

JCR publications to the programme physics of hadrons and nuclei published in 2013

- [1] E. Abbas, B. Abelev, J. Adam, , et al. Performance of the ALICE VZERO system. *Journal of Instrumentation*, 8(10):P10016 – P10016, 2013. doi: 10.1088/1748-0221/8/10/P10016.
- [2] E. Abbas, B. Abelev, J. Adam, , et al. Charmonium and e^+e^- pair photoproduction at mid-rapidity in ultra-peripheral Pb–Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. *The European physical journal / C*, 73(11): 2617, 2013. doi: 10.1140/epjc/s10052-013-2617-1.
- [3] E. Abbas, B. Abelev, J. Adam, , et al. J/ψ elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. *Physical review letters*, 111(16):162301, 2013. doi: 10.1103/PhysRevLett.111.162301.
- [4] E. Abbas, B. Abelev, J. Adam, et al. Mid-rapidity anti-baryon to baryon ratios in pp collisions at $\sqrt{s} = 0.9, 2.76$ and 7 TeV measured by ALICE. *The European physical journal / C*, 73(7):2496, 2013. doi: 10.1140/epjc/s10052-013-2496-5.
- [5] B. Abelev, J. Adam, D. Adamová, , et al. D meson elliptic flow in non-central Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. *Physical review letters*, 111(10):102301, 2013. doi: 10.1103/PhysRevLett.111.102301.
- [6] B. Abelev, J. Adam, D. Adamová, , et al. Multiplicity dependence of two-particle azimuthal correlations in pp collisions at the LHC. *Journal of high energy physics*, 2013(9):49, 2013. doi: 10.1007/JHEP09(2013)049.
- [7] B. Abelev, J. Adam, D. Adamová, , et al. Centrality dependence of π , K, and p production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. *Physical review / C*, 88(4):044910, 2013. doi: 10.1103/PhysRevC.88.044910.
- [8] B. Abelev, J. Adam, D. Adamová, , et al. Centrality determination of Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with ALICE. *Physical review / C*, 88(4):044909, 2013. doi: 10.1103/PhysRevC.88.044909.
- [9] B. Abelev, J. Adam, D. Adamová, , et al. K_s^0 and λ production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. *Physical review letters*, 111(22):222301, 2013. doi: 10.1103/PhysRevLett.111.222301.
- [10] B. Abelev, J. Adam, D. Adamová, , et al. Energy dependence of the transverse momentum distributions of charged particles in pp collisions measured by ALICE. *The European physical journal / C*, 73(12): 2662, 2013. doi: 10.1140/epjc/s10052-013-2662-9.
- [11] B. Abelev, J. Adam, D. Adamová, , et al. Directed flow of charged particles at midrapidity relative to the spectator plane in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. *Physical review letters*, 111(23):232302, 2013. doi: 10.1103/PhysRevLett.111.232302.
- [12] B. Abelev, J. Adam, D. Adamová, et al. Charge separation relative to the reaction plane in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. *Physical review letters*, 110(1):012301, 2013. doi: 10.1103/PhysRevLett.110.012301.
- [13] B. Abelev, J. Adam, D. Adamová, et al. Pseudorapidity Density of Charged Particles in p+Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV. *Physical review letters*, 110(3):032301, 2013. doi: 10.1103/PhysRevLett.110.032301.

- [14] B. Abelev, J. Adam, D. Adamová, et al. Anisotropic flow of charged hadrons, pions and (anti-)protons measured at high transverse momentum in Pb–Pb collisions at $\sqrt{s} = 2.76\text{TeV}$. *Physics letters / B*, 719(1-3):18 – 28, 2013. doi: 10.1016/j.physletb.2012.12.066.
- [15] B. Abelev, J. Adam, D. Adamová, et al. Transverse Momentum Distribution and Nuclear Modification Factor of Charged Particles in p–Pb collisions at $\sqrt{s_{NN}} = 5.02\text{TeV}$. *Physical review letters*, 110(8):082302, 2013. doi: 10.1103/PhysRevLett.110.082302.
- [16] B. Abelev, J. Adam, D. Adamová, et al. Centrality dependence of charged particle production at large transverse momentum in Pb–Pb collisions at $\sqrt{s_{NN}} = 2.76\text{ TeV}$. *Physics letters / B*, 720(1-3):52 – 62, 2013. doi: 10.1016/j.physletb.2013.01.051.
- [17] B. Abelev, J. Adam, D. Adamová, et al. Charged kaon femtoscopic correlations in pp collisions at $\sqrt{s} = 7\text{TeV}$. *Physical review / D*, 87(5):052016, 2013. doi: 10.1103/PhysRevD.87.052016.
- [18] B. Abelev, J. Adam, D. Adamová, et al. Measurement of electrons from beauty hadron decays in pp collisions at $\sqrt{s} = 7\text{ TeV}$. *Physics letters / B*, 721(1-3):13 – 23, 2013. doi: 10.1016/j.physletb.2013.01.069.
- [19] B. Abelev, J. Adam, D. Adamová, et al. Net-Charge Fluctuations in Pb–Pb Collisions at $\sqrt{s_{NN}} = 2.76\text{ TeV}$. *Physical review letters*, 110(15):152301, 2013. doi: 10.1103/PhysRevLett.110.152301.
- [20] B. Abelev, J. Adam, D. Adamová, et al. Measurement of inelastic, single- and double-diffraction cross sections in proton–proton collisions at the LHC with ALICE. *The European physical journal / C*, 73(6):2456, 2013. doi: 10.1140/epjc/s10052-013-2456-0.
- [21] B. Abelev, J. Adam, D. Adamova, , et al. Centrality dependence of the pseudorapidity density distribution for charged particles in Pb–Pb collisions at $\sqrt{s_{NN}} = 2.76\text{ TeV}$. *Physics letters / B*, 726(4-5):610 – 622, 2013. doi: 10.1016/j.physletb.2013.09.022.
- [22] B. Abelev, J. Adam, D. Adamova, , et al. Charge correlations using the balance function in Pb–Pb collisions at $\sqrt{s_{NN}} = 2.76\text{ TeV}$. *Physics letters / B*, 723(4-5):267 – 279, 2013. doi: 10.1016/j.physletb.2013.05.039.
- [23] B. Abelev, J. Adam, D. Adamova, , et al. Measurement of the inclusive differential jet cross section in pp collisions at $\sqrt{s} = 2.76\text{ TeV}$. *Physics letters / B*, 722(4-5):262 – 272, 2013. doi: 10.1016/j.physletb.2013.04.026.
- [24] B. Abelev, J. Adam, D. Adamova, , et al. Long-range angular correlations of π , K and p in p–Pb collisions at $\sqrt{s_{NN}} = 5.02\text{TeV}$. *Physics letters / B*, 726(1-3):164 – 177, 2013. doi: 10.1016/j.physletb.2013.08.024.
- [25] B. Abelev, J. Adam, D. Adamova, et al. Long-range angular correlations on the near and away side in p–Pb collisions at $\sqrt{s_{NN}} = 5.02\text{TeV}$. *Physics letters / B*, 719(1-3):29 – 41, 2013. doi: 10.1016/j.physletb.2013.01.012.
- [26] M. Ablikim, M. N. Achasov, X. C. Ai, et al. Observation of a Charged Charmoniumlike Structure in $e^+e^- \rightarrow \pi^+\pi^-J/\psi$ at $\sqrt{s} = 4.26\text{ GeV}$. *Physical review letters*, 110(25):252001, 2013. doi: 10.1103/PhysRevLett.110.252001.
- [27] M. Ablikim, M. N. Achasov, O. Albayrak, et al. Search for η and $\eta' \rightarrow \pi^+e^-\bar{\nu}_e + \text{c.c.}$ decays in $J/\psi \rightarrow \phi\eta$ and $\phi\eta'$. *Physical review / D*, 87(3):032006, 2013. doi: 10.1103/PhysRevD.87.032006.
- [28] M. Ablikim, M. N. Achasov, O. Albayrak, et al. Measurements of baryon pair decays of $\chi_{c,J}$ mesons. *Physical review / D*, 87(3):032007, 2013. doi: 10.1103/PhysRevD.87.032007.

- [29] M. Ablikim, M. N. Achasov, O. Albayrak, et al. Evidence for $\eta_c(2S)$ in $\psi(3686) \rightarrow \gamma K_S^0 K^\pm \pi^\mp \pi^+ \pi^-$. *Physical review / D*, 87(5):052005, 2013. doi: 10.1103/PhysRevD.87.052005.
- [30] M. Ablikim, M. N. Achasov, O. Albayrak, et al. Study of the near-threshold $\omega\phi$ mass enhancement in doubly OZI-suppressed $J/\psi \rightarrow \gamma\omega\phi$ decays. *Physical review / D*, 87(3):032008, 2013. doi: 10.1103/PhysRevD.87.032008.
- [31] M. Ablikim, M. N. Achasov, O. Albayrak, et al. Search for η and η' invisible decays in $J/\psi \rightarrow \phi\eta$ and $\phi\eta'$. *Physical review / D*, 87(1):012009, 2013. doi: 10.1103/PhysRevD.87.012009.
- [32] M. Ablikim, M. N. Achasov, O. Albayrak, et al. Measurements of $\psi' \rightarrow \bar{p}K^+\Sigma^0$ and $\chi_{cJ} \rightarrow \bar{p}K^+\Lambda$. *Physical review / D*, 87(1):012007, 2013. doi: 10.1103/PhysRevD.87.012007.
- [33] M. Ablikim, M. N. Achasov, O. Albayrak, et al. Observation of η_c decay into $\Sigma^+\bar{\Sigma}^-$ and $\Xi^-\bar{\Xi}^+$ final states. *Physical review / D*, 87(1):012003, 2013. doi: 10.1103/PhysRevD.87.012003.
- [34] M. Ablikim, M. N. Achasov, O. Albayrak, et al. Partial wave analysis of $J/\psi \rightarrow \gamma\eta\eta$. *Physical review / D*, 87(9):092009, 2013. doi: 10.1103/PhysRevD.87.092009.
- [35] M. Ablikim, M. N. Achasov, O. Albayrak, et al. Precision measurements of $B[\psi(3686) \rightarrow \pi^+\pi^-J/\psi]$ and $B[J/\psi \rightarrow l^+l^-]$. *Physical review / D*, 88(3):032007, 2013. doi: 10.1103/PhysRevD.88.032007.
- [36] M. Ablikim, M. N. Achasov, O. Albayrak, et al. Measurement of $\eta' \rightarrow \pi^+\pi^-e^+e^-$ and $\eta' \rightarrow \pi^+\pi^-\mu^+\mu^-$. *Physical review / D*, 87(9):092011, 2013. doi: 10.1103/PhysRevD.87.092011.
- [37] M. Ablikim, M. N. Achasov, O. Albayrak, et al. Search for baryonic decays of $\psi(3770)$ and $\psi(4040)$. *Physical review / D*, 87(11):112011, 2013. doi: 10.1103/PhysRevD.87.112011.
- [38] M. Ablikim, M. N. Achasov, O. Albayrak, et al. Partial wave analysis of $\psi(2S) \rightarrow p\bar{p}\eta$. *Physical review / D*, 88(3):032010, 2013. doi: 10.1103/PhysRevD.88.032010.
- [39] M. Ablikim, M. N. Achasov, O. Albayrak, et al. Study of $\psi(3686) \rightarrow \omega K\bar{K}\pi$ decays. *Physical review / D*, 87(9):092006, 2013. doi: 10.1103/PhysRevD.87.092006.
- [40] M. Ablikim, M. N. Achasov, O. Albayrak, et al. Study of $J/\psi \rightarrow \omega p\bar{p}$ at BESIII. *Physical review / D*, 87(11):112004, 2013. doi: 10.1103/PhysRevD.87.112004.
- [41] M. Ablikim, M. N. Achasov, O. Albayrak, et al. Search for the lepton flavor violation process $J/\psi \rightarrow e\mu$ at BESIII. *Physical review / D*, 87(11):112007, 2013. doi: 10.1103/PhysRevD.87.112007.
- [42] M. Ablikim, M. N. Achasov, O. Albayrak, et al. Observation of a structure at 1.84 GeV/c² in the $3(\pi^+\pi^-)$ mass spectrum in $J/\psi \rightarrow \gamma 3(\pi^+\pi^-)$ decays. *Physical review / D*, 88(9):091502, 2013. doi: 10.1103/PhysRevD.88.091502.
- [43] M. Ablikim, M. N. Achasov, D. J. Ambrose, et al. Evidence for $\eta_c \rightarrow \gamma\gamma$ and measurement of $J/\psi \rightarrow 3\gamma$. *Physical review / D*, 87(3):032003, 2013. doi: 10.1103/PhysRevD.87.032003.
- [44] M. Ablikim, M. N. Achasov, D. J. Ambrose, et al. Observation of Two New N^* Resonances in the Decay $\psi(3686) \rightarrow p\bar{p}\pi^0$. *Physical review letters*, 110(2):022001, 2013. doi: 10.1103/PhysRevLett.110.022001.
- [45] M. Ablikim, M. N. Achasov, D. J. Ambrose, et al. Search for hadronic transition $\chi_{cJ} \rightarrow \eta_c\pi^+\pi^-$ and observation of $\chi_{cJ} \rightarrow K\bar{K}\pi\pi$. *Physical review / D*, 87(1):012002, 2013. doi: 10.1103/PhysRevD.87.012002.

- [46] M. Ablikim, M. N. Achasov, and O. Albayrak and. Measurements of the branching fractions for J/ψ and $\psi' \rightarrow \Lambda^0$ and Λ . *Physical review / D*, 87(5):052007, 2013. doi: 10.1103/PhysRevD.87.052007.
- [47] A. Abuhoza*, H. R. Schmidt, S. Biswas*, U. Frankenfeld*, J. Hehner*, and C. J. Schmidt*. Setup optimization toward accurate ageing studies of gas filled detectors. *Nuclear instruments & methods in physics research / A*, 718:400 – 402, 2013. doi: 10.1016/j.nima.2012.08.045.
- [48] P. Achenbach, M. Gómez Rodríguez, K. Tsukada, C. Ayerbe Gayoso, R. Böhm, O. Borodina*, D. Bosnar, V. Bozkurt*, P. Bydžovský, L. Debenjak, M. O. Distler, A. Esser, I. Frišćić, Y. Fujii, T. Gogami, O. Hashimoto, S. Hirose, H. Kanda, M. Kaneta, E. Kim*, A. Margaryan, H. Merkel, U. Müller, S. Nagao, S. N. Nakamura, J. Pochodzalla, C. Rappold, J. Reinhold, T. Saito*, A. Sanchez Lorente, S. Sánchez Majos, B. S. Schlimme, M. Schoth, F. Schulz, C. Sfienti, S. Širca, L. Tang, and M. Thiel. Overview of the electromagnetic production of strange mesons at MAMI. *Nuclear physics / A*, 914:41 – 50, 2013. doi: 10.1016/j.nuclphysa.2013.01.019.
- [49] L. Acosta, F. Amorini, R. Bassini, C. Boiano, G. Cardella, E. De Filippo, L. Grassi, C. Guazzoni, P. Guazzoni, M. Kiš, E. La Guidara, Y. Leifels*, I. Lombardo, T. Minniti, A. Pagano, M. Papa, S. Pirrone, G. Politi, F. Porto, F. Riccio, F. Rizzo, P. Russotto, S. Santoro, W. Trautmann*, A. Trifirò, G. Verde, P. Zambon, and L. Zetta. Probing the Merits of Different Event Parameters for the Identification of Light Charged Particles in CHIMERA CsI(Tl) Detectors With Digital Pulse Shape Analysis. *IEEE transactions on nuclear science*, 60(1):284 – 292, 2013. doi: 10.1109/TNS.2013.2237789.
- [50] C. Adolph, M. Alekseev, V. Alexakhin, et al. Leading and next-to-leading order gluon polarization in the nucleon and longitudinal double spin asymmetries from open charm muoproduction. *Physical review / D*, 87(5):052018, 2013. doi: 10.1103/PhysRevD.87.052018.
- [51] C. Adolph, M. G. Alekseev, V. Y. Alexakhin, et al. Measurement of the cross section for high- p_T hadron production in the scattering of 160-GeV/c muons off nucleons. *Physical review / D*, 88(9):091101, 2013. doi: 10.1103/PhysRevD.88.091101.
- [52] C. Adolph, M. G. Alekseev, V. Y. Alexakhin, et al. Study of $\Sigma(1385)$ and $\Xi(1321)$ hyperon and antihyperon production in deep inelastic muon scattering. *The European physical journal / C*, 73(10):2581, 2013. doi: 10.1140/epjc/s10052-013-2581-9.
- [53] C. Adolph, M. G. Alekseev, V. Y. Alexakhin, et al. Hadron transverse momentum distributions in muon deep inelastic scattering at 160 GeV/c. *The European physical journal / C*, 73(8):2531, 2013. doi: 10.1140/epjc/s10052-013-2531-6.
- [54] C. Adolph, M. G. Alekseev, V. Yu. Alexakhin, et al. Leading order determination of the gluon polarisation from DIS events with high- hadron pairs. *Physics letters / B*, 718(3):922 – 930, 2013. doi: 10.1016/j.physletb.2012.11.056.
- [55] G. Agakishiev, A. Balanda, R. Bassini, D. Belver, A. V. Belyaev, A. Blanco, M. Böhmer, J. L. Boyard, P. Cabanelas, E. Castro, S. Chernenko, T. Christ, M. Destefanis, J. Díaz, F. Dohrmann, A. Dybczak, T. Eberl, E. Epple, L. Fabbietti, O. V. Fateev, P. Finocchiaro, P. Fonte, J. Friese, I. Fröhlich, T. Galatyuk, J. A. Garzón, R. Gernhäuser, A. Gil, C. Gilardi, M. Golubeva, D. González-Díaz, F. Guber, M. Gumberidze, M. Heilmann, T. Heinz*, T. Hennino, R. Holzmann*, P. Huck, I. Iori, A. Ivashkin, M. Jurkovic, B. Kämpfer, K. Kanaki, T. Karavicheva, D. Kirschner, I. Koenig*, W. Koenig*, B. Kolb*, R. Kotte, F. Krizek, R. Krücken, W. Kühn, A. Kugler, A. Kurepin, S. Lang*, J. S. Lange, K. Lapidus, T. Liu, L. Lopes, M. Lorenz, L. Maier, A. Mangiarotti, J. Markert, V. Metag, B. Michalska, J. Michel, D. Mishra, E. Morinière, J. Mousa, C. Müntz, L. Naumann, J. Otwinowski*, Y. C. Pachmayer, M. Palka, Y. Parpottas, V. Pechenov*, O. Pechenova, T. Pérez Cavalcanti, J. Pietraszko*, W. Przygoda, B. Ramstein, A. Reshetin, M. Roy-Stephan, A. Rustamov, A. Sadovsky, B. Sailer, P. Salabura, A. Schmah,

- E. Schwab*, J. Siebenson, Y. G. Sobolev, S. Spataro, B. Spruck, H. Ströbele, J. Stroth*, C. Sturm*, A. Tarantola, K. Teilab, P. Tlusty, M. Traxler*, R. Trebacz, H. Tsertos, V. Wagner, M. Weber, C. Wendisch, M. Wisniowski, T. Wojcik, J. Wüstenfeld, S. Yurevich, Y. V. Zanevsky, and P. Zumbruch*. Deep sub-threshold $K^*(892)^0$ production in collisions of Ar + KCl at 1.76 A GeV. *The European physical journal / A*, 49(3):34, 2013. doi: 10.1140/epja/i2013-13034-7.
- [56] G. Agakishiev, A. Balanda, D. Belver, A. Belyaev, J. C. Berger-Chen, A. Blanco, M. Böhmer, J. L. Boyard, P. Cabanelas, E. Castro, S. Chernenko, T. Christ, M. Destefanis, F. Dohrmann, A. Dybczak, E. Epple, L. Fabbietti, O. Fateev, P. Finocchiaro, P. Fonte, J. Friese, I. Fröhlich, T. Galatyuk*, J. A. Garzón, R. Gernhäuser, C. Gilardi, M. Golubeva, D. González-Díaz, F. Guber, M. Gumberidze, T. Heinz*, T. Hennino, R. Holzmann*, A. Ierusalimov, I. Iori, A. Ivashkin, M. Jurkovic, B. Kämpfer, K. Kanaiki, T. Karavicheva, I. Koenig*, W. Koenig*, B. W. Kolb*, R. Kotte, A. Krása, F. Krizek, R. Krücken, H. Kuc, W. Kühn, A. Kugler, A. Kurepin, R. Lalik, S. Lang, J. S. Lange, K. Lapidus, T. Liu, L. Lopes, M. Lorenz, L. Maier, A. Mangiarotti, J. Markert, V. Metag, B. Michalska, J. Michel, E. Morinière, J. Mousa, C. Müntz, R. Münzer, L. Naumann, J. Otwinowski, Y. C. Pachmayer, M. Palka, Y. Parpottas, V. Pechenov*, O. Pechenova, J. Pietraszko, W. Przygoda, B. Ramstein, A. Reshetin, A. Rustamov, A. Sadovsky, P. Salabura, A. Schmäh, E. Schwab*, J. Siebenson, Y. G. Sobolev, S. Spataro, B. Spruck, H. Ströbele, J. Stroth*, C. Sturm*, A. Tarantola, K. Teilab, P. Tlusty, M. Traxler*, R. Trebacz, H. Tsertos, V. Wagner, M. Weber, C. Wendisch, J. Wüstenfeld, S. Yurevich*, and Y. Zanevsky. Baryonic resonances close to the $\bar{K}N$ threshold: The case of $\Lambda(1405)$ in pp collisions. *Physical review / C*, 87(2):025201, 2013. doi: 10.1103/PhysRevC.87.025201.
- [57] G. Agakishiev, A. Balanda, D. Belver, A. Belyaev, J. C. Berger-Chen, A. Blanco, M. Böhmer, J. L. Boyard, P. Cabanelas, S. Chernenko, A. Dybczak, E. Epple, L. Fabbietti, O. Fateev, P. Finocchiaro, P. Fonte, J. Friese, I. Fröhlich, T. Galatyuk*, J. A. Garzón, R. Gernhäuser, K. Göbel*, M. Golubeva, D. González-Díaz, F. Guber, M. Gumberidze*, T. Heinz, T. Hennino, R. Holzmann, A. Ierusalimov, I. Iori, A. Ivashkin, M. Jurkovic, B. Kämpfer, T. Karavicheva, I. Koenig*, W. Koenig*, B. W. Kolb, G. Kornakov, R. Kotte, A. Krása, F. Krizek, R. Krücken, H. Kuc, W. Kühn, A. Kugler, A. Kurepin, V. Ladygin, R. Lalik, S. Lang*, K. Lapidus, A. Lebedev, T. Liu, L. Lopes, M. Lorenz*, L. Maier, A. Mangiarotti, J. Markert*, V. Metag, B. Michalska, J. Michel*, C. Müntz, L. Naumann, Y. C. Pachmayer, M. Palka, Y. Parpottas, V. Pechenov*, O. Pechenova, J. Pietraszko*, W. Przygoda, B. Ramstein, A. Reshetin, A. Rustamov, A. Sadovsky, P. Salabura, A. Schmäh, E. Schwab, J. Siebenson, Y. G. Sobolev, S. Spataro, B. Spruck, H. Ströbele, J. Stroth*, C. Sturm*, A. Tarantola, K. Teilab*, P. Tlusty, M. Traxler*, R. Trebacz, H. Tsertos, T. Vasiliev, V. Wagner, M. Weber, C. Wendisch, J. Wüstenfeld, S. Yurevich, and Y. Zanevsky. Inclusive pion and η production in p+Nb collisions at 3.5 GeV beam energy. *Physical review / C*, 88(2):024904, 2013. doi: 10.1103/PhysRevC.88.024904.
- [58] G. Agakishiev, D. Belver, A. Blanco, M. Böhmer, J. L. Boyard, P. Cabanelas, E. Castro, S. Chernenko, M. Destefanis, F. Dohrmann, A. Dybczak, E. Epple, L. Fabbietti, O. Fateev, P. Finocchiaro, P. Fonte, J. Friese, I. Fröhlich, T. Galatyuk*, J. A. Garzón, R. Gernhäuser, C. Gilardi, M. Golubeva, D. González-Díaz, F. Guber, M. Gumberidze*, T. Heinz*, T. Hennino, R. Holzmann*, I. Iori, A. Ivashkin, M. Jurkovic, B. Kämpfer, T. Karavicheva, I. Koenig*, W. Koenig*, B. Kolb*, R. Kotte, A. Krása, F. Krizek, R. Krücken, H. Kuc, W. Kühn, A. Kugler, A. Kurepin, S. Lang*, J. S. Lange, K. Lapidus, T. Liu, L. Lopes, M. Lorenz*, L. Maier, A. Mangiarotti, J. Markert*, V. Metag, B. Michalska, J. Michel*, E. Morinière, J. Mousa, C. Müntz*, L. Naumann, Y. C. Pachmayer, M. Palka, V. Pechenov*, O. Pechenova, J. Pietraszko*, W. Przygoda, B. Ramstein, L. Rehnisch, A. Reshetin, A. Rustamov*, A. Sadovsky, P. Salabura, T. Scheib, A. Schmäh, H. Schuldes, E. Schwab*, J. Siebenson, Y. G. Sobolev, S. Spataro, B. Spruck, H. Ströbele, J. Stroth*, C. Sturm*, A. Tarantola, K. Teilab*, P. Tlusty, M. Traxler*, R. Trebacz, H. Tsertos, V. Wagner, M. Weber, M. Wisniowski, C. Wendisch, J. Wüstenfeld, S. Yurevich, and Y. Zanevsky. An upper limit on hypertriton production in collisions of Ar(1.76 A GeV) + KCl. *The European physical journal / A*, 49(11):146, 2013. doi: 10.1140/epja/i2013-13146-0.

- [59] M. M. Aggarwal, Z. Ahammed, A. L. S. Angelis, V. Antonenko, V. Arefiev, V. Astakhov, V. Avdeitchikov, T. C. Awes, P. V. K. S. Baba, S. K. Badyal, S. Bathe, B. Batiounia, C. Baumann, T. Bernier, K. B. Bhalla, V. S. Bhatia, C. Blume, D. Bucher, H. Büsching, L. Carlén, S. Chattopadhyay, M. P. Decowski, H. Delagrange, P. Donni, M. R. Dutta Majumdar, K. El Chenawi, A. K. Dubey, K. Enosawa, S. Fokin, V. Frolov, M. S. Ganti, S. Garpman, O. Gavrishchuk, F. J. M. Geurts, T. K. Ghosh, R. Glasow, B. Guskov, H. Å. Gustafsson, H. H. Gutbrod, I. Hrivnacova, M. Ippolitov, H. Kalechofsky, R. Kamermans, K. Karadjev, K. Karpio, B. Kolb*, I. Kosarev, I. Koutcheryaev, A. Kugler, P. Kulnich, M. Kurata, A. Lebedev, H. Löhner, L. Luquin, D. P. Mahapatra, V. Manko, M. Martin, G. Martínez, A. Maximov, Y. Miake, G. C. Mishra, B. Mohanty, M.-J. Mora, D. Morrison, T. Mukhanova, D. S. Mukhopadhyay, H. Naef, B. K. Nandi, S. K. Nayak, T. K. Nayak, A. Nianine, V. Nikitine, S. Nikolaev, P. Nilsson, S. Nishimura, P. Nomokonov, J. Nystrand, A. Oskarsson, I. Otterlund, S. Pavliouk, T. Peitzmann, D. Peressounko, V. Petracek, S. C. Phatak, W. Pinganaud, F. Plasil, M. L. Purschke, J. Rak, M. Rammler, R. Raniwala, S. Raniwala, N. K. Rao, F. Retiere, K. Reygers, G. Roland, L. Rosselet, I. Roufanov, C. Roy, J. M. Rubio, S. S. Sambyal, R. Santo, S. Sato, H. Schlagheck, H. R. Schmidt*, Y. Schutz, G. Shabratova, T. H. Shah, I. Sibiriak, T. Siemiarczuk, D. Silvermyr, B. C. Sinha, N. Slavine, K. Söderström, G. Sood, S. P. Sørensen, P. Stankus, G. Stefanek, P. Steinberg, E. Stenlund, M. Sumbera, T. Svensson, A. Tsvetkov, L. Tykarski, E. C. v. d. Pijll, N. v. Eijndhoven, G. J. v. Nieuwenhuizen, A. Vinogradov, Y. P. Viyogi, A. Vodopianov, S. Vörös, B. Wyslouch, and G. R. Young. Photon and η production in p+Pb and p+C collisions at $\sqrt{s_{NN}} = 17.4\text{GeV}$. *Nuclear physics / A*, 898:14 – 23, 2013. doi: 10.1016/j.nuclphysa.2012.11.010.
- [60] Y. Aksyutina*, T. Aumann*, K. Boretzky*, M. Borge, C. Caesar*, A. Chatillon*, L. Chulkov*, D. Cortina-Gil, U. Datta Pramanik, H. Emling*, H. Fynbo, H. Geissel*, A. Heinz, G. Ickert*, H. Johansson*, B. Jonson, R. Kulesa, C. Langer*, T. LeBleis*, K. Mahata*, G. Münzenberg*, T. Nilsson, G. Nyman, R. Palit, S. Paschalis, W. Prokopowicz*, R. Reifarth*, D. Rossi*, A. Richter, K. Riisager, G. Schrieder, H. Simon*, K. Sümmerer*, O. Tengblad, R. Thies, H. Weick*, and M. Zhukov. Study of the ^{14}Be Continuum: Identification and Structure of its Second 2^+ State. *Physical review letters*, 111(24):242501, 2013. doi: 10.1103/PhysRevLett.111.242501.
- [61] Y. Aksyutina*, T. Aumann, K. Boretzky*, M. J. G. Borge, C. Caesar*, A. Chatillon*, L. Chulkov*, D. Cortina-Gil*, U. Datta Pramanik, H. Emling*, H. O. U. Fynbo, H. Geissel*, G. Ickert*, H. T. Johansson, B. Jonson, R. Kulesa, C. Langer*, T. LeBleis*, K. Mahata*, G. Münzenberg*, T. Nilsson, G. Nyman, R. Palit, S. Paschalis, W. Prokopowicz*, R. Reifarth*, D. Rossi*, A. Richter, K. Riisager, G. Schrieder, H. Simon*, K. Sümmerer*, O. Tengblad, H. Weick*, and M. V. Zhukov. Momentum profile analysis in one-neutron knockout from Borromean nuclei. *Physics letters / B*, 718(4-5):1309 – 1313, 2013. doi: 10.1016/j.physletb.2012.12.028.
- [62] Y. Aksyutina, T. Aumann*, K. Boretzky*, M. J. G. Borge, C. Caesar*, A. Chatillon, L. V. Chulkov, D. Cortina-Gil, U. Datta Pramanik, H. Emling*, H. O. U. Fynbo, H. Geissel*, G. Ickert*, H. T. Johansson, B. Jonson, R. Kulesa, C. Langer*, T. LeBleis, K. Mahata, G. Münzenberg*, T. Nilsson, G. Nyman, R. Palit, S. Paschalis, W. Prokopowicz*, R. Reifarth*, D. Rossi*, A. Richter, K. Riisager, G. Schrieder, H. Simon*, K. Sümmerer*, O. Tengblad, H. Weick*, and M. V. Zhukov. Structure of the unbound nucleus ^{13}Be : One-neutron knockout reaction data from ^{14}Be analyzed in a holistic approach. *Physical review / C*, 87(6):064316, 2013. doi: 10.1103/PhysRevC.87.064316.
- [63] ALICE. Multiplicity dependence of the average transverse momentum in pp, p–Pb, and Pb–Pb collisions at the LHC. *Physics letters / B*, 727(4-5):371 – 380, 2013. doi: 10.1016/j.physletb.2013.10.054.
- [64] J. Alme, D. Fehlker, C. Lippmann*, M. Mager, A. U. Rehman, K. Røed, D. Röhrich, and K. Ullaland. Radiation tolerance studies using fault injection on the Readout Control FPGA design of the ALICE TPC detector. *Journal of Instrumentation*, 8(01):C01053 – C01053, 2013. doi: 10.1088/1748-0221/8/01/C01053.

- [65] F. Amjad*, H. Weick*, J. Mattila, L. Orona, E. Kozlova*, M. Winkler*, K.-H. Behr*, and C. Karagiannis*. Survey on Remote Handling Logistics for Super-FRS. *International journal of advanced robotic systems*, 10:348, 2013. doi: 10.5772/56848.
- [66] A. N. Andreyev, S. Antalic, D. Ackermann*, L. Bianco, S. Franchoo, S. Heinz*, F.-P. Hessberger*, S. Hofmann*, M. Huyse, Z. Kalaninová, I. Kojouharov*, B. Kindler*, B. Lommel*, R. Mann*, K. Nishio, R. D. Page, J. J. Ressler, B. Streicher, S. Saro, B. Sulignano*, and P. Van Duppen. β -delayed fission of $^{192,194}\text{At}$. *Physical review / C*, 87(1):014317, 2013. doi: 10.1103/PhysRevC.87.014317.
- [67] A. N. Andreyev, M. Huyse, P. Van Duppen, C. Qi, R. J. Liotta, S. Antalic, D. Ackermann*, S. Franchoo, F. Heßberger*, S. Hofmann*, I. Kojouharov*, B. Kindler*, P. Kuusiniemi, S. R. Leshner, B. Lommel*, R. Mann*, K. Nishio, R. D. Page, B. Streicher, Š. Šáro, B. Sulignano*, D. Wiseman, and R. A. Wyss. Signatures of the $Z=82$ Shell Closure in α -Decay Process. *Physical review letters*, 110(24):242502, 2013. doi: 10.1103/PhysRevLett.110.242502.
- [68] A. N. Andreyev, V. Liberati, S. Antalic, D. Ackermann*, A. Barzakh, N. Bree, T. E. Cocolios, J. Diriken, J. Elseviers, D. Fedorov, V. N. Fedosseev, D. Fink, S. Franchoo, S. Heinz*, F.-P. Hessberger*, S. Hofmann*, M. Huyse, O. Ivanov, J. Khuyagbaatar*, B. Kindler*, U. Köster, J. F. W. Lane, B. Lommel*, R. Mann*, B. Marsh, P. Molkanov, K. Nishio, R. D. Page, N. Patronis, D. Pauwels, D. Radulov, Š. Šáro, M. Seliverstov, M. Sjödin, I. Tsekhanovich, P. Van den Bergh, P. Van Duppen, M. Venhart, and M. Veselský. α -decay spectroscopy of the chain $^{179}\text{Tl}^g \rightarrow ^{175}\text{Au}^g \rightarrow ^{171}\text{Ir}^g \rightarrow ^{167}\text{Re}^m$. *Physical review / C*, 87(5):054311, 2013. doi: 10.1103/PhysRevC.87.054311.
- [69] A. Andronic*, P. Braun-Munzinger*, K. Redlich, and J. Stachel. The statistical model in Pb–Pb collisions at the LHC. volume 904-905, pages 535c – 538c. Quark Matter 2012, Washington D.C.(USA), North-Holland Publ. Co., 08/13/2012 - 08/18/2012 2013. doi: 10.1016/j.nuclphysa.2013.02.070.
- [70] S. Antalic, F. Heßberger*, D. Ackermann*, M. Block*, S. Heinz*, S. Hofmann*, Z. Kalaninová, B. Kindler*, M. Leino, B. Lommel*, R. Mann*, K. Nishio, Š. Šáro, and B. Sulignano*. Nuclear Structure of Heavy $N=153$ Isotones. *Acta physica Polonica / B*, 44(3):387, 2013. doi: 10.5506/APhysPolB.44.387.
- [71] T. Anticic, B. Baatar, D. Barna, J. Bartke, H. Beck, L. Betev, H. Białkowska, C. Blume, M. Bogusz, B. Boimska, J. Book, M. Botje, P. Bunčić, T. Cetner, P. Christakoglou, P. Chung, O. Chválá, J. G. Cramer, V. Eckardt, Z. Fodor, P. Foka*, V. Friese*, M. Gaździcki, K. Grebieszkow, C. Höhne*, K. Kadija, A. Karev, V. I. Kolesnikov, T. Kollegger, M. Kowalski, D. Kresan*, A. László, R. Lacey, M. van Leeuwen, M. Maćkowiak-Pawłowska, M. Makariev*, A. I. Malakhov, M. Mateeov, G. L. Melkumov, M. Mitrovski, S. Mrówczyński, V. Nolic, G. Pála, A. D. Panagiotou, W. Peryt, J. Pluta, D. Prindle, F. Pühlhofer, R. Renfordt, C. Roland, G. Roland, M. Rybczyński, A. Rybicki, A. Sandoval*, N. Schmitz, T. Schuster, P. Seyboth, F. Siklér, E. Skrzypczak, M. Słodkowski, G. Stefanek, R. Stock, H. Ströbele, T. Susa, M. Szuba, M. Utvić, D. Varga, M. Vassiliou, G. I. Veres, G. Vesztergombi, D. Vranić*, Z. Włodarczyk, and A. Wojtaszek-Szwarc. System-size dependence of particle-ratio fluctuations in Pb + Pb collisions at 158A GeV. *Physical review / C*, 87(2):024902, 2013. doi: 10.1103/PhysRevC.87.024902.
- [72] A. Arcones* and F.-K. Thielemann. Neutrino-driven wind simulations and nucleosynthesis of heavy elements. *Journal of physics / G*, 40(1):013201, 2013. doi: 10.1088/0954-3899/40/1/013201.
- [73] I. C. Arsene*. J/ψ nuclear modification factor at mid-rapidity in Pb–Pb collisions at $\sqrt{s_{NN}} = 2.76\text{TeV}$. volume 904-905, pages 623c – 626c. Quark Matter 2012, Washington D.C.(USA), North-Holland Publ. Co., 08/13/2012 - 08/18/2012 2013. doi: 10.1016/j.nuclphysa.2013.02.093.
- [74] T. Aumann*, C. Bertulani, and J. Ryckebusch. Quasifree (p,2p) and (p,pn) reactions with unstable nuclei. *Physical review / C*, 88(6):064610, 2013. doi: 10.1103/PhysRevC.88.064610.

- [75] T. Aumann*, A. Zilges, and D. Savran*. Experimental studies of the Pygmy Dipole Resonance. *Progress in particle and nuclear physics*, 70:210 – 245, 2013. doi: 10.1016/j.pnpnp.2013.02.003.
- [76] R. Averbeck*. Heavy-flavor production in heavy-ion collisions and implications for the properties of hot QCD matter. *Progress in particle and nuclear physics*, 70:159 – 209, 2013. doi: 10.1016/j.pnpnp.2013.01.001.
- [77] A. M. Denis Bacelar, A. M. Bruce, Z. Podolyák, N. Al-Dahan, M. Górska*, S. Lalkovski, S. Pietri*, M. V. Ricciardi*, A. Algora, N. Alkhomashi, J. Benlliure, P. Boutachkov*, A. Bracco, E. Calore, E. Casarejos, I. J. Cullen, A. Y. Deo, P. Detistov, Z. Dombardi, C. Domingo-Pardo*, M. Doncel, F. Farinon*, G. F. Farrelly, H. Geissel*, W. Gelletly, J. Gerl*, N. Goel*, J. Grębosz*, R. Hoischen*, I. Kojouharov*, N. Kurz*, S. Leoni, F. Molina, D. Montanari, A. I. Morales, A. Musumarra, D. R. Napoli, R. Nicolini, C. Nociforo*, A. Prochazka*, W. Prokopowicz*, P. H. Regan, B. Rubio, D. Rudolph, K.-H. Schmidt*, H. Schaffner*, S. J. Steer, K. Steiger, P. Strmen, T. P. D. Swan, I. Szarka, J. J. Valiente-Dobón, S. Verma, P. M. Walker, H. Weick*, and H. J. Wollersheim*. The population of metastable states as a probe of relativistic-energy fragmentation reactions. *Physics letters / B*, 723(4-5):302 – 306, 2013. doi: 10.1016/j.physletb.2013.05.033.
- [78] J. Beller, N. Pietralla, J. Barea, M. Elvers, J. Endres, C. Fransen, J. Kotila, O. Möller, A. Richter, T. R. Rodríguez, C. Romig, D. Savran*, M. Scheck, L. Schnorrenberger, K. Sonnabend, V. Werner, A. Zilges, and M. Zweidinger. Constraint on $0\nu\beta\beta$ Matrix Elements from a Novel Decay Channel of the Scissors Mode: The Case of ^{154}Gd . *Physical review letters*, 111(17):172501, 2013. doi: 10.1103/PhysRevLett.111.172501.
- [79] J. Berges* and S. Schlichting. The nonlinear glasma. *Physical review / D*, 87(1):014026, 2013. doi: 10.1103/PhysRevD.87.014026.
- [80] C. A. Bertulani*, J. Fuqua, and M. S. Hussein. Big bang nucleosynthesis with a non-maxwellian distribution. *The astrophysical journal / 1*, 767(1):67, 2013. doi: 10.1088/0004-637X/767/1/67.
- [81] A. Best, M. Beard*, J. Görres, M. Couder, R. deBoer, S. Falahat, R. T. Güray, A. Kontos, K.-L. Kratz, P. J. LeBlanc, Q. Li, S. O’Brien, N. Özkan, M. Pignatari, K. Sonnabend, R. Talwar, W. Tan, E. Uberseder, and M. Wiescher. Measurement of the reaction $^{17}\text{O}(\alpha, n)^{20}\text{Ne}$ and its impact on the s process in massive stars. *Physical review / C*, 87(4):045805, 2013. doi: 10.1103/PhysRevC.87.045805.
- [82] A. Blanco, P. Fonte, J. A. Garzon, W. Koenig*, G. Kornakov, and L. Lopes. Performance of the HADES-TOF RPC wall in a Au + Au beam at 1.25 AGeV. *Journal of Instrumentation*, 8(01):P01004 – P01004, 2013. doi: 10.1088/1748-0221/8/01/P01004.
- [83] M. Block*. Direct mass measurements of the heaviest elements with Penning traps. *International journal of mass spectrometry*, 349-350:94 – 101, 2013. doi: 10.1016/j.ijms.2013.02.013.
- [84] I. Boettcher, S. Diehl, J. M. Pawlowski*, and C. Wetterich. Tan contact and universal high momentum behavior of the fermion propagator in the BCS-BEC crossover. *Physical review / A*, 87(2):023606, 2013. doi: 10.1103/PhysRevA.87.023606.
- [85] A. Borschevsky*, M. Iliaš, V. A. Dzuba, V. V. Flambaum, and P. Schwerdtfeger. Relativistic study of nuclear-anapole-moment effects in diatomic molecules. *Physical review / A*, 88(2):022125, 2013. doi: 10.1103/PhysRevA.88.022125.
- [86] A. Borschevsky, V. Pershina*, E. Eliav, and U. Kaldor. Ab initio predictions of atomic properties of element 120 and its lighter group-2 homologues. *Physical review / A*, 87(2):022502, 2013. doi: 10.1103/PhysRevA.87.022502.

- [87] A. Borschevsky*, V. Pershina*, E. Eliav, and U. Kaldor. Ab initio studies of atomic properties and experimental behavior of element 119 and its lighter homologs. *The journal of chemical physics*, 138 (12):124302, 2013. doi: 10.1063/1.4795433.
- [88] M. Bowry, Z. Podolyák, S. Pietri*, J. Kurcewicz*, M. Bunce, P. H. Regan, F. Farinon*, H. Geissel*, C. Nociforo*, A. Prochazka*, H. Weick*, N. Al-Dahan, N. Alkhomashi, P. R. P. Allegro, J. Benlliure, G. Benzoni, P. Boutachkov*, A. M. Bruce, A. M. Denis Bacelar, G. F. Farrelly, J. Gerl*, M. Górská*, A. Gottardo, J. Grębosz, N. Gregor, R. Janik, R. Knöbel*, I. Kojouharov*, T. Kubo, N. Kurz*, Y. A. Litvinov*, E. Merchan*, I. Mukha*, F. Naqvi, B. Pfeiffer*, M. Pfützner, W. Plaß, M. Pomorski, B. Riese*, M. V. Ricciardi*, K. Schmidt, H. Schaffner*, C. Scheidenberger*, E. C. Simpson, B. Sitar, P. Spiller*, J. Stadlmann*, P. Strmen, B. Sun*, I. Tanihata, S. Terashima, J. J. Valiente Dobón, J. S. Winfield*, H. Wollersheim*, and P. J. Woods. Population of high-spin isomeric states following fragmentation of ^{238}U . *Physical review / C*, 88(2):024611, 2013. doi: 10.1103/PhysRevC.88.024611.
- [89] E. Bratkovskaya, W. Cassing, J. Aichelin, C. Hartnack, Y. Leifels*, H. Oeschler*, and L. Tolos. In-medium effects on strangeness production. *Nuclear physics / A*, 914:387 – 391, 2013. doi: 10.1016/j.nuclphysa.2013.01.012.
- [90] J. Braun, J.-W. Chen, J. Deng, J. Drut, B. Friman*, C.-T. Ma, and Y.-D. Tsai. Imaginary Polarization as a Way to Surmount the Sign Problem in Ab Initio Calculations of Spin-Imbalanced Fermi Gases. *Physical review letters*, 110(13):130404, 2013. doi: 10.1103/PhysRevLett.110.130404.
- [91] C. Caesar*, J. Simonis, T. Adachi, Y. Aksyutina, J. Alcantara, S. Altstadt*, H. Alvarez-Pol, N. Ashwood, T. Aumann*, V. Avdeichikov, M. Barr, S. Beceiro, D. Bemmerer, J. Benlliure, C. A. Bertulani, K. Boretzky*, M. J. G. Borge, G. Burgunder, M. Caamano, E. Casarejos, W. Catford, J. Cederkäll, S. Chakraborty, M. Chartier, L. Chulkov, D. Cortina-Gil, U. Datta Pramanik, P. Diaz Fernandez, I. Dillmann*, Z. Elekes, J. Enders, O. Ershova, A. Estrade*, F. Farinon*, L. M. Fraile, M. Freer, M. Freudenberger, H. O. U. Fynbo, D. Galaviz, H. Geissel*, R. Gernhäuser, P. Golubev, D. Gonzalez Diaz, J. Hagdahl, T. Heftrich, M. Heil*, M. Heine, A. Heinz, A. Henriques, M. Holl, J. D. Holt, G. Ickert*, A. Ignatov, B. Jakobsson, H. T. Johansson, B. Jonson, N. Kalantar-Nayestanaki, R. Kanungo, A. Kelic-Heil*, R. Knöbel*, T. Kröll, R. Krücken, J. Kurcewicz*, M. Labiche, C. Langer, T. Le Bleis, R. Lemmon, O. Lepyoshkina, S. Lindberg, J. Machado, J. Marganiec, V. Maroussov, J. Menéndez, M. Mostazo, A. Movsesyan, A. Najafi, T. Nilsson, C. Nociforo*, V. Panin, A. Perea, S. Pietri*, R. Plag, A. Prochazka*, A. Rahaman, G. Rastrepina*, R. Reifarth, G. Ribeiro, M. V. Ricciardi*, C. Rigollet, K. Riisager, M. Röder, D. Rossi*, J. Sanchez del Rio, D. Savran, H. Scheit, A. Schwenk, H. Simon*, O. Sorlin, V. Stoica, B. Streicher, J. Taylor, O. Tengblad, S. Terashima*, R. Thies, Y. Togano, E. Uberseder, J. Van de Walle, P. Velho, V. Volkov, A. Wagner, F. Wamers, H. Weick*, M. Weigand, C. Wheldon, G. Wilson, C. Wimmer, J. S. Winfield*, P. Woods, D. Yakorev, M. V. Zhukov, A. Zilges, M. Zoric*, and K. Zuber. Beyond the neutron drip line: The unbound oxygen isotopes ^{25}O and ^{26}O . *Physical review / C*, 88(3):034313, 2013. doi: 10.1103/PhysRevC.88.034313.
- [92] L. V. Chulkov*, T. Aumann*, B. Jonson, T. Nilsson, and H. Simon*. Is there a low-lying 1^- state in ^{10}He ? *Physics letters / B*, 720(4-5):344 – 346, 2013. doi: 10.1016/j.physletb.2013.02.037.
- [93] V. F. Comas*, S. Heinz*, S. Hofmann, D. Ackermann*, J. A. Heredia*, F. Heßberger*, J. Khuyagbaatar*, B. Kindler*, B. Lommel*, and R. Mann*. Study of multi-nucleon transfer reactions in $^{58,64}\text{Ni} + ^{207}\text{Pb}$ collisions at the velocity filter SHIP. *The European physical journal / A*, 49(9):112, 2013. doi: 10.1140/epja/i2013-13112-x.
- [94] J. M. Cornejo, A. Lorenzo, D. Renisch, M. Block*, C. E. Düllmann*, and D. Rodríguez. Status of the project TRAPSENSOR: Performance of the laser-desorption ion source. *Nuclear instruments & methods in physics research / B*, 317:522 – 527, 2013. doi: 10.1016/j.nimb.2013.05.060.

- [95] M. D. Cozma, Y. Leifels*, W. Trautmann*, Q. Li, and P. Russotto. Toward a model-independent constraint of the high-density dependence of the symmetry energy. *Physical review / C*, 88(4):044912, 2013. doi: 10.1103/PhysRevC.88.044912.
- [96] I. Danilkin*, M. Lutz*, S. Leupold, and C. Terschläsen. Photon-fusion reactions from the chiral Lagrangian with dynamical light vector mesons. *The European physical journal / C*, 73(4):2358, 2013. doi: 10.1140/epjc/s10052-013-2358-1.
- [97] V. Derya, J. Endres, M. Elvers, M. N. Harakeh, N. Pietralla, C. Romig, D. Savran*, M. Scheck, F. Siebenhühner, V. I. Stoica, H. J. Wörtche, and A. Zilges. Study of the pygmy dipole resonance in ^{94}Mo using the (α, α, γ) coincidence technique. *Nuclear physics / A*, 906:94 – 107, 2013. doi: 10.1016/j.nuclphysa.2013.02.018.
- [98] B. Dönigus*. (Anti-)matter and hyper-matter production at the LHC with ALICE. *Nuclear physics / A*, 904-905:547c – 550c, 2013. doi: 10.1016/j.nuclphysa.2013.02.073.
- [99] C. Droese, D. Ackermann*, L. Andersson, K. Blaum, M. Block*, M. Dworschak*, M. Eibach, S. Eliseev, U. Forsberg, E. Haettner*, F. Herfurth*, F. P. Heßberger*, S. Hofmann*, J. Ketelaer, G. Marx, E. Minaya Ramirez, D. Nesterenko, Y. N. Novikov, W. R. Plaß, D. Rodríguez, D. Rudolph, C. Scheidenberger*, L. Schweikhard, S. Stolze, P. G. Thirolf, and C. Weber. High-precision mass measurements of $^{203-207}\text{Rn}$ and ^{213}Ra with SHIPTRAP. *The European physical journal / A*, 49(1):13, 2013. doi: 10.1140/epja/i2013-13013-0.
- [100] Z. Elekes, T. Aumann*, D. Bemmerer, K. Boretzky*, C. Caesar*, T. C. Cowan, J. Hehner*, M. Heil*, M. Kempe, D. Rossi*, M. Röder, H. Simon*, M. Sobiella, D. Stach, T. Reinhardt, A. Wagner, D. Yakorev, A. Zilges, and K. Zuber. Simulation and prototyping of 2m long resistive plate chambers for detection of fast neutrons and multi-neutron event identification. *Nuclear instruments & methods in physics research / A*, 701:86 – 92, 2013. doi: 10.1016/j.nima.2012.11.010.
- [101] S. Eliseev, K. Blaum, M. Block*, C. Droese, M. Goncharov, E. Minaya Ramirez*, D. Nesterenko, Y. Novikov, and L. Schweikhard. Phase-Imaging Ion-Cyclotron-Resonance Measurements for Short-Lived Nuclides. *Physical review letters*, 110(8):082501, 2013. doi: 10.1103/PhysRevLett.110.082501.
- [102] W. Erni, I. Keshelashvili, B. Krusche, et al. Technical design report for the \bar{P} ANDA (AntiProton Annihilations at Darmstadt) Straw Tube Tracker. *The European physical journal / A*, 49(2):25, 2013. doi: 10.1140/epja/i2013-13025-8.
- [103] C. Ewerz*, A. von Manteuffel, A. Schäning, and O. Nachtmann. The new measurement from HERA and the dipole model. *Physics letters / B*, 720(1-3):181 – 187, 2013. doi: 10.1016/j.physletb.2013.02.013.
- [104] L. Fabbietti, G. Agakishiev, C. Behnke, D. Belver, A. Belyaev, J. C. Berger-Chen, A. Blanco, C. Blume*, M. Böhmer, P. Cabanelas, S. Chernenko, C. Dripta, A. Dybczak, E. Epple, O. Fateev, P. Fonte, J. Friese, I. Fröhlich, T. Galatyuk, J. A. Garzón, K. Gill, M. Golubeva, D. González-Díaz, F. Guber, M. Gumberidze, S. Harabasz, T. Hennino, C. Höhne, R. Holzmann*, P. Huck, A. Ierusalimov, A. Ivashkin, M. Jurkovic, B. Kämpfer, T. Karavicheva, I. Koenig*, W. Koenig*, B. Kolb*, G. Korcyl, G. Kornakov, R. Kotte, A. Krása, E. Krebs, F. Krizek, H. Kuc, A. Kugler, A. Kurepin, A. Kurilkin, P. Kurilkin, V. Ladygin, R. Lalik, S. Lang*, K. Lapidus, A. Lebedev, L. Lopes, M. Lorenz, L. Maier, A. Mangiarotti, J. Markert, V. Metag, J. Michel, C. Müntz, R. Münzer, L. Naumann, M. Palka, Y. Parpottas, V. Pechenov*, O. Pechenova, J. Pietraszko*, W. Przygoda, B. Ramstein, L. Rehnisch, A. Reshetin, A. Rustamov, A. Sadovsky, P. Salabura, T. Scheib, H. Schuldes, J. Siebenson, Y. G. Sobolev, S. Spataro, H. Ströbele, J. Stroth*, P. Strzempke, C. Sturm*, O. Svoboda, A. Tarantola, K. Teilab, P. Tlusty, M. Traxler*, H. Tsertos, T. Vasiliev, V. Wagner, M. Weber, C. Wendisch, J. Wüstenfeld, S. Yurevich, and Y. Zanevsky. $pK^+\lambda$ final state: Towards the extraction of the ppK^- contribution. *Nuclear physics / A*, 914:60 – 68, 2013. doi: 10.1016/j.nuclphysa.2013.04.012.

- [105] P. Fabbriatore, F. Alessandria, G. Bellomo, U. Gambardella, S. Farinon, R. Marabotto, H. Müller*, R. Musenich, M. Sorbi, and G. Volpini. The Curved Fast Ramped Superconducting Dipoles for FAIR SIS300 Synchrotron: From First Model to Future Developments. *IEEE transactions on applied superconductivity*, 23(3):4000505 – 4000505, 2013. doi: 10.1109/TASC.2012.2229332.
- [106] T. Faestermann, M. Górska*, and H. Grawe*. The structure of ^{100}Sn and neighbouring nuclei. *Progress in particle and nuclear physics*, 69:85 – 130, 2013. doi: 10.1016/j.ppnp.2012.10.002.
- [107] E. I. Fiks, Y. L. Pivovarov, O. V. Bogdanov, H. Geissel*, and C. Scheidenberger*. Influence of slowing down in the radiator on the Cherenkov radiation angular distributions from relativistic heavy ions at FAIR, SPS and LHC energies. *Nuclear instruments & methods in physics research / B*, 309:146 – 150, 2013. doi: 10.1016/j.nimb.2013.01.064.
- [108] E. I. Fiks, Y. L. Pivovarov, O. V. Bogdanov, H. Geissel*, C. Scheidenberger*, and J. Ruzicka. Slowing-down of relativistic heavy ions and its influence on angular distributions of Vavilov–Cherenkov radiation. *Nuclear instruments & methods in physics research / B*, 314:51 – 54, 2013. doi: 10.1016/j.nimb.2013.05.033.
- [109] C. S. Fischer* and J. Luecker. Propagators and phase structure of and QCD. *Physics letters / B*, 718(3): 1036 – 1043, 2013. doi: 10.1016/j.physletb.2012.11.054.
- [110] E. Fischer*, H. Khodzhbagiyani, P. Schnizer*, and A. Bleile*. Status of the SC Magnets for the SIS100 Synchrotron and the NICA Project. *IEEE transactions on applied superconductivity*, 23(3):4100504 – 4100504, 2013. doi: 10.1109/TASC.2012.2232952.
- [111] M. Fisichella, A. Musumarra, F. Farinon*, C. Nociforo*, A. Del Zoppo, P. Figuera, M. La Cognata, M. G. Pellegriti, V. Scuderi, D. Torresi, and E. Strano. Determination of the half-life of ^{213}Fr with high precision. *Physical review / C*, 88(1):011303, 2013. doi: 10.1103/PhysRevC.88.011303.
- [112] L. Fister and J. M. Pawłowski*. Confinement from correlation functions. *Physical review / D*, 88(4): 045010, 2013. doi: 10.1103/PhysRevD.88.045010.
- [113] A. Francis*, B. Jäger*, H. B. Meyer*, and H. Wittig*. New representation of the Adler function for lattice QCD. *Physical review / D*, 88(5):054502, 2013. doi: 10.1103/PhysRevD.88.054502.
- [114] D. Garcia-Senz, R. M. Cabezon, A. Arcones*, A. Relano, and F. K. Thielemann. High-resolution simulations of the head-on collision of white dwarfs. *Monthly notices of the Royal Astronomical Society*, 436(4):3413 – 3429, 2013. doi: 10.1093/mnras/stt1821.
- [115] M. Gascón, L. Schnorrenberger, B. Pietras, H. Álvarez Pol, D. Cortina-Gil, P. D. Fernández, I. Duran, J. Glorius, D. González, D. Perez-Loureiro, N. Pietralla, D. Savran*, and K. Sonnabend. Characterization of a CsI(Tl) array coupled to avalanche photodiodes for the Barrel of the CALIFA calorimeter at the NEPTUN tagged gamma beam facility. *Journal of Instrumentation*, 8(10):P10004 – P10004, 2013. doi: 10.1088/1748-0221/8/10/P10004.
- [116] A. M. Gasparyan*, M. Lutz*, and E. Epelbaum. Two-nucleon scattering: Merging chiral effective field theory with dispersion relations. *The European physical journal / A*, 49(9):115, 2013. doi: 10.1140/epja/i2013-13115-7.
- [117] R. Geithner, D. Heinert, R. Neubert, W. Vodel*, and P. Seidel. Low temperature permeability and current noise of ferromagnetic pickup coils. *Cryogenics*, 54:16 – 19, 2013. doi: 10.1016/j.cryogenics.2012.10.002.

- [118] L. Giot*, J. A. Alcántara-Núñez, J. Benlliure, D. Pérez-Loureiro, L. Audouin, A. Boudard, E. Casarejos, T. Enqvist*, J. E. Ducret, B. Fernández-Domínguez, M. F. Ordonez, F. Farget, A. Heinz*, V. Henzl*, D. Henzlova*, A. Kelic-Heil*, A. Lafriashk, S. Leray, P. Napolitani*, C. Paradela, J. Pereira, M. V. Ricciardi*, C. Stephan, K.-H. Schmidt*, C. Schmitt*, L. Tassan-Got, C. Villagrasa, C. Volant, and O. Yordanov*. Isotopic production cross sections of the residual nuclei in spallation reactions induced by Xe-136 projectiles on proton at 500 A MeV. *Nuclear physics / A*, 899:116–132, 2013. doi: 10.1016/nuclphysa.2012.12.119.
- [119] L. Giot*, J. A. Alcántara-Núñez, J. Benlliure, D. Pérez-Loureiro, L. Audouin, A. Boudard, E. Casarejos, T. Enqvist*, J. E. Ducret, B. Fernández-Domínguez, M. Fernández Ordóñez, F. Farget, A. Heinz*, V. Henzl*, D. Henzlova*, A. Kelić-Heil*, A. Lafriashk, S. Leray, P. Napolitani*, C. Paradela, J. Pereira, M. V. Ricciardi*, C. Stéphan, K.-H. Schmidt*, C. Schmitt*, L. Tassan-Got, C. Villagrasa, C. Volant, and O. Yordanov*. Isotopic production cross sections of the residual nuclei in spallation reactions induced by ^{136}Xe projectiles on proton at 500 A MeV. *Nuclear physics / A*, 899:116 – 132, 2013. doi: 10.1016/j.nuclphysa.2012.12.119.
- [120] T. Goecke, C. Fischer, and R. Williams. Role of momentum dependent dressing functions and vector meson dominance in hadronic light-by-light contributions to the muon $g - 2$. *Physical review / D*, 87(3):034013, 2013. doi: 10.1103/PhysRevD.87.034013.
- [121] N. Goel*, C. Domingo-Pardo, T. Habermann*, F. Ameil*, T. Engert*, J. Gerl*, I. Kojouharov*, J. Maruhn, N. Pietralla, and H. Schaffner*. Characterisation of a symmetric AGATA detector using the imaging scanning technique. *Nuclear instruments & methods in physics research / A*, 700:10 – 21, 2013. doi: 10.1016/j.nima.2012.10.028.
- [122] P. Golubev, A. Wendt, L. Scruton, J. Taprogge, D. Rudolph, P. Reiter, M. A. Bentley, V. Avdeichikov, P. Boutachkov*, S. P. Fox, J. Gerl*, C. Görge, R. Hoischen*, N. Kurz*, B. S. Nara Singh, G. Pascovici, S. Pietri*, H. Schaffner*, M. J. Taylor, S. Thiel, and H.-J. Wollersheim*. The Lund–York–Cologne Calorimeter (LYCCA): Concept, design and prototype developments for a FAIR-NUSTAR detector system to discriminate relativistic heavy-ion reaction products. *Nuclear instruments & methods in physics research / A*, 723:55 – 66, 2013. doi: 10.1016/j.nima.2013.04.058.
- [123] A. Gottardo, J. J. Valiente-Dobón, G. Benzoni, A. Gadea, S. Lunardi, P. Boutachkov*, A. M. Bruce, M. Górska*, J. Grebosz, S. Pietri*, Z. Podolyák, M. Pfützner, P. H. Regan, H. Weick*, J. Alcántara Núñez, A. Algora, N. Al-Dahan, G. de Angelis, Y. Ayyad, N. Alkhomashi, P. R. P. Allegro, D. Bazzacco, J. Benlliure, M. Bowry, A. Bracco, M. Bunce, F. Camera, E. Casarejos, M. L. Cortes*, F. C. L. Crespi, A. Corsi, A. M. Denis Bacelar, A. Y. Deo, C. Domingo-Pardo, M. Doncel, Z. Dombradi, T. Engert*, K. Eppinger, G. F. Farrelly, F. Farinon*, E. Farnea, H. Geissel*, J. Gerl*, N. Goel*, E. Gregor*, T. Habermann*, R. Hoischen*, R. Janik, P. R. John, S. Klupp, I. Kojouharov, N. Kurz*, S. M. Lenzi, S. Leoni, S. Mandal, R. Menegazzo, D. Mengoni, B. Million, V. Modamio, A. I. Morales, D. R. Napoli, F. Naqvi*, R. Nicolini, C. Nociforo, A. Prochazka, W. Prokopowicz*, F. Recchia, R. V. Ribas, M. W. Reed, D. Rudolph, E. Sahin, H. Schaffner*, A. Sharma, B. Sitar, D. Siwal, K. Steiger, P. Strmen, T. P. D. Swan, I. Szarka, C. A. Ur, P. M. Walker, O. Wieland, and H.-J. Wollersheim*. New μ isomers in the neutron-rich ^{210}Hg nucleus. *Physics letters / B*, 725(4-5):292 – 296, 2013. doi: 10.1016/j.physletb.2013.07.053.
- [124] G. Gürdal, E. A. Stefanova, P. Boutachkov, D. A. Torres, G. J. Kumbartzki, N. Benczer-Koller, Y. Y. Sharon, L. Zamick, S. J. Q. Robinson, T. Ahn, V. Anagnostatou, C. Bernards, M. Elvers, A. Heinz, G. Ilie, D. Radeck, D. Savran*, V. Werner, and E. Williams. Measurements of $g(4_1^+, 2_2^+)$ in $^{70,72,74,76}\text{Ge}$: Systematics of low-lying structures in $30 \leq Z \leq 40$ and $30 \leq N \leq 50$ nuclei. *Physical review / C*, 88(1):014301, 2013. doi: 10.1103/PhysRevC.88.014301.

- [125] L. V. Grigorenko, I. Mukha*, and M. V. Zhukov. Lifetime and Fragment Correlations for the Two-Neutron Decay of ^{26}O Ground State. *Physical review letters*, 111(4):042501, 2013. doi: 10.1103/PhysRevLett.111.042501.
- [126] G. Guastalla, D. D. DiJulio, M. Górska*, J. Cederkäll, P. Boutachkov*, P. Golubev, S. Pietri*, H. Grawe*, F. Nowacki, K. Sieja, A. Algora, F. Ameil*, T. Arici*, A. Atac, M. A. Bentley, A. Blazhev, D. Bloor, S. Brambilla, N. Braun, F. Camera, Z. Dombrádi, C. Domingo Pardo, A. Estrade*, F. Farinon*, J. Gerl*, N. Goel*, J. Grębosz, T. Habermann*, R. Hoischen, K. Jansson, J. Jolie, A. Jungclaus, I. Kojouharov*, R. Knoebel*, R. Kumar, J. Kurcewicz, N. Kurz*, N. Lalović*, E. Merchan*, K. Moschner, F. Naqvi*, B. S. Nara Singh, J. Nyberg, C. Nociforo*, A. Obertelli, M. Pfützner, N. Pietralla, Z. Podolyák, A. Prochazka*, D. Ralet*, P. Reiter, D. Rudolph, H. Schaffner*, F. Schirru, L. Scruton, D. Sohler, T. Swaleh, J. Taprogge, Z. Vajta, R. Wadsworth, N. Warr, H. Weick*, A. Wendt, O. Wieland, J. S. Winfield*, and H.-J. Wollersheim*. Coulomb Excitation of ^{104}Sn and the Strength of the ^{100}Sn Shell Closure. *Physical review letters*, 110(17):172501, 2013. doi: 10.1103/PhysRevLett.110.172501.
- [127] L. M. Haas*, R. Stiele*, J. Braun*, J. M. Pawlowski*, and J. Schaffner-Bielich*. Improved Polyakov-loop potential for effective models from functional calculations. *Physical review / D*, 87(7):076004, 2013. doi: 10.1103/PhysRevD.87.076004.
- [128] O. S. Haas*, O. Boine-Frankenheim*, and F. Petrov. Simulations of the electron cloud buildup and its influence on the microwave transmission measurement. *Nuclear instruments & methods in physics research / A*, 729:290 – 295, 2013. doi: 10.1016/j.nima.2013.07.051.
- [129] K. Hadyńska-Klęk, P. J. Napiorkowski, A. Maj, F. Azaiez, M. Kicińska-Habior, J. J. Valiente-Dobón, T. Abraham, G. Anil Kumar, B.-Q. Arnés, D. Bazzacco, M. Bellato, D. Bortolato, P. Bednarczyk, G. Benzoni, L. Berti, B. Birkenbach, B. Bruyneel, S. Brambilla, F. Camera, J. Chavas, M. Ciemala, P. Cocconi, P. Coleman-Smith, A. Colombo, A. Corsi, F. C. L. Crespi, D. M. Cullen, A. Czermak, P. Désesquelles, B. Dulny, J. Eberth, E. Farnea, B. Fornal, S. Franchoo, A. Gadea, A. Giaz, A. Gottardo, X. Grave, J. Grębosz, M. Gulmini, T. Habermann*, R. Isocrate, J. Iwanicki, G. Jaworski, A. Jungclaus, N. Karkour, M. Kmiecik, D. Karpiński, M. Kisieliński, N. Kondratyev, A. Korichi, M. Komorowska, M. Kowalczyk, W. Korten, M. Krzysiek, G. Lehaut, S. Leoni, A. Lopez-Martens, S. Lunardi, G. Maron, K. Mazurek, R. Menegazzo, D. Mengoni, E. Merchán*, W. Męczyński, C. Michelagnoli, J. Mierzejewski, B. Million, P. Molini, S. Myalski, D. R. Napoli, R. Nicolini, M. Niikura, A. Obertelli, S. F. Özmen, M. Palacz, A. Pullia, G. Rampazzo, F. Recchia, N. Redon, P. Reiter, D. Rosso, K. Rusek, E. Sahin, M.-D. Salsac, P.-A. Söderström, J. Srebrny, I. Stefan, O. Stęzowski, J. Styczeń, C. Theisen, N. Toniolo, C. A. Ur, V. Vandone, R. Wadsworth, B. Wasilewska, A. Wiens, K. Wrzosek-Lipska, M. Zielińska, and M. Ziębliński. Towards the Determination of Superdeformation in ^{42}Ca . *Acta physica Polonica / B*, 44(3):617, 2013. doi: 10.5506/APhysPolB.44.617.
- [130] J. H. Hamilton, S. Hofmann*, and Y. T. Oganessian. Search for Superheavy Nuclei. *Annual review of nuclear and particle science*, 63(1):383 – 405, 2013. doi: 10.1146/annurev-nucl-102912-144535.
- [131] H.-W. Hammer, A. Nogga, and A. Schwenk*. Colloquium: Three-body forces: From cold atoms to nuclei. *Reviews of modern physics*, 85(1):197 – 217, 2013. doi: 10.1103/RevModPhys.85.197.
- [132] C. Hartnack, H. Oeschler, Y. Leifels*, E. L. Bratkovskaya, and J. Aichelin. What heavy ion can teach us about strange particles and what strange particles can teach us about heavy ions? *Nuclear physics / A*, 914:392 – 395, 2013. doi: 10.1016/j.nuclphysa.2013.05.010.
- [133] K. Hebeler*, J. M. Lattimer, C. J. Pethick, and A. Schwenk*. EQUATION OF STATE AND NEUTRON STAR PROPERTIES CONSTRAINED BY NUCLEAR PHYSICS AND OBSERVATION. *The astrophysical journal / 1*, 773(1):11, 2013. doi: 10.1088/0004-637X/773/1/11.

- [134] F. Hebenstreit, J. Berges, and D. Gelfand. Simulating fermion production in 1+1 dimensional QED. *Physical review / D*, 87(10):105006, 2013. doi: 10.1103/PhysRevD.87.105006.
- [135] F. Hebenstreit, J. Berges, and D. Gelfand. Real-Time Dynamics of String Breaking. *Physical review letters*, 111(20):201601, 2013. doi: 10.1103/PhysRevLett.111.201601.
- [136] F. P. Heßberger*. Discovery of the Heaviest Elements. *ChemPhysChem*, 14(3):483 – 489, 2013. doi: 10.1002/cphc.201201011.
- [137] T. K. Herbst, J. M. Pawłowski, and B.-J. Schaefer. Phase structure and thermodynamics of QCD. *Physical review / D*, 88(1):014007, 2013. doi: 10.1103/PhysRevD.88.014007.
- [138] H. Hergert, S. K. Bogner, S. Binder, A. Calci, J. Langhammer, R. Roth, and A. Schwenk*. In-medium similarity renormalization group with chiral two- plus three-nucleon interactions. *Physical review / C*, 87(3):034307, 2013. doi: 10.1103/PhysRevC.87.034307.
- [139] J. Heuser*. The Compressed Baryonic Matter Experiment at FAIR. *Nuclear physics / A*, 904-905:941c – 944c, 2013. doi: 10.1016/j.nuclphysa.2013.02.170.
- [140] G. M. Hippel, B. Jäger*, T. D. Rae, and H. Wittig. The shape of covariantly smeared sources in lattice QCD. *Journal of high energy physics*, 2013(9):14, 2013. doi: 10.1007/JHEP09(2013)014.
- [141] J. D. Holt and J. Engel. Effective double- β -decay operator for ^{76}Ge and ^{82}Se . *Physical review / C*, 87(6):064315, 2013. doi: 10.1103/PhysRevC.87.064315.
- [142] J. D. Holt, J. Menendez*, and A. Schwenk*. The role of three-nucleon forces and many-body processes in nuclear pairing. *Journal of physics / G*, 40(7):075105, 2013. doi: 10.1088/0954-3899/40/7/075105.
- [143] J. D. Holt, J. Menéndez*, and A. Schwenk*. Three-Body Forces and Proton-Rich Nuclei. *Physical review letters*, 110(2):022502, 2013. doi: 10.1103/PhysRevLett.110.022502.
- [144] J. D. Holt, J. Menéndez*, and A. Schwenk*. Chiral three-nucleon forces and bound excited states in neutron-rich oxygen isotopes. *The European physical journal / A*, 49(3):39, 2013. doi: 10.1140/epja/i2013-13039-2.
- [145] W. Horiuchi, H. Feldmeier*, T. Neff*, and Y. Suzuki. Universality of Short-Range Nucleon-Nucleon Correlations in Nuclei. *Few-body systems*, 54(1-4):279 – 282, 2013. doi: 10.1007/s00601-012-0341-2.
- [146] J. Isaak*, D. Savran*, M. Krtička, M. W. Ahmed, J. Beller, E. Fiori*, J. Glorius, J. H. Kelley, B. Löher*, N. Pietralla*, C. Romig, G. Rusev, M. Scheck, L. Schnorrenberger, J. Silva*, K. Sonnabend*, A. P. Tonchev, W. Tornow, H. R. Weller, and M. Zwiendinger. Constraining nuclear photon strength functions by the decay properties of photo-excited states. *Physics letters / B*, 727(4-5):361 – 365, 2013. doi: 10.1016/j.physletb.2013.10.040.
- [147] K. Itahashi, G. P. A. Berg, H. Fujioka, H. Geissel*, R. S. Hayano, S. Hirenzaki, N. Ikeno, N. Inabe, S. Itoh, D. Kameda, T. Kubo, H. Matsubara, S. Michimasa, K. Miki, H. Miya, M. Nakamura, T. Nishi, S. Noji, S. Ota, K. Suzuki, H. Takeda, K. Todoroki, K. Tsukada, T. Uesaka, H. Weick*, and K. Yoshida. First Precision Spectroscopy of Pionic Atoms at RI Beam Factory. *Few-body systems*, 54(7-10):1569 – 1572, 08/20/2012 - 08/25/2012 2013. doi: 10.1007/s00601-013-0669-2.
- [148] M. Ivanov*. Identified charged hadron production measured with ALICE at the LHC. *Nuclear physics / A*, 904-905:162c – 169c, 2013. doi: 10.1016/j.nuclphysa.2013.01.058.
- [149] Y. Iwata*, K. Iida, and N. Itagaki. Synthesis of thin, long heavy nuclei in ternary collisions. *Physical review / C*, 87(1):014609, 2013. doi: 10.1103/PhysRevC.87.014609.

- [150] S. Jones, R. Hirschi, K. Nomoto, T. Fischer*, F. X. Timmes, F. Herwig, B. Paxton, H. Toki, T. Suzuki, G. Martínez-Pinedo*, Y. H. Lam, and M. G. Bertolli. ADVANCED BURNING STAGES AND FATE OF 8-10 M STARS. *The astrophysical journal* / 1, 772(2):150, 2013. doi: 10.1088/0004-637X/772/2/150.
- [151] D. Jordan, A. Algora, J. Taín, B. Rubio, J. Agramunt, A. Perez-Cerdan, F. Molina, L. Caballero, E. Náchter, A. Krasznahorkay, M. Hunyadi, J. Gulyás, A. Vitéz, M. Csatlós, L. Csige, J. Äystö, H. Penttilä, I. Moore, T. Eronen, A. Jokinen, A. Nieminen, J. Hakala, P. Karvonen, A. Kankainen, A. Saastamoinen, J. Rissanen, T. Kessler, C. Weber, J. Ronkainen, S. Rahaman, V. Elomaa, U. Hager, S. Rinta-Antila, T. Sonoda, K. Burkard*, W. Hüller*, L. Batist, W. Gelletly, A. Nichols, T. Yoshida, A. Sonzogni, K. Peräjärvi, A. Petrovici, K. Schmid, and A. Faessler. Total absorption study of the β decay of $^{102,104,105}\text{Tc}$. *Physical review / C*, 87(4):044318, 2013. doi: 10.1103/PhysRevC.87.044318.
- [152] Z. Kalaninová, A. N. Andreyev, S. Antalic, F. Heßberger*, D. Ackermann*, B. Andel, M. C. Drummond, S. Hofmann*, M. Huyse, B. Kindler*, J. F. W. Lane, V. Liberati, B. Lommel*, R. D. Page, E. Rapisarda, K. Sandhu, Š. Šáro, A. Thornthwaite, and P. Van Duppen. α decay of the very neutron-deficient isotopes $^{197-199}\text{Fr}$. *Physical review / C*, 87(4):044335, 2013. doi: 10.1103/PhysRevC.87.044335.
- [153] K. Kamikado, N. Strodthoff, L. von Smekal, and J. Wambach*. Fluctuations in the quark-meson model for QCD with isospin chemical potential. *Physics letters / B*, 718(3):1044–1053, 2013. doi: 10.1016/j.physletb.2012.11.055.
- [154] J. Khuyagbaatar, V. P. Shevelko, A. Borschevsky, C. E. Düllmann*, I. Y. Tolstikhina, and A. Yakushev*. Average charge states of heavy and superheavy ions passing through a rarified gas: Theory and experiment. *Physical review / A*, 88(4):042703, 2013. doi: 10.1103/PhysRevA.88.042703.
- [155] N. Kobayashi, T. Nakamura, Y. Kondo, N. Aoi, H. Baba, S. Deguchi, N. Fukuda, G. S. Lee, H. S. Lee, N. Inabe, M. Ishihara, Y. Kawada, R. Kanungo, T. Kubo, M. A. Famiano, M. Matsushita, T. Motobayashi, T. Ohnishi, N. A. Orr, H. Otsu, R. Barthelemy, H. Sakurai, S. Kim, T. Sako, T. Sumikama, Y. Satou, K. Takahashi, H. Takeda, M. Takechi*, S. Takeuchi, K. N. Tanaka, N. Tanaka, R. Tanaka, Y. Togano, and K. Yoneda. Breakup Reactions of Drip-Line Nuclei Near $N = 20, 28$. *Few-body systems*, 54(7-10): 1441 – 1444, 08/20/2012 - 08/25/2012 2013. doi: 10.1007/s00601-013-0699-9.
- [156] A. Krasznahorkay, M. Csatlós, L. Stuhl, A. Algora, J. Gulyás, J. Tímár, N. Paar, D. Vretenar, M. N. Harakeh, R3B Collaboration, and EXL Collaboration*. A New Method for Measuring Neutron-skin Thickness in Rare Isotope Beams. *Acta physica Polonica / B*, 44(3):559 – 562, 2013. doi: 10.5506/APhysPolB.44.559.
- [157] A. Krasznahorkay, N. Paar, D. Vretenar, and M. N. Harakeh. Anti-analog giant dipole resonances and the neutron skin of nuclei. *Physics letters / B*, 720(4-5):428 – 432, 2013. doi: 10.1016/j.physletb.2013.02.043.
- [158] J. V. Kratz*, M. Schädel*, and H. W. Gäggeler*. Reexamining the heavy-ion reactions $^{238}\text{U} + ^{238}\text{U}$ and $^{238}\text{U} + ^{248}\text{Cm}$ and actinide production close to the barrier. *Physical review / C*, 88(5):054615, 2013. doi: 10.1103/PhysRevC.88.054615.
- [159] T. Krüger*, I. Tews*, B. Friman*, K. Hebeler*, and A. Schwenk*. The chiral condensate in neutron matter. *Physics letters / B*, 726(1-3):412 – 416, 2013. doi: 10.1016/j.physletb.2013.08.022.
- [160] A. C. LaForge, R. Hubele, J. Goullon, X. Wang, K. Schneider*, V. L. B. de Jesus, B. Najjari, A. B. Voitkiv*, M. Grieser, M. Schulz, and D. Fischer. Initial-state selective study of ionization dynamics in ion-Li collisions. *Journal of physics / B*, 46(3):031001, 2013. doi: 10.1088/0953-4075/46/3/031001.
- [161] S. Lalkovski, A. M. Bruce, A. M. Denis Bacelar, M. Górska*, S. Pietri*, Z. Podolyák, P. Bednarczyk*, L. Caceres, E. Casarejos, I. J. Cullen, P. Doornenbal*, G. F. Farrelly, A. B. Garnsworthy, H. Geissel*,

- W. Gelletly, J. Gerl*, J. Grębosz*, C. Hinke, G. Ilie, D. Ivanova, G. Jaworski, S. Kisyov, I. Kojouharov*, N. Kurz*, N. Minkov, S. Myalski, M. Palacz, P. Petkov, W. Prokopowicz*, P. H. Regan, H. Schaffner*, S. Steer, S. Tashenov*, P. M. Walker, and H.-J. Wollersheim*. Submicrosecond isomer in ${}_{45}^{117}\text{Rh}_{72}$ and the role of triaxiality in its electromagnetic decay rate. *Physical review / C*, 88(2):024302, 2013. doi: 10.1103/PhysRevC.88.024302.
- [162] S. Lalkovski, A. M. Bruce, A. Jungclaus, M. Górska, M. Pfützner, L. Cáceres*, F. Naqvi*, S. Pietri*, Z. Podolyák, G. S. Simpson, K. Andgren, P. Bednarczyk*, T. Beck*, J. Benlliure, G. Benzoni, E. Casarejos, B. Cederwall, F. C. L. Crespi, J. J. Cuenca-García*, I. J. Cullen, A. M. Denis Bacelar, P. Detistov, P. Doornenbal*, G. F. Farrelly, A. B. Garnsworthy, H. Geissel*, W. Gelletly, J. Gerl*, J. Grebosz*, B. Hadinia, M. Hellström, C. Hinke, R. Hoischen*, G. Ilie, G. Jaworski, J. Jolie, A. Khaplanov, S. Kisyov, M. Kmiecik, I. Kojouharov*, R. Kumar, N. Kurz*, A. Maj, S. Mandal, V. Modamio, F. Montes*, S. Myalski, M. Palacz, W. Prokopowicz*, P. Reiter, P. H. Regan, D. Rudolph, H. Schaffner*, D. Sohler, S. J. Steer, S. Tashenov*, J. Walker, P. M. Walker, H. Weick*, E. Werner-Malento, O. Wieland, H. J. Wollersheim*, and M. Zhekova. Core-coupled states and split proton-neutron quasiparticle multiplets in ${}^{122-126}\text{Ag}$. *Physical review / C*, 87(3):034308, 2013. doi: 10.1103/PhysRevC.87.034308.
- [163] J. F. W. Lane, A. N. Andreyev, S. Antalic, D. Ackermann*, J. Gerl*, F.-P. Hessberger*, S. Hofmann*, M. Huysse, H. Kettunen, A. Kleinböhl*, B. Kindler*, I. Kojouharov*, M. Leino, B. Lommel*, G. Münzenberg*, K. Nishio, R. D. Page, Š. Šáro, H. Schaffner*, M. J. Taylor, and P. Van Duppen. β -delayed fission of ${}^{186,188}\text{Bi}$ isotopes. *Physical review / C*, 87(1):014318, 2013. doi: 10.1103/PhysRevC.87.014318.
- [164] K. Langfeld and J. M. Pawłowski*. Two-color QCD with heavy quarks at finite densities. *Physical review / D*, 88(7):071502, 2013. doi: 10.1103/PhysRevD.88.071502.
- [165] Z. Léczy*, O. Boine-Frankenheim*, and V. Kornilov*. Target normal sheath acceleration for arbitrary proton layer thickness. *Nuclear instruments & methods in physics research / A*, 727:51 – 58, 2013. doi: 10.1016/j.nima.2013.05.163.
- [166] A. Lehmann, A. Britting, W. Eylich, C. Schwarz*, J. Schwiening*, and F. Uhlig. Significantly improved lifetime of micro-channel plate PMTs. volume 718, pages 535 – 540. 12th Pisa Meeting on Advanced Detectors, La Biodola, Isola d’Elba(Italy), North-Holland Publ. Co., 05/20/2012 - 05/26/2012 2013. doi: 10.1016/j.nima.2012.11.109.
- [167] D. Lens and H. Klingbeil*. Stability of longitudinal bunch length feedback for heavy-ion synchrotrons. *Physical review / Special topics / Accelerators and beams*, 16(3):032801, 2013. doi: 10.1103/PhysRevSTAB.16.032801.
- [168] B. Löher, V. Derya, T. Aumann*, J. Beller, N. Cooper, M. Duchêne, J. Endres, E. Fiori, J. Isaak, J. Kelley, M. Knörzer, N. Pietralla, C. Romig, D. Savran, M. Scheck, H. Scheit, J. Silva, A. Tonchev, W. Tornow, H. Weller, V. Werner, and A. Zilges. The high-efficiency γ – ray spectroscopy setup γ^3 at $HI\gamma S$. *Nuclear instruments & methods in physics research / A*, 723:136 – 142, 2013. doi: 10.1016/j.nima.2013.04.087.
- [169] D. L. Lincoln, J. D. Holt*, G. Bollen, M. Brodeur, S. Bustabad, J. Engel, S. J. Novario, M. Redshaw, R. Ringle, and S. Schwarz. First Direct Double- β Decay Q-Value Measurement of ${}^{82}\text{Se}$ in Support of Understanding the Nature of the Neutrino. *Physical review letters*, 110(1):012501, 2013. doi: 10.1103/PhysRevLett.110.012501.
- [170] S. Litvinov*, D. Toprek, H. Weick*, and A. Dolinskii*. Isochronicity correction in the CR storage ring. *Nuclear instruments & methods in physics research / A*, 724:20 – 26, 2013. doi: 10.1016/j.nima.2013.05.057.

- [171] P. M. Lo*, B. Friman*, O. Kaczmarek, K. Redlich*, and C. Sasaki. Probing deconfinement with Polyakov loop susceptibilities. *Physical review / D*, 88(1):014506, 2013. doi: 10.1103/PhysRevD.88.014506.
- [172] P. M. Lo*, B. Friman*, O. Kaczmarek, K. Redlich*, and C. Sasaki. Polyakov loop fluctuations in SU(3) lattice gauge theory and an effective gluon potential. *Physical review / D*, 88(7):074502, 2013. doi: 10.1103/PhysRevD.88.074502.
- [173] V. Manea, D. Atanasov, D. Beck*, K. Blaum, C. Borgmann, R. B. Cakirli, T. Eronen, S. George, F. Herfurth*, A. Herlert, M. Kowalska, S. Kreim, Y. A. Litvinov*, D. Lunney, D. Neidherr*, M. Rosenbusch, L. Schweikhard, F. Wienholtz, R. N. Wolf, and K. Zuber. Collective degrees of freedom of neutron-rich $A \approx 100$ nuclei and the first mass measurement of the short-lived nuclide ^{100}Rb . *Physical review / C*, 88(5):054322, 2013. doi: 10.1103/PhysRevC.88.054322.
- [174] S. Masciocchi*. Heavy-flavour production in ALICE at the LHC. *Nuclear physics / A*, 910-911:83 – 90, 2013. doi: 10.1016/j.nuclphysa.2012.12.059.
- [175] R. Massarczyk, G. Schramm, A. Junghans, R. Schwengner, M. Anders, T. Belgya, R. Beyer, E. Birgersson, A. Ferrari, E. Grosse, R. Hannaske, Z. Kis, T. Kögler, K. Kosev, M. Marta*, L. Szentmiklósi, A. Wagner, and J. Weil. Electromagnetic dipole strength up to the neutron separation energy from $^{196}\text{Pt}(\gamma, \gamma')$ and $^{195}\text{Pt}(n, \gamma)$ reactions. *Physical review / C*, 87(4):044306, 2013. doi: 10.1103/PhysRevC.87.044306.
- [176] E. A. McCutchan, C. J. Lister, T. Ahn, V. Anagnostatou, N. Cooper, M. Elvers, P. Goddard, A. Heinz, G. Ilie, D. Radeck, D. Savran*, and V. Werner. Shape coexistence and high-K states in ^{74}Se populated following the β decay of ^{74}Br . *Physical review / C*, 87(1):014307, 2013. doi: 10.1103/PhysRevC.87.014307.
- [177] J. Michel, G. Korcyl, L. Maier, and M. Traxler*. In-beam experience with a highly granular DAQ and control network: TrbNet. *Journal of Instrumentation*, 8(02):C02034 – C02034, 2013. doi: 10.1088/1748-0221/8/02/C02034.
- [178] L. Miguel*, H. Weick*, J. Mattila, F. Amjad*, E. Kozlova*, C. Karagiannis*, K.-H. Behr*, and M. Winkler*. Super-FRS Target Area Remote Handling: Scenario and Development. *International journal of advanced robotic systems*, 10:1 – 9, 2013. doi: 10.5772/57073.
- [179] B. W. Mintz, R. Stiele, R. O. Ramos, and J. Schaffner-Bielich*. Phase diagram and surface tension in the three-flavor Polyakov-quark-meson model. *Physical review / D*, 87(3):036004, 2013. doi: 10.1103/PhysRevD.87.036004.
- [180] D. Miskowiec*. ALICE Pb-Pb and p-Pb results. volume 44, pages 1553 – 1567. Epiphany conference on the physics after the first phase at the LHC, Cracow(Poland), Inst. of Physics, Jagellonian Univ., 01/07/2013 - 01/09/2014 2013. doi: 10.5506/APhysPolB.44.1553.
- [181] D. Müller, M. Buballa, and J. Wambach. Dyson-Schwinger approach to color superconductivity at finite temperature and density. *The European physical journal / A*, 49(8):96, 2013. doi: 10.1140/epja/i2013-13096-5.
- [182] D. Müller, M. Buballa, and J. Wambach*. Dyson-Schwinger study of chiral density waves in QCD. *Physics letters / B*, 727(1-3):240 – 243, 2013. doi: 10.1016/j.physletb.2013.10.050.
- [183] G. Münzenberg*. Development of mass spectrometers from Thomson and Aston to present. *International journal of mass spectrometry*, 349-350:9 – 18, 2013. doi: 10.1016/j.ijms.2013.03.009.

- [184] V. Modamio, J. J. Valiente-Dobón, S. Lunardi, S. M. Lenzi, A. Gadea, D. Mengoni, D. Bazzacco, A. Algora, P. Bednarczyk, G. Benzoni, B. Birkenbach, A. Bracco, B. Bruyneel, A. Bürger, J. Chavas, L. Corradi, F. C. L. Crespi, G. de Angelis, P. Désesquelles, G. de France, R. Depalo, A. Dewald, M. Doncel, M. N. Erduran, E. Farnea, E. Fioretto, C. Fransen, K. Geibel, A. Gottardo, A. Görgen, T. Habermann*, M. Hackstein, H. Hess, T. Hüyük, P. R. John, J. Jolie, D. Judson, A. Jungclaus, N. Karkour, R. Kempley, S. Leoni, B. Melon, R. Menegazzo, C. Michelagnoli, T. Mijatović, B. Million, O. Möller, G. Montagnoli, D. Montanari, A. Nannini, D. R. Napoli, Z. Podolyak, G. Pollarolo, A. Pullia, B. Quintana, F. Recchia, P. Reiter, D. Rosso, W. Rother, E. Sahin, M. D. Salsac, F. Scarlassara, K. Sieja, P. A. Söderström, A. M. Stefanini, O. Stezowski, S. Szilner, C. Theisen, B. Travers, and C. A. Ur. Lifetime measurements in neutron-rich $^{63,65}\text{Co}$ isotopes using the AGATA demonstrator. *Physical review / C*, 88(4):044326, 2013. doi: 10.1103/PhysRevC.88.044326.
- [185] A. I. Morales, J. Benlliure, M. Górska*, H. Grawe*, S. Verma, P. H. Regan, Z. Podolyák, S. Pietri, R. Kumar, E. Casarejos, A. Algora, N. Alkhamashi, H. Álvarez Pol, G. Benzoni, A. Blazhev, P. Boutachkov*, A. M. Bruce, L. S. Cáceres*, I. J. Cullen, A. M. Denis Bacelar, P. Doornenbal*, M. E. Estévez-Aguado, G. Farrelly, Y. Fujita, A. B. Garnsworthy, W. Gelletly, J. Gerl*, J. Grebosz*, R. Hoischen, I. Kojouharov*, N. Kurz*, S. Lalkovski, Z. Liu, C. Mihai, F. Molina, D. Mücher, W. Prokopowicz*, B. Rubio, H. Schaffner*, S. J. Steer, A. Tamii, S. Tashenov*, J. J. Valiente-Dobón, P. M. Walker, H.-J. Wollersheim*, and P. J. Woods. β -delayed γ -ray spectroscopy of $^{203,204}\text{Au}$ and $^{200-202}\text{Pt}$. *Physical review / C*, 88(1):014319, 2013. doi: 10.1103/PhysRevC.88.014319.
- [186] K. Morita*, B. Friman*, K. Redlich*, and V. Skokov. Net quark number probability distribution near the chiral crossover transition. *Physical review / C*, 88(3):034903, 2013. doi: 10.1103/PhysRevC.88.034903.
- [187] N. Paar, H. Tutman, T. Marketin, and T. Fischer*. Large-scale calculations of supernova neutrino-induced reactions in $Z=8-82$ target nuclei. *Physical review / C*, 87(2):025801, 2013. doi: 10.1103/PhysRevC.87.025801.
- [188] M. Palacz, J. Nyberg, H. Grawe*, K. Sieja, G. de Angelis, P. Bednarczyk, A. Blazhev*, D. Curien, Z. Dombradi, O. Dorvaux, J. Ekman, J. Gałkowski, M. Górska*, J. Iwanicki, G. Jaworski, J. Kownacki, J. Ljungvall, M. Moszyński, F. Nowacki, D. Rudolph, D. Sohler, D. Wolski, and M. Ziębliński. Odd-parity ^{100}Sn Core Excitations. *Acta physica Polonica / B*, 44(3):491, 08/27/2012 - 09/02/2012 2013. doi: 10.5506/APhysPolB.44.491.
- [189] I. V. Panov, I. Y. Korneev, G. Martinez-Pinedo*, and F. Thielemann. Influence of spontaneous fission rates on the yields of superheavy elements in the r-process. *Astronomy letters*, 39(3):150 – 160, 2013. doi: 10.1134/S1063773713030043.
- [190] C. Parascandolo, D. Pierroutsakou, C. Agodi, R. Alba, V. Baran, A. Boiano, M. Colonna, R. Coniglione, E. De Filippo, A. Del Zoppo, M. Di Toro, U. Emanuele, F. Farinon*, A. Guglielmetti, M. La Comara, C. Maiolino, B. Martin, M. Mazzocco, C. Mazzocchi, C. Rizzo, M. Romoli, D. Santonocito, C. Signorini, R. Silvestri, F. Soramel, E. Strano, D. Torresi, A. Trifirò, and M. Trimarchi. Dynamical Dipole Mode in the ^{192}Pb Mass Region. *Acta physica Polonica / B*, 44(3):605, 2013. doi: 10.5506/APhysPolB.44.605.
- [191] V. Pershina-Naegele*. Predictions of redox potentials of Sg in acid solutions as a function of pH. *Radiochimica acta*, 101:749–752, 2013. doi: 10.1524/ract.2013.2121.
- [192] V. Pershina-Naegele* and J. Anton. Theoretical predictions of properties and gas-phase chromatography behaviour of carbonyl complexes of group-6 elements Cr, Mo, W, and element 106, Sg. *The journal of chemical physics*, 138(17):174301, 2013. doi: 10.1063/1.4802765.

- [193] B. Pietras, M. Gascón, H. Álvarez Pol, M. Bendel, T. Bloch, E. Casarejos, D. Cortina-Gil, I. Durán, E. Fiori*, R. Gernhäuser, D. González, T. Kröll, T. Le Bleis, N. Montes, E. Nácher, M. Robles, A. Perea, J. A. Vilán, and M. Winkel. CALIFA Barrel prototype detector characterisation. *Nuclear instruments & methods in physics research / A*, 729:77 – 84, 2013. doi: 10.1016/j.nima.2013.06.063.
- [194] W. Plaß*, T. Dickel*, and C. Scheidenberger*. Multiple-reflection time-of-flight mass spectrometry. *International journal of mass spectrometry*, 349-350:134 – 144, 2013. doi: 10.1016/j.ijms.2013.06.005.
- [195] E. Minaya Ramirez*, D. Ackermann*, K. Blaum, M. Block*, C. Droese, C. E. Düllmann*, M. Eibach, S. Eliseev, E. Haettner*, F. Herfurth*, F.-P. Hessberger*, S. Hofmann*, G. Marx, D. Nesterenko, Y. N. Novikov, W. Plaß*, D. Rodríguez, C. Scheidenberger*, L. Schweikhard, P. G. Thirolf, and C. Weber. Recent developments for high-precision mass measurements of the heaviest elements at SHIPTRAP. *Nuclear instruments & methods in physics research / B*, 317:501 – 505, 2013. doi: 10.1016/j.nimb.2013.07.055.
- [196] C. Rappold*, E. Kim*, D. Nakajima*, T. Saito*, O. Bertini*, S. Bianchin*, V. Bozkurt*, M. Kavatsyuk, Y. Ma*, F. Maas*, S. Minami*, B. Özel Tashenov*, K. Yoshida*, P. Achenbach, S. Ajimura, T. Aumann*, C. Ayerbe Gayoso, H. C. Bhang, C. Caesar*, S. Erturk, T. Fukuda, B. Göküzüm*, E. Guliev, T. Hiraiwa, J. Hoffmann*, G. Ickert*, Z. S. Ketenci, D. Khanefit*, M. Kim, S. Kim, K. Koch*, N. Kurz*, A. Le Fèvre*, Y. Mizoi, M. Moritsu, T. Nagae, L. Nungesser, A. Okamura, W. Ott*, J. Pochodzalla, A. Sakaguchi, M. Sako, C. J. Schmidt*, M. Sekimoto, H. Simon*, H. Sugimura, T. Takahashi, G. J. Tambave, H. Tamura, W. Trautmann*, S. Voltz*, N. Yokota, and C. J. Yoon. Hypernuclear spectroscopy of products from ${}^6\text{Li}$ projectiles on a carbon target at 2A GeV. *Nuclear physics / A*, 913:170 – 184, 2013. doi: 10.1016/j.nuclphysa.2013.05.019.
- [197] C. Rappold*, E. Kim*, T. Saito*, O. Bertini*, S. Bianchin*, V. Bozkurt*, M. Kavatsyuk, Y. Ma*, F. Maas*, S. Minami*, D. Nakajima*, B. Özel Tashenov*, K. Yoshida*, P. Achenbach, S. Ajimura, T. Aumann*, C. Ayerbe Gayoso, H. C. Bhang, C. Caesar*, S. Erturk, T. Fukuda, B. Göküzüm, E. Guliev, J. Hoffmann*, G. Ickert*, Z. S. Ketenci, D. Khanefit*, M. Kim, S. Kim, K. Koch*, N. Kurz*, A. Le Fèvre*, Y. Mizoi, L. Nungesser, W. Ott*, J. Pochodzalla, A. Sakaguchi, C. J. Schmidt*, M. Sekimoto, H. Simon*, T. Takahashi, G. J. Tambave, H. Tamura, W. Trautmann*, S. Voltz*, and C. J. Yoon. Search for evidence of ${}^3_{\Lambda}n$ by observing $d + \pi^-$ and $t + \pi^-$ final states in the reaction of ${}^6\text{Li} + {}^{12}\text{C}$ at 2A GeV. *Physical review / C*, 88(4):041001, 2013. doi: 10.1103/PhysRevC.88.041001.
- [198] P. Rau, J. Steinheimer, S. Schramm, and H. Stöcker*. Chiral hadronic mean field model including quark degrees of freedom. *Journal of physics / G*, 40(8):085001, 2013. doi: 10.1088/0954-3899/40/8/085001.
- [199] T. Rauscher, N. Dauphas, I. Dillmann*, C. Fröhlich, Z. Fülöp, and G. Gyürky. Constraining the astrophysical origin of the p-nuclei through nuclear physics and meteoritic data. *Reports on progress in physics*, 76(6):066201, 2013. doi: 10.1088/0034-4885/76/6/066201.
- [200] T. R. Rodríguez* and G. Martínez-Pinedo*. Neutrinoless $\eta\eta$ decay nuclear matrix elements in an isotopic chain. *Physics letters / B*, 719(1-3):174–178, 2013. doi: 10.1016/j.physletb.2012.12.063.
- [201] E. Roeckl* and I. Mukha*. Q values of radioactive decay: Examples from nuclear physics and related fields. *International journal of mass spectrometry*, 349-350:47 – 56, 2013. doi: 10.1016/j.ijms.2013.03.021.
- [202] C. Romig, J. Beller, J. Glorius, J. Isaak*, J. H. Kelley, E. Kwan, N. Pietralla, V. Y. Ponomarev, A. Sauerwein, D. Savran*, M. Scheck, L. Schnorrenberger, K. Sonnabend, A. P. Tonchev, W. Tornow, H. R. Weller, A. Zilges, and M. Zweidinger. Low-lying dipole strength of the open-shell nucleus ${}^{94}\text{Mo}$. *Physical review / C*, 88(4):044331, 2013. doi: 10.1103/PhysRevC.88.044331.

- [203] D. M. Rossi*, P. Adrich*, H. Alvarez-Pol, T. Aumann*, J. Benlliure, M. Böhmer, K. Boretzky*, E. Casarejos, M. Chartier, A. Chatillon*, D. Cortina-Gil, U. Datta Pramanik, H. Emling*, O. Ershova, B. Fernandez-Dominguez, H. Geissel*, M. Gorska*, M. Heil*, H. Johansson*, A. Junghans, A. Kelic-Heil*, O. Kiselev*, A. Klimkiewicz*, J. V. Kratz, Krücken, N. Kurz*, M. Labiche, T. Le Bleis*, R. Lemmon, Y. Litvinov*, K. Mahata*, P. Maierbeck, A. Movsesyan, T. Nilsson, C. Nociforo*, R. Palit, S. Paschalis, R. Plag*, R. Reifarth*, D. Savran, H. Scheit, H. Simon*, K. Sümmerer*, A. Wagner, W. Walús, H. Weick*, and M. Winkler*. Measurement of the Dipole Polarizability of the Unstable Neutron-Rich Nucleus ^{68}Ni . *Physical review letters*, 111(11):242503, 2013. doi: 10.1103/PhysRevLett.111.242503.
- [204] S. Rothe, A. N. Andreyev, S. Antalic, A. Borschevsky, L. Capponi, T. E. Cocolios, H. De Witte, E. Eliav, D. V. Fedorov, V. N. Fedosseev, D. A. Fink, S. Fritzsche*, L. Ghys, M. Huyse, N. Imai, U. Kaldor, Y. Kudryavtsev, U. Köster, J. F. W. Lane, J. Lassen, V. Liberati, K. M. Lynch, B. A. Marsh, K. Nishio, D. Pauwels, V. Pershina-Nägele*, L. Popescu, T. J. Procter, D. Radulov, S. Raeder, M. M. Rajabali, E. Rapisarda, R. E. Rossel, K. Sandhu, M. D. Seliverstov, A. M. Sjödin, P. Van den Bergh, P. Van Duppen, M. Venhart, Y. Wakabayashi, and K. D. A. Wendt. Measurement of the first ionization potential of astatine by laser ionization spectroscopy. *Nature Communications*, 4:1835, 2013. doi: 10.1038/ncomms2819.
- [205] G. Röpke, N.-U. Bastian, D. Blaschke, T. Klähn, S. Typel*, and H. H. Wolter. Cluster-virial expansion for nuclear matter within a quasiparticle statistical approach. *Nuclear physics / A*, 897:70 – 92, 2013. doi: 10.1016/j.nuclphysa.2012.10.005.
- [206] D. Rudolph, U. Forsberg, P. Golubev, L. G. Sarmiento, A. Yakushev*, L.-L. Andersson, A. Di Nitto, C. E. Düllmann*, J. M. Gates, K. E. Gregorich, C. J. Gross, F.-P. Hessberger*, R.-D. Herzberg, J. Khuyagbaatar, J. V. Kratz, K. Rykaczewski, M. Schädel*, S. Åberg, D. Ackermann*, M. Block*, H. Brand*, B. G. Carlsson, D. Cox, X. Derkx, K. Eberhardt, J. Even, C. Fahlander, J. Gerl*, E. Jäger*, B. Kindler*, J. Krier*, I. Kojouharov*, N. Kurz*, B. Lommel*, A. Mistry, C. Mokry, H. Nitsche, J. P. Omtvedt, P. Papadakis, I. Ragnarsson, J. Runke*, H. Schaffner*, B. Schausten*, P. Thörle-Pospiech, T. Torres*, T. Traut, N. Trautmann, A. Türler, A. Ward, D. E. Ward, and N. Wiehl. Spectroscopy of Element 115 Decay Chains. *Physical review letters*, 111(11):112502, 2013. doi: 10.1103/PhysRevLett.111.112502.
- [207] T. Saito*, E. Kim*, D. Nakajima*, C. Rappold*, S. Bianchin*, O. Borodina*, V. Bozkurt*, M. Kavatsyuk, Y. Ma*, F. Maas*, S. Minami*, B. Özel Tashenov*, and K. Yoshida*. Latest Results From the HypHI Experiments at GSI: Hypernuclear Spectroscopy with Heavy Ion Induced Reactions. *Few-body systems*, 54(7-10):1211 – 1214, 2013. doi: 10.1007/s00601-013-0666-5.
- [208] V. V. Sargsyan, A. S. Zubov, G. G. Adamian, N. V. Antonenko, and S. Heinz*. Production of exotic isotopes in complete fusion reactions with radioactive beams. *Physical review / C*, 88(5):054609, 2013. doi: 10.1103/PhysRevC.88.054609.
- [209] M. Scheck, V. Y. Ponomarev, T. Aumann, J. Beller, M. Fritzsche, J. Isaak*, J. H. Kelley, E. Kwan, N. Pietralla, R. Raut, C. Romig, G. Rusev, D. Savran*, K. Sonnabend, A. P. Tonchev, W. Tornow, H. R. Weller, and M. Zweidinger. Decay pattern of the pygmy dipole resonance in ^{60}Ni . *Physical review / C*, 87(5):051304, 2013. doi: 10.1103/PhysRevC.87.051304.
- [210] M. Scheck, V. Y. Ponomarev, M. Fritzsche, J. Joubert, T. Aumann, J. Beller, J. Isaak*, J. H. Kelley, E. Kwan, N. Pietralla, R. Raut, C. Romig, G. Rusev, D. Savran*, L. Schorrenberger, K. Sonnabend, A. P. Tonchev, W. Tornow, H. R. Weller, A. Zilges, and M. Zweidinger. Photoresponse of ^{60}Ni below 10-MeV excitation energy: Evolution of dipole resonances in fp-shell nuclei near $N=Z$. *Physical review / C*, 88(4):044304, 2013. doi: 10.1103/PhysRevC.88.044304.
- [211] K. Schmidt, S. Akhmadaliev, M. Anders, D. Bemmerer, K. Boretzky*, A. Caciolli, D. Degering, M. Dietz, R. Dressler, Z. Elekes, Z. Fülöp, G. Gyürky, R. Hannaske, A. R. Junghans, M. Marta*, M.-L.

- Menzel, F. Munnik, D. Schumann, R. Schwengner, T. Szücs, A. Wagner, D. Yakorev, and K. Zuber. Resonance triplet at $E_{\alpha} = 4.5 \text{ MeV}$ in the $^{40}\text{Ca}(\alpha, \gamma)^{44}\text{Ti}$ reaction. *Physical review / C*, 88(2):025803, 2013. doi: 10.1103/PhysRevC.88.025803.
- [212] K.-H. Schmidt*, B. Jurado, R. Pleskač*, M. V. Ricciardi*, J. Benlliure, A. Boudard, E. Casarejos, T. Enqvist, F. Farget, A. Bacquias*, M. Fernandez, L. Giot, V. Henzl*, D. Henzlova*, A. Kelić-Heil*, T. Kurtukian, S. Leray, S. Lukić*, S. N. Ngoc*, P. Nadtochy, D. Perez, and C. Schmitt. High-precision measurement of total fission cross sections in spallation reactions of ^{208}Pb and ^{238}U . *Physical review / C*, 87(3):034601, 2013. doi: 10.1103/PhysRevC.87.034601.
- [213] P. Schnizer*, E. Fischer*, K. Sugita*, J. P. Meier*, and A. Mierau*. Design Optimization, Series Production, and Testing of the SIS100 Superconducting Magnets for FAIR. *IEEE transactions on applied superconductivity*, 23(3):4101105 – 4101105, 2013. doi: 10.1109/TASC.2012.2236132.
- [214] P.-A. Söderström, G. Lorusso, H. Watanabe, S. Nishimura, P. Doornenbal, G. Thiamova, F. Browne, G. Gey, H. S. Jung, T. Sumikama, J. Taprogge, Z. Vajta, J. Wu, Z. Y. Xu, H. Baba, G. Benzoni, K. Y. Chae, F. C. L. Crespi, N. Fukuda, R. Gernhäuser, N. Inabe, T. Isobe, A. Jungclaus, D. Kameda, G. D. Kim, Y.-K. Kim, I. Kojouharov*, F. G. Kondev, T. Kubo, N. Kurz*, Y. K. Kwon, G. J. Lane, Z. Li, A. Montaner-Pizá, K. Moschner, F. Naqvi, M. Niikura, H. Nishibata, A. Odahara, R. Orlandi, Z. Patel, Z. Podolyák, H. Sakurai, H. Schaffner*, G. S. Simpson, K. Steiger, H. Suzuki, H. Takeda, A. Wendt, A. Yagi, and K. Yoshinaga. Shape evolution in $^{116,118}\text{Ru}$: Triaxiality and transition between the O(6) and U(5) dynamical symmetries. *Physical review / C*, 88(2):024301, 2013. doi: 10.1103/PhysRevC.88.024301.
- [215] S. Y. Shim*, S. Wilfert*, and C. Muehle*. Secondary magnetic field harmonics dependence on vacuum beam chamber geometry. *Physical review / Special topics / Accelerators and beams*, 16(8):082401, 2013. doi: 10.1103/PhysRevSTAB.16.082401.
- [216] H. Simon*. Masses of unbound nuclear systems. *International journal of mass spectrometry*, 349-350: 172 – 180, 2013. doi: 10.1016/j.ijms.2013.05.013.
- [217] H. Simon*. Halo Nuclei: Stepping Stones Across the Dripline. *Few-body systems*, 54(7-10):863 – 868, 2013. doi: 10.1007/s00601-013-0698-x.
- [218] V. Skokov*, B. Friman*, and K. Redlich. Volume fluctuations and higher-order cumulants of the net baryon number. *Physical review / C*, 88(3):034911, 2013. doi: 10.1103/PhysRevC.88.034911.
- [219] K. Sümmerer*. Erratum: Improved empirical parametrization of fragmentation cross sections [Phys. Rev. C 86, 014601 (2012)]. *Physical review / C*, 87(3):039903, 2013. doi: 10.1103/PhysRevC.87.039903.
- [220] V. Somà*, C. Barbieri, and T. Duguet. Ab initio Gorkov-Green’s function calculations of open-shell nuclei. *Physical review / C*, 87(1):011303, 2013. doi: 10.1103/PhysRevC.87.011303.
- [221] C. Stahl, J. Leske, N. Pietralla, P. R. John, G. Rainovski, J. Gerl*, I. Kojouharov*, and H. Schaffner*. Identification of the proton $2p_{1/2} \rightarrow 2p_{3/2}$ M1 spin-flip transition in ^{87}Rb . *Physical review / C*, 87(3): 037302, 2013. doi: 10.1103/PhysRevC.87.037302.
- [222] J. Stanja, C. Borgmann, J. Agramunt, A. Algora, D. Beck*, K. Blaum, C. Böhm, M. Breitenfeldt, T. E. Cocolios, L. M. Fraile, F. Herfurth*, A. Herlert, M. Kowalska, S. Kreim, D. Lunney, V. Manea, E. Minaya Ramirez*, S. Naimi, D. Neidherr*, M. Rosenbusch, L. Schweikhard, G. Simpson, F. Wienholtz, R. N. Wolf, and K. Zuber. Mass spectrometry and decay spectroscopy of isomers across the Z=82 shell closure. *Physical review / C*, 88(5):054304, 2013. doi: 10.1103/PhysRevC.88.054304.

- [223] J. Struckmeier*. Generalized U(N) gauge transformations in the realm of the extended covariant Hamilton formalism of field theory. *Journal of physics / G*, 40:015007, 2013. doi: 10.1088/0954-3899/40/1/015007.
- [224] Y. Suwa, T. Takiwaki, K. Kotake, T. Fischer*, M. Liebendörfer, and K. Sato. ON THE IMPORTANCE OF THE EQUATION OF STATE FOR THE NEUTRINO-DRIVEN SUPERNOVA EXPLOSION MECHANISM. *The astrophysical journal / 1*, 764(1):99, 2013. doi: 10.1088/0004-637X/764/1/99.
- [225] P. Szwangruber*, E. Floch*, F. Toral, and T. Weiland. Three-Dimensional Quench Calculations for the FAIR Super-FRS Main Dipole. *IEEE transactions on applied superconductivity*, 23(3):4701704 – 4701704, 2013. doi: 10.1109/TASC.2013.2243198.
- [226] G. Tagliente, P. M. Milazzo, K. Fujii, U. Abbondanno, G. Aerts, H. Álvarez, F. Alvarez-Velarde, S. Andriamonje, J. Andrzejewski, L. Audouin, G. Badurek, P. Baumann, F. Bečvář, F. Belloni, E. Berthoumieux, F. Calviño, M. Calviani, D. Cano-Ott, R. Capote, C. Carrapiço, P. Cennini, V. Chepel, E. Chiaverri, N. Colonna, G. Cortes, A. Couture, M. Dahlfors, S. David, I. Dillmann*, C. Domingo-Pardo*, W. Dridi, I. Duran, C. Eleftheriadis, M. Embid-Segura, A. Ferrari, R. Ferreira-Marques, W. Furman, I. Goncalves, E. Gonzalez-Romero, F. Gramegna, C. Guerrero, F. Gunsing, B. Haas, R. Haight, M. Heil*, A. Herrera-Martinez, E. Jericha, F. Käppeler, Y. Kadi, D. Karadimos, D. Karamanis, M. Kerweno, E. Kossionides, M. Krčička, C. Lamboudis, H. Leeb, A. Lindote, I. Lopes, S. Lukic, J. Marganec*, S. Marrone, T. Martínez, C. Massimi, P. Mastinu, A. Mengoni, C. Moreau, M. Mosconi, F. Neves, H. Oberhummer, S. O’Brien, C. Papachristodoulou, C. Papadopoulos, C. Paradela, N. Patronis, A. Pavlik, P. Pavlopoulos, L. Perrot, M. T. Pigni, R. Plag*, A. Plompen, A. Plukis, A. Poch, J. Praena, C. Pretel, J. Quesada, R. Reifarth*, M. Rosetti, C. Rubbia, G. Rudolf, P. Rullhusen, J. Salgado, C. Santos, L. Sarchiapone, I. Savvidis, C. Stephan, J. L. Tain, L. Tassan-Got, L. Tavora, R. Terlizzi, G. Vannini, P. Vaz, A. Ventura, D. Villamarin, M. C. Vincente, V. Vlachoudis, R. Vlastou, F. Voss, S. Walter, M. Wiescher, and K. Wisshak. The $^{93}\text{Zr}(n, \gamma)$ reaction up to 8 keV neutron energy. *Physical review / C*, 87(1):014622, 2013. doi: 10.1103/PhysRevC.87.014622.
- [227] Y. K. Tanaka, S. Friedrich, H. Fujioka, H. Geissel*, R. S. Hayano, S. Hirenzaki, K. Itahashi, S. Itoh, D. Jido, V. Metag, H. Nagahiro, M. Nanova, T. Nishi, K. Okochi, H. Ota, K. Suzuki, T. Suzuki, and H. Weick*. Spectroscopy of η' Mesic Nuclei with (p, d) Reaction. *Few-body systems*, 54(7-10):1263 – 1266, 08/20/2012 - 08/25/2012 2013. doi: 10.1007/s00601-012-0589-6.
- [228] I. Tews, T. Krüger, K. Hebeler*, and A. Schwenk*. Neutron Matter at Next-to-Next-to-Next-to-Leading Order in Chiral Effective Field Theory. *Physical review letters*, 110(3):032504, 2013. doi: 10.1103/PhysRevLett.110.032504.
- [229] Y. Togano*, Y. Yamada, N. Iwasa, K. Yamada, and T. Motobayashi. Hindered Proton Collectivity in the Proton-rich Nucleus ^{28}S : Possible Magic Number at Z=16. *Acta physica Polonica / B*, 44(3):475 – 478, 08/27/2012 - 09/02/2012 2013. doi: 10.5506/APhysPolB.44.475.
- [230] A. Türler and V. Pershina-Naegele*. Advances in the Production and Chemistry of the Heaviest Elements. *Chemical reviews*, 113(2):1237 – 1312, 2013. doi: 10.1021/cr3002438.
- [231] J. Łukasik, P. Pawłowski, A. Budzanowski, B. Czech, I. Skwirczyńska, J. Brzychczyk, M. Adamczyk, S. Kupny, P. Lasko, Z. Sosin, A. Wieloch, M. Kiš*, Y. Leifels*, and W. Trautmann*. KRATTA, a versatile triple telescope array for charged reaction products. *Nuclear instruments & methods in physics research / A*, 709:120 – 128, 2013. doi: 10.1016/j.nima.2013.01.029.
- [232] A. Vascon, S. Santi, A. A. Isse, A. Kühnle, T. Reich, J. Drebert, C. Düllmann*, and K. Eberhardt. Smooth crack-free targets for nuclear applications produced by molecular plating. *Nuclear instruments & methods in physics research / A*, 714:163 – 175, 2013. doi: 10.1016/j.nima.2013.03.003.

- [233] A. Vascon, N. Wiehl, T. Reich, J. Drebert, K. Eberhardt, and C. E. Düllmann*. The performance of thin layers produced by molecular plating as α -particle sources. *Nuclear instruments & methods in physics research / A*, 721:35 – 44, 2013. doi: 10.1016/j.nima.2013.04.050.
- [234] G. Volpini, F. Alessandria, G. Bellomo, P. Fabbriatore, S. Farinon, U. Gambardella, G. Manfreda, R. Musenich, M. Quadrio, and M. Sorbi. AC Losses Measurement of the DISCORAP Model Dipole Magnet for the SIS 300 Synchrotron at FAIR. *IEEE transactions on applied superconductivity*, PP(89): 1 – 1, 2013. doi: 10.1109/TASC.2013.2280733.
- [235] N. Warr, J. Walle, M. Albers, F. Ames, B. Bastin, C. Bauer, V. Bildstein, A. Blazhev, S. Bönig, N. Bree, B. Bruyneel, P. A. Butler, J. Cederkäll, E. Clément, T. E. Cocolios, T. Davinson, H. Witte, P. Delahaye, D. D. DiJulio, J. Diriken, J. Eberth, A. Ekström, J. Elseviers, S. Emhofer, D. V. Fedorov, V. N. Fedoseev, S. Franchoo, C. Fransen, L. P. Gaffney, J. Gerl*, G. Georgiev, R. Gernhäuser, T. Grahn, D. Habs, H. Hess, A. M. Hurst, M. Huysse, O. Ivanov, J. Iwanicki, D. G. Jenkins, J. Jolie, N. Kesteloot, O. Kester, U. Köster, M. Krauth, T. Kröll, R. Krücken, M. Lauer, J. Leske, K. P. Lieb, R. Lutter, L. Maier, B. A. Marsh, D. Mücher, M. Münch, O. Niedermaier, J. Pakarinen, M. Pantea, G. Pascovici, N. Patronis, D. Pauwels, A. Petts, N. Pietralla, R. Raabe, E. Rapisarda, P. Reiter, A. Richter, O. Schaile, M. Scheck, H. Scheit, G. Schrieder, D. Schwalm, M. Seidlitz, M. Seliverstov, T. Sieber, H. Simon, K. Speidel, C. Stahl, I. Stefanescu, P. G. Thirolf, H. Thomas, M. Thürauf, P. Duppen, D. Voulot, R. Wadsworth, G. Walter, D. Weißhaar, F. Wenander, A. Wiens, K. Wimmer, B. H. Wolf, P. J. Woods, K. Wrzosek-Lipska, and K. O. Zell. The Miniball spectrometer. *The European physical journal / A*, 49(3):40, 2013. doi: 10.1140/epja/i2013-13040-9.
- [236] H. Watanabe, G. Lorusso, S. Nishimura, Z. Y. Xu, T. Sumikama, P.-A. Söderström, P. Doornenbal, F. Browne, G. Gey, H. S. Jung, J. Taprogge, Z. Vajta, J. Wu, A. Yagi, H. Baba, G. Benzoni, K. Y. Chae, F. C. L. Crespi, N. Fukuda, R. Gernhäuser, N. Inabe, T. Isobe, A. Jungclaus, D. Kameda, G. D. Kim, Y. K. Kim, I. Kojouharov*, F. G. Kondev, T. Kubo, N. Kurz*, Y. K. Kwon, G. J. Lane, Z. Li, C.-B. Moon, A. Montaner-Pizá, K. Moschner, F. Naqvi, M. Niikura, H. Nishibata, D. Nishimura, A. Odahara, R. Orlandi, Z. Patel, Z. Podolyák, H. Sakurai, H. Schaffner*, G. S. Simpson, K. Steiger, H. Suzuki, H. Takeda, A. Wendt, and K. Yoshinaga. Isomers in ^{128}Pd and ^{126}Pd : Evidence for a Robust Shell Closure at the Neutron Magic Number 82 in Exotic Palladium Isotopes. *Physical review letters*, 111(15):152501, 2013. doi: 10.1103/PhysRevLett.111.152501.
- [237] E. Wilson, Z. Podolyák, B. Fornal, R. V. F. Janssens, M. Bowry, M. Bunce, M. P. Carpenter, C. J. Chiara, N. Cieplicka, A. Y. Deo, G. D. Dracoulis, H. Grawe*, C. R. Hoffman, R. S. Kempley, F. G. Kondev, G. J. Lane, T. Lauritsen, M. W. Reed, P. H. Regan, C. Rodríguez Triguero, B. Szpak, P. M. Walker, and S. Zhu. Core Excitations Across the Neutron Shell Gap in ^{207}Tl . *Acta physica Polonica / B*, 44(3):381 – 385, 2013. doi: 10.5506/APhysPolB.44.381.
- [238] J. S. Winfield*, H. Geissel*, J. Gerl*, G. Münzenberg*, C. Nociforo*, W. R. Plaß*, C. Scheidenberger*, H. Weick*, M. Winkler*, and M. I. Yavor. A versatile high-resolution magnetic spectrometer for energy compression, reaction studies and nuclear spectroscopy. *Nuclear instruments & methods in physics research / A*, 704:76 – 83, 2013. doi: 10.1016/j.nima.2012.11.186.
- [239] R. Wirth*, E. Fiori*, B. Löher*, D. Savran*, J. Silva*, H. Álvarez Pol, D. Cortina Gil, B. Pietras, T. Bloch, T. Kröll, E. Nácher, Á. Perea, O. Tengblad, M. Bendel, M. Dierigl, R. Gernhäuser, T. Le Bleis, and M. Winkel. Particle identification using clustering algorithms. *Nuclear instruments & methods in physics research / A*, 717:77 – 82, 2013. doi: 10.1016/j.nima.2013.04.006.
- [240] H. De Witte, S. Eeckhauudt, A. N. Andreyev, I. N. Borzov, J. Cederkäll, A. De Smet, D. V. Fedorov, V. N. Fedoseyev, S. Franchoo, M. Górska, H. Grawe*, G. Huber, M. Huysse, Z. Janas, U. Köster, W. Kurcewicz, J. Kurpeta, A. Płochocki, K. Van de Vel, P. Van Duppen, and L. Weissman. β^- decay of the neutron-rich isotope ^{215}Pb . *Physical review / C*, 87(6):067303, 2013. doi: 10.1103/PhysRevC.87.067303.

- [241] R. N. Wolf, D. Beck*, K. Blaum, C. Böhm, C. Borgmann, M. Breitenfeldt, N. Chamel, S. Goriely, F. Herfurth*, M. Kowalska, S. Kreim, D. Lunney, V. Manea, E. Minaya Ramirez*, S. Naimi, D. Neidherr*, M. Rosenbusch, L. Schweikhard, J. Stanja, F. Wienholtz, and K. Zuber. Plumbing Neutron Stars to New Depths with the Binding Energy of the Exotic Nuclide ^{82}Zn . *Physical review letters*, 110(4):041101, 2013. doi: 10.1103/PhysRevLett.110.041101.
- [242] C. Z. Xiang, N. Herrmann, I. Deppner, P. Loizeau, K. Wisniewski, Y. P. Zhang, D. C. Zhou, J. Frühauf*, S. Linev*, S. Manz*, and W. F. J. Müller*. The online data pre-processing for CBM-TOF. *Journal of Instrumentation*, 8(02):P02002 – P02002, 2013. doi: 10.1088/1748-0221/8/02/P02002.
- [243] C. Xiao, O. Kester*, L. Groening*, H. Leibrock*, M. Maier*, and P. Rottländer*. Single-knob beam line for transverse emittance partitioning. *Physical review / Special topics / Accelerators and beams*, 16(4):044201, 2013. doi: 10.1103/PhysRevSTAB.16.044201.
- [244] Y. Xu, K. Takahashi*, S. Goriely, M. Arnould, M. Ohta, and H. Utsunomiya. NACRE II: an update of the NACRE compilation of charged-particle-induced thermonuclear reaction rates for nuclei with mass number $A \leq 16$. *Nuclear physics / A*, 918:61 – 169, 2013. doi: 10.1016/j.nuclphysa.2013.09.007.
- [245] Q. Zhi*, E. Caurier, J. J. Cuenca-García*, K. Langanke*, G. Martínez-Pinedo*, and K. Sieja. Shell-model half-lives including first-forbidden contributions for r-process waiting-point nuclei. *Physical review / C*, 87(2):025803, 2013. doi: 10.1103/PhysRevC.87.025803.