

## Experiments performed at the GSI accelerators in 2014

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In all tables 1 shift represents 8 hours of beam delivered to an experiment including necessary accelerator tuning time.

Exp	Short title	Spokesperson	Area	Ion	Shifts
U182	CO chemistry with Sg	Kratz/ Düllmann/ Even	X8	<sup>22</sup> Ne	13
U207	Laser spectroscopy of Nobelium	Backe/ Block	Y7	<sup>48</sup> Ca	25
U249	R&D on advanced diamond detectors	Kis	X0	C	14
U259	Chemistry Z=114	Düllmann	X8	<sup>48</sup> Ca, <sup>50</sup> Ti	59
U263	Study of shell effects in the system U+U	Heinz	Z7	U	20
U275	Plasmastrripper	Xu Jacoby	Z6	Bi, Au	23
U277	Reaction Studies	Heinz	Y6	Xe	25
U278	Decay properties of Db-258	Andersson/ Heßberger	Y7	<sup>50</sup> Ti	48
U279	Single Event Transient Measurements in Asynchronous Logic for project FATAL	Schweiger/ Zimmermann/ Voss	X0	Ti	32
U280	Heavy Ion Stopping in Laser-Plasmas	Rosmej	Z6	Ti, Ca	17
U281	Ion energy loss at maximum stopping power in a laser-generated plasma	Cayzac/ Blazevic	Z6	N	20
U282	Interaction of heavy ions with dense plasma	Ortner/ Blazevic	Z6	Ca	22
UBIO	RadBio Experiments	Friedrich/ Scholz	X0, X6	C, Au, U	28
UMAT	Material science	Severin/ Trautmann	X0, M1, M3	C, Sm, Bi, Au, U	443

E082	beta decay	Litvinov	ESR	<sup>152</sup> Sm	36
E098	Channeling in Cave A	Bräuning-Demian	ESR/HTA	U	13
E101	Hyperfine-splitting of Be-like Bismuth	Nörtershäuser	ESR	BI	38
E103	Towards the Observation of Quasi-Molecular Radiation	Gumberidze	ESR	<sup>132</sup> Xe	30
E108	ESR (p,gamma)	Reifarth/Heil	ESR	<sup>124</sup> Xe	9

E111	Measurement of Breit interaction	Trotsenko	ESR	Au	31
E120	HITRAP commissioning	Herfurth/Steck	ESR	N, Ne	56
S333	HADES pion beam	Salabura	HAD	N (pions)	64
S386	PANDA-DIRC	Schwarz	HTC	p, N (pions)	10
S401	CBM-detector tests	Heuser/Kis	HAD/HTC	Ca, Ni	10
S417	SFRS development	Nociforo/Simon	FRS	Ni, Au, U	12
S419	Umbrella test for DESPEC	Algora	FRS	Xe	6
S426	AGATA 85Br	Pietralla/Gerl	FRS	<sup>86</sup> Kr	14
S431	Agata campaign	Gerl	FRS	U	13
S434	Agata campaign	Gerl	FRS	Ni	24
S436	tensor force	Tanihata	FRS	p, C	35
S437	eta prime	Itahashi/Fujio ka	FRS	p	12
S438	Test R3B GLAD	Aumann / Simon	FRS/HTC	U	40
S439	PRIOR	Varentsov	HHT	p	27
SBIO	Investigations on therapy of atrial fibrillation	Durante	HTM	C, Fe	51
SESA	Space related radiation bio- physics	Durante	HTA/HTM	Xe	1
SMAT	Material science	Trautmann	HTA	Bi, Sm, Au, U	53