

**Recommendations of G-PAC44 (26.-28. August 2020)**

Proposal ID	Title of Experiment	Spokesperson	G-PAC 44 ranking	main	secondary	parasitic
<b>CBM / HADES @ SIS18</b>						
S514	mCBM@SIS18 2021/22	Norbert Herrmann	A	21	39	0
S518	HADES - III	Joachim Stroth	A	88	0	0
<b>NUSTAR / R3B @ SIS18</b>						
S494	Coulomb Dissociation of $^{16}\text{O}$ into $^{12}\text{C}$ and $4\text{He}$	K. Göbel, M. Heil, R. Reifa	A	54	0	0
<b>NUSTAR / R3B @ FRS</b>						
S455	S455: Fission investigated with relativistic-radioactive beams and the advanced SOFIA@R3B setup	Julien TAIEB	A	21	0	15
S509	Study of drip-line phenomena in neutron-rich nuclei	O. Sorlin	A	18	0	0
S515	Constraining energy-density functionals and the density-dependence of the symmetry energy by measurements of accurate cross-sections	Thomas Aumann	A	15	3	0
<b>NUSTAR / HISPEC_DESPEC @ FRS</b>						
S450	Study of $N=126$ nuclei: isomeric and beta decays in $^{202}\text{Os}$ and $^{203}\text{Ir}$	Zsolt Podolyak	A	18	0	6
S460	Investigation of $^{220}\text{Ac}$ - $^{230}\text{Po}$ -Fr nuclei lying in the south-east frontier of the $A\sim 225$ island of octupole deformation	Giovanna Benzoni	A	16	0	0
S496	Core-breaking in the most neutron-deficient Tin isotopes	Guangxin Zhang	A	30	0	0
S505	Investigation of the beta-strength crossing $N=126$ and the formation of the 3rd r-process abundance peak	Jose L. Tain	A	20	0	0
S452	The Prolate-Oblate Shape Transition around $A\sim 190$	Volker Werner, Patrick H.	A	24	0	0
S497	Test of the beam tracking and identification for HISPEC-10	Jelena Vesic	A	0	0	12
S506	Testing of a segmented planar detector as an implant detector for measurement of low energy transitions in nuclei around $N=126$	Rudrajyoti Palit	A	0	6	0
S470	Test of an HISPEC TEGIC detector for Low Energy Branch experiments	Stephane Pietri	A	0	0	6
<b>NUSTAR / S-FRS Collab @ FRS</b>						
S479	Test of calorimetric low-temperature detectors (CLTDs) for the detection of heavy ions at intermediate and high ion energies for	Saskia Kraft-Bermuth	A	0	0	18
S447	Studies of the $\pi^+\pi^-\pi^0$ signal and lifetime of the $\Lambda(1520)$ and $\Lambda(1520)$ hypernuclei by new spectroscopy techniques	Takehiko Saito	A	27	0	18
S490	Search for $\pi^+\pi^-\pi^0$ -mesic nuclei in $^{12}\text{C}(p,dp)$ reaction	Kenta Itahashi, Dr.	A	18	0	0
S526	Direct mass measurements of heavy $N=Z$ and $N=Z-1$ nuclides	Wolfgang R. Plass	A	11	0	0
S530	Fission isomer studies with the FRS	Timo Dickel	A	10	0	0
S511	FRS developments for NUSTAR experiments: Performance improvements and R&D work with heavy-ion beams	Christoph Scheidenberge	A	7	0	0
S529	Depth profiling of activity induced by heavy ions	Peter Katrik	A	0	0	10
<b>NUSTAR / S-FRS Collab @ UNILAC</b>						
U316	Test of calorimetric low-temperature detectors (CLTDs) for the detection of heavy ions at intermediate and high ion energies for	Saskia Kraft-Bermuth	A	0	0	27
<b>NUSTAR / SHE @ UNILAC</b>						
U317	Chemical studies of the superheavy element $Z=115$	Alexander Yakushev	A	84	20	0
U318	Final beam commissioning and first scientific experiments with an Adsorption-based Nuclear Spectroscopy Without Evaporation	Khuyagbaatar Jadamba	A	20	20	0
U319	Discovery and Spectroscopy of Neutron-Deficient Pu Isotopes and their Alpha-Decay Daughters	Daniel Cox	A	15	27	0
U321	Laser spectroscopy of fermium, nobelium and lawrencium around $N=152$	Sebastian Raeder	A	60	60	0
U324	High-precision direct mass measurements of ground states and low-lying isomers in heavy and superheavy isotopes with SHIPTRAP	Francesca Giacoppo	A	43	20	52
<b>NUSTAR / ILIMA @ ESR</b>						
E143	Search for the nuclear two-photon decay in swift fully-stripped heavy ions	Wolfram KORTEN	A	6	0	0
<b>APPA/SPARC @ ESR</b>						
E137	Energy determination of the $1s2\ 2s1/2$ to $1s2\ 2p3/2$	Angela Braeuning-Demia	A	18	0	0
E142	Nuclear Hyperfine Mixing in $^{229}\text{Th}^{89+}$ - Storage Ring Studies of an Orders-Of-Magnitude Accelerated Nuclear Decay	Carsten Brandau	A	36	0	0
E128	Dielectronic Recombination-assisted laser spectroscopy: a new tool to investigate the hyperfine-puzzle in $\text{Bi}^{80+}$ - $\text{Bi}^{82+}$	Wilfried Nörtershäuser	A	20	0	0
<b>APPA/SPARC @ CRYRING via ESR / FRS</b>						
E131	Precision collision spectroscopy of Be-like ions at the CRYRING@ESR electron cooler	Stefan Schippers	A	27	0	0
E149	Commissioning and First Storage Ring Experiments of the CRYRING Transverse Electron Target	Carsten Brandau	A	32	0	0
E138	E138 The Ground-State Lamb Shift in the Heaviest Hydrogen-like Ion ( $\text{U}^{91+}$ ): High Resolution X-ray Spectroscopy at the CRYRING ESR	Günter Weber	A	42	0	0
<b>APPA/SPARC @ CRYRING with internal ion source</b>						
E151	Measurement of the astrophysically relevant alpha-capture reaction rate $^{44}\text{Ti}$ to $^{47}\text{V}$	Oliver Forstner	A	57	0	0
E129	Photoionization of $\text{C}^+$ ions at CRYRING	Jan Rothhardt	A	20	0	0
E154	High-Resolution Spectroscopy of Charge Exchange Between Highly Charged Ions and Molecular Hydrogen for Laboratory Astrophysics	Sven Bernitt	A	40	0	0