

**List of proposals with FRS as of 12.Oct 2010, from data base of G-PAC on WWW**

red = still needs/will need correction by November

= requires FRS

= possibly with FRS or only optional

no.	spokesperson	title	shifts main	shifts parasitic
	<b>SIS+FRS+ESR</b>			
E040	Schatz, Hendrik	Nuclear Astrophysics Studies at the FRS-ESR: Ground State and Decay Properties of Neutron-Rich Nuclei in the $1.8 \leq Z \leq 2.8$ Sn Region	20	
E055	Scheidenberger, C.	Experimental program for direct mass measurements at FRS-ESR using isochronous and time-resolved Schottky mass spectrometry	2	
E073	Musumarra, Agatino	Electron Screening and alpha-decay	31	
E078	Litvinov, Yuri	Influence of hyperfine interaction on the nuclear electron capture decay	21	
E079	Brandau, C. C. Kozhuharov, AP Division, GSI	Isotope shift in the dielectronic recombination of L-shell ions	26	
E082	Litvinov, Yuri F. Bosch	Single-Ion Spectroscopy of Two-Body beta-Decays	0	
E084	Knöbel, Ronja Baohua Sun	Mass measurements of neutron-deficient short-lived nuclides	42	
E086	Faestermann, T. Carsten Brandau	Test of the ESR as High Resolution Spectrometer for Knockout Reactions aiming at NESR Experiments	9	
E087	Woods, P. J.	Breakout from the hot CNO cycles in X-ray bursters: determination of the $^{15}\text{O}(\alpha, \gamma)^{19}\text{Ne}$ reaction rate via a (p,t) study on the NESR	24	
E096	Brandau, C. Christophor Kozhuharov, Alfred Müller	Dielectronic Recombination of Heavy Three-Electron Radioisotopes	5	
E109	P. Walker	Exploring long-living K isomers via Schottky mass spectrometry at the ESR	21	
E100	F. Bosch	Measurement of the bound-state beta decay of bare $^{205}\text{Tl}$ ions Proposal for an experiment	18	
E105	N. Kalantar	Start up of part of the EXL physics program with $^{56}\text{Ni}$	42	
E108	R. Reifarh	ESR measurements of proton- and alpha-induced reaction rates in the Gamow window of the astrophysical p process	12	
sum			273	0

**only SIS+FRS**

S258	Savard, Guy	Experiments on the conceptual design of a gas-catcher system at the FRS	38	
S272	Tanihata, Isao Rituparna Kanungo	Determination of matter density distribution for neutron rich Ni isotopes by proton elastic scattering (section A) and interaction cross section (section B) measurements	8.2	
S275	Portillo, M.	Penetration of heavy ions through matter in the energy range (40...100) MeV/u	15	
S306	Datta Pramanik, Ushasi	Investigation of inversion of $\nu d 3/2 - \nu f 7/2$ , $p 3/2$ , $1/2$ orbitals in neutron-rich nuclei around $N=20$ shell closure	18	
S312	Benlliure, J.	beta-decay lifetimes, beta-delayed spectroscopy studies and collective evolution "south" of $^{208}\text{Pb}$	2.2	
S316	Fujita, Y.	Isospin symmetry of transitions probed by weak and strong interactions: the beta decay of $^{55}\text{Fe}$ , $^{54}\text{Ni}$ , $^{50}\text{Fe}$ , $^{46}\text{Cr}$	4	
S322	Kanungo, Rituparna	Measurement of one-neutron removal momentum distribution and interaction cross section in the island of inversion around $N=20$	2	
S323	Montes, Fernando A.	Beta-decay of very neutron-rich Rh, Pd, Ag nuclei including the r-process waiting point $^{128}\text{Pd}$	18	6
S326	Gadea, A.	Proton-Neutron pairing effects in the beta decay of $^{62}\text{Ge}$ and $^{70}\text{Kr}$ GSI Proposal for the Rising Stopped Beam campaign	4	
S327	Boretzky, Konstanze	The dipole response of proton-rich nuclei -- pygmy and giant resonances in $^{32}\text{Ar}$ and $^{34}\text{Ar}$	3.9	
S328	Benlliure, J.	R&D on fast-timing RPC for relativistic heavy-ion identification	0	9
S334	Wilfinger, Roman	Study of thermal stress waves induced by relativistic heavy ions beams in graphite	3	10
S337	Gadea, A.	Structure of $^{132}\text{In}$ populated in the beta-decay of $^{132}\text{Cd}$ : the $\nu f 7/2$ $\pi g 9/2 - 1$ multiplet on the doubly magic $^{132}\text{Sn}$ core	6	
S344	Simpson, Gary R. Lozeva	Measurements of high-spin microsecond isomers near $^{132}\text{Sn}$	6	
S347	Podolyak, Zsolt	Along the $N=126$ closed shell	22.6	
S350	Benzoni, Giovanna Jose Javier Valiente Dobon	MOVING ALONG $Z=82$ , BEYOND THE DOUBLY-MAGIC $^{208}\text{Pb}$ NUCLEUS	3	6
S352	Blazhev, Andrey Wadsworth, R., Univ. York	Study of $N \gg Z$ proton dripline nuclei $^{96}\text{Zn}$ , $^{97}\text{Zn}$ , $^{98}\text{Cd}$	15	9
S353	Caceres, Lucia Regan, P., Univ. Surrey, UK	Structure of the odd-odd $N=Z$ nuclei in the vicinity of $^{100}\text{Sn}$ : high spin isomers in $^{90}\text{Rh}$ studied through GT beta-decay	21	6
S358	Khanzadeev, Alexey Prof. Dr. Peter Egelhof, GSI	Study of the nuclear spatial structure of neutron-rich B and C isotopes by proton elastic scattering in inverse kinematics	38.8	

S361	Bruce, Alison M.	Shape evolution near 106Zr (last PAC: Cat. C)	6	5
S363	Bentley, Michael C. Fahlander	Commissioning of the LYCCA Spectrometer: Preparation for exotic nuclear spectroscopy at HISPEC	0	30
S364	Benlliure, J.	Access to proton and neutron radial distributions using delta-resonance excitation in isobar charge-exchange reactions	15	
S365	Datta Pramanik, Ushasi	Luminescence production by high energy proton and heavy charged particle irradiations of meteorites (1)	0	6
S369	Jan Jolie, N. Marginean	Investigation of the origin of mixed-symmetry states using relativistic Coulomb excitation of N=52 isotones	15	0
S372	Joakim Cederkall, Magda Gorska	Relativistic Coulomb Excitation of Neutron Deficient Isotopes in the 100Sn region.	15	0
S375	Andrea Jungclaus, Andrew Stuchbery	Calibration of the transient field strength experienced by heavy ions recoiling through ferromagnetic hosts at relativistic energies	0	30
S376	Christoph Fransen, Alfred Dewald	Commissioning experiment on 122Cd with the Cologne differential plunger	0	21
S377	Reiter, Peter	Neutron-deficient sd-shell nuclei and mirror symmetry at the proton drip line	15	
S378	Obertelli, Alexandre	Characterization of the H2-target setup at PRESPEC	0	20
S387	Marrocchesi, Pier Simone Maestro Paolo	Charge identification of heavy ions with a pixelated silicon array telescope	0	24
S388	Mukha, Ivan	Search for proton-unbound 69Br, 73Rb and 30Ar isotopes with microstrip-detector tracking technique at FRS	18	
S389	Wiescher, Michael Michael Heil	Measurement of 59Fe(n,g)60Fe using the Coulomb Dissociation Method	18	
S390	Zhong, Liu T. Davinson, S. Rinta-Antila, R.D. Page	In-beam Test of the Prototype AIDA Detector System for DESPEC	0	27
S391	Bentley, Michael	PRESPEC Technical Summary and Commissioning Request	0	30
S392	Kurcewicz, Jan Stephan Pietri	Investigation of New Isotopes produced with a High-Intensity Uranium Beam in the Element Range from Hf to Np	10	
S393	Aumann, T.	Neutron-rich Nuclei at and Beyond the Dripline in the Range Z=4 to Z=10 Studied in Kinematically Complete Measurements of Direct Reactions at Relativistic Ener.	50	
S394	Lemmon, R. C.	Constraining the Symmetry Energy at Supra-Saturation Densities with Measurements of Neutron and Proton Elliptic Flows	47.1	
S395	Kanungo, Rituparna Isao Tanihata	Determination of proton radii and neutron skin thickness of p-sd shell nuclei by Charge Changing Cross Section measurement	24	
S405	R. Reifarh	64Ni(p,n) reaction measurements in inverse kinematics at the LAND/R3B setup in Cave	24	
S406	K. Boretzky	Characterization of NeuLAND prototypes and the LAND detector using fast monoenergetic	15	
S408	A. Krasznahorkay	Constraining the symmetry energy of the EoS by precise neutron-skin thickness measu	12	
S410	C. Domingo-Pardo	Measurement of beta-delayed neutrons around the third r-process peak	21	
S411	S. Purushothaman, P. Dendooven	Commissioning of the First-Generation Cryogenic Stopping Cell for the Low-Energy Branch of the Super-FRS	21	
S412	T. Aumann	Isvector and isoscalar electric dipole and quadrupole response of neutron-rich Sn nuclei	54	
sum			608.8	239