

	SESSION I	Chair: R. Julin (U. Jyväskylä)
09:00 – 09:10	Welcome Addresses (S. Harissopulos and R. Julin)	
09:10 – 09:40	J. Äystö (U. Jyväskylä): Penning Trap Mass Spectrometry of Exotic Nuclei	Inv. Talk
09:40 – 10:10	R.-D. Herzberg (U. Liverpool): In-beam and Decay Spectroscopy of superheavy nuclei	Inv. Talk
10:10 – 10:30	T. Otsuka (U. Tokyo): Shell evolution in exotic nuclei	Inv. Contribution
10:30 – 10:45	P. Chowdhury (U. Massachusetts Lowell): Spectroscopy of Neutron-rich Plutonium Nuclei	
10:45 – 11:00	B. Sulignano (CEA/Irfu, Saclay): MUSETT and the Spectroscopy of Heavy Elements at GANIL	
11:00 – 11:30	Coffee break	
	SESSION II	Chair: H. Fynbo (Aarhus U.)
11:30 – 12:00	J. Kurcewicz (GSI): New isotope production around the 3rd r-process peak	Inv. Talk
12:00 – 12:20	T. Kajino (NAO/U. Tokyo): Nuclear Weak Interactions and Supernova Neutrino- and R-Processes	Inv. Contribution
12:20 – 12:35	P. Sarriguren (CSIC/Madrid): Weak decay rates for neutron deficient medium-mass isotopes relevant for the rp-Processes	
12:35 – 12:50	T. Suzuki (Nihon Univ.): Electron capture reactions and beta decays in stellar environments	
12:50 – 13:05	C. Gustavino (INFN-Roma): The impact of LUNA results on Astroparticle Physics	
	Lunch break	
	SESSION III	Chair: J. Billowes (U. Manchester)
16:00 – 16:30	K. Flanagan (U. Manchester): Laser spectroscopy - present and future at ISOLDE	Inv. Talk
16:30 – 16:45	N. Paar (U. Zagreb): Exotic modes of excitation and weak interaction rates at finite temperature	
16:45 – 17:00	A. Corsi (U. Milano & INFN): Measurement of isospin mixing in ^{80}Zr at finite temperature	
17:00 – 17:15	L. Audirac (CENBG): Experimental studies of an exotic decay mode at the proton drip-line: the two-proton radioactivity	
17:15 – 17:30	I. Mukha (GSI): Studies of nuclei beyond the proton drip line by tracking techniques	
17:30 – 18:00	Coffee break	
	SESSION IV	Chair: P. Demetriou (NCSR "Demokritos")
18:00 – 18:30	N. Kalantar-Nayestanaki (KVI): The EXL expm. @ FAIR and plans with the ESR @ GSI	Inv. Talk
18:30 – 18:45	A. Cowley (Stellenbosch Univ.): Incident-energy dependent quenching of the analyzing power in pre-equilibrium composite particle emission	
18:45 – 19:00	V. O. Nesterenko (JINR Dubna): Description of Magnetic Giant Resonances with Skyrme Forces	
19:00 – 20:00	POSTER SESSION	

SESSION V		Chair: A. Lefebvre-Schuhl (CSNSM Orsay)
09:00 – 09:30	F. de Oliveira Santos (GANIL): Nuclear astrophysics with light nuclei at GANIL	Inv. Talk
09:30 – 10:00	S. Romano (LNS & U. Catania): The Trojan Horse Method and its Applications in Nuclear Astrophysics and in Nuclear Physics: Recent Results.	Inv. Talk
10:00 – 10:20	S. Goriely (ULB Brussels): The r-process nucleosynthesis during the decompression of cold neutronised matter	Inv. Contribution
10:20 – 10:40	P. Thirolf (LMU Munich): Fission-Fusion: a new reaction mechanism for Nuclear Astrophysics based on Laser-Ion acceleration	Inv. Contribution
10:40 – 11:00	P. Milazzo (INFN Trieste): Nuclear Astrophysics at CERN n_TOF facility	Inv. Contribution
11:00 – 11:30	Coffee break	
SESSION VI		Chair: D. Morrissey (NCSL, MSU)
11:30 – 12:00	P. Fallon (LBL Berkeley): Lifetime Measurement of the 2^+ State in ^{16}C and ^{20}C: Electromagnetic Transition Rates	Inv. Talk
12:00 – 12:15	S. Lunardi (U. Padova & INFN): A new island of inversion far from stability	
12:15 – 12:30	M. Niikura (IPN Orsay): Lifetime Measurements of Low-lying States in Neutron-rich Zn Isotopes by the Plunger Technique	
12:30 – 12:45	D. Mürcher (TU Munich): Monopole-effects on symmetric and antisymmetric couplings of protons and neutrons	
12:45 – 13:00	W. Rother (U. Cologne): Neutron-rich $^{62,64,66}\text{Fe}$ show enhanced collectivity: The washout of $N=40$ in terms of experiment, valence proton symmetry and shell model	
Lunch break		
SESSION VII		Chair: M. N. Harakeh (KVI & GSI)
16:00 – 16:30	H. Sakurai (RIKEN): New generation of physics with exotic nuclei at RIBF	Inv. Talk
16:30 – 17:00	H. Simon (GSI): Light exotic systems at relativistic velocities	Inv. Talk
17:00 – 17:15	J. Cseh (ATOMKI): Exotic shapes and exotic clusterization	
17:15 – 17:30	L. S. Ferreira (CFIF/IST, Lisbon): Assigning γ deformation from fine structure in exotic nuclei	
17:30 – 17:45	C. Nociforo (GSI): 1n-removal reactions around $N=20$ shell closure	
17:45 – 18:00	E. Ganioglu (Istanbul Univ.): Gamow-Teller Transitions Starting from $T_z = +3/2$ Nucleus ^{47}Ti	
18:00 – 18:15	M. M. Sharma (Kuwait Univ.): Exotic structures near the drip lines	
18:30 – 20:30	POSTER COMPETITION SESSION WITH RECEPTION <i>Selection of the best theory poster and the best experiment poster by the poster award selection committee</i>	

SESSION VIII		Chair: A. Szanto de Toledo (<i>U. Sao Paolo</i>)
09:00 – 09:30	A. Diaz-Torres (<i>U. Surrey</i>): Coupled-channel density-matrix approach to reaction dynamics	Inv. Talk
09:30 – 10:00	A. Di Pietro (<i>LNS/INFN Catania</i>): Elastic Scattering of Beryllium isotopes at the Coulomb barrier	Inv. Talk
10:00 – 10:15	J. Lubian Rios (<i>UFF, Niterói</i>): Study of the interplay between the ⁸ B breakup and other reaction mechanisms by means of the CDCC method	
10:15 – 10:30	Y. El Masri (<i>UCL</i>): Fission properties of actinide nuclei at energies 26.5 and 62.9 MeV	
10:30 – 10:45	M. Itkis (<i>JINR Dubna</i>): The Entrance Channel effects in fusion-fission and quasi-fission	
10:45 – 11:00	A. Andreyev (<i>U. West of Scotland</i>): Beta-delayed Fission of ¹⁸⁰ Tl	
11:00 – 11:30	Coffee break	
SESSION IX		Chair: J. Äystö (<i>U. Jyväskylä</i>)
11:30 – 12:00	A. Algora (<i>IFIC Valencia</i>): TAS measurements for reactor physics and nuclear structure	Inv. Talk
12:00 – 12:20	M. Fujiwara (<i>RCNP, Osaka Univ.</i>): Measurements of ISGMR in Sn, Cd, and Pb isotopes and the asymmetry of nuclear matter incompressibility	Inv. Contribution
12:20 – 12:40	E. Moya De Guerra (<i>U. Complutense de Madrid</i>): Selected topics on nuclear structure in electroweak processes	Inv. Contribution
12:40 – 13:00	R. Dressler (<i>PSI Villingen</i>): Chemical investigation of element 114: indication for a massive relativistic effect in chemistry	Inv. Contribution
Free Afternoon		



	SESSION X	Chair: H.-W. Becker (RU Bochum)
09:00 – 09:30	K.-H. Langanke (GSI & TU Darmstadt): The FAIR chance for Nuclear Astrophysics	Inv. Talk
09:30 – 10:00	F. Strieder (RU Bochum): Key Reactions in Nuclear Astrophysics: $^{12}\text{C}(\alpha,\gamma)^{16}\text{O}$ and $^{12}\text{C}+^{12}\text{C}$ Fusion	Inv. Talk
10:00 – 10:30	A. Parikh (TU Munich): Improving the $^{33}\text{S}(p,\gamma)^{34}\text{Cl}$ reaction-rate for classical nova explosions	Inv. Talk
10:30 – 10:45	M. La Cognata (LNS & U. Catania): High accuracy $^{18}\text{O}(p,\alpha)^{15}\text{N}$ reaction rate in the 8×10^6 - 5×10^9 K temperature range	
10:45 – 11:00	S. Panebianco (CEA/Irfu, Saclay): Development of a Micromegas TPC for low energy heavy ions measurement for nuclear fission and astrophysics applications	
11:00 – 11:30	Coffee break	
	SESSION XI	Chair: M. Borge (CSIC Madrid)
11:30 – 12:00	A. Gadea (IFIC Valencia): Highly Retarded GT decay to the quasi-deuteron 1^+ state in odd-odd ^{62}Ga : absence of proton-neutron T=0 condensate in the N=Z, A=62 Nucleus	Inv. Talk
12:00 – 12:15	J. Sharpey-Schafer (U. Western Cape): The Structure of excited 0^+ states in nuclei and the effect of the γ degree of freedom	
12:15 – 12:30	P. Garrett (U. Guelph): Mapping Quadrupole collectivity in the Cd isotopes: The breakdown of spherical vibrational motion	
12:30 – 12:45	N. Fotiades (LANL): Study of near-stability nuclei populated as fission fragments in heavy-ion fusion reactions	
12:45 – 13:00	J. Kvasil (Charles Univ.): Electric, magnetic and vorticity strengths in heavier nuclei	
	Lunch break	
	SESSION XII	Chair: M. Guttormsen (U. Oslo)
16:00 – 16:30	S. Hilaire (CEA/DAM, Arpajon): Nuclear ingredients for cross section calculation of exotic nuclei	Inv. Talk
16:30 – 16:45	I. Martel (U. Huelva): Sub-barrier fusion and breakup of light halo nuclei	
16:45 – 17:00	P.R.S. Gomes (UFF, Niterói): Fusion enhancement/suppression and irreversibility in reactions induced by weakly bound nuclei	
17:00 – 17:15	M. Cavallaro (LNS, Catania): Two-neutron excitations in light neutron rich nuclei studied via the ($^{18}\text{O}, ^{16}\text{O}$) reaction at 84 MeV	
17:15 – 17:30	D. Schumann (PSI, Villingen): Extraction of radionuclides from accelerator waste at PSI	
17:30 – 18:00	Coffee break	
	SESSION XIII: Nuclear Physics Projects & Initiatives in FP7	
	Chair: R. Vlastou (NTUA, Athens)	
18:00 – 18:20	M. N. Harakeh (GSI & KVI): Scope of Integrating Activity: European Nuclear Science and Applications Research (ENSAR)	Inv. Contribution
18:20 – 18:40	S. Gales (GANIL) : NuPNET: The ERANet for Nuclear Physics Infrastructures (to be confirmed)	Inv. Contribution
18:40 – 19:00	S. Harissopulos (NCSR "Demokritos"): The LIBRA project	
20:30	Conference Banquet	

SESSION IXV		Chair: A. Zilges (<i>U. Cologne</i>)
09:00 – 09:30	A.-C. Larsen (<i>U. Oslo</i>): Gamma-ray strength functions and their relation to astrophysics	Inv. Talk
09:30 – 09:50	E. Lanza (<i>U. Catania & INFN</i>): On the Nature of the Pygmy Dipole Resonance	Inv. Contribution
09:50 – 10:05	H. Utsunomiya (<i>Konan Univ.</i>): The γ-ray Strength Function Method	
10:05 – 10:20	J. Endres (<i>U. Cologne</i>): Splitting of the Pygmy Dipole Resonance	
10:20 – 10:35	M. Krtička (<i>Charles Univ.</i>): Photon strength functions at the low-energy tail of the GEDR obtained from different reactions	
10:35 – 10:50	O. Tengblad (<i>CSIC Madrid</i>): ^{12}C formation: A Classical Quest in New Light	
10:50 – 11:05	E. Běták (<i>SAS, Bratislava</i>): Influence of Strange Matter Admixtures on Macroscopic Properties of Neutron Stars	
Coffee break		
SESSION XV		Chair: J. Dobaczewski (<i>JYFL</i>)
11:30 – 12:00	H. Sakai (<i>RIKEN & U. Tokyo</i>): First charge-exchange measurements with SHARAQ	Inv. Talk
12:00 – 12:30	G. Hagen (<i>ORNL</i>): Coupled Cluster Approach to Medium Mass and Neutron Rich Nuclei	Inv. Talk
12:30 – 12:45	S. Karataglidis (<i>U. Johannesburg</i>): Recent Advances in Multi-Channel Algebraic Scattering	
12:45 – 13:00	R. Rodríguez-Guzmán (<i>CSIC, Madrid</i>): Charge radii and structural evolution in Sr, Zr and Mo isotopes	
13:00 – 13:15	C. Qi (<i>KTH, Stockholm</i>): Abrupt changes in alpha decay systematics as a manifestation of collective nuclear modes	
Lunch break		
SESSION XVI		Chair: S. Harissopulos (<i>NCSR "Demokritos"</i>)
16:00 – 16:15	H. Akimune (<i>Konan Univ.</i>): M1 and E1 cross sections near threshold in photodisintegration of Deuteron	
16:15 – 16:30	J. Piot (<i>IPHC, Strasbourg</i>): Investigation of ^{246}Fm: In-beam spectroscopy at the limits	
16:30 – 16:45	J. Pakarinen (<i>U. Liverpool</i>): Gamma-ray spectroscopy at the extremes; In-beam study of ^{180}Pb	
16:45 – 17:00	C. Fransen (<i>U. Cologne</i>): Measurement of absolute E2 transition strengths in ^{176}W: Signatures for a rapid shape change	
17:00 – 17:15	D. Cullen (<i>U. Manchester</i>): DPUNS - A Differential-Plunger for Lifetime measurements of Tagged Exotic- and Unbound nuclear states	
17:15 – 17:30	A. Lagoyannis (<i>NCSR "Demokritos"</i>): Alpha-particle capture reactions in inverse kinematics relevant to p-process nucleosynthesis	
17:30	FINUSTAR 3 Closing	