

DREB2009 workshop schedule

16-Dec Wednesday

Time	Title	Speaker	Institution
(d,p) reactions			
8:40-9:00	Even-Parity States in ^{13}B .	J.P. Schiffer	Argonne, USA
9:00-9:20	Results from $d(^{30}\text{Mg}, ^{31}\text{Mg})p$ at REX-ISOLDE.	V. Bildstein	TU Munchen, Germany
9:20-9:40	Single-particle structure close to ^{132}Sn explored through the (d,p) reaction in inverse kinematics.	K.L. Jones	U of Tennessee, USA
9:40-10:00	Changing shell structure in ^{27}Ne probed by neutron transfer on ^{26}Ne in inverse kinematics.	S.M. Brown	U of Surrey, UK
10:00-10:20	Low-energy transfer reactions with ^{11}Be .	J.S. Johansen	Aarhus U, Denmark
Coffee break (30 minutes)			
Light neutron rich nuclei			
10:50-11:10	Correlation study of light neutron rich nuclei.	M.S. Golovkov	JINR, Dubna, Russia
11:10-11:30	Light exotic systems at relativistic velocities.	Yu. Aksyutina	GSI, Germany
11:30-11:50	Search for ^7H states in the $d(^8\text{He}, ^3\text{He})^7\text{H}$ reaction.	E. Nikolski	Kurchatov, Russia/RIKEN, Japan
11:50-12:10	Charge Radii of Halo nuclei in the Gamow Shell Model.	G.Papadimitriou	U of Tennessee, USA
Lunch (1 hour 50 minutes)			
Scattering and breakup reactions I			
14:00-14:20	Study of the scattering of the halo nuclei ^6He and ^{11}Be around the Coulomb barrier energies.	A.M. Sanchez-Benitez	U of Huelva, Spain
14:20-14:40	Study of reactions induced by the Borromean nucleus ^6He at energies around the Coulomb barrier.	M. Rodriguez-Gallardo	IEM CSIC, Madrid, Spain
14:40-15:00	Study of the collisions $^{9,10,11}\text{Be}+^{64}\text{Zn}$ near the Coulomb barrier.	P. Figuera	INFN, Catania, Italy
15:00-15:20	Exotic Nuclei Studied in Direct Reactions at Low Momentum Transfer-Recent Results on Nuclear Matter Distributions of Halo Nuclei and Future Perspectives at FAIR.	P. Egelhof	GSI, Germany
15:20-15:40	Elastic Scattering of Polarized Protons from Neutron-rich Helium Isotopes at 71 MeV/A.	S. Sakaguchi	RIKEN, Japan
Coffee break (30 minutes)			
Scattering and breakup reactions II			
16:10-16:30	Neutron correlations in ^6He observed through nuclear break-up.	J.A. Scarpaci	IPN, Orsay, France
16:30-16:50	Scattering of the halo nucleus ^{11}Li and its core ^9Li on heavy targets around the Coulomb barrier.	M. Borge	IEM CSIC, Madrid, Spain
16:50-17:10	Study of the elastic and breakup of ^{11}Li on ^{208}Pb at Coulomb barrier energies.	A.M. Moro	U of Sevilla, Spain
17:10-17:30	Di-neutron correlation in Coulomb breakup reaction of ^{11}Li .	Y. Kikuchi	Hokkaido U, Japan
17:45-19:00	Instrumentation discussion session		

17-Dec Thursday

Time	Title	Speaker	Institution
Resonance reactions			
8:40-9:00	Search for ^{14}F via the reaction $^{13}\text{O}+p$.	B. Roeder	Texas A&M U, USA
9:00-9:20	^{19}Na single-particle levels investigated by ^{18}Ne elastic and inelastic scattering on $(\text{CH}_2)_n$ target.	M.G. Pellegriti	INFN, Catania, Italy
9:20-9:40	Low Lying States of ^8B .	J. Mitchell	Florida State U, USA
9:40-10:00	Isobaric analog resonances of ^{69}Zn .	N. Imai	KEK, Japan
10:00-10:20	Study of two neutron transfer reaction and resonant elastic scattering induced by ^{11}Li , with the MAYA active target.	T. Roger	GANIL, France
Coffee break (30 minutes)			
Scattering and breakup reactions III			
10:50-11:10	Near-Barrier Elastic Scattering of ^8He from ^{208}Pb .	N. Keeley	A. Soltan Inst, Warsaw, Poland
11:10-11:30	A new version of CDCC for four-body breakup reaction.	M. Yahiro	Kyushu U, Japan
11:30-11:50	Optical potential based on complex G-matrix folding model and characteristic energy dependence of potential and cross section.	T. Furumoto	Osaka City U, Japan
11:50-12:10	High-resolution momentum measurement reveals ^{24}O as doubly magic nucleus.	C. Nociforo	GSI, Germany
Lunch (1 hour 50 minutes)			
Fusion reactions			
14:00-14:20	New Approach with CDCC for Evaluating Incomplete and Complete Fusion Cross Sections.	S. Hashimoto	JAEA, Japan
14:20-14:40	Fusion reactions induced by $^{6,8}\text{He}$ on $^{206,208}\text{Pb}$ targets.	S.M. Lukyanov	Dubna, Russia/Michigan State U, USA
14:40-15:00	The fission barriers in covariant density functional theory: superheavy nuclei and the role of pairing.	A. Afanasjev	Mississippi State U, USA
15:00-15:20	Complete fusion of ^9Be with ^{208}Pb .	H. Esbensen	Argonne, USA
15:20-15:40	Quantum three-body calculation of the nonresonant triple- α reaction rate at low temperatures.	K. Ogata	Kyushu U, Japan
Coffee break (30 minutes)			
One and two nucleon transfer reactions			
16:10-16:30	Shell structure of neutron rich Oxygen Isotopes.	D. Beaumel	IPN, Orsay, France
16:30-16:50	Spectroscopy of ^{21}O through the (d,p) reaction with the TIARA+MUST2+VAMOS+EXOAM setup at GANIL.	B. Fernandez-Dominguez	GANIL, France
16:50-17:10	First results for a recent $^{10}\text{Be}(d,p)$ experiment in inverse kinematics.	K.T. Schmitt	U of Tennessee, USA
17:10-17:30	Shape Coexistence in the Island of Inversion: The 0^+_2 state in ^{32}Mg .	K. Wimmer	TU Munchen, Germany
Dinner (2 hours)			
19:30-21:00	Poster session		

18-Dec Friday

Time	Talk	Speaker	Institution
Knockout reactions			
8:40-9:00	Probing the weakly-bound neutron orbit of ^{31}Ne with one-neutron removal cross sections.	P. Capel	U Libre de Bruxelles, Belgium
9:00-9:20	Knockout and Charge-Exchange Reactions from Relativistic Carbon Isotopes.	J. Enders	TU Darmstadt, Germany
9:20-9:40	Relativistic knock-out reactions of Ti and Sc isotopes at N=34.	R. Krueken	TU Munchen, Germany
9:40-10:00	Investigation of the N=20 shell closure through knockout reaction on ^{33}Mg .	R. Kanungo	Saint Mary U, Canada
10:00-10:20	Population of positive-parity states in ^{53}Sc through one-proton knockout.	S. McDaniel	Michigan State U, USA
Coffee break (30 minutes)			
Link between structure and reactions			
10:50-11:10	High-resolution in-beam spectroscopy of island-of-inversion nuclei via alpha induced reactions.	S. Ota	U of Tokyo, Japan
11:10-11:30	Linking nuclear reactions and nuclear structure on the way to the driplines.	W.H. Dickhoff	Washington U, USA
11:30-11:50	Asymmetry dependence of reduction factors in transfer reactions.	J. Lee	Michigan State U, USA
11:50-12:10	Unbound Nuclei Studied by Projectile Fragmentation.	A. Bonaccorso	INFN, Pisa, Italy
Lunch (1 hour 50 minutes) Excursion to Wakula Springs (14:00-17:00) Workshop dinner (18:00-20:00)			

19-Dec Saturday

Time	Talk	Speaker	
Nuclear Astrophysics			
8:40-9:00	Astrophysically important reaction rates for novae and X-ray bursts from proton breakup at intermediate energies.	A. Banu	Texas A&M U, USA
9:00-9:20	The Trojan Horse Method for Nuclear Astrophysics: the "recepty".	C. Spitaleri	INFN, Catania, Italy
9:20-9:40	Study of proton-threshold resonances in ^{26}Si using the $d(^{25}\text{Al}, ^{26}\text{Si})n$ reaction and implications for the nucleosynthesis of the galactic ^{26}Al .	A. Rojas	Florida State U, USA
9:40-10:00	The Trojan Horse Method as a tool to investigate low-energy resonances.	M. LaCognata	INFN, Catania, Italy
10:00-10:20	Structure of unstable nuclei and the impact on nuclear astrophysics.	Y. Sun	Shanghai Jiao Tong U, China
Coffee break (30 minutes)			
Collective excitations			
10:50-11:10	What can we learn from Giant Monopole measurements in exotic nuclei?	E. Khan	IPN, Orsay, France
11:10-11:30	Measurement of the Dipole Response of Neutron-rich Nickel Isotopes at LAND/R ³ B.	D. Rossi	U of Mainz, Germany
11:30-11:50	Collectivity in N=Z nuclei and the transitional ^{68}Se nucleus.	A. Obertelli	CEA, Centre de Saclay, France
11:50-12:10	Molecular states and molecular-orbitals in N \neq Z sd-shell nuclei.	M. Kimura	Hokkaido U, Japan
Concluding remarks			