

International Conference on Electromagnetic Isotope Separators and Related Topics (EMIS-2015)

Preliminary Program

Monday May 11	Tuesday May 12	Wednesday May 13	Thursday May 14	Friday May 15	Saturday May 16
<p>Isotope production, target and IS techniques</p> <p>9:00 Welcome T. Glasmacher</p> <p>9:30 New developments in resonance laser ionization for radioactive beams; MARSH, Bruce</p> <p>10:00 Radioactive ion beams developments from the TRIUMF resonant ionization laser ion source; LASSEN, Jens</p> <p>10:20 The laser ion source at CERN-ISOLDE: new features - more possibilities; ROTHE, Sebastian</p> <p>10:40 Ion optics and spectrometers</p> <p>11:10 Large acceptance spectrometers and possible new developments; NAKAMURA, Takashi</p> <p>11:40 The Super Separator Spectrometer (S3) for the very high intensity beams of SPIRAL2; DÉCHERY, Fabien</p> <p>12:00 The SECAR Recoil Separator for Nuclear Astrophysics; BERG, G.P.A.</p> <p>12:20 SAMURAI in its operation phase for RIBF users; OTSU, Hideaki</p>	<p>Low-energy and in-flight separators</p> <p>9:00 Recent progress of in-flight separators and rare isotope beam production; KUBO, Toshiyuki</p> <p>9:30 Operational Experiences in Particle Identification and Isotope Separation with BigRIPS In-flight Separator; AHN, DeukSoon</p> <p>9:50 The High Rigidity Spectrometer for FRIB; BAUMANN, Thomas</p> <p>10:10 Storage rings/Applications</p> <p>10:40 Storage rings for experiments with in-flight produced rare isotope beams; ZHANG, Yuhu</p> <p>11:10 The low energy storage ring CRYRING@ESR project; HERFURTH, Frank</p> <p>11:30 TSR: a storage ring for HIE-ISOLDE; BUTLER, Peter</p> <p>12:00 First measurements with the Array for Nuclear Astrophysics and Structure with Exotic Nuclei; BLACKMON, Jeffery</p> <p>12:20 Calcium isotope enrichment by means of multi-channel counter-current electrophoresis (MCCCE) for the study of particle and nuclear physics; KISHIMOTO, Tadafumi</p>	<p>Ion guides, catchers, beam manipulation</p> <p>9:00 High Intensity Ion Guides and Purification Techniques For Low Energy Radioactive Ion Beams; GRÉVY, Stéphane</p> <p>9:30 Production at 1000MeV/u, in-flight separation, thermalization and extraction of 238-U projectile and fission fragments from a cryogenic stopping cell; REITER, Moritz Pascal</p> <p>9:50 Status of the Low-Energy Super Heavy Element Facility at RIKEN; SCHURY, Peter</p> <p>10:10 Ion guides, catchers, beam manipulation/Facilities</p> <p>10:40 Multi-reflection time-of-flight mass separation and spectrometry; WOLF, Robert</p> <p>11:10 The CARIBU gas catcher; SAVARD, Guy</p> <p>11:30 The TRIGA-SPEC experiment: coupling to the research reactor TRIGA Mainz, beamline optimization and recent results; GRUND, Jessica</p> <p>11:50 MR-TOF-MS at the FRS: Instrumental Advances, Mass Measurements and Spatial Isomer Separation for Decay Spectroscopy; PLAß, Wolfgang</p> <p>12:10 SPIRAL 1 Upgrade at GANIL: status; DUBOIS, Mickaël</p> <p>12:30 Conference photo</p>	<p>Ion guides, catchers, beam manipulation</p> <p>9:00 On-line charge breeding using ECRIS and EBIS/T; VONDRASEK, Richard</p> <p>9:30 On-line experimental results of argon gas cell based laser ion source (KEK Isotope Separation System); HIRAYAMA, Yoshikazu</p> <p>9:50 The extraction of 229Th3+ from a buffer-gas stopping cell; VON DER WENSE, Lars</p> <p>10:10 The Light Ion Guide Project at the Texas A&M University Cyclotron Institute; YENNELLO, Sherry</p> <p>10:30 Instrumentation/Application/Facilities</p> <p>11:00 The Prototype Active-Target Time-Projection Chamber used with TwinSol Radioactive-Ion Beams; AHN, Tan</p> <p>11:20 Harvesting Radioisotopes from an Aqueous Target at a Projectile Fragmentation Facility; PEN, Aranh</p> <p>11:40 New developments of 11C post-accelerated beams for hadron therapy and imaging; MELO MENDONCA, Tania</p> <p>12:00 Experimental program of the Super-FRS Collaboration of the FAIR project and developments of the related instrumentation; MUKHA, Ivan</p> <p>1:15</p> <p>2:00 Ion Optical Modeling of In-Flight Separators; AMTHOR, Alan</p> <p>2:30 First production test of slowed-down RI beam at RIBF; SUMIKAMA, Toshiyuki</p> <p>2:50 New energy-degrading scheme for low-energy reaction measurements of rare isotope beams; MATSUSHITA, Masafumi</p> <p>3:10 Applications</p> <p>3:40 Neutral atom traps of rare isotopes at the precision frontier; MUELLER, Peter</p> <p>4:10 First Measurement of the Permanent Electric Dipole Moment of Radium-225; SINGH, Jaideep</p> <p>4:30 Production, Purification, and Analysis of a Ho-163 Sample for the Neutrino Mass Determination; SCHNEIDER, Fabian</p> <p>4:50 Direct measurement of nanoscale lithium diffusion in solid battery materials using radioactive tracer of 8Li; ISHIYAMA, Hironobu</p> <p>6:00 Conference Dinner</p>	<p>Low-energy and in-flight separators</p> <p>9:00 Gas-filled and vacuum mode separators for fusion reactions; GATES, Jacklyn</p> <p>9:30 The Argonne Gas-filled Fragment Analyzer; SEWERYNIAK, Dariusz</p> <p>9:50 On-line separators for the Dubna Superheavy Element Factory; POPEKO, Andrey</p> <p>10:10 Measurements of multinucleon transfer reactions of 136Xe + 198Pt for production of exotic nuclei; WATANABE, Yutaka</p> <p>10:30 Ion Traps and Lasers</p> <p>11:00 New Developments in Penning Trap Mass Spectrometry; BLOCK, Michael</p> <p>11:30 JYFLTRAP at IGISOL-4: Separating isomers and nailing down nuclear masses; REINKAINEN, Juuso</p> <p>11:50 New trap technologies for in-trap recapture of HCl for mass measurements and in-trap decay spectroscopy for 2n2b decay; KWIATKOWSKI, Anna A.</p> <p>12:20 Wider in spectral range, narrower in line width - upgrades of the RILIS titanium:sapphire lasers for in-source spectroscopy; WENDT, Klaus</p> <p>Instrumentation</p> <p>2:00 The transition from Si to Gas detection media in Nuclear Physics; POLLACCO, Emmanuel</p> <p>2:30 Time Projection Chambers for Nuclear Reaction Studies with Fast Beams; LYNCH, William</p> <p>2:50 Slow neutron detector WINDS for (p,n) reaction in inverse kinematics with SAMURAI spectrometer; YASUDA, Jumpei</p> <p>3:20 Concluding Remarks</p> <p>End of Conference</p>	<p>FRIB/NSCL tour</p> <p>Bus leaves Grand Rapids 9:00 am</p> <p>Return to Grand Rapids by 3:00 pm</p>
<p>Isotope production, target and IS techniques</p> <p>2:15 Thick targets for high-power ISOL facilities; BRICAULT, Pierre</p> <p>2:45 Measurement of the ionization potential of Lr (Z=103) by online mass separation; STORA, Thierry</p> <p>Isotope production, target and IS techniques/Facilities</p> <p>3:05 Direct evidence of melting shell-gap of the neutron-rich nuclei through novel spectroscopic tool; DATTA, Ushasi</p> <p>3:35 New Target Material Developments for Exotic ISOL Beams; GOTTBERG, Alexander</p> <p>4:05 Progress in the design and construction of SPES at INFN-LNL; BISOFFI, Giovanni</p> <p>4:25 The KOBRA facility for neutron-rich beam production at RISP; CHAE, Hyunwoo</p> <p>5:00 Poster session A</p>	<p>Applications</p> <p>2:15 beta-NMR on liquid media for biophysical and biological applications; STACHURA, Monika</p> <p>2:45 In-gas-jet spectroscopy of actinium isotopes; RAEDER, Sebastian</p> <p>3:05 Developments at the IGISOL-4 facility; GORELOV, Dmitry</p> <p>4:35 The Beam Commissioning of BRIF and Future Cyclotron Development at CIAE; ZHANG, Tianjue</p> <p>5:00 Poster session B</p>	<p>Conference Excursions</p> <p>1:15 pm - about 5pm</p>	<p>Ion optics and spectrometers</p> <p>3:40 Neutral atom traps of rare isotopes at the precision frontier; MUELLER, Peter</p> <p>4:10 First Measurement of the Permanent Electric Dipole Moment of Radium-225; SINGH, Jaideep</p> <p>4:30 Production, Purification, and Analysis of a Ho-163 Sample for the Neutrino Mass Determination; SCHNEIDER, Fabian</p> <p>4:50 Direct measurement of nanoscale lithium diffusion in solid battery materials using radioactive tracer of 8Li; ISHIYAMA, Hironobu</p> <p>6:00 Conference Dinner</p>	<p>Instrumentation</p> <p>2:00 The transition from Si to Gas detection media in Nuclear Physics; POLLACCO, Emmanuel</p> <p>2:30 Time Projection Chambers for Nuclear Reaction Studies with Fast Beams; LYNCH, William</p> <p>2:50 Slow neutron detector WINDS for (p,n) reaction in inverse kinematics with SAMURAI spectrometer; YASUDA, Jumpei</p> <p>3:20 Concluding Remarks</p> <p>End of Conference</p>	