

EMIS 2018 Final Programme overview

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

TARGET & ION SOURCE TECHNIQUES Richard Catherall

Main auditorium

09:00 Welcome

09:10 New exotic beams from the SPIRAL1 upgrade Pierre Delahaye

09:40 Thick solid targets for the production and online release of radioisotopes: the importance of the material characteristics Joao Pedro Ramos

10:10 Nuclear spectroscopy of r-process nuclei using KEK isotope separation system Yoshikazu HIRAYAMA

TARGET & ION SOURCE TECHNIQUES Thierry Stora

Main auditorium

11:00 High-intensity highly charged ion beam production by superconducting ECR ion sources at IMP Hongwei Zhao

11:30 Radioactive Beam Production at TRIUMF – Present and Future Alexander Gottberg

11:50 Research and development for the SPES target ion source system Alberto Monetti

12:10 Isolde V Tim Giles

12:30 High efficiency ISOL system to produce neutron deficient short-lived alkali RIBs on GANIL/SPIRAL 1 facility Venkateswarlu Kuchi

12:45 On-line results from ISOLDE's Laser Ion Source and Trap LIST Reinhard Matthias Heinke

TARGET & ION SOURCE TECHNIQUES Hanna Franberg

Main auditorium

14:15 The laser ionisation toolkit for ion beam production at thick-target ISOL facilities Bruce Marsh

14:35 TRIUMF resonance ionization laser ion source operation lessons & highlights Jens Lassen

14:55 EBIS debuncher performances Predrag Ujic

15:10 Molecular beams in the ISOL process Jochen Ballof

INSTRUMENTATION FOR RADIOACTIVE ION BEAM EXPERIMENTS Navin Alahiri

Main auditorium

16:00 Status of the Super-FRS project at FAIR Haik Simon

16:30 The SECAR System for Nuclear Astrophysics Measurements at FRIB Manoel Couder

16:50 Development of a multi-segmented proportional gas counter for beta-decay spectroscopy at KISS Momo Mukai

17:05 Current Status of Experimental Facilities at RAON Young Jin Kim

17:30 Poster Session 1 in Pas perdue

INSTRUMENTATION FOR RADIOACTIVE ION BEAM EXPERIMENTS Hideyuki Sakai

Main auditorium

09:00 Recent progress and developments for experimental studies with the SAMURAI spectrometer Yosuke Kondo

09:30 Study of spin-isospin responses of radioactive nuclei with background free neutron spectrometer, PANDORA Laszlo Stuhl

09:50 New energy-degrading beam line for in-flight RI beams, OEDO Shin'ichiro Michimasa

10:10 Status and future plans for MRTOF mass measurements at RIKEN-RIBF M. Rosenbusch

ION TRAPS AND LASER TECHNIQUES Georg Bollen

Main auditorium

11:00 The elusive 229-Thorium isomer: On the road towards a nuclear clock Peter Thirolf

11:30 Phase-Imaging Ion-Cyclotron-Resonance measurements at JYFLTRAP Dmitrii Nesterenko

11:50 First application of TITAN's newly installed MR-TOF-MS: Investigating the N = 32 neutron shell closure Moritz Pascal Reiter

12:10 Penning-Trap Mass Spectrometry of the Heaviest Elements with SHIPTRAP Oliver Kaleja

12:30 New program for measuring masses of silver isotopes near the N=82 shell closure with MLLTRAP at ALTO E. Minaya Ramirez

12:45 Improving the sensitivity of the Canadian Penning Trap mass spectrometer with PI-CR Rodney Orford

INSTRUMENTATION FOR RADIOACTIVE ION BEAM EXPERIMENTS Christoph Scheidenberger

Main auditorium

14:15 Gamma-ray tracking with AGATA: A new perspective for spectroscopy at RIB facilities Peter Reiter

14:45 The ISOLDE Decay Station - a Swiss Army knife for nuclear physics James Cubiss

15:05 Advanced scintillators for fast-timing applications Luis Fraile

ION GUIDE, GAS CATCHER, AND BEAM MANIPULATION TECHNIQUES Wilfried Northshäuser

Main auditorium

16:00 Ionic, atomic and optical manipulation techniques at radioactive ion beam facilities Iain Moore

16:30 Accurate High Voltage measurements based on laser spectroscopy Jorg Kramer

16:45 Poster Session 2 in Pas perdue

20:00 Public lecture in the Globe

LOW-ENERGY AND IN-FLIGHT SEPARATOR Dave Morrissey

Main auditorium

9:00 MARA and RITU, in-flight separators for nuclear structure studies at JYFL Juha Uusitalo

9:15 Status of the new Fragment Separator ACCULINNA-2 and first experiments G. Kaminski

9:30 New control method of slowed-down RI beam and new particle-identification method of secondary-reaction fragments at RIKEN RI beam factory Toshiyuki Sumikama

9:45 Recent Results from the FIONA Separator at LBNL Jacklyn Gates

10:00 Conference Photograph

LASER TECHNIQUES Michael Bloch

Main auditorium

10:30 High-resolution Laser Ionization Spectroscopy of Heavy Elements in Supersonic Gas Jet Expansion Rafael Ferrer Garcia

11:00 Resonance ionization schemes for high resolution and high efficiency study of exotic nuclei at the CRIS experiment Agota Koszorus

11:20 Laser Spectroscopy of the Heaviest Elements at SHIP / GSI Sebastian Raeder

11:40 MIRACLS: Multi Ion Reflection Apparatus for Collinear Laser Spectroscopy Simon Sels

11:55 Collinear laser spectroscopy at the IGISOL facility: upgrades and new opportunities Ruben Pieter De Groot

12:10 First demonstration of Doppler-free two-photon in-source laser spectroscopy at the ISOLDE-RILIS Katerina Chrysalidis

13:45 Excursions -

Buses leave from CERN – Globe car park

19:00 back at CERN

STORAGE RINGS Jens Dilling

Main auditorium

9:00 Status of the low energy storage ring CRYRING@ESR Frank HERFURTH

9:30 Rare-RI Ring in cyclotron facility RIBF Yoshitaka Yamaguchi

10:00 Application of In-ring Slit on Isochronous Mass Spectrometry Xing XU

10:15 Design, optimization and construction of multi-reflection time-of-flight mass analyzer for Lanzhou Penning Trap Yulin TIAN

ION GUIDE, GAS CATCHER, AND BEAM MANIPULATION TECHNIQUES Piet Van Duppen

Main auditorium

11:00 Re-acceleration of Rare Isotope Beams at Heavy-Ion Fragmentation Facilities Antonio Villari

11:30 The N=126 factory: a new facility to produce the very-heavy neutron-rich isotopes Guy Savard

11:50 Ba-ion extraction from high pressure Xe gas for double-beta decay studies with EXO Thomas Brunner

12:10 Beam Thermalization at the National Superconducting Cyclotron Laboratory Chandana Sumithrarachchi

12:25 Actinide ion beams by in-gas-cell laser resonance ionization, recoil sources, and on-line production at IGISOL Ilkka Pohjalainen

12:40 Online Tests of the Advanced Cryogenic Gas Stopper at NSCL Kasey Lund

APPLICATIONS OF RADIOACTIVE ION BEAMS Magda Kowalska

Main auditorium

14:15 EMIS for Health Ulli Koester

14:45 Beta-detected Nuclear Magnetic Resonance: From nuclear physics to biology Robert Dale Harding

15:00 Production of intense mass separated 11C beams for PET-aided hadron therapy Simon Thomas Stegemann

15:15 Very high specific activity Er-169 production Roberto Formento Cavailer

APPLICATIONS OF RADIOACTIVE ION BEAMS Valentine Fedosseev

Main auditorium

16:00 Laser Isotope Separation revisited – radioisotope purification by resonance ionization mass spectrometry at Mainz University Klaus Wendt

16:20 Applications of β -radiation detected NMR in wet chemistry, biochemistry and medicine Monika Stachura

17:30: Buses leave from CERN – Globe car park

Be aware that the boat leaves for conference dinner at 19:00 (from Paquis.pier. Opposite the Beau Rivage Hotel)

TECHNIQUES RELATED TO HIGH-POWER RADIOACTIVE ION BEAM PRODUCTION Carmen Angulo

Main auditorium

9:00 High-power target development for the next-generation of ISOL facilities Lucia Popescu

9:30 Towards 100 kW targets for electron driver beams at the TRIUMF-ARIEL Facility Thomas Day Goodacre

9:50 BRIF: from the first proton beam to RIB production Tianjue Zhang

10:10 Current status of Isotope Separation On-Line (ISOL) facility at RAON BH KANG

ION OPTICS AND SPECTROMETERS Hans Gelsel

Main auditorium

11:00 The Magnex spectrometer for double charge exchange reactions Manuela Cavallaro

11:30 New ion-optical modes of the BigRIPS and ZeroDegree Spectrometer for the production of high-quality RI beams Hiroyuki Takeda

11:45 ISLA, an Isochronous Separator with Large Acceptance for Experiments with Reaccelerated Beams at FRIB A Matthew Amthor

12:00 New high-resolution and high-transmission modes of the FRS open up new perspectives for FAIR phase-0 experiments Emma Haettner

12:15 Status of the CANREB high resolution separator at TRIUMF Jens Lassen

12:30 Prize Presentations and Closing remarks

14:00 Visit to ISOLDE and SC

16:00 Registration desk opens at the Globe of science en innovation

18:00 Reception at the Globe