

Expert Meeting on Next-Generation Fragment Separators 2019

Monday 30 September 2019 - Wednesday 02 October 2019

**GSI
Programme**

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Monday 30 September 2019

Registration - KBW Lecture Hall Foyer (08:45-09:00)

Welcome, Timo Dickel - KBW Lecture Hall (09:00-09:10)

Session 1: Overview, Toshi Kubo - KBW Lecture Hall (09:10-10:40)

time	[id] title	presenter
09:10	[0] Status of RI beam production at BigRIPS	AHN, Deuk Soon (RIKEN)
09:40	[1] The FRIB fragment separator	PORTILLO, Mauricio (MSU)
10:10	[2] Super-FRS has entered the construction phase	WINKLER, Martin (GSI)

Coffee Break - KBW Lecture Hall Foyer (10:40-11:10)

Session 2: Detectors and PID (I), Andreas Stolz - KBW Lecture Hall (11:10-12:40)

time	[id] title	presenter
11:10	[3] Particle ID at the A1900 fragment separator	KWAN, Elaine (MSU)
11:40	[4] PID for Super-FRS experiments	NOCIFORO, Chiara (GSI)
12:10	[5] Development of slowed-down RI beam: new energy-control method of slowed-down RIB and new PID scheme of secondary reaction fragments	SUMIKAMA, Toshiyuki (RIKEN)

Lunch - Canteen (12:40-14:00)

Session 3: Ion Optics, Mikhail Yavor - KBW Lecture Hall (14:00-16:00)

time	[id] title	presenter
14:00	[6] Ion Optics developments for the Super-FRS	WINFIELD, John (GSI)
14:20	[7] Conceptual Design for the HRS incl. the dispersion-matched HTBL (high-transm.beam line)	NOJI, Shumpei (MSU)
14:40	[8] Development of various ion-optical modes at BigRIPS	TAKEDA, Hiroyuki (RIKEN)
15:00	[9] High-order ion-optical modeling with measured and simulated field data	KAZANTSEVA, Erika (TU-Darmstadt)
15:20	[10] Present status of the OEDO-SHARAQ system	MICHIMASA, Shin'ichiro (U-Tokyo)
15:40	[11] Exotic atoms studied with dispersion-matched experiments at (Super-)FRS and BigRIPS	ITAHASHI, Kenta (RIKEN)

Coffee Break - KBW Lecture Hall Foyer (16:00-16:30)

Session 4: High-Power Beams, Martin Winkler - KBW Lecture Hall (16:30-18:00)

time	[id] title	presenter
16:30	[12] Status of high power issues (including thermal calculation on target)	YANAGISAWA, Yoshiyuki (RIKEN)

17:00	[13] Reconfiguration of the A1900 fragment separator for FRIB	STOLZ, Andreas (MSU)
17:30	[14] High-power target for Super-FRS, beam dumps and degraders	WEICK, Helmut (GSI)

Poster Session with finger food - KBW Lecture Hall Foyer (18:00-20:00)

Tuesday 01 October 2019

Session 5: Beam Production and Separation, Mauricio Portillo - KBW Lecture Hall

(09:00-10:40)

time	[id] title	presenter
09:00	[15] Recent development at the A1900 fragment separator	GINTER, Tom (MSU)
09:25	[16] Failsafe controls: developments for FRS and Super-FRS	PIETRI, Stephane (GSI)
09:50	[17] Development of high-Z beam production in the vicinity of 208Rn at RIBF	SUMIKAMA, Toshiyuki (RIKEN)
10:15	[18] Recent developments in controls for beam development and delivery at the NSCL	STEINER, Mathias (MSU)

Coffee Break - KBW Lecture Hall Foyer (10:40-11:10)

Session 6: Ion Catchers, Dave Morrissey - KBW Lecture Hall (11:10-12:40)

time	[id] title	presenter
11:10	[19] Beam stopping and thermalization developments at NSCL	SUMITHRARACHCHI, Chandana (MSU)
11:40	[20] Recent progress in the development of gas cells, SHE results combining GARIS with GASCELL+MRTOF	TAKAMINE, Aiko (RIKEN)
12:10	[21] Integration of gas cells in separator operations and related developments	DICKEL, Timo (GSI)

Photograph - KBW Lecture Hall (12:40-12:50)

Lunch - Canteen (12:50-14:00)

Session 7: New Separators, Hans Geissel - KBW Lecture Hall (14:00-16:00)

time	[id] title	presenter
14:00	[22] ISLA (Isochronous Spectrometer of Large Acceptance): from Conception to Magneto-optical Layout	MITTIG, Wolfgang
14:30	[23] The HIAF high-energy fragment separator	ZHIYU, Sun (IMP)
15:00	[24] S3 - status and perspectives	SAVAJOLS, Hervé
15:30	[25] DERICA project	GRIGORENKO, Leonid (Dubna)

Coffee Break - KBW Lecture Hall Foyer (16:00-16:30)

Session 8: Experiments at In-Flight Separators, Oleg Tarasov - KBW Lecture Hall

(16:30-18:00)

time	[id] title	presenter
16:30	[26] Radiation surveys related to the turn-off of the NSCL, and the reuse of the A1900 magnets	MORRISSEY, Dave (MSU)
17:00	[27] RIPS, BiRIPS and RI beams	KUBO, Toshiyuki (RIKEN)

17:30	[28] Past, present and future of our international expert meeting on in-flight separator issues	GEISSEL, Hans (GSI)
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Discussion - KBW Lecture Hall (18:00-18:30)

Conference Dinner - Canteen (18:30-20:30)

Wednesday 02 October 2019

Session 9: Magnets, Hervé Savajols - KBW Lecture Hall (09:00-10:30)

time	[id] title	presenter
09:00	[29] Super-FRS magnet testing at CERN	SUGITA, Kei (GSI)
09:30	[30] Observation of radiation effects in the BigRIPS magnet and cryogenic system	KUSAKA, Kensuke (RIKEN)
10:00	[31] FRIB fragment separator magnets: mapping and alignment	PORTILLO, Mauricio (MSU)

Coffee Break - KBW Lecture Hall Foyer (10:30-11:00)

Session 10: Simulations, Helmut Weick - KBW Lecture Hall (11:00-12:30)

time	[id] title	presenter
11:00	[32] ITSIM - simulations for low-energy ions in ion catchers and mass spectrometers	PLASS, Wolfgang (GSI)
11:30	[33] The interactive ion-optics program MIRKO	FRANCZAK, Benno (GSI)
12:00	[34] LISE++ developments and improved PID schemes	TARASOV, Oleg (MSU)

Lunch - Canteen (12:30-14:00)

Session 11: Detectors and PID (2), Wolfgang Mittig - KBW Lecture Hall (14:00-15:00)

time	[id] title	presenter
14:00	[35] GLAD installation and experiment operation experience	SIMON, Haik (GSI)
14:30	[36] Cerenkov counter development for radiation-hard ToF detectors	KUZMINCHUK-FEUERSTEIN, Natalia (GSI)

Discussion and closing remarks - KBW Lecture Hall (15:00-16:00)

Coffee Break - KBW Lecture Hall Foyer (16:00-16:30)

Facility Tour - (16:30-18:00)