

Expert Meeting on Next-Generation In-Flight Separators
GSI-FAIR (Darmstadt, Germany), Sept. 30 - Oct. 2, 2019



Time	Speaker	Affiliation	Title
Sunday, Sept 29			
Arrival			
Monday, Sept 30			
08:45 Registration			
09:00	Timo Dickel		Welcome
	Session 1: Overview Facilities	Chair: Toshi Kubo	
09:10	Deuk Soon Ahn	RIKEN	Status of RI beam production at BigRIPS
09:40	Mauricio Portillo	MSU	The FRIB fragment separator
10:10	Martin Winkler	GSI	Super-FRS has entered the construction phase
10:40 Coffee break			
	Session 2: Detectors and PID (I)	Chair: Andreas Stolz	
11:10	Elaine Kwan	MSU	Particle ID at the A1900 fragment separator
11:40	Chiara Nociforo	GSI	PID for Super-FRS experiments
12:10	Toshiyuki Sumikama	RIKEN	Development of slowed-down RI beam: new energy-control method of slowed-down RIB and new PID scheme of secondary reaction fragments
12:40 Lunch			
	Session 3: Ion Optics	Chair: Mikhail Yavor	
14:00	John Winfield	GSI	Ion optics developments for the Super-FRS
14:20	Shumpei Noji	MSU	Conceptual Design for the HRS incl. the dispersion-matched HTBL (high-transm.beam line)
14:40	Hiroyuki Takeda	RIKEN	Development of various new ion-optical modes at BigRIPS
15:00	Erika Kazantseva	TU-Darmstadt	High-order ion-optical modeling with measured and simulated field data
15:20	Shin'ichiro Michimasa	U-Tokyo	Present status of the OEDO-SHARAQ system
15:40	Kenta Itahashi	RIKEN	Exotic atoms studied with dispersion-matched experiments at (Super-)FRS and BigRIPS
16:00 Coffee break			
	Session 4: High-power Beams	Chair: Martin Winkler	
16:30	Yoshiyuki Yanagisawa	RIKEN	Status of high power issues (including thermal calculation on target)
17:00	Andreas Stolz	MSU	Reconfiguration of the A1900 fragment separator for FRIB
17:30	Helmut Weick	GSI	High-power target for Super-FRS, beam dumps and degraders
18:00 Poster Session with finger food			
Tuesday, Oct 1			
	Session 5: Beam Production and Separation	Chair: Mauricio Portillo	
09:00	Tom Ginter	MSU	Recent developments at the A1900 fragment separator
09:25	Stephane Pietri	GSI	Failsafe controls: developments for FRS and Super-FRS
09:50	Toshiyuki Sumikama	RIKEN	Development of high-Z beam production in the vicinity of 208Rn at RIBF
10:15	Mathias Steiner	MSU	Controls for beam development and delivery at NSCL
10:40 Coffee break			
	Session 6: Ion Catchers	Chair: Dave Morrissey	
11:10	Chandana Sumithrarachchi	MSU	Beam stopping and thermalization developments at NSCL
11:40	Aiko Takamine	RIKEN	Recent progress in the development of gas cells, SHE results combining GARIS with GASCELL+MRTOF
12:10	Timo Dickel	GSI	Integration of gas cells in separator operations and related developments
12:40 Photograph			
12:50 Lunch			

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Session 7: New Separators			
Chair: Hans Geissel			
14:00	Wolfgang Mittig	MSU	ISLA (Isochronous Spectrometer of Large Acceptance): from Conception to Magneto-optical Layout
14:30	Sun Zhiyu	IMP	The HIAF high-energy fragment separator
15:00	Hervé Savajols	GANIL	S3 - status and perspectives
15:30	L. Grigorenko	Dubna	DERICA project
16:00 Coffee break			
Session 8: Developments and Experiments at in-flight Separators			
Chair: Oleg Tarasov			
16:30	David Morrissey	MSU	Radiation surveys related to the turn-off of the NSCL and the reuse of the A1900 magnets
17:00	Toshiyuki Kubo	RIKEN	RIPS, BiRIPS and RI beams
17:30	H. Geissel and T. Kubo	GSI/RIKEN	Reflexions on the Main Topics and Goals of our International Expert Meeting
18:00	Discussion		
18:30 Conference Dinner			
Wednesday, Oct 2			
Session 9: Magnets			
Chair: Hervé Savajols			
09:00	Kei Sugita	GSI	Super-FRS magnet testing at CERN
09:30	Kensuke Kusaka	RIKEN	Observation of radiation effects in the BigRIPS magnet and cryogenic system
10:00	Mauricio Portillo	MSU	FRIB fragment separator magnets: mapping and alignment
10:30 Coffee break			
Session 10: Simulation Codes			
Chair: Helmut Weick			
11:00	Wolfgang Plass	GSI	ITSIM - simulations for low-energy ions in ion catchers and mass spectrometers
11:30	Benno Franczak	GSI	The interactive ion-optics program MIRKO
12:00	Oleg Tarasov	MSU	LISE++ developments and improved PID schemes
12:30 Lunch			
Session 11: Detectors and PID (2)			
Chair: Wolfgang Mittig			
14:00	Haik Simon	GSI	GLAD installation and experiment operation experience
14:30	Natalia Kuzminchuk-Feuerstein	GSI	Cerenkov counter developments for radiation-hard ToF detectors
15:00	Discussion and closing remarks		
16:00 Coffee break			
16:30	Facility Tour		
Thursday, Oct 3 (a public holiday in Germany)			
Departure			
Poster			
	Emma Haettner	GSI	Ion optical developments for FRS Phase-0
	Hans Müller	GSI	s.c. magnets for Super-FRS (t.b.c.)
	Felix Wamers	GSI	Cryogenic Supply for the Super-FRS
	Martin Eibach	GSI	Magnetic field sensors in high-radiation areas
	Oleg Kiselev	GSI	EXPERT detectors and Si-tracking and Si-ToF
	Philipp Schwarz	GSI	FRS target area remote control
	Daler Amanbayev	GSI	CSC for Super-FRS
	Natalia Kuzminchuk	GSI	ToF update project at FRS
	Helmut Weick	GSI	New simulations (ATIMA, Global) and related experiments
	Hanno Leibrock	GSI	Mechanical alignment of heavy separator components in high-rad. areas

update 30th of September