

## Workshop on experiments with high-resolution spectrometers and separators; GSI (Darmstadt, Germany), Nov. 4.-6., 2015



### Wednesday, Nov. 4.

9:15	<b>Departure from Johanneshof: shuttle transfer to GSI</b>			
	<b>Session 1, Chair: Muhsin Harakeh</b>			
10:00	Muhsin	Harakeh	KVI/Netherlands	Welcome, goal of the workshop
10:10	Yoshi	Fujita	RCNP/Japan	Nuclear structure revealed in high-resolution experiments at RCNP
10:40	Remco	Zegers	NSCL/USA	HRS for FRIB
11:10	<b>Coffee break</b>			
	<b>Session 2, Chair: Tomohiro Uesaka</b>			
11:40	Martin	Winkler	GSI/Germany	Overview LEB-EBS: design, elements, status
12:10	Christophe	Rappold	Univ. Castilla La Mancha/Spain	Hypernuclear spectroscopy with FRS & SuperFRS as high-resolution spectrometer
12:30	<b>Lunch</b>			
	<b>Session 3, Chair: Martin Winkler</b>			
14:00	Hervé	Savajols	GANIL/France	Experiments and layout of S3
14:30	Toshi	Kubo	RIKEN/Japan	High-resolution ion-optical analyses of RI beams at BigRIPS
15:00	Shinichiro	Michimasa	Univ.Tokyo, CNS/Japan	Dispersion-matching of RI-beams and its applications to nuclear structure studies
15:30	<b>Coffee break</b>			
	<b>Session 4, Chair: Yorick Blumenfeld</b>			
16:00	Matt	Amthor	Bucknell	Online ion optics optimization
16:20	Sophie	Heinz	GSI/Germany	Plans for low-E reaction studies with RIBs at LEB-EBS
16:40	William	Beeckman	SigmaPhi/France	Status of the Acculina-2 RIB fragment separator
17:05	Young Kwan	Kwon	RISP/Korea	Status of KOBRA (Korea Broad acceptance Recoil spectrometer and Apparatus) at RISP
17:35	<b>Facility tour: visit to GSI accelerators and experiments</b>			
18:30	<b>Dinner</b>			
20:30	<b>Shuttle from GSI to Johanneshof</b>			

### Thursday, Nov. 5.

8:30	<b>Departure from Johanneshof: shuttle transfer to GSI</b>			
	<b>Session 5, Chair: Remco Zegers</b>			
9:00	Heiko	Scheit	TU-Darmstadt/Germany	R3B experiments with a large-acceptance tracking spectrometer
9:30	Haik	Simon	GSI/Germany	Status of the superconducting R3B large-acceptance dipole magnet and its performance
9:50	Marina	Petri	TU-Darmstadt/Germany	Experimental program at R3B with a high-resolution spectrometer
10:10	Yoshiteru	Satou	RISP/Korea	High resolution spectroscopy at KOBRA
10:30	<b>Coffee break</b>			
	<b>Session 6, Chair: Thomas Aumann</b>			
11:00	Francesco	Cappuzzello	INFN-LNS Catania/Italy	Status MAGNEX and plans for charge-exchange reactions at LNS-Catania
11:30	Susumu	Shimoura	Univ.Tokyo, CNS/Japan	OEDO Project: EXTENDED dispersion-matching technique for production of low-energy RI beams
12:00	Matt	Amthor	Bucknell	Current status of ISLA (Isochronous Separator with Large Acceptances) at NSCL/FRIB
12:30	<b>Lunch</b>			
	<b>Session 7, Chair: Hervé Savajols</b>			
14:00	Hans	Geissel	GSI/Germany	Dispersion-matched systems at (Super-)FRS
14:30	Rituparna	Kanungo	Univ. Halifax/Canada	Radii and momentum distribution measurements using a high-resolution spectrometer
14:50	Jürgen	Gerl	GSI/Germany	High-resolution reaction experiments combined with gamma-ray spectroscopy at LEB
15:10	Madhavan	Narayanamy	IUAC/India	Recoil separators at IUAC, New Delhi – Design features and physics studies
15:30	<b>Coffee break</b>			
	<b>Session 8, Chair: Bradley Sherrill</b>			
16:00	Patrick	Achenbach	Univ. Mainz/Germany	Precision spectroscopy of light hypernuclear masses
16:30	Retief	Neveling	iThemba/South Africa	Experiments with the K600 at iThemba LABS
16:50	Plamen	Boutachkov	GSI/Germany	Tracking detectors for low-energy beams
17:10	Yorick	Blumenfeld	IPN Orsay/France	Reactions with radioactive beams: does one need a high resolution magnetic spectrometer?
18:30	<b>Dinner</b>			
20:30	<b>Shuttle from GSI to Johanneshof</b>			

### Friday, Nov. 6.

8:30	<b>Departure from Johanneshof: shuttle transfer to GSI</b>			
	<b>Session 9, Chair: Susumu Shimoura</b>			
9:00	Tomohiro	Uesaka	Japan	New aspects of nuclear structure probed with heavy-ion charge exchange reactions
9:30	Georg	Berg	Notre Dame/USA	SECAR - a High Order Corrected Recoil Separator
10:00	Aleksandr	Rodin	Dubna/Russia	Current status of mass-separator MASHA
10:30	<b>Coffee break</b>			
	<b>Session 10, Chair: Christoph Scheidenberger</b>			
11:00	Andreas	Heusler	MPI-Heidelberg/Germany	High-resolution particle spectroscopy of 208Pb with the MLL Q3D spectrograph
11:20	Wolfgang	Platz	GSI/Germany	Precision experiments with slowed-down and thermalized exotic nuclei produced at relativistic energies
11:40	Deniz	Savran	GSI/Germany	Investigation of the Pygmy Dipole Resonance in (a, a'g) coincidence experiments
12:00	Muhsin	Harakeh	KVI/Netherlands	Discussion, conclusions
12:30	<b>End of workshop</b>			

All presentations take place at the GSI lecture hall (main building); lunches (Wed-Fri) and dinners (Wed-Thu): GSI canteen