

TASCA 17

16th Workshop on

Recoil Separator for Superheavy Element Chemistry

September 01, 2017, GSI, Darmstadt, Germany

supported by the Helmholtz Institute Mainz

Location: KBW Auditorium

Program draft – 2017-08-18

TIME		TOPIC	Speaker
09:00		Welcome	P. Giubellino GSI
		Accelerator developments	Chair:
09:15	20+5	First HI beam acceleration with sc cw-Linac RF-structure at GSI	M. Miski-Oglu HIM
09:40	20+5	NPI in Rez - New Site for Performing SHE-homologue Experiments	J.P. Omtvedt U. Oslo
10:05	20+5	Volatile carbonyl compounds for new radioactive ISOLDE ion beams	J. Ballof CERN
10:30		Coffee	
		Physics highlights	Chair:
10:50	20+5	Nuclear structure and quasifission dynamics	D. Hinde ANU
11:15	20+5	Reaction studies to guide SHE synthesis in a post- ⁴⁸ Ca era	H. David GSI
11:40	20+5	Nuclear No isotope properties from laser spectroscopy	S. Raeder HIM
12:10		Workshop Photo	
12:25		Lunch	
		Facilities, technical developments	Chair:
13:15	20+5	RITU and MARA, present status	J. Uusitalo JYFL
13:40	20+5	Atomic-physics approach for determination of mean charges for heavy and superheavy ions in the dilute gases	V. Shevelko LPI / HIM
14:05	20+5	Development, characterization and first applications of a Drop-on-Demand inkjet printing system for nuclear target fabrication	R. Haas U. Mainz
14:30	20+5	"On detector" chemistry for alpha emitting radionuclides	D. Krupp HS Mannheim
14:55		Coffee	
		Chemistry	Chair:
15:15	30+5	Recent Results on Theoretical Studies of Properties of SHE	V. P. (GSI) / M. Ilias (Br./HIM)
15:50	20+5	Speeding up gas-phase chemistry to access elements beyond Fl	S. Götz HIM
16:15	20+5	Extraction of Nh homologs using "Designer" molecules	C.M. Folden III TAMU
16:40	20+5	On-line studies with carbonyl complexes at TRIGA Mainz	M. Götz HIM
17:05		Closing remarks	
17:10		End of TASCA 17 workshop	