

NUSTAR Annual Meeting

February 19-21, 2004

GSI Darmstadt

Thursday, February 19, 2004

10:00	Welcome NUSTAR	
10:10	Structure and goals	NUSTAR-Chairman
	Super-FRS, Status and Progress	
10:20	Motivation and goals of the LOI	Session Chairman
10:30	Super-FRS	M. Winkler
11:00	Low-Energy Branch	C. Scheidenberger
11:20	High-Energy Branch	T. Aumann
11:40	Ring Branch	H. Weick
12:00	EA-Collider	H. Simon
12:30	<i>Lunch</i>	
	Future Project: Challenges	
14:00	Target and Beam Dump	K. Sümmerer
14:10	Superconducting Magnets	G. Moritz
14:35	Storage Rings	F. Nolden
15:00	Collaboration Meetings	
	GENCO Award Session	
17:00	Welcome	W. F. Henning / H. Zeitträger
17:15	Physics with the next generation facilities	I. Tanihata
18:00	Award Ceremony	G. Münzenberg
19:30	<i>Dinner/Bufferet</i>	

Friday, February 20, 2004

**Performance
of the Present Facility**

09:00	Projectile Beam Intensities of UNILAC and SIS-18	P. Spiller
09:20	Developments at the ESR	M. Steck
09:40	Developments at the FRS	H. Geissel
10:00	Experimental conditions in the R3B Cave	H. Emling

10:15 *Coffee*

Nuclear Structure Experiments and Theory

10:45	RISING: Overview and recent results	P. Reiter
11:15	Future RISING Experiments	N. N.
11:30	2-Proton radioactivity experiments	M. Pfützner
11:45	Dissolution of Shell Structures at the Dripline	H. Lenske
12:00	Spectroscopy of heavy nuclei by configuration mixing of symmetry-restored mean-field states	M. Bender
12:15	Isospin mixing in Superaligned Fermi decay	A. Petrovici

12:30 *Lunch*

14:00	Quasi-free cluster scattering	L. Chulkov
14:15	Knockout reactions with O, N, F exotic nuclei	D. Cortina
14:30	Exotic atoms/ In-medium mass modifications	K. Itahashi
14:45	Schottky mass measurements	Yu. Litvinov
15:00	Isochronous mass measurements	M. Matos
15:15	MR-ToF for fusion products	W. Plaß

15:30 *Coffee*

16:00	Single-particle occupancies near ^{54}Ca	R. Kruecken
16:15	Interaction cross Sections of Krisotopes	T. Yamaguchi
16:30	GDR experiment around $A=132$	P. Adrich
16:45	Pygmy dipole resonance	N. Tsoneva
17:00	Implantation setup for decay spectroscopy	P. Woods
17:15	High granularity detector on ASIC chip	M. Mazzocco
17:30	Gas / solid differences in ionization cross sections	H. Ogawa
17:45	Status of FRS Ioncatcher development	M. Portillo

18:00 *Buffet*

Saturday, February 21, 2004

Reaction studies and applications

09:00	Isotopic composition of heavy fragmentation products	D. Henzlova
09:15	Odd even structures	V. Ricciardi
09:30	Hot residues of $^{136}\text{Xe} + p, \text{Ti}$	P. Napolitano
09:45	Response of the spectators to the participants blast	V. Henzl
10:00	Charge-pickup reactions	A. Kelic

10:15 *Coffee*

Future activities

10:45	The radioactive isotope facility RIBF at RIKEN	T. Motobayashi
11:10	Nuclear structure investigations	J. Jolie
11:35	Experiments of astrophysical relevance	K.L. Kratz
12:00	Nuclear reactions with exotic nuclei	T. Faestermann

12:30 *Lunch*

13:00 **End of the Meeting**