

ECOS 2012 WORKSHOP

FINAL PROGRAM

Monday, June 18, 2012

15:00-15:30 Coffee break

16:00-16:15 Welcome (Giacomo de Angelis, Umberto Vattani, Immacolata Amodeo)

16:15-16:30 FAIÇAL AZAIEZ, *The ECOS ENSAR Network*

16:30-19:00	<i>Nuclear Physics and Astrophysics I</i>	Chair: Sydney Gales
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16:30 MICHAEL BENDER, *The description of shape coexistence in proton-rich nuclei: status and perspectives*

17:00 SILVIA LENZI, *Nuclear structure far from stability and the effective nucleon-nucleon interaction*

17:30-18:00 Coffee break

18:00 BOGDAN FORNAL, *Yrast spectroscopy of neutron-rich nuclei – present status and perspectives with high intensity stable beams*

18:30 LORENZO CORRADI, *Possibilities offered by high intensity stable beams for reaction mechanism studies at Coulomb barrier energies*

19:00 SARA PIRRONE, *Isospin Effects on Heavy Ion reactions studied with stable beams in the range of Energy 10-30 A MeV*

19:45-20:15 Welcome Cocktail

20:15-21:30 Dinner

Tuesday, June 19, 2012

9:30-12:30	<i>Nuclear Physics and Astrophysics II</i>	Chair: George Dracoulis
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9:00 DIETER ACKERMANN, *Report from FUSHE*

9:30 CHRISTOPHE THEISEN, *Spectroscopy of heavy and super heavy elements, perspectives with stable (high intensity) ion beams*

10:00 MIKHAIL ITKIS, *Production of Super Heavy Nuclei at FLNR. Present status and future*

10:30-11:00 Coffee break

11:00 ELENA LITVINOVA, *Many-body dynamics in a relativistic framework: spectral properties of exotic nuclei*

11:30 KERSTIN SONNABEND, *Proton- and alpha-induced reaction rates in normal and inverse kinematics*

12:00 AURORA TUMINO, *Nuclear Astrophysics with Indirect Methods*

13:00-14:00 Lunch

14:30-18:00	<i>Facility up-grades and new Facilities I</i>	<i>Chair: Claes Fahlander</i>
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14:30 SERGEI DMITRIEV, *Expansion of SHE studies at Flerov Laboratory*
14:55 FAIÇAL AZAIEZ, *The ALTO facility, status and perspectives*
15:20 IAIN MOORE, *Status and perspectives of the JYFL accelerator laboratory*

15:55-16:20 Coffee break

16:20 DOREL BUCURESCU, *The Nuclear Structure facility in Bucharest*
16:45 LUCIANO CALABRETTA, *Status and perspectives of available beams at Laboratori Nazionali del Sud*
17:10 PATRIK BERTRAND, *Status and challenges of the SPIRAL2 accelerator*
17:35 KRZYSZTOF RUSEK, *Nuclear physics and its medical applications at the Polish National Cyclotron Laboratory (Warsaw-Cracow)*
18:00 SOTIRIOS HARISSOPULOS, *The LIBRA project: Upgraded research facilities at the Tandem Laboratori of "Demokritos"*

18:25-19:25	R. JULIN, D. ACKERMANN, <i>Nuclear Physics and Astrophysics: collaboration on key physics issues</i>
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19:30-21:00: Dinner

Wednesday, June 20, 2012

9:00-10:35	<i>Facility Up-grades and new Facilities II</i>	<i>Chair: Ramon Wyss</i>
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9:00 FRANCESCO GRESPAN, *LNL Accelerator Facility: status, upgrades and perspectives*
9:25 ISMAEL MARTEL, *Present status of the LRF facility*
9:50 WINFRIED BARTH, *The GSI cw-LINAC-project*

10:35-11:00 Coffee break

11:00-12:30	<i>Accelerator Technologies</i>	<i>Chair: Lorenzo Corradi</i>
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11:00 ANDREA PISENT, *cw RFQs for ion acceleration*
11:30 THIERRY LAMY, *Status and perspectives of high power ion sources*
12:00 SEBASTIEN BOUSSON, *High Power Accelerator Modules: perspectives for heavy ion accelerators for stable beams*

12:30-13:30	M. LEWITOWICZ, F. AZAIEZ, <i>Synergies between stable beam facilities and on accelerator technologies</i>
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13:30-14:30 Lunch

14:30-19:30 free afternoon

19:30-21:00 Dinner

21:30 Concert

Thursday, June 21, 2012

9:00-11:00	<i>Instrumentation</i>	<i>Chair: Santo Lunardi</i>
9:00	KLAUS EBERHARDT, <i>Thin stable targets and actinide targets for high power applications – status and perspectives</i>	
9:30	SILVIA LEONI, <i>Selected Gamma spectroscopy experiments with future high intensity stable ions beams: opportunities and challenges</i>	
10:00	CHRISTOPH DÜLLMANN, <i>Recoil Separator experiments with highly intense stable beams: status and perspectives</i>	
10:30	GABRIELE PASQUALI, <i>Charged particles detectors for high intensity beams: some thoughts and open problems</i>	
11:00	HAIK SIMON, <i>System design for nuclear structure experiments: online data reduction and distributed systems</i>	
11:30-12:00	Coffee break	
12:00-13:00	A. MAJ, F. AZAIEZ, <i>Synergies and optimization on existent instrumentation and on future developments</i>	
13:00-14:30	Lunch	
15:00	Departure	