

ECOS-EURISOL Joint Town Meeting
October 28-31, 2014 – IPN Orsay, France

ECOS TM Program

Tuesday, October 28

Session 1 SuperHeavy Elements Studies

Chair : G. De Angelis, INFN LNL

14:00 Welcome Addresses-Presentation of ECOS/ENSAR/ENSAR2 (F. Azaiez, M. Harakeh)

14:30 Synthesis of SHE: Alternative Approaches (M. Block)

15:00 Spectroscopy of SHE (B. Sulignano)

15:30 High Power Targets (J. Piot)

16:00 Reaction Mechanisms at Low energies (L. Corradi)

16:30 Coffee Break

Chair: D. Ackermann, GSI

17:00 Theoretical Models for SHE: Energy Density Functionals (D. Vretenar)

17:30 Theoretical Models for SHE: Relativistic Mean field Approaches (E. Litvinova)

18:00 Status on Deliverables D1 and D2 and Discussion (D. Ackermann)

Wednesday, October 29

Session 2 Physics Highlights

Chair: M. Lewitowicz, GANIL

08:30 Physics Highlights from Stable Ion Beam Facilities (N. Alahari)

09:10 Recent ideas and developments on reactions theory (D. Lacroix)

09:40 Dynamics and Thermodynamics at intermediate energies (G. Verde)

10:10 Double-Charge Exchange Reactions with SIB and the NUMEN Project (F. Cappuzzello)

10:40 Coffee Break

Chair: K. Mazurek, IFJ PAN

11:00 Status and Perspectives in Nuclear Astrophysics (A. Tumino)

11:30 New ideas and developments on EDF theory (M. Grasso)

12:00 Gamma-ray spectroscopy of neutron-rich nuclei (B. Fornal)

12:30 Gamma-ray spectroscopy of N=Z and proton-rich nuclei (B. Cederwal)

13:00 Lunch Break

Session 3 Technical and Physics Highlights, ECOS Revisions, Recommendations, Follow-up

Chair: C. Scheidenberger, GSI

14:15 Technical Highlights and New Projects (S. Bousson)

14:55 Status and Future Experiments with S3 (H. Savajols)

15:20 The ELI-NP Project (S. Galès)

15:45 The LINCE Project at Huelva (I. Martel)

16:10 Open Discussion – Discussion Leader: C. Scheidenberger, GSI

16:30 Coffee Break

Chair: M. Harakeh, KVI

16:50 AGATA: Status and Future Plans (A. Gadea)

17:20 Presentation of Deliverable D3 and Discussion (F. Azaiez)

17:50 Discussion on revision of ECOS document, recommendations and follow-up of ECOS activity
Discussion leaders (F. Azaiez, M. Lewitowicz and G. De Angelis)

20:00 ECOS-EURISOL Joint meeting Dinner

Restaurant La Bouteille d'Or, Paris 5 (<http://www.boparis.com/>)

ECOS-EURISOL Joint Town Meeting
October 28-31, 2014 – IPN Orsay, France

EURISOL TM Program

Thursday, October 30

Session I Chair : A. Facco, LNL Legnaro

09:00 Introduction (Y. Blumenfeld, IPN Orsay)

09:10 Linacs (G. Olry, IPN Orsay)

09:40 Advances in neutron converters for RIB facilities (L. Tecchio, LNL Legnaro)

10:10 Development of UCx targets in the ACTILAB project (C. Lau, IPN Orsay)

10:40 Coffee Break

Session II Chair : S. Pirrone, INFN Catania

11:10 Progress on the LIEBE project (L. Popescu, SCKCEN)

11:40 The cutting edge of nuclear reactions with exotic beams (A. Obertelli, CEA Saclay)

12:10 Particle-Particle Correlations (G. Verde, IPN Orsay / INFN Catania)

12:40 Nuclear physics input for r-process studies (T. Rodriguez, Madrid)

13:10 Lunch Break

Session III Chair : S. Essabaa, IPN Orsay

14:30 Charge Breeding of Radioactive Beams for EURISOL : status of the EMILIE project (P. Delahaye, GANIL)

15:00 EBIS charge breeder: news and future trends (F. Wenander, CERN)

15:30 Preparation of mono-isotopic beams: isobar purification via HRS (T. Kurtukian-Nieto, CENBG Bordeaux)

16:00 The application of laser resonance ionization inside FEBIAD-type ion sources for ISOL facilities (B. Marsch, CERN)

16:20 Coffee Break

Session IV Chair : M.J.G. Borge, CERN

16:50 Beta decay of exotic fp shell nuclei, exotic decay of fp shell nuclei (B. Rubio, Valencia)

17:20 Opportunities for fission studies with EURISOL and RIBs (A. Andreyev, York)

17:50 Innovative Instrumentation (not only) for reaction studies at EURISOL (R. Raabe, UC Leuven)

18:20 End of the day

Friday, October 31

Session V Chair : M. Harakeh, KVI Groningen

09:00 The European Spallation Source: a Tool for discovery (M. Lindroos, ESS)

09:30 Deliverable: Updating the Physics and Instrumentation case (A. Bonaccorso, INFN Pisa)

10:00 Deliverable: Identification of technologies developed at ISOL facilities applicable at future facilities (Y. Kadi, CERN)

10:30 Coffee Break

Session VI

11:00 Discussion on future of EURISOL introduced by Y. Blumenfeld, MJG Borge, A. Bracco, M. Lewitowicz and L. Popescu.

13:00 End of the Meeting