Monday, September 15, 2008

8:00 – 8:30 Registration

8:30 – 10:00 MOCO-A
Opening Session / Third Generation ECRIS
Chair: Santo Gammino

08:30 Welcome
Richard Pardo and Richard Vondrasek

09:00 Recent Results and Operation at 18 GHz with SECRAL
Hongwei Zhao, IMP

09:30 Status Report and Recent Developments with VENUS
Daniela Leitner, LBNL

10:00 – 10:30 Coffee Break

10:30 – 12:30 MOCO-B
Third Generation ECRIS & Status
Chair: Claude Lyneis

10:30 New 28 GHz SC-ECRIS for RIKEN RI Beam Factory Project
Takahide Nakagawa, RIKEN

11:00 Continuous and Pulsed Operation of a Highly Efficient 18 GHz Plateau-ECRIS
Jurgen H. Andra, Westfaelische Wilhelms-Universitaet Muenster

11:30 Brightness Studies of the Ion Beams Produced by SUSI - The Source for Ions
Guillaume Machicoane, NSCL

11:50 Ion Beam Research and Development Work at JYFL
Hannu Koivisto, JYFL

12:10 The High Charge State All-Permanent Magnet ECRIS Operated on 320 kV HV Platform
Liangting Sun, IMP

12:30 – 14:00 Lunch

14:00 – 16:00 MOCO-C
Applications
Chair: Laurent Maunoury

14:00 The Bio-Nano-ECRIS Project: A New ECR Ion Source at Toyo University to Produce
Endohedral Fullerenes
Takashi Uchida, Toyo University

14:30 Experiments with Highly Charged Ions at the Paris ECR Ion Source, SIMPA
Csilla I. Szabo, LKB

15:00 ECRIS on High Voltage Platform for Engineering and Modifications of Materials
Pravin Kumar, IUAC

15:20 Application of the ATOMKI-ECRIS for Materials Research and Prospects of the Medical
Utilization
Sandor Biri, ATOMKI

15:40 Measurement of 39Ar/Ar Ratios Using AMS of Underground Argon Samples Using the
Newly Developed Ultra-Pure Al Lined Plasma Chamber
Chris Schmitt, University of Notre Dame
16:00 – 18:00 MOPO
Coffee Break & Poster Session

TUCO-B01 has been moved to the poster session
New Spindle Cusp ZERO-B Field for ECR Ion and Plasma Sources
Md Haroon Rashid, DAE/VECC

Tuesday, September 16, 2008

8:30 – 10:00 TUCO-A
Next Generation / Future Sources

08:30 Conceptual Design of a 56 GHz ECR Ion Source Magnet Structure
Claude M Lyneis, LBNL
TUCA-A01

09:00 Gasdynamic ECR Sources of Multicharged Ions
Vadim Skalyga, IAP/RAS
TUCA-A02

09:30 60 GHz Electron Cyclotron Resonance Ion Source for Beta-Beams
Thomas Thuillier, LPSC
TUCA-A03

10:00 – 10:30 Coffee Break

10:30 – 12:30 TUCO-B
New Sources / RF Power

10:30 Microwave Sources for 3rd and 4th Generation of ECRIS
Yury Bykov, IAP/RAS
TUCA-B02

11:00 On the Observation of Standing Waves in Cylindrical Cavities Filled by Microwave
Discharge and ECR Plasmas
Luigi Celona, INFN/LNS
TUCA-B03

11:30 Broadband Excitation of ECR Plasmas
Wayne D Cornelius, SSolutions
TUCA-B04

12:00 Three-Dimensional Simulation of Electrons and Ions in ECRIS
Jurgen H. Andra, Westfaelische Wilhelms-Universitaet Muenster
TUCA-C01

12:30 – 14:00 Lunch

14:00 – 15:20 TUCO-C
Theory, Modeling & Plasma Diagnostics

14:00 Towards Kinetic Modeling of Ion Transport in an ECRIS Plasma
David Smithe, Tech-X
TUCA-C02

14:30 Three-Dimensional Simulations of Ion Dynamics in Plasma of Electron Cyclotron
Resonance Ion Source
Vladimir Mironov, KVI
TUCA-C03

15:00 Far-Tech’s ECR Charge Breeder Optimization Simulation Toolset - MCBC,
GEM, and IonEx
Jin-Soo Kim, Far-Tech, Inc.
TUCA-C04

15:30 – 15:50 Coffee Break
15:50 – 17:30  TUCO-D Techniques

15:50  Measurements of Electron Cyclotron Resonance Ion Source Bremsstrahlung Time
      Evolution and Preglow Effect
      Tommi Ropponen, JYFL
      TUCO-D01

16:10  Ion Cyclotron Resonance Heating in a Plateau-ECRIS
       Jurgen H. Andra, Westfaelische Wilhelms-Universitaet Muenster
       TUCO-D02

16:30  Study of the Dependence of ECR Ion Current on Periodic Plasma Disturbance
       Gouranga Sundar Taki, DAE/VECC
       TUCO-D03

16:50  Effects of Roll Angles on Halbach Array Efficiency
       David Maybury, MCE
       TUCO-D04

17:30 – 19:30  Geller Prize
Thursday, September 18, 2008

8:30 – 10:00 THCO-A
Emittance
Chicago Room South
Chair: Hannu Koivisto

08:30  Emittance Measurements of Ion Beams Extracted from the High-Intensity Permanent Magnet ECR Ion Source
Sergei Kondrashev, ANL
THCO-A01

09:00  Systematic Comparison Between a Pepperpot and an ALLISON Emittance Meter
Herman R. Kremers, KVI
THCO-A02

09:30  A Method of Tuning ECRIS Beam Transport Lines for Low Emittance
Jeffry W. Stetson, NSCL
THCO-A03

10:00 – 10:30 Coffee Break

10:30 – 12:30 THCO-B
Beam Optics & Extraction
Chicago Room South
Chair: Jeffry Stetson

10:30  High-Resolution Beam-Profile Measurements with a Faraday-Cup Array
Lauri Panitzsch, IEAP
THCO-B01

11:00  Low Energy Beam Transport for Ion Beams Created by an ECR
Peter Spaedtke, GSI
THCO-B02

11:30  Improved ECR Extraction and Transport Simulations Using Experimentally Measured Plasma Sputtering
Damon Todd, LBNL
THCO-B03

12:00  Three Dimensional Simulation of Ion Beam Extraction from an ECR Ion Source
Stephen M. Elliott, LLT
THCO-B04

12:30 – 14:00 Lunch

14:00 – 15:00 THCO-C
Beam Extraction & Beam Transport
Chicago Room South
Chair: Friedhelm Ames

14:00  ECRIS's Extraction: A New Way to Increase the Brightness of a Beam
Laurent Maunoury, CIMAP
THCO-C01

14:30  Recombination of Analyzed Multiple-Charge State Heavy-Ion Beams Extracted from an ECR Ion Source
Peter Ostroumov, ANL
THCO-C02

15:00 – 15:30 Closing Remarks

15:30 – 16:00 Coffee Break

16:00 – 20:00 Argonne Tour