



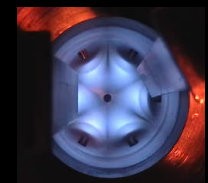
ECRIS08

18th International Workshop on ECR Ion Sources

Chicago, Illinois USA - September 15 -18, 2008

Schedule

Revised 4-Sept-08



Monday, September 15, 2008

8:00 – 8:30 Registration

8:30 – 10:00 MOCO-A

Opening Session / Third Generation ECRIS

Chicago Room South
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

MOCO-A01

09:30 Status Report and Recent Developments with VENUS

Daniela Leitner, LBNL

MOCO-A02

10:00 – 10:30 Coffee Break

10:30 – 12:30 MOCO-B

Third Generation ECRIS & Status

Chicago Room South
Chair: Claude Lyneis

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

Takahide Nakagawa, RIKEN

MOCO-B01

11:00 Continuous and Pulsed Operation of a Highly Efficient 18 GHz Plateau-ECRIS

Jurgen H. Andra, Westfaelische Wilhelms-Universitaet Muenster

MOCO-B02

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

Guillaume Machicoane, NSCL

MOCO-B03

11:50 Ion Beam Research and Development Work at JYFL

Hannu Koivisto, JYFL

MOCO-B04

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

Liangting Sun, IMP

MOCO-B05

12:30 – 14:00 Lunch

14:00 – 16:00 MOCO-C

Applications

Chicago Room South
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

MOCO-C01

14:30 Experiments with Highly Charged Ions at the Paris ECR Ion Source, SIMPA

Csilla I. Szabo, LKB

MOCO-C02

15:00 ECRIS on High Voltage Platform for Engineering and Modifications of Materials

Pravin Kumar, IUAC

MOCO-C03

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

Sandor Biri, ATOMKI

MOCO-C04

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

MOCO-C05



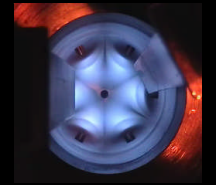
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16:00 – 18:00 MOPO

Coffee Break & Poster Session

Chicago Room North

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

Chicago Room South
Chair: Hongwei Zhao

08:30 Conceptual Design of a 56 GHz ECR Ion Source Magnet Structure

Claude M Lyneis, LBNL

TUCO-A01

09:00 Gasdynamic ECR Sources of Multicharged Ions

Vadim Skalyga, IAP/RAS

TUCO-A02

09:30 60 GHz Electron Cyclotron Resonance Ion Source for Beta-Beams

Thomas Thuillier, LPSC

TUCO-A03

10:00 – 10:30 Coffee Break

10:30 – 12:30 TUCO-B

New Sources / RF Power

Chicago Room South
Chair: Thierry Lamy

10:30 Microwave Sources for 3rd and 4th Generation of ECRIS

Yury Bykov, IAP/RAS

TUCO-B02

11:00 On the Observation of Standing Waves in Cylindrical Cavities Filled by Microwave Discharge and ECR Plasmas

Luigi Celona, INFN/LNS

TUCO-B03

11:30 Broadband Excitation of ECR Plasmas

Wayne D Cornelius, SSolutions

TUCO-B04

12:00 Three-Dimensional Simulation of Electrons and Ions in ECRIS

Jurgen H. Andra, Westfaelische Wilhelms-Universitaet Muenster

TUCO-C01

12:30 – 14:00 Lunch

14:00 – 15:20 TUCO-C

Theory, Modeling & Plasma Diagnostics

Chicago Room South
Chair: Daniela Leitner

14:00 Towards Kinetic Modeling of Ion Transport in an ECRIS Plasma

David Smithe, Tech-X

TUCO-C02

14:30 Three-Dimensional Simulations of Ion Dynamics in Plasma of Electron Cyclotron Resonance Ion Source

Vladimir Mironov, KVI

TUCO-C03

15:00 Far-Tech's ECR Charge Breeder Optimization Simulation Toolset - MCBC, GEM, and IonEx

Jin-Soo Kim, Far-Tech, Inc.

TUCO-C04

15:30 – 15:50 Coffee Break



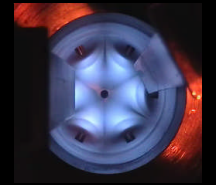
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15:50 – 17:30 TUCO-D Techniques

Chicago Room South
Chair: Peter Spaedtke

- 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

Wednesday, September 17, 2008

8:30 – 10:00 WECO-A Charge Breeding

Chicago Room South
Chair: Donald May

- 08:30 New Configuration and Results with the LPSC Charge Breeder
Thierry Lamy, LPSC WECO-A01
- 09:00 Status of the ECRIS Charge State Breeding Project at TRIUMF
Friedhelm Ames, TRIUMF WECO-A02
- 09:30 Initial Results of the ECR Charge Breeder for the 252Cf Fission Source Project (CARIBU) at ATLAS
Richard Vondrasek, ANL WECO-A03

10:00 – 10:30 Coffee Break

10:30 – 12:30 WECO-B Charge Breeding / Radioactive Ion Beams

Chicago Room South
Chair: Takahide Nakagawa

- 10:30 Design of a Charge-Breeder Ion Source for Texas A&M University
Wayne D Cornelius, SAIC WECO-B01
- 11:00 The Light Ion Guide CB-ECRIS Project at the Texas A&M University Cyclotron Institute
Gabriel Tabacaru, Texas A&M University WECO-B02
- 12:00 Presentation by winner of Geller Prize

12:30 – 18:00 Lunch & Excursion

19:00 – 22:00 Banquet



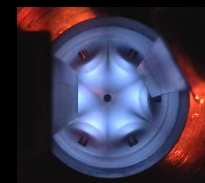
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Thursday, September 18, 2008

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 THCO-A01
Sergei Kondrashev, ANL
- 09:00 Systematic Comparison Between a Pepperpot and an ALLISON Emittance Meter THCO-A02
Herman R. Kremers, KVI
- 09:30 A Method of Tuning ECRIS Beam Transport Lines for Low Emittance THCO-A03
Jeffrey W. Stetson, NSCL

10:00 – 10:30 Coffee Break

10:30 – 12:30 THCO-B Beam Optics & Extraction

Chicago Room South
Chair: Jeffrey Stetson

- 10:30 High-Resolution Beam-Profile Measurements with a Faraday-Cup Array THCO-B01
Lauri Panitzsch, IEAP
- 11:00 Low Energy Beam Transport for Ion Beams Created by an ECR THCO-B02
Peter Spaedtke, GSI
- 11:30 Improved ECR Extraction and Transport Simulations Using Experimentally Measured Plasma Sputtering THCO-B03
Damon Todd, LBNL
- 12:00 Three Dimensional Simulation of Ion Beam Extraction from an ECR Ion Source THCO-B04
Stephen M. Elliott, LLT

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 THCO-C01
Laurent Maunoury, CIMAP
- 14:30 Recombination of Analyzed Multiple-Charge State Heavy-Ion Beams Extracted from an ECR Ion Source THCO-C02
Peter Ostroumov, ANL

15:00 – 15:30 Closing Remarks

Chicago Room South

15:30 – 16:00 Coffee Break

16:00 – 20:00 Argonne Tour