

ECRIS10 Scientific Program

Monday, August 23, 2010**08 :00-08 :40 Registration****08 :40-09:00 Welcome****09 :00-10:30 MOCOAK**
Status of ECRIS OperationMakalu Room
Chair: S. Gammino09:00 **MOCOAK01** SECRAL Status and Test Operation at 24GHz
*Hongwei Zhao*09:22 **MOCOAK02** Intense Ion Beam Production with SuSI
*Liangting Sun*09:44 **MOCOAK03** Status of new RIKEN SC-ECRIS
*Takahide Nakagawa*10:06 **MOCOAK04** Status of the VENUS ECR Ion Source
*Daniela Leitner***10 :30-11 :00 Coffee Break**

Atrium

11 :00-12 :30 MOCOBK
Status & New DevelopmentsMakalu Room
Chair: C. Lyneis11:00 **MOCOBK01** ECR ion sources for the Facility for Rare Isotope Beams (FRIB)
project at Michigan State University
*Guillaume Machicoane*11:22 **MOCOBK02** Present status of FLNR (JINR) ECR ion sources
*Sergei Bogomolov*11:44 **MOCOBK03** Status of ion sources at HIMAC
*Atsushi Kitagawa*12:06 **MOCOBK04** The ORNL MIRF HV Platform and Floating Beamline Upgrade Project
*Fred Meyer***12 :30-14 :00 Lunch break****14 :00-15 :50 MOCOCK**
Status & New DevelopmentsMakalu Room
Chair: T.Nakagawa14:00 **MOCOCK01** PK-ISIS: a new superconducting ECR ion source at Pantechnik
*Antonio C. Villari*14:22 **MOCOCK02** 3D simulation studies and optimization of magnetic holes of HTS-ECRIS
for improving the extraction efficiency and intensities of highly charged ions
*Gerard O. Rodrigues*14:44 **MOCOCK03** Design study of a higher magnetic field SC ECRIS at IMP
*Daniel Xie*15:06 **MOCOCK04** Measurement of the Sixty GHz ECR Ion Source using Megawatt
Magnets - SEISM magnetic field map
*Mélanie Marie-Jeanne*15:28 **MOCOCK05** Multigan®: a new multicharged ions source based on axisymmetric
magnetic structure
Laurent Maunoury

15 :50-16 :10 Coffee Break	Atrium
16 :10-17 :30 MOPOT Poster Session 1 (see p.6)	Atrium
17 :30-18 :30 Wine & Cheese Tasting	Atrium

Tuesday, August 24, 2010

08 :40-10:30 TUCOAK Makalu Room
Ions Beam & LEBTs Chair: R. Vondrasek

- 08:40 **TUCOAK01** First A/Q=3 beams of Phoenix V2 on the heavy ions low energy beam transport line of Spiral2
Christophe Peaucelle
- 09:02 **TUCOAK02** Ion Beam Brightness Study on SECRAL
Yun Cao
- 09:24 **TUCOAK03** Plasma-to-Target WARP simulations of Uranium beams extracted from VENUS compared to emittance measurements and beam images.
Daniel Winklehner
- 09:46 **TUCOAK04** Production of U ion beam from RIKEN SC-ECRIS with sputtering method
Yoshihide Higurashi
- 10:08 **TUCOAK05** An interpretation of the data measured with the KVI4D emittance meter
Herman R. Kremers

10 :30-11 :00 Coffee Break Atrium Room

11 :00-12 :30 TUCOBK Makalu Room
Pulsed Operation Chair: P. Spaëdke

- 11:00 **TUCOBK01** Preglow phenomenon origins and its scaling for ECRIS
Ivan Izotov
- 11:22 **TUCOBK02** "Preglow" investigation in ECR discharge @ 37 GHz, 100 kW
Vadim Skalyga
- 11:44 **TUCOBK03** Time Evolution of Plasma Potential in Pulsed Operation of ECRIS
Olli Tarvainen
- 12:06 **TUCOBK04** Micropulses generation in ECR breakdown stimulated by gyrotron radiation @ 37,5 GHz.
Vladimir Zorin

12 :30-14 :00 Lunch break

14 :00-15 :50 TUCOCK Makalu Room
Applications Chair: L.Maunoury

- 14:00 **TUOCK01** Beam, Multi-Beam and Broad Beam production with COMIC devices
Pascal Sortais
- 14:22 **TUOCK02** Status of the Electron Cyclotron Resonance Ion Source Development at Peking University
Shi Xiang Peng

- 14:44 **TUCOCK03** Development of 14 GHz electron cyclotron resonance ion source at KAERI
Byung-Hoon Oh
- 15:06 **TUCOCK04** Mass Spectrometry with an ECR Ion Source
Michael Hotchkis
- 15:28 **TUCOCK05** Working of the 10 GHz CAPRICE Ion Source
B. Jacquot
- 15 :50-16 :10 Coffee Break** Atrium
- 16 :10-18 :00 TUPOT** Atrium
Poster Session 2 (see p.7)
- 18:00-19 :00 Mairie de Grenoble Cocktail** Atrium

Wednesday, August 25, 2010

- 08 :40-10:30 WECOAK** Makalu Room
Plasma & Beam Investigations Chair: H.W. Zhao
- 08:40 **WECOAK01** Characterization of the microwave coupling to the plasma chamber of the LBL ECR ion source.
Claude M Lyneis
- 09:02 **WECOAK02** Some considerations about frequency tuning effect in ECRIS plasmas
David Mascali
- 09:24 **WECOAK03** Studies of the ECR plasma in the visible light range
Sandor Biri
- 09:46 **WECOAK04** Bremsstrahlung and ion beam current measurements with SuSI ECR ion source
Tommi Ropponen
- 10:08 **WECOAK05** Maximum bremsstrahlung energy versus different heating limits
Hannu Koivisto
- 10 :30-11 :00 Coffee Break** Atrium Room
- 11 :00-12 :30 WECOBK** Makalu Room
Charge breeding & Optic Chair: O. Kester
- 11:00 **WECOBK01** Commissioning of the ECRIS Charge State Breeder at TRIUMF
Friedhelm Ames
- 11:22 **WECOBK02** Recent Performance of the ANL ECR Charge Breeder
Richard Vondrasek
- 11:44 **WECOBK03** Fine frequency tuning of the PHOENIX charge breeder used as a probe for ECRIS plasmas
Thierry Lamy
- 12:06 **WECOBK04** Ion beam focussing and steering using a 3D-movable extraction
Lauri Panitzsch

12 :30-18 :00 Lunch (provided) & Excursion

19 :15-23 :15 Banquet

Thursday, August 25, 2010

**09 :00-10:30 THCOAK
Plasma & Beam Investigations**

Makalu Room
Chair: R. Leroy

- 09:00 **THCOAK01** A correction scheme for the hexapolar error of an ion beam extracted from an ECRIS
Peter Spaedtke
- 09:22 **THCOAK02** Kinetic Plasma Simulation of Ion Beam Extraction from a Hexapole ECR Ion Source
Stephen M. Elliott
- 09:44 **THCOAK03** Dipole magnet optimization for high efficiency low energy beam transport
Suresh Saminathan
- 10:06 **THCOAK04** Modeling ECRIS using a 1D multifluid code
Michael Stalder

10 :30-11 :00 Coffee Break

Atrium

11 :00-11 :15 Bus transfer from WTC to LPSC

11 :30-12 :15 Geller Prize

LPSC Amphitheater

12 :15-12 :45 Closing Remarks

LPSC Amphitheater

12 :45-14 :15 Barbecue at LPSC

14 :15-17 :15 Scientific Polygon Visit

17:15 Bus back from LPSC to WTC

Poster Sessions

Monday, August 23, 2010

16 :10-18 :00 MOPOT

Poster Session 1

MOPOT01 Operation of KeiGM for the carbon ion therapy facility at Gunma University
Masayuki Muramatsu

MOPOT02 Two-chamber configuration of the Bio-Nano ECRIS
Takashi Uchida

MOPOT03 Prospect for compact size ECRIS in application to analytical system
Masanori Kidera

MOPOT04 Neutralisation of accelerated ions and detection of resulting neutrals.
Thies Peleikis

MOPOT 05 High current production with 2.45 GHz ECR Ion source
Arona Coly

MOPOT06 Ionization efficiency of a COMIC ion source equipped with a quartz plasma chamber
Pekka Suominen

MOPOT07 Preliminary steps for high intensity beam tomography reconstruction
Cherry May Mateo

MOPOT08 He²⁺ source based on penning discharge with additional 75 GHz ECR heating.
Alexander Vodopyanov

MOPOT09 Beam Simulations in the Extraction Line of the RIKEN 28 GHz ECR Ion Source
Jun-Ichi Ohnishi

MOPOT10 The Light Ion Guide CB-ECRIS project at the Texas A&M University Cyclotron Institute
Gabriel Tabacaru

MOPOT11 DRAGON a new 18 GHz RT ECR ion source with a large plasma chamber
Wang Lu

MOPOT12 Tests of the Versatile Ion Source (VIS) for high power proton beam production
Santo Gammino

MOPOT13 MONOBOB II : Latest results of monocharged ion source for SPIRAL2 RIB
Mickael Dubois

MOPOT14 The design of 28 GHz ECR Ion Source for the Compact Linear Accelerator in Korea
Misook Won

MOPOT15 The Design Study of Superconducting Magnet System for a Advanced ECR Ion Source
Byoung Seob Lee

MOPOT16 Early uranium ion production in SUSI and a low power survey of offset axial sputtering
Dallas Cole

MOPOT17 Tests of a New Axial Sputtering Technique in an ECRIS
Robert Scott

MOPOT18 Atmospheric pressure deposition of ZnO films by an DC Arc Plasmatron
Oleksiy Penkov

Tuesday, August 24, 2010**16 :10-18 :00 TUPOT*****Poster Session 2***

TUPOT01 Plans for Laser Ablation of Actinides into an ECRIS for Accelerator Mass Spectroscopy

Richard Pardo

TUPOT02 Enhancement of ECR performances by means of carbon nanotubes based electron guns

Fabrizio Odorici

TUPOT03 A new BETSI test bench at CEA/Saclay

Sébastien Nyckees

TUPOT04 MICROGAN ECR ion source in a Van de Graaff accelerator terminal

Gabriel Gaubert

TUPOT 05 An ECR table plasma generator

Richard Rácz

TUPOT06 Using Mass-flow controllers for obtaining extremely stable ECR ion source beams

Xavier Donzel

TUPOT07 Preliminary design of BLISI, an off resonance microwave proton source

Slobodan Djekic

TUPOT08 Performance of the LBNL AECR-U with a TWTA

Janilee Benitez

TUPOT09 New Measurements Of Bremsstrahlung Radiation From SECRAL

Huanyu Zhang

TUPOT10 Effects of microwave frequency fine tuning on the performance of JYFL 14 GHz ECRIS

Ville Toivanen

TUPOT11 Measurements of low energy x-ray spectrum, plasma formation and decay at the 6.4 GHz LBNL ECR

Jonathan Noland

TUPOT12 Microwave frequency dependence of the properties of the ion beam extracted from a CAPRICE type ECRIS

Fabio Maimone

TUPOT13 Influence of initial plasma density and mean electron energy on the Preglow effect

Ivan Izotov

TUPOT14 Optimized extraction conditions from high power-ECRIS by dedicated dielectric structures.

Leon Schachter

TUPOT15 Permanent Magnet ECRIS for the KEK Digital Accelerator

Kwee Wah Leo

TUPOT16 Long-term operation experience with two ECR ion sources and planned extensions at HIT

Tim Winkelmann

TUPOT17 CEA/Saclay light ion sources status and developments

Raphael Gobin

TUPOT18 Sheath Formation of a Plasma Containing Multiply Charged Ions, Cold and Hot Electrons, and Emitted Electrons

Hyun Jong You

TUPOT19 Stimulated Nonlinear RFS in Magnetized Plasma

Alireza Paknezhad