



# 17th International Conference on Ion Sources

## Tuesday 17 October 2017

### Poster Session 2: Tuesday (16:30 - 19:00)

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[283] Neutral Beam Injection System for the C-2W Field Reversed Configuration Experiment	Dr DUNAEVSKY, Alexander	
[281] REGLIS3 at S3 for the Production of High Purity Refractory RIBs	Dr LECESNE, Nathalie	
[268] Development of an Off-Line Negative Ion Source for the Characterization of the Photodetachment Detector GANDALPH	LEIMBACH, David	
[266] Particle Model of the Driver of the Negative Ion Source for ITER Neutral Beam Injection System	IPPOLITO, Nicola D.	
[72] Modelling of Negative Ion Extraction from a Magnetized Plasma Source	Dr FUBIANI, Gwenael	
[51] Towards Direct High-Resolution Laser Spectroscopy on Exotic Isotopes at Hot Cavity Ion Sources: Crossed Laser - Atom Beam Interaction in the Laser Ion Source Trap LIST	HEINKE, Reinhard Matthias	
[76] Work Function of Caesiated and Cs-Free Materials for Enhanced H <sup>-</sup> Surface Production	Dr FRIEDL, Roland	
[229] Charge Breeding of CO <sup>+</sup> Beams at REX-ISOLDE	PITTERS, Johanna	
[205] Slow Extraction of Charged Ion Pulses from the REX-EBIS	BIDAULT, Niels	
[203] Electron and Ion Beam Simulations for the BNL Extended EBIS at Brookhaven National Laboratory	IKEDA, Shunsuke	
[216] Numerical Investigation of the Early Operational Phase of the Negative Ion Test Facility SPIDER: Beam Features and Diagnostics	SERIANNI, Gianluigi	
[265] Ion Sources for New Radioactive Refractory Element Beams at CERN-ISOLDE	BALLOF, Jochen	
[276] Response of Negative-Ion Beamlet by Insulation Tip in the Vicinity of Plasma Grid	NAKANO, Haruhisa	
[36] Simulation of Charge-Breeding Processes in ECRIS	Dr MIRONOV, Vladimir	
[303] Diagnostics and Improvements for the LANSCE H <sup>-</sup> Ion Source	KLEINJAN, David	
[156] Recent improvements of the LPSC Charge Breeder	ANGOT, Julien	
[109] System for Voltage Control and for Data Acquisition of Retarding Field Energy Analyzer	Dr BROMBIN, Matteo	
[103] Numerical Analysis of Negative Hydrogen Ion Beam Optics by Using 3D3V PIC Simulation	Dr MIYAMOTO, Kenji	
[140] Development of an Electron Attachment Type Negative Fullerene Ion Source	YAMADA, Keisuke	
[132] Present Status of the J-PARC Csiated RF-Driven H <sup>-</sup> Ion Source	Dr SHINTO, Katsuhiro	
[170] High Power and Long Pulse Negative Ion Production by Suppressing of Arcing for JT-60SA	ICHIKAWA, Masahiro	
[175] Modification of a classical Penning Ion Source operating mode for Sub-Femtoampere Beams at the U-120M Cyclotron	MATLOCHA, Tomas	

[199] Commissioning and First Results of the ASIPP RF-Driven Negative Ion Source	WEI, Jianglong	
[228] Effects of the CARIBU EBIS Trap Configuration on Extracted Ion Beam Characteristics	DICKERSON, Clayton	
[248] The First Radioactive Ion Beam at the Beijing Radioactive Ion-Beam Facility	TANG, Bing CUI, Baoqun	
[86] Update on the Negative Ion Based Neutral Beam Injectors for ITER	Dr SCHUNKE, Beatrix	
[178] Experimental Validation of Grid Heat Loadings in the Five-Stage Accelerator with the ITER-Relevant Gap Lengths	HIRATSUKA, Junichi	
[251] Study of Isotope Effects in Hydrogen Negative Ion Sources	KISAKI, Masashi	
[145] Experimental Study of Matching Network with Different Frequency for RF Ion Source	Dr JIANG, Caichao	
[67] Experimental Realization of Non Resonant Photon Neutralizer for Negative Ion Beams. Concept of Neutralizer for Big NBI Systems	Dr POPOV, Sergey	
[64] Effect of Plasma Grid Bias on Negative Ion Beam Optics	Dr KISAKI, Masashi	
[155] Conceptual Design of an Ion Source for the DAMAVAND Neutral Beam Injection	Mr ESHKEVAR VAKILI, Aref	
[202] Distributions of Primary-Electron Populations in Different Magnetic Filter Configurations	WEI, Jianglong	
[226] Resonant Ionization of Atomic Te with Ti:Sapphire Lasers	LIU, Yuan	
[133] Development of the Plasma Impedance Prediction Model in Radio Frequency Negative Ion Sources	KOBAYASHI, Wakaba	
[297] Production of Ruthenium-96 Ions for RHIC*	STESKI, Dannie	
[47] A Prototype Target-Ion Source for RIB Production in a Reactor	CUI, Baoqun	
[253] Comparison of Beam to Arc Discharge Current Ratio Between Hydrogen and Deuterium Operations in LHD-NBI Ion Sources	NAKANO, Haruhisa	
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[307] Alternative New Concept of an Efficient Negative Ion Source for Neutral Beams	FADONE, Michele	
[235] Towards Ga <sup>+</sup> and Au <sup>+</sup> Ion Injection into ESIS: Mock-Setup Experiments and Ion Beam Profiling.	Dr RAINER, Thomae	
[285] Scaled Penning Source Developments	FAIRCLOTH, Dan	
[162] Performance of PKU H <sup>-</sup> Source with Liners of Different Materials	Mr ZHANG, Tao	
[221] Global Model of a Negative Hydrogen Ion Source with Caesiated Plasma Grid	Dr VEITZER, Seth	
[306] Improvements to a 13.56 MHz RF Powered H <sup>-</sup> Ion Source	MELANSON, Stephane	
[185] Effect of Filter Field and Biased Double-Bias Plate on Volume Process in Negative Ion Sources	BALTADOR, Carlo	
[144] Long-Term Performance of CW Negative Hydrogen Ion Source at BINP Tandem Accelerator	SANIN, Andrey	
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[120] Investigate the Characteristics of Oxide of <sup>96</sup> Zr	KARINO, Takahiro	

[153] Benchmark of 3D Multi-Beamlet Numerical Models for the Optics Design of Negative Ion Accelerators	Dr CHITARIN, Giuseppe	
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[193] Laser Ion Source for High Resolution Doppler-Free Resonance Ionization Spectroscopy of Radioisotopes and Enhanced Isomer Selectivity	CHRYSSALIDIS, Katerina	
[179] Overview of the Beam Physics Investigation at the ELISE Test Facility	Dr WÜNDERLICH, Dirk	
[171] Design Study of 200 keV H <sup>-</sup> Accelerator for CFETR Neutral Beam Test Facility	WEI, Jianglong	
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[139] Upgrade of the Low Energy, High Power Neutral Beam System	DEICHULI, Petr	
[105] Power Transfer Efficiency in Inductively Coupled Radio-Frequency Ion Source: Case Study for the NIO1	Ms JAIN, Palak	
[84] Development of helium ion source for NPA system in ITER	DAVYDENKO, Vladimir	
[77] Laboratory Experiments for Developments in View of DEMO NNBI	Dr FRIEDL, Roland	
[49] Status of Arc Based High Power Ion Source for EAST Neutral Beam Injector	HU, Chundong	
[48] R&D of Radio Frequency Ion Source for Neutral Beam Injector in ASIPP	XIE, Yahong	
[34] Beam Energy Recovery for Fusion: Secondary Electrons Problem Study and Experimental Tests	VARIALE, Vincenzo	
[17] Comparison of Ion Beam Profile Measuring Methods	Dr MAMEDOV, Nikita	
[15] Advanced Filter Structures for NIO1 and other Negative Ion Sources	CAVENAGO, Marco CAVENAGO, Marco	
[11] Isotope Separator for External Ion Injection into EBIS	KONDRASHEV, Sergey	
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[192] Construction of External Antenna RF H <sup>-</sup> Source in CSNS	Dr CHEN, Weidong	
[173] Parametric Dependence of Hydrogen Plasma Lyman-Band Emission and H <sup>-</sup> Ion Beam Intensity in LIISA Ion Source	LÄTTI, Sakari	
[99] Langmuir Probe Characterization of the NIO1 Ion Source Plasma	VELTRI, Pierluigi	
[225] Record Performance of the Spallation Neutron Source H <sup>-</sup> Injector	Dr STOCKLI, Martin	
[223] Optimization of the Cesium Process for the SNS H <sup>-</sup> Ion Sources	Dr HAN, Baoxi	
[150] First Experimental Results of the Helicon Driver on Cybele	Mr MORGAL, Iaroslav	
[148] The Improvement of CSNS Ion Source	Dr LIU, Shengjin	
[131] Numerical Simulation of the EEDF and the Neutral Transport in the DC Arc-Discharge Hydrogen Negative Ion Source for Medical Use	Mr YAMADA, Shota	
[127] Development of Cesium-Free Negative Ion Source by Using High Density Sheet Plasma	Mr ISHIHARA, Shogo	
[80] Recent Results in Modeling of LANSCE H <sup>-</sup> Surface Converter Ion Source	Dr DRAGANIC, Ilija	