



# 25<sup>th</sup> International Workshop on ELECTRON CYCLOTRON RESONANCE ION SOURCES 2022



## POSTER SCHEDULE

Poster Session 1: Wednesday, 12 October, 2022

Time: 17:20-19:20

Poster Code	Abstract ID	Presenter	Title
WEPIPG001	1103	Shweta Sharma (IIT Delhi, New Delhi)	Fluctuations in an ECR produced Hydrogen plasma in diverging Magnetic fields in a Large Volume Plasma System
WEPIPG002	1209	Hemlata Joshi (Govt. College, Jeeran, Jeeran)	The Effect of Magnetized Quantum Plasma on Jeans Instability
WEPIPG003	1262	Lixuan Li (IMP/CAS, Lanzhou)	Production of intense pulsed highly charged ions beams with high performance superconducting ECR ion source
WEPIPG004	1181	Tenghao Ma (PKU, Beijing)	Effects of Magnetic Field Configuration on Hydrogen Plasma in a Miniatured 2.45 GHz ECR Ion Source
WEPIPG005	1144	Ratnesh Kumar (Institute for Plasma Research, Bhat, Gandhinagar)	Effect of Length of ECR Region on Electron Temperature and Density in a Multi Charged Ion Source
WEPIPG006	1123	Roman L'vovich Lapin (IAP/RAS, Nizhny Novgorod)	ECR Discharge Plasma VUV Emission From CW Tandem Negative Hydrogen Ion Source
WEPIPG007	1333	Subhasish Bag (IIT Delhi, New Delhi)	Trajectory Simulations of an Expanding Plasma generated from an ECR Plasma Source
WEPIPG008	1121	Priti Singh (IIT Delhi, New Delhi)	Experimental Studies on ECR Produced Hydrogen Plasma Ion Beams
WEPIPG009	1142	Sarvesh Kumar (IUAC, New Delhi)	Observation of Shear Alfvén waves for molecular ion beams in a magnetically confined plasma
WEPIPG010	1106	Puneeta Tripathi (IUAC, New Delhi)	Studies of pure and mixed ECR plasma - an effort in understanding the gas mixing and isotope anomaly
WEPIPG011	1405	Yuguo Liu (IMP/CAS, Lanzhou)	Compact 2.45 GHz ECR ion source with coaxial coupling system
WEPIPG012	1207	Jyotsna Sharma (Amity University, Gurugram)	Ion Beam Driven Lower Hybrid Wave Instability in a Magnetized Plasma Containing Two Ion Species
WEPIPG013	1201	Marco Antonio Ortiz Villicaña (UAZ, Zacatecas)	Design and Modelling of a Superconducting Magnet System for an Ecris Using Cable-in-Conduit
WEPIPG014	1161	Wei Huang (IMP/CAS, Lanzhou)	Progress of ITRIP System
WEPIPG015	1334	Masahiro Okamura (BNL, Upton, New York)	Design study of lithium vapor feeding system for ECRIS
WEPIPG016	1306	Andrey Evgenyevich Bondarchenko (JINR, Dubna, Moscow Region)	Production of intense ion beams from DECRIS-2M and ECR4M ECR ion sources
WEPIPG017	1321	Dmitriy Pugachev (JINR, Dubna, Moscow Region)	Development of a new 18 GHz ECR type ion source for the DC-140 Cyclotron Complex
WEPIPG018	1322	Dmitriy Pugachev (JINR, Dubna, Moscow Region)	Upgrade of the ECR Ion Source DECRIS-2m
WEPIPG019	1338	Alexander Tsvetkov (IAP/RAS, Nizhny Novgorod)	Automated Gyrotron Setups and Components Designed by IAP RAS/GYCOM for Modern ECR Ion Sources
WEPIPG020	1063	Cheng Qian (IMP/CAS, Lanzhou)	Status of Hybrid Superconducting Ecr Ion Source Development at Imp



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## POSTER SCHEDULE

**Poster Session 2:** Friday, 14 October, 2022

**Time:** 11:50–13:20

Poster Code	Abstract ID	Presenter	Title
FRP2PG022	1324	DEEPAK CHHIMWAL (Jamia Millia Islamia, New Delhi)	Analysis of the electrostatic potential field of an open-endcap, cylindrical Penning Trap
FRP2PG023	1204	Chandan Thakur (JNU, New Delhi)	Charge State Stripping and Stopping Power Analysis of Lead Ions in Carbon Foils
FRP2PG024	1281	Xing Fang (IMP/CAS, Lanzhou)	High reliability chopper system for HIAF project
FRP2PG025	1102	Mitul Abhangi (Institute for Plasma Research, Bhat, Gandhinagar)	Functional Characterisation of ECR Ion Source based 14 MeV neutron generator
FRP2PG026	1041	Tim Winkelmann (HIT, Heidelberg)	Ion sources at hit and results of test bench runs
FRP2PG027	1327	Qi Wu (IMP/CAS, Lanzhou)	The Design of a High Current 2.45 GHz Microwave Ion Source for an Electromagnetic Isotope Separator
FRP2PG028	1202	Niketan Jakhar (JNU, New Delhi)	Theoretical Investigation of Interaction of Kr and Xe Ions with Al Foils
FRP2PG029	1404	Zehua Jia (IMP/CAS, Lanzhou)	Status of a compact <sup>39</sup> Ar Enrichment System for Argon Dating
FRP2PG030	1407	Yaoxiang Jiang (PKU, Beijing)	Antenna Array Influence on the Surface Wave Plasma Source
FRP2PG031	1303	Pulkesh Prajapati (CVM, Adalaj)	Synthesis of High Quality Diamond Seed Substrate by Plasma Enhanced Chemical Vapor Deposition Method
FRP2PG032	1206	RAM SWAROOP (CUPB, Bathinda)	Modelling of a Resonant Cavity based on a 2.45 GHz Microwave Ion Source
FRP2PG033	1163	Ailin Zhang (USTC, SNST, Anhui)	Toward A High-temperature Surface Microwave Source For Ion Implantation
FRP2PG035	1336	Gerard Oscar Rodrigues (IUAC, New Delhi)	Investigation of Argon plasma in the presence & absence of magnetic fields
FRP2PG036	1305	Vladimir Mironov (JINR, Dubna, Moscow Region)	Development and Validation of the Numerical Model of Electron Cyclotron Resonance Ion Sources
FRP2PG038	1107	Bushra Kak (RUDN University, Moscow)	Model analysis of the dynamics of elliptical beam in solenoids
FRP2PG039	1108	Sergey Sergeevich Vybin (IAP/RAS, Nizhny Novgorod)	The Beam Space Charge Compensation Study at Gismo Facility