

प्लाज़्मा अनुसंधान संस्थान, गाँधीनगर/ Institute for Plasma Research, Gandhinagar
शोध प्रतिवेदन, जुलाई 2025/ Research Reports, July 2025

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3	Nitesh Kataria	Development of Water-Cooled Half Helix Antenna for Ion Cyclotron Resonance Heating (ICRH) in Plasma Thruster Experiments	IPR/RR-1776/2025
4	Varun Vijay Savadi	Modelling and Experimental Investigation of Tritium-Titanium Target Degradation Studies using SDTrimSP and 14 MeV Neutron Generator Facility at IPR	IPR/RR-1777/2025
5	Udaya Maurya	Plasma Position Constrained Free-Boundary MHD Equilibrium using pyIPREQ	IPR/RR-1778/2025
6	Soumitra Banerjee	Identification and Characterization of a New Disruption Regime in ADITYA-U Tokamak	IPR/RR-1779/2025
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9	Savita Pannu	Synthesis of Mixed Phase Iron Oxide Nanoparticles by Thermal Arc Plasma Process and Tuning the Properties by External Magnetic Field	IPR/RR-1782/2025
10	M. R. Jana	Status of the Progress of Fabrication of High Power Ion Extractor Grid for NBI System	IPR/RR-1783/2025
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3	Ramesh Joshi	EPICS Based Data Acquisition and Control Architecture for 100kW, 45.6MHz ICRH System: A Software Architecture Upgrade	IPR/TR-876/2025
4	Sharad Jash	Prototype Implementation of Application-Layer DDoS Mitigation using Open-source tools	IPR/TR-877/2025
5	Piyush Raj	Development and testing of novel hybrid CICC joint	IPR/TR-878/2025
6	Arvind M. Singh	Parallel Computing with MATLAB 2023a: Job Submission via MATLAB Parallel Server Integrated with PBS Scheduler on ANTYA HPC Cluster	IPR/TR-879/2025
7	K. M. Patel	Design, Construction, Integration and Installation of Plasma Facing Components of Limiter & Divertor of ADITYA-U Tokamak	IPR/TR-880/2025
8	Piyush Raj	The Development of Nb3Sn CICC-based coil	IPR/TR-881/2025
9	Pratik Ghosh	Design and Simulation of 500 MHz Microwave-Induced Argon Plasma in Waveguide-Fed Cylindrical Cavities	IPR/TR-882/2025
10	Snehal Jayswal	Design and CFD Analysis of Convergent-Divergent Nozzle and Comparison of Various Mathematical Model Accuracies for Fueling and Probing the Plasma in Tokamak	IPR/TR-883/2025
11	Piyush Raj	Indigenous development of a 3 T high temperature superconducting coil	IPR/TR-884/2025