

प्लाज़्मा अनुसंधान संस्थान, गाँधीनगर/ Institute for Plasma Research, Gandhinagar  
शोध प्रतिवेदन, अक्टूबर 2024/ Research Reports, October 2024

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1	Vivek Patel	Design and Simulation of 15kV/5A DC Power Supply for Residual Ion Dump Using Modular Multilevel Converter	IPR/RR-1694/Oct 2024
2	Yashashri Patil	Spiral Antenna Generated Plasma Column in APPEL Device for Tokamak Pre-ionization and Start-up Experiments	IPR/RR-1695/Oct 2024
3	Pravesh Dhyani	Effect of Electrode Biasing on Electrostatic and Magnetic Fluctuations in Aditya Tokamak	IPR/RR-1696/Oct 2024
4	Kishore Mishra	A Method of Localized Wall Cleaning by Varying EC Resonance in ADITYA-U Torus	IPR/RR-1697/Oct 2024
5	Tapan Patel	Non-destructive Testing of Copper to SS304L Friction Welded Joints for Fusion Research Applications	IPR/RR-1698/Oct 2024
6	Kishore Mishra	Progress in ICRF Antenna and Feeder System Research in Tokamak Experiments at IPR	IPR/RR-1699/Oct 2024

तकनीकी प्रतिवेदन, अक्टूबर 2024/ Technical Reports, October 2024

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1	Kaushlender Singh	Development of a Multipurpose High-Speed Reciprocating Probe Drive System for Investigating Edge Plasma Dynamics in ADITYA-U Tokamak	IPR/TR-822/Oct 2024
2	Shishir Purohit	Development of a Desktop Application for Soft X-Ray Spectral Measurements at the Plasma Start-up	IPR/TR-823/Oct 2024
3	Upendra Prasad	Critical Current Measurement of REBCO Tape Using Solid Nitrogen Set Up	IPR/TR-824/Oct 2024
4	Mayur Mehta	Neutron Capture Cross Section of <sup>186</sup> W Isotope in the Energy Range from 0.6-3.2 MeV with Covariance Analysis	IPR/TR-825/Oct 2024
5	Aman Gauttam	Extension of Effective Lifetime of a CCD Detector using PCIe to PCI Convertor Based Assembly	IPR/TR-826/Oct 2024