

Contents

Topical issue containing selected papers presented at the 24th Symposium on Plasma Physics and Technology	T1–T2
Yuri Akishev, Gregory Aponin, Anton Balakirev, Mikhail Grushin, Vladimir Karalnik, Alexander Petryakov, Nikolay Trushkin: Spatial-temporal behavior of individual microdischarges in dielectric barrier discharge	T3–T14
<i>Abstract</i>	
Tomaž Gyergyek, Jernej Kovačič, Milan Čerček: Transitions between space charge limited and temperature limited emission of electrons from a planar collector immersed in a plasma that contains an electron beam	T15–T29
<i>Abstract</i>	
Radomír Pánek, Milan Aftanas, Petra Bílková, Petr Bohm, Josef Havlíček, Jan Horáček, Martin Hron, Filip Janky, Diana Naydenkova, Jan Stockel, Jakub Urban, Vladimír Weinzettl, Jaromír Zajac, František Žáček, the COMPASS team: First results of the COMPASS tokamak	T31–T42
<i>Abstract</i>	
Charles Klett, Sylvain Touchard, Arlette Vega, Michael Redolfi, Xavier Duten, Khaled Hassouni: An experimental and modelling study of acetaldehyde oxidation by an atmospheric non-thermal plasma discharge	T43–T55
<i>Abstract</i>	
Luca Antonelli, Dimitri Batani, Andrea Patria, Orlando Ciriocosta, Carlo A. Cecchetti, Petra Koester, Luca Labate, Antonio Giulietti, Leonida A. Gizzi, Alessandro Moretti, Maria Richetta, Lorenzo Giuffrida, Lorenzo Torrisi, Michaela Kozlová, Jaroslav Nejd, Magda Sawicka, Daniele Margarone, Bedřich Rus, Guy Schurtz, Xavier Ribeyre, Marion Lafon, Chris Spindloe, Tim O'Dell: Laser–plasma coupling in the shock-ignition intensity regime	T57–T69
<i>Abstract</i>	