

1. Contribution to conferences and workshops

J. Badziak, S. Głowacz, S. Jabłoński, P. Parys, J. Wołowski, and H. Hora, *Skin Layer Ponderomotive acceleration of high-density plasma blocks using a short-pulse laser*, 2nd Intern. Conference on the Frontiers of Plasma Physics and Technology, Goa, India. February 21-25, 2005

A. Banaszak, A. Szydłowski, and M. J. Sadowski, *Calibrations solid-state nuclear track detectors for high-temperature plasma experiments*, 2nd Workshop on Ion Track Technology, Uppsala, Sweden. February 25-27, 2005

M. J. Rubel, E. Fortuna, A. Kreter, E. Wessel, V. Philipps, and K. J. Kurzydłowski, *Overview of comprehensive characterization of erosion zones on plasma facing components at the TEXTOR tokamak*, Seventh International Symposium on Fusion Nuclear Technology, ISFNT-7, Tokyo, Japan. May 22-27, 2005

P. Macháček and L. Ryć, *Metal resistor bolometer on GaAs substrate*, 5th International SPIE Conference on Photonic, Devices and Systems, Prague, Czech Republic. June 8-11, 2005

J. Badziak, S. Głowacz, H. Hora, S. Jabłoński, P. Parys, and J. Wołowski, *Studies on laser-driven generation of fast high-density plasma blocks for fast ignition*, 32nd EPS Conference on Plasma Physics, Tarragona. June 27 –July 1, 2005

J. Wołowski, J. Badziak, A. Czarnecka, S. Gammino, J. Krása, L. Láška, A. Mezzasalma, P. Parys, M. Pfeifer, K. Rohlena M. Rosiński, L. Torrioni, and J. Ullschmied, *Interaction of high-energy laser pulses with plasmas of different density gradients*, 32nd EPS Conference on Plasma Physics, Tarragona, Spain. June 27 –July 1, 2005

J. Badziak, *Laser-driven generation of fast particles*, International Congress on Optics and Optoelectronics, Warsaw. August 28 –September 2, 2005

P. Gašior, J. Badziak, J. Makowski, P. Parys, J. Wołowski, M. Rosiński, L. Ryć, V. Philipps, and M. Rubel, *Application of pulsed laser light for the removal of co-deposited deuterium/tritium from in vessel components*, European Congress on Advanced Materials and Processes, Prague, Czech Republic. September 5-8, 2005

J. Badziak, S. Głowacz, H. Hora, S. Jabłoński, and J. Wołowski, *Fast ignition of precompressed fusion target by laser-driven plasma block: a concept and preliminary studies*, 4th Intern. Conference on Inertial Fusion Science and Applications, Biarritz, France. September 5-9, 2005

L. Ryć, P. Macháček, A. Bartnik, M. Bittner, L. Juha, J. Kaczmarczyk, J. Krása, J. Mikołajczyk, M. Pfeifer, and J. Ullschmied, *Application of resistive bolometer to measurement of X-ray radiation from laser plasmas*, Int. Conf. PLASMA'2005, Opole, Poland. September 6-9, 2005

J. Wołowski, *Report on works related to plasma-wall interactions performed in Association EURATOM - IPPLM, Poland*, EU Task Force Meeting on Plasma Wall Interaction, Cadarache, France. October 17-19, 2005

E. Fortuna, M. J. Rubel, V. Philipps, K. J. Kurzydłowski, M. Miśkiewicz, Ph. Mertens, M. Pisarek, G. Van Oost and W. Zieliński *Properties of co-deposits on graphite high heat flux components*, 12th International Conference on Fusion Reactor Materials, Santa Barbara, California, USA. December 4-9, 2005