

8 Contribution to conferences and workshops

S. Atzeni, C. Bellei, J. R. Davies, R. G. Evans, J. J. Honrubia, X. Ribeyre, G. Schurtz, A. Schiavi, J. Badziak, J. Meyer-ter-Vehn, M. Olazabal, L. Silva, G. Sorasio, *Fast ignitor target studies for HiPER (invited)*, Fifth International Conference on Inertial Fusion Sciences and Applications, Kobe, Japan, 09-14.09.2007

J. Badziak, J. Honrubia, S. Jabłoński, J. Wołowski, *Laser-driven proton fast ignition of inertial fusion: concepts, issues and prospects (invited)*, Int. Conference on Research and Applications of Plasmas PLASMA 2007, Greifswald, Germany, 16-19.10.2007

J. Badziak, P. Antici, J. Fuchs, S. Jabłoński, A. Mancic, P. Parys, M. Rosiński, R. Suchańska, A. Szydłowski, J. Wołowski, *Laser-induced generation of ultra-intense proton beams for high energy-density science (invited)*, Int. Symposium on Laser-driven Relativistic Plasmas, Kizugawa, Japan, 17-20.09.2007

J. Badziak, P. Antici, J. Fuchs, S. Jabłoński, L. Lancia, A. Mancic, P. Parys, M. Rosiński, R. Suchańska, A. Szydłowski, J. Wołowski, *Ultrahigh-current proton beams from short-pulse laser-solid interactions*, Fifth International Conference on Inertial Fusion Sciences and Applications, Kobe, Japan, 09-14.09.2007

J. Badziak, A. Kasperczuk, P. Parys, T. Pisarczyk, M. Rosiński, L. Ryć, R. Suchańska, J. Wołowski, E. Krousky, L. Laska, K. Masek, M. Pfeifer, J. Ullschmied, L. J. Dhereshwar, I. Foldes, L. Torrissi, P. Pisarczyk, *Highly collimated, high-current heavy ion beams from the subnanosecond laser-plasma interaction*, 34th EPS Conference on Plasma Physics, Warsaw, Poland, 02-06.07.2007

J. Badziak, S. Jabłoński, *Ballistic focusing of high-current proton beams driven by skin-layer ponderomotive acceleration*, 34th EPS Conference on Plasma Physics, Warsaw, Poland, 02-06.07.2007

M. Bagnasco, L. Bottura, P. Bruzzone, M. Lewandowska, C. Marinucci, F. Staehli, *Pressure drop of Cable-in-Conduit Conductors with different void fraction*, Cryogenic Engineering Conference, Chattanooga, USA, 16-20.07.2007

M. Bagnasco, L. Bottura, P. Bruzzone, M. Lewandowska, C. Marinucci, F. Staehli, *Friction factor at low void fraction*, ITER Conductor Meeting, Villigen PSI, Switzerland, 02-03.07.2007

P. Berczyński, Yu. A. Kravtsov, G. Zegliński, *Gaussian beam diffraction in planar waveguides: analytical and numerical solutions by complex geometrical optics for inhomogeneous and nonlinear lens-like media*, International workshop Nonlinear Optics and Applications (NOA), Swinoujście, Poland, 19-22.05.2007

K. Drozdowicz and B. Gabańska, A. Igielski, E. Krynicka, A. Kurowski, U. Wiącek, U. Woźnicka, *System for detection of delayed neutrons from fissionable materials activated in the neutron field (IFJ PAN for the W7-X stellarator) [in Polish]*, Days of Association EURATOM-IPPLM, Kudowa-Zdroj, Poland, 18-21.09.2007

S. Jabłoński, J. Badziak, J. Wołowski, *Progress and prospect of fast ignition of ICF targets (invited)*, 34th EPS Conference on Plasma Physics, Warsaw, Poland, 02-06.07.2007

L. Jakubowski, M. J. Sadowski, J. Stanisławski, K. Malinowski, J. Żebrowski, M. Jakubowski, V. Weinzettl, J. Stockel, M. Vacha, M. Peterka, *Application of Cherenkov detectors for fast electron measurements in astor tokamak*, 34th EPS Conference on Plasma Physics, Warsaw, Poland, 02-06.07.2007

Yu. A. Kravtsov, B. Bieg, P. Berczyński, J. Chrzanowski, *Applications of Quasi-isotropic approximation in microwave plasma diagnostics*, Dni Asocjacji Euratom-IFPLM, 18-21 Sept. 2007, Kudowa Zdroj, Poland, 18-21.09.2007

Yu. A. Kravtsov, P. Berczyński, B. Bieg, K. Yu. Bliokh, Z. H. Czyż, *Polarization evolution in weakly anisotropic media: “quasi-isotropic approximation” (QIA) of geometrical optics method and its recent generalizations*, PIERS-2007: Progress in Electromagnetics Research Symposium, Prague, Czech Republic, 27-30.09.2007

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Yu. A. Kravtsov, P. Berczyński, B. Bieg, K. Yu. Bliokh, Z. H. Czyż, *Generalizations of “quasi-isotropic approximation” (QIA) of geometrical optics method*, XXXIX Congress of Polish Physicists, Szczecin, Poland, 09-14.09.2007

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A. Krawczyńska, M. Rasiński, M. Lewandowska, K. J. Kurzydłowski, *Microstructure and mechanical properties of Eurofer 97 steel subjected to hydrostatic extrusion*, EUROMAT 2007, Nuremberg, Germany, 10-13.09.2007

M. Lewandowska, A. Krawczyńska, K. J. Kurzydłowski, *Structure and properties of nano-sized Eurofer 97 steel obtained by hydrostatic extrusion*, 13th International Conference on Fusion Reactor Materials, Nice, France, 10-14.12.2007

M. Lewandowska, *Modelowanie matematyczne zagadnień termohydraulicznych w kablach nadprzewodzących*, Dni Asocjacji Euratom-IFPiLM, Kudowa, Poland, 18-21.09.2007

R. Prokopowicz, M. Scholz, A. Szydłowski, S. Popovichev and JET EFDA contributors, *Poster: Measurement of neutron yield from deuterium plasmas at JET by activation techniques*, PLASMA 2007: International Conference on Research and Applications of Plasmas; 4th German-Polish Conference on Plasma Diagnostics for Fusion and Applications; 6th French-Polish Seminar on Thermal Plasma in Space and Laboratory, Greifswald, Germany, 16-19.10.2007

M. Psoda, M. J. Rubel, G. Sergienko, P. Sunelin, A. Pospieszczyk, *Material Mixing on Plasma Facing Components: New Compound Formation*, The 13th International Conference on Fusion Reactor Materials, Nice, France, 10-14.12.2007

M. J. Rubel, G. Sergienko, A. Kreter, A. Pospieszczyk, M. Psoda, P. Sundelin, E. Wessel, *Fuel deposition and material mixing in a castellated tungsten limiter*, The 34th EPS Conference on Plasma Physics and Controlled Fusion, Warsaw, Poland, 02-06.07.2007

M. J. Rubel, G. Sergienko, A. Kreter, A. Pospieszczyk, M. Psoda, P. Sundelin, E. Wessel, *An Overview of Fuel Retention and Morphology in a Castellated Tungsten*, The 8th International Symposium on Fusion Nuclear Technology, Heidelberg, Germany, 30.09-05.10.2007

L. Ryć, *Rentgenowska spektrometria plazmy tokamakowej z zastosowaniem chłodzonych detektorów półprzewodnikowych*, Dni Asocjacji Euratom-IFPiLM, Kudowa Zdrój, Poland, 18-21.09.2007

L. Ryć, *X-ray imaging and PHA analysis*, The Fifth international Summer Training Course(SUMTRAIC '007), Budapest, Hungary, 10-18.07.2007

M. Scholz, B. Bieńkowska, V. Gribkov, S. Jednoróg, M. Chernyshova, L. Karpiński, M. Paduch, R. Prokopowicz, Z. Kalinowska, *Poster: Low-Energy Plasma Focus Neutron Source*, 34th European Physical Society Conference on Plasma Physics, Warsaw, Poland, 02-06.07.2007