

9 Contribution to conferences and workshops

- [1] *J. Badziak, S. Jabłoński, and P. Rączka*: Efficient generation of high-energy quasi-monoenergetic ion beams using laser-induced cavity pressure acceleration. 38th European Physical Society Conference on Plasma Physics, 26.06-02.07.2011, Strasburg, France
- [2] *J. Badziak, T. Pisarczyk, T. Chodukowski, S. Borodziuk, S. Jabłoński, Z. Kalinowska, A. Kasperczuk, P. Parys, P. Rączka, M. Rosiński, J. Wołowski, E. Krousky, M. Pfeifer, J. Skala, J. Ullschmied, R. Liska, M. Kucharik, K. Tomaszewski, P. Pisarczyk, and Yong-Joo Rhee*: Laser-induced cavity pressure acceleration – a novel highly efficient scheme of acceleration of dense matter. 38th European Physical Society Conference on Plasma Physics, 26.06-02.07.2011, Strasburg, France
- [3] *J. Badziak, S. Jabłoński, and P. Rączka*: Efficient production of high-energy carbon ions in the LICPA accelerator. ICIS 2011, ICIS 14th International Conference on Ion Sources, 11.09–17.09.2011, Giardini-Naxos, Italy
- [4] *J. Badziak*: Inercyjna fuzja termojądrowa: wyzwania i perspektywy. XLI Zjazd Fizyków Polskich, 04-09.09.2011, Lublin, Poland
- [5] *B. Bieg*: Wpływ refrakcji na dokładność polarymetrycznej diagnostyki plazmy, Polska Konferencja Optyczna (PKO'2011), 27.06-01.07.2011, Międzyzdroje, Polska
- [6] *B. Bieg*: Polarization properties of metal cube-corner retroreflector, Second International Conference on Frontiers in Diagnostic Technologies (FDT2), 28-30.11.2011, Frascati, Italy
- [7] *S. Borodziuk, J. Badziak, T. Chodukowski, Z. Kalinowska, A. Kasperczuk, T. Pisarczyk, J. Ullschmied, E. Krousky, M. Pfeifer, K. Rohlena, J. Skala and P. Pisarczyk*: Forward and backward cavity pressure acceleration of macroparticles. IFSA 2011 -Inertial Fusion Sciences and Application, 11.09-17.09.2011, Bordeaux, France
- [8] *M. Chernyshova*: Short Wavelength Laboratory Sources Development and application of triple-GEM detector for X-ray detection. COST Action MP0601, 25.05-1.06.2011, Dublin, Ireland
- [9] *T. Chodukowski, T. Pisarczyk, M. Paduch, E. Zielińska, M. Scholz, P. Kubes, K. Rezac, D. Klir, and J. Badziak*: Laser-induced cavity pressure acceleration of dense plasma. PLASMA-2011, International Conference on Research and Applications of Plasmas, 12-16.09.2011, Warszawa, Poland
- [10] *J. Chrzanowski, Yu.A. Kravtsov, and D. Mazon*: Nonconventional procedure of polarimetric data inversion: numerical simulation for the simple model of toroidal plasma, 10th Kudowa Summer School -Towards Fusion Energy, 14-18.06.2011, Kudowa Zdrój, Poland
- [11] *J. Chrzanowski, Yu.A. Kravtsov, A. Murari, and F. Orsitto*: Two approaches to plasma polarimetry: angular variables technique (AVT) and stokes vector formalism (SVF), Second International Conference on Frontiers in Diagnostic Technologies (FDT2), 28-30.11.2011, Frascati, Italy
- [12] *A. Czarnecka, E. Lerche, J. Ongena, D. Van Eester, C. A. Figueiredo, I. H. Coffey, and K.-D. Zastrow*: Impurity studies in ITER half-field ICRF heating scenarios in Hydrogen plasmas on JET. 10th Kudowa Summer School, 14-18.06.2011, Kudowa Zdrój, Poland

- [13] *A. Czarnecka, M. Kubkowska, W. Figacz, S. Jabłoński, J. Kaczmarczyk, J. Wołowski, C. Biedermann, R. Burhenn, R. König, and A. Weller*: Concept of pulse height analysis system (PHA) for Wndelstein 7-X. 38th European Physical Society Conference on Plasma Physics, 26.06-02.07.2011, Strasburg, France
- [14] *J. Dankowski, K. Drozdowicz, B. Gabańska, A. Igielski, A. Kurowski, B. Marczewska, T. Nowak, and U. Woźnicka*: Diamond detector for a spectrometric measurement of lost alpha particles, NUTECH-2011 Development and Applications of Nuclear Technologies, 11-14.09.2011, Kraków, Poland
- [15] *J. Dankowski, K. Drozdowicz, B. Gabańska, A. Igielski, A. Kurowski, B. Marczewska, T. Nowak, and U. Woźnicka*: Diamond detector for a spectrometric measurement of lost alpha particles, European Nuclear Young Generation Forum 2011, 17-22.05.2011, Prague, Czech Republic
- [16] *J. Dankowski*: Diamond detector for a spectrometric measurement of escaping fast alpha particles, 11th Kudowa Summer School, 14-18.06.2011, Kudowa, Poland
- [17] *K. Drozdowicz, J. Dankowski, B. Gabańska, A. Igielski, A. Kurowski, B. Marczewska, T. Nowak, and U. Woźnicka*: Diamond detector for a spectrometric measurement of the escaping alpha particles, International Conference on Research and Applications of Plasmas PLASMA-2011, 12-16.09.2011, Warsaw, Poland
- [18] *K. Drozdowicz*: CVD diamond for lost fast ions, EFDA Workshop on Diagnostic, 05.04-07.05.2011, Garching, Germany
- [19] *K. Drozdowicz*: Możliwość zastosowania detektora diamentowego do pomiaru cząstek alfa w tokamaku, Środowiskowe Seminarium Plazmowe, 19.04.2011, Warszawa, Poland
- [20] *E. Endstrasser, V. Rohde, M. Balden, U.V. Toussaint, M. Rampp, E. Fortuna-Zaleśna, J. Ferenc-Dominik, M. Rasiński, R. Neu, and the ASDEX Upgrade Team*: Characterization of different dust sampling techniques in view of the classification of particles from full-tungsten ASDEX Upgrade, 13th International Workshop on Plasma-Facing Materials and Components for Fusion Applications, 09-13.05.2011, Rosenheim, Germany
- [21] *E. Fortuna-Zaleśna, M. Rasiński, M. Pisarek, K. Roźniatowski, M. Mayer, R. Neu, K. J. Kurzydłowski, and ASDEX Upgrade Team*: Plasma induced surface modification in the divertor strike point region of ASDEX Upgrade, 13th International Workshop on Plasma-Facing Materials and Components for Fusion Applications, 09-13.05.2011, Rosenheim, Germany
- [22] *P. Gqsior, M. Kubkowska, and J. Wołowski*: Dependence of power density and energy fluence on ablation rates and LIBS observation thresholds for laser-irradiated ITER relevant material. 13th Inter. Workshop on Plasma Facing Components, 08-13.05.2011, Rosenheim, Germany
- [23] *P. Gqsior, M. Kubkowska, A. Blagoev, and W. Skrzeczanowski*: Temporal evolution of tungsten spectra for applications in wall diagnostics in thermonuclear reactors. 6th Euro-Mediterranean Symposium on Laser Induced Breakdown Spectroscopy, 11-16.09.2011, Izmir, Turkey
- [24] *P. Gqsior, A. Czarnecka, M. Kubkowska, M. Rosiński, and J. Wołowski*: Investigation of laser ablation of Al:W:C:H/D and C:H/D layers and laser produced dust with the use of LIBS and fast CCD cameras. Nanosmat, 17-20.10.2011, Kraków, Poland
- [25] *V. Gribkow, E.V. Demina, A.V. Dubrovsky, V.N. Pimenov, S.V. Maslyaev, M. Chernyshova, L. Karpiński, R. Miklaszewski, M. Scholz, C. Tuniz, and A. Tartari*: Nanostructure surface layers produced by nanosecond pulsed irradiation of plasma facing materials of fusion reactors and their influence on hydrogen isotope retention by them. Participation In the TechConnect Word Conference and Expo 2011, 12-18.06.2011, Boston, USA

- [26] *S. Jabłoński and J. Badziak*: Generation of solid-density ultraintense ion beams by a picosecond laser pulse of circular polarization. ICIS 2011 -ICIS 14th International Conference on Ion Sources, 11.09 – 17.09.2011, Giardini-Naxos, Italy
- [27] *K. Jakubowska, J. Rzakiewicz, W. Dominik, M. Scholz, P. Blanchard, M. Chernyshova, T. Czarski, M.H. Czyrkowski, R. Dąbrowski, L. Karpiński, G. Kasprowicz, K. Kierzkowski, I. M. Kudla, K. Poźniak, Z. Salapa, S. Tyrrell, W. Zabołotny, and K-D. Zastrow*: Development of 1D Triple GEM soft X-ray detectors for a tokamak plasma. 10th Kudowa Summer School, 14-18.06.2011, Kudowa Zdrój, Poland
- [28] *K. Jakubowska, J. Rzakiewicz, W. Dominik, M. Scholz, K-D. Zastrow, M. Chernyshova, T. Czarski, and L. Karpiński*: Development of a 1D Triple GEM X-ray detector for a high-resolution X-ray diagnostics at JET. 38th European Physical Society Conference on Plasma Physics, 26.06-02.07.2011, Strasburg, France
- [29] *L. Jakubowski, V.V. Plyusnin, M.J. Sadowski, J. Żebrowski, K. Malinowski, M. Rabiński, H. Fernandes, C. Silva, P. Duarte, and M. Jakubowski*: Estimation of energies of run-away electrons in ISTOK facility by means of Cherenkov-type probe with modified AlN radiators, PLASMA 2011 -International Conference on Research and Applications of Plasmas, 12-16.09.2011, Warsaw, Poland
- [30] *L. Jakubowski, M.J. Sadowski, J. Żebrowski, M. Rabiński, M.J. Jakubowski, K. Malinowski, R. Mirowski, Ph. Lotte, M. Goniche, J. Gunn, G. Colledani, J-Y. Pascal, and V. Basiuk*: Recent studies of fast electron streams by means of Cherenkov detector in the TORE-SUPRA tokamak, PLASMA 2011 - International Conference on Research and Applications of Plasmas, 12-16.09.2011, Warsaw, Poland
- [31] *Z. Kalinowska, A. Kasperczuk, T. Pisarczyk, T. Chodukowski, S.Yu. Gus'kov, N.N. Demchenko, J. Ullschmied, E. Krousky, M. Pfeifer, K. Rohlena, J. Skala, and P. Pisarczyk*: Investigations of mechanisms of laser radiation absorption at PALS. International School of Quantum Electronics; 49th Course, Atom and Plasmas in Super-Intense Laser Fields, 14-24.07.2011, Erice, Italy
- [32] *A. Kasperczuk, T. Pisarczyk, T. Chodukowski, Z. Kalinowska, S.Yu. Gus'kov, N.N. Demchenko, J. Ullschmied, E. Krousky, M. Pfeifer, K. Rohlena, J. Skala, and P. Pisarczyk*: Influence of plastic plasma on process of aluminium plasma jet formation. 38th European Physical Society Conference on Plasma Physics, 26.06-02.07.2011, Strasburg, France
- [33] *A. Kasperczuk, T. Pisarczyk, J. Badziak, S. Borodziuk, T. Chodukowski, S.Yu. Gus'kov, N.N. Demchenko, D. Klir, J. Kravarik, P. Kubes, K. Rezac, J. Ullschmied, E. Krousky, K. Masek, M. Pfeifer, K. Rohlena, J. Skala, and P. Pisarczyk*: Interactions of plastic and copper plasmas in an axially symmetrical geometry. IFSA 2011 -Inertial Fusion Sciences and Application, 11.09 -17.09.2011, Bordeaux, France
- [34] *Yu.A. Kravtsov, J. Chrzanowski, and B. Bieg*: Application of angular variable technique to the polarization state evaluation in weakly anisotropic media, Polska Konferencja Optyczna (PKO'2011), 27.06-01.07.2011, Międzyzdroje, Poland
- [35] *Yu.A. Kravtsov, J. Chrzanowski, and B. Bieg*: New approach in microwave plasma polarimetry: Angular variable technique, International Radar Symposium – IRS 2011, 07-09.09.2011, Leipzig, Germany
- [36] *M. Kubkowska, P. Gąsior, J. Wołowski, M. Kubkowska, E. Składnik-Sadowska, M.J. Sadowski, K. Czaus, J. Żebrowski, M. Ladygina, and I.E. Garkusha*: Spectroscopic study of plasma produced from CFC targets irradiated by pulsed plasma streams. 13th Inter. Workshop on Plasma Facing Components, 08-13.05.2011, Rosenheim, Germany

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- [38] *A. Malinowska, A. Szydłowski, M. Jaskóła, A. Korman, and M. Kuk*: Application of SSNTDs for corpuscular diagnostics in plasma experiments. Deformation of craters by heat effects, 25th International Conference on Nuclear Tracks, 04-09.09.2011, Puebla, Mexico
- [39] *M. Mayer, M. Balden, E. Fortuna-Zaleśna, A. Hakola, K. J. Kurzydłowski, S. Lindig, R. Neu, M. Pisarek, M. Rasiński, K. Roźniatowski, K. Schmid, and K. Sugiyama*: ASDEX Upgrade Team: Long-term evolution of tungsten surfaces in ASDEX Upgrade, 13th International Workshop on Plasma-Facing Materials and Components for Fusion Applications, 09-13.05.2011, Rosenheim, Germany
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- [41] *T. Pisarczyk, A. Kasperczuk, T. Chodukowski, Z. Kalinowska, S.Yu. Guskov, N.N. Demchenko, J. Ullschmied, E. Krousky, M. Pfeifer, K. Rohlena, J. Skala, and P. Pisarczyk*: Al plasma jet formation in result of compression of Al plasma stream by surrounding the light plastic plasma. IFSA 2011-Inertial Fusion Sciences and Application, 11.09 -17.09.2011, Bordeaux, France
- [42] *P. Rączka*: HEDP and FI-related experiments at PETAL using Laser-Induced Cavity Pressure Acceleration. Workshop: Physics with PETAL, 06-10.12.2011, Bordeaux, France
- [43] *P. Rączka, J. Badziak, S. Borodziuk, T. Chodukowski, S. Jabłoński, Z. Kalinowska, A. Kasperczuk, P. Parys, P. Rączka, M. Rosiński, and J. Wołowski*: Report on works performed by IPPLM within the Inertial Fusion Energy -Keep-in-Touch Activity in 2011. Meeting of IFE_KiT WG, 09-11.11.2011, Brussels, Belgium
- [44] *V. Rohde, M. Balden, N. Endstrasser, B. Reiter, E. Fortuna-Zaleśna, M. Rasiński, F. Brochard, S. Bardin, J.L. Briancon, and N. Ashigawa*: Dust investigations at IPP: Statistic relevant dust collection in AUG and LHD, F4E dust monitor and fast camera evaluation, IAEA CRP, 29.11-01.12.2011, Vienna, Austria
- [45] *J. Rządkiwicz*: Design of T-GEM detectors for X-ray diagnostics on JET. 2nd International Conference Frontiers in Diagnostic Technologies, 28-29.11.2011, Frascati, Italy
- [46] *A. Szydłowski, A. Malinowska, M. Jaskóła, A. Korman, K. Malinowski, and M. Kuk*: Feasibility study of Nuclear Track Detectors of the PM-355 type, 25th International Conference on Nuclear Tracks, 04-09.09.2011, Puebla, Mexico
- [47] *A. Szydłowski, A. Malinowska, M. Jaskóła, A. Korman, and M. Kuk*: Futher investigation of modern SSNTD, Plasma 2011- International Conference on Research and Applications of Plasmas, 12-16.09.2011, Warsaw, Poland
- [48] *U. Woźnicka, K. Drozdowicz, J. Dankowski, B. Gabańska, A. Igielski, A. Kurowski, B. Marczevska, and T. Nowak*: Diamond as a detector of fast ions, XLI Zjazd Fizyków Polskich Lublin 2011, 04-09.09.2011, Lublin, Poland