

MEETINGS IN PHYSICS 2009 – PROGRAM

THURSDAY 26.02.2009 (A415)

10.00 - 10.15 Opening

Optics, Electronics, Condensed Matter and Materials Science – Chairman: M. Abrashev

- 10.15 - 10.30 Alexander Gaydardzhiev, High energy near IR pulses from a two stage broadband OPA based on collinear interaction in Bismuth Triborate
- 10.30 - 10.45 Boyan Hadjistamov, Measurement of Dielectric Substrate Parameters Using Split-Post Dielectric Resonator assisted by 3D Simulators
- 10.45 - 11.00 Христина Башева, Лазерен фототермичен анализ на материални среди
- 11.00 - 11.15 Ivaylo Ivanov, Role of the input spectral phase on the output parameters in some nonlinear optical processes
- 11.15 - 11.30 Христина Башева, Поведение на протеиновите монослое на ССКП на ФСП на фазовата граница вода/въздух
- 11.30 - 11.45 Tsvetina Evgenieva, Measurements of the planetary boundary layer development and aerosol optical depth over urban area by lidar and sun photometer
- 11.45 - 12.00 Vladislav Antonov, First Principles Study of Electronic and Crystallographic Structure and Elastic Properties of Calcium Hydroxylapatite
- 12.00 - 12.15 Hristo Iliev, Development of a passively mode-locked all solid-state diode-pumped Nd laser

Physics of the Earth, Theoretical, Computational, and Elementary Particles Physics – Chairman: A. Proykova

- 13.45 - 14.00 Angelina Todorova, Impact of global warming on precipitation from midlatitude mixed-phase convective clouds – numerical simulations
- 14.00 - 14.15 Boryana Markova, Instability indices as an indicator of thunderstorms in the East Bulgaria
- 14.15 - 14.30 Deyan Radulov, Test Experiments with LaBr₃(Ce)
- 14.30 - 14.45 Denitsa Staicova, New root-finding algorithm for systems of complex-valued equations and their application in astrophysics.
- 14.45 - 15.00 Elena Lilkova, Computer simulations of human interferon gamma binding
- 15.00 - 15.15 Igljka Lessigiarska, Optimization of Resistive Plate Chambers for Positron Emission Tomography
- 15.15 - 15.30 Ivan Tabanliyski, Simulation of electron avalanche development in high electric fields
- 15.30 - 15.45 Dimo Arnaudov, Exact Solutions of the Dynamical Equations for Massive Scalar Field in Schwarzschild and Kerr Metrics.