

MEETINGS IN PHYSICS 2008 – PROGRAM

FRIDAY 22.02.2008 (A415)

10.00 - 10.15 **Opening**

Electronics and Condensed Matter – Chairman: M. Abrashev

- 10.15 - 10.30 Alexander Gaydardzhiev, Ultra-broadband continuum amplification in the near-IR using BiB₃O₆ nonlinear crystals pumped at 800 nm
- 10.30 - 10.45 Kapka Vaseva, Sub-Doppler spectroscopy of Cs-vapour layers with thickness less than the irradiating light wavelength
- 10.45 - 11.00 Petko Todorov, Absorption spectra study of Cs-vapour layer with thickness close to the wavelength of the irradiating light
- 11.00 - 11.15 Silvia Abarova, Fluorescence and Raman Characteristics of Photosystem II Particles
- 11.15 - 11.30 Alexander Gaydardzhiev, Ultrabroadband operation of a femtosecond optical parametric generator based on BiB₃O₆ in the near-IR
- 11.30 - 11.45 Vladislav Antonov, Density-functional study of electronic and structural properties of titanium nitride

Theoretical, Computational, and Elementary Particles Physics – Chairman: R. Tsenov

- 13.30 - 13.45 Milena Dyulendarova, Study of $\pi^0 \rightarrow e^+e^-e^+e^-$ Branching Ratio
- 13.45 - 14.00 Denitsa Staicova, New model of the Central Engine of Gamma Ray Burst
- 14.00 - 14.15 Galina Vankova, Study of η -Meson Production in $dd \rightarrow \alpha\eta$ Reaction
- 14.15 - 14.30 Hristina Popova, Static and dynamic properties of tethered membranes: A Monte Carlo simulation study
- 14.30 - 14.45 Mirena Ivova Rikova, Shashlyk type photon veto detector
- 14.45 - 15.00 Galya Deyanova, A systematic comparison of the properties of band structures in the $A = 130 \sim 140$ mass region