

# MEETINGS IN PHYSICS 2010 – PROGRAM

FRIDAY 26.02.2010 (A415)

9.30 - 9.45

## Opening

(PACS 00 - 60) – Chairman: A. Proykova

- 9.45 - 10.00 Nickolay Todorovsky, Construction of a bilayer ion-beam shielding - a Monte Carlo simulation
- 10.00 - 10.15 Stanimir Kisyov, Fast-timing measurements in  $^{103}\text{Cd}$ ,  $^{105}\text{Cd}$  and  $^{107}\text{Cd}$  nuclei
- 10.15 - 10.30 Antoaneta Damyanova, Search for MSS in  $^{140}\text{Nd}$
- 10.30 - 10.45 Rositsa Topchiyska, Multipolarity measurements in  $^{118}\text{Te}$  nucleus
- 10.45 - 11.00 Doycho Karagyozov, Study of states with mixed proton-neutron symmetry of  $^{94}\text{Mo}$  and  $^{96}\text{Ru}$
- 11.00 - 11.15 Милена Иванова, Лазерна спектроскопия на LiCa
- 11.15 - 11.30 Ivan Lesov, Drop Breakage in Highly Concentrated Emulsions
- 11.30 - 11.45 Kaloyan Pavlov, Theoretical study of gas pressure influence on surface-wave-sustained discharge
- 11.45 - 12.00 Todor G. Bogdanov, Coaxial discharge: modelling and applications
- 12.00 - 12.15 Stefan Karatodorov, Monte Carlo simulation in a sputtering hollow-cathode discharge for laser applications
- 12.15 - 12.30 Kalina Todorova, Ellipsometric characterization of new quaternary chalcogenide glasses of Ge-Sb-(S,Te) system
- 12.30 - 12.45 Dobrina Borisova, Band Gap Dependence on Carbon Nanotube Diameters and Vacancy Density in Single Wall Carbon Nanotubes
- (PACS 70 - 90) – Chairman: M. Abrashev
- 13.45 - 14.00 Igljika Asenova, Tunnel effects in AlN/GaN heterostructures
- 14.00 - 14.15 Anna Atanasova, Magnetic methods for detection of soil erosion of agricultural land
- 14.15 - 14.30 Nina Petkova, Preparation and optical properties of transparent zirconia sol-gel materials
- 14.30 - 14.45 Konstantin Golemanov, Bubble breakup in steadily sheared foams
- 14.45 - 15.00 Kaloyan Zlatkov, Near Field Measurements of Planar Antennas and Microwave Devices
- 15.00 - 15.15 Hristo Kolev, Liposomes as model membrane systems in biophysical experiments
- 15.15 - 15.30 Yana Baldzhiyska, Total internal reflection microscopy
- 15.30 - 15.45 Daniela Todorova, Degree of environmental pollution in Sofia deduced by magnetic proxy studies of urban street dust
- 15.45 - 16.00 Boriana Markova, Instability indices as an indicator of thunderstorms developed over inland and along the coast in East Bulgaria
- 16.00 - 16.15 Vesselina Kalinova, Dark matter in galaxies and galaxy clusters
- 16.15 - 16.30 Tito Trifonov, MMRD relationship for novae in M31 galaxy
- 16.30 - 16.45 Toshko Karadzhov, Stellar populations in the bulge of M31 galaxy
- 16.45 - 17.00 Hristo Iliev, 1.3  $\mu\text{m}$  Nd:YVO<sub>4</sub> laser, mode locked by second-harmonic generation in bismuth triborate (BiBO) nonlinear crystal