EXTATIC Seminar on Radiobiology
Institute of Nuclear Physics Polish Academy of Sciences,
October 8, 2014 Cracow, Poland

Participants
J.Czapla-Masztafiak, WM.Kwiatek, J. Lekki, A.Panek, Z.Stachura, K.Tkocz, A.Wiecheć - Institute of Nuclear Physics Polish Academy of Sciences, Cracow

L. Juha, L. Vysin - Institute of Physics Czech Academy of Sciences, Prague

D. Adjei, M. Ayele, H.Fiedorowicz, P. Wachulak - Institute of Optoelectronics, Military University of Technology, Warsaw

Programme

9.00 Welcome
W.M. Kwiatek - Introduction
J.Lekki – IFJ microprobes for radiobiology
A.Panek – Detection of radiation-induced DNA damage in human lymphocytes
A.Wiecheć – Radiation induced DNA double strand breaks in cancer cells.
J.Czapla-Masztafiak – Investigating radiation damage in biological samples using spectroscopic methods
L. Juha - Responses of (bio)molecular solids to single sub-nanosecond soft x-ray pulses delivered from the high-power laser-driven plasma source
L. Vyšin - Damage to dry plasmid DNA induced by nanosecond XUV-laser pulses
P. Wachulak - Gas puff target soft X-ray (SXR) sources and applications at MUT

13.00 Discussion & Conclusions