



4TH HAMLET PUBLIC OUTREACH EVENT KRAKÓW, 5TH April 2011



RADIATION AND HUMANS IN SPACE

Organized by the Institute of Nuclear Physics IFJ PAN, Kraków

Topics

- Human Space Exploration
- Hazards from Space Radiation
- How Do We Measure Radiation in Space?
- The MATROSHKA Project
- From Apollo to the ISS
- To Moon, Mars and Beyond

Special Guest:

Mirostaw Hermaszewski
- the first Polish astronaut

PLACE AND TIME:

Polish Academy of Arts and Sciences (PAU)
Sławkowska 17, 9:30 - 15:30 FREE ENTRY

For details see: hamlet.ifj.edu.pl, www.fp7-hamlet.pl

HUMAN MODEL MATROSHKA FOR RADIATION EXPOSURE DETERMINATION OF ASTRONAUTS (HAMLET)

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Opening	9:30 9:40
Introduction to MATROSHKA experiment (in Polish) P. Bilski, IFJ PAN, Kraków, Poland	9:40 10:00
50 years of human presence in space (in Polish) M. Hermaszewski, Poland	10:00 10:45
<i>Coffee break</i> <i>Poster and MATROSHKA exhibition</i>	10:45 11:15
To the Moon, Mars and Beyond M. Hajek, ATI Vienna, Austria	11:15 11:40
History of space radiation research G. Reitz, DLR, Cologne, Germany	11:40 12:05
From MATROSHKA to HAMLET T. Berger, DLR, Cologne, Germany	12:05 12:30
<i>Coffee break</i> <i>Poster and MATROSHKA exhibition</i>	12:30 13:00
Active instruments to measure radiation – in space S. Burmeister, CAU, Kiel, Germany	13:00 13:20
Thermoluminescence dosimetry (in Polish) P. Bilski, IFJ PAN, Kraków, Poland	13:20 13:40
Nuclear Track Etch Detectors J. Palfalvi, KFKI AEKI, Budapest, Hungary	13:40 14:00
Neutron dosimetry L. Hager, HPA, Chilton, United Kingdom	14:00 14:20
Radiation transport using Monte Carlo methods L. Sihver, CUT, Göteborg, Sweden	14:20 14:40
<i>Coffee break</i> <i>Poster and MATROSHKA exhibition</i>	14:40 15:30