

Einladung zum Kolloquium

Am Freitag, den **23. Januar 2009, 15:30 Uhr**, im SR 224 spricht

Herr Prof. Dr. Alok Srivastava

Chemistry Department, Panjab University, Chandigarh, India

zum Thema:

Synthesis, Characterization and Application of Swift Heavy Ion Modified Insulating / Conducting Polymers

The study of ion beam modification of polymers is now a well established area of material science research. The increasing application of polymers in hard radiation environments similar to those encountered in space-crafts, satellites, nuclear power plants, particle accelerators, sterilisation irradiators etc. has given fresh impetus to such studies.

The physico-chemical characteristics of pristine as well as swift heavy ion modified polymers of polyethylene terephthalate (PET), polyvinyl chloride (PVC) and polyvinyl chloride-polyaniline (PVC-PANI) in terms of their chemical, structural, thermal, optical and electrical properties will be discussed.

The modified polymeric materials showed appreciable change in their physico-chemical properties. The changes were observed to have strong dependence on the total energy deposited in the polymeric system.

It is envisaged that the new materials so synthesized have potential for application in light weight electronic devices as well as gas sensors.

Ort: SR 224, Fakultät für Physik und Geowissenschaften, Linnéstr. 5, 04103 Leipzig

Alle Interessenten sind zu diesem Vortrag herzlich eingeladen.

Prof. Dr. Evamarie Hey-Hawkins
Sprecherin der Graduiertenschule BuildMoNa

Prof. Dr. Tilman Butz
Institut für Experimentelle Physik II

Nähere Informationen bei Herrn Professor Dr. T. Butz, Tel.: 32701