

Session Program

Sep 23 - 25, 2026

MAT Collaboration Meeting 2026

Session 4: Ion-Beam Modification of Nanomaterials and Molecules

GSI, KBW lecture hall
Planckstr. 1 64291 Darmstadt / Germany

Thu, September 24

4:20 PM

Session 4: Ion-Beam Modification of Nanomaterials and Molecules

Session | **Location:** GSI, KBW lecture hall, Planckstr. 1 64291 Darmstadt / Germany | **Convener:** Schubert, Ina

4:20 – 4:40 PM

Nanopore formation in graphene oxide by heavy-ion irradiation in the intermediate electronic stopping power regime

Speaker

Olejniczak, Andrzej

4:40 – 5:00 PM

Radiation-induced damage in polymer thin films: energy deposition, spatial confinement, and damage cross sections

Speaker

Thomaz, Raquel

5:00 – 5:20 PM

Swift Heavy Ion-Induced Modifications in Nanostructures and Thin Films

Speaker

Schubert, Ina

5:20 – 5:40 PM

Swift Ion Irradiation related to Organic Molecules in Space

Speaker

Rothard, Hermann

5:40 – 6:00 PM

M3: Ion irradiation and in situ analysis for applications in astrochemistry

Speaker

Koch, Frieder

6:00 – 6:20 PM

Discussion

Speaker

Schubert, Ina

6:20 PM