International Atomic Energy Agency (IAEA)
Technical Meeting TM-52976

Ion Beam-Induced Spatio-Temporal Structural Evolution of Matter: Towards New Quantum Technologies

23 - 27 May 2016 - Palazzo del Rettorato, Università di Torino - via Po 17, Torino

Purposes

Discuss the state of the art and new developments of ion beam techniques to induce and characterize the spatio-temporal structural evolution of materials

Provide a forum to exchange ideas and suggest collaborative research activities

Topics

Modeling and experimental benchmarking of ion cascades in the time domain

Development of time- and spatially resolved ion beam irradiation techniques

High temperature superconductivity tailored by ion beams

Dynamics of spin qubit and color center formation in semiconductors (silicon, diamond, boron nitride, silicon carbide)

Radiation effects in 2D materials and interfaces

Co-chairs

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