

UNIVERSITÀ DEGLI STUDI DI MODENA E REGGIO EMILIA Dipartimento di Scienze Chimiche e Geologiche

PRESENTS

DYNAMICS OF DISORDERED MATERIALS FROM MICROMETERS TO INTERATOMIC DISTANCES WITH X-RAY PHOTON CORRELATION SPECTROSCOPY

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Tuesday, 10th December 2024 15:00 Room U int.4 (Dept. DSCG - Via Campi, 103)

X-ray Photon Correlation Spectroscopy (XPCS) is a recently developed technique that relies on newer synchrotron light sources. Its versatility makes it a powerful tool to investigate out of equilibrium systems over a large range of length and time scales. Here, I will present some experimental examples of measurements in which the dynamics is observed in the micron to nm range in gelling systems and from tens of nm to Angstrom in glasses.



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