

SwissFEL Photonics: "Pump Laser Workshop"



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ESB - Talk 2: Ultrafast dynamics in strongly correlated systems: from melting to control

Friday 16 November 2012 11:55 (30 minutes)

X-ray free electron lasers offer unique and exciting possibilities for studying the real-time dynamics of atomic scale structure in materials when the x-rays are used as a probe. Such experiments, however, also require an appropriate stimulus of dynamics. In this talk I will discuss the different types of "pump" pulses that we can anticipate as relevant for such experiments, with some emphasis on current developments in this area relevant for the study of multiferroics and ferroelectric materials.

Presenter: JOHNSON, Steven