

## SwissFEL Workshop 2: Scattering and diffraction experiments



Contribution ID: 6

Type: **not specified**

### Possibilities for nonlinear x-ray scattering with SwissFEL

*Monday 21 November 2011 10:35 (5 minutes)*

The high peak spectral brilliance of SwissFEL will provide new opportunities to study the nonlinear interaction of x-rays with matter. for example, impulsive stimulated scattering can be used to control and manipulate coherent populations of material excitations with a flexibility not possible with nonlinear processes at optical wavelengths. This poster will discuss some of the required characteristics for such experiments at SwissFEL.

**Primary author:** Dr JOHNSON, Steven (ETH Zurich)

**Presenter:** Dr JOHNSON, Steven (ETH Zurich)

**Session Classification:** Poster Presentation