

Fakultät für Mathematik



Mathematisches Kolloquium

EINLADUNG

Prof. Dr. Maïtine Bergounioux

(Université d'Orléans, France)

**“Reconstruction from diffusion radiography
images”**

“Reconstruction from diffusion radiography images”

Abstract:

Transmission radiography is a very classical method to detect objects inside an opaque body. However, it is not always available and one uses then diffusion radiography: the photons are reemitted and the object to detect becomes the X-ray source. The signal is highly attenuated and reconstruction artefacts appear because of near field context. We present the problem and the practical issue and methods to perform satisfying reconstructions.

**Zeit: Mittwoch 3. Dezember 2014
15.45 Uhr Kaffeejause,
anschließend 16.15 Uhr Vortrag**

**Ort: Fakultät für Mathematik,
Oskar-Morgenstern-Platz 1,
Sky Lounge**

Otmar Scherzer
Harald Rindler