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## **【706】 From omnidirectional sensitivity to polarized dark-field image with neutron grating interferometry**

*Thursday 29 August 2019 16:00 (20 minutes)*

Neutron grating interferometry (nGI) is an established neutron imaging method that has found successful application in a wide range of scientific fields such as soft matter, magnetism and superconductors.

Here we present the latest developments that enable to achieve directional sensitivity of the scattering signal and retrieve quantitative information about the phase shift induced by the magnetic potential.

**Authors:** VALSECCHI, Jacopo (PSI - Paul Scherrer Institut); Dr HARTI, Ralph P. (PSI); Dr KAGIAS, Matias (PSI); Prof. STROBL, Markus (PSI); Dr GRÜNZWEIG, Christian (PSI)

**Presenter:** VALSECCHI, Jacopo (PSI - Paul Scherrer Institut)

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