



Contribution ID: 58

Type: Poster

## Status Update about T-REX: The Bispectral Chopper Spectrometer at ESS

T-REX is a bispectral direct geometry spectrometer currently under construction at the ESS. T-REX looks at both the thermal and cold moderators at ESS, enabling users to study excitations with incident neutron energies ranging from 2 to 160 meV. A key feature of T-REX is its advanced XYZ polarisation analysis capability, which greatly enhances the scope of possible experiments on a direct geometry spectrometer.

This talk will present the scientific capabilities of T-REX and benchmark its performance against existing direct geometry spectrometers in Europe. In addition, a status update on the instrument's construction will be given, highlighting technical progress and key milestones achieved.

### Session

Instrumentation

**Primary author:** AOUANE, Mohamed

**Co-authors:** Prof. ORECCHINI, Andrea (Physics and Geology Department - University of Perugia); Dr FRANZ, Christian (Forschungszentrum Jülich); VOIGT, Joerg (Forschungszentrum Jülich GmbH)

**Presenter:** AOUANE, Mohamed

**Session Classification:** Instrumentation