

BIFROST: an indirect geometry spectrometer at ESS

Wednesday, 4 June 2025 09:00 (30 minutes)

The first neutrons from the European Spallation Source are expected to arrive on November 9, 2025. BIFROST will be the first operating spectrometer at ESS. BIFROST is an indirect geometry instrument. It will explore quantum materials, for example, to understand the role of magnetism in superconductors, as well as to measure phonon and magnon spectra in functional materials. The instrument will be ready for startup at ESS (delivered to ESS in september 2025). In 2026, there will be an initial commissioning period with test measurements, followed by a second period for the first scientific measurement. I will review the key features of BIFROST and discuss the expected first science.

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Session Classification: Invited speakers