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## Silver Jubilee for the OSIRIS spectrometer: Achievements and Outlook

*Tuesday, 21 March 2023 16:00 (2 hours)*

In December 1997 the OSIRIS beamline at the ISIS Facility, UK, recorded its first neutron spectrum. The instrument enjoyed a first stint as a cold neutron diffractometer before the spectroscopic capabilities were fully commissioned. OSIRIS soon became a workhorse QENS spectrometer as well a highly successful cold neutron excitations spectrometer. The status of the instrument is recognized by the user community with high-impact publications ranging from energy materials over life science to quantum matter. Just now a new silicon analyser is under construction to extend the resolution capabilities. Within the Endeavour programme the primary spectrometer will be upgraded with an up to an order of magnitude increased flux. Beyond these developments further improvements of the energy resolution with a combination of a fast pulse shaping chopper and using a direct backscattering geometry are being investigated.

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