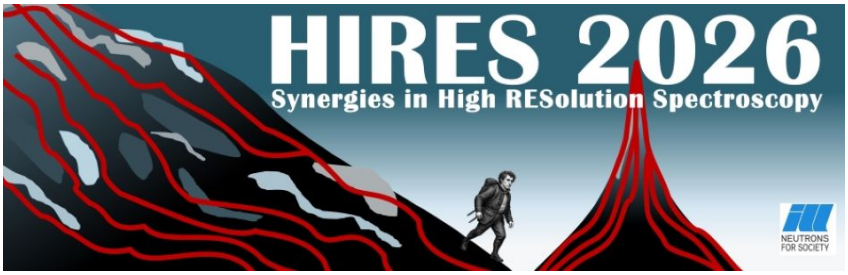


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# High resolution crystal analyzer spectrometers for long pulse neutron sources

We discuss different concepts to realize crystal analyzer spectrometers at long pulse neutron sources. For the novel High Current Accelerator driven neutron sources, crystal arrays designed for large acceptance enable resolutions down to 10 μeV with reasonable detector count rates.
For the ESS we present a concept that might enable neV resolution by using GaAs monochromators and analyzers and the full pulse of the ESS. The design enables the use of elastic and inelastic fixed window scans. As a special feature it extends the dynamic range by combined analysis of the fundamental Bragg reflection and the second order

## Session

Instrumentation

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**Session Classification:** Instrumentation