

Automation of sample alignment for neutron scattering experiments

Monday 26 August 2024 16:00 (2 hours)

Sample alignment in neutron scattering experiments is critical to ensuring high quality data for the users. This process typically involves a skilled operator or beamline scientist. Machine learning has been demonstrated as an effective tool for a wide range of automation tasks. RadiaSoft in particular has been developing ML tools for a range of accelerator applications including beamline automation. In this poster we will present recent developments for selecting and aligning multiple samples at the HB-2A powder diffractometer at HFIR.

Footnotes

Funding Agency

This work is supported by DOE Office of Science Office of Basic Energy Science award number DE-SC0021555.

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Session Classification: Monday Poster Session

Track Classification: MC4: Technology: MC4.5 Other technology