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## Measurement of the Uranium-235 Antineutrino Spectrum by PROSPECT

The Precision Reactor Oscillation and SPECTrum experiment, or PROSPECT, detector is designed to accurately measure the  $^{235}\text{U}$  antineutrino energy spectrum. The detector is located at the High Flux Isotope Reactor (HFIR), an 85 MW highly-enriched uranium (HEU) reactor with short reactor-on periods, such that over 99% of the antineutrino flux comes from  $^{235}\text{U}$ .

This poster presents the latest spectral results from PROSPECT. We compare the resulting spectrum to model predictions, and test the contribution of  $^{235}\text{U}$  towards potential high energy excess as seen in previous spectral measurements performed at nuclear power reactors.

### Mini-abstract

The latest results of the PROSPECT  $^{235}\text{U}$  antineutrino energy spectrum analysis.

### Experiment/Collaboration

PROSPECT Collaboration

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