

Real-time visualization and fitting of dSPACE peaks at VULCAN instrument

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ORNL is managed by UT-Battelle, LLC for the US Department of Energy

Waterfall plot

- Shows evolution of dspace over time
- Implemented in C++ via areaDetector

Peak-fitting

- Implemented using PyDevice. Actual peak-fitting done using scipy's `optimize.curve_fit` function
- Includes statistics on quality of peak fit for automating when to move to the next measurement

Waterfall plot and peak fitting at VULCAN

