

Summary of DAMA Python Data Acquisition Software Tutorial:

This special tutorial session was one software tutorial rather than a series of talks with different speakers. We alternated between 10-15 minute demos and 10-15 minutes of individual experimentation with the software. We used a demo deployment of the software that can be used from an internet browser at try.nsls2.bnl.gov. This will continue to be available to the public.

Our topics included:

- For Beginners: a very quick intro to Python
- Hello Bluesky: an intro to our data acquisition software
- Scans Along One Dimension
- Pause, Resume, and Suspend
- Accessing Saved Data
- Loading Sample Metadata from Excel Spreadsheet (medium-scale automation)
- Interacting with New Hardware: A Simple Compound Device
- N-dimensional Scans

Additional tutorials, which there was not time to cover during the session are available in the demo deployment linked above.