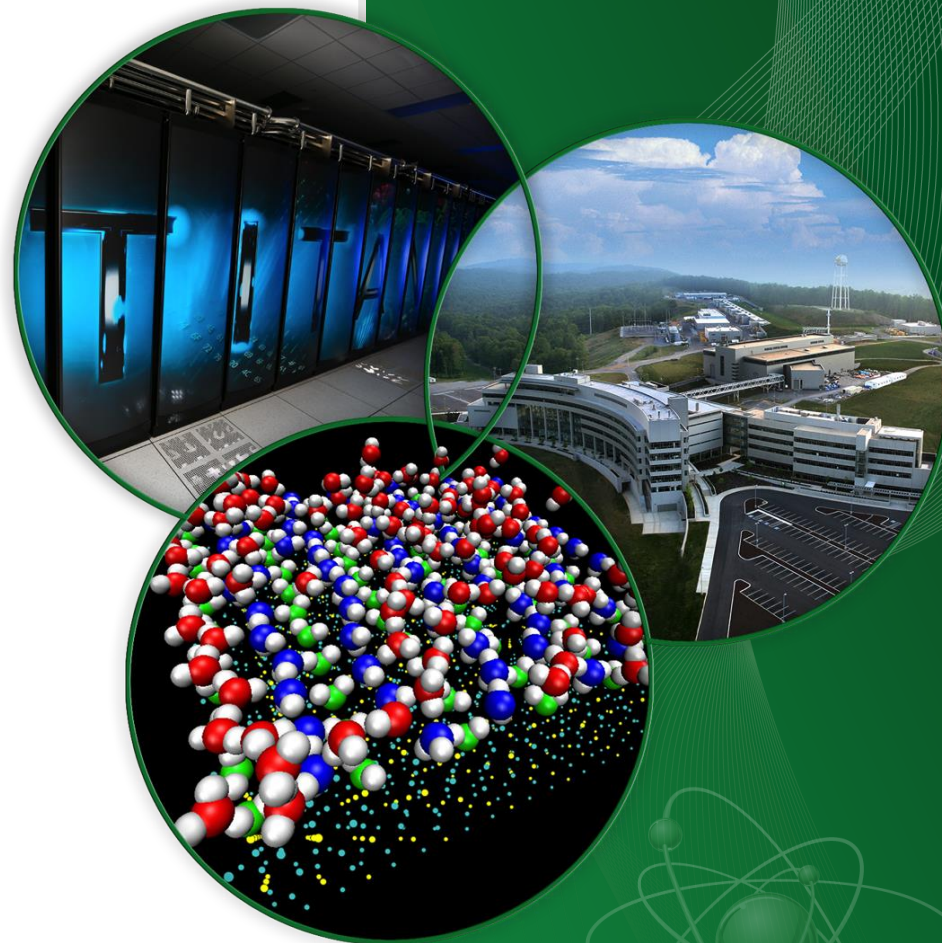


Web based workflows and progress on HFIR SANS



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Functionalities

- Catalog
- Configuration
- Reduction
- Results

Catalog

- Fetch the cataloged data information:
 - IPTSs
 - Data files
 - Data file metadata + thumbnails

Configuration

- Advanced parameters
 - E.g. BioSANS has 5 typical configuration
 - Flood field images / detector calibration
- Can be assigned to:
 - User(s)
 - IPTS

Reduction

- Uses a previously created Configuration
- Accesses the data cataloged:
 - For a certain IPTS
- From the input fields generates a reduction script

Results

- Live Status
 - Of the job (script) submission to the data reduction cluster.
- Live Log
 - While Mantid is reducing the data
- List of all reductions / jobs
- Simple Analysis of $I(q)$:
 - Visualization + Fittings
 - (Summer student will finish...)

Let's see if it works...

- Data Reduction:
 - <http://lealpc.ornl.gov:8000/>
- Data Analysis
 - <http://lealpc.ornl.gov:8888/>