

Scientific Computing at Modern Synchrotron User Facilities

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Brookhaven National Laboratory

The purpose of this workshop was (a) to identify the anticipated needs for scientific computing at synchrotron user facilities, and (b) to recommend a set of strategies and approaches to meet such needs at the future National Synchrotron Light Source II. Topics discussed covered all aspects of scientific computing, including:

- Data handling requirements in typical high-data-rate synchrotron experiments
- Experimental data storage policies and strategies for the short term and long term
- Data reduction and analysis capabilities during user experiments
- Post-experiment data analysis support and accessibility
- Organization structure optimized to achieve the goals