

SNS HFIR User Meeting

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Basic Energy Sciences

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The Basic Energy Sciences Program ...

- ... is one of the Nation's largest sponsors of basic research.
- ... supports research in more than 150 academic institutions and 13 DOE laboratories.
- ... supports world-class scientific user facilities.
- ... is uniquely responsible in the Federal government for supporting research in materials sciences, chemistry, geosciences, and aspects of biosciences related to energy resources, production, conversion, efficiency, and use all in an environmentally conscientious manner.

BES Scientific User Facilities

Light sources

Stanford Synchrotron Radiation Laboratory & SPEAR3 upgrade (SLAC)

National Synchrotron Light Source (BNL)

Advanced Light Source (LBNL)

Advanced Photon Source (ANL)

Linac Coherent Light Source (SLAC) (under construction)

Neutron sources

Intense Pulsed Neutron Source (ANL)

Manuel Lujan, Jr. Neutron Scattering Center (LANL)

High Flux Isotope Reactor (ORNL)

Spallation Neutron Source (ORNL)

Electron beam sources

Electron Microscopy Center for Materials Research (ANL)

National Center for Electron Microscopy (LBNL)

Shared Research Equipment Program (ORNL)

Nanoscale Science Research Centers

Center for Nanophase Materials Sciences (ORNL)

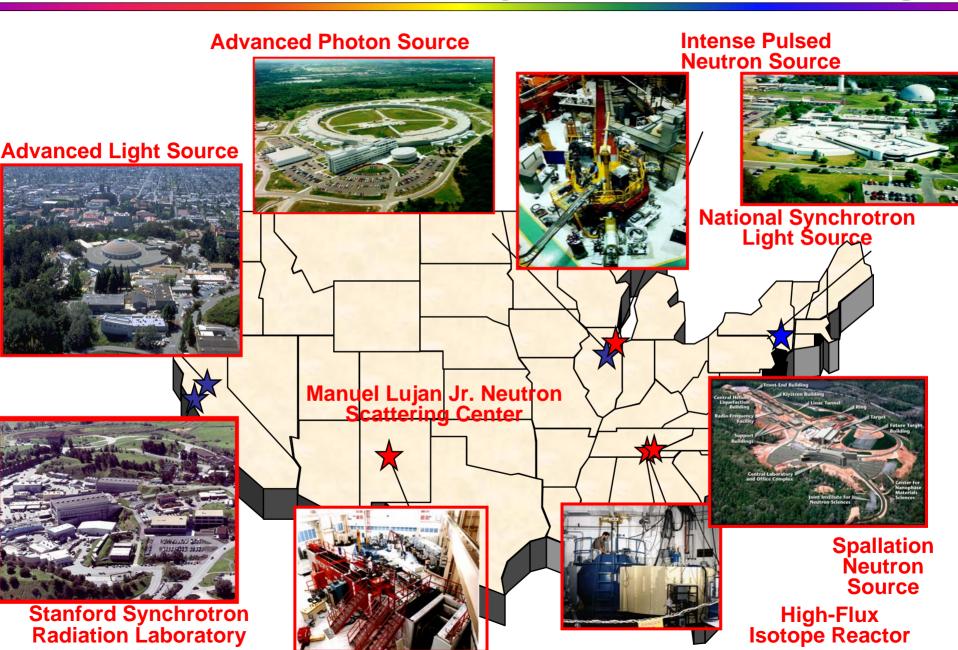
Molecular Foundry (LBNL)

Center for Integrated Nanotechnologies (SNL/A & LANL)

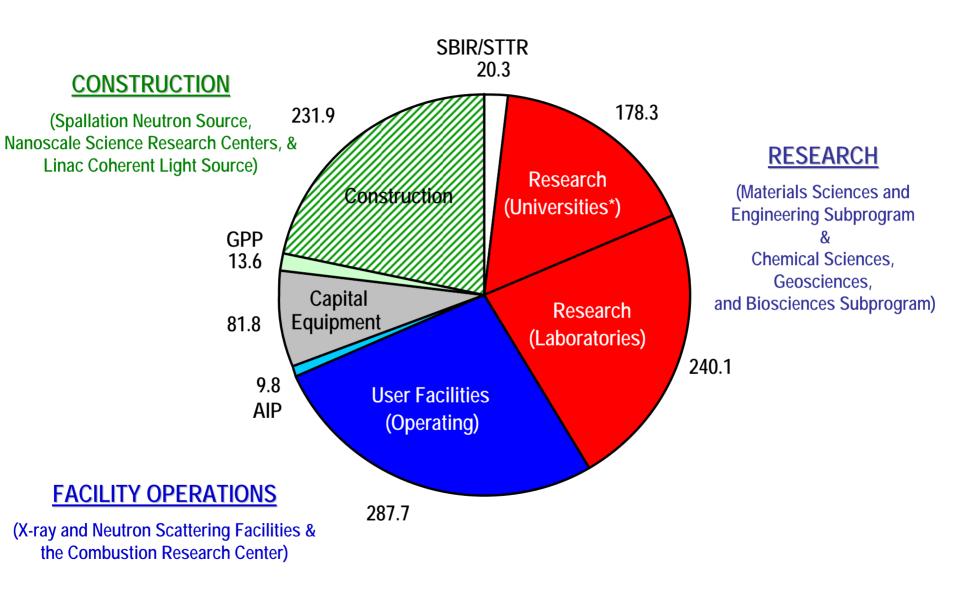
Center for Functional Nanomaterials (BNL)

Center for Nanoscale Materials (ANL with State of Illinois contribution)

BES Facilities for X-ray and Neutron Scattering

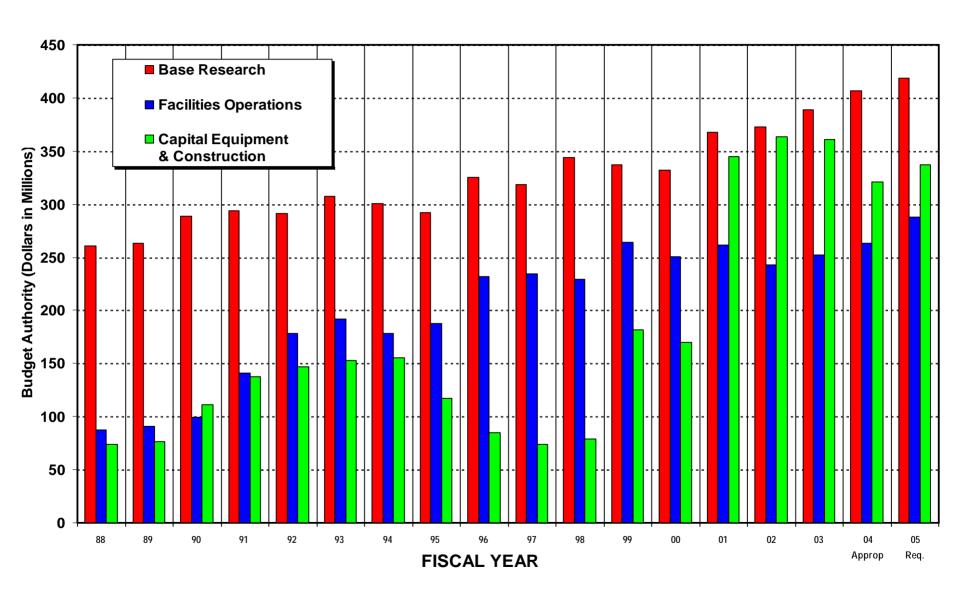


BES FY 2005 President's Budget Request

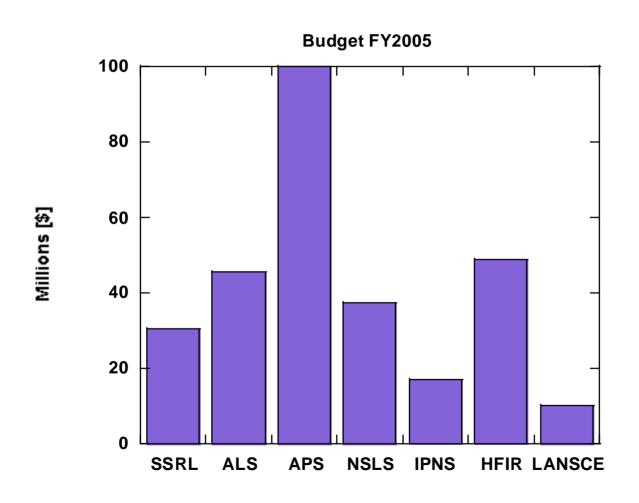


B/A in millions of dollars \$ 1,063.5

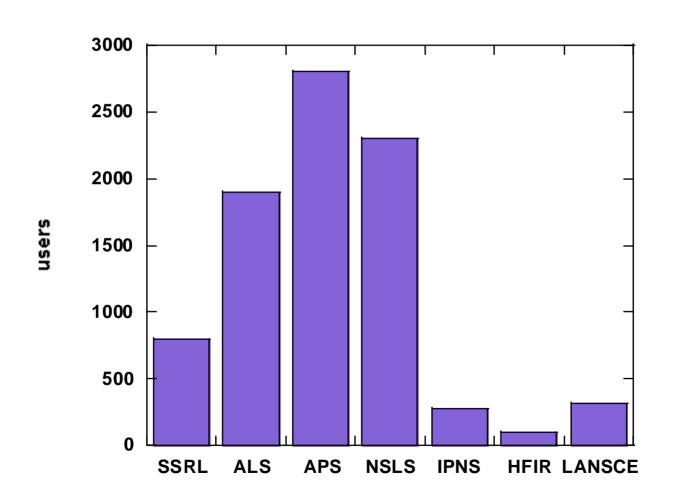
BES Funding Profile 1988-2005



BES FY 2005 Facilities Operation Budgets

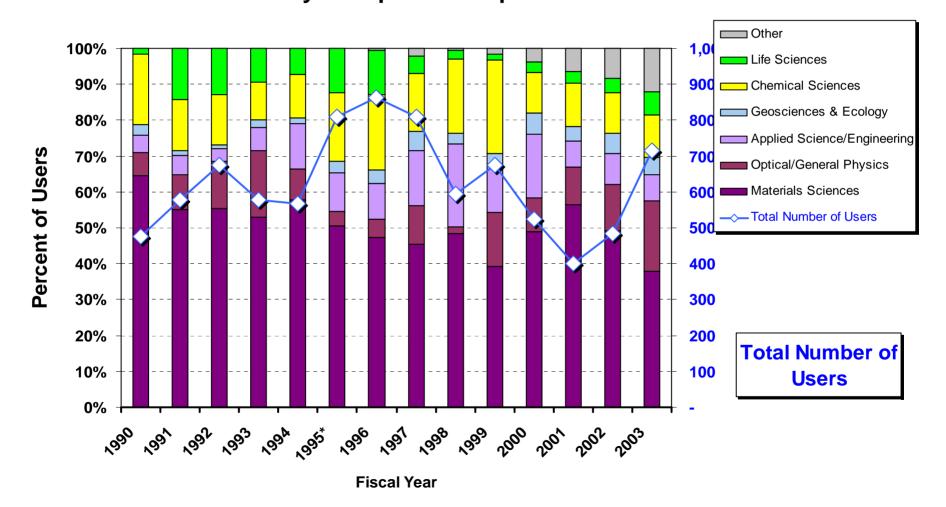


Number of Users by Facility in 2004



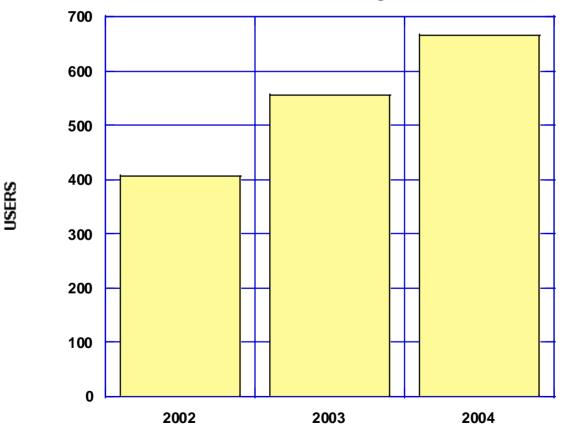
4 BES High-Flux Neutron Sources (HFBR, HFIR, IPNS and LANSCE)

User Profile by Discipline of Experiments



Number of Users at DOE Neutron Scattering Facilities





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