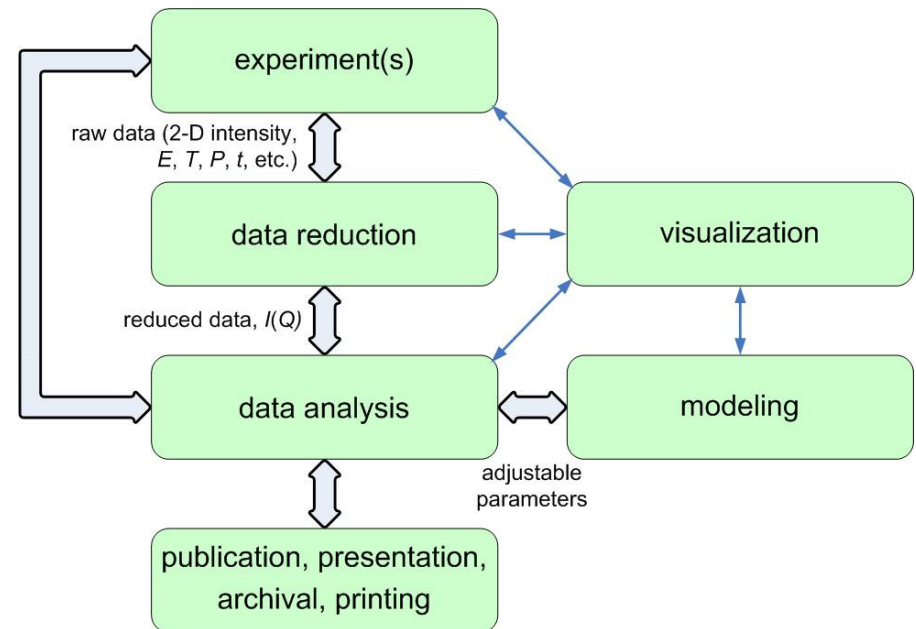


# Objectives for canSAS 2012

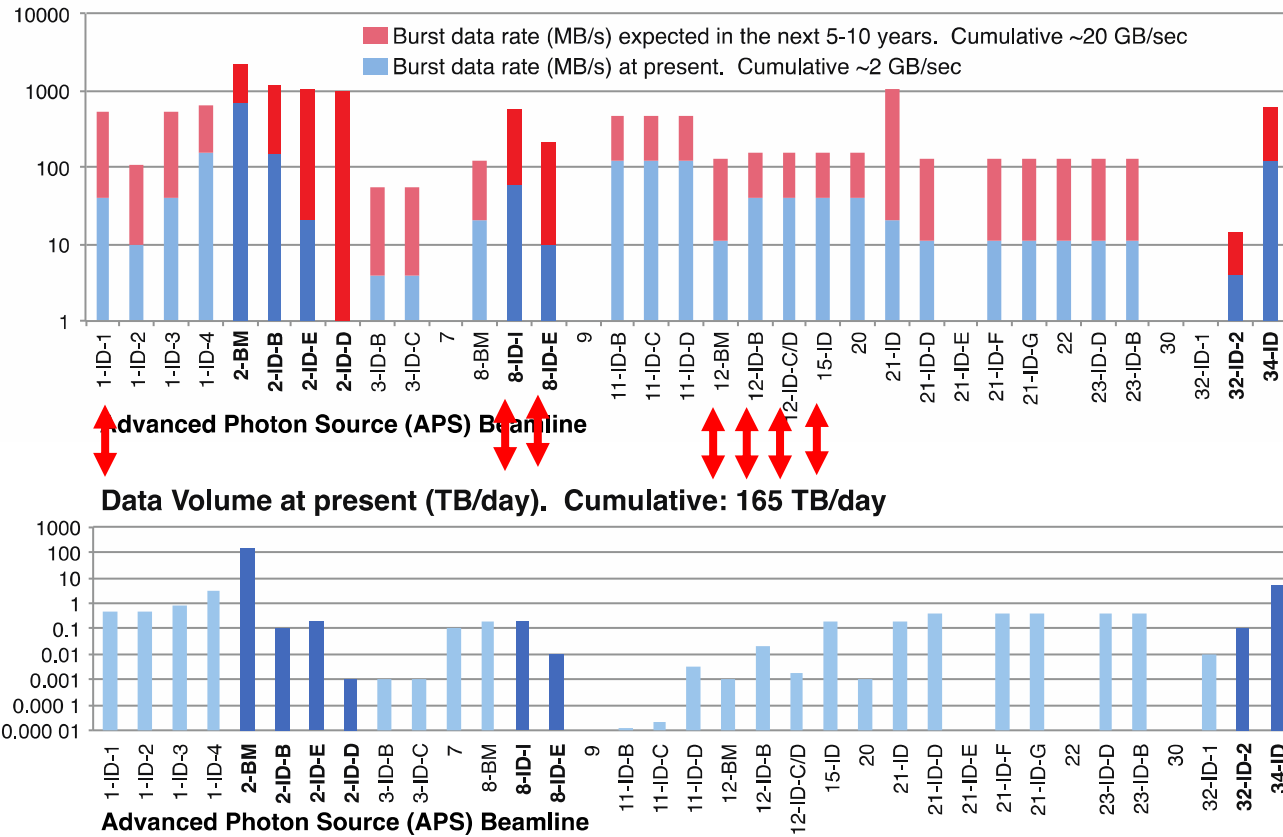
Pete R. Jemian  
Advanced Photon Source  
Argonne National Laboratory, USA

IUCr, Commission on SAS  
NeXus NIAC



*2012 canSAS Workshop, 2012 July 28-31, Uppsala University*

# Data Rates at APS (present and expected)



# Objectives

- Common data format: separate from bio-SAXS standard in IUCr
  - Common 1-D format
    - Broader uptake in the community
    - Tabular data
    - How to add additional data? Is it allowed? Must documentation be improved?
    - Drop some of the fields that are not common
  - Common 2-D (and higher) format
    - Compatibility with multiple techniques (SAXS+WAXS, ASAXS, GISAXS, SAXS(*t*), XPCS, ...)
    - Automated analysis remains contemporary with data acquisition
    - Based on community standards (NeXus or at least HDF5)
- Intensity Standards
  - Working on a NIST glassy carbon standard
- Global Portal
  - What role should canSAS take?
  - What do we recommend the IUCr provide?
- Common Software
  - Existing suite of IgorPro macros (Irena, Indra, Nika)
  - Python-based tools

