

Serial Picosecond Macromolecular Crystallography (SPX)

Principle Developers

Dr. Robert F. Fischetti

X-ray Science Division, Advanced Photon Source, Argonne Laboratory

9700 S. Cass Ave, Lemont IL 60439

Bldg: 436-D002

Phone: 630-252-0660

e-mail: rfischetti@anl.gov

Prof. Dr. Henry Chapman

Center for Free-Electron Laser Science

Notkestrasse 85

22607 Hamburg, Germany

Build. 49, Room 101

Phone: +49 (0)40 8998 4155

e-mail: [henry.chapman\(at\)desy.de](mailto:henry.chapman(at)desy.de)

Abstract

Recently, Henry Chapman proposed that serial crystallography could be performed on a storage-ring based synchrotron source to take advantage of the high repetition rate. This White Paper explores this possibility in relation to the APS-U.