

W0383

High Throughput at the NIGMS East Coast Structural Biology Facility. Jean Jakoncic¹, Marc Alaire¹, Veena Venkatagiriappa¹, Alec Bertson^{1,2}, Anubhav Jain^{1,2}, Vivian Stojanoff¹., ¹Brookhaven National Laboratory, Upton, NY, USA, ²Cornell Univ., Ithaca, NY.

The X6A facility at the National Synchrotron Light Source is dedicated to bio-molecular crystallography. The facility serves expert and non-expert crystallographers from protein purification to atomic coordinates. For high sample throughput an automated sample changer is being commissioned and data collection and analysis is being stream lined through existing software packages. Different packages for precise sample handling based on artificial intelligence code and an automated beam scheduling protocol will be presented.