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Northeastern Collaborative Access Team Beam Lines at the Advanced Photon Source. Steven E. Ealick, Malcolm Capel, Kazimierz Gofron, Igor Kourinov, Christopher Lehmann, Ed Lynch, Craig Ogata, Narayanasami Sukumar, John P. Unik, Jun Wang, James Withrow, LOM 436, APS, ANL, 9700 S. Cass Ave., Argonne, IL 60439, Dept. of Chemistry & Chemical Biology, Cornell Univ., Ithaca, NY 14853.

Northeastern Collaborative Access Team (NE-CAT) is a consortium of scientists organized to develop a structural biology sector at the Advanced Photon Source (APS). The focus of NE-CAT research is structural studies involving technically challenging crystallographic projects. NE-CAT facilities are located at APS sectors 8 and 24. Station 8-BM is nearing operational status and was visited by about two dozen groups during the past year. Sector 24 utilizes a novel APS undulator configuration in which a single straight section will house two independent undulators, resulting in a total of three experimental stations. All of the insertion device hutches have been completed and the two undulators were installed in September, 2003. The first beamline is scheduled for completion this fall and we expect to do the first experiment in this calendar year. The remaining stations will be completed in about one year intervals.

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