

## Edwards Accelerator Laboratory at Ohio University

The Edwards Accelerator Laboratory is located on the campus of Ohio University in Athens, Ohio: <http://edwards1.phy.ohiou.edu/~oual/>. The 4.5-MV tandem Van de Graaff accelerator is equipped with a Cs sputter ion source (H, D, and heavy ion beams) as well as a duoplasmatron source ( $^3\text{He}$  beams). Beam pulsing with nanosecond bunching is available. Excellent capabilities for neutron time-of-flight experiments are provided by a beam swinger together with a well-shielded 30-m tunnel. Monoenergetic neutron production is accomplished using  $(d, n)$  reactions on solid or gaseous deuterium and tritium targets as well as via other reactions. Typical monoenergetic neutron fluxes are  $10^9$  neutrons/sr/sec. NE-213 and lithium-glass scintillators are used for neutron detection. Two other target areas with five beamlines are used for a variety of charged-particle,  $\gamma$ -ray, and neutron experiments. Additional instrumentation includes scattering chambers for charged-particle measurements; large-volume BGO, NaI, and Ge  $\gamma$ -ray detectors; and the W.M. Keck Thin Film Analysis Facility. Beam time requests should be directed to Professor David Ingram [ingram@ohio.edu](mailto:ingram@ohio.edu).