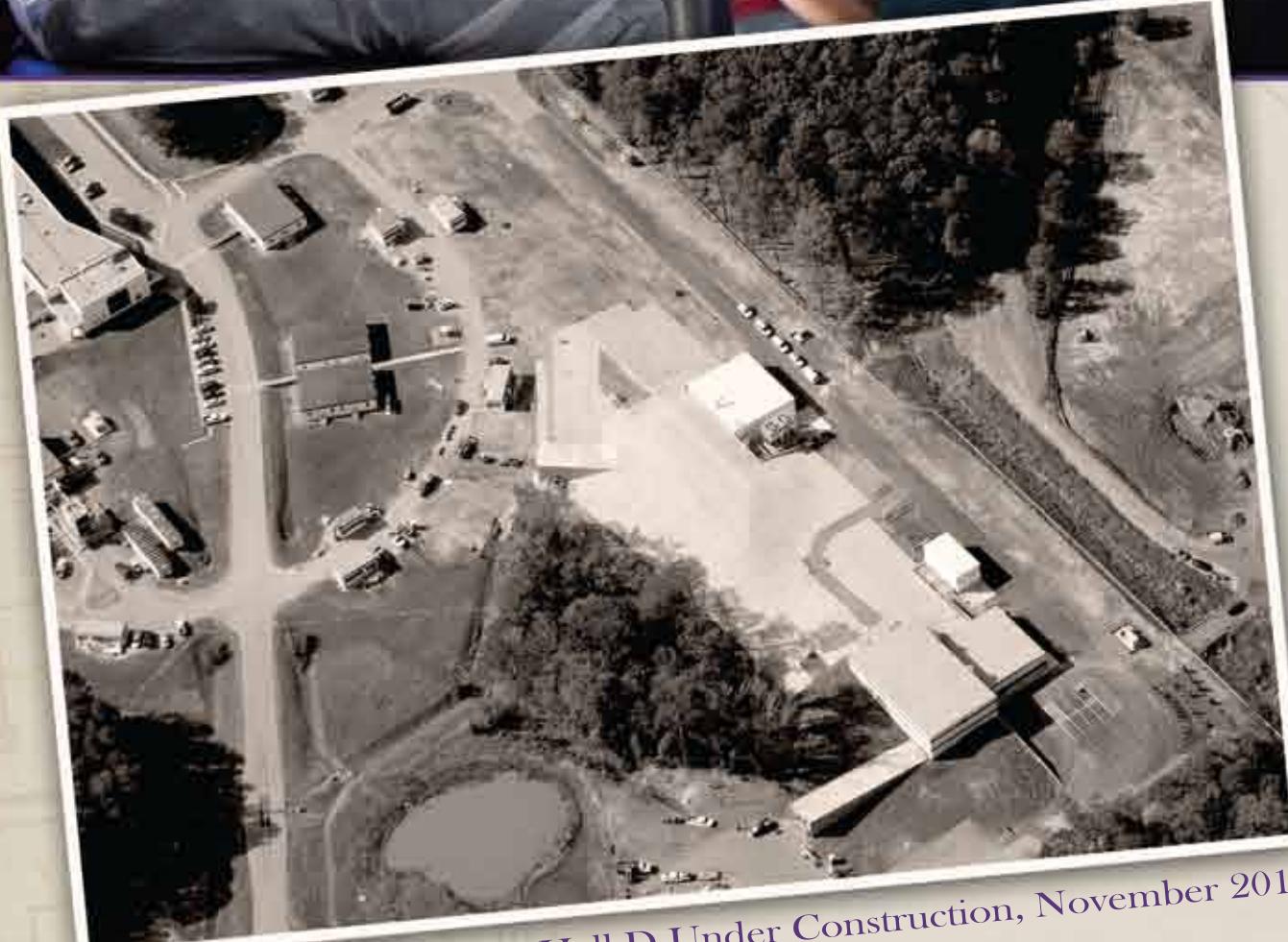


EXPERIMENTAL HALL D

Building a New Experimental Facility



Hall D and Detector Systems Under Construction



Hall D Under Construction, November 2011

The GlueX Large Acceptance Spectrometer with linearly polarized photoproduction for exploring:

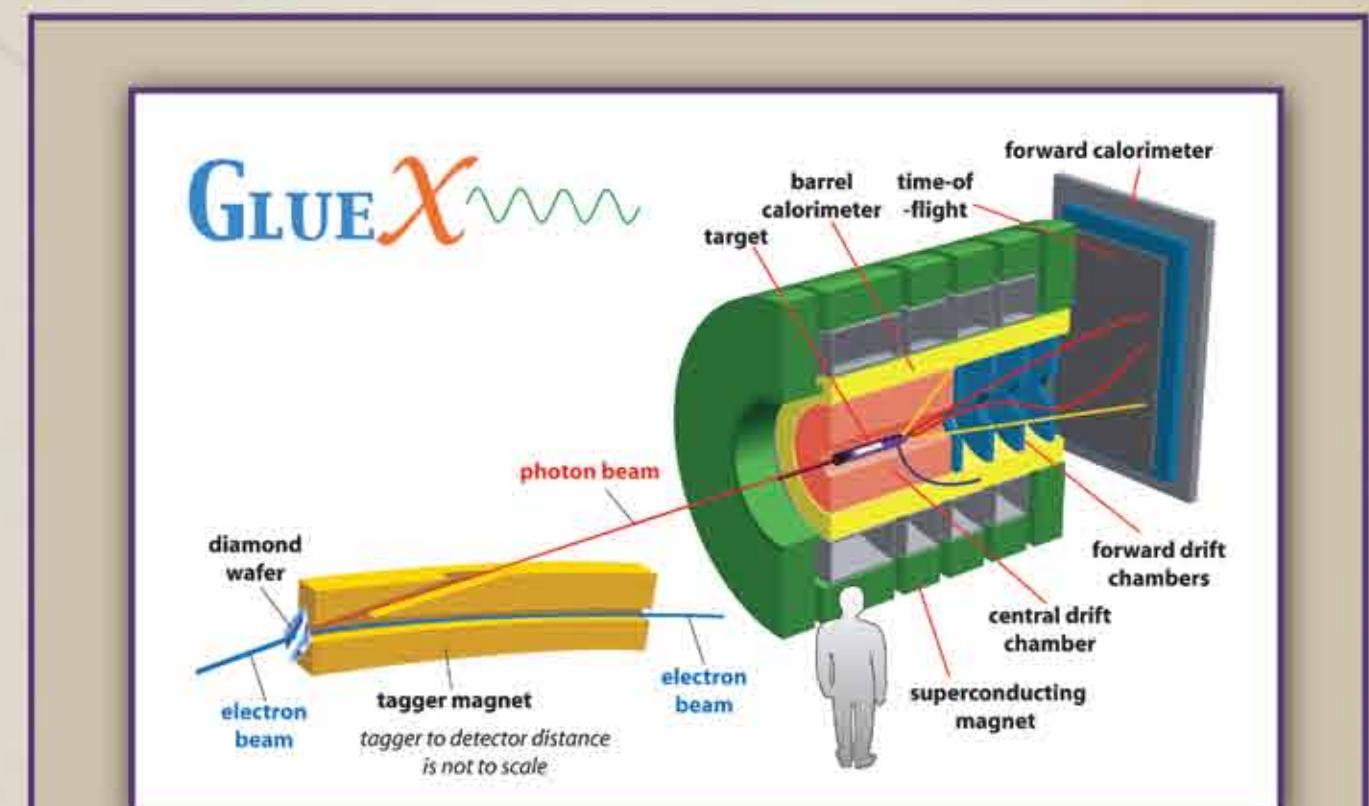
- The spectrum of exotic-quantum-number mesons to reveal the role of gluons in the spectrum of mesons
- Primakov studies of the lifetime of pseudoscalar mesons
- Normal mesons with emphasis on strangeonium states
- Baryon spectroscopy

Collaborators Represent 6 Countries:

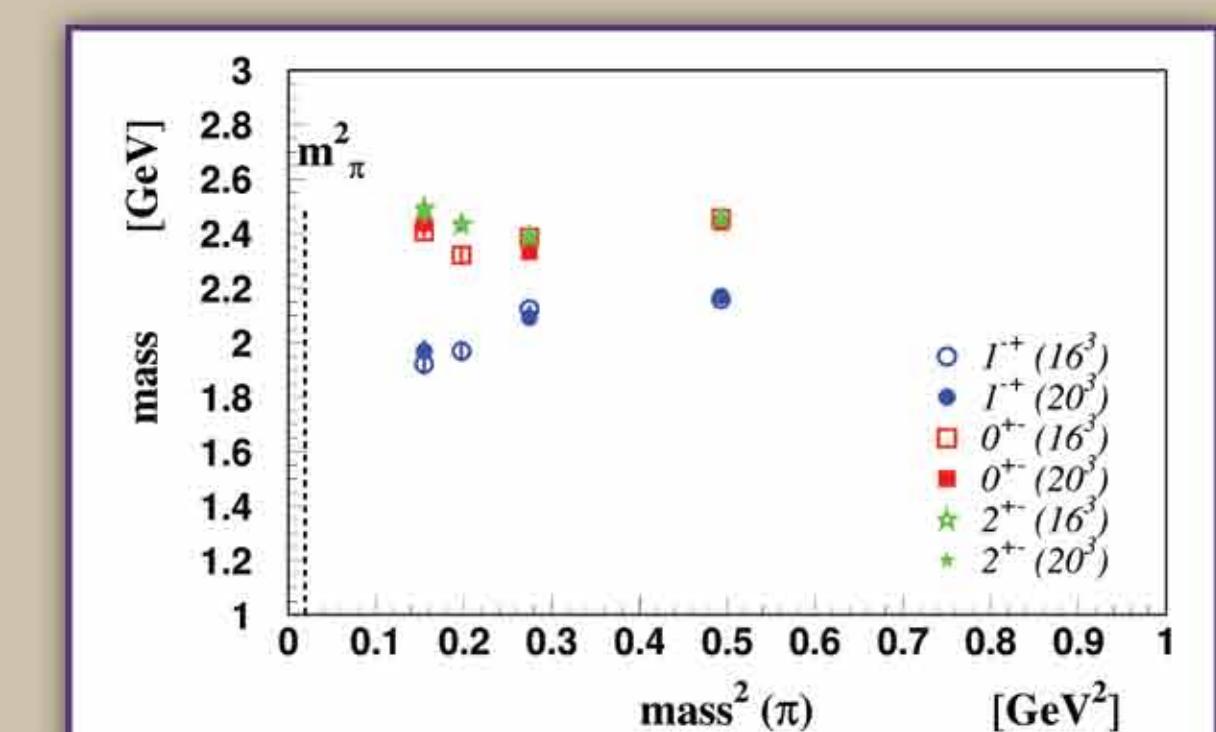
Canada, Chile, Greece, Russia, United Kingdom, United States

And 20 Institutions:

Arizona State University, Carleton University, Carnegie Mellon University, Christopher Newport University, Florida International University, Indiana University, Massachusetts Institute of Technology, National and Kapodistrian University of Athens, National Research Nuclear University MEPhI, North Carolina A&T State University, Old Dominion University, The Catholic University of America, The Florida State University, Universidad Técnica Federico Santa María, University of Connecticut, University of Massachusetts Amherst, University of North Carolina Wilmington, University of Oxford, University of Pittsburgh, University of Regina



The Hall D Gluonic Excitations Experiment (GlueX)



Predicted Mass of Exotic Hybrid Mesons from Lattice QCD Calculations