

The GlueX Experiment at Jefferson Lab

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The GlueX Experiment is an upcoming photoproduction experiment in the newly built Hall D of Jefferson Lab in Newport News, VA. The hermetic detector will have a large acceptance for multi-particle final states, and is ideally suited for studying the spectrum of hadronic resonances. Photons will be created by coherent bremsstrahlung from the upgraded CEBAF electron beam, and a linear polarization of up to 40% is expected within the coherent peak at 9 GeV. Most of the detector systems have already been installed and are waiting for first beam at the end of this year. The primary goal for the experiment will be to map out the spectrum of light mesons, with an emphasis to search for mesons with exotic quantum numbers. The high photon beam energy and detector will also allow searches for excited strange baryon states. In this talk I will discuss the current status of the experiment, as well as analysis techniques and future prospects.