

XVth Quark Confinement and the Hadron Spectrum



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Recent results from GlueX

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The spectrum of hadronic states holds valuable information about the interaction of the strong force. Photoproduction experiments can provide crucial insights due to their ability to produce a wide range of conventional and non-conventional hadrons, such as exotic hybrid mesons with gluonic degrees of freedom.

The GlueX experiment at Jefferson Lab, VA, USA, features a 9 GeV linearly polarized photon beam, incident on a fixed LH2 target. A hermetic detector system with excellent charged and neutral particle identification capabilities surrounds the interaction region and provides coverage for charged and neutral final states. This makes GlueX well suited to study the light meson and baryon spectrum.

This talk will present recent results from GlueX from our initial campaign of data taking.

Primary author: HURCK, Peter (University of Glasgow (GB))

Presenter: HURCK, Peter (University of Glasgow (GB))

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