

Abstract Submitted
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Data Analysis Strategy for Spectroscopic investigation of Lambda hypernuclei in the wide mass region using the (e,e'K) reaction ZHIHONG YE, Hampton University, JLAB HALL-C E05-115 COLLABORATION — The third-generation hypernuclear experiment in Hall C Jefferson Lab, *E05-115*, has successfully finished data taking at the end of October 2009. To obtain high resolution hypernuclei missing mass spectra, a precise optics tuning is crucial to describe properties of two complete new spectroscopes, HKS for Kaon, HES for Electron, as well as a new splitter magnet for (e',K) separation, particle identification for Kaon will help us to get hypernuclei spectra with good S/N ratio and sufficient yield, specially for $^{51}_{\Lambda}\text{V}$, which is the first heavy hypernuclear we investigate, and kinematic calibration is also very important to give correct and precise sub-structure of hypernuclear states. I will briefly discuss our analysis procedure and show some preliminary results.

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