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Lambda Hypertriton Spectroscopy by Electron Scattering at JLab[1] TOSHIYUKI GOGAMI, Graduate School of Science, Kyoto University, JLAB HYPERNUCLEAR COLLABORATION — The simplest bound system with a Λ hyperon is a hypertrion which is an isospin singlet state of three body system. The strong interaction between a Λ and a nucleon (ΛN interaction) has been mainly investigated by using energies of Λ hypernuclei. The Λ binding energy B_Λ of the simplest hypernuclei could give us a strong constraint for the study of ΛN interaction. We are planning to measure the Λ binding energy with an accuracy of $|\Delta B_\Lambda^{\rm total}| < 100$ keV which would be the best accuracy among counter experiments. In the presentation, I will introduce an overview of the experiment (JLab C12-19-002). An expected result and impact for the baryon interaction study will also be discussed.

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