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Preliminary results from Jefferson Lab HKS experiment LULIN YUAN, Hampton University, JLAB HKS COLLABORATION — Jefferson Lab hypernuclear program aims to obtain high resolution hypernuclear spectroscopy in a wide mass region by utilizing high precision electron beam. The second experiment in the program, JLab HKS experiment, which was carried out in 2005, employed an on-target Splitter magnet to detect both scattered e' and K^+ at very forward angles in order to increase hypernuclear yield. The preliminary results from this experiment has demonstrated the ability of this experimental program to obtain high resolution, high statistics spectroscopy. A specially designed calibration procedure for the spectrometer system has enabled us to further improve the energy resolution of the spectra. In this talk, I will present the current updated spectra of ${}^{12}_{\Lambda}$B, ${}^{28}_{\Lambda}$Al and ${}^{7}_{\Lambda}$He. The experimental setup and spectrometer calibration procedure will also be described.

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