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A possible observation of nn continuum structure and bound NN structure by using the ${}^3\text{H}(e,e\text{K}^+)\text{nn}$ reaction BISHNU PANDEY, Hampton University — The E12-17-003 Experiment was carried out successfully at Jefferson lab in 2018 by considering tritium as production target. By utilizing the Hall A high resolution spectrometers and the ${}^3\text{H}(e,e\text{K}^+)\text{nn}$ reaction, two possible nn resonance states and a NN bound state were observed with an energy resolution of about 1.6 MeV (FWHM), although the statistics is not enough to solidly conform the observed states. This presentation will give description of this experiment, its analysis, and results.

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