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**STAR as a fixed target experiment?** BROOKE HAAG, University of California, Davis/Hartnell College, DANIEL CEBRA, ROSI REED, University of California, Davis, STAR COLLABORATION — Collisions between gold or copper ions in the RHIC beam with aluminum nuclei in the beam pipe allow us to analyze fixed target interactions with the STAR detector at RHIC. These lower energy fixed target collisions may allow us to extend the low energy reach of the RHIC beam energy scan and possibly improve the chance of finding the critical point of the hadronic to quark matter phase boundary. In this talk, we will present preliminary results of spectra analysis for the fixed target collisions from various low energy test runs. Moreover, the viability of doing fixed target experiments with a collider detector will be discussed.

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