

Abstract Submitted
for the 4CF10 Meeting of
The American Physical Society

Initial results from the $^{12}\text{C}(^6\text{He}, ^4\text{He})$ transfer reaction at 5 MeV per nucleon studied at the ISAC-II TRIUMF facility DUANE SMALLEY, FRED SARAZIN, ULRIKE HAGER, SHARC AND TIGRESS COLLABORATION — The $^{12}\text{C}(^6\text{He}, ^4\text{He})$ transfer reaction was performed using SHARC, a charged particle detector array, and TIGRESS, a γ detector array, at the TRIUMF/ISAC-II facility. The aim of this study is to investigate how the two halo neutrons of ^6He can be transferred, as compared to the two neutrons of a much more compact nucleus, such as tritium. Initial results will be presented as well as future work.

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Date submitted: 09 Sep 2010

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