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**Updates to the development to the Solenoid Spectrometer for Nuclear Astrophysics (SSNAP) at Notre Dame** JACOB ALLEN, D. W. BARDAYAN, D. BLANKSTEIN, E. GARCIA, M. R. HALL, O. HALL, J. J. KOLATA, P. D. O'MALLEY, Univ of Notre Dame, F. D. BECCHETTI, Univ of Michigan, S. T. MARLEY, Louisiana State University, S. D. PAIN, ORNL — Construction of the Solenoid Spectrometer for Nuclear Astrophysics (SSNAP) has been progressing in preparation for studies of nucleon transfer reactions at the University of Notre Dame. As a helical orbit spectrometer, it will improve our ability to measure nucleon transfer reactions. These studies facilitate extraction of nuclear structure information critical to determining reaction rates in many astrophysical processes, such as novae bursts, and many other natural processes. SSNAP will provide quick, accurate measurements to many nuclear properties, such as nuclear cross sections, branching ratios, and nuclear spectroscopy. SSNAP uses position-sensitive silicon detectors set on-axis in the second solenoid of *TwinSol*. In this presentation, updates to the progress of SSNAP will be presented as well was as future plans to its development will be provided. This work is supported by the National Science Foundation and the Joint Institute for Nuclear Astrophysics.

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