Development of tracking detector for transfer reactions with light beams at NSCL S. ILYUSHKIN, Colorado School of Mines, S. AHN, University of Tennessee, D.W. BARDAKAN, Oak Ridge Associated Universities, J.A. CIZEWSKI, B. MANNING, Rutgers, P. O’MALLEY, Colorado School of Mines, S. PAIN, Oak Ridge Associated Universities, F. SARAZIN, Colorado School of Mines — New beam tracking detectors based on low pressure multiwire proportional chambers are being developed to address the current limitations on position and timing resolution for light fast beams (Z < 10) at the National Superconducting Cyclotron Laboratory (NSCL). The improved beam spatial resolution at the target position will allow the possibility of performing transfer reaction studies with these very light exotic beams at the S800 spectrometer experimental facility. Prototype tests are currently being performed at the Holifield Radioactive Ion Beam Facility at the Oak Ridge National Laboratory. Results of these tests and comparisons with Garfield simulations will be presented. This work is supported by the U.S. Department of Energy.