

Abstract Submitted
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Development of tracking detector for transfer reactions with light beams at NSCL SERGEY ILYUSHKIN, FREDERIC SARAZIN, Colorado School of Mines, Golden, CO, DAN BARDAYAN, Oak Ridge Associated Universities, Oak Ridge, TN, JEFF BLACKMON, Louisiana State University, Baton Rouge, LA, JOLIE CIZEWSKI, Rutgers University, Piscataway, NJ, KATE JONES, University of Tennessee, Knoxville, TN, STEVEN PAIN, Oak Ridge Associated Universities, Oak Ridge, TN, THE CENTER OF EXCELLENCE FOR RADIOACTIVE ION BEAM STUDIES FOR STEWARDSHIP SCIENCE COLLABORATION — We report on the development of new beam tracking detectors to be used at NSCL. The new devices will address the current limitations on position resolution and open up the possibilities for transfer reaction experiments with light ($Z < 10$) beams. The proposed design, likely based on a low pressure multiwire proportional chamber, and possible first experiments to take advantage of these detectors will be discussed. This work is supported by the Center of Excellence for Radioactive Ion Beam Studies for Stewardship Science.

Sergey Ilyushkin
Colorado School of Mines, Golden, CO

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