

ECR-BASED ATOMIC COLLISION PHYSICS RESEARCH AT ORNL¹

F. W. Meyer, M. E. Bannister, J. W. Hale, C. C. Havener, O. Voitke, and Q. Yan

After a brief summary of the present capability and configuration of the ORNL Multicharged Ion Research Facility (MIRF), and of upcoming upgrades and expansions, the presently on-line atomic collisions experiments are described. In the process, the utility of intense, cw ion beams extracted from ECR ion sources for low-signal rate experiments is illustrated.

1. Abstract of published paper: Proceedings, 13th International Workshop on ECR Ion Sources, College Station, TX, February 26-28, 1997, pp. 102-109.