

## **Status of the Holifield Radioactive Ion Beam Facility**

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The Holifield Radioactive Ion Beam Facility received authorization in December 1996 to commence routine operation as a National User Facility. Significant progress has been made toward the goal of providing high quality radioactive ion beams. The task of producing radioactive ion beams of sufficient intensity to do research has required extensive research and development on target materials and ion source design. During 1997-1998, our radioactive beam research and development program concentrated on target/ion-source systems for the production of  $^{17,18}\text{F}$  and neutron-rich isotopes. Reliable and robust systems were successfully developed and, in 1999-2001, the facility provided over 3000 hours of radioactive ion beams for nuclear structure and astrophysics research. In this report we discuss our operational experience and development activities since routine operation began.