

PROTON-INDUCED INCLUSIVE  $\gamma$ -RAY STUDIES AT MEDIUM ENERGIES

M. Sadler,<sup>†</sup> P.P. Singh, A. Nadasen,<sup>††</sup> J. Jastrzebski,<sup>\*</sup> L.L. Rutledge,<sup>\*\*</sup> T. Chen,<sup>\*\*</sup>  
and R.E. Segel<sup>\*\*</sup>

The experimental measurements pertained to the determination of the cross sections with which various final nuclei are produced following the bombardment of Ni nuclei with 80-164 MeV protons. A brief summary of the results and conclusions has been reported<sup>1,2</sup> and a Ph.D. thesis based upon this work has been completed. A detailed report is under preparation for publication.

<sup>†</sup>Present address: Physics Department,  
UCLA, Los Angeles, CA 90024

<sup>††</sup>Present address: Physics Department,  
University of Maryland, College Park, MA  
20742

<sup>\*</sup>Present address: INR, Swierk, Poland

<sup>\*\*</sup>Northwestern University, Evanston, Ill.  
60204

- 1) See IUCF Technical and Scientific Report, p. 63, 1977.
- 2) M. Sadler et al., Phys. Rev. Lett. 38, 950 (1977).
- 3) M. Sadler, "Mechanism of Nucleon Removal from Medium Mass Nuclei Induced by 80-164 MeV Proton," Ph.D. Thesis, Indiana University, 1977; also IUCF Report #77-2.