

FORBUSH DECREASES OBSERVED AT THE LEVEL OF 25 M.W.E. IN THE UNDERGROUND DETECTOR IN LODZ.

M. V. Alania (3), B. Szabelska (1), **J. Szabelski** (1) and T. Wibig (1,2)
(1) Cosmic Ray Laboratory, The Andrzej Sołtan Institute for Nuclear Studies,
Łódź 1, P.O.Box 447, Poland, (2) Department of Experimental Physics, University of Łódź,
(3) Institute of Mathematics and Physics of Podlasie University, Siedlce, Poland.

`js@zpk.u.lodz.pl`/Fax: (+48 42) 678 6431

The muon telescope in the underground laboratory in Lodz, Poland, has started registration of muon flux in September 2000. Muon energy threshold is about 5 GeV. The barimetric coefficient of muon intensity has been calculated.

3 Forbush Decreases have been observed on September 17th, October 26th and November 28th 2000.

The underground meson telescope has not yet high accuracy. However, the muon flux data together with neutron monitor data provide opportunity to study features of temporal changes of energy spectra and to estimate upper energy limit of Galactic Cosmic Ray modulated in FDs.