

## MULTIPLICITY FLUCTUATIONS IN HIGH ENERGY INTER-ACTIONS

**I. Kurp** (1) and T. Wibig (2,1)

(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.

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

Analysis of multiplicity fluctuations in the framework of thermodynamical model of high energy hadron production is presented. The calculations were made using the traditional canonical approach. The effect of introducing the non-extensive statistics is discussed.