

Athens Neutron Monitor and its aspects in the cosmic- ray variations studies

H. Mavromichalaki(1), C. Sarlanis (1), G. Souvatzoglou(1), S. Tatsis (1), A. Belov (2), E. Eroshenko (2), V. Yanke (2), A. Pchelkin (2)

(1) Nuclear and Particle Physics Section, Physics Department, University of Athens
15771, Athens Greece emavromi@cc.phys.uoa.gr/Fax +30 1 7276987

(2) Institute of Terrestrial Magnetism, Ionosphere and Radio Wave Propagation
Russian Academy of Science (IZMIRAN), Russia

(3) Polar Geophysical Institute (PGI), Russia

After many years break (since the 1978) the Athens neutron monitor renewed its operation due to joint efforts of Athens University (Greece) and IZMIRAN (Russia). In the present work the short history of this station and the modernization of the neutron monitor registration system, which made possible the real time presentation of current measurements in the Worldwide Network are described. The main properties and some advantages of this station in comparison with others are considered in the aspect of using its data for the Solar-Terrestrial and Space Weather studies.