

Comments on Observed Galactic Cosmic Ray Modulations in the Heliosphere

H. S. AHLUWALIA¹, ANDREY D. ANDREEV¹

¹*University of New Mexico*

It is wise to keep in mind that the field of cosmic ray modulation has rarely been theory driven; instead it has followed a path driven by exploratory and innovative analyses that provided surprising answers. We continue to work on resolving controversial issues pertaining to energetic particle transport in the heliosphere, over a range of rigidities. We are committed to developing a more synoptic and an all-encompassing empirical point of view. Our approach is illustrated by analyses of hourly mean values of neutron monitors and muon telescope rates, solar wind velocity and interplanetary magnetic field intensity. The physical significance of our results is discussed.