Cosmic Ray Events related to Solar Activity Recorded at the Athens Neutron Monitor Station for the Period 2000 – 2003

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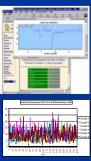
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2000 to November 2003, is considered. This time period characterized by an unexpected activity of the Sun, was divided 260m and cut-off rigidity 8.53GV and provides high-resolution data in real-time to the Internet. On these qualitative data



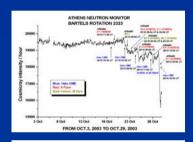




http://cosmicray.phys.uoa.gr

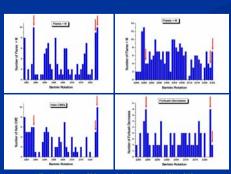
http://www.sec.noaa.gov/today.html and are confirmed at

On the constructed diagrams all available data, such as: time relation between CMEs, Flagswänd Forbush decreases (FD) in (coming Regularity is Recorded from Minor Neutron Monitor for the extraonlinary periods #DRAWS_200er. (IR 2223), 300er. to 25Nov. (BR 222) and 2Mar. ar 24Apr. 2001 (BR



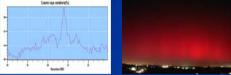


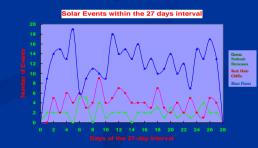












During this period two extreme bursts of solar activity in March-

One of the most astonishing Halo CMEs took place on the 28th of October 2003 and it was actually called: 'Mother of all Halos'. It provided a major GLE called 'Greek Effect' and Forbush decreases of



