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Type: **Poster contribution**

Spectral index of the recurrent variation of the galactic cosmic rays during the Solar Cycle No. 24.

Tuesday 4 August 2015 16:00 (1 hour)

We study temporal changes of a behaviour of the power-law rigidity spectrum of the first three harmonics of the 27-day variation of the galactic cosmic rays (GCR) intensity during the solar cycle (SC) no. 24 and compare with other 11-year cycles of solar activity. We show that our recent finding - a hard spectrum of the amplitudes of the 27-day variation of the GCR intensity in maximum epochs and soft one in the minimum epochs during solar cycles no. 20 - no. 23 is generally kept, with some peculiarity in SC no. 24. Particularly, while the rigidity spectrum of amplitudes of the first harmonic of 27-day variation of the GCR intensity practically behaves as for previous periods, the second and the third harmonics demonstrate a valuable softening of a rigidity spectrum of their amplitudes needing a future study.

Collaboration

- not specified -

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