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PEM021-15

Room: Function Room A

Time: May 24 14:15-14:30

## Cosmic rays at the current solar minimum: Variation and its environmental impacts

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At the current solar cycle minimum, the flux of galactic cosmic rays observed by the neutron monitors have marked the highest level of the observational era since 1950's. It is related to the recent significantly weakened solar wind and the unusually lengthened solar cycle minimum. We review the state of the current terrestrial environment and the climate, and discuss the possible impacts of the anomalously increased galactic cosmic rays at the current solar cycle minimum.

Keywords: solar activity, cosmic rays, climate change, solar minimum