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MIS029-06

会場:203

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富士山山頂における雷雲活動に関連する高エネルギー放射線観測 Energetic radiation associated with thunderstorm activity on Mt. Fuji.

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Gradual energetic radiations probably caused by a summer thunderstorm have been observed at the top of Mt. Fuji, Japan. The largest of such variation was gradual and lasted for about 20 minutes, and was found to be high-energy gamma rays having a continuous energy spectrum up to 10 MeV or more. As for the feature of these variations, such variation might be caused by the bremsstrahlung photons generated by the energetic electrons produced continuously with an intense electric field in the thundercloud rather than originated in the process of lightning discharge.