Japan Geoscience Union Meeting 2012
(May 20-25 2012 at Makuhari, Chiba, Japan)

MIS02-P03 Room:Convention Hall Time:May 22 17:15-18:30

Energetic radiation associated with thunderstorm activity at the top of Mt. Fuji on 2011.

KATAKURA, syou[1*], TORII, Tatsuo[2], KAMOGAWA, Masashi[1], YASUDA, Hiroshi[3]

[1]Dpt. of Phys., Tokyo Gakugei Univ., [2]Fugen Decommisioning Eng. Center, JAEA, [3]National Institute of Radiological Sciences

Gradual energetic radiations probably caused by a summer thunderstorm have been observed at the top of Mt. Fuji, Japan on Aug. 8, 2011. The variation lasted for a few minutes, and was found to be high-energy gamma rays having a continuous energy spectrum up to around 10 MeV. The origin of variations might be the bremsstrahlung photons generated by the energetic electrons produced continuously with an intense electric field in the thundercloud.

Keywords: Energetic radiation, Thunder storm, Mt. Fuji