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Simultaneous Observation of Solar Neutrons from the ISS and High Mountain Observatories in association with a flare on July 8, 2014

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At 16:06UT on July 8, 2014, an M6.5-class flare was observed at N12E56 of the solar surface.

In association with this flare, solar neutron detectors located on two high mountains, Mt. Sierra Negra and Chacaltaya and at the space station observed enhancements in the neutral channel.

The authors analyzed these data and a possible scenario of enhancements produced by high-energy protons and neutrons is proposed; based on data from continuous observation of a solar surface using the ultraviolet telescope onboard the Solar Dynamical Observatory (SDO).

Collaboration

– not specified –

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Primary author: Prof. MURAKI, Yasushi (Professor emiritus)

Co-authors: Mr LOPEZ, Diego (STEL, Nagoya University); Prof. KAKIMOTO, Fumio (Tokyo Institute of Technology); Dr MATSUMOTO, Haruhisa (space environment monitor group, JAXA); Mr SALINAS, J (Instituto de Investigaciones Fisicas, UMSA, La Paz, Bolivia); Prof. VALDES-GALICIA, J.F. (Institute de Geofisica, UNMA, Mexico); Dr KOGA, Kiyokazu (Space environment monitor group, Tsukuba space center, JAXA); Dr WATANABE, Kyoko (Hinode group, ISAS, JAXA); Dr GONZALEZ, Luis Xavier (Instituto de Geofisica, Unidad Michoacán, Universidad Nacional Autónoma de México, 58089, Morelia, Michoacán, Mexico); Dr OKUDAIRA, Osamu (Space environment monitor group, JAXA); Mr MIRANDA, P (Instituto de Investigaciones Fisicas, UMSA, La Paz, Bolivia); Dr MASUDA, Satoshi (STE-lab, Nagoya University); Prof. SHIBATA, Syoichi (Engineering Science Laboratory, Chubu University); Prof. OBARA, Takahiro (Planet atmospheric plasma center, Tohoku University); Dr SAKO, Takashi (STE-Laboratory, Nagoya University); Dr GOKA, Tateo (tskuba, JAXA); Dr YAMAMOTO, Tokonatsu (Department of Physics, Konan University); Dr TSUNESADA, Yoshiki (Department of Physics, Tokyo Institute of Technology); Dr MATSUBARA, Yutaka (STE-Laboratory, Nagoya University); Dr NAGAI, Yuya (STEL, Nagoya University)

Presenter: Dr MATSUBARA, Yutaka (STE-Laboratory, Nagoya University)

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