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## Unusual cosmic ray increases observed during several solar flares in 2011-2013

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We present and discuss the cosmic ray increases detected with the CARPET cosmic ray instruments during several solar flares in 2011-2013. The CARPET cosmic ray detectors were installed at El Leoncito Astronomical Complex (CASLEO; Argentina) in 2006 and at CERN (Switzerland) in 2009. We compare the CARPET data with the X-ray and proton data from GOES and Fermi LAT/GBM measurements as well as with the RHESSI observations. The neutron monitor network cosmic ray measurements are also included in the analysis. We summarize the common features of the recorded events and discuss their association with solar flare activity and near-Earth conditions.

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**Author:** Dr MAKHMUTOV, Vladimir (Lebedev Physical Institute of the Russian Academy of Sciences)

**Co-authors:** Dr MORZABAEV, Aidar (L.N. Gumilyov Eurasian National University); Prof. BAZILEVSKAYA, Galina (Lebedev Physical Institute of the Russian Academy of Sciences); Prof. RAULIN, Jean-Pierre (CRAAM-Presbyterian Mackenzie University); Dr PHILIPPOV, Maxim (Lebedev Physical Institute of the Russian Academy of Sciences); Dr GINIYATOVA, Sholpan (L.N. Gumilyov Eurasian National University); Prof. STOZHKOVA, Yuri (Lebedev Physical Institute of the Russian Academy of Sciences)

**Presenter:** Dr MAKHMUTOV, Vladimir (Lebedev Physical Institute of the Russian Academy of Sciences)

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