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ICTP-SCOSTEP-ISWI Workshop on the Predictability of the Solar-Terrestrial Coupling - PRESTO | (smr 3898)

Wednesday 31 May 2023

SESSION 5. Solar forcing specification and impacts on the atmosphere and climate

SESSION 6. Precipitating energetic particles and their effects on atmosphere - Budinich

Lecture Hall (LB) (15:00-16:50)

SESSION 5 Organisers: Stergios MISIOS (National Observatory of Athens, Greece), Odele CODDINGTON (LASP, Univ. of Colorado Boulder, USA), and Jie JIANG

SESSION 6 Organisers: Eugene ROZANOV (PMOD/WRC, Switzerland), Odele CODDINGTON (LASP, Univ. of Colorado Boulder, USA), Jie JIANG, and Stergios MISIOS (National Observatory of Athens, Greece)

Chair: Eugene ROZANOV (PMOD/WRC, Switzerland)

time	title	presenter
15:00	Recent results on the influence and consequences of energetic particle precipitation on the climate system	TIMO ASIKAINEN
15:25	Modeling and Understanding the Transport and Deposition of Beryllium-10 from Solar Energetic Particles and Galactic Cosmic Rays with a Chemistry-Climate Model	KONSTANTIN SCHAAR
15:40	Similar patterns of tropical precipitation and circulation changes under solar and greenhouse gas forcing	STERGIOS MISIOS
15:55	Solar spectral irradiance variability based on SOLAR/SOLSPEC observations during solar cycle 24	LUC DAMÉ
16:10	Precipitating energetic electrons and their effects on atmosphere	HILDE NESSE
16:35	When are energetic electrons producing NO directly in the upper stratosphere?	ALESSANDRA JOSEPHINE SALICE