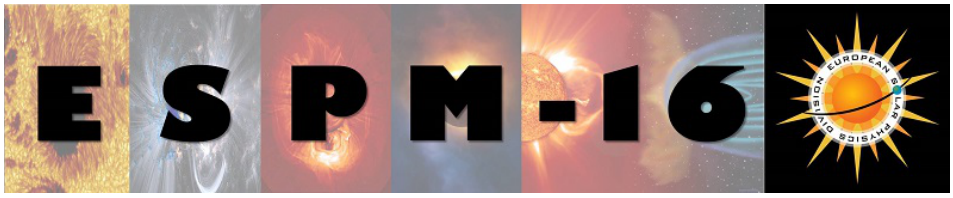

Contribution ID: **200** Type: **Poster**

High-resolution UV observations of small-scale energy release events in the solar atmosphere

Monday, 6 September 2021 11:50 (13 minutes)

High-resolution UV observations of the solar atmosphere, complemented by photospheric measurements conveying information about the magnetic configuration of the region of interest, allow us to investigate the magnetic and plasma processes that drive coronal heating and energy release.
Here, we report on small-scale flux emergence and flux cancellation events and on the energy release phenomena simultaneously observed in coordinated campaigns involving ground- and space-based observatories (e.g., SST, IBIS, Hinode, SDO), focusing on recent results obtained by the IRIS satellite.
We discuss our findings illustrating how magnetic reconnection can explain the occurrence of such small-scale energetic events and how they are expected to be improved with upcoming observations from next-generation space missions, like Solar Orbiter and EUVST.

Student poster?

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