



# "Solar jets observed with the Interface Region Imaging Spectrograph" and "A 2D Model for Coronal Bright Points: Association with Spicules, UV bursts, Surges and EUV Coronal Jets"

Nobrega-Siverio & Moreno-Insertis, accepted by ApJ July 30, 2022 and Schmieder, Joshi, Chandra, 2022, AdSpR 70, 1580

- Coronal Bright Points (CBPs) are ubiquitous structures in the solar atmosphere composed of hot small-scale loops observed in EUV or X-Rays in the quiet Sun and coronal holes that apparently play an important role in quiet Sun energetics.
- CBPs are the site of Spicules, EUV Coronal Jets and Surges – two new papers, one observational, the other theoretical/numerical lay the groundwork for a deep understanding of the mechanisms driving CBP energetics and dynamics.
- Using data from IRIS, SDO/HMI, and SDO/AIA the interplay between convective motions, magnetic topology, flux emergence, and magnetic reconnection are now clarified.
- The results pave the way for further studies combining simulations and coordinated observations in different atmospheric layers.

