



Contribution ID: 518

Type: **Poster**

Magnetic flux emergence and solar eruptions

Thursday, 9 September 2021 11:39 (13 minutes)

A key process which leads to eruptive activity in the Sun, is the emergence of the magnetic flux from the solar interior to the solar surface and into the outer solar atmosphere. We present results from 3D numerical simulations, which show the onset of eruptive jets and CME-like structures in emerging flux regions. We discuss the physical connection between jets and large-scale eruptions and the mechanism which drives them.

Student poster?

Primary author: ARCHONTIS, Vasileos (University of St. Andrews)

Presenter: ARCHONTIS, Vasileos (University of St. Andrews)

Session Classification: Poster Session 10.5

Track Classification: Session 2 - The Solar Atmosphere: Heating, Dynamics and Coupling