

Research in Astrophysics from Space (E)

Unveiling the Role of Small Scales in Solar Dynamic Phenomena (E2.1)

CORONAL STRUCTURE AND DYNAMICS

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Recent spatial solar missions, such as Hinode and Solar Dynamics Observatory, reveal a more and more highly structured and dynamic corona, with an increasing importance and debate. The connection of structure and dynamics to coronal heating is fundamental. Observations and evidence of fine coronal structuring, e.g. moss and emission measure distributions, and dynamics, e.g. Doppler shifts, spicules, are discussed and compared to current vision and models. Open questions and future perspectives are outlined to conclude.