
Prominences observations from space: advances and future challenges

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Abstract

Despite important advances from recent space missions such as Hinode and SDO, questions concerning the formation and stability of prominences are still open. This is due in part to the limitations of the observations. The fine scale structure and dynamics are still poorly resolved in some temperature regimes, and magnetic field measurements remain very difficult. We will discuss what type of observations are needed to make progresses on these aspects. We will review the capabilities of the future planned space instrumentation and highlight what is missing.

Keywords: Prominences, Space instrumentation

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