

Magnetometry of prominences

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I will discuss the present status of prominence magnetometry, discussing present formation models for the polarisation of the He D3 and 10830 lines used in prominence magnetometry. PCA-based codes have lead us to full maps of prominence magnetic fields that I should review and discuss in view of present prominence models, its confirmation and the standing questions for both theory and observations. FInally I will present the recent instrumental achievements in THEMIS allowing to simultaneously observe the D3 and 10830 lines with full polarimetry opening a new horizon in prominence diagnostics.

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