
Strategies for the inversion of He I 10830 Å data

Andres Asensio Ramos^{*1}

¹Instituto de Astrofísica de Canarias (IAC) – Via Lactea, sn La Laguna, Tenerife, Spain

Abstract

The physical properties of chromospheric structures can be obtained from the inversion of spectropolarimetric data obtained in the He I 10830 Å multiplet. In this contribution we present several strategies that we have devised during the years to obtain reliable inversions with Hazel, specially focused towards the inversion of prominences. The role of degeneracies and ambiguities are discussed in some detail.

Keywords: prominences, inversions, spectropolarimetry

^{*}Speaker