

## Chemical analysis of B stars in Orion

In this work, a chemical analysis of a sample of B stars in the Orion Association is presented. This analysis consists in the calculation of the physical parameters: effective temperature ( $T_{\text{eff}}$ ) and surface gravity ( $\log g$ ) by ionization equilibrium, and the determination of metal abundances of C, N, O, and Mg by a consistent analysis in non-LTE with TLUSTY. That is, the line formation and the model atmospheres are in non-LTE, unlike the analysis frequently used with line formation in non-LTE and model atmospheres in LTE.

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