Contribution ID: 10 Type: not specified

Spin-down of He-rich CP stars

Monday 24 April 2023 17:50 (15 minutes)

About 10 % of upper main sequence stars, classified as chemically peculiar (CP) stars have anomalous abundance of chemical elements on their surface layers. A subgroup of hot CP stars with strong abundance of helium have not only a stellar wind, but also a strong magnetic field. The spin-down of these stars is probably caused by angular momentum loss through their magnetic stellar wind.

Author: Mr ZEŤO, Xia (Department of Theoretical Physics and Astrophysics, Masaryk University, Brno, Czech republic)

Presenter: Mr ZEŤO, Xia (Department of Theoretical Physics and Astrophysics, Masaryk University, Brno, Czech republic)

Session Classification: Stellar astrophysics and interstellar medium