

Abundance of helium isotopes in CP stars

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Abstract. Abundance of helium isotopes, He^3 and He^4 , were obtained by the method of synthetic spectrum from some He I lines for five HgMn and one Si CP stars. The CCD-spectra were used with a $S/N \sim 200$. For all stars a large deficit of He^4 and an excess of He^3 were detected. Abundances of many other chemical elements were determined. The degree of reliability of those results was discussed, their comparison with the results of other authors was made.