

Helium abundance in the atmospheres of He-rich stars

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Abstract. Based on new observational data, estimates were made of helium abundance in 14 chemically peculiar He-rich stars. The dependence of helium abundance on age is derived, which shows undoubtedly the helium anomalies to enhance with age. Near the zero-age line the helium abundance is normal. This result is an additional indication that CP stars form on the zero-age line. The enhancement of helium anomalies is probably due to accumulation of helium in the upper atmosphere and to the growth of the wind as the stars evolve on the main sequence.