

Talk at Splinter Meeting

Splinter I

STRIPPED RED GIANTS: HOT SUBDWARF STARS AND EXTREMELY
LOW MASS WHITE DWARFS

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The evolution of binary stars may lead to stripping of red giant stars. If this happens on the first giant branch, the remnant is either a helium white dwarf or an subluminous B (sdB) star. The companion may be a main sequence star or another white dwarf. In recent years this evolutionary mosaic has been completed by the discovery of helium-core objects of very low mass, now termed extremely low mass white dwarfs on the one hand and the EL CVn stars on the other. We present results from quantitative spectral analyses of such objects and discuss their relation to the core helium burning siblings, the sdB stars.