

Poster

Splinter HotStars

THE ENIGMA OF THE MISSING FLUX
IN THE HOT, HELIUM-RICH WHITE DWARF RE 0503-289

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Recent spectral analyses of RE 0503-289 show a strong difference between model flux and observations in the extreme ultraviolet wavelength range ($220\text{\AA} \leq \lambda \leq 400\text{\AA}$). Only models with a significantly lower effective temperature than previously determined from optical and ultraviolet observations can reproduce the observed flux. In our attempt to investigate this discrepancy, we include 17 not yet considered elements with atomic number $29 \leq Z \leq 55$ with up to $10000\times$ solar abundances in our model atmospheres. We present preliminary results of our analysis.