

Evolutionary status of isolated B[e] stars

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B[e] stars are the hot stars with forbidden lines in their spectra, which can be found in a wide range of stellar ages, from pre-main sequence objects to evolved stars. However, the evolution of most objects with B[e] phenomena are yet to be classified. We study a sample of eight B[e] stars with uncertain evolutionary status to shed light on the origin of their circumstellar dust. We performed a diagnostic analysis on the spectral energy distribution beyond infrared wavelengths, and conducted a census of neighboring region of each target to ascertain its evolutionary status.

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