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## Internal rotation in $\beta$ Cephei stars

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The  $\beta$  Cephei pulsating stars are unique targets to probe our knowledge of the interior of massive stars. By analysing their pulsations with asteroseismology, we can explore the mixing processes, e.g., convection and overshooting, in the core of these massive stars. Asteroseismology has delivered another success by revealing their internal rotation. I illustrate these results with a review of constraints obtained from the analysis of well-known  $\beta$  Cephei stars. I then present how, with the help of the rotational splittings of the pulsation frequencies, one can reconstruct the angular momentum transport history of the  $\beta$  Cephei star HD 129929.

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