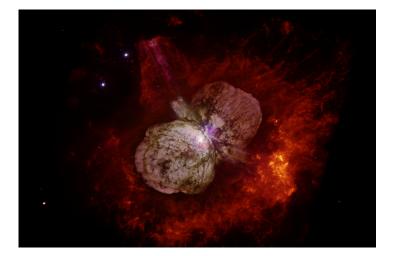
## Seminario Extraordinario

Viernes 30 de Noviembre, 2018, 11 hrs (PST), Auditorio IA-Ensenada

## The study of stars in transition phases and their importance for stellar evolution

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In the last years, the stellar evolution models have had a huge advance, obtaining a good agreement with observations, due to the inclusion of different ingredients, like rotation, mass loss, different metallicities and magnectic fields. However, up to now, there are still phases related to the evolution of stars with different masses, which are still not well known, because they are short and have few identified objects. They are called transition phases and they include the stars with the Be and B[e] phenomena, Luminous Blue Variables (LBV) and post-AGB stars.

Based on this, our group at Observatório Nacional (Brazil) and our collaborators have studied these objects, through the analysis of data obtained with different observational techniques, as high-resolution spectroscopy, photometry, polarimetry and optical and speckle interferometry. For this talk, I will present our recent results, which have allowed us to determine the stellar parameters, circumstellar characteristics and the presence or not of binarity for a sample of transition stars.

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