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Intermediate age stellar populations: the role of the AGB phase

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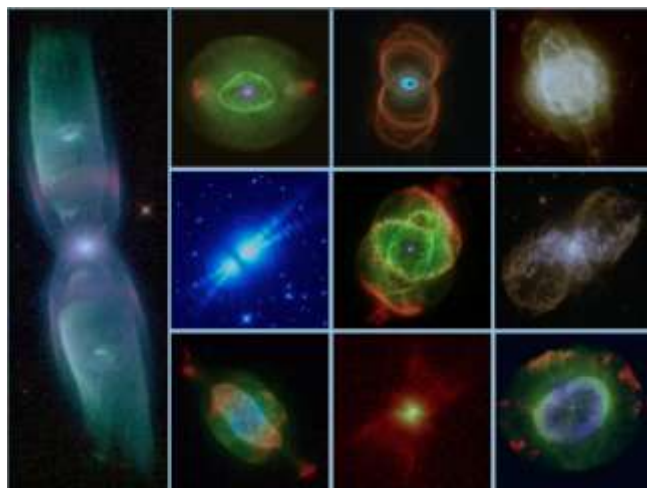
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Alessandro Bressan is the head of the Astrophysics sector of SISSA. He is one of the key members of Padova Stellar Evolution group. His research interests are stellar evolution, population synthesis and interstellar medium. Padova stellar library has been widely used in studies of galaxy formation and evolution. Alessandro's has made great contributions to evolutionary population synthesis technique. His scientific activity is documented by more than 320 papers published, and the total citation number from ADS (12/12/2011) is around 12800.

Abstract

I will summarize the recent advances in modelling the evolution of Asymptotic Giant Branch (AGB) stars. AGB stars are very luminous tracers of intermediate/old stellar populations. They are strong NIR and MIR light contributors and they may provide key information on the SFR history, both in resolved stellar systems and in more distant galaxies. Moreover a large fraction of dust in the ISM may originate from within their circum-stellar envelopes. For all the above reasons understanding how their properties change with the environment is a fundamental step for the interpretation of high-z galaxies.



All are welcome! Tea, coffee, biscuits will be served at 9:45 A.M.

You are welcome to nominate speakers to Shude Mao (shude.mao@gmail.com), Licai Deng (licai@bao.ac.cn), Xuelei Chen (xuelei@cosmology.bao.ac.cn).