

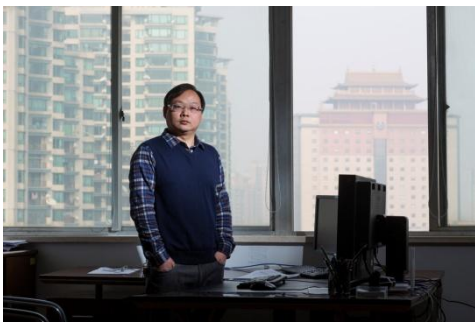
You are welcome to nominate speakers to colloquium@nao.cas.cn. The video and slide of previous colloquia and more information can be found at <http://colloquium.bao.ac.cn/>.

国台学术报告 NAOC COLLOQUIUM

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Time: Wednesday 2:30 PM, Apr. 16 Location: A601 NAOC

Star formation quenching in central and satellite galaxies



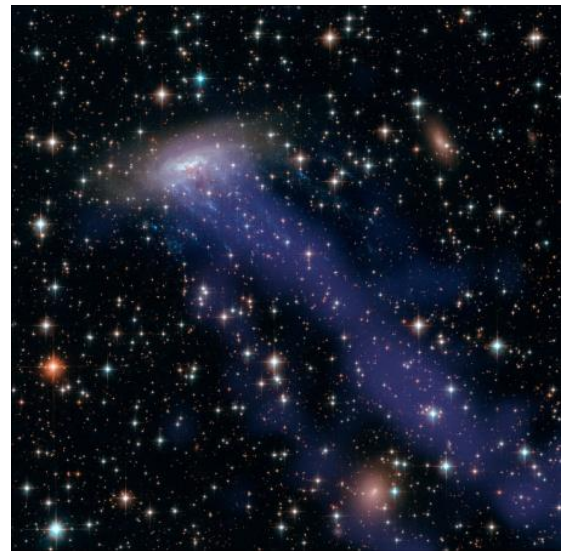
Prof. Cheng Li (SHAO, CAS)

Dr. Cheng Li (李成) is a researcher at Shanghai Astronomical Observatory (SHAO). He obtained his PhD in 2006 from University of Science and Technology of China (USTC) in Hefei. He was a postdoc fellow at Max-Planck Institute for

Astrophysics (MPA), before he moved to SHAO to hold a professorship in 2010. His current research is focused on galaxy formation and evolution.

Abstract

The way in which the star formation in galaxies gets shut down is a key, but still open question in the field of galaxy formation and evolution. SDSS and high-z deep imaging data have shown that processes that quench a central galaxy are primarily those internal to the galaxy such as AGN feedback and morphological quenching. For satellite galaxies, however, quenching is primarily



driven by external processes occurring within their host groups/clusters such as ram-pressure stripping and tidal stripping. I will talk about our recent studies in this regard, for both central galaxies and satellite galaxies in the SDSS sample, as well as insights from the MaNGA prototype data for an inside-out quenching process in nearby green-valley and red-sequence galaxies.

All are welcome! Tea, coffee, biscuits will be served at 2:15 P.M.