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

国台学术报告 NAOC COLLOQUIUM

2019 年 第 23 次 / No. 23 2019

Time: Wednesday 2:30 PM, Oct. 23th Location: A601, NAOC

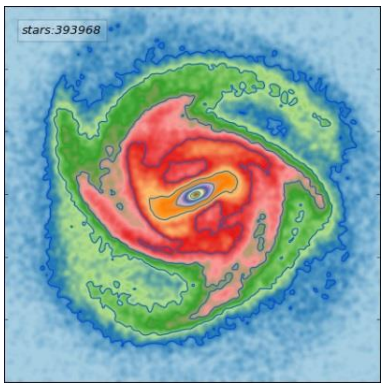
Formation and Evolution of Thin and Thick Galactic Discs: N-body Results and Observations

Dr. Lia Athanassoula

Laboratoire d'Astrophysique de Marseille

Dr. Lia Athanassoula graduated from the University of Thessaloniki and obtained her "these d'etat" (equivalent to the German habilitation) from the University of Franche-Comte in Besancon. She has been Research Professor ("Astronome") there for several years, before moving to Aix-Marseille University, to work in what is now the Laboratoire d'Astrophysique de Marseille (LAM). She mentored about fifty students and postdocs and received a number of awards, the main ones being the Foteinos prize of the Academy of Athens awarded for outstanding astronomical achievements, i.e. in explaining the role of the dark halo on the secular evolution of barred galaxies, and the Brouwer Award of the Division of Dynamical Astronomy of the American Astronomical Society, for lifetime work on numerical dynamics of disc galaxies. Her main interest is in barred galaxies, but she conducted research on a wide variety of other subjects, such as formation and dynamical evolution of disc galaxies, the Milky Way, mergings and merger remnants, the components of galaxies and their structure, chemical evolution, orbital structure and chaos, etc.

Abstract



Dr. Lia Athanassoula will use realistic N-body chemo-dynamic simulations to provide understanding about the formation and evolution of galactic discs and of their structures. After a general introduction, she will focus on a few specific points, as e.g. the growth of bars in the thin and thick disc, the properties and influence of these bars, the link between morphology and chemical content in the bar region of our Galaxy, etc. Her approach will include not only morphology, kinematics and dynamics, but also stellar populations, defined by their ages and chemical abundances.

All are welcome ; Tea and coffee will be served at 2:15 PM.