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# 国台学术报告 NAOC COLLOQUIUM

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**Time: Wednesday 2:30 PM, Dec. 2nd**      **Location: A601 NAOC**

## **Dynamical modelling of the Milky Way and Nearby Galaxies**

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Shude Mao is a Professor of Astrophysics at Tsinghua University and a researcher at the National Astronomical Observatories of China. He obtained his PhD from Princeton in 1992, and was a postdoctoral fellow at the Harvard-Smithsonian Center for Astrophysics and the Max-Planck Institute for astrophysics. He joined the faculty of the University of Manchester in 2000. After spending 22 years in the west, he returned to China in 2010. His current research focuses on study of the Milky Way, gravitational lensing and stellar dynamics.

### **Abstract**

An understanding of the dynamics of galaxies provides strong clues how other galaxies form and evolve. I will report some of our dynamical works, including the study of substructure and local dark matter density in the Milky Way, and of nearby galaxies, including the mass-to-light ratio gradients and the calibrations of the Jeans Anisotropic Method obtained from IFU data.

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