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# 国台学术报告 NAOC COLLOQUIUM

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Time: **Wednesday 2:30 PM, Mar.20th** Location: **A601, NAOC**

## An HI view of the nearby galaxies

**Prof. Jing Wang**

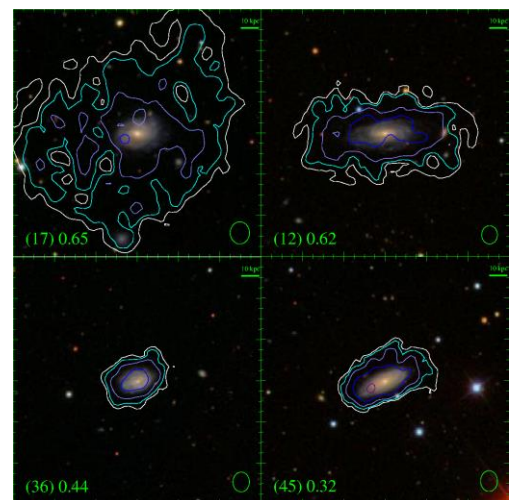
**KIAA-PKU**



Dr. Jing Wang is an assistant professor at the Kavli Institute for Astronomy and Astrophysics, Beijing. She spent three and half years at MPA in Germany as a visiting student before receiving her PhD from USTC in China in 2011. She then worked as a postdoc at MPA for over two years and at CSIRO/ATNF in Australia for three years. She received the Youth Qian Ren honor in 2017. Jing Wang's research interests are gas accretion onto galaxies; the cold gas and stellar structure of galaxies; the morphological transformation of galaxies; the relation between star formation and cold gas; the effect of cluster and group environments on galaxies. Her research relies on multi-wavelength observational analysis, especially the 21 cm emission line data that probes atomic hydrogen gas (HI). She has been actively involved in several large HI surveys, including GASS (and also its follow-up survey for molecular hydrogen, COLD GASS), Bluedisk, LVHIS, WALLABY, IMAGINE, and MALS.

### Abstract

Galaxies are ecosystem of the stars of different ages and gas of difference phases; gas actively participates in almost every aspect of galaxy evolution. I will introduce my work in the past years, about gas accretion, the distribution of HI in galaxies, the relation between HI and star formation, and the subsequent evolution of the stellar discs.



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