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国台学术报告 NAOC COLLOQUIUM

2022 年 第 5 次 / No. 5 2022

Time: **Wednesday 2:30 PM, Sep.14th** Location: **A601, NAOC**

Extreme Red Galaxies in the JWST era: New Dust Extinction law vs New Galaxy Formation Theory

Dr. Jiasheng Huang (NAOC)



Dr. Jiasheng Huang is an astronomer working on IR astronomy. He graduated from Nanjing University and obtained master degree, and worked in the Beijing astronomical observatory theoretical group for three years. He went to Hawaii for Ph.D. After obtaining his Ph.D. in 1997 and a very brief postdoc time working in MPIA in Heidelberg, he went to Harvard-Smithsonian Center for Astrophysics to join the Spitzer IRAC team as a senior astrophysicist and a staff member in the center in 1999. In 2012 he partly returned to NAOC to establish CASSACA/China-Chile Center for astronomy. He returned in full time to NAOC in 2014, and has been serving as chief scientist in CASSACA since then.

Abstract



I will review the history of red galaxies in early time with ground base telescope survey data. The HST and Spitzer observation opened a whole new window, and a new type of very red galaxies was discovered. Those galaxies were so red that they were not detected by HST even in a very faint level. This discovery challenges our understanding of galaxy physics and galaxy formation theory. The JWST has been in operation now, it has been detecting a lot more extreme red galaxies. It makes our understanding of galaxy formation and evolution more difficult.

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