

# Science News & Journal Club Public Talk



时 间： 2018年10月26日 12:15 - 1:45pm

地 点： 紫台仙林园区3号楼302室

## Science News:

报 告 人： 刘 伟

## Journal Club Public Talk:

报 告 人： 杨 航

报告题目： **Is There A Secondary Relation of the Mass-Metallicity Relation?**

摘要： The mass-metallicity relation (MZR) is a tight relation that connects two important properties of galaxies, the stellar mass and the gas-phase metallicity. It is believed that the MZR is related to the physical processes regulating galaxy evolution, such as the galactic outflows. As following attention being paid, some proposed that star formation rate (SFR) also plays a role in the MZR, along with which a "SFR-M-Z" fundamental plane is presented. However, there are also claims that the inclusion of SFR is not necessary since it does not significantly improve the MZR. In this talk, I will introduce the work performed by Sanchez et al. (2017), who revisited the MZR with a new sample of galaxies observed with CALIFA, and discuss the plausible secondary relation as well.

参考文献： S. F. Sanchez et al., 2017, MNRAS, 469, 2121-2140

欢迎大家  
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