



Haijiao Jiang

(姜海娇)

**Shanghai Astronomical
Observatory**

Title: Multiplex spectroscopic survey telescope and spectrograph development

Time: 19:00-19:40, 17 February (Monday), Shanghai time

Host: Jianguai Liu

Location: Online

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Meeting ID: 166616162 (no password)

Abstract:

The presentation offers a comprehensive overview of the latest advancements and research in the field of multiplex spectroscopic survey telescopes and spectrographs. This talk discusses the ongoing progress of international and national astronomical spectral survey telescopes, including the Prime Focus Spectrograph (PFS), the Dark Energy Spectroscopic Instrument (DESI), the Large Sky Area Multi-Object Fiber Spectroscopic Telescope (LAMOST), the MULTiplexed Survey Telescope (MUST), and the Joint University Spectroscopic Telescope (JUST). Additionally, the presentation delves into the development of various spectrographs, such as LAMOST NIR spectrograph, MUST spectrograph and the Slitless Spectrograph for the Chinese Space Station (CSST), Next Generation Palomar spectrograph for Hale telescope and many high resolution spectrographs. The speaker shares their research experience in developing and participating in the construction of multiple spectrographs.

Biography:

Haijiao Jiang (姜海娇) is an Associate Researcher at the Shanghai Astronomical Observatory. His research primarily focuses on the development of large telescopes and spectrographs. He has participated in many significant projects, including LAMOST (Guo Shoujing Telescope), MULTiplexed Survey Telescope (MUST), Slit spectrograph for the Chinese Space Station Telescope (CSST), Next Generation Palomar Spectrograph (NGPS) for the Hale Telescope. His work in optical design and instrument development provides crucial technical support for astronomical research.