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国台学术报告 NAOC COLLOQUIUM

2022年 第 11 次 / No. 11 2022

Time: **Wednesday, 2:30 PM, NOV. 23rd, 2022**

Tencent: **991778930 /123456 & Live Streaming**

From the SKA to FAST expanded array (FASTea)

Prof. Bo Peng (NAOC)



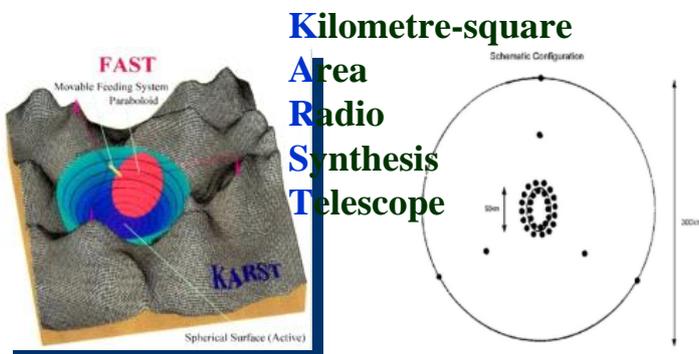
Prof. Bo Peng is a radio astronomer at NAOC, who has been working at large sky surveys, transients, radio galaxies and instrumentations for three decades. He is the co-founder of the SKA (Square Kilometre Array) China and the FAST (Five-hundred-meter Aperture Spherical radio Telescope) Project, who is the key player to initiate, develop, build and use the largest single dish FAST, conducting the first RFI survey for potential

SKA/FAST sites as the group leader of Large Telescope at Beijing Astronomical Observatory (predecessor of NAOC) in 1994.

Abstract

I will review the milestones of Chinese SKA efforts especially on FAST, our preparatory for the FAST expanded array (FASTea) with the key technology Phased Array Feed. I will introduce our recent discoveries from FAST

observations such as the ultra-deep survey on HI galaxies, pulsar searching and timing in globular clusters, and the solar wind study via interplanetary scintillation phenomena.



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