Title: Tide and magnetic field of stars, exoplanets and exomoons

Speaker: Prof. Xing Wei（魏星，Beijing Normal University）

Time: 15:00-16:00, 17 April (Wednesday), Shanghai time

Host: Fabo Feng

Location: N602

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Meeting ID: 649471877

Abstract:
I will report on my recent projects about tide and magnetic field of celestial bodies such as stars, exoplanets and exomoons. The projects are as follows. (1) stellar magnetic dynamo: field-rotation relation in anisotropic rotating turbulence; (2) stellar oblique rotator: why solar radiative zone is in uniform rotation; (3) stellar wave transmission: can internal waves transmit at the interface of radiative and convective zones; (4) magnetic tide: ohmic dissipation needs to be taken into account for orbital evolution; (5) tidal resonance: the resonance of tidal wave and orbital motion; (6) exoplanet's inflation: radius anomaly of hot Jupiters; (7) exomoon's retention: where to detect exomoons.

Biography:
Xing Wei is professor at BNU. He studied BS at Tsinghua and PhD at Cambridge then worked at ETH, Gottingen, Princeton and SJTU before joining BNU.