

Astrophysics Seminar



李政道研究所
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Prof. Yanqing Wu
University of Toronto

Playing with Shadows and other musings

Time: 15:45-16:15, 16 July (Tuesday), Shanghai time

Venue: N600 (TDLI)

Host: Dong Lai (赖东)

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Meeting ID: 760551216

Abstract:

In this short talk, I will start by describing the puzzle of transition disks, then explain one piece of understanding we have recently acquired through numerical simulations, i.e., how uneven stellar illumination (shadows) on such disks can dramatically alter their looks and fates. I will end by musing on the state of the art of the planet formation field.

Biography:

I am a professor of theoretical astrophysics in the Department of Astronomy & Astrophysics at the University of Toronto. My current research interests centre on planets in our Solar system and beyond. I study their internal structure, their dynamics, and their formation site -- the proto-planetary discs. Over the past few years, I have been staring at the planets discovered by the Kepler Space mission, looking for clues to their formation and evolution. And now ALMA is opening our eyes to the birth place of planets, where mysteries abound.

