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国台学术报告 NAOC COLLOQUIUM

2017年 第10次 / No. 10 2017

Time: Wednesday 2:30 PM, Apr.12th Location: A601 NAOC

The evolution of protoplanetary disks and their host stars

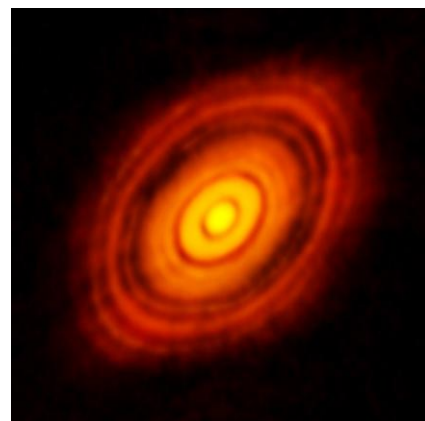
Prof. Gregory Herczeg
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Prof. Gregory Herczeg got his PhD degree from University of Colorado Boulder in 2005. Then he worked as postdoc at Caltech from 2005 to 2008 and at Max-Planck-Institute for extraterrestrial physics from 2008 to 2011, respectively. Now he was a Youth Qianren professor at KIAA/Peking University.

Abstract

The origins of our own planetary system was set when the sun was still young and surrounded by a circumstellar disk. Although the evolutionary sequence of star formation is now well charted, the physical phenomena that drive these changes are still poorly understood. These differences determine whether and what types of planets will form, around stars of different masses and in different environments. In this talk, I will discuss how recent and upcoming observations of protoplanetary disks in nearby star forming regions are revealing the disk evolution, including inferences of ongoing planet formation. I will also discuss expected improvements in the age dating of young stars, which will form the foundation for piecing together the sequences of disk evolution.



All are welcome! Tea, coffee, biscuits will be served at 2:15 PM.