系外行星大气讲座

中山大学物理与天文学院学术报告(NO.162)

报告人:张曦

邀请从:高扬

时:2019年12月16日周一

2019年12月17日周二

2019年12月18日周三

2019年12月19日周四

19:00-20:40

地 点:中山大学珠海校区

教学楼F306 (16、17日)

教学楼C302 (18、19日)



报告人简介

Education
B.S., Space Physics, Peking
University, 2007
M.S., Planetary Science,
California Institute of
Technology, 2009
Ph.D, Planetary Science,
California Institute of
Technology, 2013 (Advisor:
Yuk Yung)

Appointments
2015- Assistant Professor,
University of California Santa
Cruz
2013-2015 Bisgrove
Postdoctoral Scholar,
University of Arizona

Teaching
Planetary Discovery (EART 8)
Planetary Atmospheres (EART 164/264)
Topics in Planetary Science (EART 290)
Earth and Planetary Sciences
Foundations (EART 204)

Awards and Honors
2019 Greeley Early Career
Award
2018 Hellman Fellowship
2012 Bisgrove Postdoctoral
Scholar Fellowship, University
of Arizona
2012 NASA Postdoctoral
Fellowship, JPL
2010 Chinese Government
Award for Outstanding
Self-financed Student Abroad

报告摘要

Lecture1: Background on Planetary atmosphere I Introduction; primordial and secondary atmospheres (impact of escape processes, volcanic activity; collisions)

Lecture2: Background on Planetary atmosphere II Condensations at different temperatures; Equilibrium and non-equilibrium chemistry

Lecture3: Planetary atmosphere: planets in the Solar System

Terrestrial planets; Gas giant planets; Icy giant planets; Satellites and dwarf planets

Lecture4:Planetary atmosphere: applications to exoplanets

Observation techniques; Modeling; Origin of life