**10.** Asteroid Kamoʻoalewa's journey from the lunar Giordano Bruno crater to Earth 1:1 resonance

Jiao, Cheng, Huang, et al. Nature Astronomy 8, 819 (2024)

11. OSSOS. XXIX. The Population and Perihelion Distribution of the Detached Kuiper Belt

Beaudoin, Gladman, Huang, et al. PSJ 4, 145 (2023)

- 12. Flip mechanism of Jupiter-crossing orbits in the non-hierarchical triple system Li, Lei, Huang, & Gong. MNRAS 502, 5584 (2021)
- 13. Dynamics of retrograde 1/n mean motion resonances: the 1/-2, 1/-3 cases Li, **Huang**, & Gong. Astrophysics and Space Science 365, 165 (2020)

- **14.** A semi-analytic model for the study of 1/1 resonant dynamics of the planar elliptic restricted co-orbital problem
  - Li, Huang, & Gong. Research in Astronomy and Astrophysics (2020)
- 15. Assess the Risk of Potentially Hazardous Asteroids through Mean Motion Resonance Li, **Huang**, & Gong. Astrophysics and Space Science 364, 78 (2019)
- 16. Survey of asteroids in retrograde mean motion resonances with planets Li, **Huang**, & Gong. A&A 630, A60 (2019)
- 17. Centaurs Potentially in Retrograde Co-orbit Resonance with Saturn Li, **Huang**, & Gong. A&A 617, A114 (2018)

### **SCIENCE TEAMS** CLASSY: Classical and Large-A Solar System Survey

2022 - Now

• Dynamical classification & modelling of discovered TNOs

### FOSSIL: Formation of the Outer Solar System: an Icy Legacy

2024 - Now

• Dynamical analysis of discovered objects & theoretical prediction

# INVITED TALKS & SEMINAR

Shanghai Astronomical Observatory, Exoplanet Science Seminar (virtual)	Nov. 2024
New Horizons Science Plenary Meeting (virtual)	Aug. 2024
NAOJ Seminar, Tokyo	May 2024
DoA, Tsinghua, Beijing: The Rogue Planet Hypothesis	Mar. 2024
DoA, Tsinghua, Beijing: Dynamics of TNOs Under the Influence of a Rogue Planet	Aug. 2023

# CONFERENCES & WORKSHOPS

#### As the presenter:

- 1. Dynamics of Binary Planets within Star Clusters Young Transiting Planet Workshop, Ishigaki Island (2025)
- 2. Asteroid Kamoʻoalewa's journey from Giordano Bruno crater to Earth coorbital space PERC Int'l Symposium on Dust & Parent Bodies, Tokyo (2025)
- 3. From Planetesimals to Dwarf Planets by Pebble Accretion Pebbles in Planet Formation, Tokyo (2025)
- 4. A Rogue Planet Hypothesis for the Formation of the Outer Solar System Rogue Worlds, Osaka (2024)
- 5. Dynamics of Binary Planets with Star Clusters DoS + CfCA Workshop, Kawaguchiko (2024)
- 6. Testing the Primordial Orbital Alignment Using Backward Integrations CfCA Annual Meeting, Tokyo (2024)
- 7. Dynamics of Binary Planet within Star Clusters (Poster) JSPS Autumn, Fukuoka (2024)
- 8. Dynamics of Binary Planet within Star Clusters DPS #56, Boise (2024)
- 9. Primordial Orbital Alignment of Sednoids TNO 2024, Taipei (2024)
- 10. Dynamical Evolution of JuMBOs within Stellar Clusters DDA #55, Toronto (2024)
- 11. Primordial Orbital Clustering of Sednoids | Video DPS #55, San Antonio (2023)
- 12. A Gigantic Icy Body Reservoir Produced by an Early Rogue Planet | Abstract ACM 2023, Flagstaff (2023)
- 13. Steady State of a Planet-scattering Debris Disk DDA #54, East Lansing (2023)
- 14. Effect of a Rogue Planet on the Early Solar System | Video DPS #54, London (Ontario) (2022)

15. A Clearer View of the Primordial Kuipe COSPAR #44, Athens (2022)	r Belt's inclination structure	
16. A Rogue Planet Populated the Distant I DDA #53, New York (2022)	Kuiper Belt   <mark>Video</mark>	
17. Dynamics of the Retrograde Co-orbital COOMOT, Milan (2022)	resonance	
18. Four Billion Year Stability of the Earth- DDA #51, virtual meeting (2020)	-Mars Belt	
19. Four Billion Year Stability of the Earth- DPS #52, virtual meeting (2020)	-Mars Belt	
20. Primordial Stability of the Earth–Mars 14th EPSC, virtual meeting (2020)	Belt	
21. Dynamics of the Retrograde 1/1 Mean DDA #49, San Jose (2018)	Motion Resonance	
Outstanding Graduate of Beijing Scholarship of Takada for Excellent Students Second Prize in the 10th National Zhou Peiy Yu Menglun Scholarship	of Tsinghua uan Mechanics Competition	2024 2024 2019 2018 2015 2014 2014 2013
Space.com: Earth's weird 'quasi-moon' Kamo'oalewa Phys.org: Computer model helps support theory of ast ScienceAlert: This Crater Could Be Where Earth's 'S AAS Nova: Sednoids: Echoes of a Rogue Planet in th Sky & Telescope: "Planet X" May Have Left Our Sol MacMillan Space Centre: Ask An Astronomer - Lu	is a fragment blasted out of big moon crate eroid Kamo'oalewa as ejecta from the moon econd Moon' Broke Off The First One e Early Solar System? ar System Billions of Years Ago unar New Year of the Rabbit	r 2024
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Brett Gladman University of British Columbia Vancouver, BC, Canada gladman@astro.ubc.ca  Eiichiro Kokubo (小久保英一郎) NAOJ	Kat Volk Planetary Science Institute Tucson, Arizona, USA kat.volk@gmail.com  Aaron Boley University of British Columbia Vancouver, BC, Canada	
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Wei Zhu (祝伟) Tsinghua University Beijing, China weizhu@tsinghua.edu.cn

Shude Mao (毛淑德) Tsinghua University Beijing, China smao@tsinghua.edu.cn Chris Ormel
Tsinghua University
Beijing, China
chrisormel@tsinghua.edu.cn

Junfeng Li (李俊峰) Tsinghua University Beijing, China lijunf@mail.tsinghua.edu.cn