

The First SHAO-ASIAA Workshop

2011.3.31---4.1, Shanghai

March 31, Morning

8:45—8:50 Opening remark

8:50—9:00 Hisen Shang: Overview of ASIAA

9:00—9:10 Feng Yuan: Overview of astrophysical research in SHAO

Session 1: Galaxy and cosmology

Chair: Wenfei Yu

9:20—9:40 Pengjie Zhang: Self-calibrating weak lensing systematics

9:40—10:00 Tzu-Ching Chang: 21 cm cosmology (video link)

10:00—10:20 Feng Huang (黄峰): The IR-radio correlation of low luminosity dwarf galaxies

10:20—11:00 Group discussion and Coffee

Session 2: Radio Astronomy

Chair: Zhongxiang Wang

11:00—11:40 Nagayoshi Ohashi: ALMA and SMA in ASIAA

11:40—12:00 Review Discussion

12:00—2:00 Lunch Break

March 31, Afternoon

Session 3: High Energy Astrophysics

Chair: Pengjie Zhang

2:00—2:20 Wenfei Yu (余文飞): Gamma-ray Flares from the Microquasar Cyg X-3

2:20—2:40 Masanori Nakamura: Magnetohydrodynamic Flow Properties of Extragalactic Jets

2:40—3:00 Shu Luo(罗舒): Direct Detection of the Cosmic Neutrino Background Including Light Sterile Neutrinos

3:20—3:40 Hiroshi Oda (小田宽): State Transitions of Galactic Black Hole Candidates

3:40—4:00 Miao Li: AGN feedback at sub-pc scale

4:00—4:40 Coffee/Group Discussion

Chair: Juntai Shen

4:40—5:00 Lei Huang (黄磊): Circular Polarization in Sagittarius A*

5:00—5:20 Shengming Zheng (郑圣明): Revisiting the thermal stability of radiation-dominated thin disks

April 1, Morning

Session 4: Theory and Numerical Simulations

Chair: Ju-fu Lu

8:40—9:00 Hyosun Kim: Gravitationally Induced Density Wake of a Circularly Orbiting Object
As an Interpretative Framework of Ubiquitous Spirals and Arcs

9:00—9:20 Lien-Hsuan Lin: Fueling the AGN of the Nearby Seyfert 2 Galaxy NGC 4945

9:20—9:40 Fuguo Xie (谢富国): Gas giant formation accelerated by disk accretion processes

9:40—10:00 Defu Bu (部德福): Magnetothermal and magnetorotational instabilities in hot
accretion flows

10:00—10:20 Miki Cemeljic: Launching of two-component outflows in resistive MHD
Simulations

10:20—10:50 Coffee Break

10:50—11:30 Group Discussion and Planning of Future Workshops

April 1, Afternoon

Session 5: Large Projects in SHAO

Chair: TBD

2:00—2:30 Zhongxiang Wang (王仲翔): Chinese Space-station Infrared Spectroscopic Survey
Telescope

:30—3:00 Lei Hao (郝蕾): The IFU Instrument for the Lijiang 2.4m Telescope

3:00—4:00 **Coffee/Executive Discussion**

4:00 Paul Ho (TBD): Workshop Summary

Notes:

1. **Wireless** connection is available: SHAOguess, password:
2. For **lunch**, please go to the cafeteria of the institute or nearby restaurants
3. Do not bring food or bererage into the conference hall
4. If you have any other questions or need any help, please contact Ms. Wang Weili (汪维丽):
cell phone: 13661511611