



21cm Cosmology Workshop 2024 & Tianlai Collaboration Meeting

Hangzhou, China , July 21st - 27th , 2024

<https://tianlai.bao.ac.cn/meeting/2024>



Science with IM surveys

- HI signal forecasts and simulations
- Power spectrum measurement and beyond
- Cross-correlations

Results from current HI experiments

- Cosmic Dawn and EoR experiments
- Post-EoR HI
- Low redshift HI galaxies and surveys
- Global spectrum experiments

Instrumental challenges, future projects

- Single dish, Interferometer
- Global spectrum experiments
- Observing from lunar orbit, far side of the moon
- SKA

Intensity mapping data processing challenges

- RFI, Calibration
- Map making
- Foreground subtraction

Confirmed Invited Speakers

- Réza Ansari (Université Paris-Saclay, France)
- Nichole Barry (University of New South Wales, Australia)
- Ruby Byrne (California Institute of Technology, US)
- Isabella Carucci (Istituto Nazionale Di Astrofisica, Italy)
- Ely Kovetz (Ben-Gurion University, Israel)
- Yichao Li (Northeastern University, China)
- Yi Mao (Tsinghua University, China)
- Andrei Mesinger (Scuola Normale Superiore, Italy)
- Sourabh Paul (University of Manchester, UK)
- Jingying Wang (ShAO CAS, China)
- Yougang Wang (NAOC, China)
- Laura Wolz (University of Manchester, UK)
- Yidong Xu (NAOC, China)

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(The list will continue to be updated)

International Organizing Committee (SOC)

- Réza Ansari (Co-chair, Université Paris-Saclay, France)
- Eloy de Lera Acedo (Cambridge University, UK)
- Ronggen Cai (Ningbo University, China)
- Renyue Cen (Zhejiang University, China)
- Xuelei Chen (Chair, NAOC, China)
- Danny Jacobs (Arizona State University, US)
- Ely Kovetz (Johns Hopkins University, US)
- Yi Mao (Tsinghua University, China)
- Alkistis Pourtsidou (University of Edinburgh, UK)
- Mario Santos (University of the Western Cape, South Africa)
- Marta Spinelli (Uobservatoire de la Cote d'Azur, France)
- Albert Stebbins (Fermi National Accelerator Laboratory, US)
- Peter Timbie (Co-chair, University of Wisconsin-Madison, US)
- Xin Zhang (Northeastern University, China)

Local Organizing Committee (LOC)

- Zhiping Chen (Chair, Hangzhou Dianzi University, China)
- Yungui Gong (Ningbo University, China)
- Xi Kang (Zhejiang University)
- Jixia Li (NAOC, China)
- Yichao Li (Northeastern University, China)
- Haijun Tian (Co-chair, Hangzhou Dianzi University, China)
- Yougang Wang (NAOC, China)
- Fengquan Wu (NAOC, China)
- Juyong Zhang (Co-chair, Hangzhou Dianzi University, China)
- Jingyu Zhang (NNAOC, China)
- Tao Zhu (Zhejiang University of Technology, China)