



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

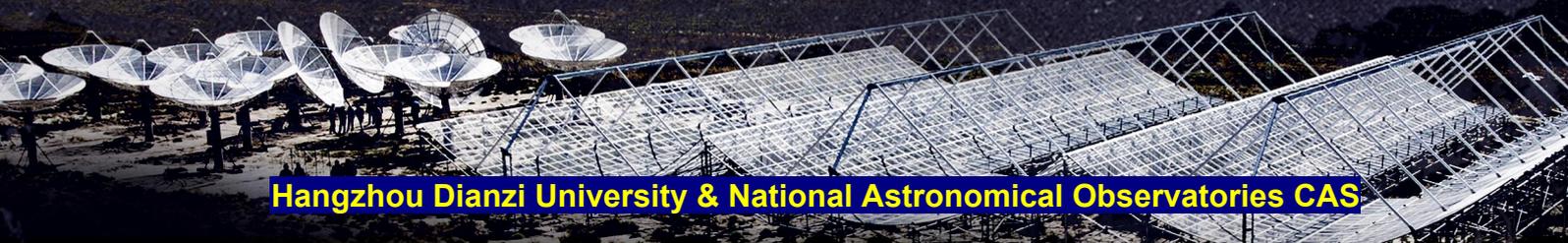
- Réza Ansari (Université Paris-Saclay and CEA-Irfu/DAP, France)
- Nichole Barry (University of New South Wales, Australia)
- Anna Bonaldi (SKAO, University of Manchester, UK)
- Martin Bucher (National Centre for Scientific Research, France)
- Ruby Byrne (California Institute of Technology, US)
- Isabella Carucci (Istituto Nazionale Di Astrofisica, Italy)
- Xuelei Chen (National Astronomical Observatories CAS, China)
- Zhaoting Chen (University of Manchester, UK)
- Devin Crichton (ETH Zurich, Switzerland)
- Steven Cunnington (University of Manchester, UK)
- Ely Kovetz (Ben-Gurion University, Israel)
- Yichao Li (Northeastern University, China)
- Florent Mertens (Paris Observatory, France)
- Andrei Mesinger (Scuola Normale Superiore, Italy)
- Raul Monsalve (UC Berkeley Space Sciences Laboratory, US)
- Sourabh Paul (University of Manchester, UK)
- Olivier Perdereau (Université Paris-Saclay/IJCLab, France)
- Saurabh Singh (Raman Research Institute, India)
- Marta Spinelli (Observatoire de la Cote d'Azur, France)
- Jingying Wang (Shanghai Astronomical Observatory CAS, China)
- Yougang Wang (National Astronomical Observatories CAS, China)
- Laura Wolz (University of Manchester, UK)
- Fengquan Wu (National Astronomical Observatories CAS, China)
- Yidong Xu (National Astronomical Observatories CAS, China)

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 (Observatoire 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)



Hangzhou Dianzi University & National Astronomical Observatories CAS