

BREAD Collaboration Workshop

Thursday 15 January 2026

TeraBREAD and THz Sensing (09:55-12:10)

-Conveners: Stefan Knirck

time	[id] title	presenter
09:55	[20] Transition Edge Sensors	Dr SONKA, Rita
10:20	Coffee	
10:40	[21] Dark Photon Search with KIDs	Dr BASU THAKUR, Ritoban
11:05	[22] Cold-Electron Bolometers for broadband sub-cm wave single photon counting (~60GHz)	Prof. RAMANATHAN, Karthik
11:30	[23] Josephson Photonics Devices for BREAD	Prof. HOFHEINZ, Max Dr BOURLET, Nicolas
11:55	[42] Discussion	

TeraBREAD and THz Sensing (14:10-16:30)

-Conveners: Morgan Lynn

time	[id] title	presenter
14:10	[24] SQuAT (Superconducting Quasiparticle-Amplifying Transmons)	Dr DROSTER, Alexander
14:35	[25] WIXARD (Wldeband graphene-based aXion dARK matter quantum Detector) for BREAD and MADMAX	Prof. FONG, Kin Chung
14:55	[26] Designing a Graphene Microwave single photon detector	Prof. ARNAULT, Ethan
15:15	Coffee	
15:25	[27] Single Electrons in a Penning Trap as a meV Single Photon Counter for BREAD	Prof. FAN, Xing
15:50	[29] Axion Dark Matter Detection with Axion Quasiparticles	Prof. XU, Suyang
16:15	[43] Discussion	

Friday 16 January 2026

TeraBREAD and THz Sensing: Beyond Sensing (11:00-12:25)

-Conveners: Stefan Knirck

time	[id] title	presenter
11:00	[33] Photomixer R&D	Dr PERRY, Emily
11:40	[35] Fourier Transform Spectrometer Options	Dr BASU THAKUR, Ritoban
12:05	[36] Discussion - Options for Frequency Resolution in BREAD	