B mode from Space – Part 1: The Science goals, status of spaceborne projects, foregrounds (Dec 10 -12), Part 2: Mission design, technologies and challenges for the spaceborne observations (Dec 14 -16) –

Contribution ID: 44

Type: not specified

Frequency Domain Multiplexing Bolometer Readout Matt Dobbs (McGill)

Wednesday 16 December 2015 11:30 (20 minutes)

The Digital Frequency Domain Multiplexing Bolometer Readout system is the baseline design for LiteBIRD. The overall system will be presented, with a focus on the warm electronics. The cold components will be described in the following talk. Results and status from Canadian-funded flight representative circuit board development will be overviewed.Key interface points, power consumption, and challenges that lay ahead to achieve the mission specifications will be summarized.

Presenter: Dr DOBBS, Matt (McGill)

Session Classification: Detector