

Overview of the LiteBIRD Focal Plane Toki Suzuki (UCB)

Wednesday 16 December 2015 09:00 (20 minutes)

I will give overview of a focal plane unit proposed by the US LiteBIRD team. The focal plane unit consists of sub-kelvin cooler, transition edge sensor bolometric detector, readout electronics, and mechanical supports. The baseline design is based on proven technologies from current ground and balloon based CMB experiments lead by member of the US LiteBIRD team. Space environment and sensitivity target of the LiteBIRD mission introduces challenges that need to be carefully studied and tackled. Organization of the group and the status will be presented.

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Session Classification: Detector