

# Jacques

A couple of weeks ago in Florence I saw you give a talk advocating very strongly that a comprehensive space mission is absolutely necessary to complete the scientific exploitation of the CMB

*Question:* What do you believe CMB-S4 can and cannot do?

# Shaul

If balloons are going to work in concert with ground based telescopes they need to be able to observe the same fields – and not have their sky region (partially) dictated by the position of the Sun when they fly.

*Question:* With suitable planning and design will balloons be able to observe “anywhere they like”?

# Adrian

Chuck Bennett (a former space guy) and co are say that with ground based experiment CLASS they will probe the reionization bump using just 4 frequencies. Meanwhile your MO design for Litebird calls for 15 bands. Unfortunately Chuck couldn't be here this evening so...

*Question:* In your opinion why is it clear that we need a low-res space mission like Litebird?

# Lyman

I've heard you make strong statements about the unique capabilities of space missions.

*Question:* If a full fledged CMB-S4 is built what if any space mission should also be launched?

# John

Arguably it's been a long time since a CMB balloon project had a big impact on the field (Boomerang?)

*Question:* In your opinion how much future is there in CMB ballooning... and why?

# Charles

CMB space missions have typically hit (or exceeded) their sensitivity goals. Ground based and balloon experiments have a long history of over claiming (sometimes massively).

*Question:* How important is it that S4 make sober and realistic projections?