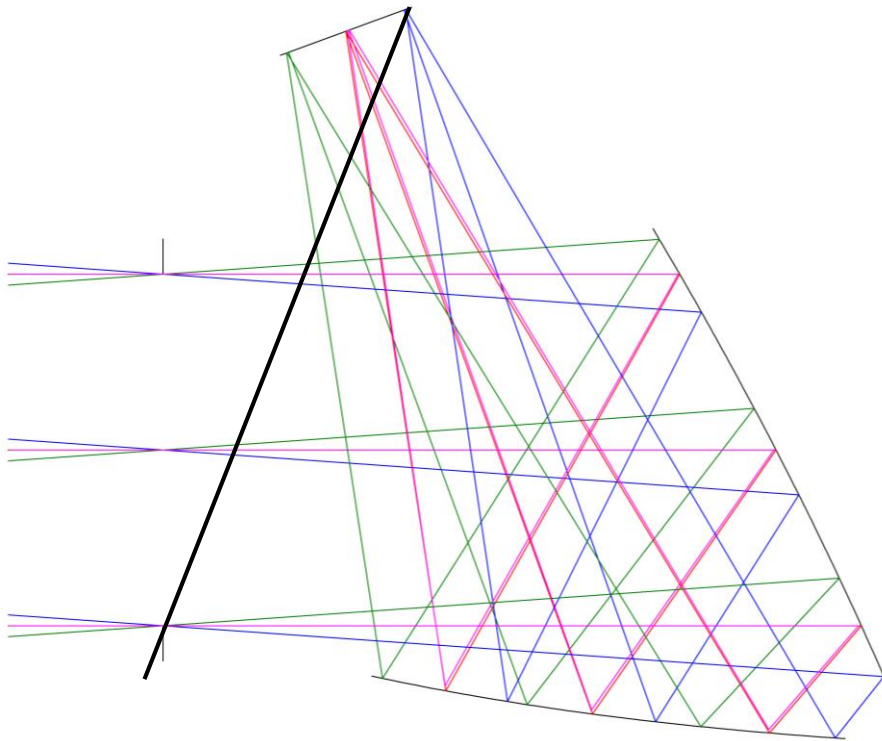


Large Cross Dragone, 1.2m

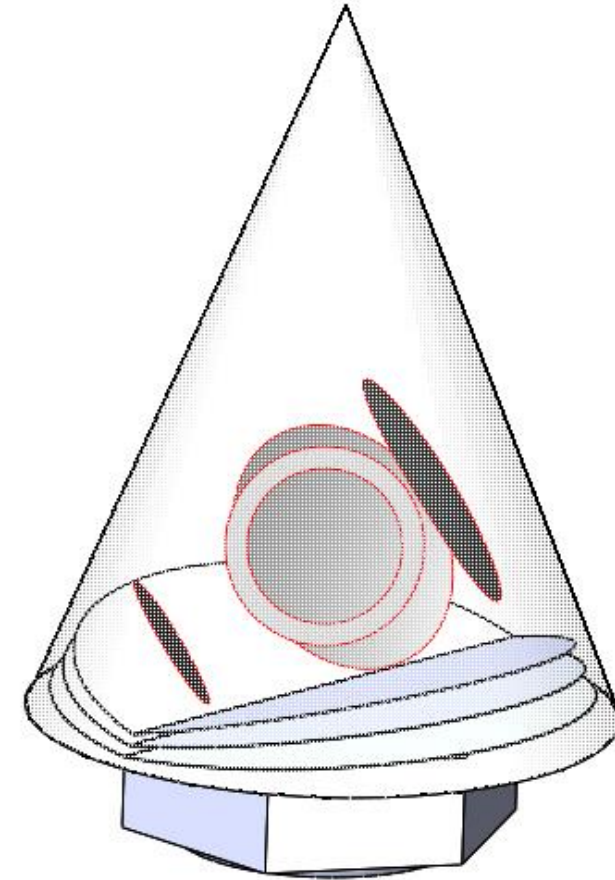
Qi Wen, Karl Young, Shaul Hanany, Xin Zhi Tan

Large-aperture Cross Dragone

$D=120\text{cm}$ $\text{FOV}_y=\pm 4^\circ$ $\text{FOV}_x=\pm 10^\circ$



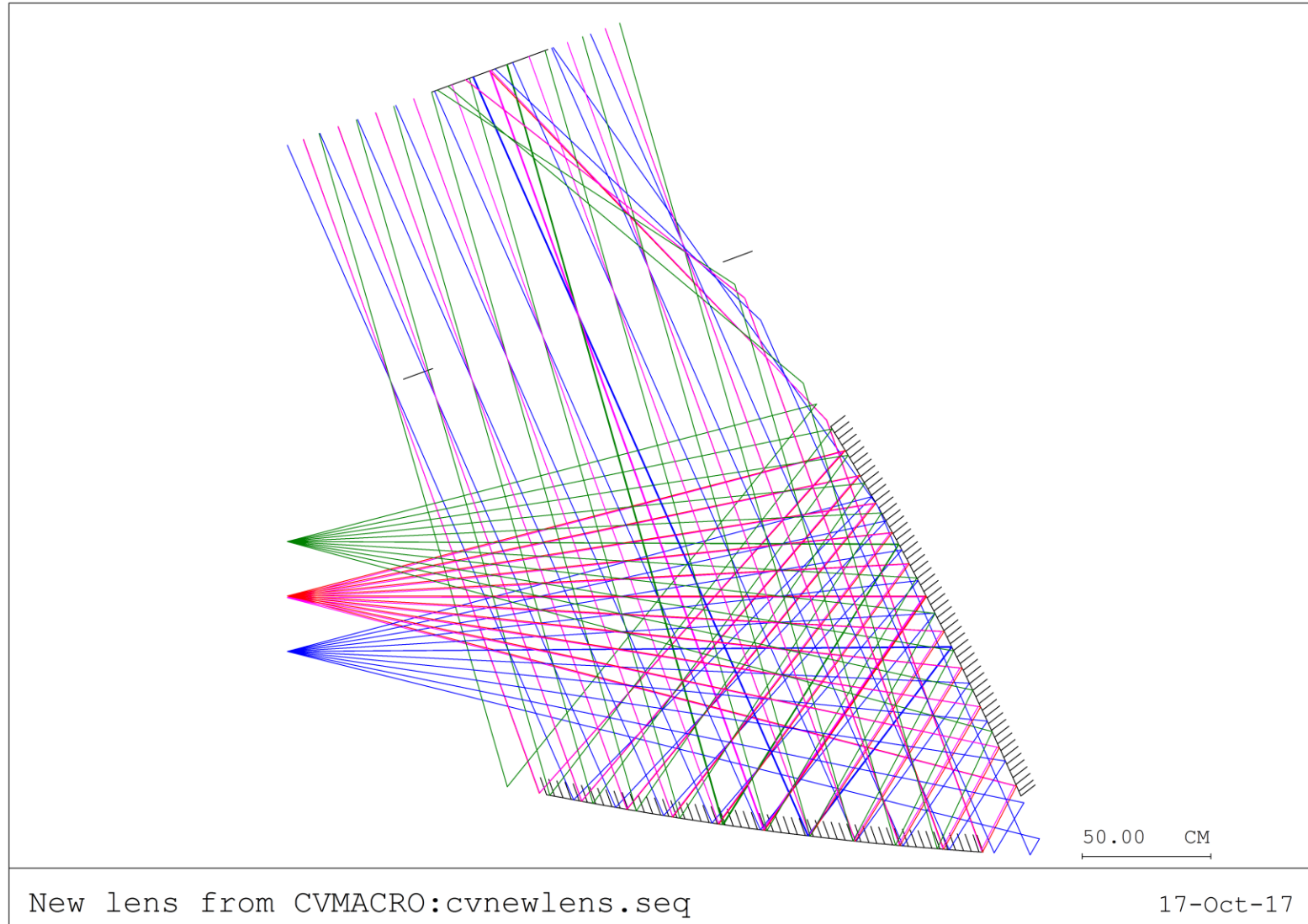
No direct view of sky



Fits in the envelope

No clipping sidelobe

The ones we see in the plot are fake, since bouncing points are not on the mirrors.



Sensitivity

The large DLFOV at high frequencies allows us to sacrifice low frequency pixels and replace them with CMB pixels

30 K stop and mirrors

5010 detectors

Edge taper of 18 dB, $2.8 F \cdot \lambda$. Optimal for 30 K stop.

