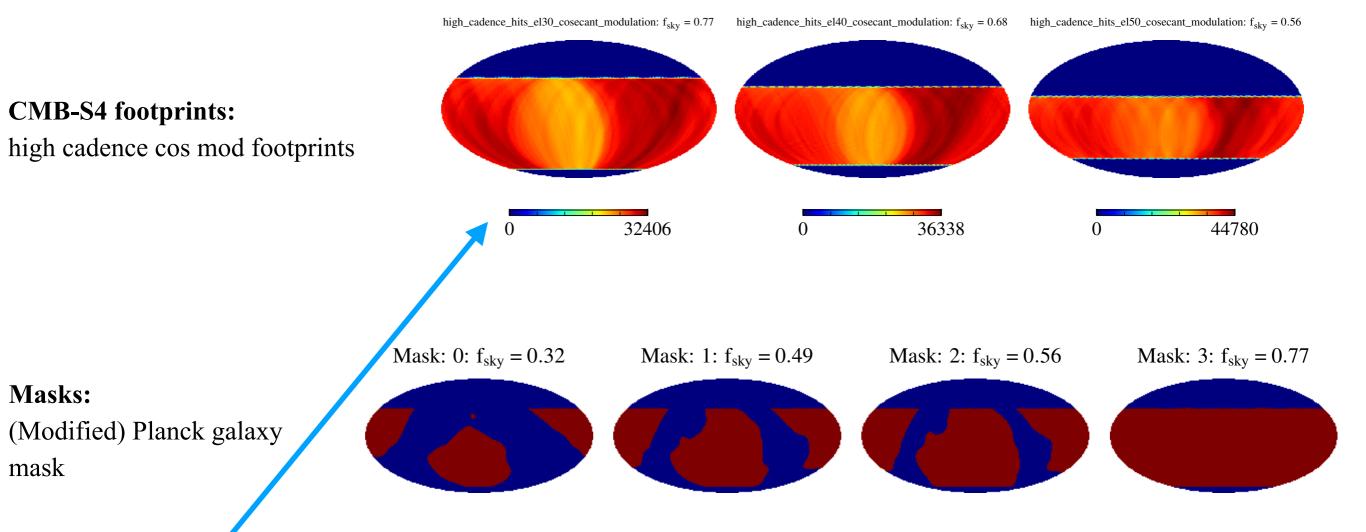
# DRAFT tool update: Including galactic emission 30 April, 2020

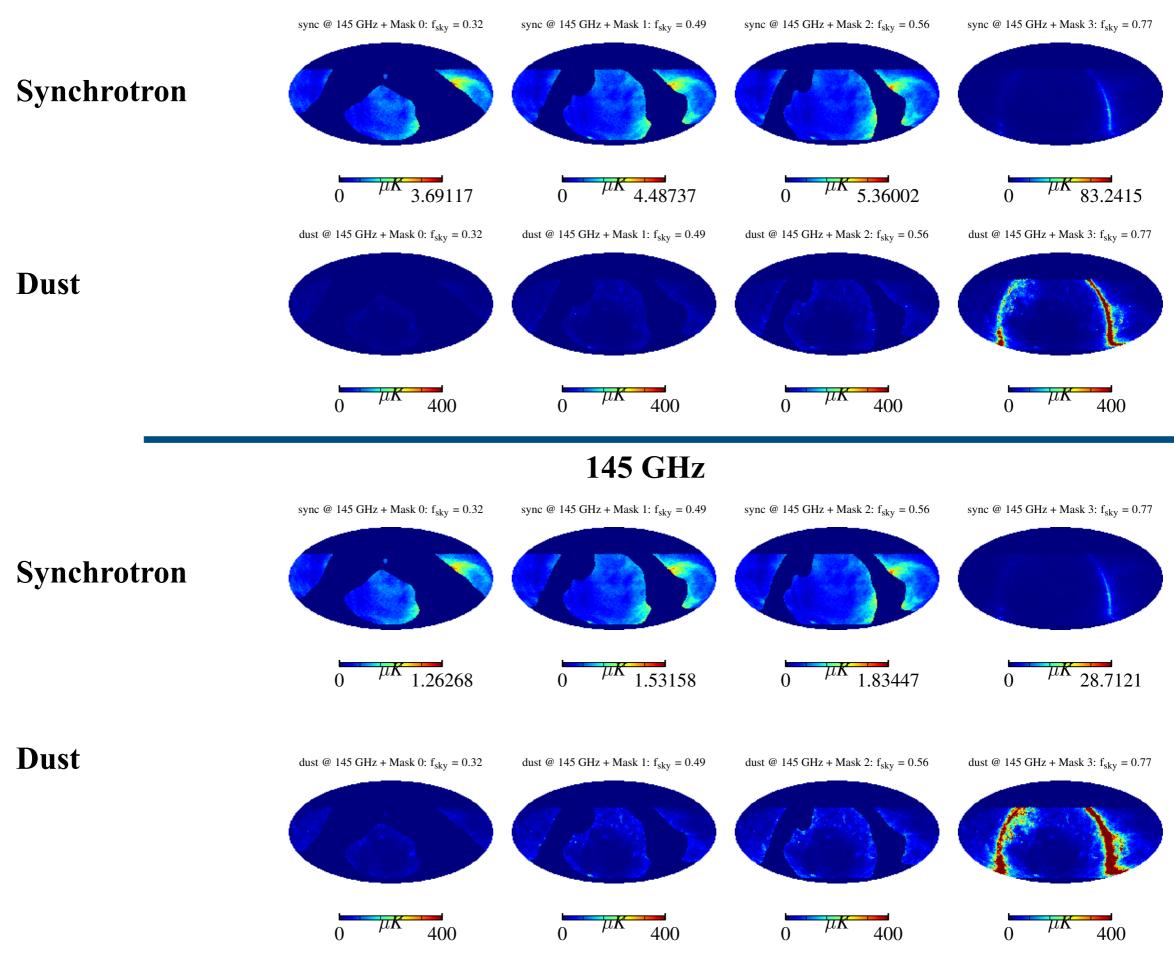
- Plan is to compute and store the covariances for galactic emission for some set of masks and footprints.
- To be fixed: currently using Planck galactic mask.



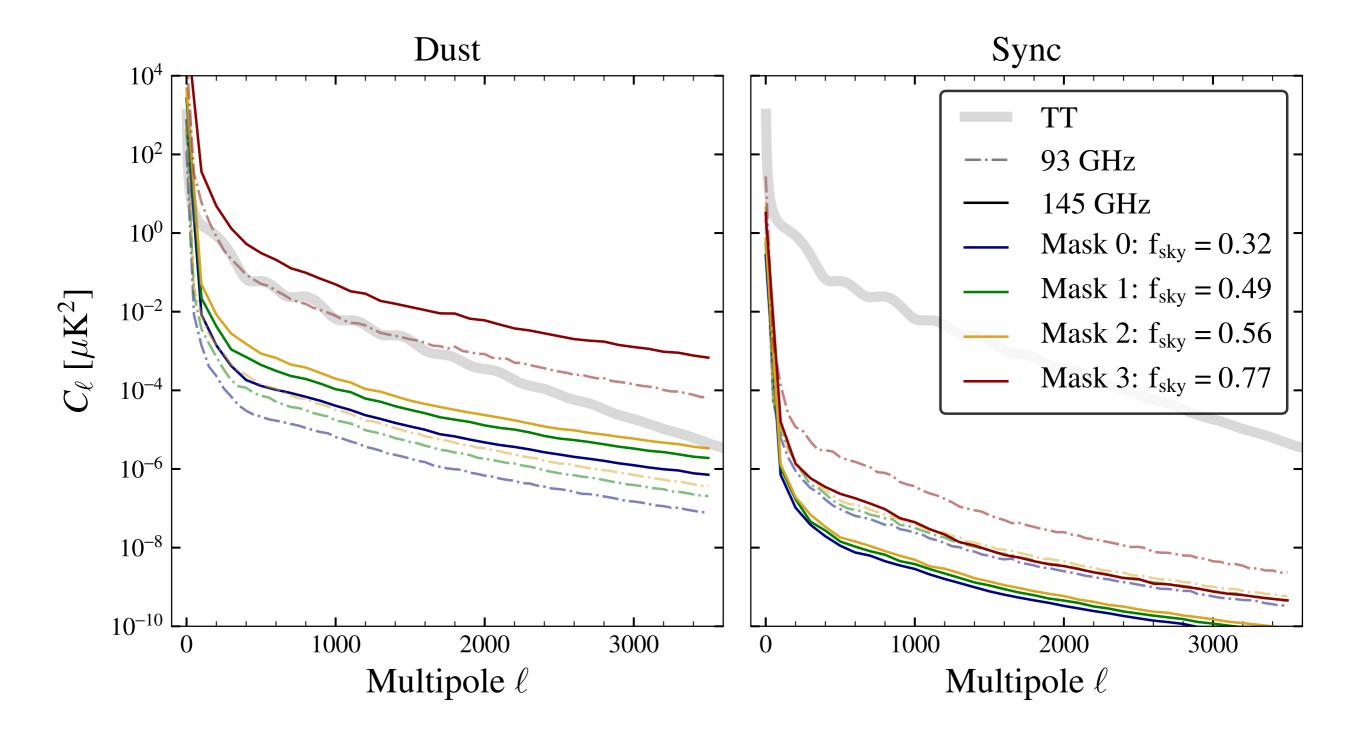
Covariance for galactic emission: 12 set of covariances: 3 footprints \* 4 masks

**To be fixed:** Currently just tried the first footprint ( $f_{sky} = 0.77$ )

#### **93 GHz**

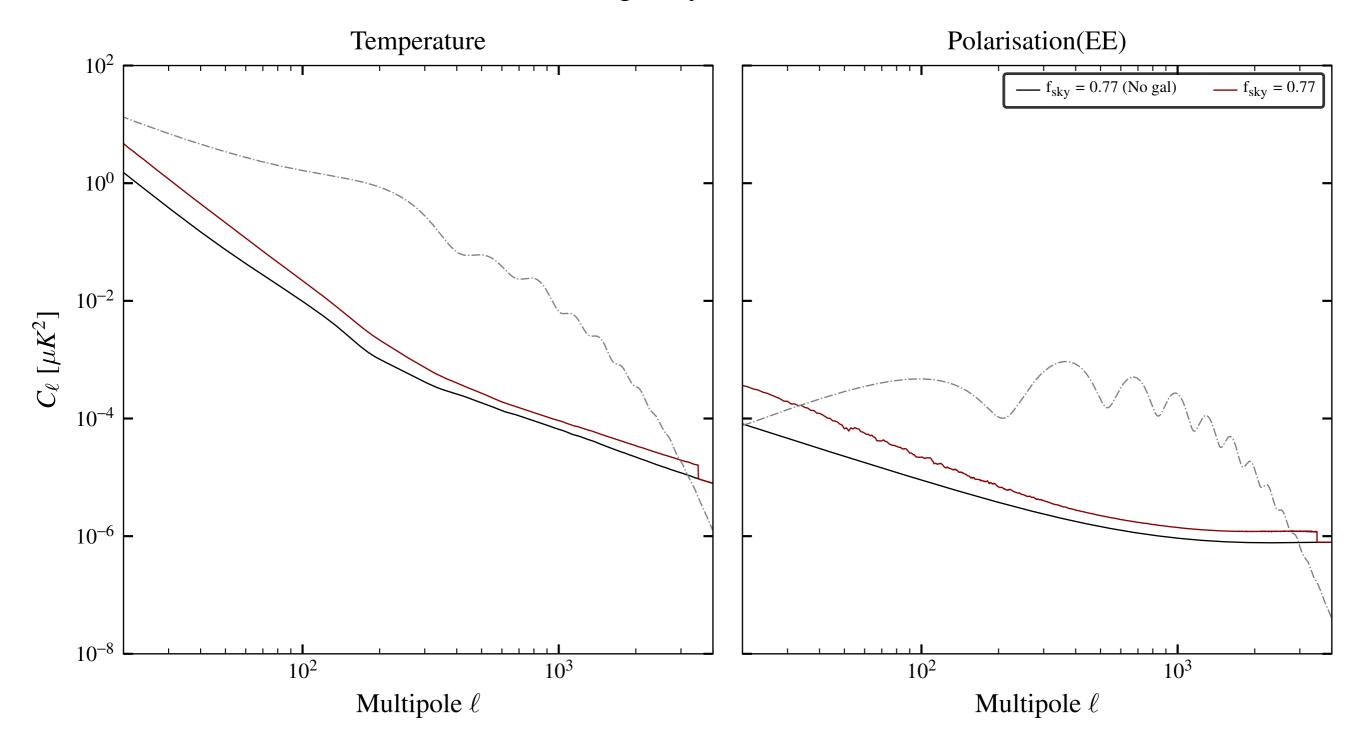


## Dust / Sync TT power spectra



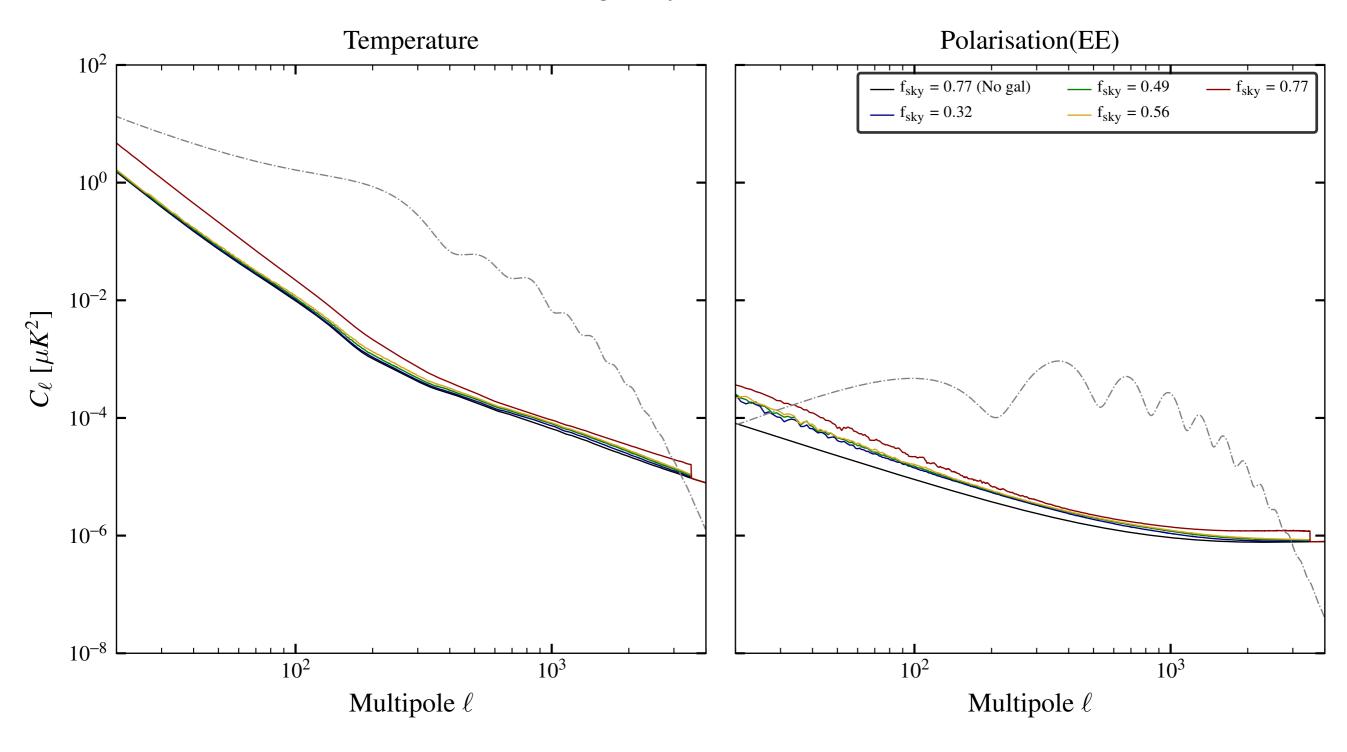
### ILC curves - W/o vs w/ galaxy (4 bands)

without\_vs\_with\_galaxy\_mask3\_93-145-225-278



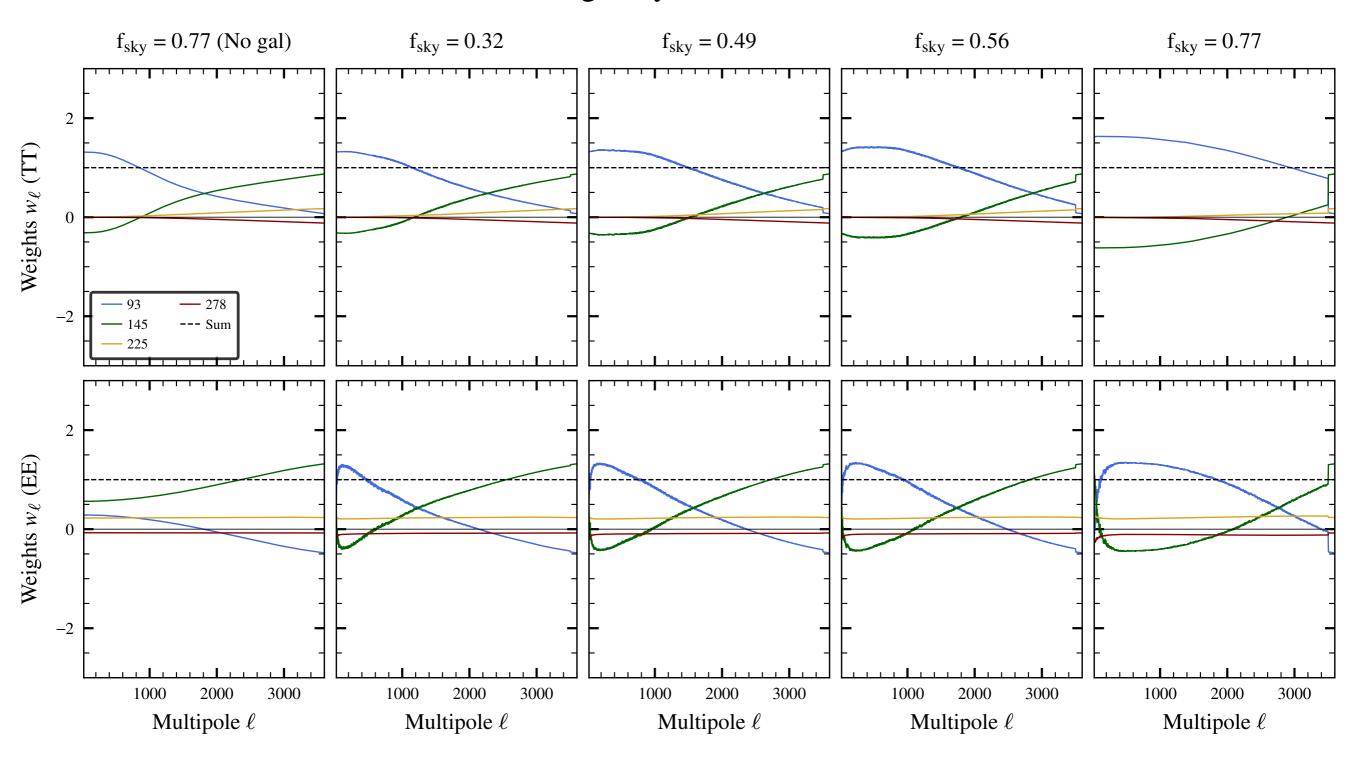
#### ILC curves - W/o vs w/ galaxy (4 bands, 4 masks)

without\_vs\_with\_galaxy\_allmasks\_93-145-225-278



## Weights (4 bands, 4 masks)

without\_vs\_with\_galaxy\_allmasks\_93-145-225-278



Eliminating bands, removing 1/f, ...