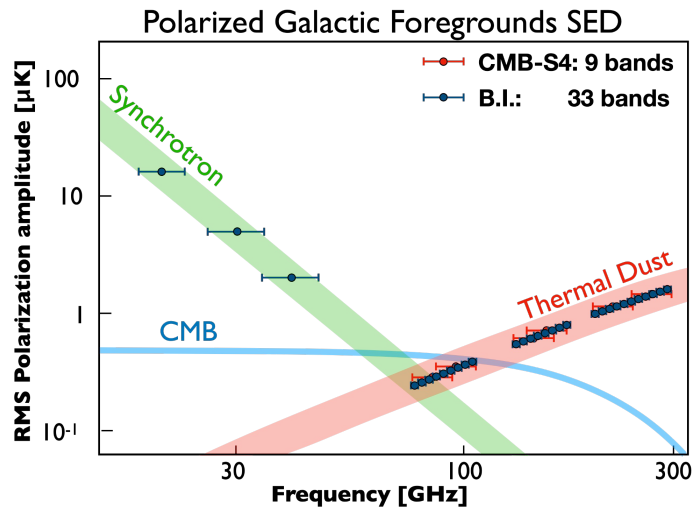
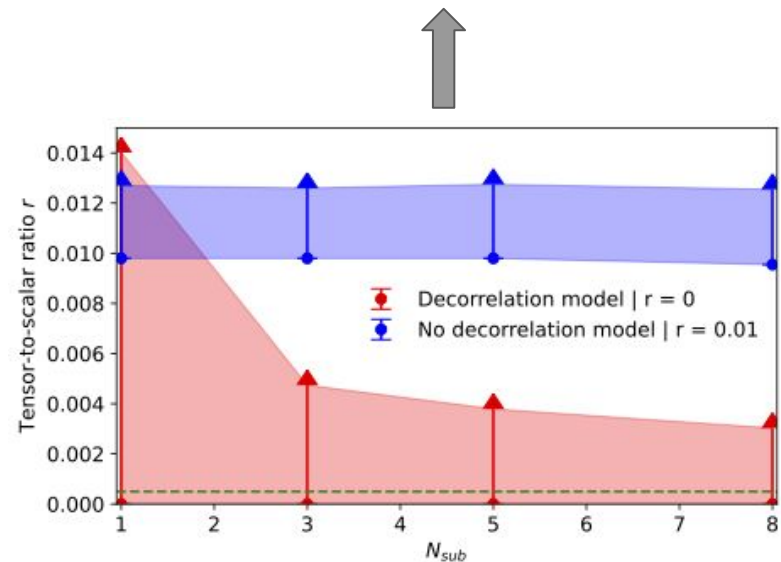


Ability to detect thermal dust frequency decorrelation



Corr_length = 15 : two times smaller than current upper-limit



- Simple thermal dust emission model is not sufficient
- Classical imager can not detect dust decorrelation
- BI is sensitive to frequency effect

We need BI to complement classical imager data !

Component Map-Making

The spectral information is inside the TOD, which leads to make components separation in time-domain.

$$\vec{d} = H \cdot \vec{c} + \vec{n}$$

- *Very powerful toolbox to fit components, systematic effects, instrumental parameters, etc ...*
- *Can produce joint analysis with every experiments*

