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## Cosmology with the T-E correlation coefficient

*jeudi 3 juin 2021 16:10 (20 minutes)*

Precise measurements of cosmological parameters have revealed tensions in the standard model of cosmology. One way of studying these tensions is to check the robustness of our datasets using observables that are less sensitive to systematic effects. In this talk I will discuss the properties of the Pearson's correlation coefficient of T and E modes  $\mathcal{R}_\ell^{TE}$ ; a combination of the power spectra which is insensitive to multiplicative instrumental systematics. I will present the first cosmological constraints from the correlation coefficient using the latest Planck data release (PR4).

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