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Projected-fields kSZ estimator

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In this talk, I will present the projected-fields kSZ estimator, where the kSZ signal is squared before cross-correlating it with a LSS field to avoid the cancellation of the signal due to electron velocity, which is equally likely to be positive or negative. Crucially, this estimator does not require spectroscopic redshift information. I will discuss new developments on the projected-fields estimator, namely the halo-model implementation, improved theoretical modeling, comparison to simulations, and bias-hardening of the estimator.

Auteur: KUSIAK, Ola (Cambridge)

Orateur: KUSIAK, Ola (Cambridge)

Classification de Session: CMB results and analysis