

LIM25 - Annecy



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Cosmology in the post-reionization Universe with LIM

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I will review the most important cosmological questions that can be addressed by using Line Intensity Mapping in the post-reionization Universe. I will describe how to build simple models for describing the IM signal and their astrophysical uncertainties. Then, I will focus on 21cm IM and other lines. In particular, some key questions will be: constraints on structure formation processes, neutrino masses, dark matter nature, cosmological parameters, non-standard models. I will discuss the synergies of such efforts with other observables.

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