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High-redshift universe with redshifted 21 cm line

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The redshifted 21 cm line of neutral hydrogen is one of the most useful probes of the early universe. Several experiments are ongoing and are being planned to detect the signal from high redshifts. Detection of the signal will help in understanding the first stars in the Universe, the formation and evolution of galaxies and also constraining cosmological parameters. In this talk, we will discuss some of the most interesting problems in cosmology and the high-redshift universe that can be studied using the 21 cm line, highlighting possible synergies with observations in other wave bands.

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