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Cosmology with high redshift FRBs

Monday, 5 July 2021 18:00 (20 minutes)

The quest for high redshift FRBs is ongoing with telescopes such as FAST and GBT looking for highly dispersed events. If FRB-producing systems exist at early times, such sources would provide new unique ways to probe Cosmic Dawn and Reionization. On one hand, FRB dispersion would allow us to probe the history and topology of Reionization. On the other hand, number counts of high redshift FRBs would indirectly probe galaxy formation at high-redshifts. In this talk I will focus on the prospects of advancing our understanding of the first billion years of cosmic history using high-redshift FRBs.

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Session Classification: What Can We Learn from a Growing Sample of Fast Radio Bursts?

Track Classification: Fast Transients: What can we learn from a growing sample of Fast Radio Bursts?