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Observing the cosmic dawn and epoch of reionization with the 21-cm line - 15'

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The quest for the 21-cm signal from the Cosmic Dawn and subsequent Epoch of Reionization has taken an unexpected turn with the reported detection of a sky-average absorption trough centred at 78 MHz ($z \sim 17$, Bowman et al., 2018) whose explanation challenges any current theoretical model. In this talk I will present competing observations aimed to confirm the reported detection. I will also review the current status of the Hydrogen Epoch of Reionization Array (HERA), the most sensitive SKA precursor for observations of the 21-cm line from the Cosmic Dawn and subsequent Epoch of Reionization.

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