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Abstract for an Invited Paper
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**Taking the Measure of the Universe with CHIME (the Canadian Hydrogen Intensity Mapping
Experiment)**

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Cosmology is the study of the physical universe and the questions being addressed are profound. How old is the universe? How did it begin? Is it finite or infinite? Remarkably, these questions are starting to be answered. Thanks to precise observations from an array of new instrumentation, we know the age of the universe to better than 1