



Contribution ID: 139

Type: **talk**

Cosmic Explorer: Status and Plans

Monday, 17 May 2021 08:20 (20 minutes)

Joshua Smith and the Cosmic Explorer Team

We present an overview of the status of and plans for Cosmic Explorer (CE), the U.S. contribution to the third-generation gravitational-wave detector network. CE will observe gravitational-wave sources across the history of the universe. Sources that are barely detectable by today's instruments will be resolved with incredible precision. Considerations such as the number and location of the detectors and the technology choices are discussed along with a roadmap for funding and construction CE.

Primary author: SMITH, Joshua (California State University Fullerton)

Presenter: SMITH, Joshua (California State University Fullerton)

Session Classification: Recorded talks: Third Generation Design

Track Classification: Next detectors: Third generation design