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Type: **Oral presentation**

## modeling and interpretation of spectral properties of primeval galaxies

*jeudi 18 mars 2021 16:20 (20 minutes)*

The James Webb Space Telescope will enable the direct exploration of primeval galaxies near the Epoch of Reionization, at the end of the Dark Ages. To best interpret these upcoming observations in terms of constraints on theories of galaxy formation and evolution, we require models of the light emitted by the first galaxies. A particularly critical task is to identify spectral diagnostics of the different ionizing sources capable of powering the first galaxies, such as young massive stars and accreting black holes, and of the leakage of ionizing radiation into the intergalactic medium. This is the focus of this presentation.

### Language

English

### Field

astrophysique

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