ID de Contribution: **15** Type: **Non spécifié**

Slitless spectrophotometry analysis with StarDICE

vendredi 9 juin 2023 10:15 (15 minutes)

The number of type Ia supernova observations will see significant growth within the next decade, especially thanks to the Legacy Survey of Space and Time undertaken by the Vera Rubin Observatory in Chile. With this increase, statistical uncertainties will decrease and flux calibration will become the main uncertainty for the characterization of dark energy. To deal with this issue, the StarDICE experiment proposes to measure at the per mil level the spectra of stars from the CALSPEC calibration. These stars can thus become standards of reference for the LSST experiment. StarDICE experiment is currently operating at l'Observatoire de Haute-Provence. With slitless spectrophotometry data and atmosphere simulation, we have been able to extract preliminary spectra of stars as g191b2b or HD116405. In this talk, I will present the ongoing spectrophotometric analysis and the first steps toward full-forward modeling of the StarDice images.

Author: SOUVERIN, Thierry

Co-auteur: NEVEU, Jérémy (LPNHE)

Orateur: SOUVERIN, Thierry

Classification de Session: Science talks