ID de Contribution: **35** Type: **Non spécifié**

The WaZP DC2 Run: Performance and Comparison to redMaPPer

vendredi 9 juin 2023 09:45 (15 minutes)

Galaxy clusters can provide strong constraints on cosmic evolution and as such play a central role in the Dark Energy Science Collaboration efforts. In the era of big cosmological surveys, such as the nearing LSST run, optimized cluster finding algorithms are a necessary tool in the data pipeline process with a few finders already strongly developed: redMaPPer, WaZP, and AMICO. The redMaPPer cluster finder is the most developed of the three cluster finders but uses the red sequence for redshift estimation. Since LSST will be making an extensive photometric redshift catalog, photo-z cluster finders such as WaZP and AMICO would be ideal to implement into the data pipeline. In this talk we will discuss the ongoing developement of the WaZP cluster finder and its performance on DC2 year 5 release compared to identical runs with redMaPPer.

Auteur principal: SOLOMON, Rance (LAPP)

Orateur: SOLOMON, Rance (LAPP)

Classification de Session: Science talks