

## **Distance determinations using RR Lyrae stars and the new reddening maps of the Magellanic Clouds**

During my talk, I will present preliminary results concerning the calibration of the Baade-Wesselink method of distance determinations for RR Lyrae stars.

I will shortly introduce the new reduction - standardization pipeline that I've written for the purpose of the reduction of photometric data.

I will also talk about the new reddening maps of the Magellanic Clouds that were published earlier this year. Additionally, we will also take a peek at the Cerro Armazones Observatory in Chile which serves the Araucaria project's purposes.

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**Session Classification:** Student presentations