

**Subject:** [Indico] Abstract submission confirmation (An Invitation-only Workshop: Halo and Galaxy Assembly Bias - from Theory to Observation)  
**From:** leeastronomy@sjtu.edu.cn  
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Dear Jonas Chaves-Montero,

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Conference: An Invitation-only Workshop: Halo and Galaxy Assembly Bias - from Theory to Observation

Submitted by: CHAVES-MONTERO, Jonas

Submitted on: 07 May 2019 16:48

Title: Influence of assembly bias on galaxy star formation history

Content

Our cosmological model predicts a hierarchical formation of structures, where low mass halos form first and then grow by accretion and mergers. In the absence of baryonic processes, gravitational forces should drive a parallel growth of dark matter and baryonic perturbations. As a result, the baryon content of a halo should only depend upon its dark matter mass. In this work, we explore the dependence of galaxy star formation history on secondary halo properties using UniverseMachine galaxies.

Summary

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Indico project <http://indico-software.org/>