

Physically Consistent Galaxy Stellar Masses and Star Formation Rates From z=0 to z=10 HST Proposal 15631

Peter Behroozi University of Arizona

Cycle: 26

Category: Galaxies and the IGM

Proposal type: AR

Status:

HST Proposal Information:

about this proposal

about other proposals by this PI

Proposal Abstract

We propose a forward modeling approach that will self-consistently combine multi-epoch and multi-waveband data and reduce uncertainties in recovering galaxy stellar masses and star formation rates from current ~0.35 dex levels to the 0.15 dex level or less, benefiting both observers and theorists. Key outcomes include: a fully physical, self-consistent picture of galaxy stellar masses and star formation histories from z=0 to 10; significantly reduced uncertainties on the evolution of galaxies in dark matter halos; mock catalogs for arbitrary current and future surveys that simultaneously match currently observed galaxy number densities, colors, and clustering; and public code to enable easy incorporation of future datasets as they become available.;

ADS links

Papers related to proposal id:

· No papers listed in database for this Proposal ID

Search for relevant abstracts using the ADS Abstract Service					
Author's name	Behroozi, Peter				
□ Search on proposal abstract Return Query form					0
Begin abstract s	earch	Reset fo	rm		

Data for Program ID: 15631 (as of now)

number of rows returned = 0

Top of Page Copyright Email Questions or Suggestions Contacts Last Modified: Apr 19, 2016 16:58