



Contribution ID: 301

Type: **Oral**

Measurements of the Local Value of the Hubble Constant

Friday 11 August 2017 11:18 (18 minutes)

I will review the local measurement by the SHOES team of the current rate of expansion (H_0) of the universe from HST observations of Cepheid variables in host galaxies of Type Ia Supernovae. This measurement is a significant improvement from past measurements, and reduces many systematic uncertainties in past analyses. I will discuss the tension of our measurements with the inferred value of H_0 from CMB measurements. I will also go over what improvements to expect in the next two years.

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Session Classification: Plenary session