

Title: Panel Discussion

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Collection/Series: Cosmic Ecosystems

Subject: Cosmology

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Questions from the Panel

- 1) Evidence for “extreme feedback” from kSZ: baryons lifted to 2-3 R_{vir}
 - > can we identify the specific feedback mechanism(s) that do this?
 - > can this be done without breaking thermodynamic properties of galaxies
 - 2) Cosmology experiments (esp. SZ) are starting to connect with galaxy astrophysics but the overlap in halo mass is modest ($M_{\text{halo}} > \sim 10^{13} M_{\text{sun}}$).
How can constraints be pushed to lower halo masses and higher redshifts in coming decades?
 - 3) The cosmological tension with S8 appears to be easing. What role does baryonic physics have in this and other problems such as the H0 tension and what are the key observables?
- ... Other questions to pose to the panel and/or participants...