

The Mitchell Conference on Collider, Dark Matter, and Neutrino Physics 2023

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Λ CDM tensions and new physics

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In the last few years increased precision of experimental data led to challenges to Λ CDM. The dynamics of the expansion and the statistics of the growth of structure appear to be in tension between local measurements and inference from the CMB. I will discuss the H_0 and S_8 tensions and discuss new physics solutions in the context of dark matter/energy and quantum gravity.

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