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- **Key project** measures $H_0=72\pm8$
- Are local $H_0$ measurements still interesting?
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  distance to recombination 
  energy densities and hence expansion rate at high $z$
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- **CMB** observables then predict $H_0$ for a given hypothesis about the dark energy (e.g. flat $\Lambda$)

- Consistency with measured value is strong evidence for dark energy and in the future can reveal properties such as its equation of state if $H_0$ can be measured to percent precision