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- Key project measures  $H_0=72\pm 8$
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- YES!!!
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energy densities and hence expansion rate at high  $z$
- 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*