



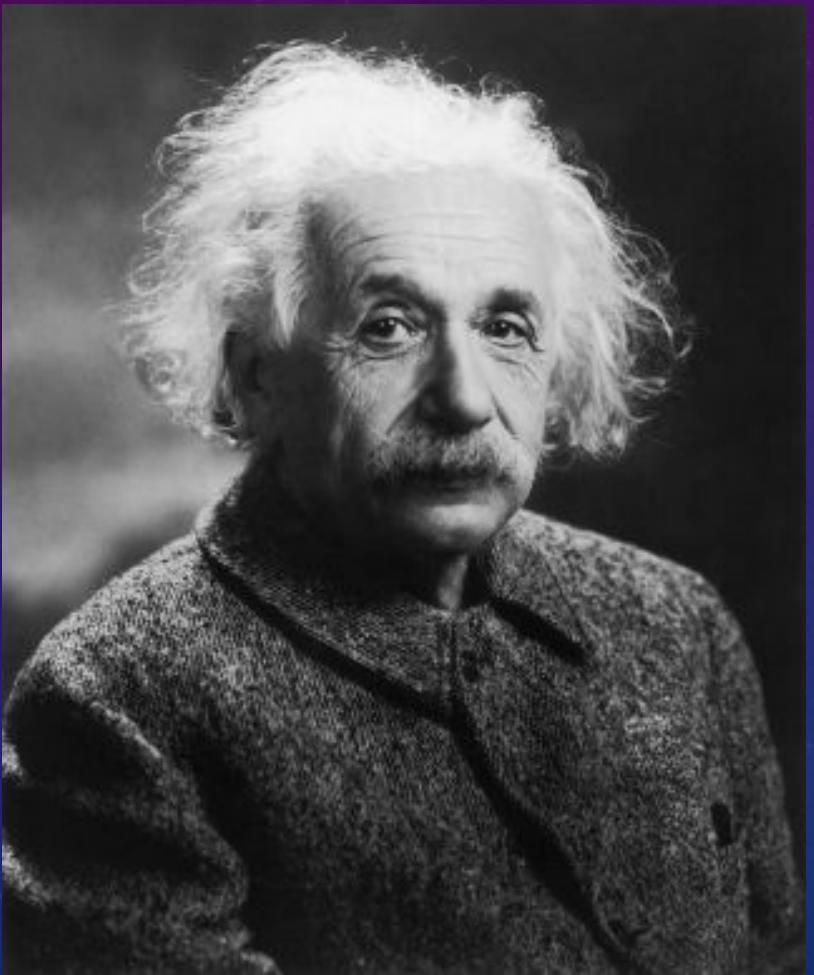
DARK ENERGY AND THE ACCELERATING UNIVERSE

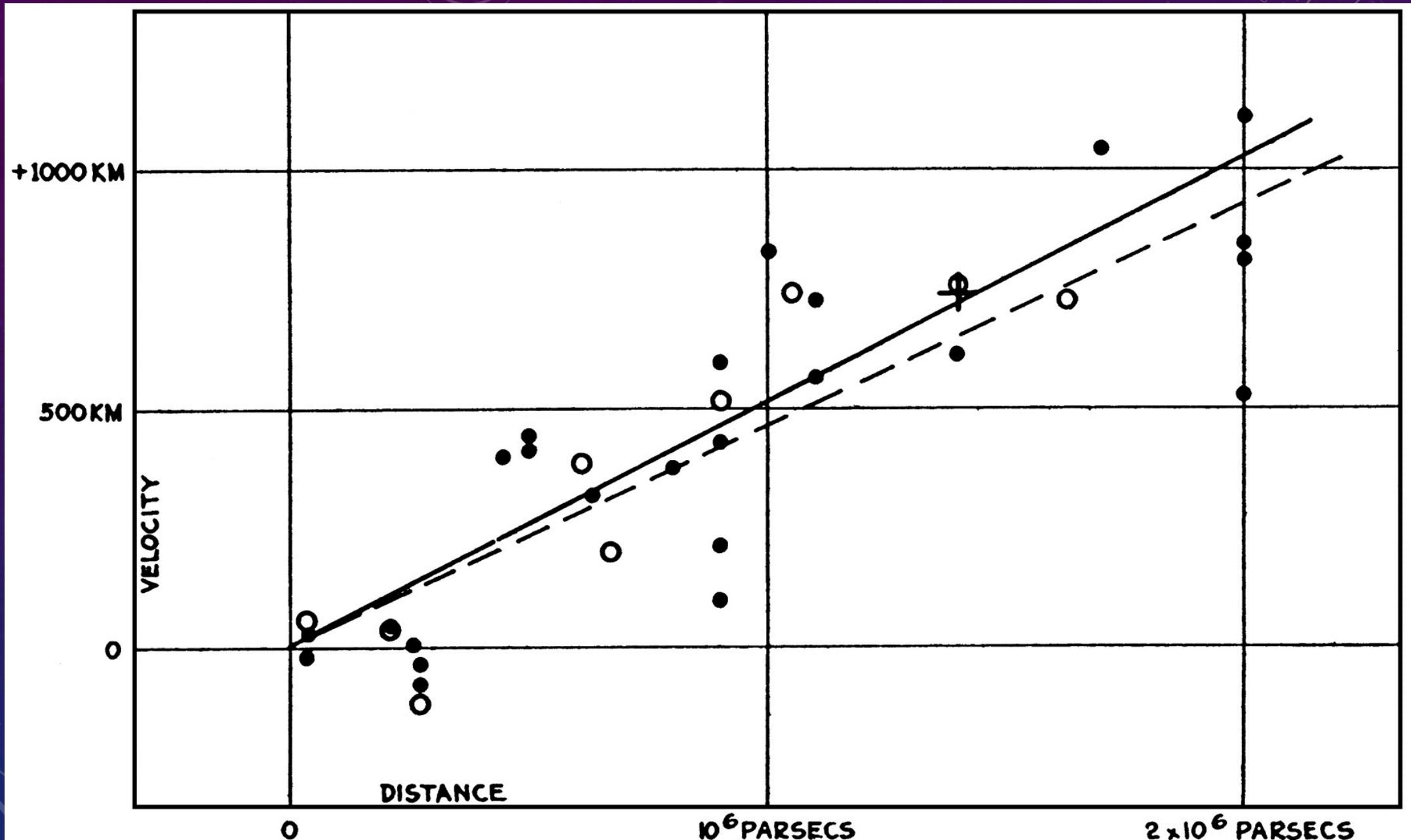
REBECCA CORLEY

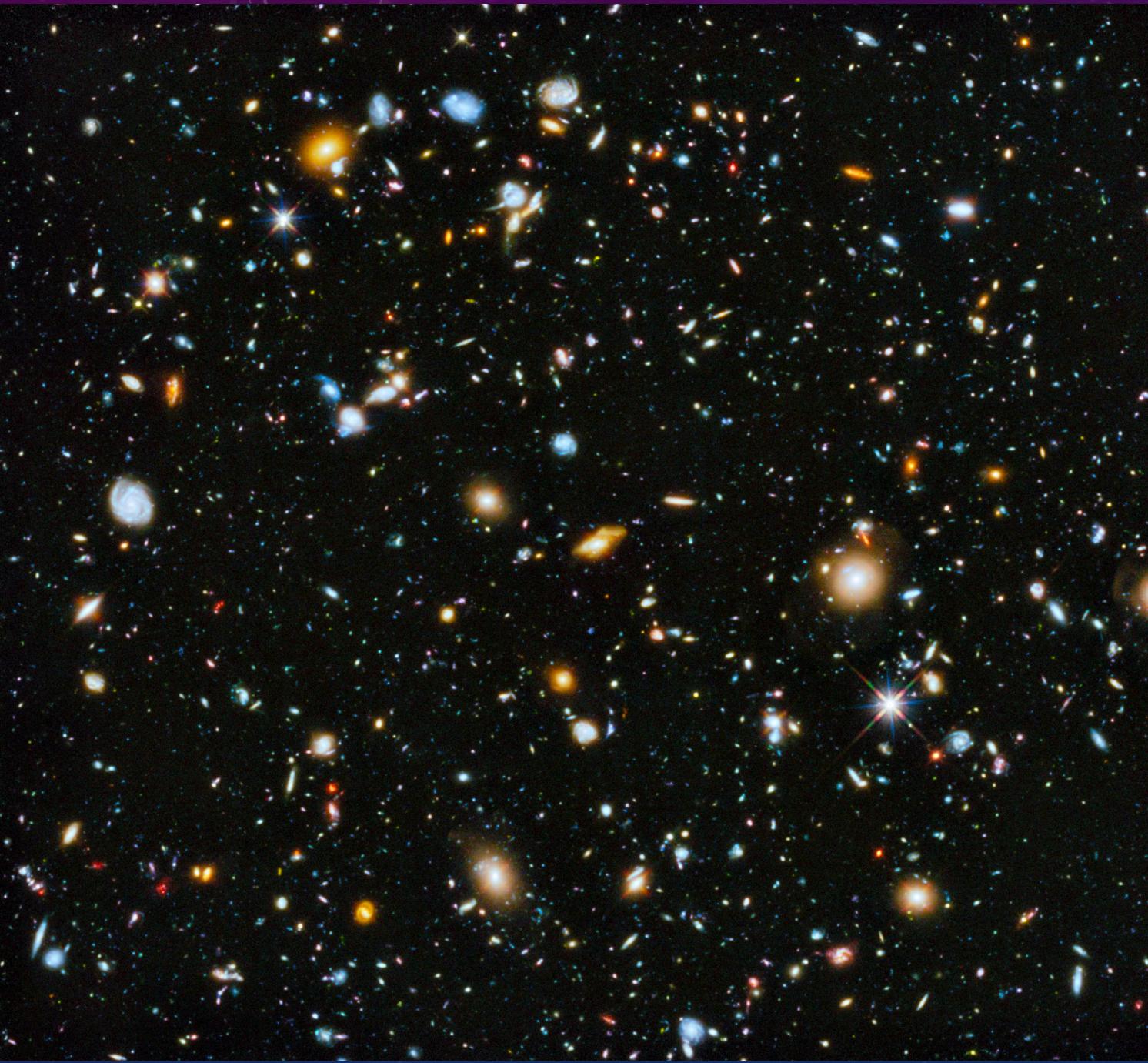
OBSERVATIONAL ASTRONOMY

SPRING 2020

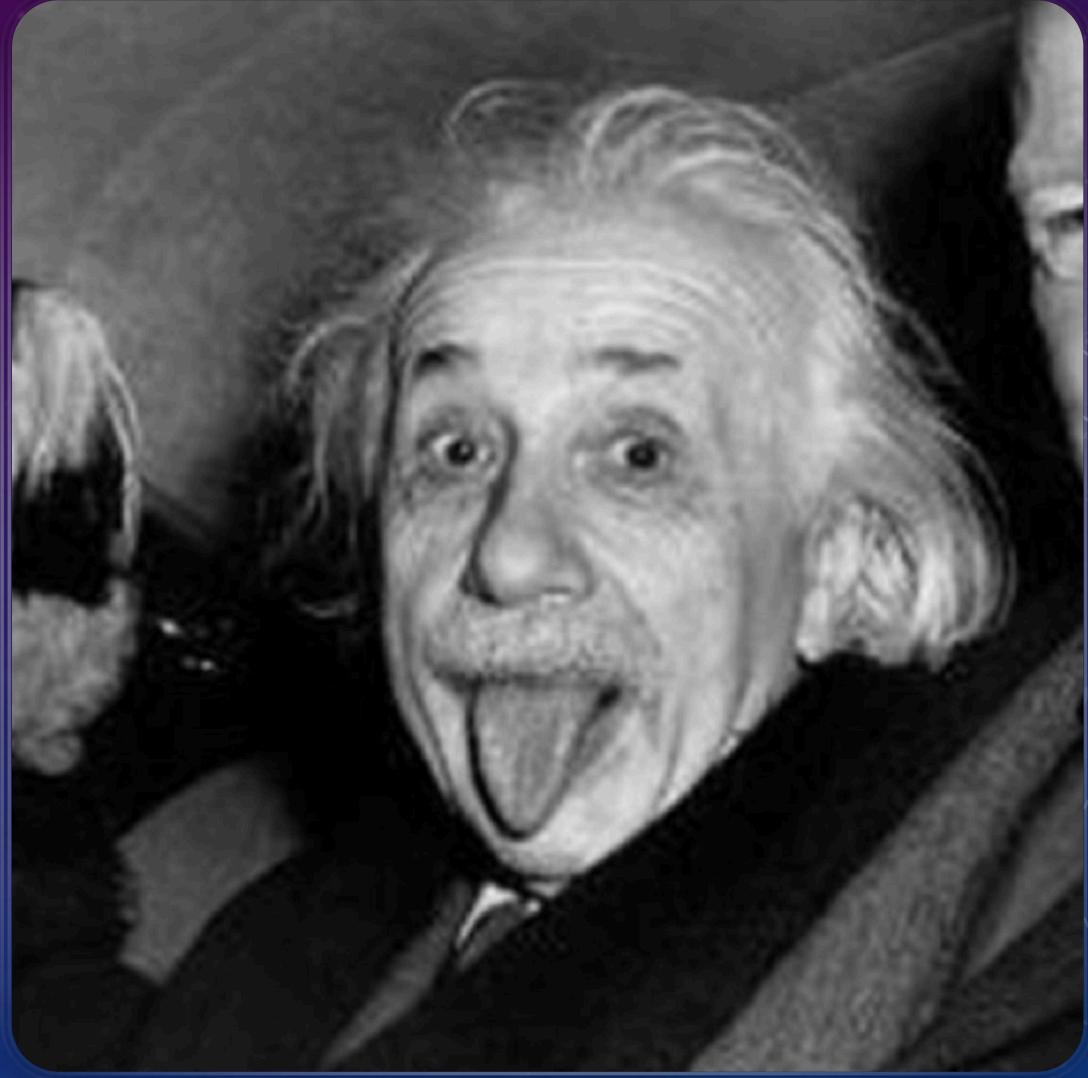
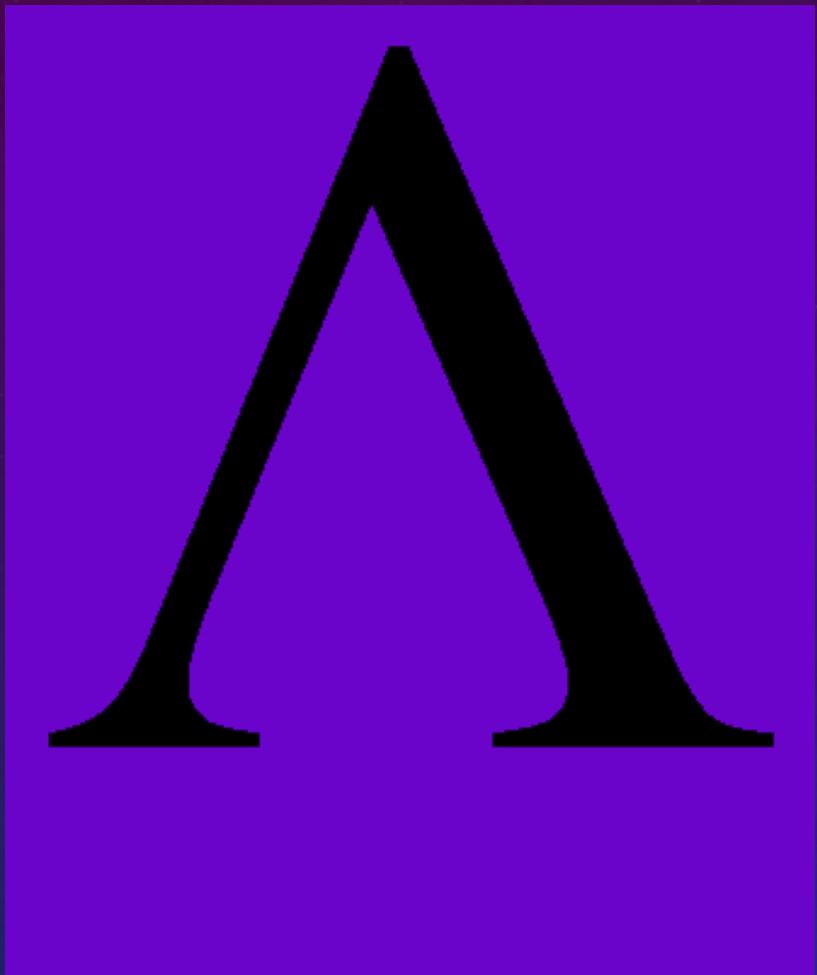
TO BUILD ON PREVIOUS WORK...







<https://www.space.com/24073-how-big-is-the-universe.html>



<https://curiosity.com/topics/whats-the-story-behind-that-wacky-einstein-tongue-photo-curiosity/>

SCALE OF THE UNIVERSE

BIG RIP

CONSTANT
DARK ENERGY

BIG CRUNCH

DECELERATION

ACCELERATION

1.6 0.8 0

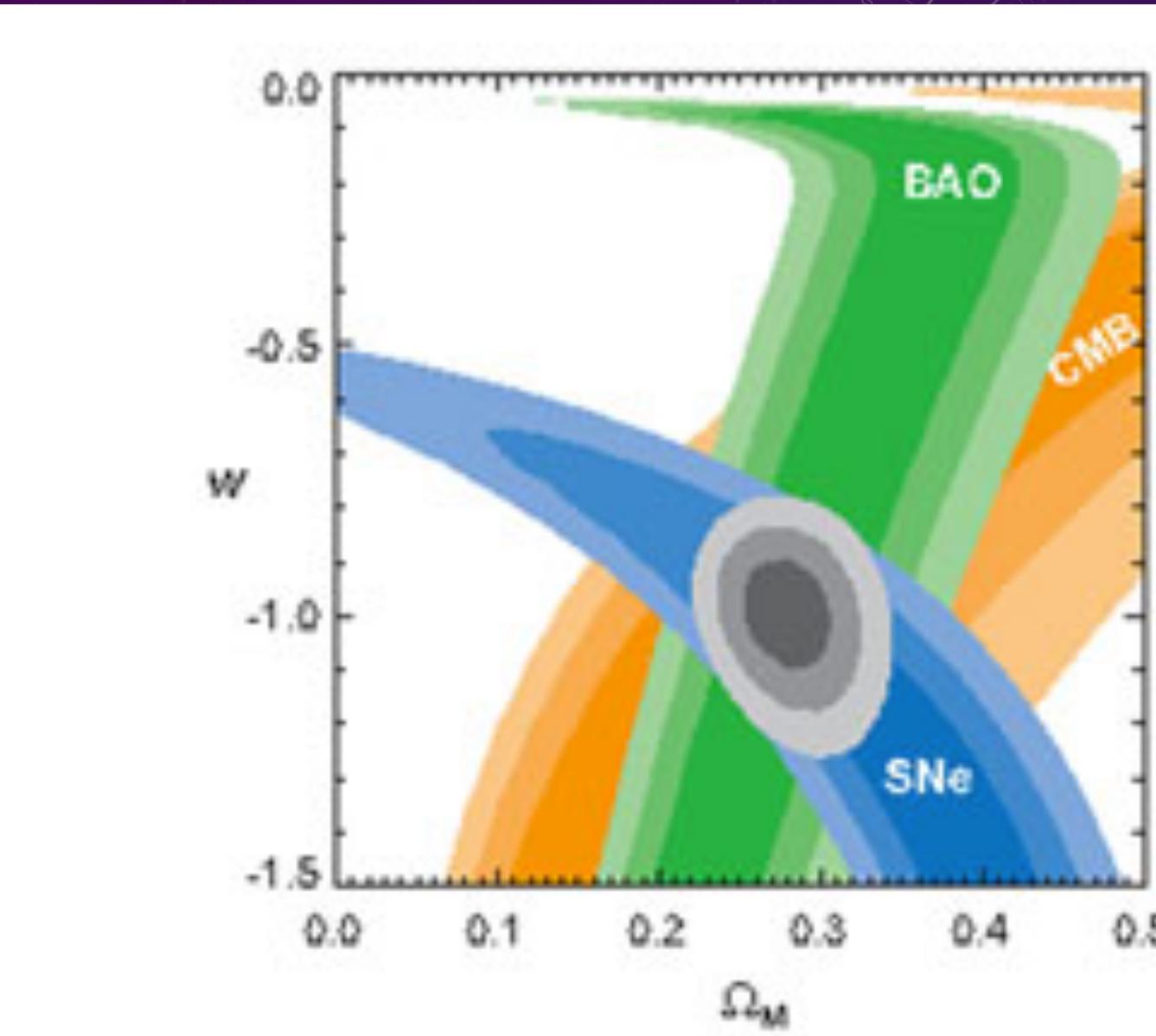
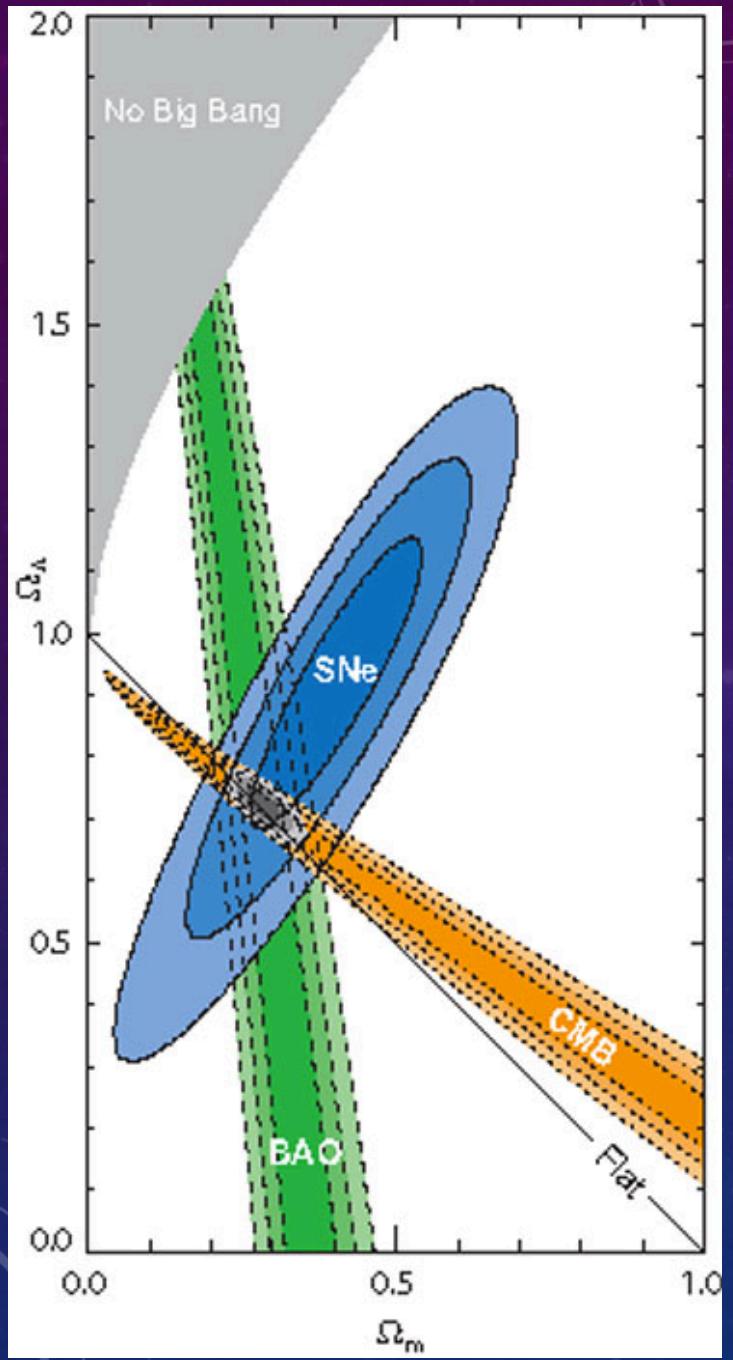
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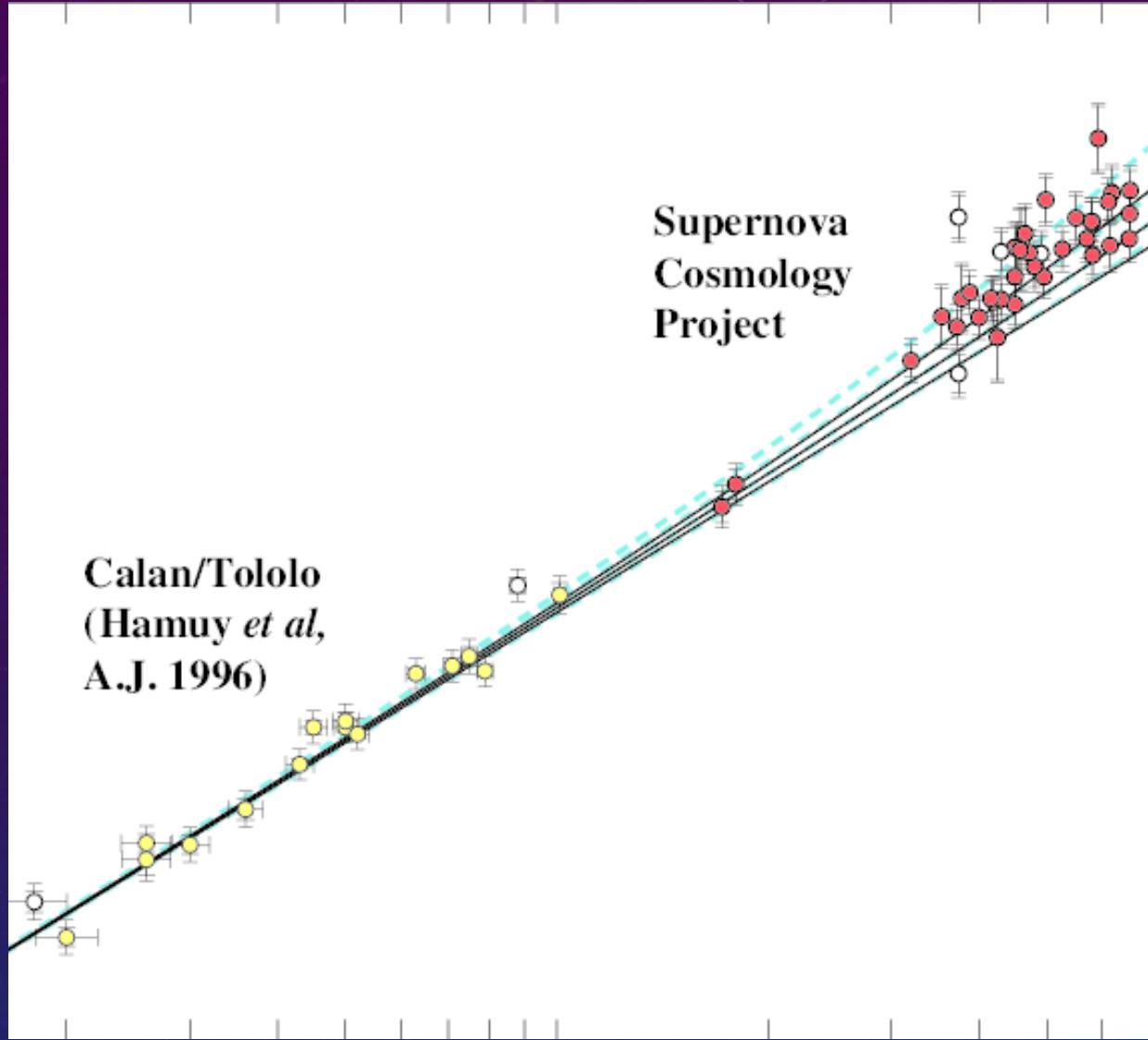
WHAT NOW...

- Dark Energy Survey with FermiLab and the Dark Energy camera

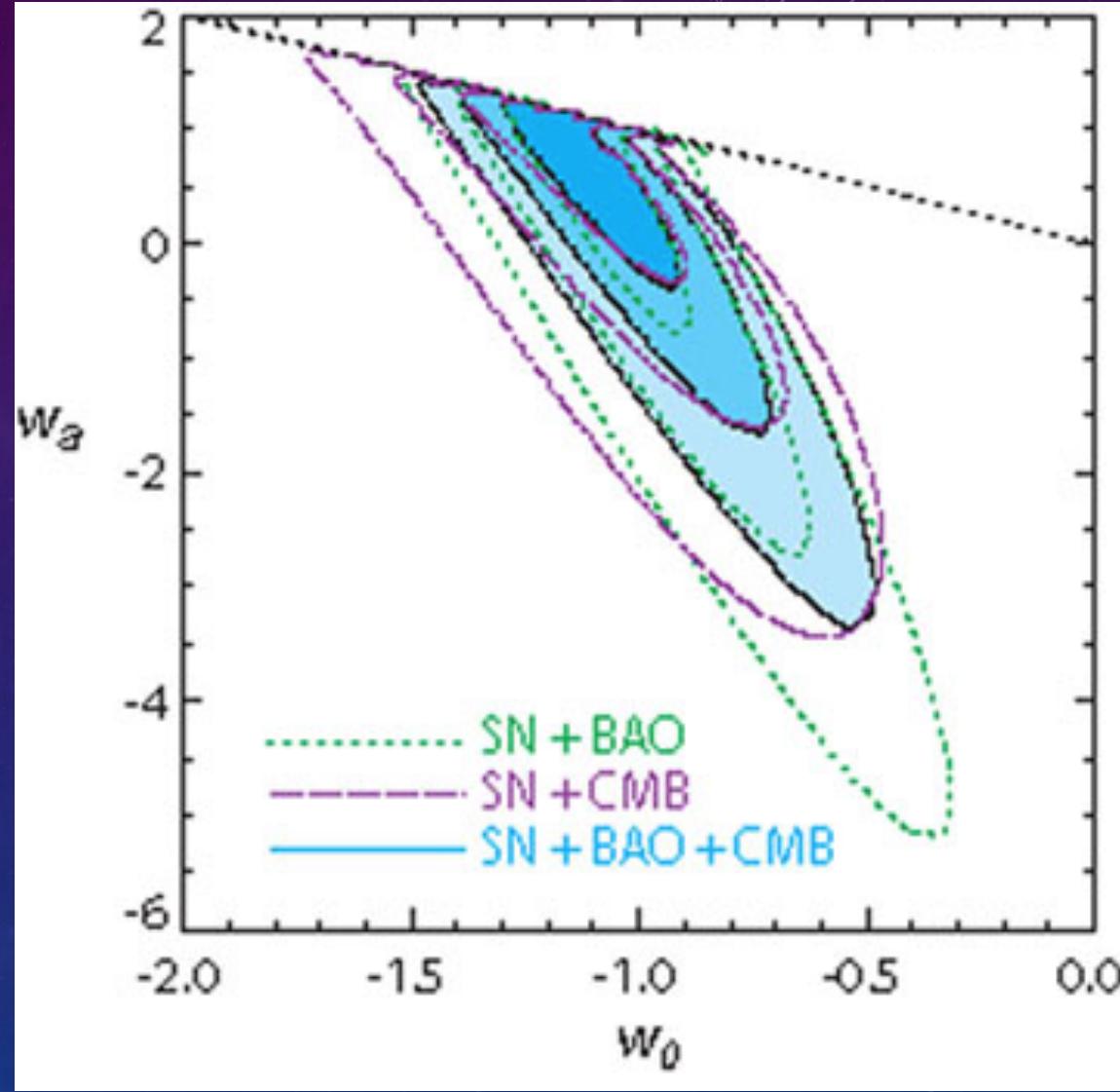
<https://www.darkenergysurvey.org/the-des-project/survey-and-operations/>

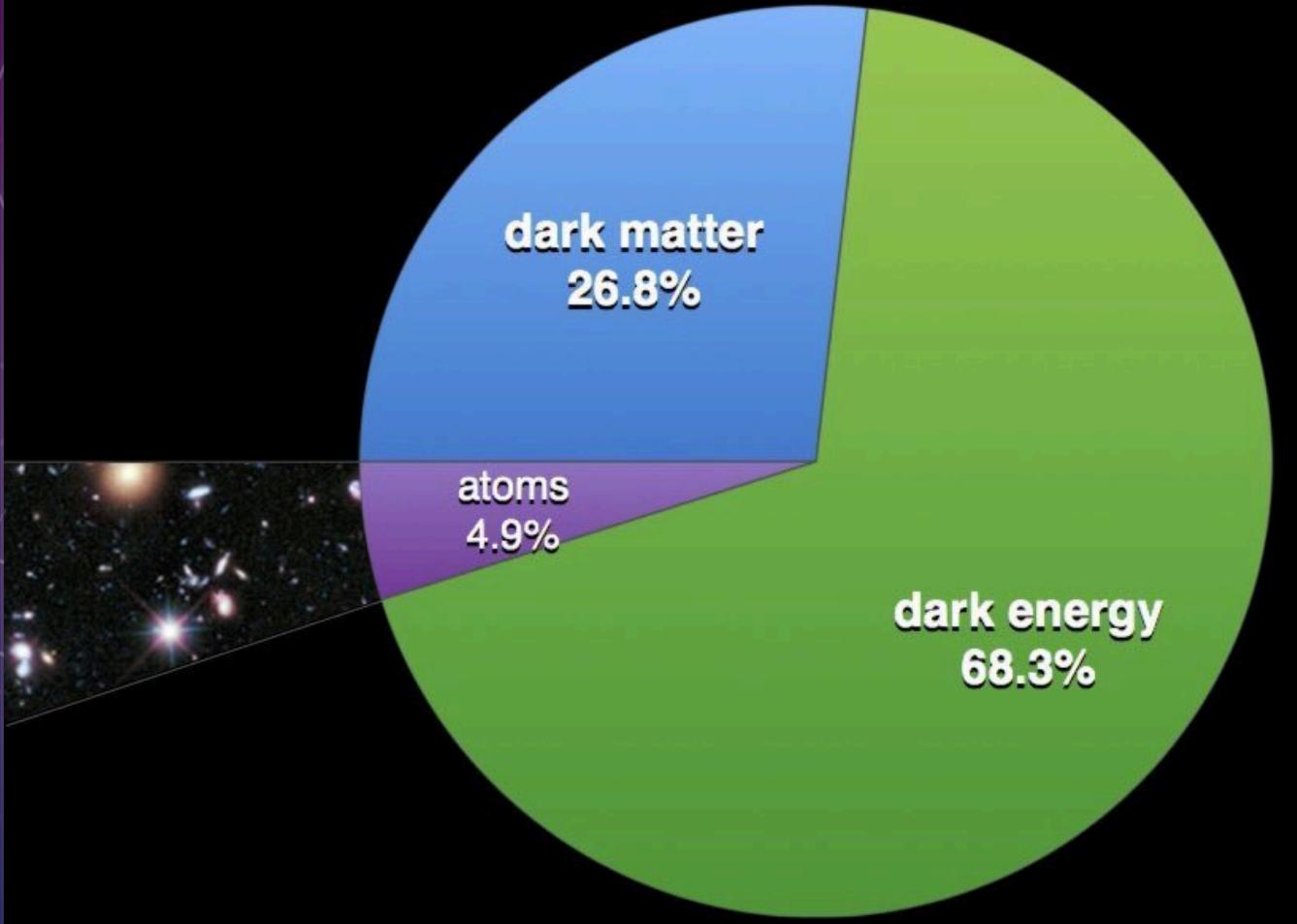






- Hubble Diagram revisited





@AstroKatie/Planck13

SO WHAT
DOES IT ALL
MEAN...

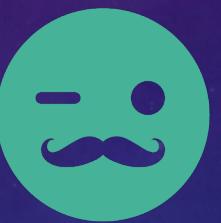
WHAT IS DARK ENERGY



KEEP ASKING QUESTIONS!



Where do we come
from?



Where are we?



Where are we going?