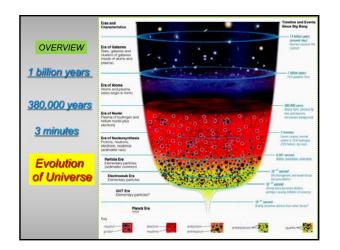
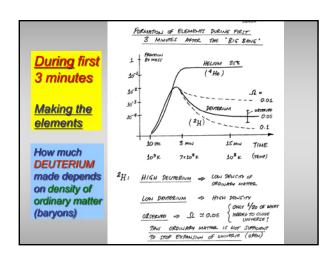
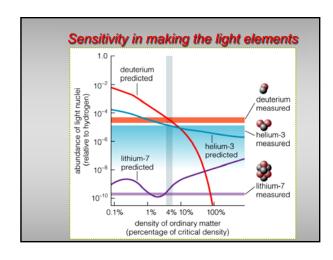


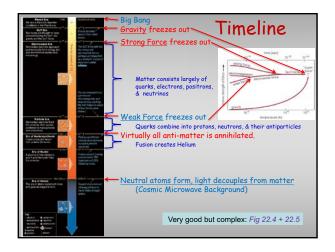
## **Our Schedule and Topics**

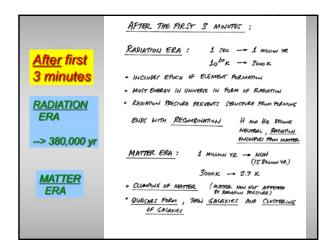
- Final Exam on Wed May 10, 1:30pm-4:00pm, here, closed book, 2 crib sheets allowed (4 sides), bring pencils
- All observatory reports, "virtual" or actual project A, due D2L dropbox by Mon May 8
- · After first three minutes in our universe
- Computer models of cosmology in action
- Cosmic web of galaxies emerges: cold dark matter crucial to structure formation
- Current big <u>outstanding questions</u> or issues in <u>astronomy</u>

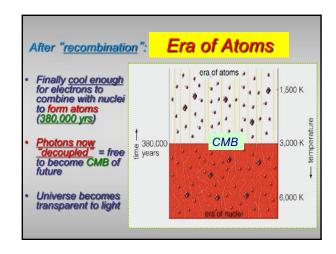


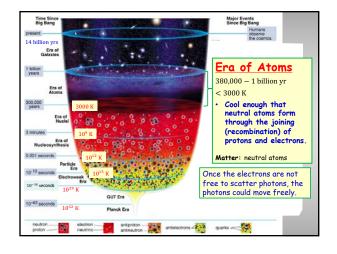


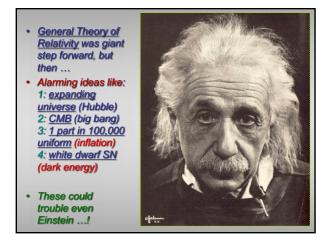




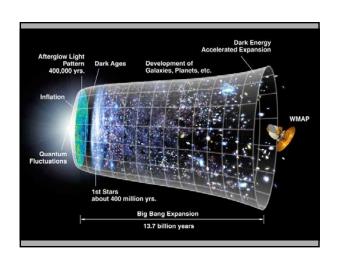




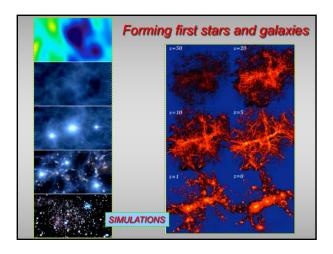


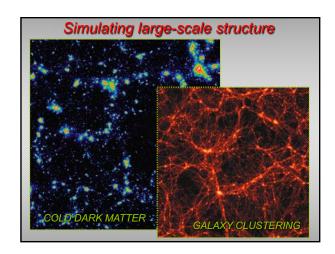


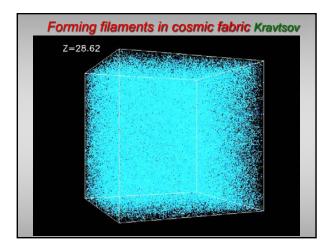


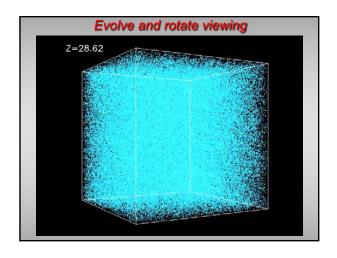


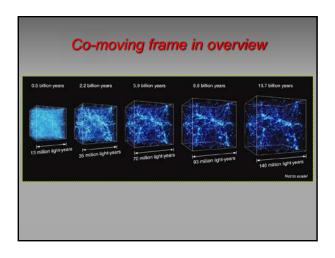


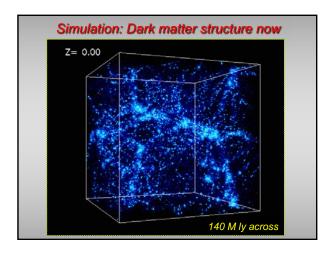




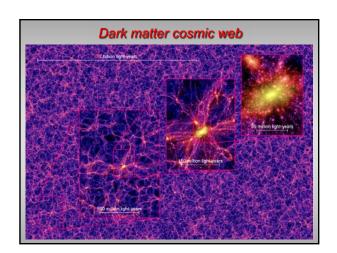


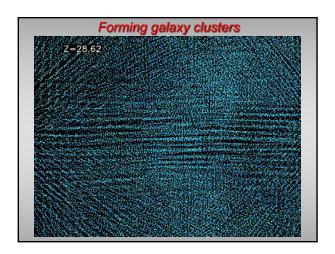


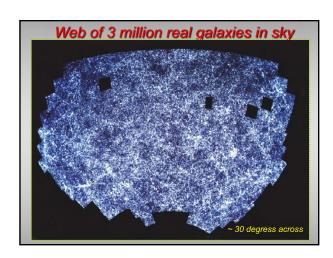


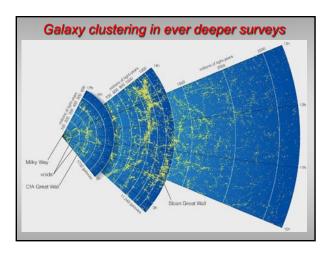


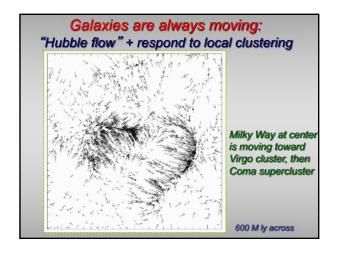


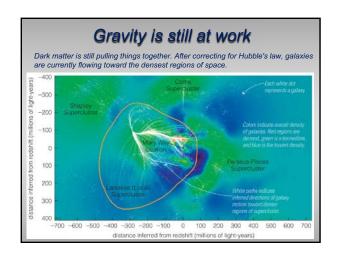


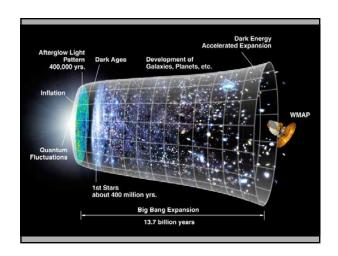






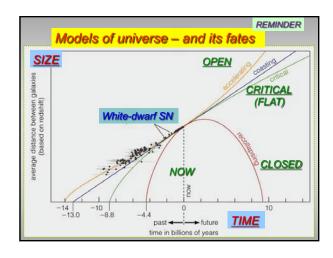






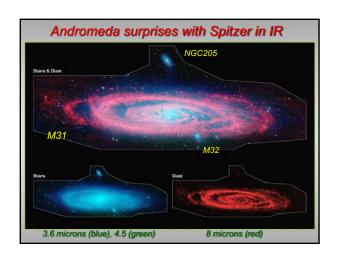
## The Big Mysteries

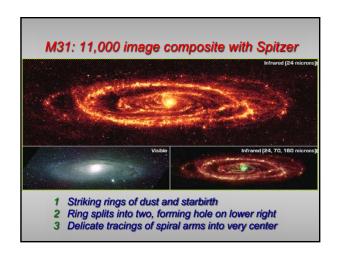
- · What will be the fate of the universe?
- · What is the universe made of?
- · What is the dark matter?
- Is the theory of inflation correct?
- What is the dark energy?
- Which of this, if any, should we believe?
   Science is not about belief, it's about exploration...
- · Is there life elsewhere?

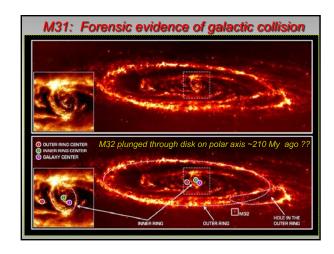


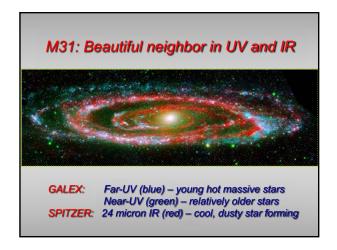
Some say the world will end in fire
Some say with ice
From what I've tasted of desire
I hold with those who favor fire
But if I had to perish twice
I think I know enough of hate
To say that for destruction ice
Is also great
And would suffice
-- Robert Frost
National Poet Laureat











We wish you good fortunes with the Final Exam next Wed (1:30pm here)
-- please bring pencils, crib sheets, ID
... and we hope you've enjoyed this course that has touched the universe