

W. Johns
03/17/03

Sequence for the Rest of 225b

Here is how I would like the rest of the course to go. We will finish fission, and go on to study fusion. From there, we will go on to look at cosmology and learn what particle physics we need to do so. To finish, we will delve more deeply into particle physics. Here is the sequence of sections I would like to follow:

- Finish fission with applications (13.6)
- Particle Kinematics(13.3) and intro Fusion(13.5)
- Exam II, covers ch 12 and 13. Date: March 26
- Stellar Evolution (15.4)
- Introduction to Particle Physics (14.1)
- Particle Organization(14.2 and 14.3)
- Conservation Laws (14.4)
- Nucleosynthesis (15.5)
- Compressed states of matter (15.6–15.8)
- Expansion of the Universe (16.1)
- Cosmic Microwave Background (16.2)
- Exam III, covers sections since exam II: April 18th?
- Dark Matter and Relativity review if needed (16.3)
- Cosmology, Density, Expansion (16.4)
- Big Bang(16.5)
- Where did stuff come from?(16.6)
- Prove it!(16.7)
- Quark Model and Standard Model (14.7 and 14.8)
- What's going to happen to all the stuff?(16.8)
- Particle Physics Roundup and rodeo (14.5–14.7)

The final exam is scheduled for Saturday, April 26th at 3:00 p.m.