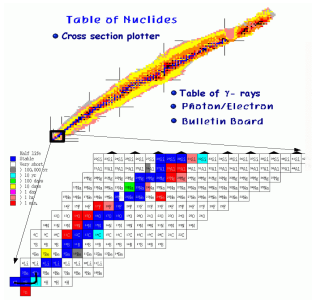
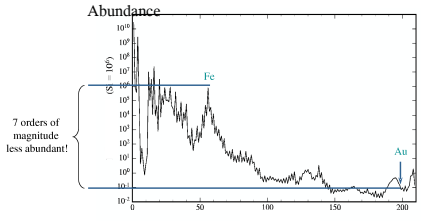
Isotopes



Element abundances in the universe



Question 3
How were the elements from iron to uranium made?

"The 11 Greatest Unanswered Questions of Physics"
based on National Academy of Science Report, 2002
[Committee for the Physics of the Universe (CPU)]

PHZ 4316/5315
Nuclear Astrophysics
Spring 2009

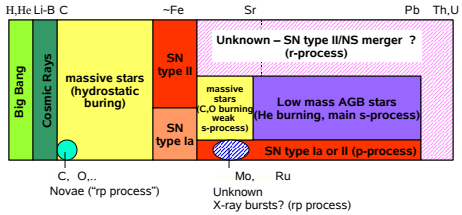
Instructor: Peter Hoeflich
614 Keen Bld. (850-644-5597)
E-mail: pah@astro.physics.fsu.edu
Office Hours: Tuesday 1-2pm
(but feel free to drop by at any time)

Time: MF 1:15pm-2:30pm
Location: HCB 309

PHZ4316/5315: Course Description

- Nuclear Processes in Astrophysics
- Origin and Creation of Elements
- Nuclear Properties of Elements
- Nuclear Physics as Tool in Astrophysics
- Astrophysical Methods
- For physics majors on a senior undergrade or graduate level

Where ? Or The Origin of the Elements



Possible type II SN (v-process) contribution to ….

Note: yellow-red all related to massive stars (>8-12 solar masses at ZAMS)