

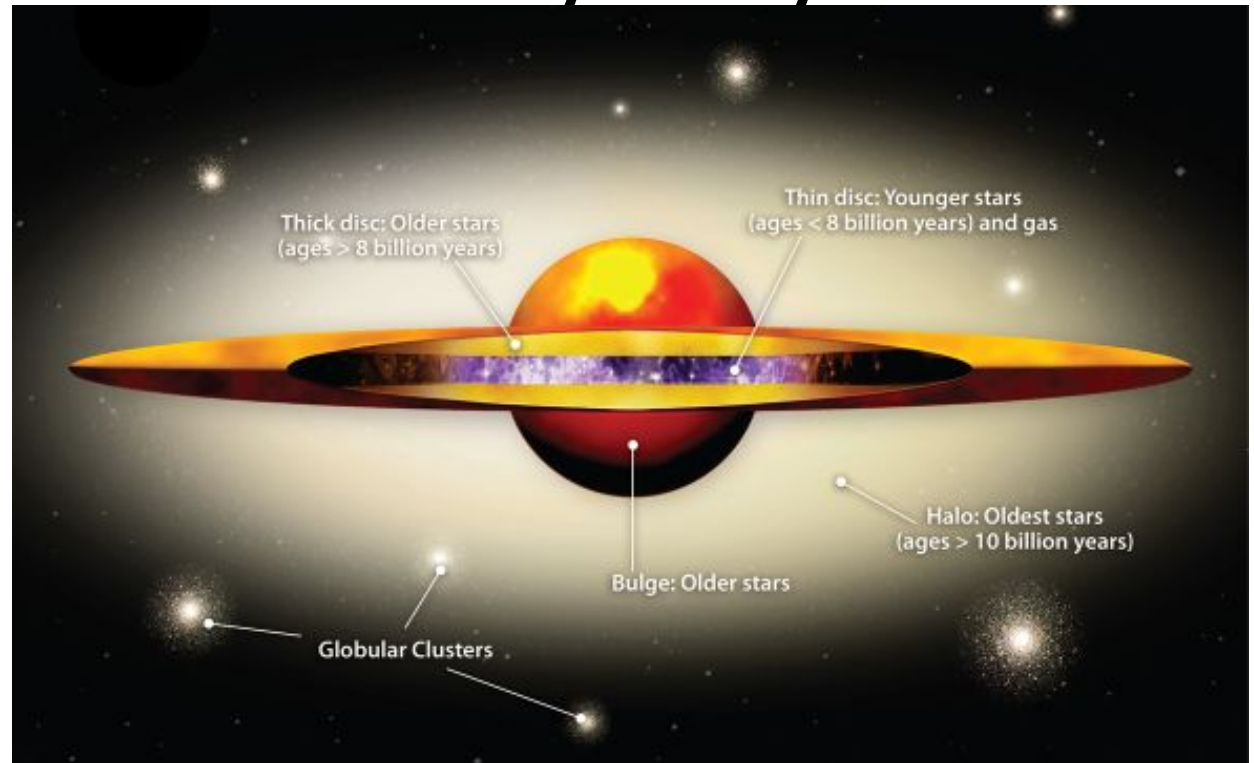
Introductory Astronomy

Week 7: Galaxies

Clip 3: Milky Way Components

Parts of the Milky Way

- **Thin Disk:** $6 \times 10^{10} M_{\odot}$
young ($< 8\text{Gy}$) stars
 $25 \times .35\text{kpc}$
- **Thick Disk:** $3 \times 10^9 M_{\odot}$
older ($10\text{-}11\text{Gy}$) stars
 $25 \times 1\text{kpc}$
- **Central Bulge:** $10^{10} M_{\odot}$ stars of all ages
 $5 \times 2\text{kpc}$
- **Halo:** $3 \times 10^9 M_{\odot}$
oldest
($11\text{-}13\text{Gy}$) stars*



Credits

- Milky Way Components: Robert Gendler, Amanda Smith, IoA, Cambridge U.
<http://members.nova.org/~sol/solcom/x-objects/cenbulge.htm>