

Research project Assignment 1

Steven Zhou-Wright
400B Galactic Astronomy and Cosmology

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5. Galaxy Merger Sequence of the Milky Way and M31: Baryonic Evolution

Research Question Choices (in order)

1. How do the bars in each galaxy evolve? What happens to the bars after the merger?
2. How does the material in the tidal tails and bridge evolve?

Other choices (in case mine are already taken)

- 6: Visualize the merger from the perspective of a sun-like star (in terms of location) in M31.
- 2: Evolution of M33's dark matter halo.