

# ASTR 400B Research Topic

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## **1 Galaxy Merger Sequence of MW and/or M31: Baryonic Matter Through Close Encounters**

Questions to be Answered:

- What is the evolution of stellar debris in tidal tails and bridges?
- How does the rotation curve of each galaxy evolve? (disk/Bulge)
- How does the stellar density profile of the disk evolve? (disk/bulge)