

Galaxy Name	Halo Mass($M_{\text{sun}} \times 10^{12}$)	Disk Mass($M_{\text{sun}} \times 10^{12}$)	Bulge Mass($M_{\text{sun}} \times 10^{12}$)	Total Mass($M_{\text{sun}} \times 10^{12}$)	f_{bar}
Milky Way	1.975	0.075	0.01	2.06	0.0412621
M31	1.921	0.12	0.019	2.06	0.0674757
M33	0.187	0.009	0	0.196	0.0459184

1. The total mass of MW and M31 are extremely similar and are both dominated by the dark matter halo mass
2. The stellar mass of M31 is higher than MW which leads me to believe that it would be more luminous than MW
3. MW and M31 vary only slightly in terms of dark matter mass which makes sense given that this mass quantity dominates the total mass the most
4. The baryon functions for each galaxy are only around 4%-6% which is a bit lower than the baryon function of the universe which is around 16%, this discrepancy can be explained by the idea that the universe has a much higher density of dark matter than our galaxy