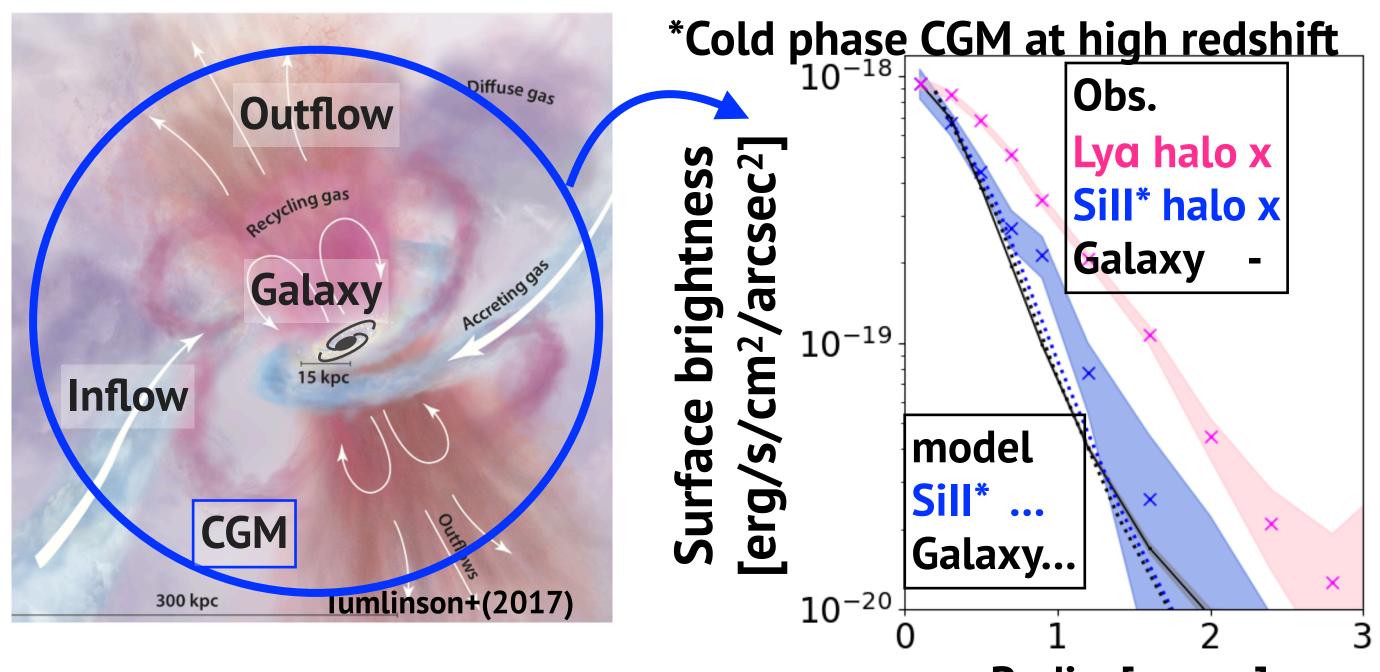
Research Interest: Galaxy formation and evolution

1. Observations of the multiphase circumgalactic medium (CGM) and baryon cycle



*Warm vs. Cold phase CGM for local young galaxies

- Ionized CGM traced by Ha halo (MUSE)
- Neutral CGM traced by HI21cm halo (MeerKAT etc)

Herenz & Kusakabe in prep. Kusakabe et al. in prep.

Radius[arcsec] (Kusakabe+2019, 2022, 2024)

2. Cosmic reionization 21 15 12 9.3 7.6 6.4 Age of the Universe unbiased parent sample 0.5 0.5 7 8 (Kusakabe+2020)

3. Star-forming activity of z=2 young galaxies

