

Discussion

Histories of Star-formation & mass assembly (mass budget) (WISH) 星形成と質量集積の歴史

- SFR and SMD history
 - Merger Milkyway+M31 -> Milkomeda
 - Central & satellite galaxy interactions
 - Gas consumption and star-formation
 - Stellar absorption with Mg2/Fe2
 - IMF: fundamental plane
 - DH SF/SM relation. HOD +structure formation?
 - Regulation of star-formation (SPICA,TMT) 銀河形成進化の動的過程
 - Quenching process (halo quenching, morphological quenching). Quenching->low sSFR. Gas
 - Merger effects. MS star-formation relative contribution
 - Inflow and Outflow (AGN/SN feedback; incl. co-evolution)
 - UV-LF faint & MF low-mass end
 - Cold stream exists? → Tomography (absorption lines)
 - Gas cooling
 - What determines SF main sequence ($dM/dt / M$)? FMZ relation?
 - Star-formation physics/SF main sequence?
 - Method: spatially resolved dynamics/
 - AGN luminosity/SFR and velocity (mass loading factor -> quenching?) gas.
 - HI gas amount
 - Environment/local density affecting Inflow
 - Chemical evolution/FMZ evolution? Abundance pattern.
 - Origin of hubble sequence (JWST) 銀河基本構造の獲得
 - Distribution and dynamics of DH (clustering/lensing), gas, and stars
 - disk and elliptical galaxy formation ()
 - Clumpy galaxy -> disk/elliptical method: IFS absorption
 - Fundamental plane/TF relation
- この他に系統誤差に関するセクション。
 - 構造形成は宇宙論班へ。
 - Galaxy vs DMH はこちらで。
 - AGN feedback はそれぞれ。