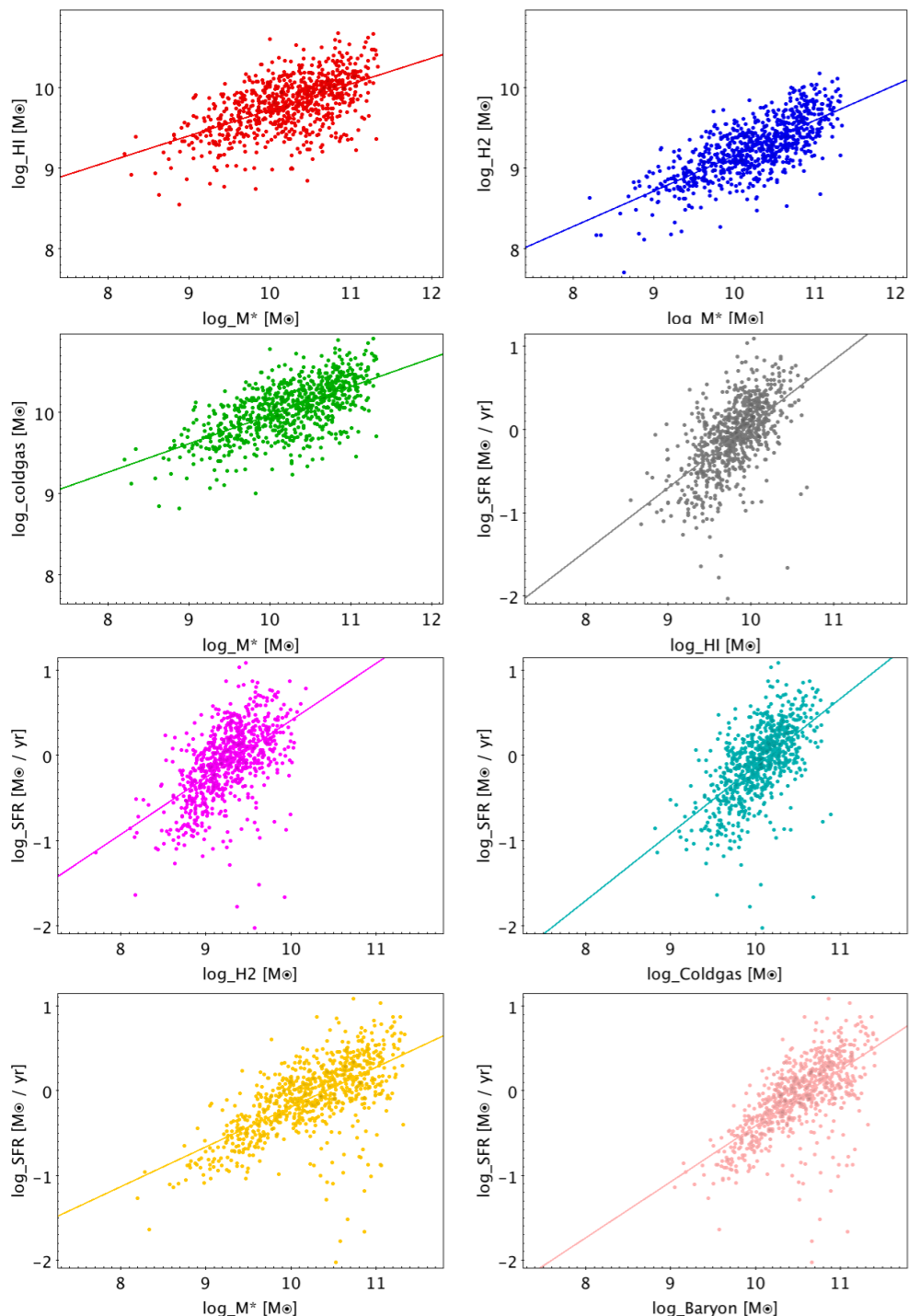


(P4) The Extension and Unification of the Scaling Laws in Galaxies

The laboratory of Galaxy Evolution, Nagoya University
Shuntaro A. YOSHIDA & Tsutomu T. TAKEUCHI



- * There has been a large influx of galaxy data that has shown some empirical scaling relations.
- * However, these relations do not have satisfactory physical explanations.
- * We have to discuss each relation one by one to find physical processes that govern the galaxy.



There are log-linear relations between HI, H₂, Cold gas mass and M*
HI, H₂, Cold gas mass, M*, Baryon mass and SFR.

← These figures are obtained from this research.