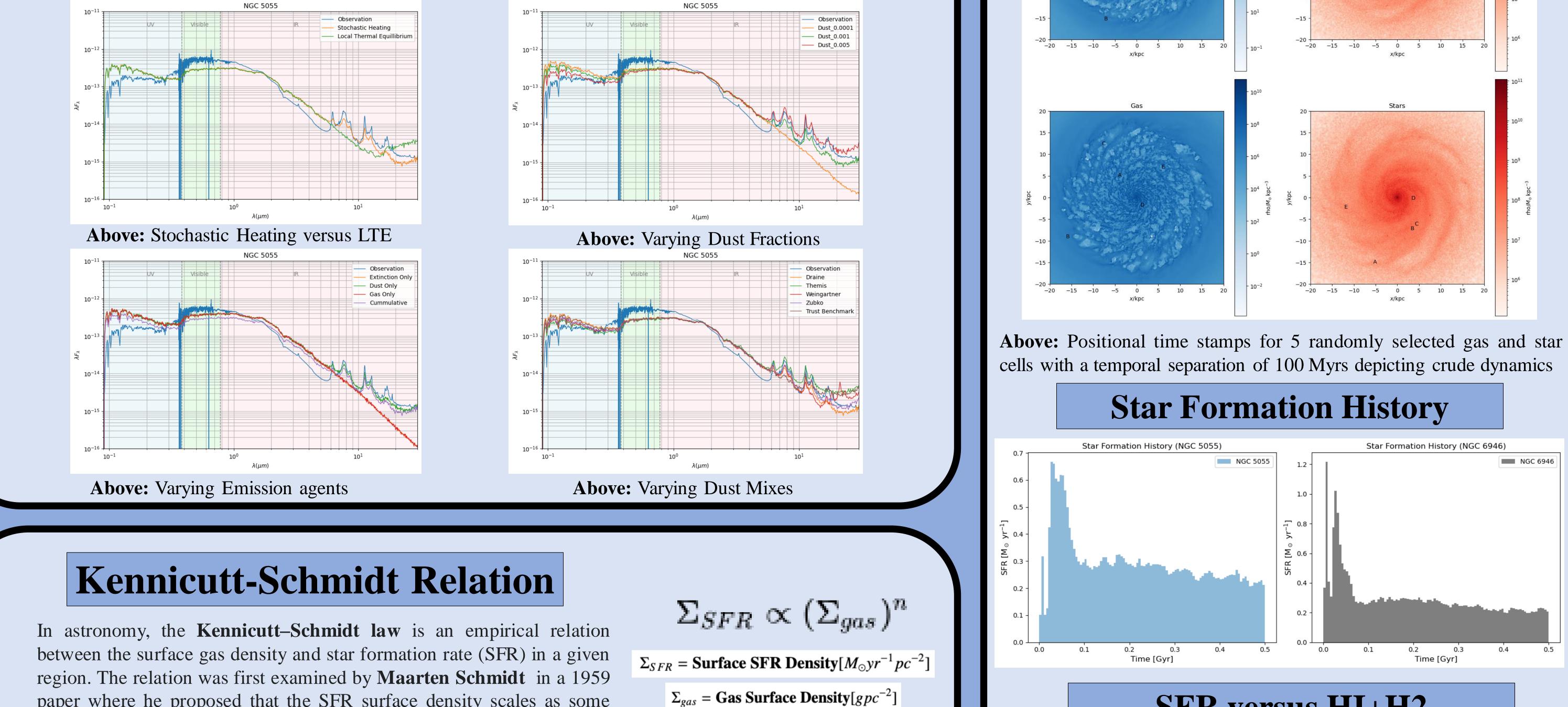


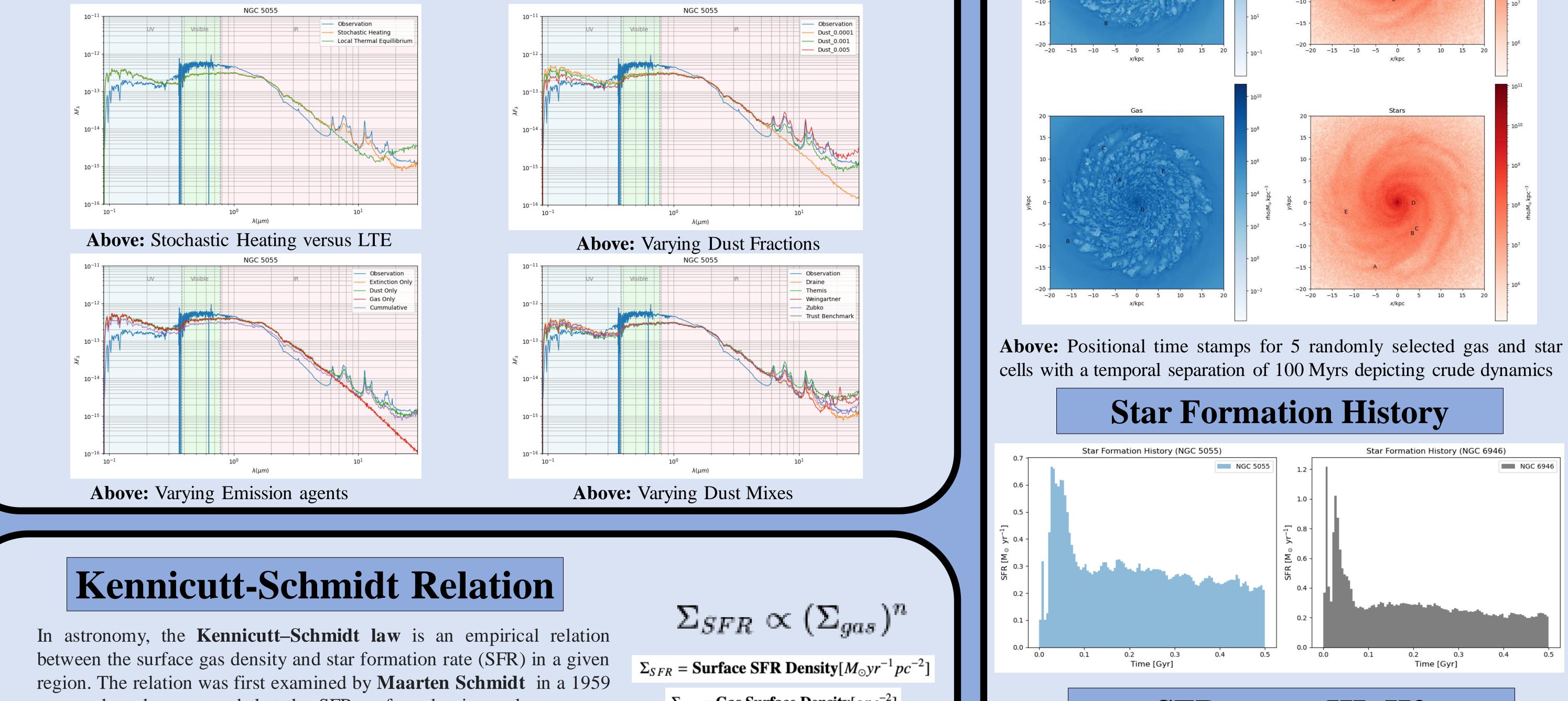
Through a Dusty Lens: Parallel Galaxy McMaster simulation and Analysis University

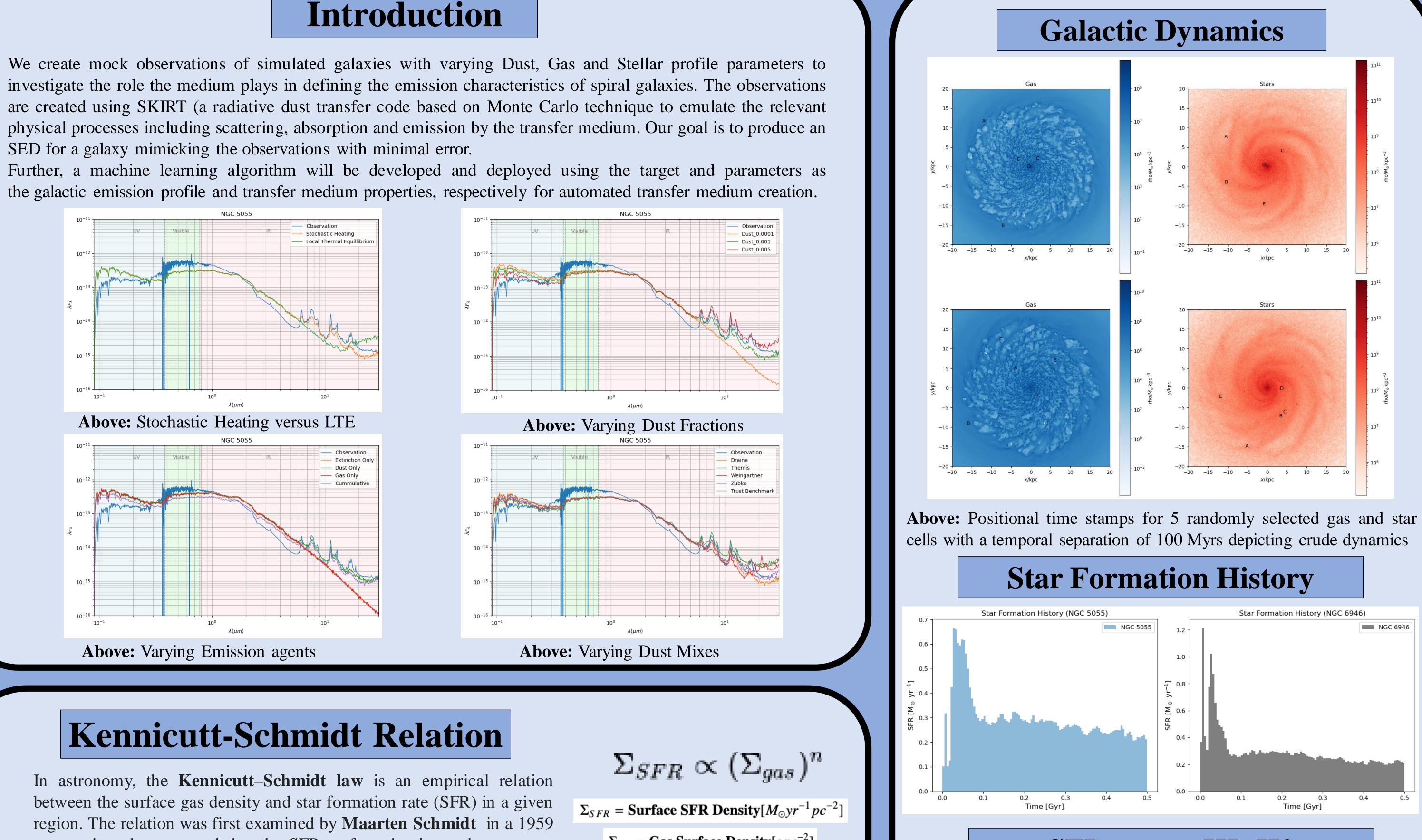
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Introduction

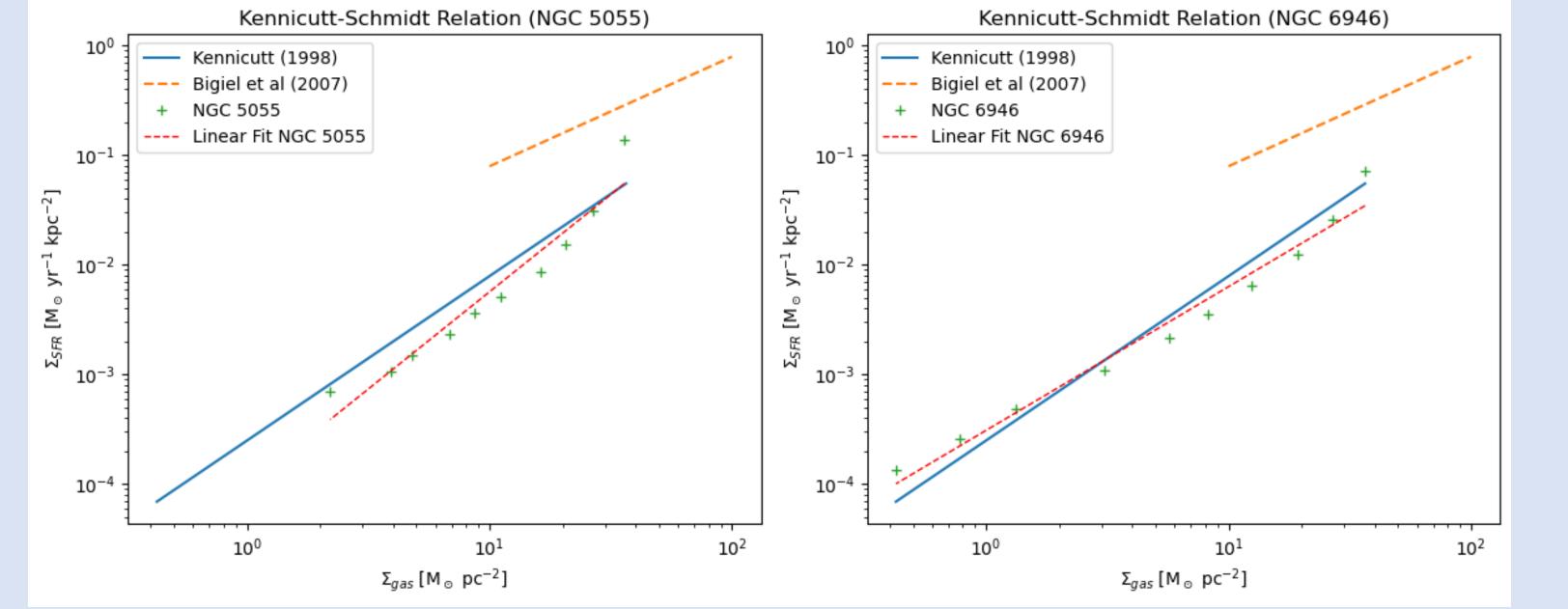




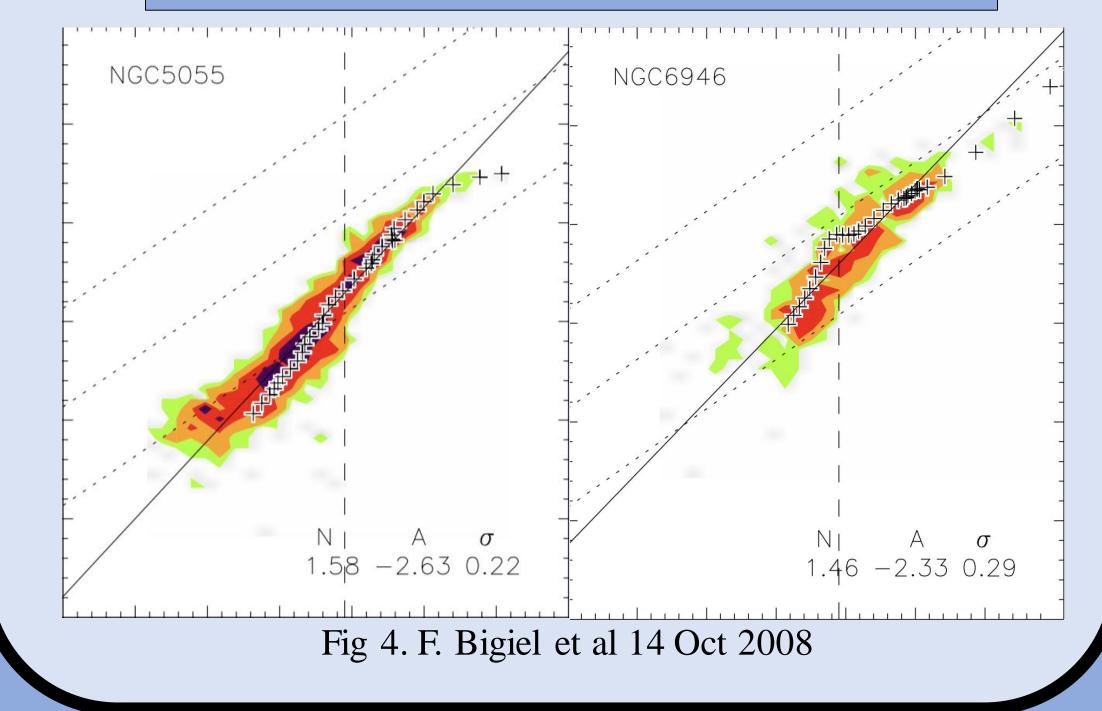


paper where he proposed that the SFR surface density scales as some

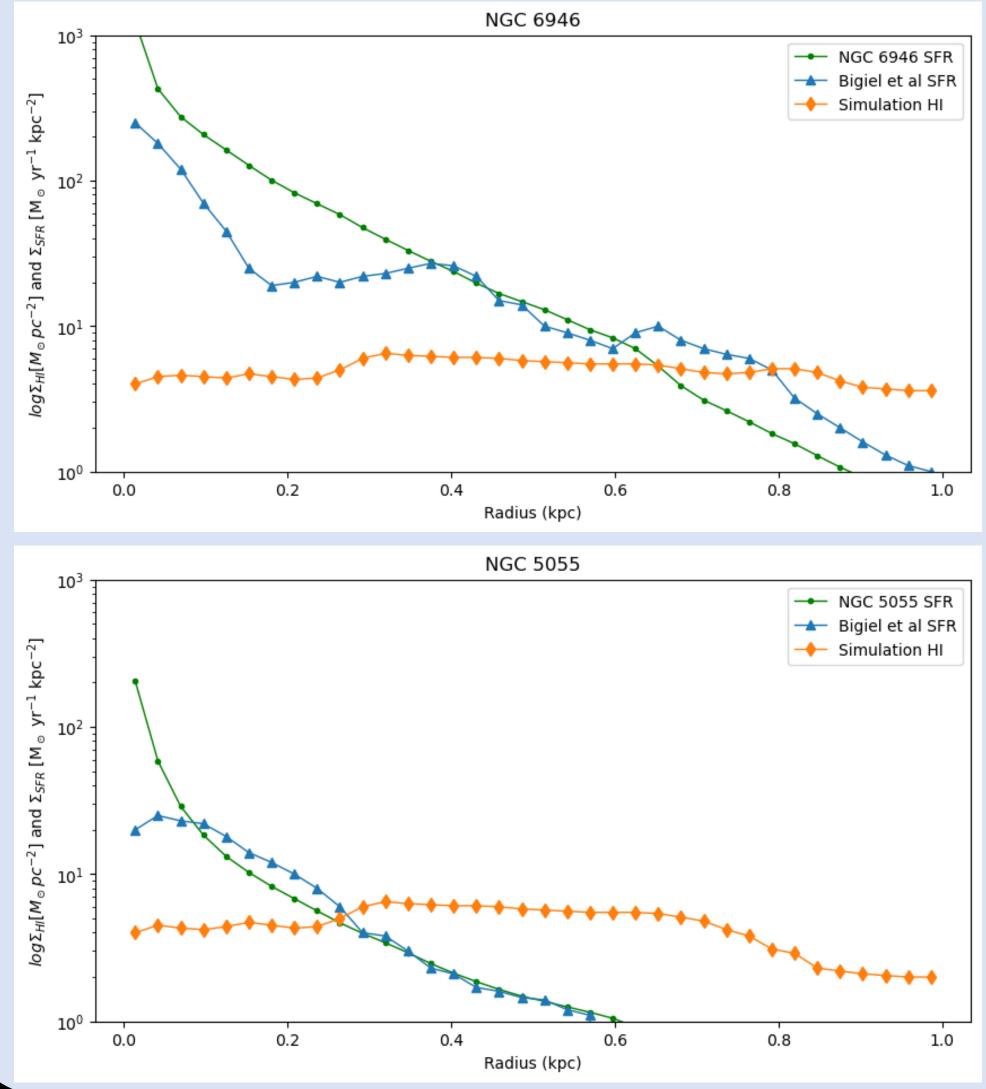








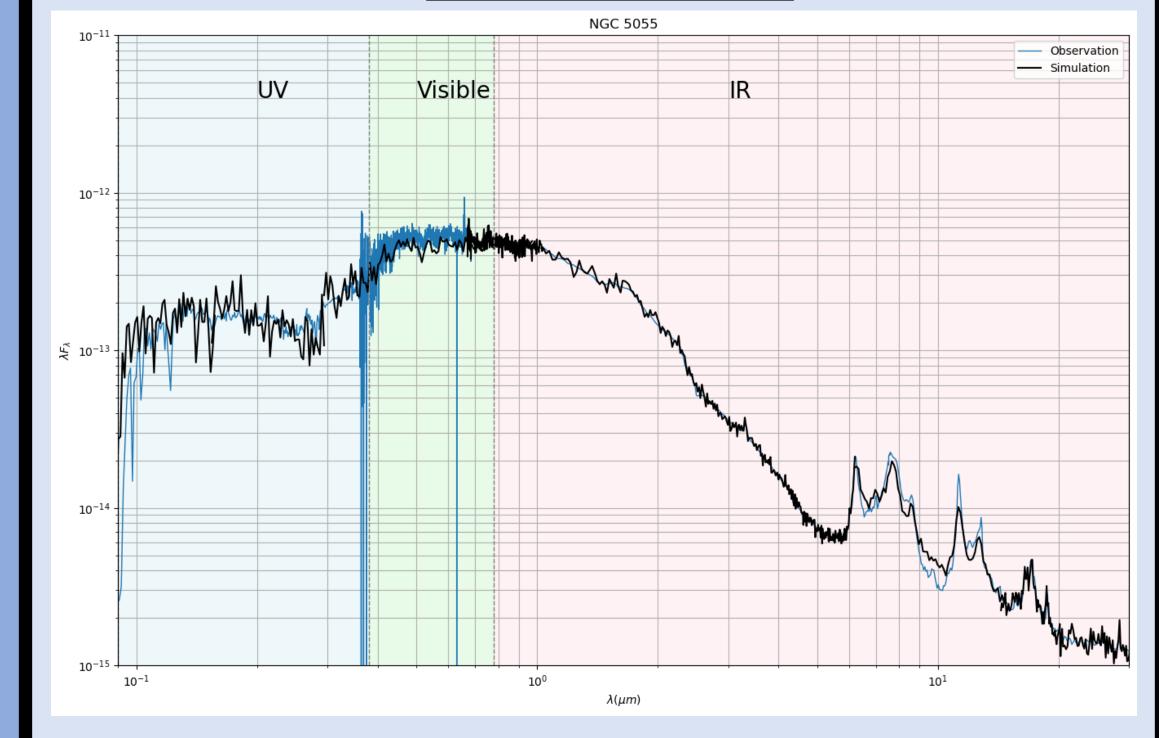
Hydrogen and the Star Formation Rate

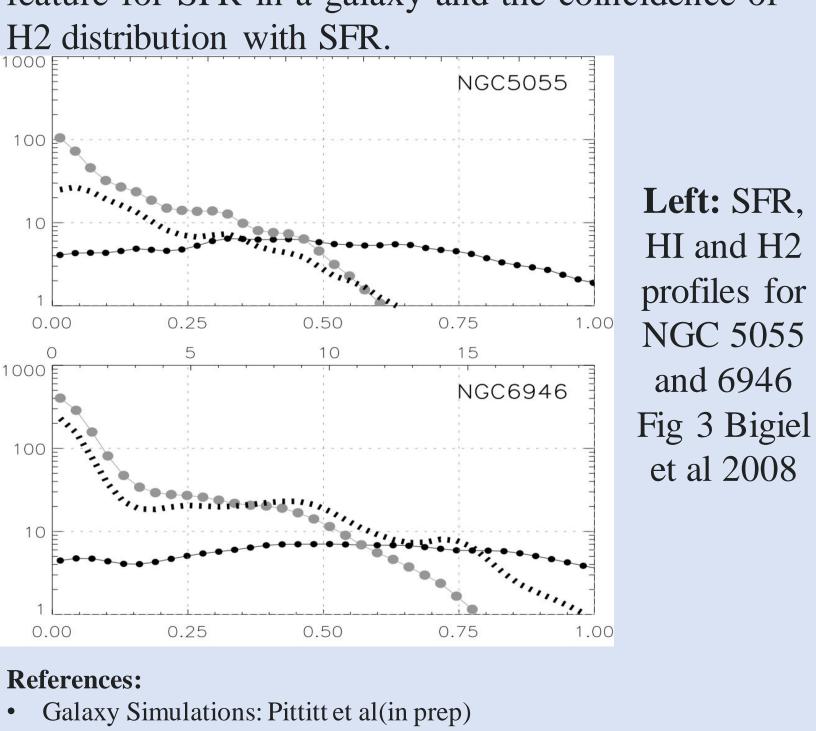


Left: Relation between the SFR as recorded in the simulation (green) (and as also observationally noted by Bigiel et al (blue)) and neutral Hydrogen I (orange).

Demonstrates the irrelevance of HI as a mapping feature for SFR in a galaxy and the coincidence of







• P Camps & M Baes: SKIRT 9 arXiv:2003.00721 • F. Bigiel *et al* 2008 *AJ* **136** 2846 Above: The figure shows the final SED of the transfer medium created by a careful custom mix of Themis, Draine Li and the Zubko Dust mixes, as compared to the observational SED of NGC 5055. The final plot was achieved by carefully mapping the effects of various transfer medium parameters on the emission in different electromagnetic domains and creating the custom mixture of the dusts to mimic the observed SED.