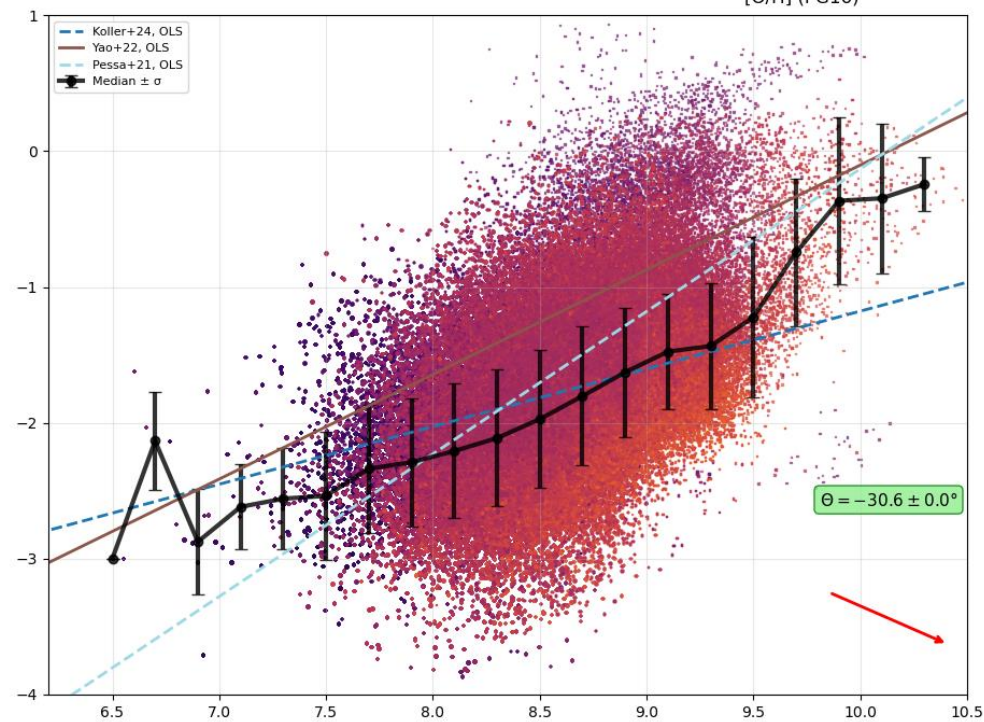
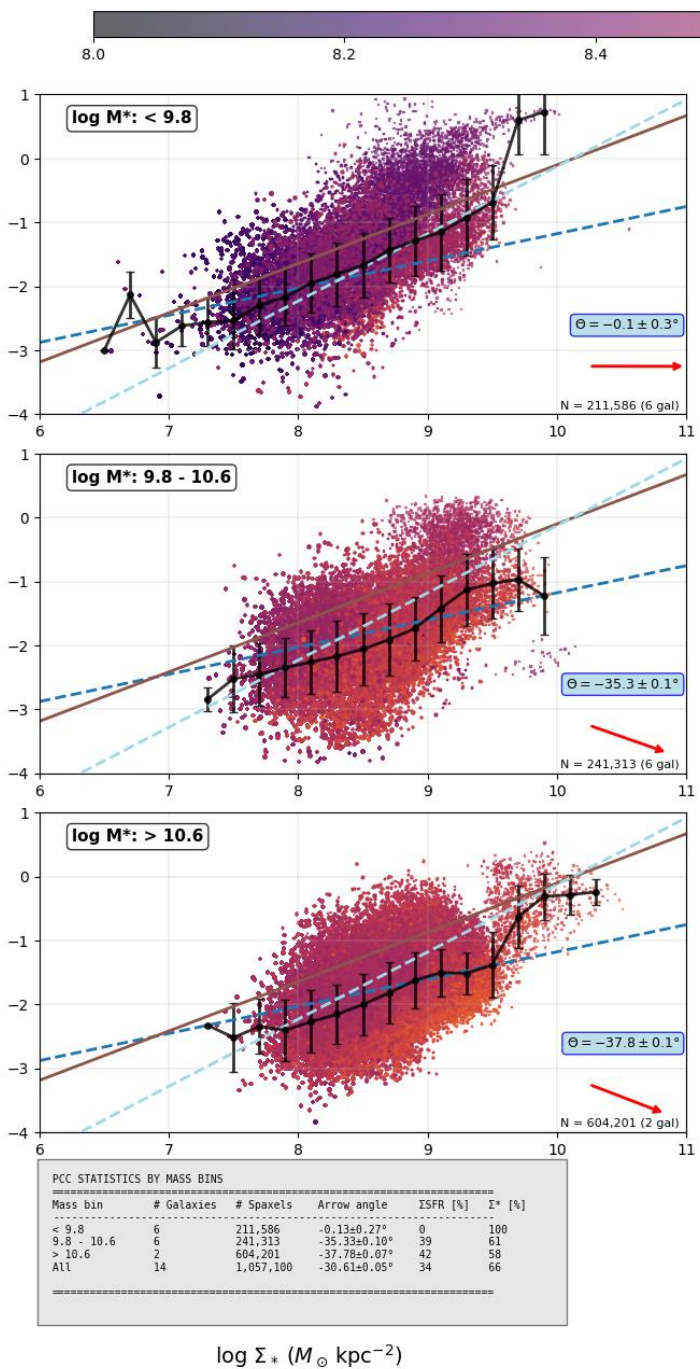


Mass bin	# Galaxies	Arrow angle	$\Sigma_{\text{SFR}}$ [%]	$12 + \log(\text{O}/\text{H})$ [%]
All	65	$-12.4 \pm 1.25^\circ$	14	86
$\log(M_*) < 9$	12	$-65.9 \pm 6.8^\circ$	73	27
$9.0 < \log(M_*) < 9.8$	16	$-38.6 \pm 2.2^\circ$	43	57
$9.8 < \log(M_*) < 10.6$	17	$-12 \pm 2.3^\circ$	13	87
$10.6 < \log(M_*) < 11.4$	20	$1.5 \pm 2.3^\circ$	2	98

Koller+2024

14 MAUVE galaxies: Resolved SFMS by Total Stellar Mass Bins colored by PG16 [O/H]



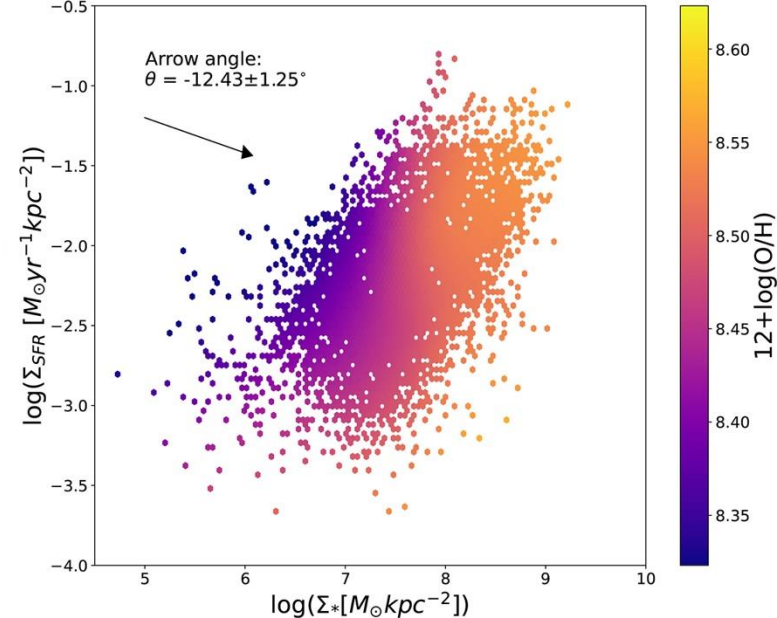
MEDIAN STATISTICS (0.2 dex bins) - PG16 rFMS by Total Stellar Mass bins				
TOTAL STELLAR MASS BINS:				
Mass Bin (log $M_{\odot}$ )	N_spx count	N_gal count	Median (zSFR) range	Std (zSFR) range
< 9.8	211586	6	-3.001-0.728	0.000-0.669
9.8 - 10.6	241313	6	-2.841 - 0.967	0.183-0.601
> 10.6	604201	2	-2.518 - 0.243	0.000-0.534

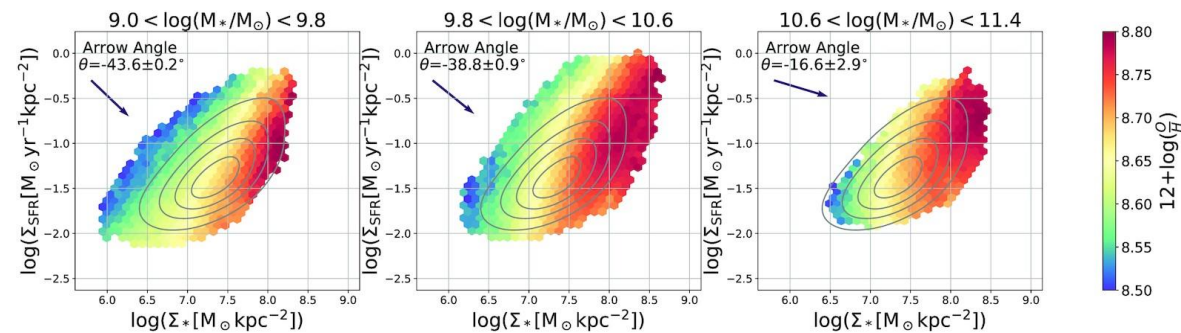
GALAXY MASS DISTRIBUTION:	
NGC4522	log $M^* = 9.30$ (< 9.8)
NGC4396	log $M^* = 9.40$ (< 9.8)
NGC4383	log $M^* = 9.52$ (< 9.8)
NGC4330	log $M^* = 9.54$ (< 9.8)
IC3392	log $M^* = 9.64$ (< 9.8)
NGC4694	log $M^* = 9.73$ (< 9.8)
NGC4604	log $M^* = 9.92$ (9.8 - 10.6)
NGC4268	log $M^* = 10.07$ (9.8 - 10.6)
NGC4419	log $M^* = 10.40$ (9.8 - 10.6)
NGC4293	log $M^* = 10.43$ (9.8 - 10.6)
NGC4457	log $M^* = 10.46$ (9.8 - 10.6)
NGC4698	log $M^* = 10.60$ (9.8 - 10.6)
NGC4192	log $M^* = 10.76$ (> 10.6)
NGC4501	log $M^* = 11.03$ (> 10.6)

```
COMBINED ANALYSIS:
Total PG16 spaxels: 1,057,100
Median ZSFR range: -3.001 to -0.243
Std range: 0.000 to 0.616
Mean of medians: -1.796  $\pm$  0.826
Mean std: 0.437  $\pm$  0.138
Overall SFMS slope: 0.677 dex/dex
SFMS intercept: -7.486

METALLICITY STATISTICS:
[O/H] range: 8.12 to 8.79
[O/H] median: 8.56  $\pm$  0.11
```

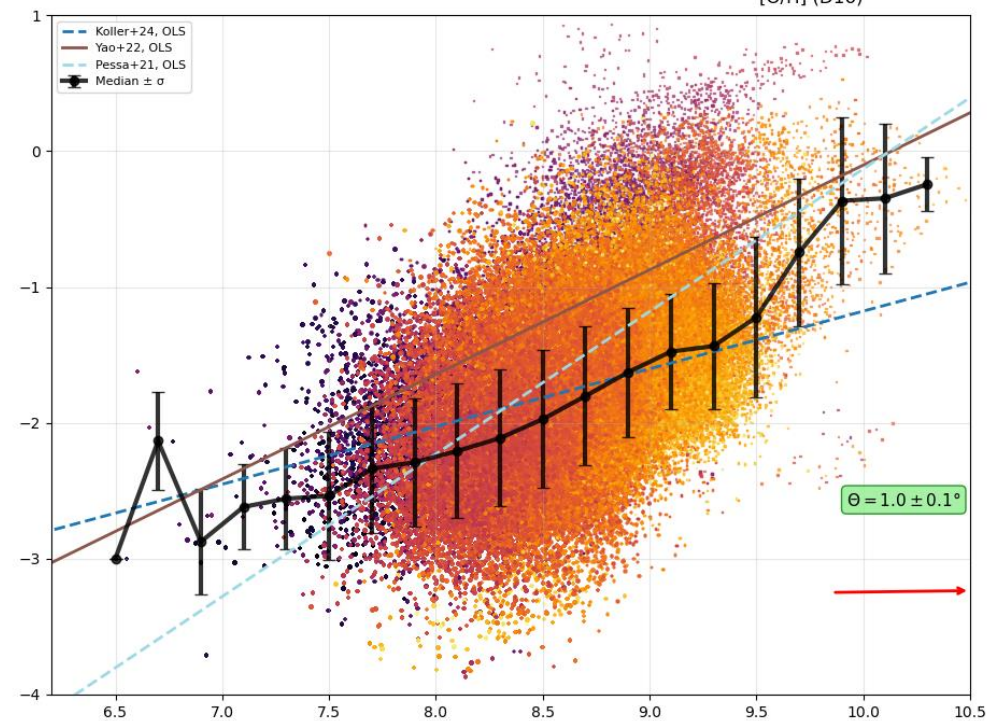
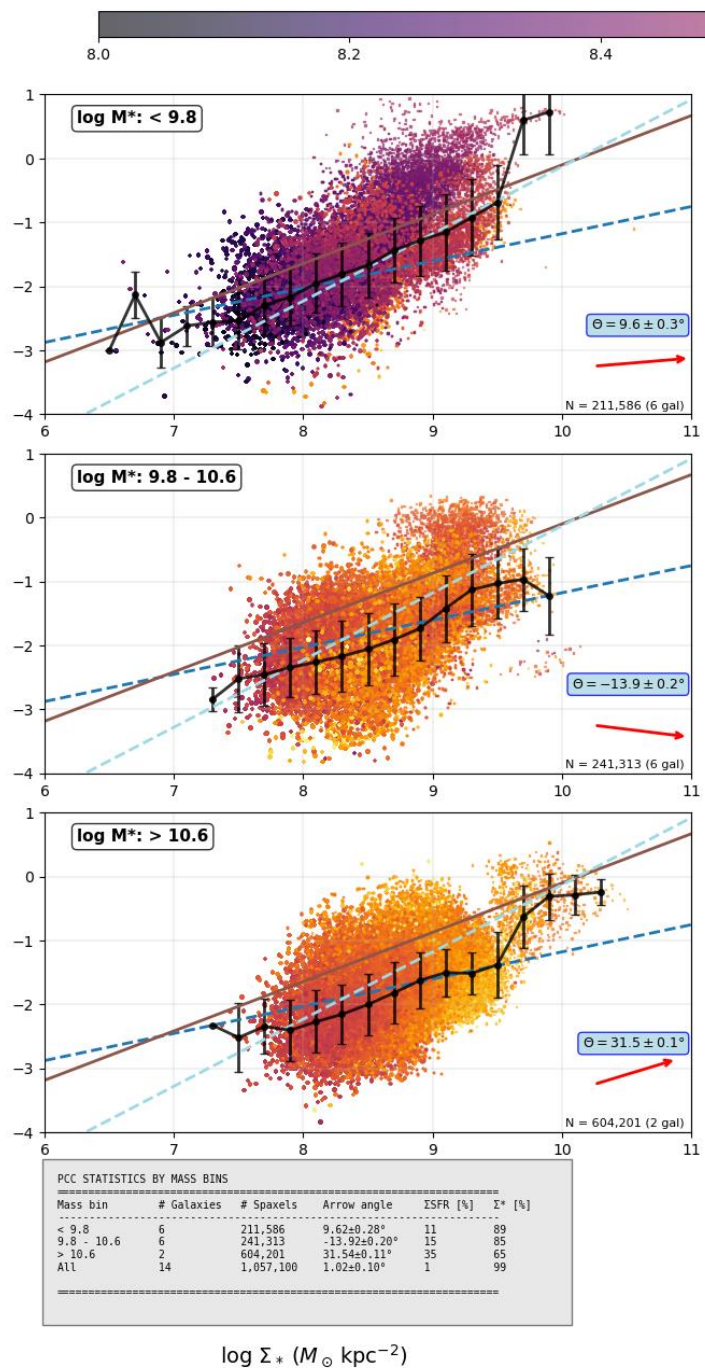


Mass bin	# Galaxies	Arrow angle	$\Sigma_{\text{SFR}}$ [%]	$12 + \log(\text{O}/\text{H})$ [%]
All	65	$-12.4 \pm 1.25^\circ$	14	86
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$9.8 < \log(M_*) < 10.6$	17	$-12 \pm 2.3^\circ$	13	87
$10.6 < \log(M_*) < 11.4$	20	$1.5 \pm 2.3^\circ$	2	98





14 MAUVE galaxies: Resolved SFMS by Total Stellar Mass Bins colored by D16 [O/H]



```

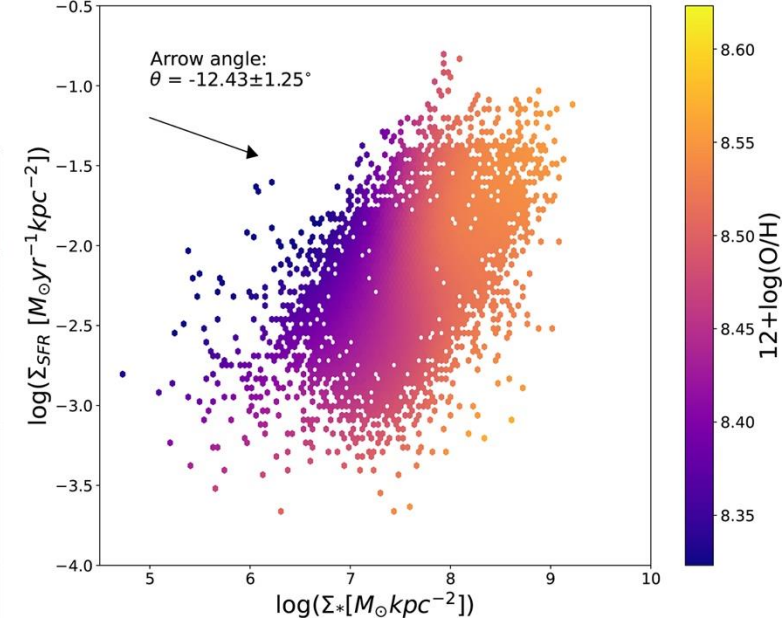
MEDIAN STATISTICS (0.2 dex bins) - D16 rSFRs by Total Stellar Mass bins
=====
TOTAL STELLAR MASS BINS:
Mass Bin   N_spx   N_gal   Median (ZSFR)   Std(ZSFR)
log(M*)    count   count   range            range
-----
< 9.8      211586   6       -3.001-0.728    0.000-0.669
9.8 - 10.6 241313   6       -2.841-0.967    0.183-0.601
> 10.6     604201   2       -2.518--0.243    0.000-0.534
=====

GALAXY MASS DISTRIBUTION:
NGC4522     log M* = 9.30 (< 9.8)
NGC4396     log M* = 9.40 (< 9.8)
NGC4383     log M* = 9.52 (< 9.8)
NGC4330     log M* = 9.54 (< 9.8)
IC3392      log M* = 9.64 (< 9.8)
NGC4694     log M* = 9.73 (< 9.8)
NGC4064     log M* = 9.92 (9.8 - 10.6)
NGC4298     log M* = 10.07 (9.8 - 10.6)
NGC4419     log M* = 10.40 (9.8 - 10.6)
NGC4293     log M* = 10.43 (9.8 - 10.6)
NGC4457     log M* = 10.46 (9.8 - 10.6)
NGC4698     log M* = 10.60 (9.8 - 10.6)
NGC4192     log M* = 10.76 (> 10.6)
NGC4501     log M* = 11.03 (> 10.6)
=====

COMBINED ANALYSIS:
Total D16 spaxels: 1,057,100
Median ZSFR range: -3.001 to -0.243
Std range: 0.000 to 0.616
Mean of medians: -1.796 ± 0.826
Mean std: 0.437 ± 0.138
Overall SFMS slope: 0.677 dex/dex
SFMS intercept: -7.486

METALLICITY STATISTICS:
[O/H] range: 7.95 to 9.23
[O/H] median: 8.72 ± 0.21
=====

```



Mass bin	# Galaxies	Arrow angle	$\Sigma_{\text{SFR}}$ [%]	$12 + \log(\text{O}/\text{H})$ [%]
All	65	$-12.4 \pm 1.25^\circ$	14	86
$\log(M_*) < 9$	12	$-65.9 \pm 6.8^\circ$	73	27
$9.0 < \log(M_*) < 9.8$	16	$-38.6 \pm 2.2^\circ$	43	57
$9.8 < \log(M_*) < 10.6$	17	$-12 \pm 2.3^\circ$	13	87
$10.6 < \log(M_*) < 11.4$	20	$1.5 \pm 2.3^\circ$	2	98

