## Mid-IR Luminosities and UV+Optical Star Formation Rates at *z* < 1.4

Samir Salim, Mark E. Dickinson (NOAO), AEGIS/FIDEL collaborations



Number

10

0 2

non-detections

6 8 10 12

log Lin

4

- $L_{IR}$  vs. SFR<sub>UV+opt</sub> correlation gets better (scatter in  $L_{IR}$ /SFR<sub>UV+opt</sub> decreases) when SFR<sub>UV+opt</sub> is averaged over longer timescales
- For blue-sequence galaxies, L<sub>IR</sub> best matches SFR<sub>UV+opt</sub> over 1-2 Gyr (first two panels)
- For green-valley and red galaxies, best timescale is >2 Gyr (age-averaged SFR - filled squares)

• 1-line-BPT AGNs in the EGS and the control-group non-AGNs (with matching mass and specific SFR) have the same  $L_{\rm IR}$  distribution

sample different - ULIRGs)