



MMT



HERMES

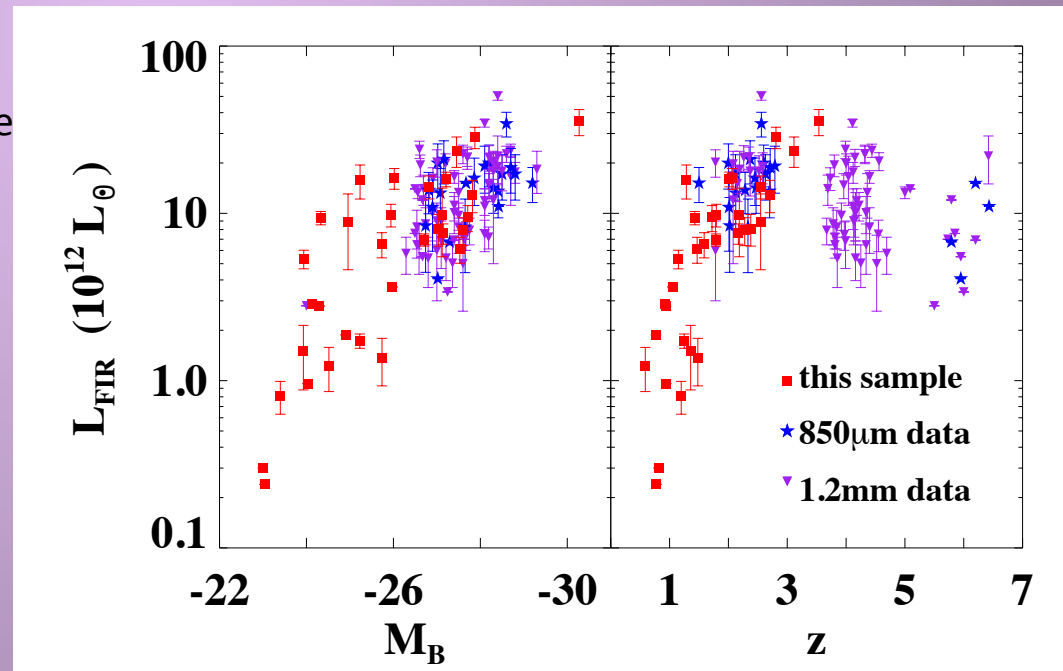
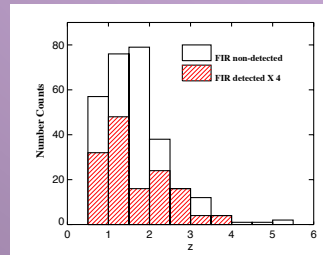
Poster 5:

SEDs for Dust-Rich Quasars at $z < 3$

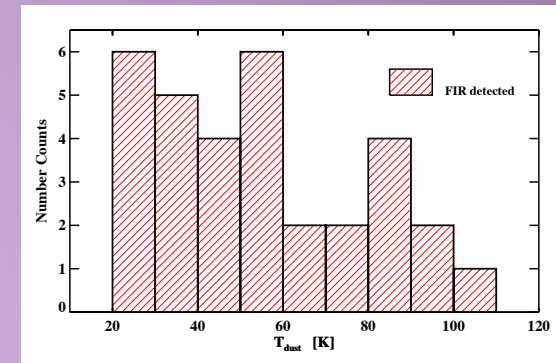
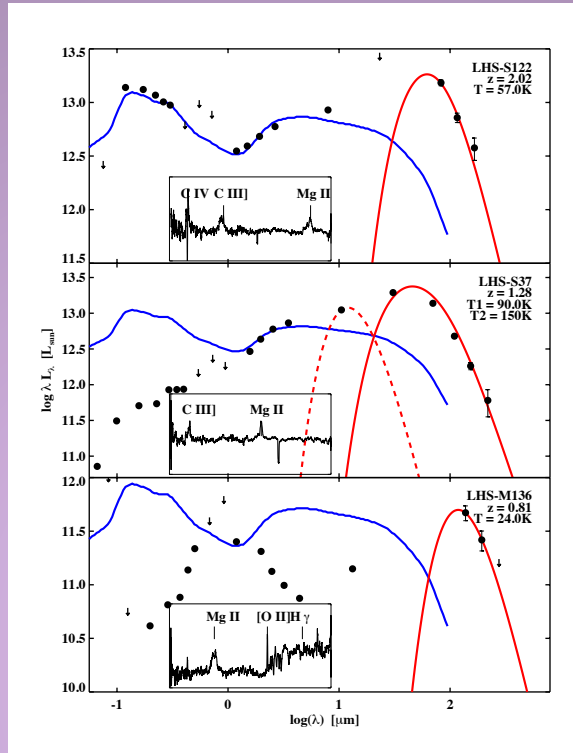
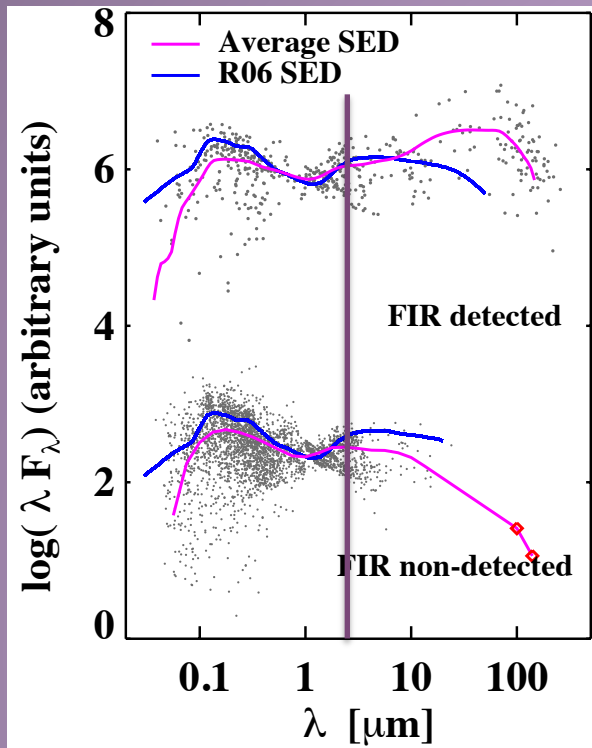
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- $F_{24\mu\text{m}} > 0.4 \text{ mJy}$, $r_{\text{AB}} < 22.5$
- 326 spectroscopic identified broad line quasars (MMT + SDSS)
- 36 SPIRE detected quasars
- $0.5 < z_{\text{spec}} < 3.6$
- Representing the low z and low luminosity end of the dust-rich quasar population



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- 35 out of 36 objects show FIR excess (0.25 – 1.6 dex @ 80 μm)
- Similarity at shorter wavelengths: $L_{bol} = 7 \times L_{5100A}$, underestimates L_{bol} for FIR detected quasars
- $T_{dust} : 20 \sim 100K$
- Large scatter at mid- L_{NIR} range

