

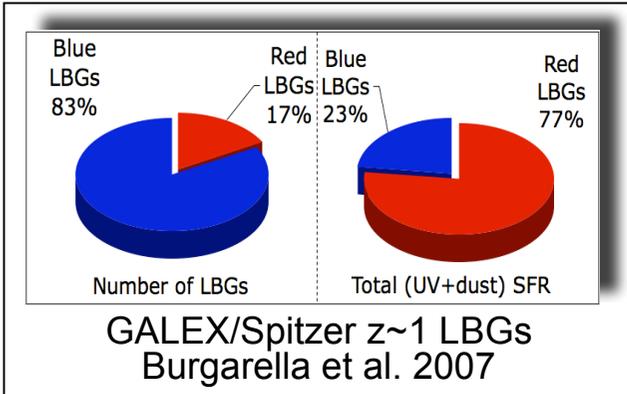
(UV+IR)-bright hi-z Galaxies & Evolution of L_{dust} / L_{UV} with z

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UV hi-z universe ? IR hi-z universe ?
Are there 2 disjoint hi-z universes ?



Q1: Populations of (UV+IR)-bright high z objects are observed with SED \sim EBL: are they common or rare?
Q2: Ratio L_{dust} / L_{UV} at $z = 1$ and evolution at $z > 1$?
Needs: PACS $T_{ext} \sim T_{GTO-GOODS-S}$ on 0.04deg^2 for Cosmic variance ($2 \times 0.04 \text{deg}^2$) & Statistics ($\sim 2 \times 50$ LBGs)

