

Properties of dust-obscured Spitzer-selected sources at $z > 6$ (Smaran Deshmukh)

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We investigate the properties of >130 Spitzer-selected galaxies at $z > 6$. We use the deepest Spitzer imaging in the COSMOS field from the SMUVS survey to constrain the stellar mass and dust-obscuration of these objects. We particularly study the number density of dusty sources at different high redshifts, in order to track their evolution after reionisation. We find that the number density of these objects drops sharply with increasing redshift. We compare our results with existing theoretical models and discuss their implications.

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