

Dusty universe viewed by AKARI far infrared detector

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I would like to present the results of cross-identification of AKARI far-infrared galaxies detected in the Deep Field-South (ADF-S) Survey with publicly available databases. In the ADF-S, more than 2000 far-infrared sources were detected at $90\mu\text{m}$, most of which are identified as nearby galaxies with cool dust. I will present results of fitting of spectral energy distributions (SEDs) of more than 300 of these galaxies with counterparts in NED and SIMBAD databases with the best photometry available. I will discuss the properties of these population of galaxies, never observed before in such numbers nor such details.