(Ultra)Luminous Infra-Red Galaxies in the AKARI deep fields

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I would like to present the results of the analysis of *Ultra* Luminous Galaxies (*U*LIRGs) found in the AKARI Deep Field-South and AKARI North Ecliptic Pole Surveys. AKARI, as a far-infrared satellite, allows for detailed study of the dust properties of the extragalactic sources. Both ULIRGs and LIRGs are characterized by very high IR luminosity ($L_{TIR}>10^{11}$ Lsun, and $L_{TIR}>10_{12}$ Lsun for LIRGs and ULIRGs, respectively), related to the dust properties. Far-infrared data in connection with optical and UV measurements enable us to fit Spectral Energy Distribution (SED) models and investigate physical properties of *U*LIRGs and normal galaxies detected by AKARI. I will discuss the properties of a ULIRGs sample found in both AKARI fields, and average SEDs reflecting global properties of analyzed galaxies.