

Digging up the Dirt on Galaxies with Herschel

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Herschel conducted many different surveys of galaxies, both near and far. Herschel's unique strength was that it could cover the peak of the dust thermal spectrum from nearby galaxies out to those at high redshifts. Opening a new observing window in the sub-millimetre, Herschel imaged cool dust in galaxies with higher angular resolution than previously possible and with unprecedented sensitivity. Some Herschel surveys were to study galaxies of certain types in great detail while others were large area, blank field surveys. Both types of survey are complimentary and have provided new insights into the nature, abundance and evolution of interstellar dust in galaxies across cosmic time. In this talk I will review the main lessons learned from Herschel about dust in galaxies.