

Prospects from Herschel-PACS

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The unprecedented sensitivity and spatial resolution of Herschel-PACS at wavelengths between 75 and 175micron will provide the next big step in far-infrared extragalactic blank field surveys and targeted studies. Surveys with PACS are expected to resolve the bulk of the cosmic infrared background and determine the nature of its constituent sources, study the evolution of galaxies over a wide range of redshifts and environments, and provide the crucial far-infrared measurements lacking for a full understanding of intermediate and high redshift galaxy populations identified at other wavelengths. Examples will be given illustrating these new opportunities.