

## **Dust Science with SPICA/MCS**

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The Mid-Infrared Camera and Spectrometers (MCS) is one of the Focal-Plane Instruments proposed for the SPICA mission. MCS covers an important part of the core spectral range of SPICA and, complementarily with SAFARI (SpicA FAR-infrared Instrument), can carry out crucial observations for a number of key science cases to revolutionize our understanding of the lifecycle of dust in the universe. In this presentation, the latest design specification and the expected performance of the SPICA/MCS are introduced. Also some of the key science cases of the MCS are discussed.