Determination of the surface concentrations of methane on Mars with MOMA.

Harald Steininger

Max Planck Institute for solar system research, Katlenburg-Lindau, Germany, (steininger@mps.mpg.de)

• gas chromatograph / mass spectrometer
• laser desorption / mass spectrometer

• search for organic molecules up to a mass of several thousand massunits
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- ExoMars is an opportunity to measure methane on ground

- Implementation of a methane measurement into the hardware is under investigation

- The implementation of new hardware into the instrument is expensive and adds some complexity to the instrument and this will only be done if the scientific results from a positive Mars based measurement are fundamental.