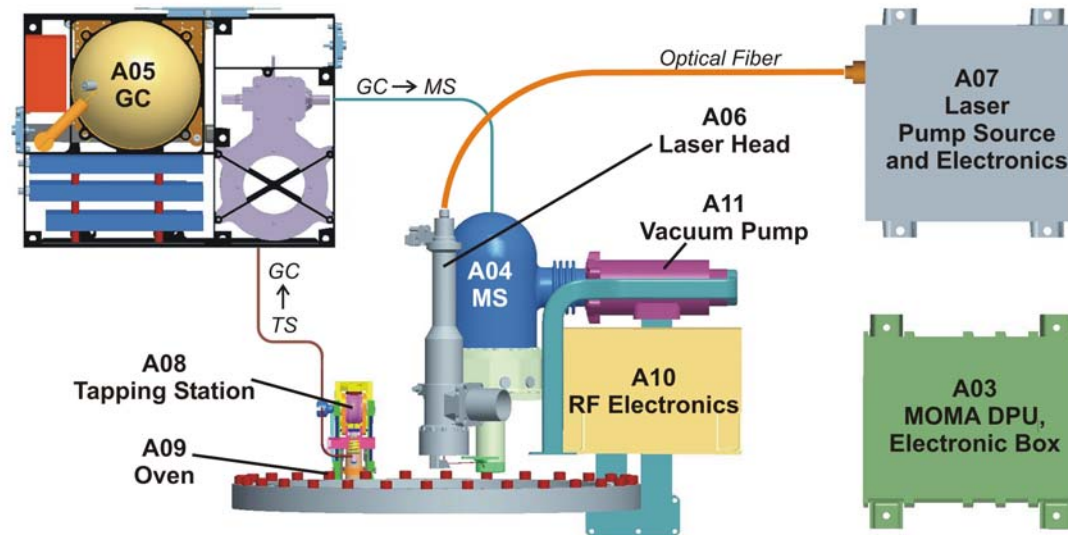


Determination of the surface concentrations of methane on Mars with MOMA.

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

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)



- ExoMars is a 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.