

## Spectroscopic Characterization of Interstellar Ice Analogues

B. Müller, B. M. Giuliano, P. Caselli

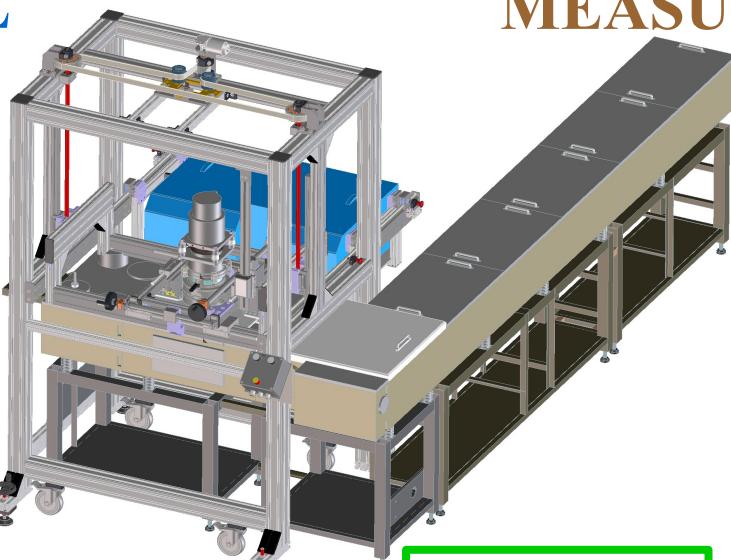
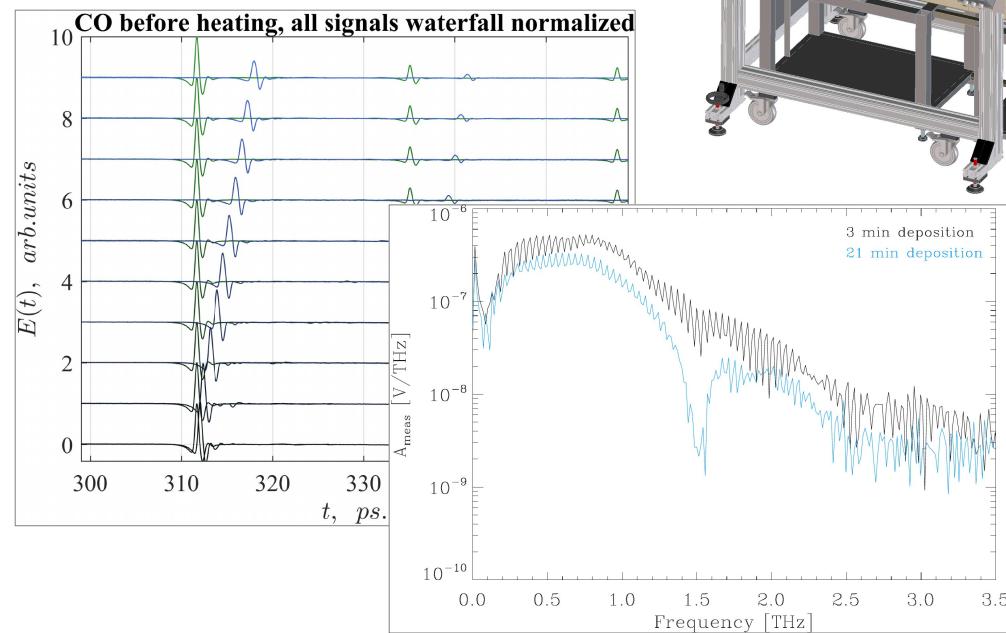
### MEASURING OPTICAL CONSTANTS

The THz Time Domain Spectrometer:

**Broadband (0.05 – 4 THz), 75 dB**

dynamic range

**Resolution  $\geq 2$  GHz**

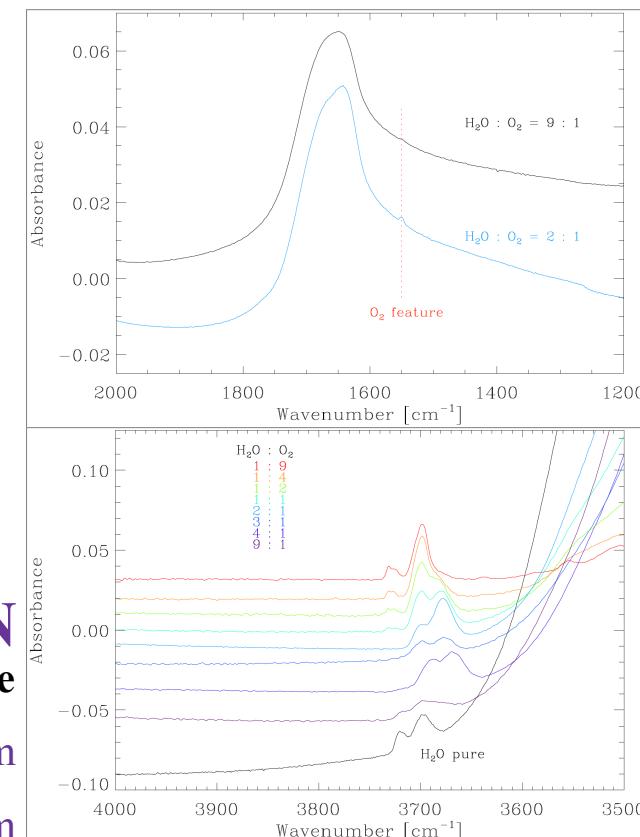


### MEASURING ICE FEATURES

Fourier Transform Infrared (FTIR) Spectrometer:

**Full IR coverage from FIR to NIR**

**Ice experiment: 2  $\text{cm}^{-1}$  resolution**



**POSTER # 180**

Email:  
[bmueller@mpe.mpg.de](mailto:bmueller@mpe.mpg.de)

**IRRADIATION**  
Xenon Light Source

**Simulation of stellar spectrum: UV 250-385 nm, VIS 385-740 nm, IR 750-1050 nm**

**Optical filters (up to 8) to narrow bandpass to 10 nm**