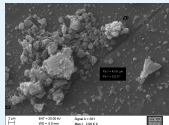
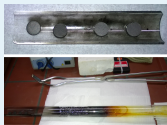


# CARBONACEOUS DUST ANALOGUES

## DUST ANALOGUES

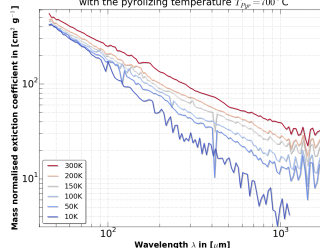
- Pyrolysed micro-crystalline cellulose
- Pyrolysing temperatures  $T_{\text{Pyr}} \in [400^\circ\text{C}, 1000^\circ\text{C}]$



## FIRST RESULTS

### Mass normalised Extinction

Mass normalised extinction of pyrolysed cellulose with the pyrolysing temperature  $T_{\text{Pyr}} = 700^\circ\text{C}$



## THz TIME-DOMAIN SPECTROSCOPY

- InGaAs-Auston-switches are used as emitting and receiving antenna
- Induced accelerated charges radiating electromagnetic pulse

