

# Attempt to catch the C/O transition in dust formation in cold plasma experiments

nanocosmos

airap  
astrophysique & planétologie

Laplace

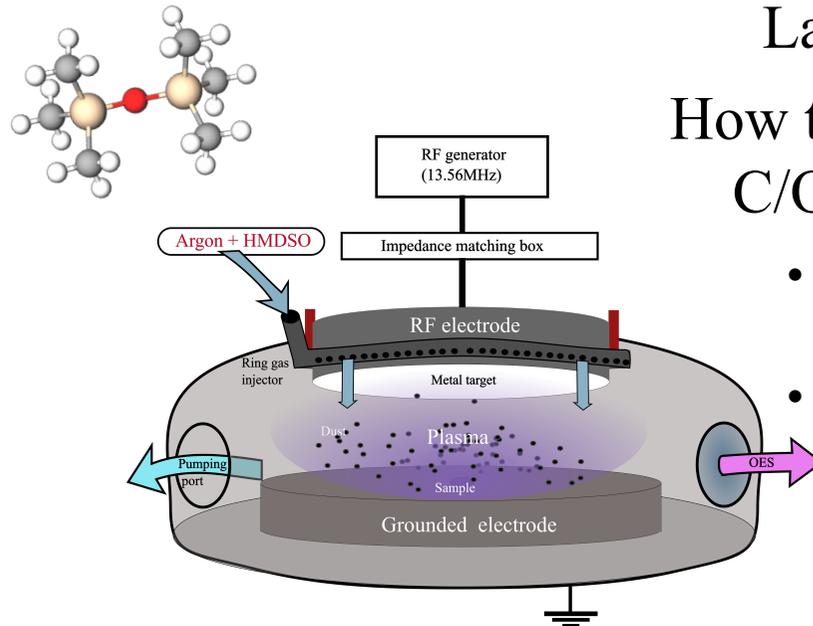
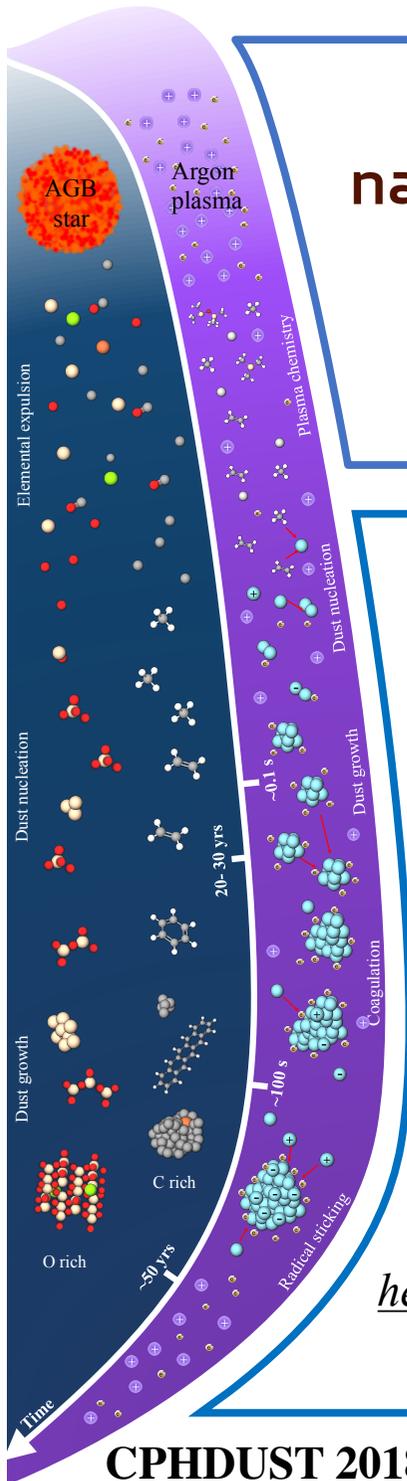
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*RF asymmetric plasma fed with argon and pulsed hexamethyldisiloxane. Possibility to add metal atoms and O<sub>2</sub>.*

## Laboratory Astrophysics:

### How to investigate the role of the C/O ratio in dust formation?

- Plasma dust formation with Si, O, C and H elements
- Multiscale analysis of the composition

