

Forward-scattered light in transmission measurements of (exo)planetary atmospheres

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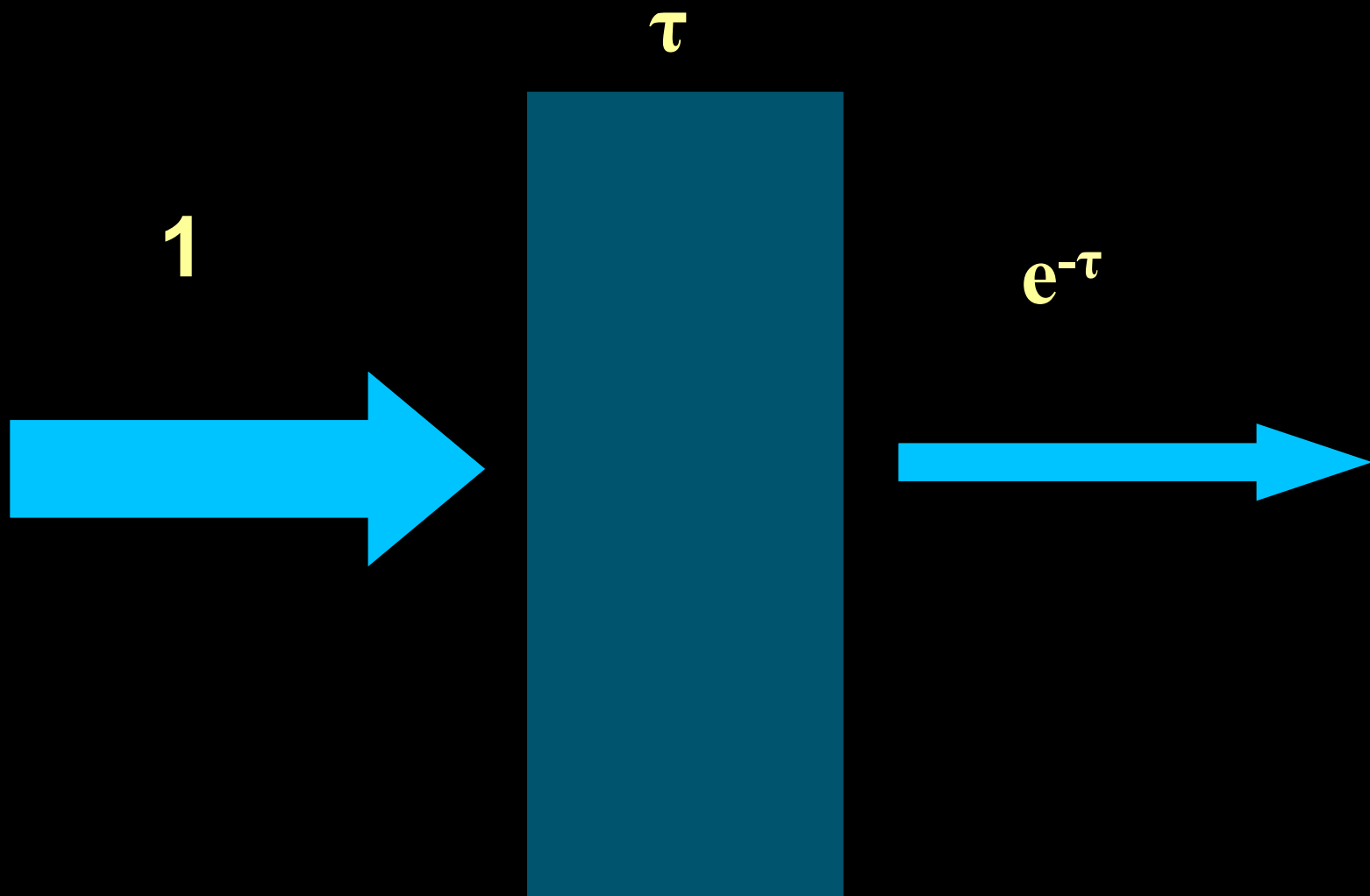


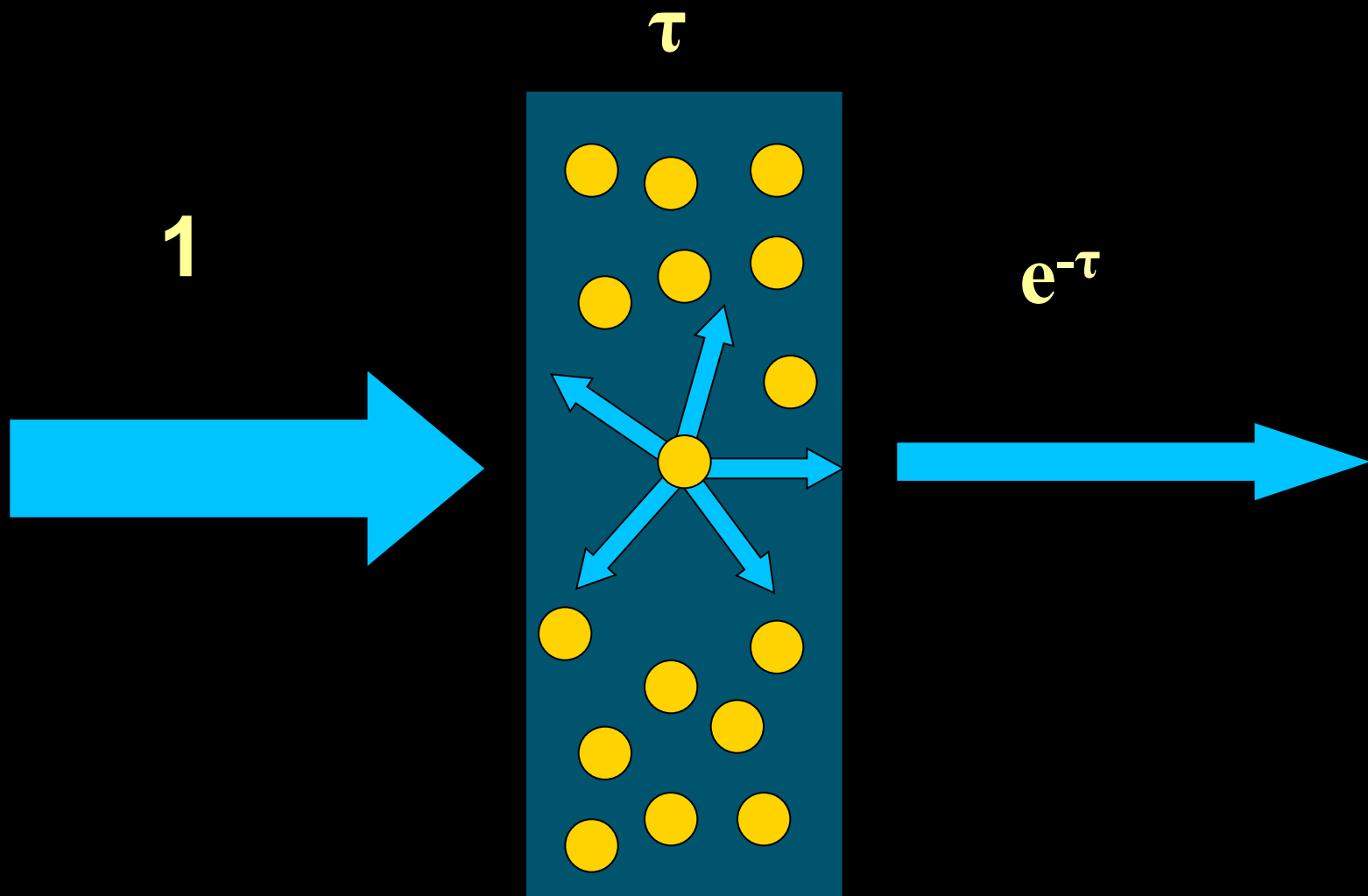
Netherlands Institute for Space Research

Transmission measurements

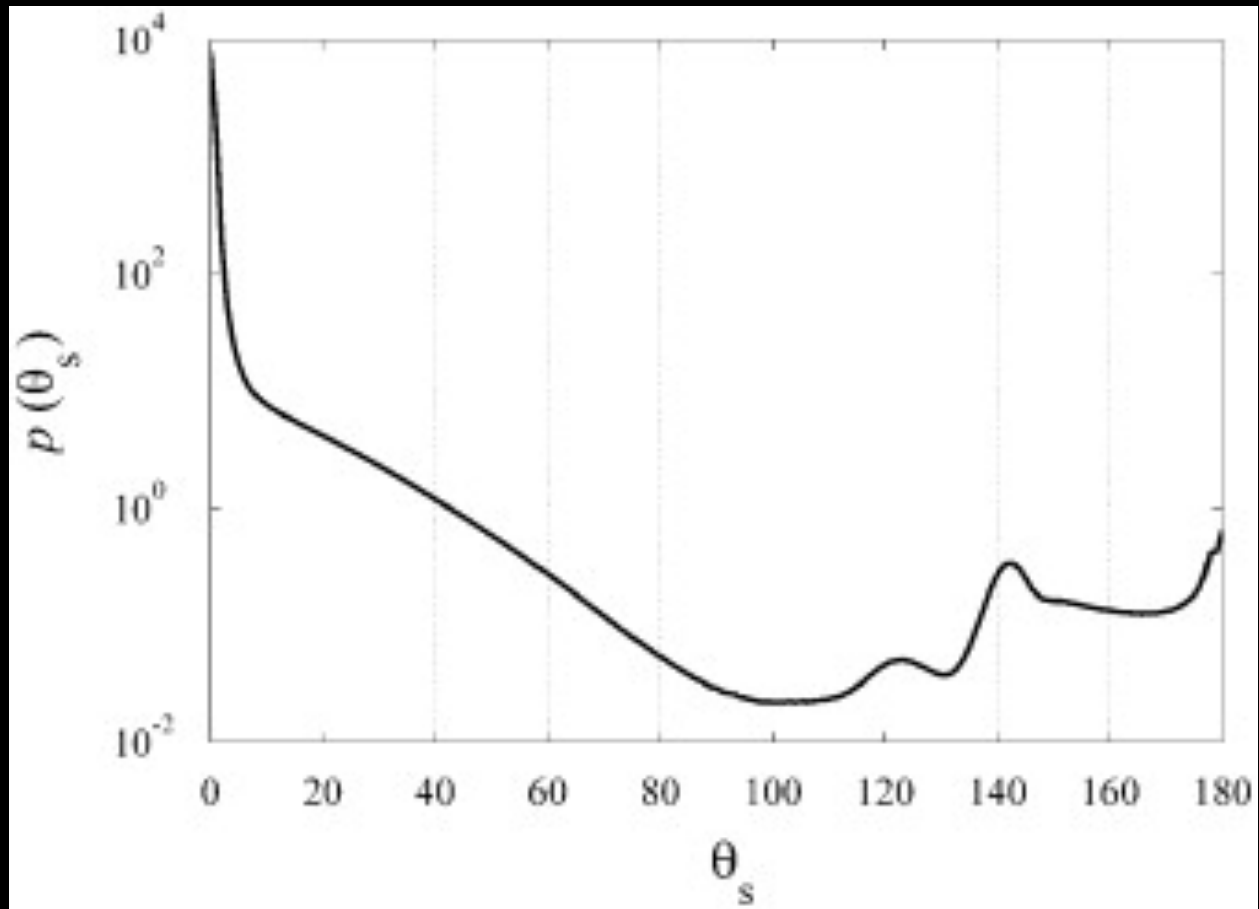
To observer



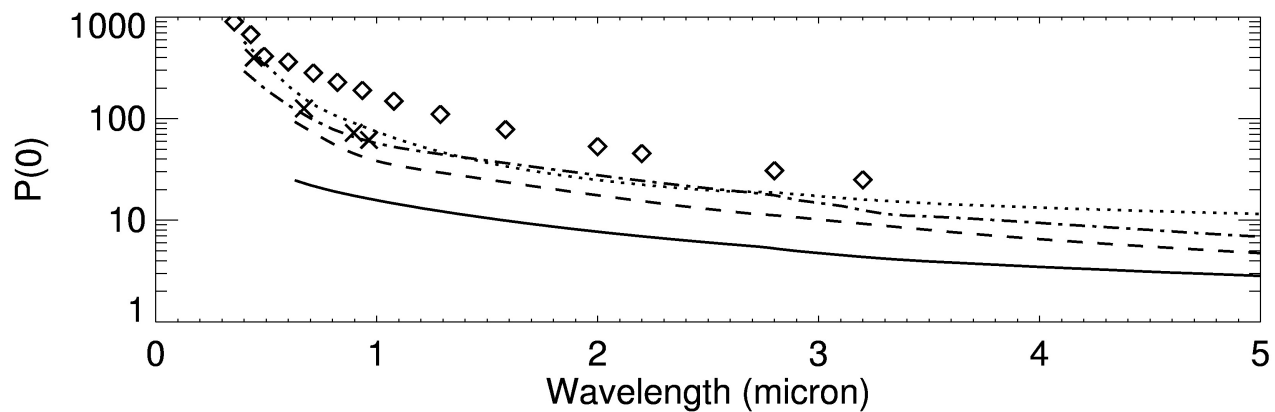
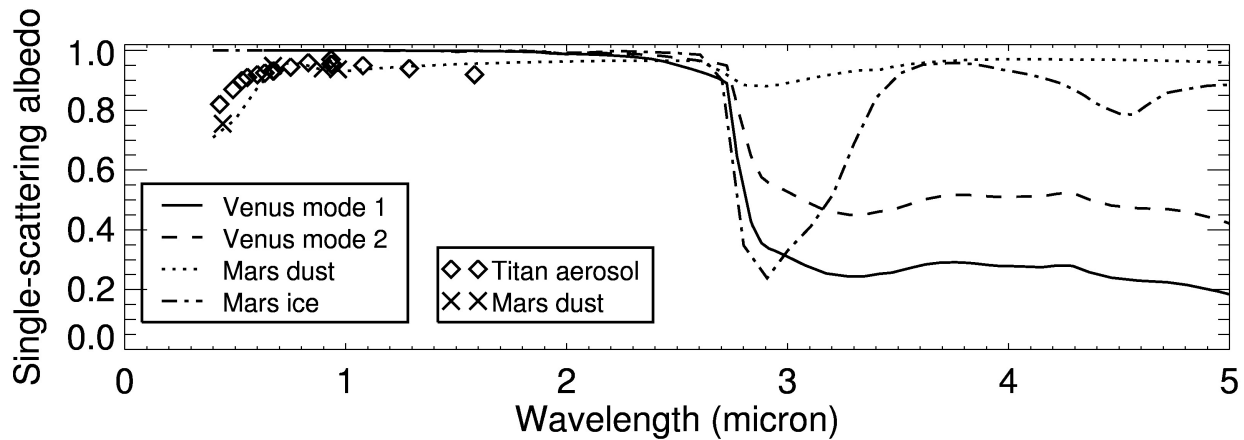




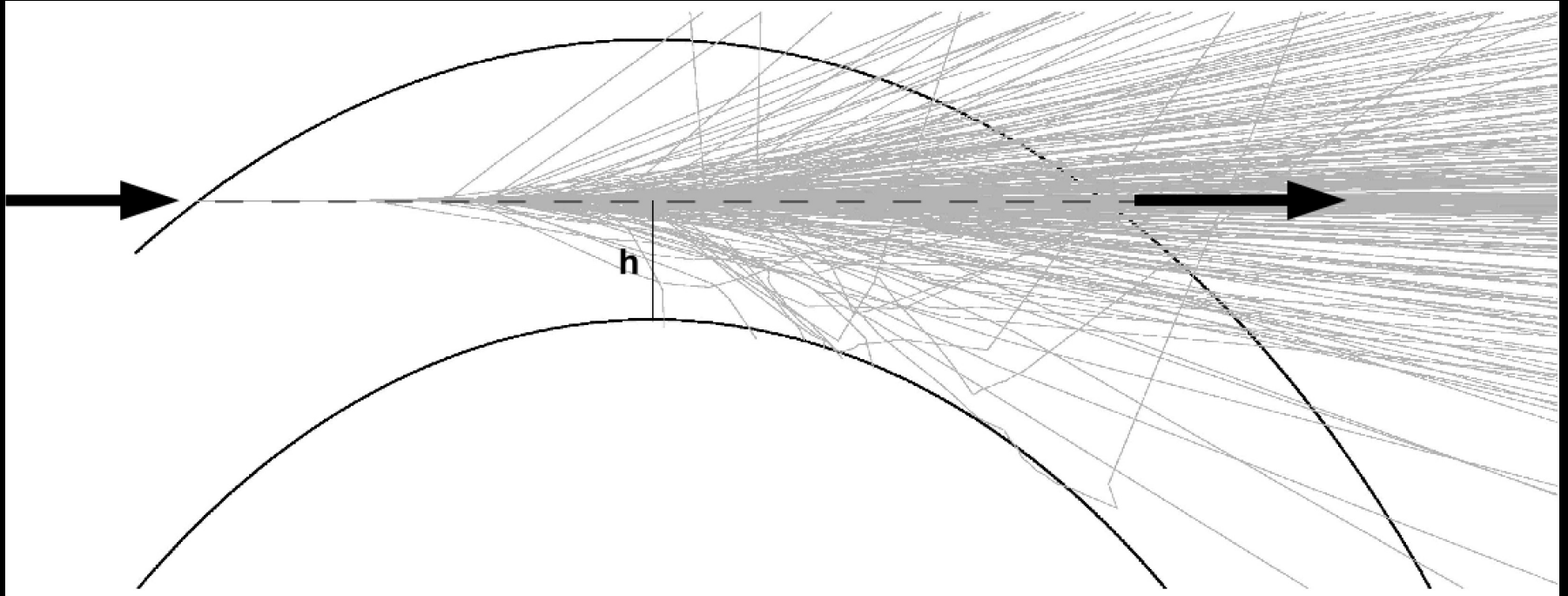
Phase function



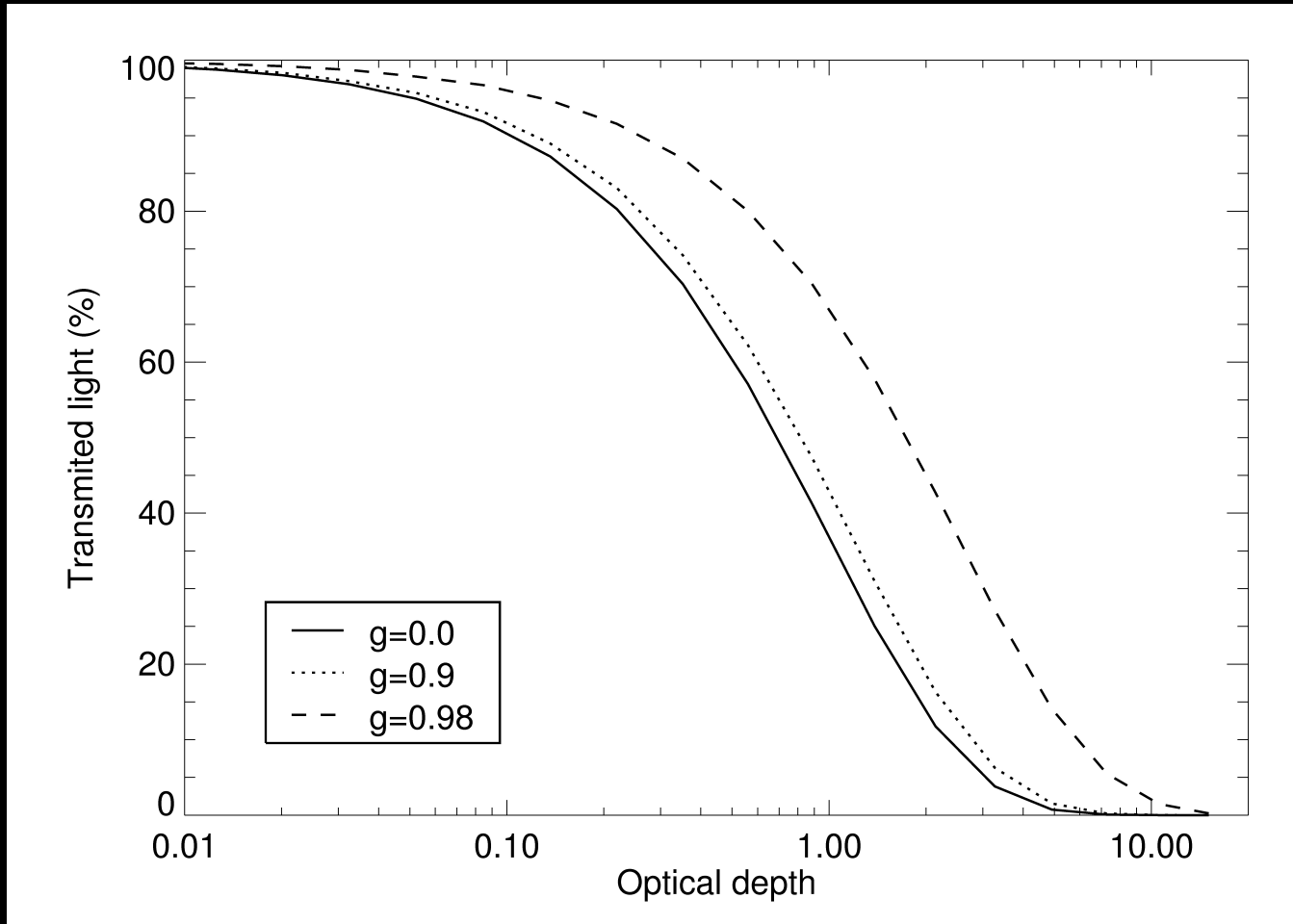
Solar system particles



Monte Carlo model



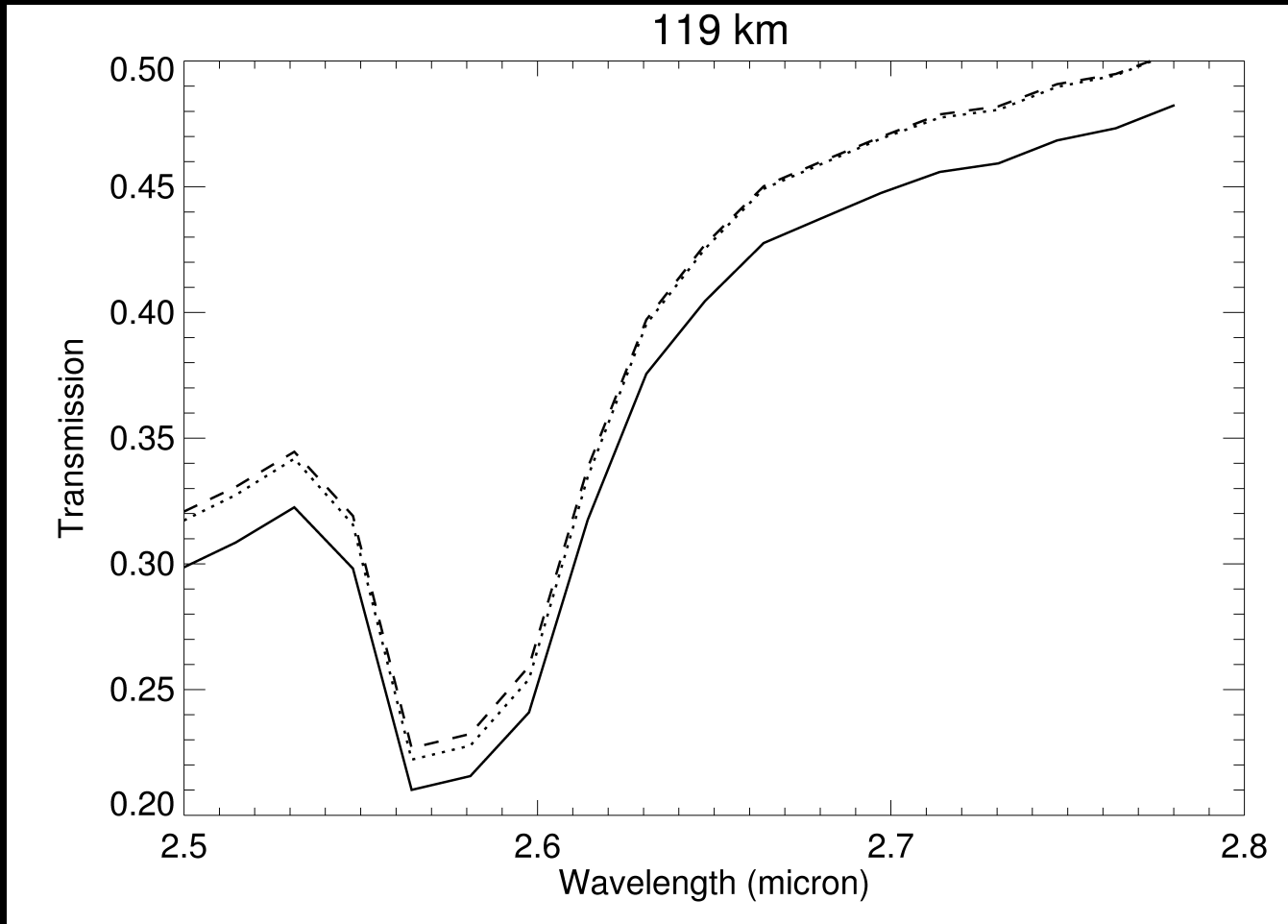
Transmission



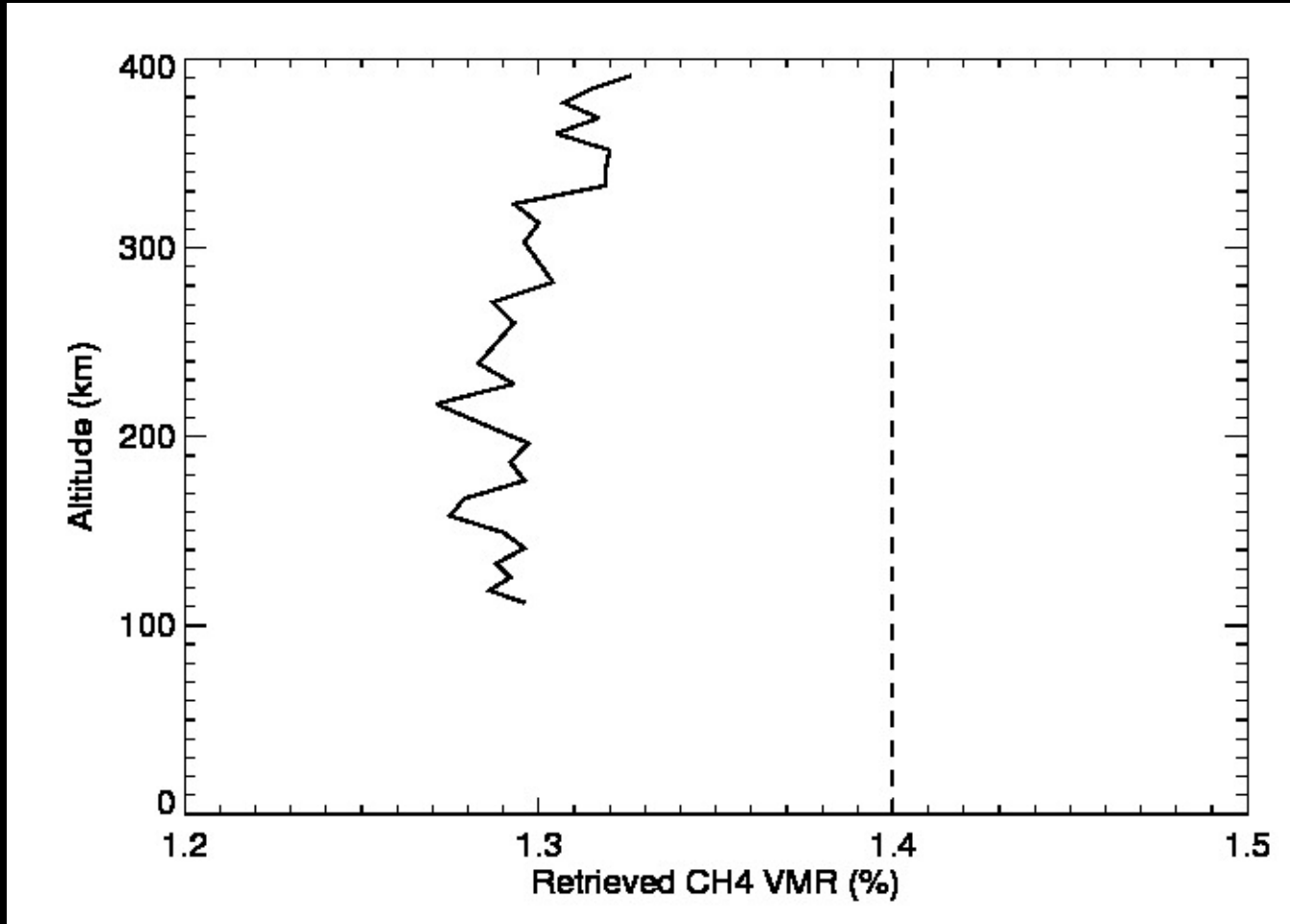
Titan solar occultation



Spectrum with/without scattering



Retrieved gas abundance



Moral of the story:

Beware of scattering,

also for transmission measurements