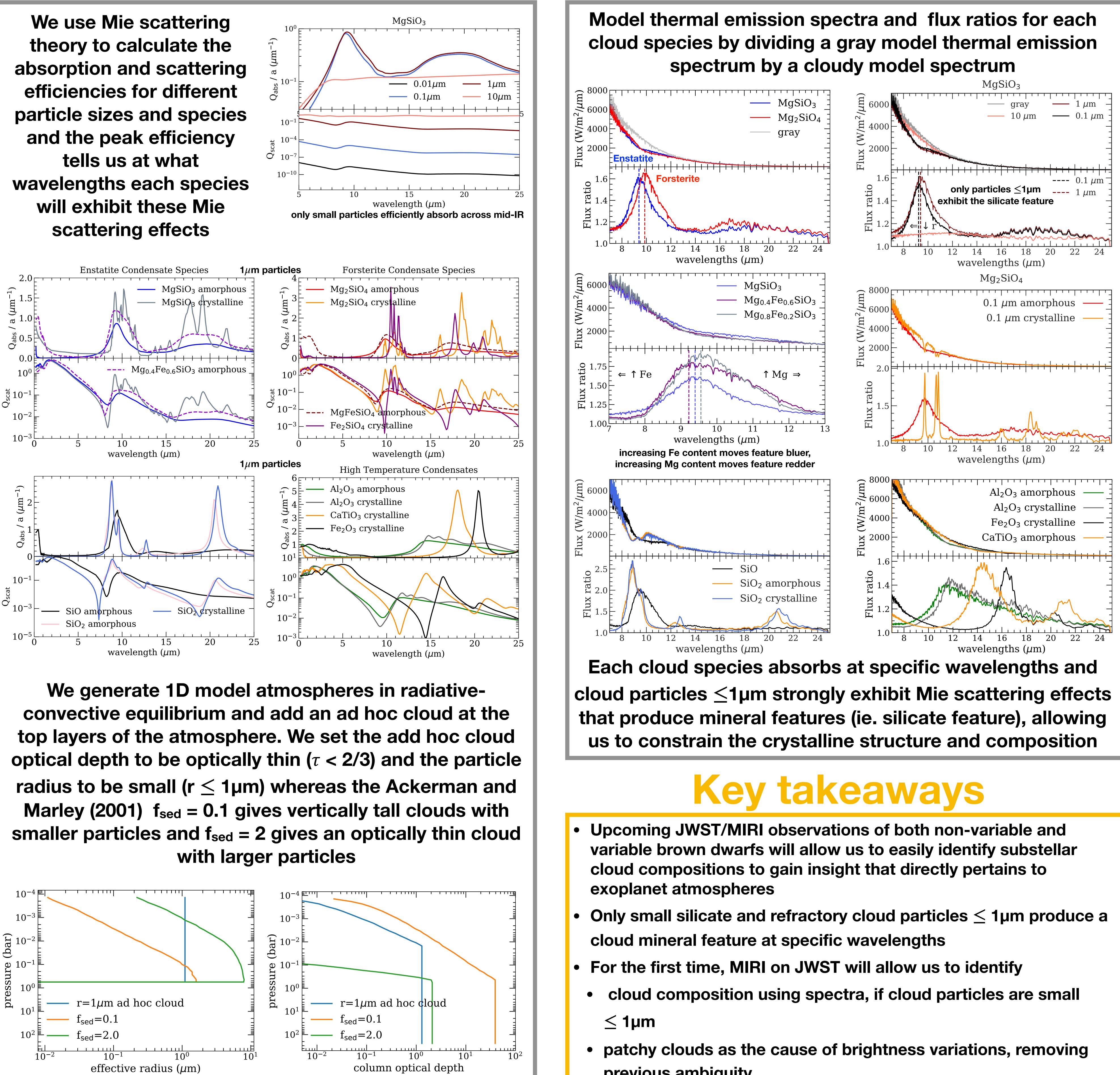
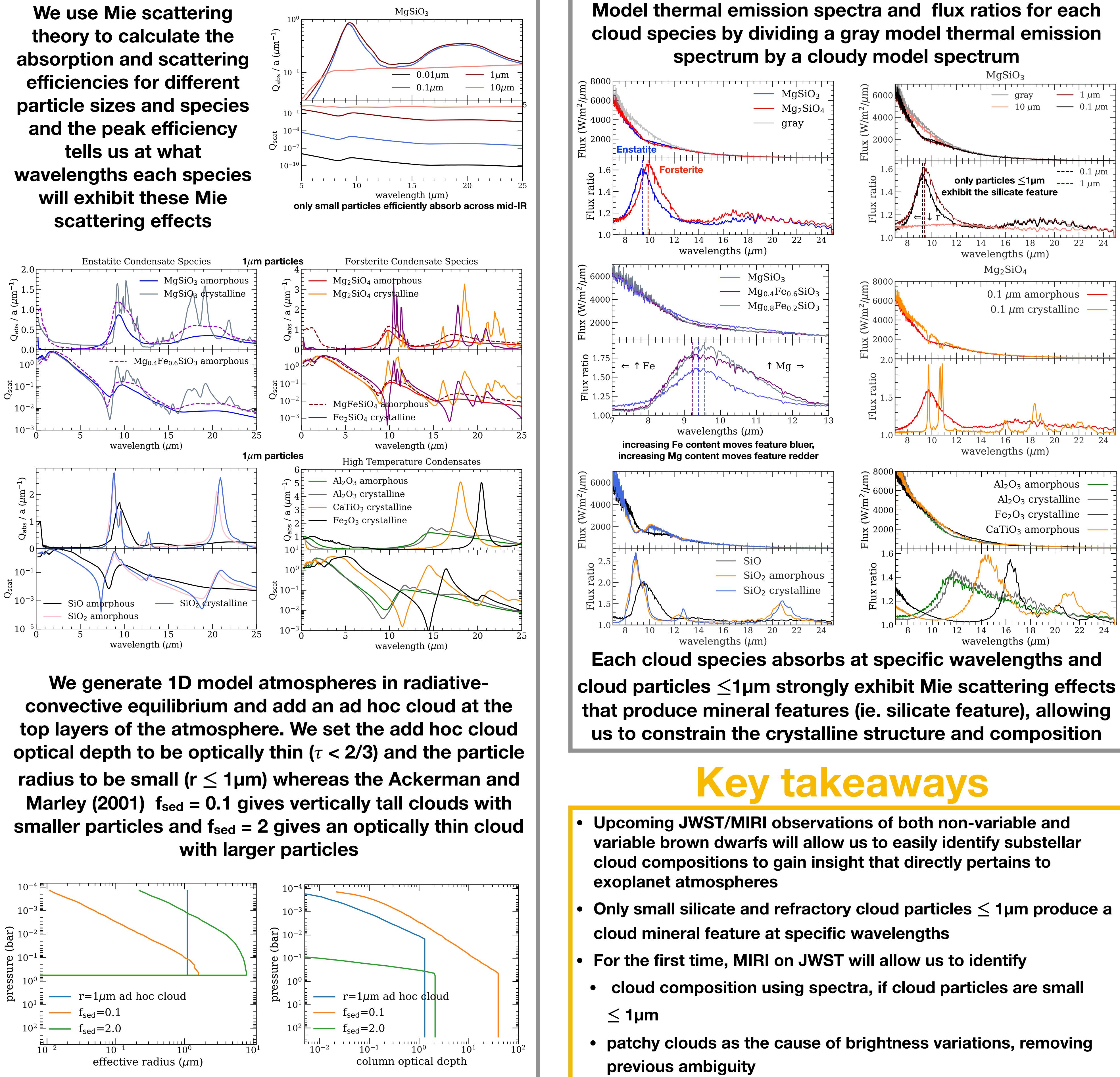


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Abstract: There is growing observational evidence of heterogeneous clouds in substellar atmospheres. However the content of these clouds is not well constrained from theory, which is a major barrier in understanding exoplanet atmospheres. The next key step in understanding these clouds form using mid-infrared spectroscopy to identify mineral species. We present a new technique to identify the cloud species in substellar atmospheres using the MIRI instrument on JWST.





## **Empirically Determining Substellar Cloud Compositions in the era of JWST** <sup>1</sup>University of Texas at Austin Jessica Luna<sup>1,2</sup>, Caroline Morley<sup>1</sup> <sup>2</sup>NSF Graduate Research Fellow

