PROBING THE SOLAR ACCRETION DISK USING THE PROPERTIES OF DUST FILTERING AT GAPS IN THE EARLY SOLAR SYSTEM

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Combining models and meteoritics:



II) Lab search for CAIs in inner solar system meteorites





Results for the young Solar System:



i) Jupiter formed early (< 1 Myr) ii) Density @ Jupiter: 100 - 1000 g cm⁻² iii) Viscosity @ Jupiter: $\alpha = 0.001 - 0.003$ iv) Nice II model is incompatible with data