

Abstract Submitted  
for the SES16 Meeting of  
The American Physical Society

**Polarized radiation from disks** HAIFENG YANG, ZHI-YUN LI, University of Virginia — Magnetic field plays an important role in the dynamics and evolution of protoplanetary disks. Submm/mm wavelength radiation has been employed to detect magnetic field in disks. However, polarimetry observations from such disks on small scales show unphysical magnetic field structure together with some other problems. We will discuss scattering by dust grains as an alternative mechanism in producing submm/mm wavelength polarized radiation and related physics like grain growth.

Haifeng Yang  
University of Virginia

Date submitted: 14 Oct 2016

Electronic form version 1.4