

The Outer Disk of the Young Solar Analog LkCa 15

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- LkCa 15, is a solar-mass star with an imaged cavity (talk by Thalmann), with extensive modeling of the disk (talk by Jang-Condell).
- If the dust disk is sufficiently geometrically flat, it can be shadowed by small distortions in the disk surface caused by planets in the cavity, and may result in scattered-light nebulosity which is much more asymmetric than typical of protoplanetary disks.
- Shadows cast by warps at the disk inner rim should move with the orbital period of the planet, and may offer a novel probe of planets, analogous to rotating resonances in debris disks.

