

ALMA Observation of Gas and Dust in Debris Disks

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The evolution from protoplanetary disks to debris disks is very important for understanding planet formation. Infrared emissions from debris disks observed by AKARI imply that the debris disks have gas components. The archive data of ALMA cycle1 include the samples of the debris disks found by AKARI. Therefore, we analysed the data and then found CO detections in 5 of 10 samples.

Keywords: protoplanetary disk, debris disk, gas/dust