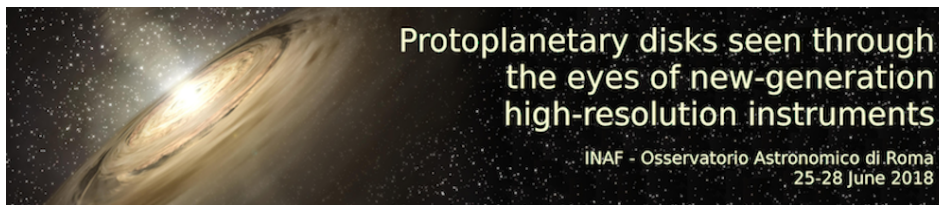


Protoplanetary disks



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Three stars, two disks, one system

Tuesday, 26 June 2018 17:30 (20 minutes)

V4046 Sgr is a close binary with accretion signature.

GSC 07396-00759 is instead a very active but not accreting M1-type star.

These three form a dynamically bound system, likely member of the Beta Pictoris Moving Group.

Although V4046 Sgr is surrounded by a gas-rich disk, the characteristics of the newly detected GSC disk all together tend to favor an evolved/debris disk nature over a primordial/gas-rich disk.

This makes the system composed of V4046 Sgr and GSC 07396-00759 an interesting laboratory for studying the different evolutionary timescales of coeval disks.

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