

accretion processes in astrophysics pdf

Accretion disks are a ubiquitous phenomenon in astrophysics; active galactic nuclei, protoplanetary disks, and gamma ray bursts all involve accretion disks. These disks very often give rise to astrophysical jets coming from the vicinity of the central object. Jets are an efficient way for the star-disk system to shed angular momentum without losing too much mass.

Accretion disk - Wikipedia

The recent radio observations (Mooley et al, 2018) of a superluminal radio afterglow following GRB 170817A are interpreted in terms of a jet impacting a baryonic cloak, which is presumably the material caught at the front of the jet as the latter emerges from a denser ejected material.

Astrophysics authors/titles "new" - arXiv

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An astrophysical jet is an astronomical phenomenon where outflows of ionised matter are emitted as an extended beam along the axis of rotation. When this greatly accelerated matter in the beam approaches the speed of light, astrophysical jets become relativistic jets as they show effects from special relativity.. The formation and powering of astrophysical jets are highly complex phenomena ...

Astrophysical jet - Wikipedia

Brief Explanation of the Project Seal and Martin's A bibliography of astronomy, 1970-1979 is the last known major undertaking of this kind. These Core Lists of books in astronomy are intended to assist librarians and collection development librarians in building astrophysics collections.

Core List of Astronomy and Physics Books

IGR J16493-4348 is an eclipsing supergiant high-mass X-ray binary (sgHMXB), where accretion onto the compact object occurs via the radially outflowing stellar wind of its early B-type companion.

Arxivsorter

The nature of the dark matter which apparently makes up 80% of the mass of the particles in the universe is still one of the great unsolved mysteries of present day sciences.

Is dark matter made of primordial black holes? - phys.org

2 Praesepe). These light curves are providing a wealth of new data important for understanding the formation and evolution of low mass stars, and in particular their an-

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