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Introduction Herbig-Haro Objects at Different Wavelengths Optical Spectra Infrared Spectra and Images Ultraviolet Spectra Morphological and Kinematic Properties of Jets The HH 111 Jet Complex ...

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In the course of objective prism surveys of dark clouds, Herbig (1950, 1951, 1952) and Haro (1952, 1953) discovered a number of small objects, which display characteristic emission line spectra of...

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Herbig-Haro (HH) objects are the optical manifestations of this powerful mass loss. Analysis of HH flows, and in particular of the subset of highly collimated HH jets, provides indirect but important insights into the nature of the accretion and mass-loss processes that govern the formation of stars.

Herbig-Haro Flows: Probes of Early Stellar Evolution

HH 222: AGiant Herbig-Haro Flow from theQuadrupleSystem V380Ori ... A new Herbig-Haro object, HH 1041, is found precisely ... is a giant bow shock driven by the Herbig Be star V380 Ori located 22 arcmin to the south-east. We argue that the two infrared sources at the center

HH 222: AGiant Herbig-Haro Flow from theQuadrupleSystem

a multi-epoch hst study of the herbig–haro flow from xz tauri John E. Krist 1, Karl R. Stapelfeldt, J. Jeff Hester 2, Kevin Healy 2, Steven J. Dwyer 3, and Carl L. Gardner 4 1 Jet Propulsion Laboratory, California Institute of Technology, 4800 Oak Grove Drive, Pasadena, CA 91109, USA

A MULTI-EPOCH HST STUDY OF THE HERBIGâ€"HARO FLOW FROM XZ TAURI

A total of 178 researchers from 26 countries met to discuss our present level of understanding of Herbig-Haro flows and their relation to disk accretion events and T Tauri winds and other outflow phenomena like molecular outflows, embedded molecular hydrogen flows and radio jets.

Herbig-Haro Flows and the Birth of Low Mass Stars

Herbig–Haro (HH) objects are turbulent looking patches of nebulosity associated with newborn stars. They are formed when narrow jets of partially ionized gas ejected by said stars collide with nearby clouds of gas and dust at speeds of several hundred kilometres per second.

Herbigâ€"Haro object - Wikipedia

Abstract We present the discovery of a number of Herbig-Haro flows which extend over parsec-scale distances. The largest of these is the well known HH 111 jet complex, which is shown, through CCD images and a proper motion study, to have an angular extent of almost one degree on the sky, corresponding to 7.7 pc, making it the largest known HH flow.

Giant Herbig-Haro Flows - Harvard University

Recent observations with wide field-of-view CCDs have shown that over 20 Herbig-Haro flows extend for more than one parsec from their driving sources. We review the observed properties of these giant HH flows and discuss the physical consequences for star formation, and for the physics and chemistry of the surrounding interstellar medium.

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