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ASTROPHYSICAL JETS

Proceedings of an International Workshop held in Torino, Italy, October 7-9, 1982

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344 pp., illus.

Cloth ¥14,300 ISBN 90-277-1627-7

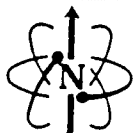
July 1983, D. Reidel Publishing Company

Recent high-resolution observations at various frequencies (radio, optical, X-ray) have revealed that, in many cases, active astrophysical objects, from stellar

size sources to galactic nuclei, can eject supersonic (eventual relativistic) flows. In particular, these flows involve a substantial fraction of the global energetics of their sources. The study of the physical processes producing 'jets', and supporting them in their rich morphological forms over extended regions for long lifetimes, is still at an early stage and many proposals and experimental tests are being actively discussed in an attempt at reaching a complete understanding of the phenomenon. The Torino Workshop on Astrophysical Jets was organized to provide a specific opportunity for these discussions, involving observers and theoreticians. The Workshop was well attended by about 90 scientists gathered from Europe and the United States. The important contributions collected in the Proceedings give an updated picture of the main topics of interest in the field as well as a state-of-the-art survey of the astrophysics of jets to the end of 1982.

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