

48. HIGH ENERGY ASTROPHYSICS  
(ASTROPHYSIQUE DE GRANDE ENERGIE)

PRESIDENT: F. Pacini  
VICE-PRESIDENT: R. Giacconi  
ORGANISING COMMITTEE: J. Audouze, J.L. Culhane, K.I. Kellermann, E.N. Parker,  
E.E. Salpeter, I. Shklovski, J. Trümper

In view of the broad range of topics covered by Commission 48 and the consequent inevitable overlap with other commissions, it is not feasible to produce a comprehensive self-contained report. The commission therefore restricts its report to a selected list of accessible recent review articles and conference reports, where up-to-date summaries of various topics can be found. Such a list is given below.

A. REVIEW ARTICLES

- Baym, G. & Pethick, C.: 1979, Physics of Neutron Stars, Ann. Rev. Astron. Astrophys. 17  
Cesarski, C.: 1980, Cosmic-Ray Confinement in the Galaxy, Ann. Rev. Astron. Astrophys. 18  
Culhane, J.L.: 1981, Extragalactic X-Ray Astronomy Science Progress 67, p. 223  
Dolgov, A. & Zel'dovich, Ya.B.: 1981, Cosmology and Elementary Particles, Rev. Mod. Phys. 53, p. 1  
Kellermann, K.I. & Pauliny-Toth, I.: 1981, Compact Radio Sources Ann. Rev. Astron. Astrophys. 19.  
Lewin, W. & Joss, P.: 1981, X-Ray Bursters and the X-Ray Sources of the Galactic Bulge Space Science Rev. 28  
Miley, G.: 1980, The Structure of Extended Extragalactic Radio Sources, Ann. Rev. Astron. Astrophys. 18

B. CONFERENCE PROCEEDINGS

- Proc. IAU Symposium No. 94 "Origin of Cosmic Rays" (Bologna 1980)  
Proc. IAU Symposium No. 95 "Pulsars" (Bonn 1980)  
Proc. IAU Symposium No. 99 "Extragalactic Radio Sources" (Albuquerque 1981)  
Proc. Royal Astron. Society Meeting "Gamma Ray Astronomy" (London 1980)  
Proc. Uhuru Memorial Symposium, Washington Academy of Sciences (Washington 1980)  
Proc. 17th Cosmic Ray Conference IUPAP (Paris 1981)  
Proc. 9th Texas Meeting on Relativistic Astrophysics  
Optical Sets in Galaxies ESA-ESO Workshop 1981