

## 48. HIGH ENERGY ASTROPHYSICS (ASTROPHYSIQUE DE GRANDE ENERGIE)

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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

Hillas, A.M., 1984, Origin of Ultrahigh Energy Cosmic Rays,  
Ann. Rev. Astron. Astrophys. 22.

Joss, P.C. & Rappaport, S.A., 1984, Neutron Stars in Interacting  
Binary Systems, Ann. Rev. Astron. Astrophys. 22.

Bradt, H.V.D. & McClintock, J., 1983, Galactic Astrophysics & Gamma Ray  
Astronomy, Space Science Reviews 37.

\_\_\_\_\_, 1983, Optical Counterparts of Galactic  
X-Ray Sources. Ann. Rev. Astron. Astrophys. 22.

Bignami, G.F. & Hermsen, 1983, Galactic Gamma Ray Sources,  
Ann. Rev. Astron. & Astrophys. 21.

Holt, S.S. & McCray, 1982, Spectra of Cosmic X-ray Sources,  
Ann. Rev. Astron. & Astrophys. 20.

Forman, W. & Jones, C., 1982, X-ray Imaging of Clusters of Galaxies,  
Ann. Rev. Astron. & Astrophys. 20.

### B. CONFERENCE PROCEEDINGS

10th Texas Symposium of Relativistic Astrophysics, 1982, ed. R. Ramaty  
and F.C. Jones: New York Academy of Sciences.

Galactic X-ray Sources, 1982, eds. P.W. Sanford, P. Laskandes and  
J. Salton; J. Wiley and Sons: Chichester.

IAU Symposium 101 "Supernova Remnants and Their X-ray Emission", 1983,  
eds. J. Danziger, P. Gorenstein; D. Reidel: Dordrecht.

Composition and Origin of Cosmic Rays, 1983, ed. M.M. Shapiro;  
D. Reidel: Dordrecht.