Symposium on UV Space Astronomy

Physical Processes in the Local Interstellar Medium

Call for Papers

This symposium will be held on July 4 and 5, 1986, in Toulouse, France, in the context of the XXIVth COSPAR Meeting, as the "associated symposium" #7. It is cosponsored by the IAU.

The results obtained with UV space experiments such as VOYAGER, ASTROM, and IUE and other spacecrafts working in the infrared (IRAS) and X-ray domain, as well as those obtained at very high resolution from ground based observations, have brought new insights on the interstellar medium surrounding our Solar System.

The purpose of this Symposium is to bring together all the new information gathered in the different wavelength domains and compare the results with the theoretical models for the LISM. Special emphasis is given to the spatial distribution and the physical conditions in a region limited to a distance of 200 pc from the Sun. Future UV Space Astronomy experiments will be discussed extensively in the context of their importance for this subject.

As can be seen on the general program and list of invited talks included, there will be a limited amount of time for contributed papers and posters. If you wish to present a contributed paper or poster, you are kindly invited to fill in the attached Abstract Form and return it before January 15 to Dr. C. Gry, ESA/ILSPA P.O. Box 54065, 28080 Madrid, Spain, with a copy to the COSPAR Secretariat, 51 Boulevard de Montmorency, 75016 Paris, France.

If you want to attend the symposium even without presenting a paper, you are referred to the XXIVth Plenary Meeting and Associated Activities", Second Circular, October 1985, edited by COSPAR. The deadline for registration is 31 May 1986. The COSPAR Circular contains all information and registration forms and can be obtained from the COSPAR secretariat.

Scientific Organising Committee:
SYMPOSIUM 17: UV SPACE ASTRONOMY – PHYSICAL PROCESSES IN THE LISM

- PROGRAM AND INVITED TALKS -

SESSION 1: (Friday, July 4, morning)
THE INTERFACE BETWEEN THE HELIOSPHERE AND THE LISM

BARANOV: The interface between the heliosphere and the LISM
FAHR: Is the heliosphere interface submagnetosonic?

Contributed papers and posters

SESSION 2: (Friday, July 4, afternoon)
SPATIAL STRUCTURE OF THE LOCAL INTERSTELLAR MEDIUM

DE VRIES: IRAS results = relevance to the LISM (cirrus ?)
FERLET: Structure of the LISM from high resolution ground
based and UV spectroscopy
JAKOBSEN: UV and X-ray background and the LISM

Contributed papers and posters

SESSION 3: (Saturday, July 5, morning)

Cox: Theory of the LISM
* Ostriker: McKee and Ostriker theory of the LISM
TOMISAKA: Cycling of the LISM
ARNAUD: Heating of the LISM

Contributed papers and posters

SESSION 4: (Saturday, July 5, afternoon)
REQUIREMENTS FOR THE FUTURE: THE IMPORTANCE OF THE EUV

VIDAL-MADJAR: Lyman
DUPREE: FUSE
FOUNDS: The EUV Telescope on ROSAT
BOWER: The EUV Explorer
OLTHOF: EURECA projects and prospects

Contributed papers and posters

(*) To be confirmed
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(please mark with an * the name of tentative presenter)

ABSTRACT (about 150 words):

Send to (see page 2 for general procedure and Part III for all addresses)

1. for Symposia and Workshops Organizer + COSPAR + National Institution
2. for Topical Meetings: