

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, ASTRON, 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/VILSPA P.O. Box 54065, 28000 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:

W. Wamsteker (chairman), A.A. Boyarchuk, F. Bruhweiler,
J.J. Caldwell, G. Courtes, A. Dupree, H.J. Fahr, C. Gry,
F. Paresce.

SYMPOSIUM #7: 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 ?)

FIEBELT: Structure of the LISM from high resolution ground based and UV spectroscopy

JACOBSEN: UV and X-ray background and the LISM

Contributed papers and posters

SESSION_3: (Saturday, July 5, morning)

COOK: Theory of the LISM

* **OSTRIKER:** McKee and Ostriker theory of the LISM

TOMISAKA: Cycling of the LISM

NEUMANN: 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

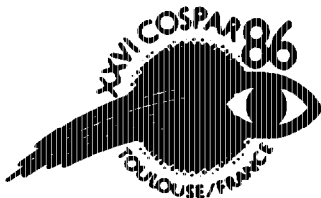
FOUNDS: The EUV Telescope on ROSAT

BOWYER: The EUV Explorer

OLTHOFF: EURECA projects and prospects

Contributed papers and posters

(*) To be confirmed



ABSTRACT FORM
XXVI COSPAR - Toulouse, France
30 June - 12 July 1986

SUBMISSION DEADLINE :
15th January 1986

(to be filled in by authors)		FOR COSPAR USE ONLY	
Symposium Workshop Topical Mtg.	N° _____ Title _____		Received _____
Organizer	_____		Preliminary N° _____
Contributed paper _____	Invited paper _____		Nat'l Com. _____
Title of paper	_____		Prog. Com. _____
Author(s), Institution(s)	_____		Final N° _____
_____	_____		
_____	_____		
(please mark with an * the name of tentative presenter)			
_____	_____		

ABSTRACT (about 150 words):

<p>Send to (see page 2 of Second Circular for general procedure and Part III for all addresses):</p> <p>1. for Symposia and Workshops Organizer + COSPAR + National Institution</p> <p>2. for Topical Meetings -</p>	<p>Name and Address for all correspondence regarding this paper:</p>
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