

PHYSICS OF FORMATION OF FeII LINES OUTSIDE LTE

Dear Colleague:

We wish to inform you that we are planning to hold an international meeting on the "Physics of Formation of FeII Lines Outside LTE", to be held in Capri (Naples), Italy, next July 1986.

Absorption and emission lines of ionized iron are present in the spectra of a wide variety of different astrophysical objects, and their intensity can be used as a diagnostic of the physical conditions in different regions of the solar and stellar atmosphere, in stellar winds, circumstellar matter, as well as in active galactic nuclei.

Many investigations are currently in progress concerning FeII line formation outside LTE, both theoretically and observationally, and many interesting results have been obtained in recent years, especially using IUE data. Therefore, it seems to us extremely opportune and timely to hold an international meeting with the aim of bringing together experts of different fields to discuss the problem of FeII (and of other ionized metals) in Astrophysics. The subjects to be discussed include:

- I Observations of FeII in the spectrum of different objects such as the Sun, stellar chromospheres, stellar winds, accretion regions (binaries and young stars), ejecta, active galactic nuclei, etc.
- II Basic atomic data.
- III Methods of empirical analysis.
- IV Radiation transfer and synthetic spectra.

The Scientific Organizing Committee includes: B. Baschek, A.M. Boesgaard, M. Friedjung, S. Johansson, M. Joly, C. Jordan, H. Netzer, H. Nussbaumer, M. Rigutti and R. Viotti (chairman). A. Vittone is the chairman of the Local Organizing Committee.

For more details please contact:

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