

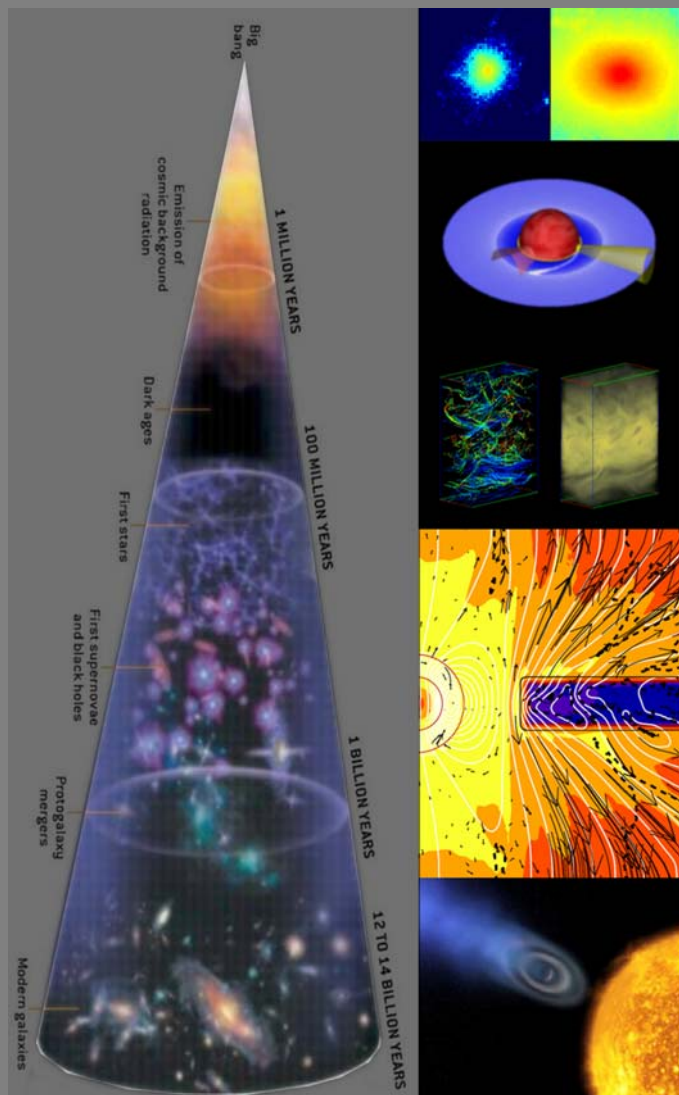


# SPACE ASTRONOMY: THE UV WINDOW TO THE UNIVERSE

*dedicated to Dr. Willem Wamsteker*

*El Escorial, Spain*

*May 28 – June 1, 2007*



Key scientific problems in modern astrophysics require access to the UV range to be properly addressed. For instance, such issues are the **chemical enrichment of the Universe**, the **nature of astronomical engines**, the **formation and remote detection of life sustainable systems**, and the **determination of the distribution of diffuse matter in the Universe (from ISM to IGM)**. The scientific objective of this meeting is to identify the key UV observables to ensure progress in astrophysics, and to specify the instrumentation required to obtain them.

We are limiting the spectral range considered as UV from slightly shorter than the Lyman limit to approximately 320 nm (the atmospheric limit). In this range one encounters the electronic transitions of the most abundant molecules and the signatures of plasmas from 3000 to 30000K. We do not intend to restrict the redshift range of the objects to be discussed, thus even high-*z* objects would be included in the discussion even though their intrinsic features would be emitted at wavelengths much shorter than the Lyman break.

New existing or planned UV instruments will be discussed, that will provide critical observations to address and solve the scientific issues mentioned above and an essential complement to interpret data at longer wavelengths that will be gathered by next-generation large ground-based and space-based telescopes.

## Local Organizing Committee:

Ana I. Gómez de Castro (UCM-CSIC), co-chair,  
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Julia Coloma (IAG,CSIC), Carmen Rosales (ESAC),  
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## Scientific Organizing Committee:

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