

The Galaxy Evolution Explorer (GALEX): Progress Report

Young-Wook Lee

Center for Space Astrophysics, Yonsei University

The Center for Space Astrophysics (CSA) is actively participating in the development of the Galaxy Evolution Explorer (GALEX), an ultraviolet (UV) space telescope being developed by an international team. As an official partner of the GALEX, CSA is providing scientific investigation (1) to maximize the science return of the GALEX mission, especially in the area of UV dating of old stellar populations, and (2) for the science operation & data analysis (SODA) part of the mission. Furthermore, the US State Department has approved CSA participation in the GALEX instrumentation activities. Such approvals are extremely rare in any collaborative work with the US government and thus should be highly valued. As a result, CSA scientists are currently full-time participating in the GALEX instrumentation, such as *I&T* activities. The GALEX project has successfully passed several critical NASA reviews, and is now confirmed for launch in early 2002. As the first official case of Korea-NASA cooperation on major space science program, this project will greatly expand the capability of Korean astronomy into world-class space based operations.