

HIRDES - THE MAIN INSTRUMENT OF THE WSO/UV SATELLITE

J. Barnstedt, N. Kappelmann, K. Werner

Eberhard Karls University, Tübingen, Germany

The *World Space Observatory for the Ultra-Violet* (WSO/UV) is a planned space telescope dedicated for astronomical observations in the UV spectral range. It consists of a 1.7 m primary mirror and a suite of instruments for spectroscopy and imaging. Launch is foreseen for 2015 with a Zenit-2SB into a geosynchronous orbit. WSO will work as a space observatory with a core program, guaranteed time for the project partners and time open to the world-wide community. The WSO project is led by the Institute for Astronomy of the Russian Academy of Sciences. Russia is responsible for the 1.7 m telescope, the spacecraft and the launch vehicle. The main instrument is *HIRDES*: a *High-Resolution Double Echelle Spectrograph* whose design and construction is being led by the Institute for Astronomy and Astrophysics of the University of Tübingen, Germany. We present the design characteristics of this spectrograph.