Development of mirror modules for the ART-XC instrument aboard the Spectrum-Roentgen-Gamma mission

Carolyn Atkins, The Univ. of Alabama in Huntsville
Mikhail N. Pavlinskiy, Alexey V. Tkachenko, Igor Y. Lapshov, Space Research Institute

Abstract
The Marshall Space Flight Center (MSFC) is developing x-ray mirror modules for the Astronomical Roengen Telescope- X-ray Concentrator (ART-XC) instrument on board the Spectrum-Roentgen-Gamma Mission. ART-XC will consist of seven co-aligned x-ray mirror modules with seven corresponding CdTe focal plane detectors. Each module provides an effective area of 65 cm$^2$ at 8 keV, response out to 30 keV, and an angular resolution of 45 arcsec or better HPD. We will present a status of the ART x-ray module development at MSFC.