

国際宇宙ステーション米国実験棟搭載中性子モニタ装置

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Bonner Ball Neutron Detector for International Space Station

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Abstract

Bonner Ball Neutron Detector (BBND) was developed to measure neutron radiation in the international space station (ISS), as a part of the NASA Human Research Facility (HRF) project. It was launched on March 2001 and has been operating normally on orbit. The BBND is composed of detector unit, control unit and hard drives. The measurement data is stored in the hard drive and is transmitted to ground via HRF workstation. This experiment will be continued for up to 8 months. The BBND is the first Japanese experiment hardware for the ISS.