

Searching for signature of extended emission in short GRBs registered by SPI-ACS of INTEGRAL observatory

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We investigated short duration gamma-ray bursts registered by SPI-ACS of INTEGRAL observatory in 2002–2007. Only independently confirmed GRBs are used. Average time profile of all short GRBs reveals significant emission extended up to 30 s after the peak. This is first time detection of extended emission of short gamma-ray burst in the energy range above 100 keV.