arXiv.org > astro-ph > arXiv:1107.1661

Search or Article-id

(Help | Advanced search)

All papers





Astrophysics > High Energy Astrophysical Phenomena

Gamma Ray Burst origin and their afterglow: story of a discovery and more

Enrico Costa, Filippo Frontera

(Submitted on 8 Jul 2011 (v1), last revised 22 Dec 2011 (this version, v2))

In this paper we review the story of the BeppoSAX discovery of the Gamma Ray Burst afterglow and their cosmological distance, starting from their first detection with Vela satellites and from the efforts done before BeppoSAX. We also discuss the consequences of the BeppoSAX discovery, the issues left open by BeppoSAX, the progress done up to now and its perspectives.

Comments: 31 pages, 14 figures, published in 2011 in the

> international refereed journal "La Rivista del Nuovo Cimento" of the Italian Physical Society, vol. 34. The occasion of this review paper was the award of the Fermi Prize 2010 to their authors "For the discovery of the X-ray afterglow of Gamma-Ray Burst with the

BeppoSAX satellite" (this http URL)

High Energy Astrophysical Phenomena (astro-Subjects:

ph.HE)

Journal reference: La Rivista del Nuovo Cimento, Vol. 34, Issue 10,

October 2011, pp. 585-615

DOI: 10.1393/ncr/i2011-10069-0 10.1393/ncr/i2011-10069-0

10.1393/ncr/i2011-10069-0 10.1393/ncr/i2011-10069-0

Cite as: arXiv:1107.1661 [astro-ph.HE]

(or arXiv:1107.1661v2 [astro-ph.HE] for this version)

Submission history

From: Filippo Frontera [view email]

[v1] Fri, 8 Jul 2011 15:42:05 GMT (1145kb)

[v2] Thu, 22 Dec 2011 12:28:02 GMT (1142kb)

Which authors of this paper are endorsers?

Download:

- PDF
- **PostScript**
- Other formats

Current browse context: astro-ph.HE

< prev | next > new | recent | 1107

Change to browse by:

astro-ph

References & Citations

- **INSPIRE HEP** (refers to | cited by)
- NASA ADS

Bookmark(what is this?)











Link back to: arXiv, form interface, contact.