

## The 2nd LAT GRB Catalog

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**G. Vianello\***

*HEPL, Stanford University, United States*

*E-mail: [giacomov@stanford.edu](mailto:giacomov@stanford.edu)*

### on behalf of the Fermi/LAT collaboration

High-energy emission from Gamma-Ray Bursts is a powerful probe for extreme physics in these highly relativistic sources. Despite the advancements prompted by observations from the Fermi Large Area Telescope and the Fermi Gamma-Ray Burst Monitor, as well as other observatories, many questions remain open, especially on radiative processes and mechanisms. We present here the most extensive search for GRBs at high energies performed so far, featuring a detection efficiency more than 50% better than previous works, and returning more than 130 detections. With this sample size, much larger than the 35 detections presented in the first Fermi/LAT GRB catalog, we are able to assess the characteristics of the population of GRBs at high energy with unprecedented sensitivity. We will review the preliminary results of this work, as well as their interpretation.

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\*Speaker.