



Contribution ID: 1236

Type: Oral contribution

The 3rd Catalog of AGN Detected by the Fermi LAT

Wednesday, August 5, 2015 3:00 PM (15 minutes)

The third catalog of active galactic nuclei (AGNs) detected by the Fermi Large Area Telescope (3LAC) is presented. It is based on the third catalog (3FGL, Acero et al. 2015, arxiv 1501.02003) of sources detected with a test statistic greater than 25, using the first 4 years of data. The 3LAC includes 1591 AGNs located at high ($|b| > 10^\circ$) Galactic latitudes (with 28 duplicate associations, thus corresponding to 1563 gamma-ray sources among 2192 sources in the 3FGL catalog), providing 71% more sources with respect to the 2FGL. Various properties, such as gamma-ray fluxes and photon power law spectral indices, redshifts, gamma-ray luminosities, variability, and their correlations are presented and discussed for the different blazar and non-blazar classes.

Collaboration

FERMI

Registration number following "ICRC2015-I"

953

Primary author: GASPARRINI, Dario (ASDC/ INFN Perugia)

Co-authors: LOTT, Benoit (Centre d'Etudes Nucleaires de Bordeaux Gradignan (CENBG)); CAVAZZUTI, Elisabetta (ASDC); CUTINI, Sara (ASDC & INFN); CIPRINI, Stefano (INFN & ASDC)

Presenter: GASPARRINI, Dario (ASDC/ INFN Perugia)

Session Classification: Parallel GA19 Fermi

Track Classification: GA-EX