

## LOGN-LOGS STUDIES OF EGRET SOURCES

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A comprehensive investigation of logN-logS distributions of gamma-ray sources discovered by EGRET has been performed for subsequent use in population studies. Present models explaining the arrangement of unidentified sources in the gamma-ray sky does not reproduce actually observed logN-logS distributions. Viable population models do not only have to reproduce the logN-logS distribution as observed for different source classes (PSRs, AGN, unidentified sources) globally, they have to correspond to apparent differences among their spatial, spectral and variability characteristics. Furthermore, it needs to be understood in which way subselections among the unidentified sources like persistent (Grenier 1999) or steady sources (Gehrels 2000) are related to the overall picture in terms of its logN-logS characteristics.