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Multiwavelength study of high-redshift blazars

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High-redshift blazars are among the most powerful objects in the Universe. The spectral and temporal properties of 33 distant blazars ($z > 2.5$) detected in the high-energy gamma-ray band will be discussed using the Fermi-LAT and Swift Ultraviolet and Optical Telescope/X-ray Telescope (UVOT/XRT) data accumulated during 2008-2018. The properties of those blazar jets obtained by modeling the multiwavelength spectral energy distributions within a one-zone leptonic scenario assuming that the X-ray and gamma-ray emissions are produced from inverse Compton scattering of synchrotron and dusty torus photons will be presented and discussed.

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