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The Fermi view of GW170817

The detection of the gravitational wave event GW 170817 by LIGO and Virgo was accompanied by the independent detection of the short Gamma-Ray Burst GRB 170817A by the Fermi Gamma-Ray Burst Monitor (GBM) and a follow-up observation with the Anti-Coincidence Shield for the Spectrometer of Integral (SPI-ACS). Here we focus on the results by Fermi-GBM, discussing the characteristics of the GRB and the constraints we derived on fundamental physics. Later observations by the Fermi Large Area Telescope (LAT) are also briefly presented. Finally, we want to highlight Fermi's key role at the dawn of the Era of Multimessenger Astronomy and to discuss prospects for the upcoming O3 observation run of LIGO/Virgo.

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