

Abstract Submitted
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The Most Powerful Blazars with AMEGO MARCO AJELLO, LEA MARCOTULLI, Clemson University, VAIDEHI PALIYA, DESY Zeuthen, AMEGO TEAM — MeV blazars, the most luminous, persistent, sources in the Universe, are best observed in the MeV band where they release most of their radiative output. These blazars, which are typically found at high redshift, tend to host black holes with a mass in excess of 1 billion solar masses and as such are powerful probes of the formation mechanisms of massive black holes in the early Universe. The All-sky Medium Energy Gamma-ray Observatory (AMEGO) is posed to be the best instrument to detect and study MeV blazars. Here, we discuss the prospects for a survey of powerful MeV blazars with AMEGO.

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