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SEARCH FOR A POSITRON ANISOTROPY WITH PAMELA EXPERIMENT

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The PAMELA experiment is collecting data since 2006; its results indicate the presence of a large flux of positron respect to electrons in the cosmic ray spectrum above 10 GeV. This excess might also be originated in astrophysical sources, such as pulsars and microquasars, or through dark matter annihilation. We report on the analysis on spatial distributions of electron and positron events collected by PAMELA at different angular scale. The geomagnetic field is taken into account backtracing particles outside the Earth magnetosphere.