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The origin of the ultra-high energy cosmic-ray dipole

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Although their astrophysical sources remain a mystery, new measurements brought by experiments such as the Pierre Auger Observatory and Telescope Array have radically improved our knowledge of the ultra-high energy cosmic-rays (UHECRs). I will present new results on the interpretation of the first significant UHECR anisotropy: a $\sim 7\%$ dipole, recently reported by Auger for cosmic rays above 8 EeV.

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