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UHECR mass composition from their anisotropy with Telescope Array and Pierre Auger

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We use a new method of ultra-high energy cosmic rays anisotropy analysis to infer their injected mass composition from the data. We use the data of the Telescope Array experiment and public data of the Pierre Auger experiment. Our results show that a light composition is disfavored at all energies above 10 EeV, unless the extragalactic magnetic field is extremely strong.

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