## **Ultra High Energy Cosmic Rays 2018**



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## anisotropy by UHECR at 60 EeV ruled by lightest nuclei mainly originated from CenA, M82, NGC 253 near AGN.

The very recent anisotropy at highest UHECR energies is smootly clustering in several wide spots (or hot spots) : Cen A, M82, NGC 253 are at a few Mpc distance and are possible the main sources of these anisotropies in AUGER and TA data.

Because the Virgo absence and the UHECR airshower slat depth most of UHECR are lightest nuclei. Other additional growing clustering may be related to well known Z-Burst model where the relic neutrinos are the sterile ones at 1,6 eV. Future signature in those clustering area of a nucleon composition may test this exciting and extreme astro-particle model.

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