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## Deflections of UHECRs from Cen A in the Galactic magnetic field

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The Galactic magnetic deflection of cosmic rays from a source strongly depends on the Galactic magnetic field (GMF) model. We use the recent GMF model of Jansson and Farrar (JF12), a 35-parameter model which includes coherent, striated and random components and is constrained by WMAP synchrotron maps and all available extragalactic rotation measures. Here, we present the results of propagating ultra-high energy cosmic rays (UHECRs) from Centaurus A, to characterize their arrival-direction locus and determine whether Cen A can be a significant source of the UHECR excess reported by the Pierre Auger Observatory within 18 degrees of Cen A. Simulations are done for rigidities E/Z = 64 EV down to 2 EV, thus covering the possibility of compositions as heavy as Fe for the published UHECR events.

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