

Auger Youngsters Meeting 2024 (Siegen)



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GMFs and UHECR arrival and anisotropy

Wednesday 4 September 2024 14:20 (20 minutes)

We investigate the energy dependent residence time of extragalactic cosmic rays entering our Galaxy using CRPropa and current galactic magnetic models. With our simulation setup, we see the onset of diffusive propagation starting below ankle energies, and a strong suppressing of extragalactic cosmic rays entering our Galaxy below 0.1 EeV. We investigate anisotropy in this framework.

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Session Classification: Main session