

Magnetic fields and UHECR propagation

Tuesday, 4 October 2022 09:30 (30 minutes)

In this talk, I will review the observational properties of magnetic fields in our Galaxy – in particular in the Galactic halo – and in the intergalactic medium.

I will lay the emphasis on the properties that are relevant to the propagation of UHECRs, namely, the strength and the overall topology of the magnetic field.

I will discuss how these properties fit in with the basic predictions of dynamo theory.

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