Perspectives in Astroparticle physics from High Energy Neutrinos



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High energy cosmic rays and the production of cosmogenic neutrinos and gamma-rays

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We review the main features of ultra high energy cosmic rays propagation and the production of secondary cosmogenic particles such as neutrinos and gamma rays. We discuss the capabilities of the present and future observatories in the detection of these secondary particles, that has a paramount importance in constraining models for ultra high energy cosmic rays acceleration.

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