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Trigger rate studies with LST-1 prototype

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In-depth analysis and comparison of simulated and observed trigger rates provides a good verification on the correctness of the telescope simulation. Presented method uses the full simulation of cosmic rays induced showers with the large size telescope prototype (LST-1) which is installed at the Roque de los Muchachos Observatory, La Palma, Spain. It compliments the results obtained with the analysis of detected muons. Good agreement achieved through entire range of scanned trigger threshold points.

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