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## Systematic analysis of the properties of low energy cosmic ray air showers

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The recent development of affordable cosmic ray detectors, with both good timing and tracking capabilities, makes very interesting to analyze the possibility of introducing new observables for improving the identification of primary cosmic rays. For such a purpose, a systematic analysis of the properties of cosmic ray showers, induced by light, medium and heavy primaries, in the range of energies between 0.1 TeV and 1000 TeV has been initiated. The simulations are being done using the Corsika simulation program, at different altitudes and latitudes in different countries of Latin America: Mexico, Colombia and Peru.

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