

## **QGSJET-III: predictions for extensive air shower characteristics and the corresponding uncertainties**

*Friday 12 July 2024 09:00 (30 minutes)*

Results of the QGSJET-III Monte Carlo generator, regarding calculated characteristics of extensive air showers (EAS) initiated by very high energy cosmic rays, are presented in comparison to the corresponding predictions of other cosmic ray interaction models. A quantitative analysis of uncertainties for such predictions is performed, notably, regarding possibilities to enhance the EAS muon content or to delay the air shower development.

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