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Type: **Talk**

CORSIKA and CONEX for air shower simulations

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In order to properly train neural networks to analyze air shower data, it is necessary to have accurate simulations providing the necessary level of details required to extract the required information. The most popular tool is certainly the current version of CORSIKA and its fast option for 1D simulation CONEX. We will present the basic principles of these tools and how to use them properly. The limitations, mostly coming from the hadronic interaction models, will be addressed to avoid any over interpretation of what the simulations can really do.

Type of Contribution

talk

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