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The GiBUU transport model

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Abstract. We give an overview over the hadronic transport model GiBUU as a simulation tool for hadronic and electroweak reactions on nuclei over a wide energy range [1]. The model is able to handle hadron-, photon- and lepton-induced reactions as well as nucleus nucleus collisions from sub-GeV energies up to hundreds of GeV. After a general introduction of the model, we discuss its possible application to cosmic ray air showers.

References

[1] O. Buss et al, Phys. Rept. 512 (2012) 1-124

Slides

The slides of the talk can be found on the website of the symposium ISVHECRI 2012:
<https://indico.desy.de/conferenceOtherViews.py?view=standard&confId=4594>

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