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Use of CORSIKA for the IceTop Radio Enhancement

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The detector is currently in an R&D phase for an upgrade that will include adding an array of scintillator panels and radio antennas, to the existing array of ice Cherenkov detectors. Understanding the potential physics output of such an array requires a large library of CoREAS simulations. I will present how we are currently using CORSIKA to develop the radio component of the IceTop upgrade as well as how our needs could be better met with improvements to the simulation software.

Summary

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