## Executive Summary of PoS(ICRC2021)209



*What is this contribution about?* We present a **signal model** and **reconstruction algorithm** for radio measurements of **inclined air showers**.

*Why is it relevant / interesting?* Upcoming experiments like the **AugerPrime Radio Detector** and **GRAND** will measure inclined EAS with radio antennas.

What have we done? We have used CoREAS simulations to develop a signal model to symmetrize the signal distribution and fit it with a onedimensional lateral distribution function, the integral of which gives an estimator for the electromagnetic shower energy.

What is the result? On a 1.5 km grid, the reconstruction achieves a resolution on the electromagnetic energy of better than 5%.

## 7: Test performance on 1.5 km grid simulations



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