GRAND *Giant Radio Array for ν Detection* First Level Trigger

Autonomous detection of **UHE ν** -induced air-showers via antenna arrays
→ need a smart trigger to discriminate **background/air shower** radio signals with high purity
→ convolutional neural network trained/tested with GP13 data (experimental + simulated)
→ background transient rejection ~98 %, air shower transient selection > 86 % for SNR > 4
→ to be implemented on elec. board and tested in lab.(ressource)/on the field(sim. artifact?)