

## **AUGER TRIGGER SIMULATIONS**

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The Auger Observatory is intended to observe the highest energy cosmic rays. It is designed to trigger with approximately 100% efficiency on air showers induced by primary particles with energies exceeding  $10^{19}$  eV.

The surface array of the Observatory has 1600 stations arranged on a hexagonal grid. Stations store data locally and communicate with the central data facility in order to determine whether a large air shower has struck the array. The data stored at each station undergo some filtering before an overall global trigger is decided upon. Parameters of the trigger determined from simulation studies will be presented.