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## **The performance of atmospheric Cherenkov telescopes using the CRTNT prototype detector**

### **Abstract content**

The prototype Cosmic Ray Tau Neutrino Telescopes (CRTNT) are operated at the Yangbajing Cosmic Ray Observatory (4300 m a.s.l Tibet, P.R.China). To evaluate the performance of the CRTNT prototype, two telescopes are operated in stereoscopic mode and in coincidence with the ARGO-YBJ detector. Air shower simulation (based on CORSIKA), detector simulation, and event reconstruction are combined together to study the performance of CRTNT prototype. The detector aperture as a function of shower energy above  $10^{13}$  eV and event rate above  $10^{14}$  eV will be presented in the conference.

**If this papers is presented for a collaboration, please specify the collaboration**

### **Summary**

### **Reference**

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