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Radio signals of cosmic-ray-induced air showers at the Pierre Auger Observatory

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Stellingen

behorende bij het proefschrift

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van

Sybren Harmsma

1. A reliable trigger for a radio detector of cosmic-ray-induced air showers is easily created from particle detectors. However, a trigger system that does not depend on particle detectors would be more flexible and cost-efficient.
2. When developing a trigger system that is based on the radio signal emitted by an air shower, it is likely that the detector will trigger on radiation that was emitted by some of its own components.
3. When remotely operating a detector which is more than 12,000 km away from you, the number of things that can go wrong should not be underestimated.
4. “Hora finita” should not only be announced at the end of a PhD defense, but also when the allotted time of a scientific presentation has expired.
5. The public should not fund research if the results of that research are published in a journal that charges the public for access to the “publication”.
6. Forcing users to periodically change their computer passwords will make it more likely that users choose easy-to-remember (and easy-to-guess) passwords.
7. Laws prohibiting blasphemy have no place in a secular state.
8. The culture of opacity within democratic governments, as demonstrated by WikiLeaks, is conflicting with the principles of democracy.
9. During a PhD defense, the stellingen can form the basis for an interesting discussion in case nothing of interest can be found in the PhD thesis.