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Challenge and objectives of the radio detection technique from the CODALEMA collaboration viewpoint

The interest of the cosmic ray community toward radio detection has largely grown over the past decade and numerous related physics programs have been developed besides pioneering experiments like CODALEMA and LOPES. However, this very promising new detection tool is still under development and a number of objectives have to be met.

We intend to sketch an up to date picture of the radio technique by reviewing successful achievements and remaining open questions in light of the latest CODALEMA results. This will lead us to the objectives to be tackled by the last generation of radio experiments toward the elaboration of a dedicated large scale instrument.

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