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## Radio interferometry applied to the observation of air showers

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We developed a Radio Interferometric Technique for the observation of extensive air showers initiated by cosmic particles. This technique leads to a four dimensional representation of the extensive air shower. From this representation shower parameters are reconstructed in a straightforward manner. In this contribution, we show the application on radio simulations of air showers and study the influence of time synchronisation errors. Also, we will provide an outlook on how this method can be incorporated in operational and future cosmic particle observatories.

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