



Contribution ID: 44

Type: **Specialised Talk**

## **Measurements of the GHz emission by a 3 MeV electron beam.**

*Thursday 21 June 2012 17:20 (20 minutes)*

The MAYBE (Microwave Air Yield Beam) Experiment is dedicated to the study of the microwave emission from particle beams in the light of its possible use in the detection of ultra high energy cosmic rays.

Measurements of the microwave emission from an electron-beam were performed at the 3 MeV electron Van de Graaff facility of the Argonne National Laboratory. Results include the measured spectrum between 1 and 15 GHz, the polarization, and the scaling of the power with respect to the beam intensity. MAYBE measurements provide further insight on microwave emission as a detection technique for ultra-high energy cosmic rays.

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**Session Classification:** Microwave Detection