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# The Air Microwave Yield (AMY) experiment to measure the GHz emission from air shower plasmas

The AMY experiment aims to measure the Microwave Bremsstrahlung Radiation (MBR) emitted by air-showers secondary electrons accelerating in collisions with neutral molecules of the atmosphere. The measurements are performed at the Beam Test Facility (BTF) of Frascati INFN National Laboratories. The experiment will characterize the process to be used in a next generation detectors of ultra-high energy cosmic rays (up to 10^{20} eV). This technique could provide a full longitudinal profile measurement (like the Fluorescence Detector) but with a 100% duty cycle.

## quote your primary experiment

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