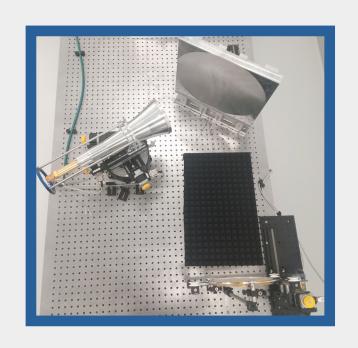
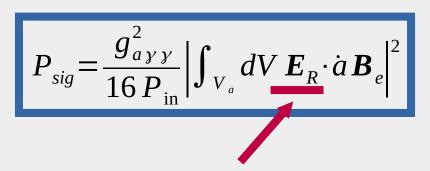
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QUANTUM UNIVERSE



Calibration of an open dielectric haloscope





Electric field excited by reflection measurement

- Aim: Measure potential signal power via the reciprocity approach
 • Model-independent
- Applicable to cavities, dish antennas, dielectric haloscopes, etc.
- Especially overmoded or open systems

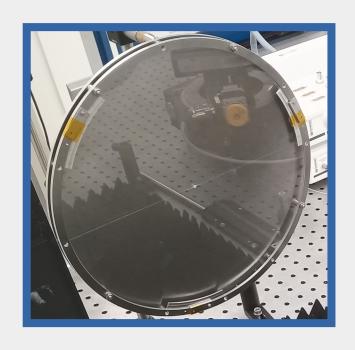


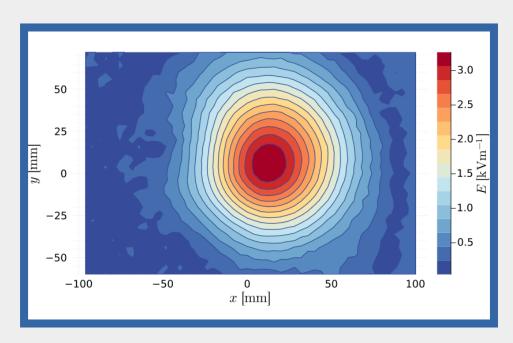
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Calibration of an open dielectric haloscope





• Measure \mathbf{E}_{R} with bead pull method



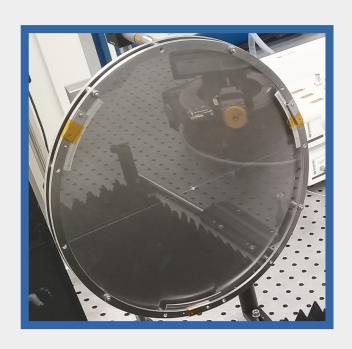


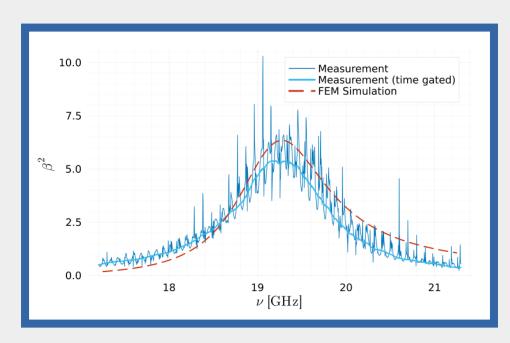
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Calibration of an open dielectric haloscope





• Integrate \mathbf{E}_R to obtain signal power

