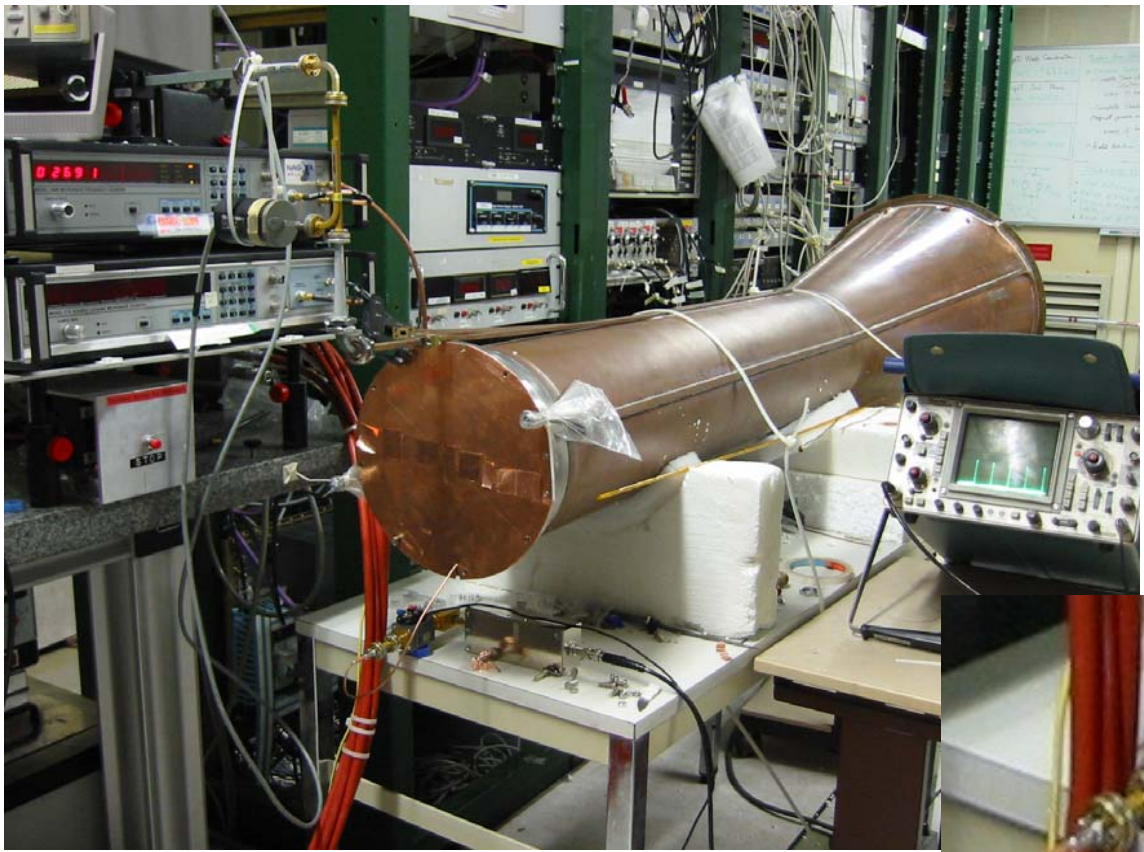
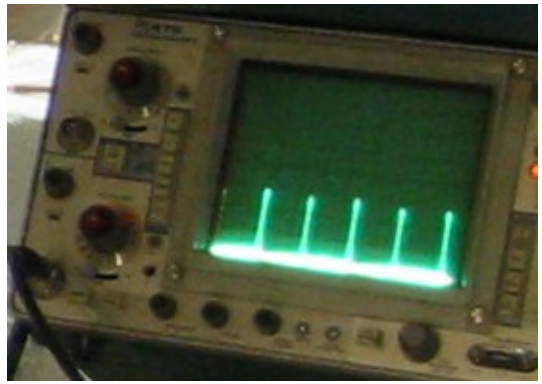
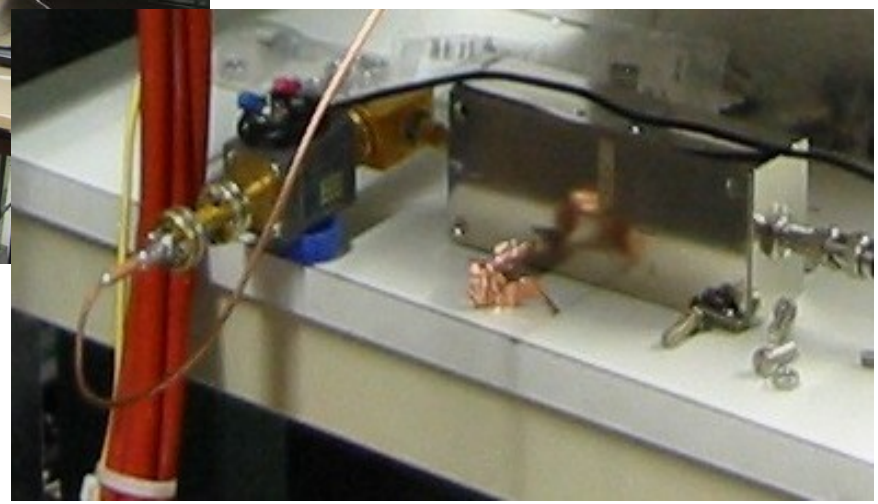
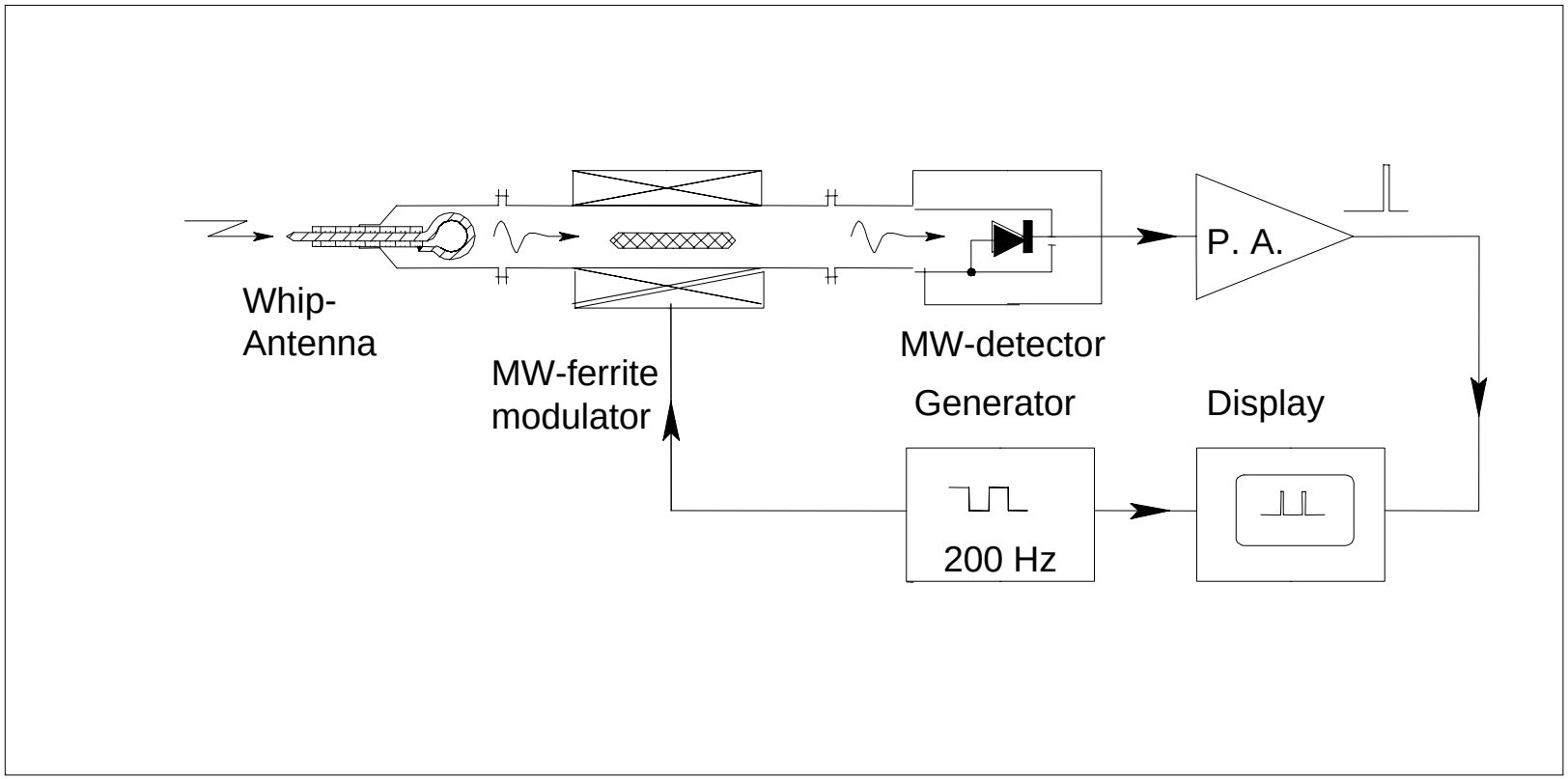
Investigation of the COMPASS cavity



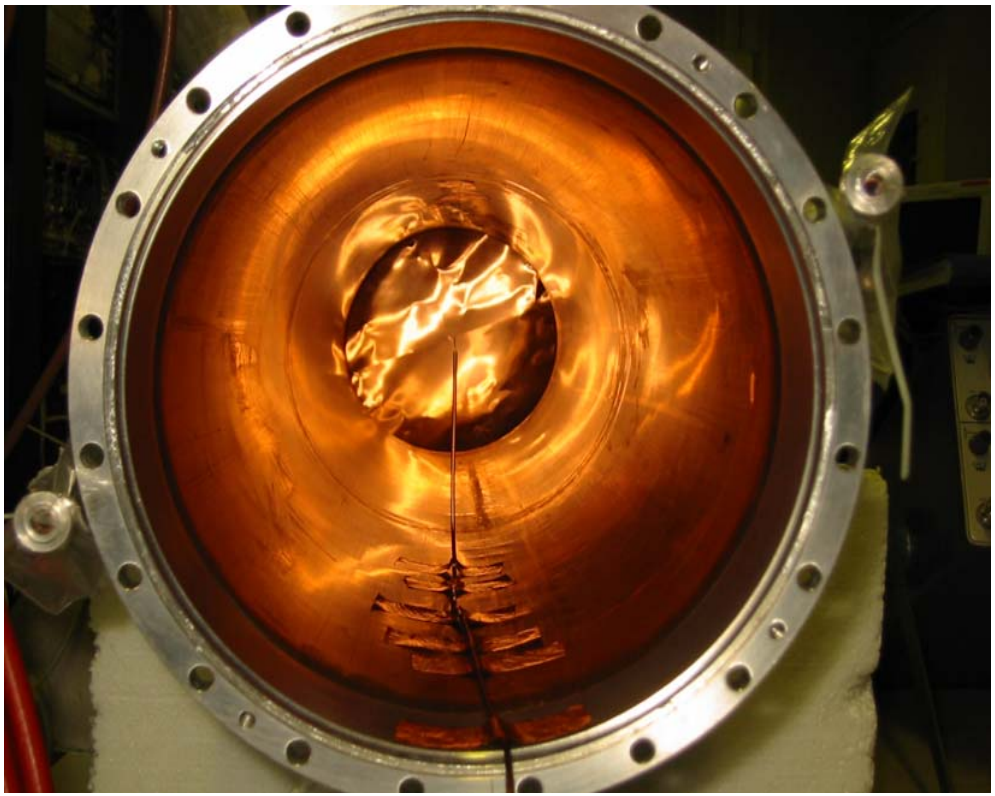


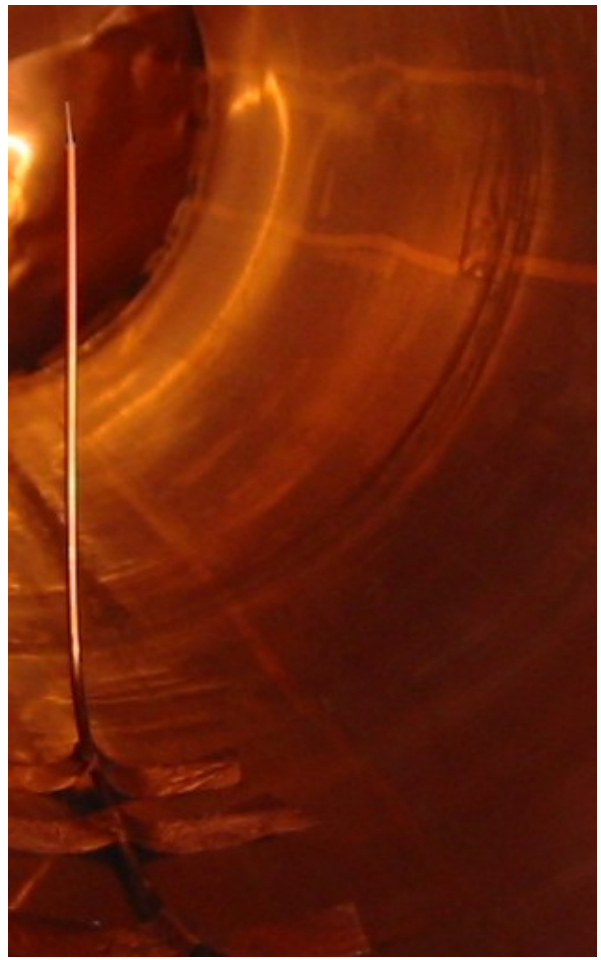


MW-sensor for the spectral measurements

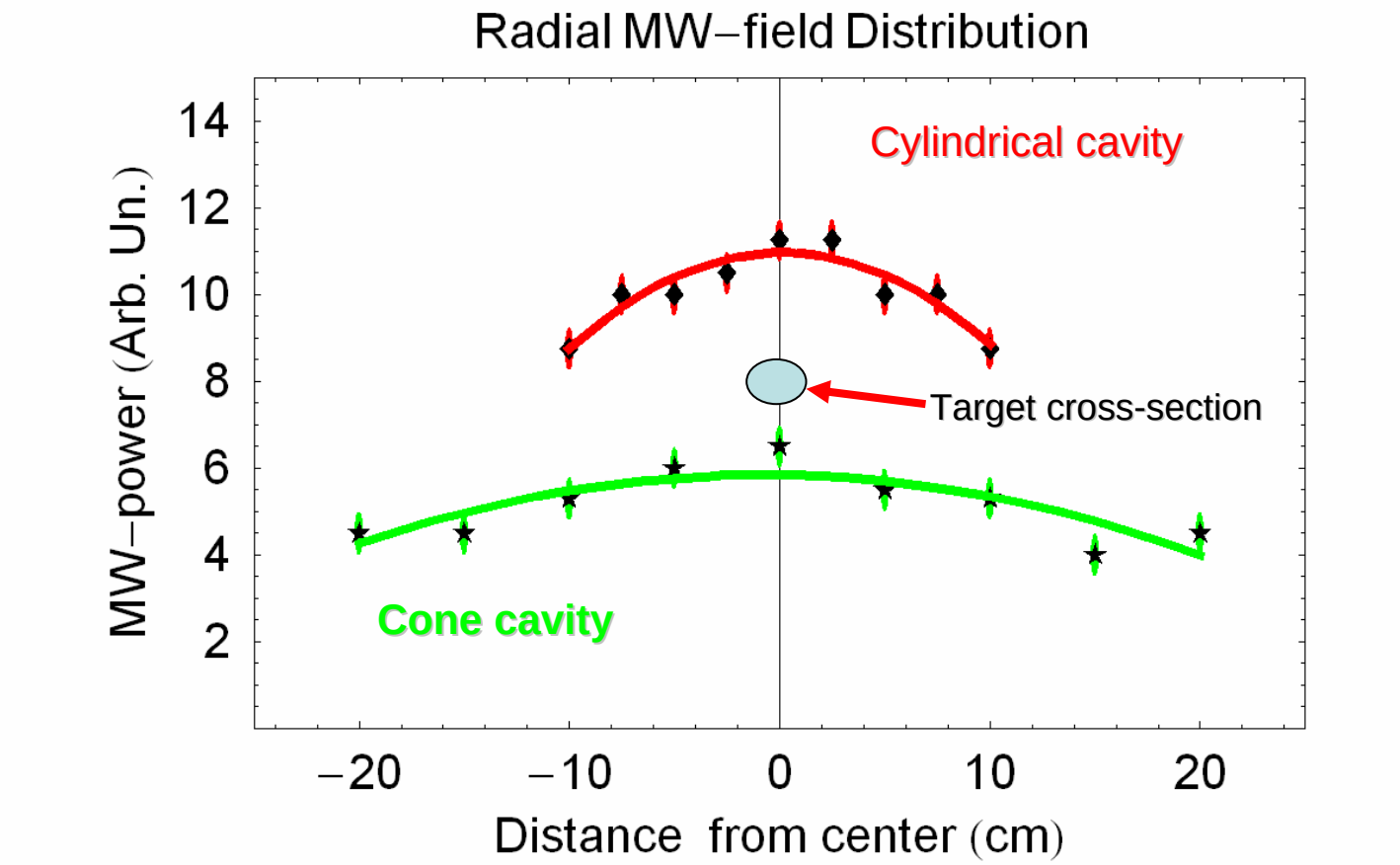


Position of the whip-antenna in the cavity

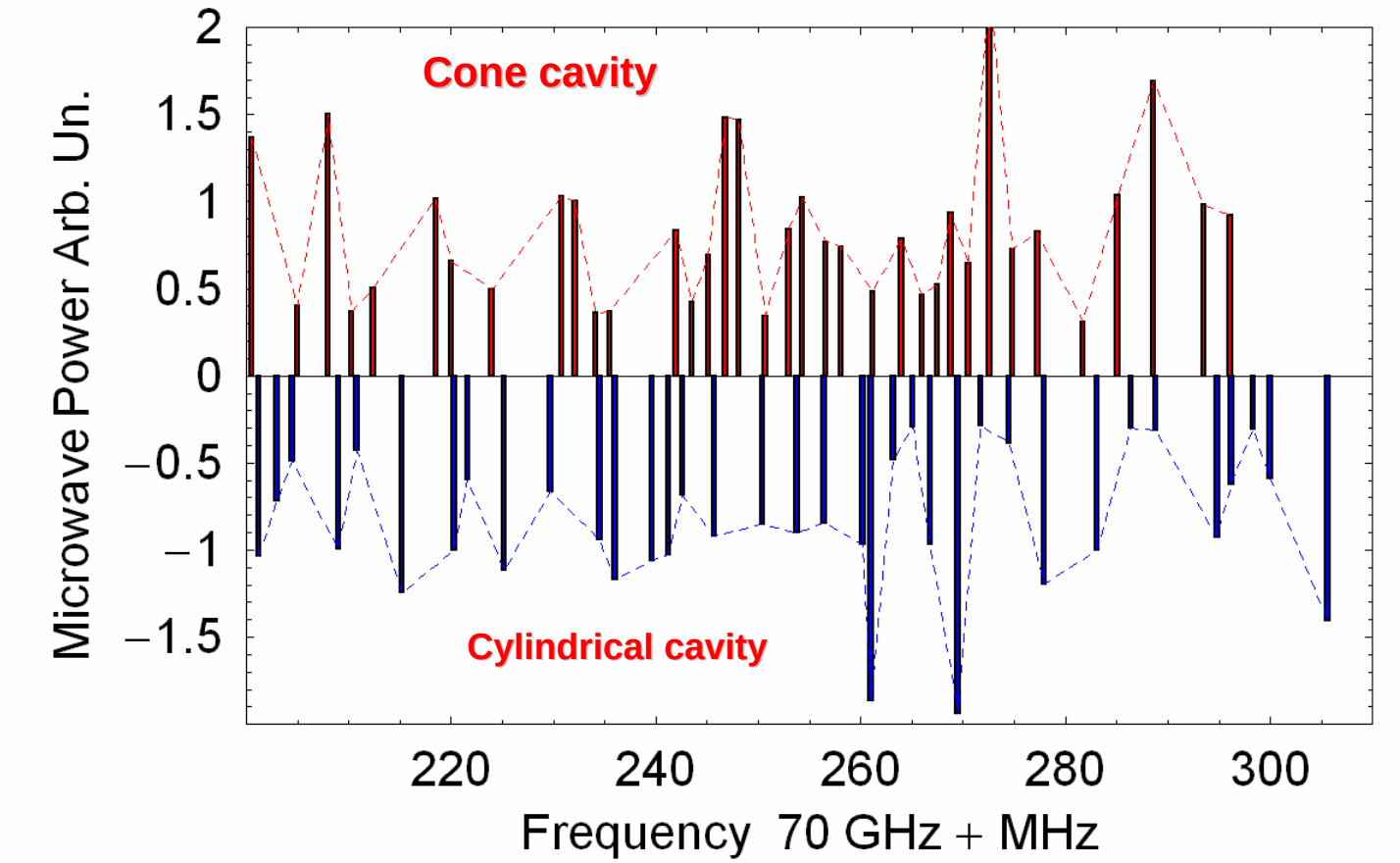




Radial distribution of MW-power



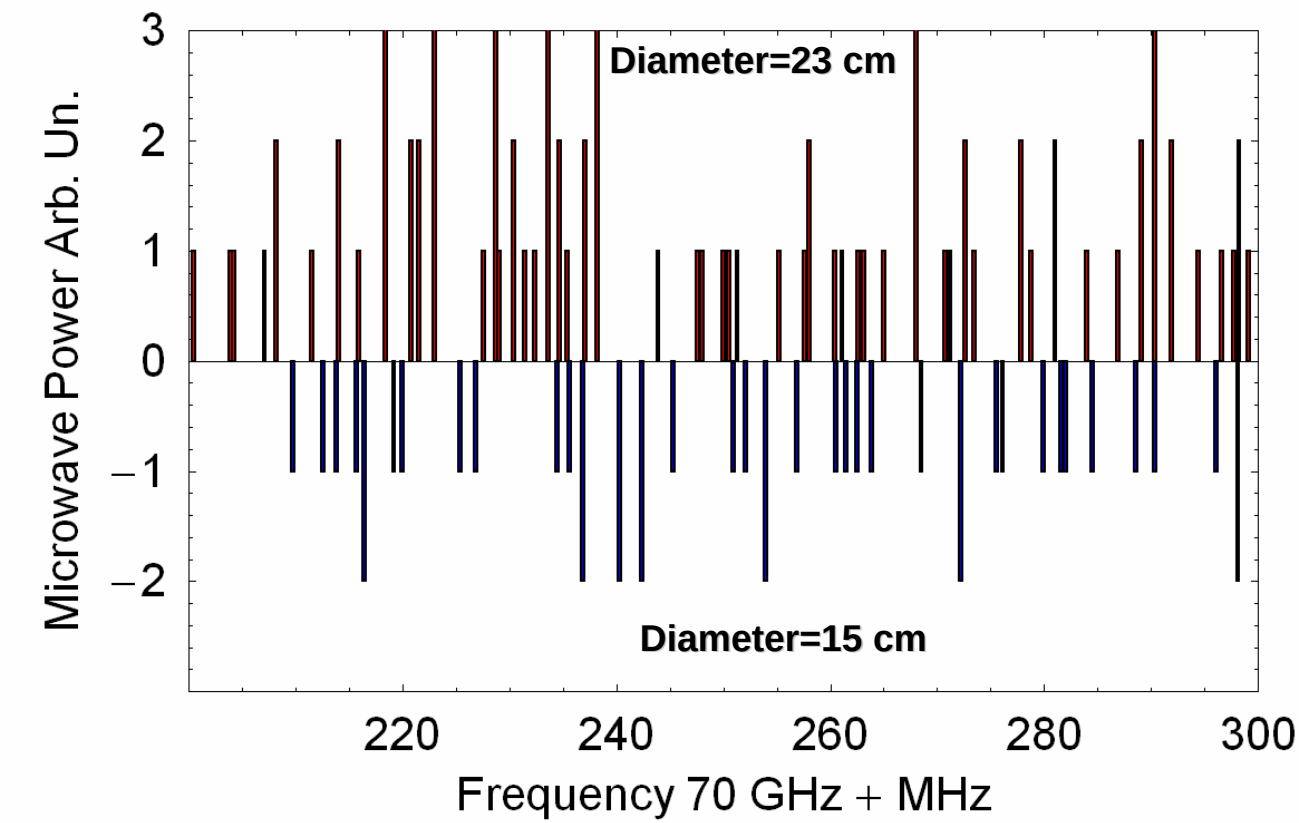
Comparison of spectrum in the cone and in the cylindrical cavities



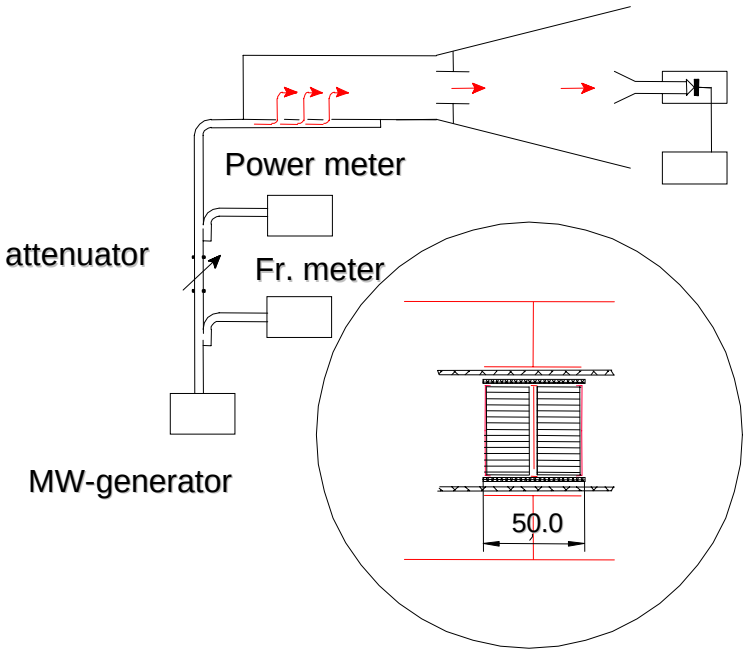
Calculation of the E and M modes in the 23 and 15 cm cavities

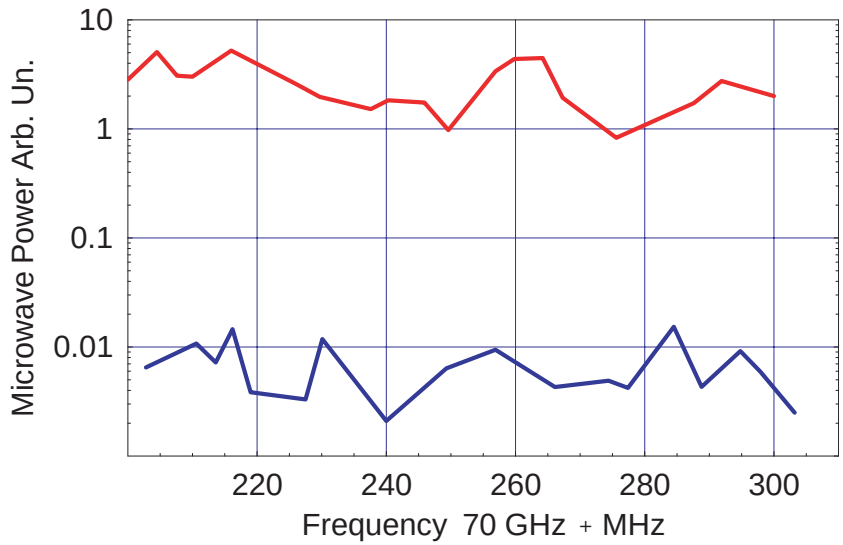
$$\nu_E = \frac{3\cdot 10^{10}}{2\pi}\sqrt{\left(\frac{p\pi}{l}\right)^2 + \left(\frac{\eta_{mn}}{R_0}\right)^2}$$

$$\nu_M = \frac{3\cdot 10^{10}}{2\pi}\sqrt{\left(\frac{p\pi}{l}\right)^2 + \left(\frac{\mu_{mn}}{R_0}\right)^2}$$

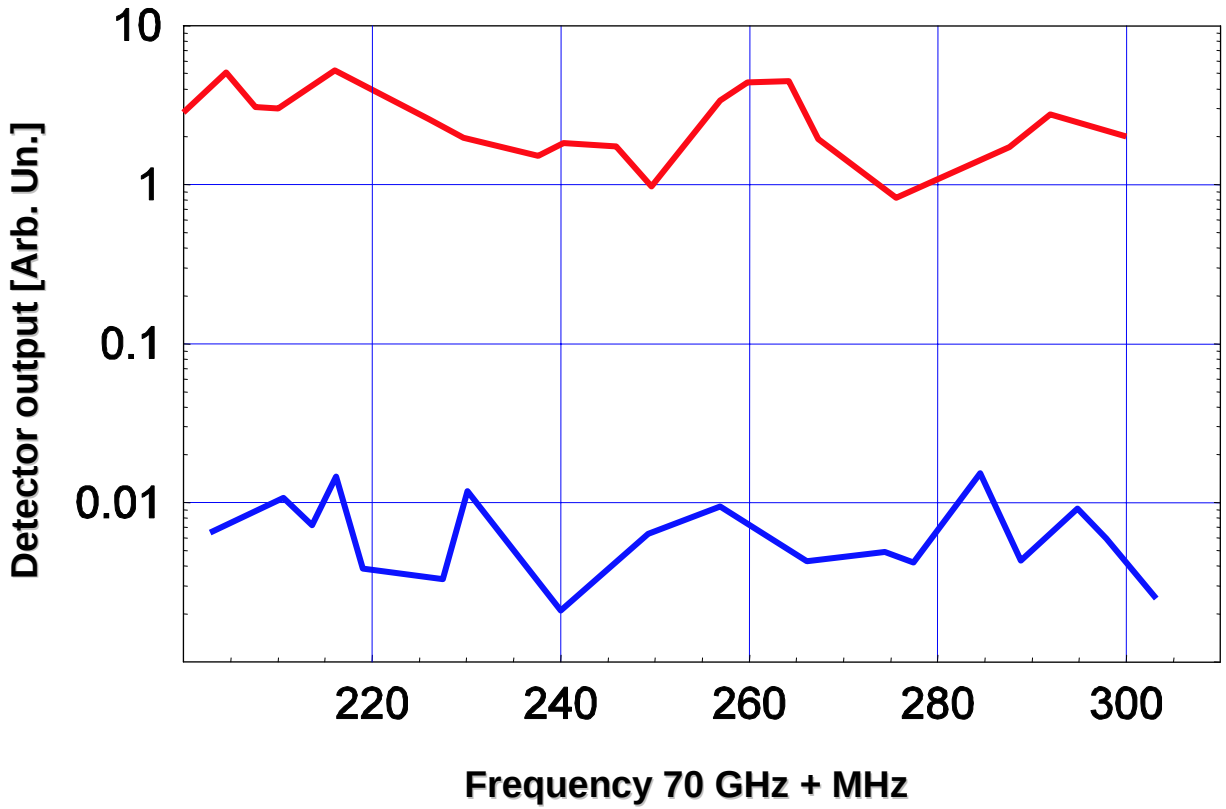


Stopper Attenuation measurements





Stopper performances



Thank you