

TRANSVERSE RESISTIVE-WALL IMPEDANCE FOR 1 OR 2 LAYERS DERIVED FROM ZOTTER'S FORMALISM

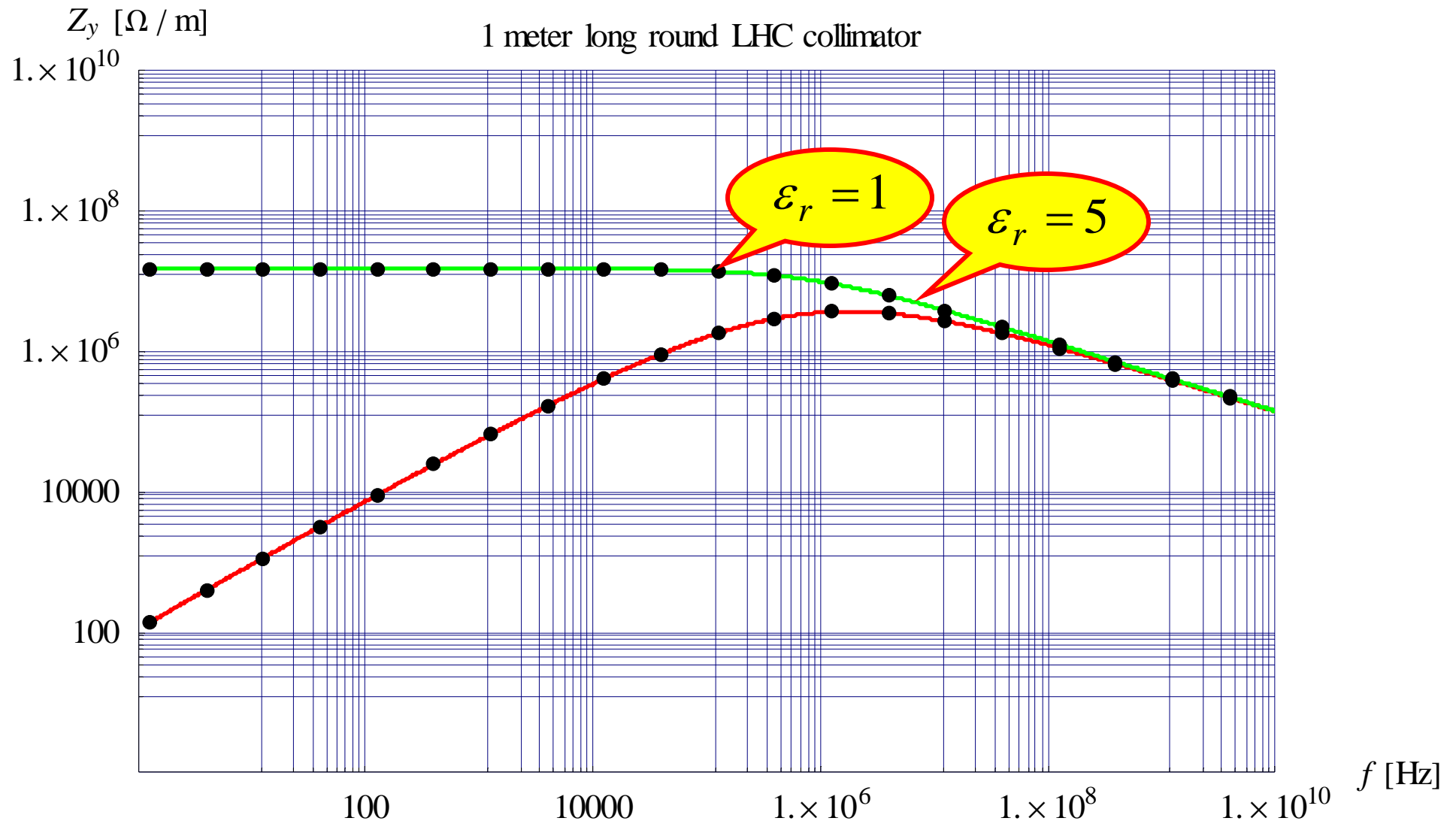
E. Métral

- ◆ Application to the case of a LHC graphite collimator (without or with coating) for $\epsilon_r = 5$ given by A. Grudiev last meeting (in fact 3 to 5)
- ◆ Comparison with the case $\epsilon_r = 1$ used until now

$$b = 2 \text{ mm}$$

$$\rho_C = 14 \mu\Omega\text{m}$$

$$d_C = \infty$$



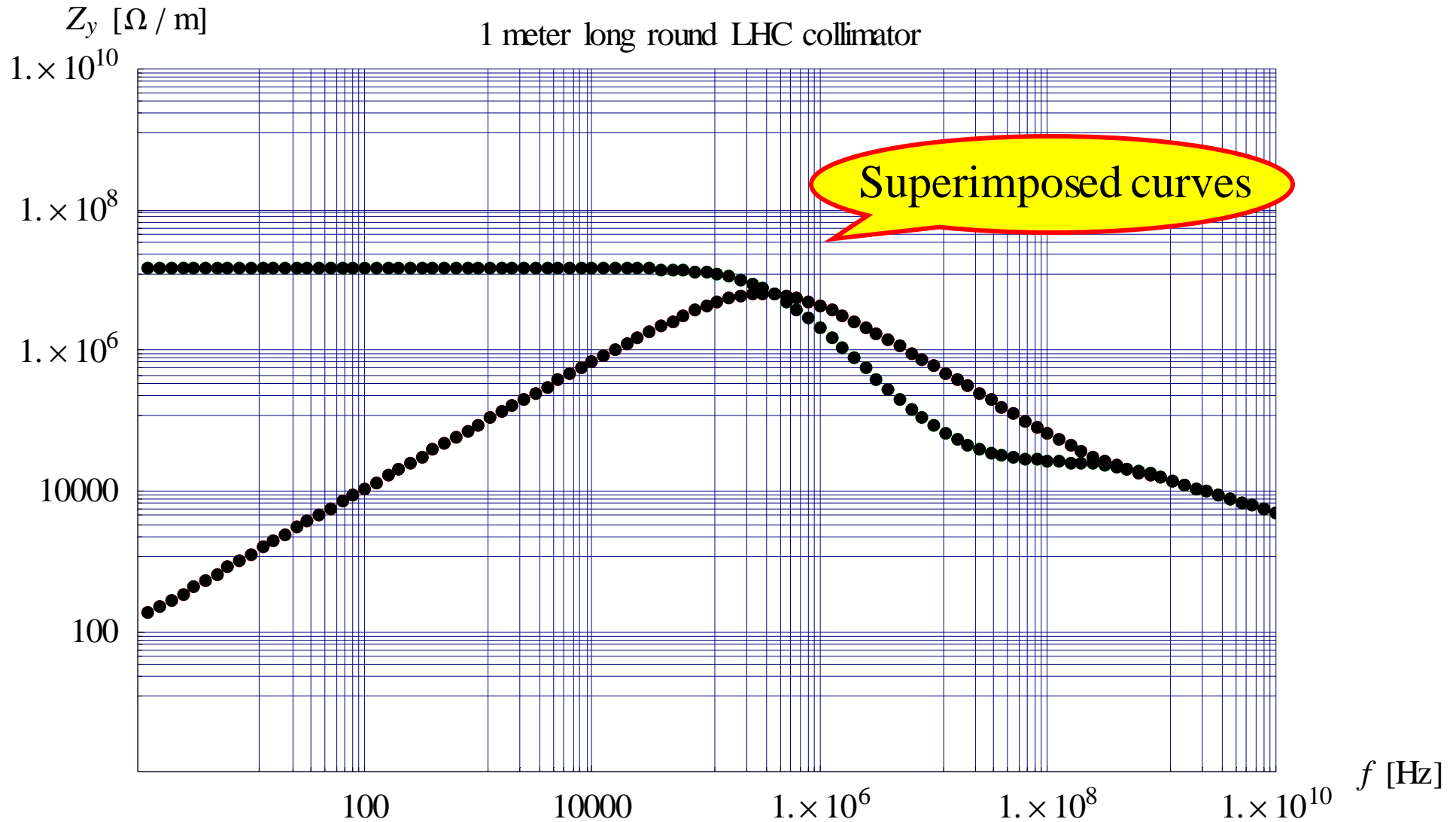
$$b = 2 \text{ mm}$$

$$\rho_C = 14 \text{ } \mu\Omega\text{m}$$

$$\rho_{Cu} = 17 \text{ n}\Omega\text{m}$$

$$d_{Cu} = 5 \text{ } \mu\text{m}$$

$$d_C = \infty$$



CONCLUSION

- ◆ **No difference between the 2 cases \implies All the results obtained until now are still valid !**