

TRANSVERSE RESISTIVE-WALL IMPEDANCE FOR (ANY) 2 LAYERS DERIVED FROM ZOTTER'S FORMALISM

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- ◆ I solved it numerically \Rightarrow To be checked with LAWAT2000's results
- ◆ Application to the case of a copper coated LHC graphite collimator
- ◆ Comparison with Burov-Lebedev

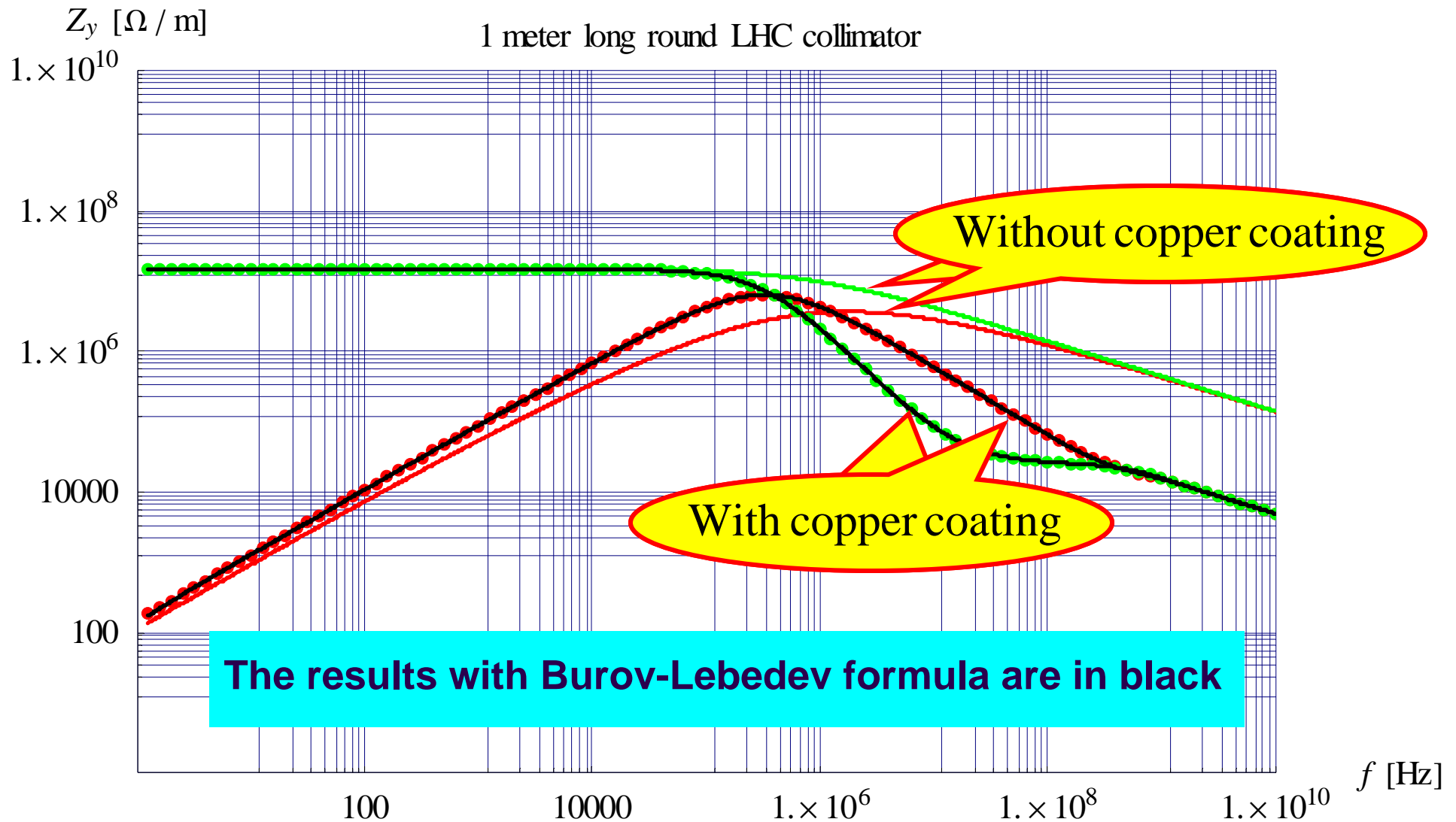
$$b = 2 \text{ mm}$$

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

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

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

$$d_C = \infty$$



CONCLUSION

- ◆ Found in a previous meeting (28/01/05) : **Very good agreement (loglog plot) between Zotter's formalism and Burov-Lebedev in the case of a LHC graphite collimator ($\ll 1\%$)**
- ◆ Found here : **Very good agreement (loglog plot) between Zotter's formalism and Burov-Lebedev in the case of a copper coated (5 μm) LHC graphite collimator ($\ll 1\%$)**
- ◆ The only (small, i.e. **$\sim 30\%$ at max**) difference found until now between Zotter and Burov-Lebedev is for the SPS MKE kickers (04/02/05) \Rightarrow **Complex permeability...**