Quartz, Sapphire: Index studies

C-J. Naïm

Center for Frontiers in Nuclear Science

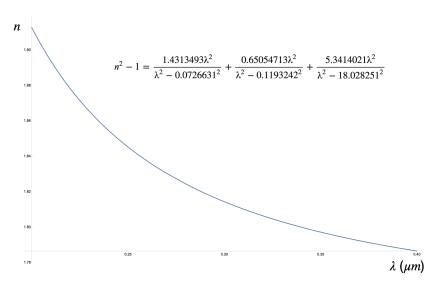
pfRICH meeting





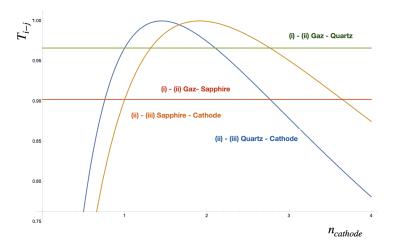
Dispersion formula

Optical constants of CRYSTALS



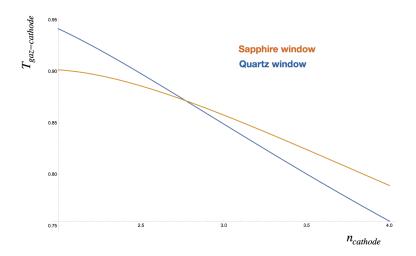
Transmission rate: quartz vs sapphire I

Transmission rates



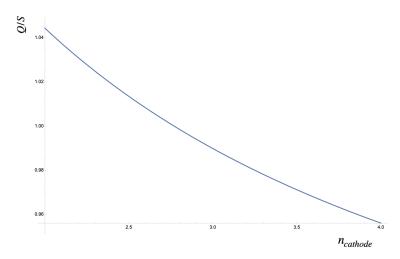
Transmission rate: quartz vs sapphire II

Transmission rates between gaz to cathode



Transmission rate: quartz vs sapphire III

Ratio of transmission rates between gaz to cathode

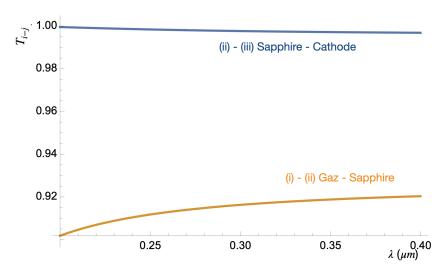


 \bullet $\pm 5\%$ maximum of difference between Quartz and Sapphire window.

CFNS pfRICH meeting 5/7

Transmission rate vs λ I

n of the cathode = 2



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Transmission rate vs λ II

n of the cathode = 4

