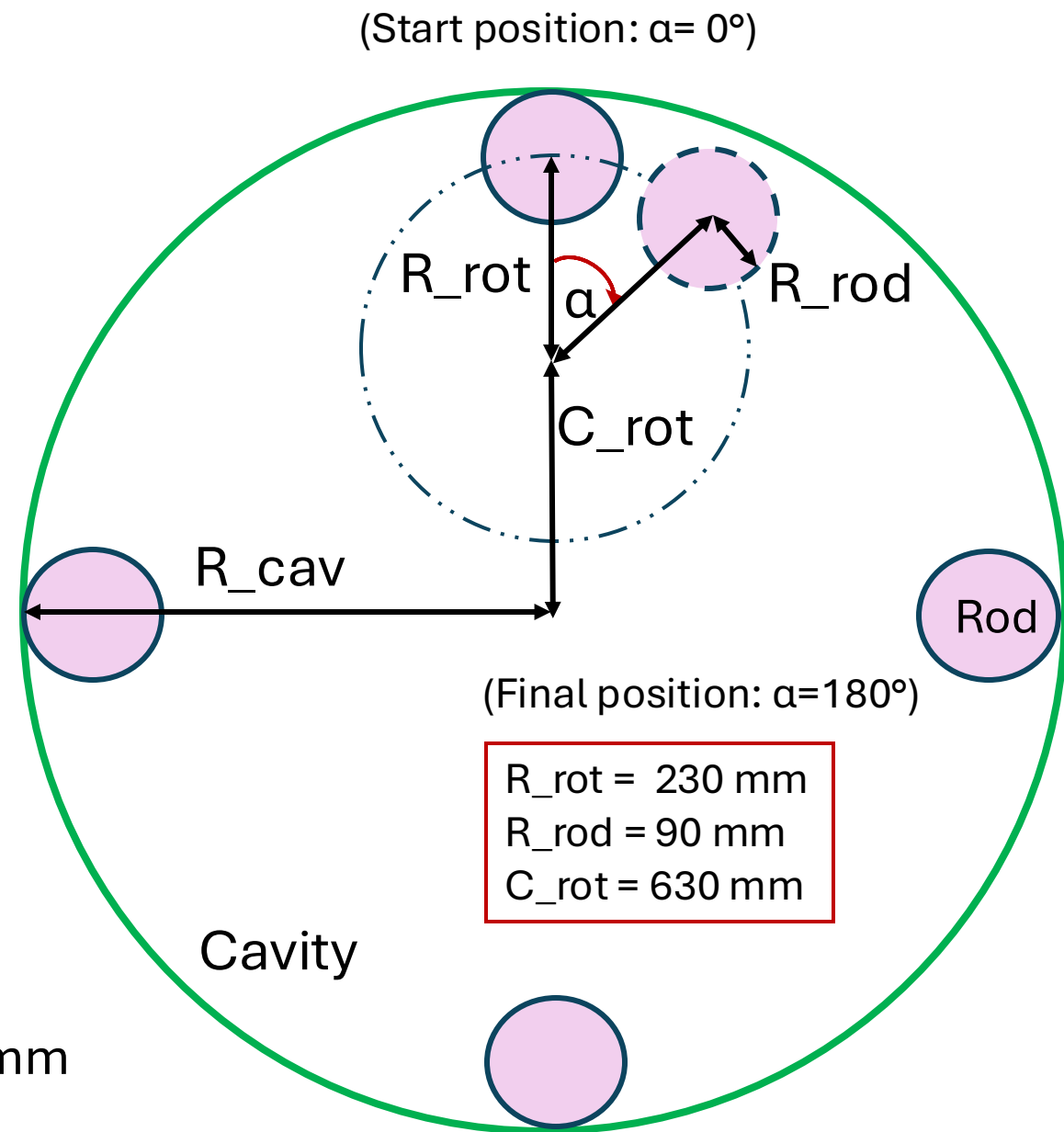
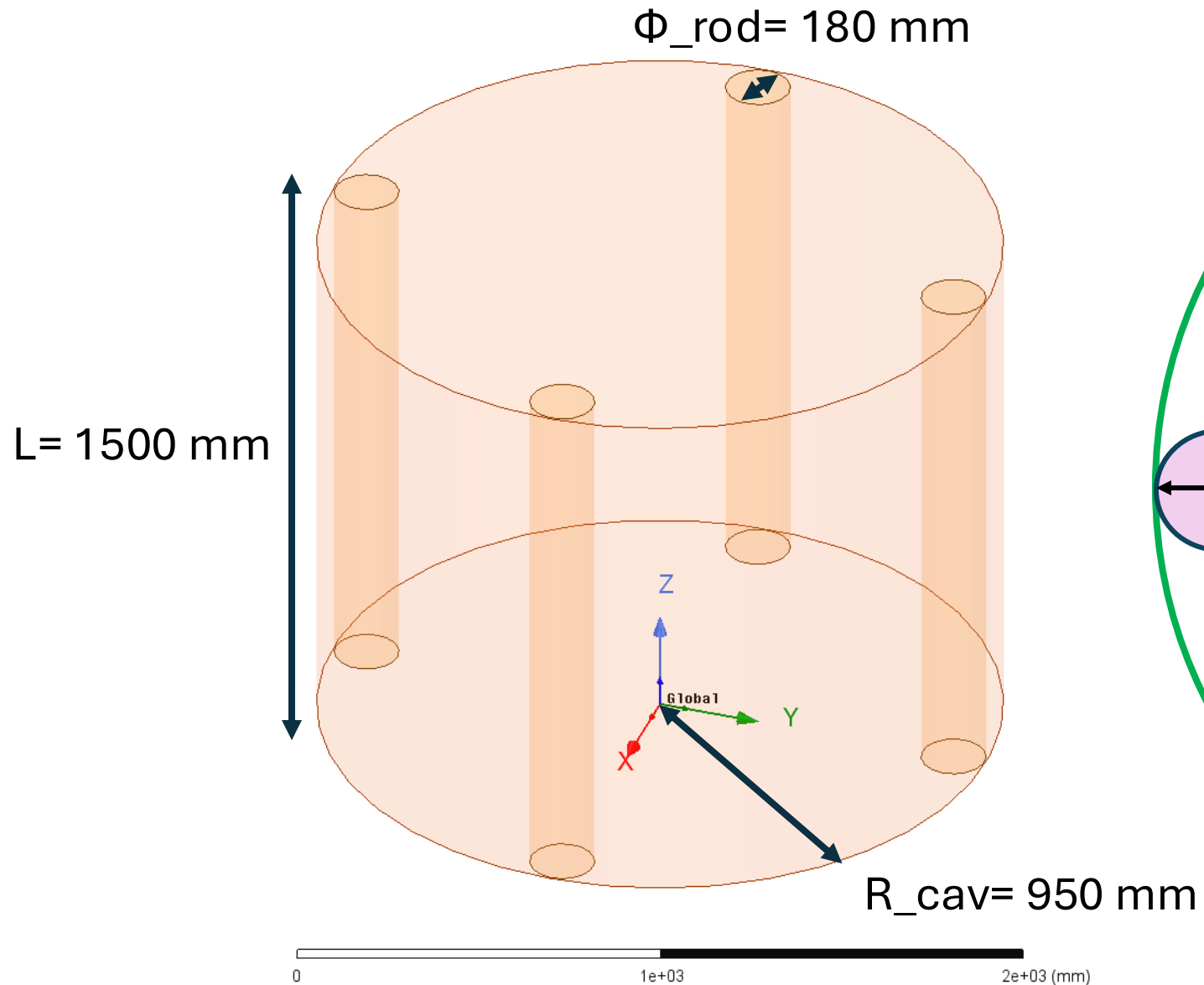


FLASH: New Cavity Sizes



FLASH 4 RODS: Main dimensions

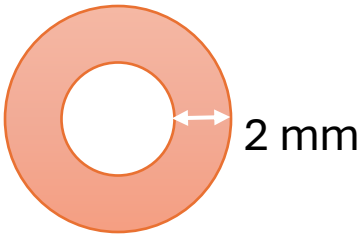
4 RODS:

Rcav = 950 mm
Lcav = 1500 mm
Rrod = 90 mm

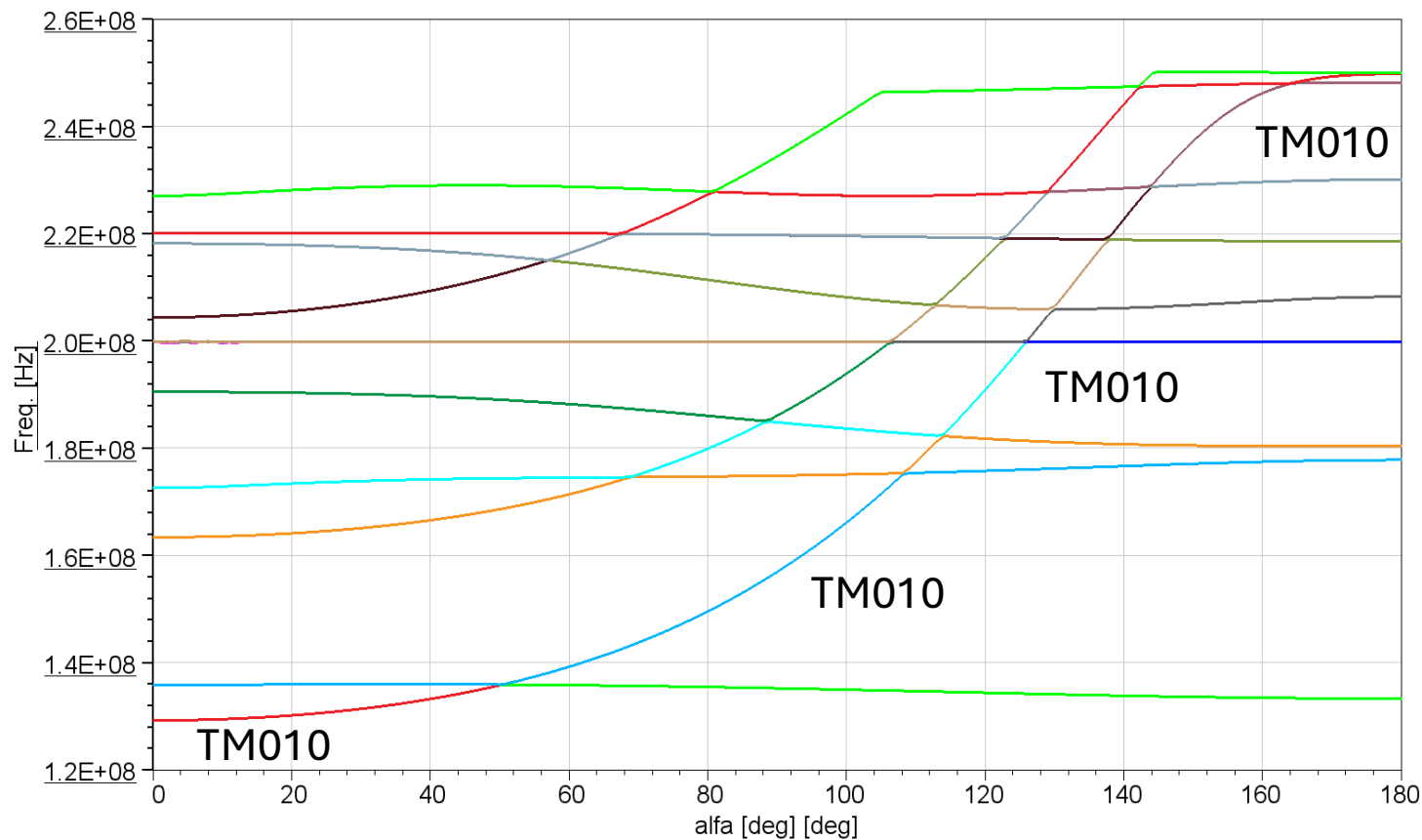


4 RODS:

Freq. TM010 = 130 MHz
Tuning Range = 120 MHz
Tuning % = 48%



Es. Copper Rod:
Weight single Rod R90:
16 kg (64 kg – 4 rods)



HFGW EM Mode → TE mode

Mode	Resonant Frequency [MHz] – 4 RODS	Q ₀ factor (@4°K) 4 RODS
TE111	136	450e3
TE112	220	510e3
TE211	190.5	483e3
TE011	218.2	1.05e6
TE212	257.4	646e3

HFGW EM Mode → TM mode

Mode	Resonant Frequency [MHz] – 4 RODS	Q ₀ factor (@4°K) 4 RODS
TM010	129	595e3
TM011	163.5	505e3
TM012	238	610e3
TM110	204.4	765e3
TM111	227.5	605e3
TM112	286	678e3
TM210	259.3	950e3
TM211	278	720e3
TM212	350	702e3
TM020	290.2	953e3