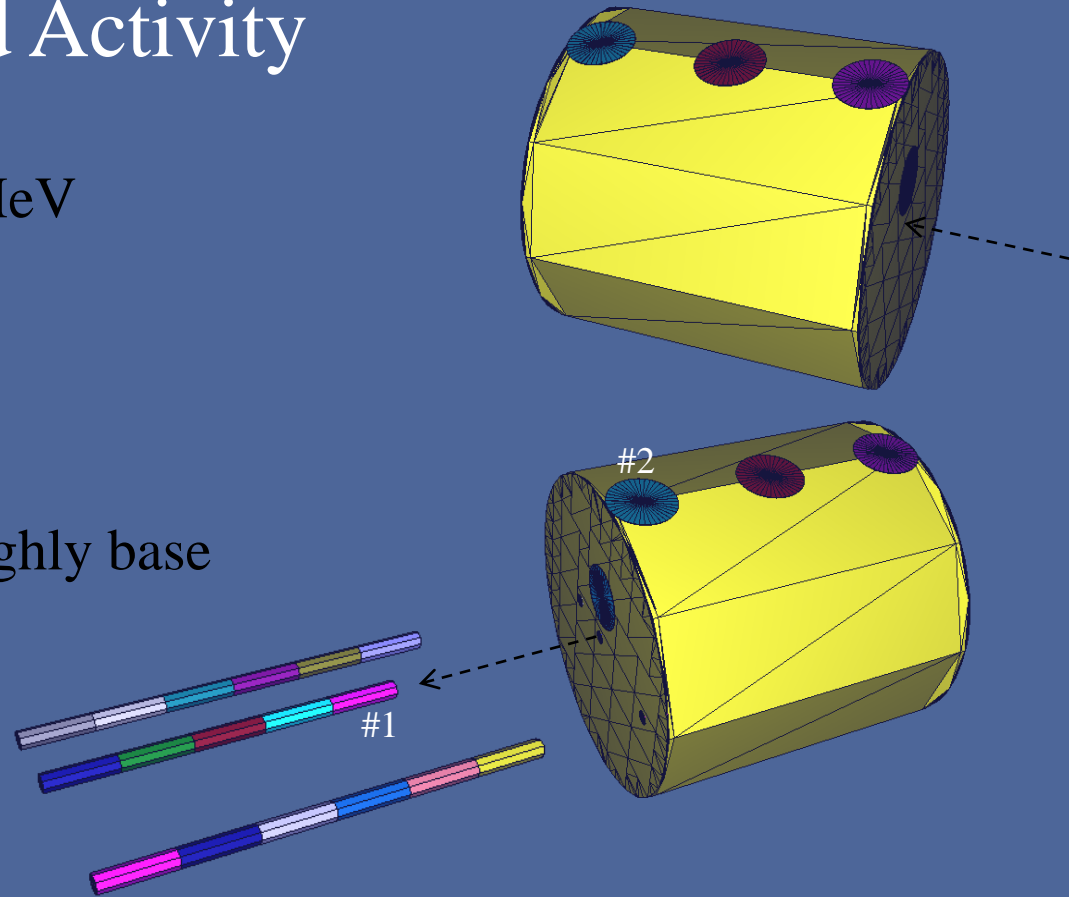


Predicted Activity

- Electron beam energy = 45 MeV
- Beam power = 100 W
- Irradiation time = 10 m
- Cell #1 has the highest flux
- Cell#2 has the lowest flux
- Total activity is estimated roughly base on 20 samples



	Isotope		Activity (cell#1)	Activity (cell#2)	Total Activity
Al	(γ, α) Na-22	$T_{1/2} = 2.6$ a	2E-5 uCi	2E-10 uCi	3.515E-3 uCi
	(n, α) Na-24	$T_{1/2} = 15.03$ h	3.3E-4 uCi	1.5E-6 uCi	
Cu	(γ, n) Cu-64	$T_{1/2} = 12.7$ h	20 uCi	3.3E-4 uCi	200.033 uCi
	(n, p) Ni-65	$T_{1/2} = 2.52$ h	3E-3 uCi	1E-6 uCi	
Au	(γ, n) Au-196	$T_{1/2} = 6.2$ d	7 uCi	1E-5 uCi	70 uCi + ?