

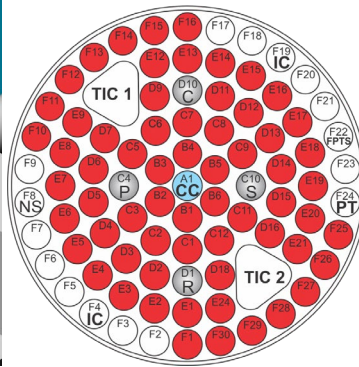
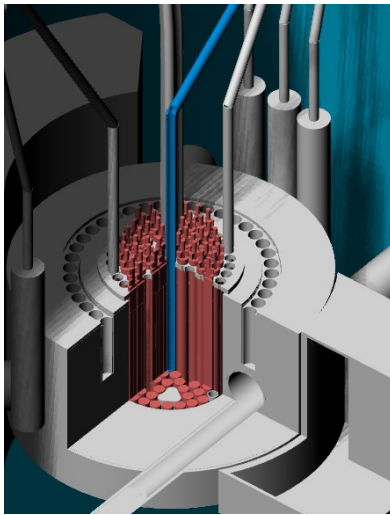
CENTRAL IRRADIATION CHANNEL

Features:

- The dry tube can be replaced by a flooded tube.
- 3 cm in diameter, 20 cm high.
- Possible online irradiation (sample on cables).

Properties at 250 kW:

Neutron flux [$\text{cm}^{-2}\text{s}^{-1}$]	Calculated		Measured
	Bottom	Top	Bottom
Thermal (< 0.625 eV)	3.96×10^{12}	3.68×10^{12}	
Epithermal ($0.625 - 10^5$ eV)	5.67×10^{12}	5.66×10^{12}	
Fast ($> 10^5$ eV)	6.63×10^{12}	6.64×10^{12}	
1 MeV equivalent	6.25×10^{12}	6.27×10^{12}	6.74×10^{12}
Total	1.60×10^{13}	1.60×10^{13}	



- Fuel Element 20 % ^{235}U
- Control Rods
- NS Neutron Source
- IC Irradiation Channel
- FPTS Fast Pneumatic Transfer System
- PT Pneumatic Transfer System
- CC Central Irradiation Channel
- TIC Triangular Irradiation Channel

