

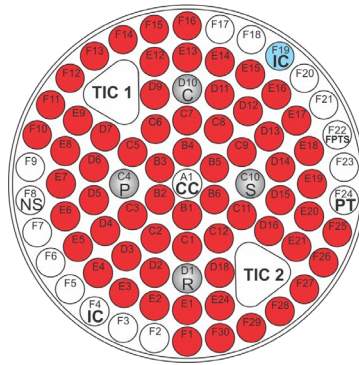
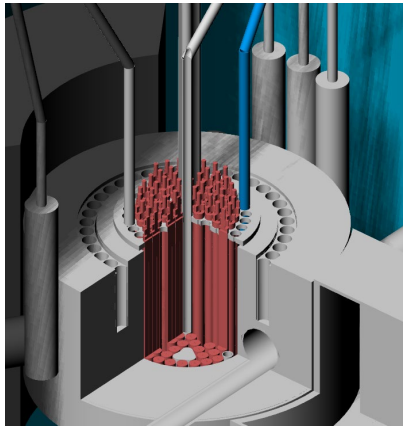
F 19 IRRADIATION CHANNEL

Features:

- Dry tube, 3 cm in diameter, 20 cm high.
- Possible online irradiation (sample on cables).
- Very well characterized for 1 MeV equivalent neutron flux.

Properties at 250 kW:

Neutron flux [$\text{cm}^{-2}\text{s}^{-1}$]	Calculated	Measured
Thermal (< 0.625 eV)	3.19×10^{12}	
Epithermal (0.625 – 10^5 eV)	1.80×10^{12}	
Fast (> 10^5 eV)	1.75×10^{12}	
1 MeV equivalent	1.65×10^{12}	1.62×10^{12}
Total	6.73×10^{12}	



- 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

