

Table 1 Irradiation Condition of HAFMs

Irradiation Position	HAFM ^{*1}	Integrated Reactor Power [kWh]	Total Neutron Fluence [10^{15} n/cm ²]
Glory Hole (Gy)	93 % Enriched Boron 1 mg	192	313
Fast Column (FC)	93 % Enriched Boron 1 mg	239 ~ 269	2.08 ~ 2.54
Experimental Hole through the Blanket (BLK)	Enriched Boron 40 mg	93.2	33.7 ~ 53.9
	Beryllium 100 mg	193	72.9 ~ 102

^{*1} HAFM materials are enclosed in vanadium capsules.

Table 2 Comparison of Measured and Calculated He Production

HAFM	Irradiation Position	Measurement / Calculation	
		PNC	Kyushu Univ.
Enriched Boron	Glory Hole	1.03±0.03	1.05±0.05
	Fast Column	0.98±0.05	1.06±0.07
	Experimental Hole through the Blanket	1.00±0.05	0.95±0.08
Beryllium		0.96±0.04	_____

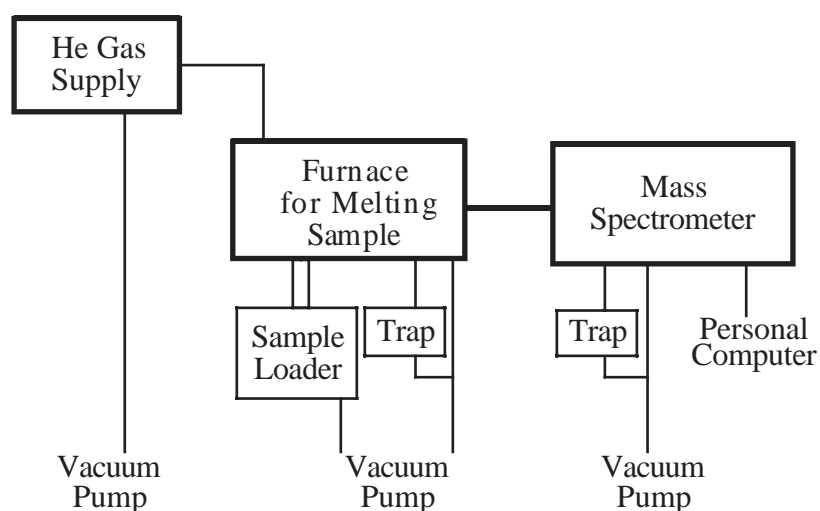


Fig. 1 HAFM Measurement System