

1-MW 出力時における J-PARC 核破砕中性子源性能の公称値

Type of Moderator	Number of Beam Ports	Time-integrated Thermal Neutron Flux [n/s.cm ²] #	Peak Neutron Flux at 10 meV [n/eV.s.cm ²] #	Pulse Width in FWHM at 10 meV [us]
Coupled Moderator	11	4.6 x 10 ⁸	6.0 x 10 ¹²	92
Decoupled Moderator	6	0.95 x 10 ⁸	3.0 x 10 ¹²	33
Poisoned Moderator (Thicker Side)	3	0.65 x 10 ⁸	2.4 x 10 ¹²	22
Poisoned Moderator (Thinner Side)	3	0.38 x 10 ⁸	1.4 x 10 ¹²	14

Values at 10 m from the moderators