

Japanese High Priority Request List (Revised Version in April, 1999)

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Request ID	Reaction	Quantity	Energy Range	Accuracy	Purpose	Priority/Deadline	Ref.	Requester
4.A.13 4.A.14	Ni(n, γ)	Cross Sections	0.6-1 MeV 1-10 MeV	10% 50%	FISSION REACTORS Discrepancy < 1 MeV: 20%(exp. Data) <10 MeV: 100%(eval. Data)	Withdrawn		T. Fukahori*5 (JAERI)
4.A.18	Si(n,p)(n, α)	Cross Sections	9-20 MeV	10%	FISSION REACTORS (shielding)	2		N. Yamano*3 (SAE)
4.A.29	Fe-56(n,n')	Cross Sections	2-5 MeV	10%	FISSION REACTORS (shielding)	Withdrawn		N. Yamano*3 (SAE)
4.A.34-41	W-182,183, 184, 186(n,n')(n,2n)	Cross Sections	0.05-2 MeV 2-20 MeV	10% 50%	FISSION REACTORS (to solve eval. discrepancy)	Withdrawn		M. Kawai*4 (JAERI)
4.D.3	Xe-131(n, γ)	Cross Sections	4-500 keV	20%	FISSION REACTORS (burn-up)	2		H. Matsunobu*6 (Data Eng. Co.)
4.D.5-6	Cs-135(n, γ)	Cross Sections	0.1-500 keV 10 meV - 100 keV	10% 10%	FISSION REACTORS (burn-up) (Res. param. Determination)	1 1		H. Matsunobu*6 (Data Eng. Co.)
4.D.10	Sm-149(n, γ)	Cross Sections	25 keV	5%	FISSION REACTORS (burn-up)	Withdrawn		H. Matsunobu*6 (Data Eng. Co.)
4.D.11	Sm-151(n, γ)	Cross Sections	0.1-500 keV	10%	FISSION REACTORS (burn-up)	2		H. Matsunobu*6 (Data Eng. Co.)

Request ID	Reaction	Quantity	Energy Range	Accuracy	Purpose	Priority/Deadline	Ref.	Requester
4.F.2	Am-243(n,f)	Cross Sections	10 - 20 MeV	20%	TRANSMUTATION	1		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
4.F.3	Np-237(n, f)	n Spectra	- 10 MeV 10 - 20 MeV	10% 30%	TRANSMUTATION	1	1,2)	T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
4.F.4	Pu-238(n, f)	n Spectra	- 10 MeV 10 - 20 MeV	10% 30%	TRANSMUTATION	1		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
4.F.5	Am-241(n, f)	n Spectra	- 10 MeV 10 - 20 MeV	10% 30%	TRANSMUTATION	1	1)	T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
4.F.6	Am-243(n, f)	n Spectra	- 10 MeV 10 - 20 MeV	10% 30%	TRANSMUTATION	1	1)	T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
4.F.7	Cm-244(n, f)	n Spectra	- 10 MeV 10 - 20 MeV	10% 30%	TRANSMUTATION	1		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
4.F.10	Pu-238(n, γ)	Cross Sections	10 - 20 MeV	20%	TRANSMUTATION	1		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
4.F.20	Np-237(n, n')	Cross Sections	- 10 MeV 10 - 20 MeV	20% 30%	TRANSMUTATION	1		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
4.F.21	Pu-238(n, n')	Cross Sections	- 10 MeV 10 - 20 MeV	20% 30%	TRANSMUTATION	1		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
4.F.23	Am-241(n, n')	Cross Sections	- 10 MeV 10 - 20 MeV	20% 30%	TRANSMUTATION	1		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
4.F.27	Pu-238(n, 2n)	Cross Sections	threshold -20 MeV	20%	TRANSMUTATION	1		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
4.F.28	Am-241(n, 2n)	Cross Sections	threshold -20 MeV	20%	TRANSMUTATION	1		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
4.F.29	Am-243(n, 2n)	Cross Sections	threshold -20 MeV	20%	TRANSMUTATION	1		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
4.F.32	Np-237(n, f)	Delayed n Yields	Fast	10%	TRANSMUTATION	1		K. Tsujimoto ^{*7} , T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)

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4.F.33	Pu-238(n, f)	Delayed n Yields	Fast	10%	TRANSMUTATION	1		K. Tsujimoto ^{*7} , T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
4.F.35	Cm-244(n, f)	Delayed n Spectra	Fast	20%	TRANSMUTATION	1		K. Tsujimoto ^{*7} , T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
4.G.9	U-233(n,f)	Mass/charge yield to A=102-108			FP Decay Heat	2		T. Yoshida ^{*12} (Musashi Institute of Technol.)
4.G.10	Cm-244(n, f)	FP Mass Yields	thermal - 20 MeV	20%	TRANSMUTATION	2		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
4.H.20	Rb-89	Level scheme + beta-feeding rate, or gamma-energy			FP Decay Heat	3		T. Yoshida ^{*12} (Musashi Institute of Technol.)
4.H.21	Y-94	Level scheme + beta-feeding rate, or gamma-energy			FP Decay Heat	2		T. Yoshida ^{*12} (Musashi Institute of Technol.)
4.H.22	Y-95	Level scheme + beta-feeding rate, or gamma-energy			FP Decay Heat	2		T. Yoshida ^{*12} (Musashi Institute of Technol.)
4.H.23	Mo-101	Level scheme + beta-feeding rate, or gamma-energy			FP Decay Heat	3		T. Yoshida ^{*12} (Musashi Institute of Technol.)
4.H.24	Mo-102	Level scheme + beta-feeding rate, or gamma-energy			FP Decay Heat	2		T. Yoshida ^{*12} (Musashi Institute of Technol.)

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4.H.25	Tc-101	Level scheme + beta-feeding rate, or gamma-energy			FP Decay Heat	3		T. Yoshida ^{*12} (Musashi Institute of Technol.)
4.H.26	Tc-102	Level scheme + beta-feeding rate, or gamma-energy			FP Decay Heat	1		T. Yoshida ^{*12} (Musashi Institute of Technol.)
4.H.27	Tc-104	Level scheme + beta-feeding rate, or gamma-energy			FP Decay Heat	1		T. Yoshida ^{*12} (Musashi Institute of Technol.)
4.H.28	Tc-105	Level scheme + beta-feeding rate, or gamma-energy			FP Decay Heat	1		T. Yoshida ^{*12} (Musashi Institute of Technol.)
4.H.29	Xe-137	Level scheme + beta-feeding rate, or gamma-energy			FP Decay Heat	2		T. Yoshida ^{*12} (Musashi Institute of Technol.)
4.H.30	Xe-138	Level scheme + beta-feeding rate, or gamma-energy			FP Decay Heat	2		T. Yoshida ^{*12} (Musashi Institute of Technol.)
4.H.31	Cs-138	Level scheme + beta-feeding rate, or gamma-energy			FP Decay Heat	2		T. Yoshida ^{*12} (Musashi Institute of Technol.)
4.H.32	Cs-139	Level scheme + beta-feeding rate, or gamma-energy			FP Decay Heat	2		T. Yoshida ^{*12} (Musashi Institute of Technol.)

Request ID	Reaction	Quantity	Energy Range	Accuracy	Purpose	Priority/Deadline	Ref.	Requester
4.H.33	Ba-141	Level scheme + beta-feeding rate, or gamma-energy			FP Decay Heat	2		T. Yoshida ^{*12} (Musashi Institute of Technol.)
4.H.34	La-143	Level scheme + beta-feeding rate, or gamma-energy			FP Decay Heat	3		T. Yoshida ^{*12} (Musashi Institute of Technol.)
4.H.37	Np-237(n, f)	Spontaneous Fission Half-life	-20 MeV	5%	TRANSMUTATION	withdrawn	3)	T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
4.H.38	Pu-238(n, f)	Spontaneous Fission Half-life	-20 MeV	5%	TRANSMUTATION	withdrawn		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
7.A.1	Cu (p,xnyp)(n,xnyp)	Spectra	20-1500 MeV	50%	TRANSMUTATION (Accelerator Structural Material)	2		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
7.A.2	Nb (p,xnyp)(n,xnyp)	Spectra	20-1500 MeV	50%	TRANSMUTATION (Accelerator Structural Material)	2		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
7.A.3	N (p,xnyp)(n,xnyp)	Spectra	20-1500 MeV	50%	TRANSMUTATION (Fuel Material)	1		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
7.A.4	Na (p,xnyp)(n,xnyp)	Spectra	20-1500 MeV	50%	TRANSMUTATION (Coolant Material)	1		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
7.A.5	Cl (p,xnyp)(n,xnyp)	Spectra	20-1500 MeV	50%	TRANSMUTATION (Fuel Material)	2		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
7.A.6	Zr (p,xnyp)(n,xnyp)	Spectra	20-1500 MeV	50%	TRANSMUTATION (Target Material)	2		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)

Request ID	Reaction	Quantity	Energy Range	Accuracy	Purpose	Priority/Deadline	Ref.	Requester
7.A.7	Mo (p,xnyp)(n,xnyp)	Spectra	20-1500 MeV	50%	TRANSMUTATION (Structural Material)	1		T. Sasa ^{*1} , T. Takizuka ^{**2} (JAERI)
7.A.8	Tc (p,xnyp)(n,xnyp)	Spectra	20-1500 MeV	50%	TRANSMUTATION (Long-lived FP)	2		T. Sasa ^{*1} , T. Takizuka ^{**2} (JAERI)
7.A.9	I (p,xnyp)(n,xnyp)	Spectra	20-1500 MeV	50%	TRANSMUTATION (Long-lived FP)	2		T. Sasa ^{*1} , T. Takizuka ^{**2} (JAERI)
7.A.10	Ta (p,xnyp)(n,xnyp)	Spectra, Residual Nuclide Yield	20-1500 MeV	50%	NEUTRON SCATTERING (Target Material)	1		M. Teshigawara ^{*8} (JAERI)
7.A.11	W (p,xnyp)(n,xnyp)	Spectra, Residual Nuclide Yield	20-1500 MeV	50%	TRANSMUTATION (Target Material)	1		T. Sasa ^{*1} , T. Takizuka ^{**2} (JAERI)
7.A.12	Re (p,xnyp)(n,xnyp)	Spectra	20-1500 MeV	50%	TRANSMUTATION (Target Material)	withdrawn		T. Sasa ^{*1} , T. Takizuka ^{**2} (JAERI)
7.A.13	Hg (p,xnyp)(n,xnyp)	Spectra, Residual Nuclide Yield	20-1500 MeV	50%	NEUTRON SCATTERING (Target Material)	1		M. Teshigawara ^{*8} (JAERI)
7.A.14	Pb (p,xnyp)(n,xnyp)	Spectra, Residual Nuclide Yield	20-1500 MeV	50%	TRANSMUTATION (Target Material)	1		T. Sasa ^{*1} , T. Takizuka ^{**2} (JAERI)
7.A.15	Bi (p,xnyp)(n,xnyp)	Spectra, Residual Nuclide Yield	20-1500 MeV	50%	TRANSMUTATION (Target Material)	1		T. Sasa ^{*1} , T. Takizuka ^{**2} (JAERI)
7.A.16	Np (p,xnyp)(n,xnyp)	Spectra	20-1500 MeV	50%	TRANSMUTATION (Target Material)	1		T. Sasa ^{*1} , T. Takizuka ^{**2} (JAERI)
7.A.17	Pu (p,xnyp)(n,xnyp)	Spectra	20-1500 MeV	50%	TRANSMUTATION (Target Material)	1		T. Sasa ^{*1} , T. Takizuka ^{**2} (JAERI)
7.A.18	Am (p,xnyp)(n,xnyp)	Spectra	20-1500 MeV	50%	TRANSMUTATION (Target Material)	1		T. Sasa ^{*1} , T. Takizuka ^{**2} (JAERI)

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7.A.19	Cm (p,xnyp)(n,xnyp)	Spectra	20-1500 MeV	50%	TRANSMUTATION (Target Material)	2		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
7.A.20	Fe-56(p,xnyp)	Spectra	0.8-1.5 GeV	50%	TRANSMUTATION (Beam Window Material: HT-9)	1		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
7.A.21	Ni-58(p,xnyp)	Spectra	0.8-1.5 GeV	50%	TRANSMUTATION (Beam Window Material: HT-9)	1		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
7.A.22	Mn-55(p,xnyp)	Spectra	0.8-1.5 GeV	50%	TRANSMUTATION (Beam Window Material: HT-9)	1		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
7.A.23	Cr-52(p,xnyp)	Spectra	0.8-1.5 GeV	50%	TRANSMUTATION (Beam Window Material: HT-9)	1		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
7.A.24	Mo-96(p,xnyp)	Spectra	0.8-1.5 GeV	50%	TRANSMUTATION (Beam Window Material: HT-9)	1		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
7.A.25	Si(p,xnyp)	Spectra	0.8-1.5 GeV	50%	TRANSMUTATION (Beam Window Material: ceramics)	2		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
7.A.26	O(p,xnyp)	Spectra	0.8-1.5 GeV	50%	TRANSMUTATION (Beam Window Material: ceramics)	2		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
7.A.27	Ti(p,xnyp)	Spectra	0.8-1.5 GeV	50%	TRANSMUTATION (Beam Window Material: ceramics)	2		T. Sasa ^{*1} , T. Takizuka ^{*2} , M. Teshigawara ^{*8} (JAERI)
7.A.28	Al(p,xnyp)	Spectra, Activation	0.8-1.5 GeV	50%	TRANSMUTATION (Beam Window Material: ceramics)	2		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
7.A.29	Ba(p,xnyp)	Spectra	0.8-1.5 GeV	50%	TRANSMUTATION (Beam Window Material: ceramics)	2		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
7.A.30	Zn(p,xnyp)	Spectra	0.8-1.5 GeV	50%	TRANSMUTATION (Beam Window Material: ceramics)	2		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)

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7.A.31	C(p,xnyp)	Spectra	0.8-1.5 GeV	50%	TRANSMUTATION (Beam Window Material: ceramics)	2		T. Sasa ^{*1} , T. Takizuka ^{*2} (JAERI)
new	D(p,xnyp)	Spectra	20 MeV – 1.5 GeV	50%	NEUTRON SCATTERING (Moderator Material)	1		M. Teshigawara ^{*8} (JAERI)
new	Be(p,xnyp)(n,xnyp)	Spectra	20 MeV – 1.5 GeV	50%	NEUTRON SCATTERING (Target Material)	1		M. Teshigawara ^{*8} (JAERI)
new	Th-232(n,f) U-233,235, 238(n,f) Pu-239,241(n,f) Am-241(n,f) Cm-242,245,249(n,f)	Tritium Yield	thermal - 20 MeV	10%	BURN-UP (Tritium Production)	1		K. Sasaki ^{*9} (JNC)
new	Bi-209(n,g)	Cross Section	thermal -1 MeV 1 – 20 MeV	15% 20%	TRANSMUTATION (Po-210 Production)	1		H. Takano ^{*10} (JAERI)
new	Li-7(p,n),(p,xn) Be-9(p,n),(p,xn)	Cross Section & Spectra	threshold – 3 MeV	10%	MEDICAL (Neutron Source for BNCT)	2		M. Sasaki ^{*11} (MHI)
new	Nb(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Super Conduction Magnet)	1		S. Meigo ^{*13} (JAERI)
new	Cu(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Super Conduction Magnet)	1		S. Meigo ^{*13} (JAERI)
new	Al(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Beam Tube)	1		S. Meigo ^{*13} (JAERI)
new	Fe(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Magnet & Beam Tube)	1		S. Meigo ^{*13} (JAERI)

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new	Cr(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Magnet & Beam Tube)	1		S. Meigo ^{*13} (JAERI)
new	Ni(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Magnet & Beam Tube)	1		S. Meigo ^{*13} (JAERI)
new	Ca(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Magnet & Beam Tube)	2		S. Meigo ^{*13} (JAERI)
new	Na(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Magnet & Beam Tube)	2		S. Meigo ^{*13} (JAERI)
new	O(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Air & Cooling Water)	1		S. Meigo ^{*13} (JAERI)
new	N(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Air)	1		S. Meigo ^{*13} (JAERI)
new	Si(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Soil)	1		S. Meigo ^{*13} (JAERI)
new	C(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Soil)	1		S. Meigo ^{*13} (JAERI)
new	Hg(p,non),(p,ela)	Cross section	0.1 – 3000 MeV	30%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Hg(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Hg(p,xn)	DDX	20 – 3000 MeV	50%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Hg(p,xg)	Spectra	20 – 3000 MeV	50%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)

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new	Hg(n,tot),(n,ela)	Cross Section	0.1 – 3000 MeV	30%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Hg(n,x) Activation	Cross Section	0.1 - 150 MeV	30%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Hg(n,xn)	DDX	1 - 150 MeV	50%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Hg(n,xg)	Spectra	1 - 150 MeV	50%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	W(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	W(p,xn)	DDX	20 – 3000 MeV	50%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	W(p,xg)	Spectra	20 – 3000 MeV	50%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	W(n,x) Activation	Cross Section	20 - 150 MeV	30%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	W(n,xn)	DDX	20 - 150 MeV	50%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	W(n,xg)	Spectra	20 - 150 MeV	50%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Ta(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Ta(p,xn)	DDX	20 – 3000 MeV	50%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)

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new	Ta(p,xg)	Spectra	20 - 3000 MeV	50%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Ta(n,x) Activation	Cross Section	20 - 150 MeV	30%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Ta(n,xn)	DDX	20 - 150 MeV	50%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Ta(n,xg)	Spectra	20 - 150 MeV	50%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Bi(p,x) Activation	Cross Section	20 - 3000 MeV	30%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Bi(p,xn)	DDX	20 - 3000 MeV	50%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Bi(p,xg)	Spectra	20 - 3000 MeV	50%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Bi(p,g) Po-210 Production	Cross Section	6 - 20 MeV	20%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Bi(n,x) Activation	Cross Section	20 - 150 MeV	30%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Bi(n,xn)	DDX	20 - 150 MeV	50%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Bi(n,xg)	Spectra	20 - 150 MeV	50%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Pb(p,x) Activation	Cross Section	20 - 3000 MeV	30%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)

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new	Pb(p,xn)	DDX	20 – 3000 MeV	50%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Pb(p,xg)	Spectra	20 – 3000 MeV	50%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Pb(n,x) Activation	Cross Section	20 - 150 MeV	30%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Pb(n,xn)	DDX	20 - 150 MeV	50%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	Pb(n,xg)	Spectra	20 - 150 MeV	50%	SPALLATION N-SOURCE (Target Material)	1		S. Meigo ^{*13} (JAERI)
new	C(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Beam Dump)	1		S. Meigo ^{*13} (JAERI)
new	C(p,xn)	DDX	20 – 3000 MeV	50%	SPALLATION N-SOURCE (Beam Dump)	2		S. Meigo ^{*13} (JAERI)
new	C(n,x) Activation	Cross Section	20 – 150 MeV	30%	SPALLATION N-SOURCE (Beam Dump)	2		S. Meigo ^{*13} (JAERI)
new	C(n,xn)	DDX	20 – 150 MeV	50%	SPALLATION N-SOURCE (Beam Dump)	2		S. Meigo ^{*13} (JAERI)
new	Fe(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Beam Dump)	1		S. Meigo ^{*13} (JAERI)
new	Fe(p,xn)	DDX	20 – 3000 MeV	50%	SPALLATION N-SOURCE (Beam Dump)	1		S. Meigo ^{*13} (JAERI)
new	Fe(n,x) Activation	Cross Section	20 – 150 MeV	30%	SPALLATION N-SOURCE (Beam Dump)	1		S. Meigo ^{*13} (JAERI)

Request ID	Reaction	Quantity	Energy Range	Accuracy	Purpose	Priority/Deadline	Ref.	Requester
new	Fe(n,xn)	DDX	20 – 150 MeV	50%	SPALLATION N-SOURCE (Beam Dump)	1		S. Meigo ^{*13} (JAERI)
new	Cu(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Beam Dump)	1		S. Meigo ^{*13} (JAERI)
new	Cu(p,xn)	DDX	20 – 3000 MeV	50%	SPALLATION N-SOURCE (Beam Dump)	1		S. Meigo ^{*13} (JAERI)
new	Cu(n,x) Activation	Cross Section	20 – 150 MeV	30%	SPALLATION N-SOURCE (Beam Dump)	1		S. Meigo ^{*13} (JAERI)
new	Cu(n,xn)	DDX	20 – 150 MeV	50%	SPALLATION N-SOURCE (Beam Dump)	1		S. Meigo ^{*13} (JAERI)
new	D(p,n)	Cross Section & DDX	20 – 3000 MeV	50%	SPALLATION N-SOURCE (Modelator)	2		S. Meigo ^{*13} (JAERI)
new	Be(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Reflector)	1		S. Meigo ^{*13} (JAERI)
new	Ni(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Reflector)	1		S. Meigo ^{*13} (JAERI)
new	W(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Reflector)	1		S. Meigo ^{*13} (JAERI)
new	Ga(p,x) Activation	Cross Section	20 – 3000 MeV	30%	SPALLATION N-SOURCE (Coolant)	1		S. Meigo ^{*13} (JAERI)
new	Mo(p,x) Activation	Cross Section	800 – 3000 MeV	30%	SPALLATION N-SOURCE (Beam Window)	1		S. Meigo ^{*13} (JAERI)
new	V(p,x) Activation	Cross Section	800 – 3000 MeV	30%	SPALLATION N-SOURCE (Beam Window)	1		S. Meigo ^{*13} (JAERI)

Request ID	Reaction	Quantity	Energy Range	Accuracy	Purpose	Priority/Deadline	Ref.	Requester
new	Fe(p,z)	DDX	800 – 3000 MeV	50%	SPALLATION N-SOURCE (Beam Window)	1		S. Meigo ^{*13} (JAERI)
new	Ni(p,z)	DDX	800 – 3000 MeV	50%	SPALLATION N-SOURCE (Beam Window)	1		S. Meigo ^{*13} (JAERI)
new	Cr(p,z)	DDX	800 – 3000 MeV	50%	SPALLATION N-SOURCE (Beam Window)	1		S. Meigo ^{*13} (JAERI)
new	W(p,z)	DDX	800 – 3000 MeV	50%	SPALLATION N-SOURCE (Beam Window)	1		S. Meigo ^{*13} (JAERI)
new	Mo(p,z)	DDX	800 – 3000 MeV	50%	SPALLATION N-SOURCE (Beam Window)	1		S. Meigo ^{*13} (JAERI)
new	Cu(p,z)	DDX	800 – 3000 MeV	50%	SPALLATION N-SOURCE (Beam Window)	1		S. Meigo ^{*13} (JAERI)
new	V(p,z)	DDX	800 – 3000 MeV	50%	SPALLATION N-SOURCE (Beam Window)	1		S. Meigo ^{*13} (JAERI)
new	D(n,ela)	Cross Section & Angular Dist.	20 – 3000 MeV	20%	SPALLATION N-SOURCE (Modelator)	1		S. Meigo ^{*13} (JAERI)
new	Be(n,x) Activation	Cross Section	20 – 150 MeV	30%	SPALLATION N-SOURCE (Reflector)	1		S. Meigo ^{*13} (JAERI)
new	Ni(n,x) Activation	Cross Section	20 – 150 MeV	30%	SPALLATION N-SOURCE (Reflector)	1		S. Meigo ^{*13} (JAERI)
new	W(n,x) Activation	Cross Section	20 – 150 MeV	30%	SPALLATION N-SOURCE (Reflector)	1		S. Meigo ^{*13} (JAERI)
new	Pb(n,xn)	DDX	20 – 150 MeV	50%	SPALLATION N-SOURCE (Reflector)	1		S. Meigo ^{*13} (JAERI)

Request ID	Reaction	Quantity	Energy Range	Accuracy	Purpose	Priority/Deadline	Ref.	Requester
new	Be(n,xn)	DDX	20 – 150 MeV	50%	SPALLATION N-SOURCE (Reflector)	1		S. Meigo ^{*13} (JAERI)
new	Ni(n,xn)	DDX	20 – 150 MeV	50%	SPALLATION N-SOURCE (Reflector)	1		S. Meigo ^{*13} (JAERI)

References

- 1) Planing to measure in JAERI(FCA)/ORNL joint program
- 2) Planing to measure at IPPE in ISTC program
- 3) Planing to measure at KRI in ISTC program

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