

Program EVALPLOT
(Version 2015-2)

by

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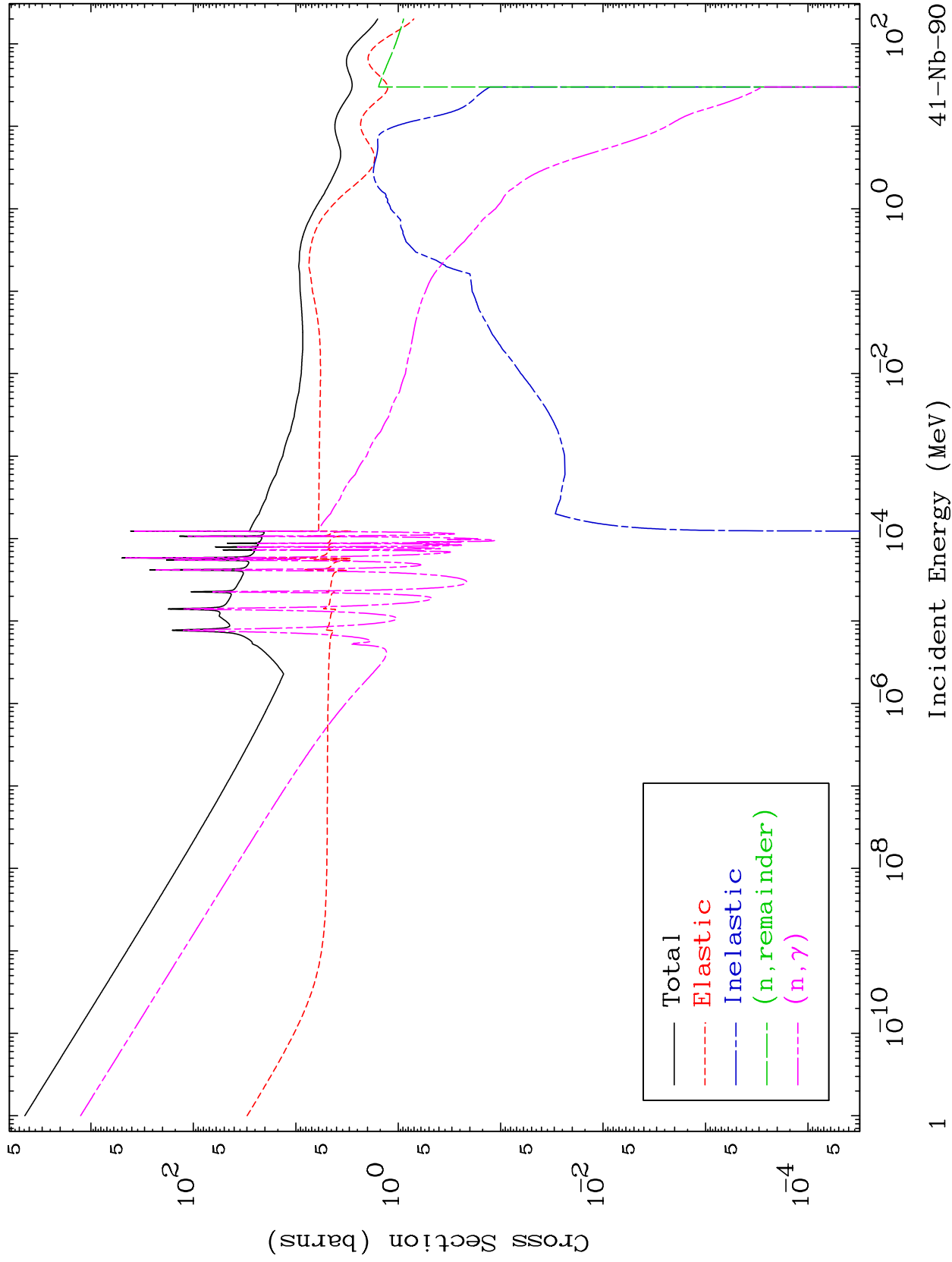
Press Mouse Button to Start

MAT 4117

Major

293 Kelvin Cross Sections

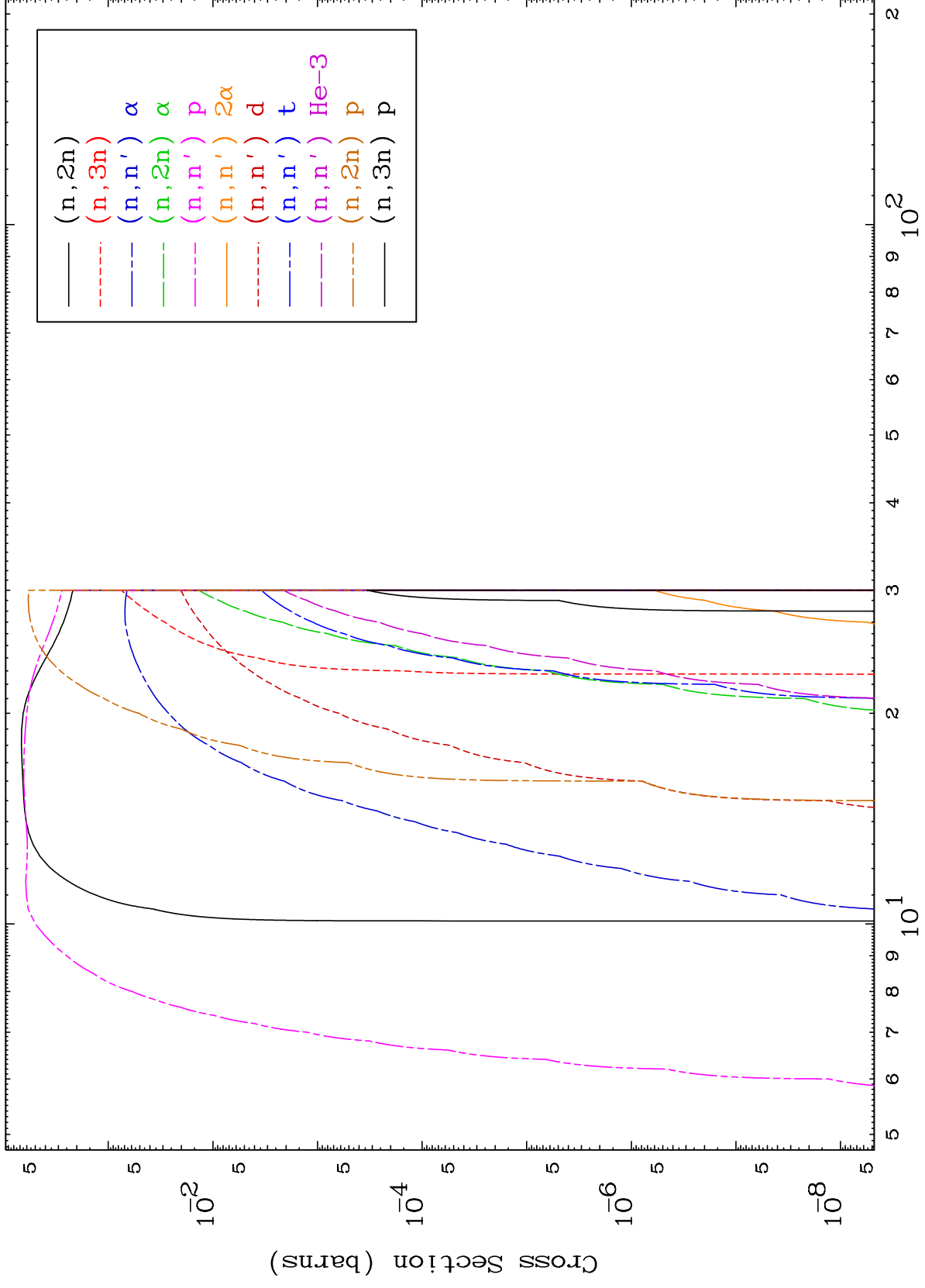
41-Nb-90



MAT 4117

Neutron Production
293 Kelvin Cross Sections

41-Nb-90



2

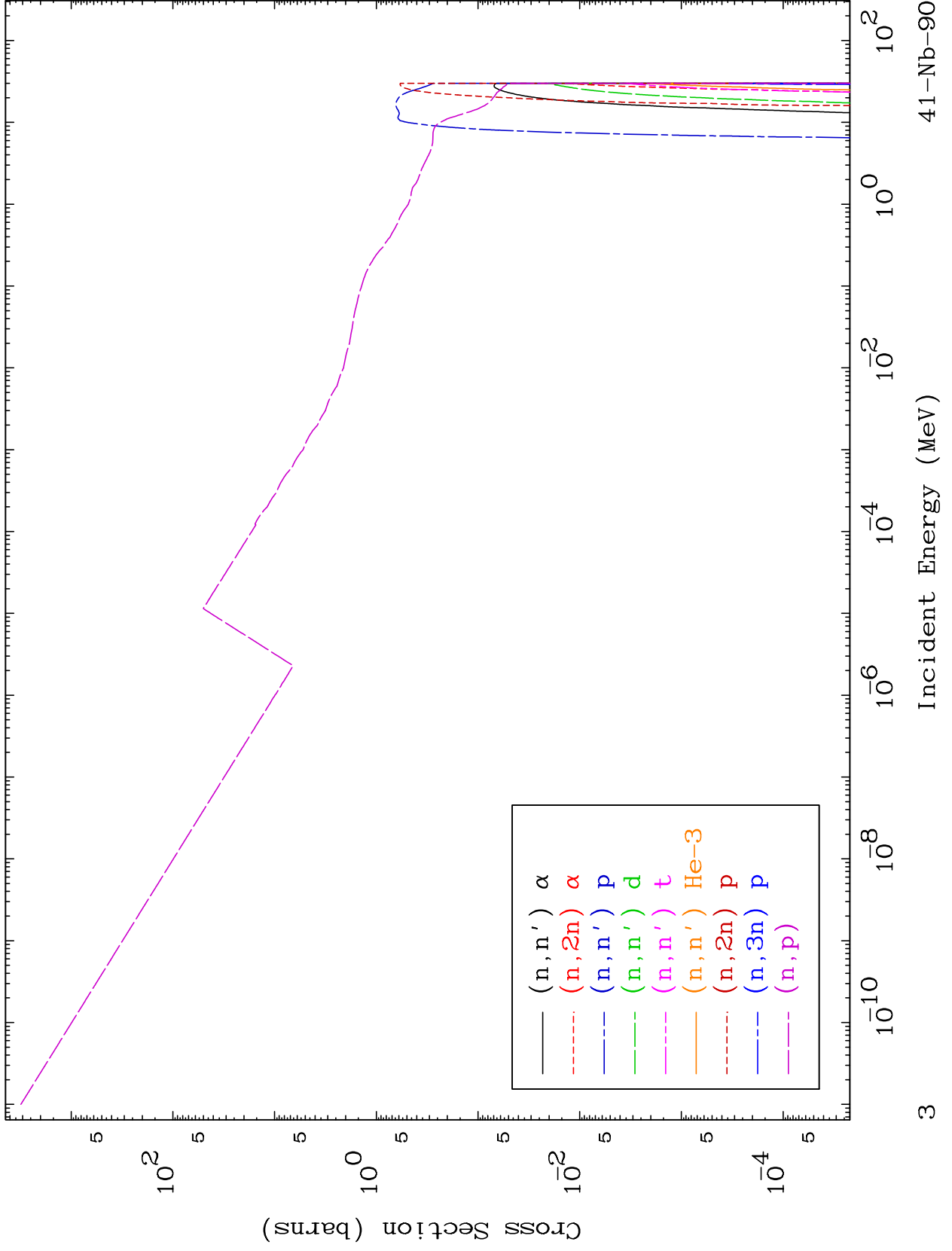
Incident Energy (MeV)

41-Nb-90

MAT 4117

Charged Particle
293 Kelvin Cross Sections

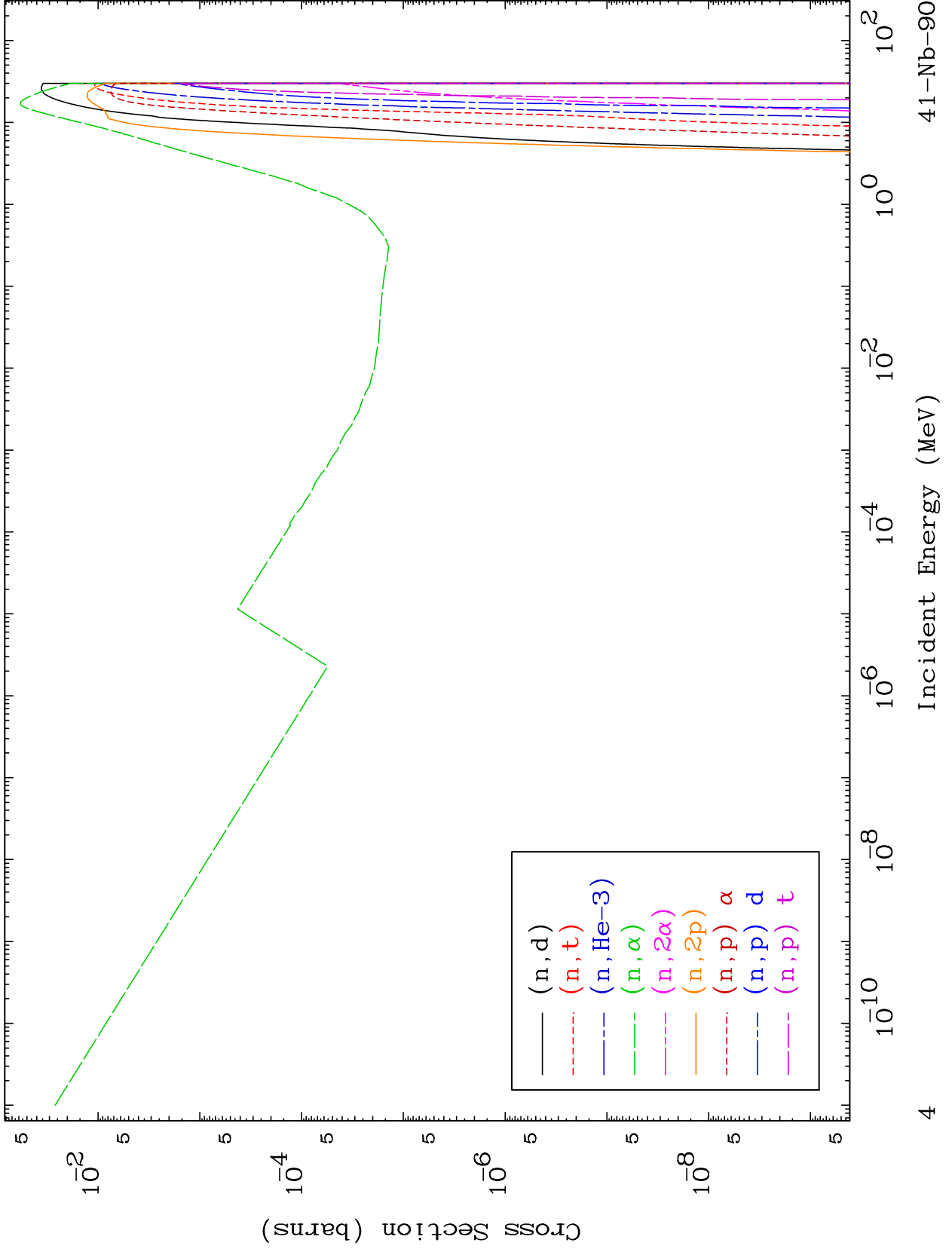
41-Nb-90



MAT 4117

Charged Particle
293 Kelvin Cross Sections

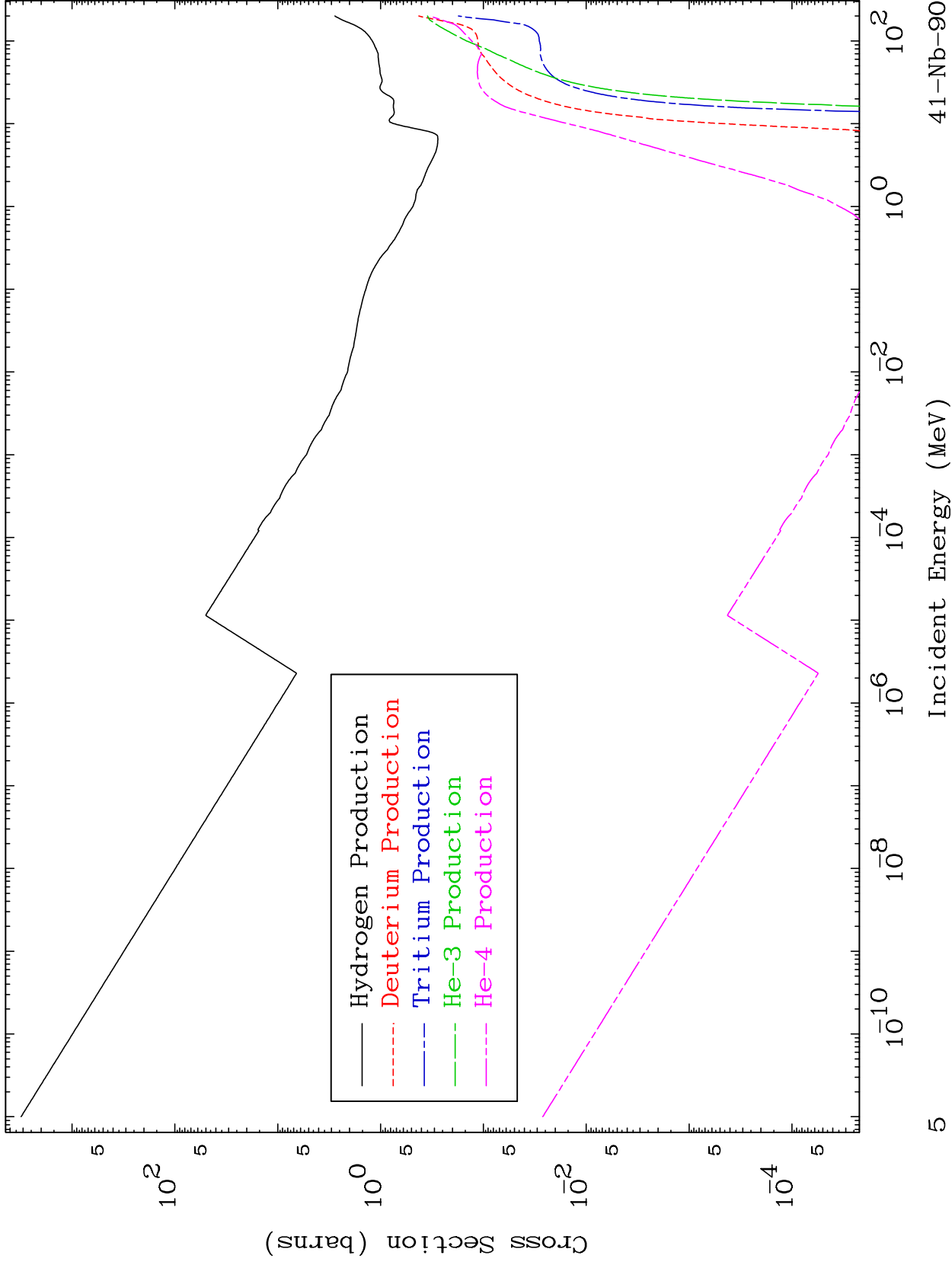
41-Nb-90



MAT 4117

Particle Production
293 Kelvin Cross Sections

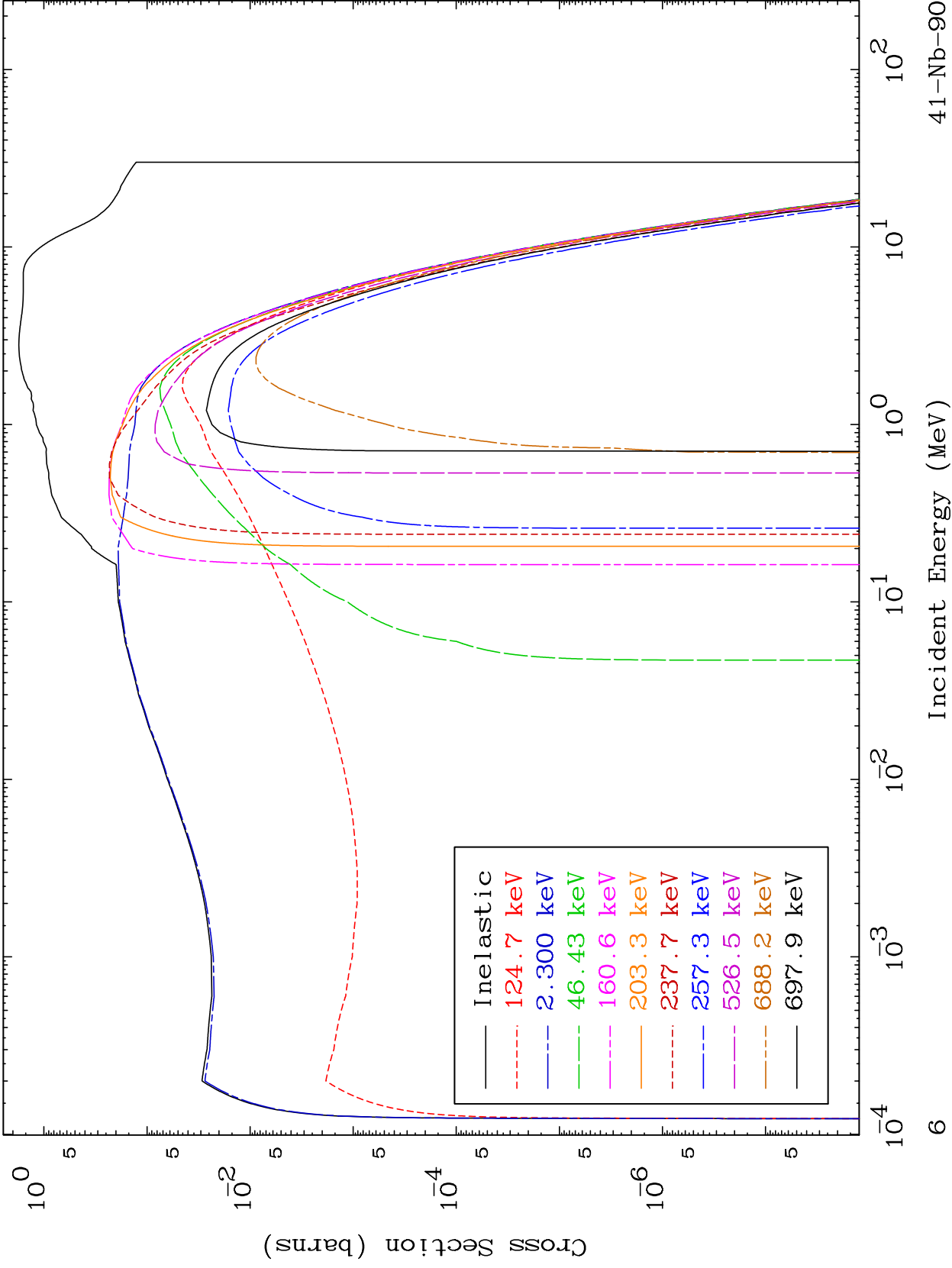
41-Nb-90



MAT 4117

(n,n') Level
293 Kelvin Cross Sections

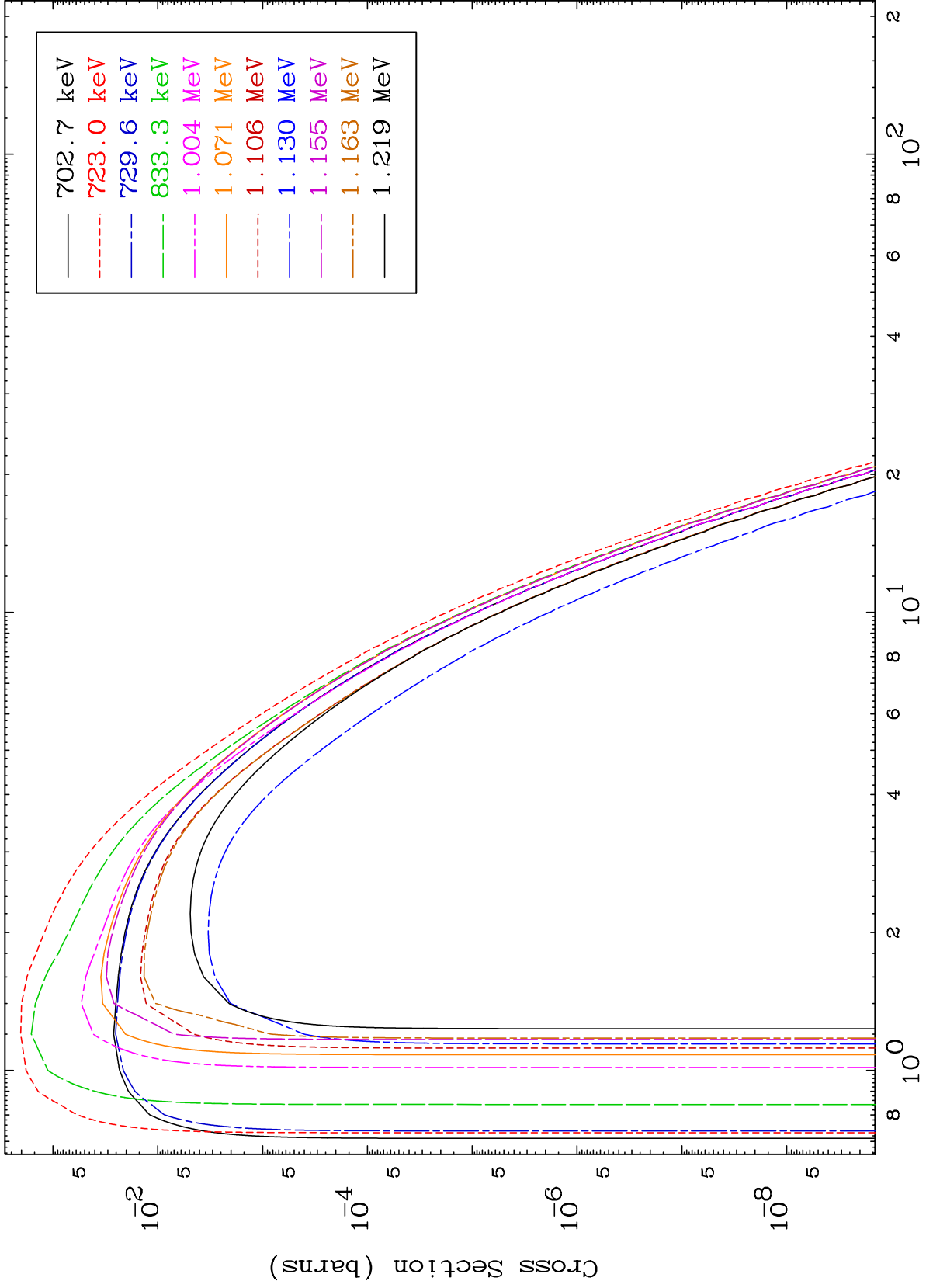
41-Nb-90



MAT 4117

(n,n') Level
293 Kelvin Cross Sections

41-Nb-90



7

Incident Energy (MeV)

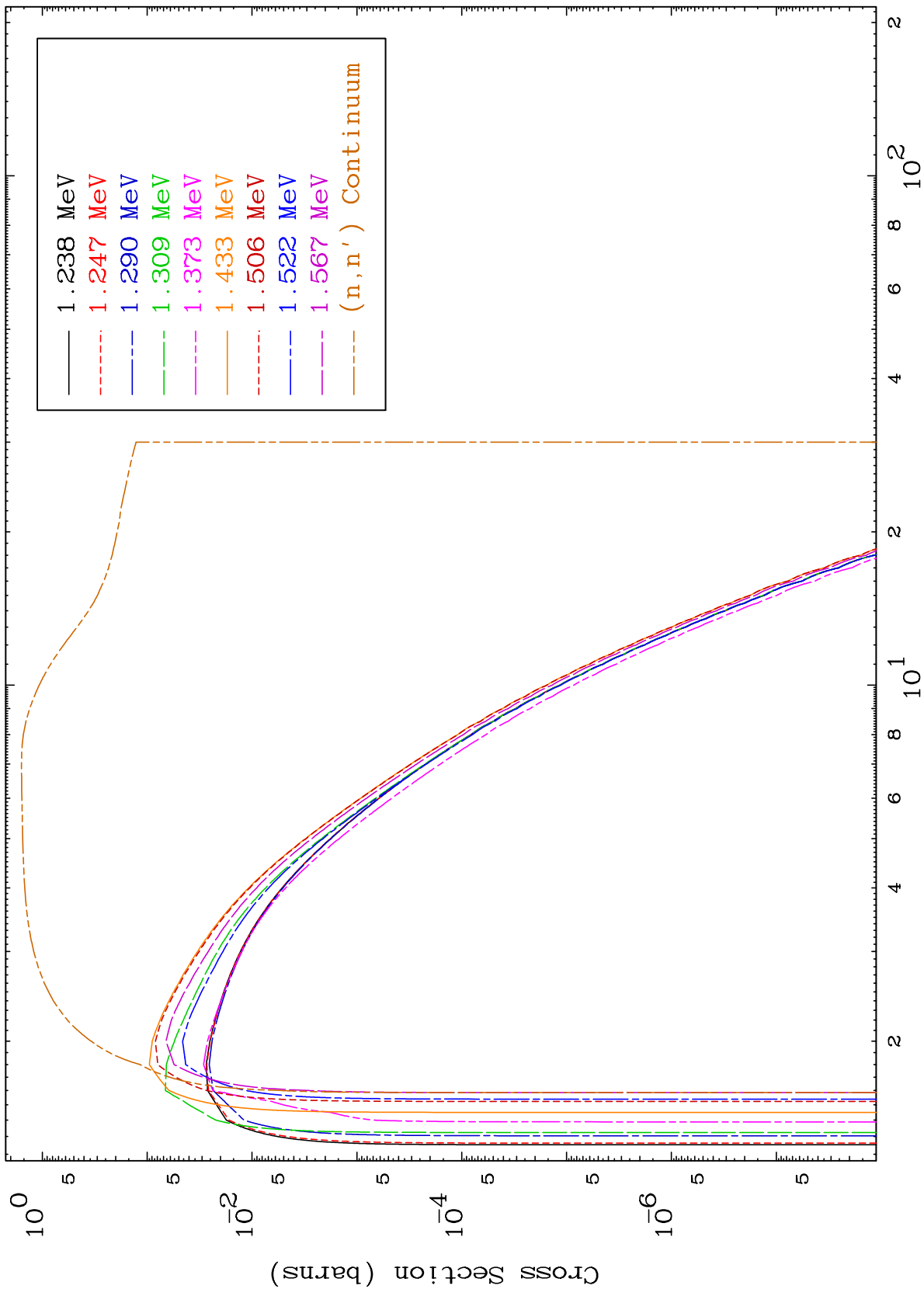
41-Nb-90

MAT 4117

(n,n') Level

41-Nb-90

293 Kelvin Cross Sections



8

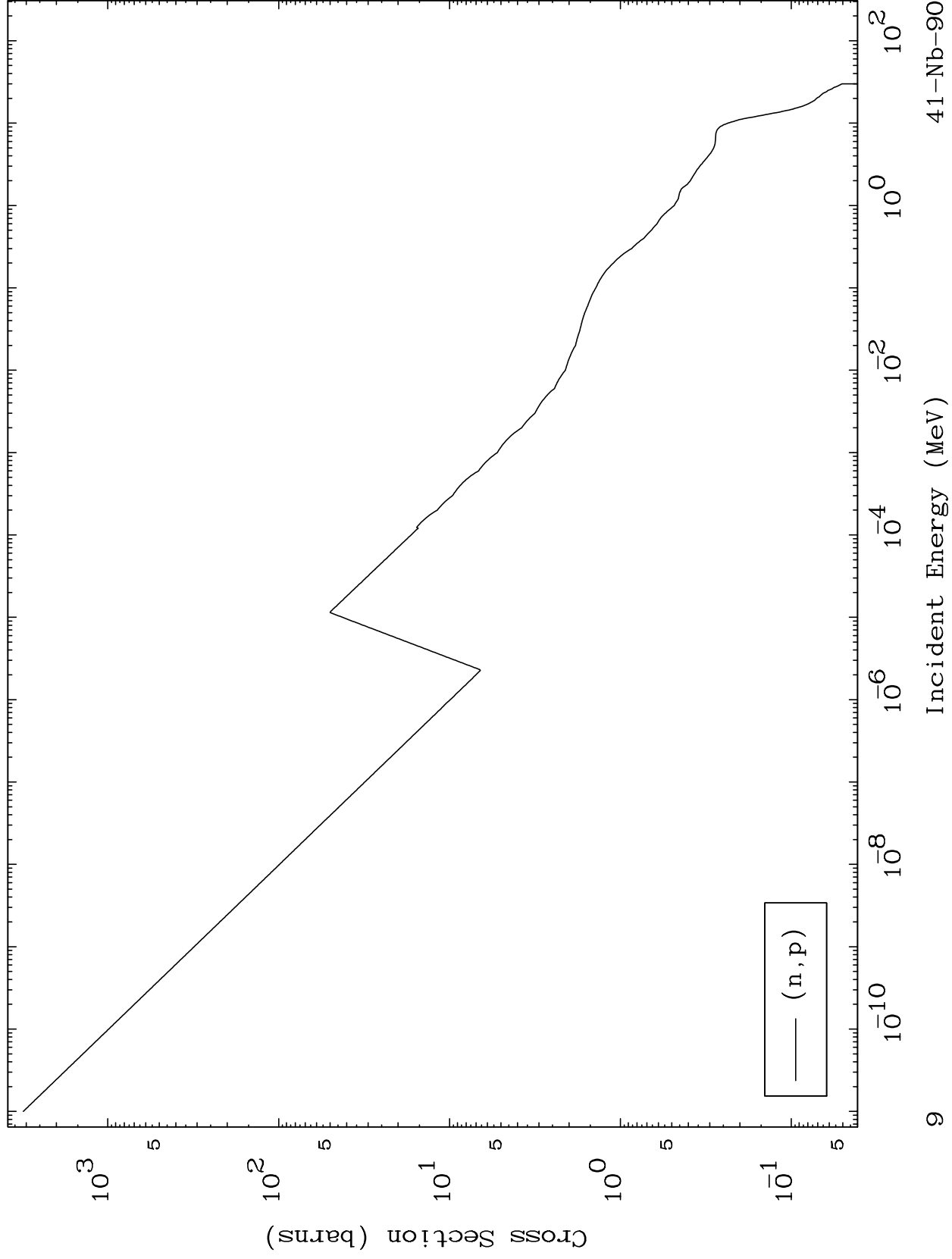
Incident Energy (MeV)

41-Nb-90

MAT 4117

(n,p) Levels
293 Kelvin Cross Sections

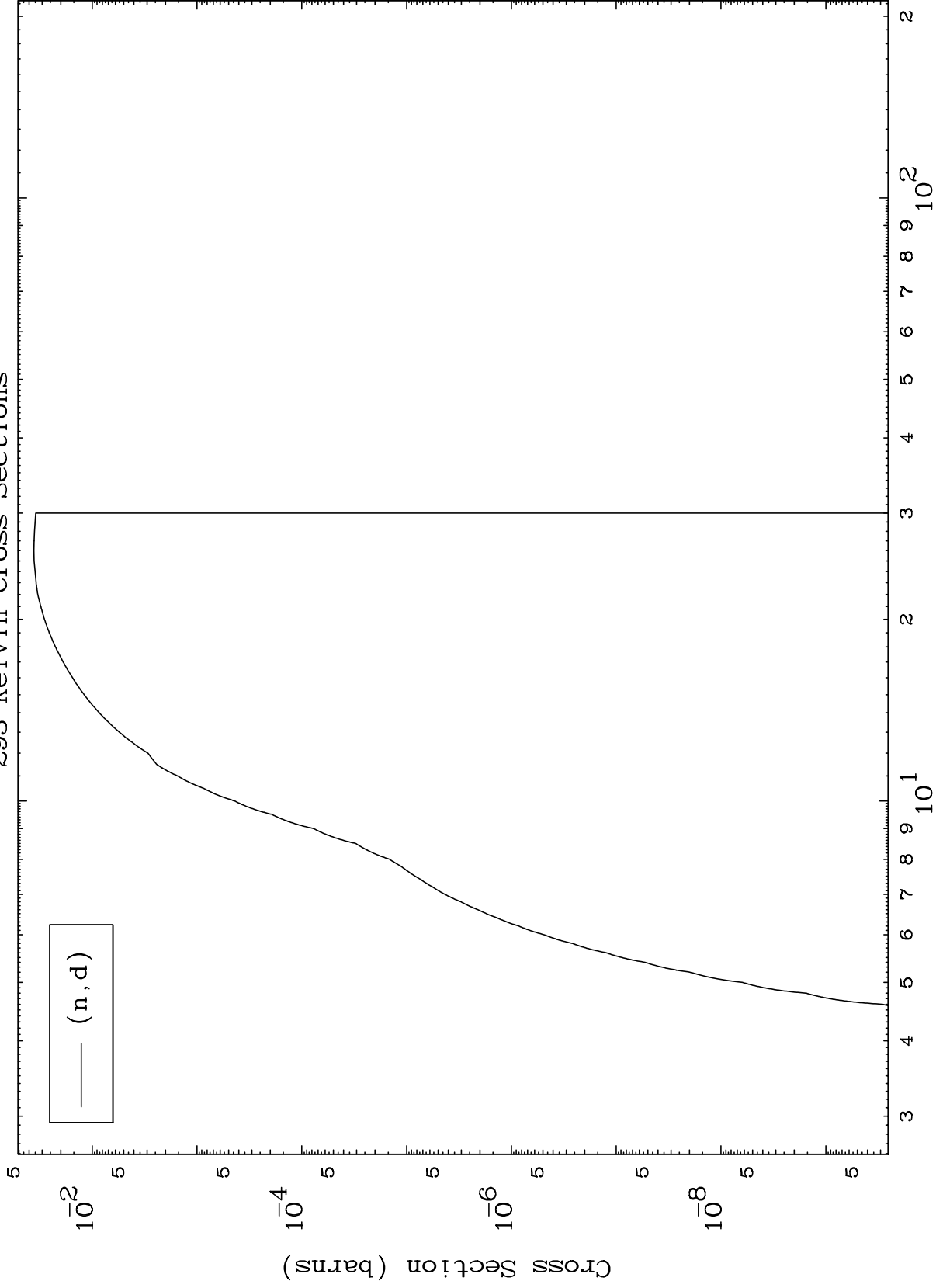
41-Nb-90



MAT 4117

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-90



10

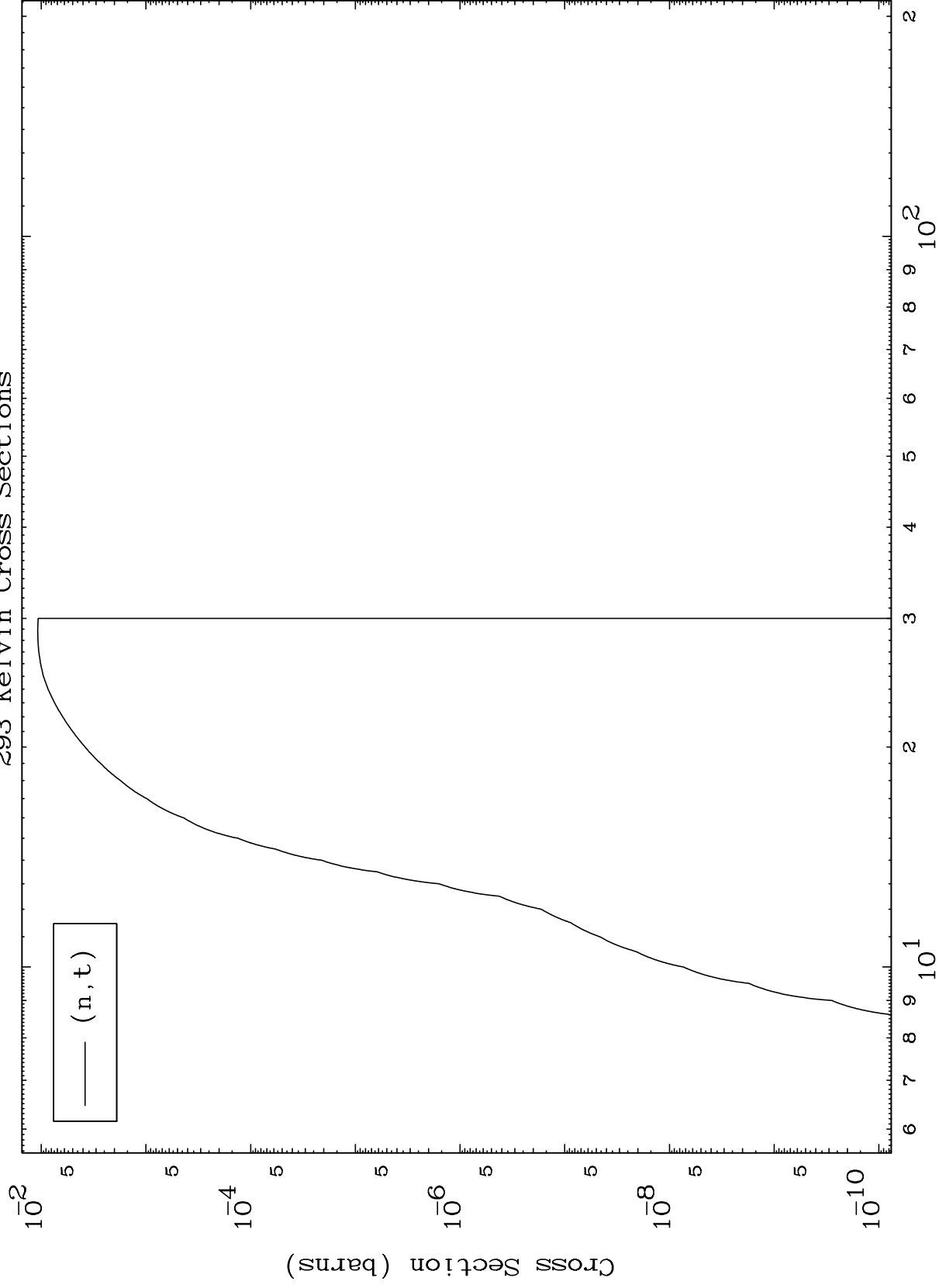
Incident Energy (MeV)

41-Nb-90

MAT 4117

(n, t) Levels
293 Kelvin Cross Sections

41-Nb-90



11

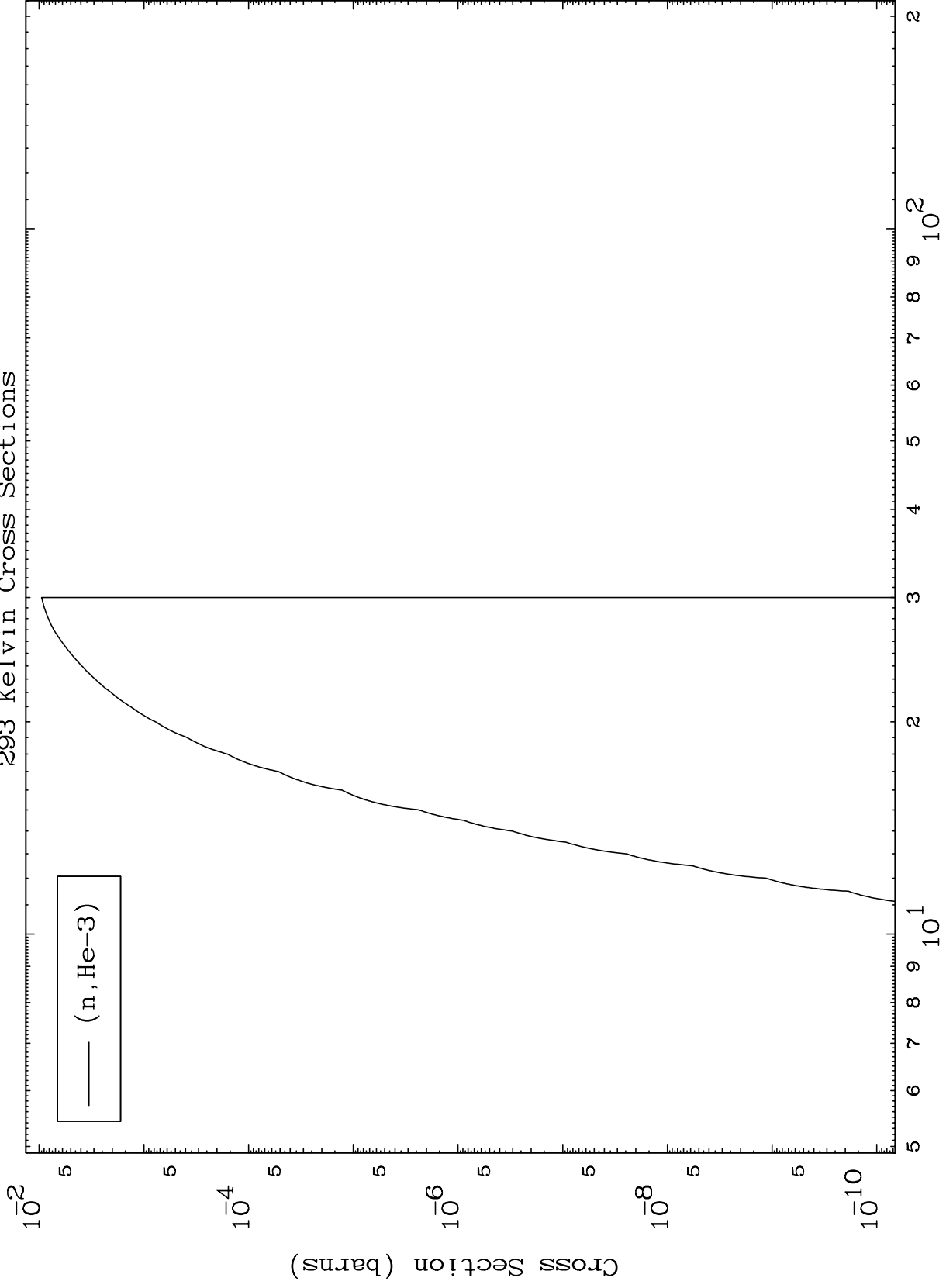
Incident Energy (MeV)

41-Nb-90

MAT 4117

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-90



(n, He-3)

12

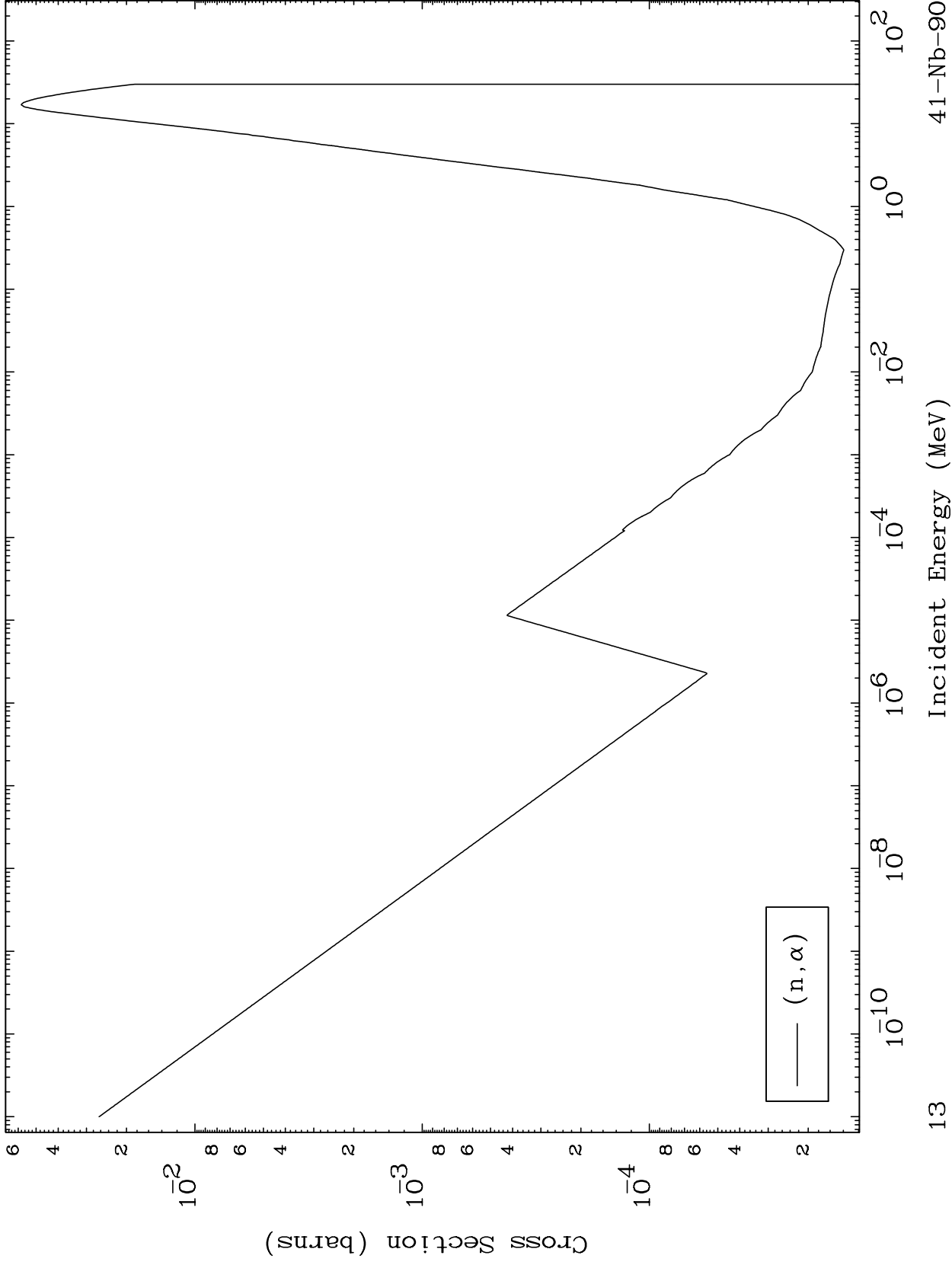
Incident Energy (MeV)

41-Nb-90

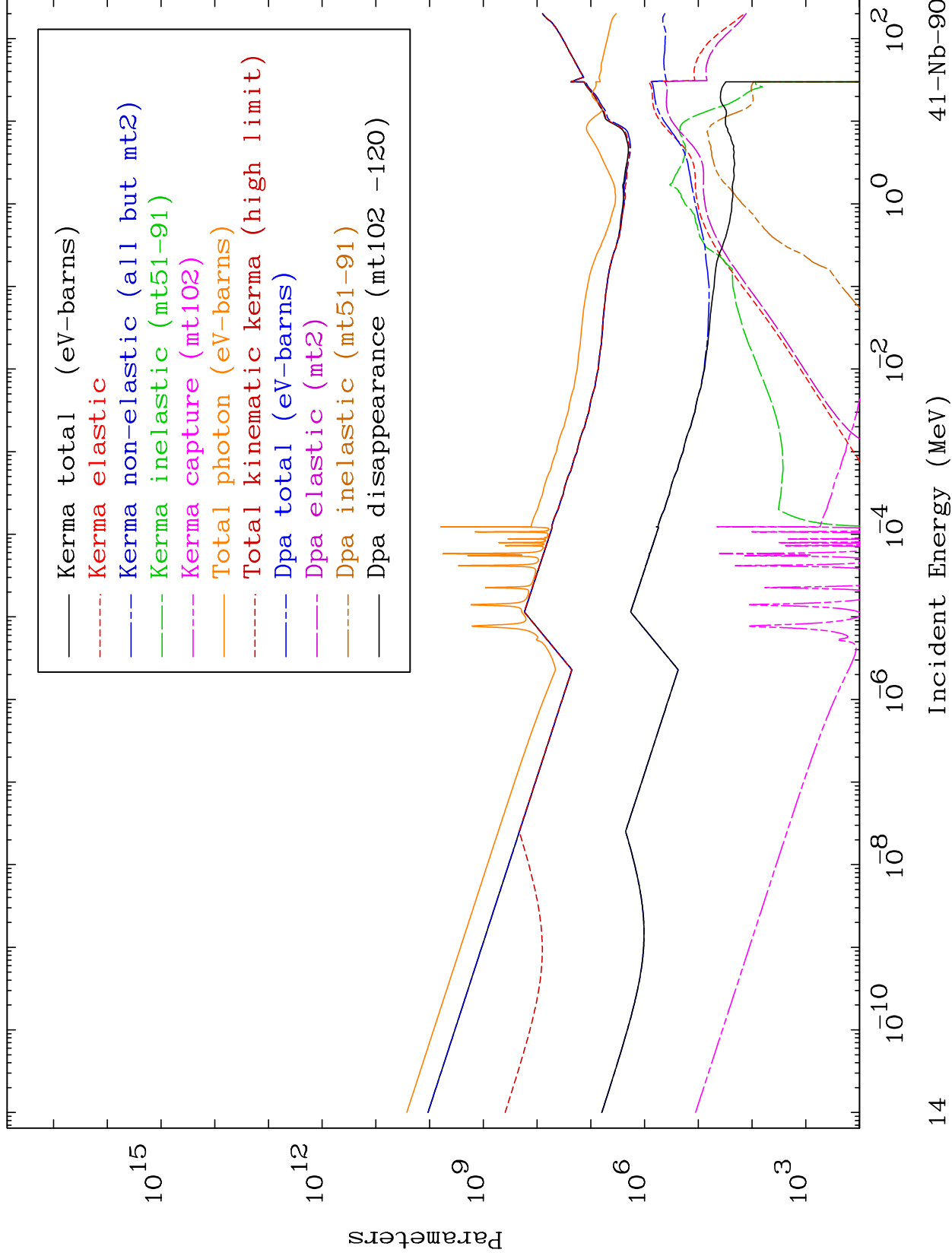
MAT 4117

(n, α) Levels
293 Kelvin Cross Sections

41-Nb-90



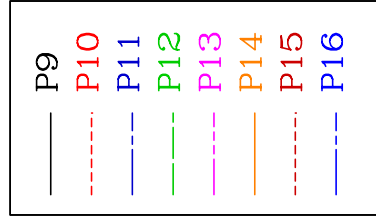
13



MAT 4117

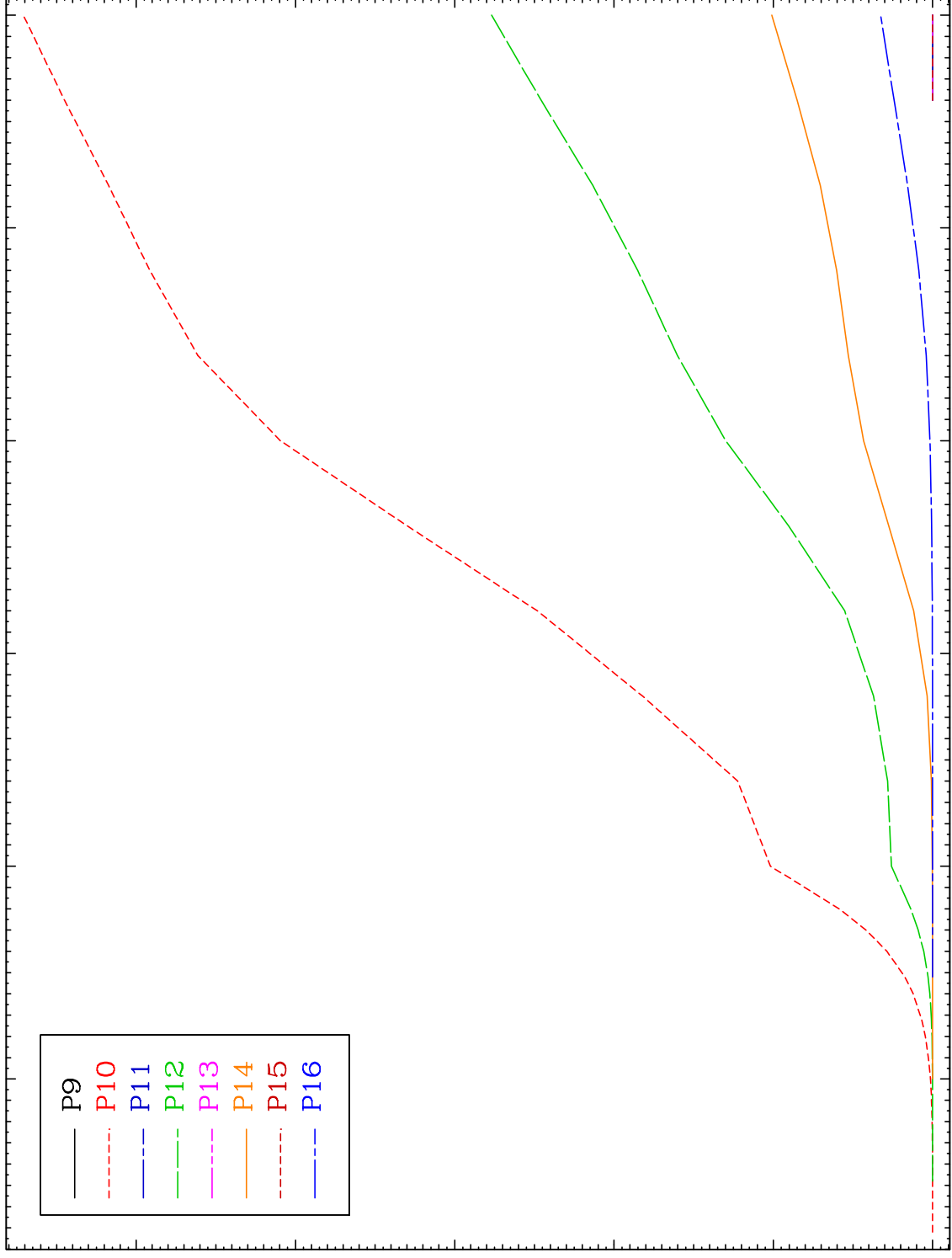
Elastic Legendre Coefficients

41-Nb-90



$\times 10^{-4}$

Legendre (CM)



16

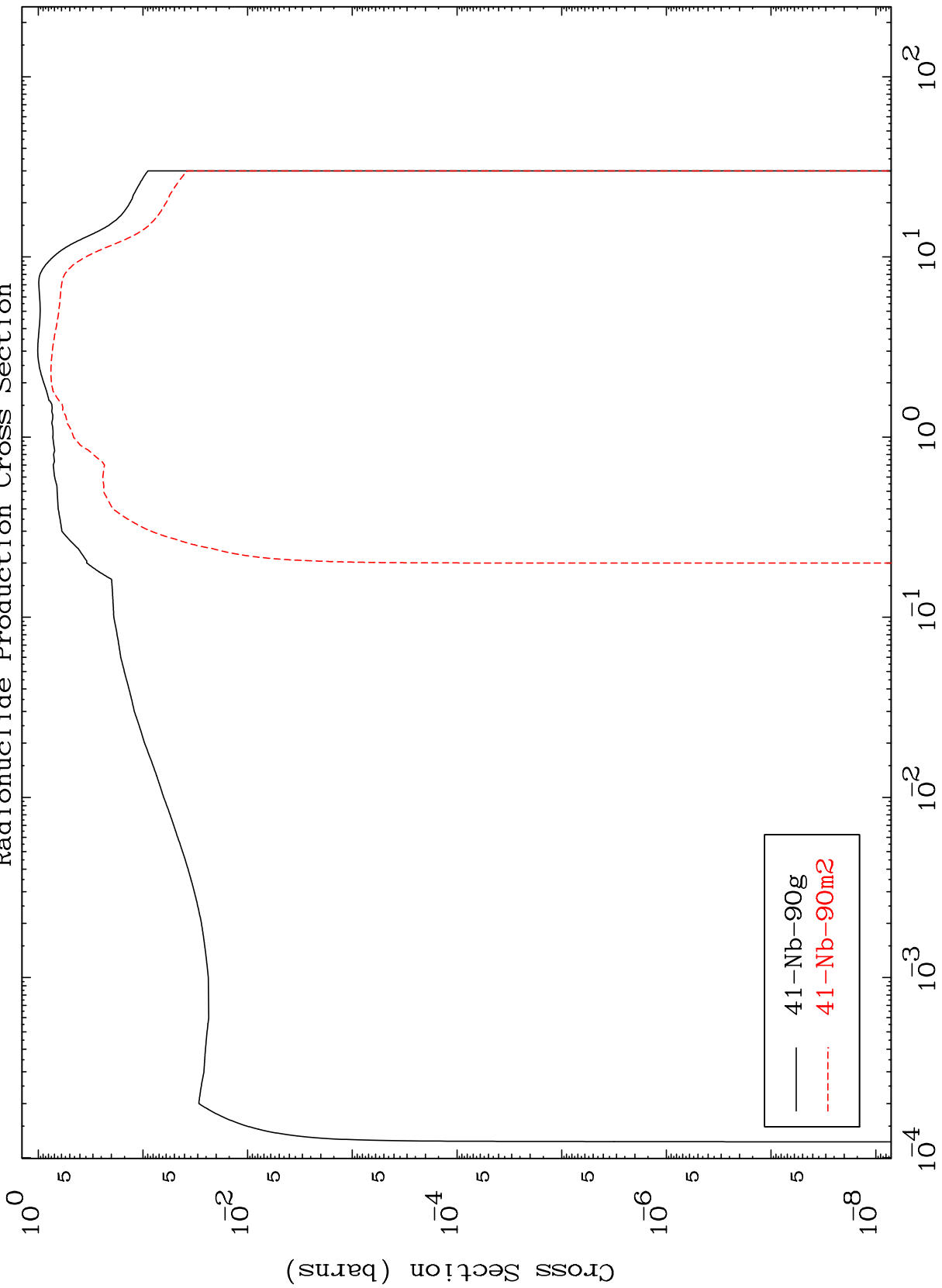
Incident Energy (MeV)

41-Nb-90

MAT 4117

41-Nb-90

Inelastic
Radionuclide Production Cross Section



— 41-Nb-90g
- - - 41-Nb-90m2

18

Incident Energy (MeV)

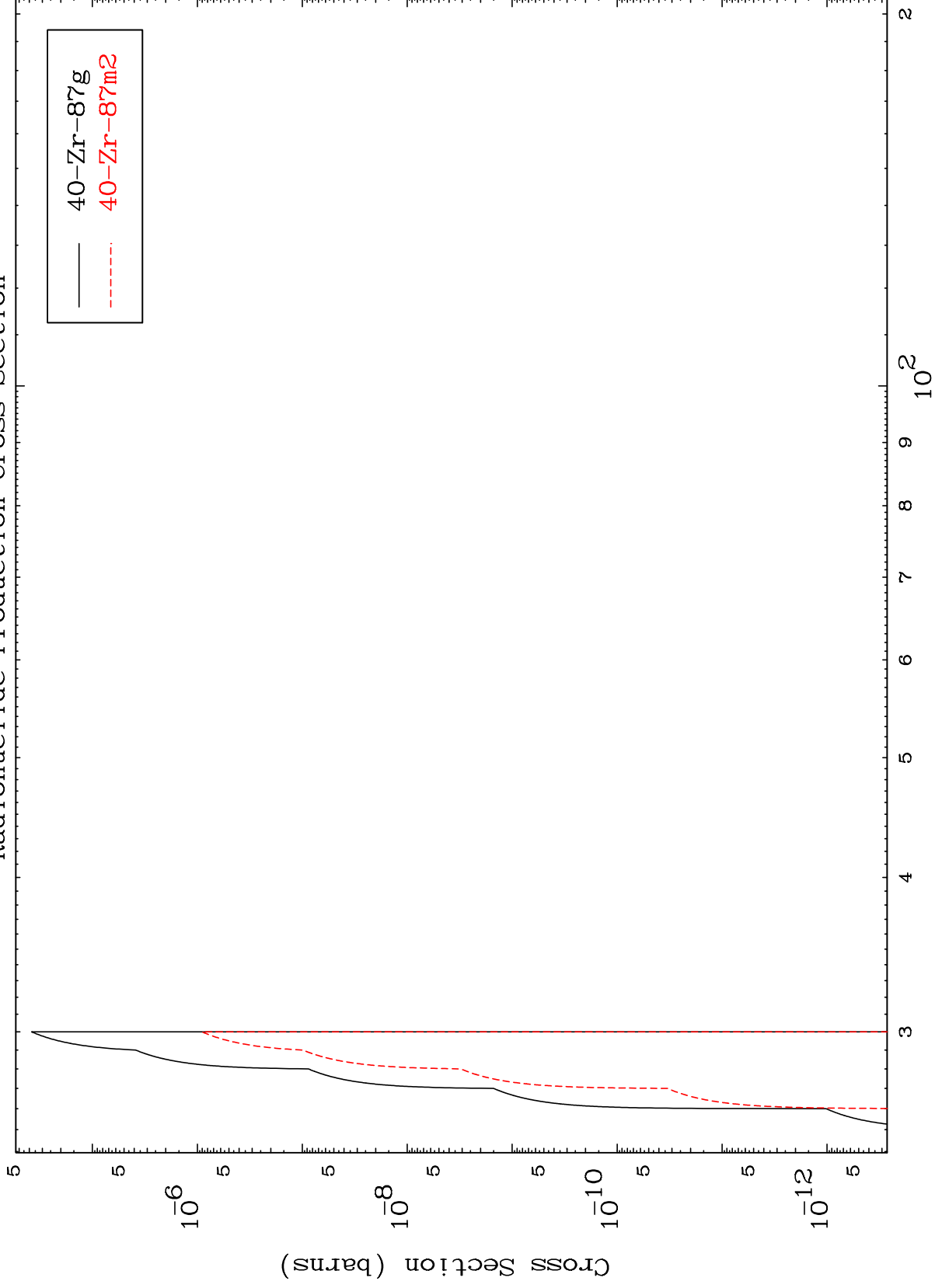
41-Nb-90

MAT 4117

(n,2n) d

41-Nb-90

Radionuclide Production Cross Section



19

Incident Energy (MeV)

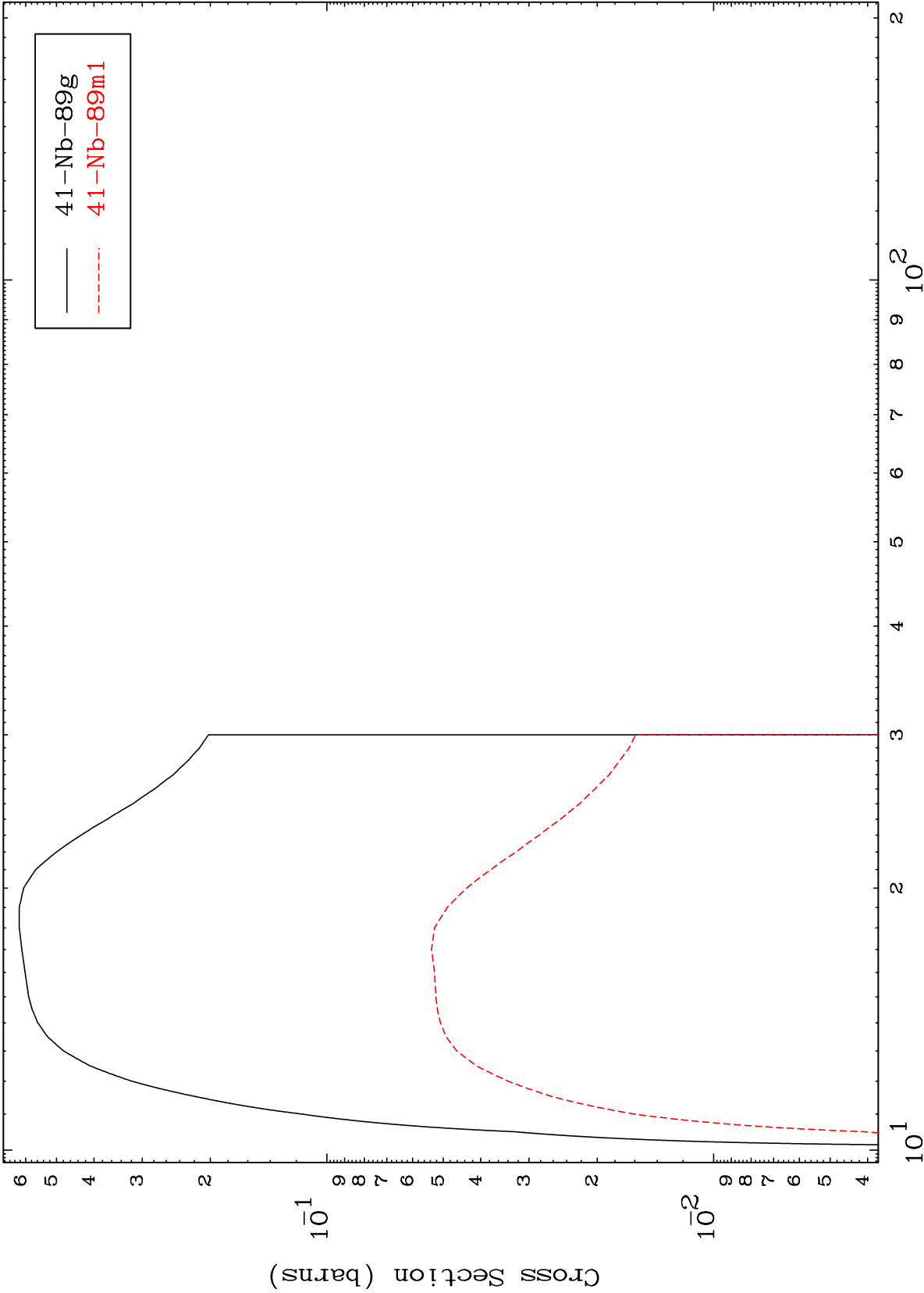
41-Nb-90

MAT 4117

(n,2n)

41-Nb-90

Radionuclide Production Cross Section



41-Nb-89g
41-Nb-89m1

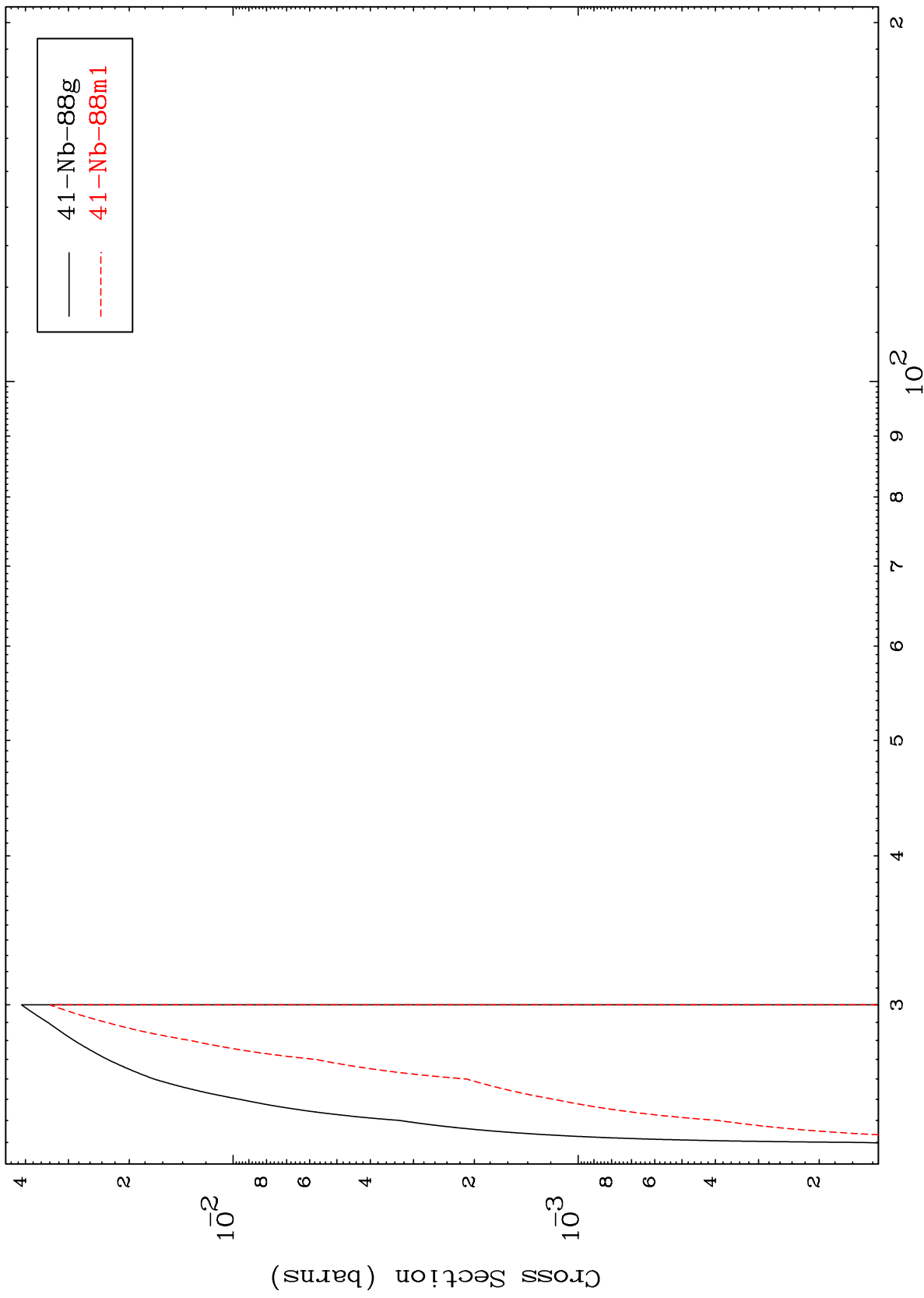
Incident Energy (MeV)

41-Nb-90

MAT 4117

41-Nb-90

(n,3n)
Radionuclide Production Cross Section



21

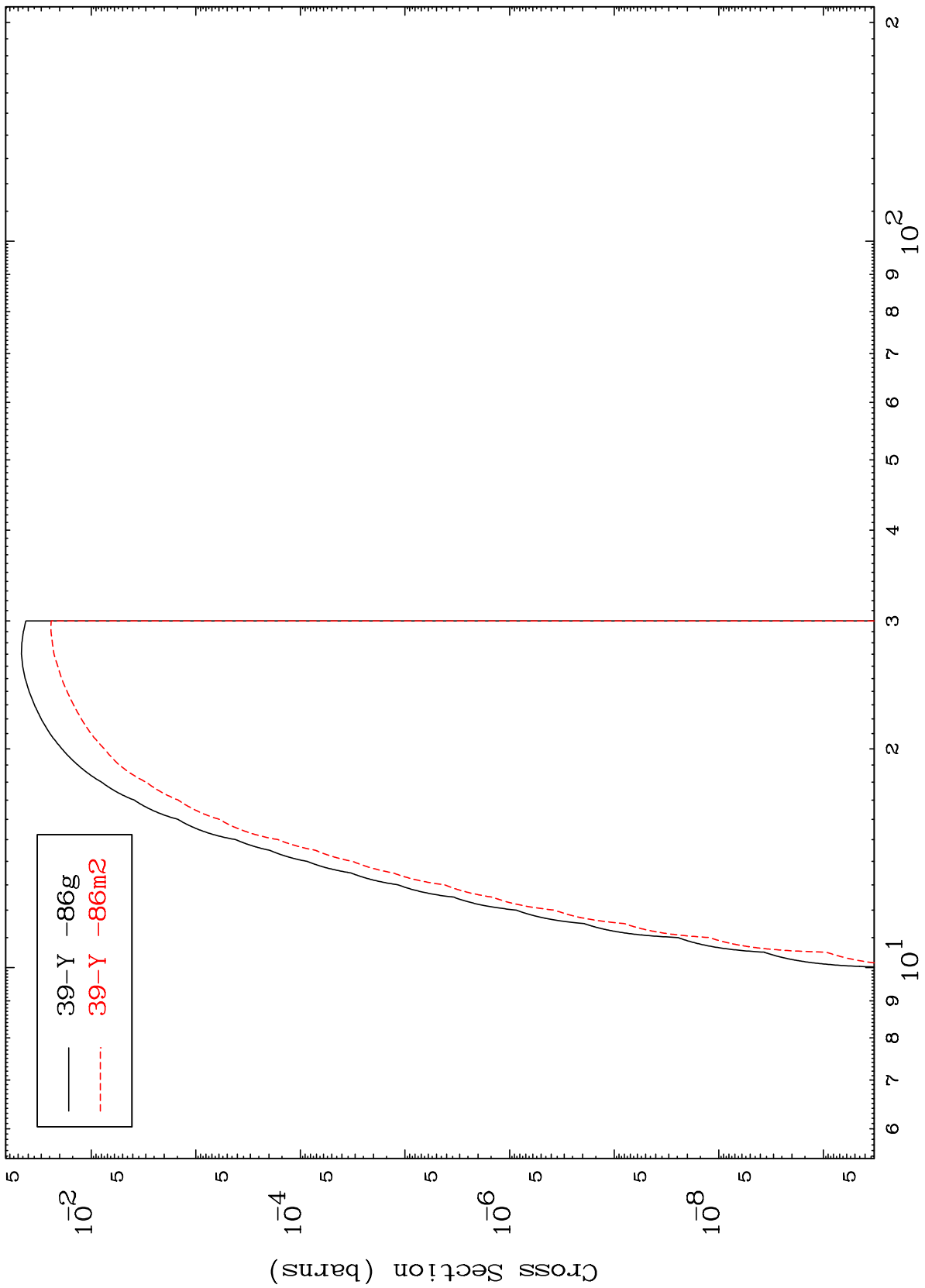
41-Nb-90

MAT 4117

(n,n') α

41-Nb-90

Radionuclide Production Cross Section



22

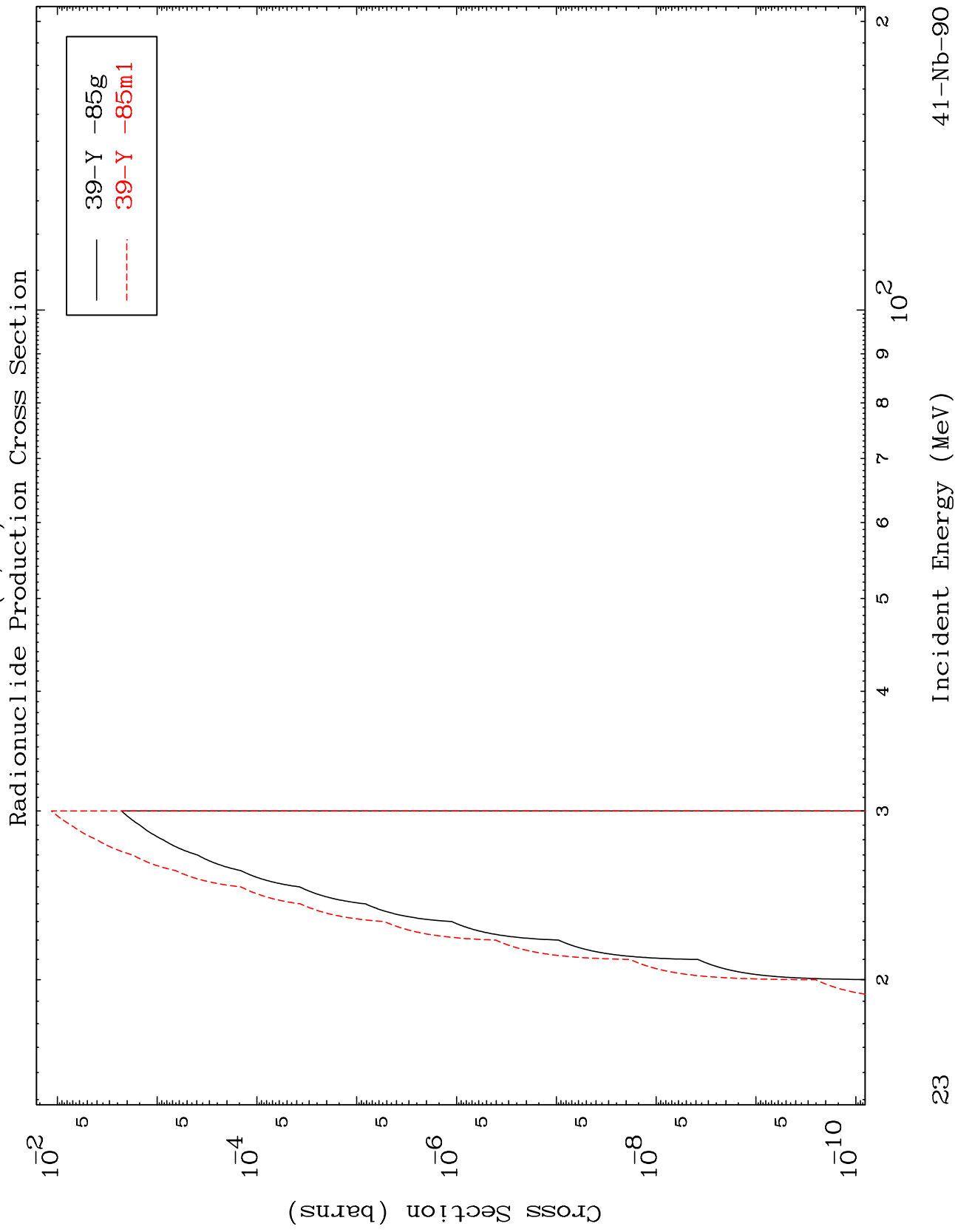
Incident Energy (MeV)

41-Nb-90

MAT 41117

(n,2n) α

41-Nb-90

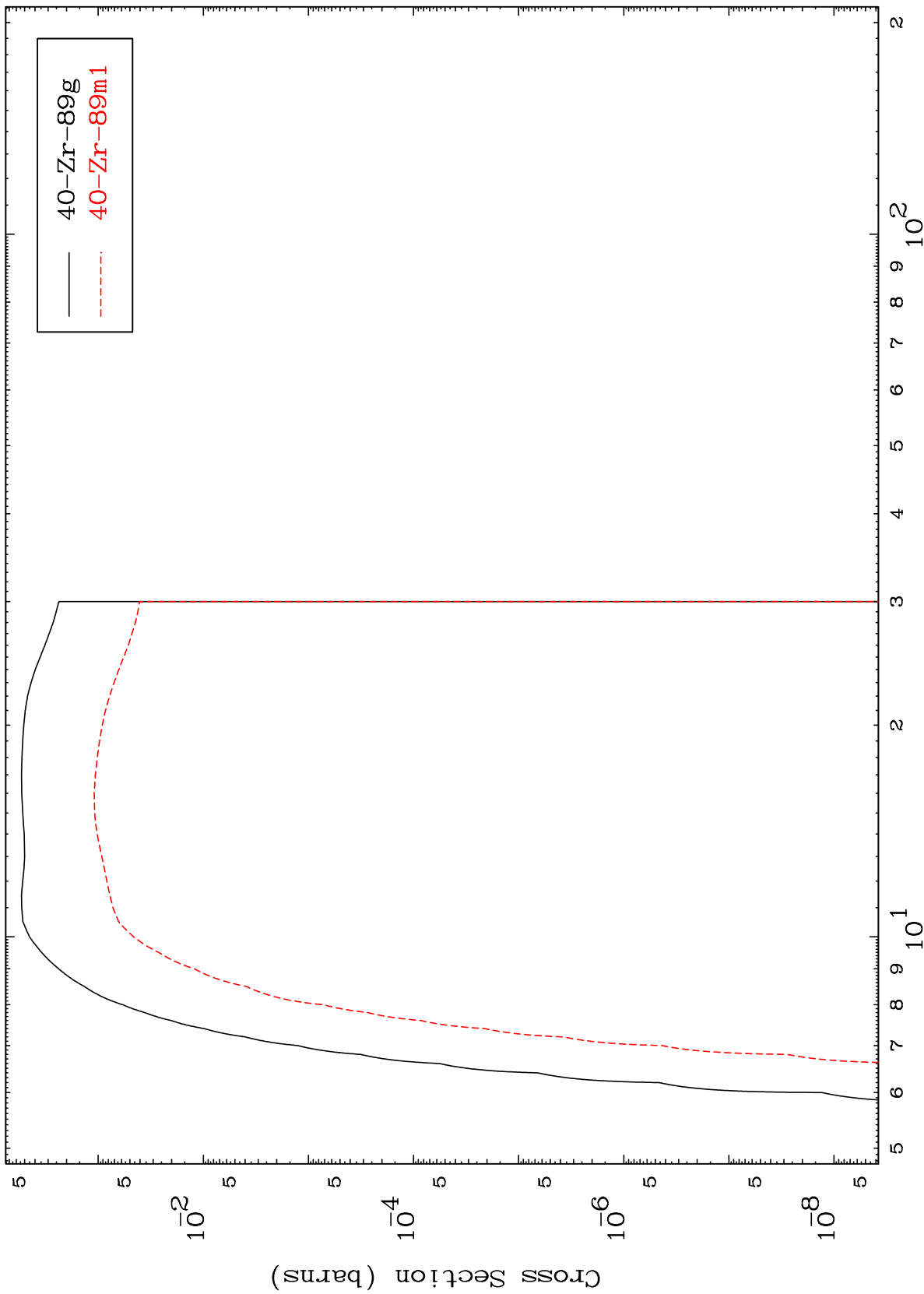


MAT 4117

(n,n') p

41-Nb-90

Radionuclide Production Cross Section

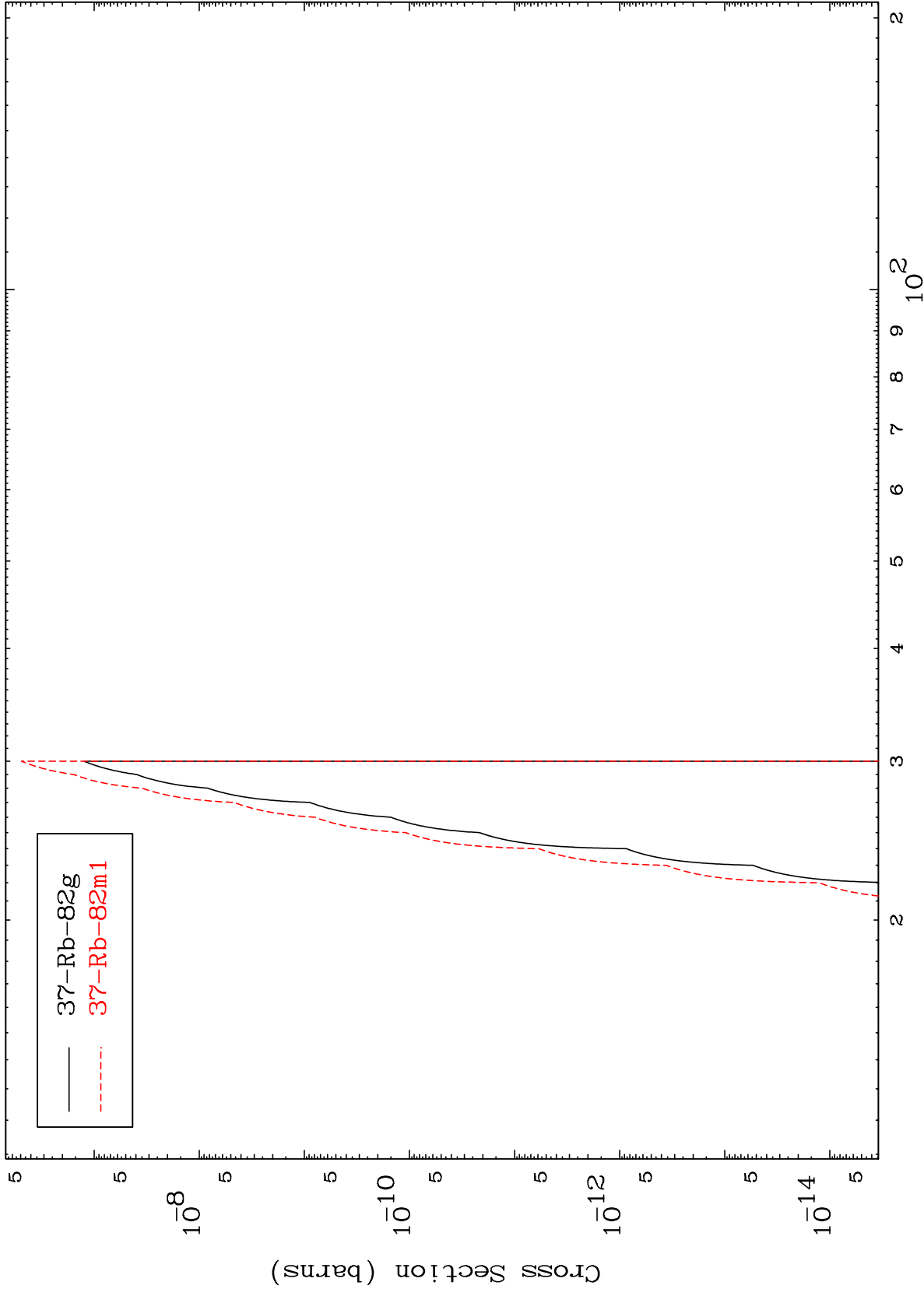


24

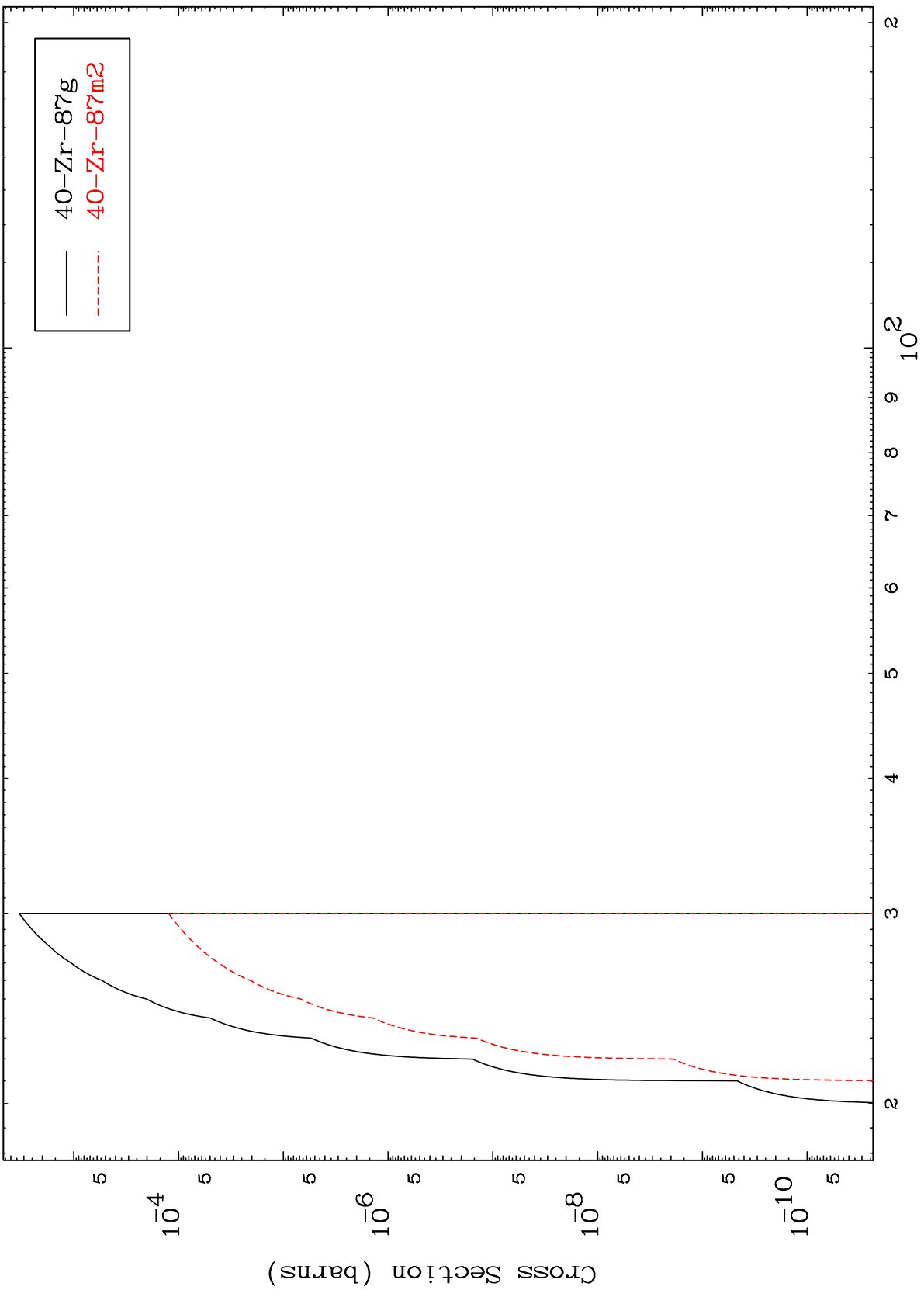
Incident Energy (MeV)

41-Nb-90

Radionuclide Production Cross Section



Radionuclide Production Cross Section



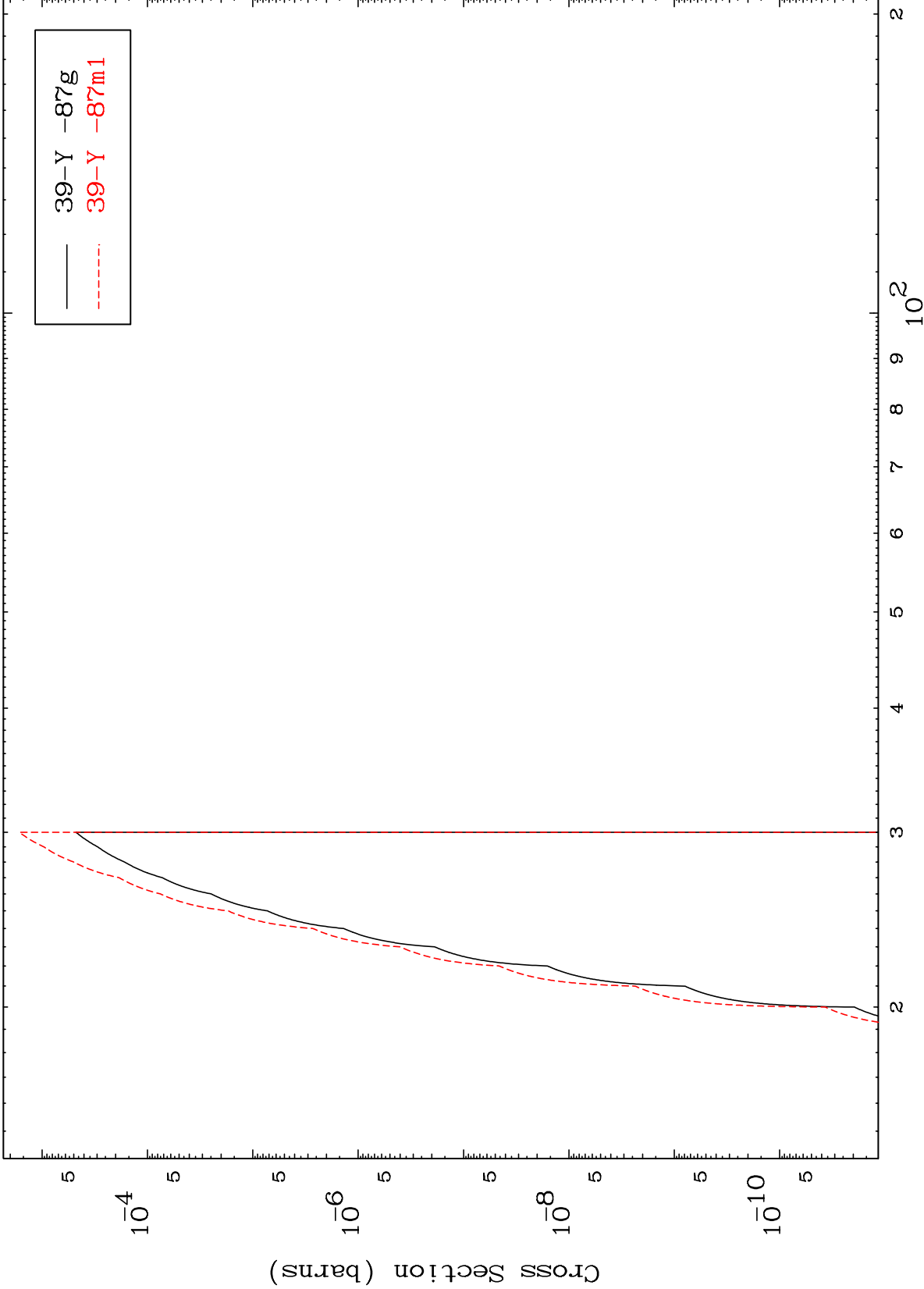
40-Zr-87g
40-Zr-87m2

MAT 4117

(n,n') He-3

41-Nb-90

Radionuclide Production Cross Section

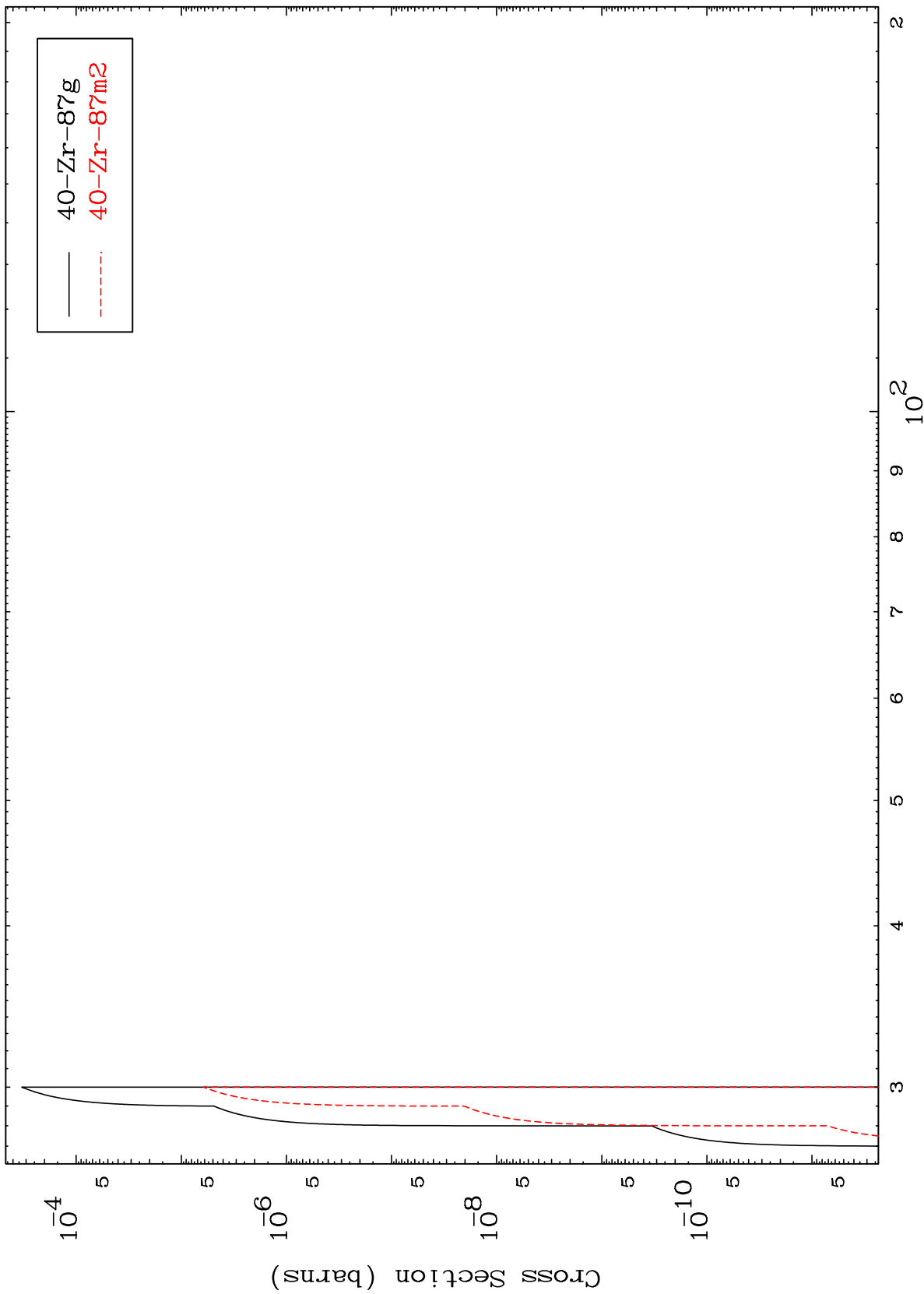


39-Y -87g
39-Y -87m1

MAT 4117

41-Nb-90

(n,3n) p
Radionuclide Production Cross Section



28

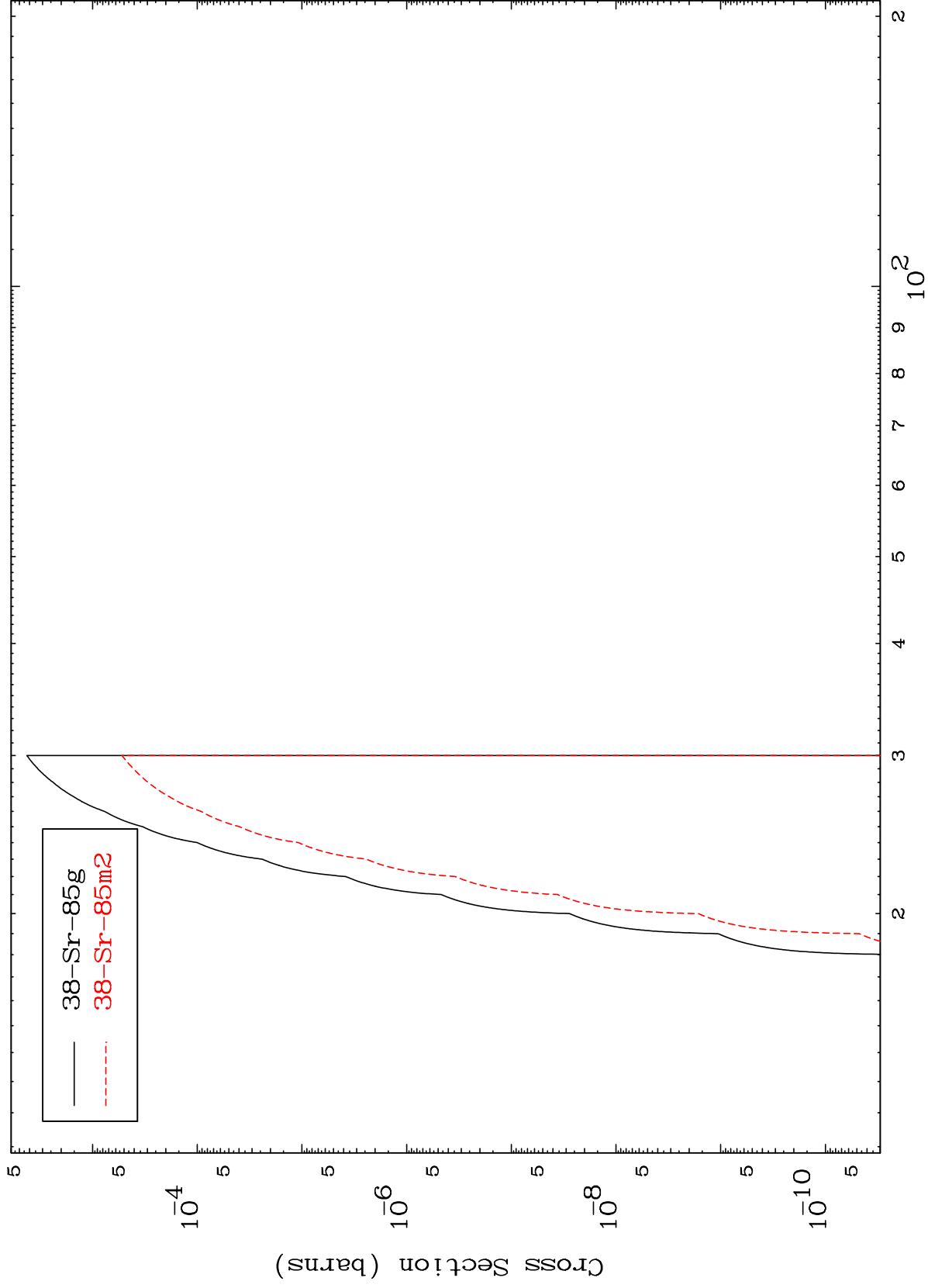
41-Nb-90

MAT 4117

(n,n') p α

41-Nb-90

Radionuclide Production Cross Section



29

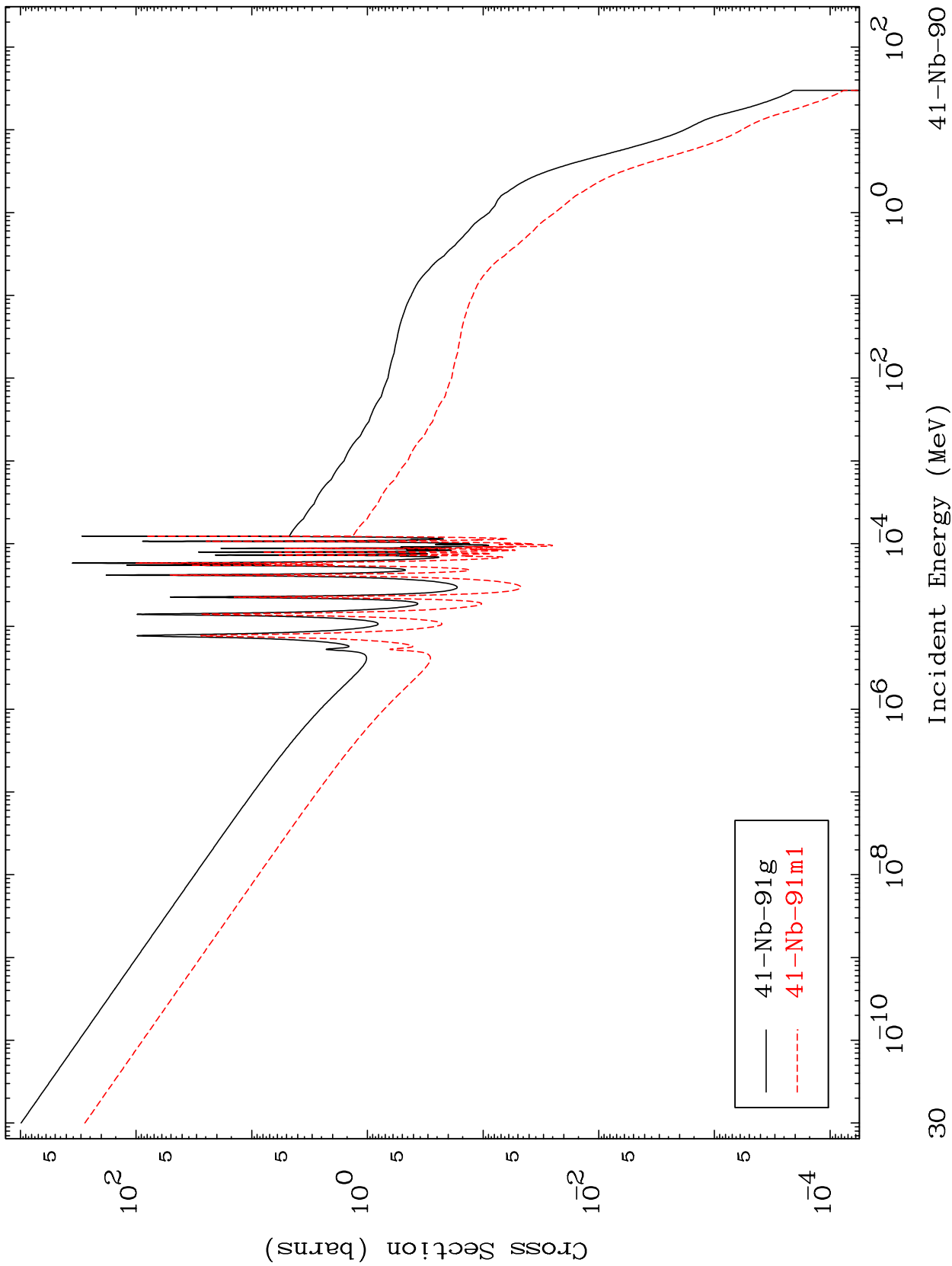
Incident Energy (MeV)

41-Nb-90

MAT 4117

41-Nb-90

Radionuclide Production Cross Section
(n, γ)



30

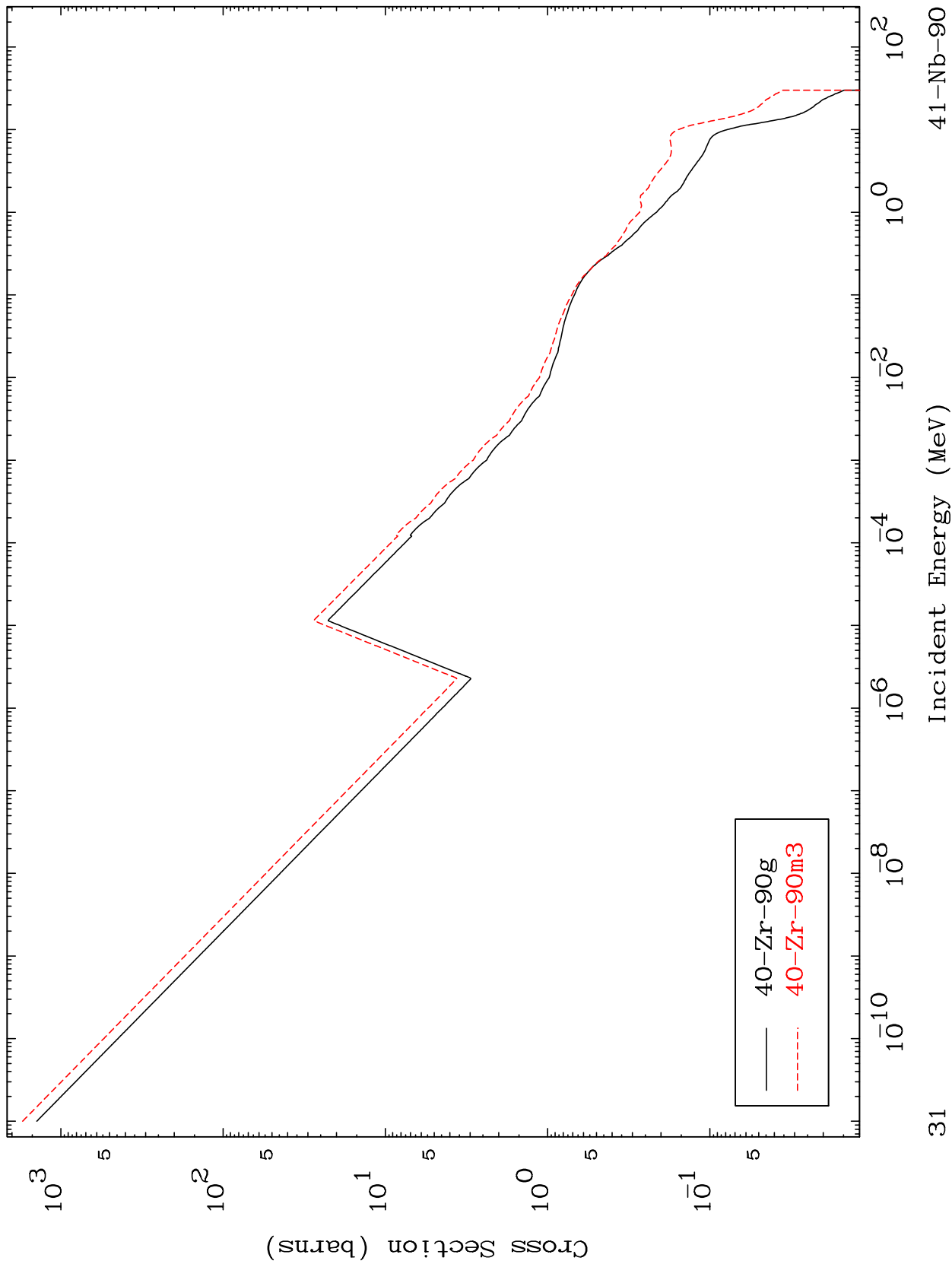
41-Nb-90

MAT 4117

(n,p)

41-Nb-90

Radionuclide Production Cross Section

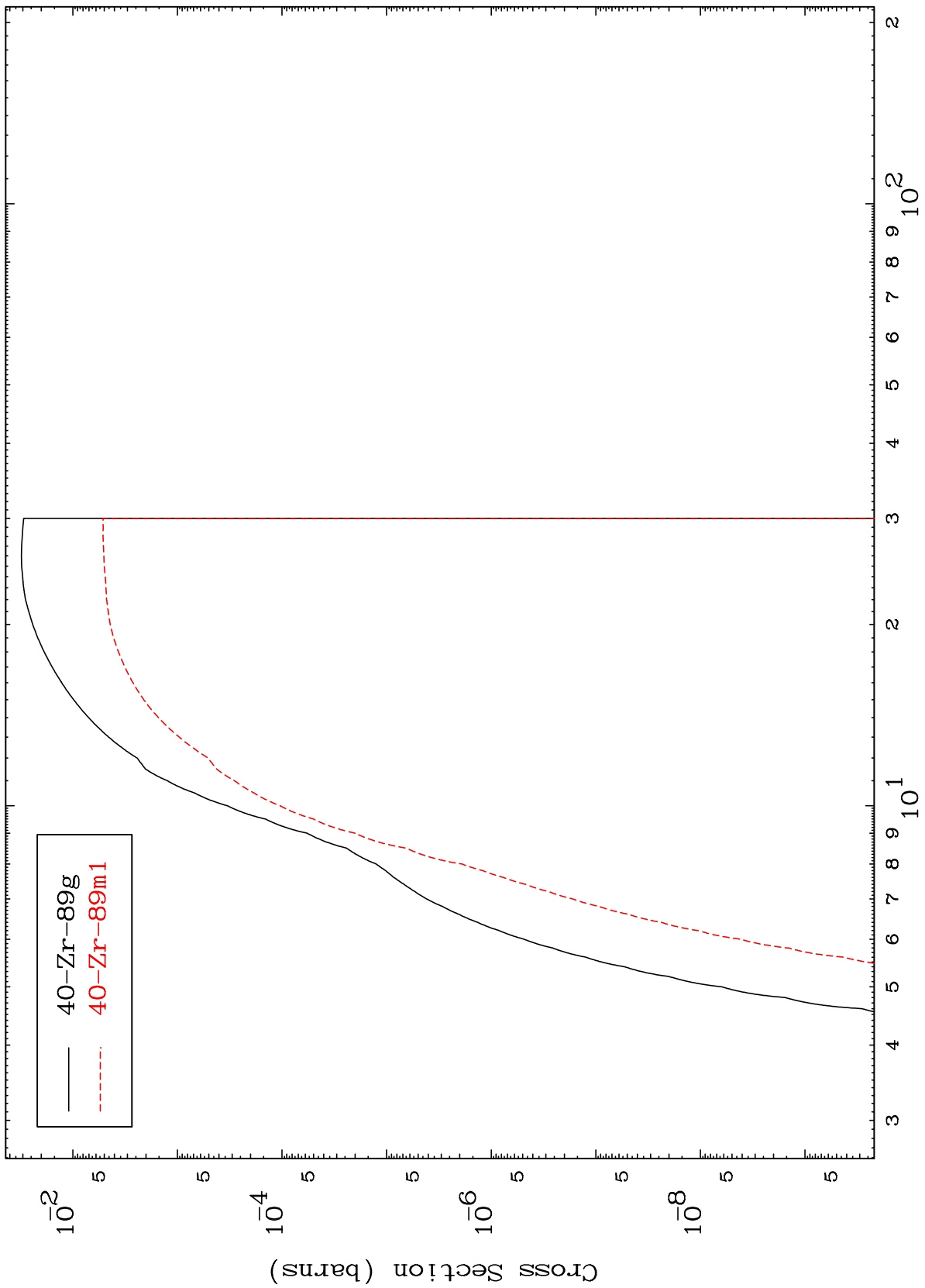


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(n,d)

41-Nb-90

Radionuclide Production Cross Section



32

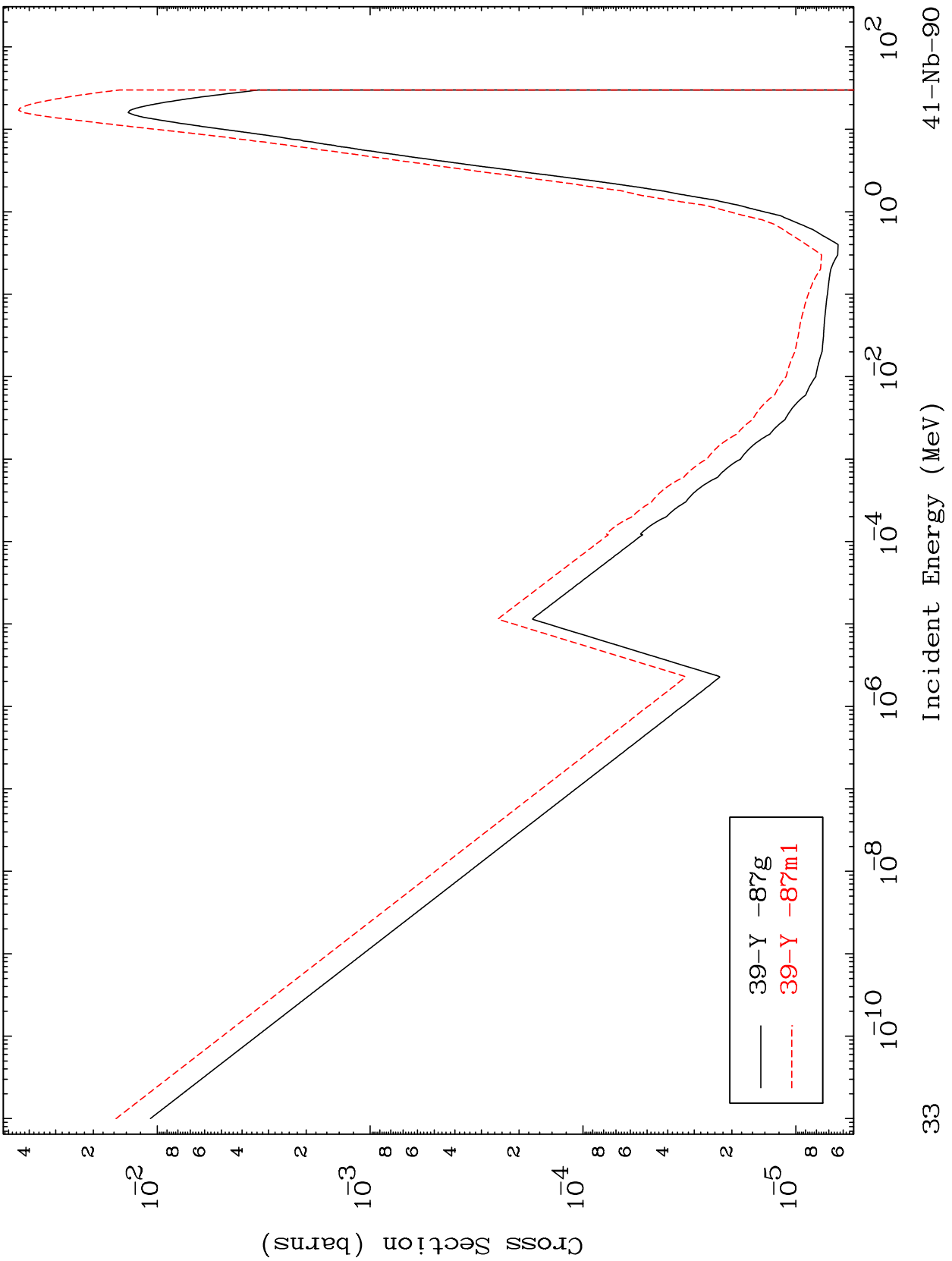
Incident Energy (MeV)

41-Nb-90

MAT 4117

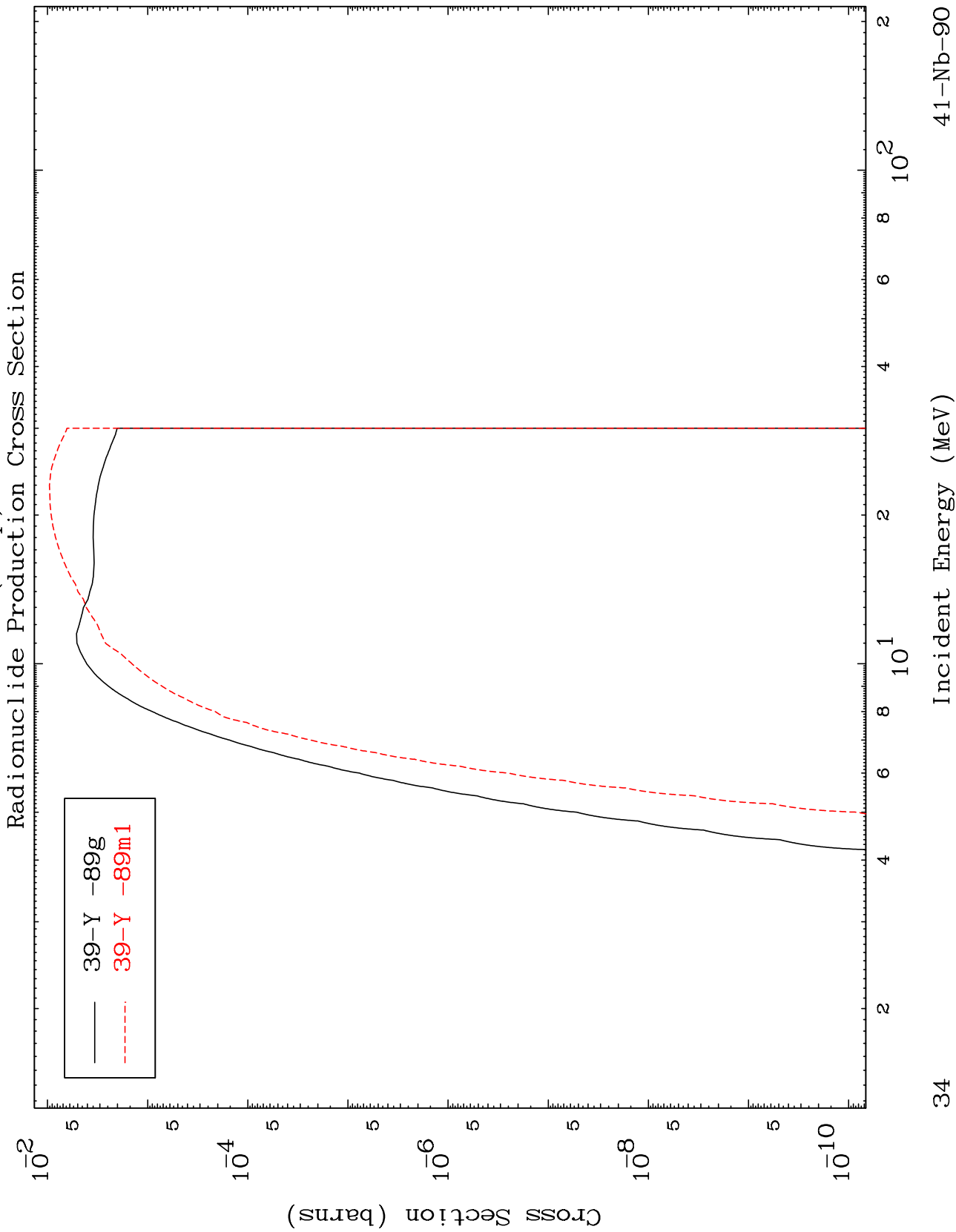
41-Nb-90

Radionuclide Production Cross Section



MAT 4117

41-Nb-90

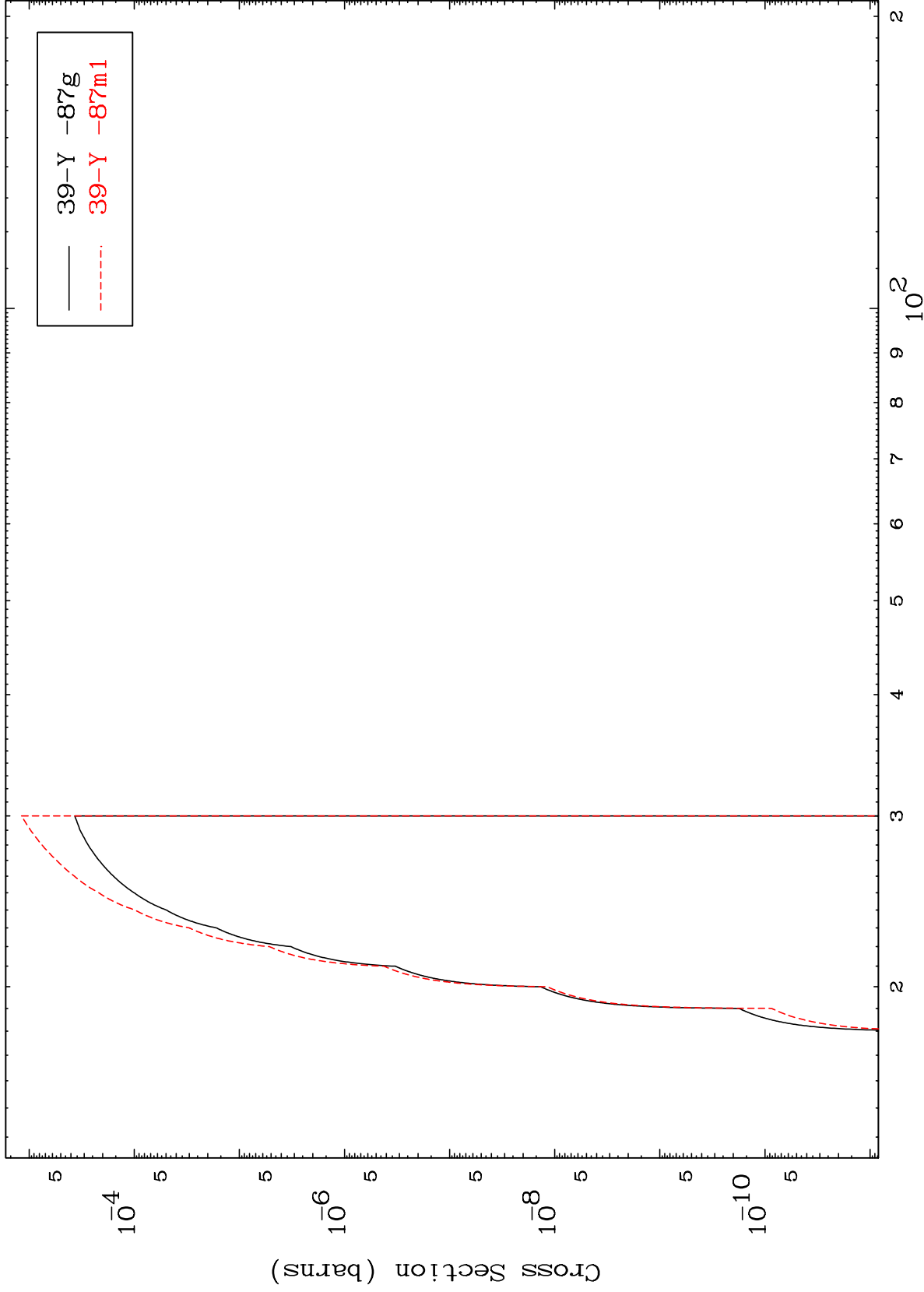


MAT 4117

(n,p) t

41-Nb-90

Radionuclide Production Cross Section



35

Incident Energy (MeV)

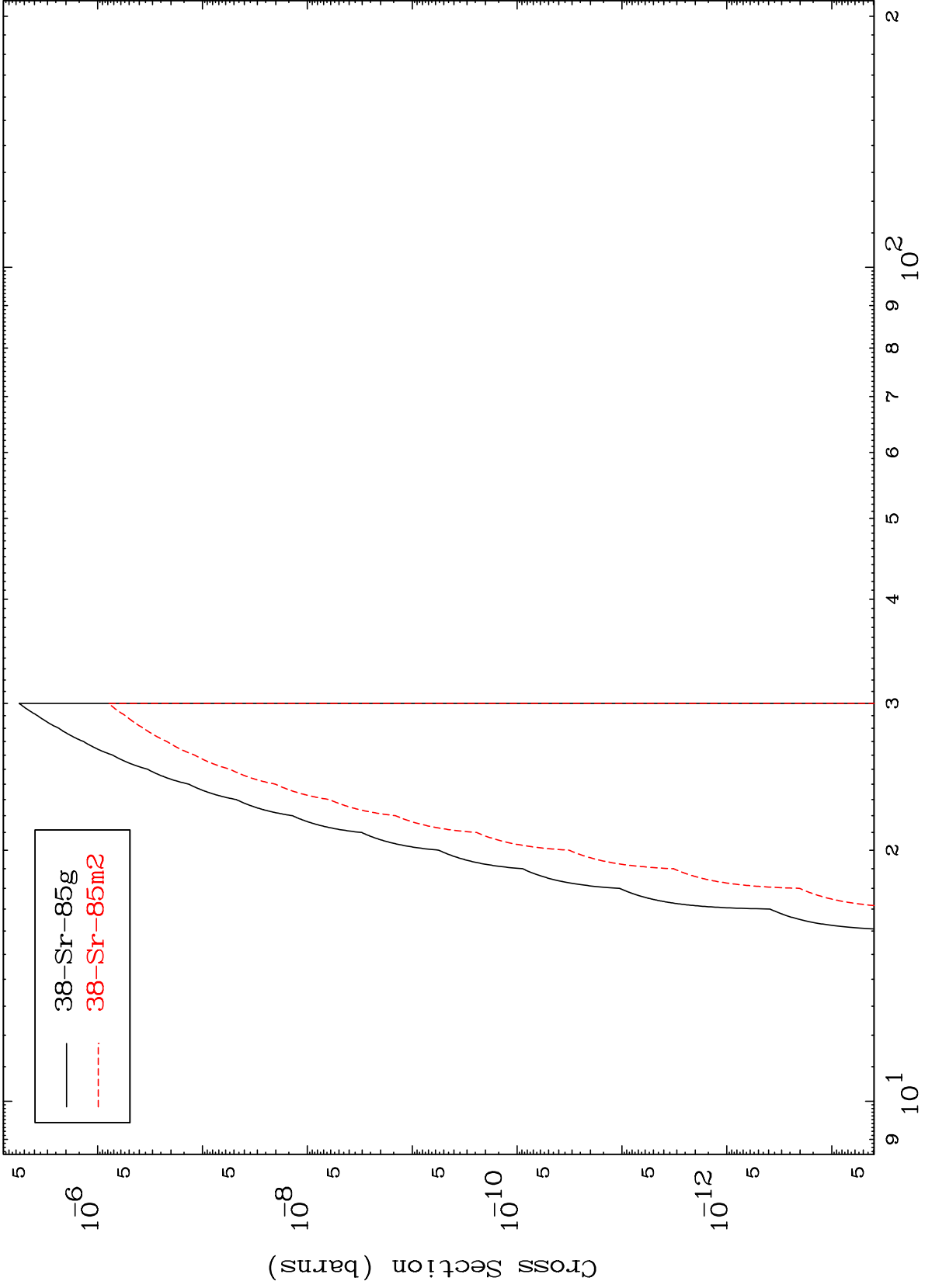
41-Nb-90

MAT 4117

(n,d) α

41-Nb-90

Radionuclide Production Cross Section



36

Incident Energy (MeV)

41-Nb-90