

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

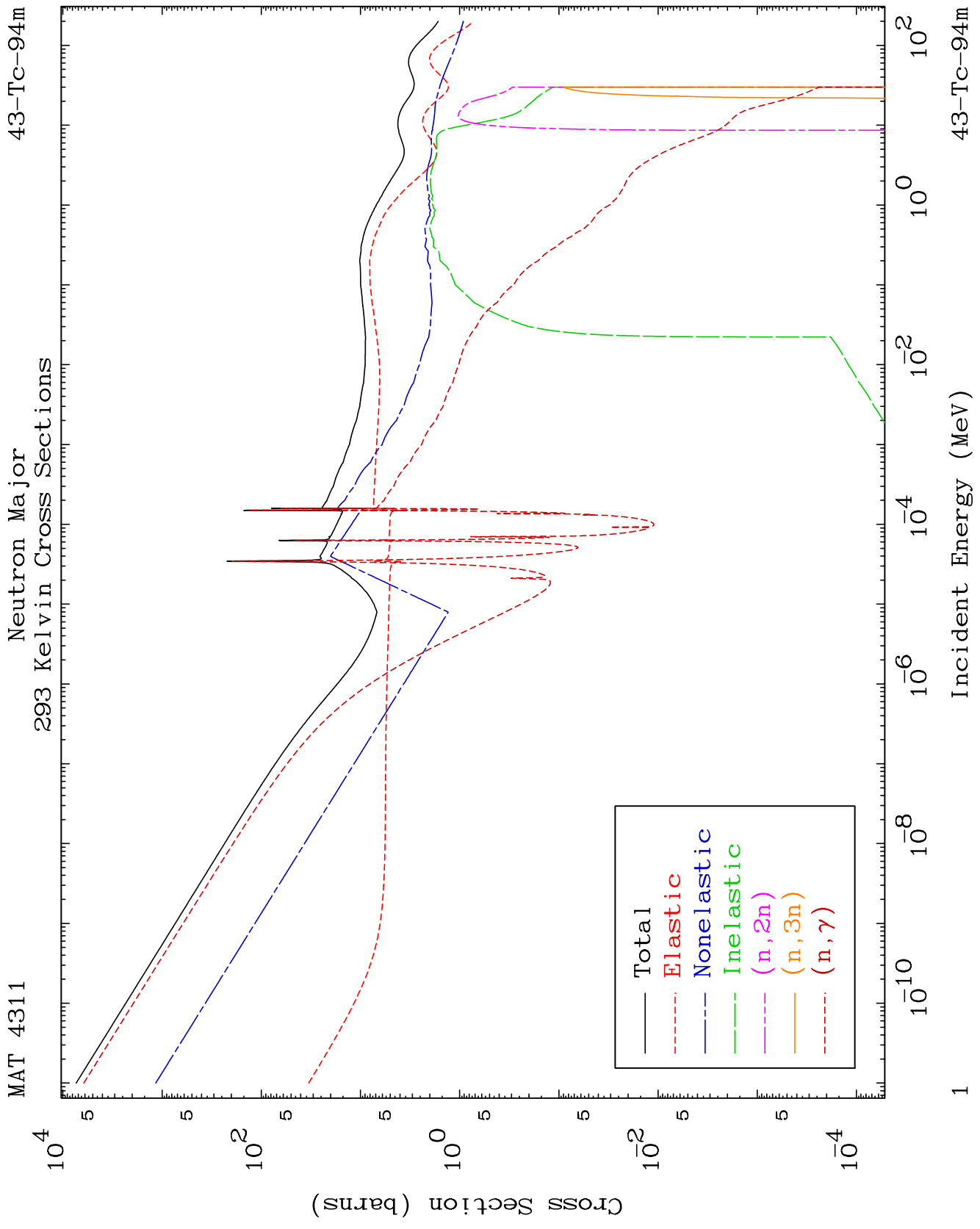
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Web:redcullen1.net/HOMEPAGE.NEW

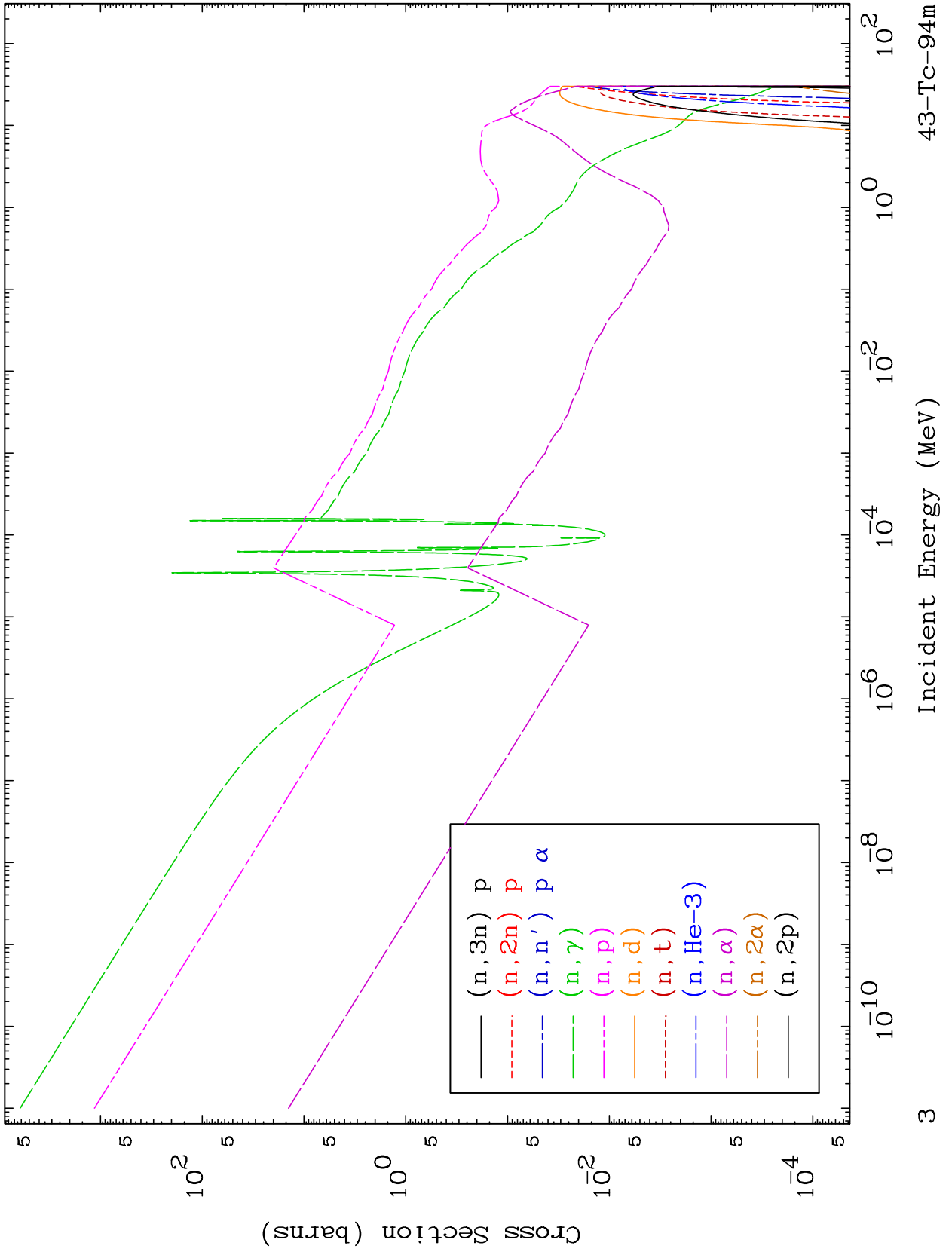
Press Mouse Button to Start



MAT 4311

Neutron Absorption
293 Kelvin Cross Sections

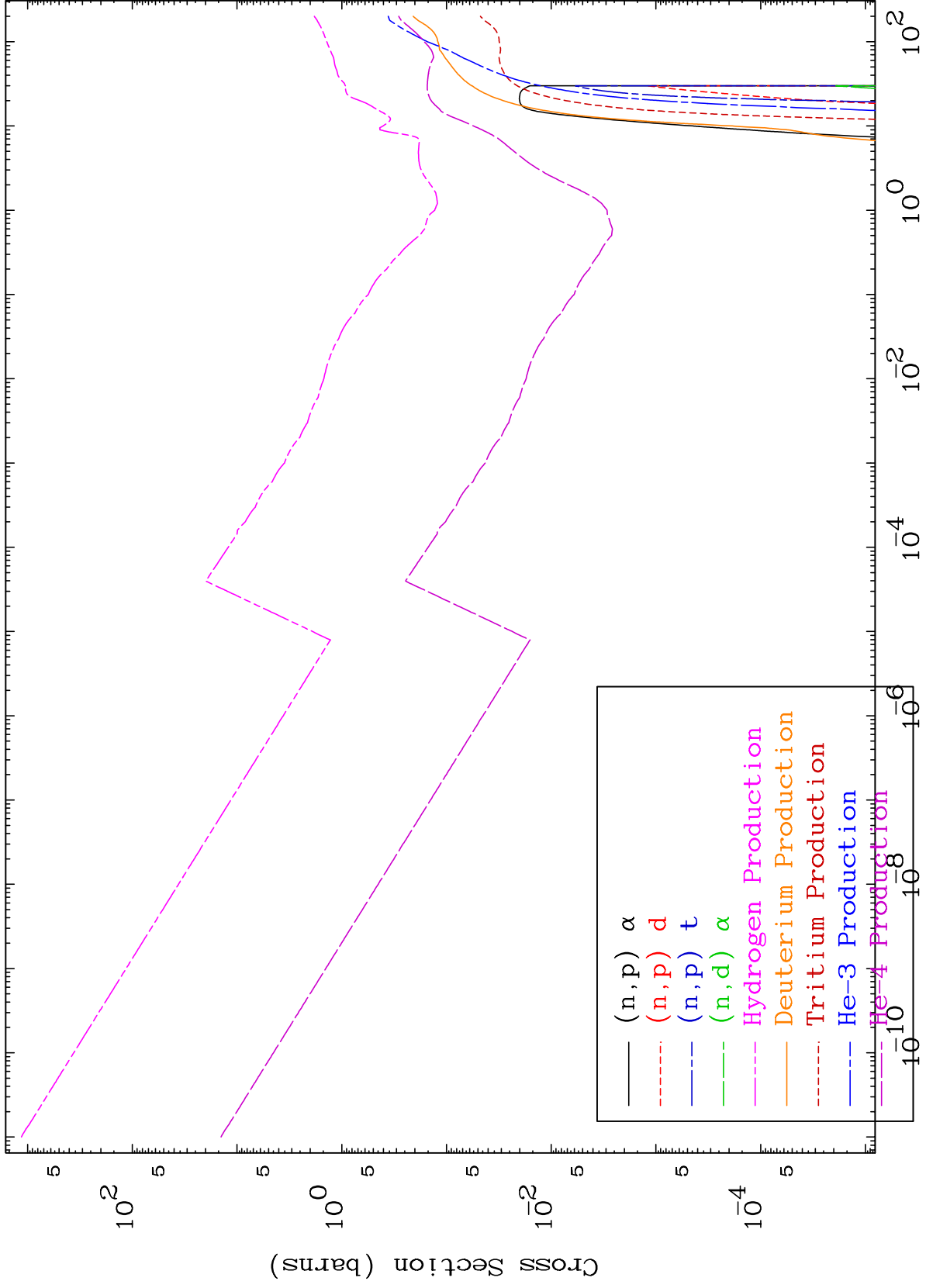
43-Tc-94m



MAT 4311

Neutron Absorption
293 Kelvin Cross Sections

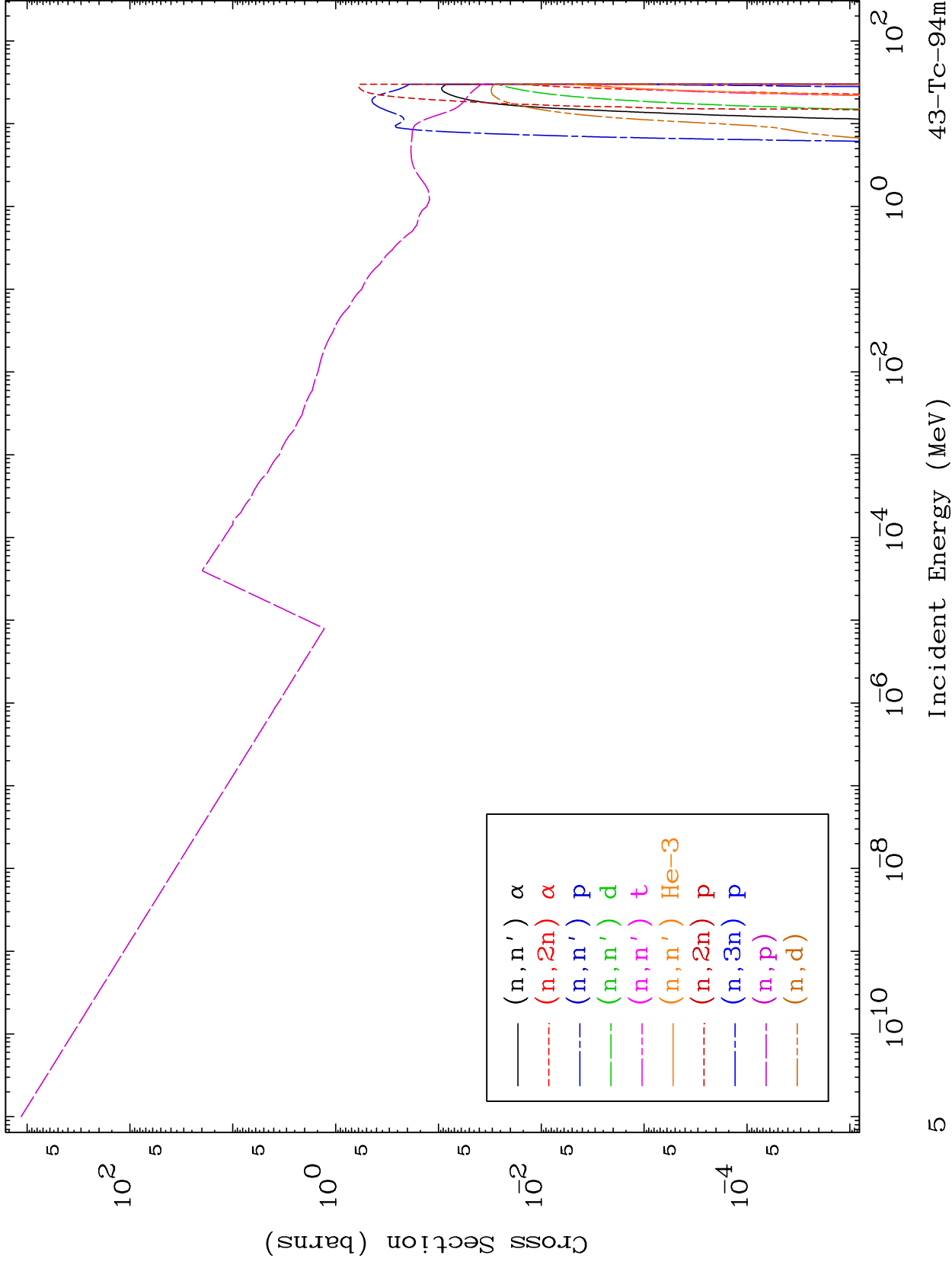
43-Tc-94m



MAT 4311

Charged Particle
293 Kelvin Cross Sections

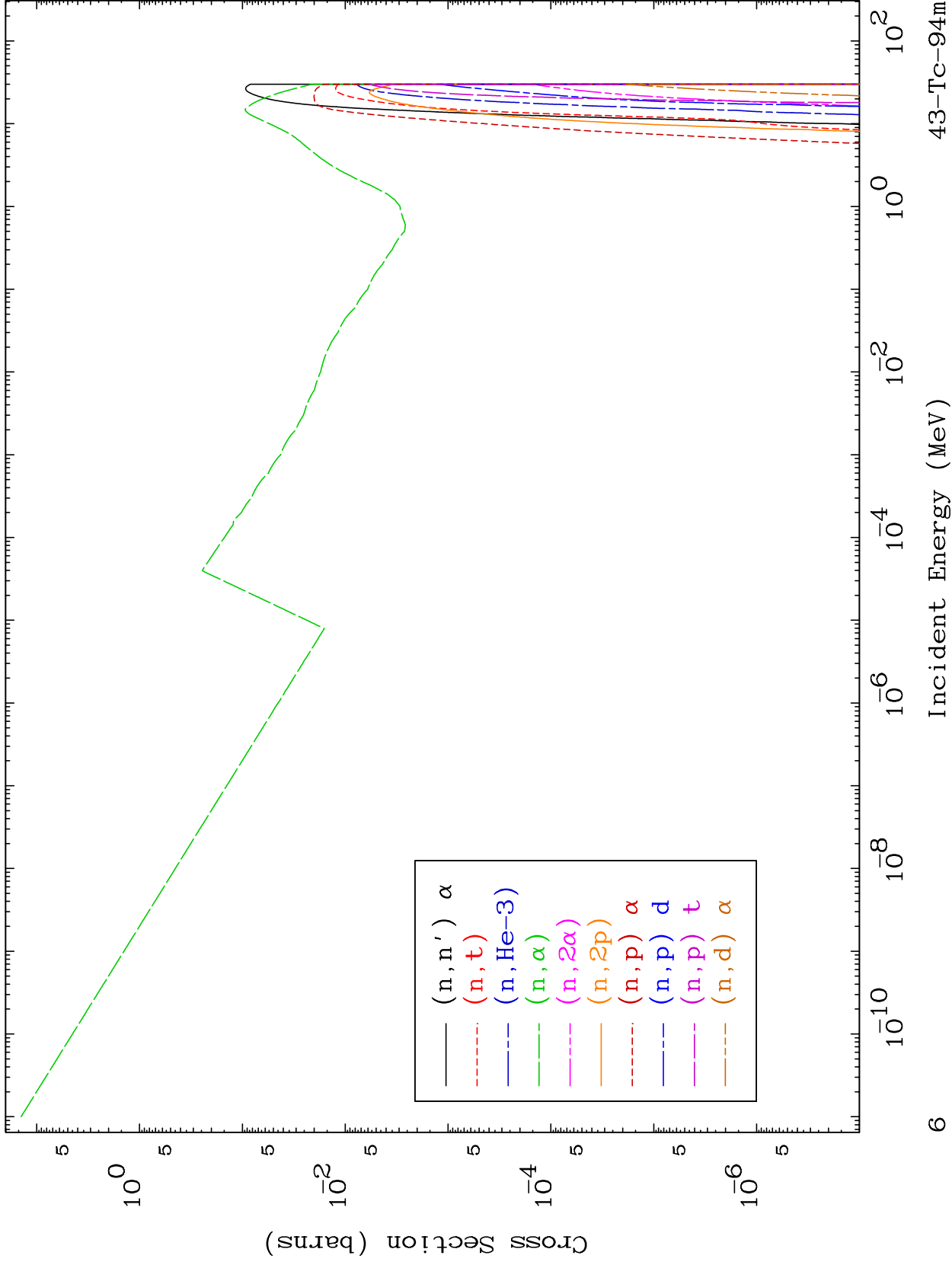
43-Tc-94m



MAT 4311

Charged Particle
293 Kelvin Cross Sections

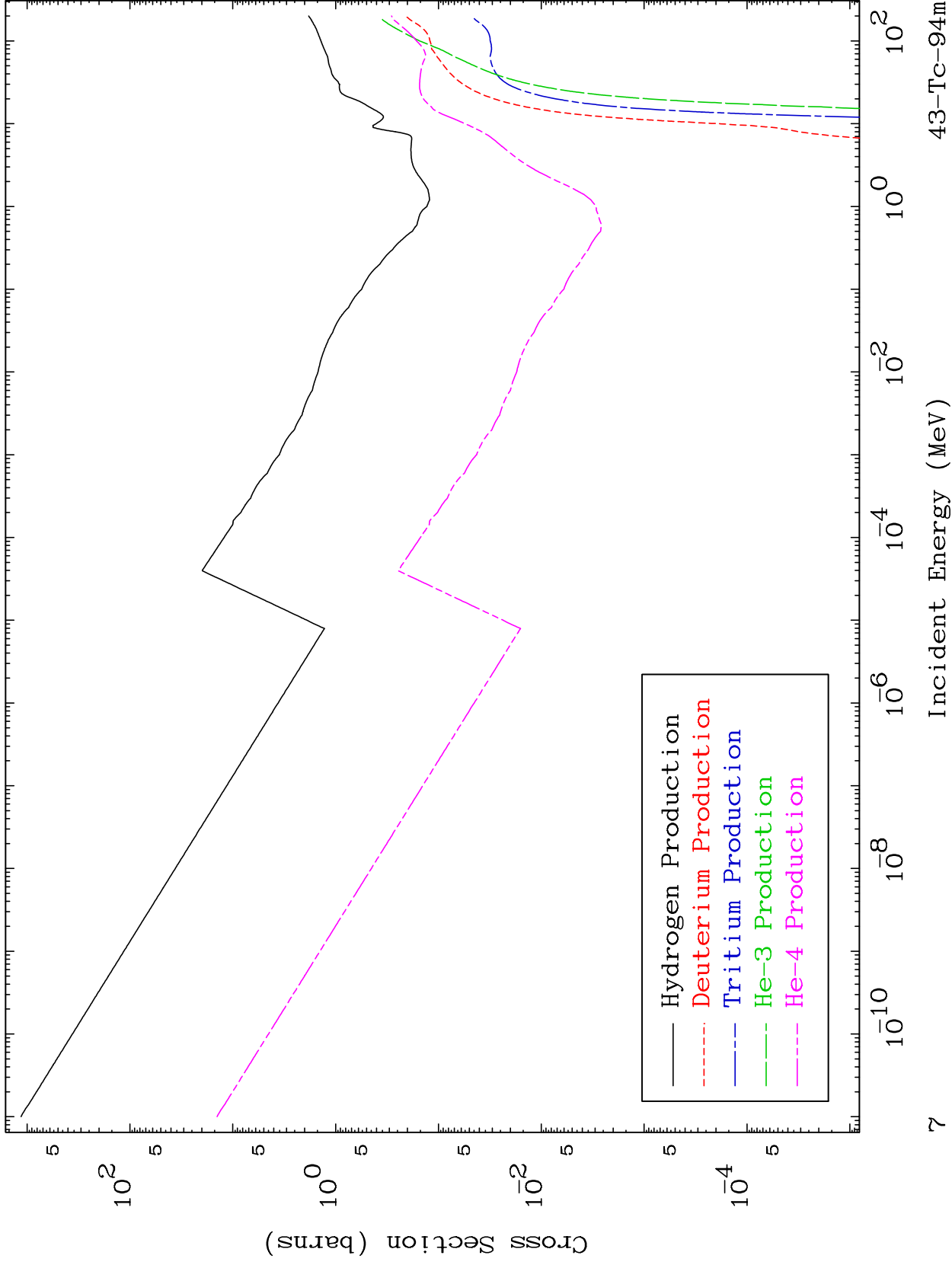
43-Tc-94m



MAT 4311

Particle Production
293 Kelvin Cross Sections

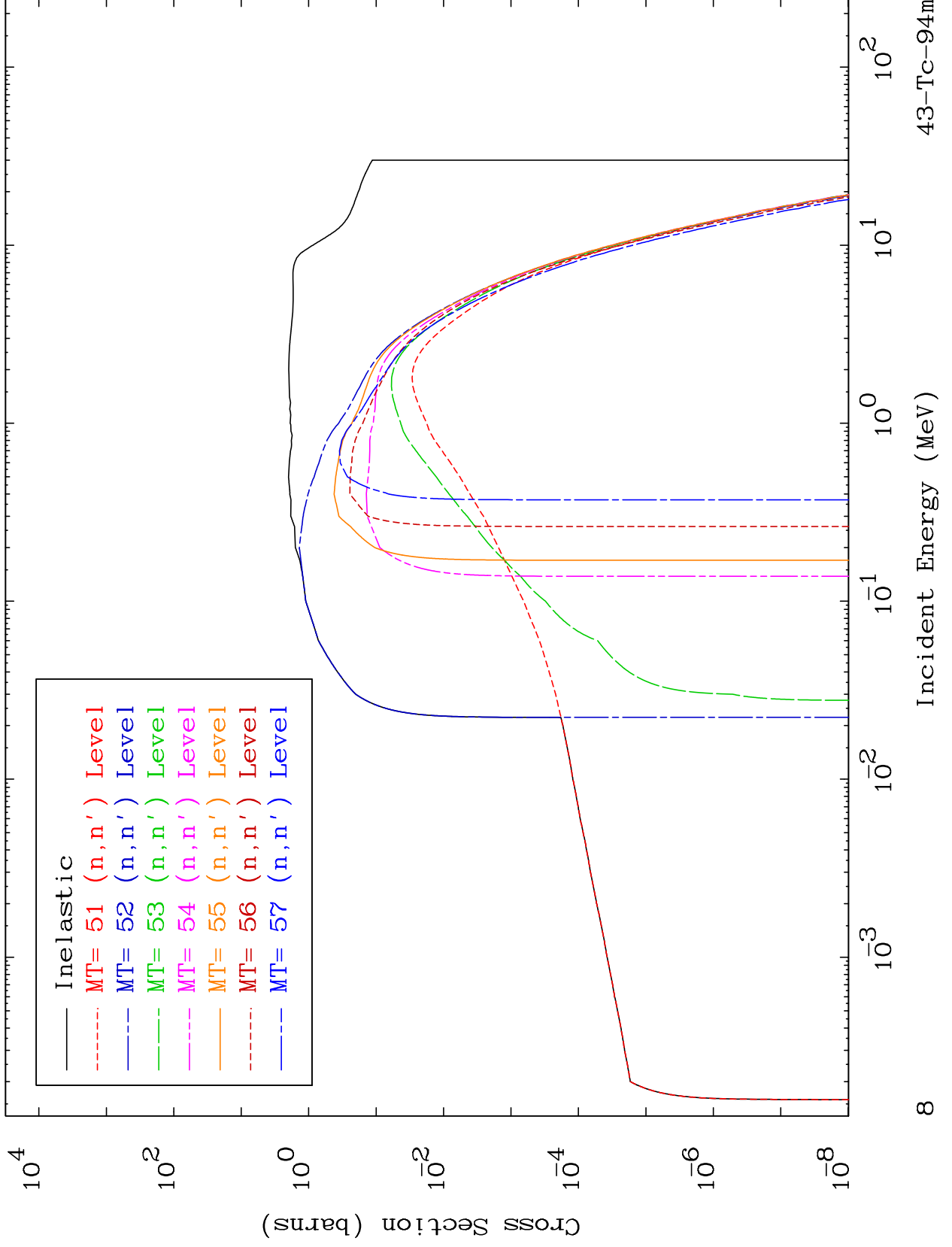
43-Tc-94m



MAT 4311

(n,n') Levels
293 Kelvin Cross Sections

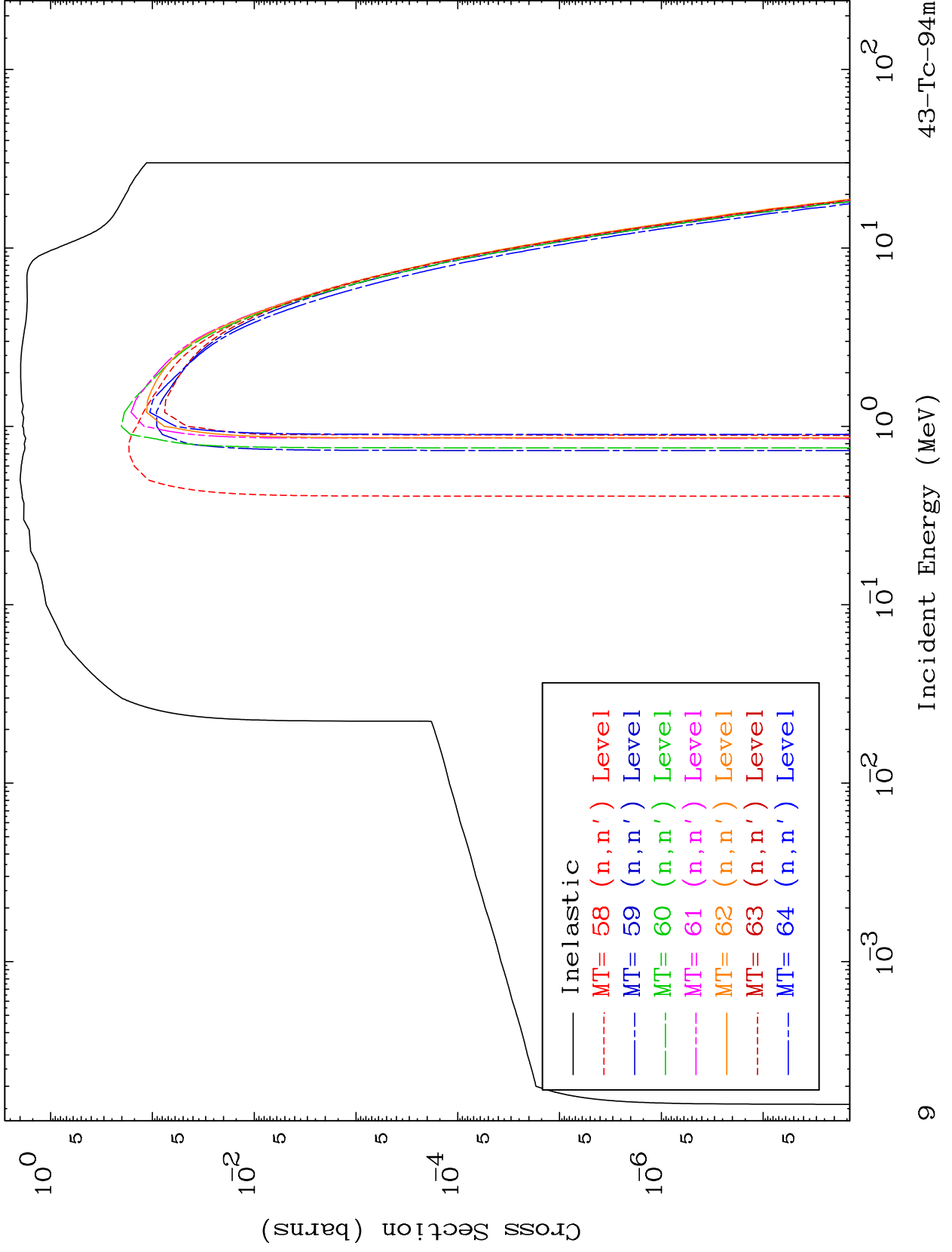
43-Tc-94m



MAT 4311

(n,n') Levels
293 Kelvin Cross Sections

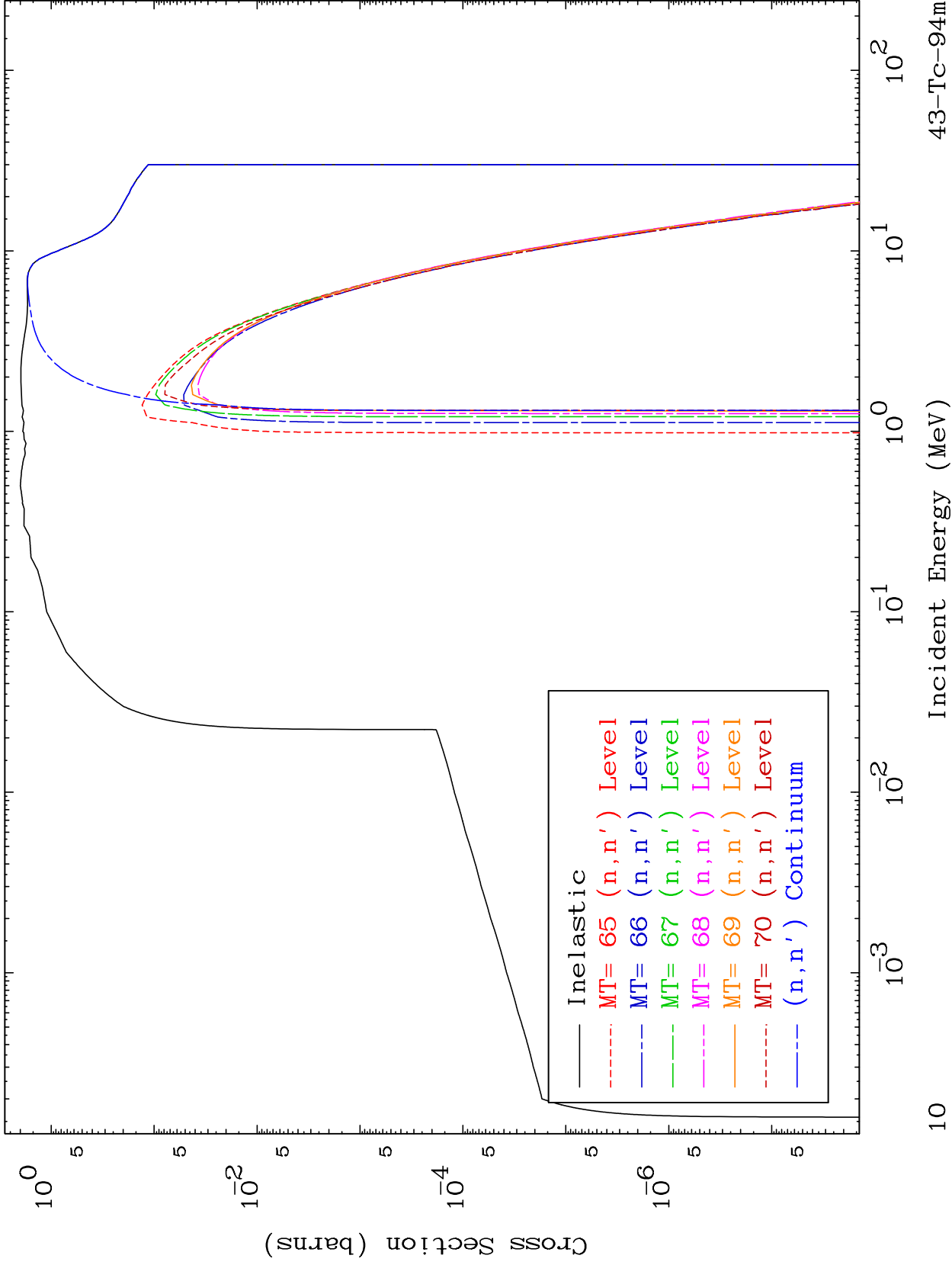
43-Tc-94m



MAT 4311

(n,n') Levels
293 Kelvin Cross Sections

43-Tc-94m



10

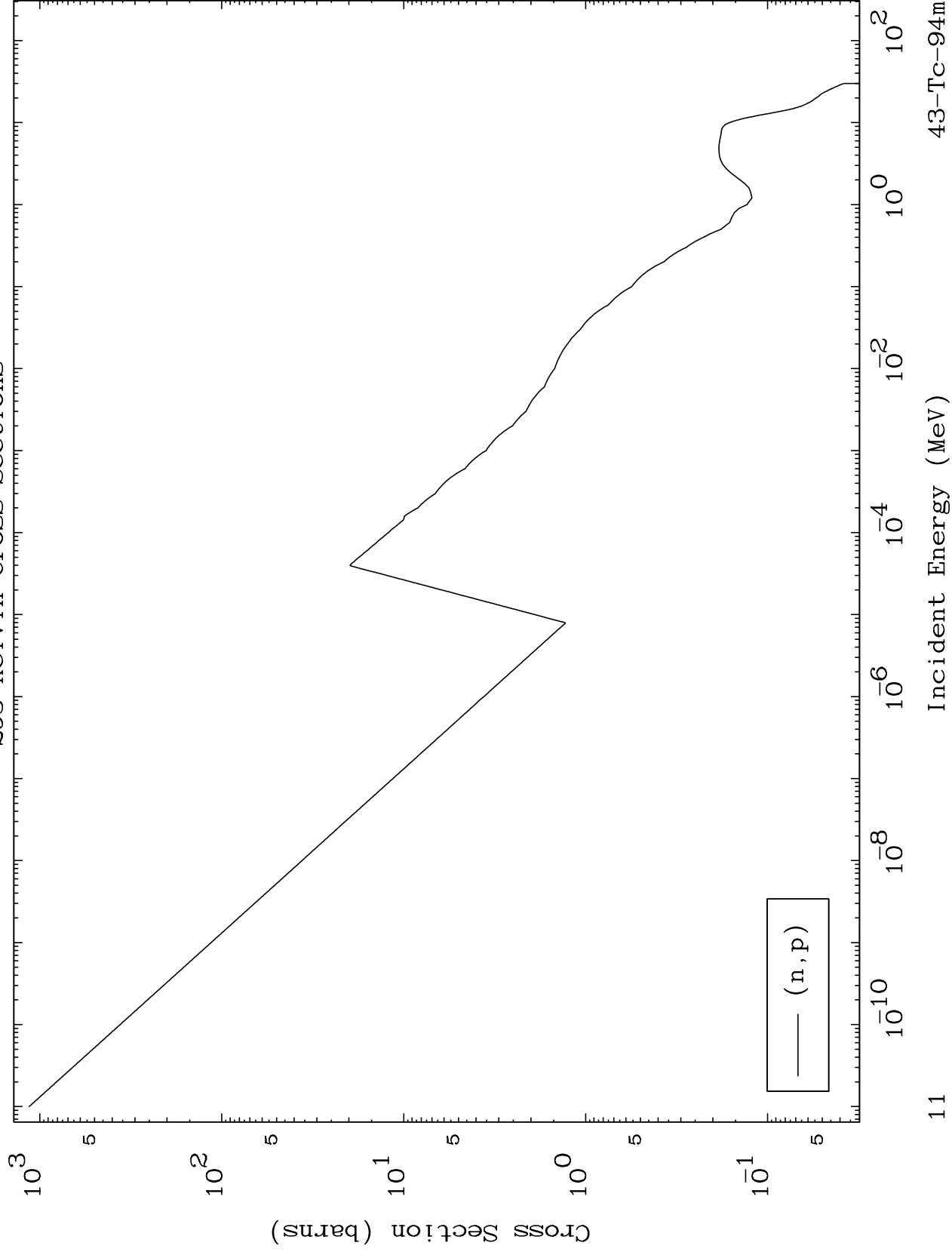
Incident Energy (MeV)

43-Tc-94m

MAT 4311

(n,p) Levels
293 Kelvin Cross Sections

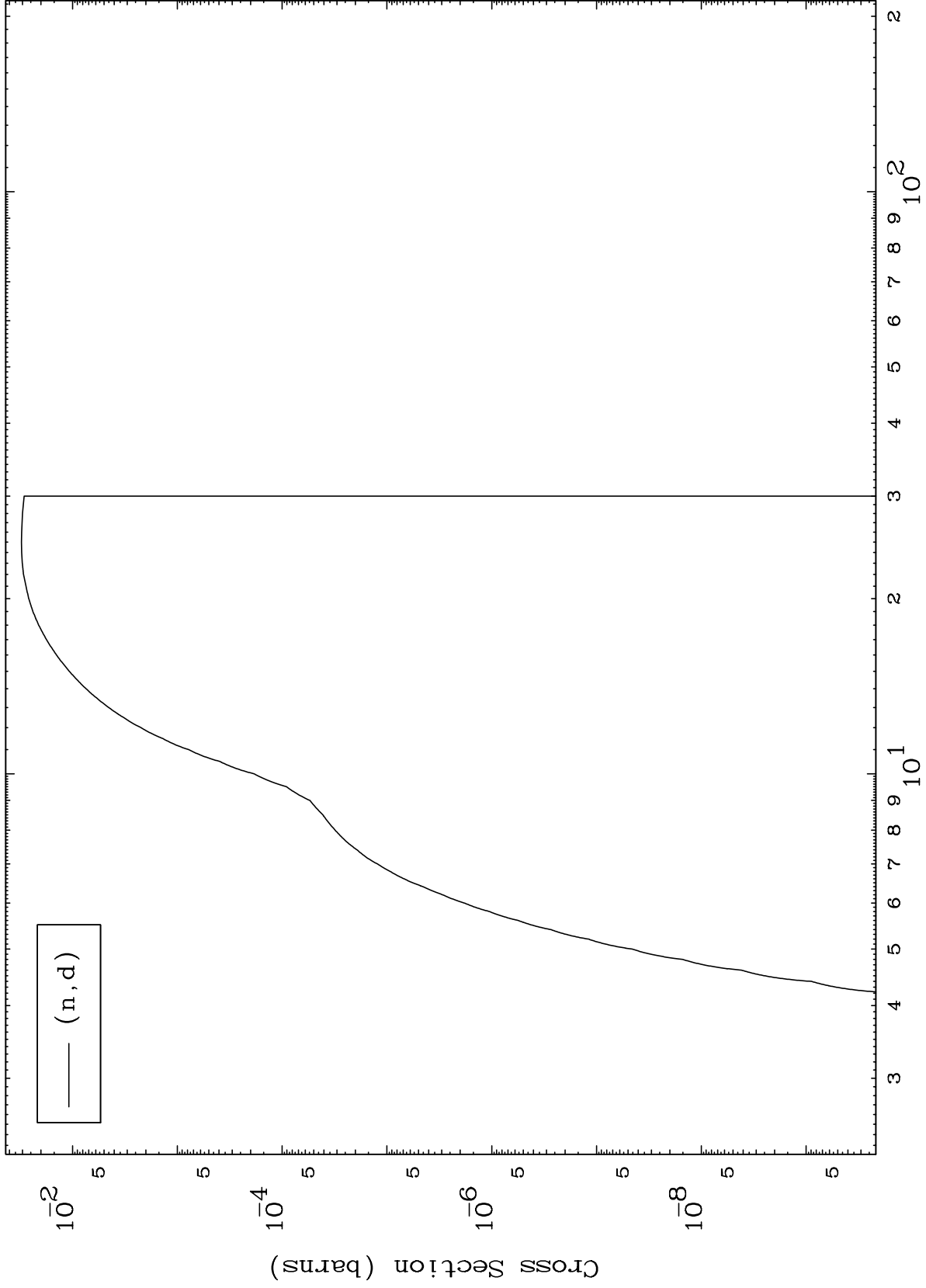
43-Tc-94m



MAT 4311

(n,d) Levels
293 Kelvin Cross Sections

43-Tc-94m



12

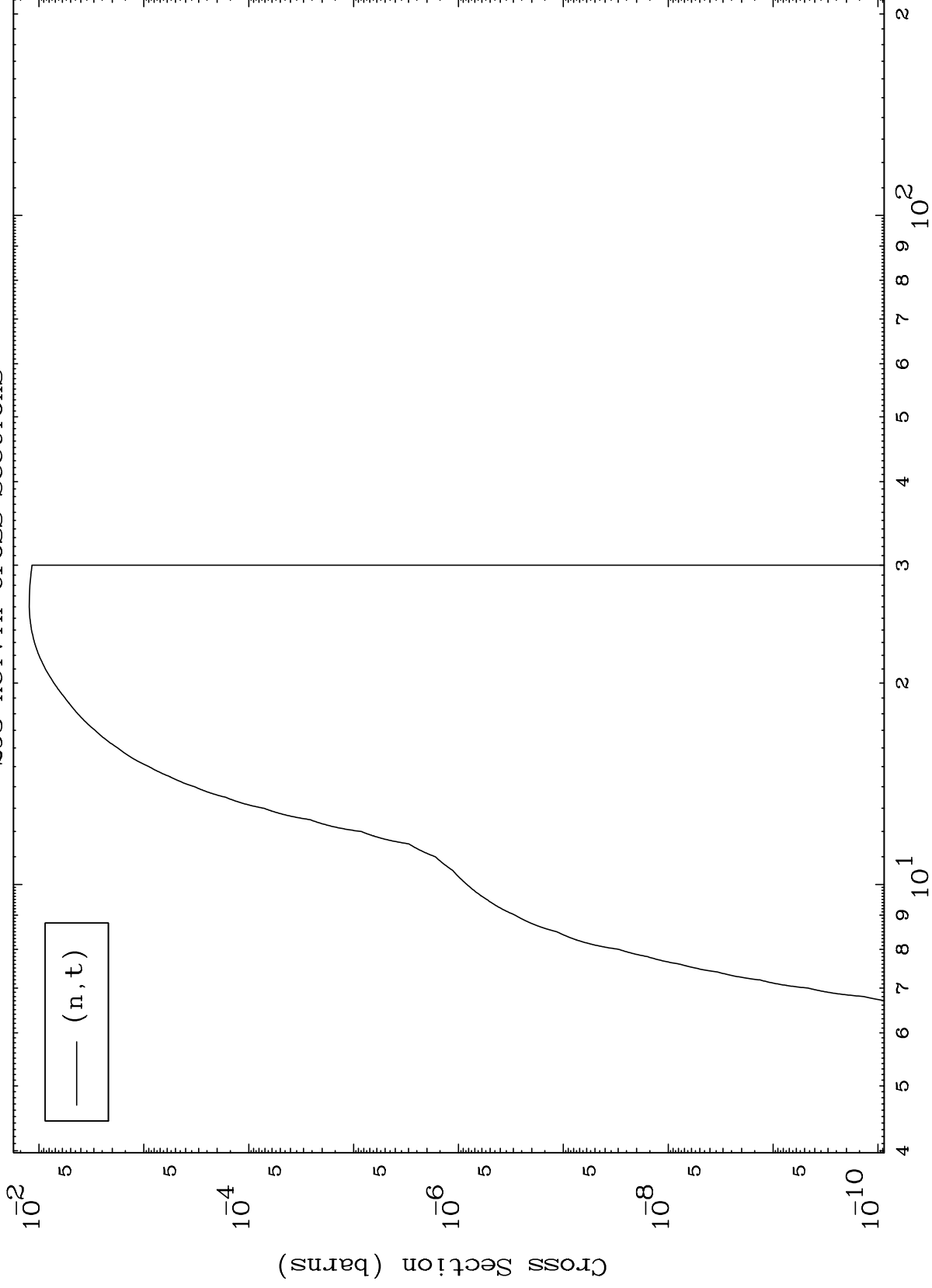
Incident Energy (MeV)

43-Tc-94m

MAT 4311

(n,t) Levels
293 Kelvin Cross Sections

43-Tc-94m



13

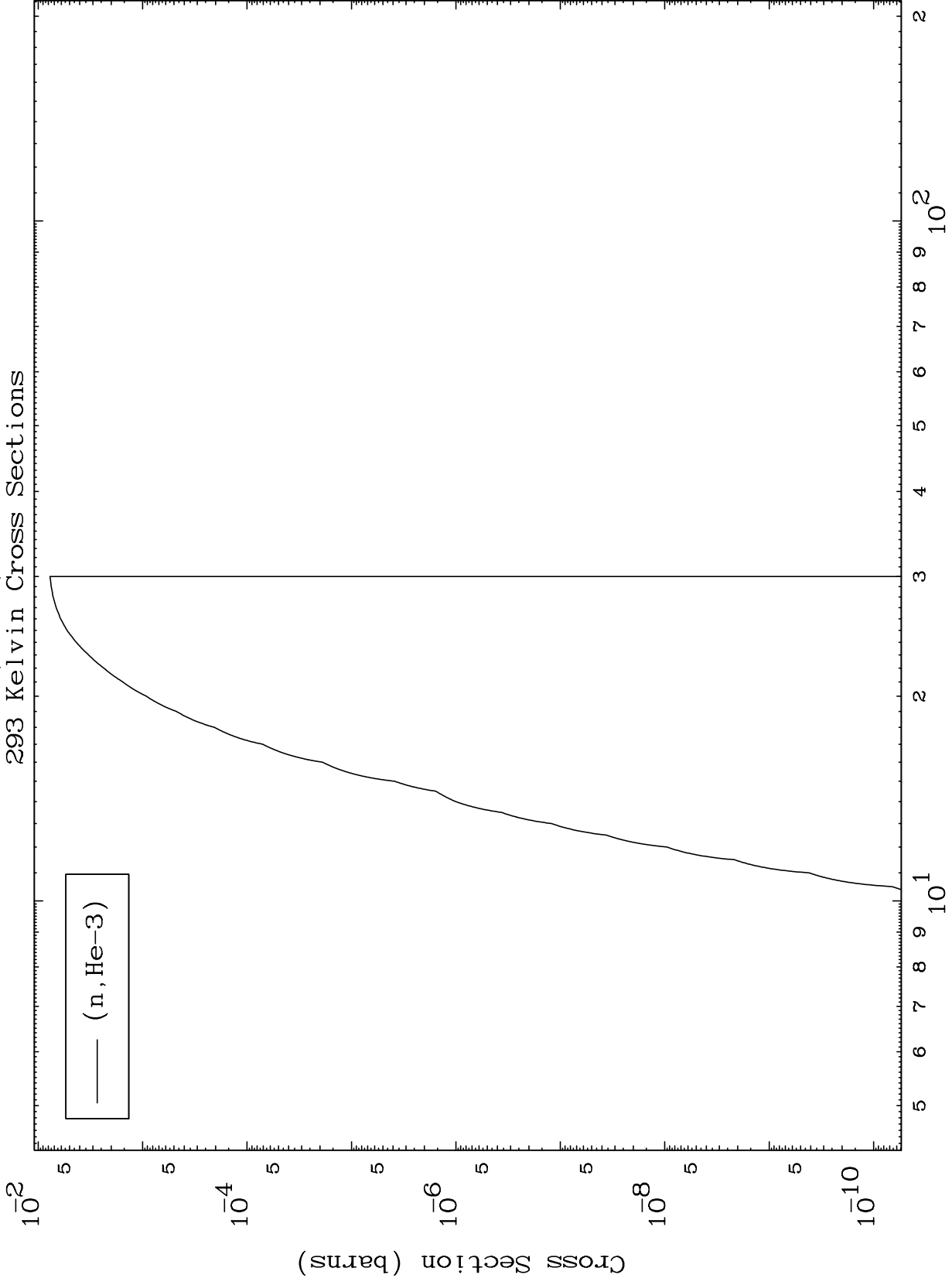
Incident Energy (MeV)

43-Tc-94m

MAT 4311

(n,He3) Levels
293 Kelvin Cross Sections

43-Tc-94m



14

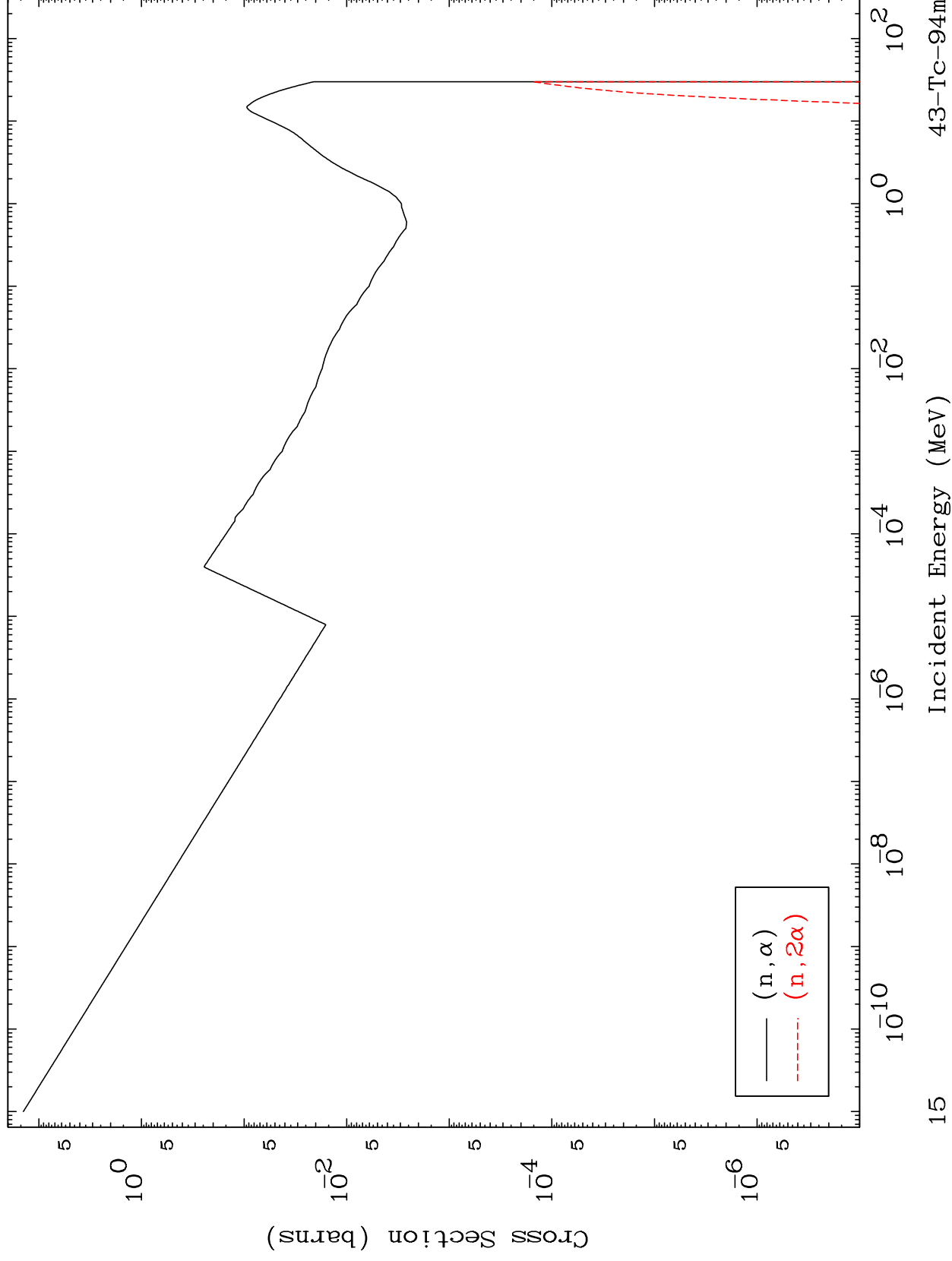
Incident Energy (MeV)

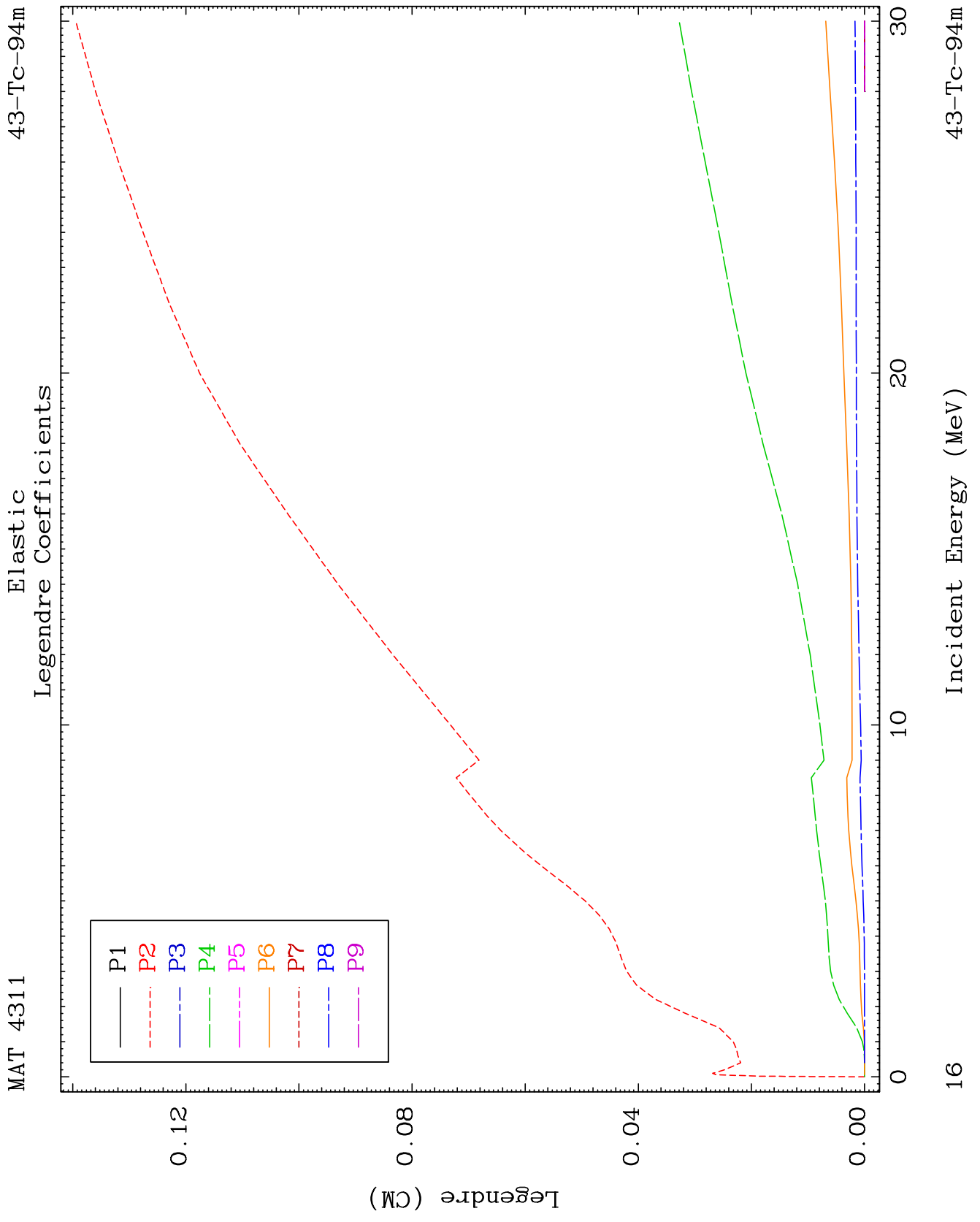
43-Tc-94m

MAT 4311

(n,α) Levels
293 Kelvin Cross Sections

43-Tc-94m

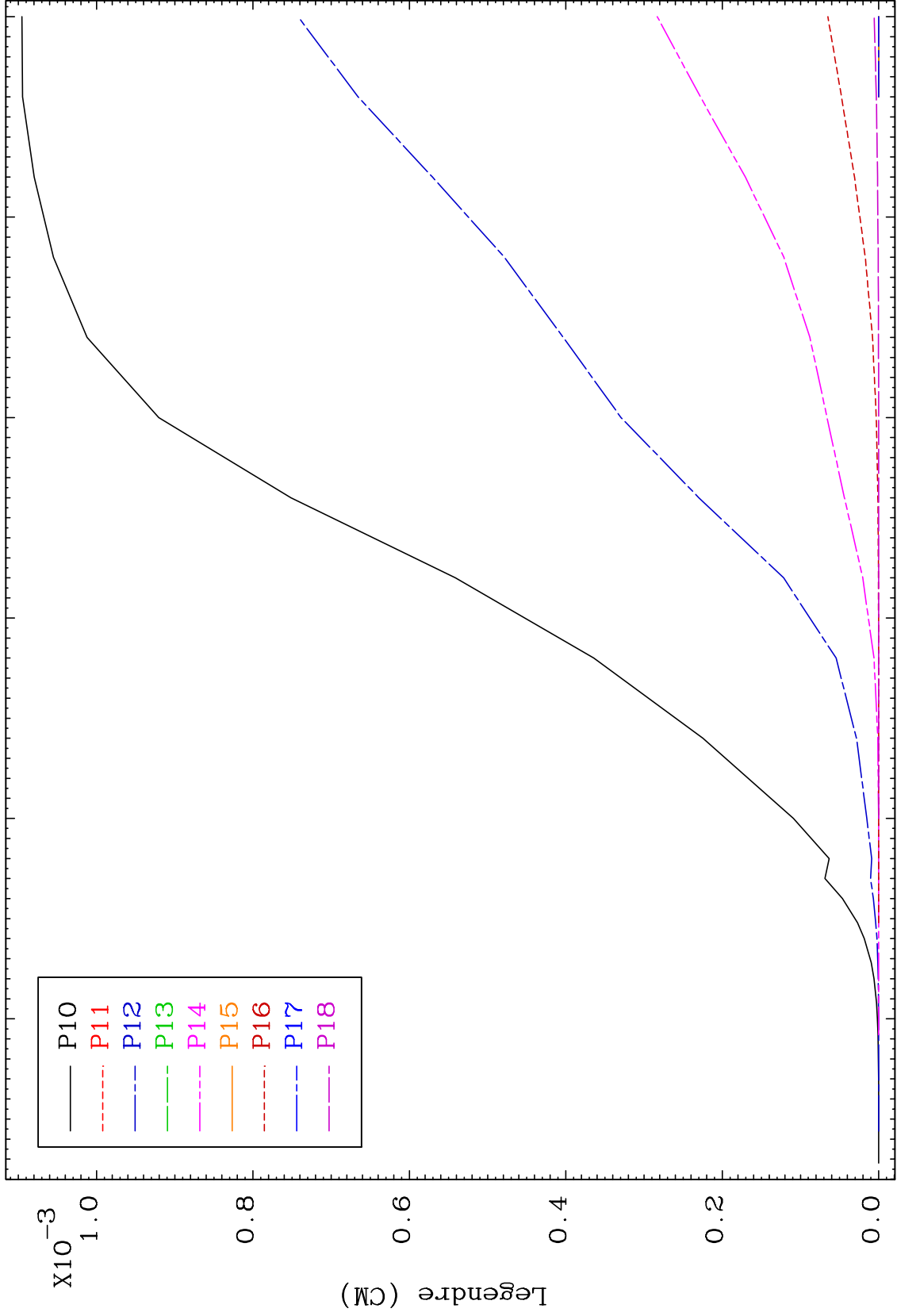




MAT 4311

Elastic Legendre Coefficients

43-Tc-94m



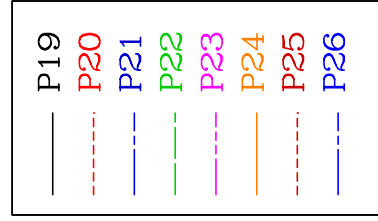
17

43-Tc-94m

MAT 4311

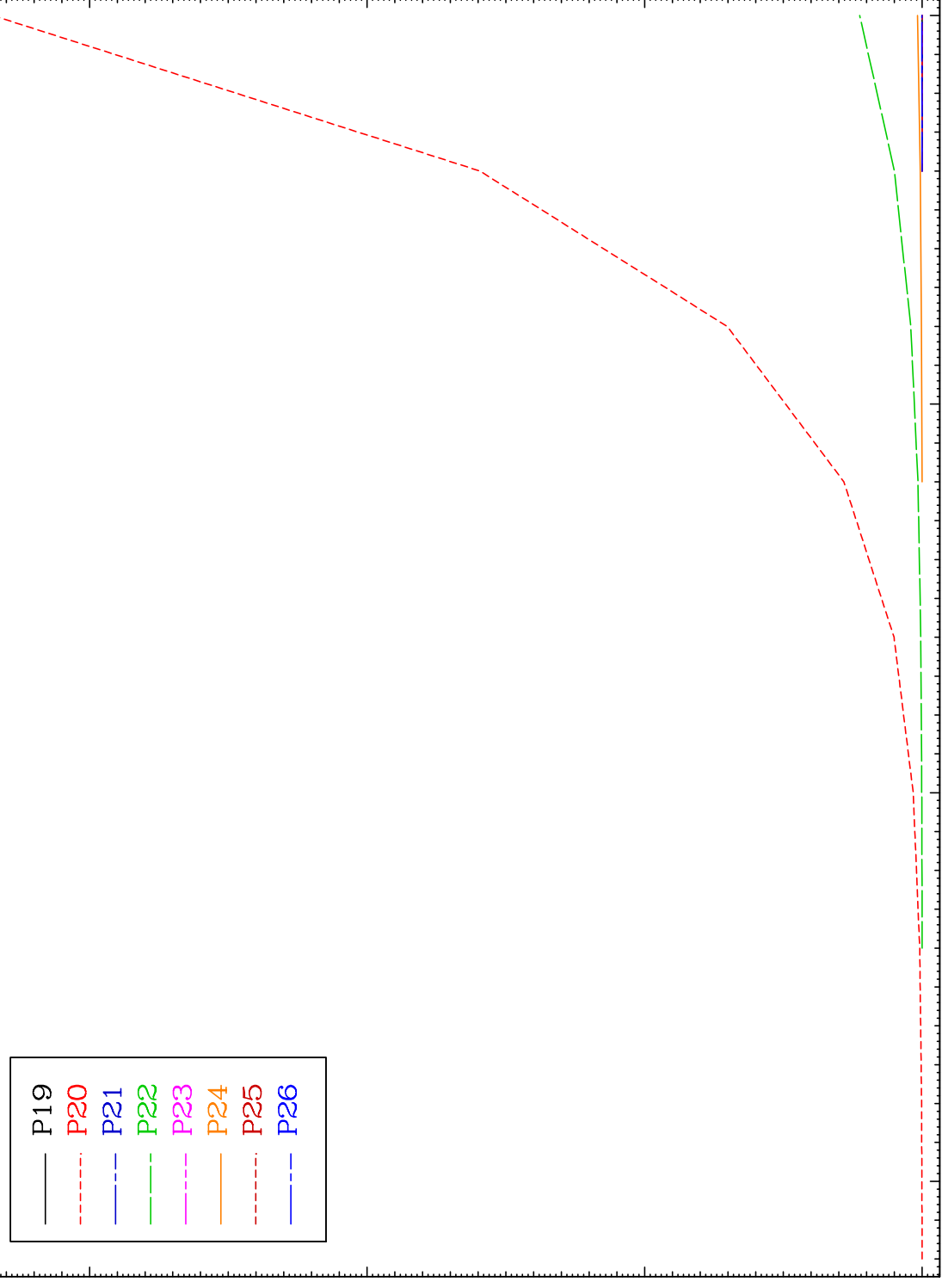
Elastic
Legendre Coefficients

43-Tc-94m



$\times 10^{-7}$

Legendre (CM)



18

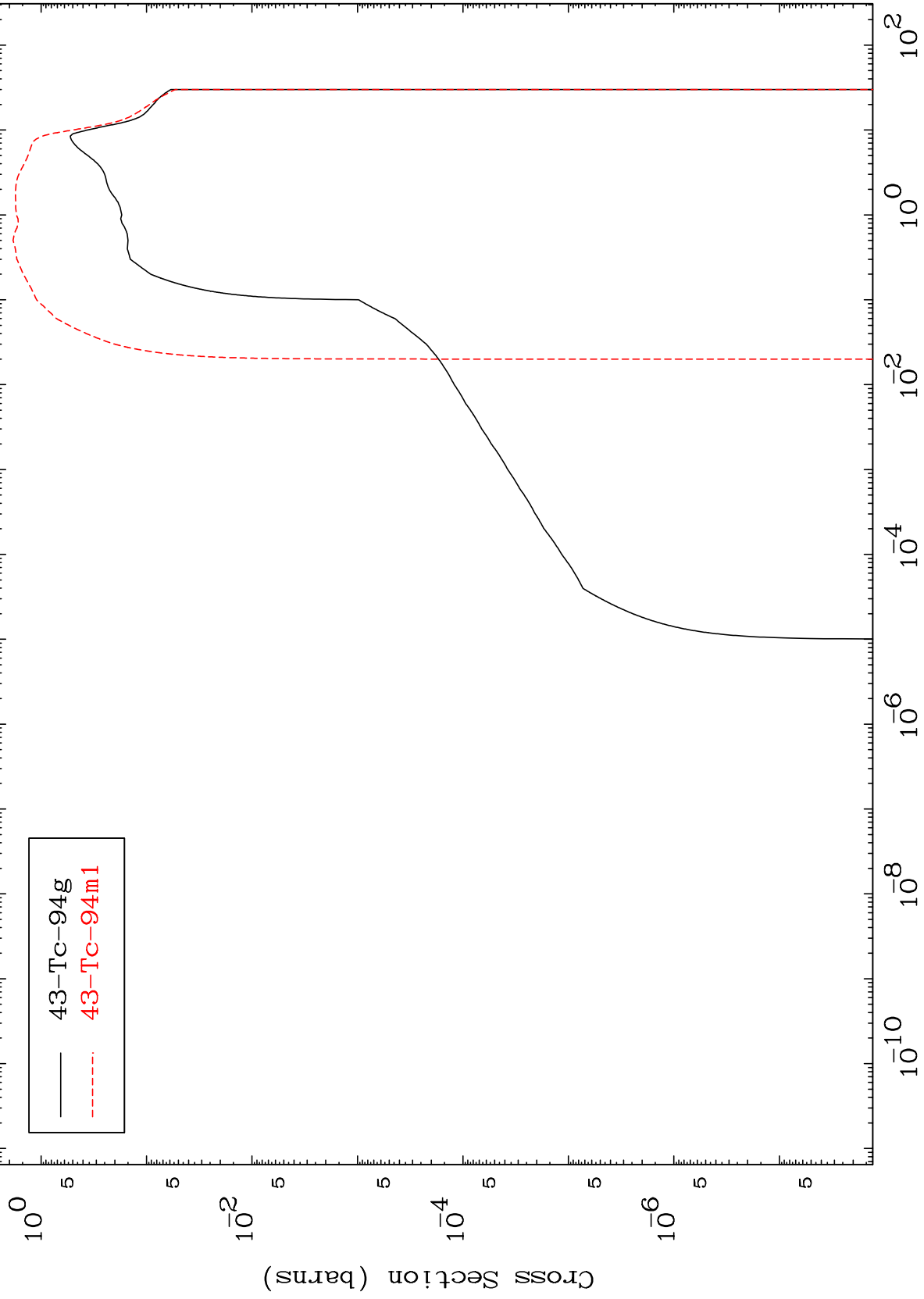
Incident Energy (MeV)

43-Tc-94m

MAT 4311

Inelastic
Radionuclide Production Cross Section

43-Tc-94m

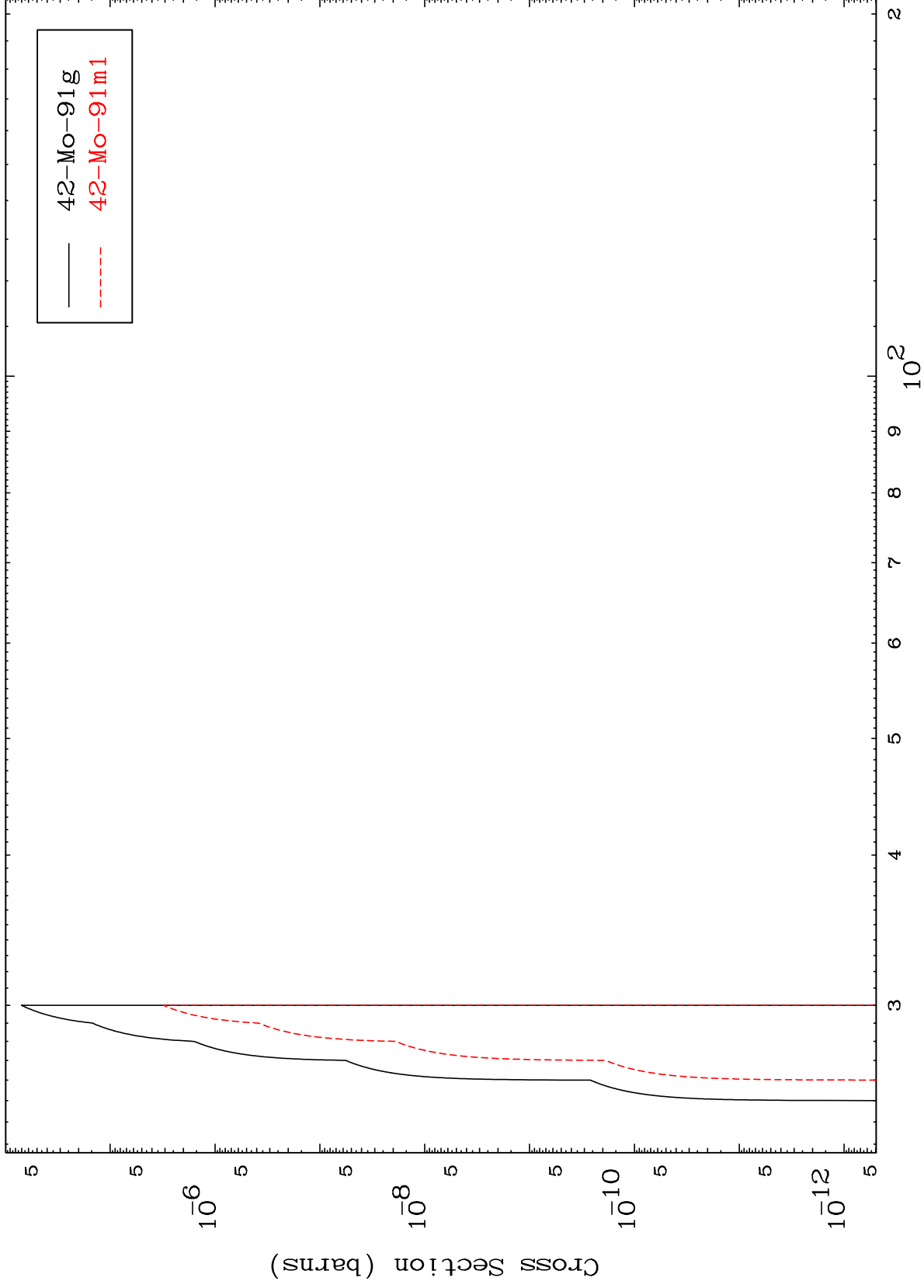


MAT 4311

(n,2n) d

43-Tc-94m

Radionuclide Production Cross Section



20

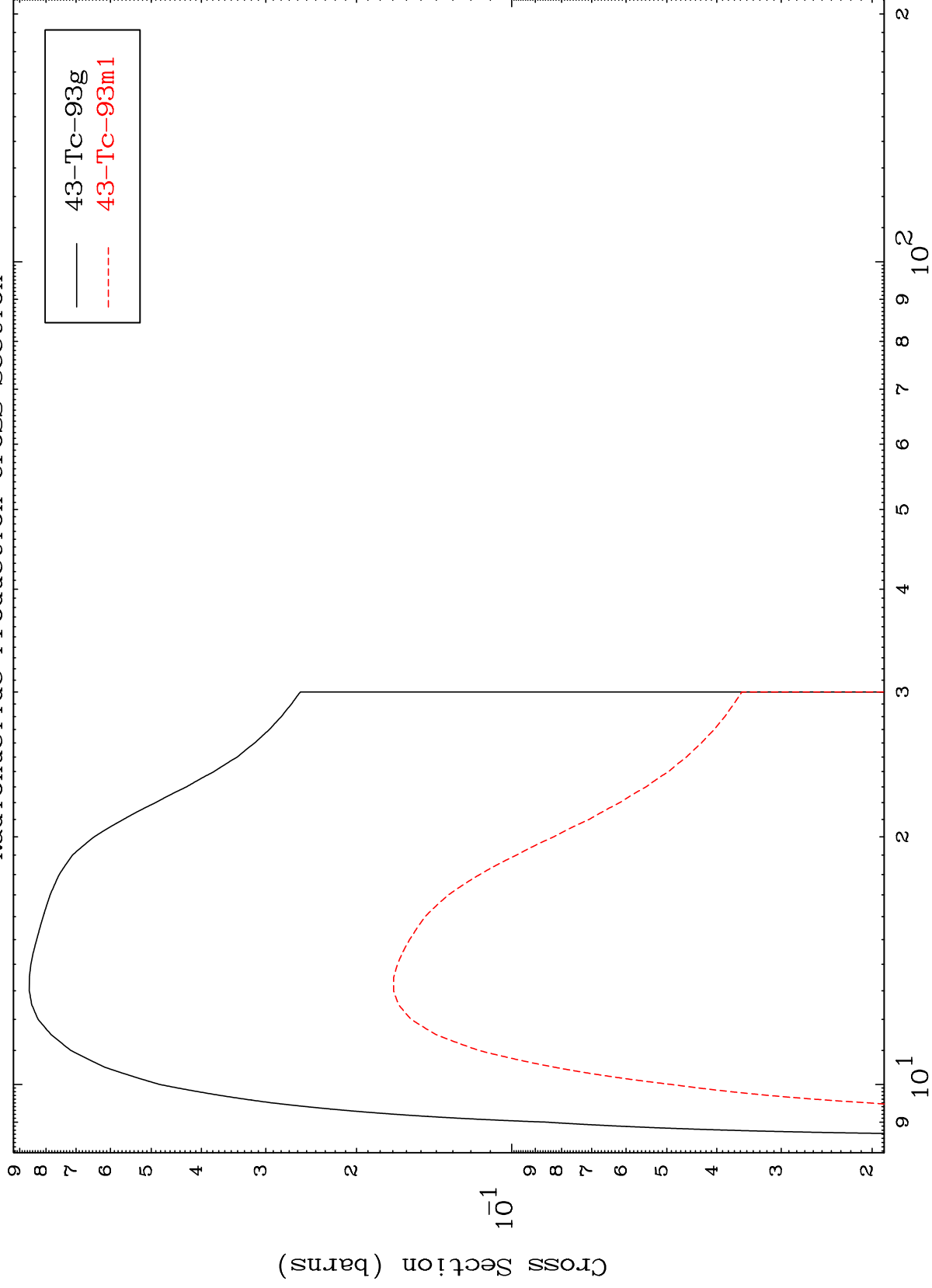
Incident Energy (MeV)

43-Tc-94m

MAT 4311

43-Tc-94m

(n,2n)
Radionuclide Production Cross Section



21

Incident Energy (MeV)

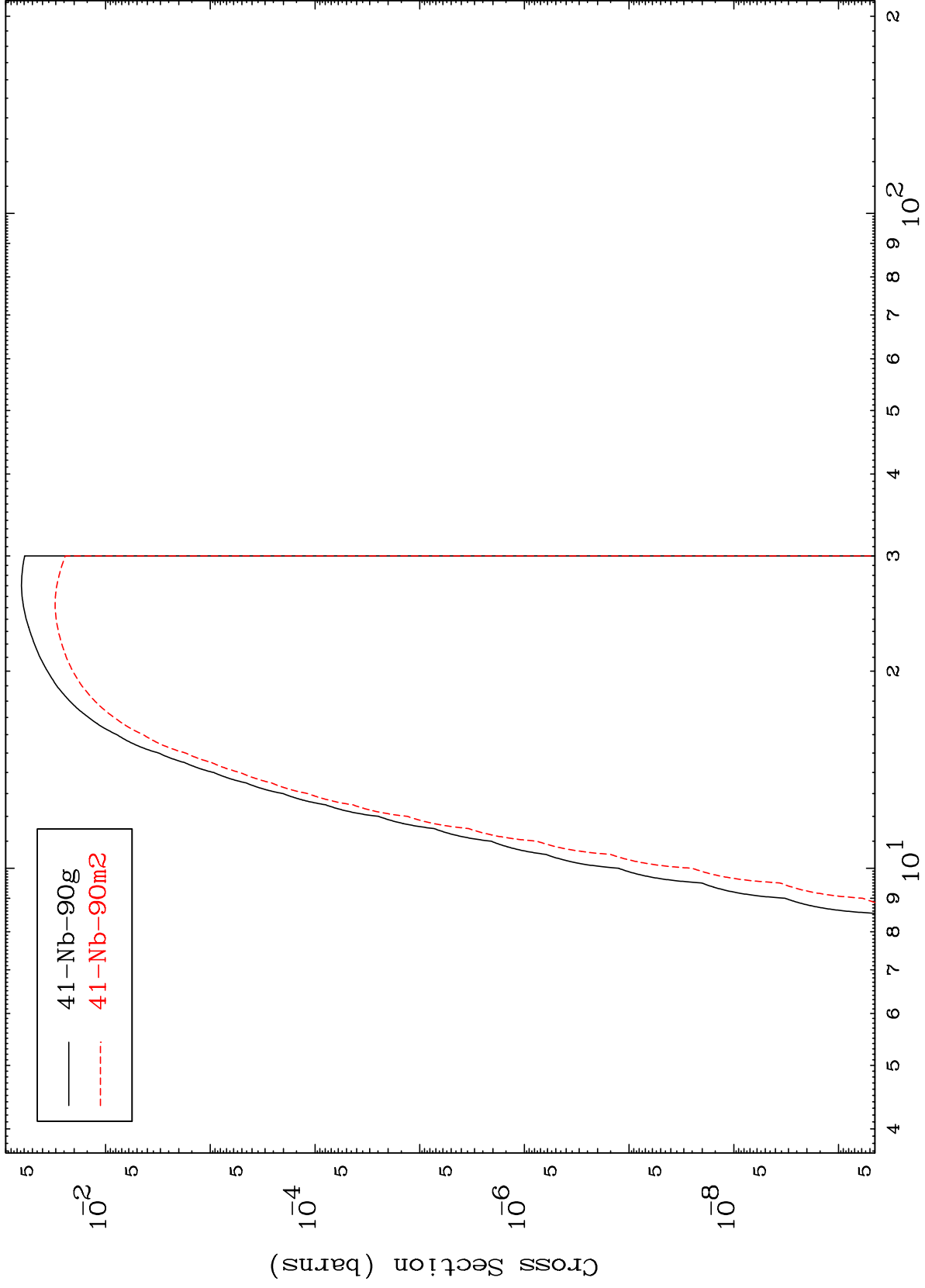
43-Tc-94m

MAT 4311

(n,n') α

43-Tc-94m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

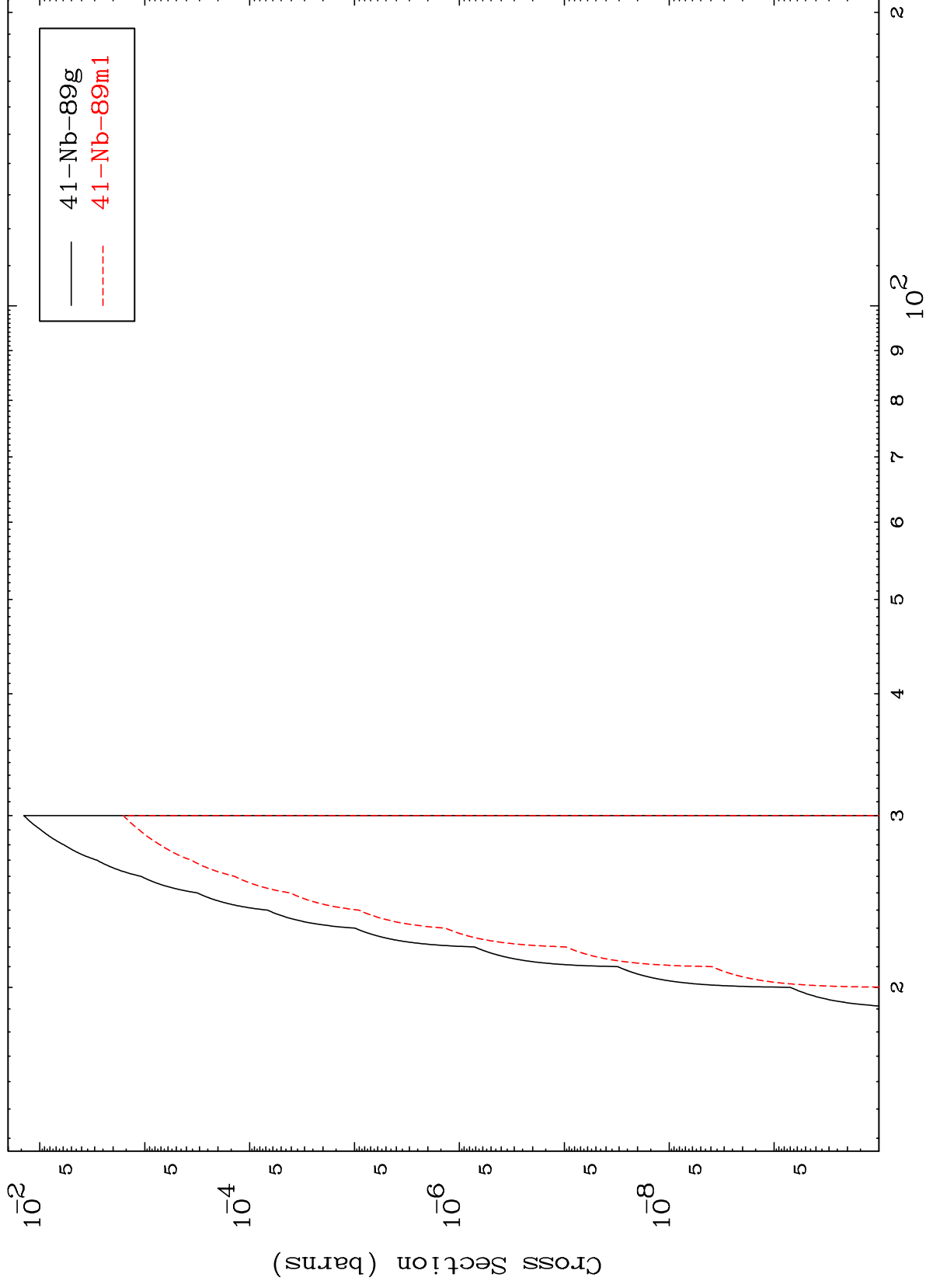
43-Tc-94m

MAT 4311

(n,2n) α

43-Tc-94m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

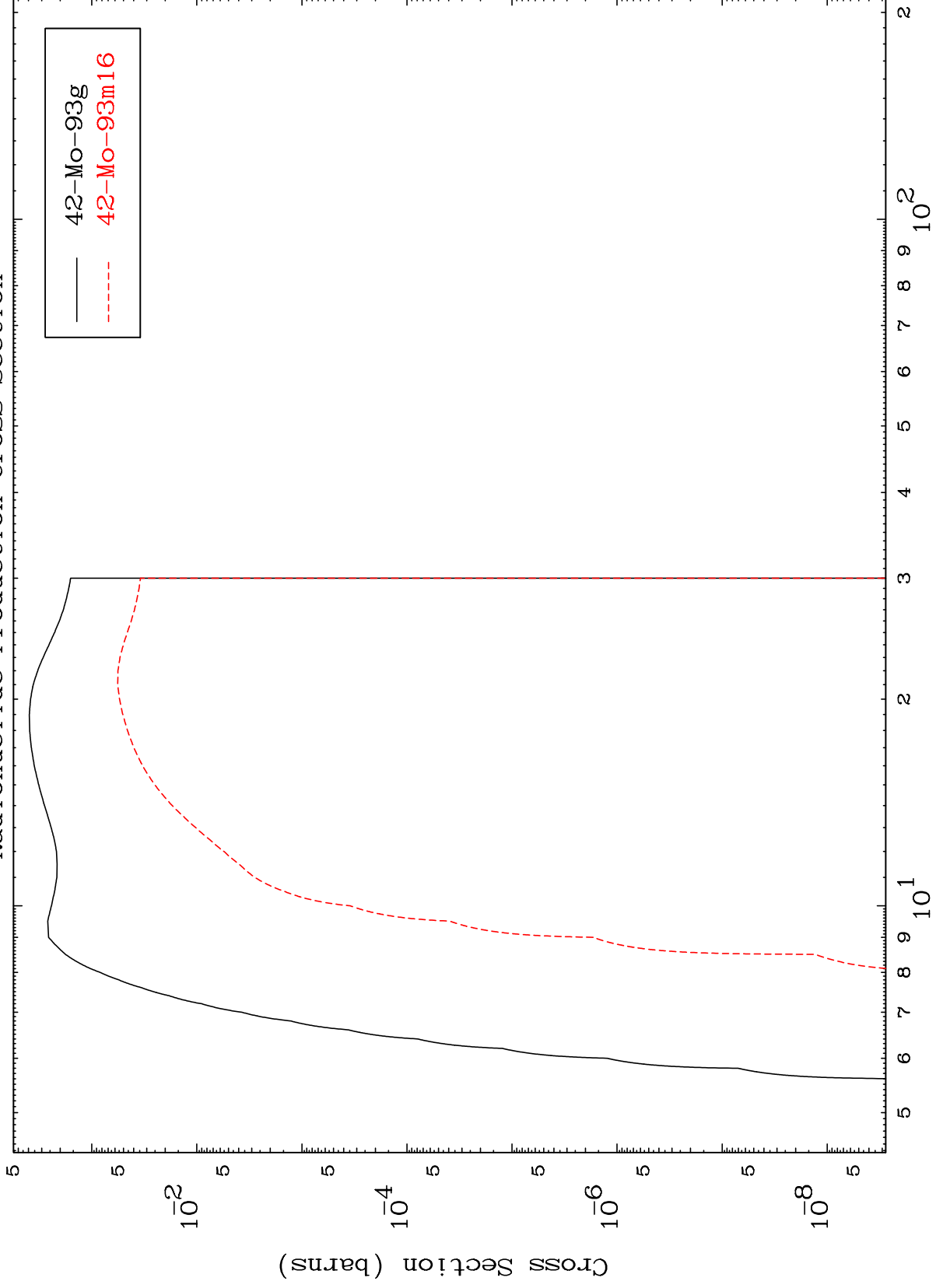
43-Tc-94m

MAT 4311

(n,n') p

43-Tc-94m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

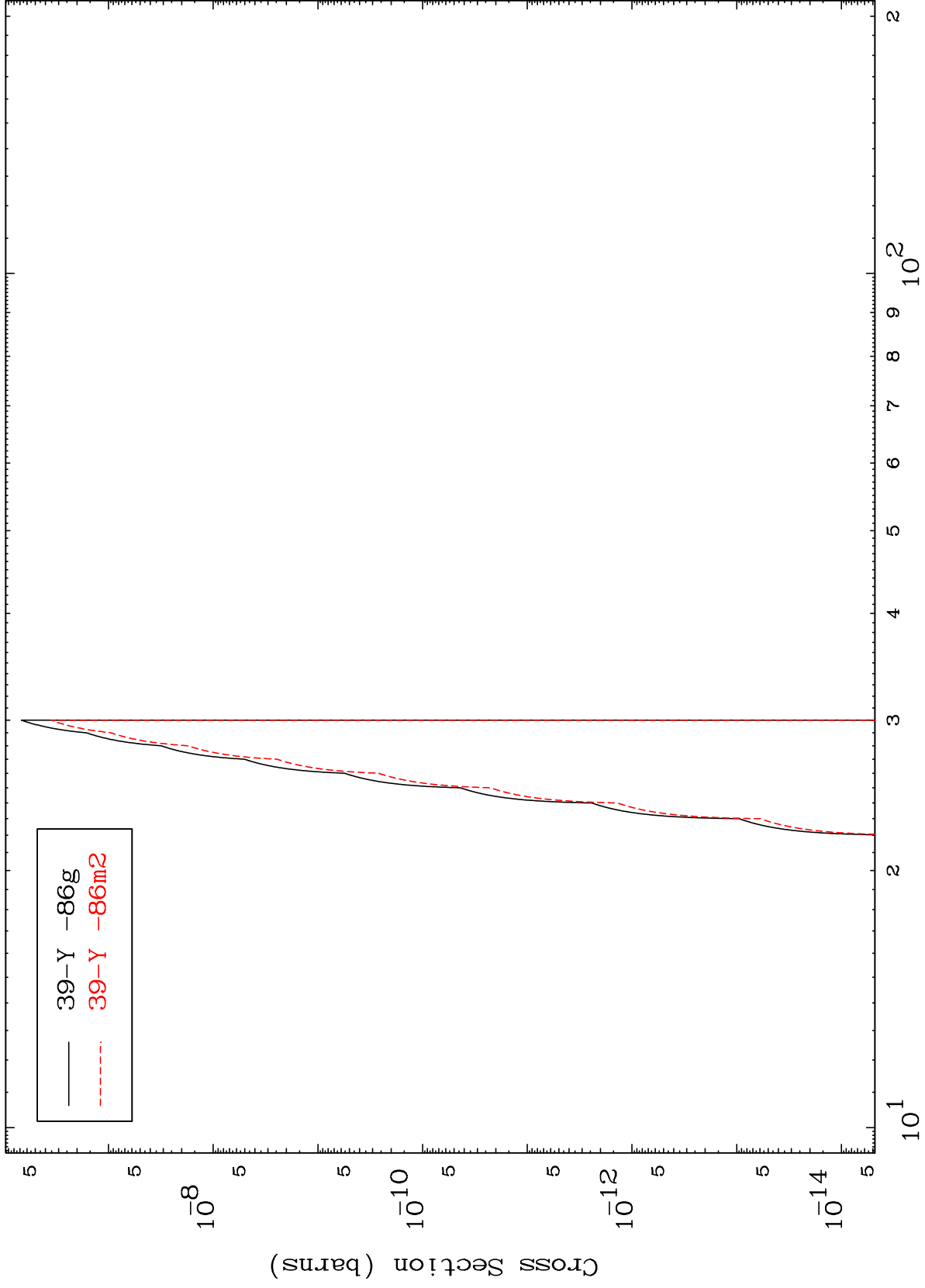
43-Tc-94m

MAT 4311

(n,n') 2α

43-Tc-94m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

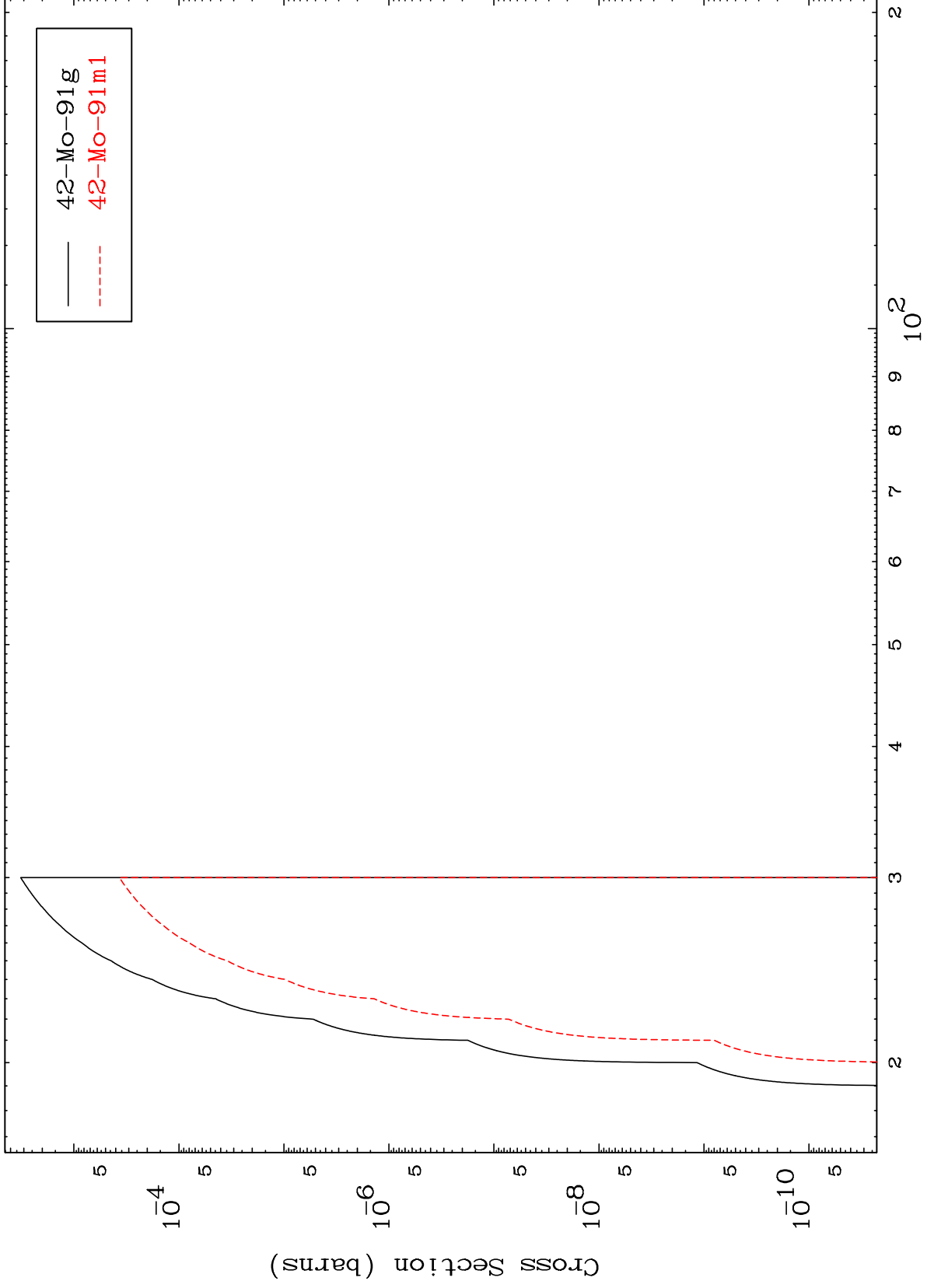
43-Tc-94m

MAT 4311

(n,n') t

43-Tc-94m

Radionuclide Production Cross Section



26

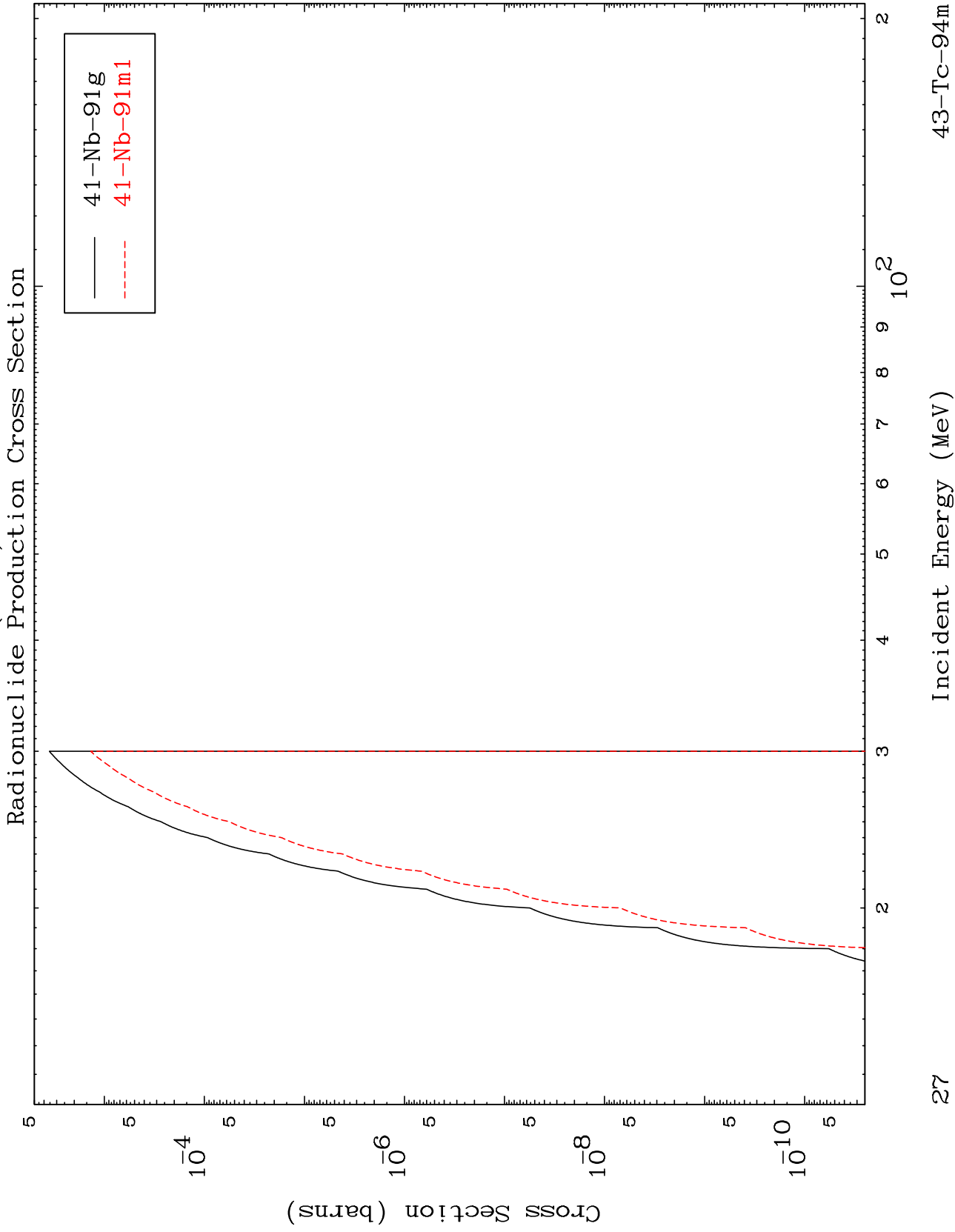
Incident Energy (MeV)

43-Tc-94m

MAT 4311

(n,n') He-3

43-Tc-94m



27

Incident Energy (MeV)

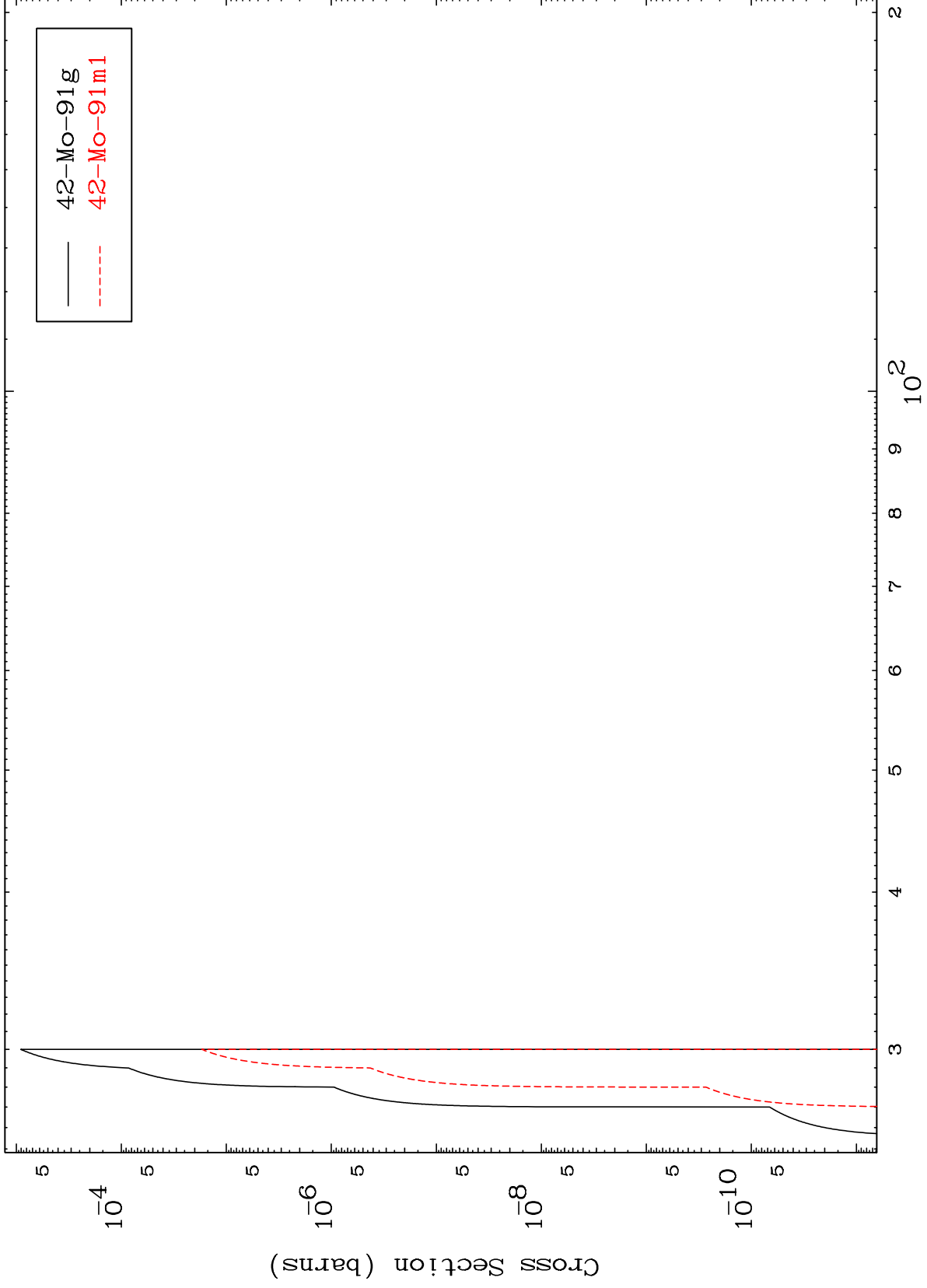
43-Tc-94m

MAT 4311

(n,3n) p

43-Tc-94m

Radionuclide Production Cross Section



28

Incident Energy (MeV)

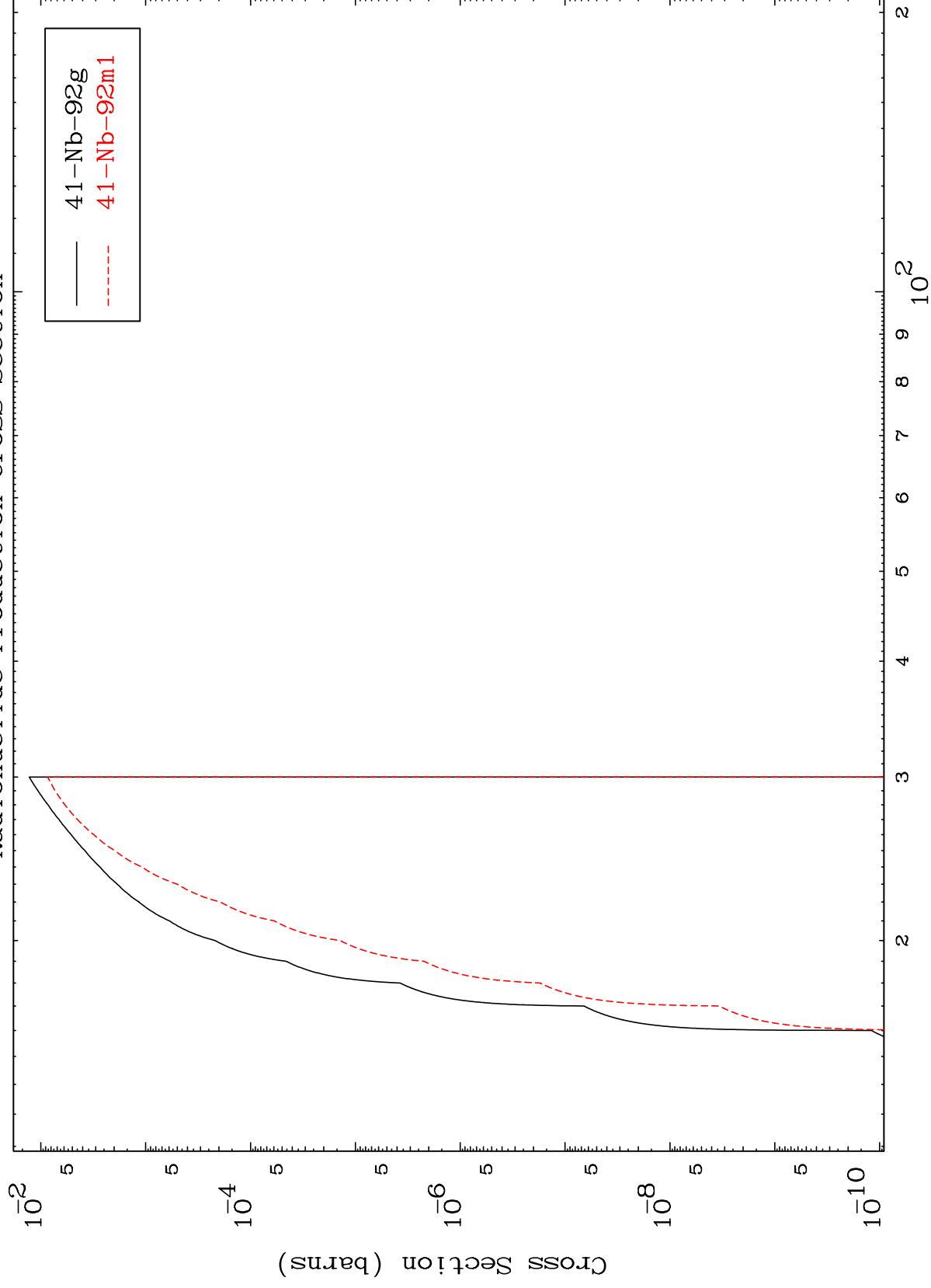
43-Tc-94m

MAT 4311

(n,2n) p

43-Tc-94m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

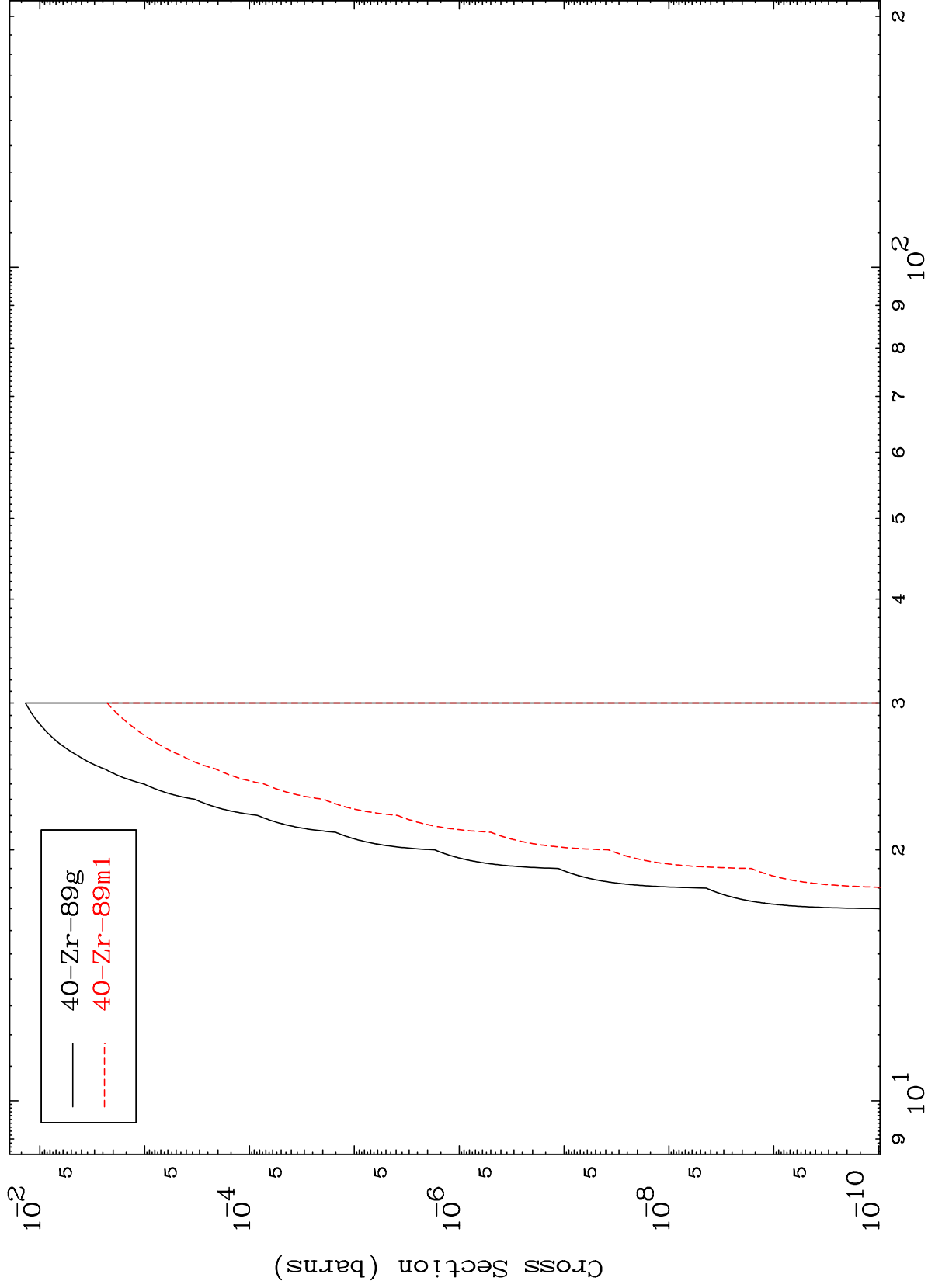
43-Tc-94m

MAT 4311

43-Tc-94m

(n,n') p α

Radionuclide Production Cross Section



Incident Energy (MeV)

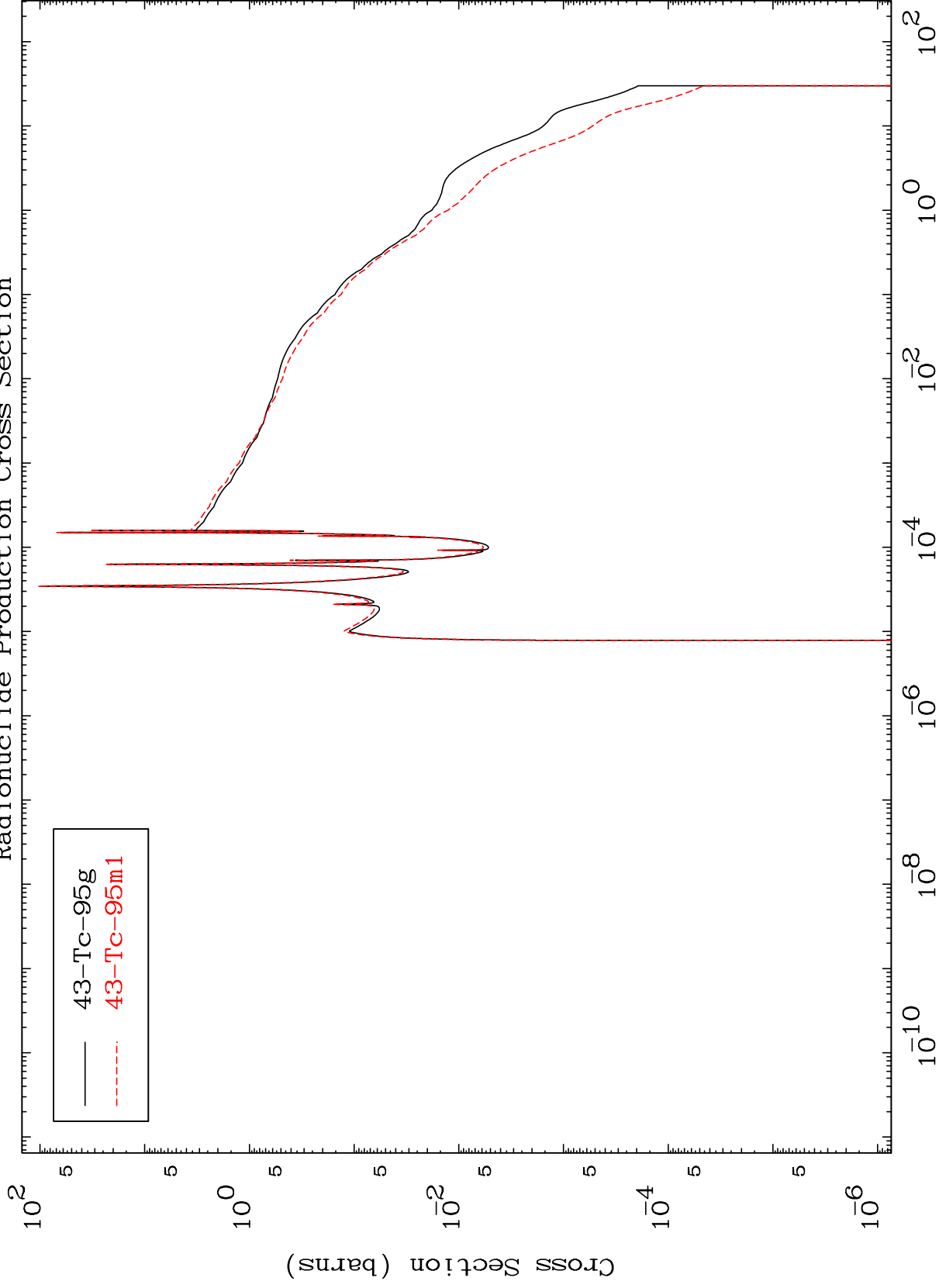
43-Tc-94m

30

MAT 4311

43-Tc-94m

Radionuclide Production Cross Section



31

Incident Energy (MeV)

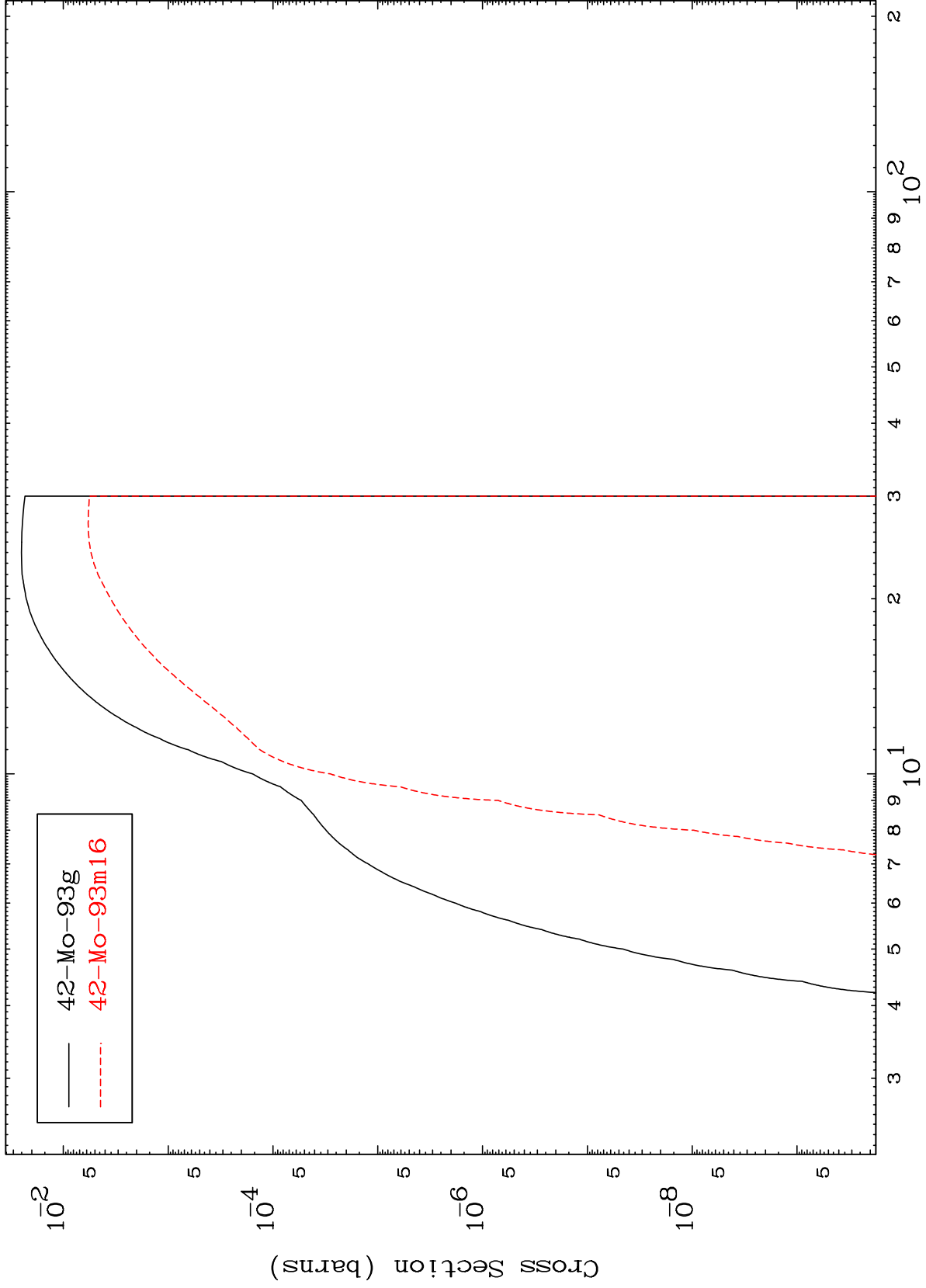
43-Tc-94m

MAT 4311

(n,d)

⁴³Tc-⁹⁴m

Radionuclide Production Cross Section



32

Incident Energy (MeV)

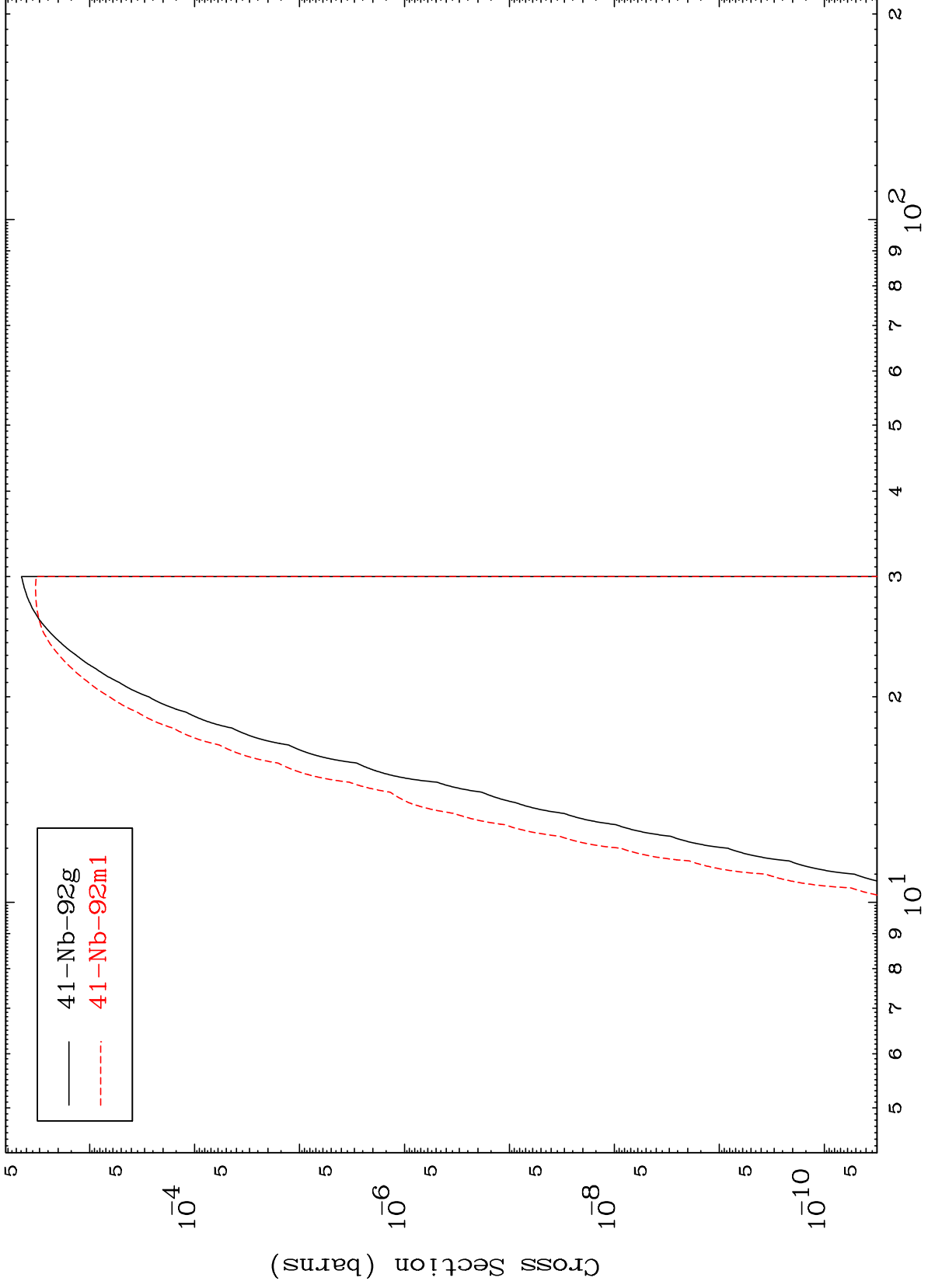
⁴³Tc-⁹⁴m

MAT 4311

(n,He-3)

43-Tc-94m

Radionuclide Production Cross Section



33

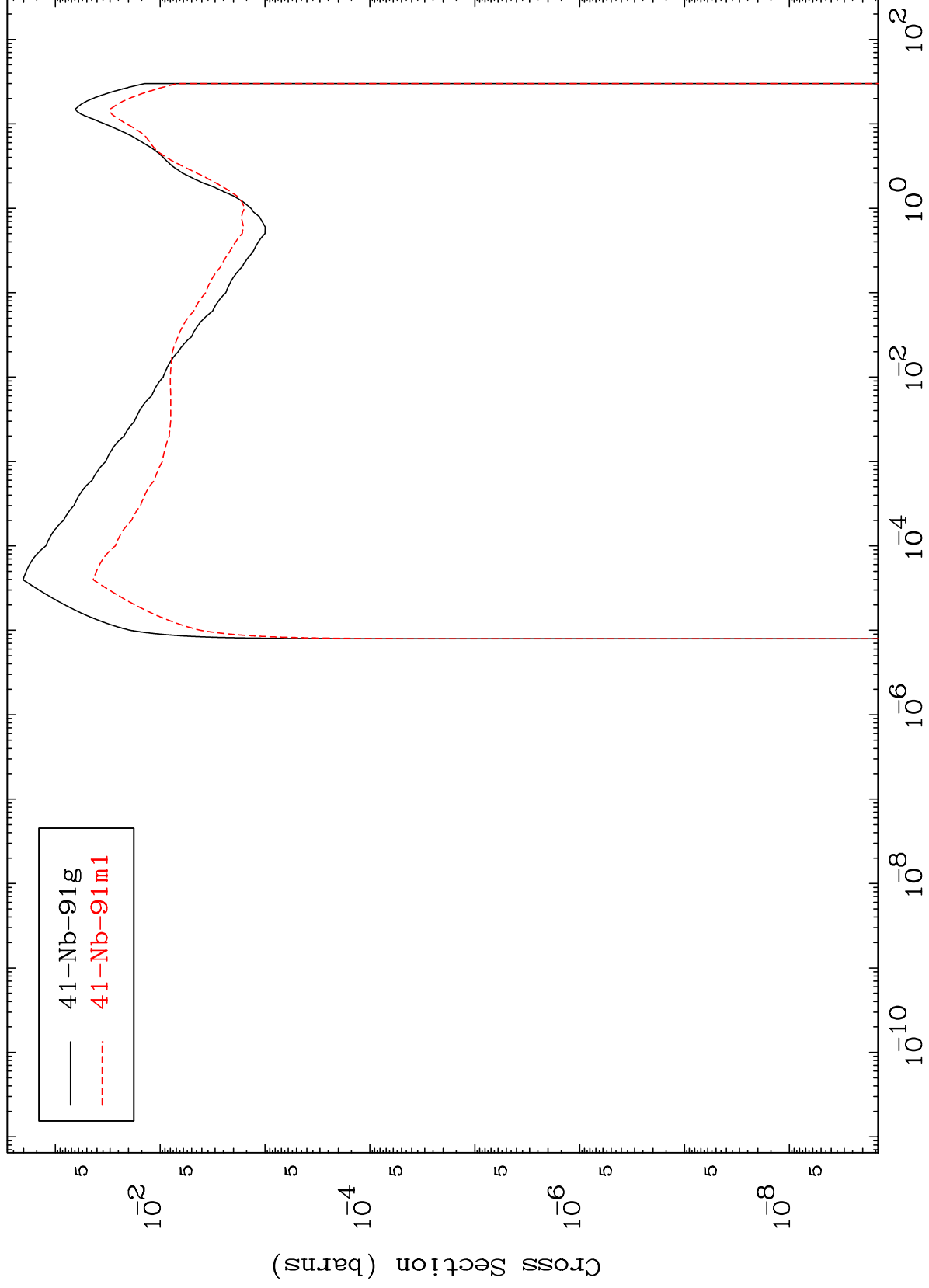
Incident Energy (MeV)

43-Tc-94m

MAT 4311

43-Tc-94m

Radionuclide Production Cross Section



41-Nb-91g
41-Nb-91m1

43-Tc-94m

Incident Energy (MeV)

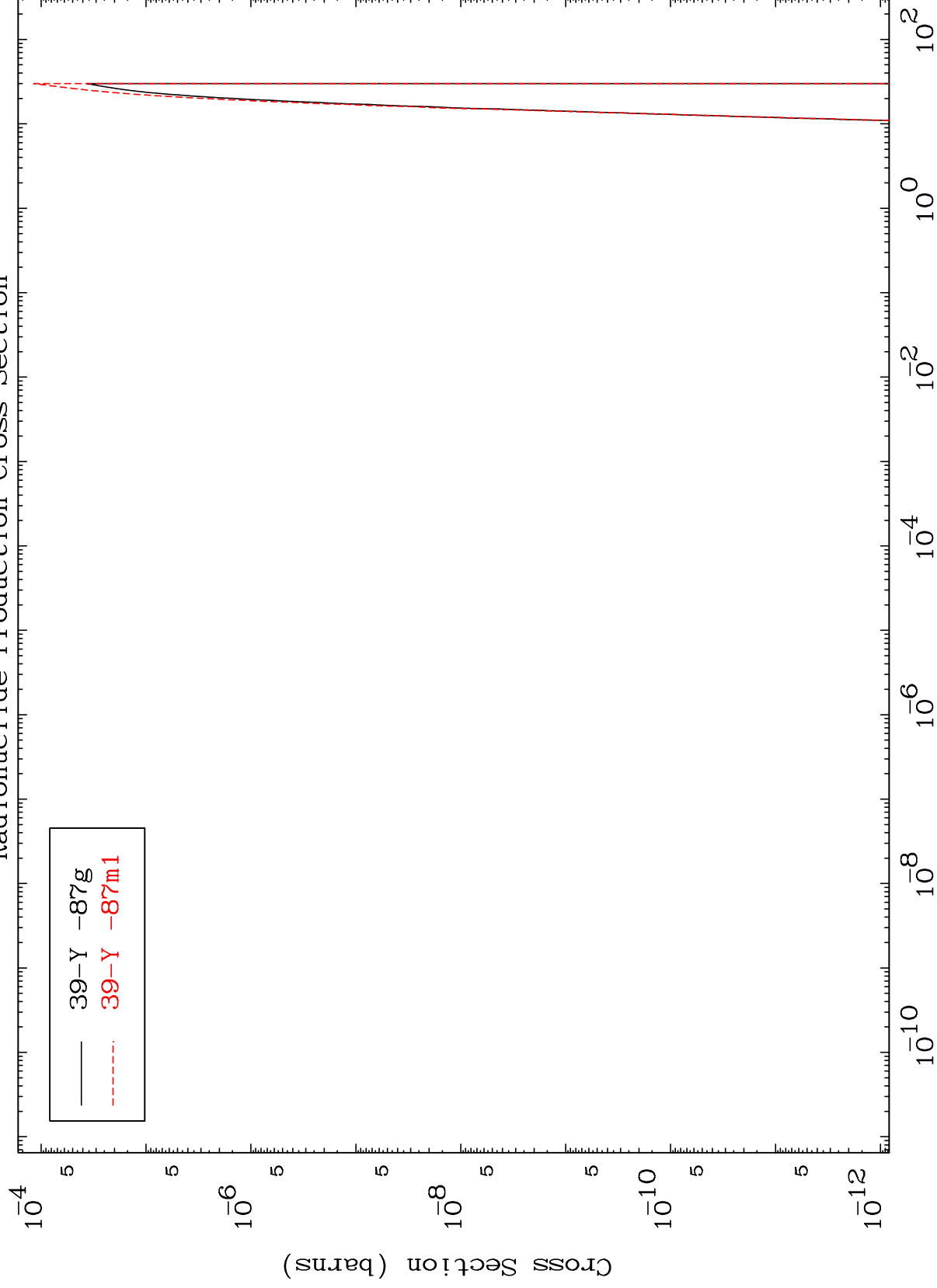
34

MAT 4311

(n,2α)

43-Tc-94m

Radionuclide Production Cross Section



35

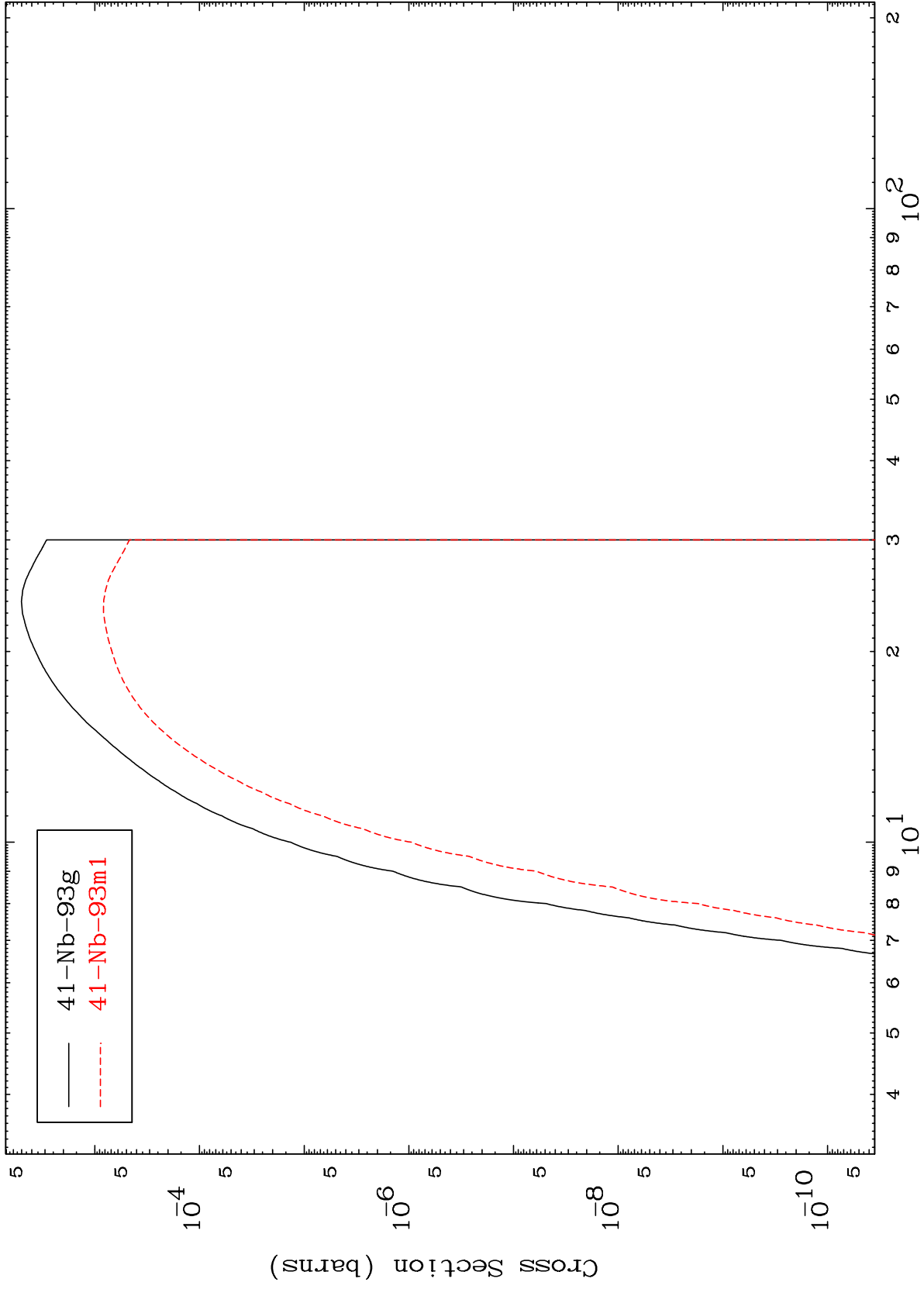
Incident Energy (MeV)

43-Tc-94m

MAT 4311

43-Tc-94m

(n,2p)
Radionuclide Production Cross Section



36

Incident Energy (MeV)

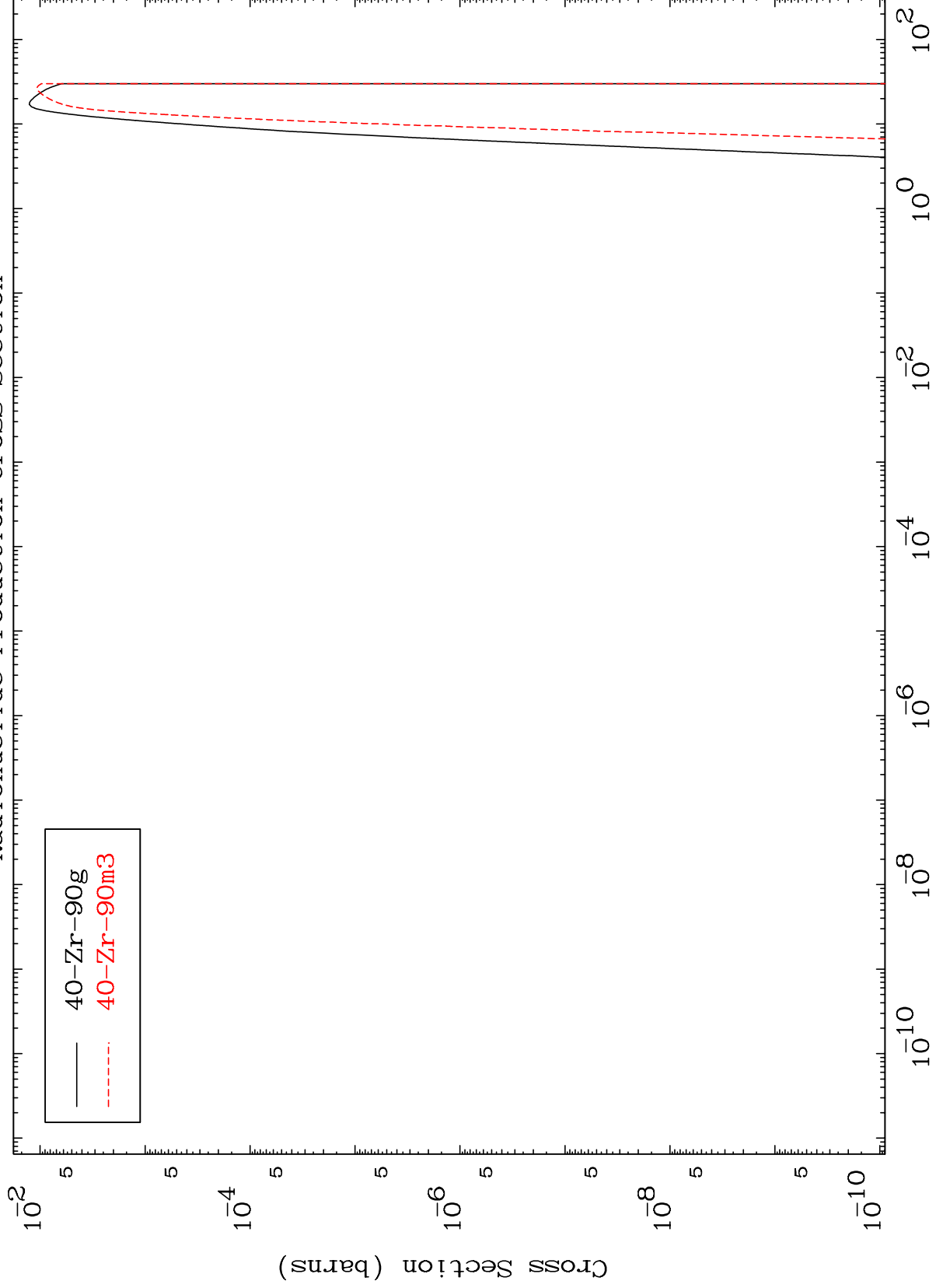
43-Tc-94m

MAT 4311

(n,p) α

43-Tc-94m

Radionuclide Production Cross Section



37

Incident Energy (MeV)

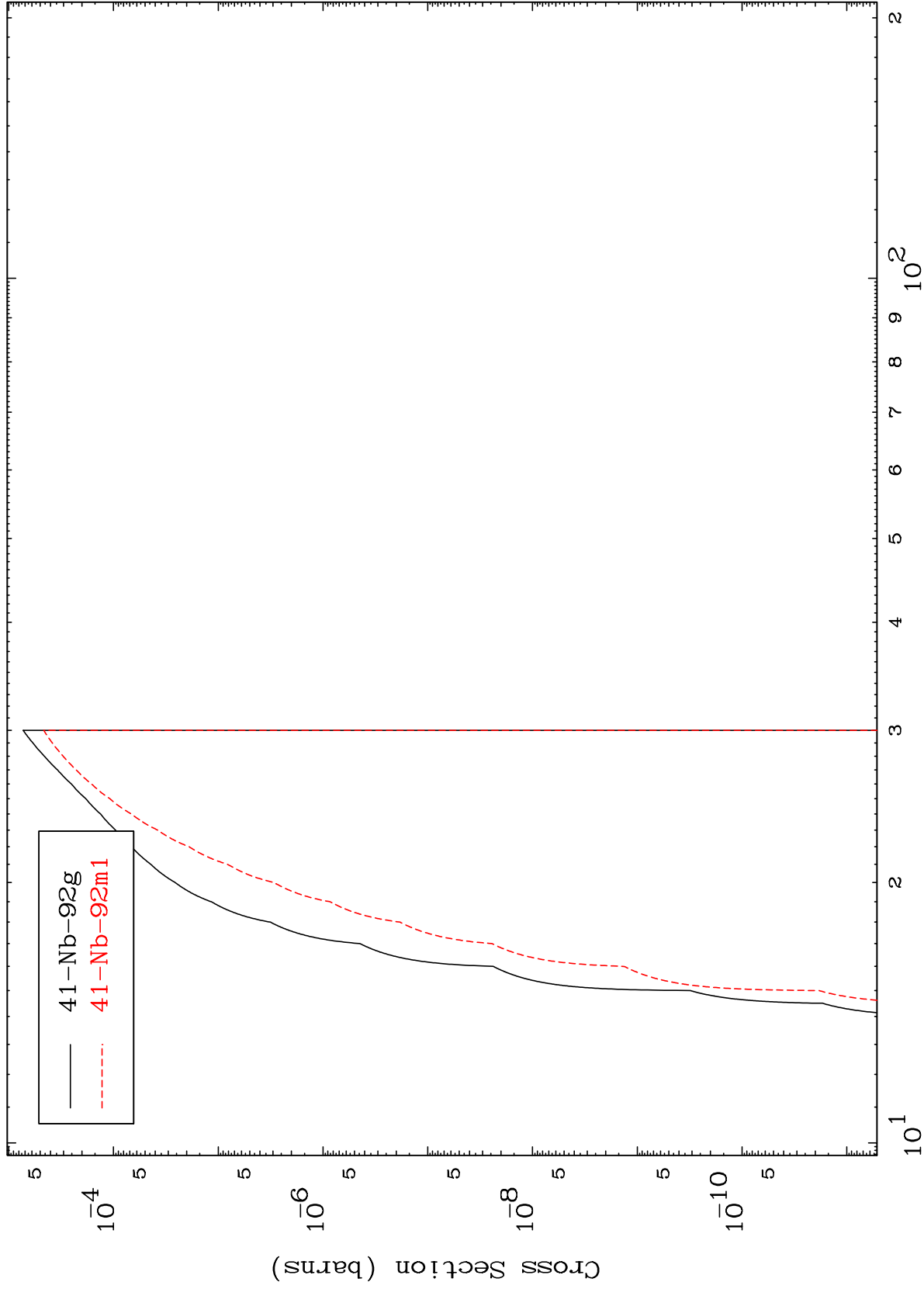
43-Tc-94m

MAT 4311

(n,p) d

43-Tc-94m

Radionuclide Production Cross Section



Incident Energy (MeV)

43-Tc-94m

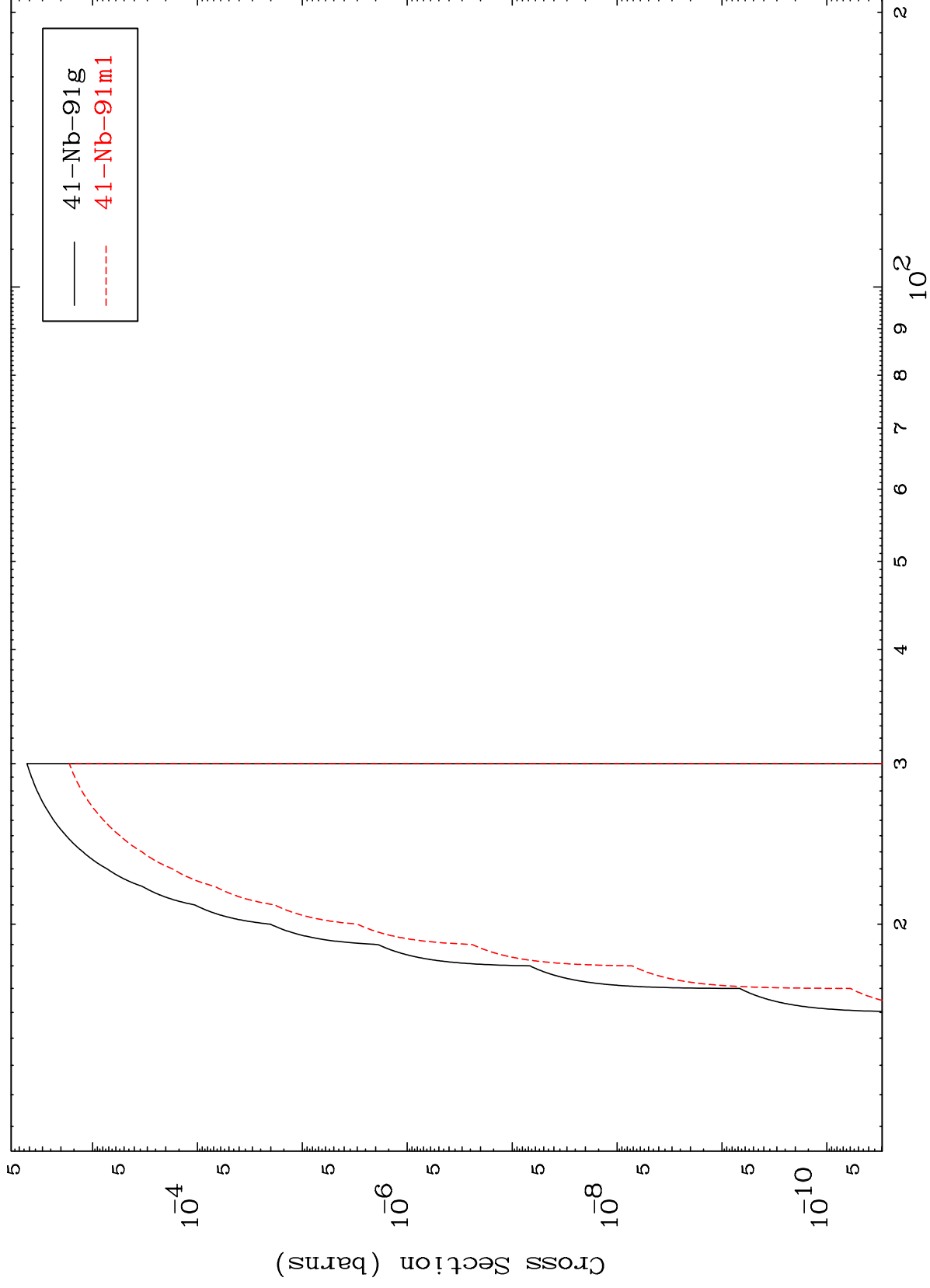
38

MAT 4311

(n,p) t

43-Tc-94m

Radionuclide Production Cross Section



39

Incident Energy (MeV)

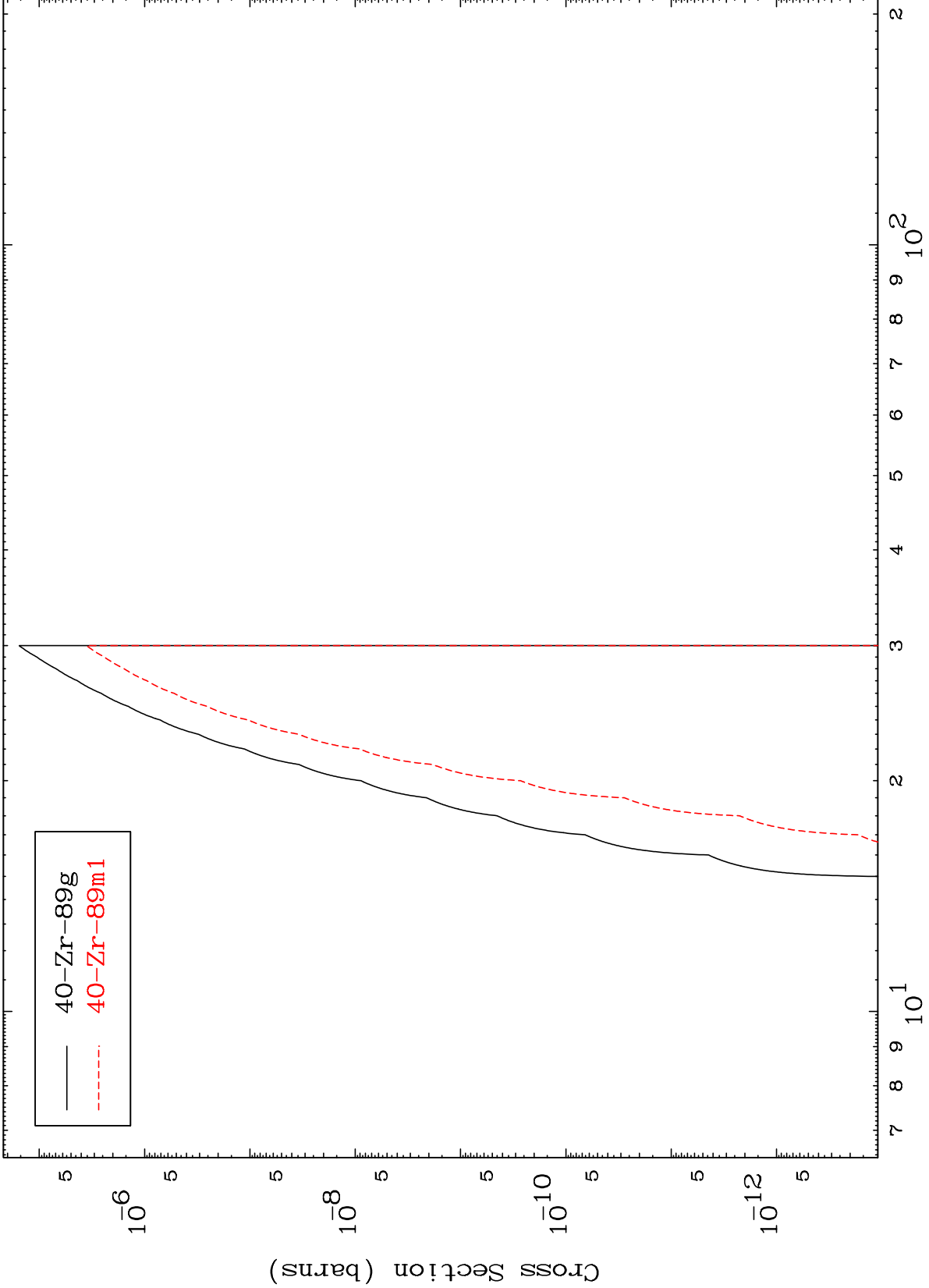
43-Tc-94m

MAT 4311

(n,d) α

43-Tc-94m

Radionuclide Production Cross Section



40

Incident Energy (MeV)

43-Tc-94m