

Program EVALPLOT
(Version 2015-2)

by

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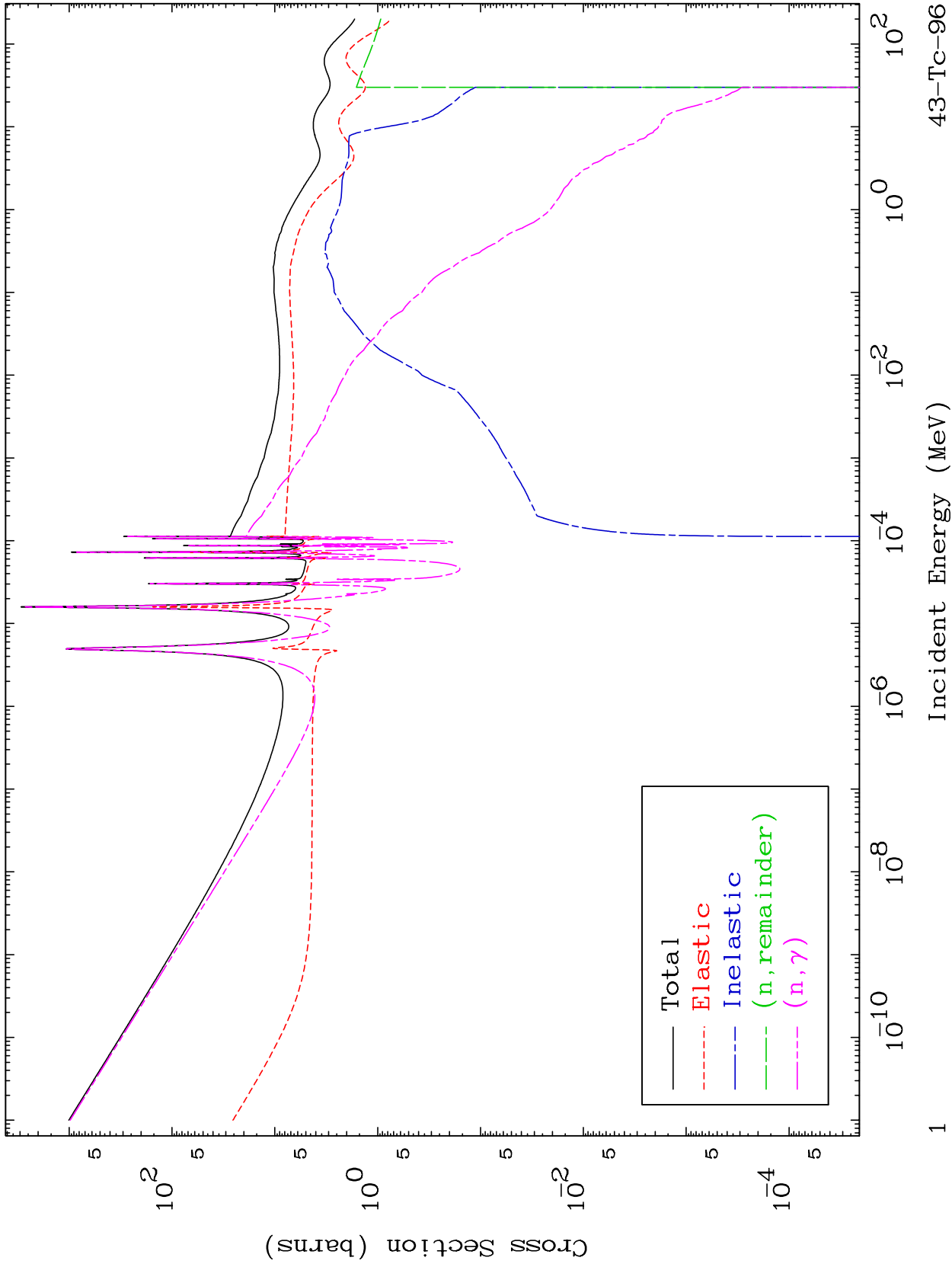
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 4317

Major
293 Kelvin Cross Sections

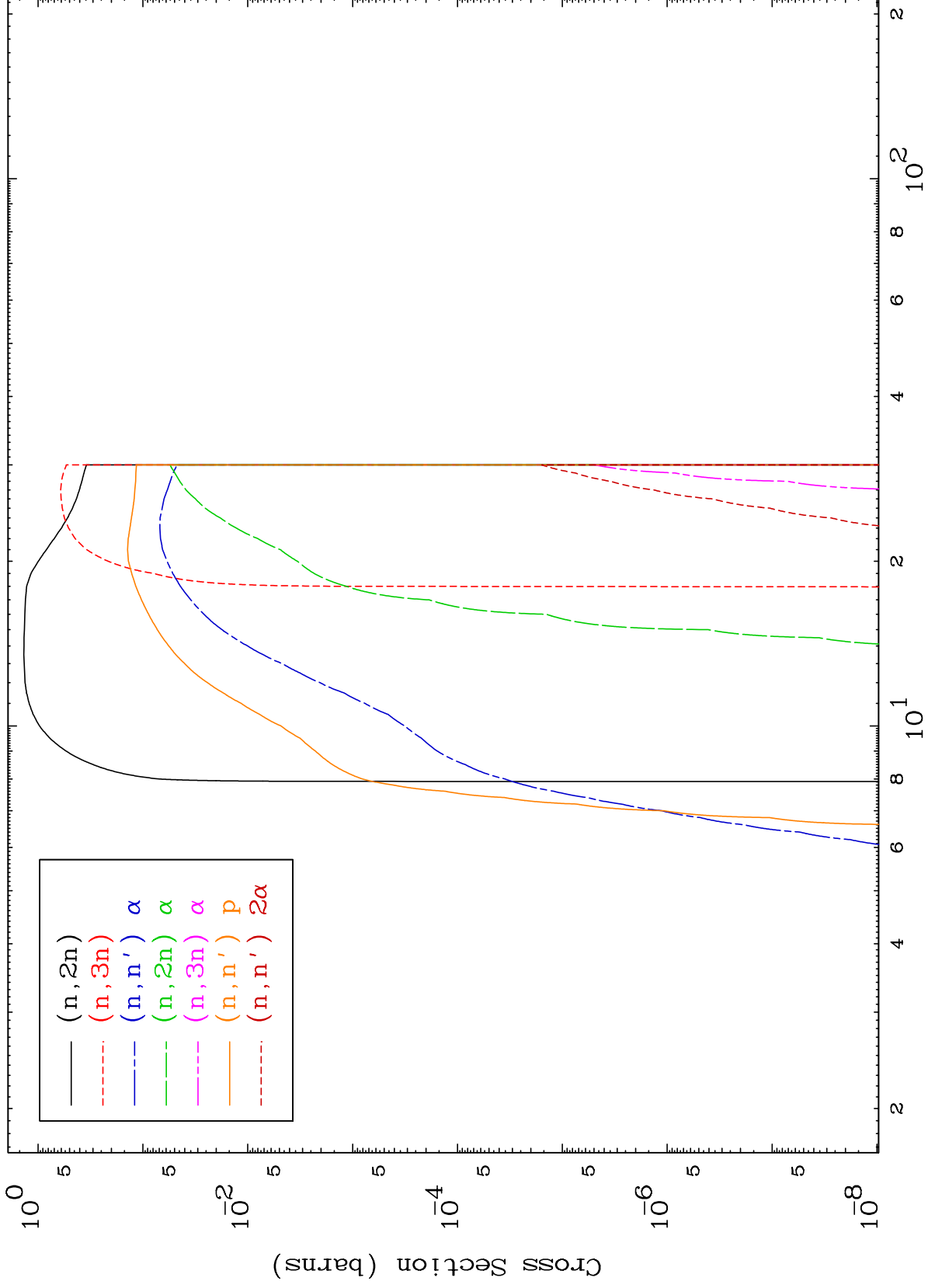
43-Tc-96



MAT 4317

Neutron Production
293 Kelvin Cross Sections

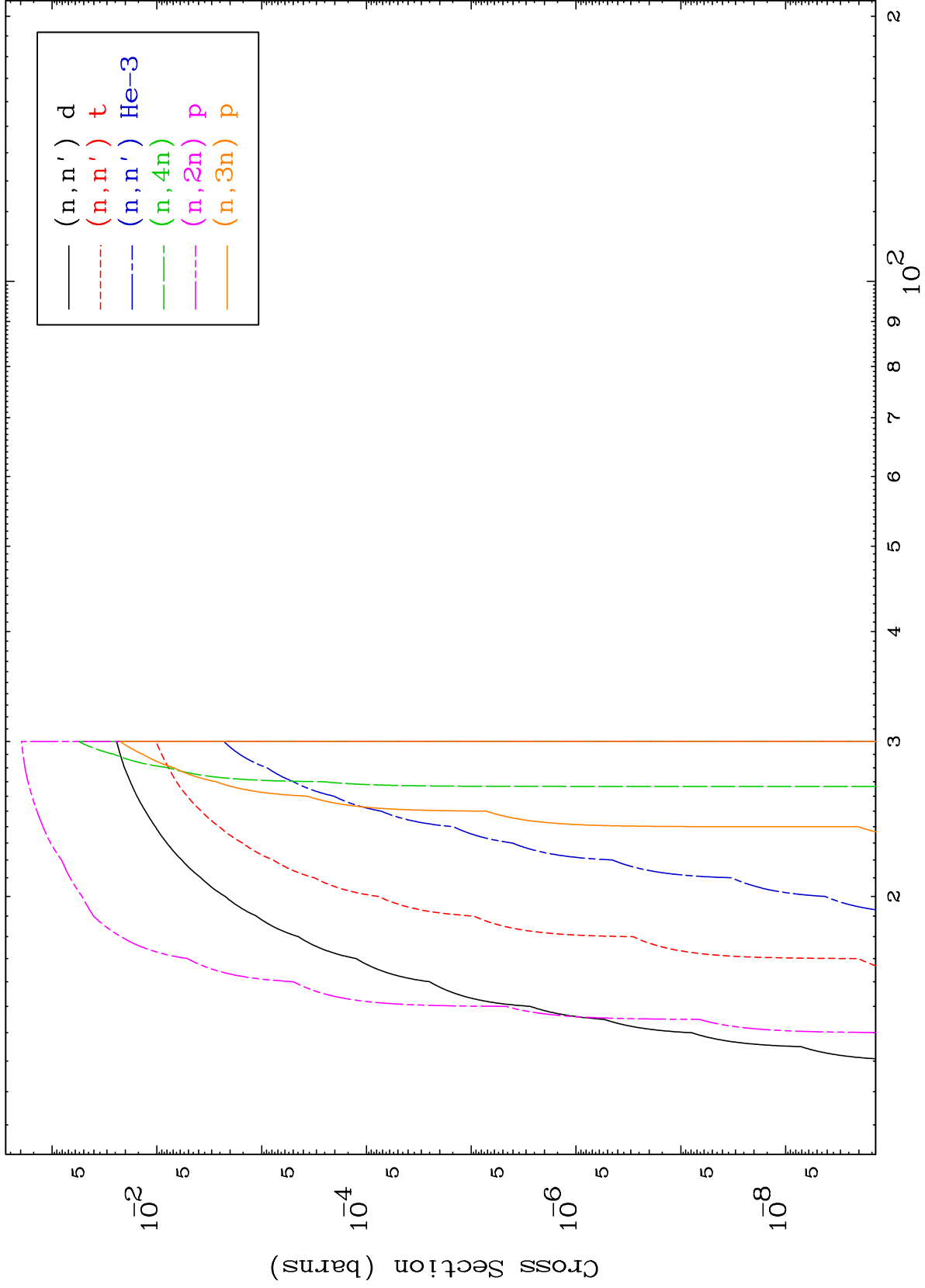
43-Tc-96

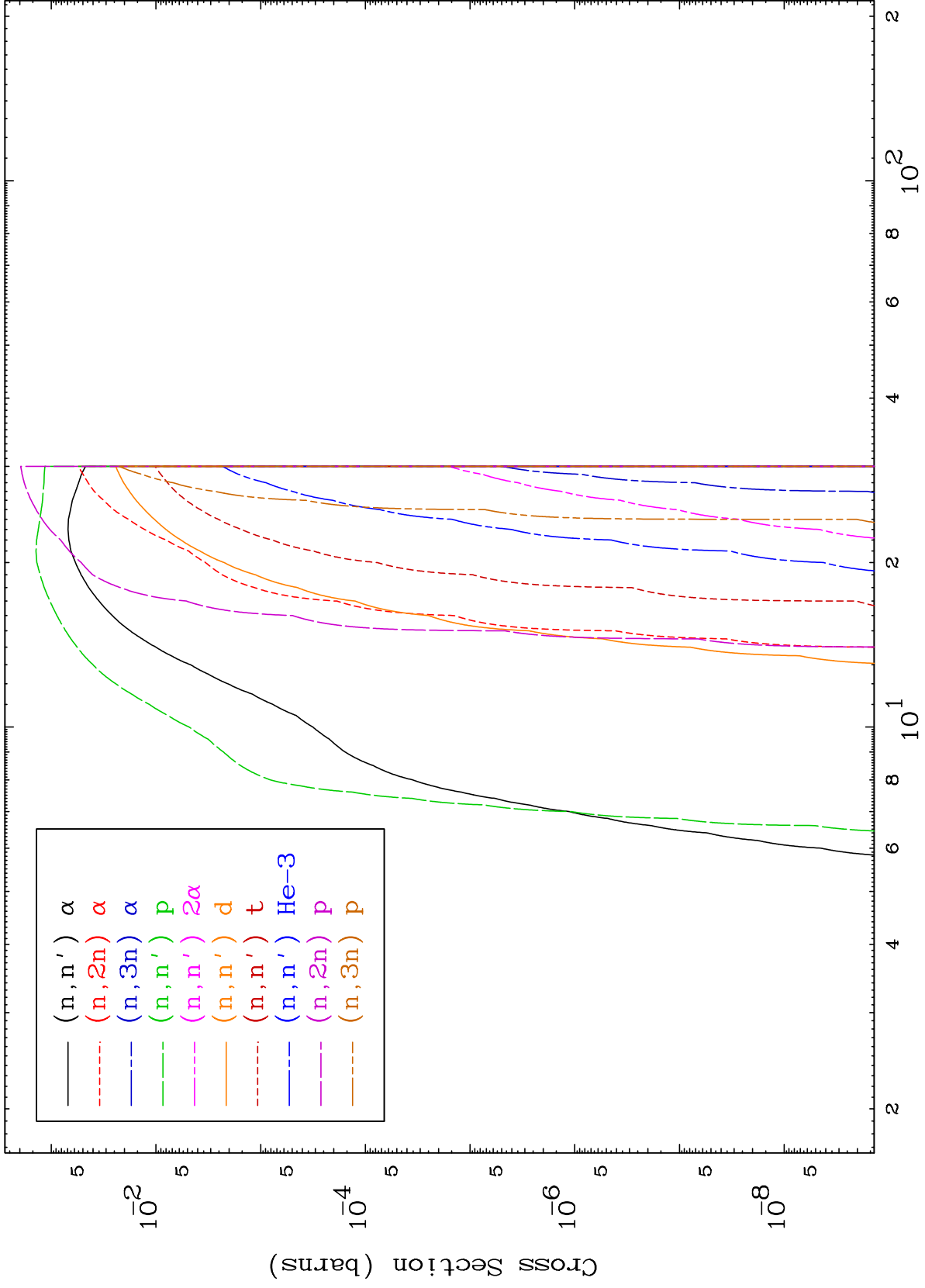


43-Tc-96

Incident Energy (MeV)

2

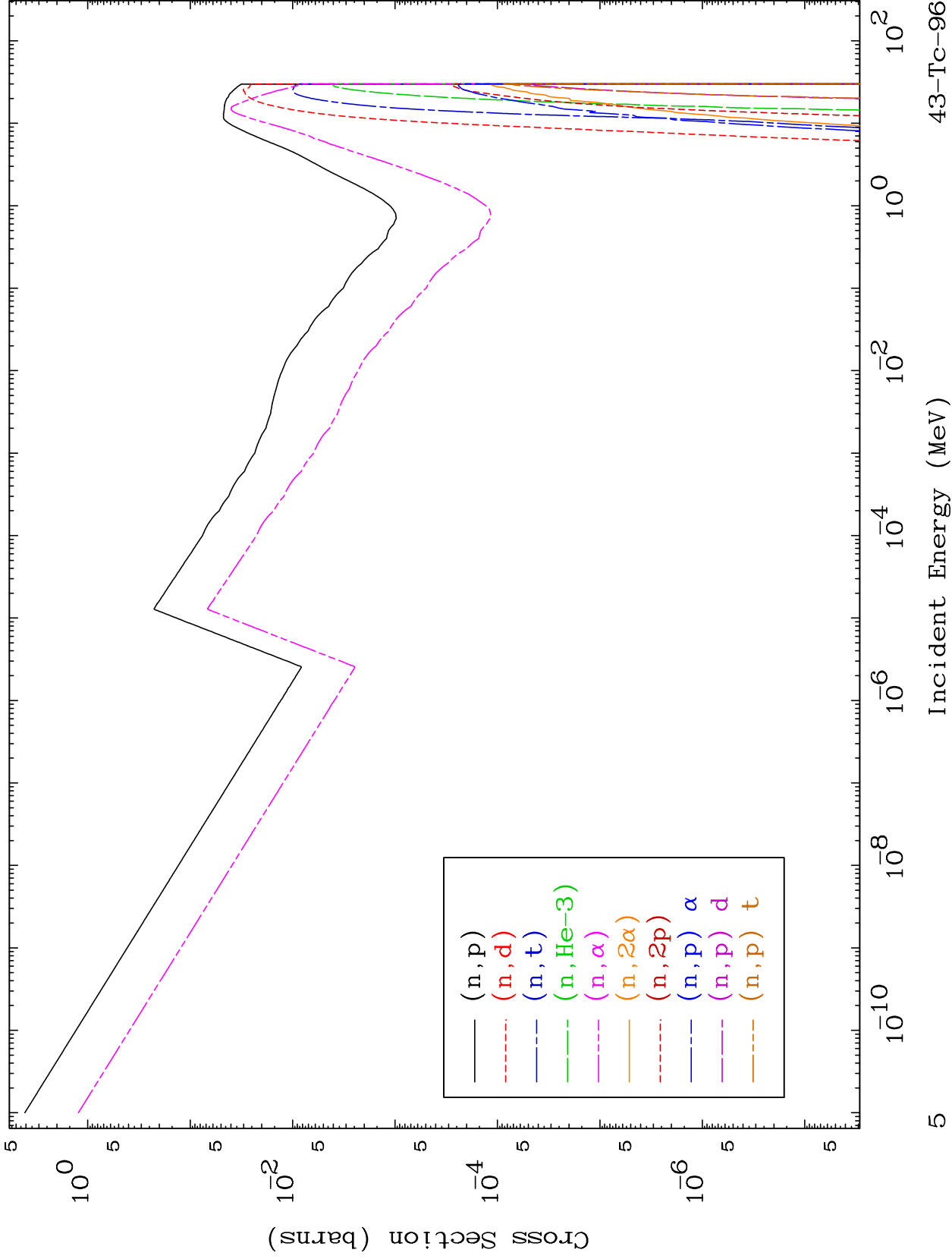




MAT 4317

Charged Particle
293 Kelvin Cross Sections

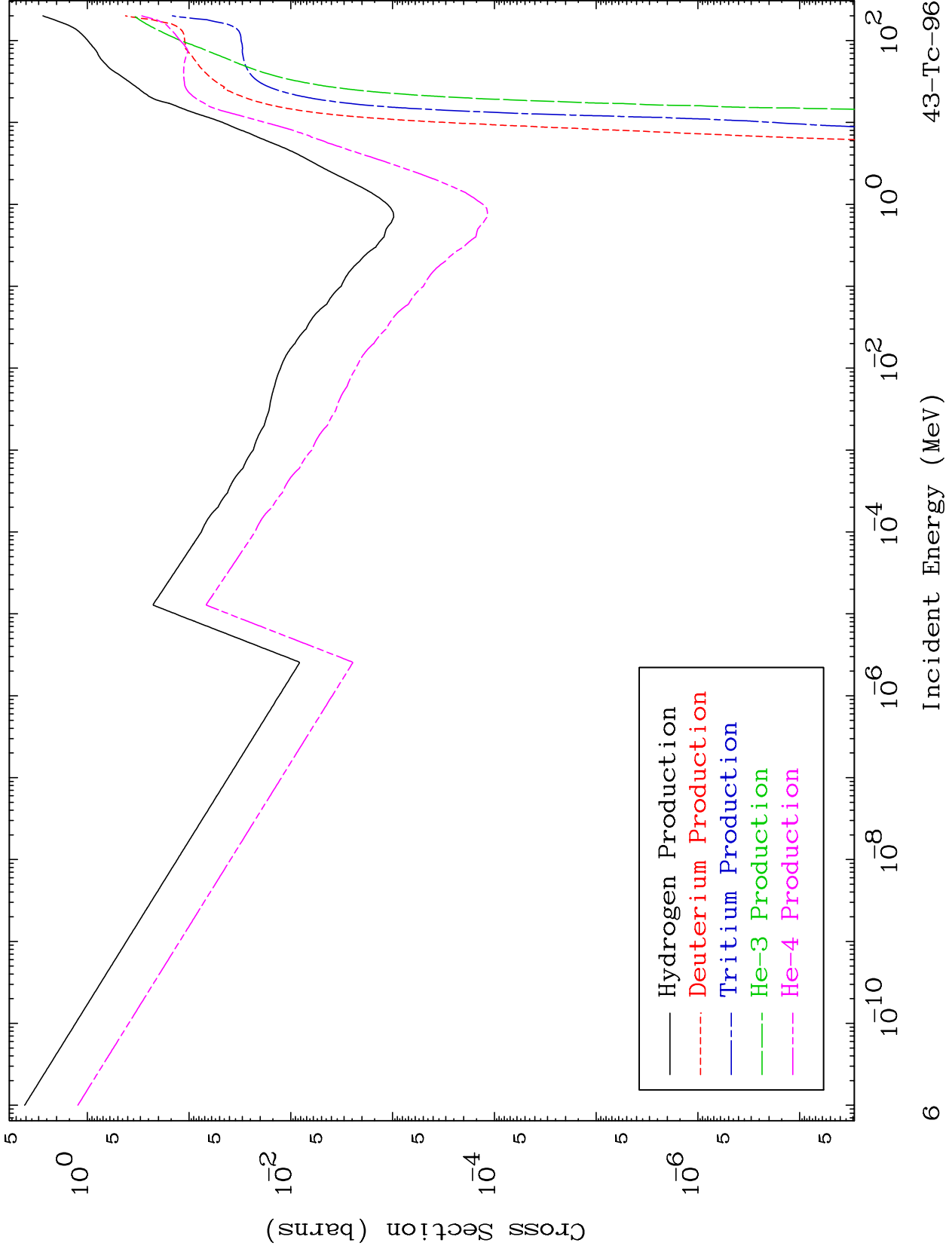
43-Tc-96



MAT 4317

Particle Production
293 Kelvin Cross Sections

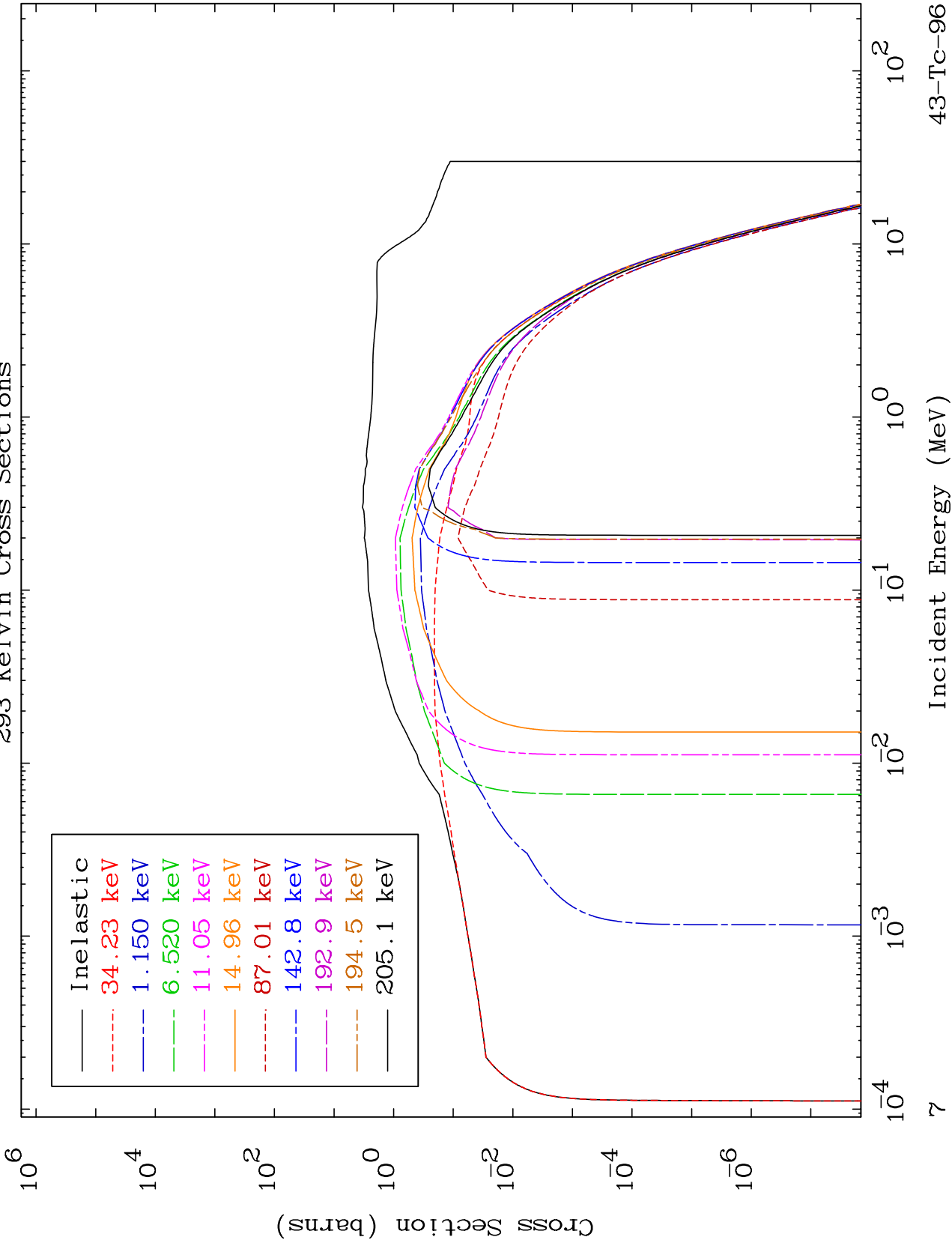
43-Tc-96



MAT 4317

(n,n') Level
293 Kelvin Cross Sections

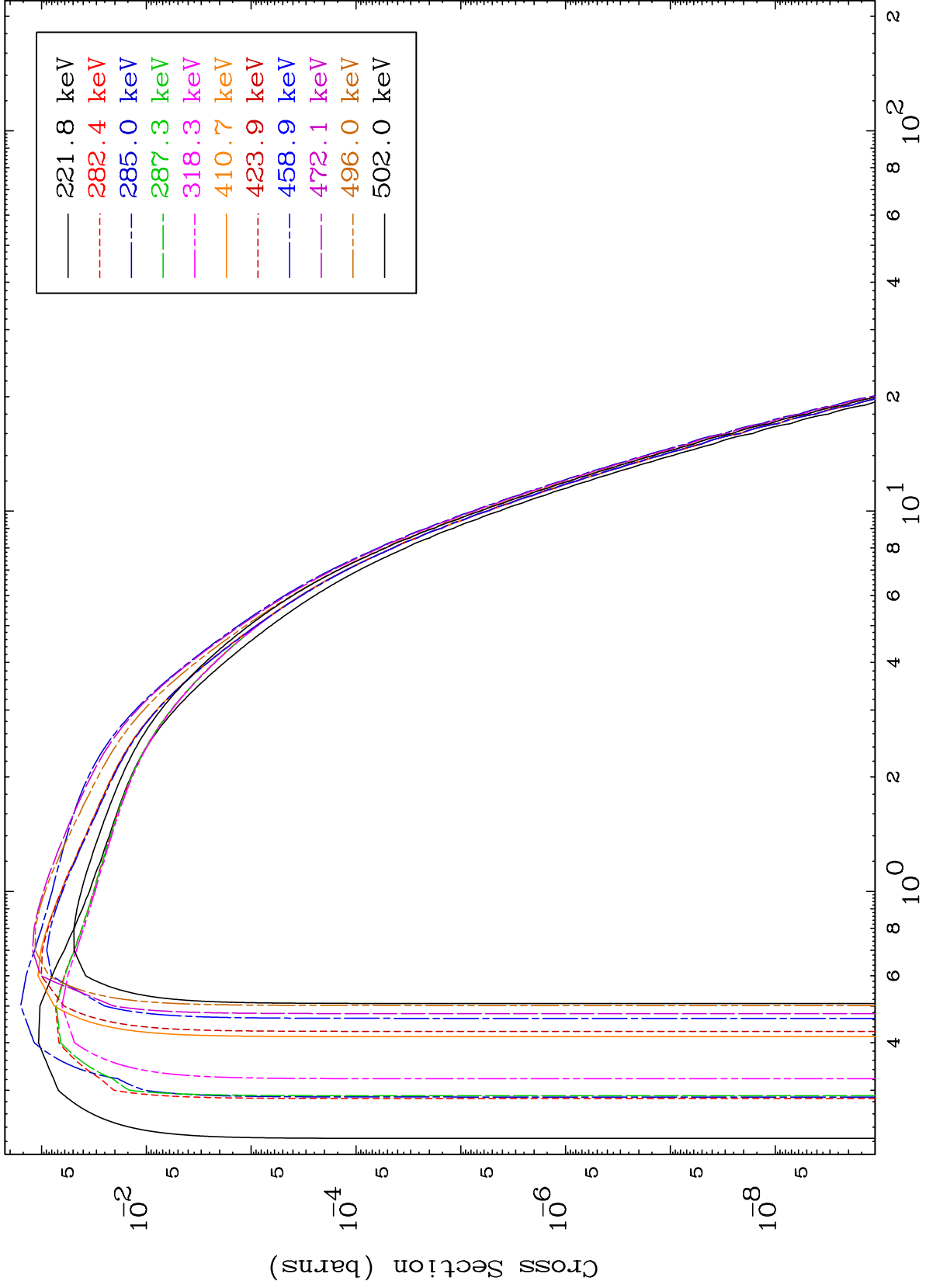
43-Tc-96



MAT 4317

(n,n') Level
293 Kelvin Cross Sections

43-Tc-96



8

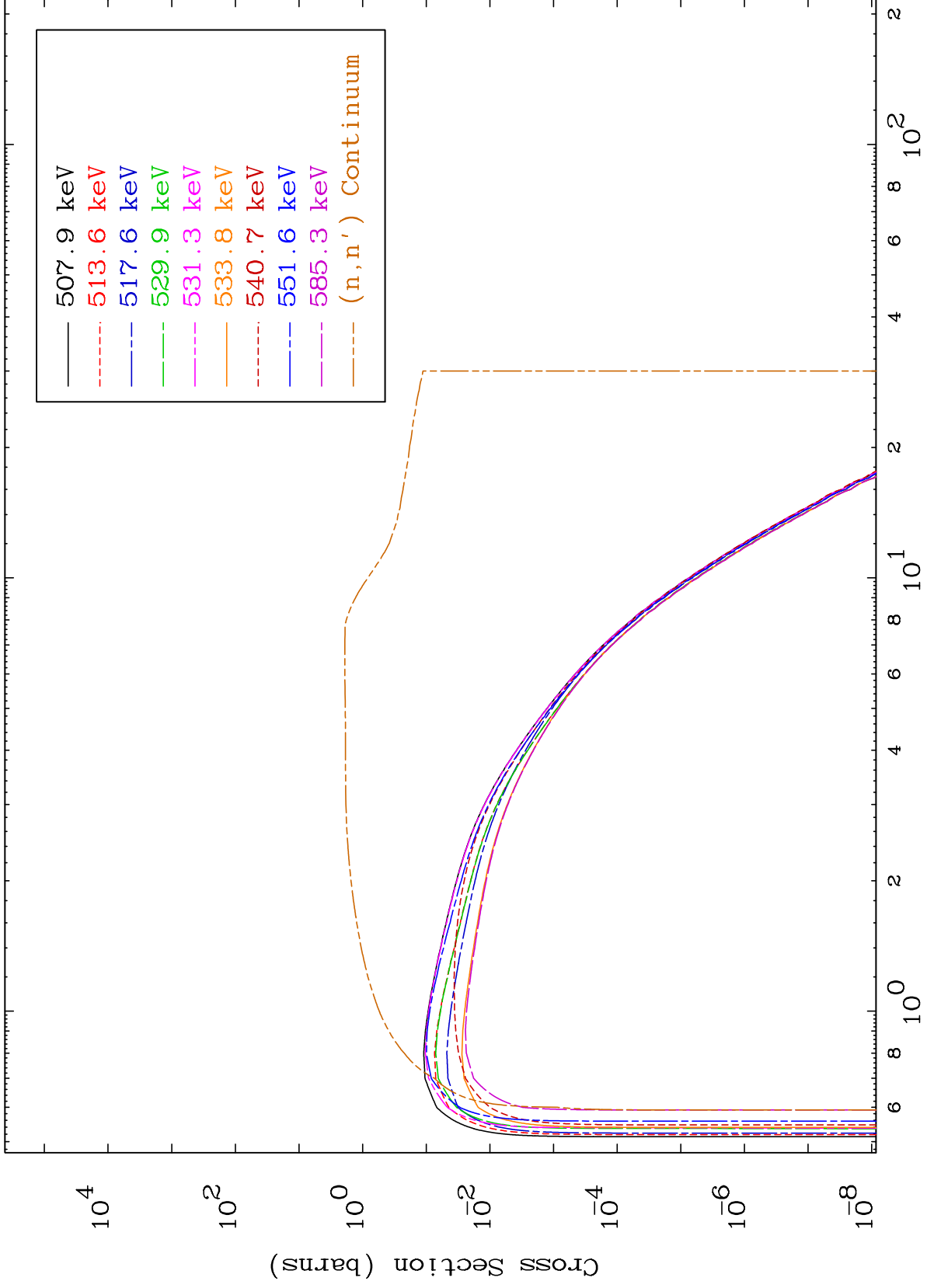
Incident Energy (MeV)

43-Tc-96

MAT 4317

(n,n') Level
293 Kelvin Cross Sections

43-Tc-96



9

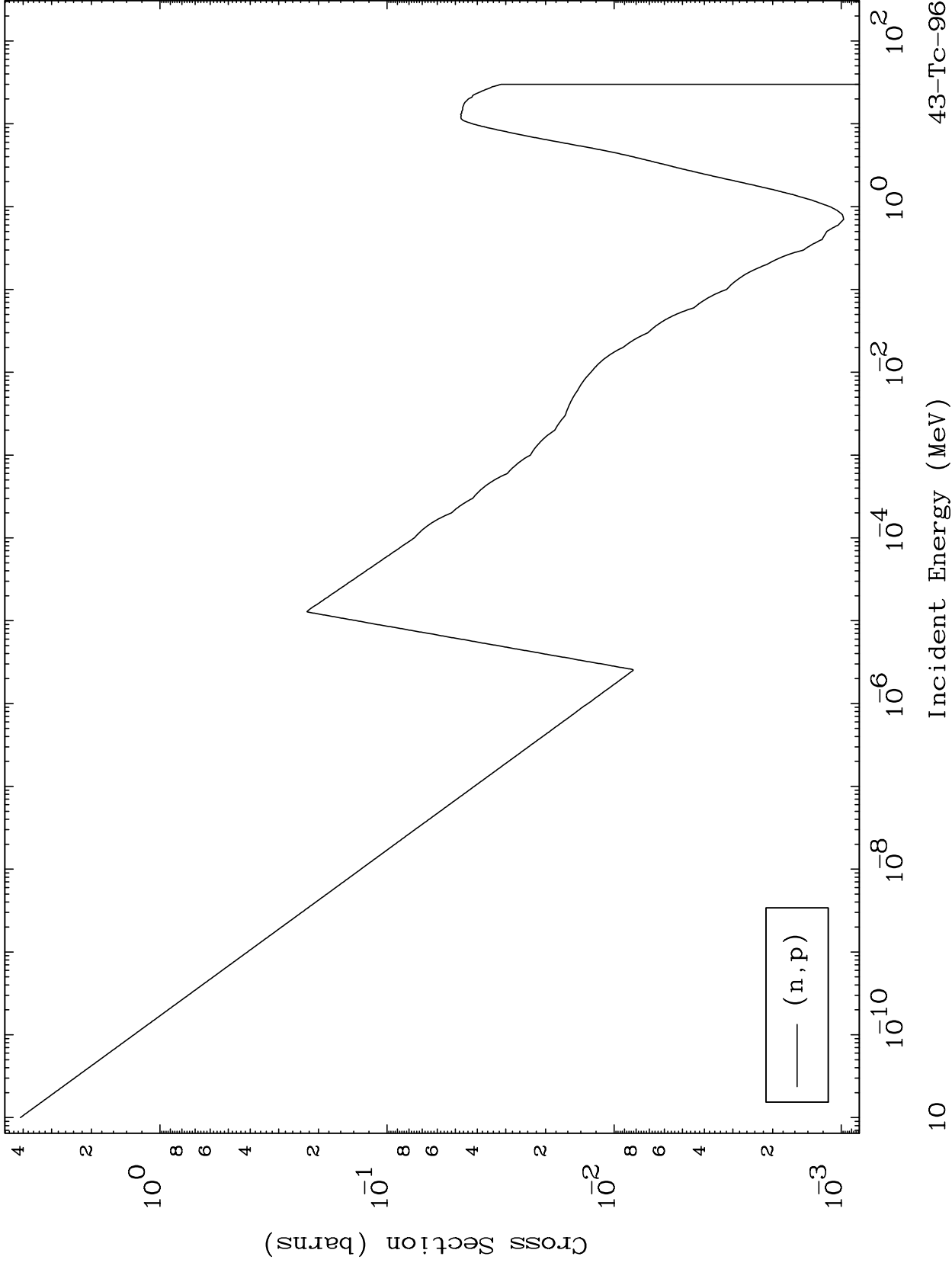
Incident Energy (MeV)

43-Tc-96

MAT 4317

(n,p) Levels
293 Kelvin Cross Sections

43-Tc-96



10

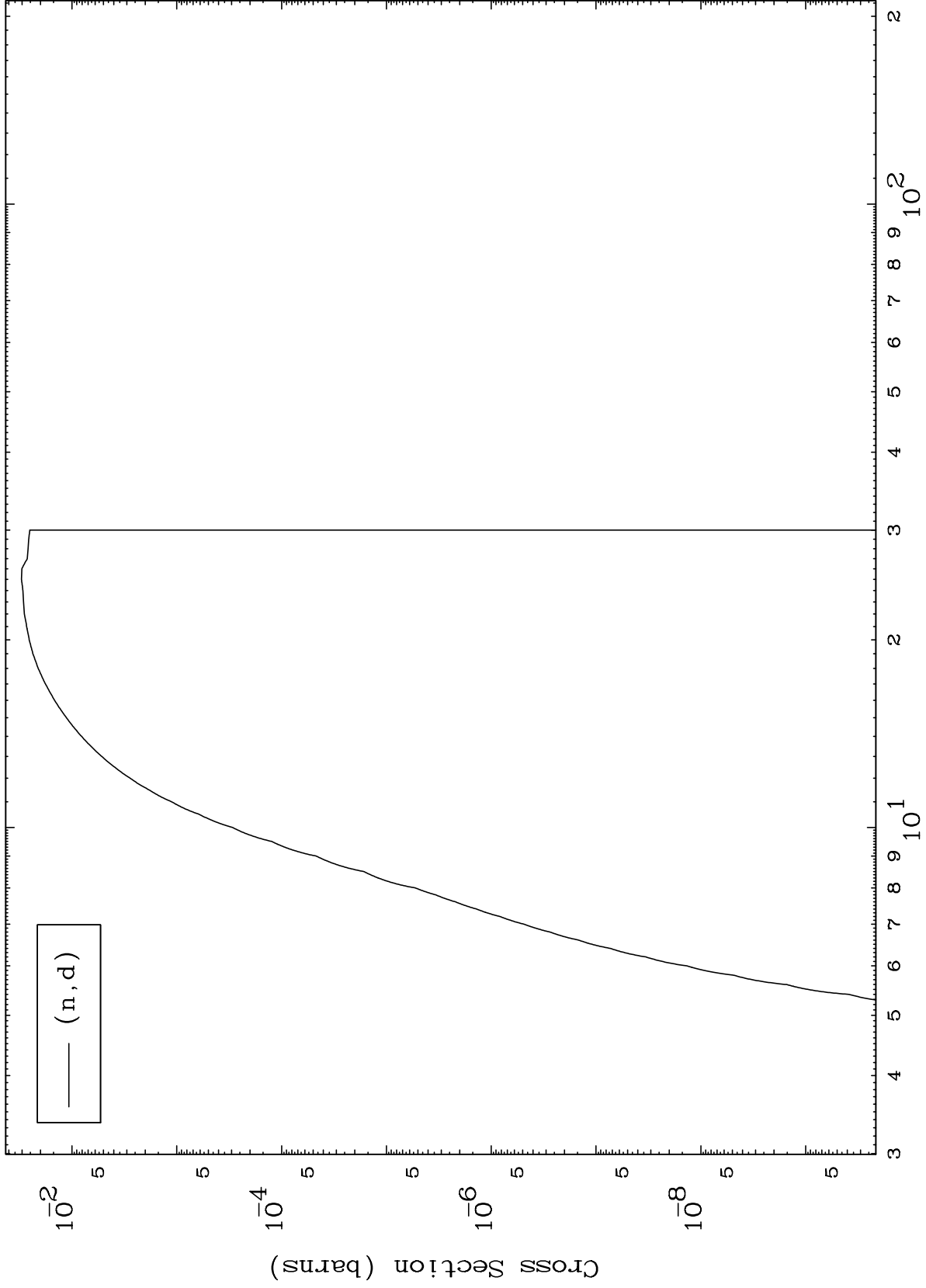
Incident Energy (MeV)

43-Tc-96

MAT 4317

(n,d) Levels
293 Kelvin Cross Sections

43-Tc-96



11

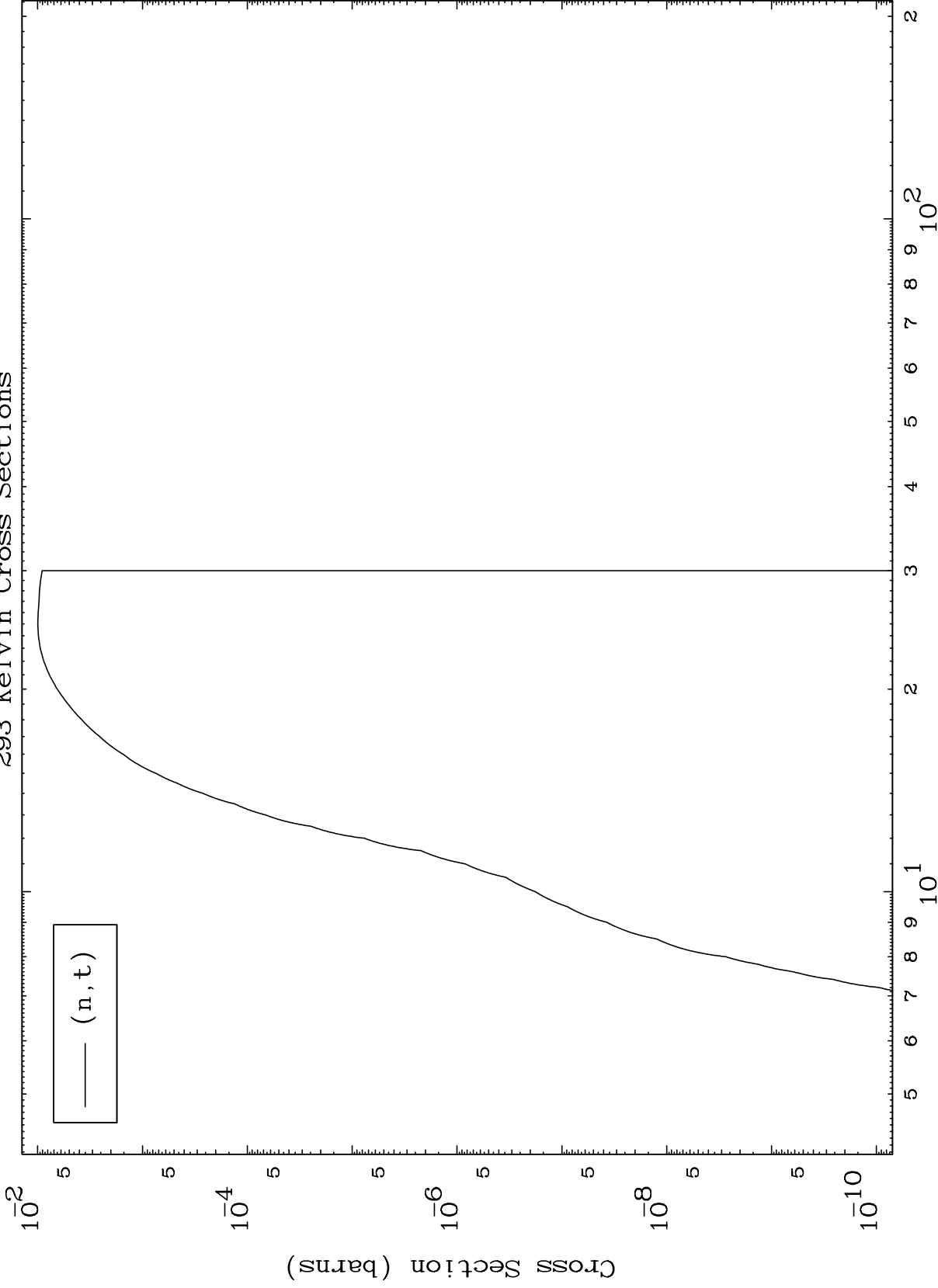
Incident Energy (MeV)

43-Tc-96

MAT 4317

(n,t) Levels
293 Kelvin Cross Sections

43-Tc-96



12

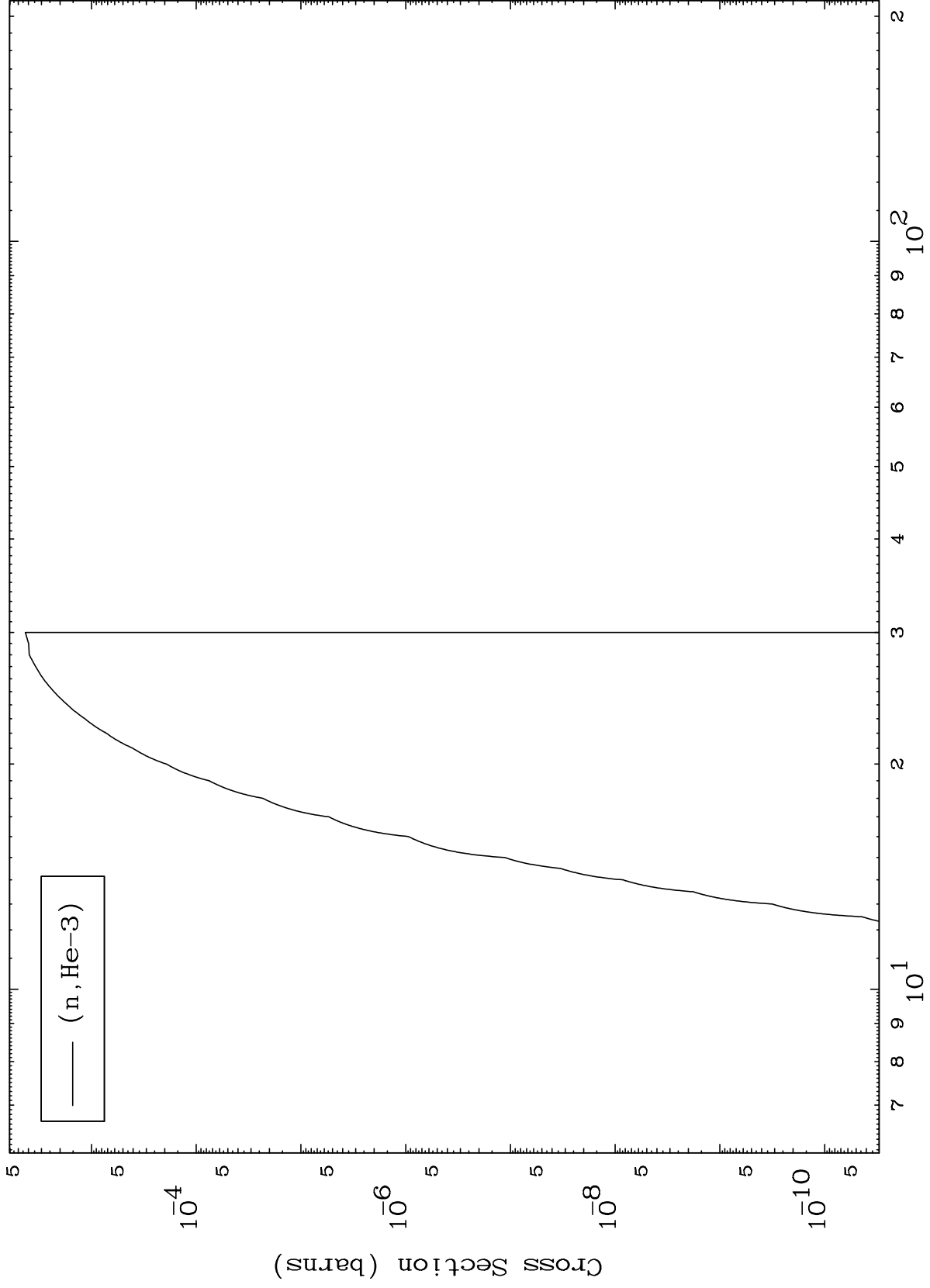
Incident Energy (MeV)

43-Tc-96

MAT 4317

(n,He3) Levels
293 Kelvin Cross Sections

43-Tc-96



13

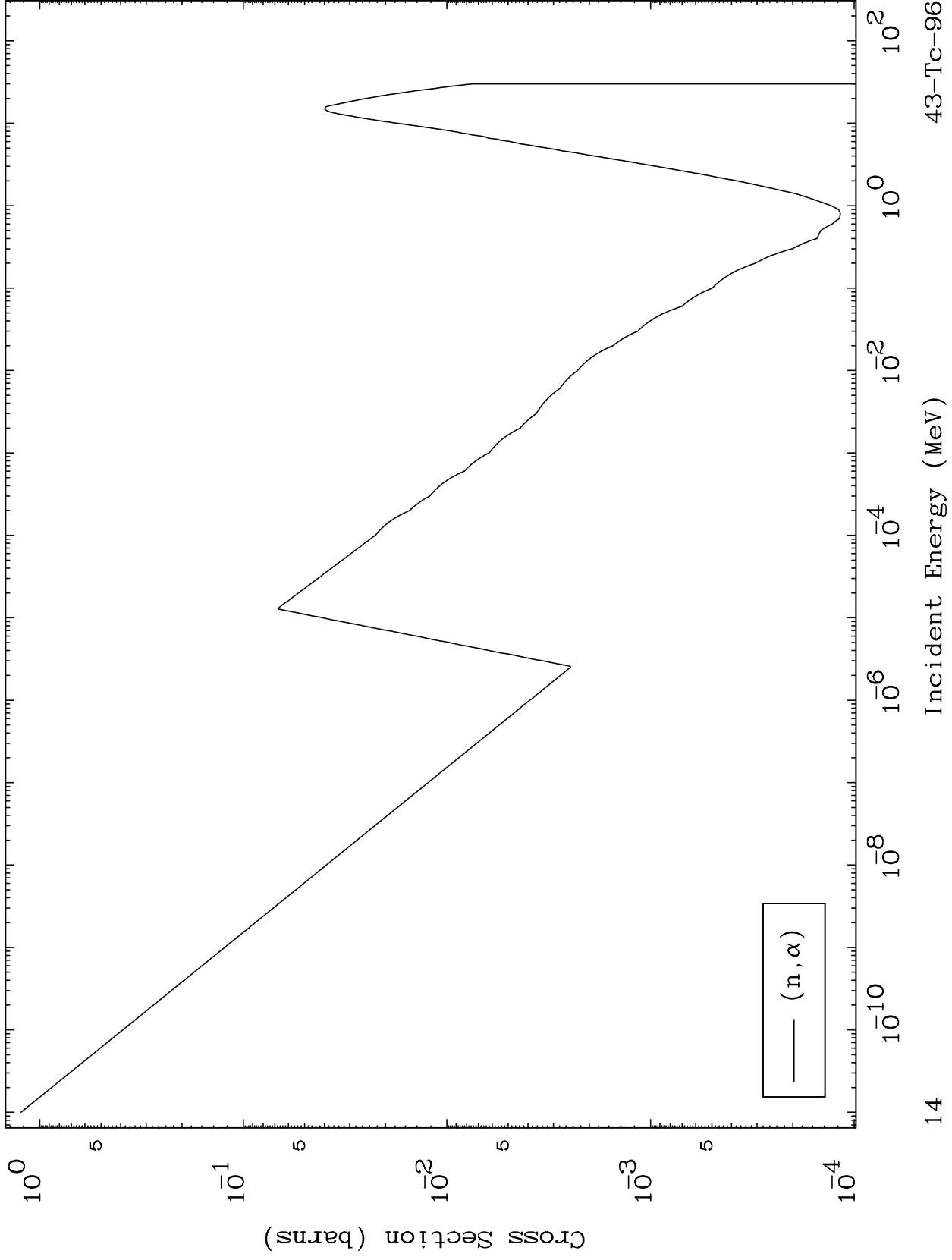
Incident Energy (MeV)

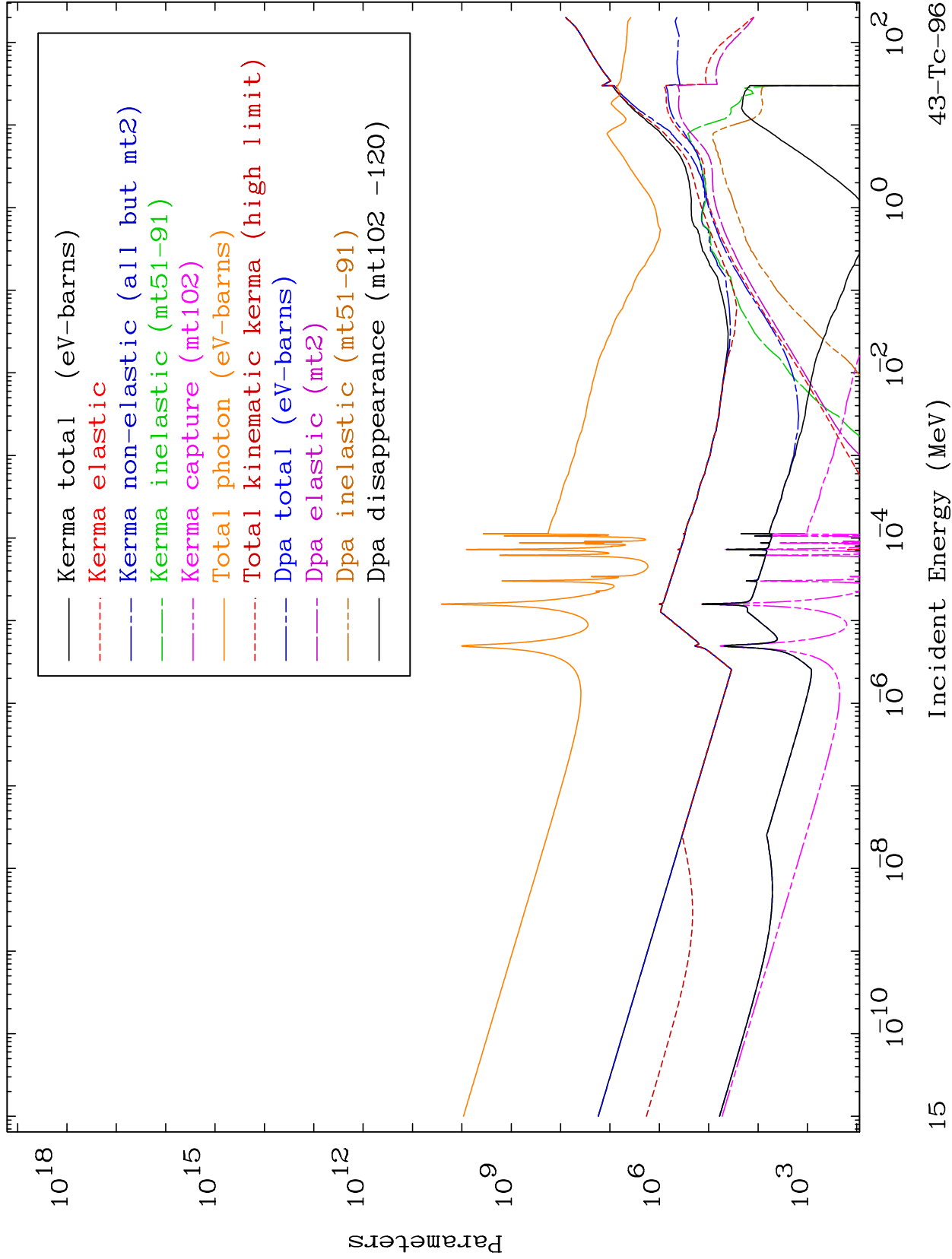
43-Tc-96

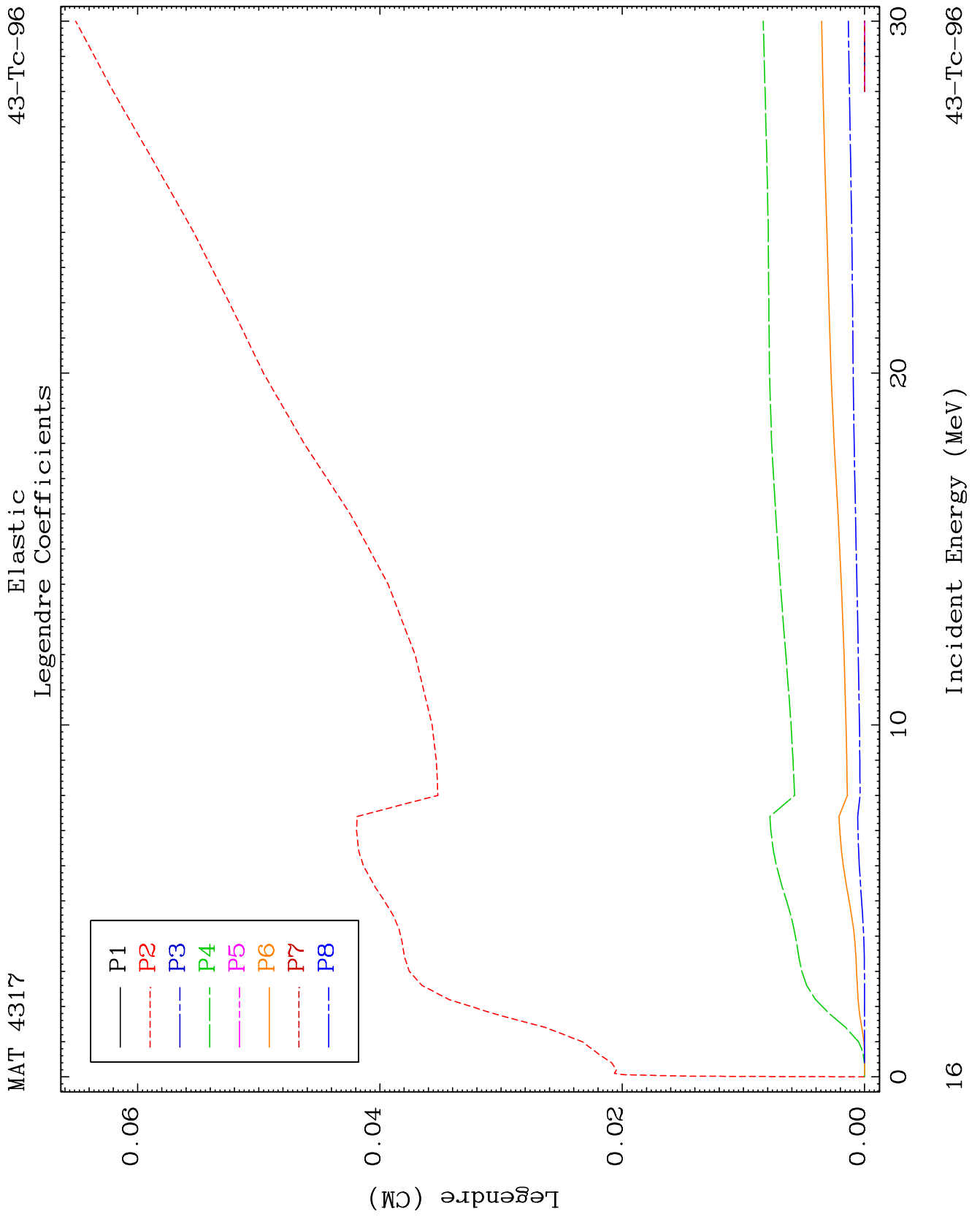
MAT 4317

(n, α) Levels
293 Kelvin Cross Sections

43-Tc-96



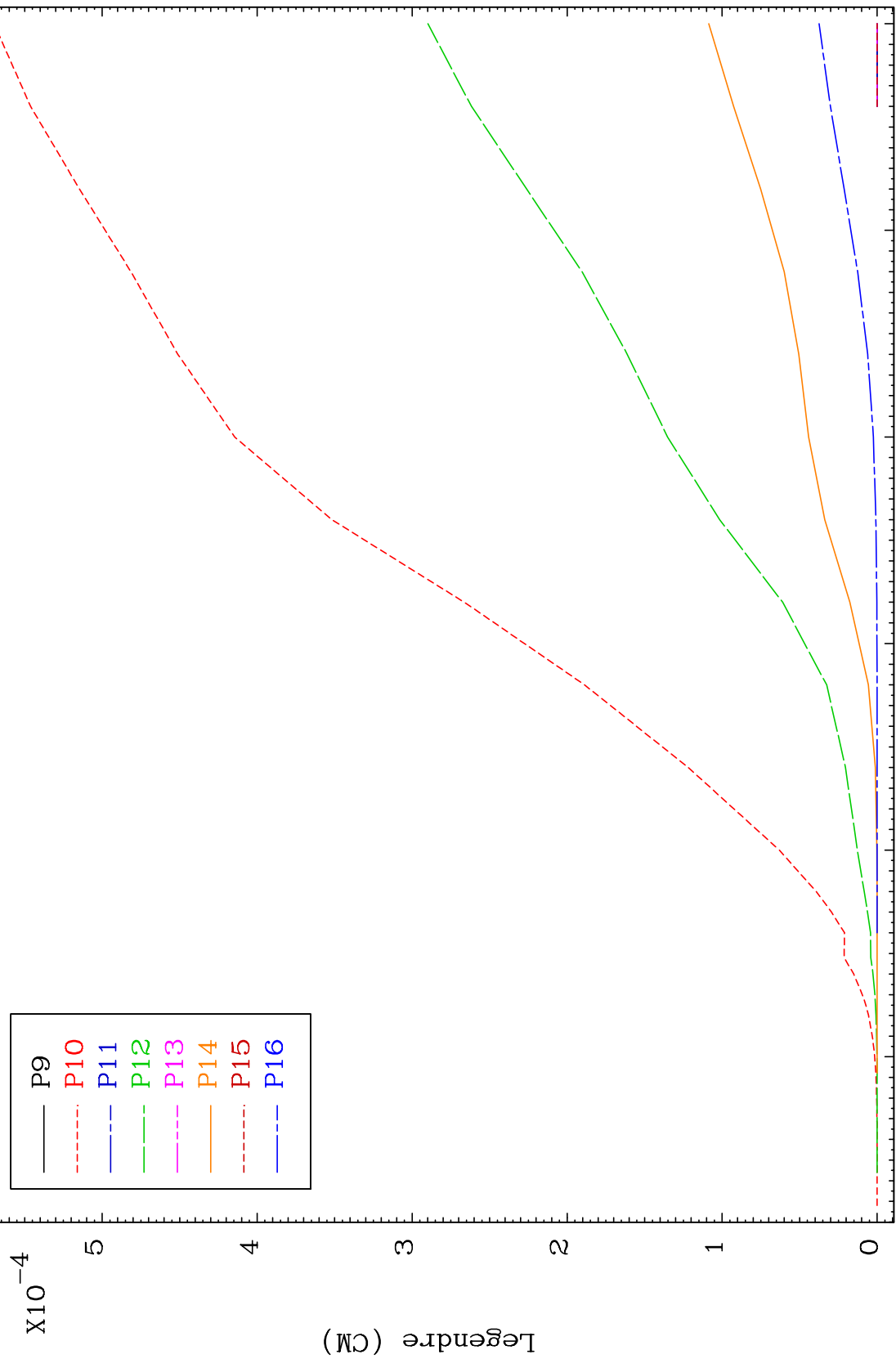
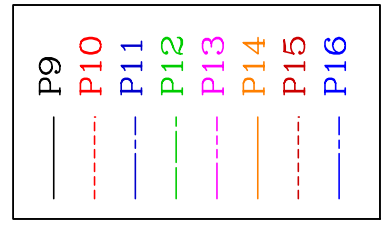




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Elastic Legendre Coefficients

43-Tc-96



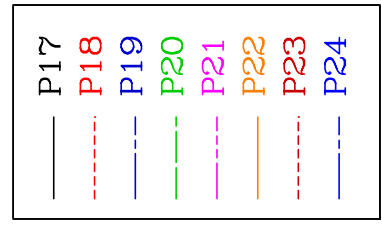
17

43-Tc-96

MAT 4317

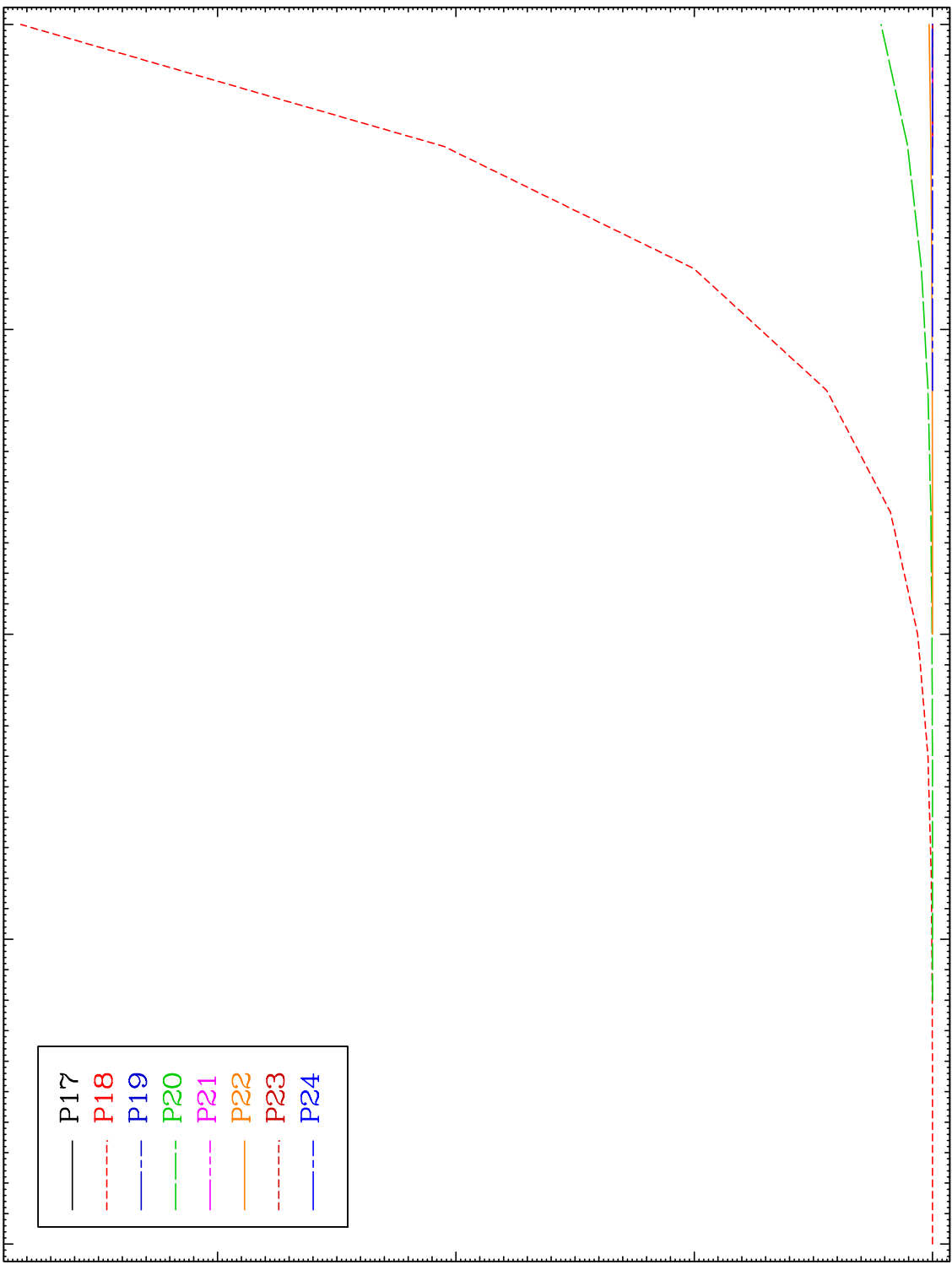
Elastic Legendre Coefficients

43-Tc-96



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

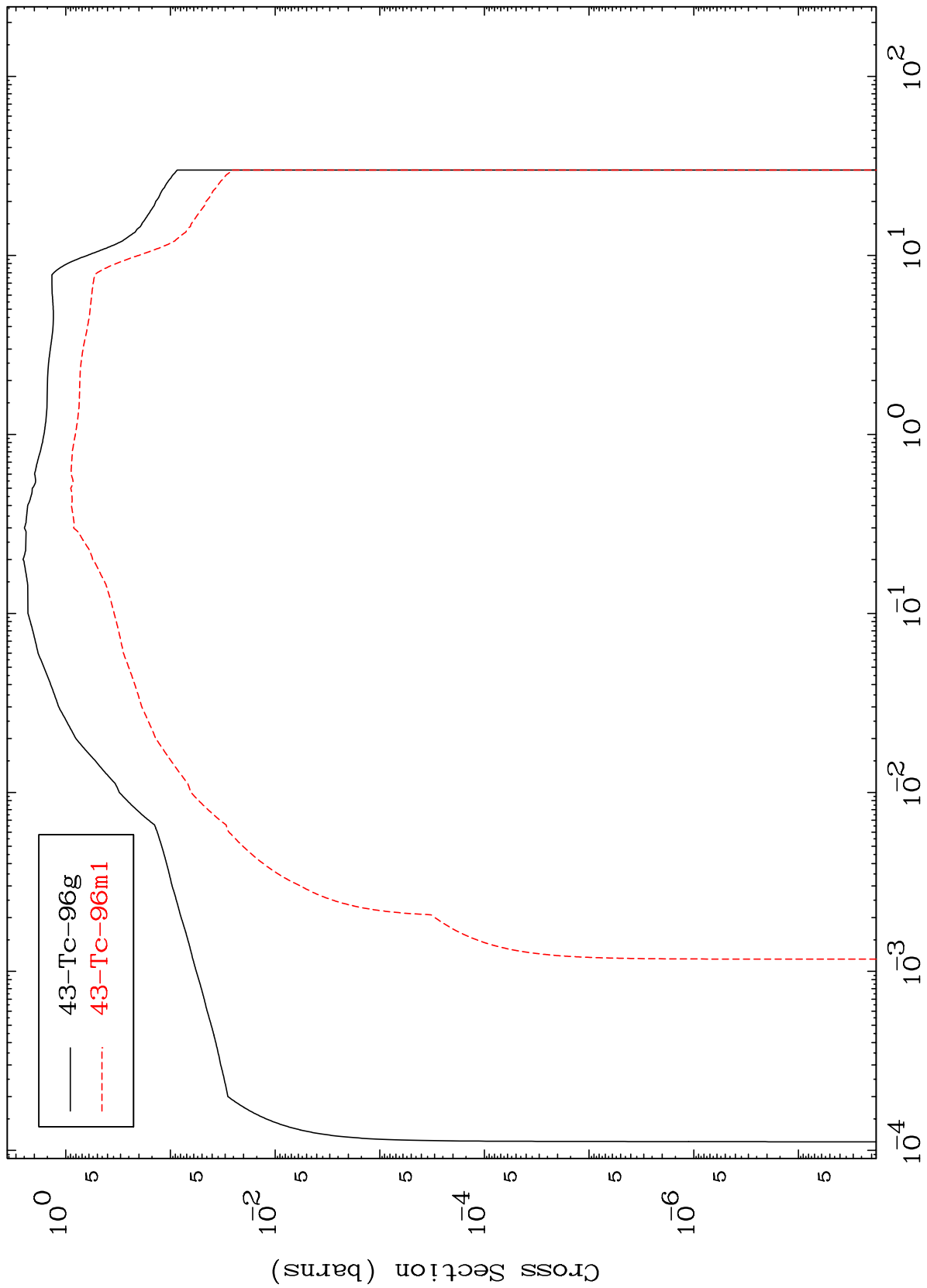
Incident Energy (MeV)

43-Tc-96

MAT 4317

43-Tc-96

Inelastic
Radionuclide Production Cross Section



— 43-Tc-96g
- - - 43-Tc-96m1

43-Tc-96

Incident Energy (MeV)

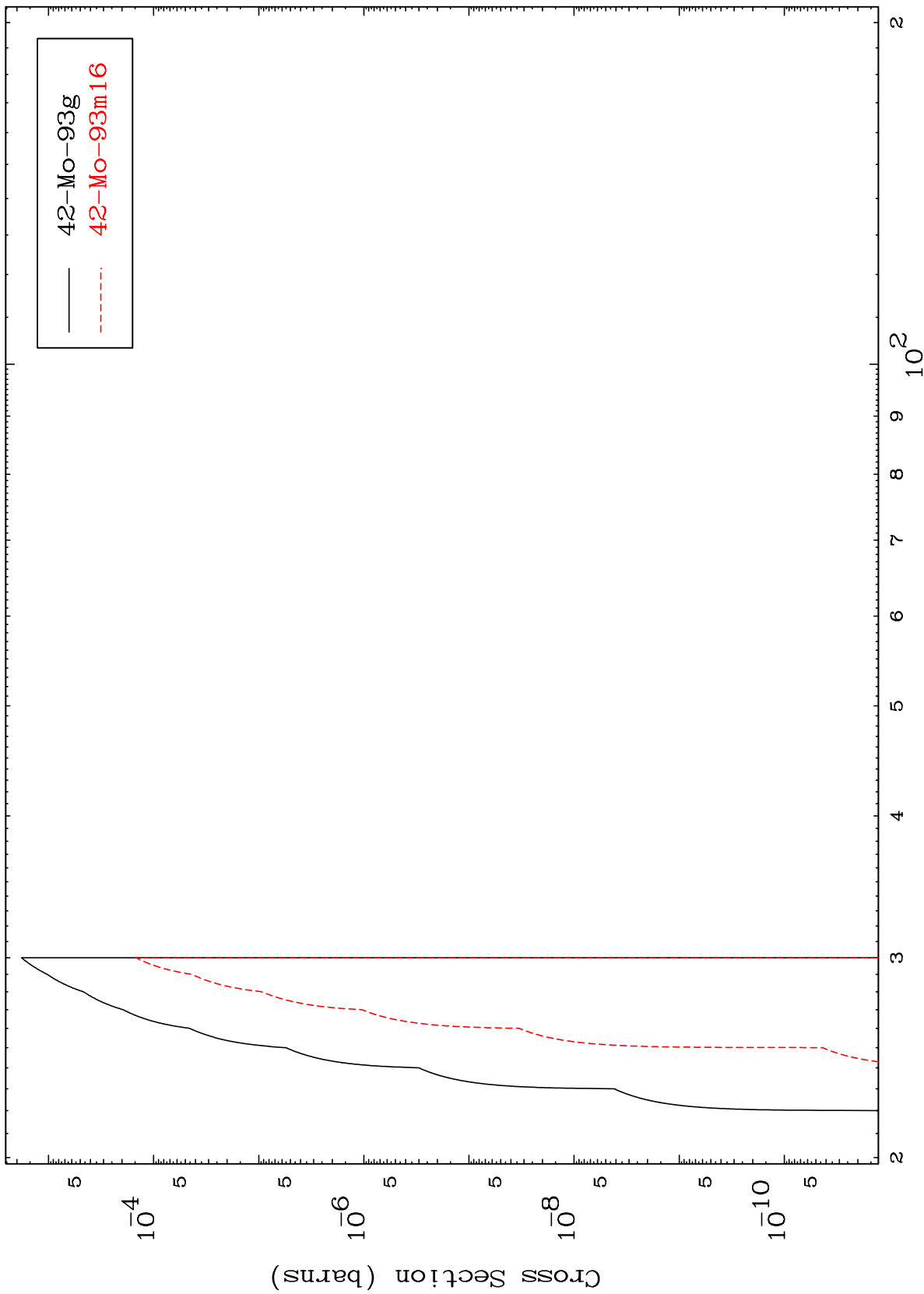
19

MAT 4317

(n,2n) d

43-Tc-96

Radionuclide Production Cross Section



42-Mo-93g
42-Mo-93m16

20

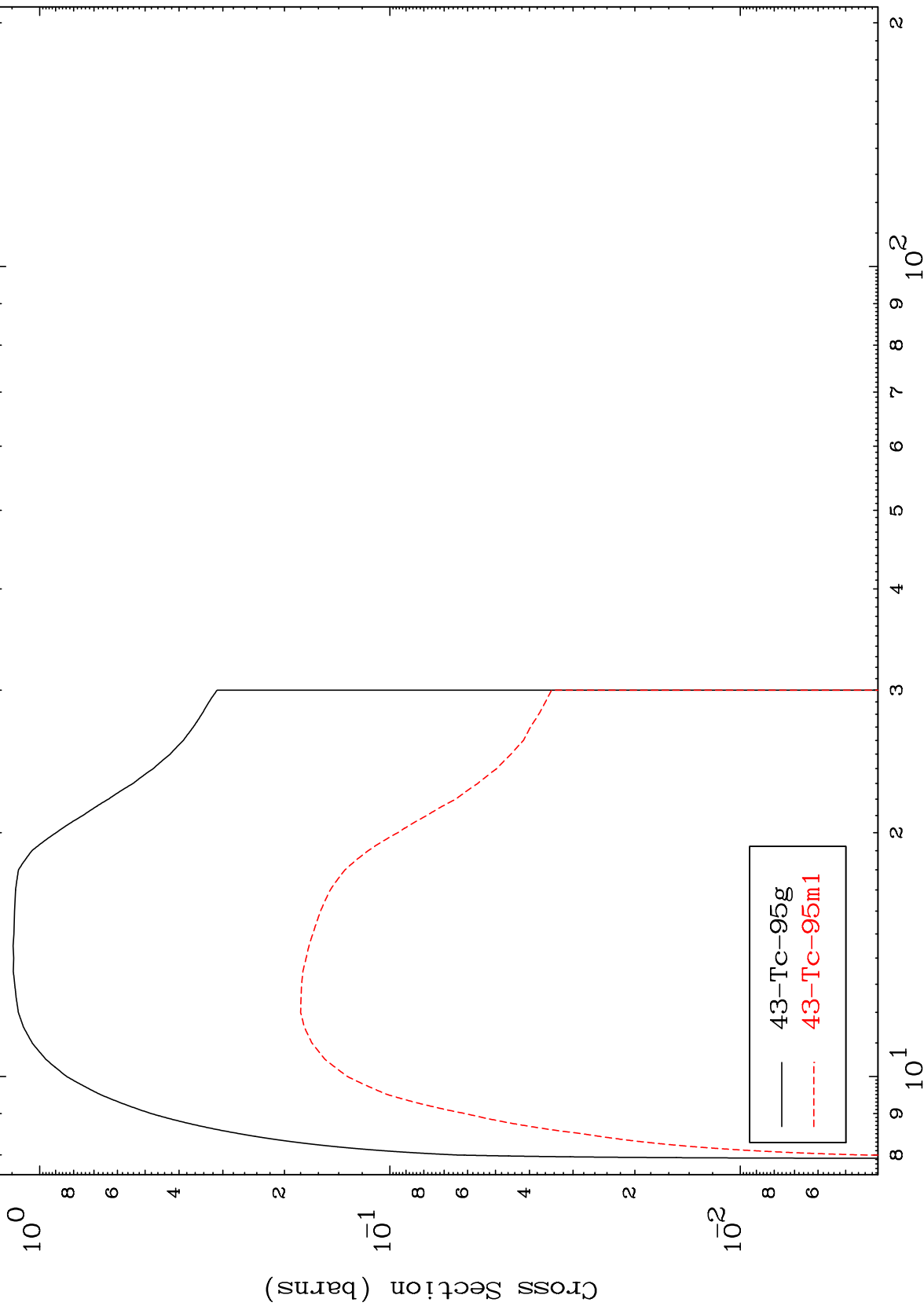
Incident Energy (MeV)

43-Tc-96

MAT 4317

43-Tc-96

Radionuclide Production Cross Section

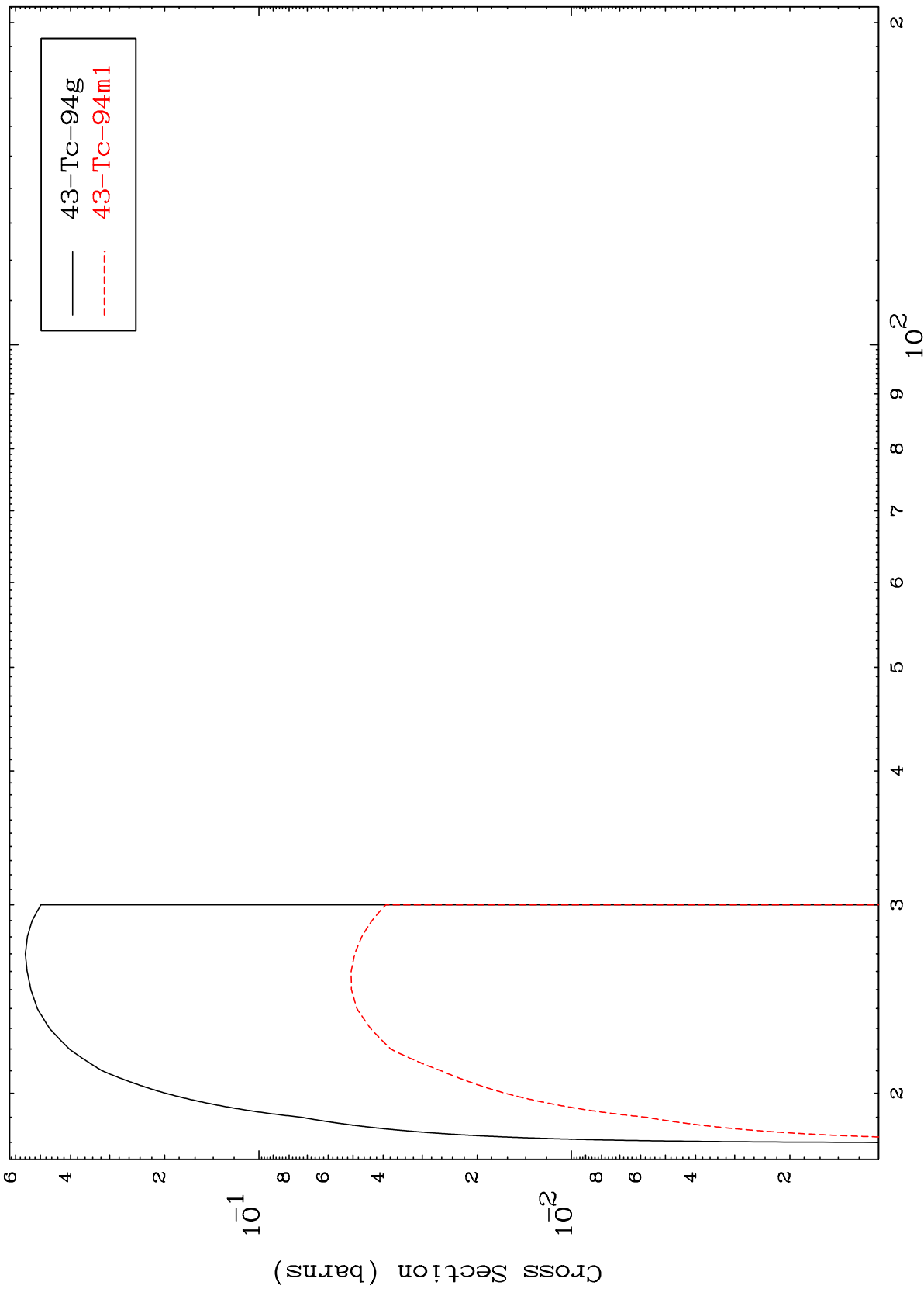


43-Tc-96

Incident Energy (MeV)

21

(n,3n)
Radionuclide Production Cross Section

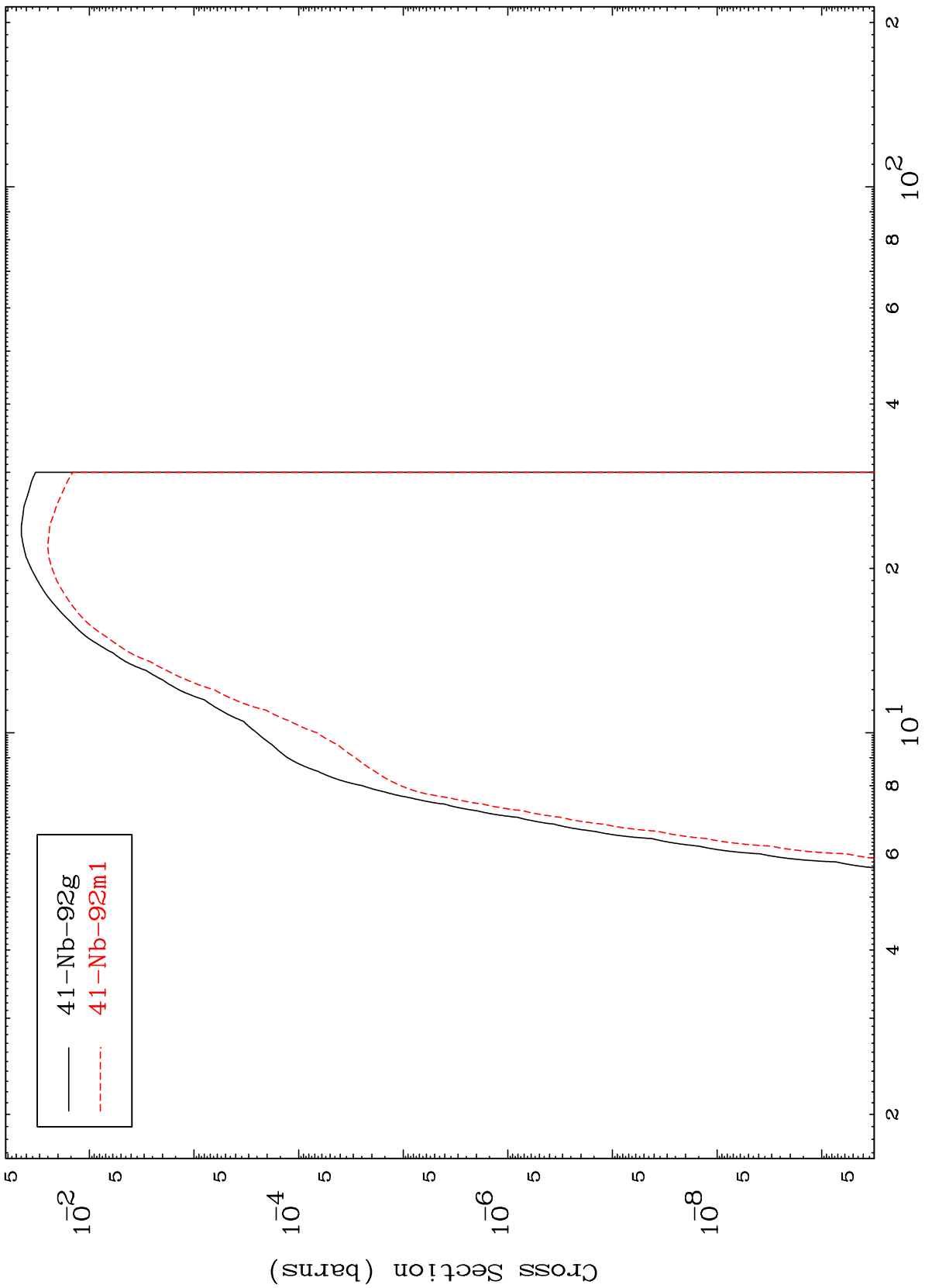


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(n,n') α

43-Tc-96

Radionuclide Production Cross Section



23

Incident Energy (MeV)

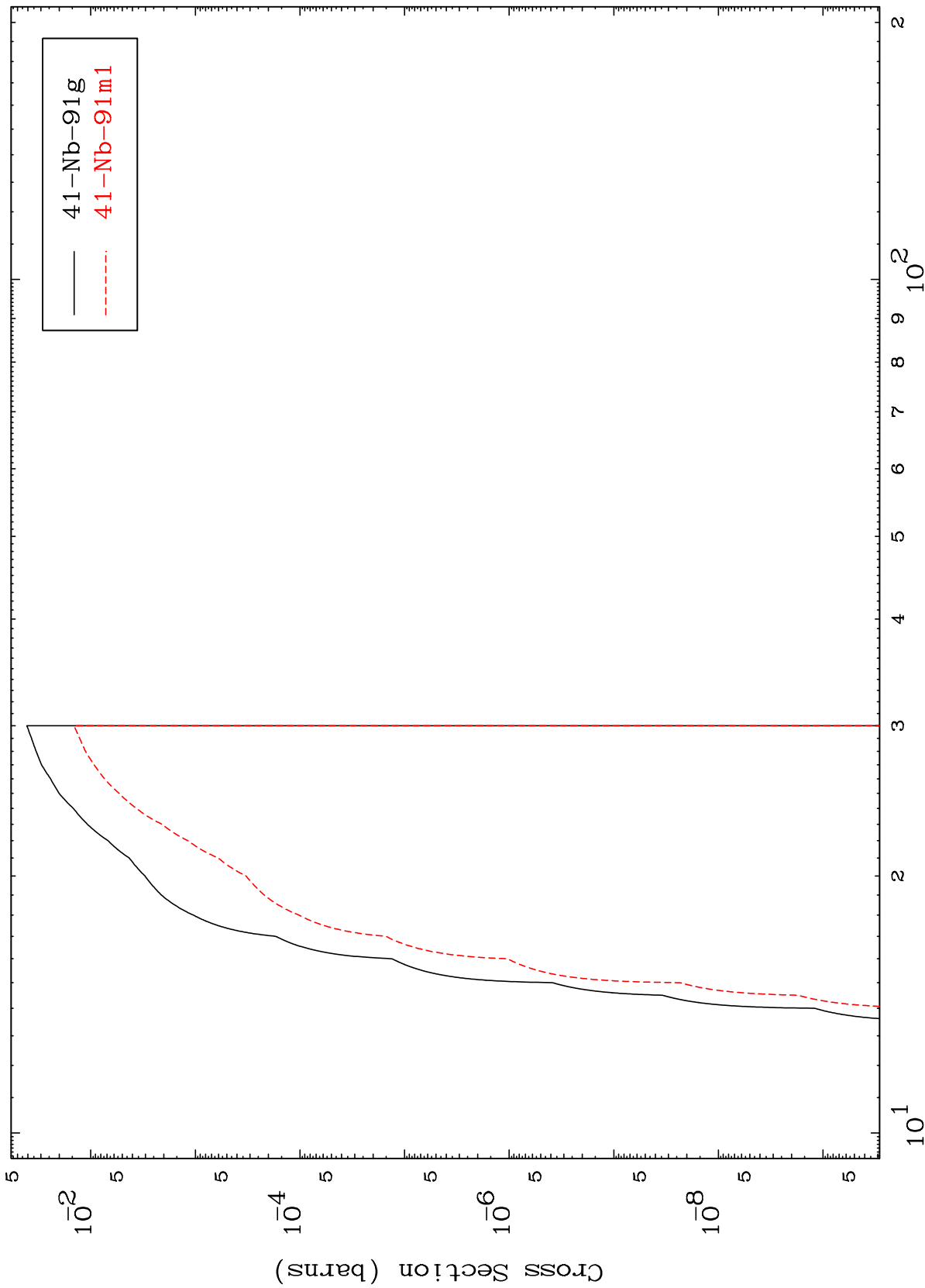
43-Tc-96

MAT 4317

(n,2n) α

43-Tc-96

Radionuclide Production Cross Section



Incident Energy (MeV)

43-Tc-96

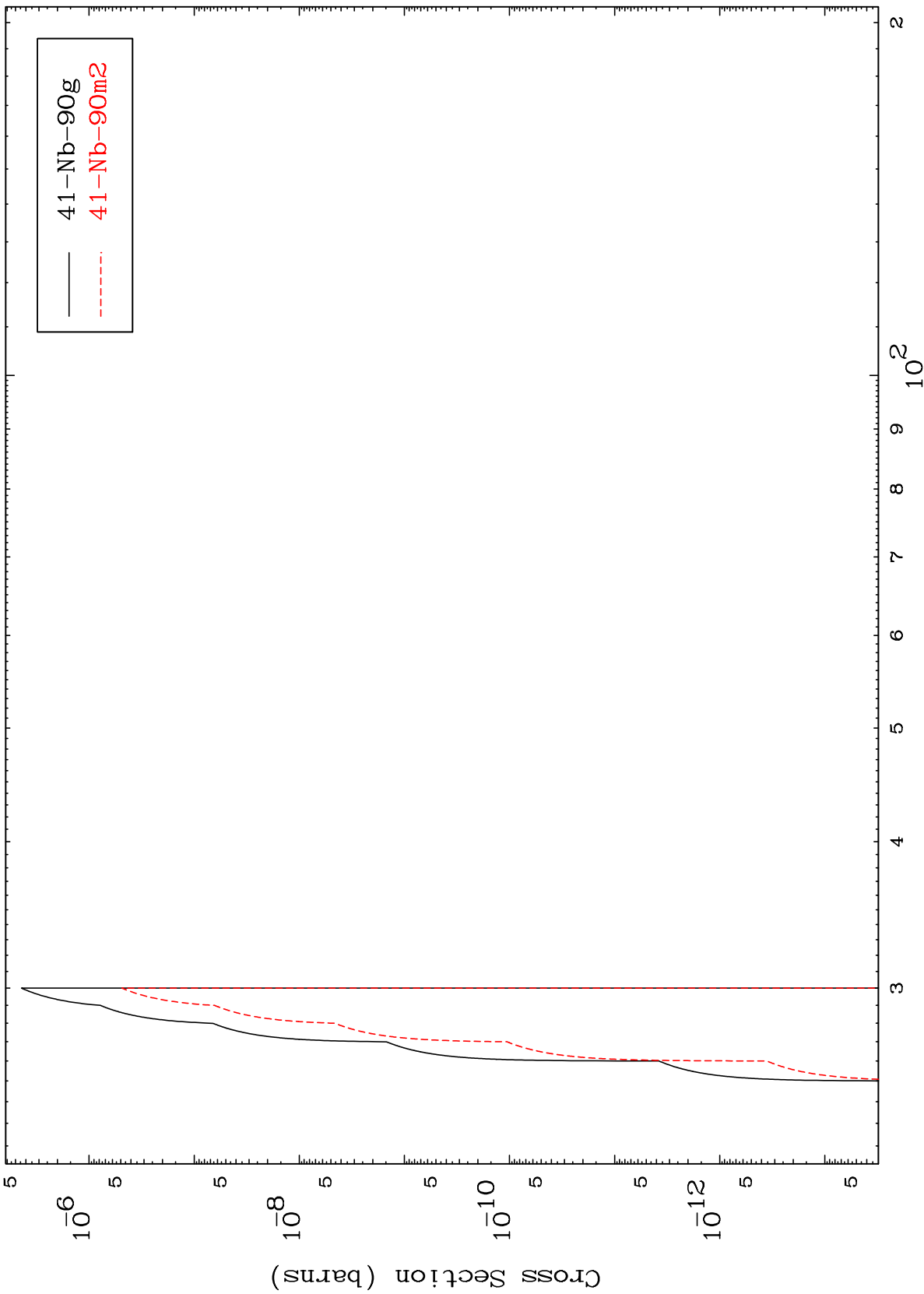
24

MAT 4317

(n,3n) α

43-Tc-96

Radionuclide Production Cross Section



25

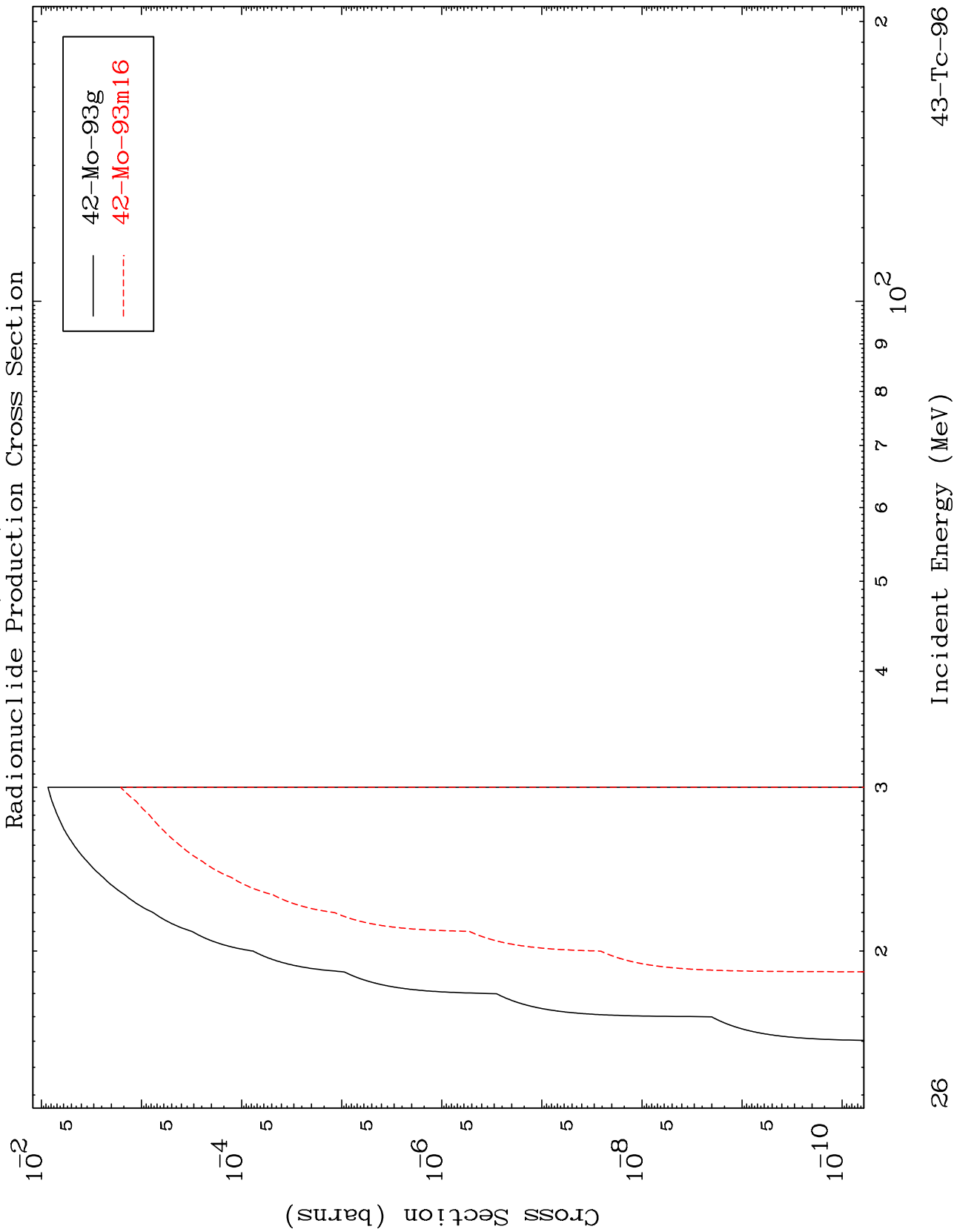
Incident Energy (MeV)

43-Tc-96

MAT 4317

(n,n') t

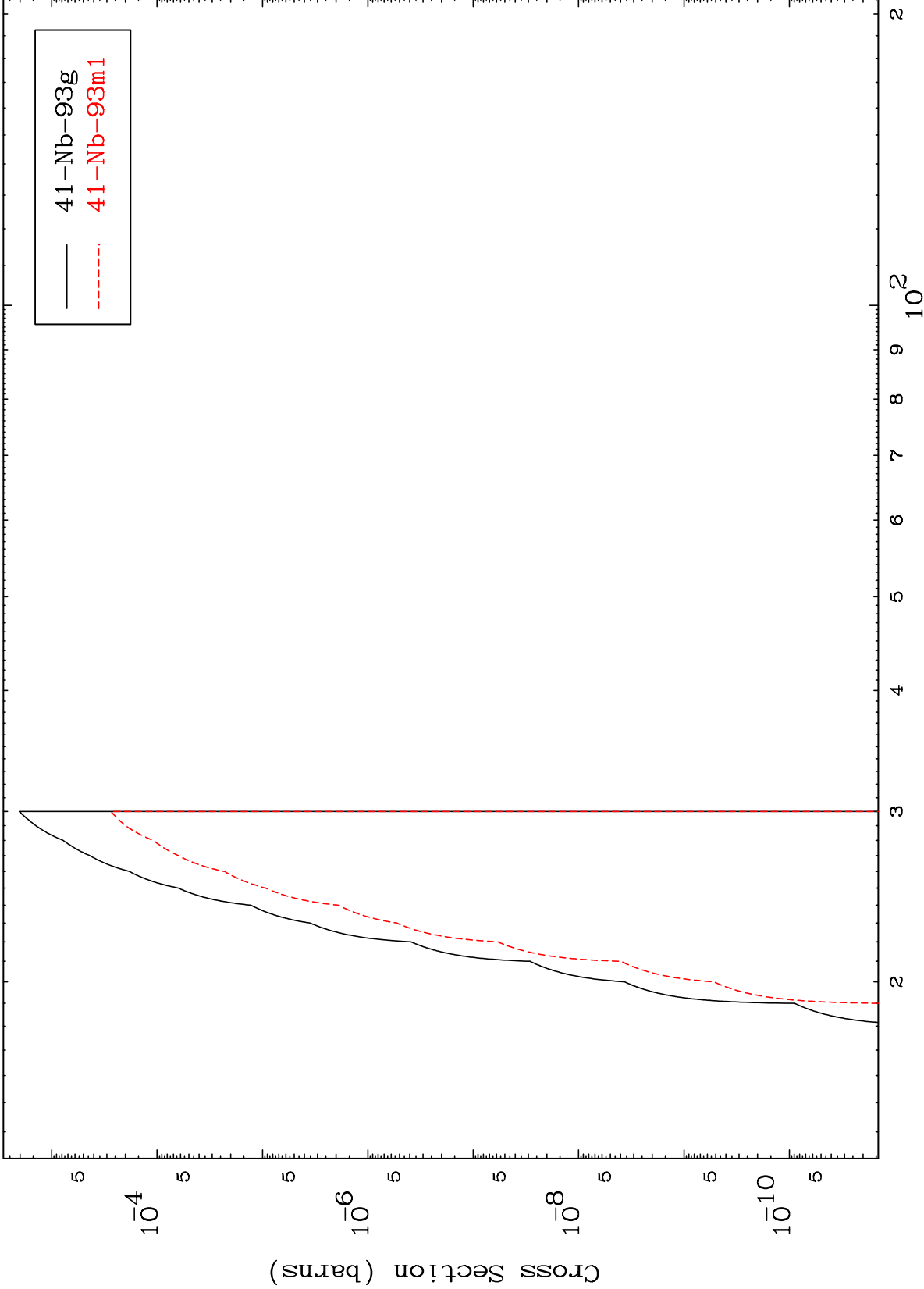
43-Tc-96



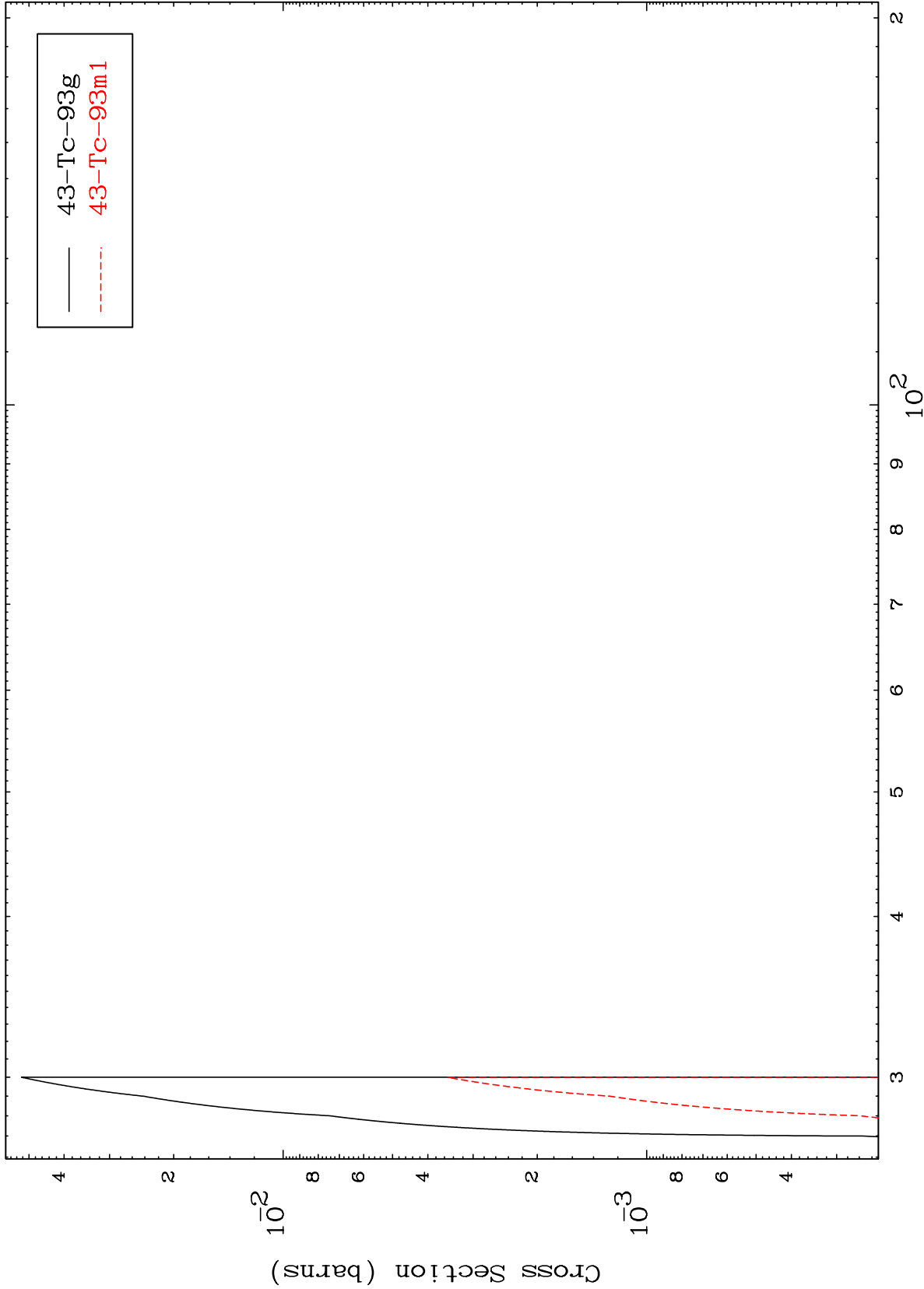
26

43-Tc-96

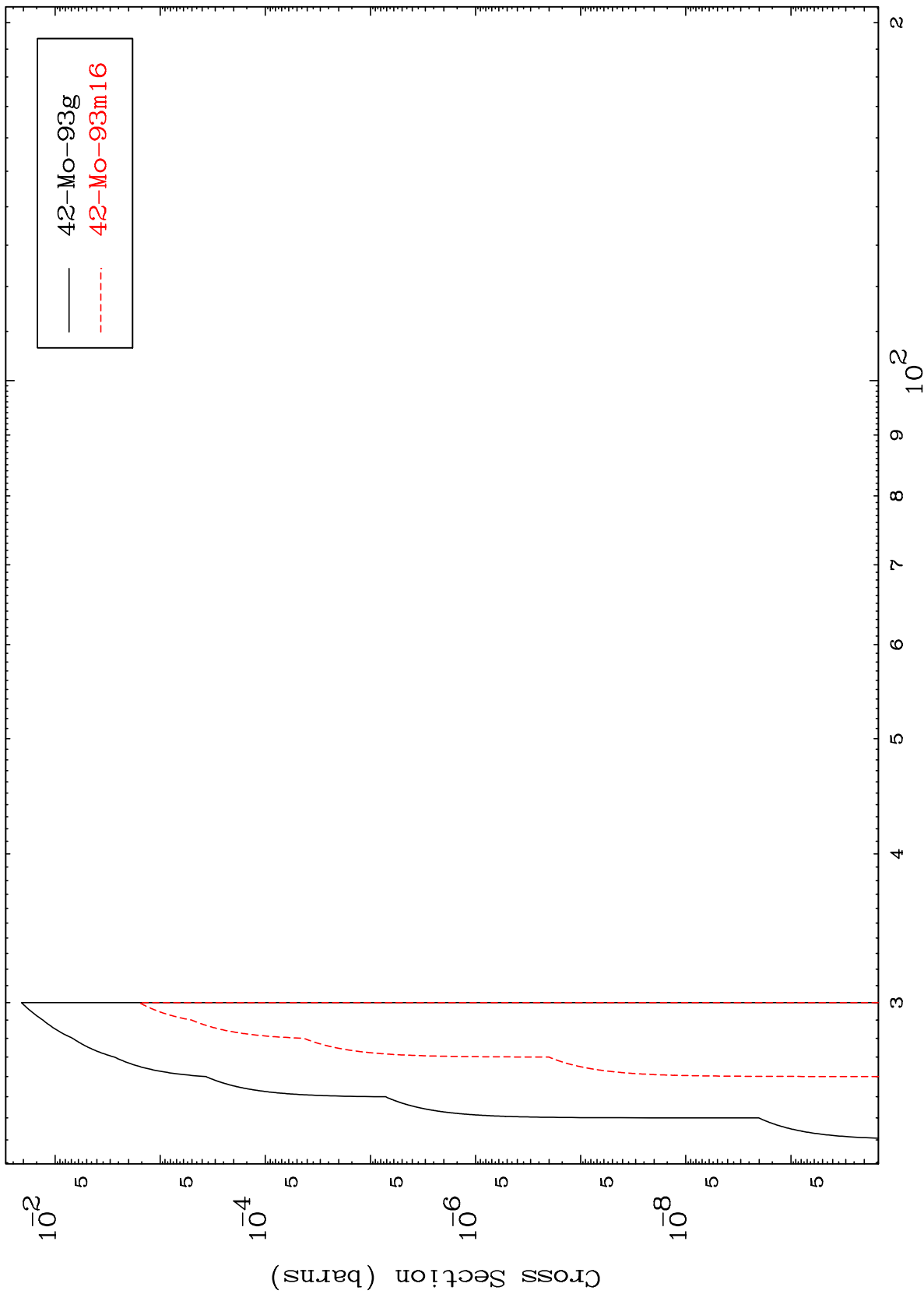
Radionuclide Production Cross Section



(n,4n)
Radionuclide Production Cross Section



Radionuclide Production Cross Section



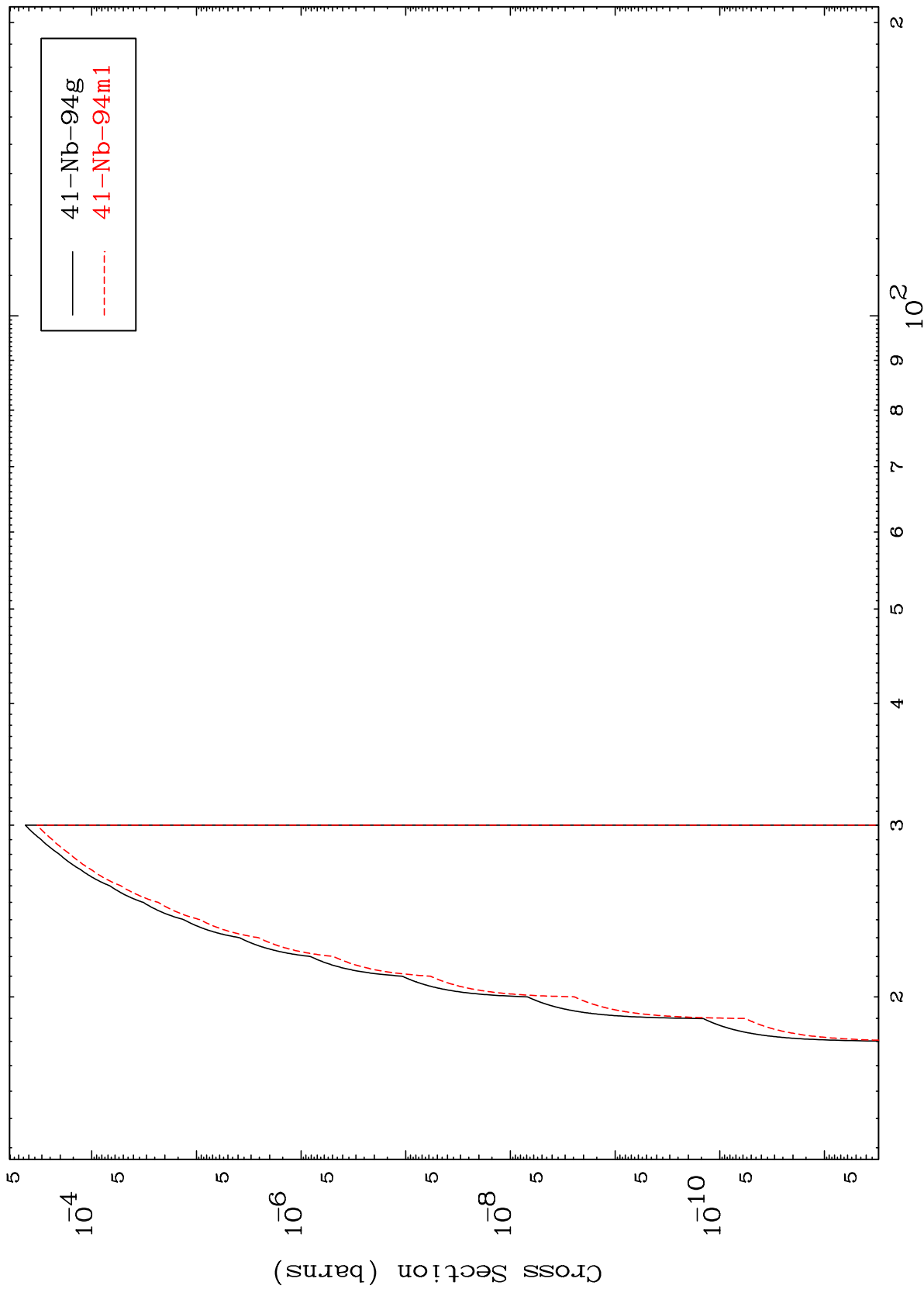
42-Mo-93g
42-Mo-93m16

MAT 4317

(n,2n) p

43-Tc-96

Radionuclide Production Cross Section



41-Nb-94g
41-Nb-94m1

30

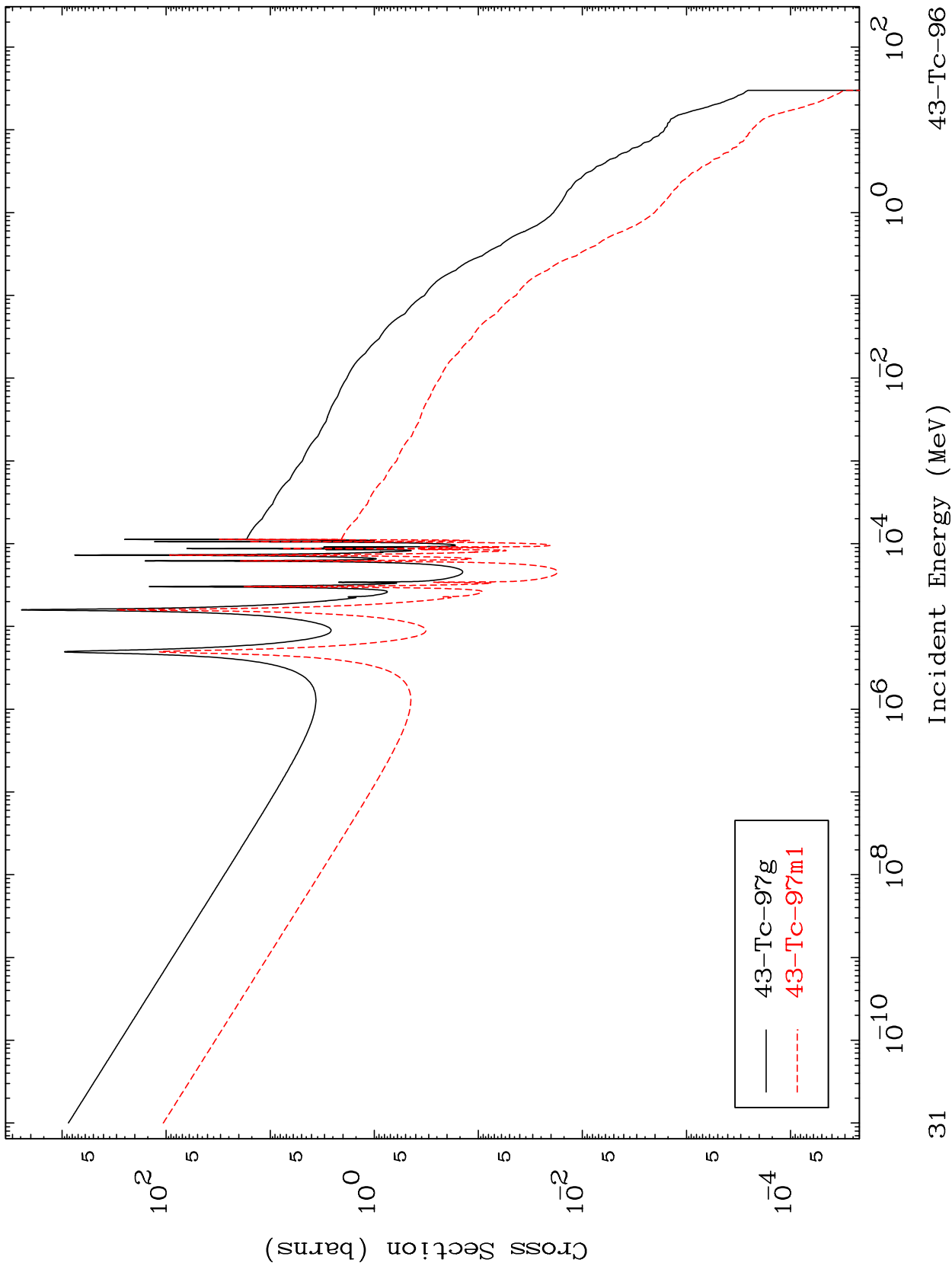
Incident Energy (MeV)

43-Tc-96

MAT 4317

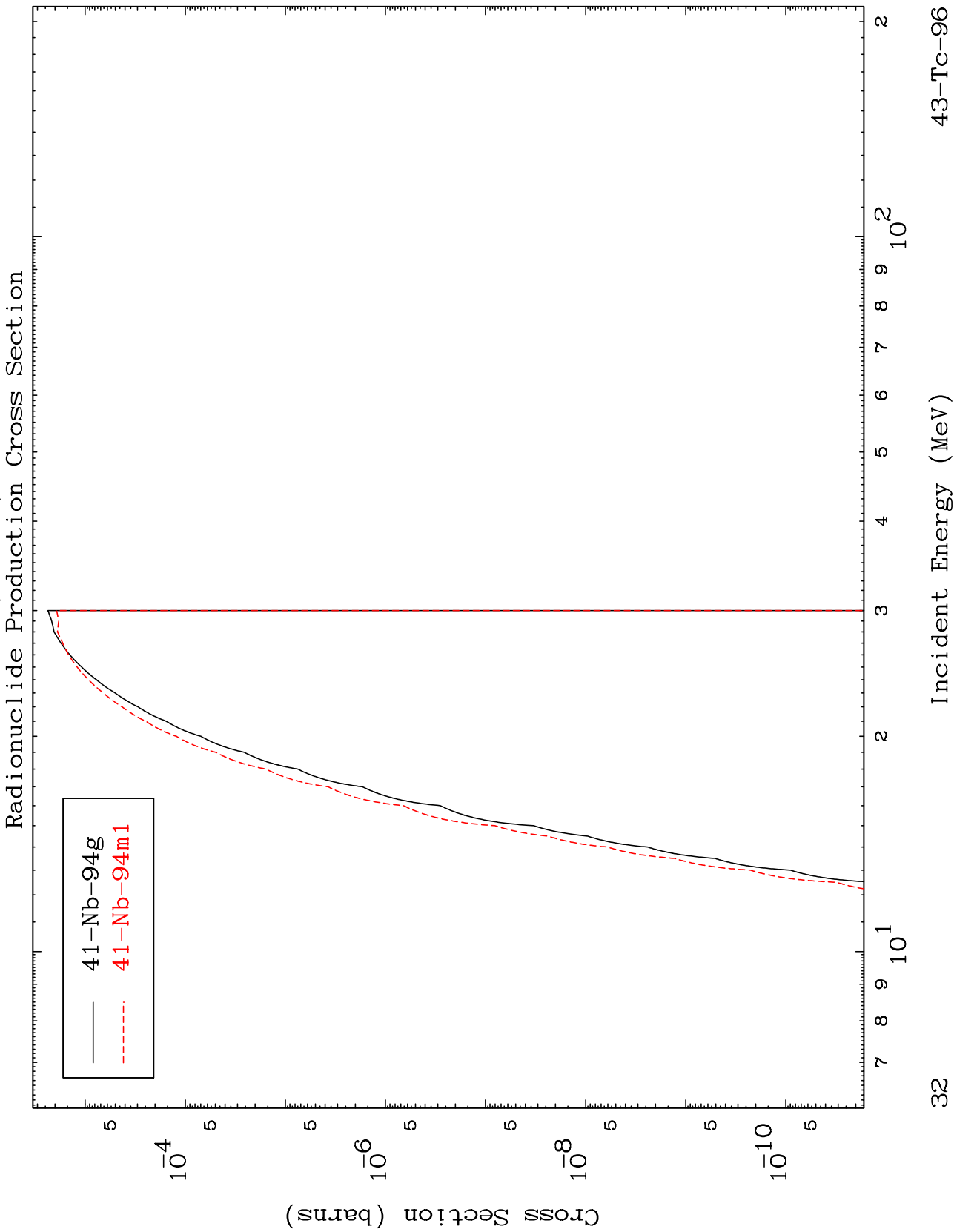
43-Tc-96

(n, γ)
Radionuclide Production Cross Section



MAT 4317

43-Tc-96

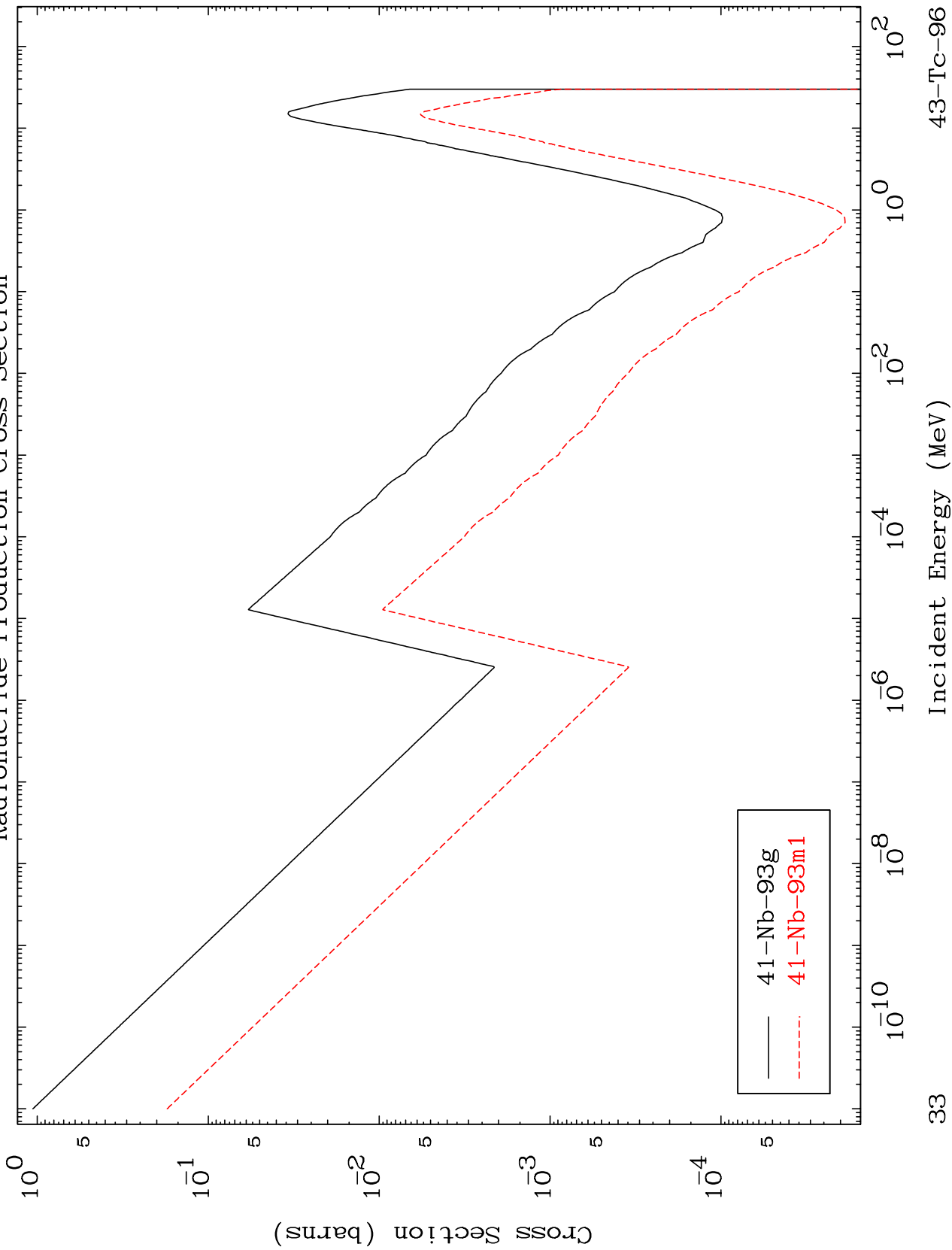


— 41-Nb-94g
- - - 41-Nb-94m1

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43-Tc-96

Radionuclide Production Cross Section
(n, α)



33

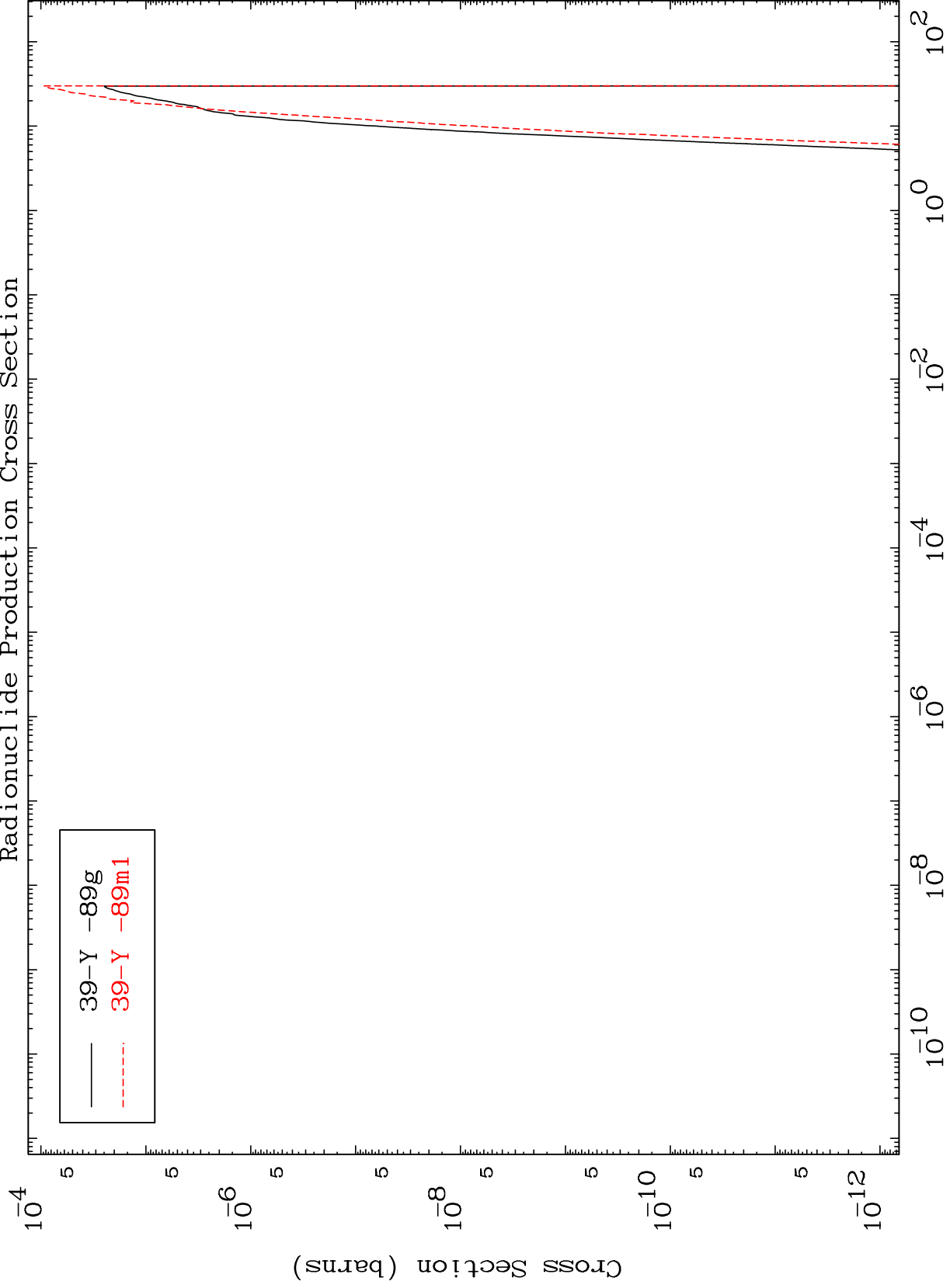
43-Tc-96

MAT 4317

(n,2α)

43-Tc-96

Radionuclide Production Cross Section



34

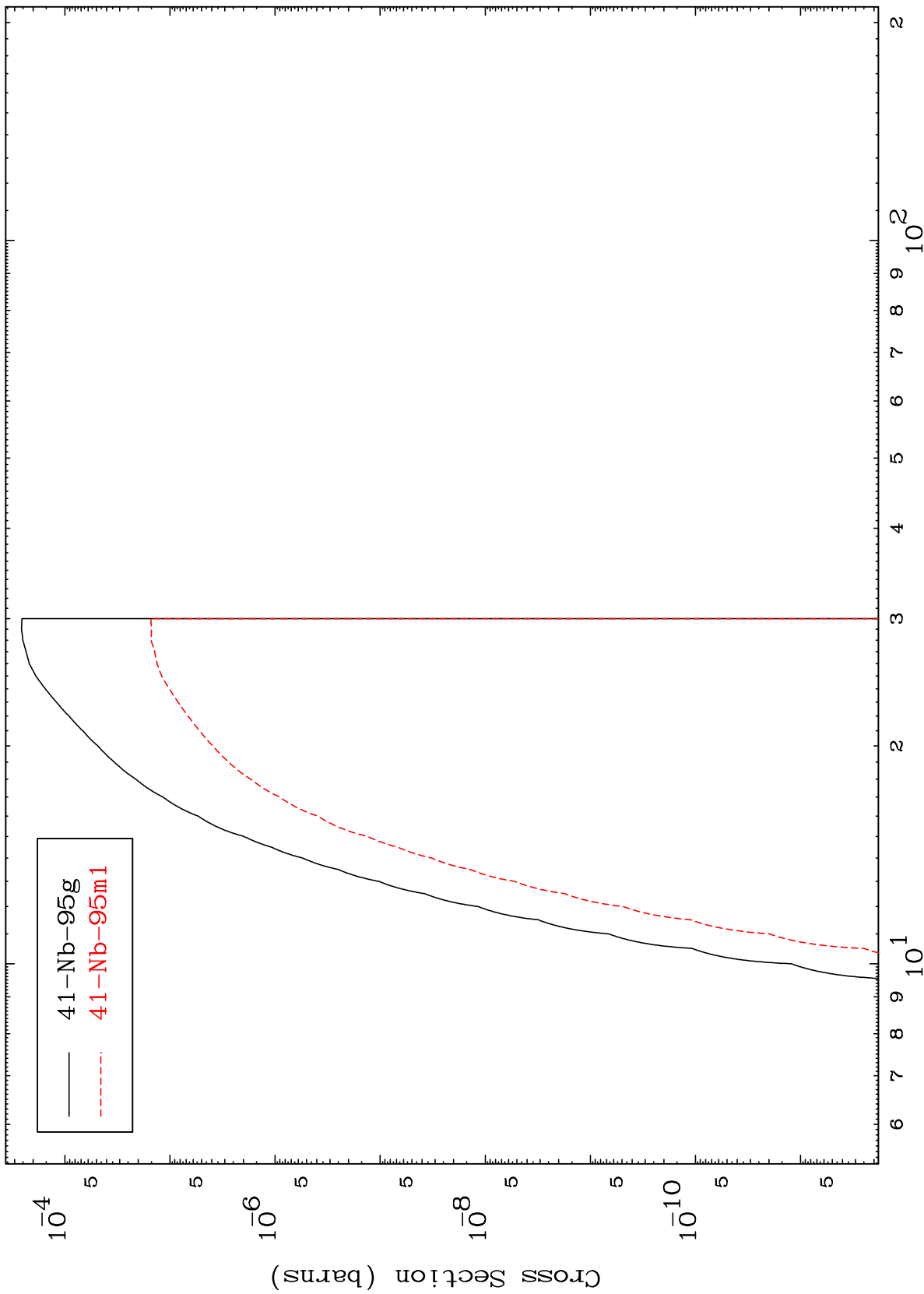
Incident Energy (MeV)

43-Tc-96

MAT 4317

43-Tc-96

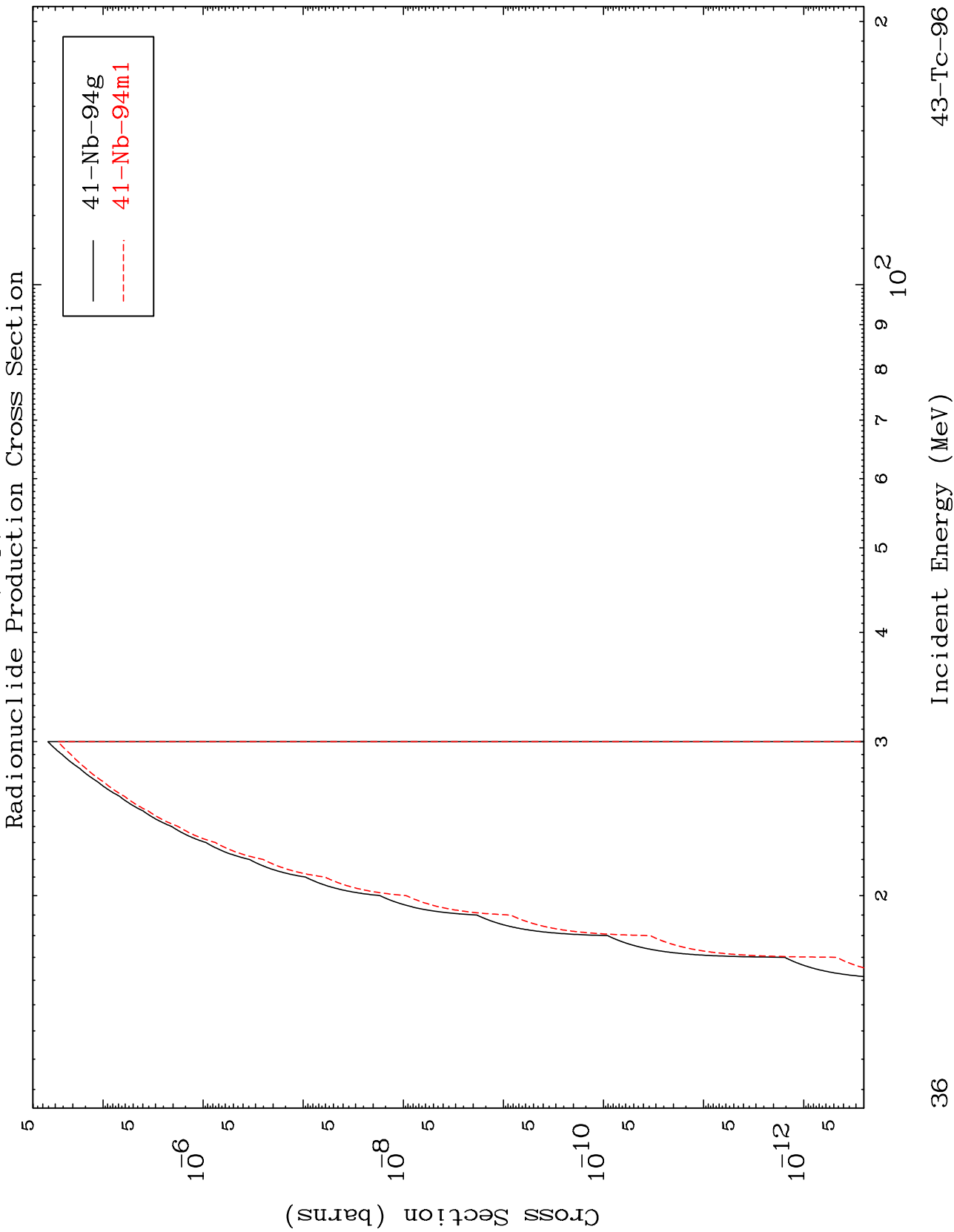
(n,2p)
Radionuclide Production Cross Section



35

Incident Energy (MeV)

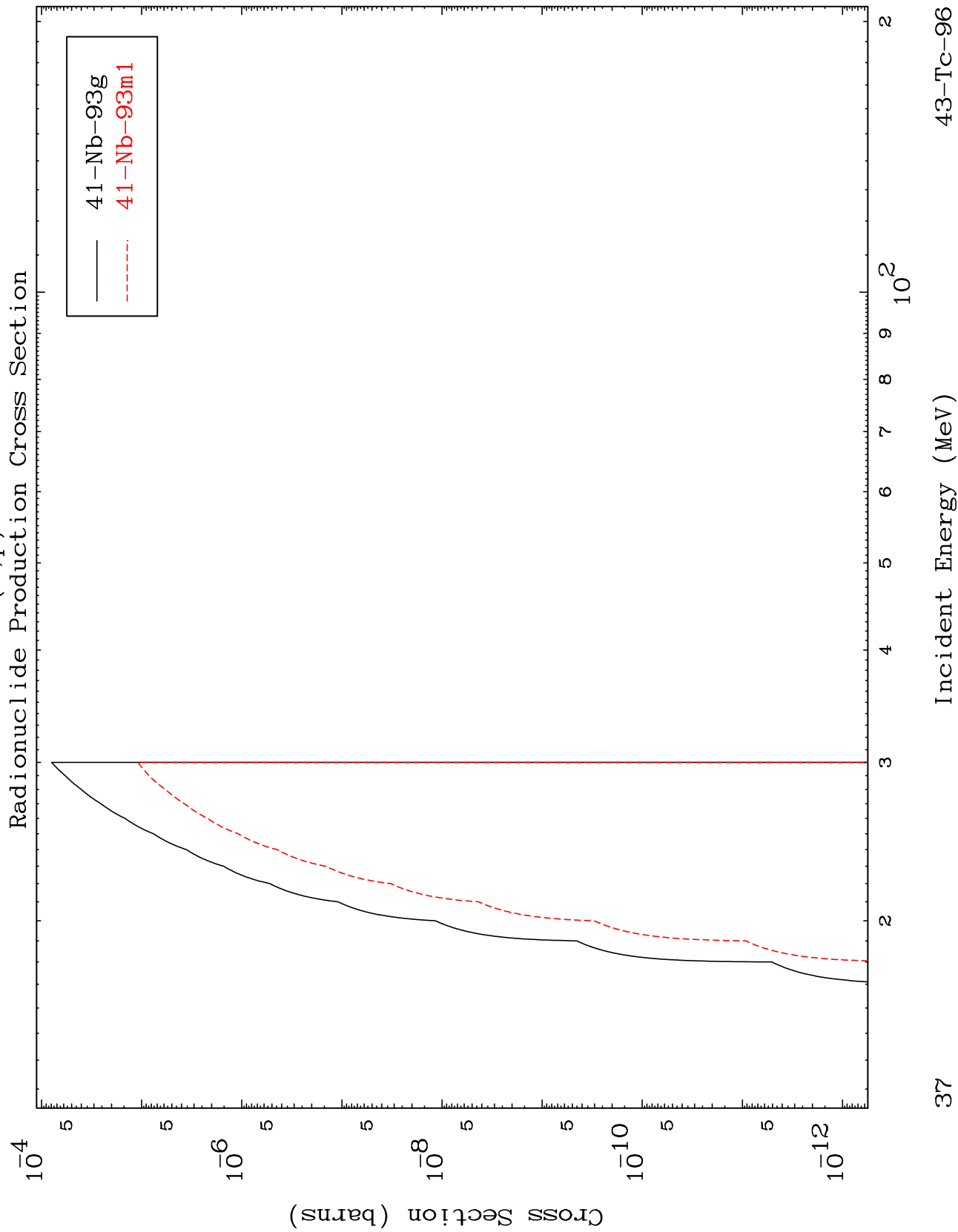
43-Tc-96



MAT 4317

(n,p) t

43-Tc-96



37

43-Tc-96