

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

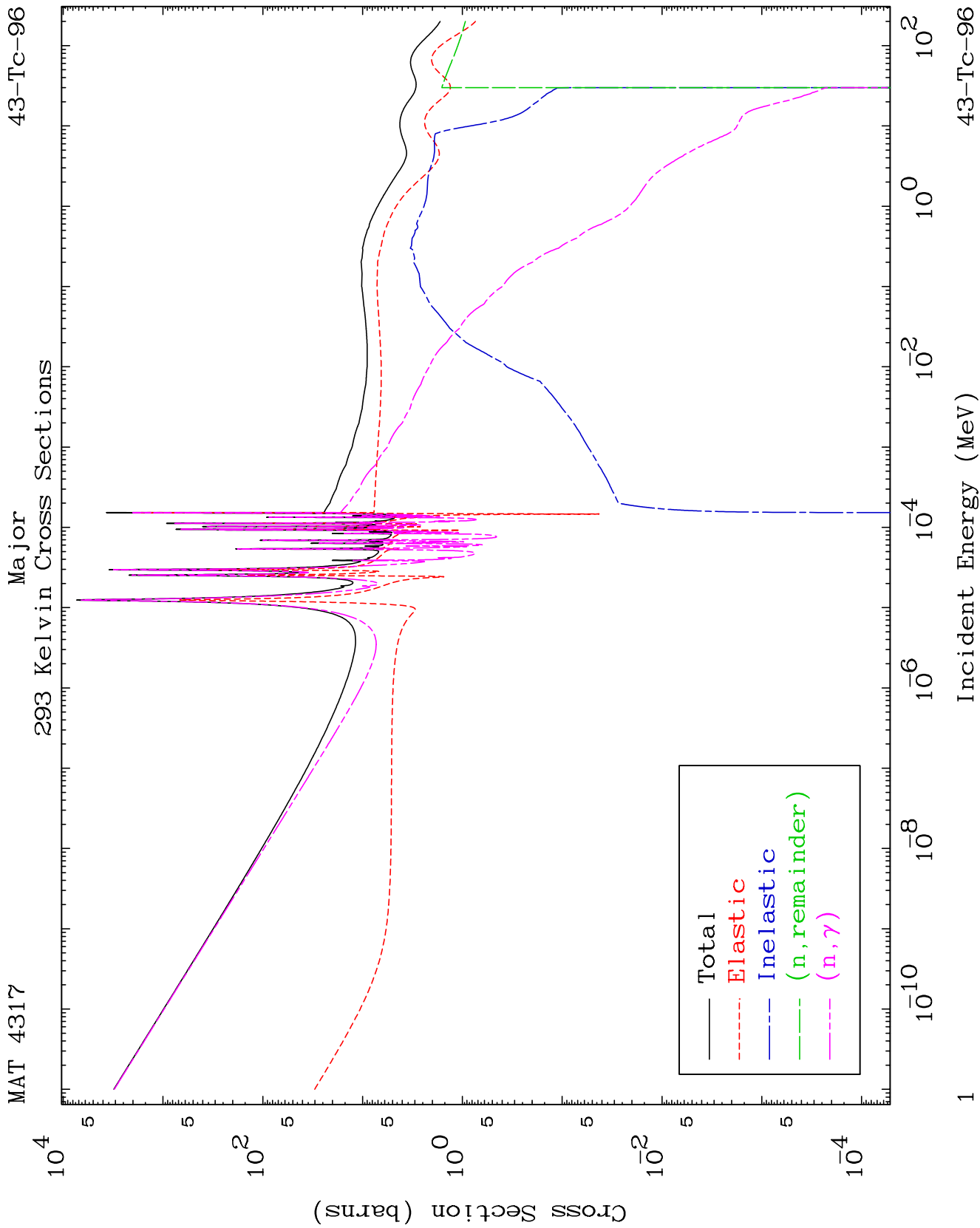
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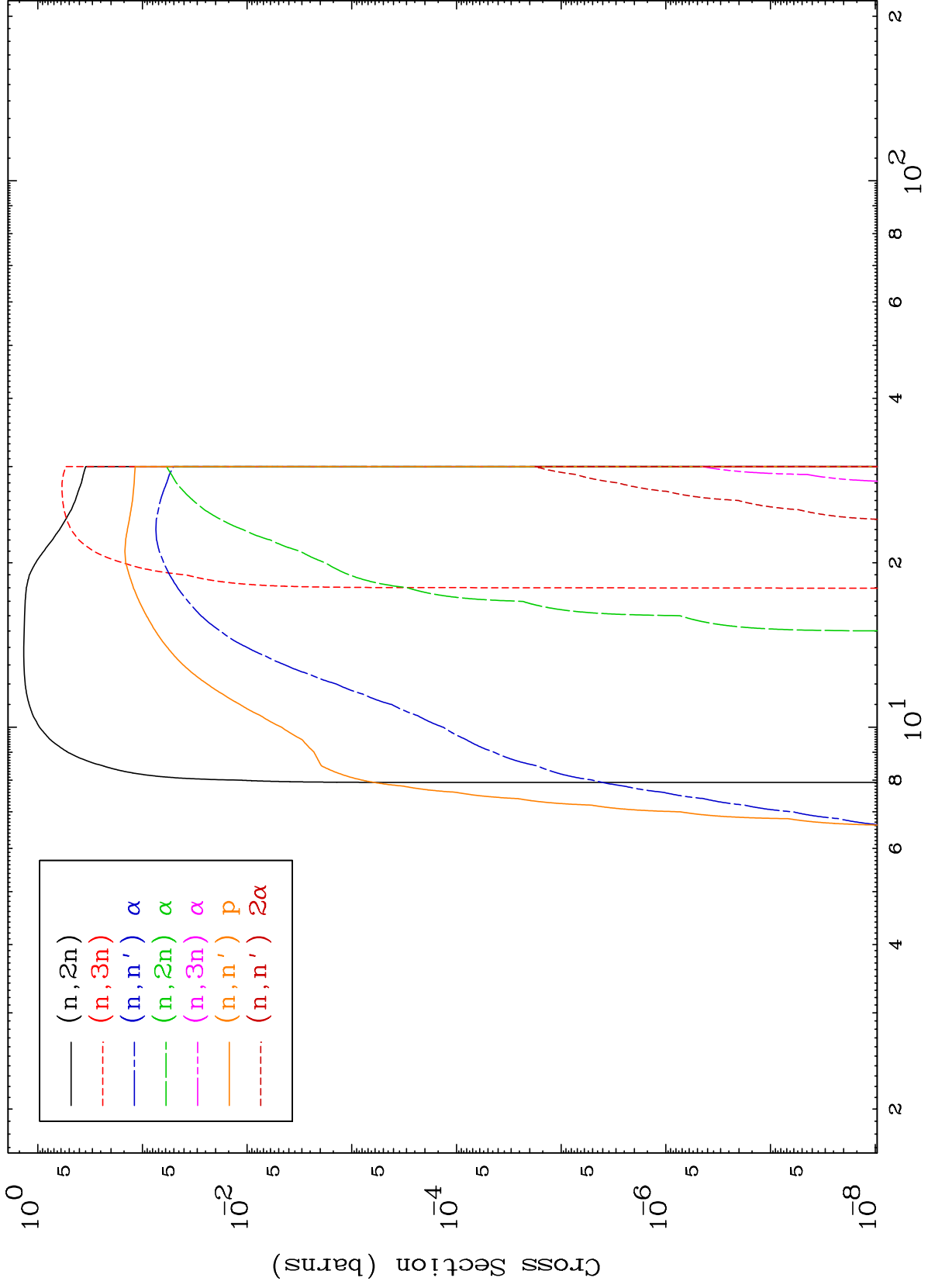
Press Mouse Button to Start



MAT 4317

Neutron Production  
293 Kelvin Cross Sections

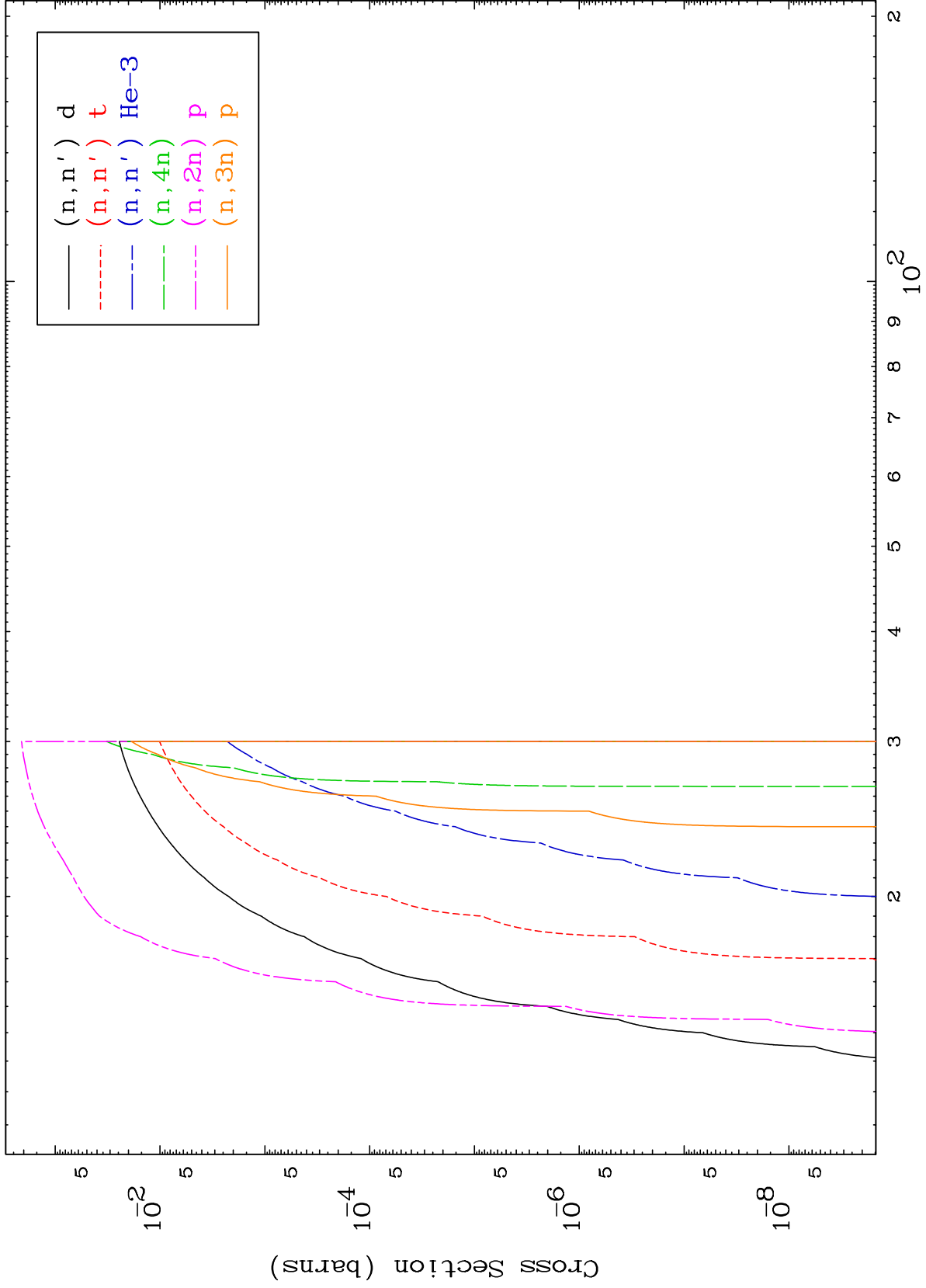
43-Tc-96

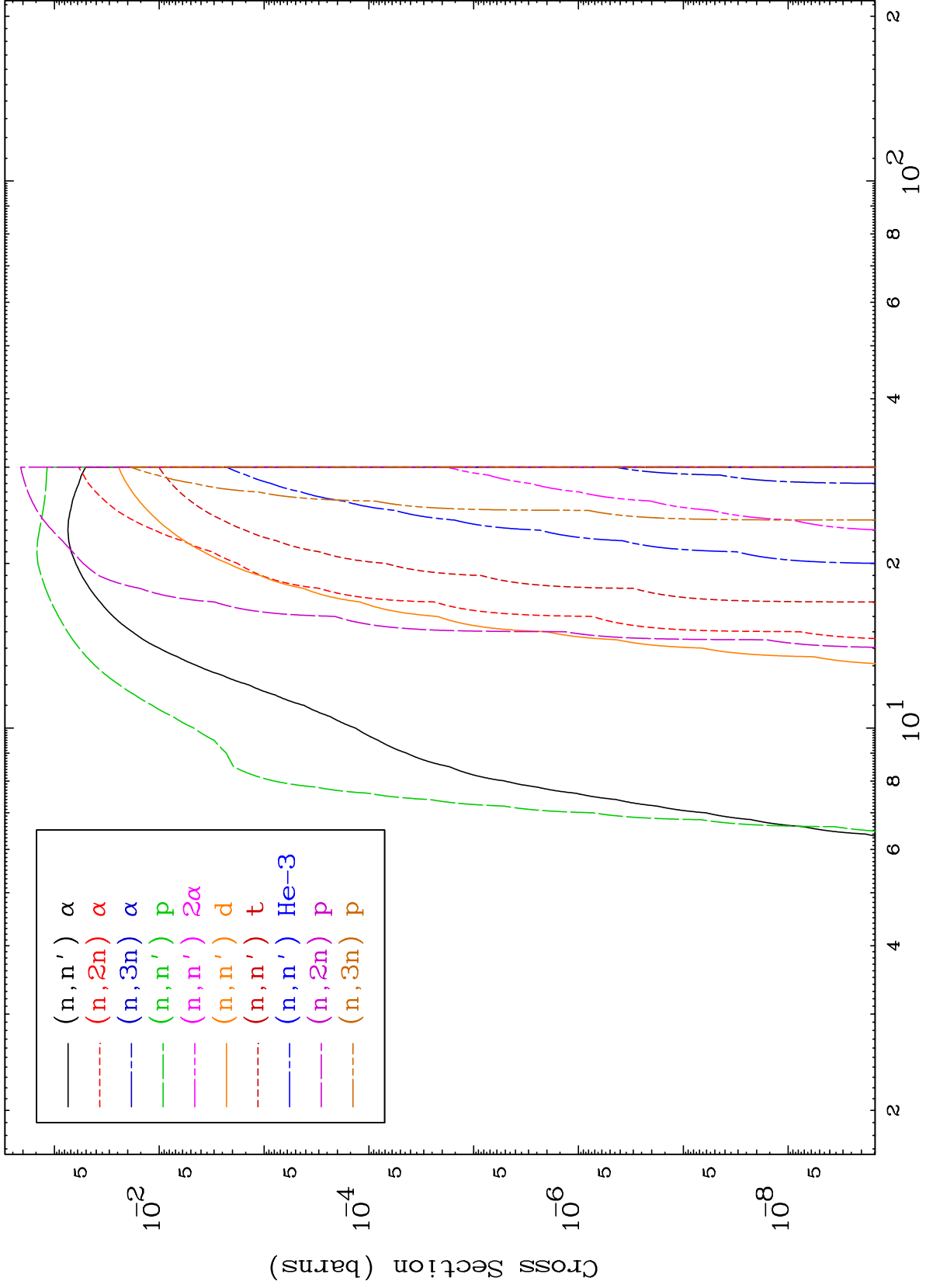


43-Tc-96

Incident Energy (MeV)

2

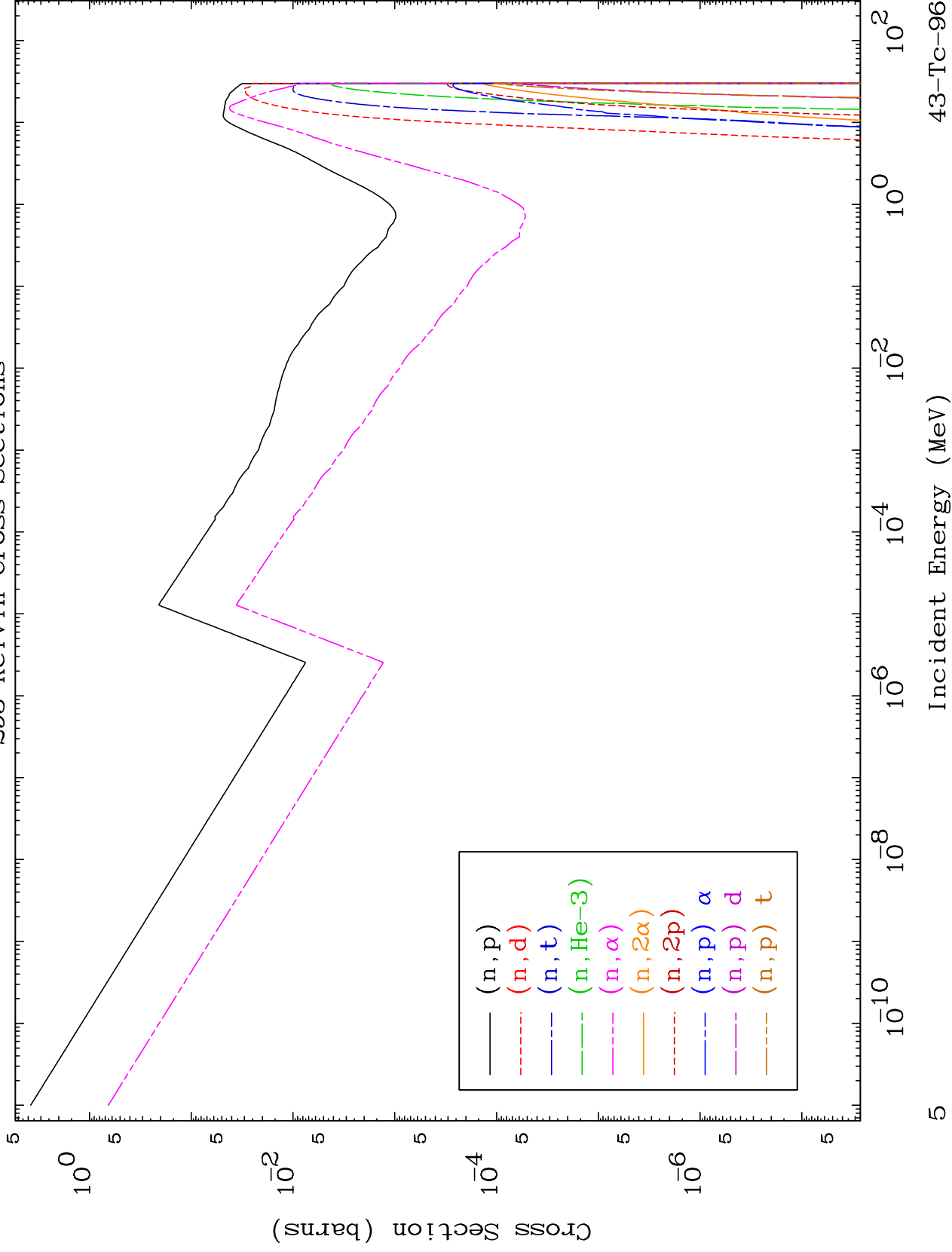




MAT 4317

Charged Particle  
293 Kelvin Cross Sections

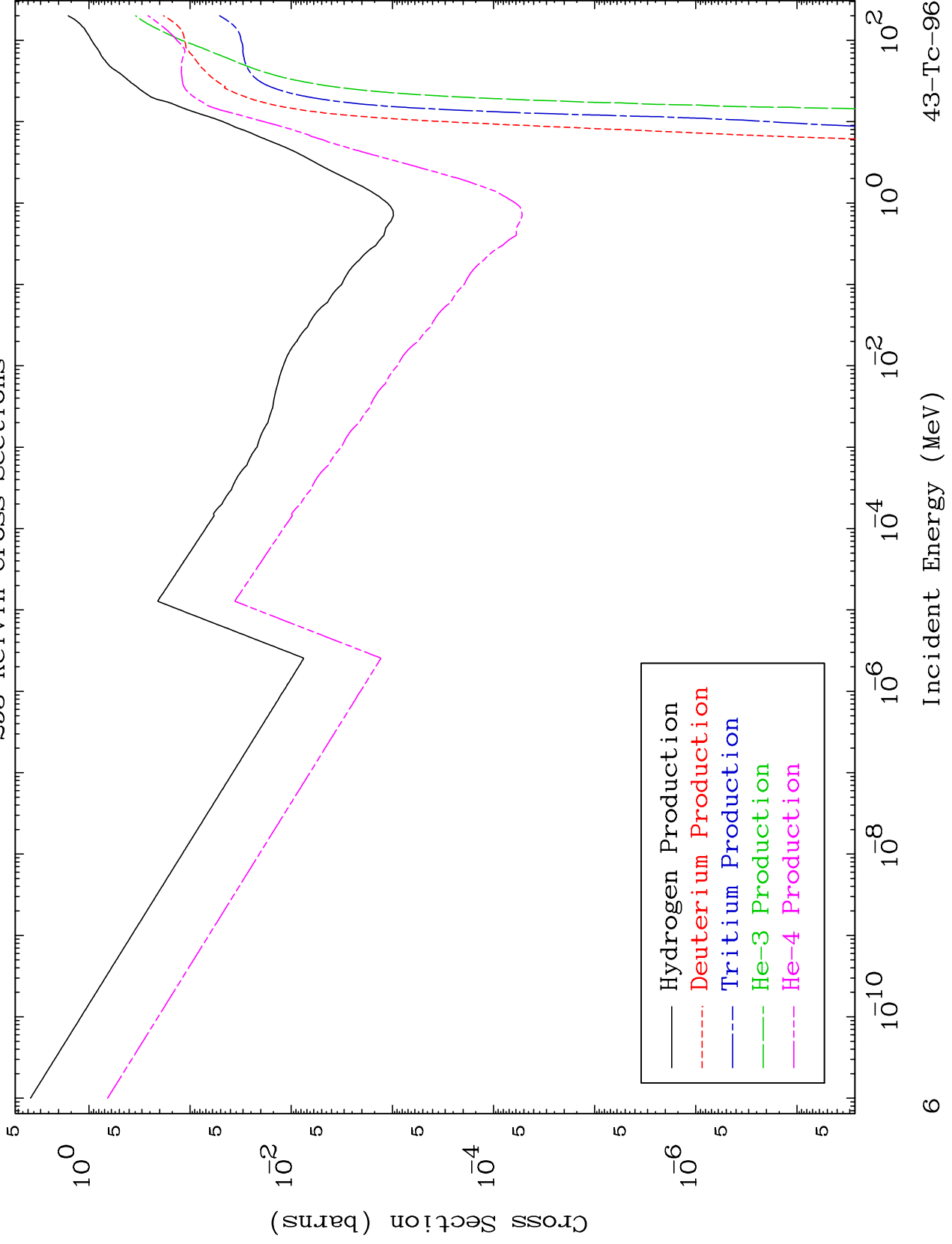
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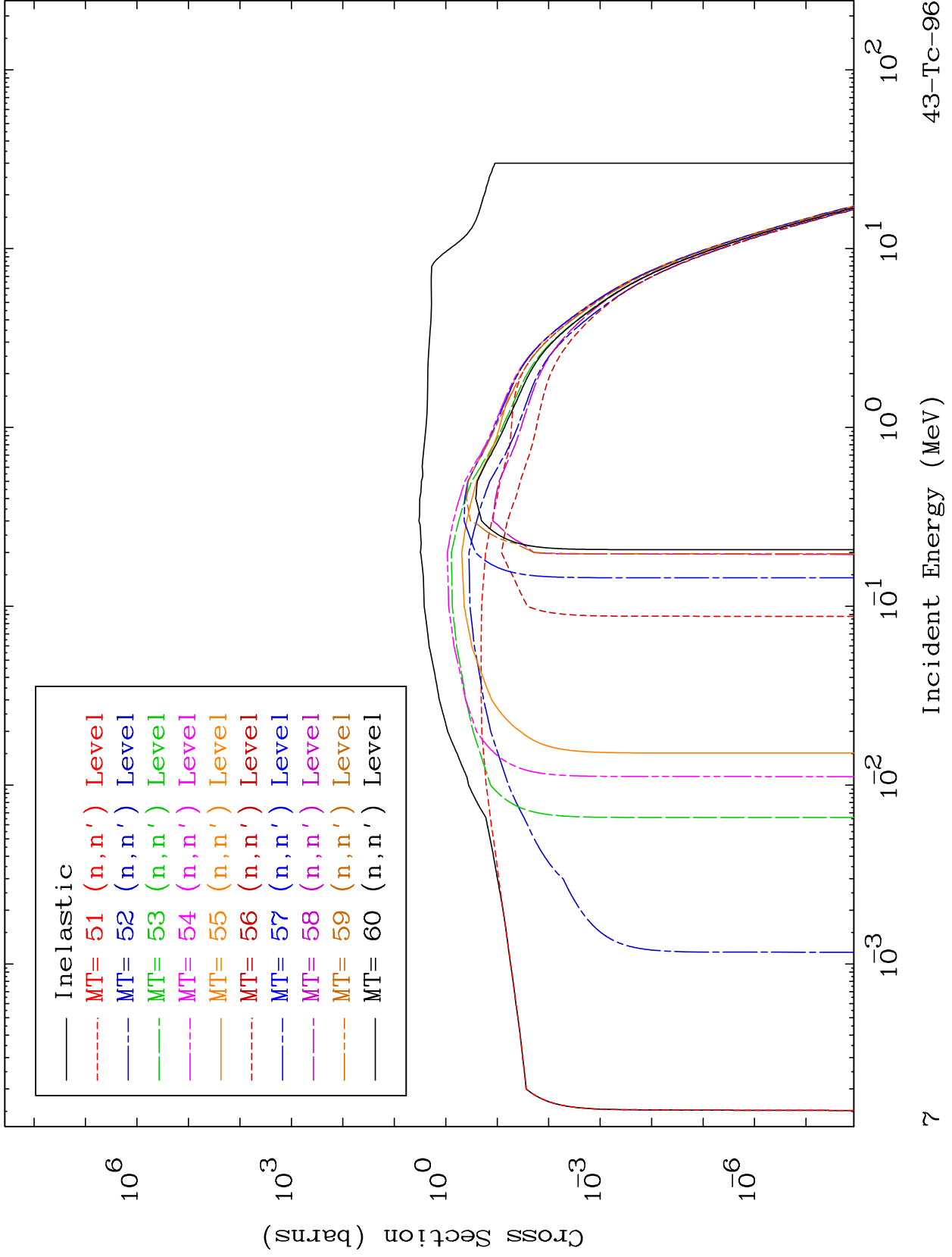


MAT 4317

Particle Production  
293 Kelvin Cross Sections

43-Tc-96





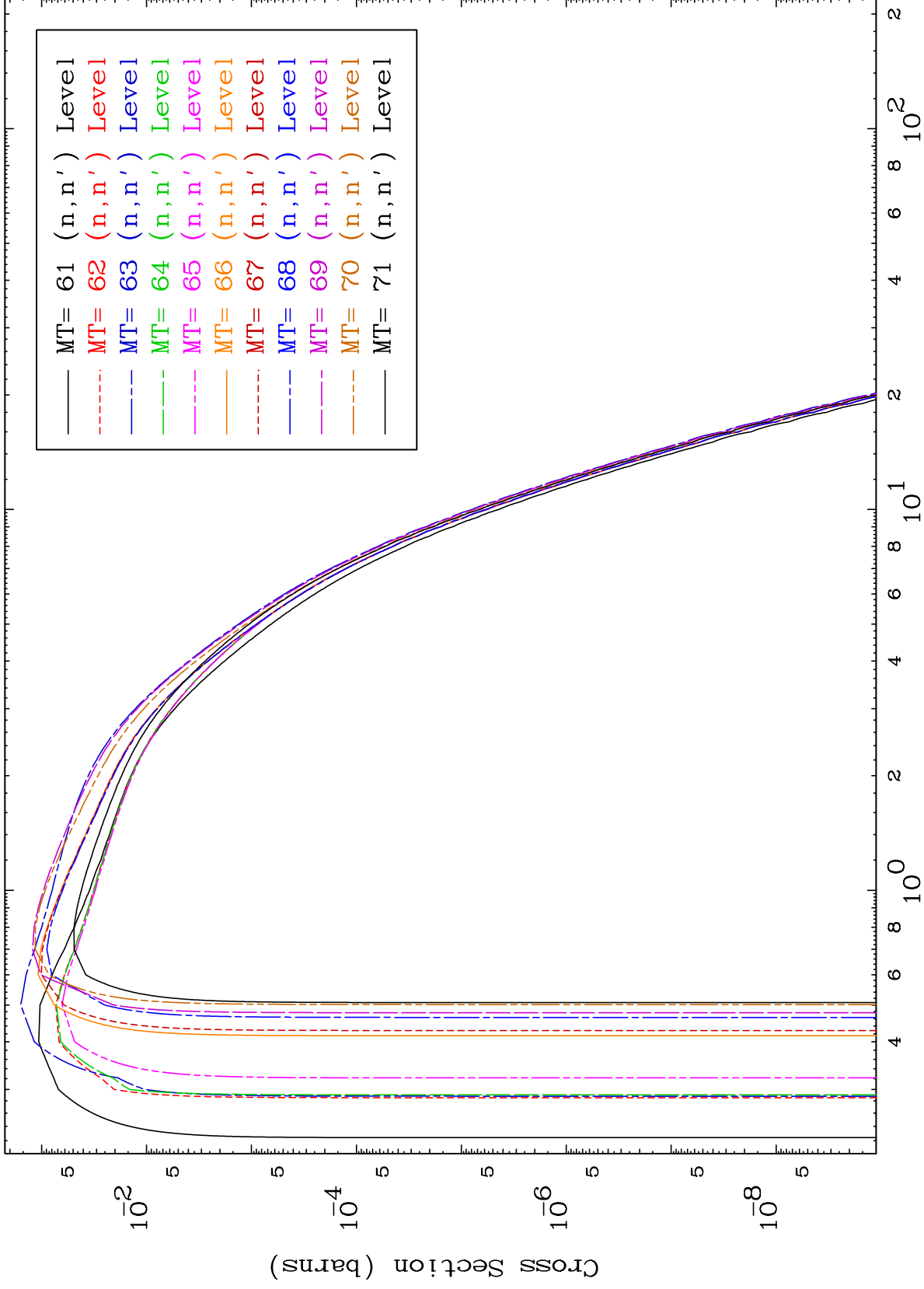


MAT 4317

(n,n') Level

43-Tc-96

293 Kelvin Cross Sections



8

Incident Energy (MeV)

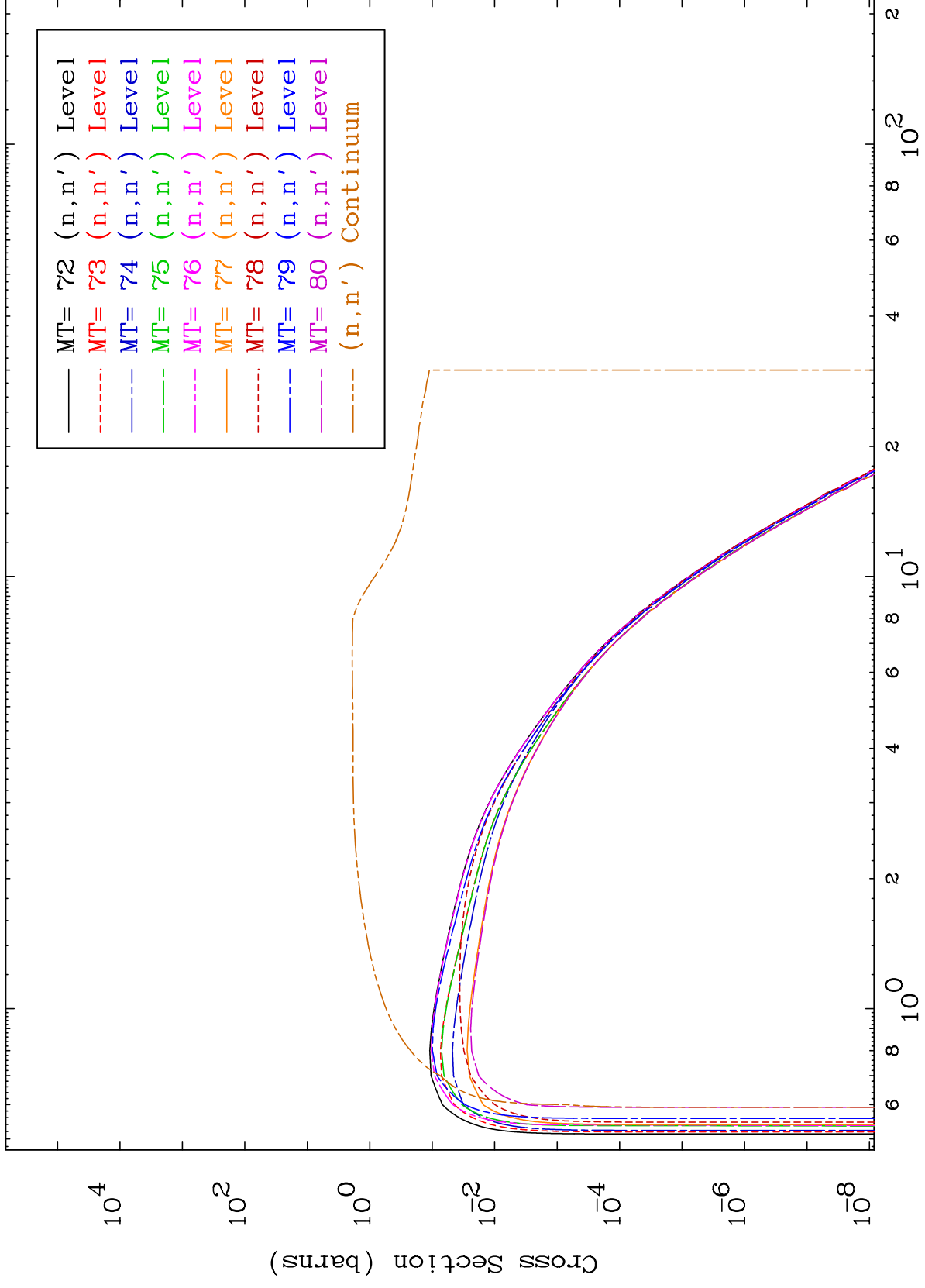
43-Tc-96

MAT 4317

(n,n') Level

43-Tc-96

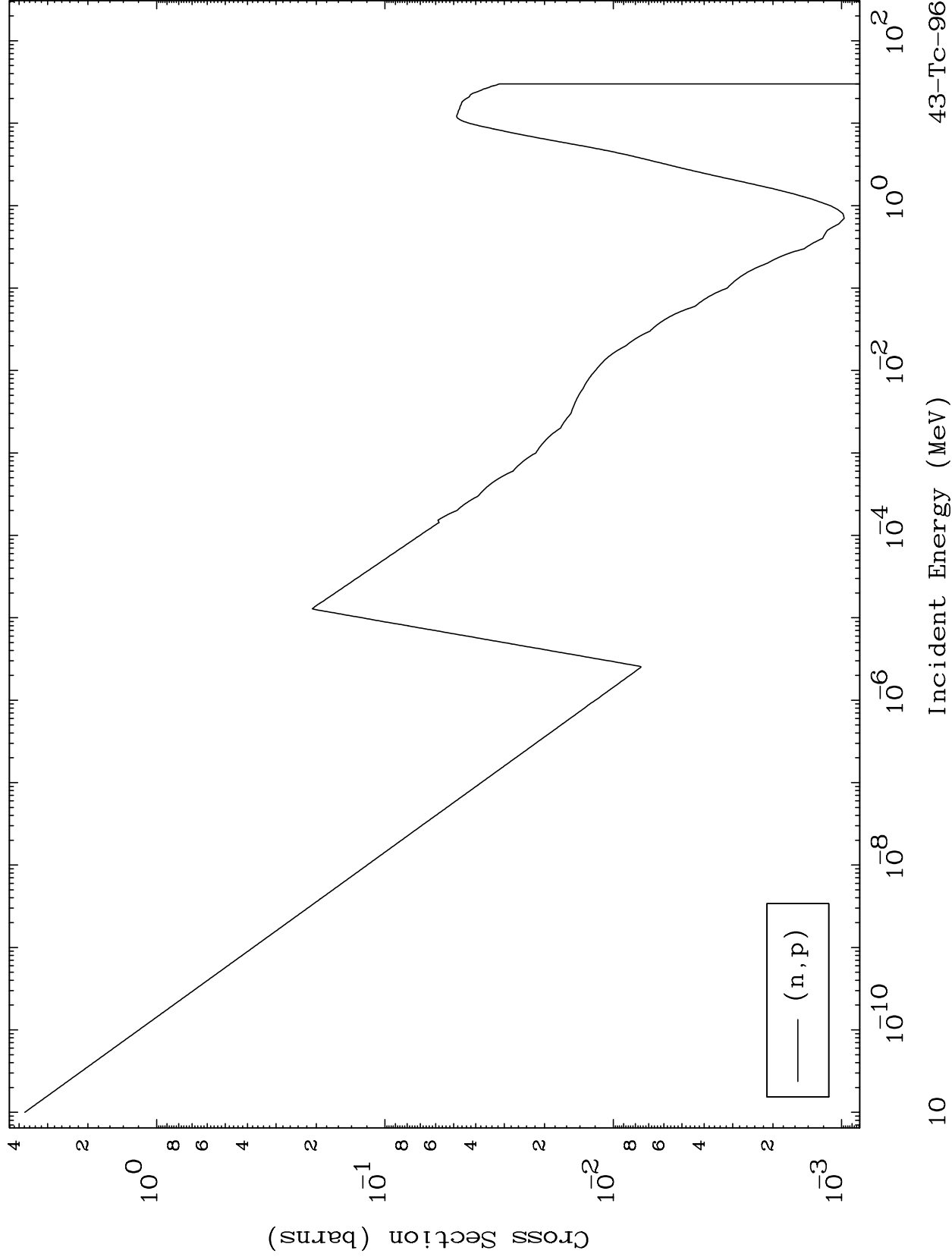
293 Kelvin Cross Sections



MAT 4317

(n,p) Levels  
293 Kelvin Cross Sections

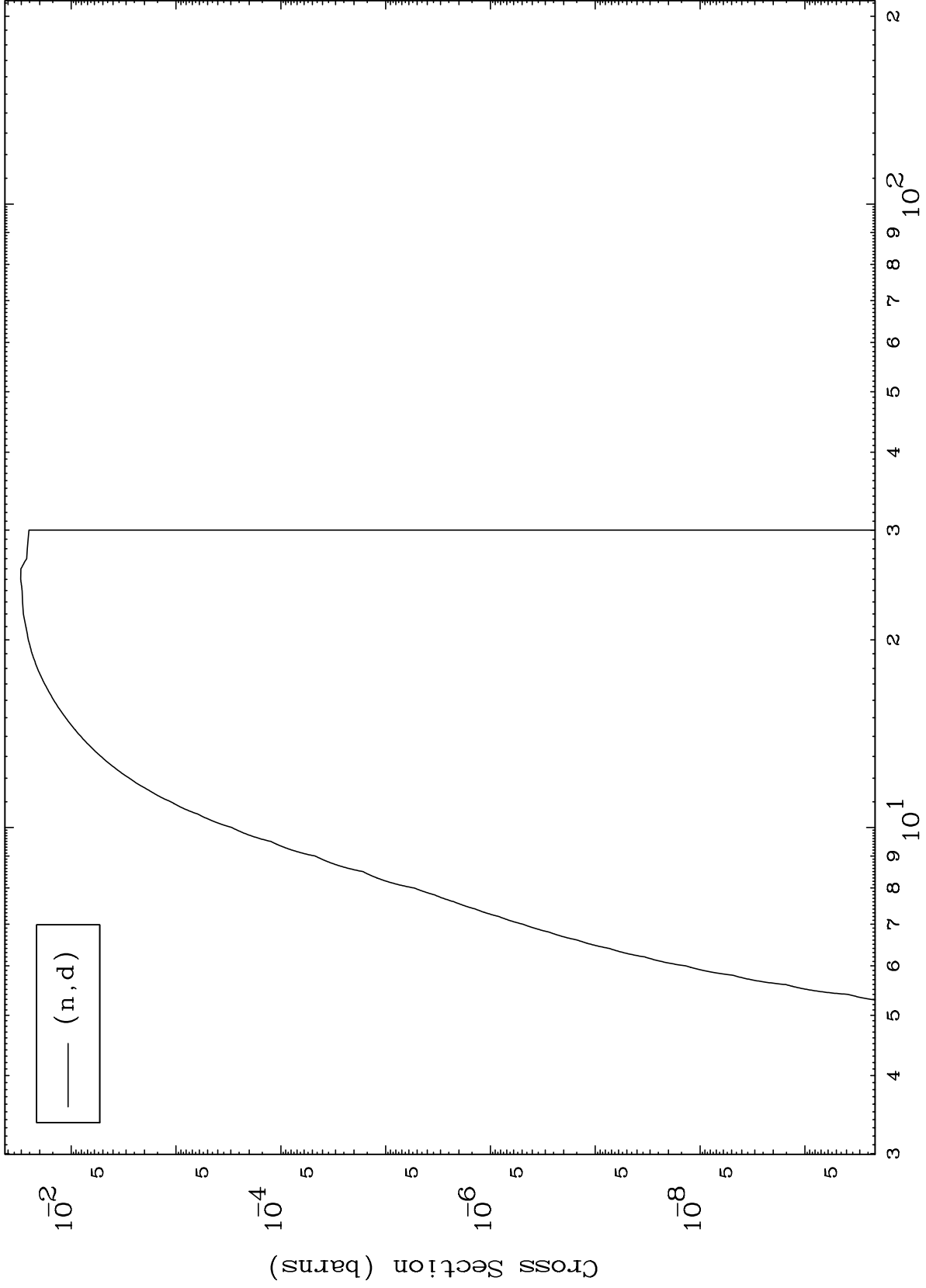
43-Tc-96



MAT 4317

(n,d) Levels  
293 Kelvin Cross Sections

43-Tc-96



11

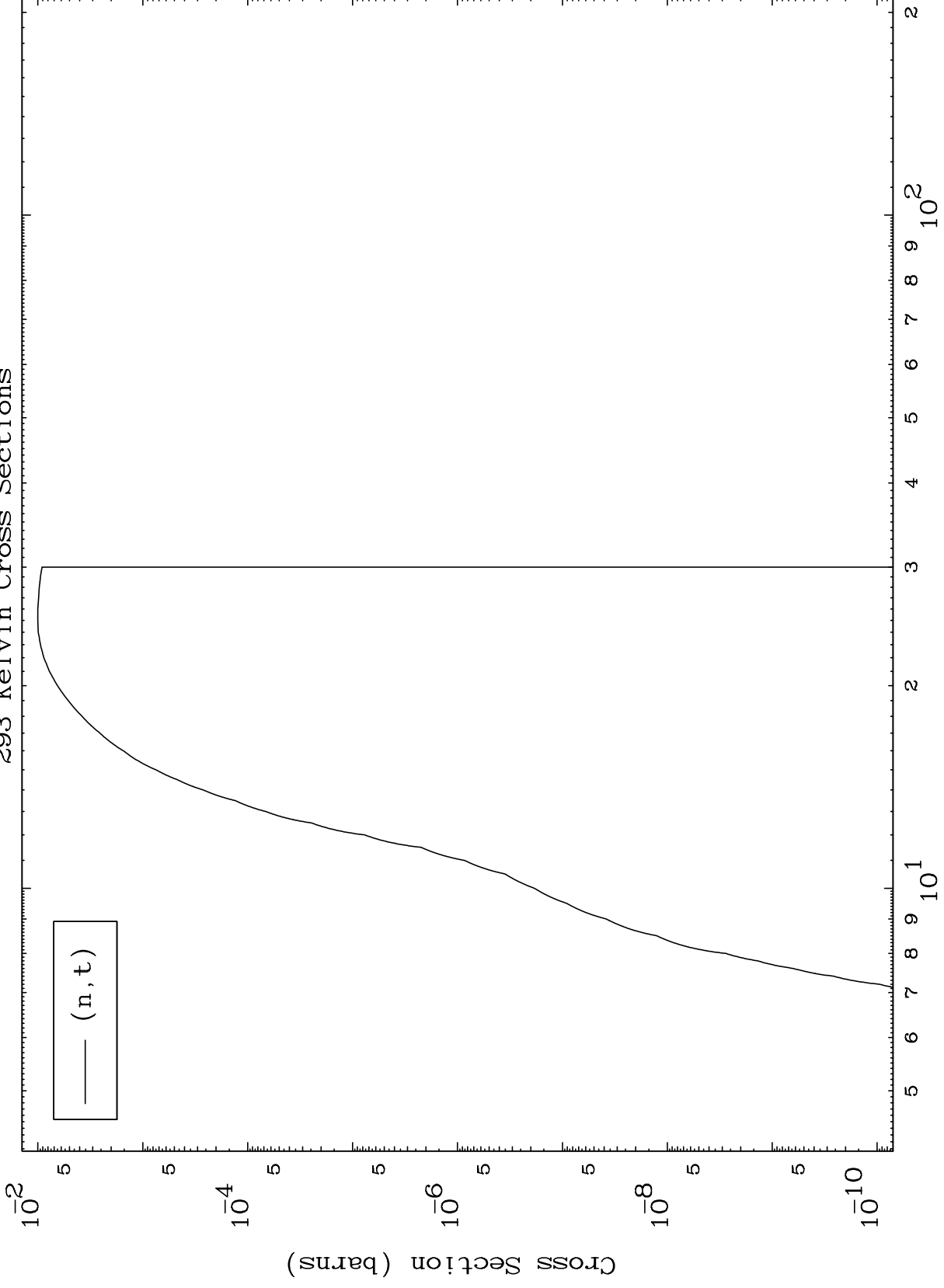
Incident Energy (MeV)

43-Tc-96

MAT 4317

(n,t) Levels  
293 Kelvin Cross Sections

43-Tc-96



12

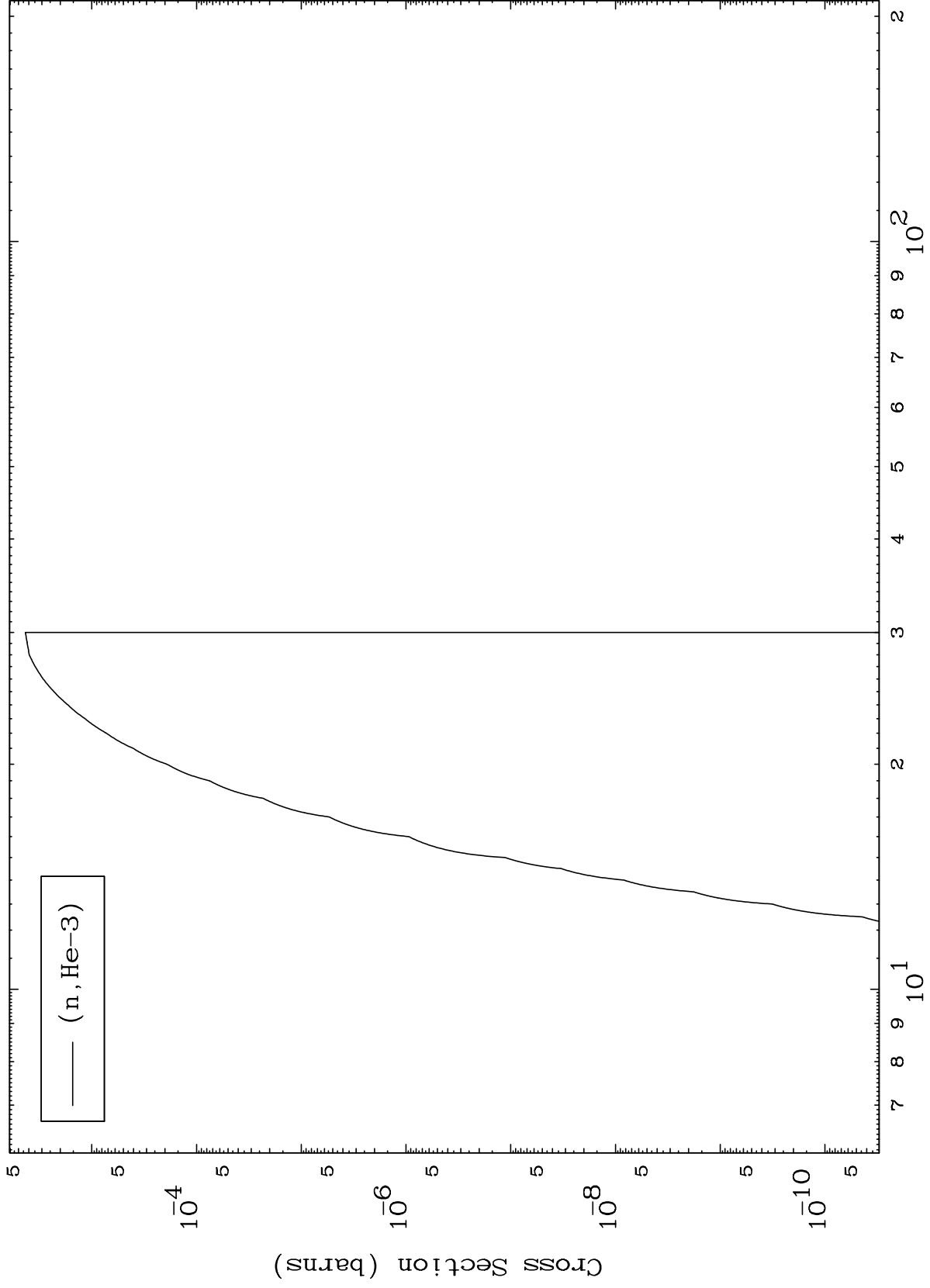
Incident Energy (MeV)

43-Tc-96

MAT 4317

(n,He3) Levels  
293 Kelvin Cross Sections

43-Tc-96



13

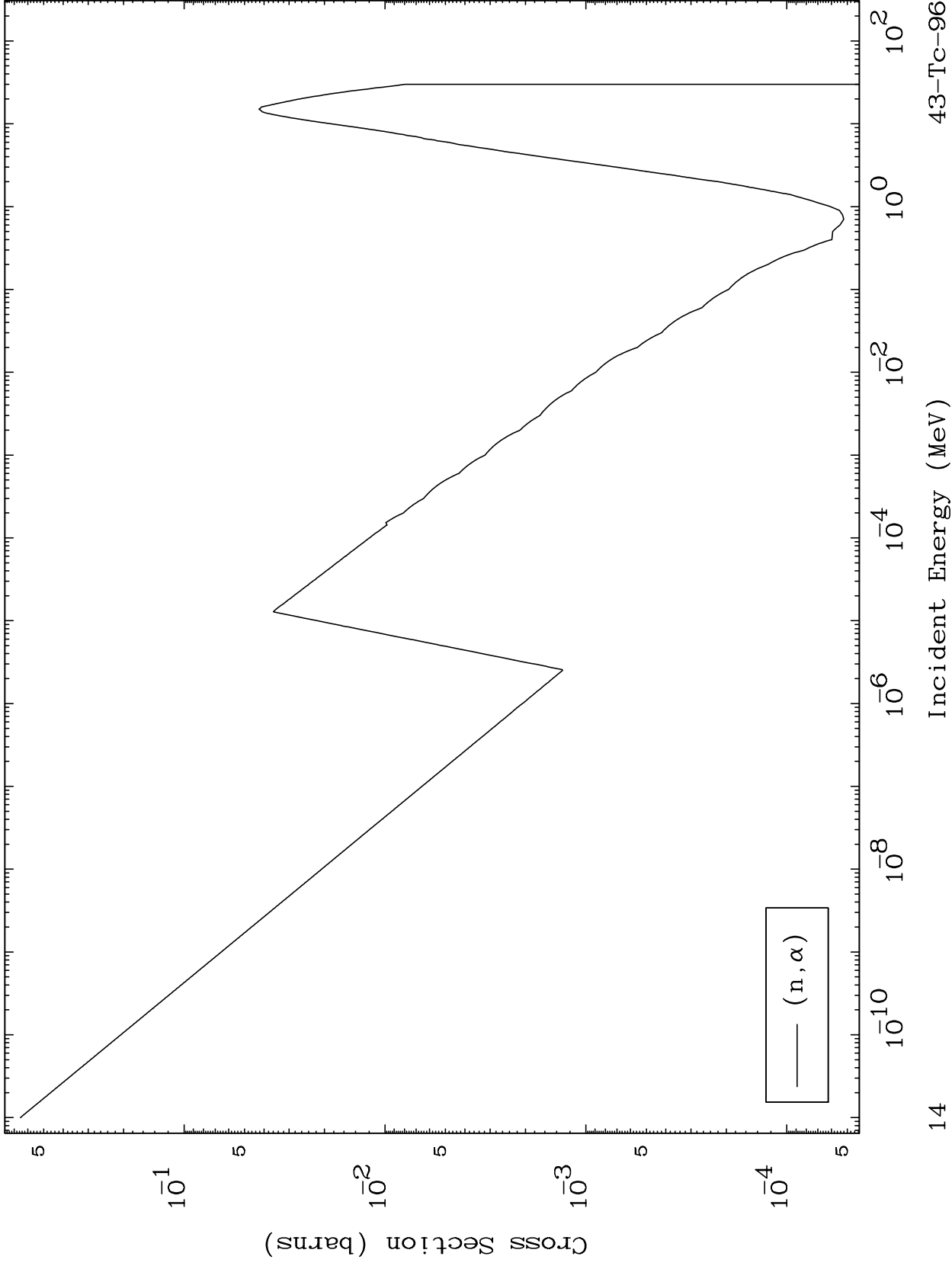
Incident Energy (MeV)

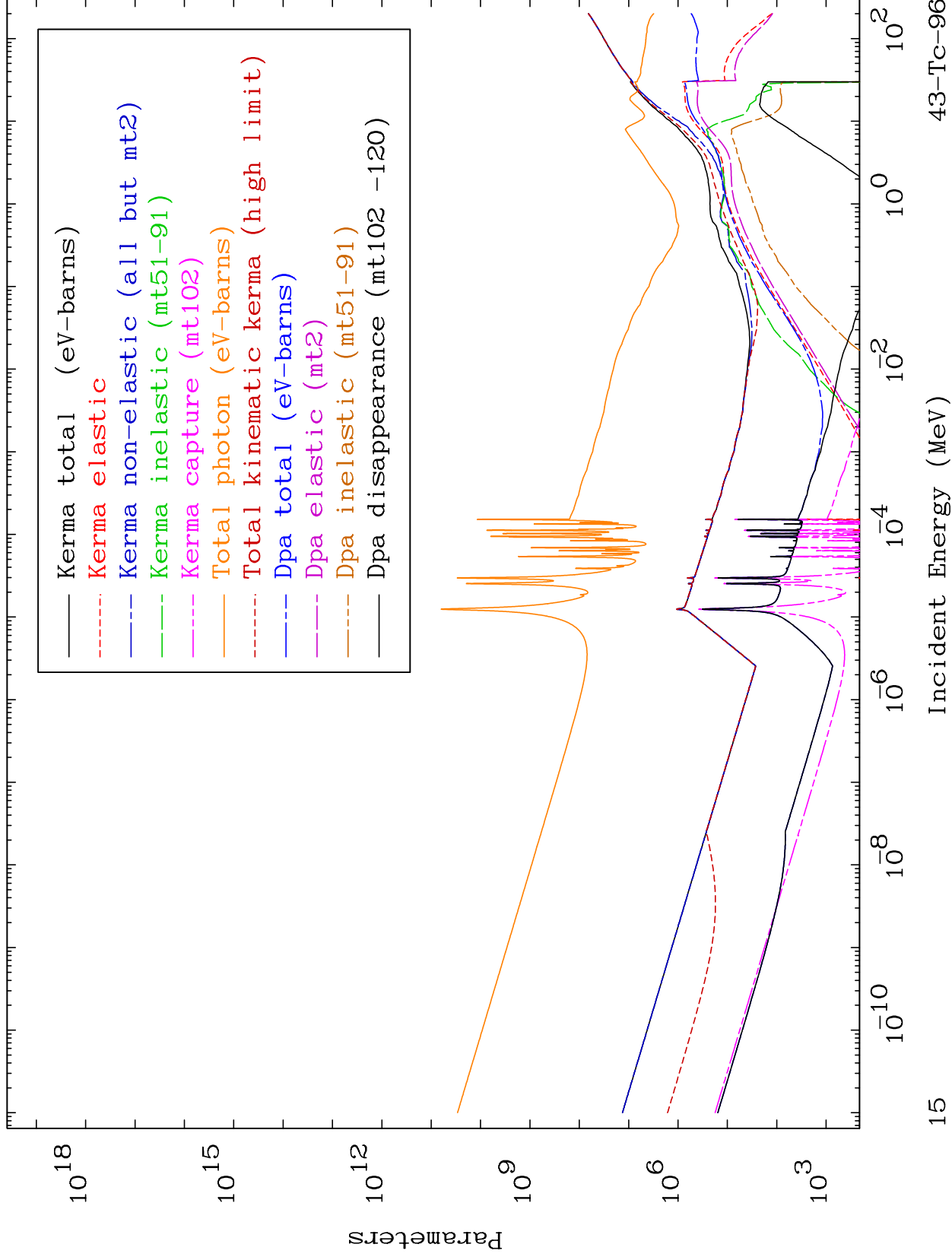
43-Tc-96

MAT 4317

(n,α) Levels  
293 Kelvin Cross Sections

43-Tc-96



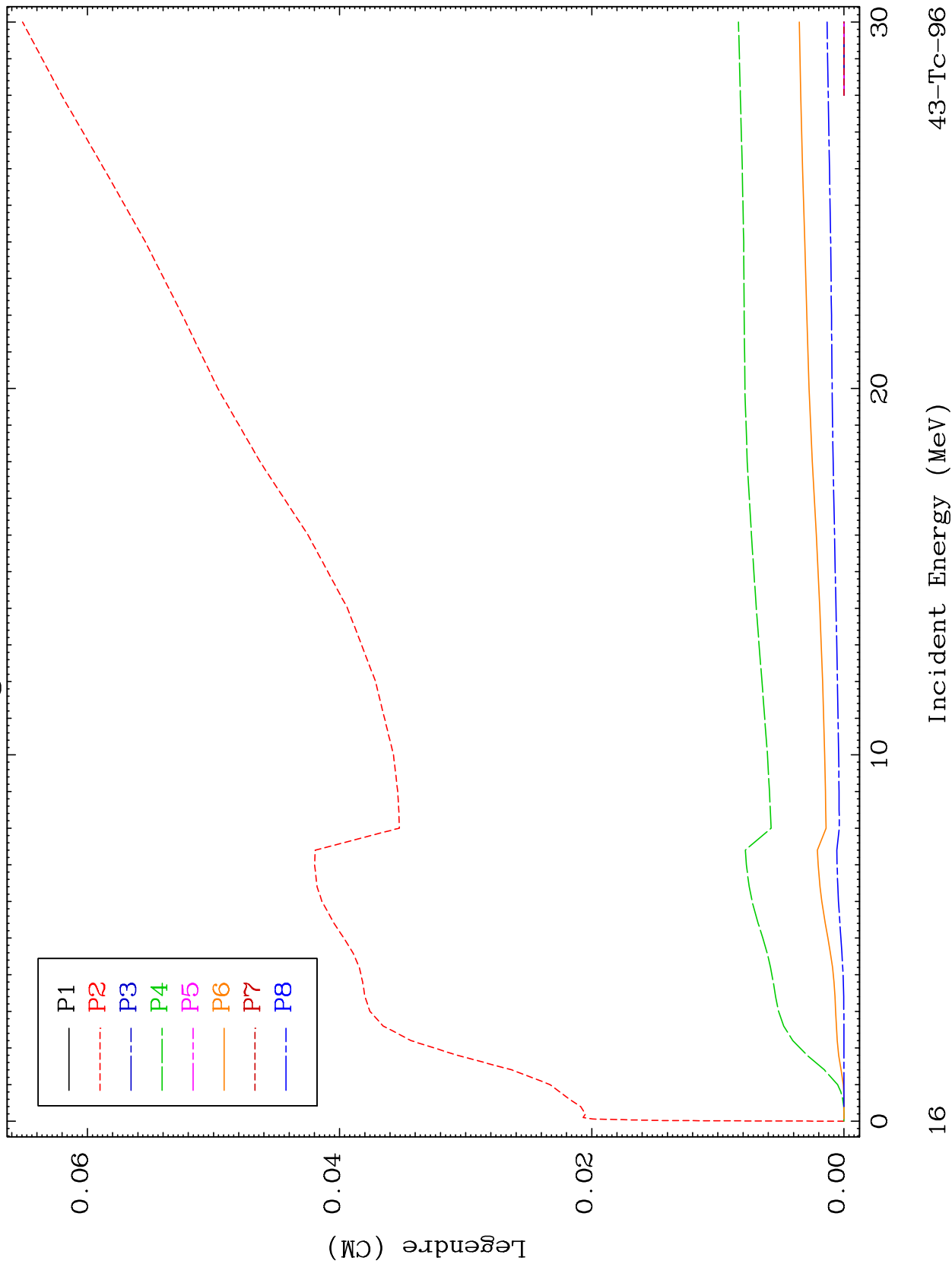




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### Elastic Legendre Coefficients

43-Tc-96

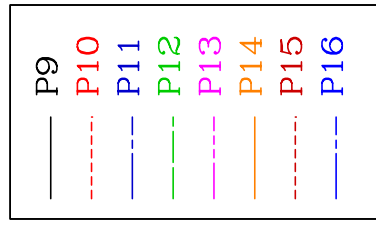


- P1
- P2
- P3
- P4
- P5
- P6
- P7
- P8

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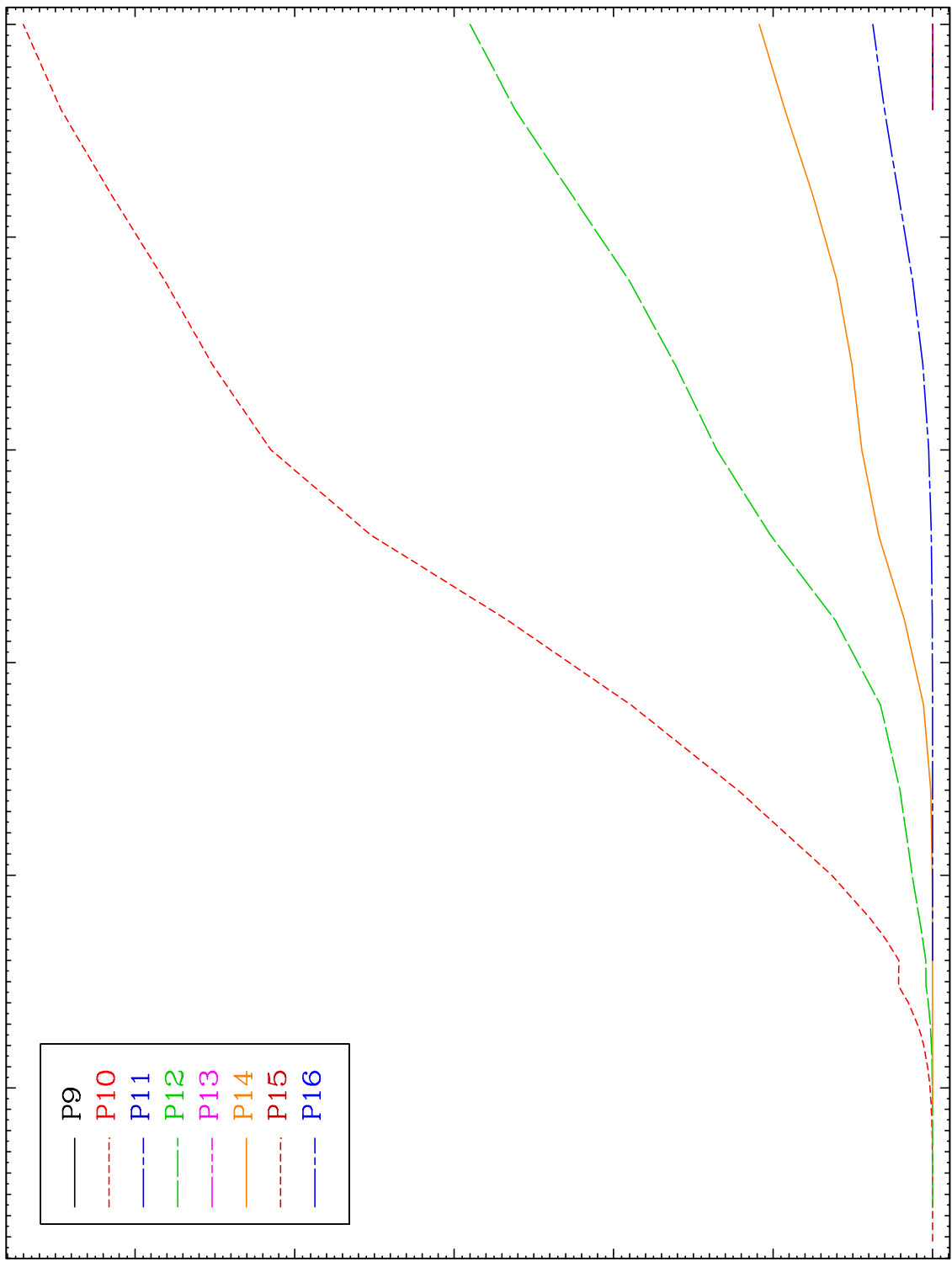
Elastic Legendre Coefficients

43-Tc-96



$\times 10^{-4}$

Legendre (CM)



17

Incident Energy (MeV)

43-Tc-96

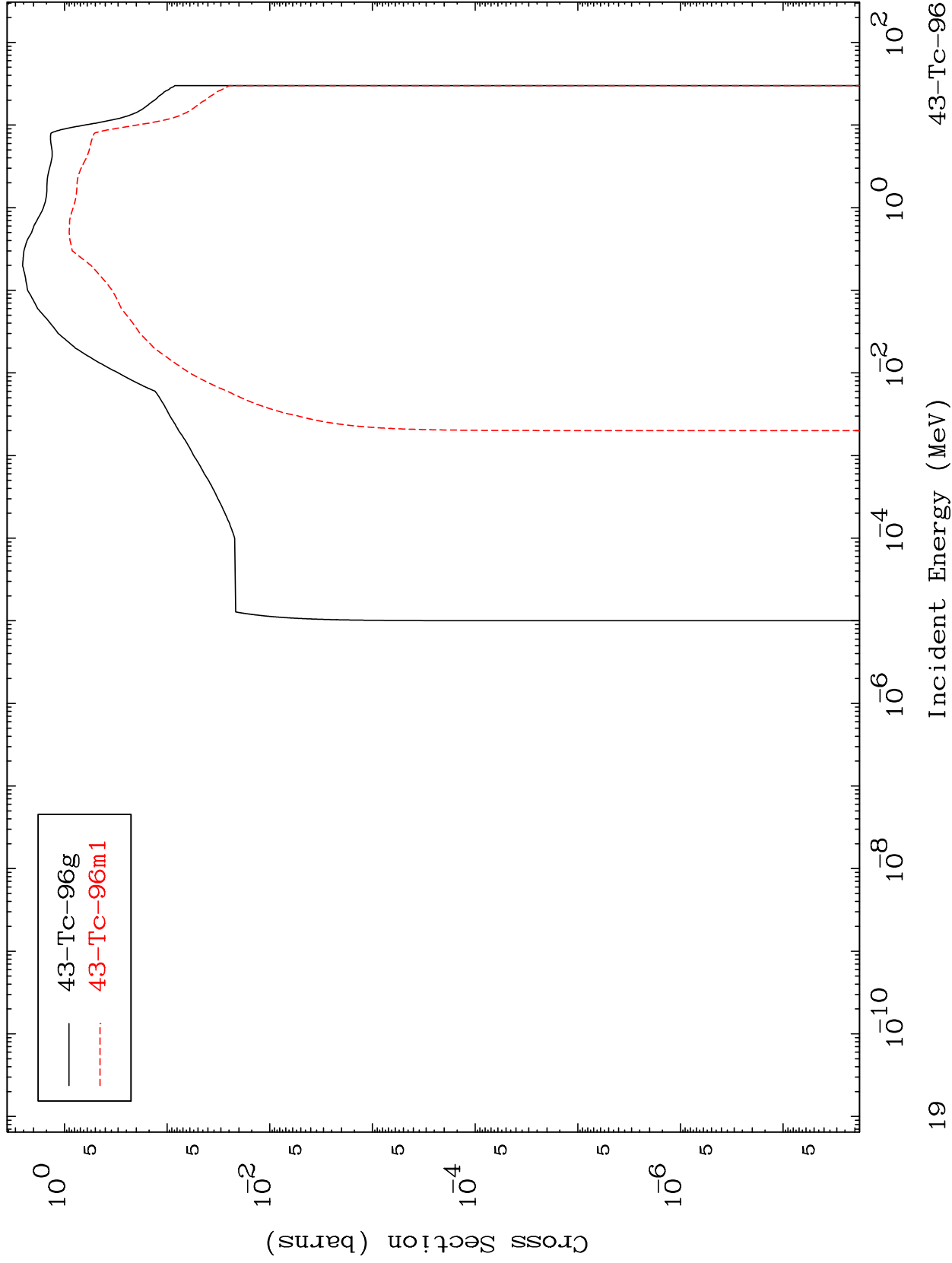


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Inelastic

43-Tc-96

Radionuclide Production Cross Section

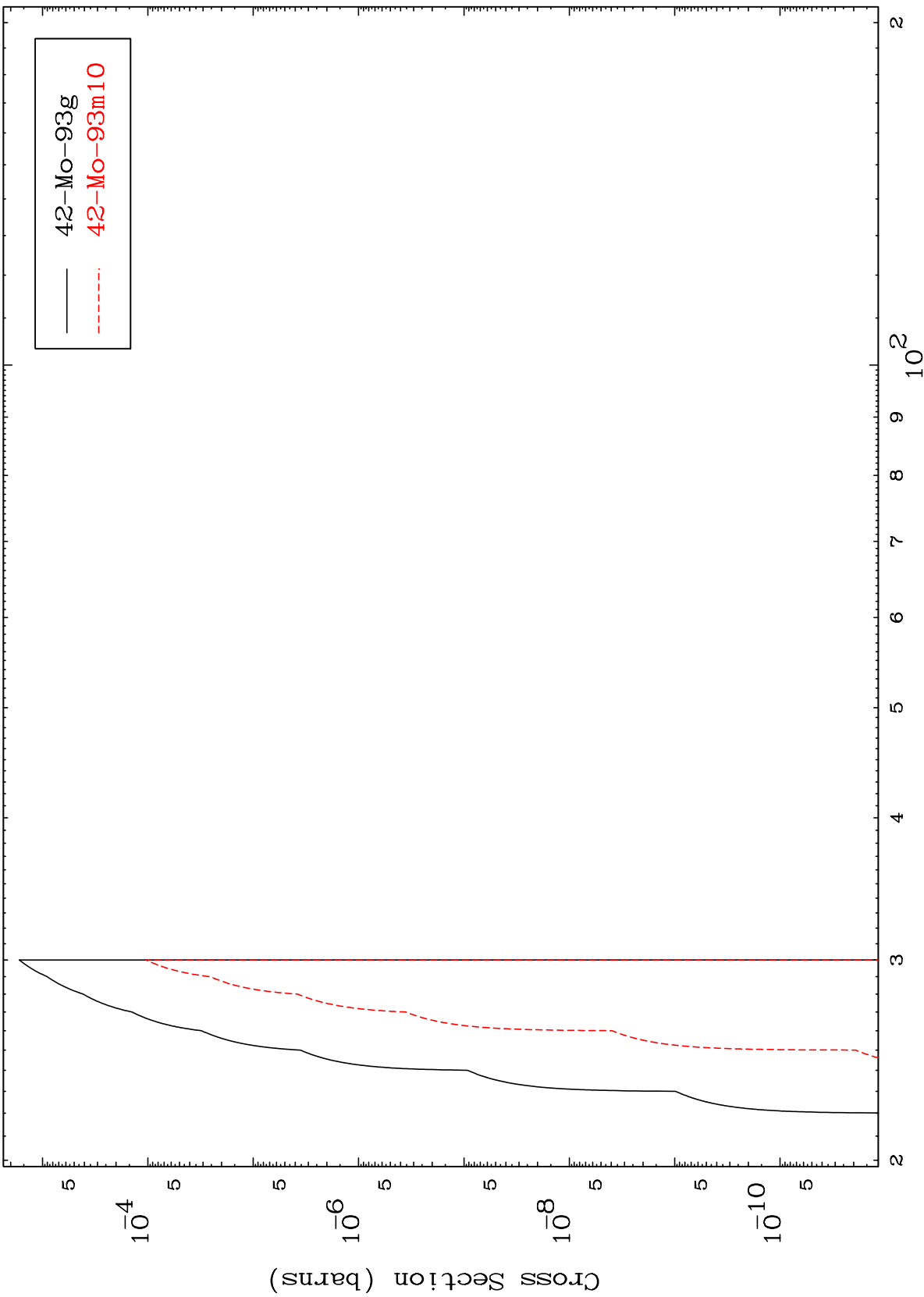


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(n,2n) d

43-Tc-96

Radionuclide Production Cross Section



20

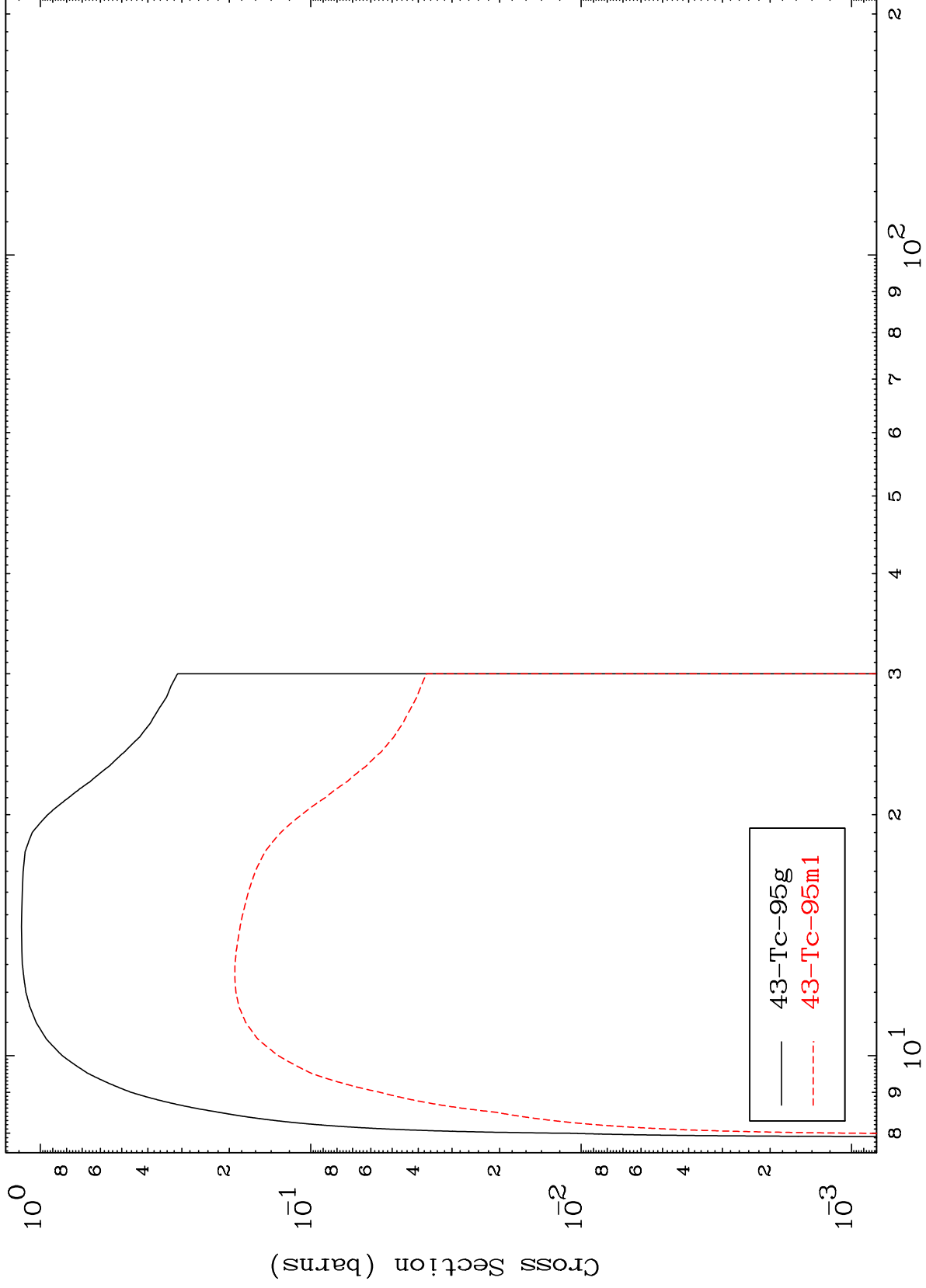
Incident Energy (MeV)

43-Tc-96

MAT 4317

43-Tc-96

Radionuclide Production Cross Section  
(n,2n)



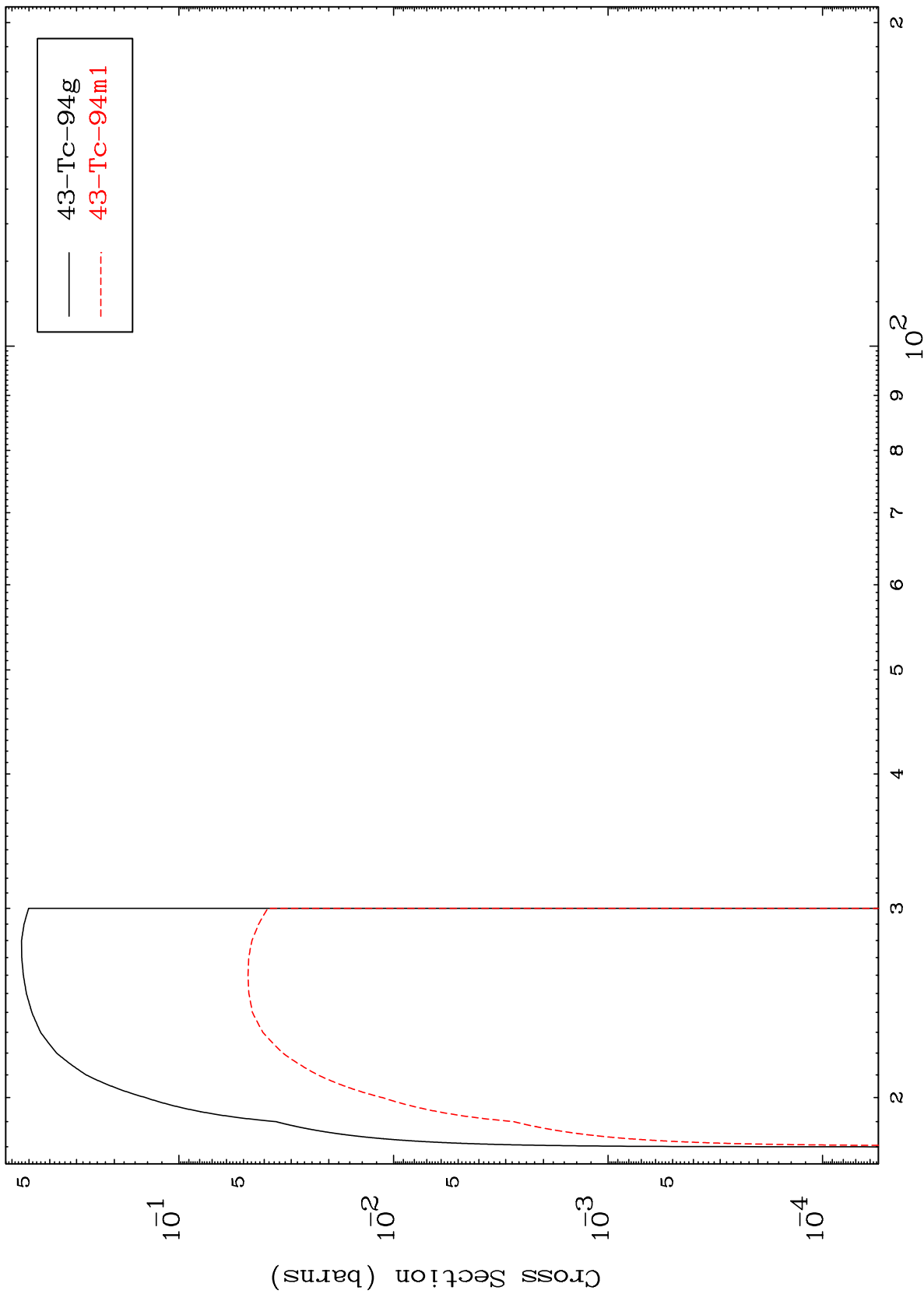
43-Tc-96

Incident Energy (MeV)

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43-Tc-96

(n,3n)  
Radionuclide Production Cross Section



22

Incident Energy (MeV)

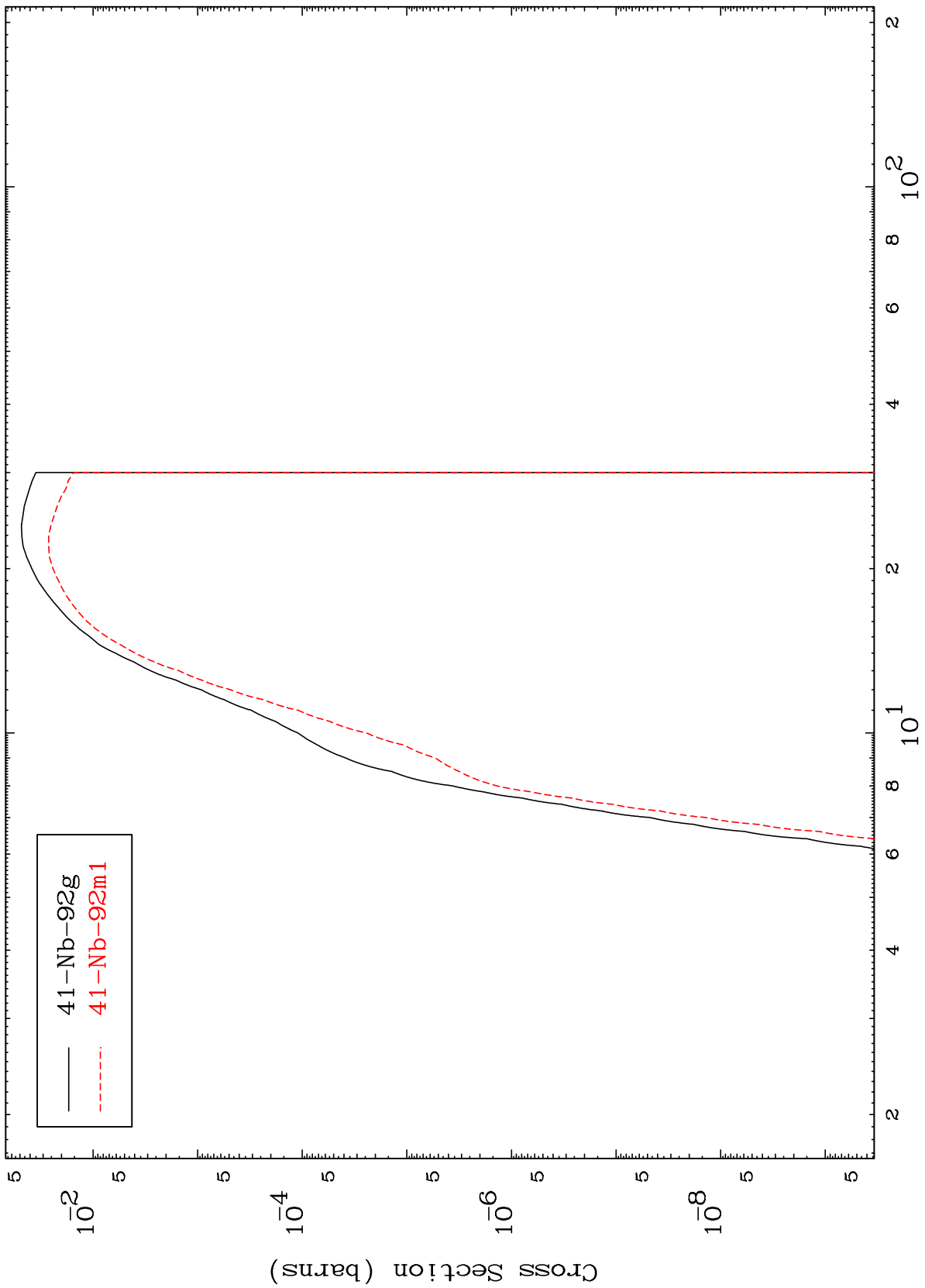
43-Tc-96

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43-Tc-96

(n,n')  $\alpha$

Radionuclide Production Cross Section



23

Incident Energy (MeV)

43-Tc-96

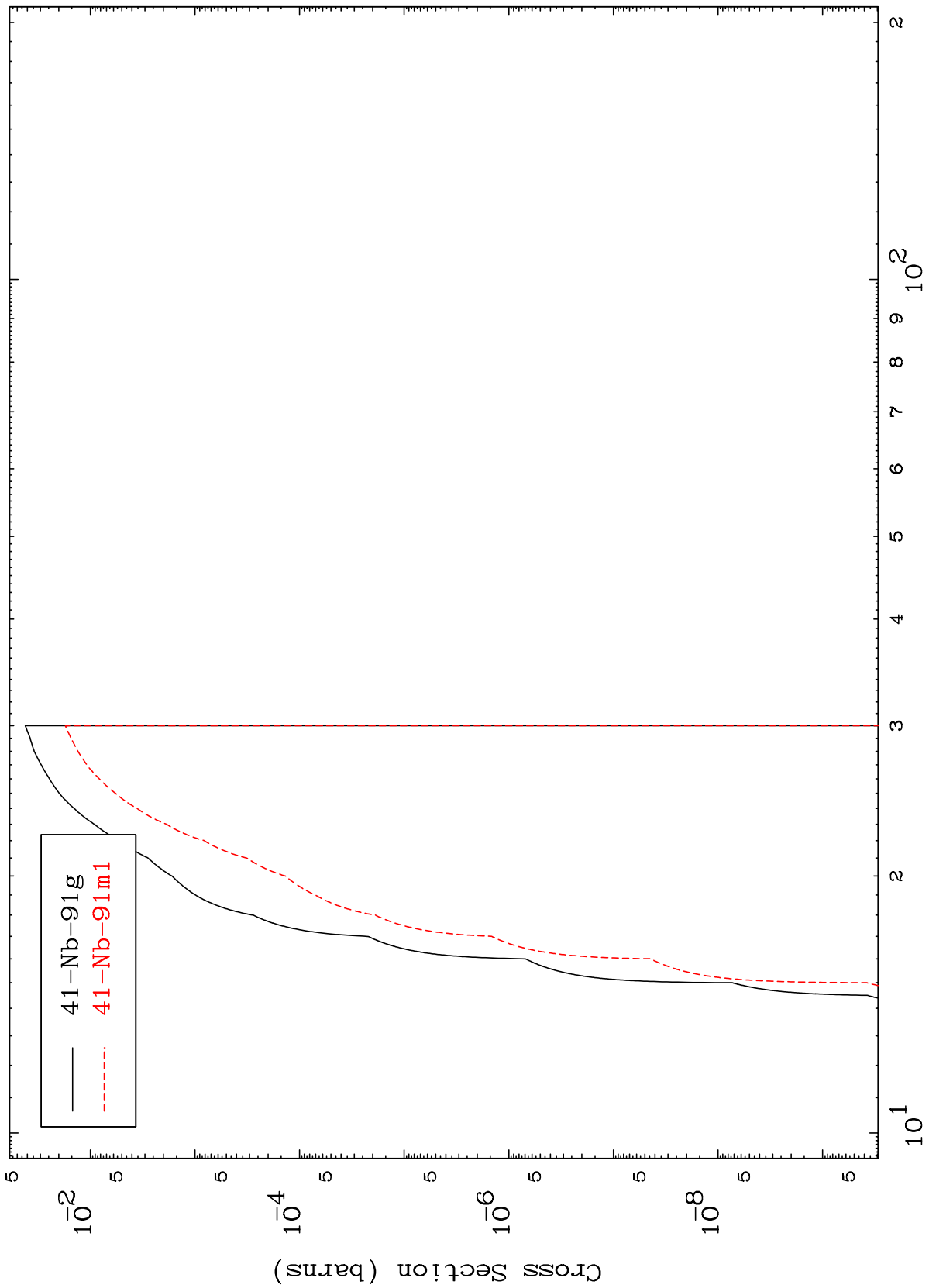


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(n,2n)  $\alpha$

43-Tc-96

Radionuclide Production Cross Section



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

Incident Energy (MeV)

43-Tc-96

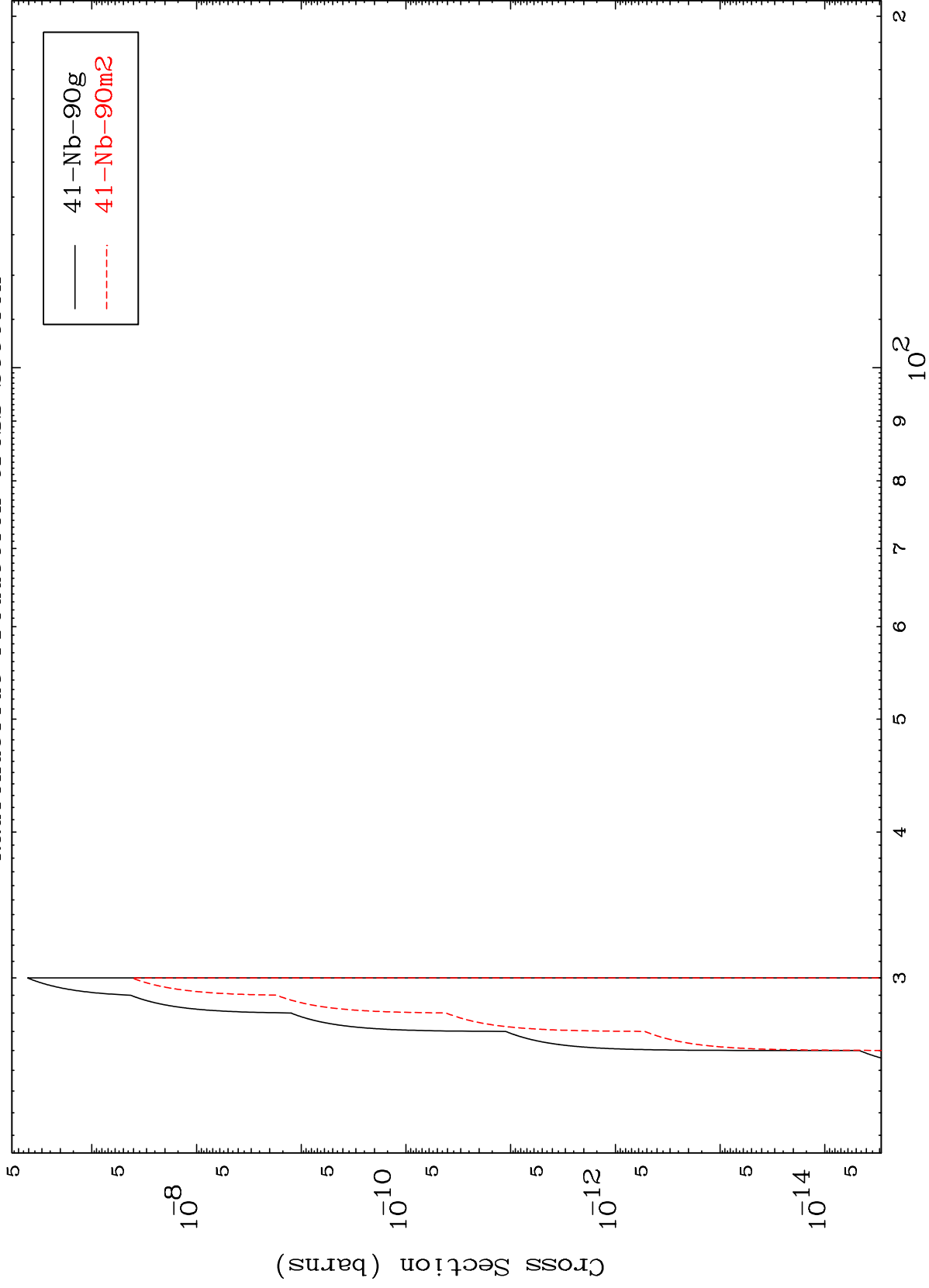
24

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(n,3n)  $\alpha$

43-Tc-96

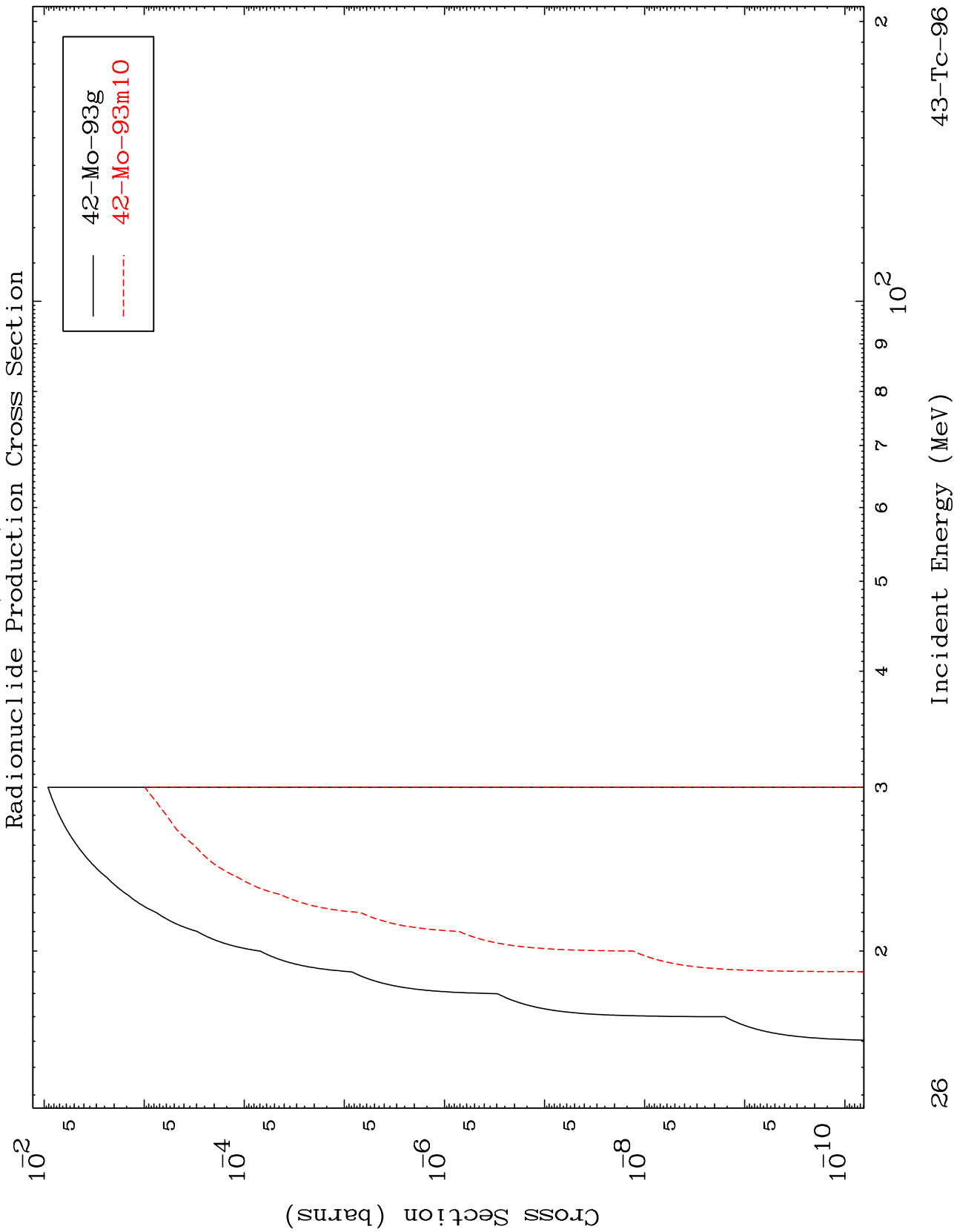
Radionuclide Production Cross Section



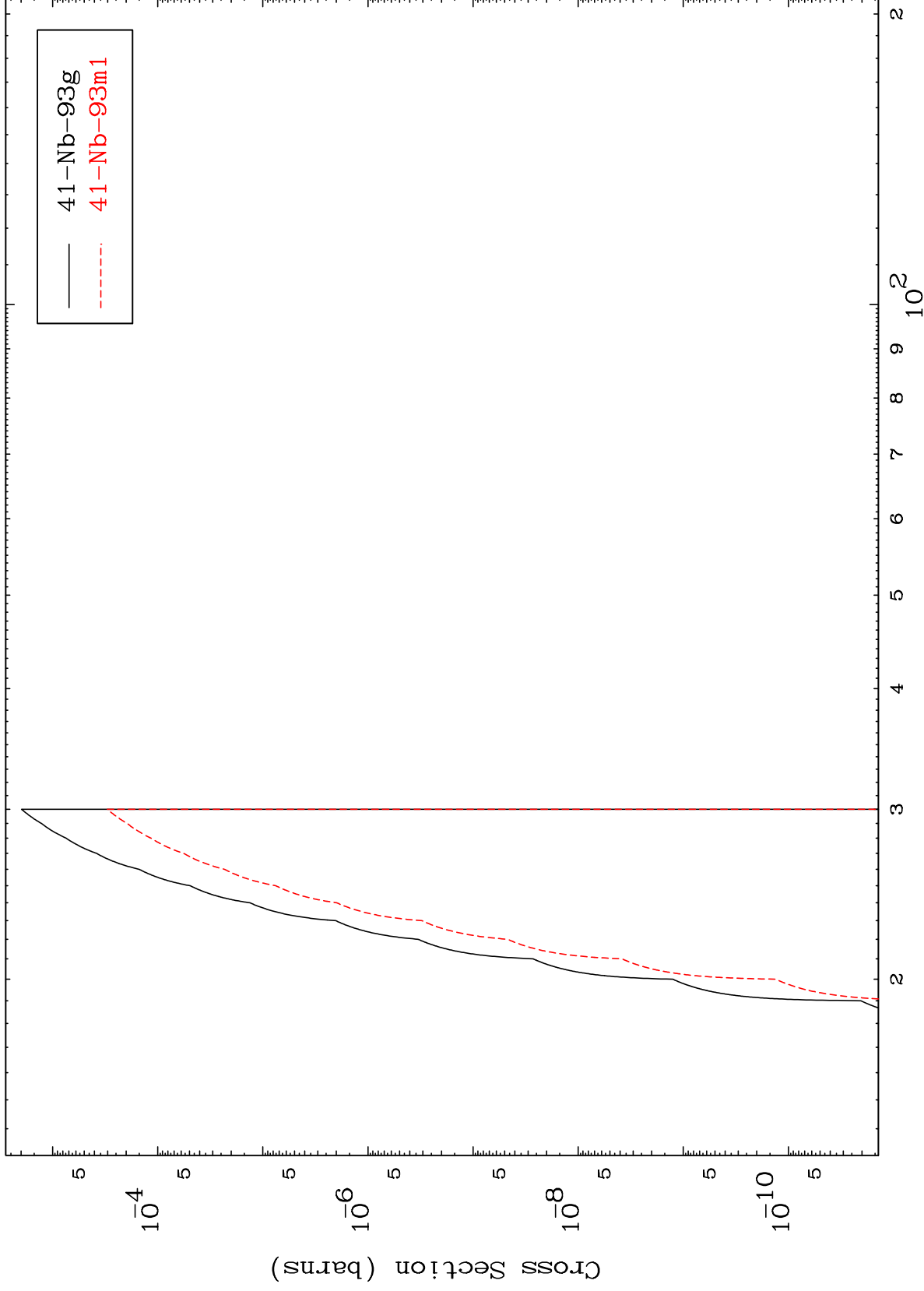
25

Incident Energy (MeV)

43-Tc-96



Radionuclide Production Cross Section

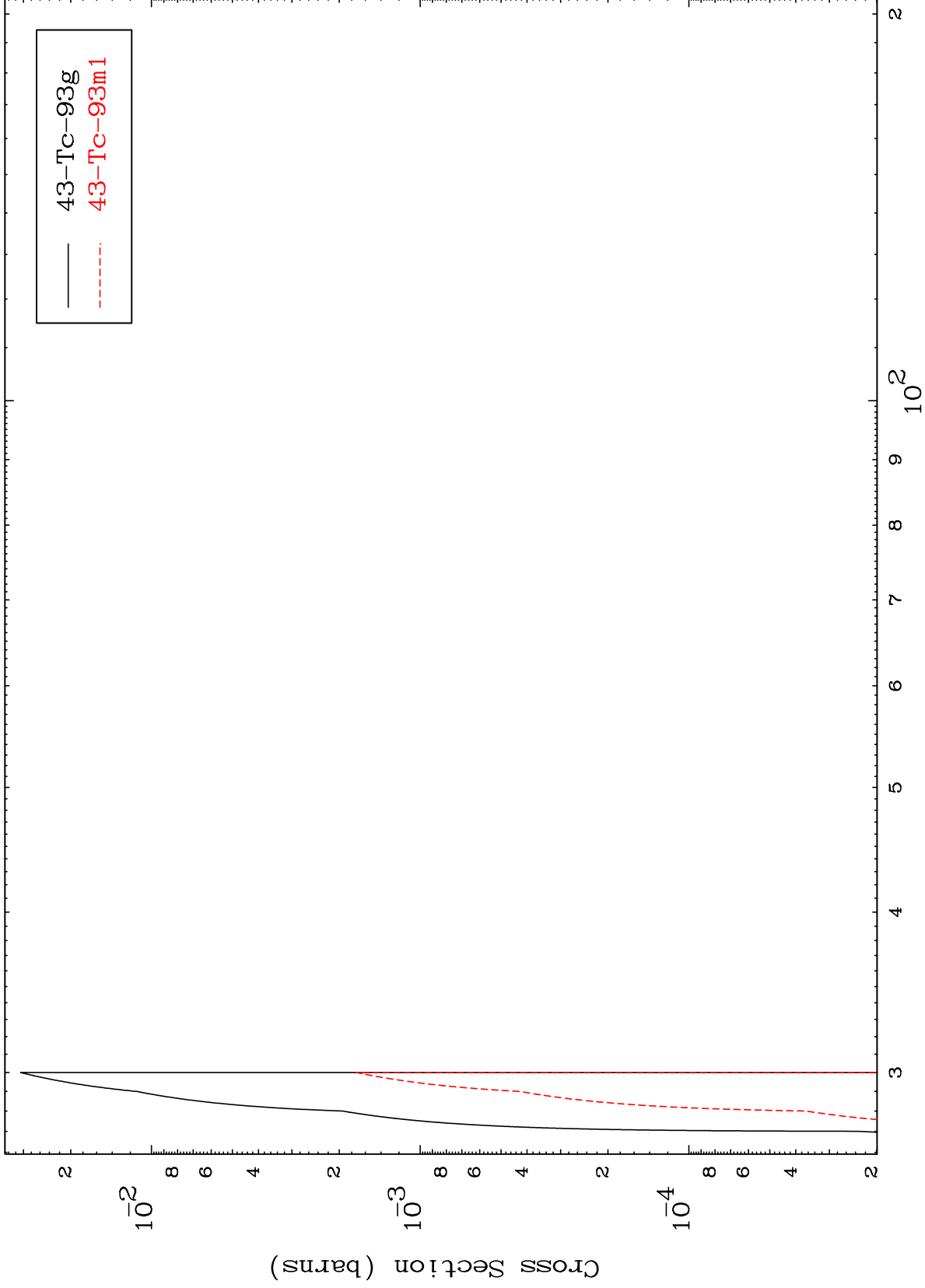


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(n,4n)

43-Tc-96

Radionuclide Production Cross Section

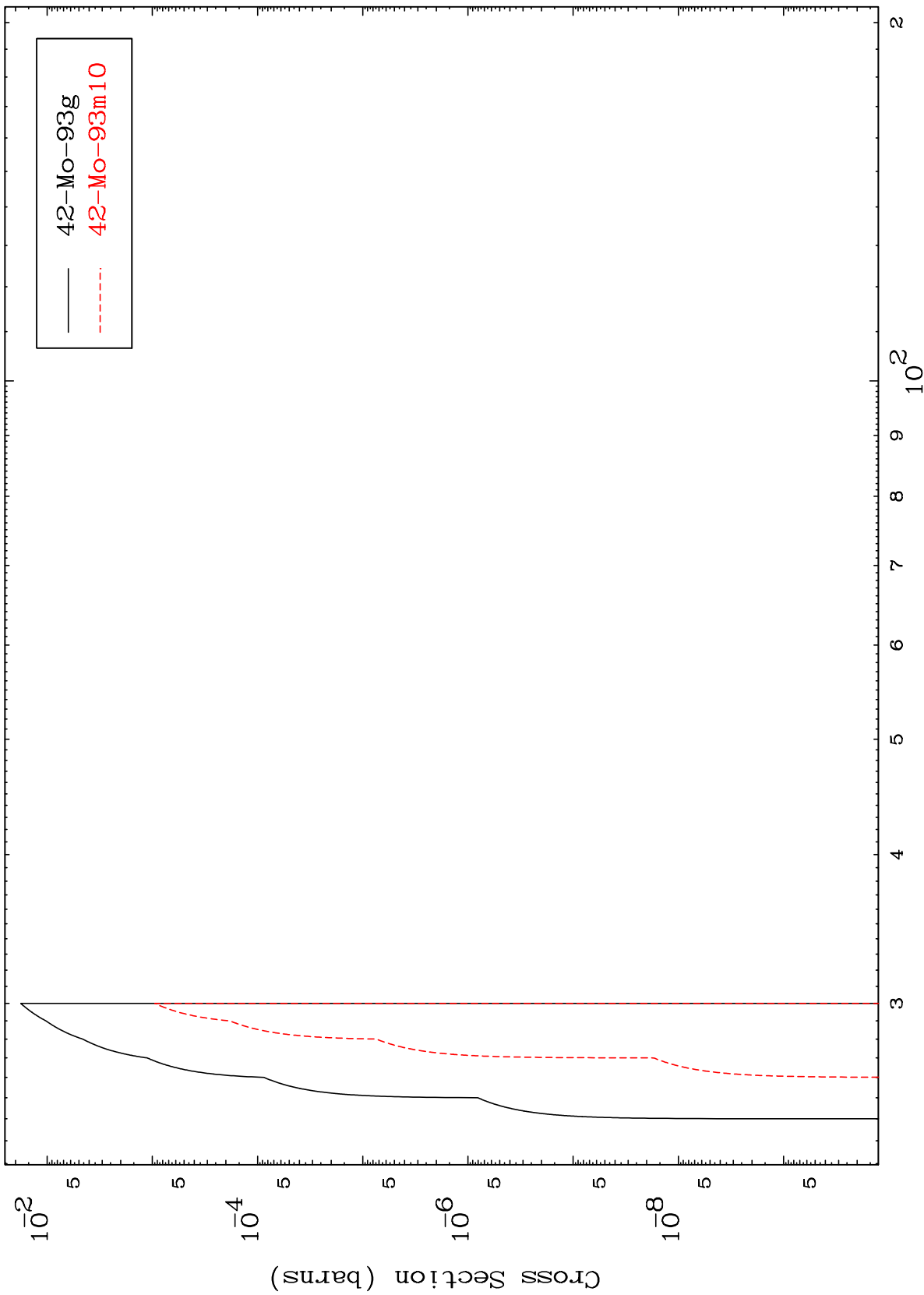


28

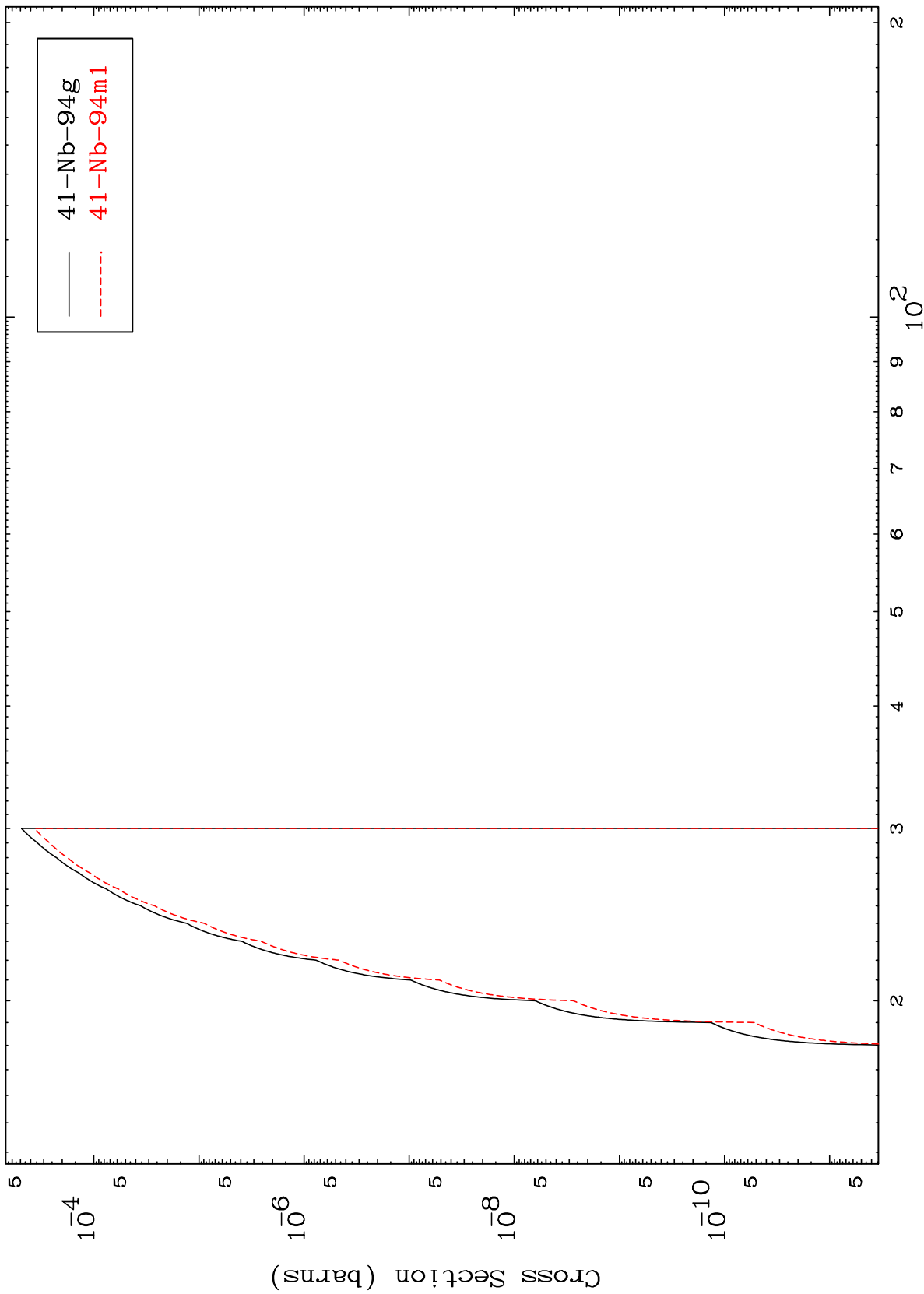
Incident Energy (MeV)

43-Tc-96

Radionuclide Production Cross Section

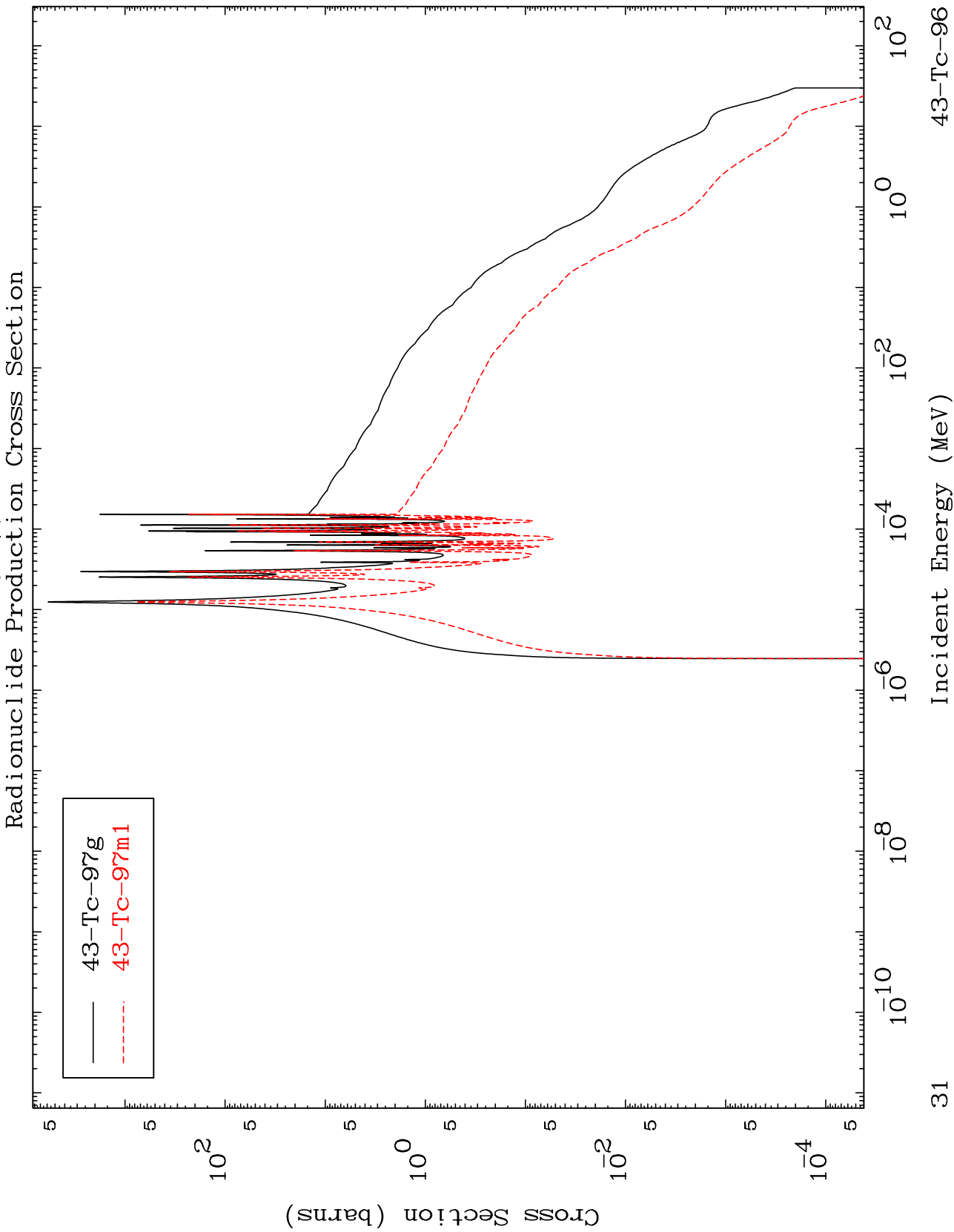


Radionuclide Production Cross Section



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43-Tc-96

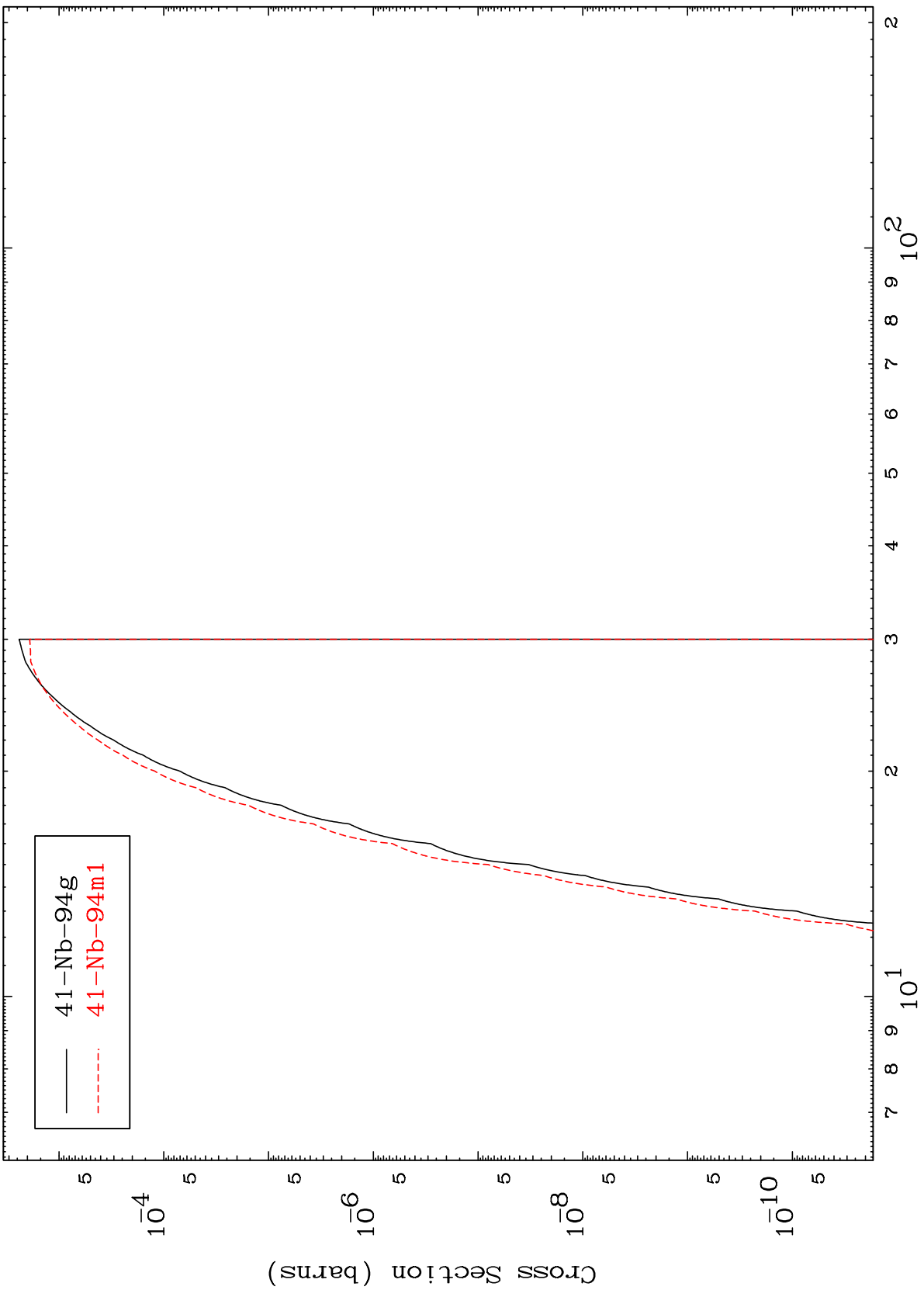




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43-Tc-96

Radionuclide Production Cross Section (n,He-3)



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

Incident Energy (MeV)

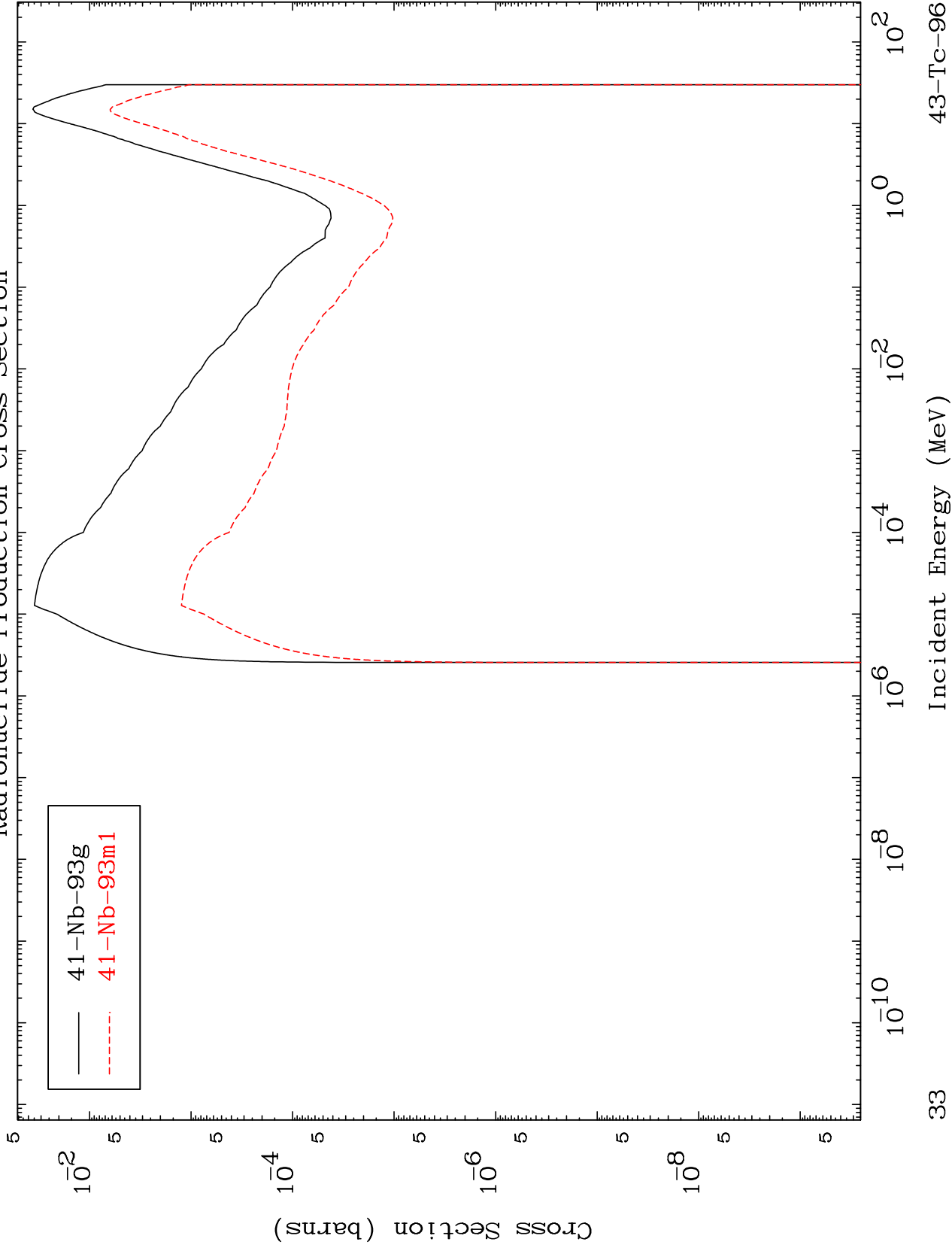
43-Tc-96

32

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43-Tc-96

(n,  $\alpha$ )  
Radionuclide Production Cross Section

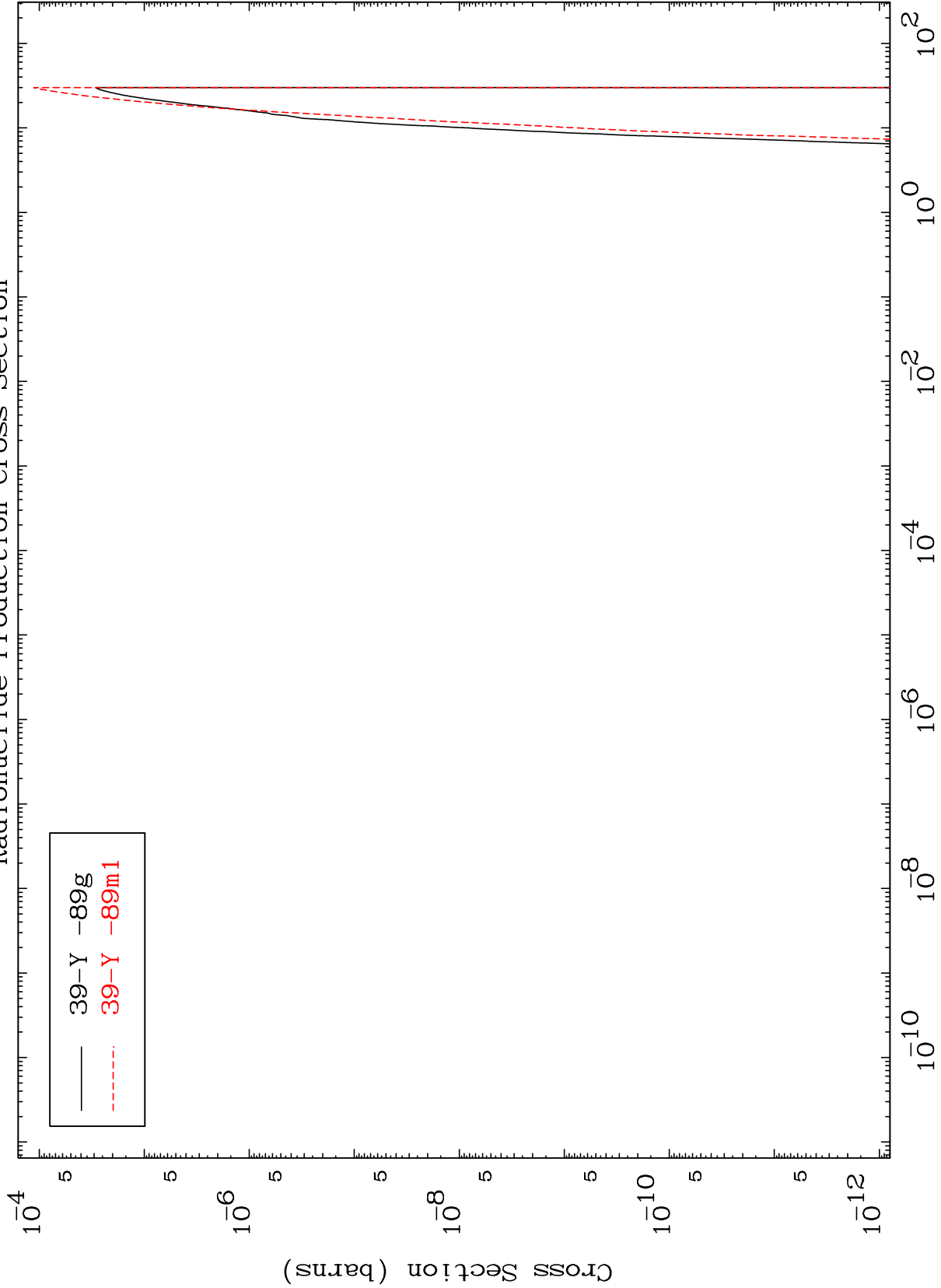


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(n,2α)

43-Tc-96

Radionuclide Production Cross Section



34

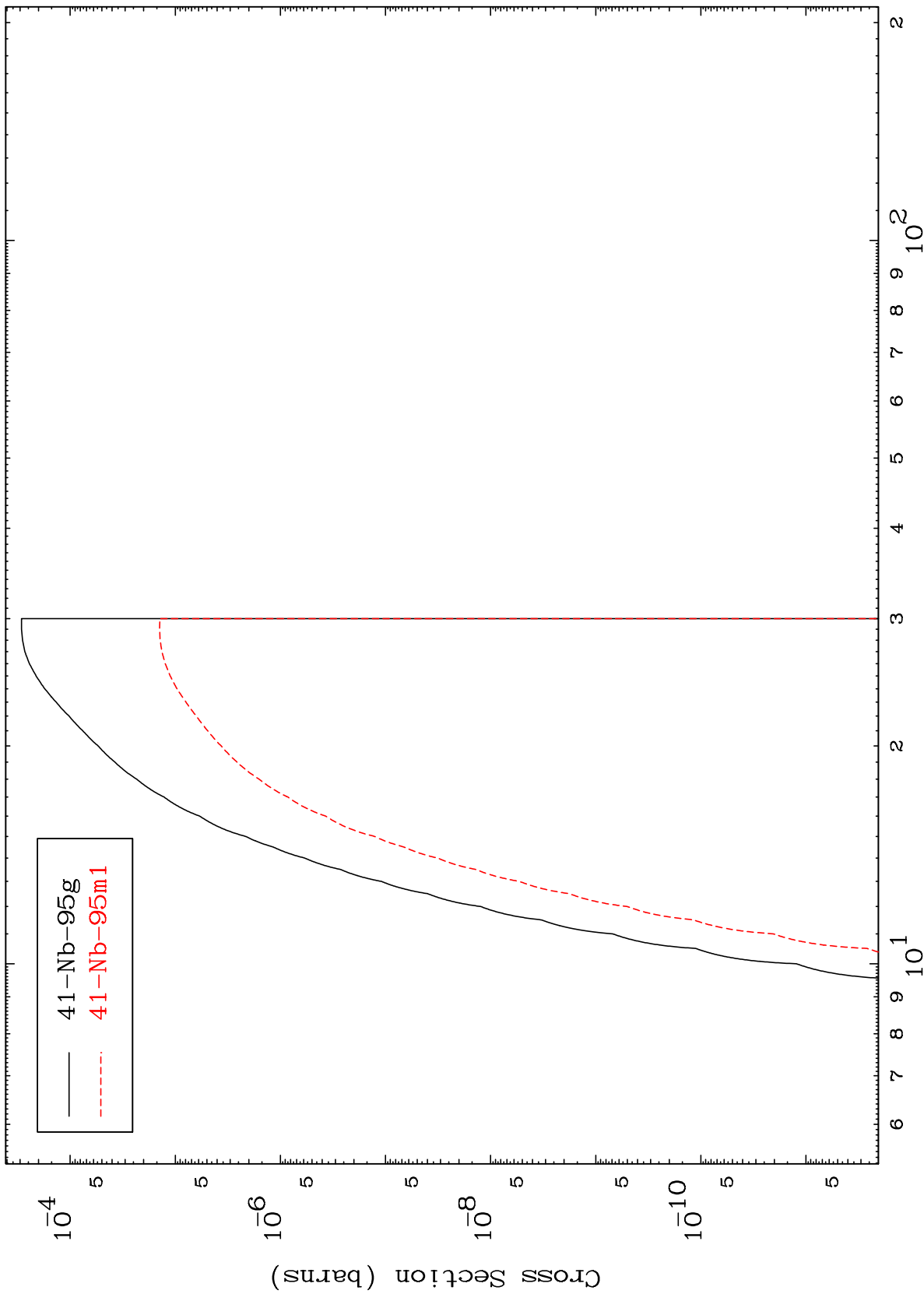
Incident Energy (MeV)

43-Tc-96

MAT 4317

43-Tc-96

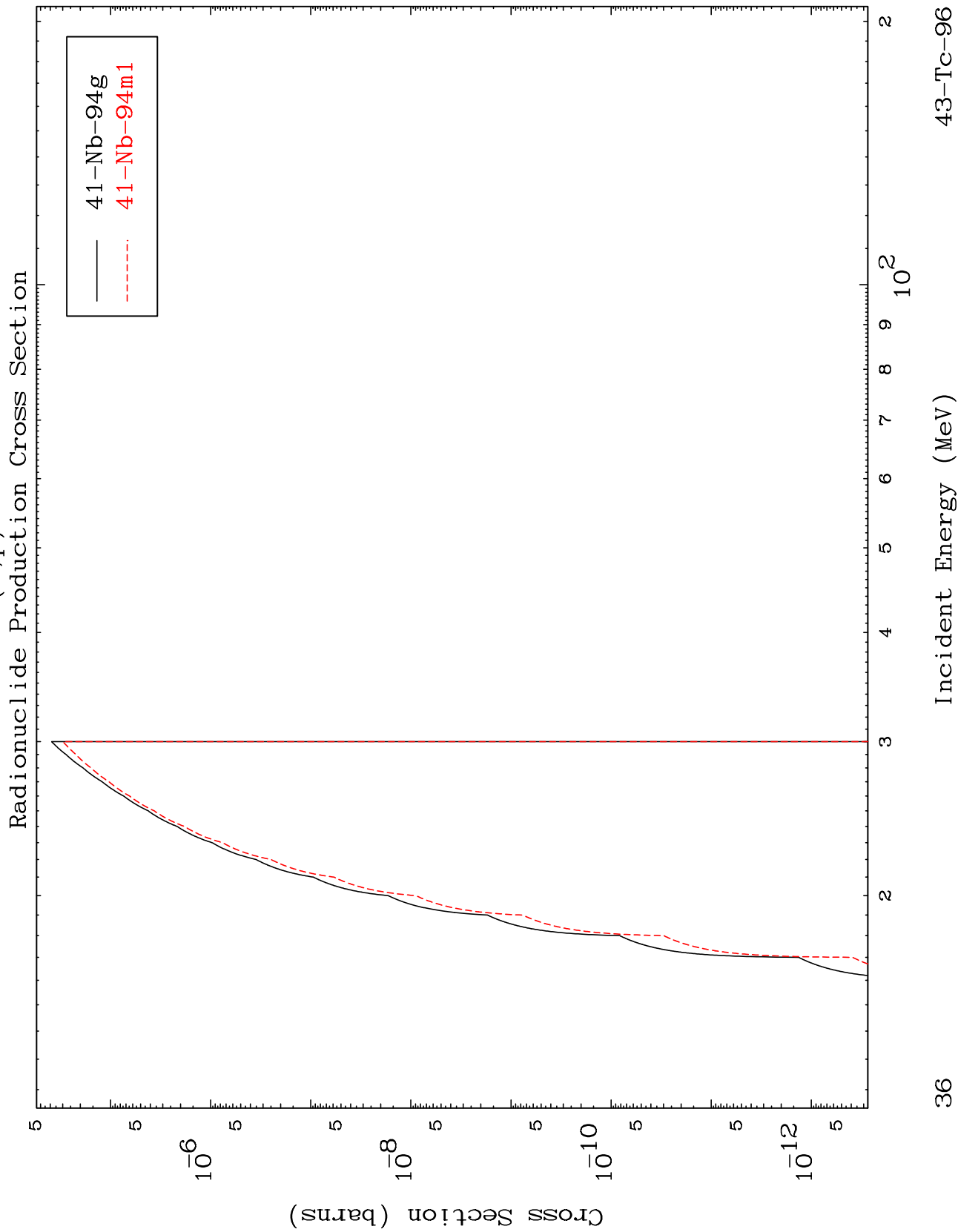
(n,2p)  
Radionuclide Production Cross Section



35

Incident Energy (MeV)

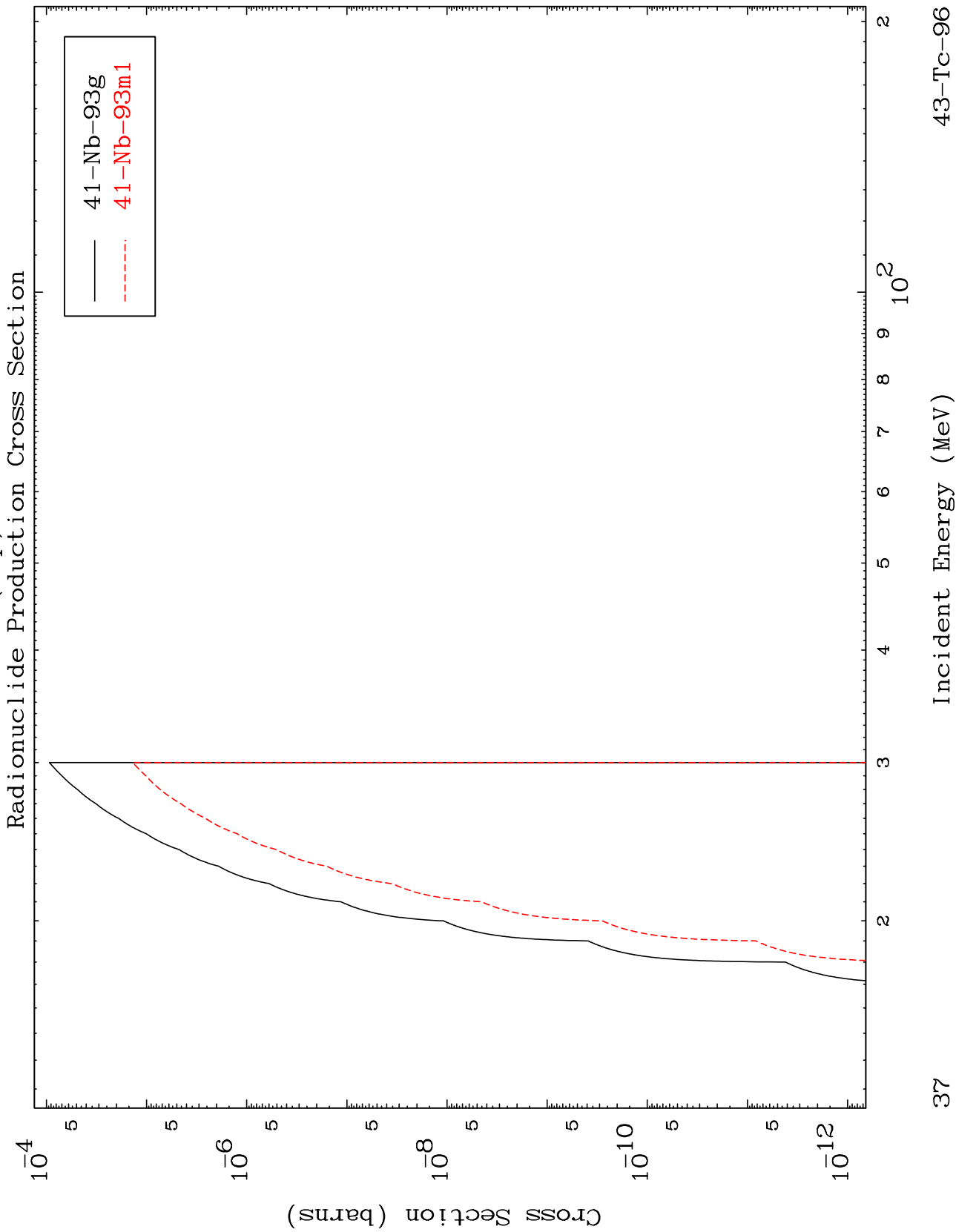
43-Tc-96



MAT 4317

(n,p) t

43-Tc-96



37

Incident Energy (MeV)

43-Tc-96