

Program EVALPLOT  
(Version 2015-2)

by

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(Present Contact Information)

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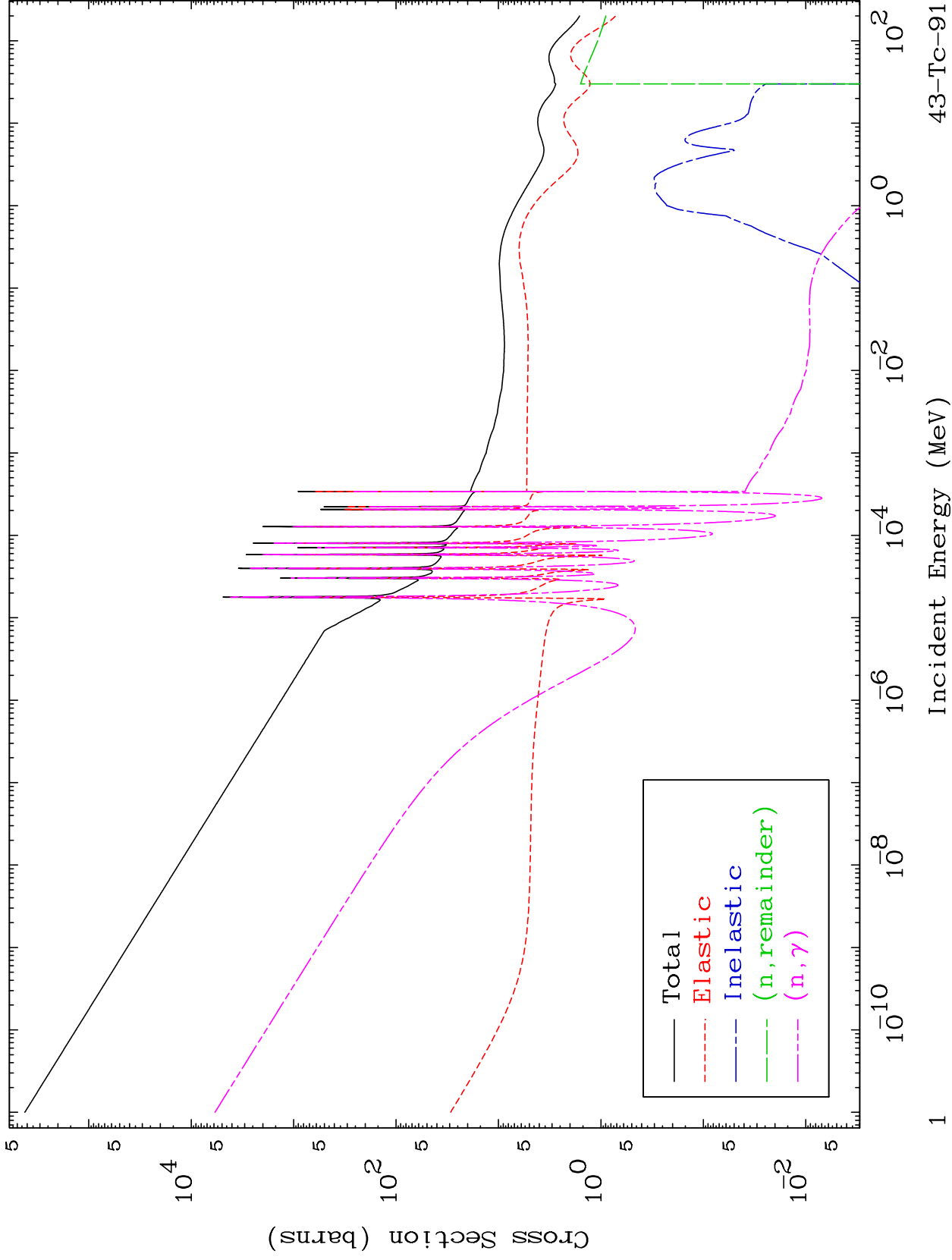
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

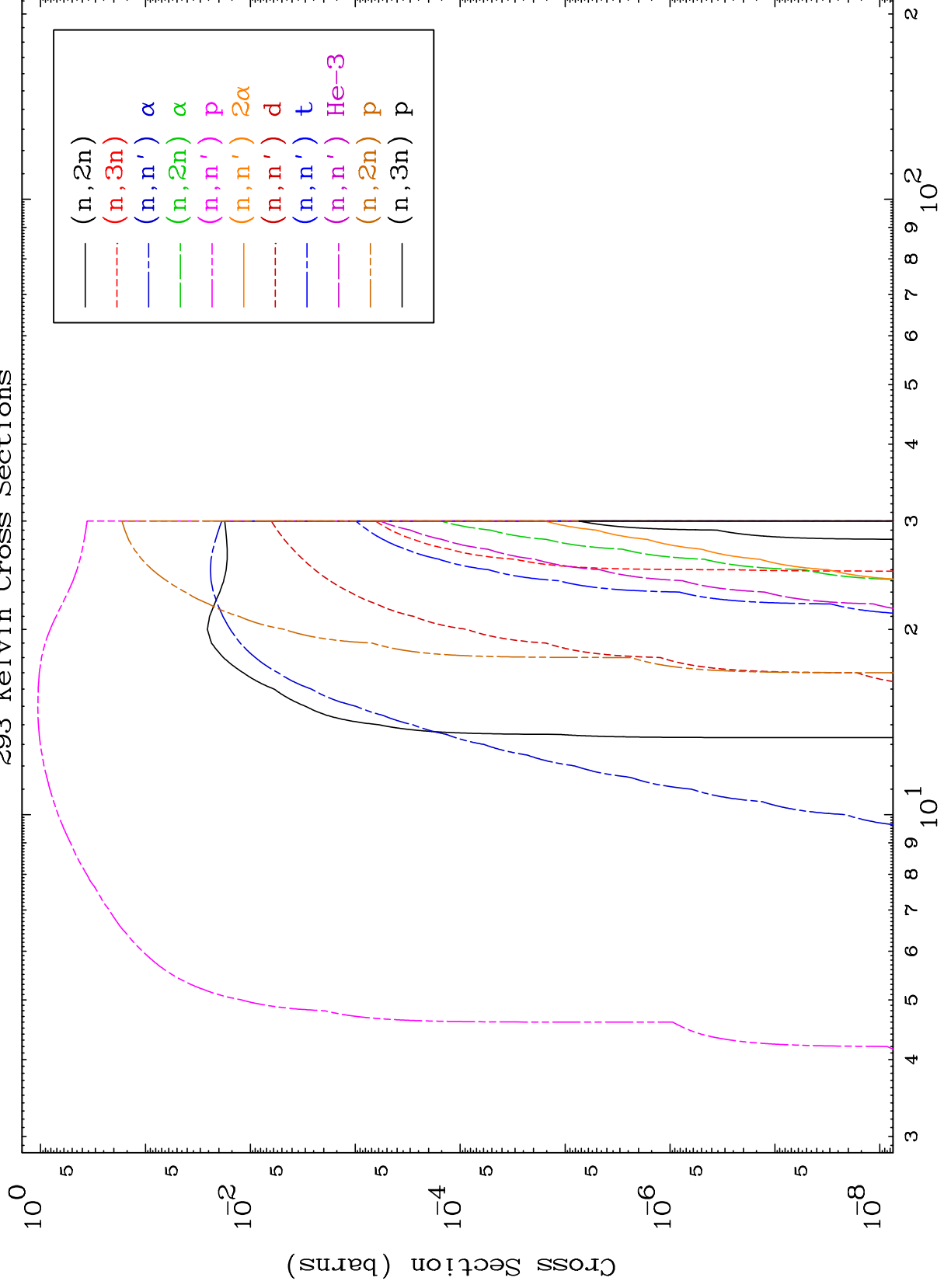
Press Mouse Button to Start

MAT 4302

Major  
293 Kelvin Cross Sections

43-Tc-91

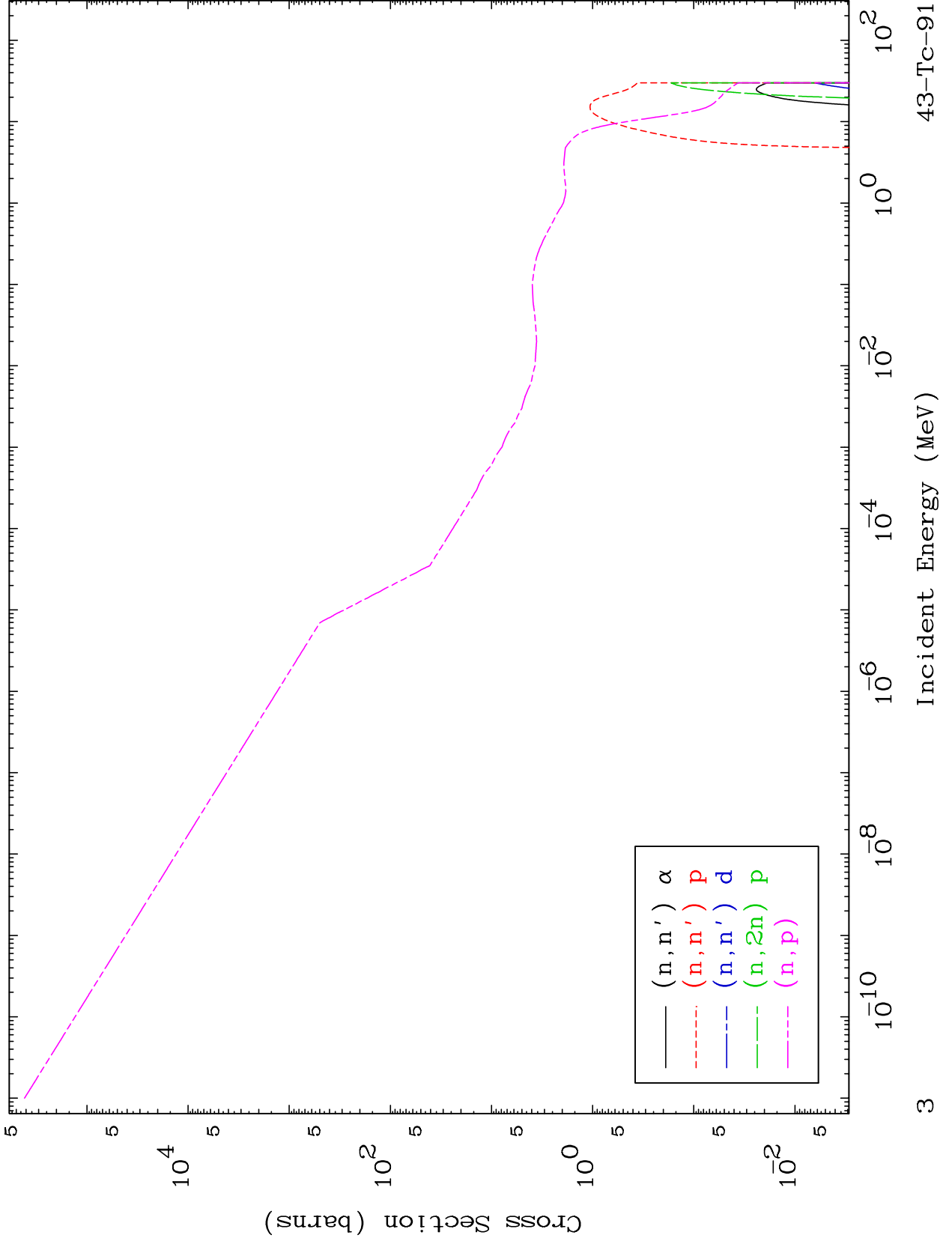




MAT 4302

Charged Particle  
293 Kelvin Cross Sections

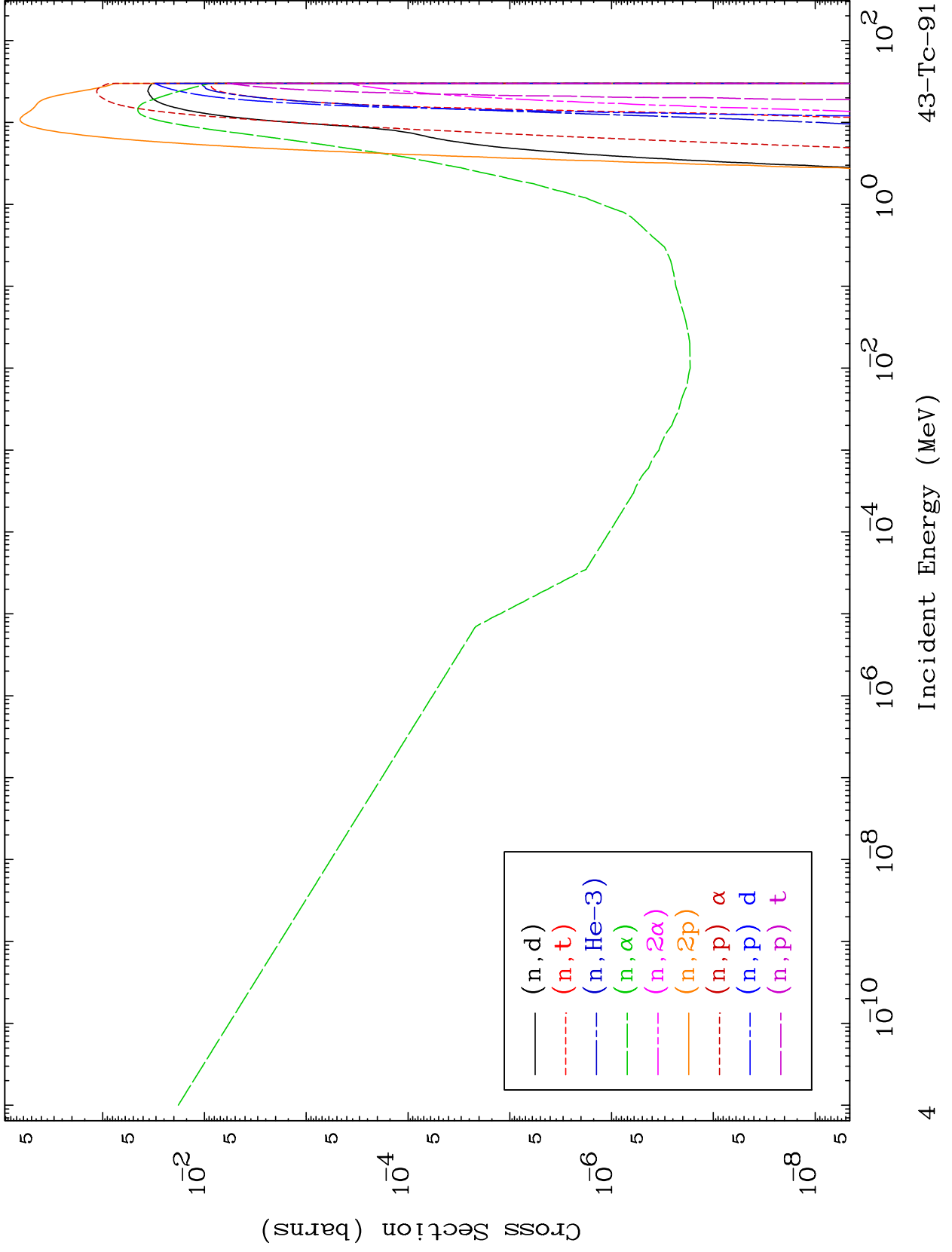
43-Tc-91



MAT 4302

Charged Particle  
293 Kelvin Cross Sections

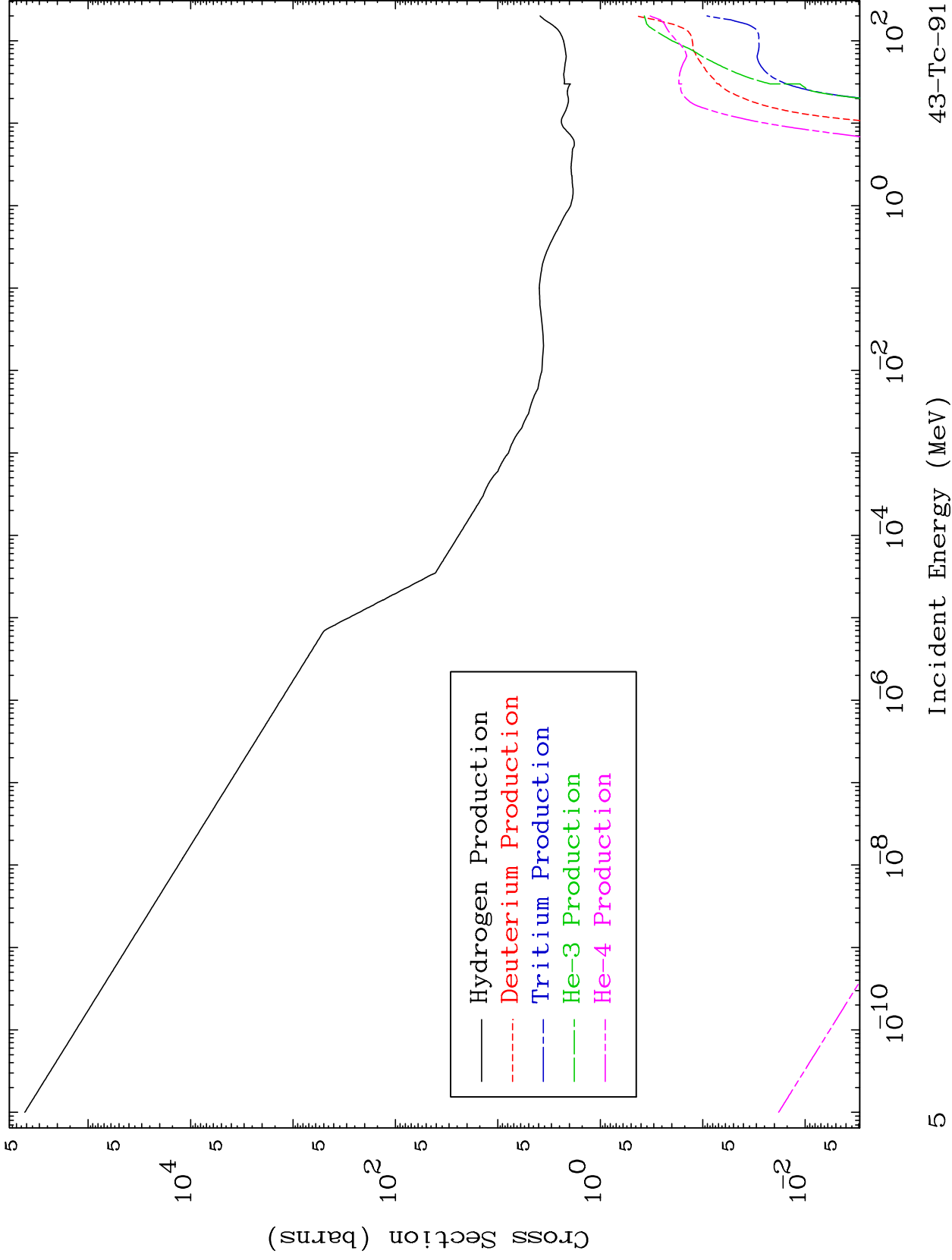
43-Tc-91



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Particle Production  
293 Kelvin Cross Sections

43-Tc-91



5

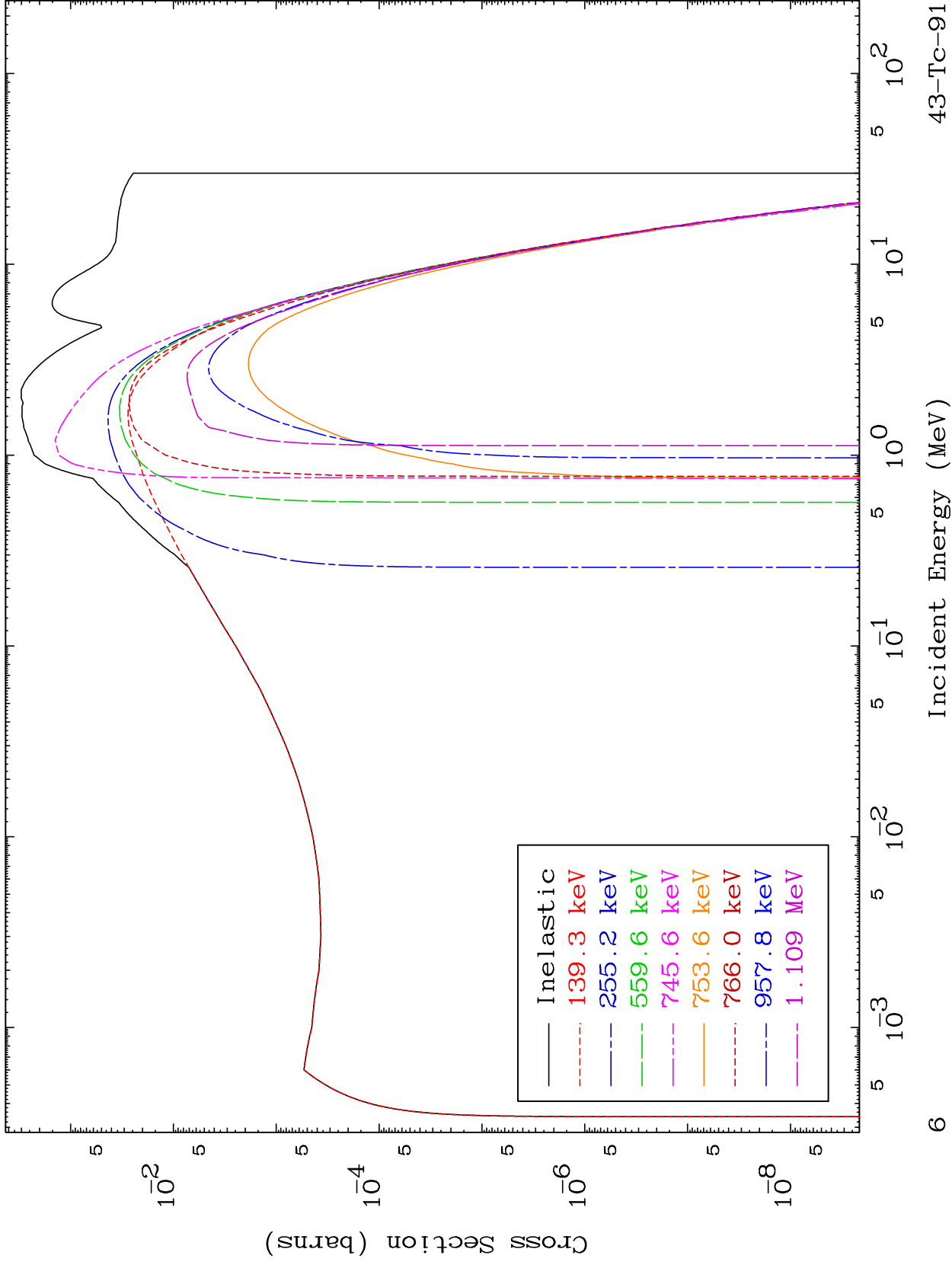
Incident Energy (MeV)

43-Tc-91

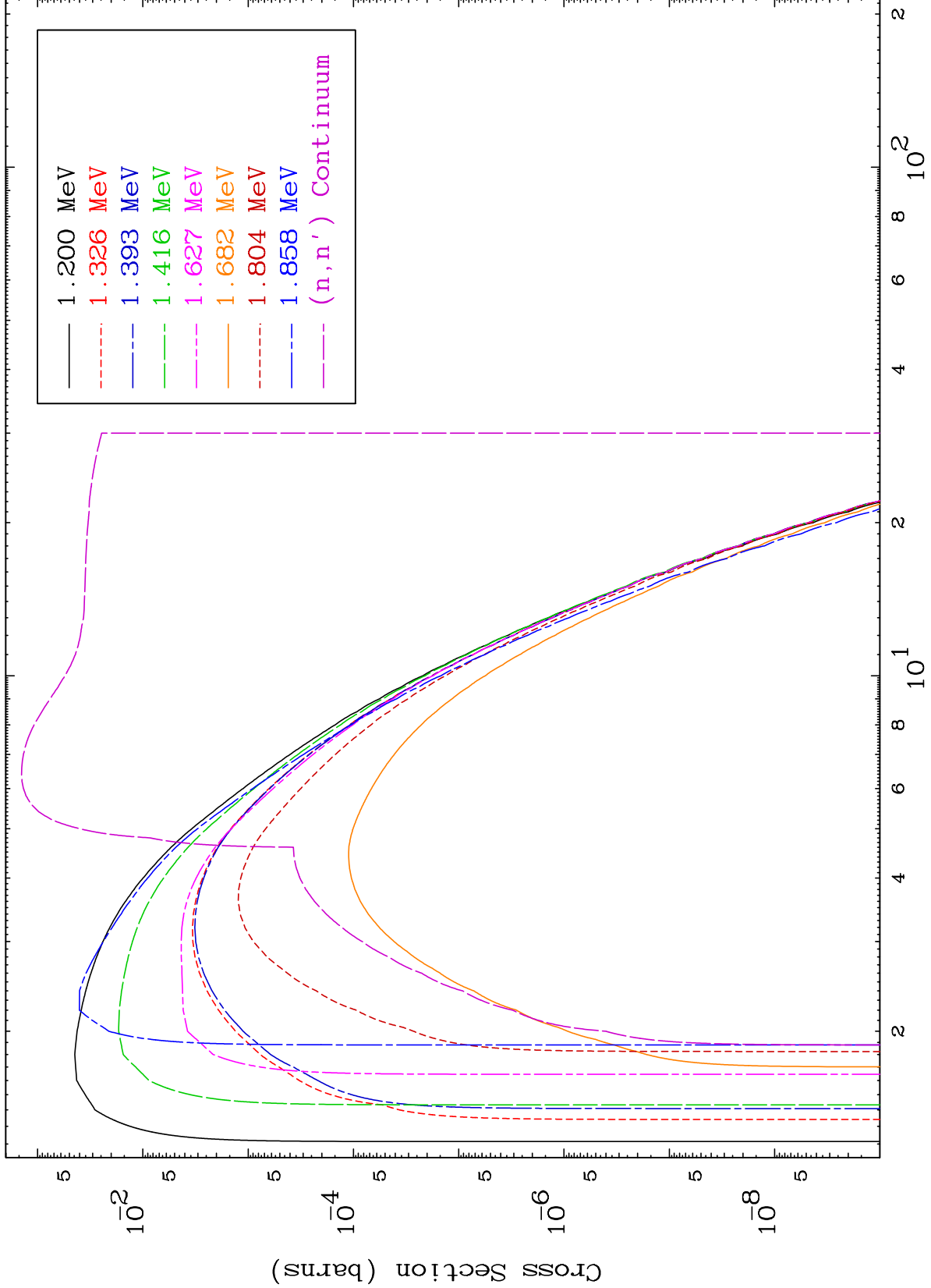
MAT 4302

(n,n') Level  
293 Kelvin Cross Sections

43-Tc-91



293 Kelvin Cross Sections

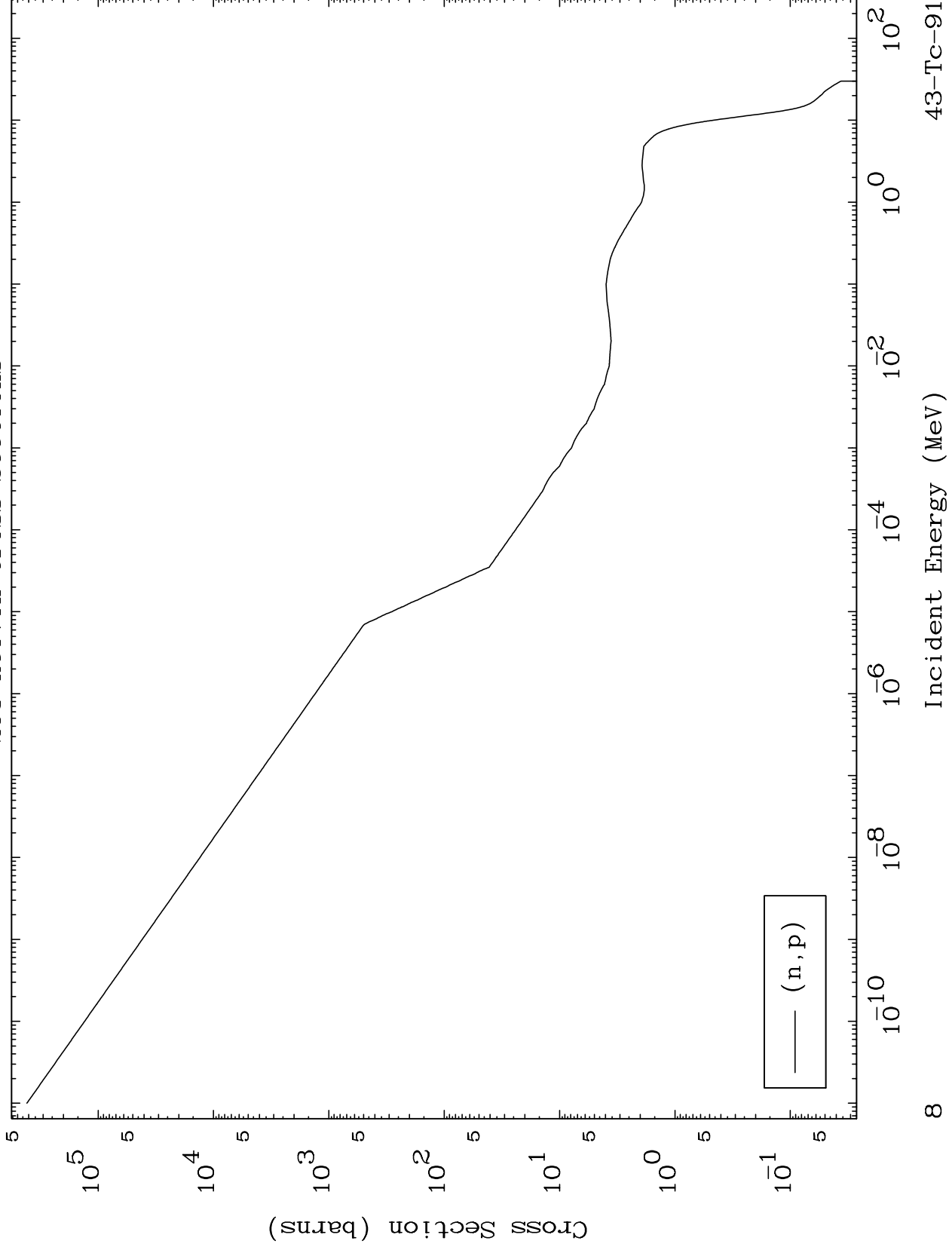




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(n,p) Levels  
293 Kelvin Cross Sections

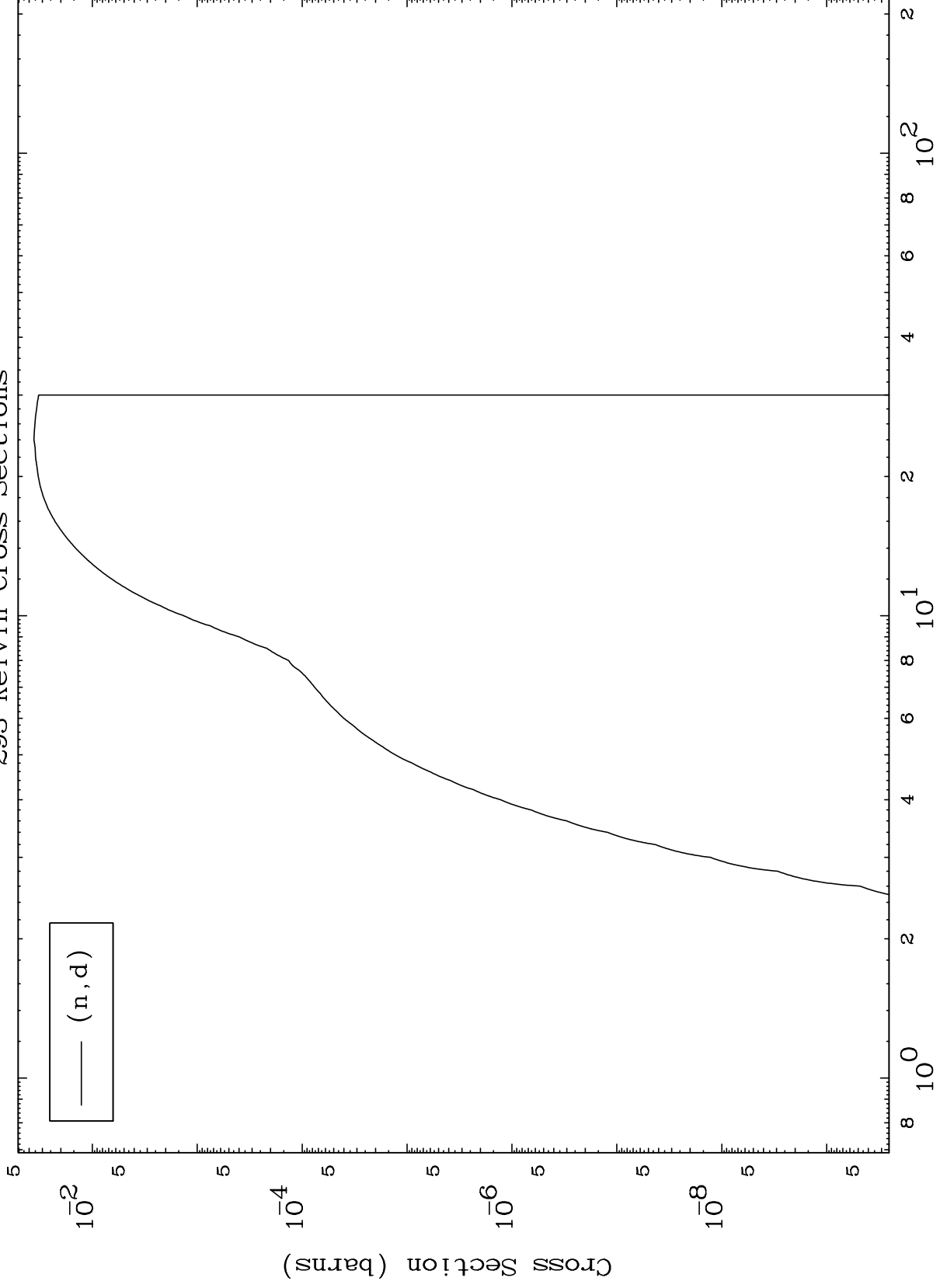
43-Tc-91



MAT 4302

(n,d) Levels  
293 Kelvin Cross Sections

43-Tc-91



(n,d)

9

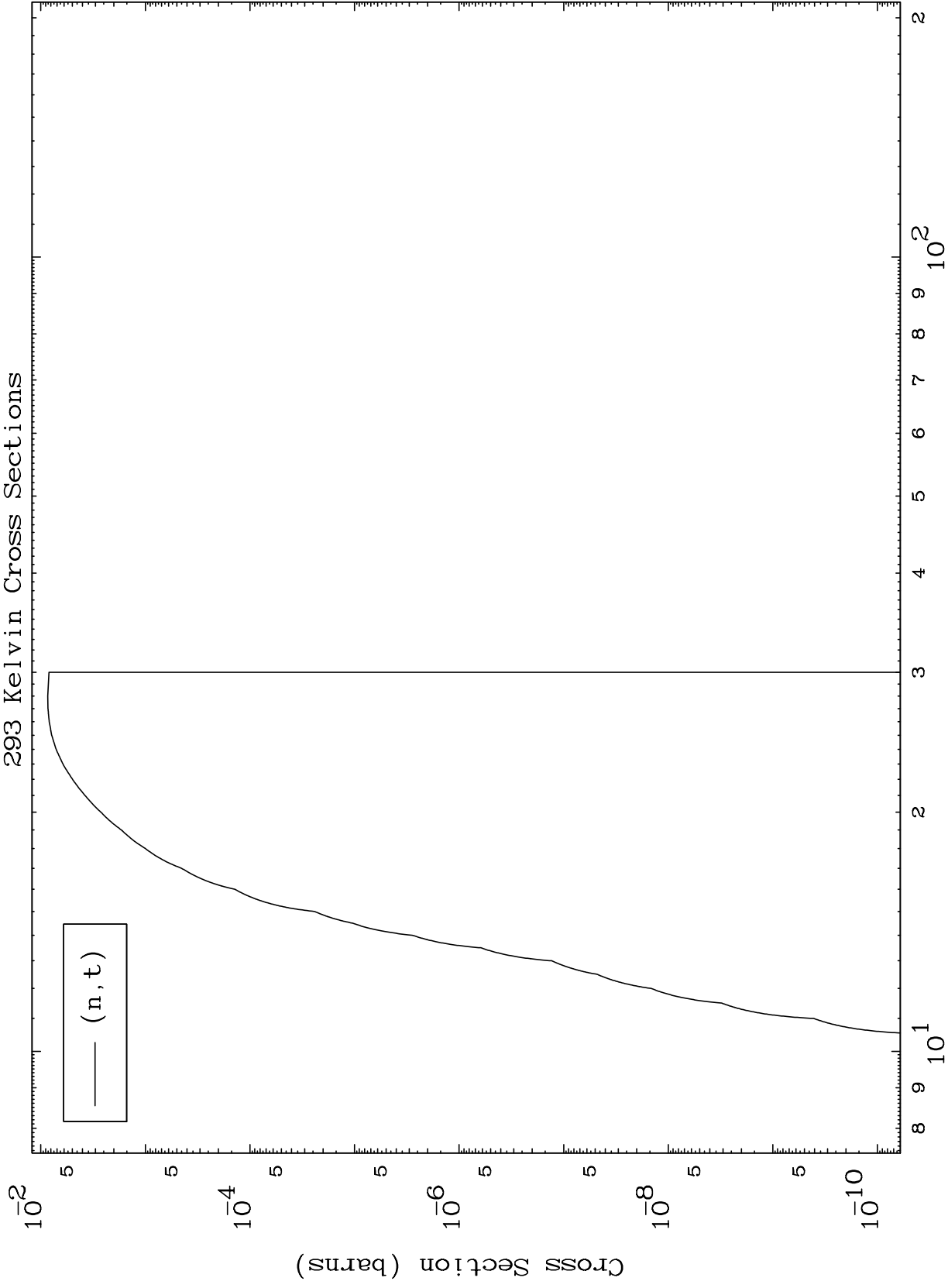
Incident Energy (MeV)

43-Tc-91

MAT 4302

(n,t) Levels  
293 Kelvin Cross Sections

43-Tc-91



43-Tc-91

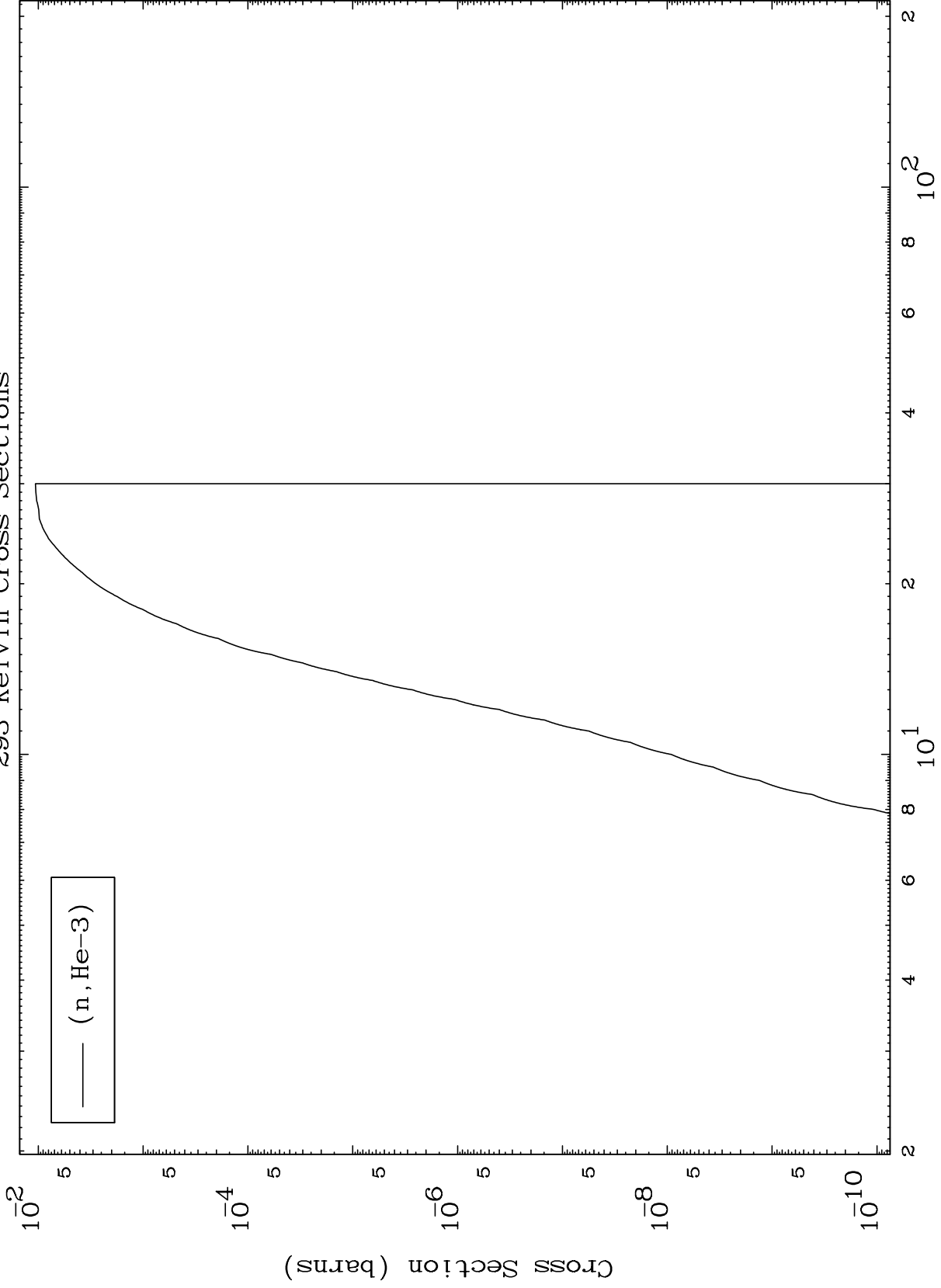
Incident Energy (MeV)

10

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(n,He3) Levels  
293 Kelvin Cross Sections

43-Tc-91



11

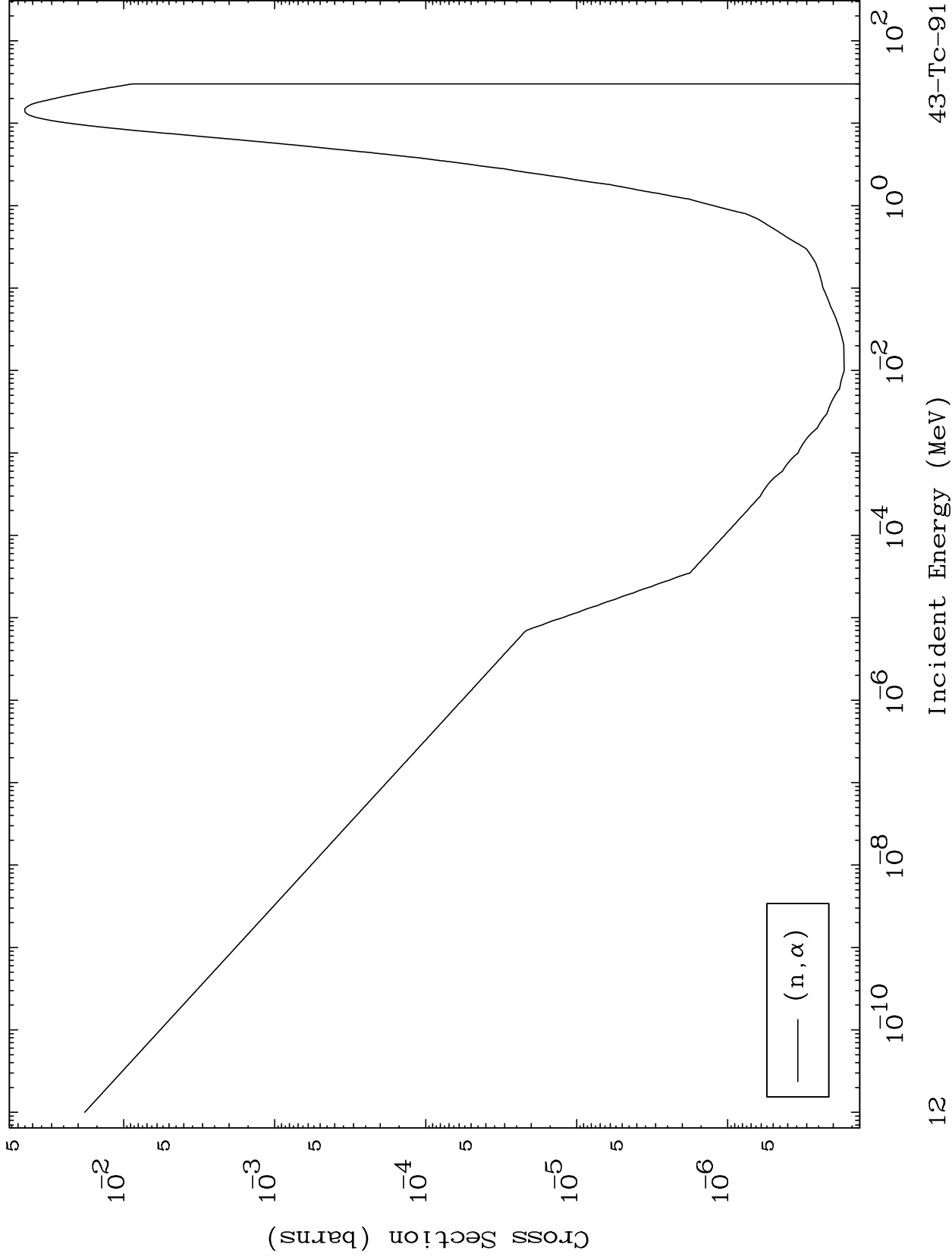
Incident Energy (MeV)

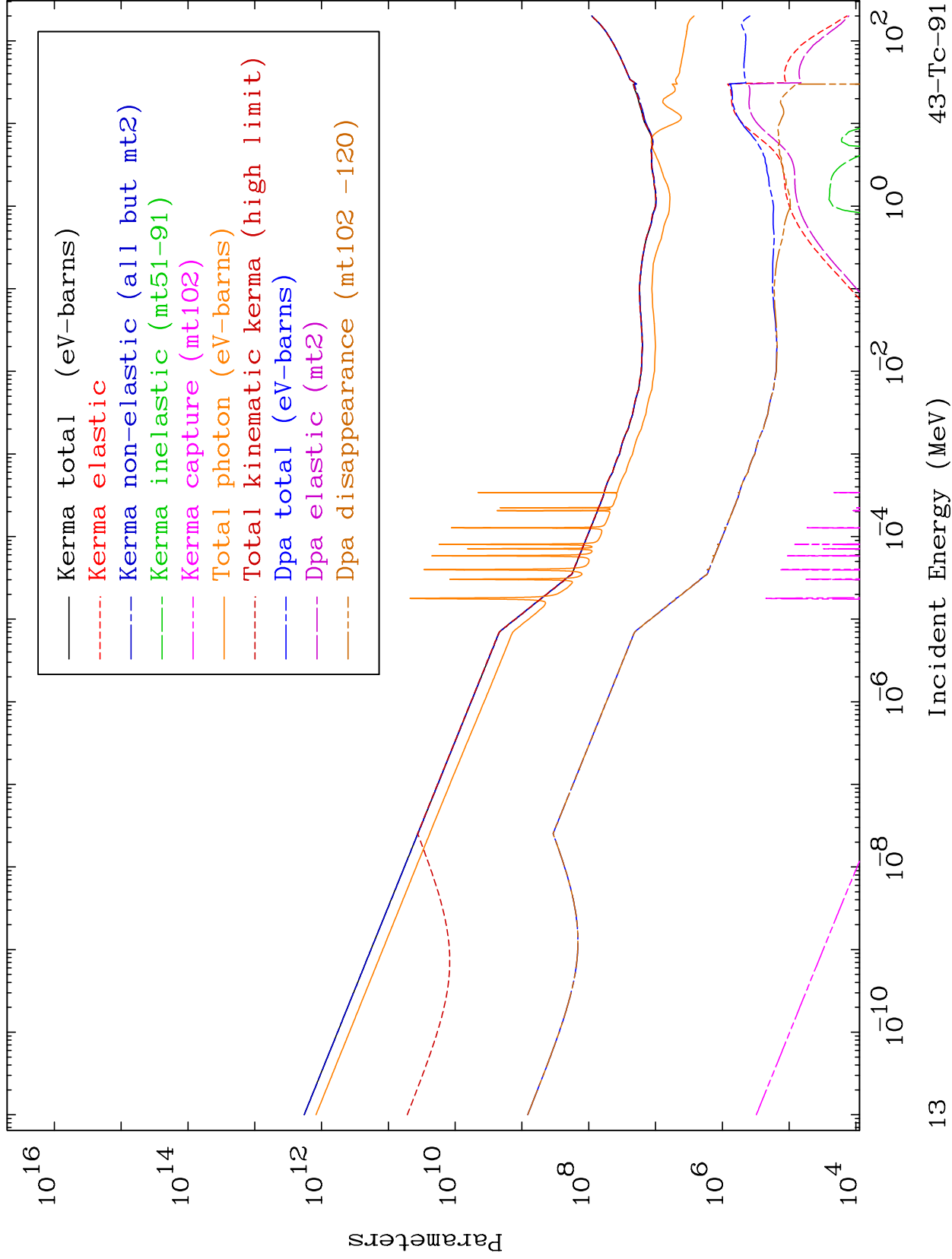
43-Tc-91

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(n,α) Levels  
293 Kelvin Cross Sections

43-Tc-91

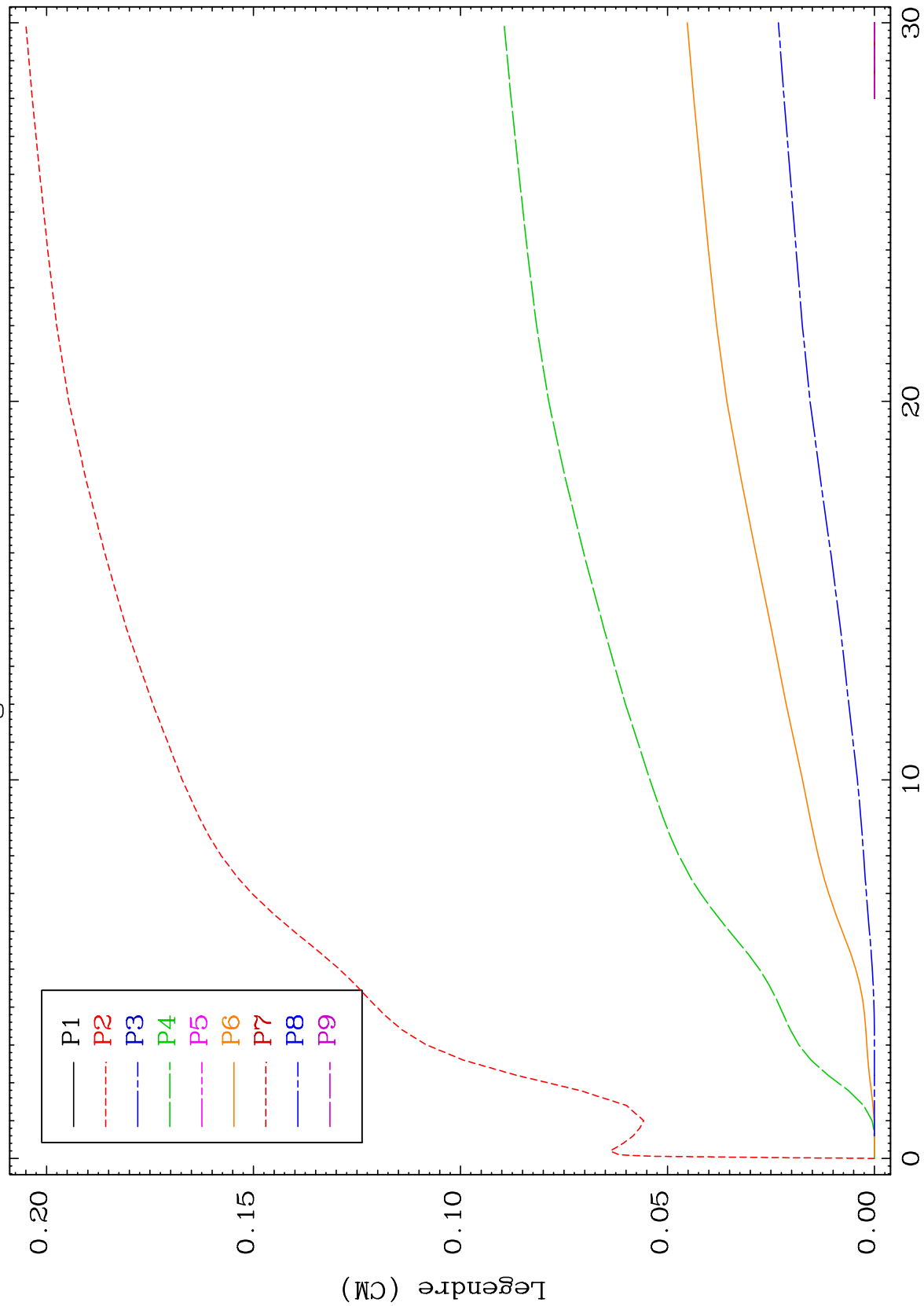




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Elastic Legendre Coefficients

43-Tc-91



14

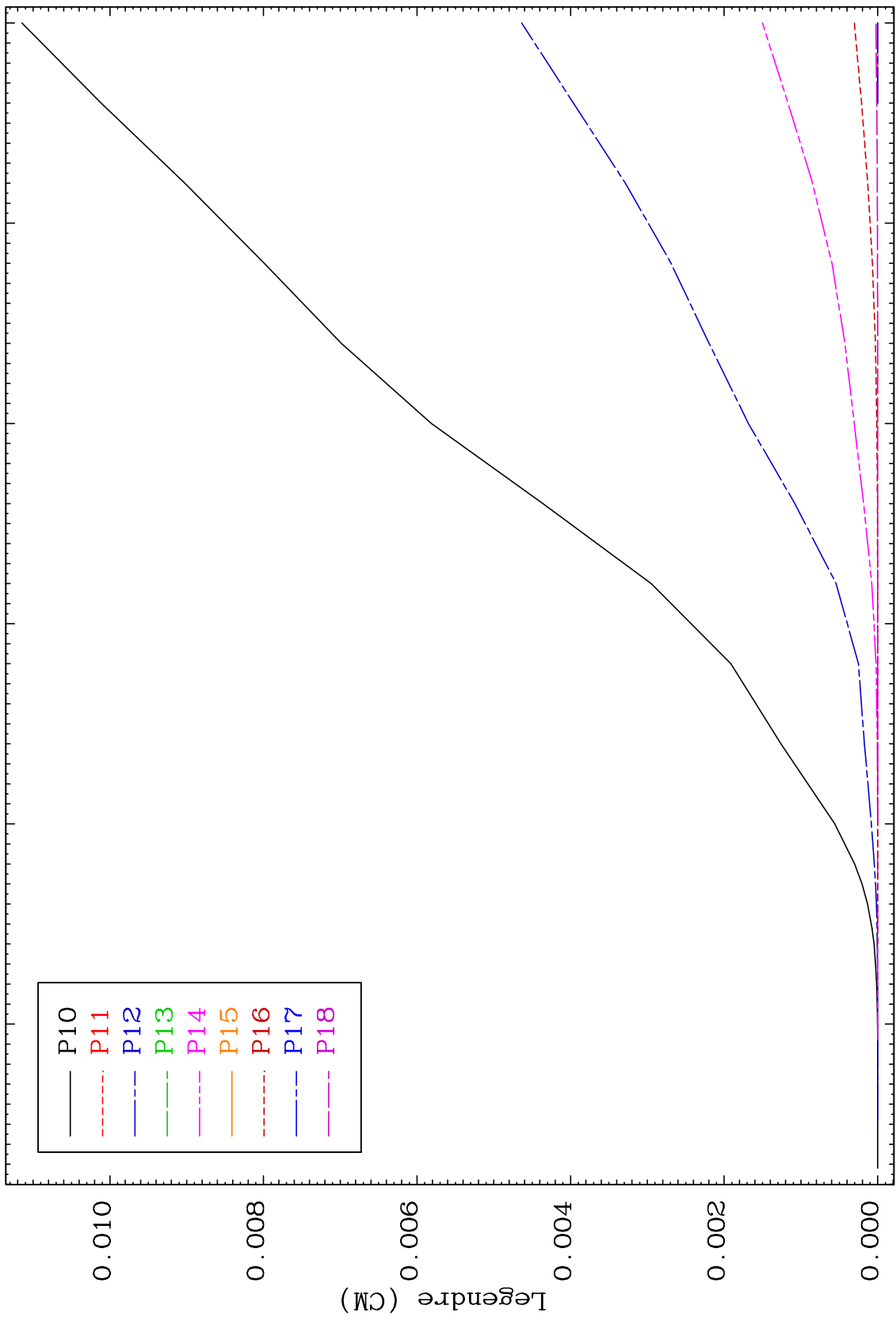
Incident Energy (MeV)

43-Tc-91

MAT 4302

Elastic Legendre Coefficients

43-Tc-91



15

Incident Energy (MeV)

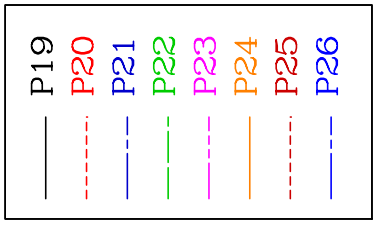
43-Tc-91



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Elastic Legendre Coefficients

43-Tc-91



$\times 10^{-6}$   
1.2  
1.0  
0.8  
0.6  
0.4  
0.2  
0.0

Legendre (CM)

15 20 25 30

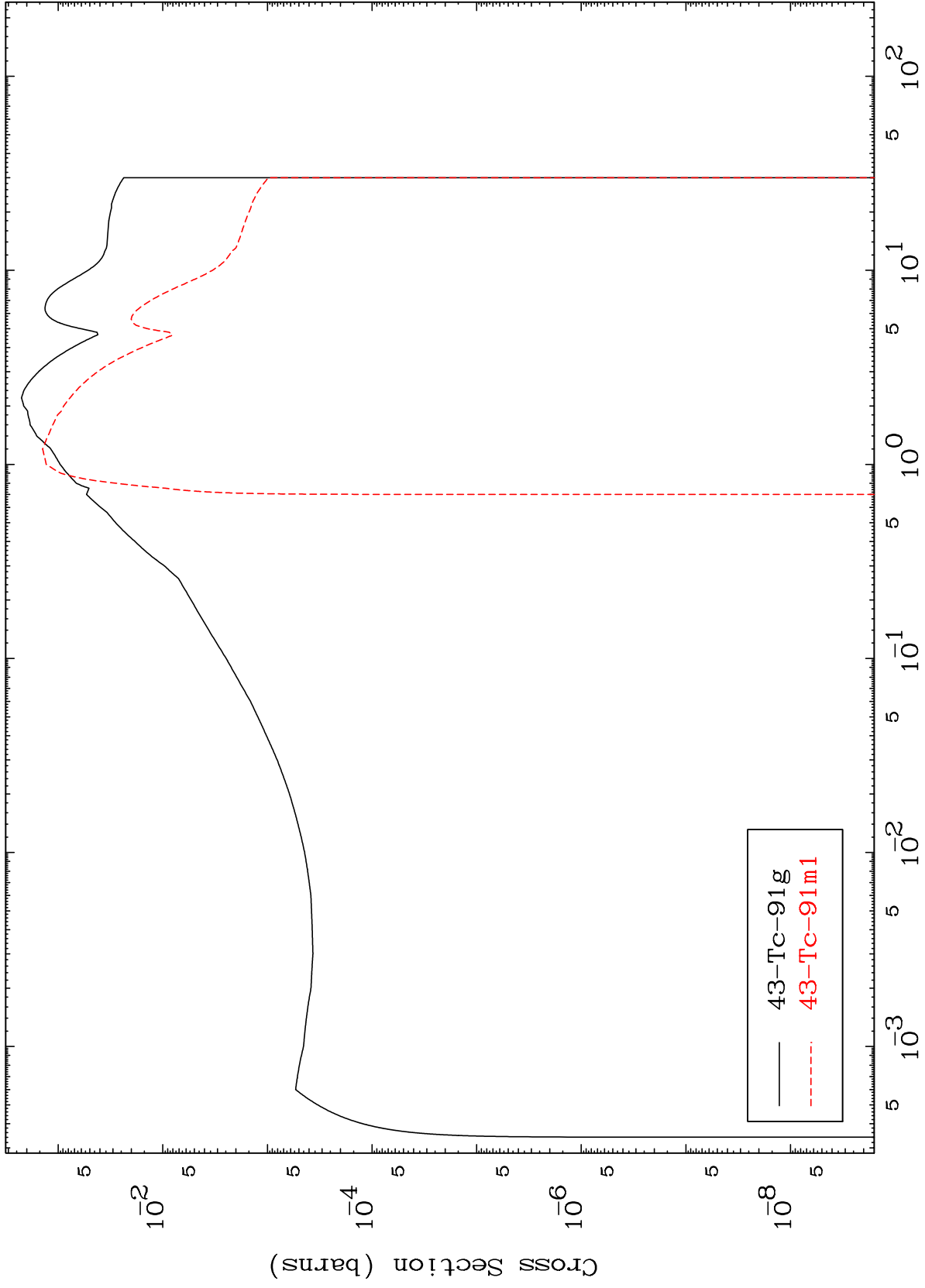
Incident Energy (MeV)

43-Tc-91

16



Inelastic  
Radionuclide Production Cross Section

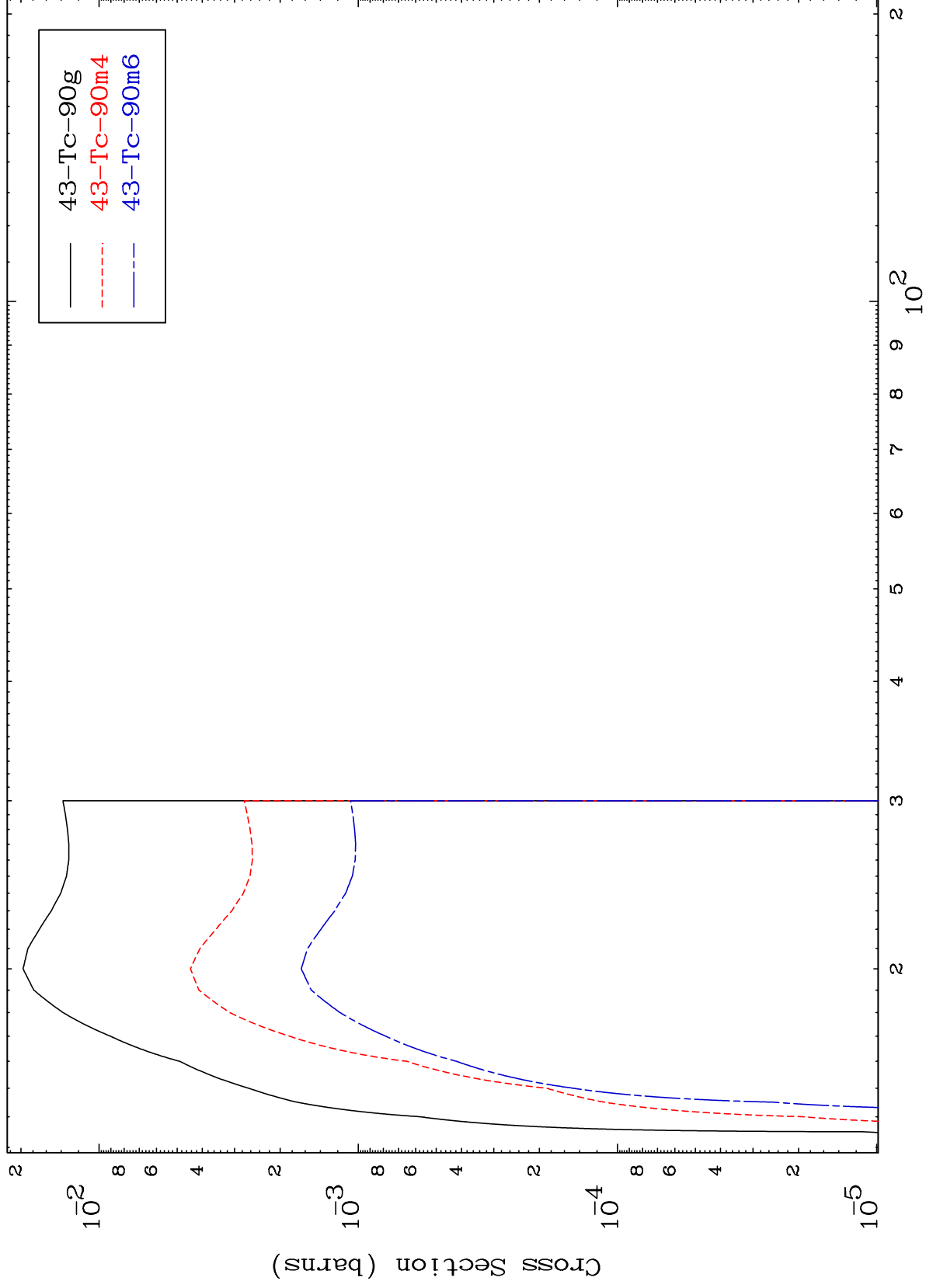


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(n,2n)

43-Tc-91

Radionuclide Production Cross Section



18

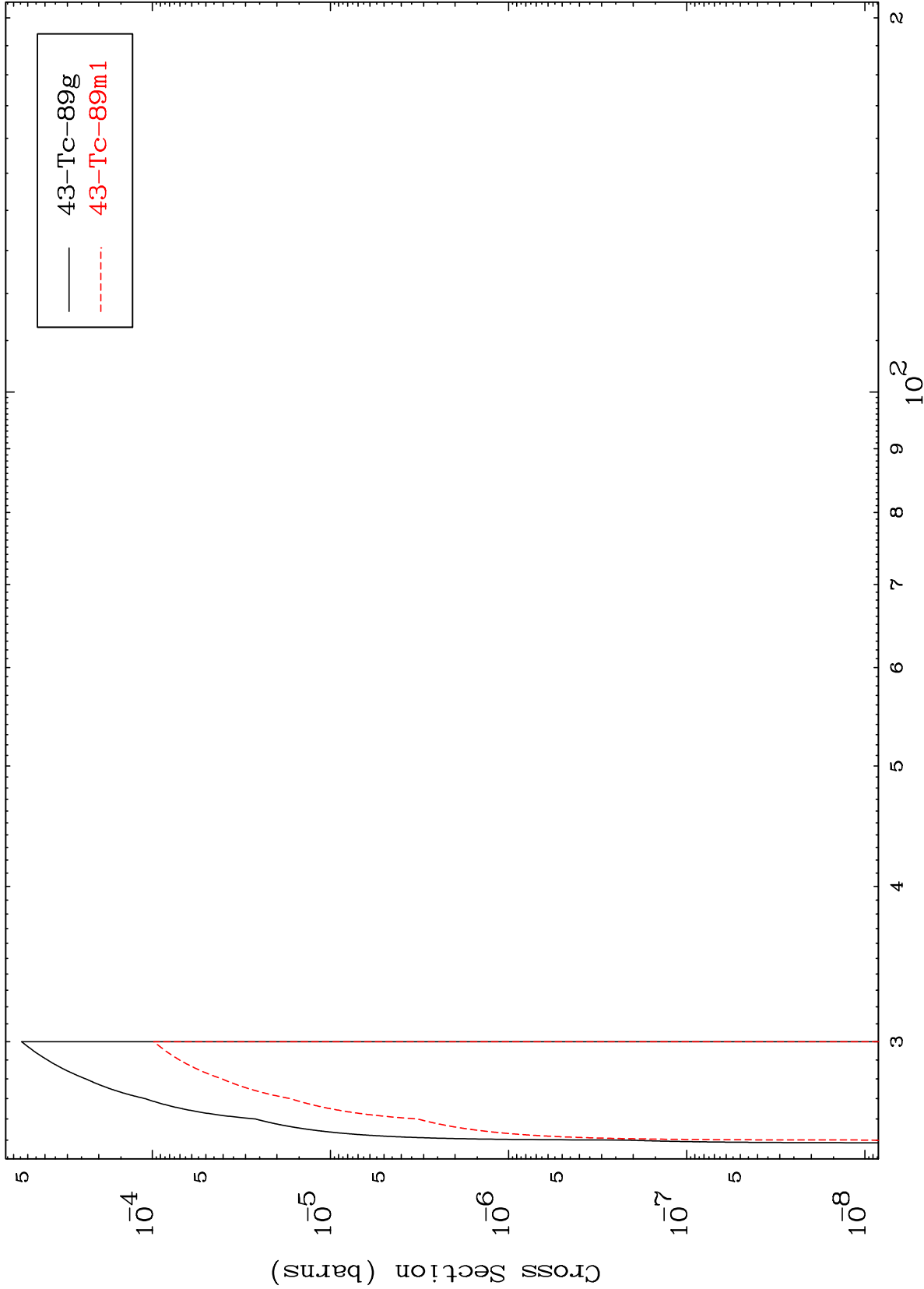
Incident Energy (MeV)

43-Tc-91

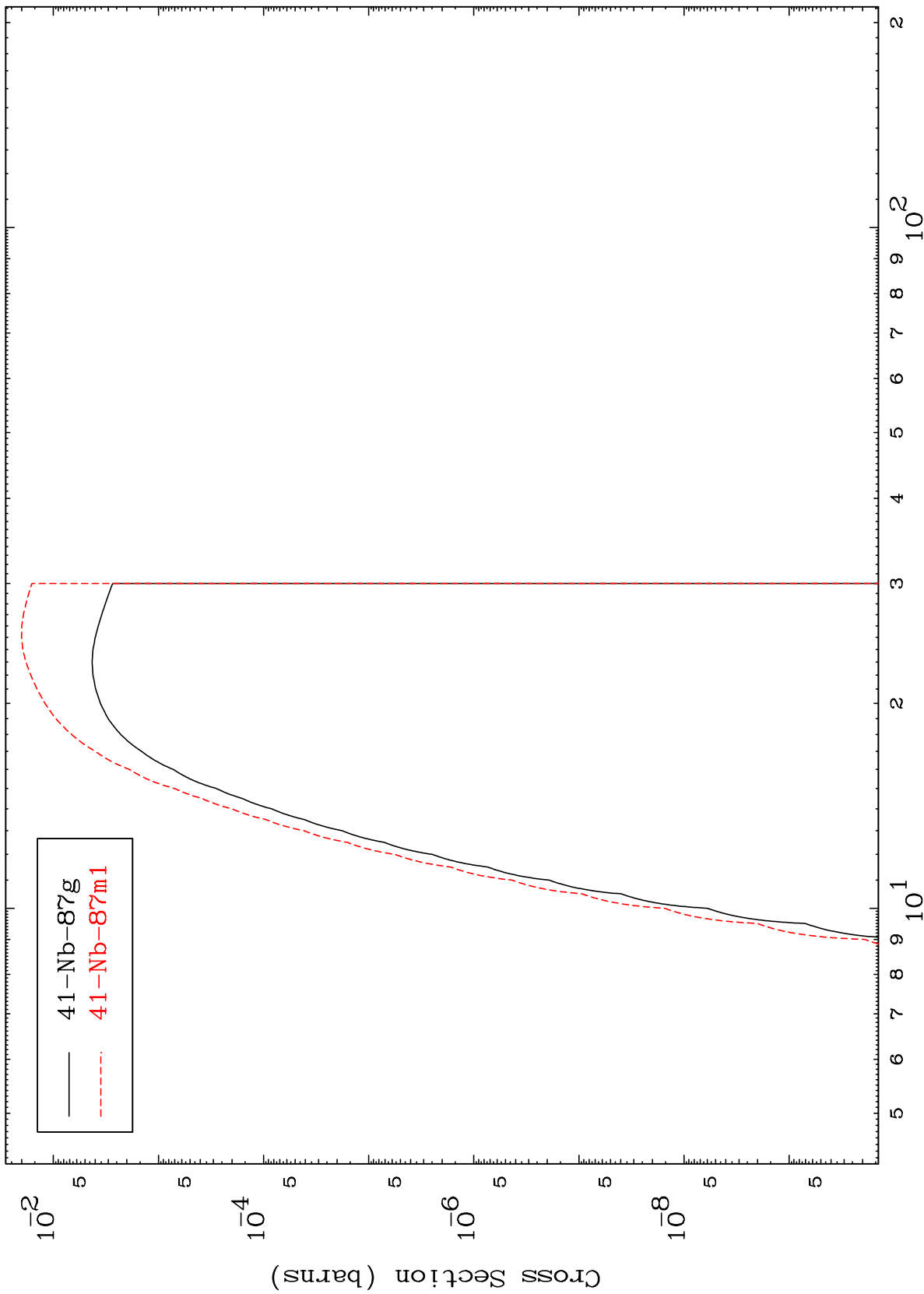
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43-Tc-91

(n,3n)  
Radionuclide Production Cross Section



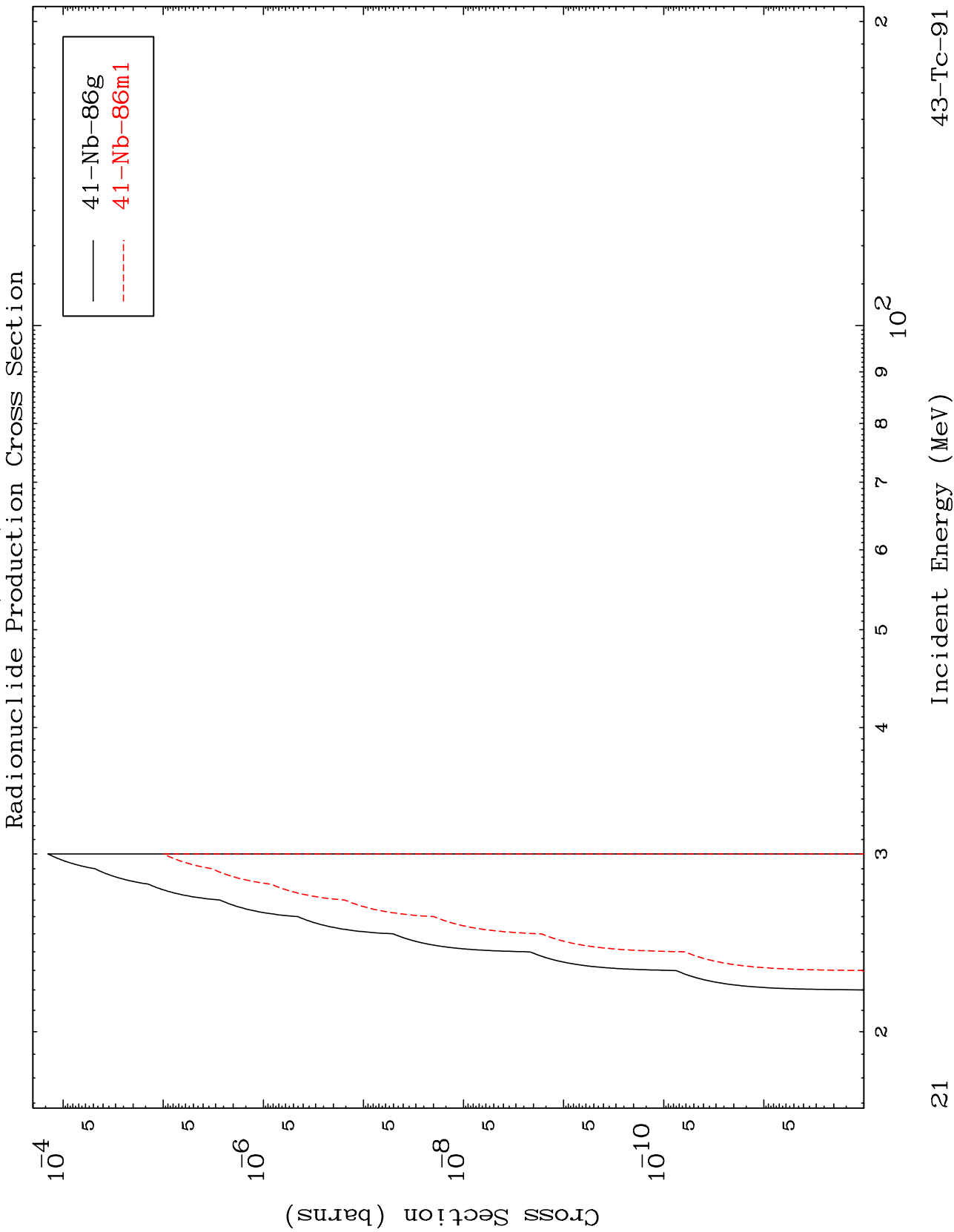
(n,n')  $\alpha$   
Radionuclide Production Cross Section



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(n,2n)  $\alpha$

43-Tc-91



21

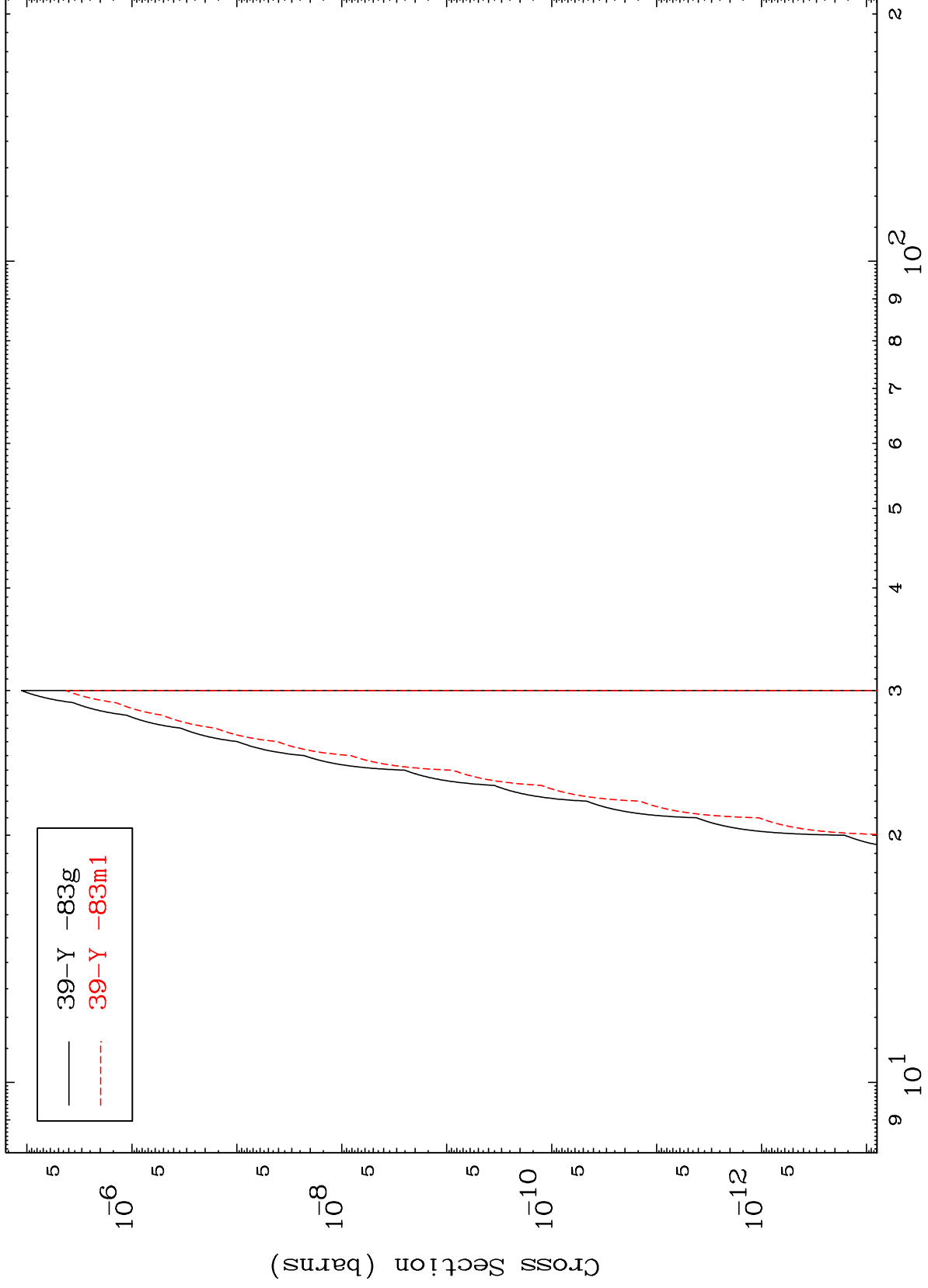
43-Tc-91

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(n,n') 2 $\alpha$

43-Tc-91

Radionuclide Production Cross Section



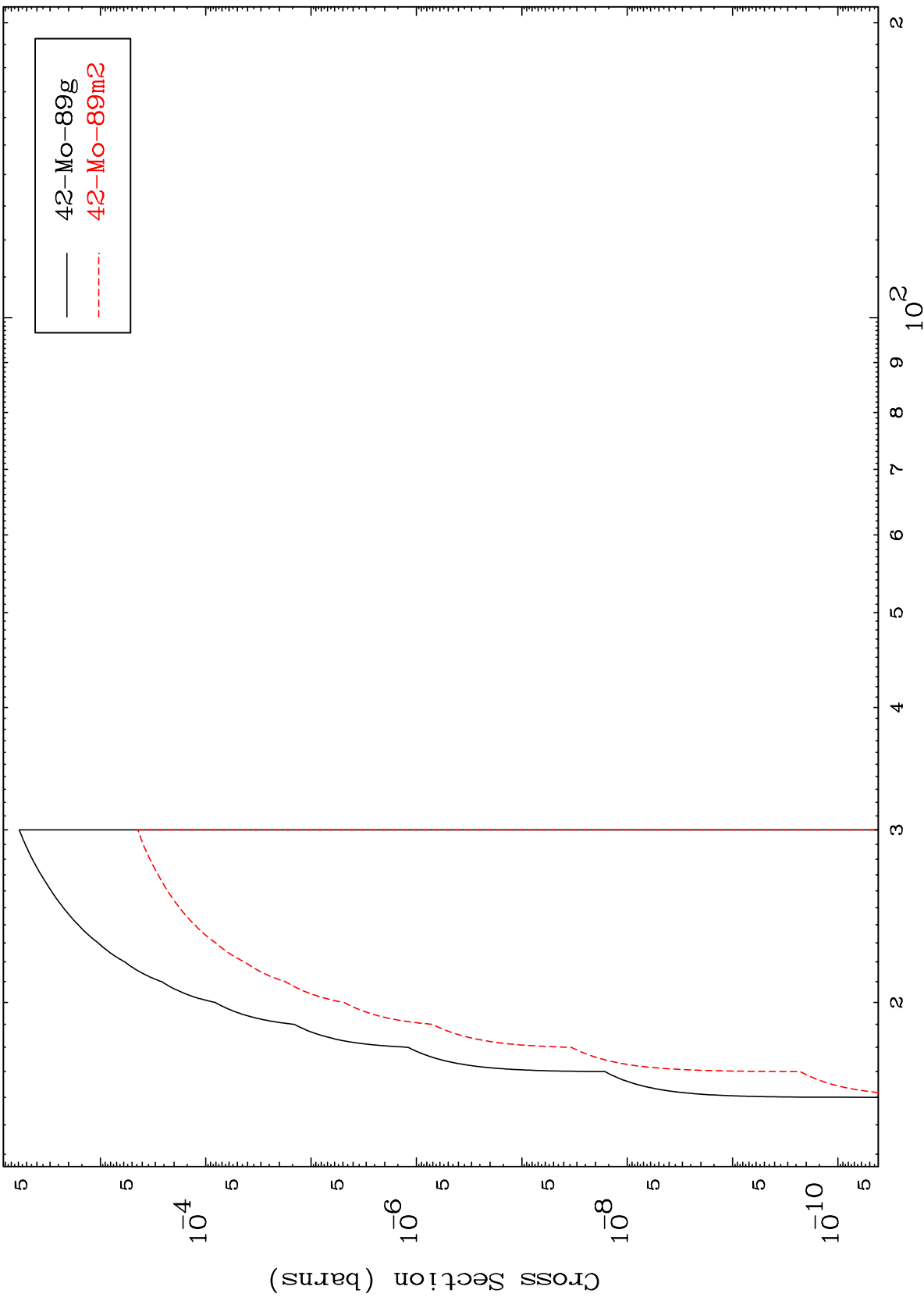
— 39-Y -83g  
- - - 39-Y -83m1

22

Incident Energy (MeV)

43-Tc-91

Radionuclide Production Cross Section

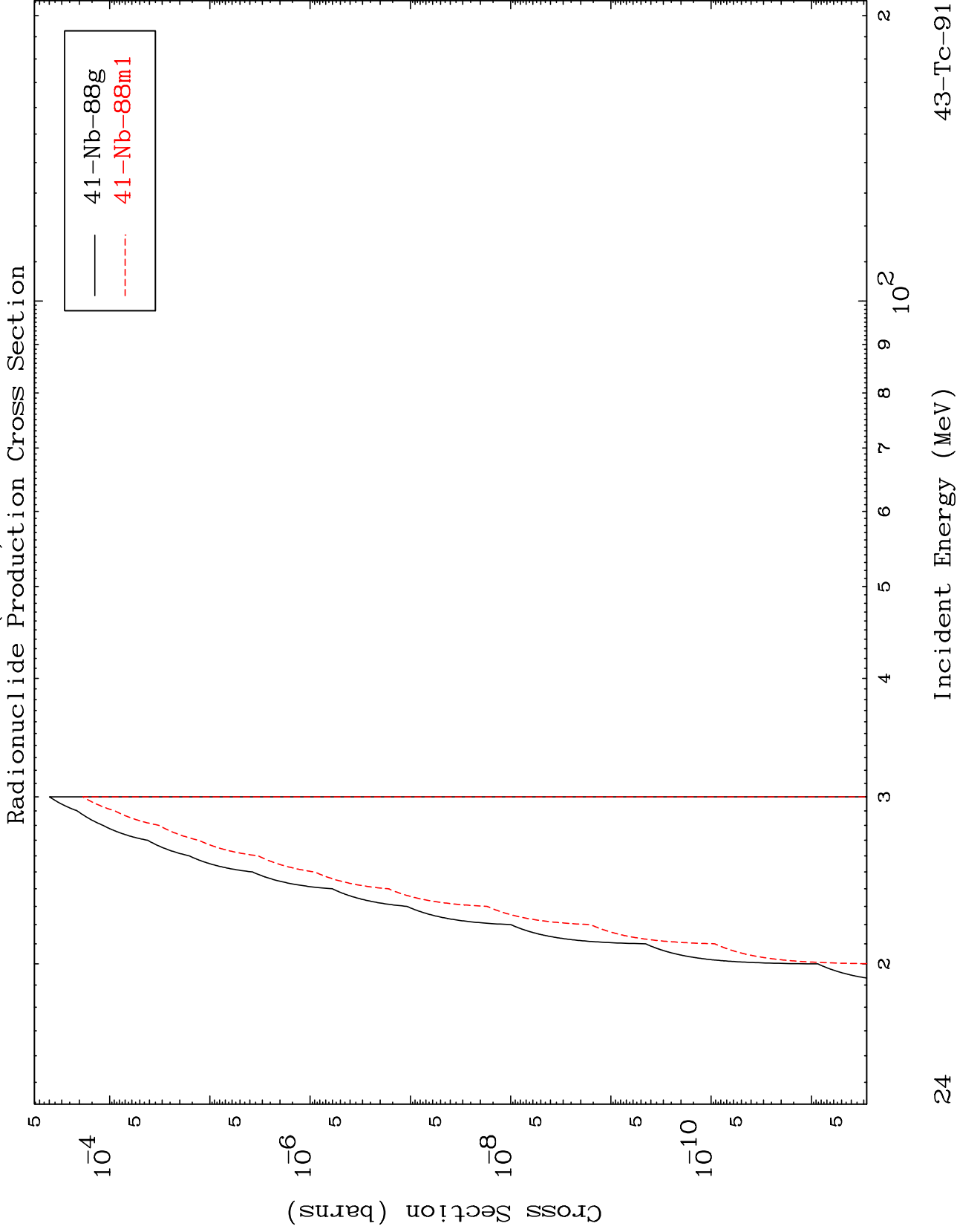




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(n,n') He-3

43-Tc-91

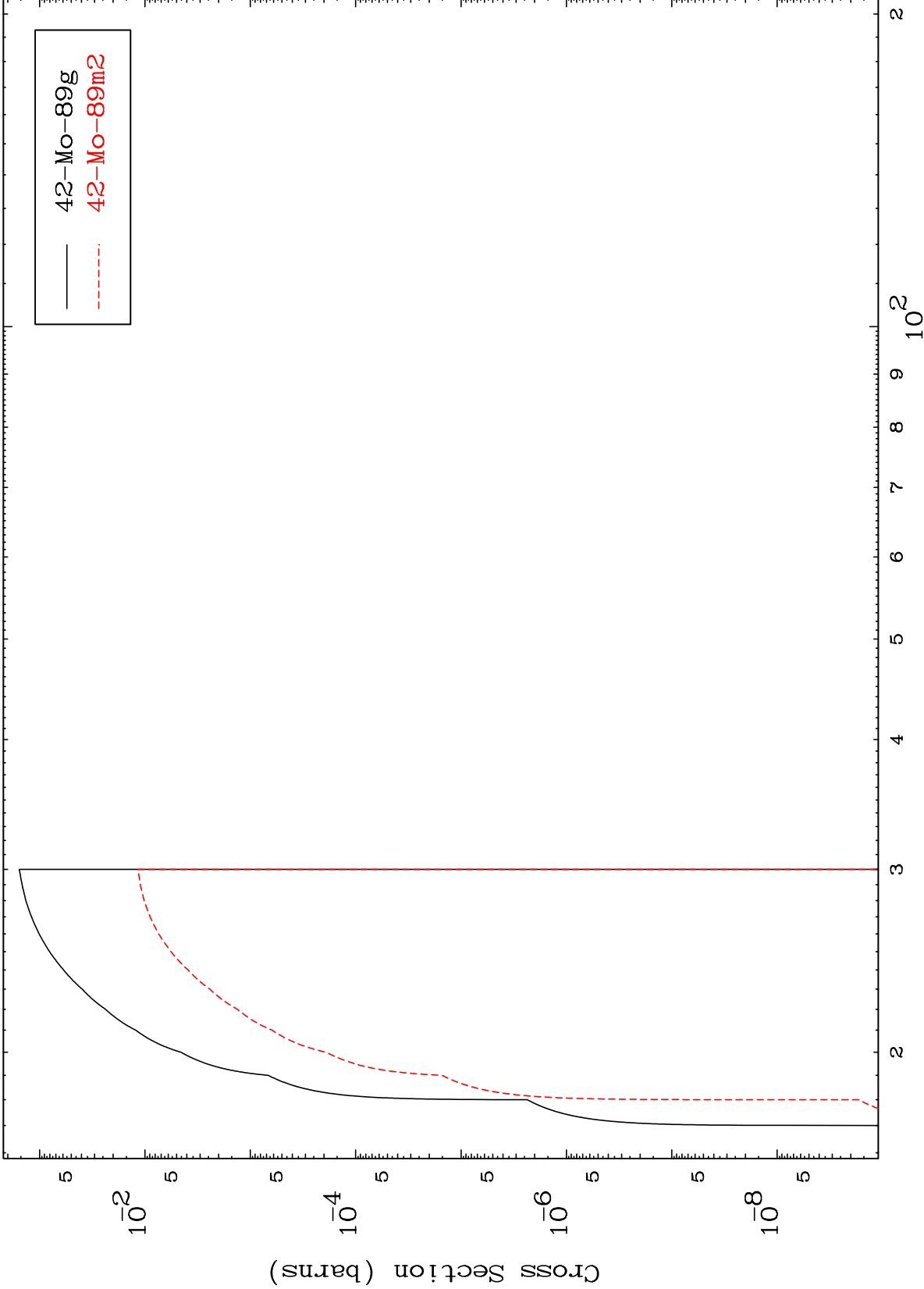


24

Incident Energy (MeV)

43-Tc-91

Radionuclide Production Cross Section

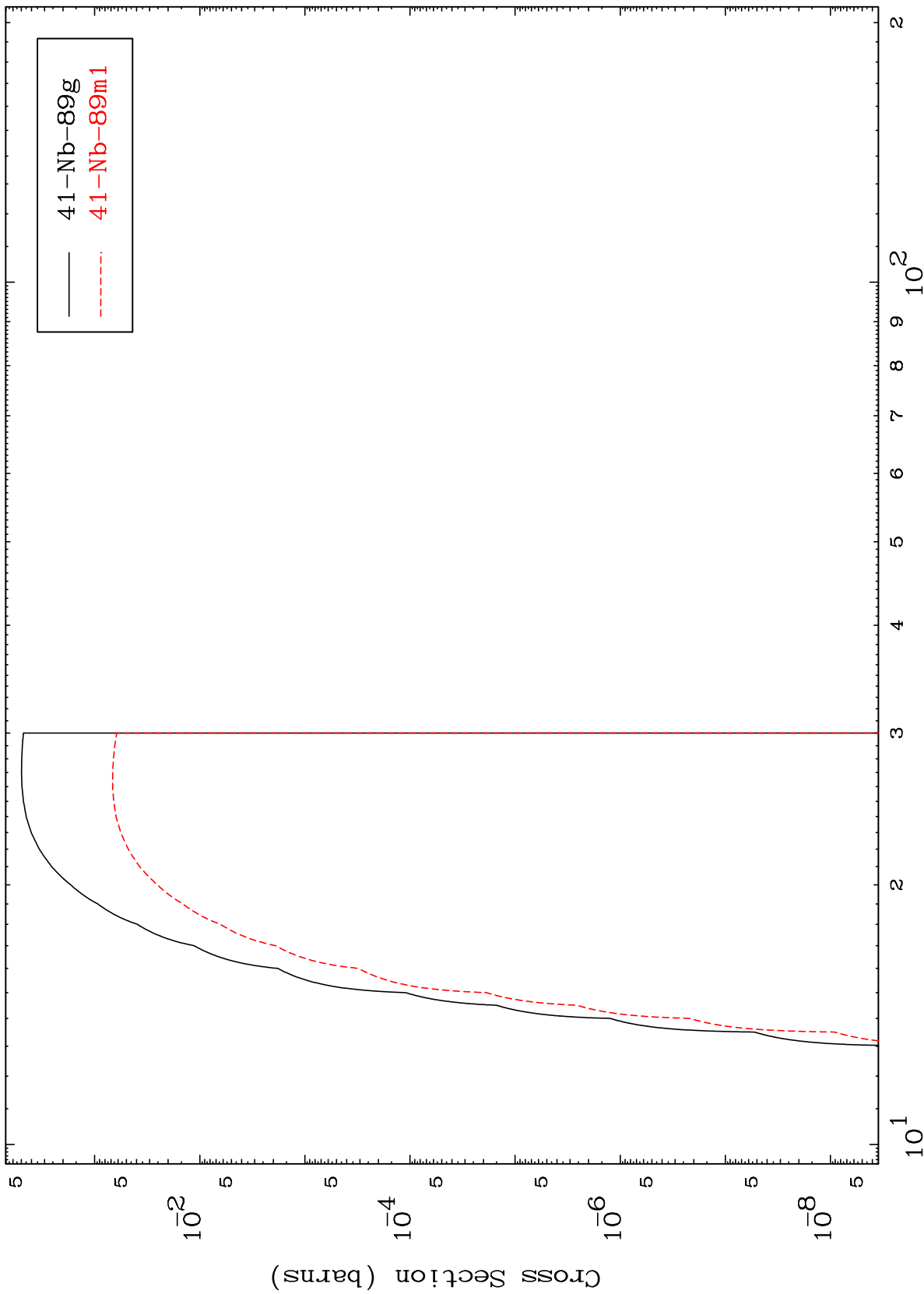


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(n,2n) p

43-Tc-91

Radionuclide Production Cross Section



Incident Energy (MeV)

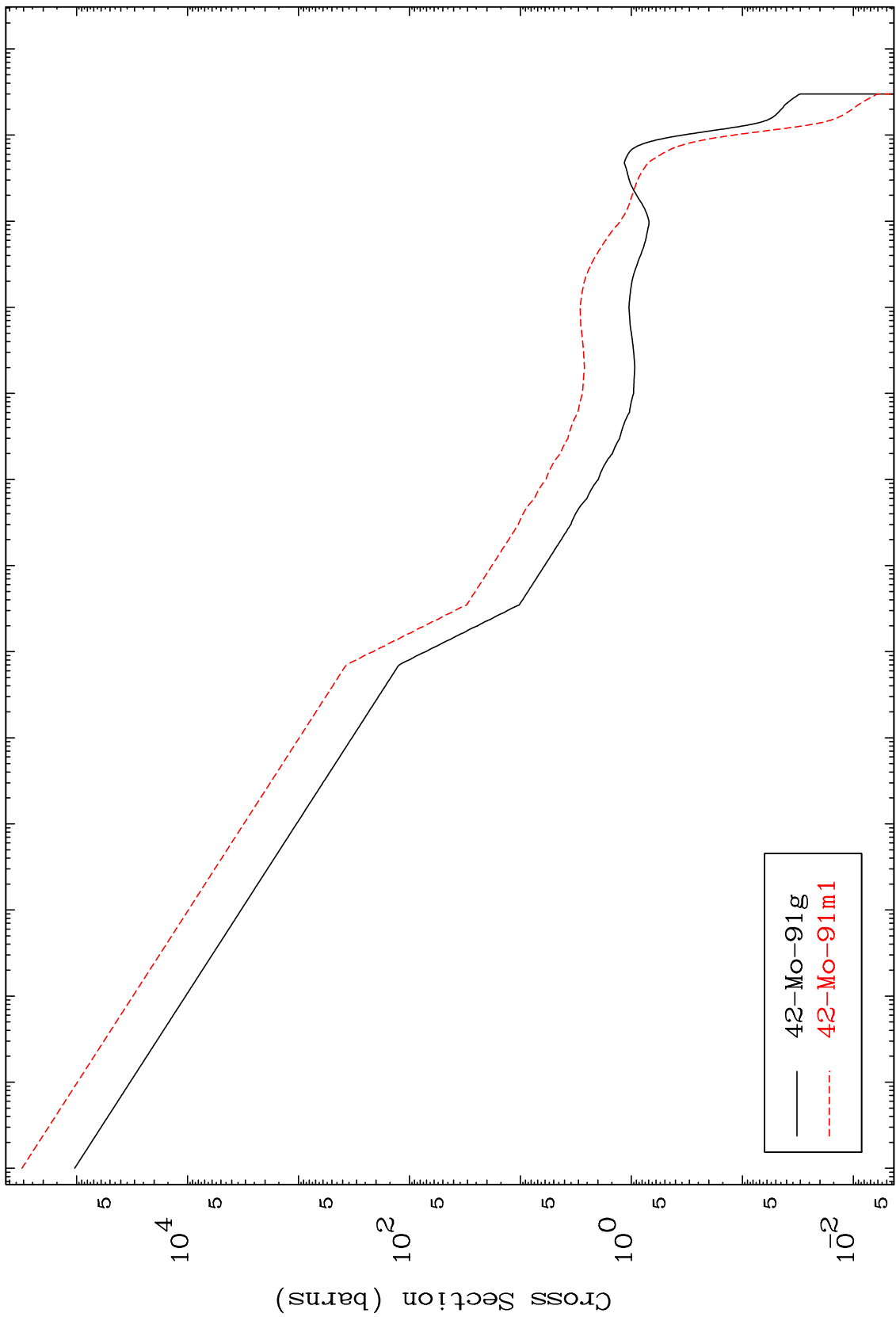
43-Tc-91

26

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43-Tc-91

(n,p)  
Radionuclide Production Cross Section



— 42-Mo-91 g  
- - - 42-Mo-91 ml

43-Tc-91

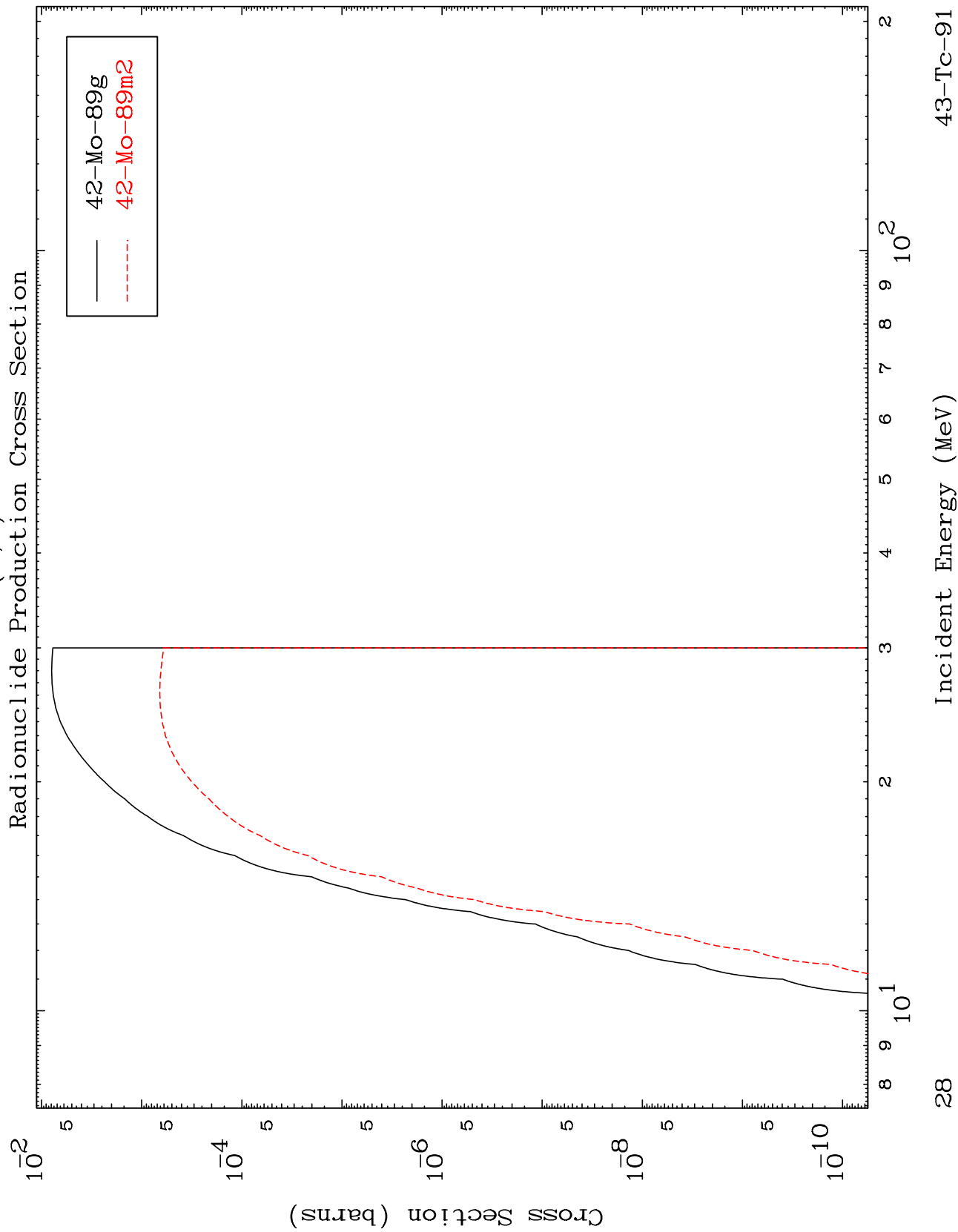
Incident Energy (MeV)

27

MAT 4302

(n, t)

43-Tc-91



28

43-Tc-91

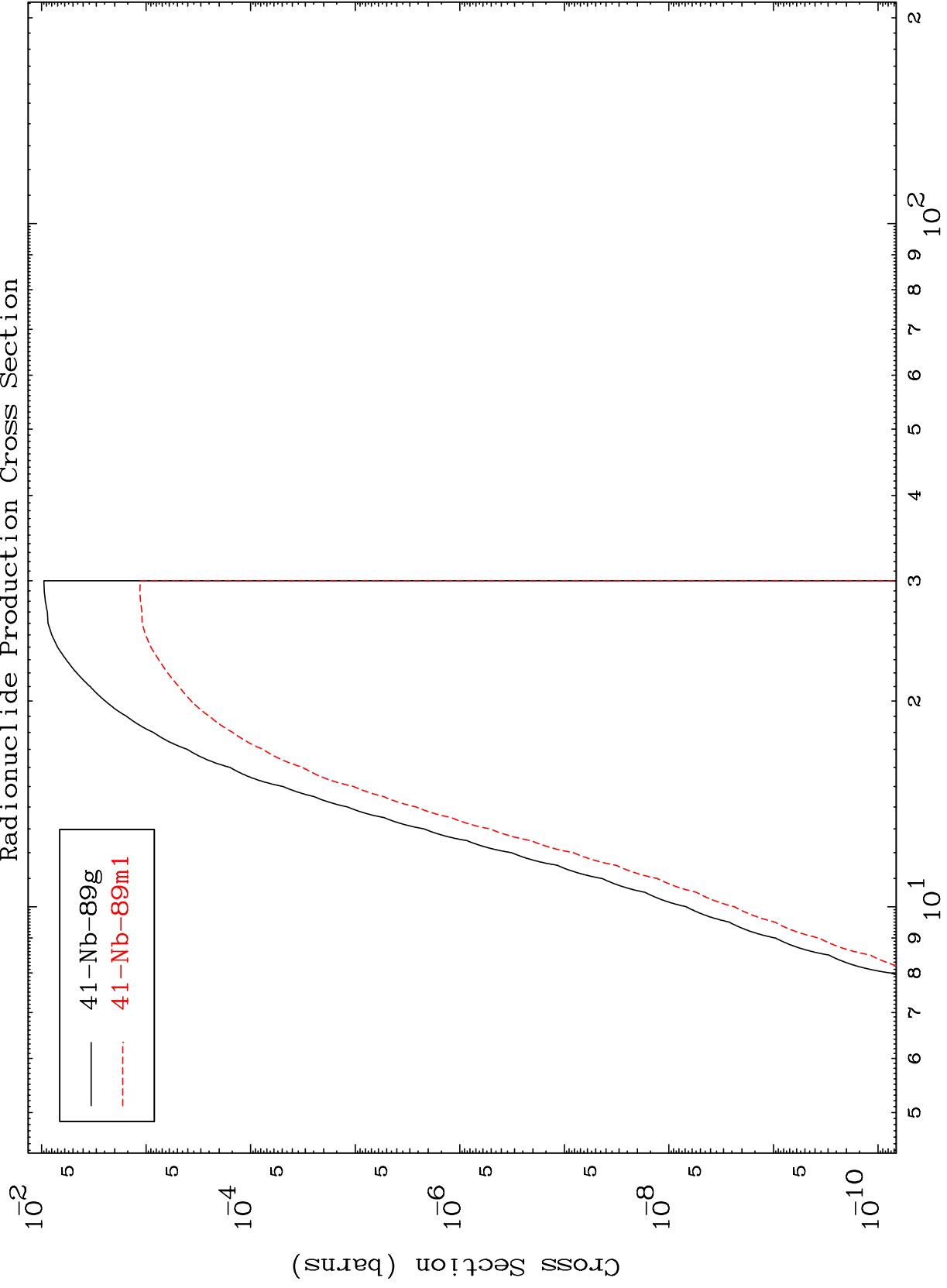
43-Tc-91

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(n,He-3)

43-Tc-91

Radionuclide Production Cross Section



29

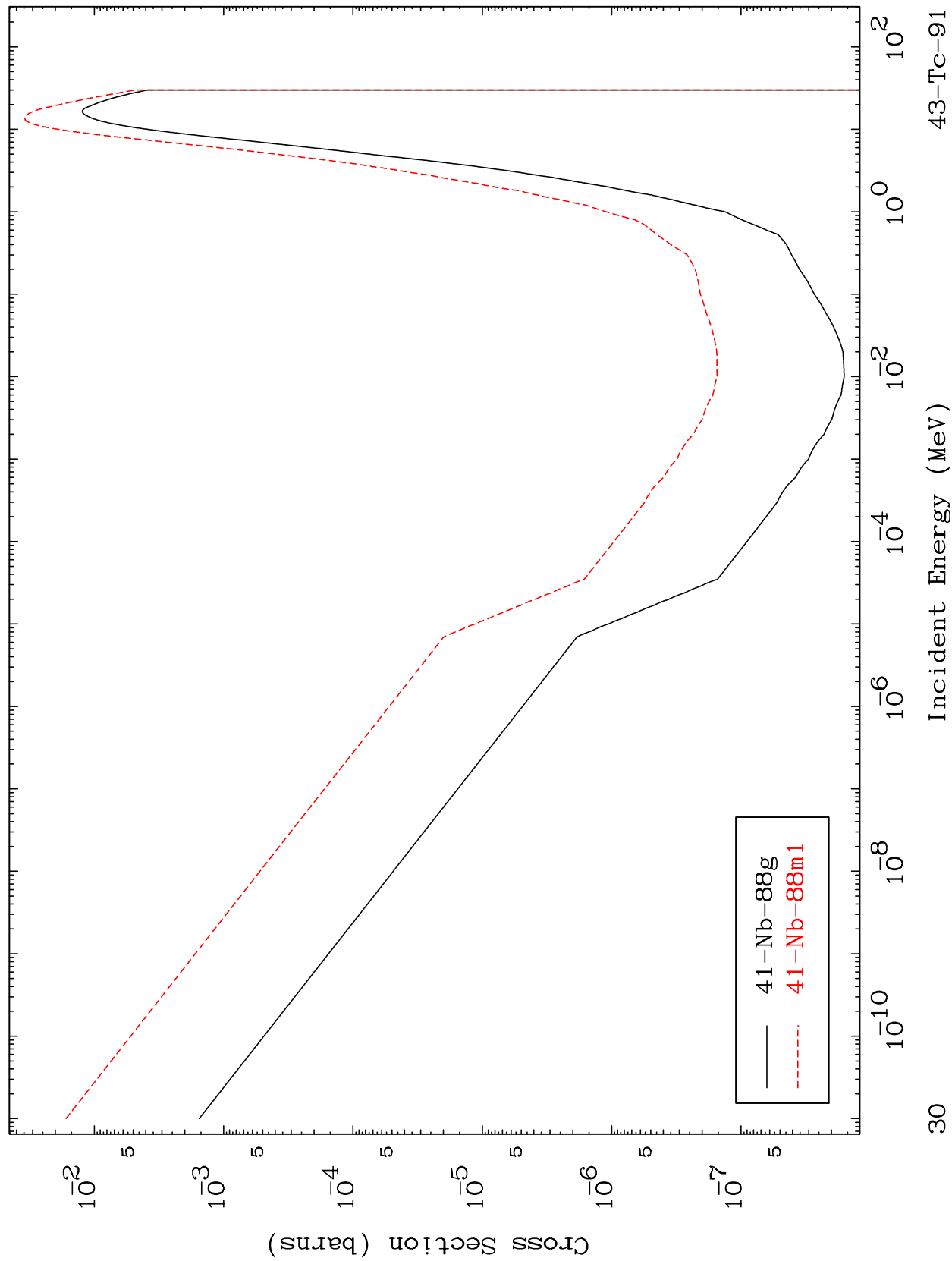
Incident Energy (MeV)

43-Tc-91

MAT 4302

43-Tc-91

(n,α)  
Radionuclide Production Cross Section



30

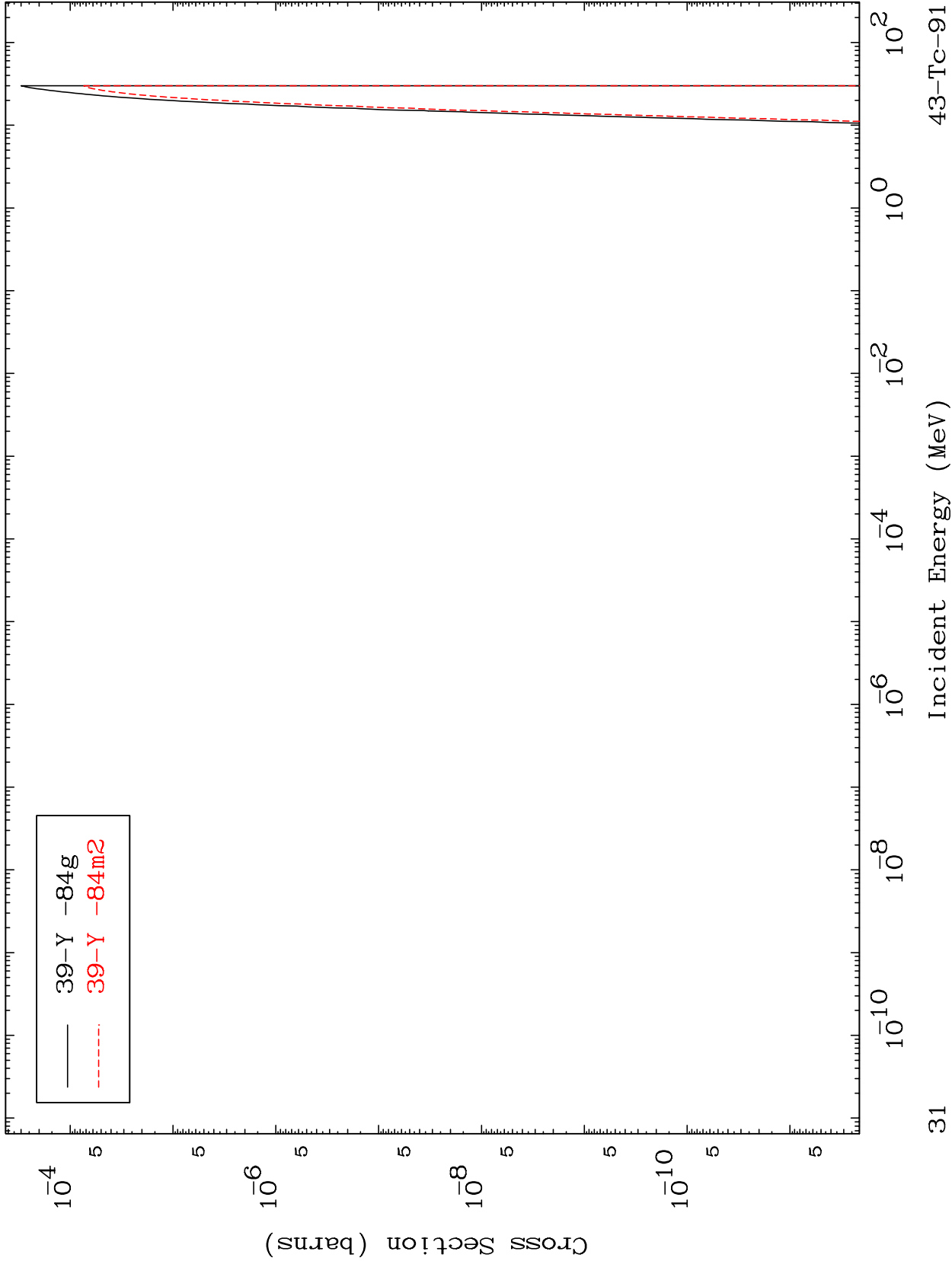
43-Tc-91

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(n,2α)

43-Tc-91

Radionuclide Production Cross Section

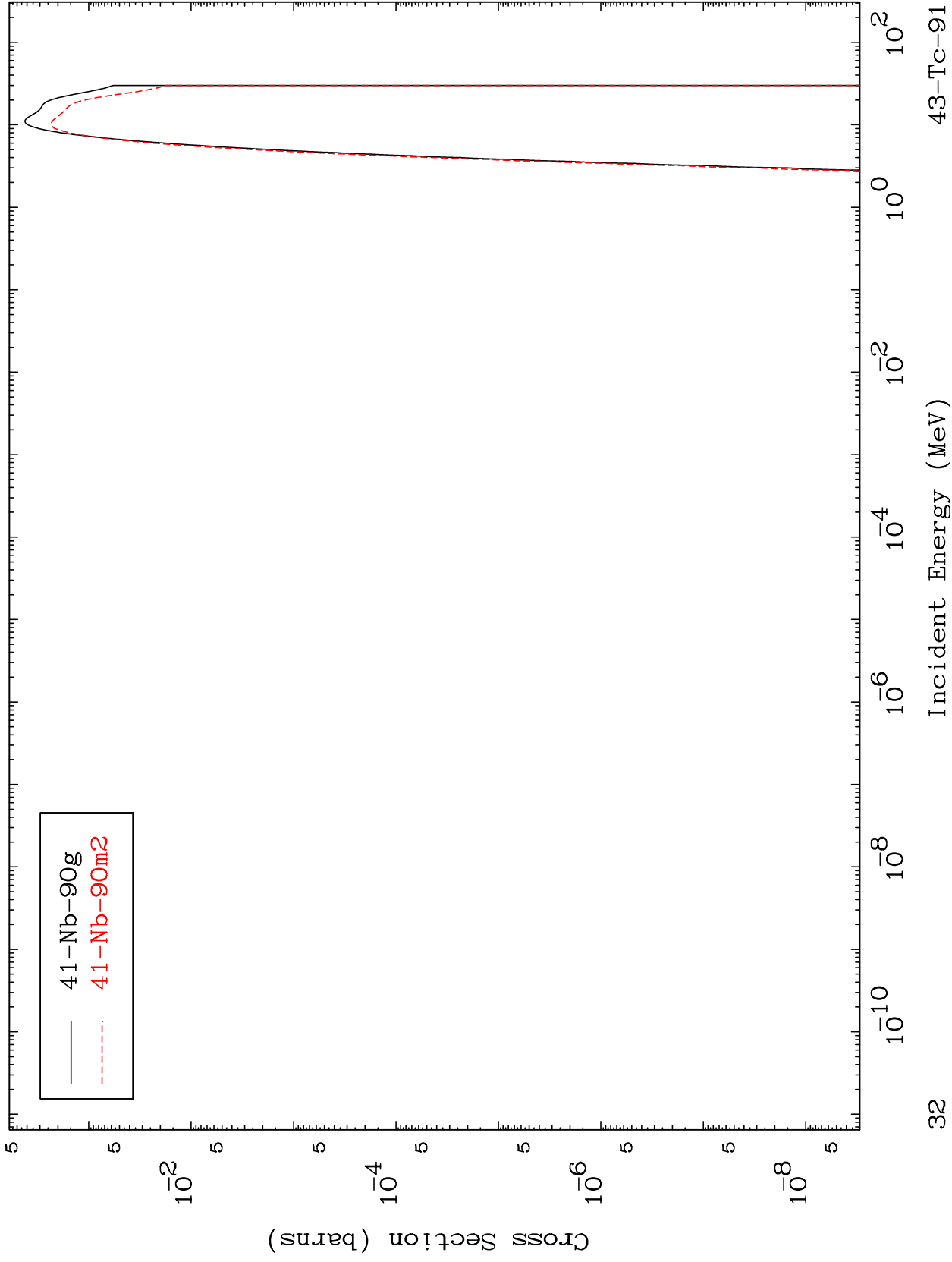




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43-Tc-91

(n,2p)  
Radionuclide Production Cross Section

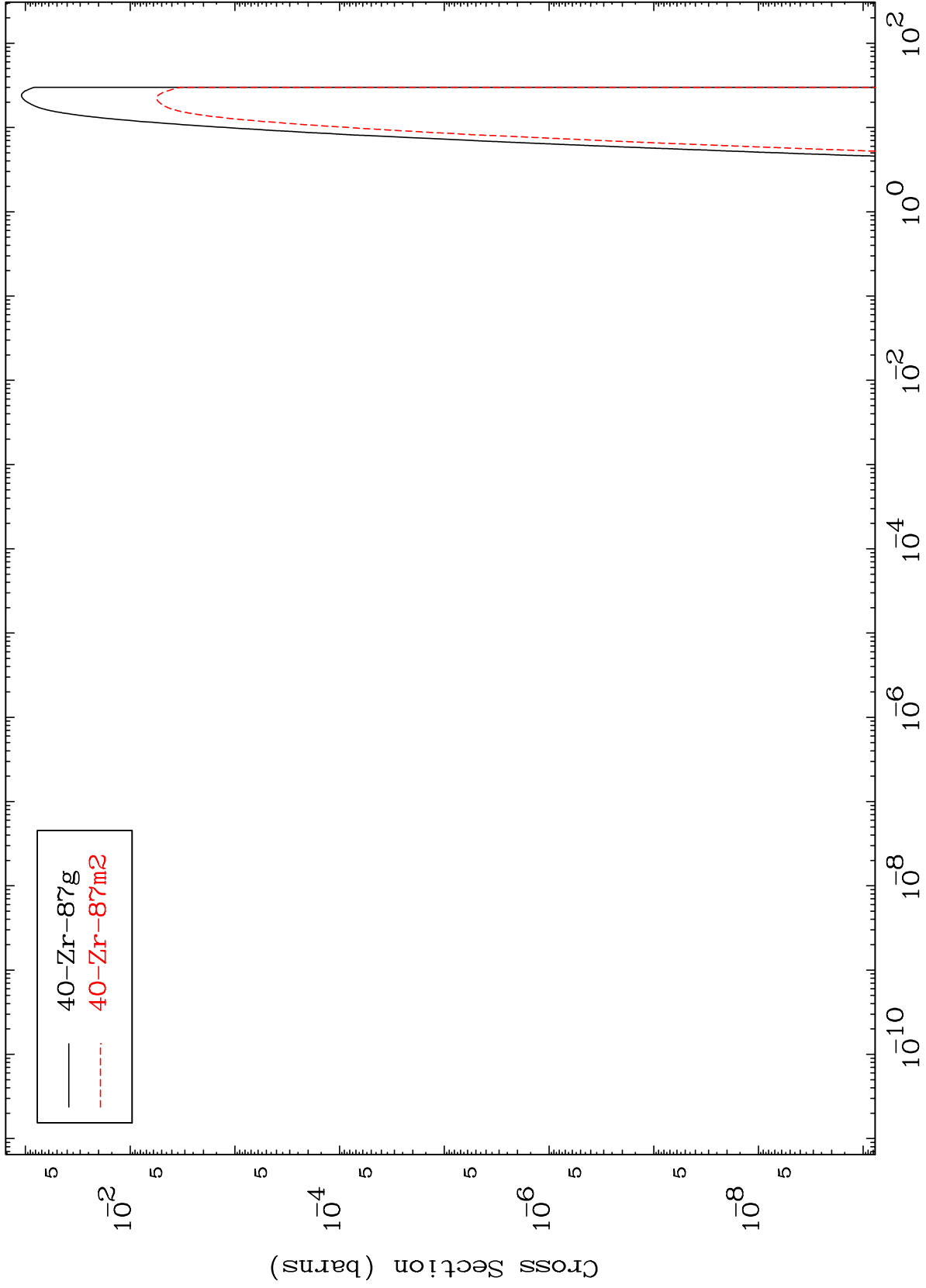


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(n,p)  $\alpha$

43-Tc-91

Radionuclide Production Cross Section



33

Incident Energy (MeV)

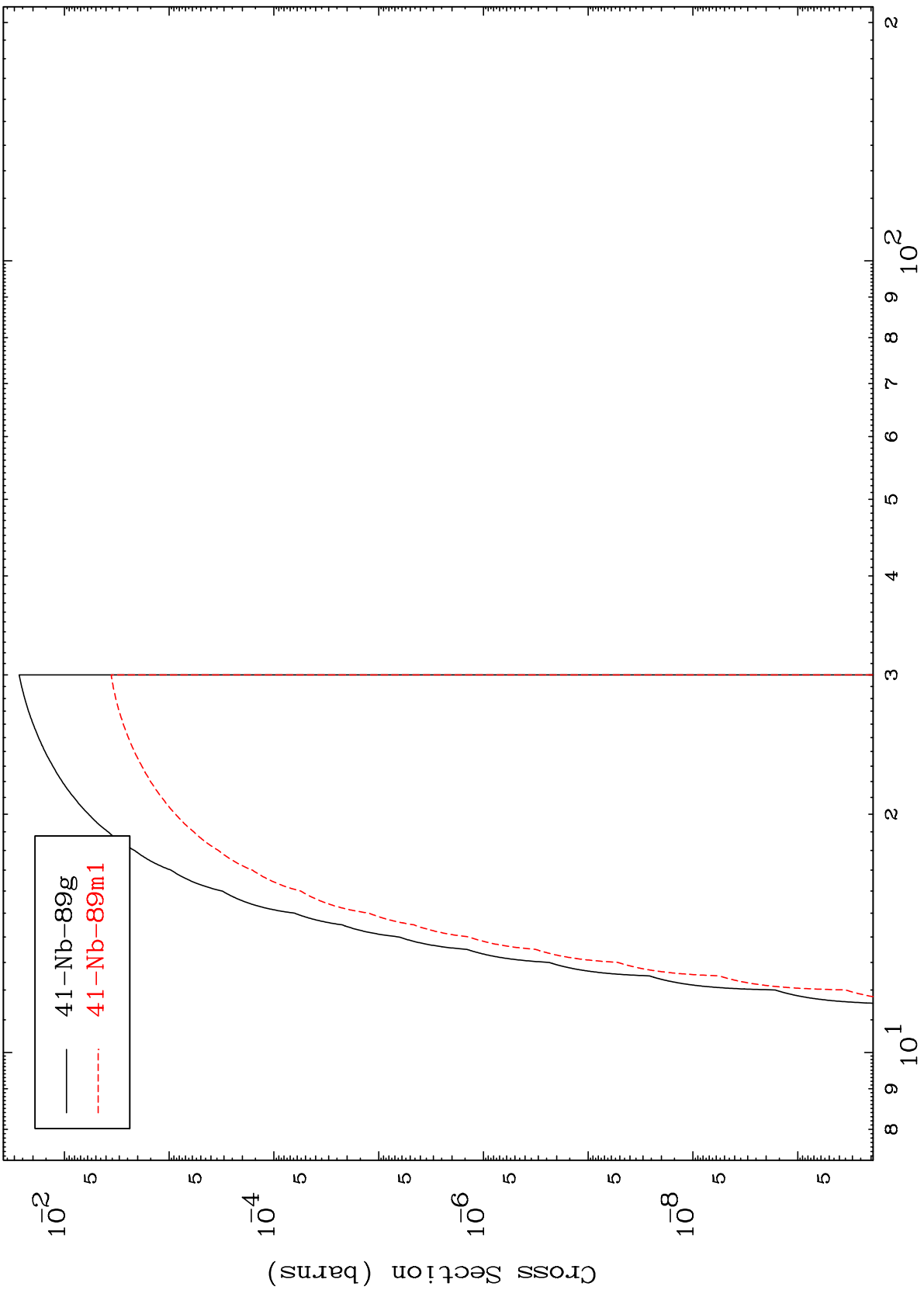
43-Tc-91

MAT 4302

(n,p) d

43-Tc-91

Radionuclide Production Cross Section



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

Incident Energy (MeV)

43-Tc-91

34

