

Program EVALPLOT  
(Version 2015-2)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

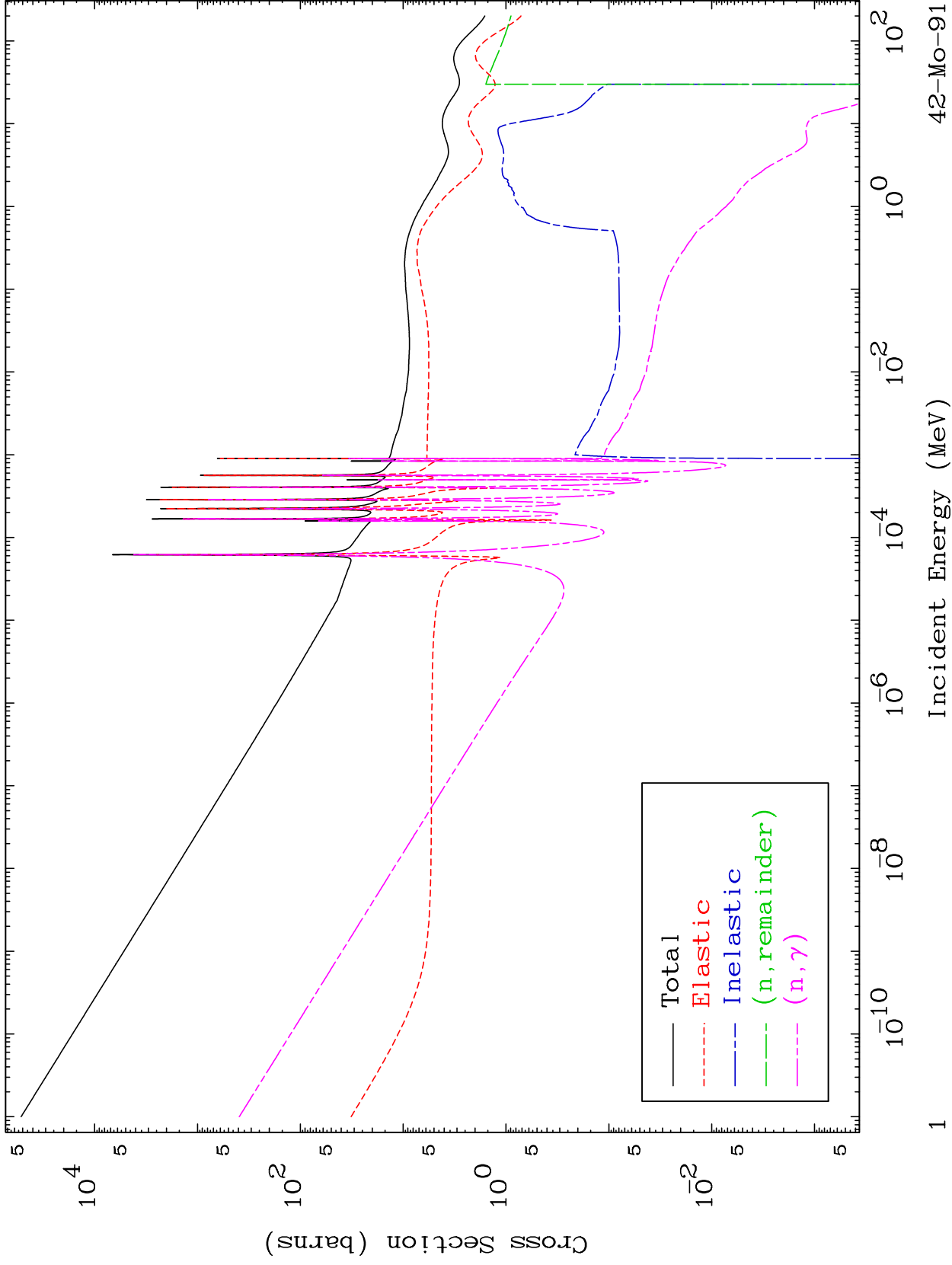
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

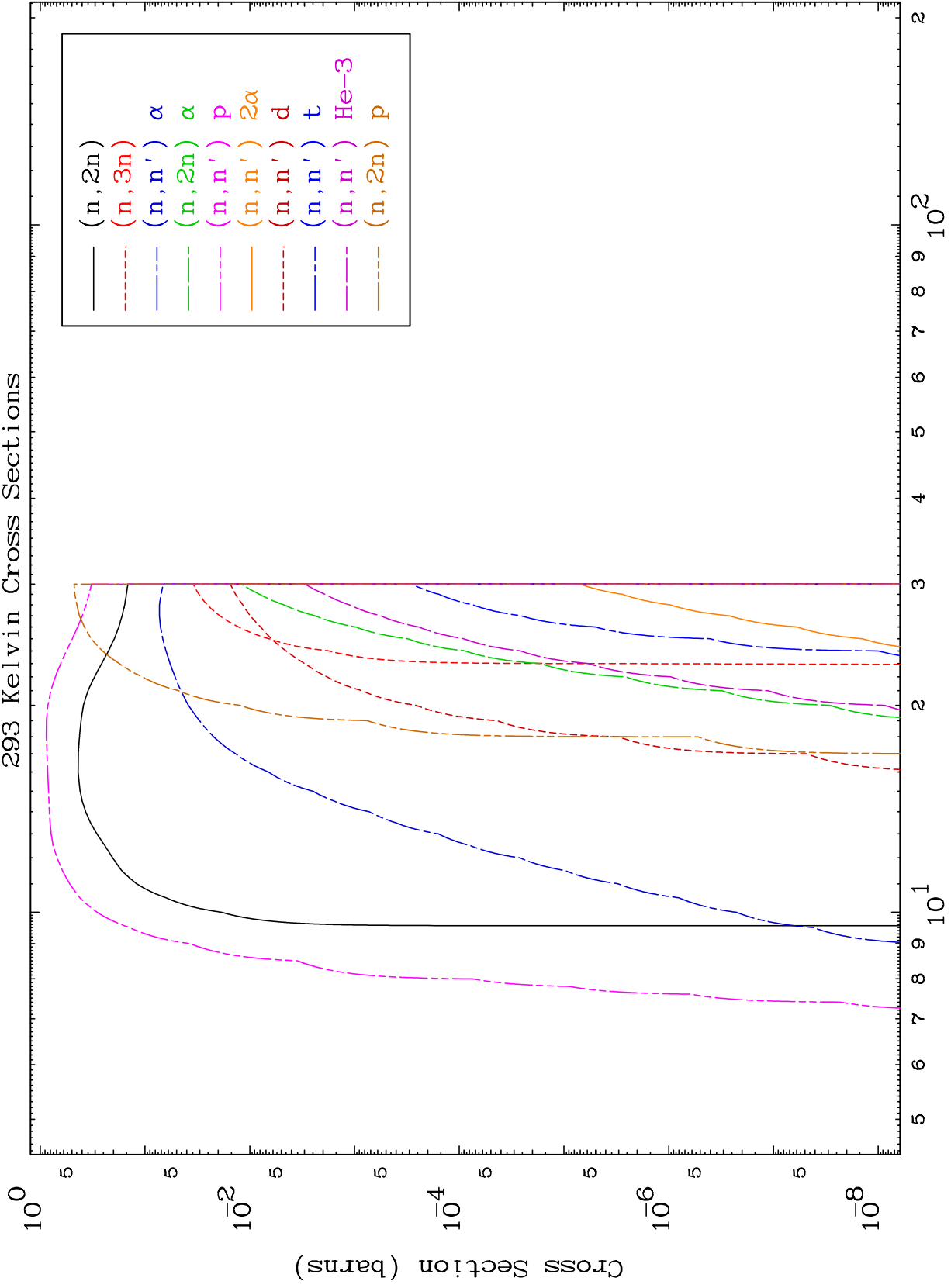
Press Mouse Button to Start

MAT 4223

Major  
293 Kelvin Cross Sections

42-Mo-91

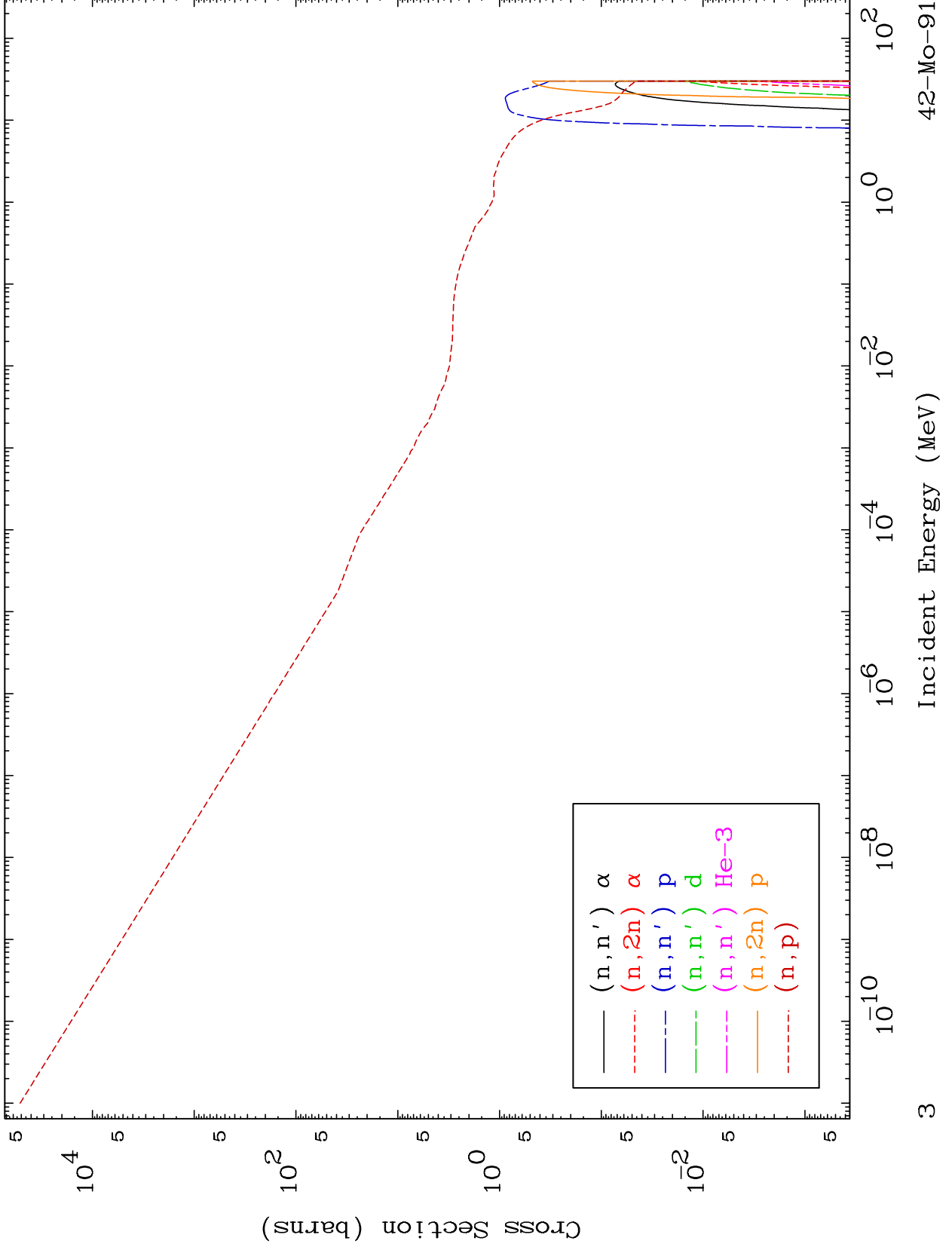




MAT 4223

Charged Particle  
293 Kelvin Cross Sections

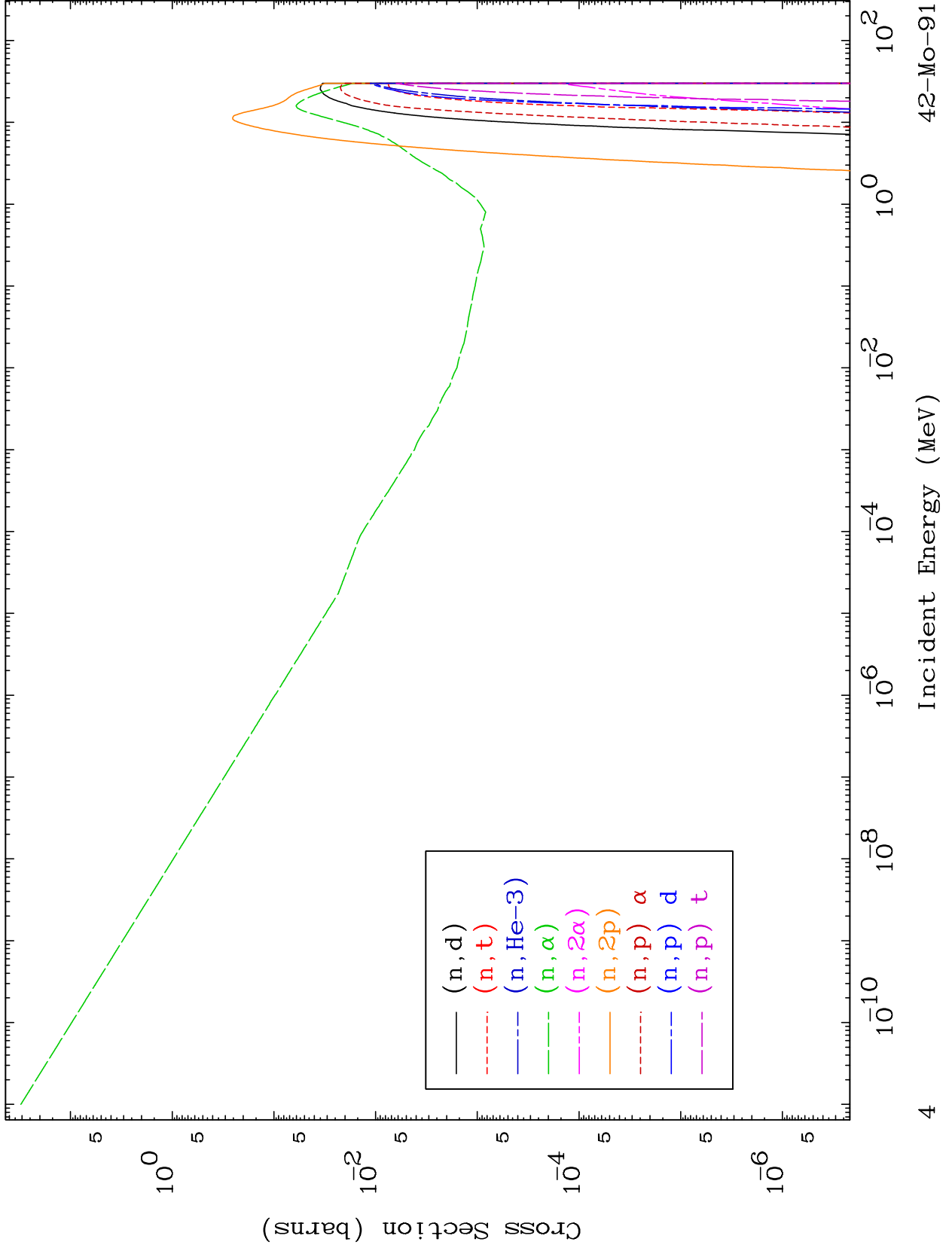
42-Mo-91

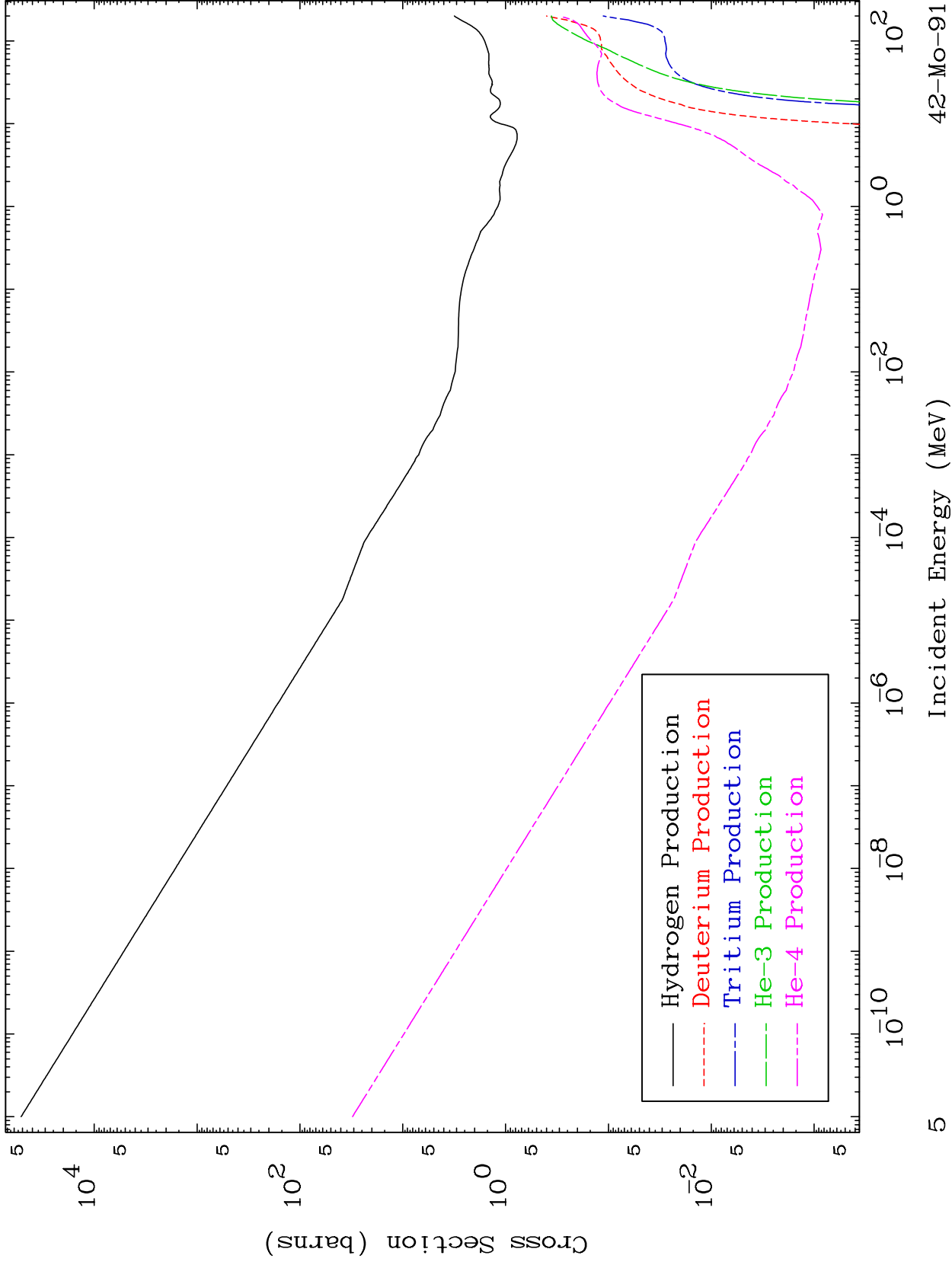


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Charged Particle  
293 Kelvin Cross Sections

42-Mo-91

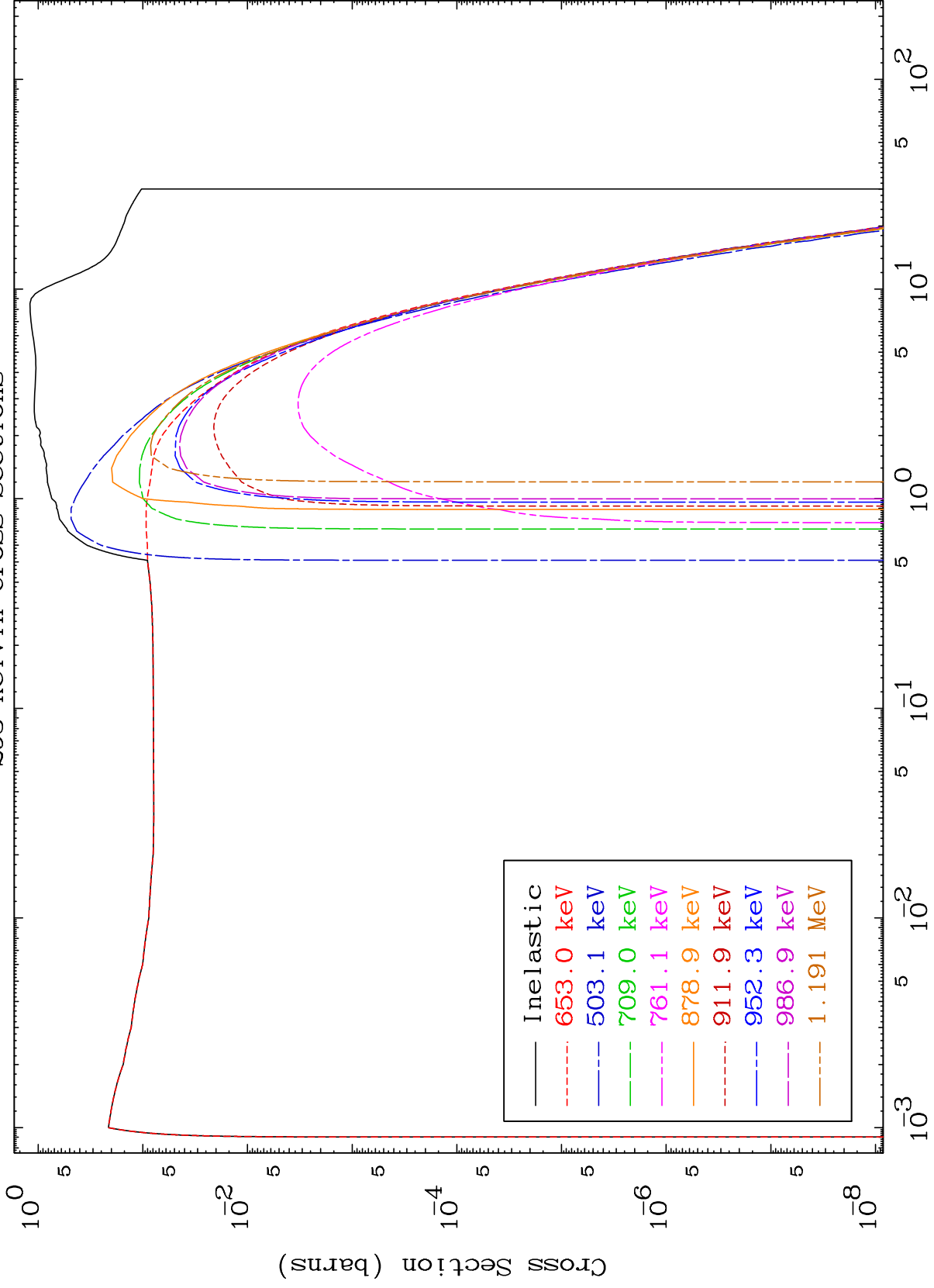




MAT 4223

(n,n') Level  
293 Kelvin Cross Sections

42-Mo-91



6

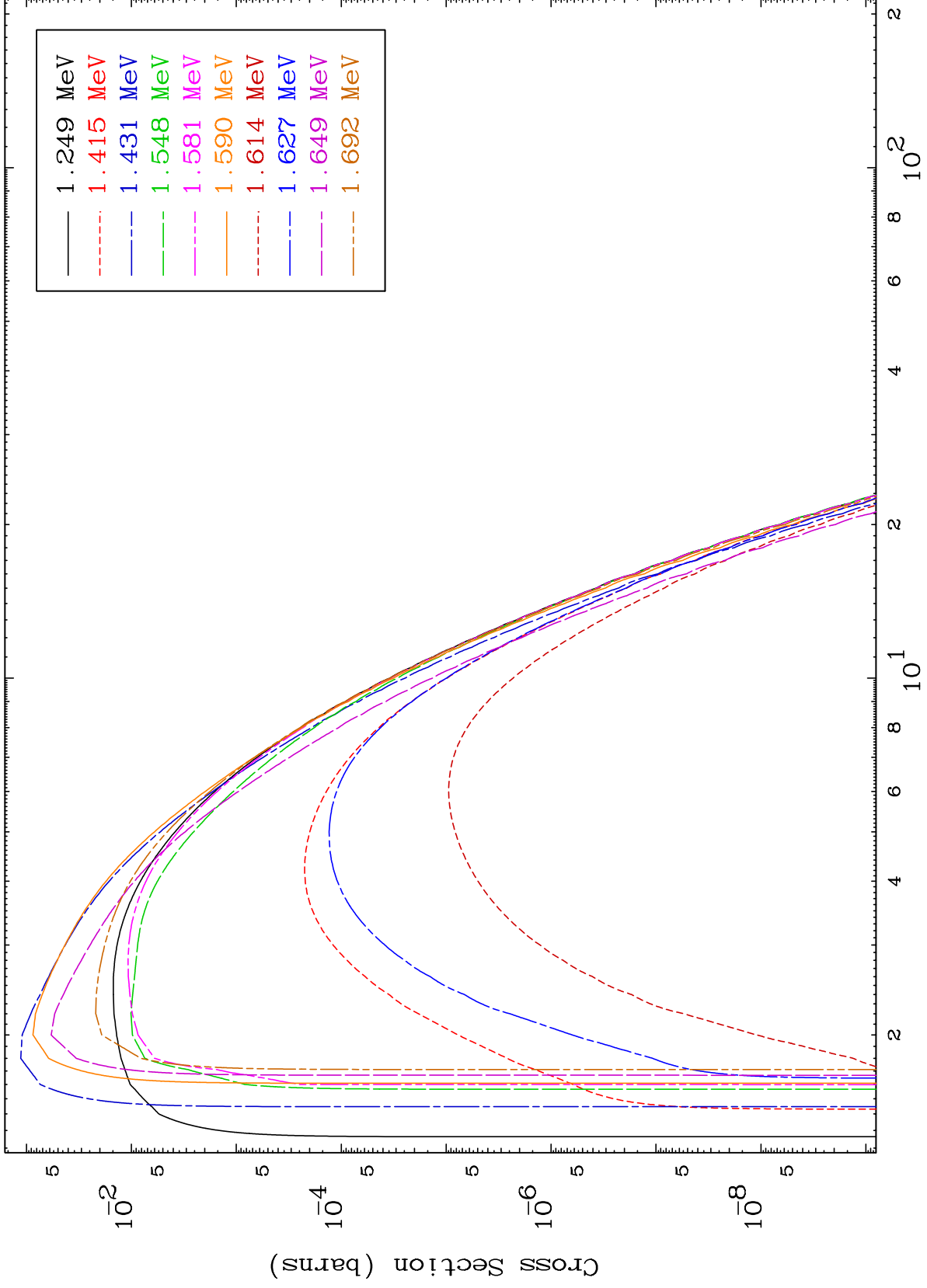
Incident Energy (MeV)

42-Mo-91

MAT 4223

(n,n') Level  
293 Kelvin Cross Sections

42-Mo-91



7

Incident Energy (MeV)

42-Mo-91

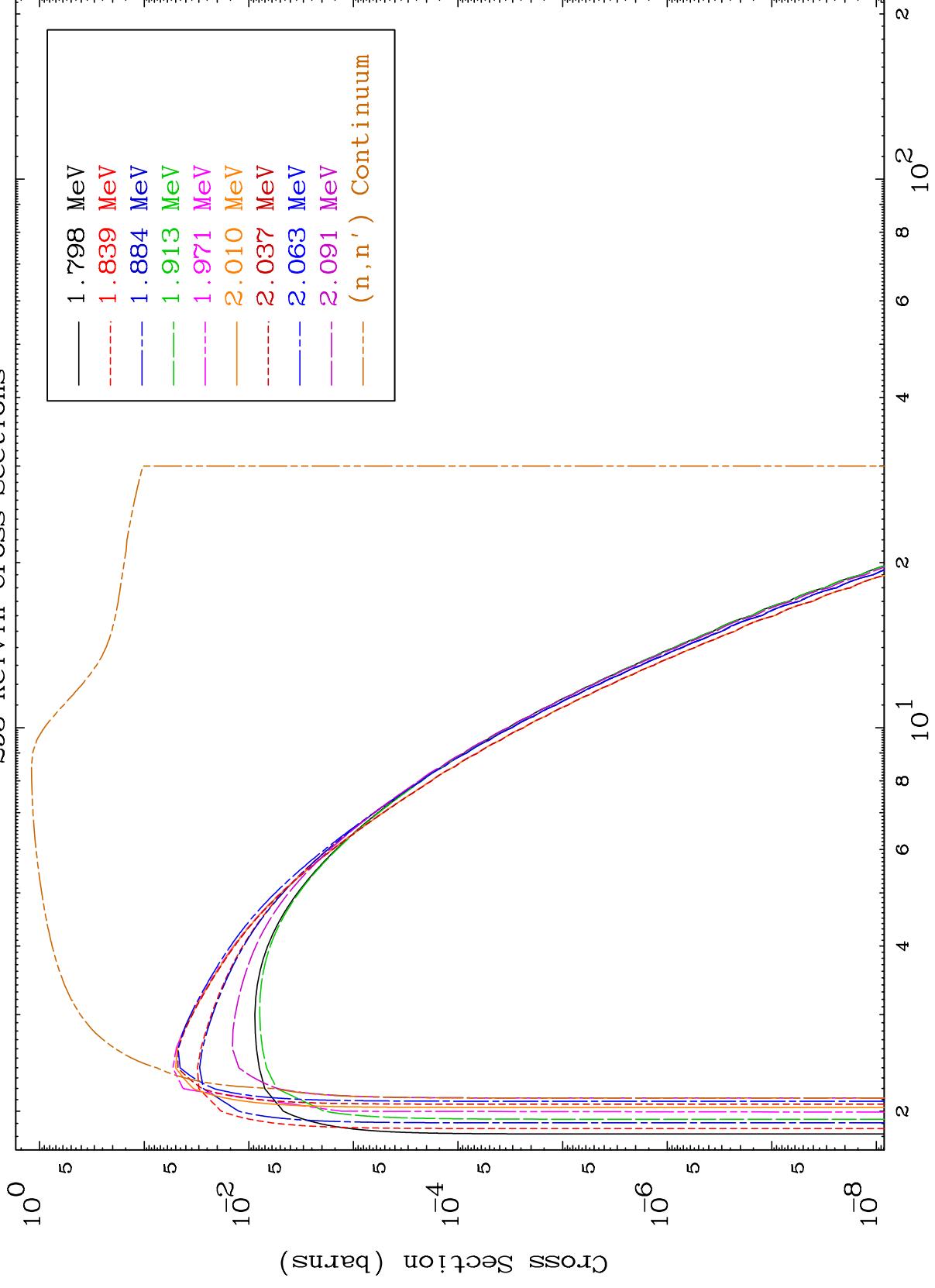


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(n,n') Level

42-Mo-91

293 Kelvin Cross Sections



8

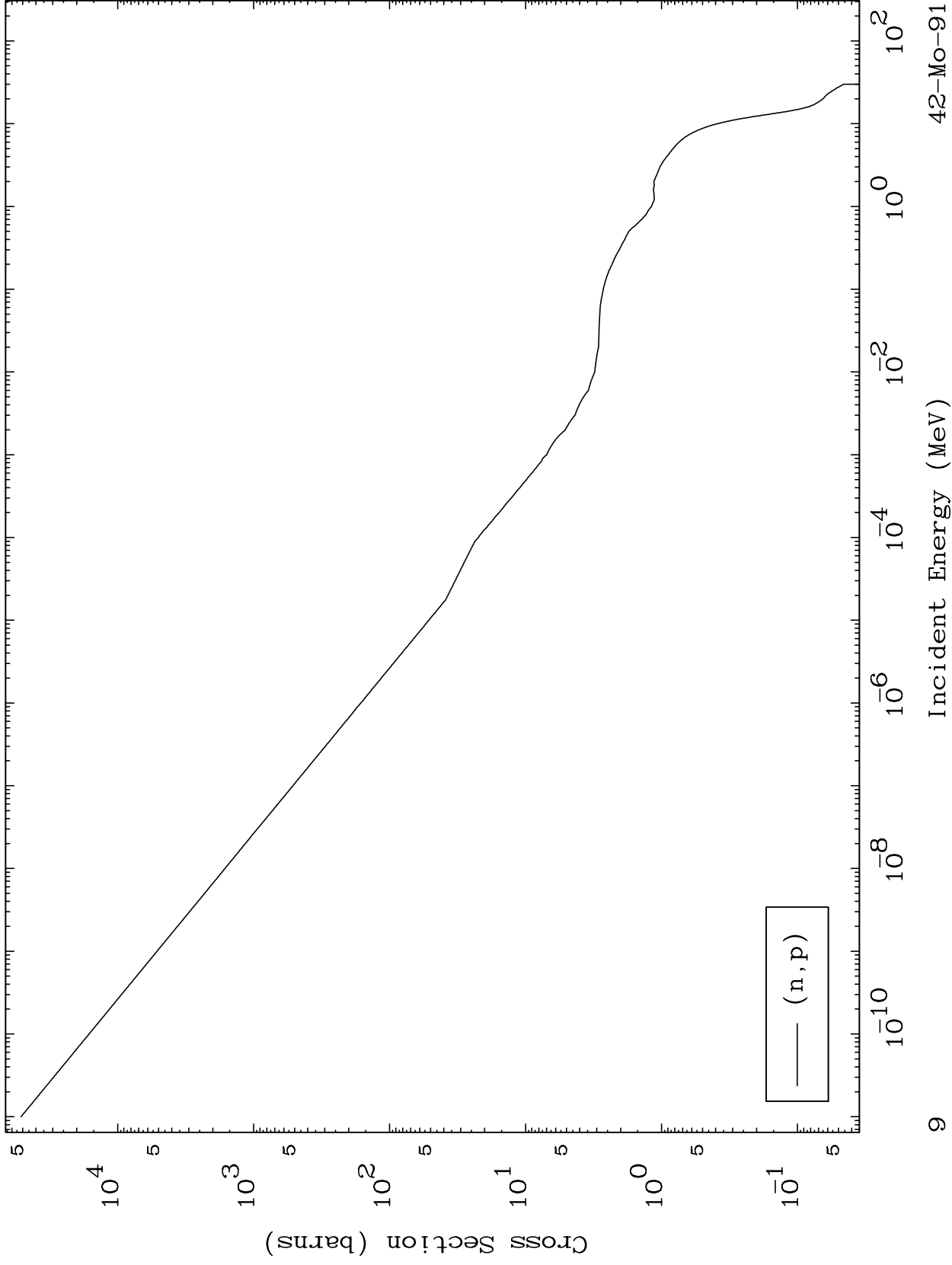
Incident Energy (MeV)

42-Mo-91

MAT 4223

(n,p) Levels  
293 Kelvin Cross Sections

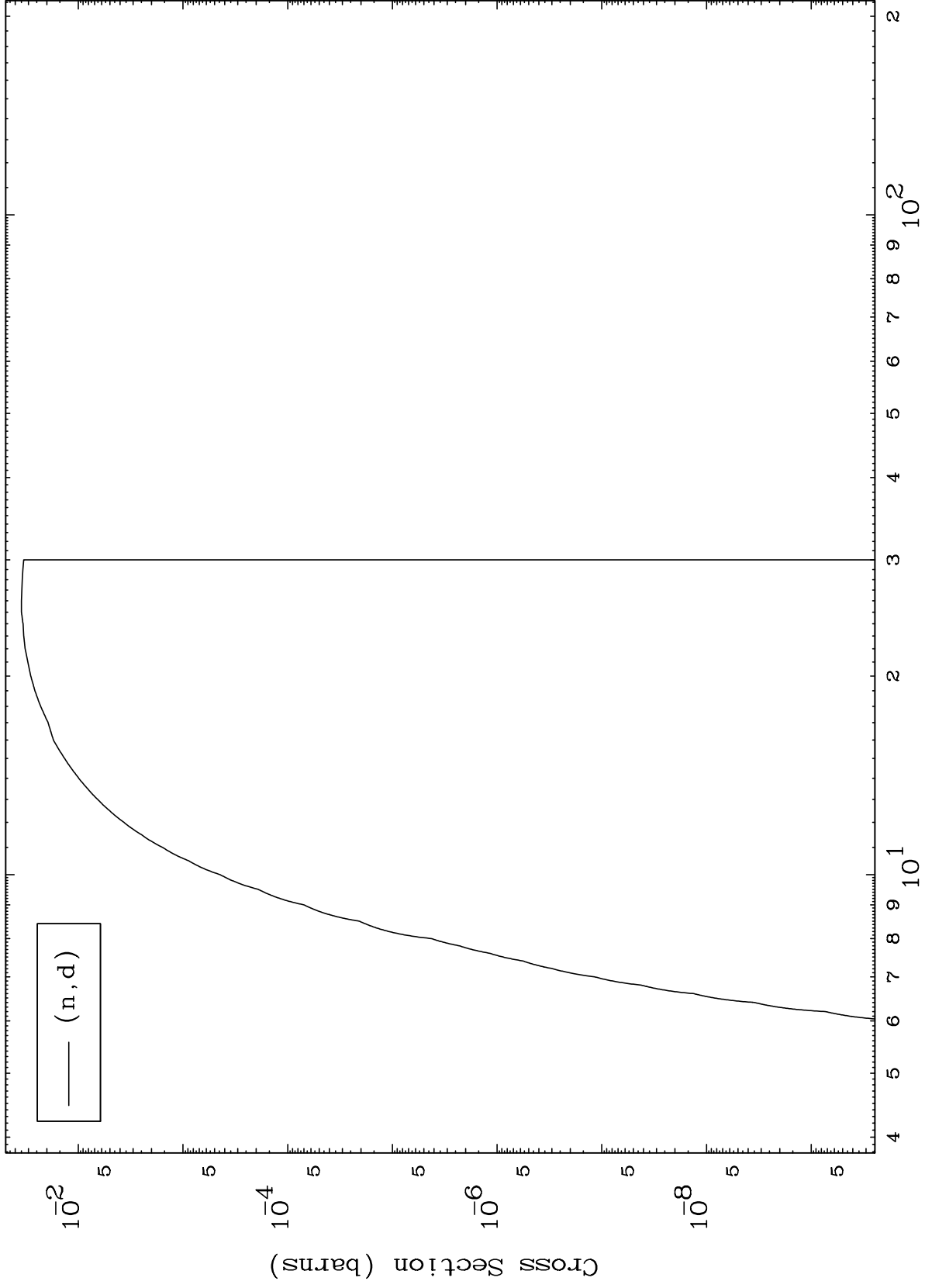
42-Mo-91



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(n,d) Levels  
293 Kelvin Cross Sections

42-Mo-91



10

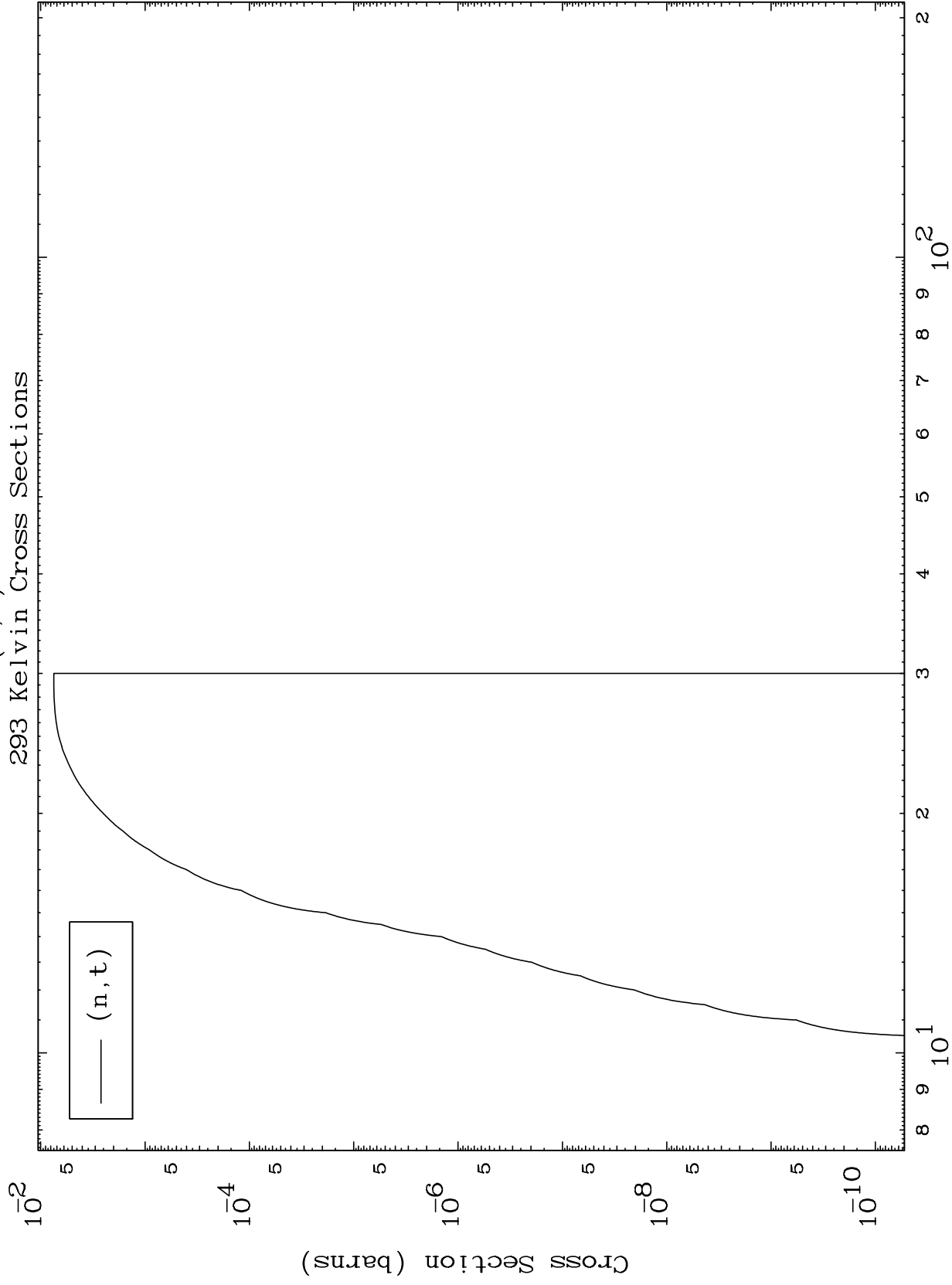
Incident Energy (MeV)

42-Mo-91

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42-Mo-91

(n,t) Levels  
293 Kelvin Cross Sections



42-Mo-91

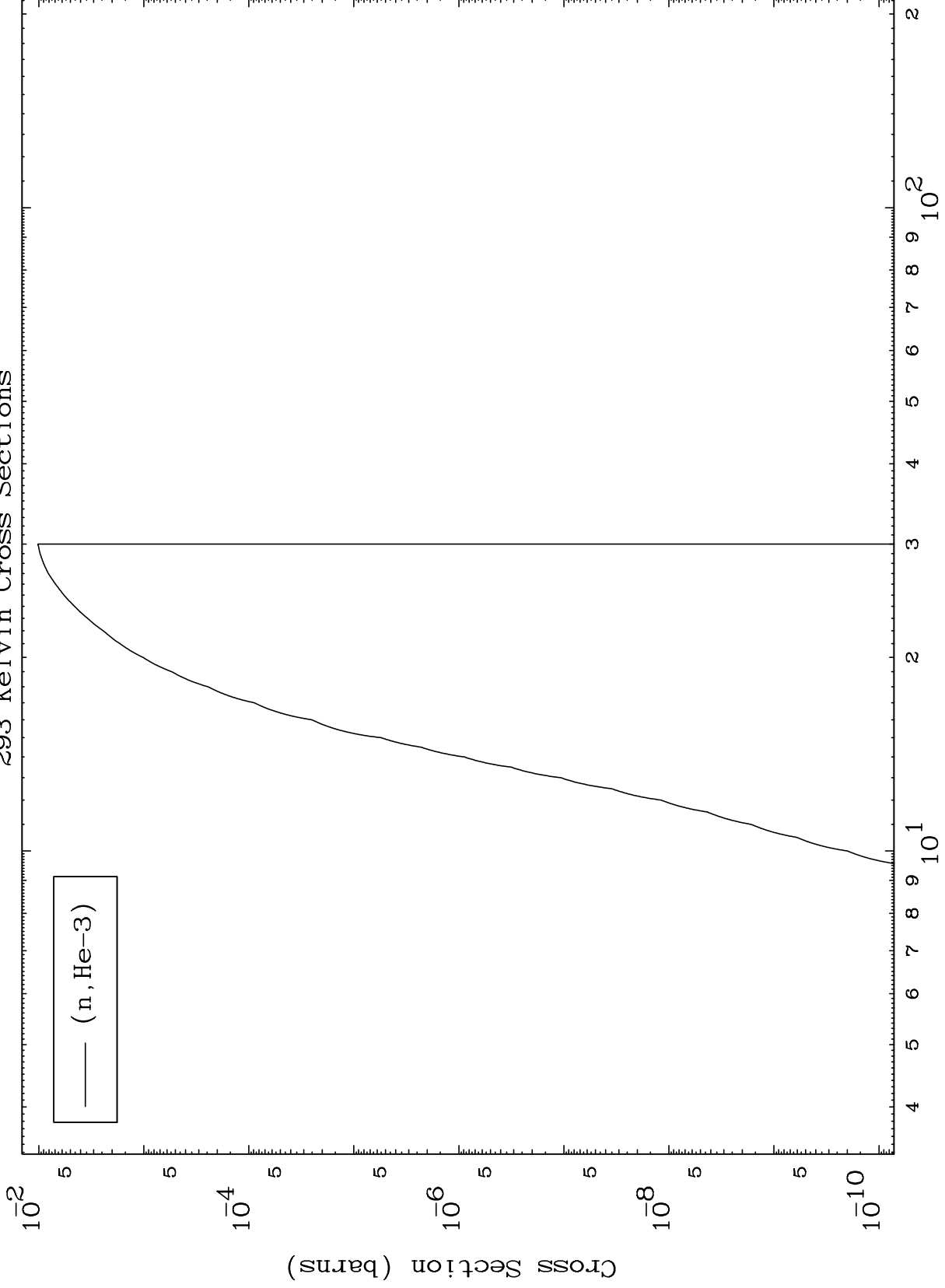
Incident Energy (MeV)

11

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(n,He3) Levels  
293 Kelvin Cross Sections

42-Mo-91



12

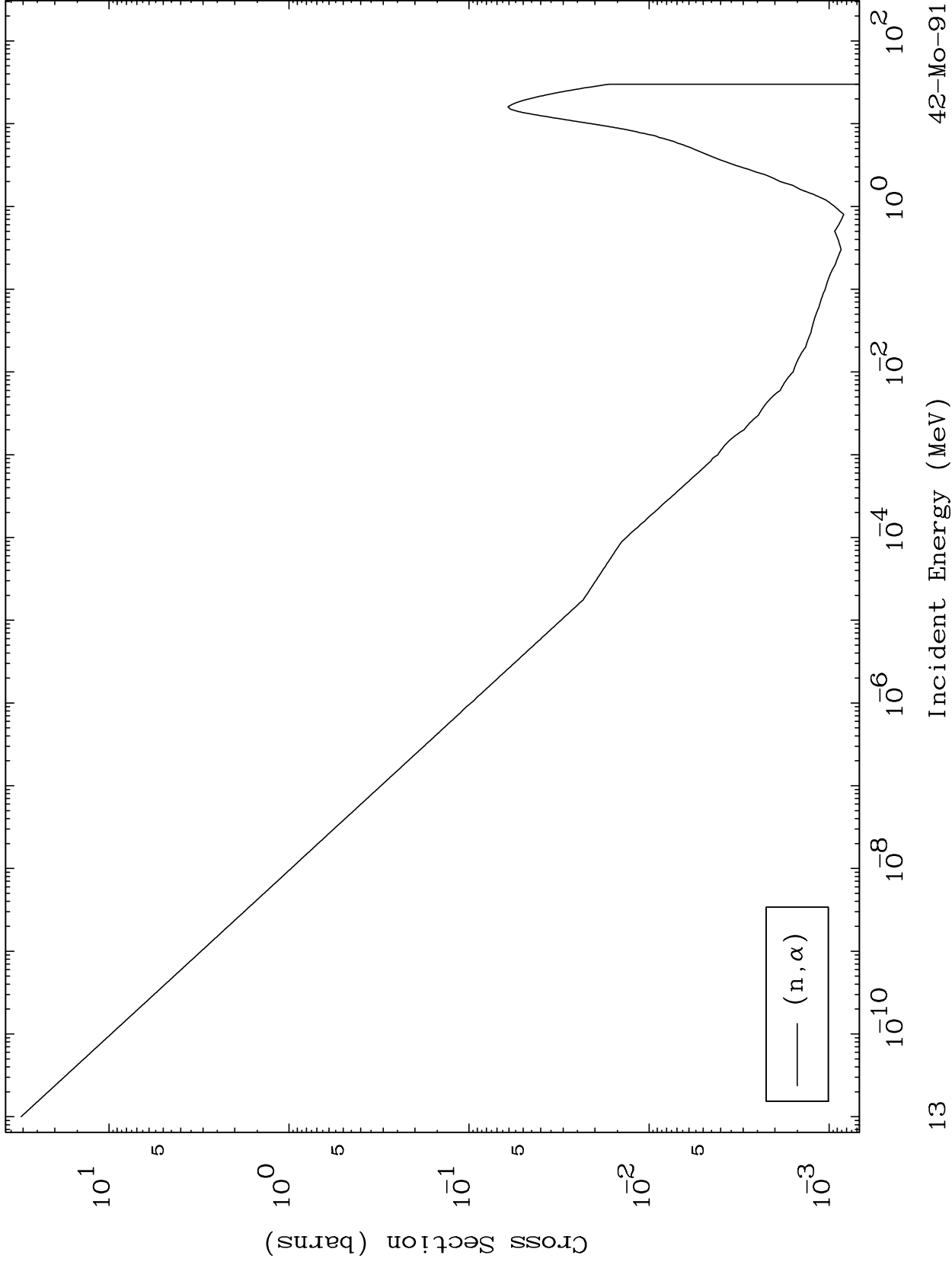
Incident Energy (MeV)

42-Mo-91

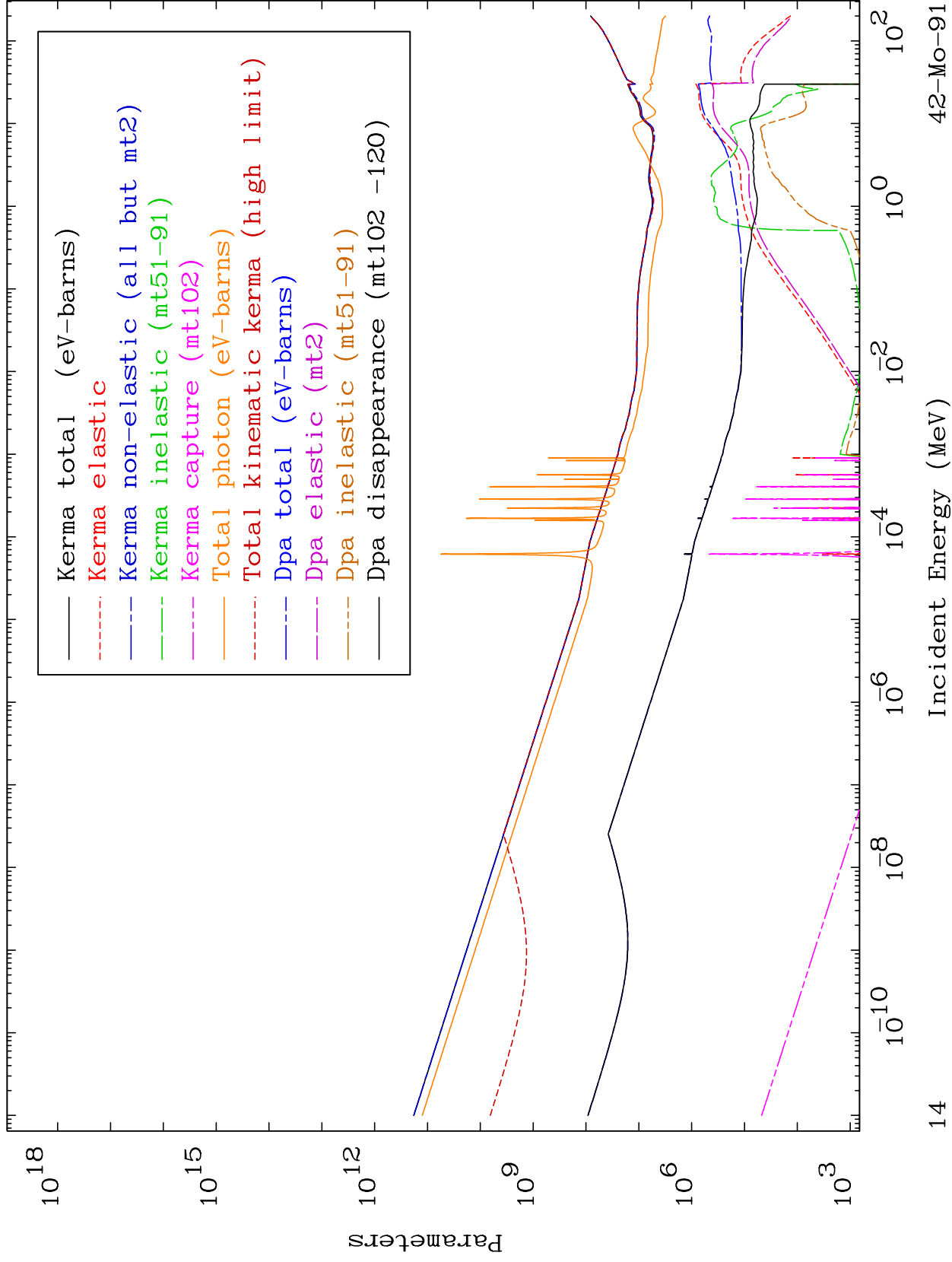
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(n,α) Levels  
293 Kelvin Cross Sections

42-Mo-91



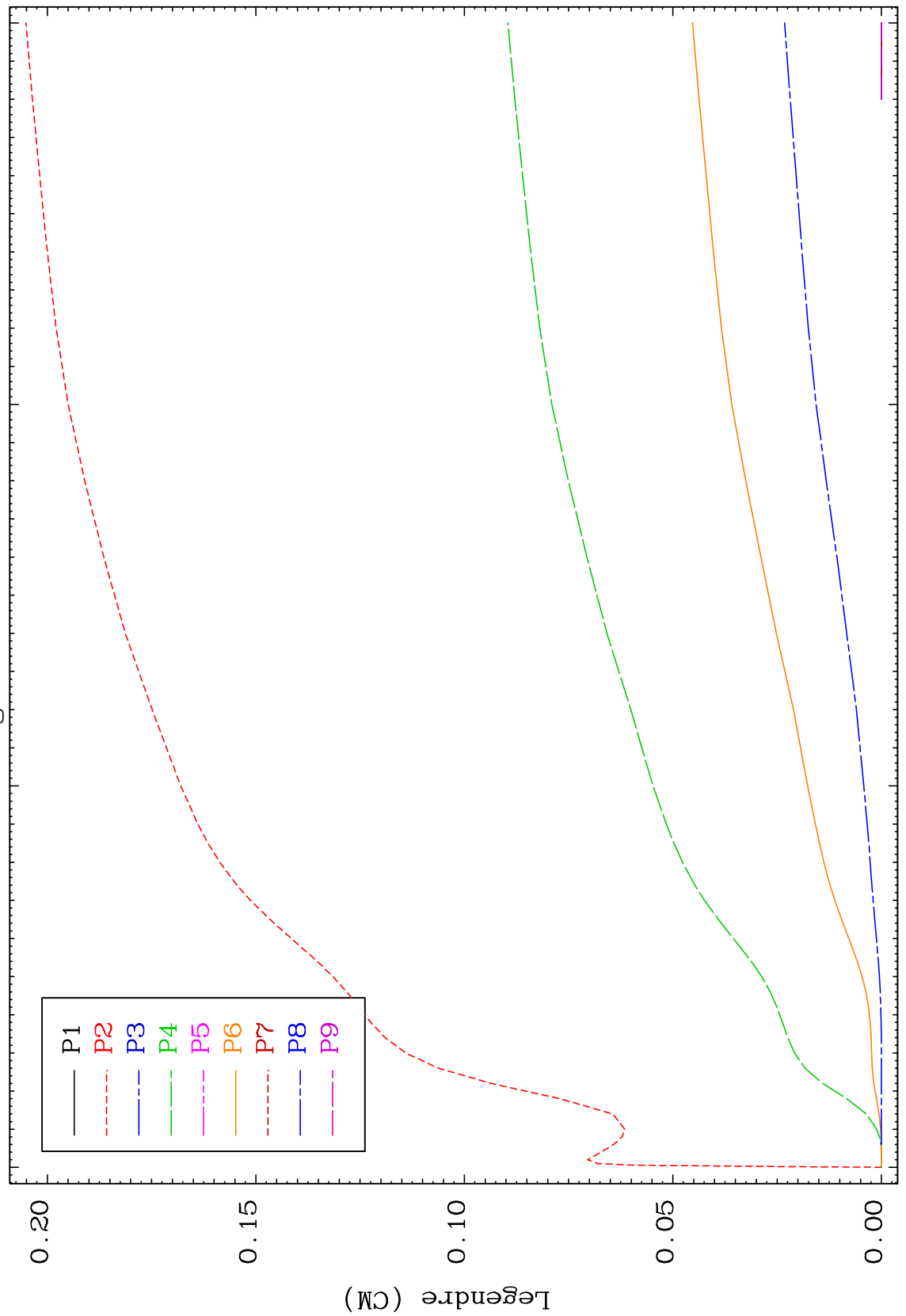
(n,α)



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Elastic Legendre Coefficients

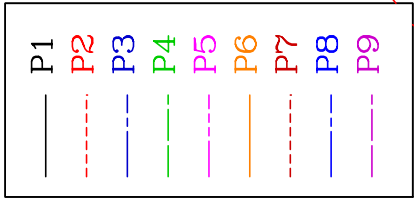
42-Mo-91



15

Incident Energy (MeV)

42-Mo-91

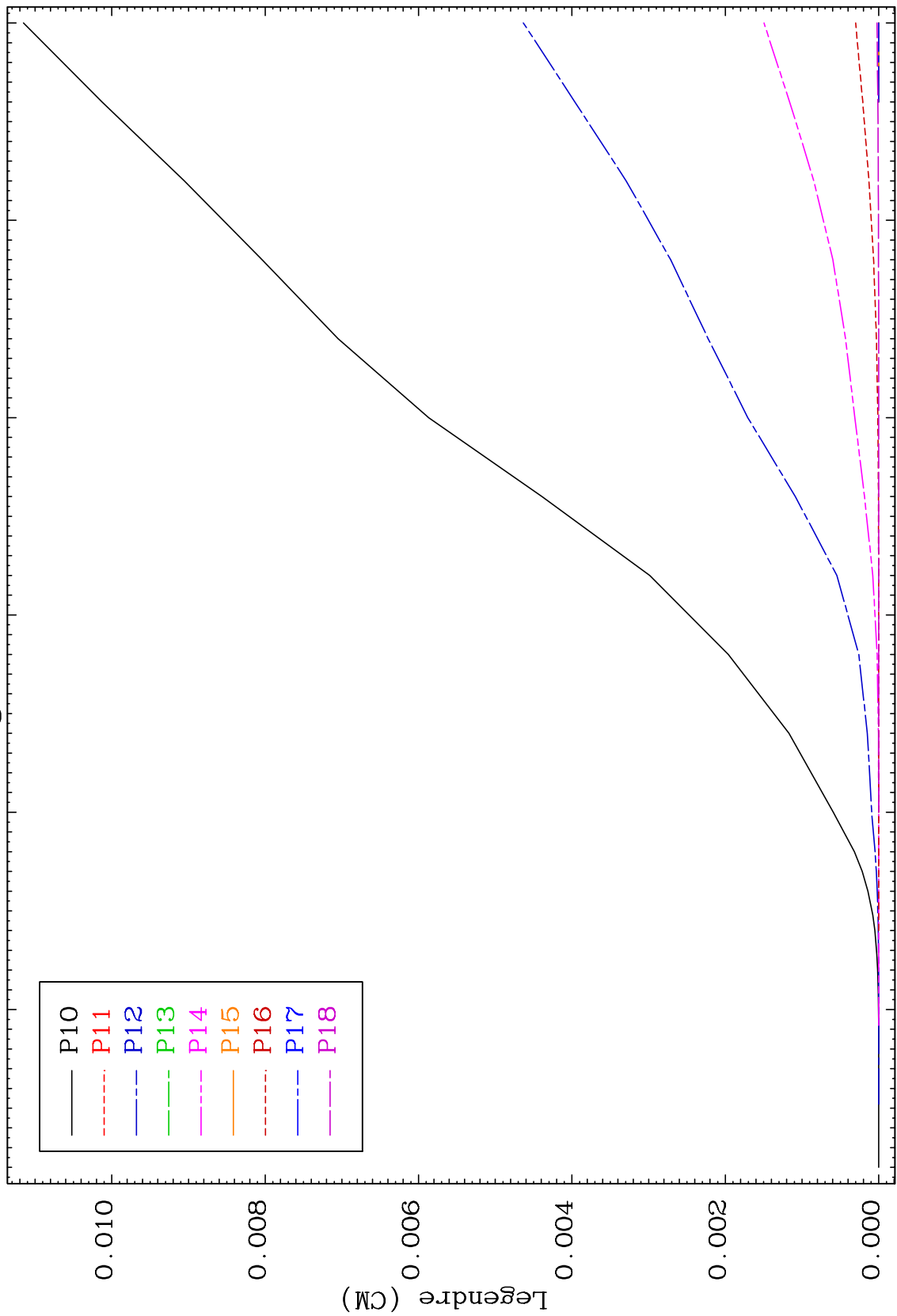




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Elastic Legendre Coefficients

42-Mo-91



16

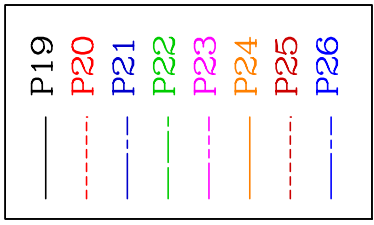
42-Mo-91

Incident Energy (MeV)

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Elastic  
Legendre Coefficients

42-Mo-91



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

Legendre (CM)

15

20

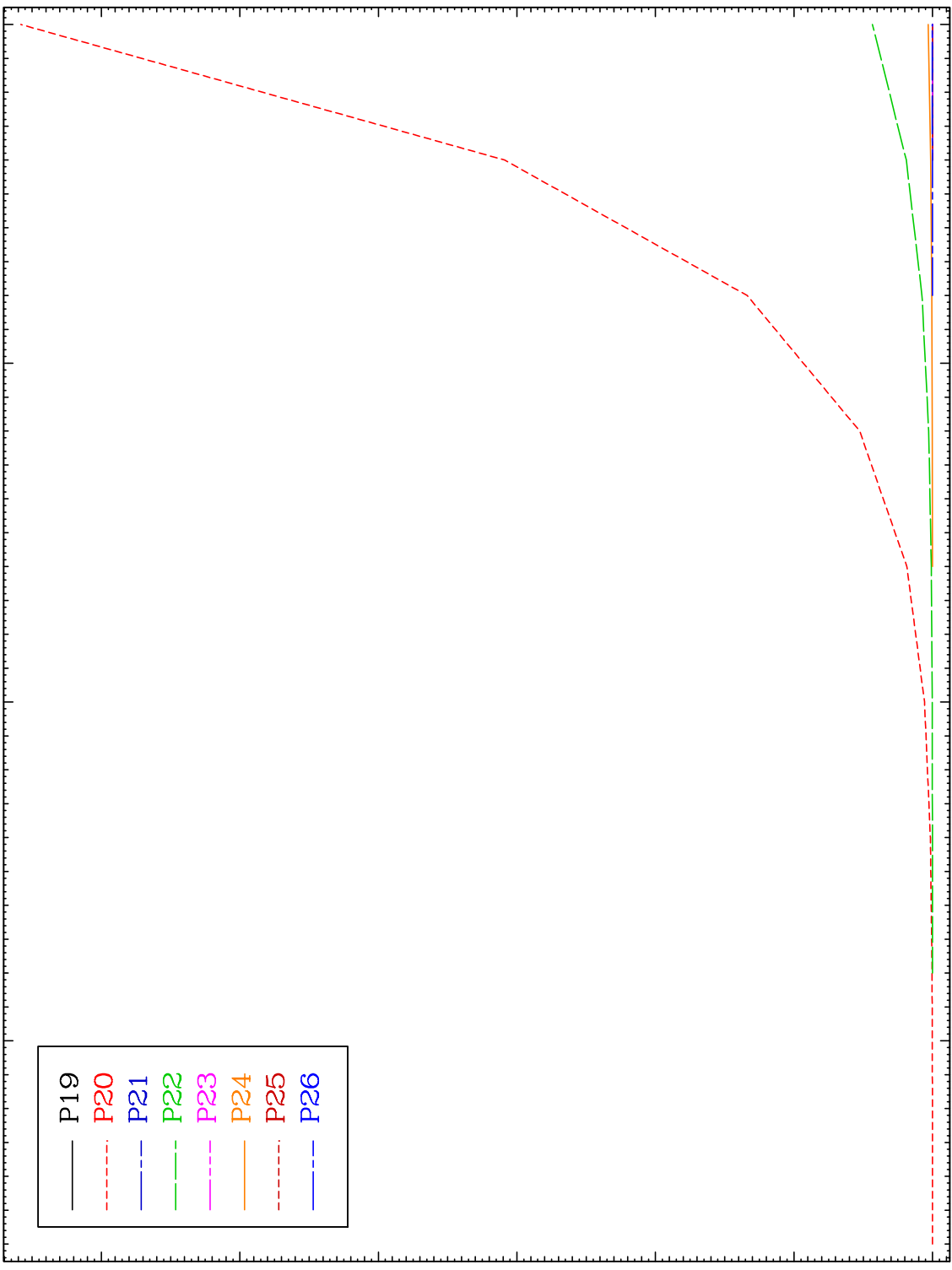
25

30

17

Incident Energy (MeV)

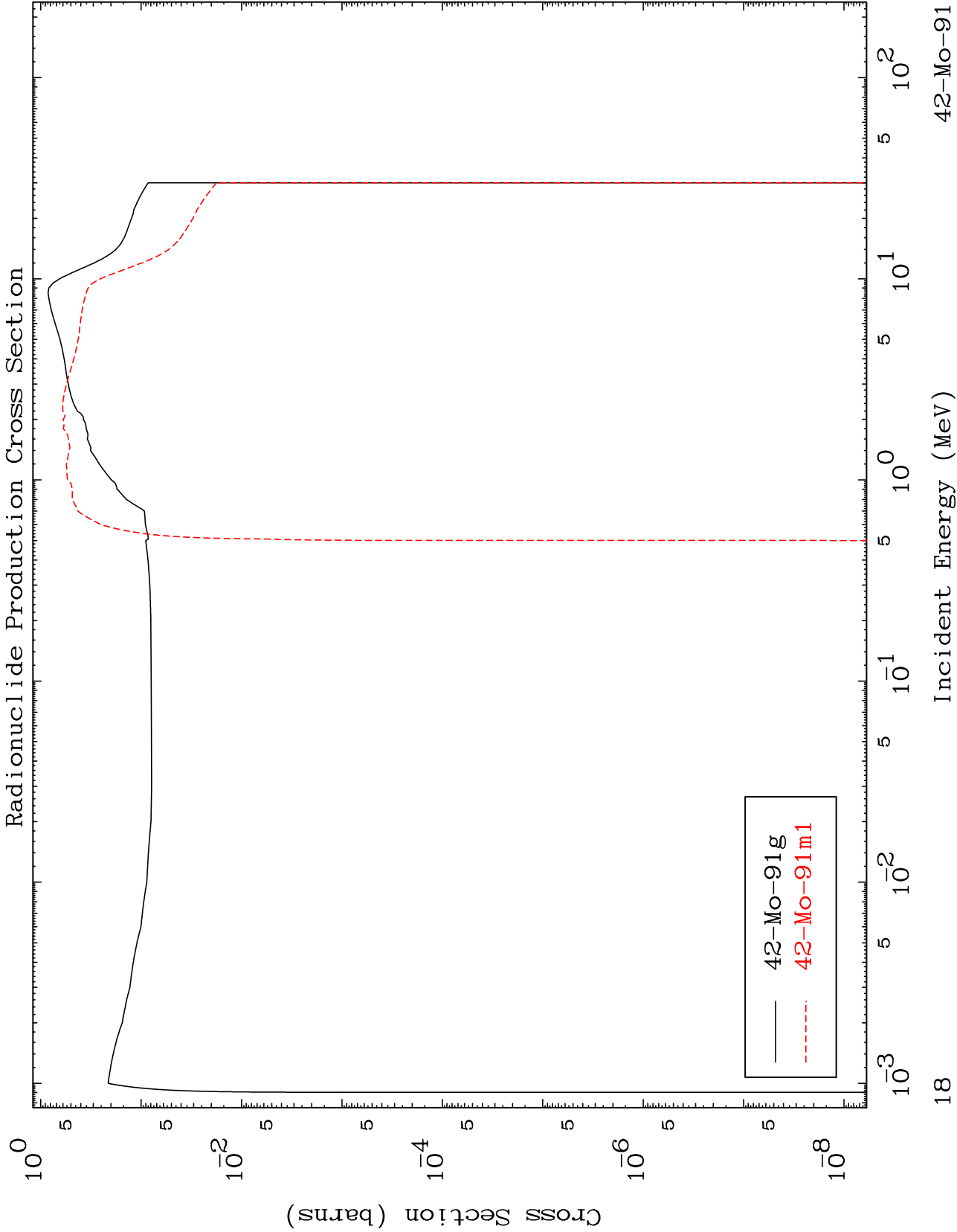
42-Mo-91



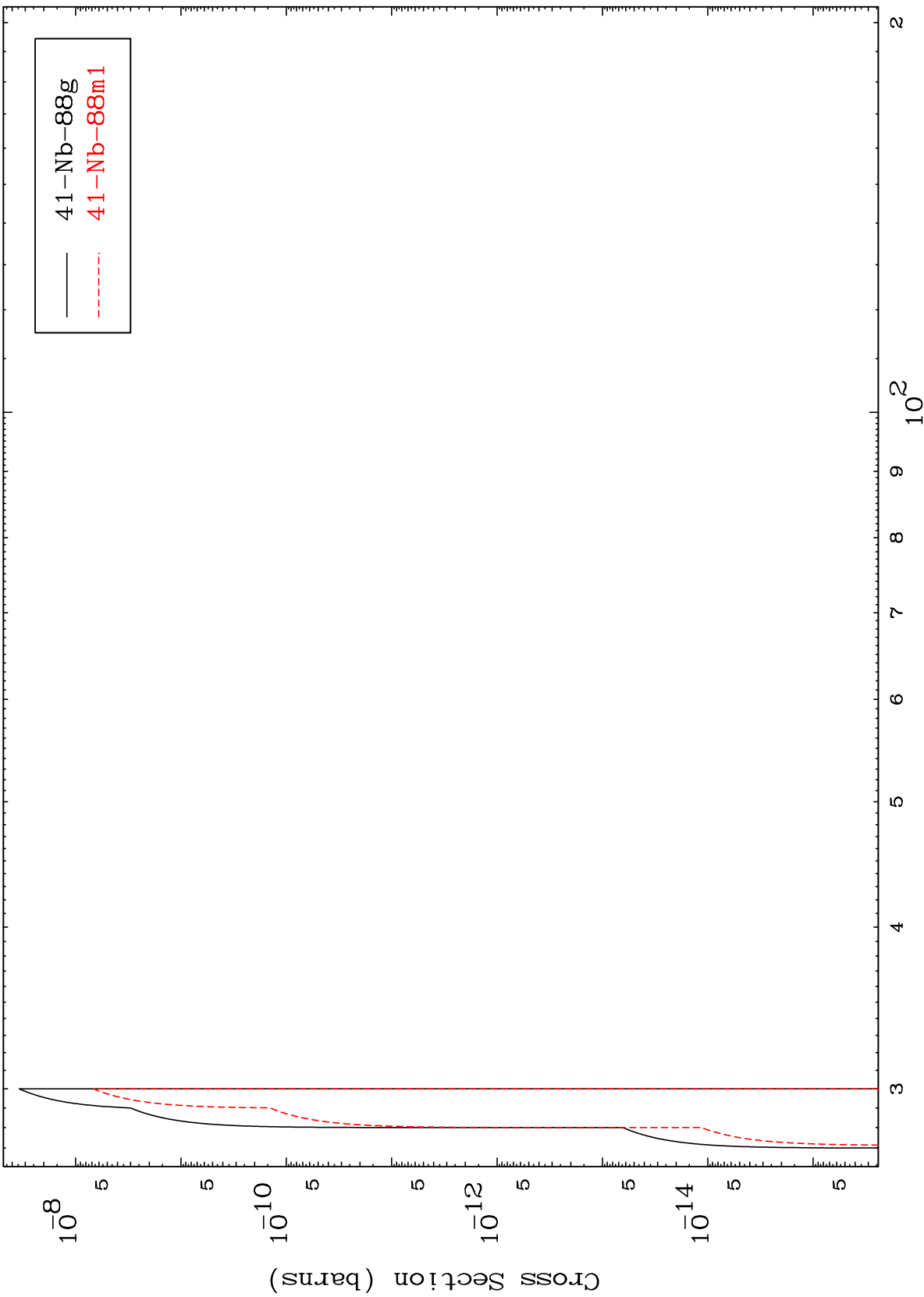
MAT 4223

42-Mo-91

Inelastic  
Radionuclide Production Cross Section



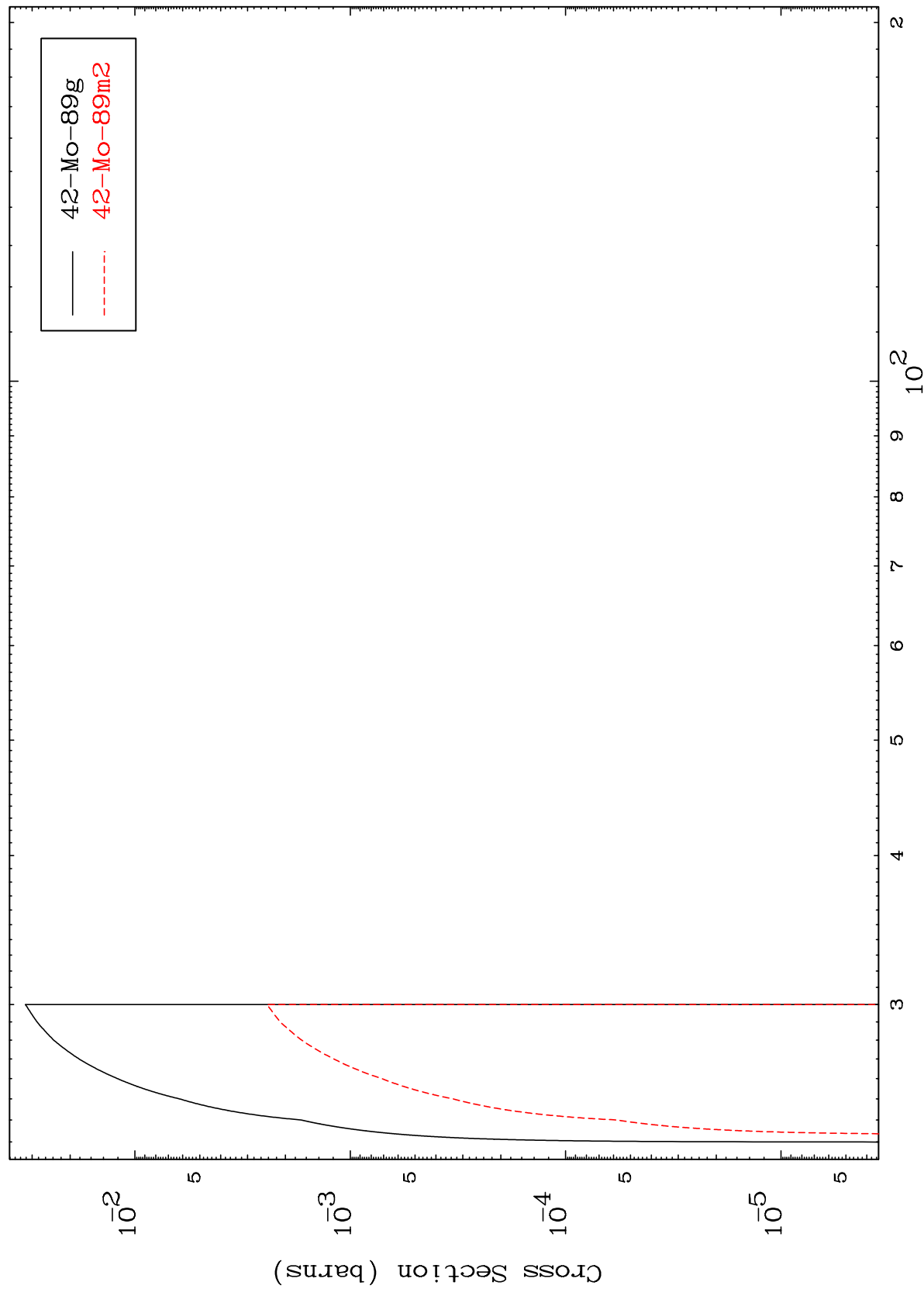
Radionuclide Production Cross Section



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42-Mo-91

(n,3n)  
Radionuclide Production Cross Section



42-Mo-89g  
42-Mo-89m2

42-Mo-91

Incident Energy (MeV)

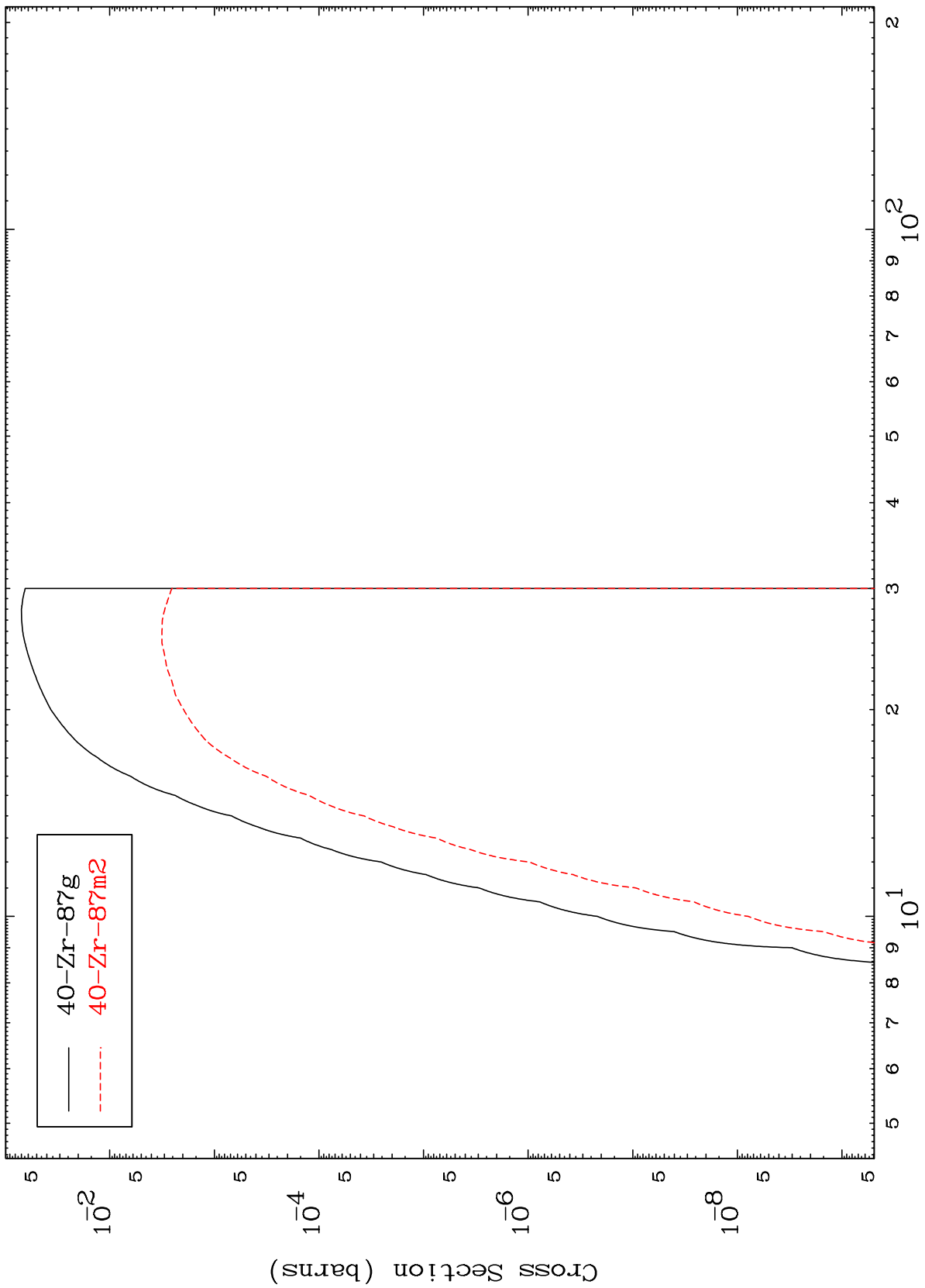
20

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(n,n')  $\alpha$

42-Mo-91

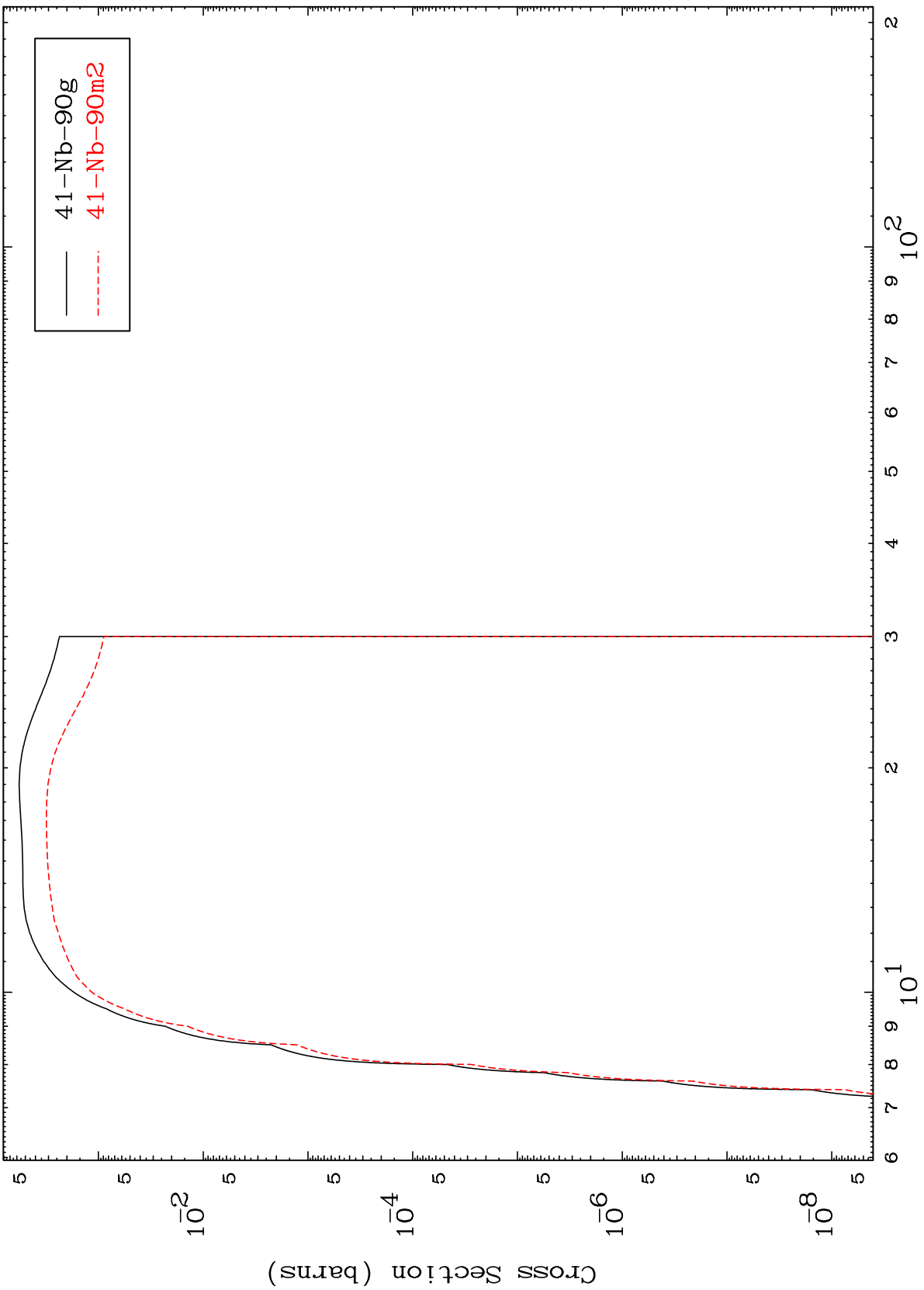
Radionuclide Production Cross Section



21

42-Mo-91

(n,n') p  
Radionuclide Production Cross Section

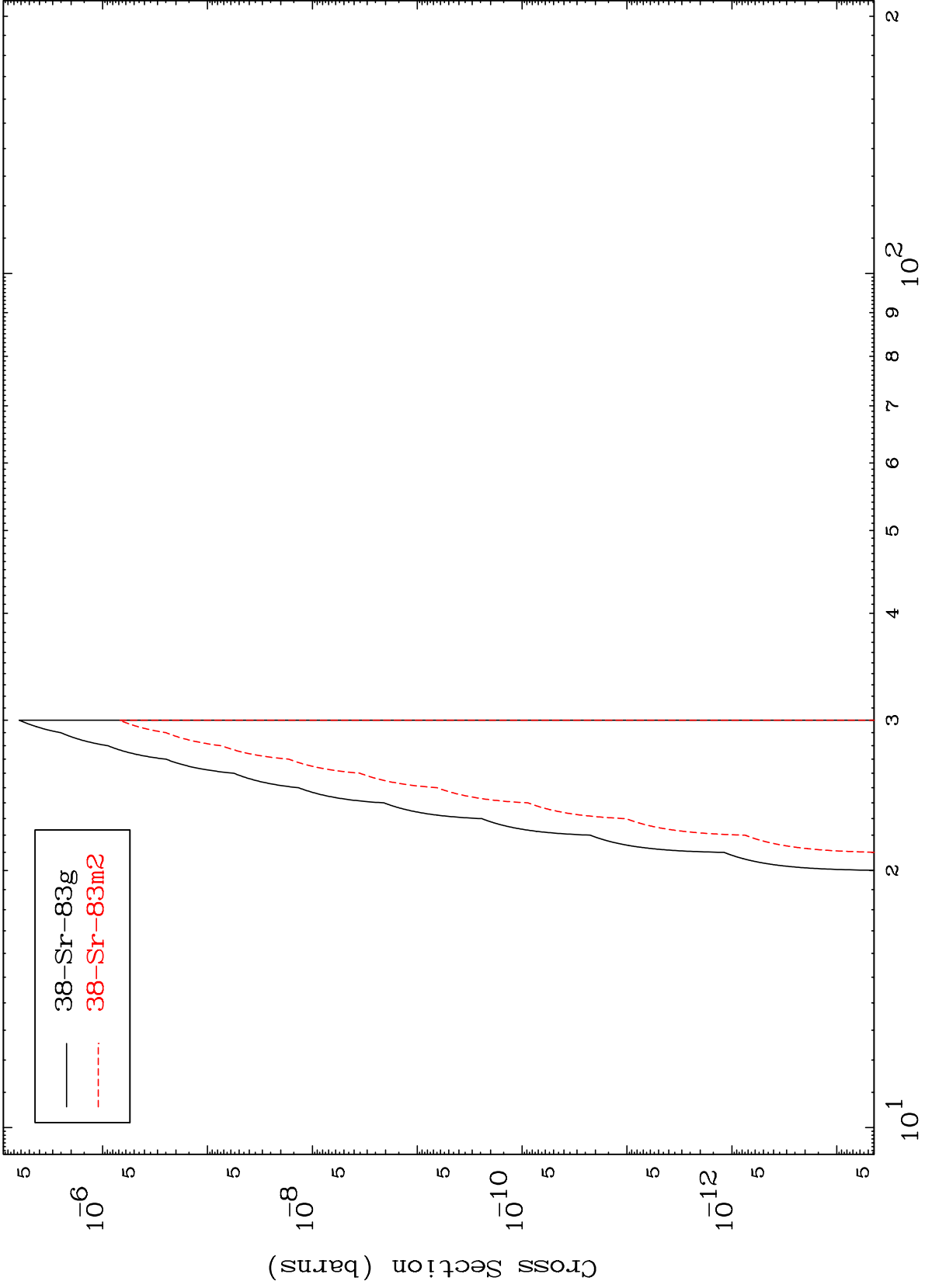


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(n,n') 2α

42-Mo-91

Radionuclide Production Cross Section



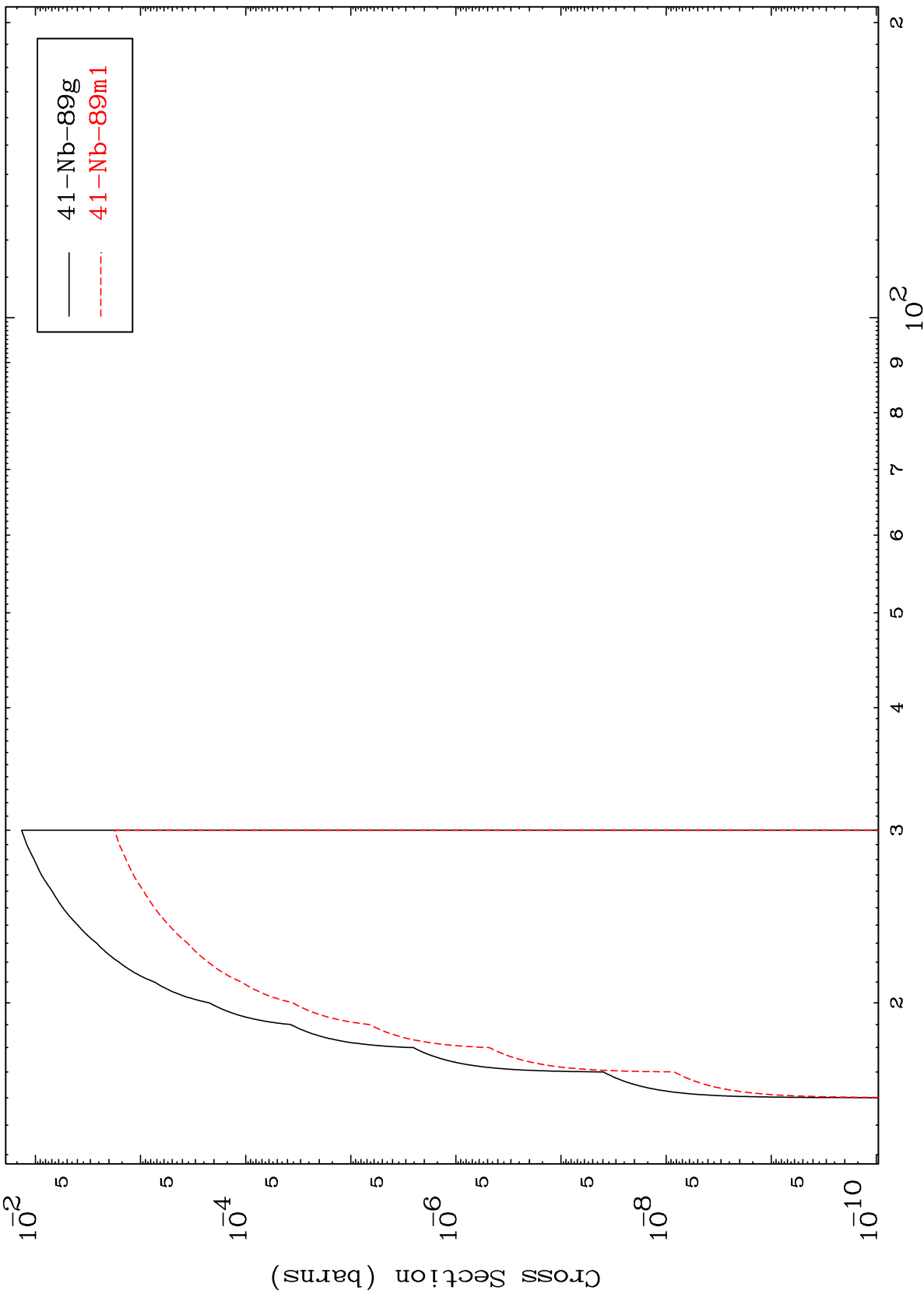
23

Incident Energy (MeV)

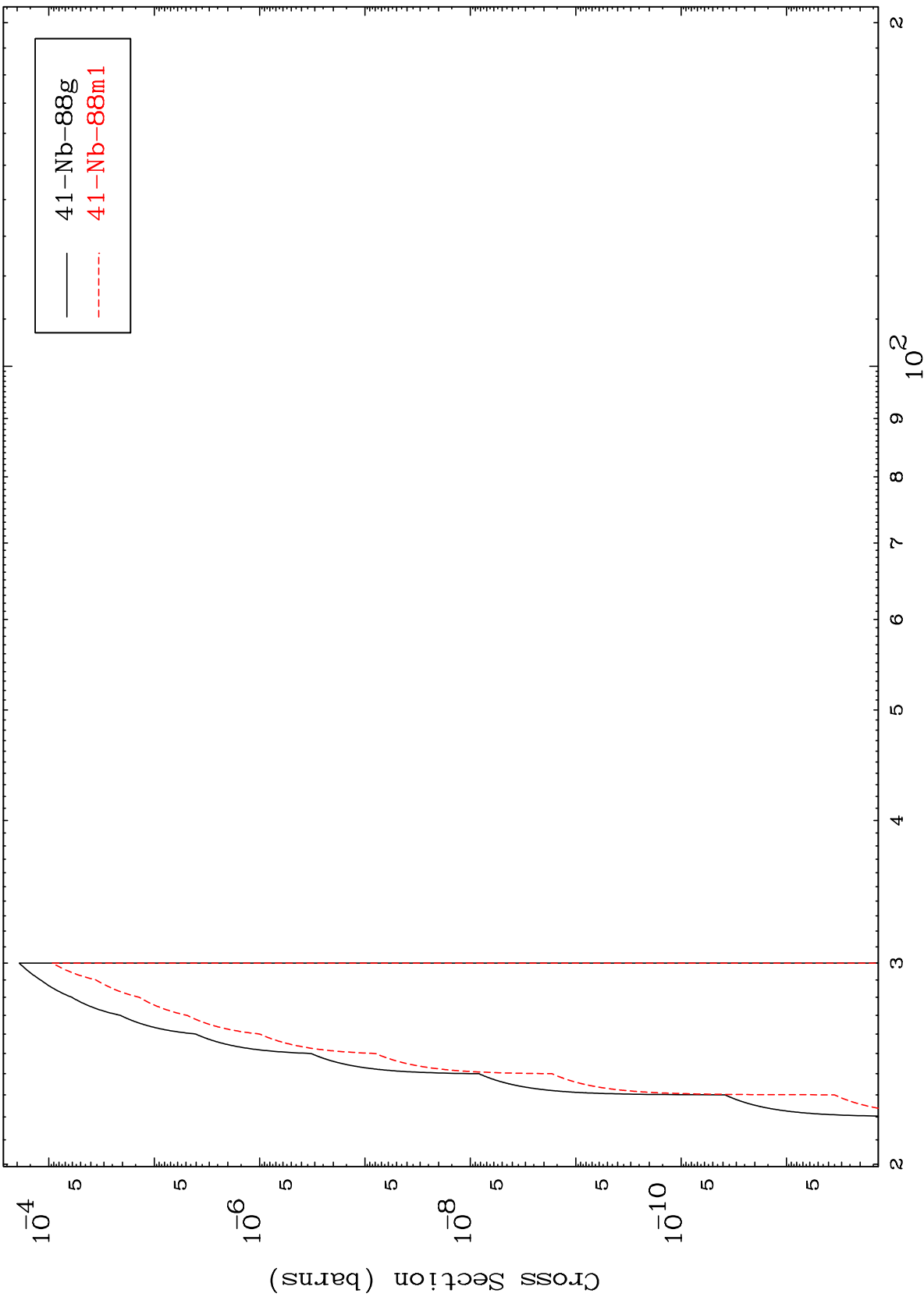
42-Mo-91



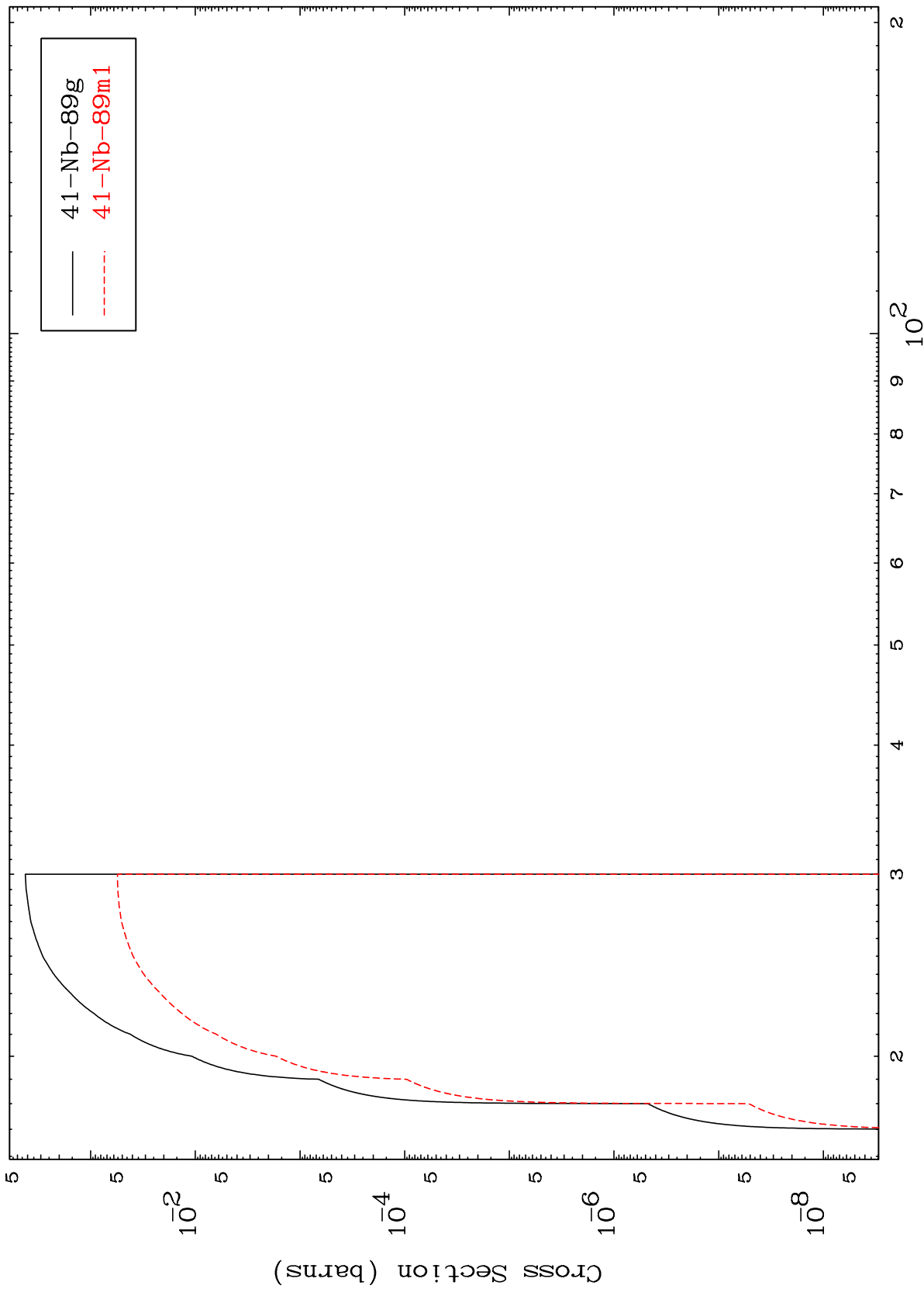
Radionuclide Production Cross Section



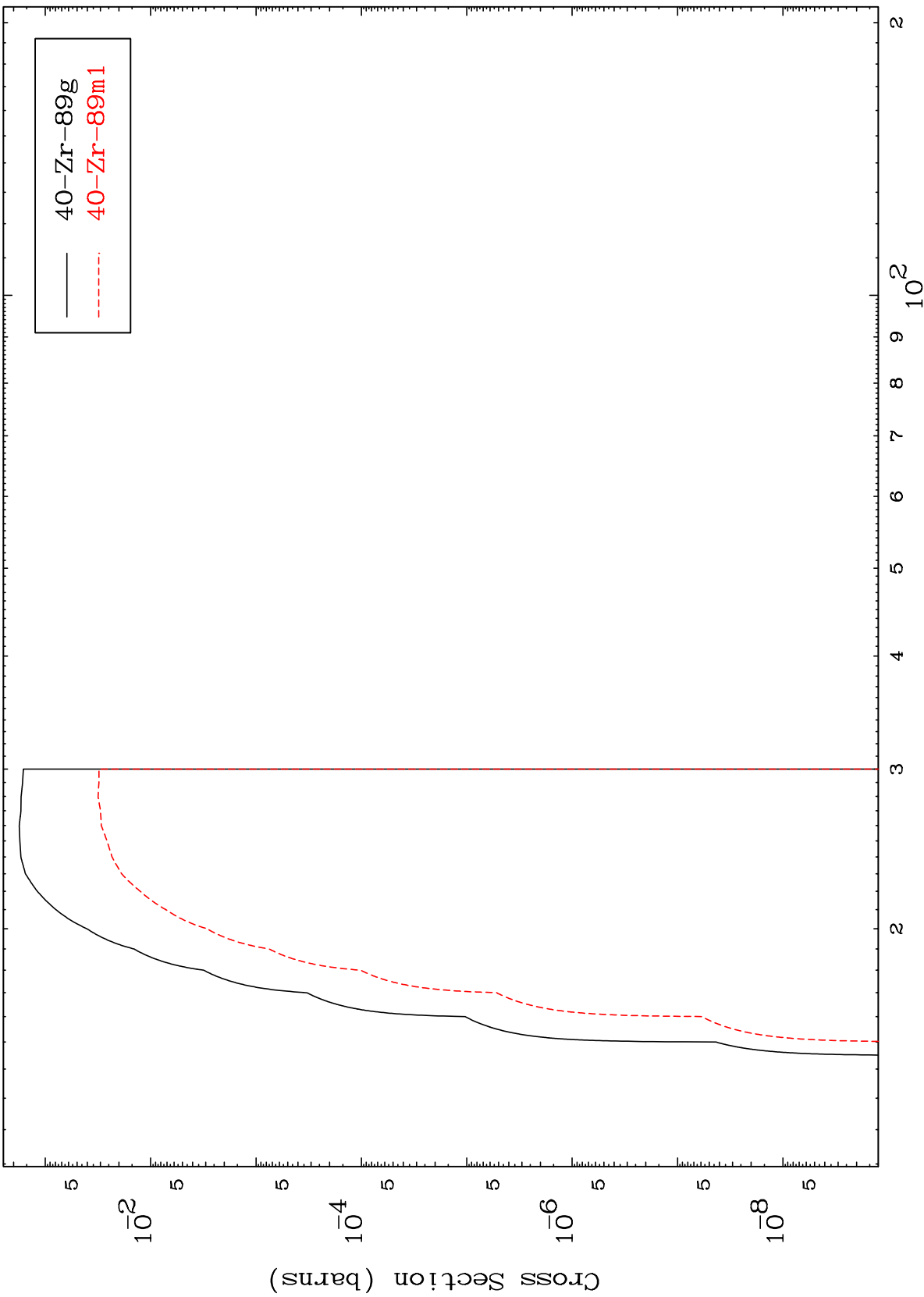
Radionuclide Production Cross Section



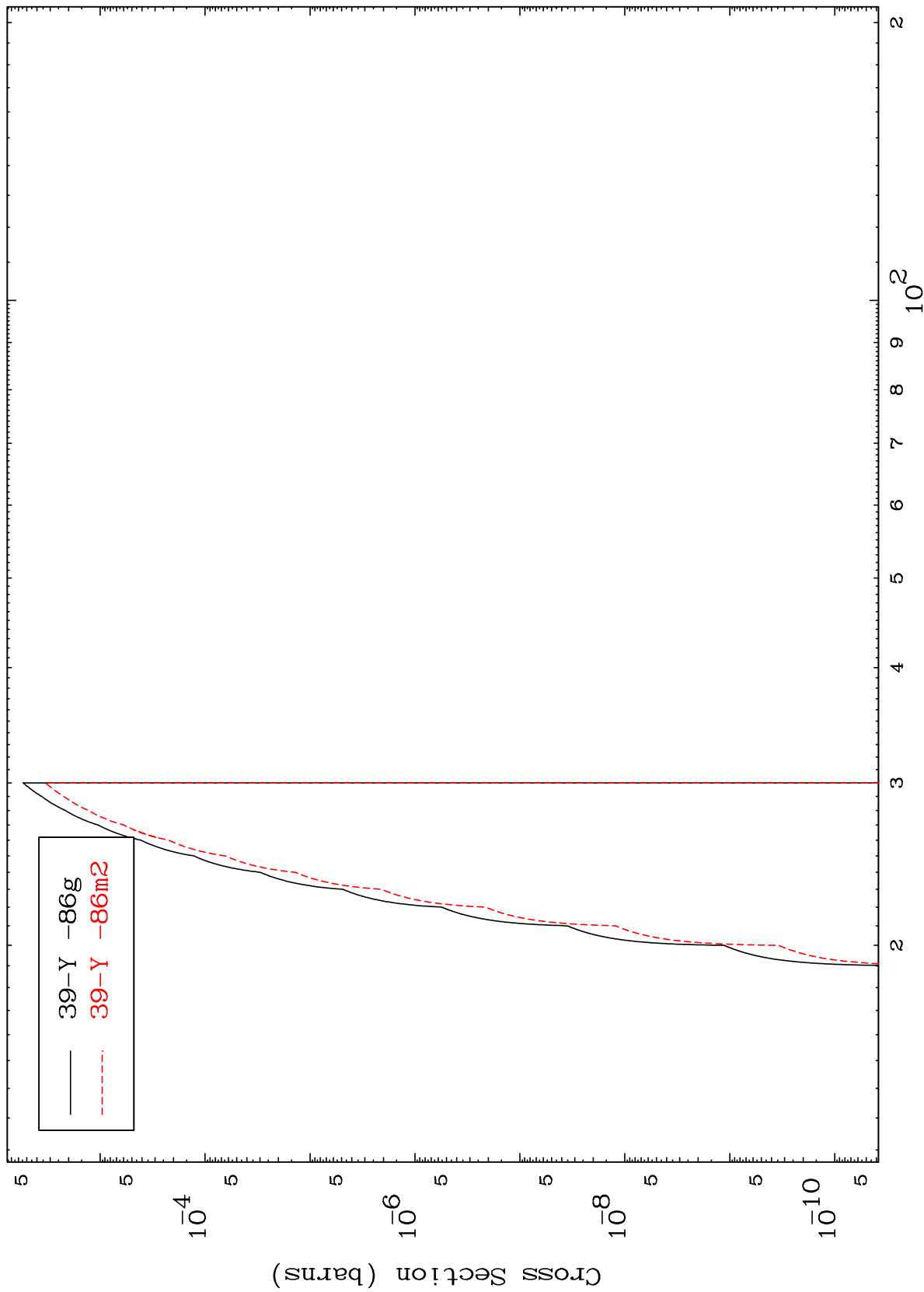
Radionuclide Production Cross Section



Radionuclide Production Cross Section



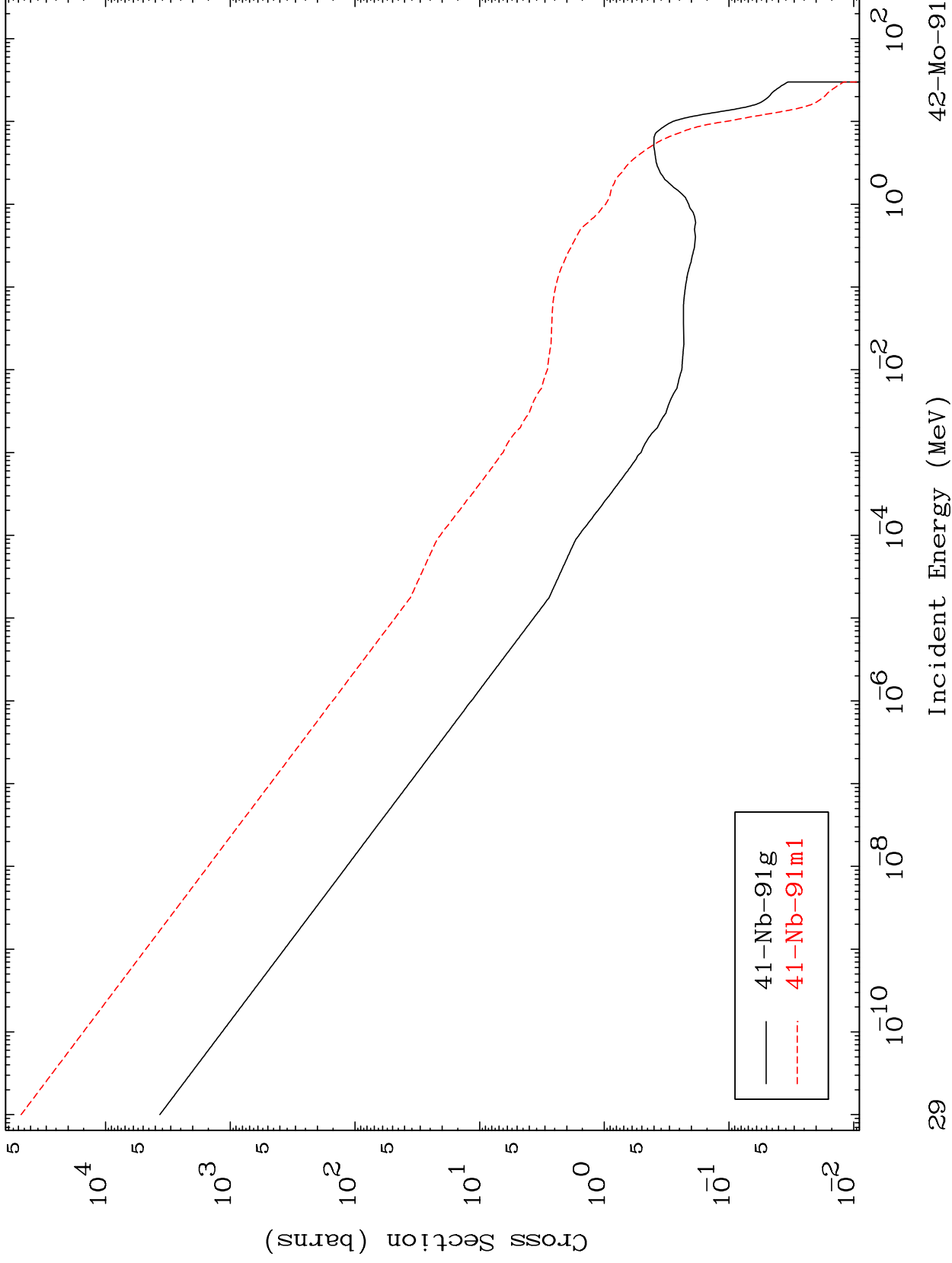
Radionuclide Production Cross Section



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42-Mo-91

(n,p)  
Radionuclide Production Cross Section



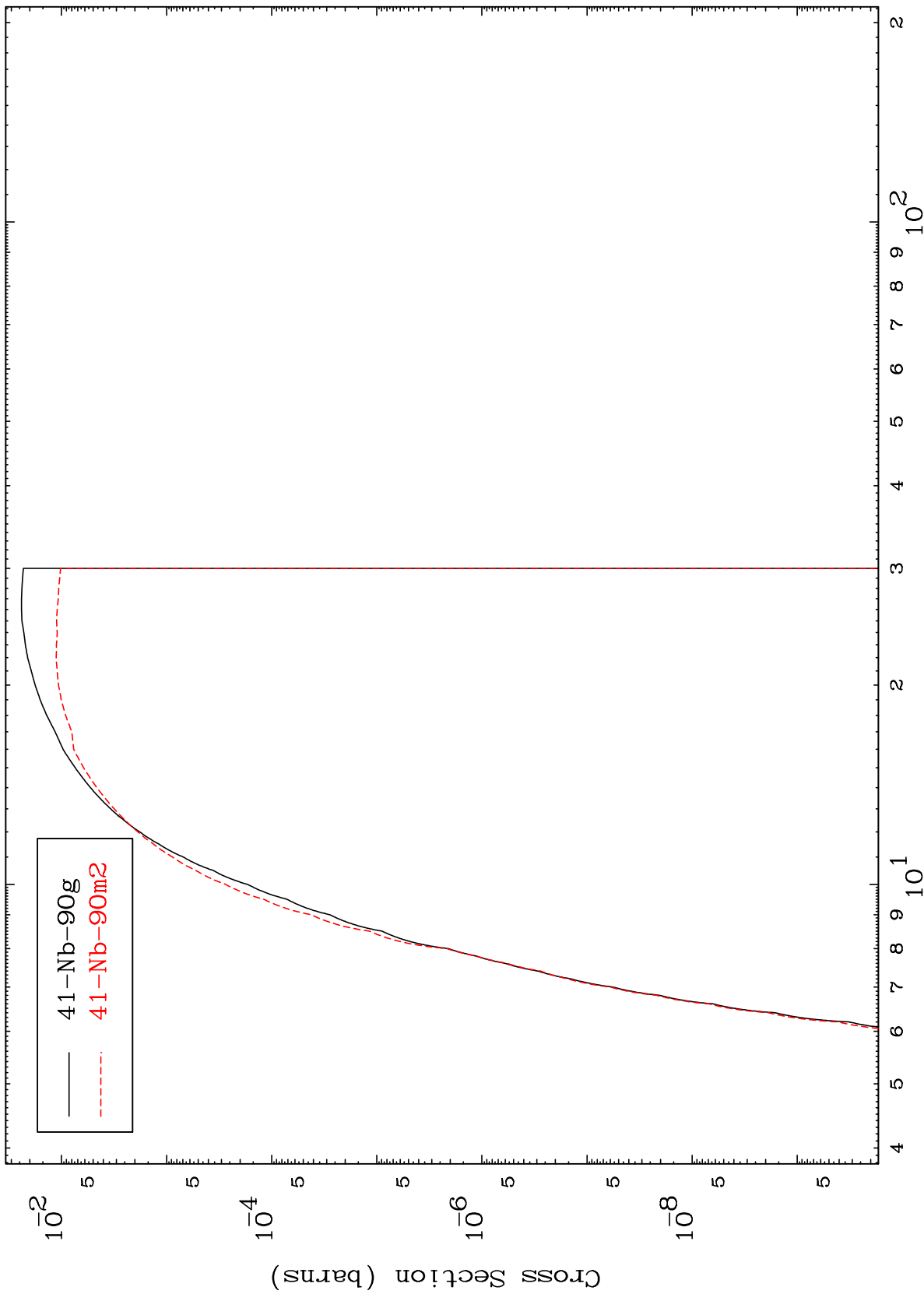
29

42-Mo-91

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42-Mo-91

(n,d)  
Radionuclide Production Cross Section



42-Mo-91

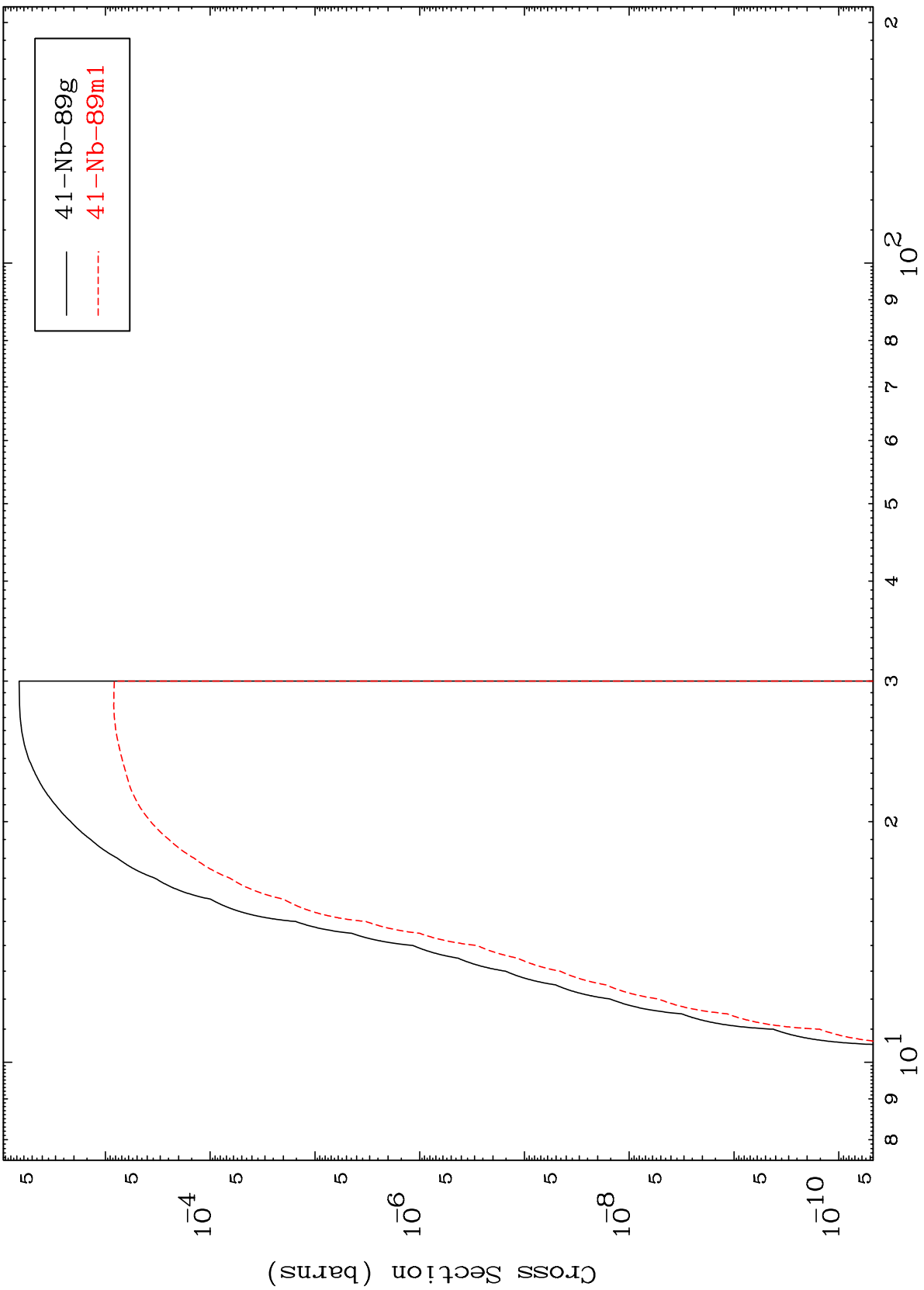
Incident Energy (MeV)

30

MAT 4223

42-Mo-91

(n,t)  
Radionuclide Production Cross Section



31

Incident Energy (MeV)

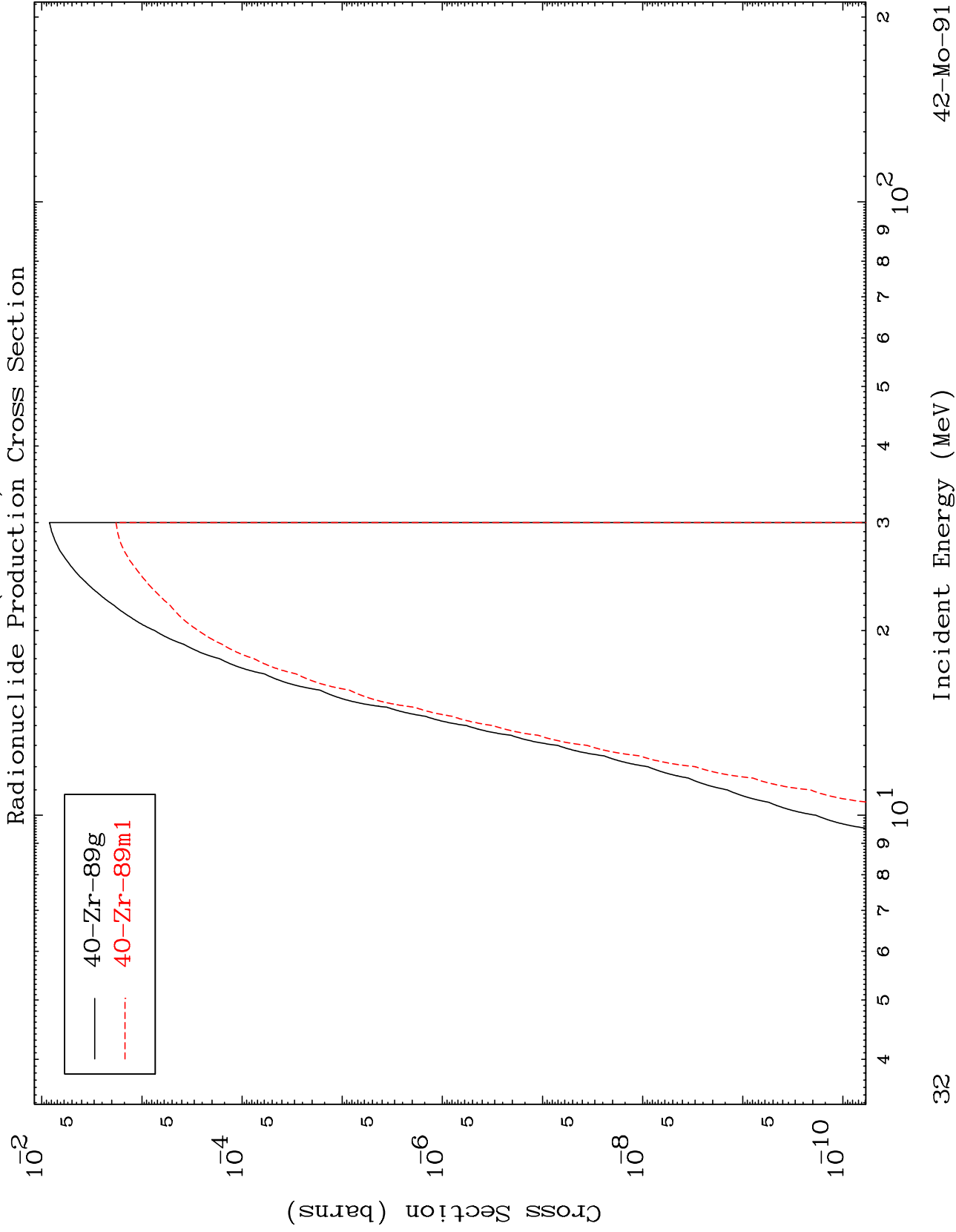
42-Mo-91



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(n,He-3)

42-Mo-91

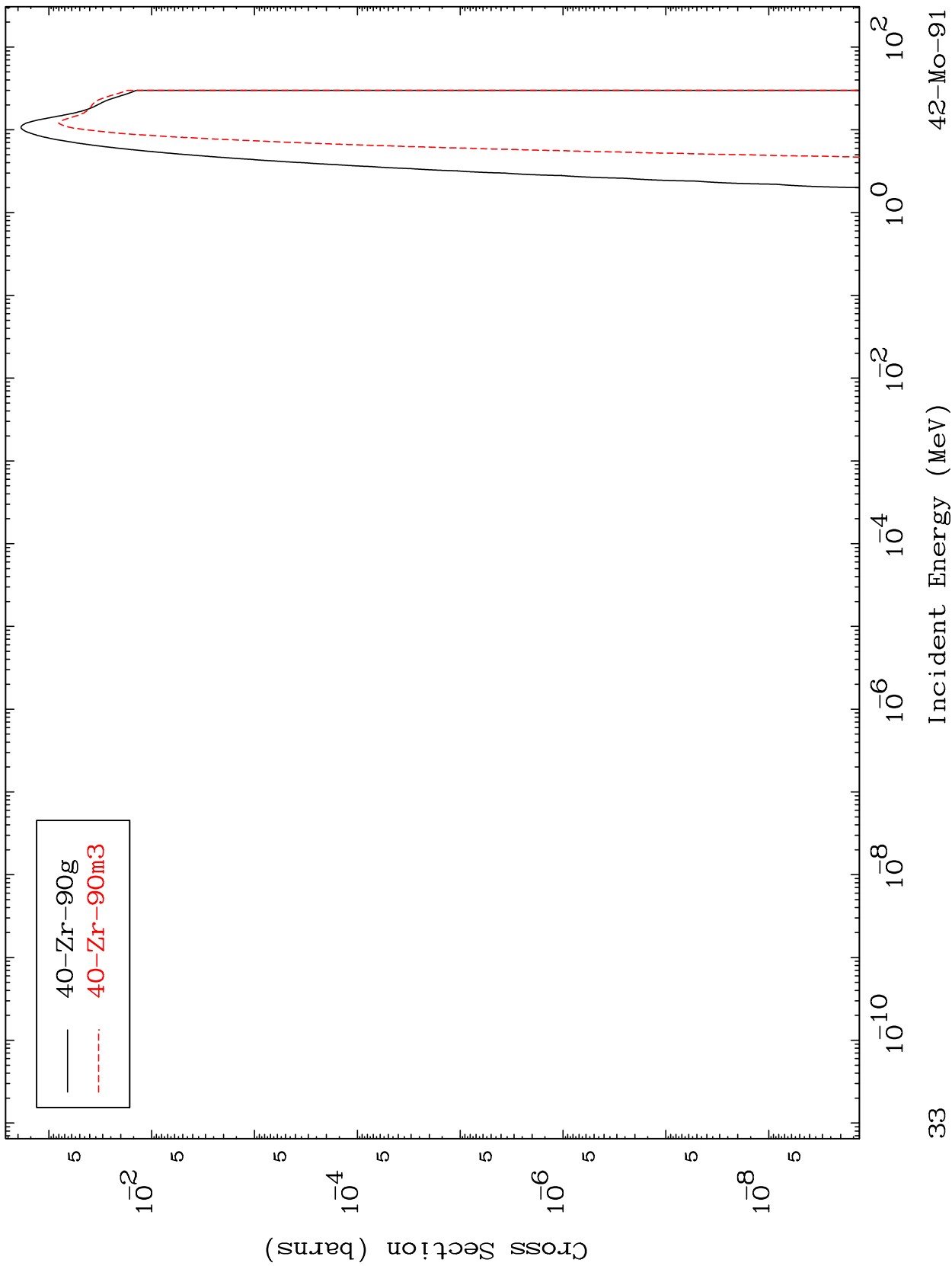


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42-Mo-91

(n,2p)  
Radionuclide Production Cross Section

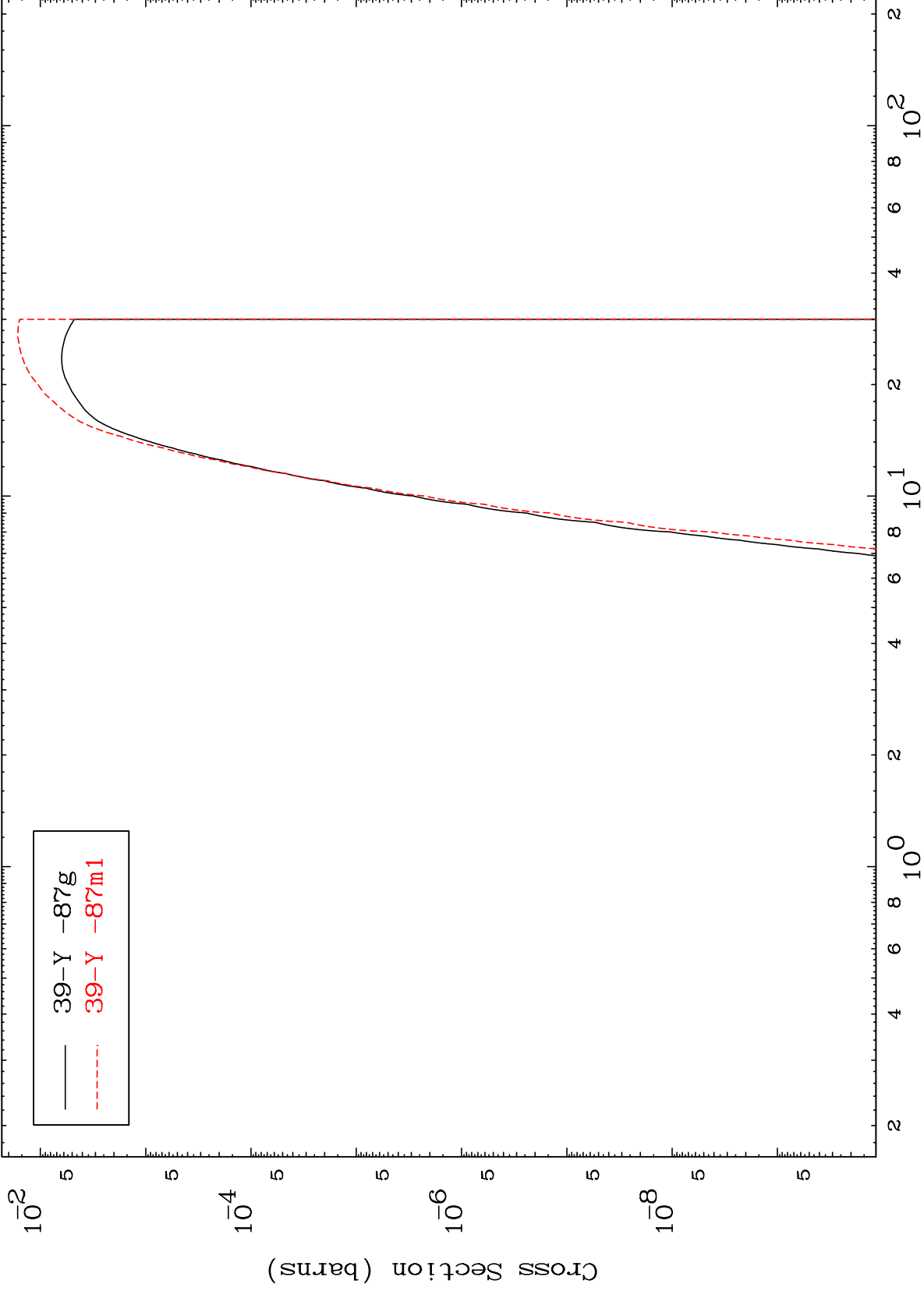


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(n,p)  $\alpha$

42-Mo-91

Radionuclide Production Cross Section



34

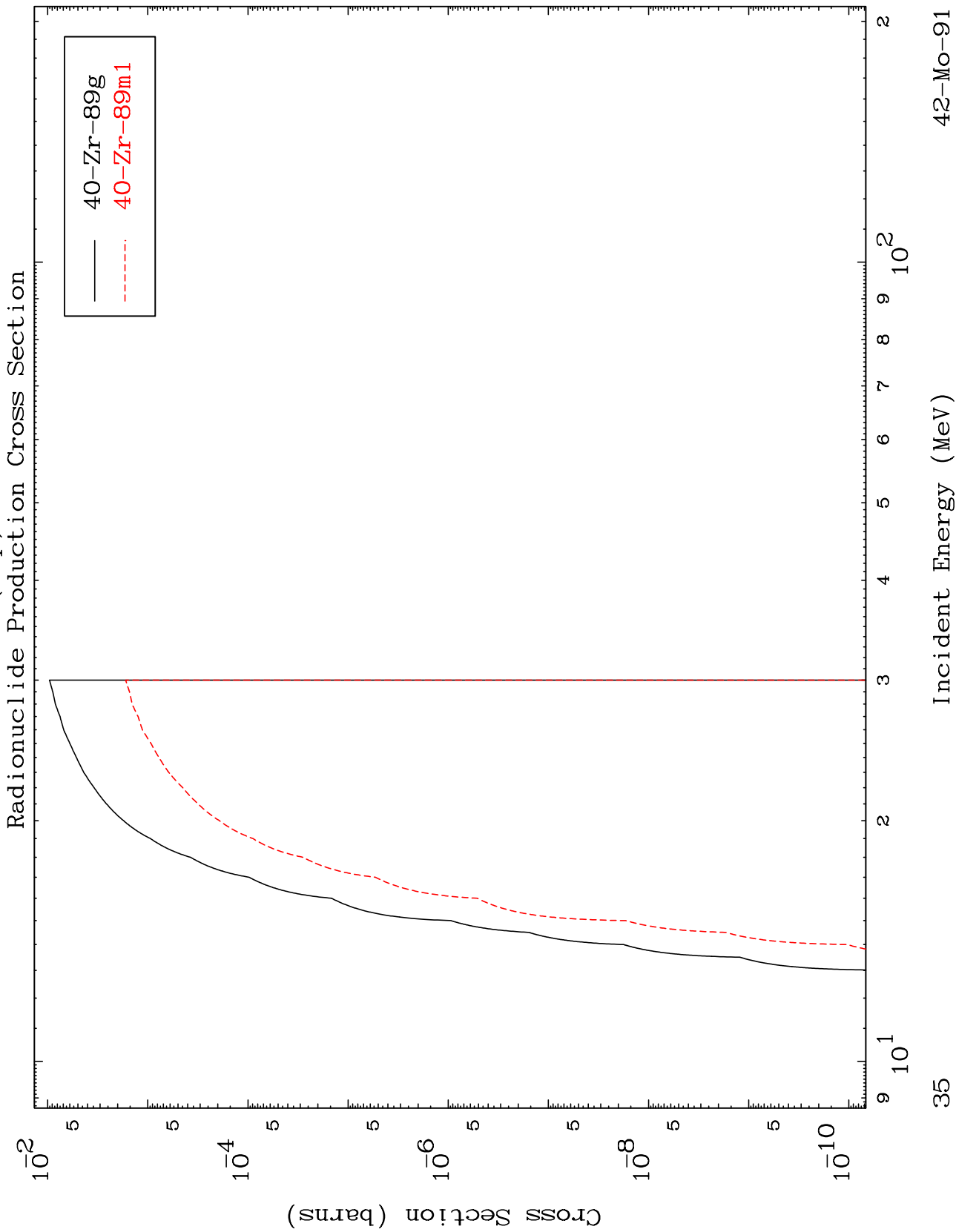
Incident Energy (MeV)

42-Mo-91

MAT 4223

(n,p) d

42-Mo-91



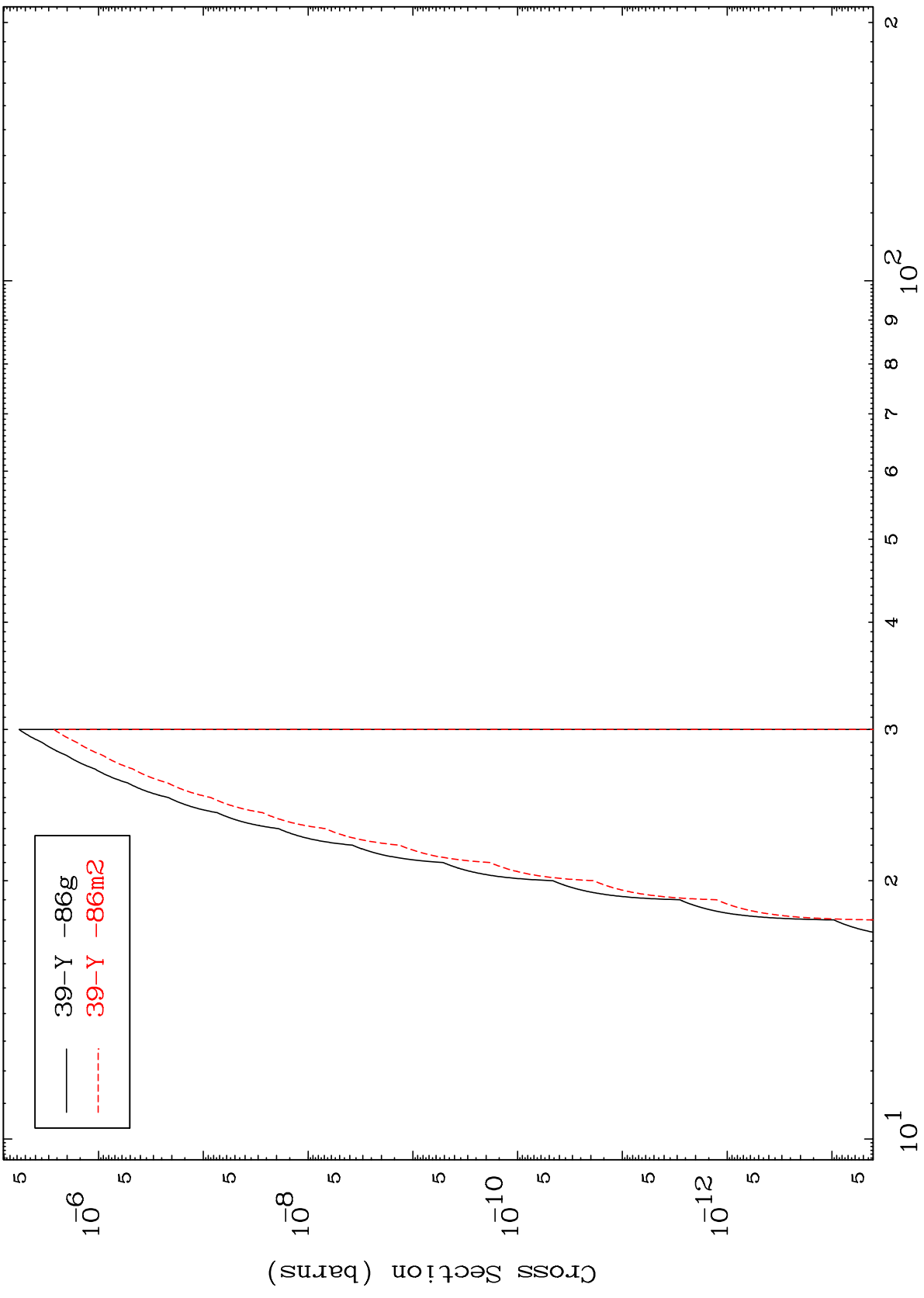
35

MAT 4223

(n,d)  $\alpha$

42-Mo-91

Radionuclide Production Cross Section



39-Y -86g  
39-Y -86m2

36

Incident Energy (MeV)

42-Mo-91