

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

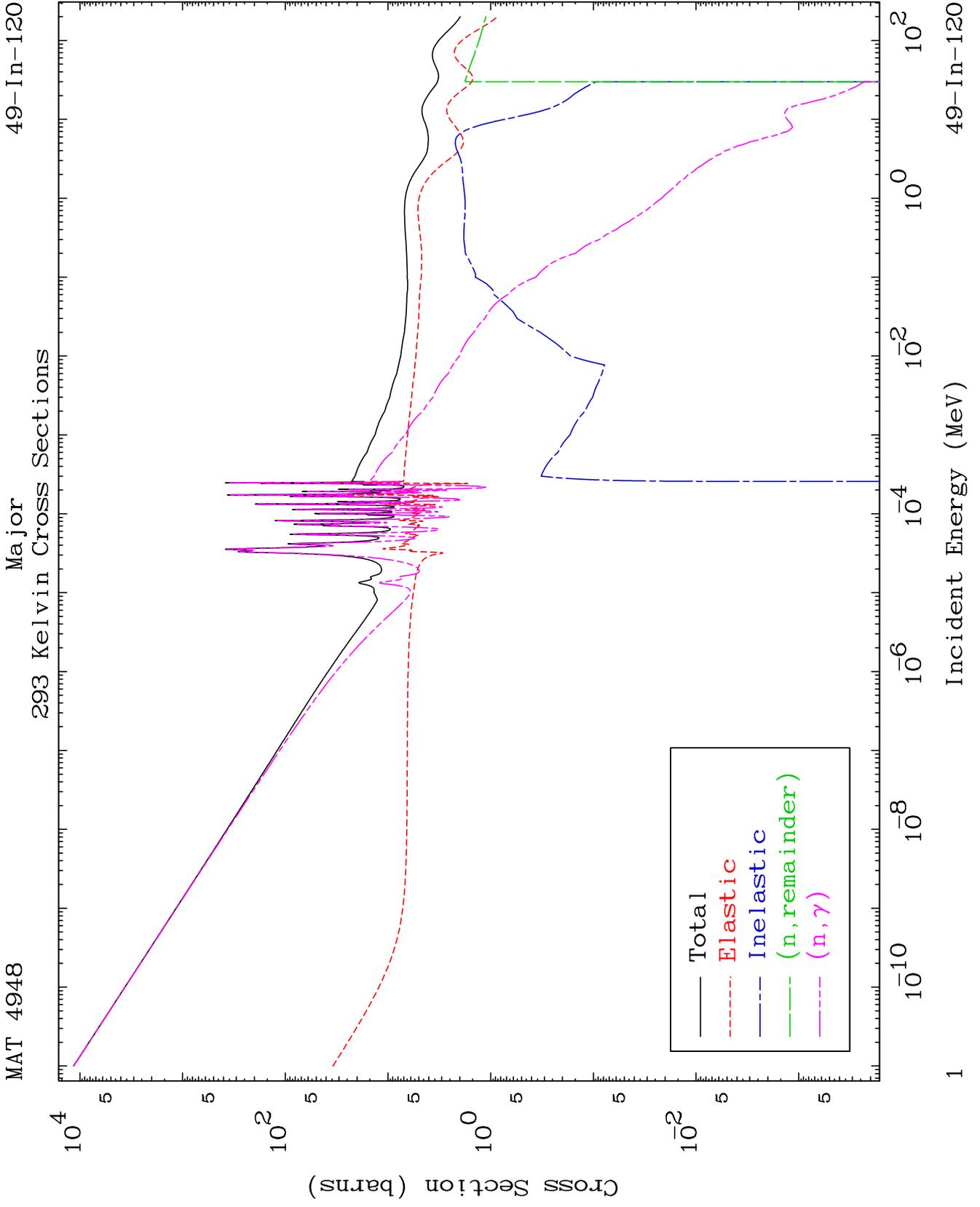
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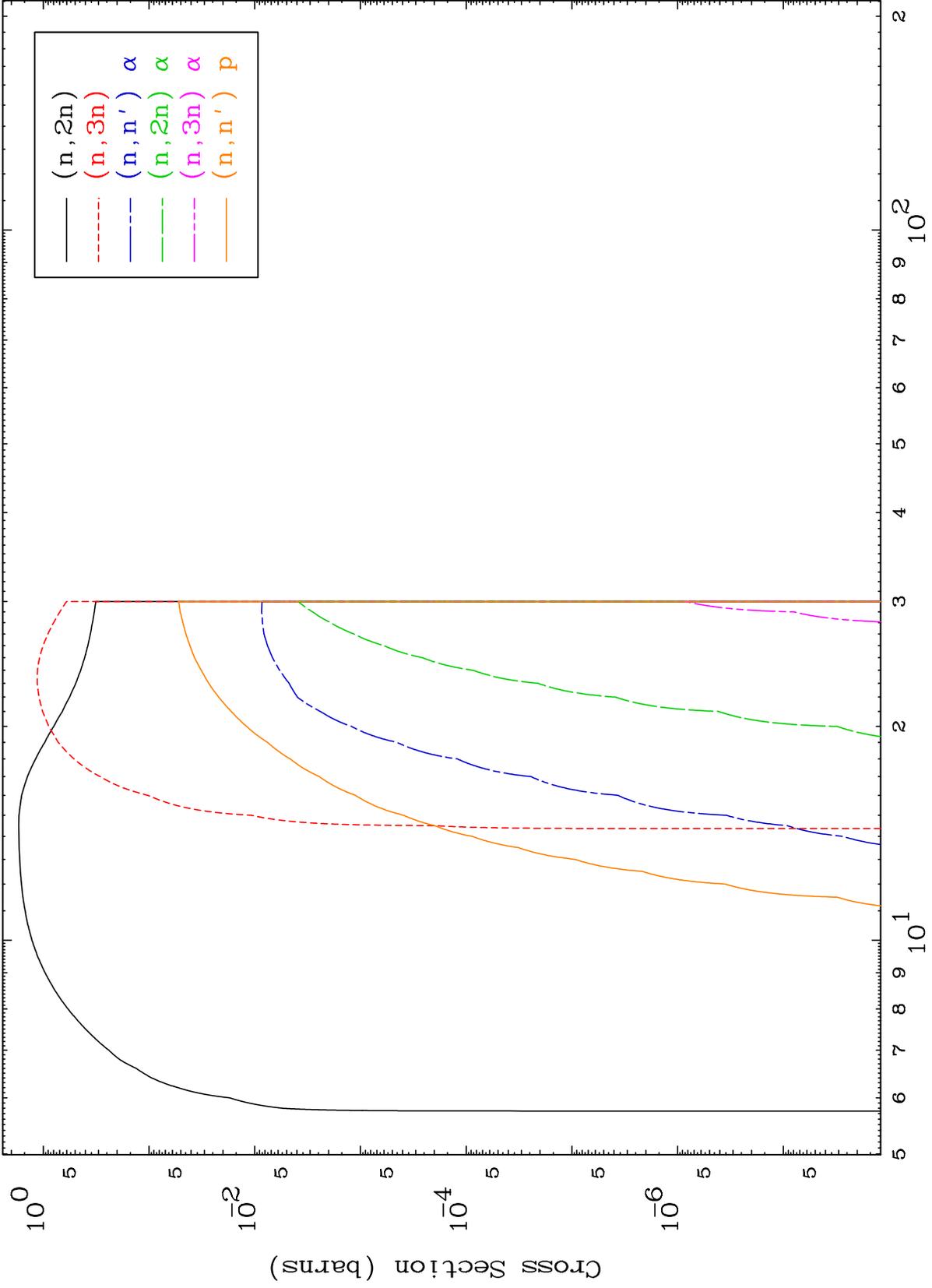
Press Mouse Button to Start



MAT 4948

Neutron Production  
293 Kelvin Cross Sections

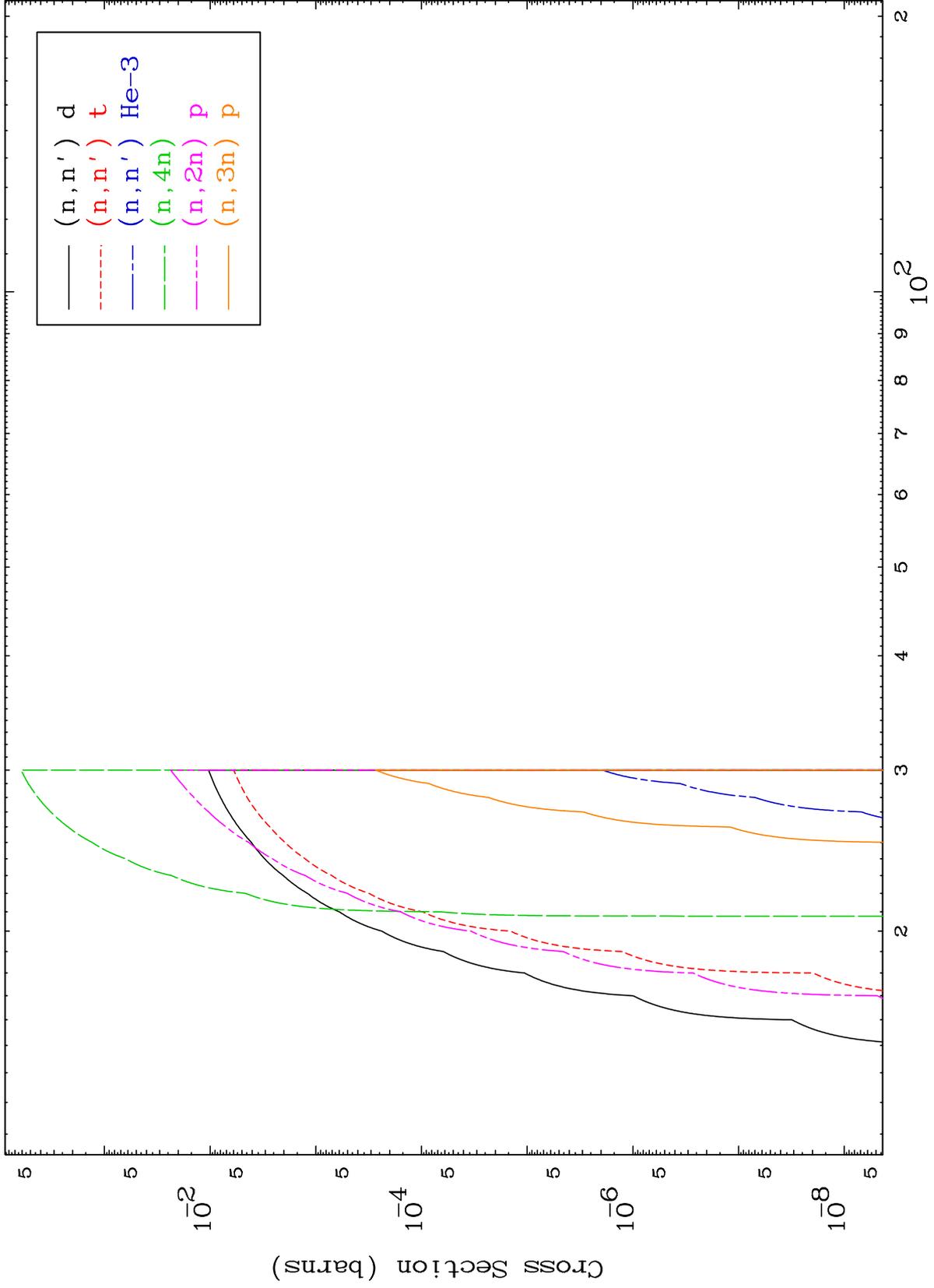
49-In-120



2

Incident Energy (MeV)

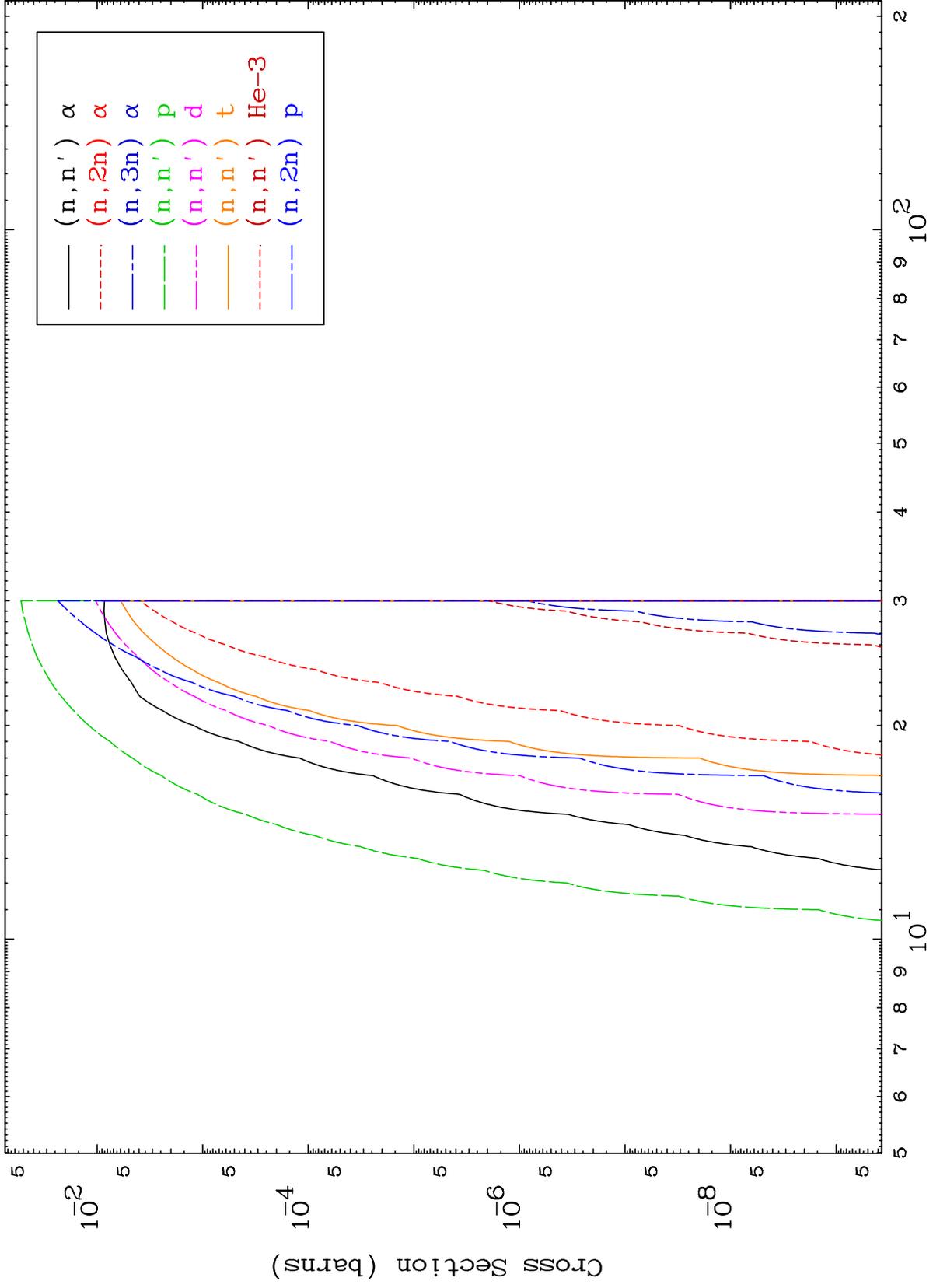
49-In-120



MAT 4948

Charged Particle  
293 Kelvin Cross Sections

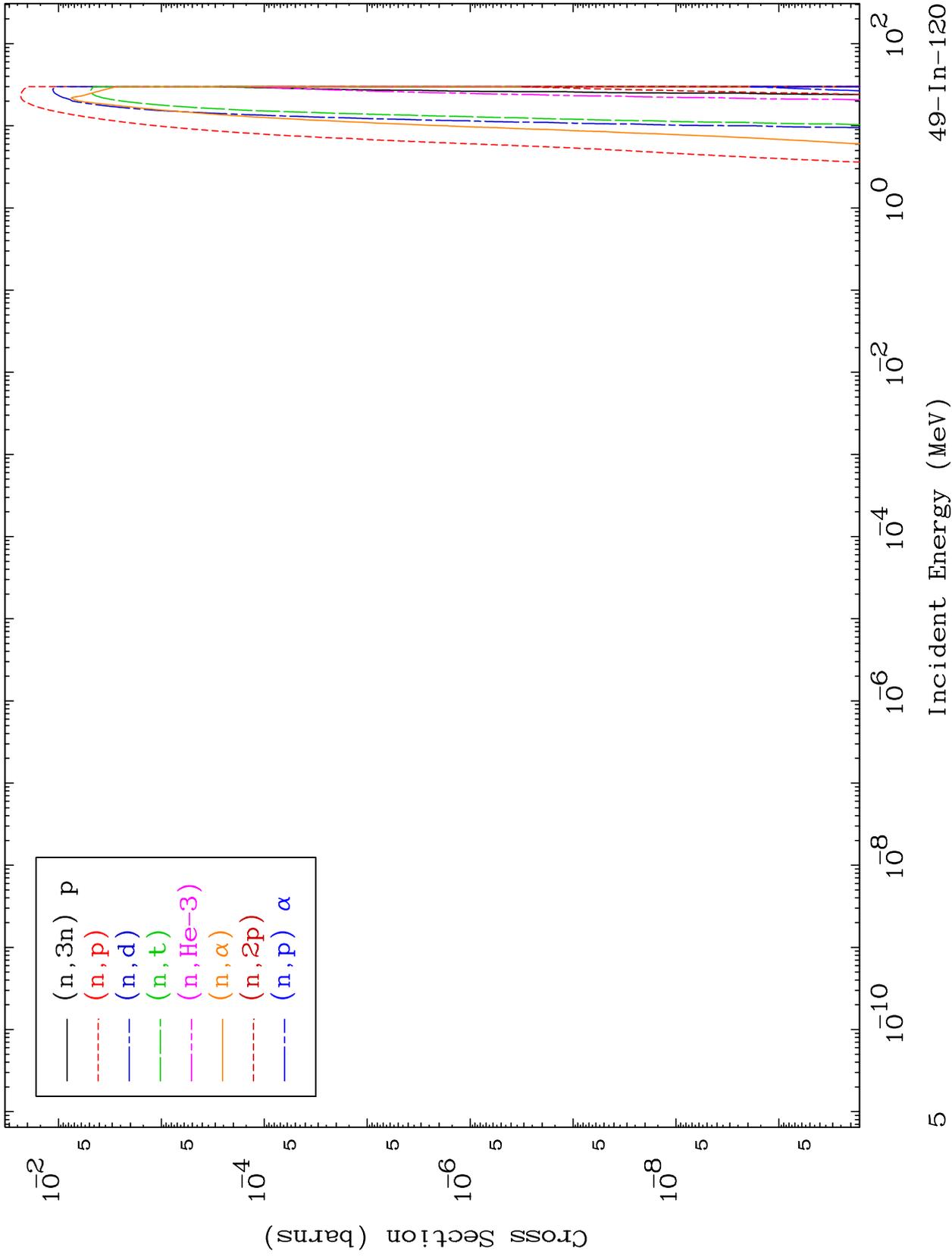
49-In-120



MAT 4948

Charged Particle  
293 Kelvin Cross Sections

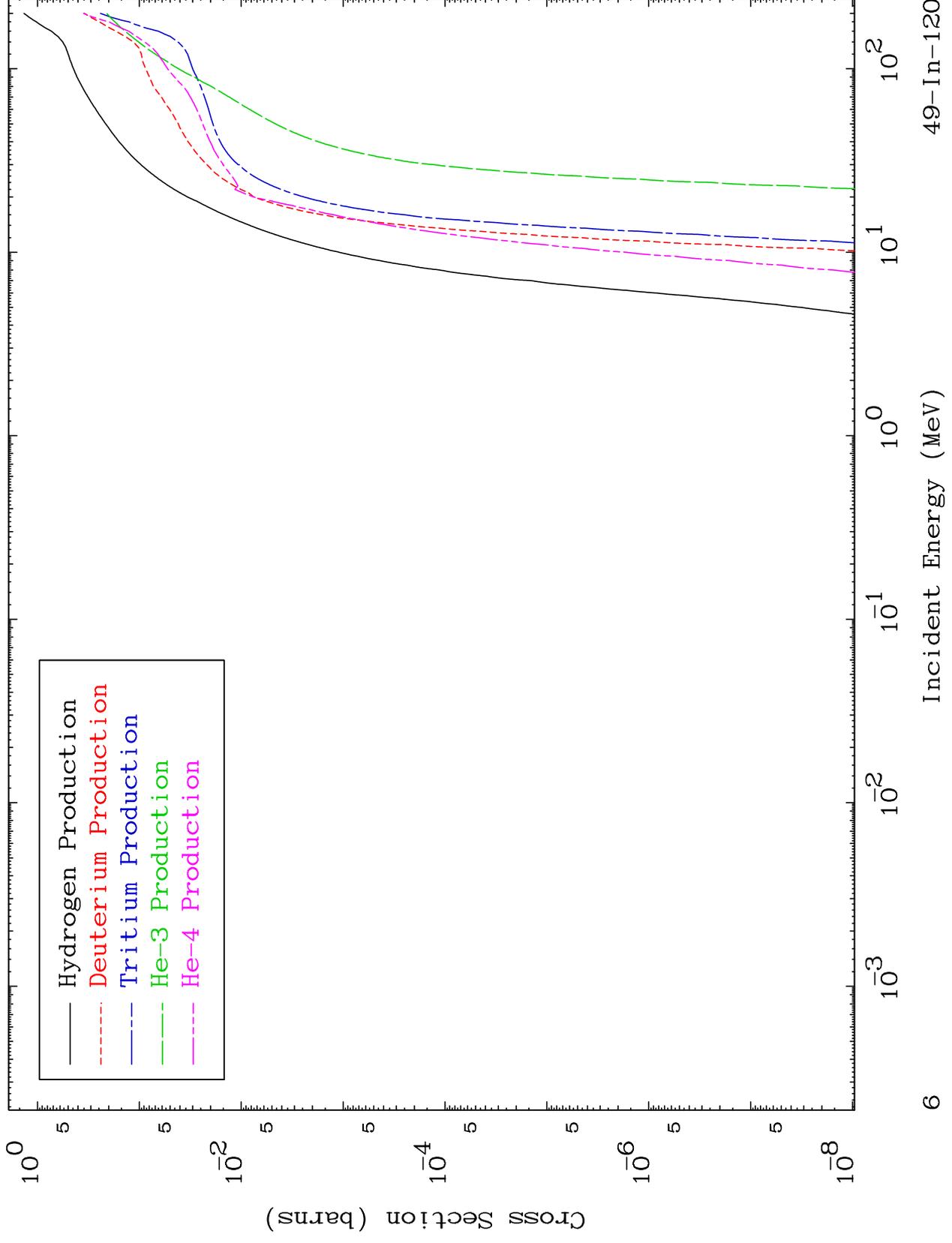
49-In-120



MAT 4948

Particle Production  
293 Kelvin Cross Sections

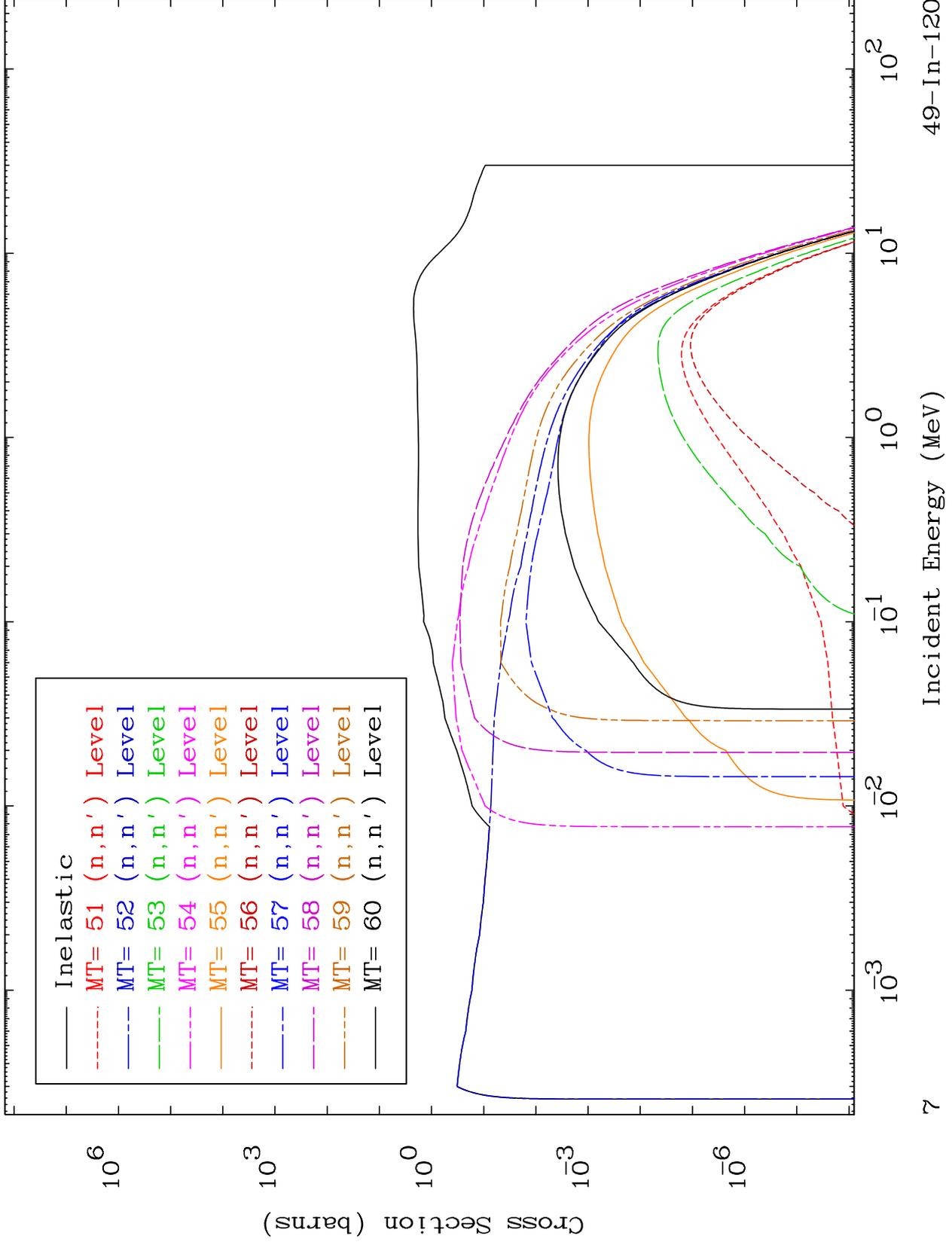
49-In-120



MAT 4948

(n,n') Level  
293 Kelvin Cross Sections

49-In-120

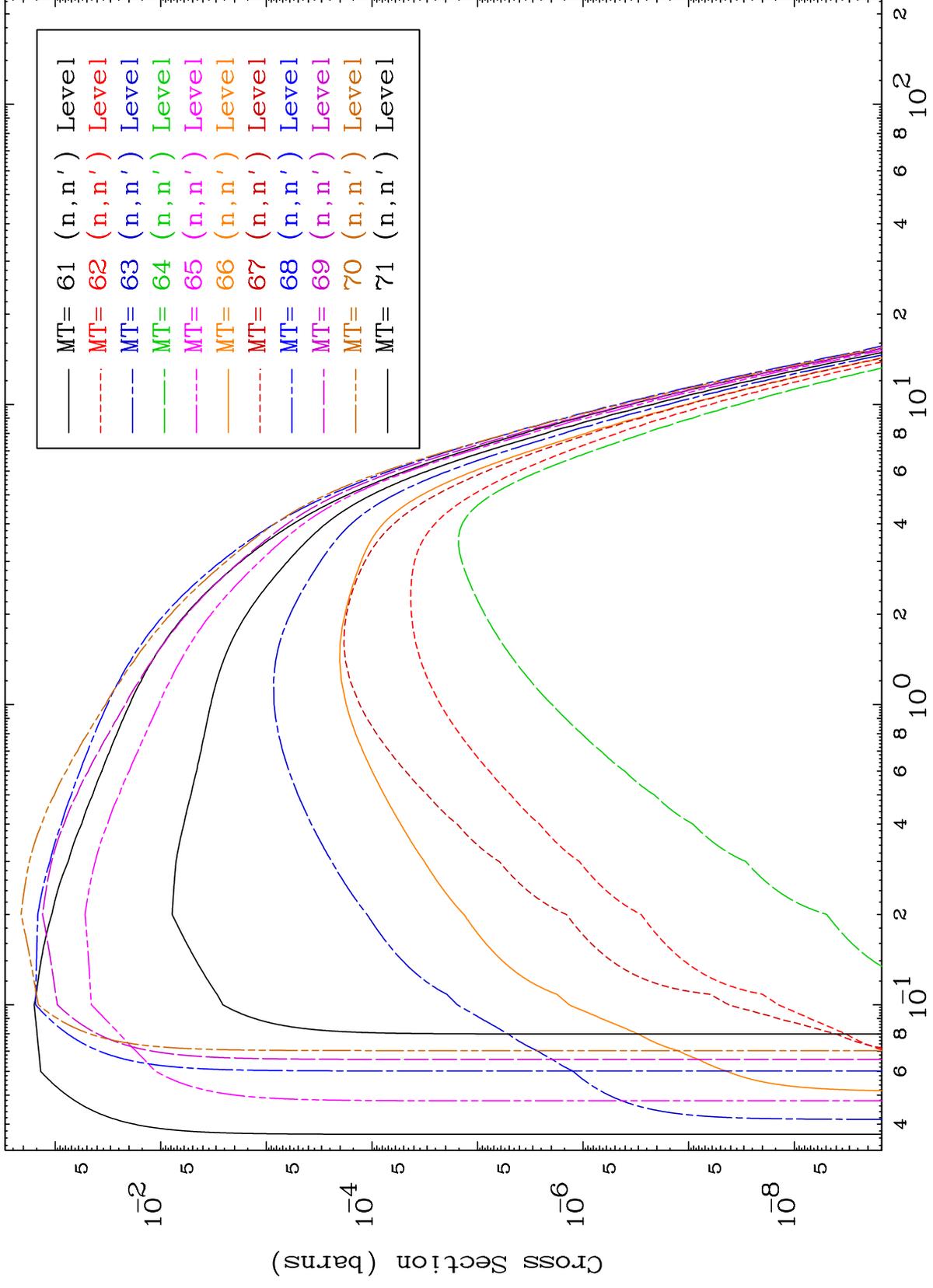


MAT 4948

(n,n') Level

293 Kelvin Cross Sections

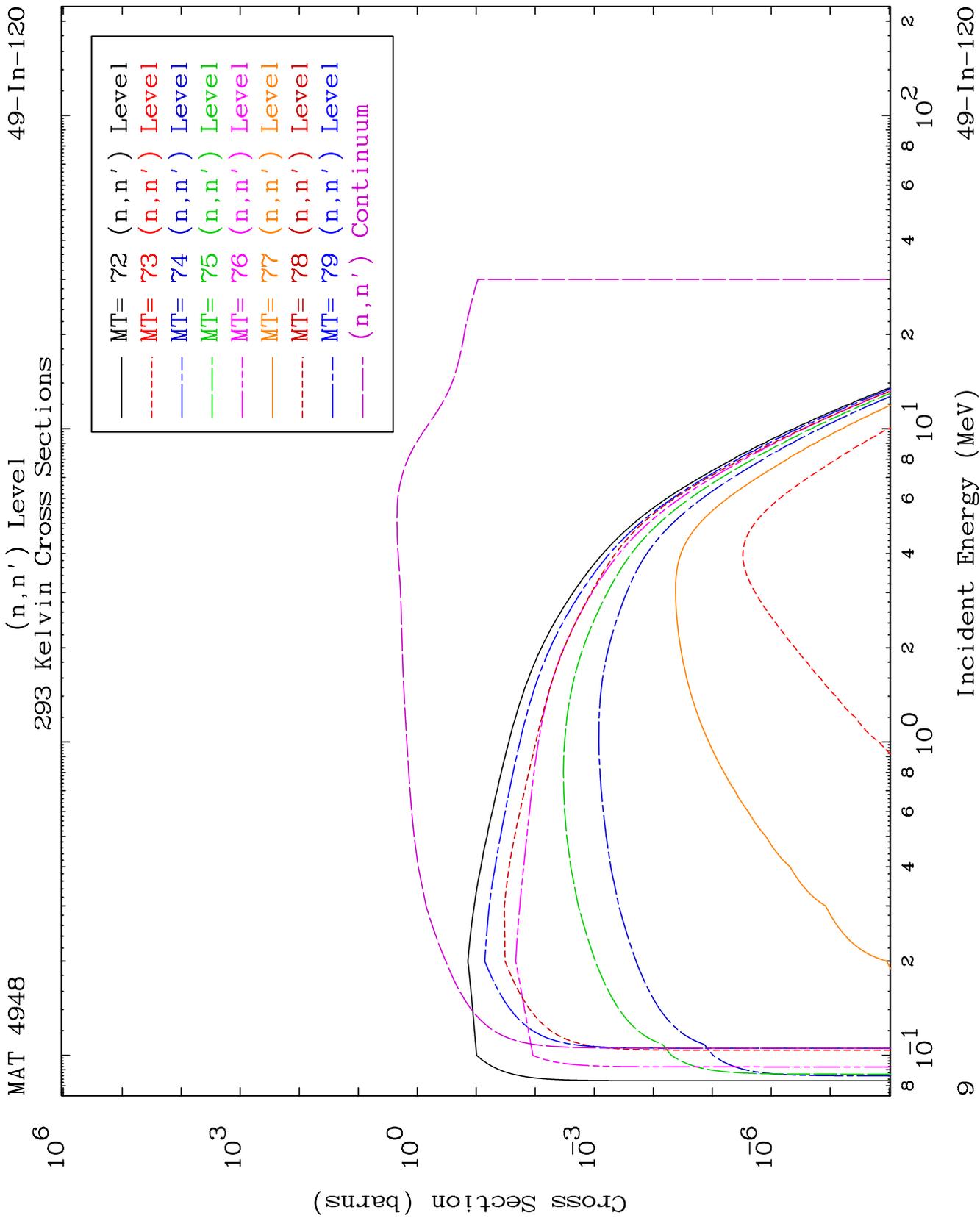
49-In-120



8

Incident Energy (MeV)

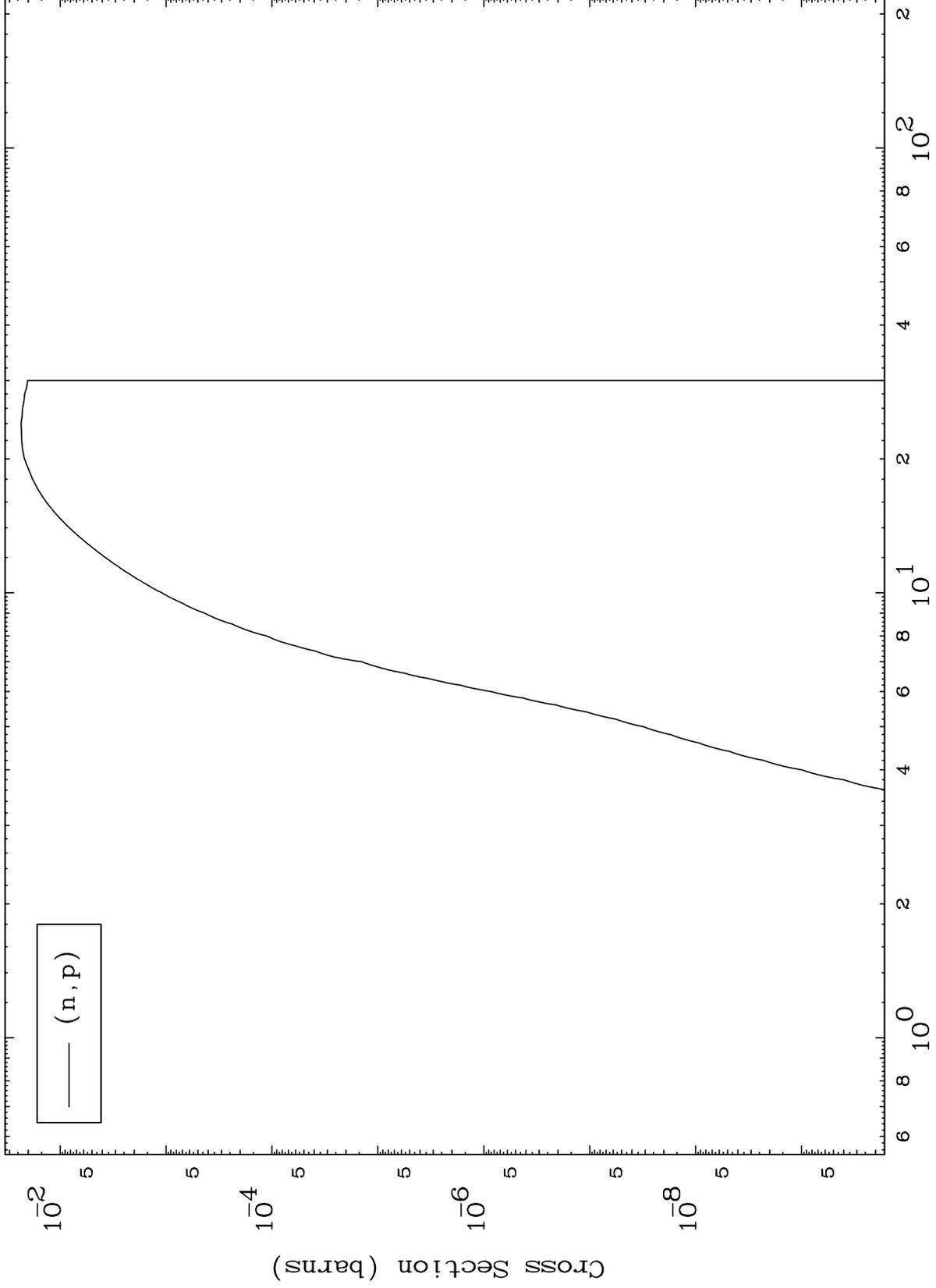
49-In-120



MAT 4948

(n,p) Levels  
293 Kelvin Cross Sections

49-In-120



10

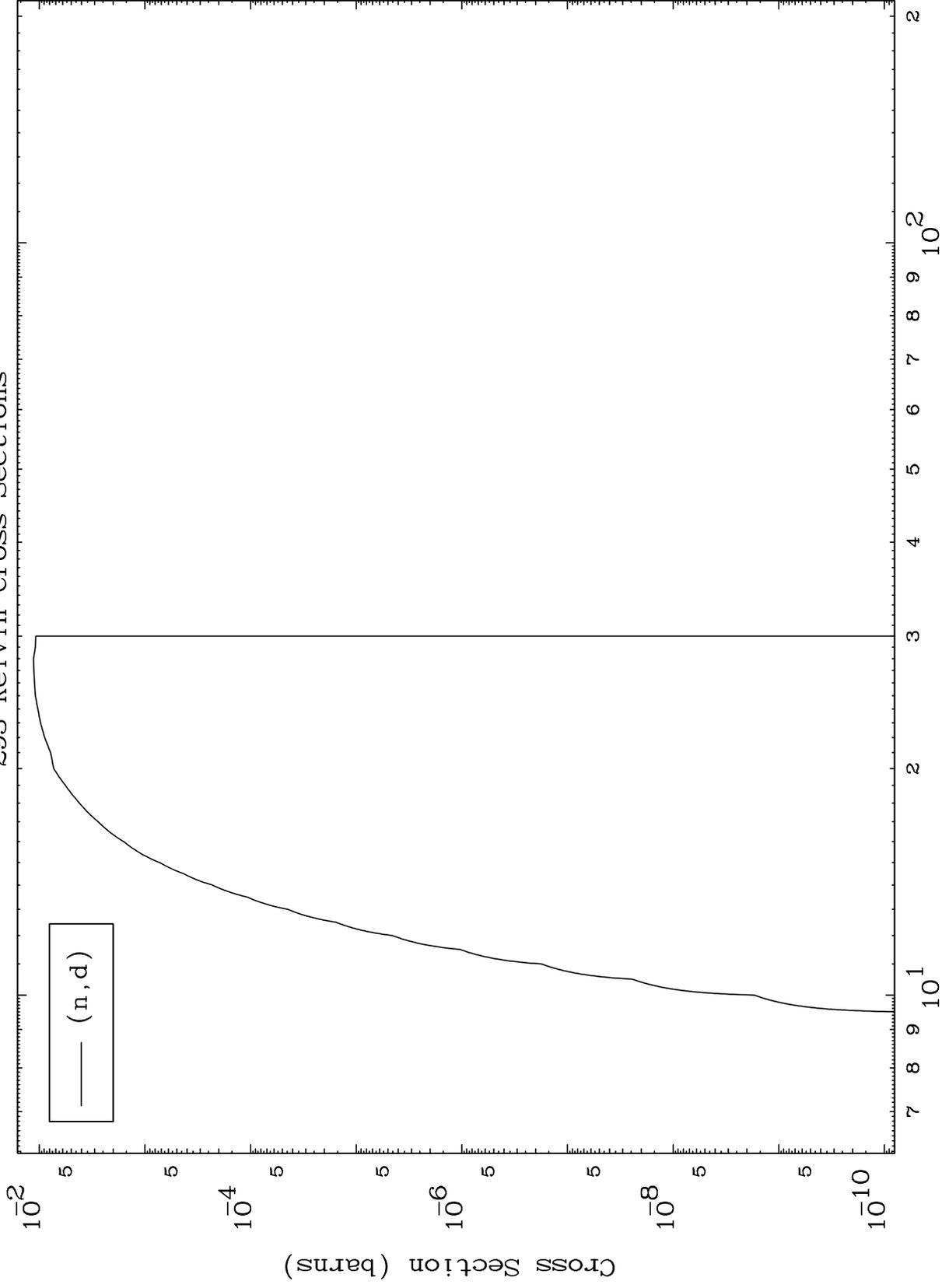
Incident Energy (MeV)

49-In-120

MAT 4948

(n,d) Levels  
293 Kelvin Cross Sections

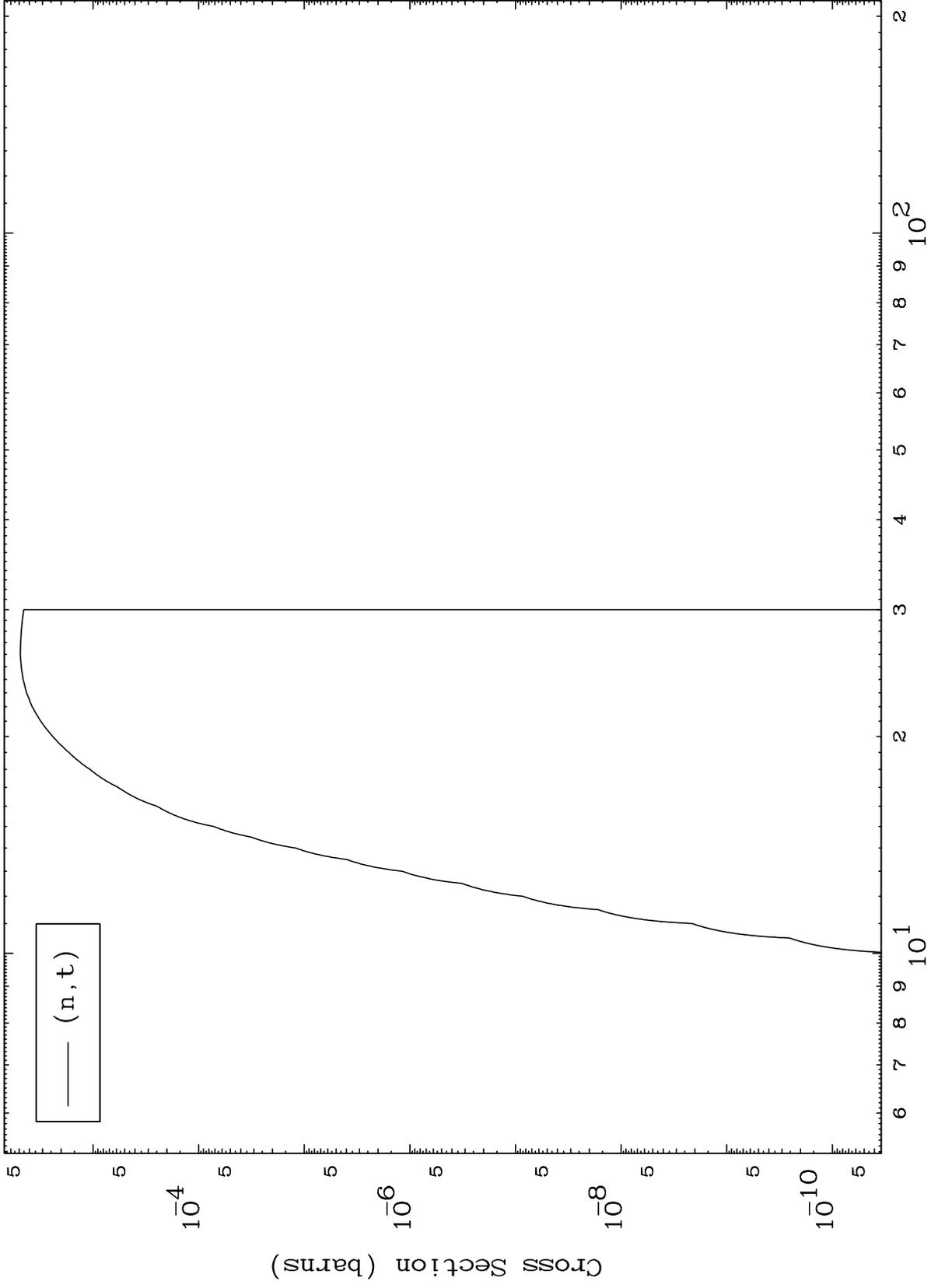
49-In-120



MAT 4948

(n,t) Levels  
293 Kelvin Cross Sections

49-In-120



12

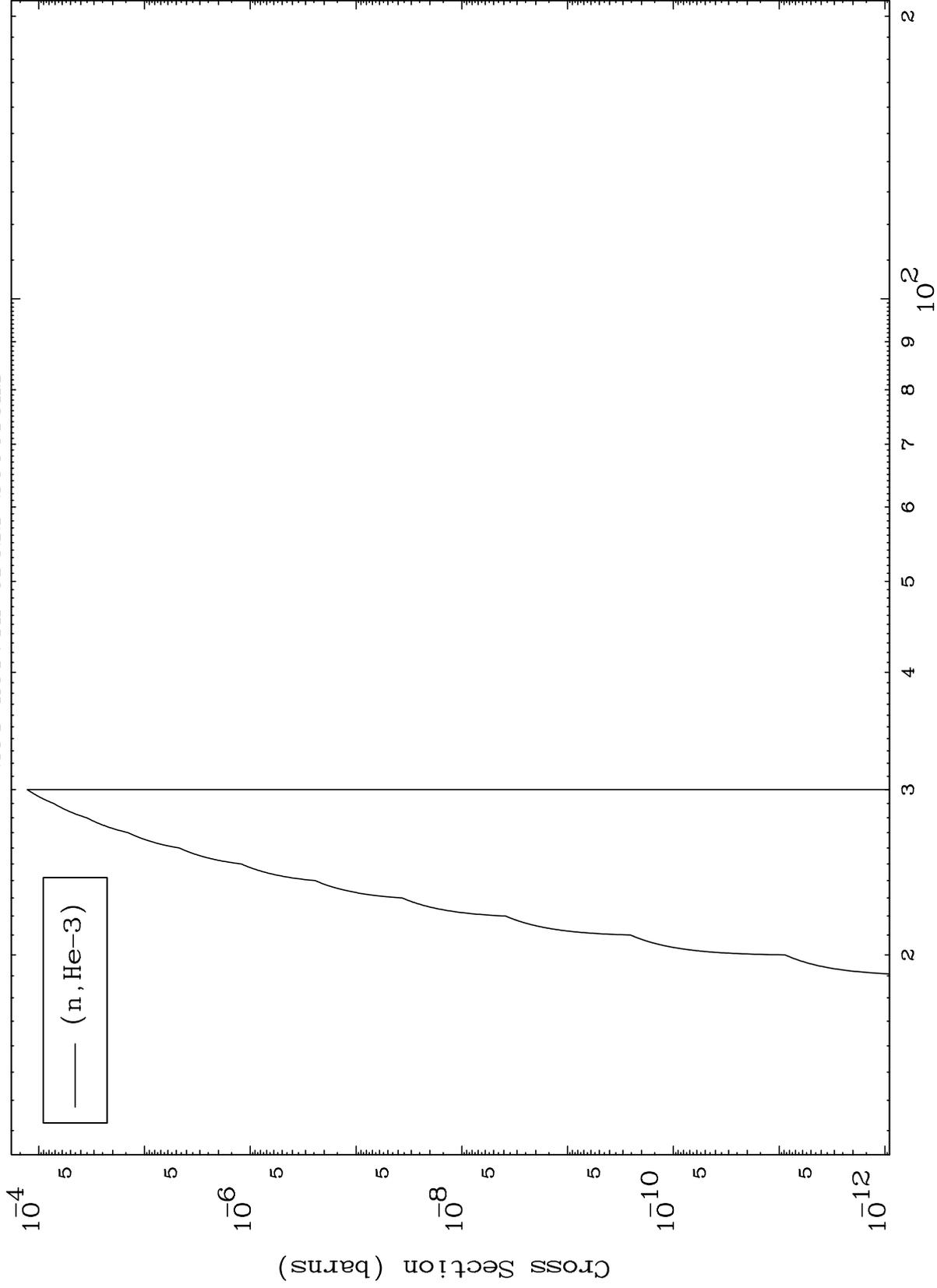
Incident Energy (MeV)

49-In-120

MAT 4948

(n,He3) Levels  
293 Kelvin Cross Sections

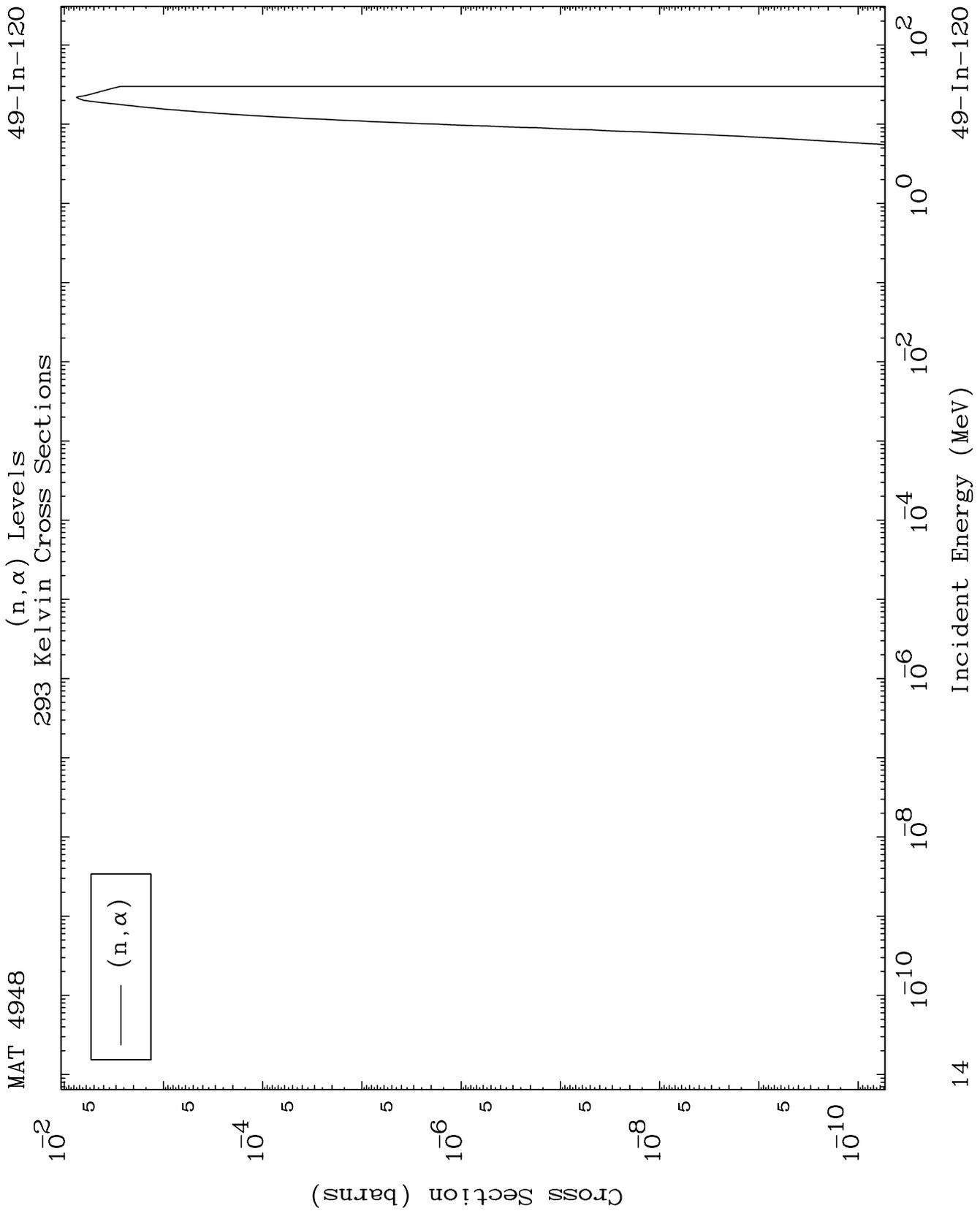
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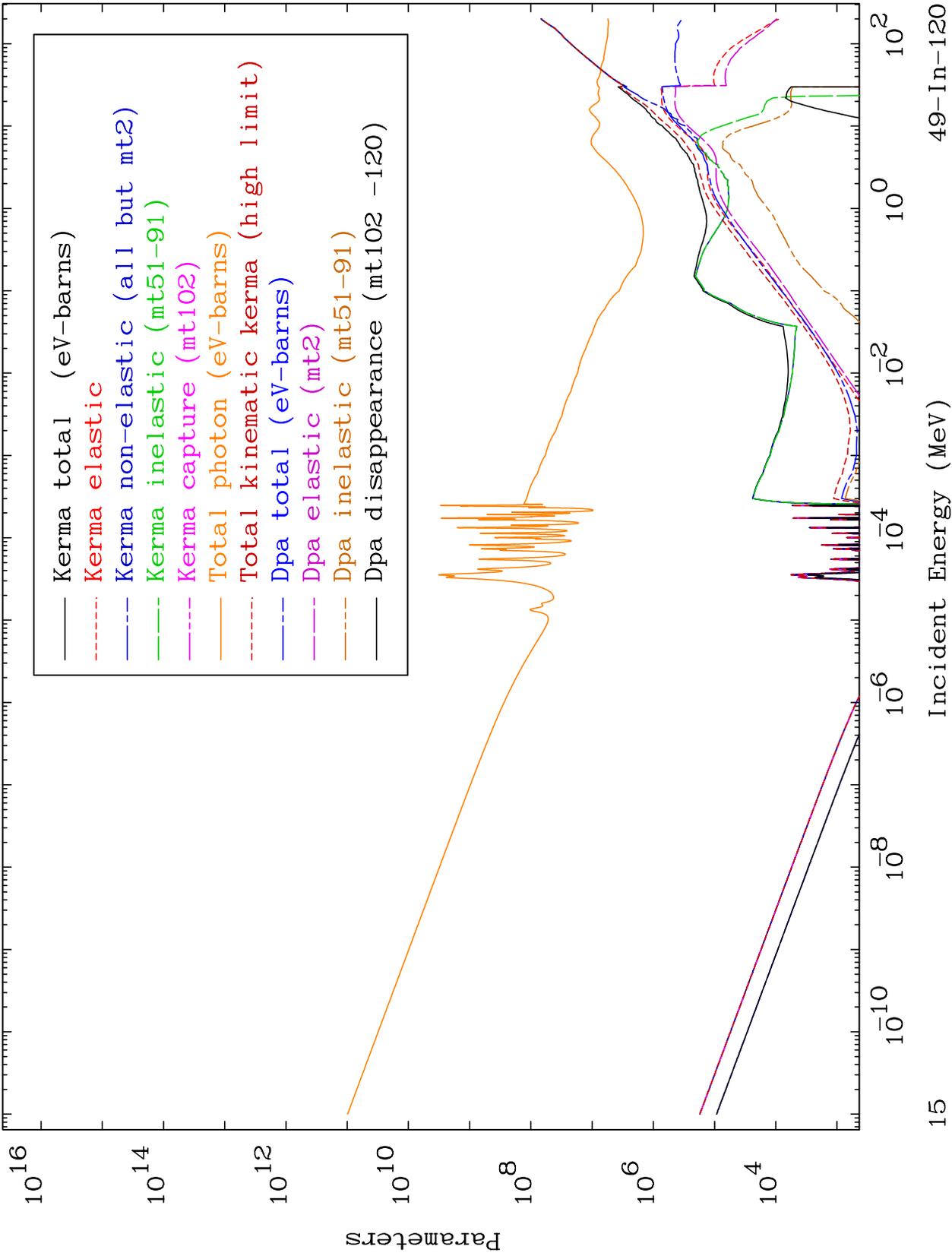


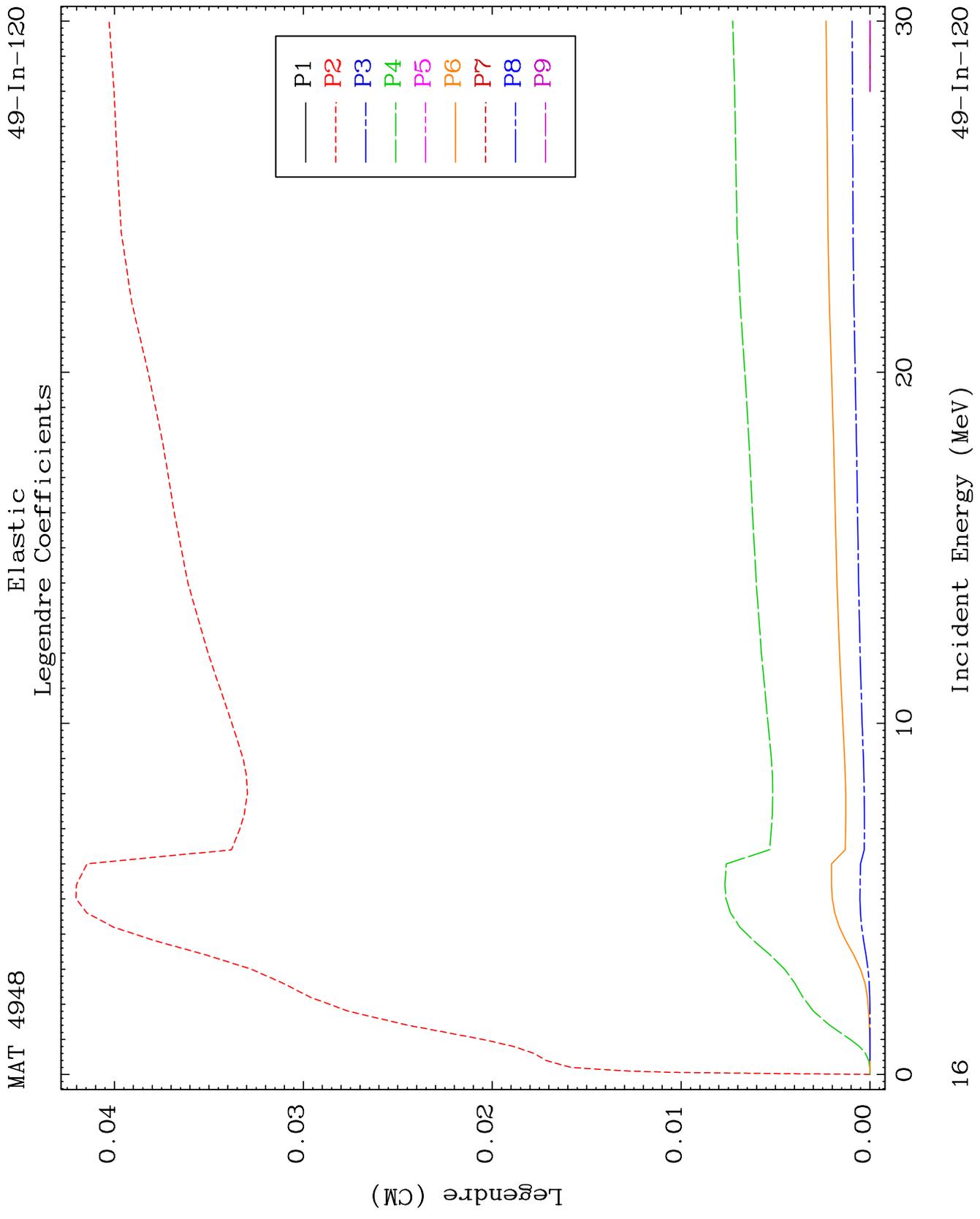
13

Incident Energy (MeV)

49-In-120



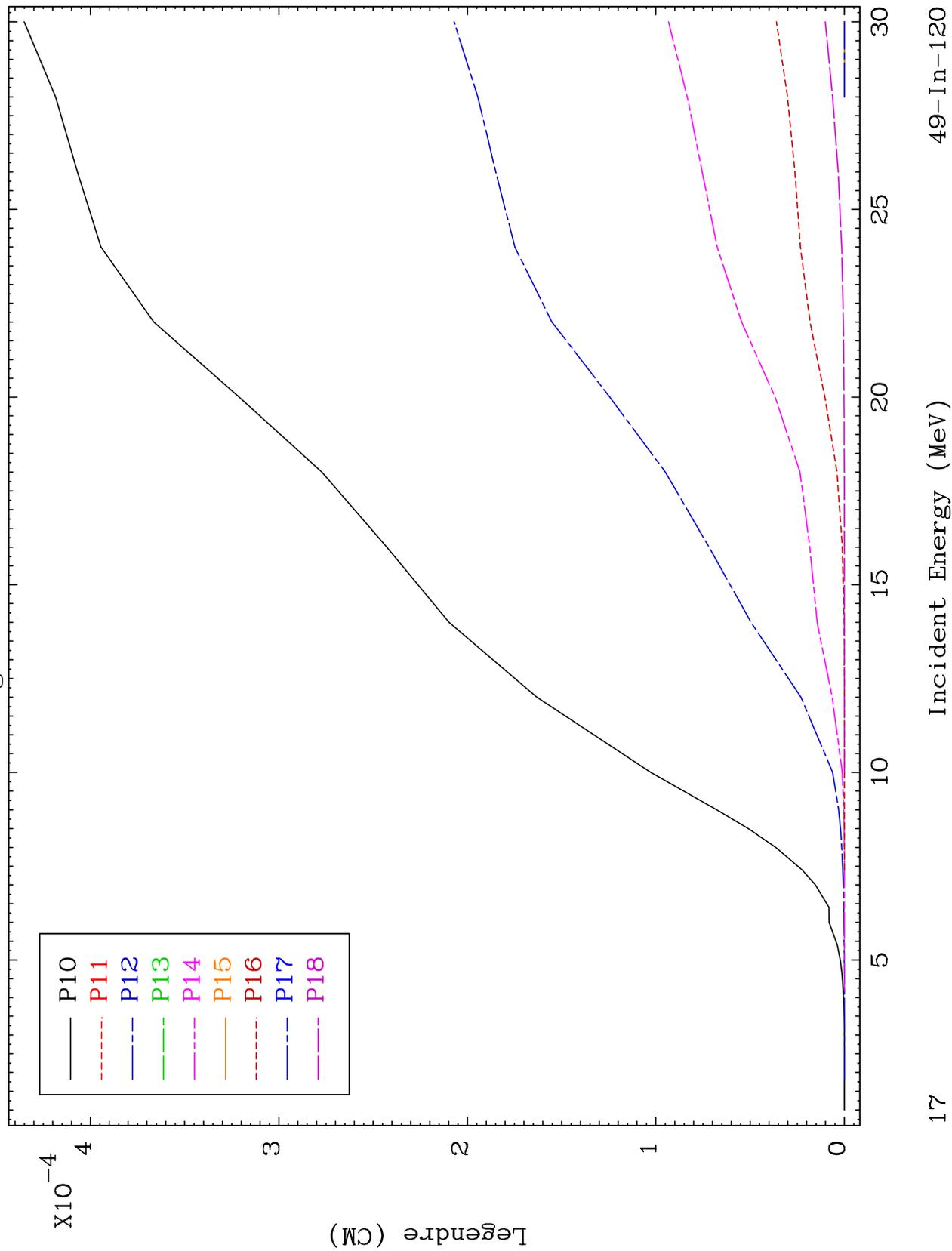




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Elastic Legendre Coefficients

49-In-120

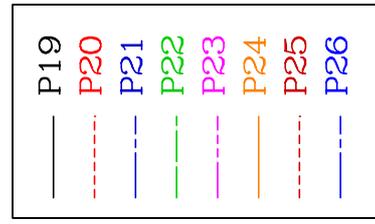


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MAT 4948

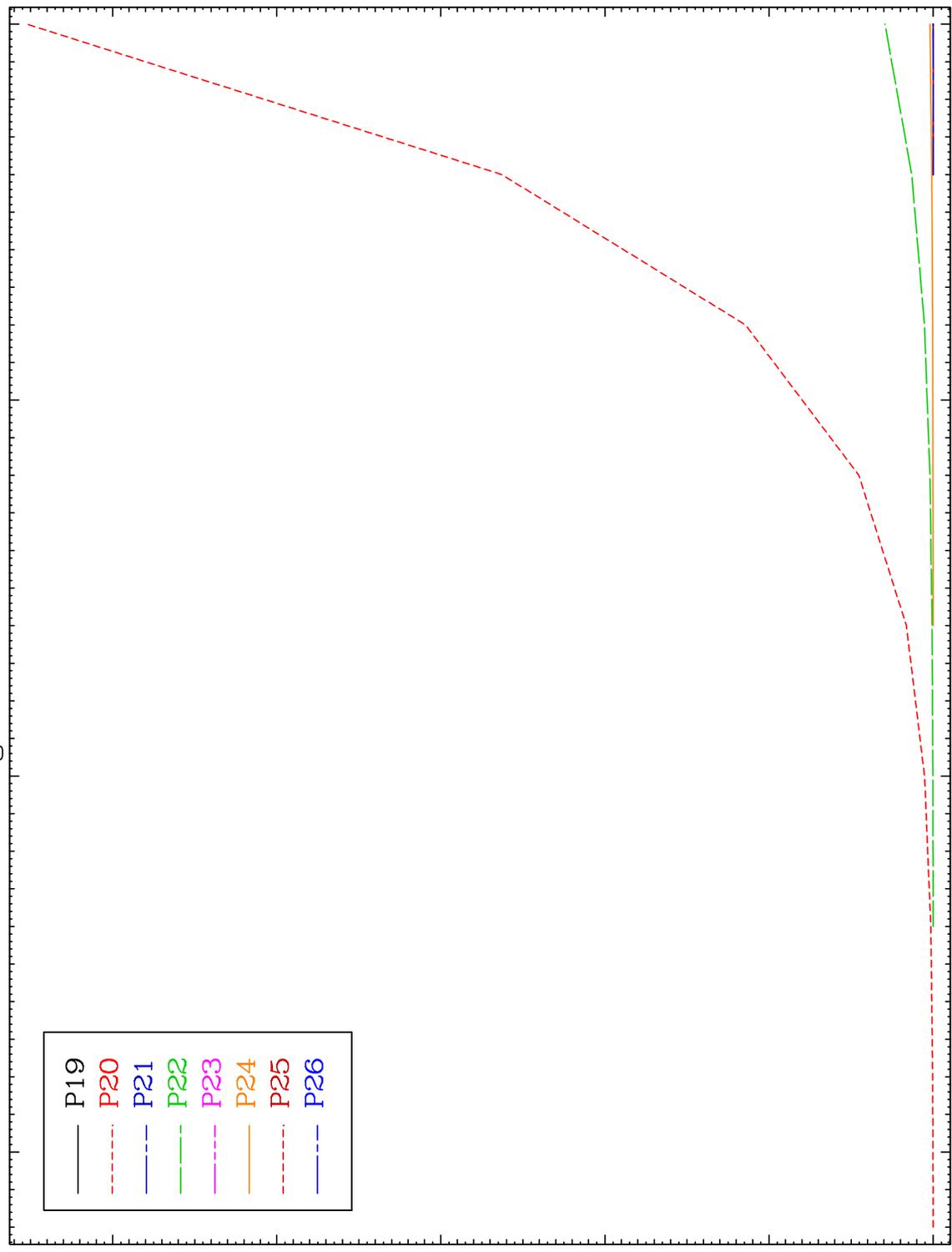
Elastic Legendre Coefficients

49-In-120



$\times 10^{-7}$

Legendre (CM)



18

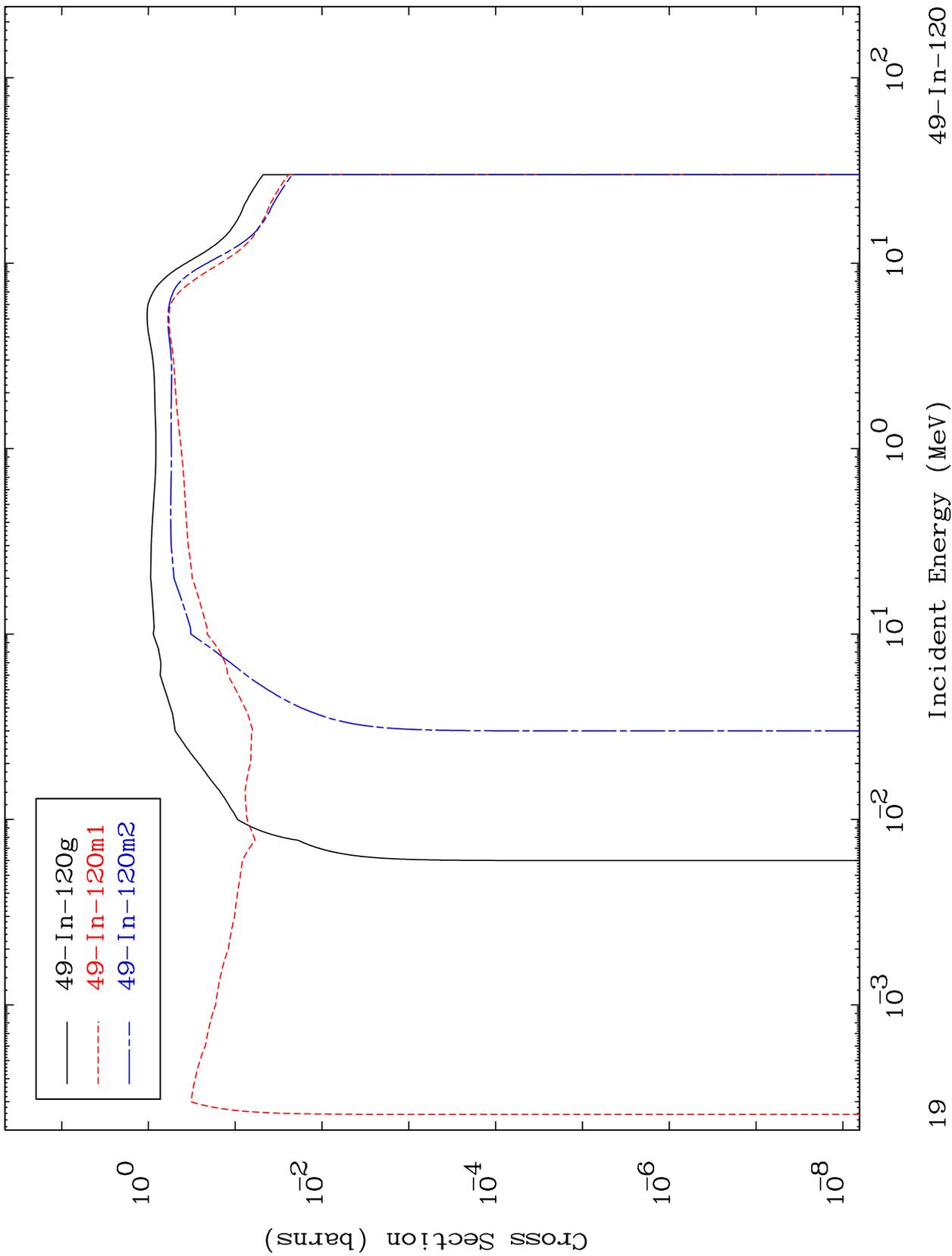
Incident Energy (MeV)

49-In-120

MAT 4948

49-In-120

Radionuclide Production Cross Section



19

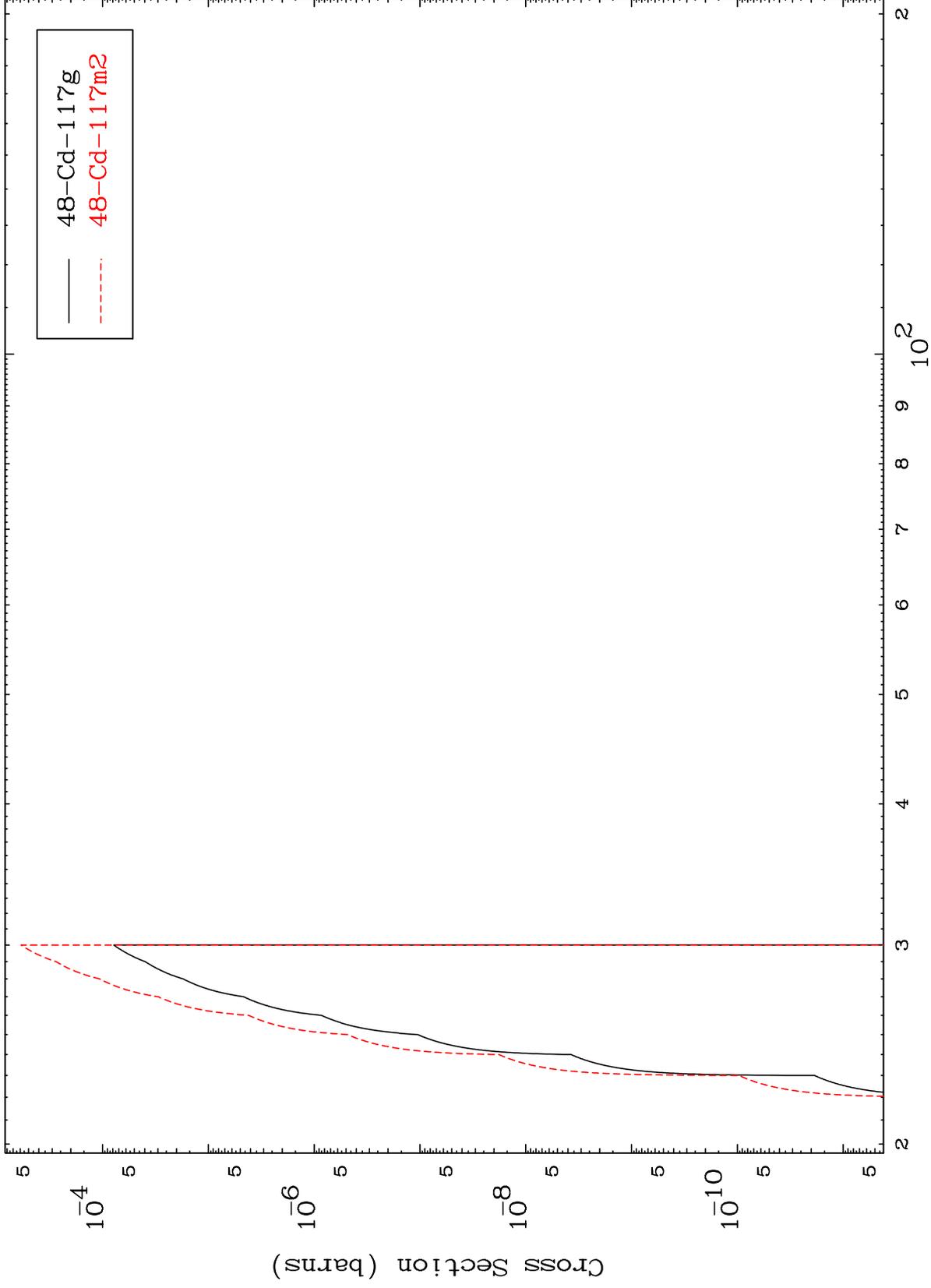
49-In-120

MAT 4948

(n,2n) d

49-In-120

Radionuclide Production Cross Section



20

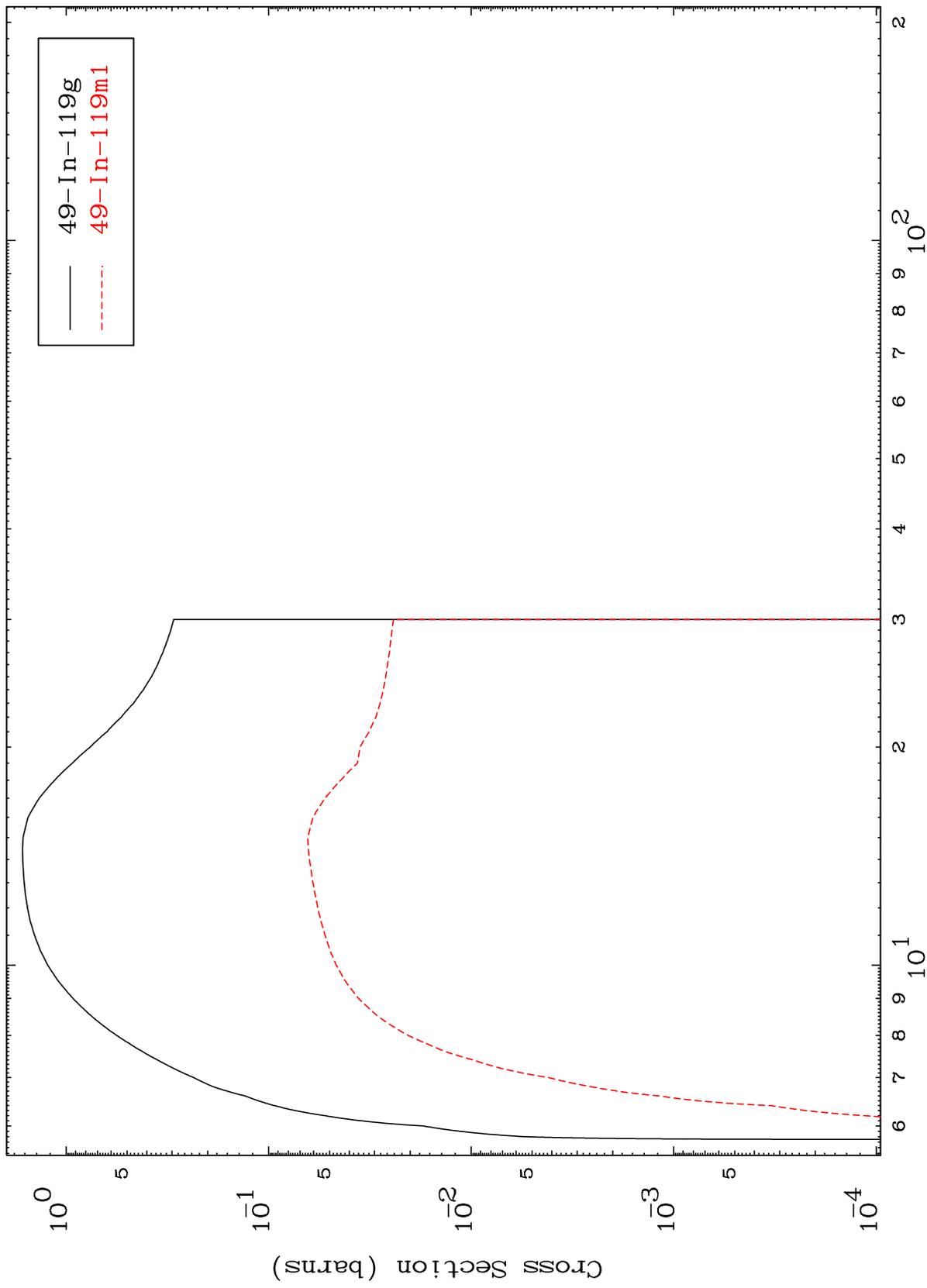
Incident Energy (MeV)

49-In-120

MAT 4948

49-In-120

(n,2n)  
Radionuclide Production Cross Section



21

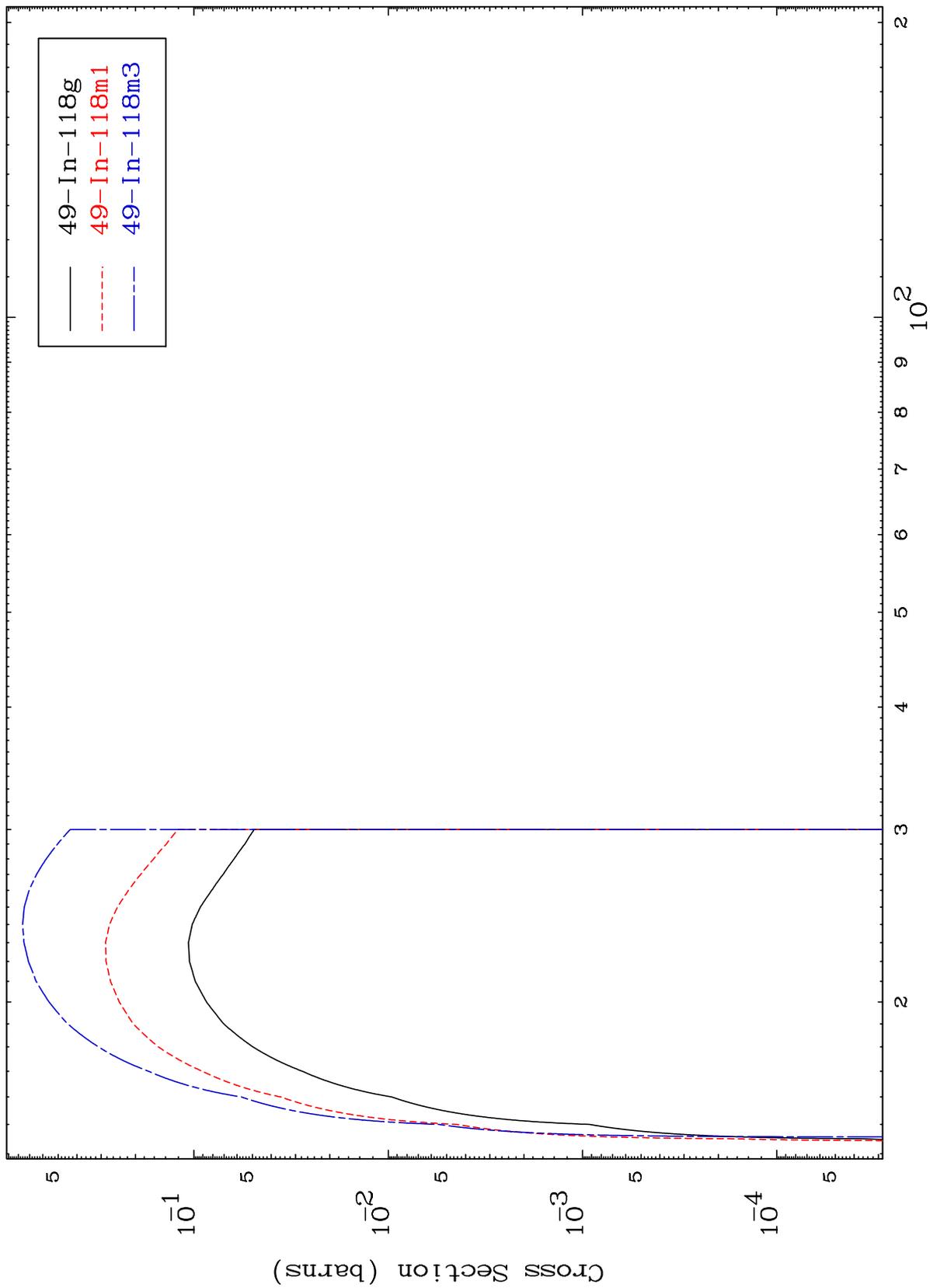
Incident Energy (MeV)

49-In-120

MAT 4948

49-In-120

(n,3n)  
Radionuclide Production Cross Section



22

Incident Energy (MeV)

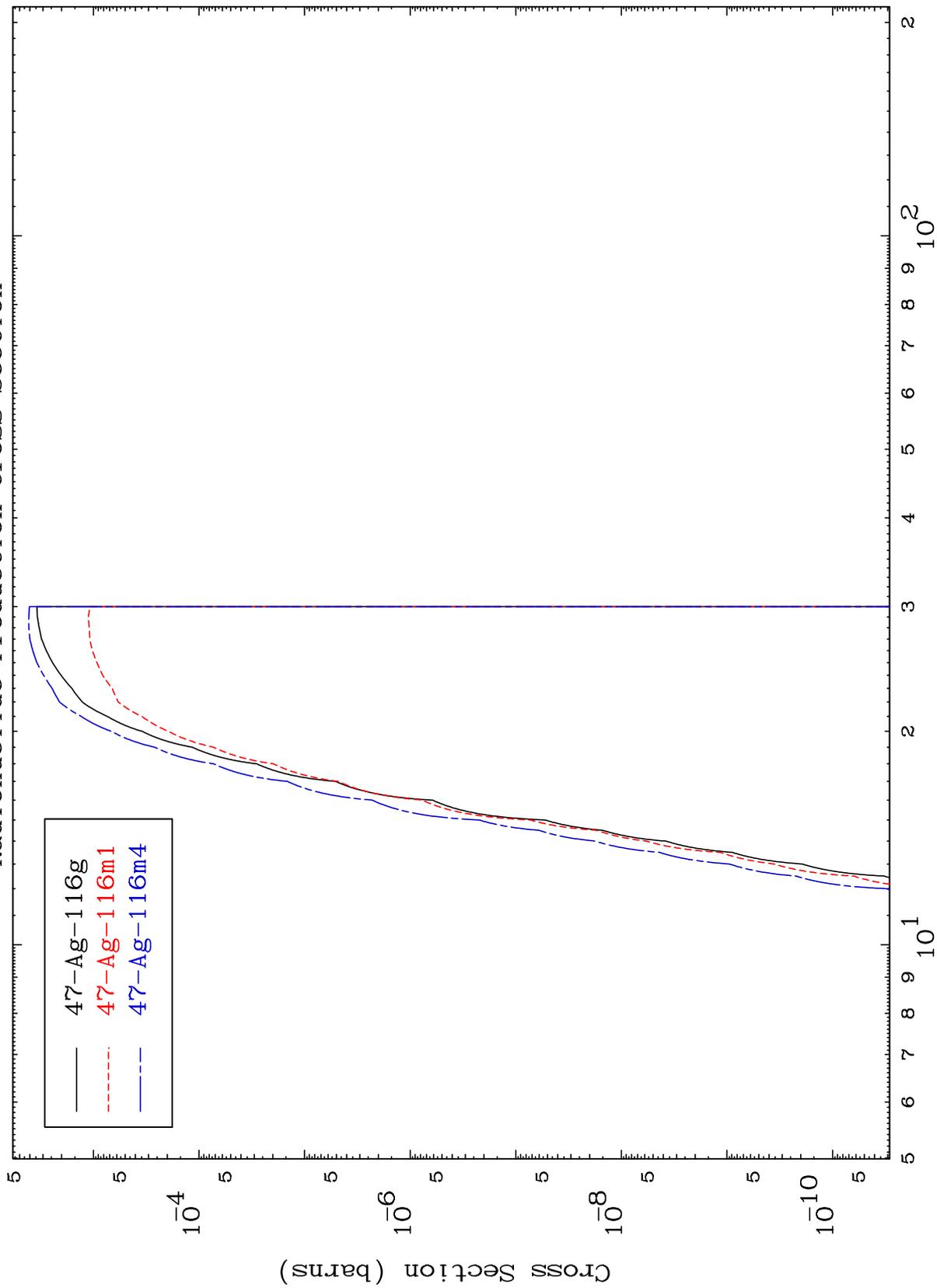
49-In-120

MAT 4948

49-In-120

(n,n')  $\alpha$

Radionuclide Production Cross Section



Incident Energy (MeV)

49-In-120

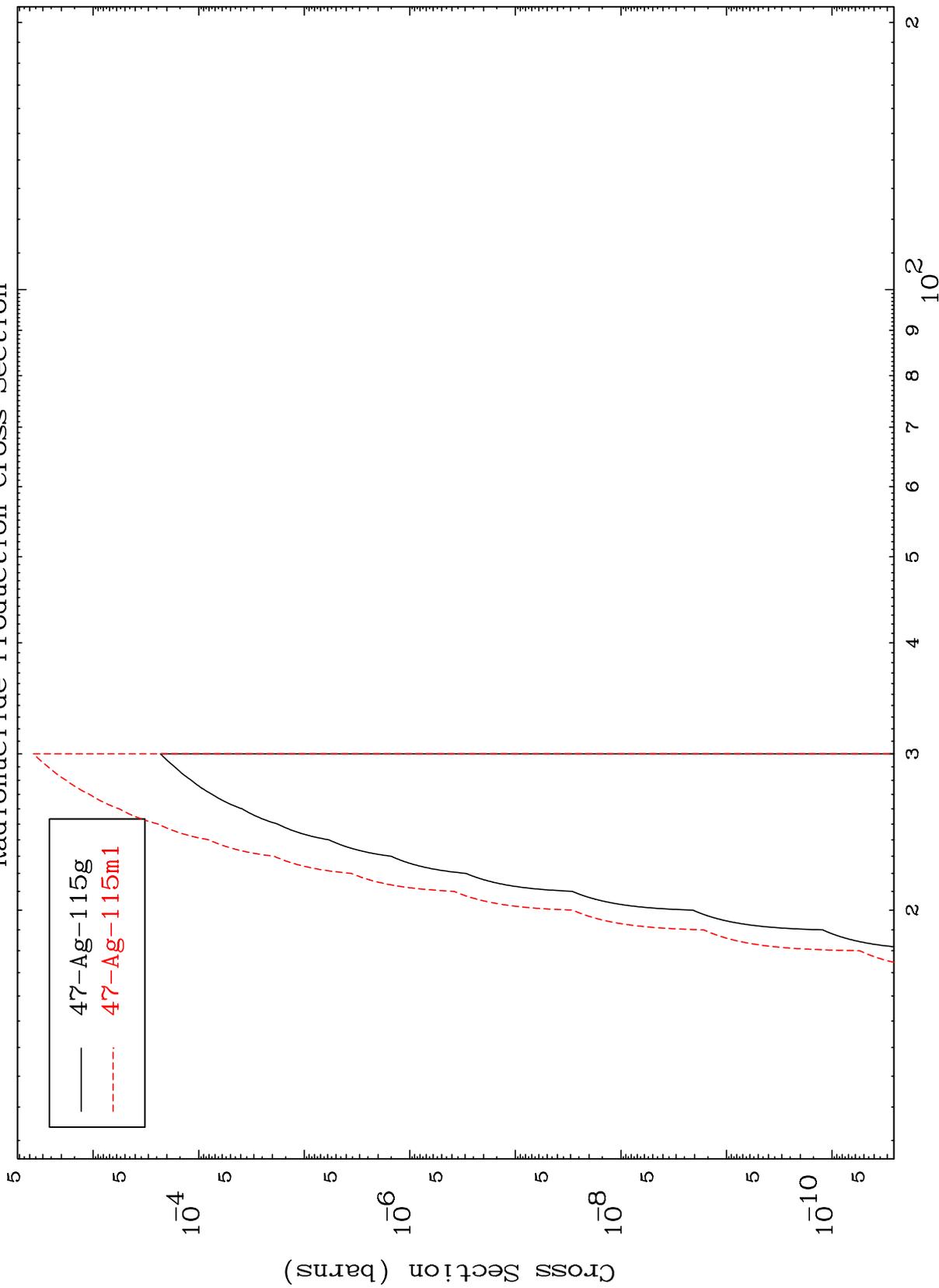
23

MAT 4948

(n,2n)  $\alpha$

49-In-120

Radionuclide Production Cross Section



24

Incident Energy (MeV)

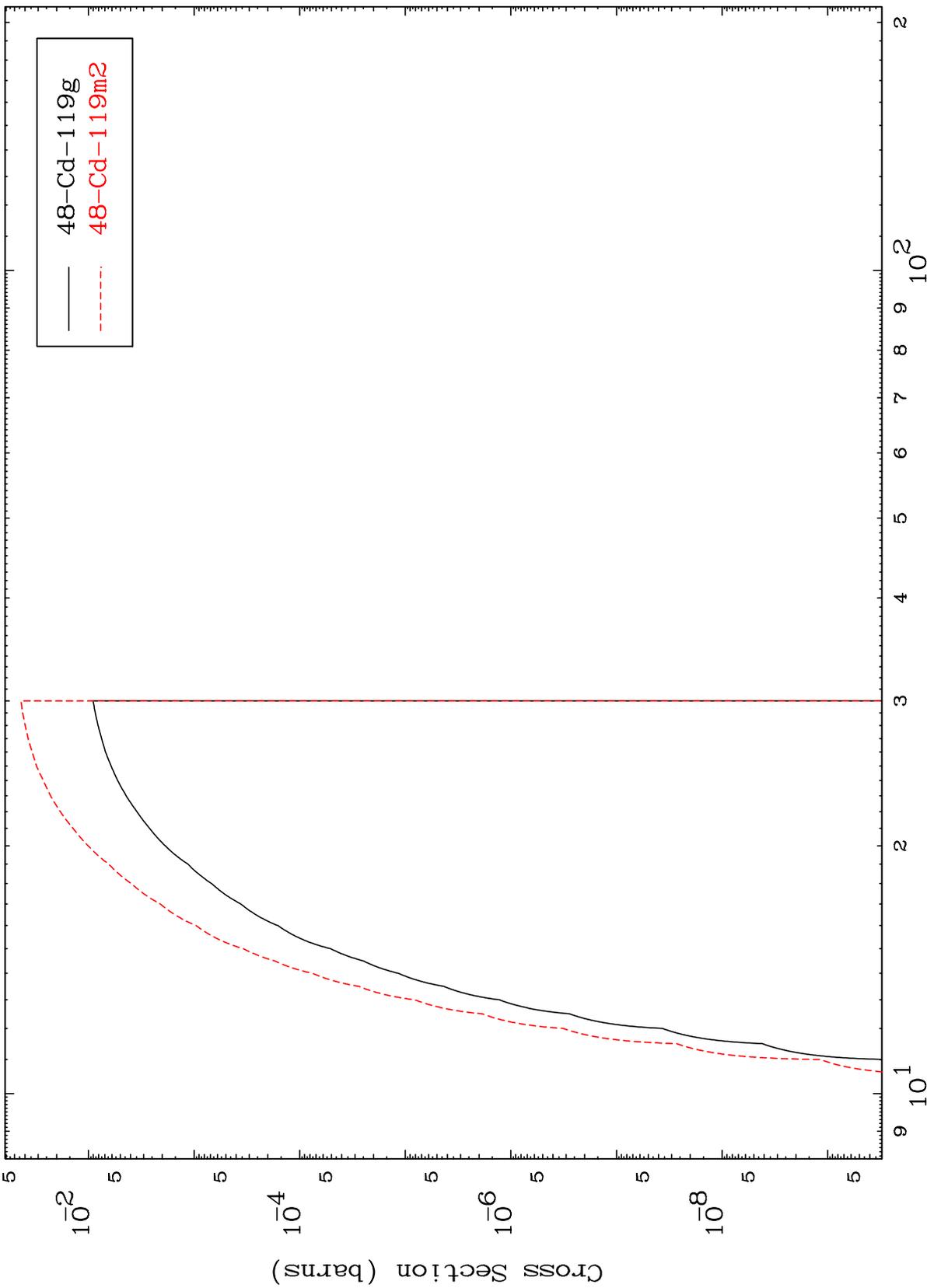
49-In-120

MAT 4948

(n,n') p

49-In-120

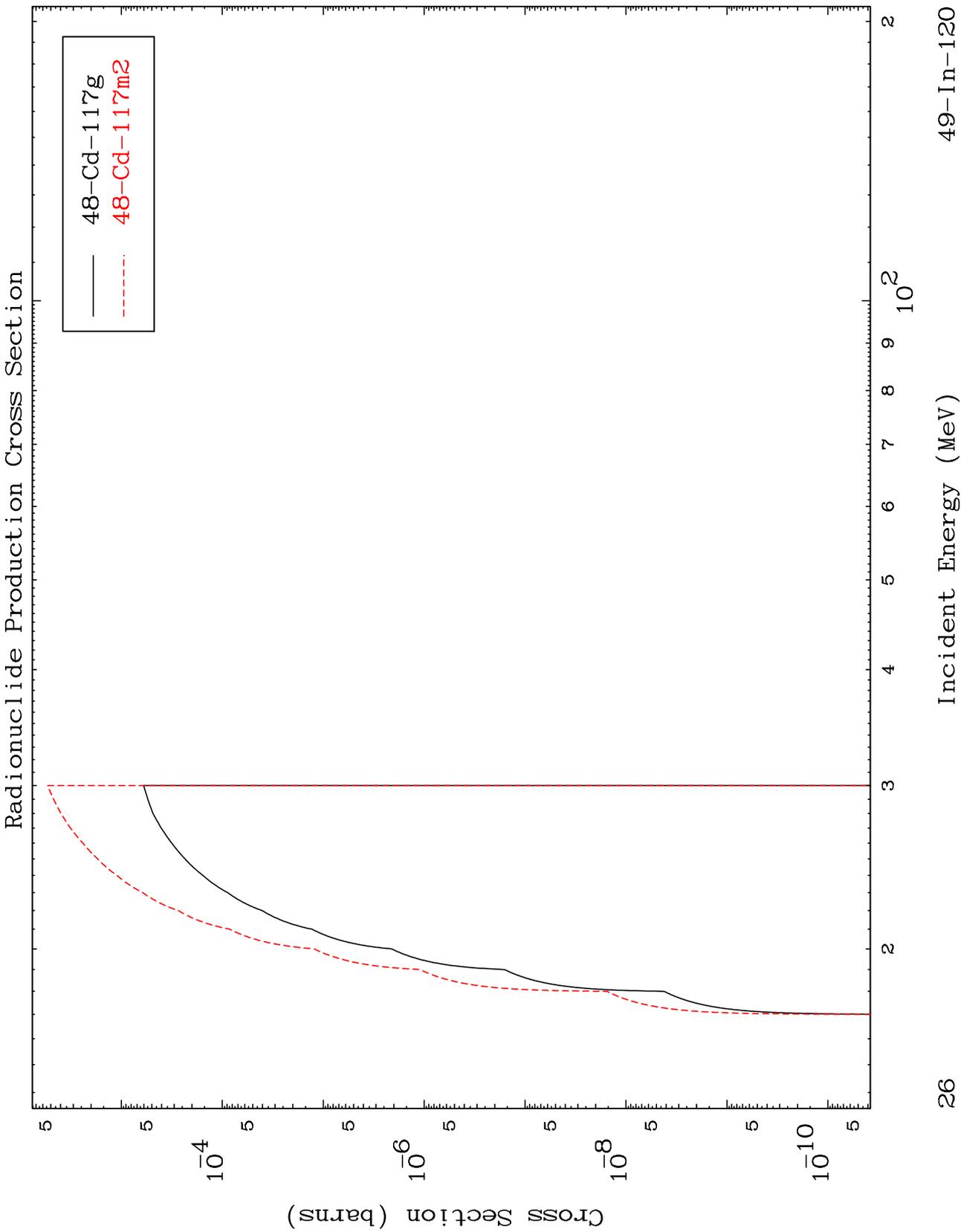
Radionuclide Production Cross Section



25

Incident Energy (MeV)

49-In-120

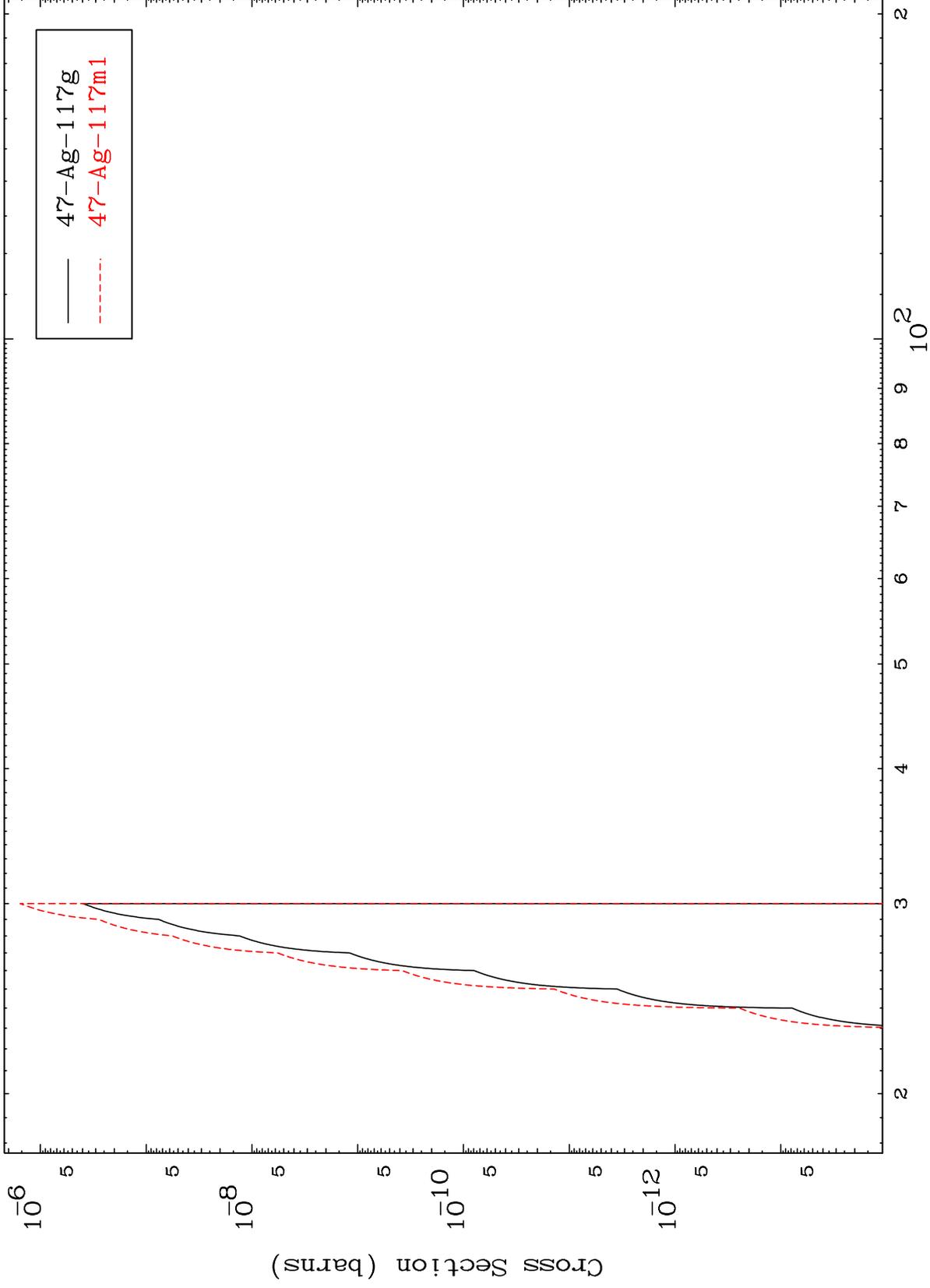


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(n,n') He-3

49-In-120

Radionuclide Production Cross Section



27

Incident Energy (MeV)

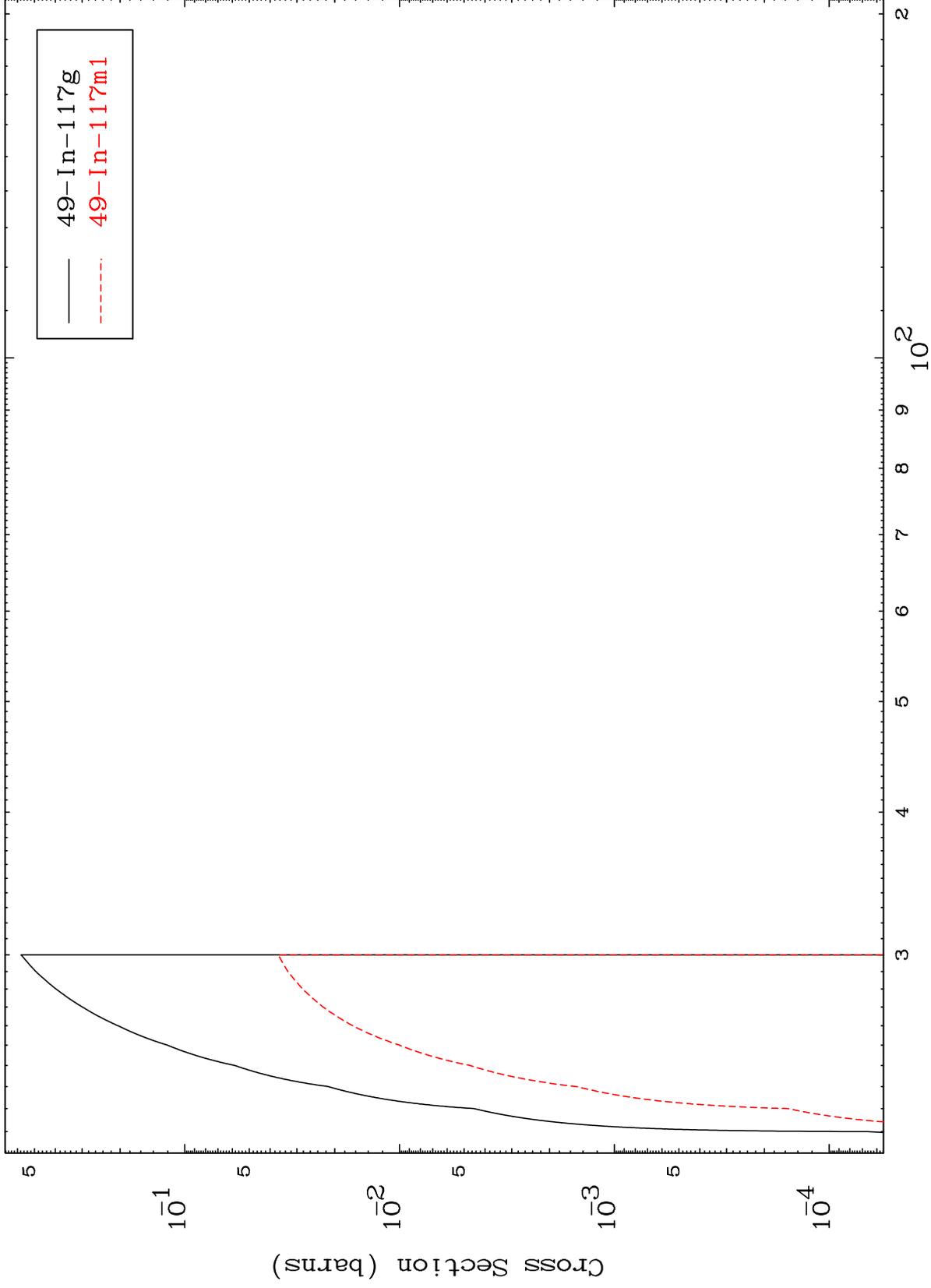
49-In-120

MAT 4948

(n,4n)

49-In-120

Radionuclide Production Cross Section



28

Incident Energy (MeV)

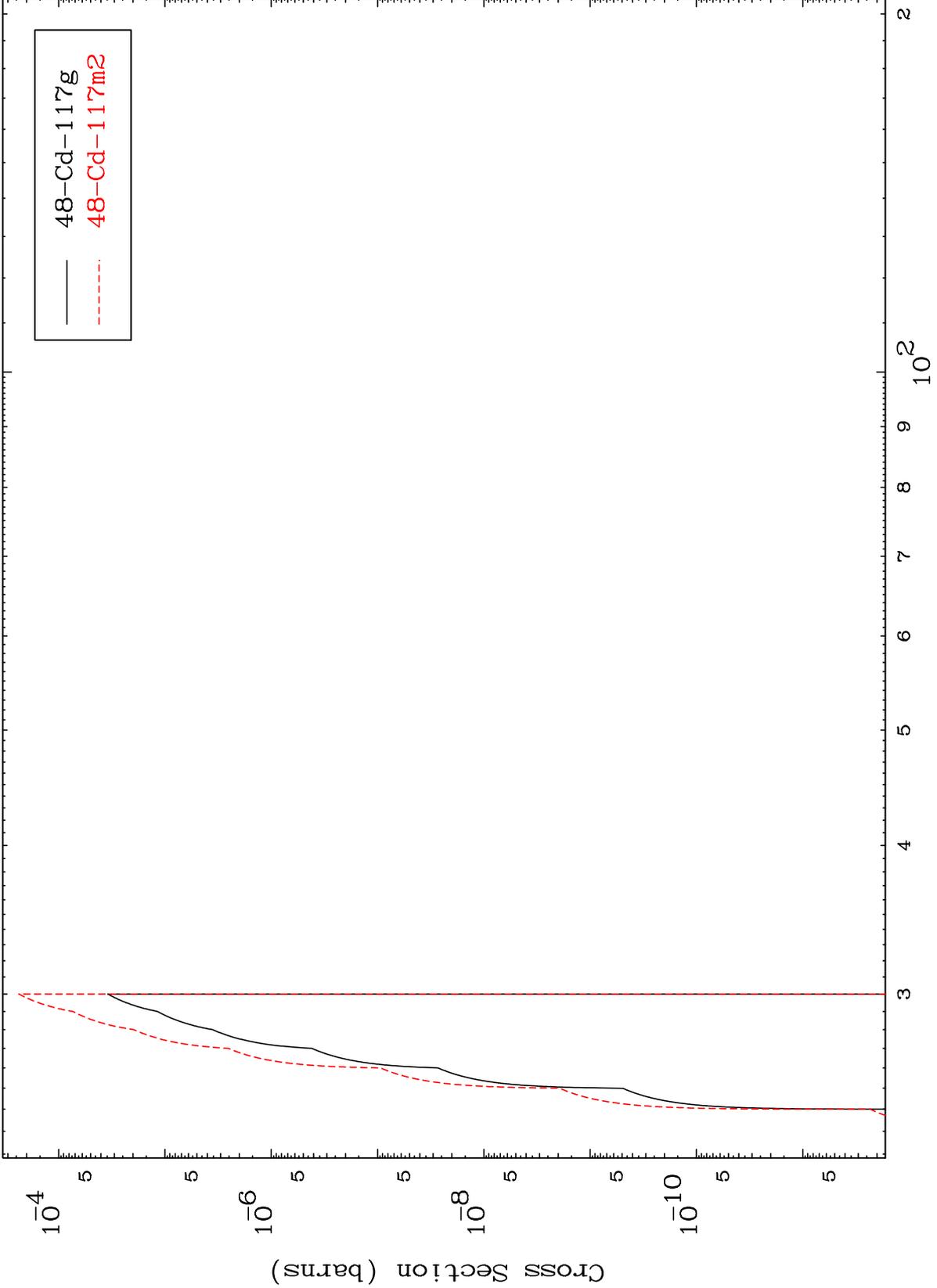
49-In-120

MAT 4948

(n,3n) p

49-In-120

Radionuclide Production Cross Section



29

Incident Energy (MeV)

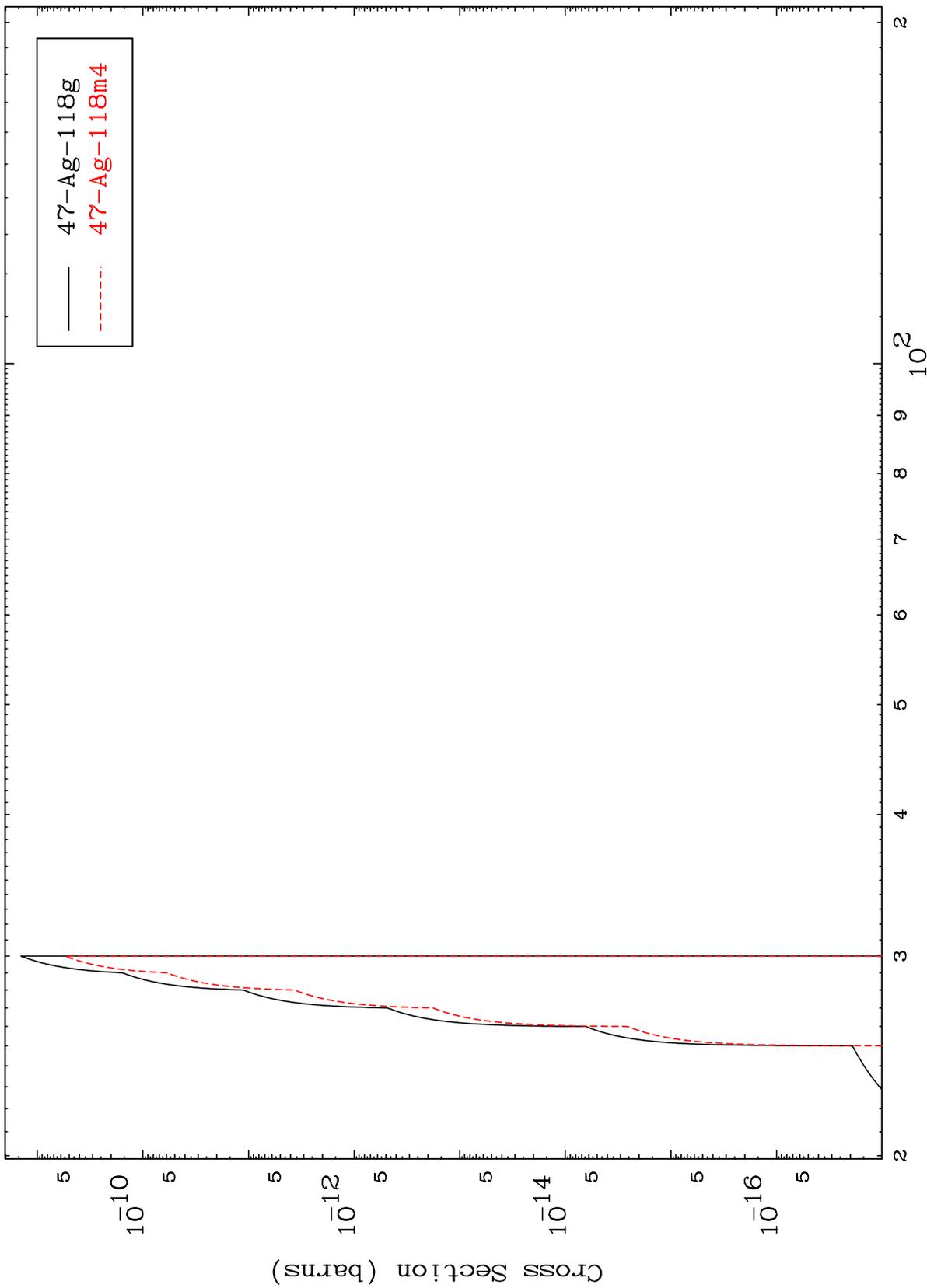
49-In-120

MAT 4948

(n,2n) p

49-In-120

Radionuclide Production Cross Section



30

Incident Energy (MeV)

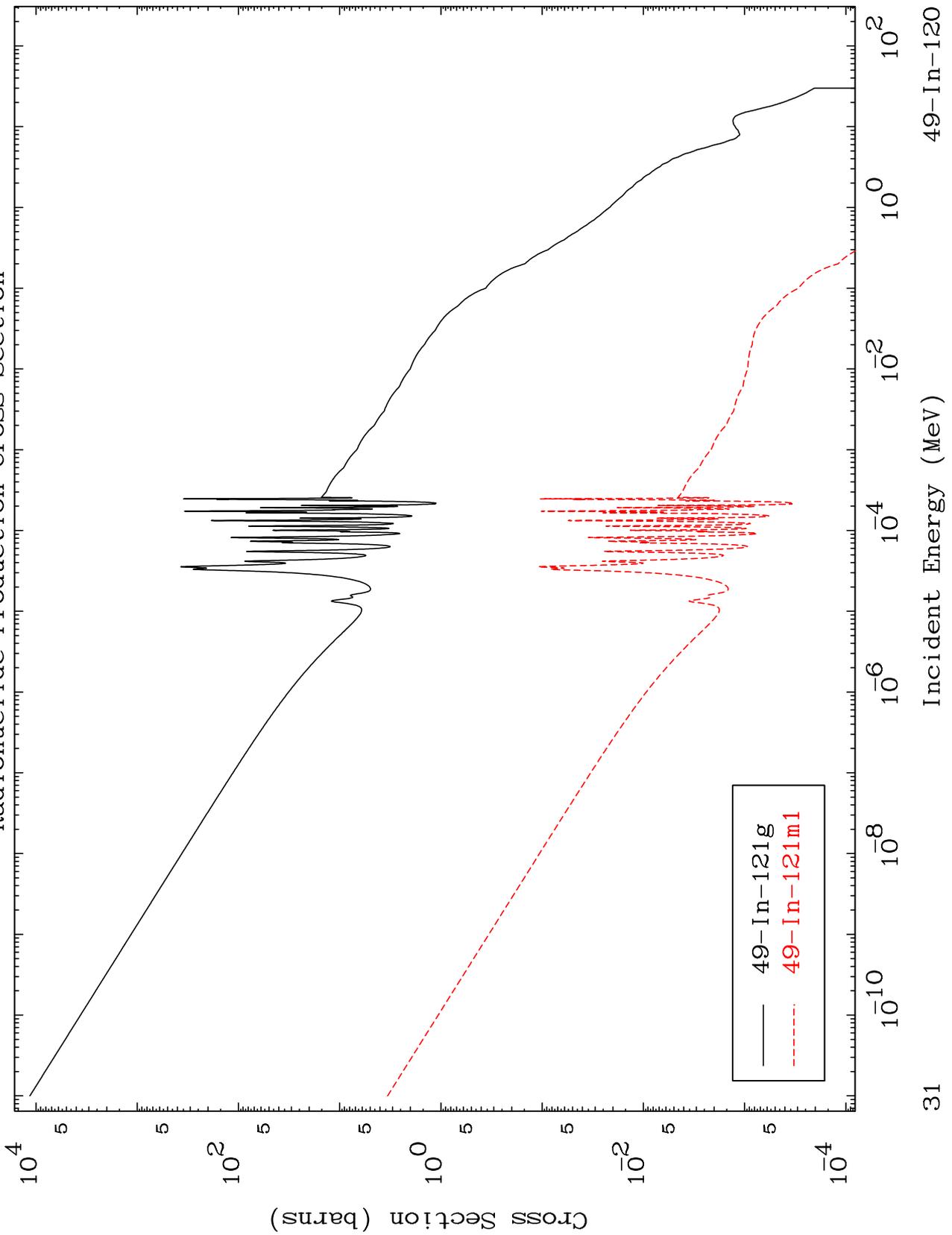
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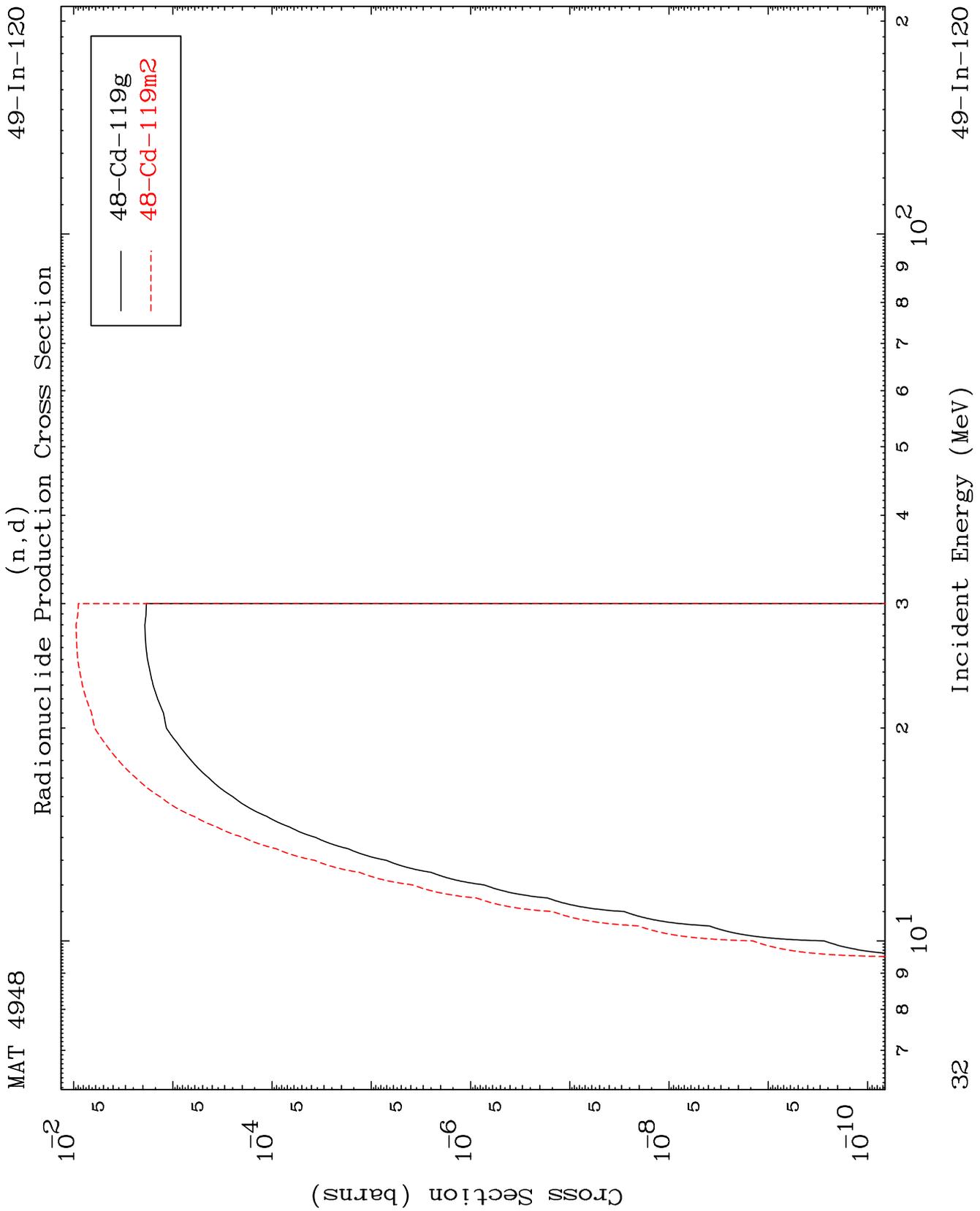
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49-In-120

Radionuclide Production Cross Section

(n,  $\gamma$ )

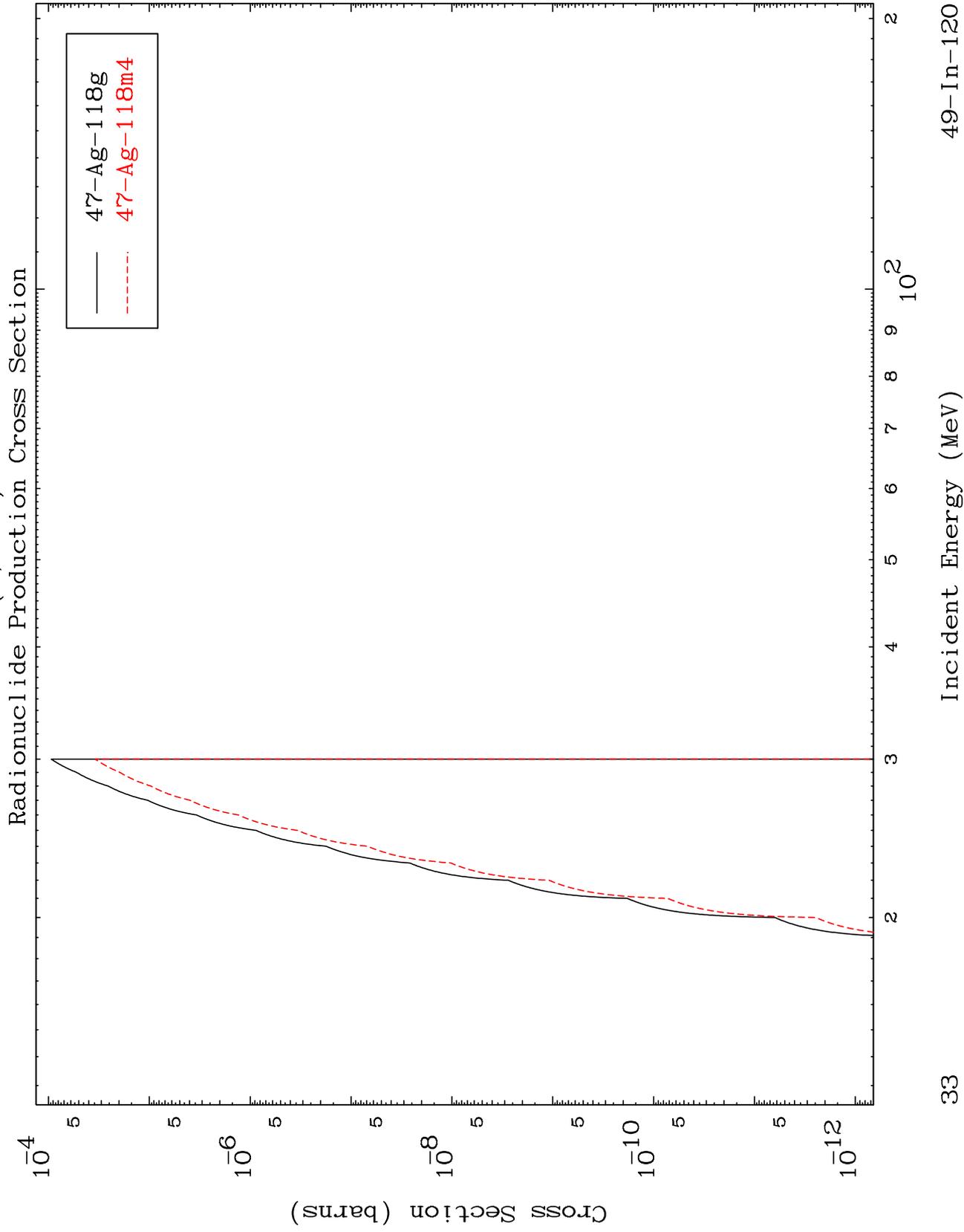




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(n,He-3)

49-In-120

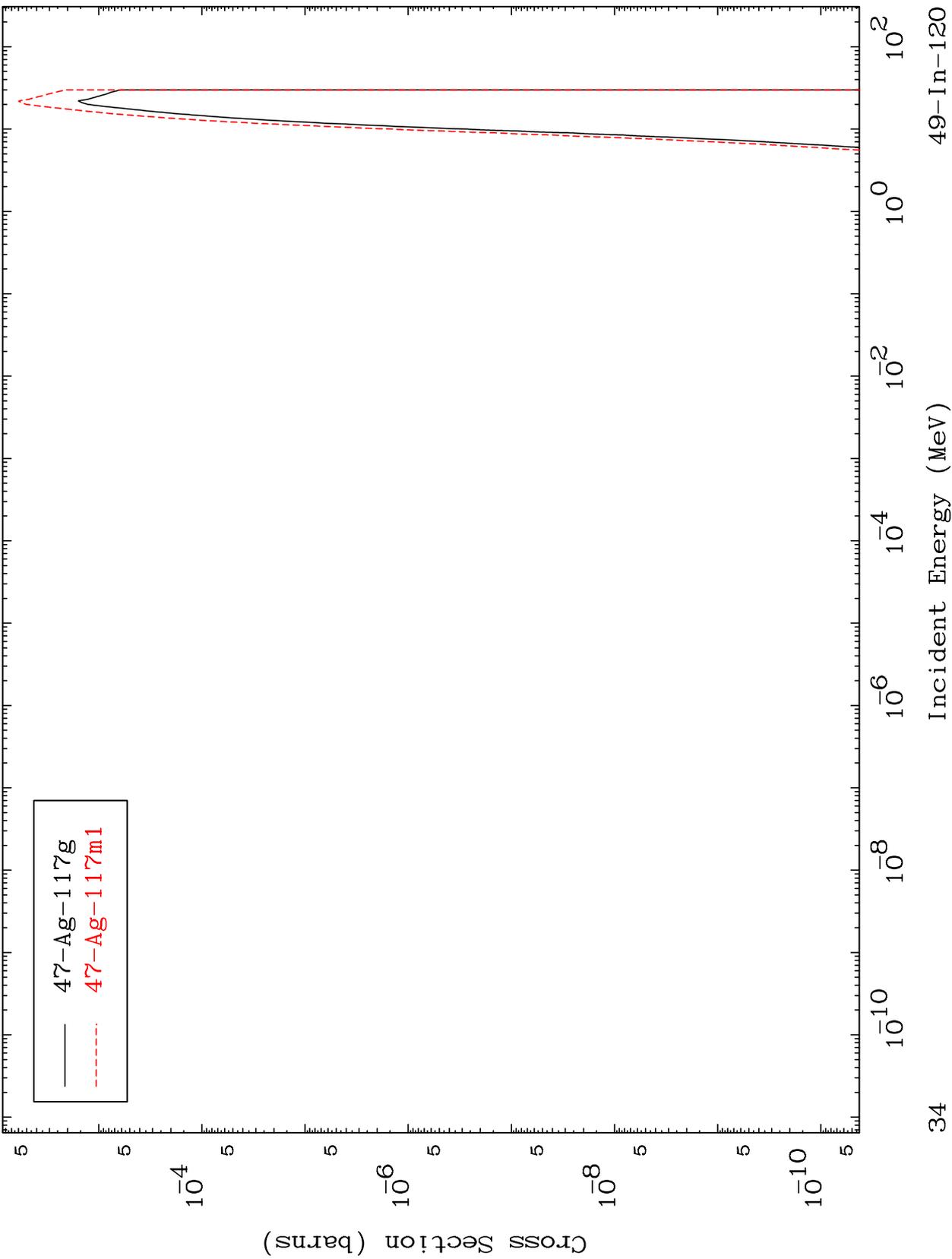


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MAT 4948

49-In-120

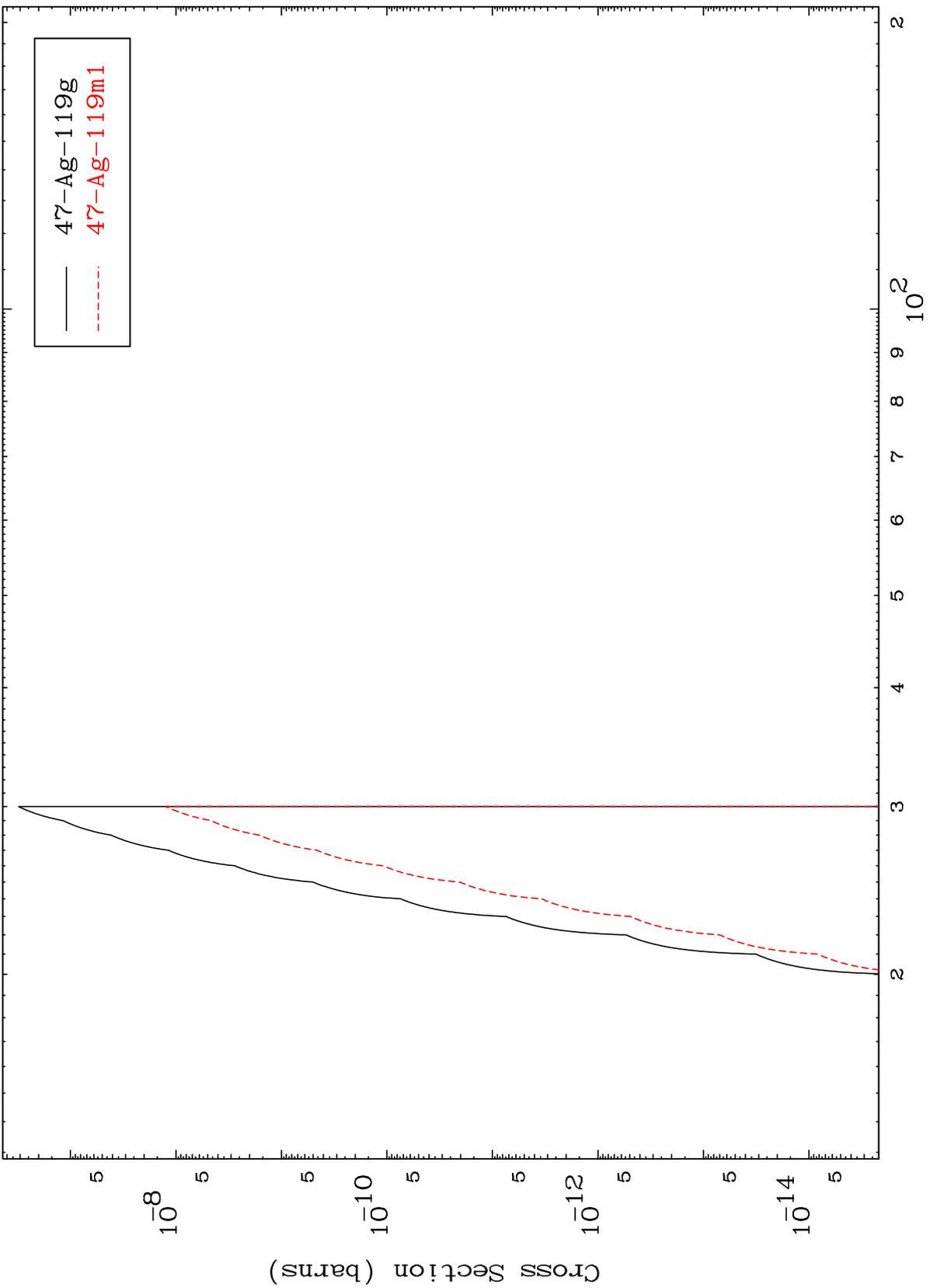
(n,  $\alpha$ )  
Radionuclide Production Cross Section



MAT 4948

49-In-120

(n,2p)  
Radionuclide Production Cross Section



35

49-In-120

Incident Energy (MeV)