

Program EVALPLOT  
(Version 2021-1)

by

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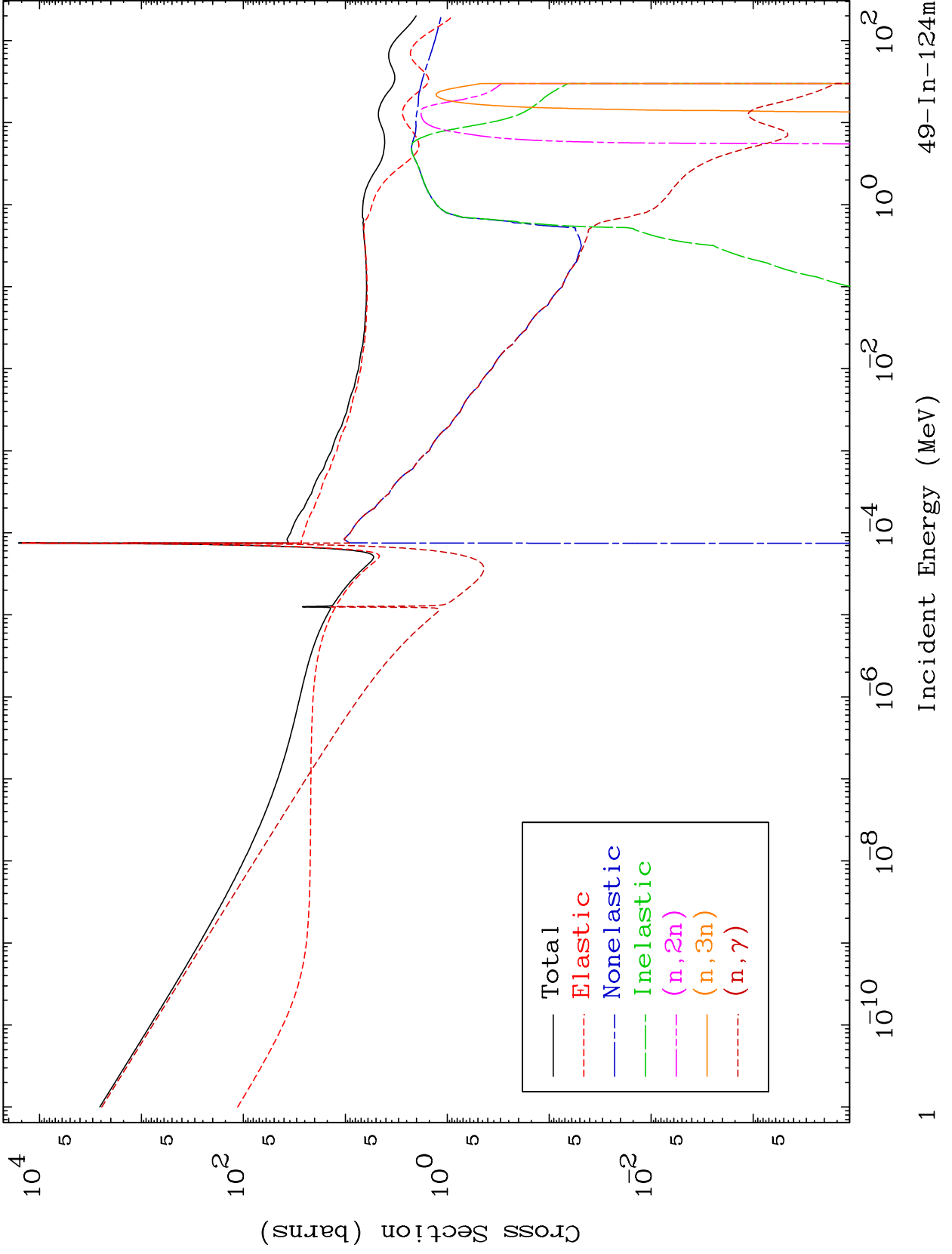
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 4959

Neutron Major  
293 Kelvin Cross Sections

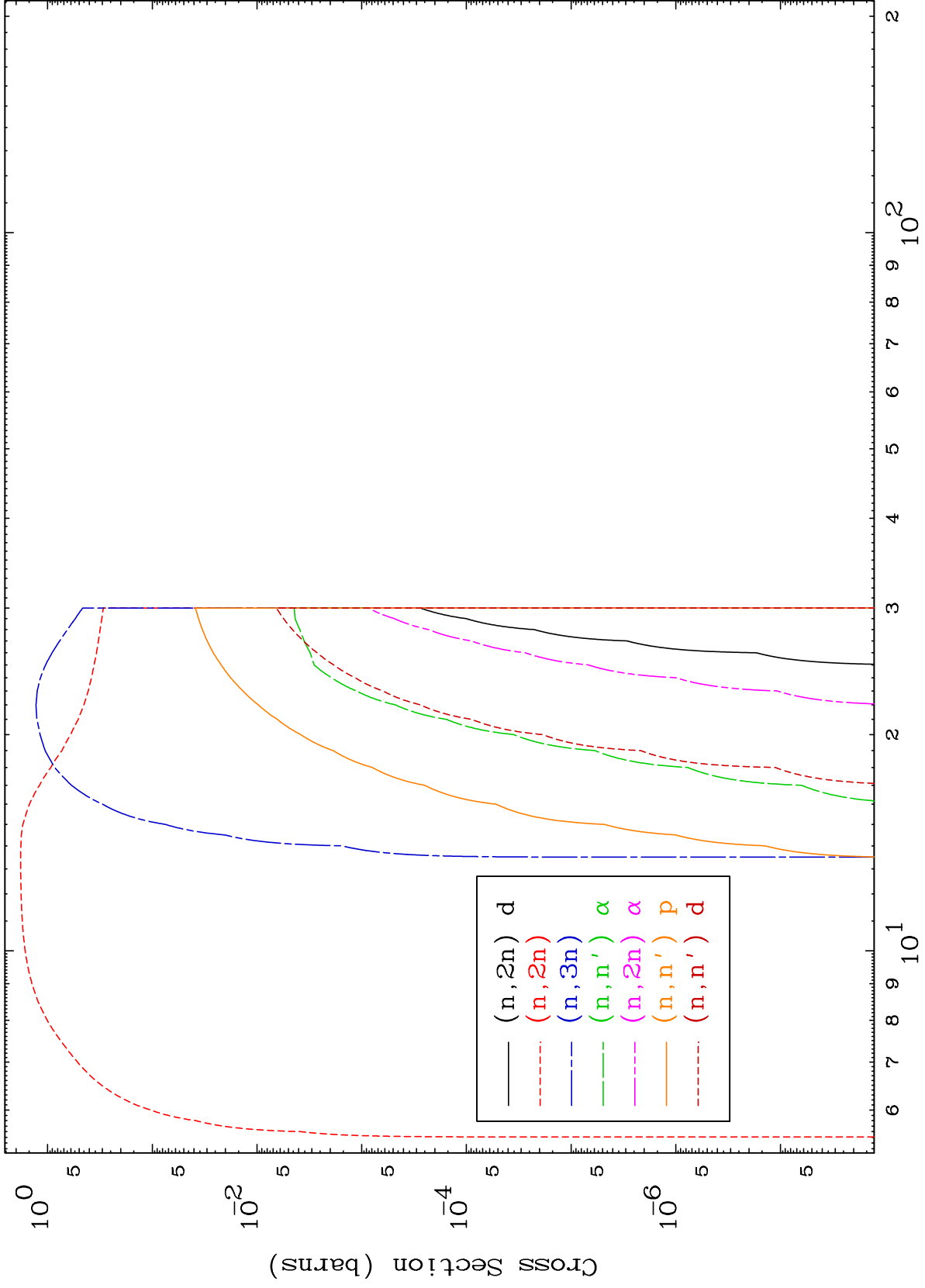
49-In-124m



MAT 4959

Neutron Absorption  
293 Kelvin Cross Sections

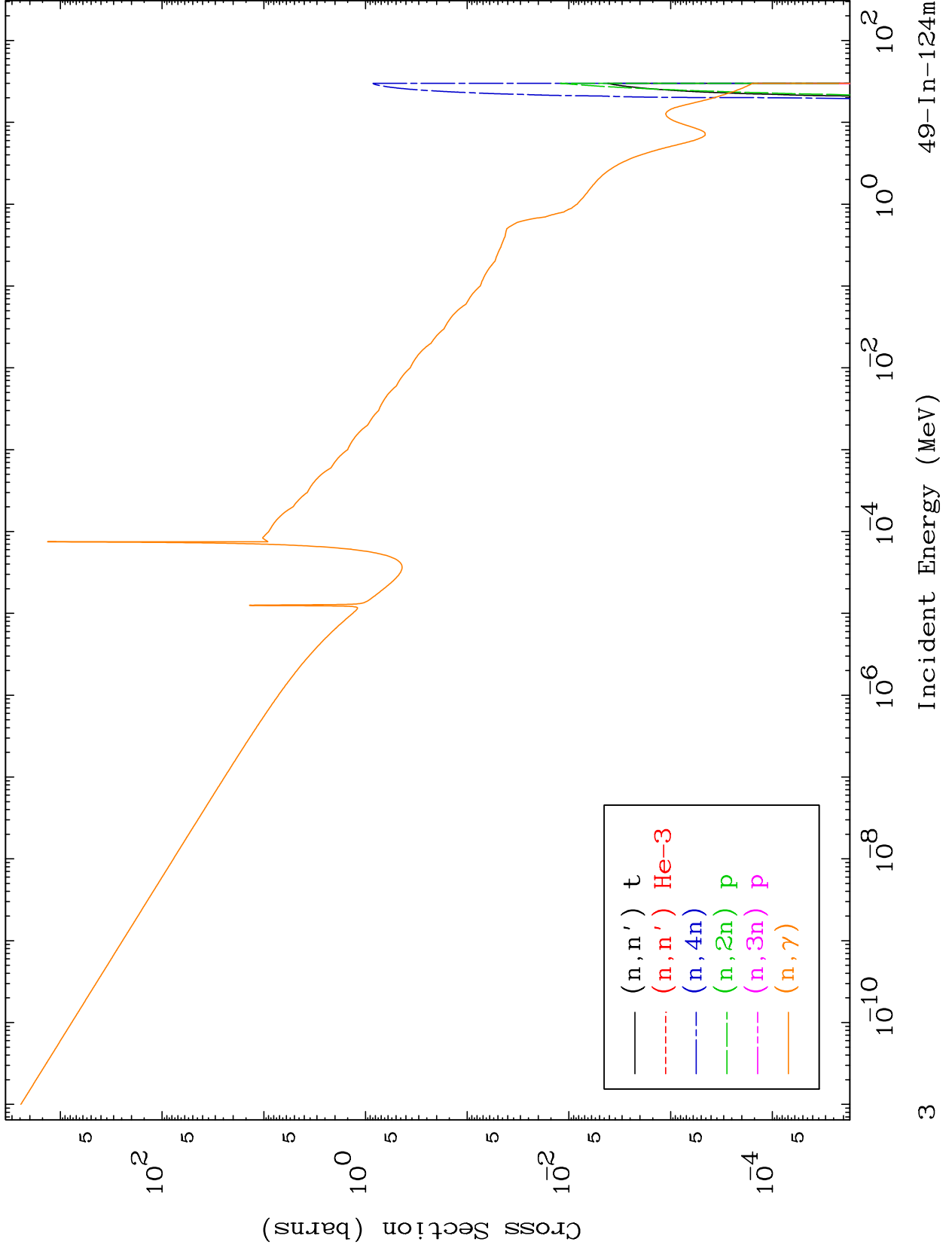
49-In-124m



MAT 4959

Neutron Absorption  
293 Kelvin Cross Sections

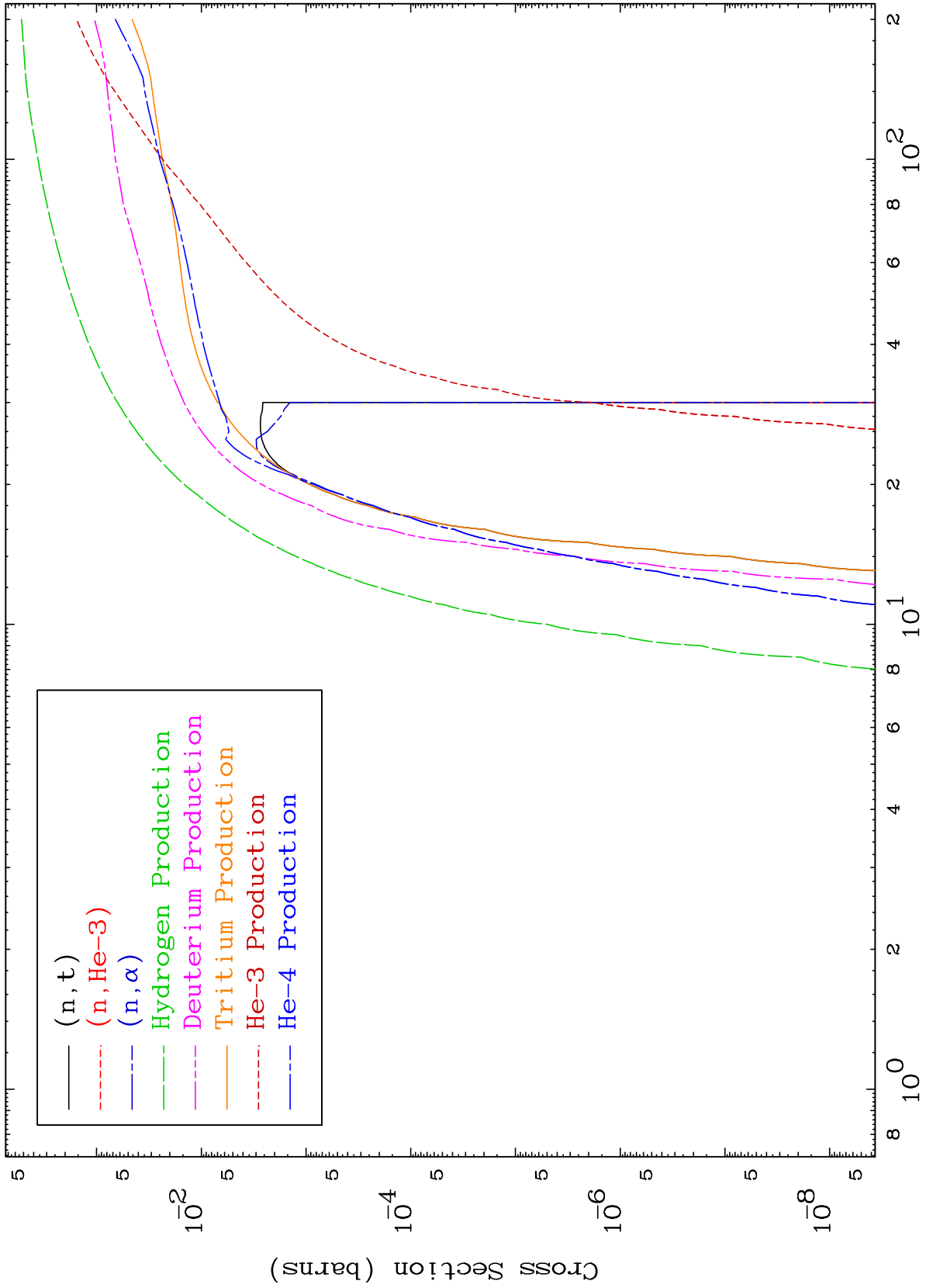
49-In-124m



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Neutron Absorption  
293 Kelvin Cross Sections

49-In-124m



49-In-124m

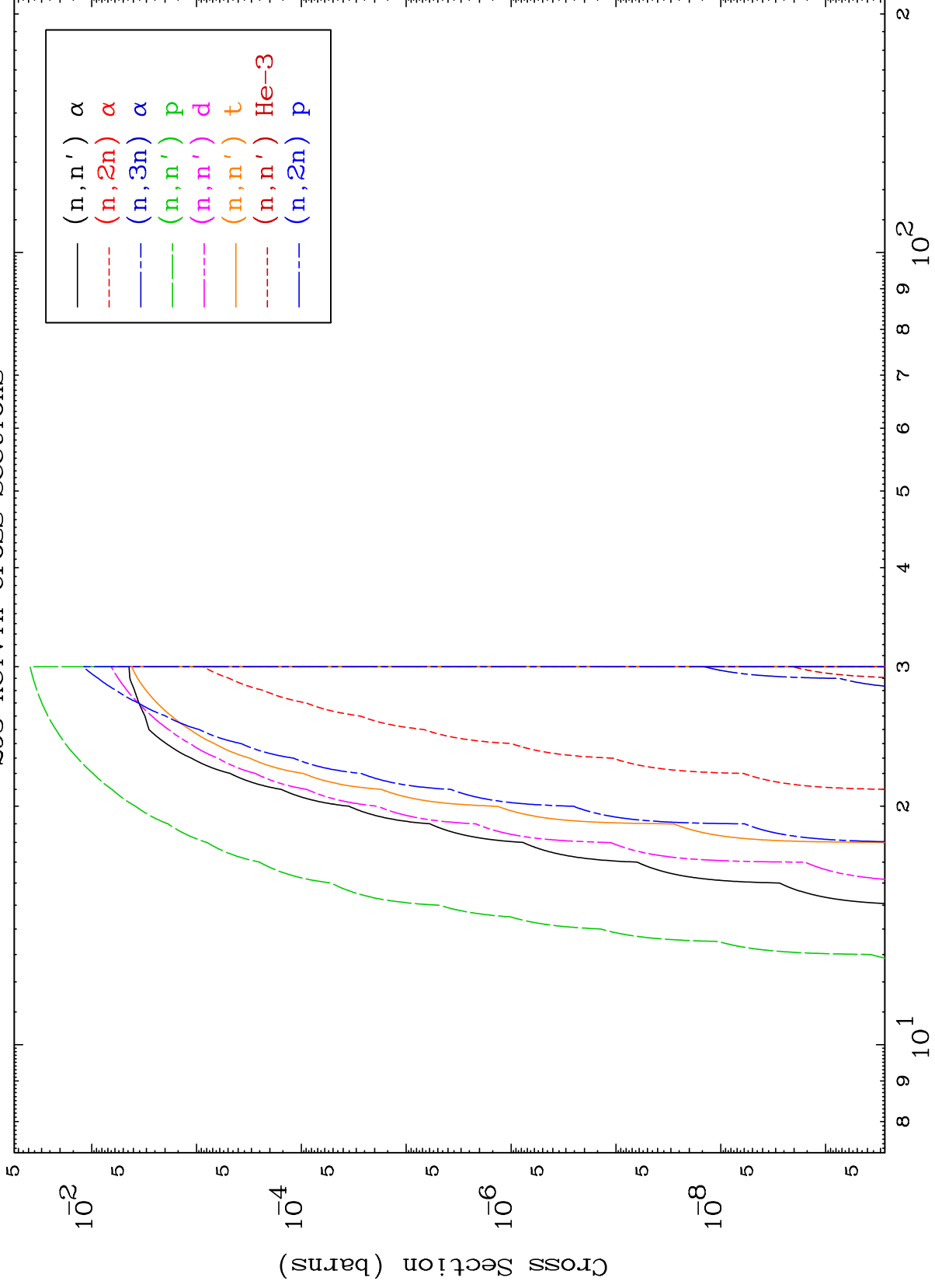
Incident Energy (MeV)

4

MAT 4959

Charged Particle  
293 Kelvin Cross Sections

49-In-124m



49-In-124m

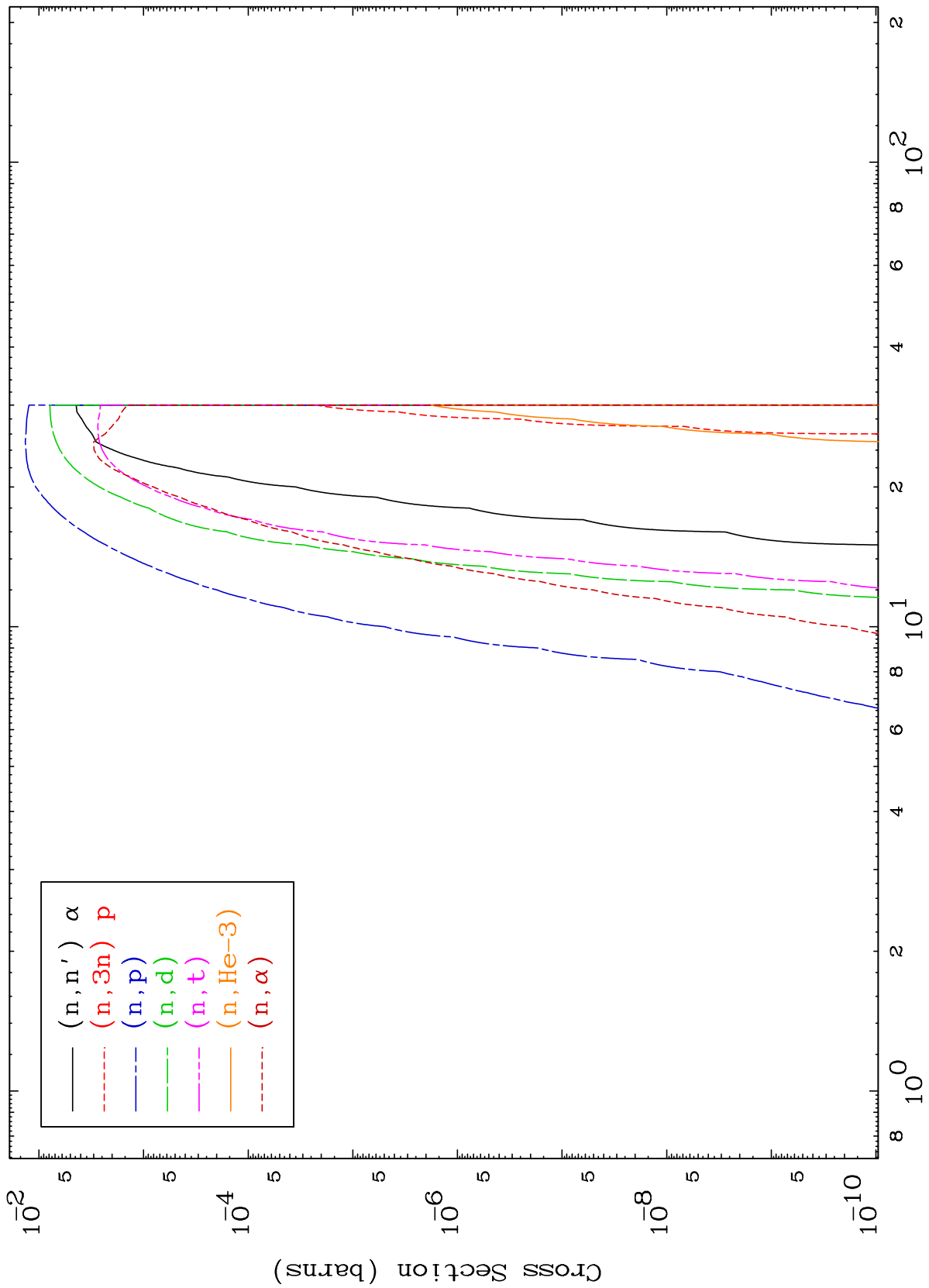
Incident Energy (MeV)

5

MAT 4959

Charged Particle  
293 Kelvin Cross Sections

49-In-124m



49-In-124m

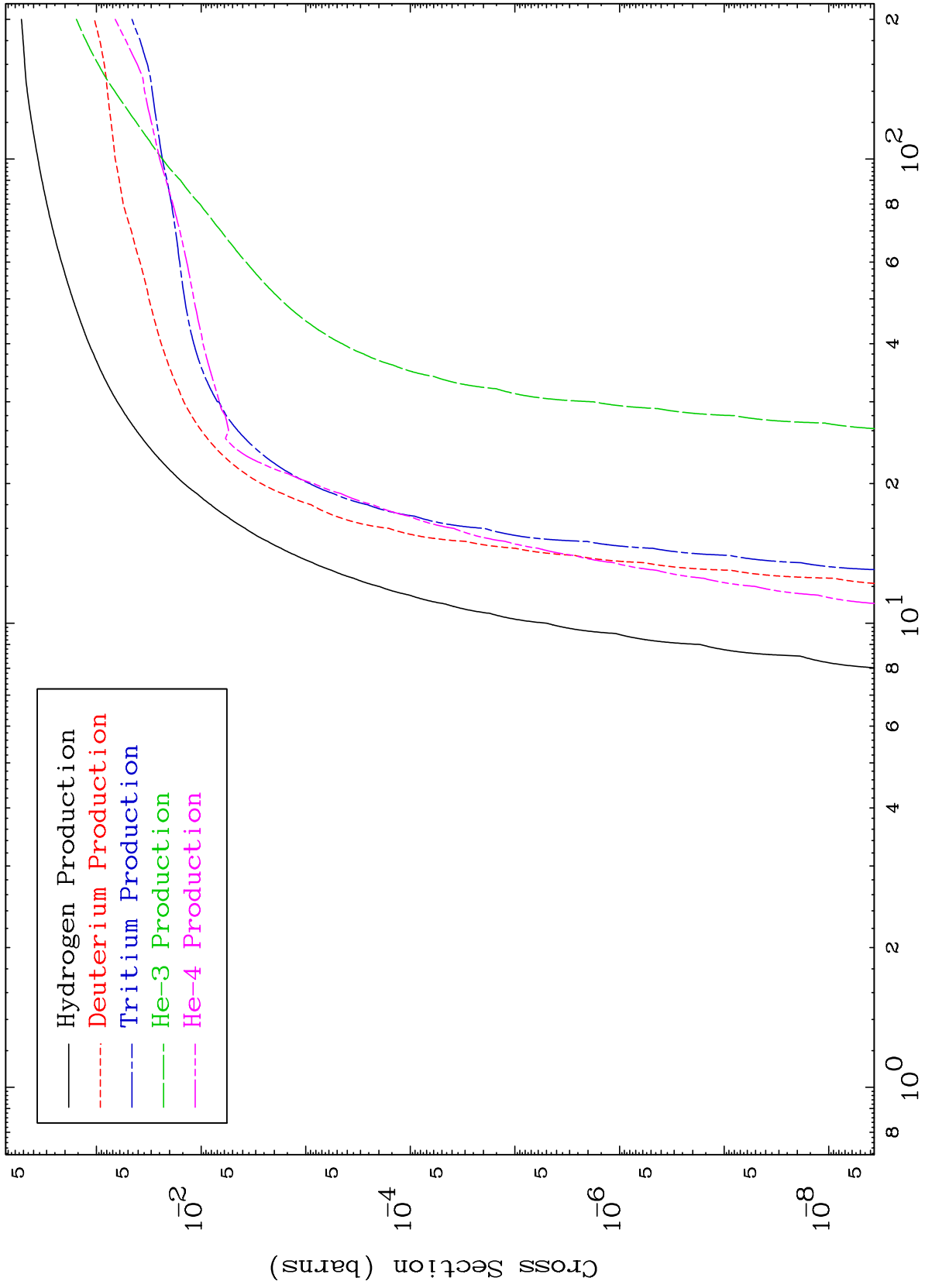
Incident Energy (MeV)

6

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Particle Production  
293 Kelvin Cross Sections

49-In-124m



7

Incident Energy (MeV)

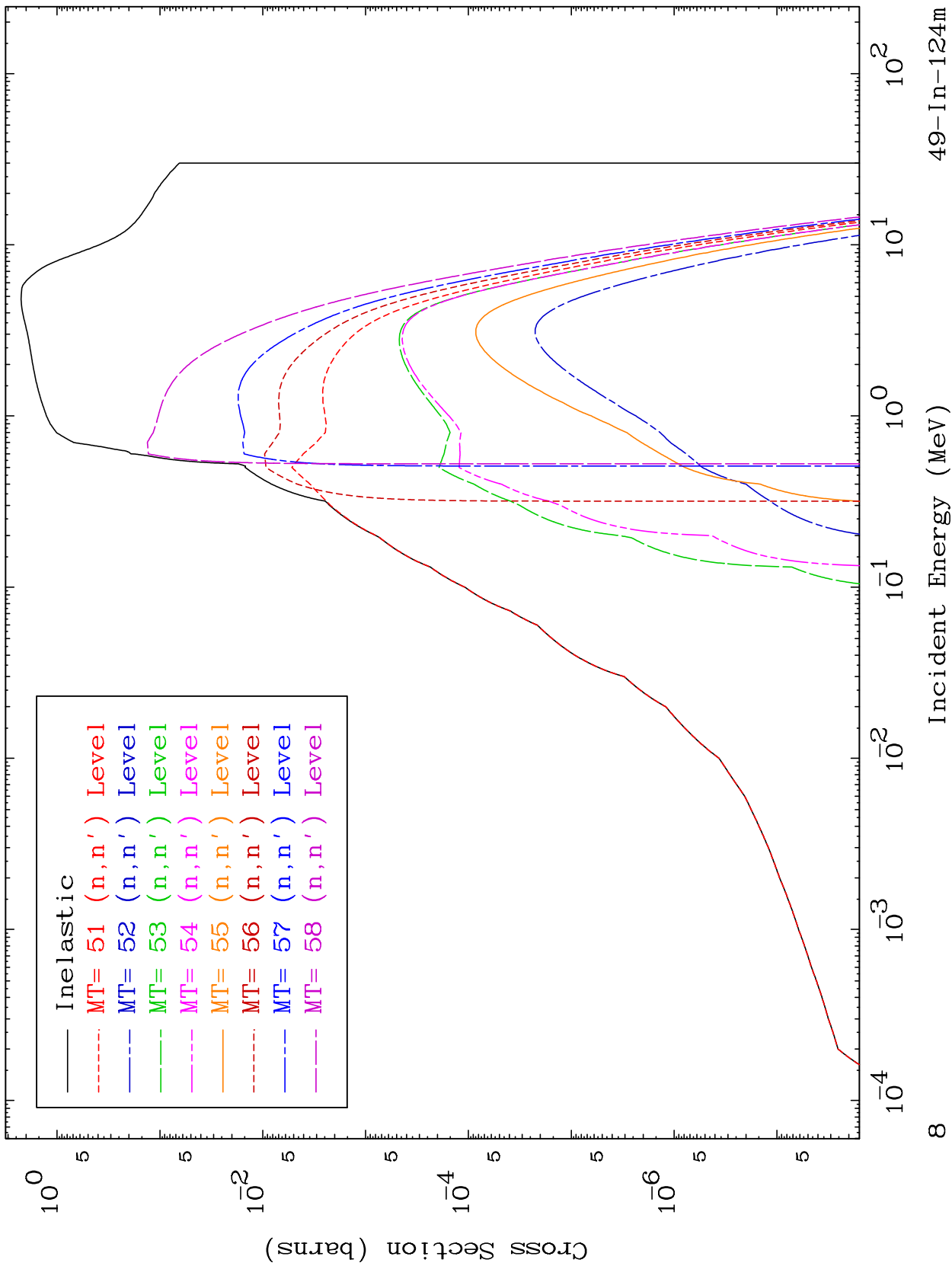
49-In-124m



MAT 4959

(n,n') Levels  
293 Kelvin Cross Sections

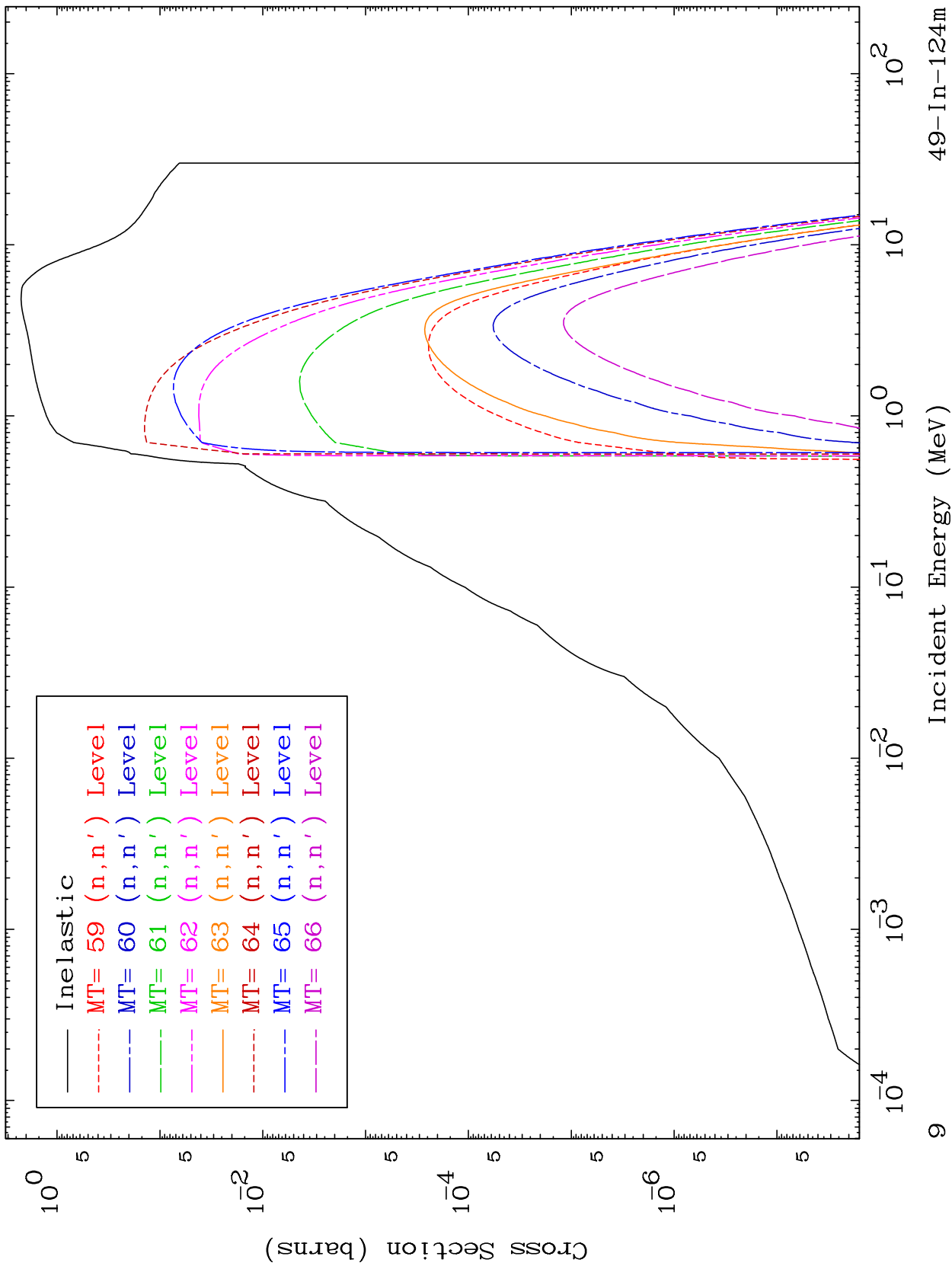
49-In-124m



MAT 4959

(n,n') Levels  
293 Kelvin Cross Sections

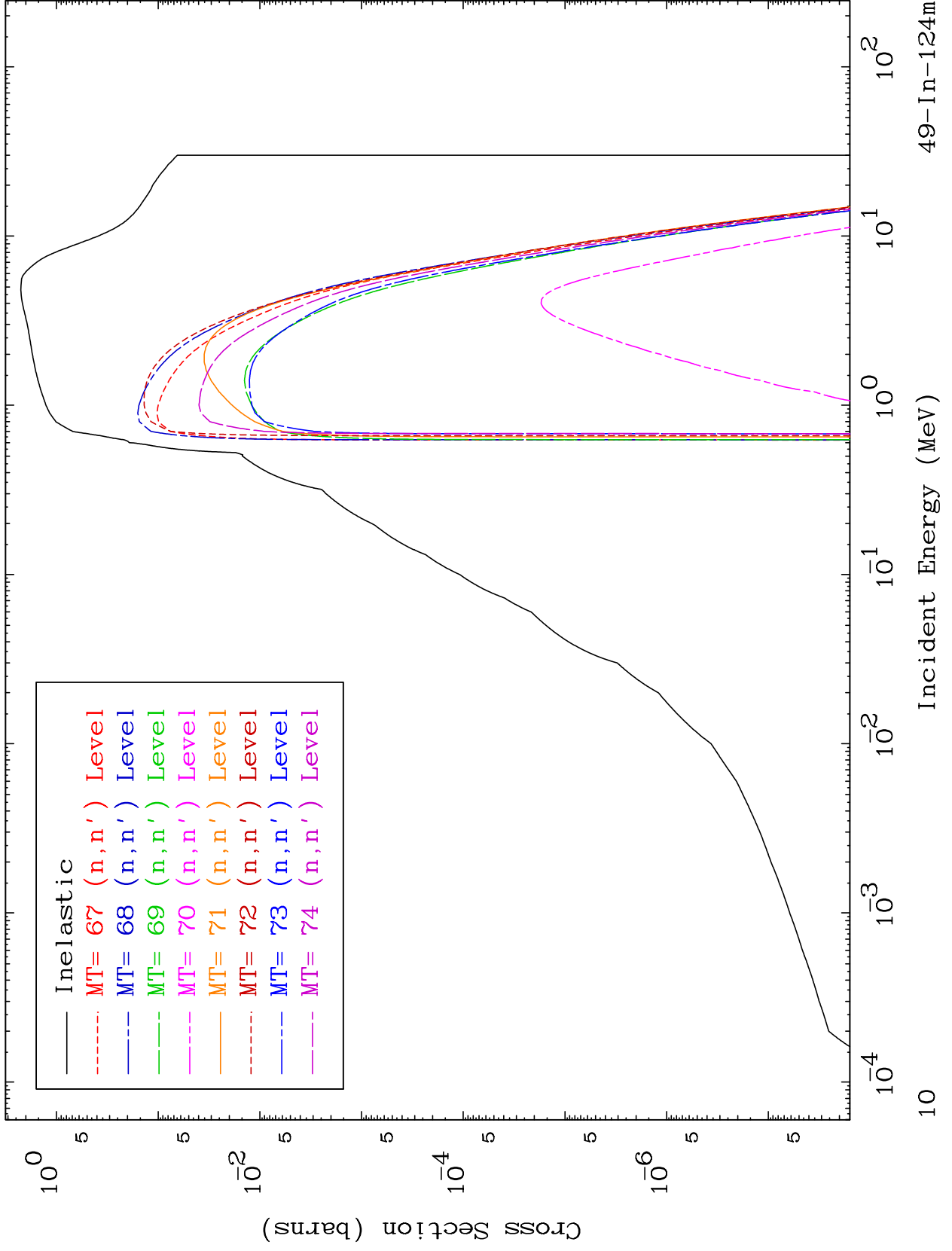
49-In-124m



MAT 4959

(n,n') Levels  
293 Kelvin Cross Sections

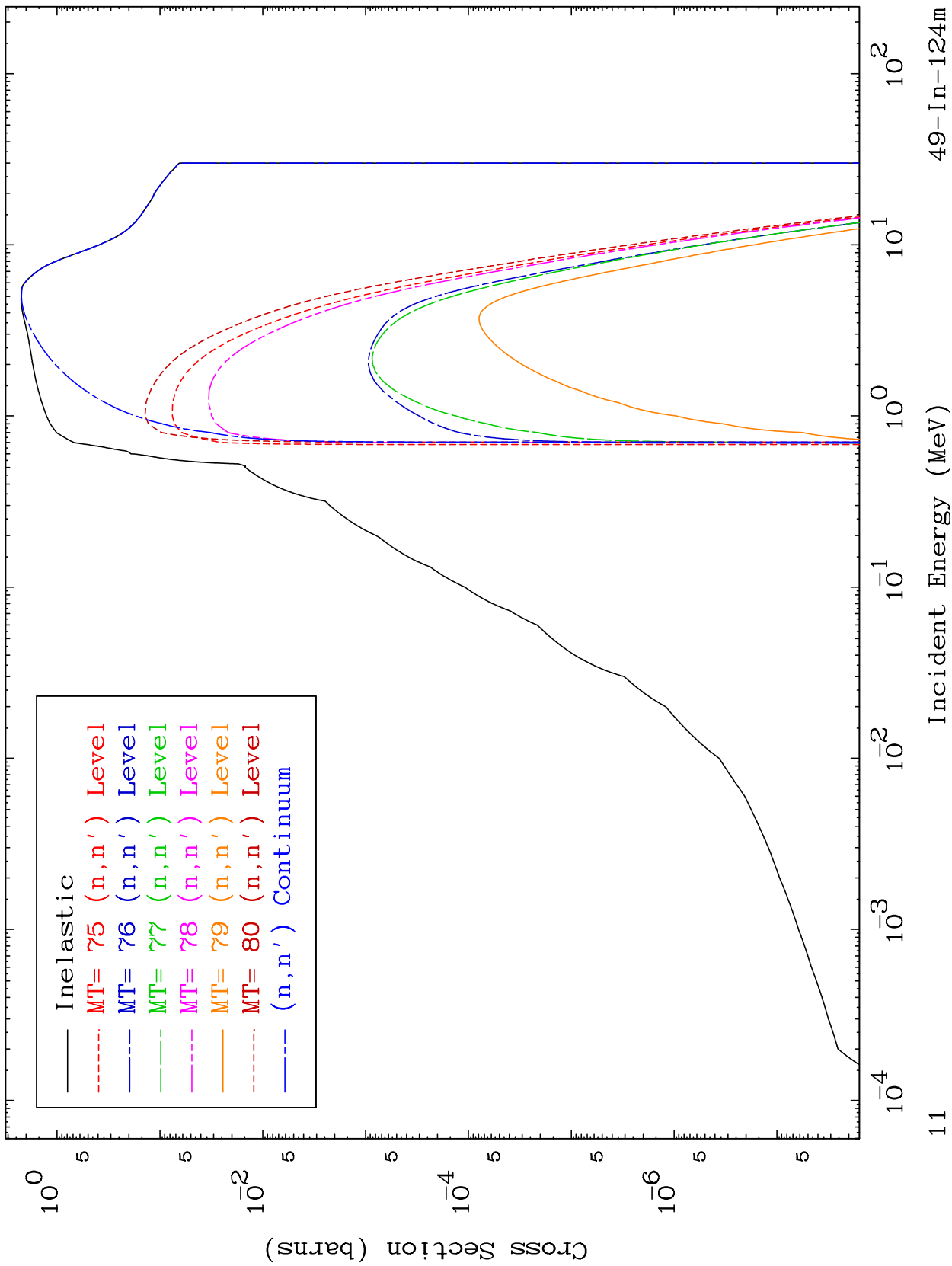
49-In-124m



MAT 4959

(n,n') Levels  
293 Kelvin Cross Sections

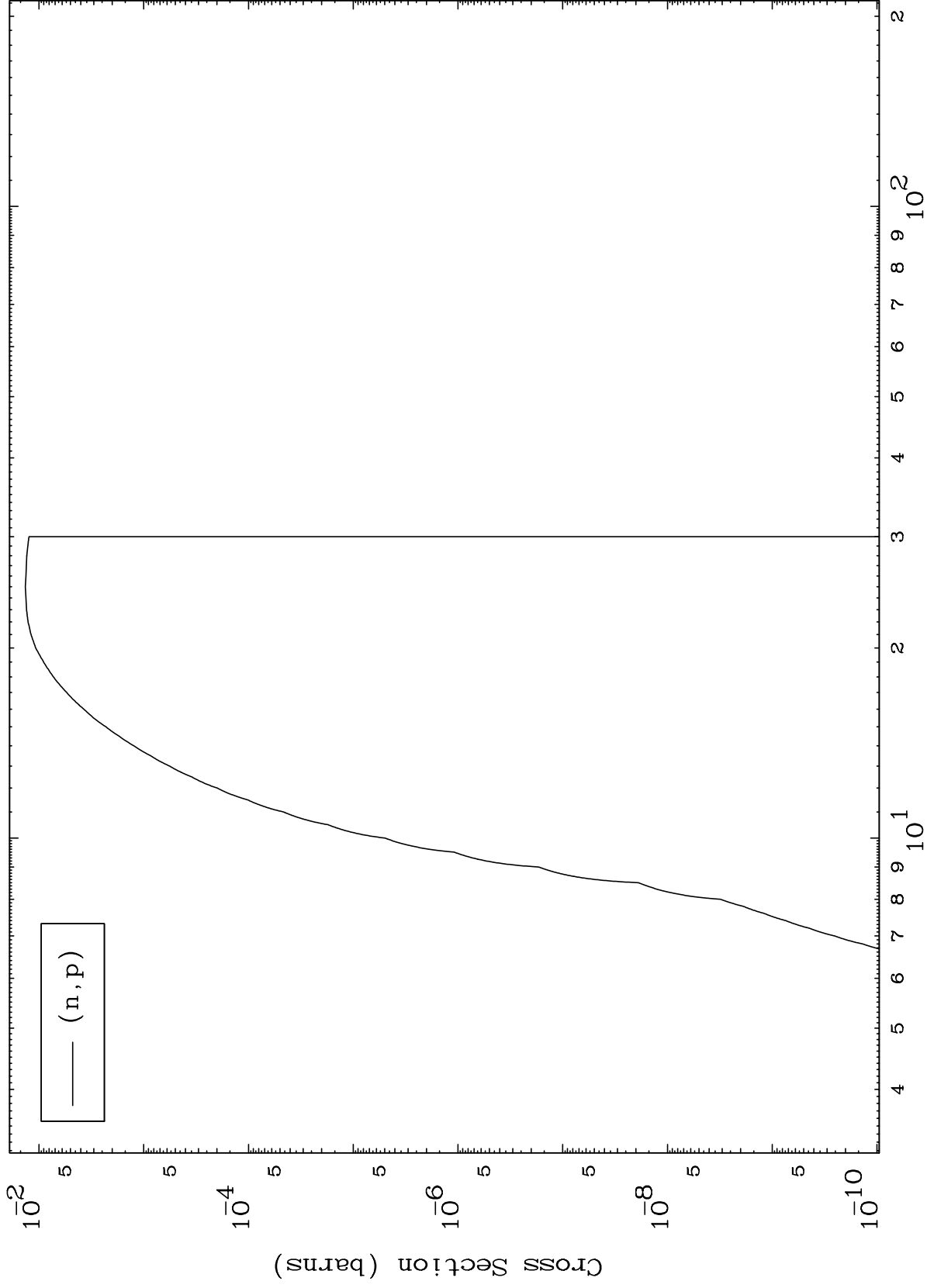
49-In-124m



MAT 4959

(n,p) Levels  
293 Kelvin Cross Sections

49-In-124m



12

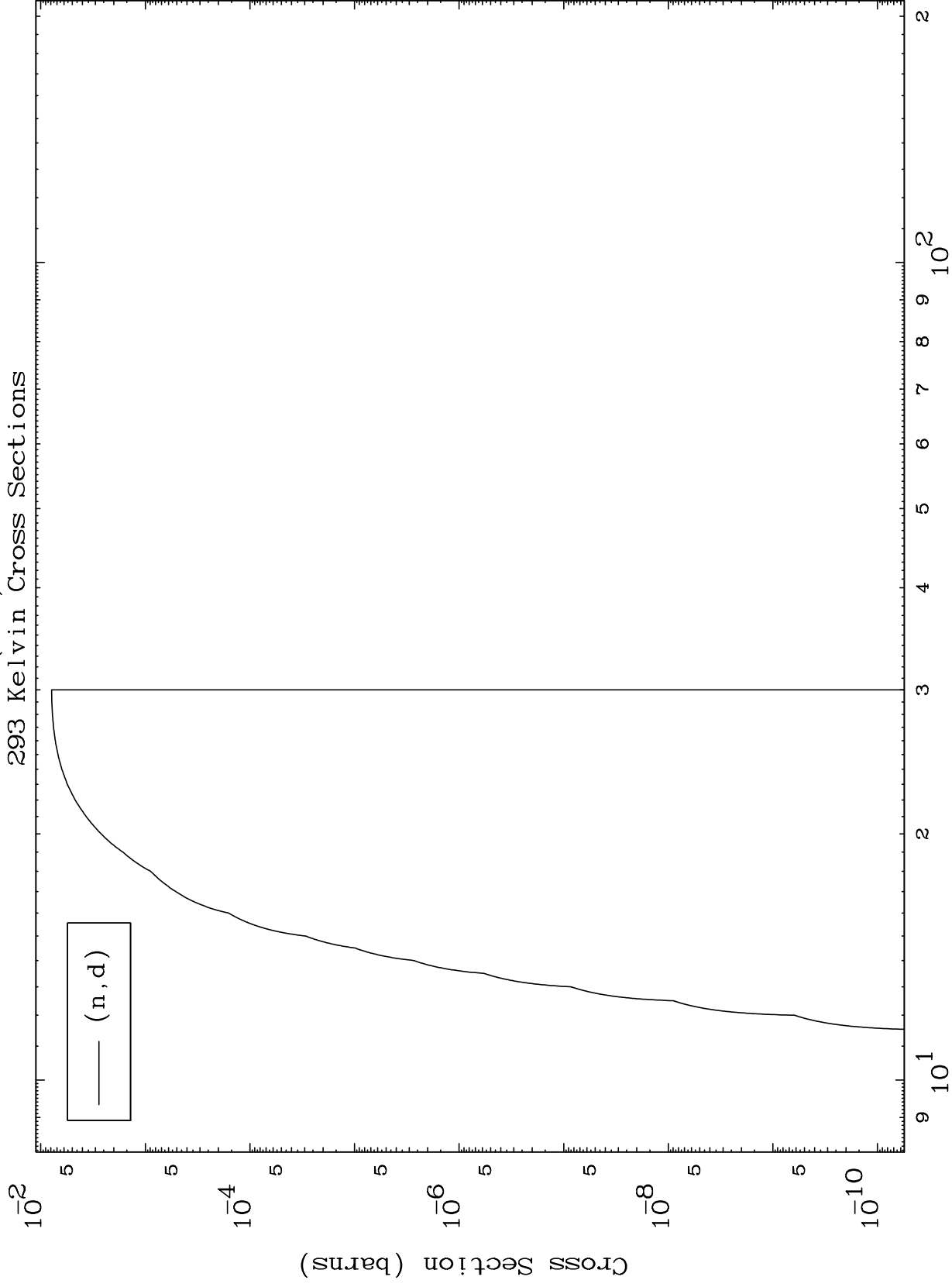
Incident Energy (MeV)

49-In-124m

MAT 4959

(n,d) Levels  
293 Kelvin Cross Sections

49-In-124m



13

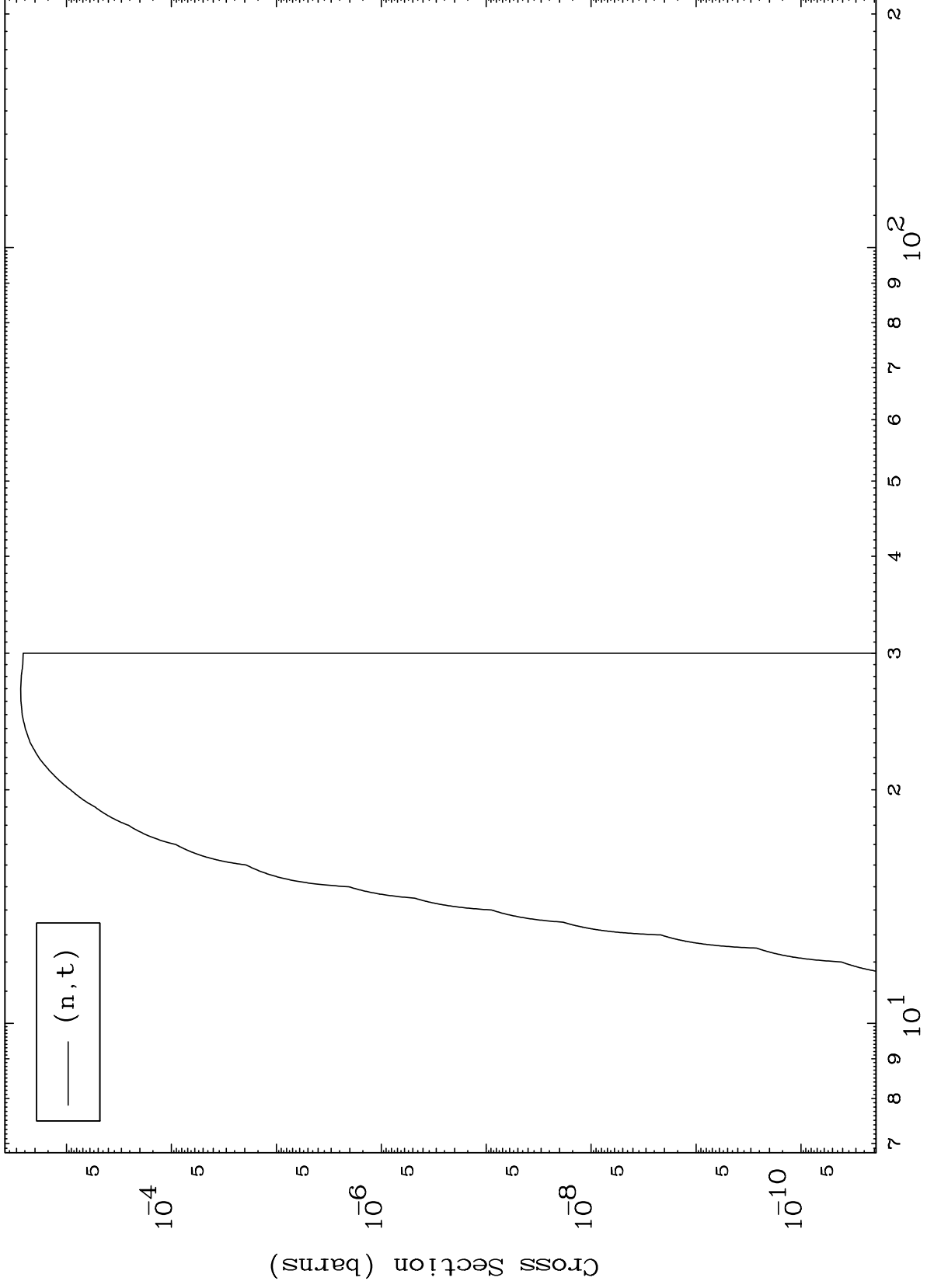
Incident Energy (MeV)

49-In-124m

MAT 4959

(n,t) Levels  
293 Kelvin Cross Sections

49-In-124m



14

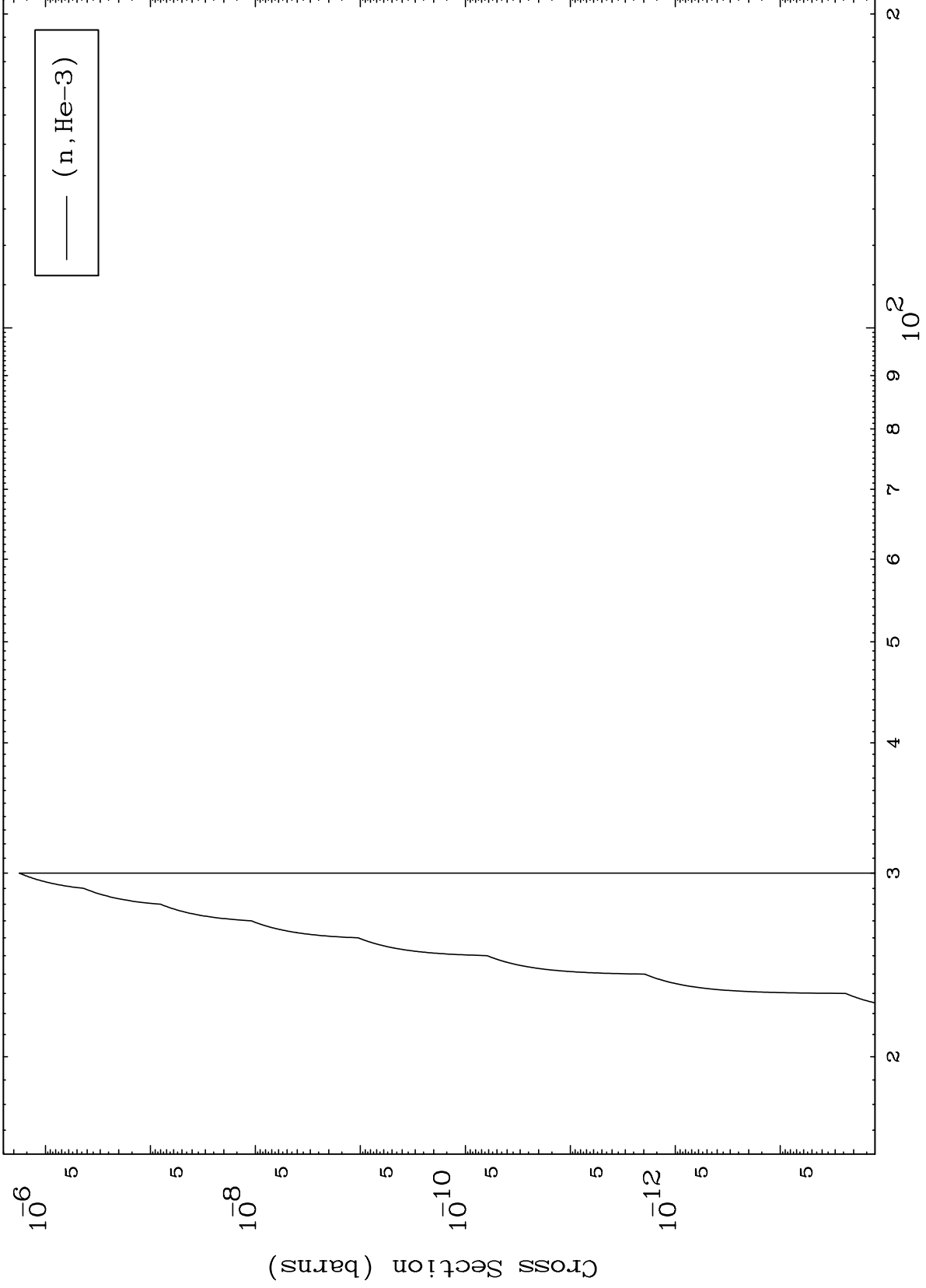
Incident Energy (MeV)

49-In-124m

MAT 4959

(n,He3) Levels  
293 Kelvin Cross Sections

49-In-124m



(n, He-3)

15

Incident Energy (MeV)

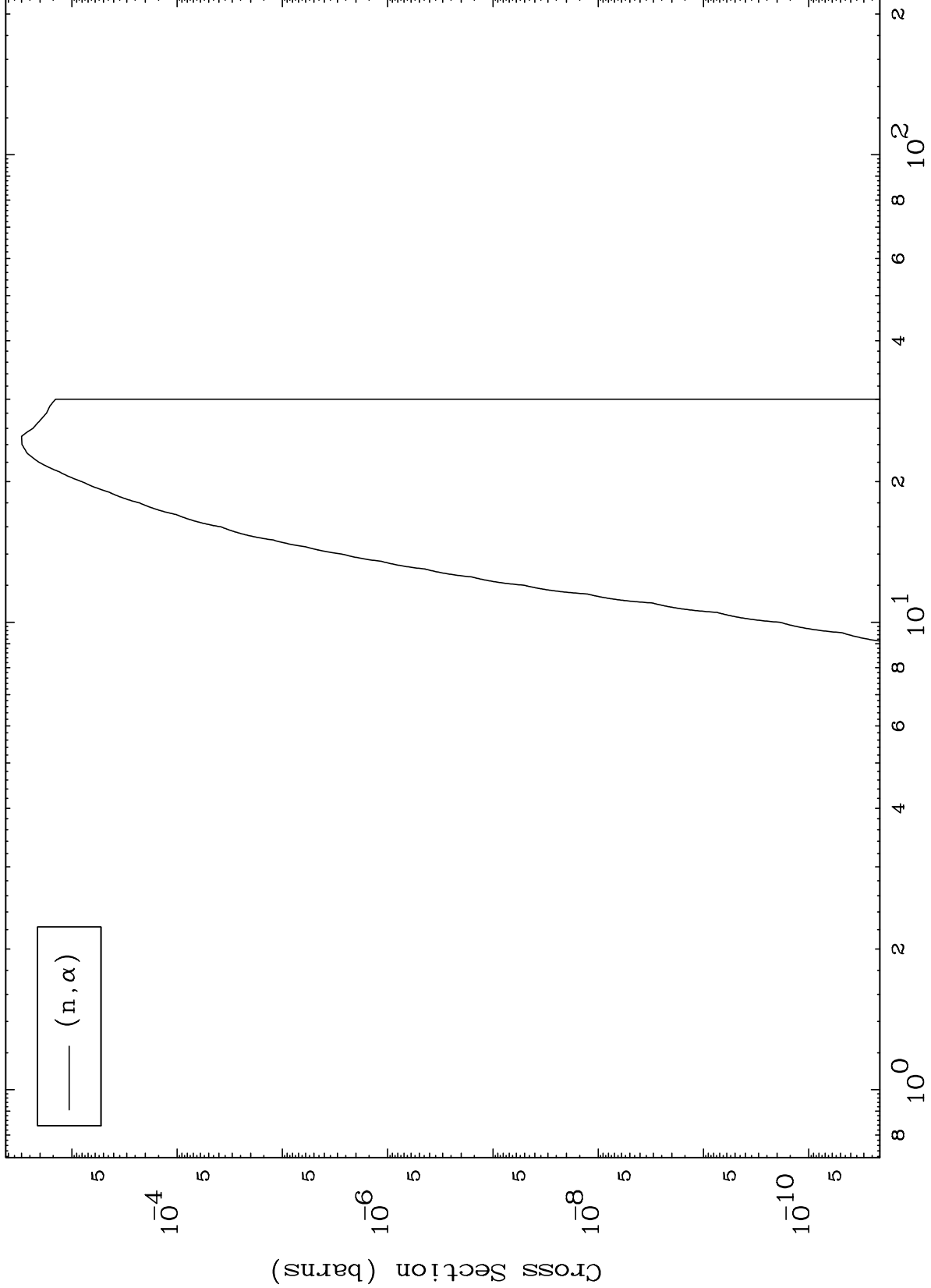
49-In-124m



MAT 4959

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

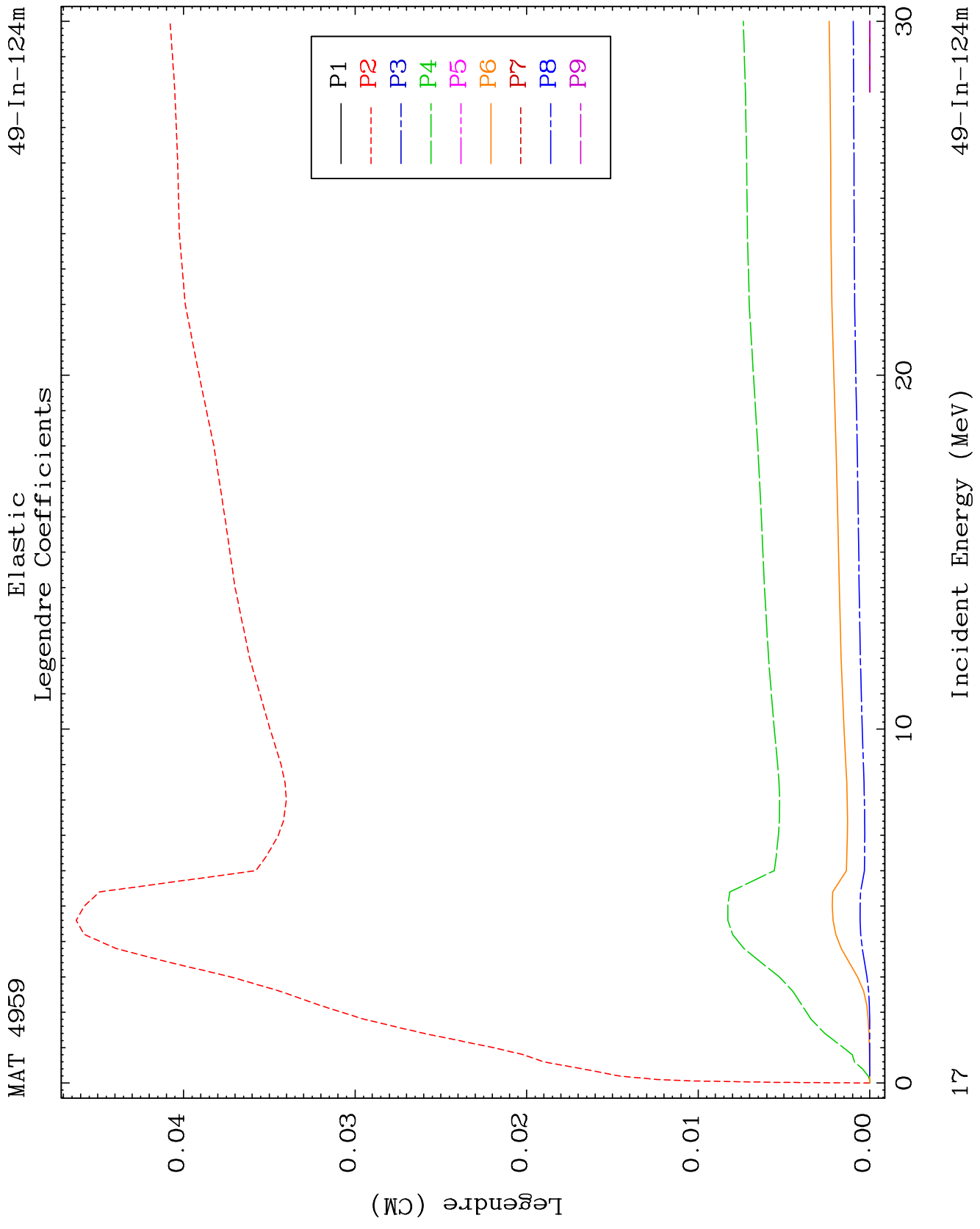
49-In-124m



16

Incident Energy (MeV)

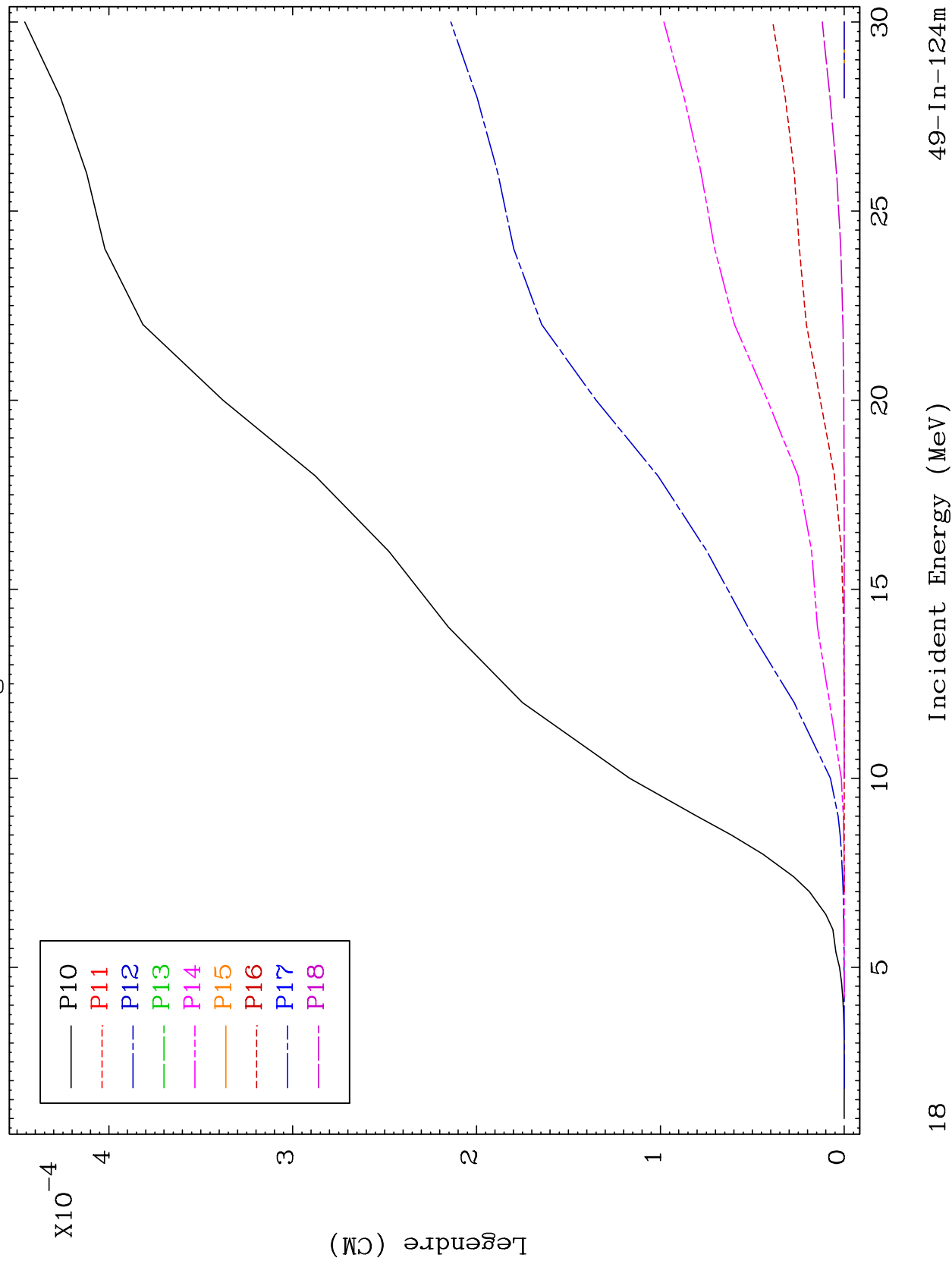
49-In-124m



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Elastic Legendre Coefficients

49-In-124m



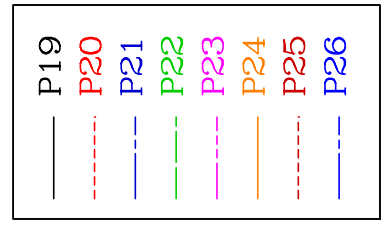
18

49-In-124m

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Elastic Legendre Coefficients

49-In-124m



$\times 10^{-7}$

Legendre (CM)



19

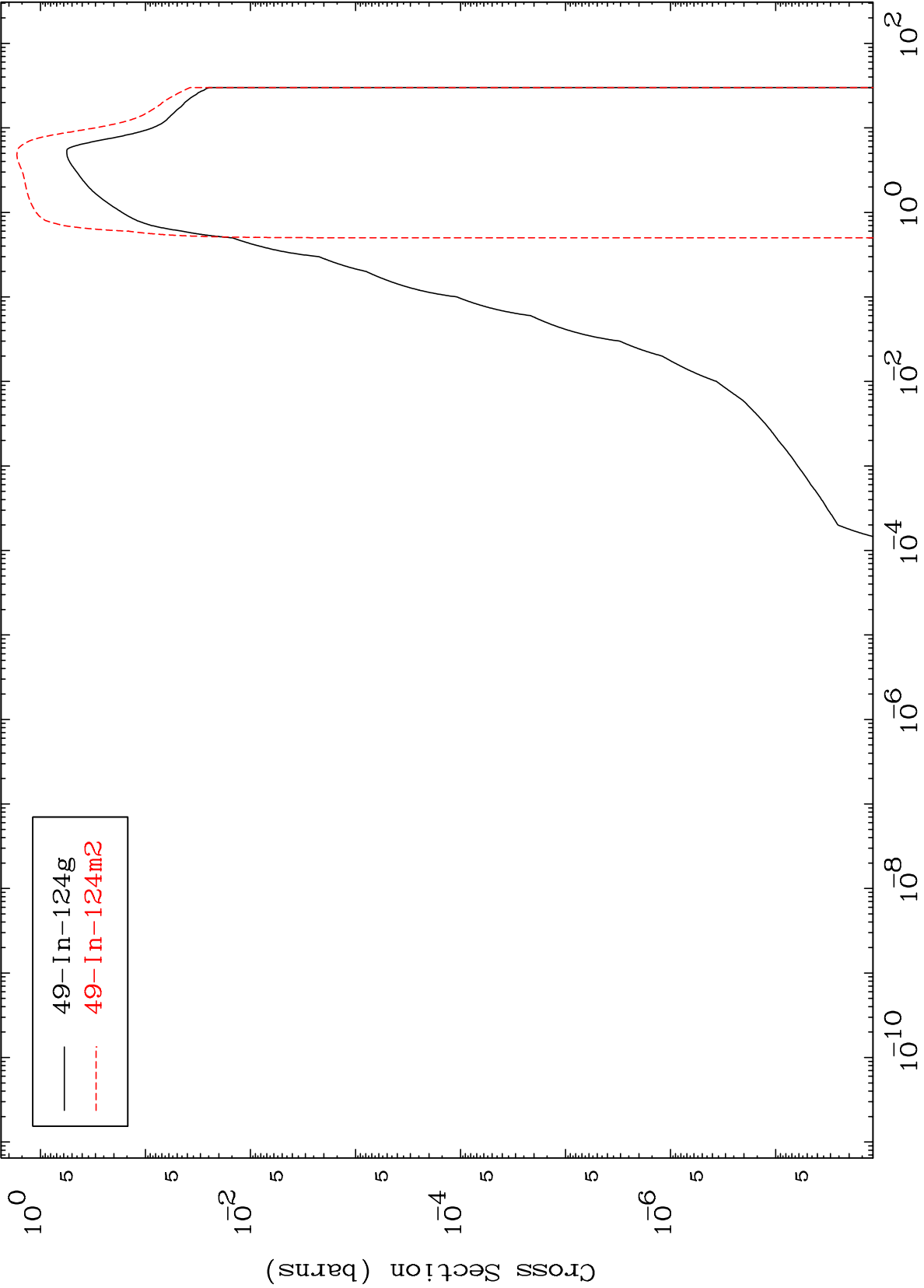
Incident Energy (MeV)

49-In-124m

MAT 4959

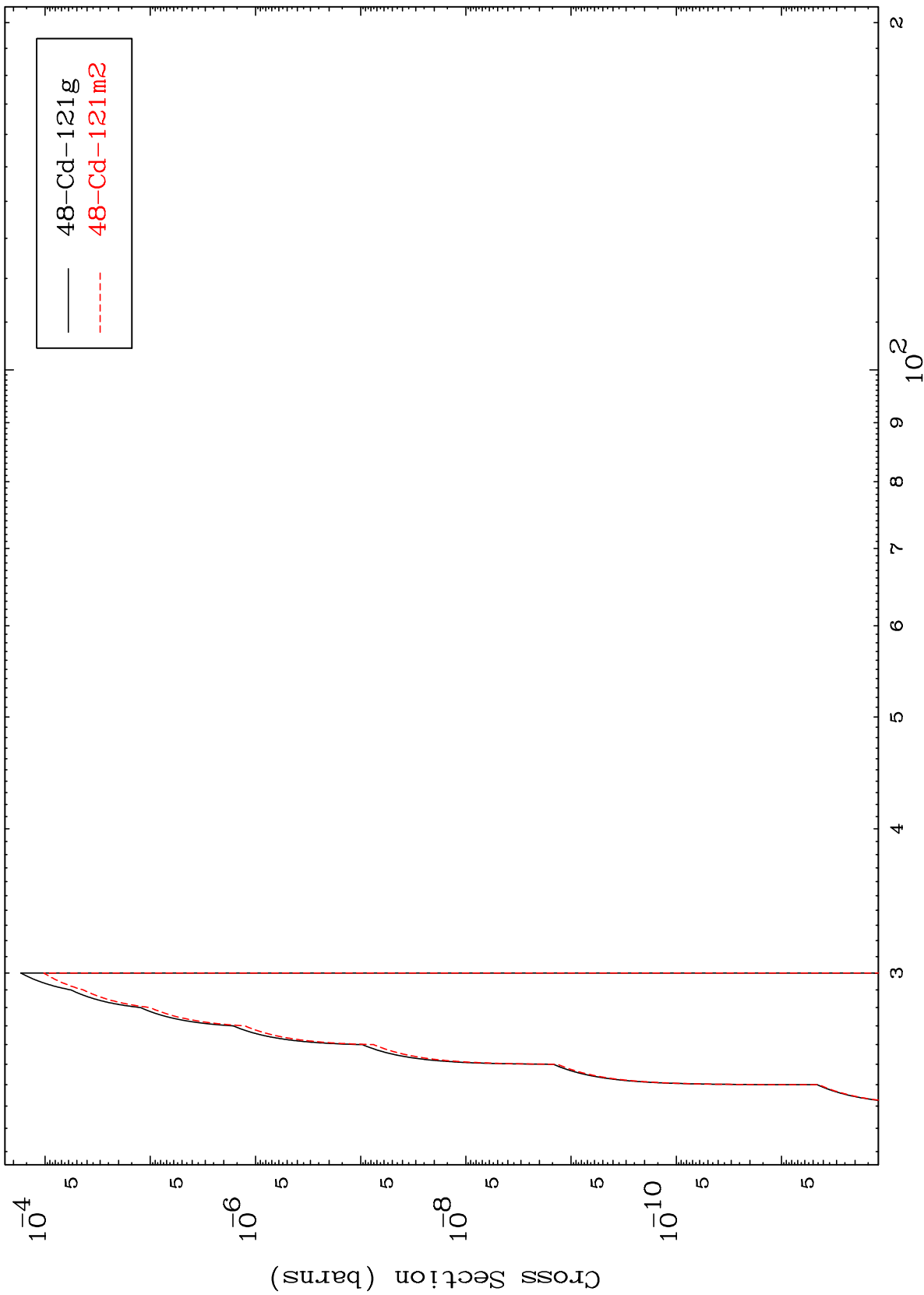
Inelastic  
Radionuclide Production Cross Section

49-In-124m



49-In-124m

Radionuclide Production Cross Section

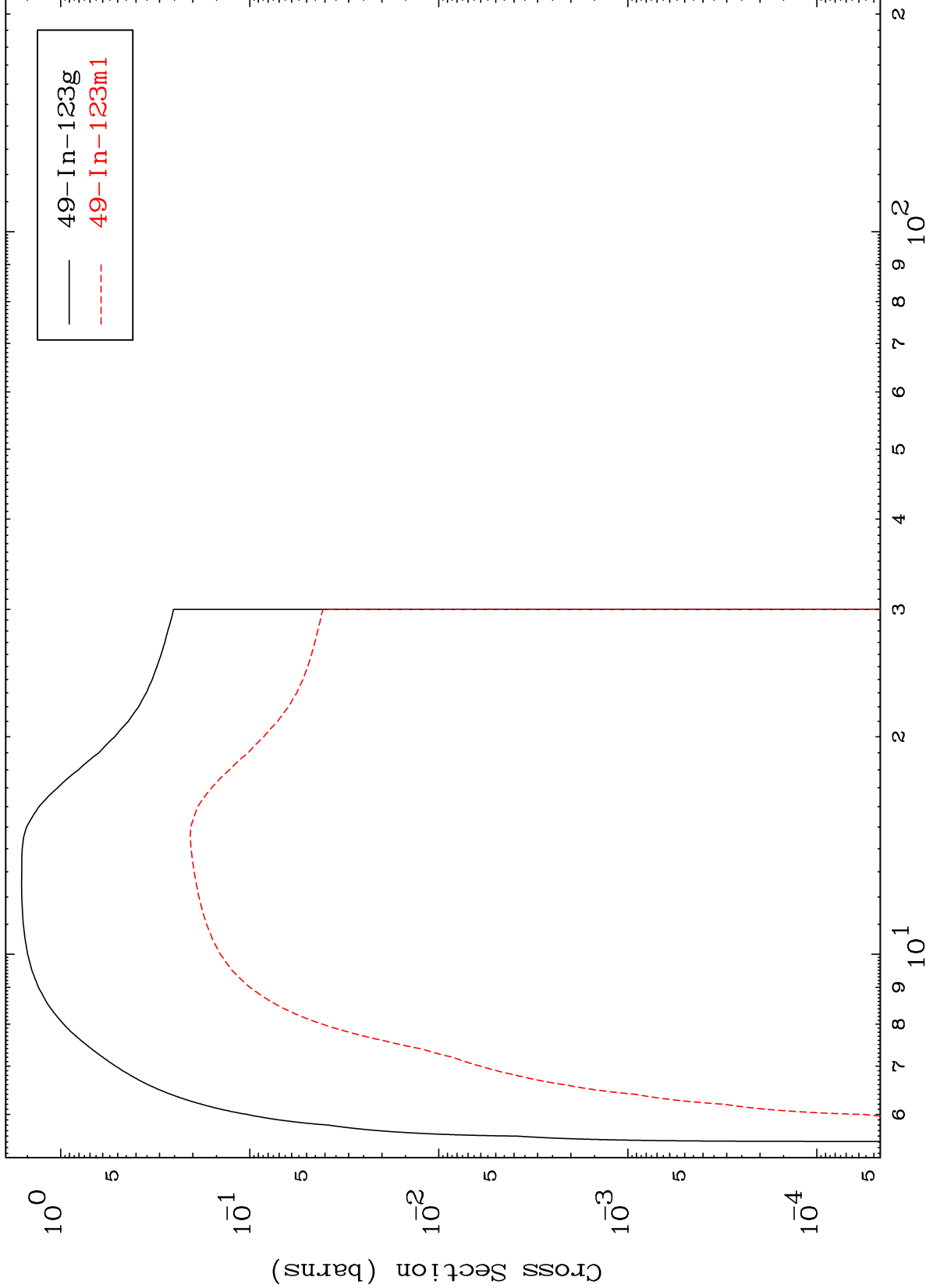


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(n,2n)

49-In-124m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

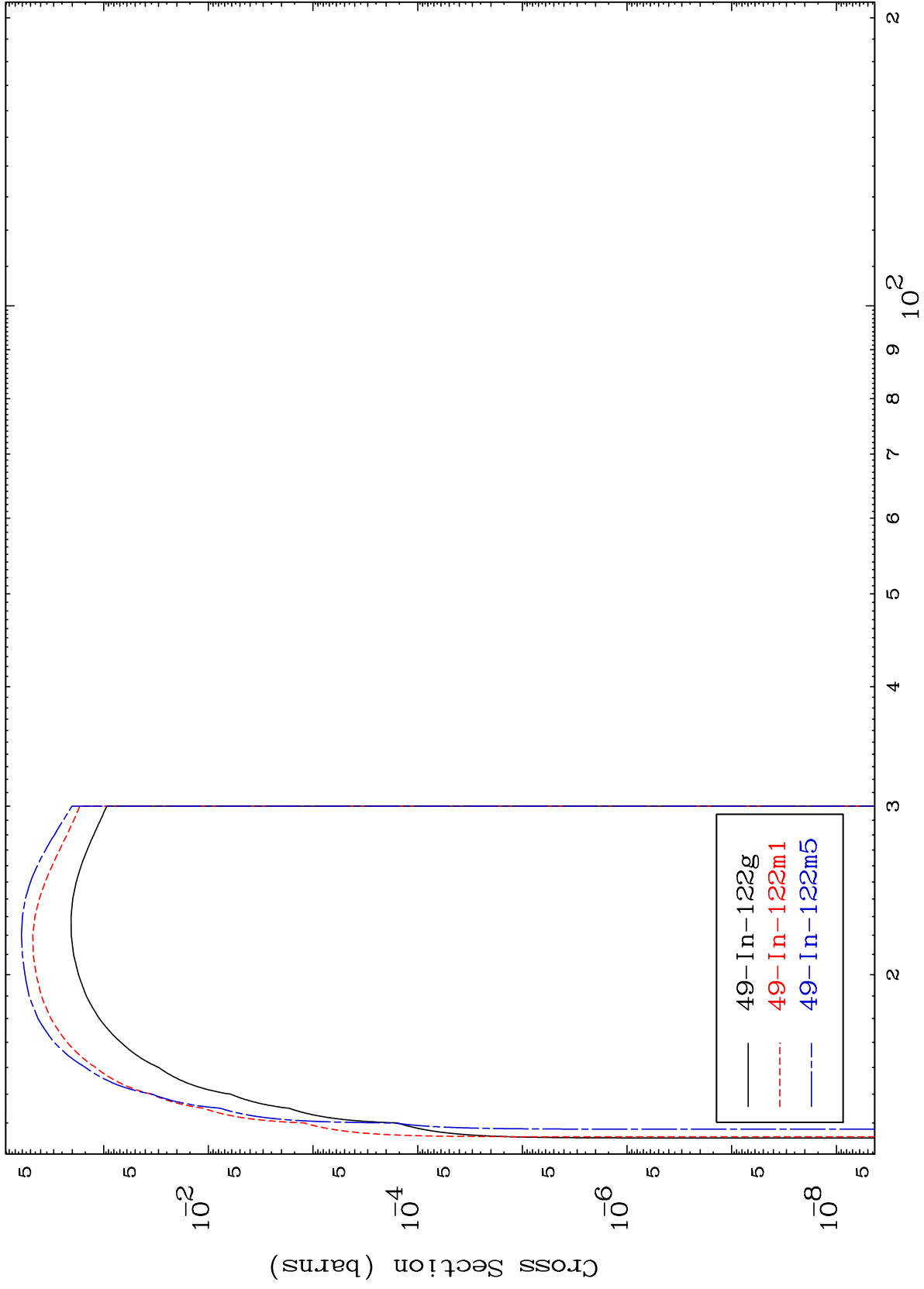
49-In-124m

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(n,3n)

49-In-124m

Radionuclide Production Cross Section



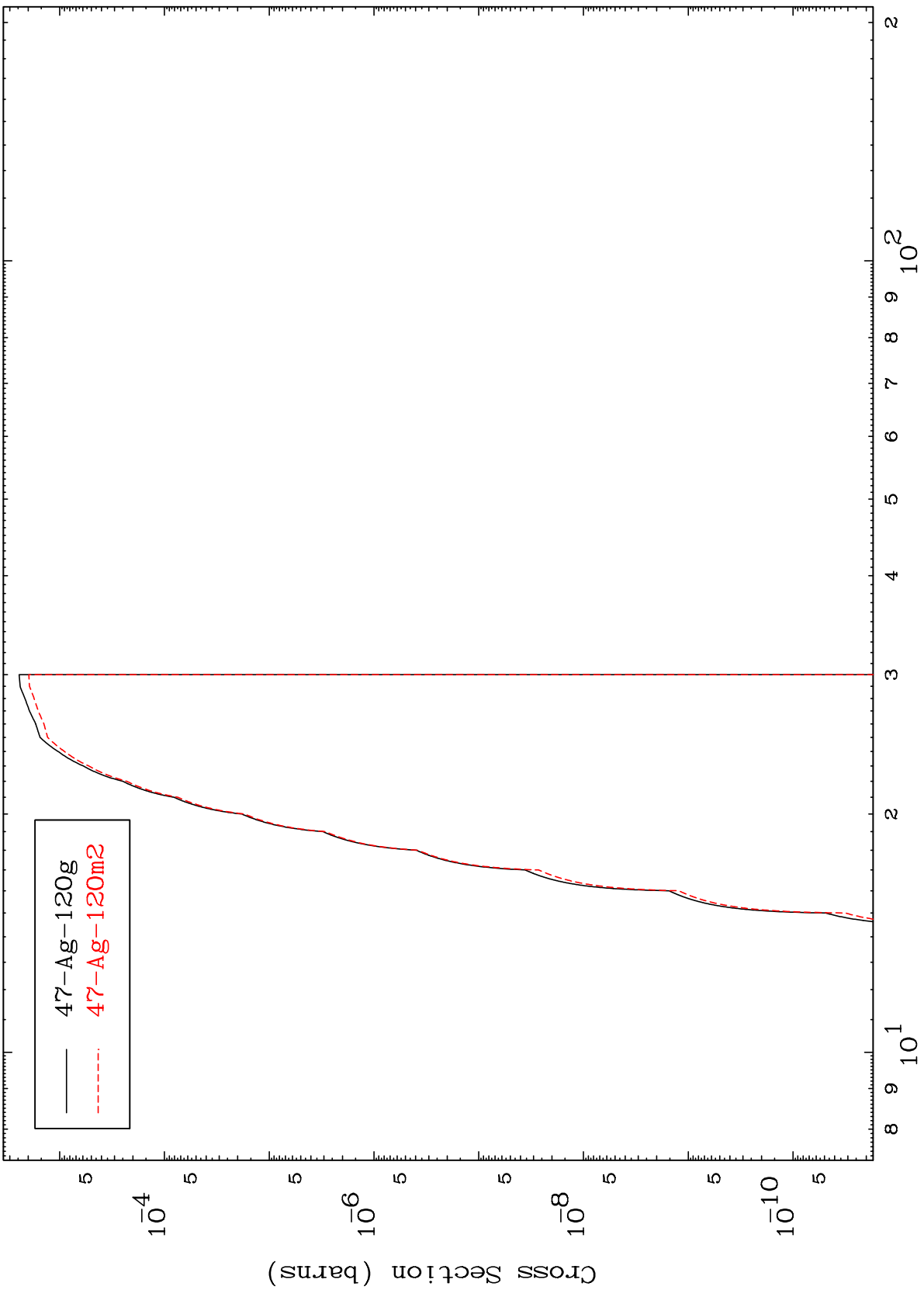


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(n,n')  $\alpha$

49-In-124m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

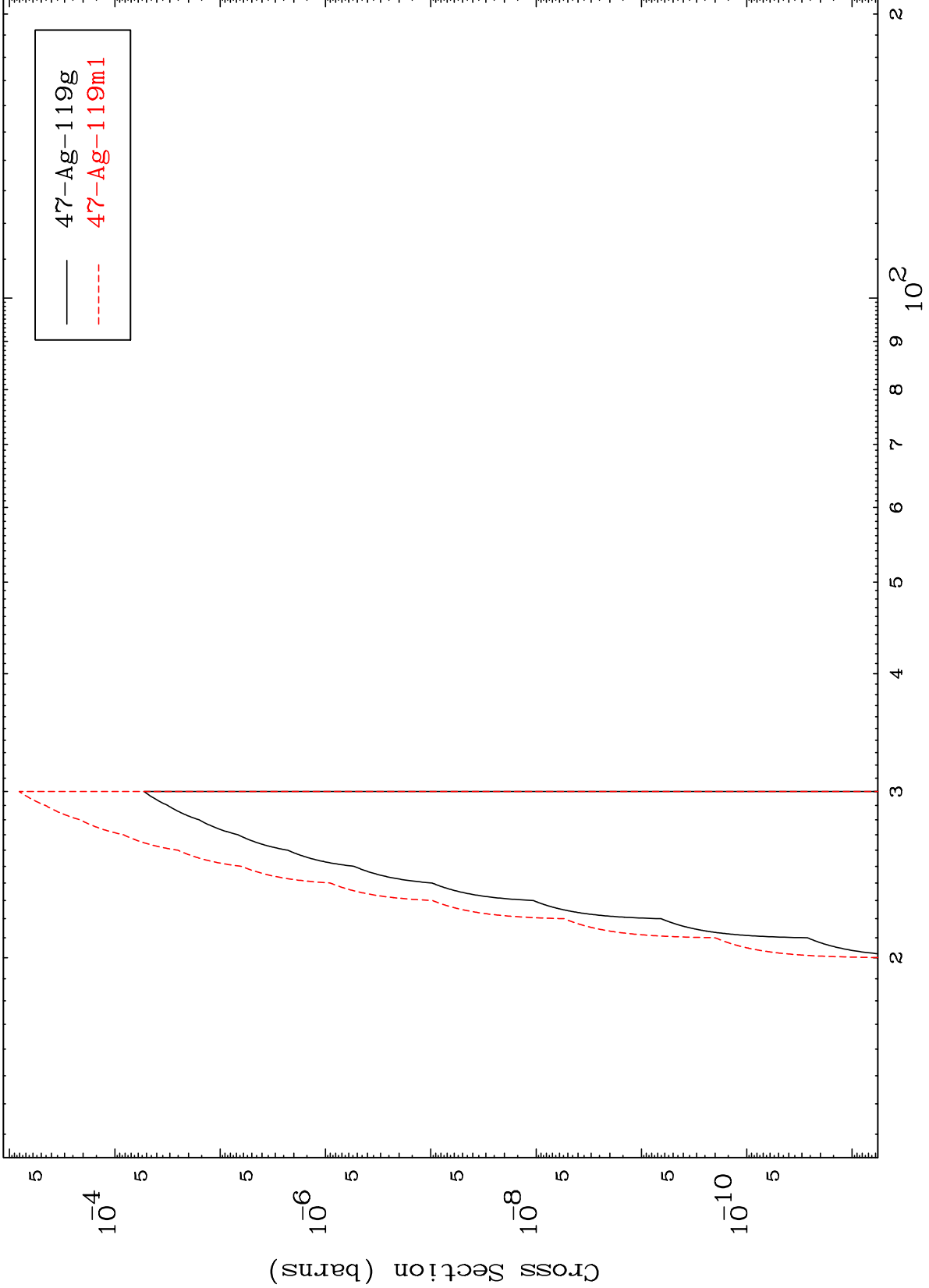
49-In-124m

MAT 4959

(n,2n)  $\alpha$

49-In-124m

Radionuclide Production Cross Section



25

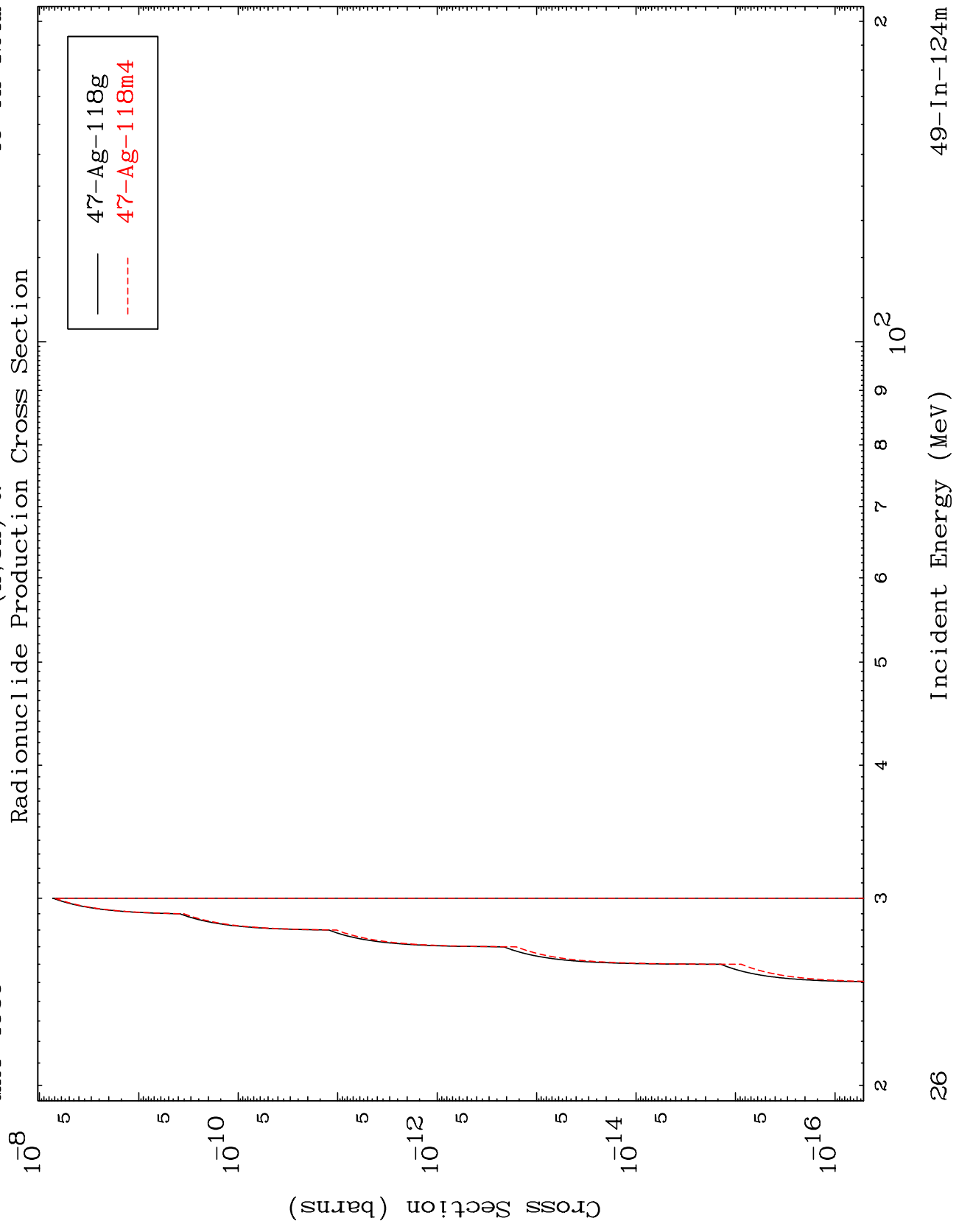
Incident Energy (MeV)

49-In-124m

MAT 4959

(n,3n)  $\alpha$

49-In-124m

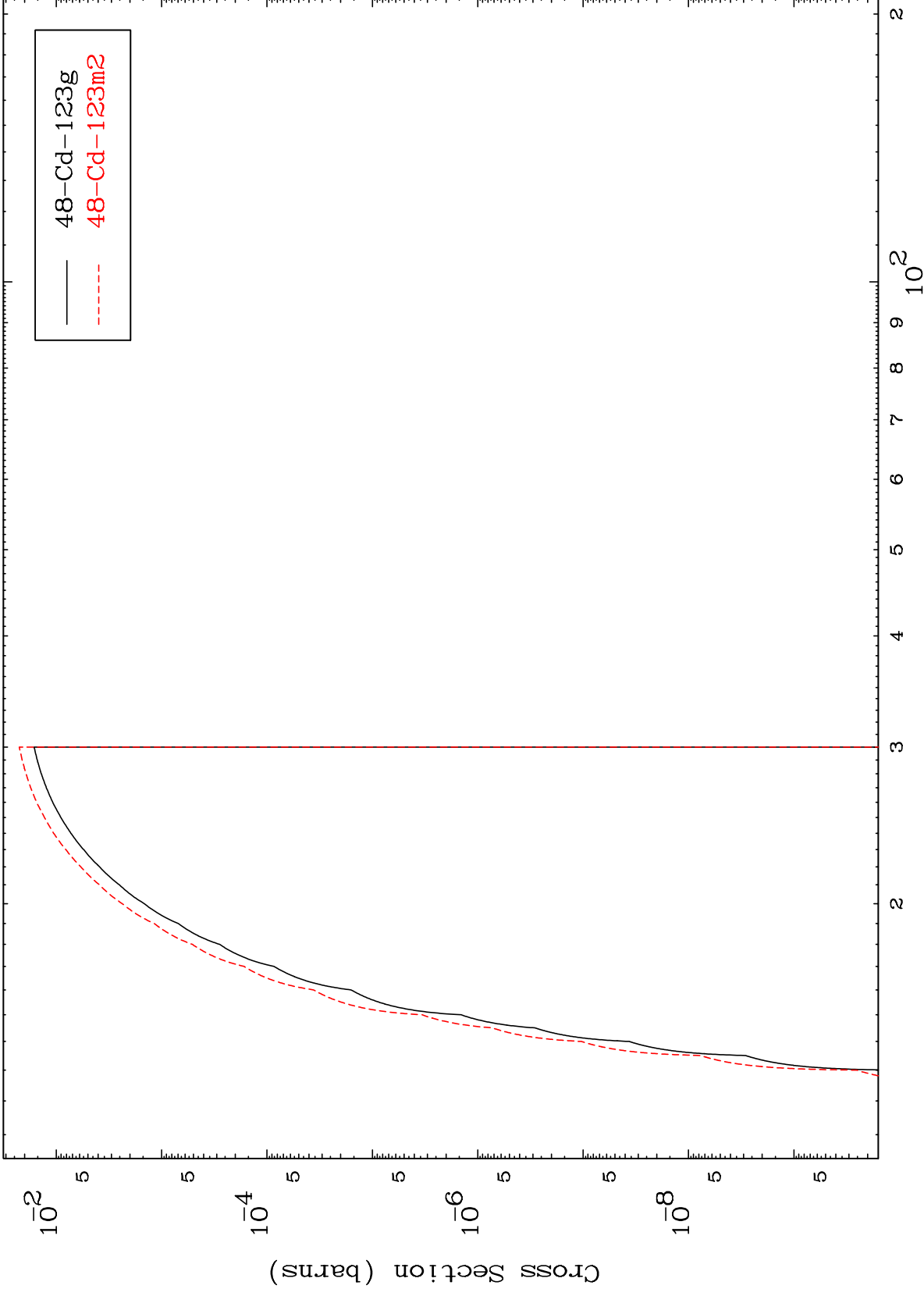


26

Incident Energy (MeV)

49-In-124m

Radionuclide Production Cross Section

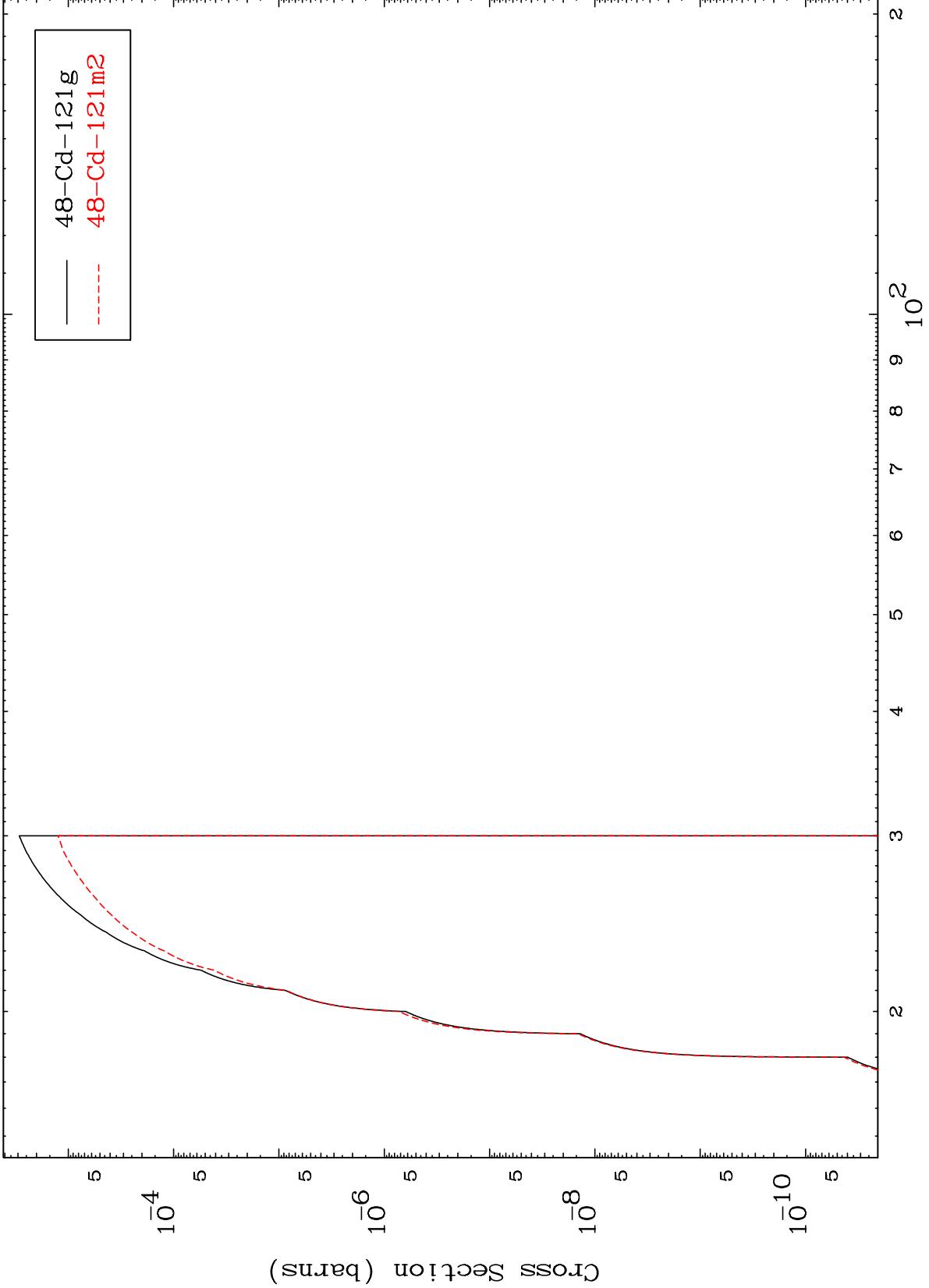


MAT 4959

(n,n') t

49-In-124m

Radionuclide Production Cross Section



28

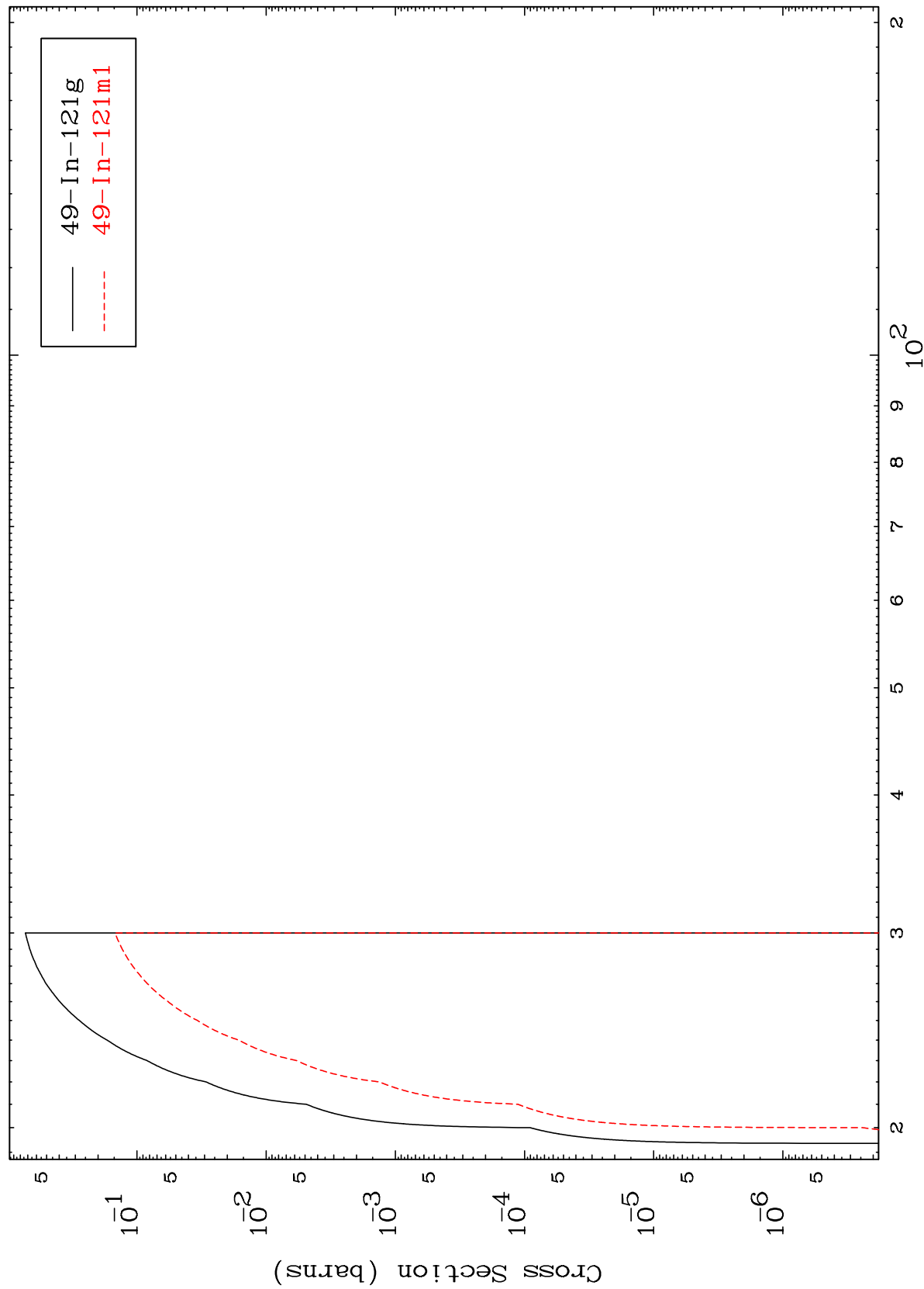
Incident Energy (MeV)

49-In-124m

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49-In-124m

(n,4n)  
Radionuclide Production Cross Section



29

Incident Energy (MeV)

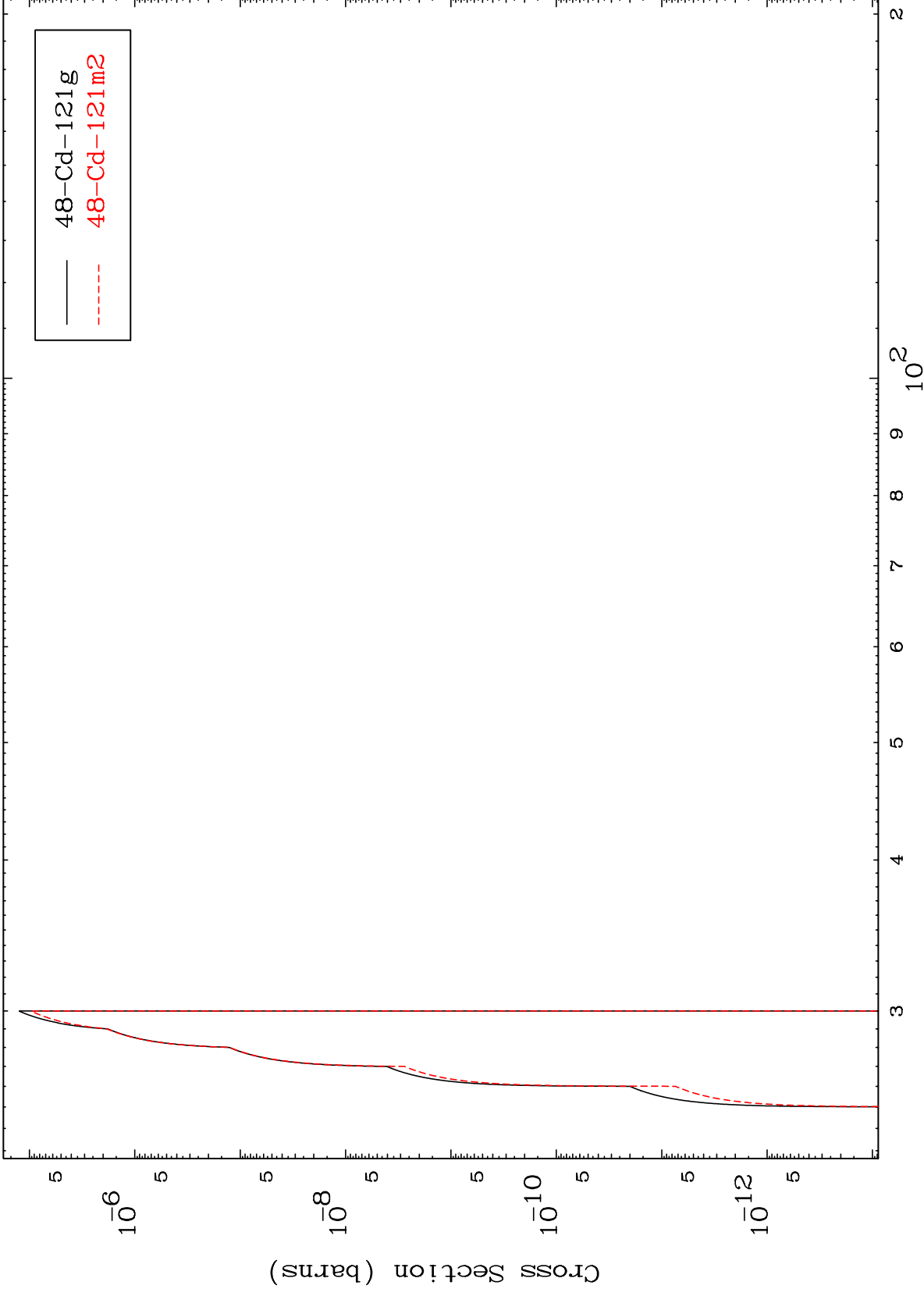
49-In-124m

MAT 4959

(n,3n) p

49-In-124m

Radionuclide Production Cross Section



30

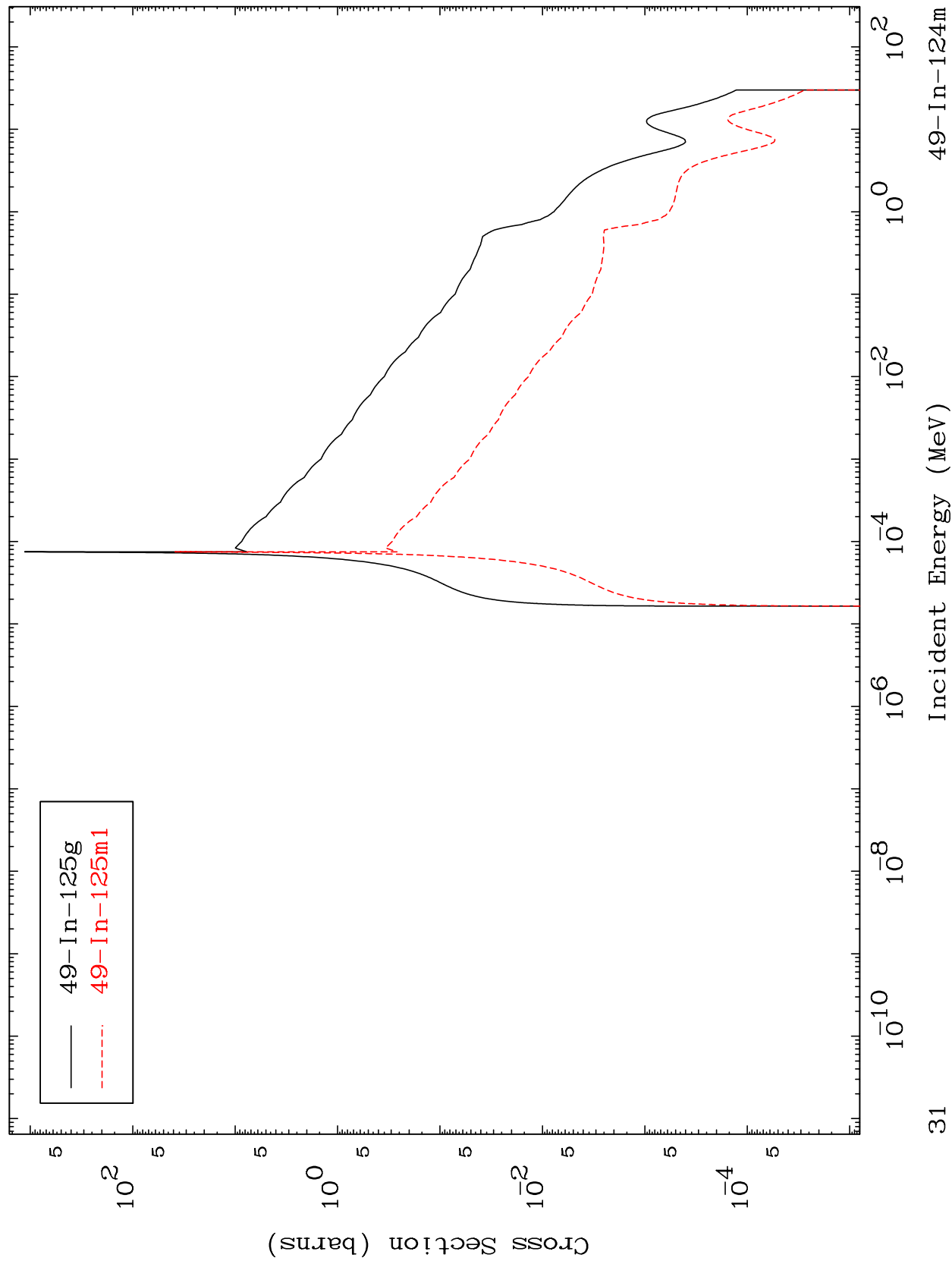
Incident Energy (MeV)

49-In-124m

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49-In-124m

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



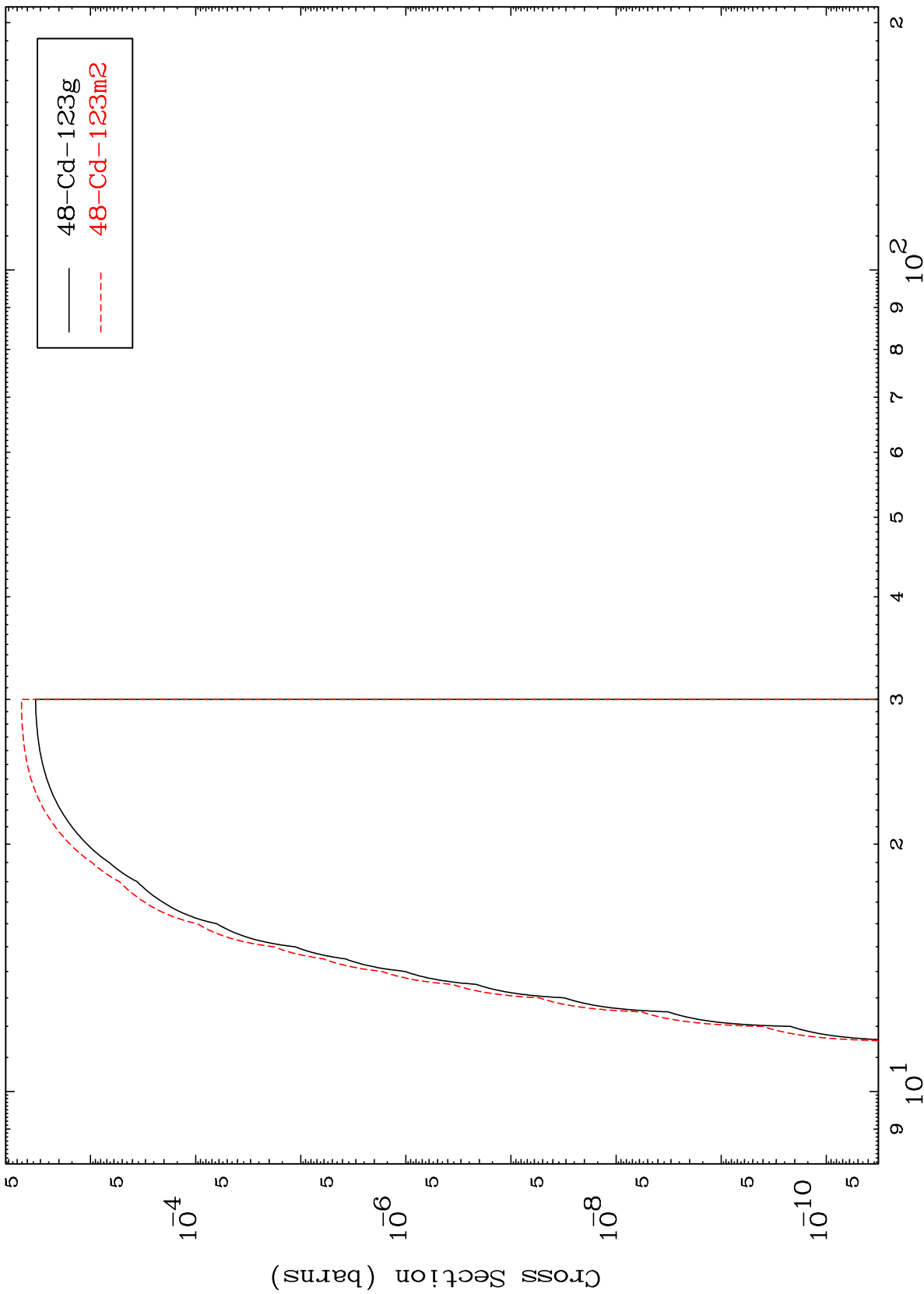


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(n,d)

49-In-124m

Radionuclide Production Cross Section



32

Incident Energy (MeV)

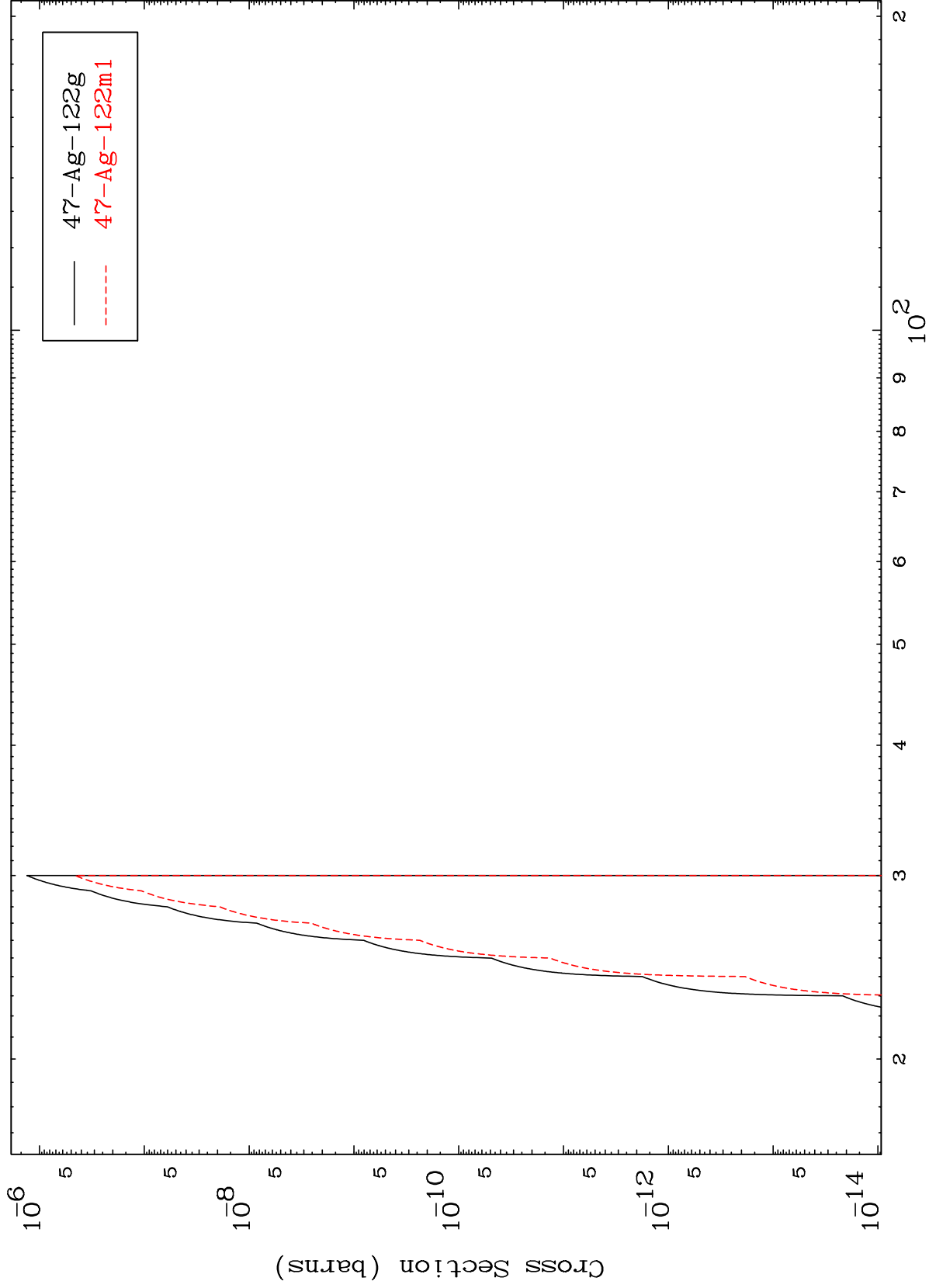
49-In-124m

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(n,He-3)

49-In-124m

Radionuclide Production Cross Section



33

Incident Energy (MeV)

49-In-124m