

Program EVALPLOT  
(Version 2021-1)

by

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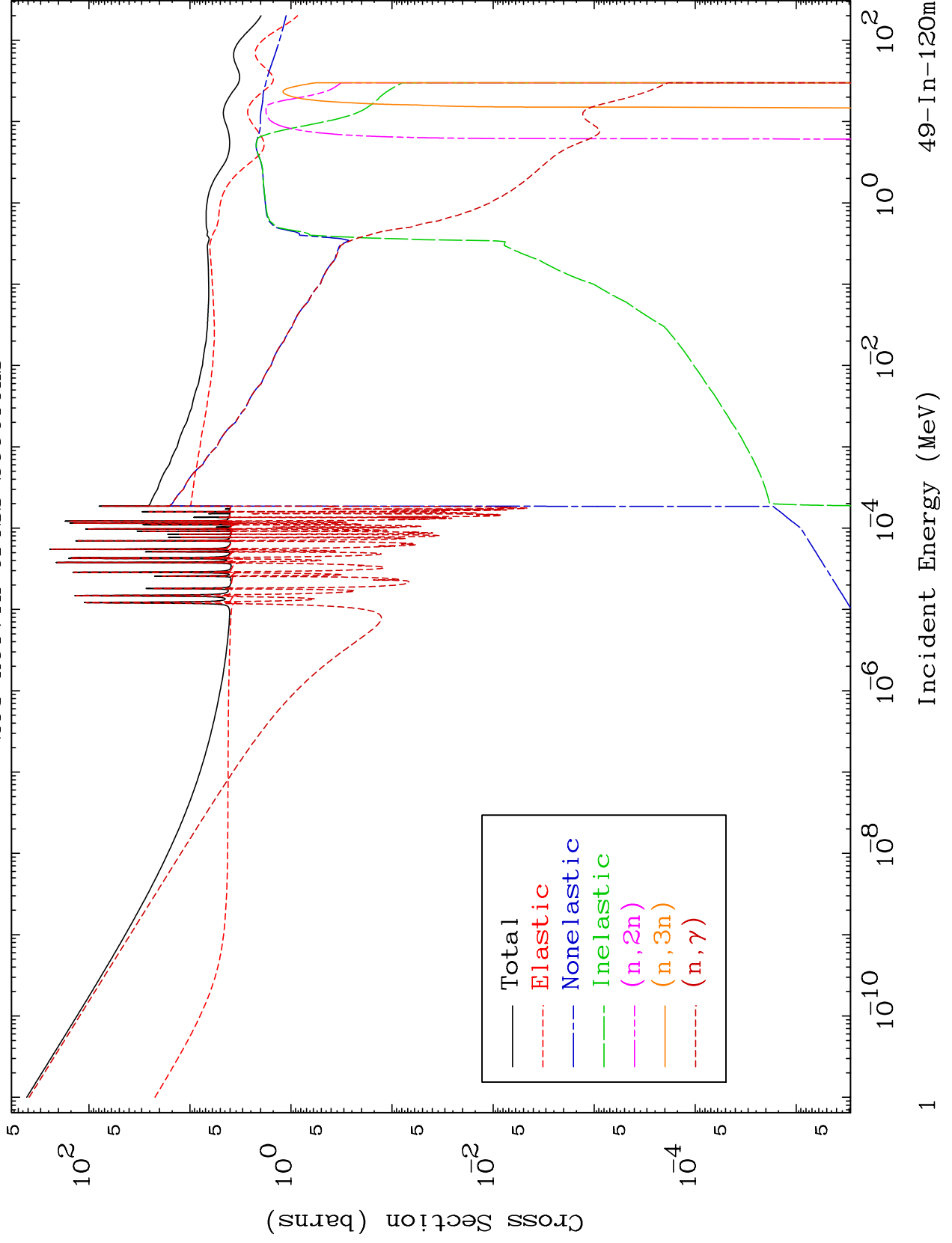
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4947

Neutron Major  
293 Kelvin Cross Sections

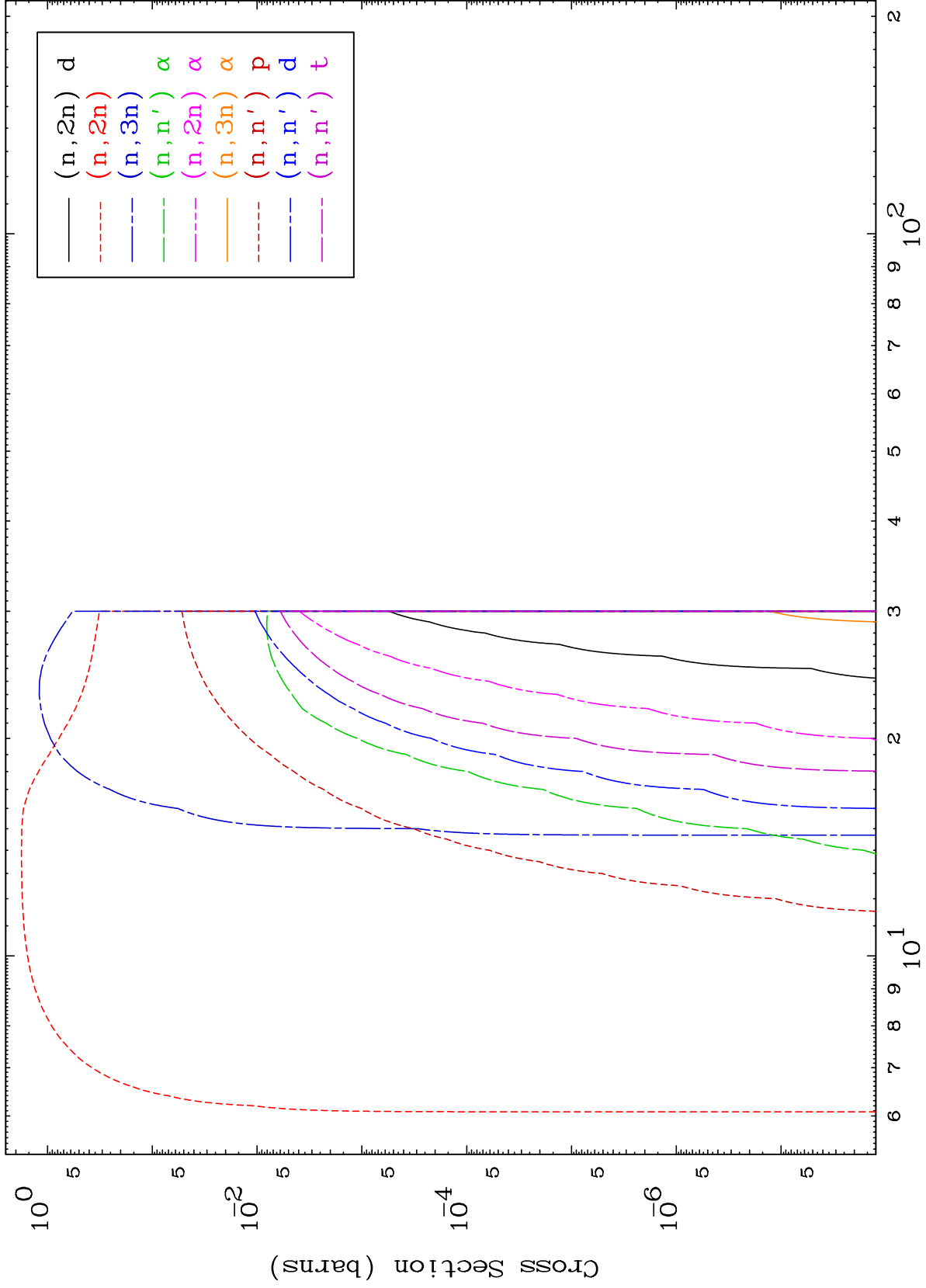
49-In-120m



MAT 4947

Neutron Absorption  
293 Kelvin Cross Sections

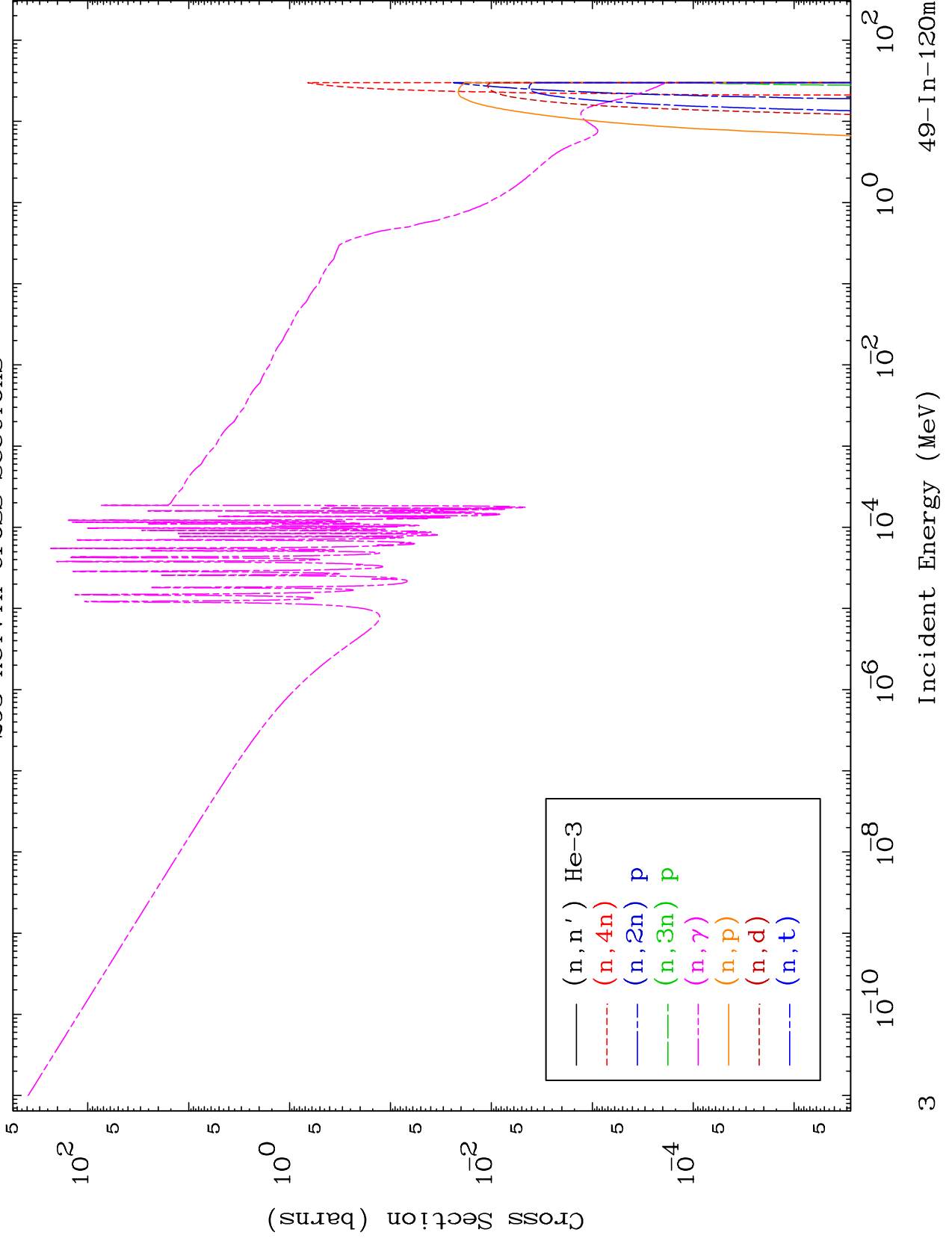
49-In-120m



MAT 4947

Neutron Absorption  
293 Kelvin Cross Sections

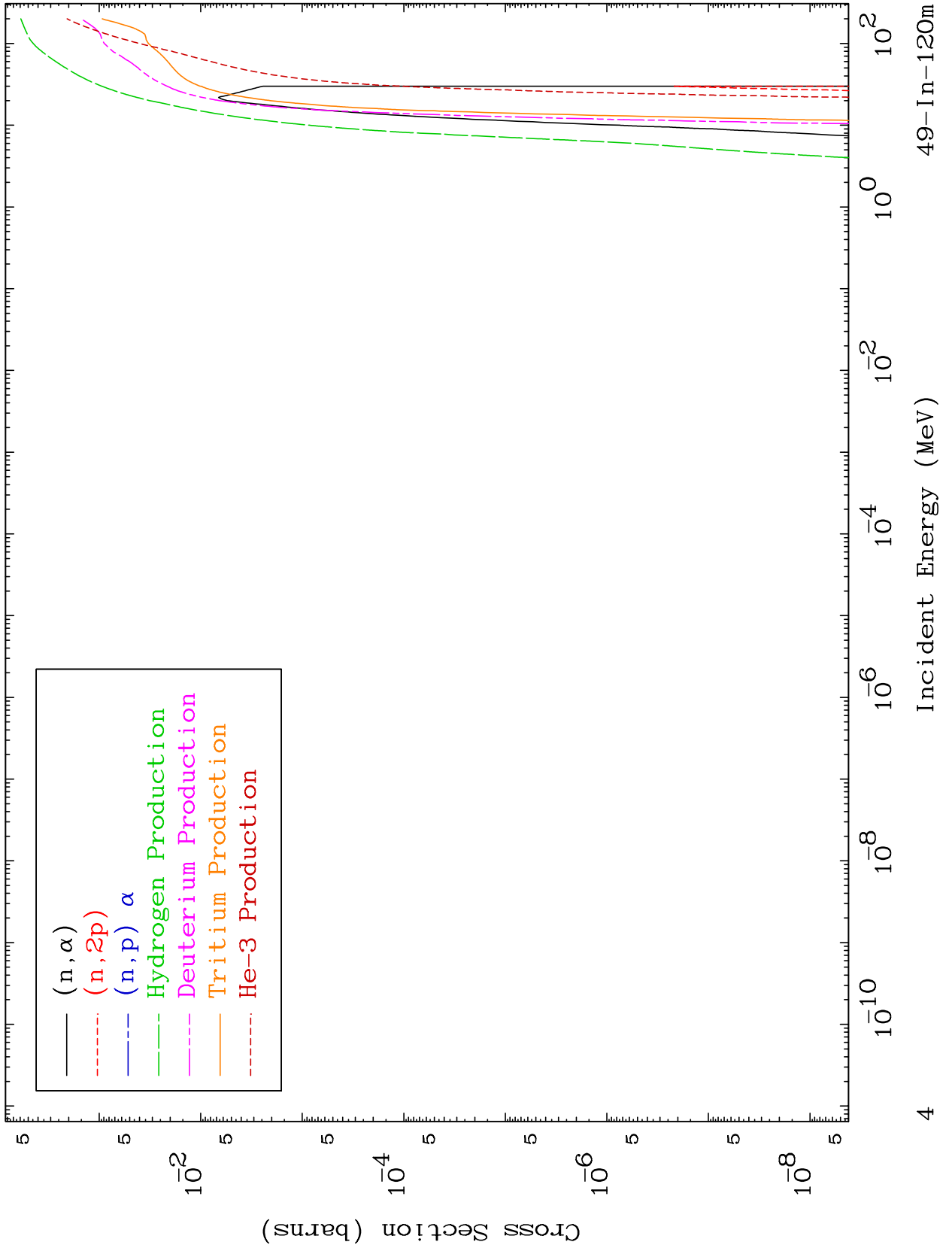
49-In-120m



MAT 4947

Neutron Absorption  
293 Kelvin Cross Sections

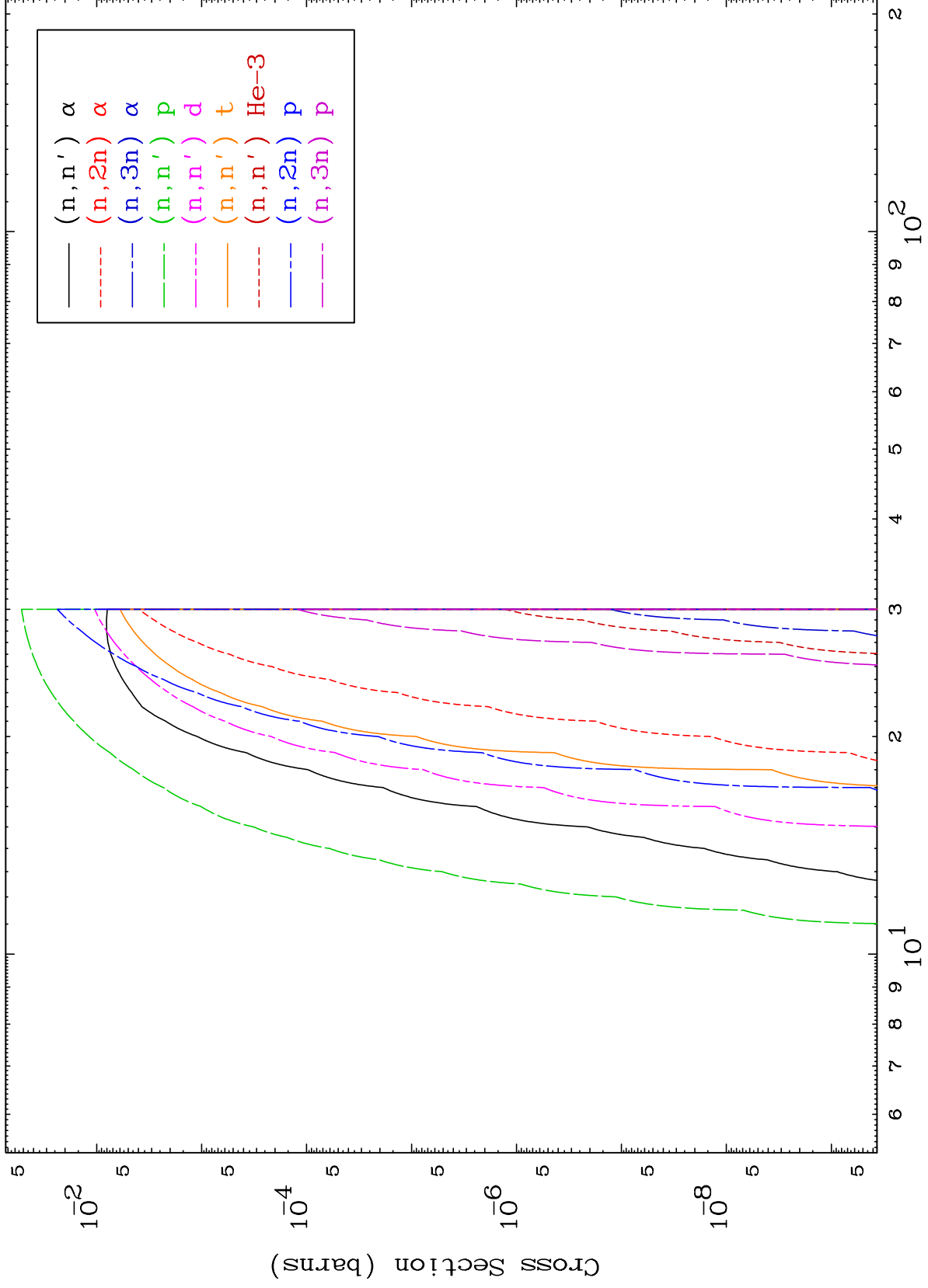
49-In-120m



MAT 4947

Charged Particle  
293 Kelvin Cross Sections

49-In-120m



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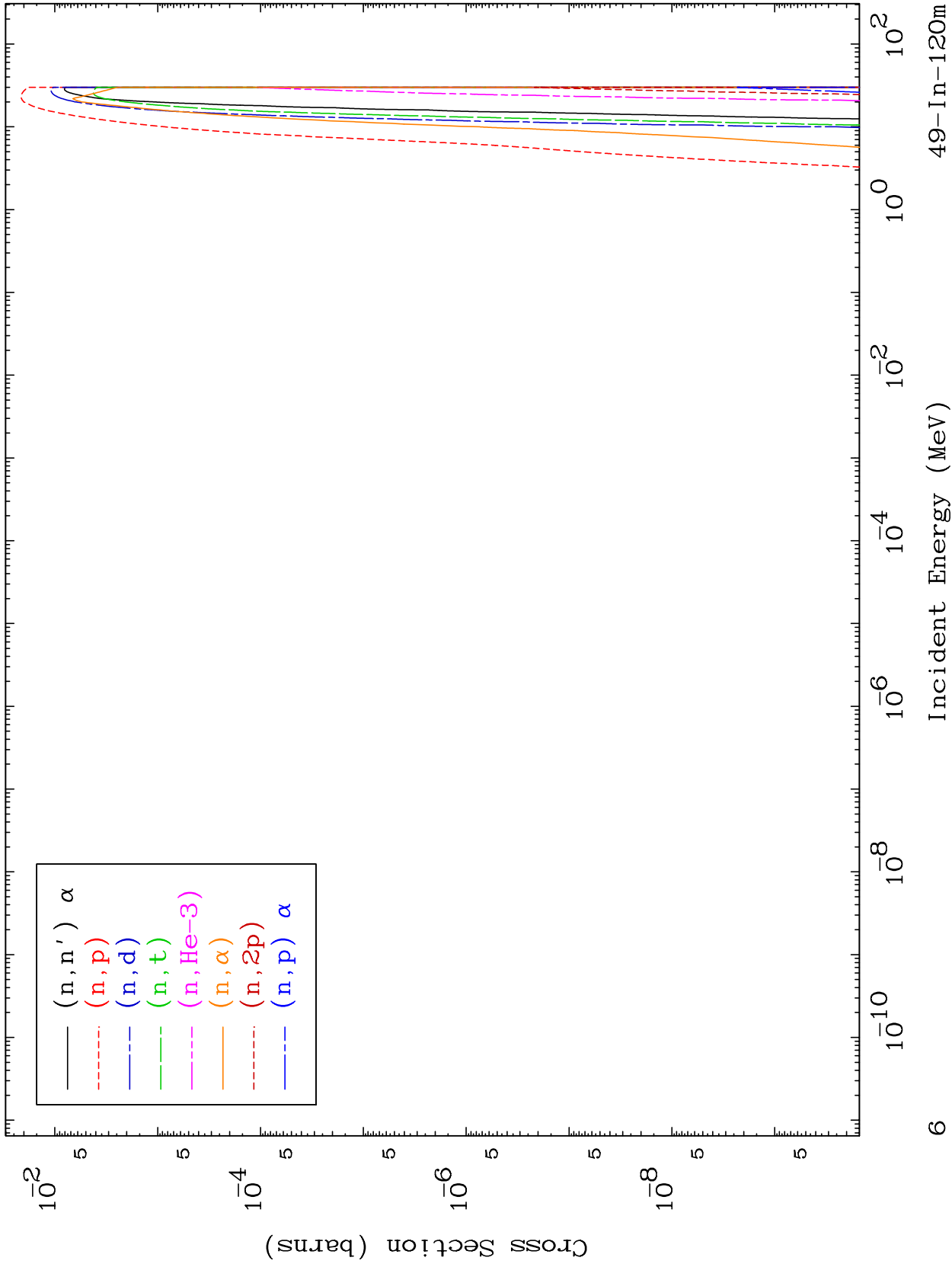
Incident Energy (MeV)

49-In-120m

MAT 4947

Charged Particle  
293 Kelvin Cross Sections

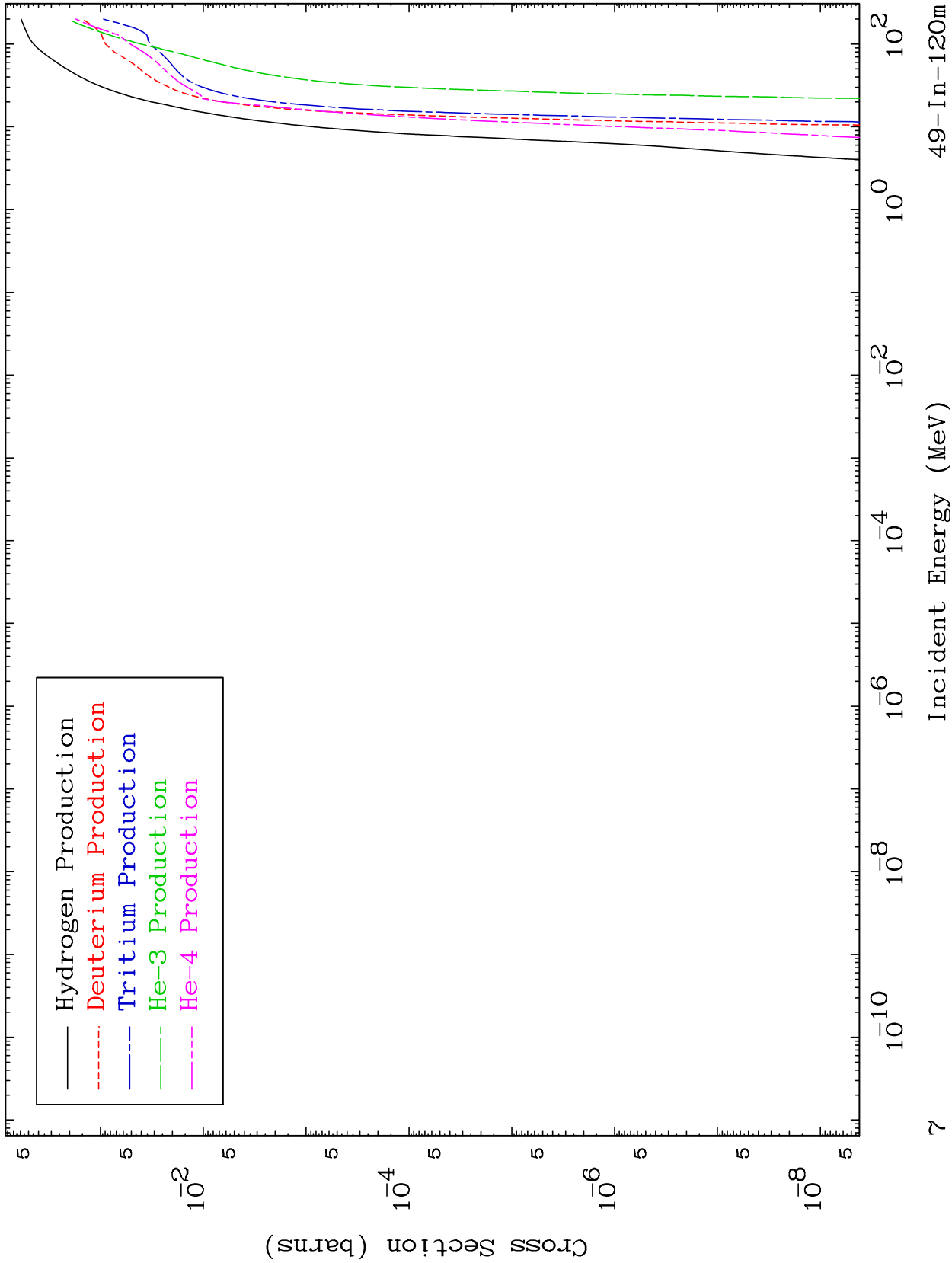
49-In-120m



MAT 4947

Particle Production  
293 Kelvin Cross Sections

49-In-120m

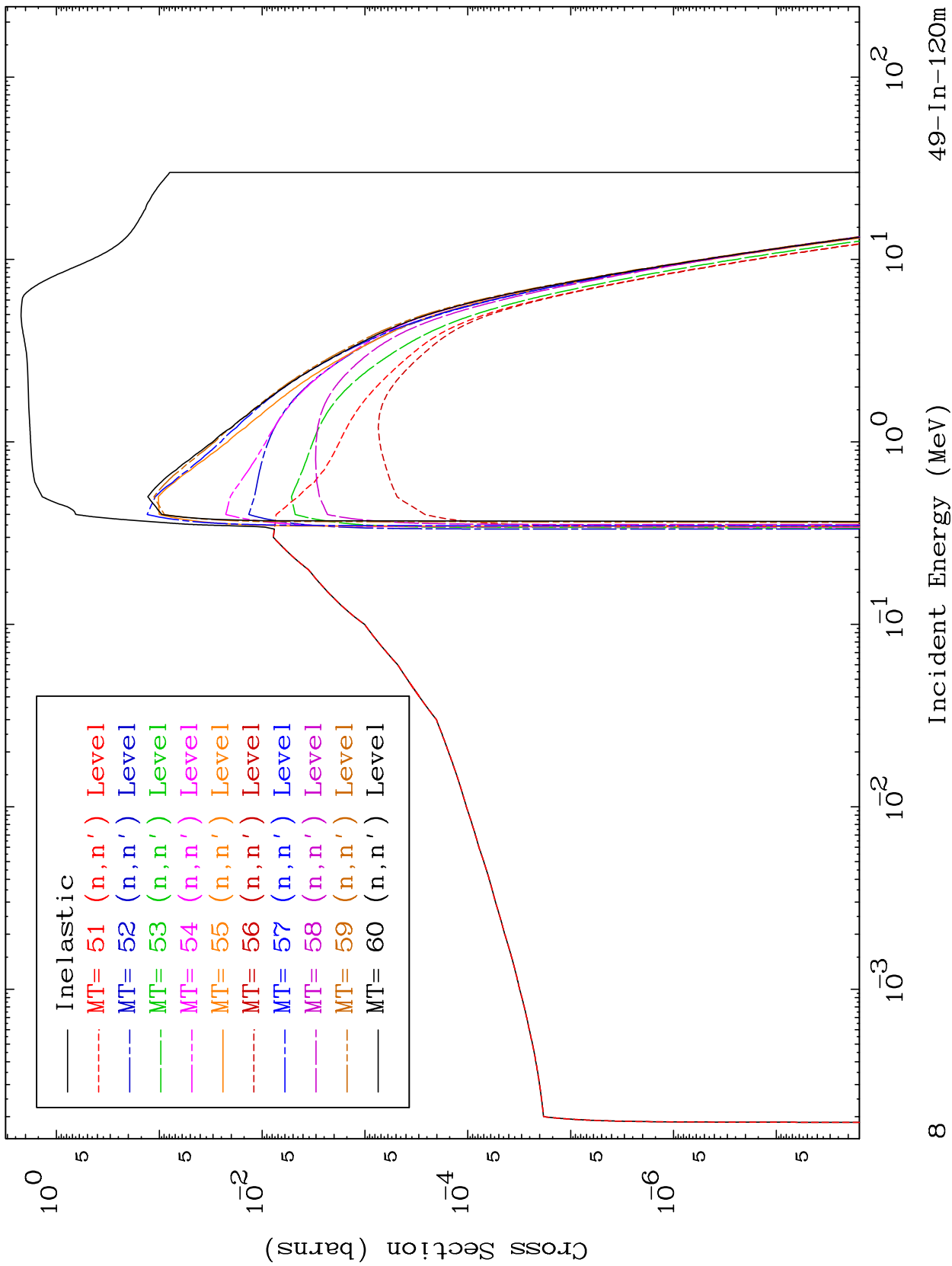




MAT 4947

(n,n') Levels  
293 Kelvin Cross Sections

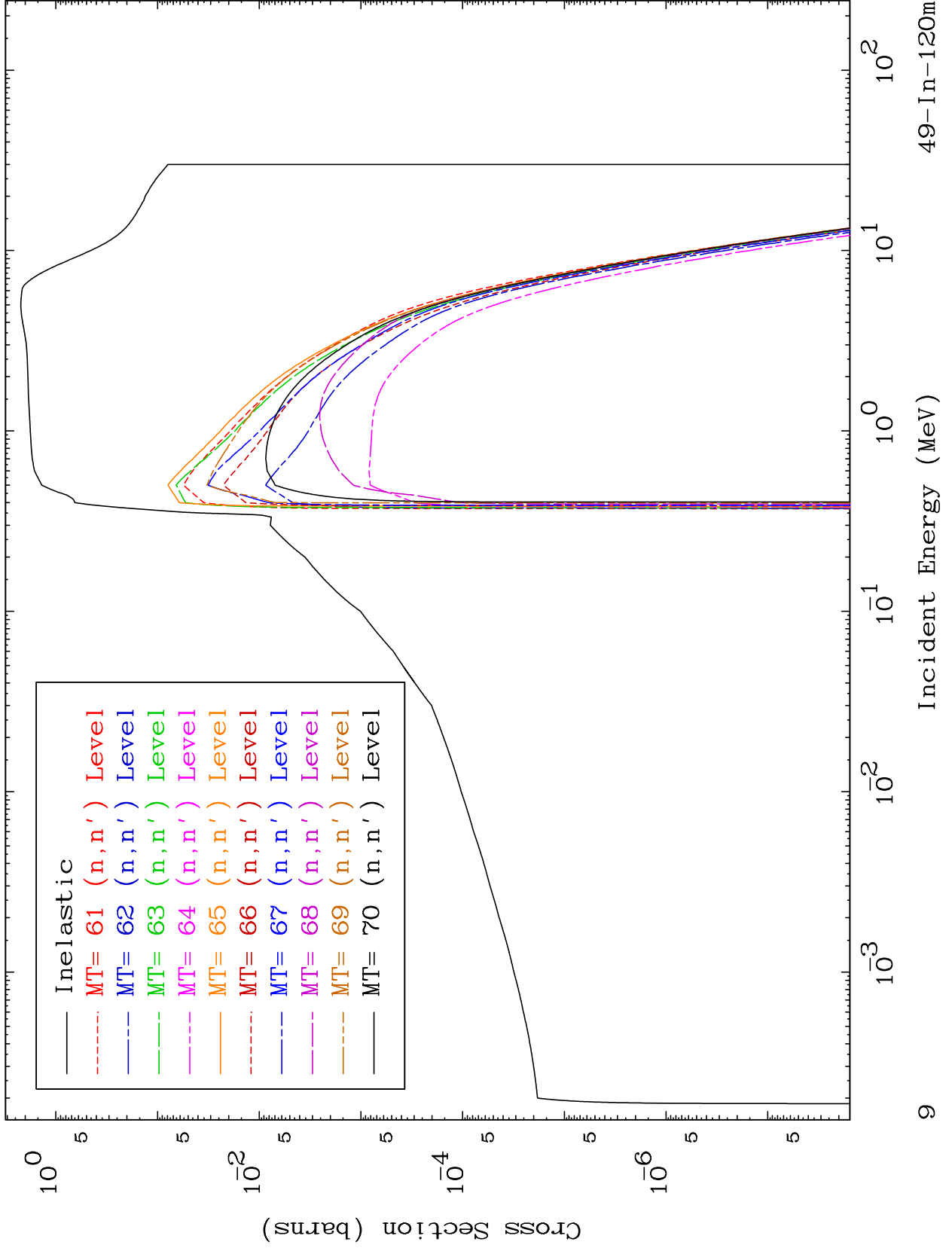
49-In-120m



MAT 4947

(n,n') Levels  
293 Kelvin Cross Sections

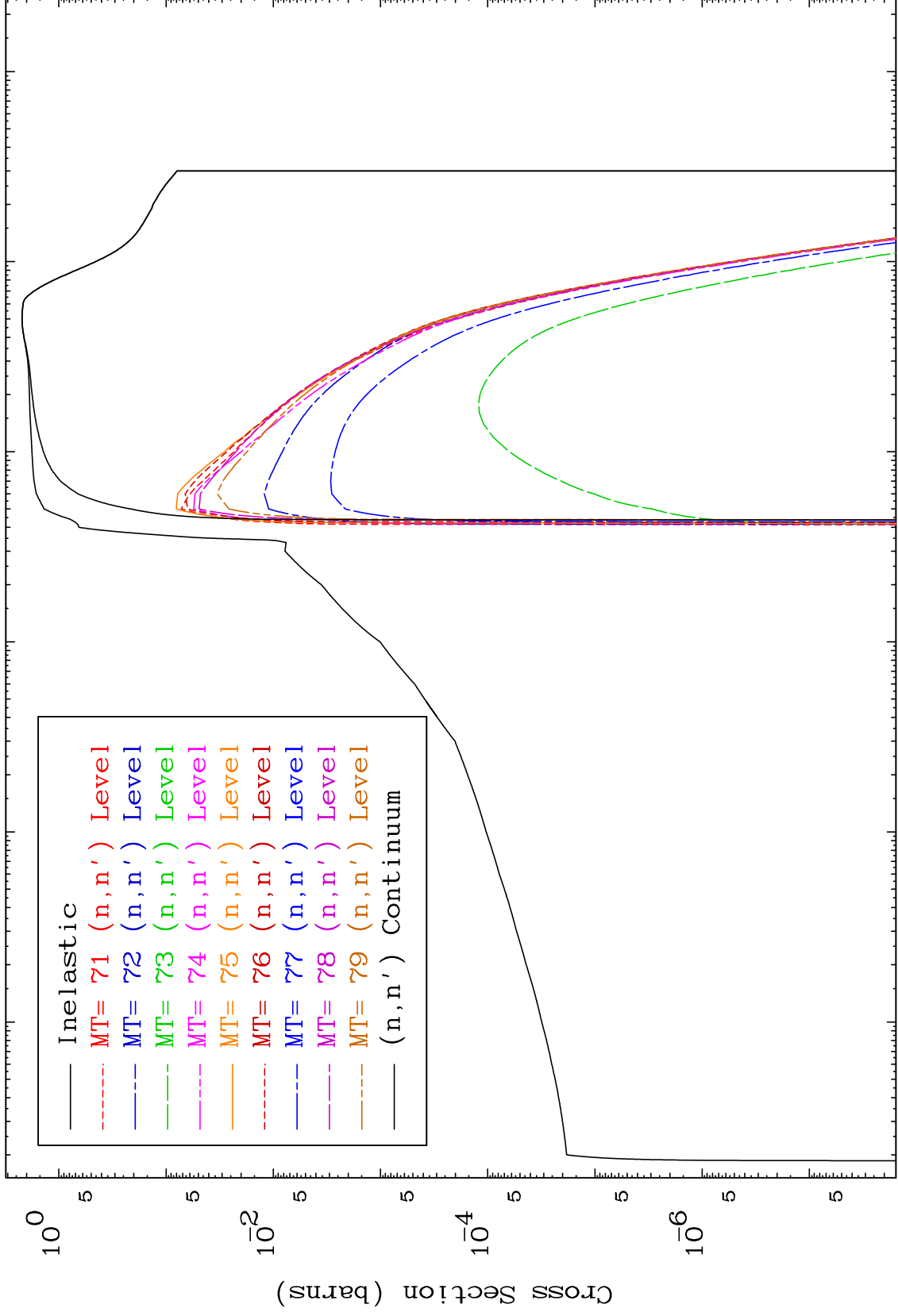
49-In-120m



MAT 4947

(n,n') Levels  
293 Kelvin Cross Sections

49-In-120m



10

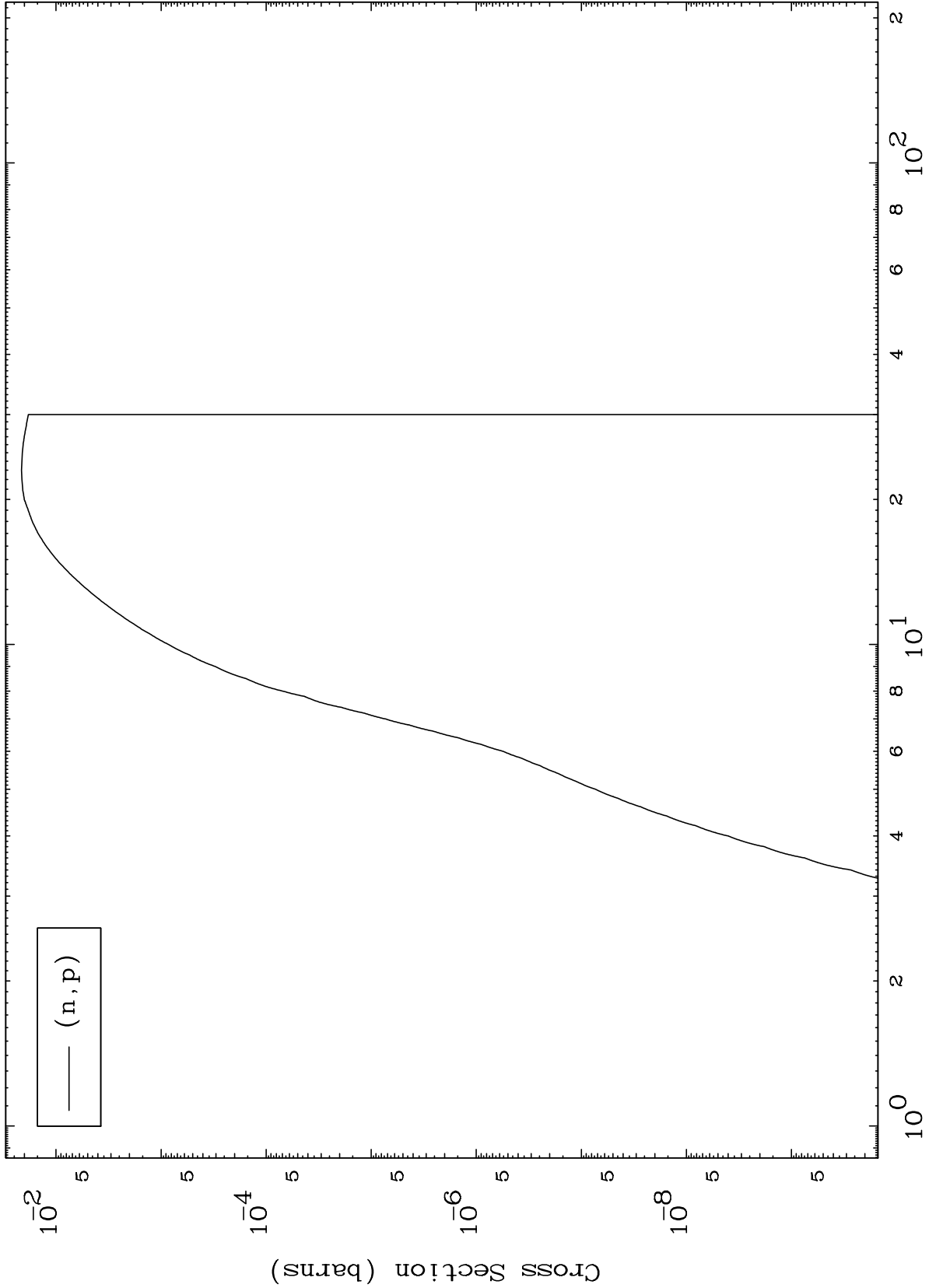
Incident Energy (MeV)

49-In-120m

MAT 4947

(n,p) Levels  
293 Kelvin Cross Sections

49-In-120m



(n,p)

Incident Energy (MeV)

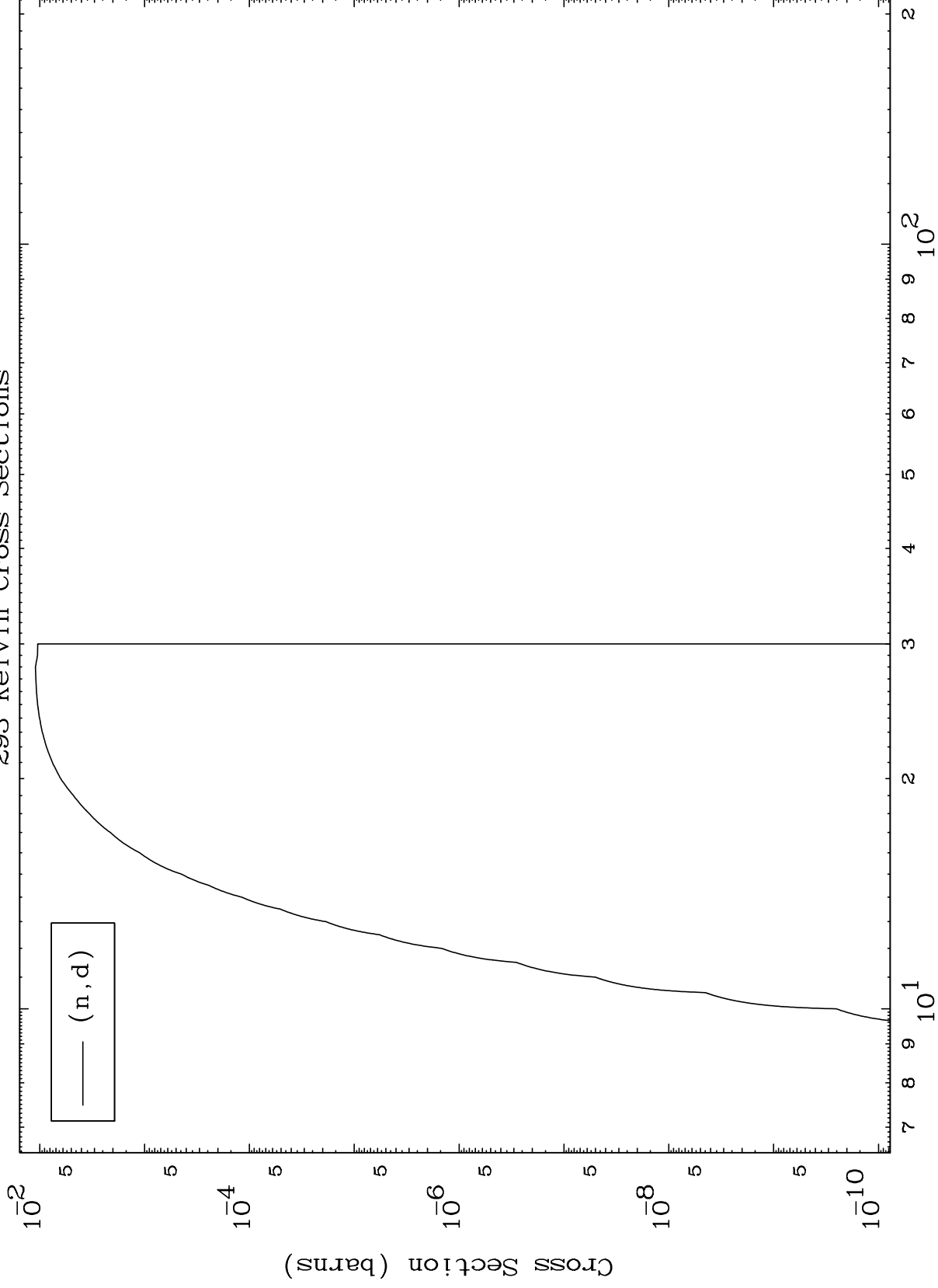
49-In-120m

11

MAT 4947

(n,d) Levels  
293 Kelvin Cross Sections

49-In-120m



12

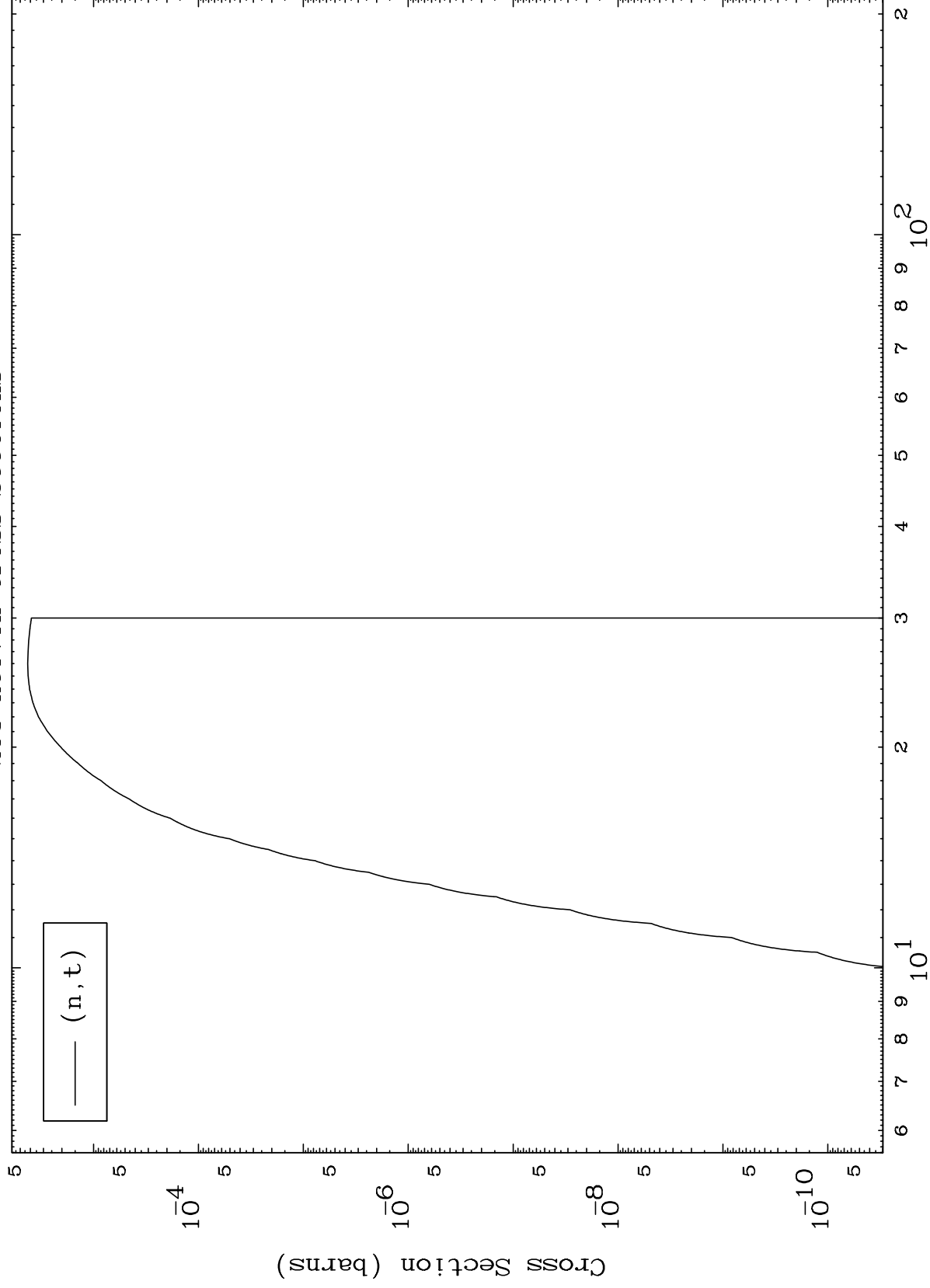
Incident Energy (MeV)

49-In-120m

MAT 4947

(n, t) Levels  
293 Kelvin Cross Sections

49-In-120m



13

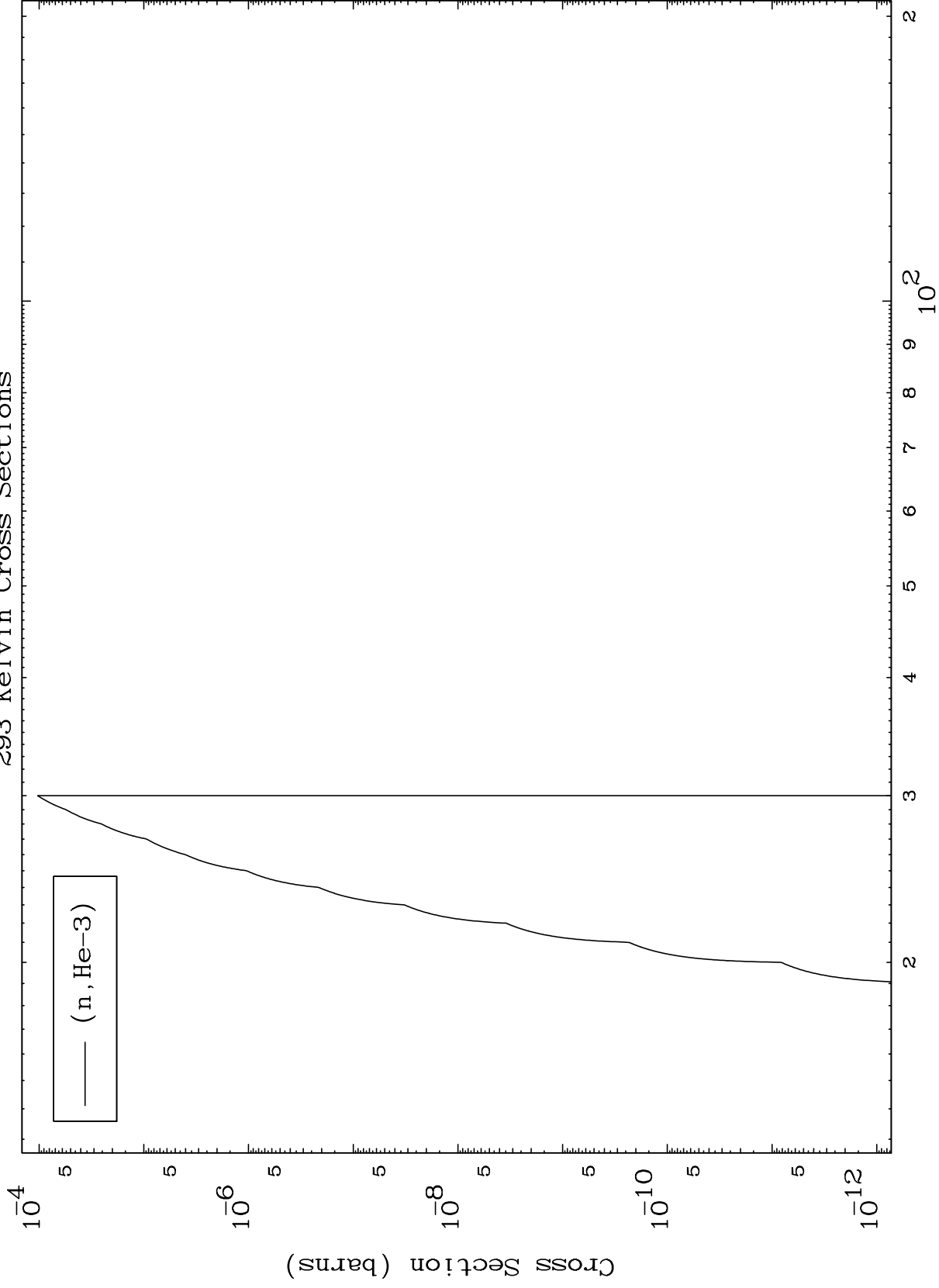
Incident Energy (MeV)

49-In-120m

MAT 4947

(n,He3) Levels  
293 Kelvin Cross Sections

49-In-120m



14

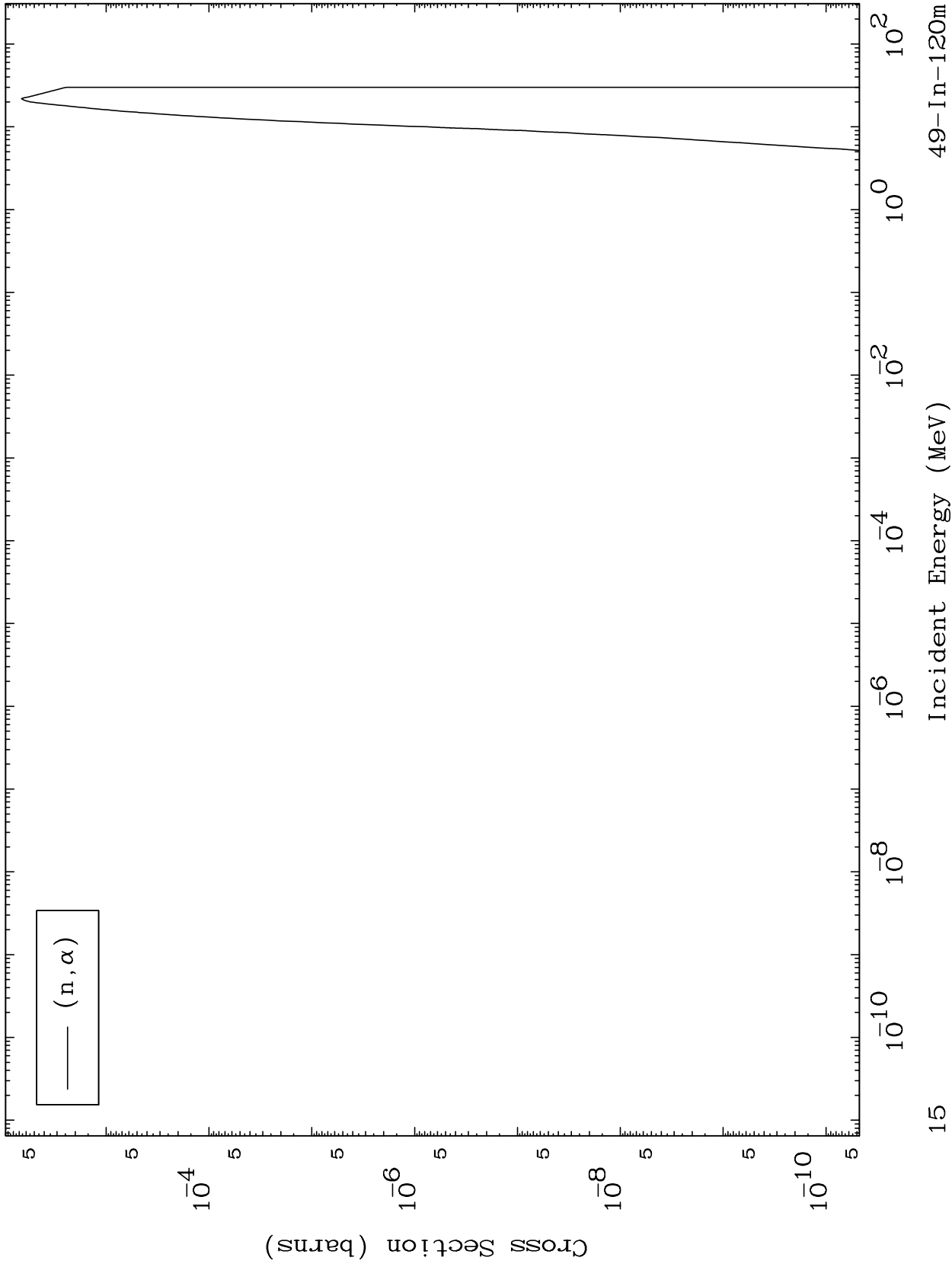
Incident Energy (MeV)

49-In-120m

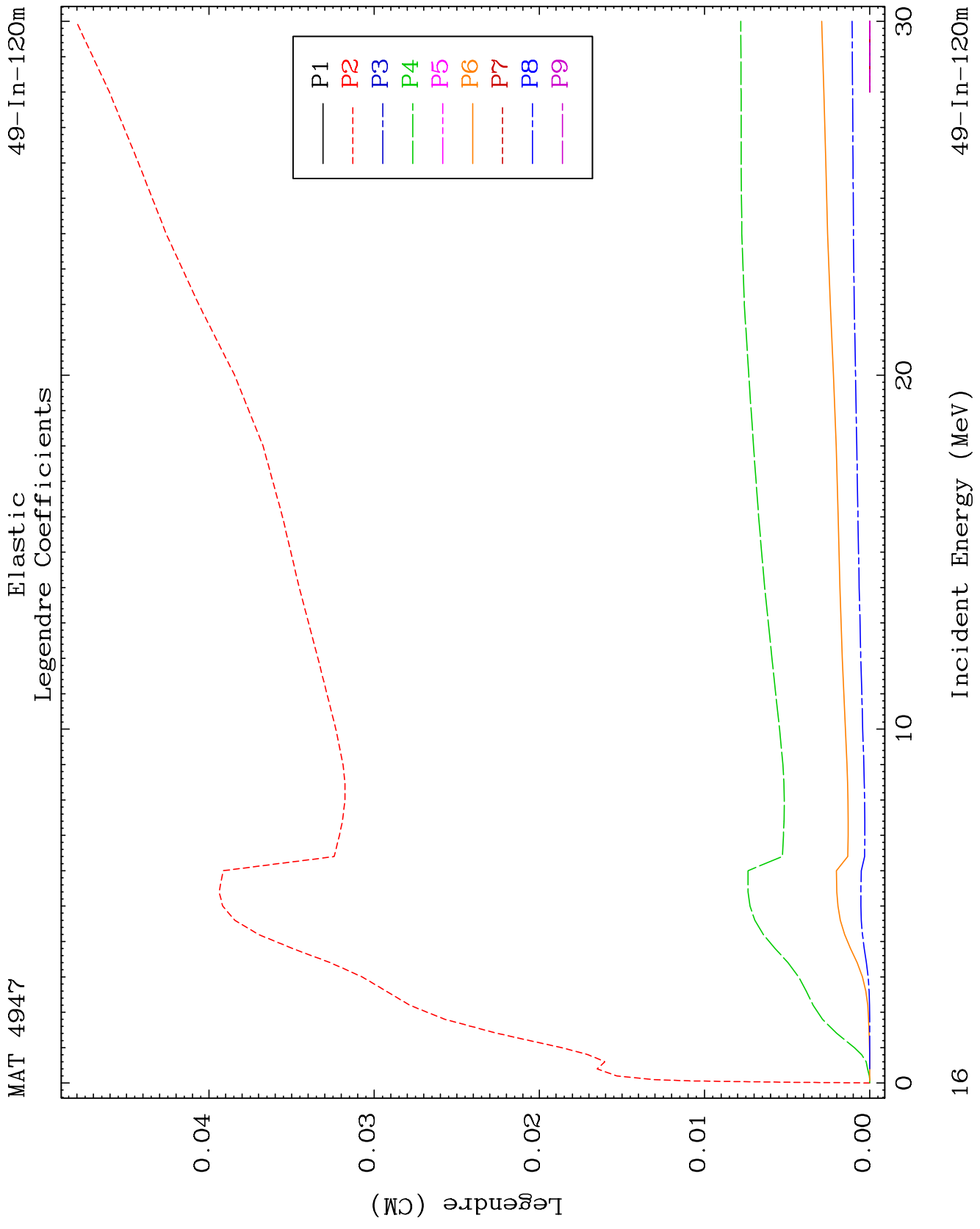
MAT 4947

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

49-In-120m



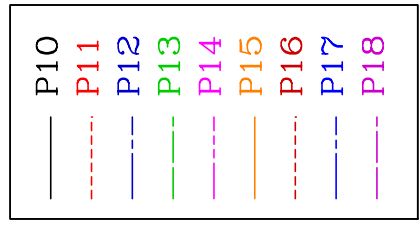




MAT 4947

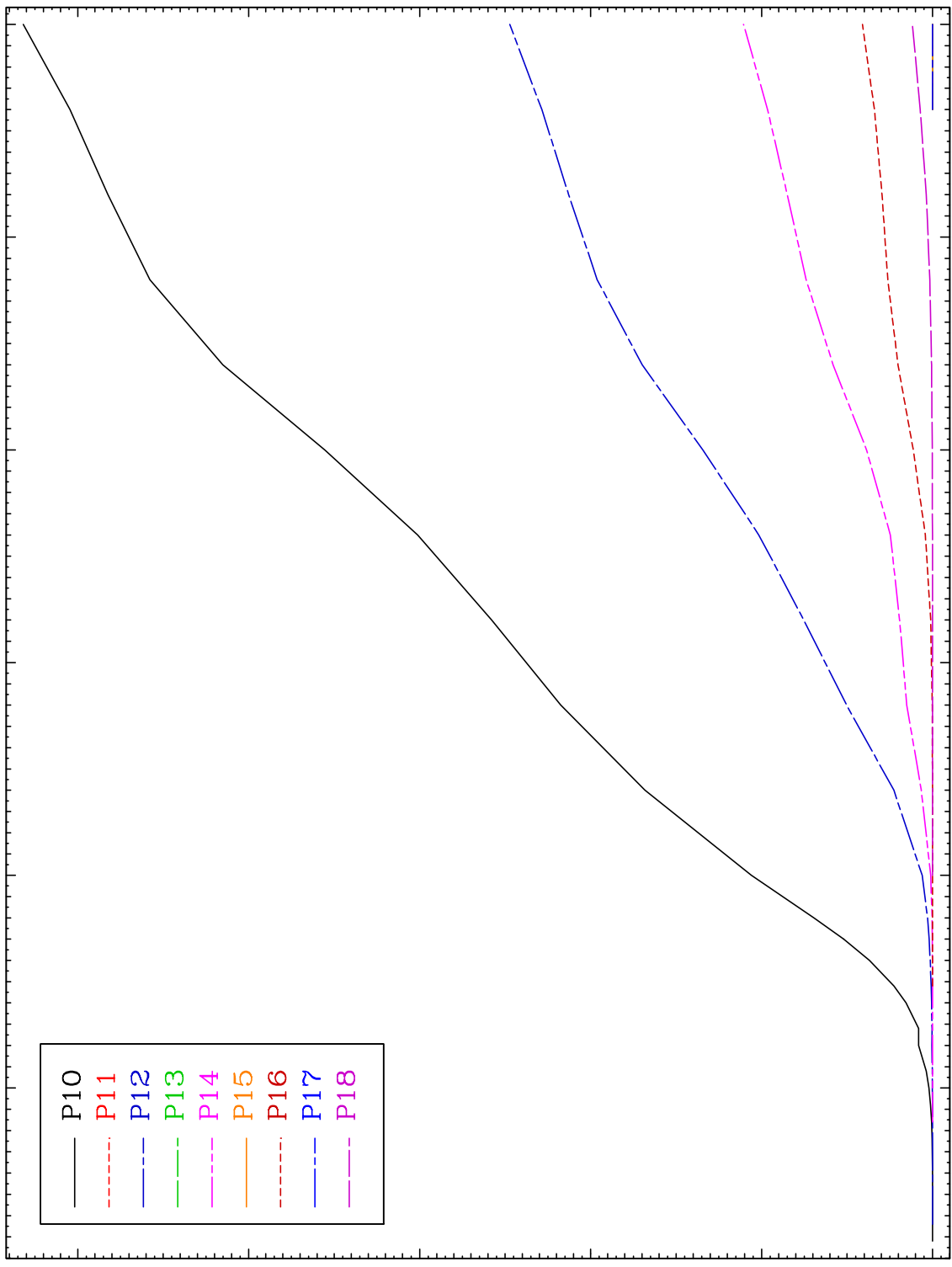
Elastic Legendre Coefficients

49-In-120m



$\times 10^{-4}$

Legendre (CM)



17

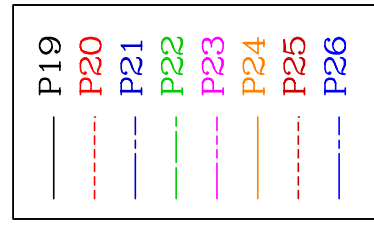
Incident Energy (MeV)

49-In-120m

MAT 4947

Elastic Legendre Coefficients

49-In-120m



$\times 10^{-7}$

Legendre (CM)

4

2

0

15

20

25

30

18

Incident Energy (MeV)

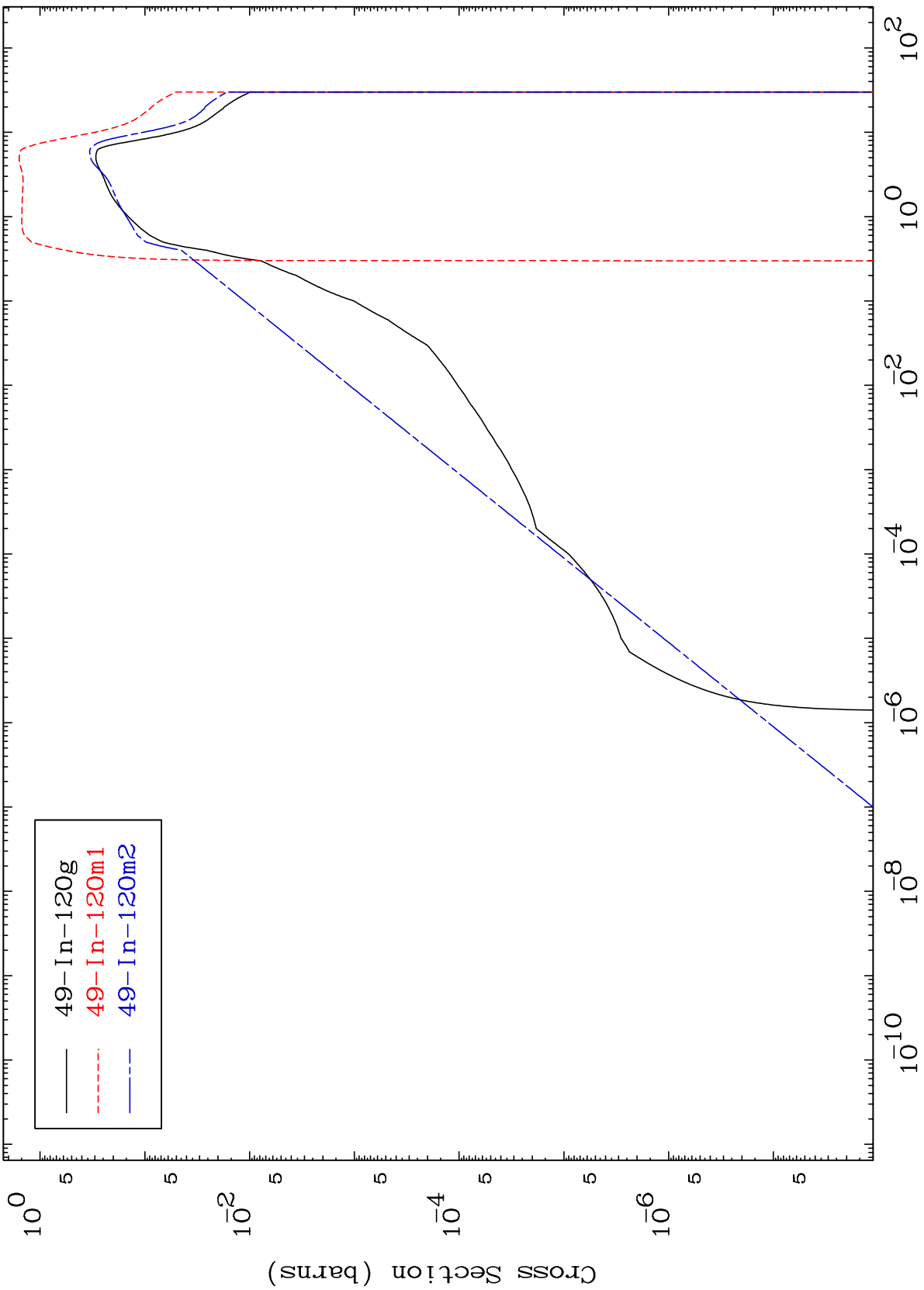
49-In-120m



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49-In-120m

Inelastic  
Radionuclide Production Cross Section



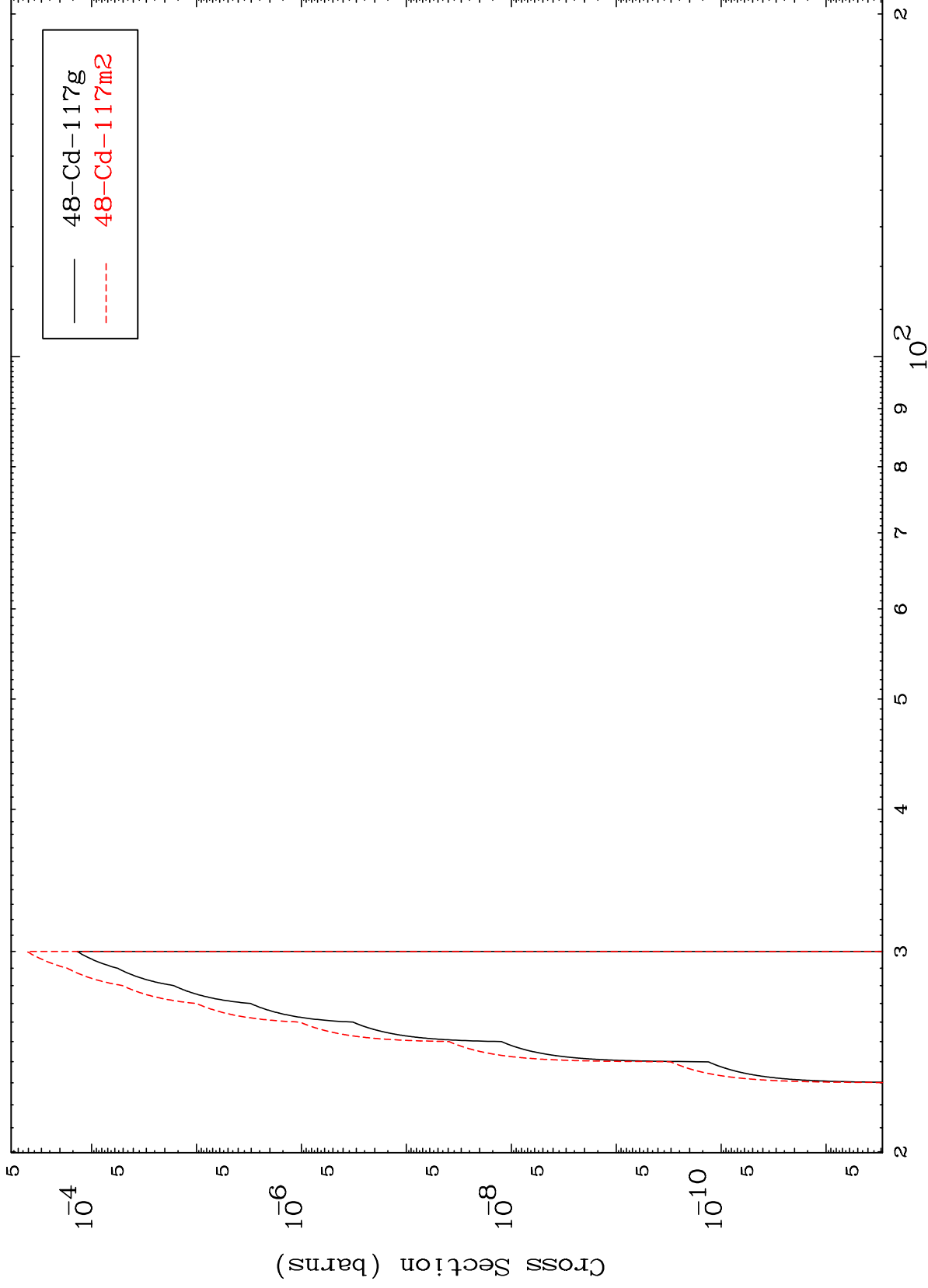
49-In-120g  
49-In-120m1  
49-In-120m2

MAT 4947

(n,2n) d

49-In-120m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

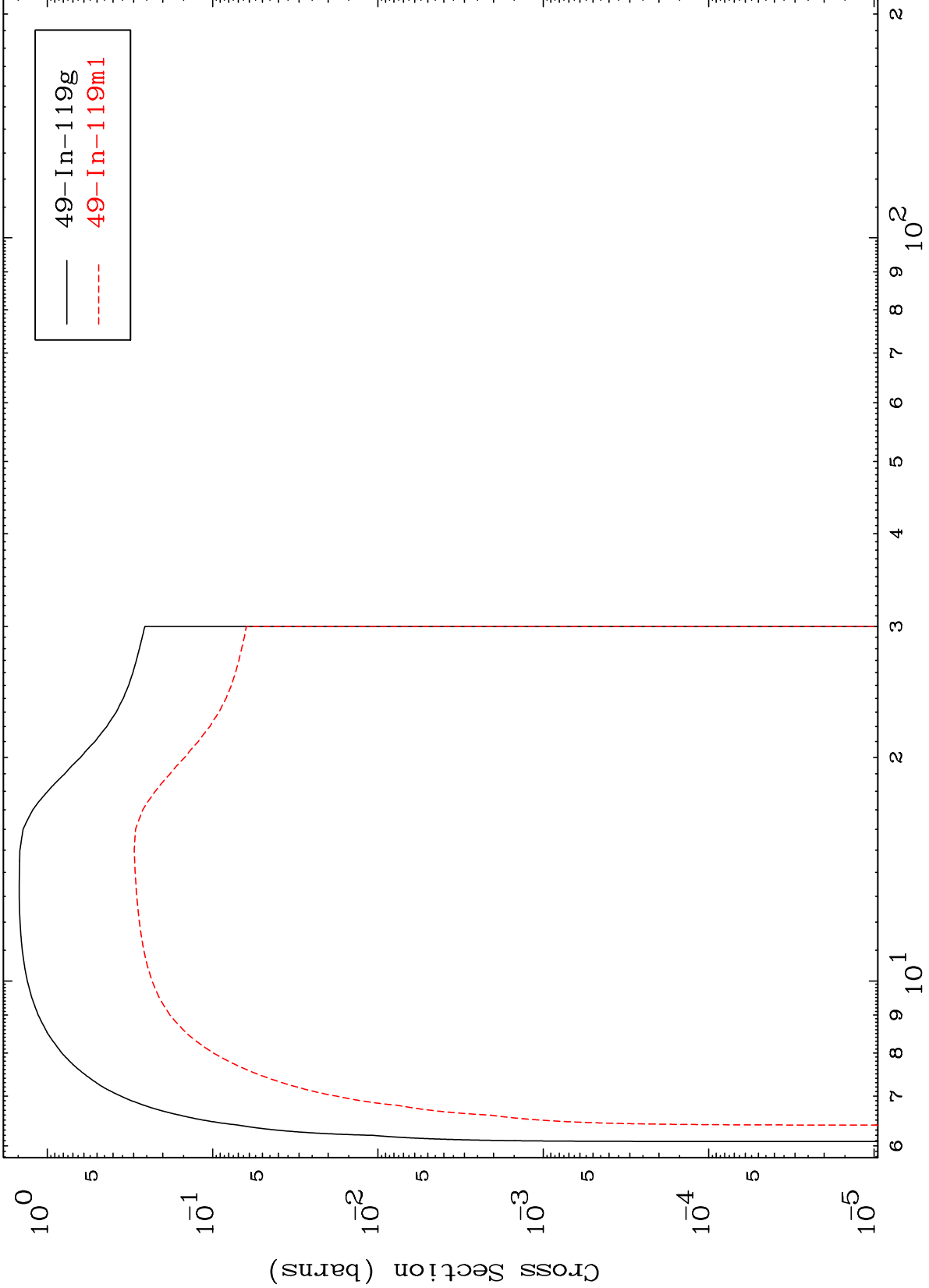
49-In-120m

MAT 4947

(n,2n)

49-In-120m

Radionuclide Production Cross Section



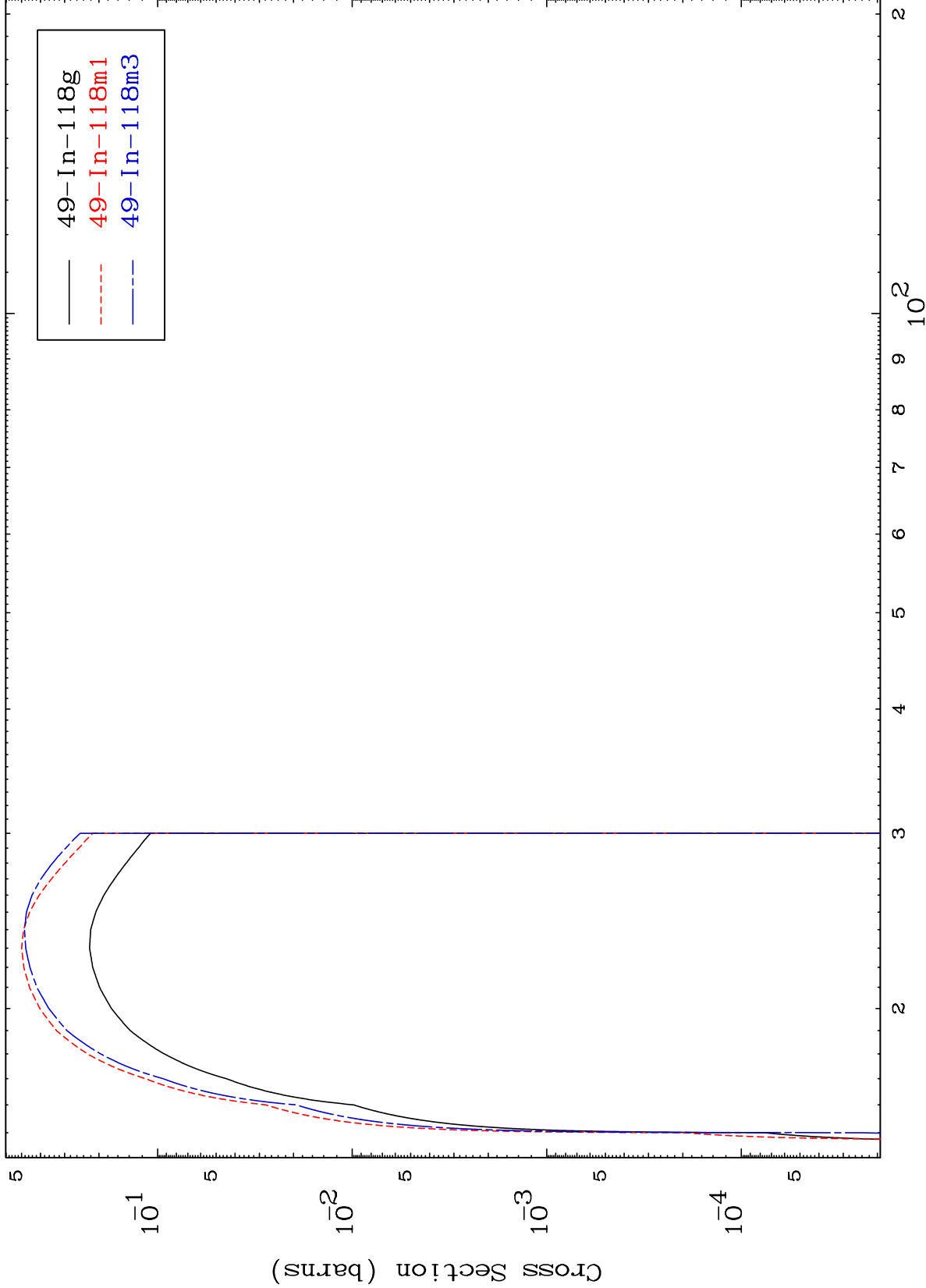
— 49-In-119g  
- - - 49-In-119m1

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(n,3n)

49-In-120m

Radionuclide Production Cross Section

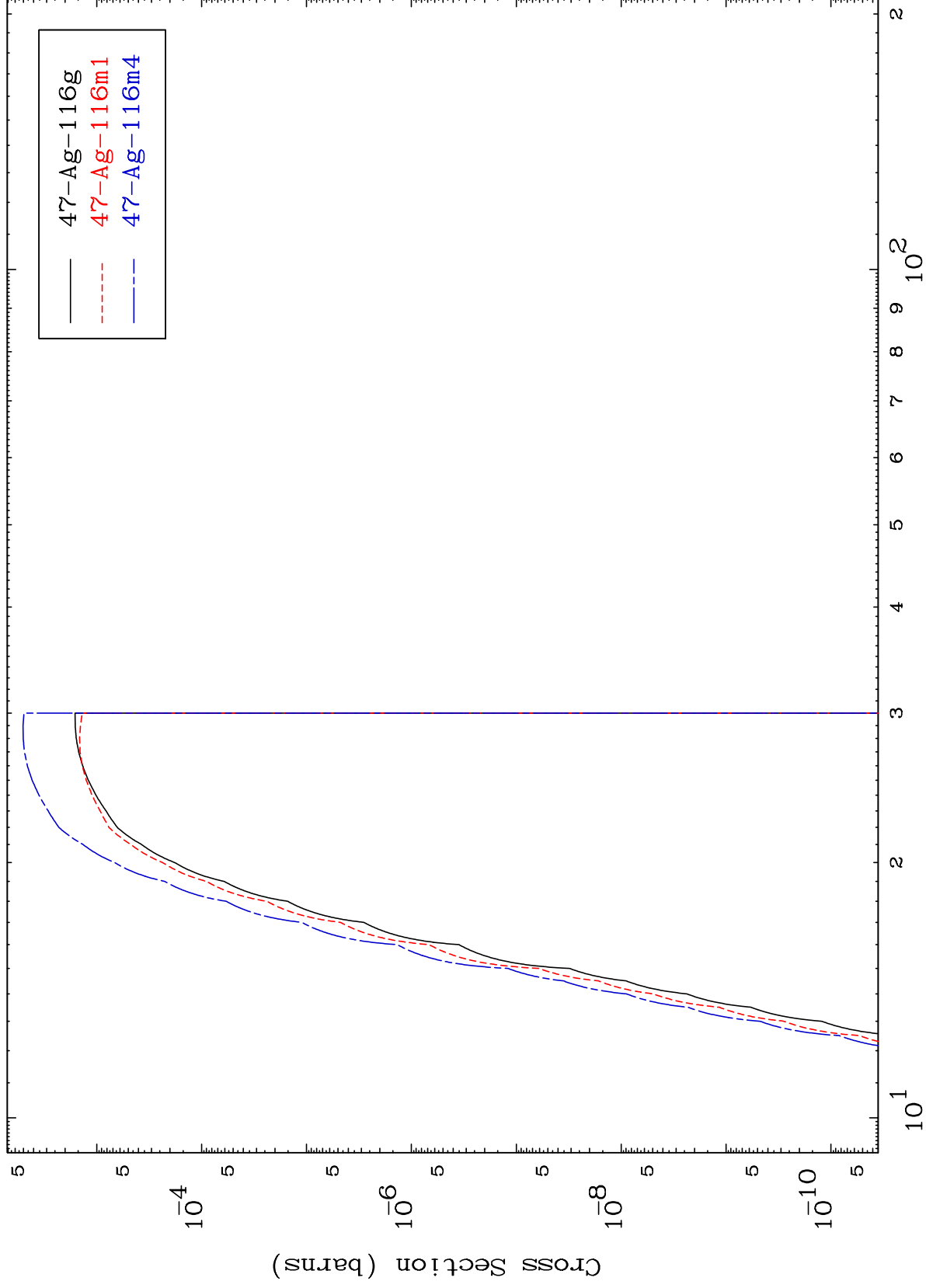


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$(n, n') \alpha$

49-In-120m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

49-In-120m

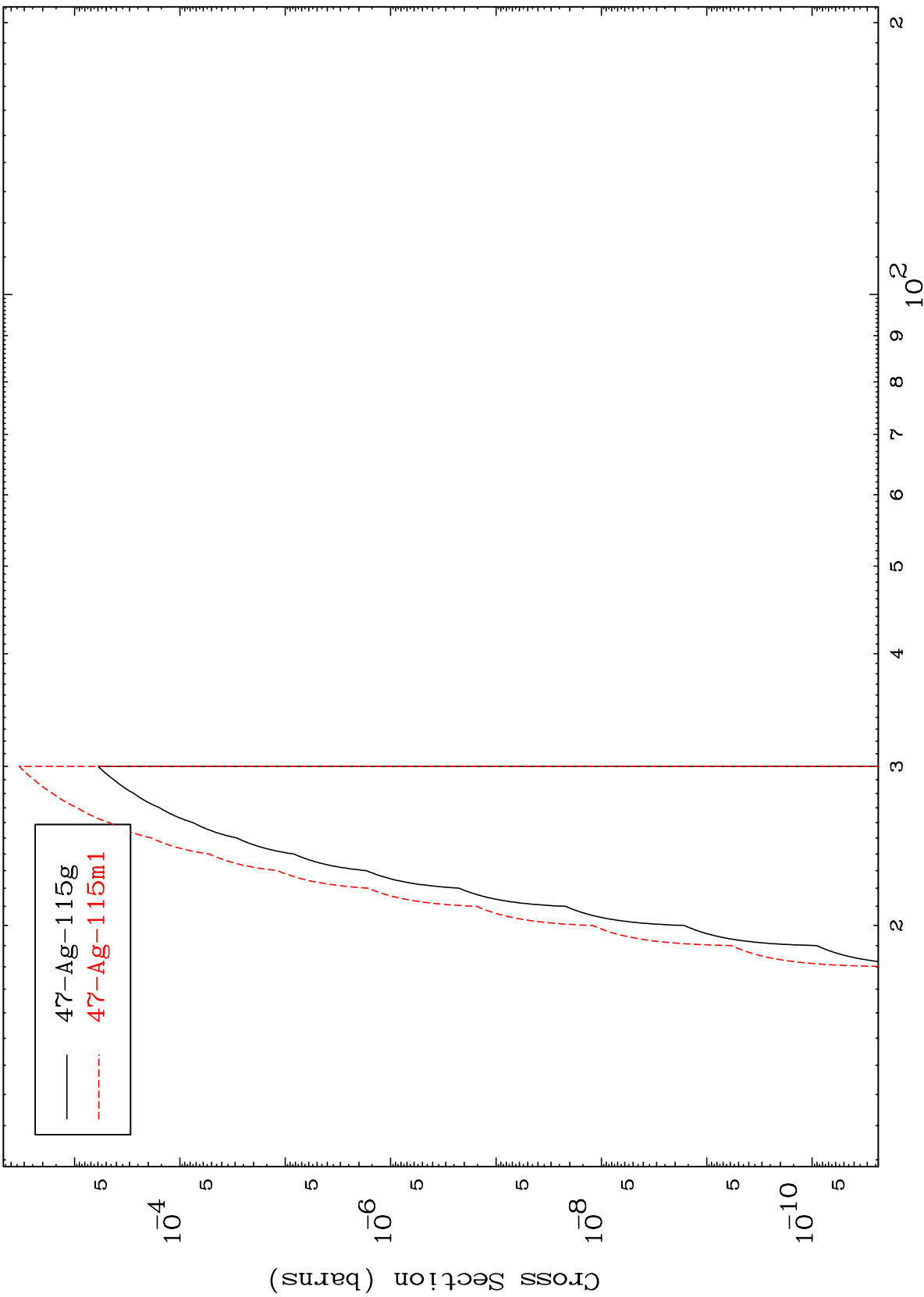


MAT 4947

(n,2n)  $\alpha$

49-In-120m

Radionuclide Production Cross Section

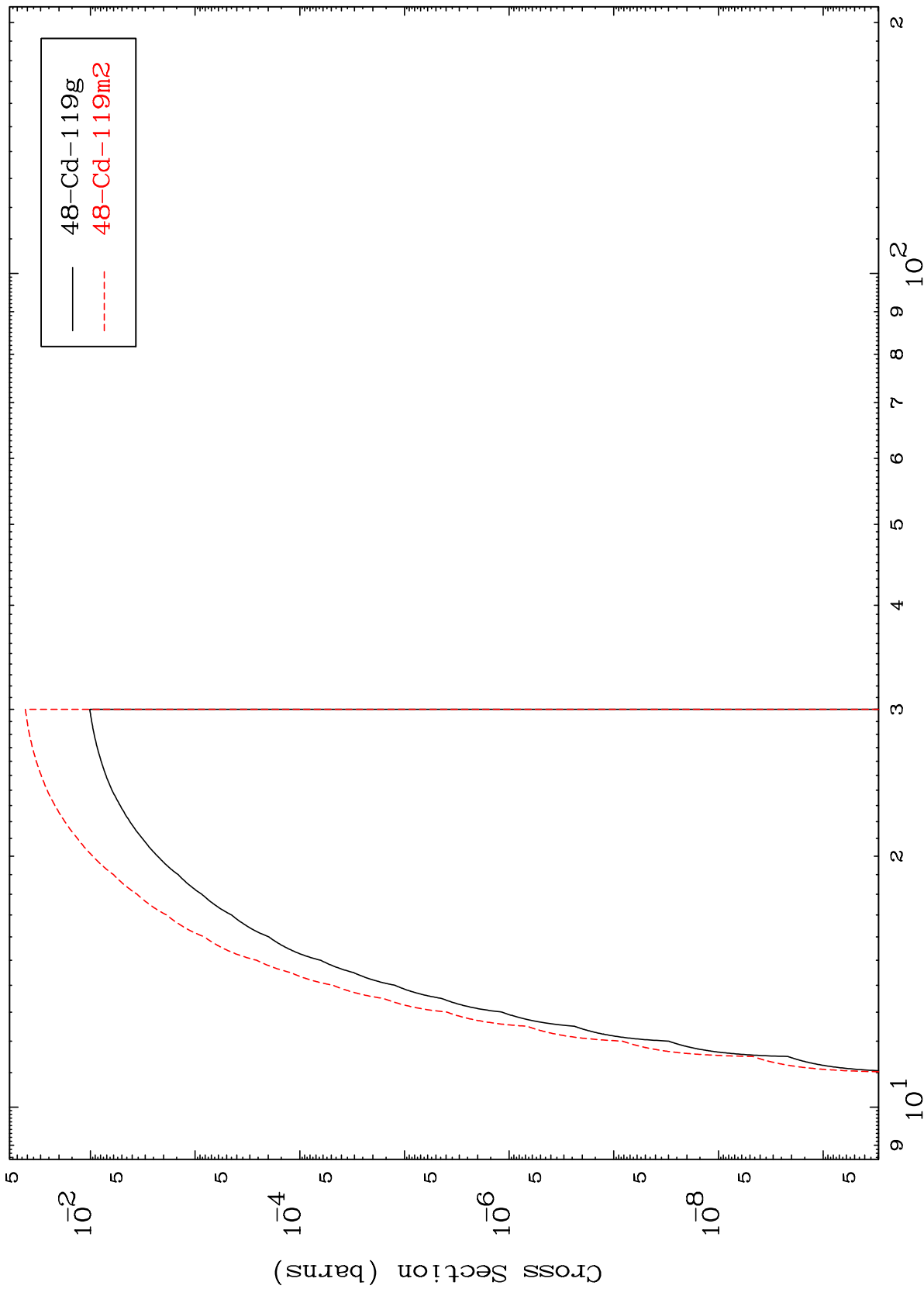


MAT 4947

(n,n') p

49-In-120m

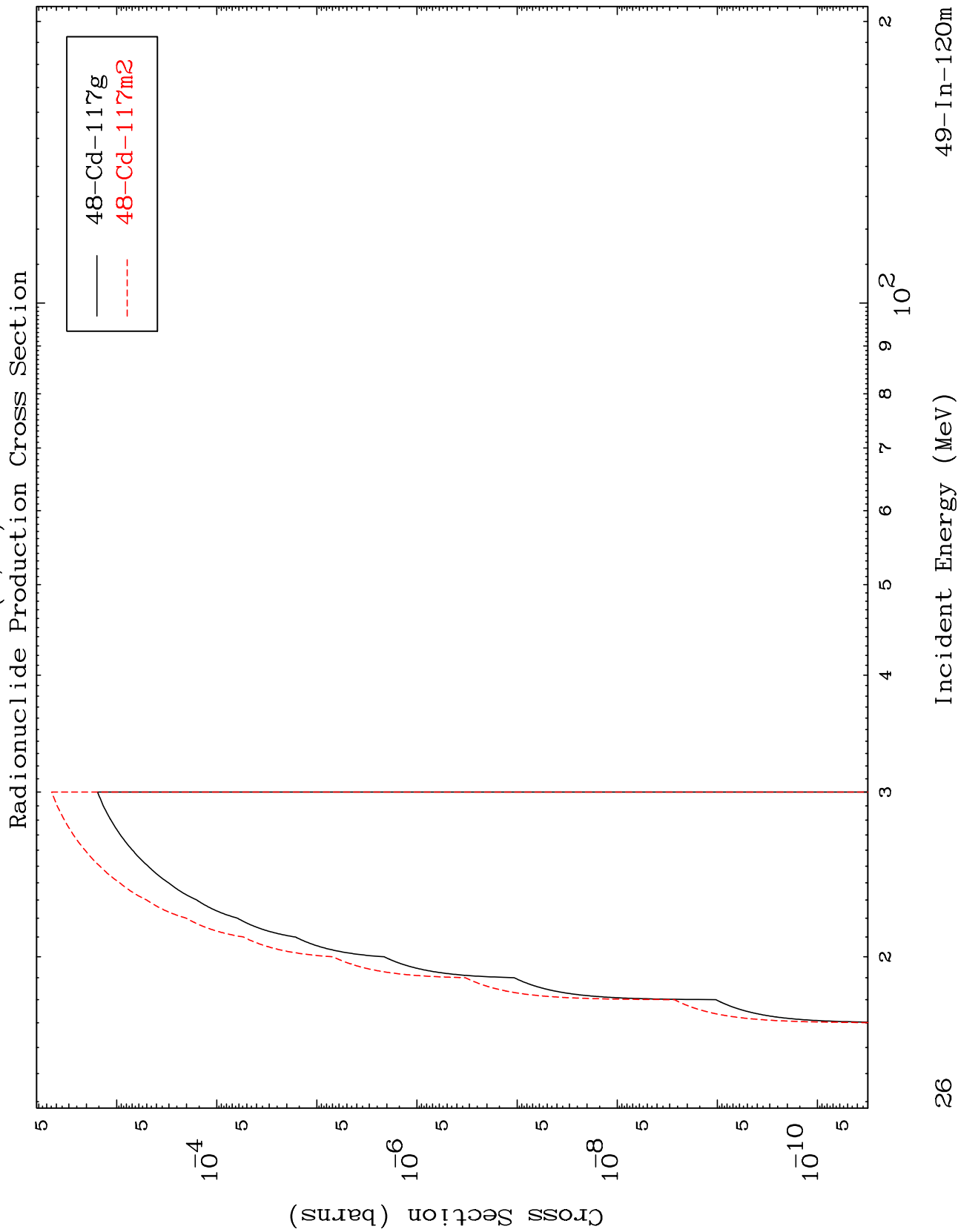
Radionuclide Production Cross Section



25

Incident Energy (MeV)

49-In-120m

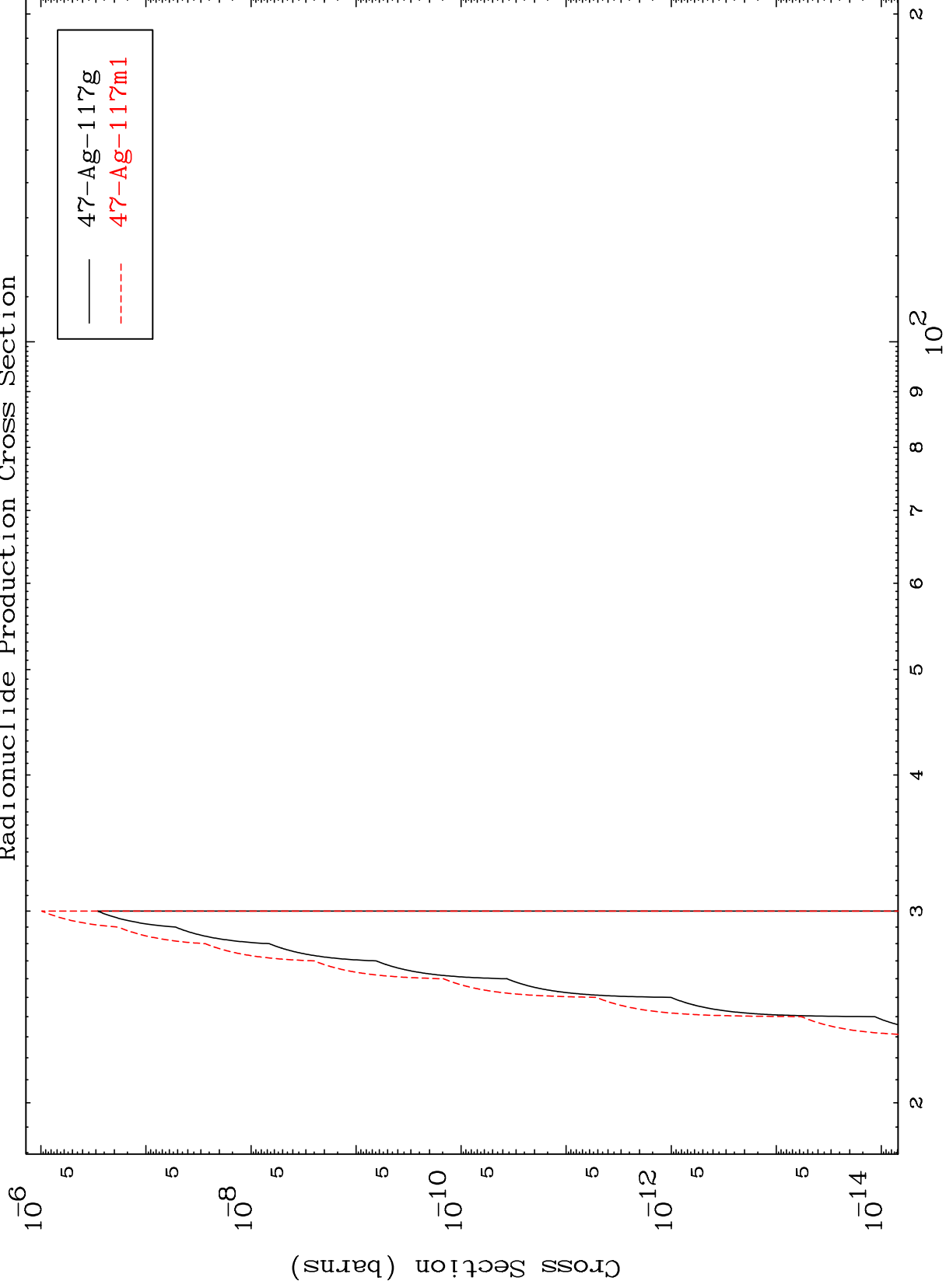


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(n,n') He-3

49-In-120m

Radionuclide Production Cross Section



27

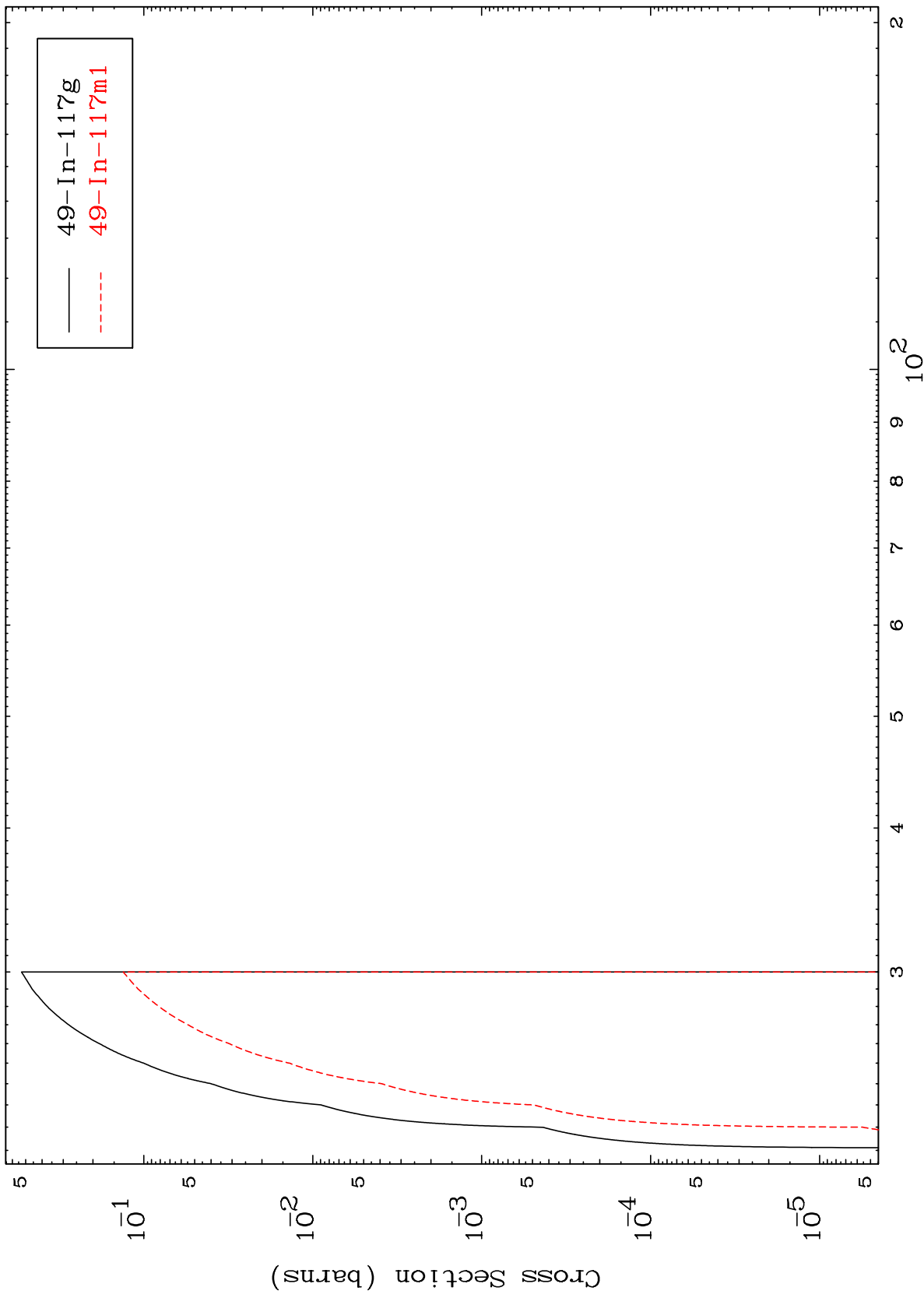
Incident Energy (MeV)

49-In-120m

MAT 4947

49-In-120m

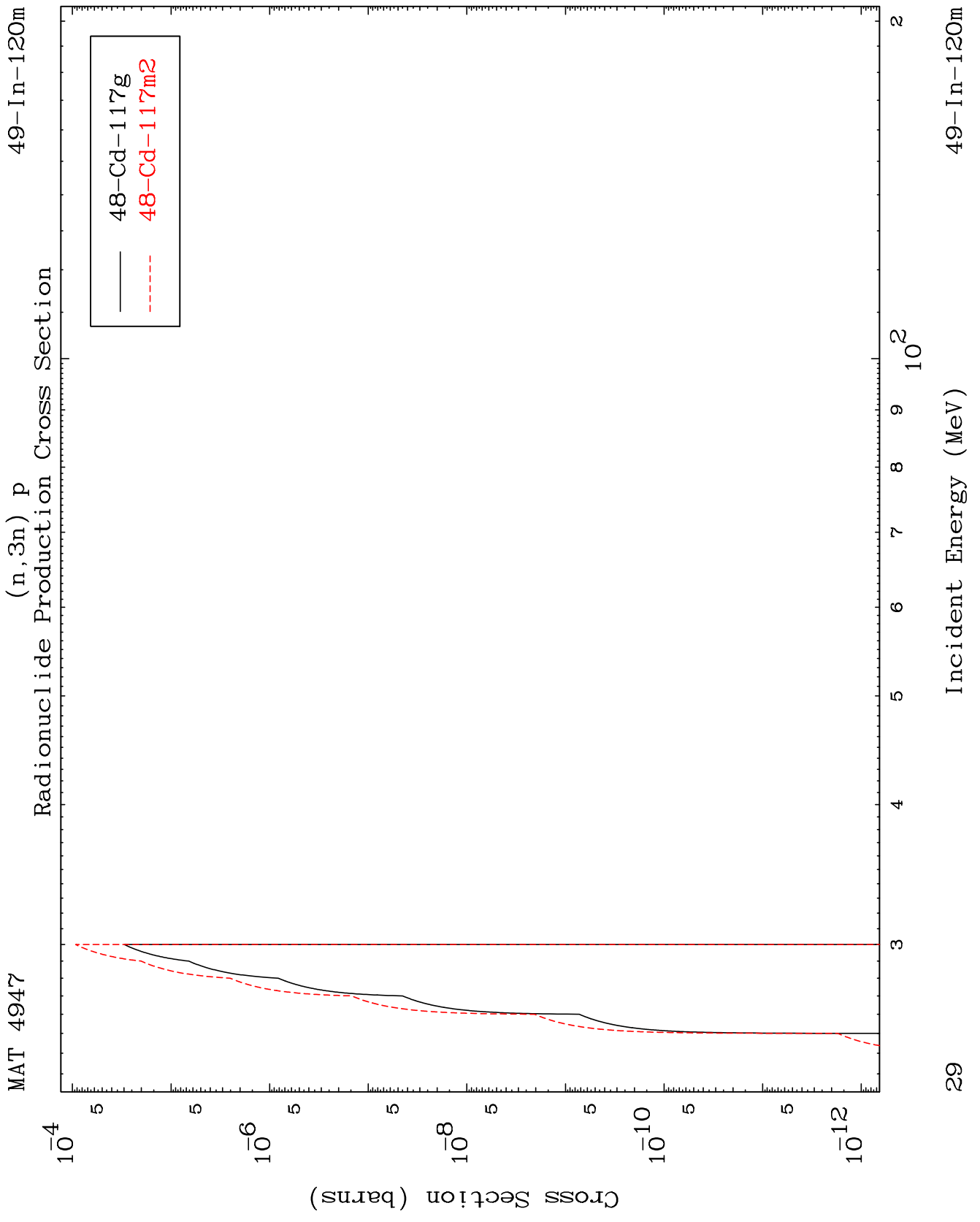
(n,4n)  
Radionuclide Production Cross Section



49-In-120m

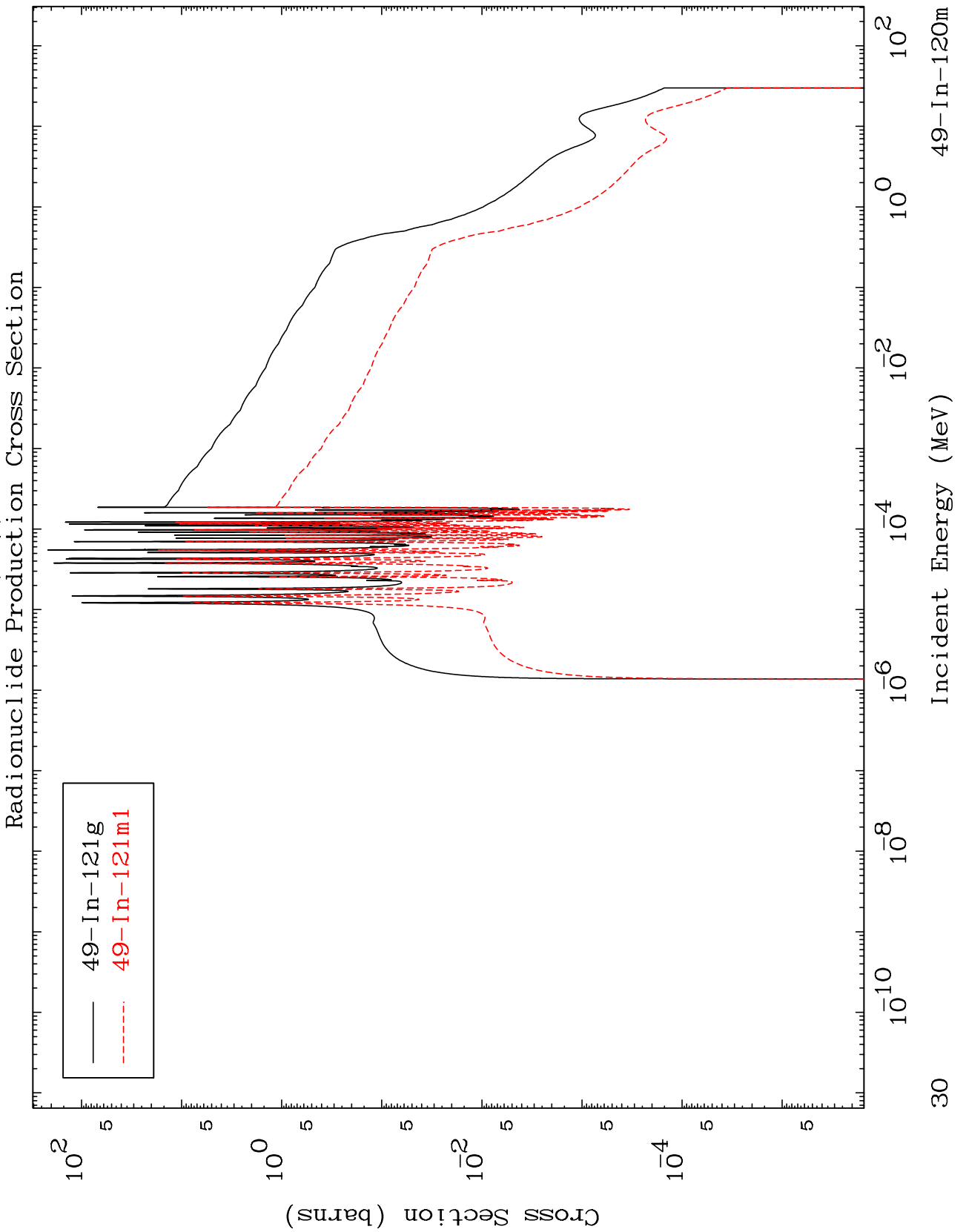
Incident Energy (MeV)

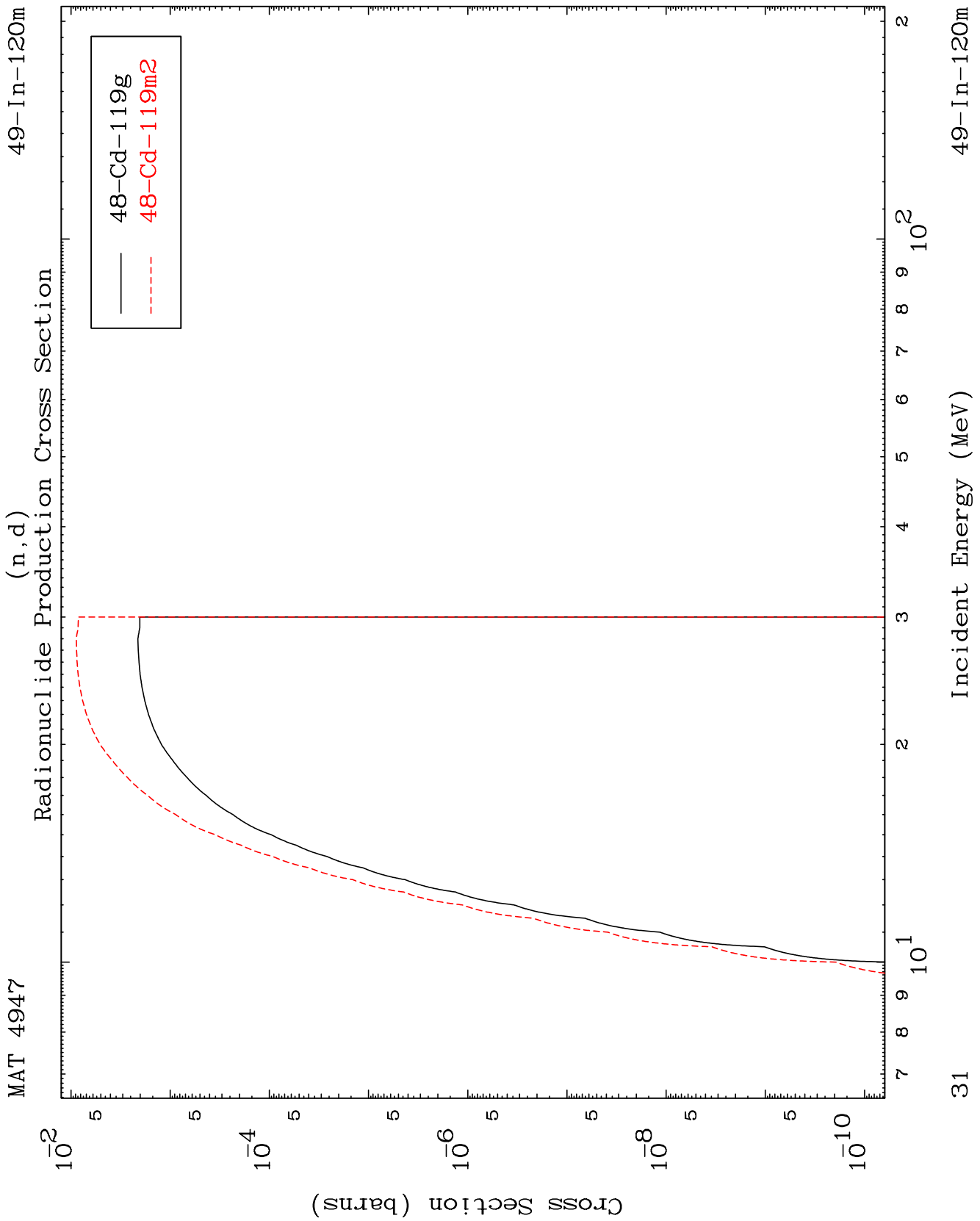
28



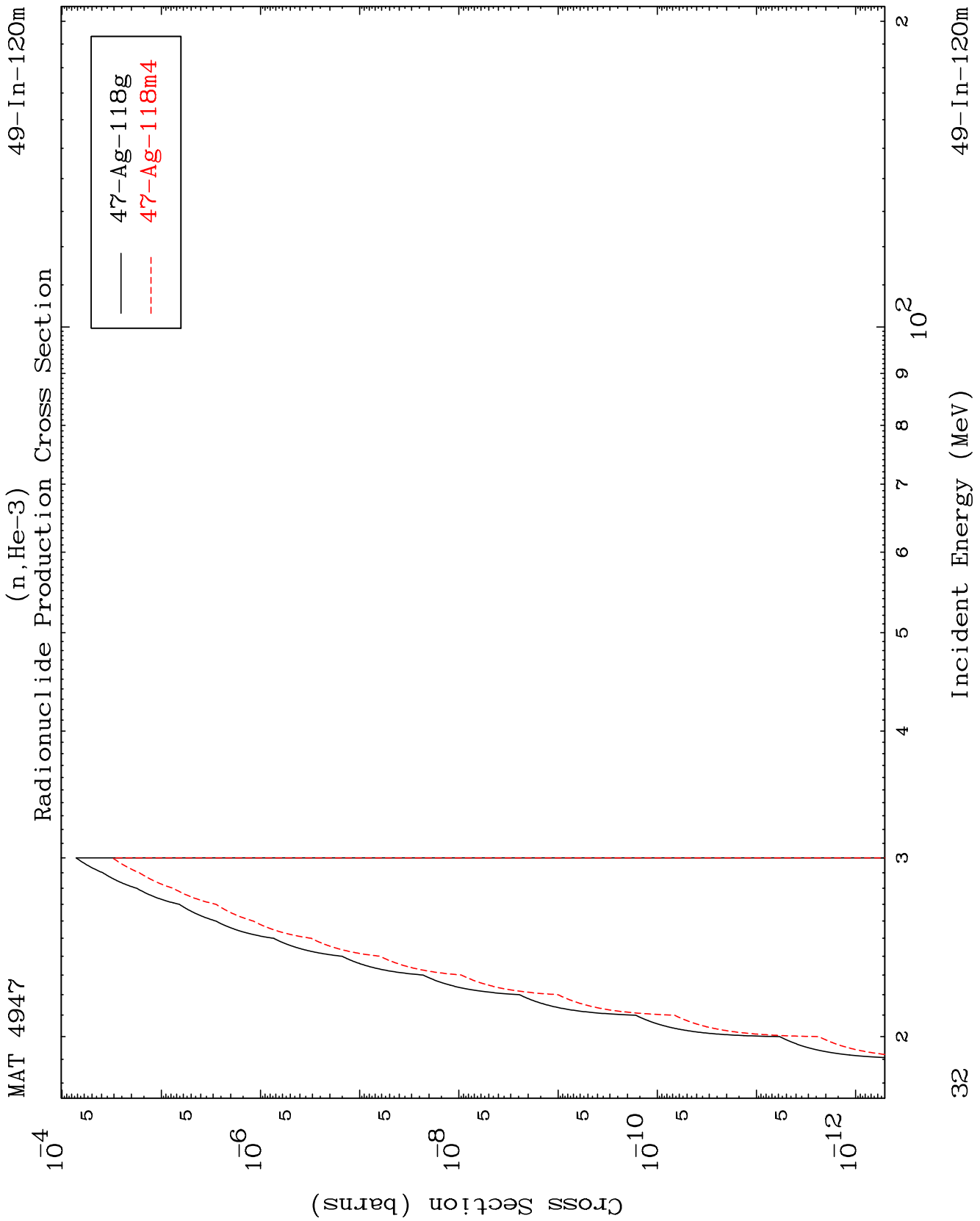
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49-In-120m







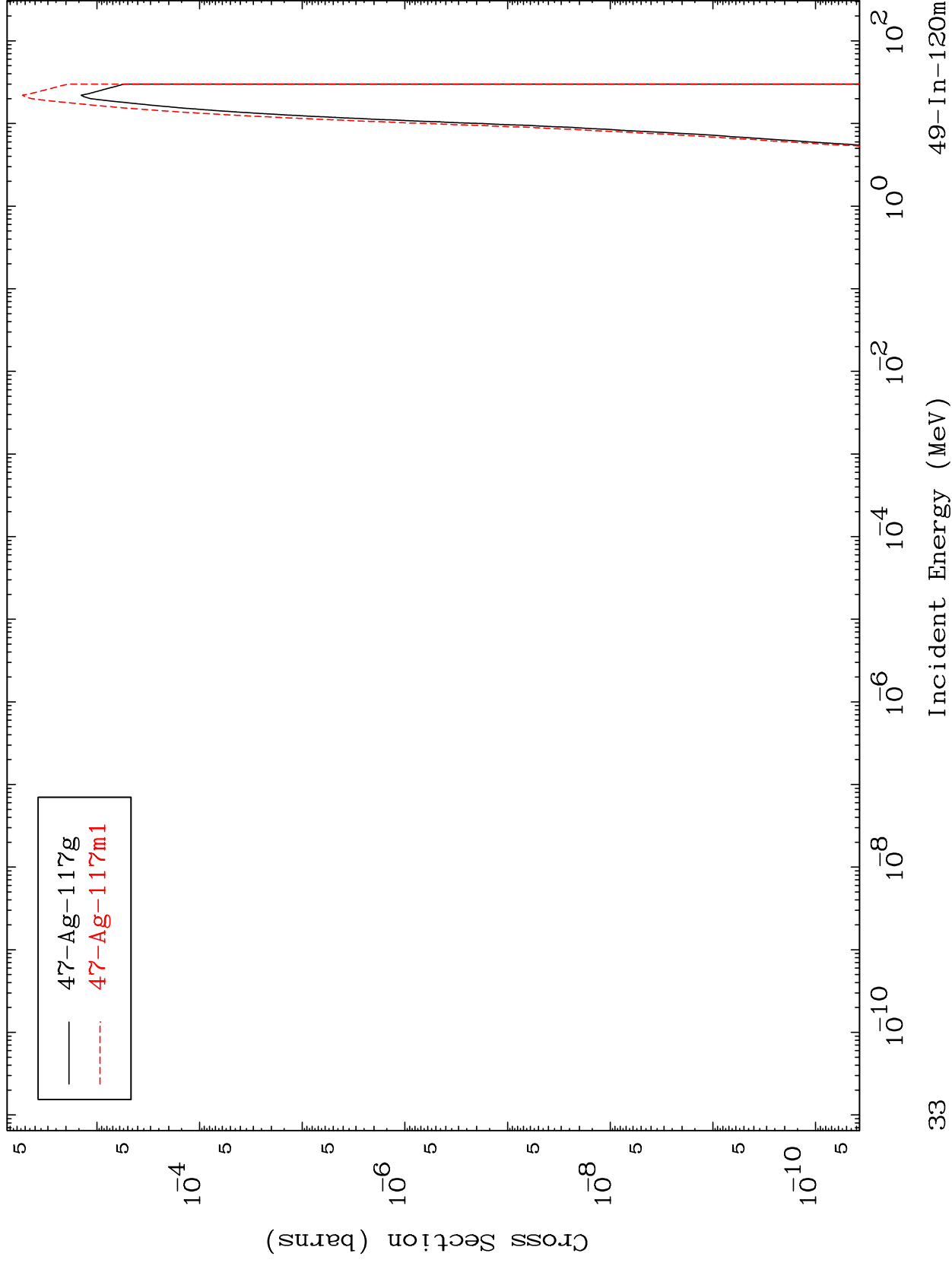


MAT 4947

(n,  $\alpha$ )

49-In-120m

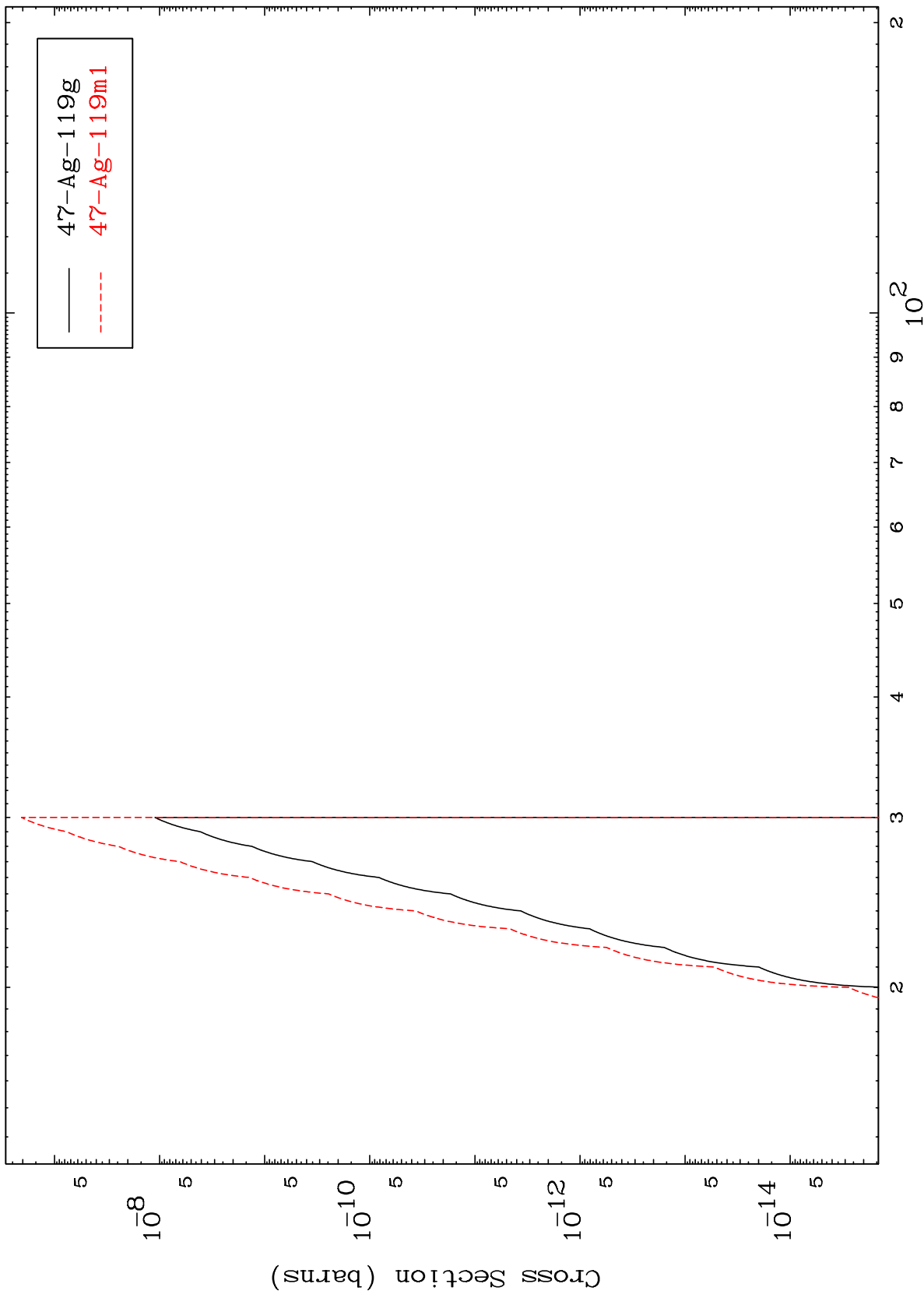
Radionuclide Production Cross Section



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49-In-120m

(n,2p)  
Radionuclide Production Cross Section



34

Incident Energy (MeV)

49-In-120m