

Program EVALPLOT  
(Version 2021-1)

by

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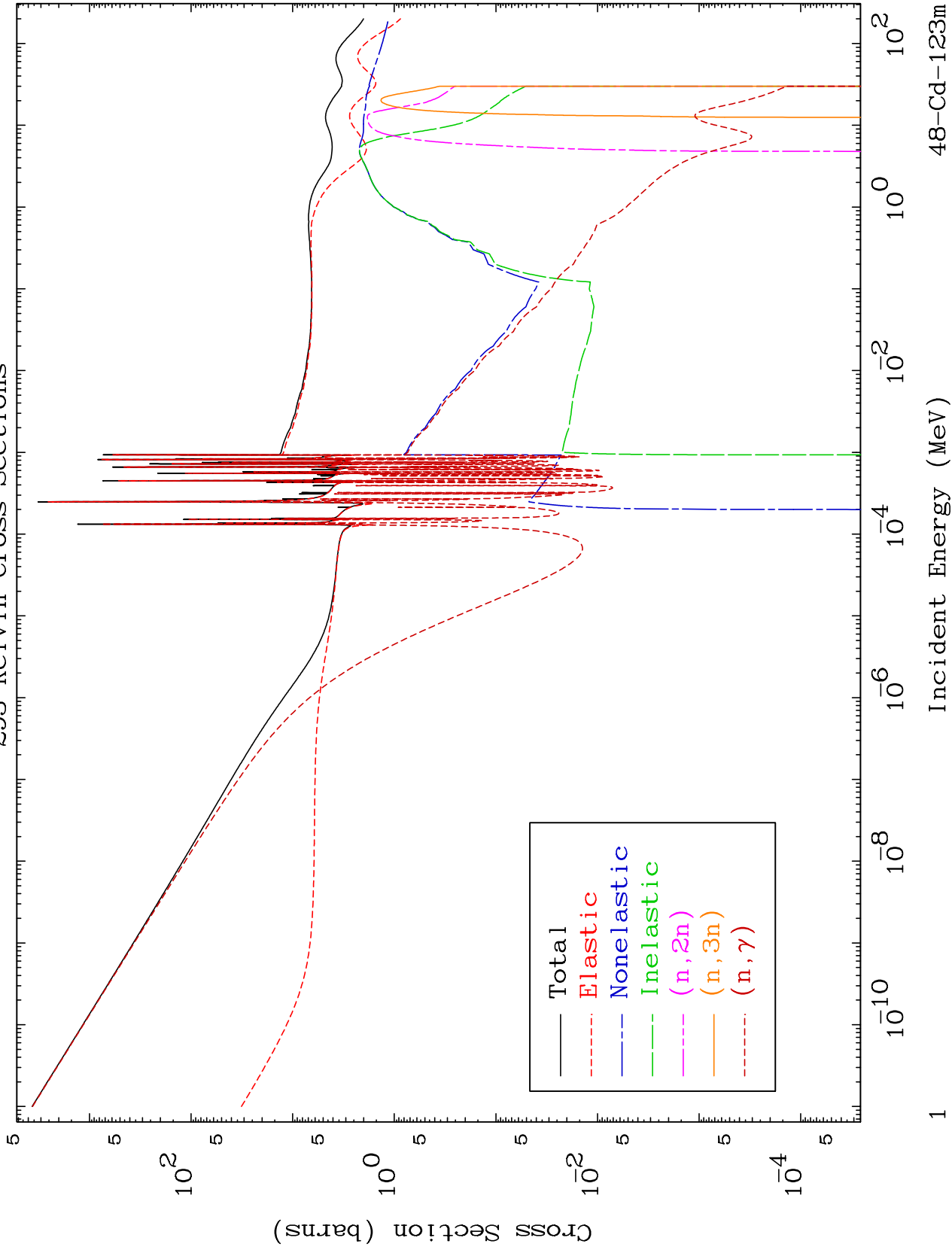
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4877

Neutron Major  
293 Kelvin Cross Sections

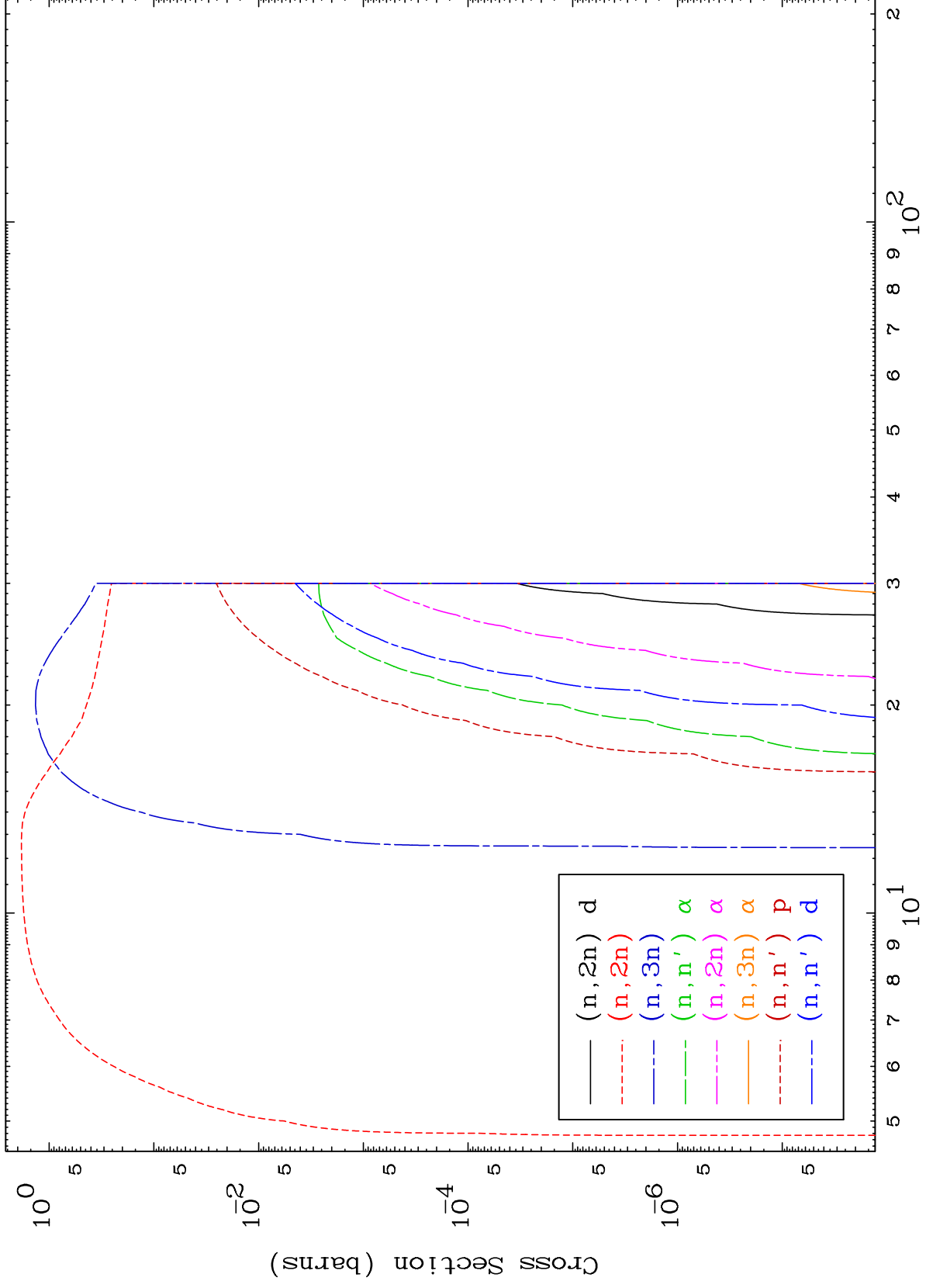
48-Cd-123m



MAT 48777

Neutron Absorption  
293 Kelvin Cross Sections

48-Cd-123m



2

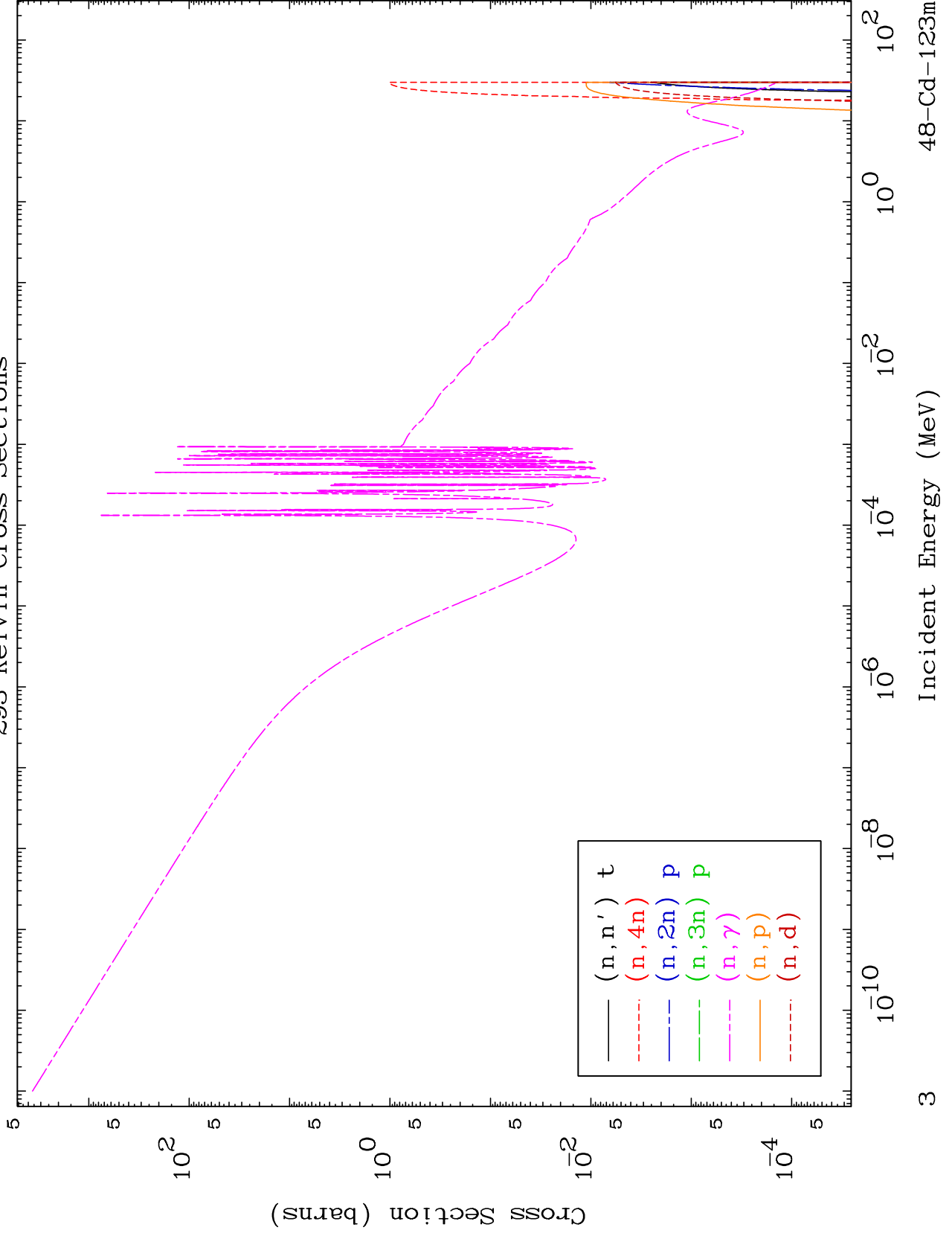
Incident Energy (MeV)

48-Cd-123m

MAT 4877

Neutron Absorption  
293 Kelvin Cross Sections

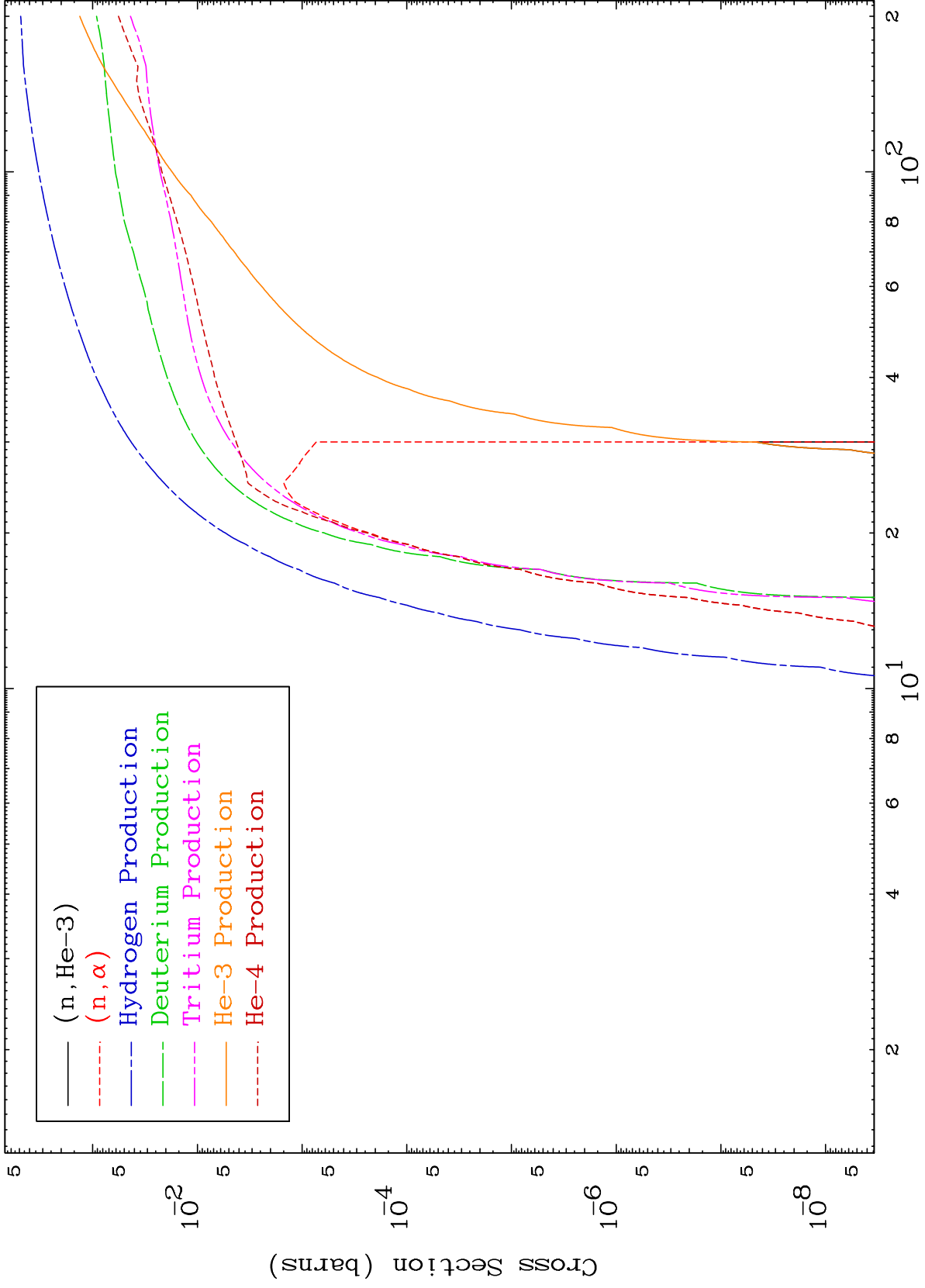
48-Cd-123m



MAT 4877

Neutron Absorption  
293 Kelvin Cross Sections

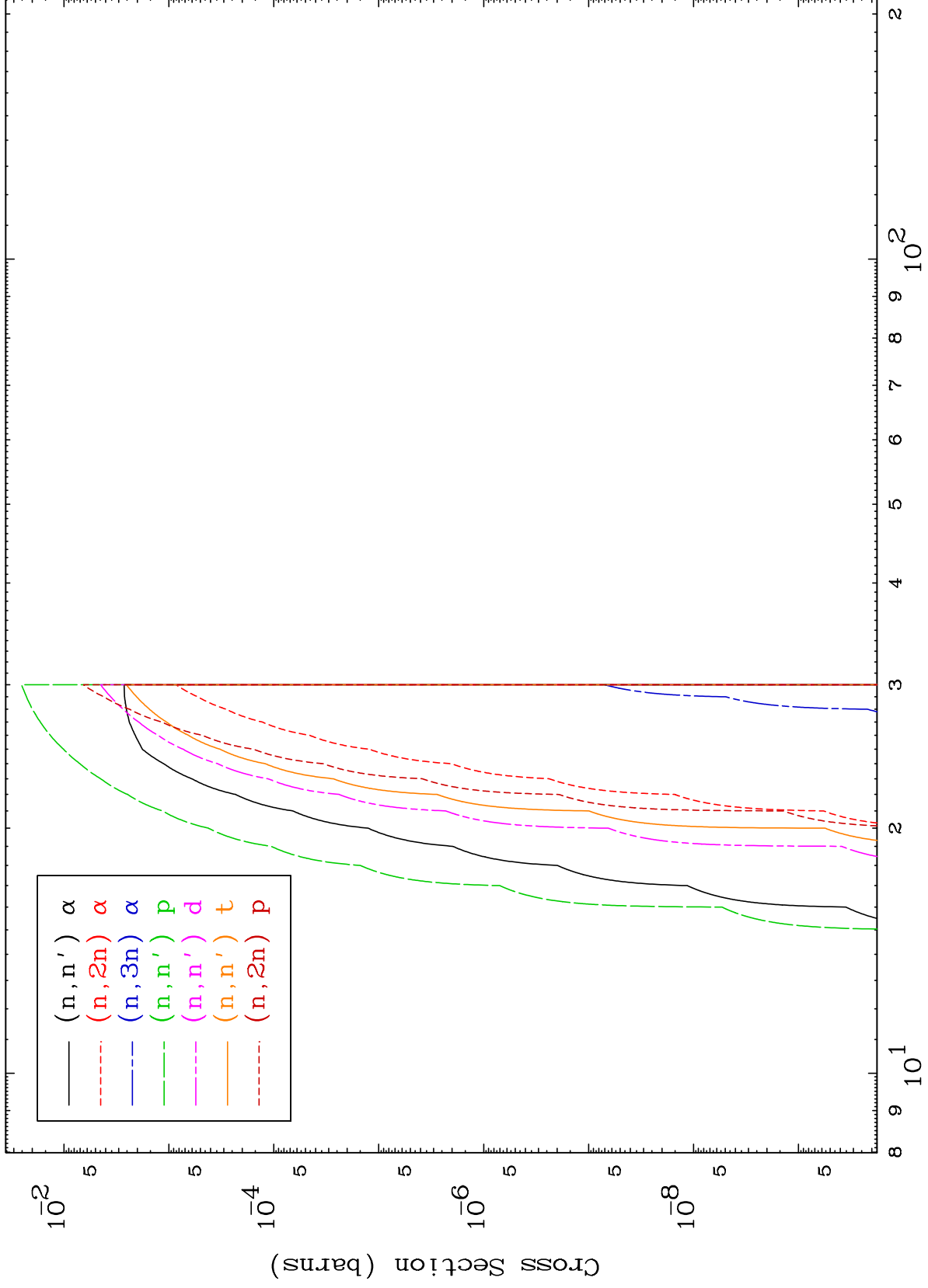
48-Cd-123m



MAT 4877

Charged Particle  
293 Kelvin Cross Sections

48-Cd-123m



48-Cd-123m

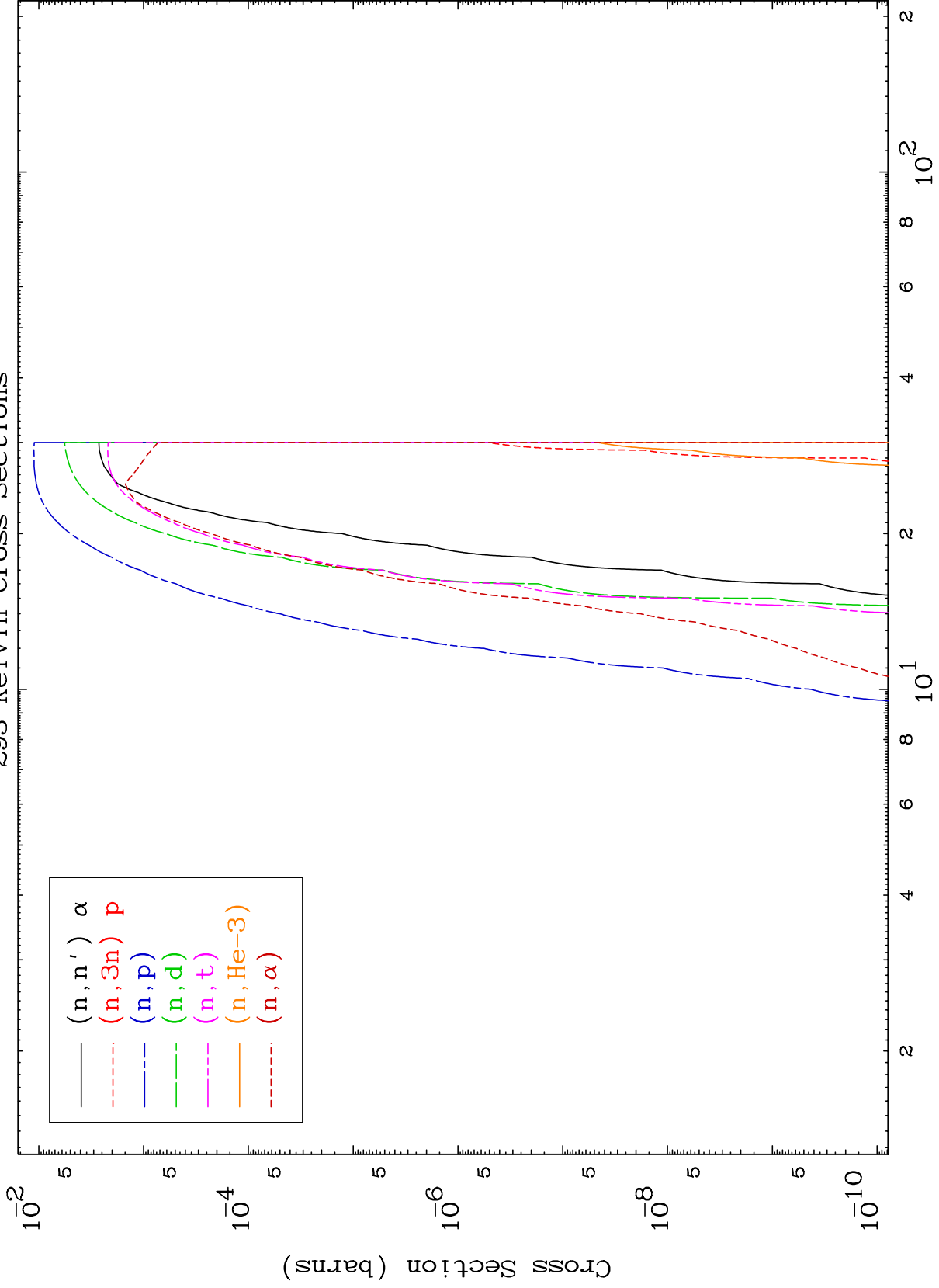
Incident Energy (MeV)

5

MAT 4877

Charged Particle  
293 Kelvin Cross Sections

48-Cd-123m



6

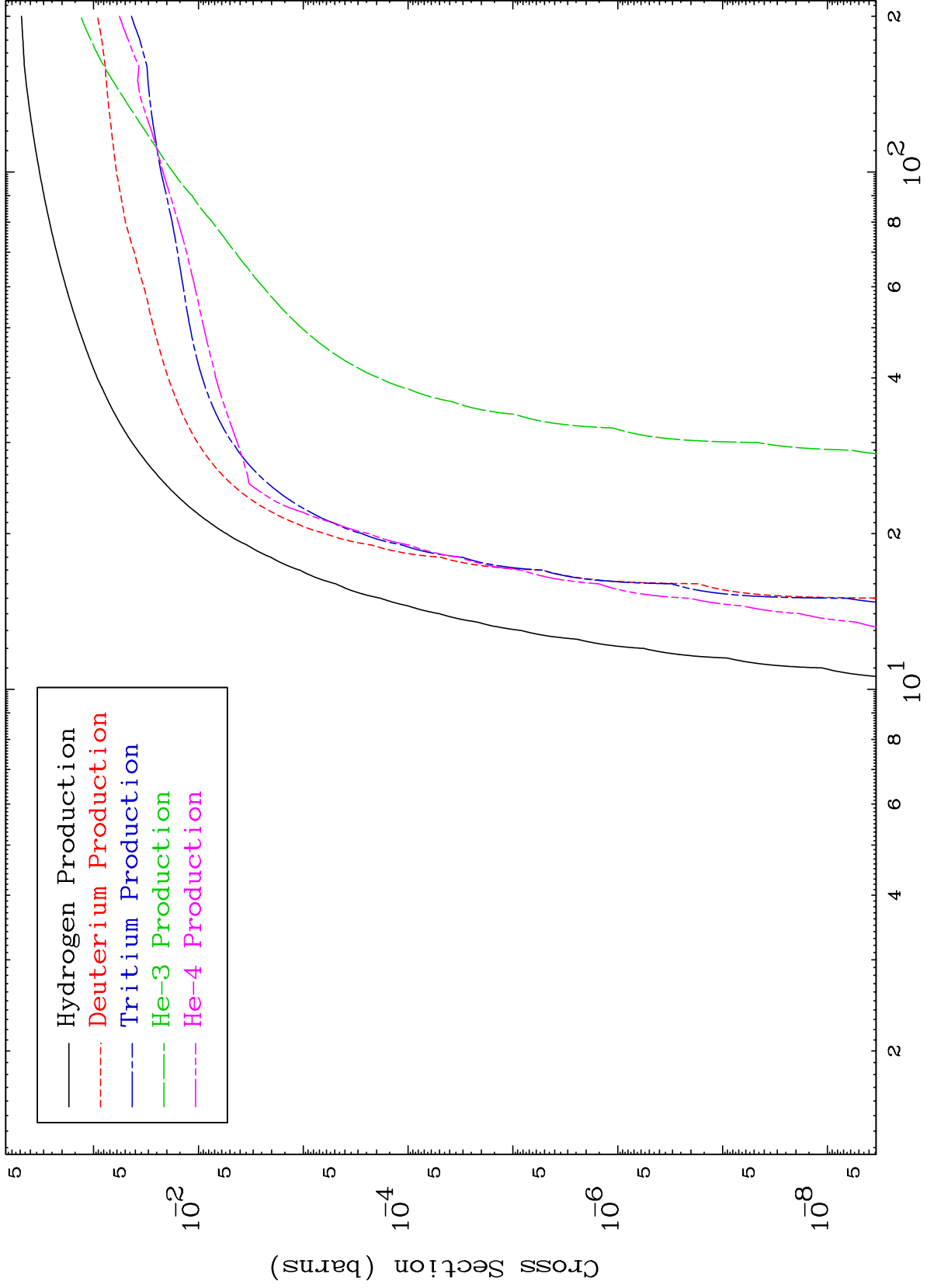
Incident Energy (MeV)

48-Cd-123m

MAT 4877

Particle Production  
293 Kelvin Cross Sections

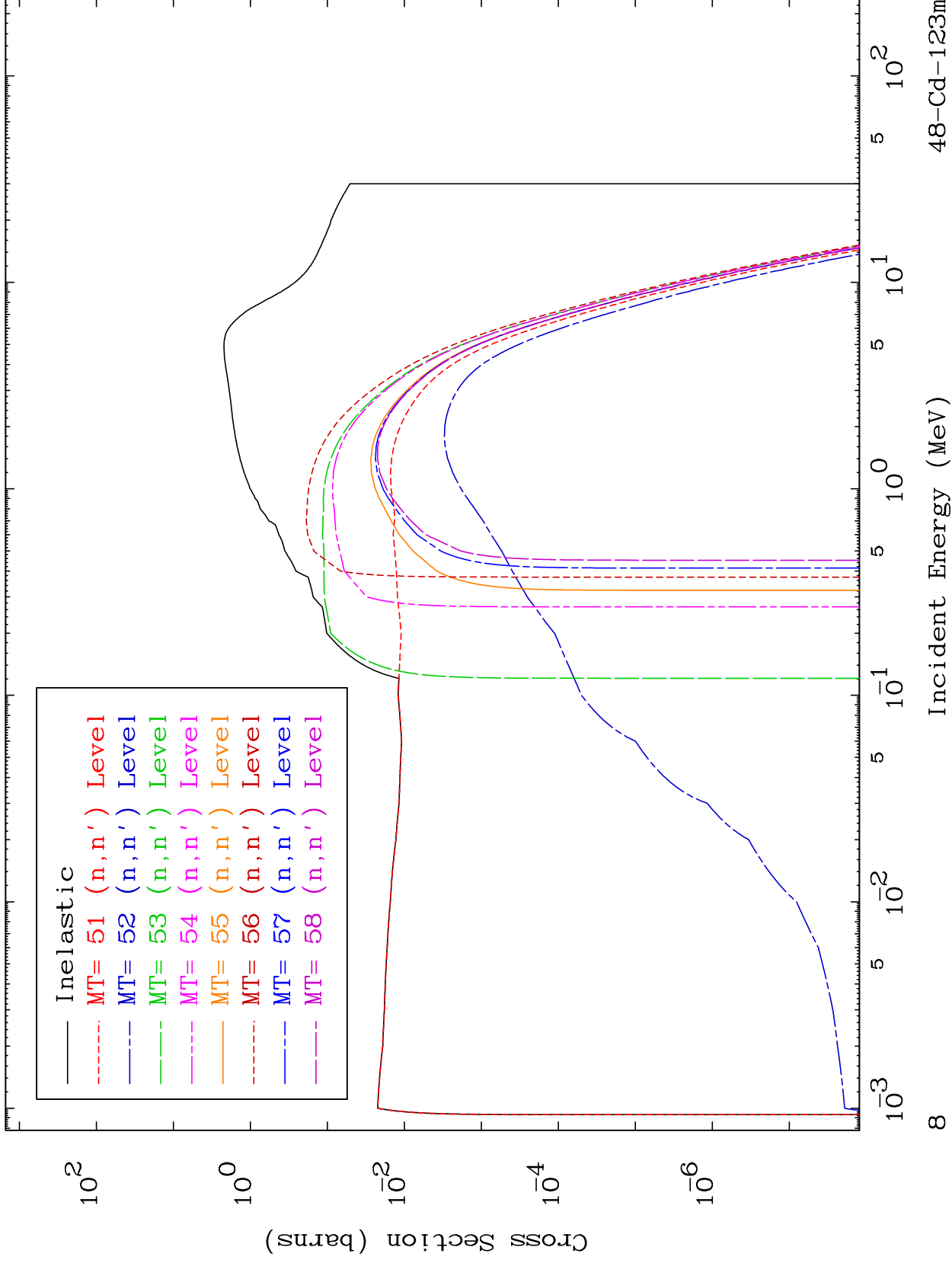
48-Cd-123m



MAT 4877

(n,n') Levels  
293 Kelvin Cross Sections

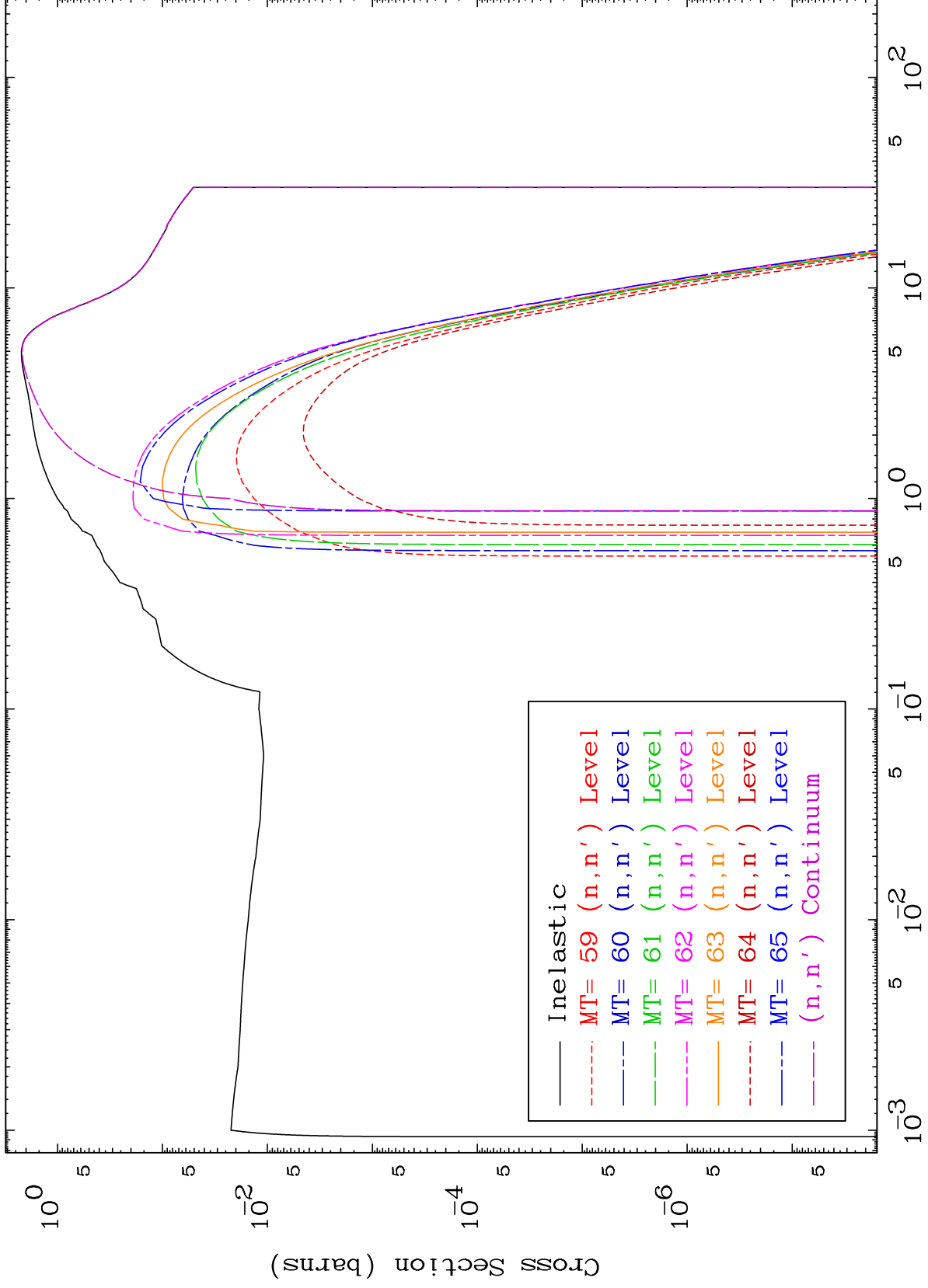
48-Cd-123m



MAT 4877

(n,n') Levels  
293 Kelvin Cross Sections

48-Cd-123m



9

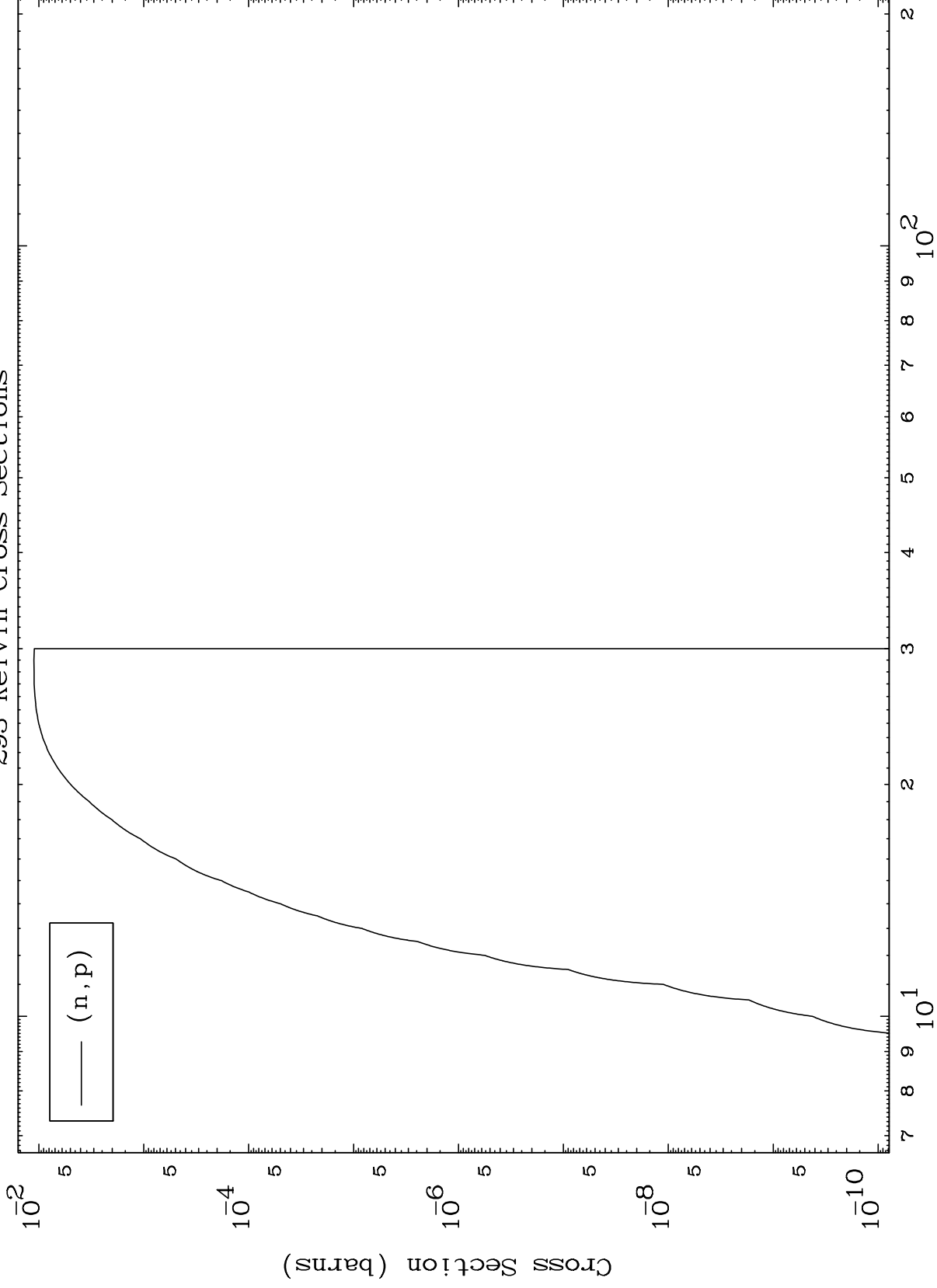
Incident Energy (MeV)

48-Cd-123m

MAT 4877

(n,p) Levels  
293 Kelvin Cross Sections

48-Cd-123m



10

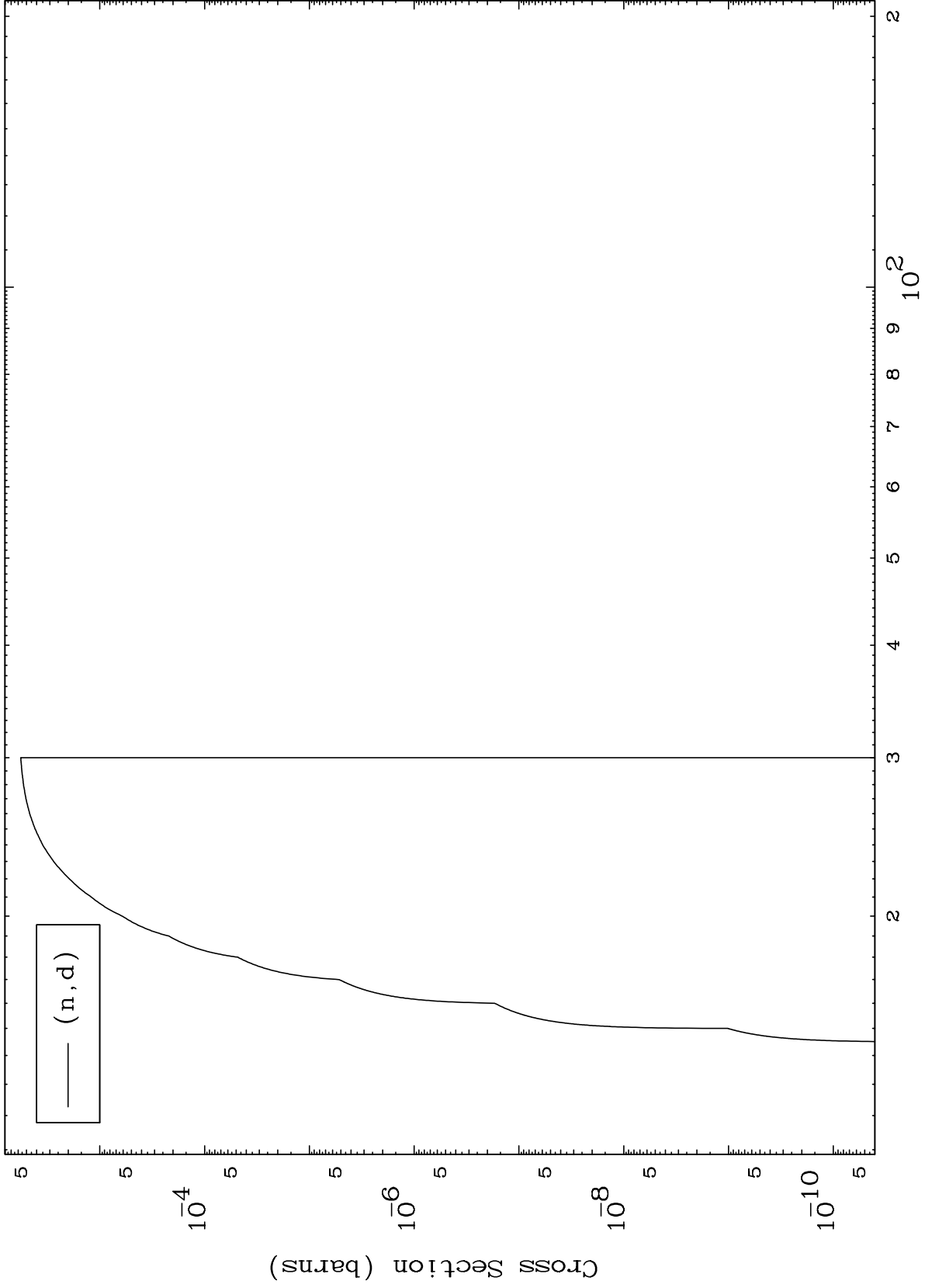
Incident Energy (MeV)

48-Cd-123m

MAT 4877

(n,d) Levels  
293 Kelvin Cross Sections

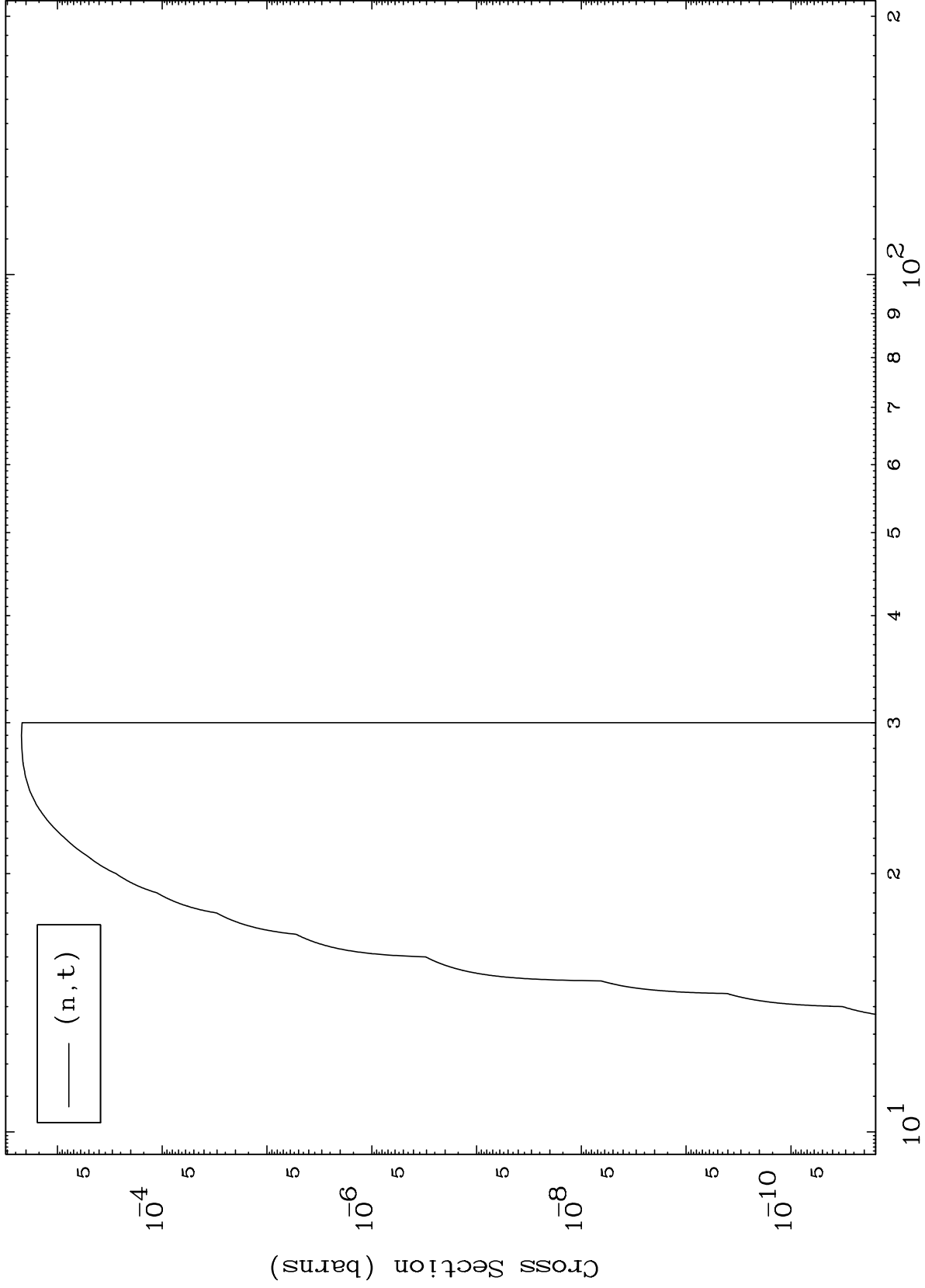
48-Cd-123m



MAT 4877

(n,t) Levels  
293 Kelvin Cross Sections

48-Cd-123m



48-Cd-123m

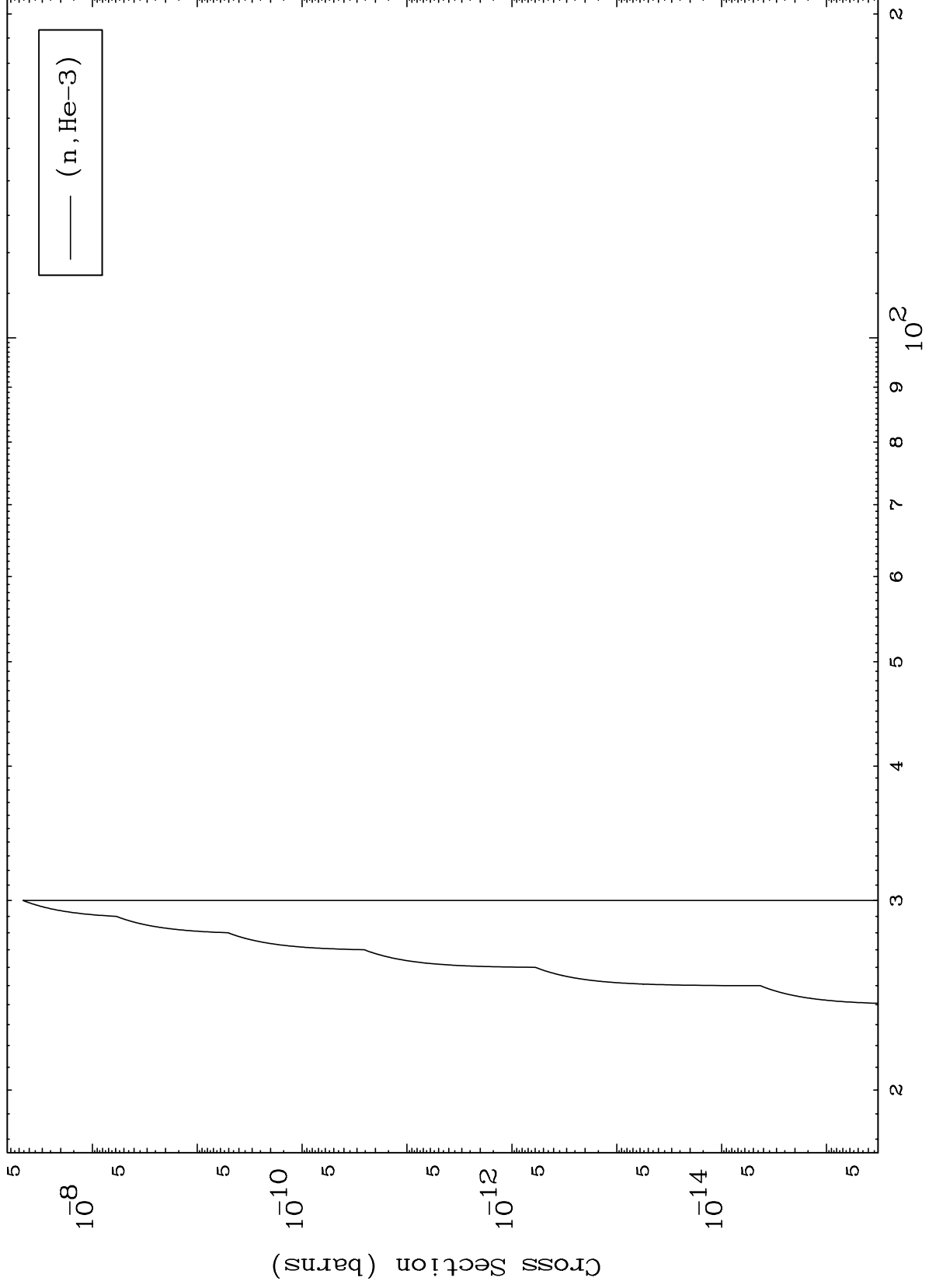
Incident Energy (MeV)

12

MAT 4877

(n,He3) Levels  
293 Kelvin Cross Sections

48-Cd-123m



13

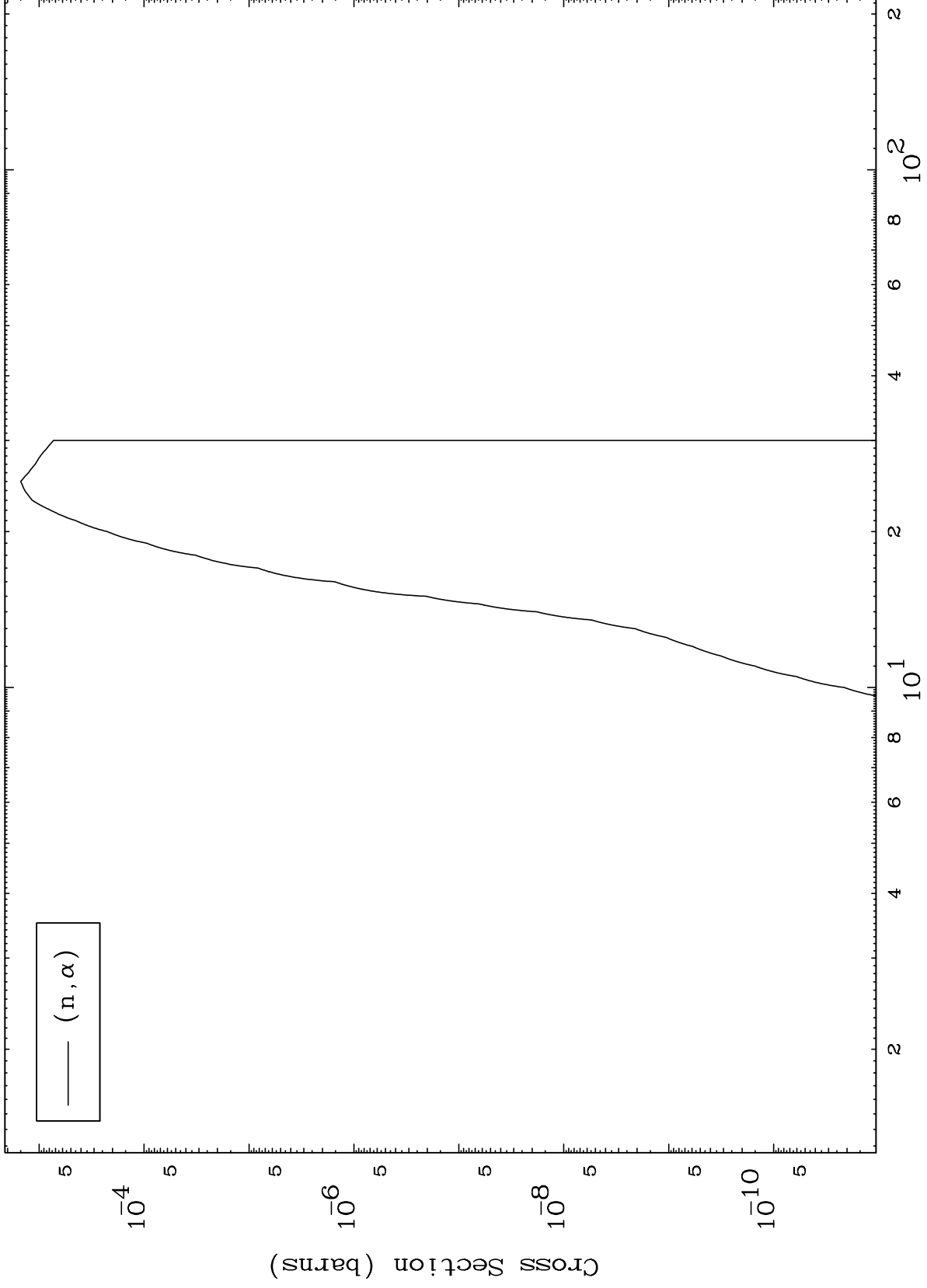
Incident Energy (MeV)

48-Cd-123m

MAT 4877

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

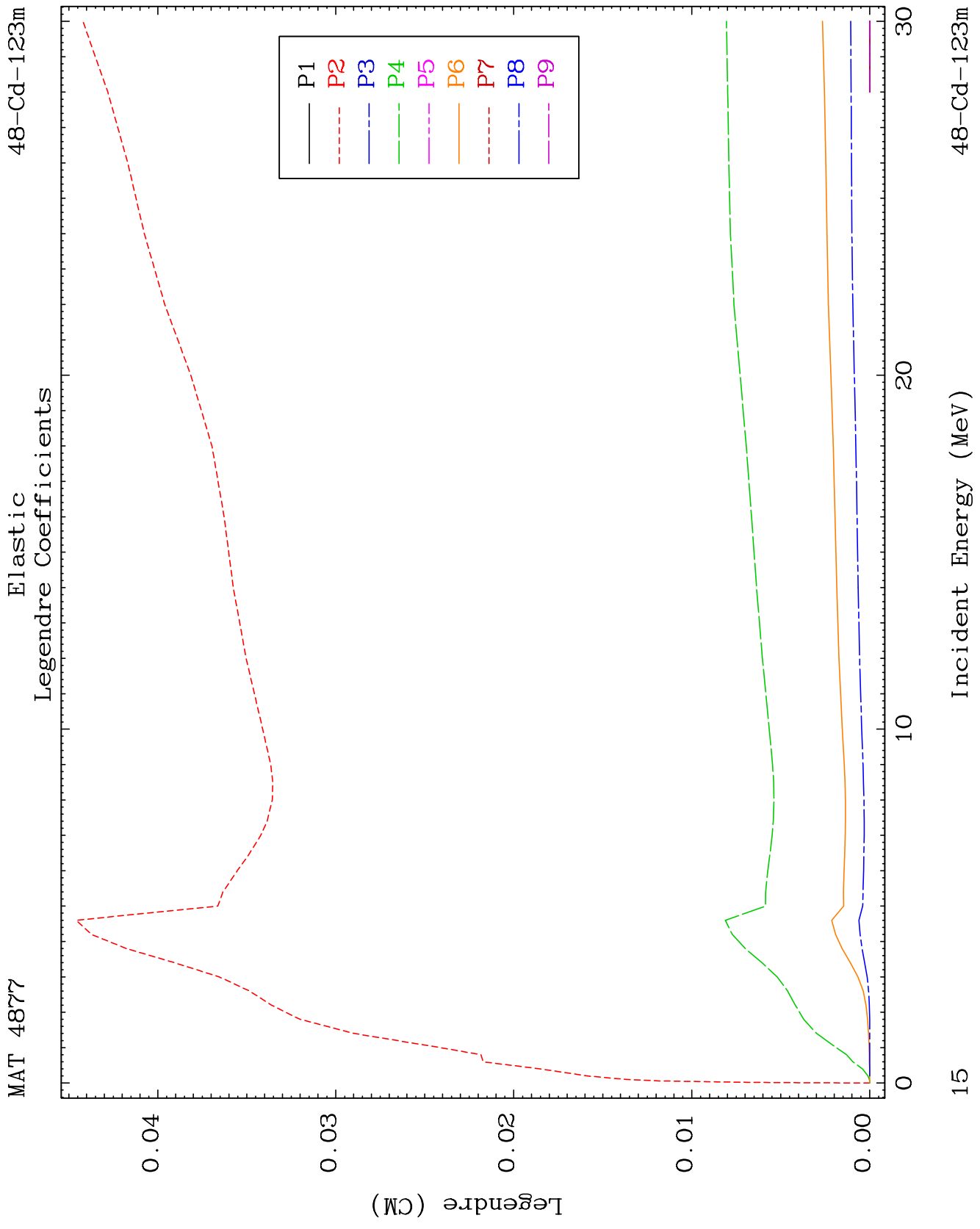
48-Cd-123m

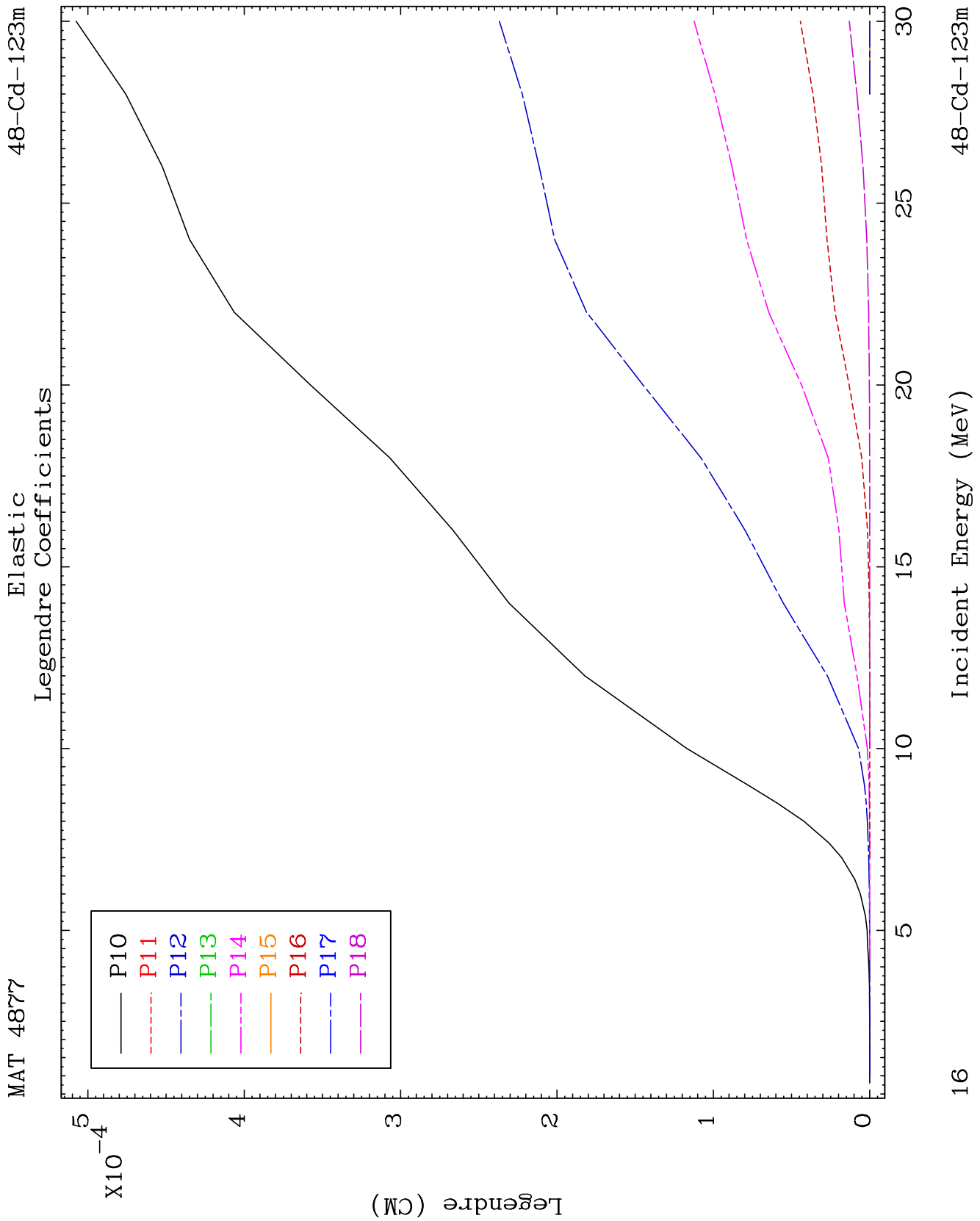


14

Incident Energy (MeV)

48-Cd-123m

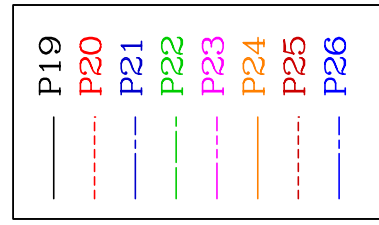




MAT 4877

Elastic  
Legendre Coefficients

48-Cd-123m



$\times 10^{-7}$

Legendre (CM)

6

4

2

0

15

20

25

30

17

Incident Energy (MeV)

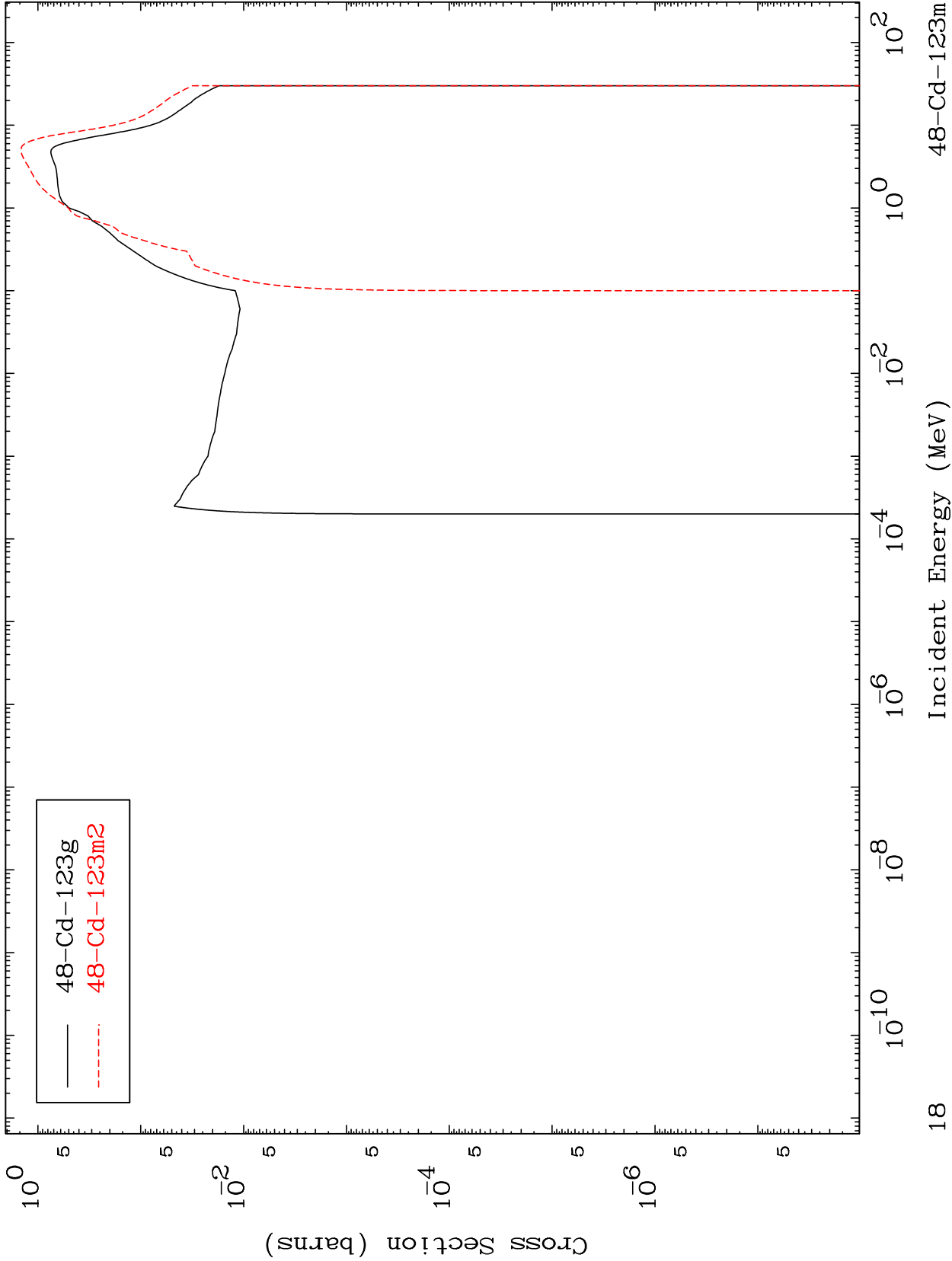
48-Cd-123m



MAT 4877

Inelastic  
Radionuclide Production Cross Section

48-Cd-123m



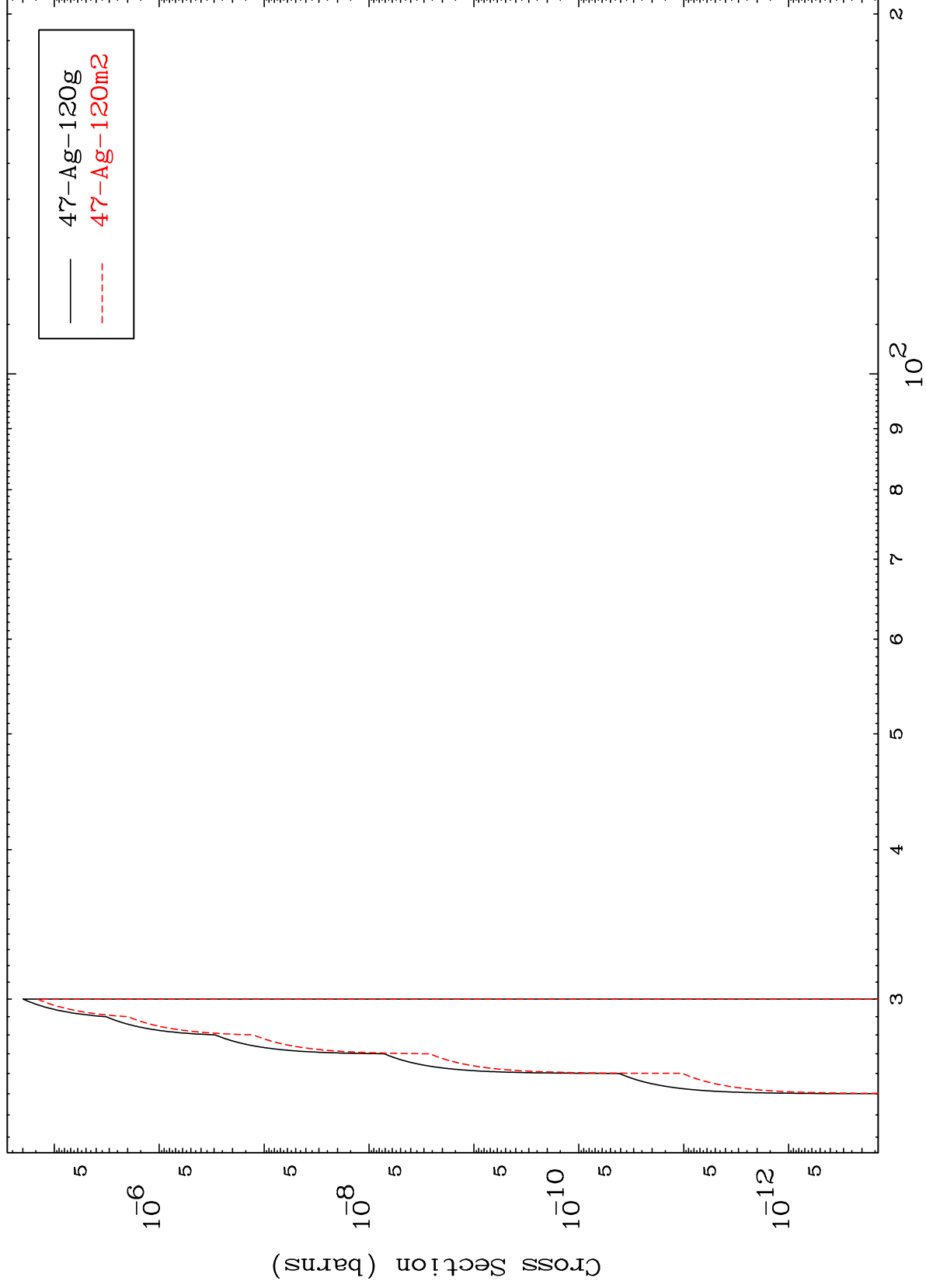
— 48-Cd-123g  
- - - 48-Cd-123m2

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(n,2n) d

48-Cd-123m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

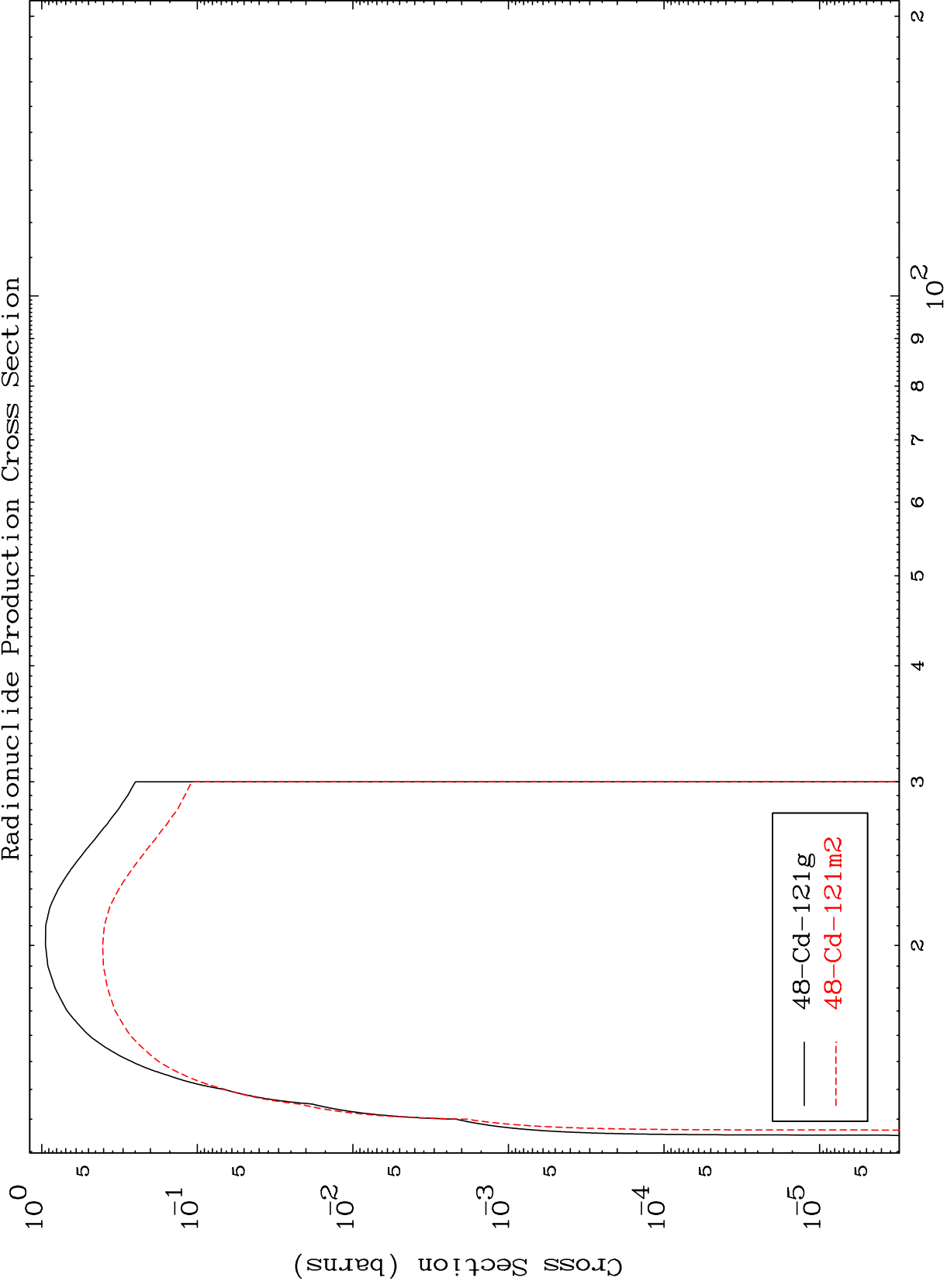
48-Cd-123m

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(n,3n)

48-Cd-123m

Radionuclide Production Cross Section

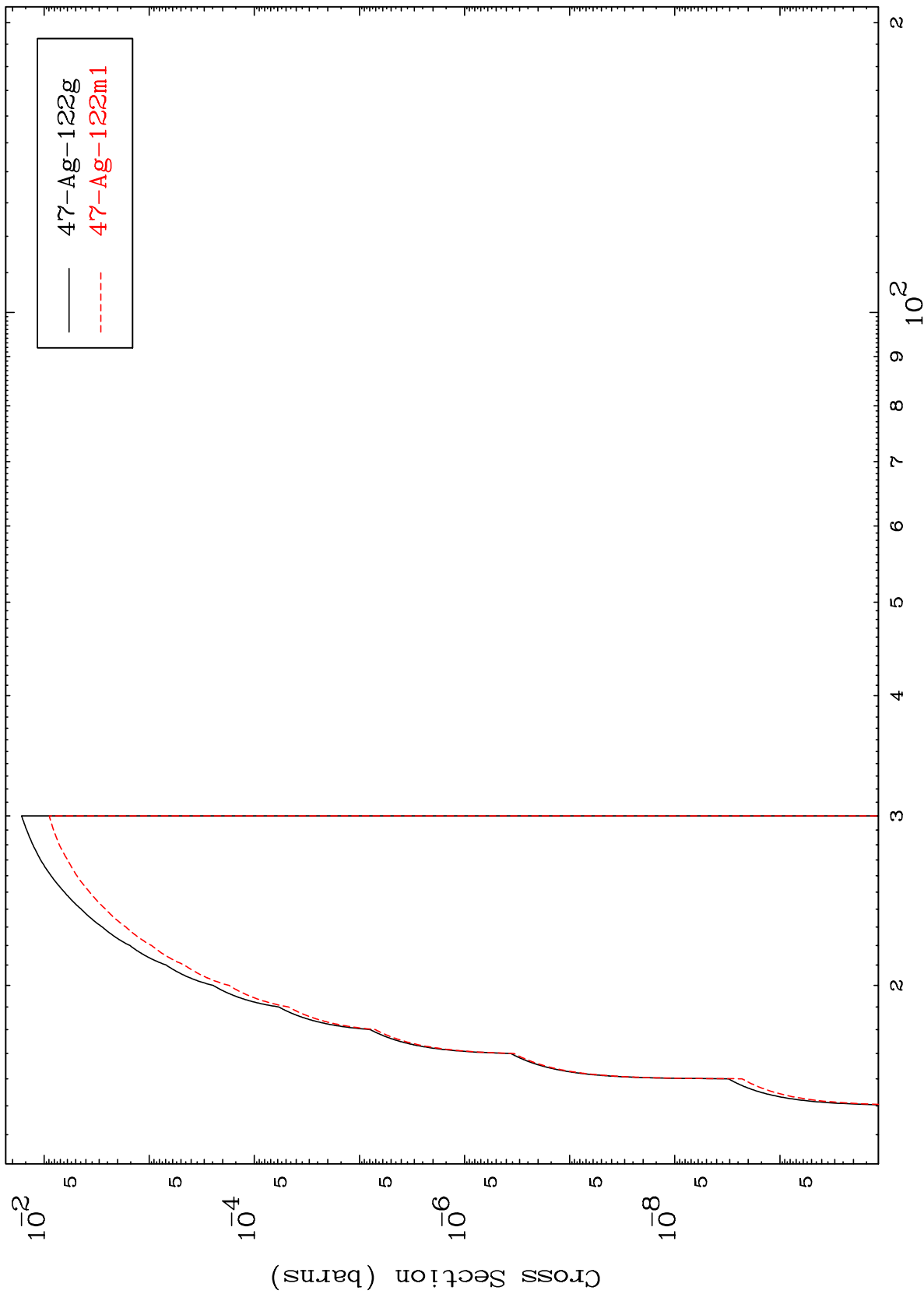


20

Incident Energy (MeV)

48-Cd-123m

Radionuclide Production Cross Section

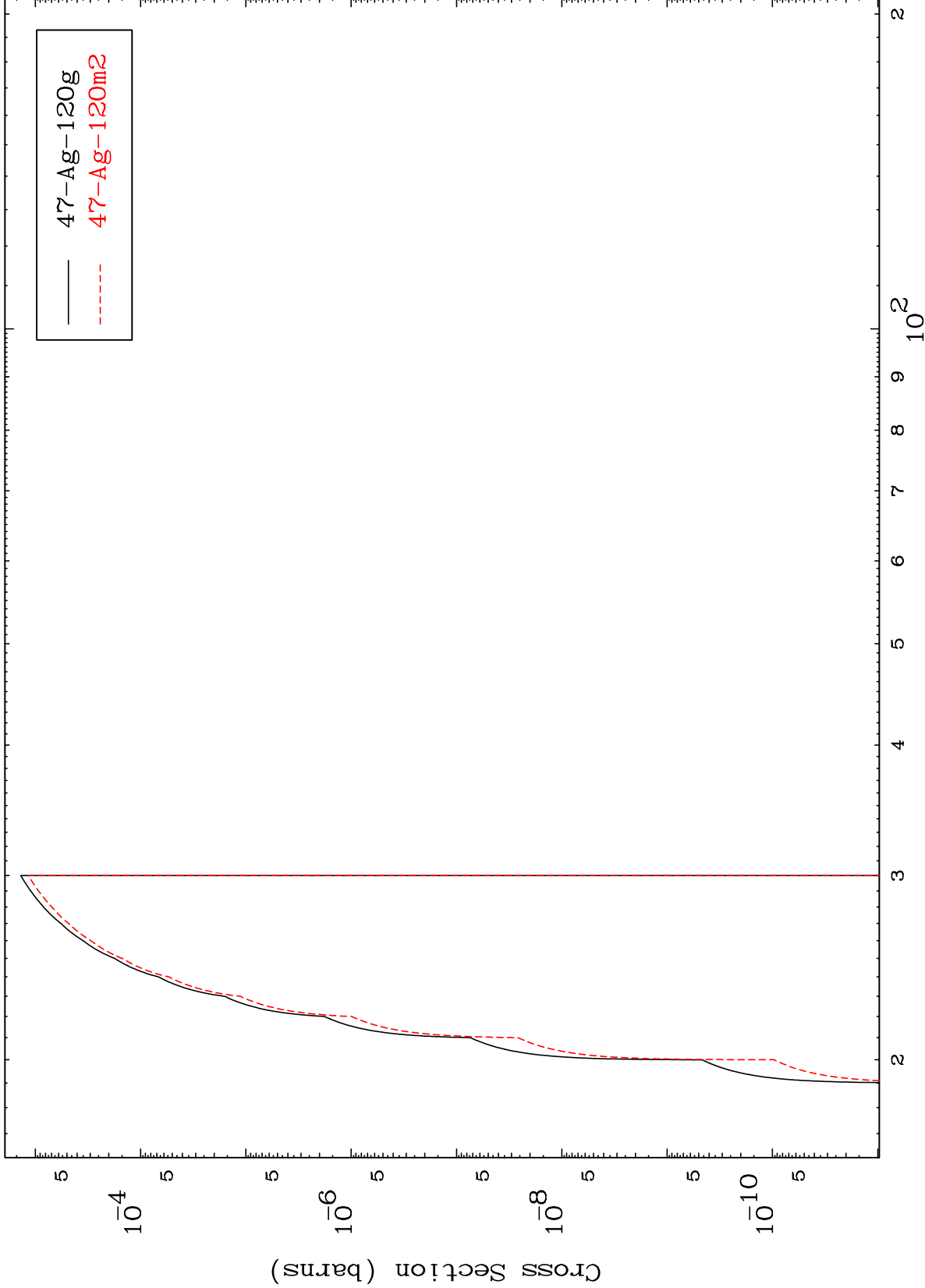


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(n,n') t

48-Cd-123m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

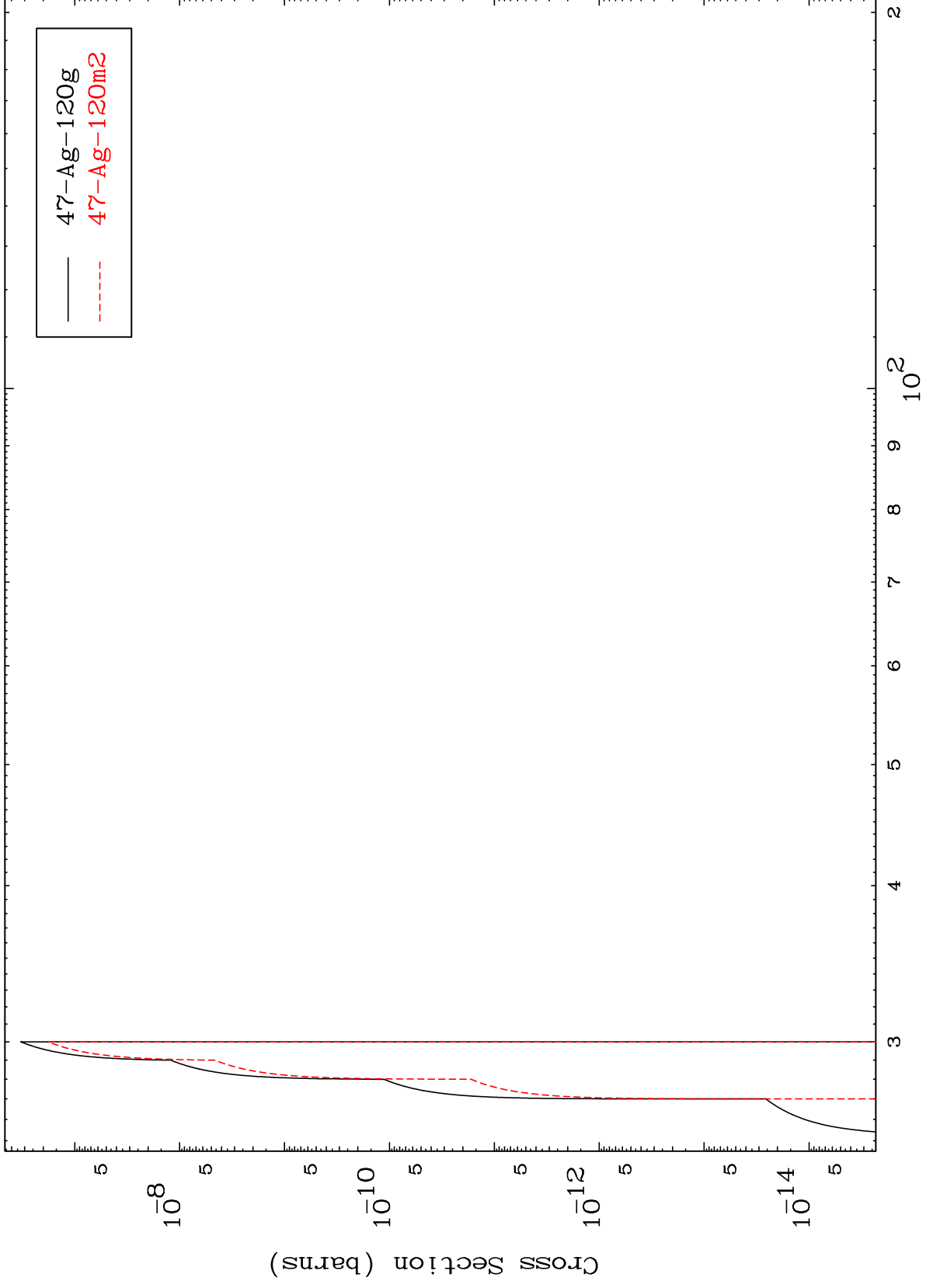
48-Cd-123m

MAT 4877

(n,3n) p

48-Cd-123m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

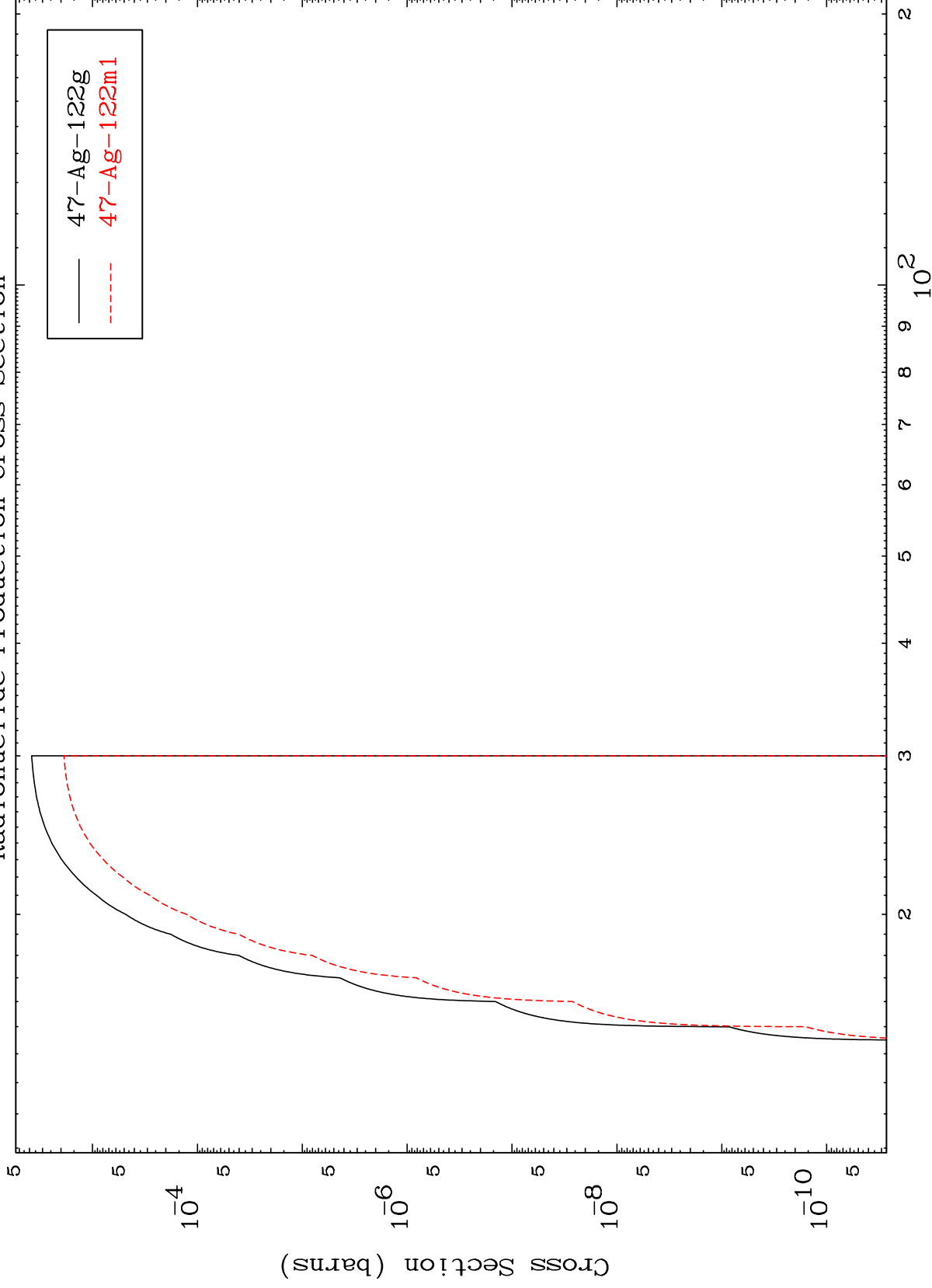
48-Cd-123m

MAT 4877

(n,d)

48-Cd-123m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

48-Cd-123m