

Program EVALPLOT  
(Version 2021-1)

by

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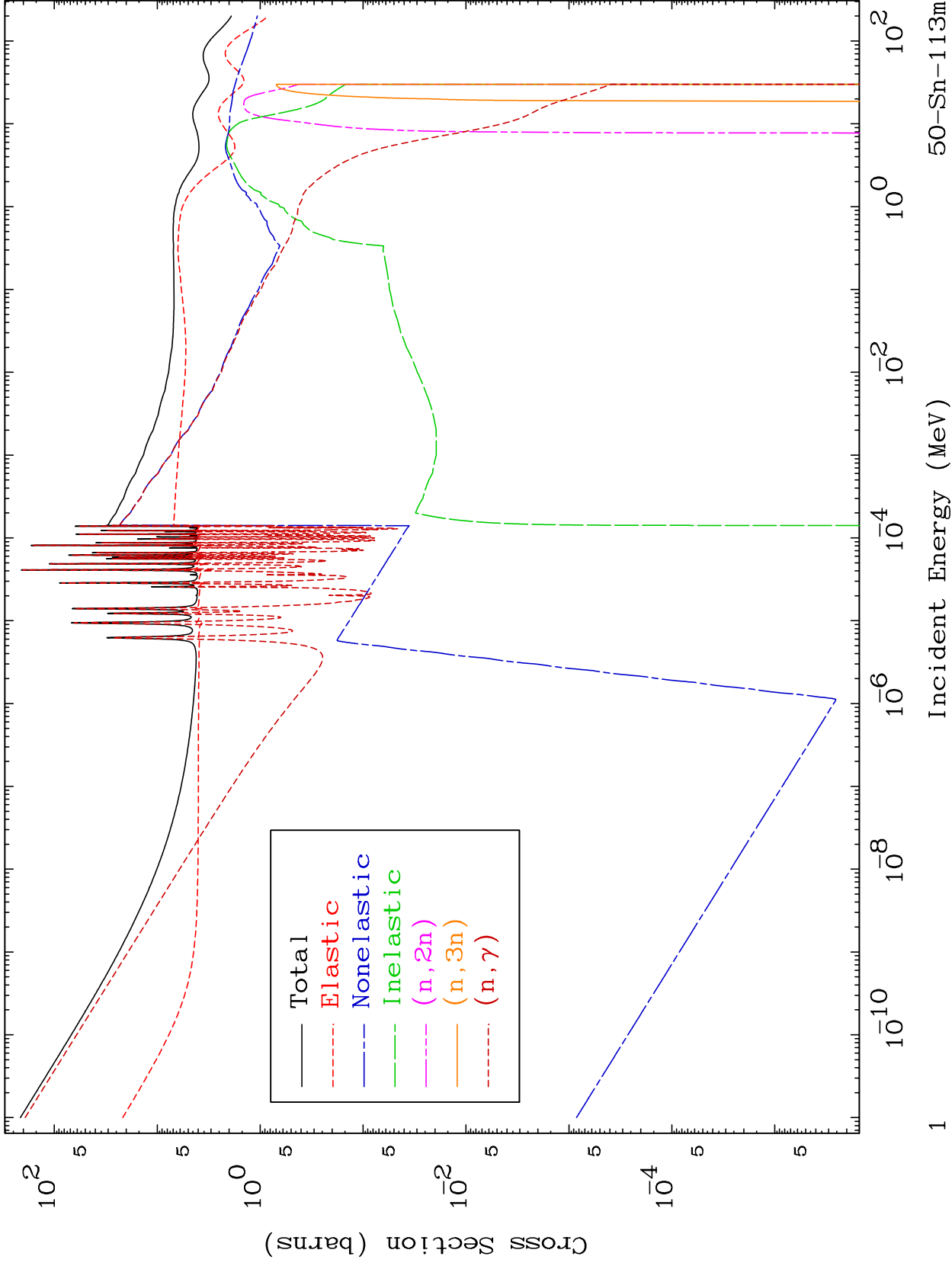
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5029

Neutron Major  
293 Kelvin Cross Sections

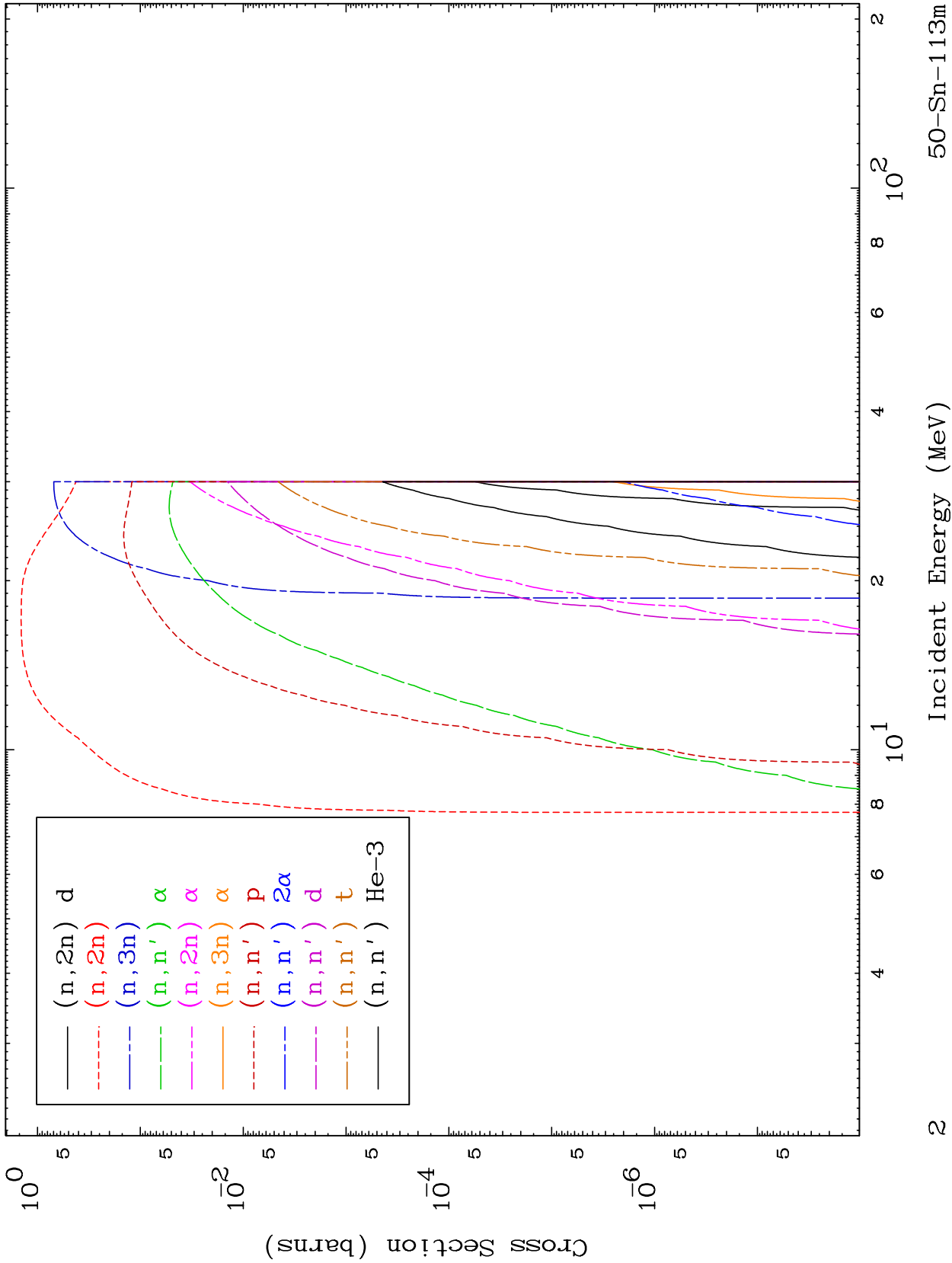
50-Sn-113m



MAT 5029

Neutron Absorption  
293 Kelvin Cross Sections

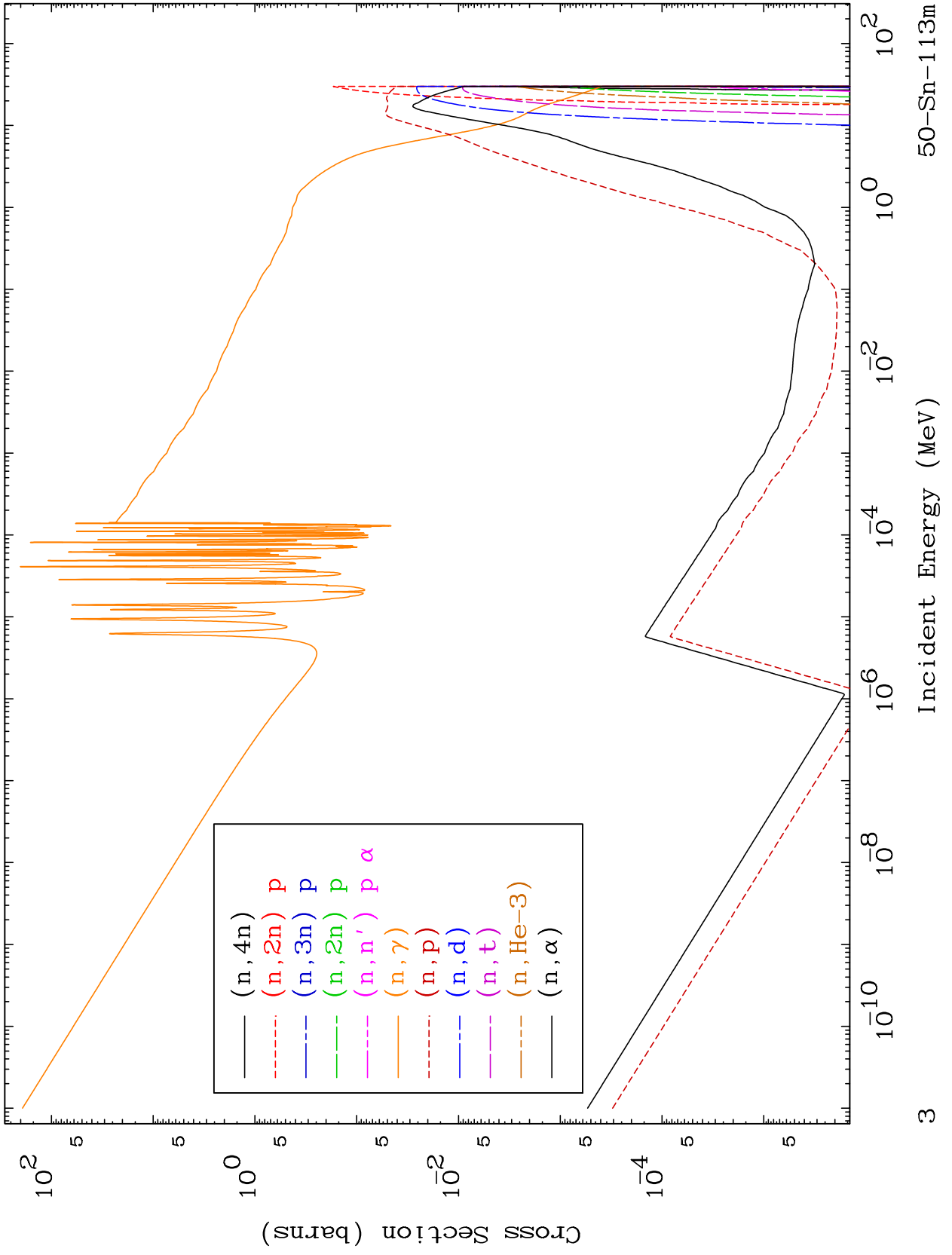
50-Sn-113m



MAT 5029

Neutron Absorption  
293 Kelvin Cross Sections

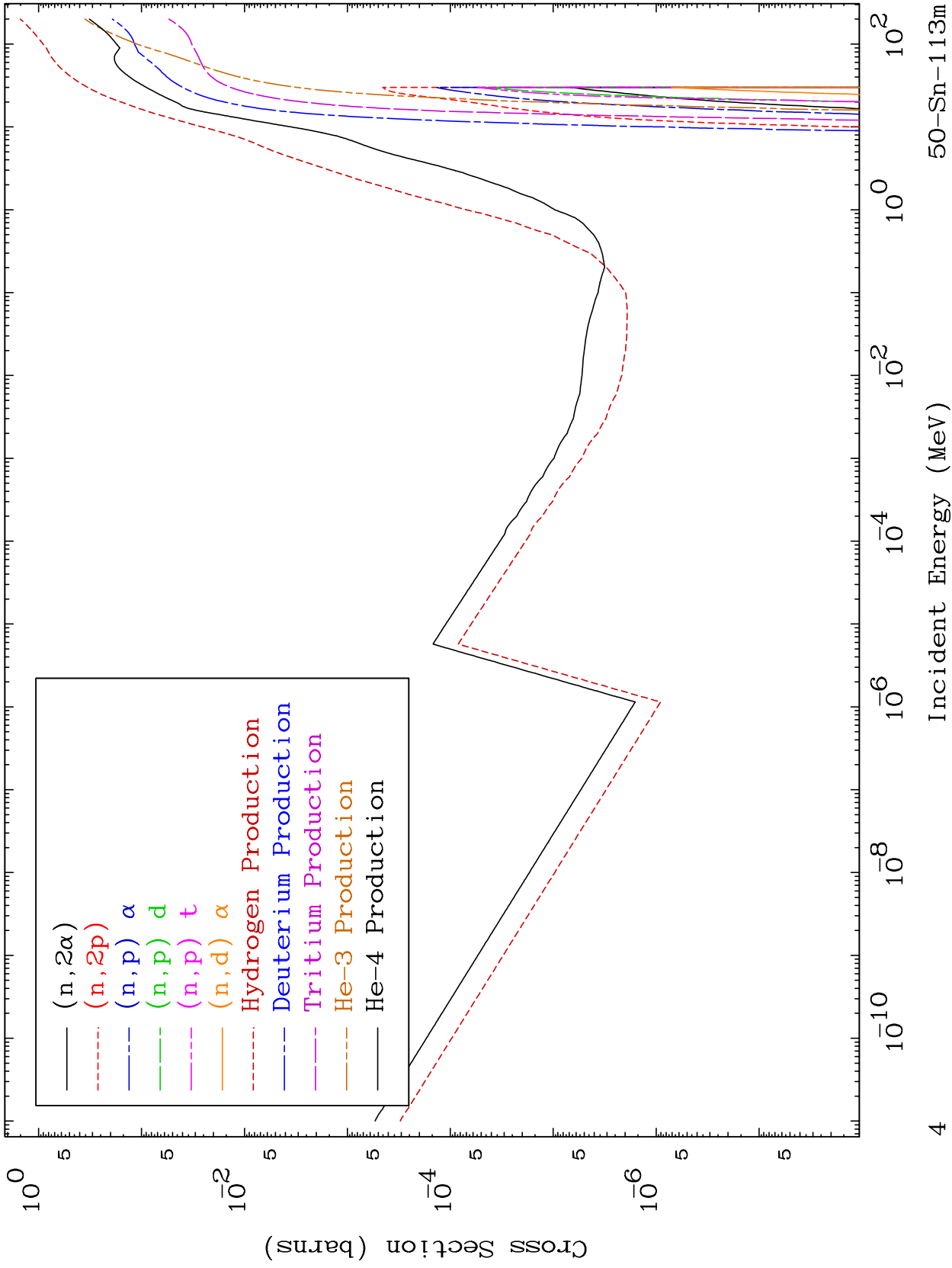
50-Sn-113m

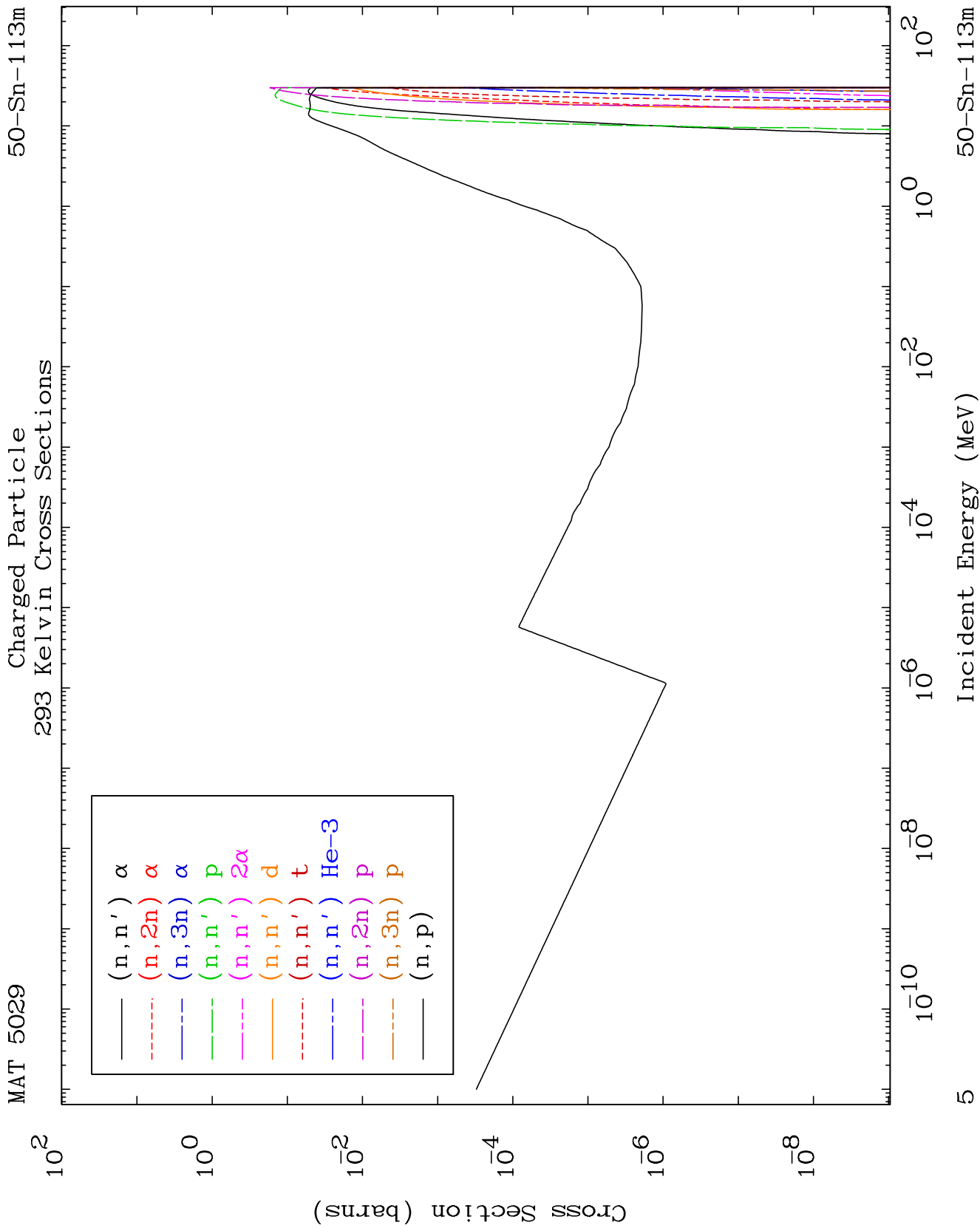


MAT 5029

Neutron Absorption  
293 Kelvin Cross Sections

50-Sn-113m

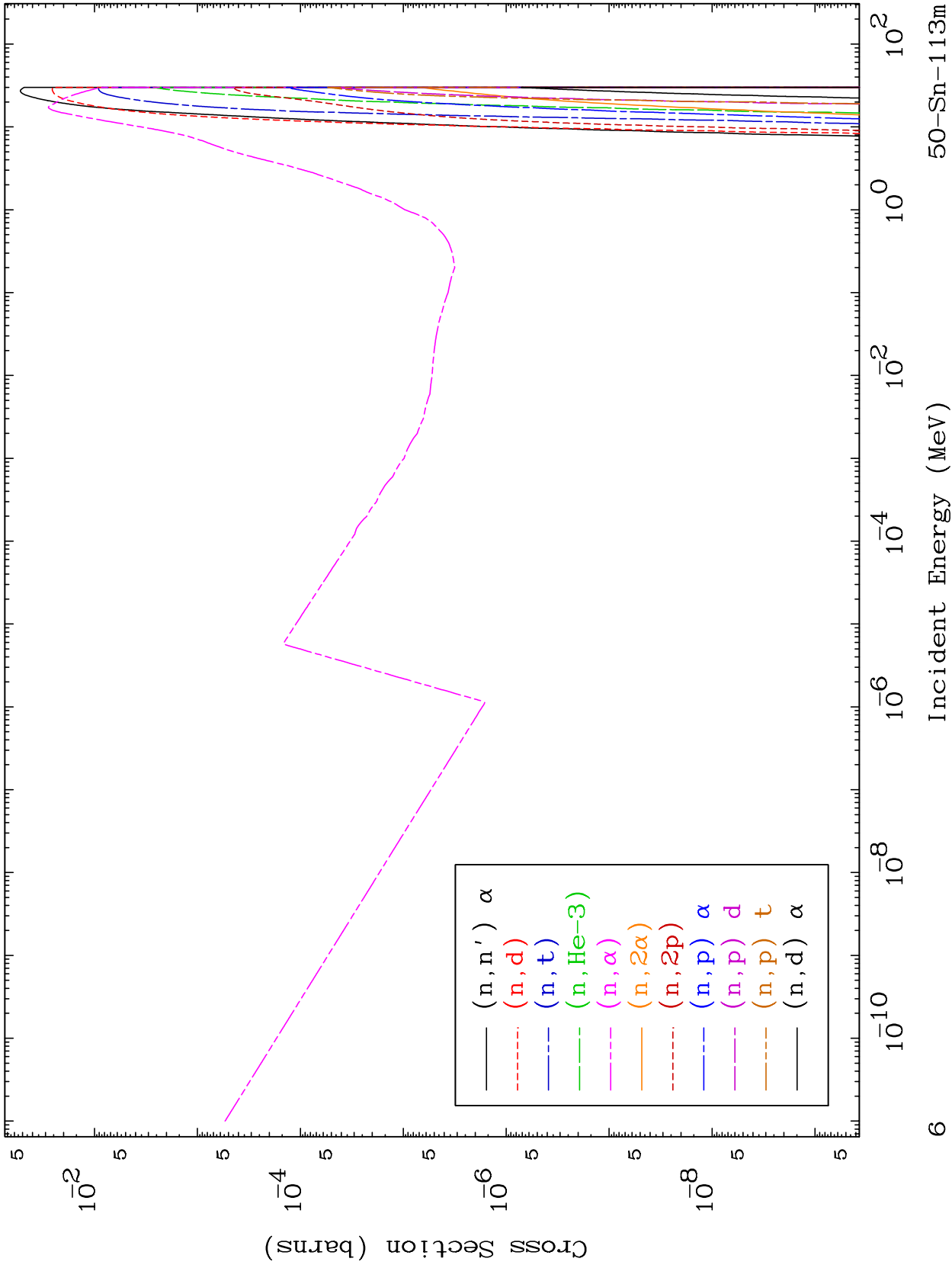




MAT 5029

Charged Particle  
293 Kelvin Cross Sections

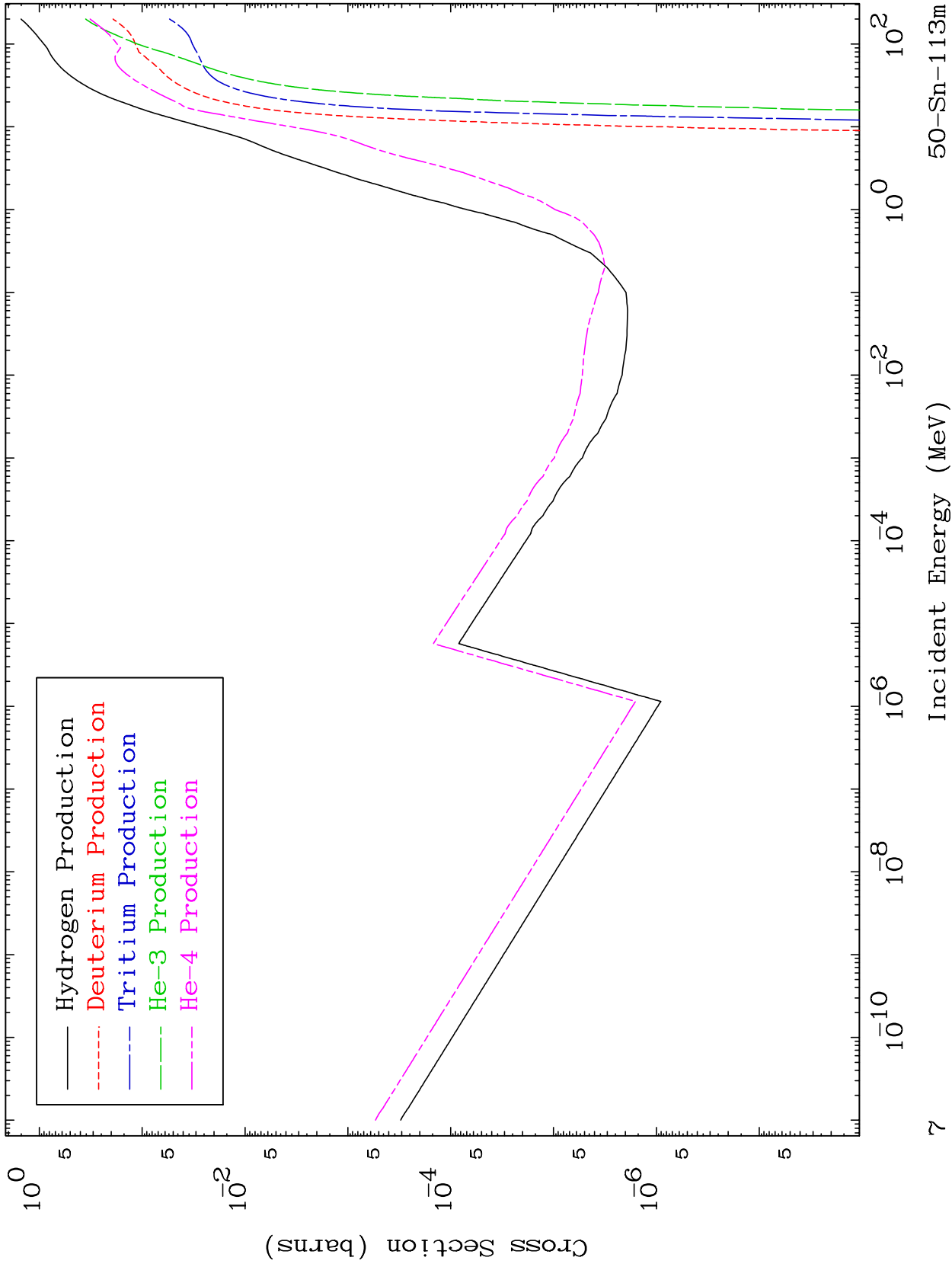
50-Sn-113m



MAT 5029

Particle Production  
293 Kelvin Cross Sections

50-Sn-113m

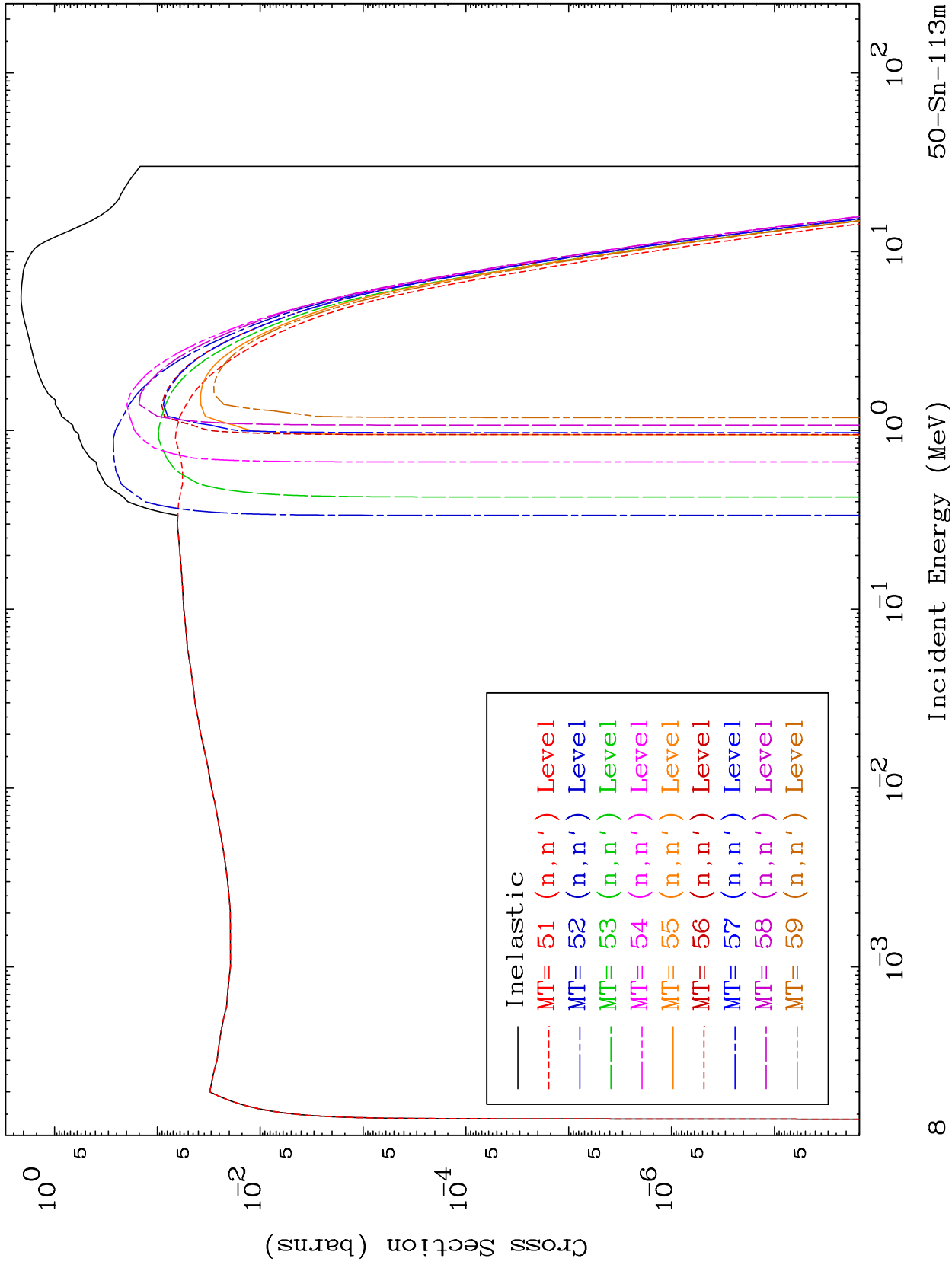




MAT 5029

(n,n') Levels  
293 Kelvin Cross Sections

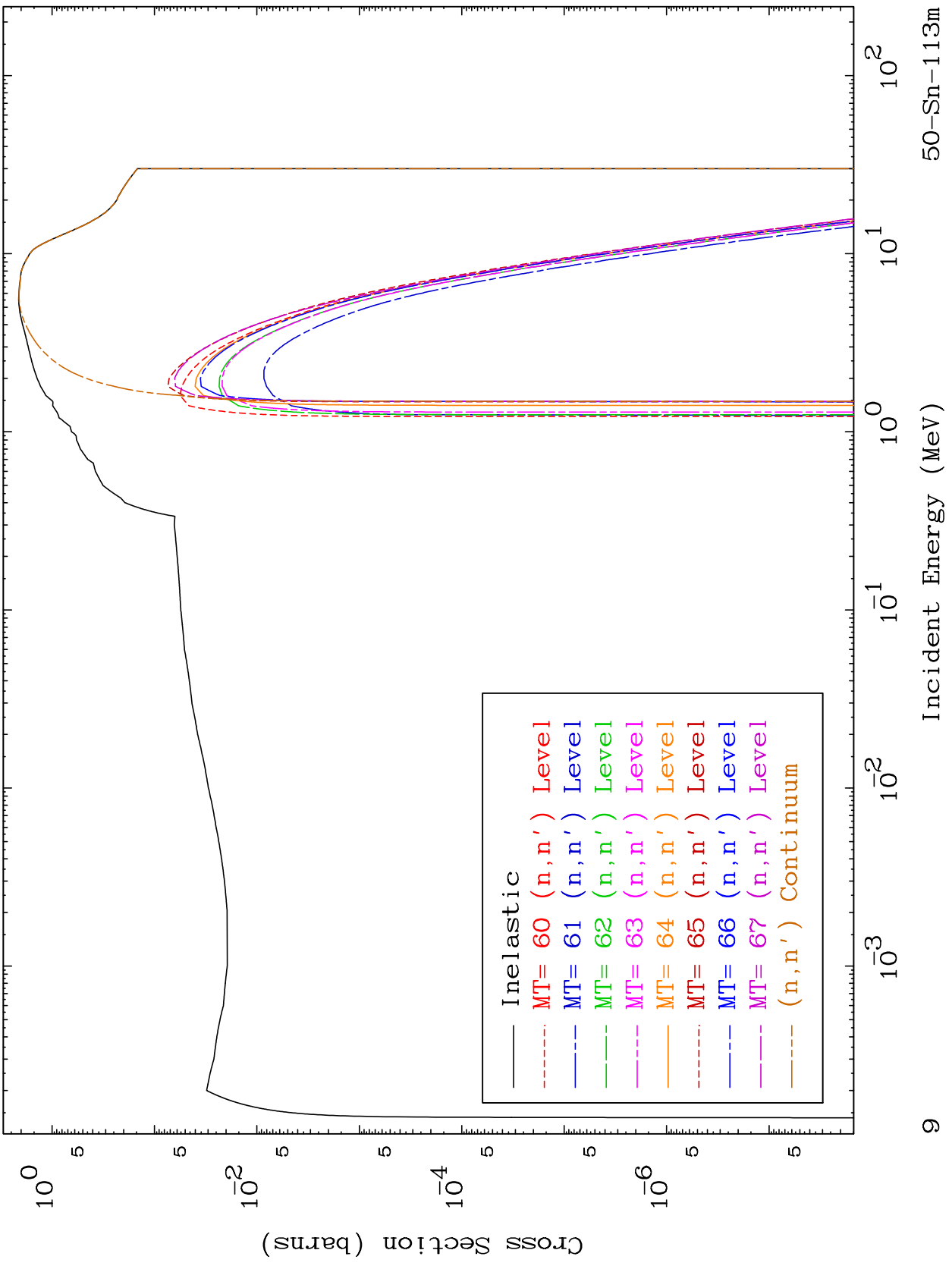
50-Sn-113m



MAT 5029

(n,n') Levels  
293 Kelvin Cross Sections

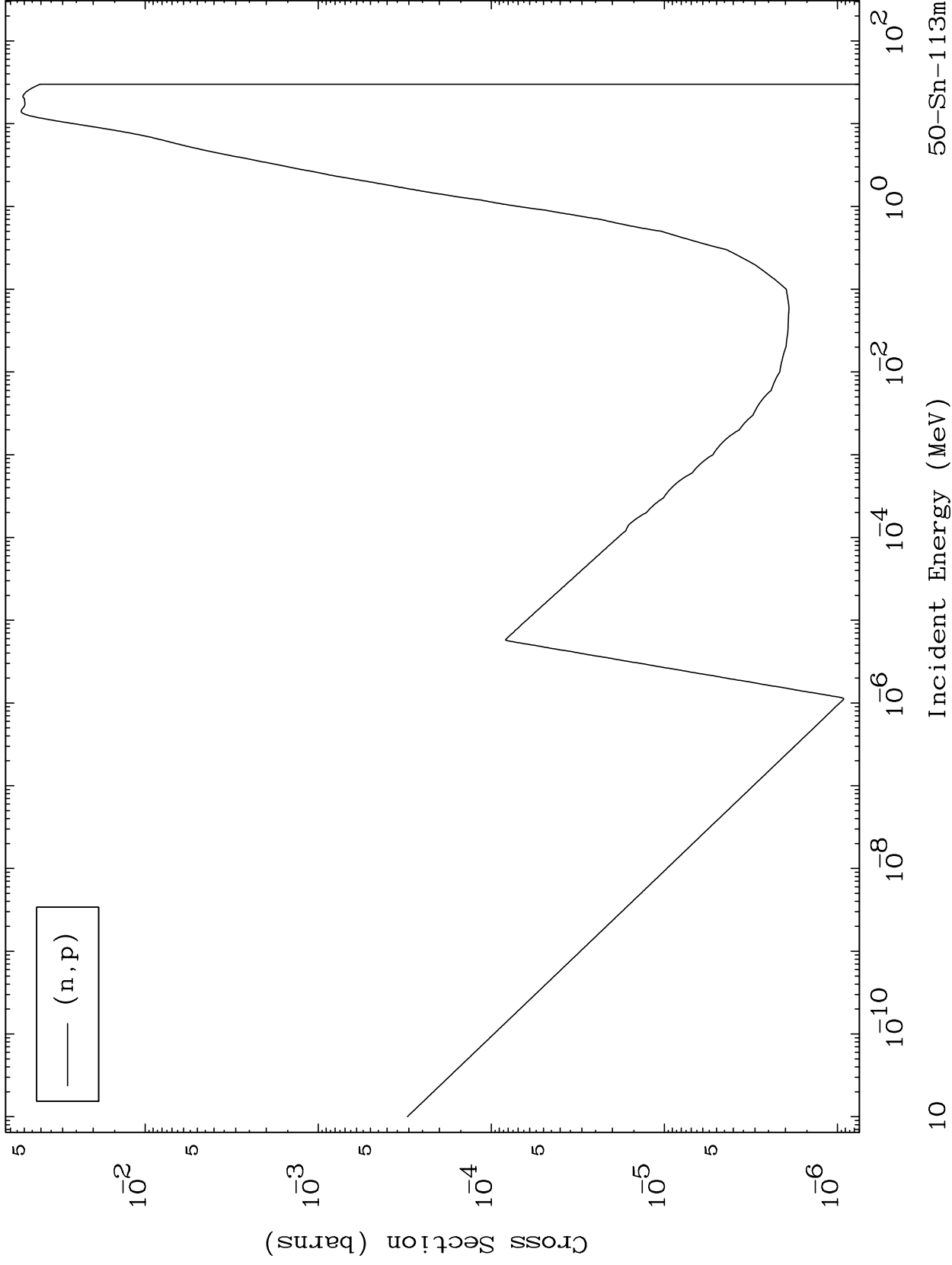
50-Sn-113m



MAT 5029

(n,p) Levels  
293 Kelvin Cross Sections

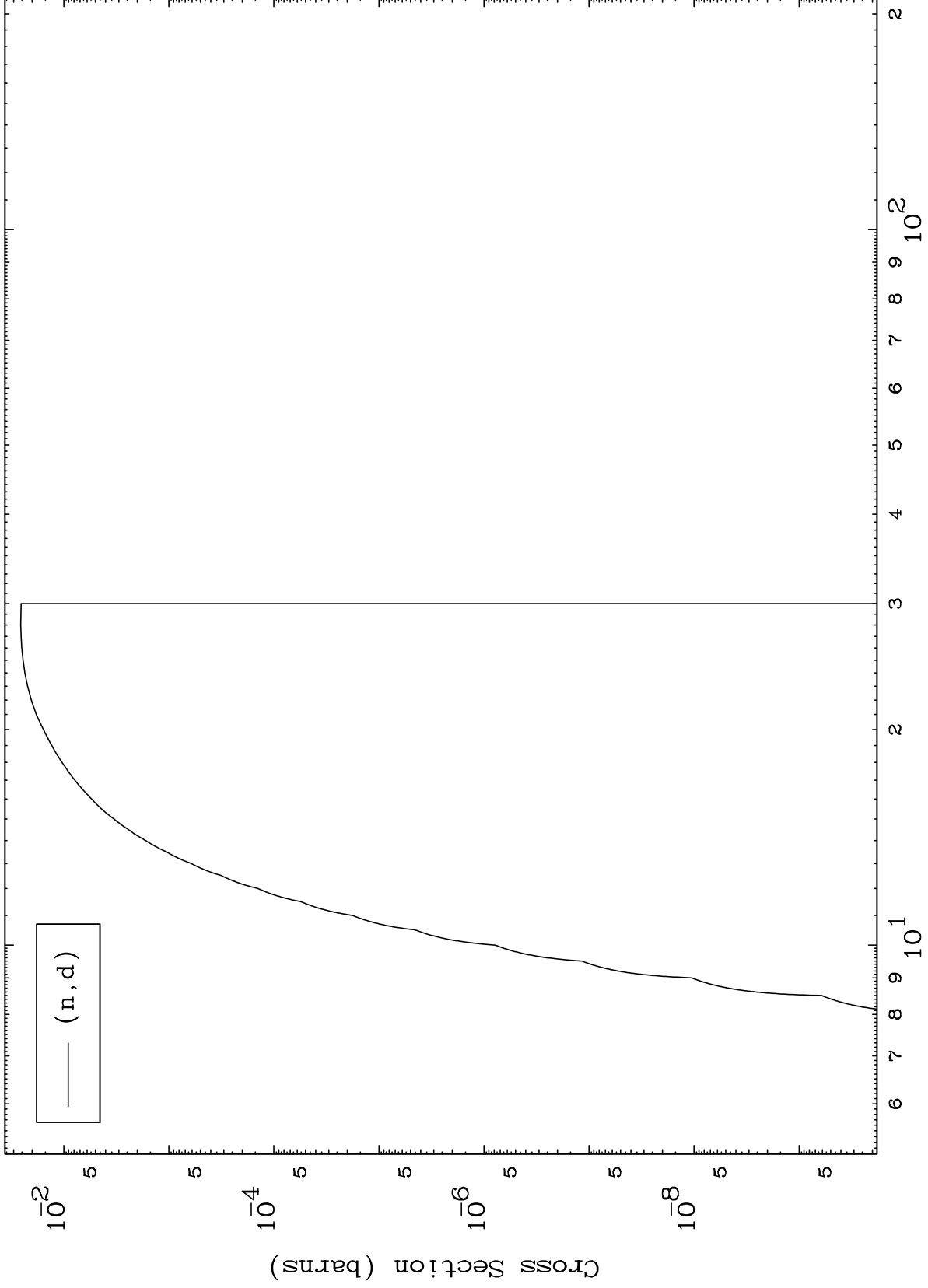
50-Sn-113m



MAT 5029

(n,d) Levels  
293 Kelvin Cross Sections

50-Sn-113m



11

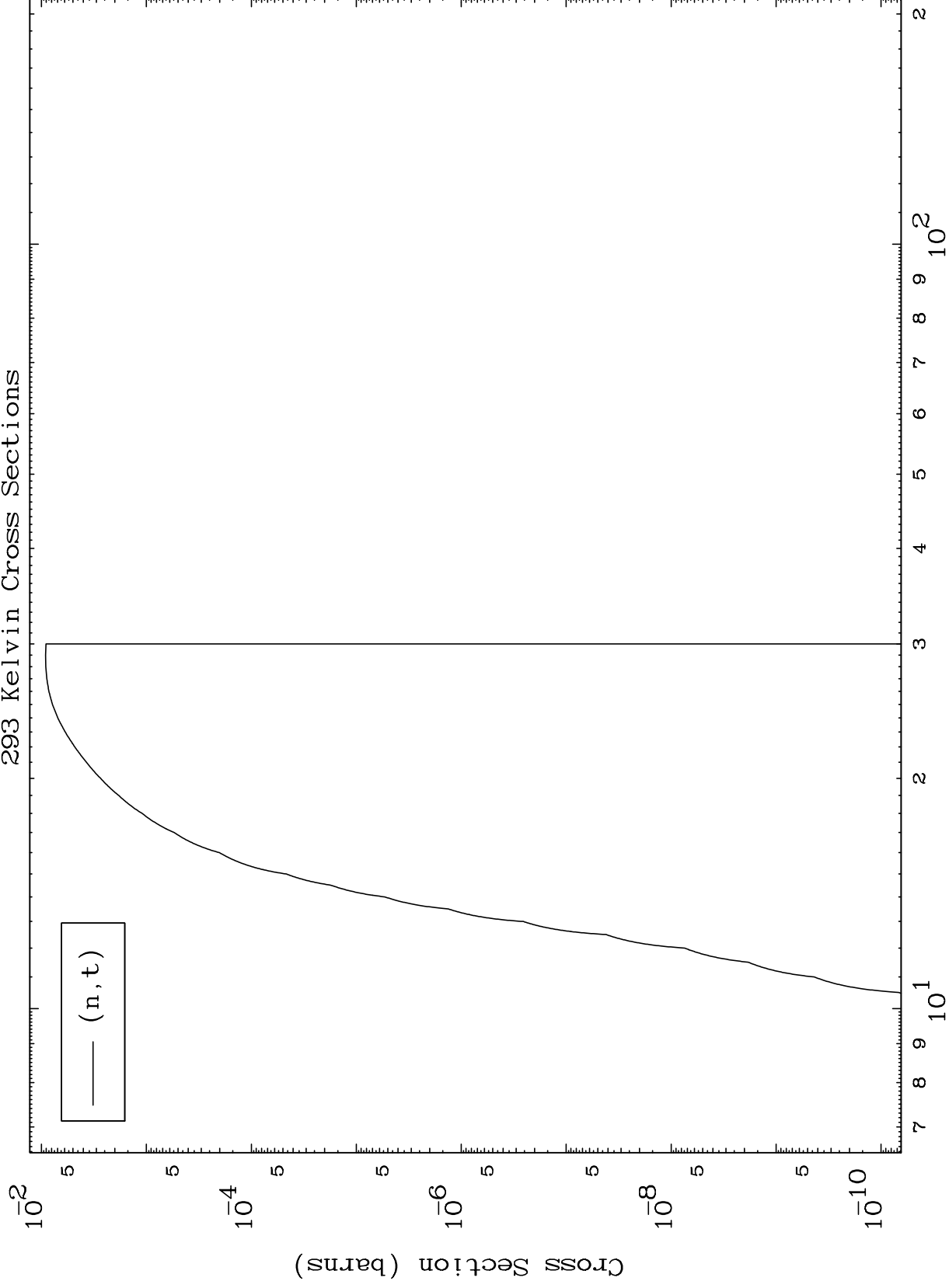
Incident Energy (MeV)

50-Sn-113m

MAT 5029

(n,t) Levels  
293 Kelvin Cross Sections

50-Sn-113m



12

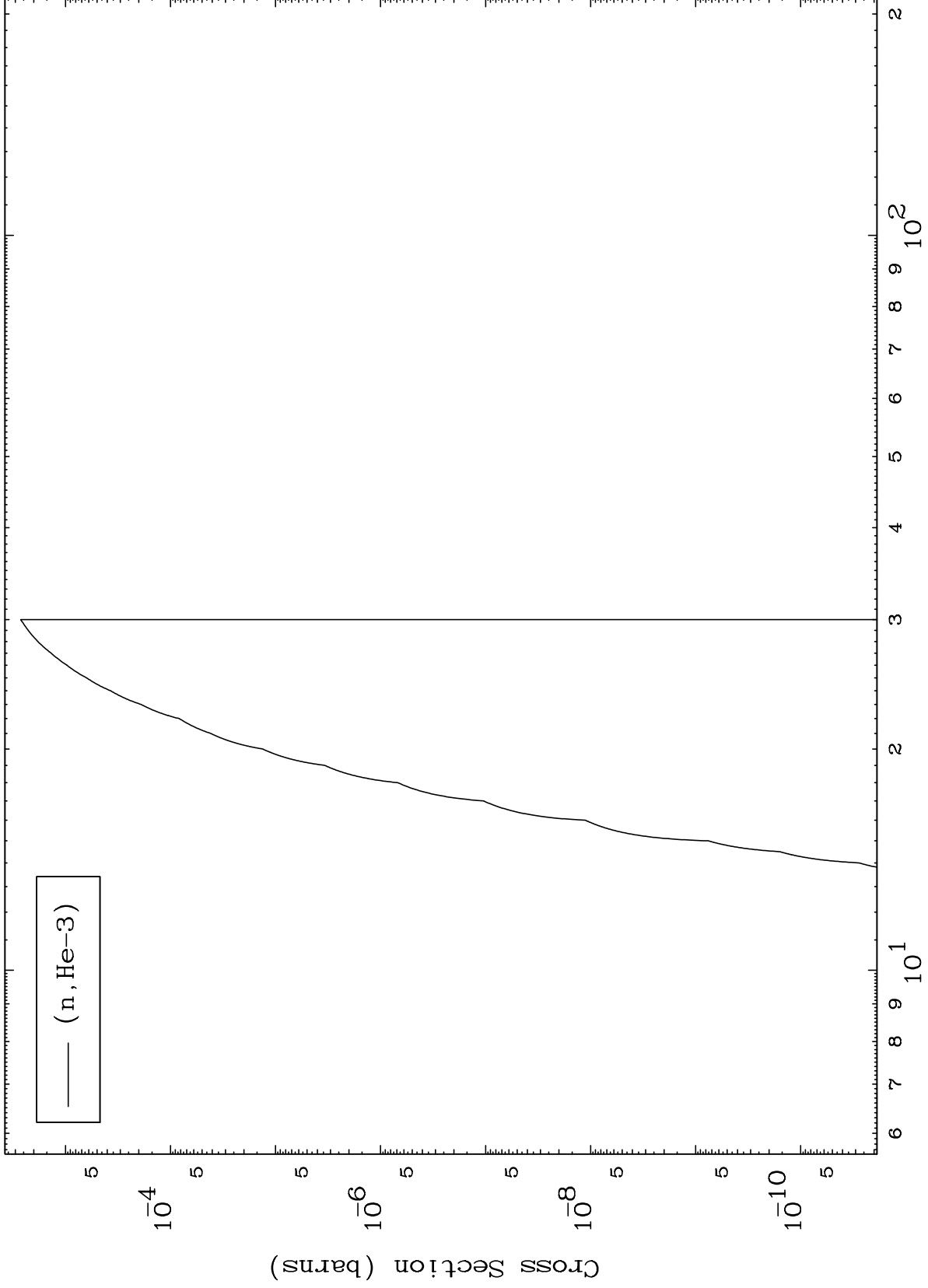
Incident Energy (MeV)

50-Sn-113m

MAT 5029

(n,He3) Levels  
293 Kelvin Cross Sections

50-Sn-113m



13

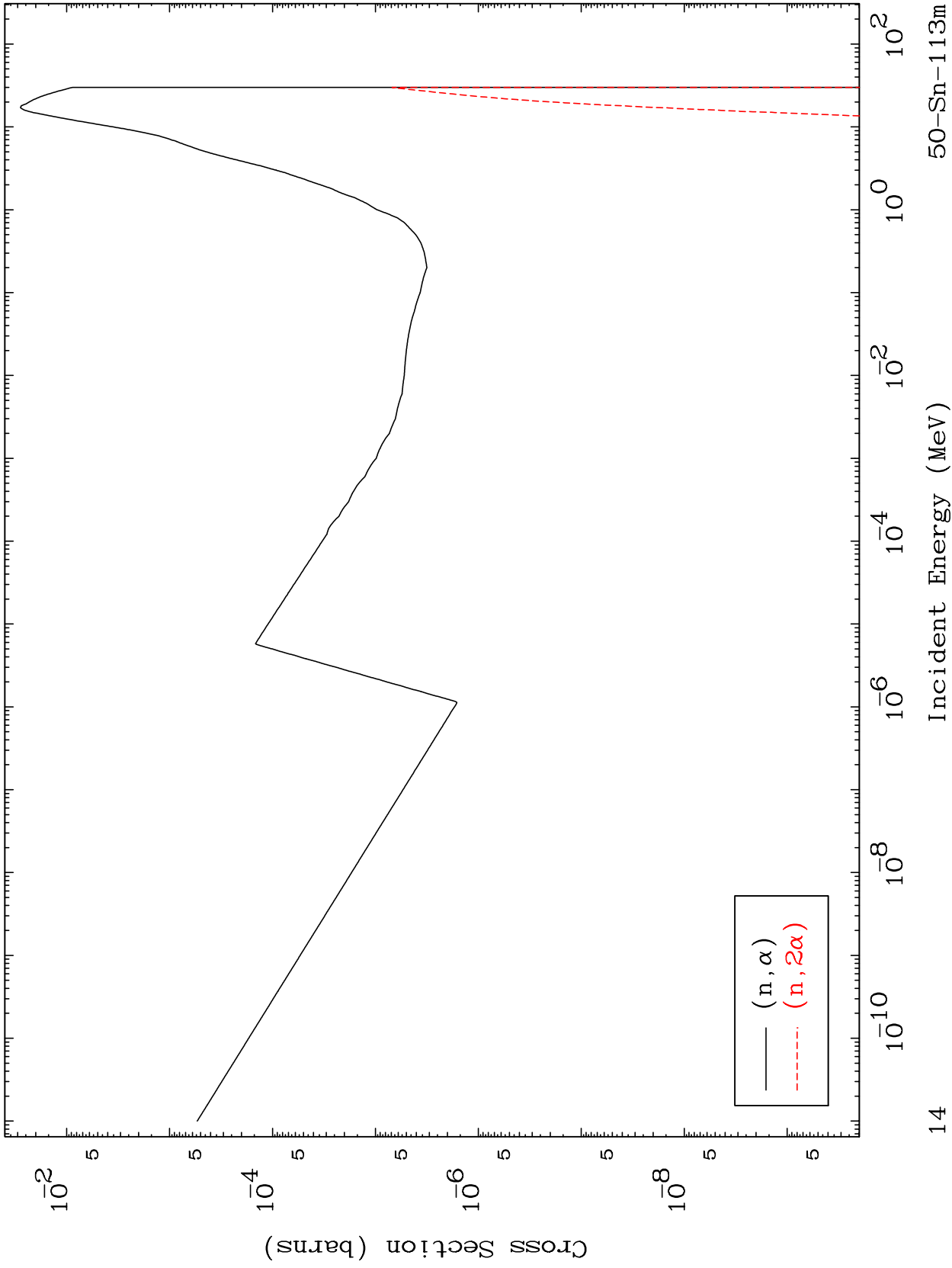
Incident Energy (MeV)

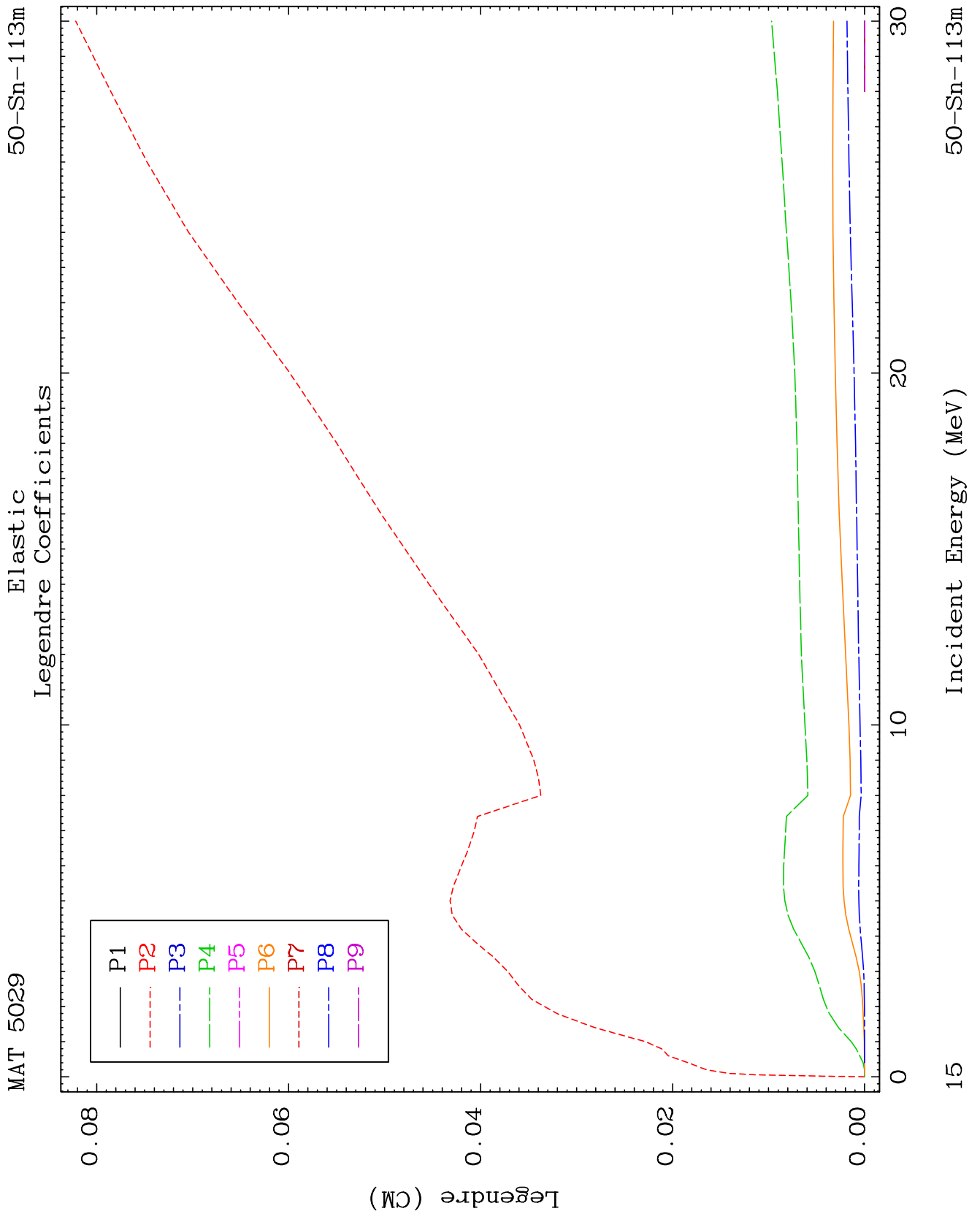
50-Sn-113m

MAT 5029

(n,α) Levels  
293 Kelvin Cross Sections

50-Sn-113m



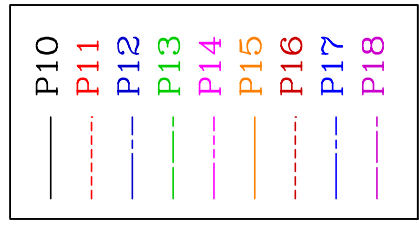




MAT 5029

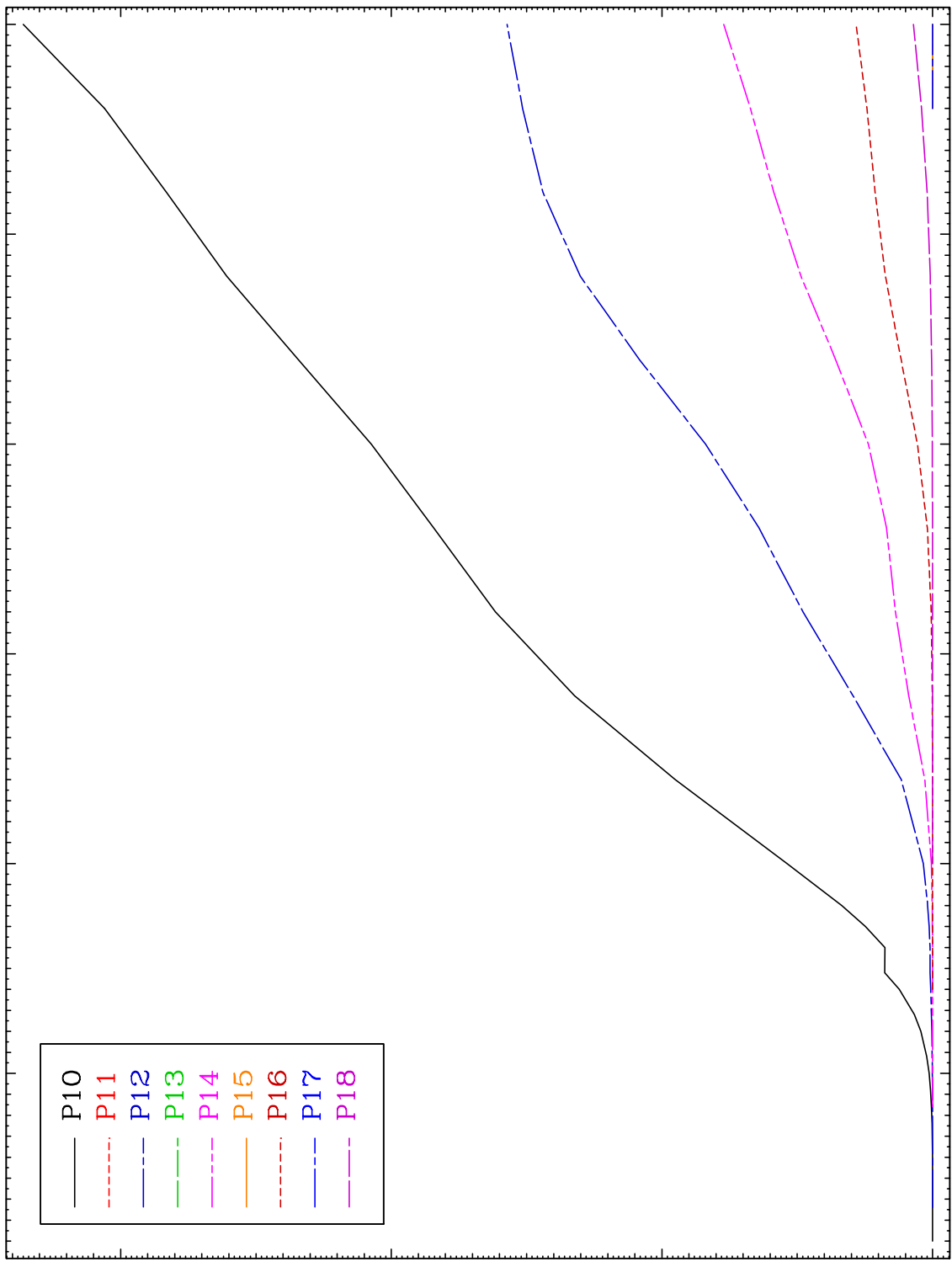
Elastic Legendre Coefficients

50-Sn-113m



$\times 10^{-4}$

Legendre (CM)



16

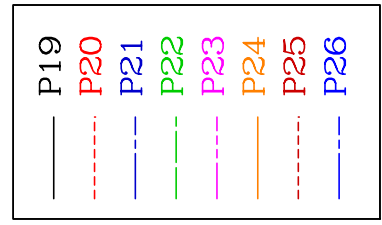
Incident Energy (MeV)

50-Sn-113m

MAT 5029

Elastic Legendre Coefficients

50-Sn-113m



$\times 10^{-7}$

Legendre (CM)

6

4

2

0

15

20

25

30

17

Incident Energy (MeV)

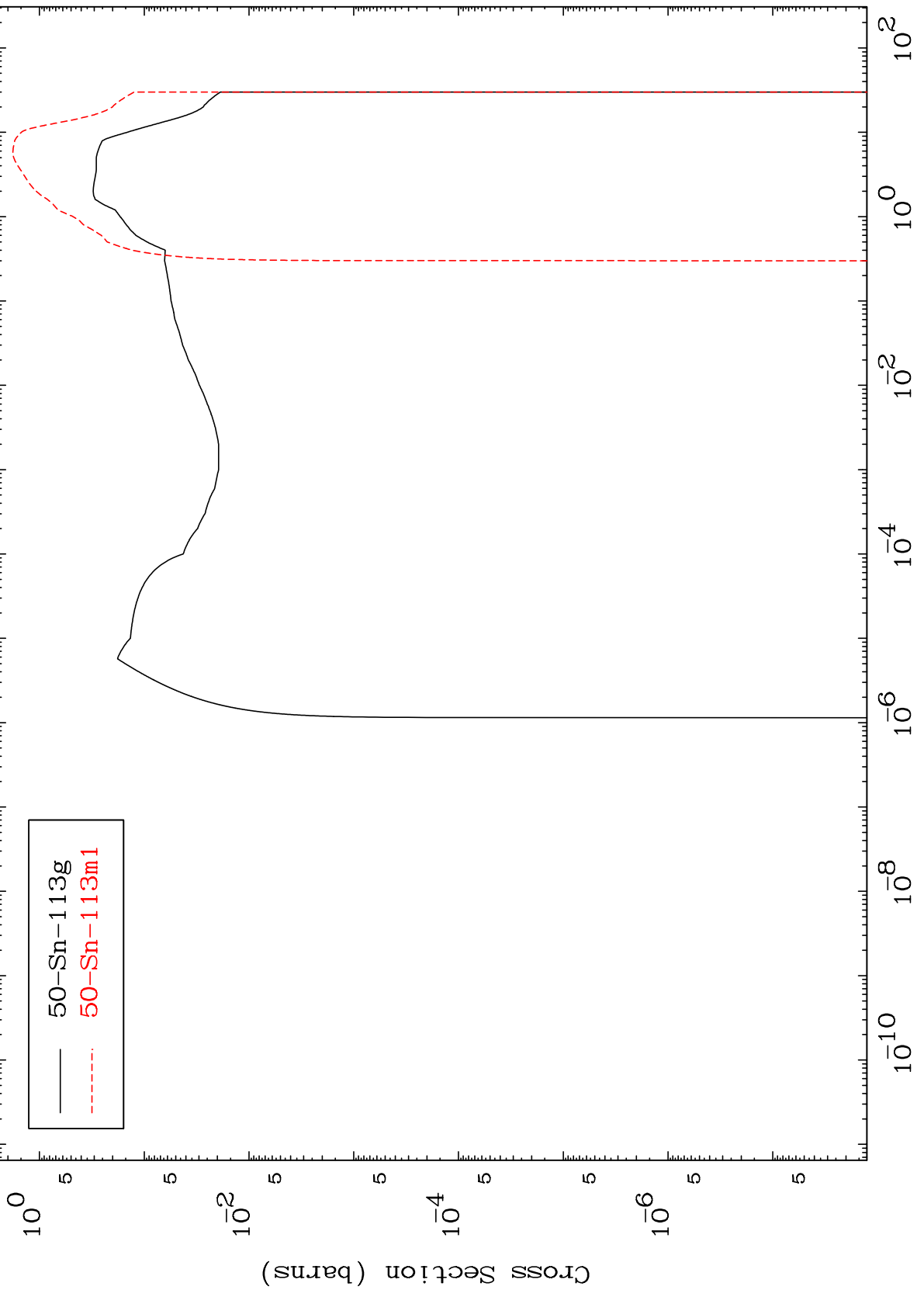
50-Sn-113m



MAT 5029

50-Sn-113m

Inelastic  
Radionuclide Production Cross Section

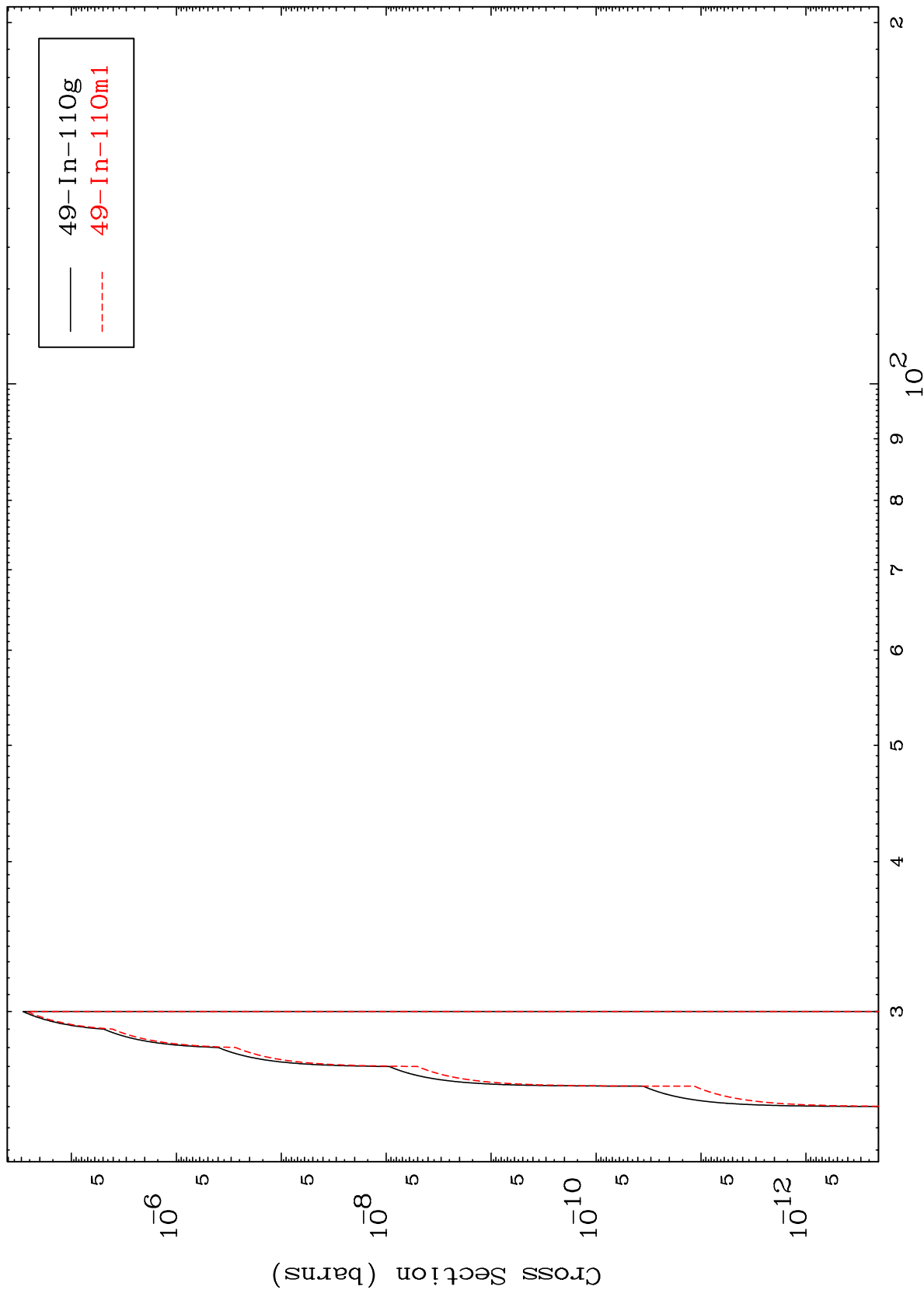


MAT 5029

(n,2n) d

50-Sn-113m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

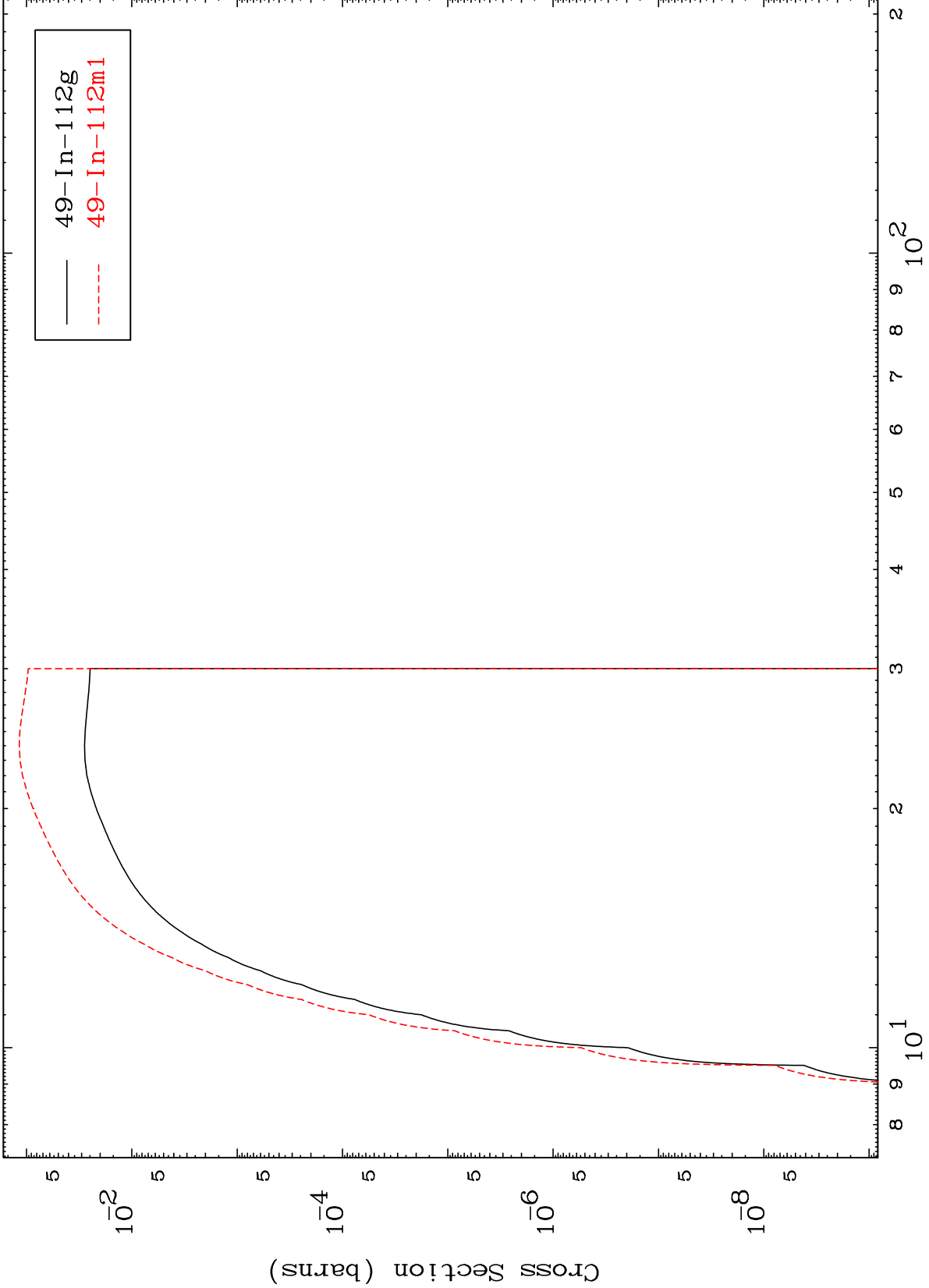
50-Sn-113m

MAT 5029

(n,n') p

50-Sn-113m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

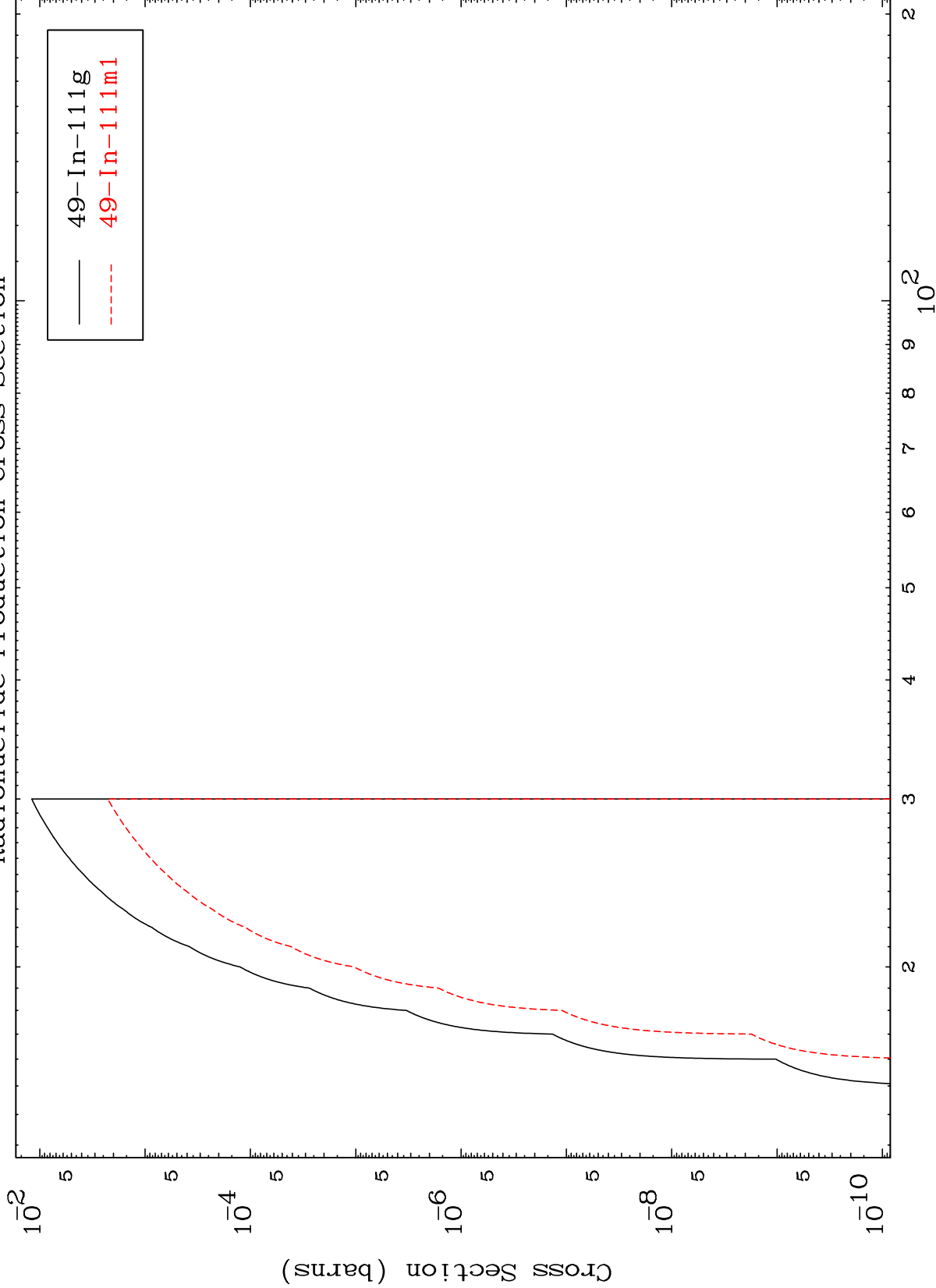
50-Sn-113m

MAT 5029

(n,n') d

50-Sn-113m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

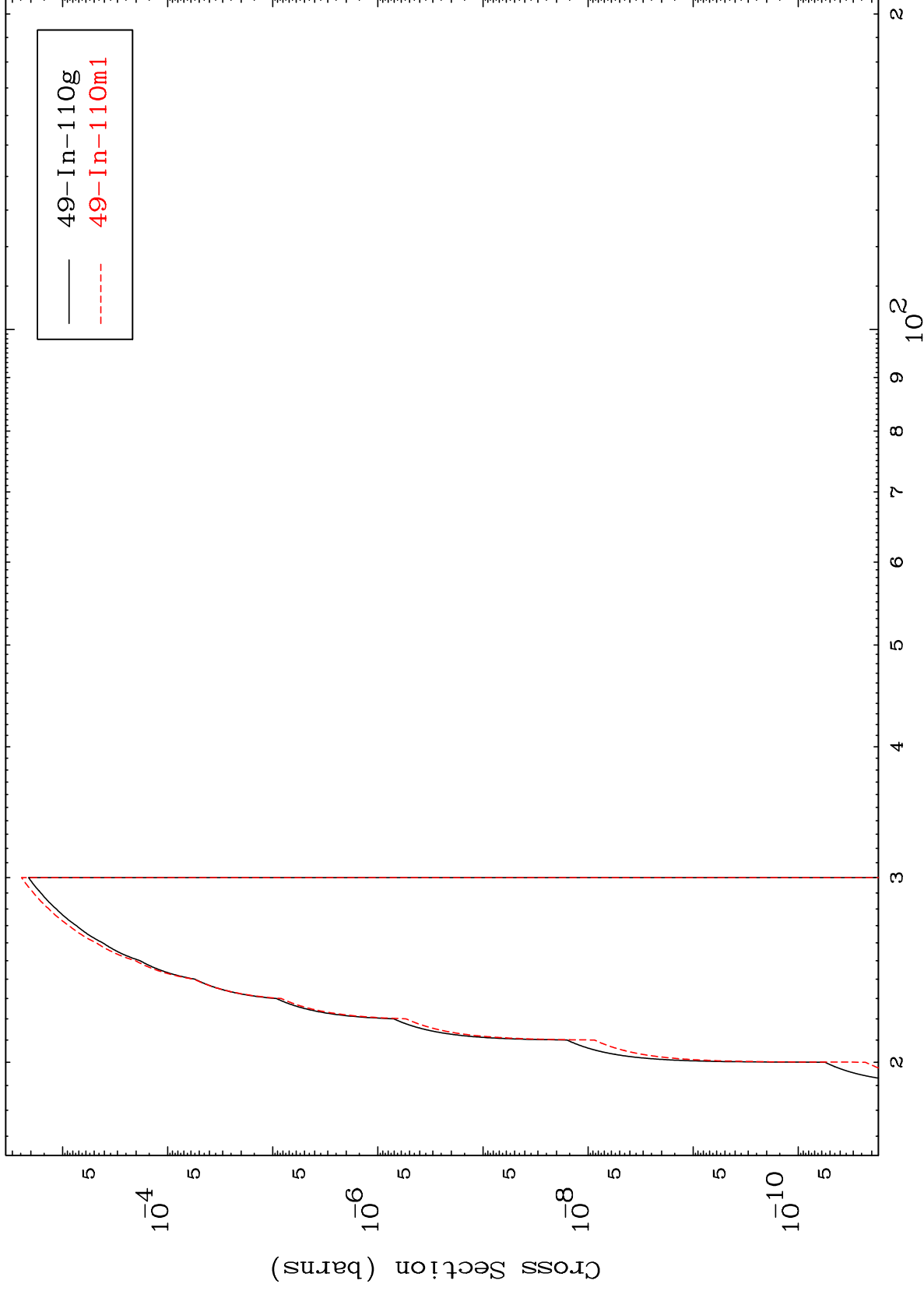
50-Sn-113m

MAT 5029

(n,n') t

50-Sn-113m

Radionuclide Production Cross Section

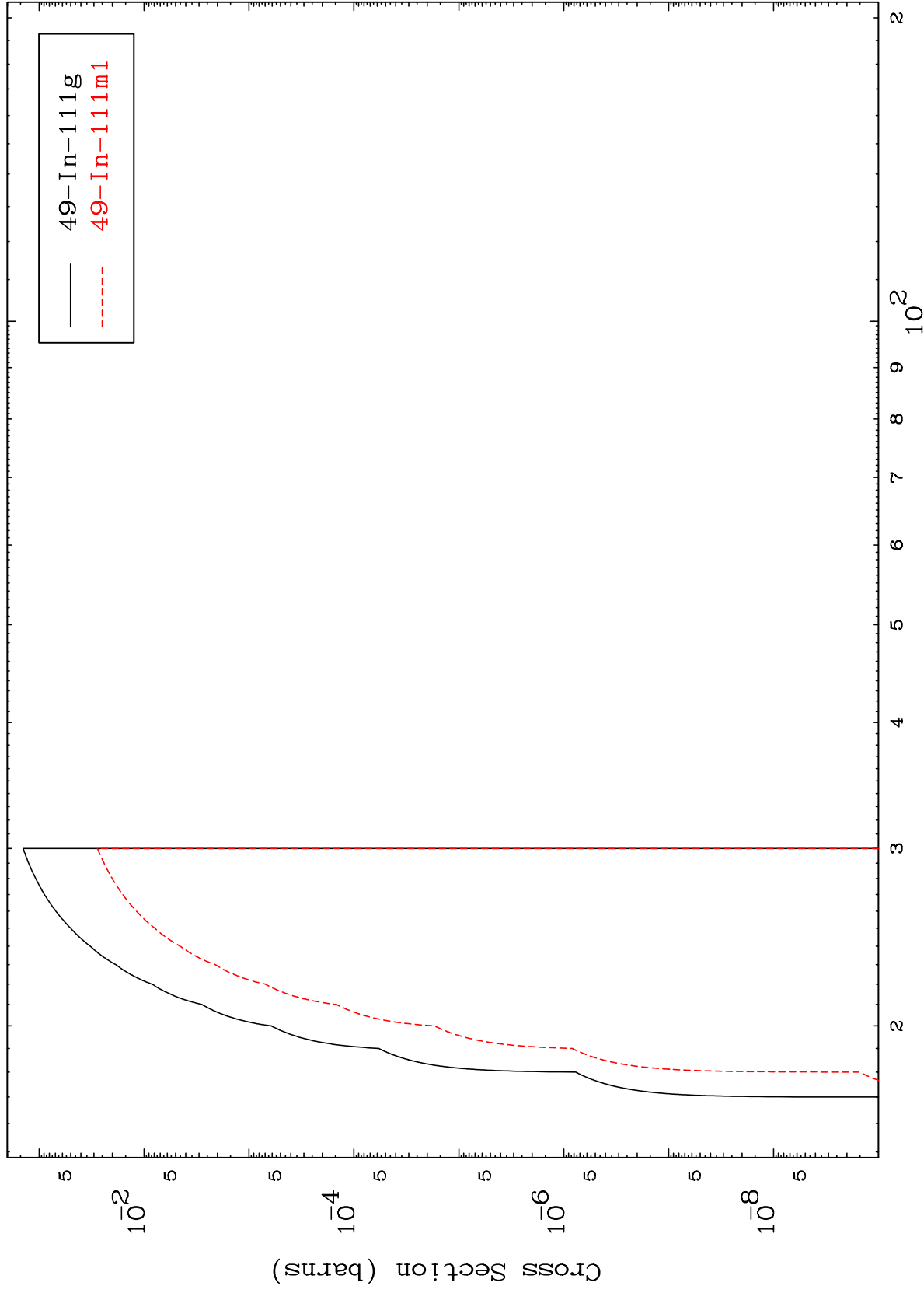


MAT 5029

(n,2n) p

50-Sn-113m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

50-Sn-113m

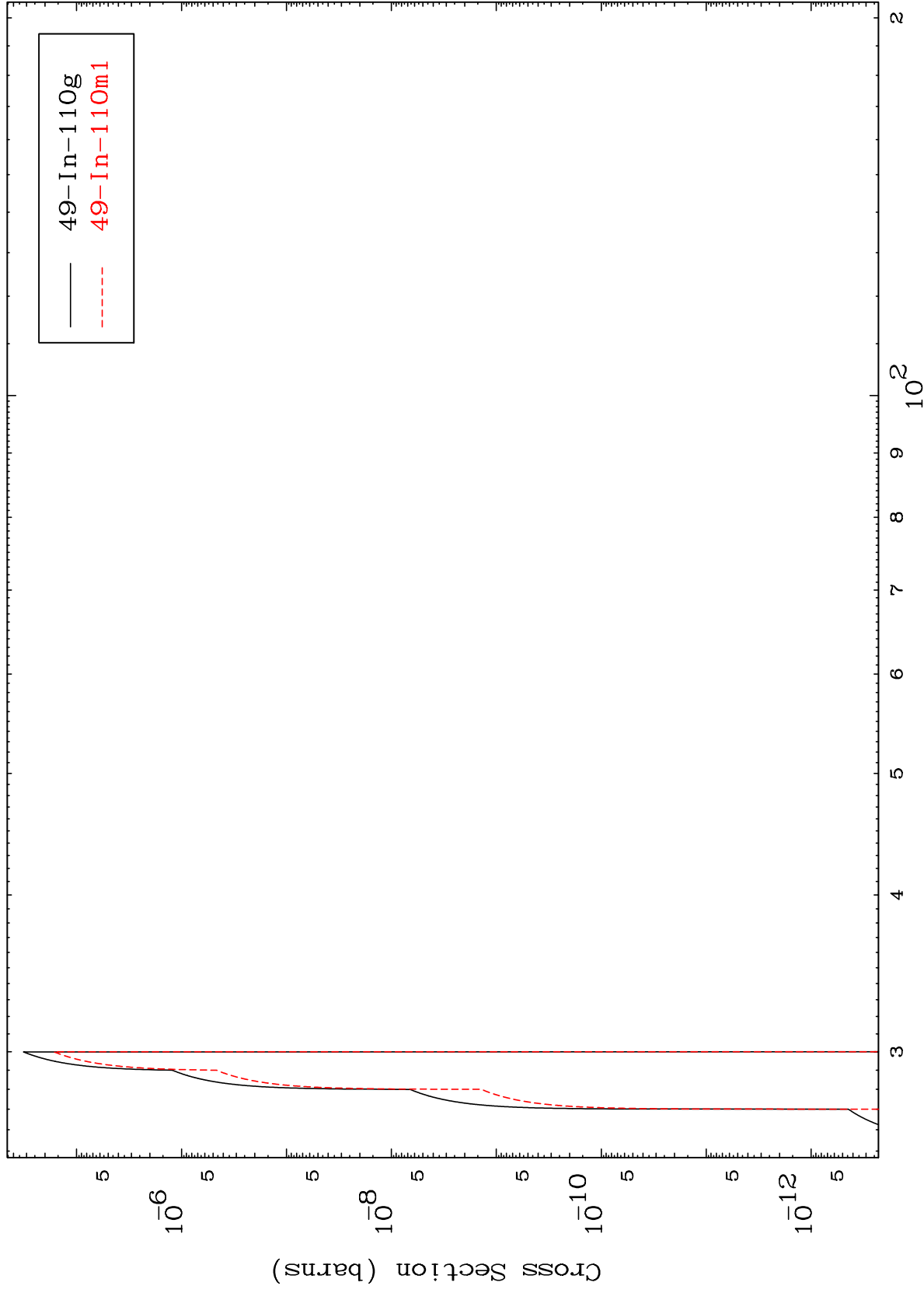


MAT 5029

(n,3n) p

50-Sn-113m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

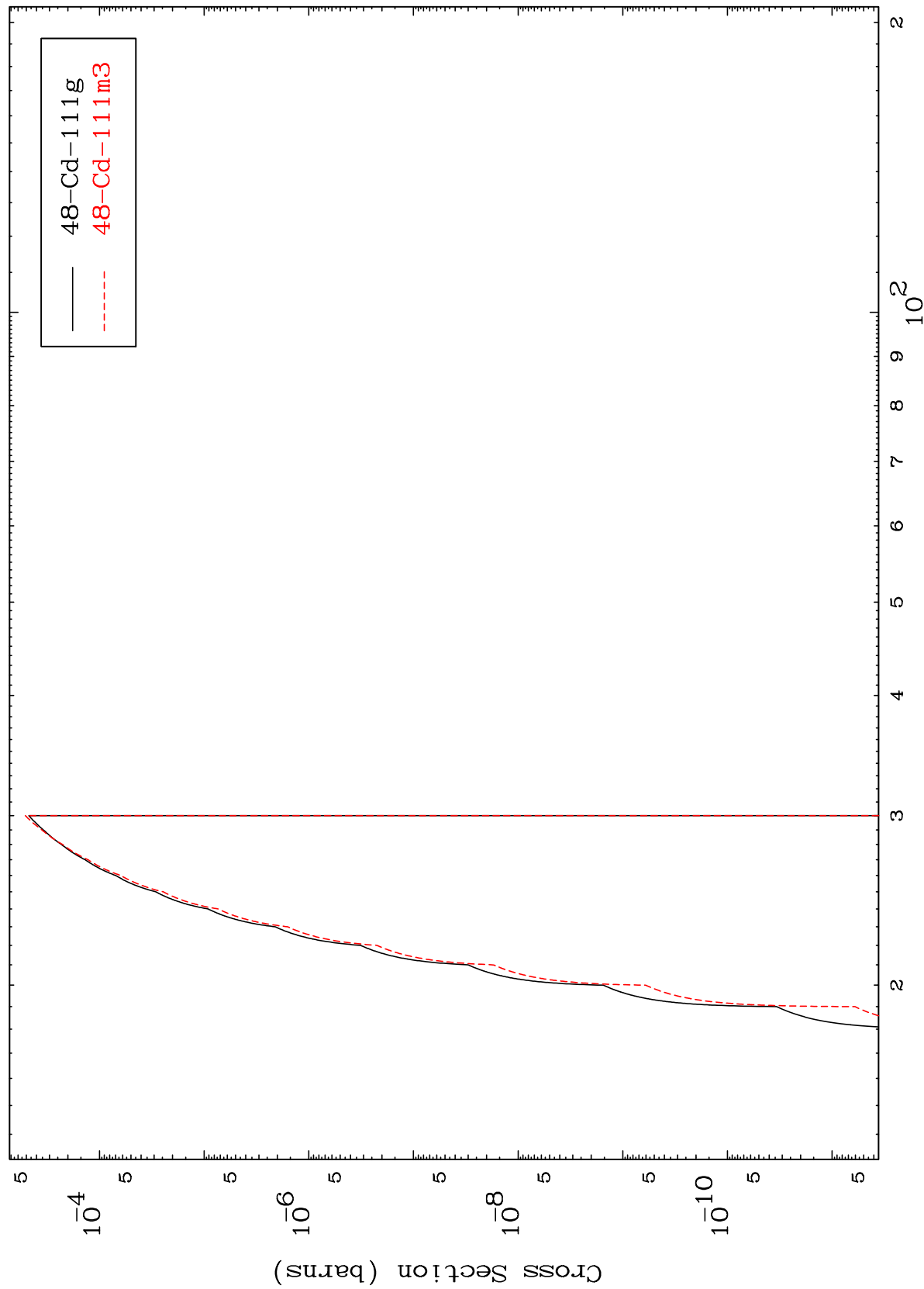
50-Sn-113m

MAT 5029

(n,2n) p

50-Sn-113m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

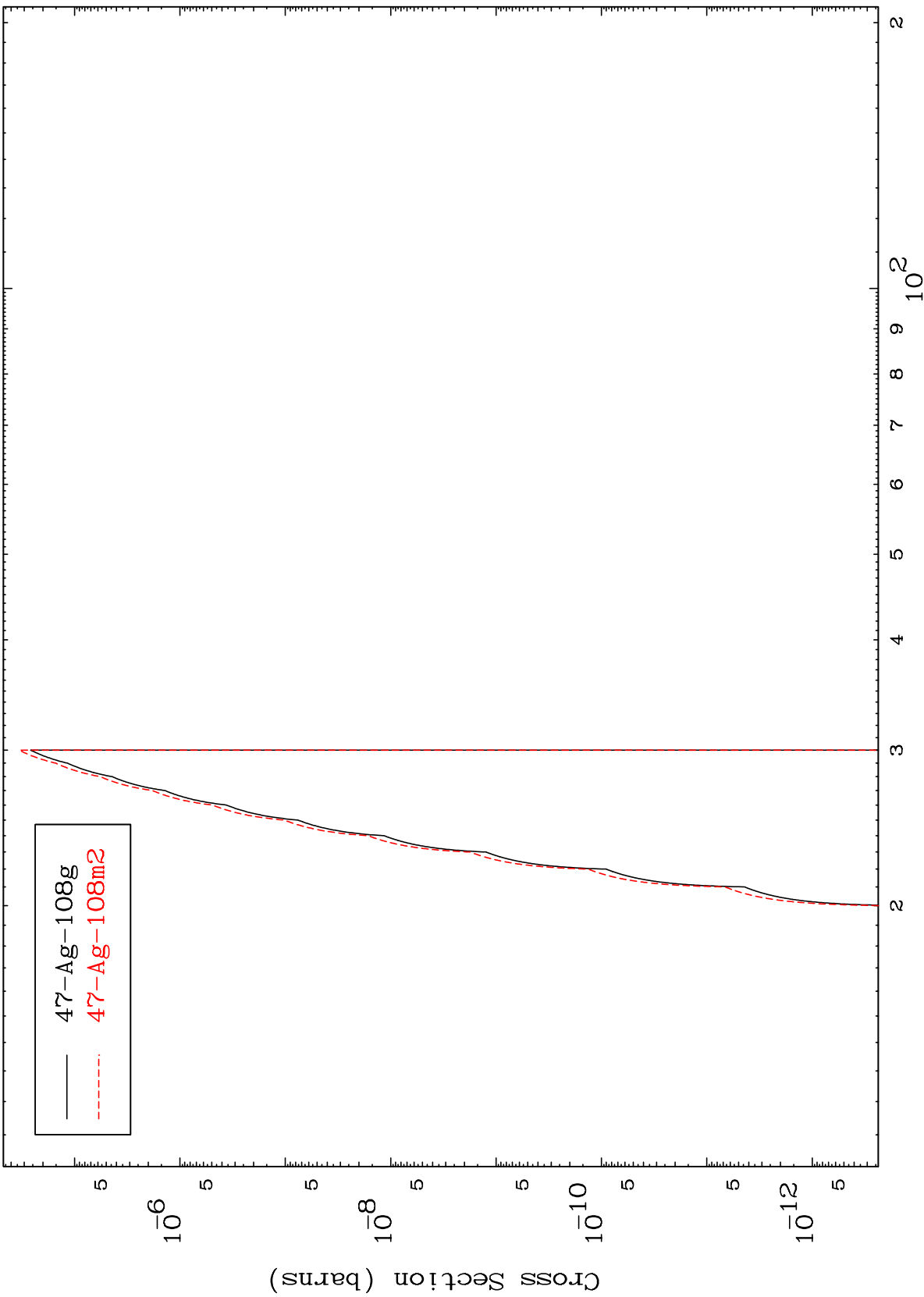
50-Sn-113m

MAT 5029

(n,n') p  $\alpha$

50-Sn-113m

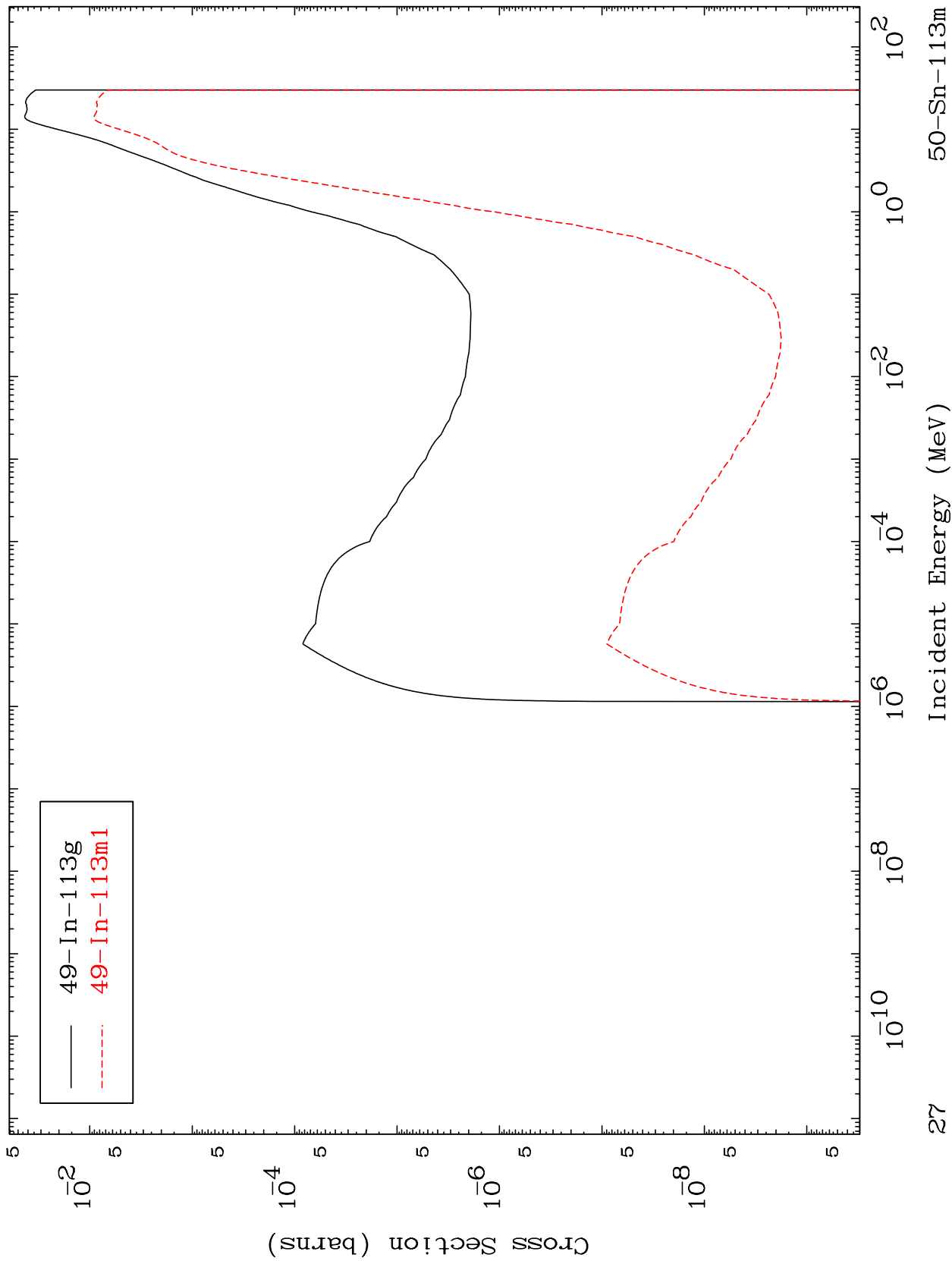
Radionuclide Production Cross Section



MAT 5029

(n,p)  
Radionuclide Production Cross Section

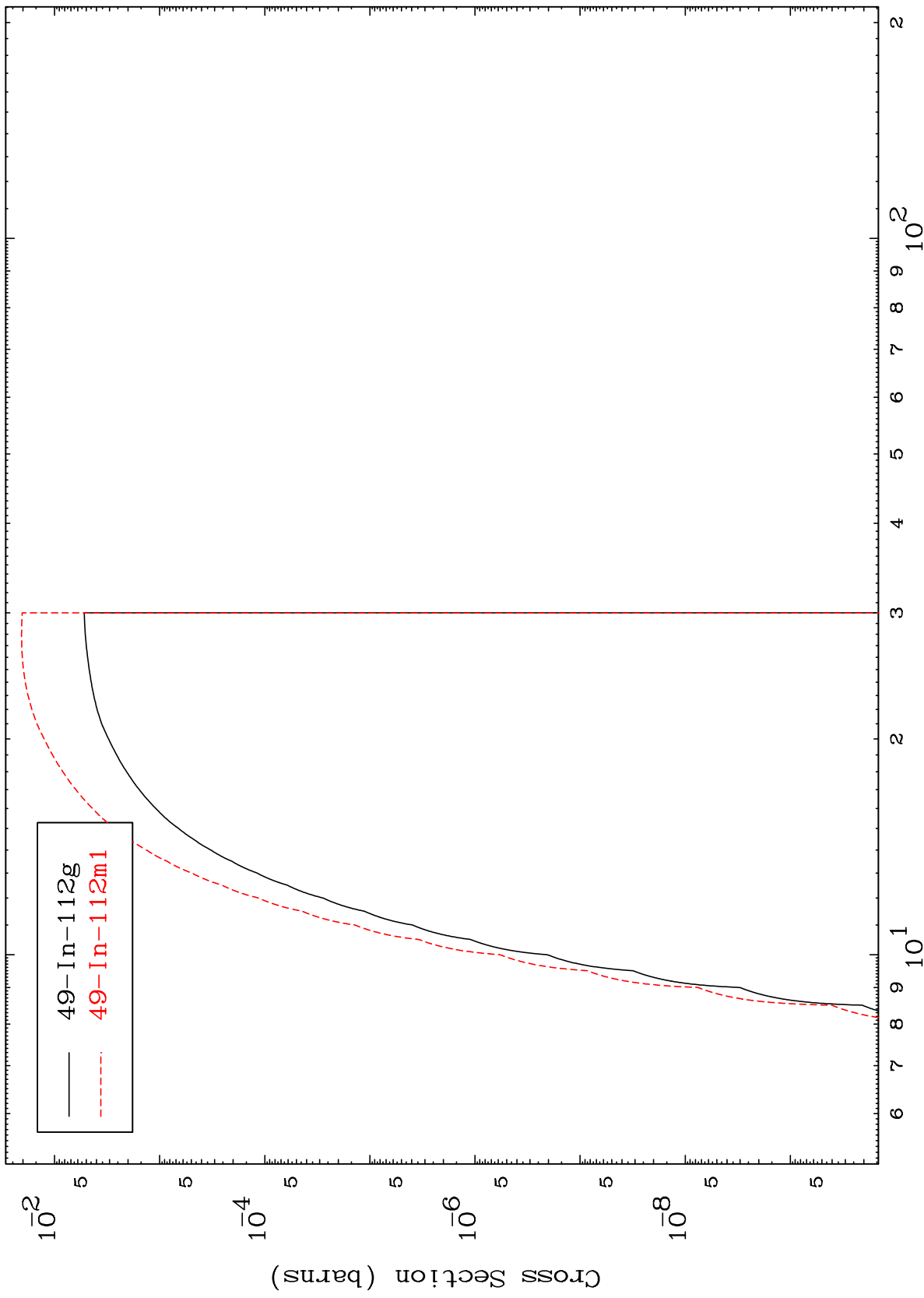
50-Sn-113m



MAT 5029

50-Sn-113m

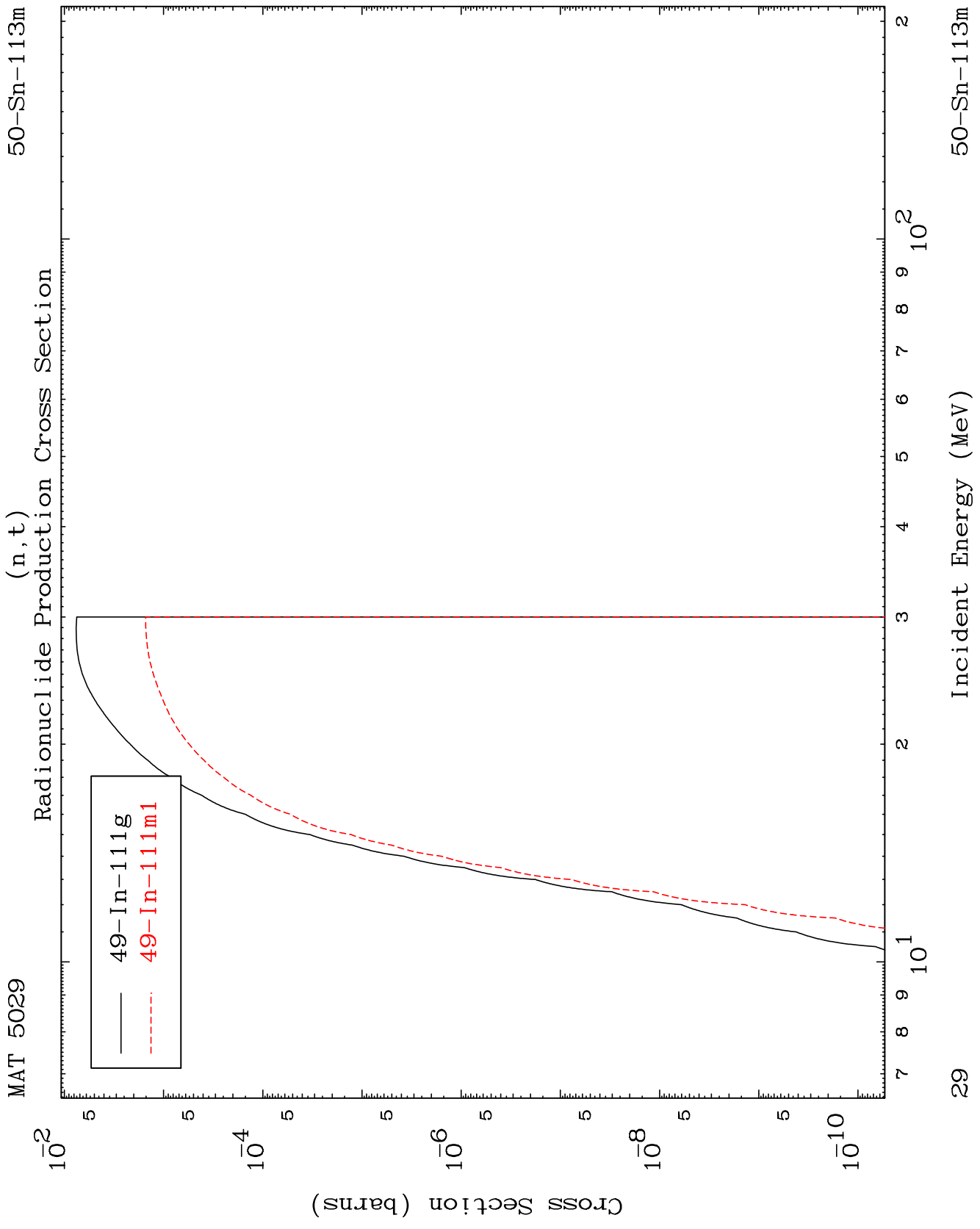
(n,d)  
Radionuclide Production Cross Section



50-Sn-113m

Incident Energy (MeV)

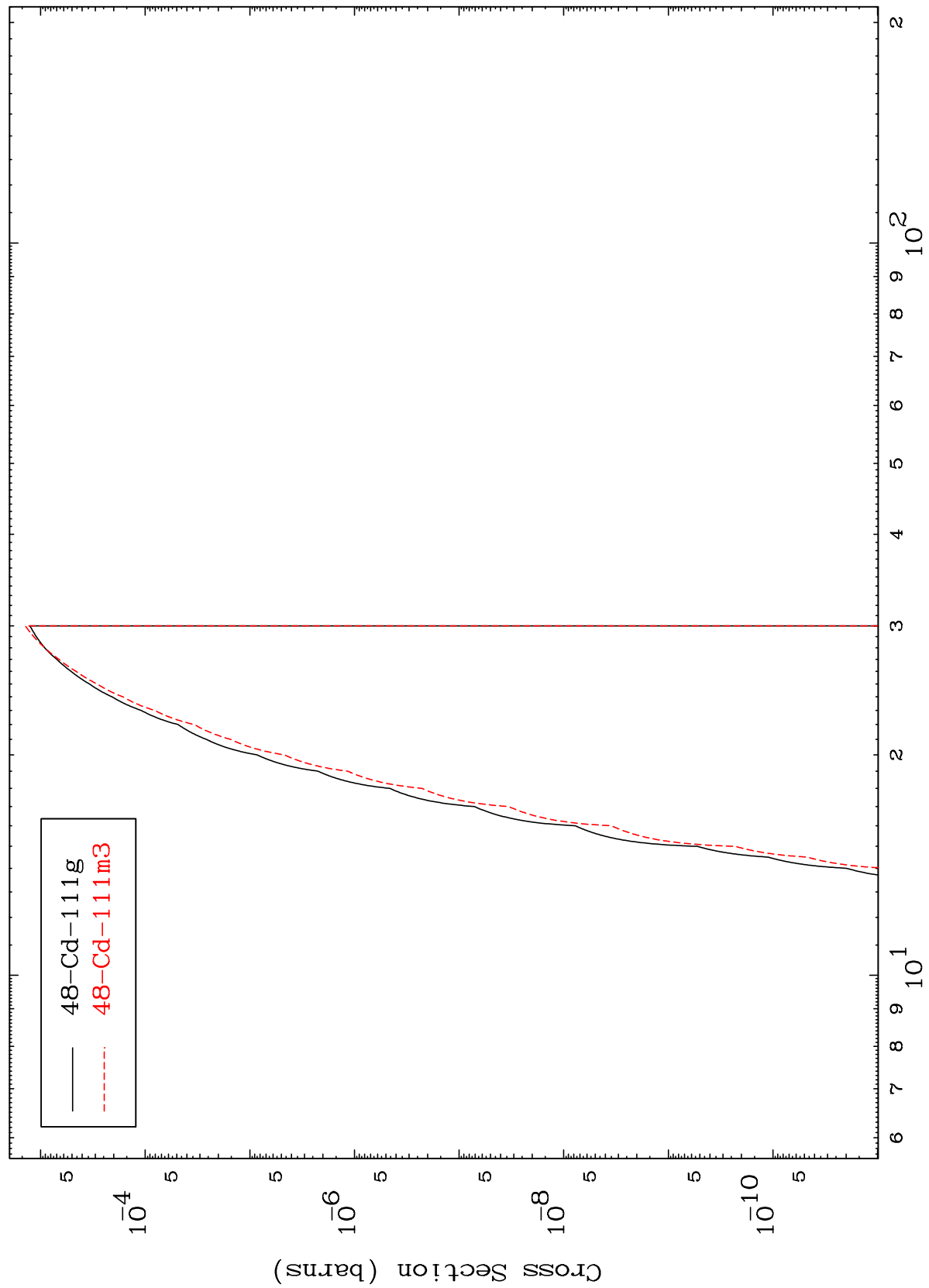
28



MAT 5029

50-Sn-113m

Radionuclide Production Cross Section  
(n,He-3)



— 48-Cd-111g  
- - - 48-Cd-111m3

50-Sn-113m

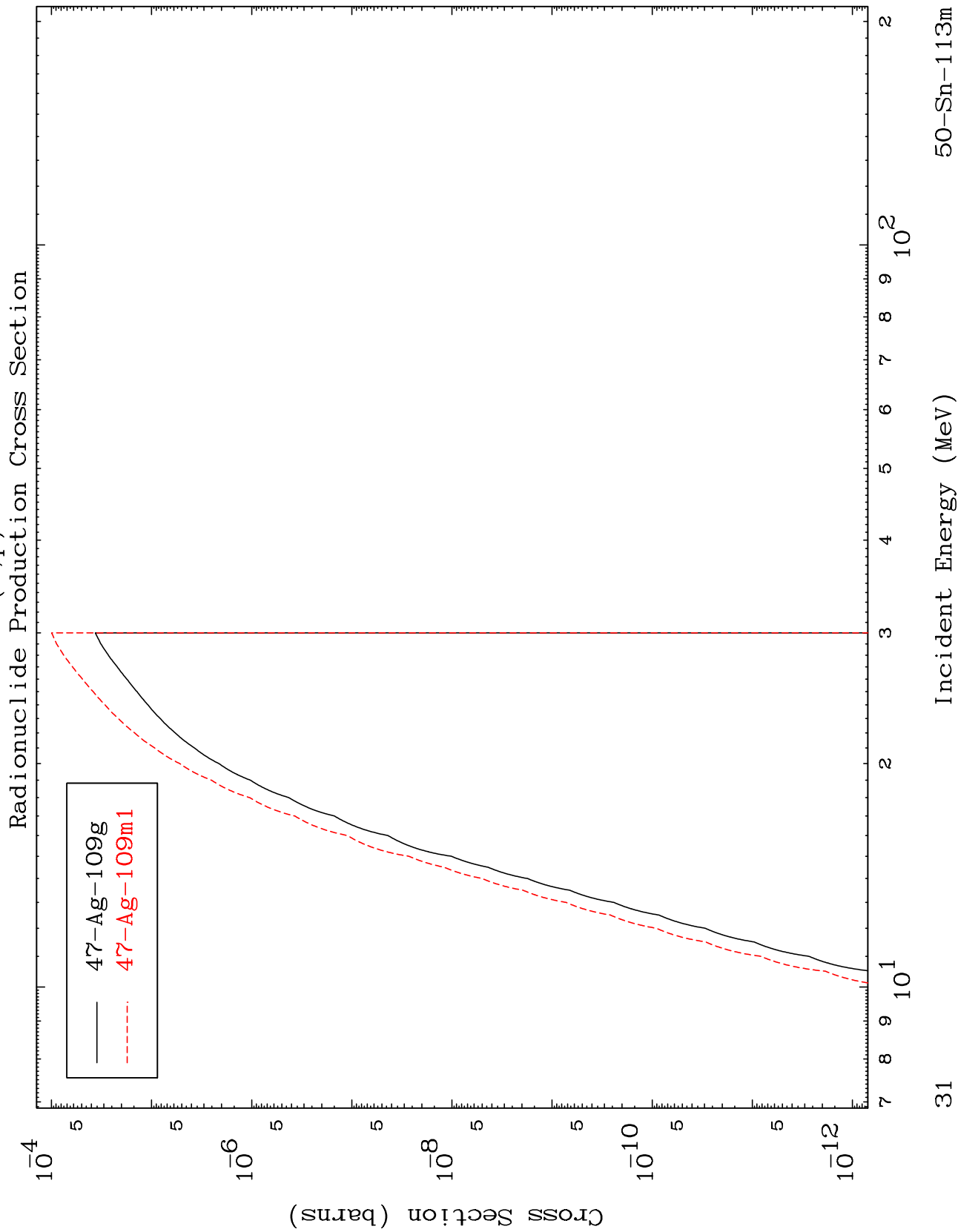
Incident Energy (MeV)

30

MAT 5029

(n,p)  $\alpha$

50-Sn-113m



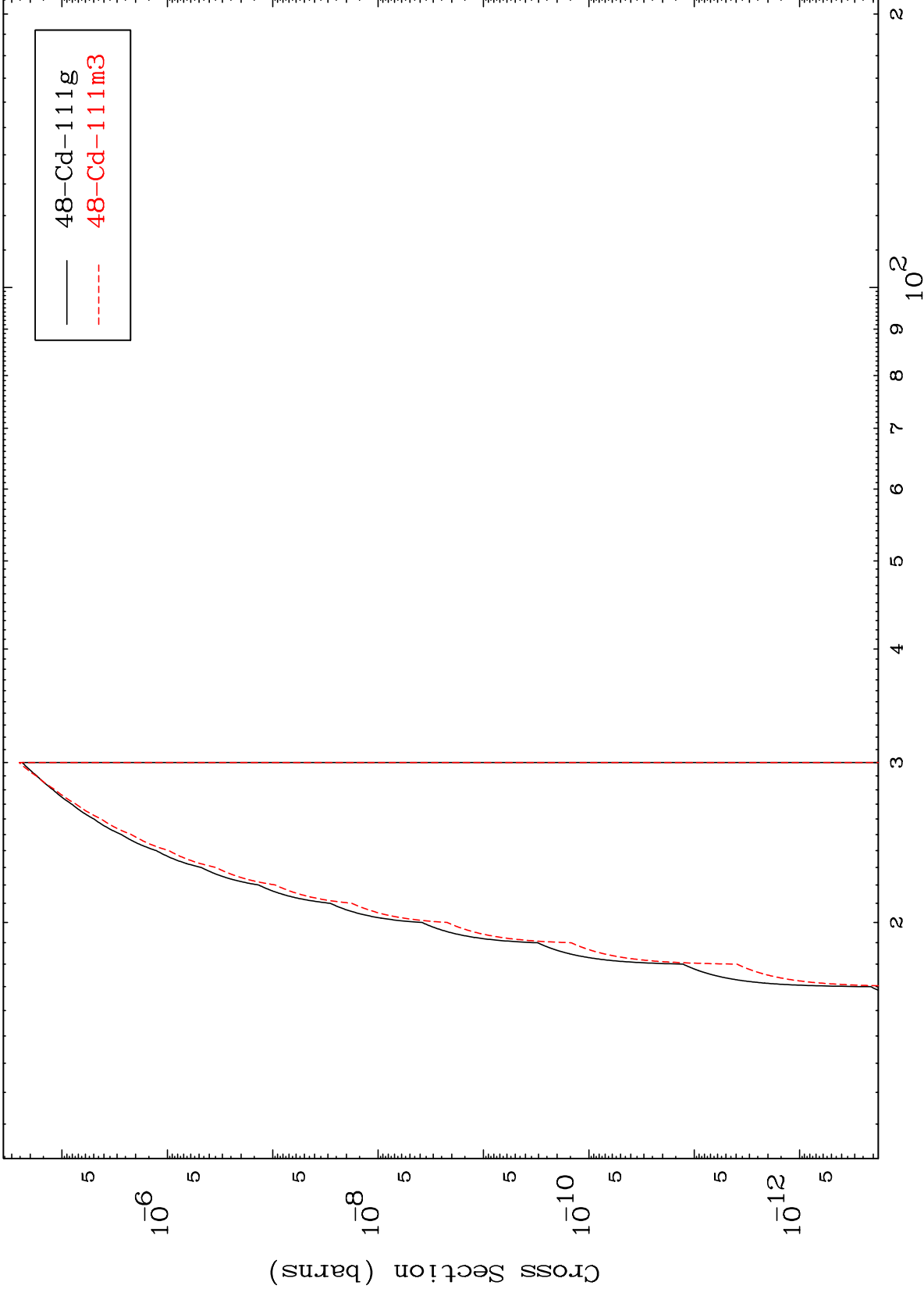


MAT 5029

(n,p) d

50-Sn-113m

Radionuclide Production Cross Section

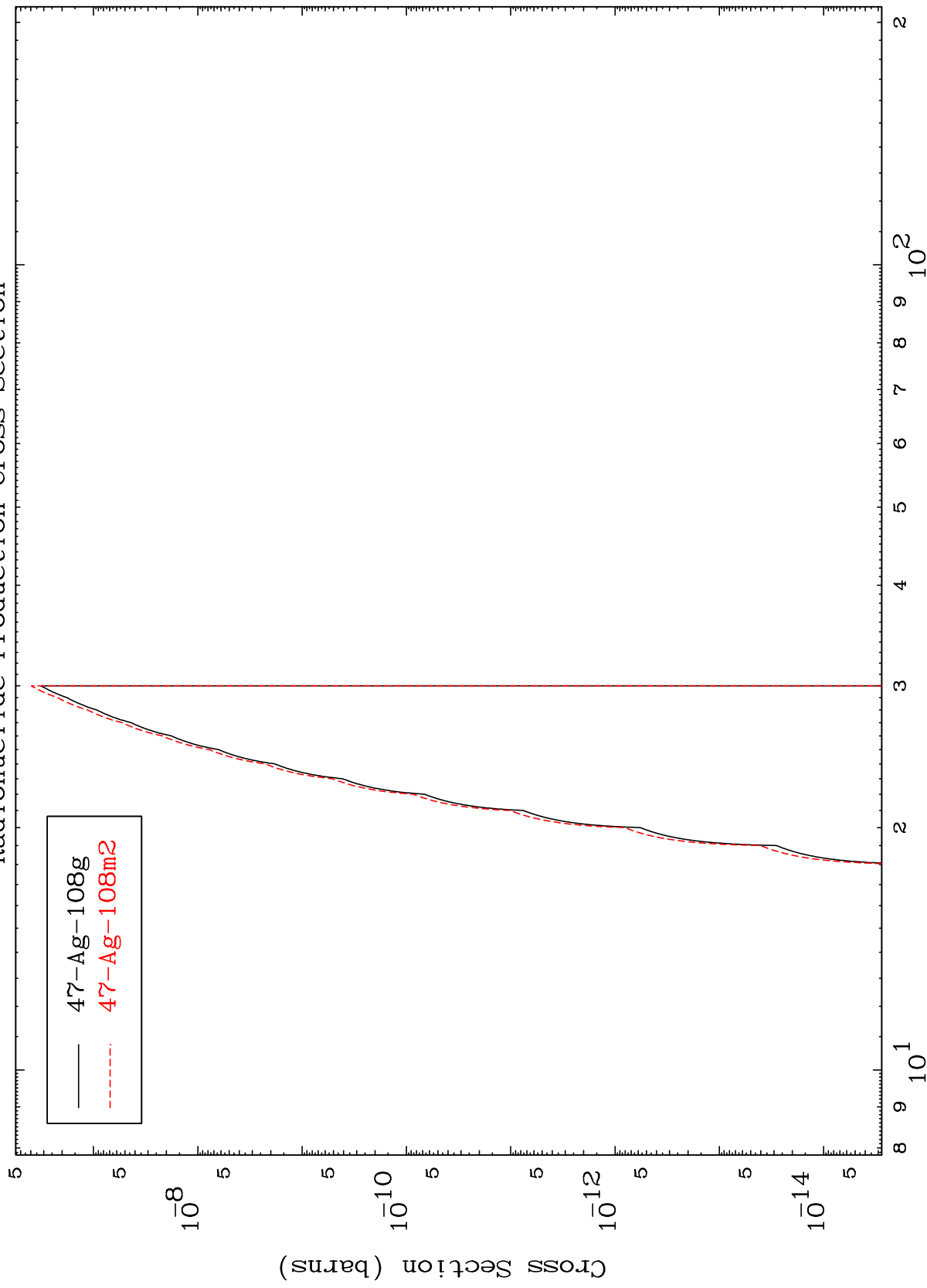


MAT 5029

50-Sn-113m

(n,d)  $\alpha$

Radionuclide Production Cross Section



33

Incident Energy (MeV)

50-Sn-113m