

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

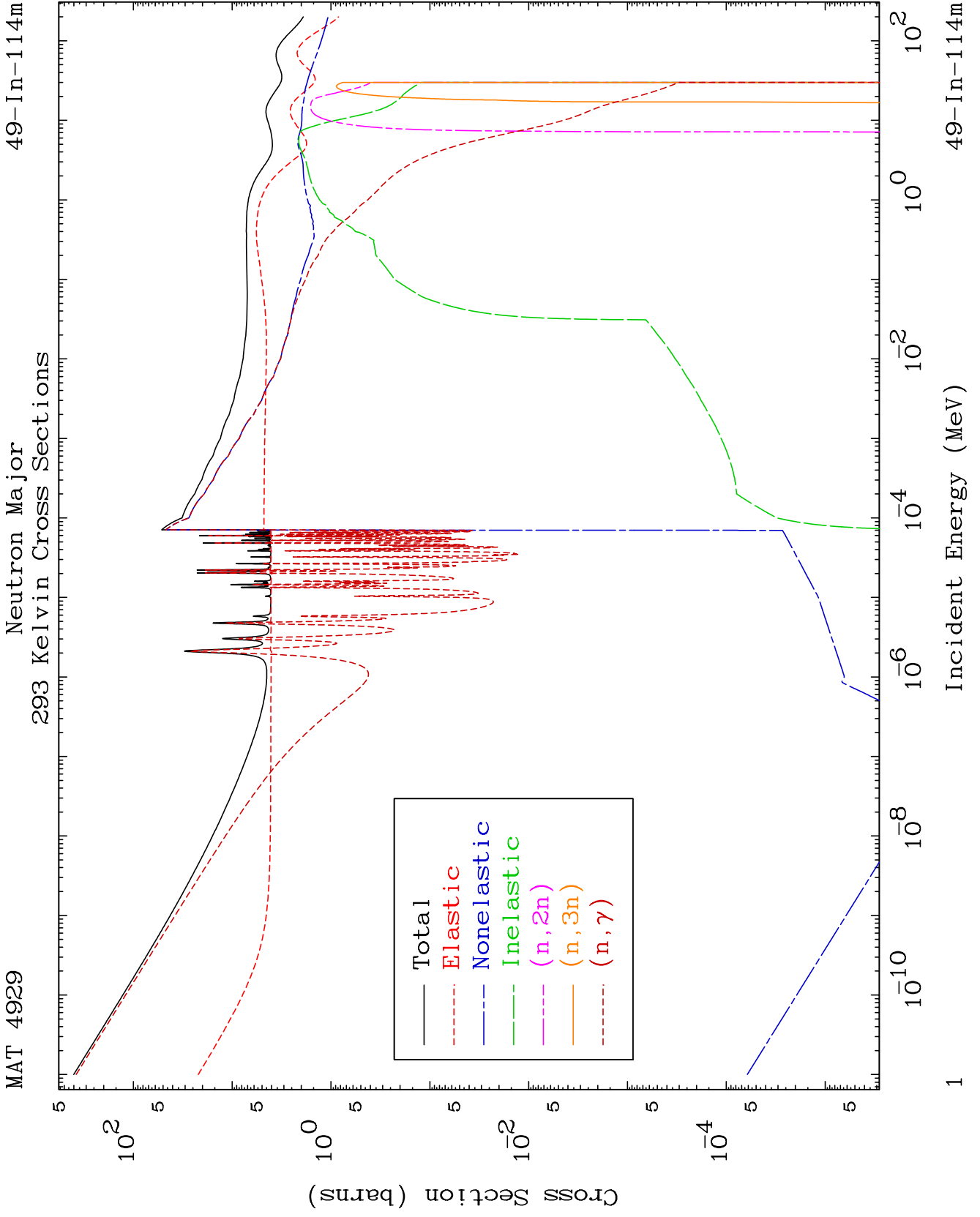
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1466 Hudson Way  
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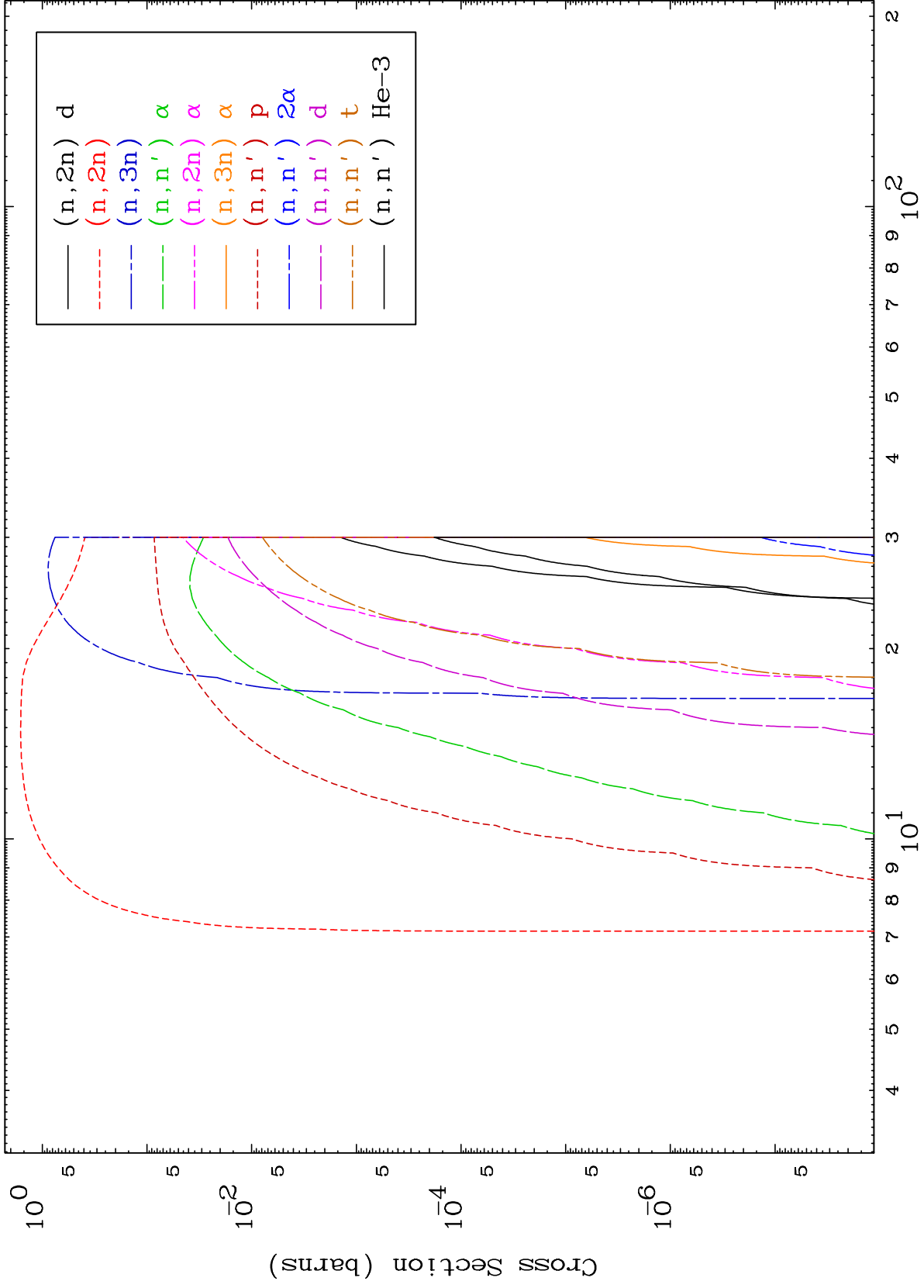
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

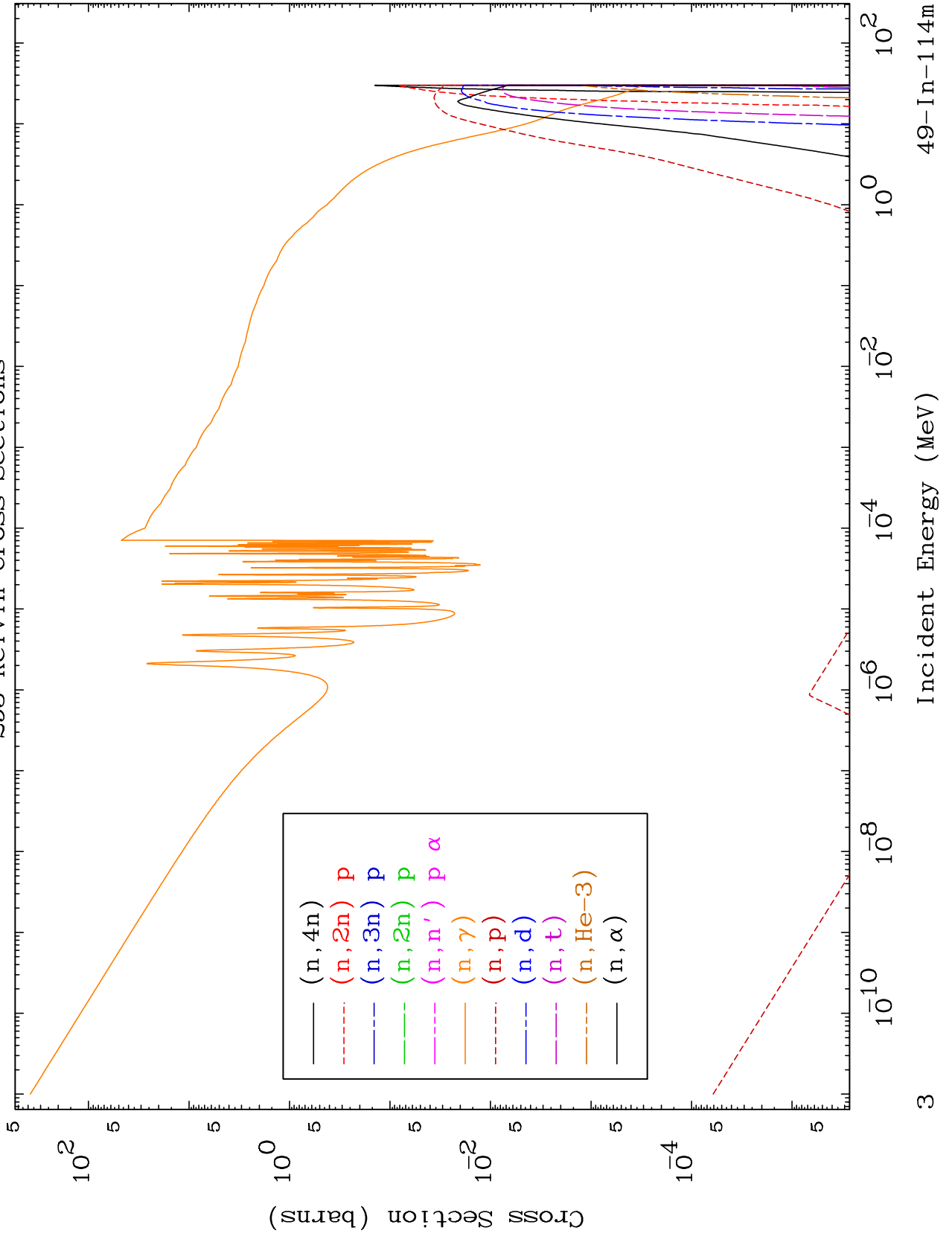




MAT 4929

Neutron Absorption  
293 Kelvin Cross Sections

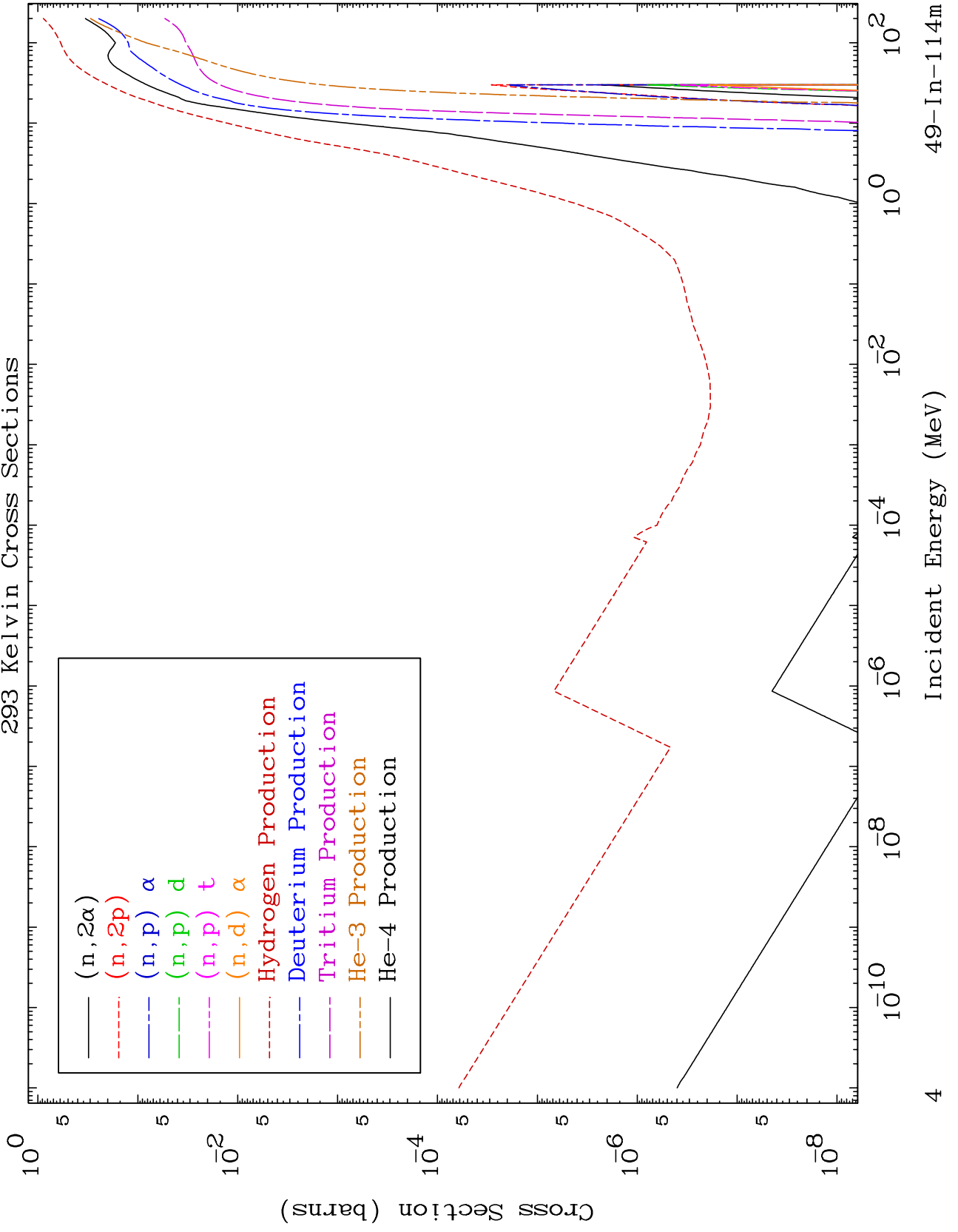
49-In-114m



MAT 4929

Neutron Absorption  
293 Kelvin Cross Sections

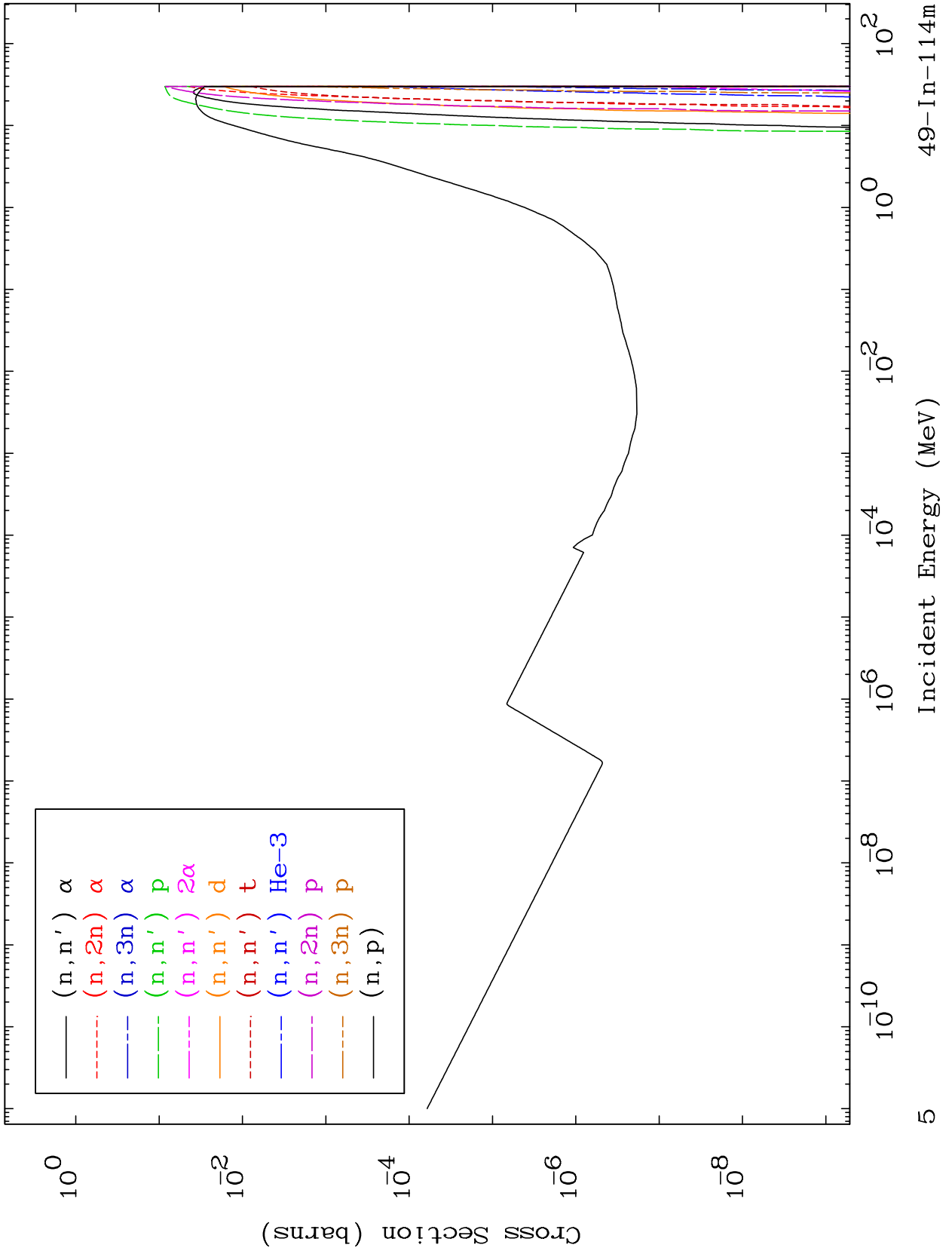
49-In-114m



MAT 4929

Charged Particle  
293 Kelvin Cross Sections

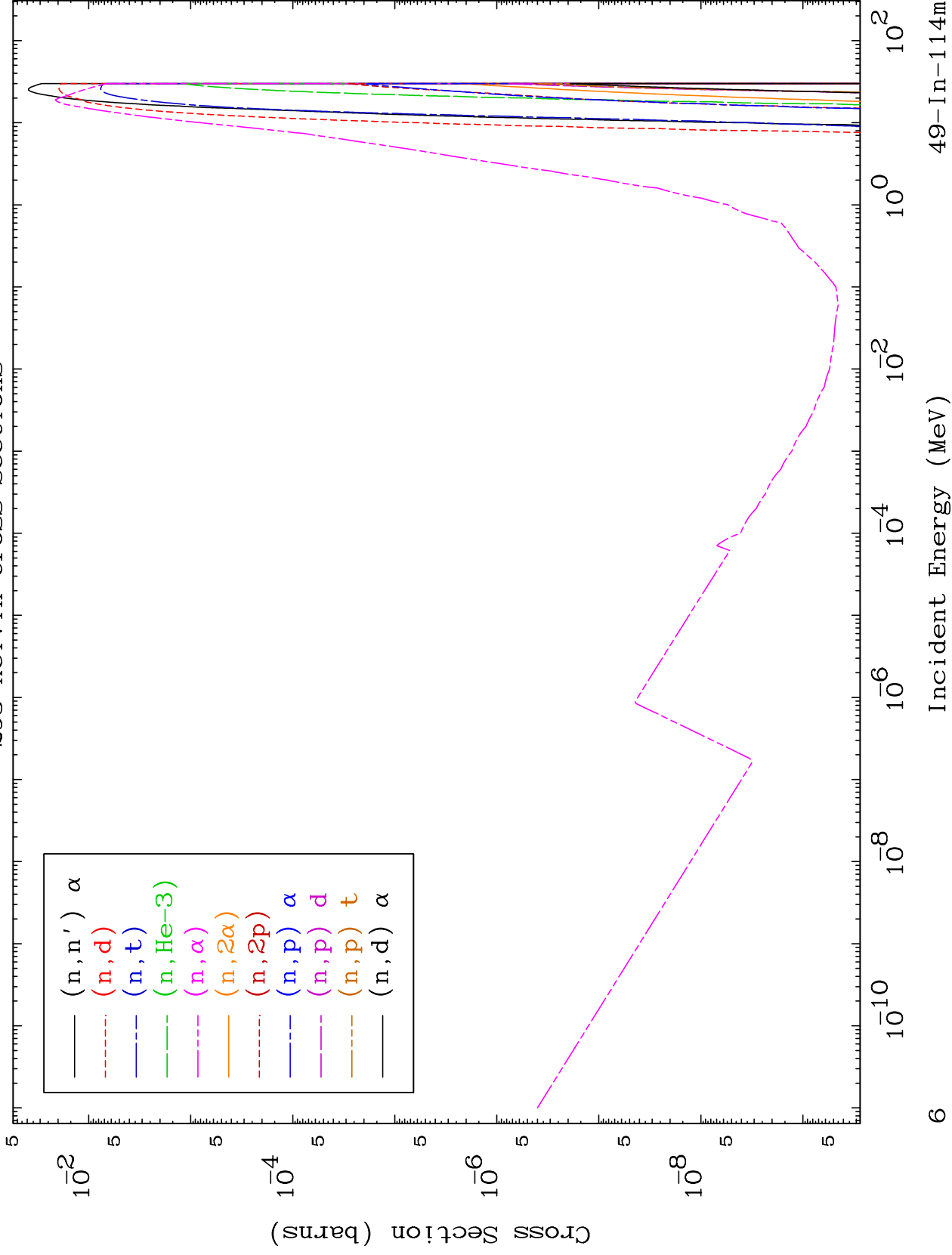
49-In-114m



MAT 4929

Charged Particle  
293 Kelvin Cross Sections

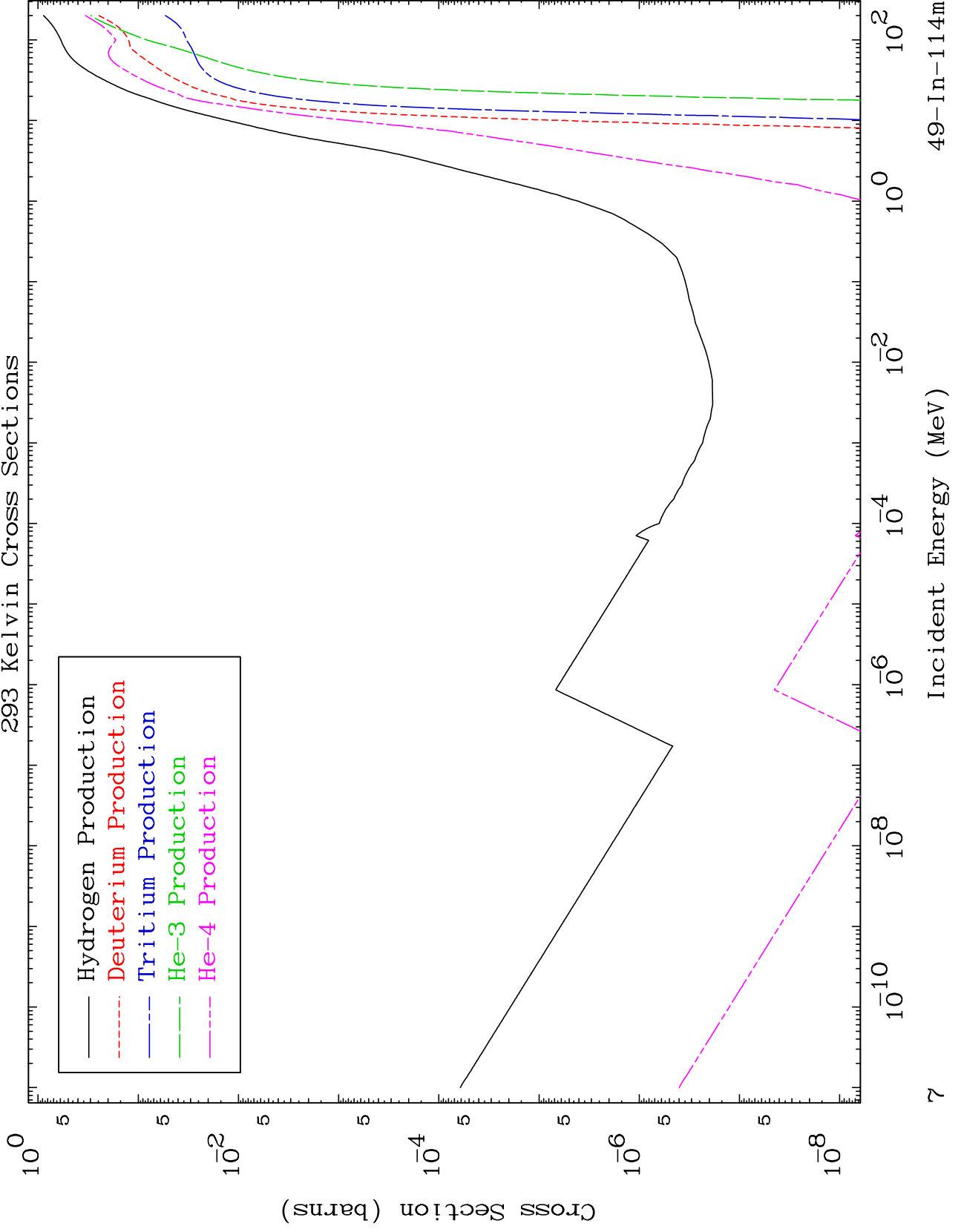
49-In-114m



MAT 4929

Particle Production  
293 Kelvin Cross Sections

49-In-114m

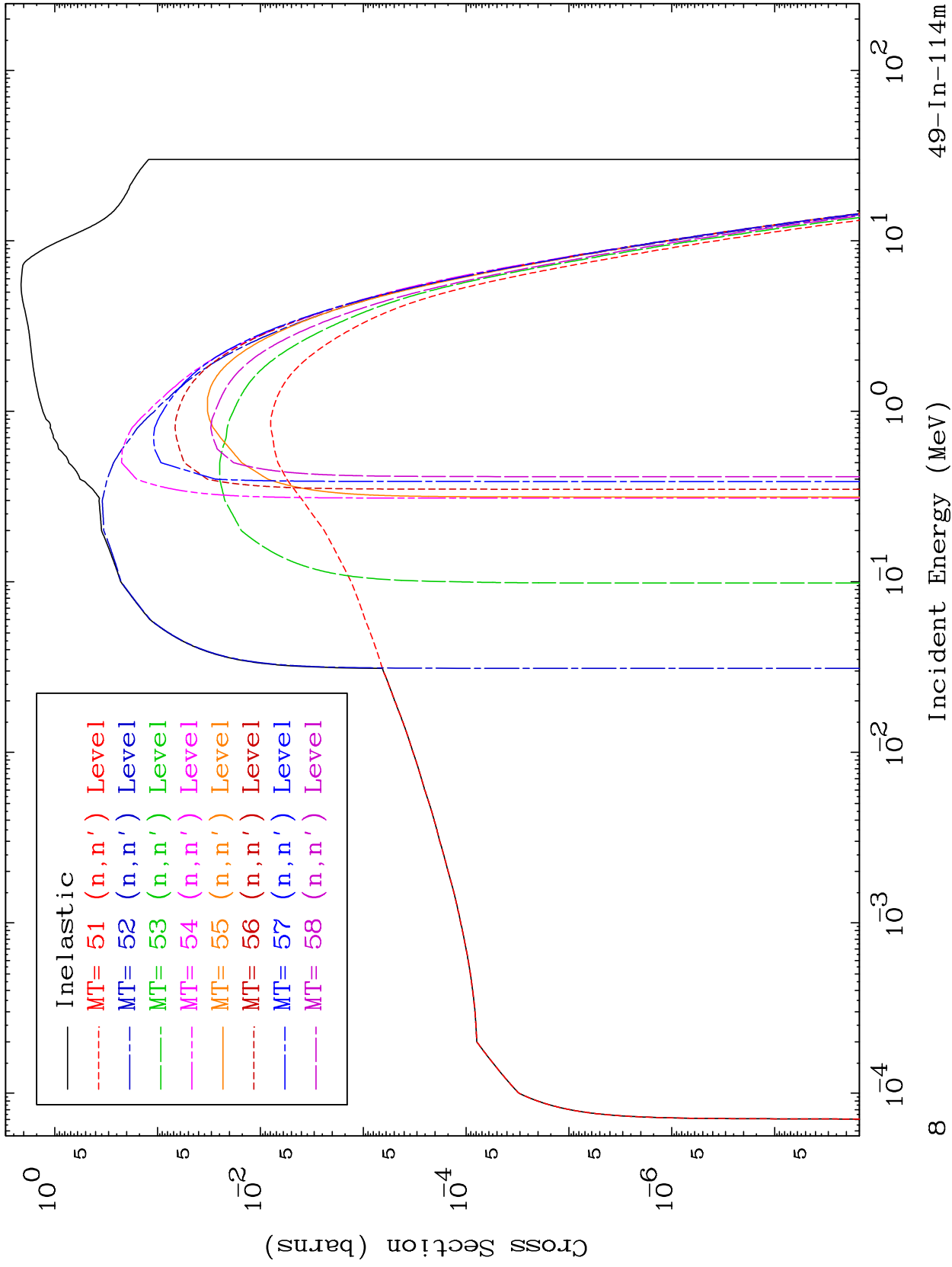




MAT 4929

(n,n') Levels  
293 Kelvin Cross Sections

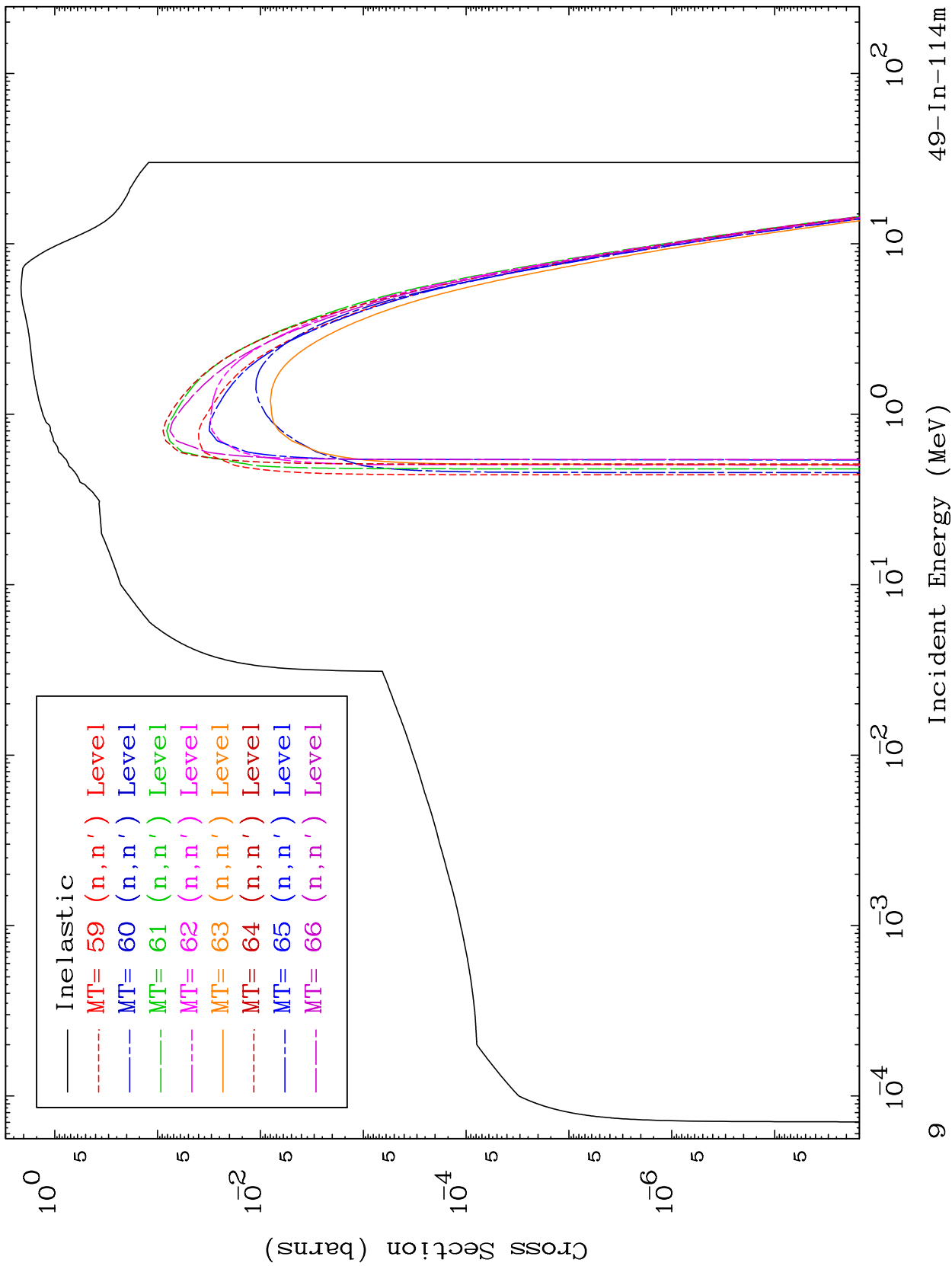
49-In-114m



MAT 4929

(n,n') Levels  
293 Kelvin Cross Sections

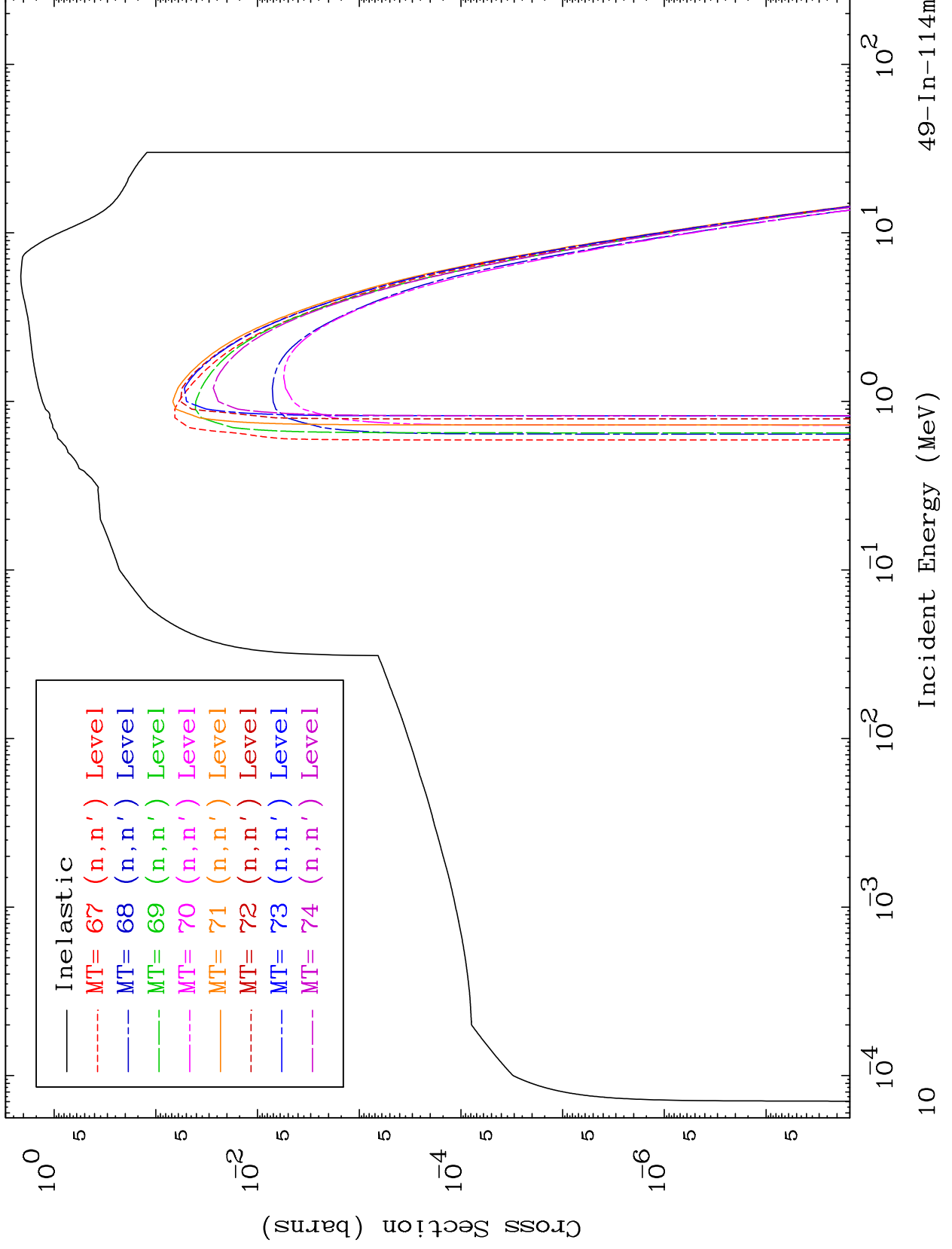
49-In-114m



MAT 4929

(n,n') Levels  
293 Kelvin Cross Sections

49-In-114m



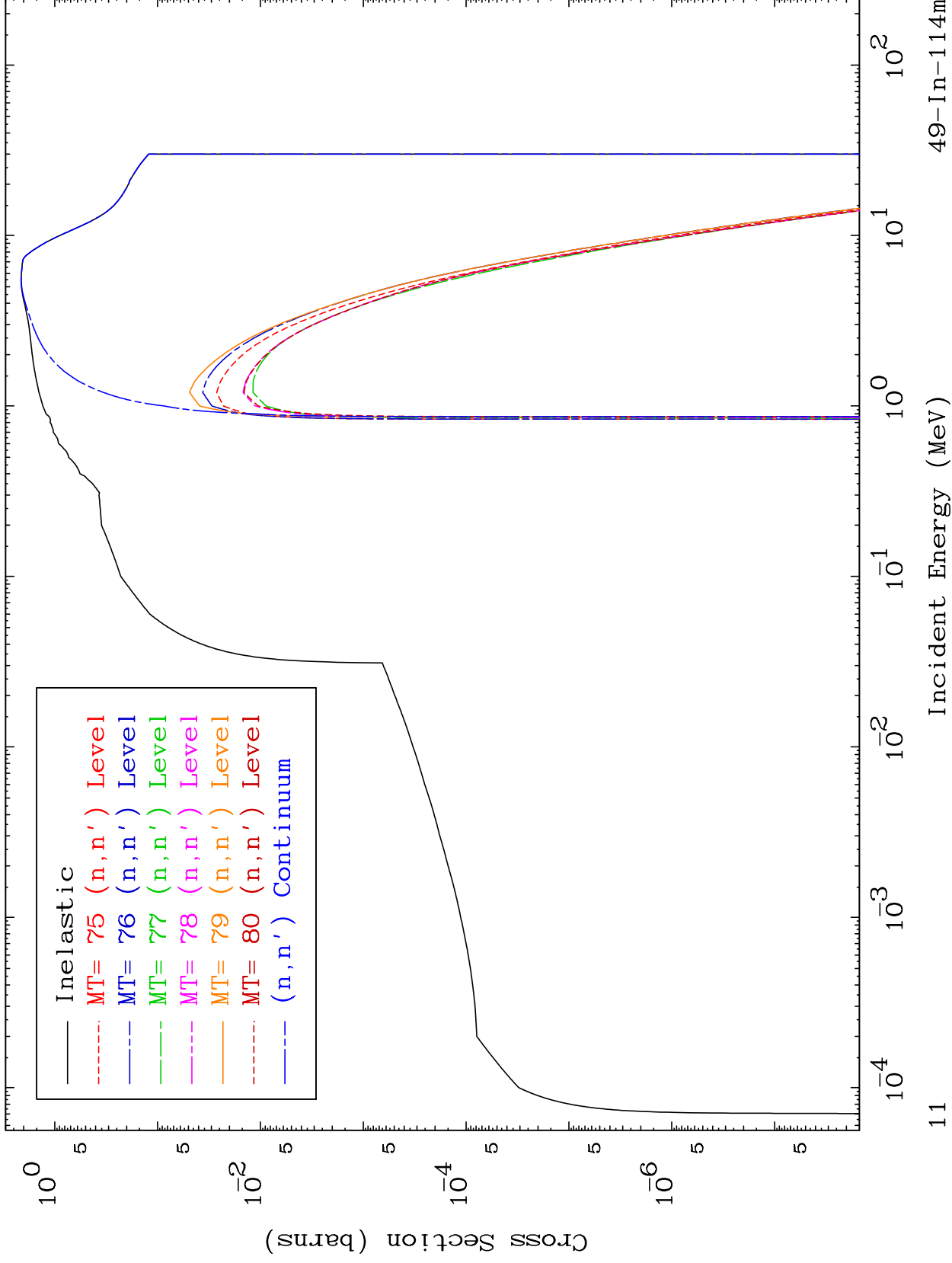
49-In-114m

Incident Energy (MeV)

MAT 4929

(n,n') Levels  
293 Kelvin Cross Sections

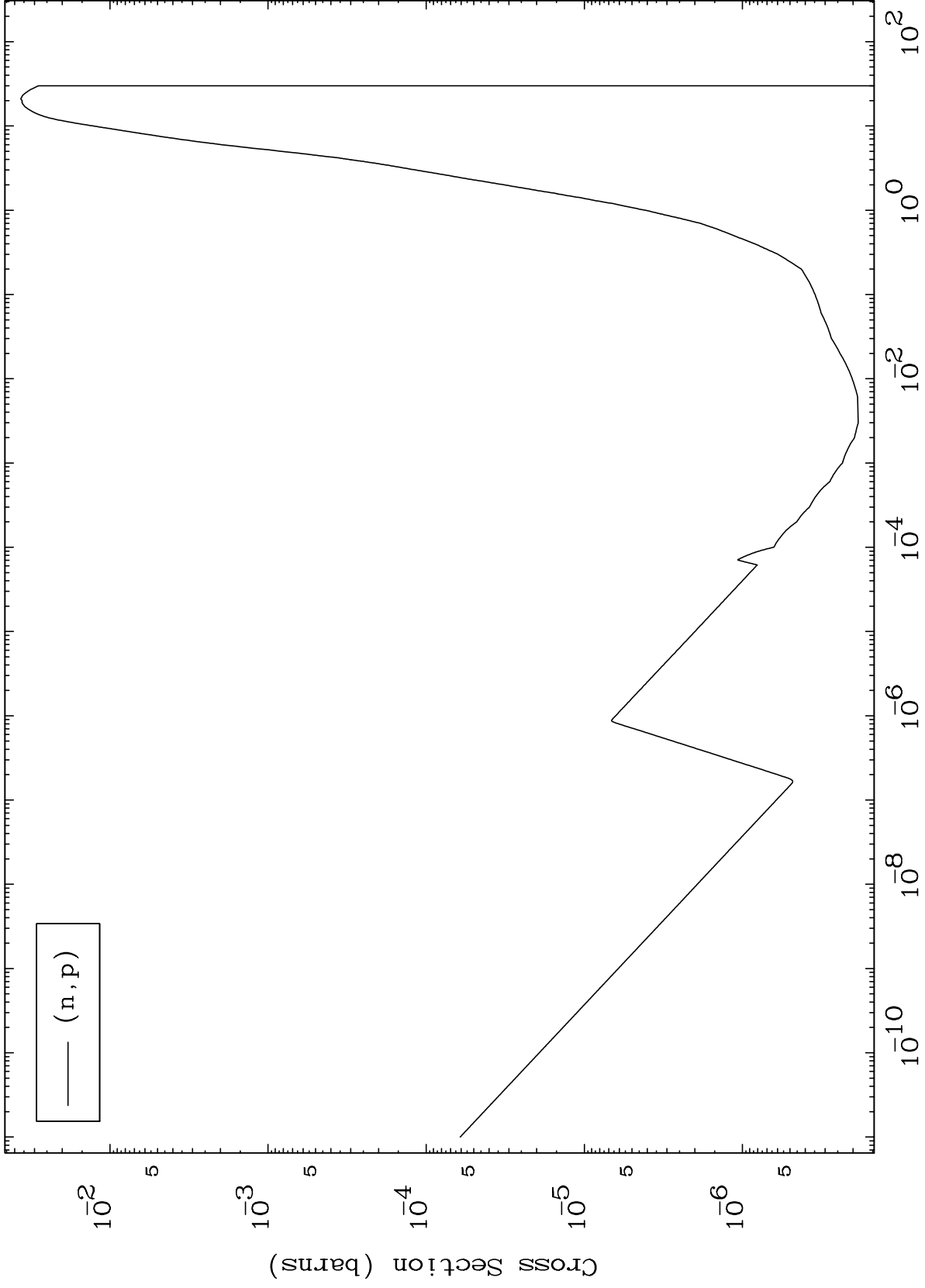
49-In-114m



MAT 4929

(n,p) Levels  
293 Kelvin Cross Sections

49-In-114m



(n,p)

49-In-114m

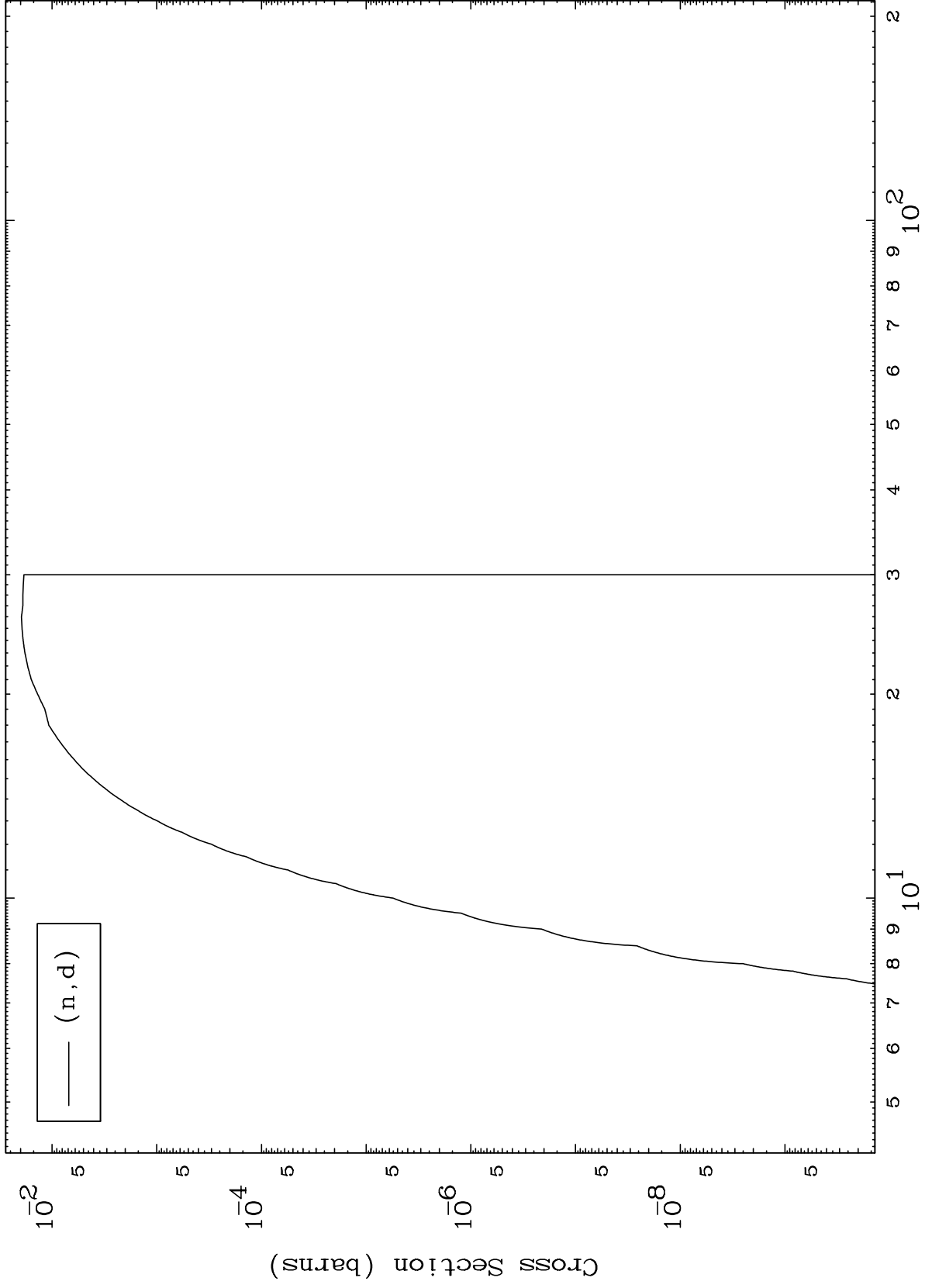
Incident Energy (MeV)

12

MAT 4929

(n,d) Levels  
293 Kelvin Cross Sections

49-In-114m



13

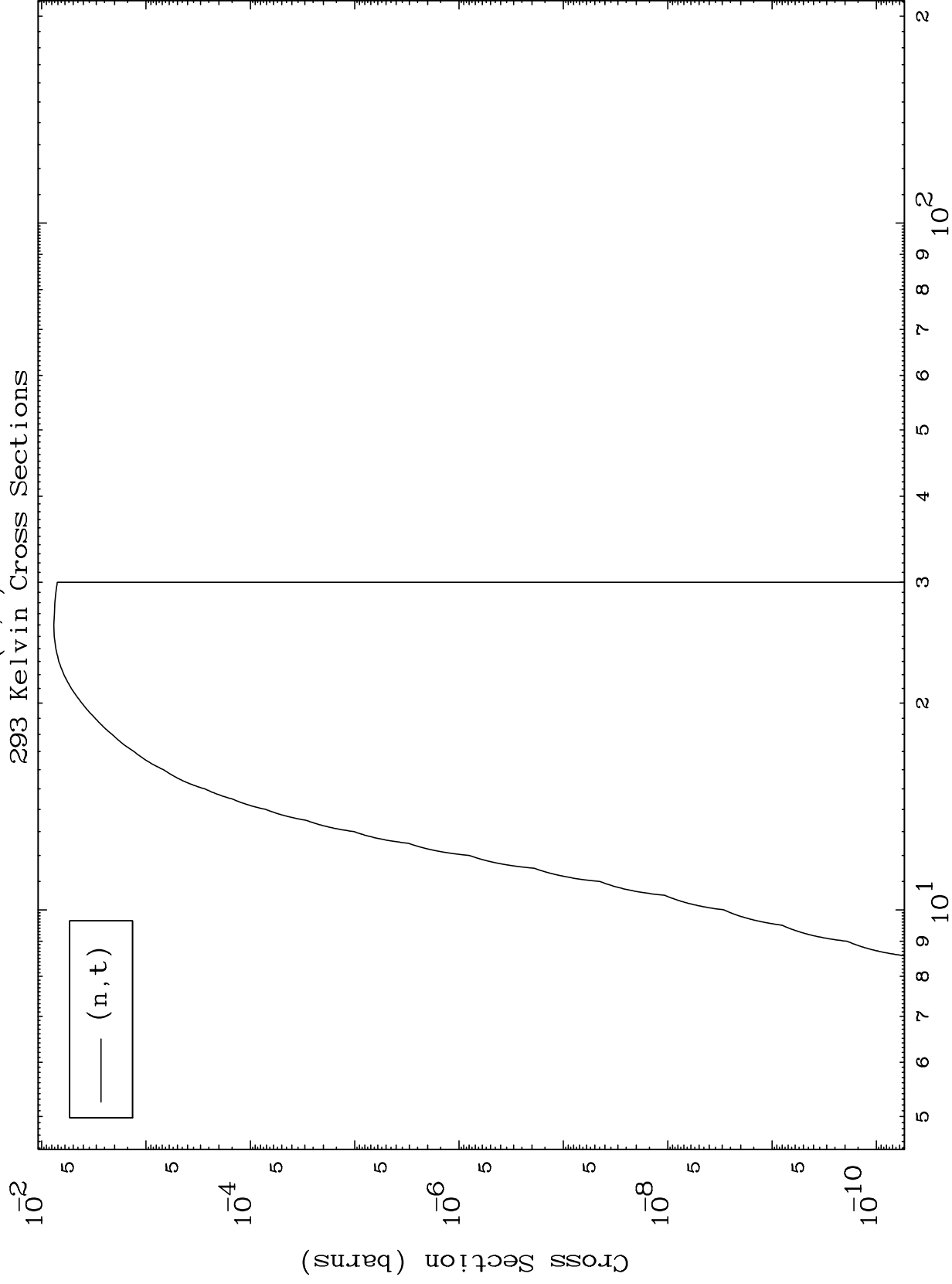
Incident Energy (MeV)

49-In-114m

MAT 4929

(n,t) Levels  
293 Kelvin Cross Sections

49-In-114m



14

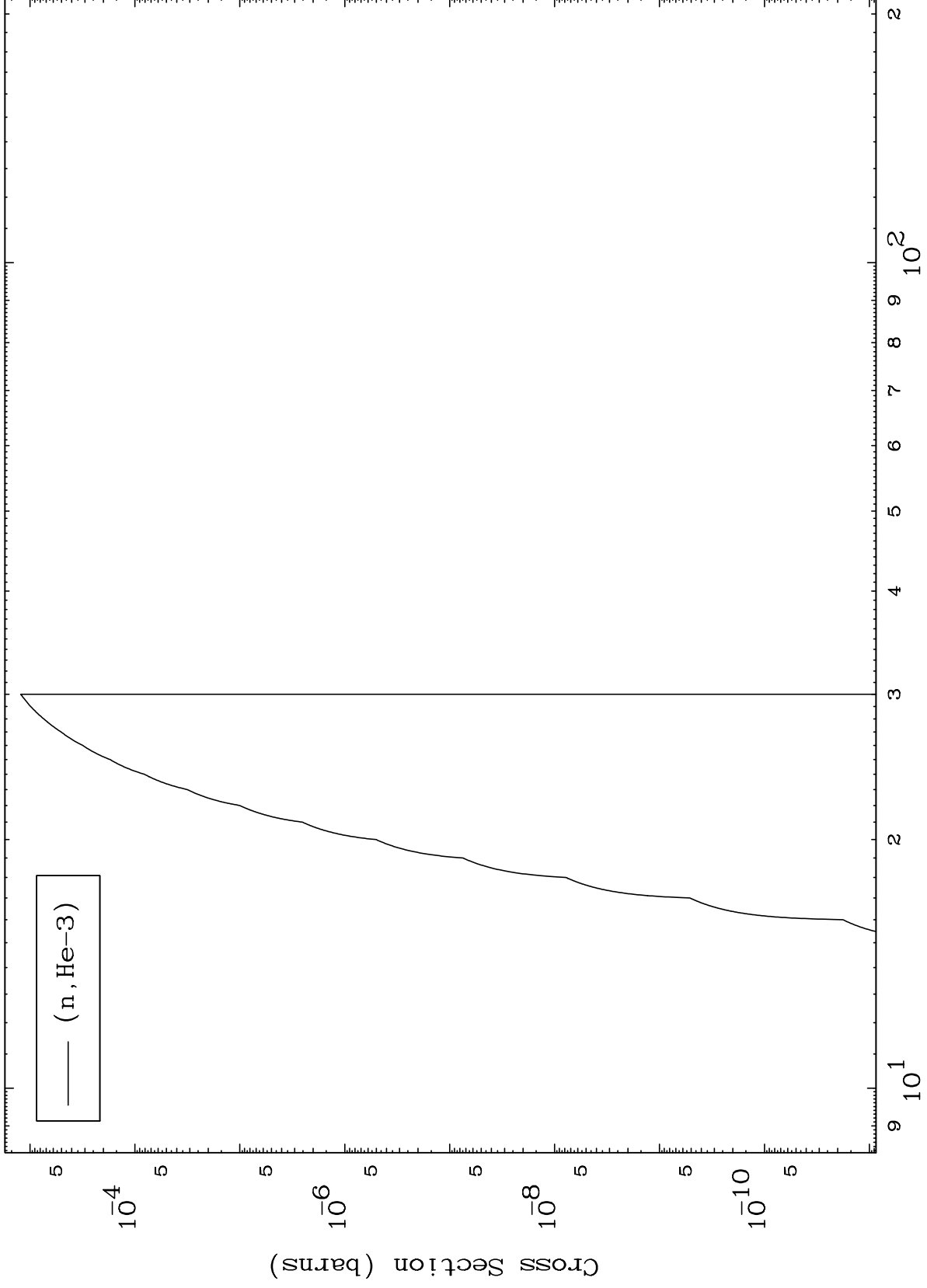
Incident Energy (MeV)

49-In-114m

MAT 4929

(n,He3) Levels  
293 Kelvin Cross Sections

49-In-114m



15

Incident Energy (MeV)

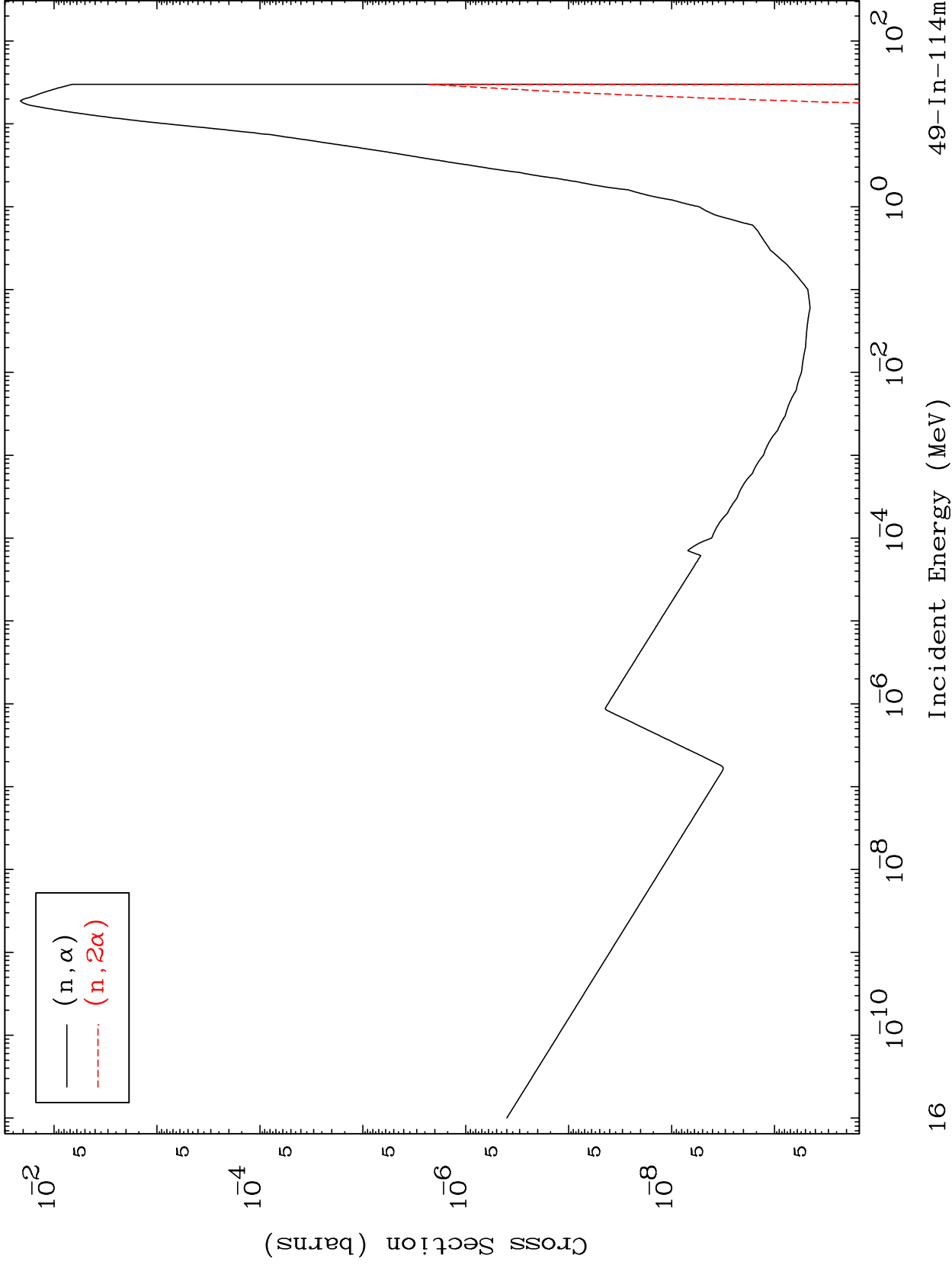
49-In-114m



MAT 4929

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

49-In-114m

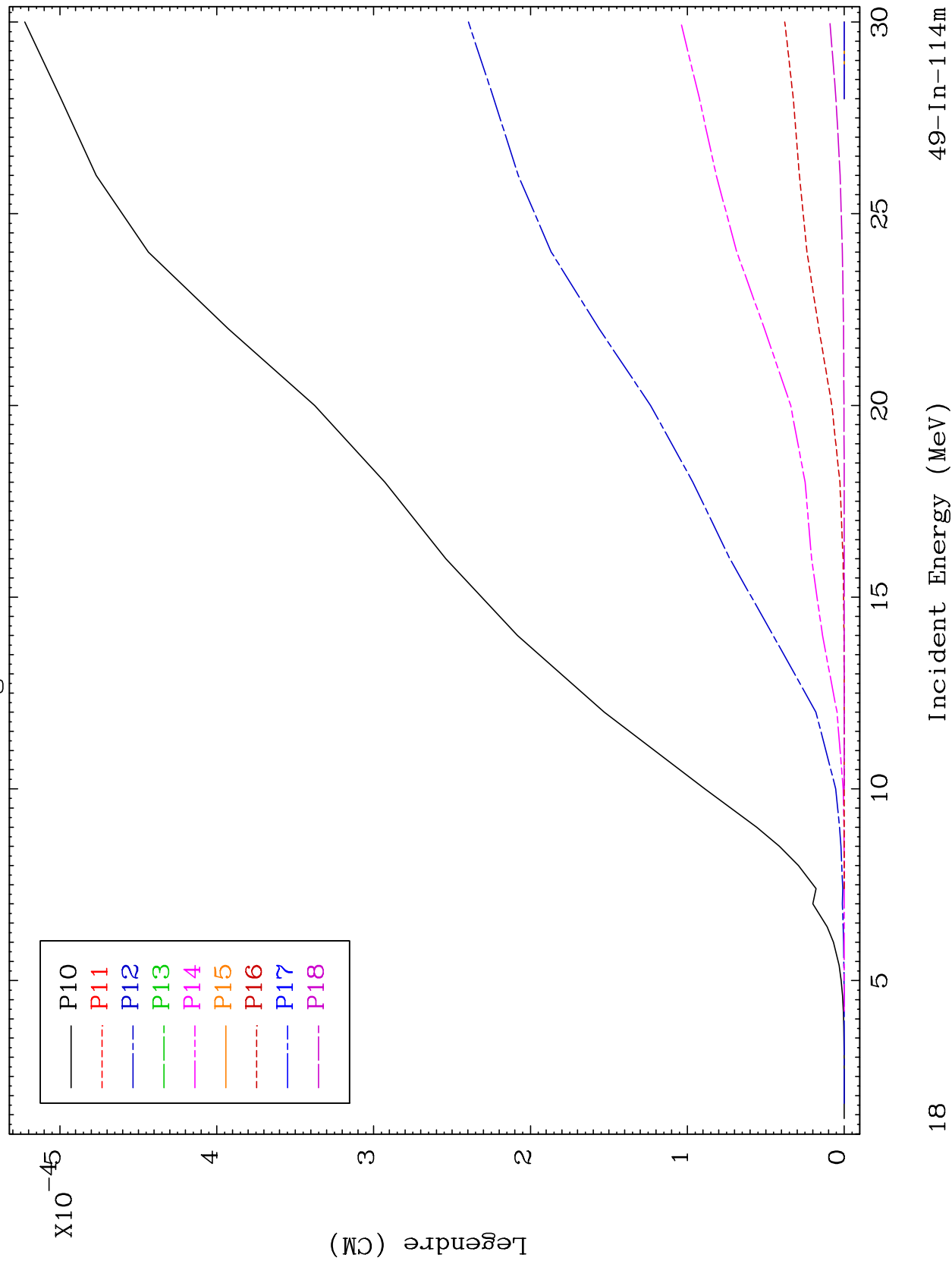




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Elastic Legendre Coefficients

49-In-114m



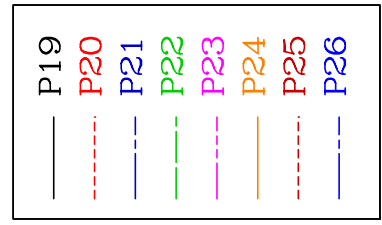
18

49-In-114m

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### Elastic Legendre Coefficients

49-In-114m



$\times 10^{-7}$

Legendre (CM)

4  
3  
2  
1  
0

15

20

25

30

19

Incident Energy (MeV)

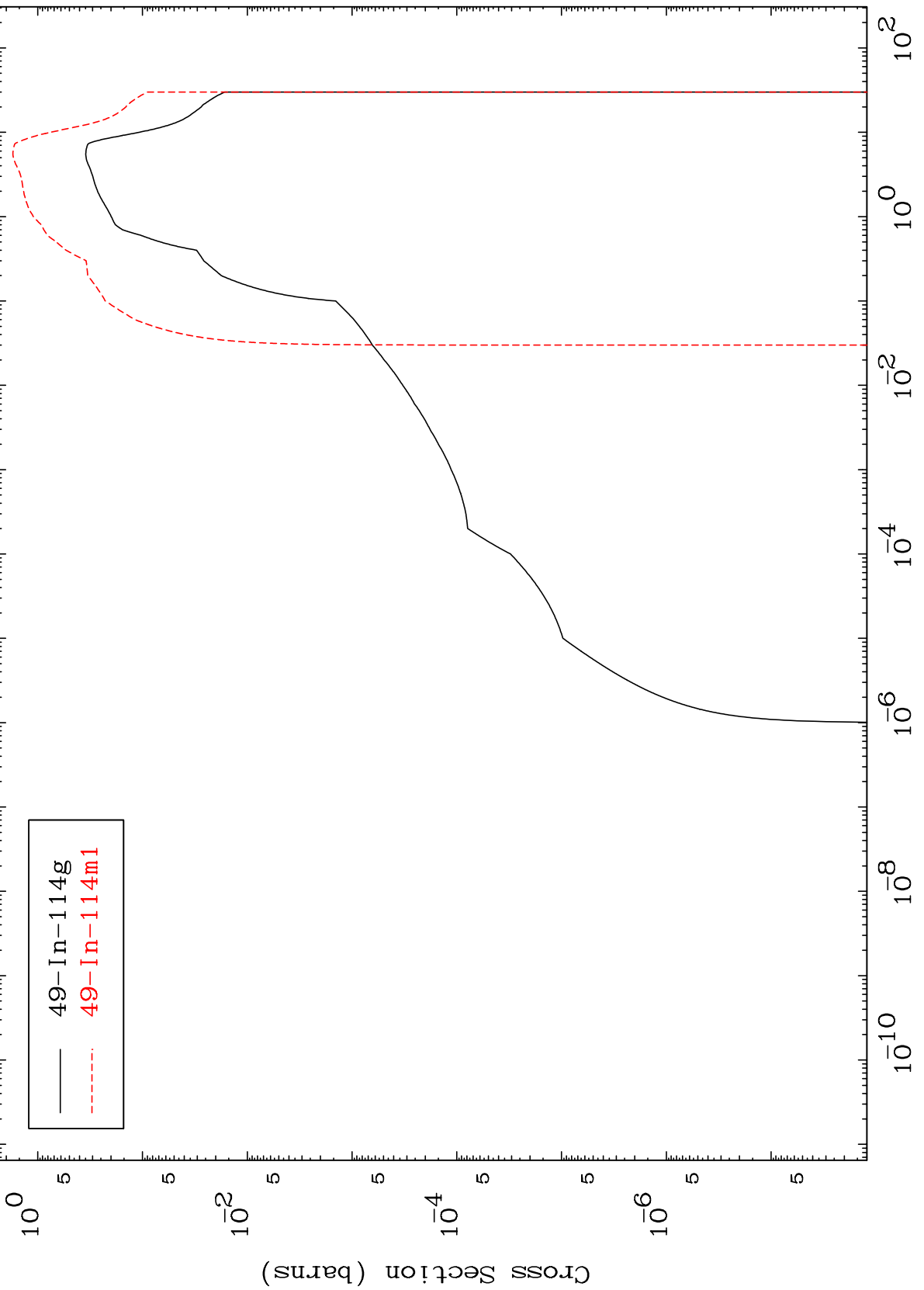
49-In-114m



MAT 4929

49-In-114m

Inelastic  
Radionuclide Production Cross Section

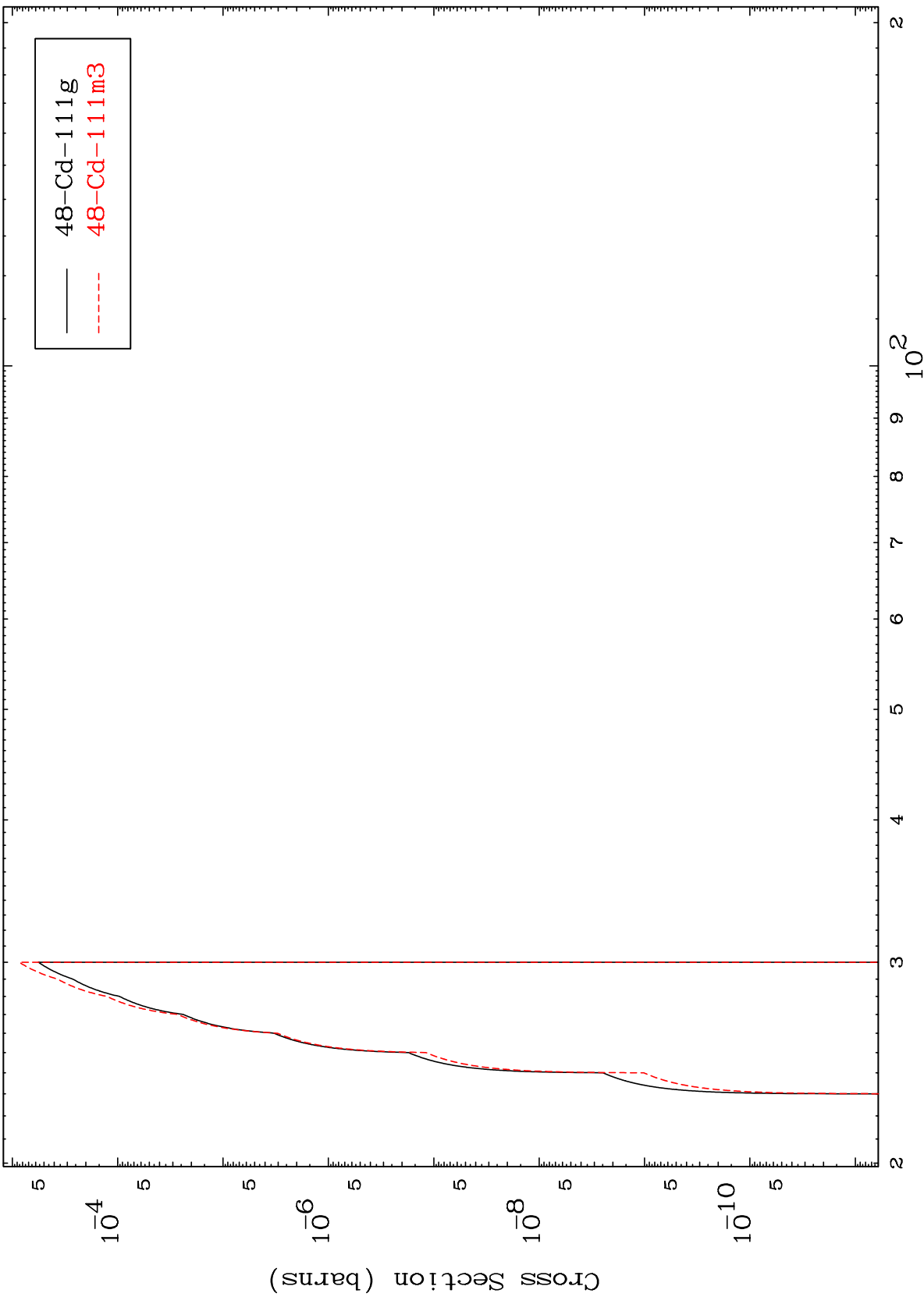


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(n,2n) d

49-In-114m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

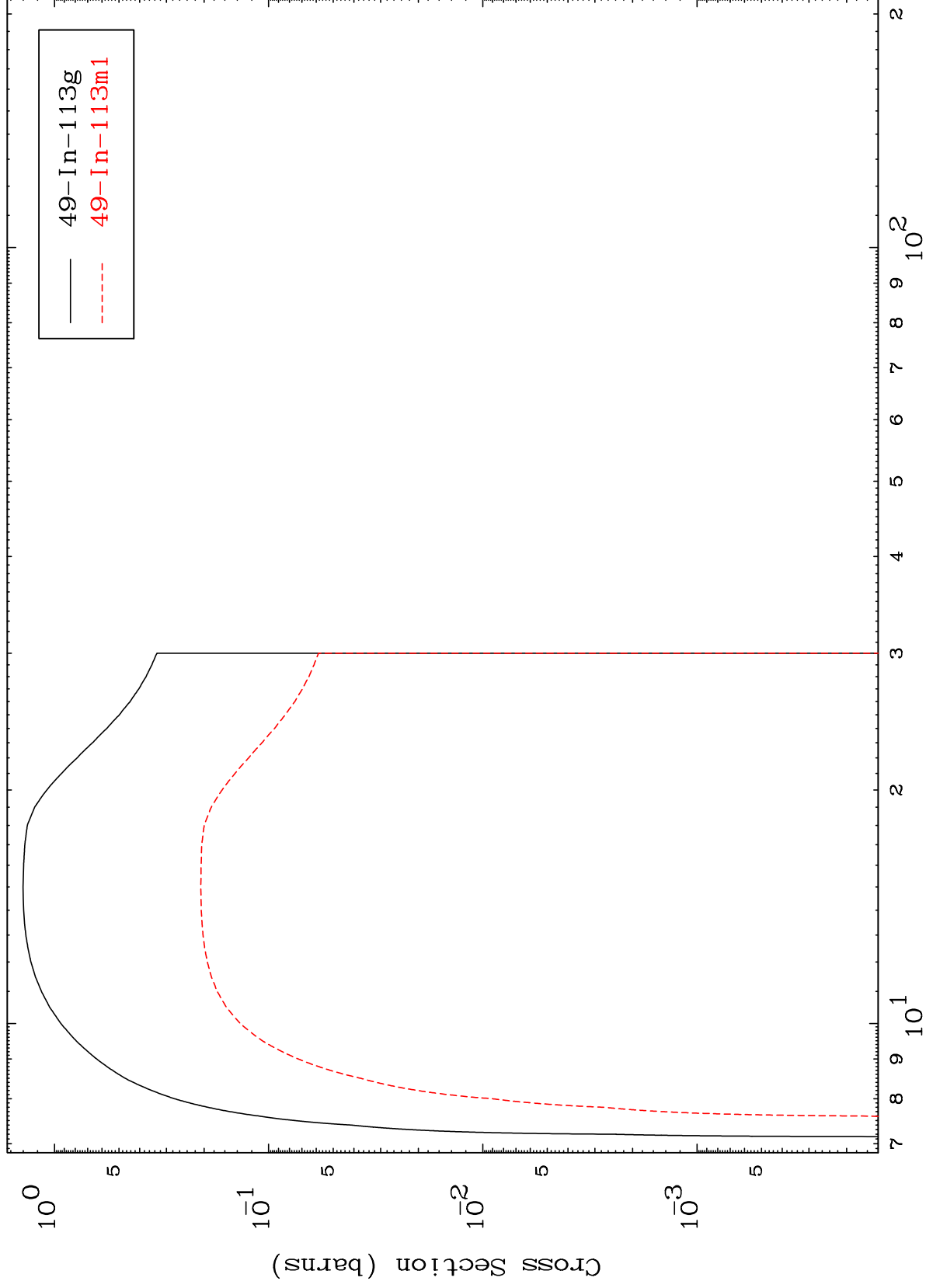
49-In-114m

MAT 4929

49-In-114m

(n,2n)

Radionuclide Production Cross Section



49-In-114m

Incident Energy (MeV)

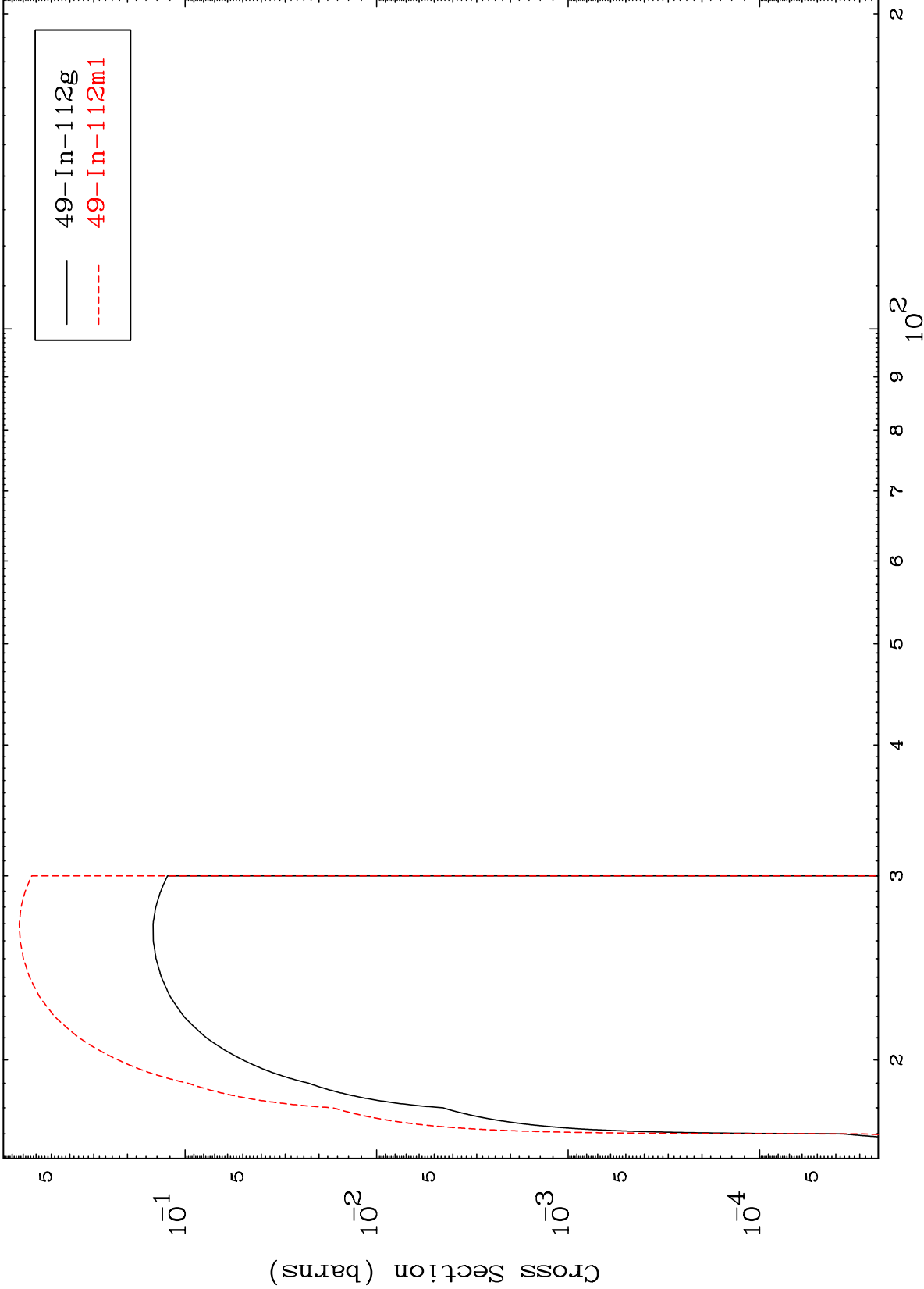
22

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(n,3n)

49-In-114m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

49-In-114m

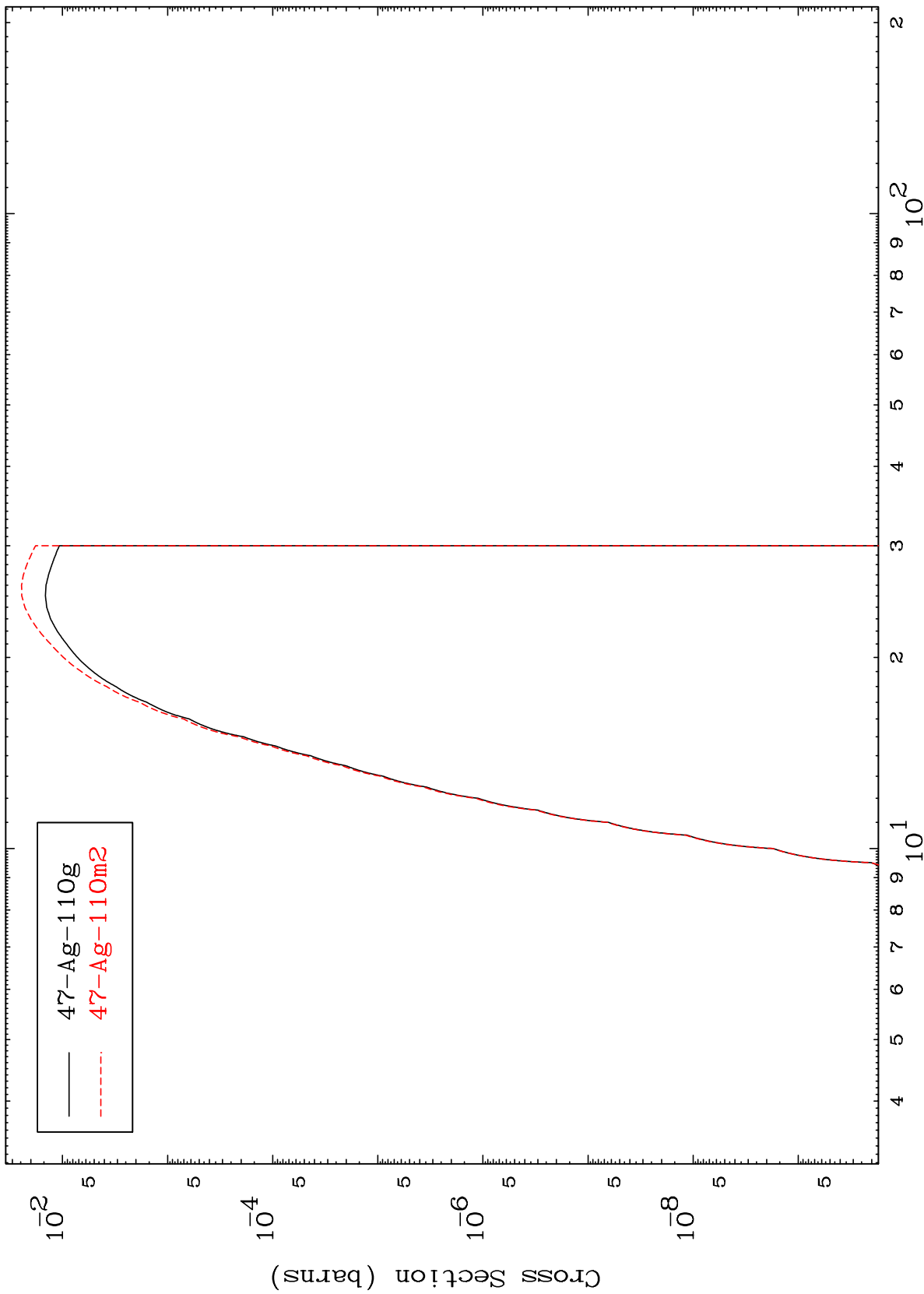


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49-In-114m

(n,n')  $\alpha$

Radionuclide Production Cross Section



24

49-In-114m

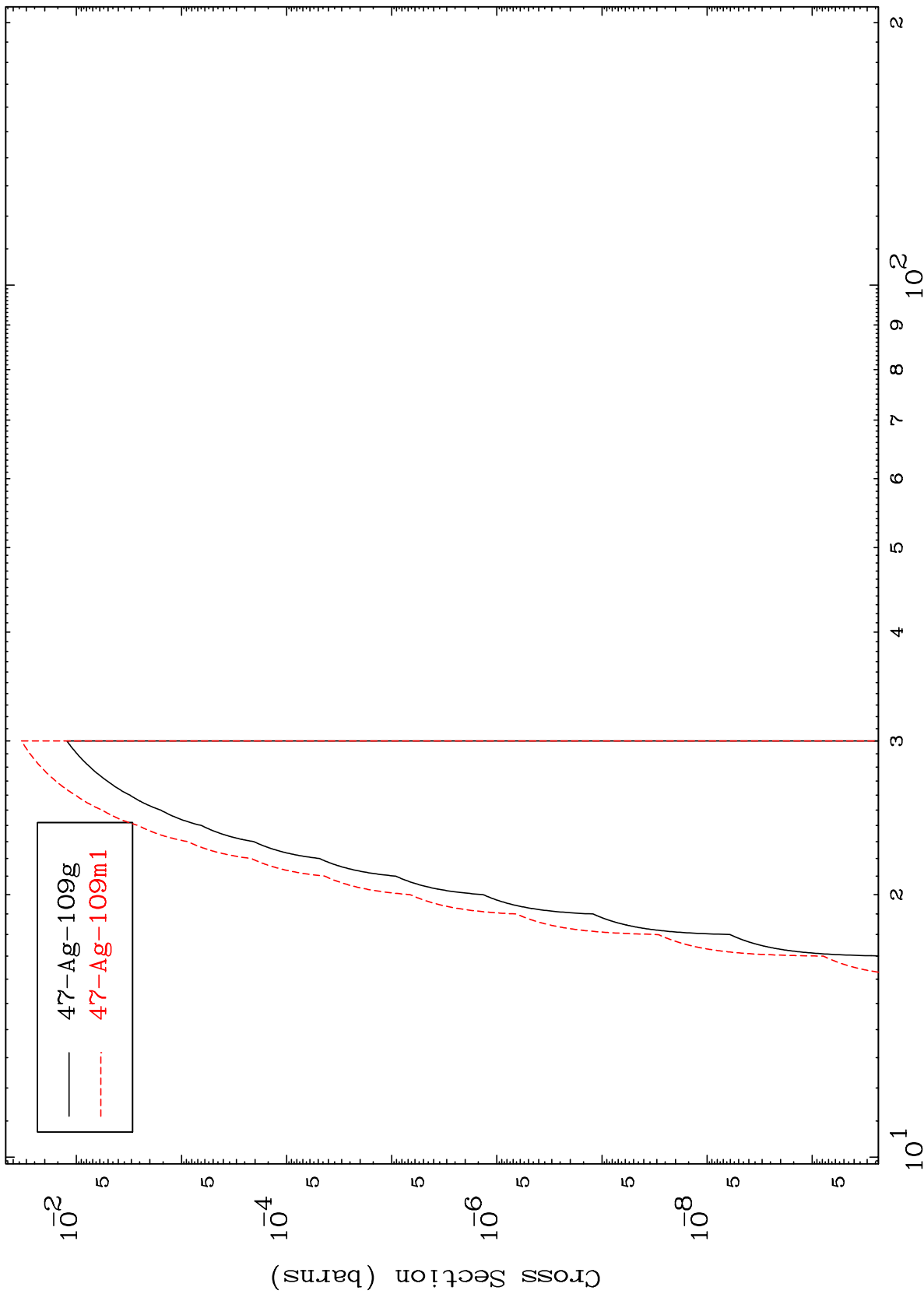
Incident Energy (MeV)

MAT 4929

(n,2n)  $\alpha$

49-In-114m

Radionuclide Production Cross Section



Incident Energy (MeV)

49-In-114m

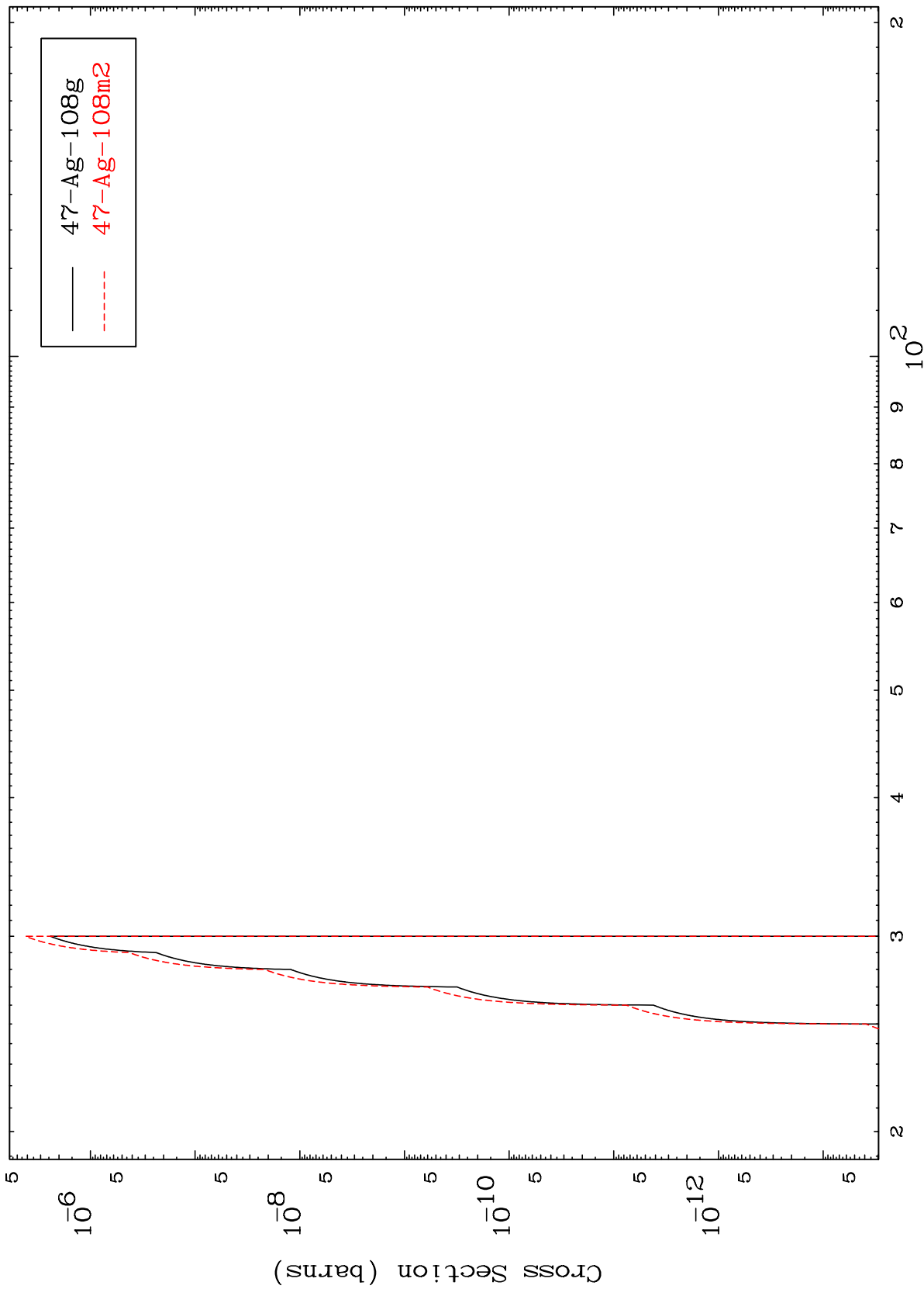
25

MAT 4929

(n,3n)  $\alpha$

49-In-114m

Radionuclide Production Cross Section



47-Ag-108g  
47-Ag-108m2

26

Incident Energy (MeV)

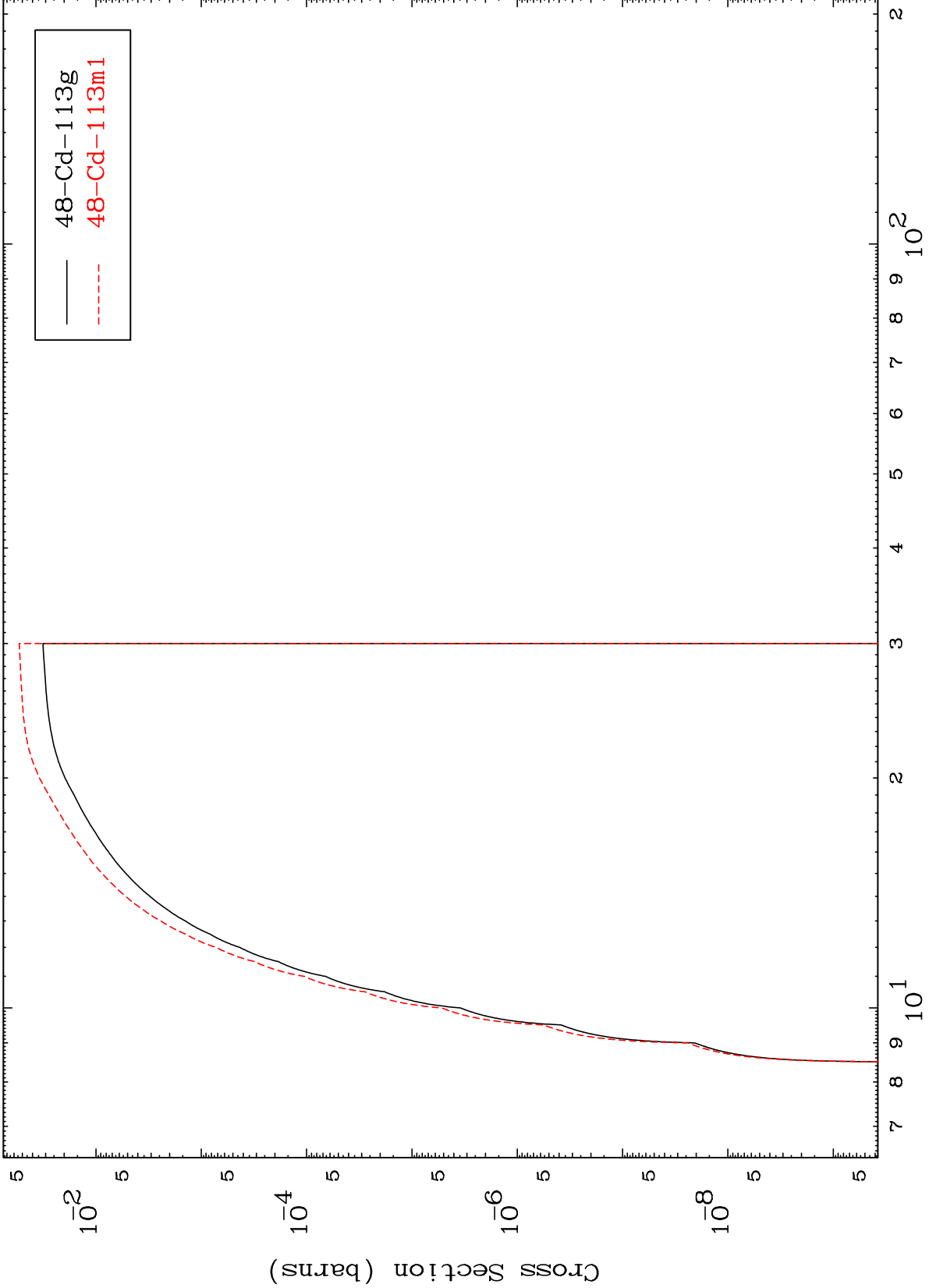
49-In-114m

MAT 4929

(n,n') p

49-In-114m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

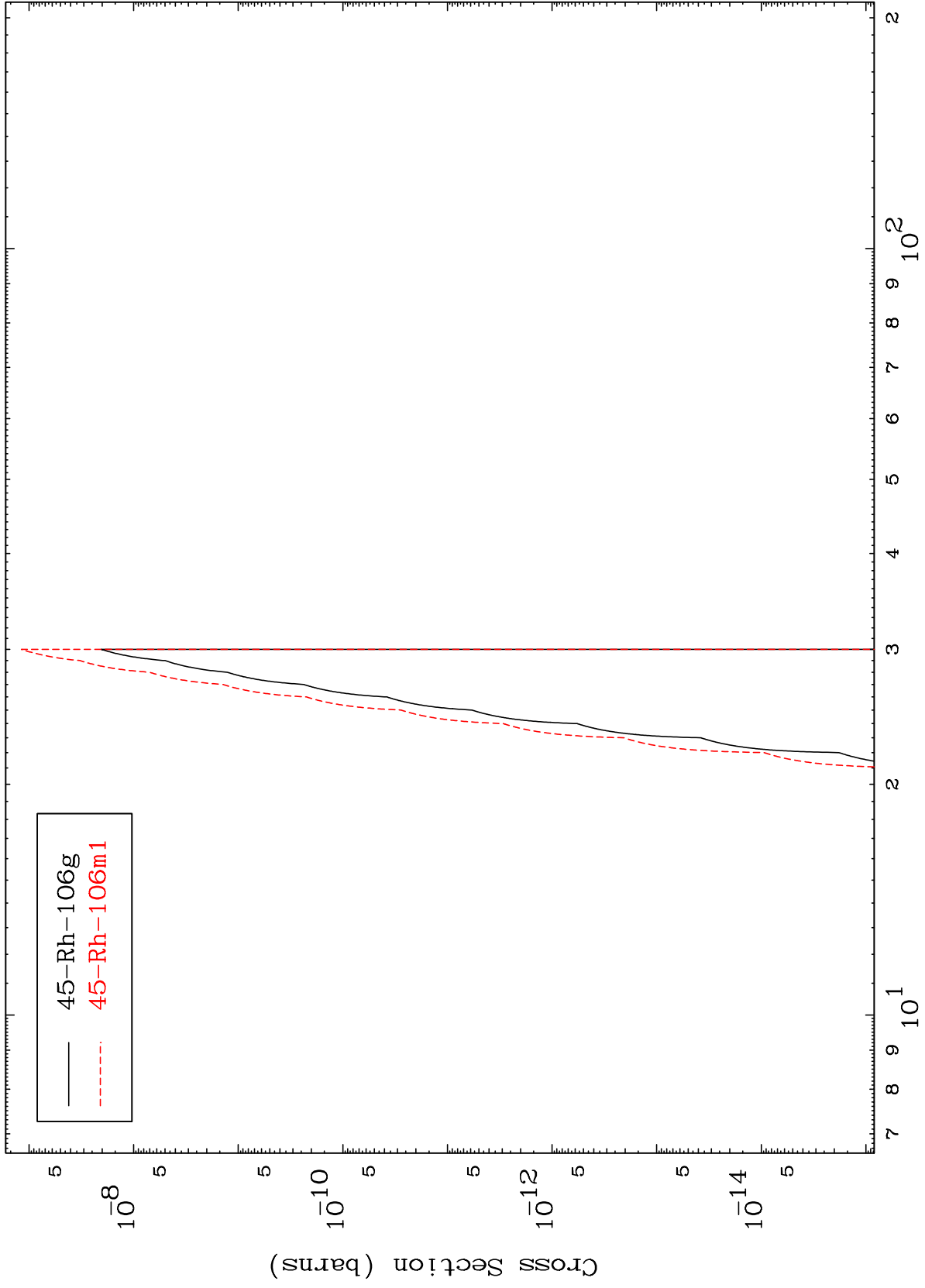
49-In-114m

MAT 4929

(n,n') 2α

49-In-114m

Radionuclide Production Cross Section



— 45-Rh-106g  
- - - 45-Rh-106m1

28

Incident Energy (MeV)

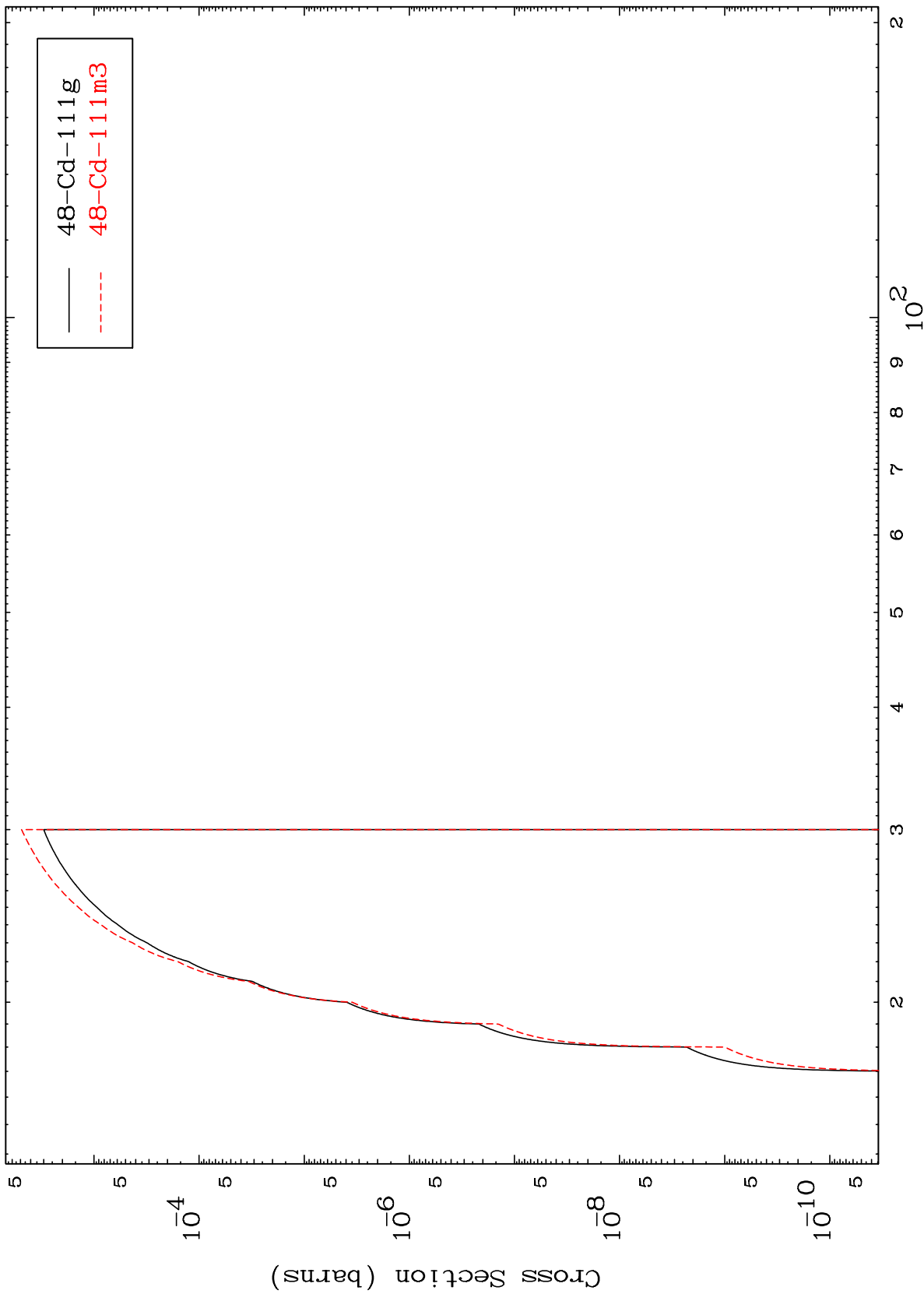
49-In-114m

MAT 4929

(n,n') t

49-In-114m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

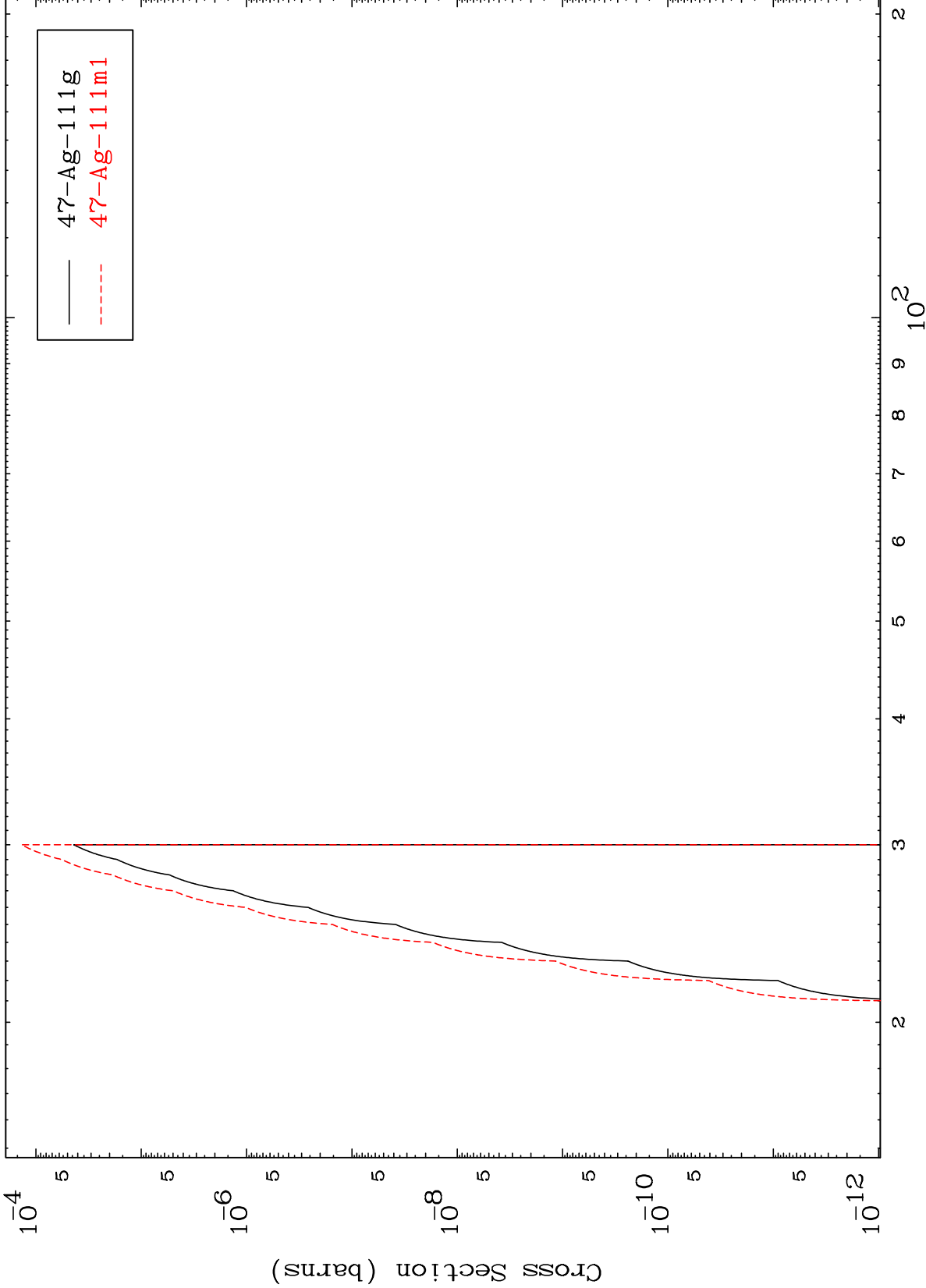
49-In-114m

MAT 4929

(n,n') He-3

49-In-114m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

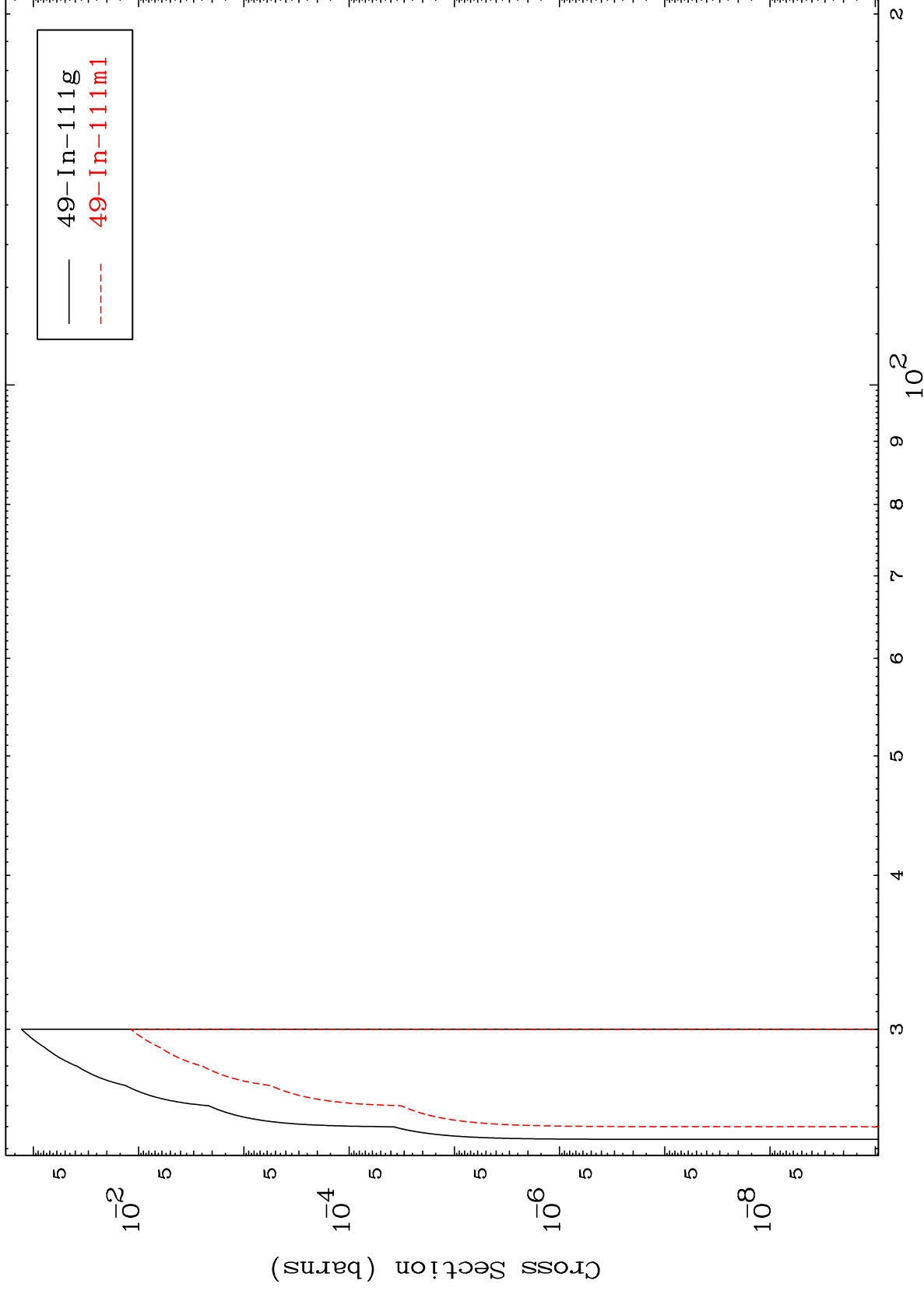
49-In-114m

MAT 4929

(n,4n)

49-In-114m

Radionuclide Production Cross Section



49-In-111g  
49-In-111m1

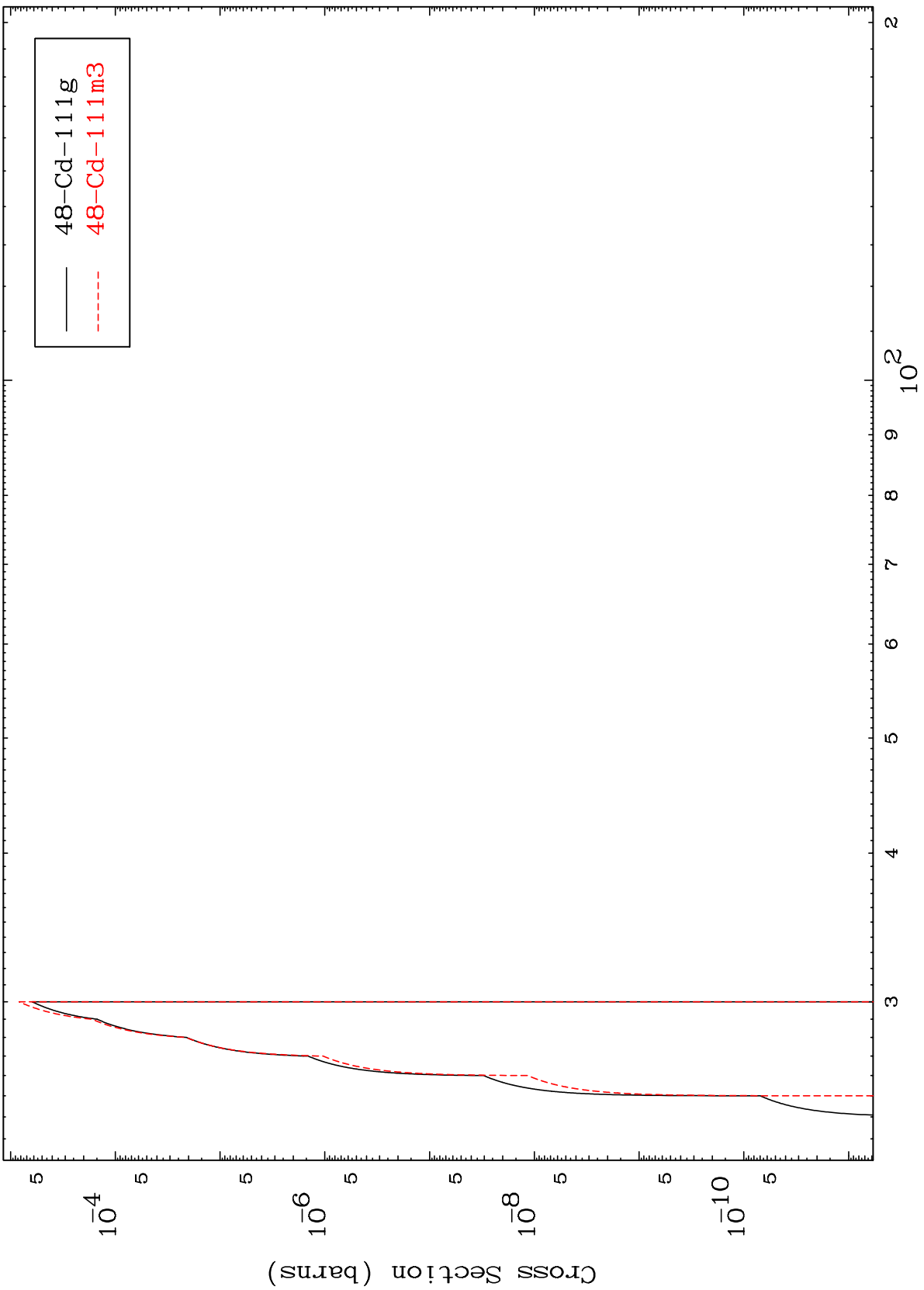


MAT 4929

(n,3n) p

49-In-114m

Radionuclide Production Cross Section



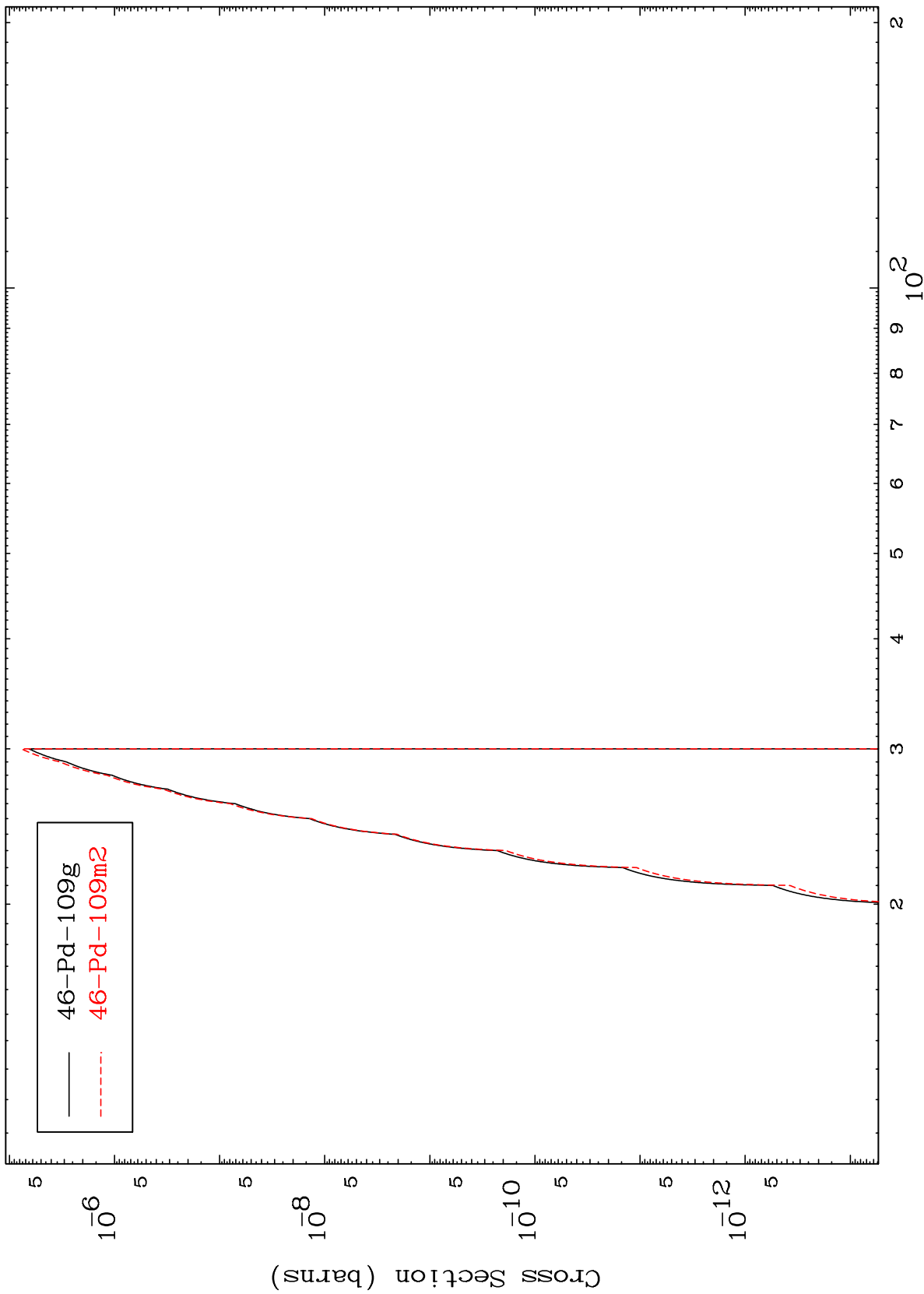
48-Cd-111g  
48-Cd-111m3

MAT 4929

(n,n') p  $\alpha$

49-In-114m

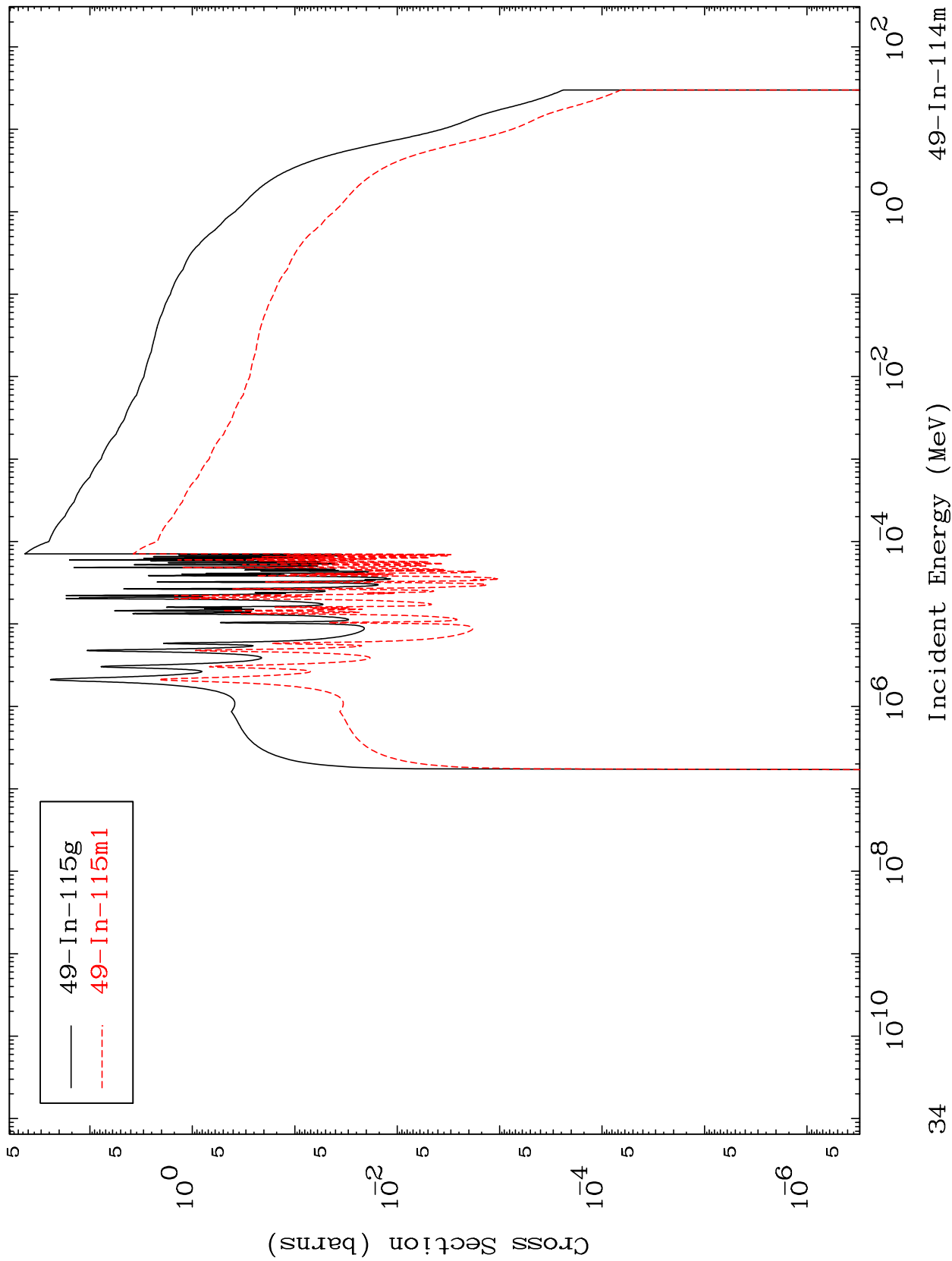
Radionuclide Production Cross Section



MAT 4929

49-In-114m

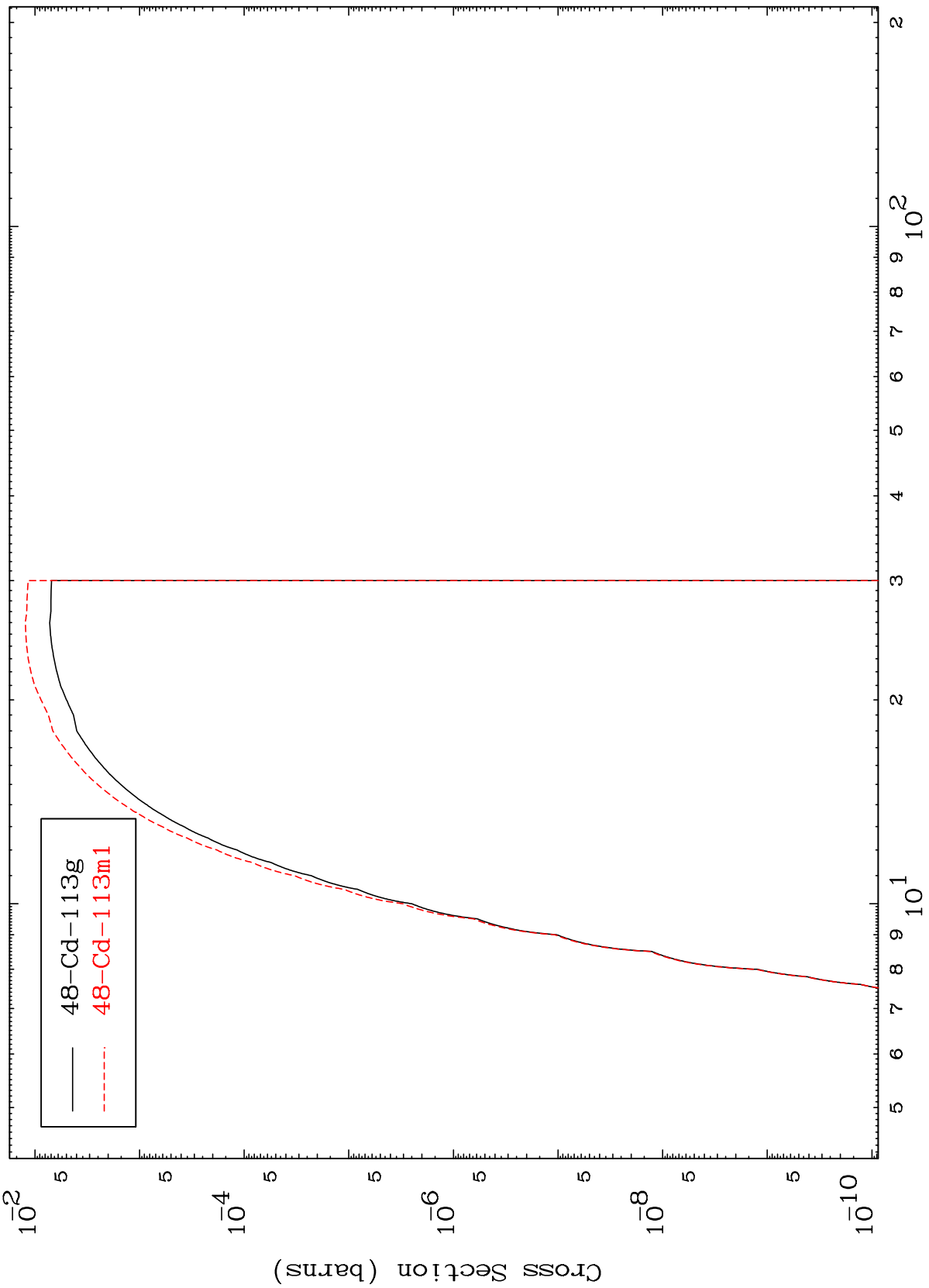
Radionuclide Production Cross Section  
(n,  $\gamma$ )



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49-In-114m

(n,d)  
Radionuclide Production Cross Section



35

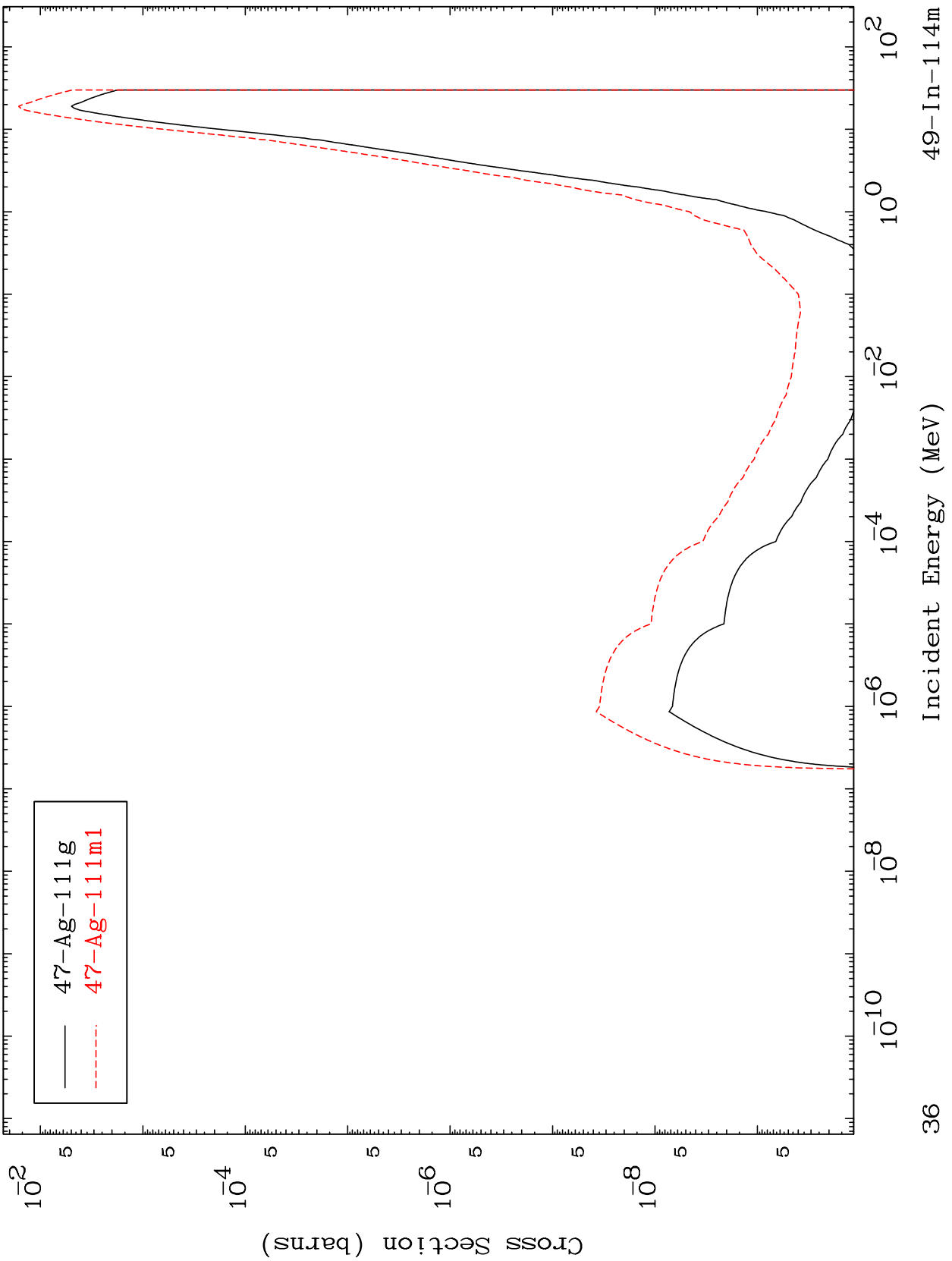
49-In-114m

Incident Energy (MeV)

MAT 4929

49-In-114m

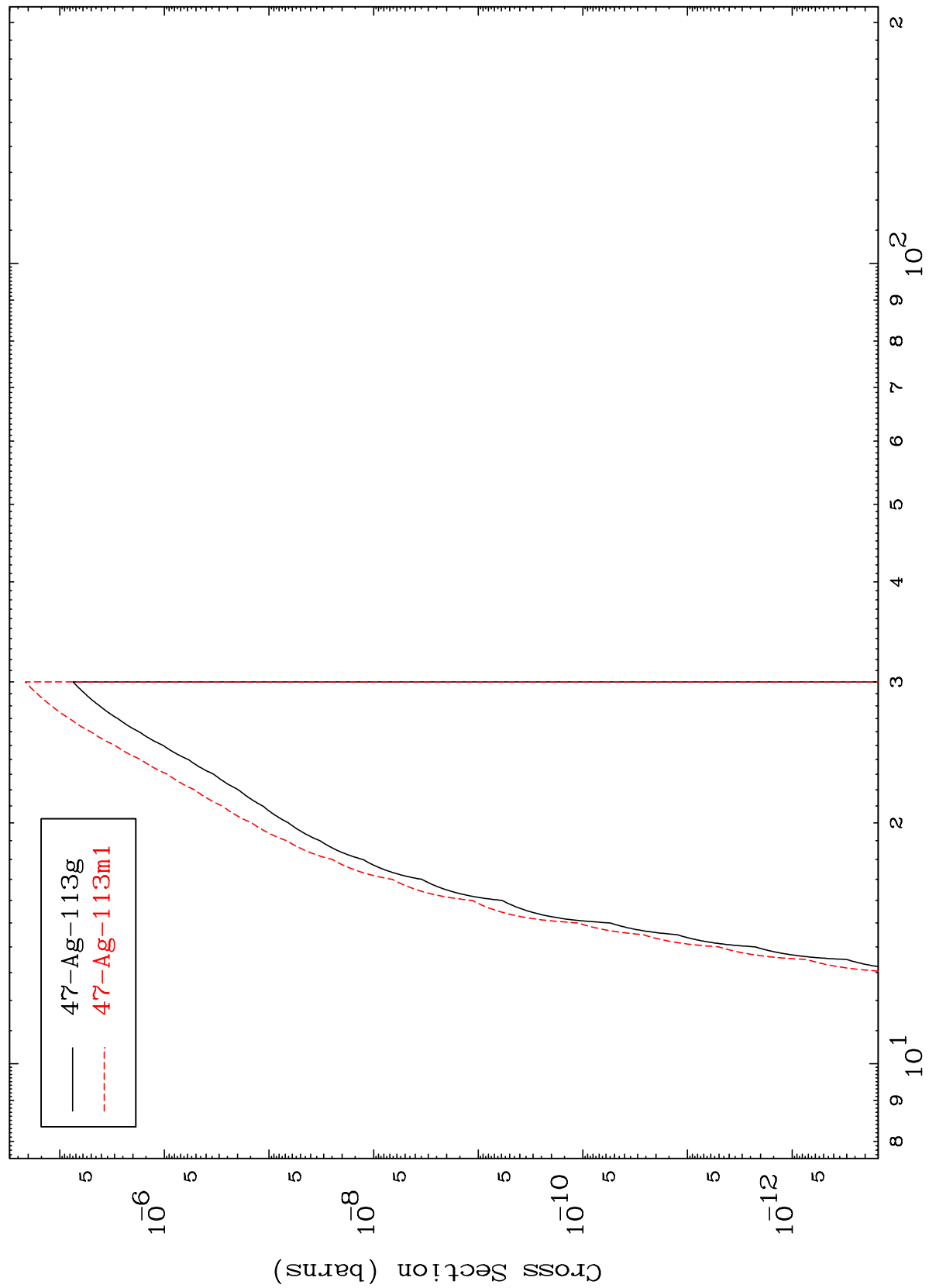
(n,  $\alpha$ )  
Radionuclide Production Cross Section



MAT 4929

49-In-114m

(n,2p)  
Radionuclide Production Cross Section



37

49-In-114m

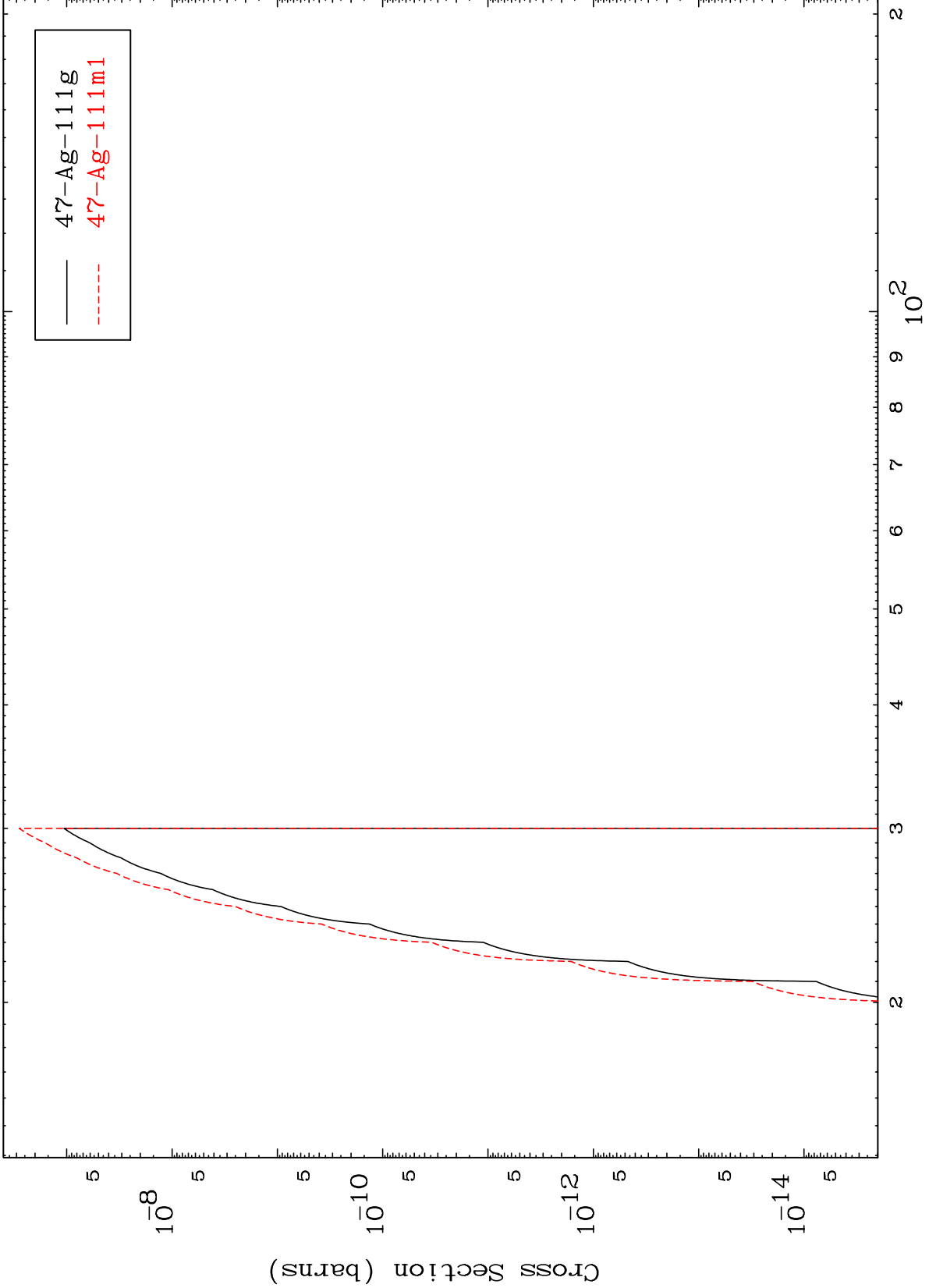
Incident Energy (MeV)

MAT 4929

(n,p) t

49-In-114m

Radionuclide Production Cross Section



38

Incident Energy (MeV)

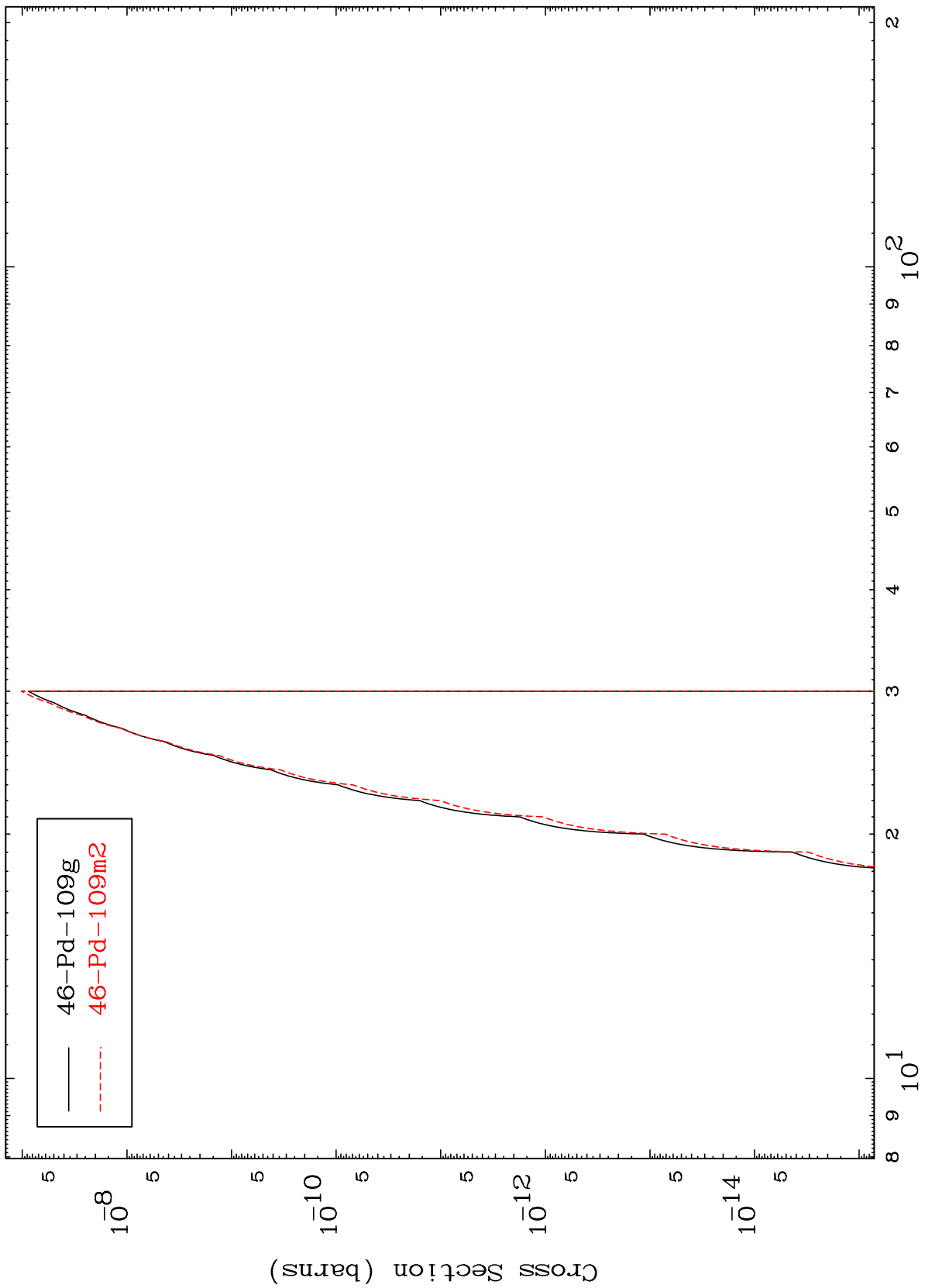
49-In-114m

MAT 4929

(n,d)  $\alpha$

49-In-114m

Radionuclide Production Cross Section



46-Pd-109g  
46-Pd-109m2

39

Incident Energy (MeV)

49-In-114m