

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

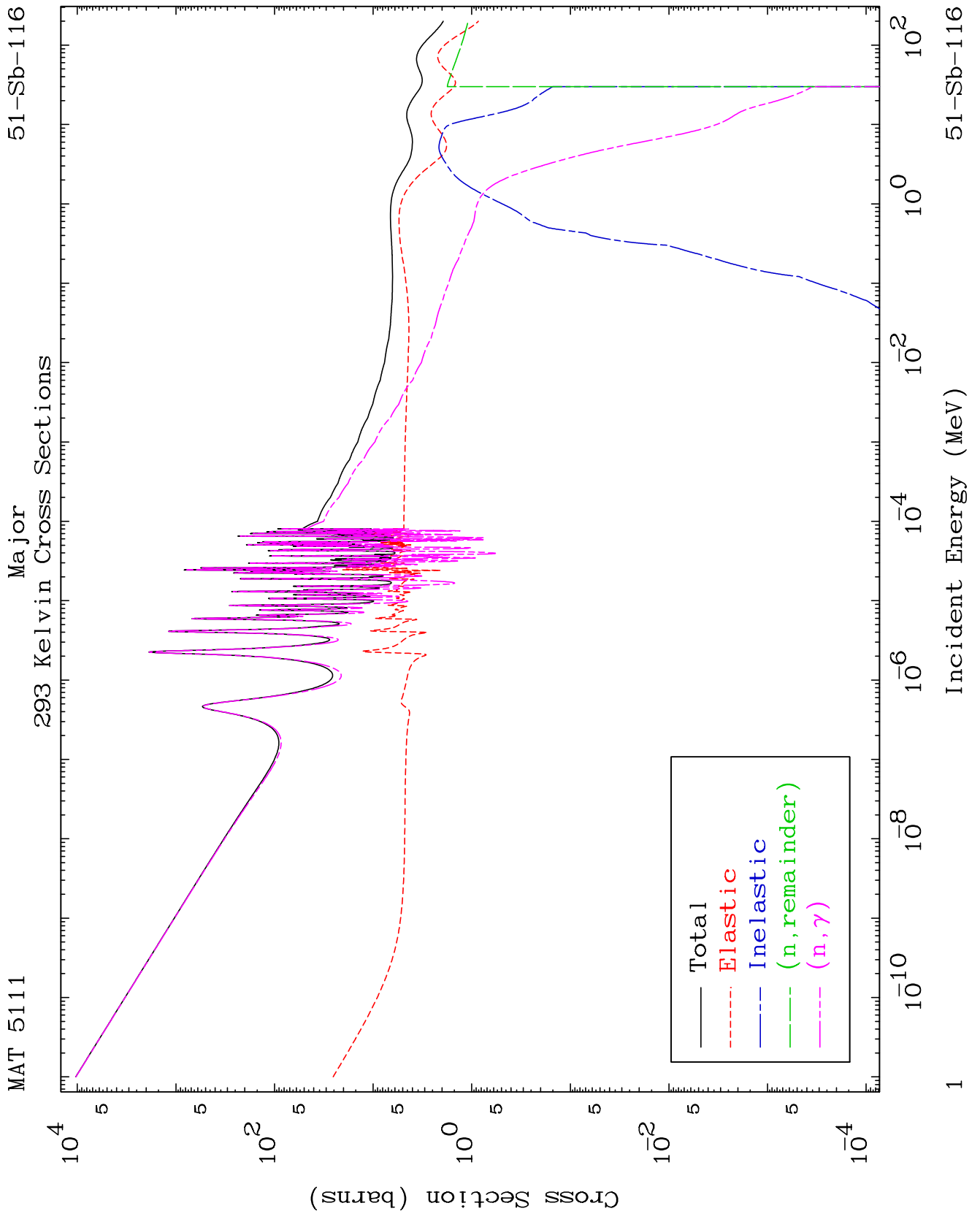
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Web:redcullen1.net/HOMEPAGE.NEW

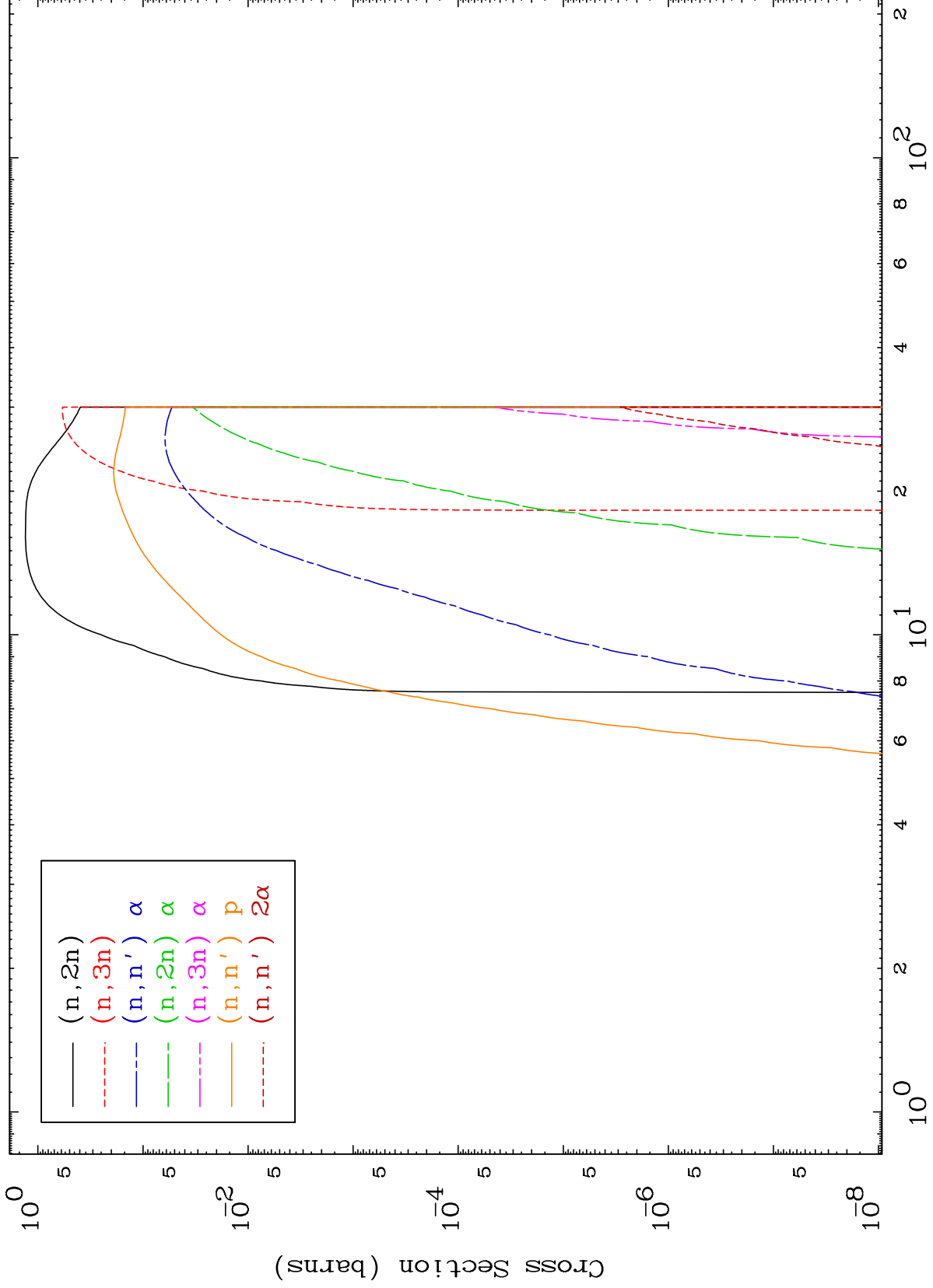
Press Mouse Button to Start



MAT 5111

Neutron Production  
293 Kelvin Cross Sections

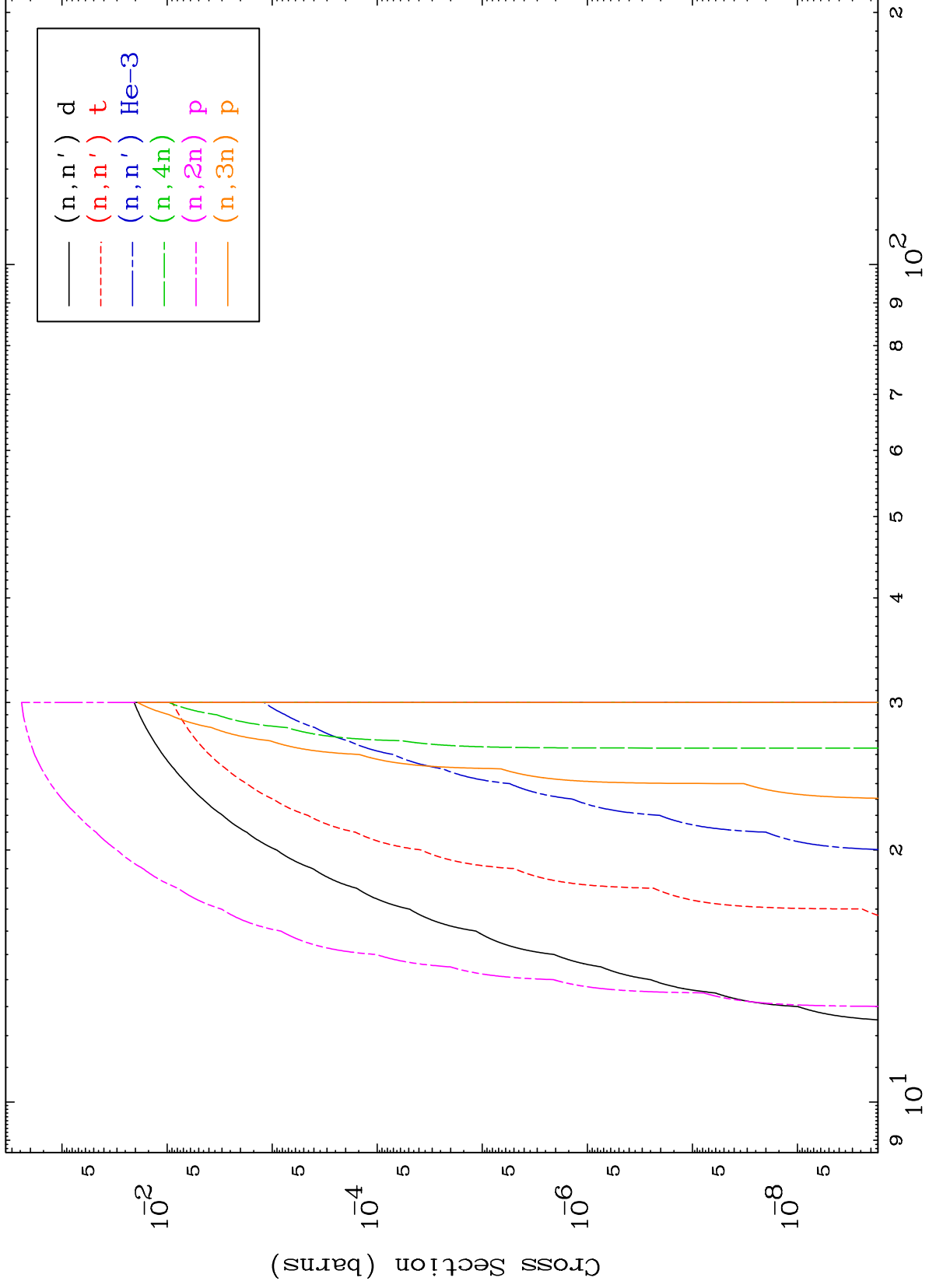
51-Sb-116



51-Sb-116

Incident Energy (MeV)

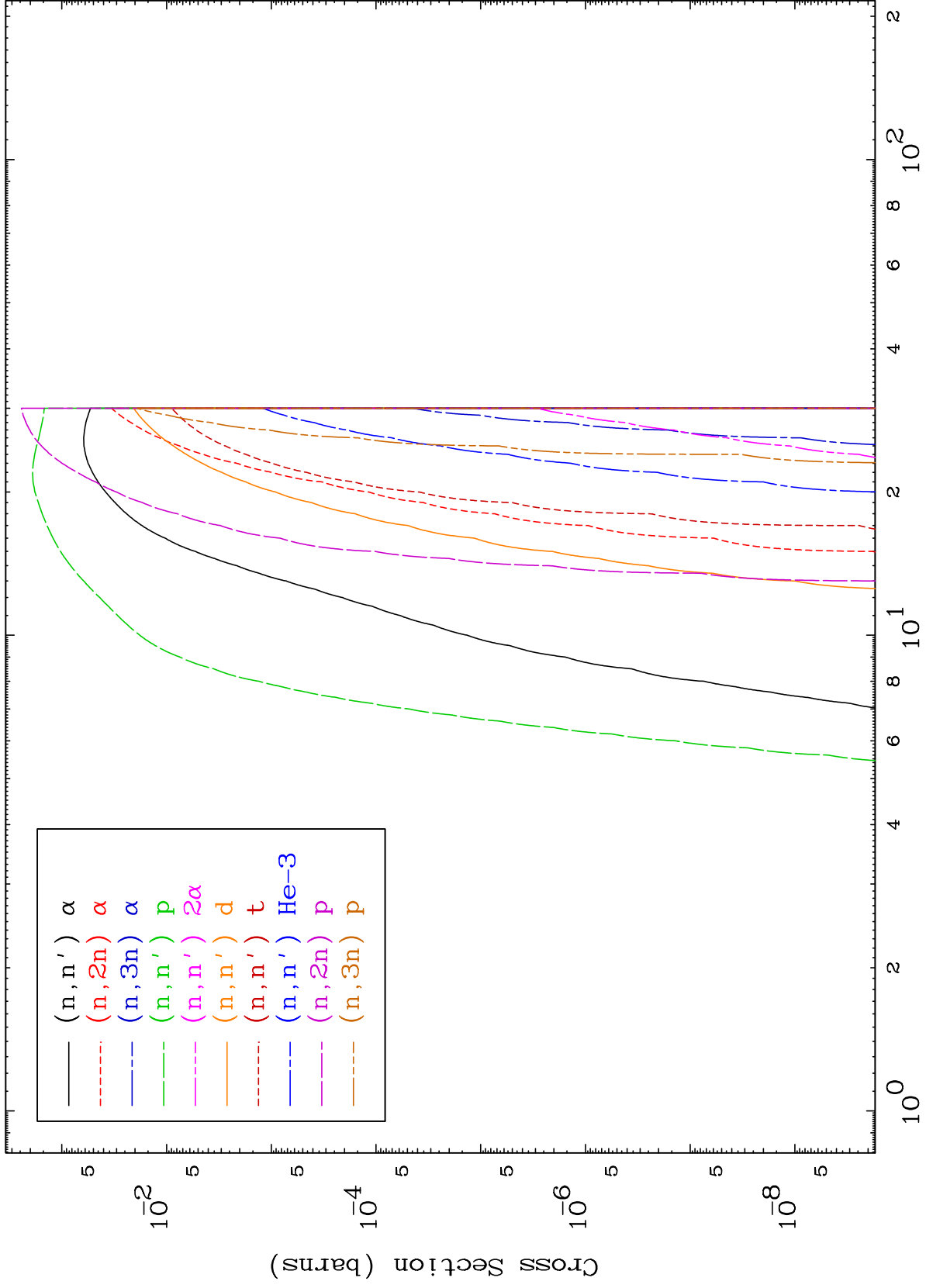
2



MAT 5111

293 Kelvin Cross Sections

51-Sb-116



4

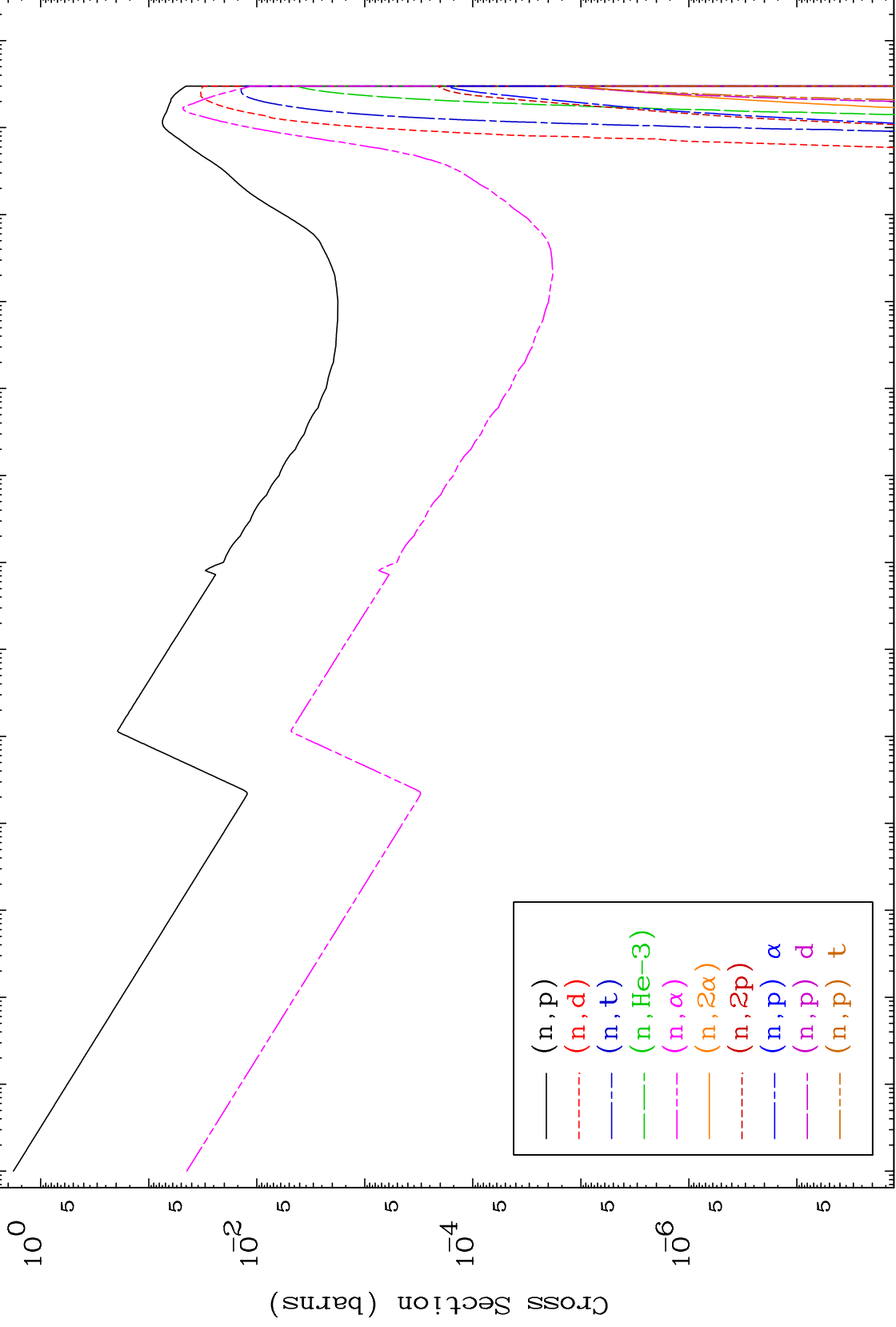
Incident Energy (MeV)

51-Sb-116

MAT 5111

Charged Particle  
293 Kelvin Cross Sections

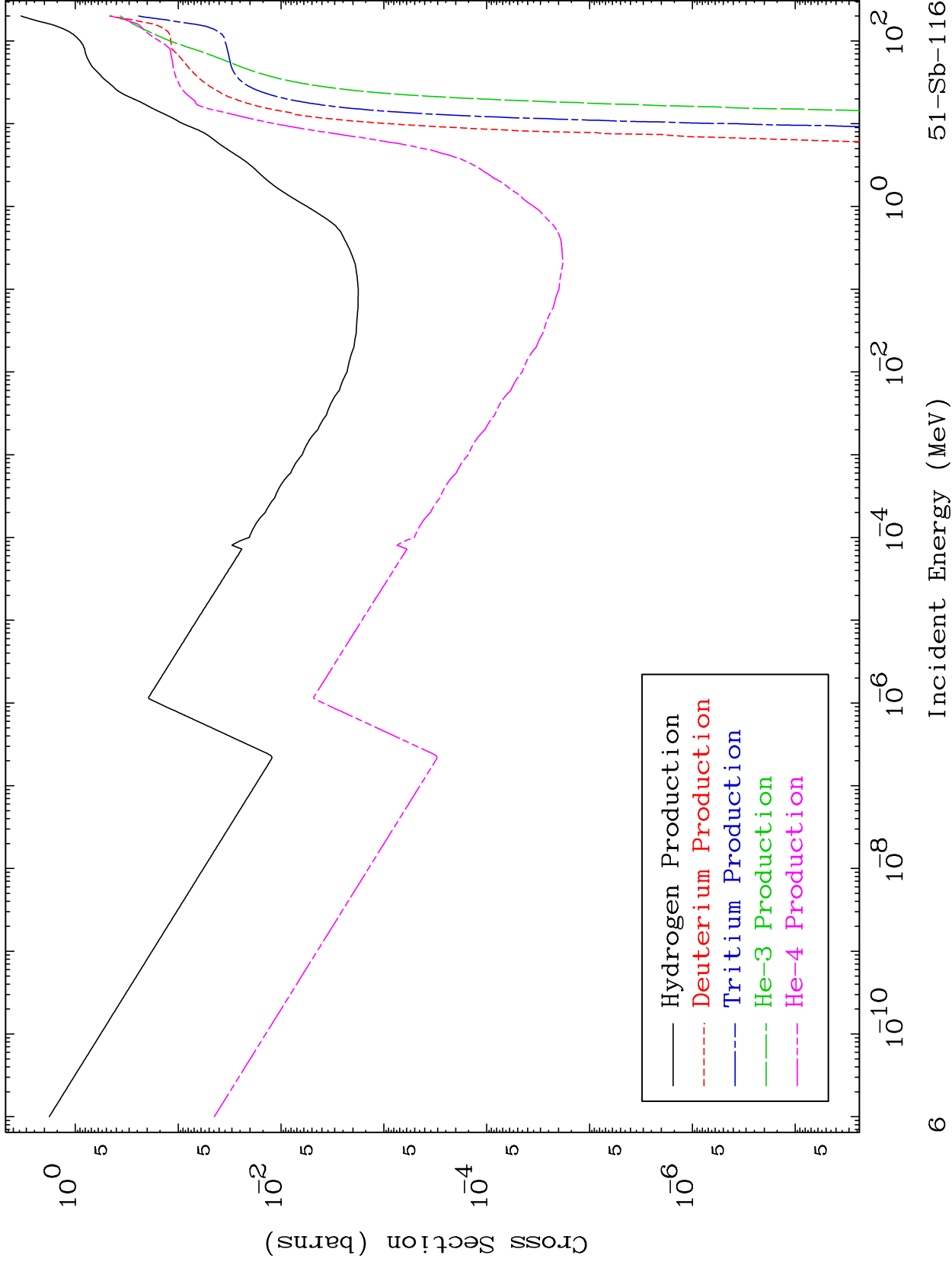
51-Sb-116



MAT 5111

Particle Production  
293 Kelvin Cross Sections

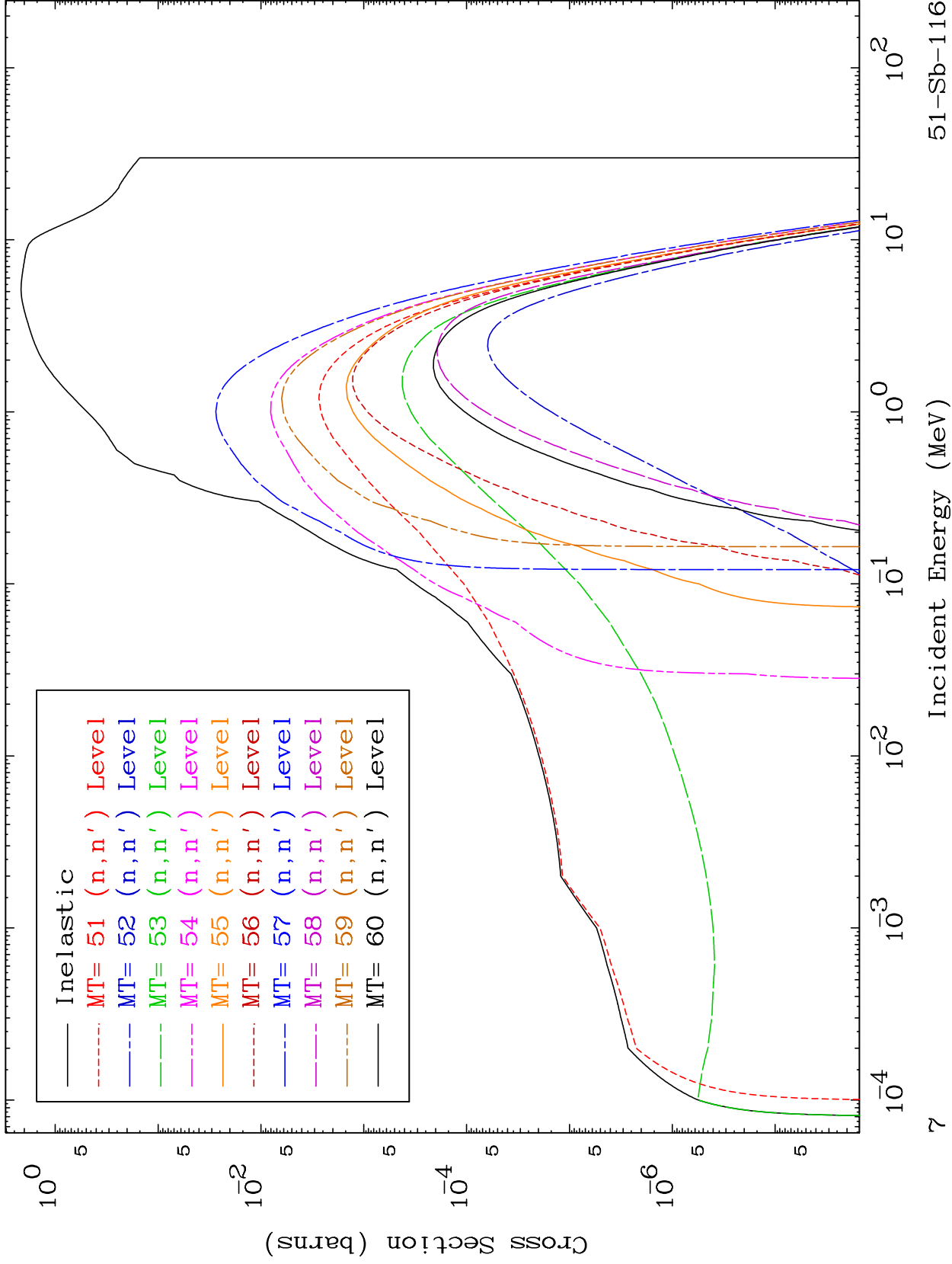
51-Sb-116



MAT 5111

293 Kelvin Cross Sections

51-Sb-116

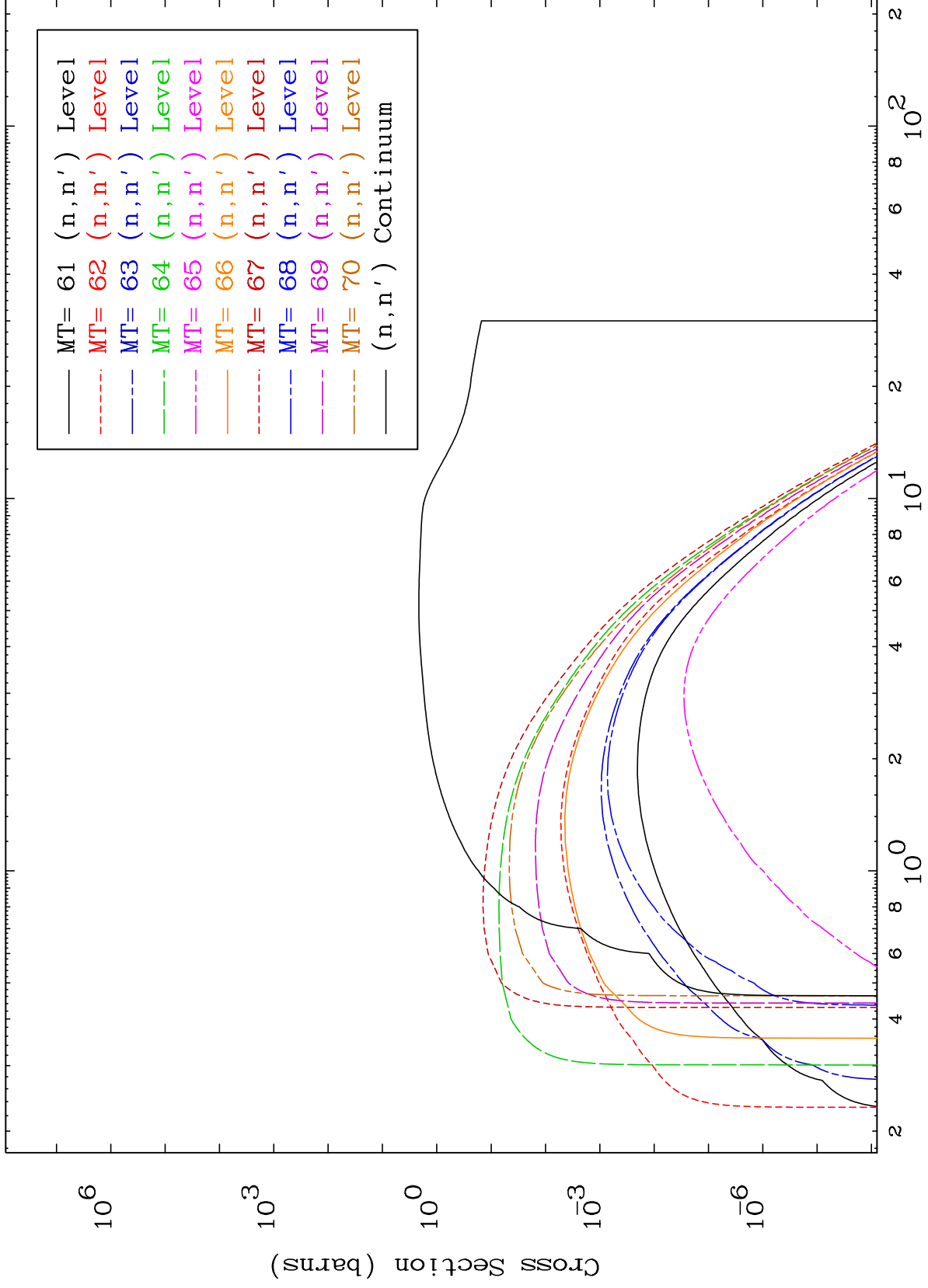


51-Sb-116

Incident Energy (MeV)



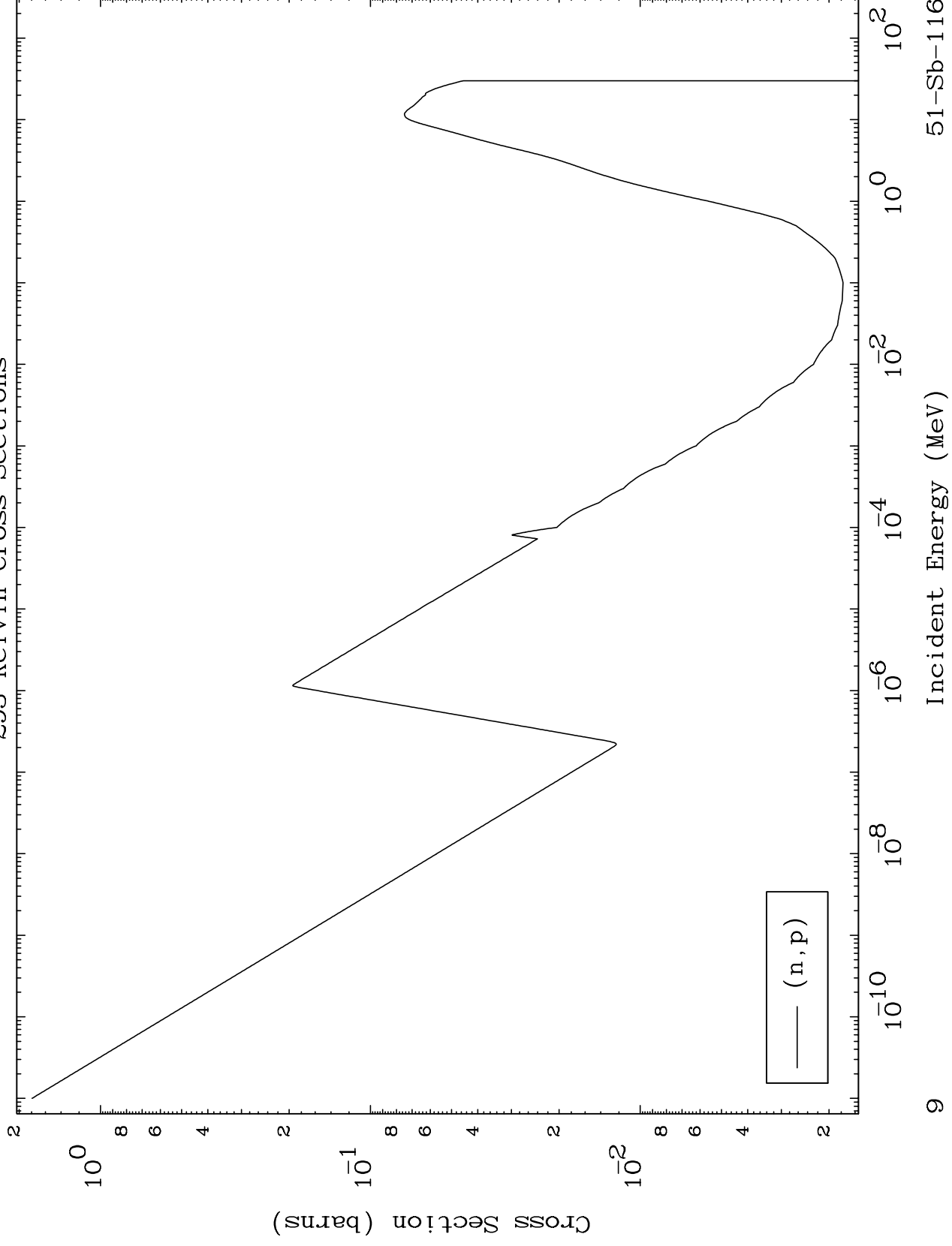
293 Kelvin Cross Sections



MAT 5111

(n,p) Levels  
293 Kelvin Cross Sections

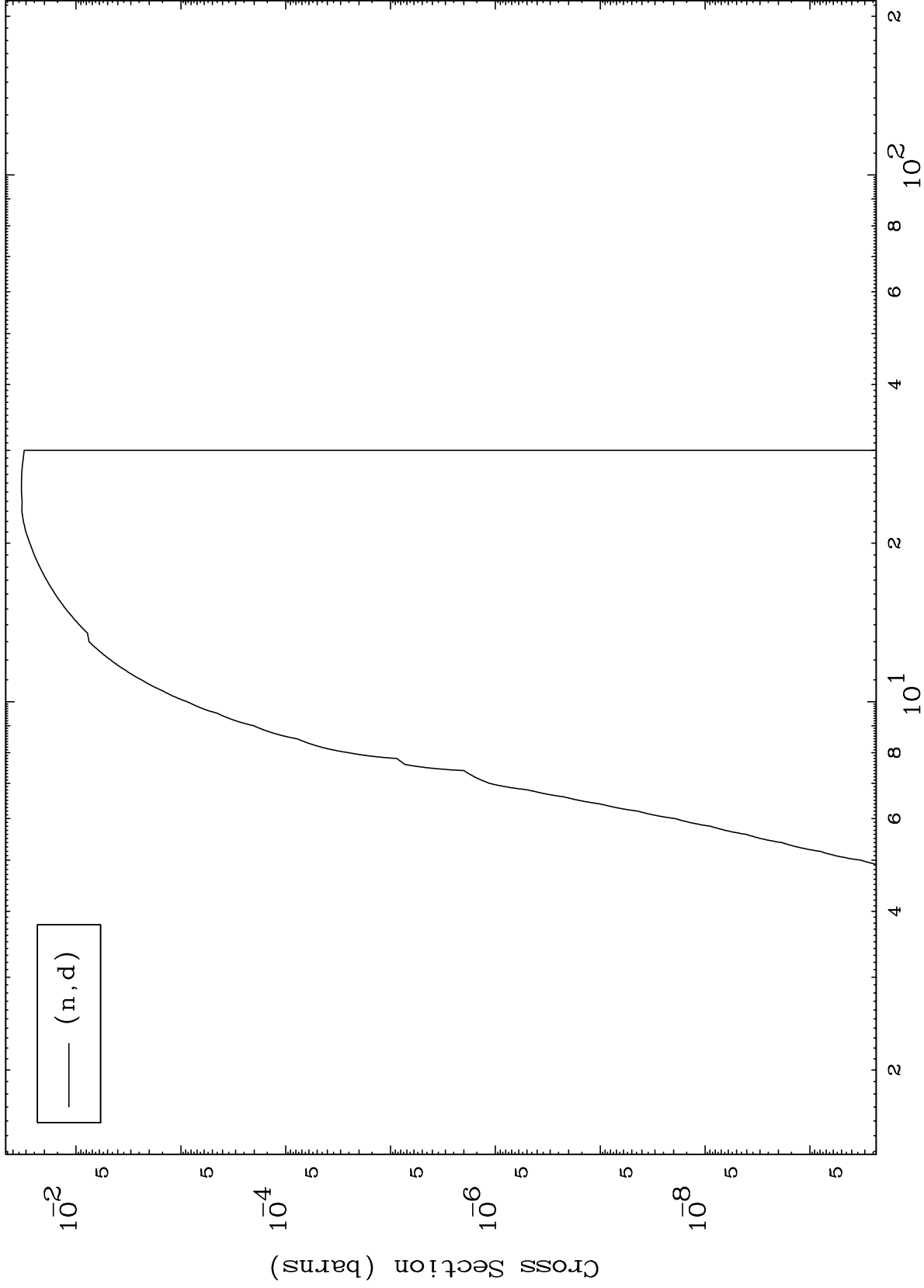
51-Sb-116



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(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-116



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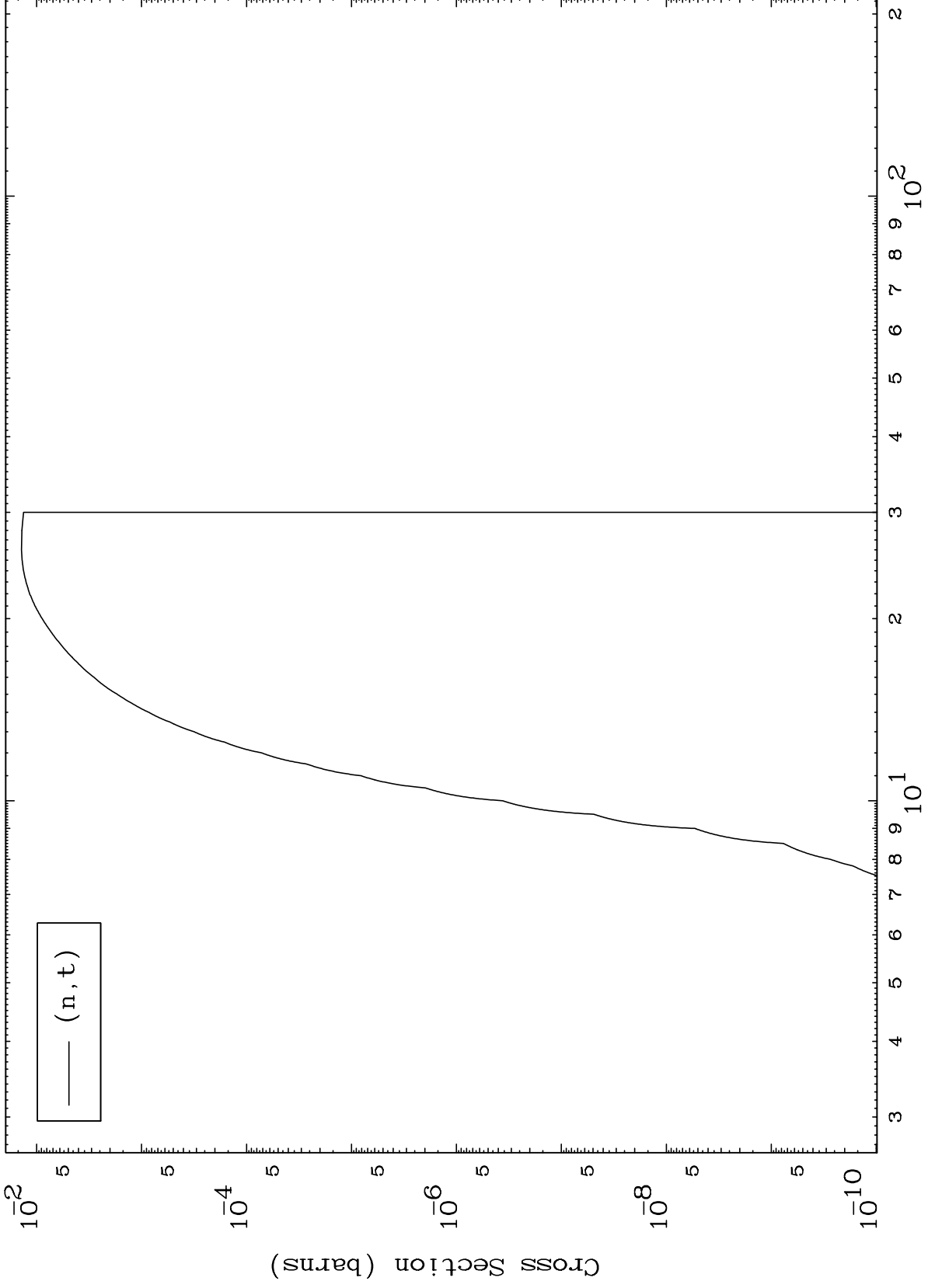
Incident Energy (MeV)

51-Sb-116

MAT 5111

(n,t) Levels  
293 Kelvin Cross Sections

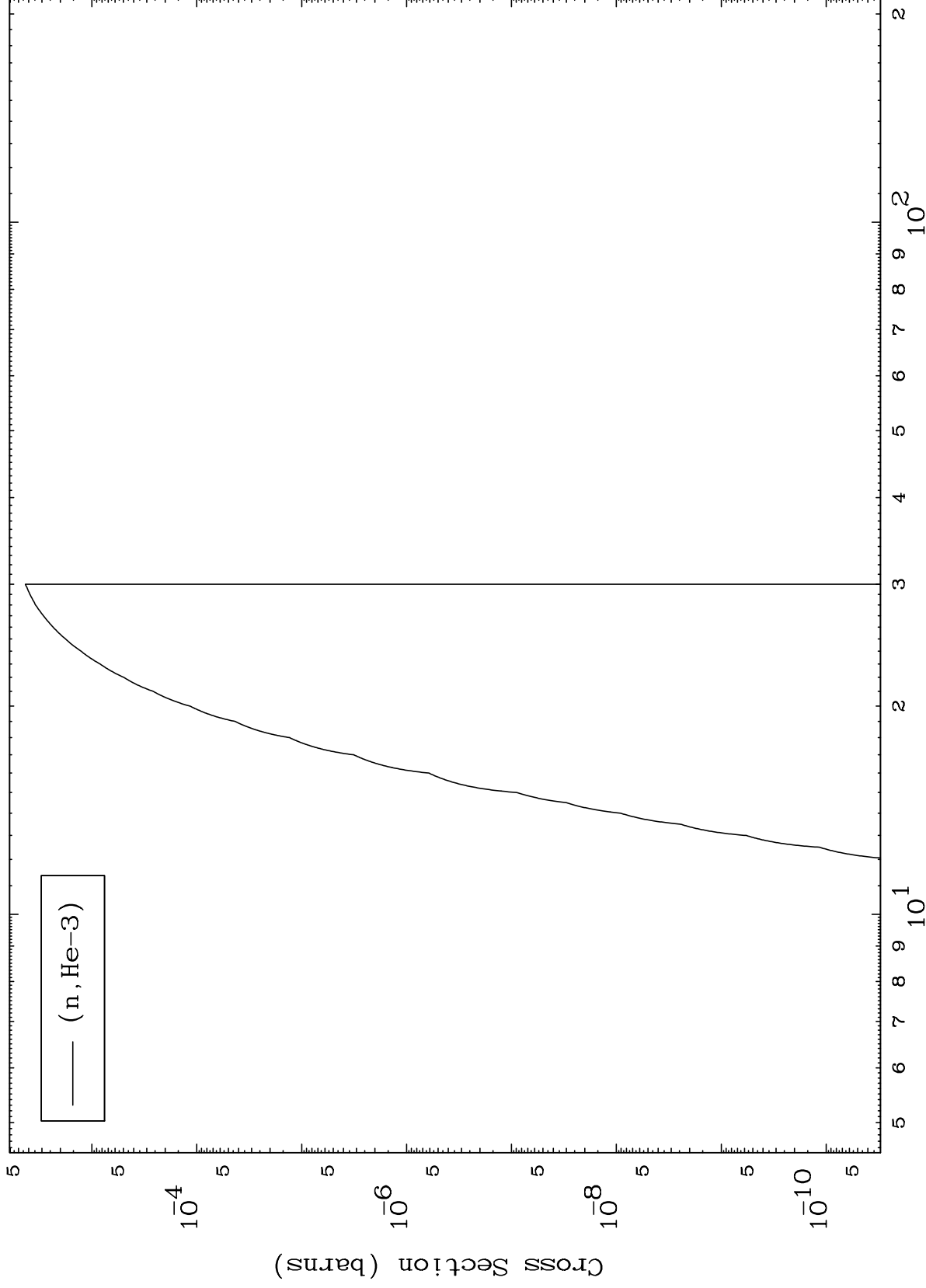
51-Sb-116



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(n,He3) Levels  
293 Kelvin Cross Sections

51-Sb-116



12

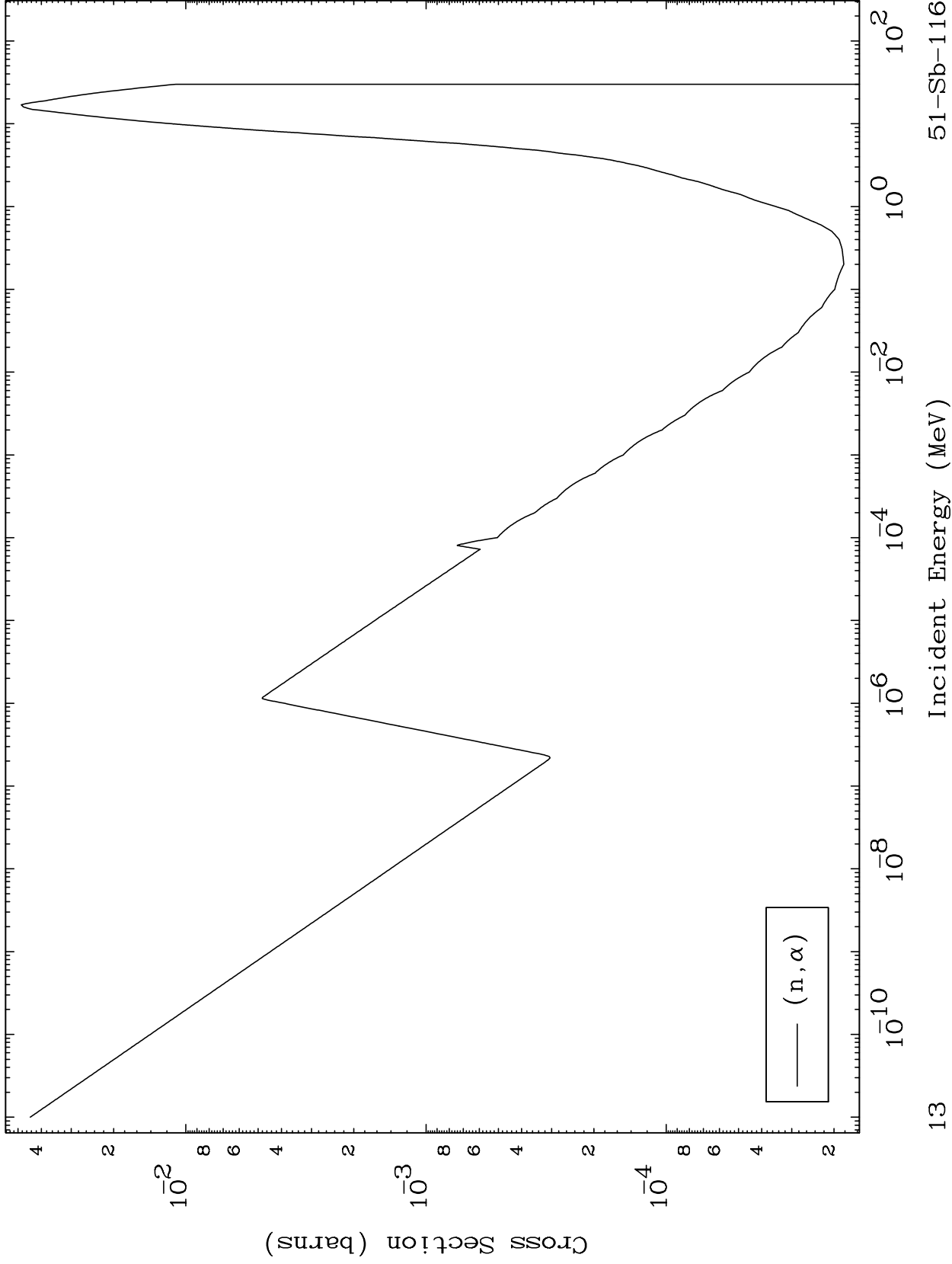
Incident Energy (MeV)

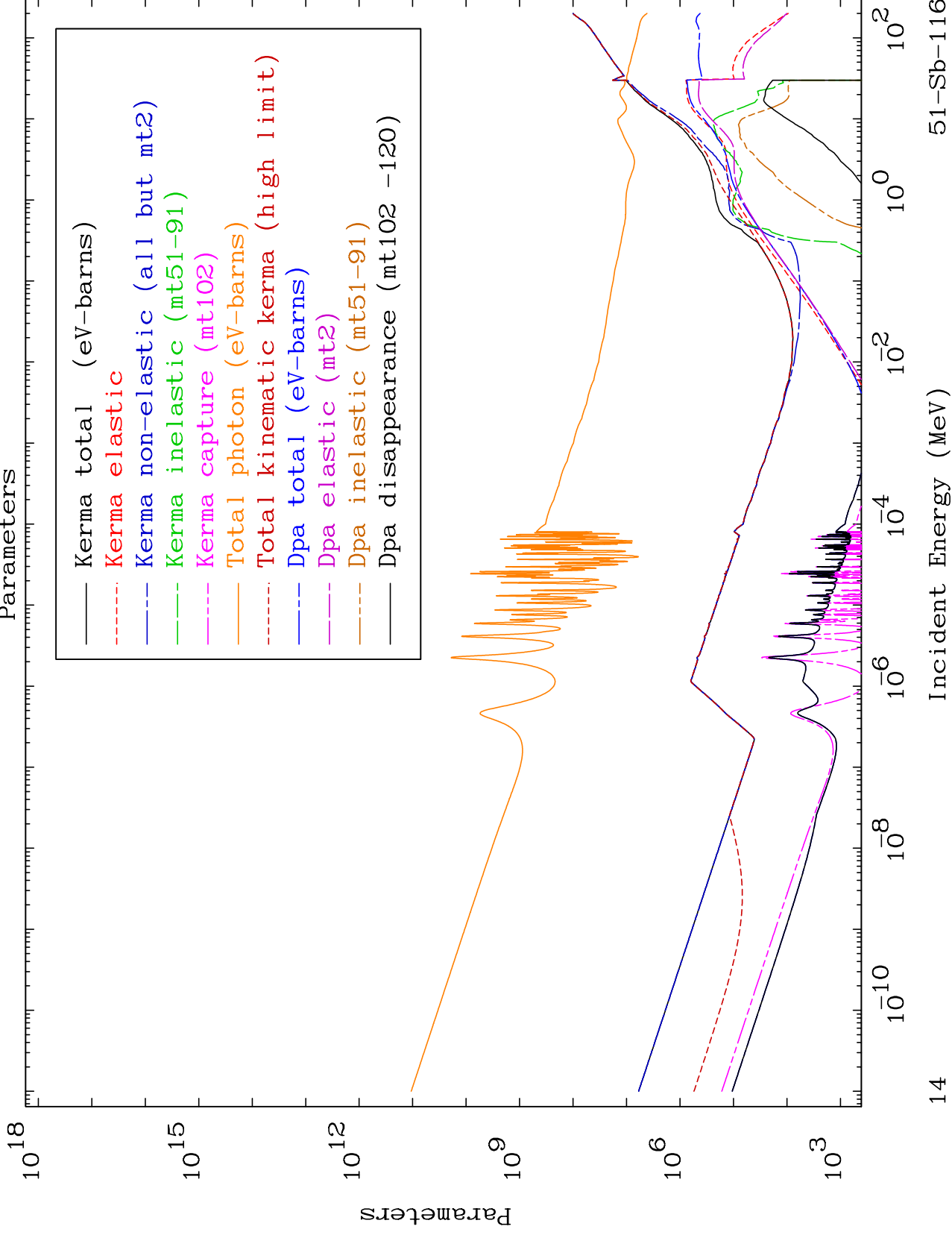
51-Sb-116

MAT 5111

(n,α) Levels  
293 Kelvin Cross Sections

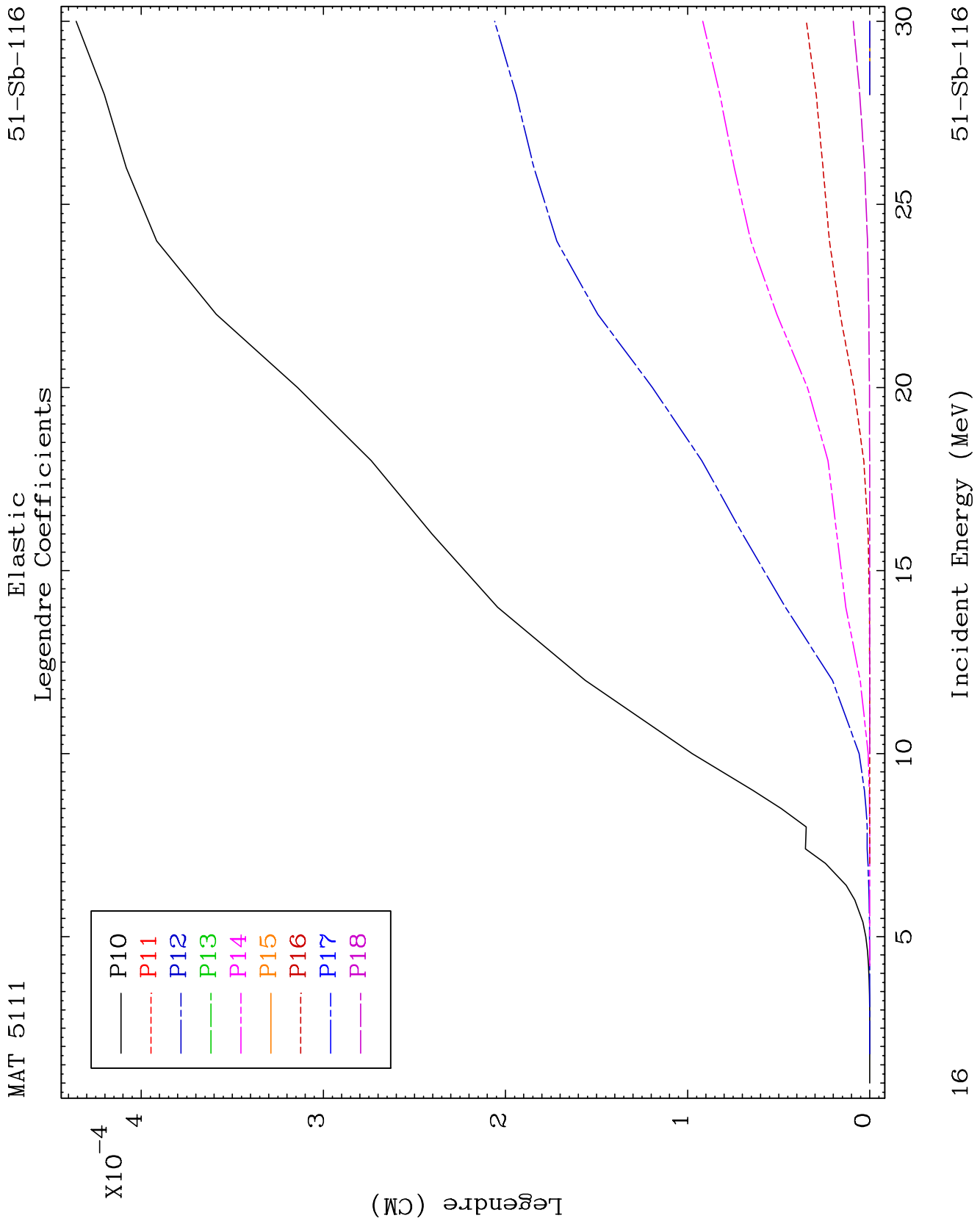
51-Sb-116

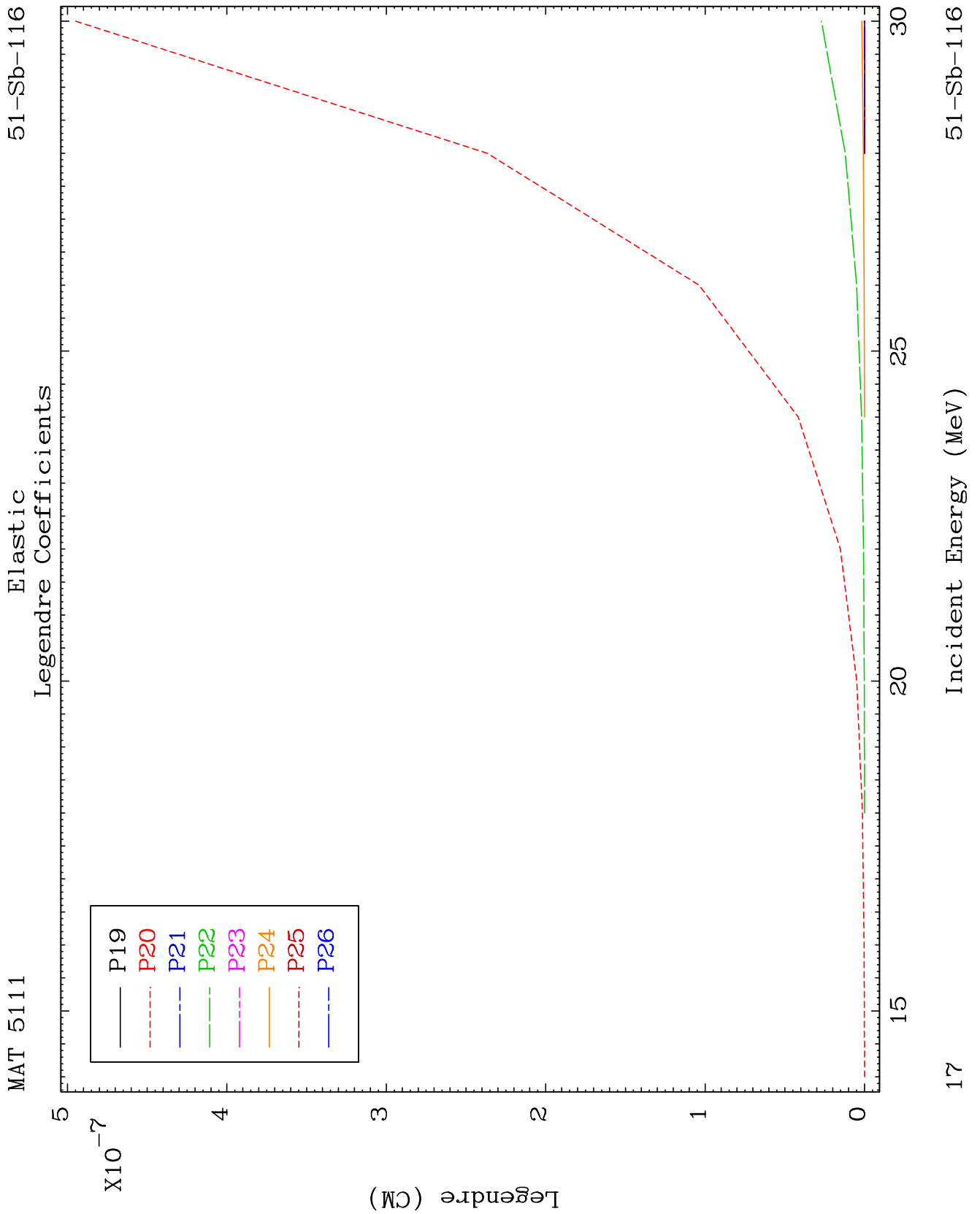








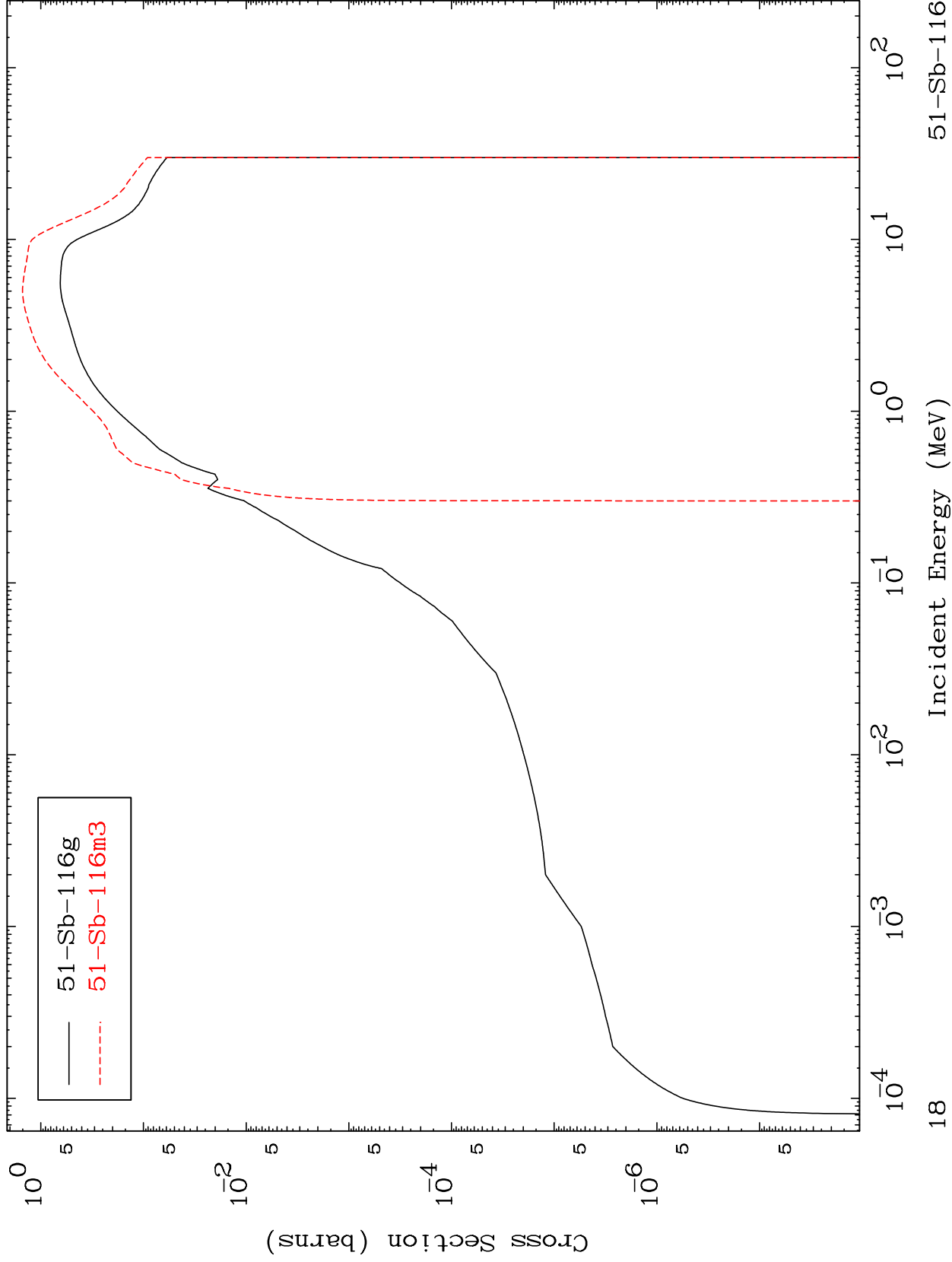




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51-Sb-116

Inelastic  
Radionuclide Production Cross Section

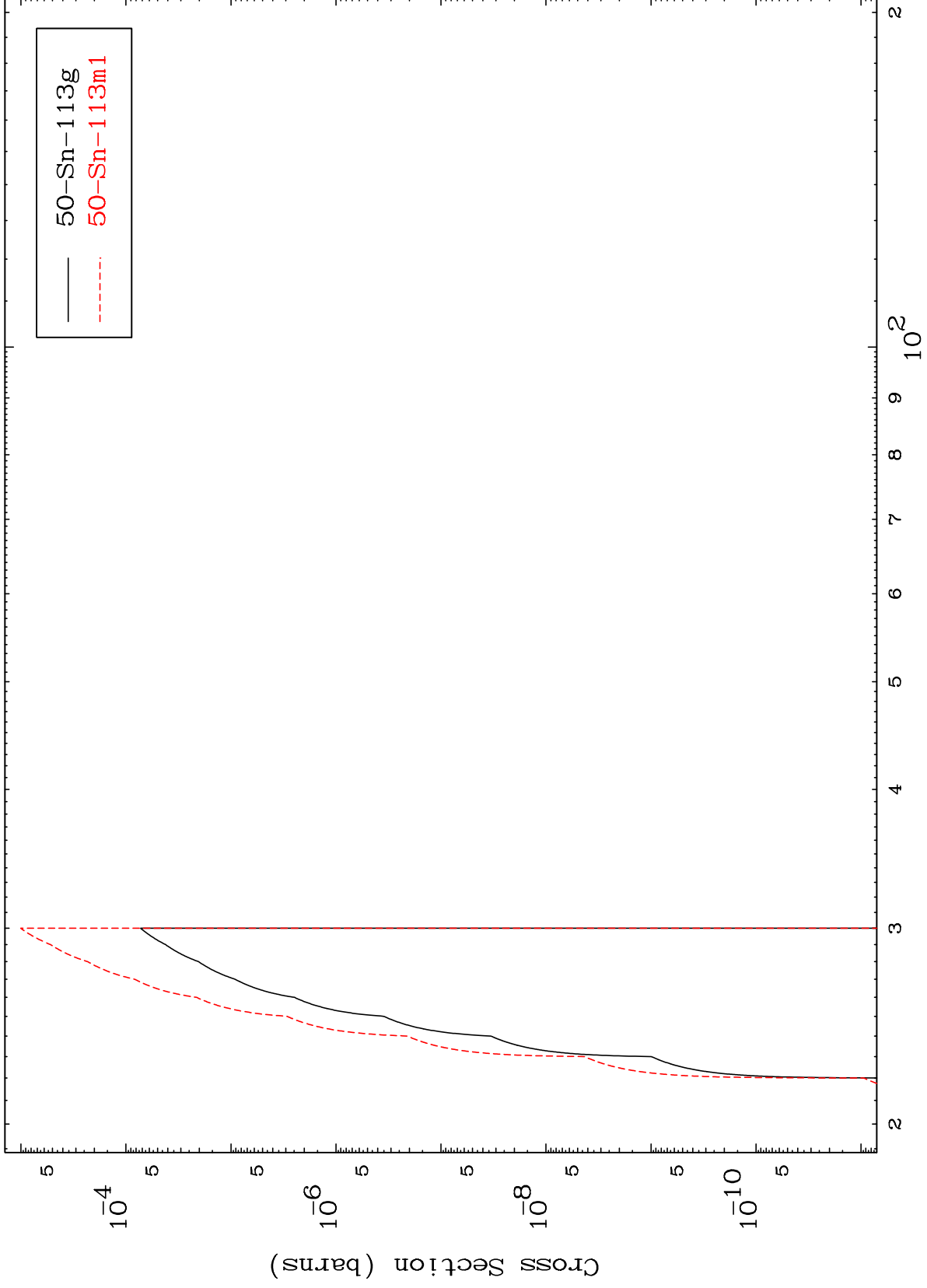


MAT 5111

(n,2n) d

51-Sb-116

Radionuclide Production Cross Section



19

Incident Energy (MeV)

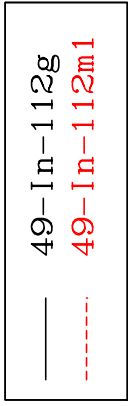
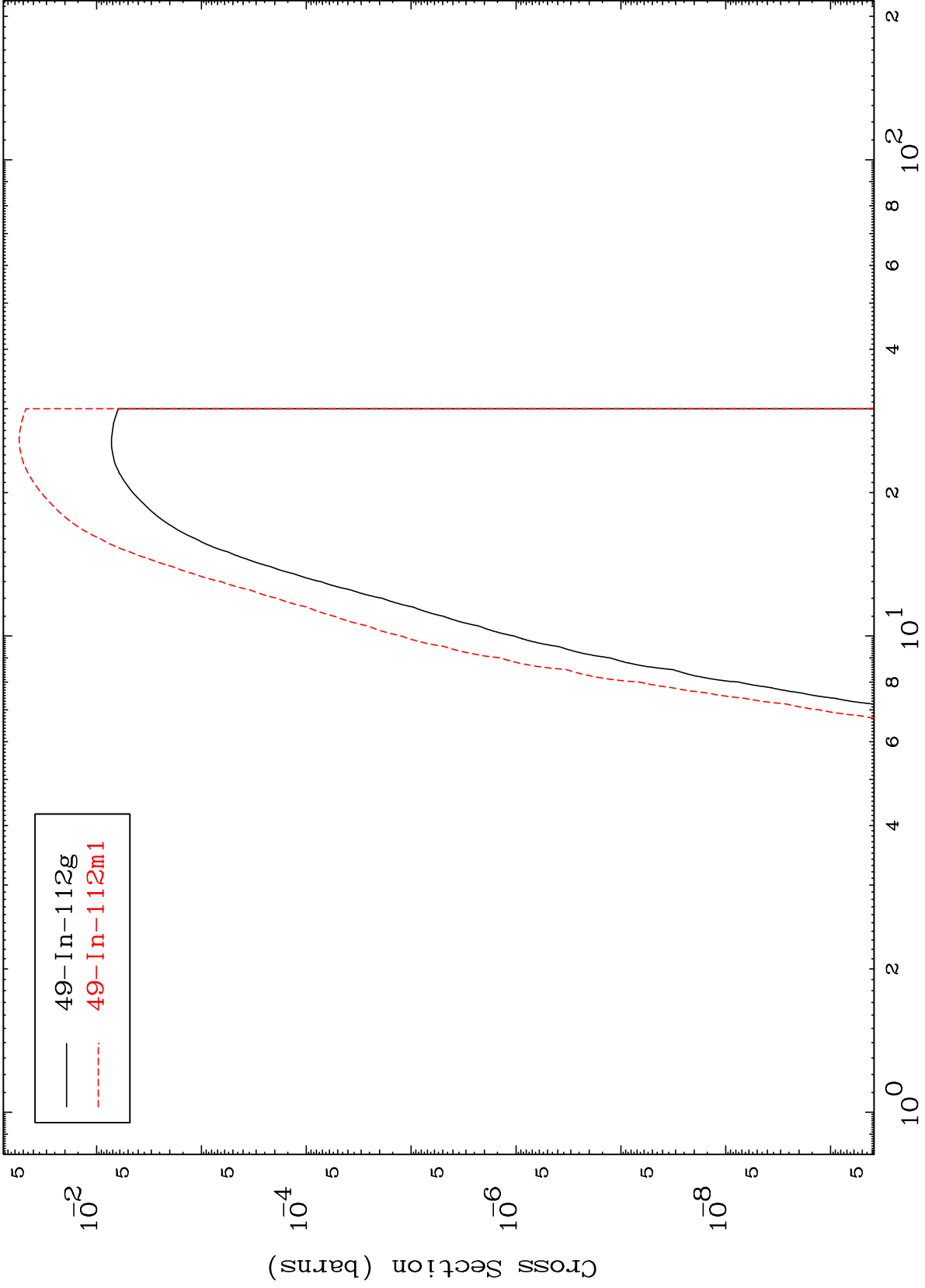
51-Sb-116

MAT 5111

(n,n')  $\alpha$

51-Sb-116

Radionuclide Production Cross Section

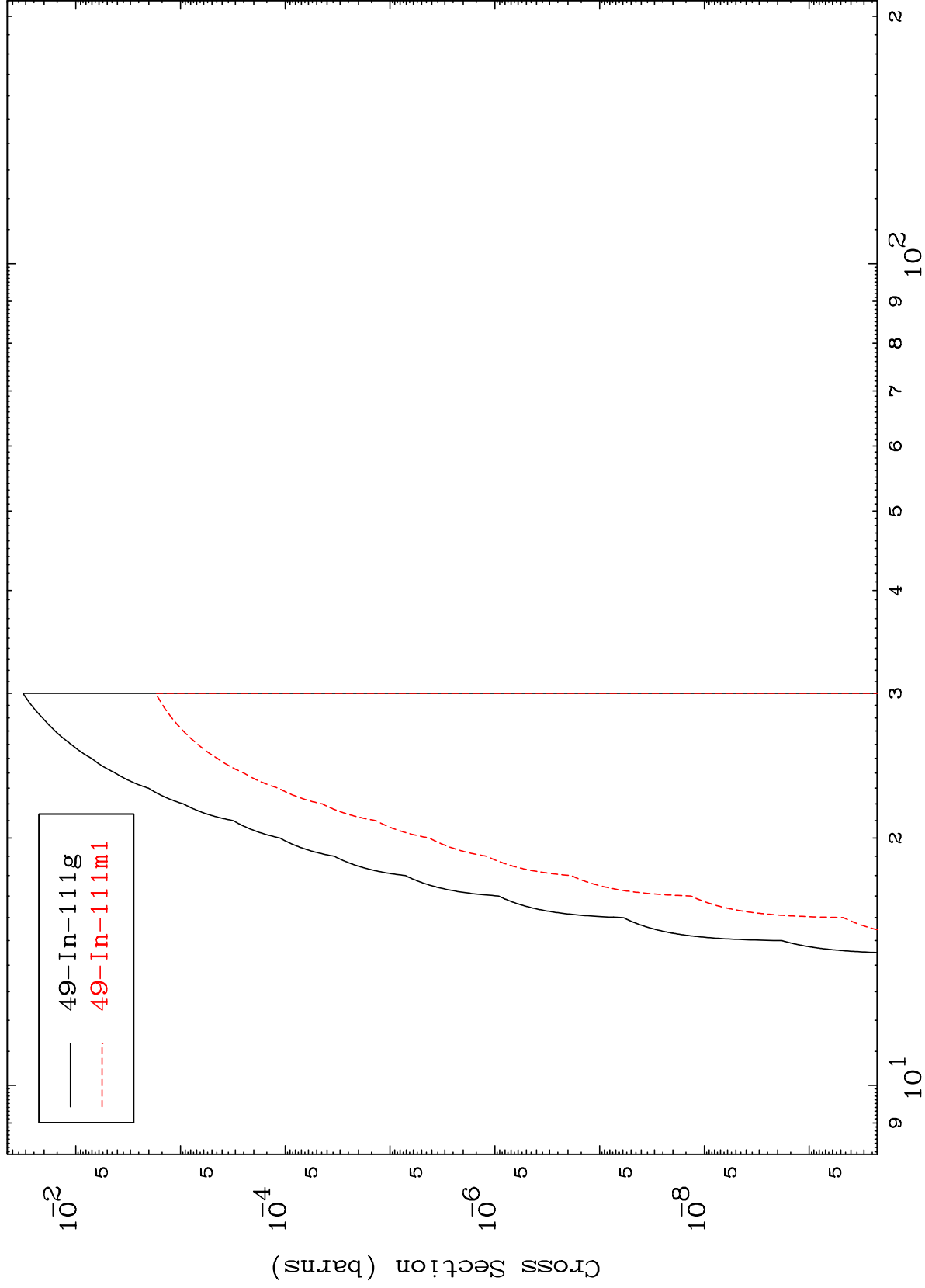


MAT 5111

(n,2n)  $\alpha$

51-Sb-116

Radionuclide Production Cross Section



— 49-In-111g  
- - - 49-In-111m1

21

Incident Energy (MeV)

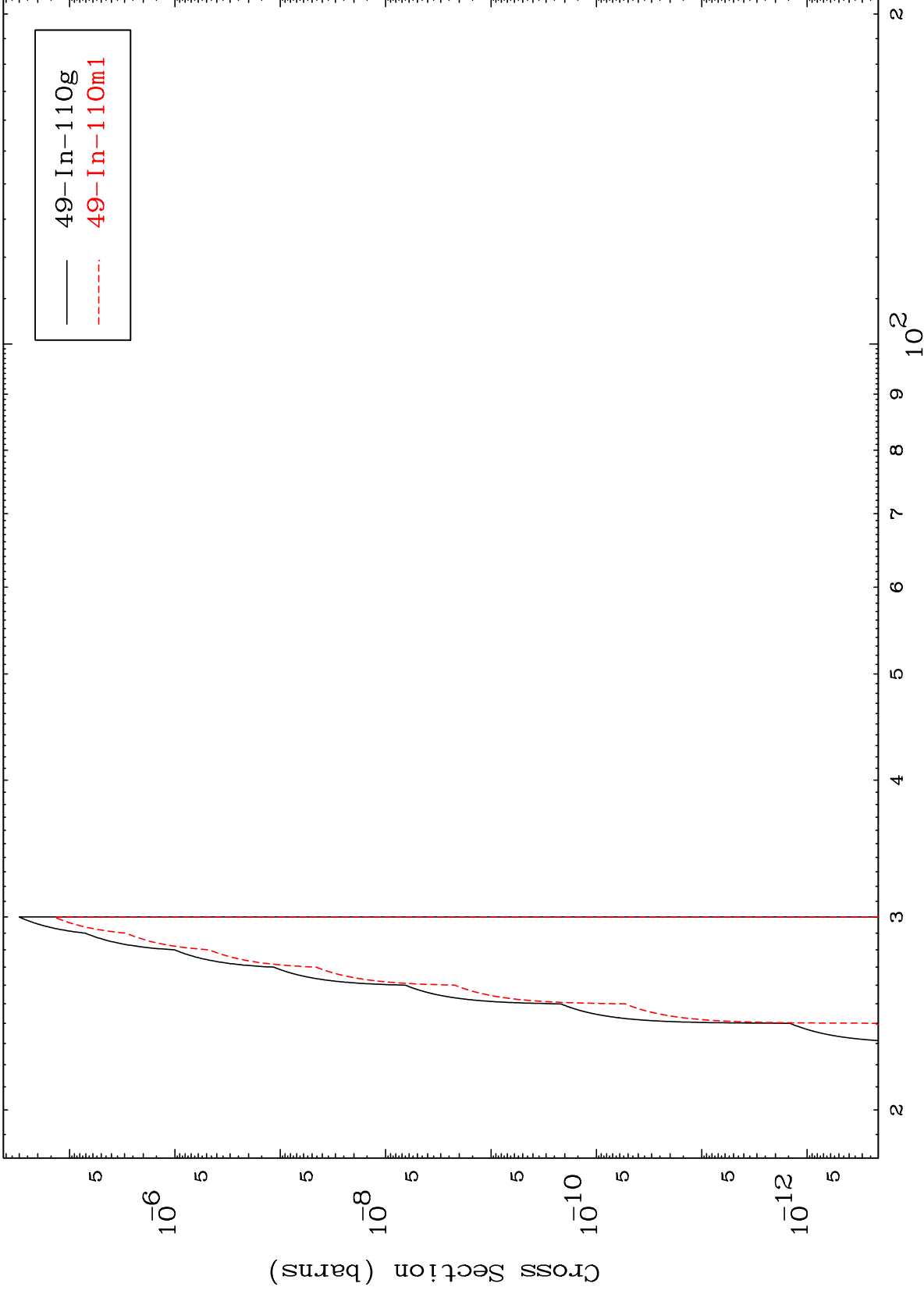
51-Sb-116

MAT 5111

(n,3n)  $\alpha$

51-Sb-116

Radionuclide Production Cross Section



22

Incident Energy (MeV)

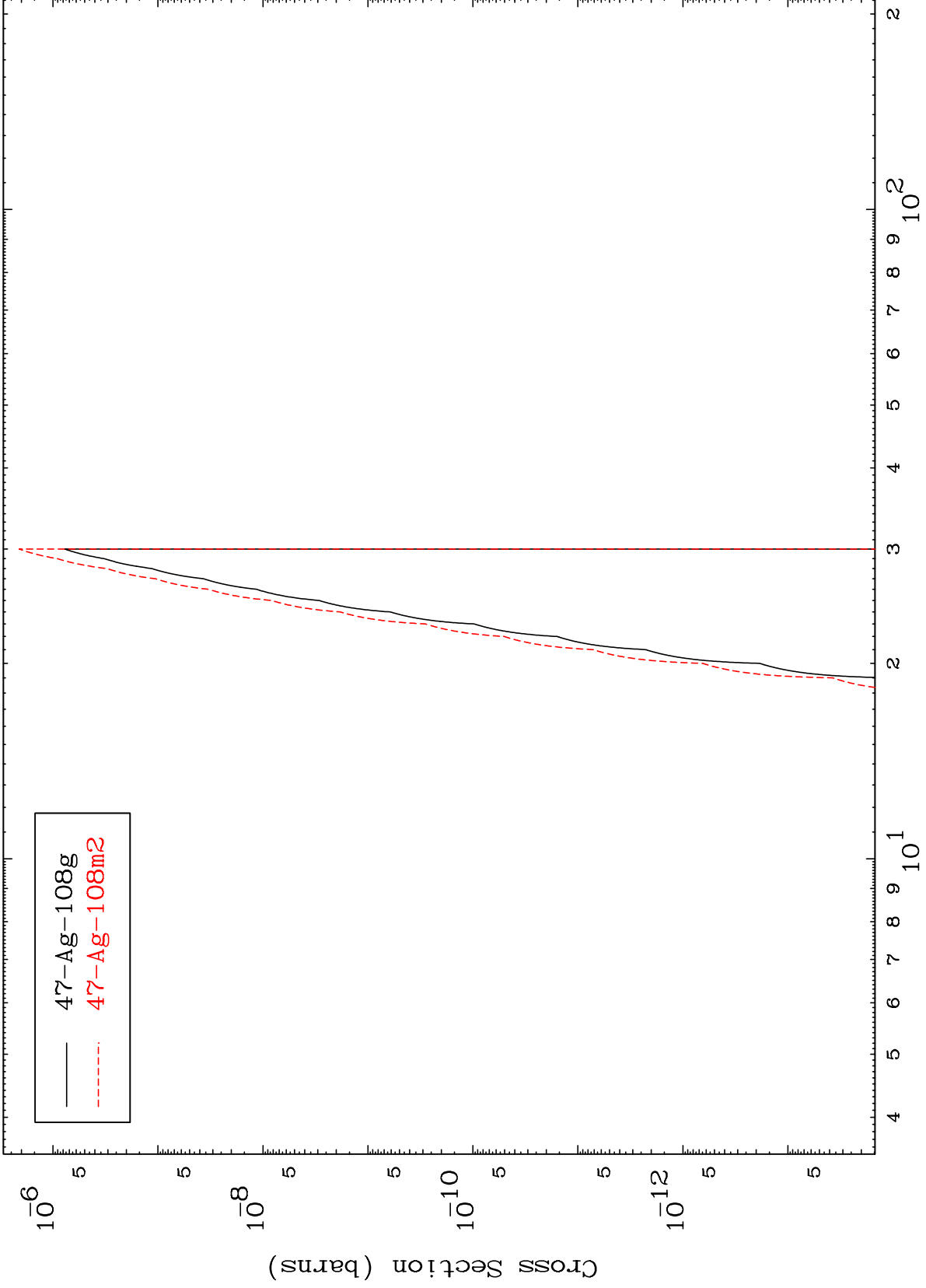
51-Sb-116

MAT 5111

(n,n') 2α

51-Sb-116

Radionuclide Production Cross Section

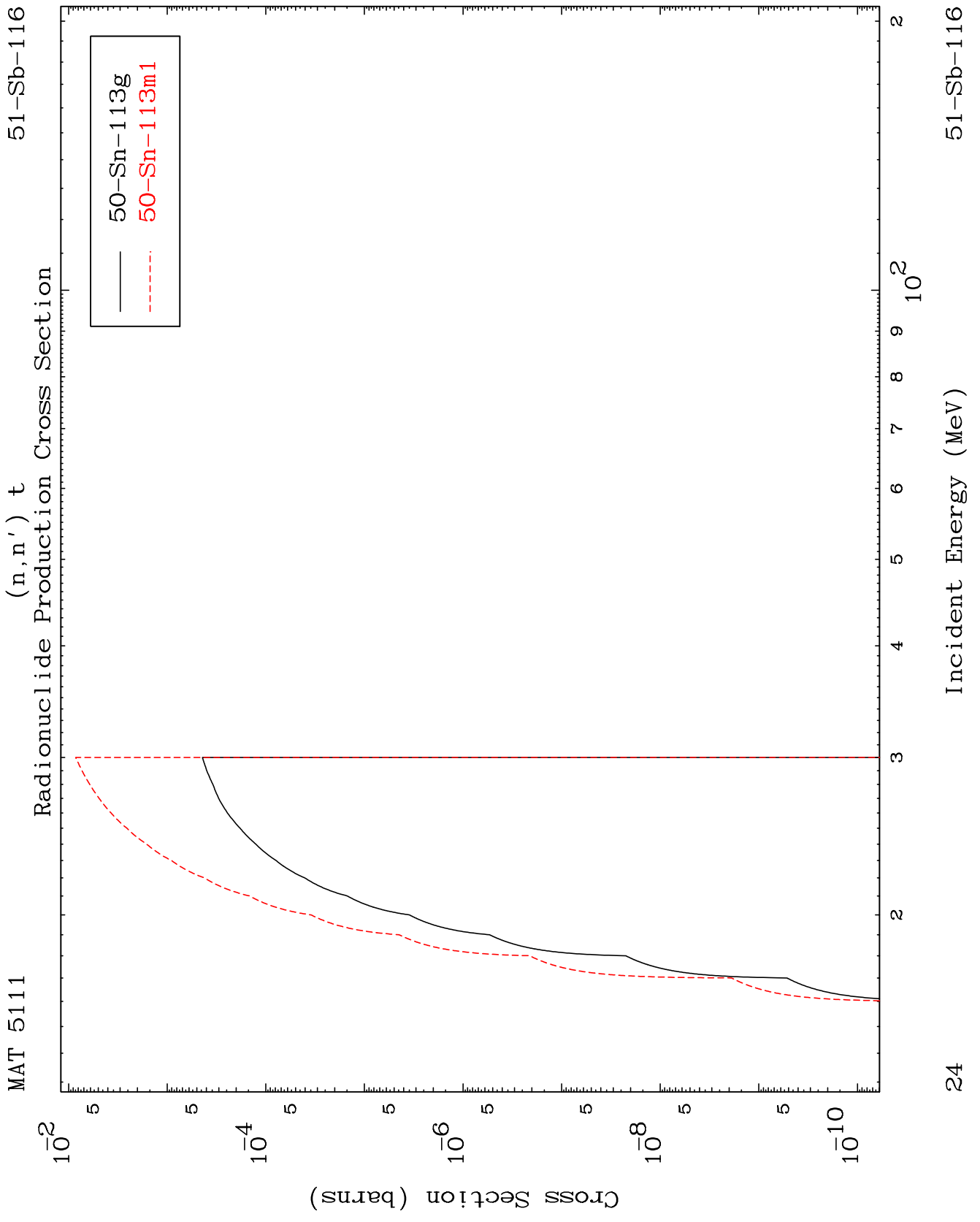


23

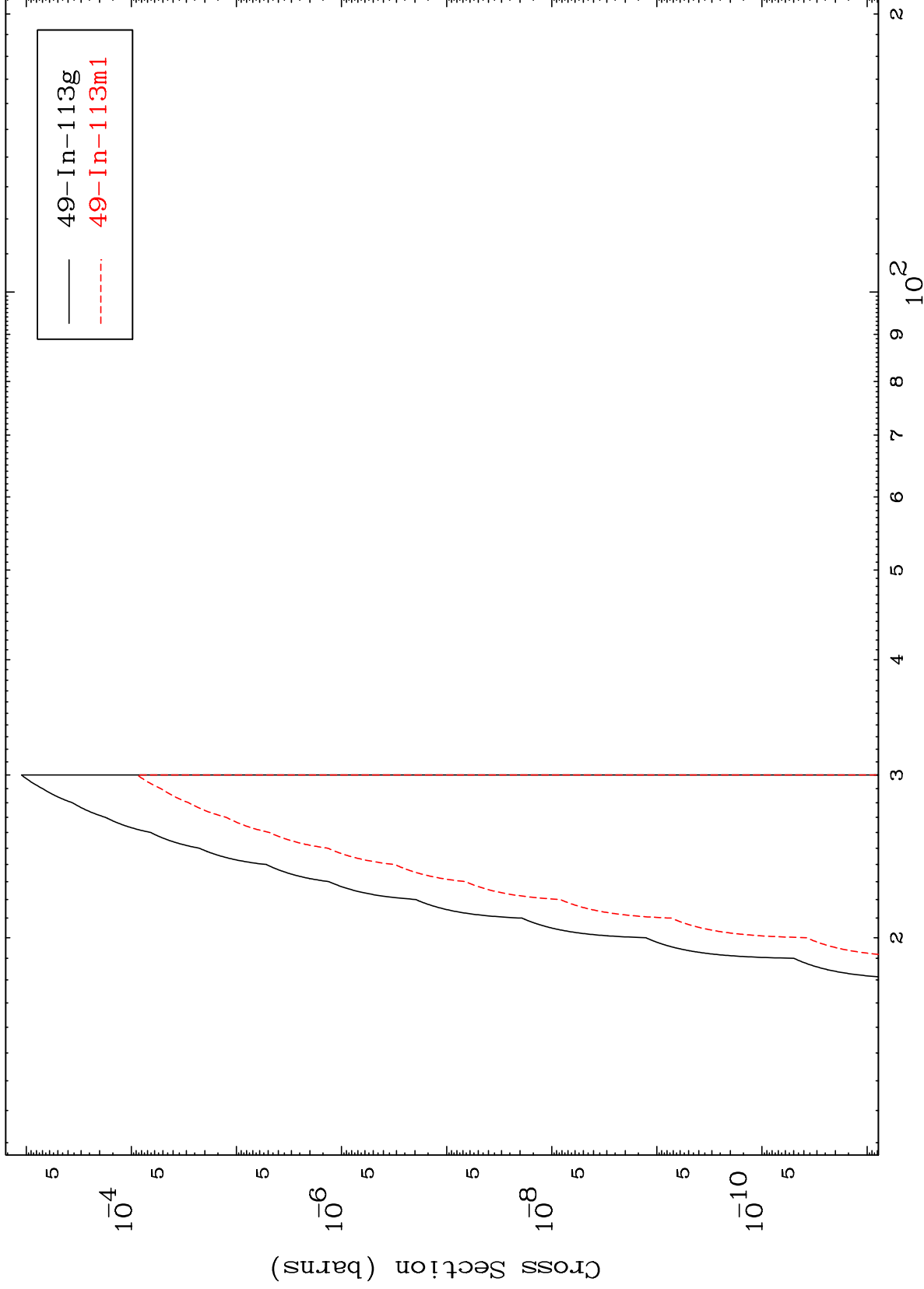
Incident Energy (MeV)

51-Sb-116



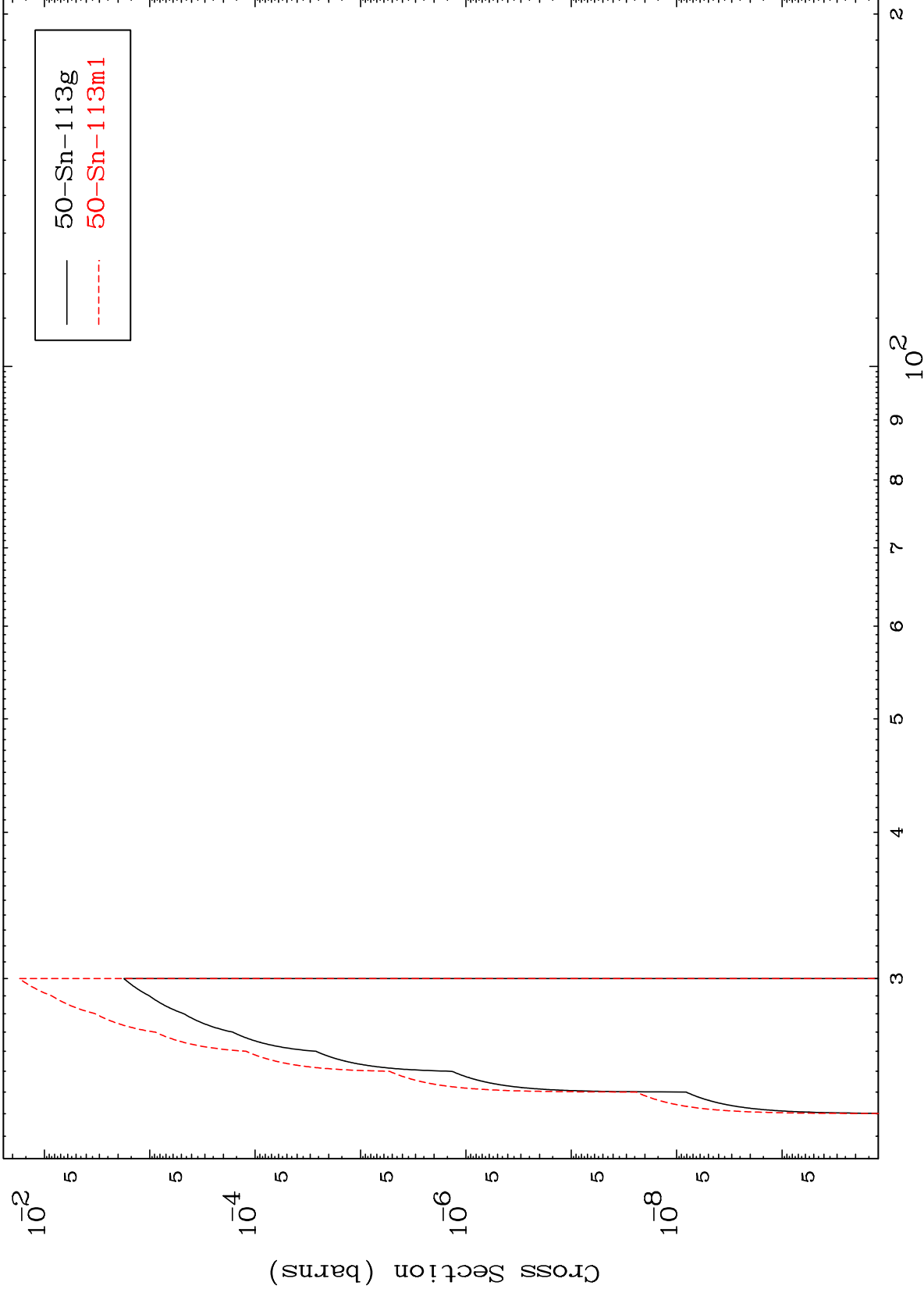


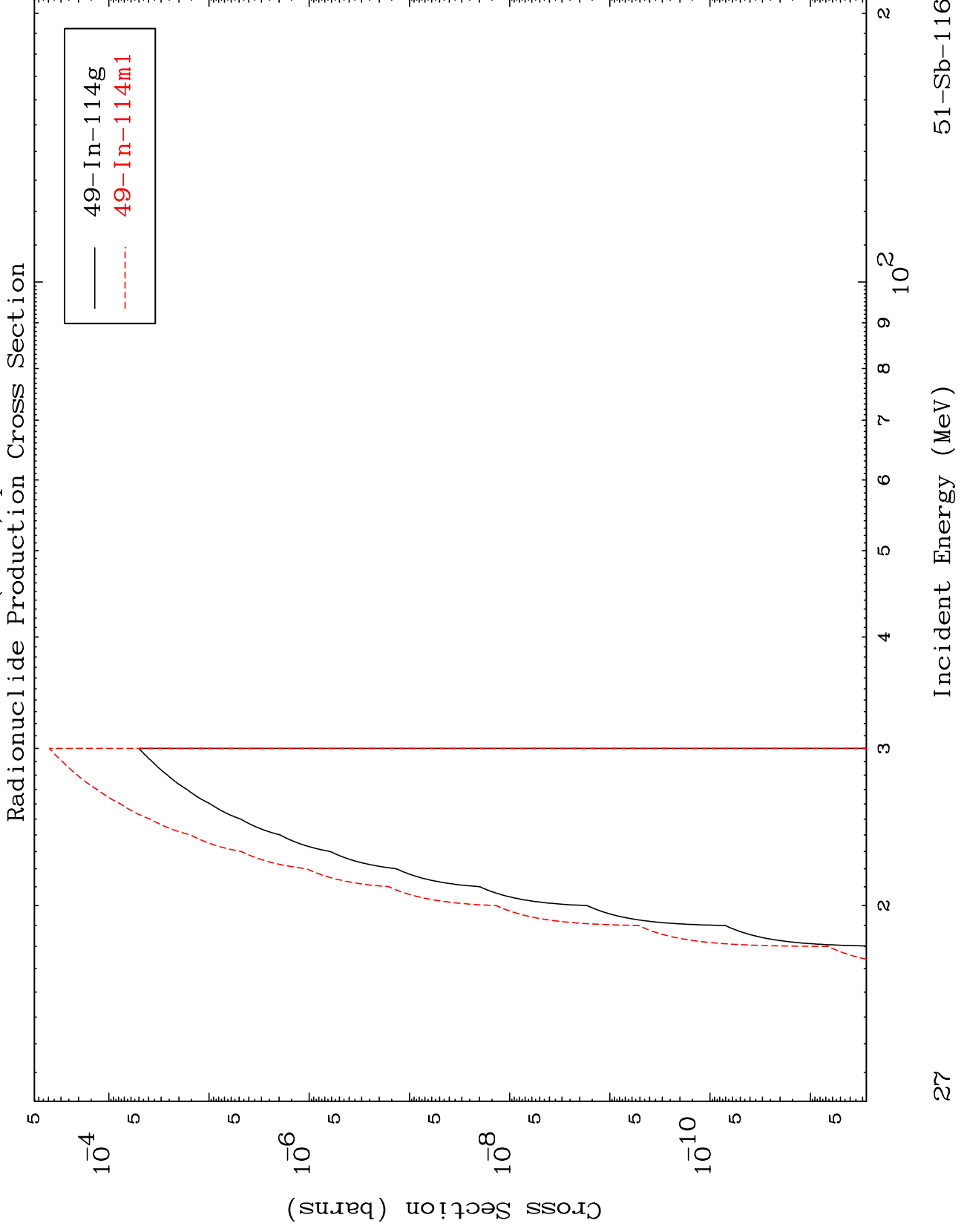
Radionuclide Production Cross Section



— 49-In-113g  
- - - 49-In-113m1

Radionuclide Production Cross Section



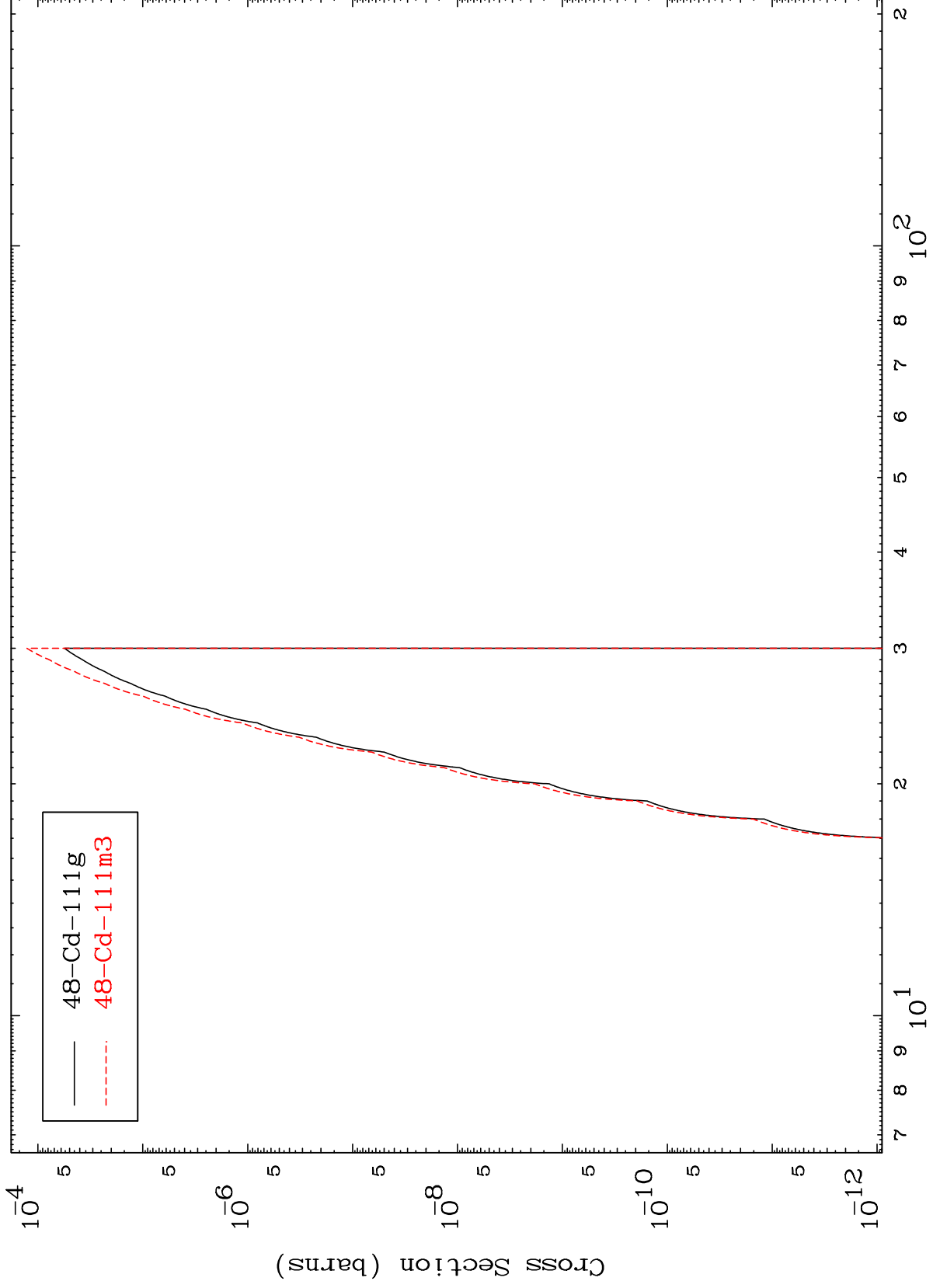


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(n,n') p  $\alpha$

51-Sb-116

Radionuclide Production Cross Section



28

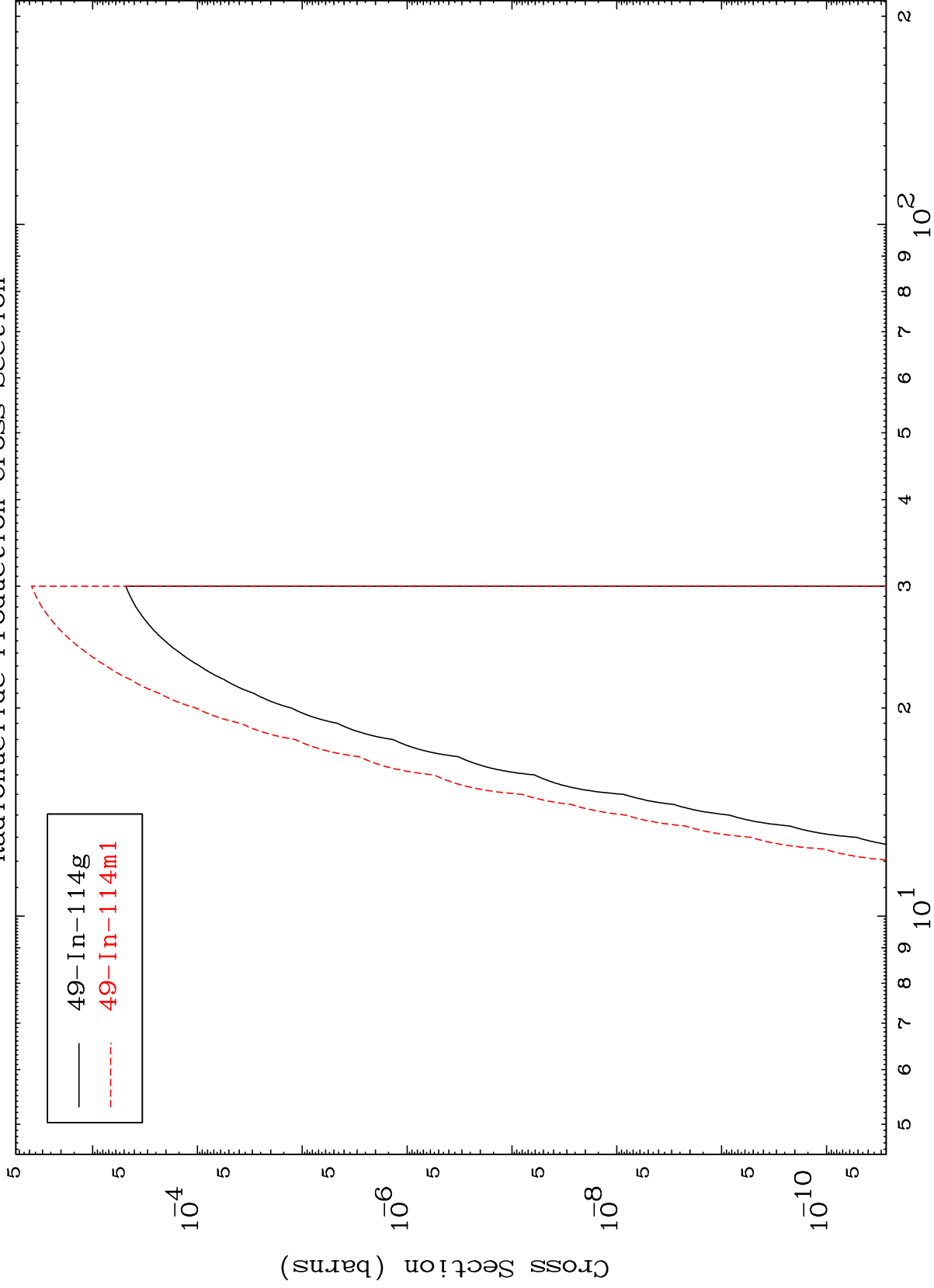
Incident Energy (MeV)

51-Sb-116

MAT 5111

51-Sb-116

(n,He-3)  
Radionuclide Production Cross Section



Incident Energy (MeV)

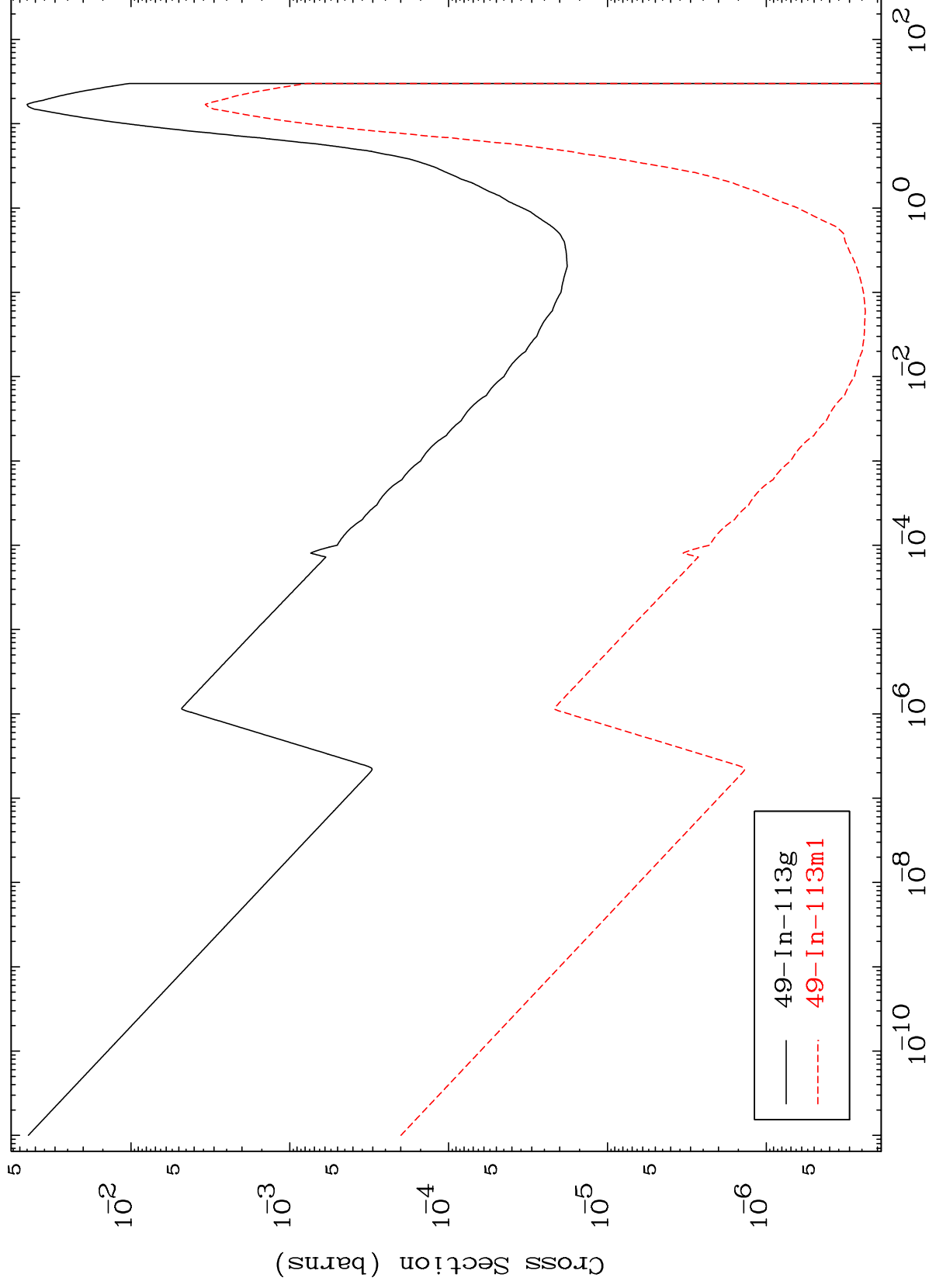
51-Sb-116

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51-Sb-116

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



51-Sb-116

Incident Energy (MeV)

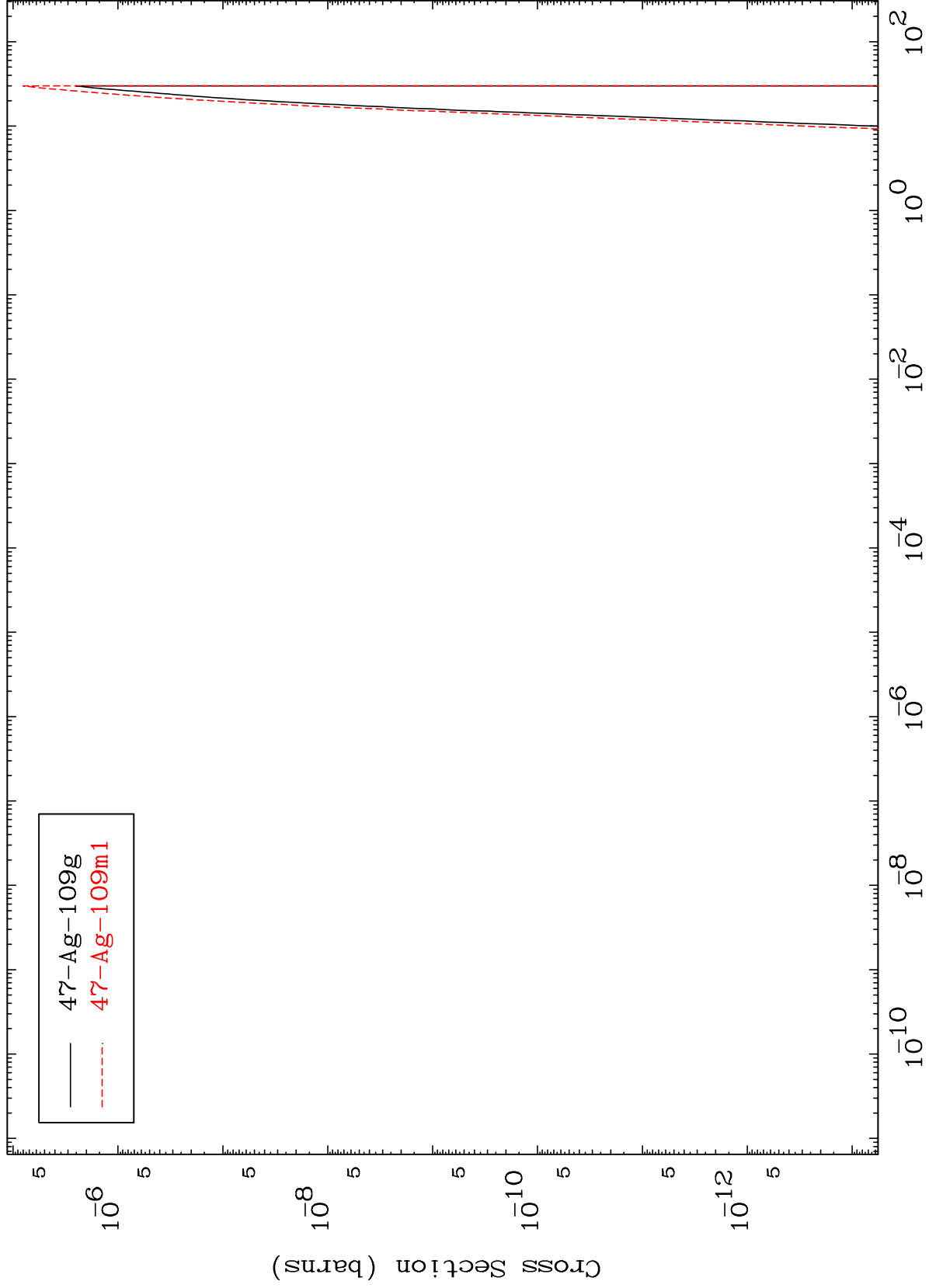
30

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(n,2α)

51-Sb-116

Radionuclide Production Cross Section

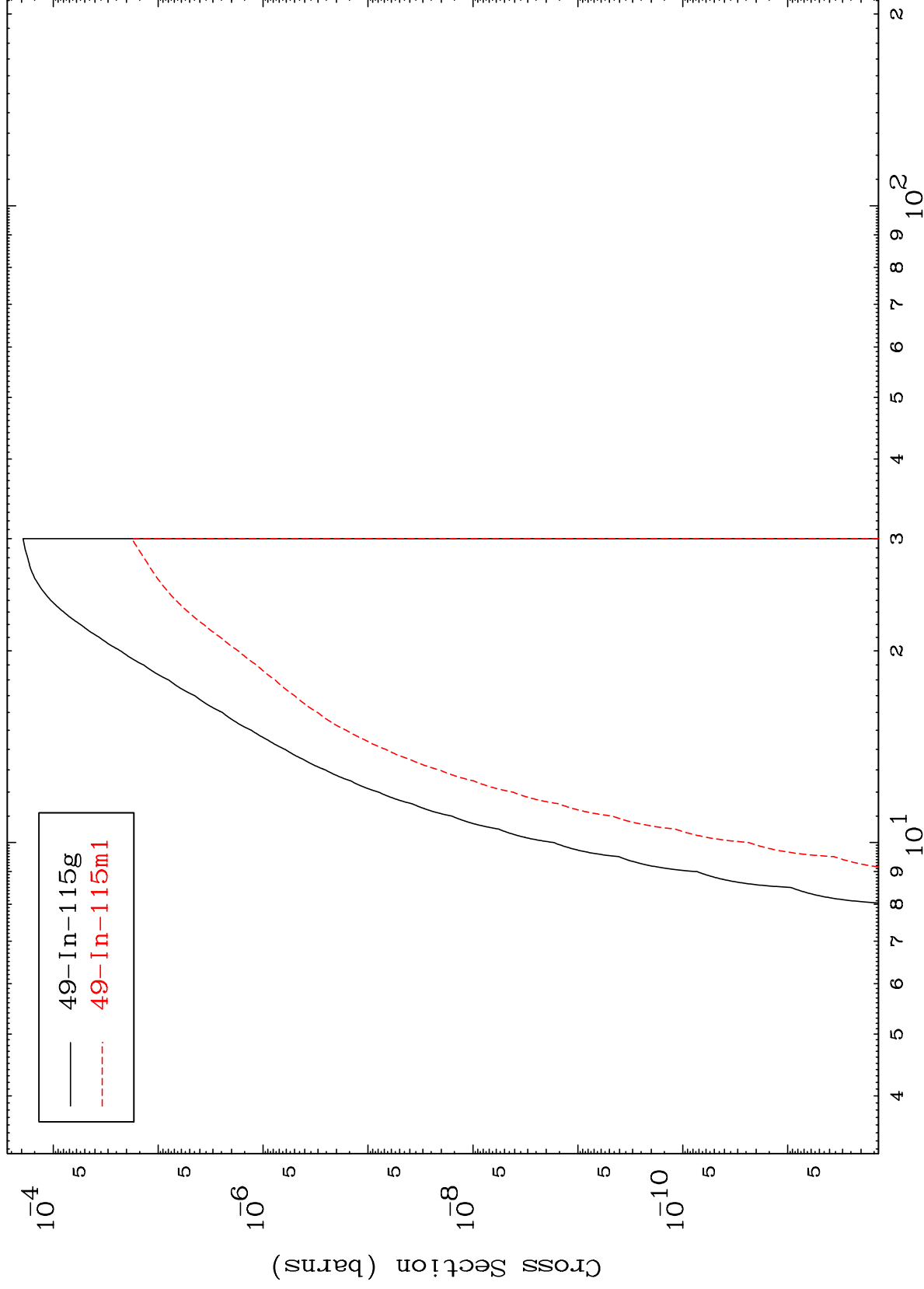




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51-Sb-116

(n,2p)  
Radionuclide Production Cross Section



32

Incident Energy (MeV)

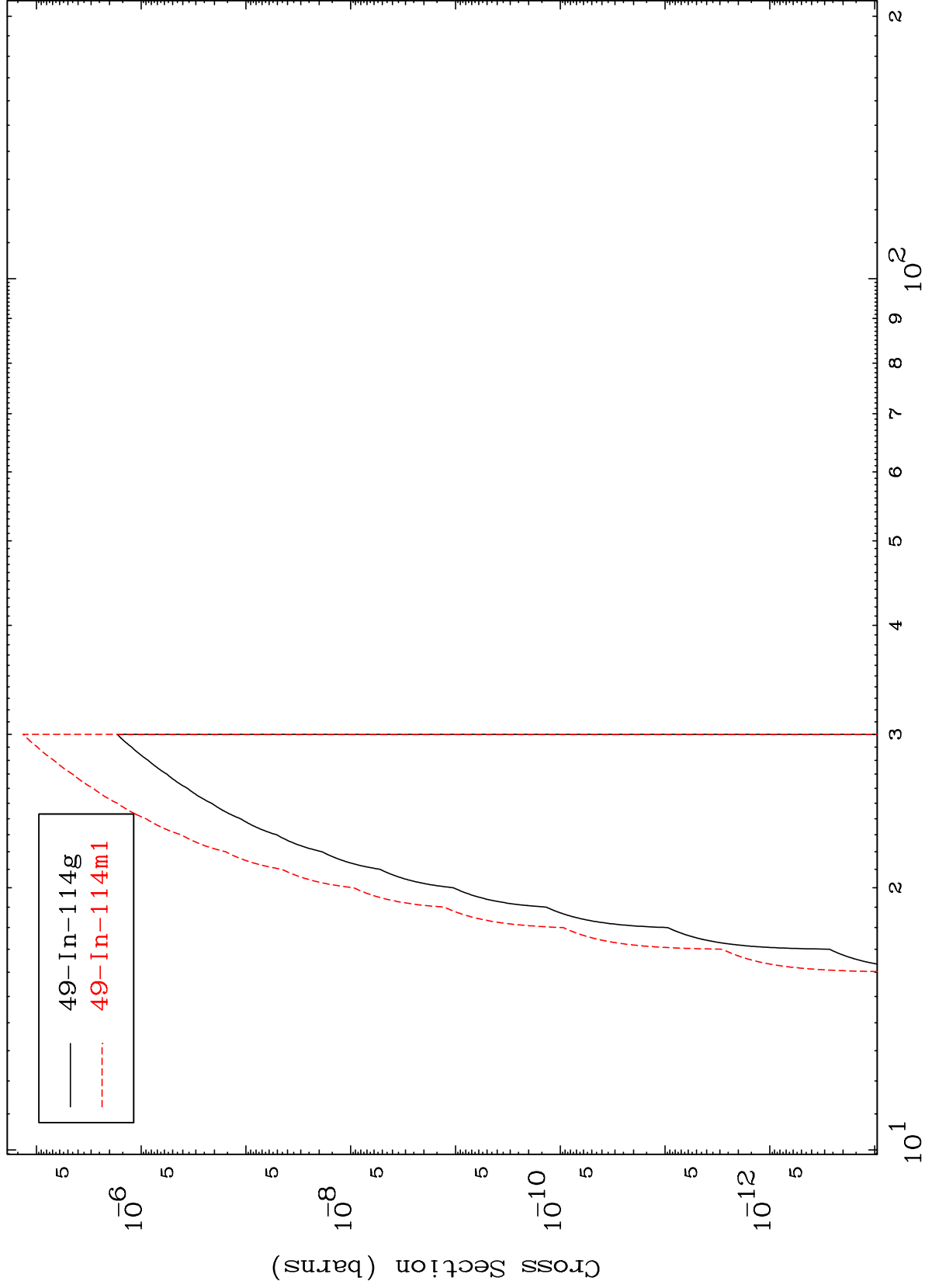
51-Sb-116

MAT 5111

(n,p) d

51-Sb-116

Radionuclide Production Cross Section



Incident Energy (MeV)

51-Sb-116

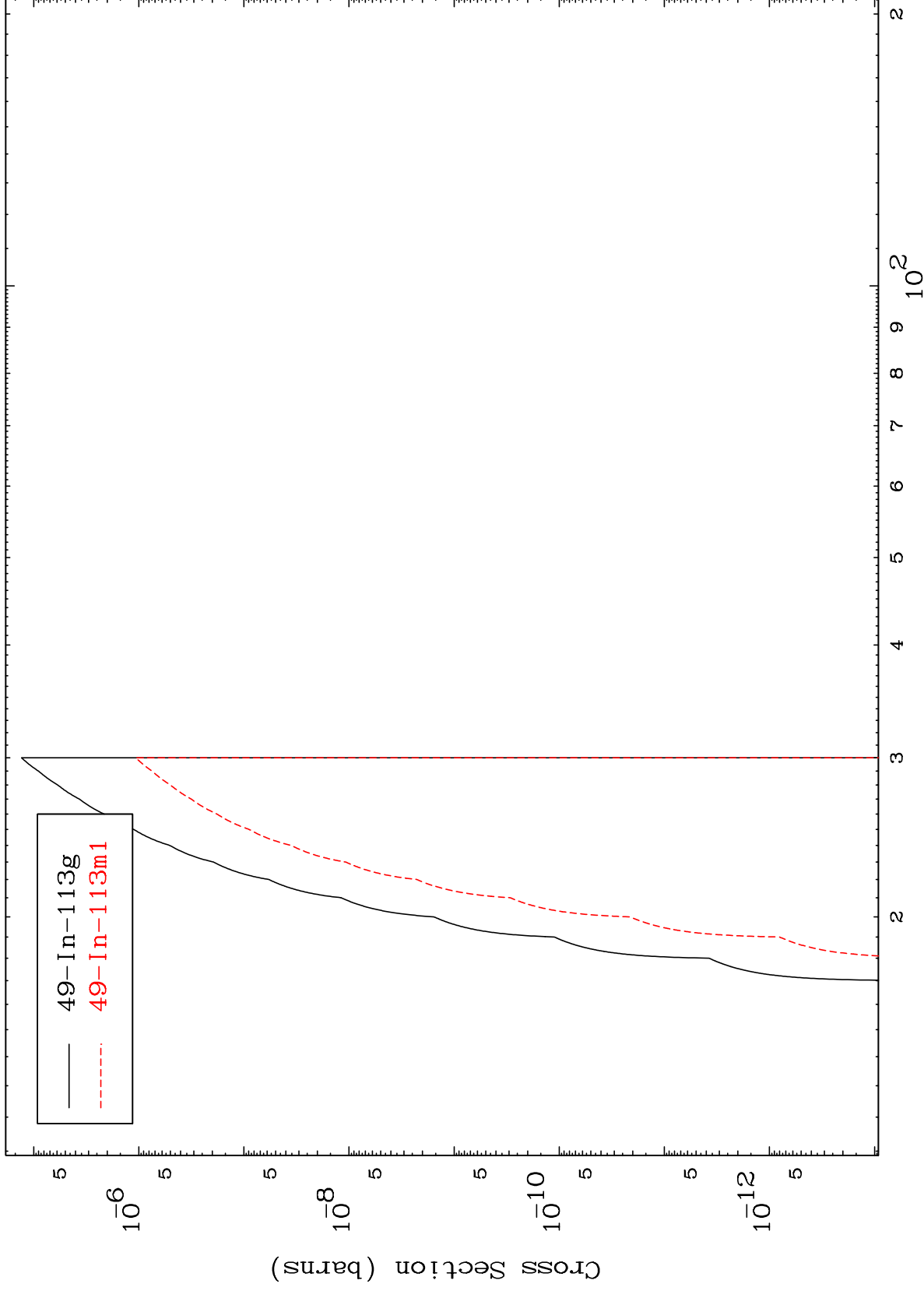
33

MAT 5111

(n,p) t

51-Sb-116

Radionuclide Production Cross Section



34

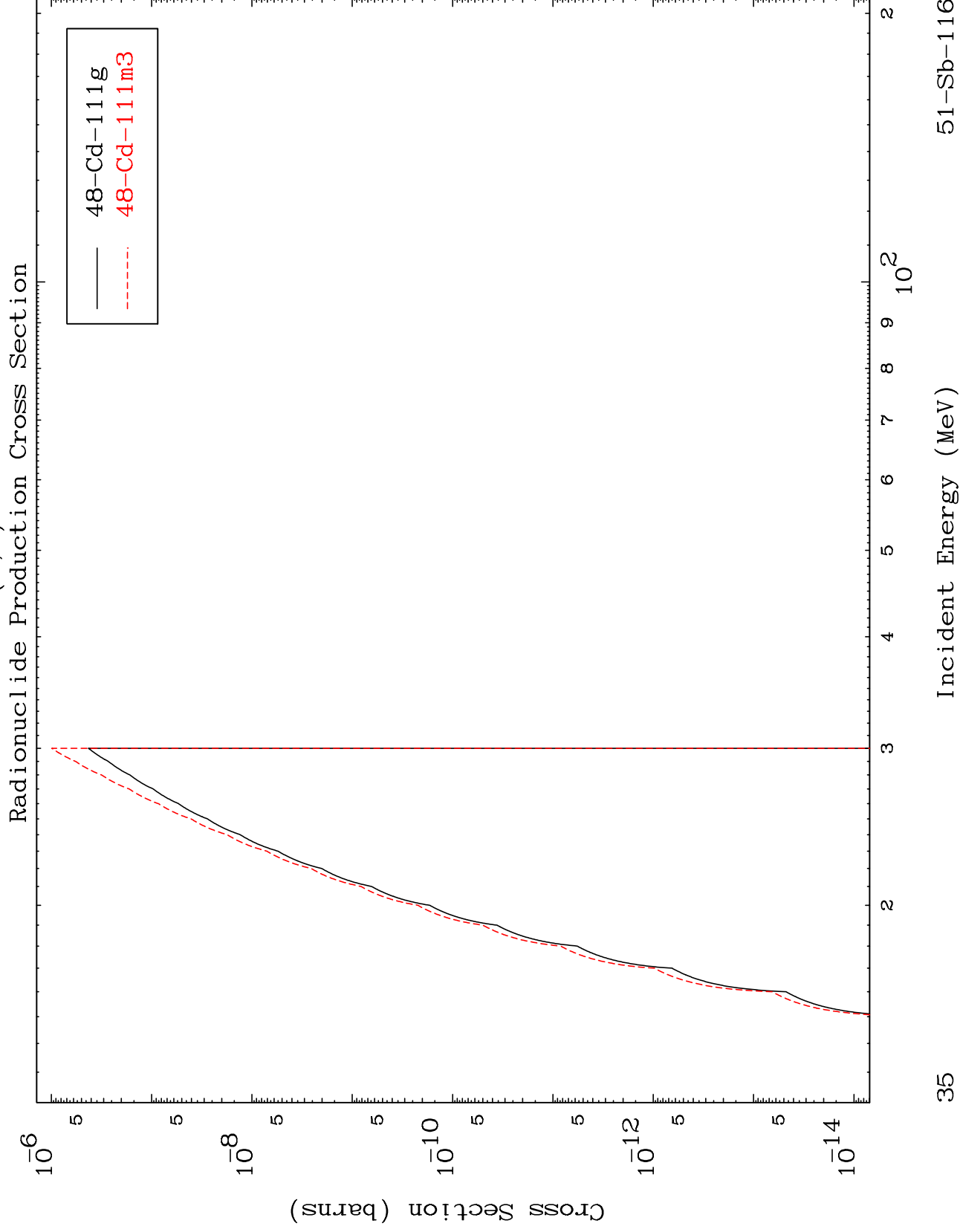
Incident Energy (MeV)

51-Sb-116

MAT 5111

(n,d)  $\alpha$

51-Sb-116



35

51-Sb-116