

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

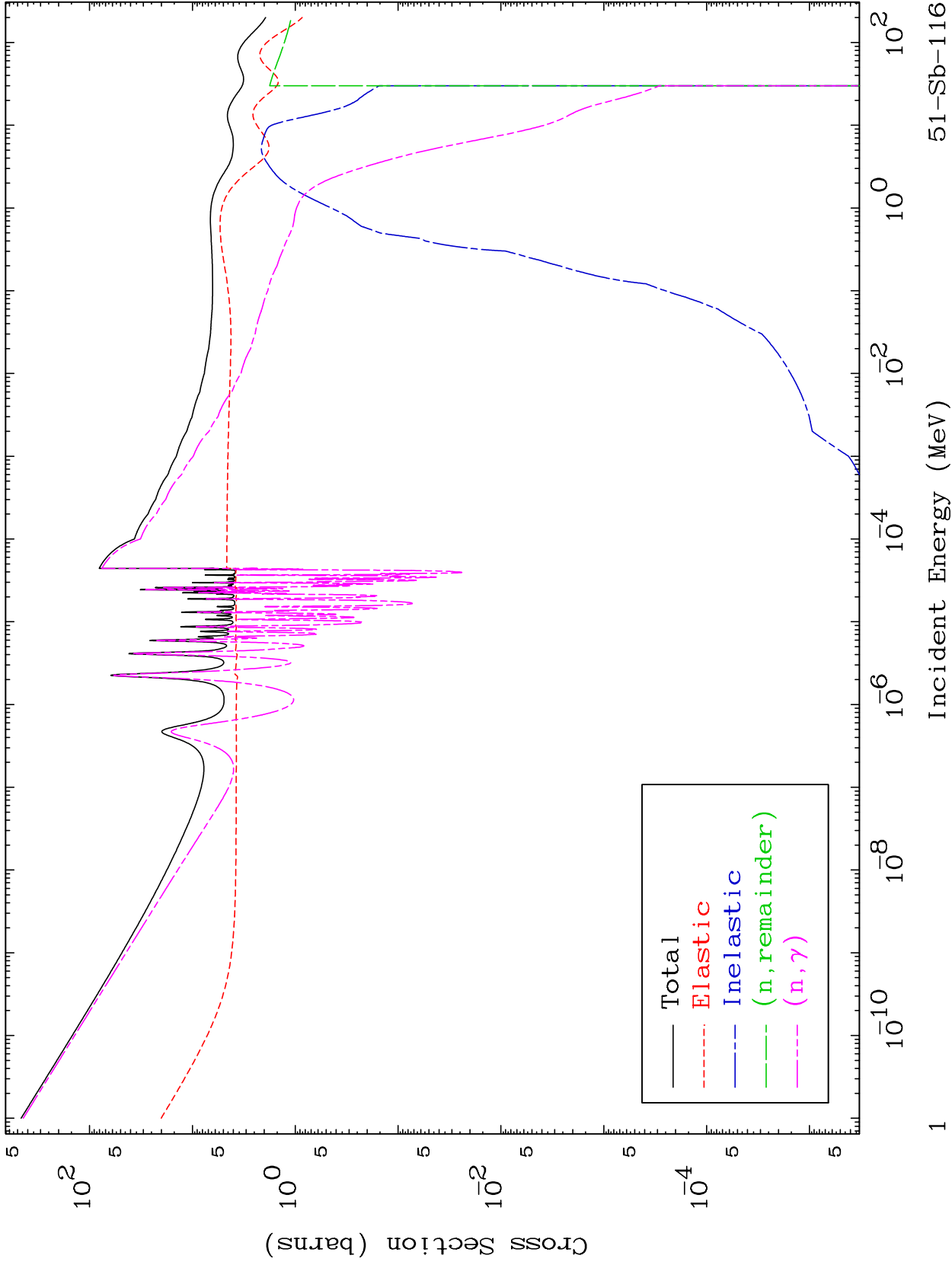
Press Mouse Button to Start

MAT 5111

Major

293 Kelvin Cross Sections

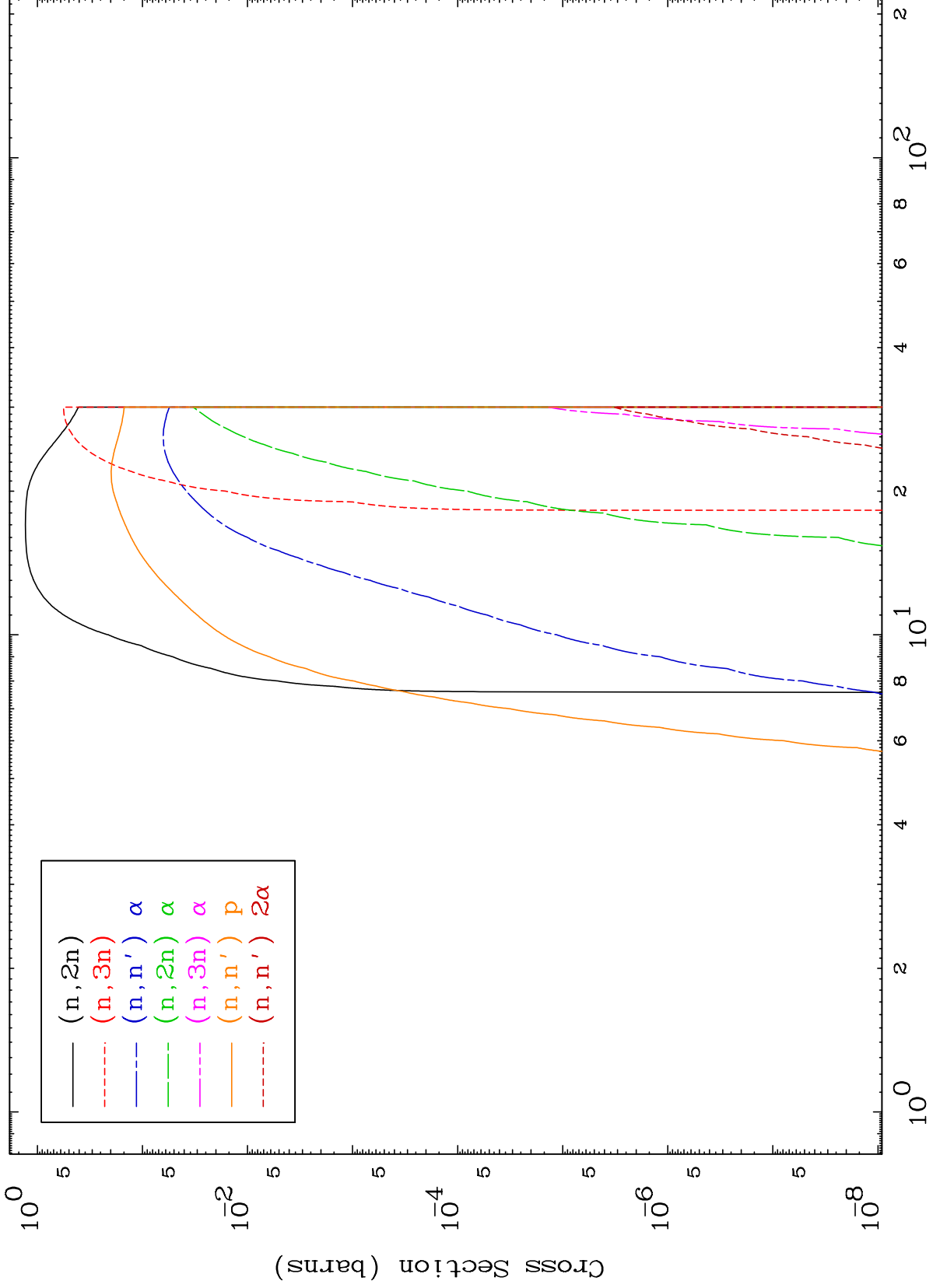
51-Sb-116



MAT 5111

Neutron Production  
293 Kelvin Cross Sections

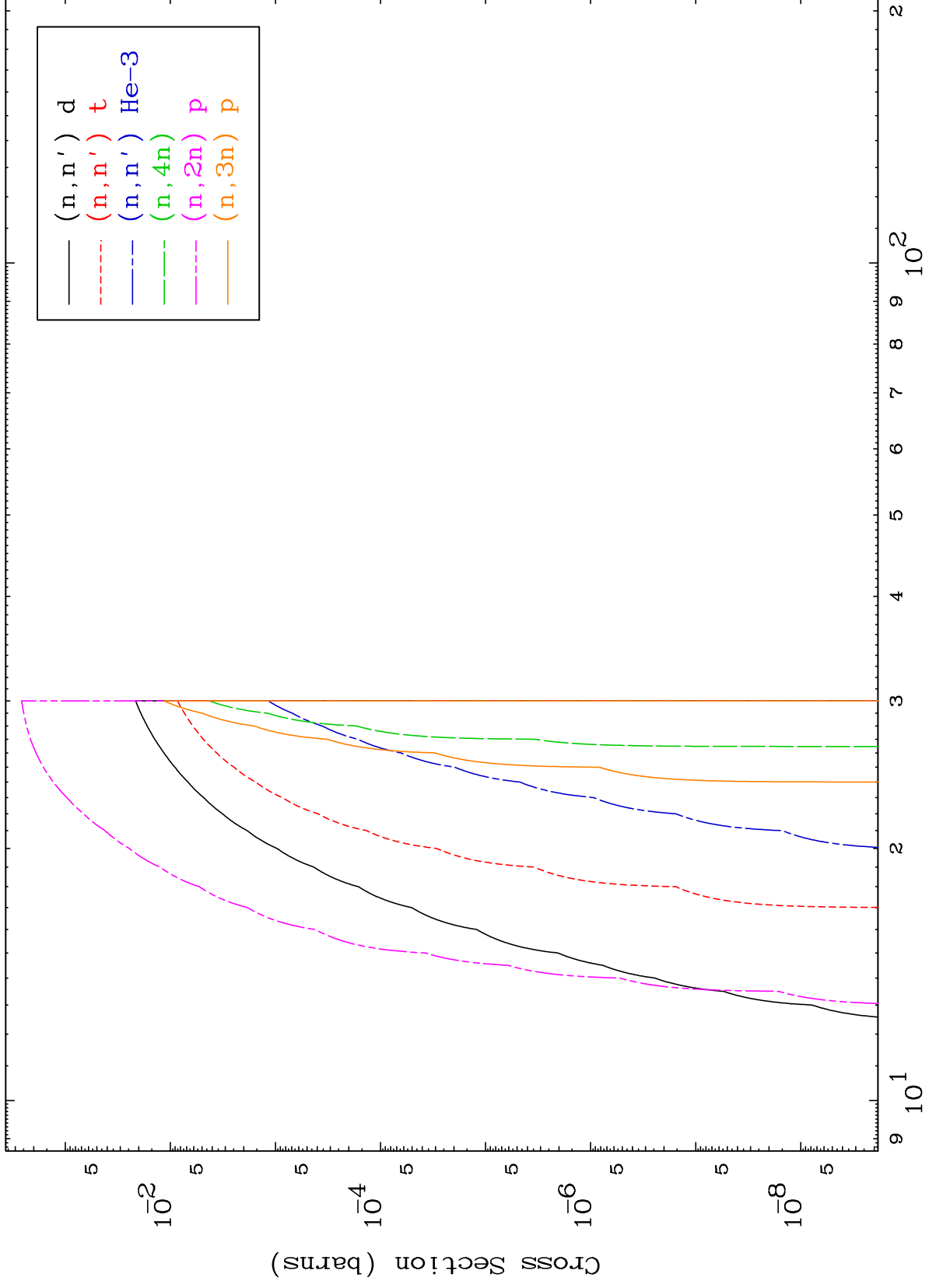
51-Sb-116



51-Sb-116

Incident Energy (MeV)

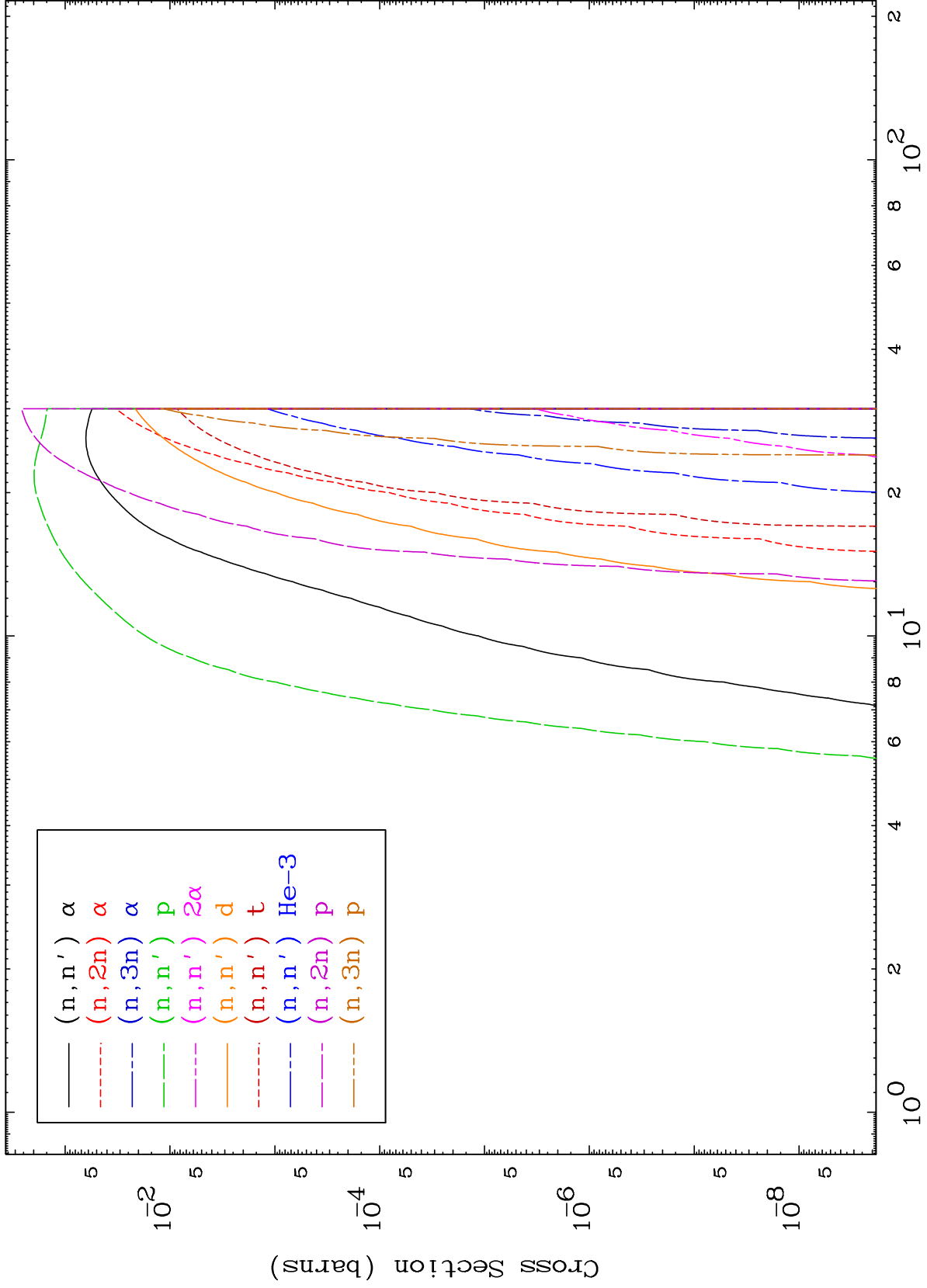
2



MAT 5111

Charged Particle  
293 Kelvin Cross Sections

51-Sb-116



4

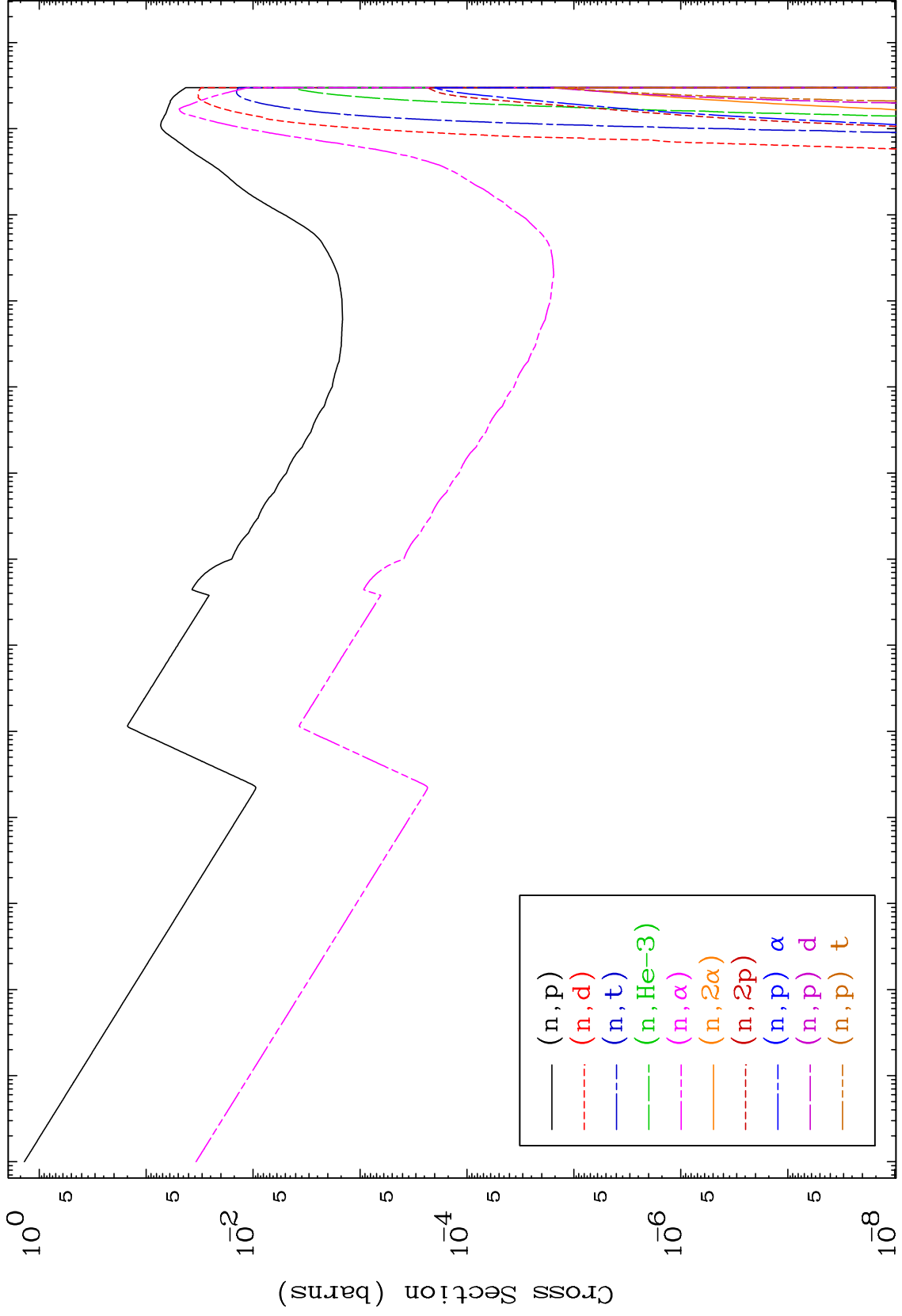
Incident Energy (MeV)

51-Sb-116

MAT 5111

Charged Particle  
293 Kelvin Cross Sections

51-Sb-116



5

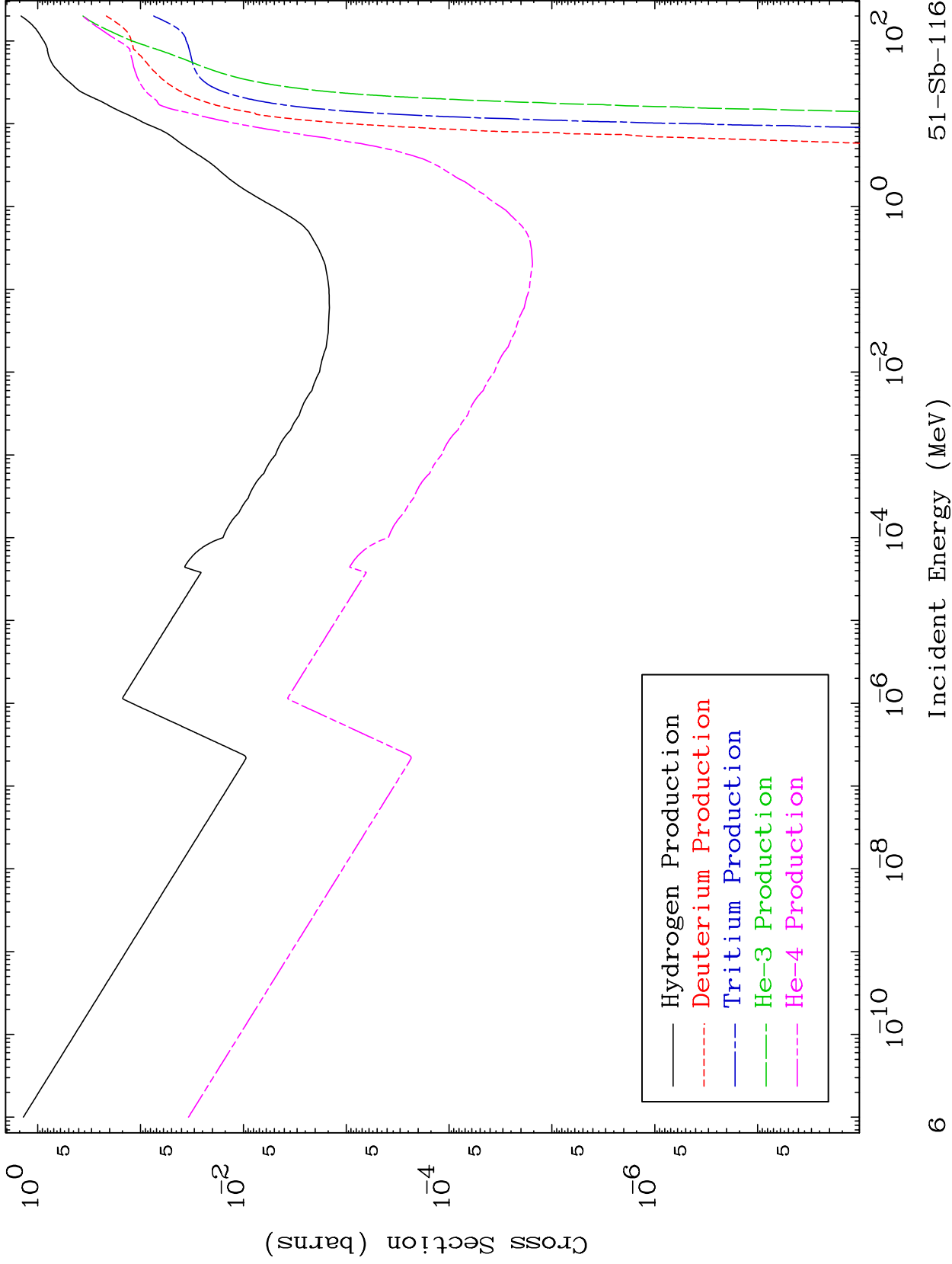
Incident Energy (MeV)

51-Sb-116

MAT 5111

Particle Production  
293 Kelvin Cross Sections

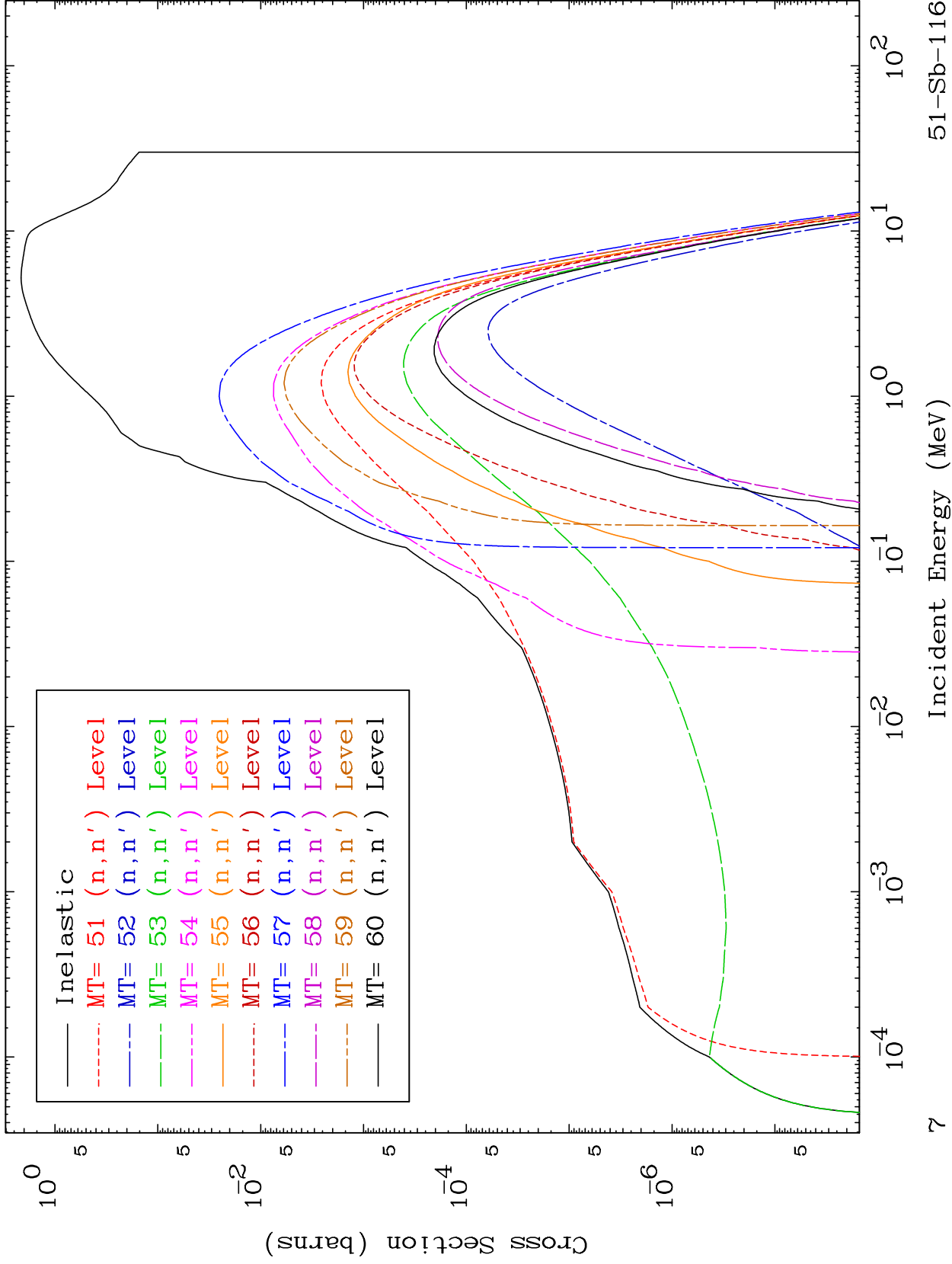
51-Sb-116



MAT 5111

293 Kelvin Cross Sections  
(n,n') Level

51-Sb-116

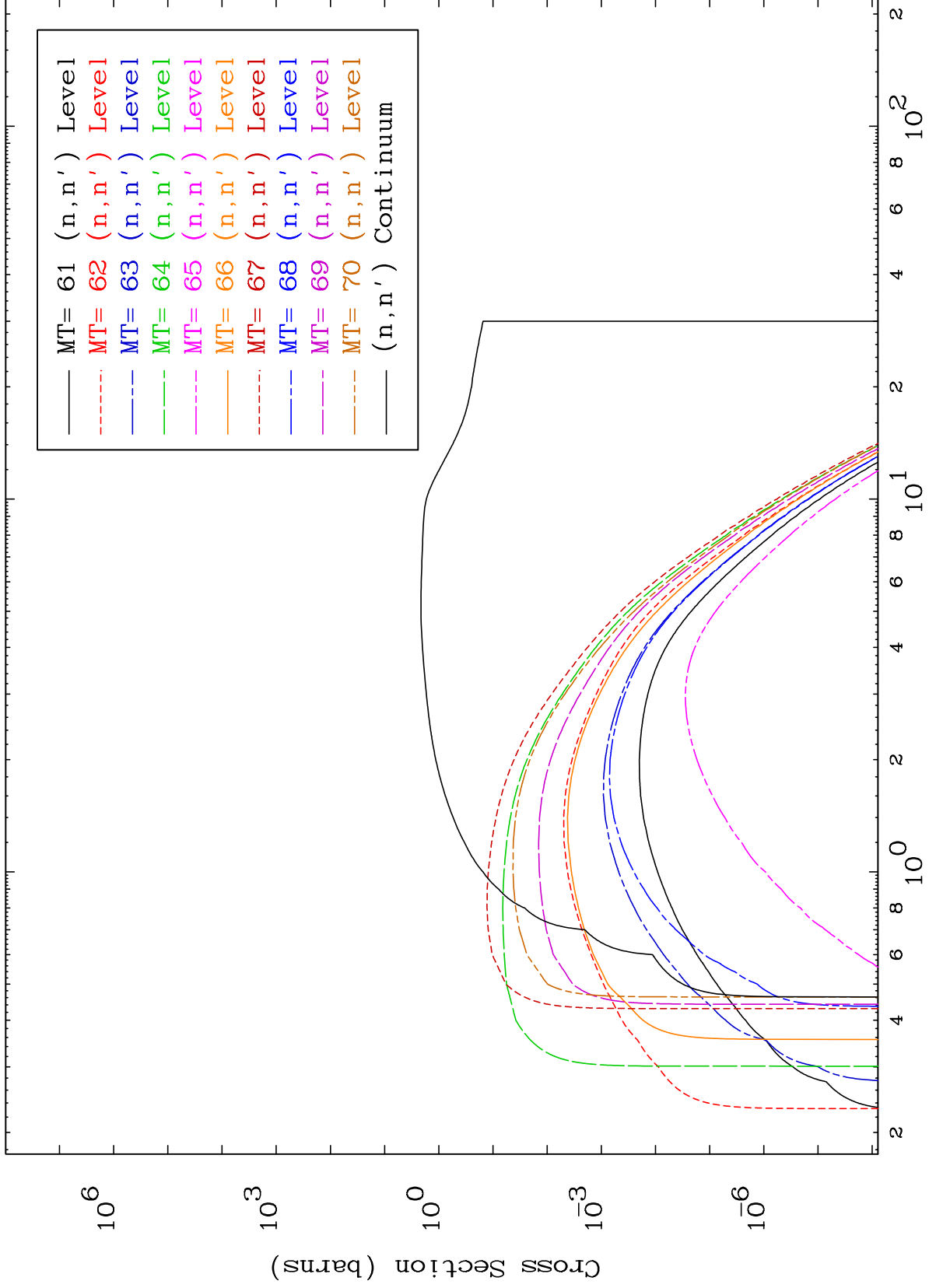


51-Sb-116

Incident Energy (MeV)



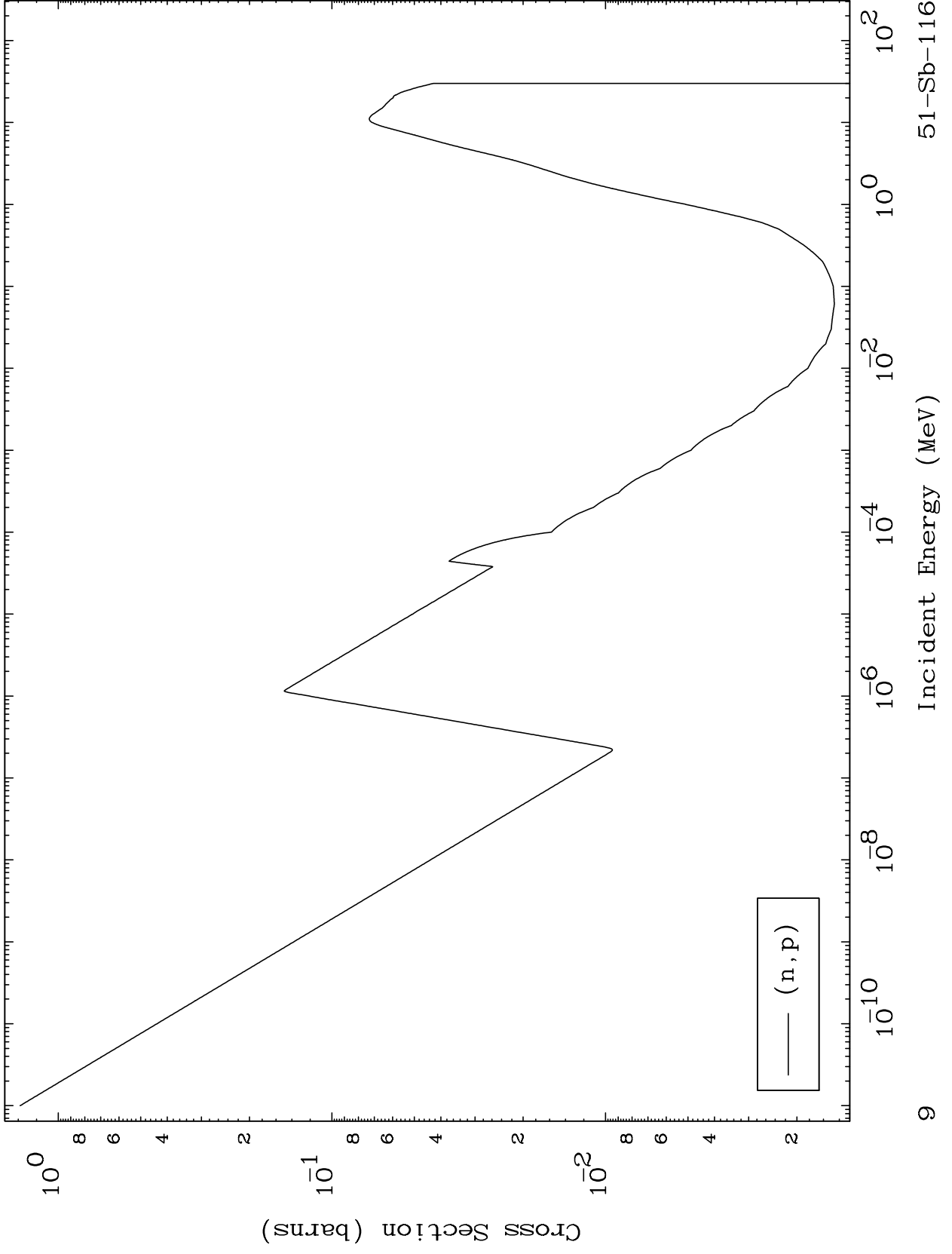
293 Kelvin Cross Sections



MAT 5111

(n,p) Levels  
293 Kelvin Cross Sections

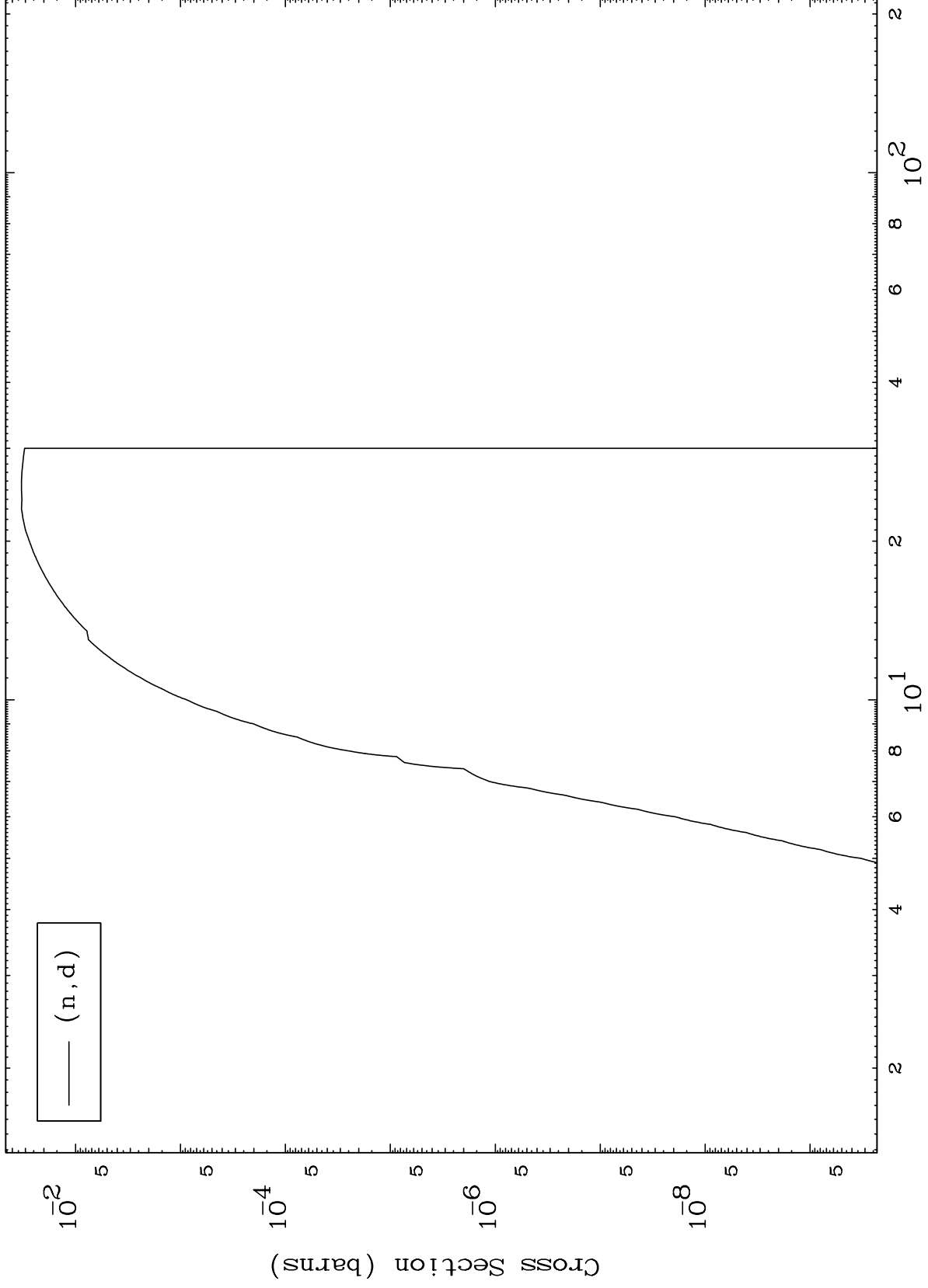
51-Sb-116



MAT 5111

(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-116



10

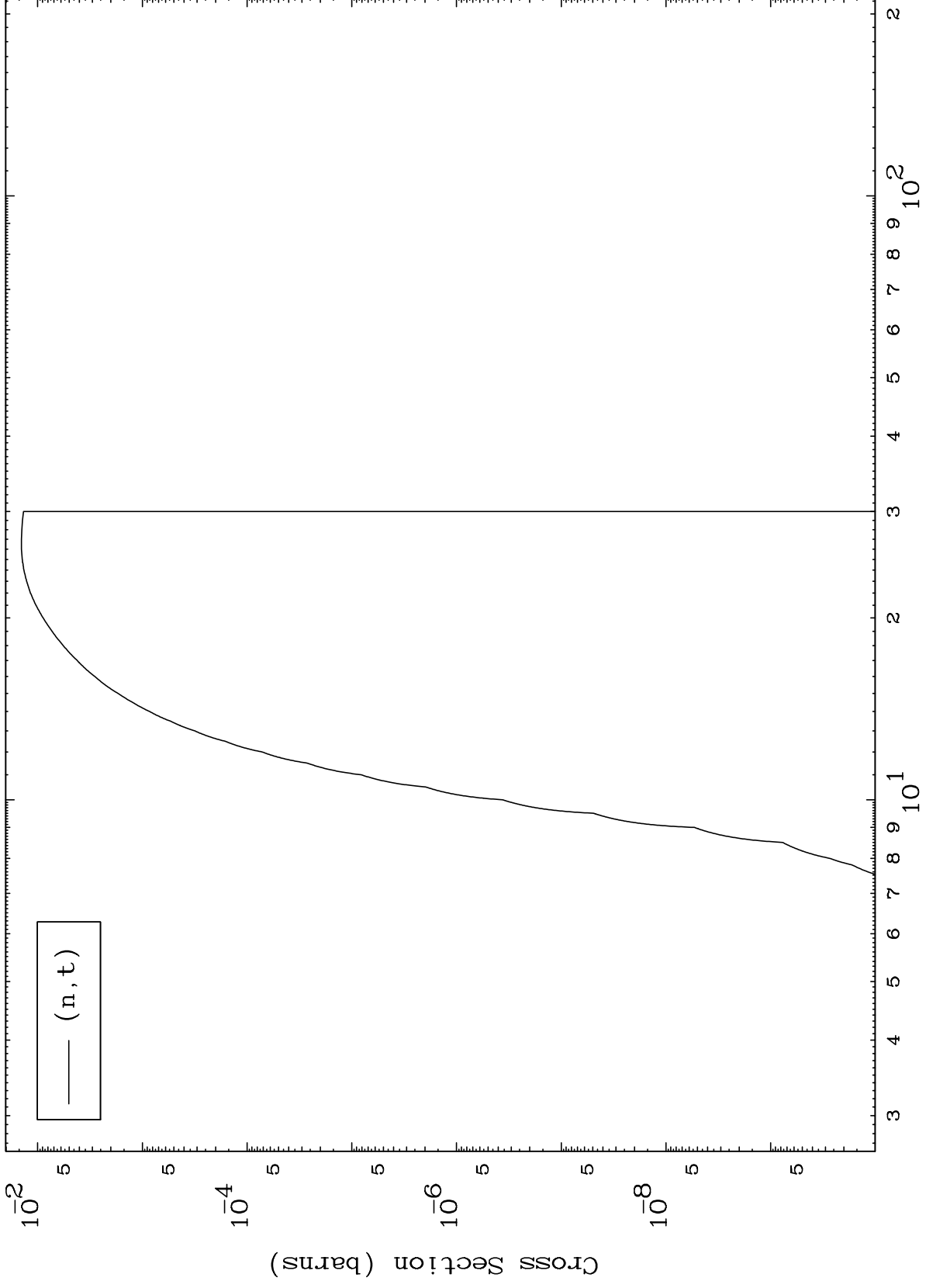
Incident Energy (MeV)

51-Sb-116

MAT 5111

(n,t) Levels  
293 Kelvin Cross Sections

51-Sb-116

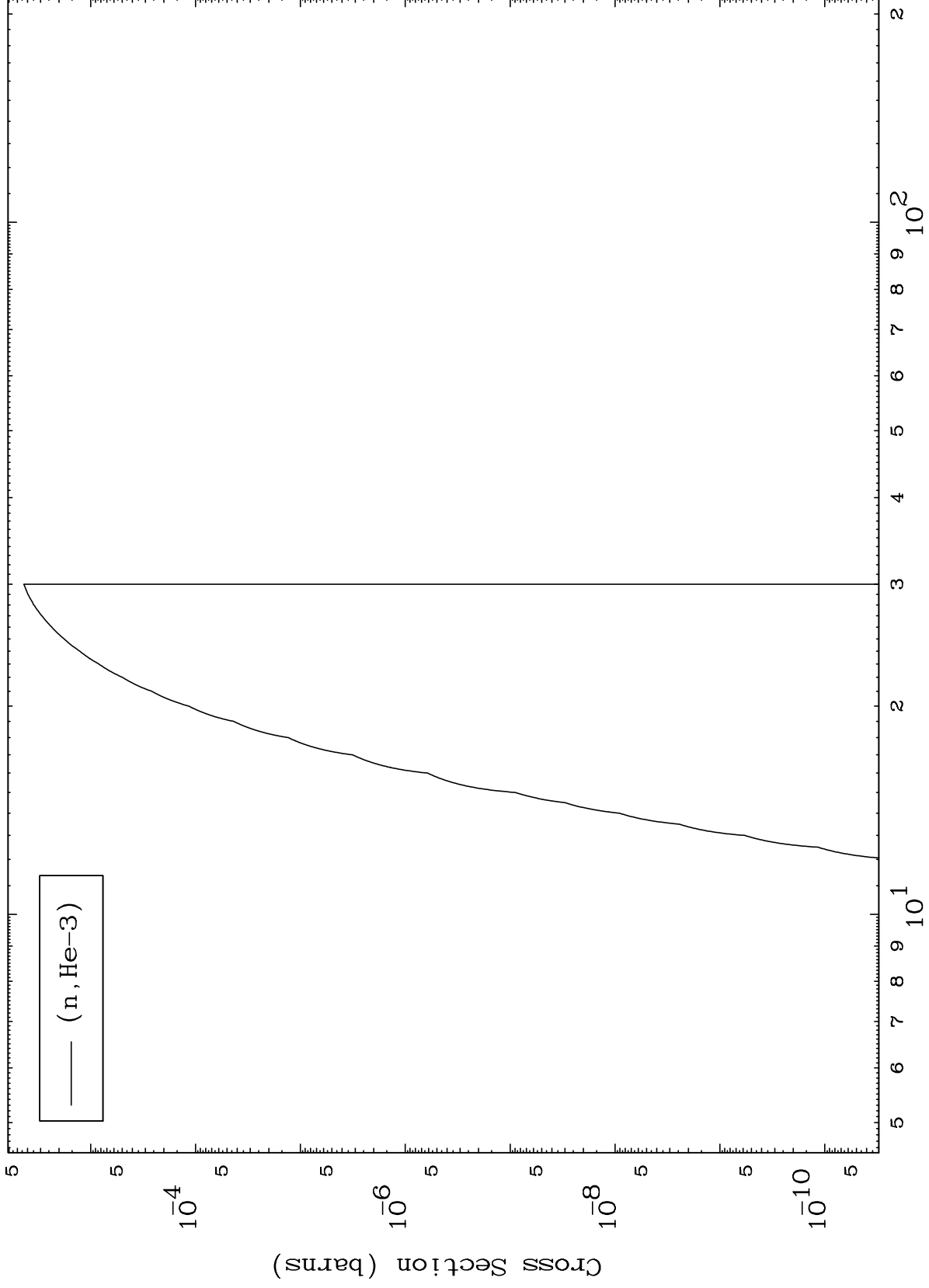


(n,t)

MAT 5111

(n,He3) Levels  
293 Kelvin Cross Sections

51-Sb-116



12

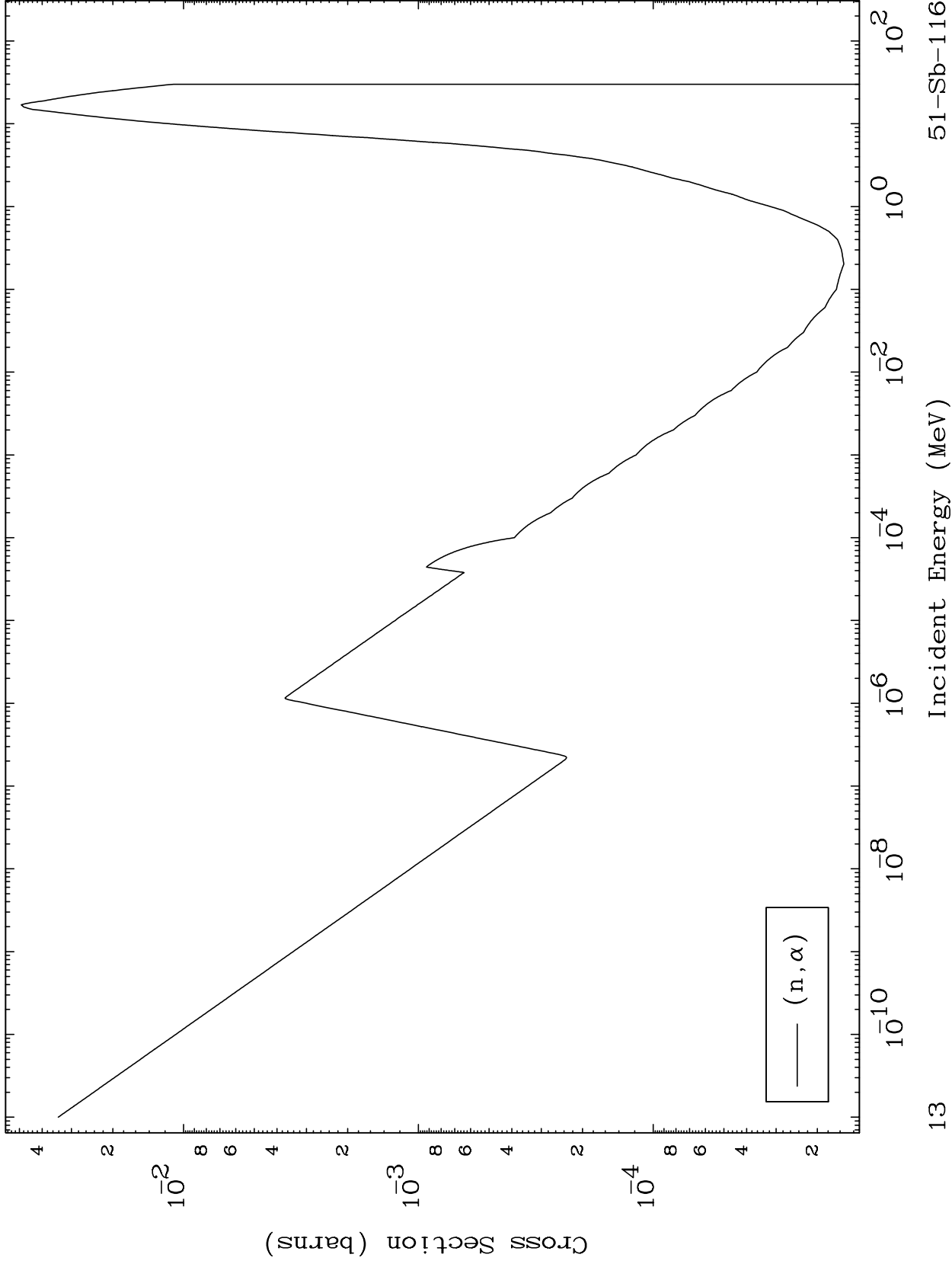
Incident Energy (MeV)

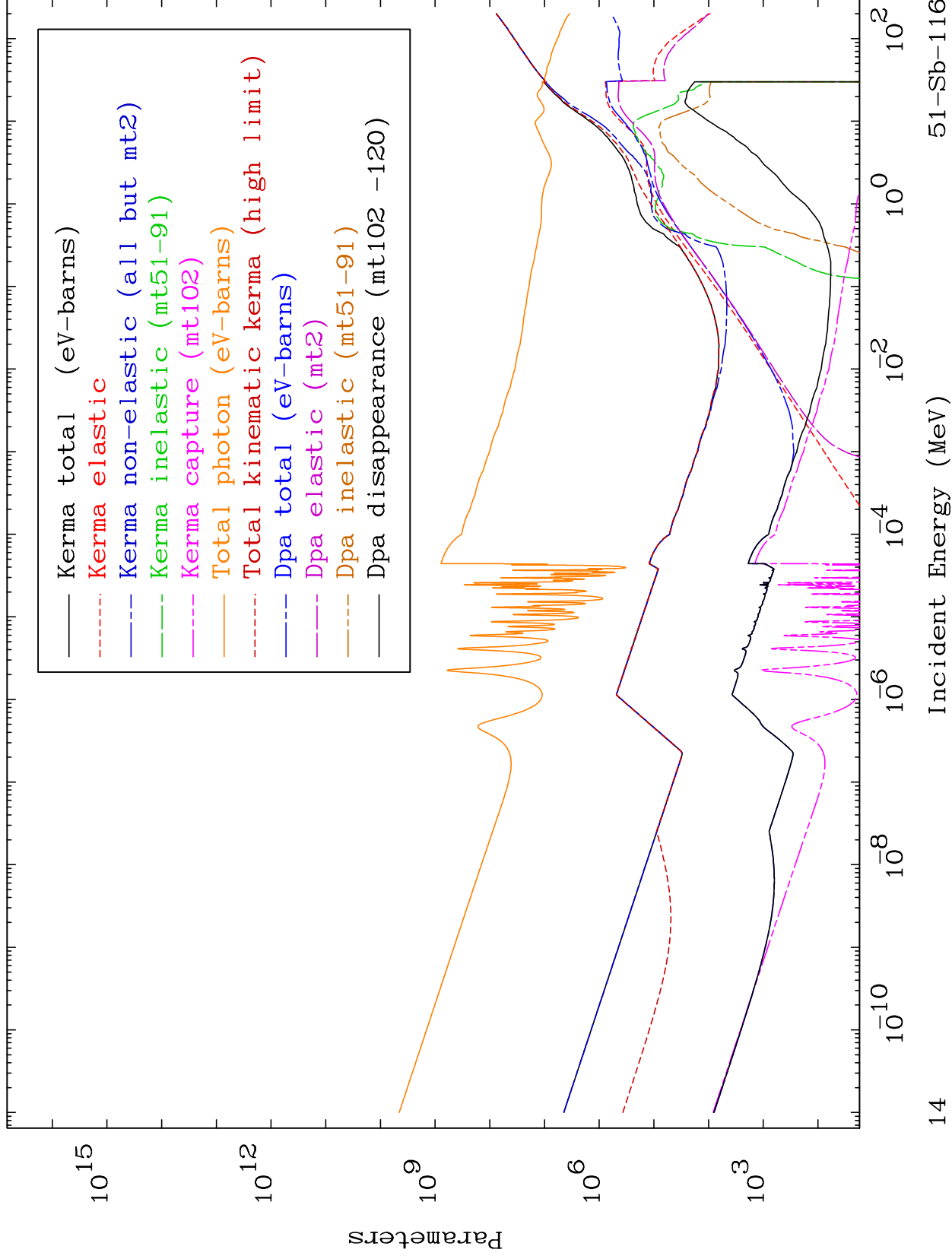
51-Sb-116

MAT 5111

(n,α) Levels  
293 Kelvin Cross Sections

51-Sb-116







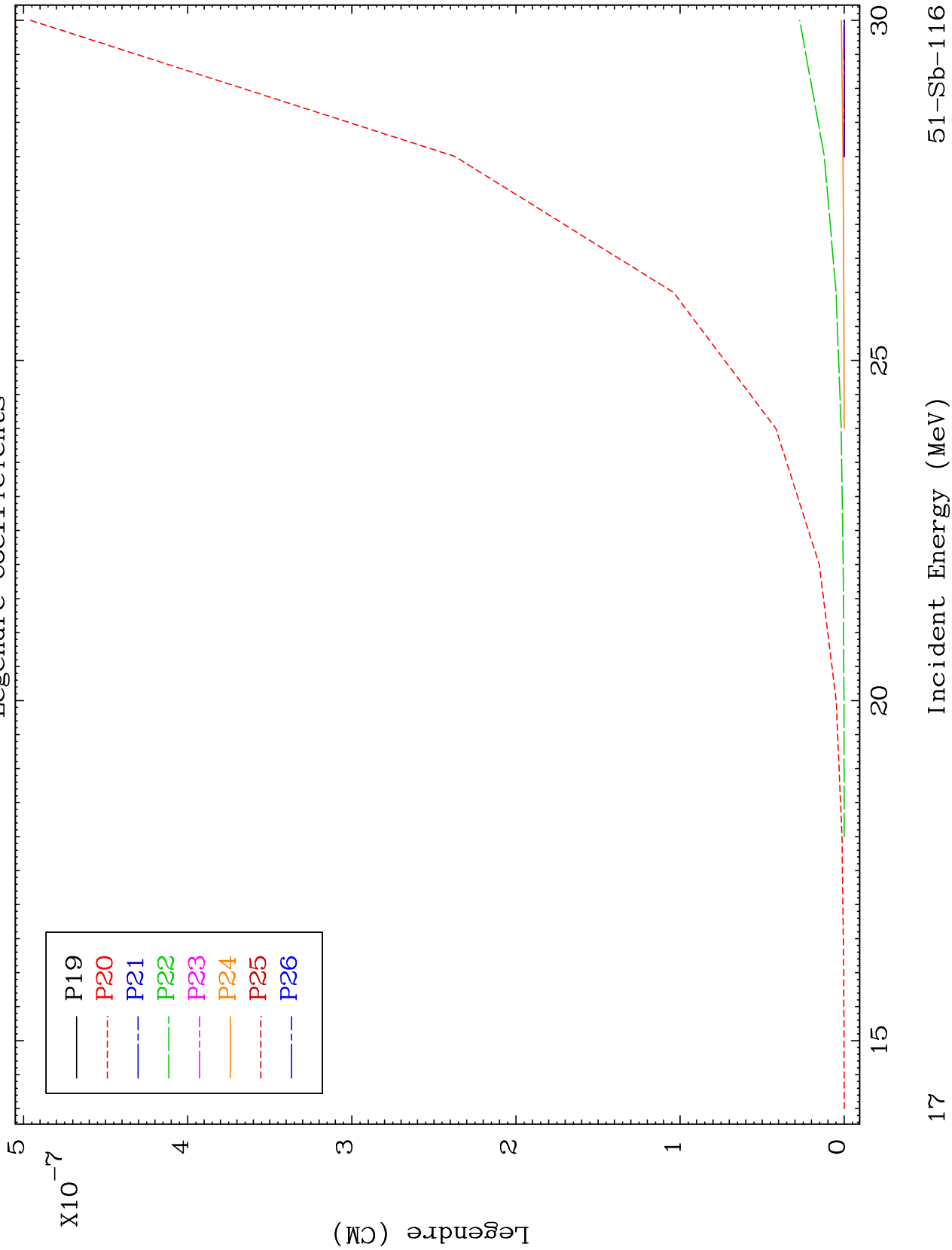




MAT 5111

Elastic  
Legendre Coefficients

51-Sb-116



17

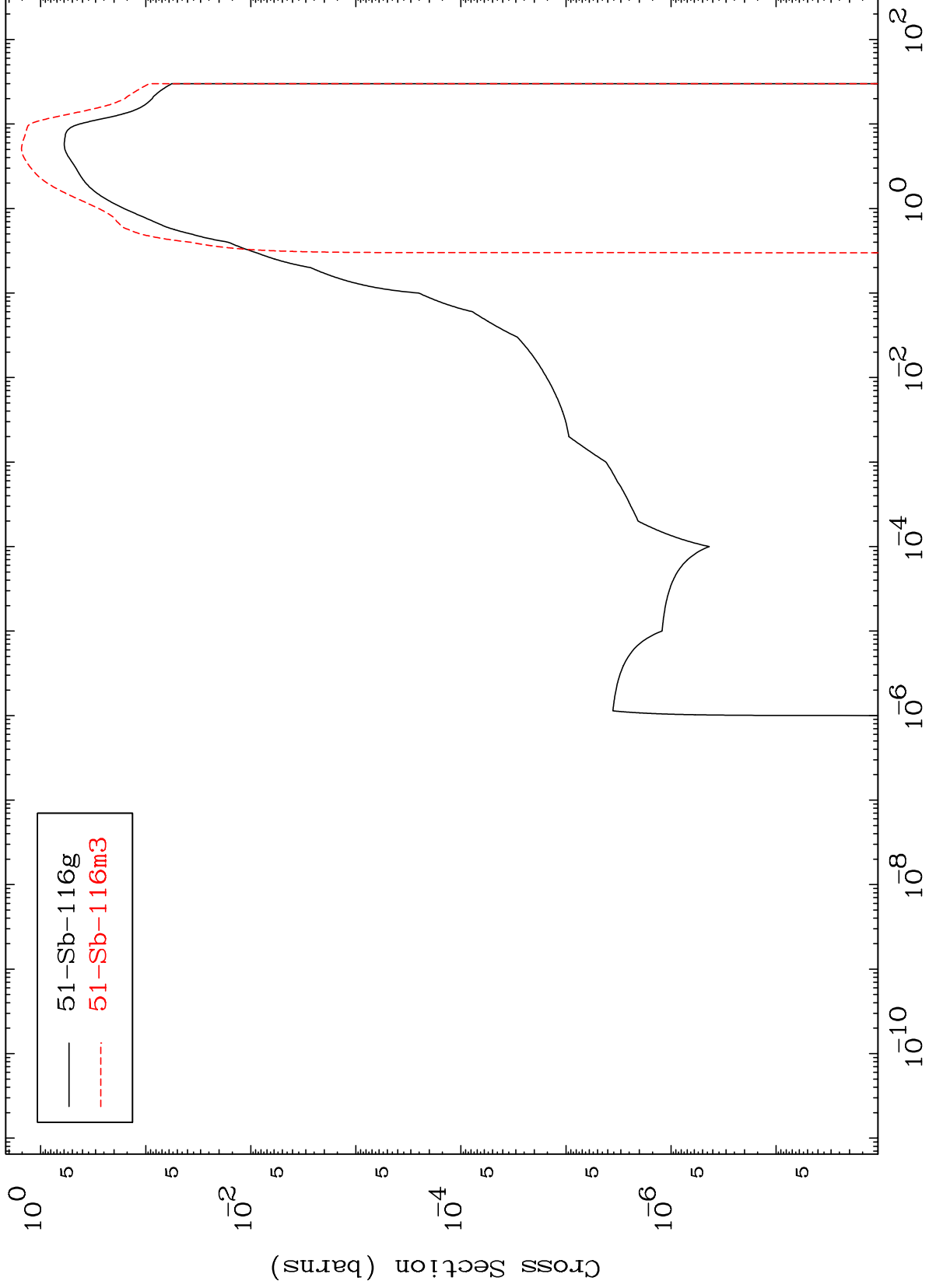
51-Sb-116

MAT 5111

Inelastic

51-Sb-116

Radionuclide Production Cross Section



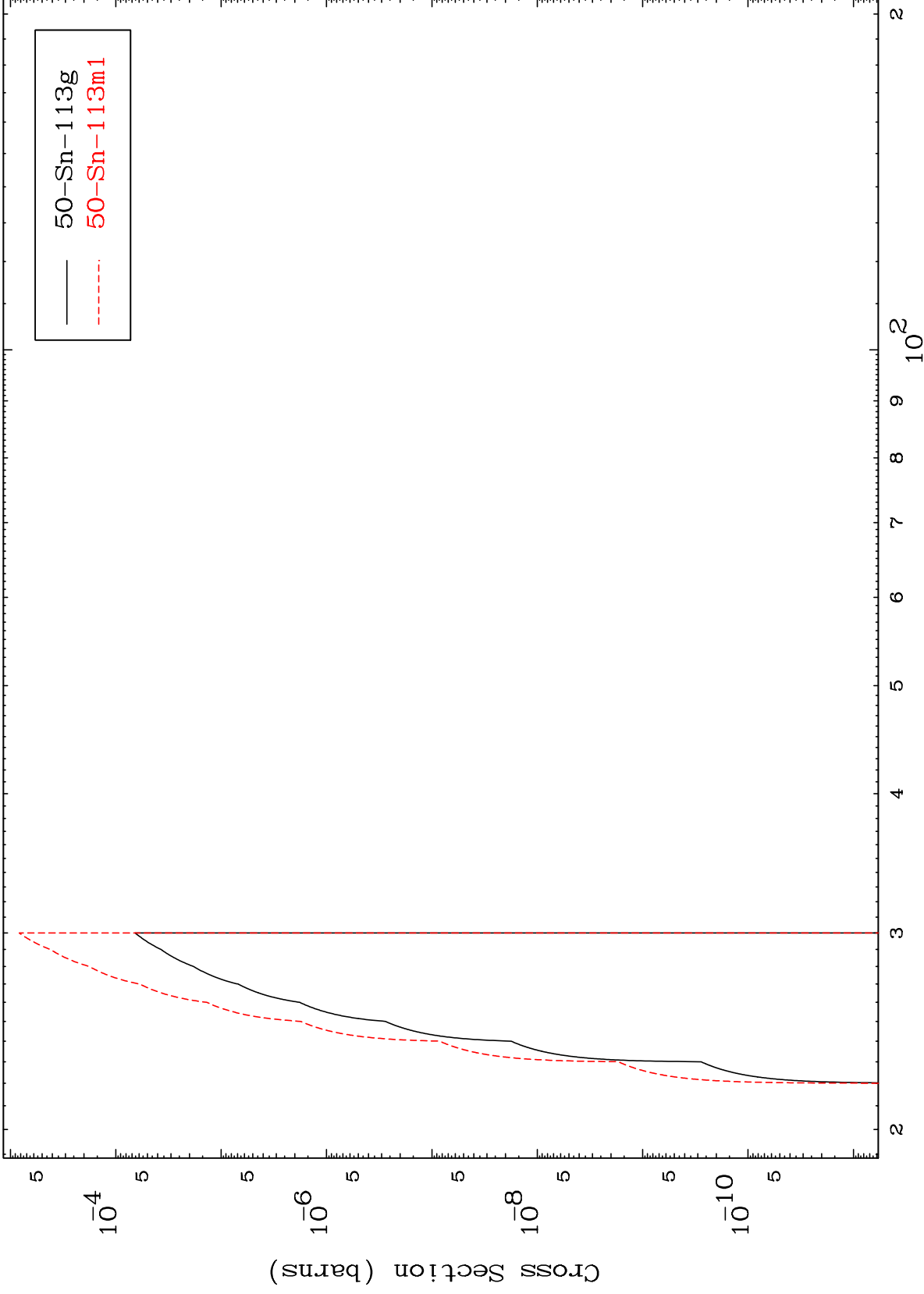
51-Sb-116g  
51-Sb-116m3

MAT 5111

(n,2n) d

51-Sb-116

Radionuclide Production Cross Section



19

Incident Energy (MeV)

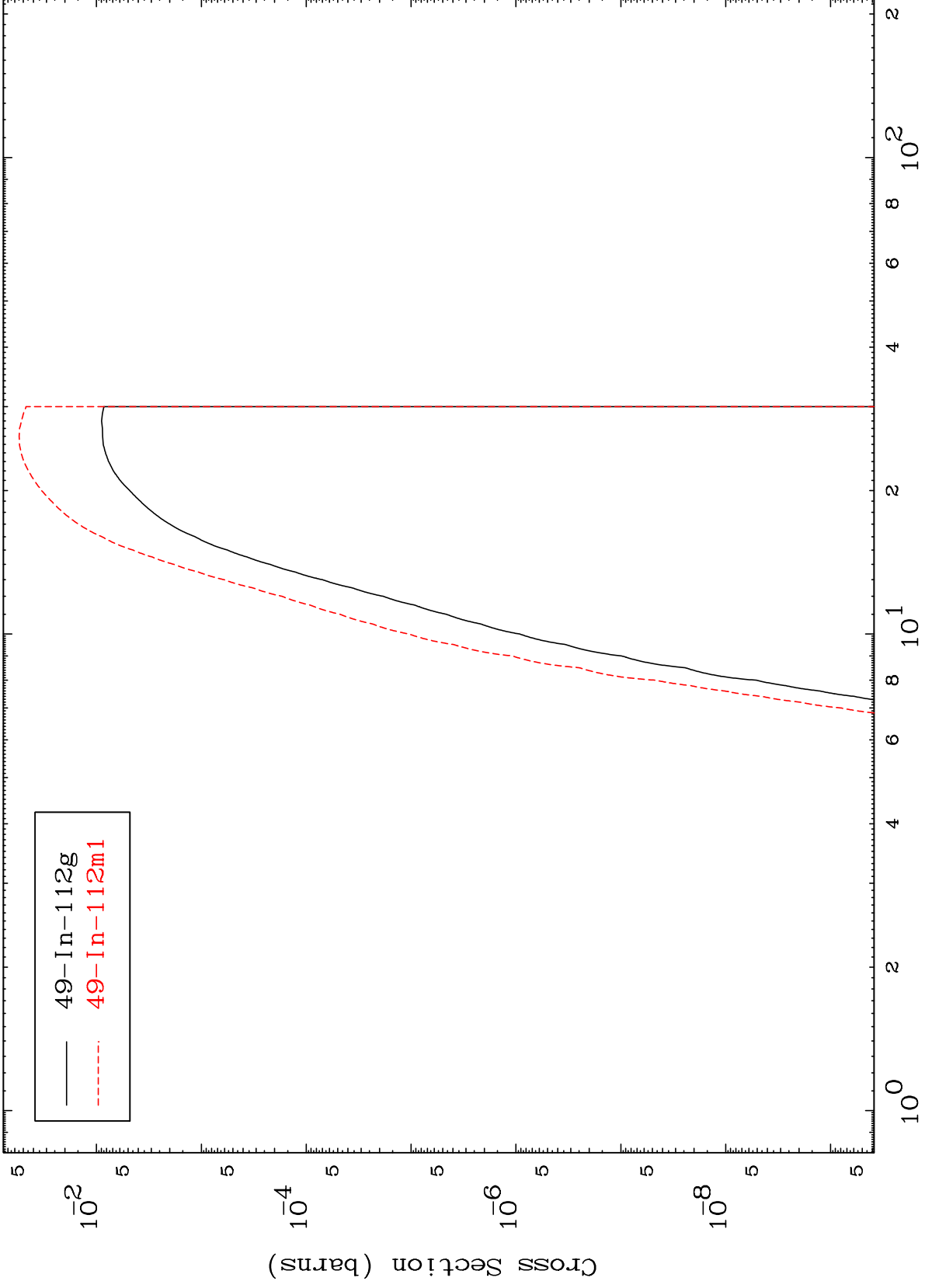
51-Sb-116

MAT 5111

(n,n')  $\alpha$

51-Sb-116

Radionuclide Production Cross Section



20

Incident Energy (MeV)

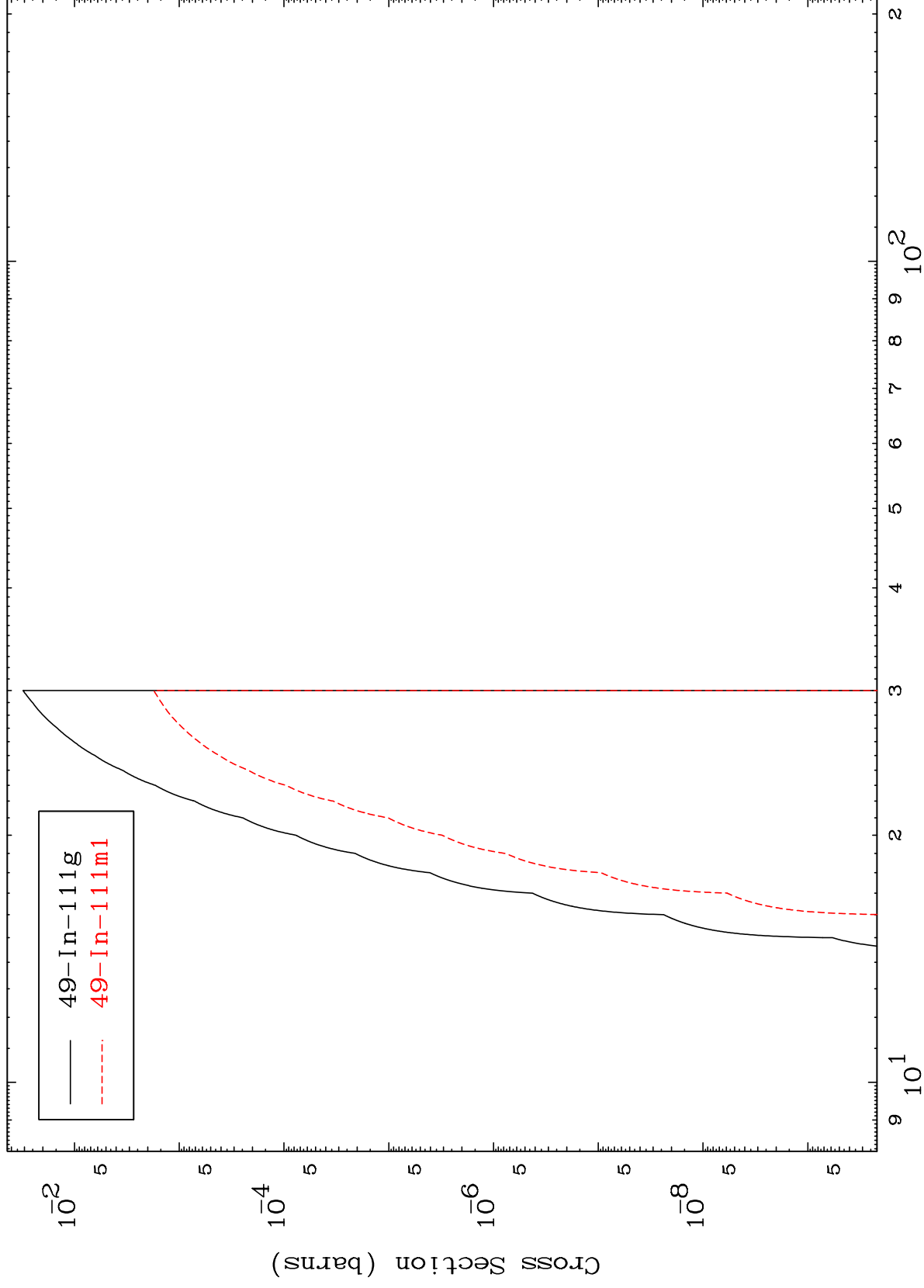
51-Sb-116

MAT 5111

51-Sb-116

(n,2n)  $\alpha$

Radionuclide Production Cross Section



21

Incident Energy (MeV)

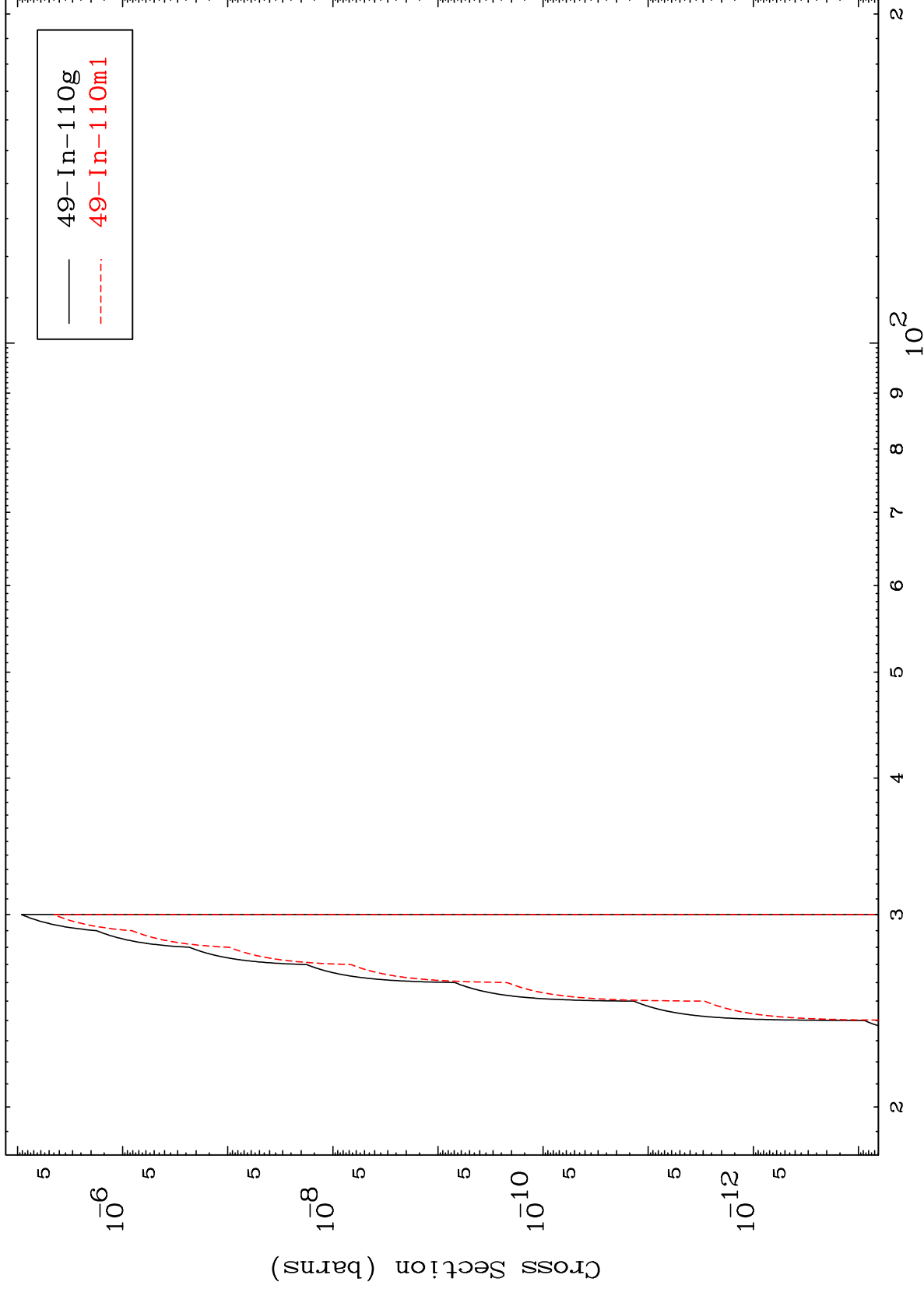
51-Sb-116

MAT 5111

(n,3n)  $\alpha$

51-Sb-116

Radionuclide Production Cross Section



22

Incident Energy (MeV)

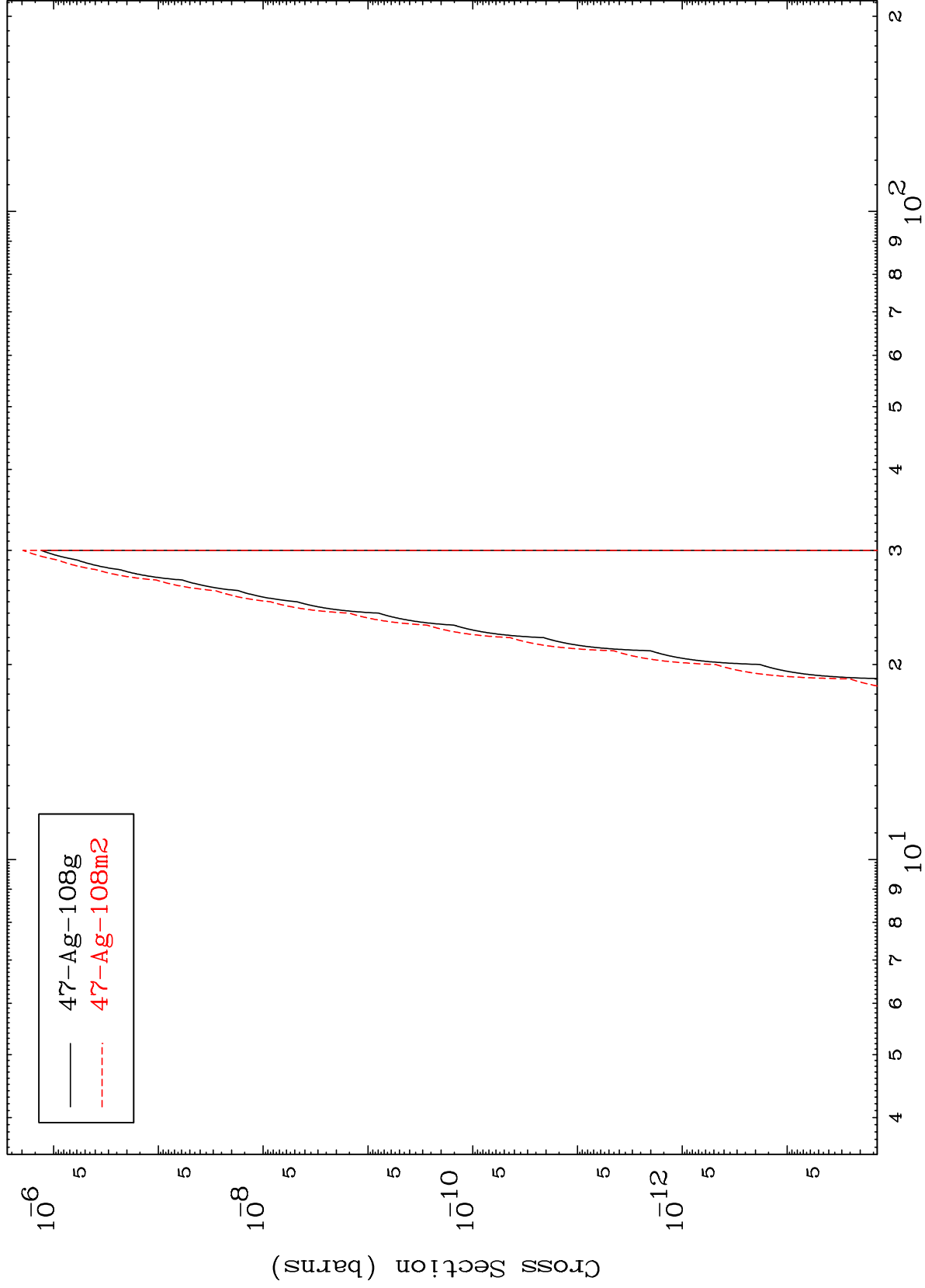
51-Sb-116

MAT 5111

(n,n') 2α

51-Sb-116

Radionuclide Production Cross Section

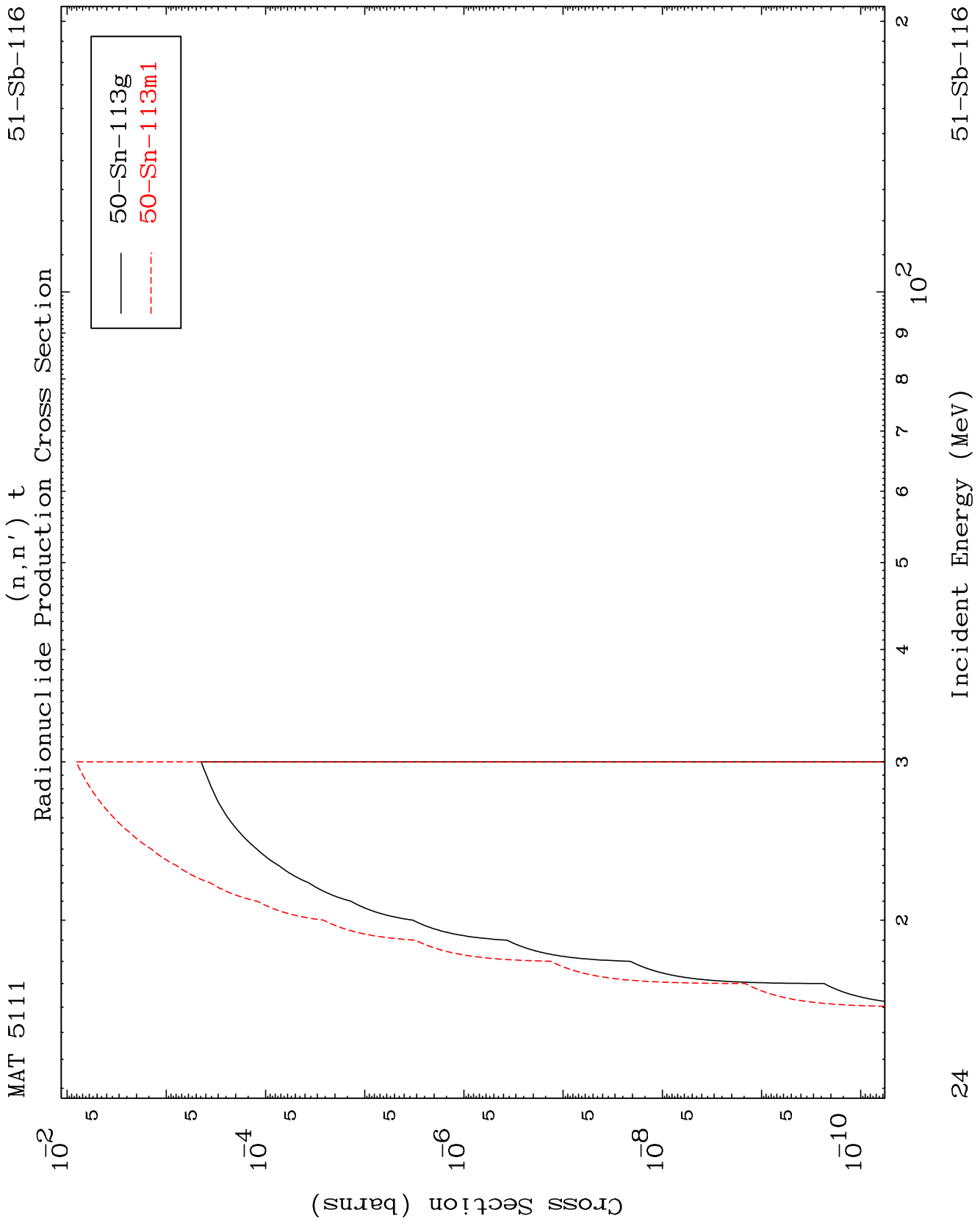


23

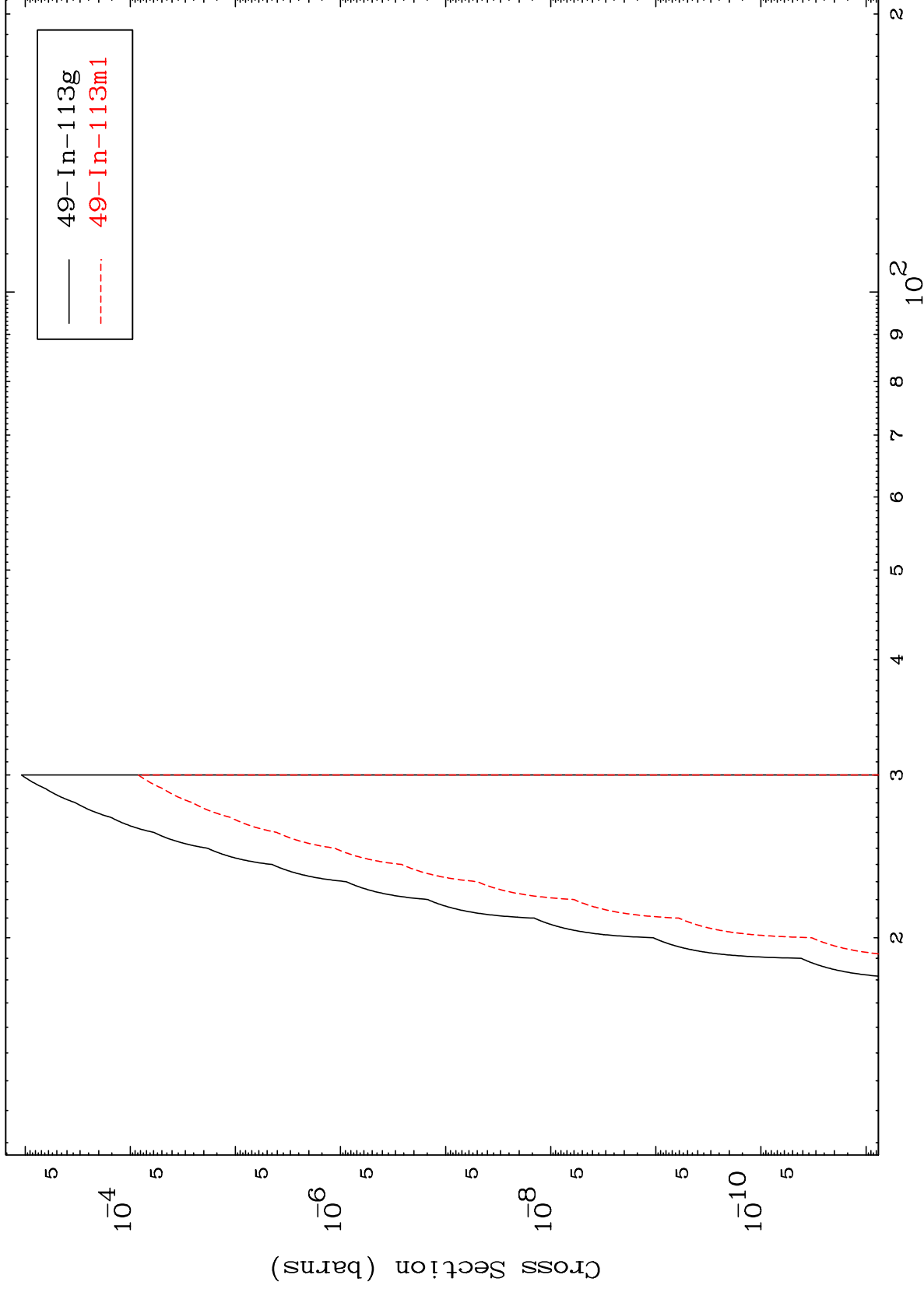
Incident Energy (MeV)

51-Sb-116

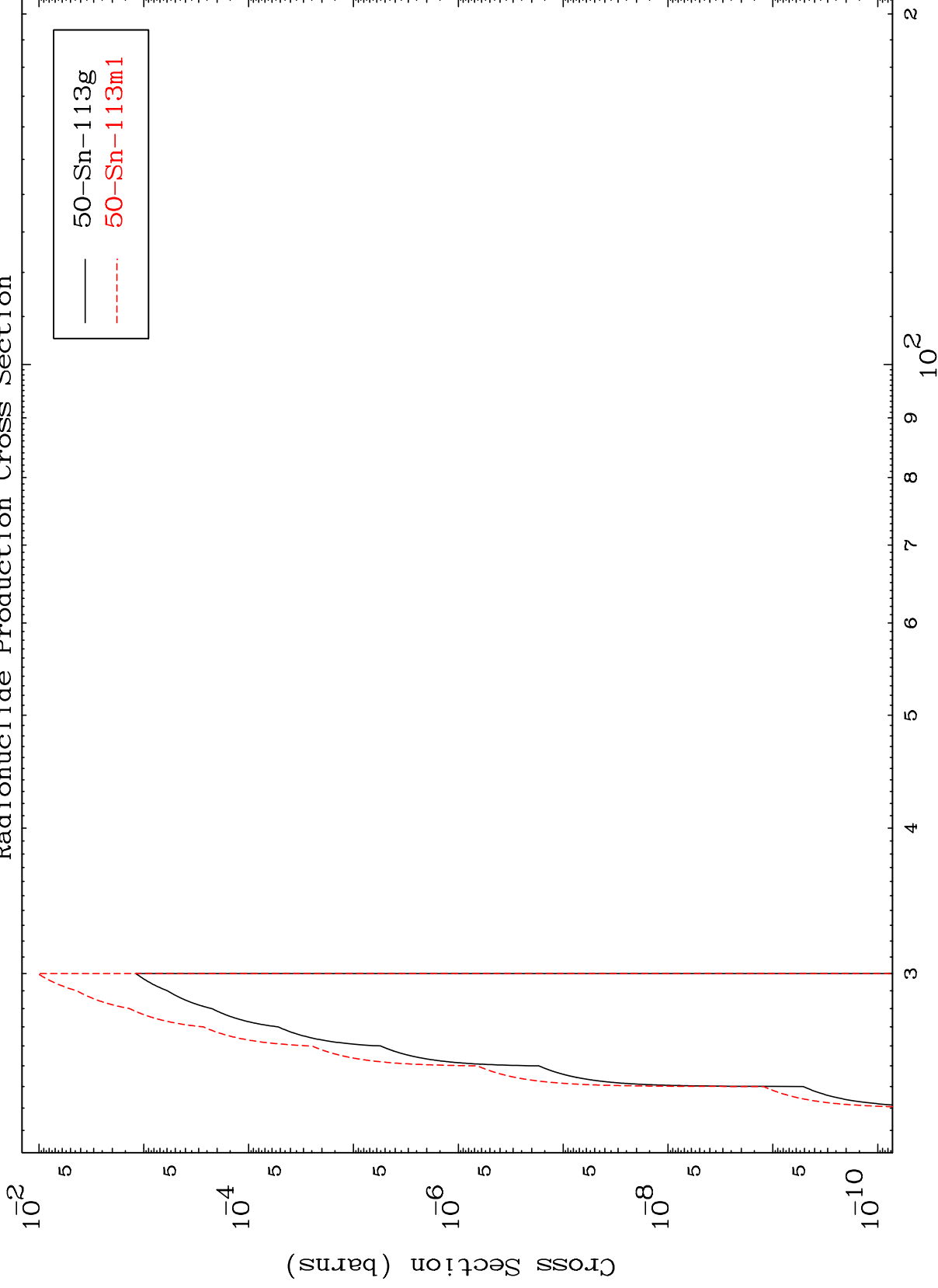




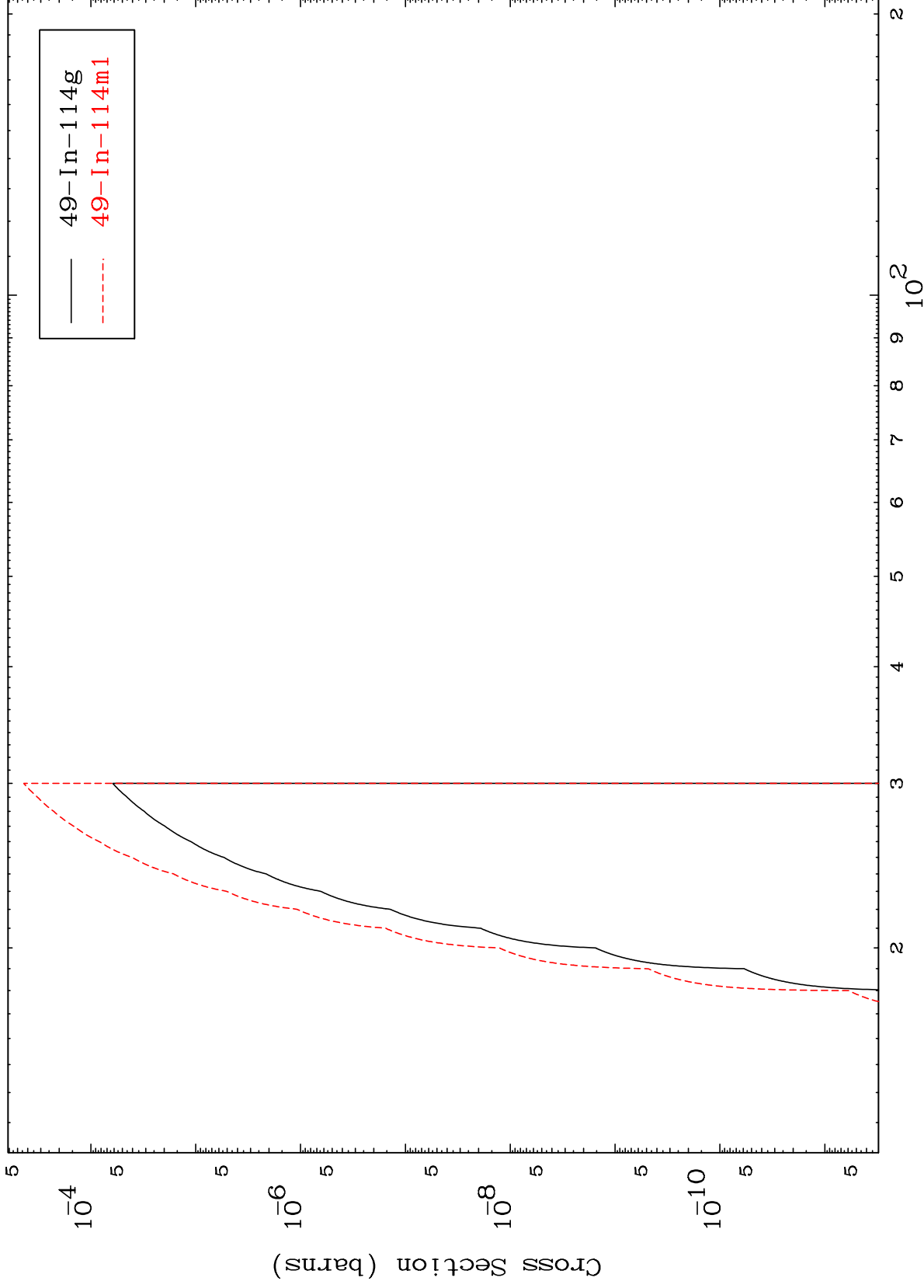
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

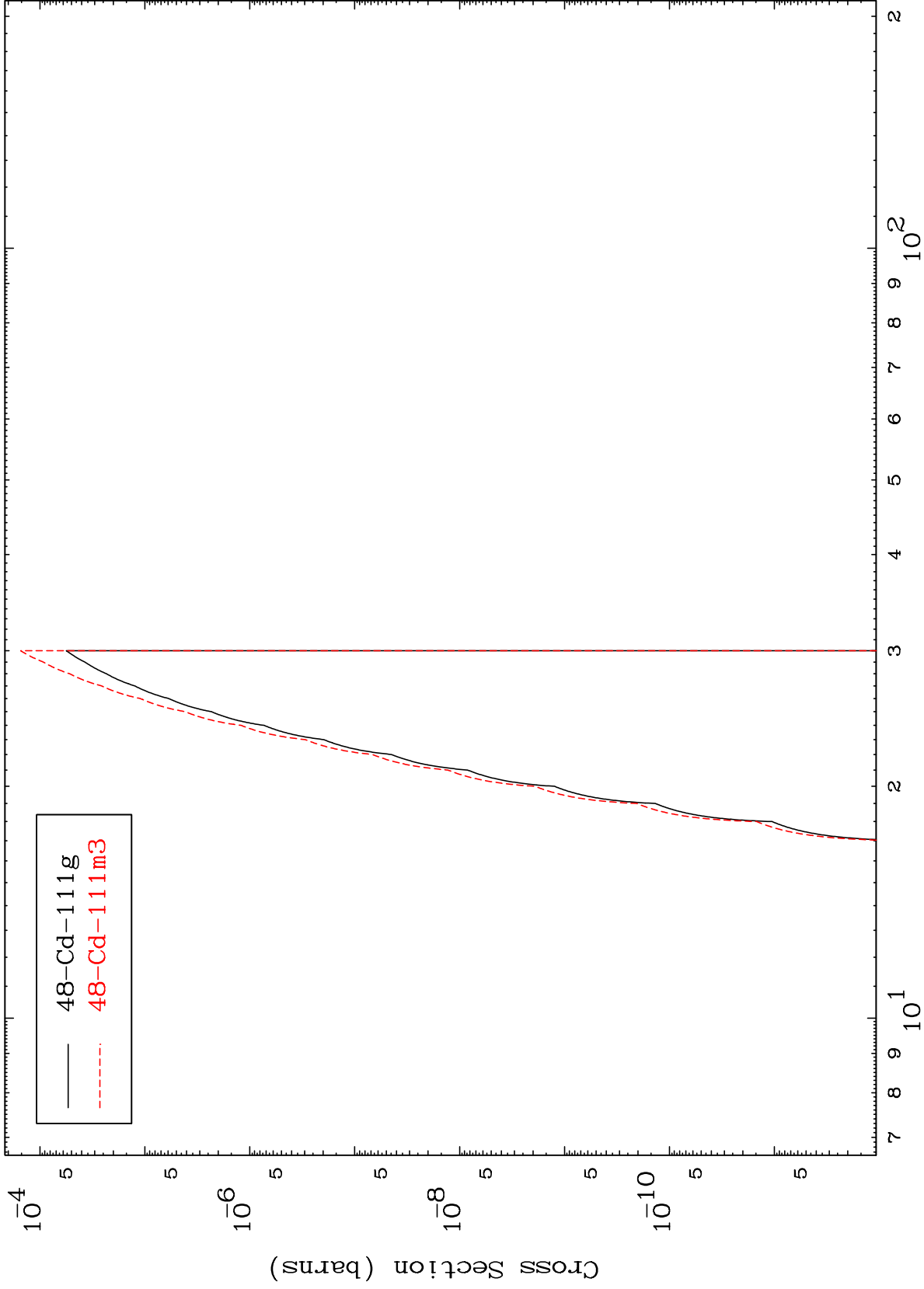


MAT 5111

(n,n') p  $\alpha$

51-Sb-116

Radionuclide Production Cross Section



28

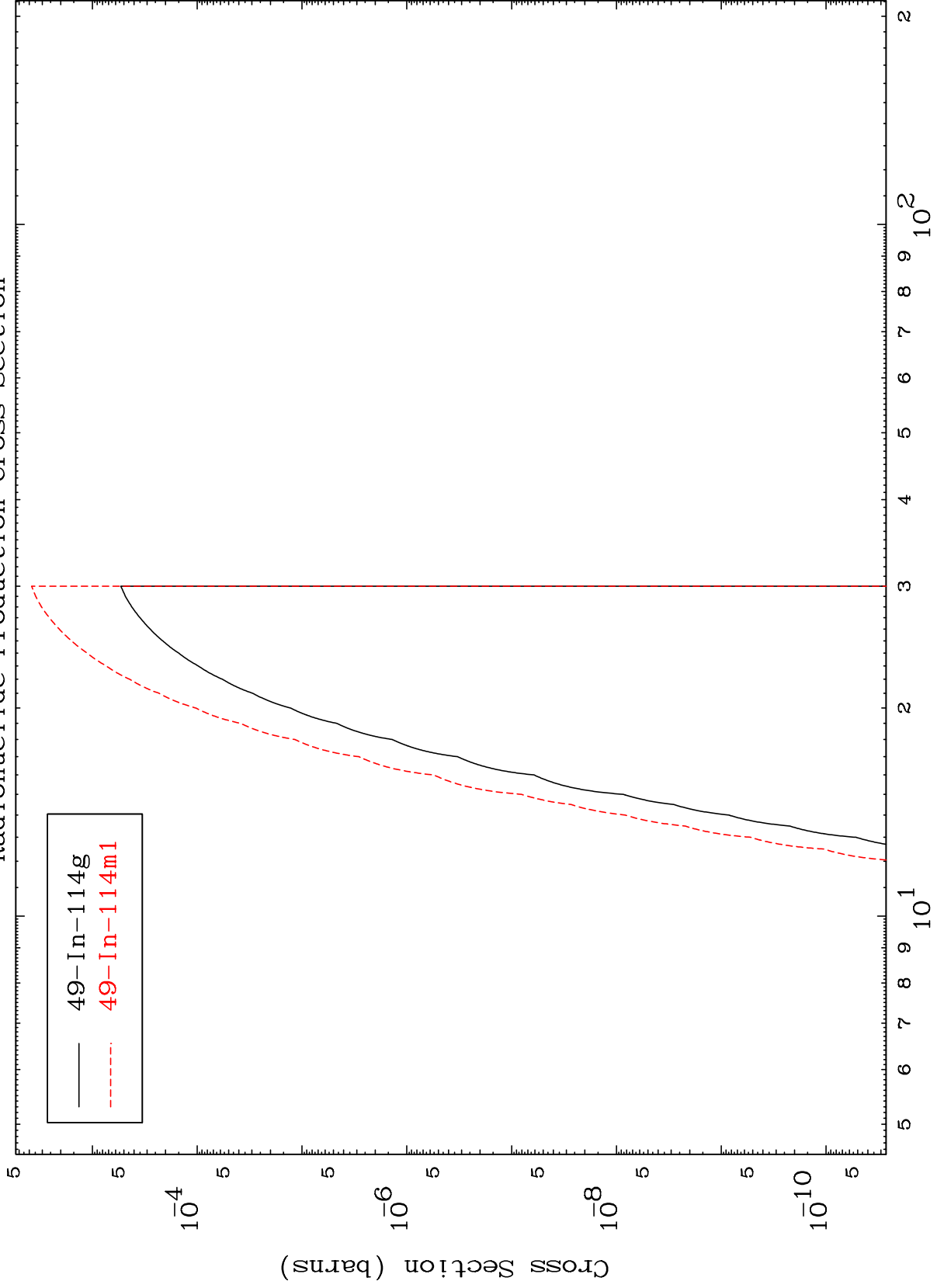
Incident Energy (MeV)

51-Sb-116

MAT 5111

51-Sb-116

(n,He-3)  
Radionuclide Production Cross Section



29

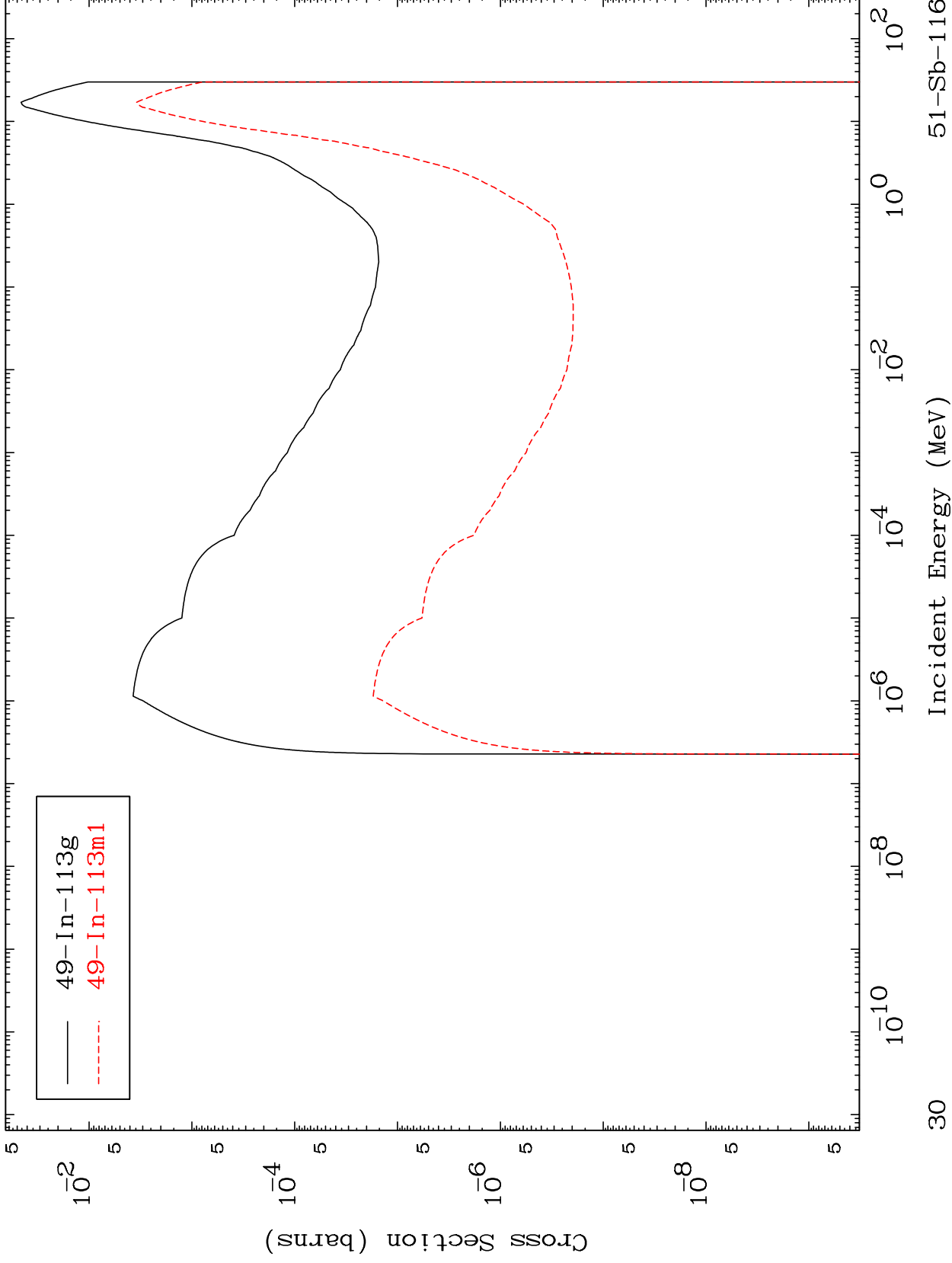
Incident Energy (MeV)

51-Sb-116

MAT 5111

51-Sb-116

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



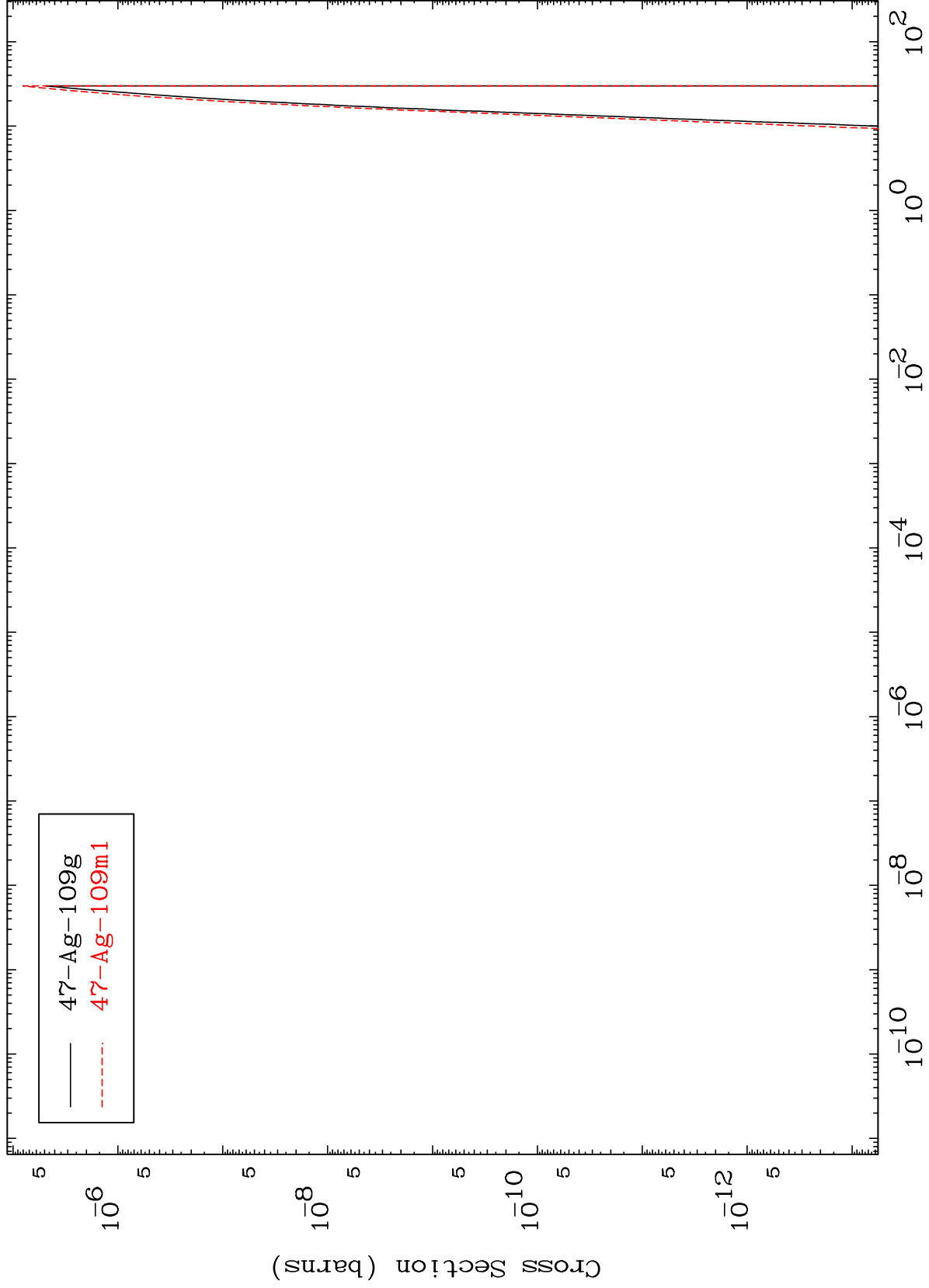
— 49-In-113g  
- - - 49-In-113m1

MAT 5111

(n,2α)

51-Sb-116

Radionuclide Production Cross Section



31

Incident Energy (MeV)

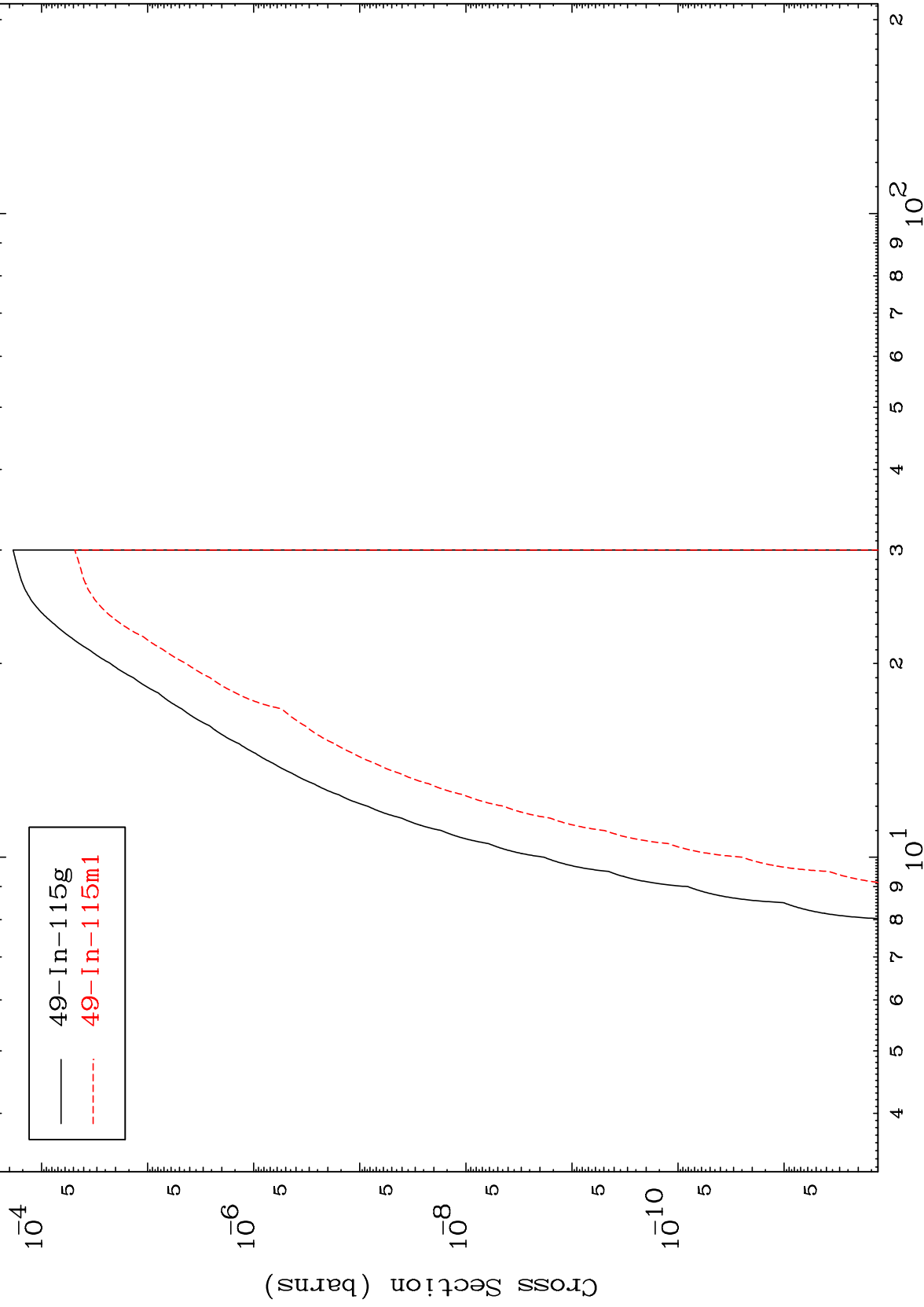
51-Sb-116



MAT 5111

51-Sb-116

(n,2p)  
Radionuclide Production Cross Section



51-Sb-116

Incident Energy (MeV)

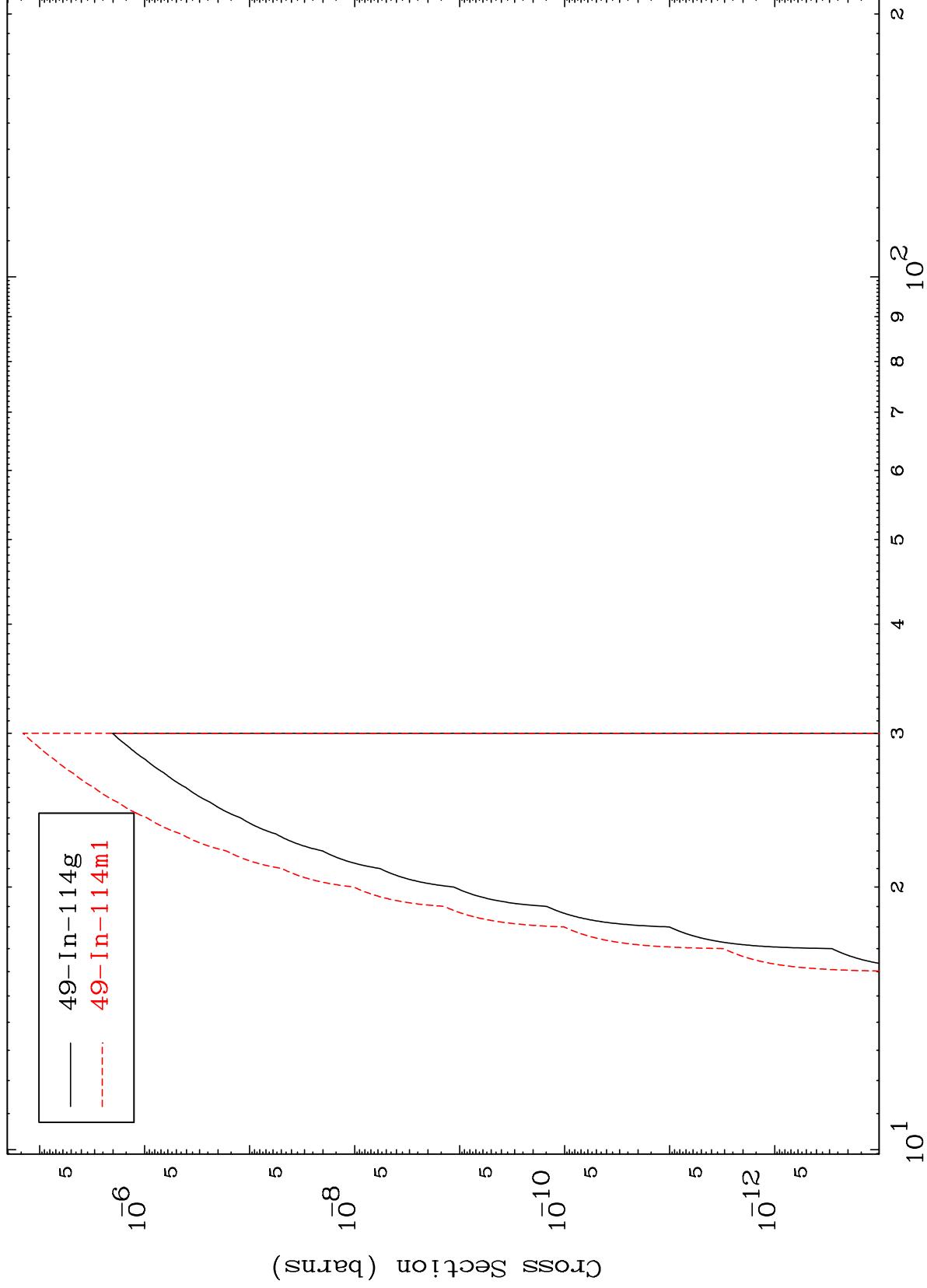
32

MAT 5111

(n,p) d

51-Sb-116

Radionuclide Production Cross Section



Incident Energy (MeV)

51-Sb-116

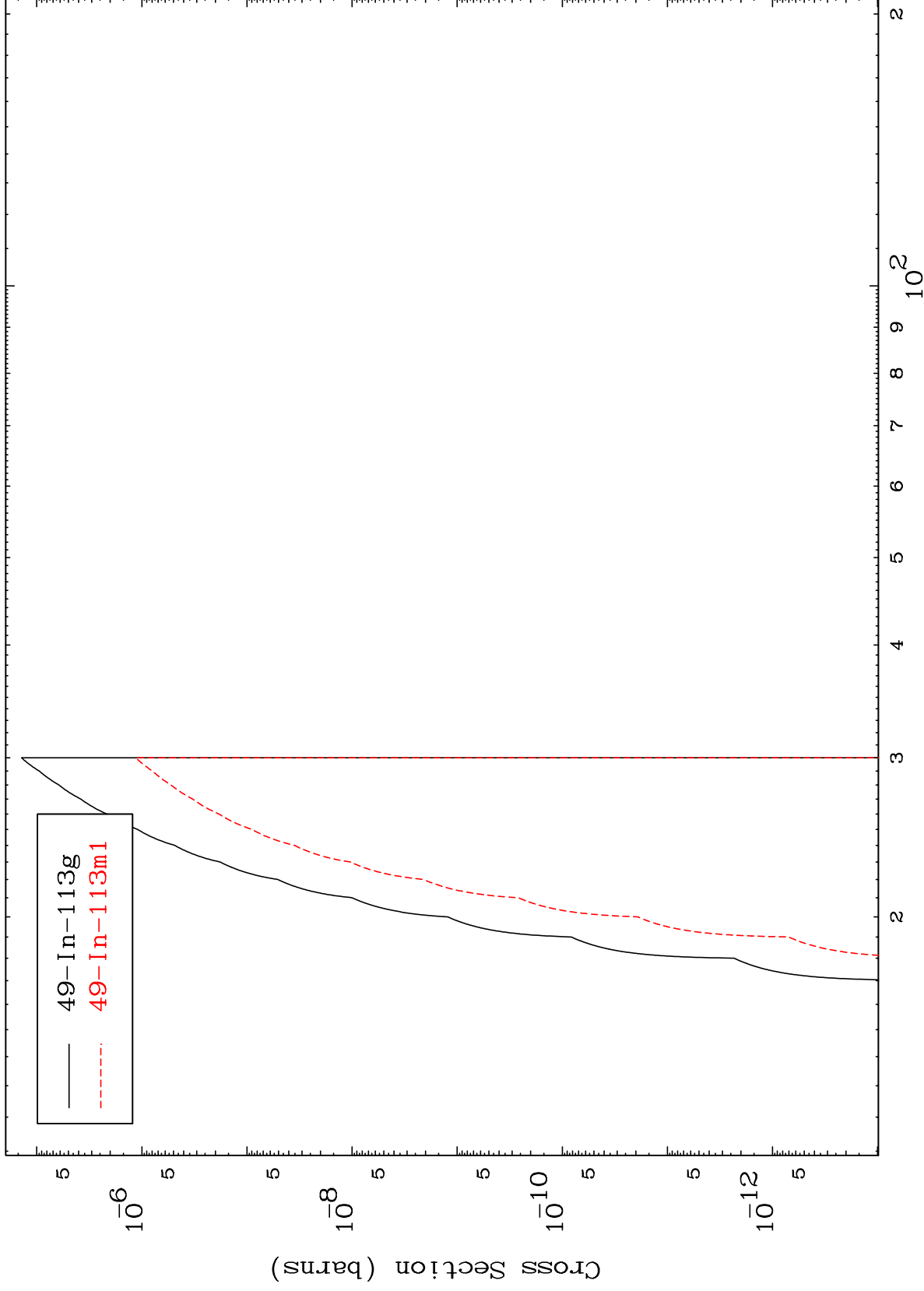
33

MAT 5111

(n,p) t

51-Sb-116

Radionuclide Production Cross Section



34

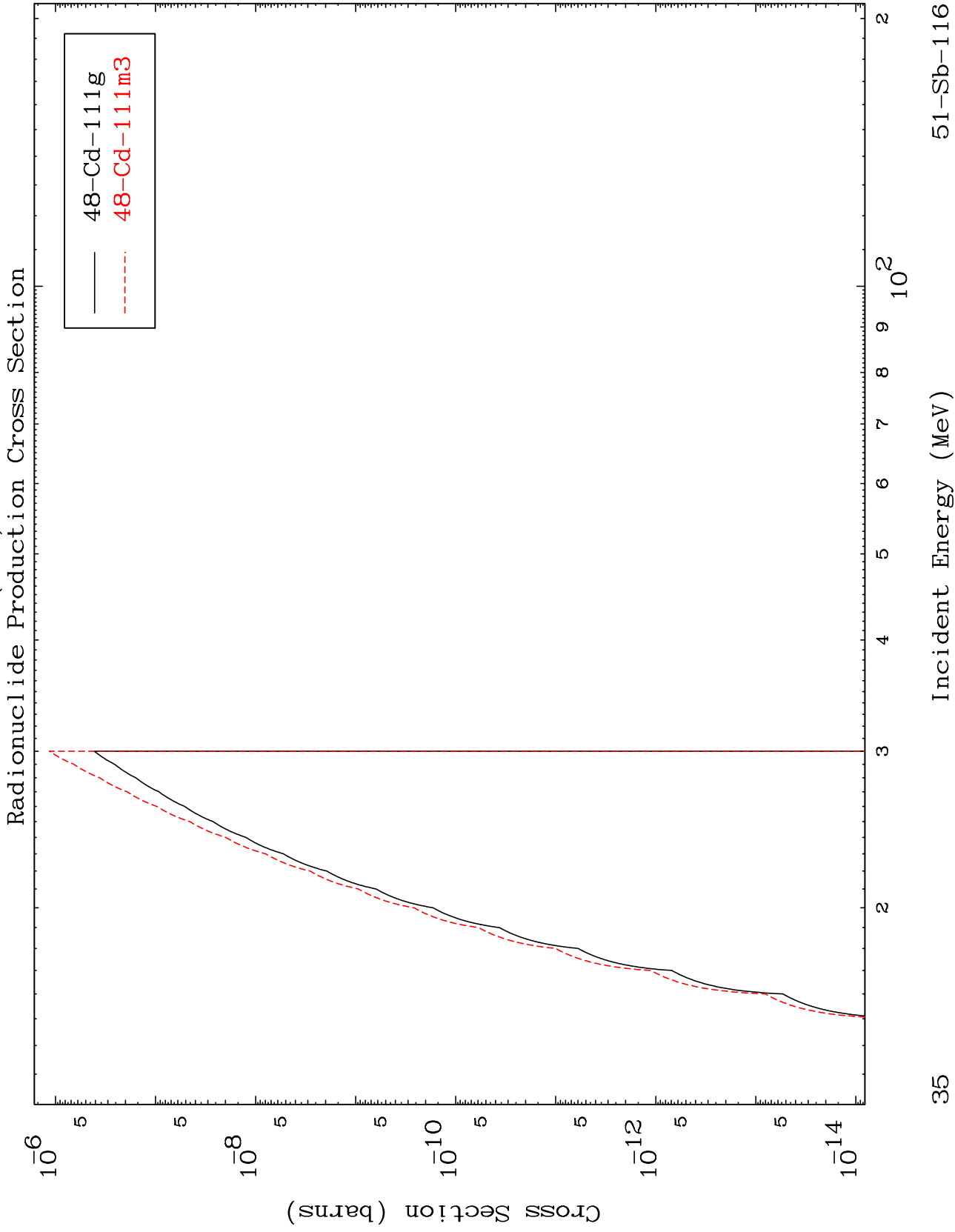
Incident Energy (MeV)

51-Sb-116

MAT 5111

(n,d)  $\alpha$

51-Sb-116



35

51-Sb-116