

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

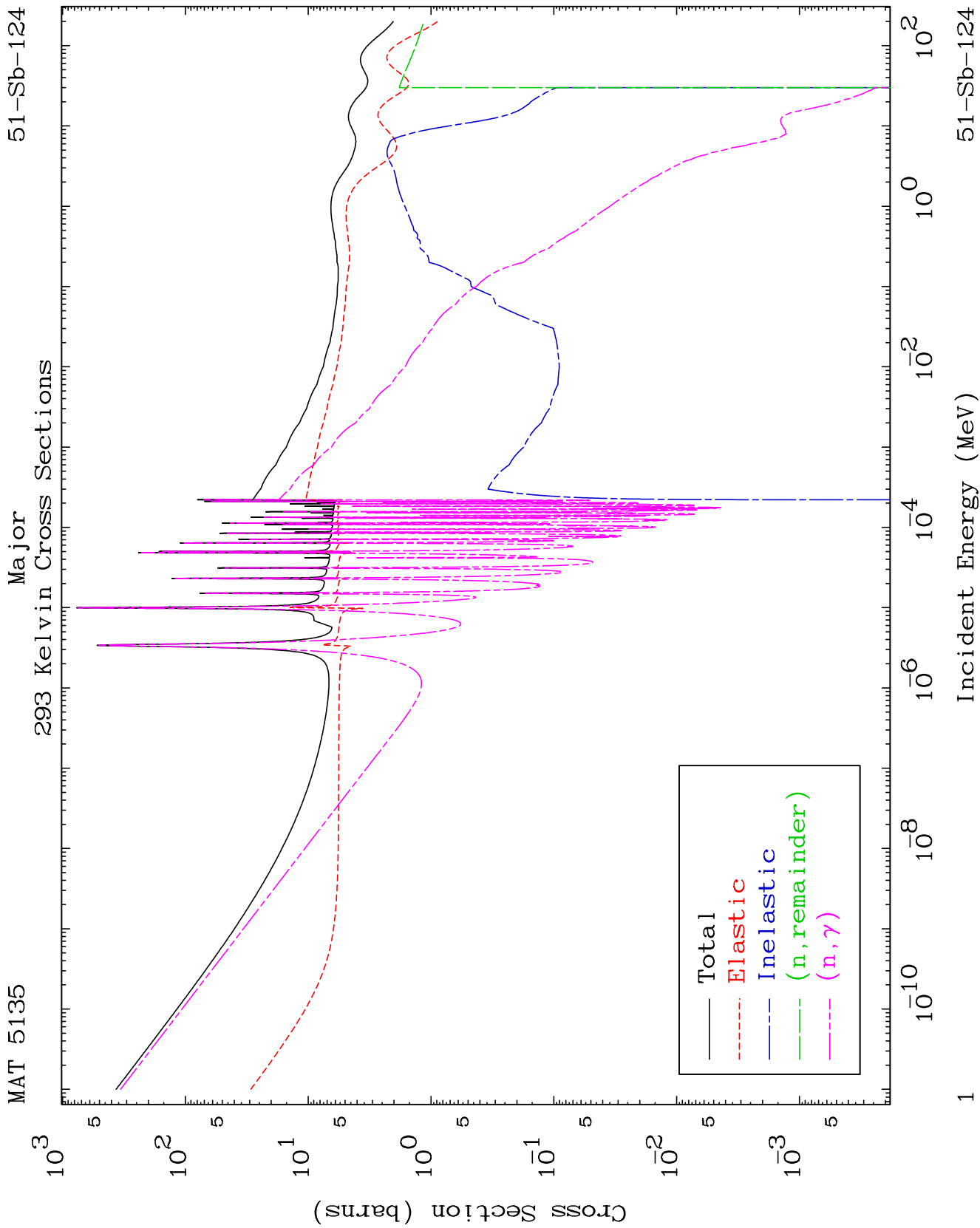
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

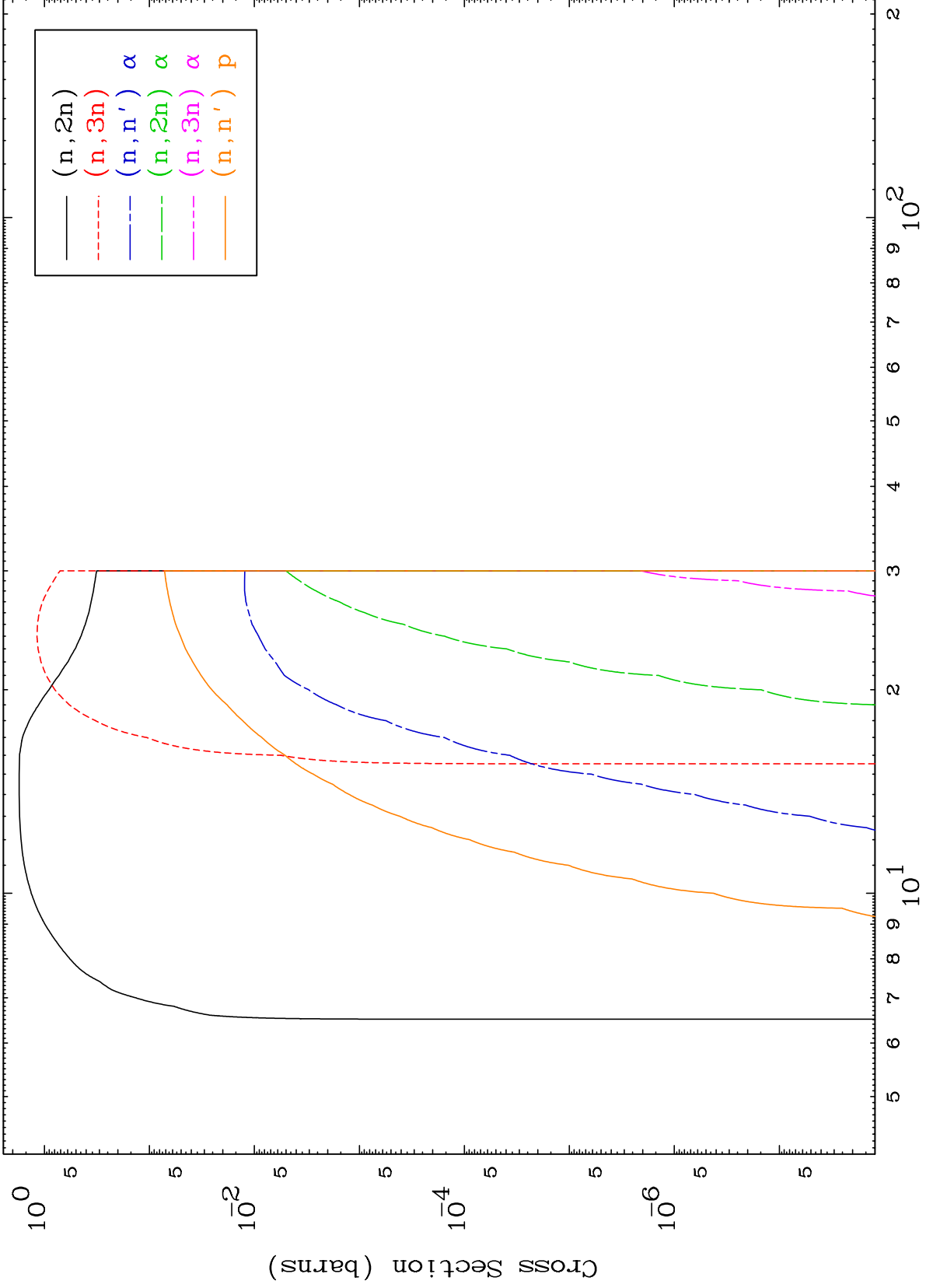
Tele: 925-443-1911

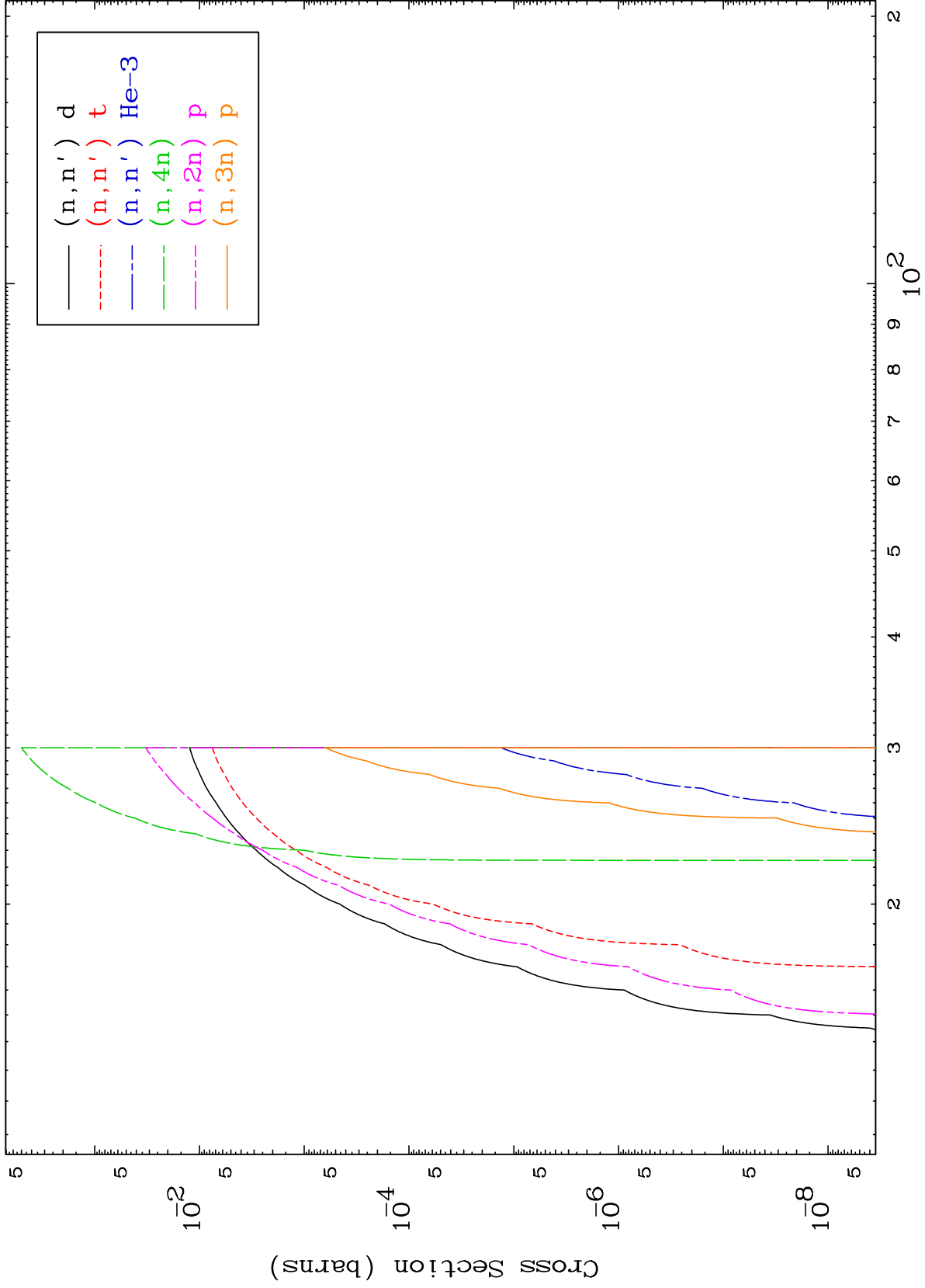
E.Mail:redcullen1@comcast.net

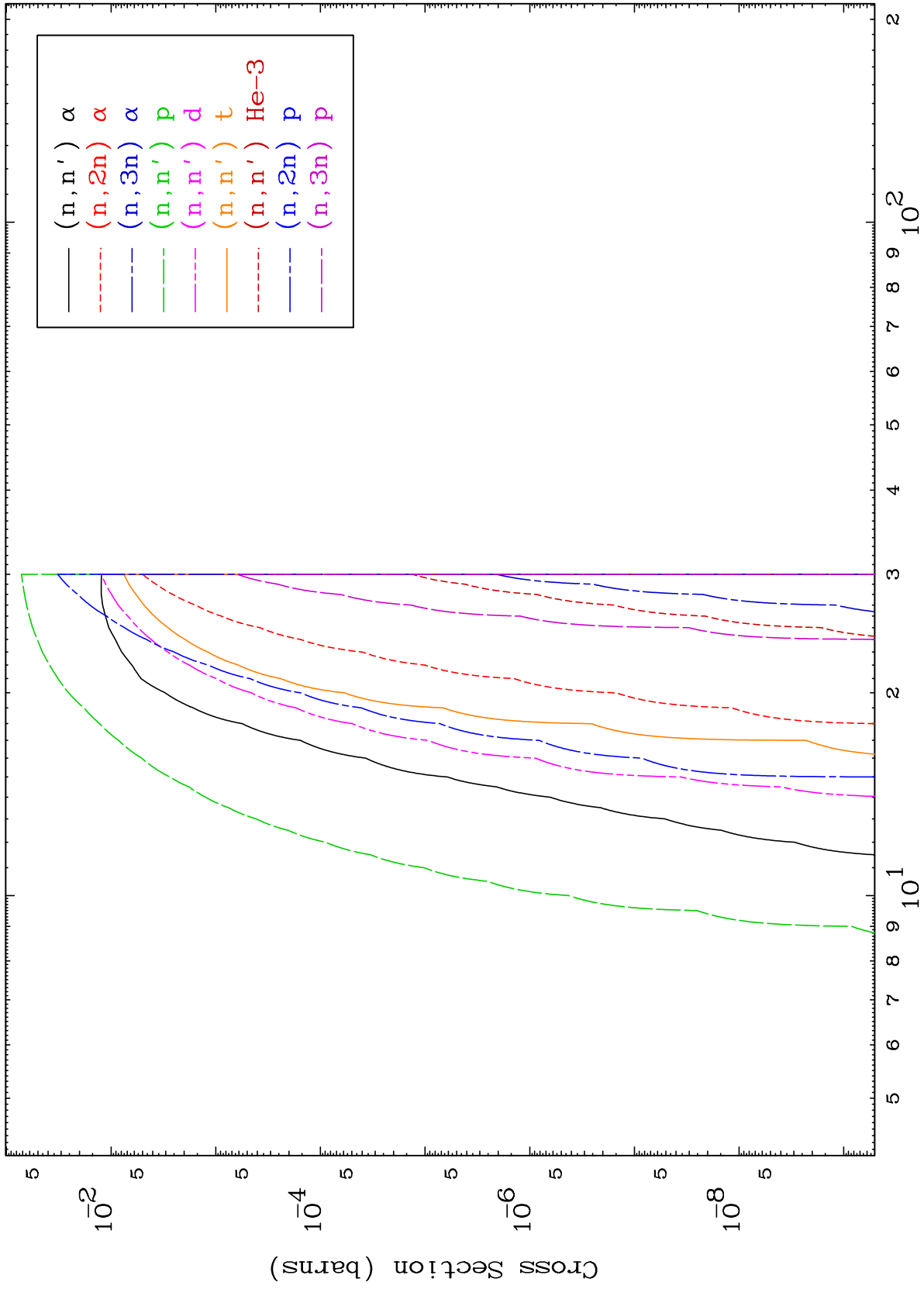
Web:redcullen1.net/HOMEPAGE.NEW

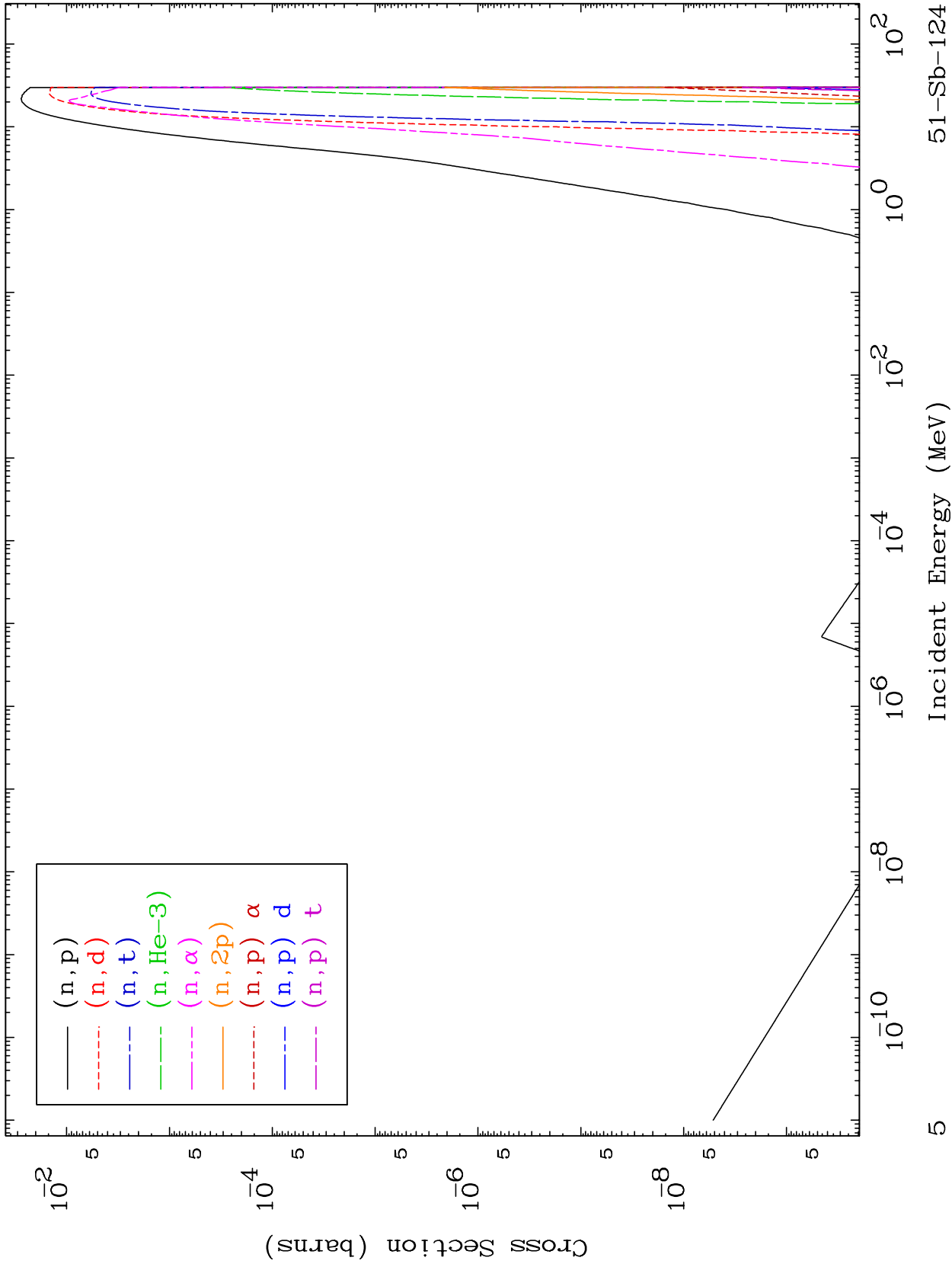
Press Mouse Button to Start







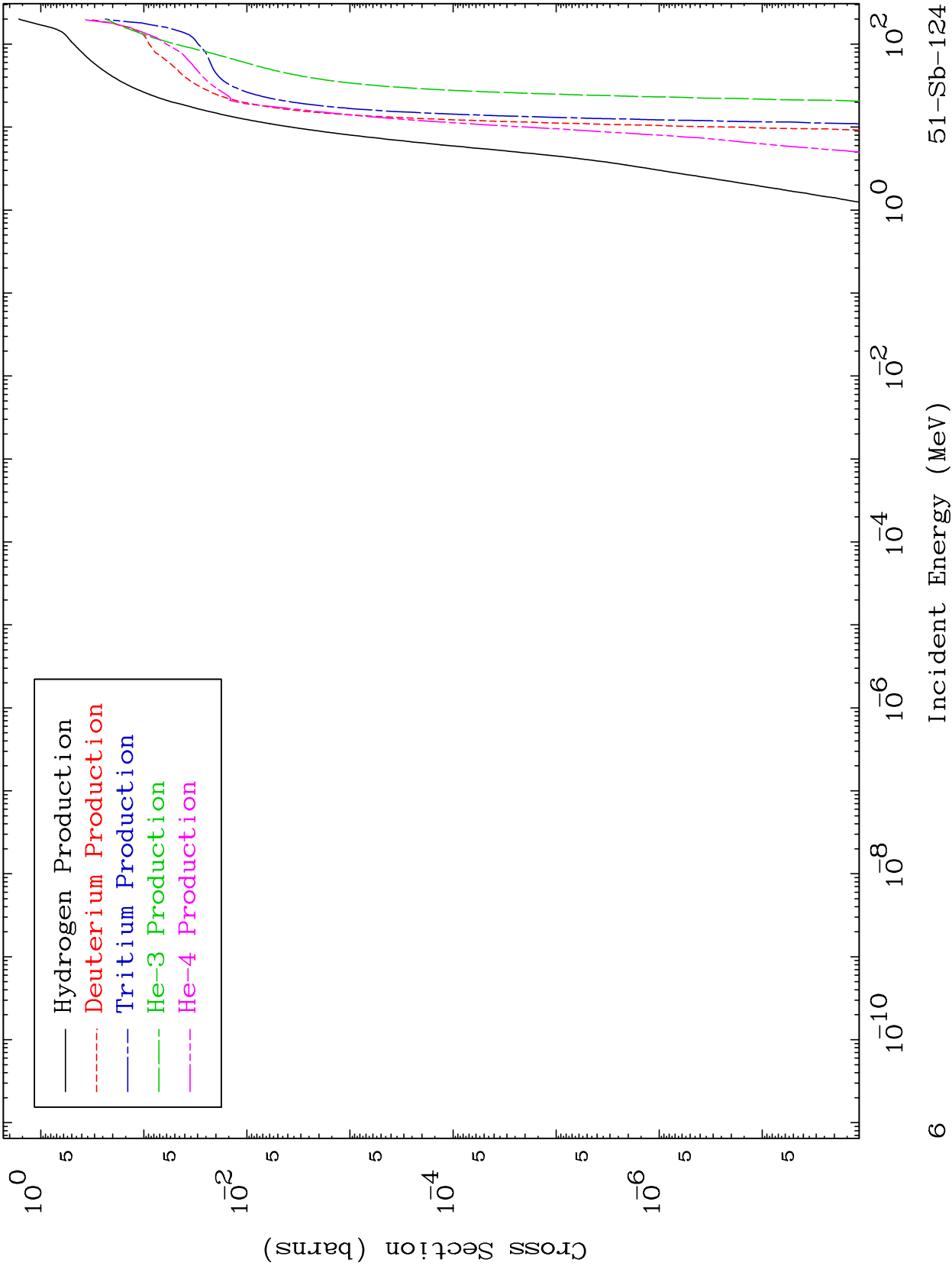




MAT 5135

Particle Production  
293 Kelvin Cross Sections

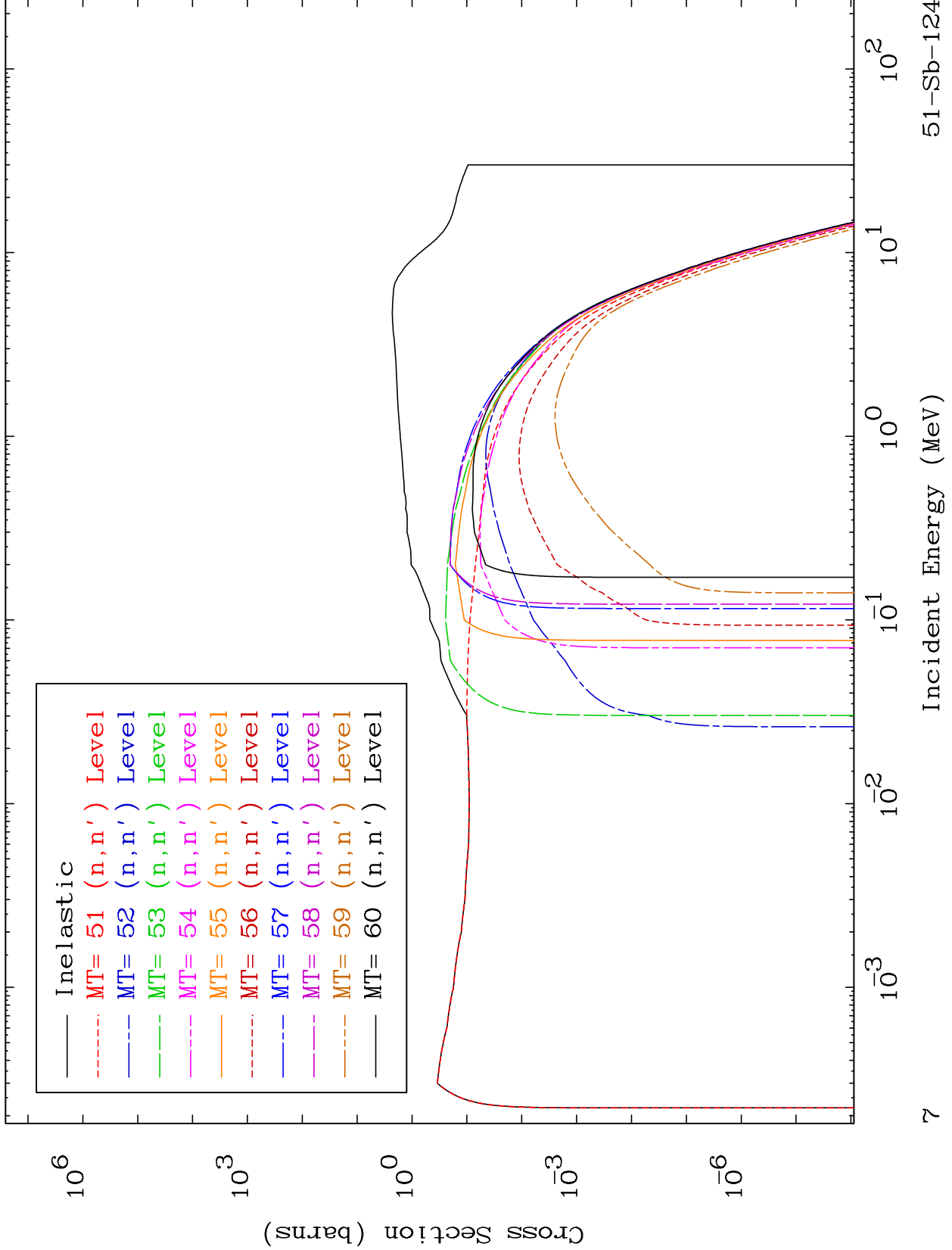
51-Sb-124



MAT 5135

(n,n') Level  
293 Kelvin Cross Sections

51-Sb-124



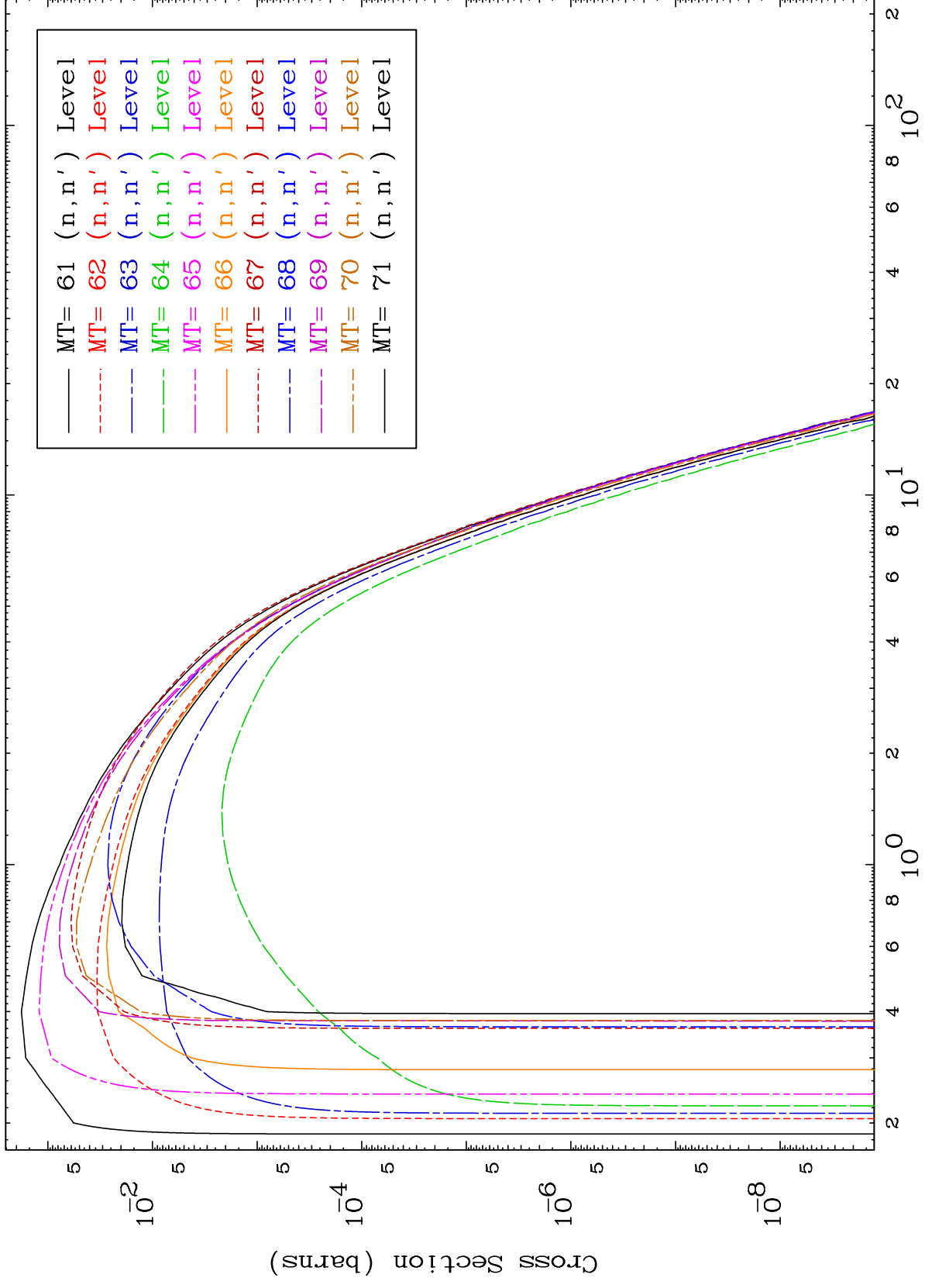


MAT 5135

(n,n') Level

51-Sb-124

293 Kelvin Cross Sections

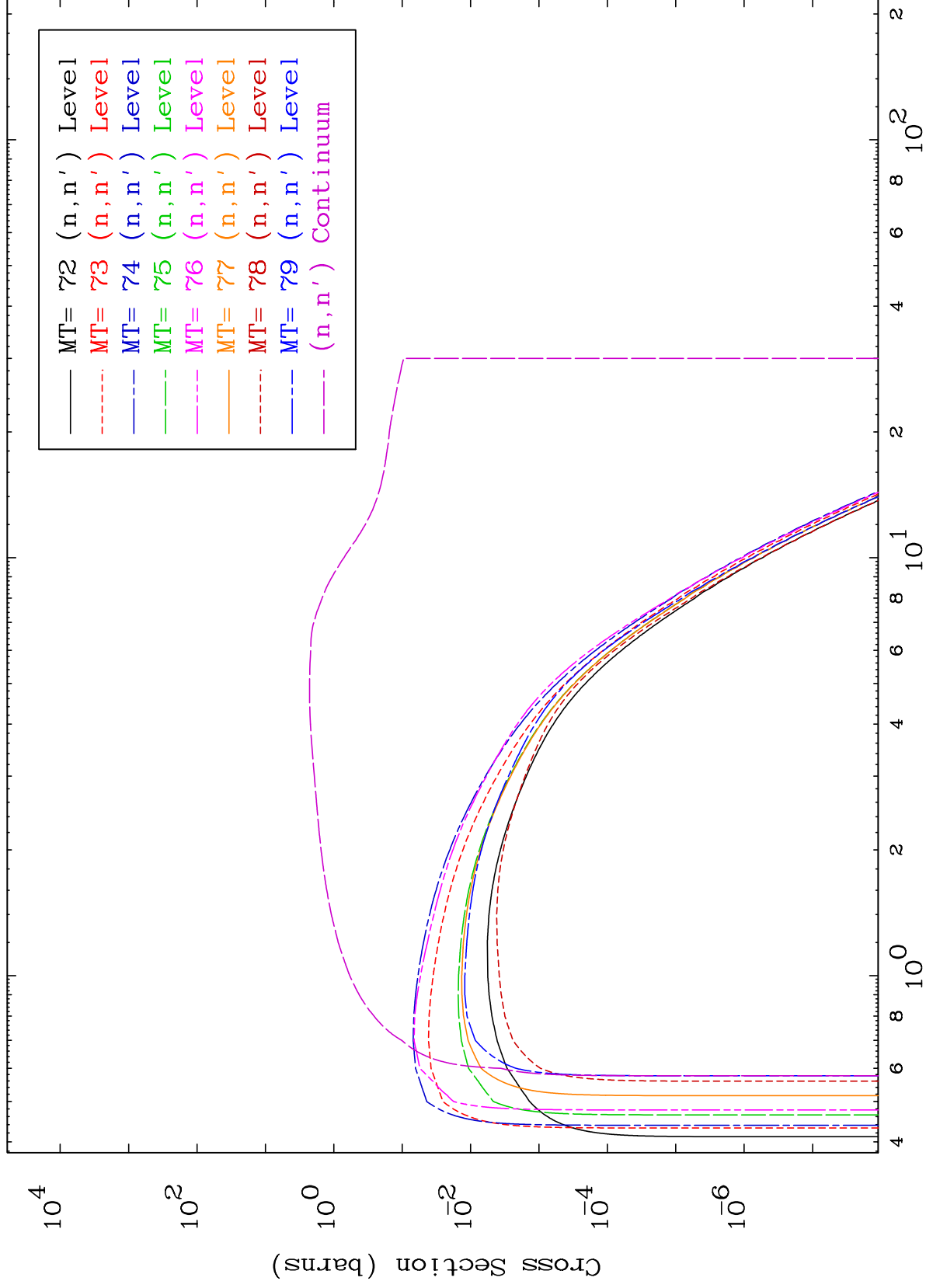


8

Incident Energy (MeV)

51-Sb-124

293 Kelvin Cross Sections

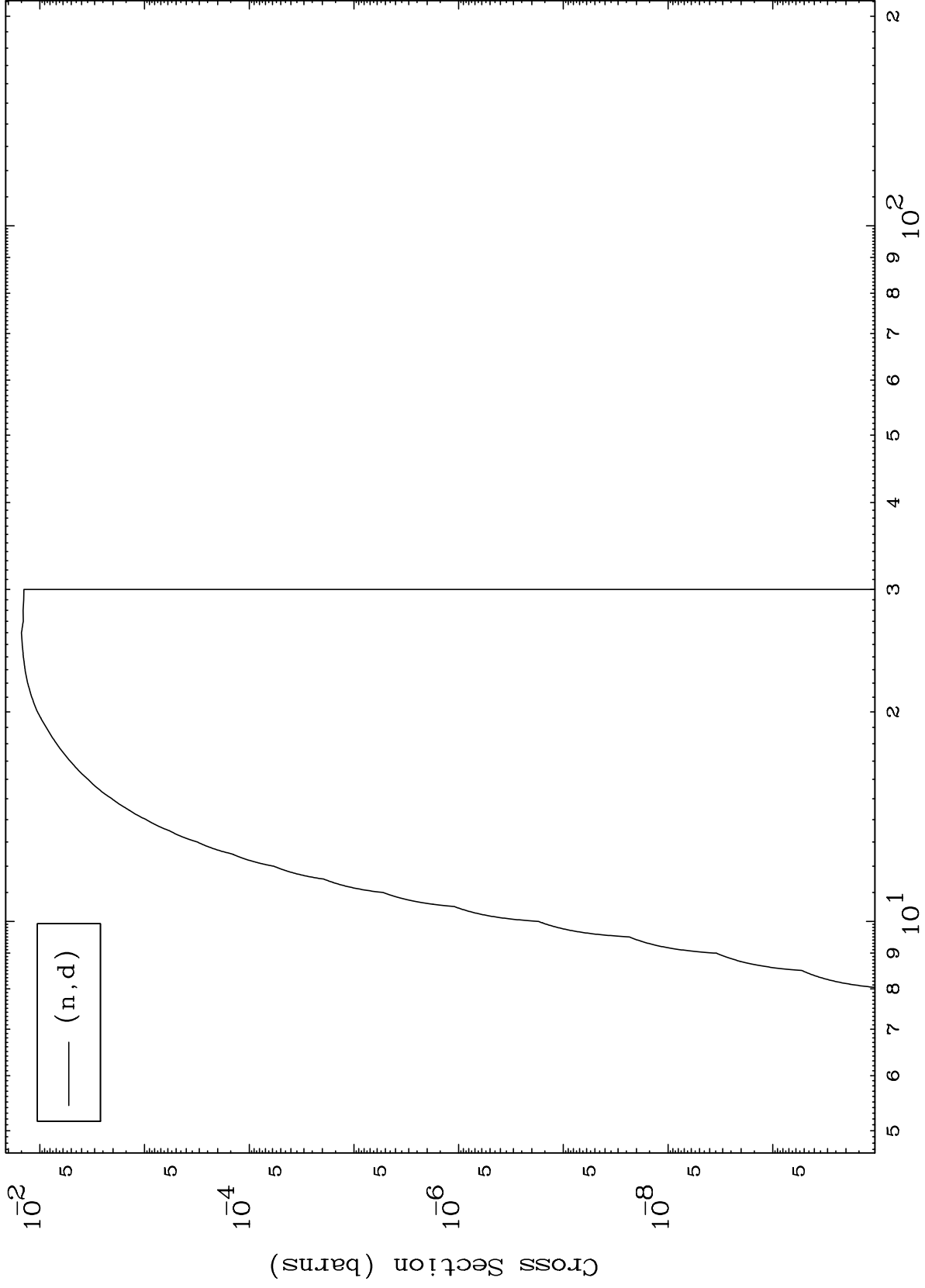




MAT 5135

(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-124



11

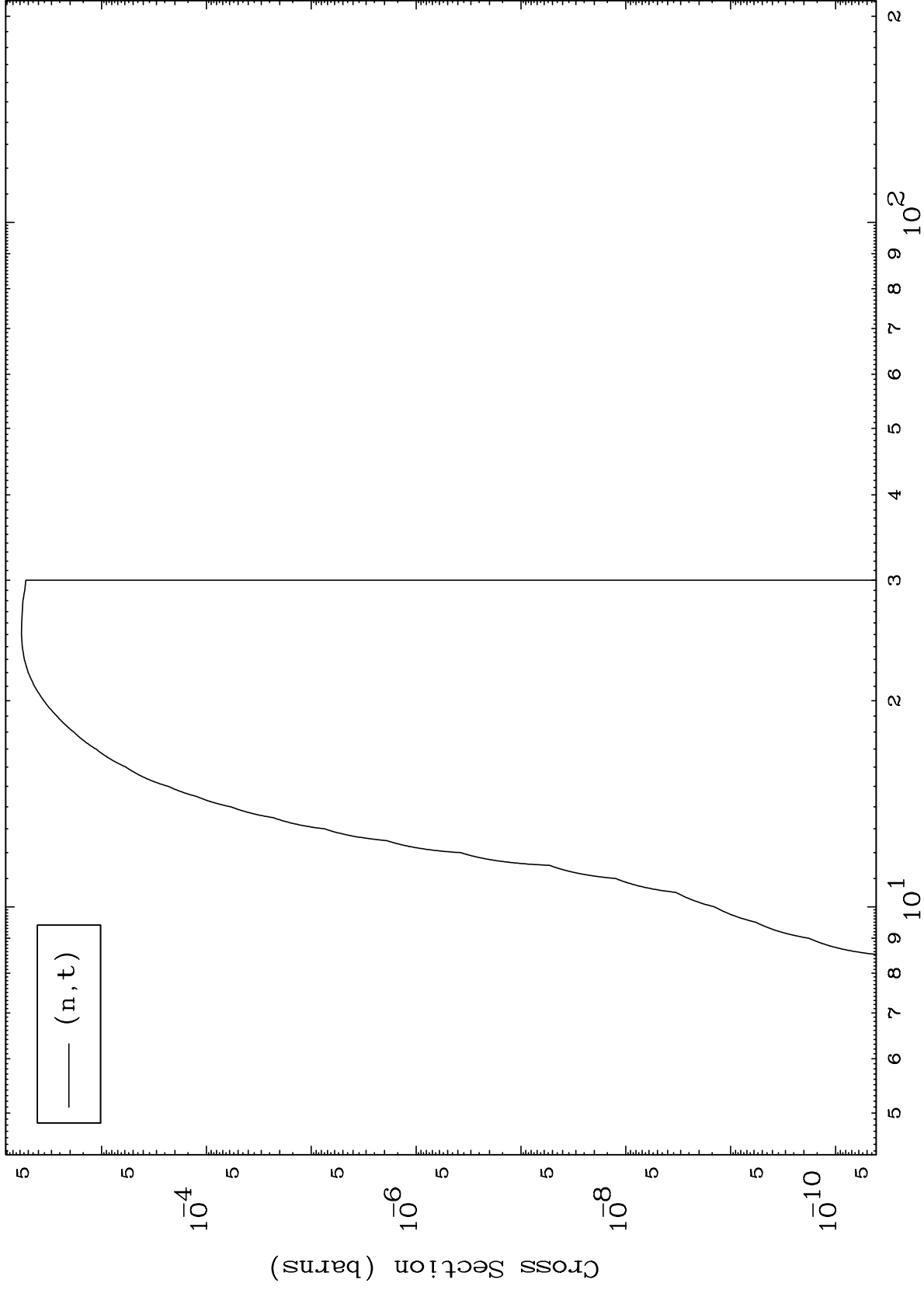
Incident Energy (MeV)

51-Sb-124

MAT 5135

(n,t) Levels  
293 Kelvin Cross Sections

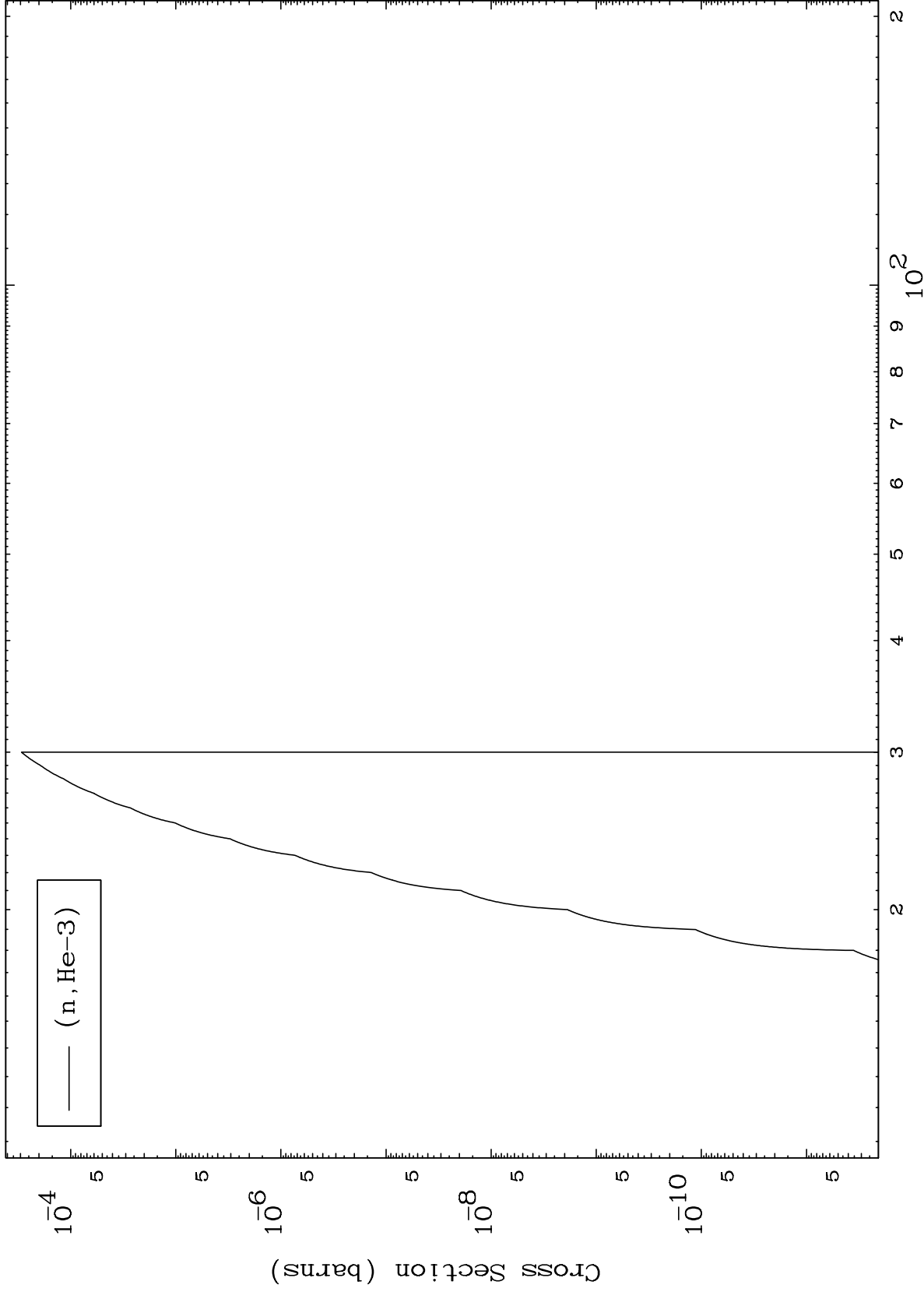
51-Sb-124



12

Incident Energy (MeV)

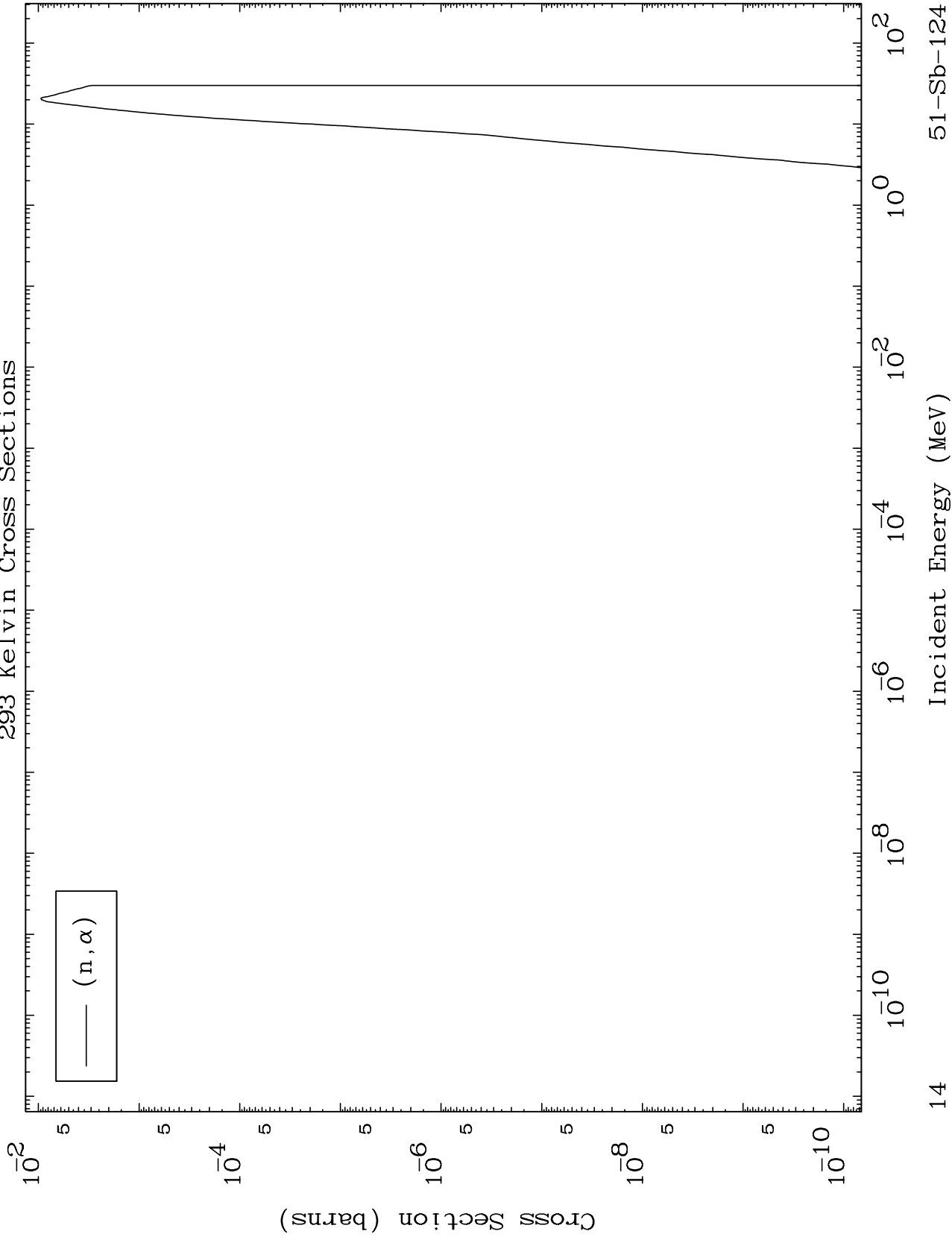
51-Sb-124

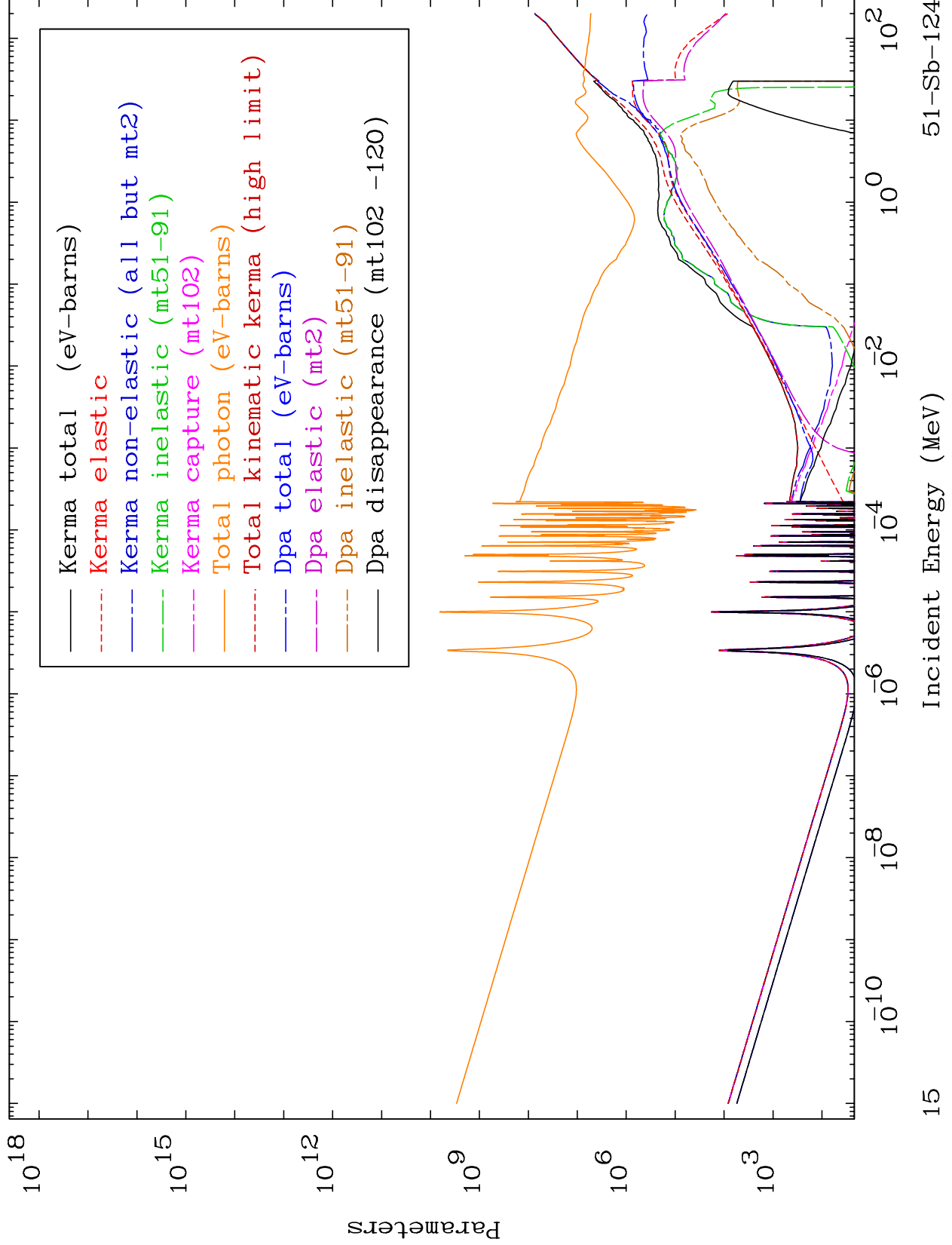


MAT 5135

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

51-Sb-124





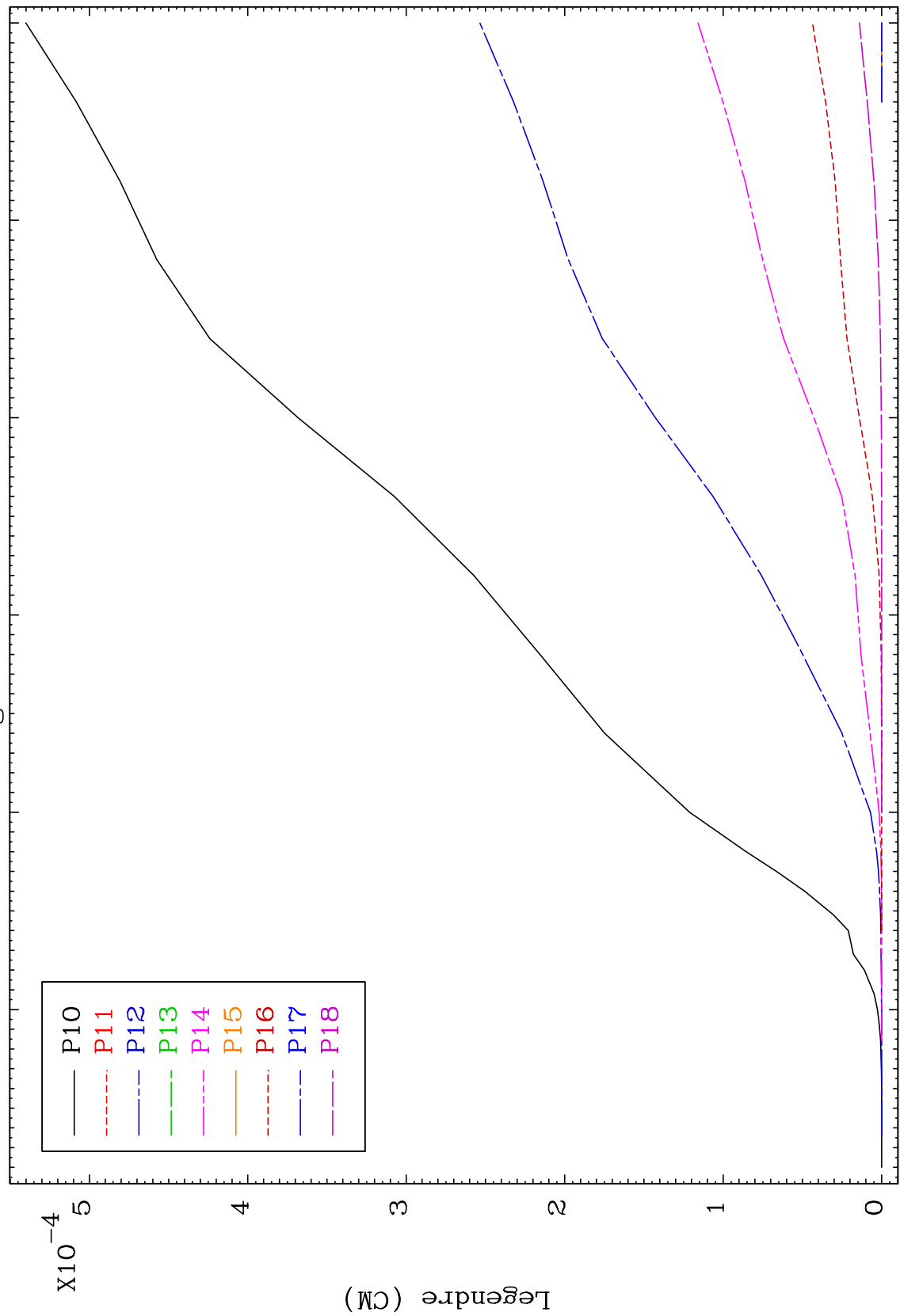




MAT 5135

Elastic Legendre Coefficients

51-Sb-124



17

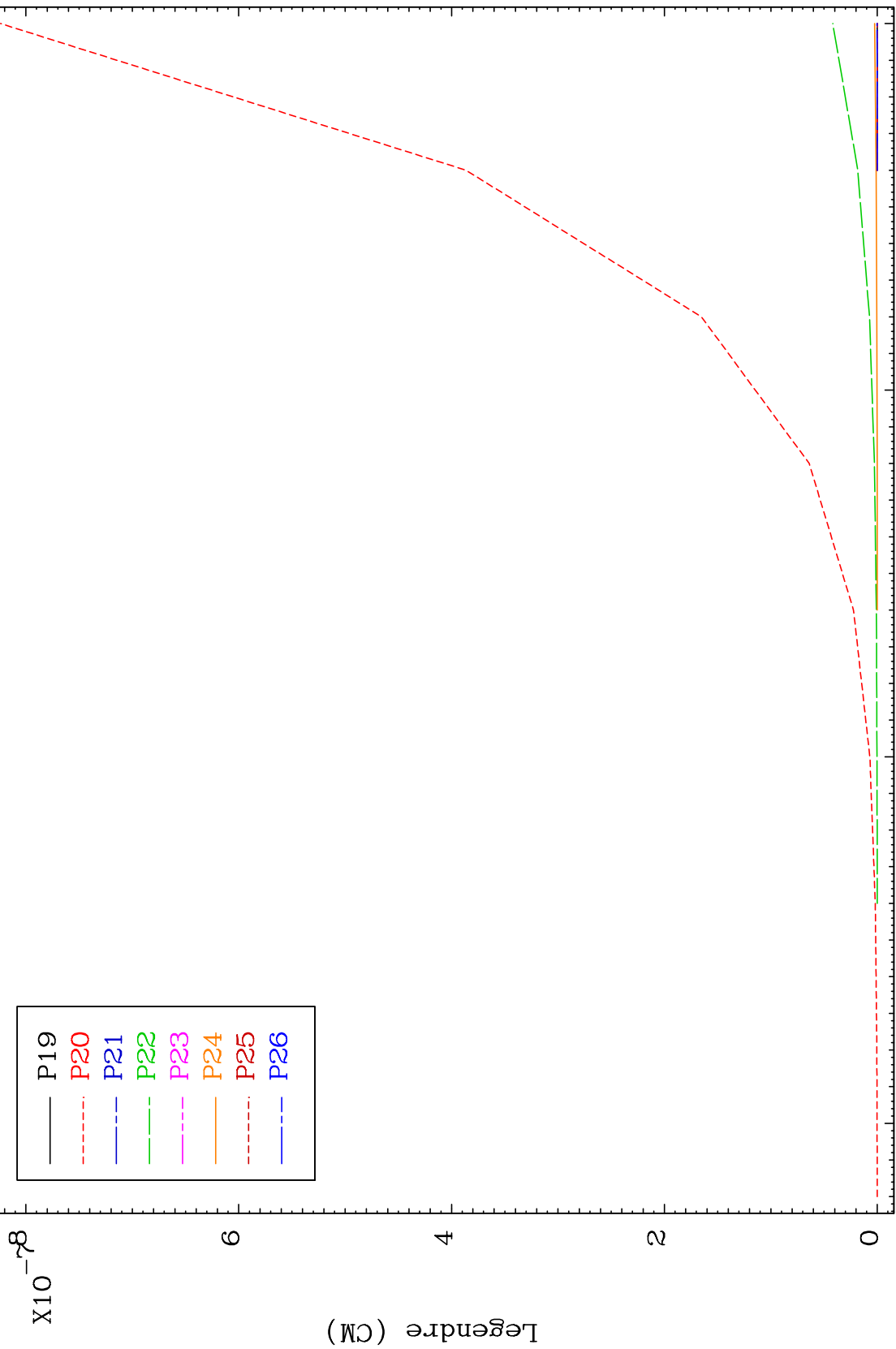
Incident Energy (MeV)

51-Sb-124

MAT 5135

Elastic  
Legendre Coefficients

51-Sb-124



18

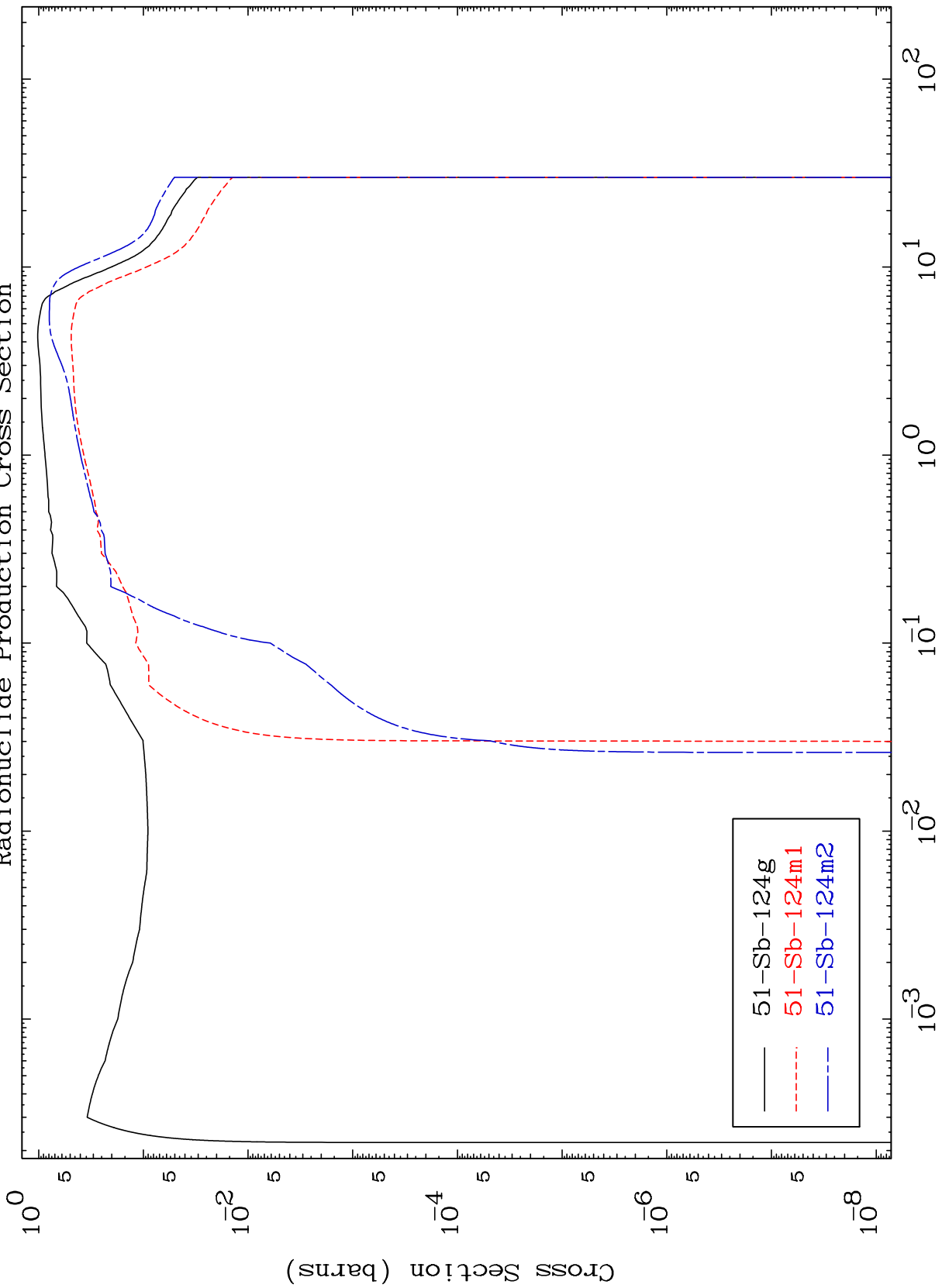
Incident Energy (MeV)

51-Sb-124

MAT 5135

51-Sb-124

Inelastic  
Radionuclide Production Cross Section



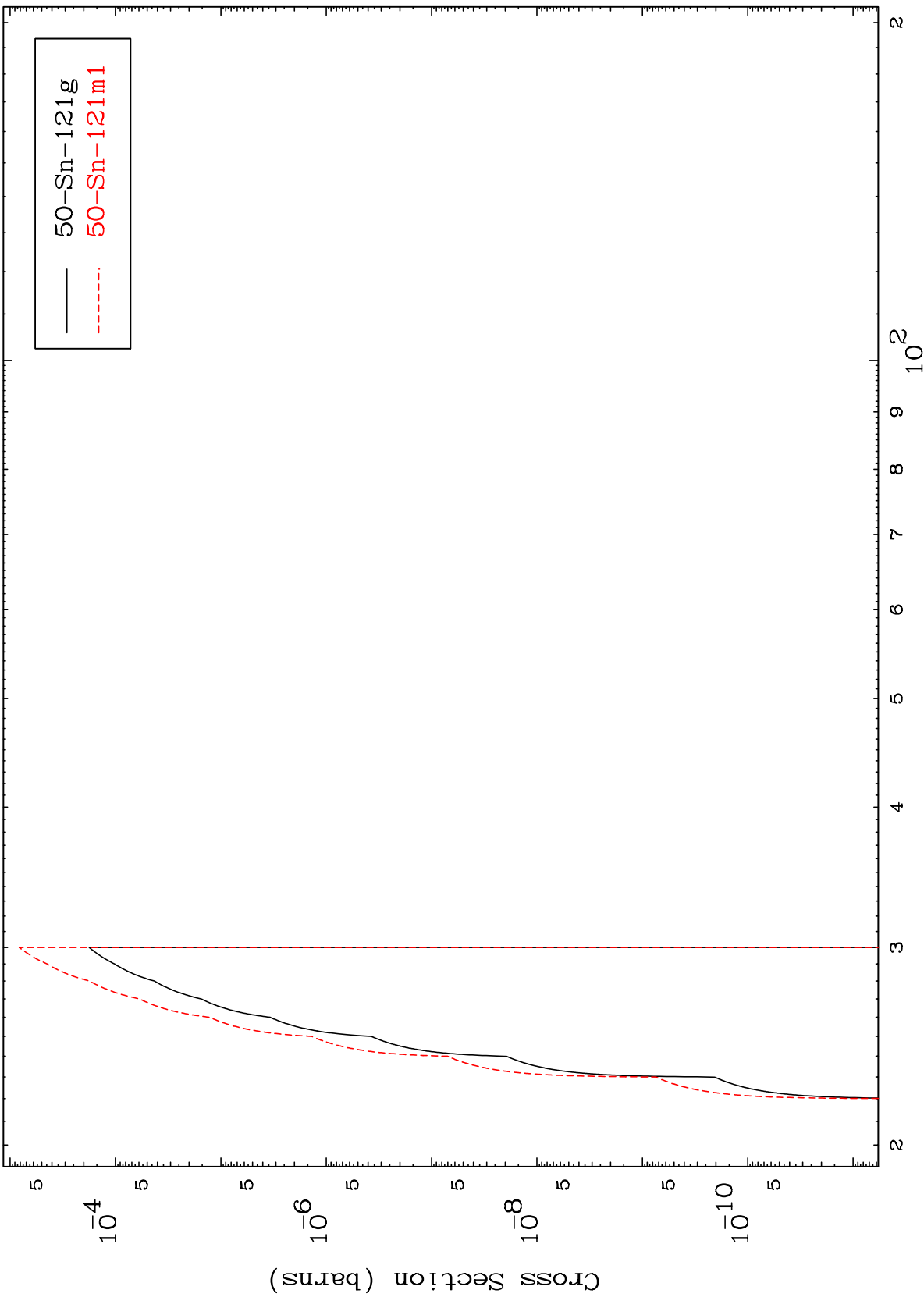
51-Sb-124g  
51-Sb-124m1  
51-Sb-124m2

MAT 5135

(n,2n) d

51-Sb-124

Radionuclide Production Cross Section



20

Incident Energy (MeV)

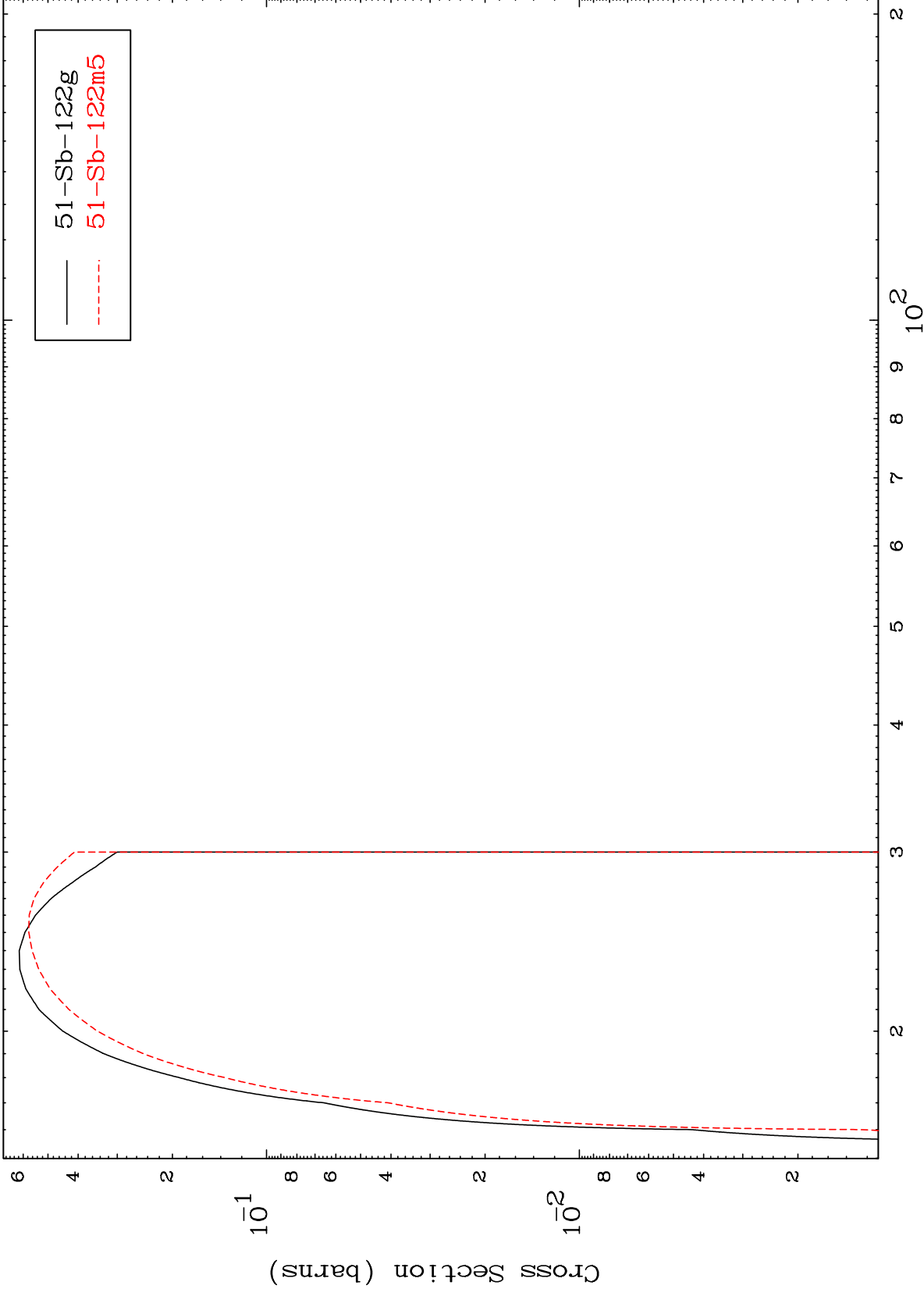
51-Sb-124

MAT 5135

(n,3n)

51-Sb-124

Radionuclide Production Cross Section



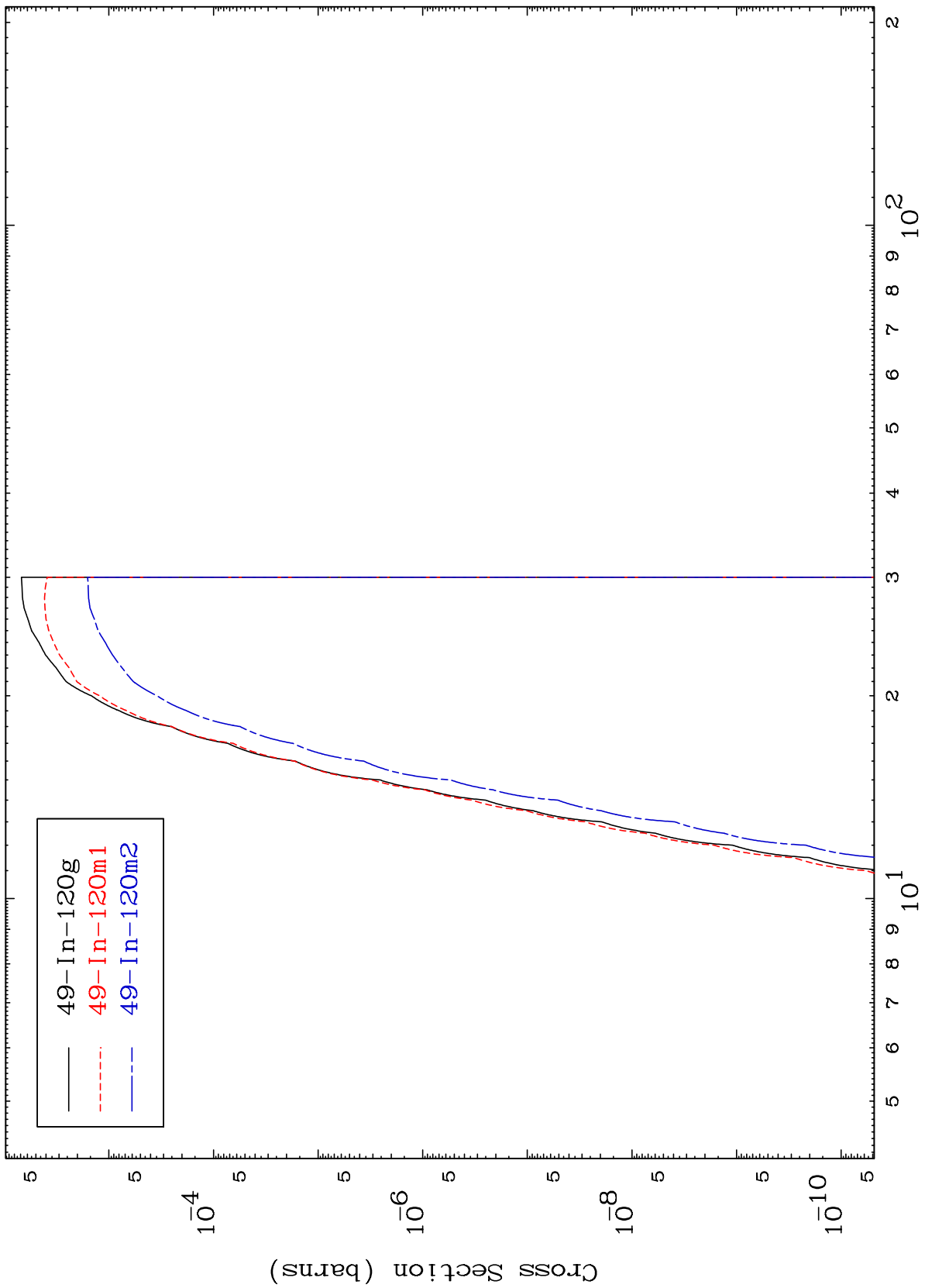
51-Sb-122g  
51-Sb-122m5

21

Incident Energy (MeV)

51-Sb-124

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

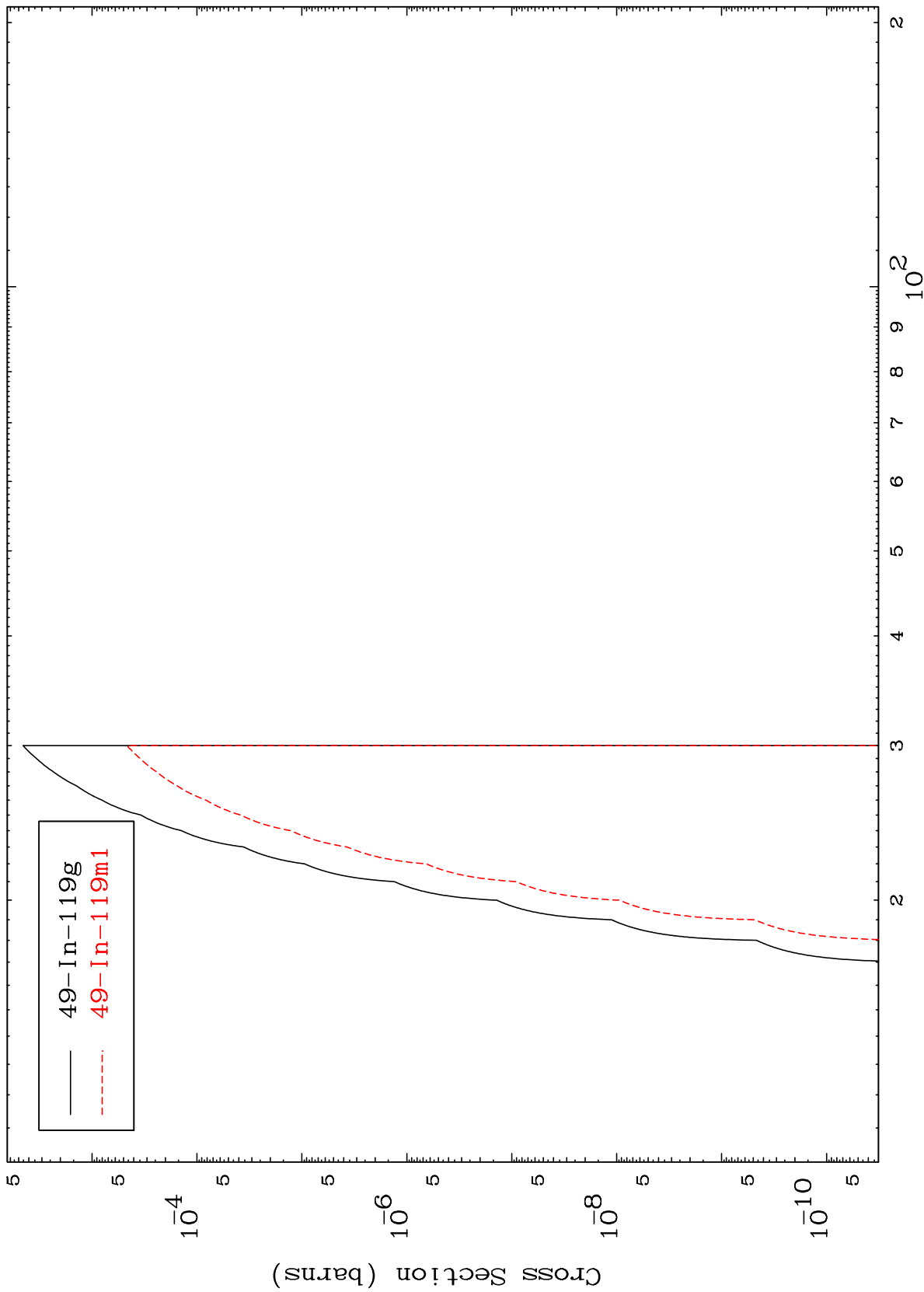


MAT 5135

(n,2n)  $\alpha$

51-Sb-124

Radionuclide Production Cross Section

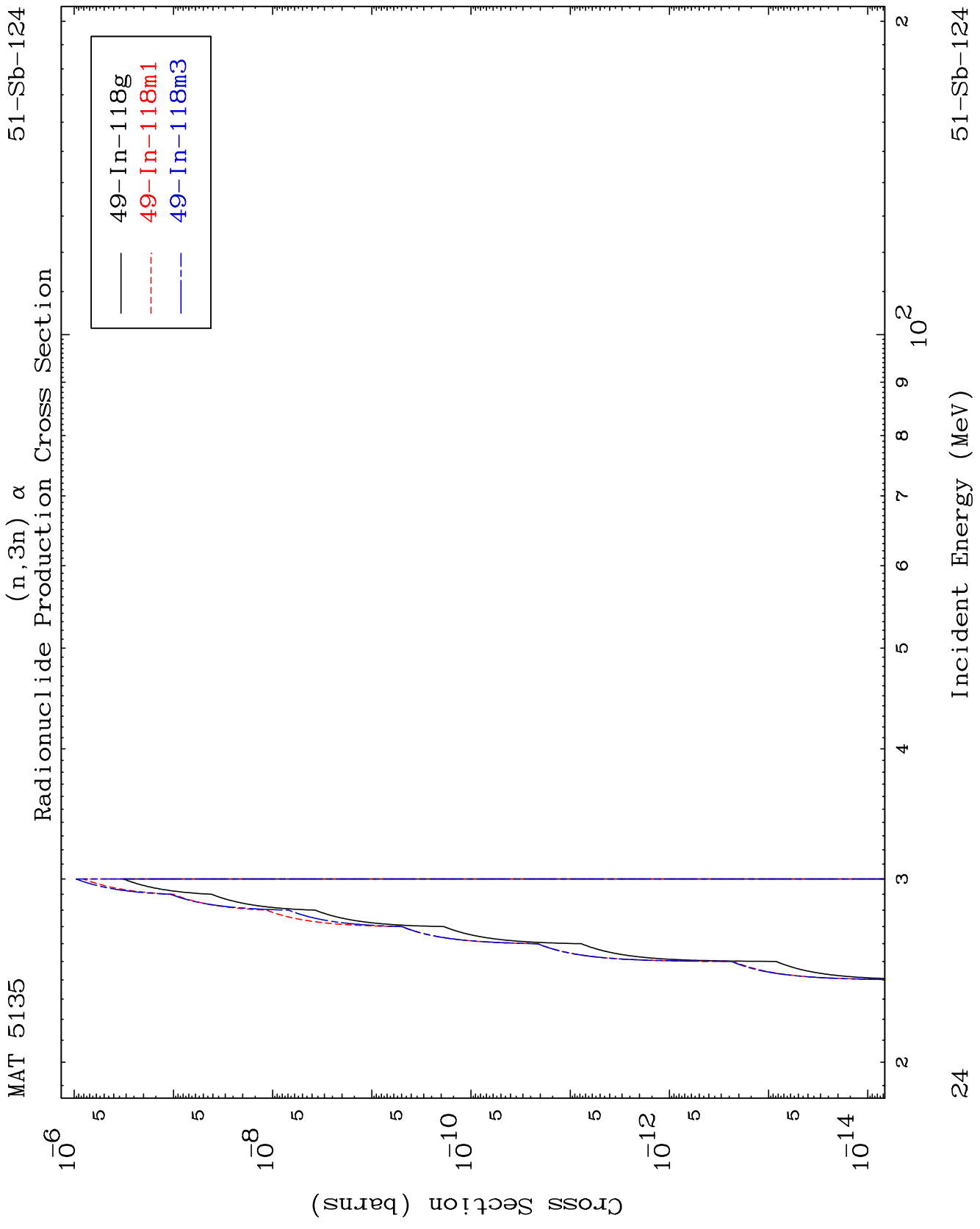


Incident Energy (MeV)

51-Sb-124

23



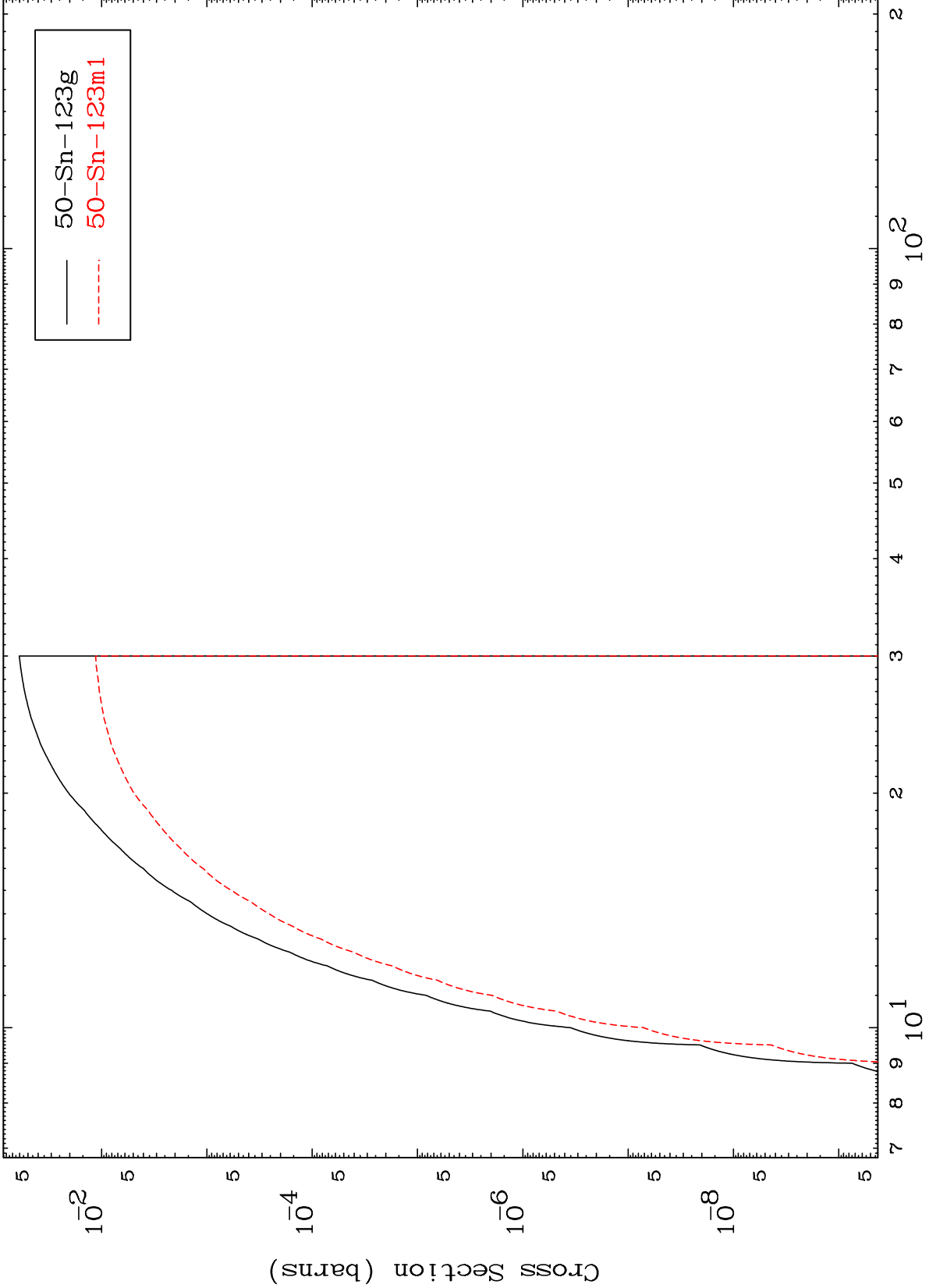


MAT 5135

(n,n') p

51-Sb-124

Radionuclide Production Cross Section

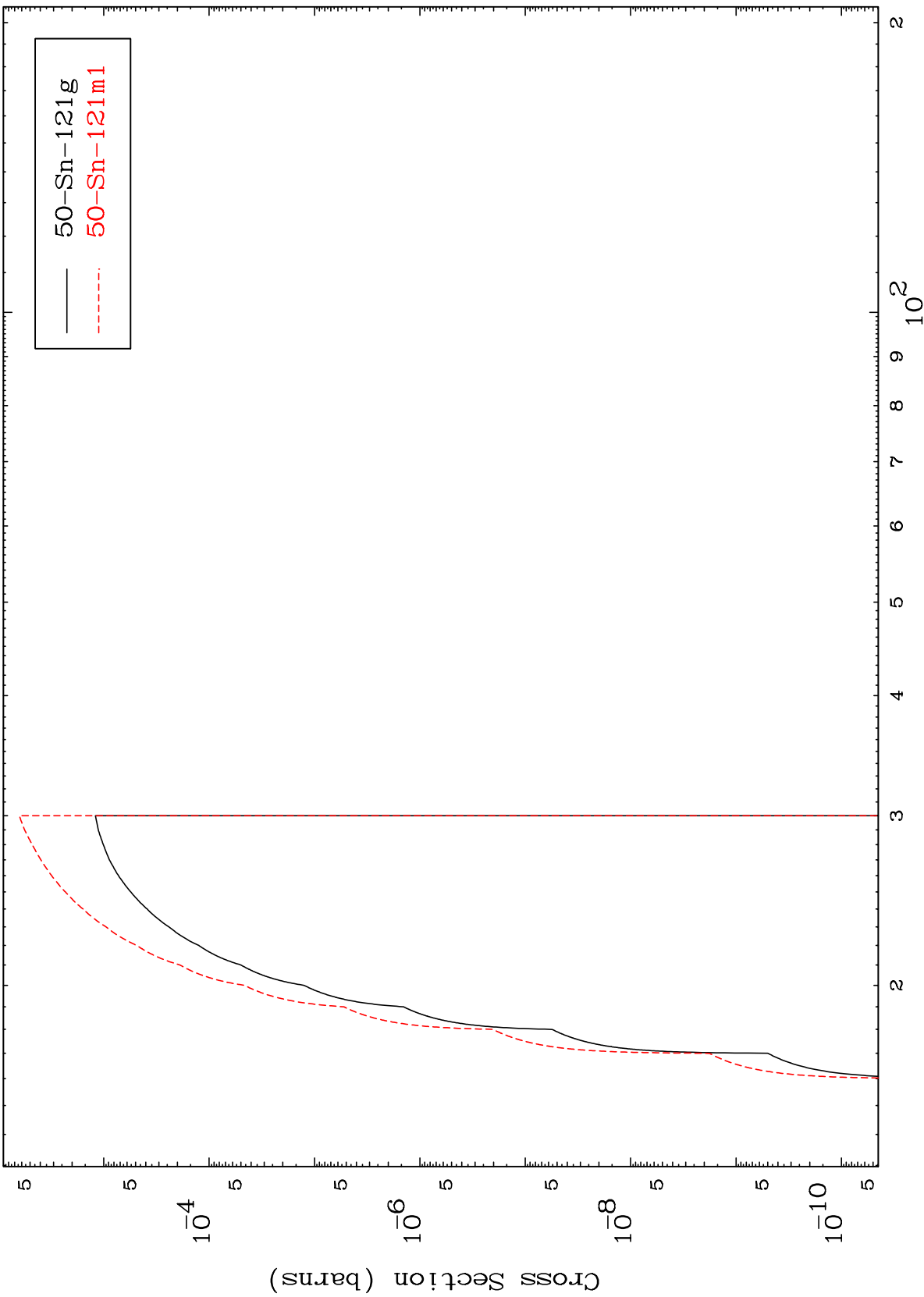


25

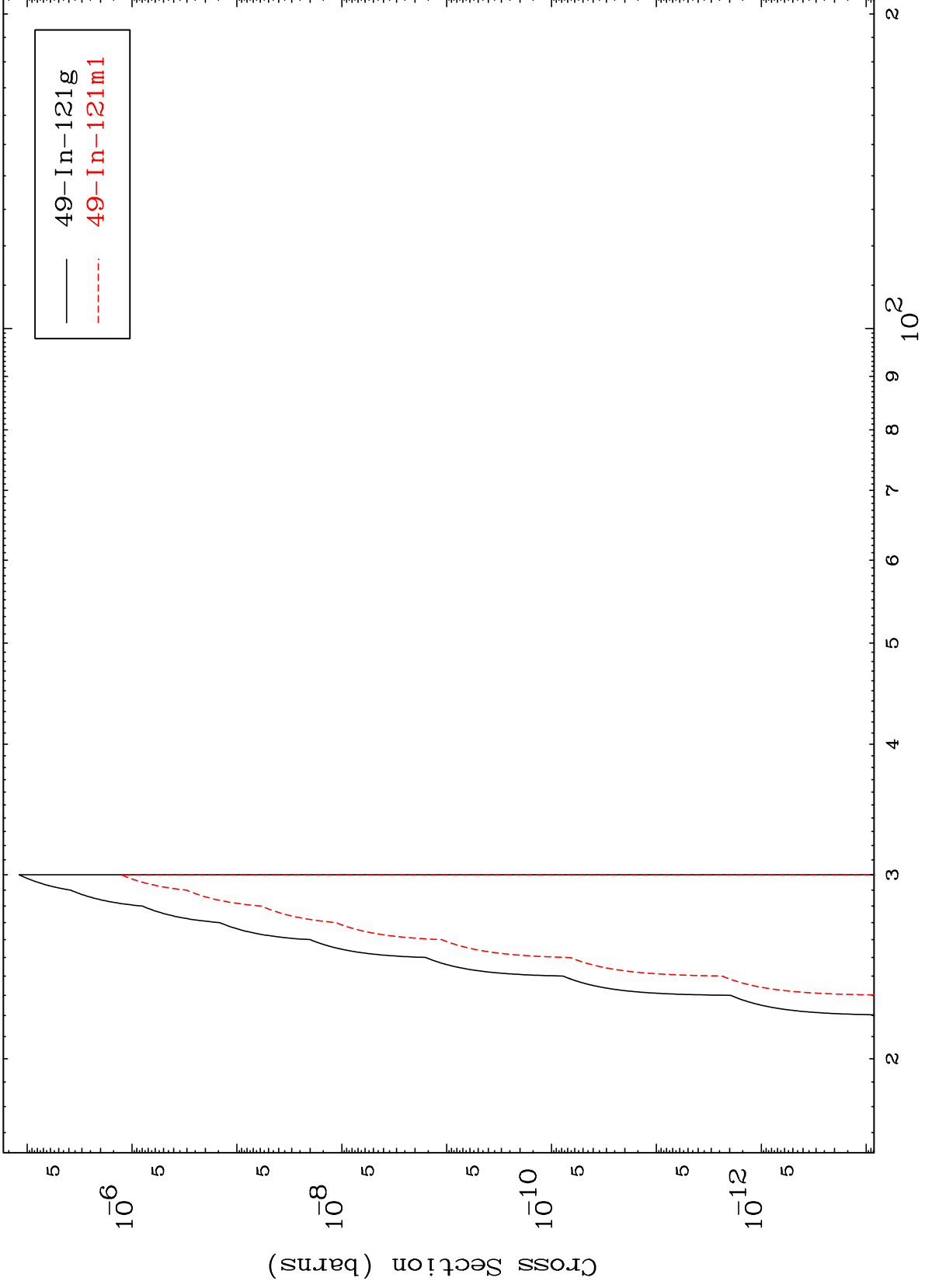
Incident Energy (MeV)

51-Sb-124

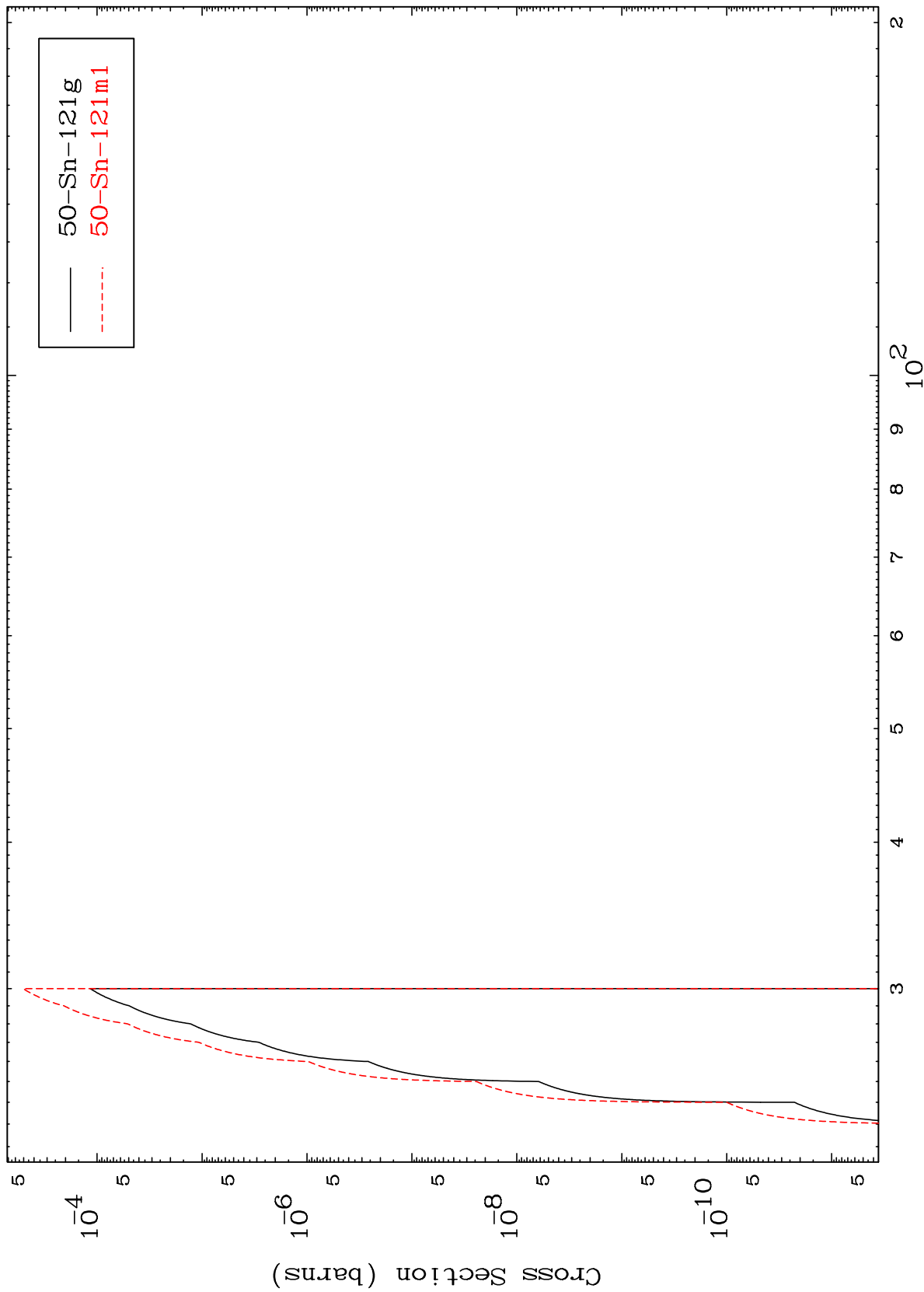
Radionuclide Production Cross Section



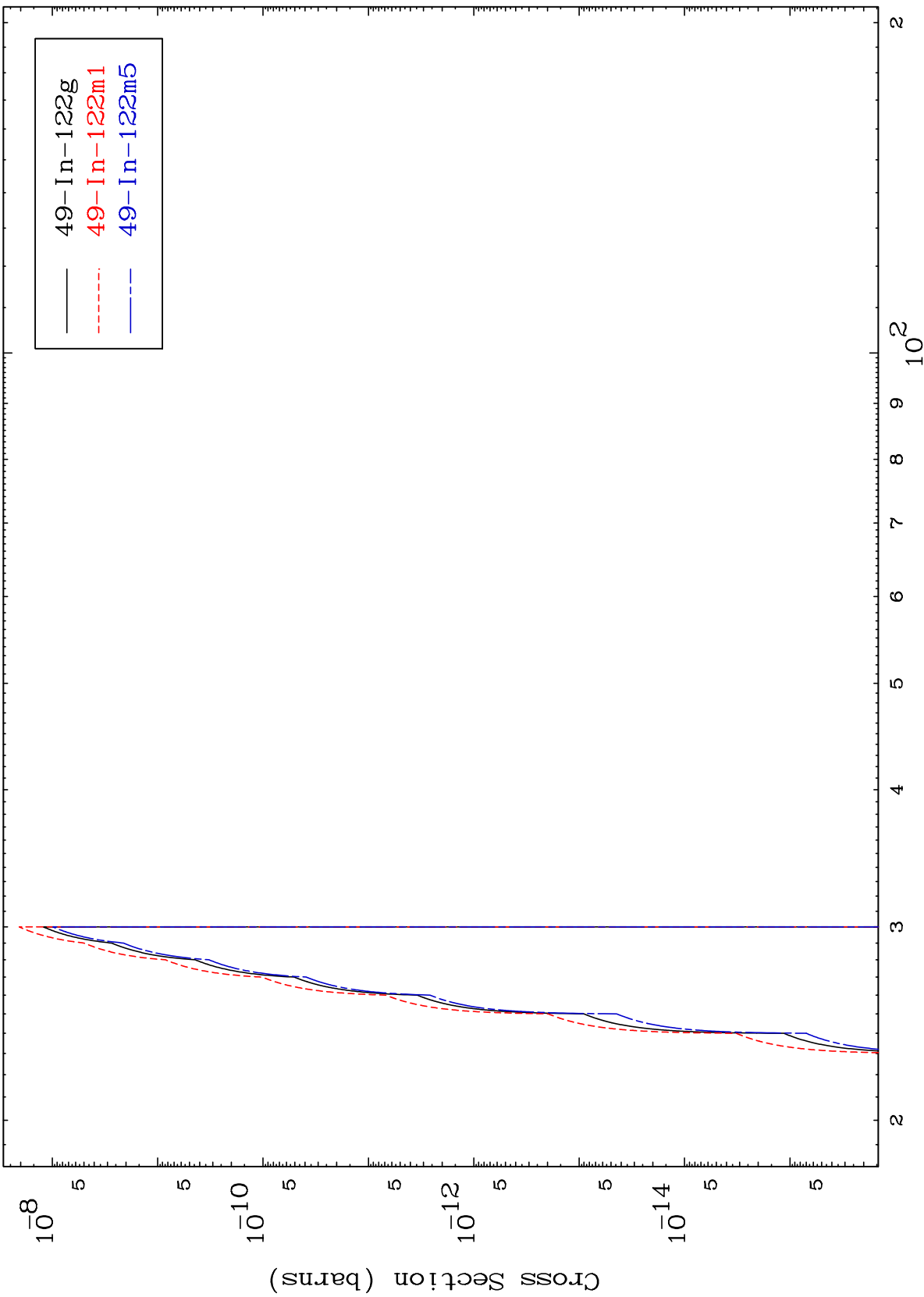
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

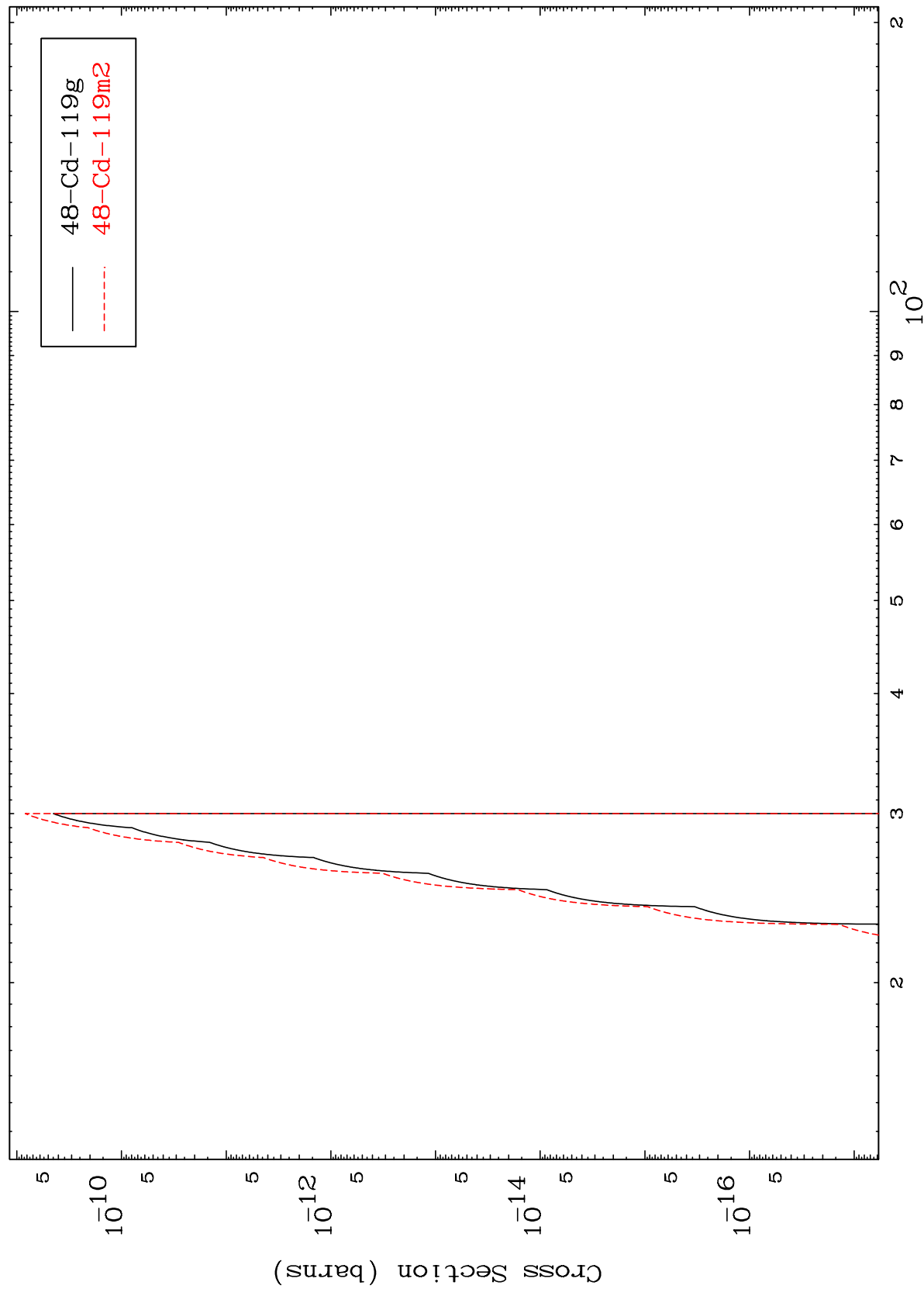


MAT 5135

(n,n') p  $\alpha$

51-Sb-124

Radionuclide Production Cross Section



30

Incident Energy (MeV)

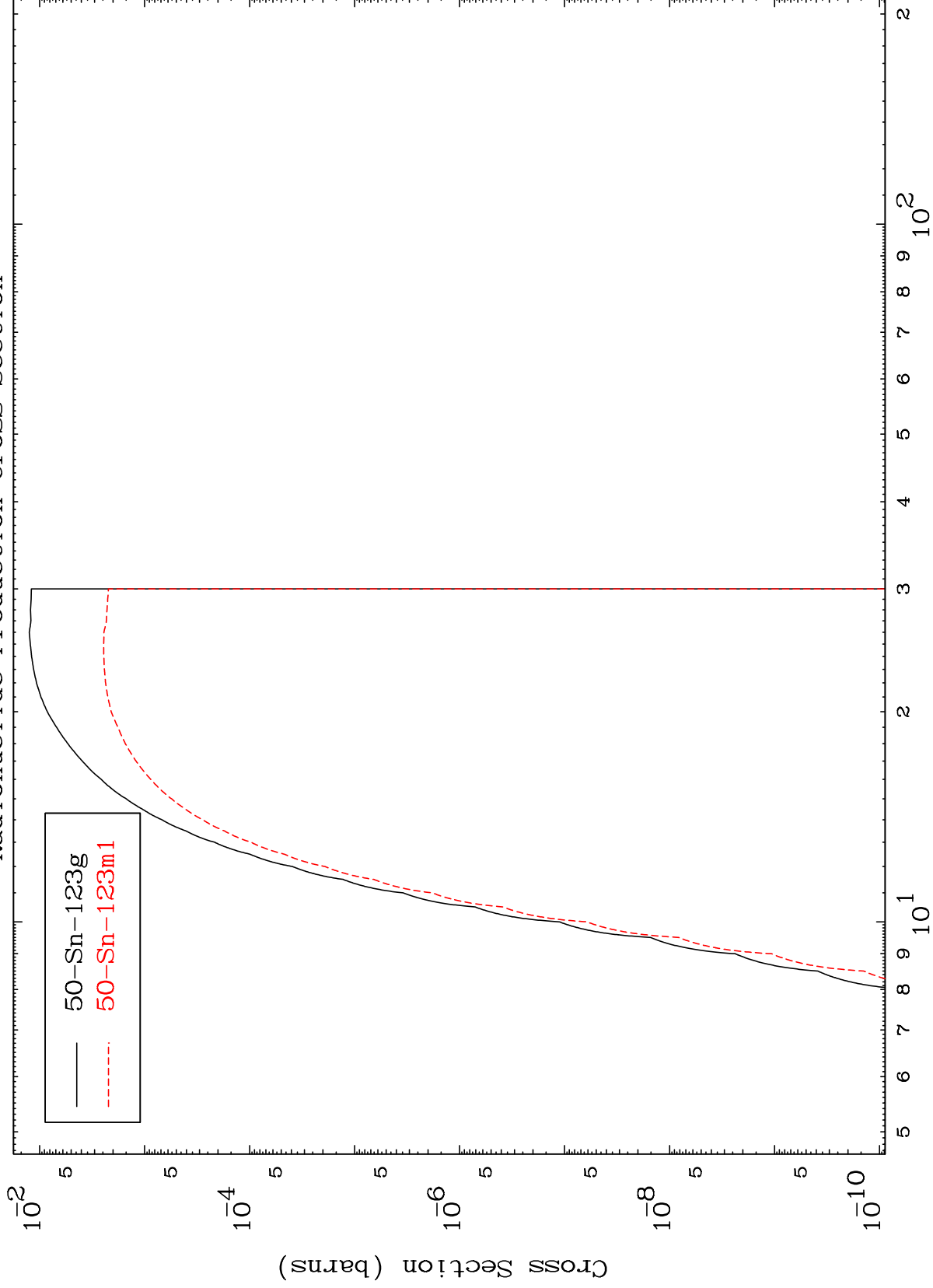
51-Sb-124

MAT 5135

(n,d)

51-Sb-124

Radionuclide Production Cross Section



31

Incident Energy (MeV)

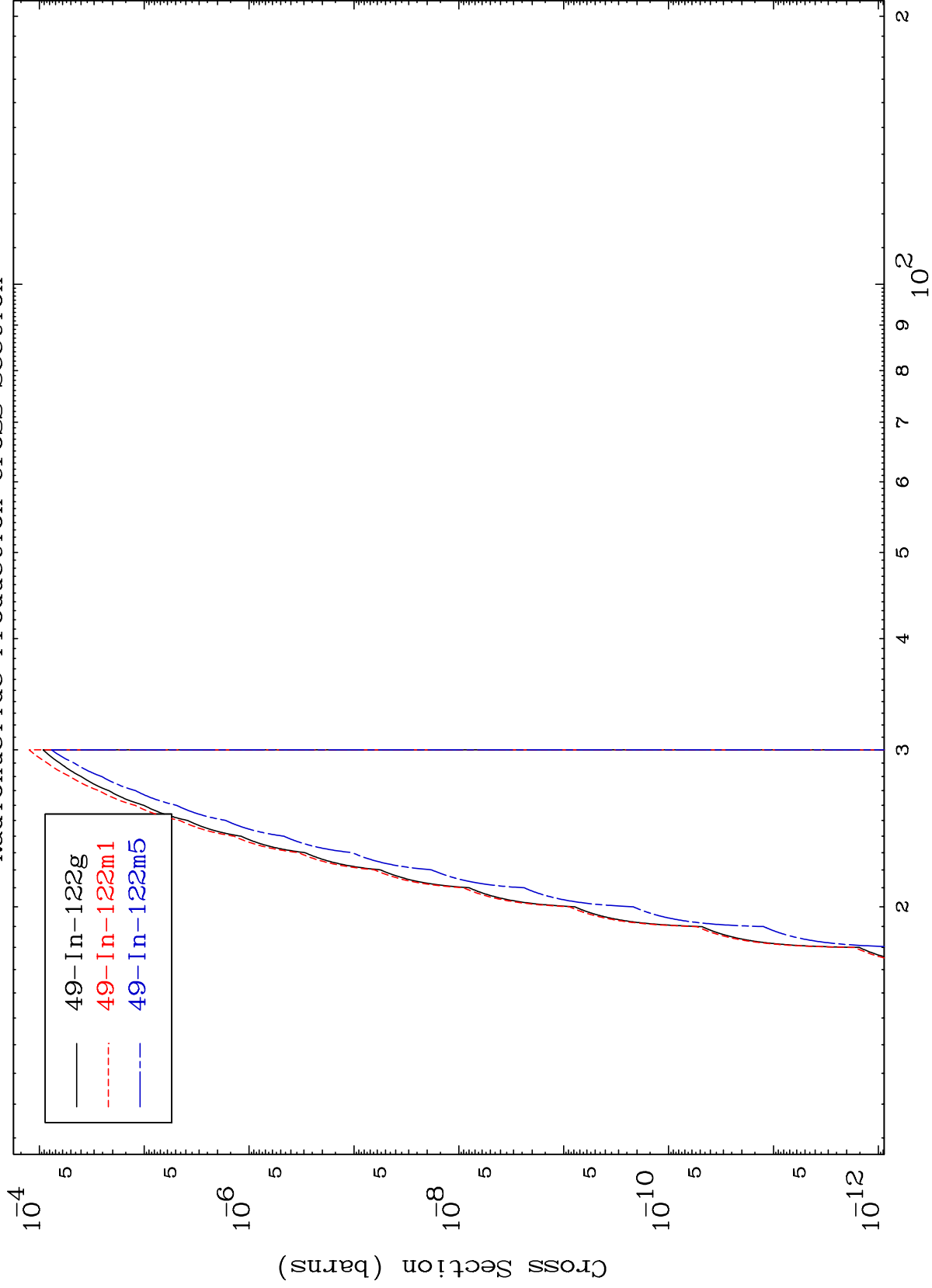
51-Sb-124



MAT 5135

51-Sb-124

Radionuclide Production Cross Section  
(n,He-3)



51-Sb-124

Incident Energy (MeV)

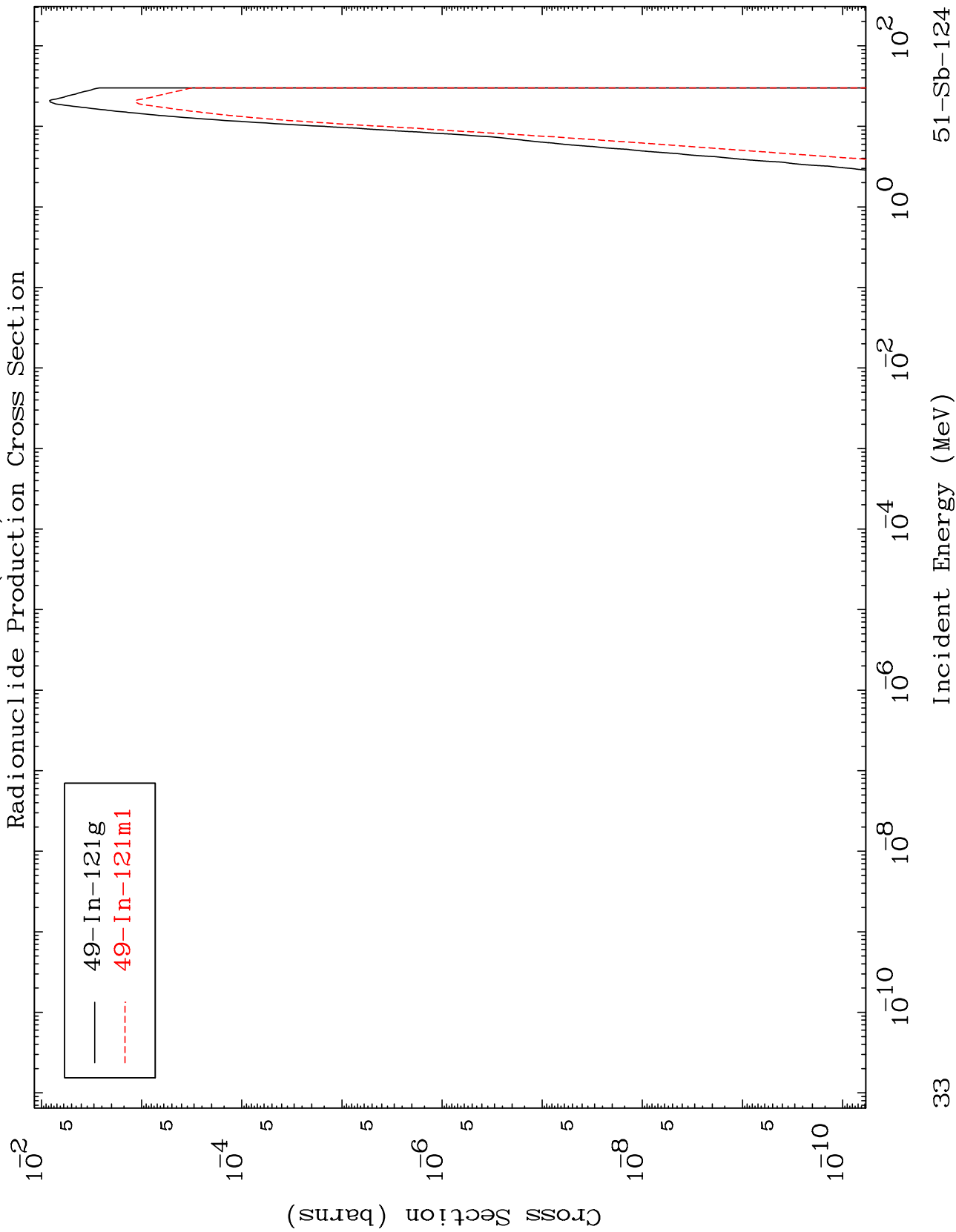
32

MAT 5135

(n,  $\alpha$ )

51-Sb-124

Radionuclide Production Cross Section

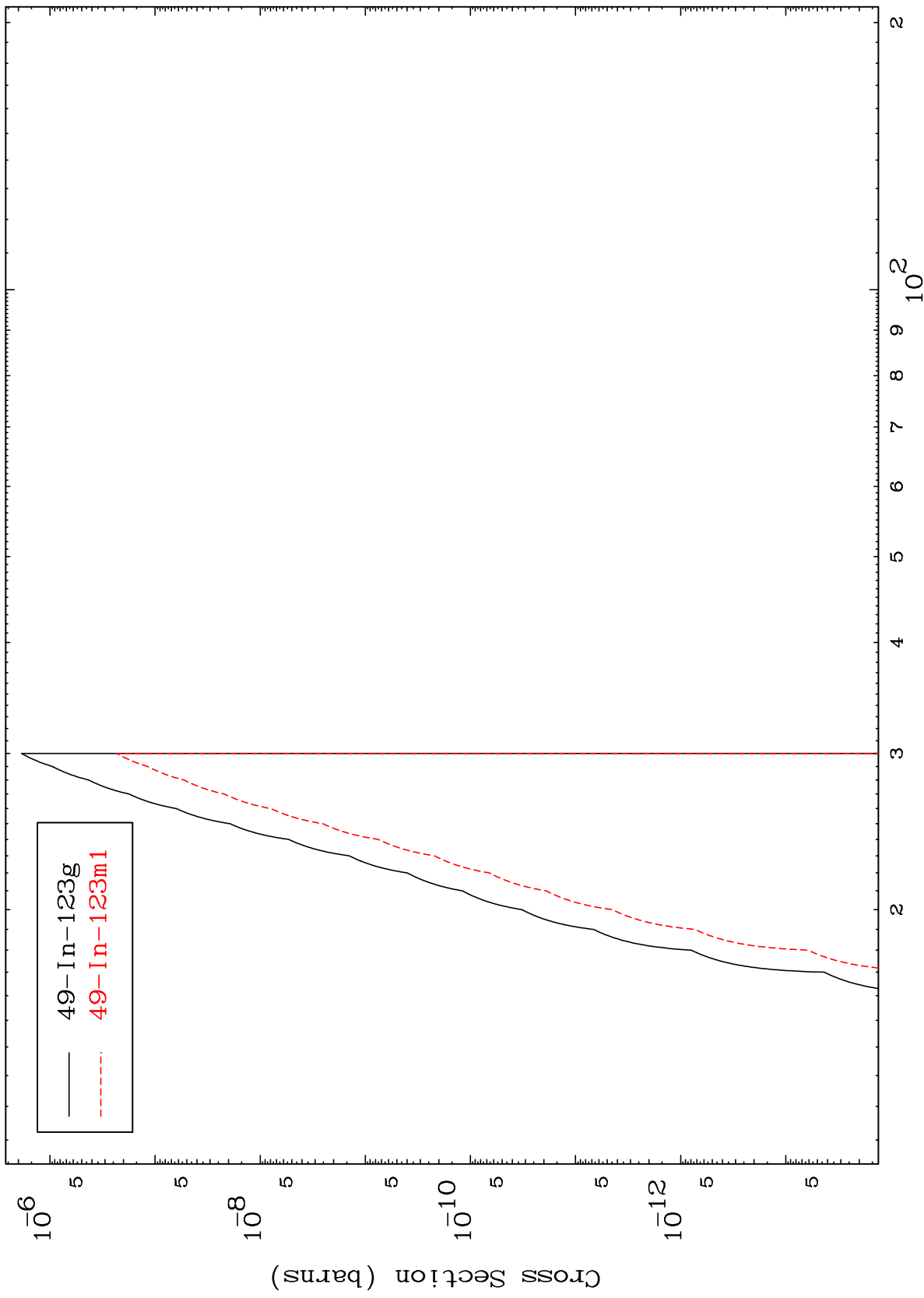


— 49-In-121g  
- - - 49-In-121m1

MAT 5135

51-Sb-124

(n,2p)  
Radionuclide Production Cross Section

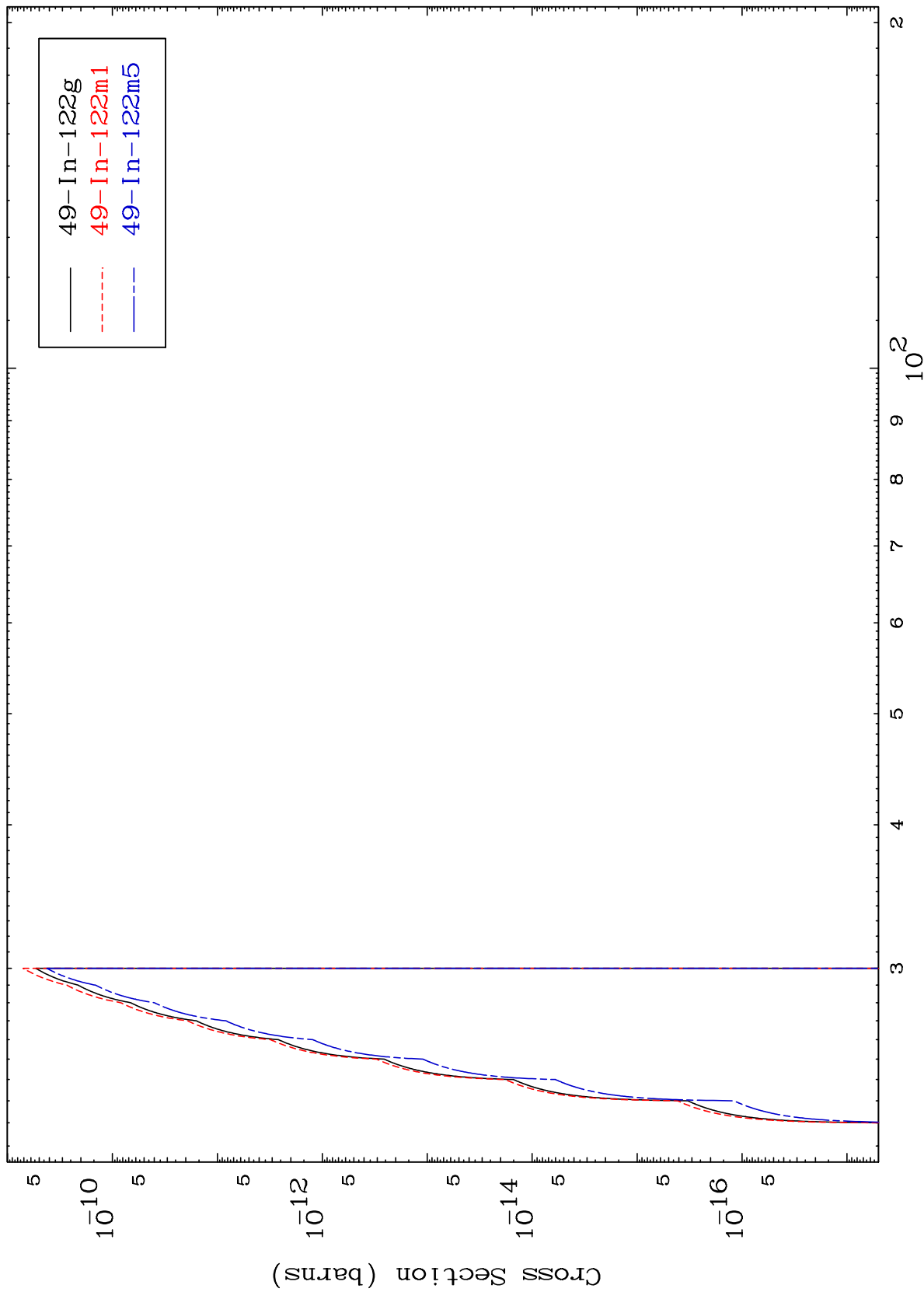


34

Incident Energy (MeV)

51-Sb-124

Radionuclide Production Cross Section

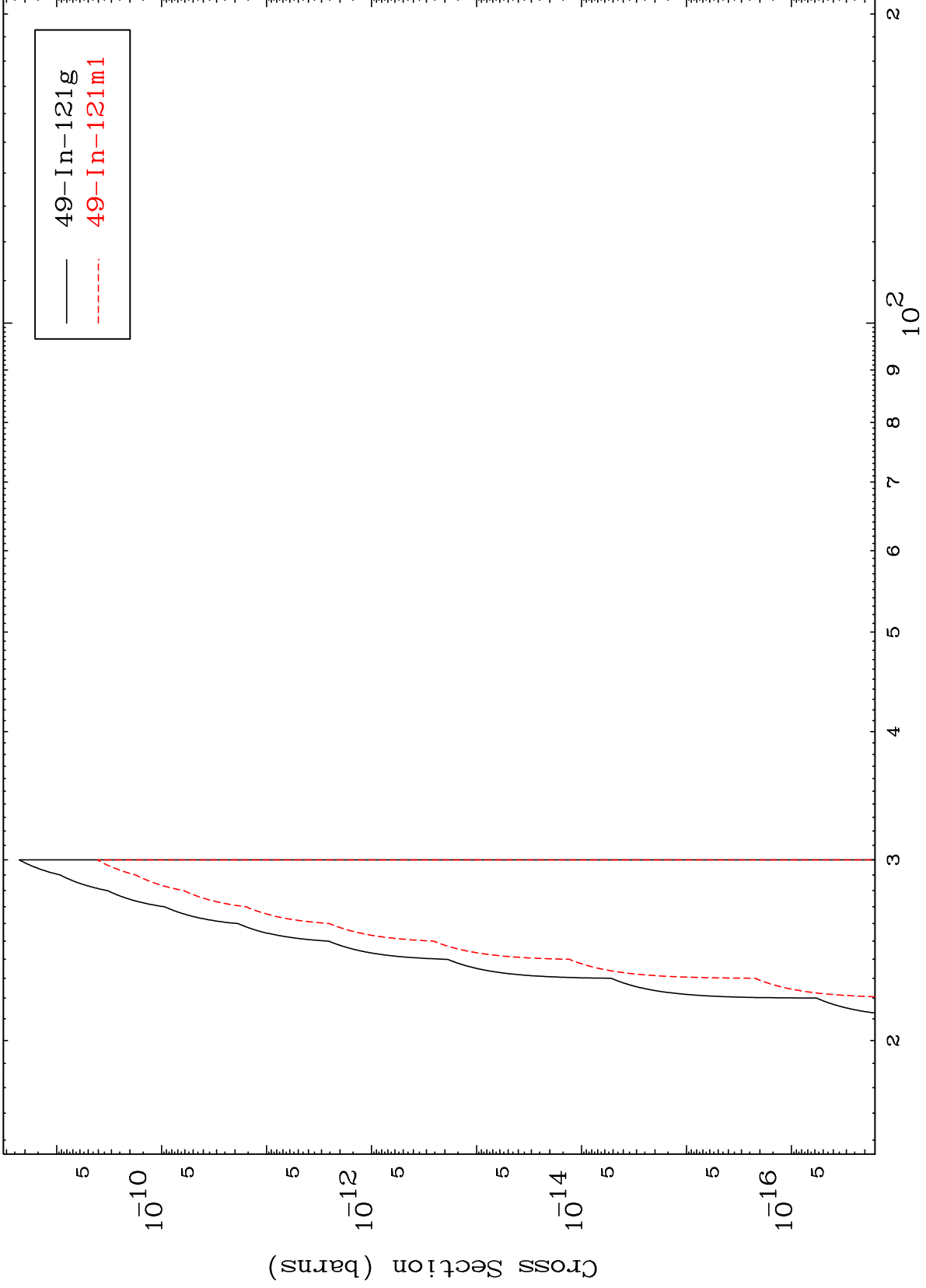


MAT 5135

(n,p) t

51-Sb-124

Radionuclide Production Cross Section



36

Incident Energy (MeV)

51-Sb-124