

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

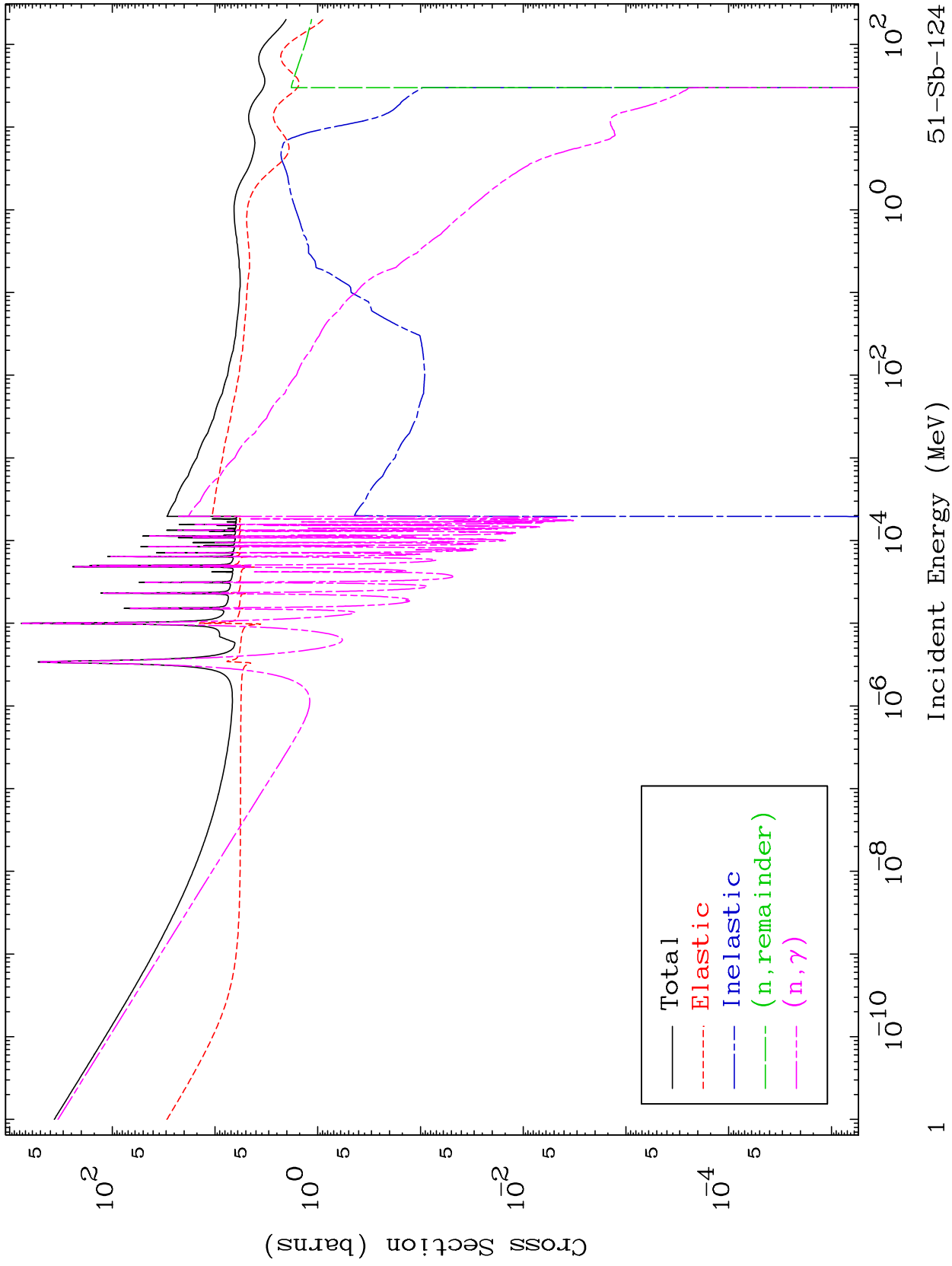
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5135

Major  
293 Kelvin Cross Sections

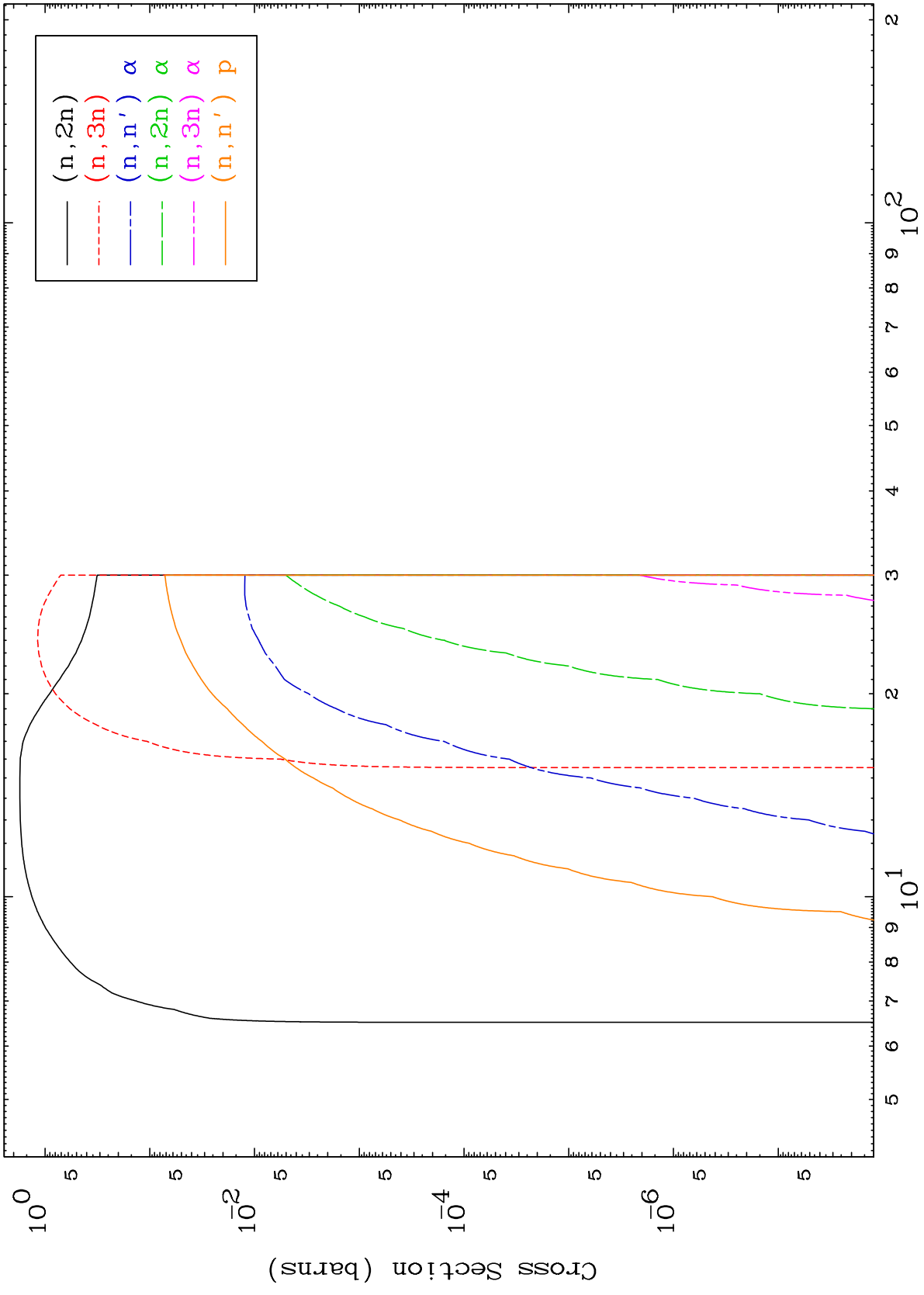
51-Sb-124



MAT 5135

Neutron Production  
293 Kelvin Cross Sections

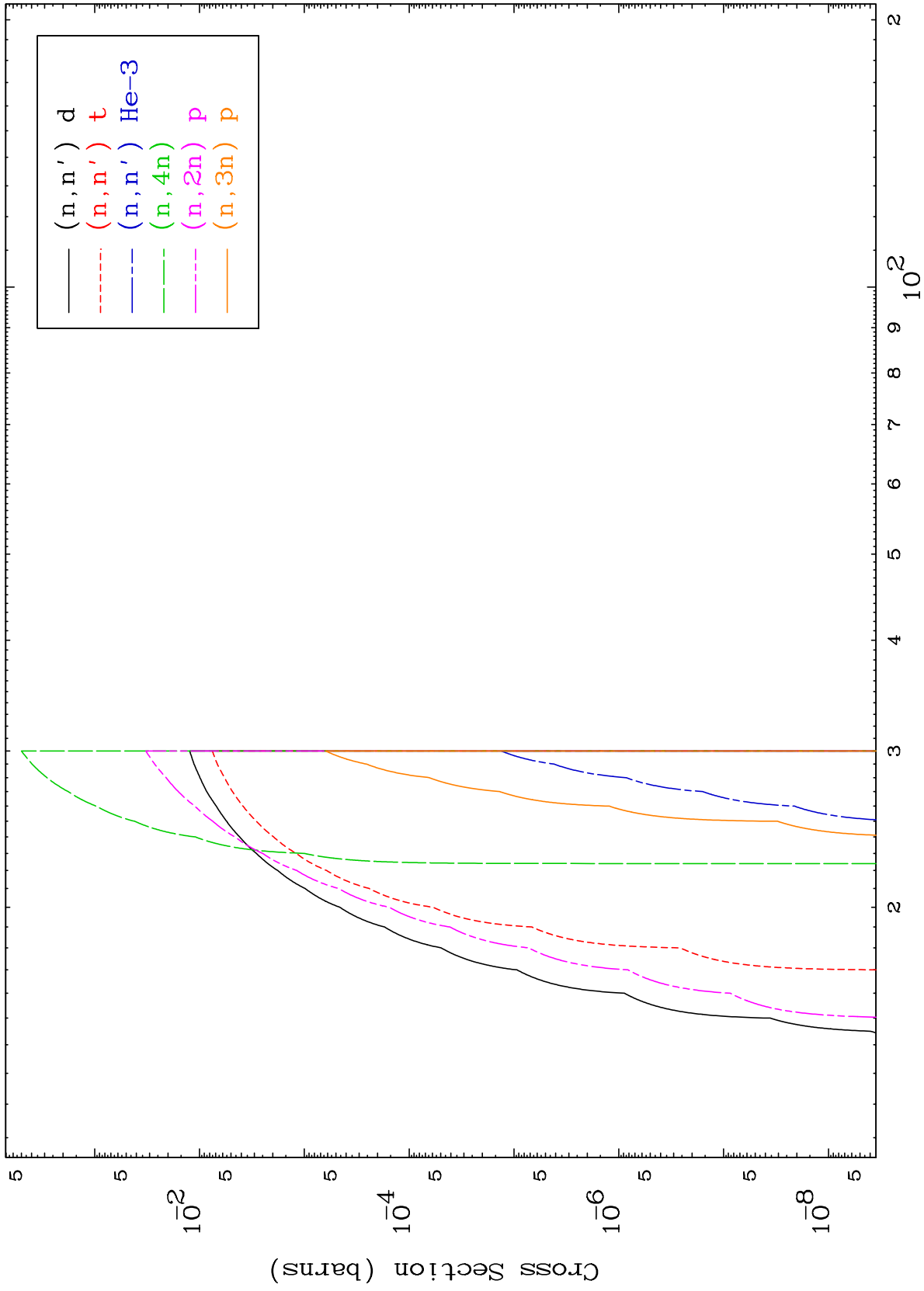
51-Sb-124

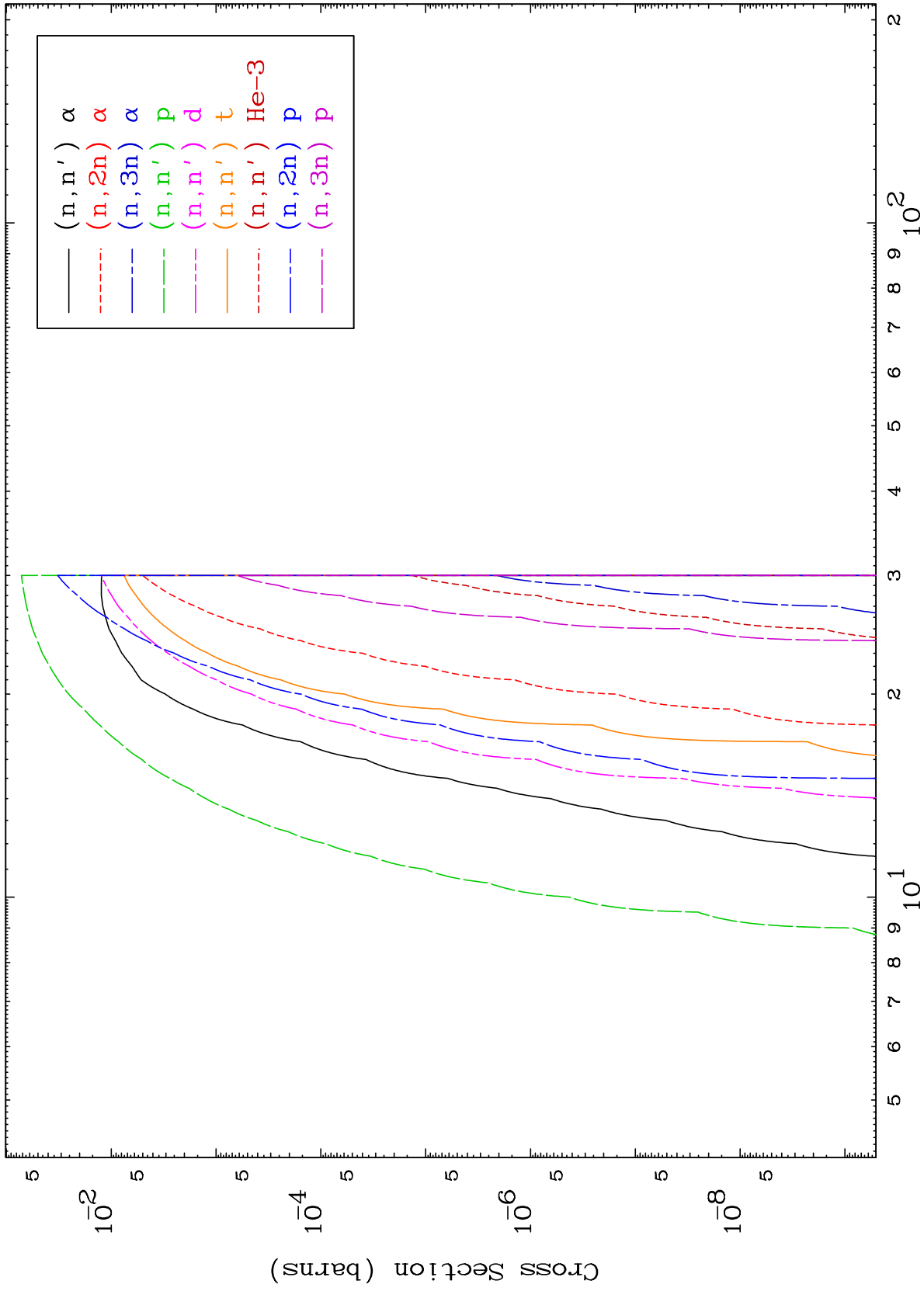


2

Incident Energy (MeV)

51-Sb-124

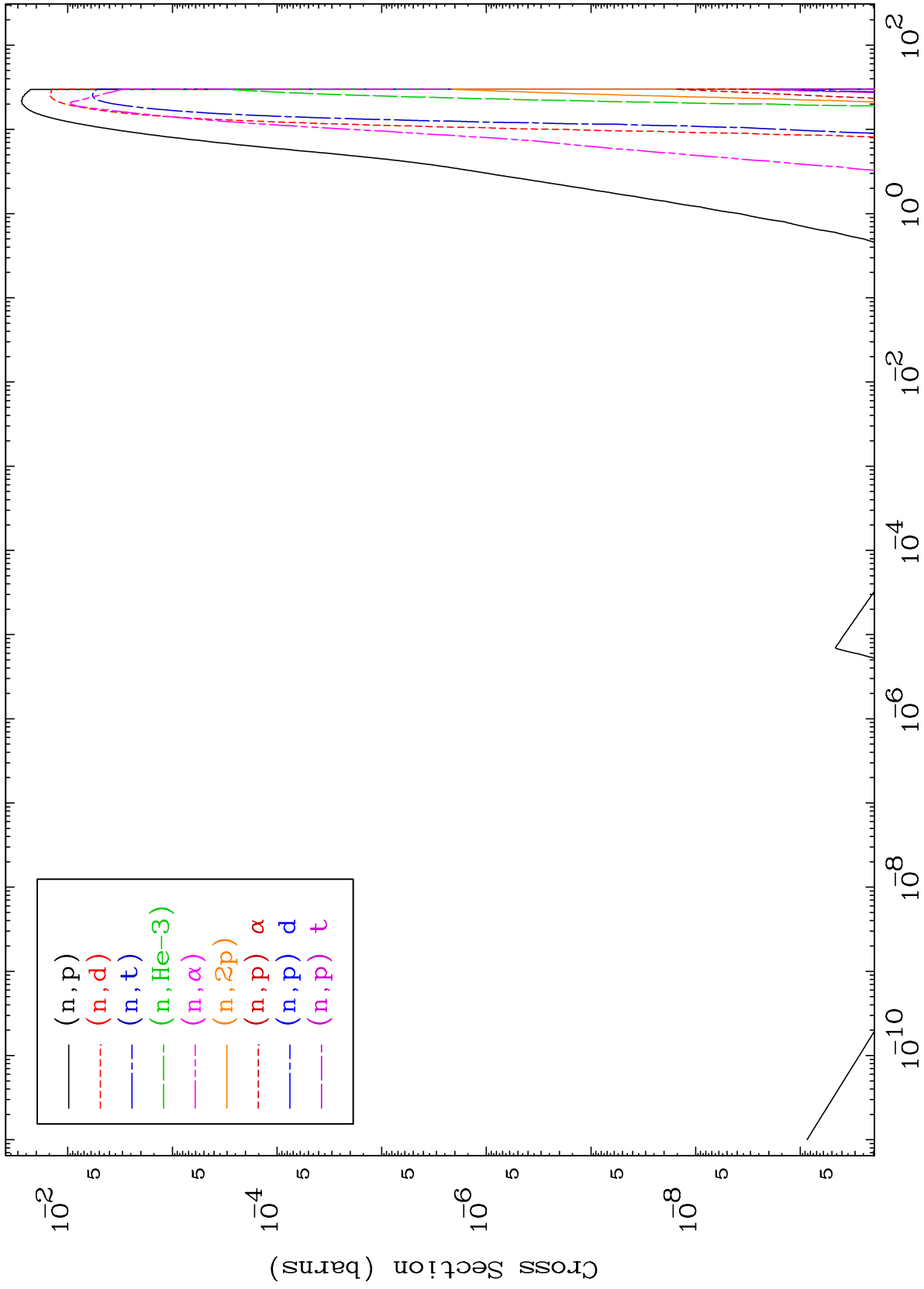




MAT 5135

293 Charged Particle  
Kelvin Cross Sections

51-Sb-124



5

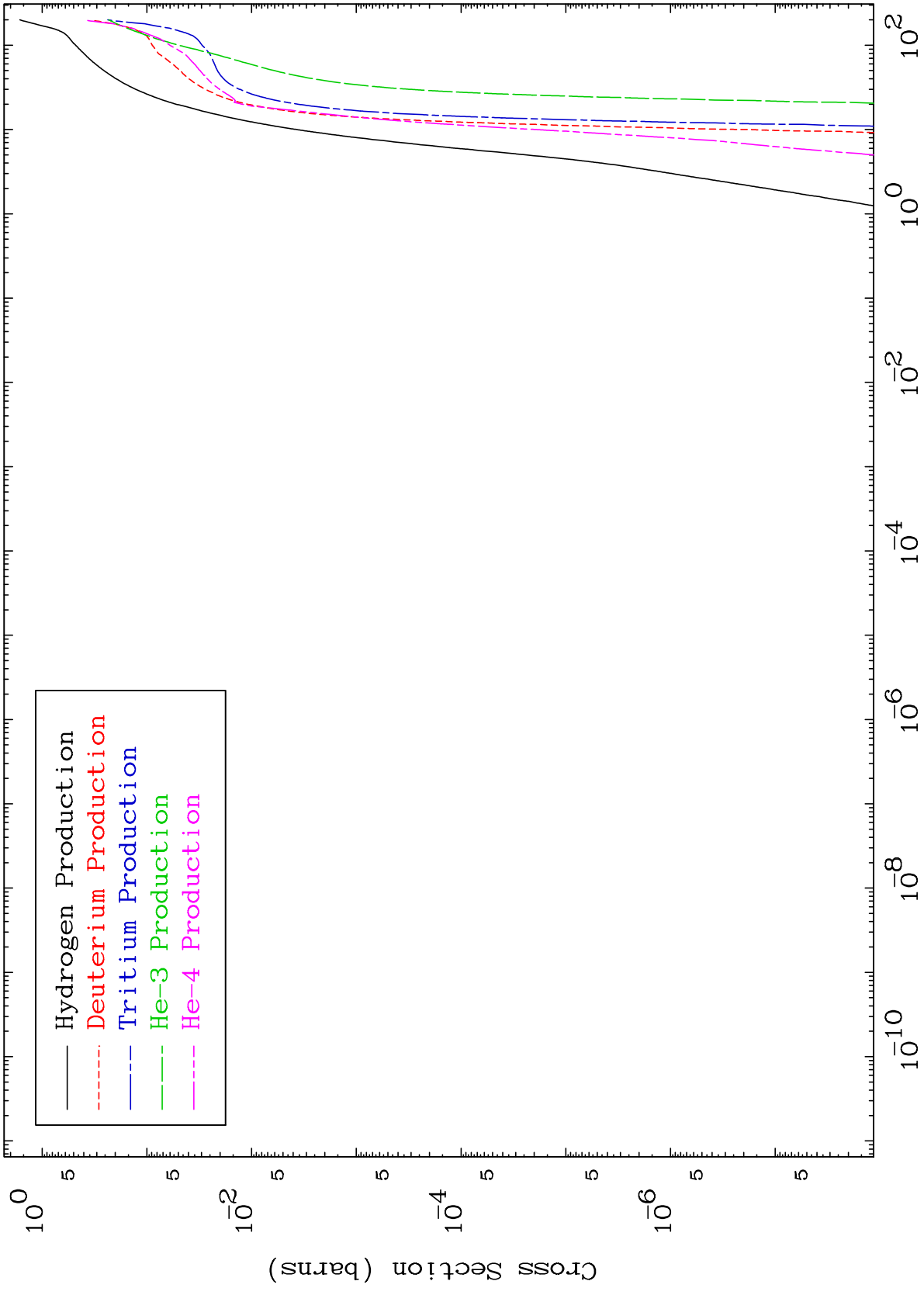
Incident Energy (MeV)

51-Sb-124

MAT 5135

Particle Production  
293 Kelvin Cross Sections

51-Sb-124

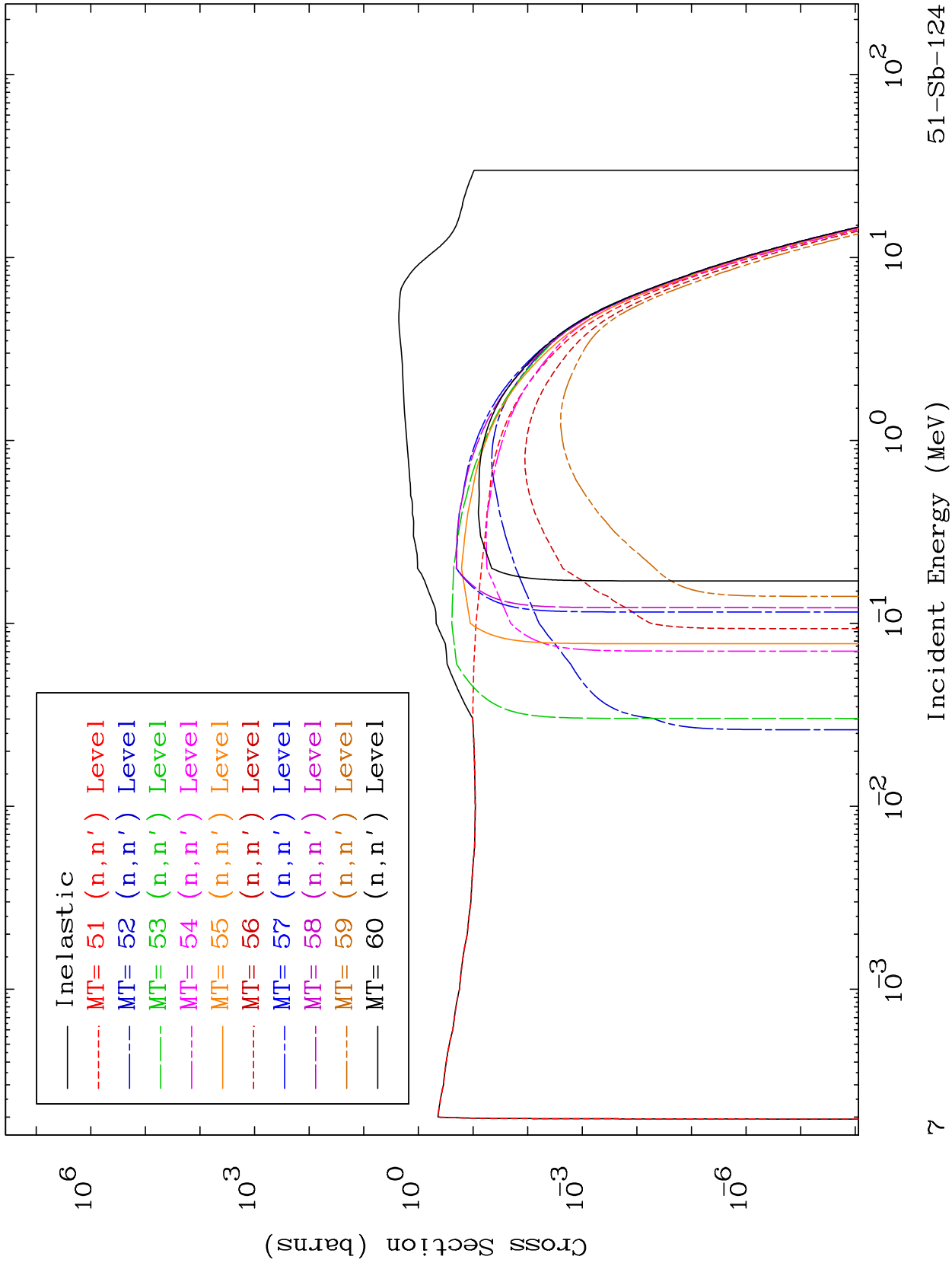


51-Sb-124

MAT 5135

(n,n') Level  
293 Kelvin Cross Sections

51-Sb-124



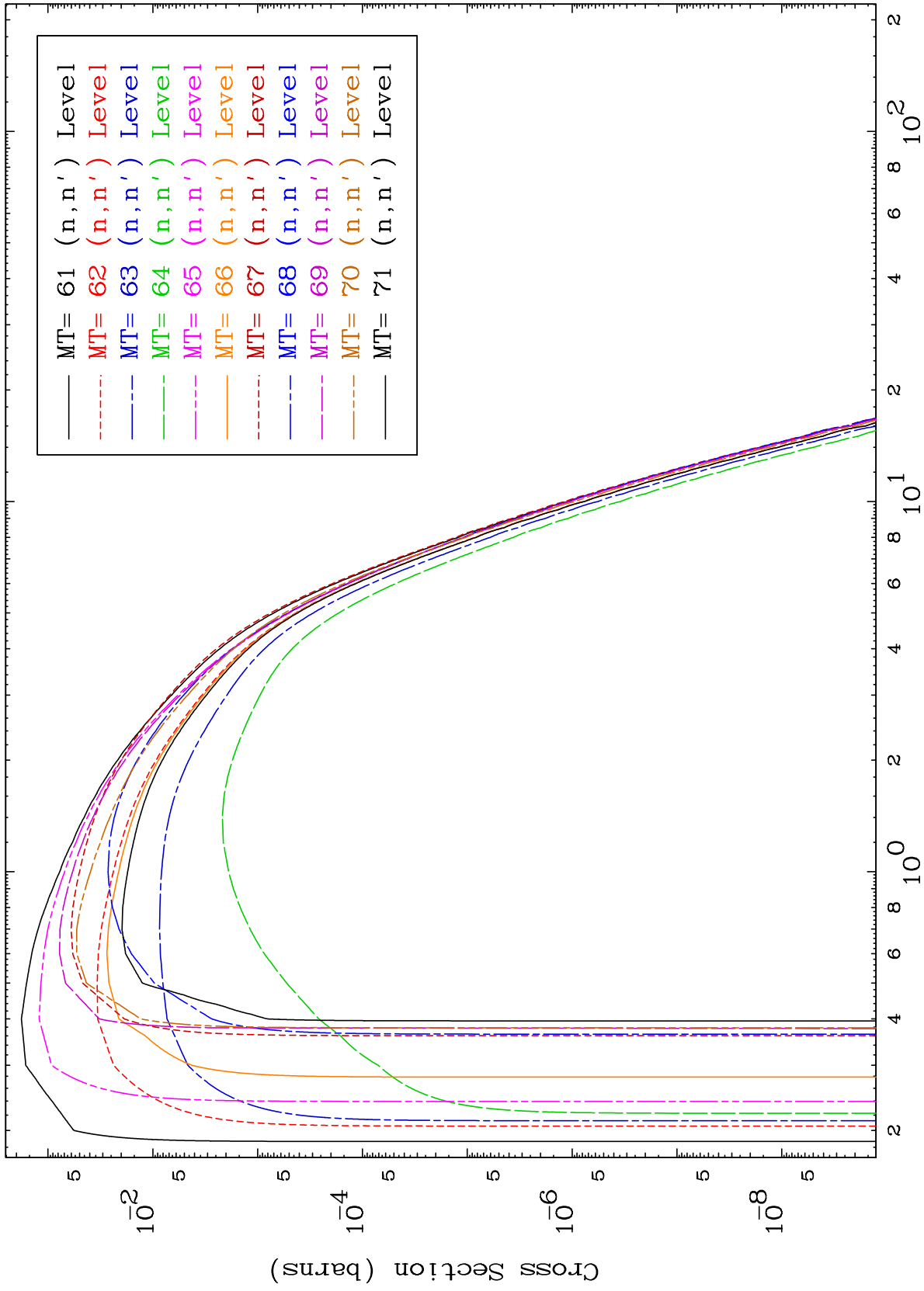


MAT 5135

(n,n') Level

51-Sb-124

293 Kelvin Cross Sections



8

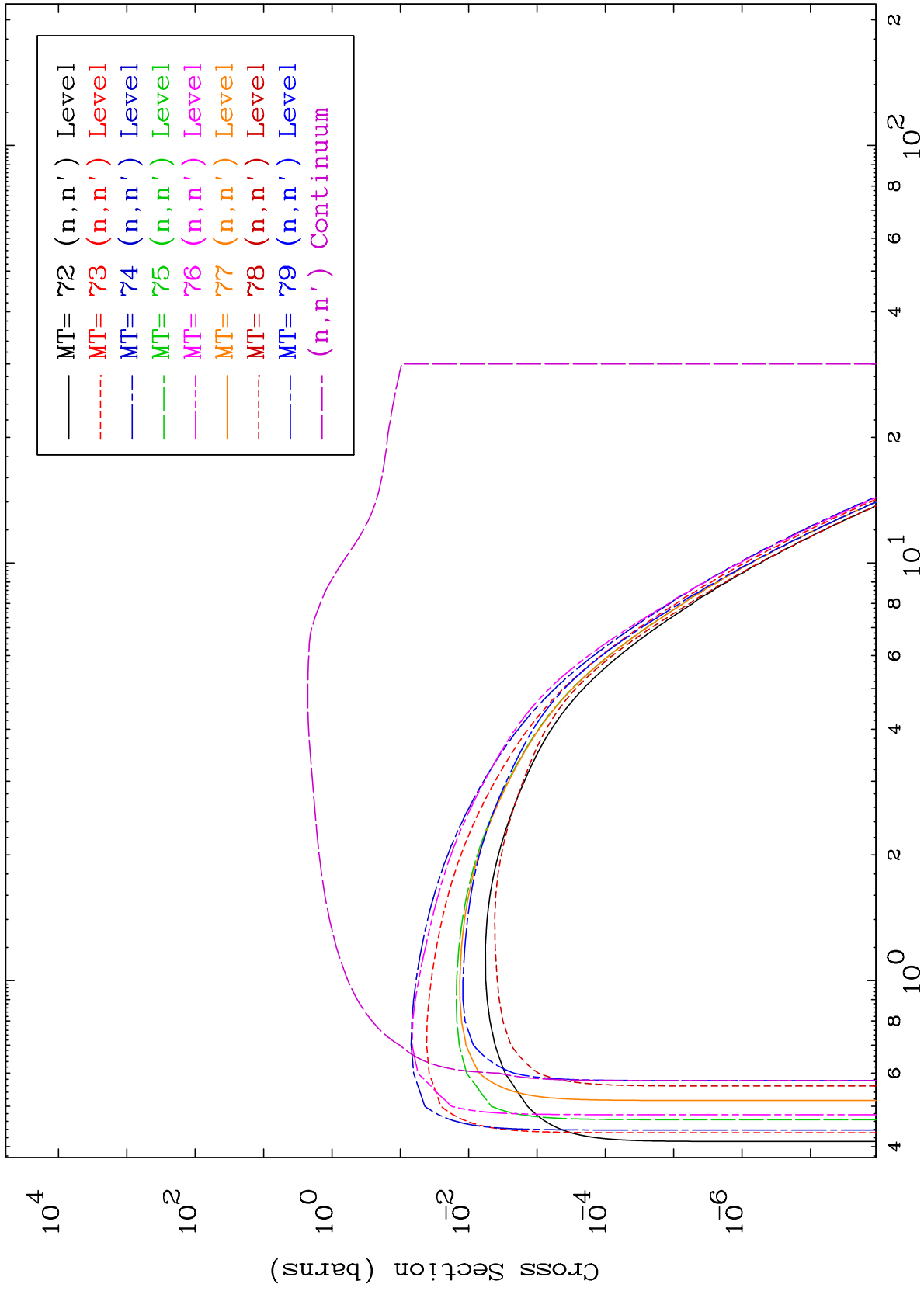
Incident Energy (MeV)

51-Sb-124

MAT 5135

(n,n') Level  
293 Kelvin Cross Sections

51-Sb-124



9

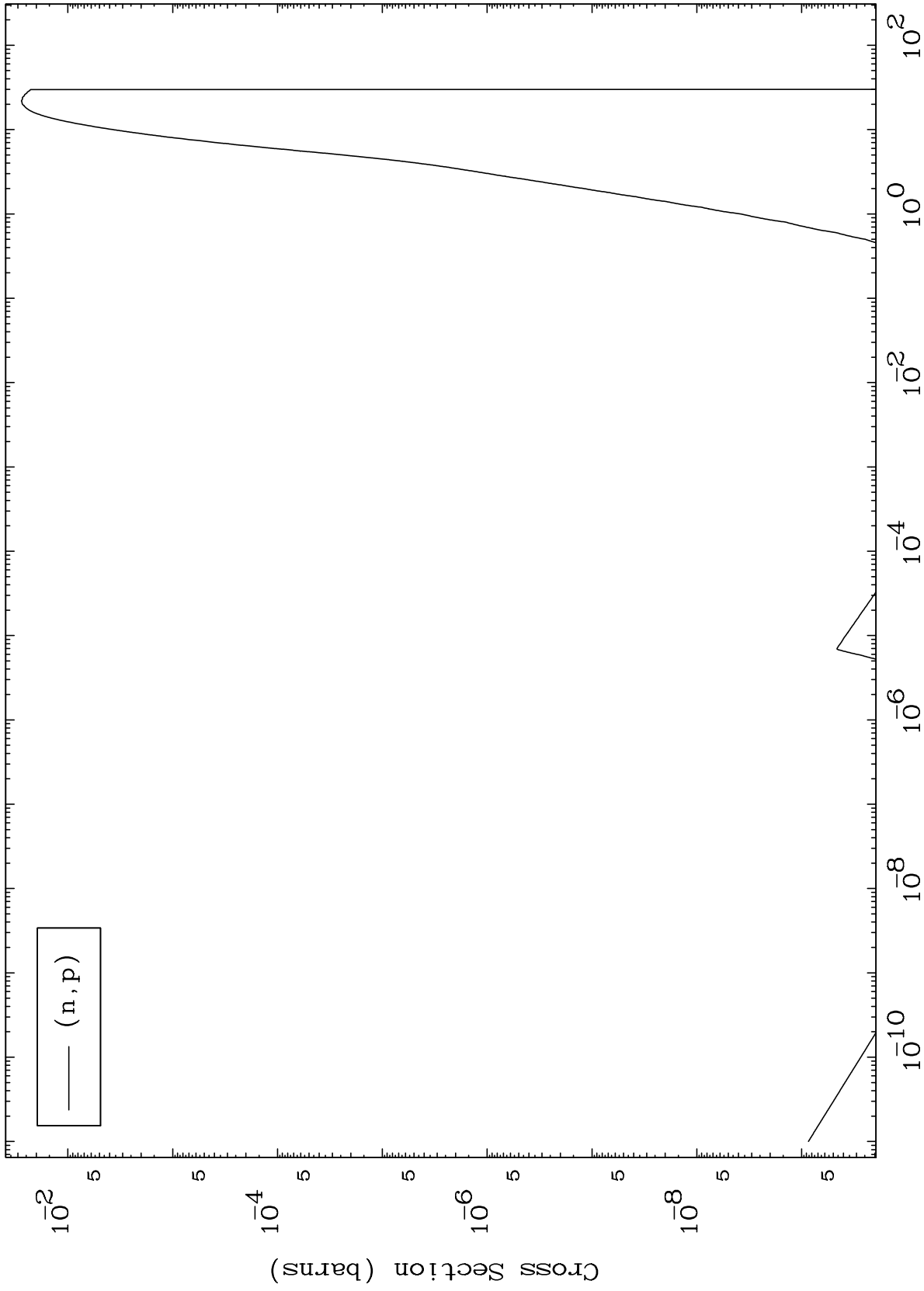
Incident Energy (MeV)

51-Sb-124

MAT 5135

(n,p) Levels  
293 Kelvin Cross Sections

51-Sb-124



10

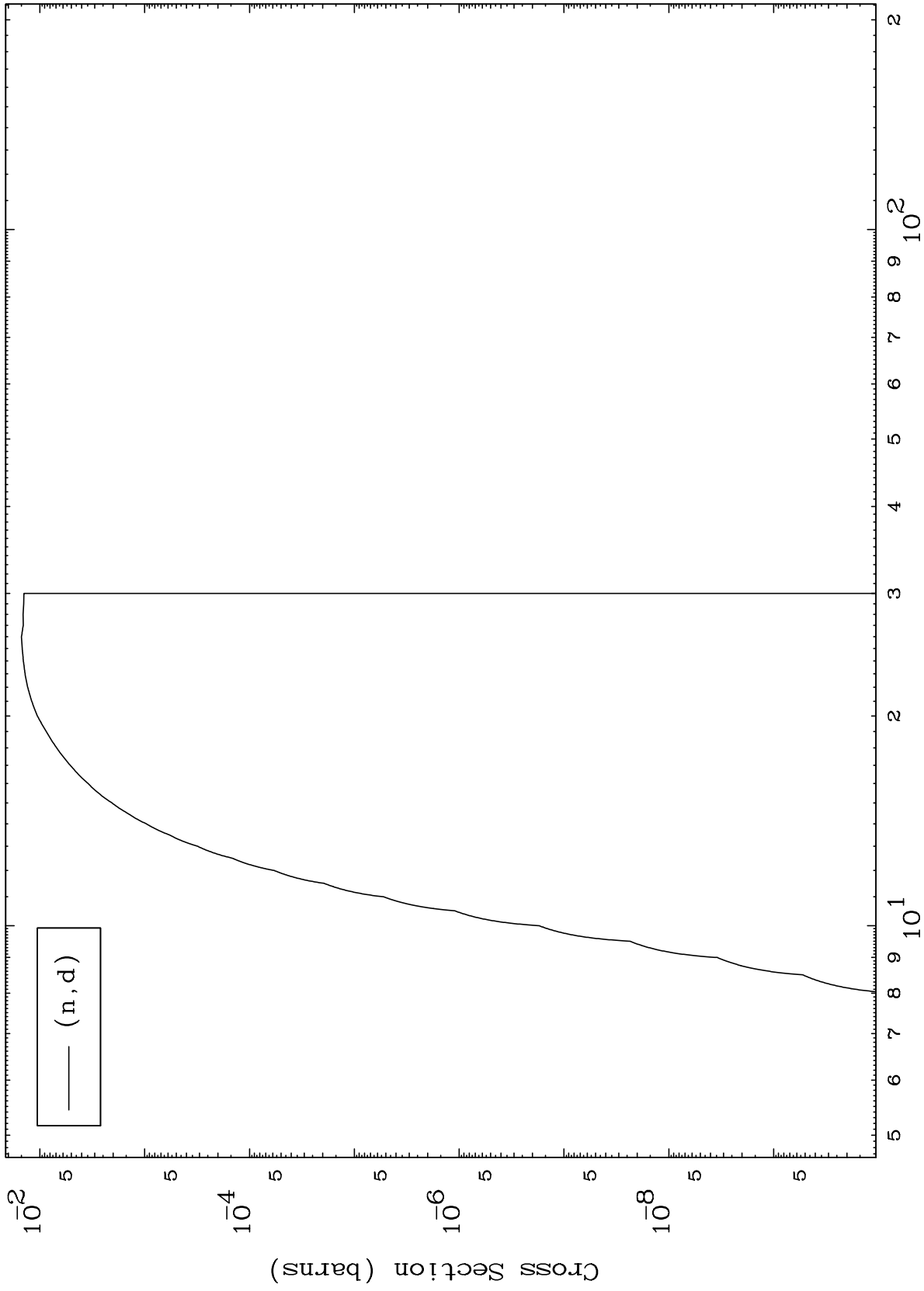
Incident Energy (MeV)

51-Sb-124

MAT 5135

(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-124



11

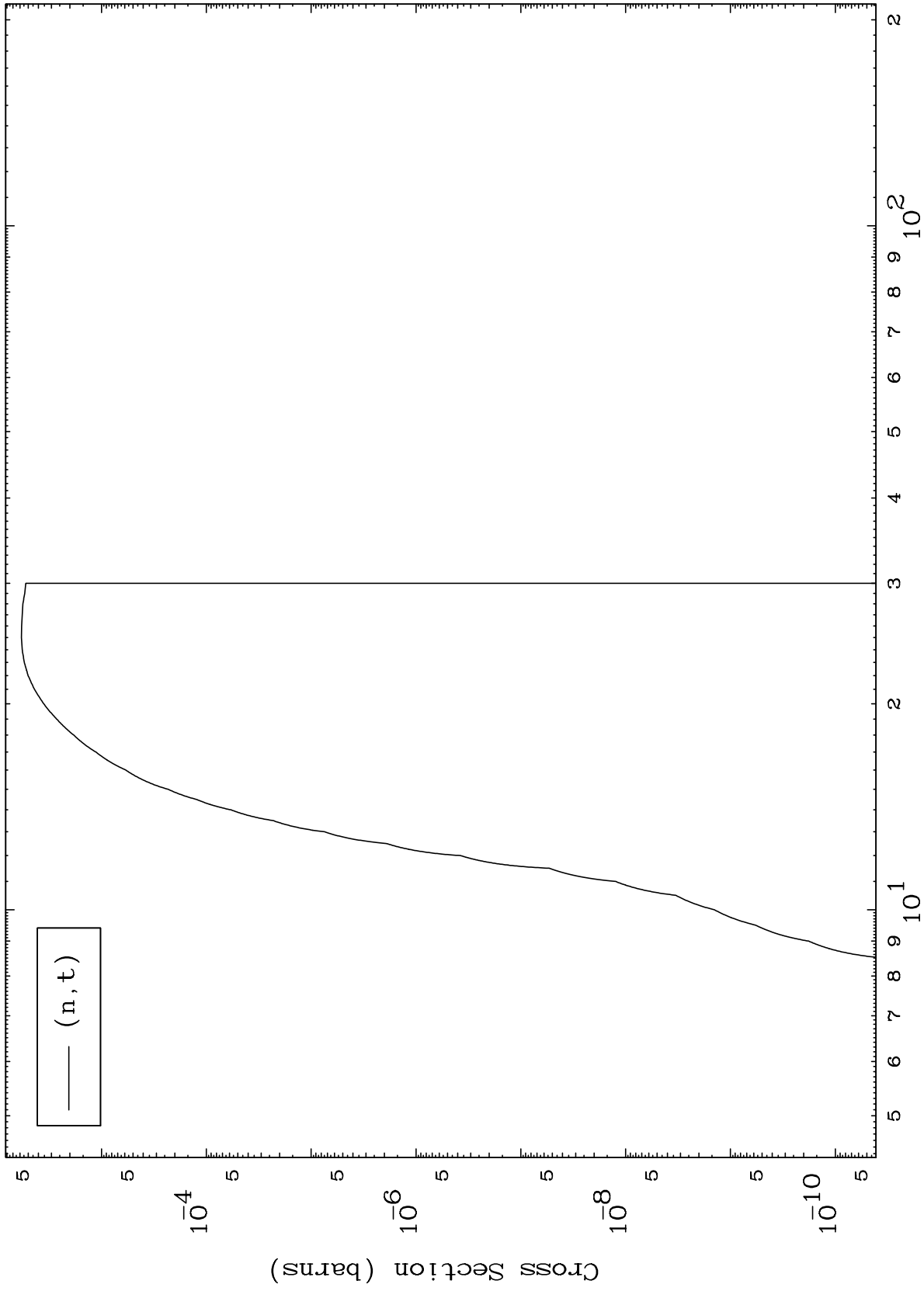
Incident Energy (MeV)

51-Sb-124

MAT 5135

(n,t) Levels  
293 Kelvin Cross Sections

51-Sb-124



12

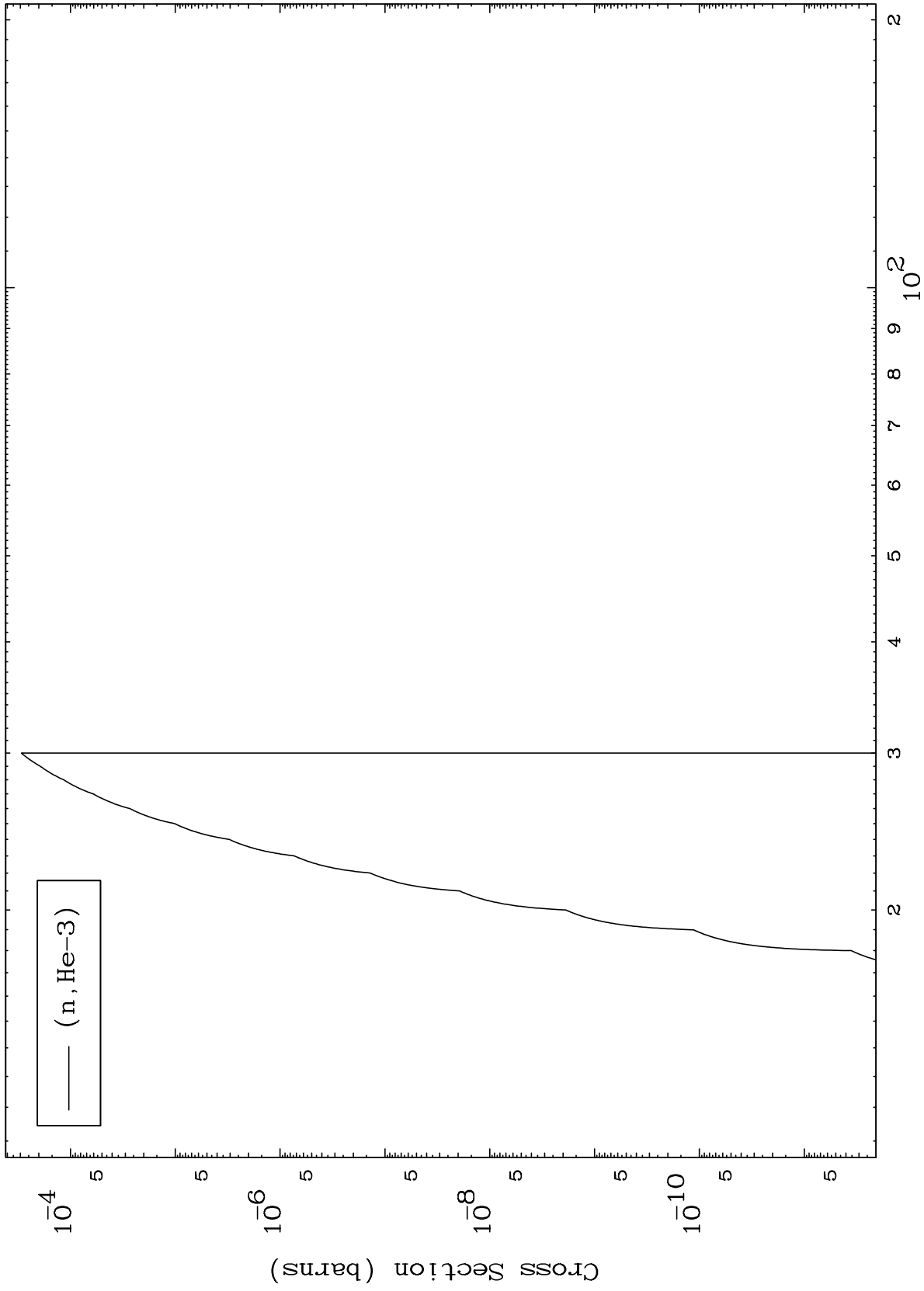
Incident Energy (MeV)

51-Sb-124

MAT 5135

(n,He3) Levels  
293 Kelvin Cross Sections

51-Sb-124



13

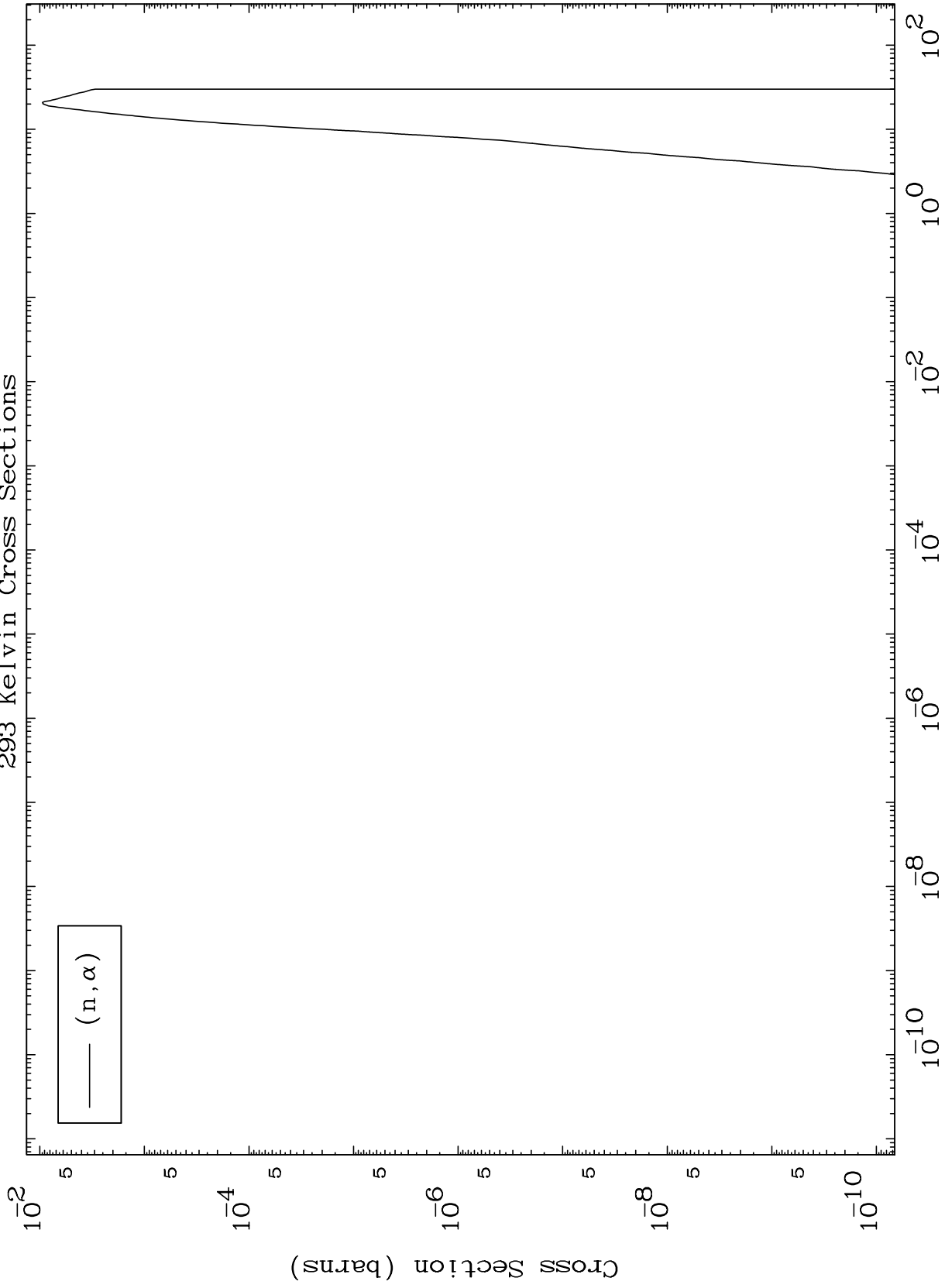
Incident Energy (MeV)

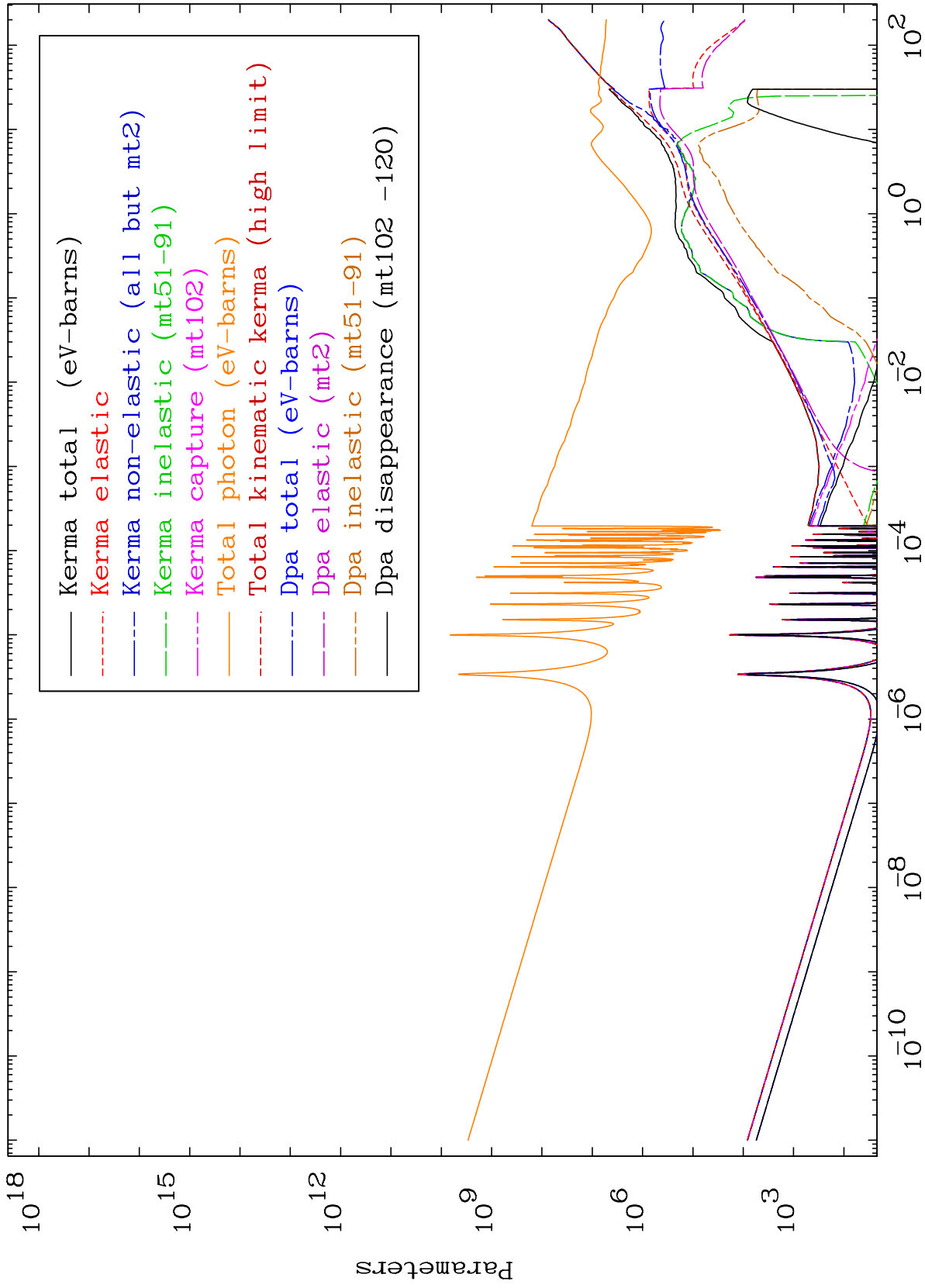
51-Sb-124

MAT 5135

(n,α) Levels  
293 Kelvin Cross Sections

51-Sb-124





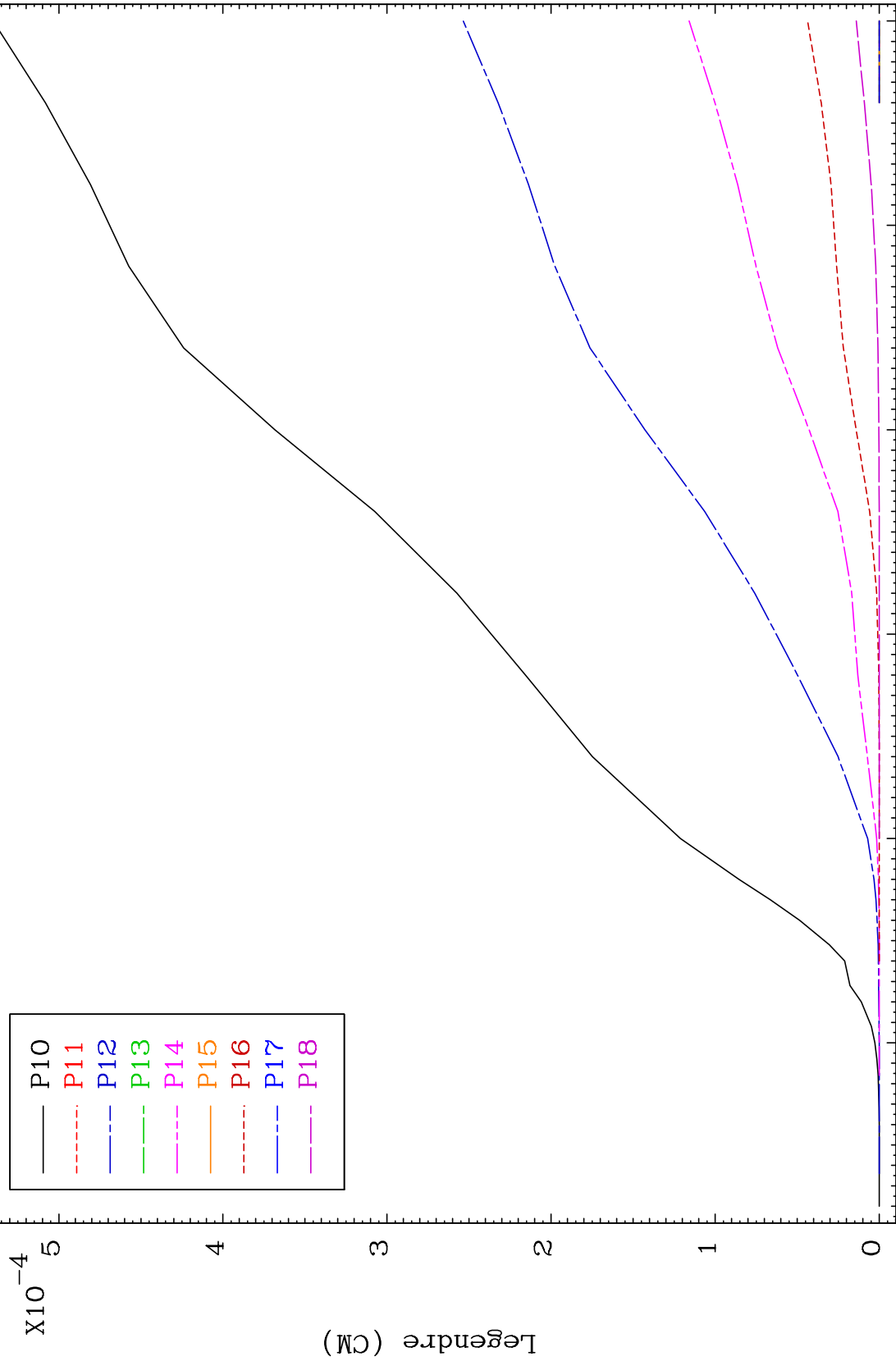
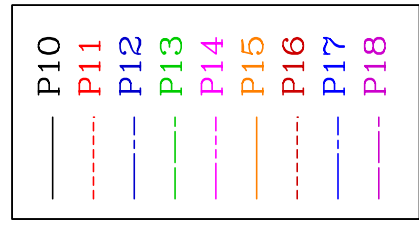




MAT 5135

Elastic Legendre Coefficients

51-Sb-124



17

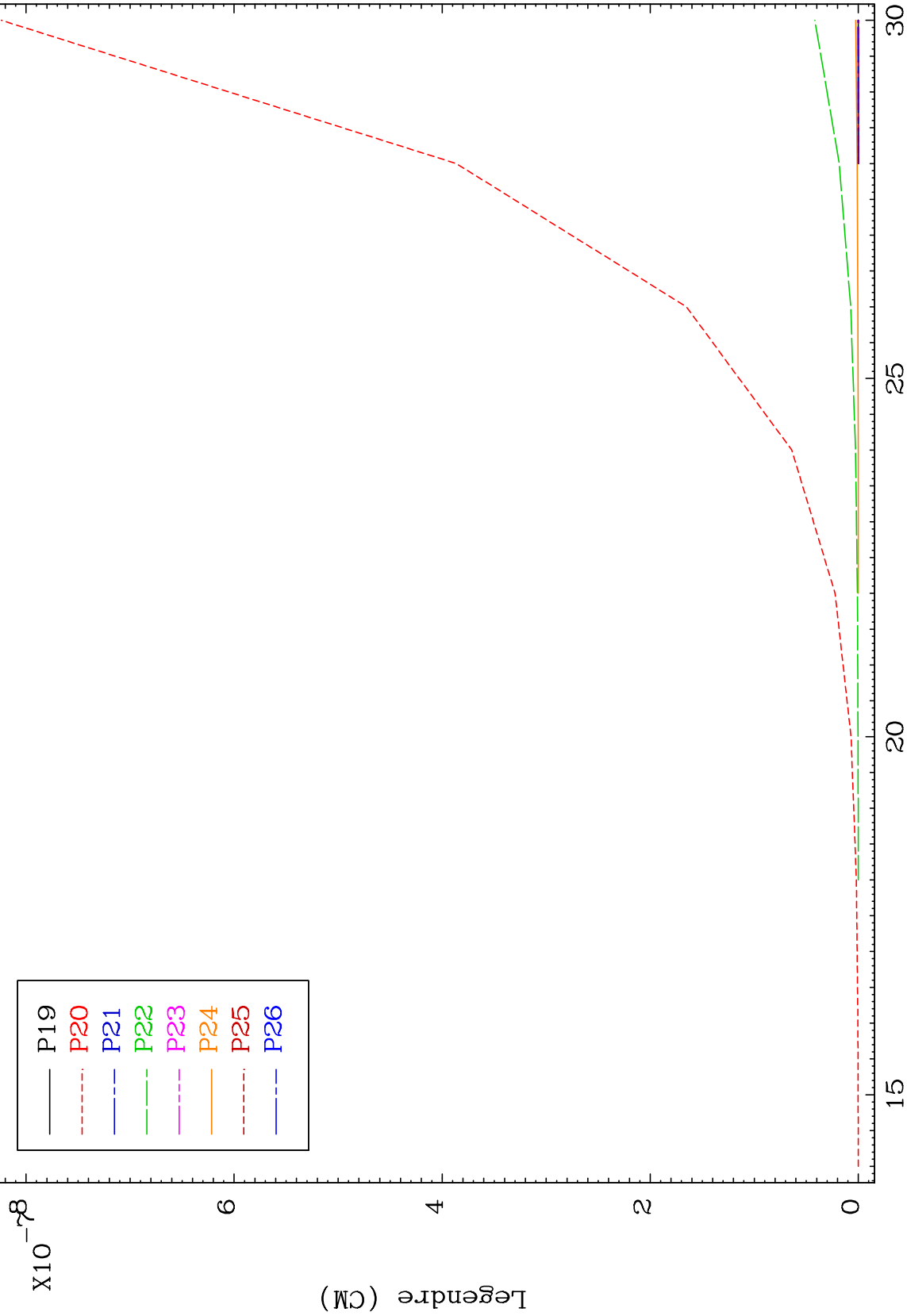
Incident Energy (MeV)

51-Sb-124

MAT 5135

Elastic Legendre Coefficients

51-Sb-124



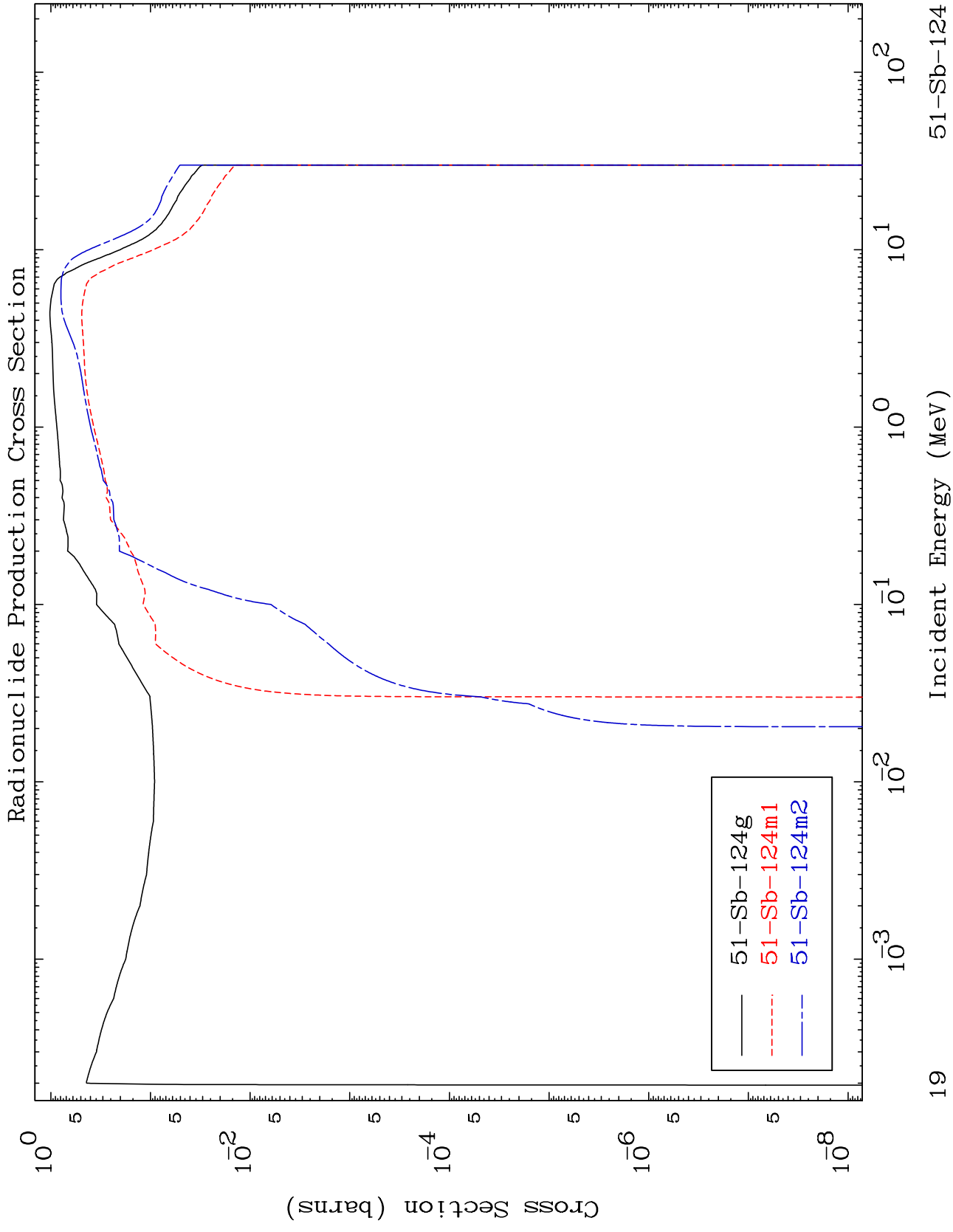
18

Incident Energy (MeV)

51-Sb-124

MAT 5135

51-Sb-124

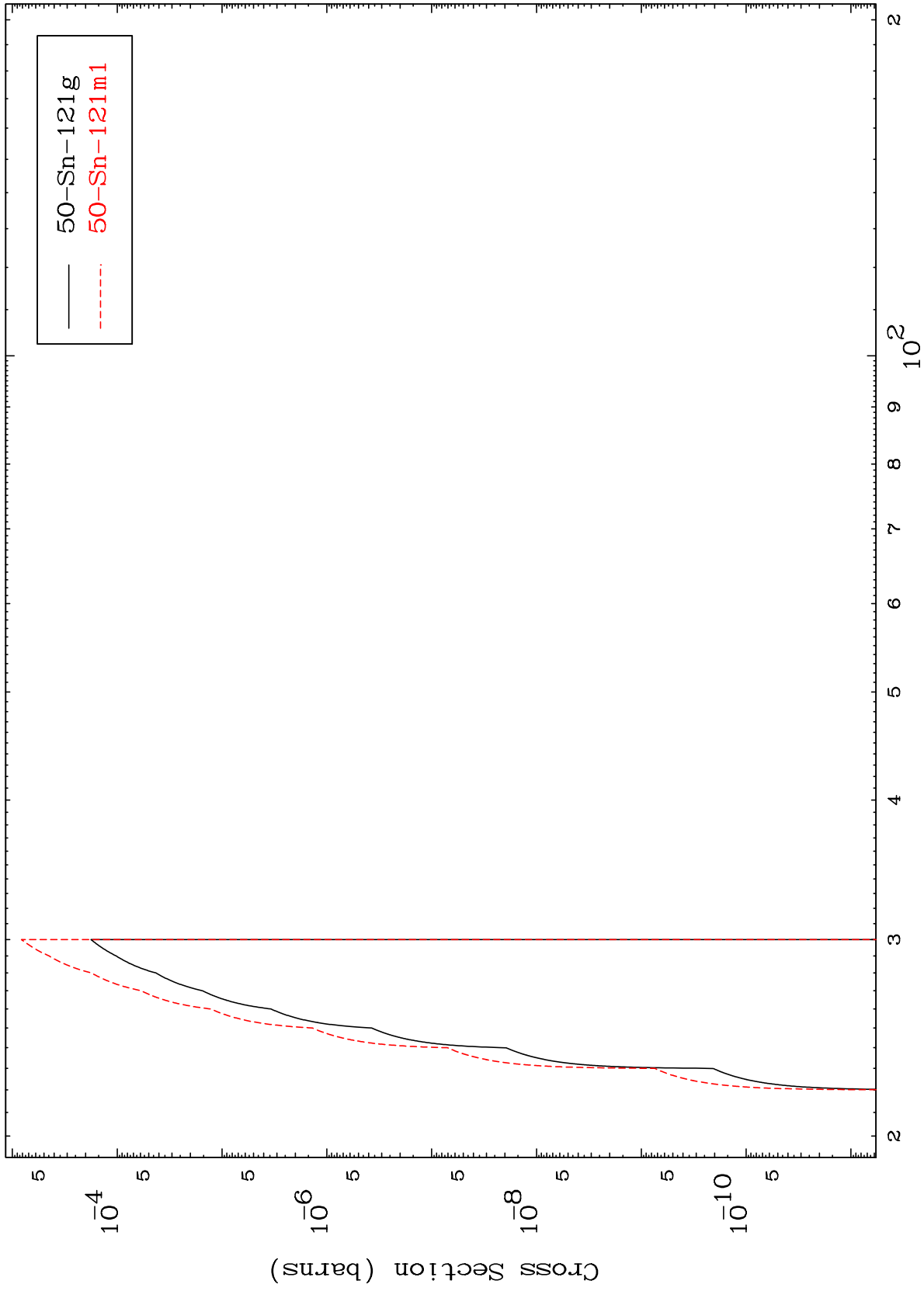


MAT 5135

(n,2n) d

51-Sb-124

Radionuclide Production Cross Section



20

Incident Energy (MeV)

$10^2$

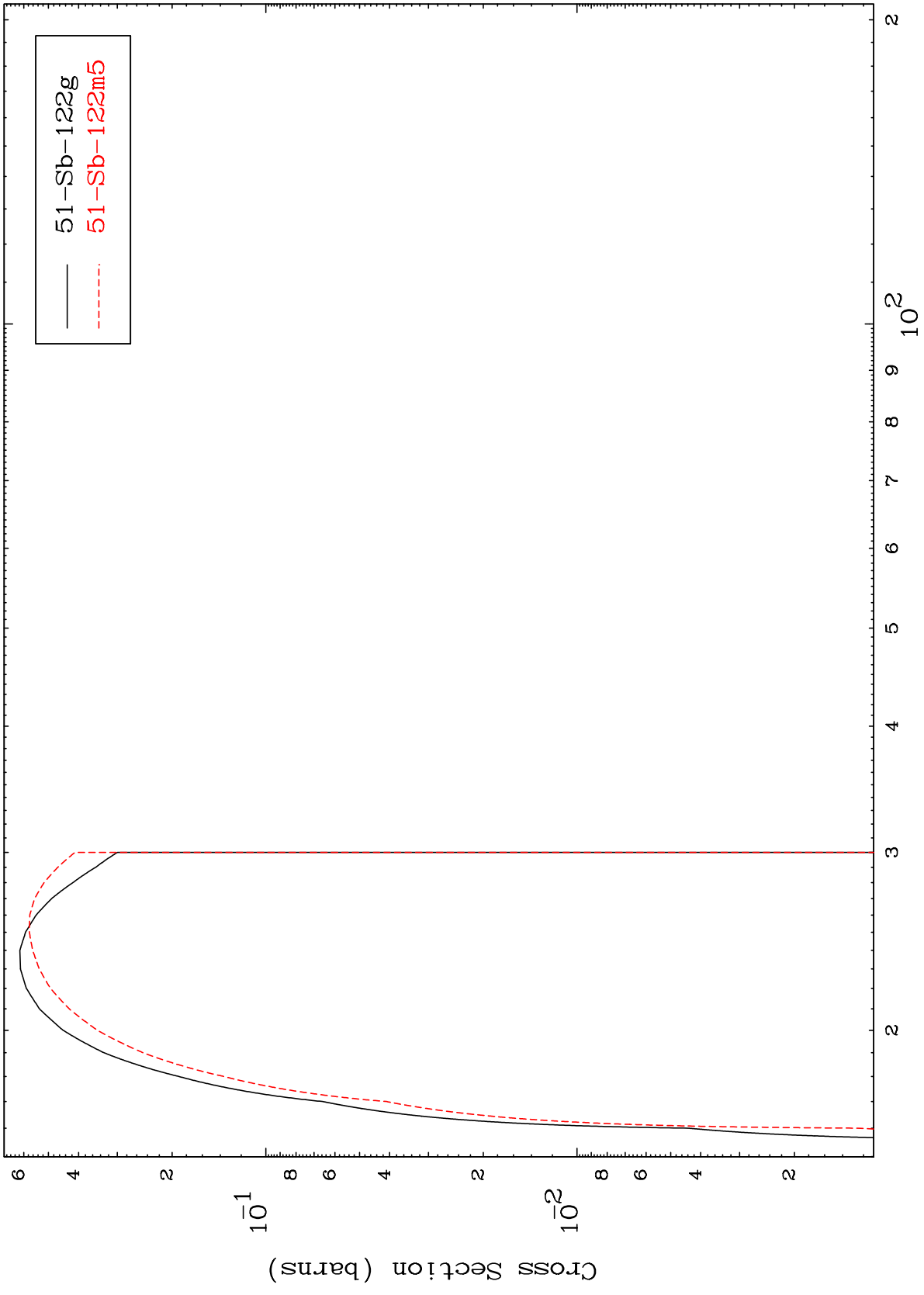
51-Sb-124

MAT 5135

(n,3n)

51-Sb-124

Radionuclide Production Cross Section



21

Incident Energy (MeV)

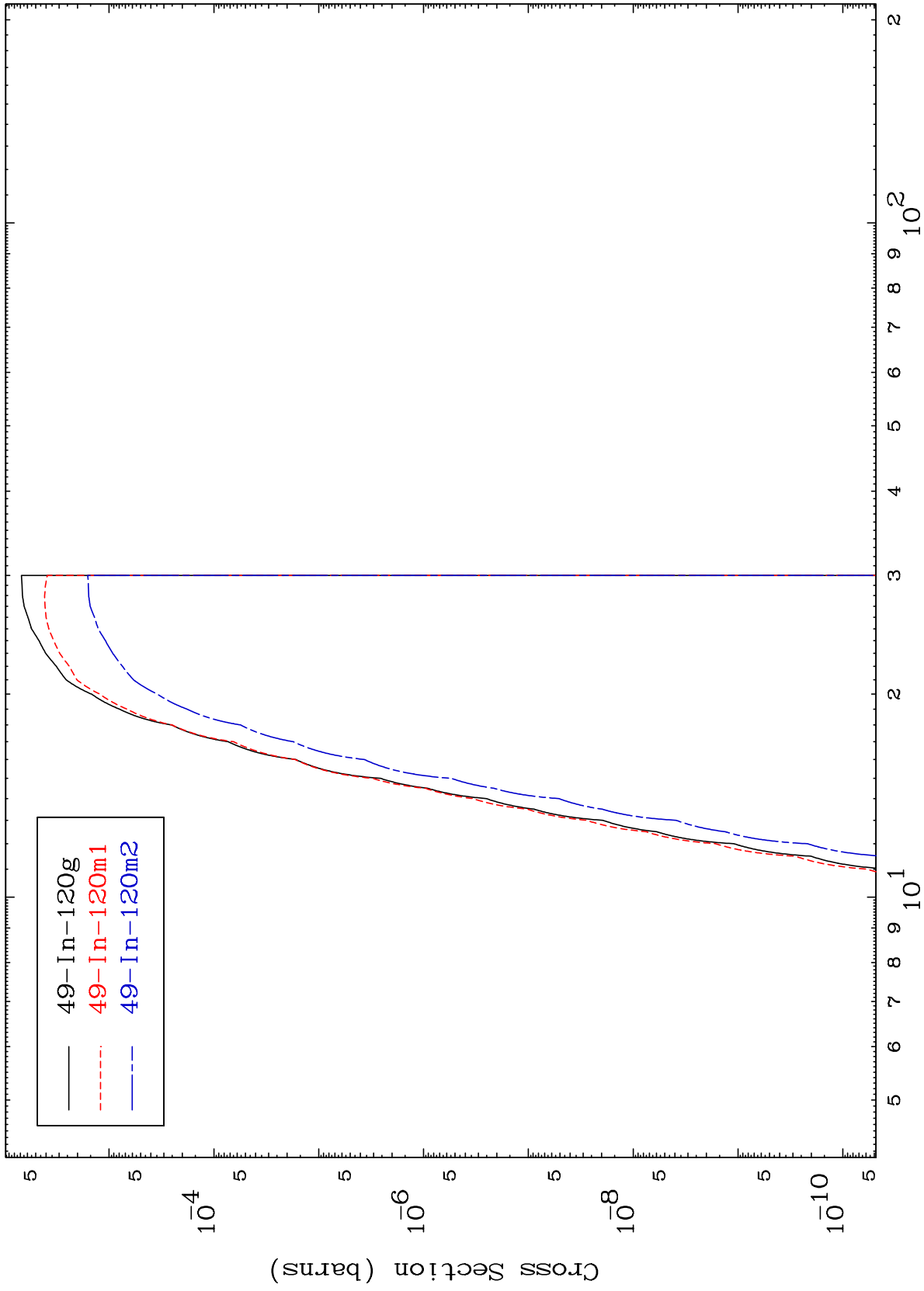
51-Sb-124

MAT 5135

(n,n')  $\alpha$

51-Sb-124

Radionuclide Production Cross Section



22

Incident Energy (MeV)

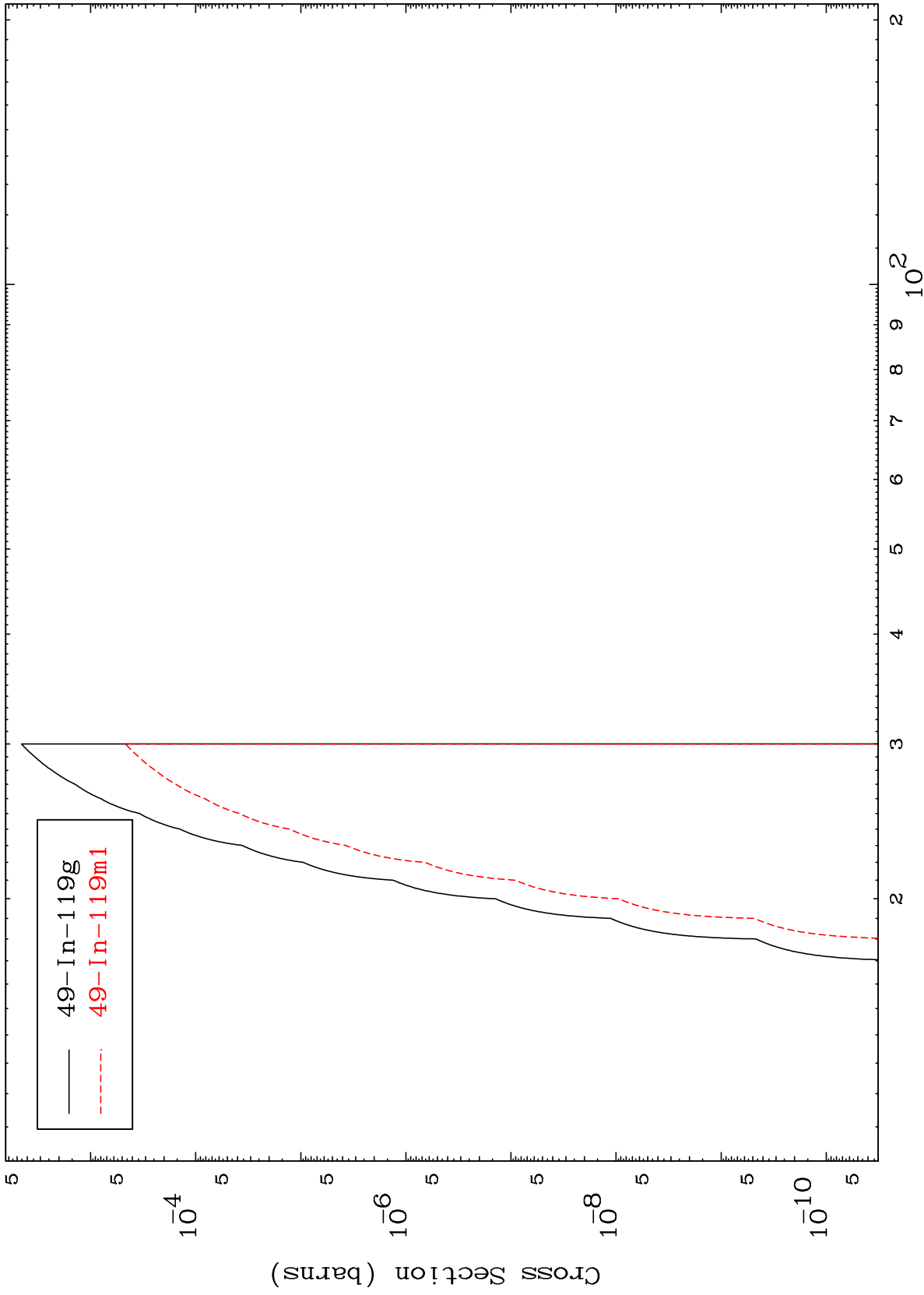
51-Sb-124

MAT 5135

(n,2n)  $\alpha$

51-Sb-124

Radionuclide Production Cross Section



23

Incident Energy (MeV)

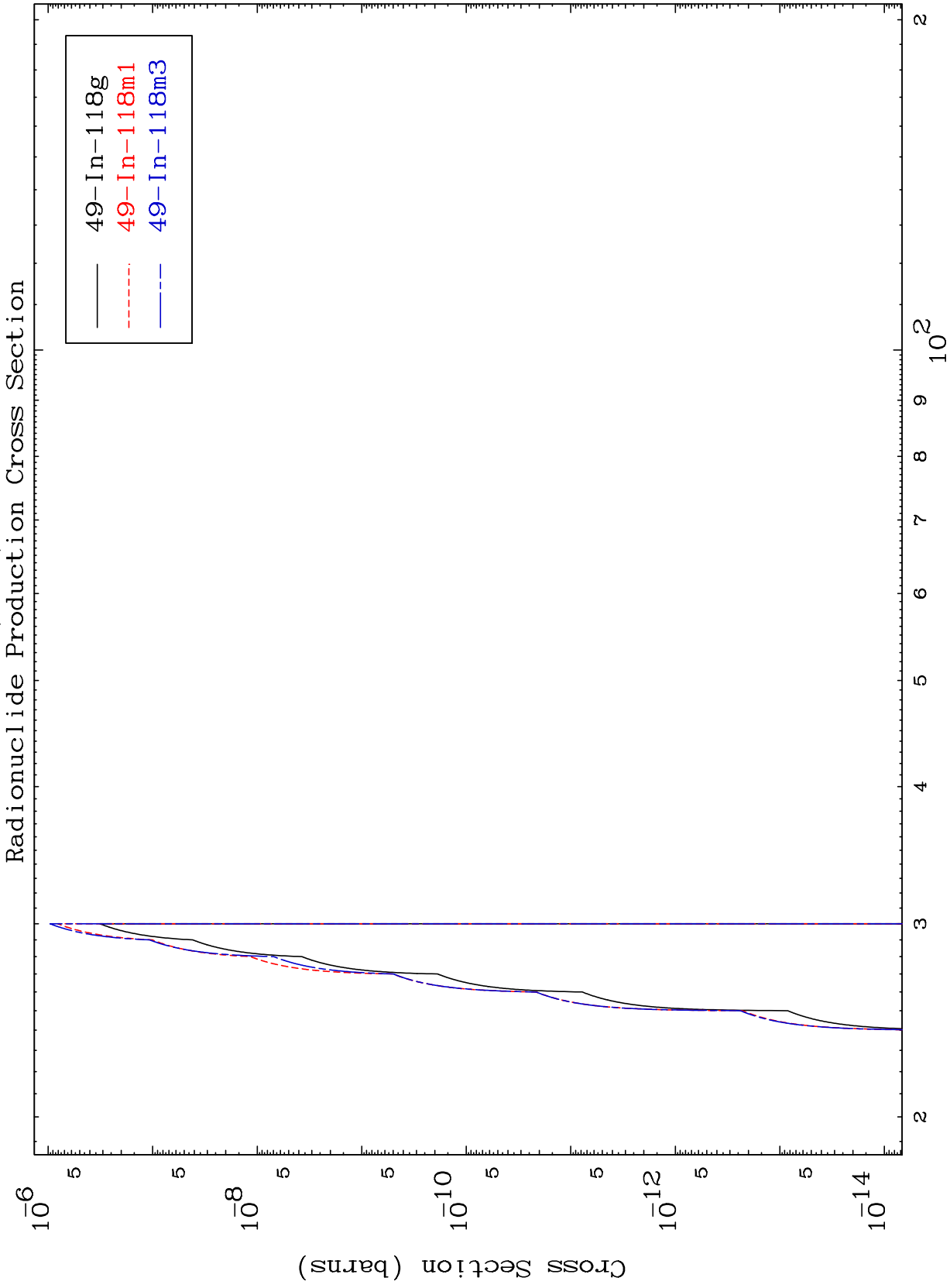
51-Sb-124



MAT 5135

(n,3n)  $\alpha$

51-Sb-124



24

Incident Energy (MeV)

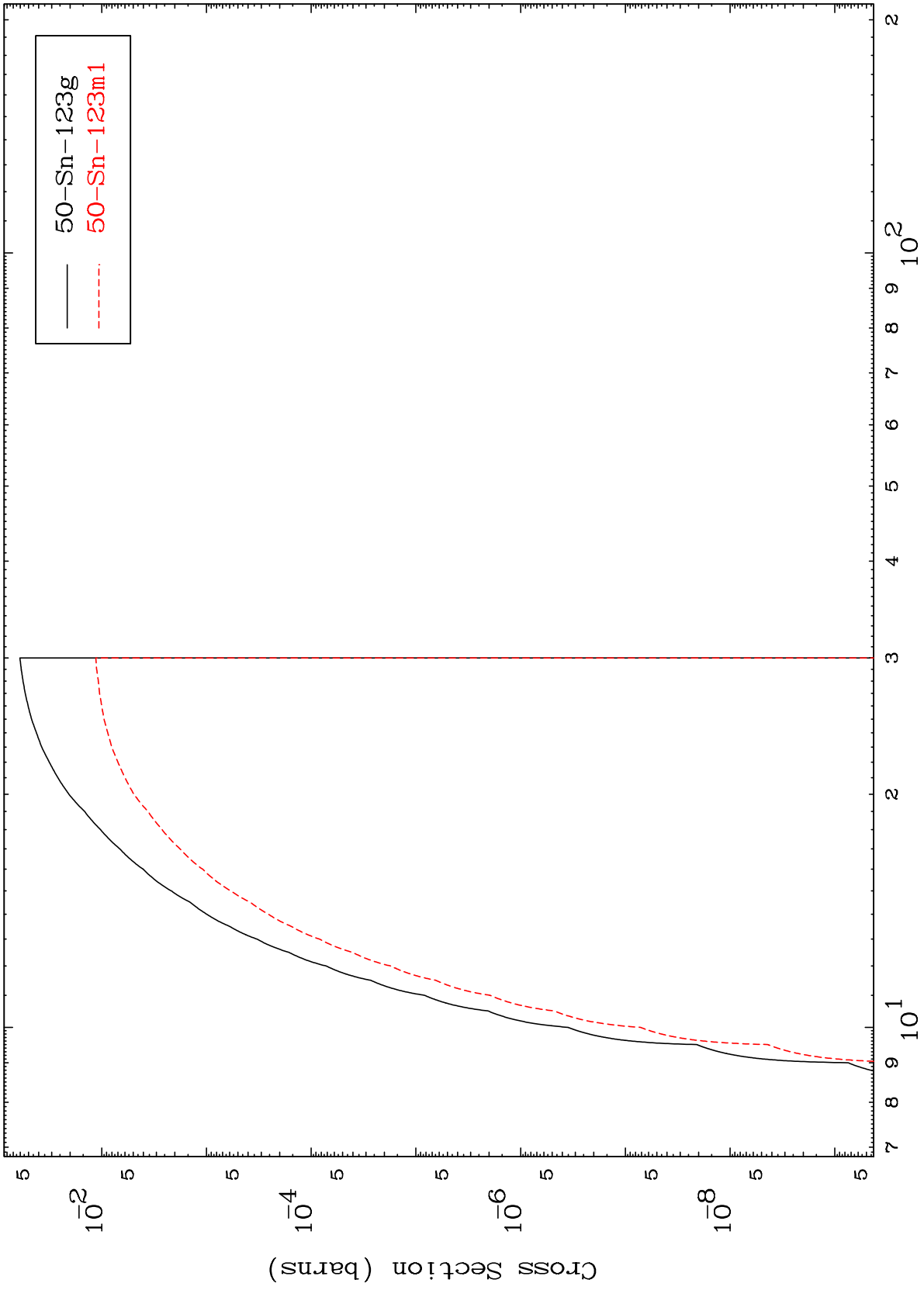
51-Sb-124

MAT 5135

(n,n') p

51-Sb-124

Radionuclide Production Cross Section



25

Incident Energy (MeV)

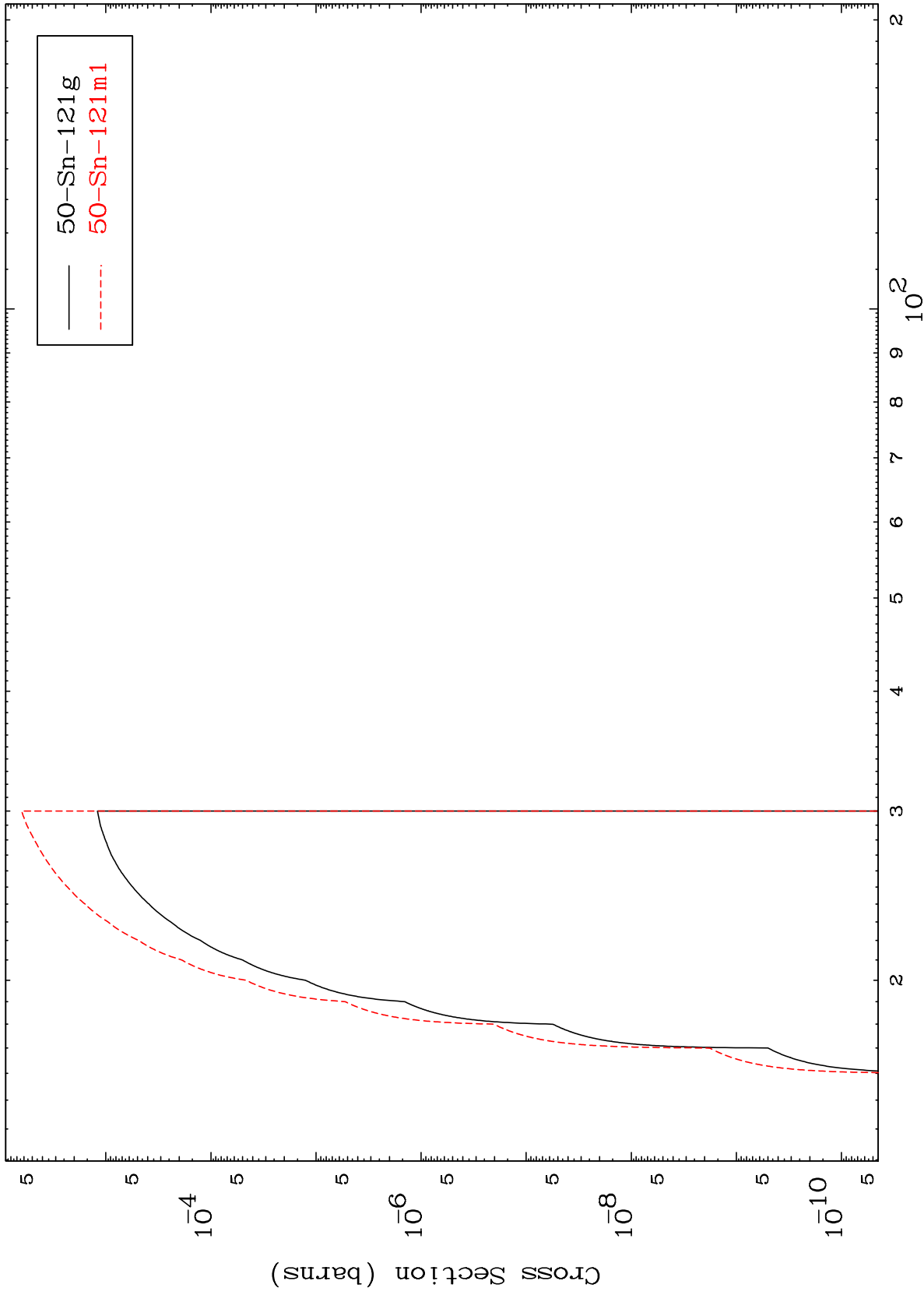
51-Sb-124

MAT 5135

(n,n') t

51-Sb-124

Radionuclide Production Cross Section



26

Incident Energy (MeV)

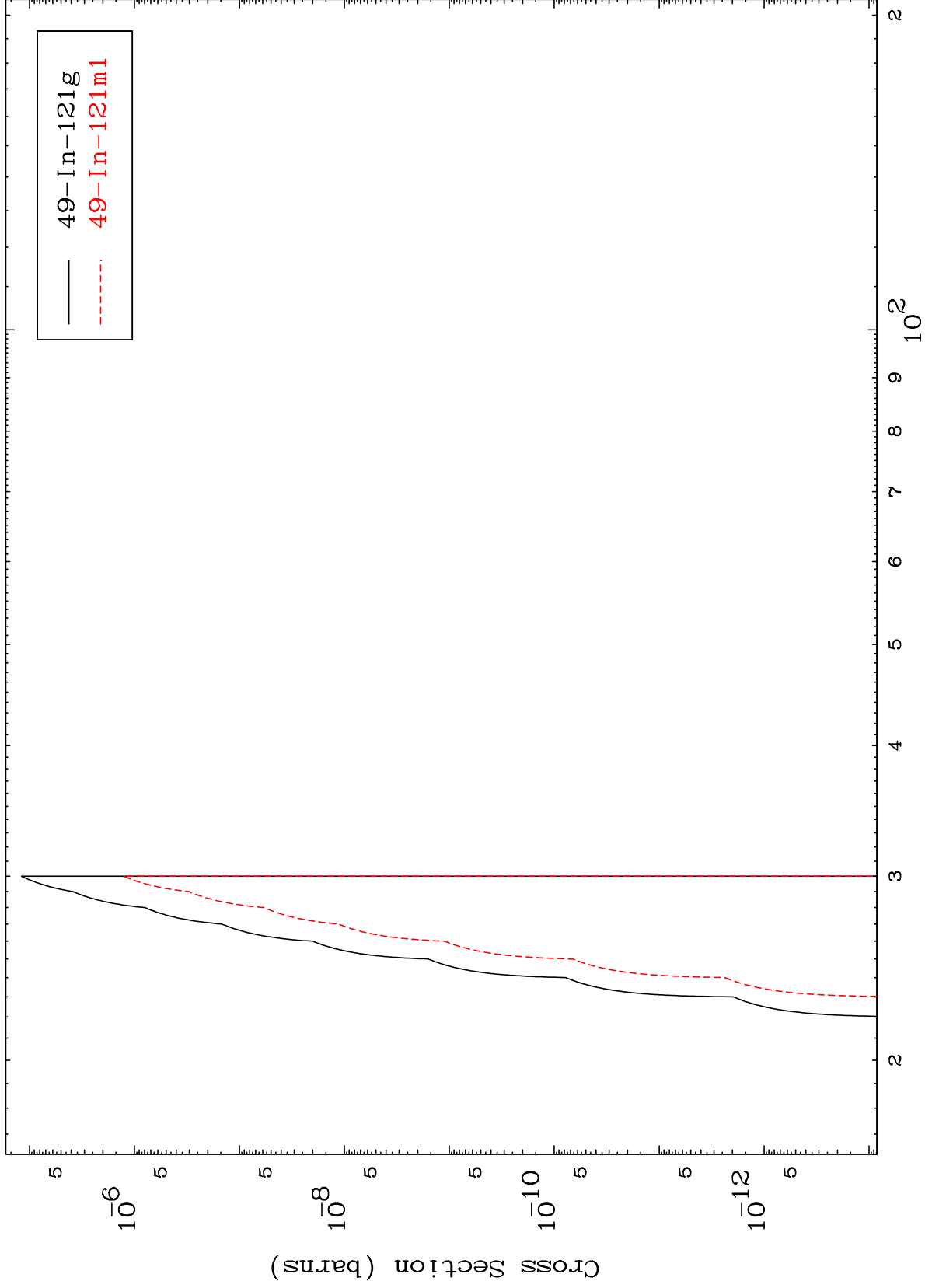
51-Sb-124

MAT 5135

(n, n') He-3

51-Sb-124

Radionuclide Production Cross Section



27

Incident Energy (MeV)

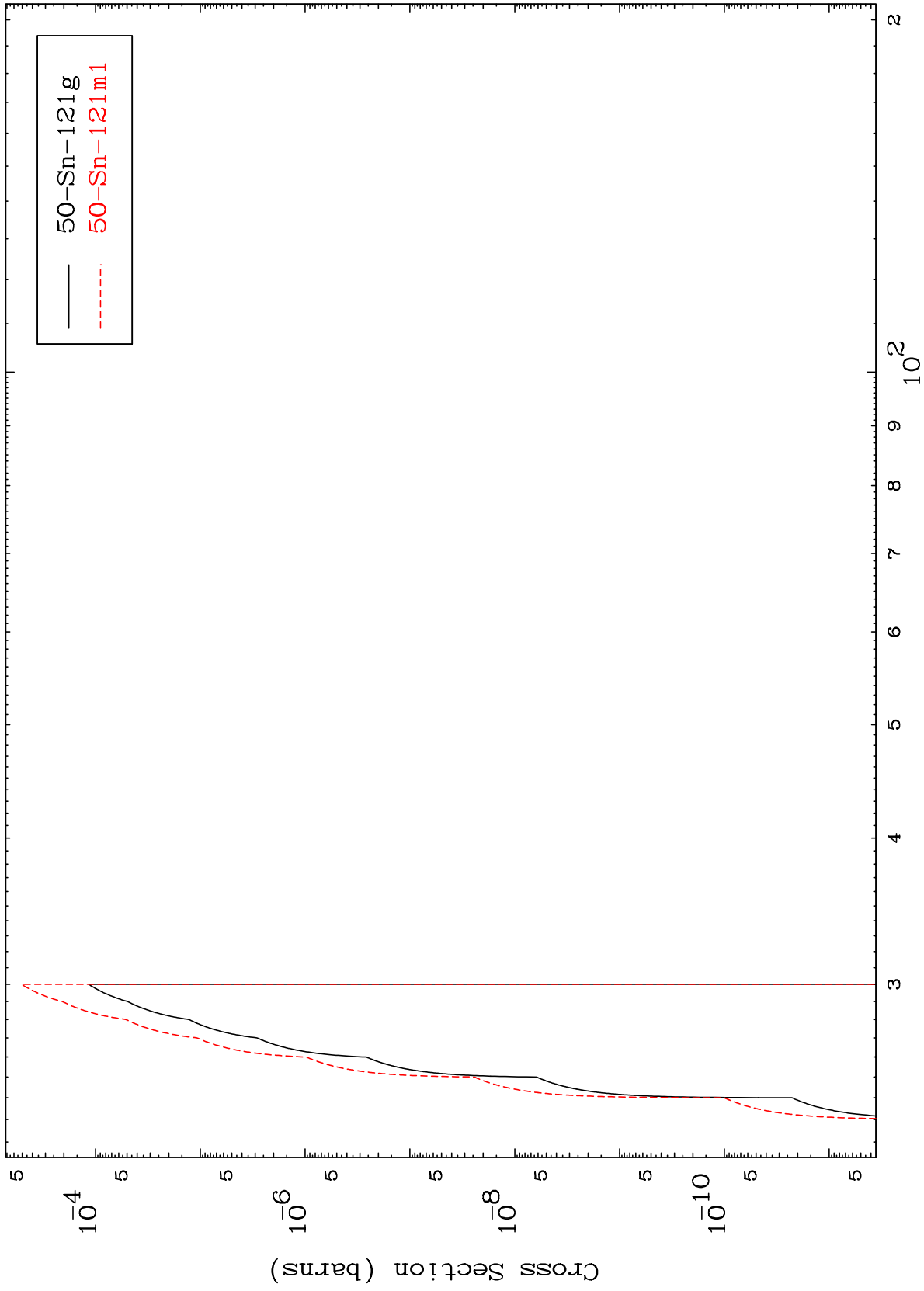
51-Sb-124

MAT 5135

(n,3n) p

51-Sb-124

Radionuclide Production Cross Section



28

Incident Energy (MeV)

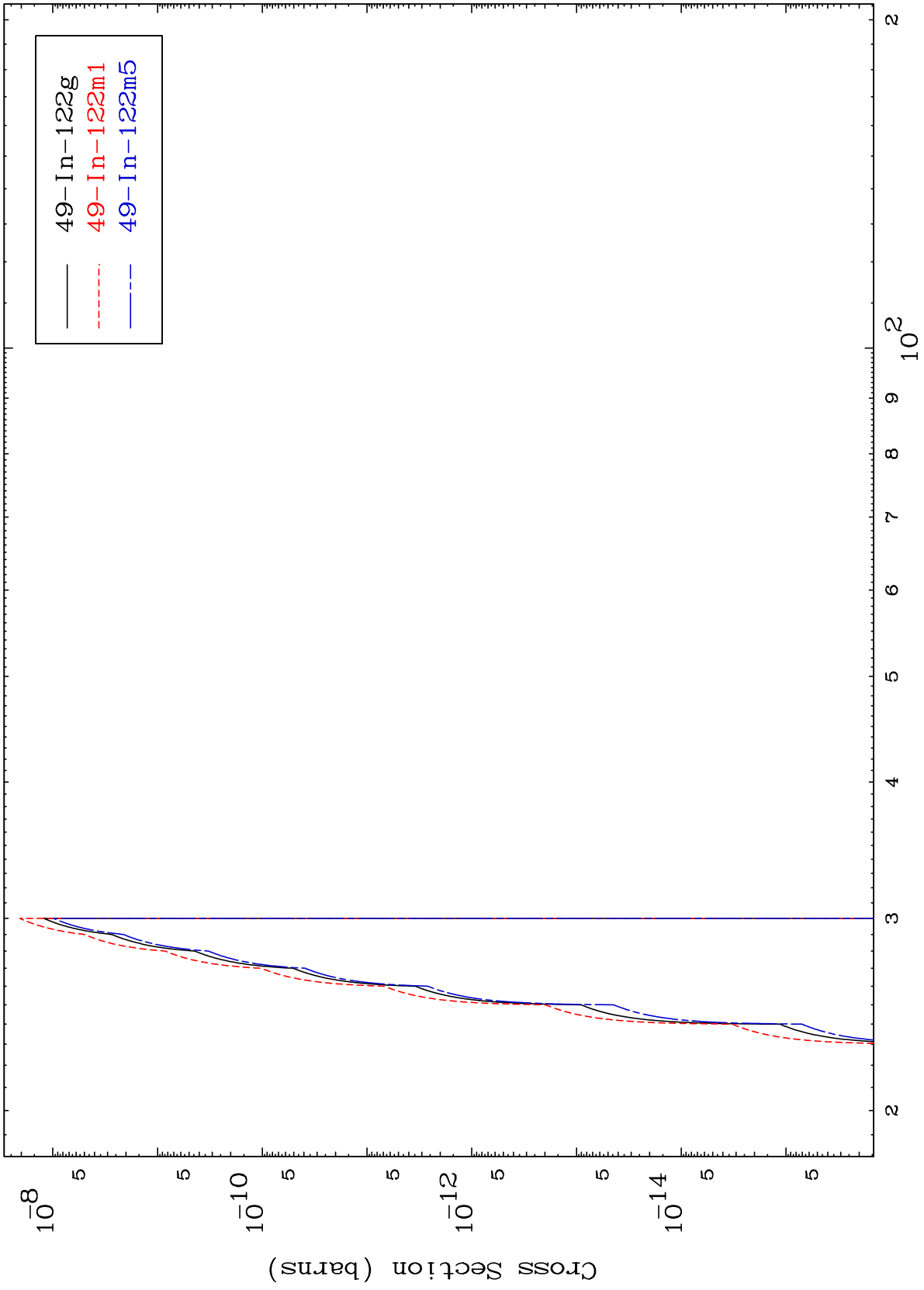
51-Sb-124

MAT 5135

(n,2n) p

51-Sb-124

Radionuclide Production Cross Section



29

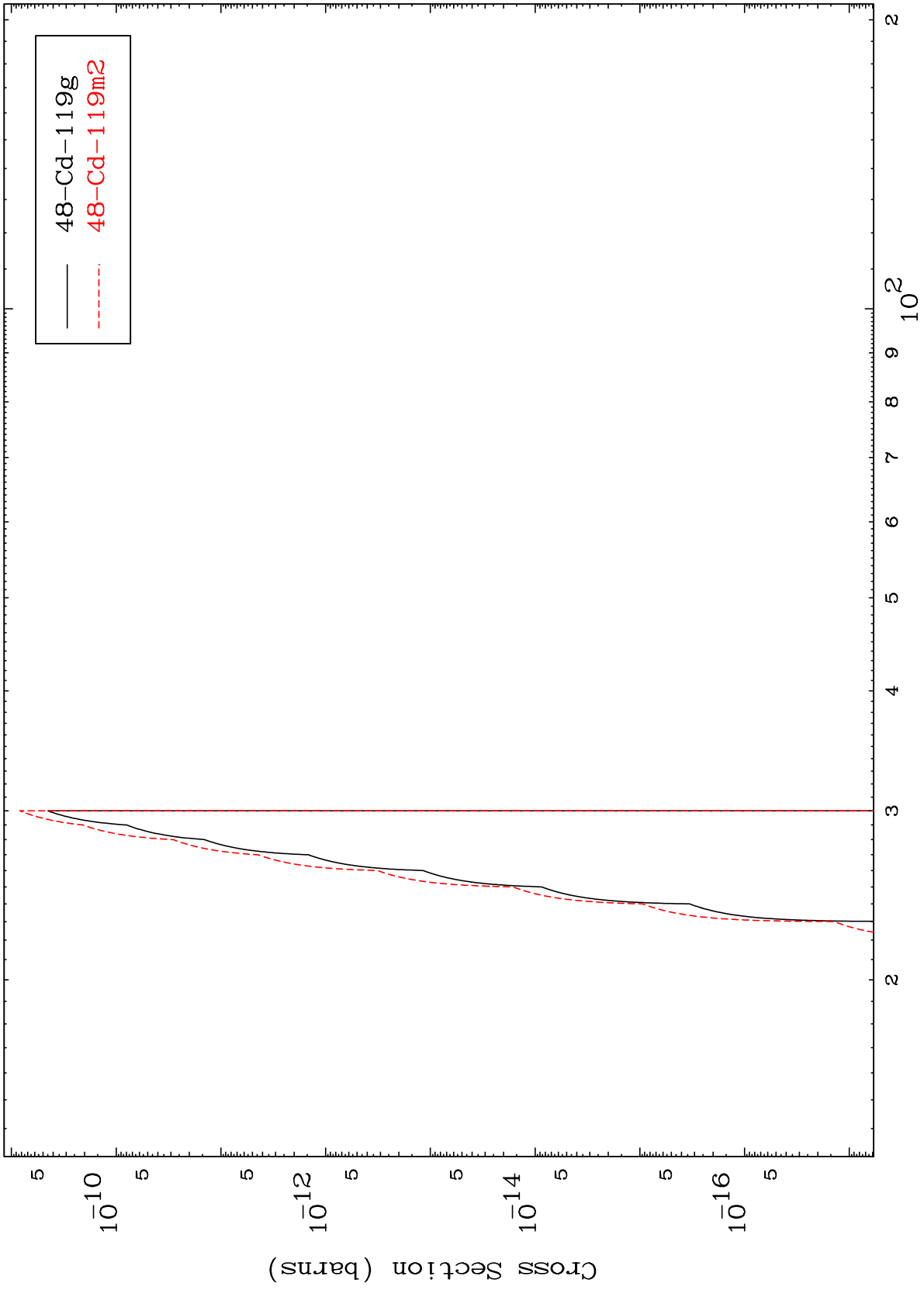
Incident Energy (MeV)

51-Sb-124

MAT 5135

51-Sb-124

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



30

Incident Energy (MeV)

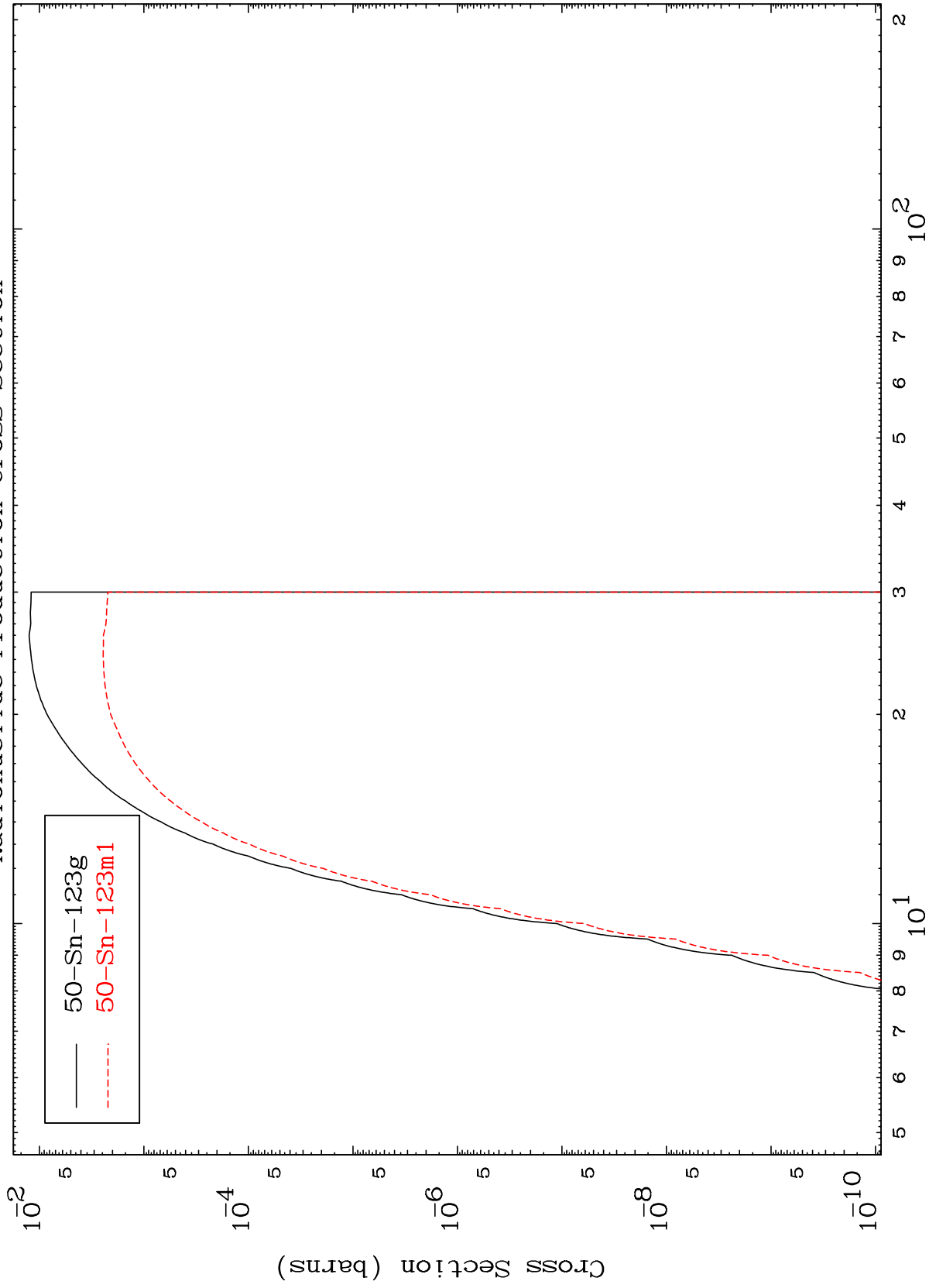
51-Sb-124

MAT 5135

(n,d)

51-Sb-124

Radionuclide Production Cross Section



31

Incident Energy (MeV)

51-Sb-124

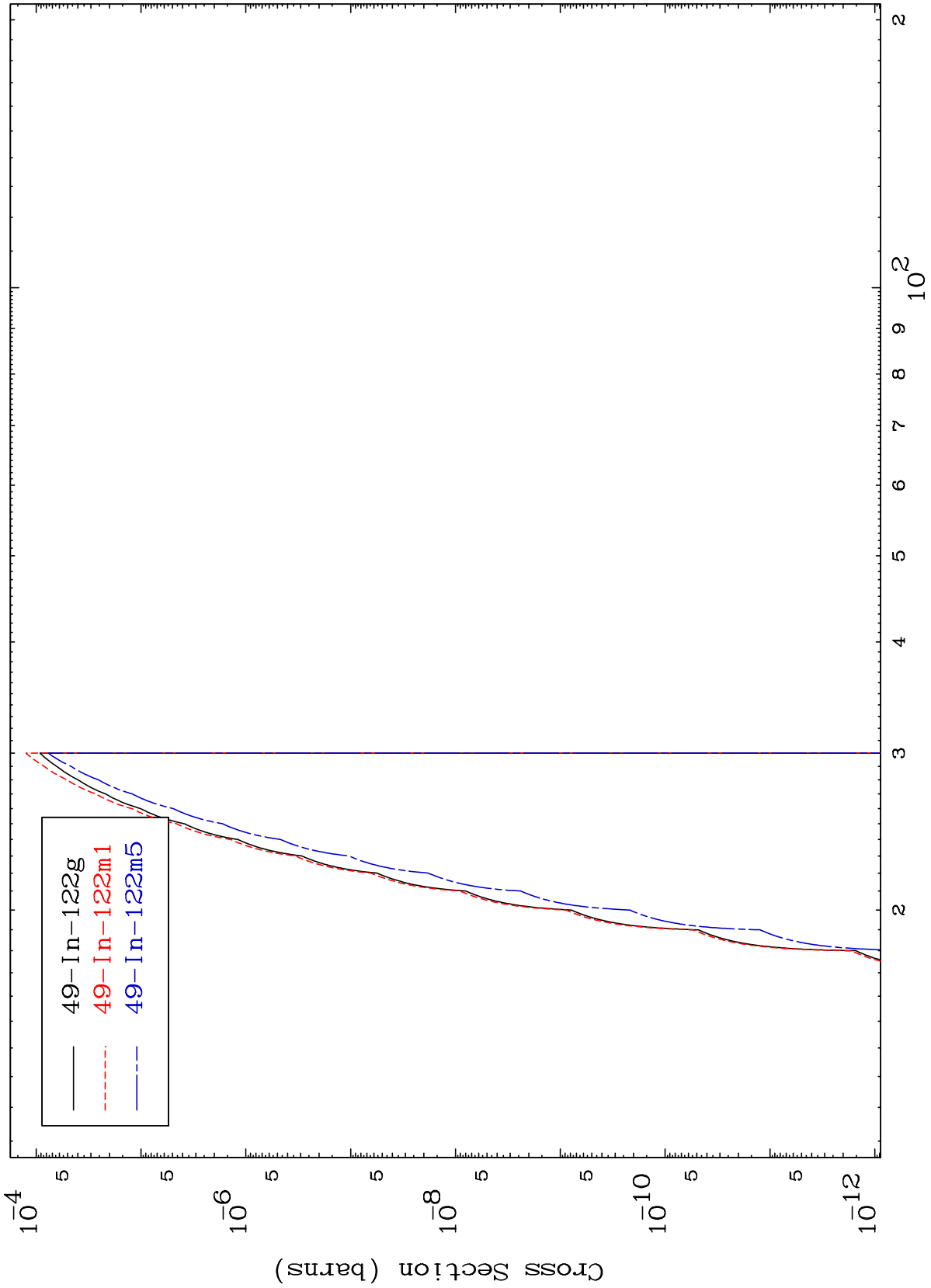


MAT 5135

(n,He-3)

51-Sb-124

Radionuclide Production Cross Section



32

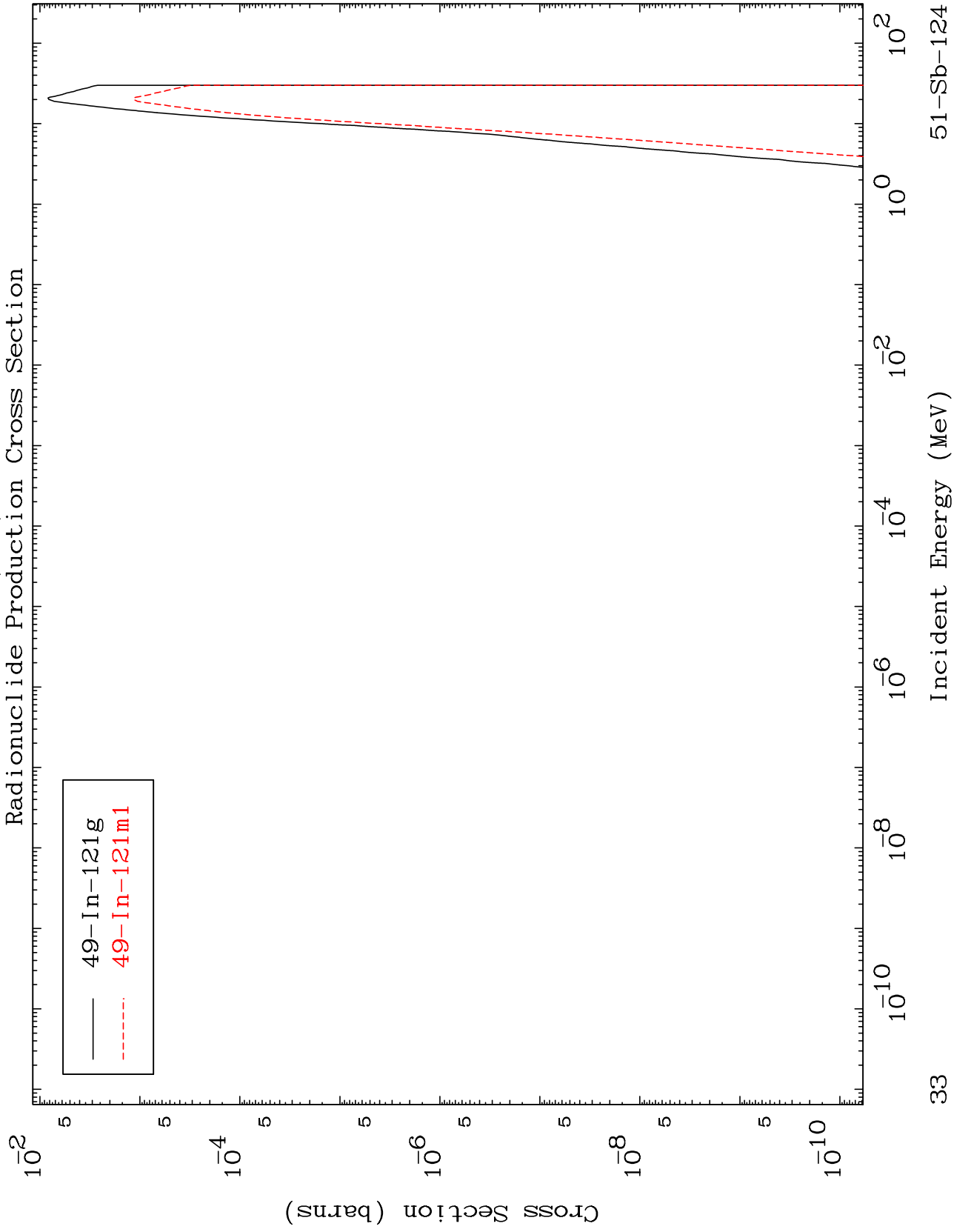
Incident Energy (MeV)

51-Sb-124

MAT 5135

(n,  $\alpha$ )

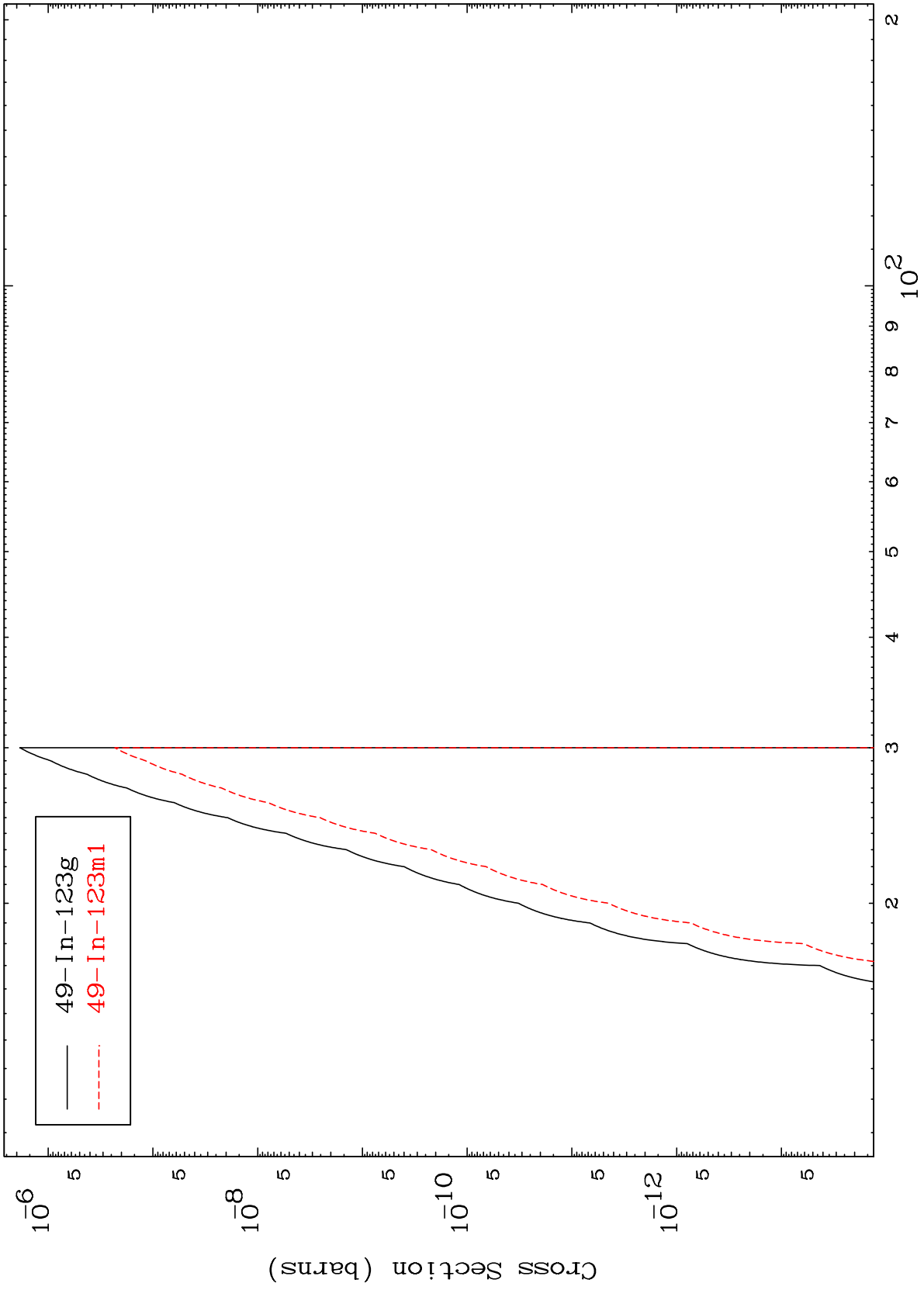
51-Sb-124



MAT 5135

51-Sb-124

(n,2p)  
Radionuclide Production Cross Section



34

51-Sb-124

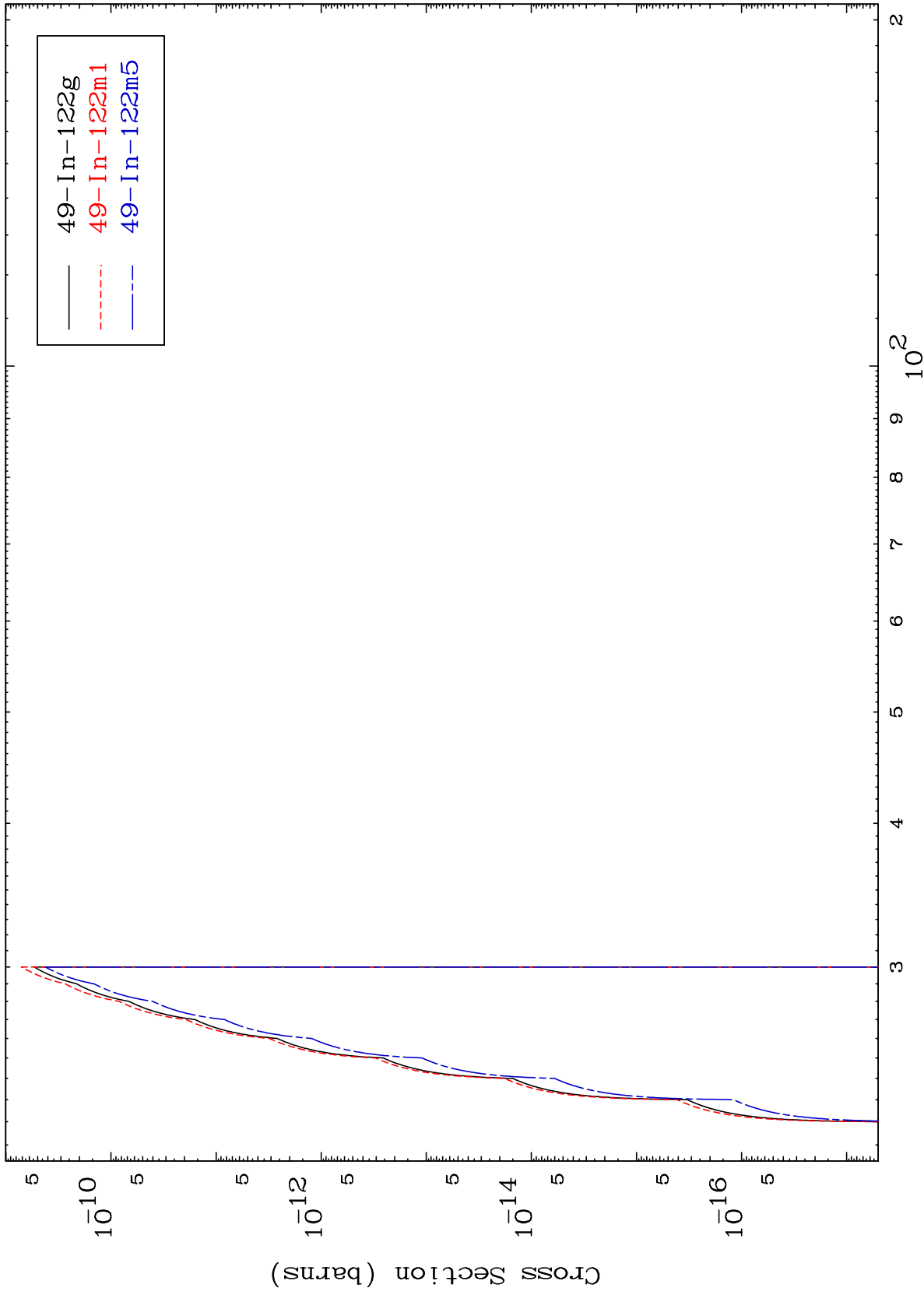
Incident Energy (MeV)

MAT 5135

(n,p) d

51-Sb-124

Radionuclide Production Cross Section



35

Incident Energy (MeV)

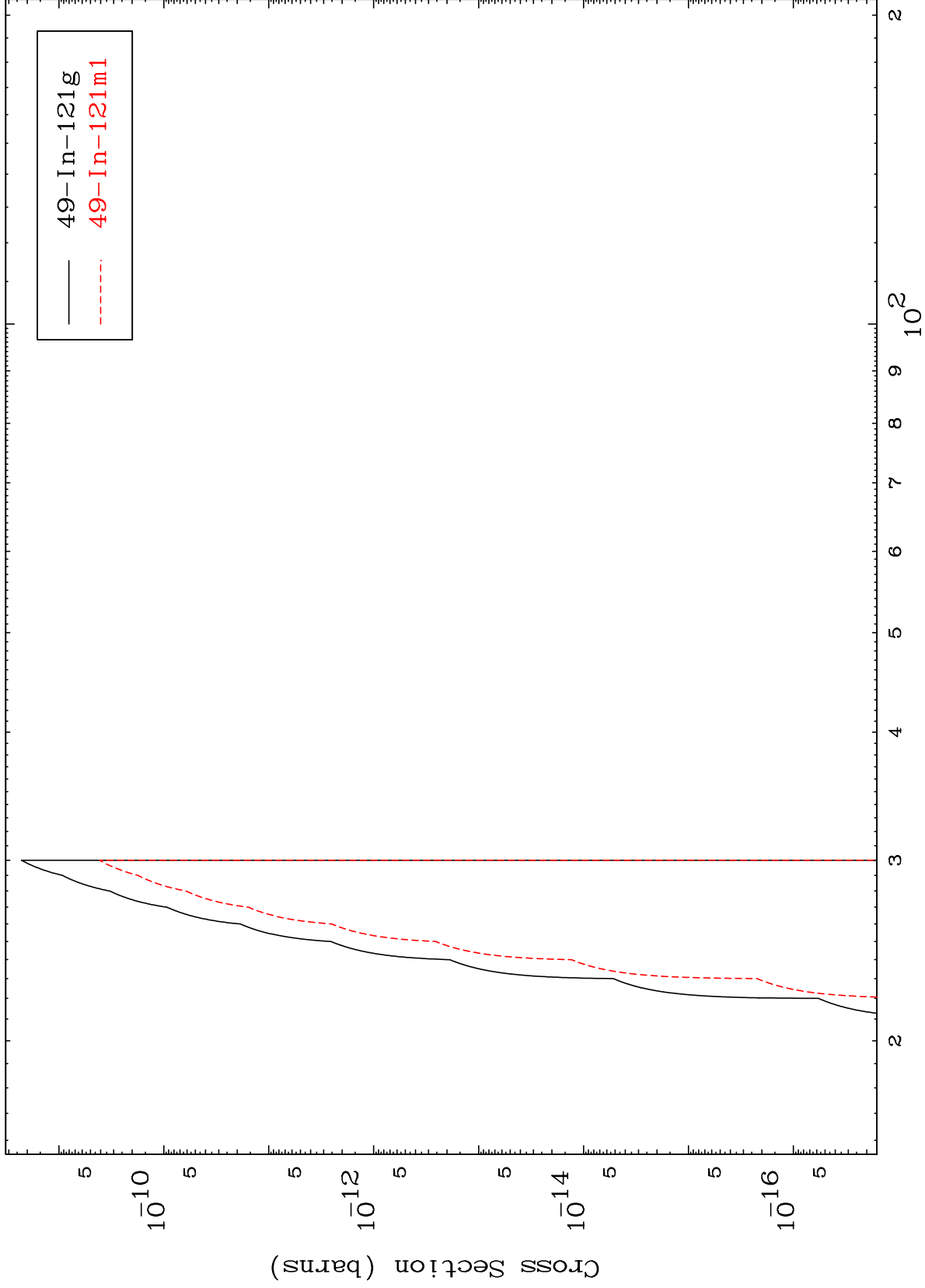
51-Sb-124

MAT 5135

(n,p) t

51-Sb-124

Radionuclide Production Cross Section



36

Incident Energy (MeV)

51-Sb-124