

Program EVALPLOT
(Version 2015-2)

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:home.comcast.net/~redcullen1

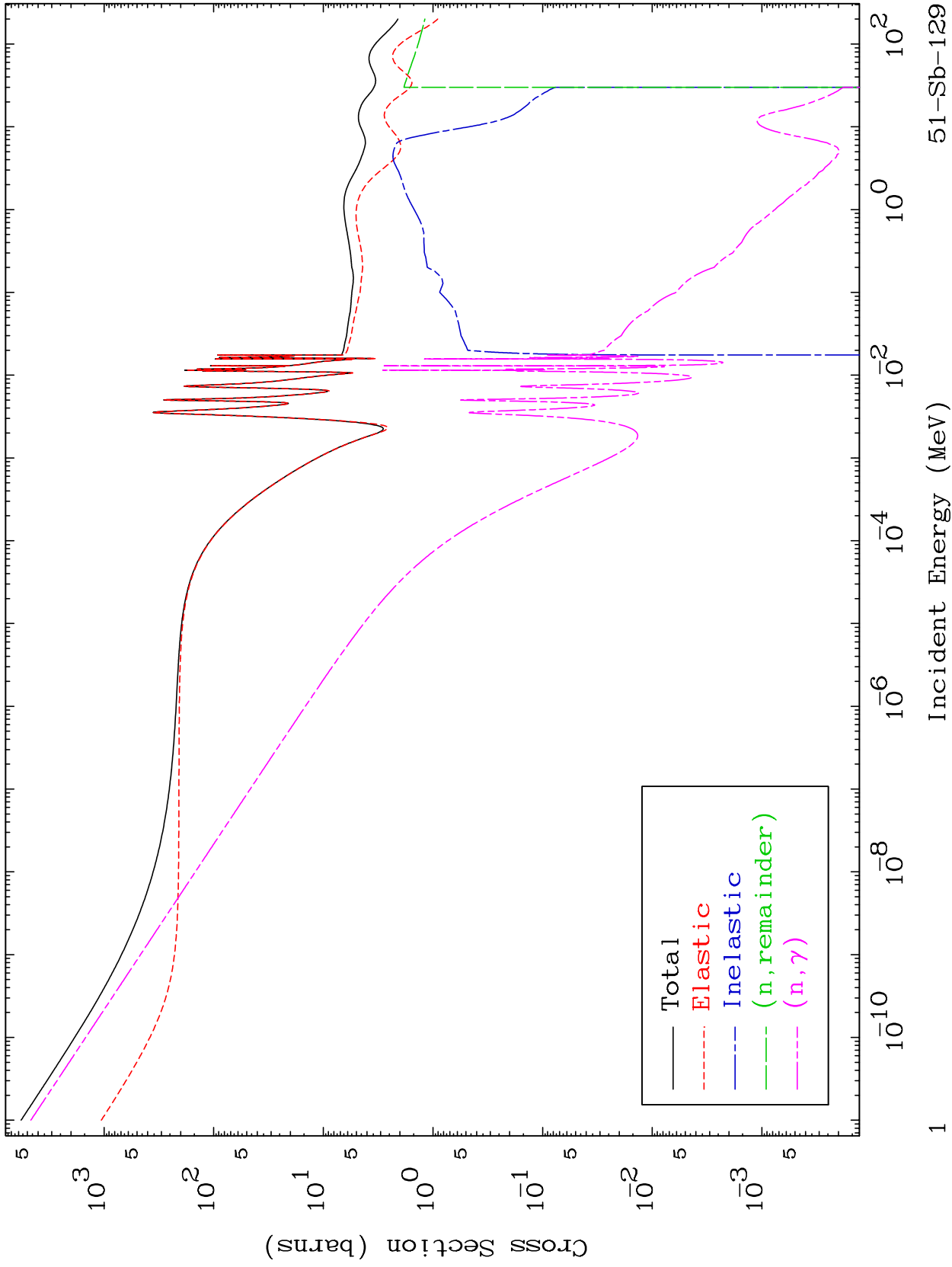
Press Mouse Button to Start

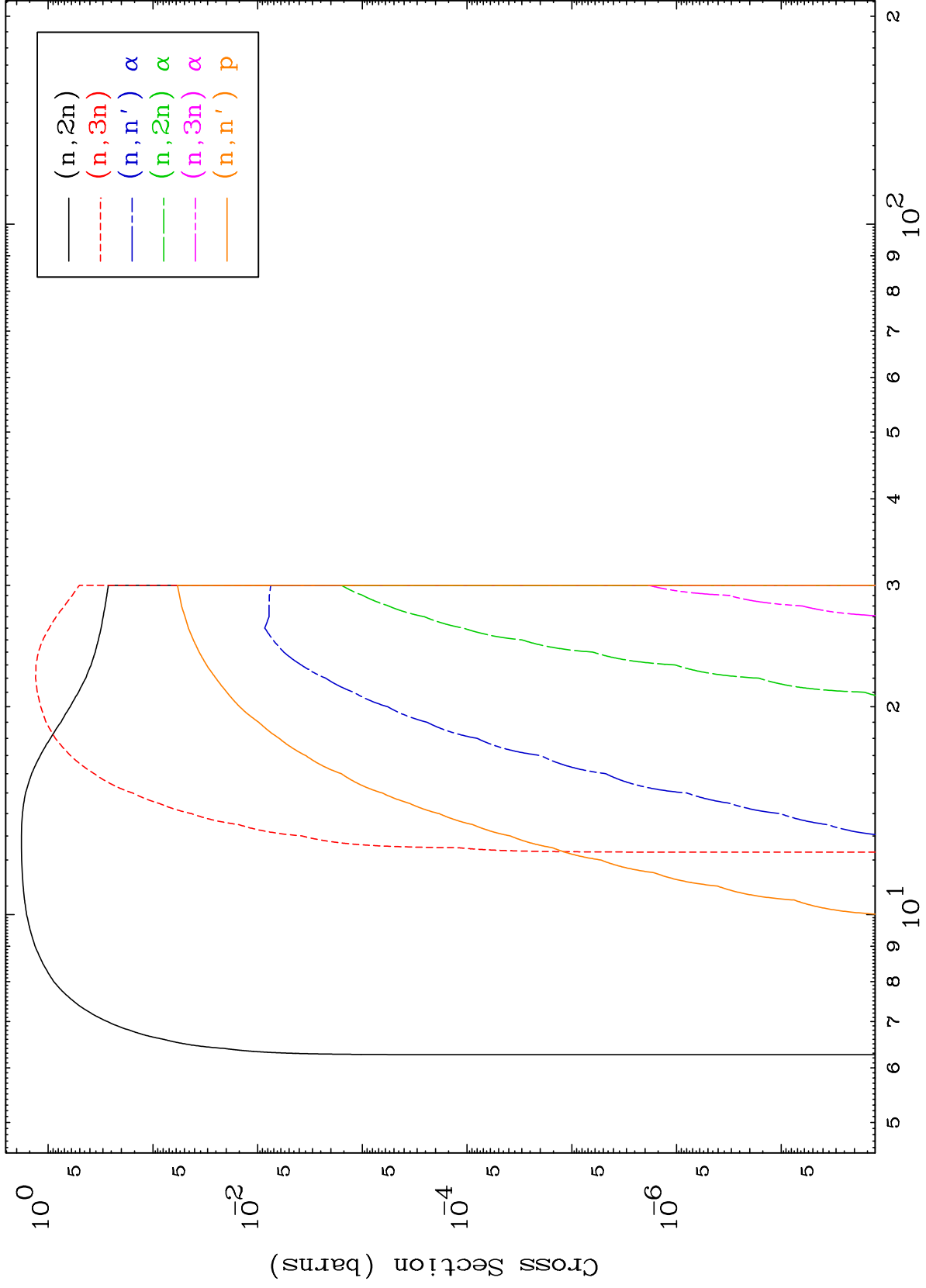
MAT 5150

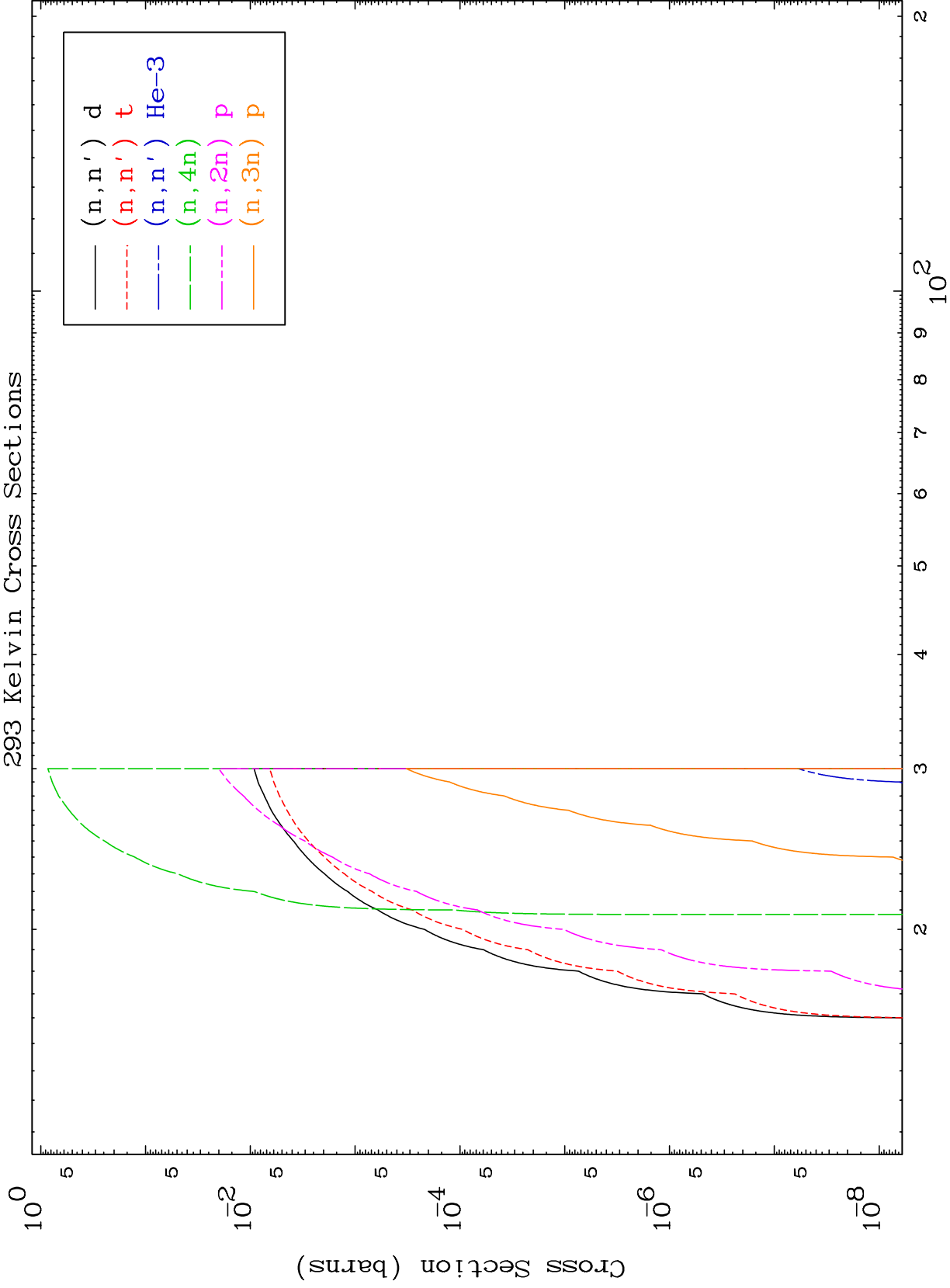
Major

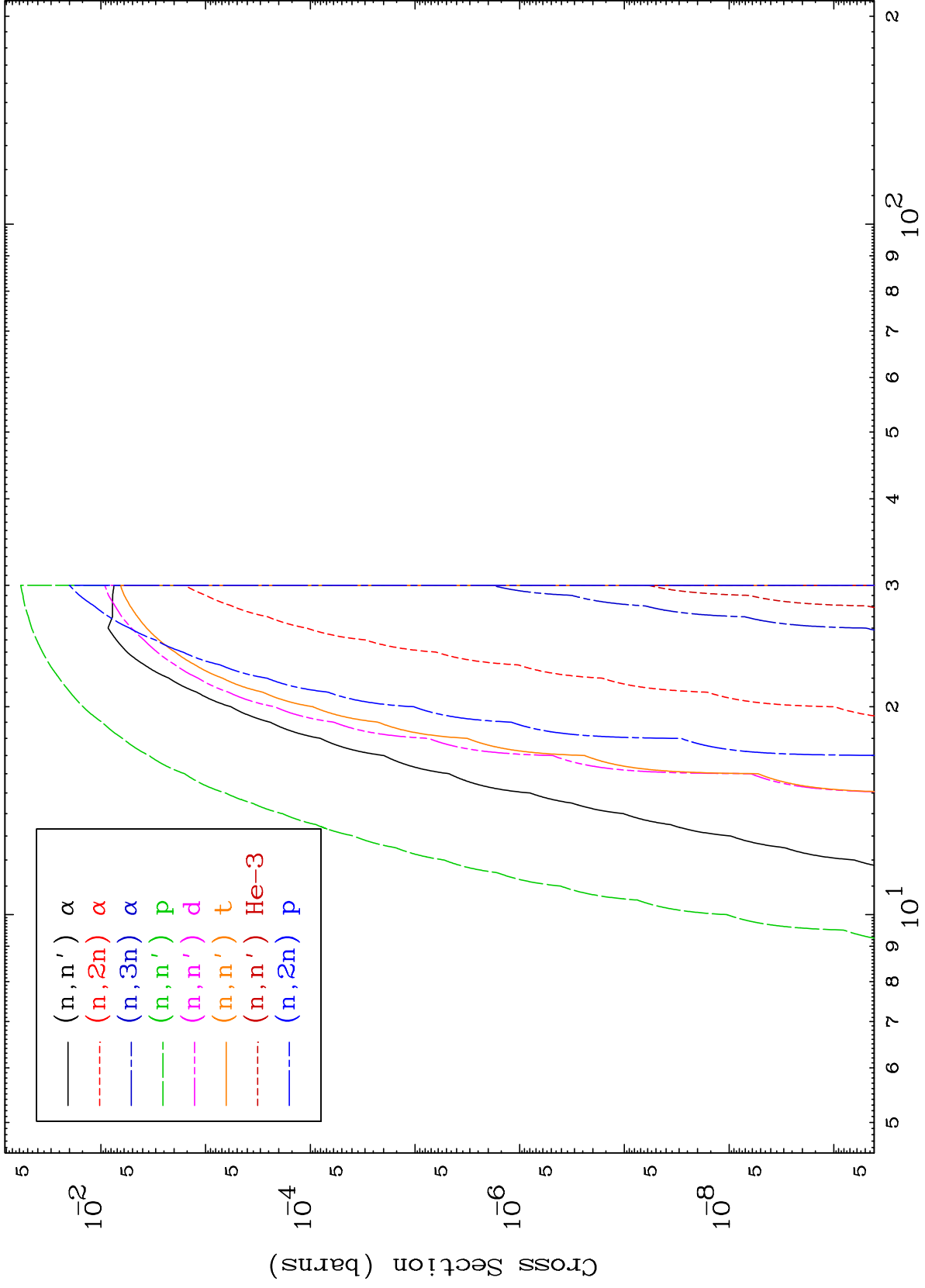
293 Kelvin Cross Sections

51-Sb-129





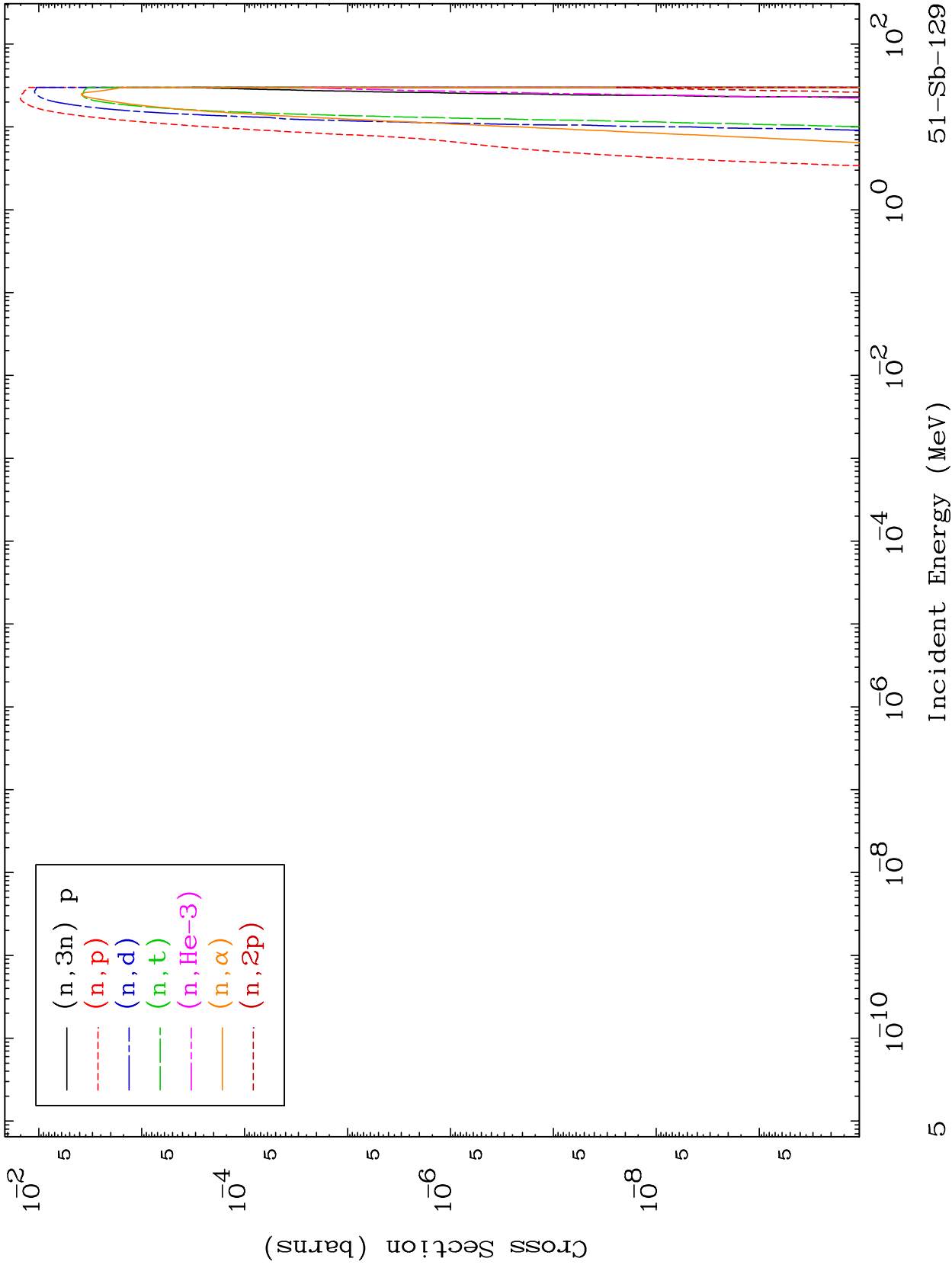




MAT 5150

Charged Particle
293 Kelvin Cross Sections

51-Sb-129

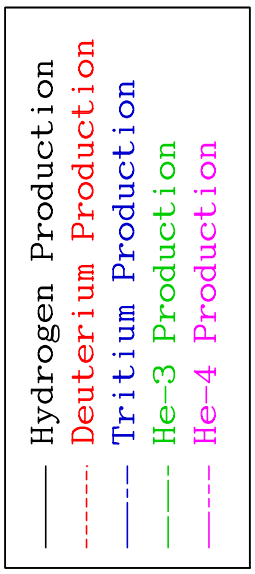
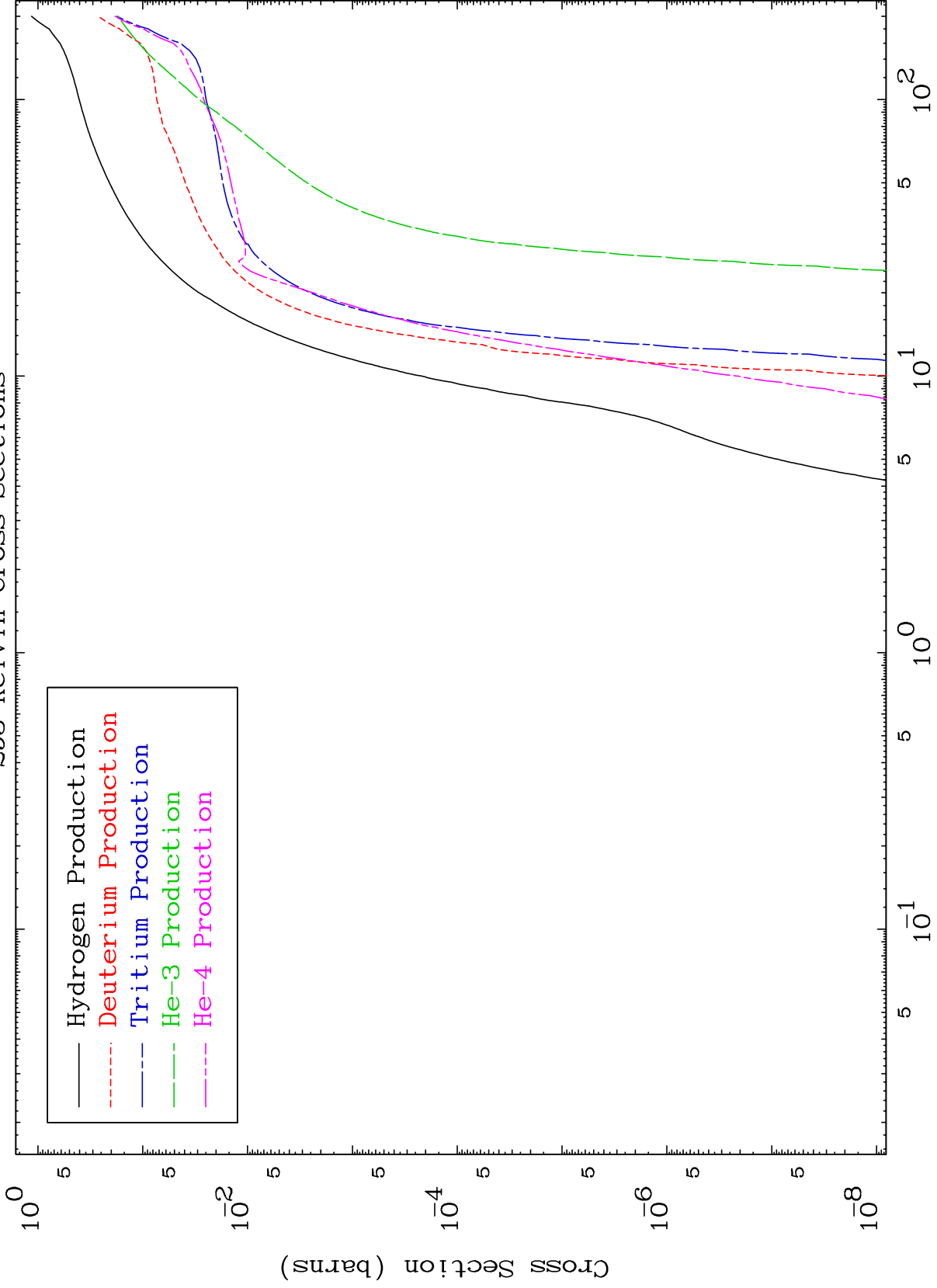


5

MAT 5150

Particle Production
293 Kelvin Cross Sections

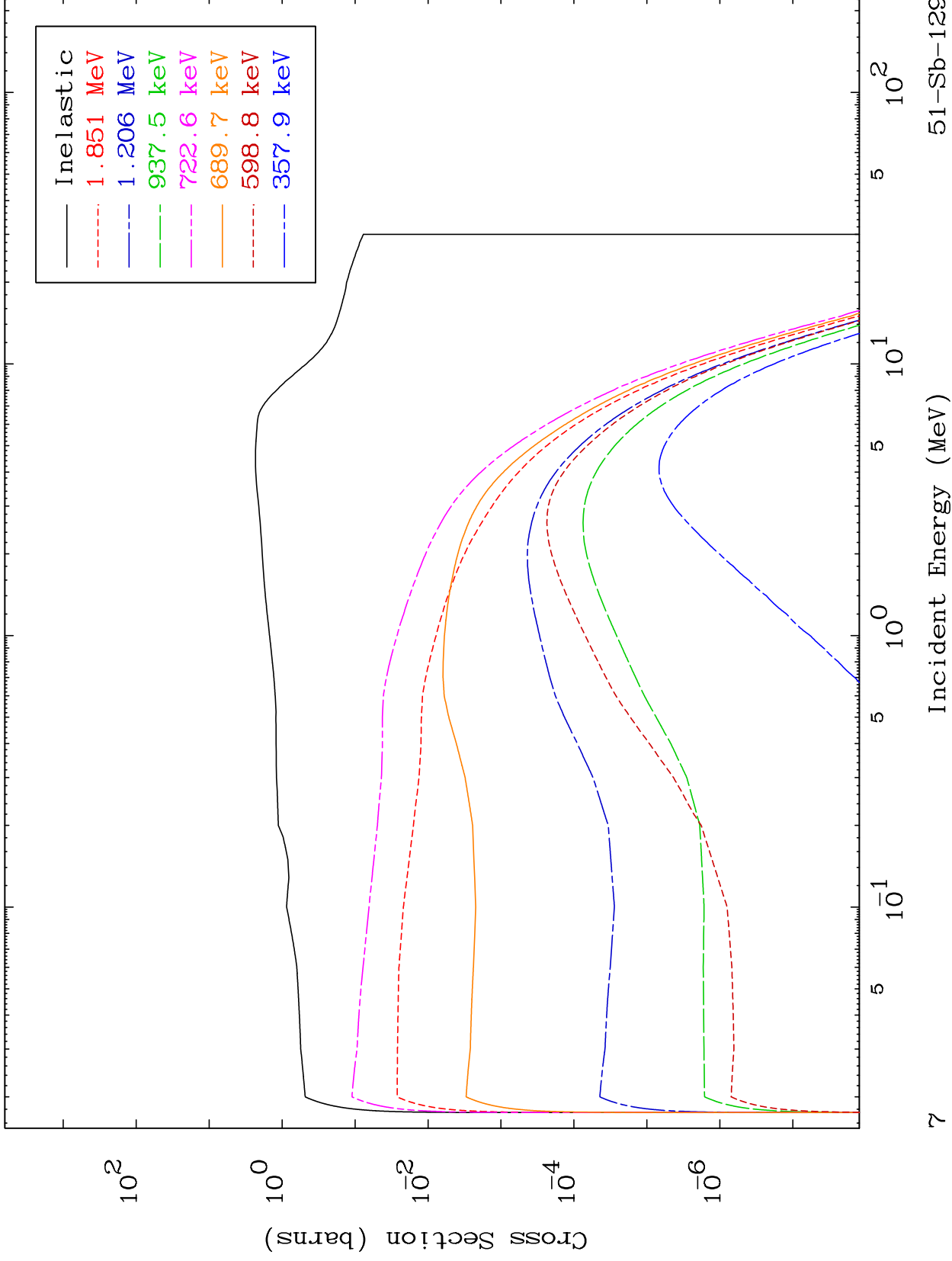
51-Sb-129



MAT 5150

(n,n') Level
293 Kelvin Cross Sections

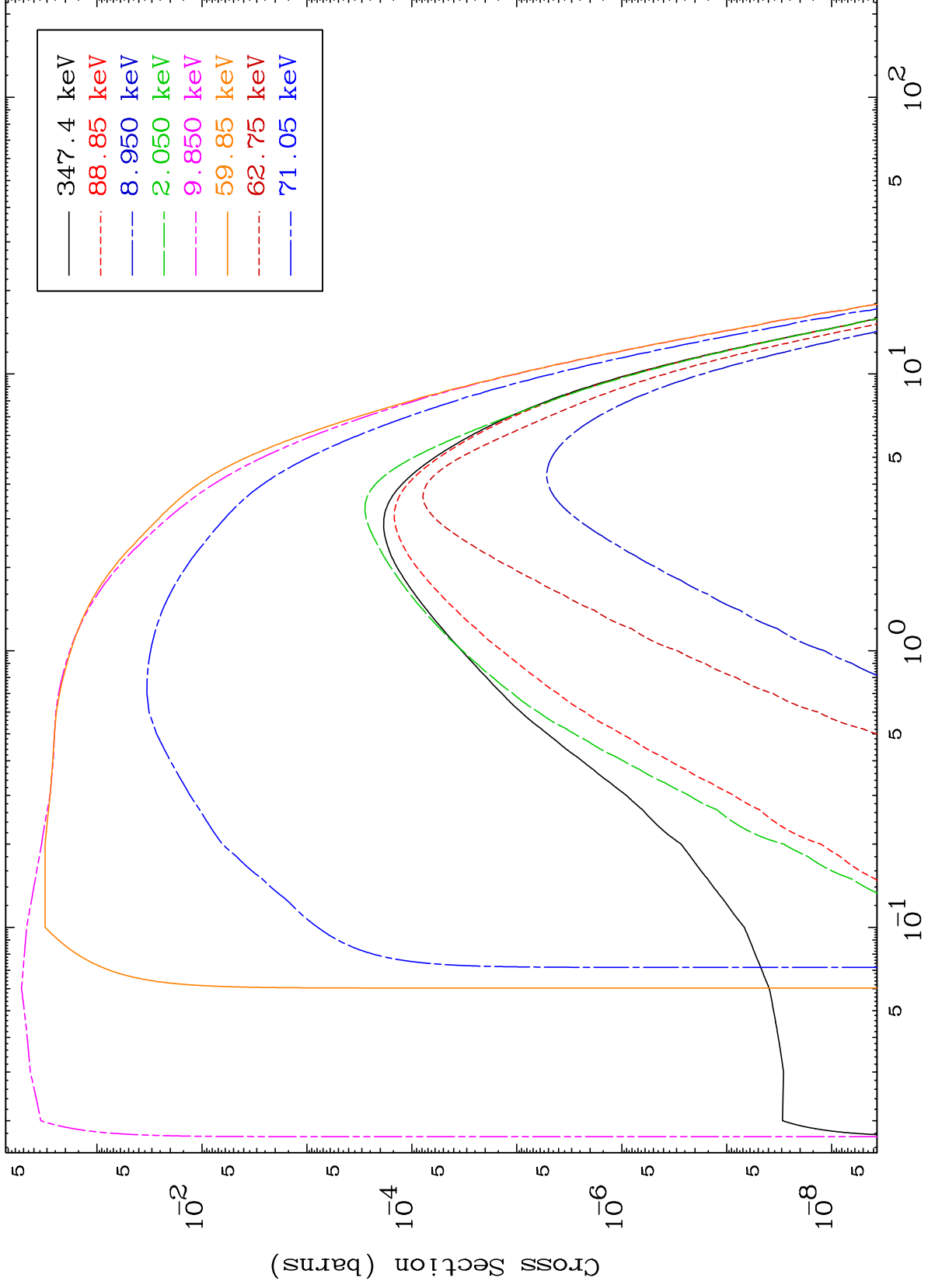
51-Sb-129



MAT 5150

(n,n') Level
293 Kelvin Cross Sections

51-Sb-129



8

Incident Energy (MeV)

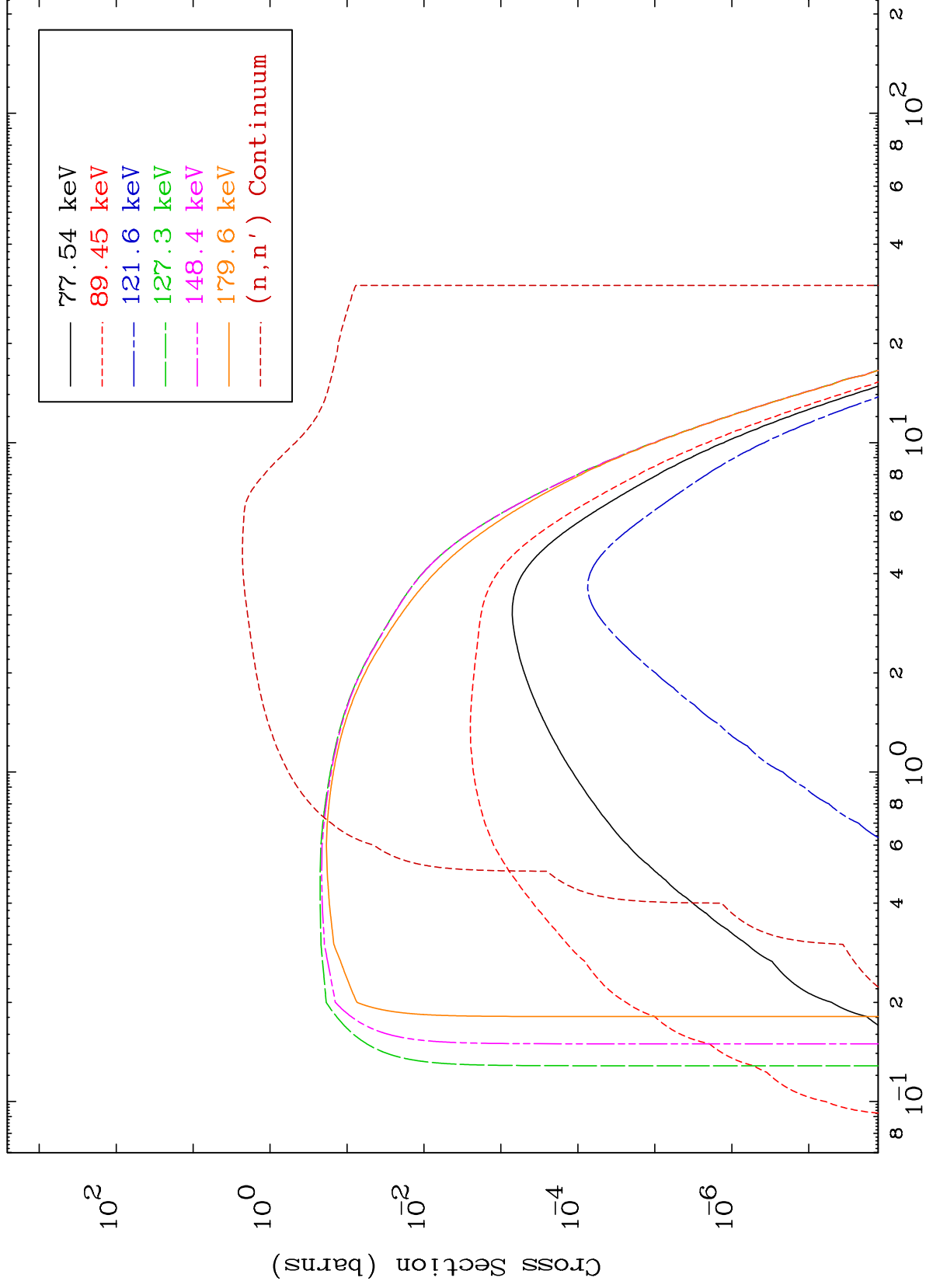
51-Sb-129

MAT 5150

(n,n') Level

51-Sb-129

293 Kelvin Cross Sections



9

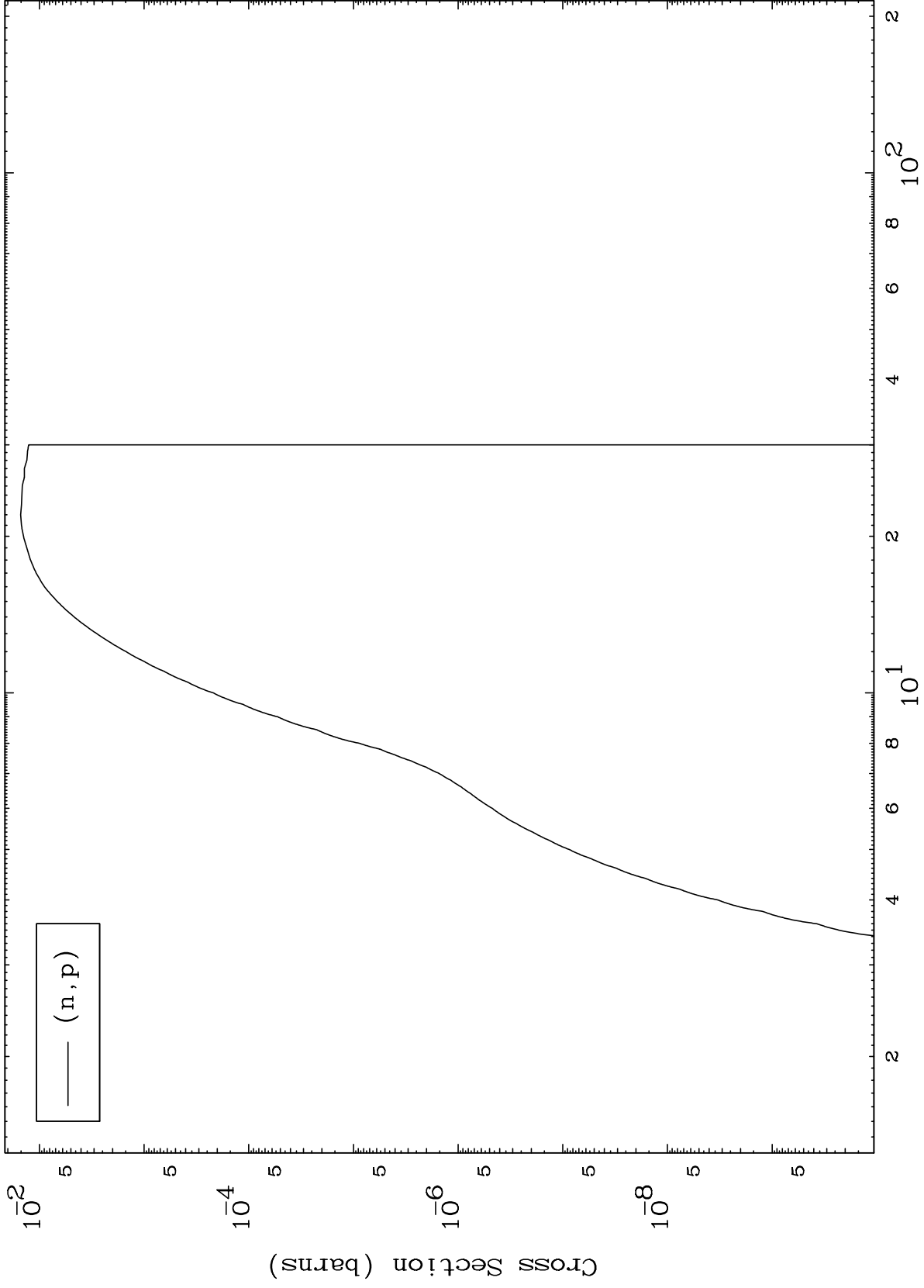
Incident Energy (MeV)

51-Sb-129

MAT 5150

(n,p) Levels
293 Kelvin Cross Sections

51-Sb-129



10

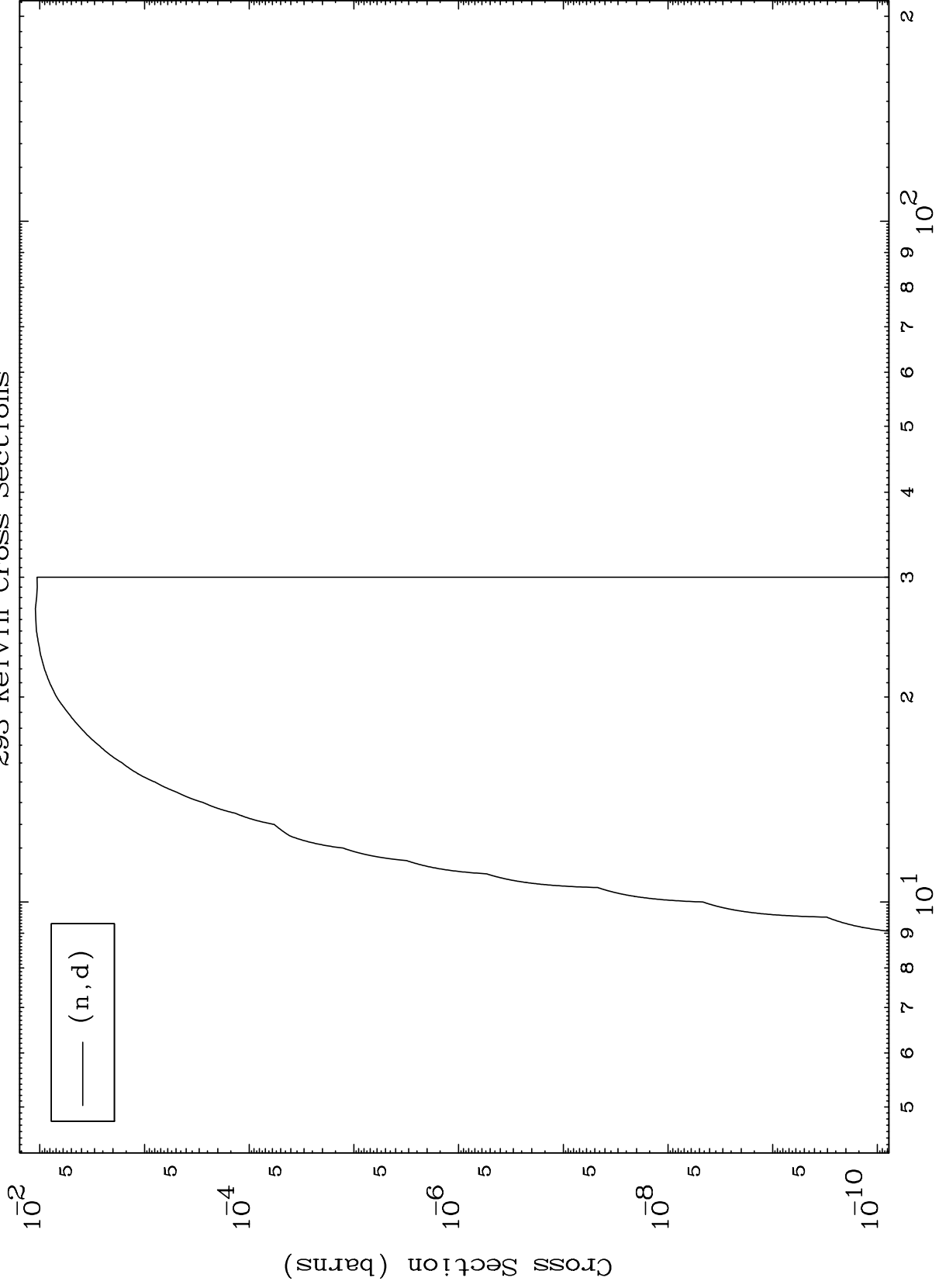
Incident Energy (MeV)

51-Sb-129

MAT 5150

(n,d) Levels
293 Kelvin Cross Sections

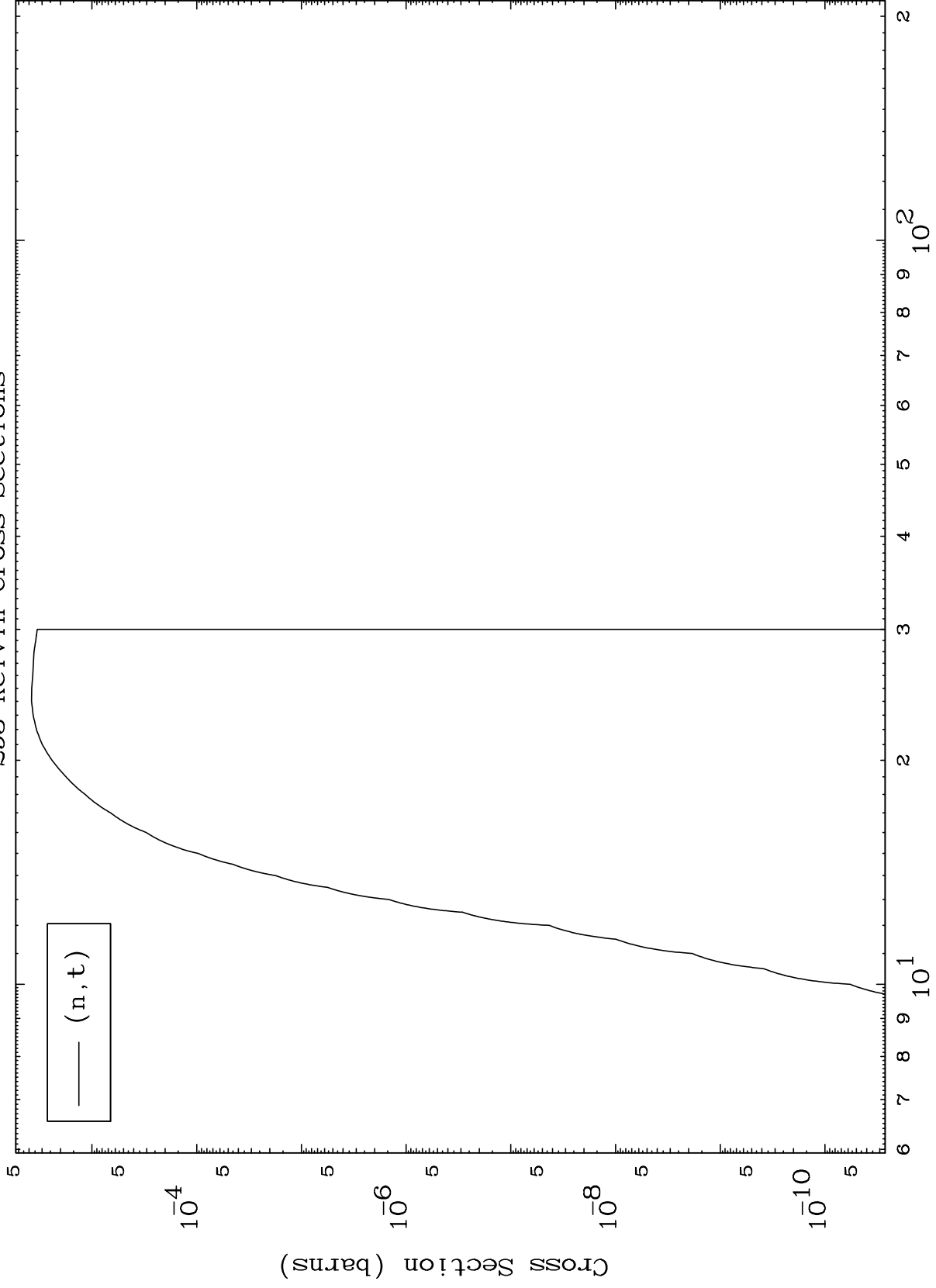
51-Sb-129



MAT 5150

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-129



12

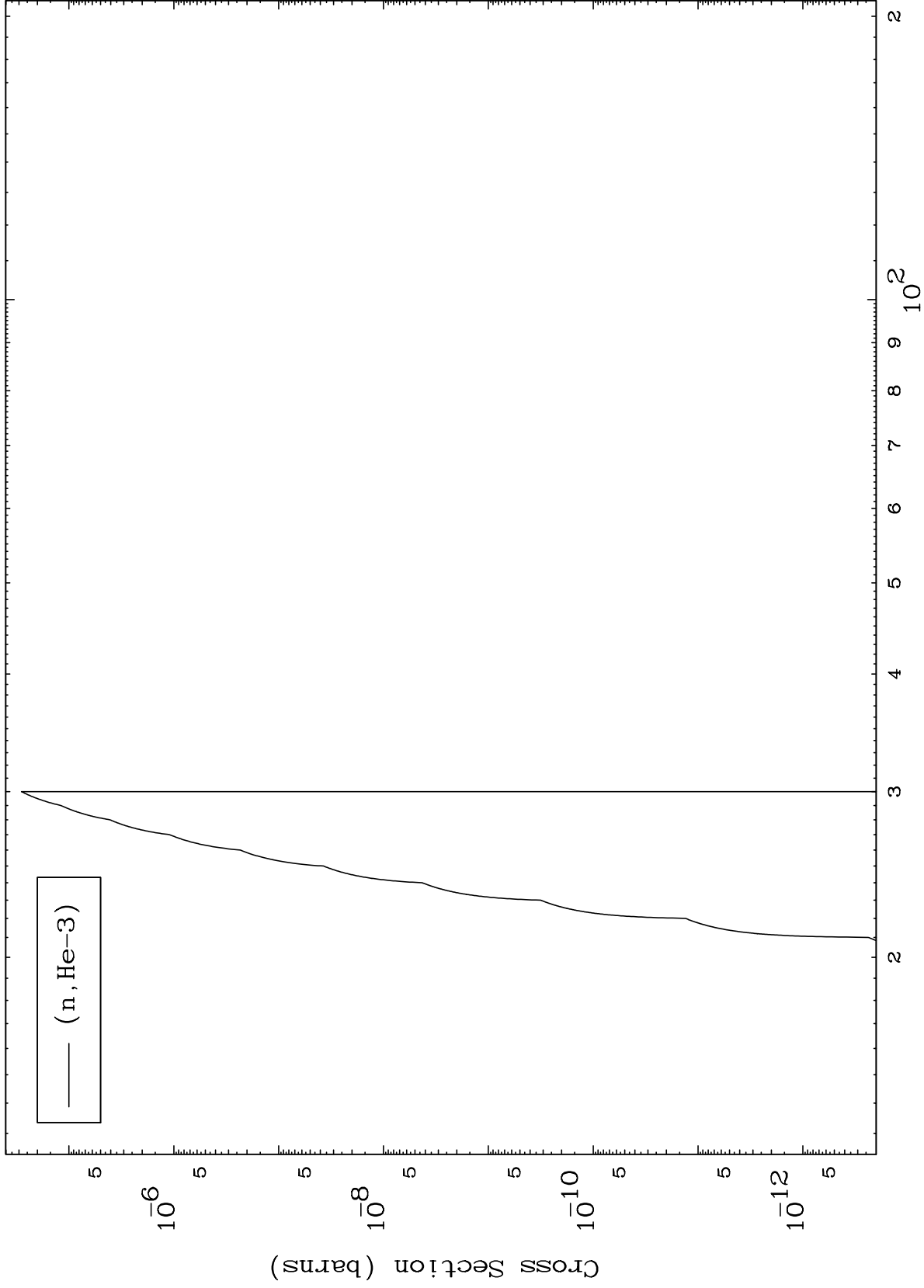
Incident Energy (MeV)

51-Sb-129

MAT 5150

(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-129



13

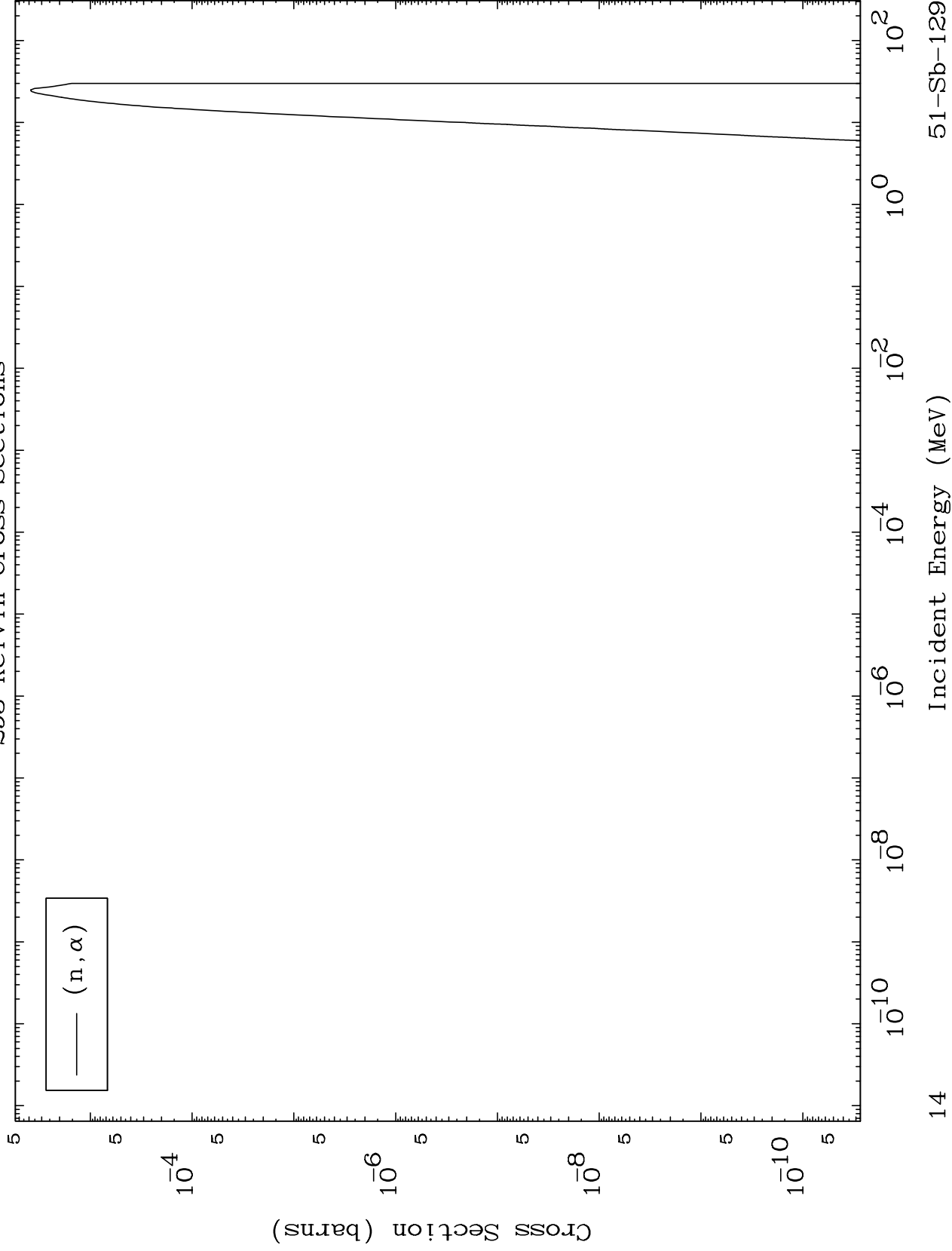
Incident Energy (MeV)

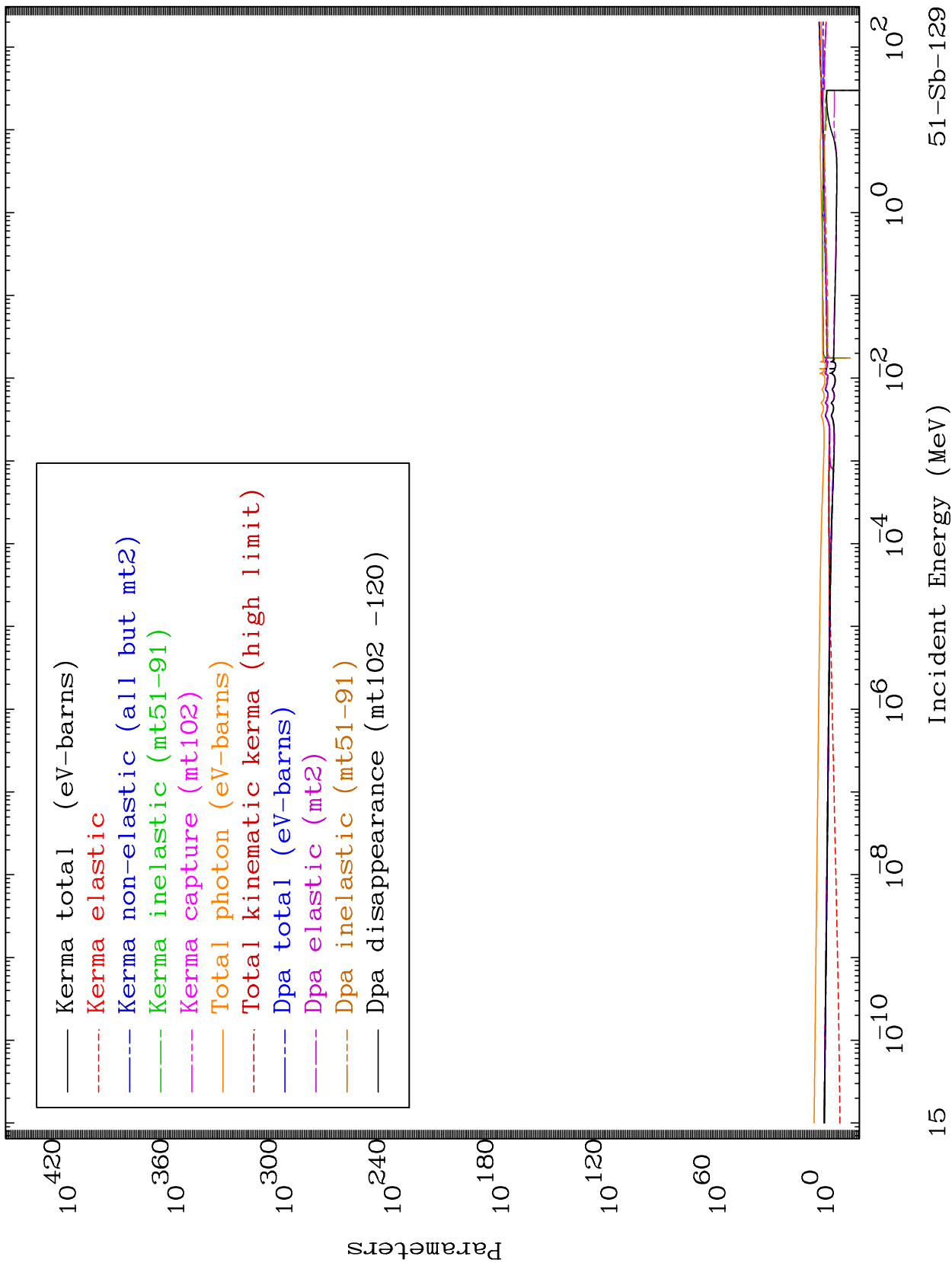
51-Sb-129

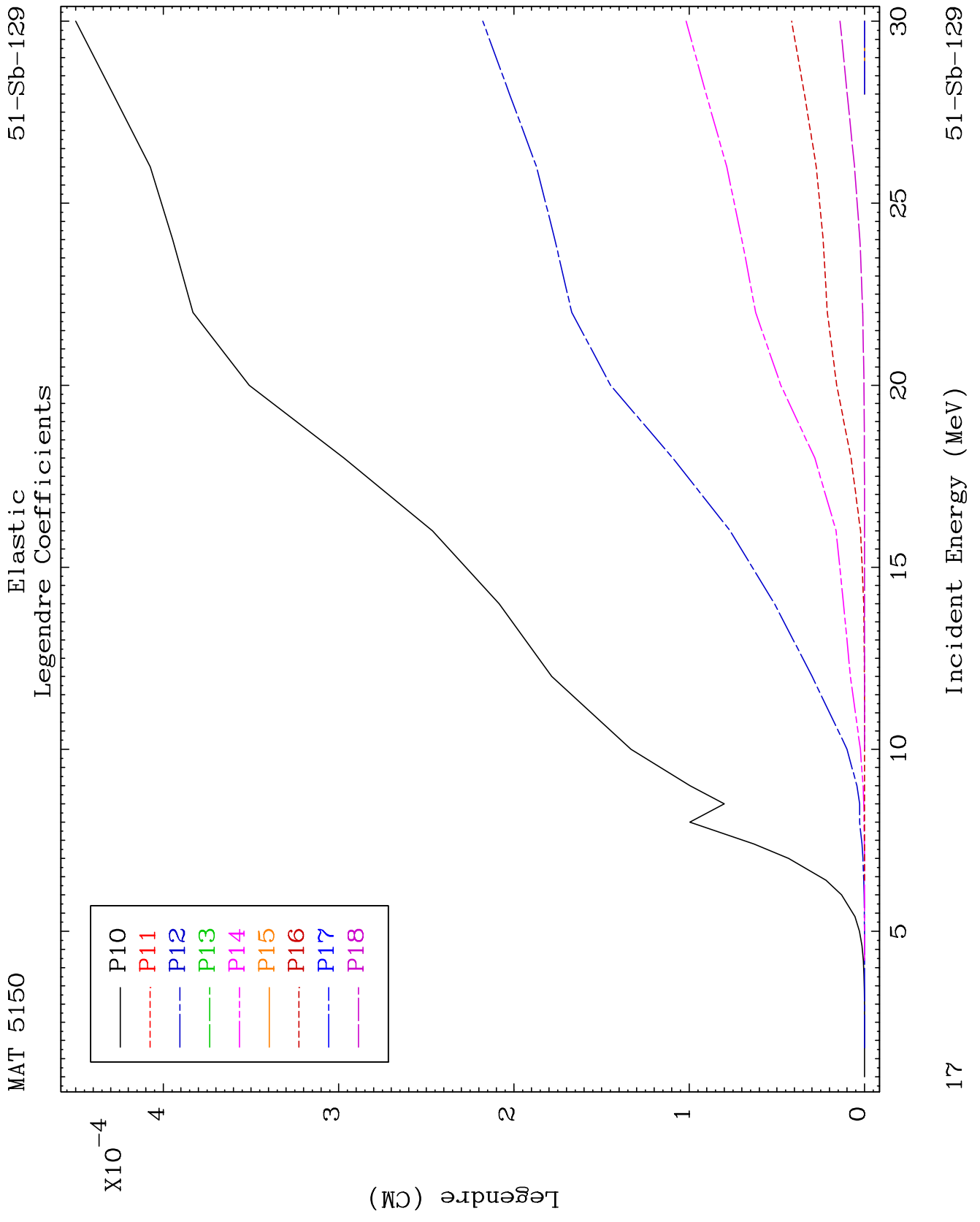
MAT 5150

(n, α) Levels
293 Kelvin Cross Sections

51-Sb-129







MAT 5150

Elastic Legendre Coefficients

51-Sb-129

17

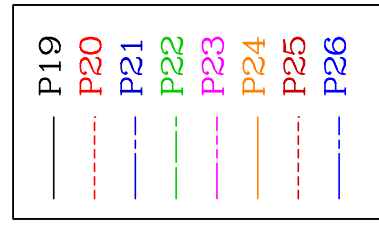
Incident Energy (MeV)

51-Sb-129

MAT 5150

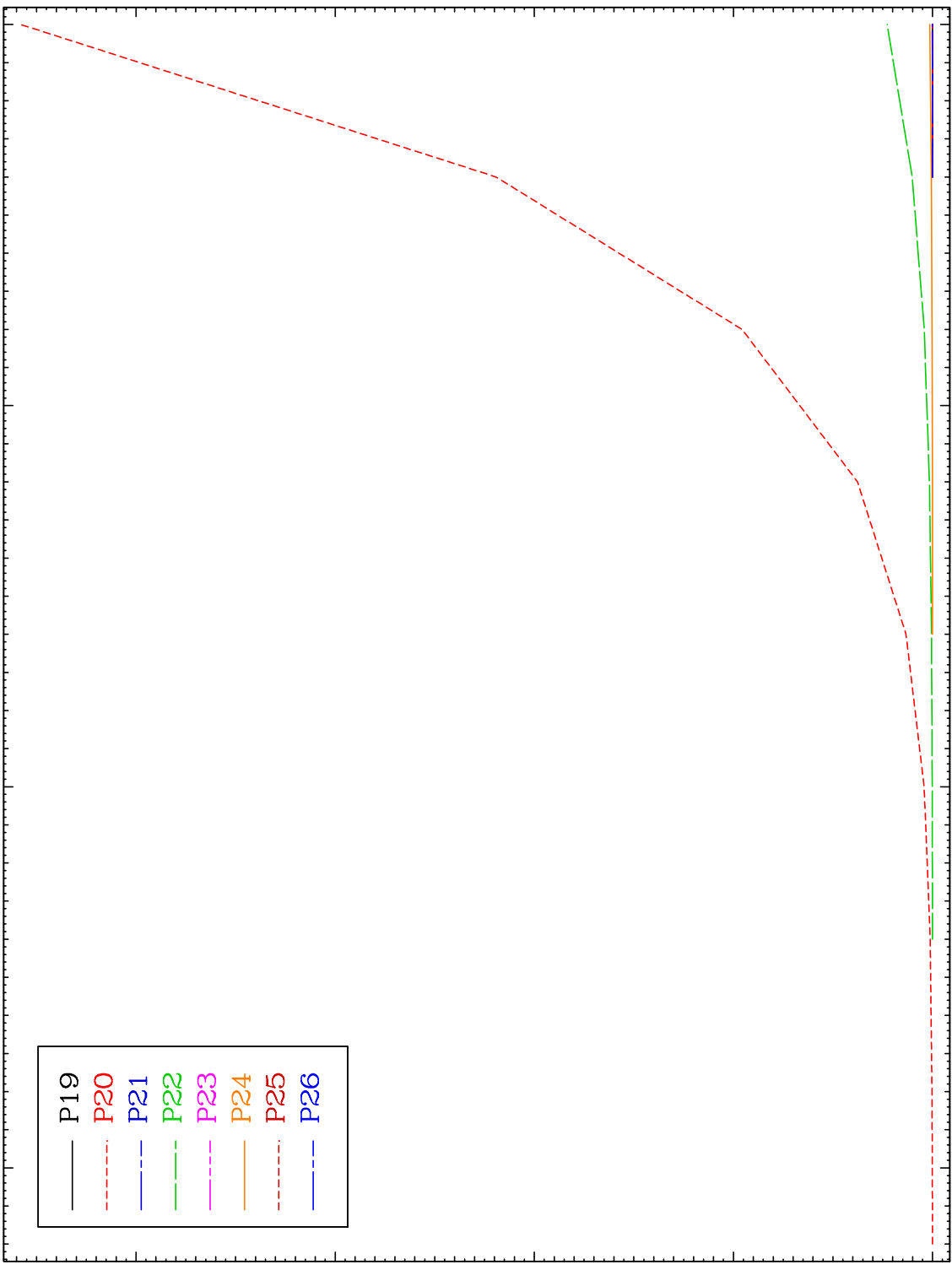
Elastic
Legendre Coefficients

51-Sb-129



$\times 10^{-7}$

Legendre (CM)

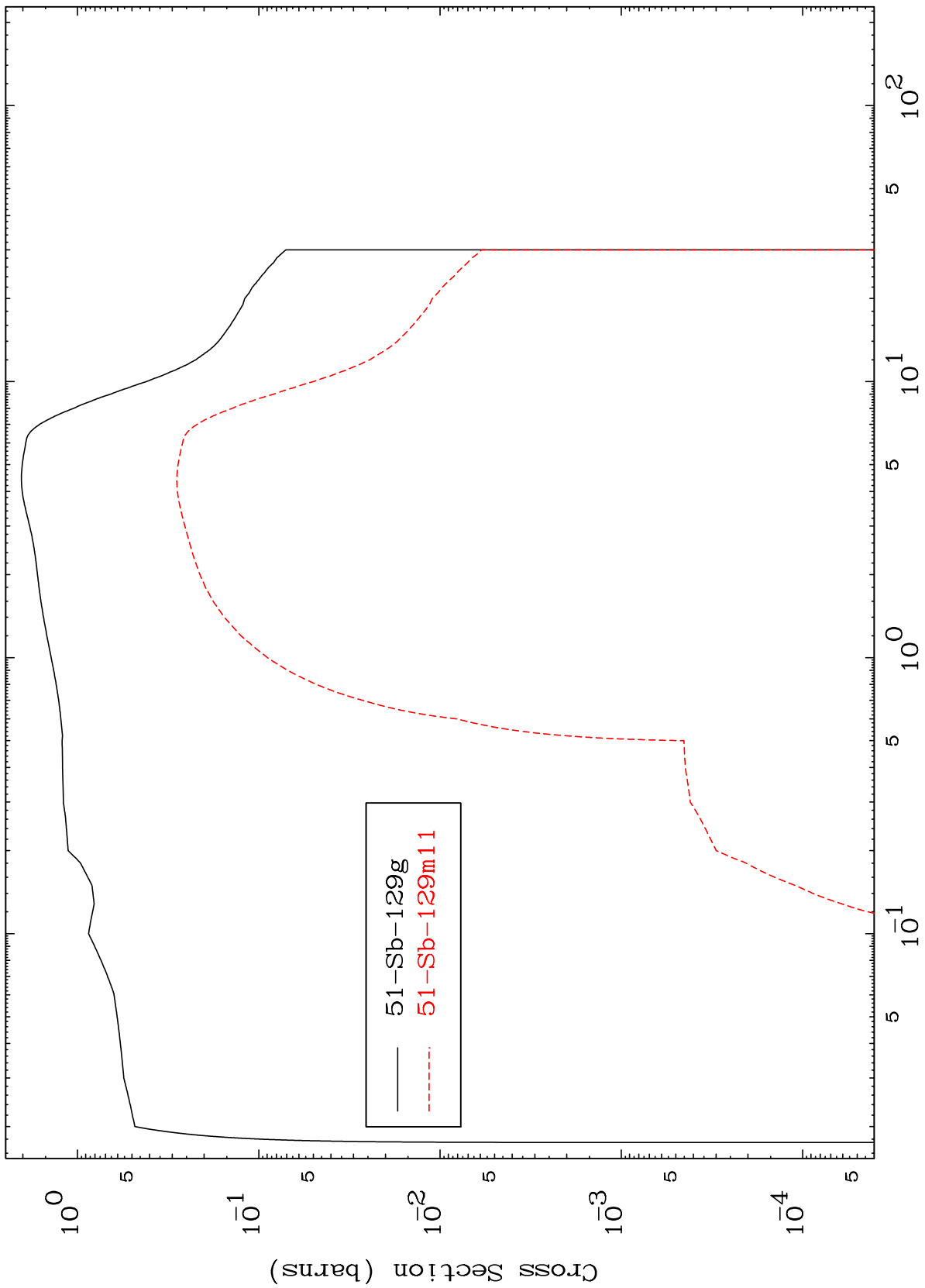


18

Incident Energy (MeV)

51-Sb-129

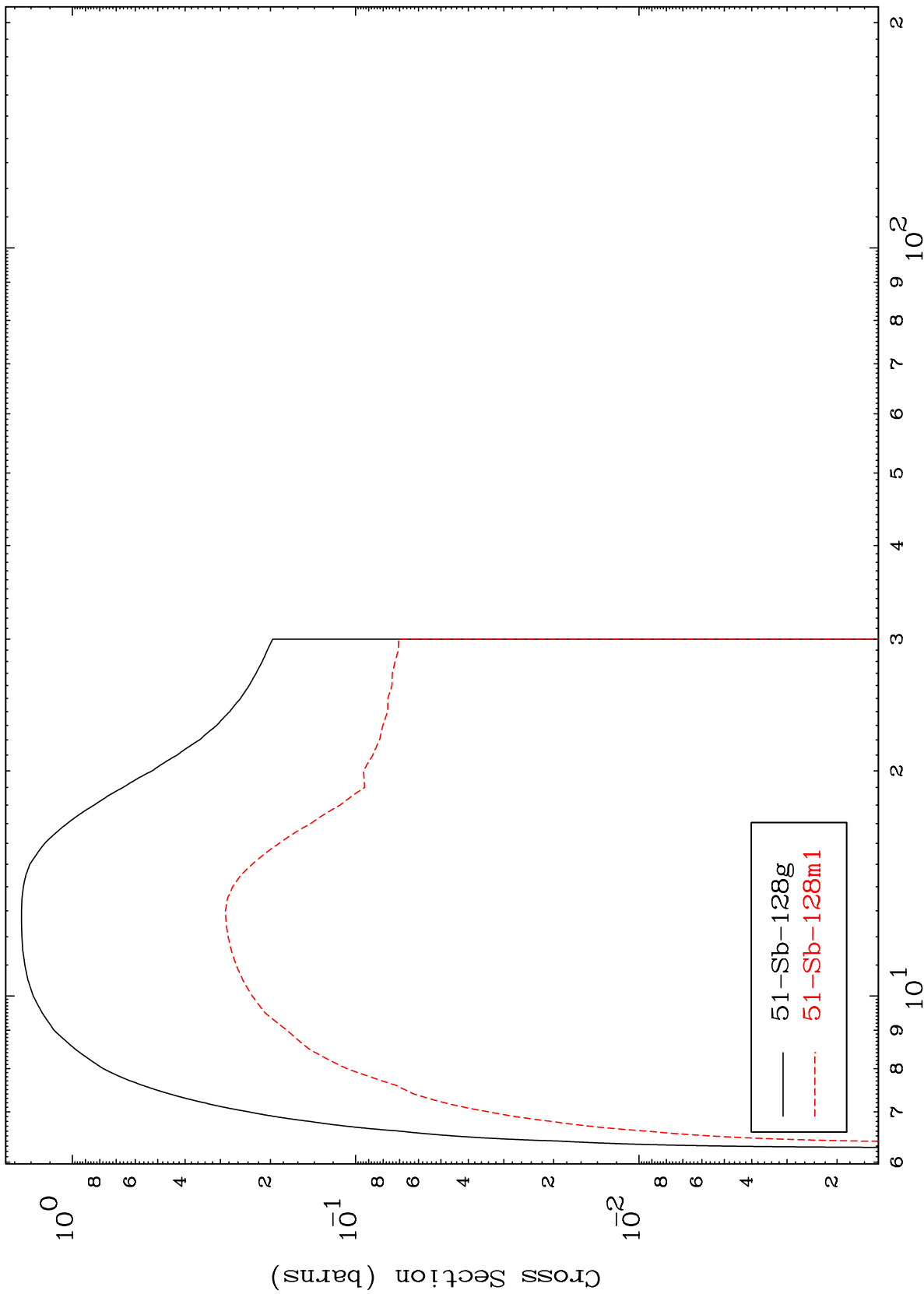
Inelastic
Radionuclide Production Cross Section



MAT 5150

51-Sb-129

(n,2n)
Radionuclide Production Cross Section



51-Sb-129

Incident Energy (MeV)

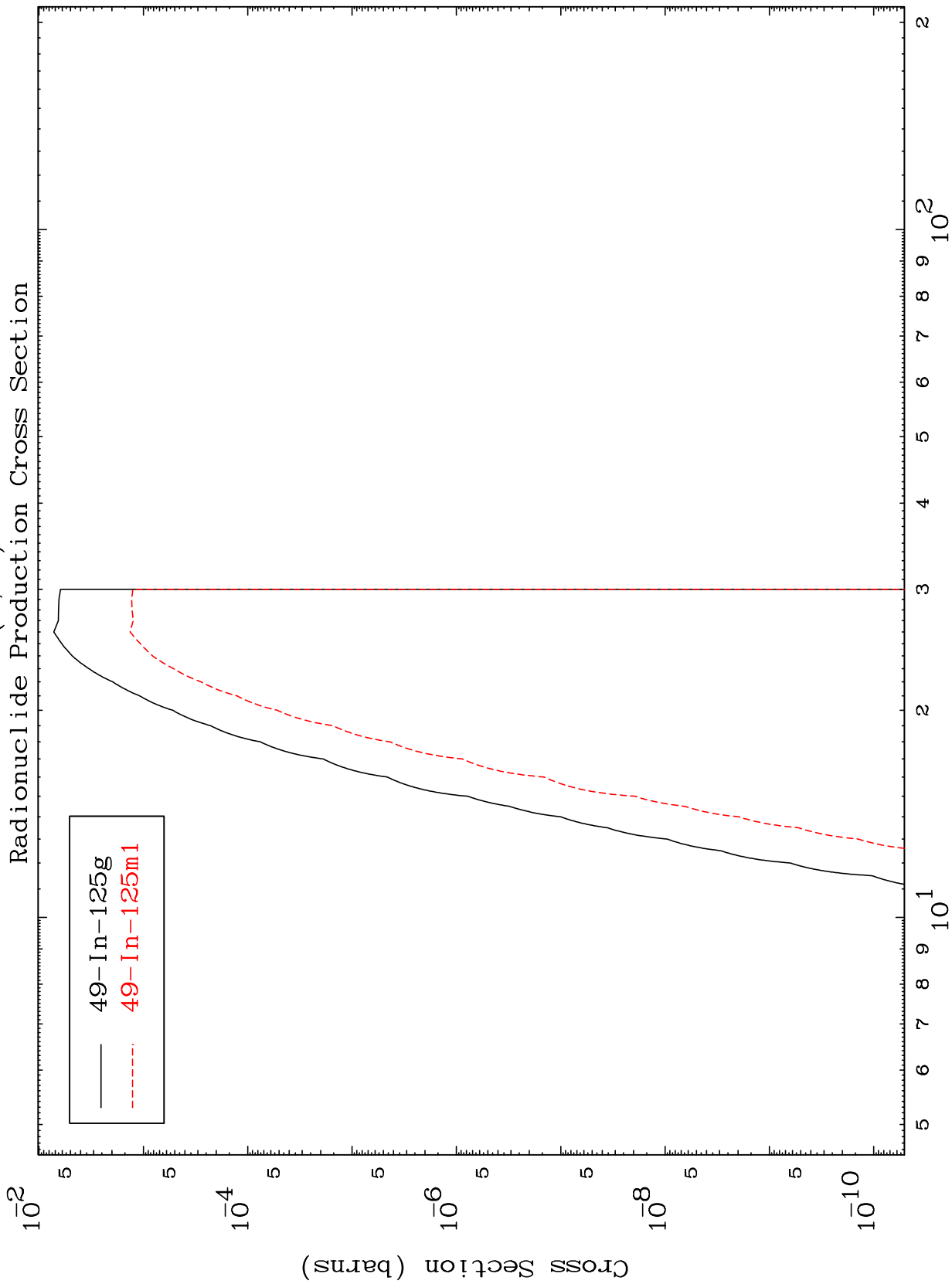
20

MAT 5150

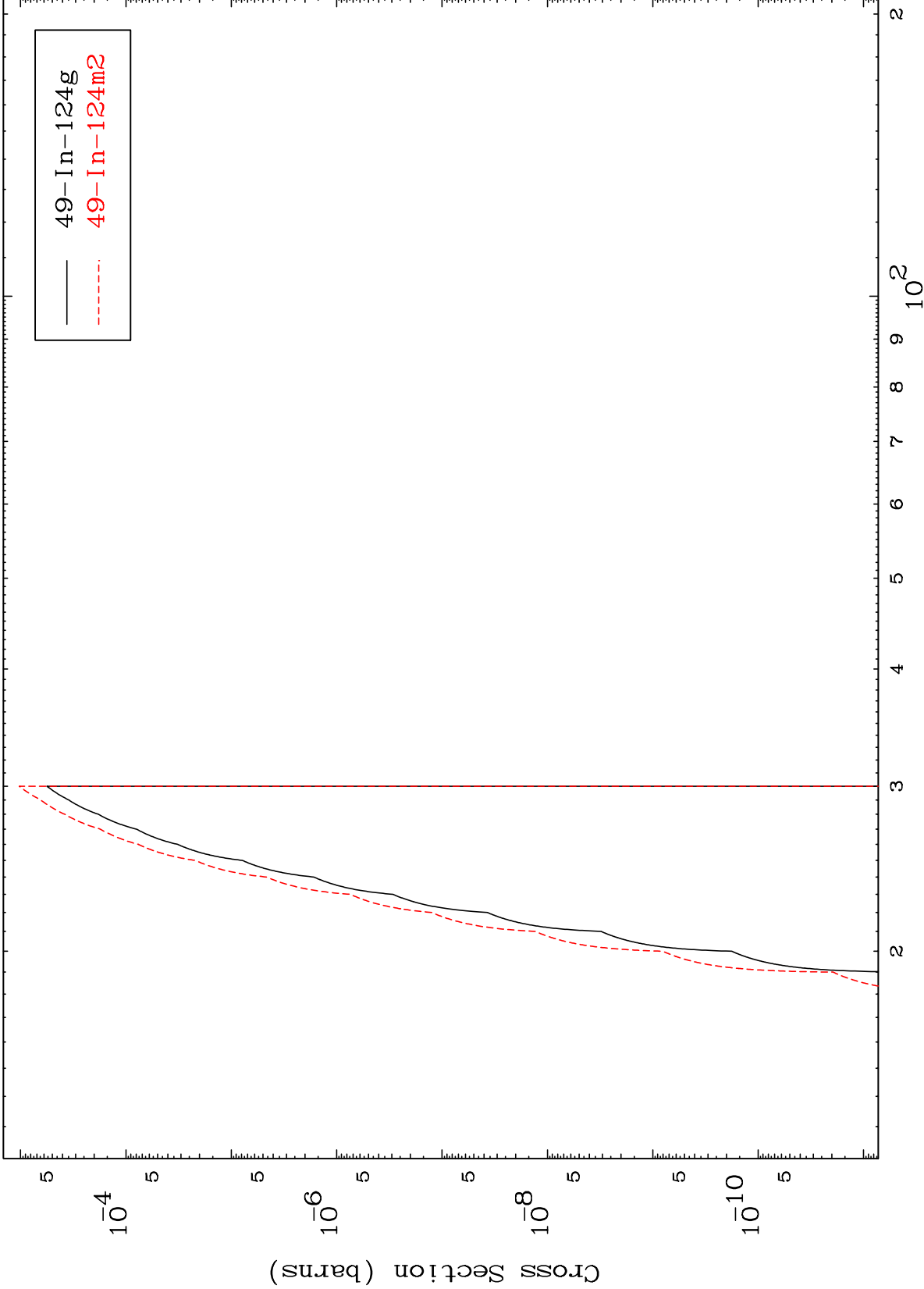
51-Sb-129

(n,n') α

Radionuclide Production Cross Section

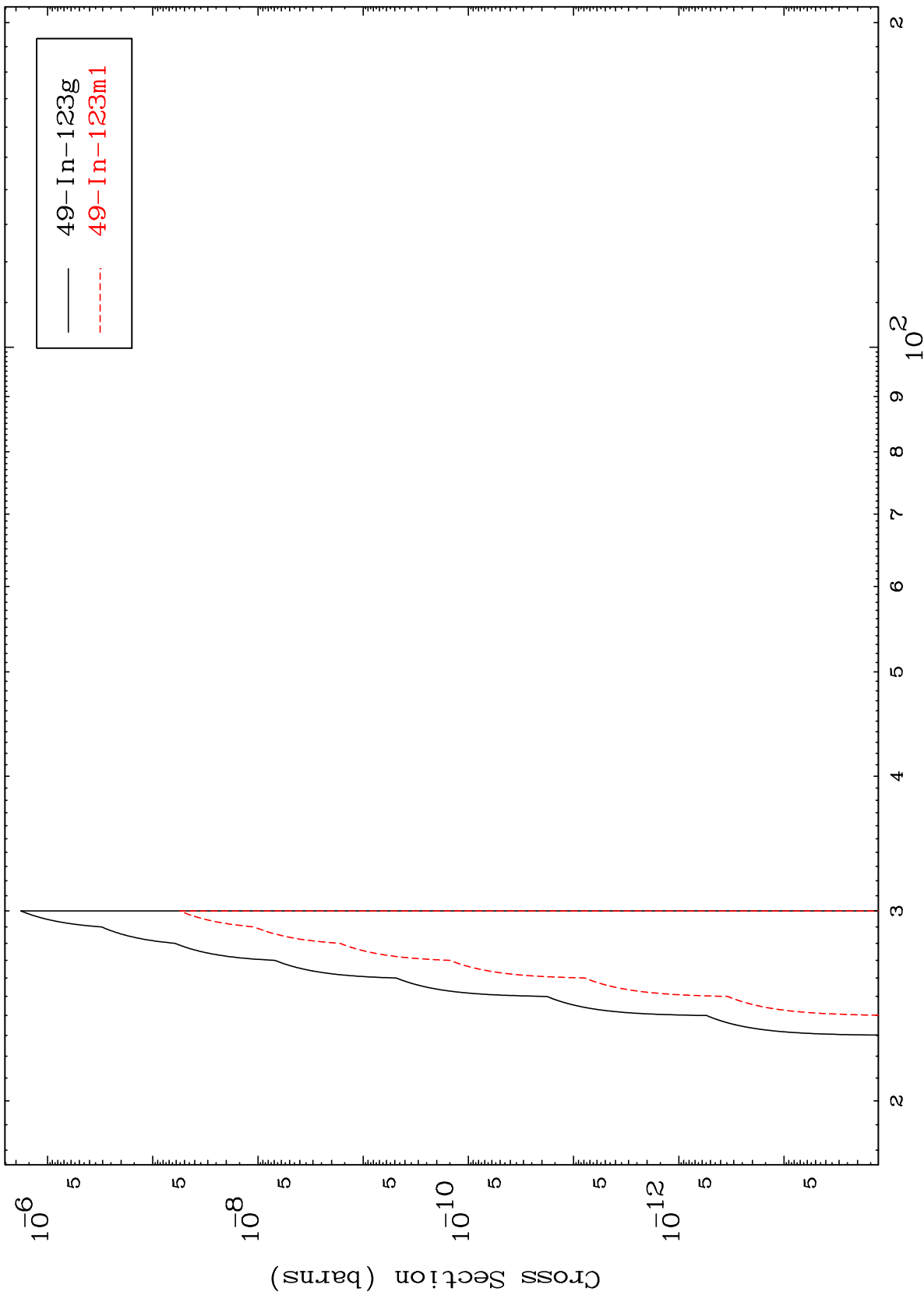


Radionuclide Production Cross Section



49-In-124g
49-In-124m2

Radionuclide Production Cross Section



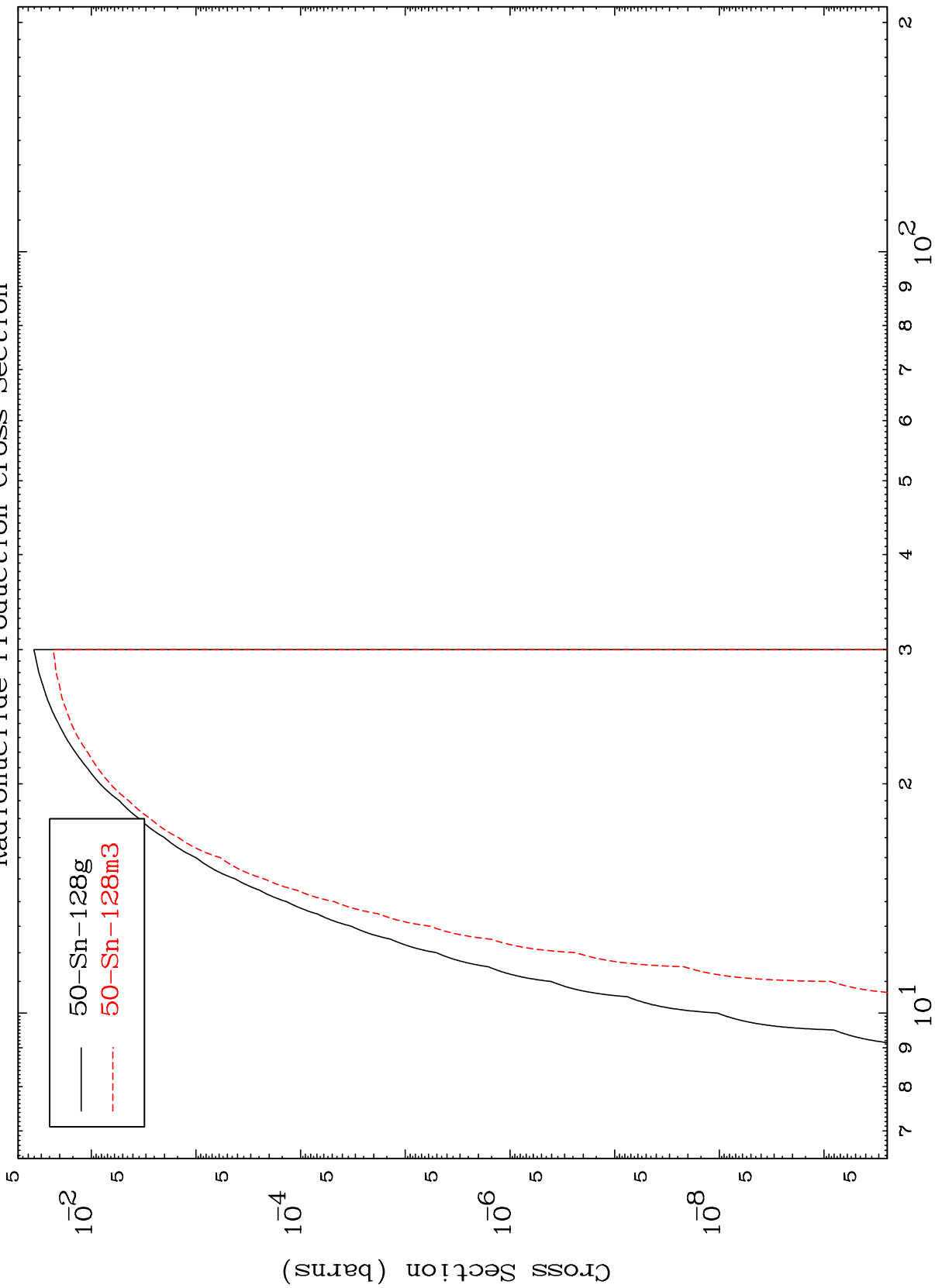
49-In-123g
49-In-123m1

MAT 5150

(n,n') p

51-Sb-129

Radionuclide Production Cross Section



24

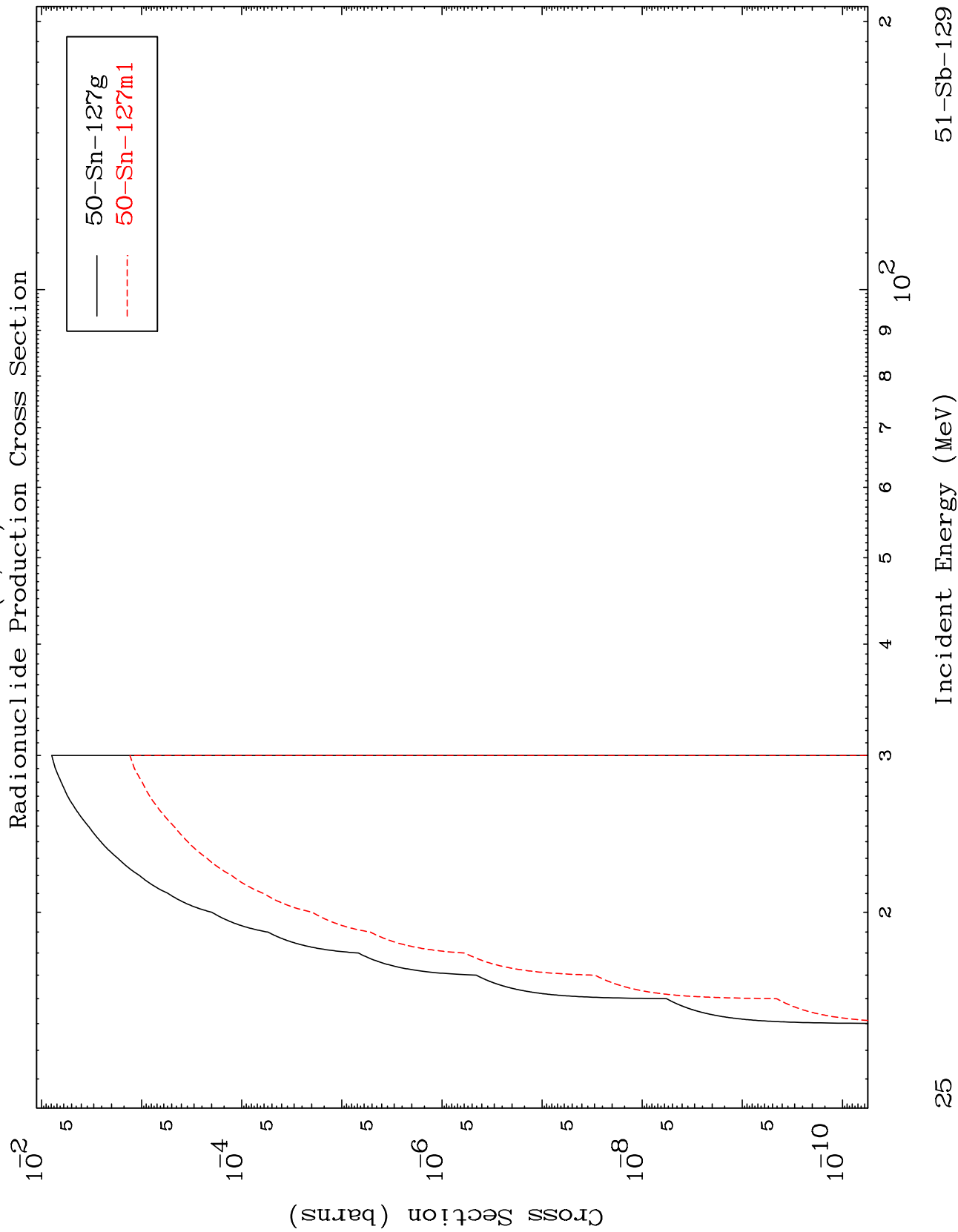
Incident Energy (MeV)

51-Sb-129

MAT 5150

(n,n') d

51-Sb-129



25

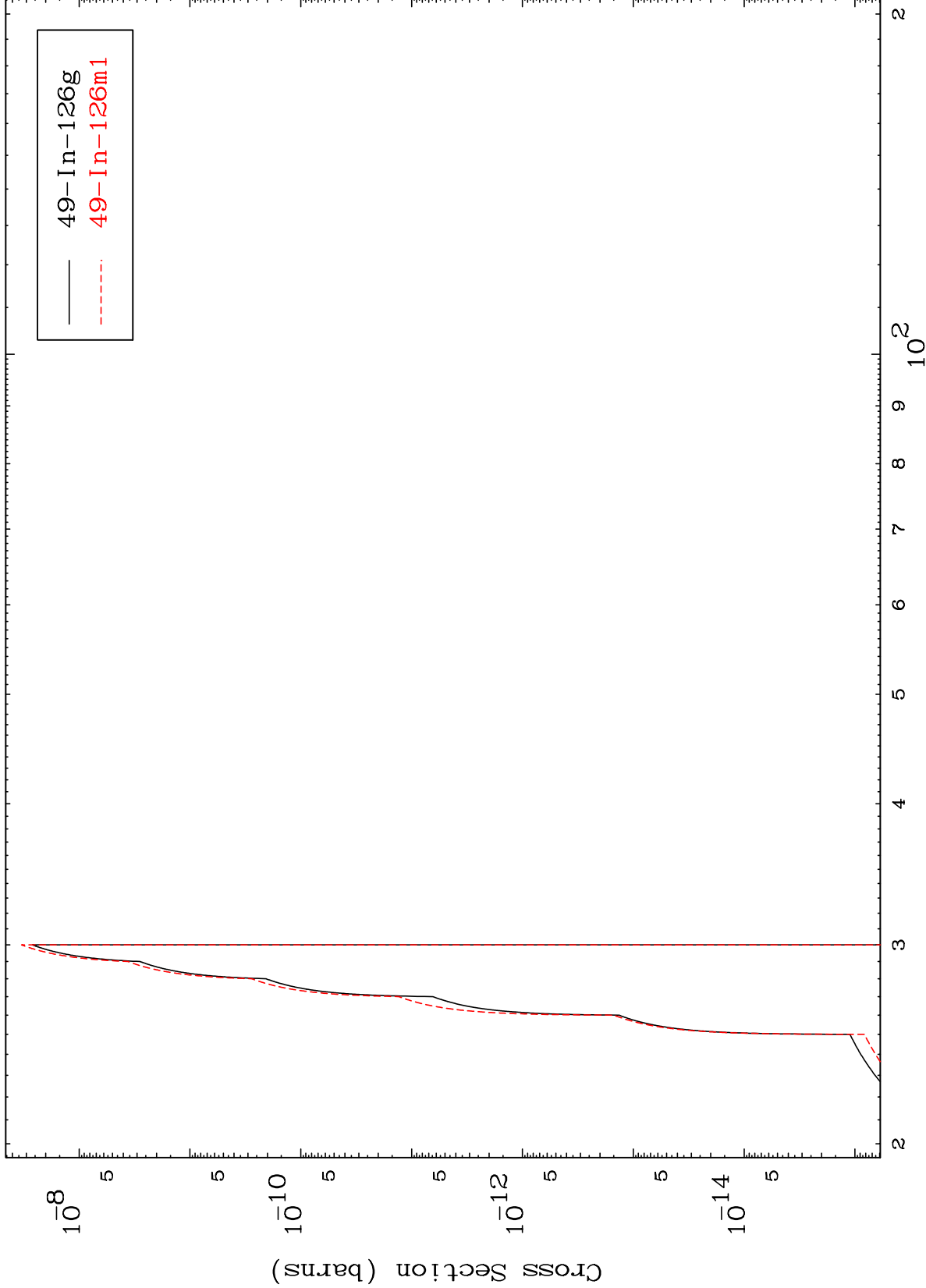
51-Sb-129

MAT 5150

(n,n') He-3

51-Sb-129

Radionuclide Production Cross Section



26

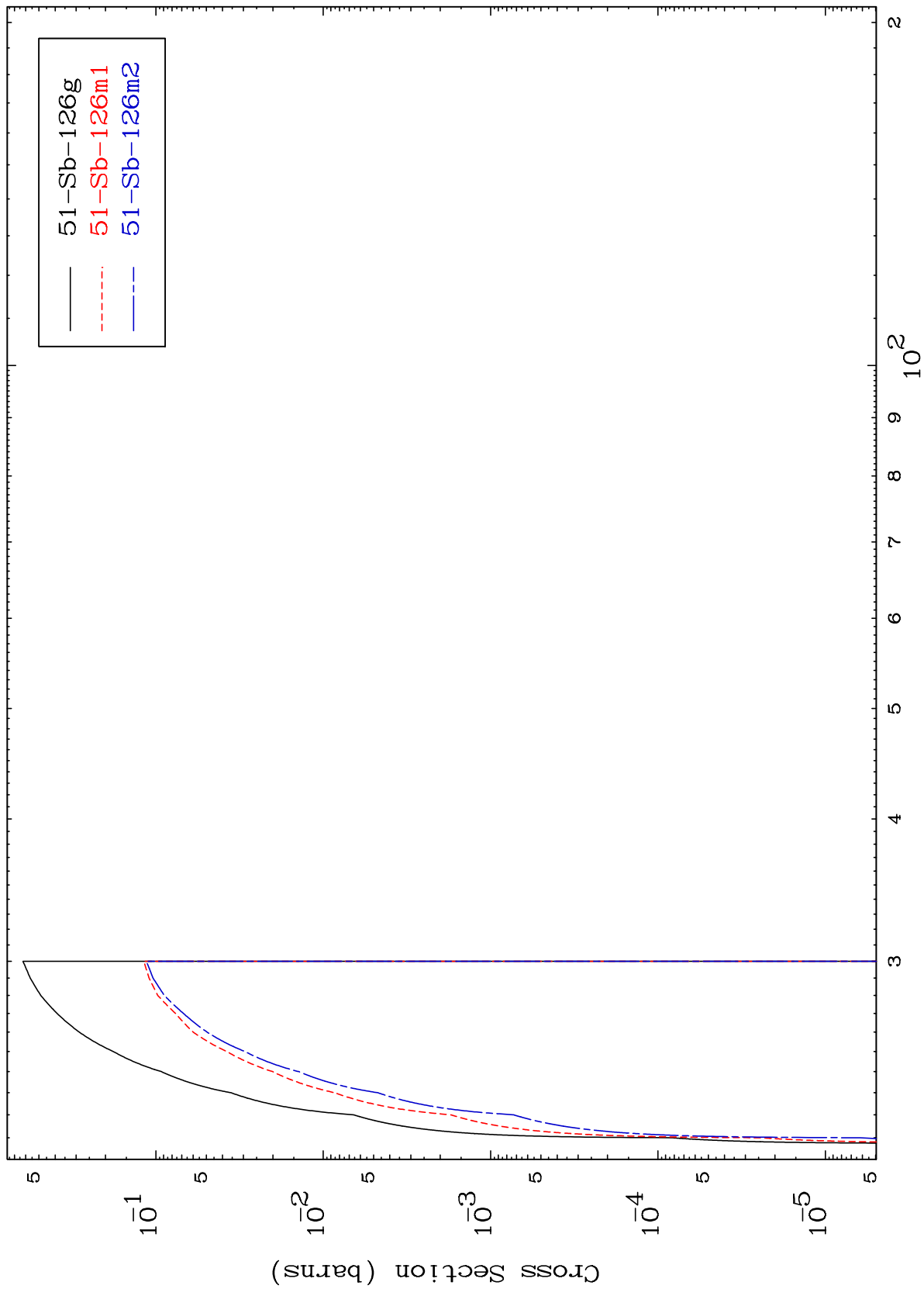
Incident Energy (MeV)

51-Sb-129

MAT 5150

51-Sb-129

(n,4n)
Radionuclide Production Cross Section

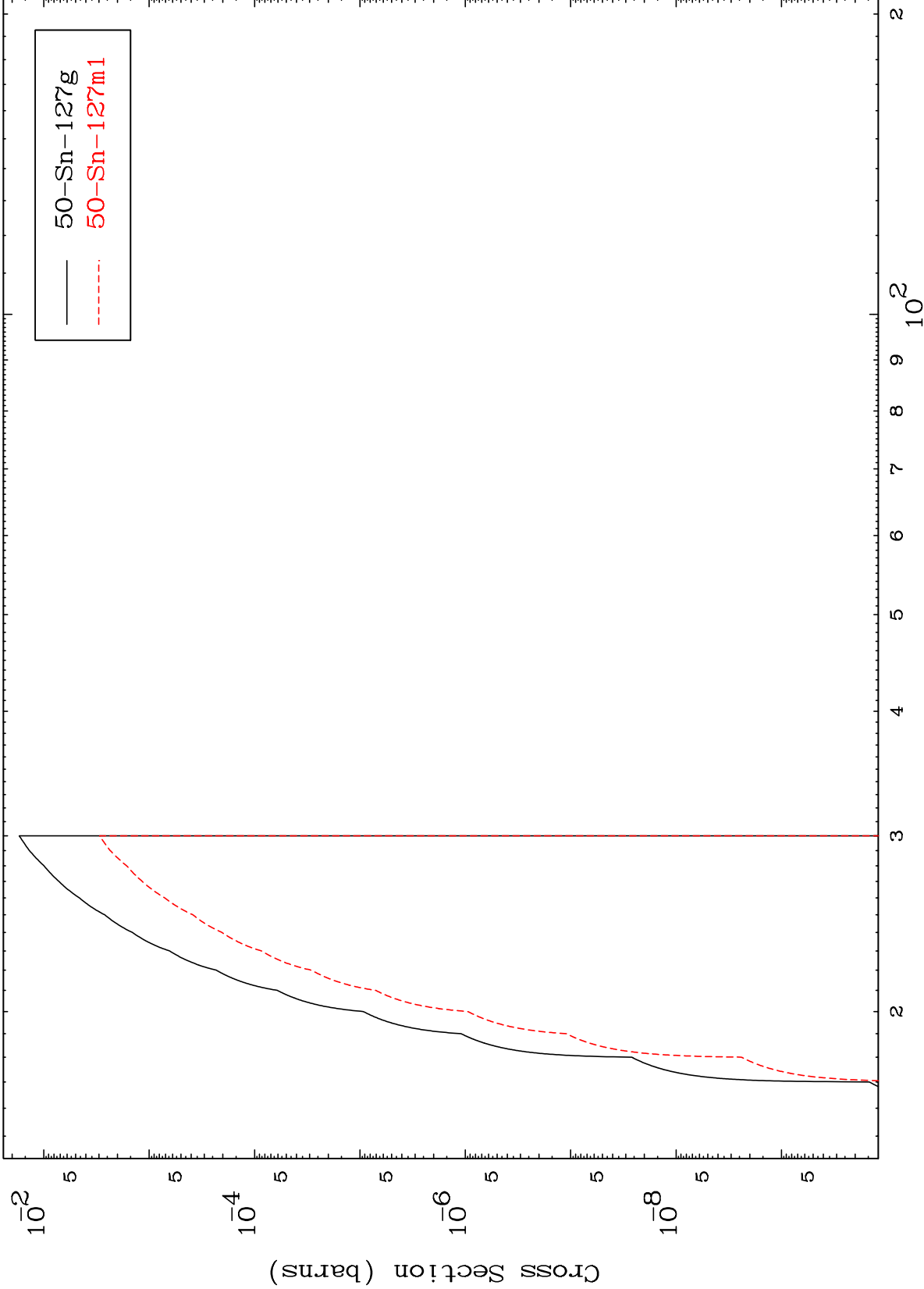


51-Sb-129

Incident Energy (MeV)

27

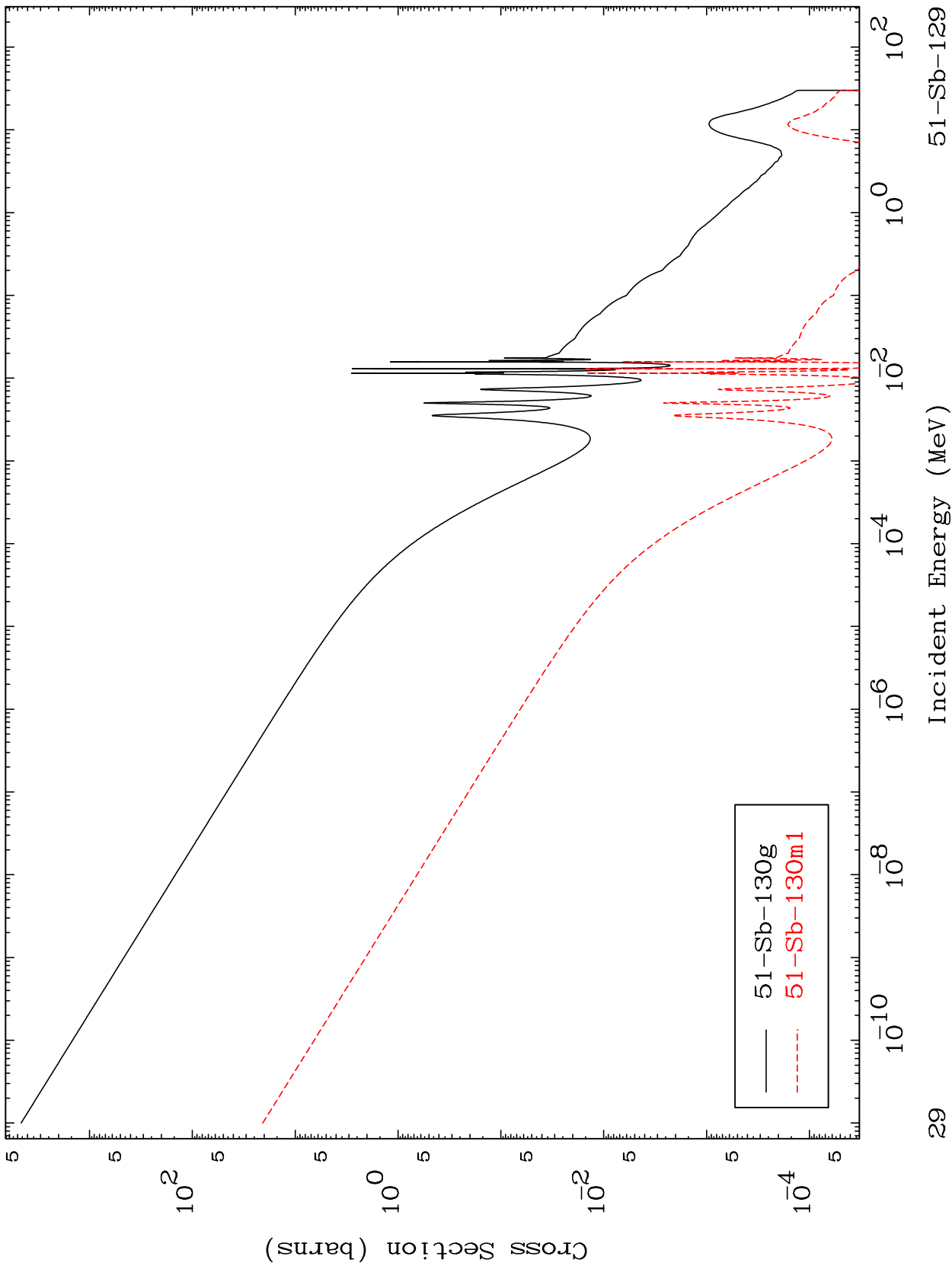
Radionuclide Production Cross Section



MAT 5150

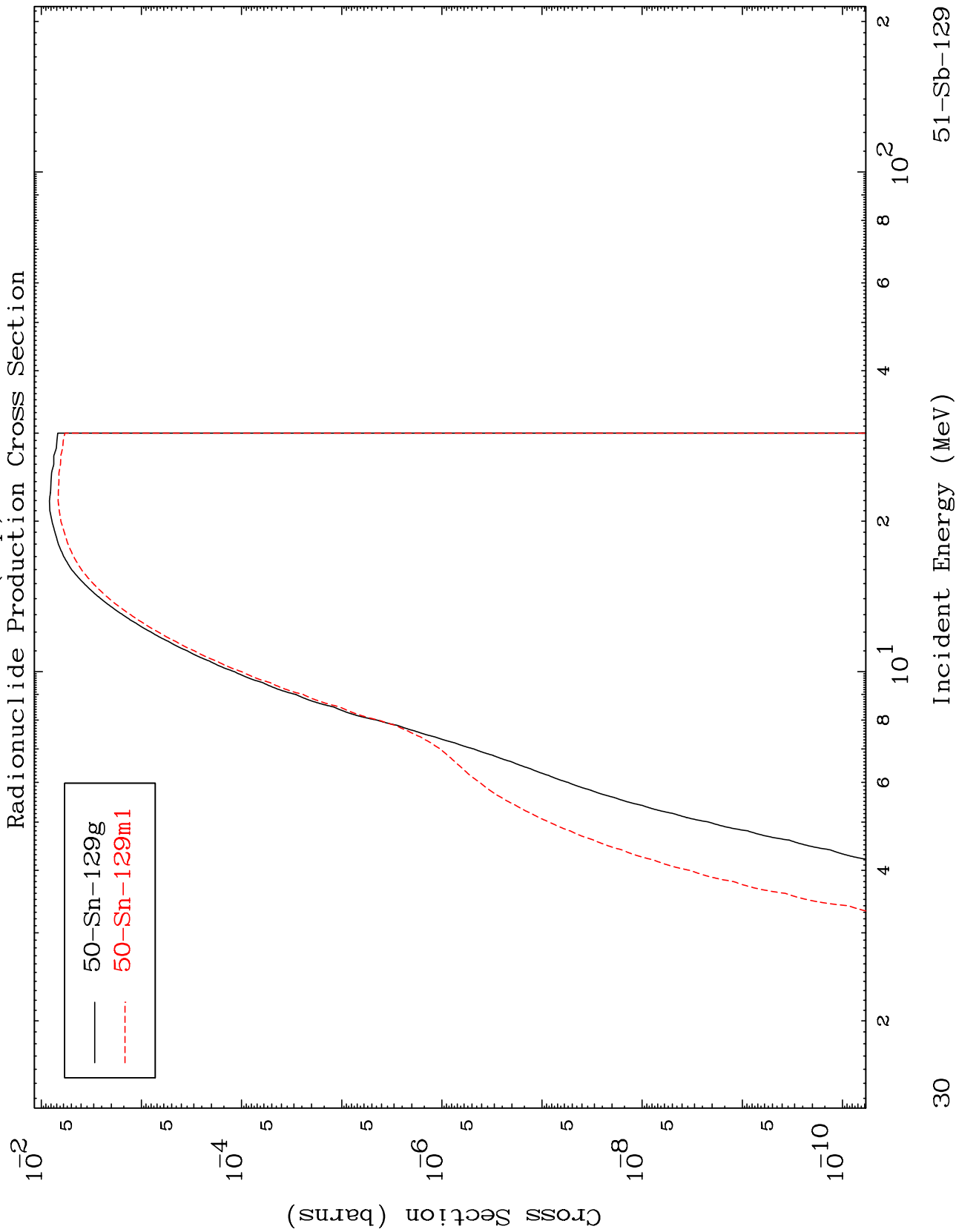
51-Sb-129

(n, γ)
Radionuclide Production Cross Section



MAT 5150

51-Sb-129



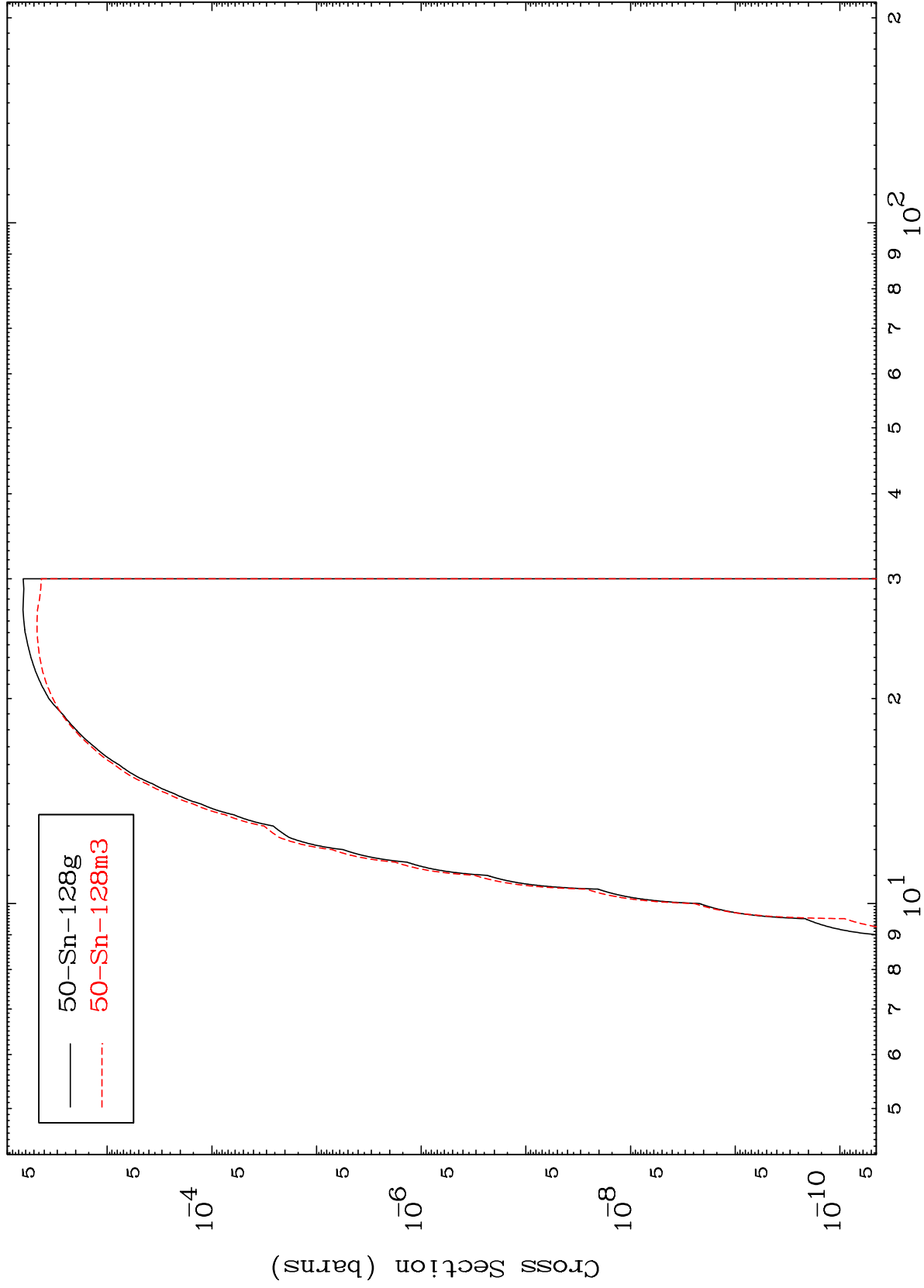
— 50-Sn-129g
- - - 50-Sn-129m1

MAT 5150

(n,d)

51-Sb-129

Radionuclide Production Cross Section



31

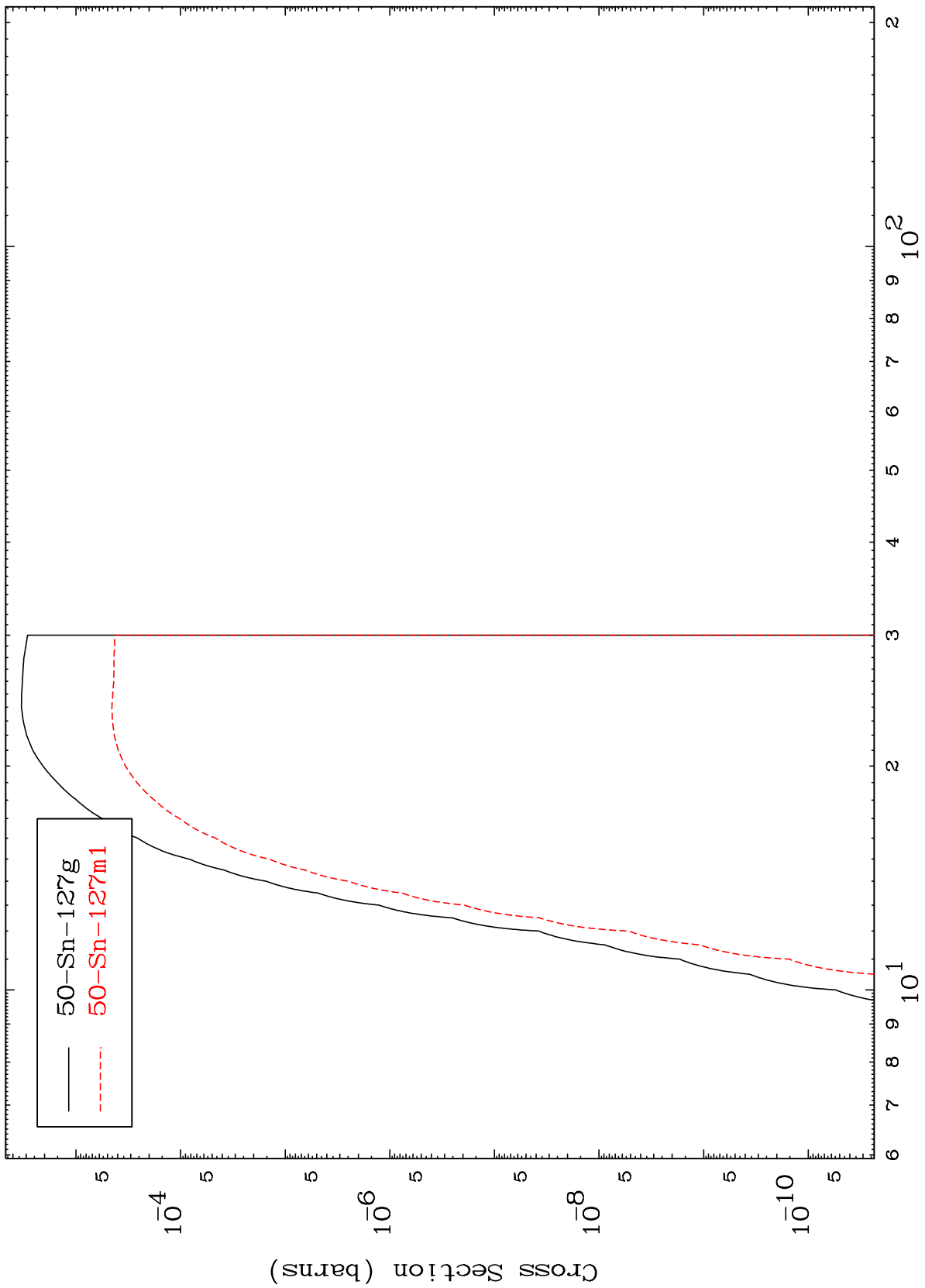
Incident Energy (MeV)

51-Sb-129

MAT 5150

51-Sb-129

(n, t)
Radionuclide Production Cross Section

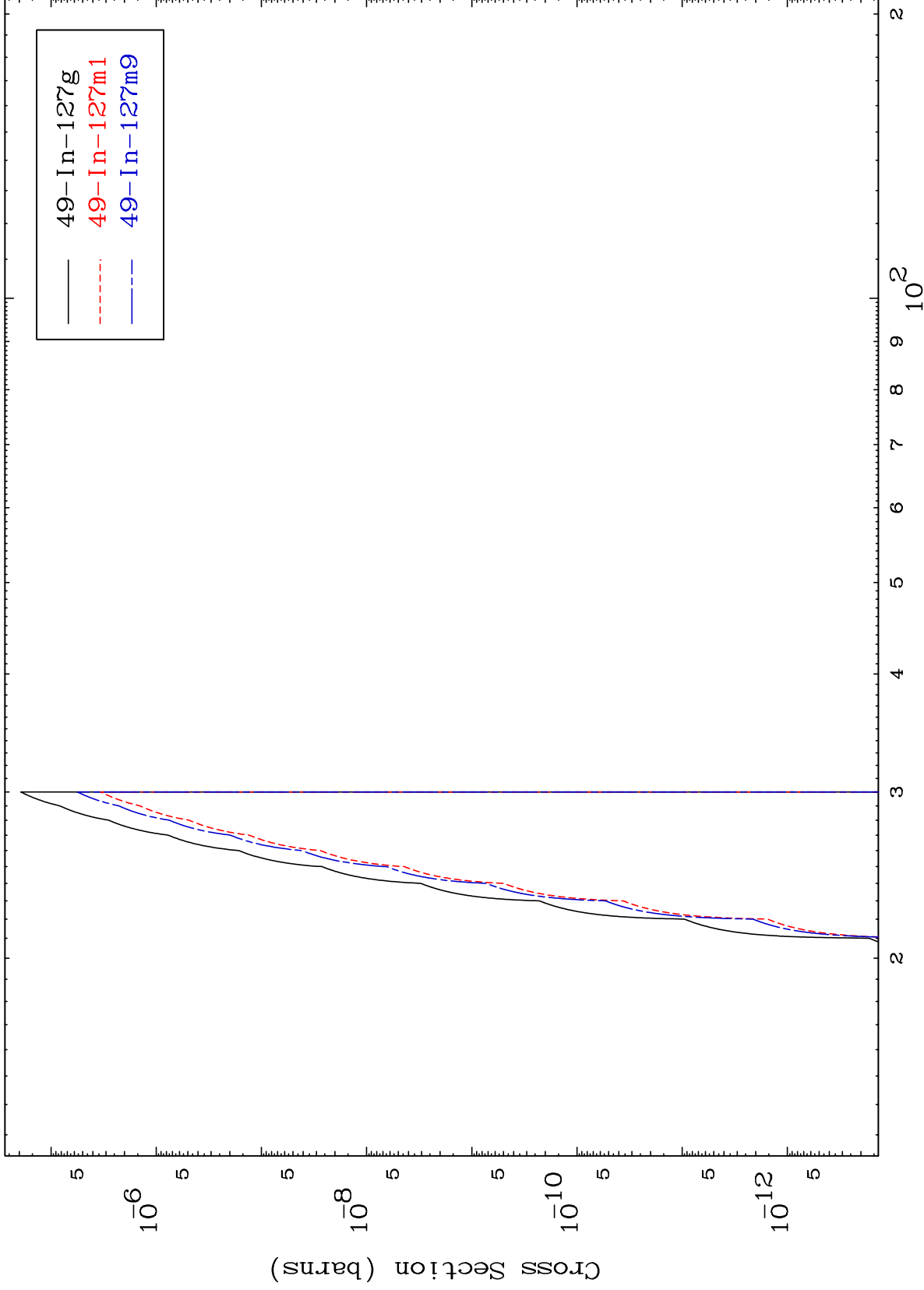


32

51-Sb-129

Incident Energy (MeV)

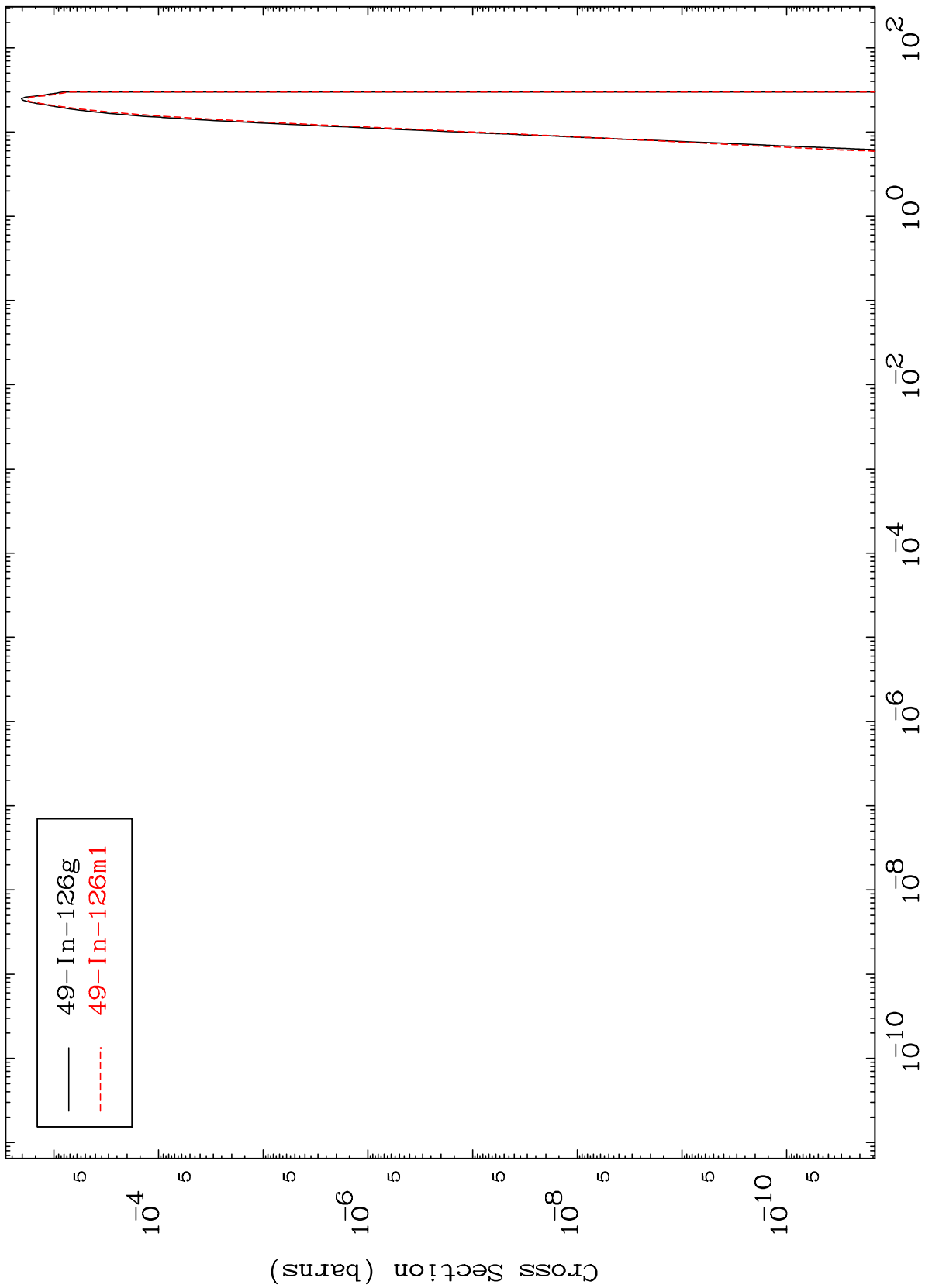
Radionuclide Production Cross Section



MAT 5150

51-Sb-129

Radionuclide Production Cross Section



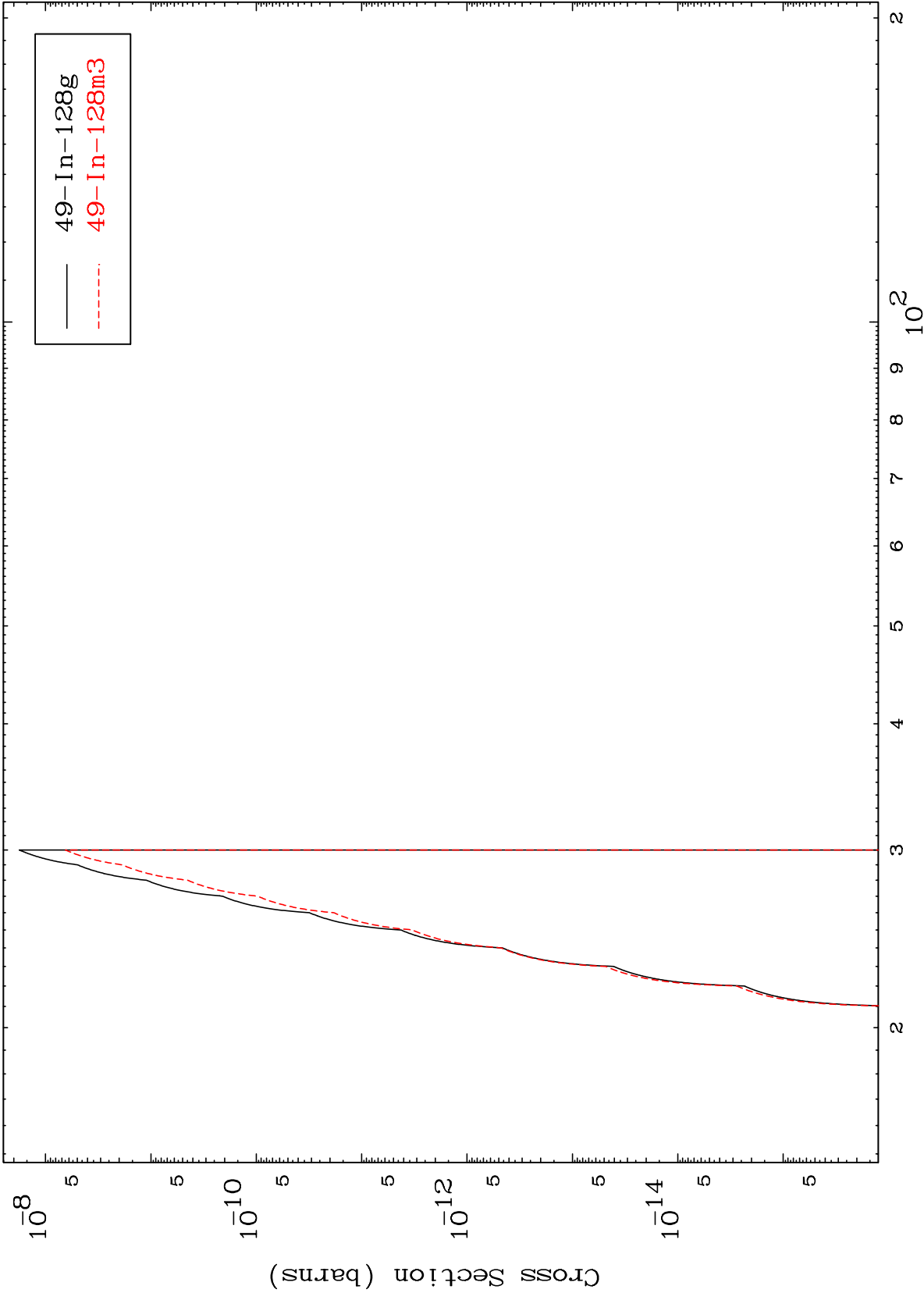
Incident Energy (MeV)

51-Sb-129

MAT 5150

51-Sb-129

(n,2p)
Radionuclide Production Cross Section



35

51-Sb-129

Incident Energy (MeV)