

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

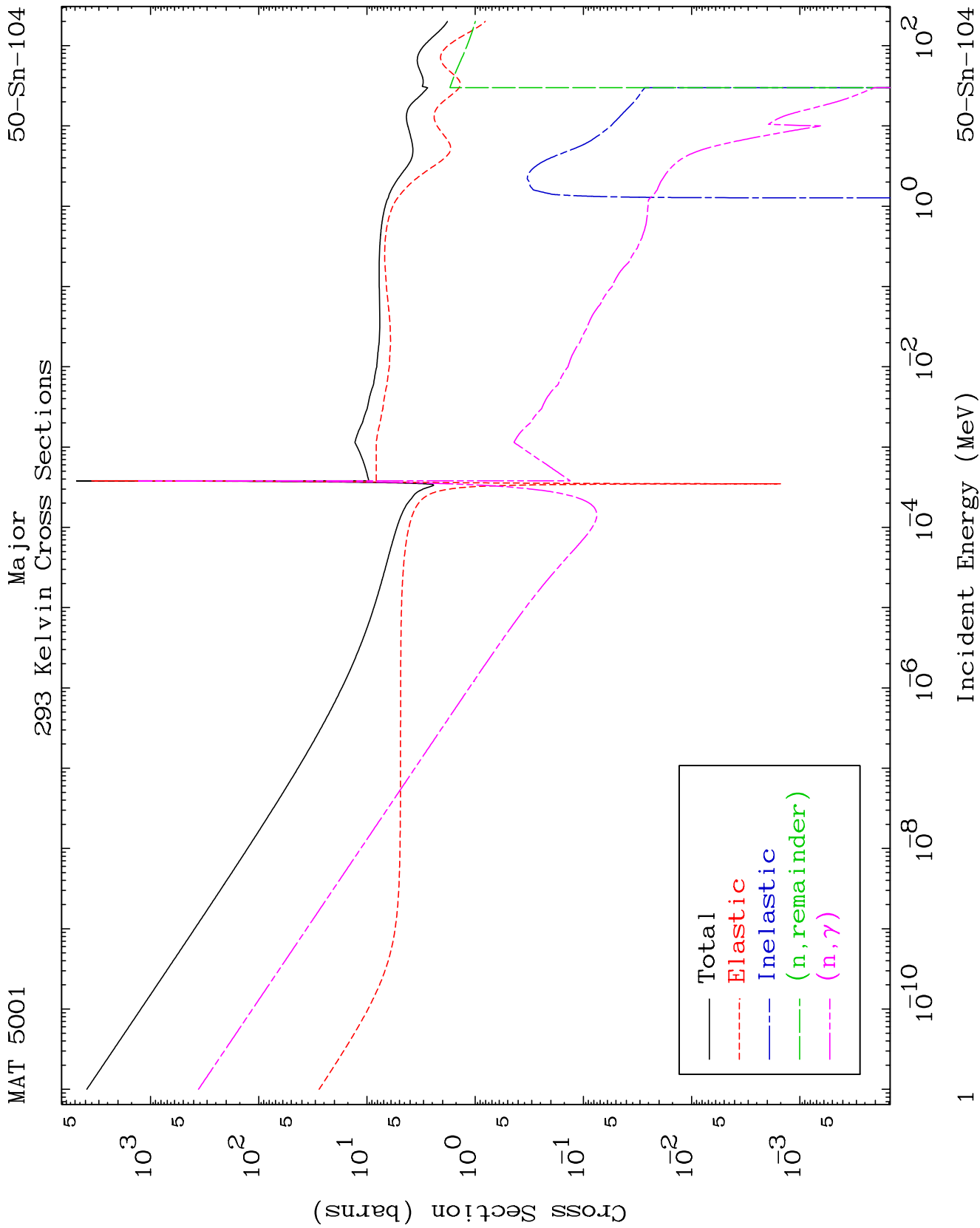
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Web:redcullen1.net/HOMEPAGE.NEW

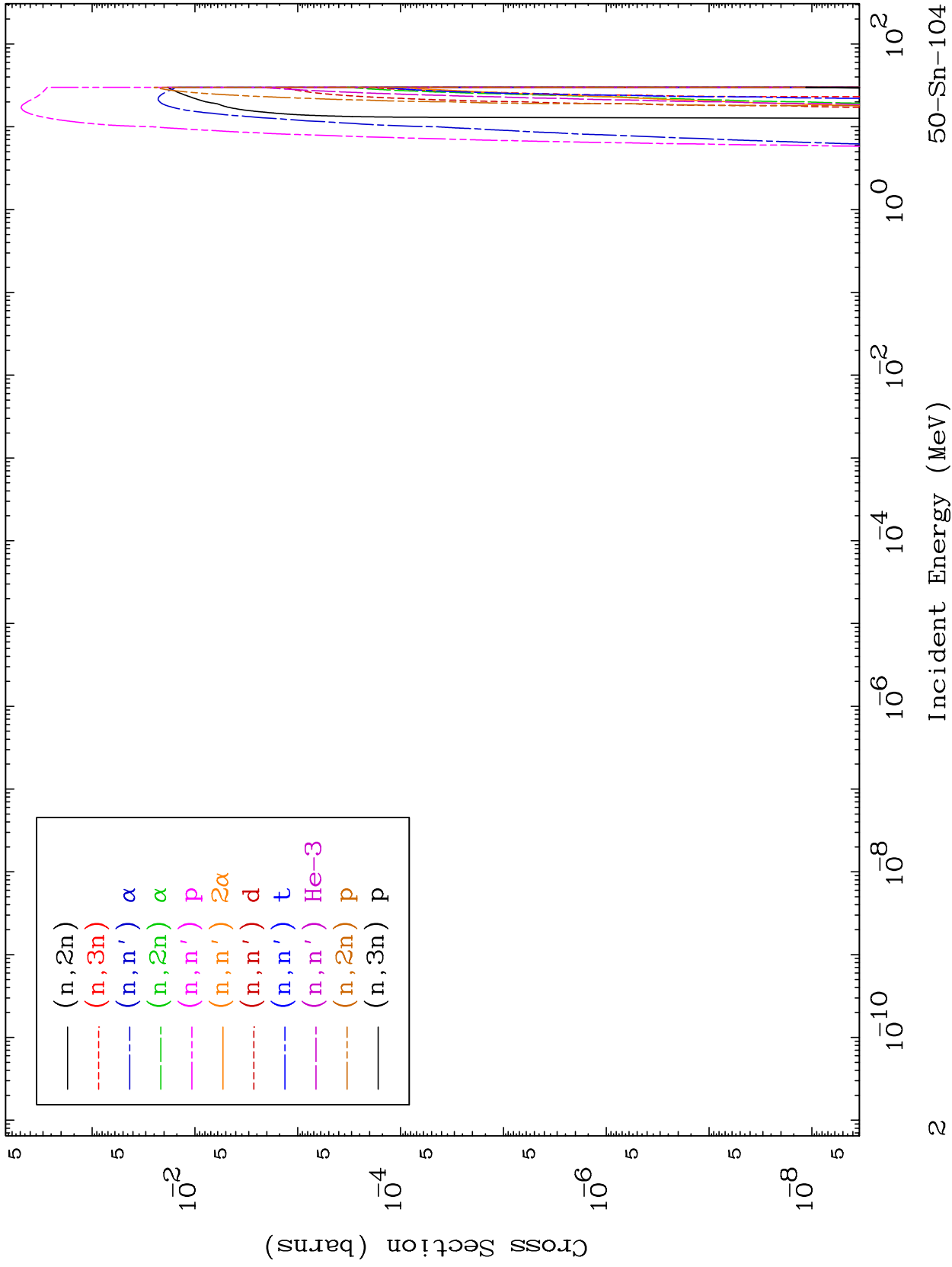
Press Mouse Button to Start

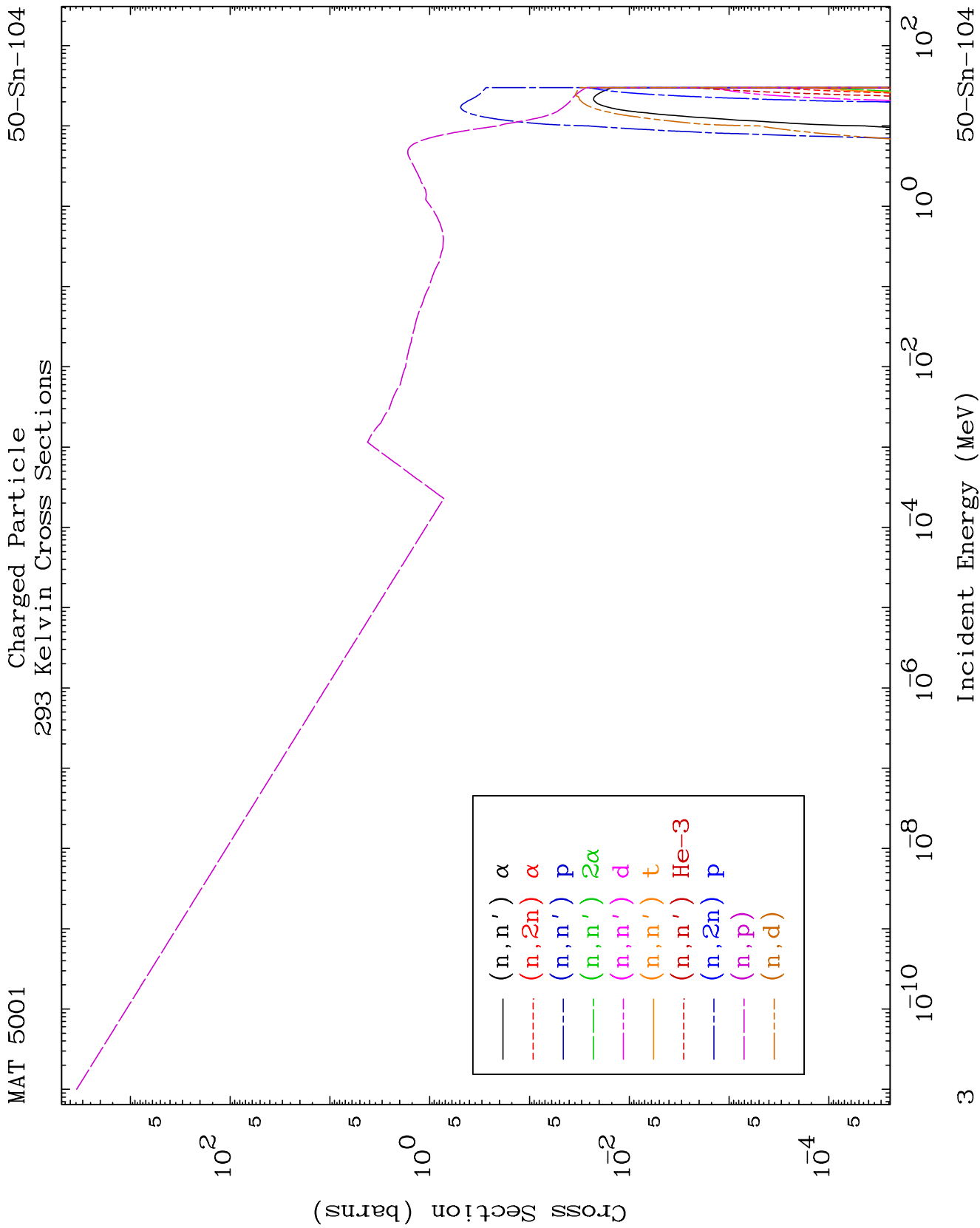


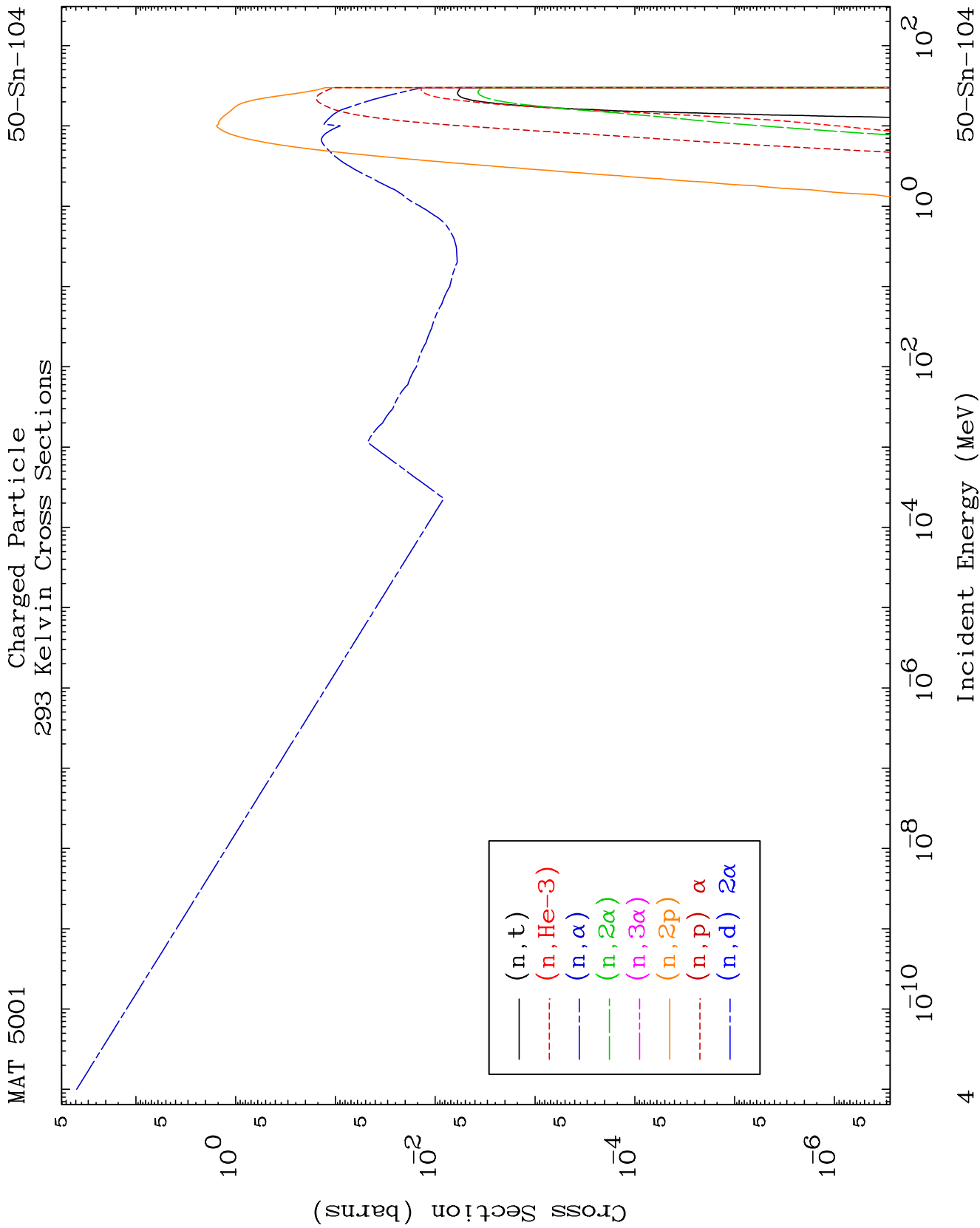
MAT 5001

Neutron Production
293 Kelvin Cross Sections

50-Sn-104



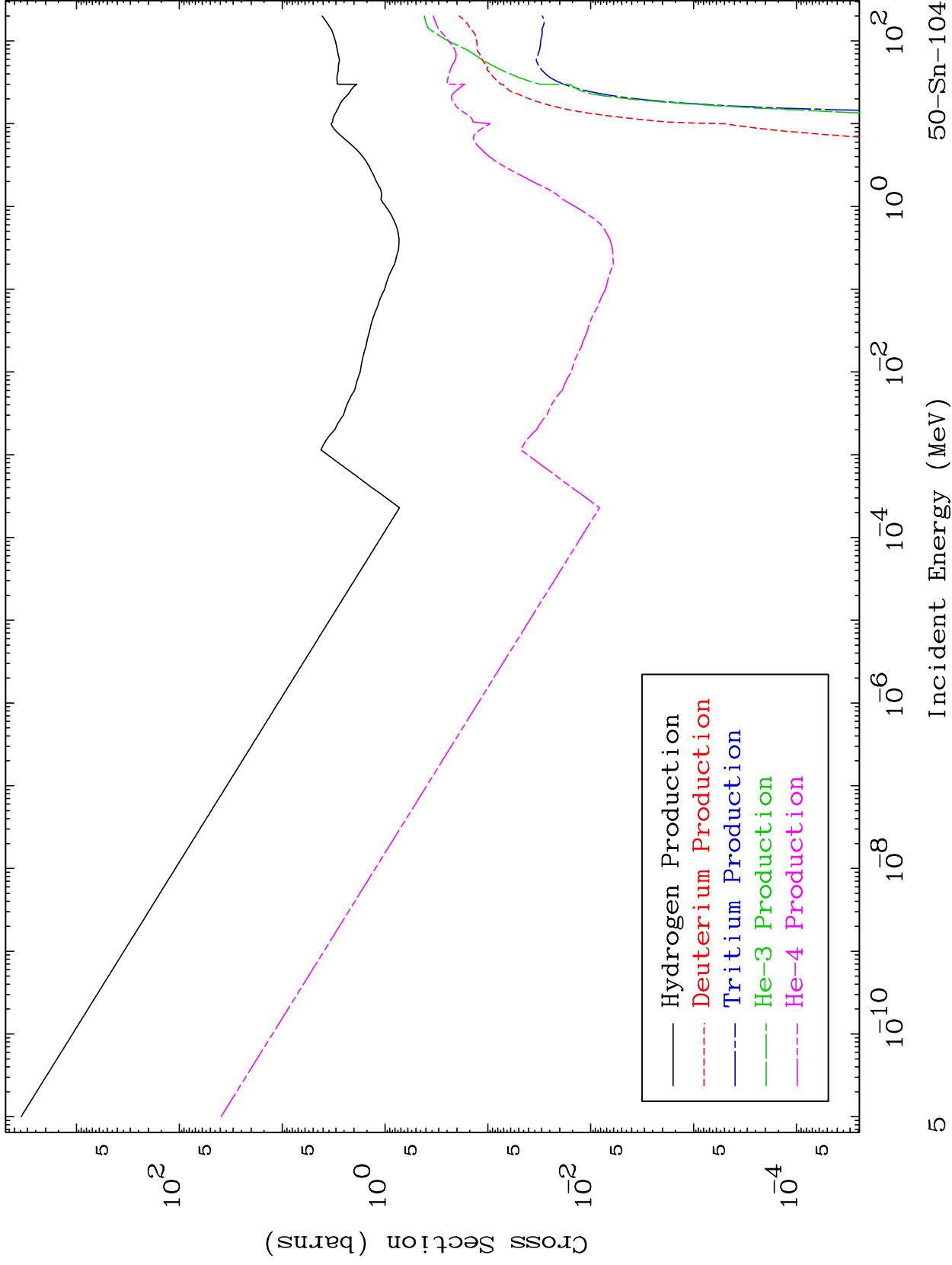


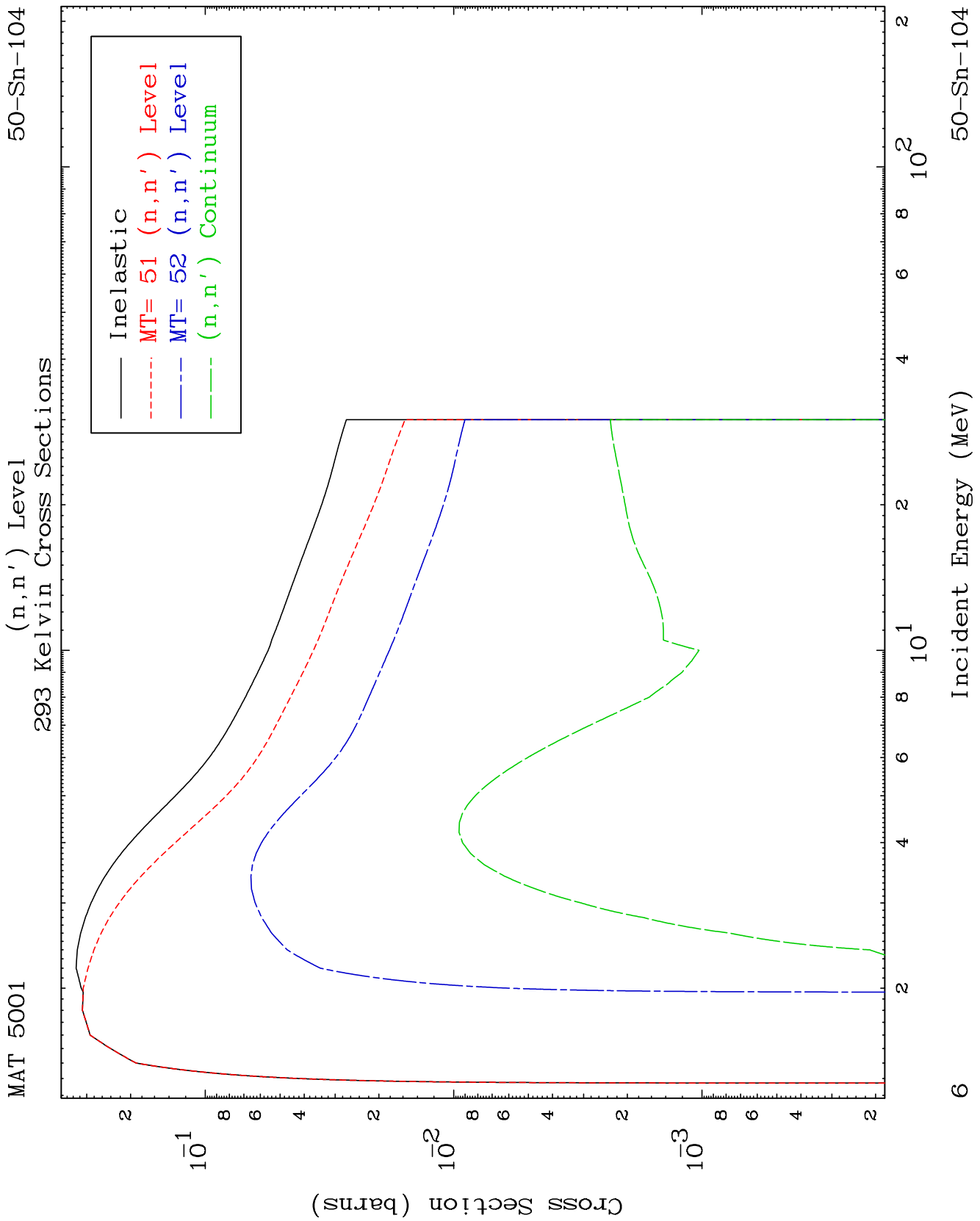


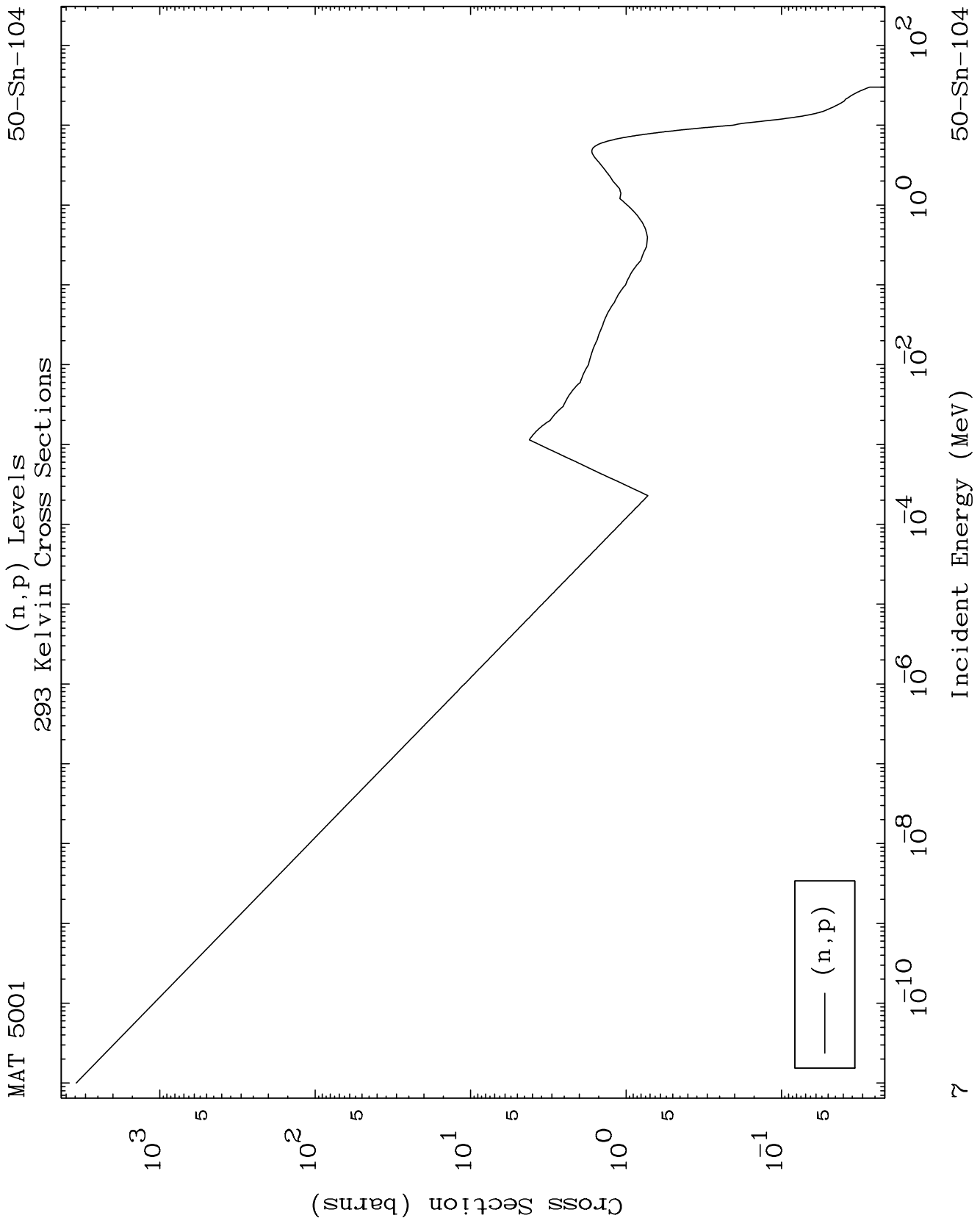
MAT 5001

Particle Production
293 Kelvin Cross Sections

50-Sn-104



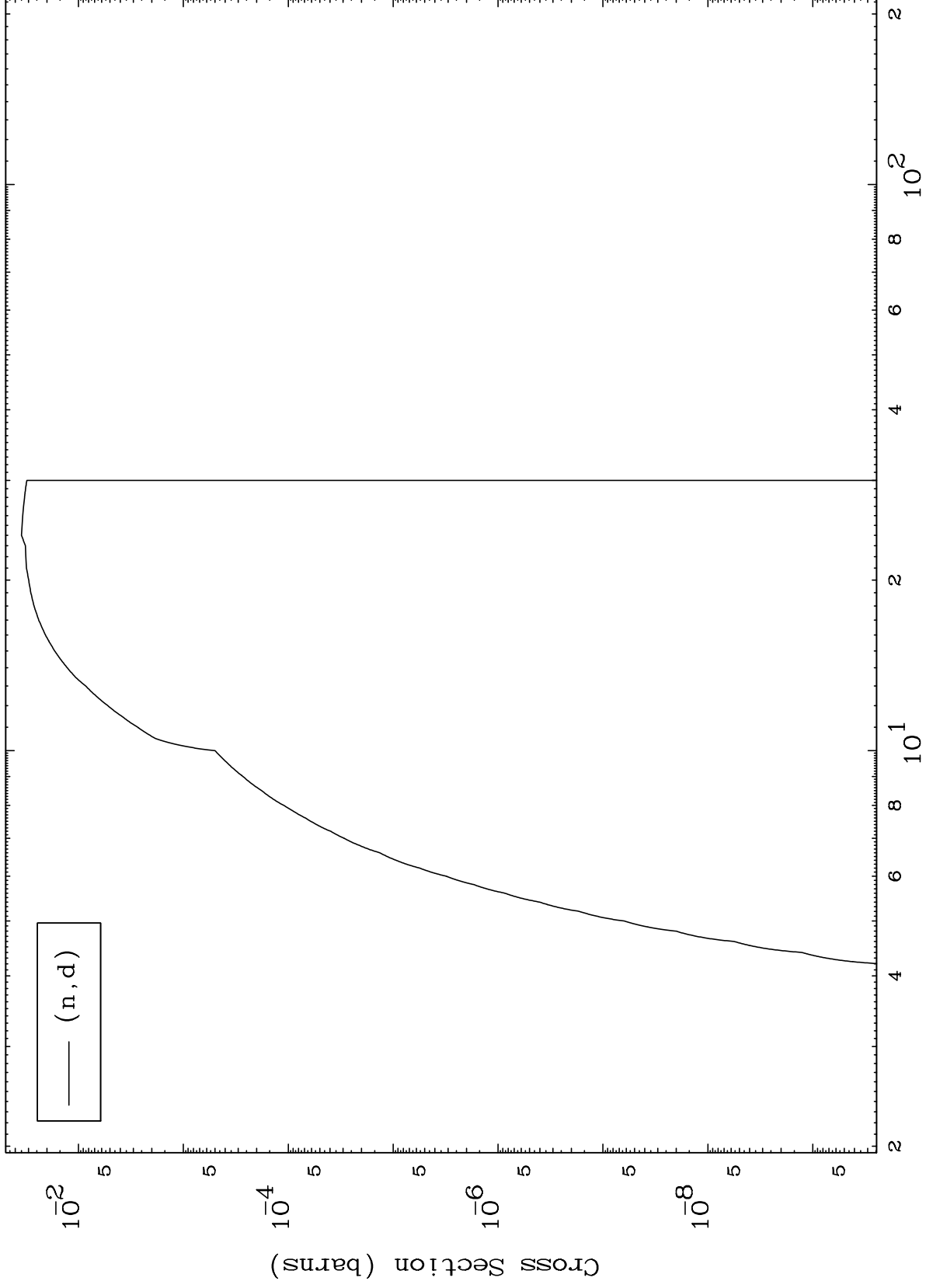




MAT 5001

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-104



8

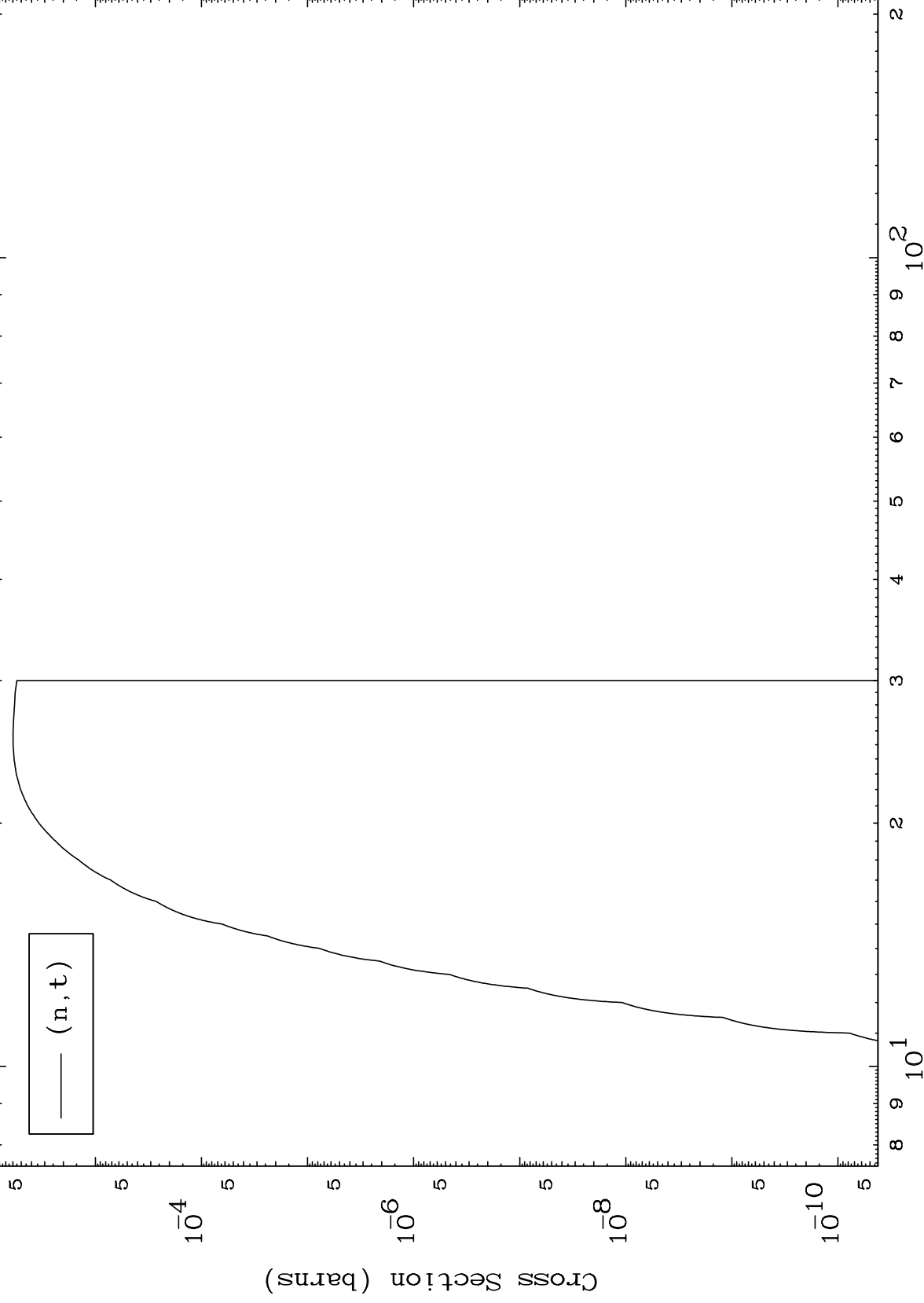
Incident Energy (MeV)

50-Sn-104

MAT 5001

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-104



9

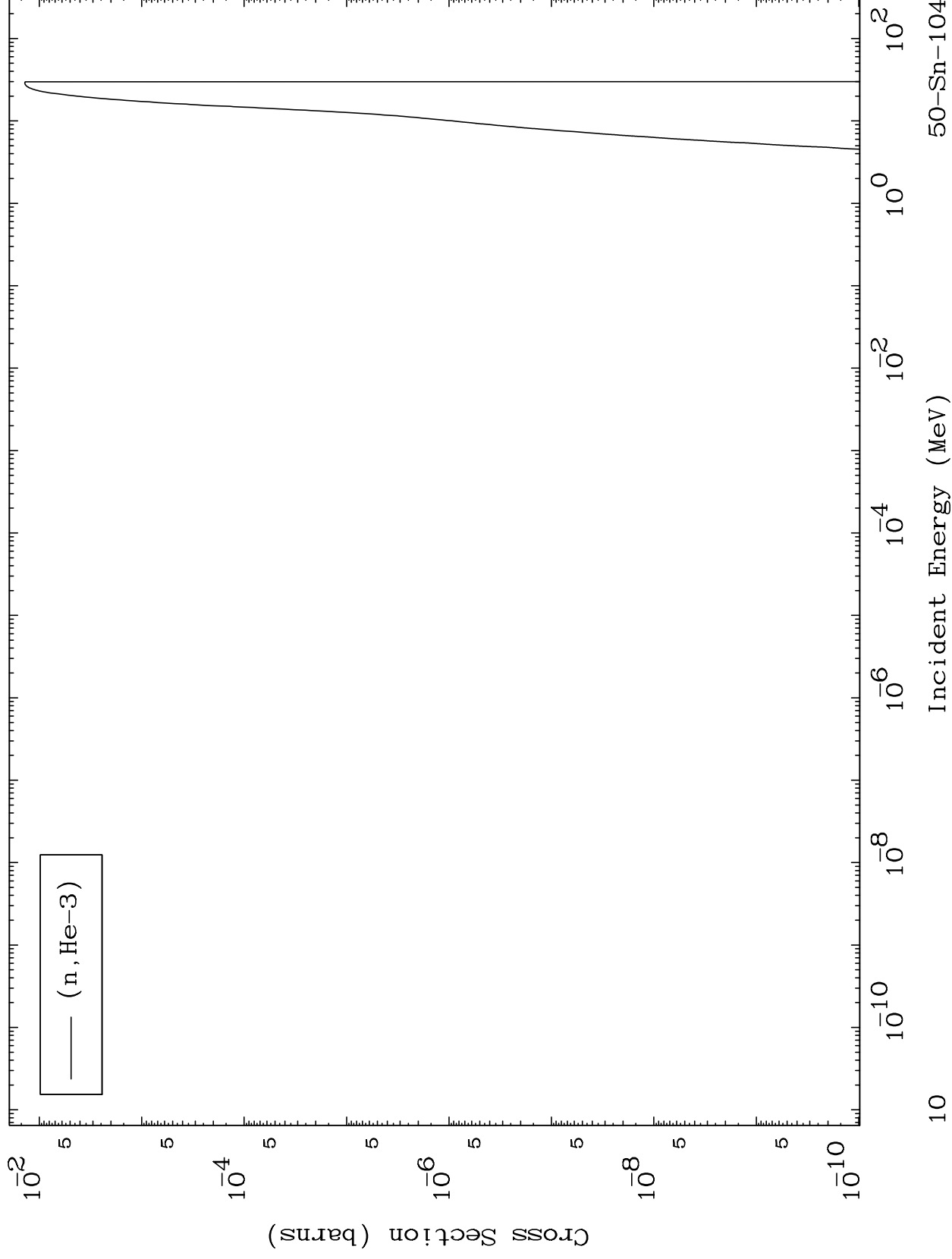
Incident Energy (MeV)

50-Sn-104

MAT 5001

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-104



10

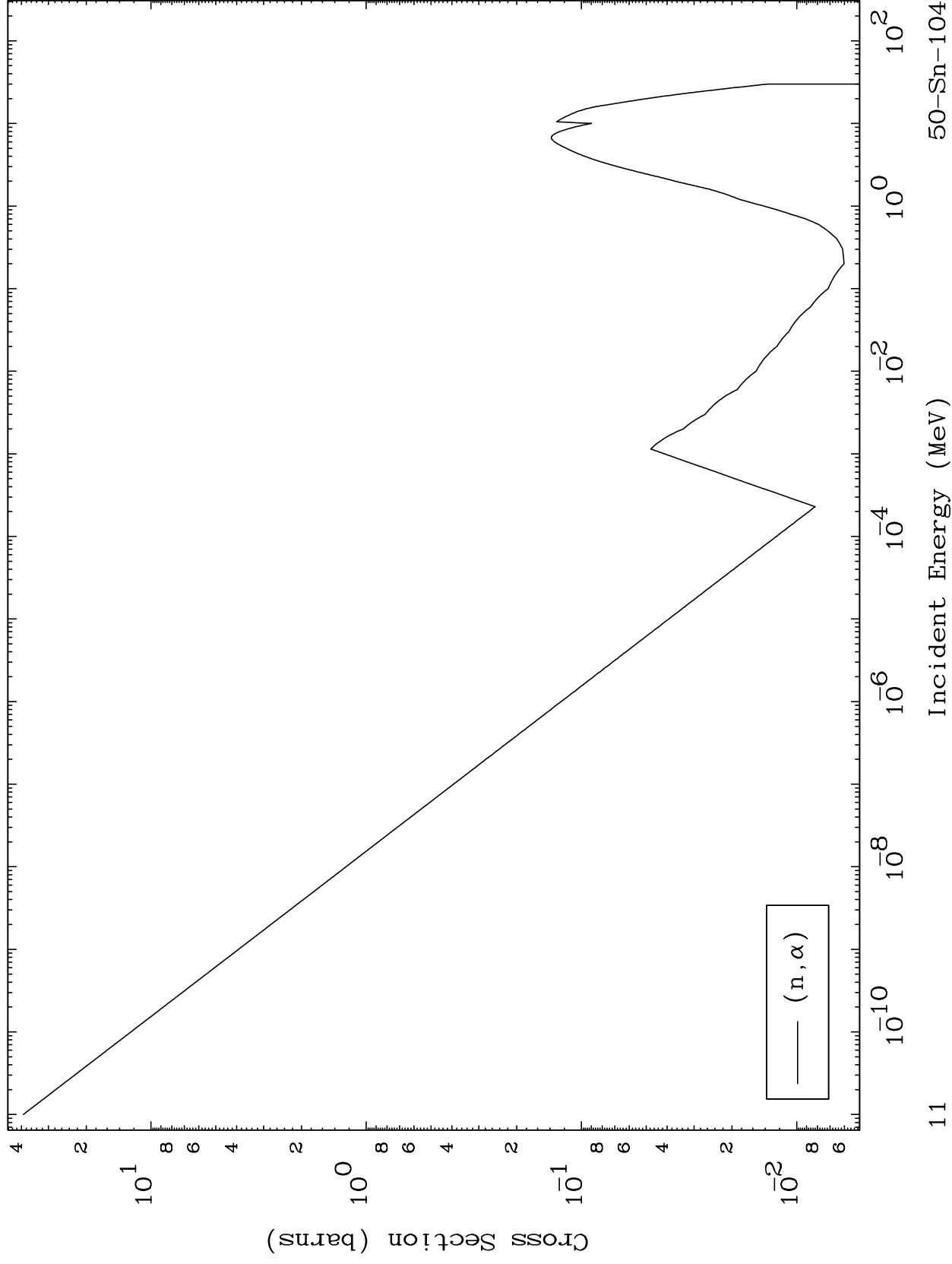
Incident Energy (MeV)

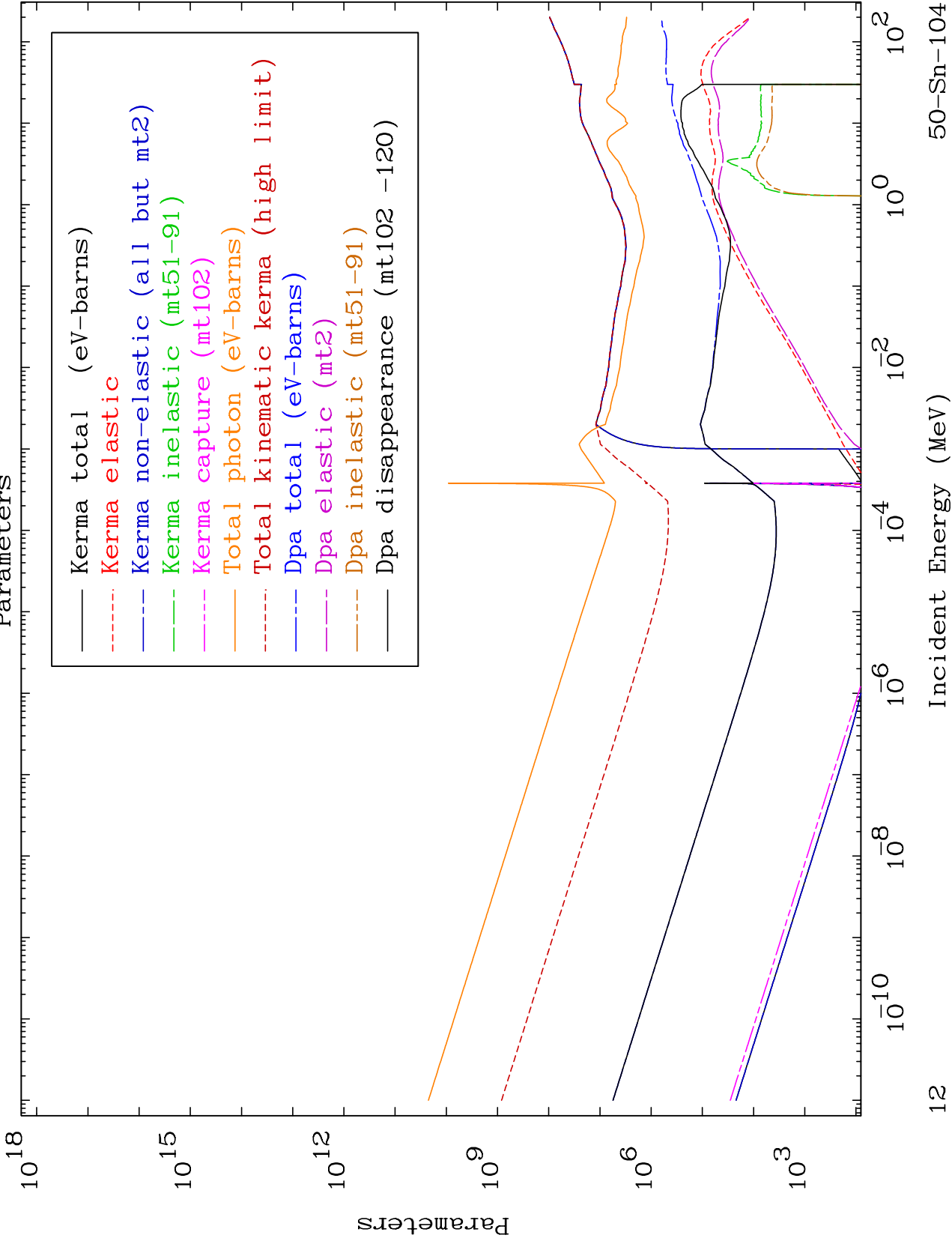
50-Sn-104

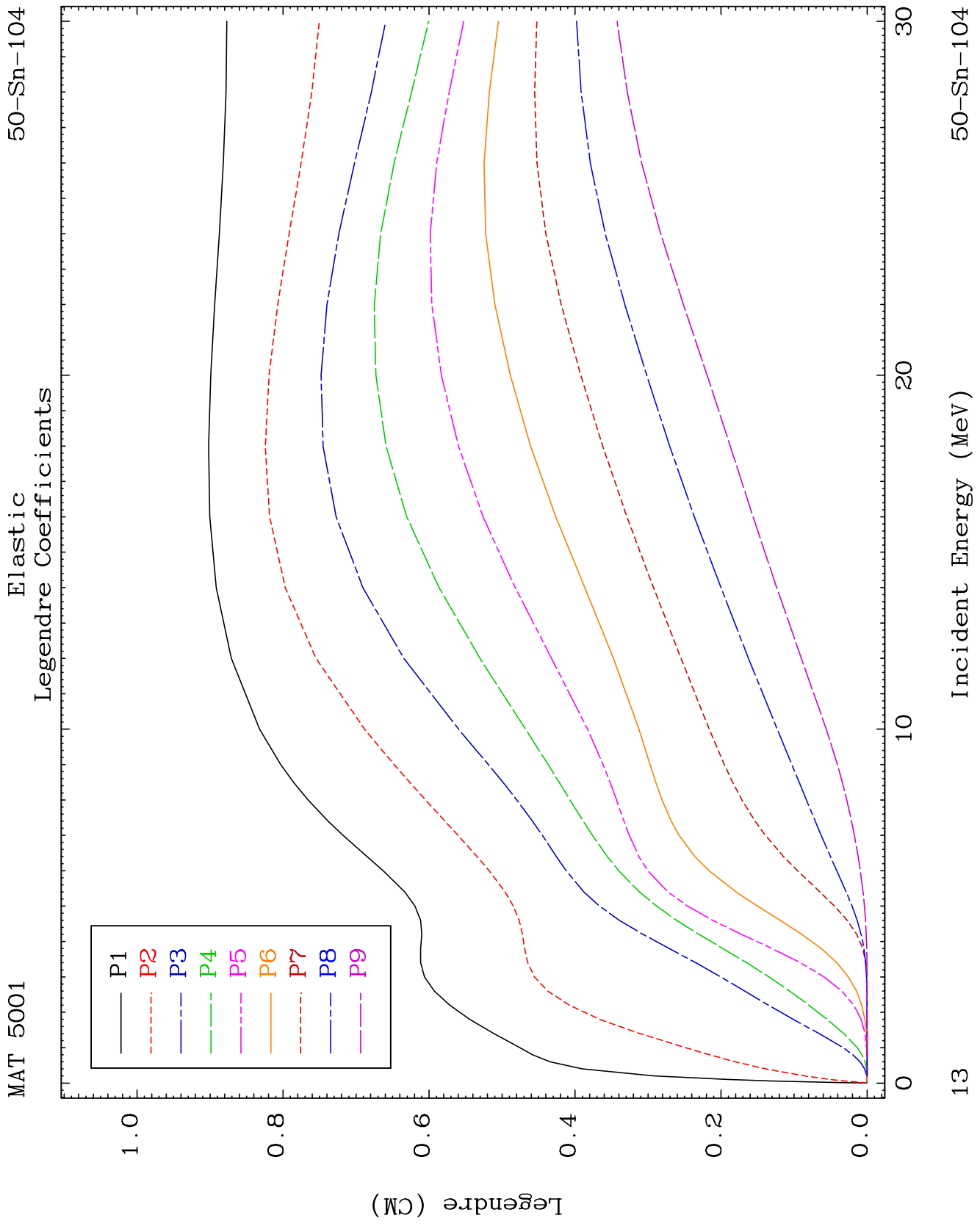
MAT 5001

(n, α) Levels
293 Kelvin Cross Sections

50-Sn-104



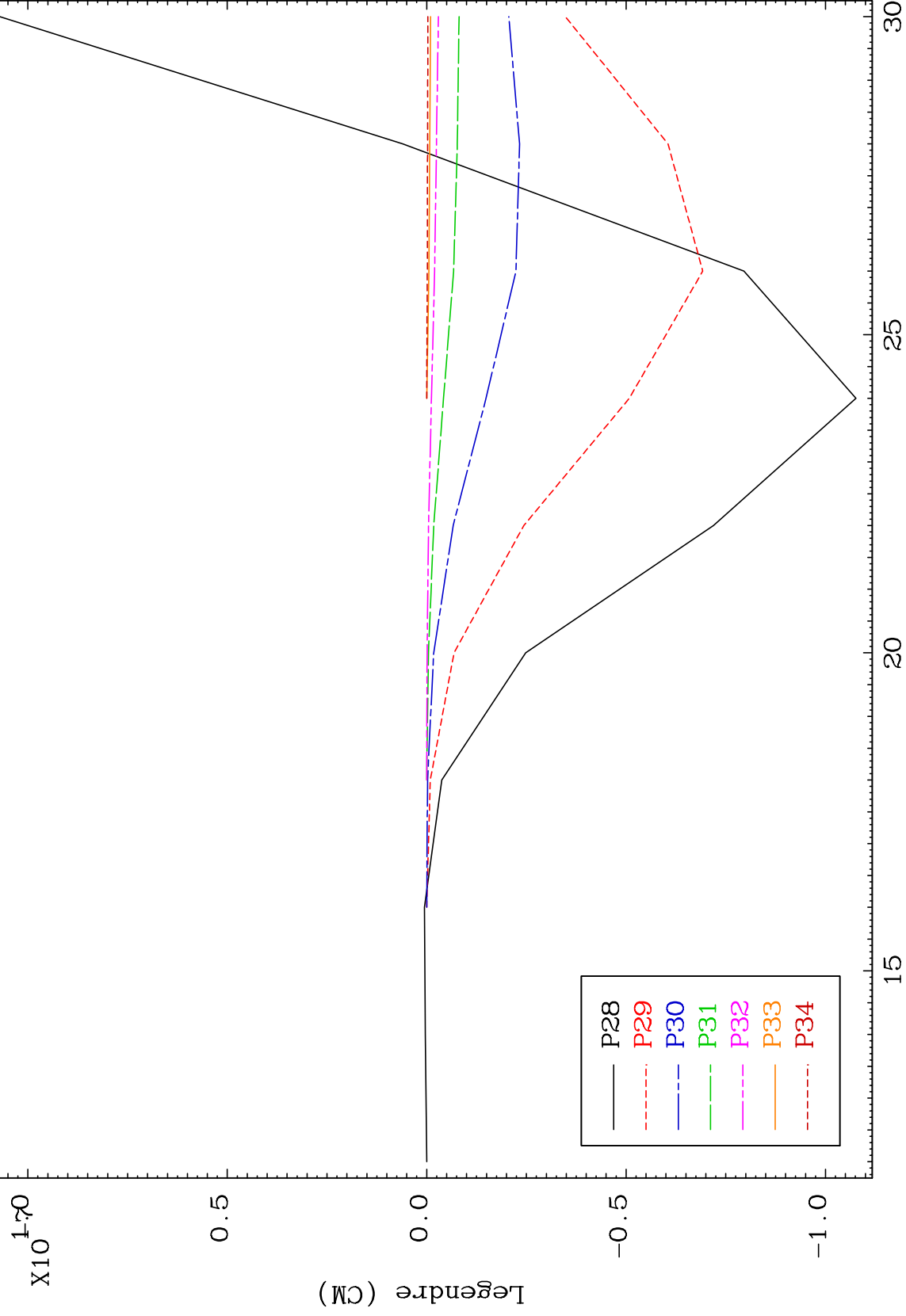




MAT 5001

Elastic
Legendre Coefficients

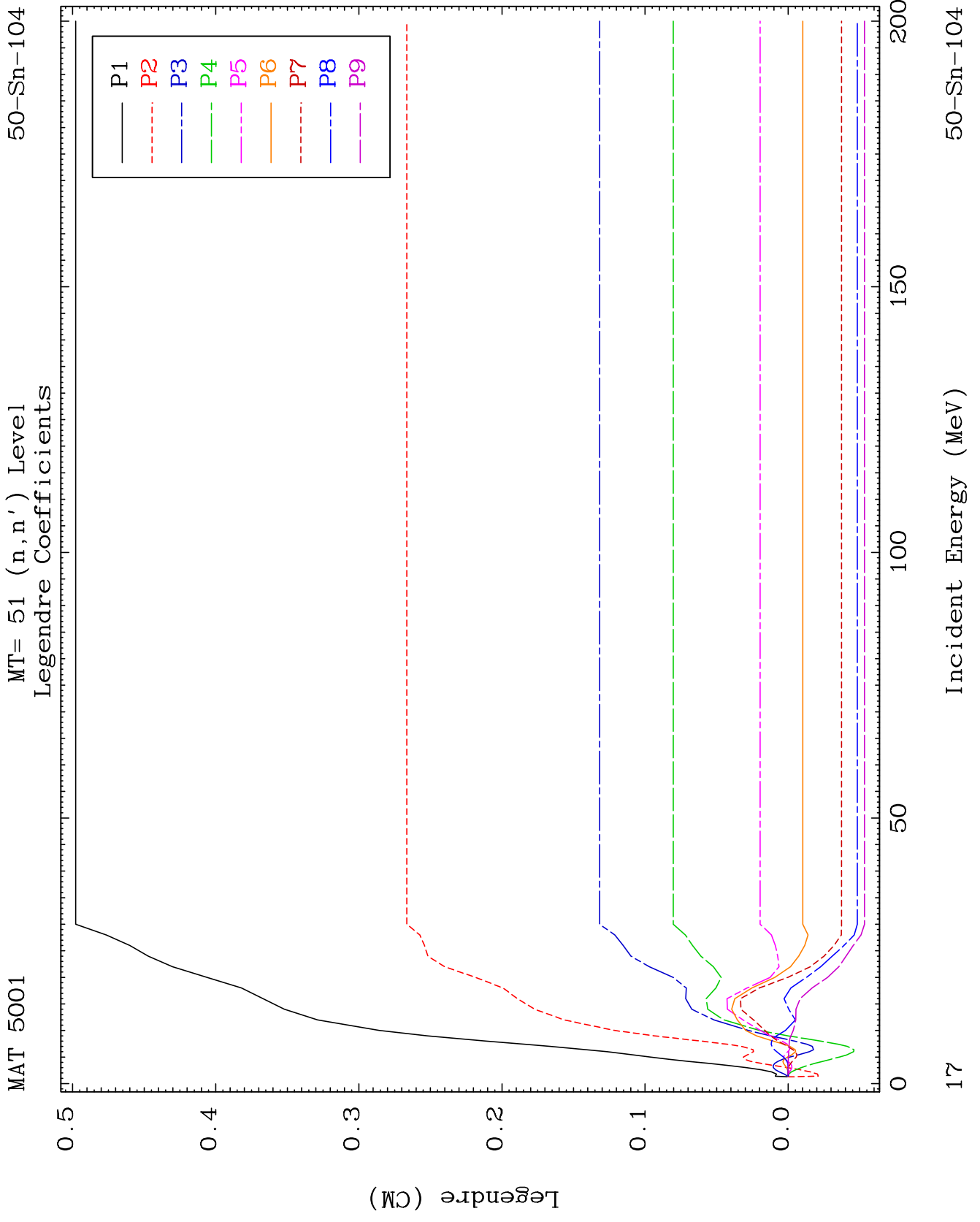
50-Sn-104

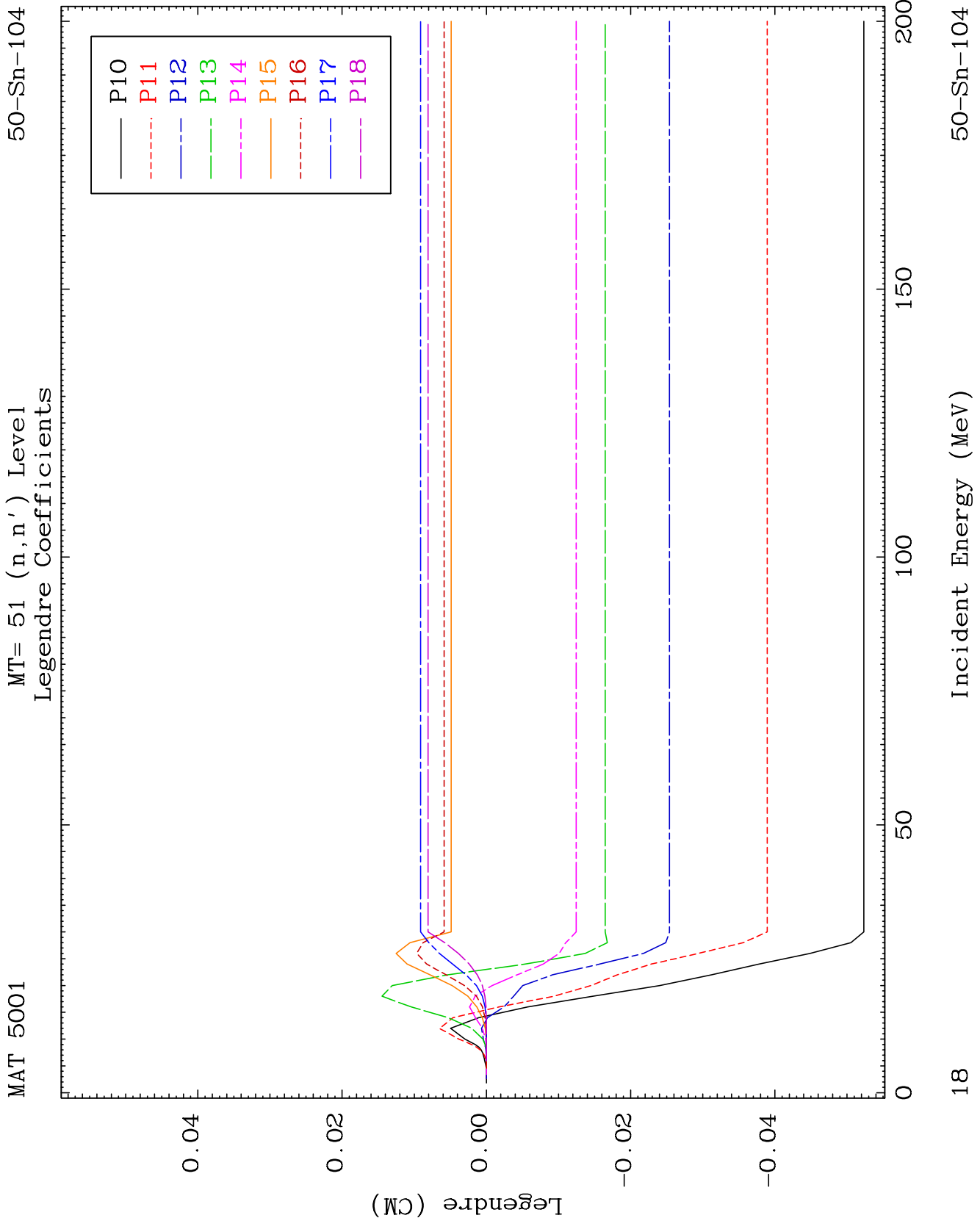


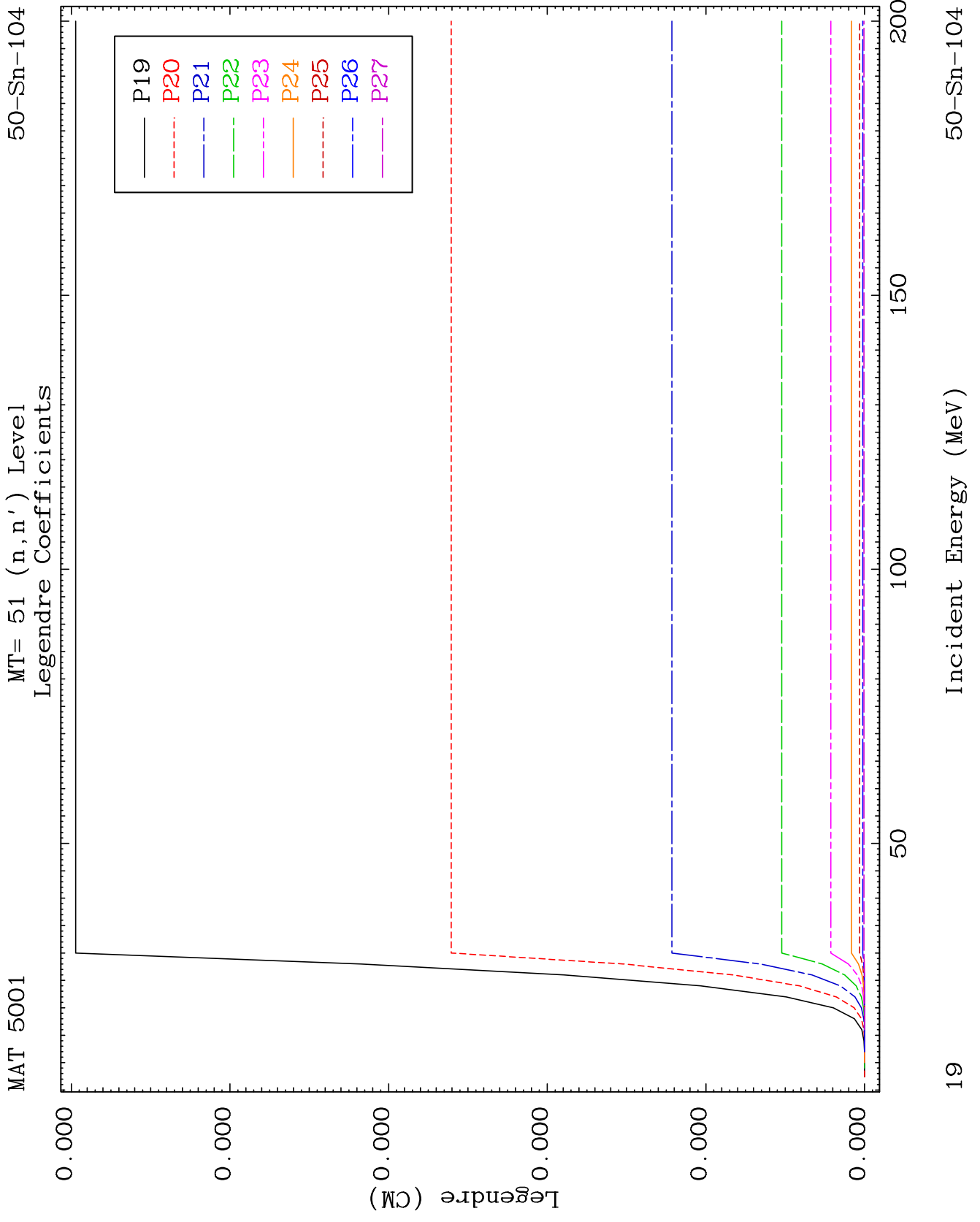
16

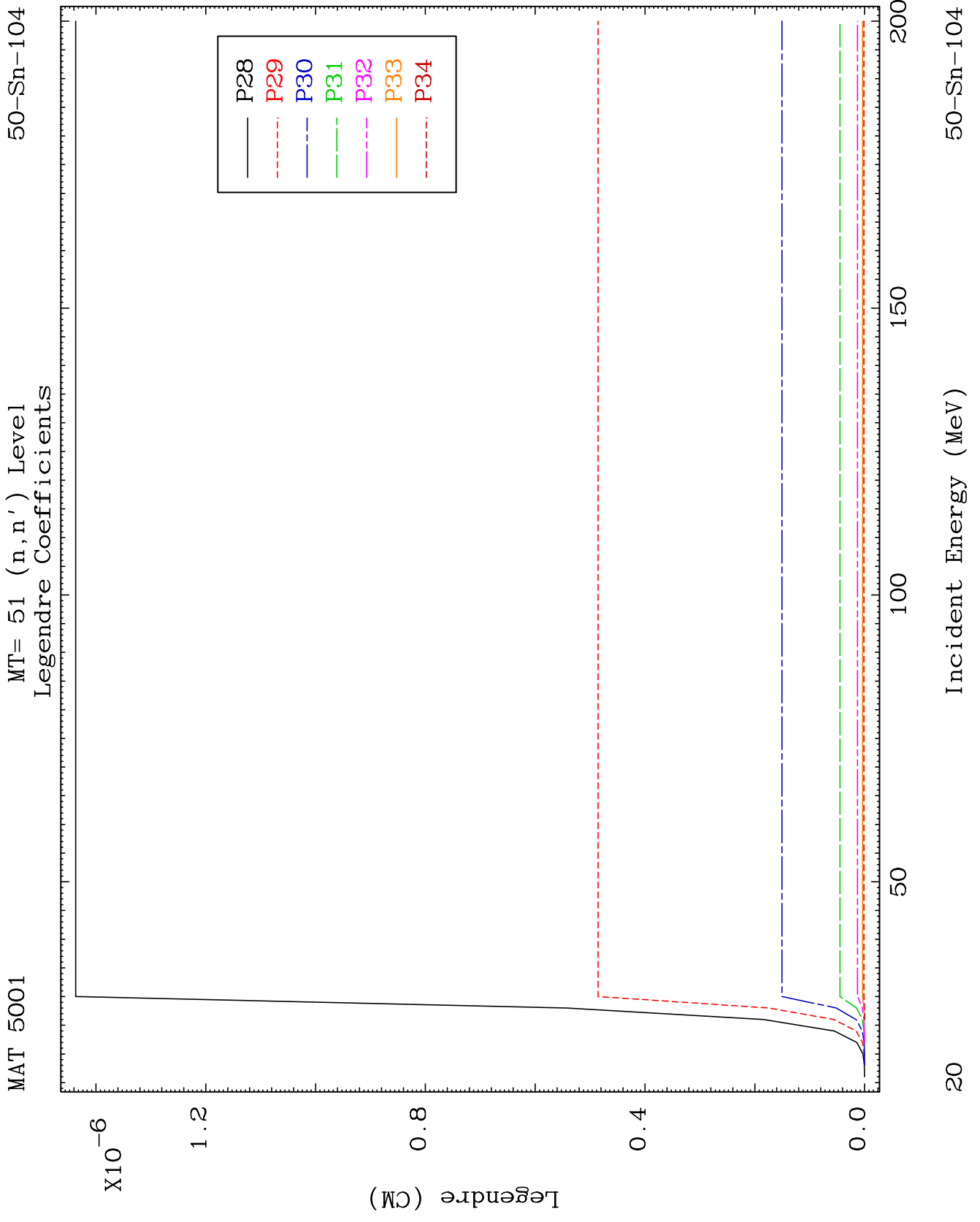
Incident Energy (MeV)

50-Sn-104





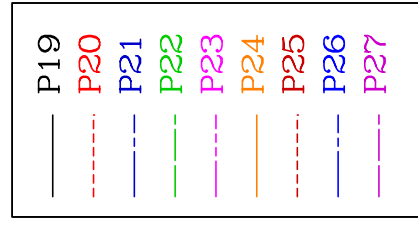




MAT 5001

MT= 52 (n,n') Level
Legendre Coefficients

50-Sn-104



$\times 10^{-3}$
1.5

Legendre (CM)

1.0

0.5

0.0

50

100

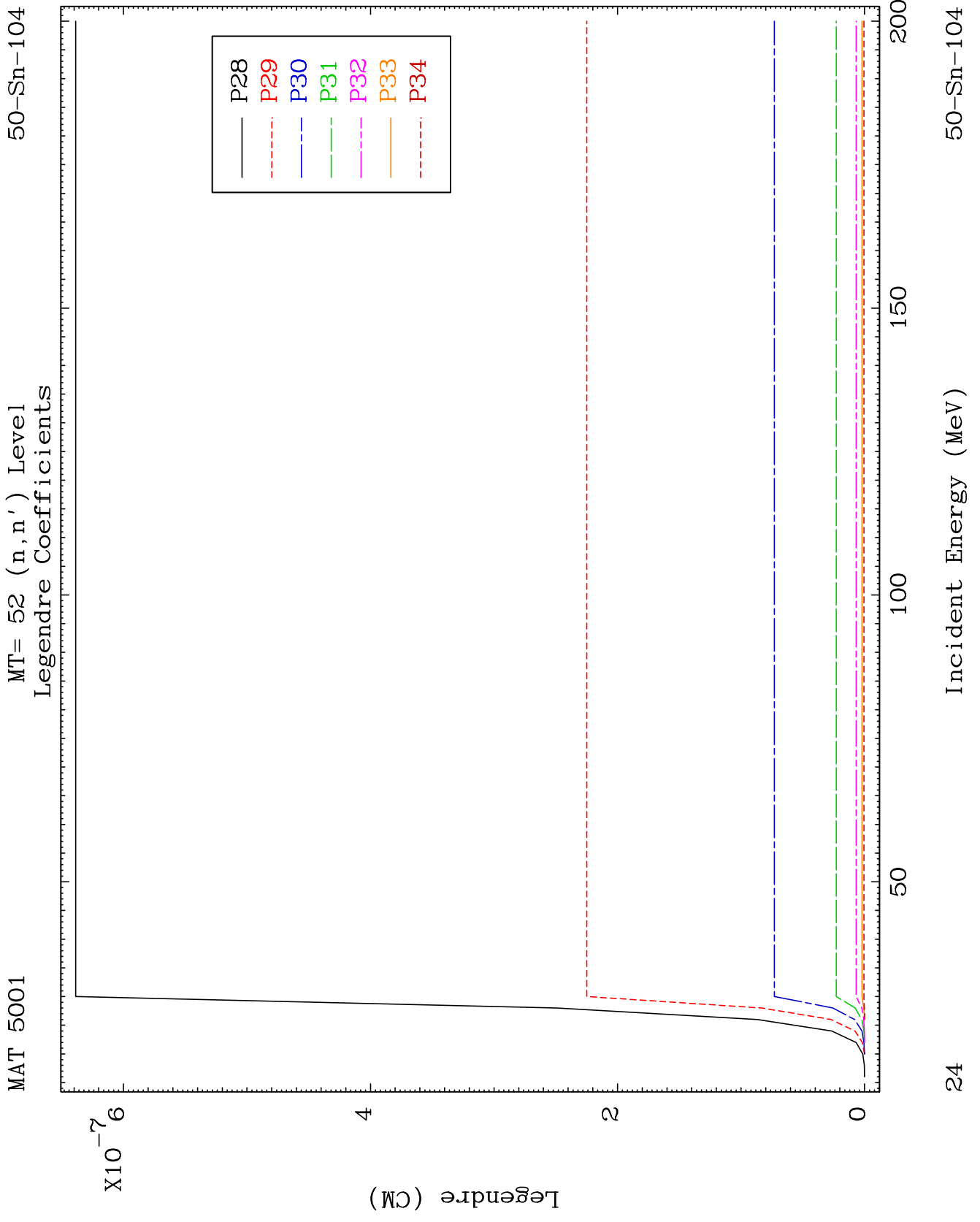
150

200

23

Incident Energy (MeV)

50-Sn-104

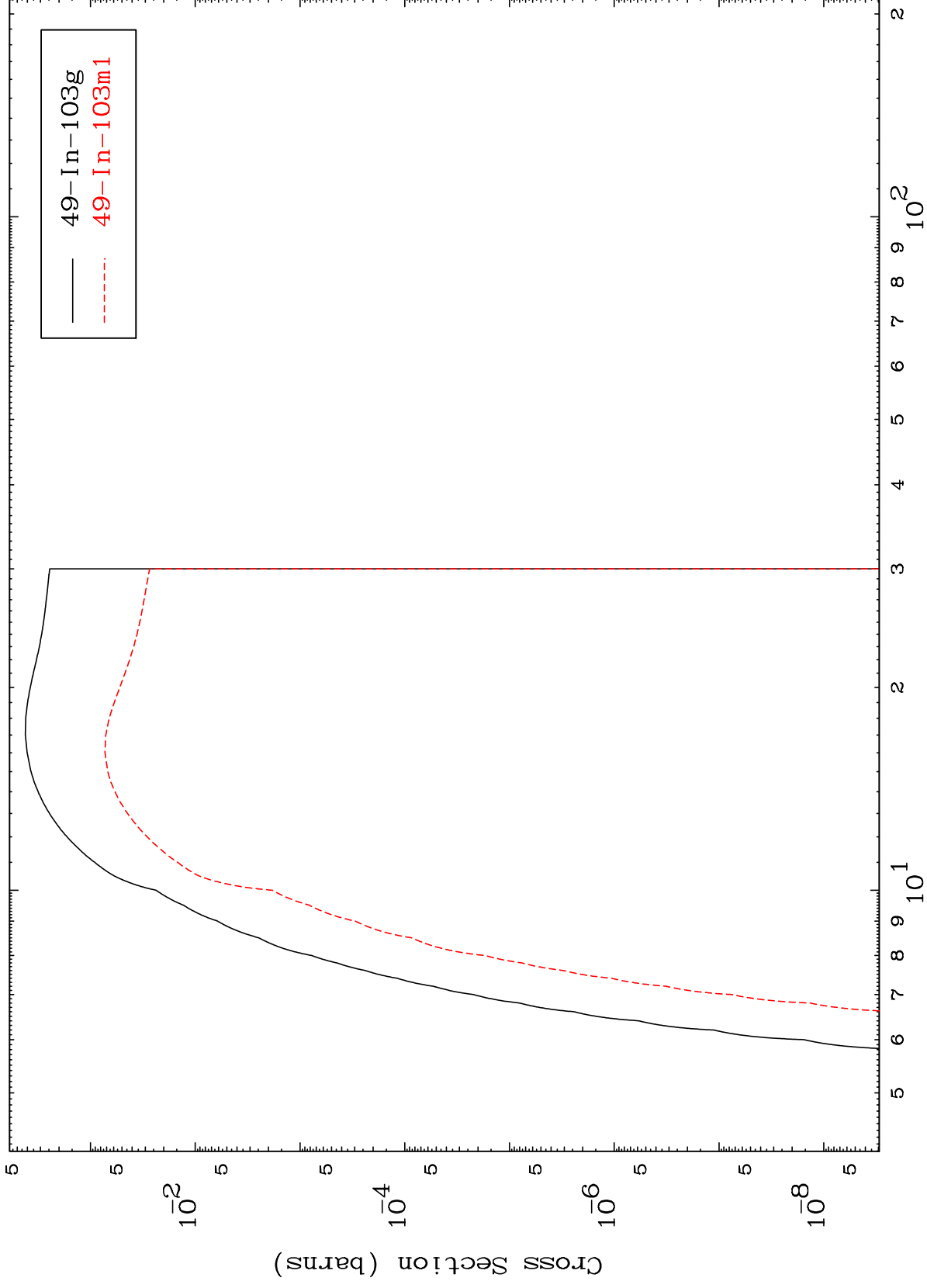


MAT 5001

(n,n') p

50-Sn-104

Radionuclide Production Cross Section



25

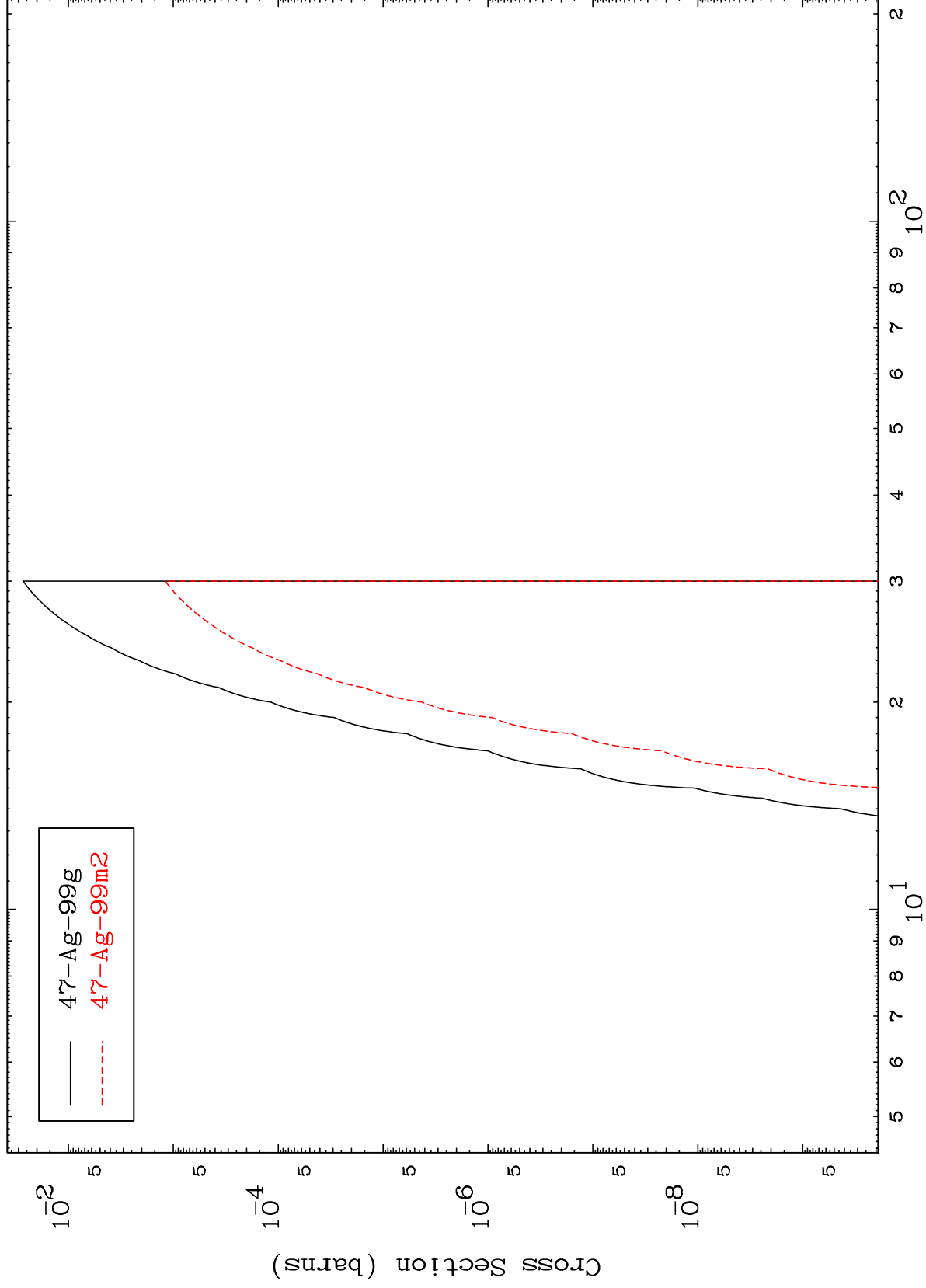
Incident Energy (MeV)

50-Sn-104

MAT 5001

50-Sn-104

(n,n') p α
Radionuclide Production Cross Section



26

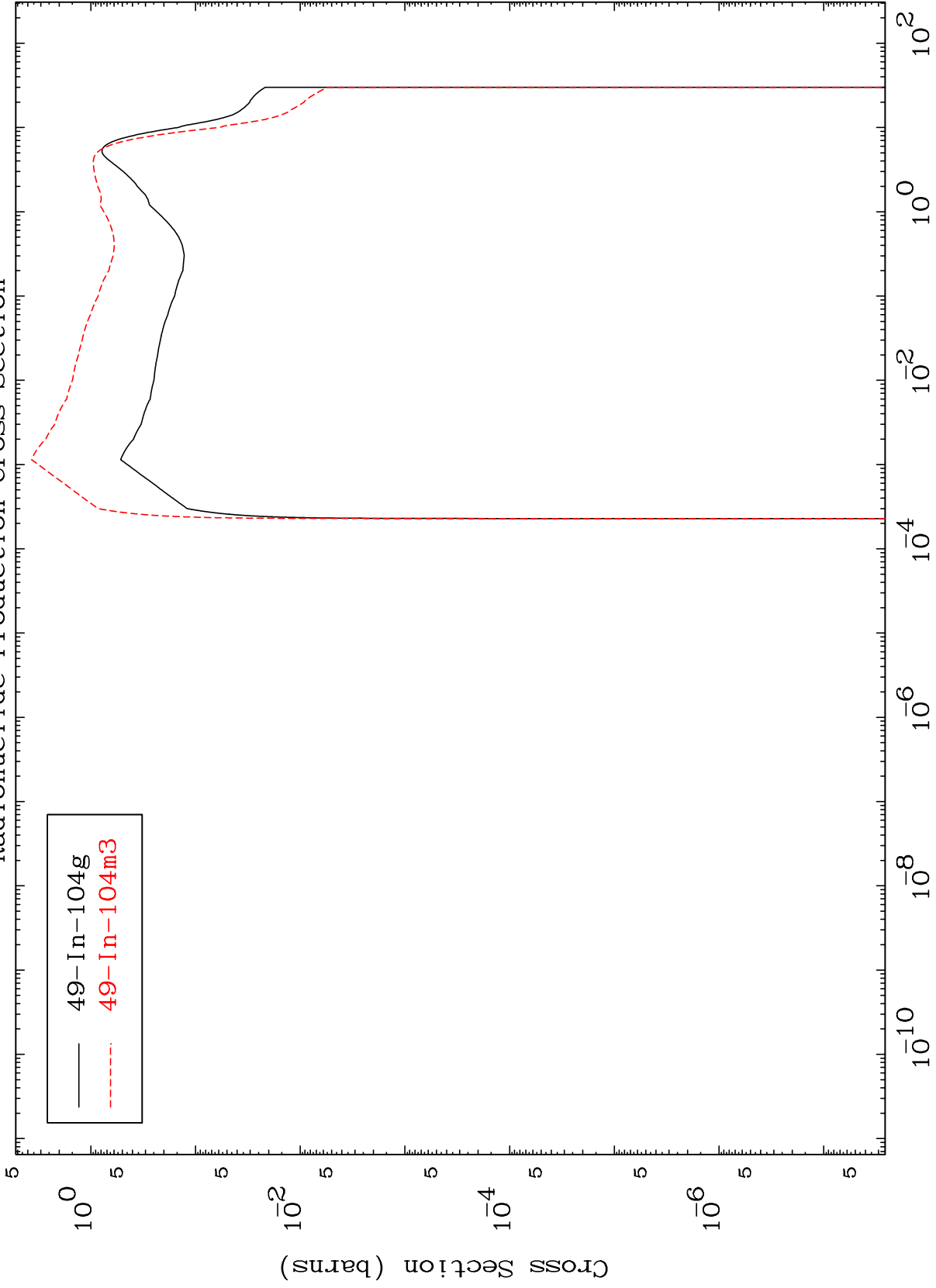
Incident Energy (MeV)

50-Sn-104

MAT 5001

50-Sn-104

(n,p)
Radionuclide Production Cross Section

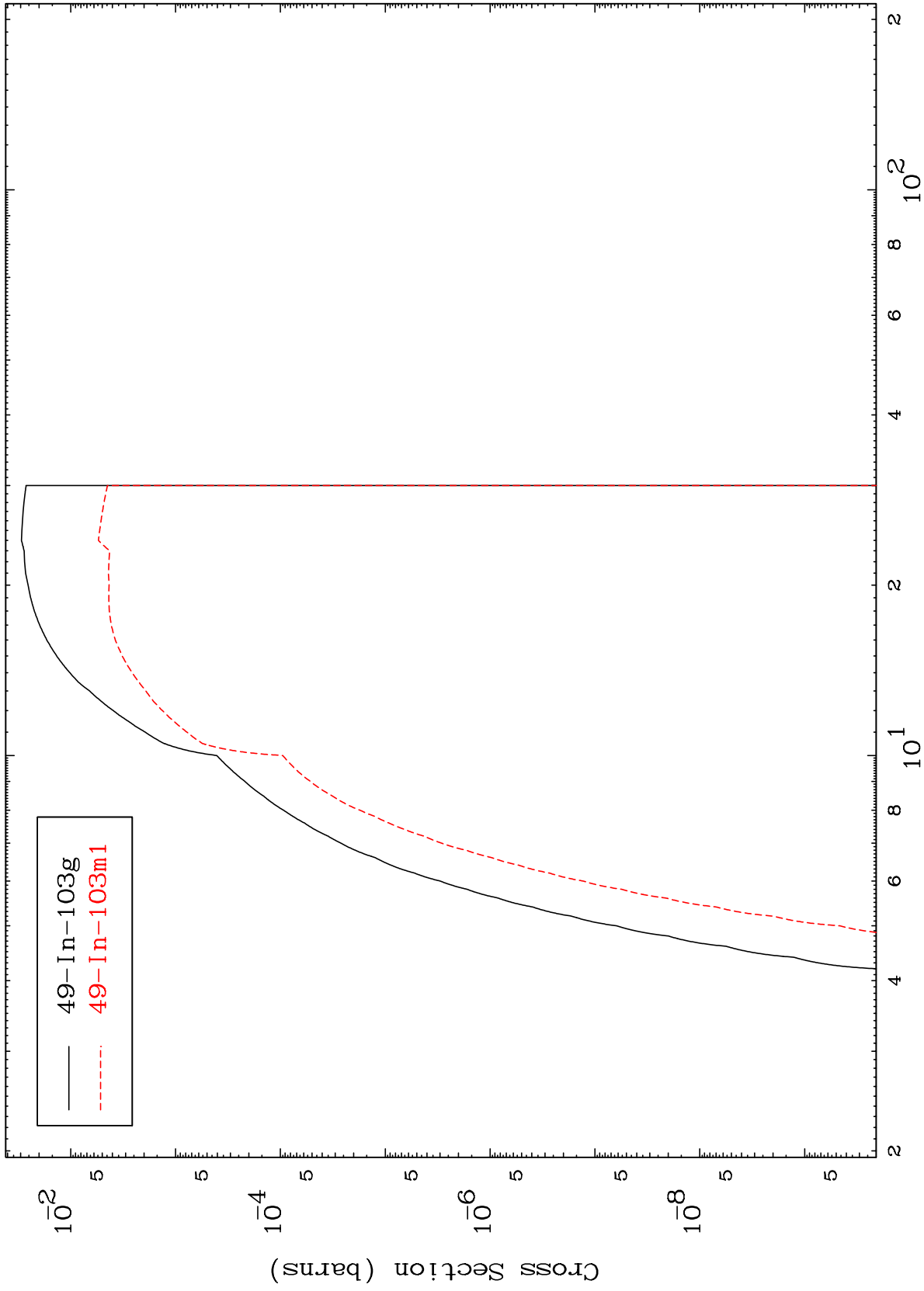


— 49-In-104g
- - - 49-In-104m3

MAT 5001

50-Sn-104

(n,d)
Radionuclide Production Cross Section



28

Incident Energy (MeV)

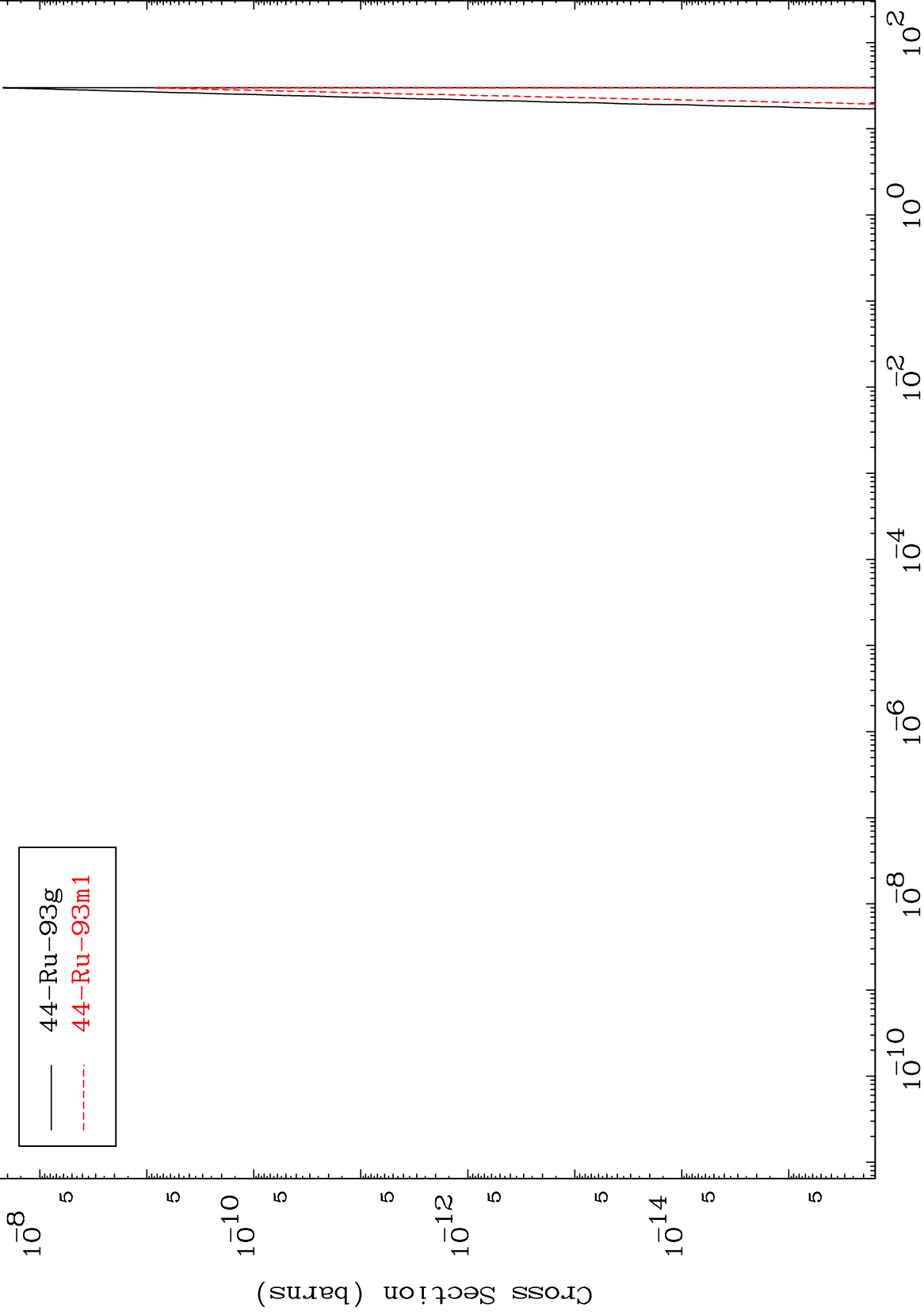
50-Sn-104

MAT 5001

(n,3 α)

50-Sn-104

Radionuclide Production Cross Section



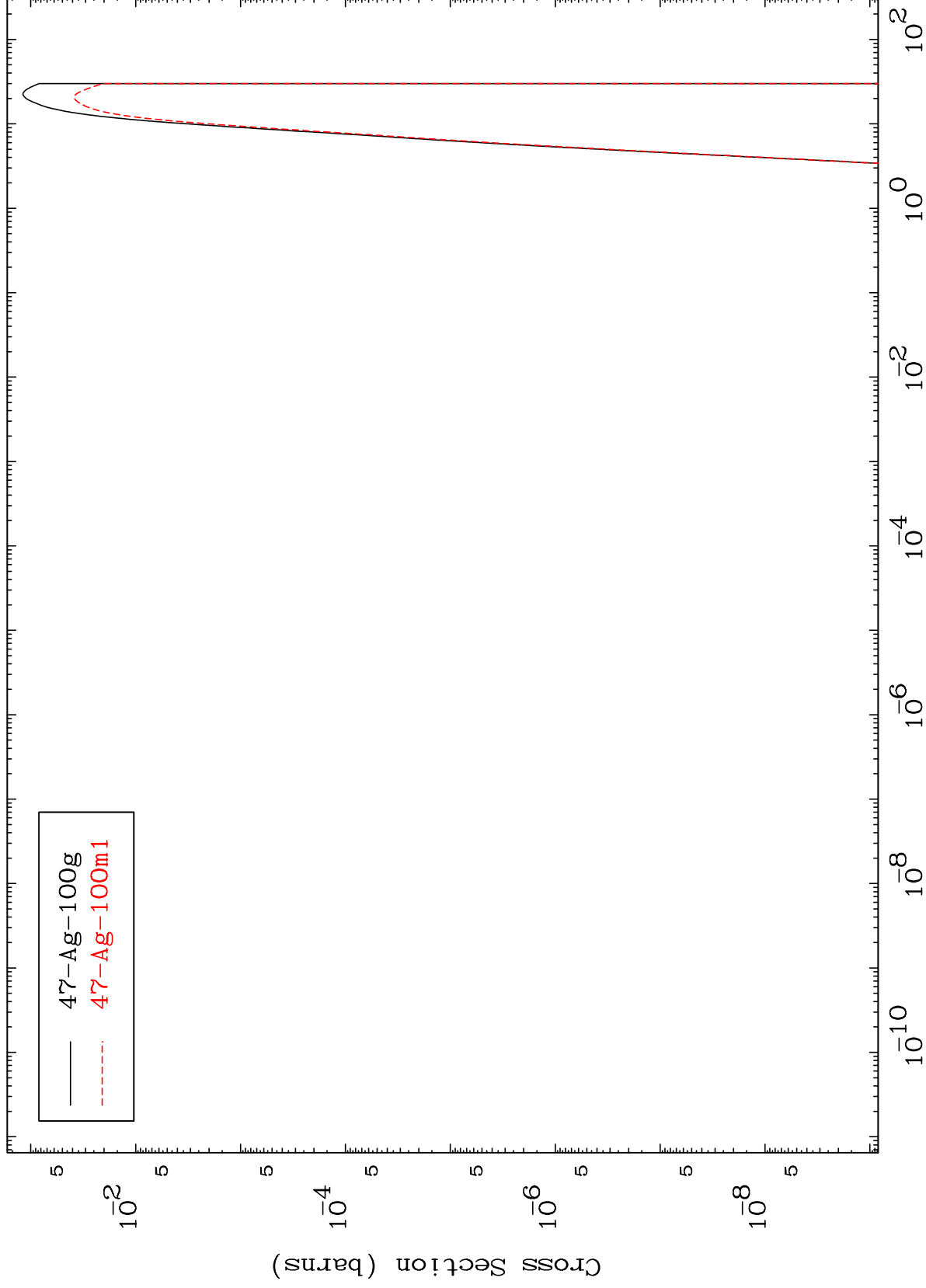
— 44-Ru-93g
- - - 44-Ru-93m1

MAT 5001

(n,p) α

50-Sn-104

Radionuclide Production Cross Section



30

Incident Energy (MeV)

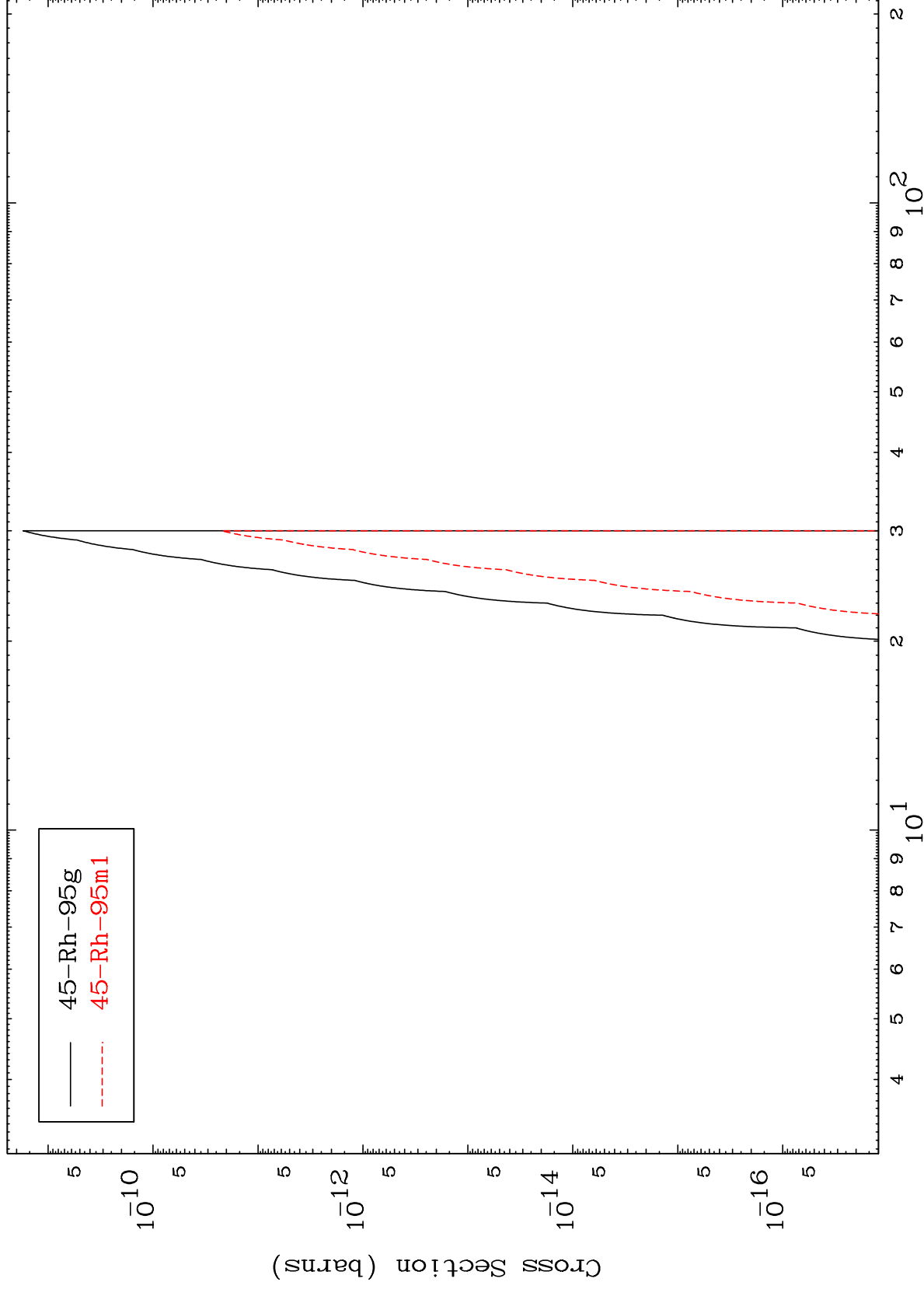
50-Sn-104

MAT 5001

(n,d) 2α

50-Sn-104

Radionuclide Production Cross Section



31

Incident Energy (MeV)

50-Sn-104

