

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

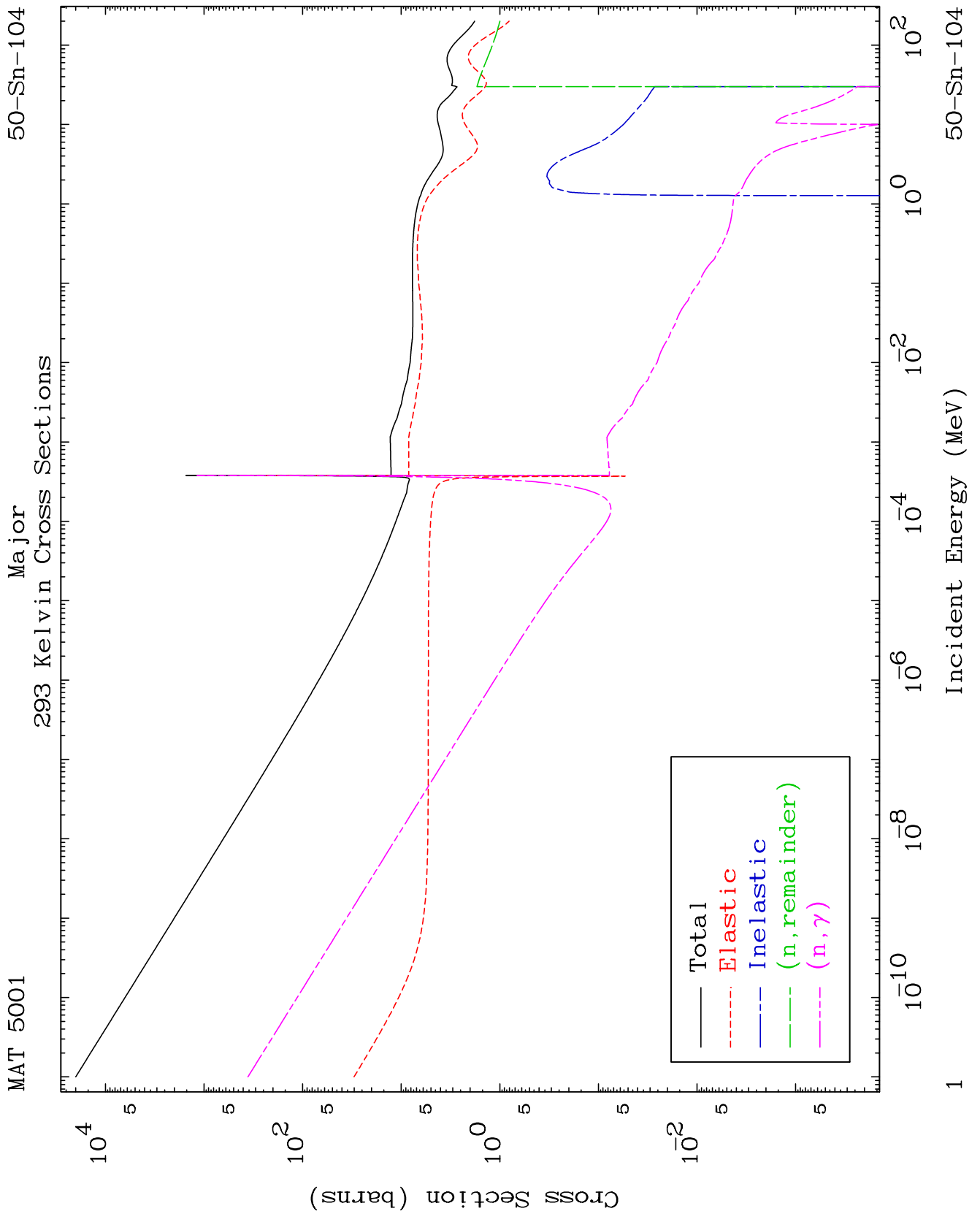
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Web:redcullen1.net/HOMEPAGE.NEW

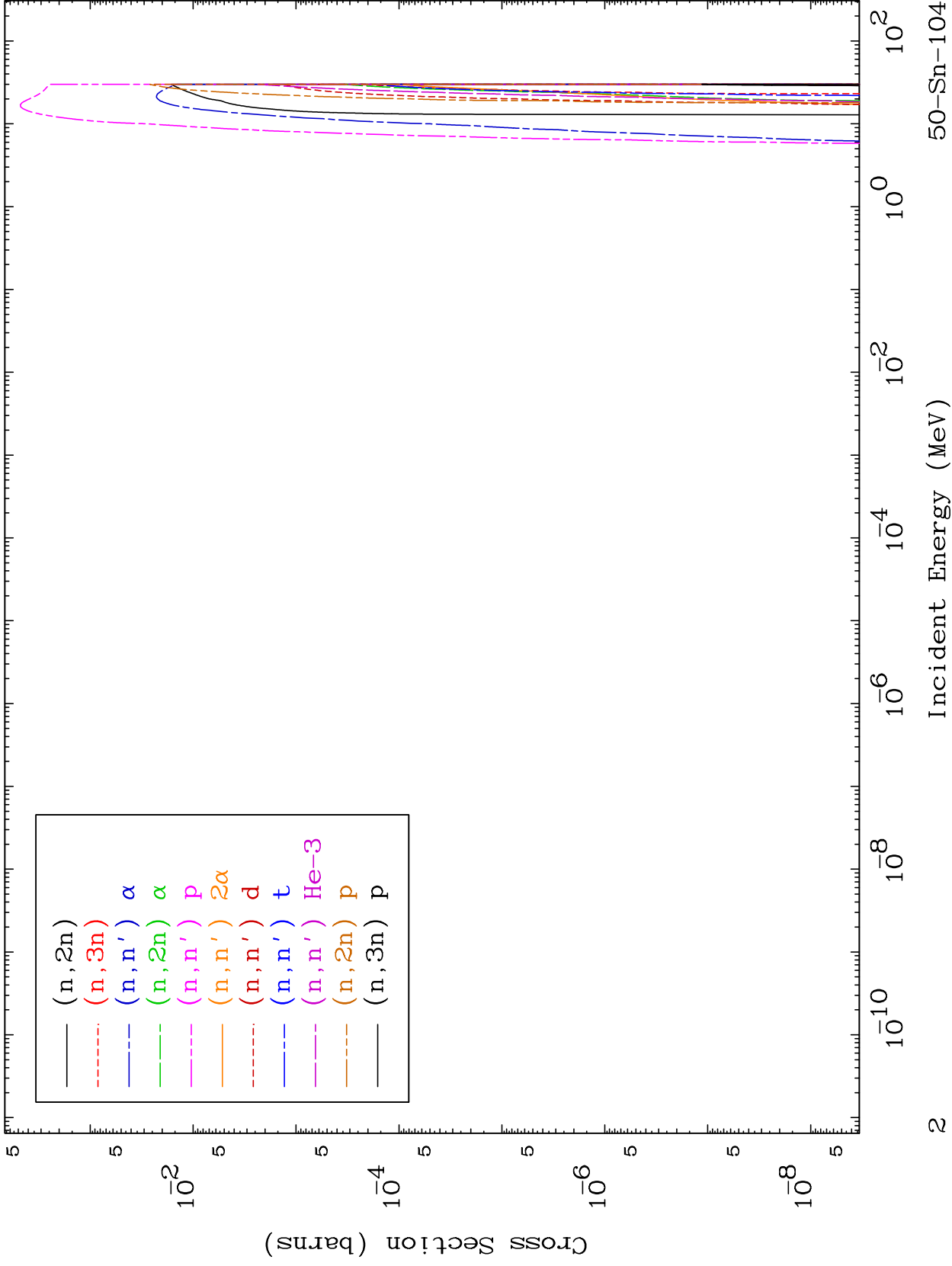
Press Mouse Button to Start

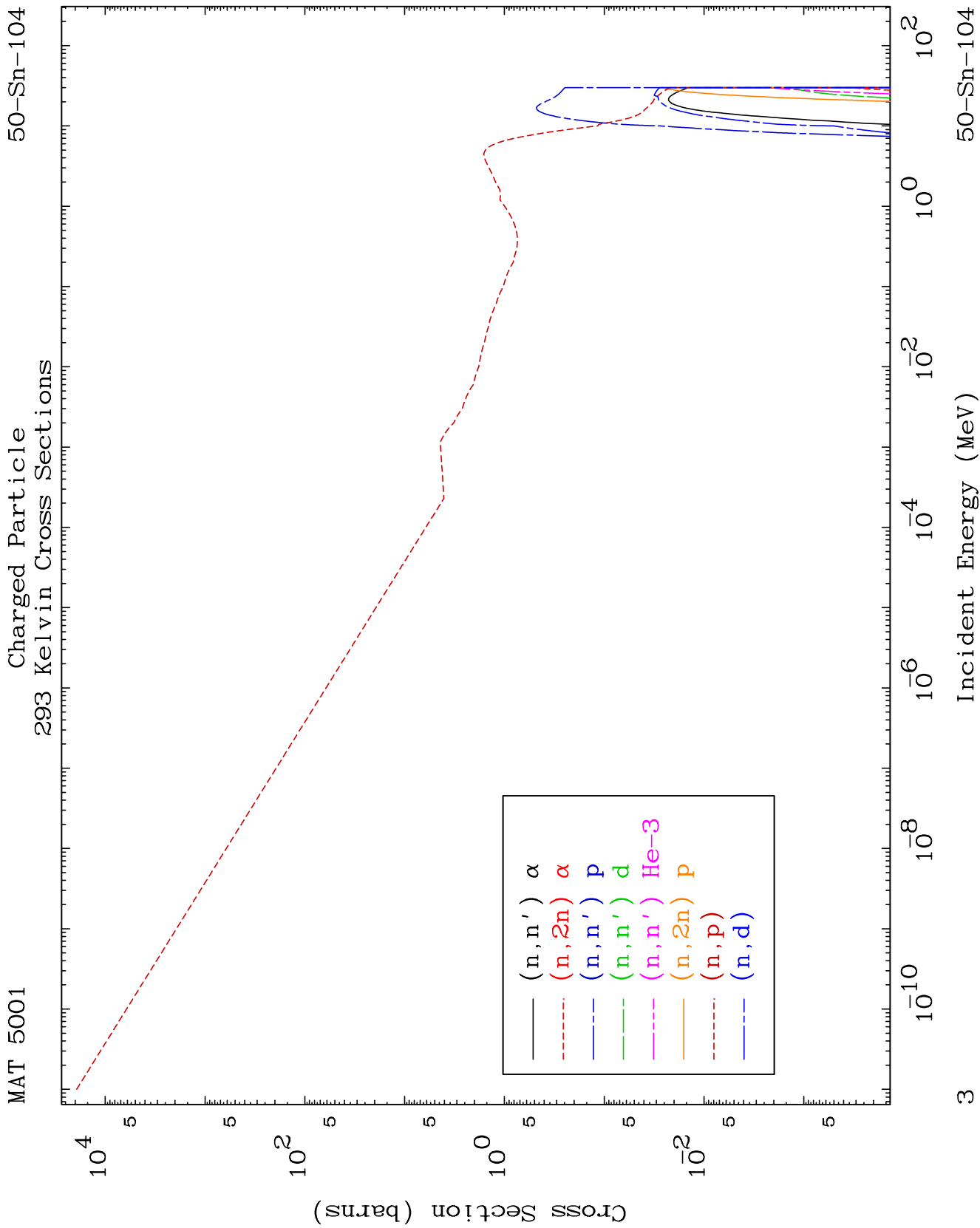


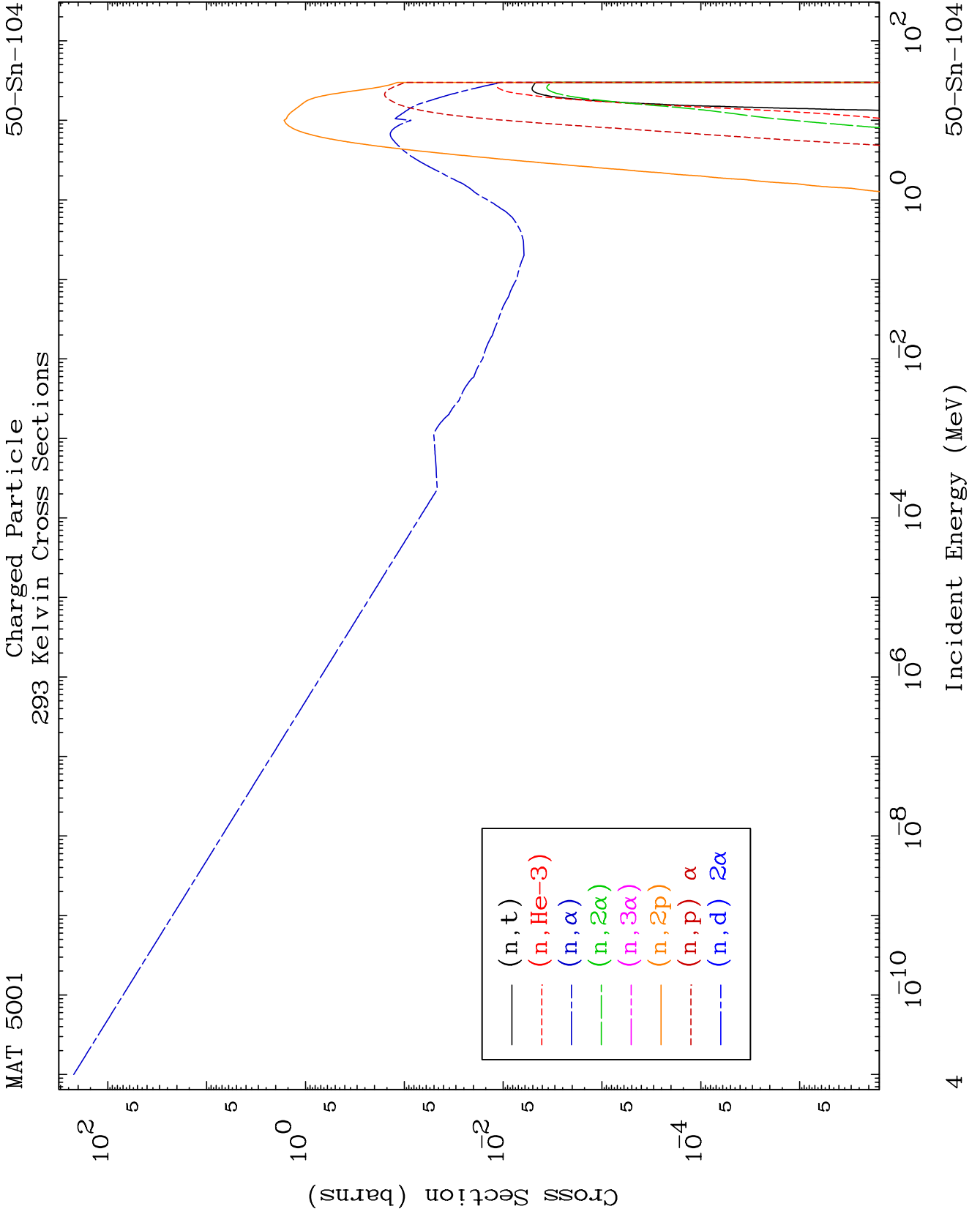
MAT 5001

Neutron Production  
293 Kelvin Cross Sections

50-Sn-104



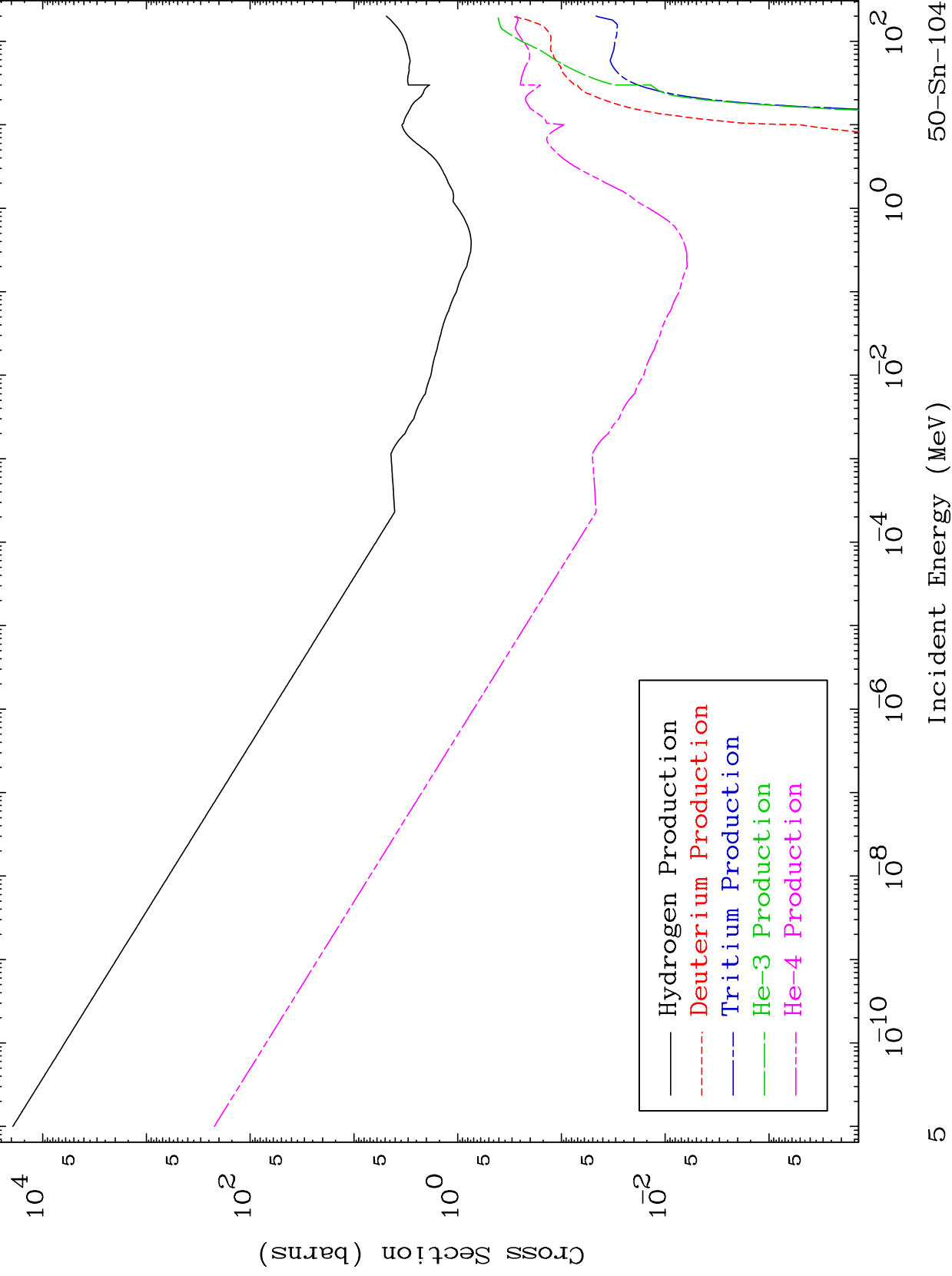


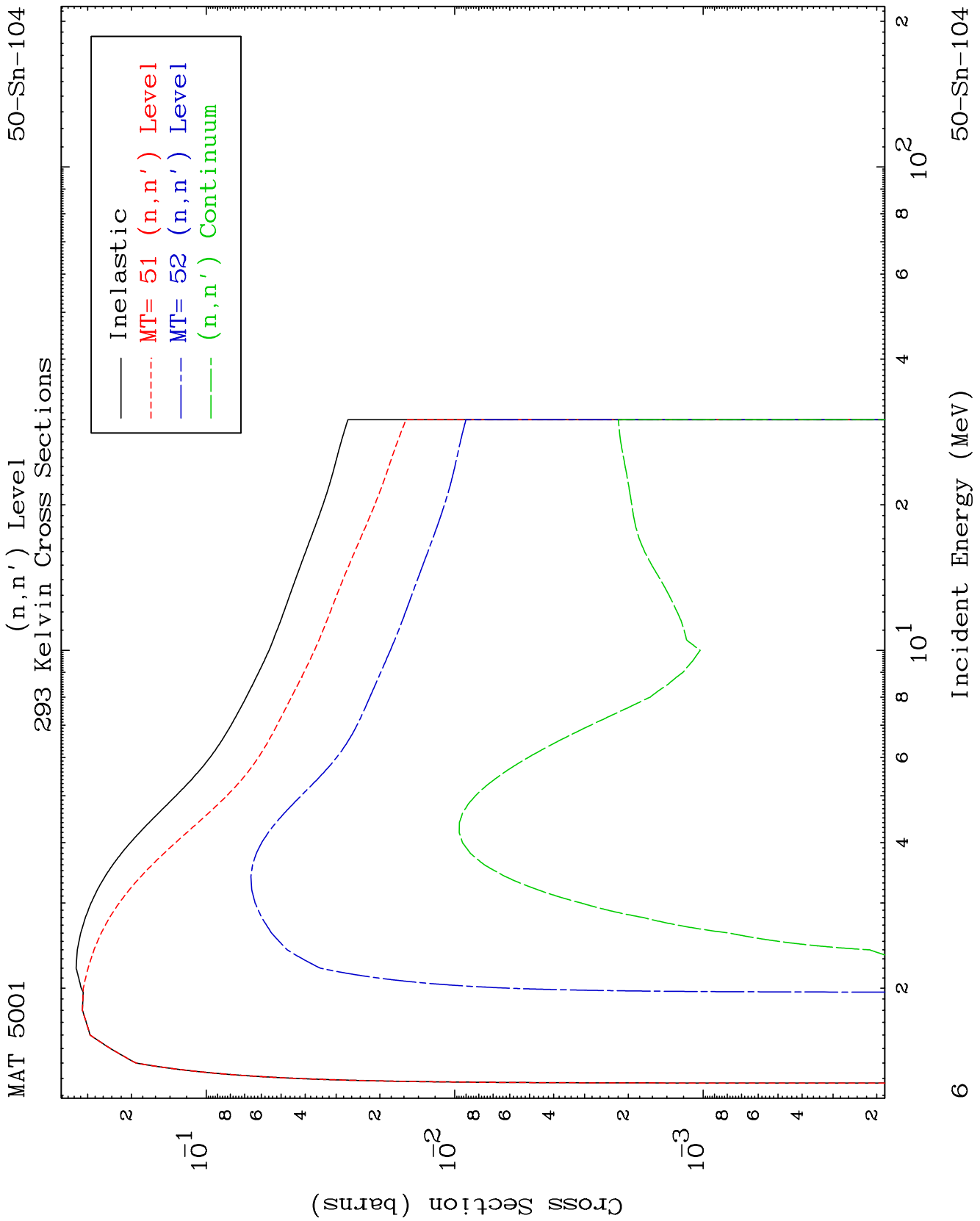


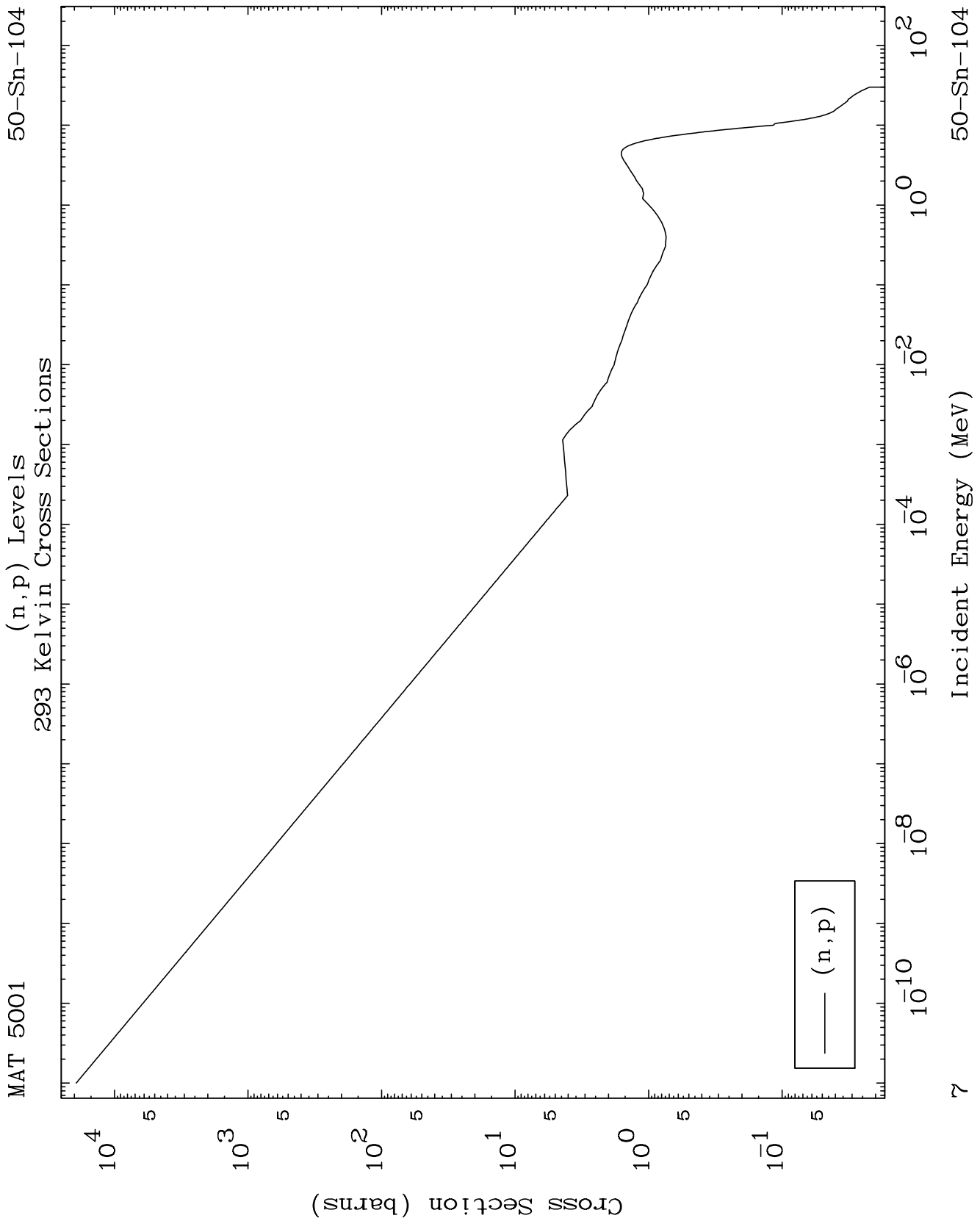
MAT 5001

Particle Production  
293 Kelvin Cross Sections

50-Sn-104





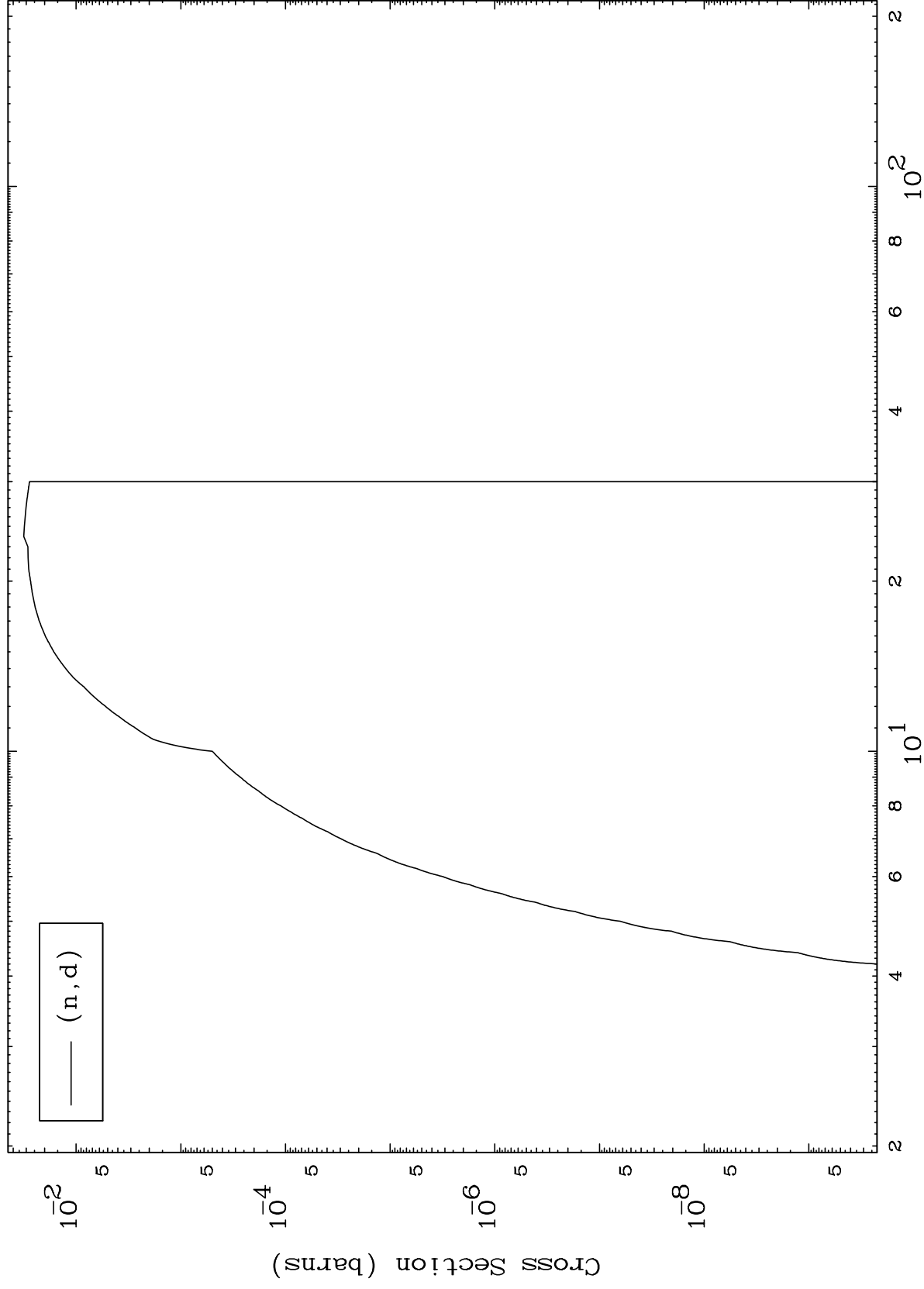




MAT 5001

(n,d) Levels  
293 Kelvin Cross Sections

50-Sn-104



8

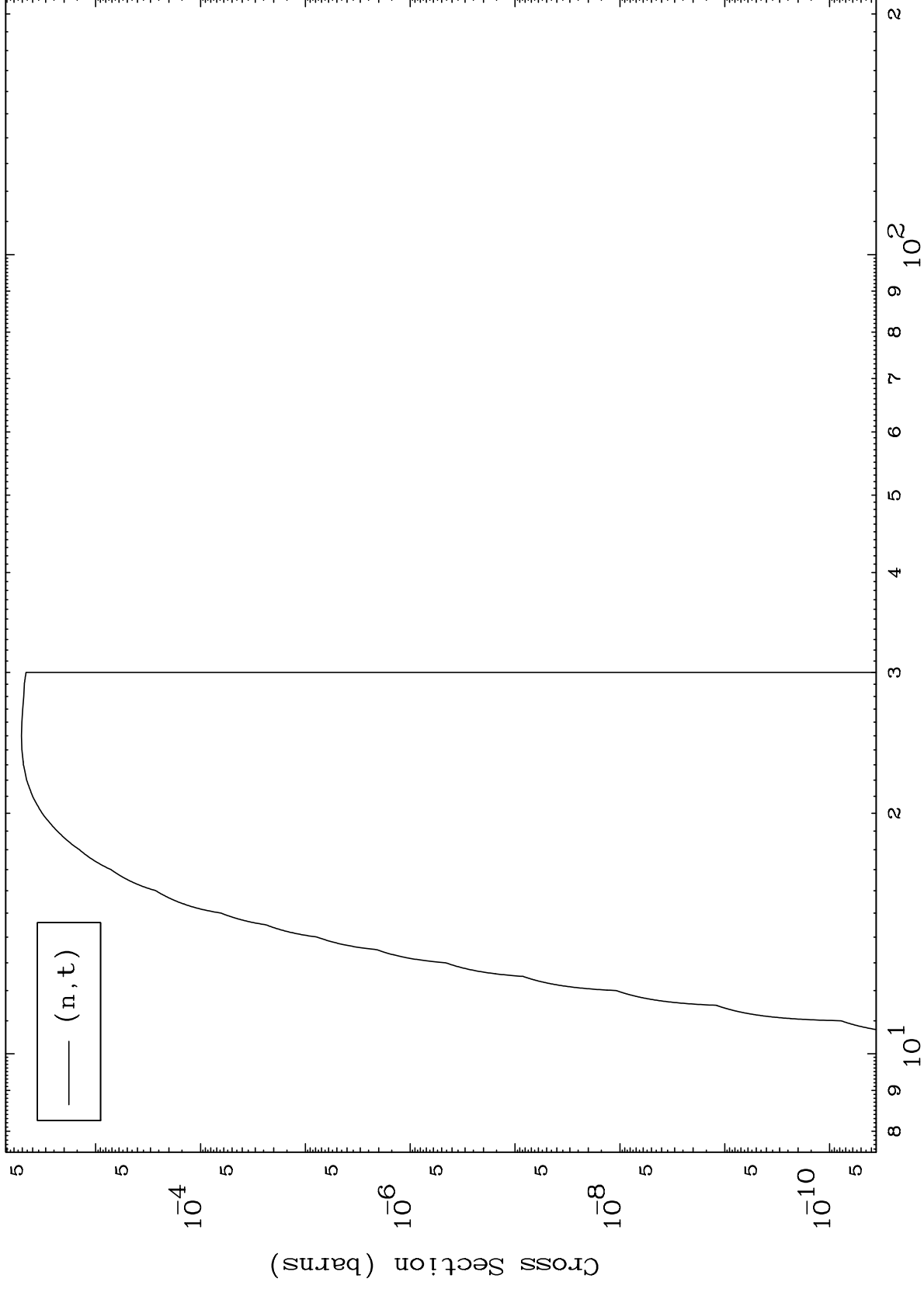
Incident Energy (MeV)

50-Sn-104

MAT 5001

(n,t) Levels  
293 Kelvin Cross Sections

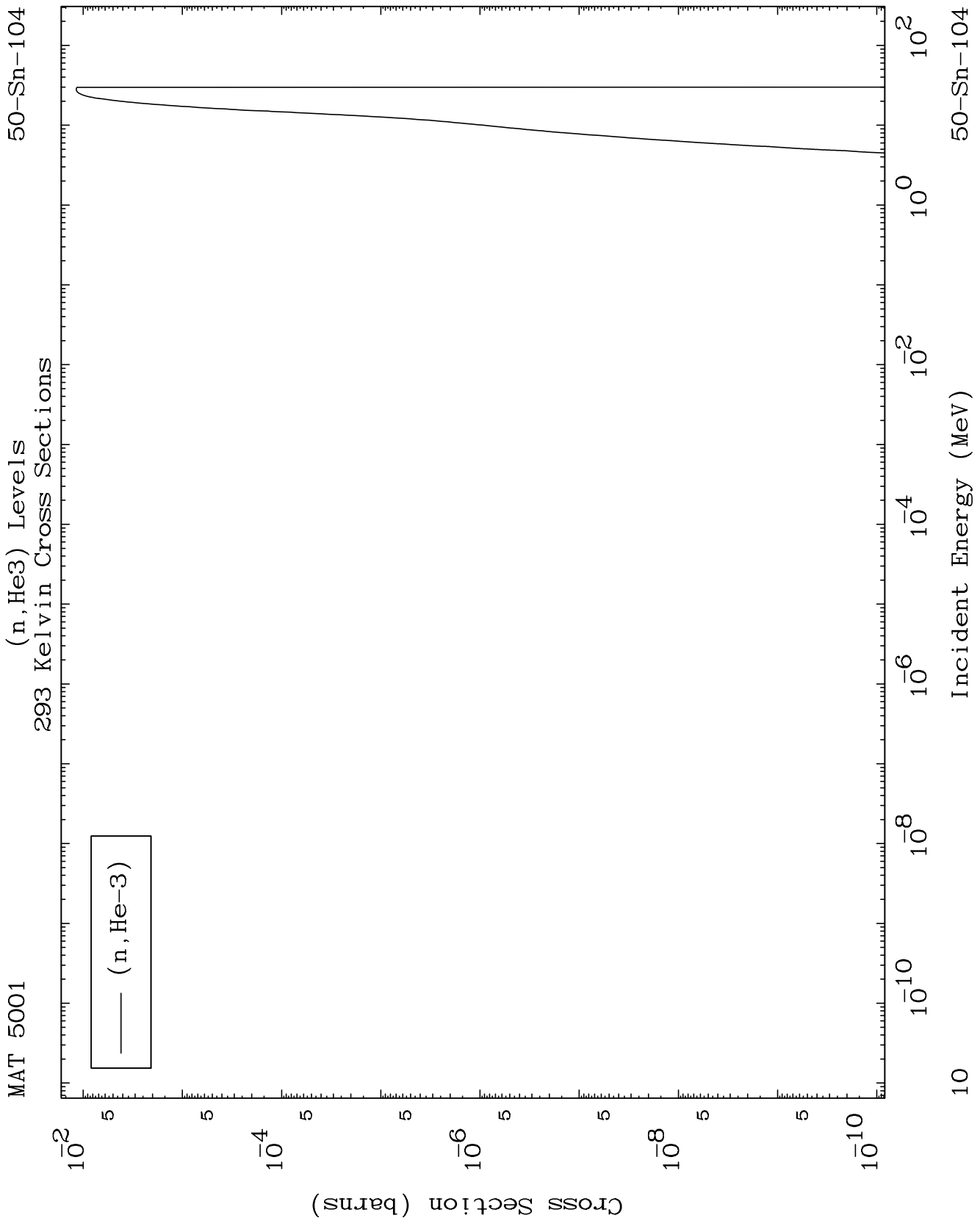
50-Sn-104



9

Incident Energy (MeV)

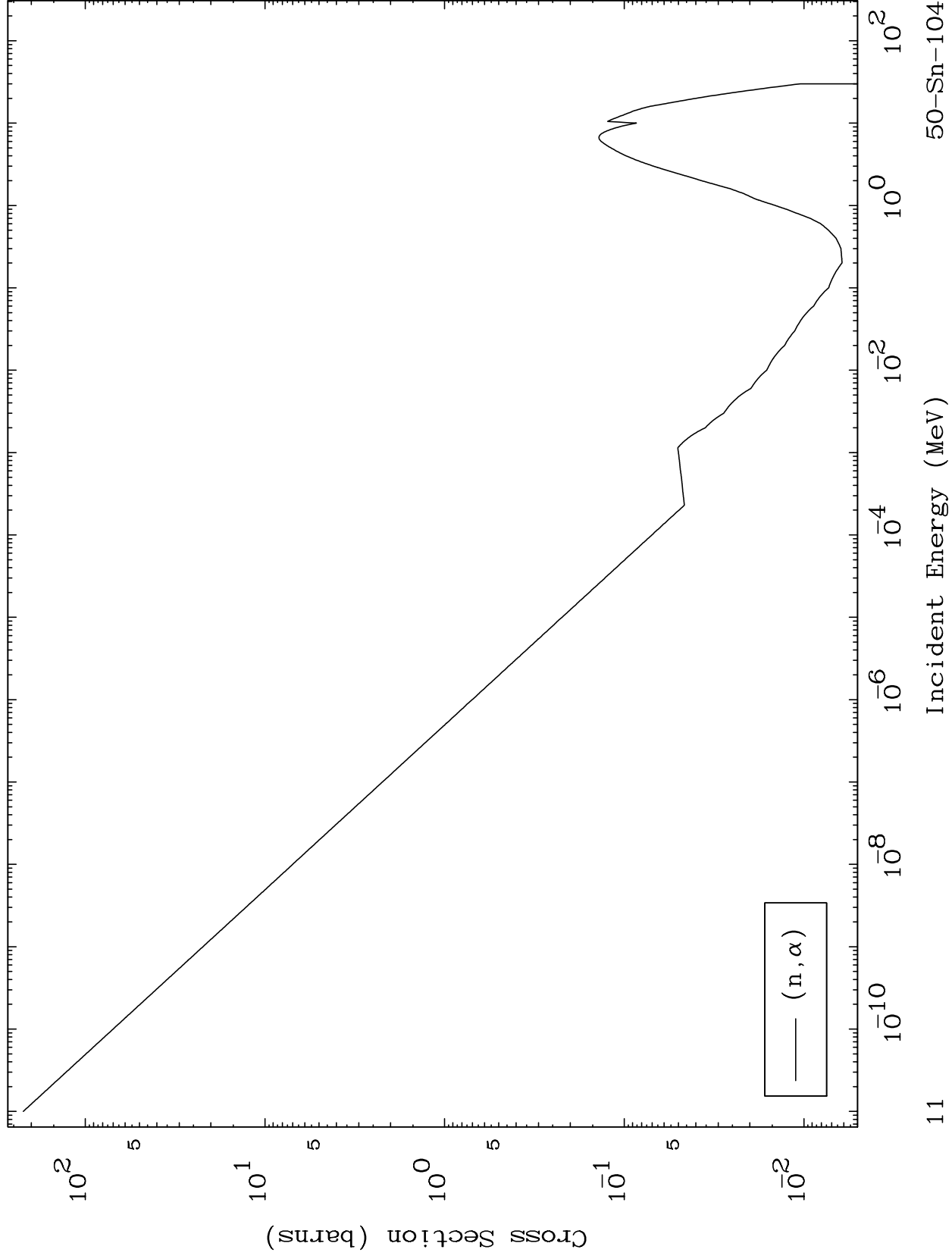
50-Sn-104

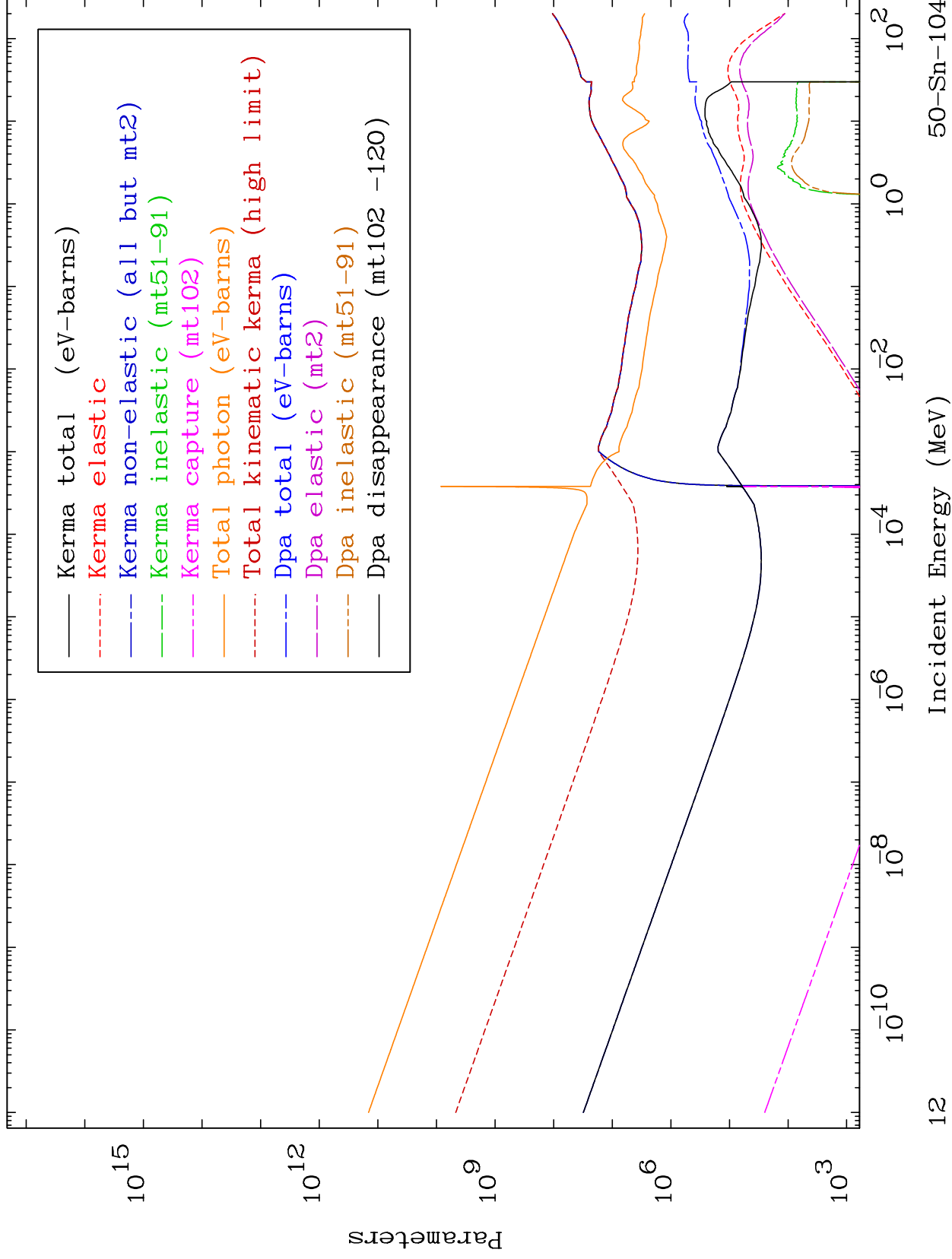


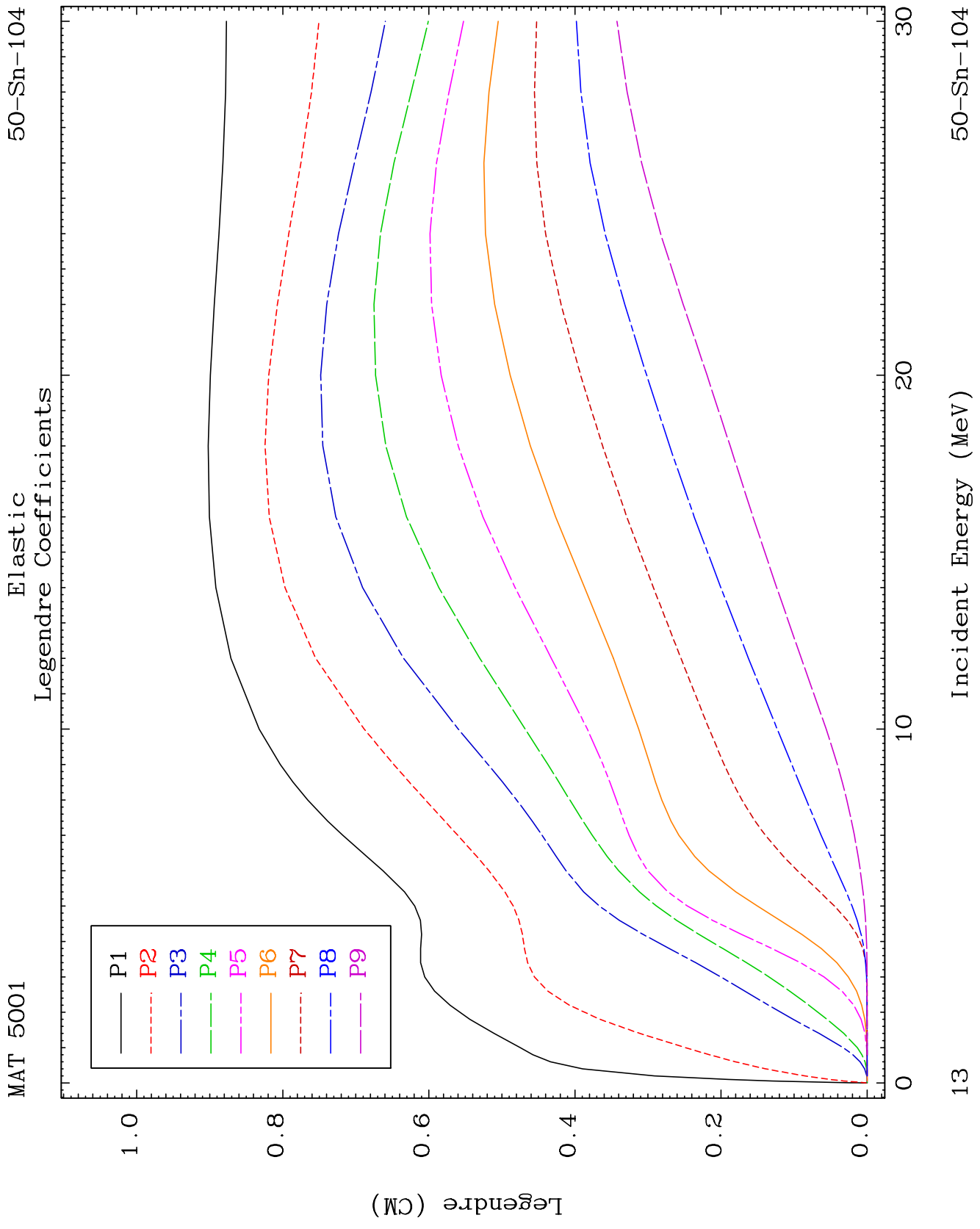
MAT 5001

(n,α) Levels  
293 Kelvin Cross Sections

50-Sn-104





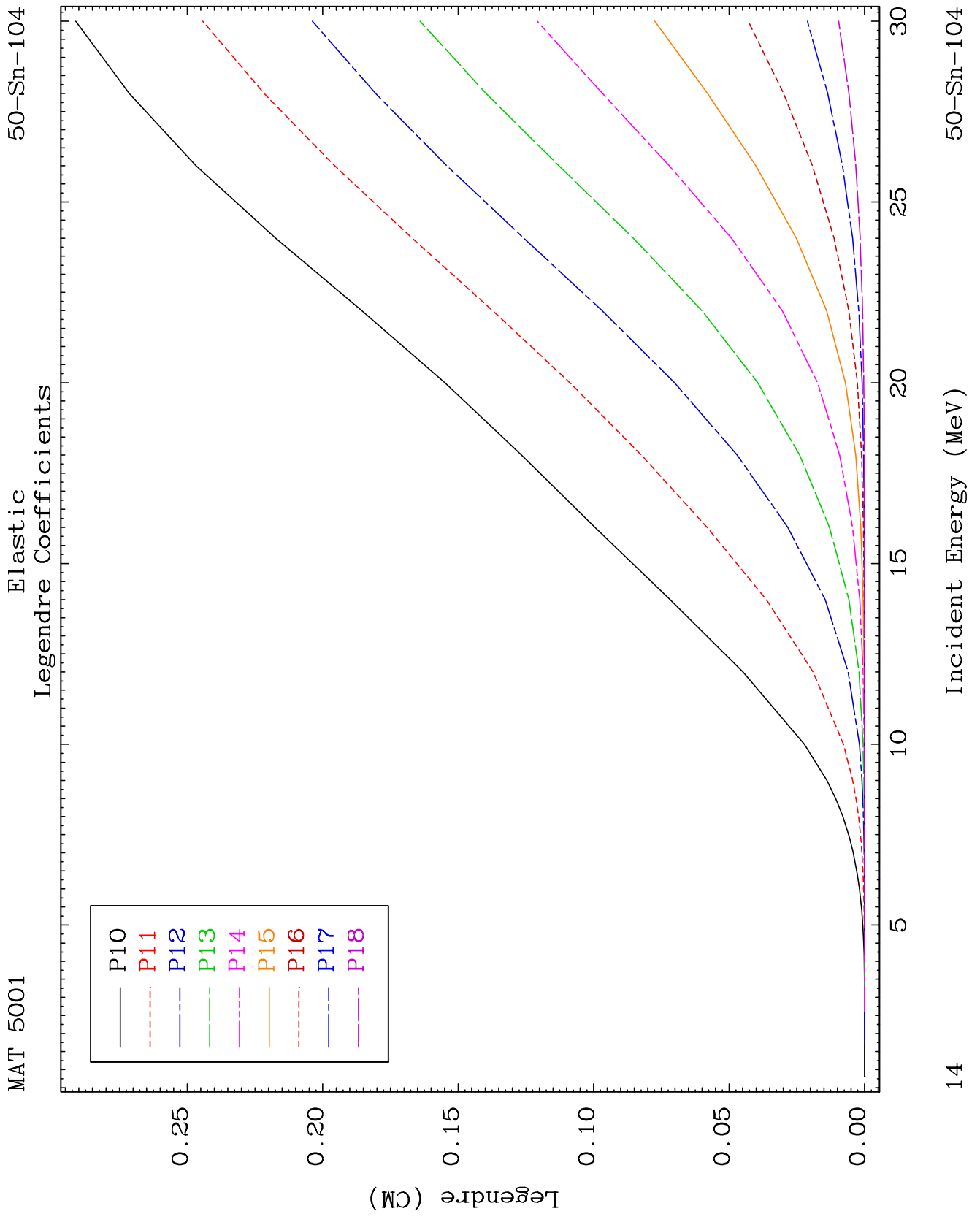


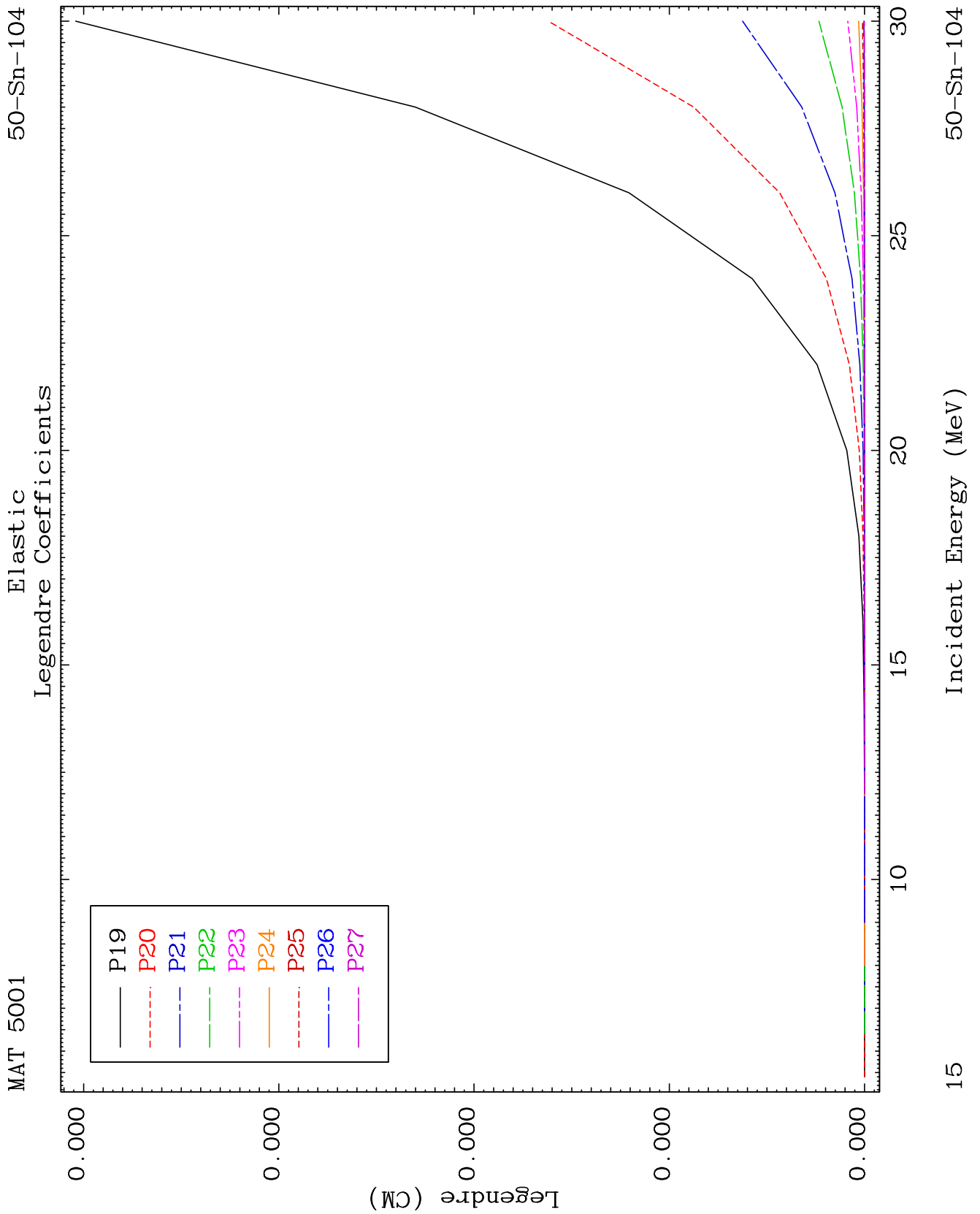
MAT 5001

50-Sn-104

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50-Sn-104



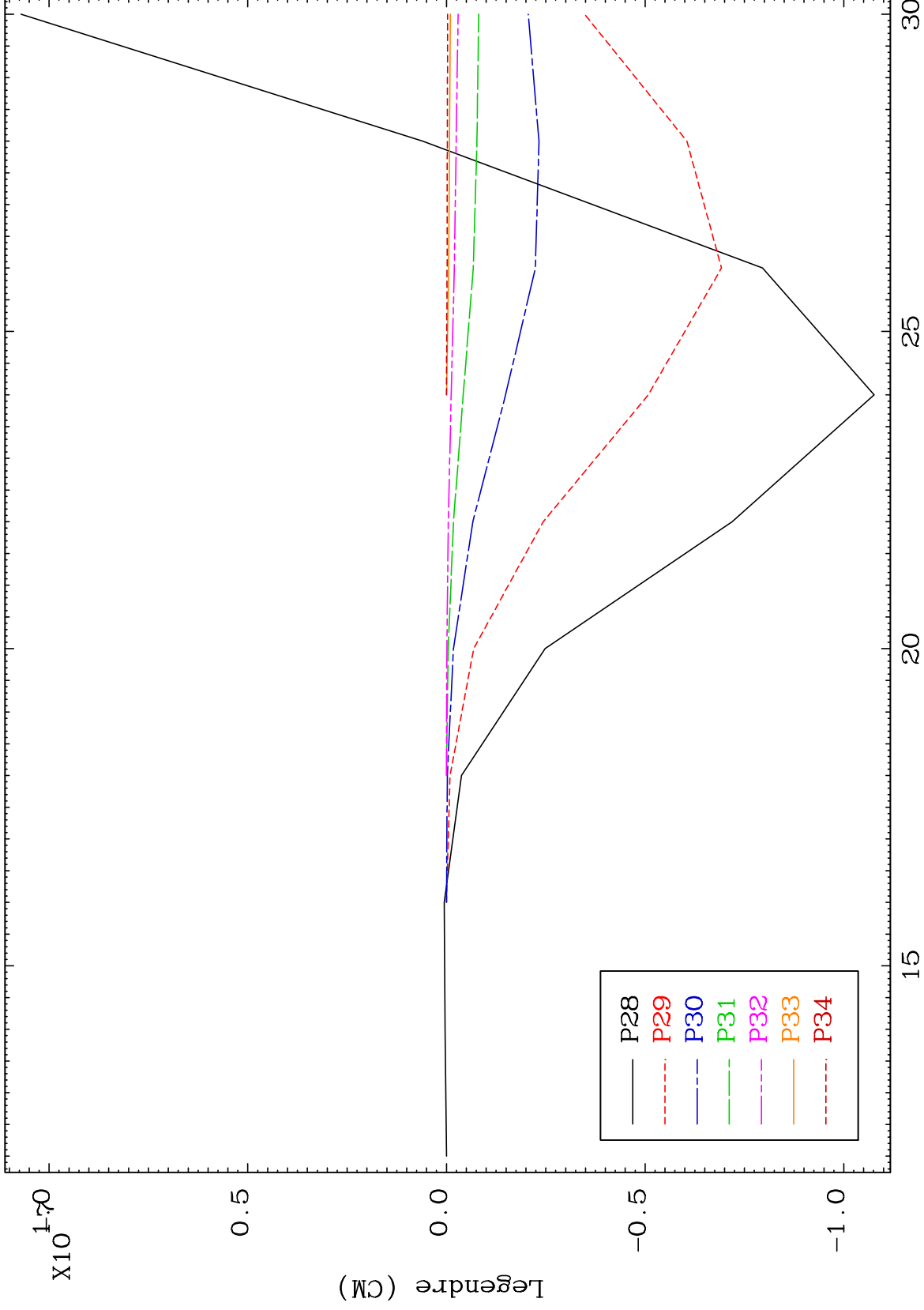




MAT 5001

Elastic  
Legendre Coefficients

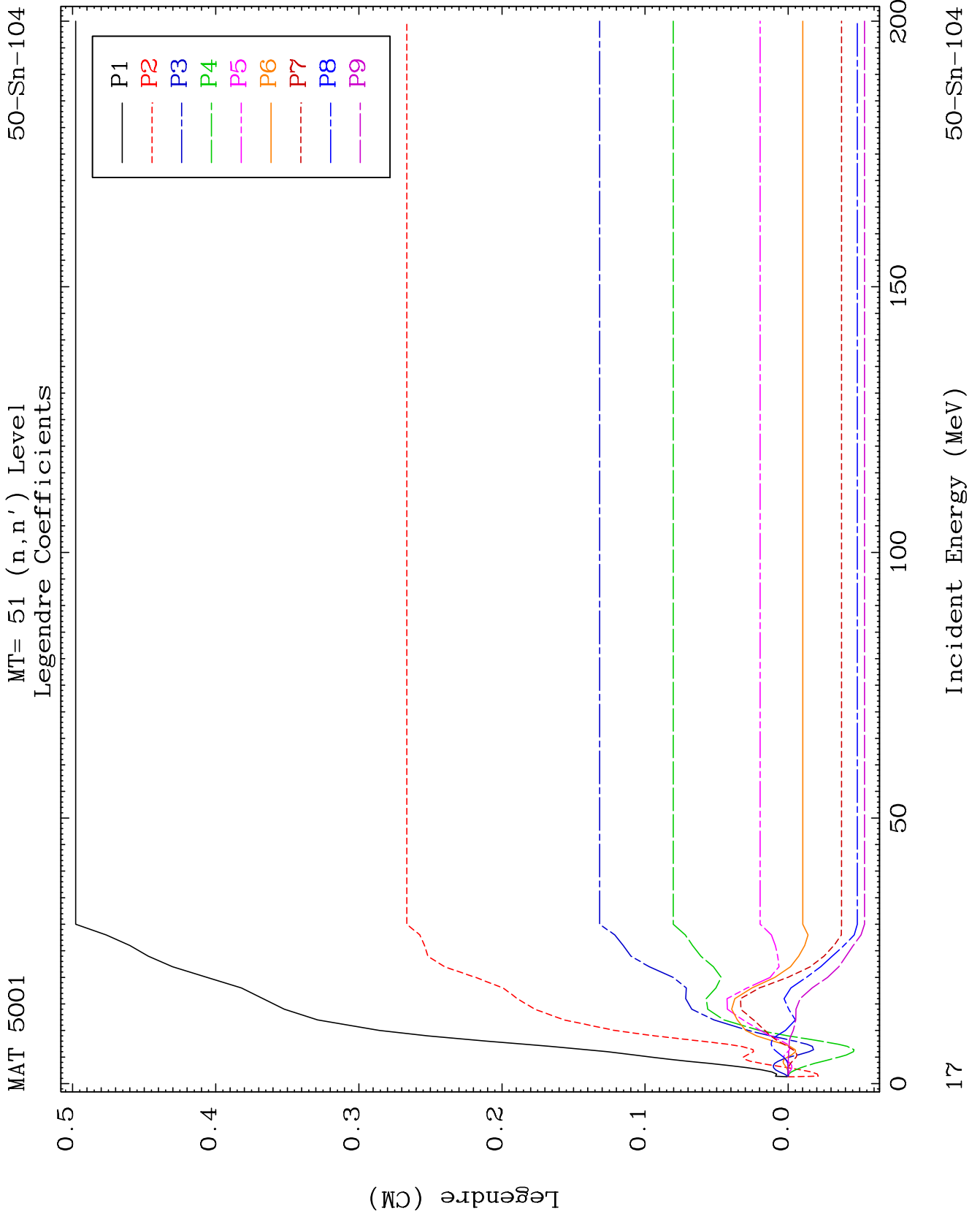
50-Sn-104

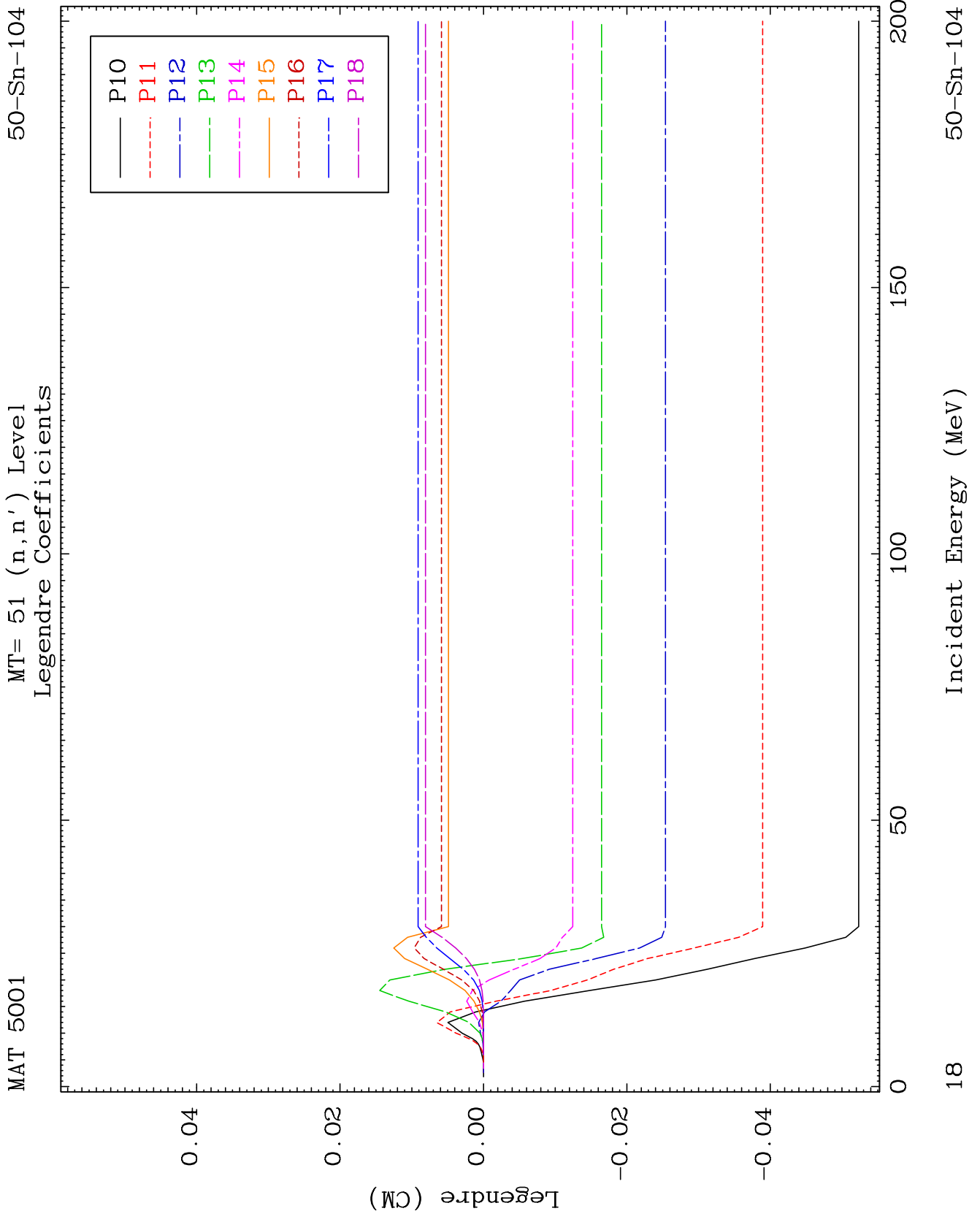


16

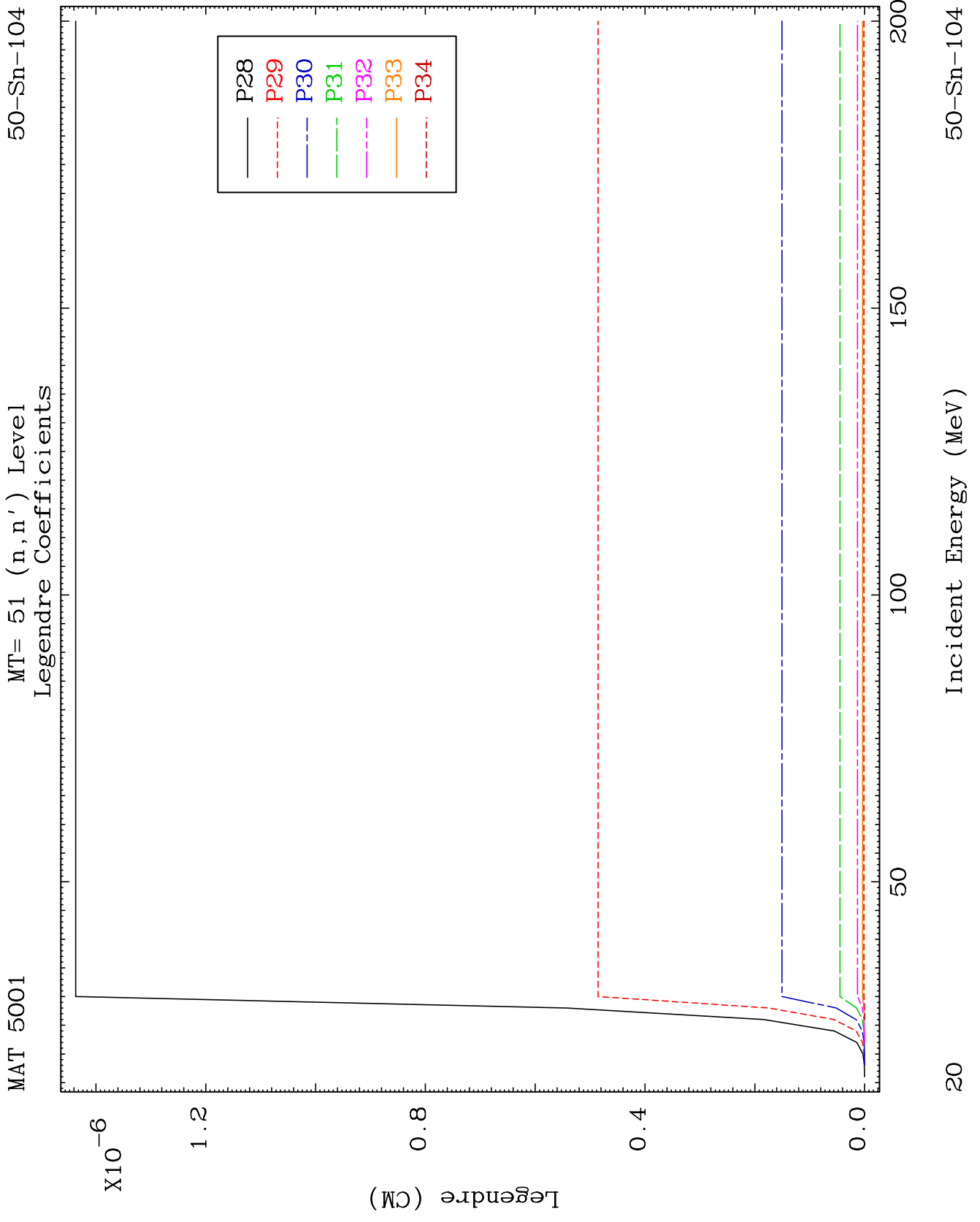
Incident Energy (MeV)

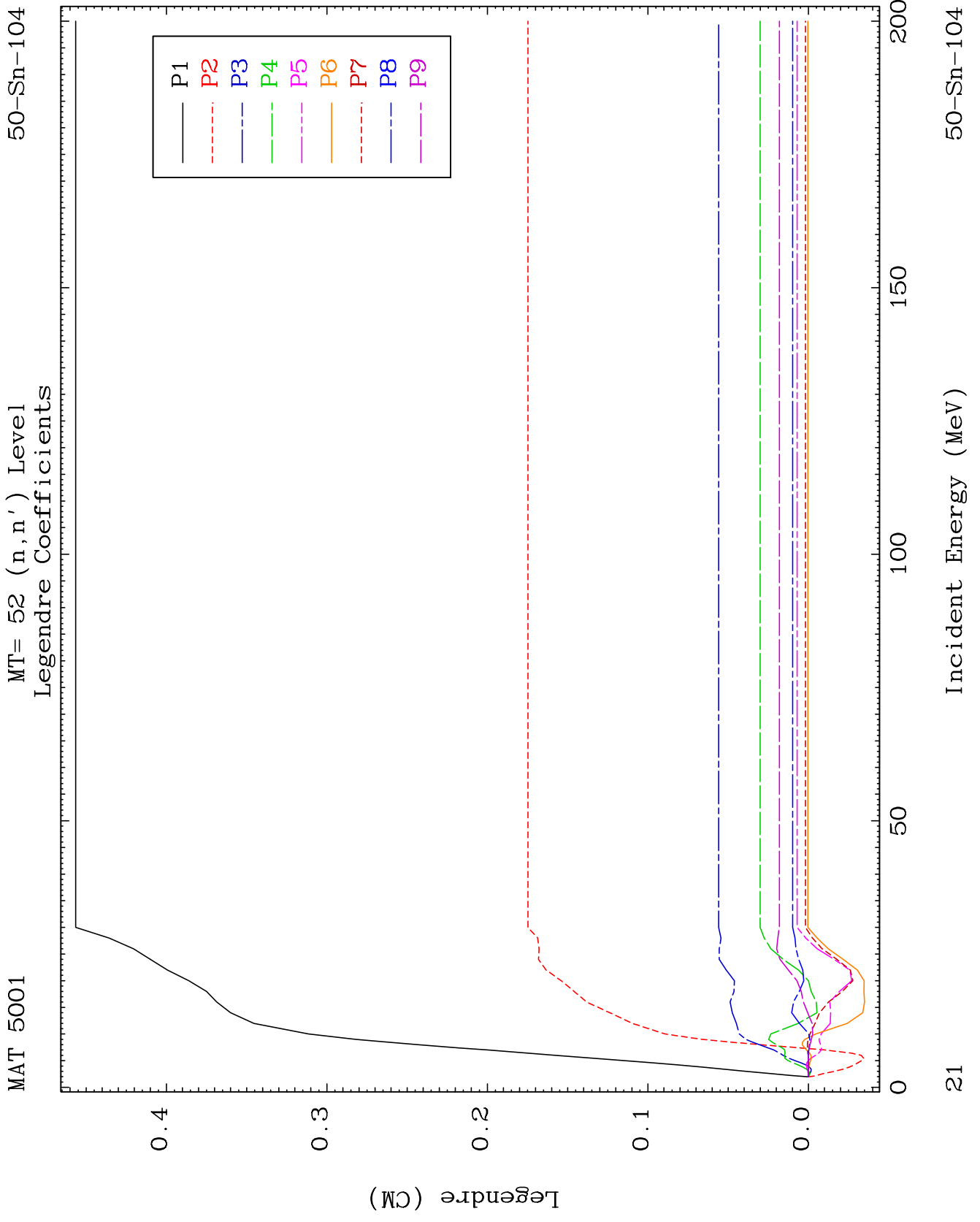
50-Sn-104

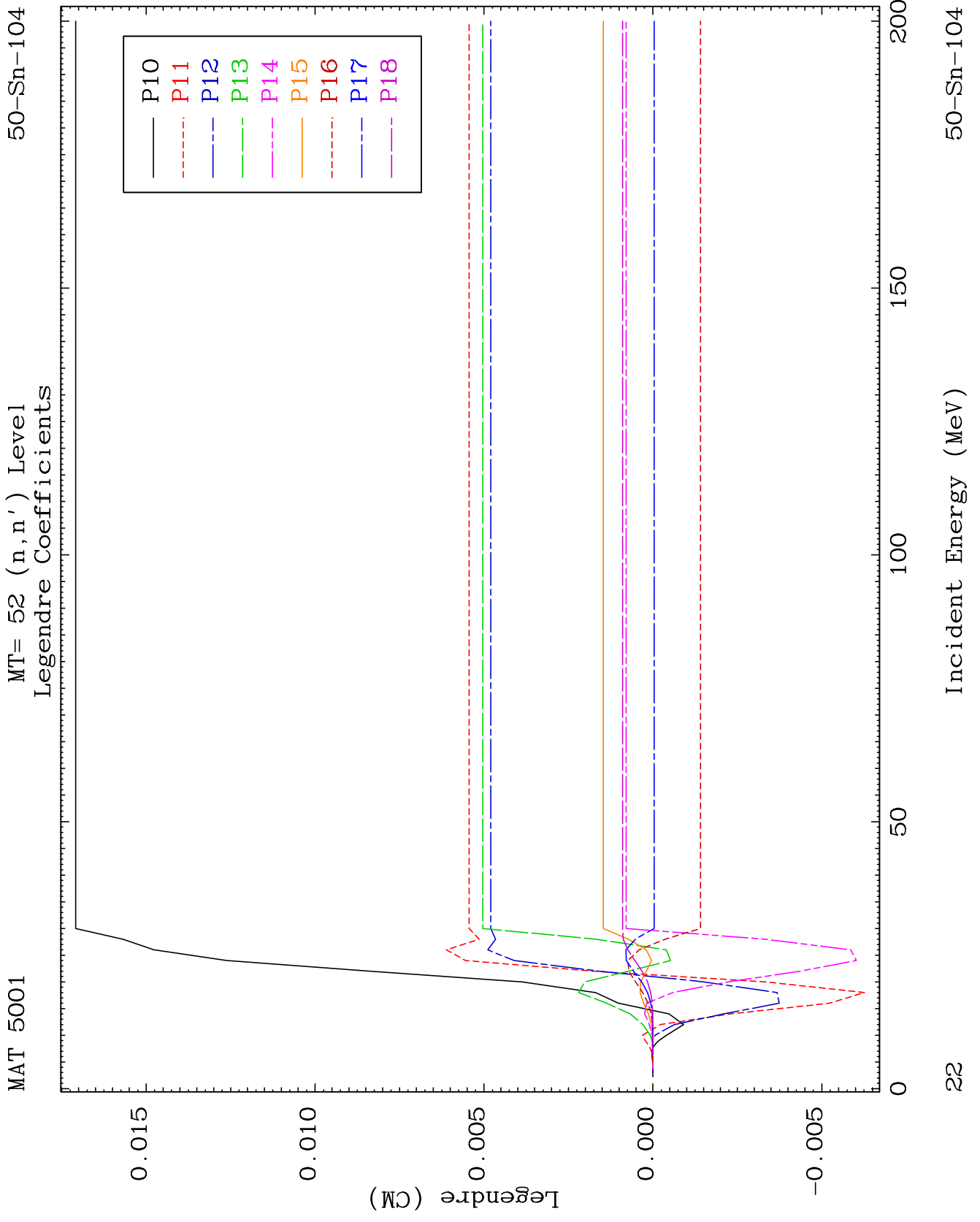








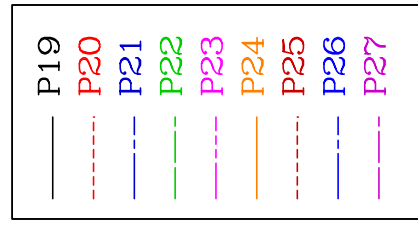




MAT 5001

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

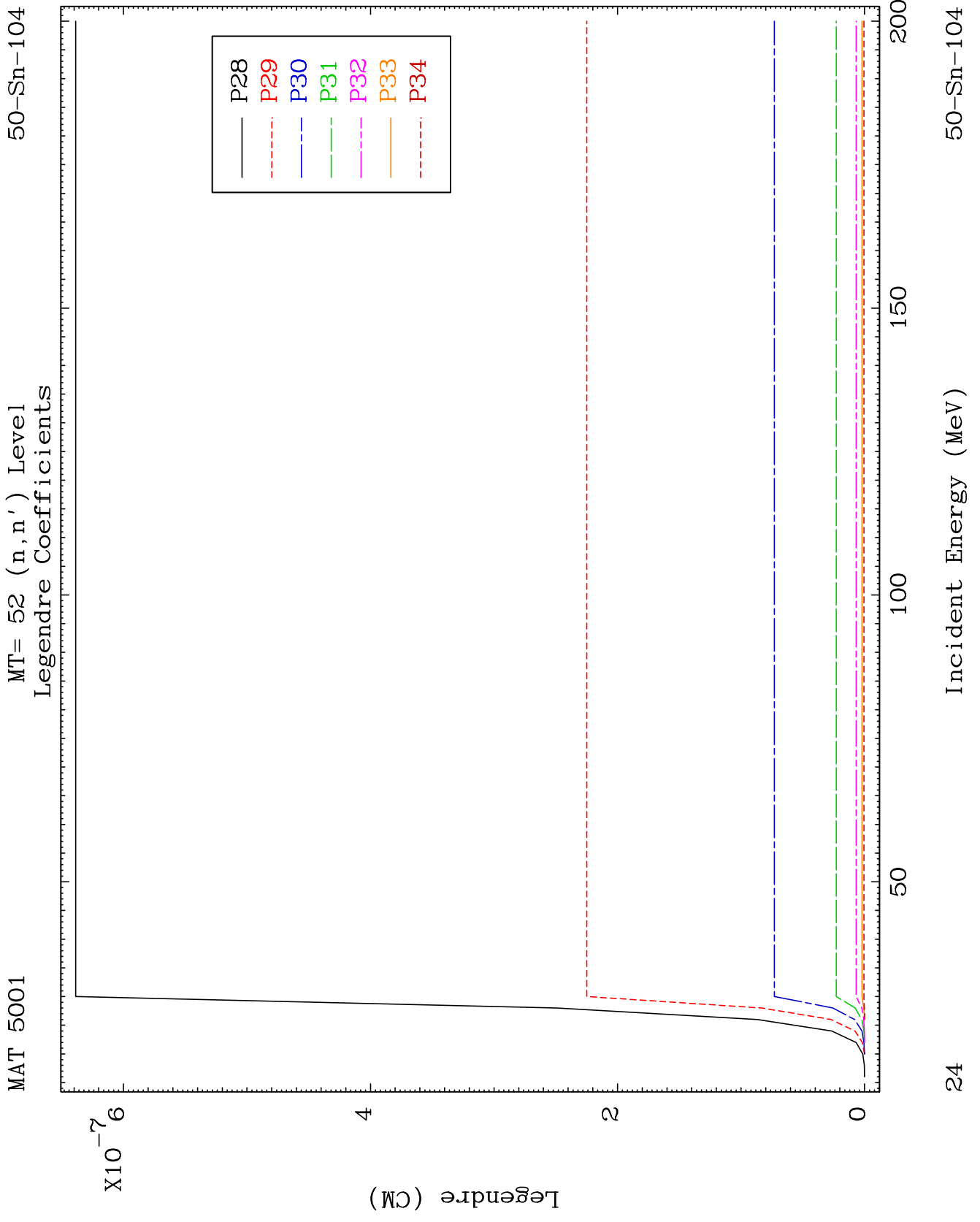
200

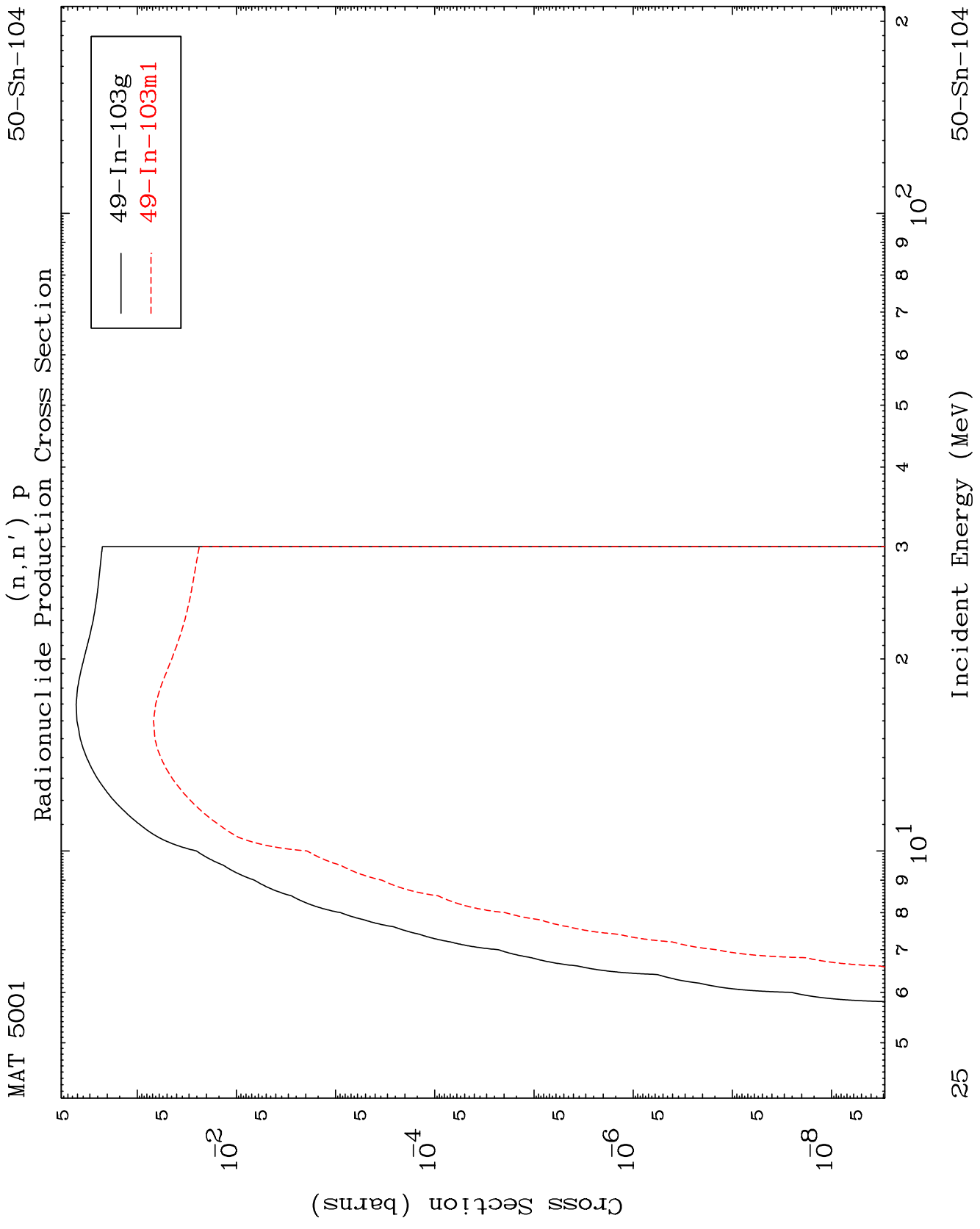
23

Incident Energy (MeV)

50-Sn-104





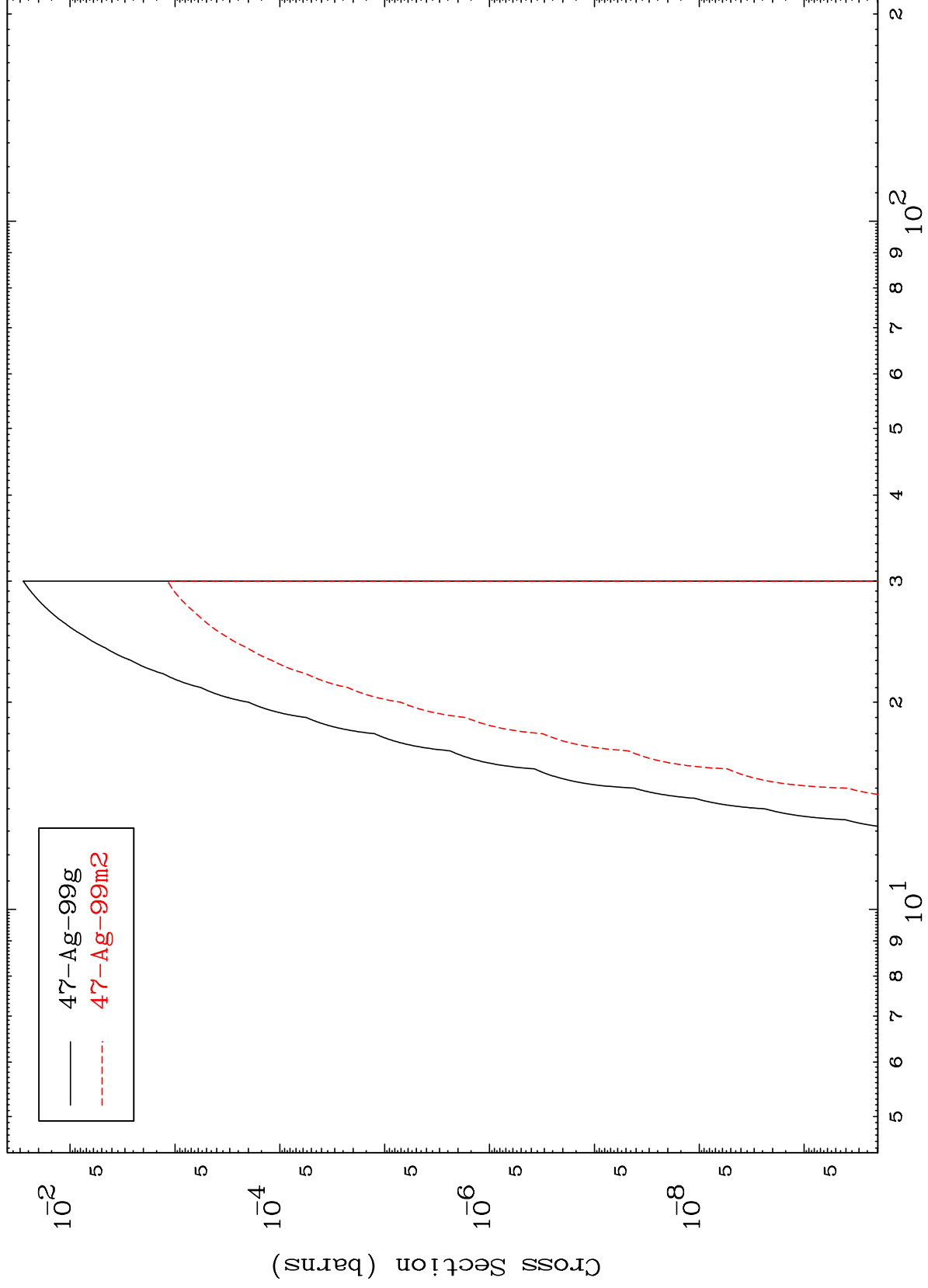


MAT 5001

(n,n') p  $\alpha$

50-Sn-104

Radionuclide Production Cross Section



26

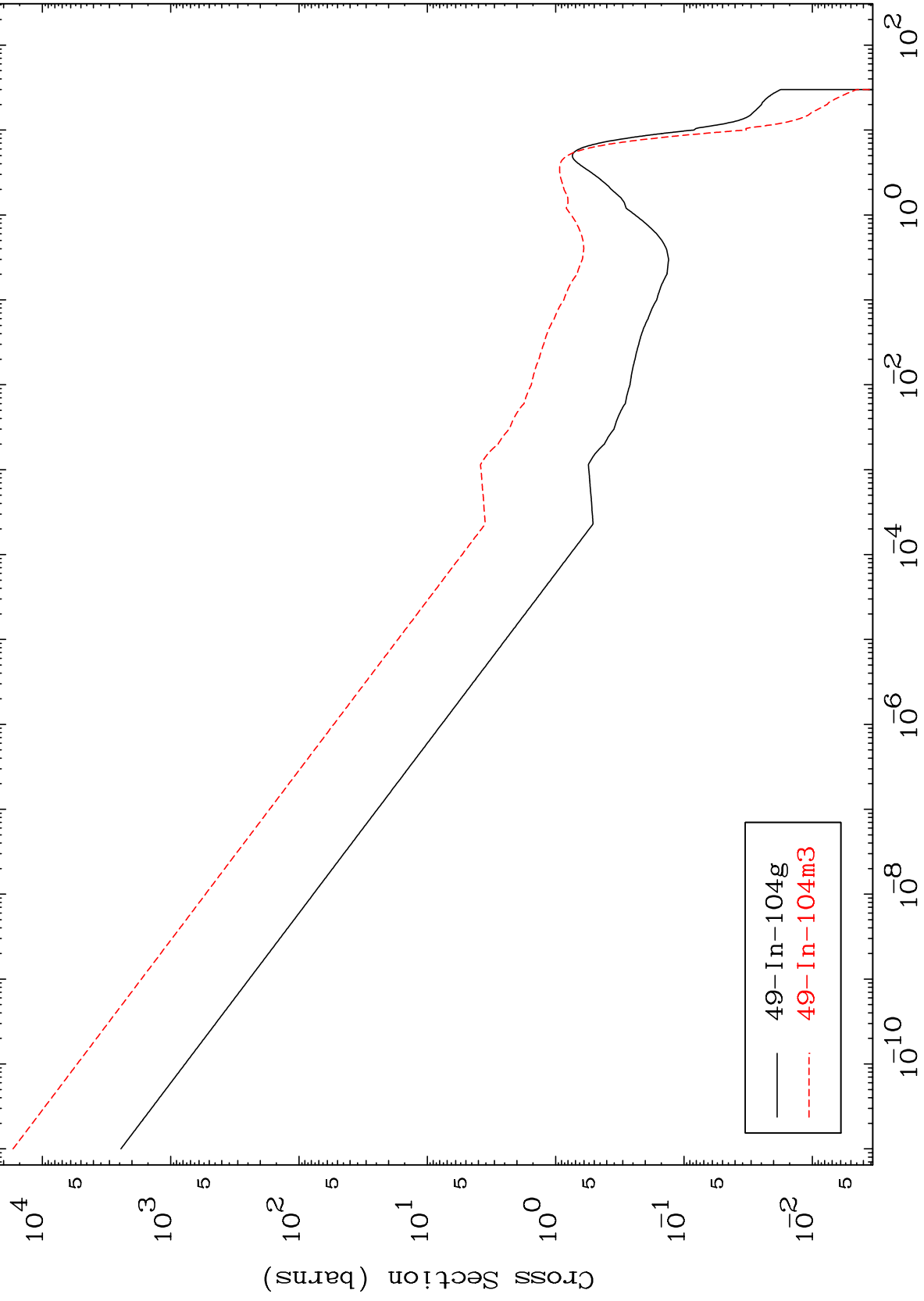
Incident Energy (MeV)

50-Sn-104

MAT 5001

50-Sn-104

(n,p)  
Radionuclide Production Cross Section

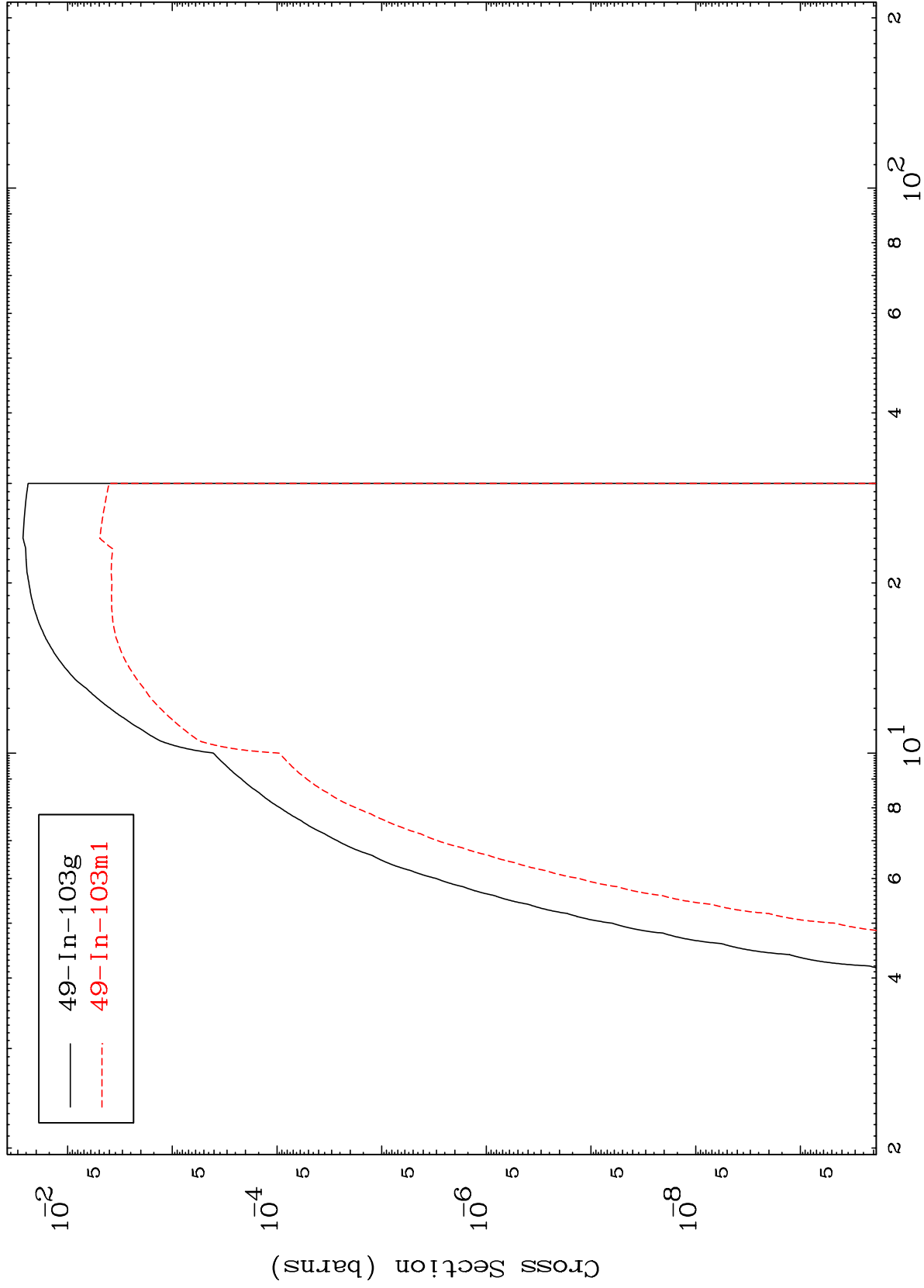


— 49-In-104g  
- - - 49-In-104m3

MAT 5001

50-Sn-104

(n,d)  
Radionuclide Production Cross Section



28

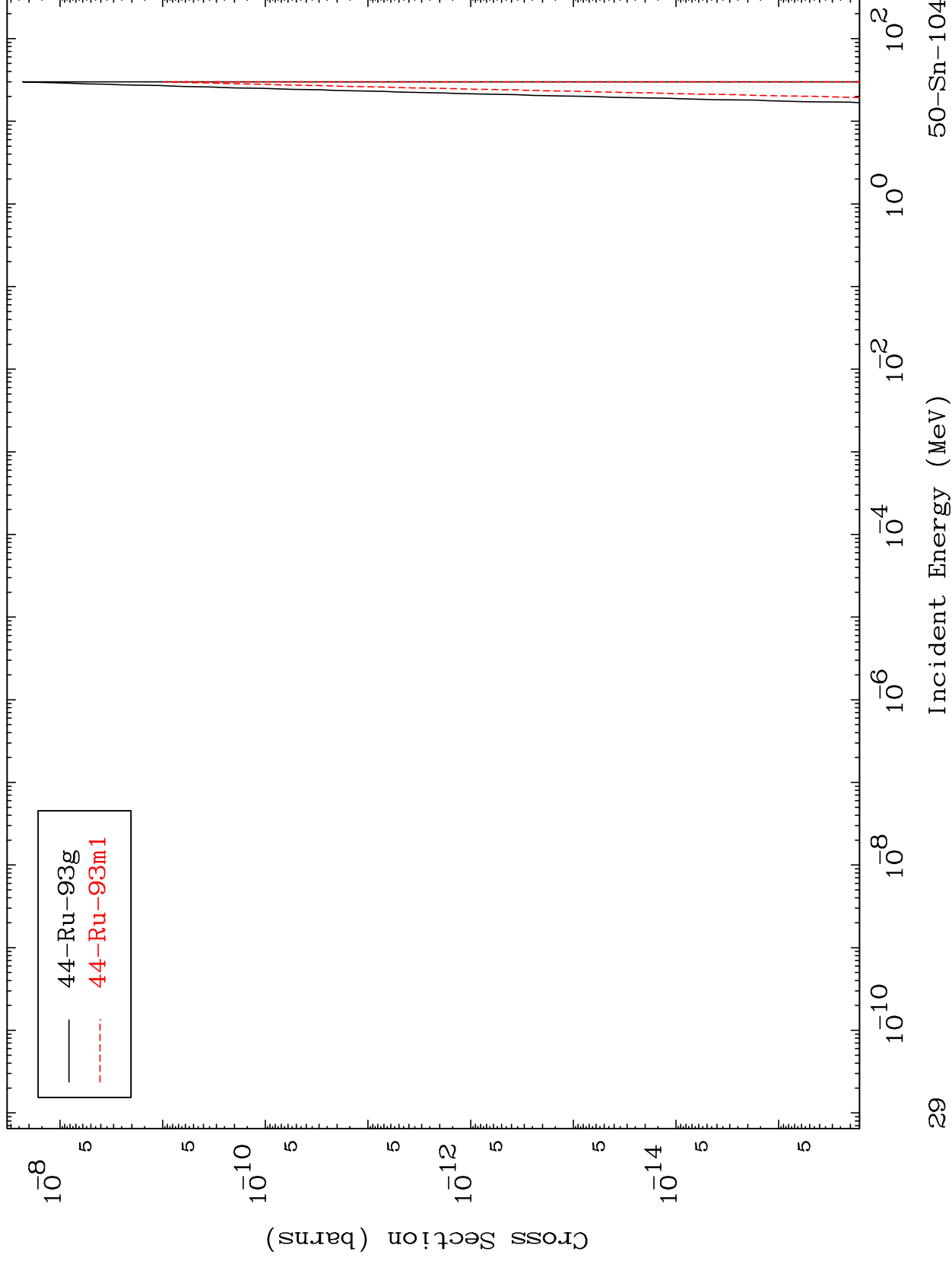
Incident Energy (MeV)

50-Sn-104

MAT 5001

50-Sn-104

(n,3α)  
Radionuclide Production Cross Section

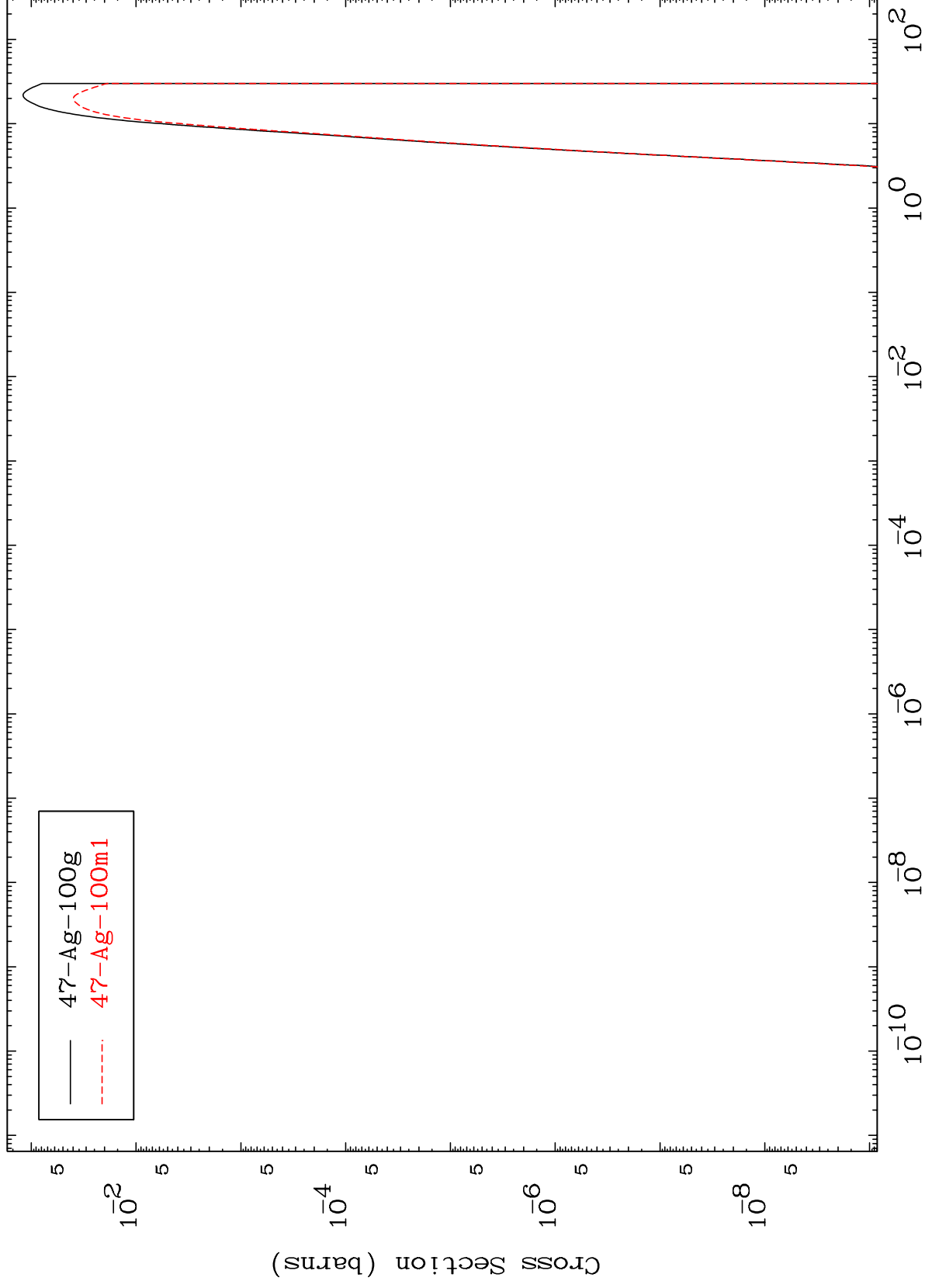


MAT 5001

(n,p)  $\alpha$

50-Sn-104

Radionuclide Production Cross Section



30

Incident Energy (MeV)

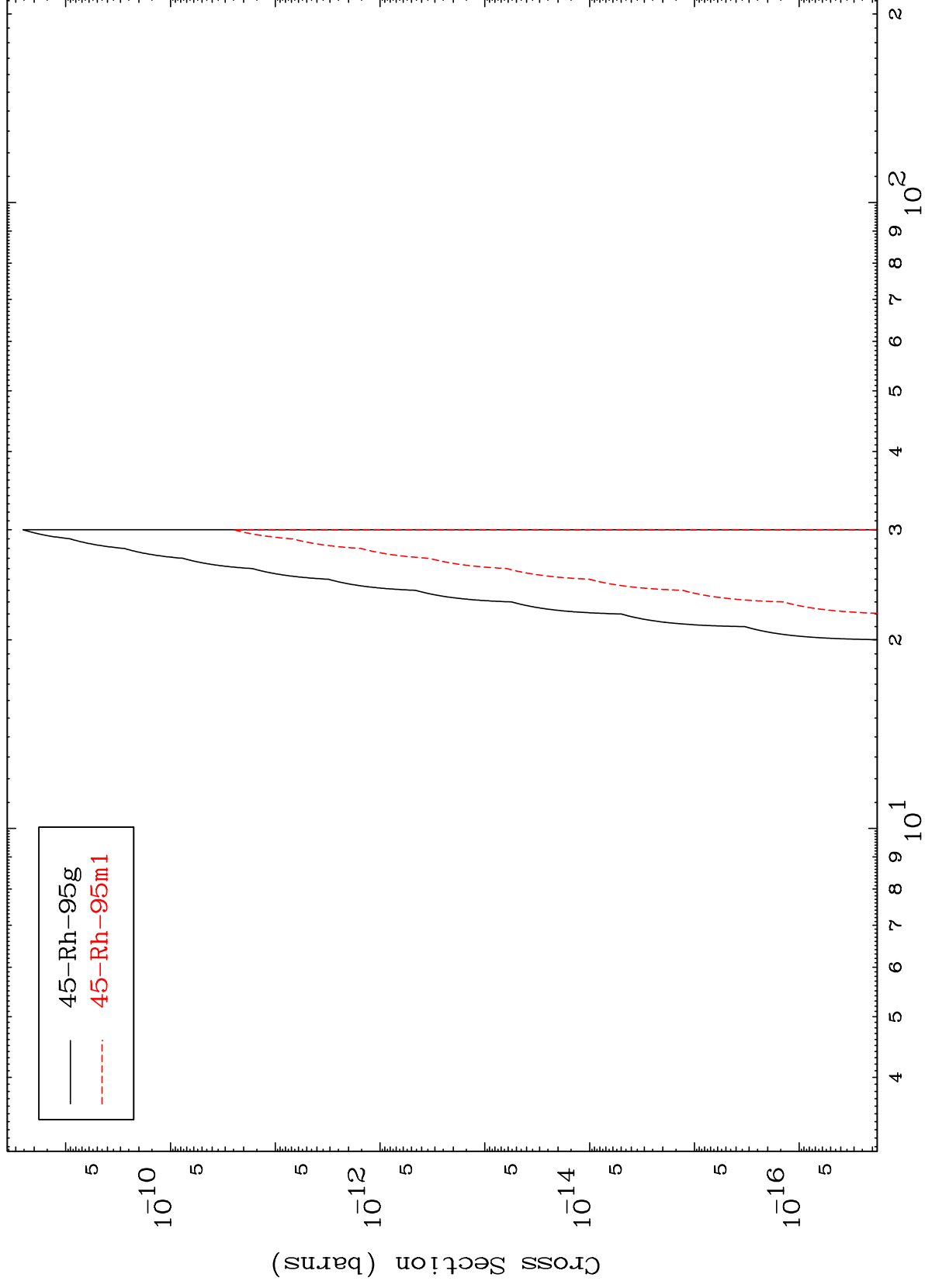
50-Sn-104

MAT 5001

(n,d) 2 $\alpha$

50-Sn-104

Radionuclide Production Cross Section



31

Incident Energy (MeV)

50-Sn-104

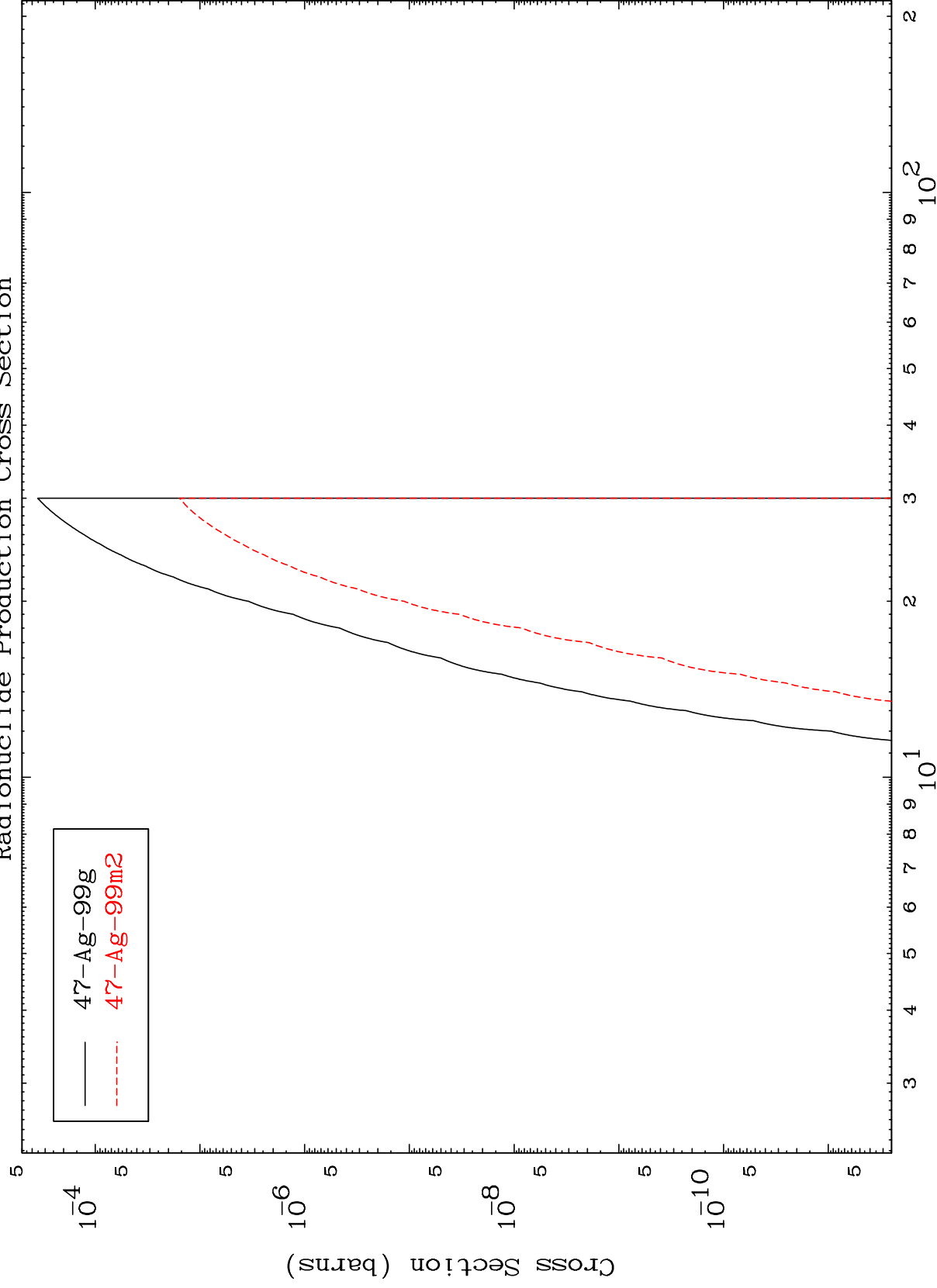


MAT 5001

50-Sn-104

(n,d)  $\alpha$

Radionuclide Production Cross Section



32

Incident Energy (MeV)

50-Sn-104