

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

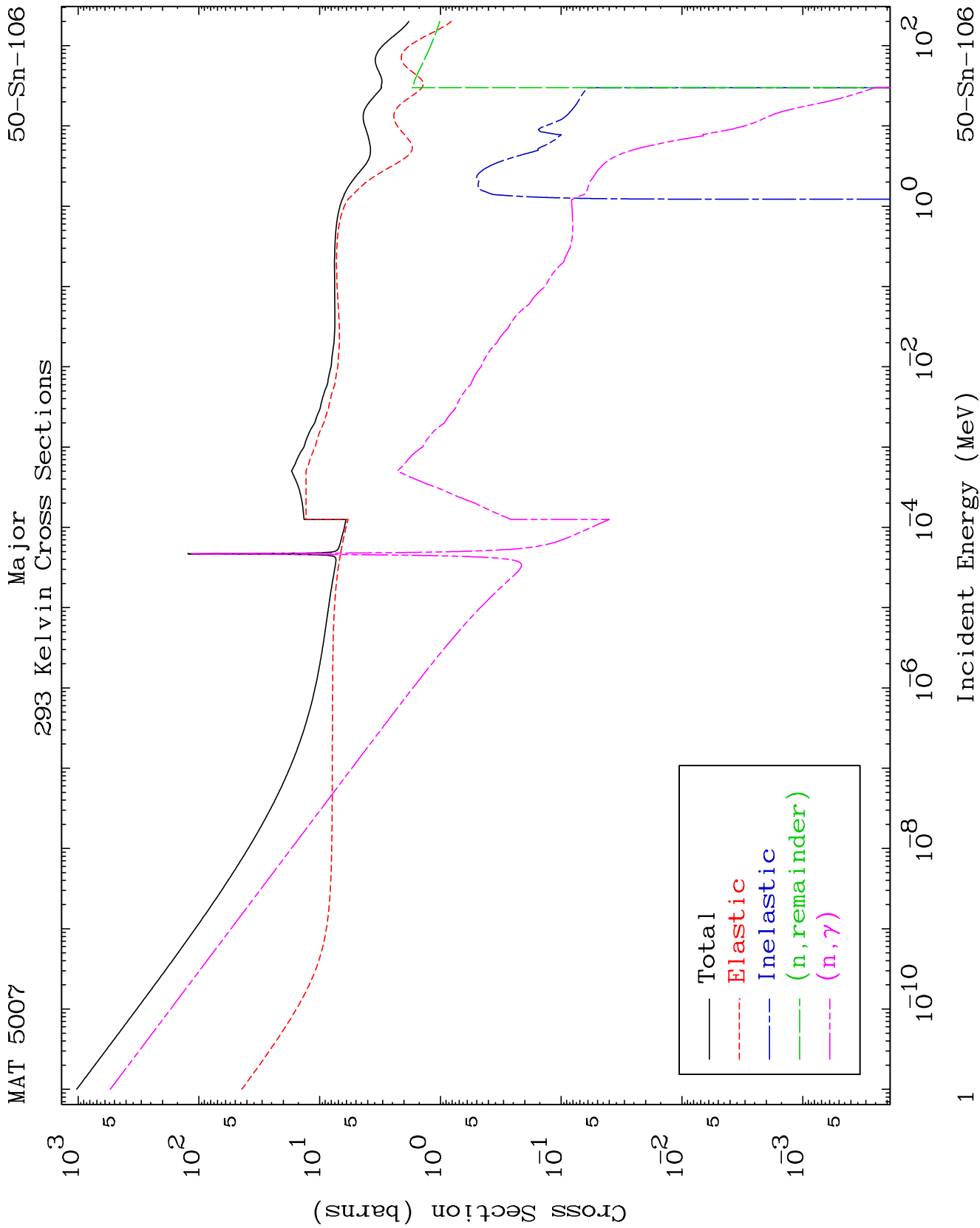
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

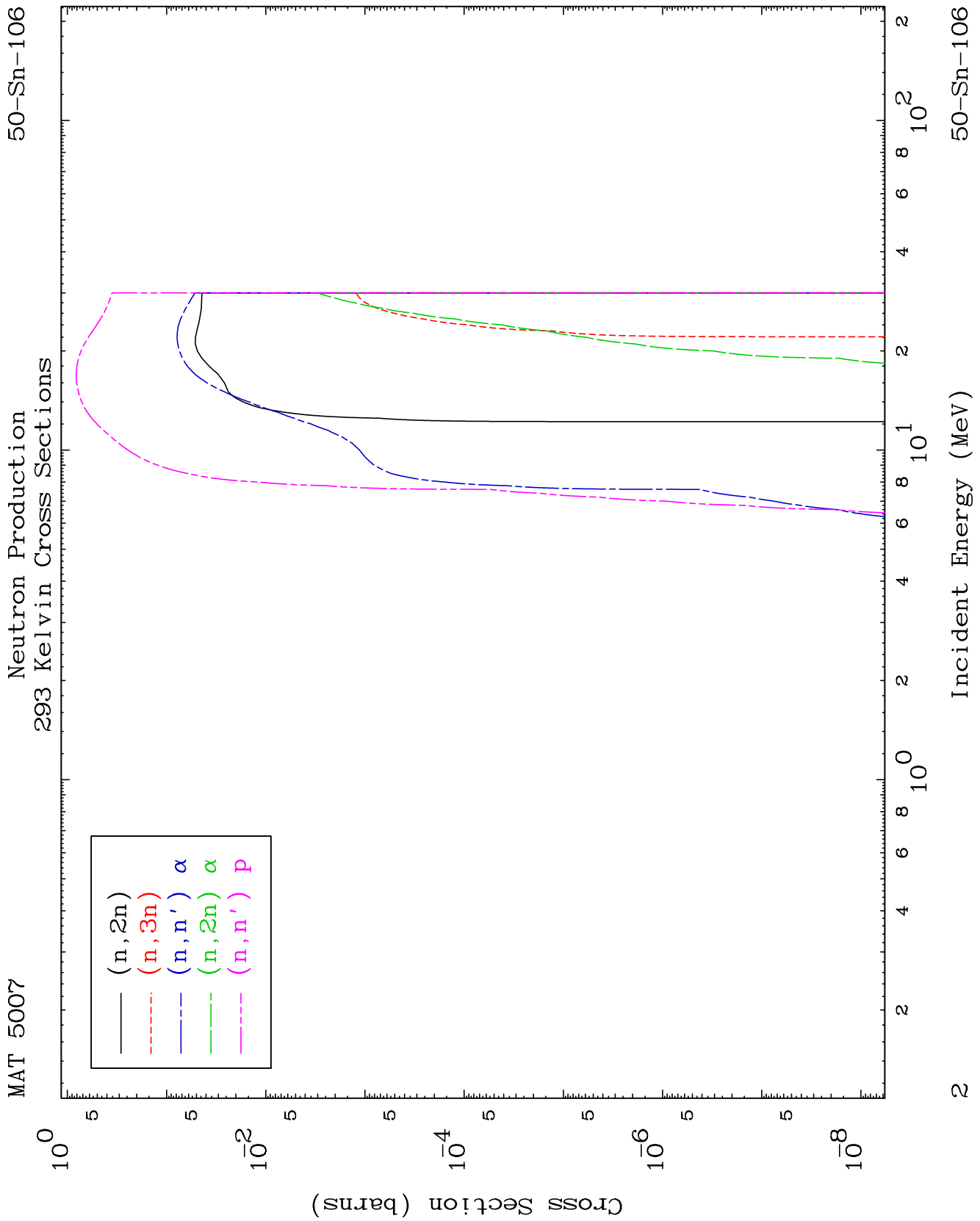
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

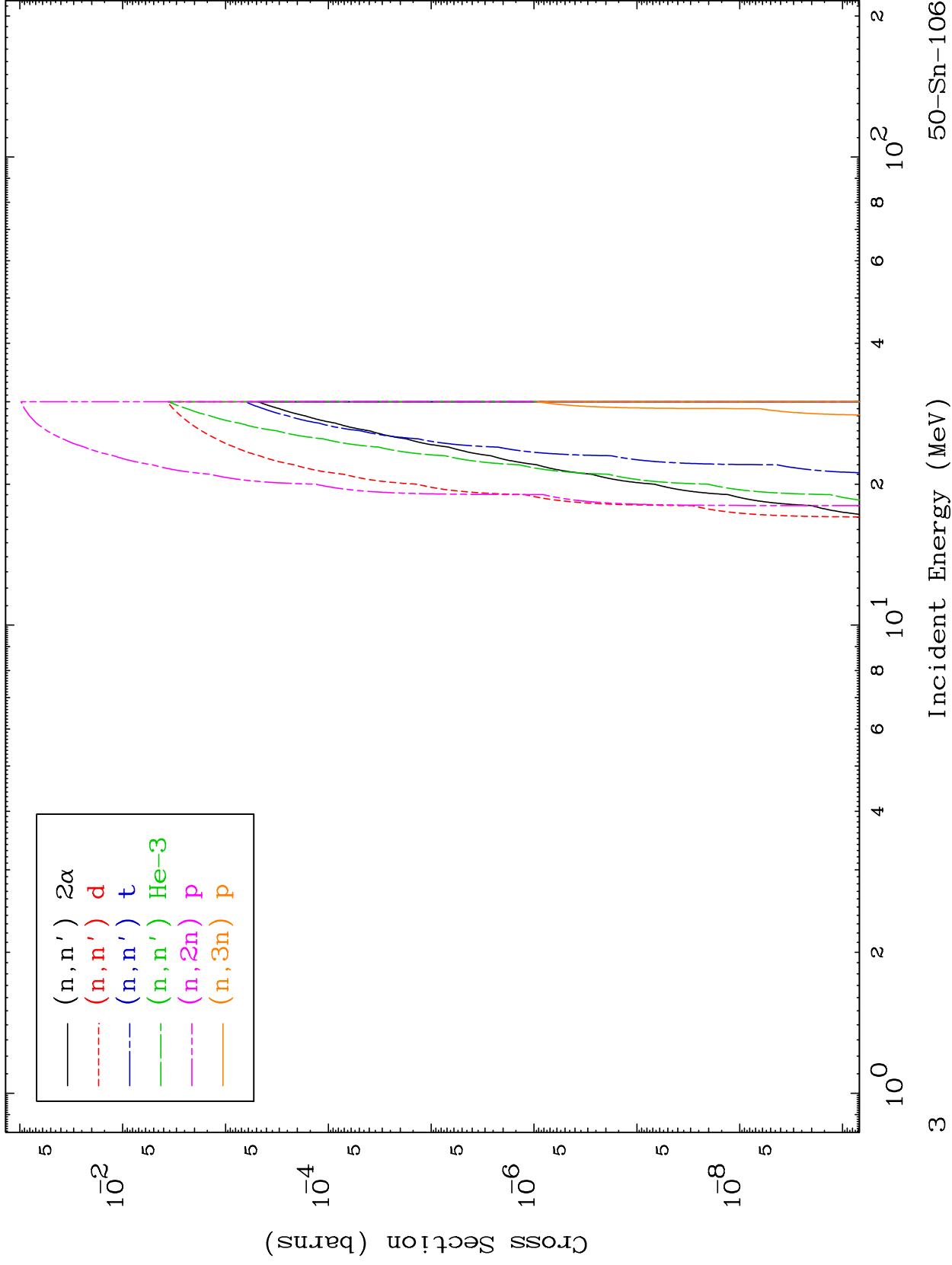




MAT 5007

Neutron Production  
293 Kelvin Cross Sections

50-Sn-106



(n, n') 2 $\alpha$   
(n, n') d  
(n, n') t  
(n, n') He-3  
(n, 2n) p  
(n, 3n) p

3

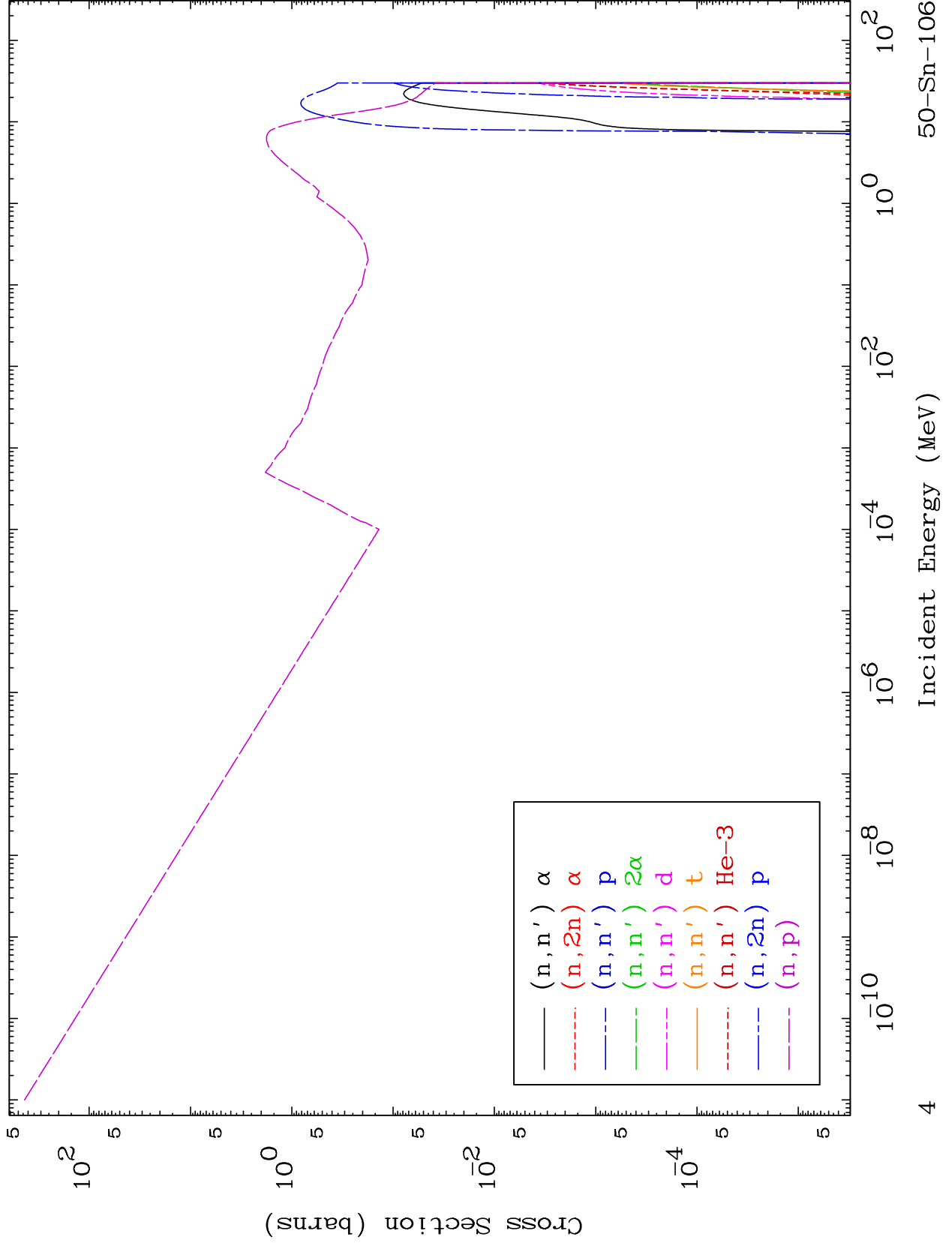
Incident Energy (MeV)

50-Sn-106

MAT 5007

Charged Particle  
293 Kelvin Cross Sections

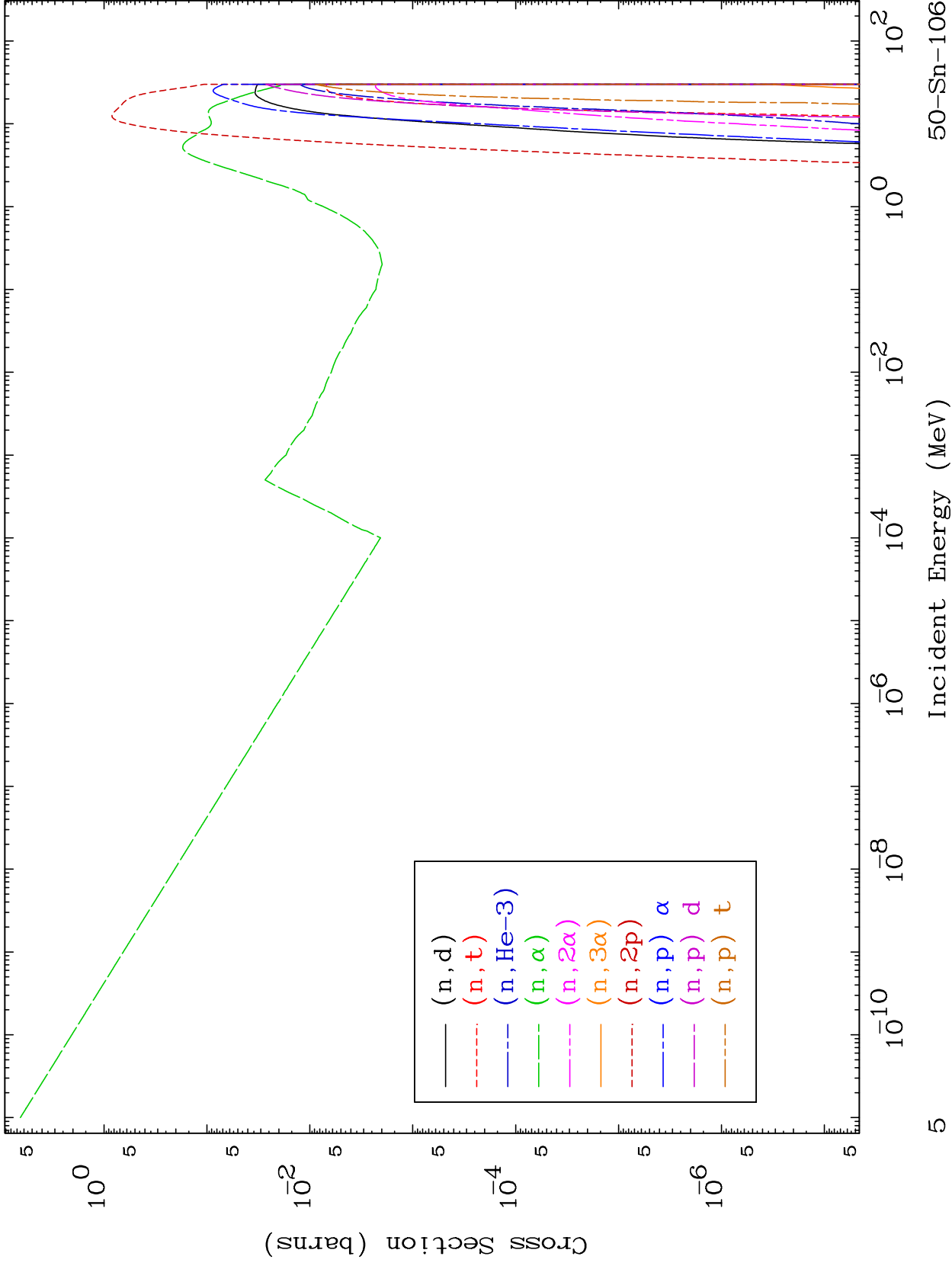
50-Sn-106



MAT 5007

Charged Particle  
293 Kelvin Cross Sections

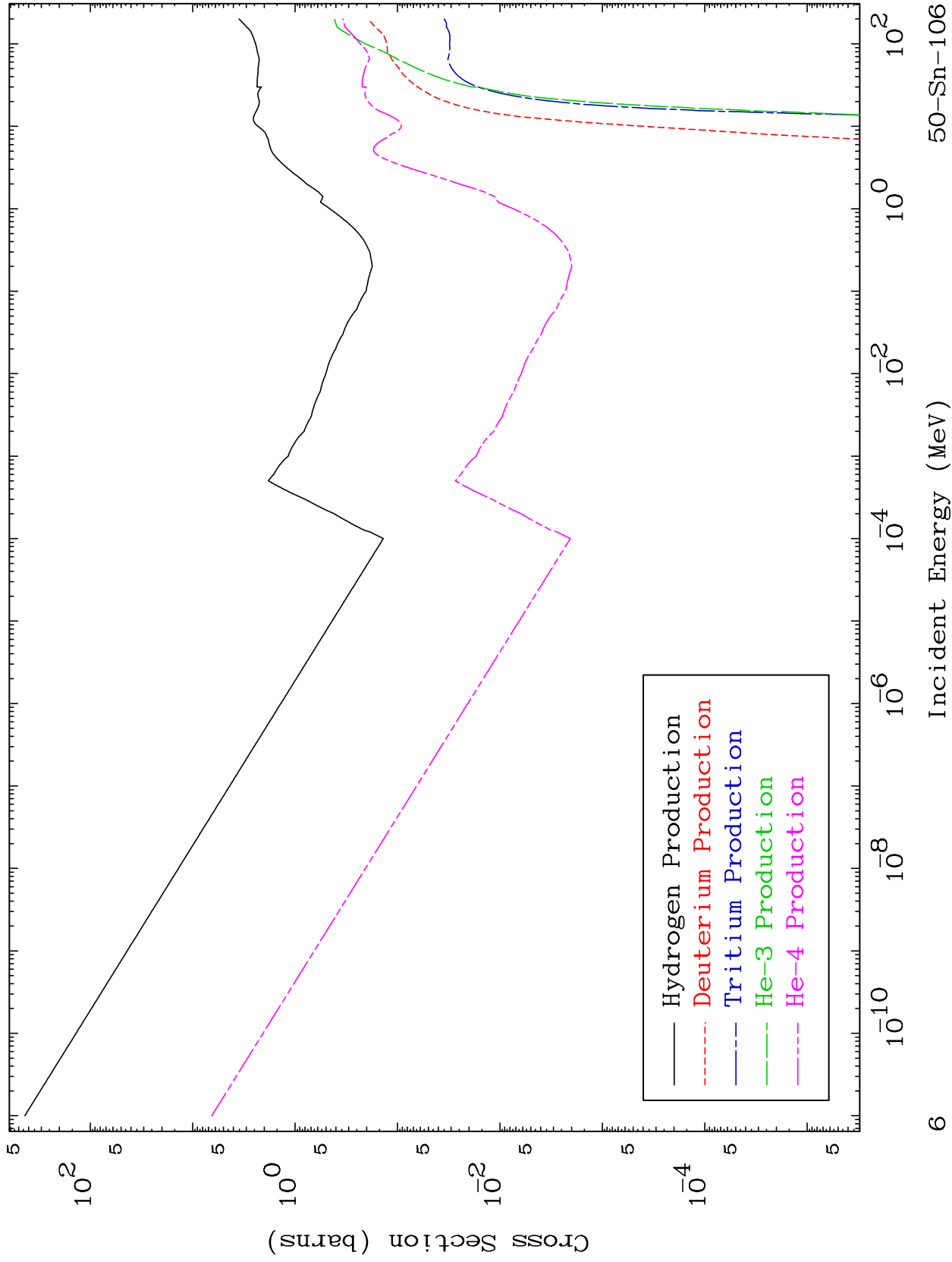
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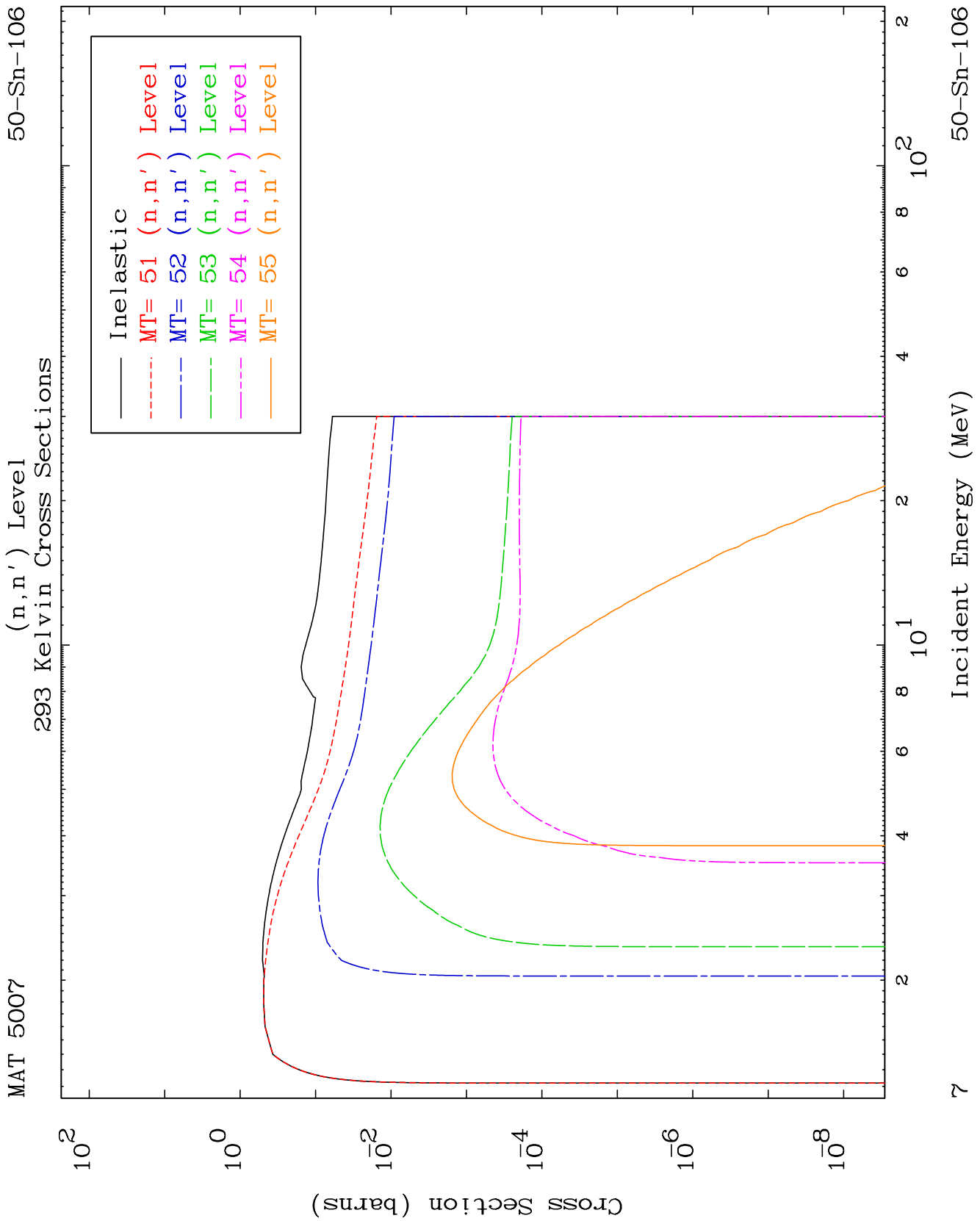


MAT 5007

Particle Production  
293 Kelvin Cross Sections

50-Sn-106





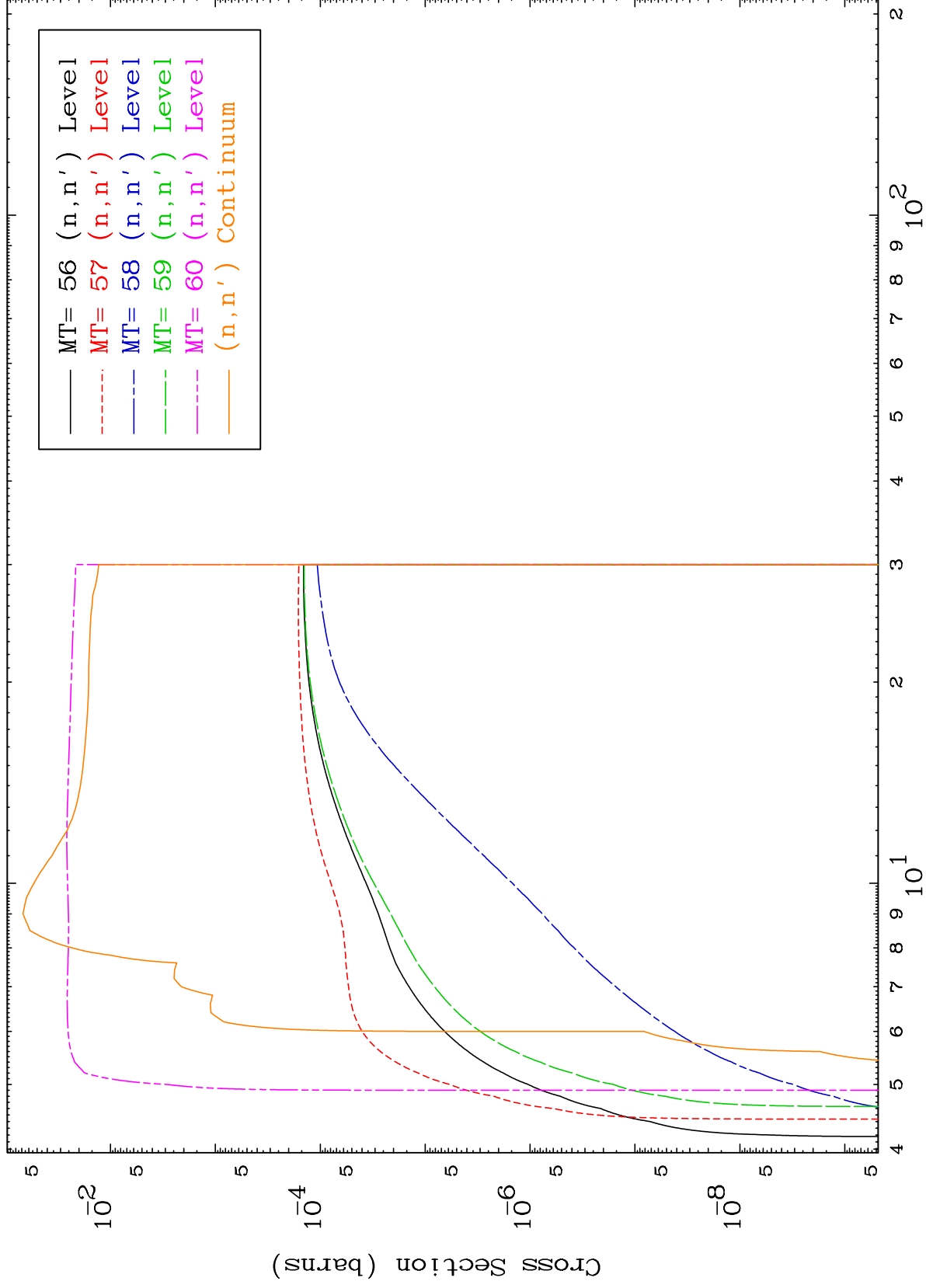


MAT 5007

(n,n') Level

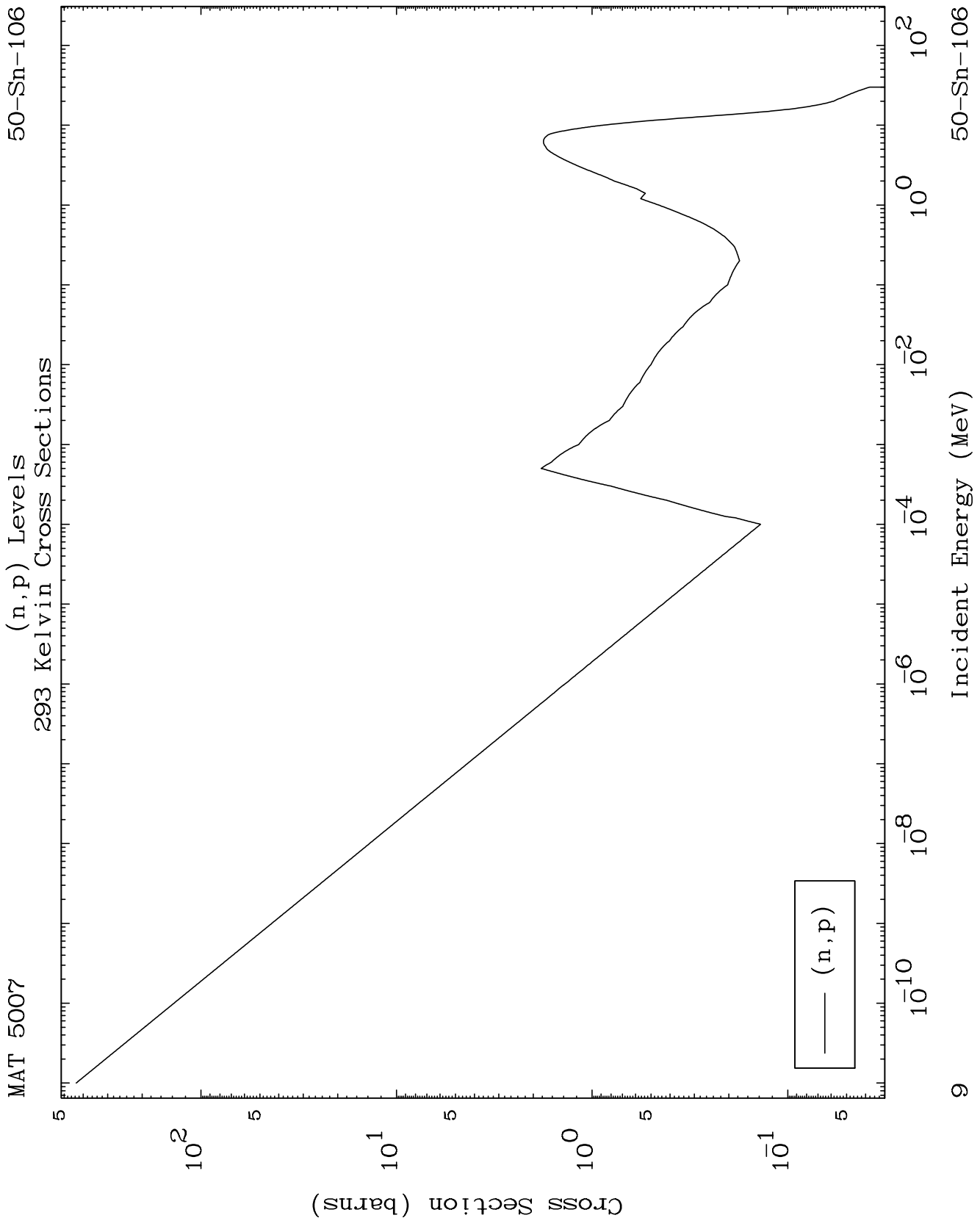
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293 Kelvin Cross Sections



Incident Energy (MeV)

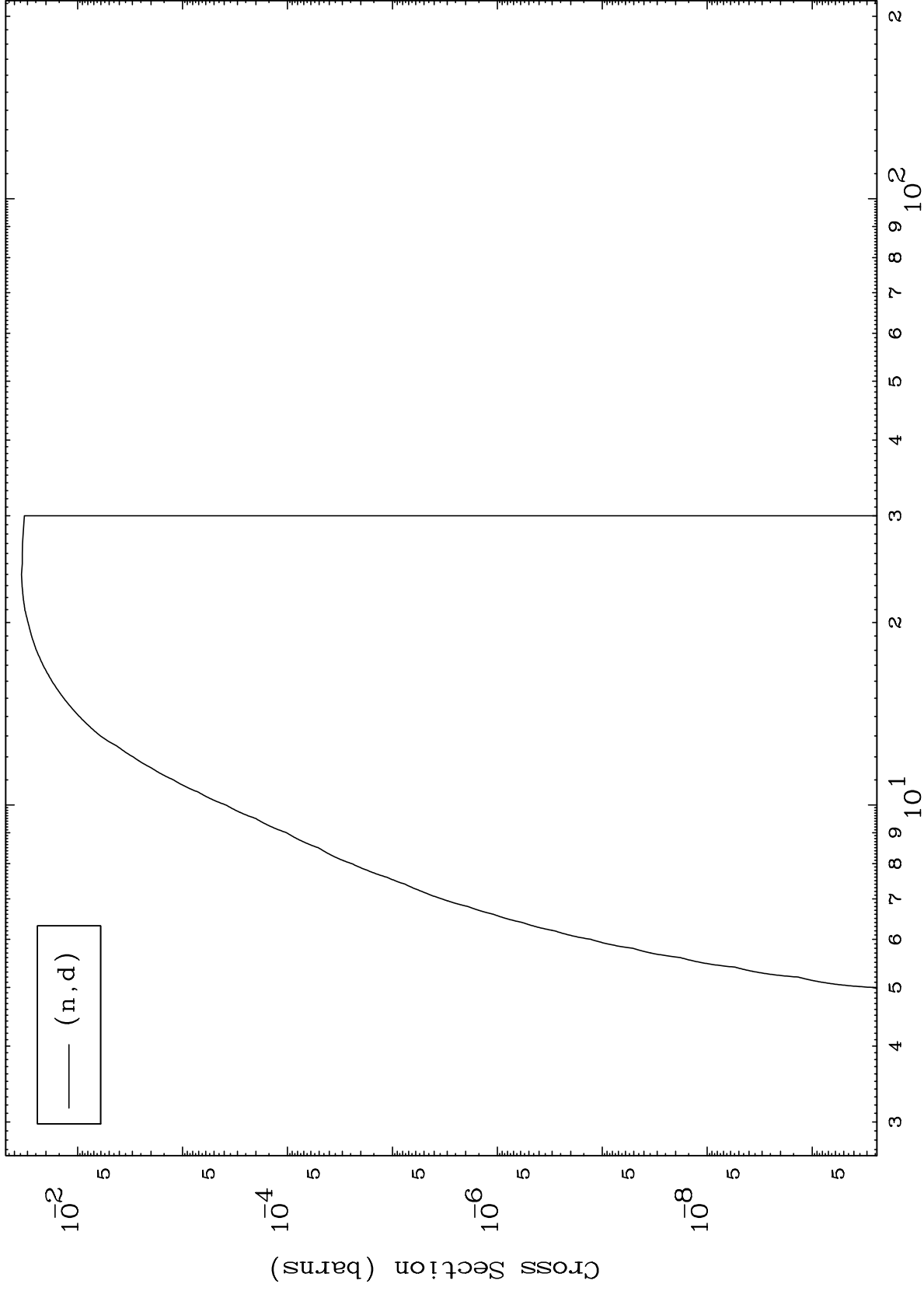
50-Sn-106



MAT 5007

(n,d) Levels  
293 Kelvin Cross Sections

50-Sn-106



10

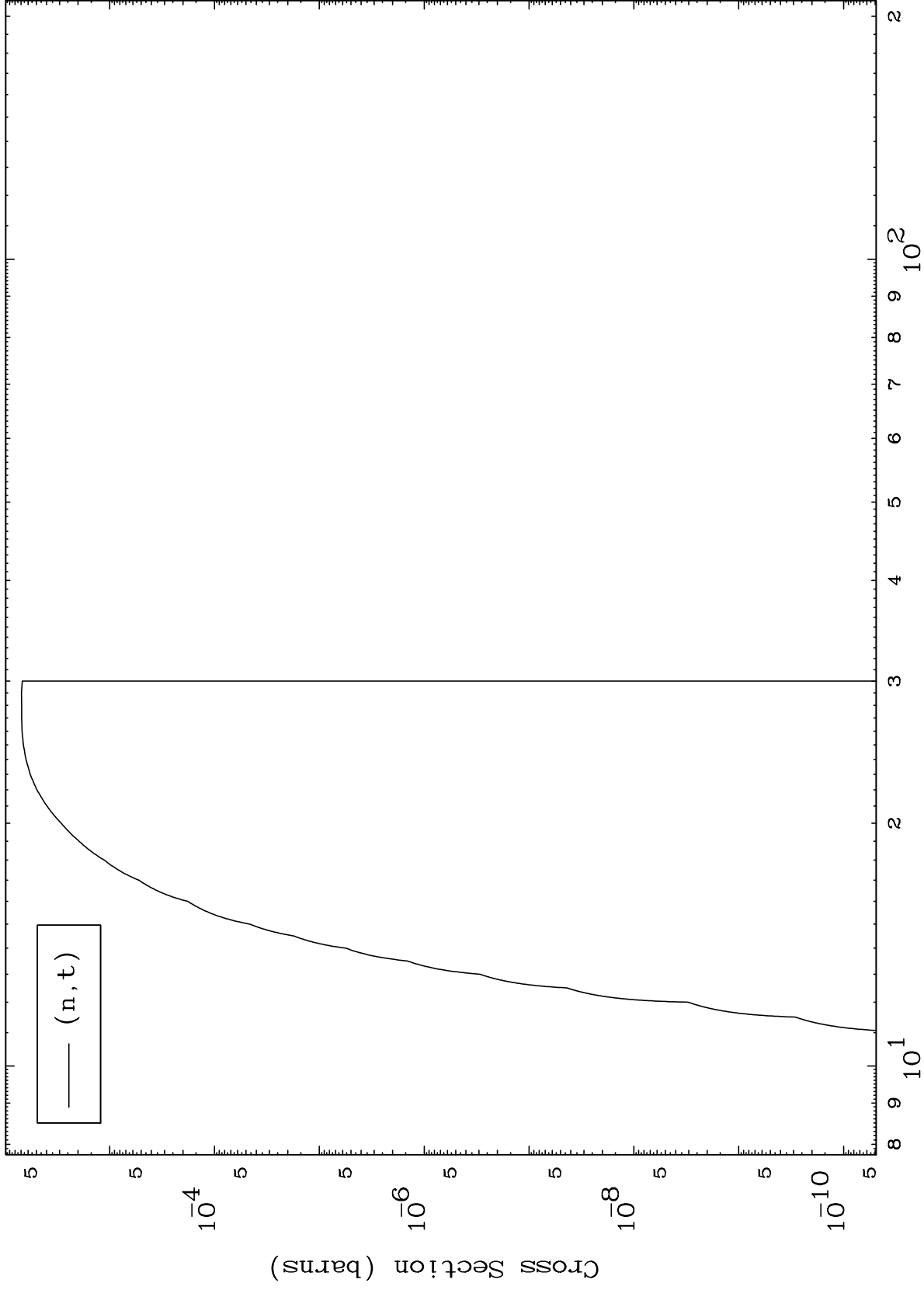
Incident Energy (MeV)

50-Sn-106

MAT 5007

(n,t) Levels  
293 Kelvin Cross Sections

50-Sn-106



11

Incident Energy (MeV)

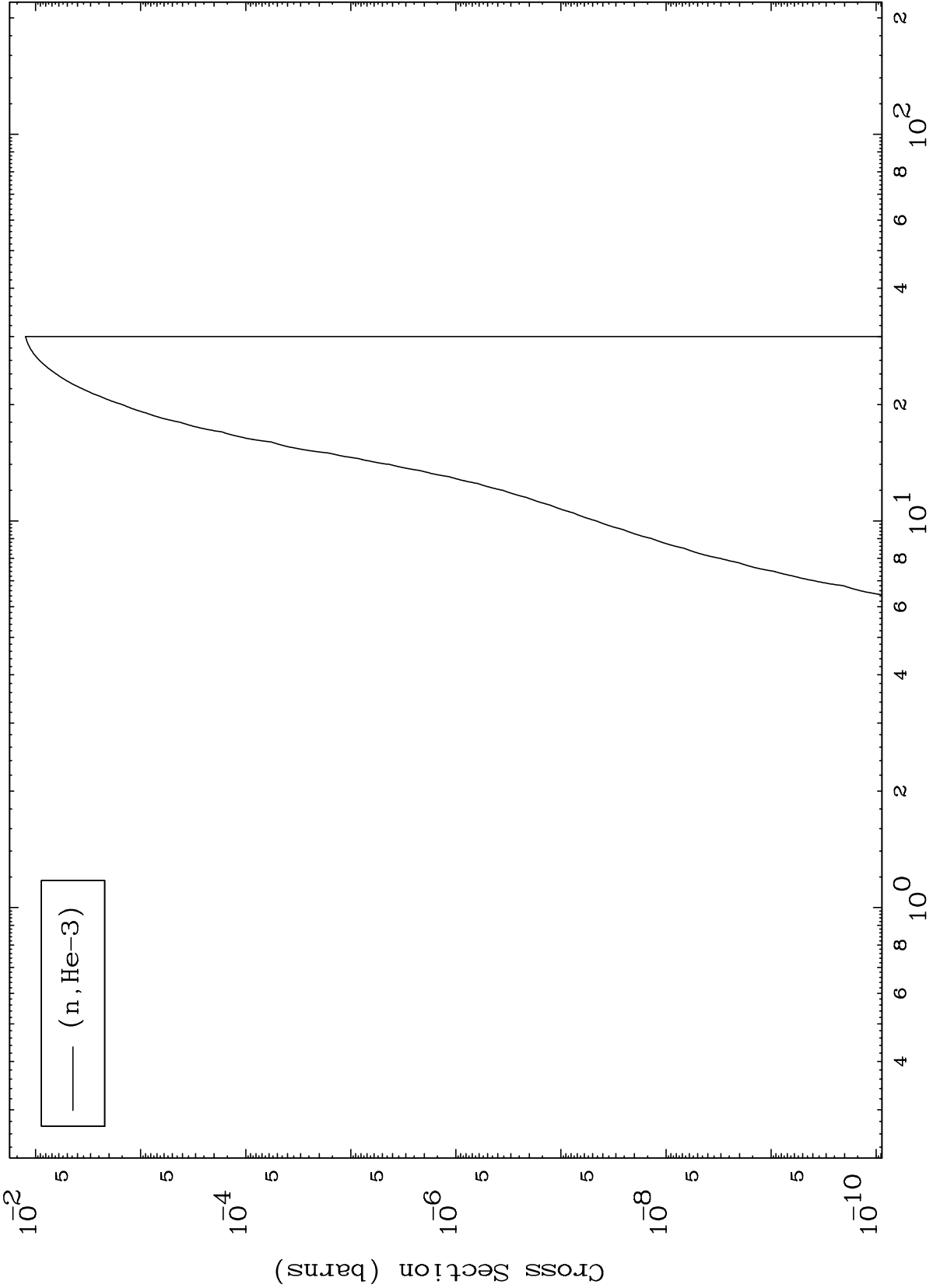
50-Sn-106

MAT 5007

(n,He3) Levels

50-Sn-106

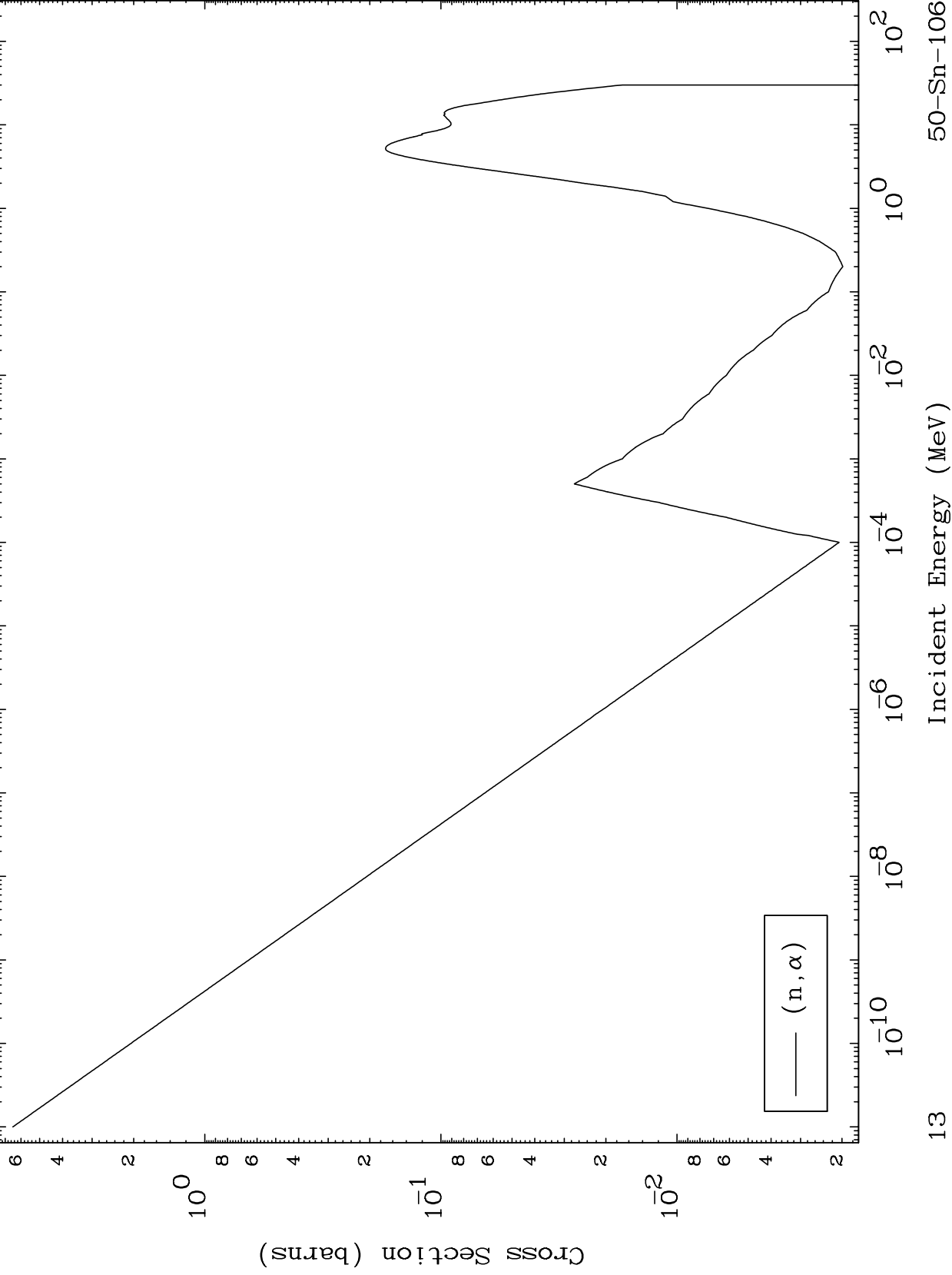
293 Kelvin Cross Sections

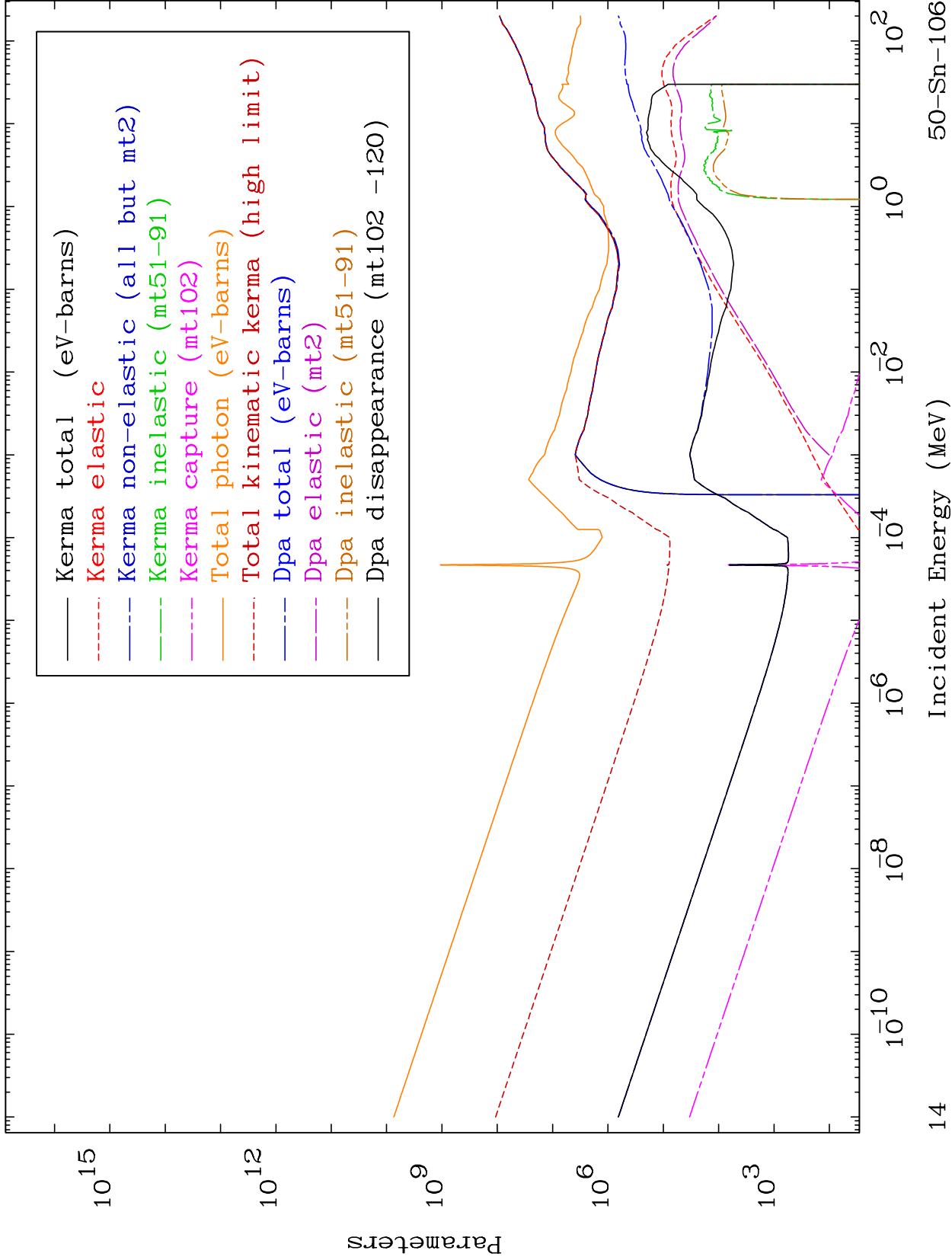


MAT 5007

(n,α) Levels  
293 Kelvin Cross Sections

50-Sn-106

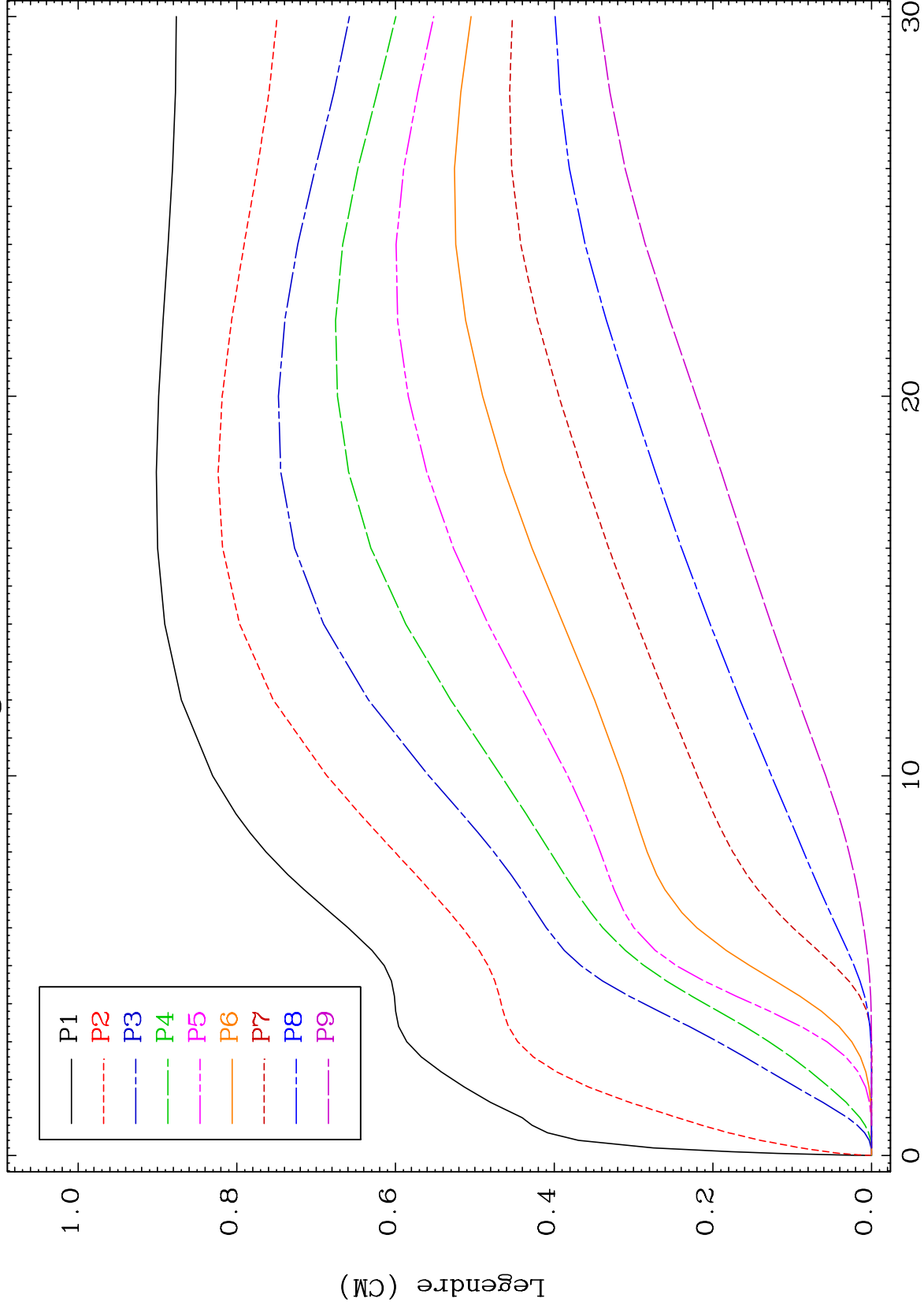




MAT 5007

Elastic Legendre Coefficients

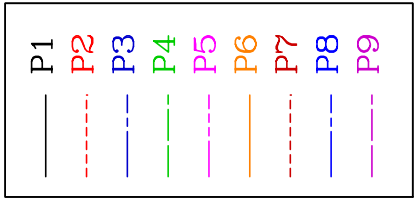
50-Sn-106



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Incident Energy (MeV)

50-Sn-106

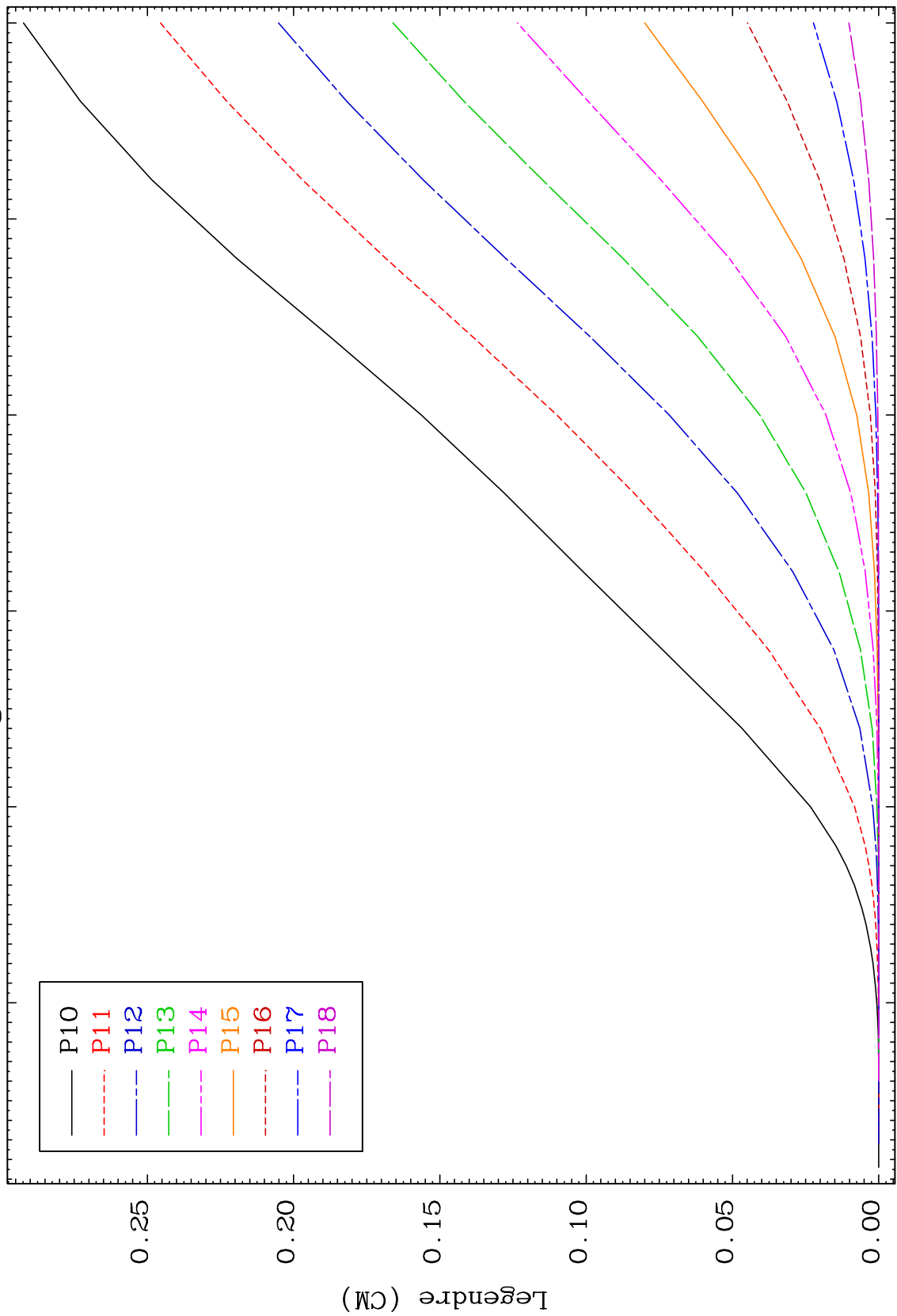




MAT 5007

Elastic Legendre Coefficients

50-Sn-106



16

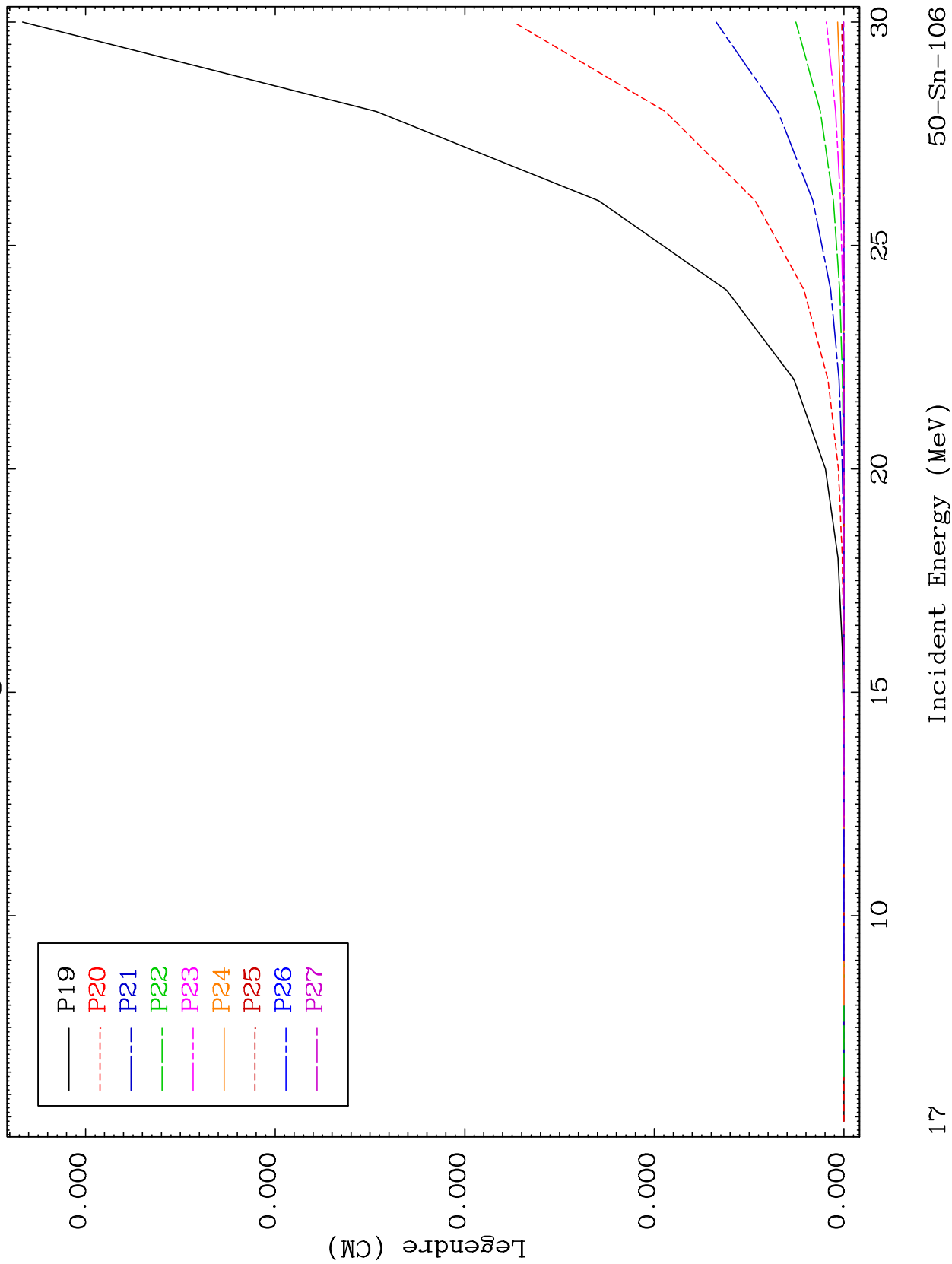
Incident Energy (MeV)

50-Sn-106

MAT 5007

### Elastic Legendre Coefficients

50-Sn-106



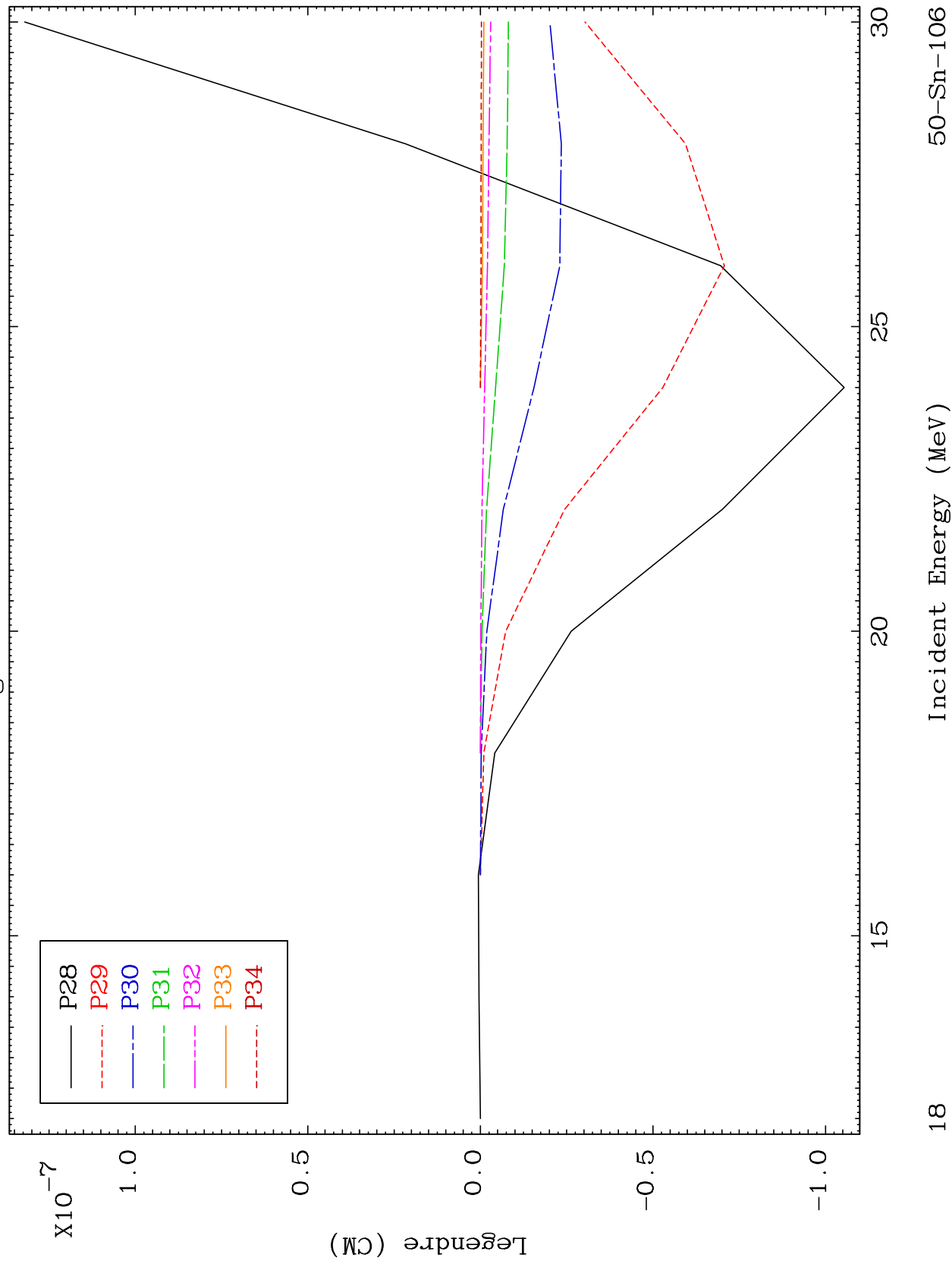
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50-Sn-106

MAT 5007

Elastic Legendre Coefficients

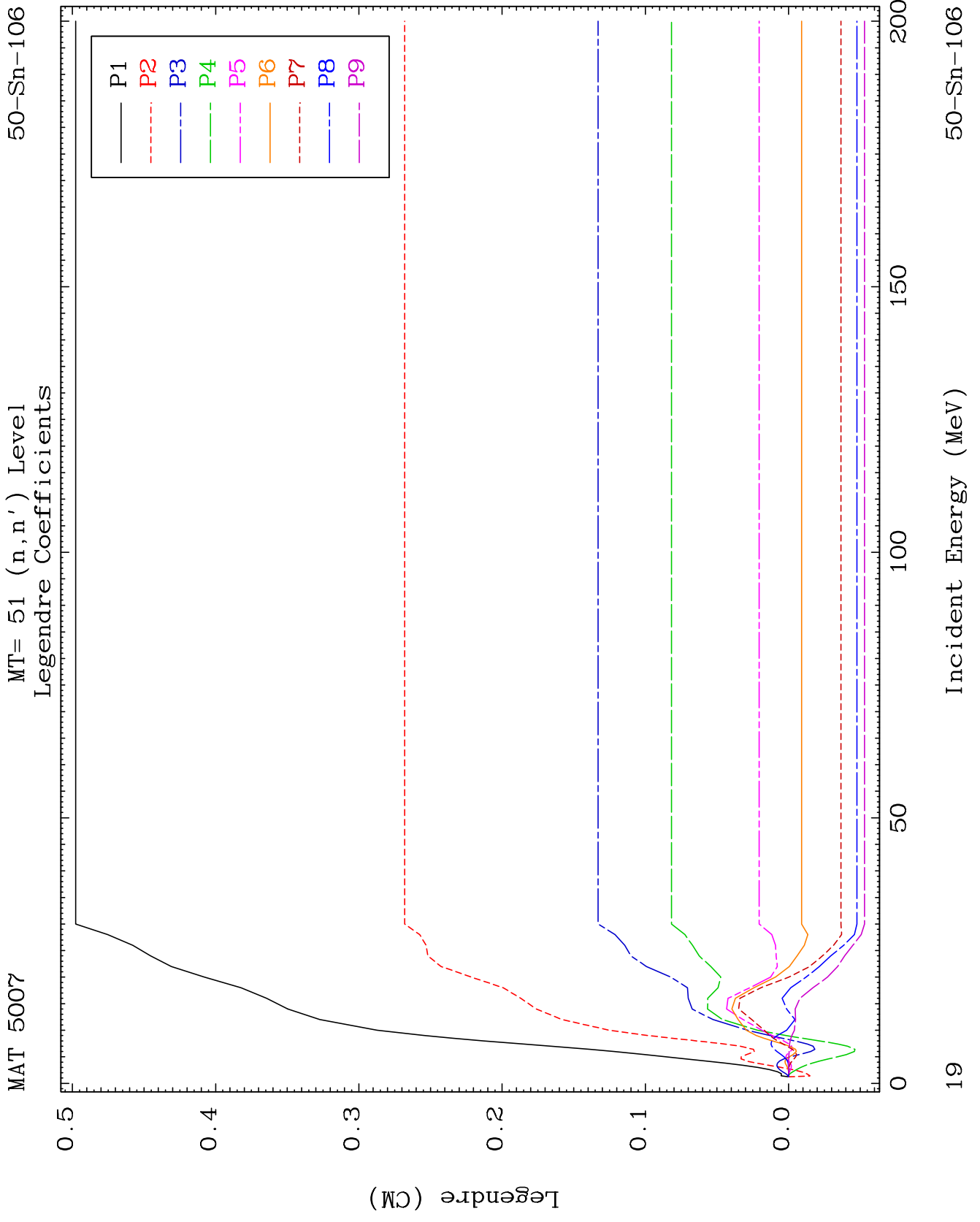
50-Sn-106



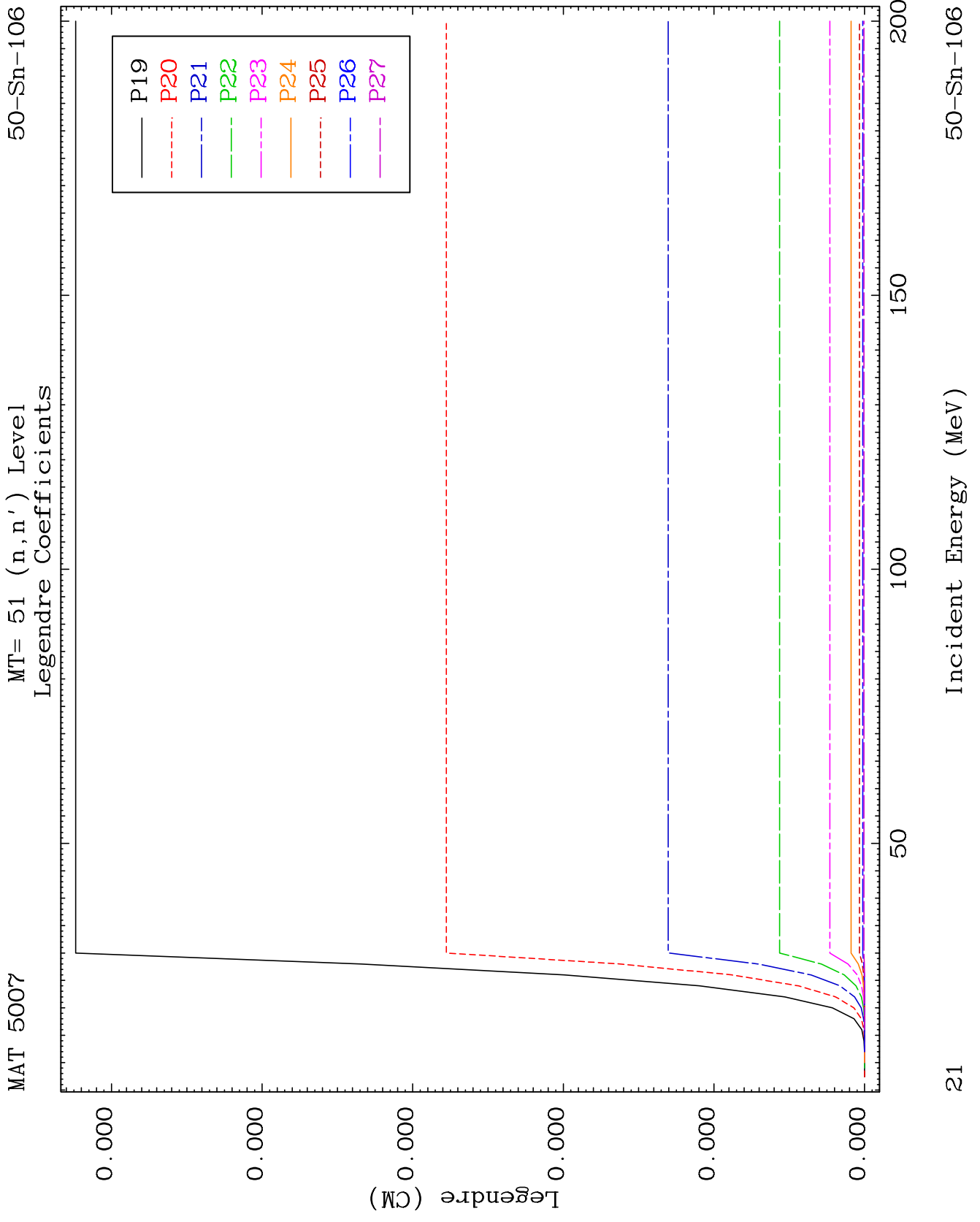
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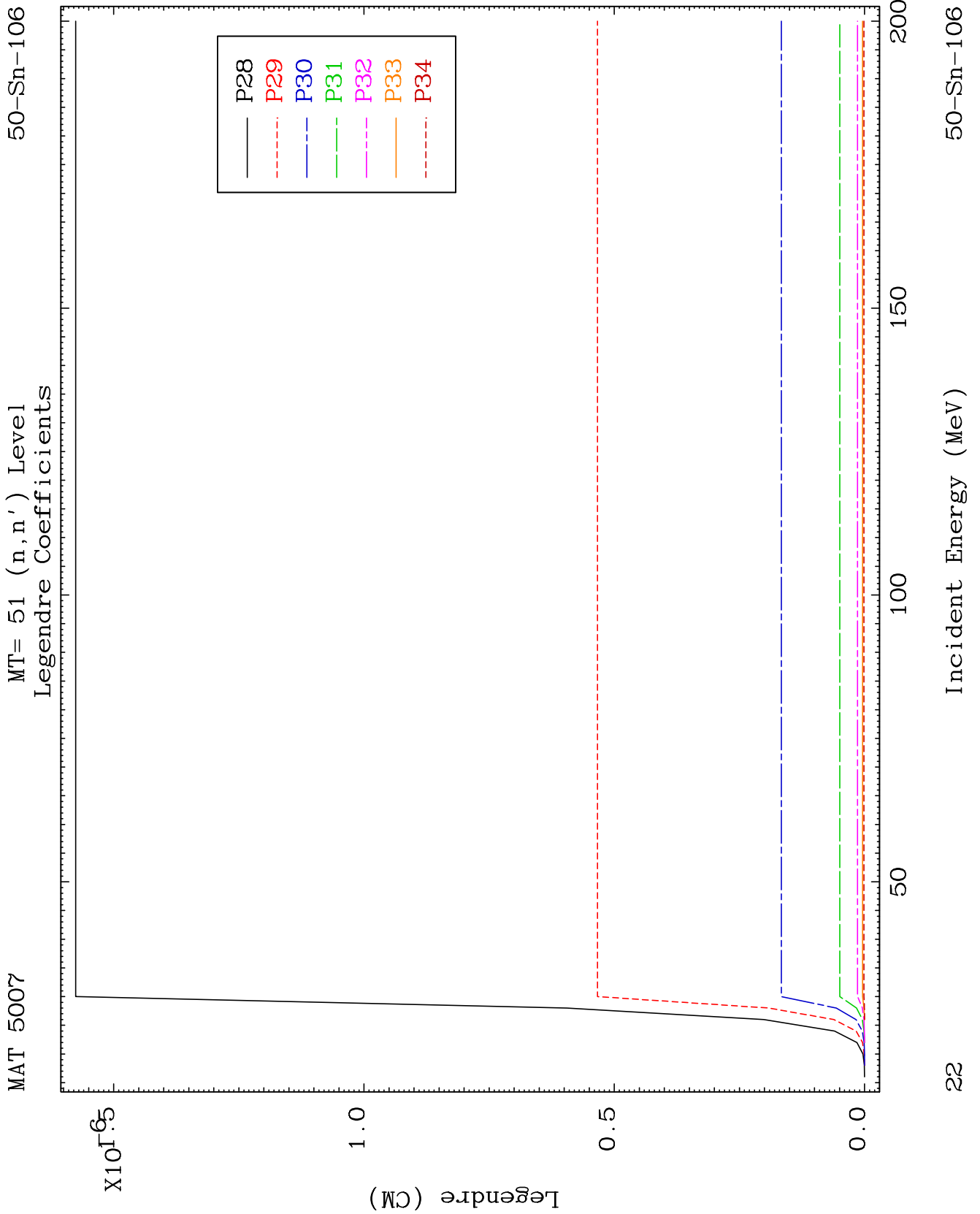
Incident Energy (MeV)

50-Sn-106





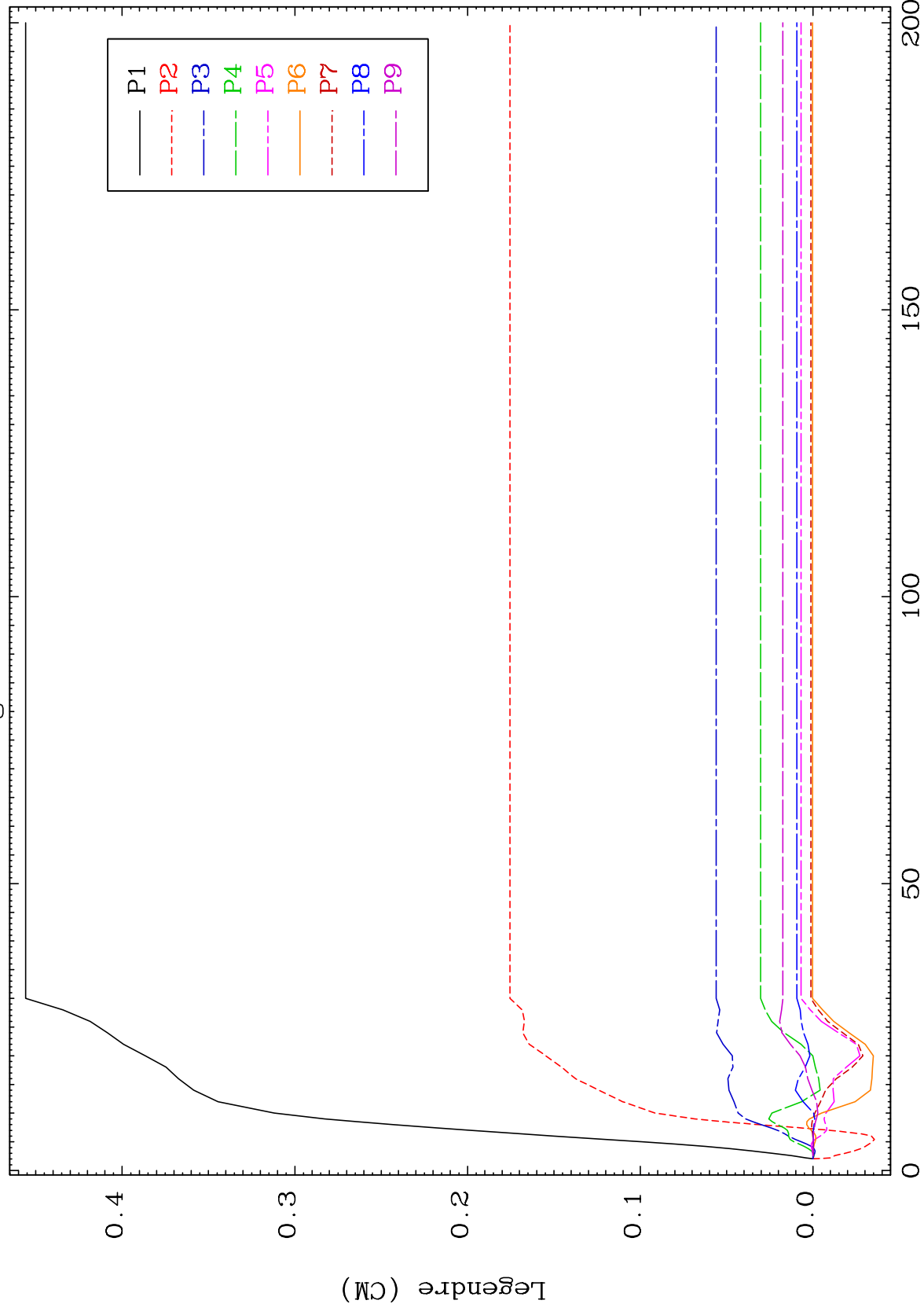




MAT 5007

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

50-Sn-106



50-Sn-106

Incident Energy (MeV)

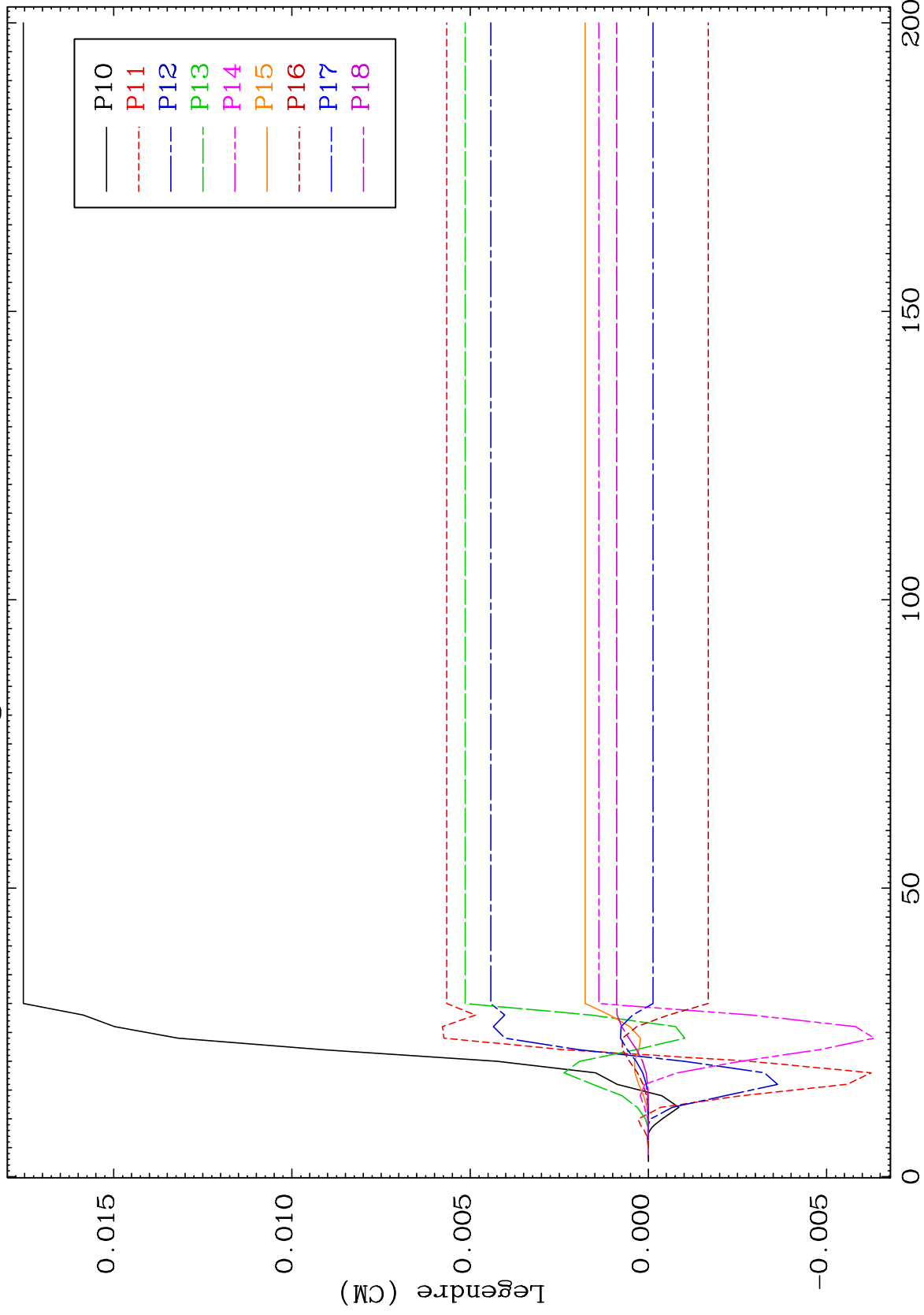
23



MAT 5007

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

50-Sn-106



24

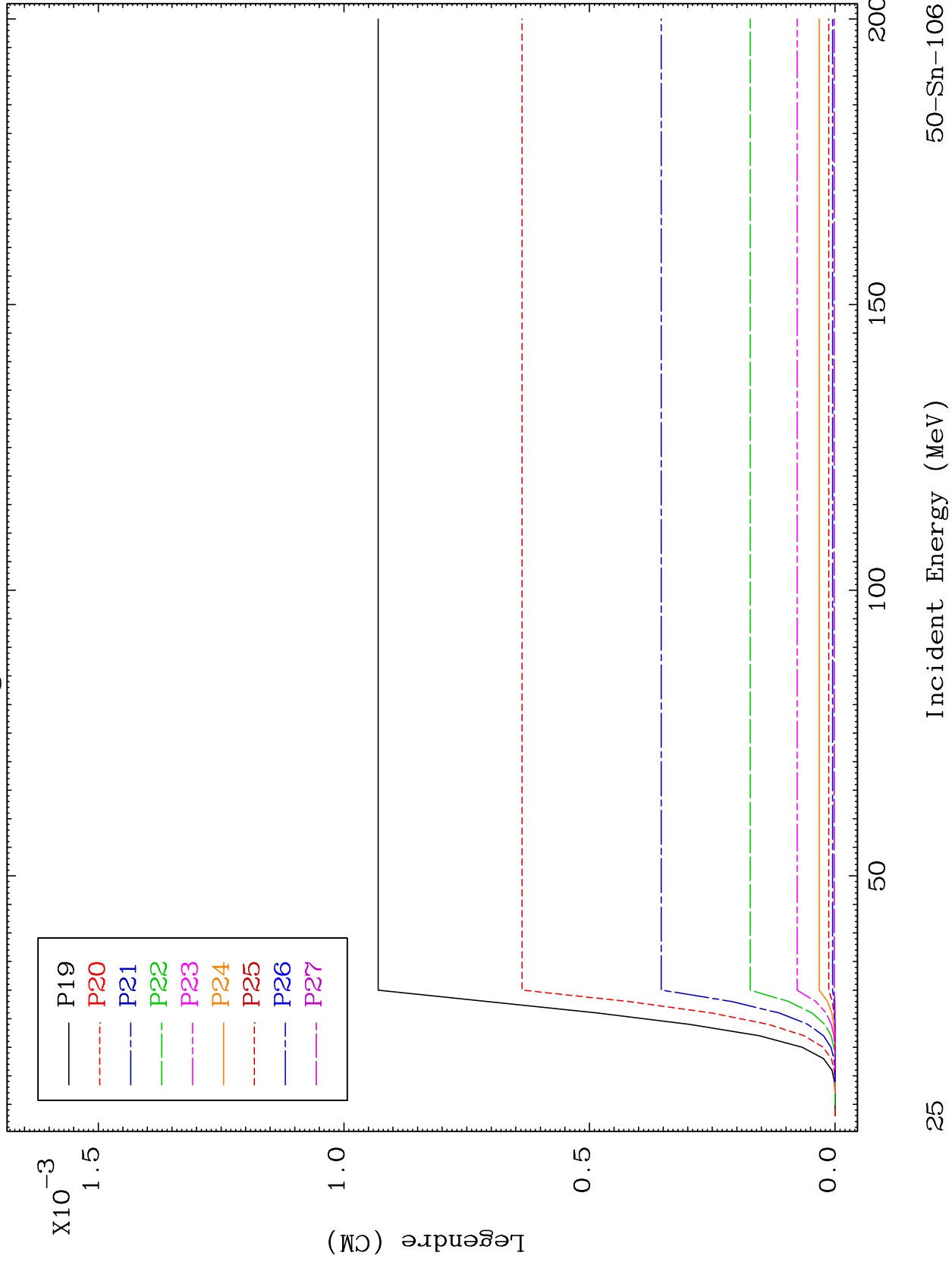
Incident Energy (MeV)

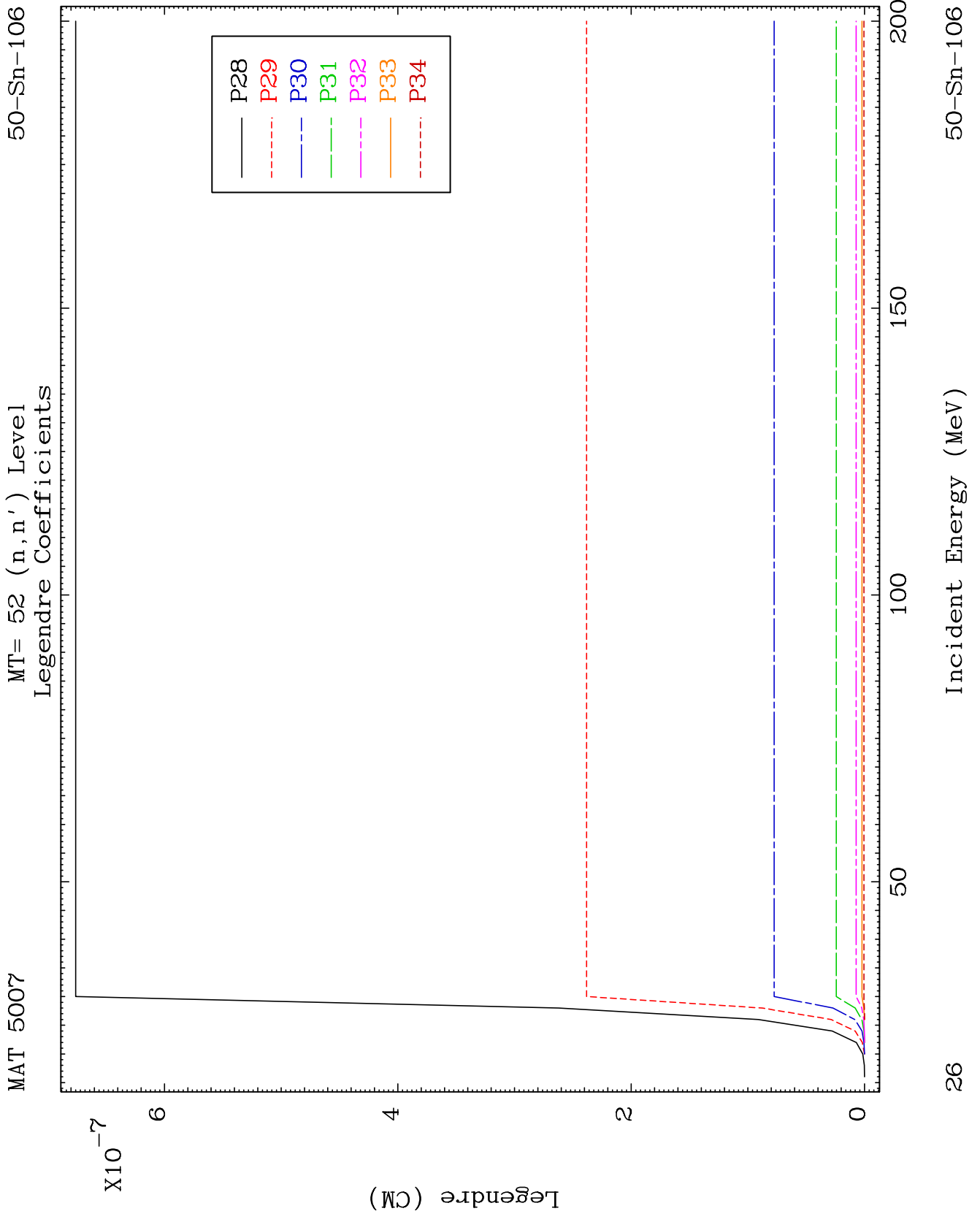
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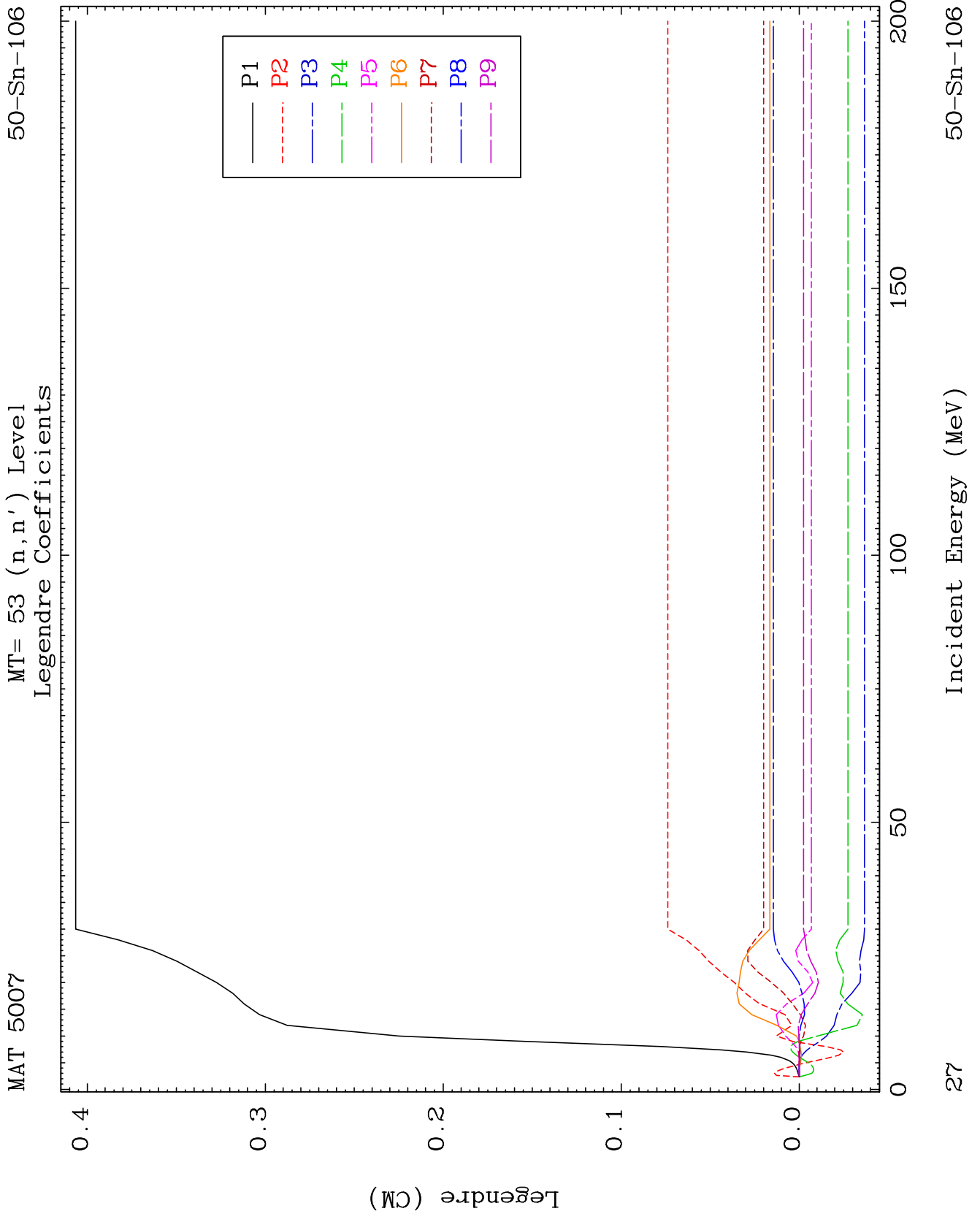
MAT 5007

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

50-Sn-106



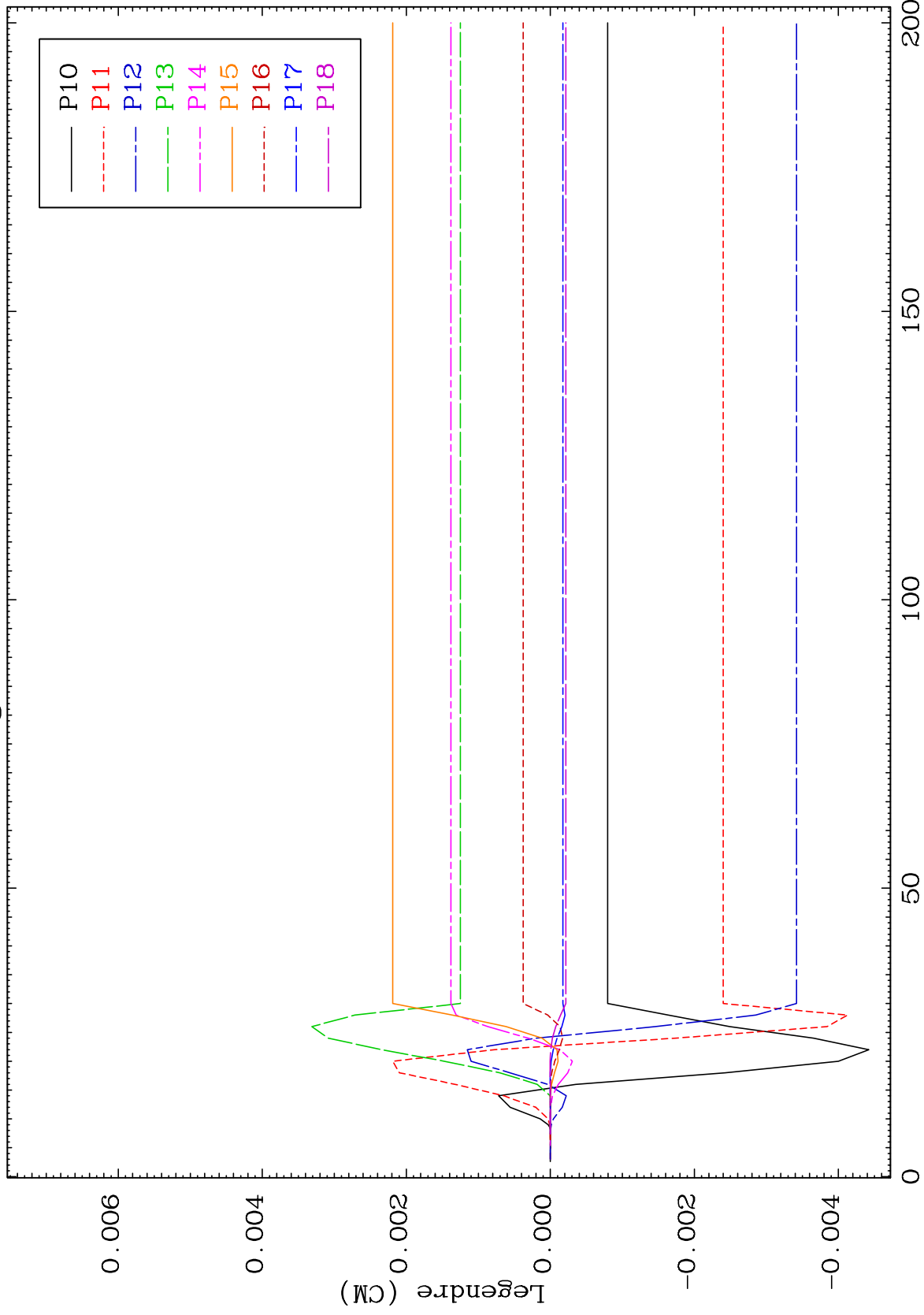




MAT 5007

MT= 53 (n,n') Level  
Legendre Coefficients

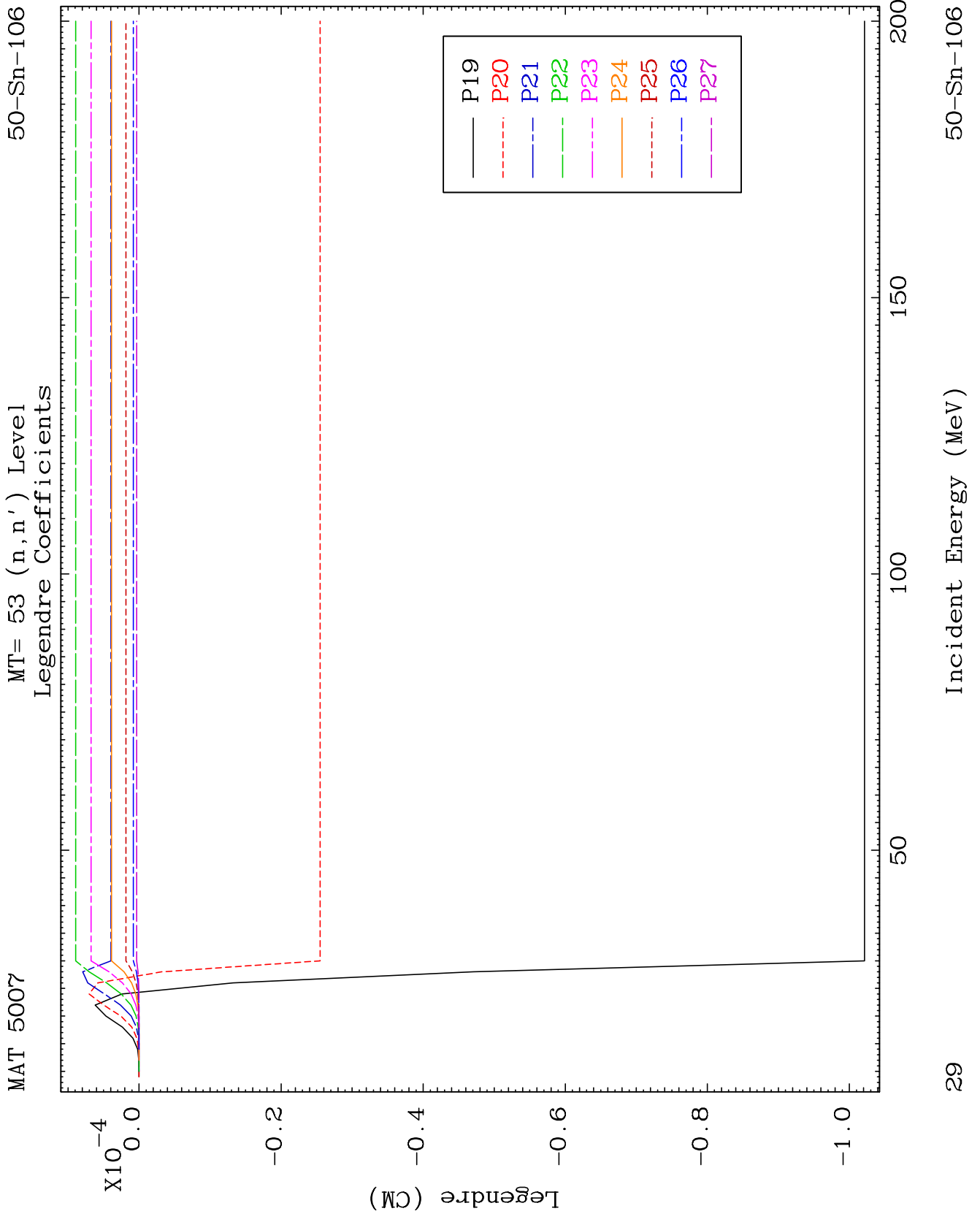
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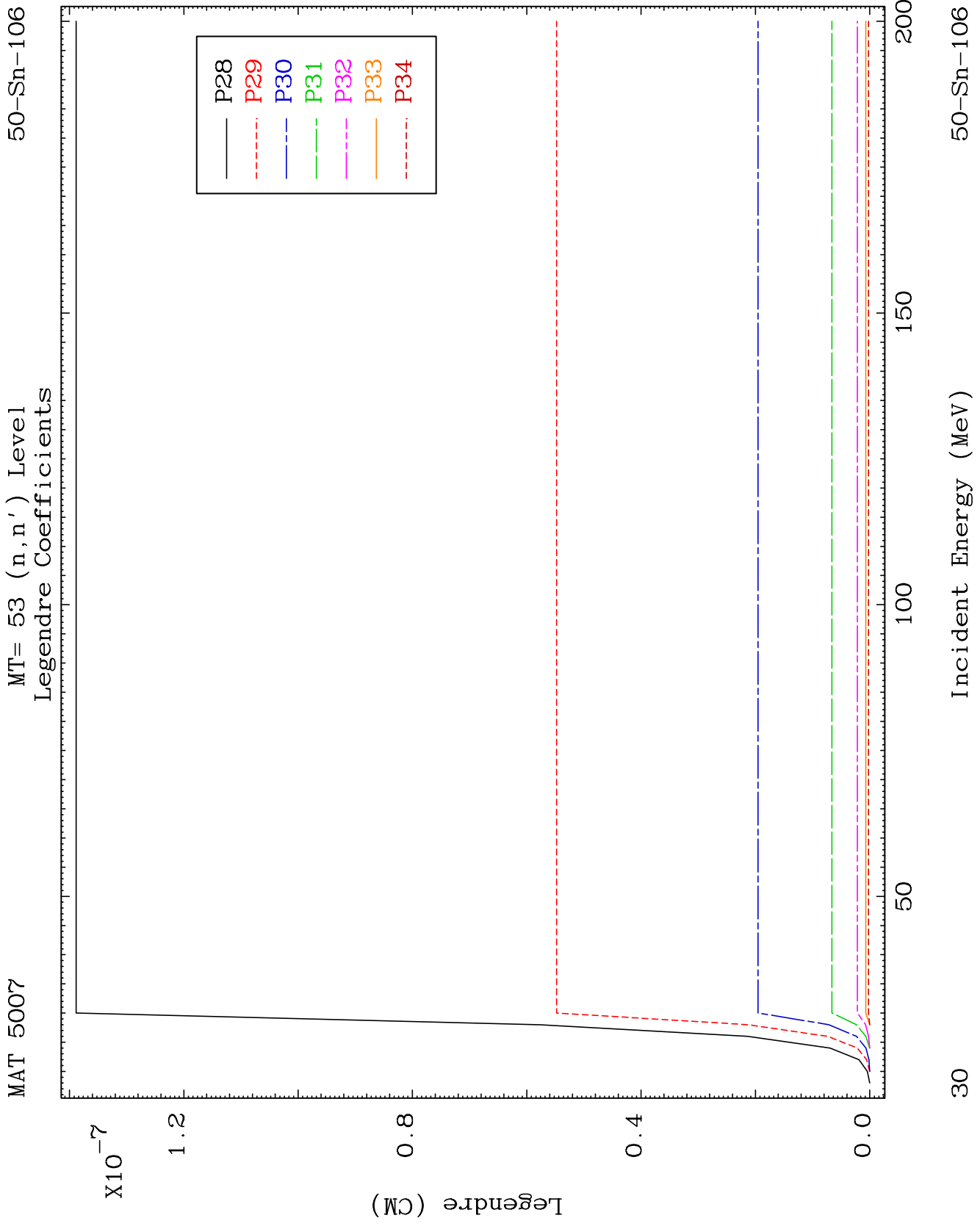


28

Incident Energy (MeV)

50-Sn-106

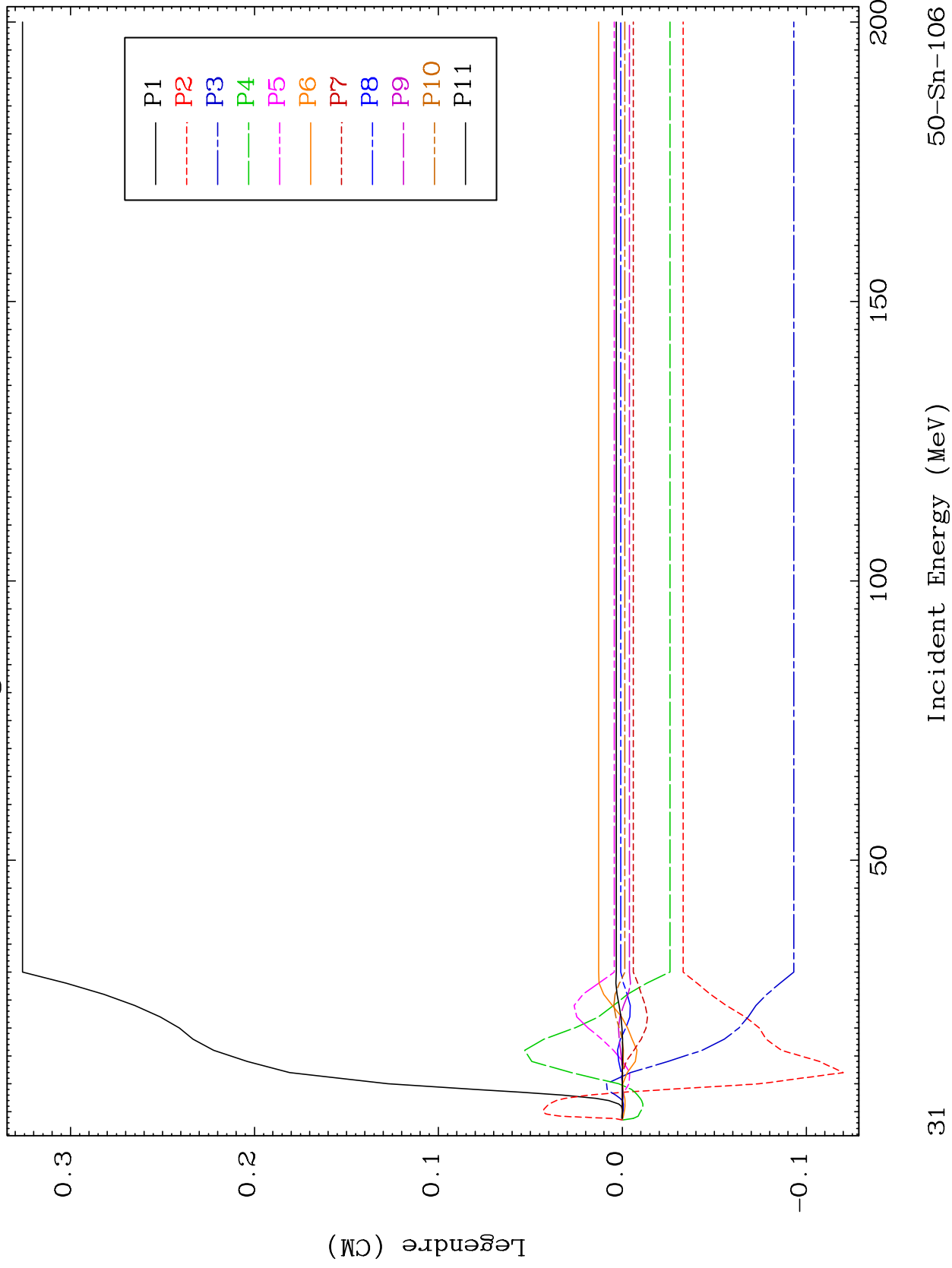




MAT 5007

MT= 54 (n,n') Level  
Legendre Coefficients

50-Sn-106



31

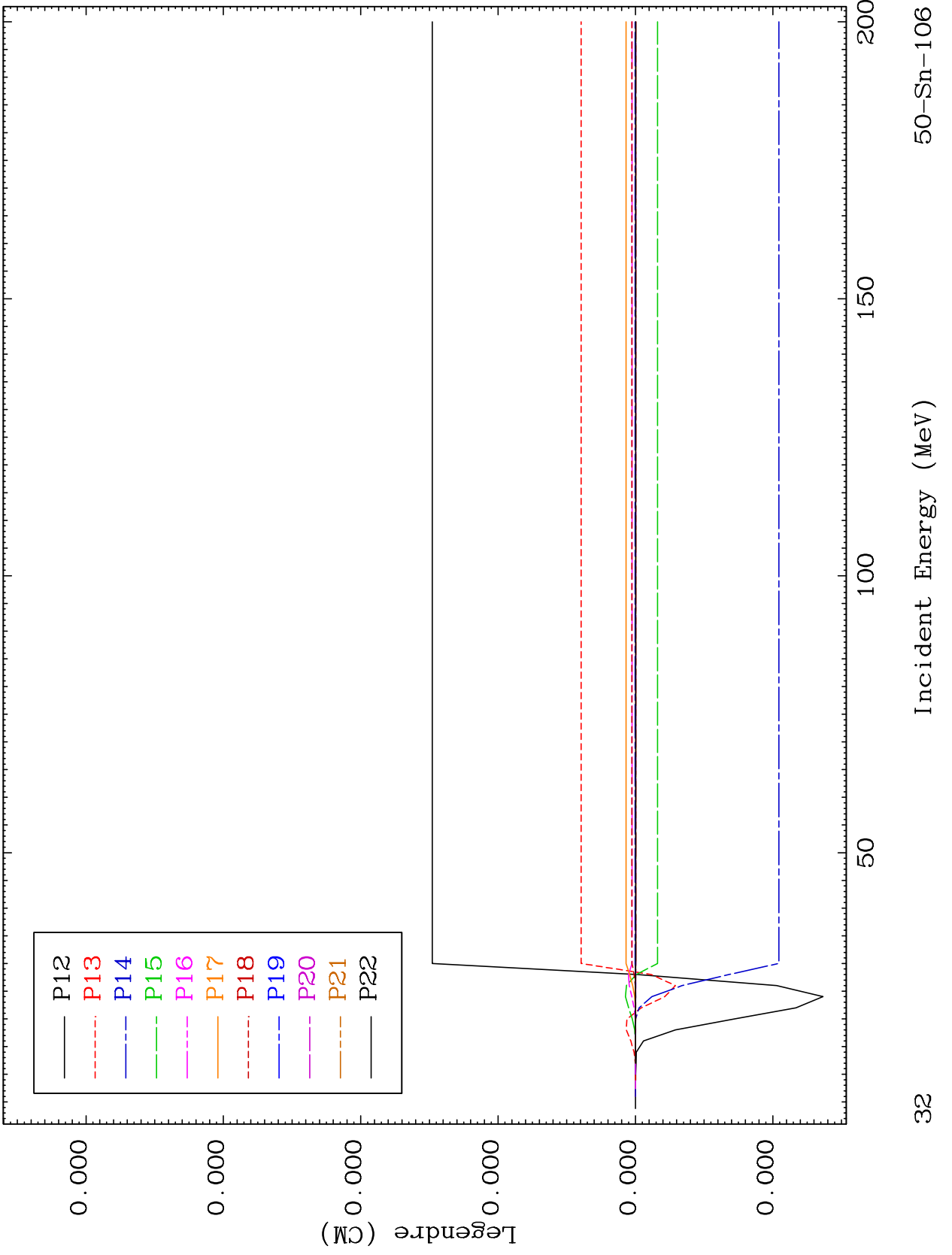
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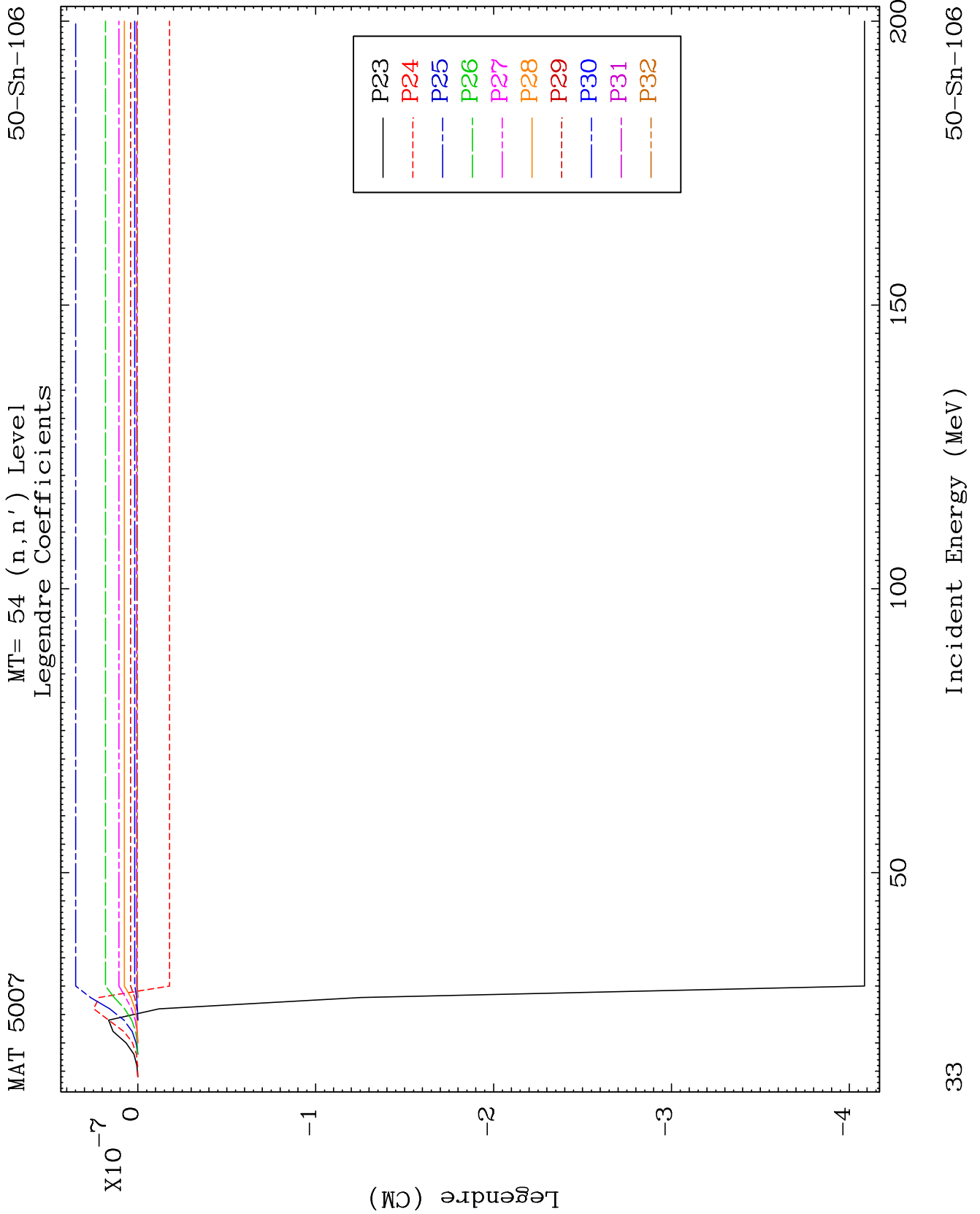


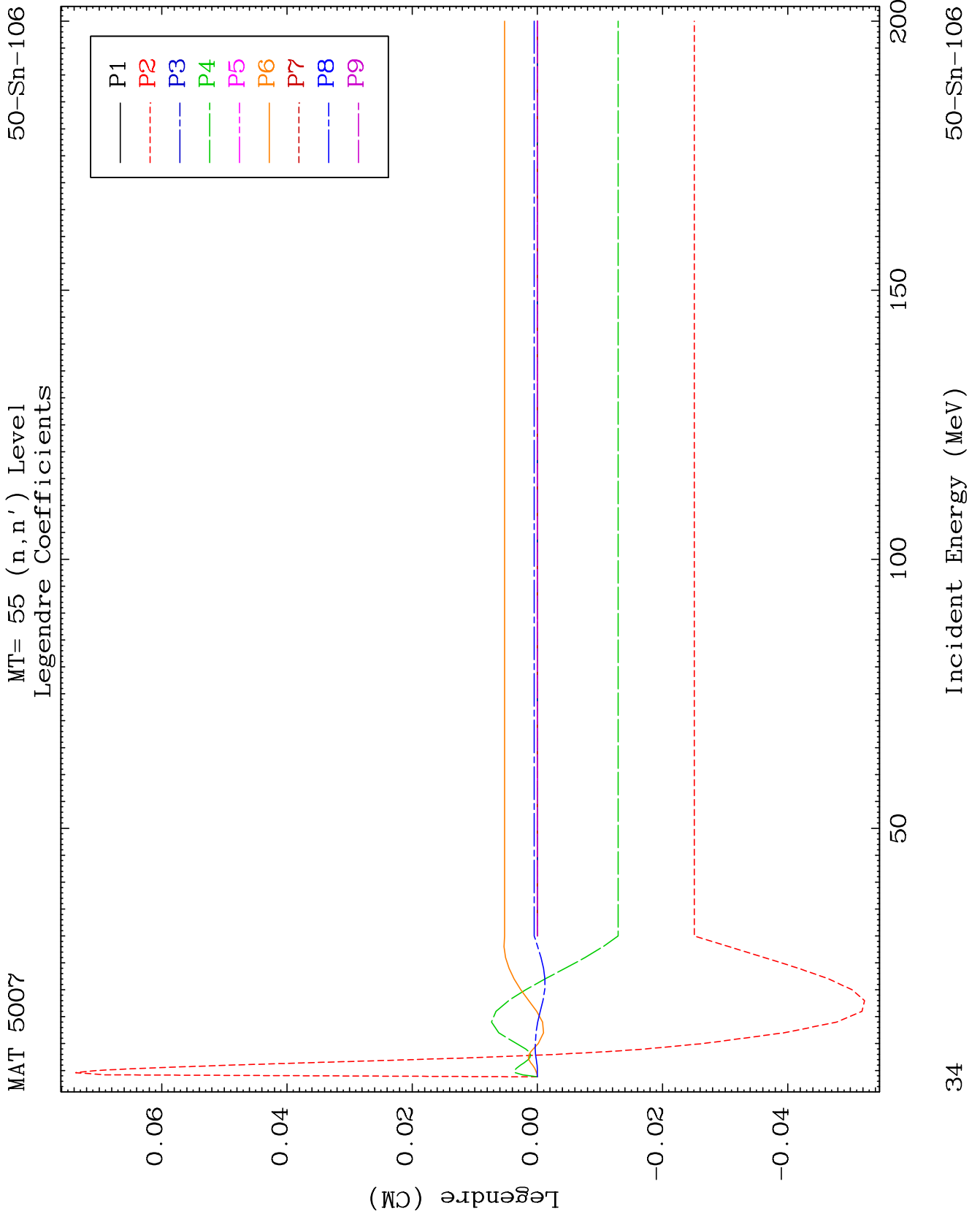
MAT 5007

MT= 54 (n,n') Level  
Legendre Coefficients

50-Sn-106



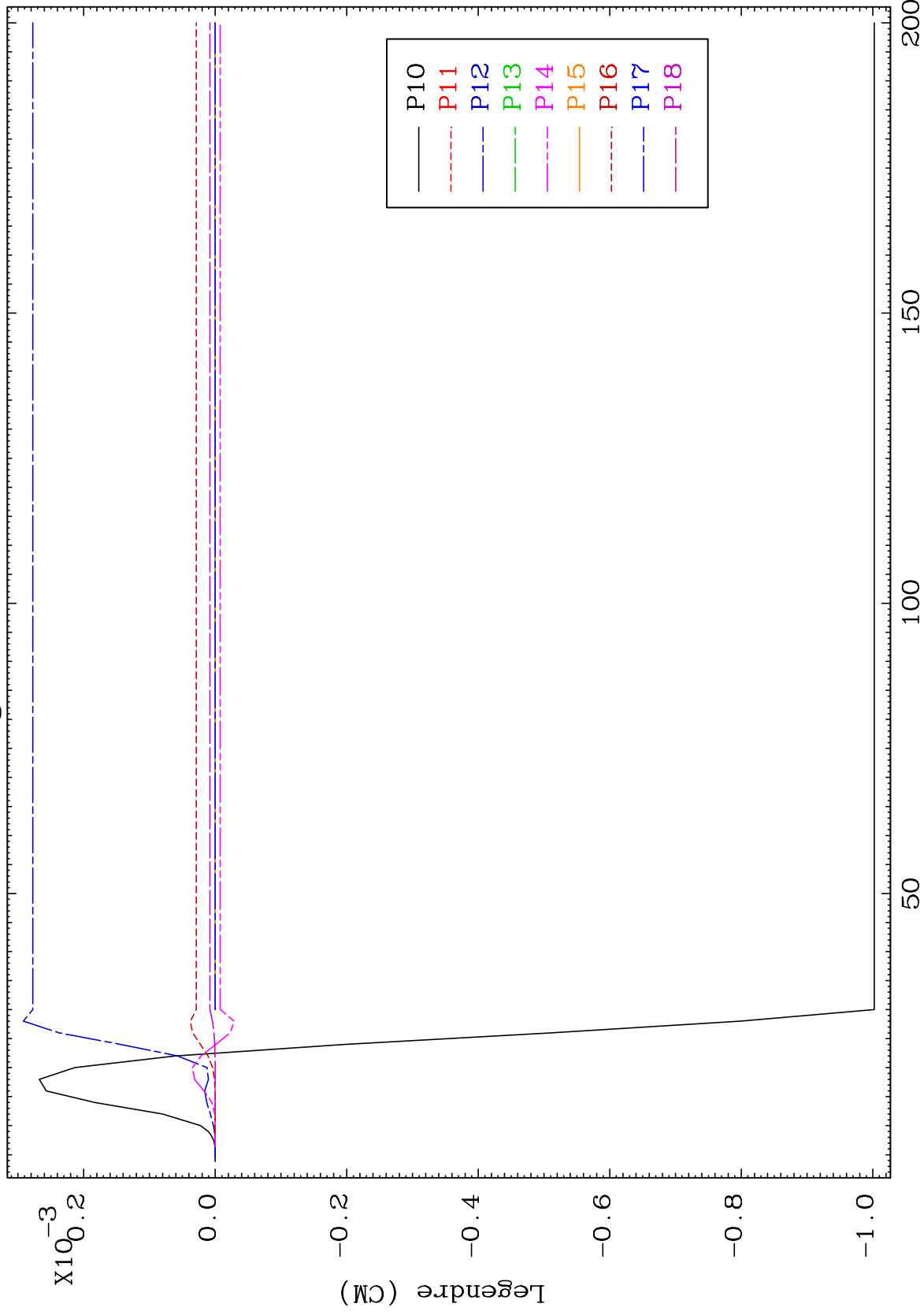




MAT 5007

MT= 55 (n,n') Level  
Legendre Coefficients

50-Sn-106



35

Incident Energy (MeV)

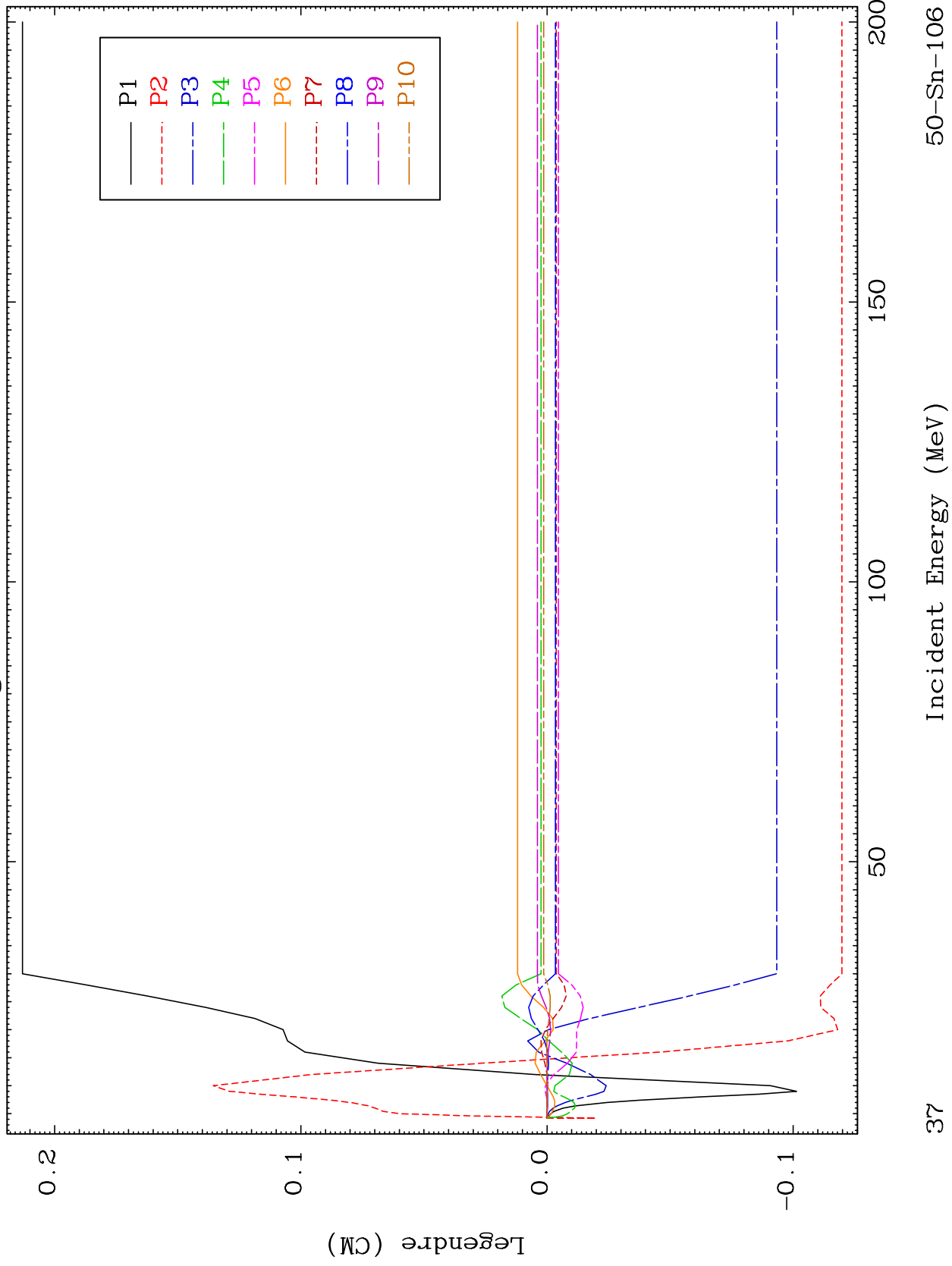
50-Sn-106



MAT 5007

MT= 56 (n,n') Level  
Legendre Coefficients

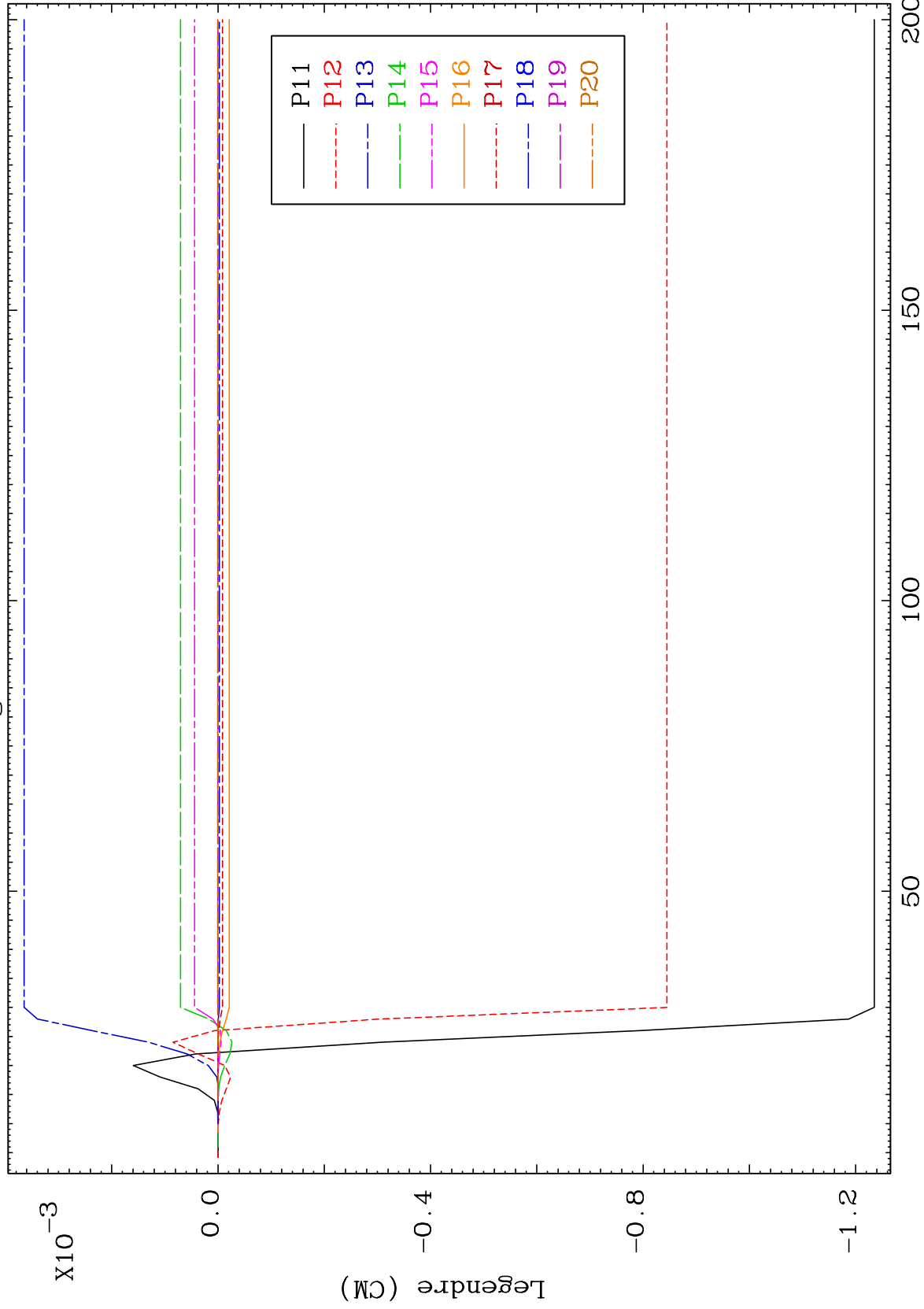
50-Sn-106



MAT 5007

MT= 56 (n,n') Level  
Legendre Coefficients

50-Sn-106



38

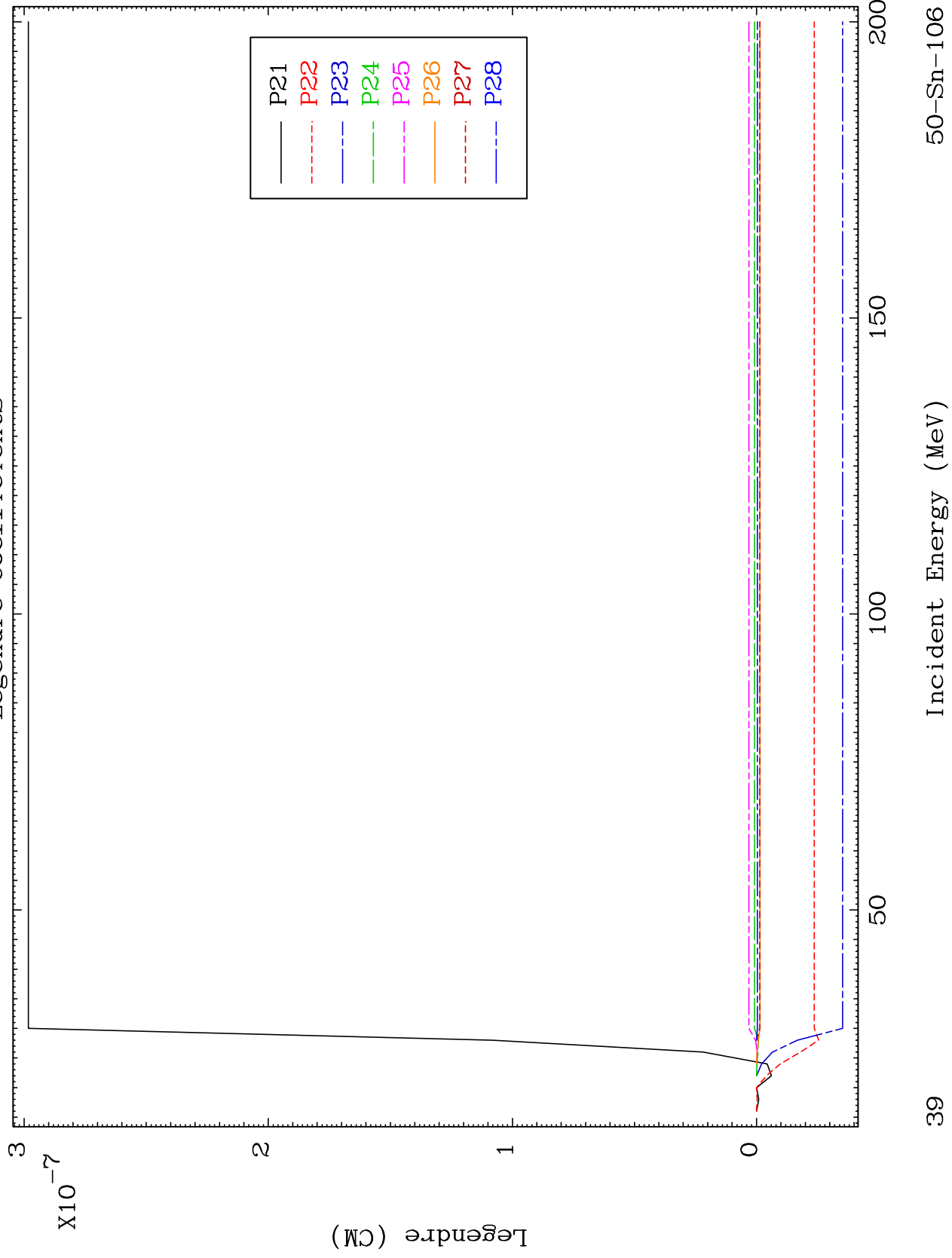
Incident Energy (MeV)

50-Sn-106

MAT 5007

MT= 56 (n,n') Level  
Legendre Coefficients

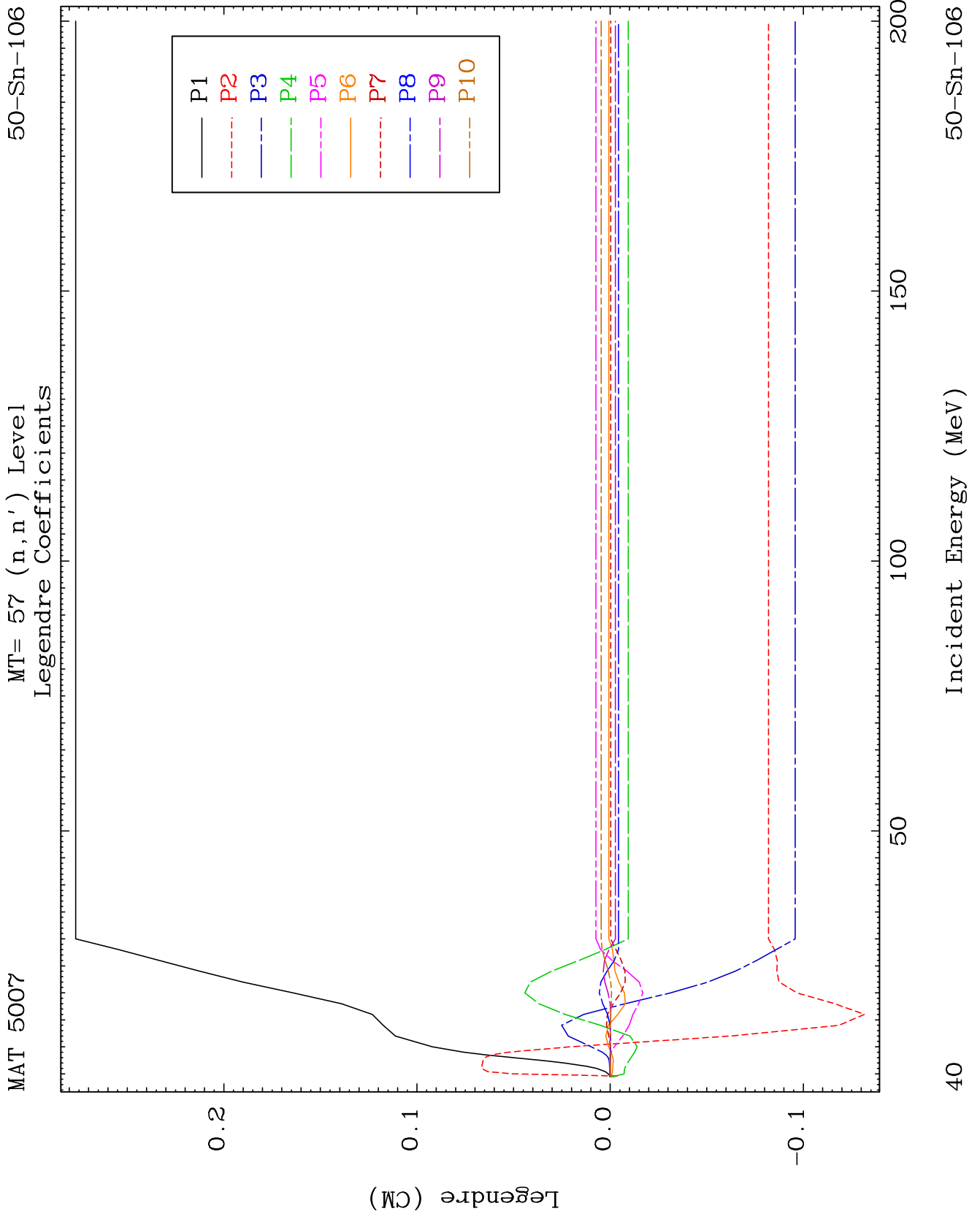
50-Sn-106



39

50-Sn-106

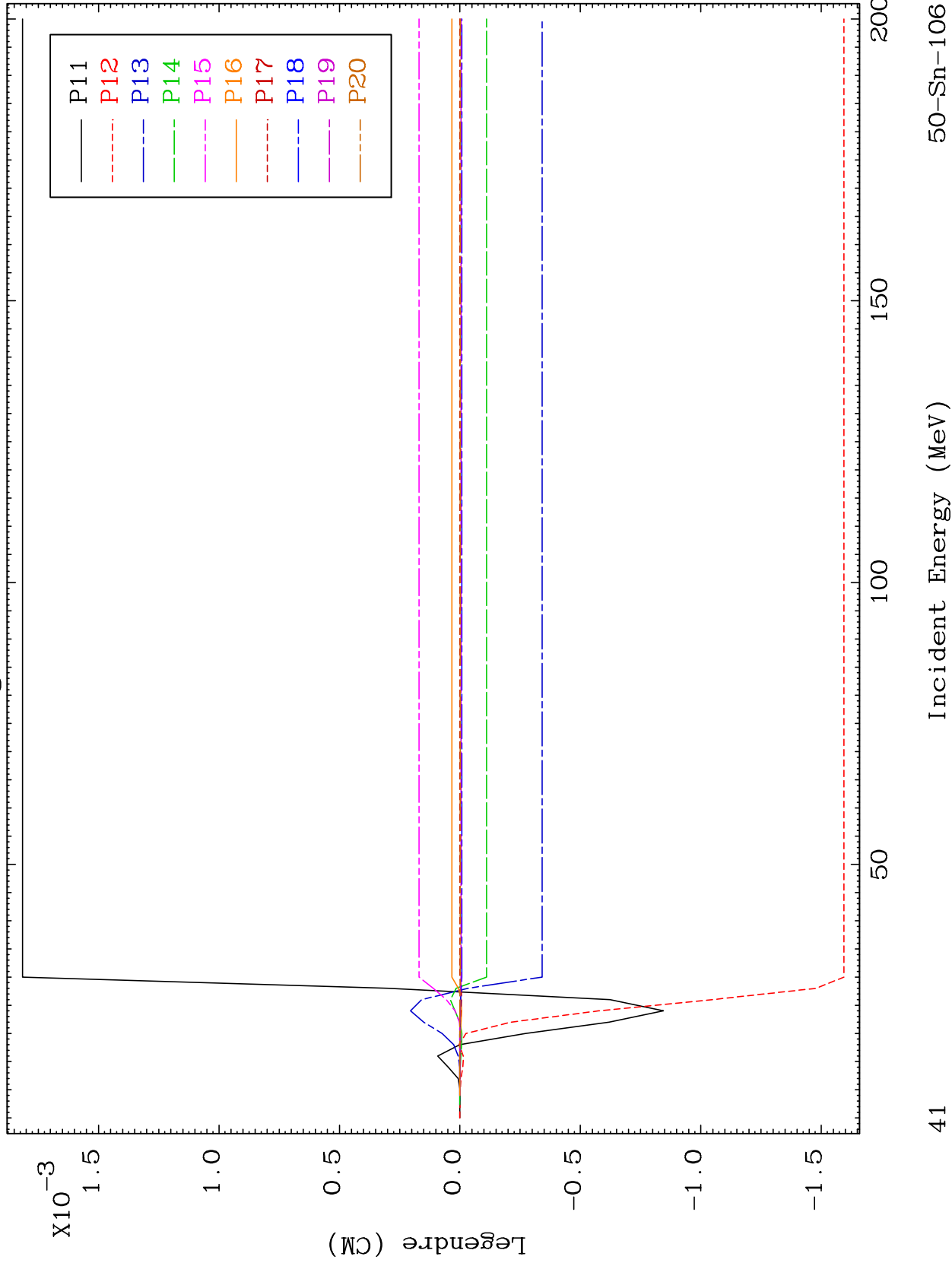


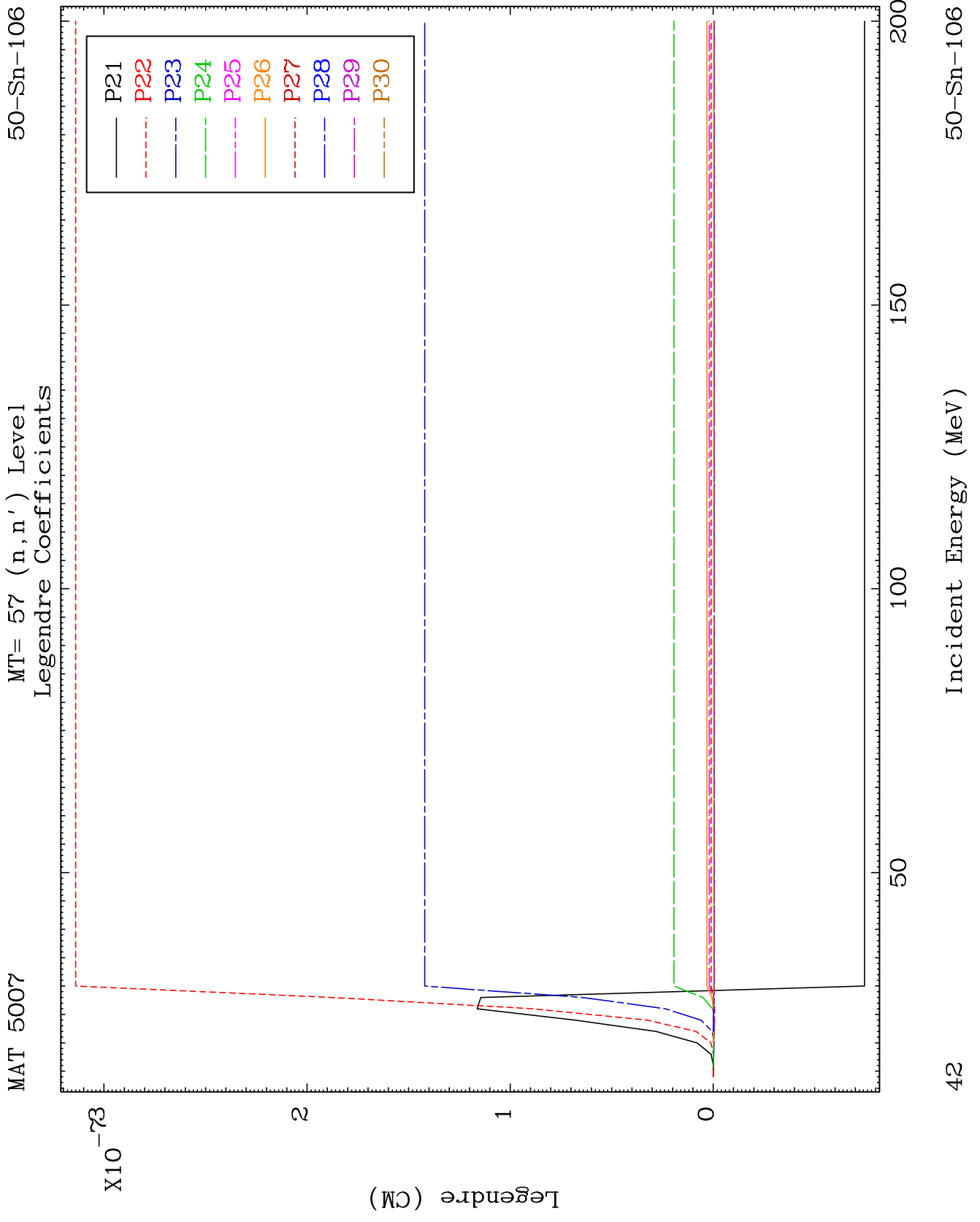


MAT 5007

MT= 57 (n,n') Level  
Legendre Coefficients

50-Sn-106

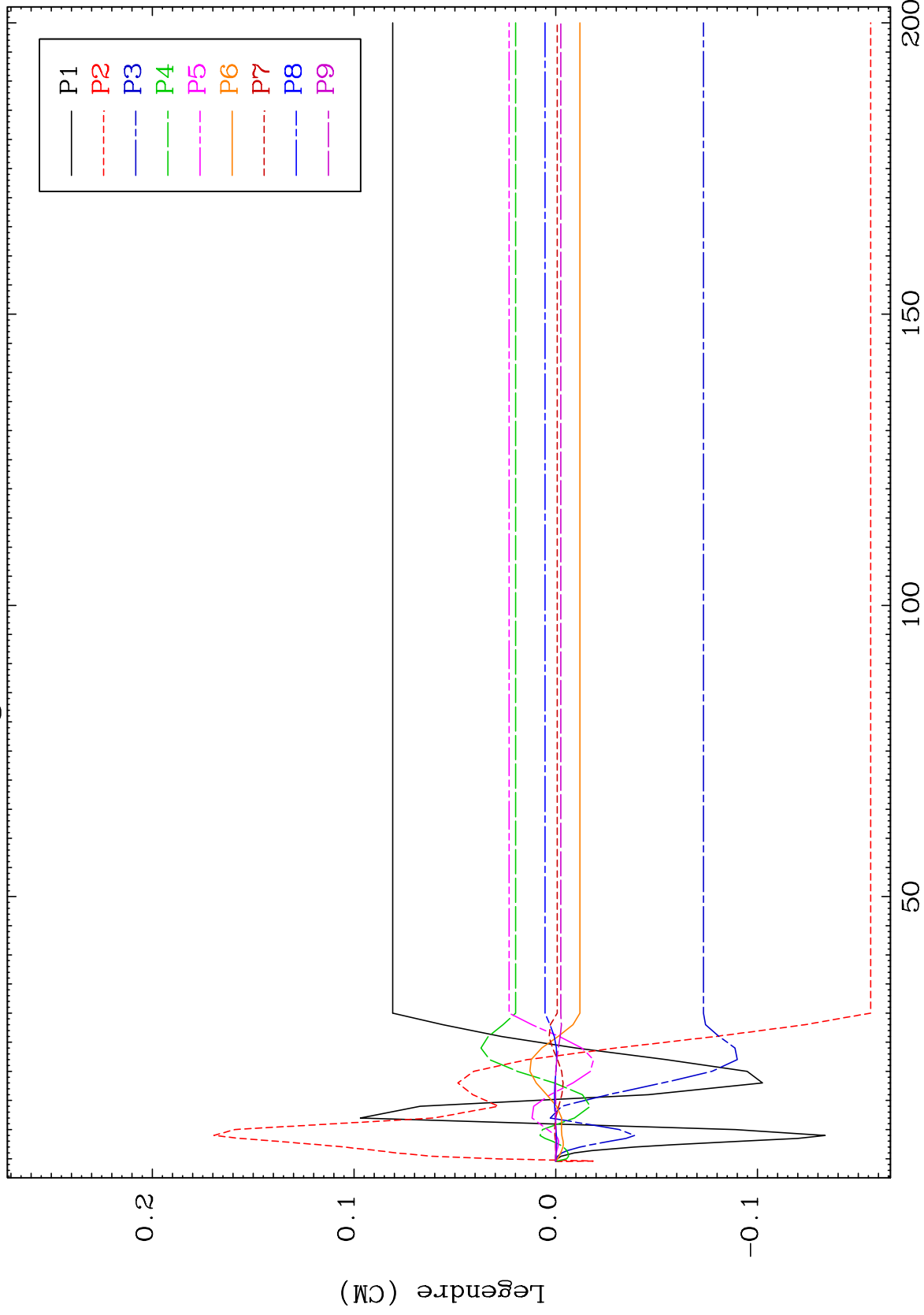




MAT 5007

MT= 58 (n,n') Level  
Legendre Coefficients

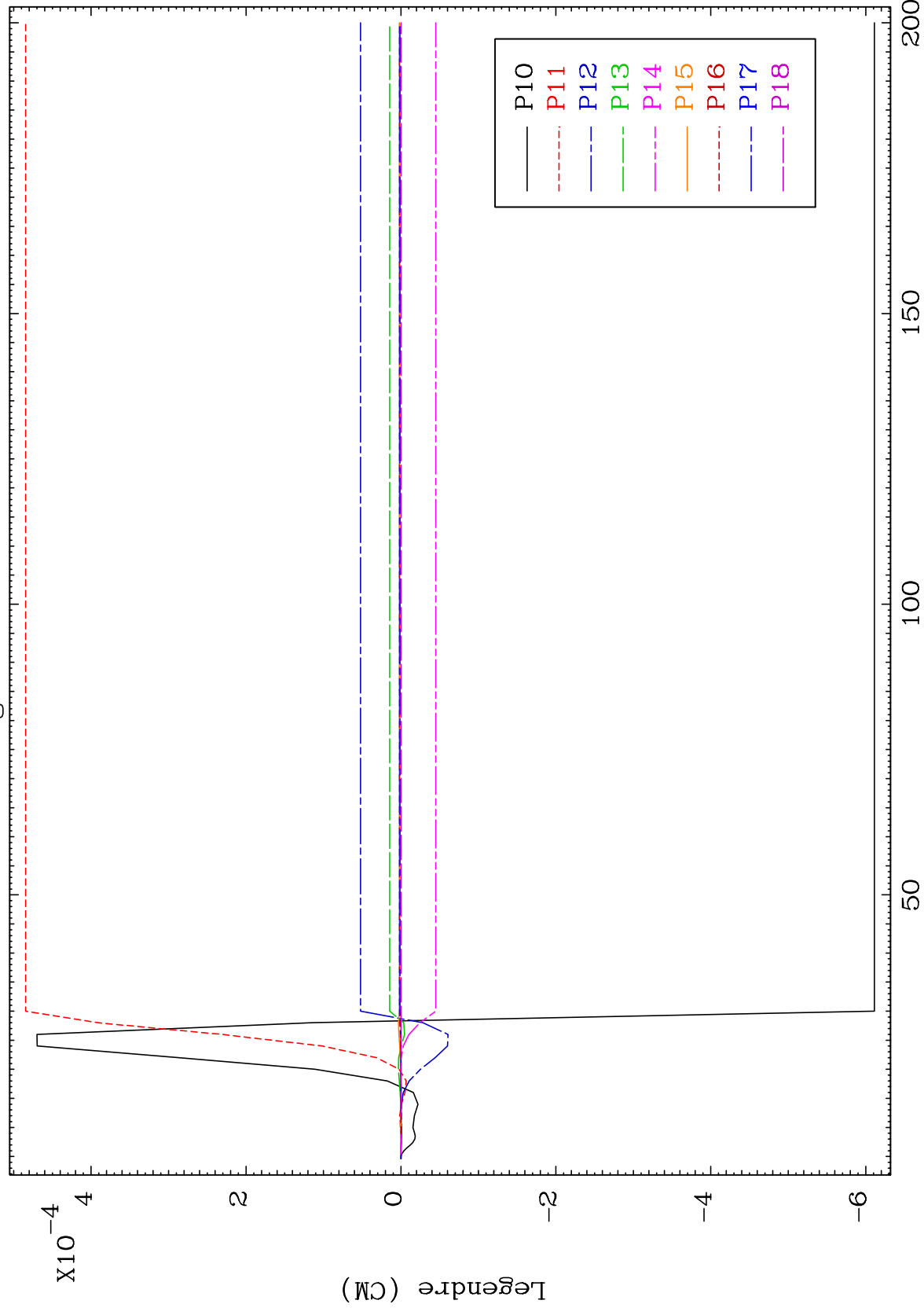
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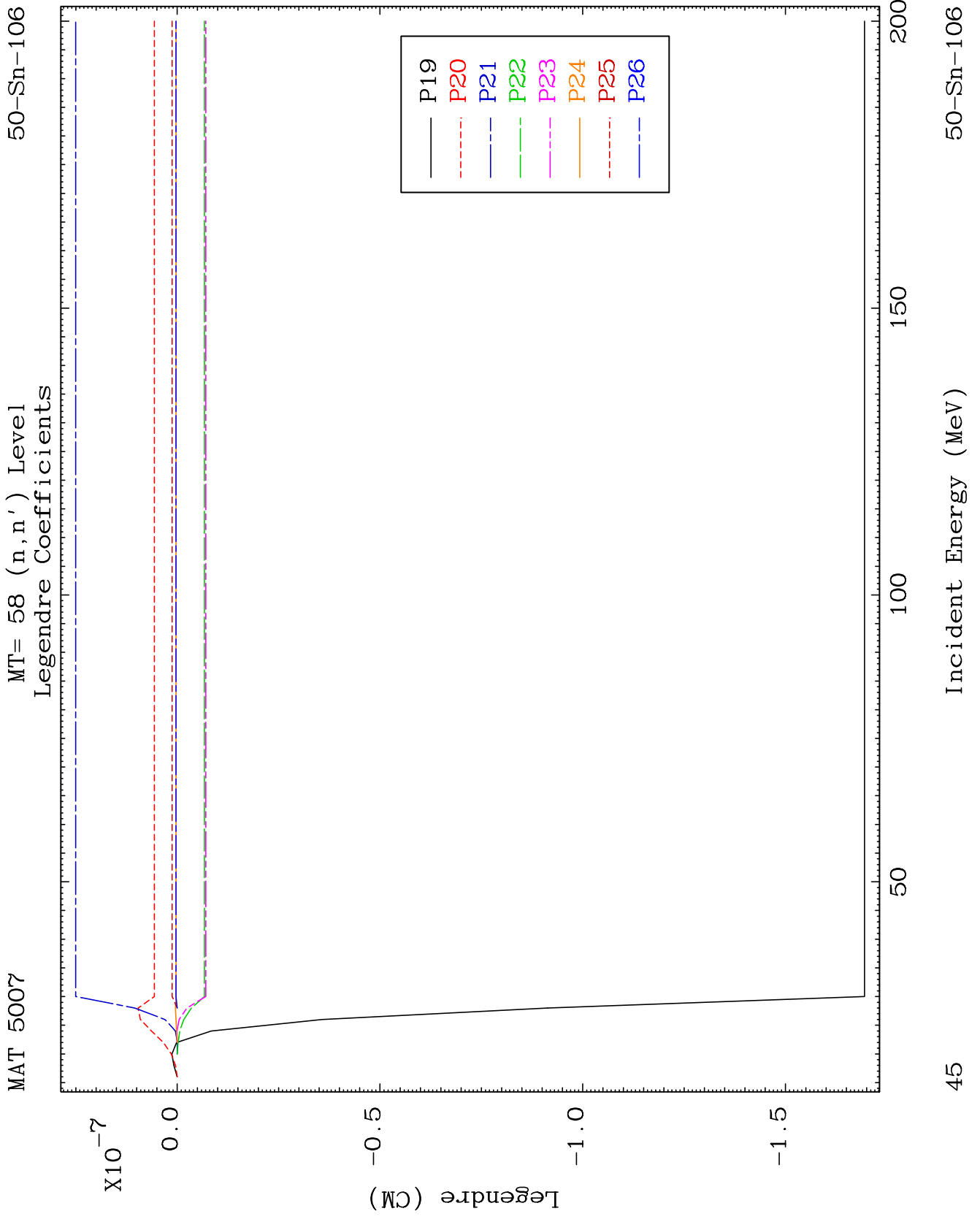


MAT 5007

MT= 58 (n,n') Level  
Legendre Coefficients

50-Sn-106

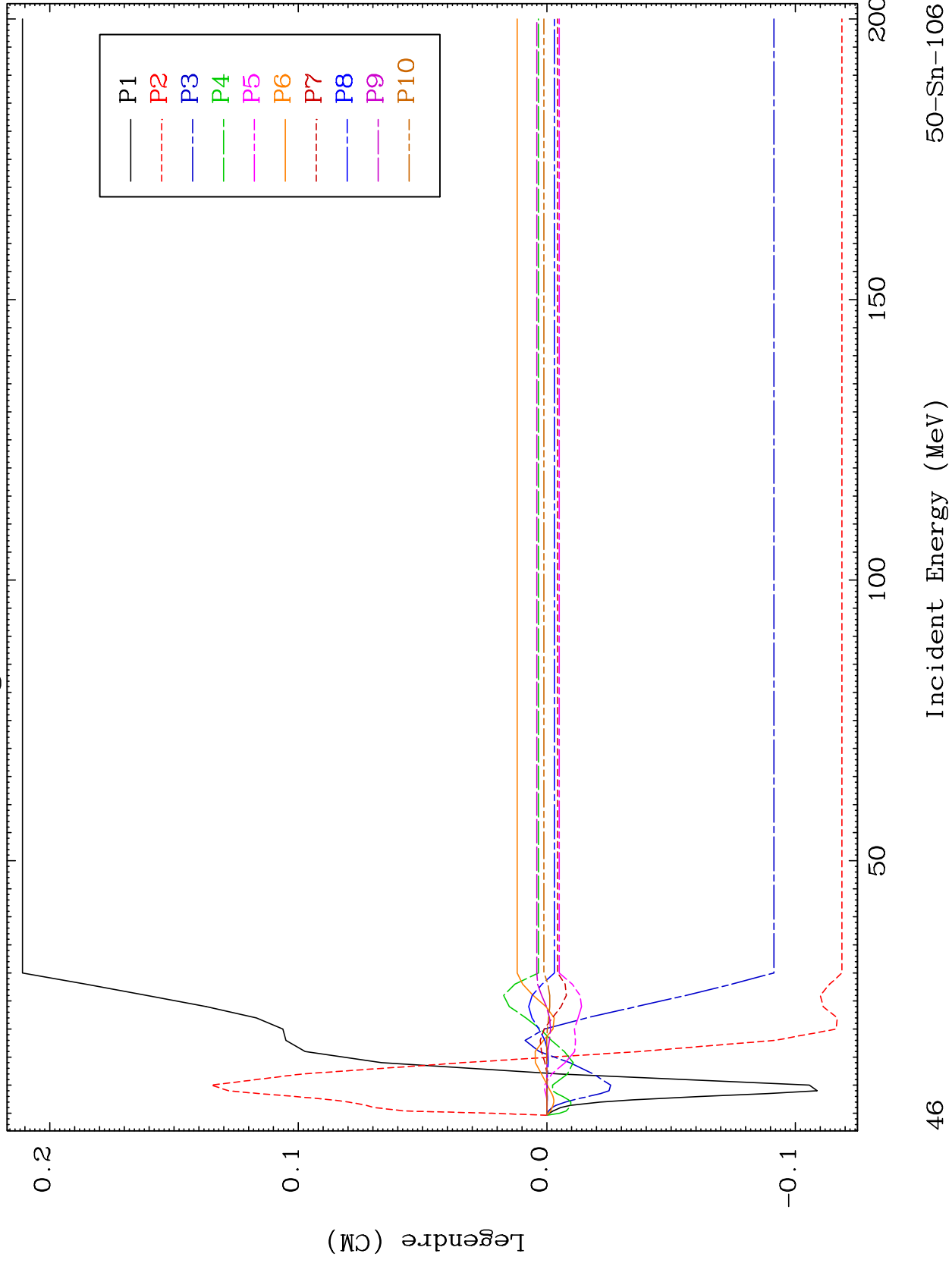




MAT 5007

MT= 59 (n,n') Level  
Legendre Coefficients

50-Sn-106



46

Incident Energy (MeV)

50-Sn-106

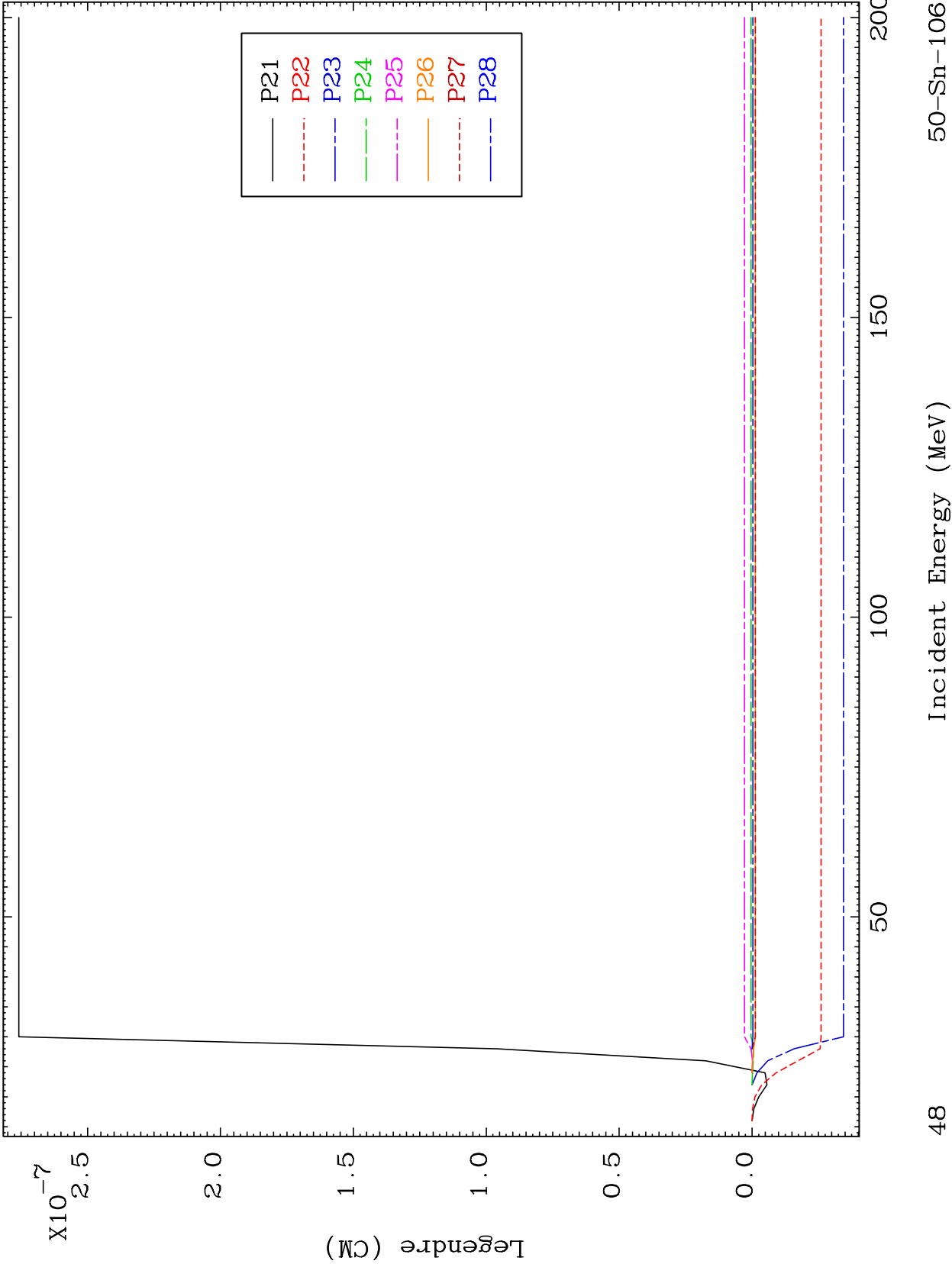




MAT 5007

MT= 59 (n,n') Level  
Legendre Coefficients

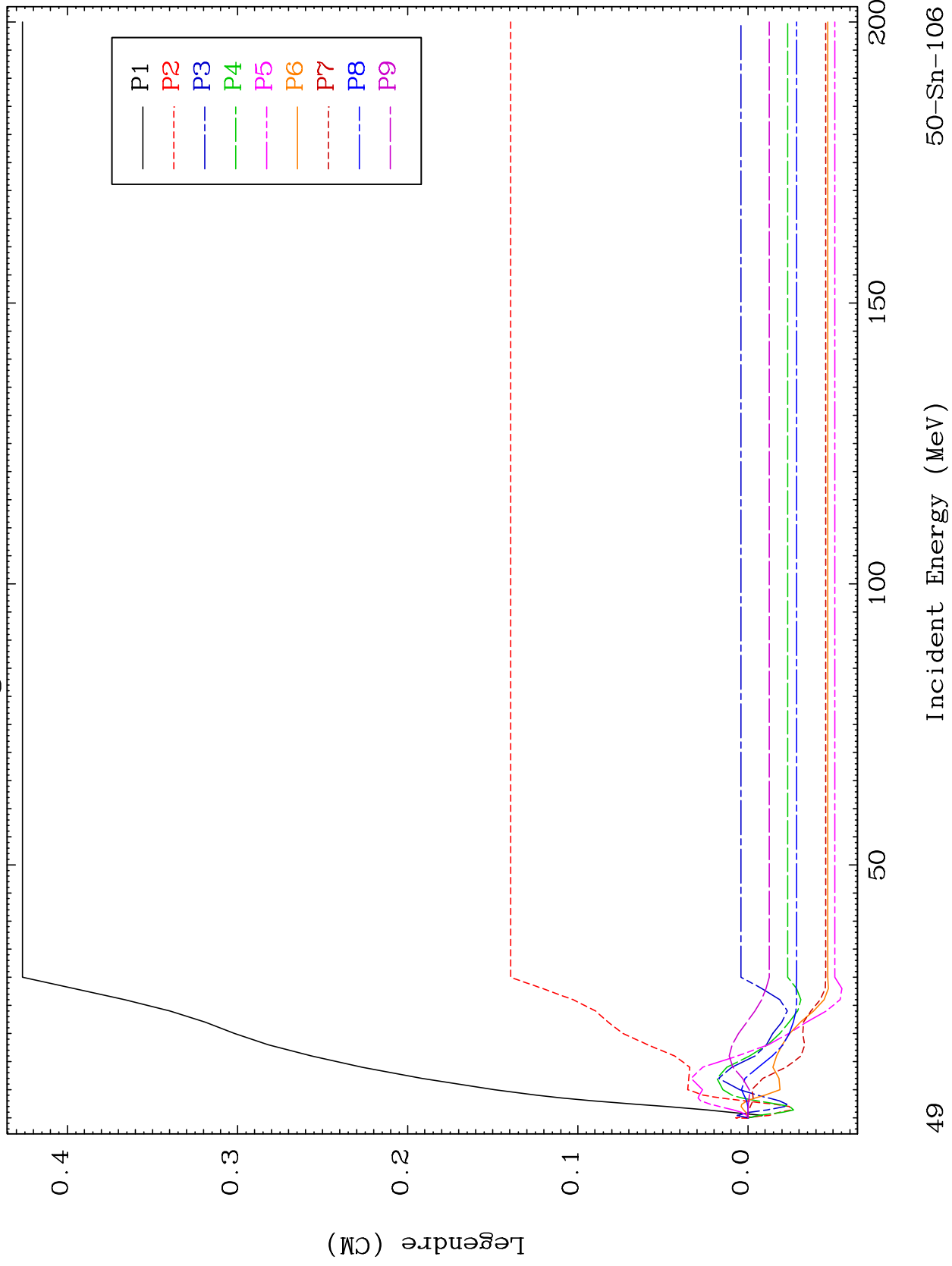
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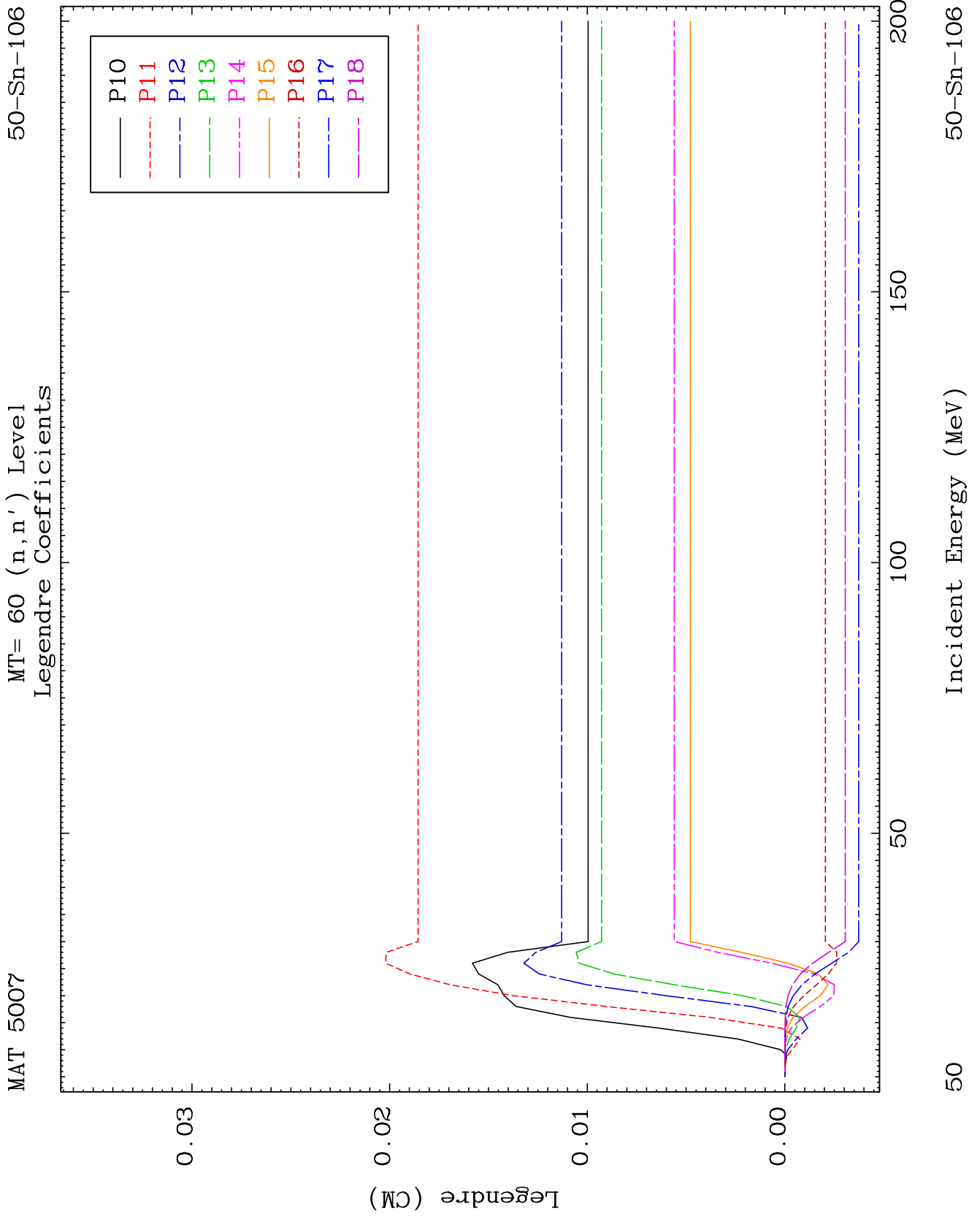


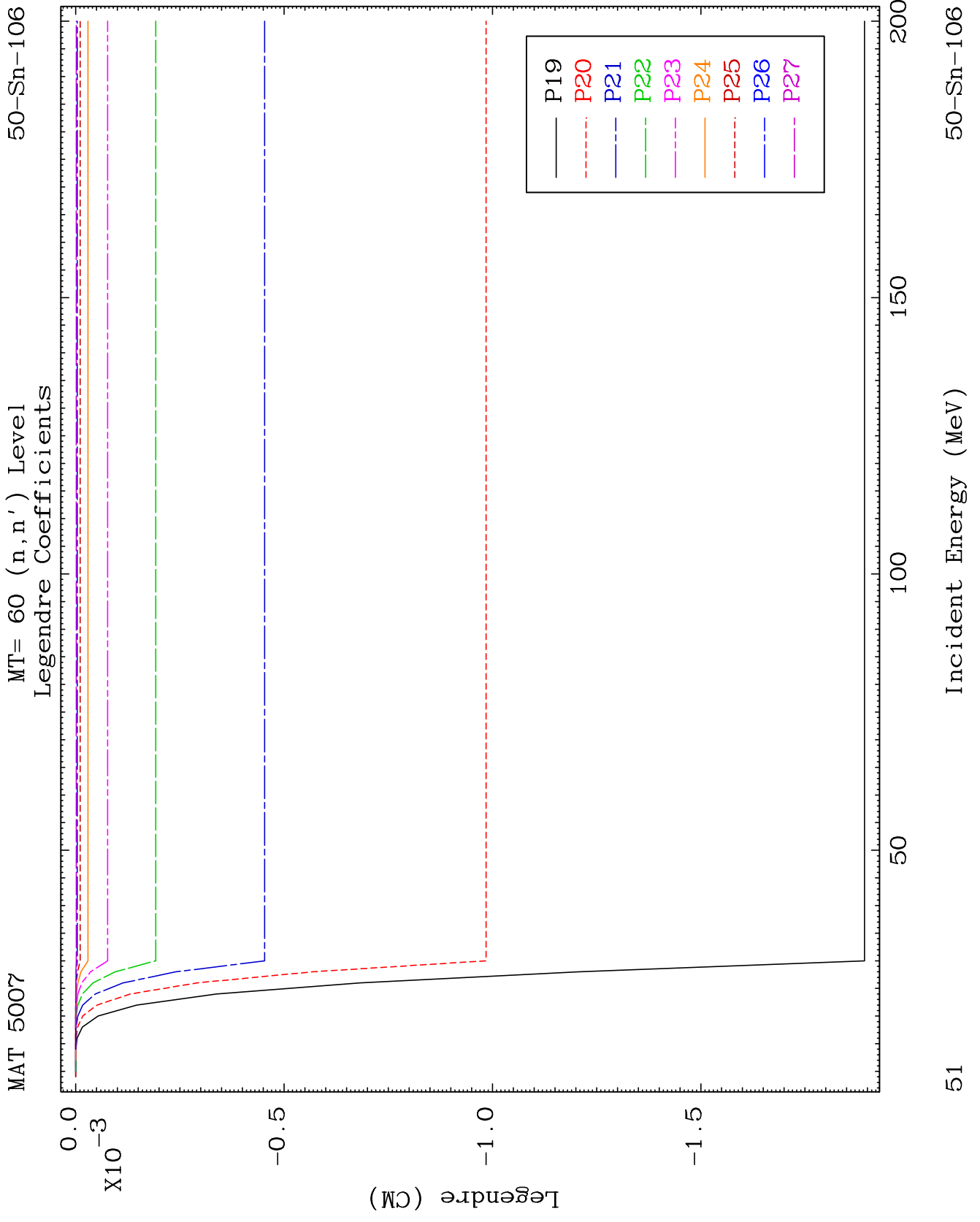
MAT 5007

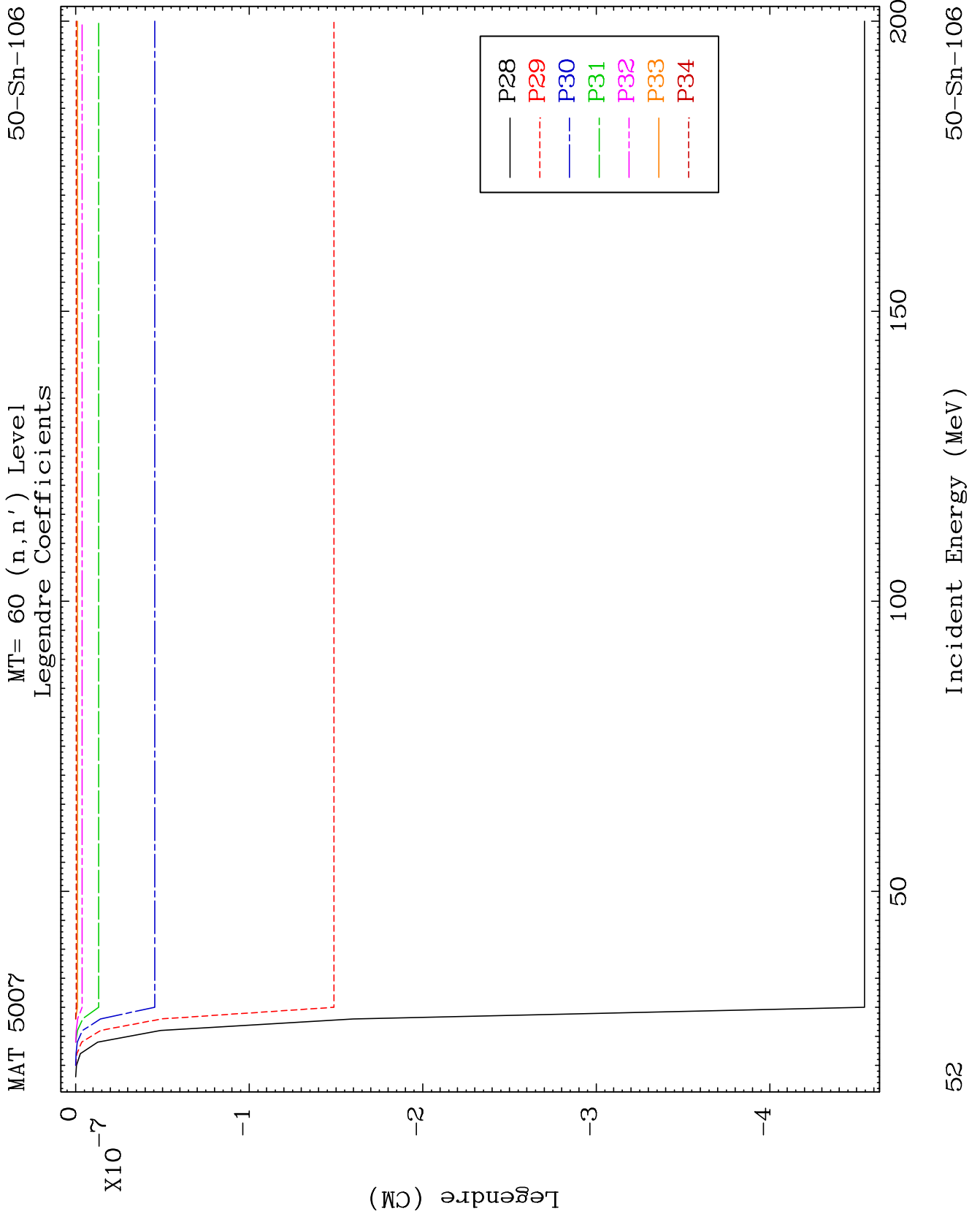
MT= 60 (n,n') Level  
Legendre Coefficients

50-Sn-106







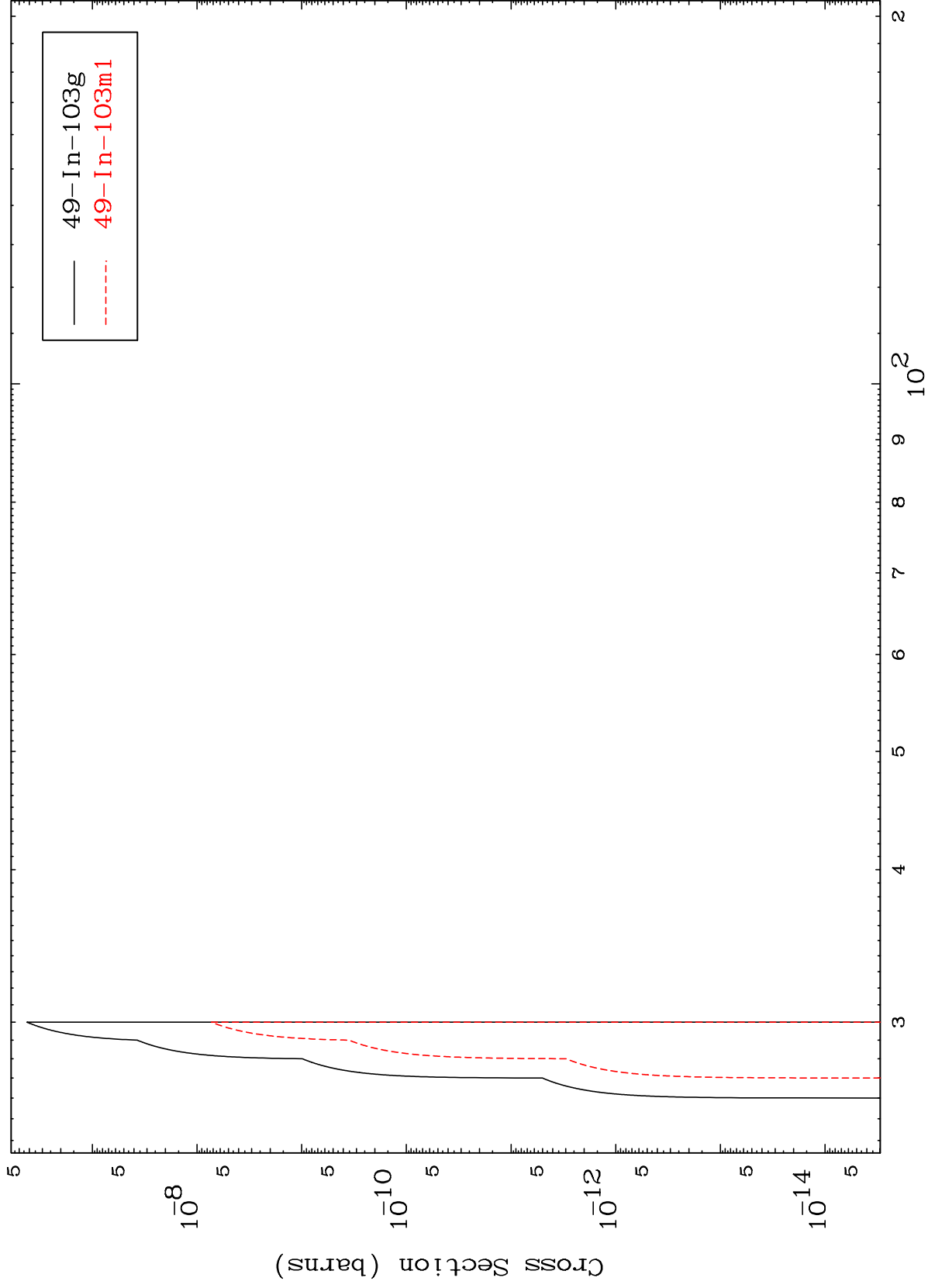


MAT 5007

(n,2n) d

50-Sn-106

Radionuclide Production Cross Section



53

Incident Energy (MeV)

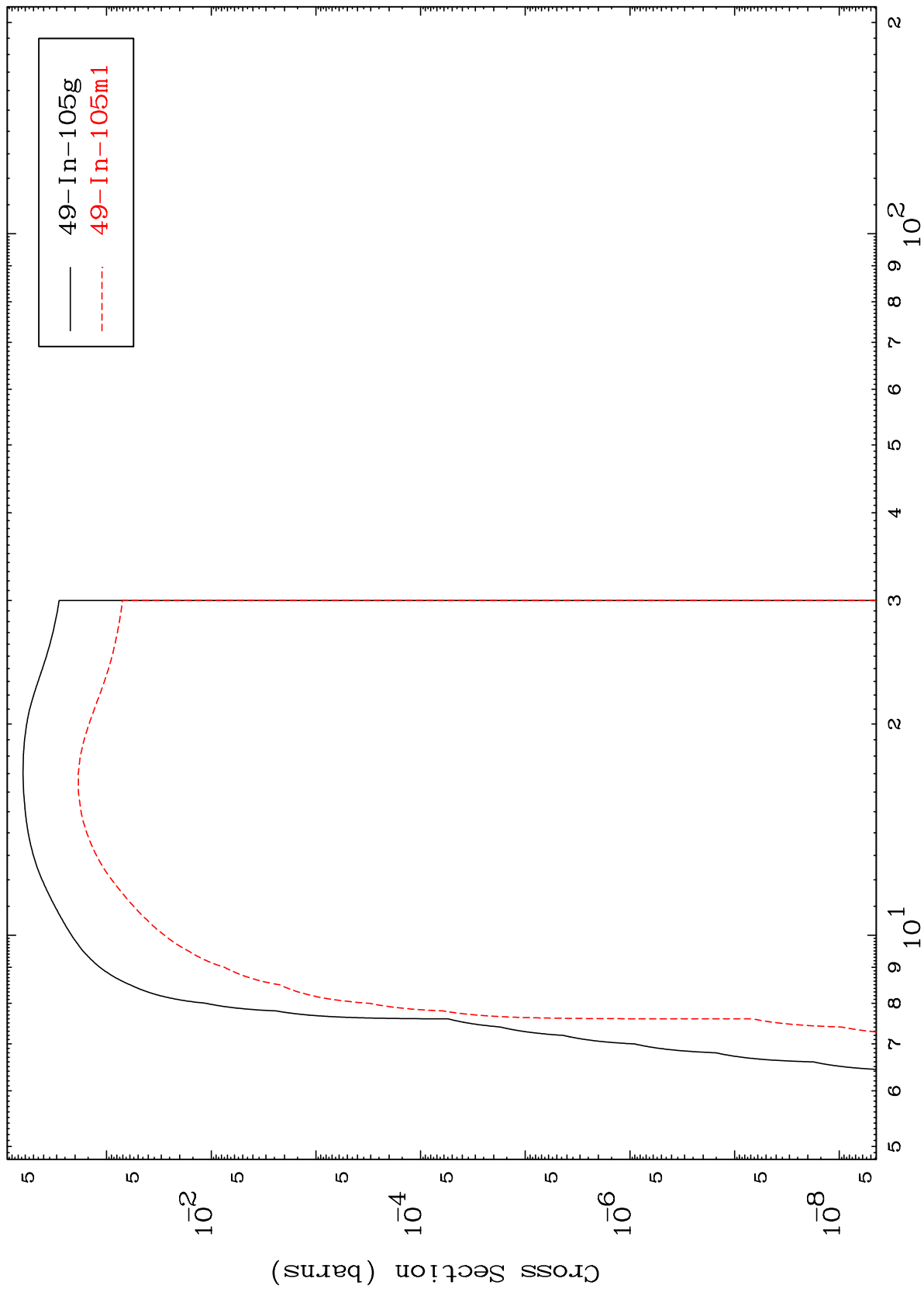
50-Sn-106

MAT 5007

(n,n') p

50-Sn-106

Radionuclide Production Cross Section

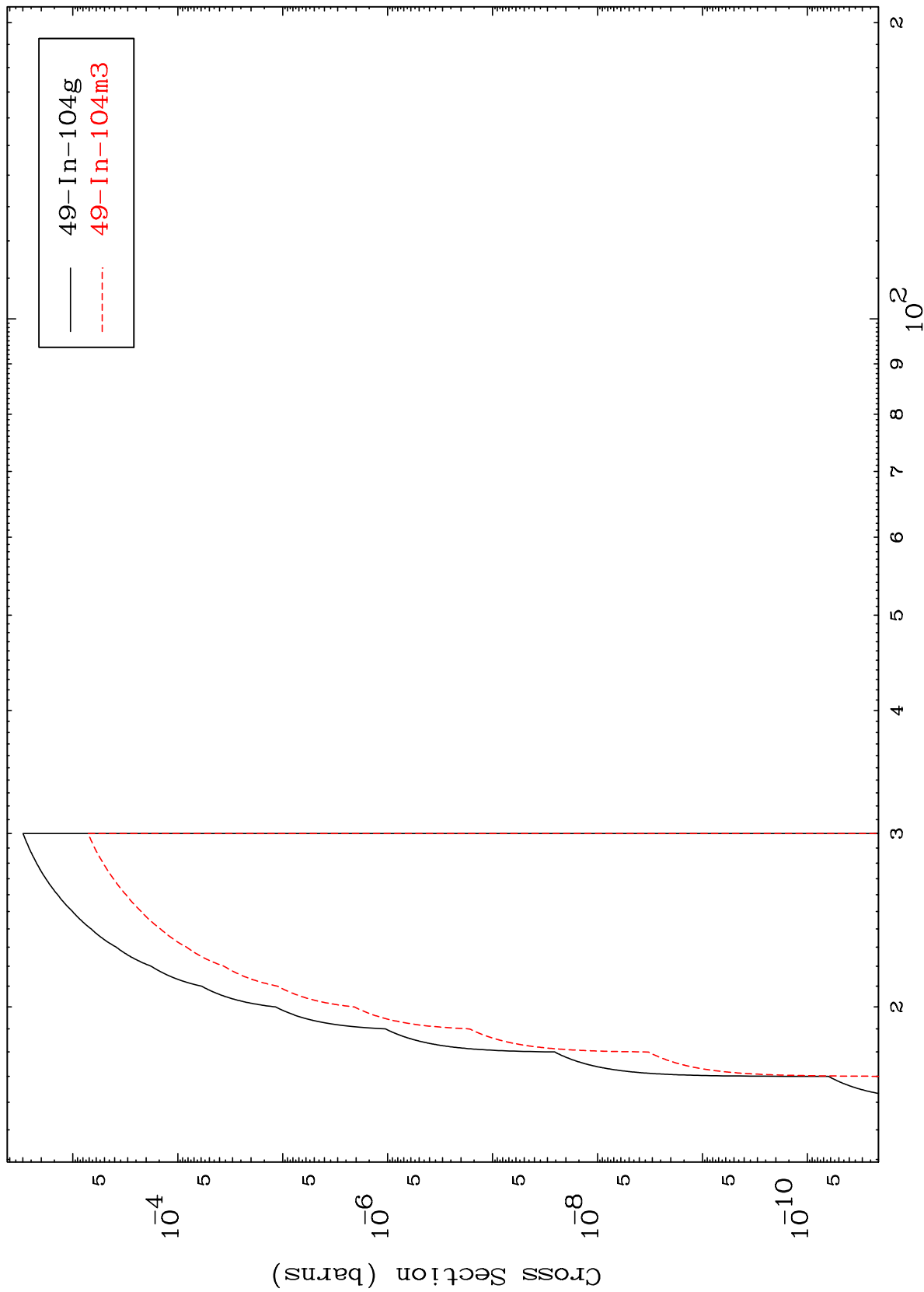


54

Incident Energy (MeV)

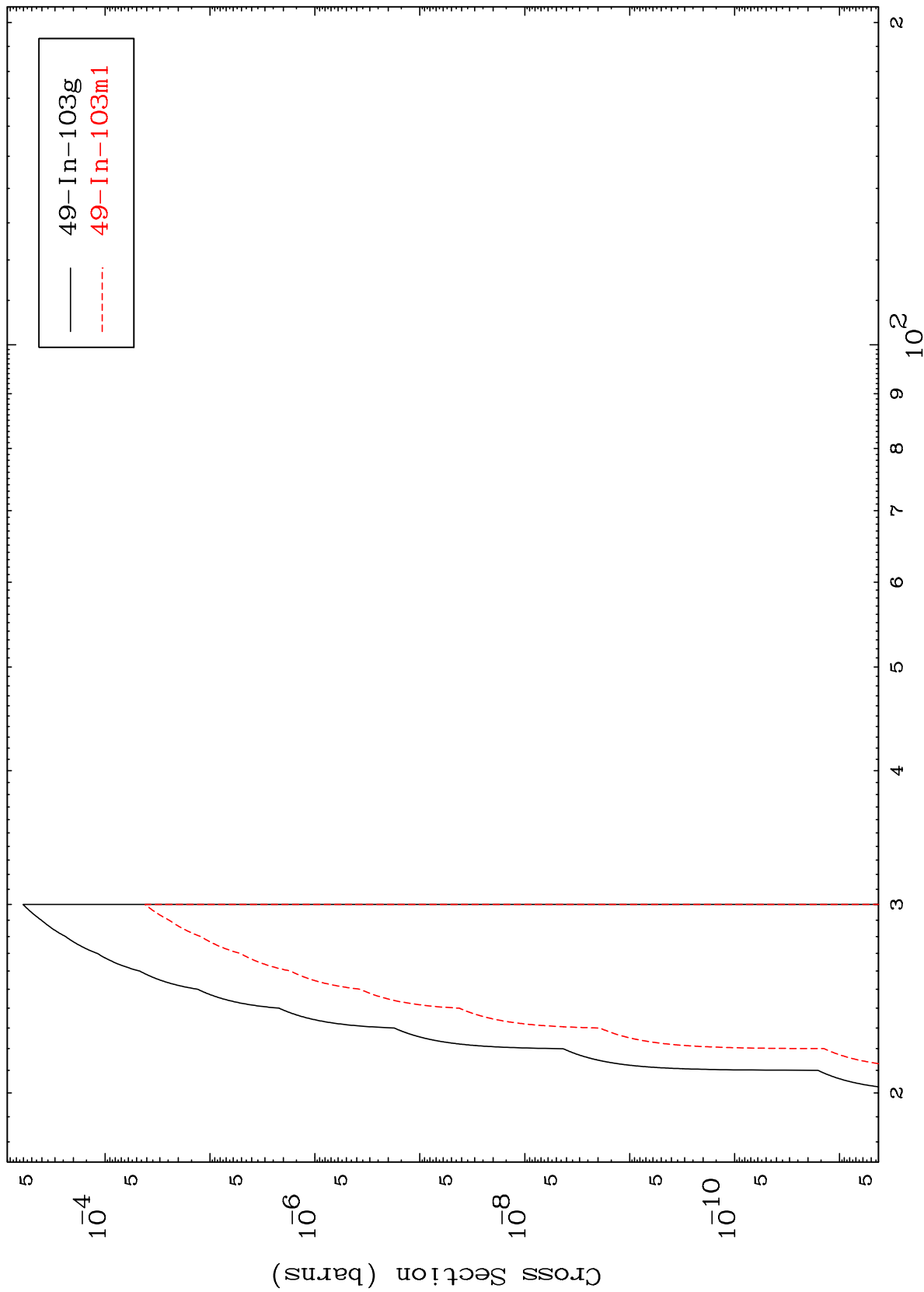
50-Sn-106

Radionuclide Production Cross Section





Radionuclide Production Cross Section

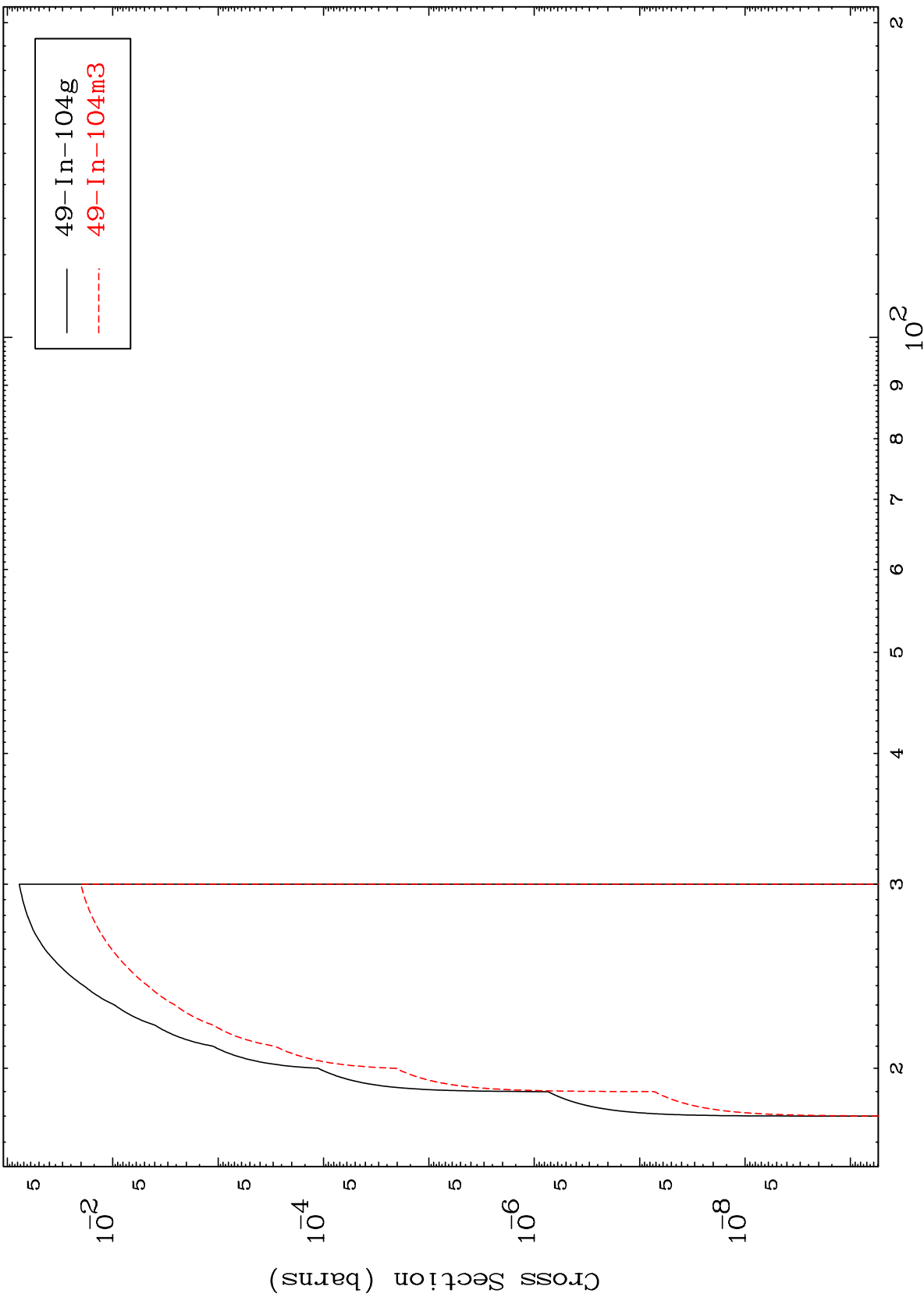


MAT 5007

(n,2n) p

50-Sn-106

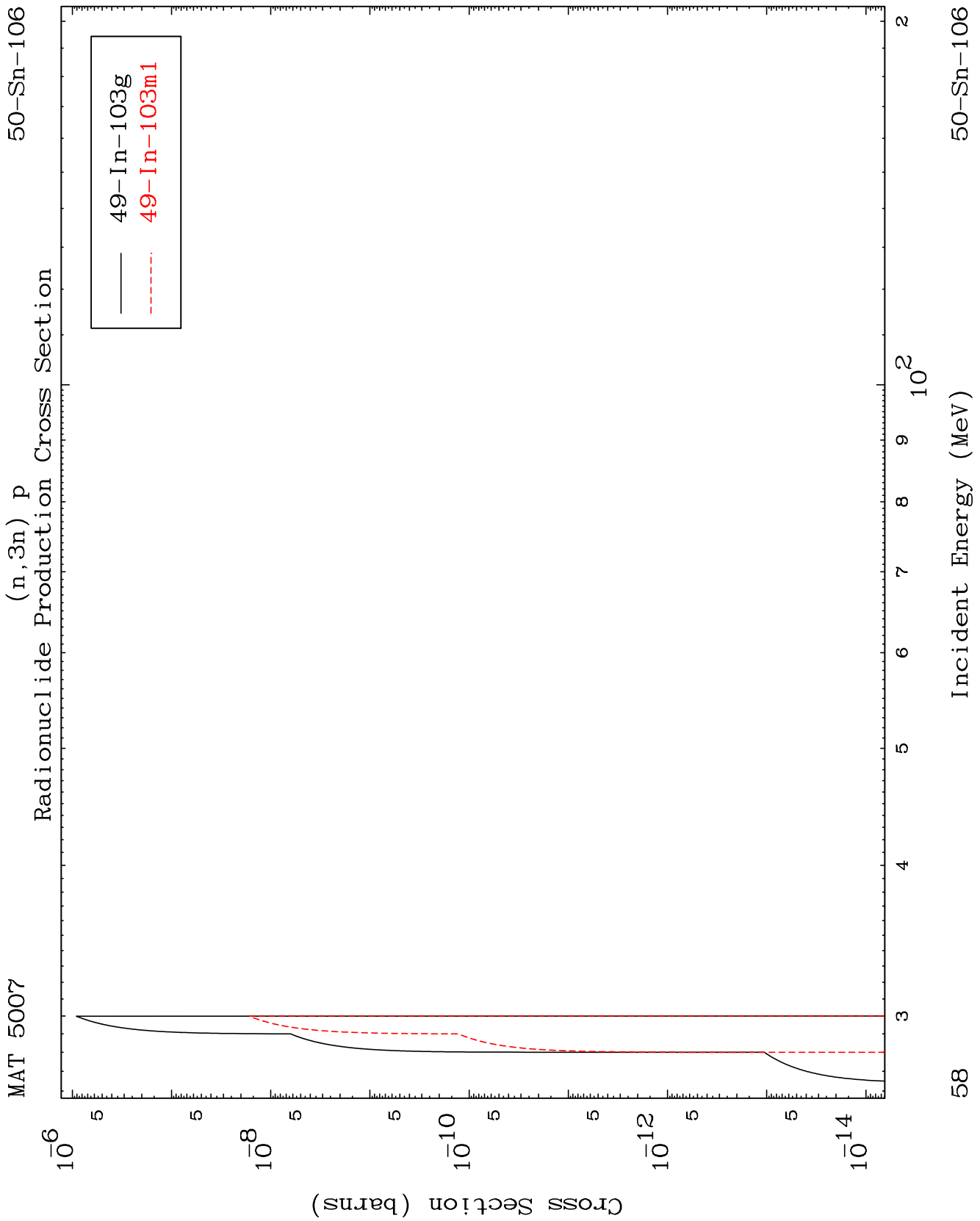
Radionuclide Production Cross Section



57

Incident Energy (MeV)

50-Sn-106

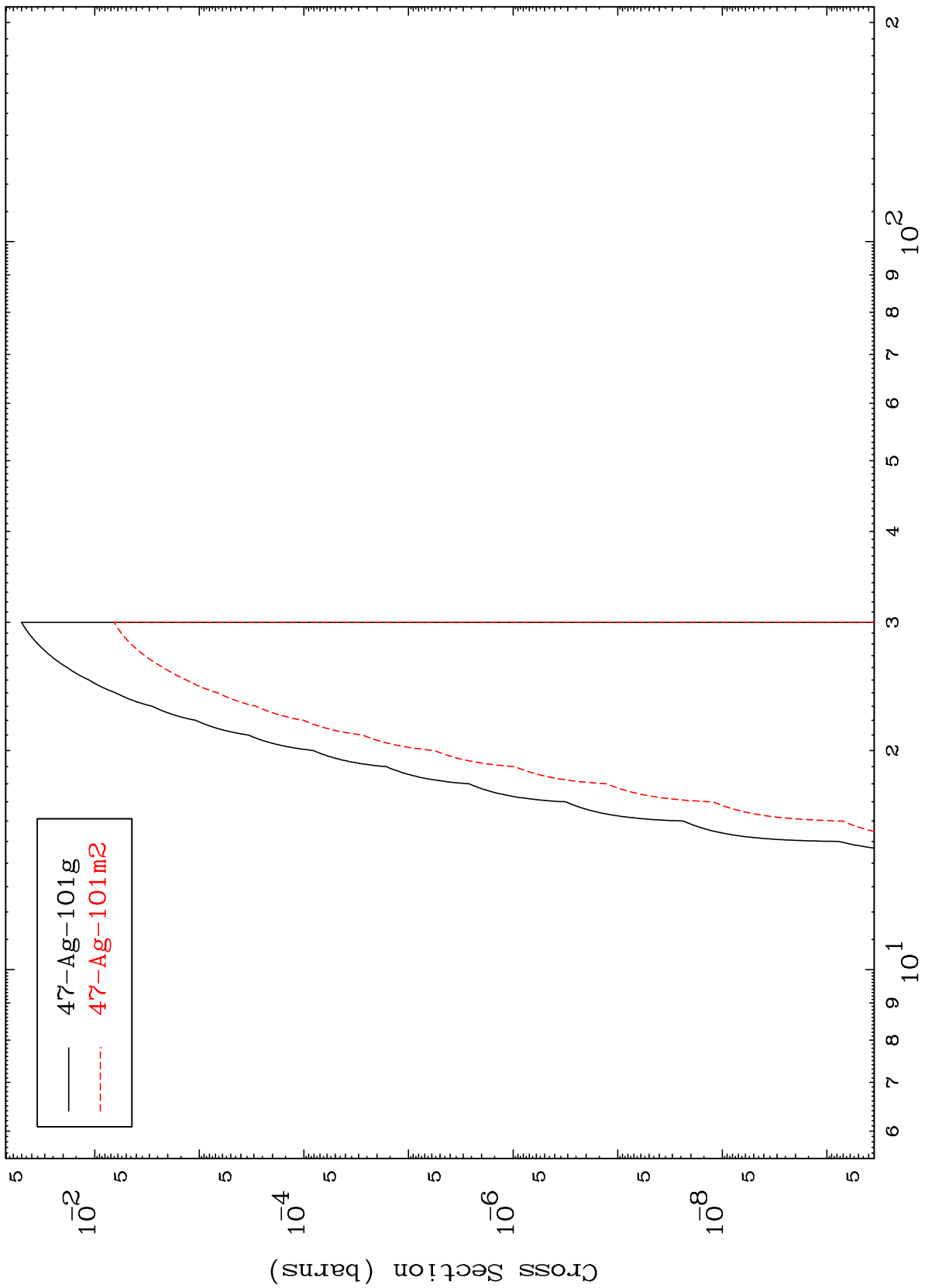


MAT 5007

(n,n') p  $\alpha$

50-Sn-106

Radionuclide Production Cross Section



— 47-Ag-101g  
- - - 47-Ag-101m2

59

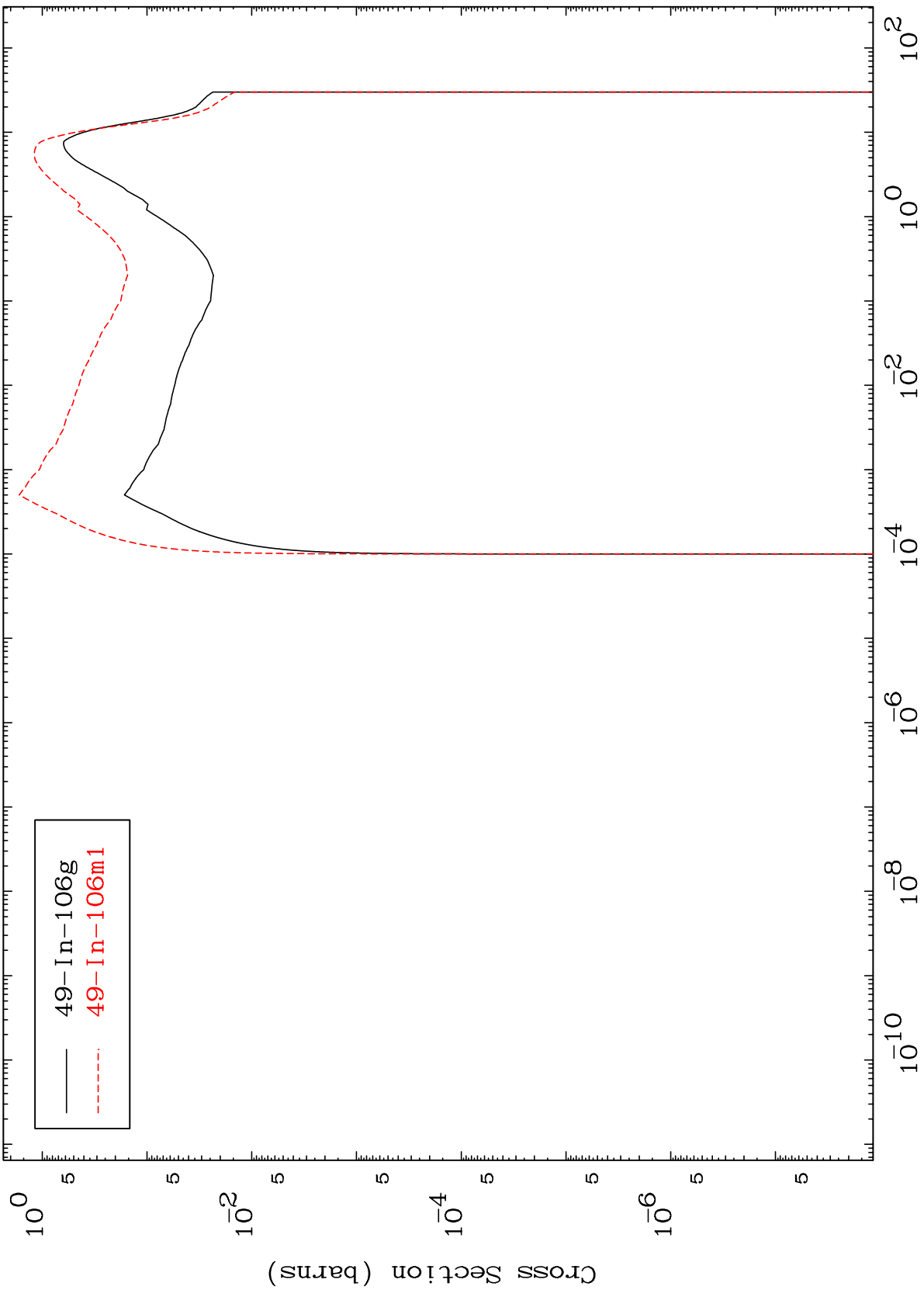
Incident Energy (MeV)

50-Sn-106

MAT 5007

50-Sn-106

(n,p)  
Radionuclide Production Cross Section



— 49-In-106g  
- - - 49-In-106m1

60

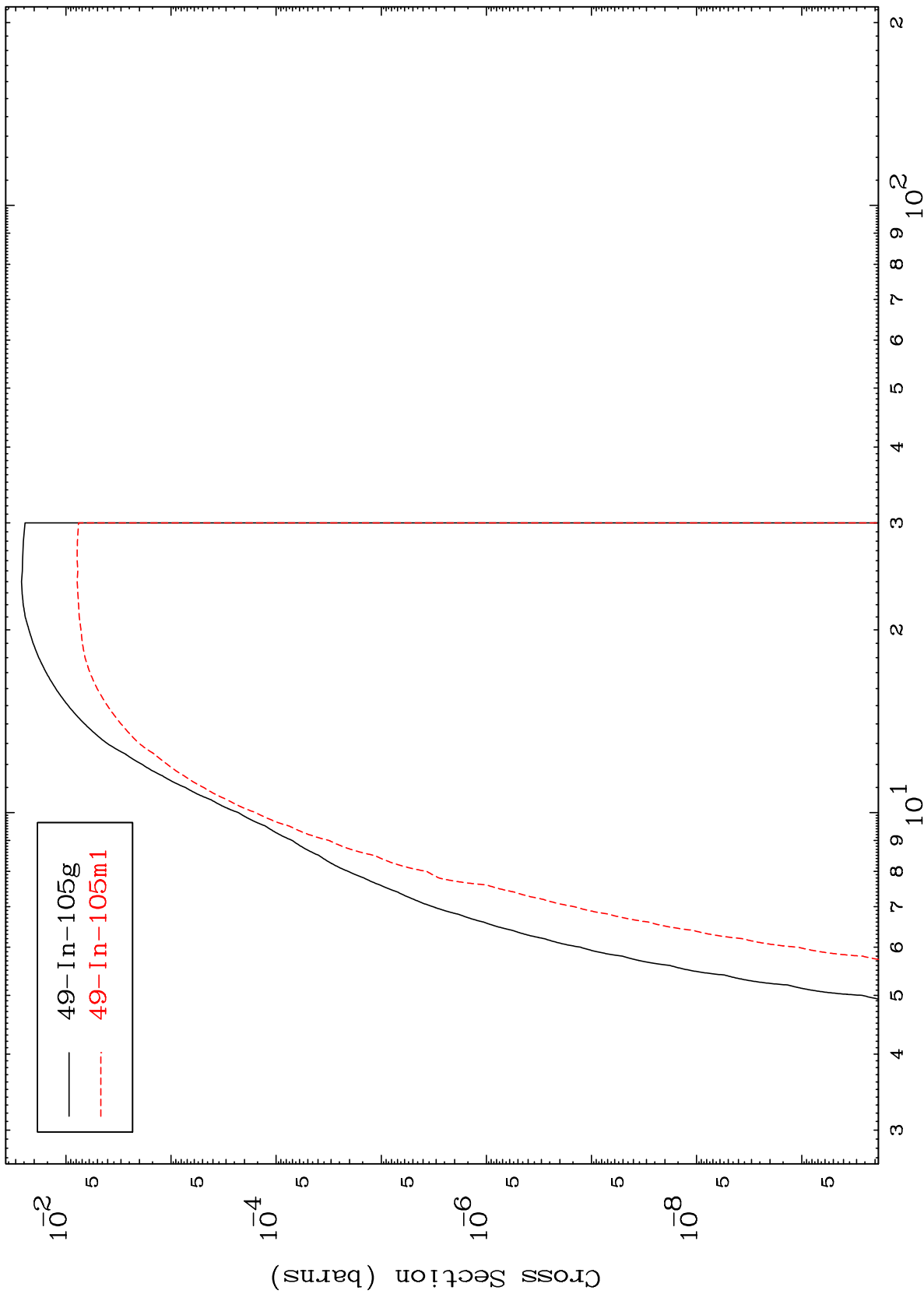
50-Sn-106

Incident Energy (MeV)

MAT 5007

50-Sn-106

(n,d)  
Radionuclide Production Cross Section



61

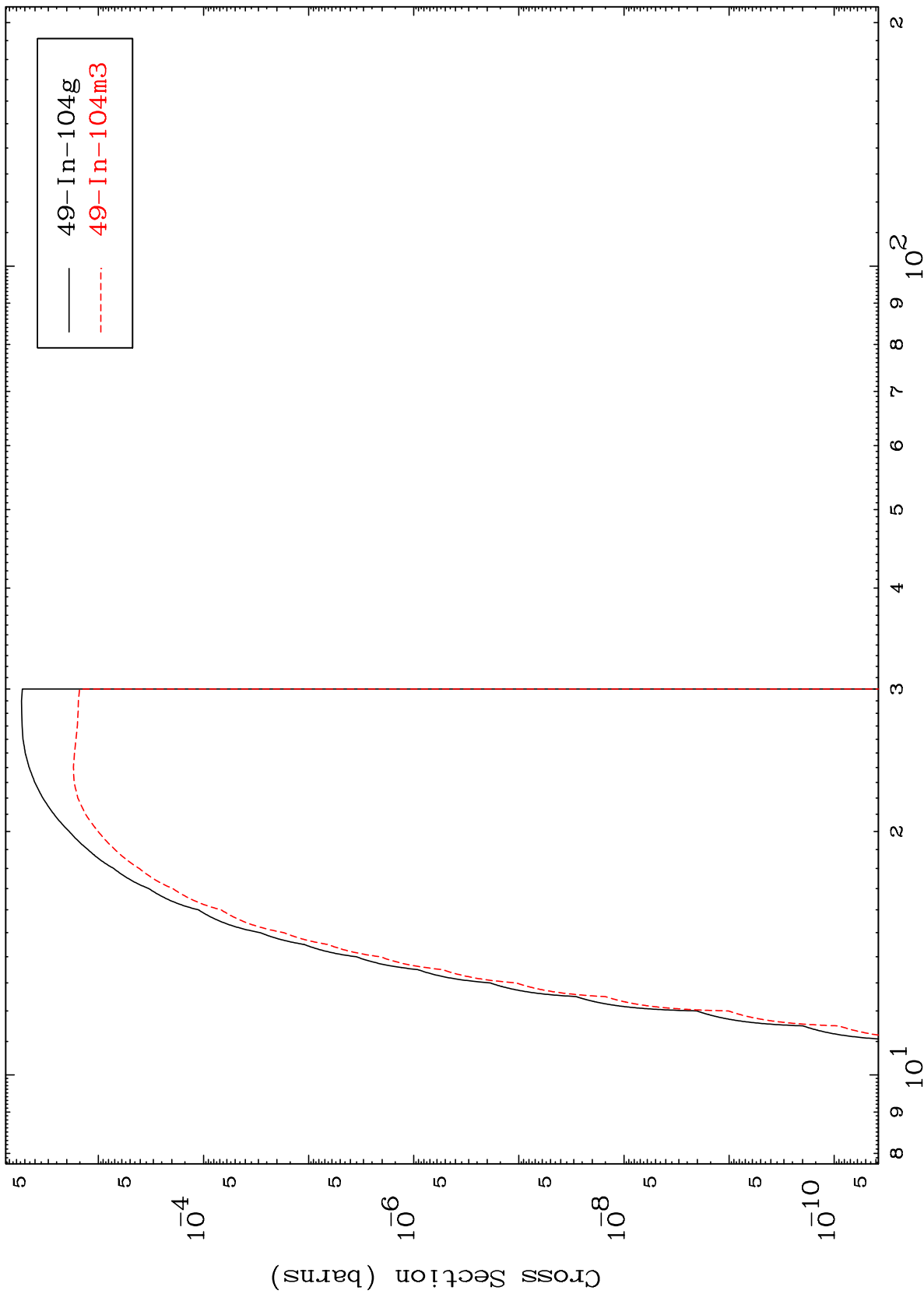
Incident Energy (MeV)

50-Sn-106

MAT 5007

50-Sn-106

(n,t)  
Radionuclide Production Cross Section



62

Incident Energy (MeV)

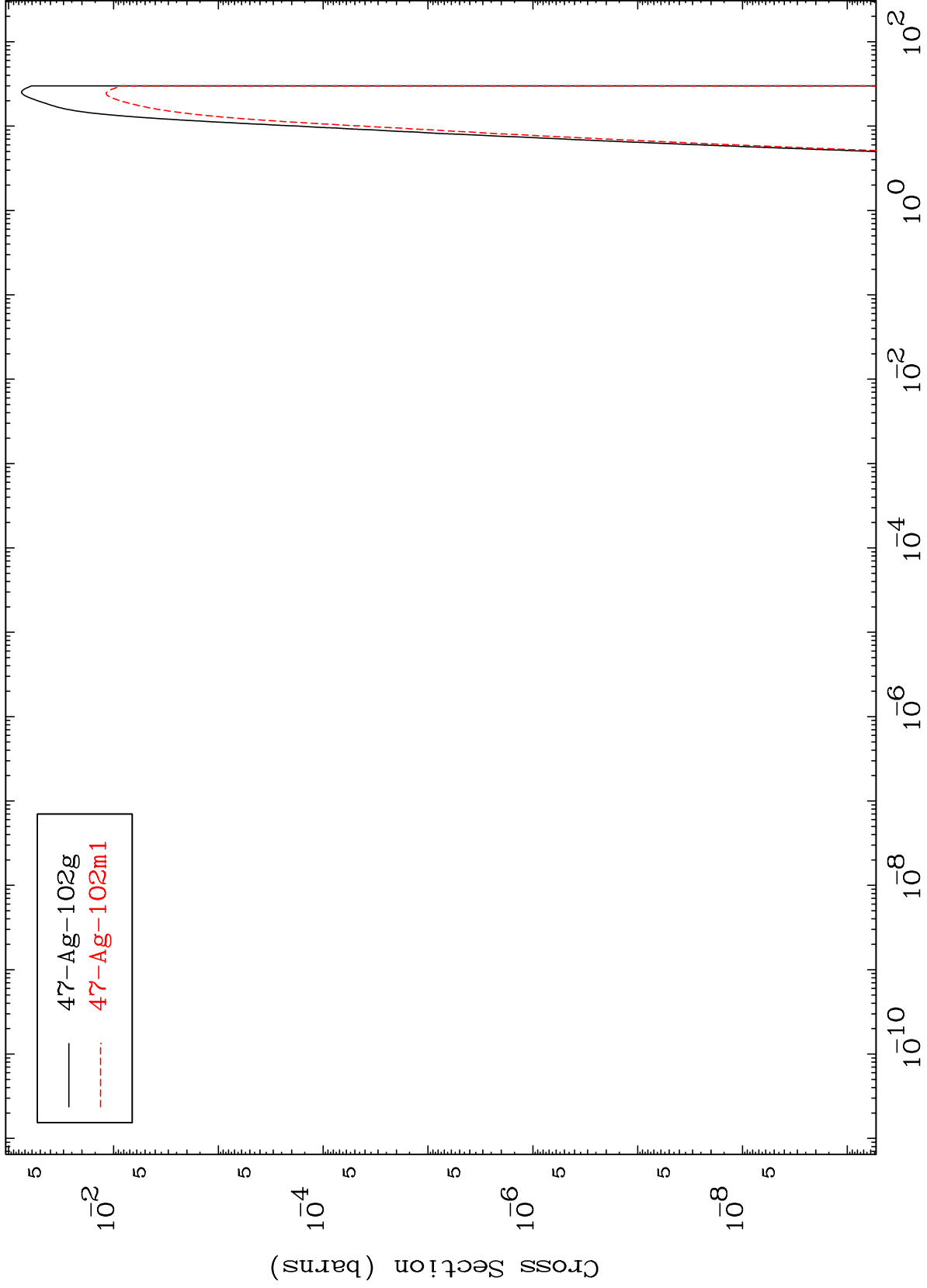
50-Sn-106

MAT 5007

(n,p)  $\alpha$

50-Sn-106

Radionuclide Production Cross Section



63

Incident Energy (MeV)

50-Sn-106

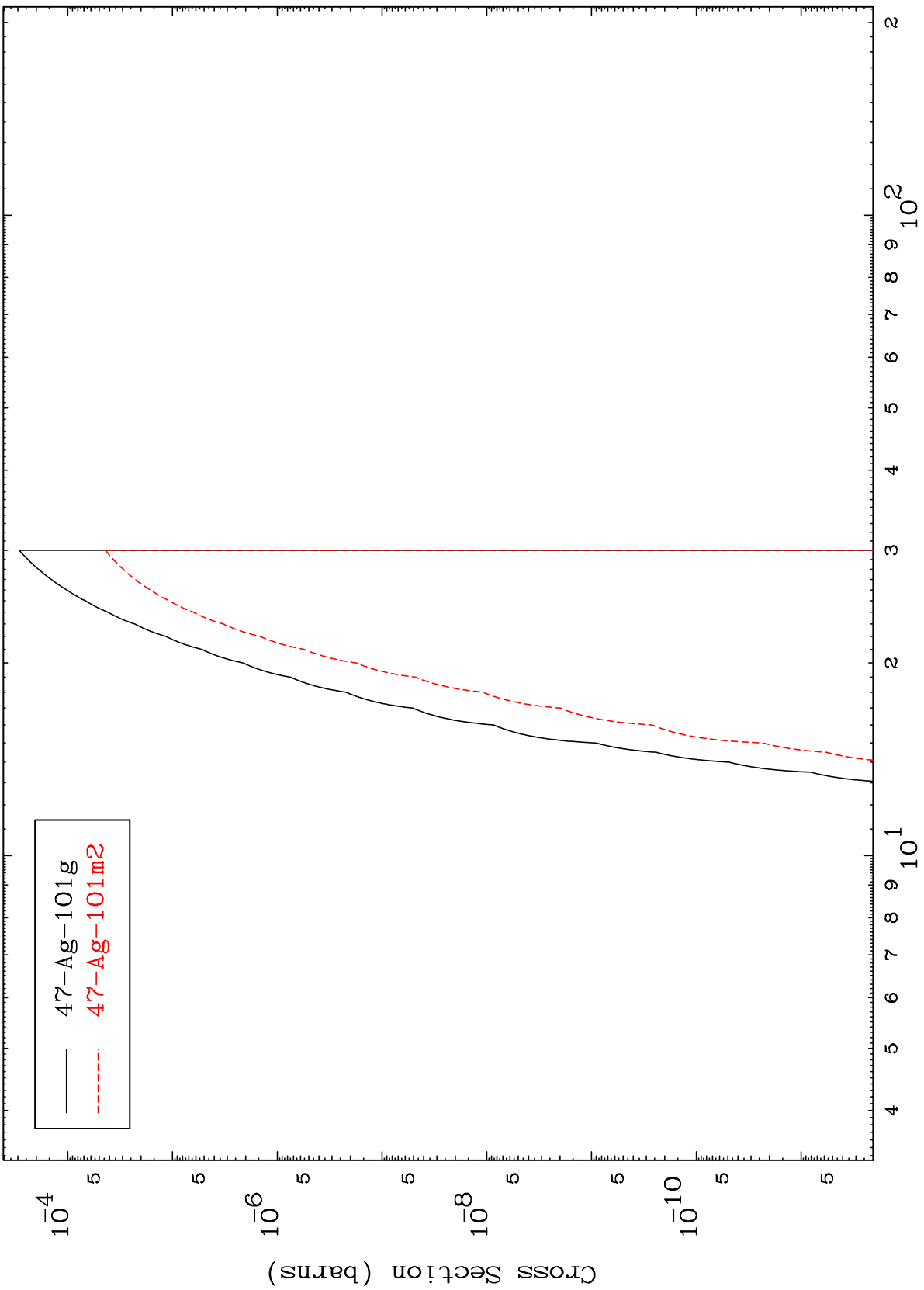


MAT 5007

(n,d)  $\alpha$

50-Sn-106

Radionuclide Production Cross Section



— 47-Ag-101g  
- - - 47-Ag-101m2

64

Incident Energy (MeV)

50-Sn-106