

Program EVALPLOT  
(Version 2021-1)

by

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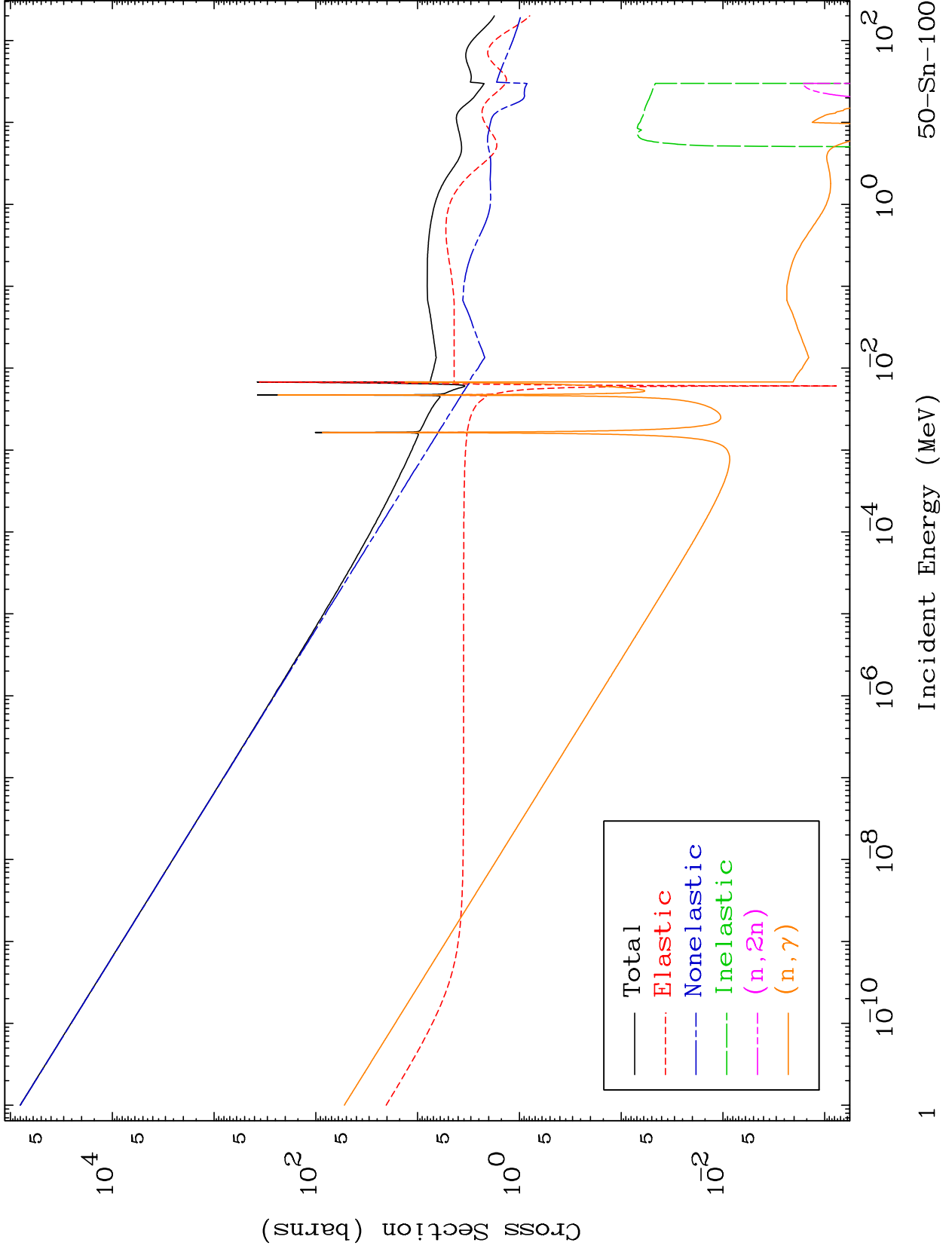
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Press Mouse Button to Start

MAT 4989

Neutron Major  
293 Kelvin Cross Sections

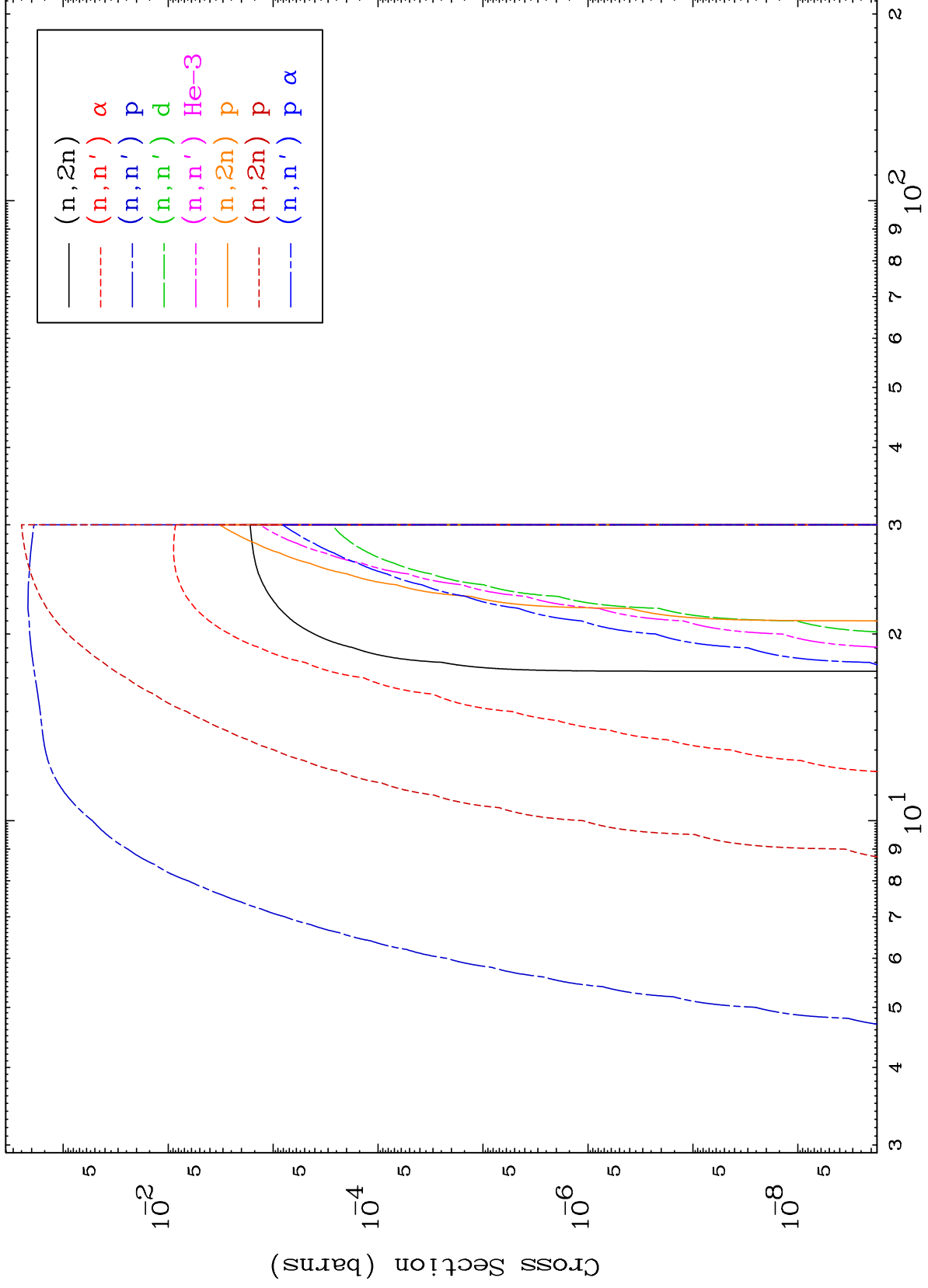
50-Sn-100



MAT 4989

Neutron Absorption  
293 Kelvin Cross Sections

50-Sn-100



2

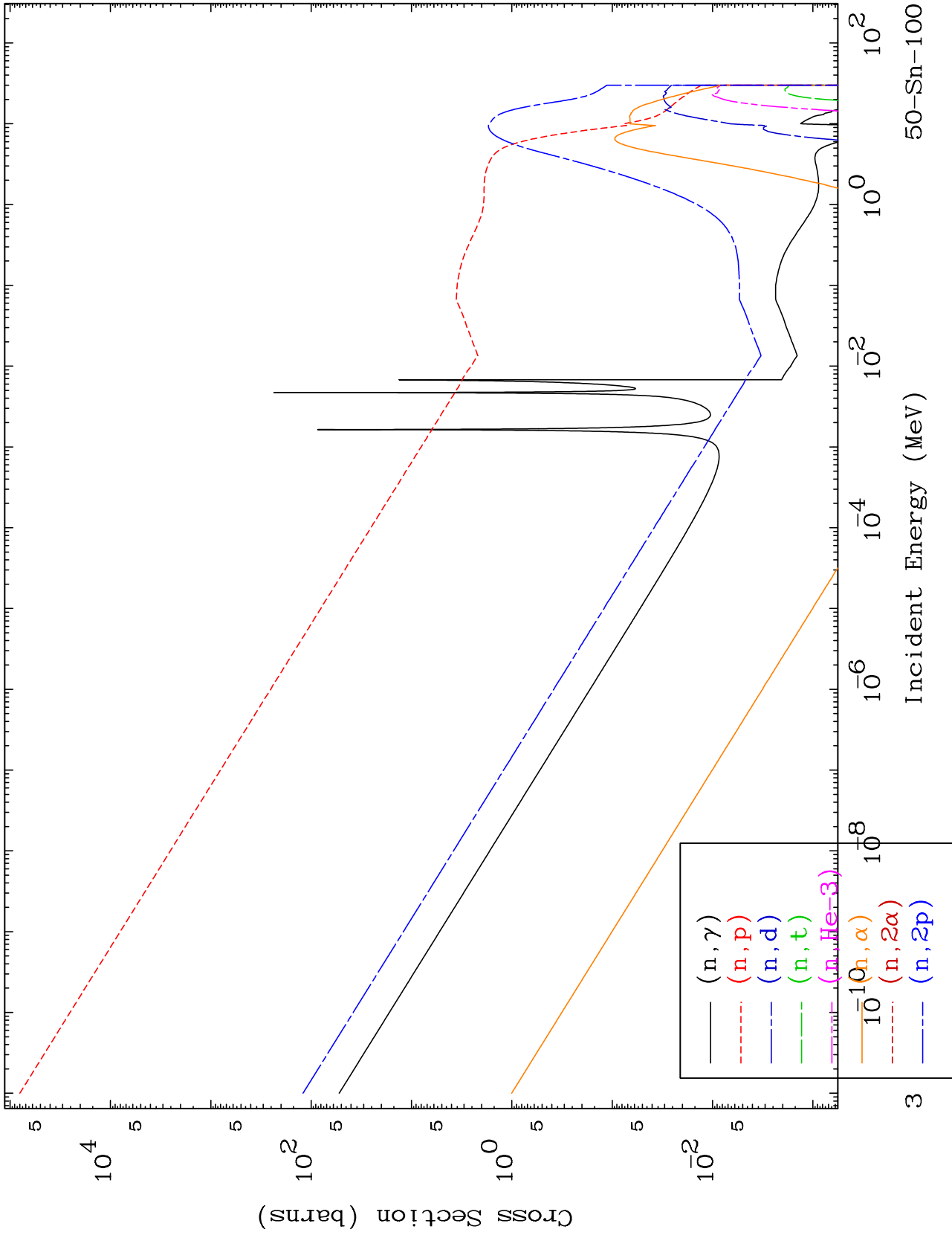
Incident Energy (MeV)

50-Sn-100

MAT 4989

Neutron Absorption  
293 Kelvin Cross Sections

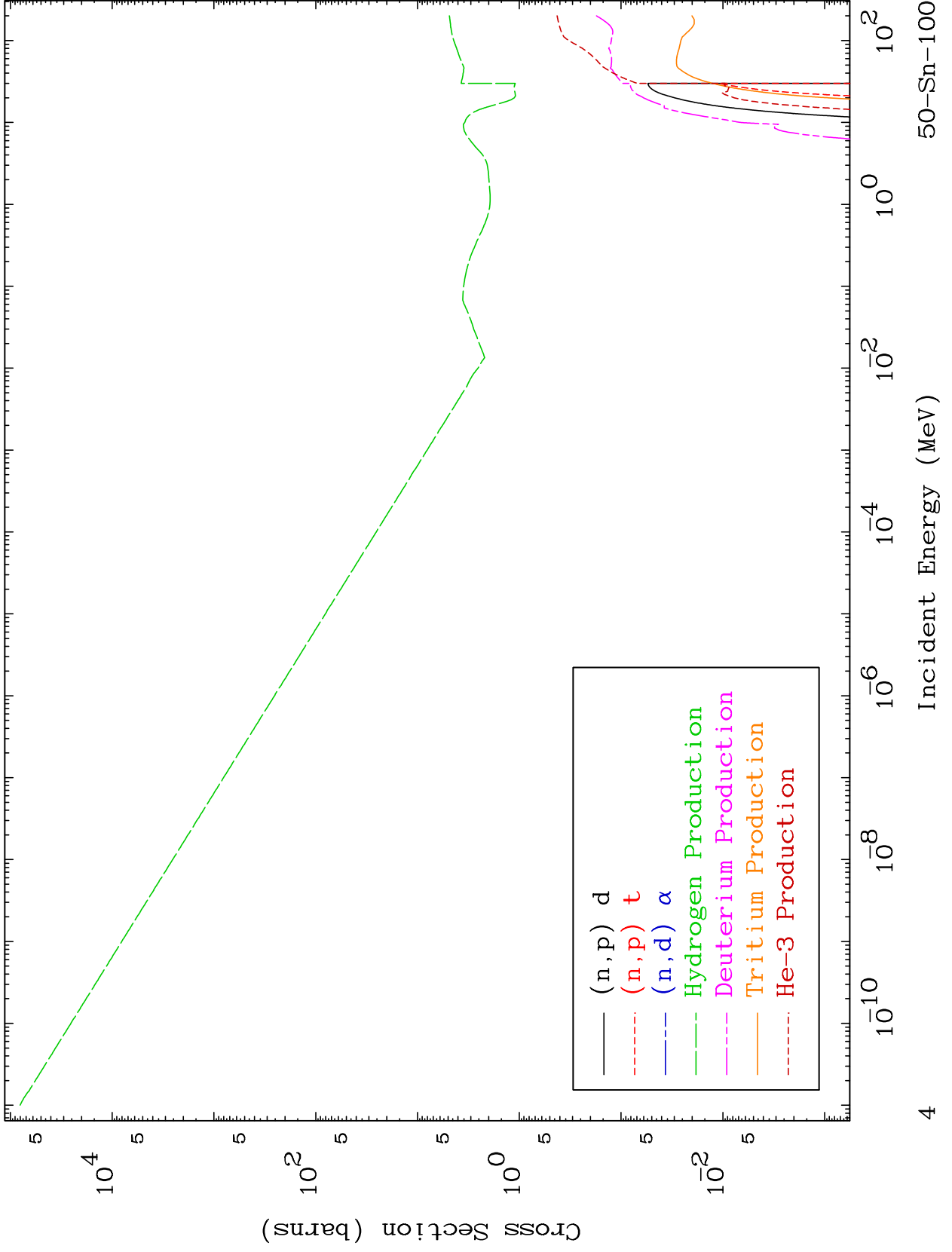
50-Sn-100



MAT 4989

Neutron Absorption  
293 Kelvin Cross Sections

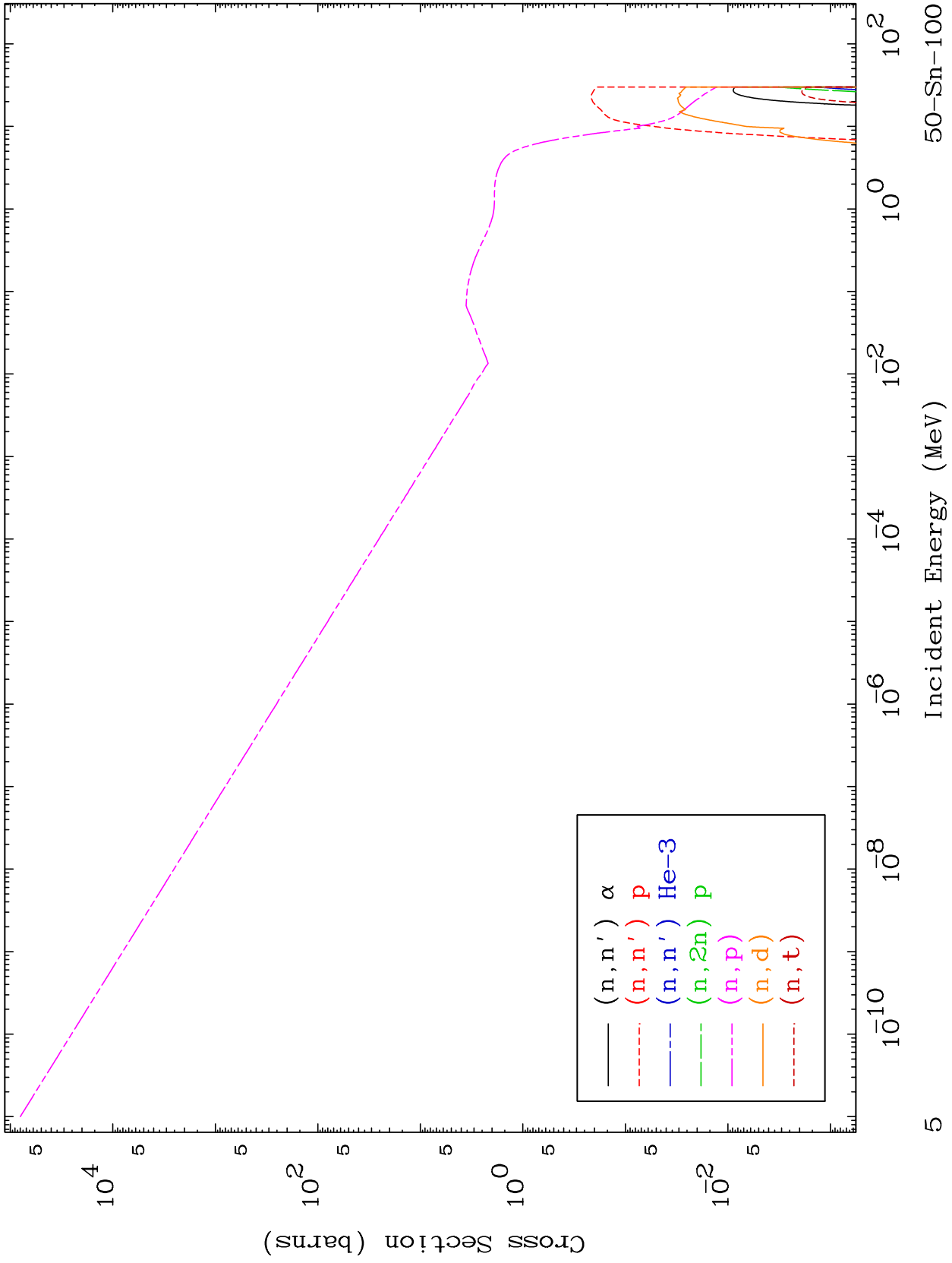
50-Sn-100



MAT 4989

Charged Particle  
293 Kelvin Cross Sections

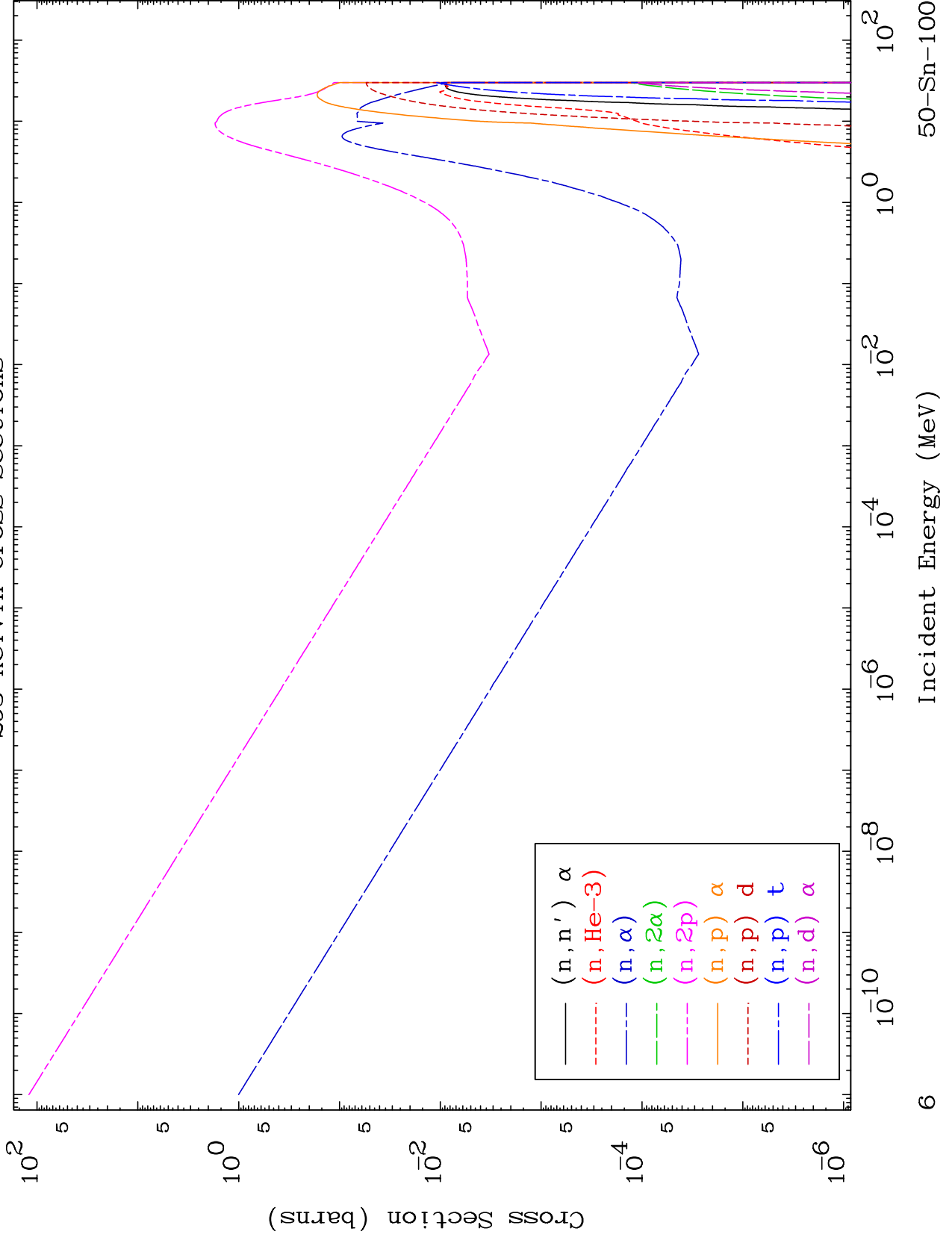
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MAT 4989

Charged Particle  
293 Kelvin Cross Sections

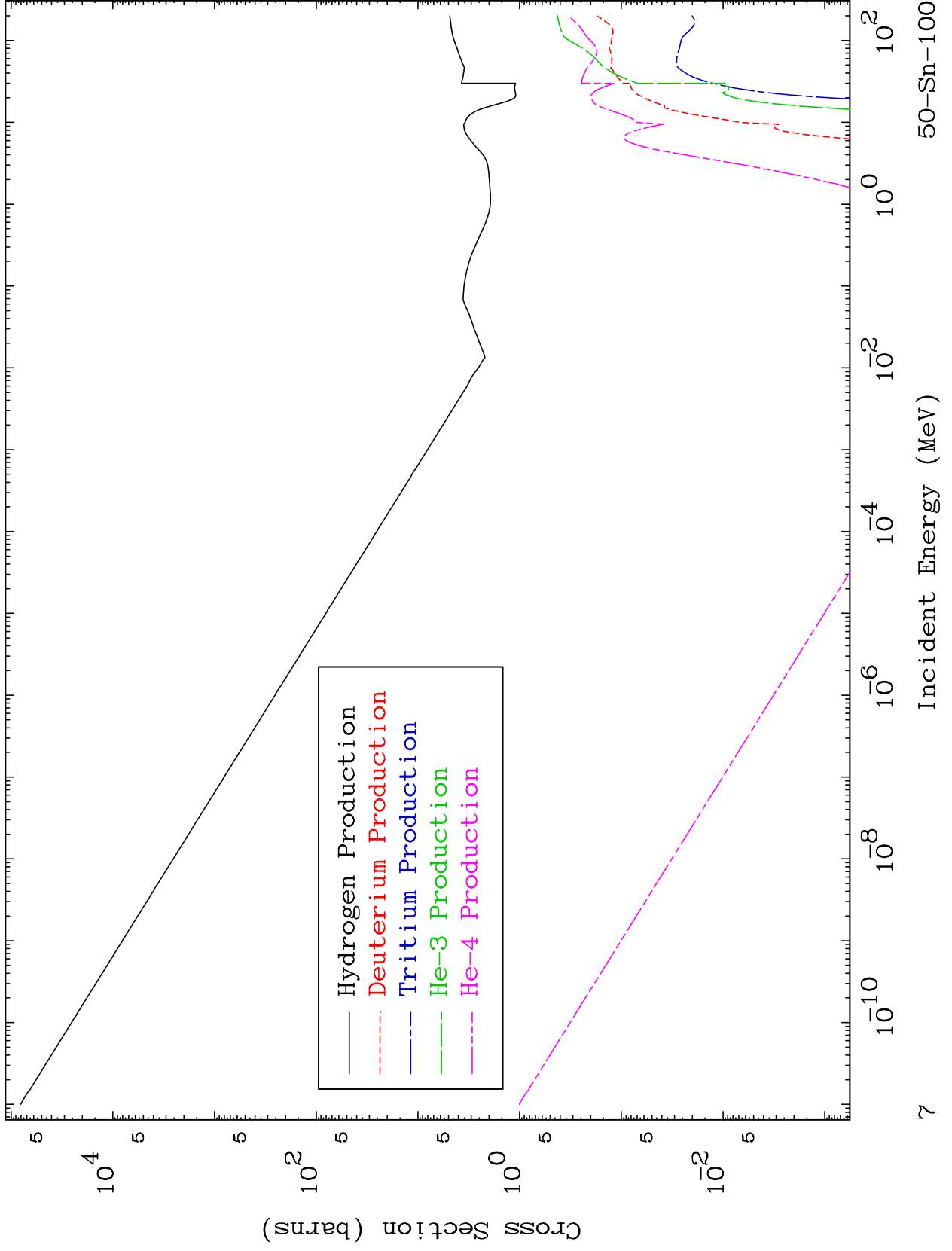
50-Sn-100



MAT 4989

Particle Production  
293 Kelvin Cross Sections

50-Sn-100

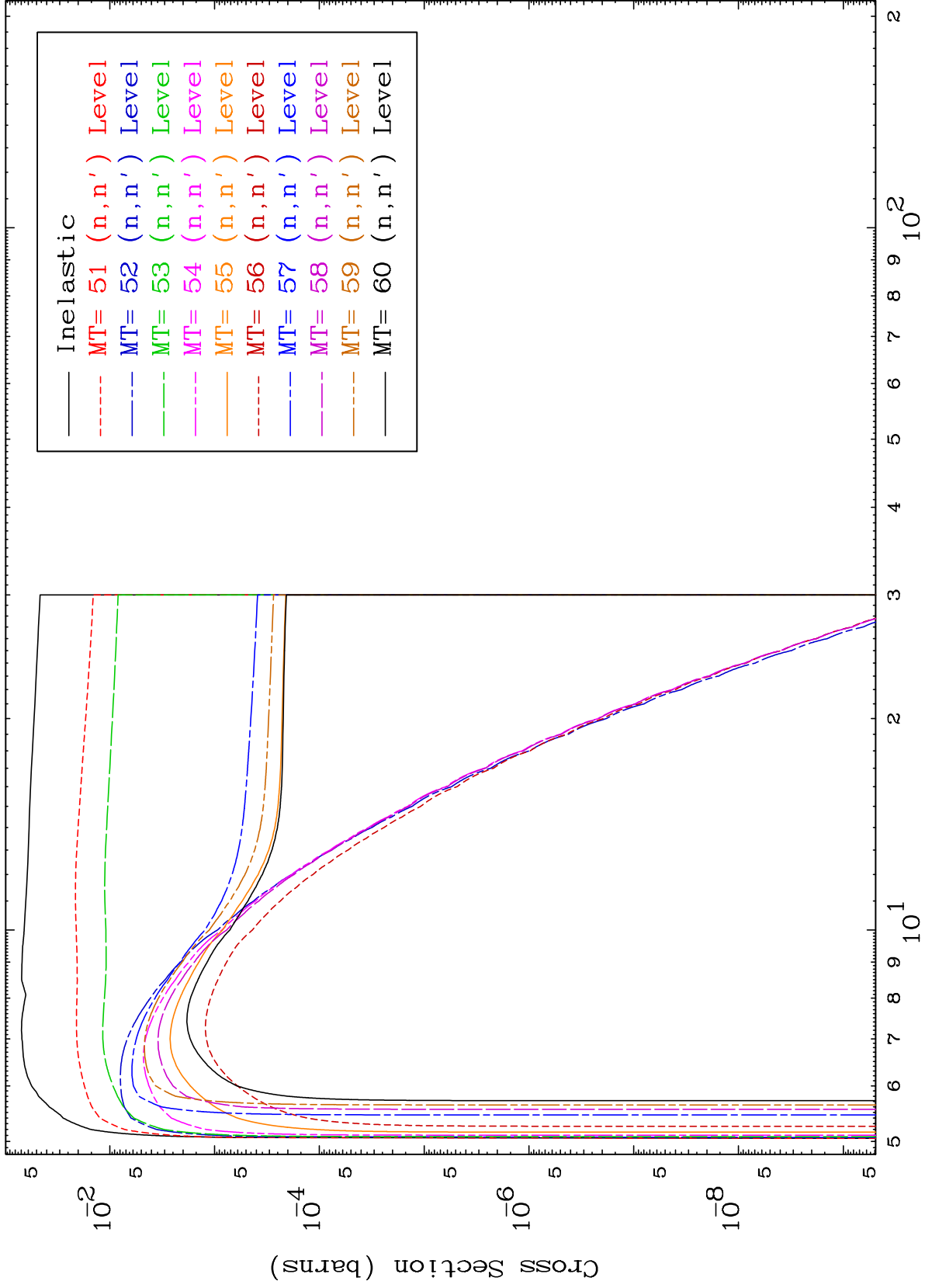


MAT 4989

(n,n') Levels

50-Sn-100

293 Kelvin Cross Sections



Incident Energy (MeV)

50-Sn-100

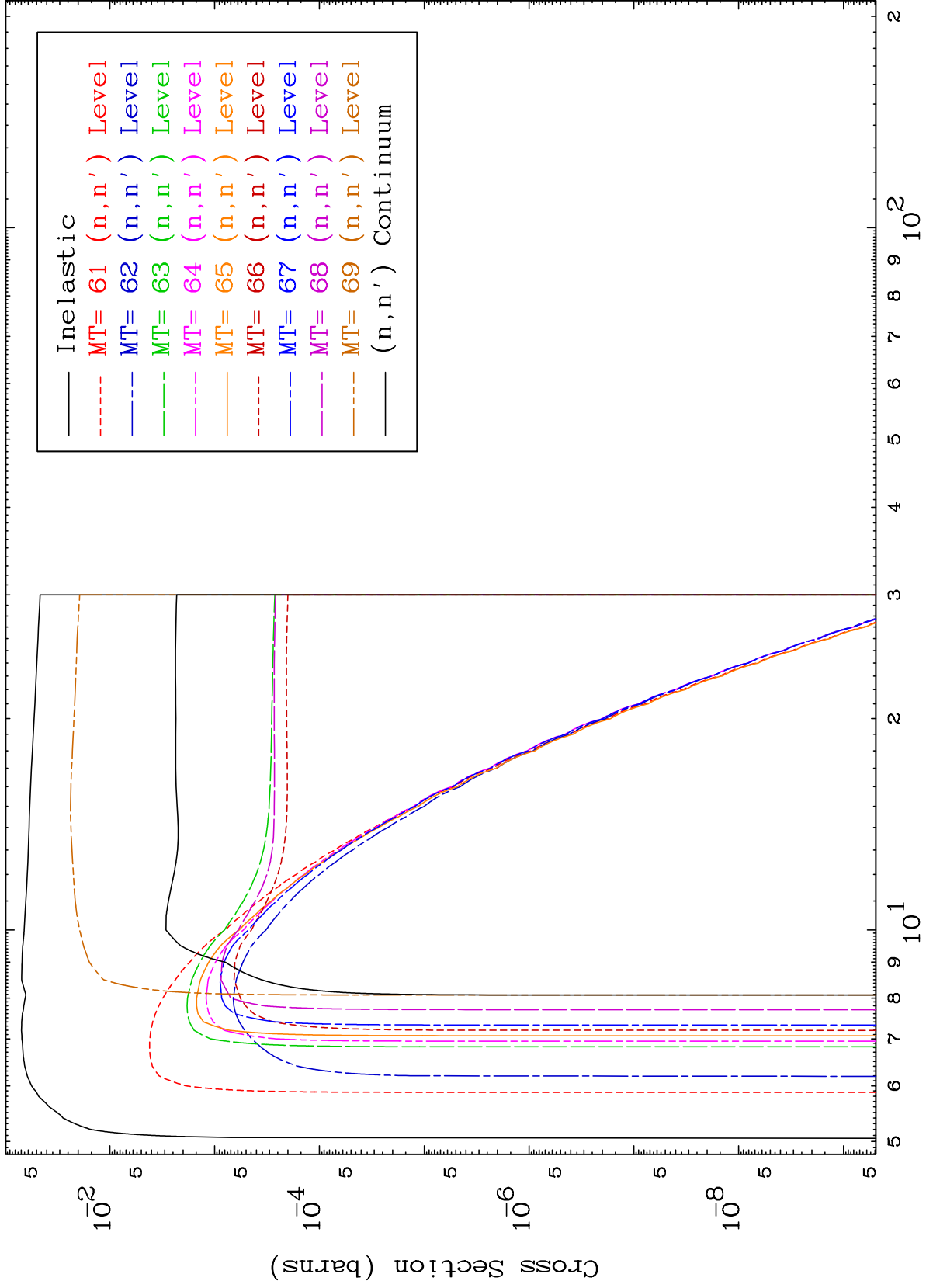
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MAT 4989

(n,n') Levels

50-Sn-100

293 Kelvin Cross Sections



9

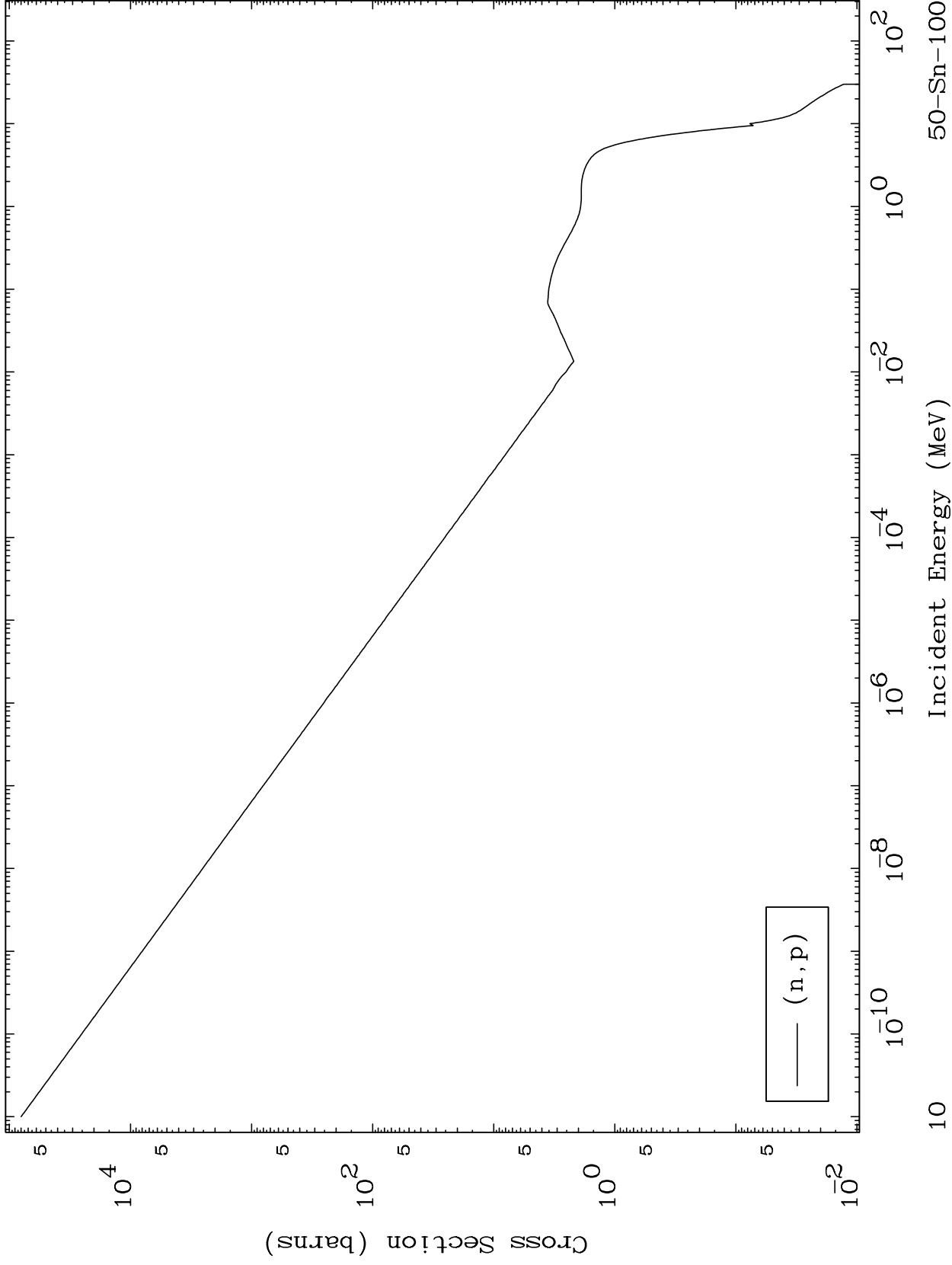
Incident Energy (MeV)

50-Sn-100

MAT 4989

(n,p) Levels  
293 Kelvin Cross Sections

50-Sn-100

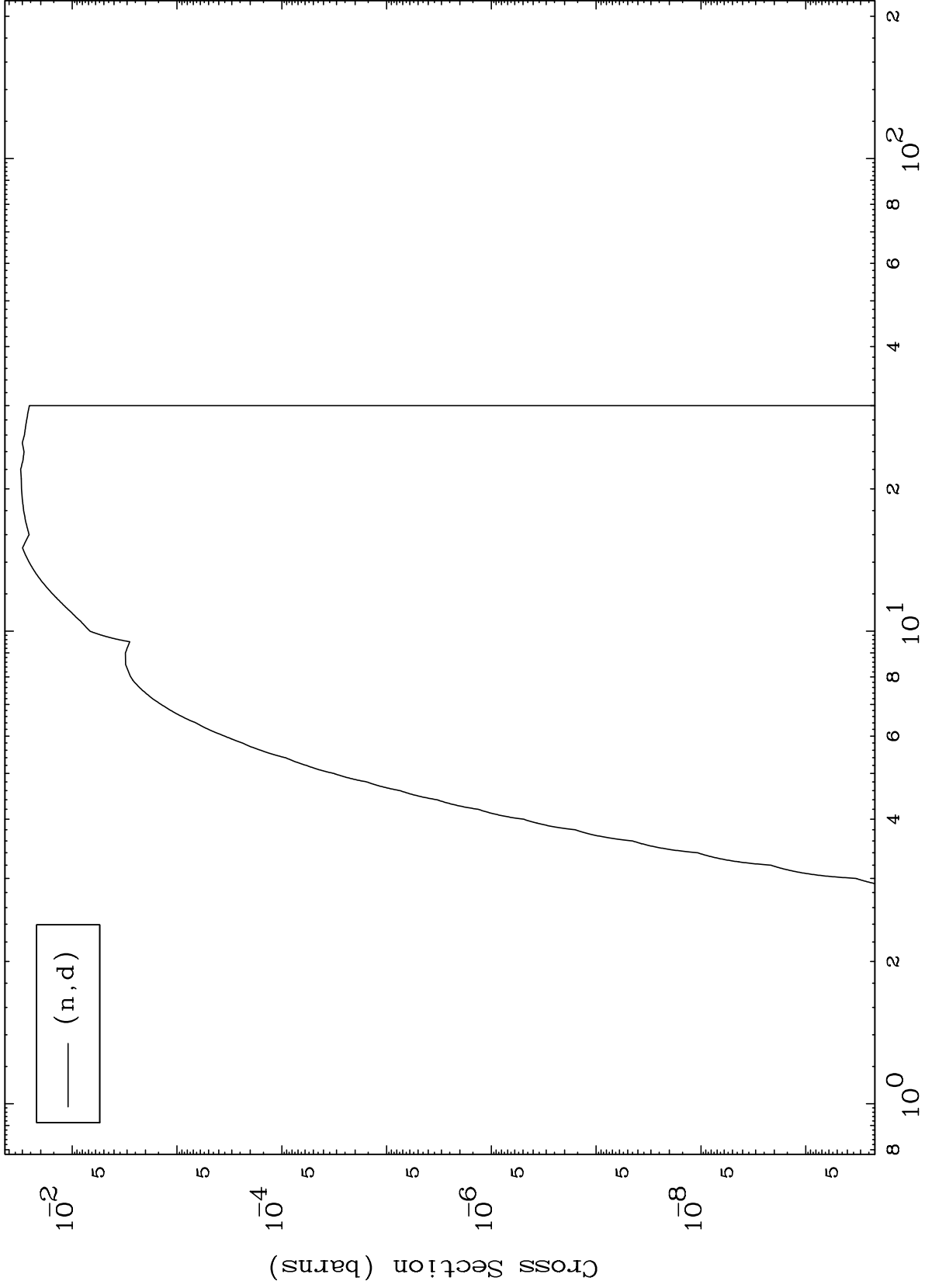


(n,p)

MAT 4989

(n,d) Levels  
293 Kelvin Cross Sections

50-Sn-100



11

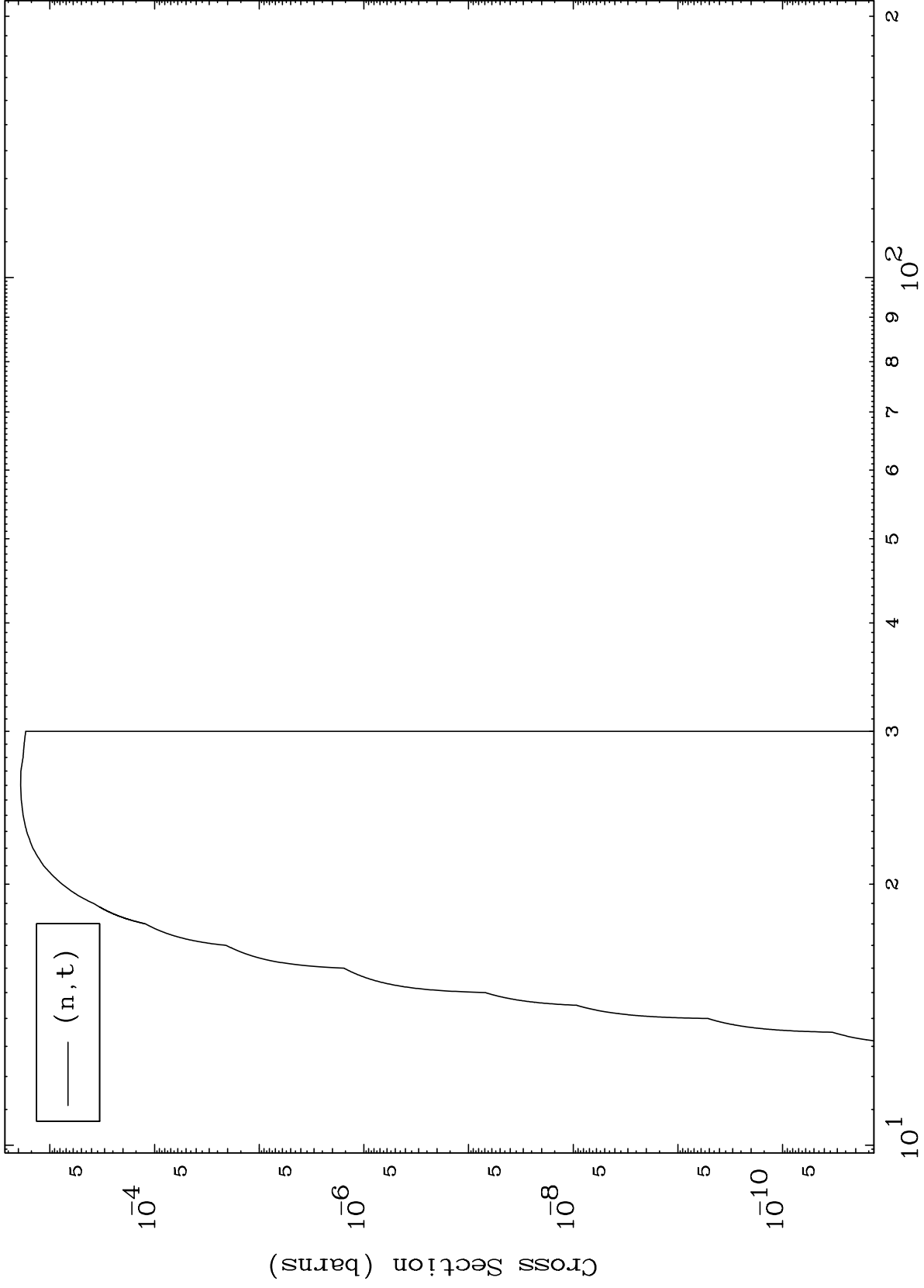
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50-Sn-100

MAT 4989

(n,t) Levels  
293 Kelvin Cross Sections

50-Sn-100



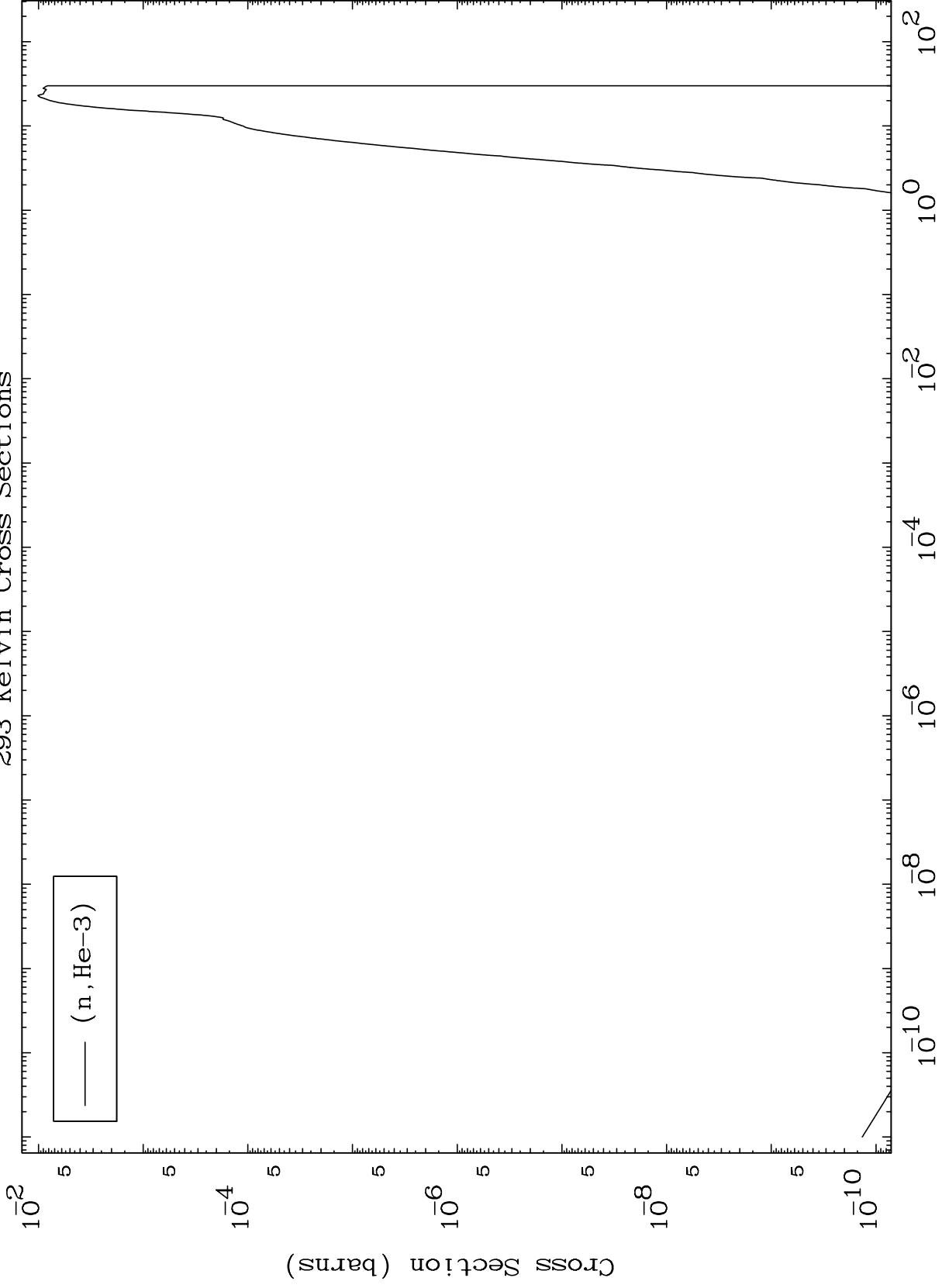
Incident Energy (MeV)

50-Sn-100

MAT 4989

(n,He3) Levels  
293 Kelvin Cross Sections

50-Sn-100



13

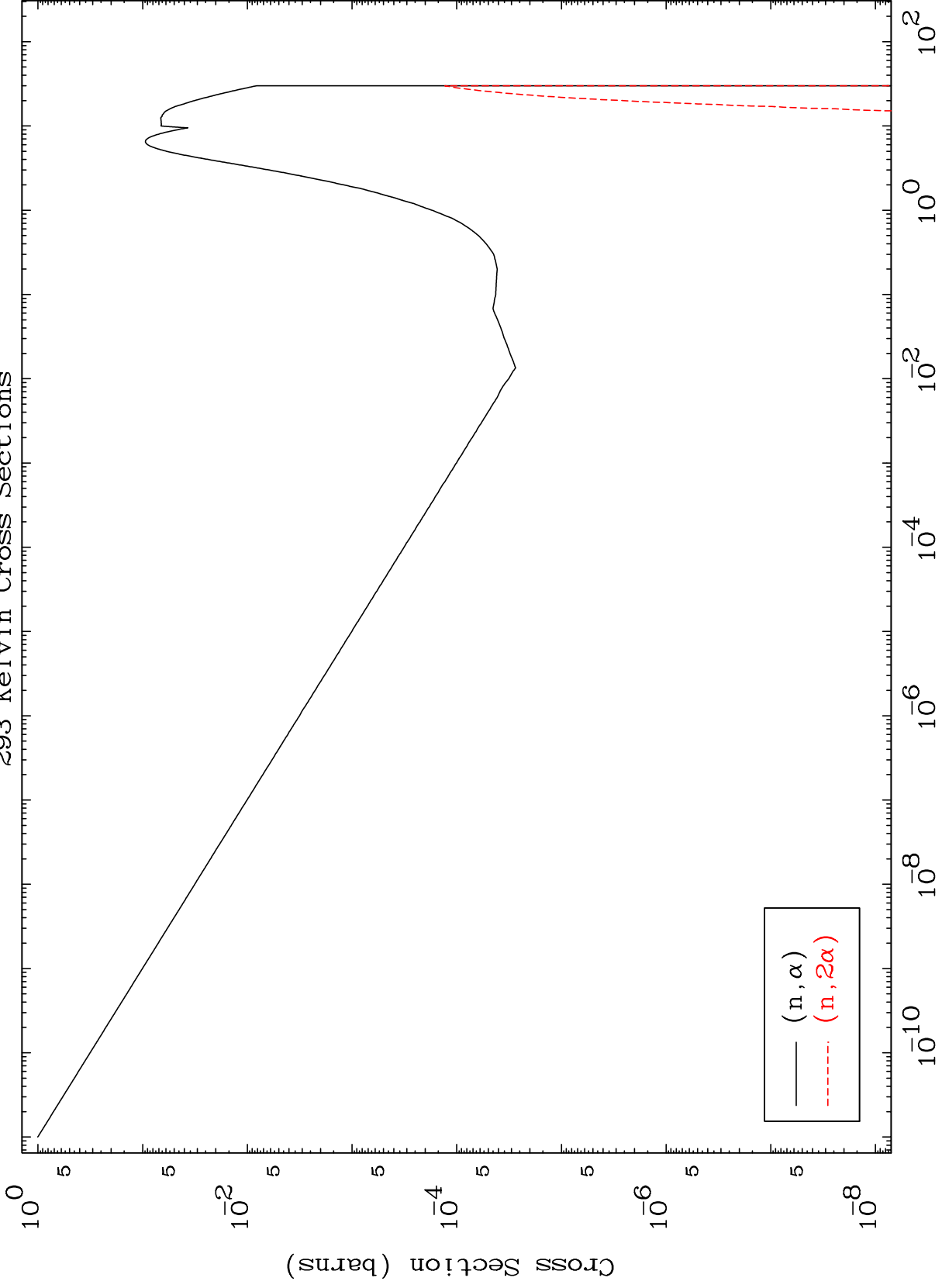
Incident Energy (MeV)

50-Sn-100

MAT 4989

(n,α) Levels  
293 Kelvin Cross Sections

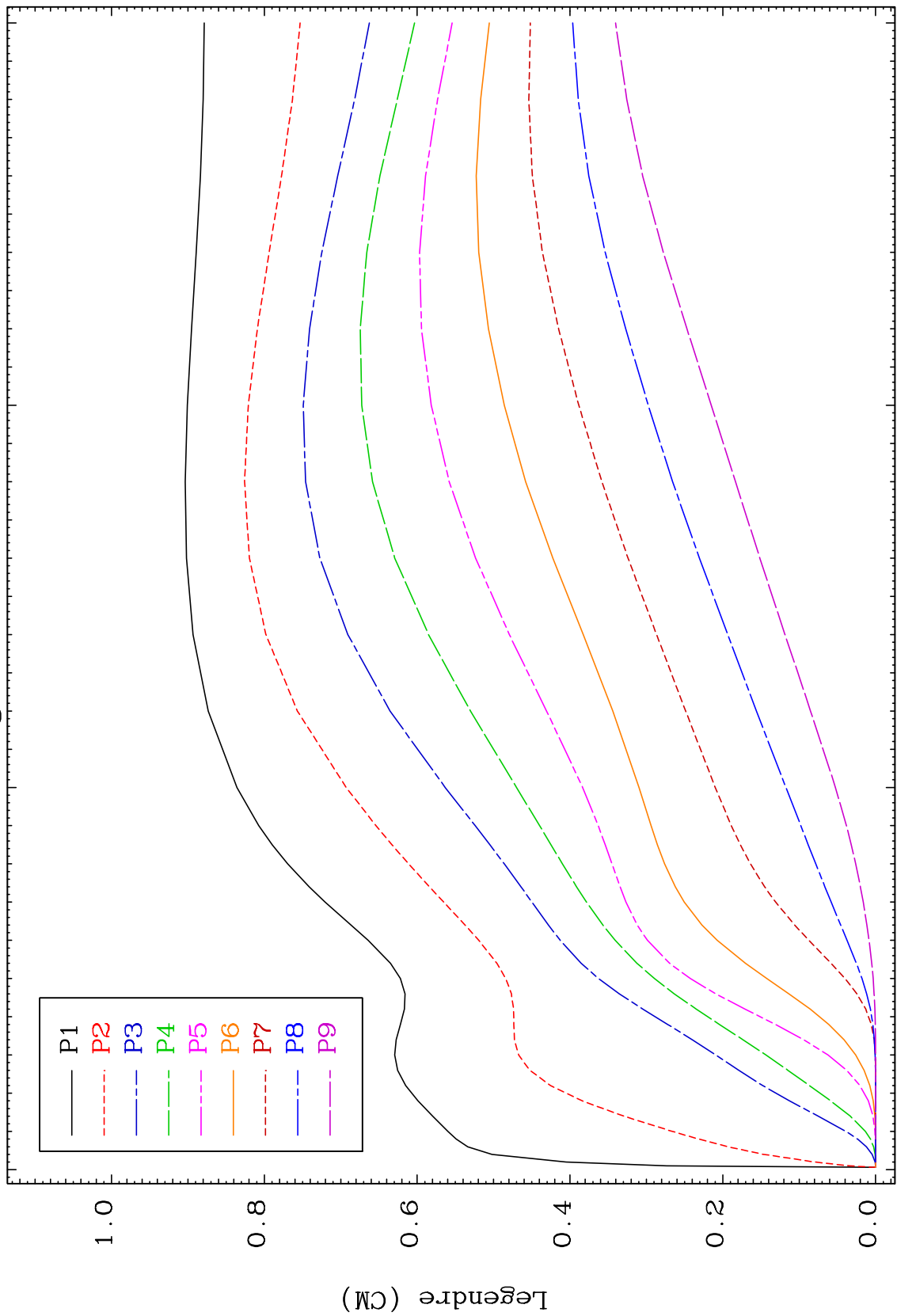
50-Sn-100



MAT 4989

Elastic Legendre Coefficients

50-Sn-100



15

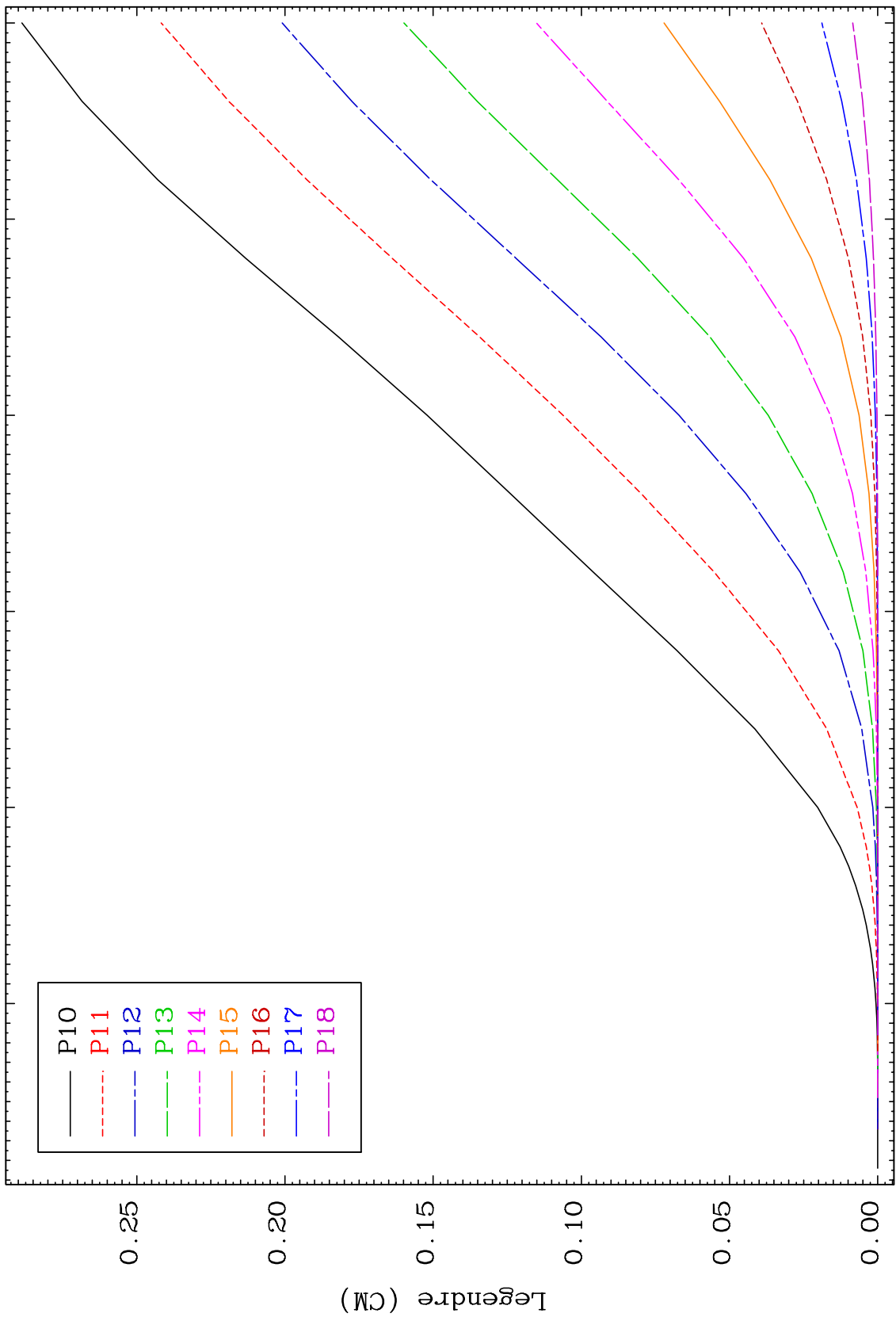
Incident Energy (MeV)

50-Sn-100

MAT 4989

Elastic Legendre Coefficients

50-Sn-100



16

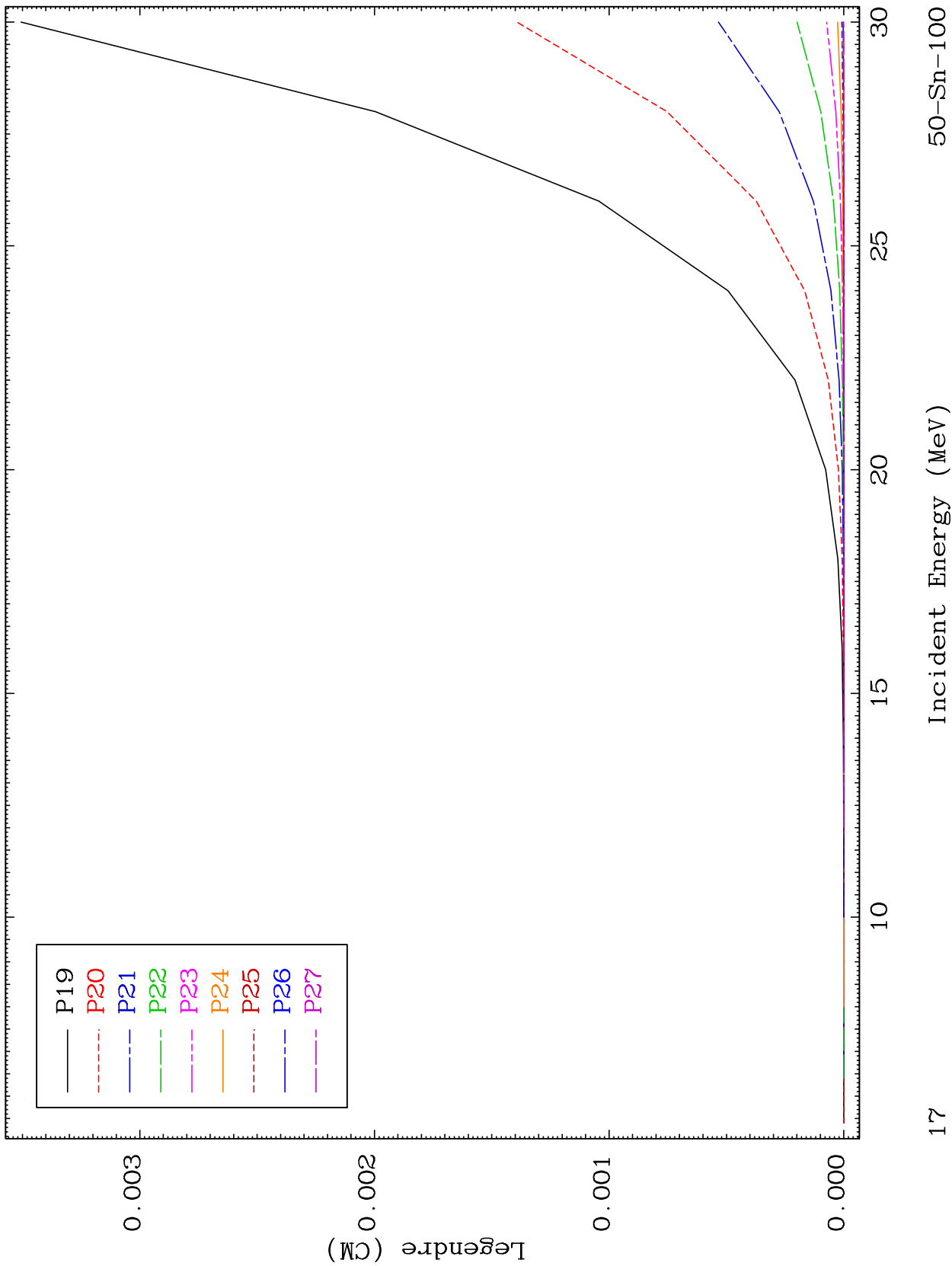
50-Sn-100

Incident Energy (MeV)

MAT 4989

Elastic Legendre Coefficients

50-Sn-100



17

50-Sn-100

MAT 4989

Elastic Legendre Coefficients

50-Sn-100

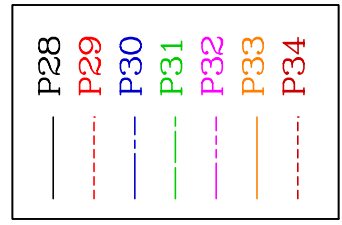
$\times 10^{-7}$   
0.5

Legendre (CM)

0.0

-0.5

-1.0



15

20

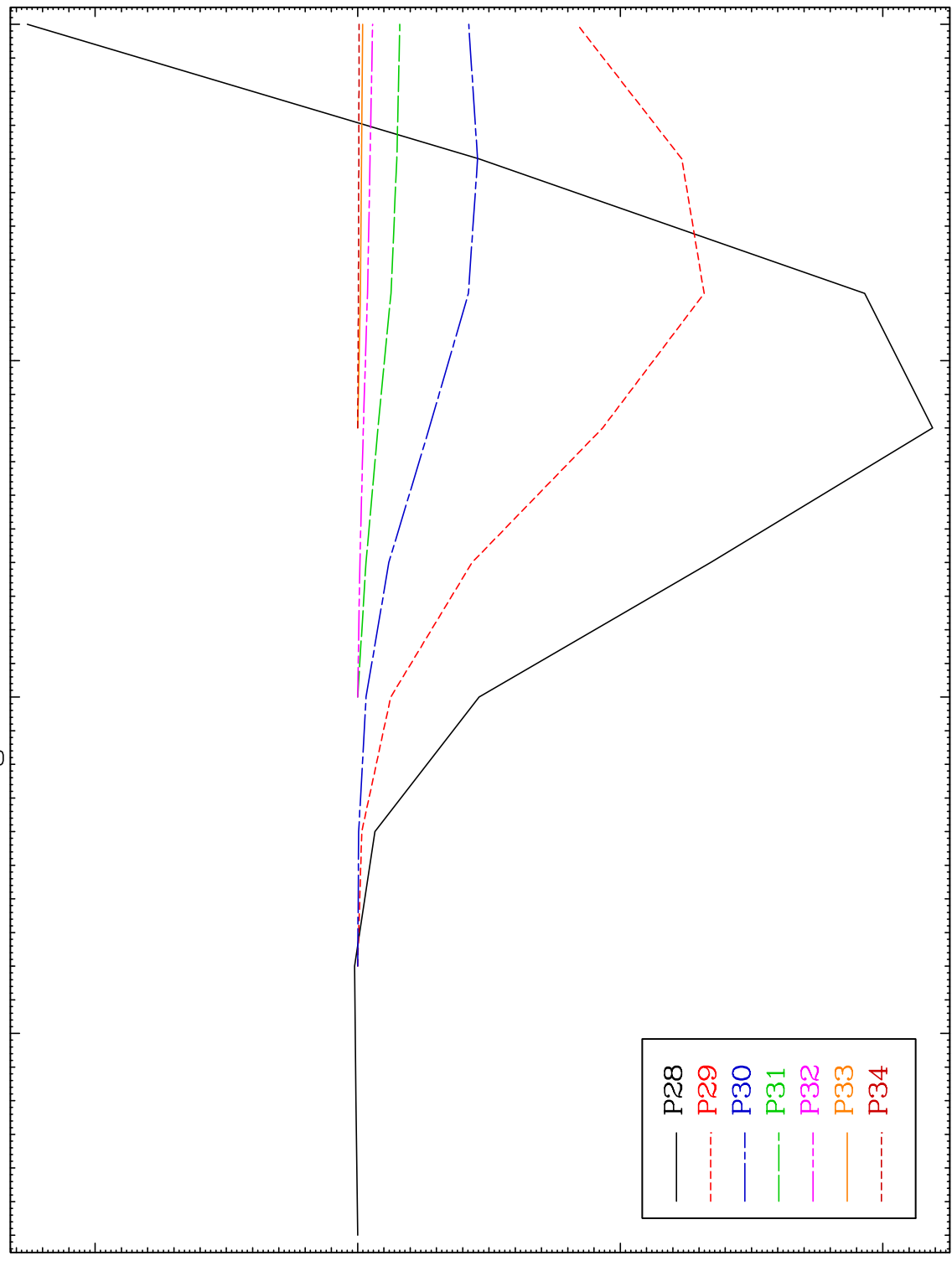
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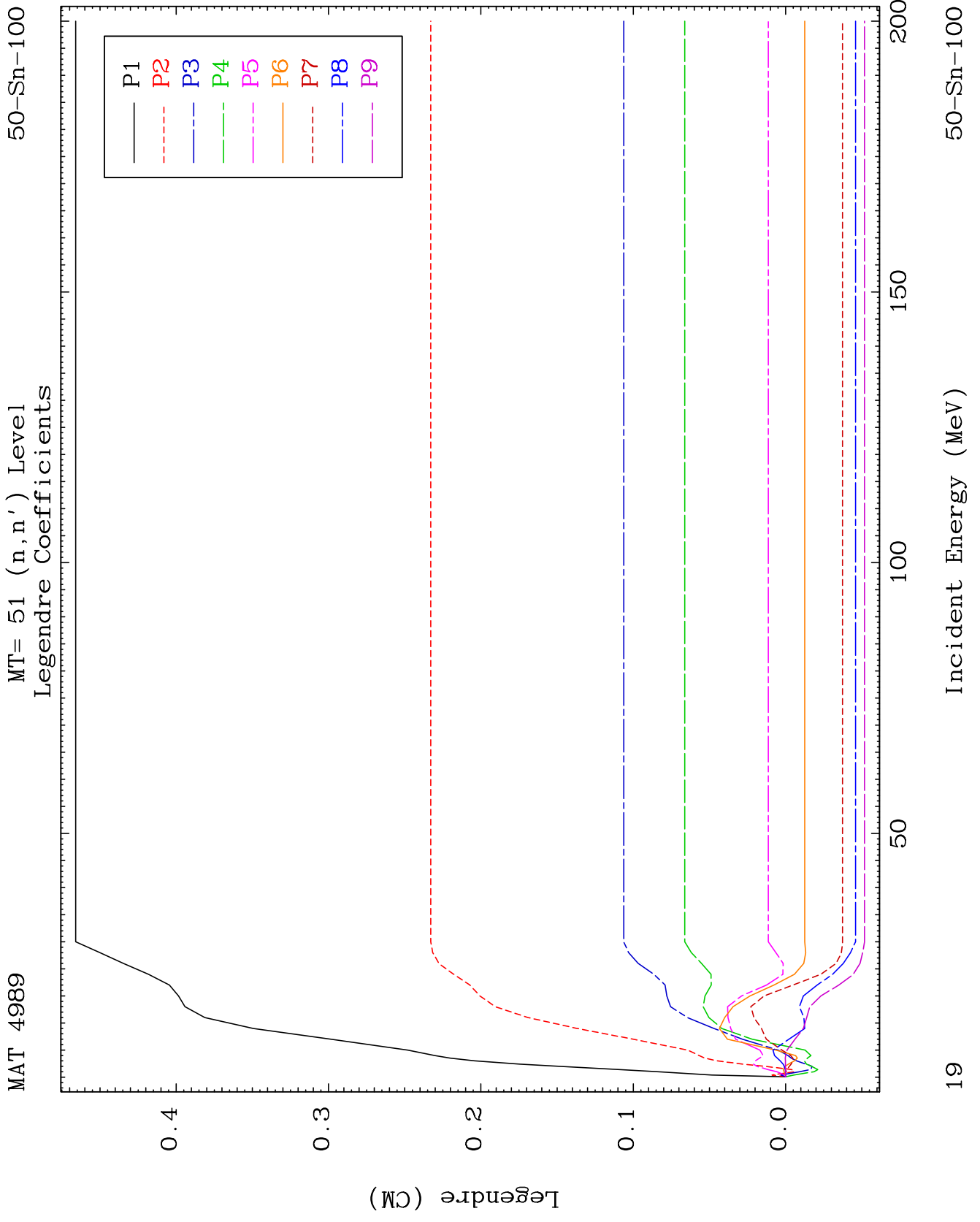
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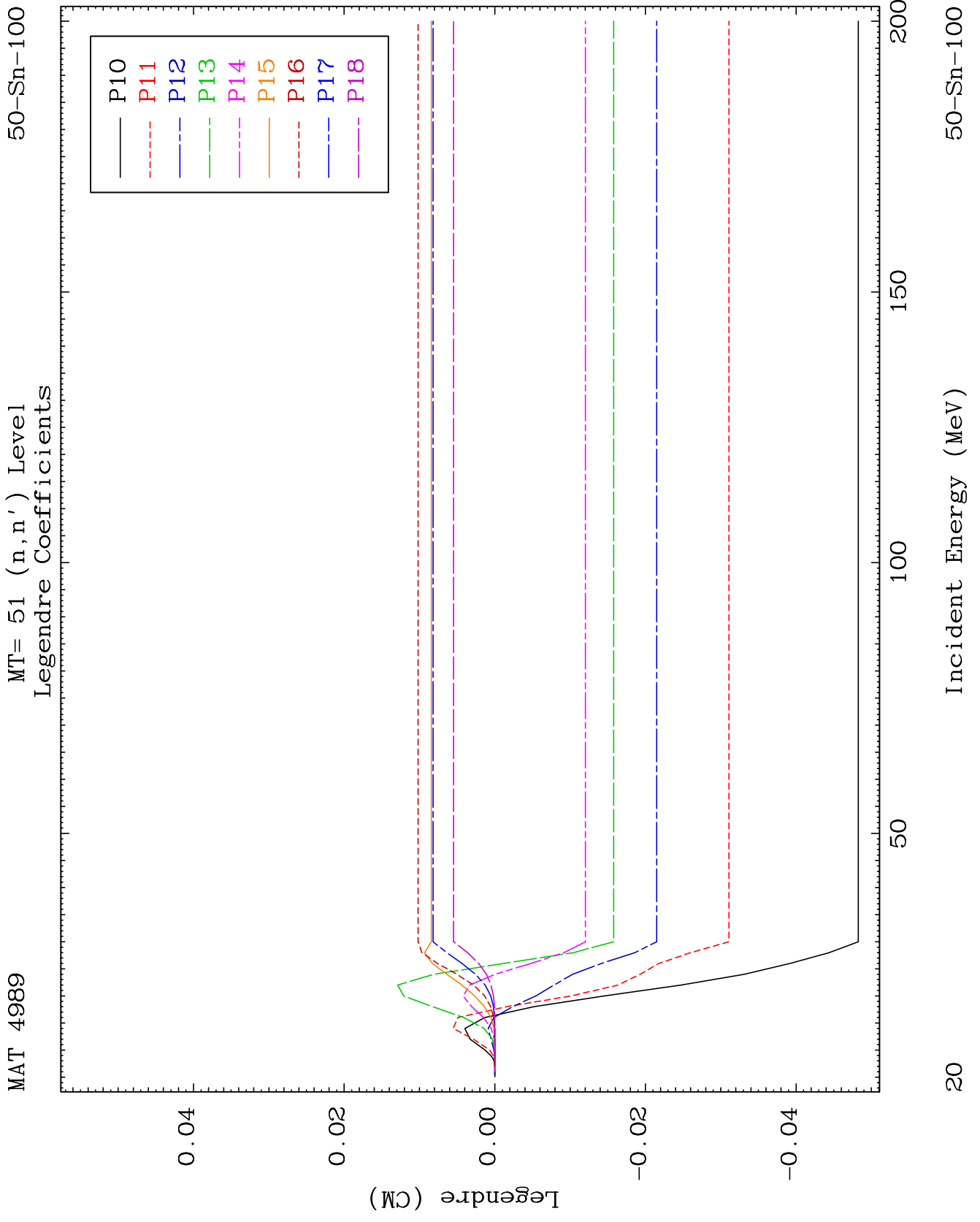
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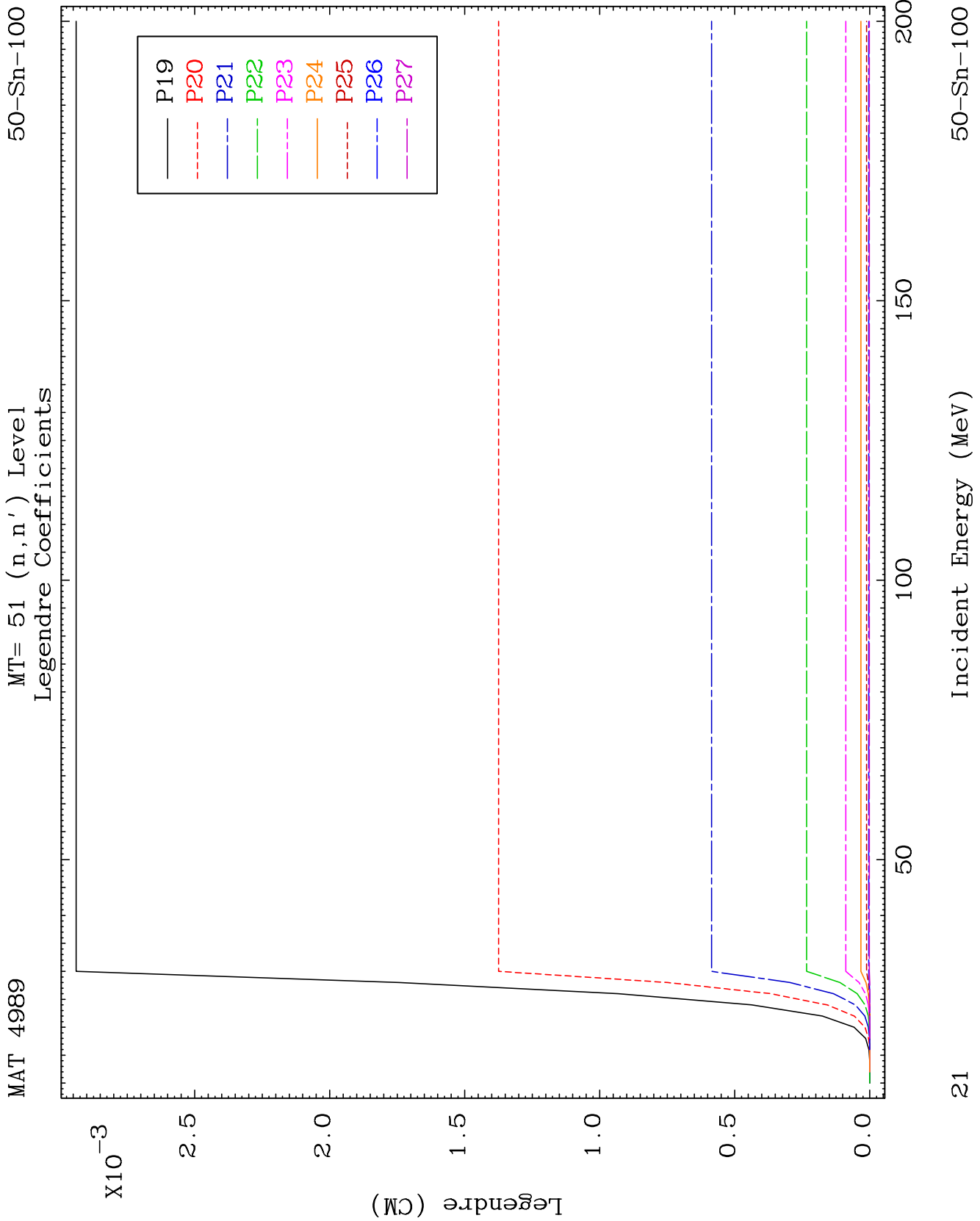
Incident Energy (MeV)

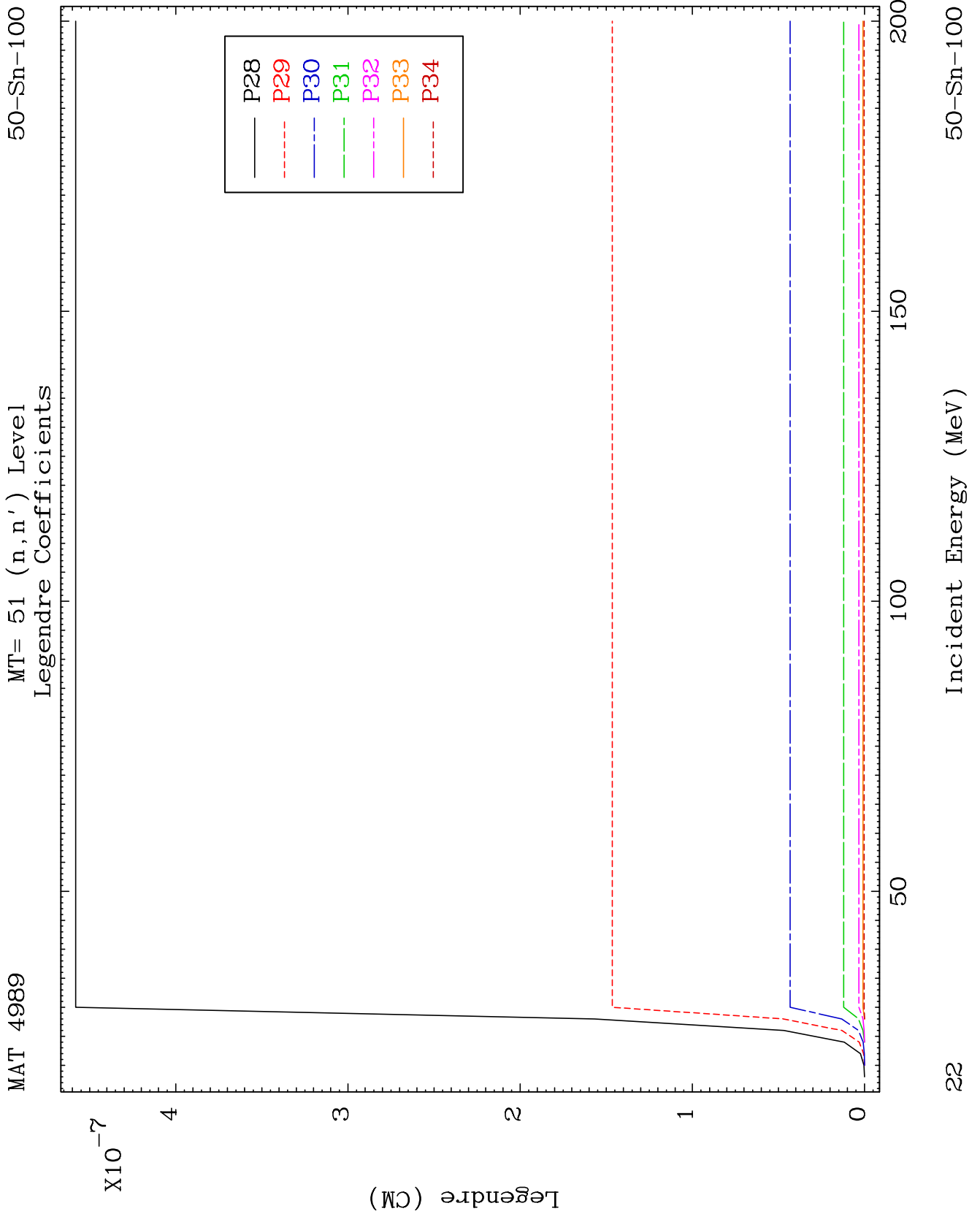
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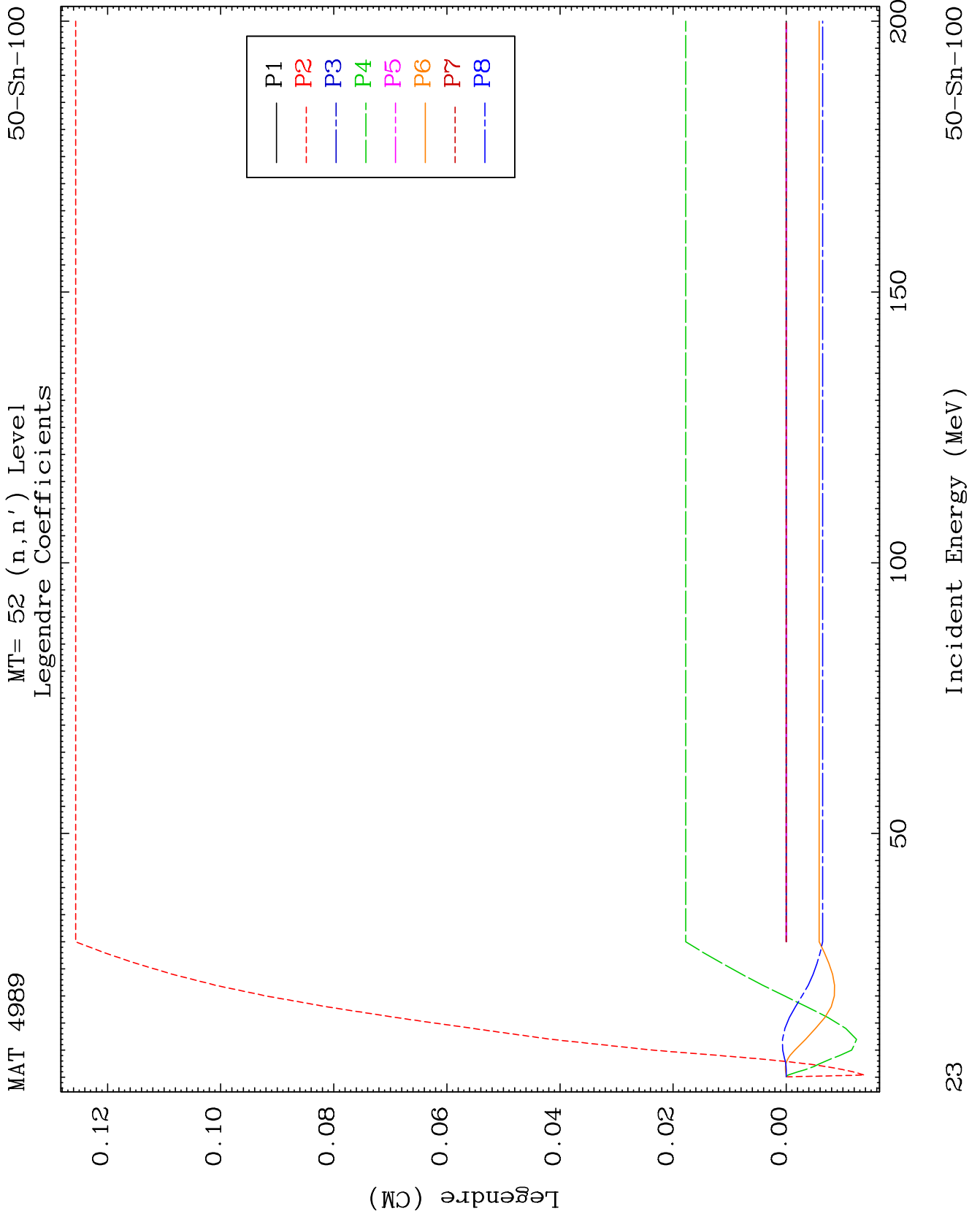


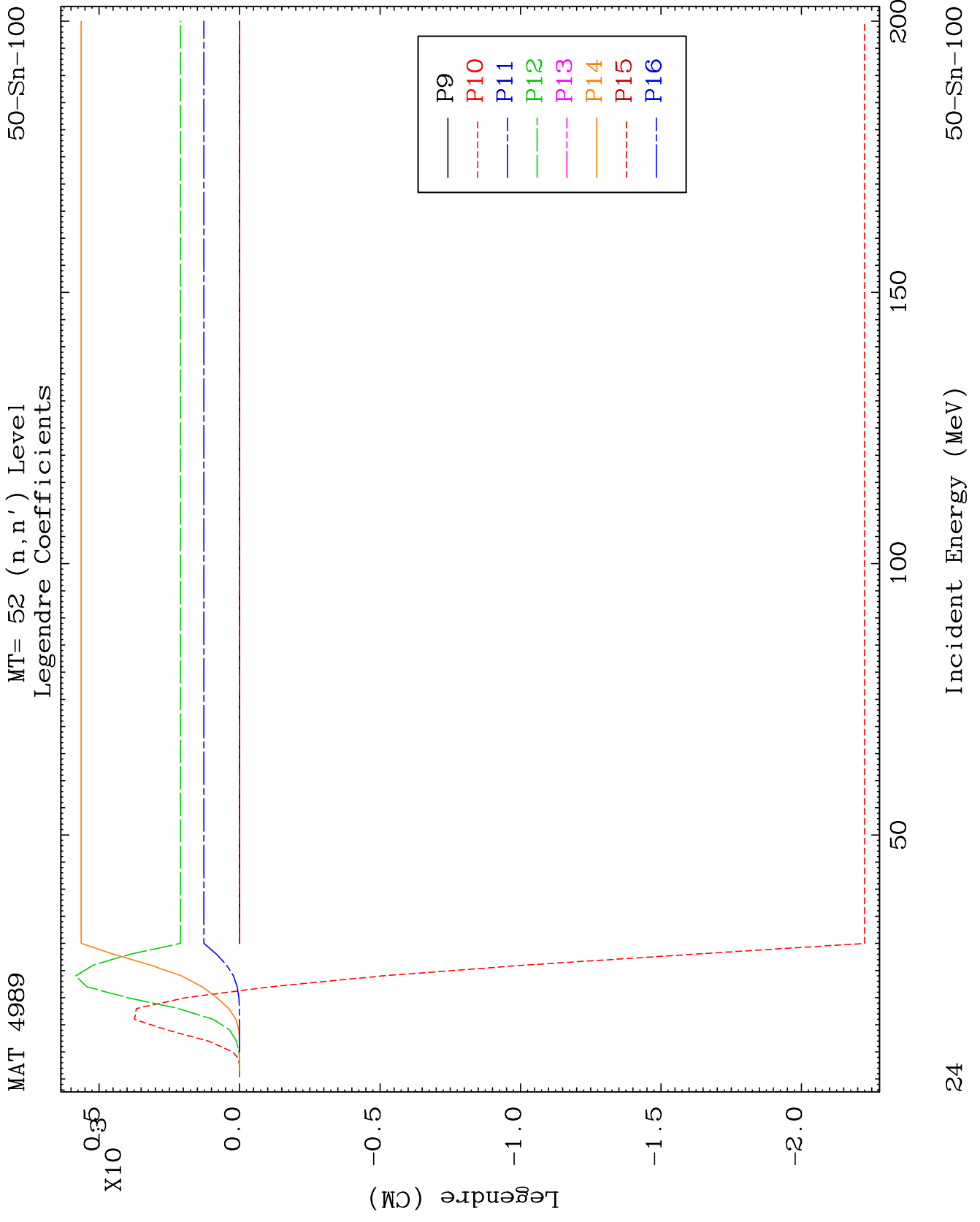




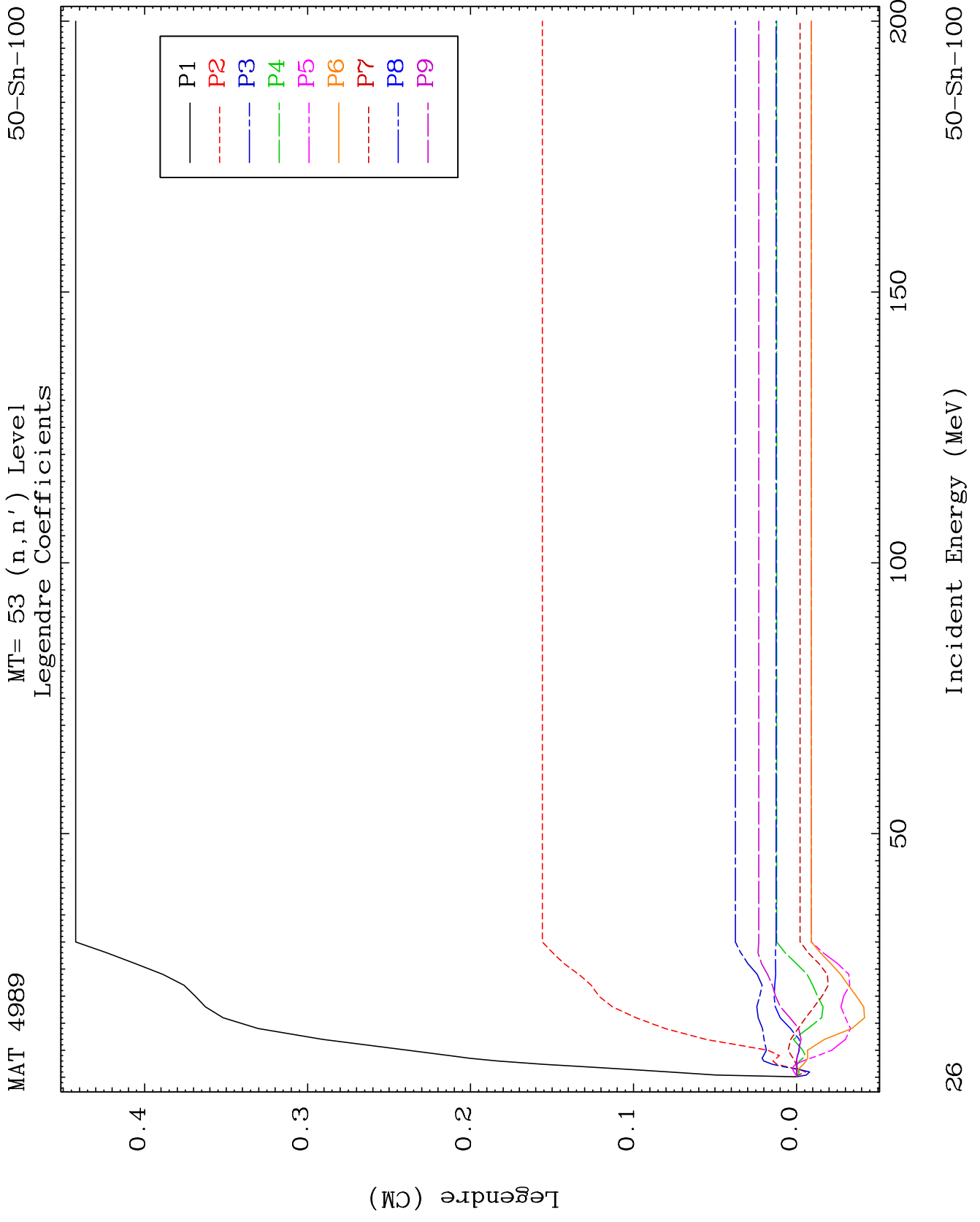








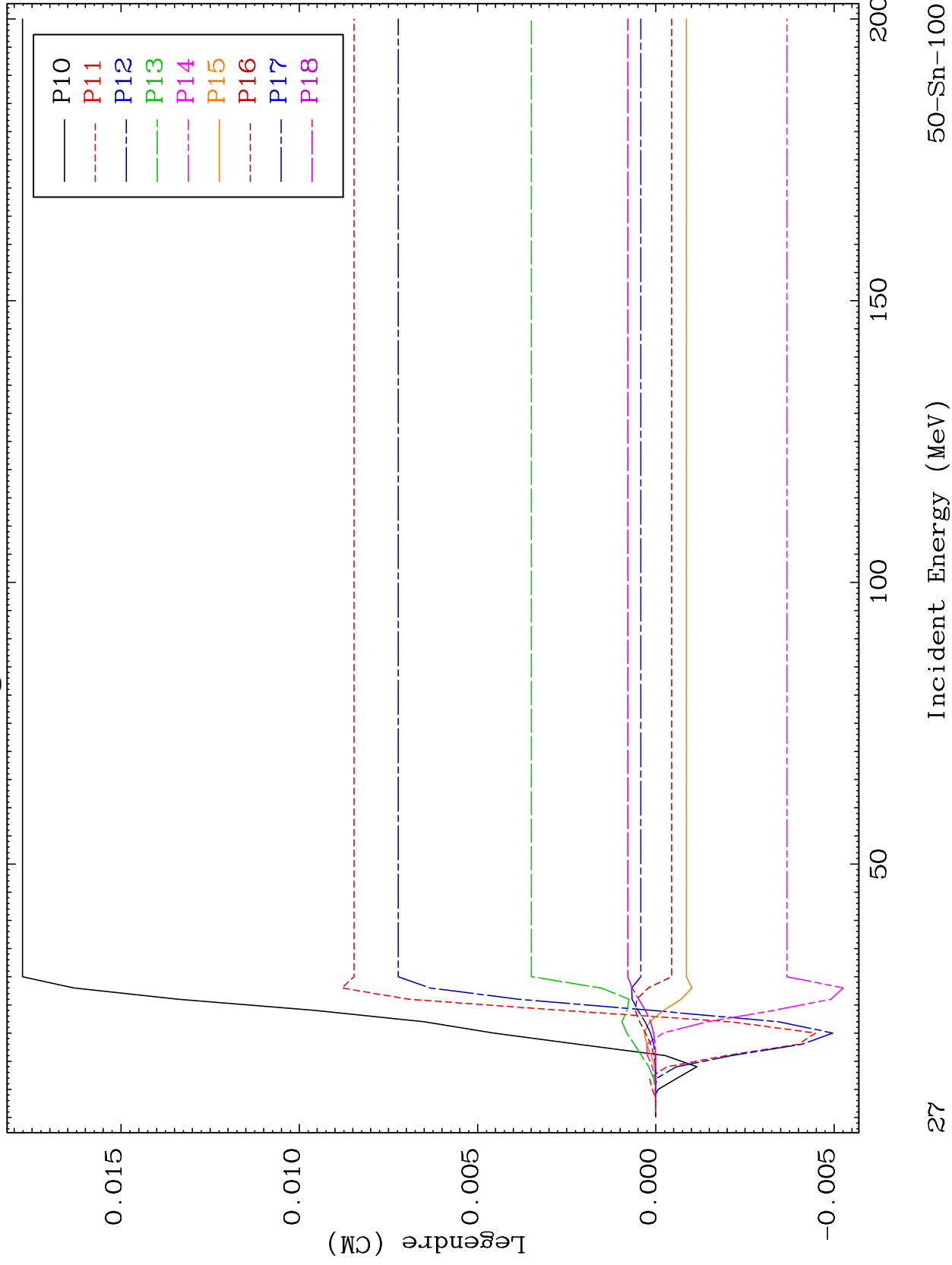




MAT 4989

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

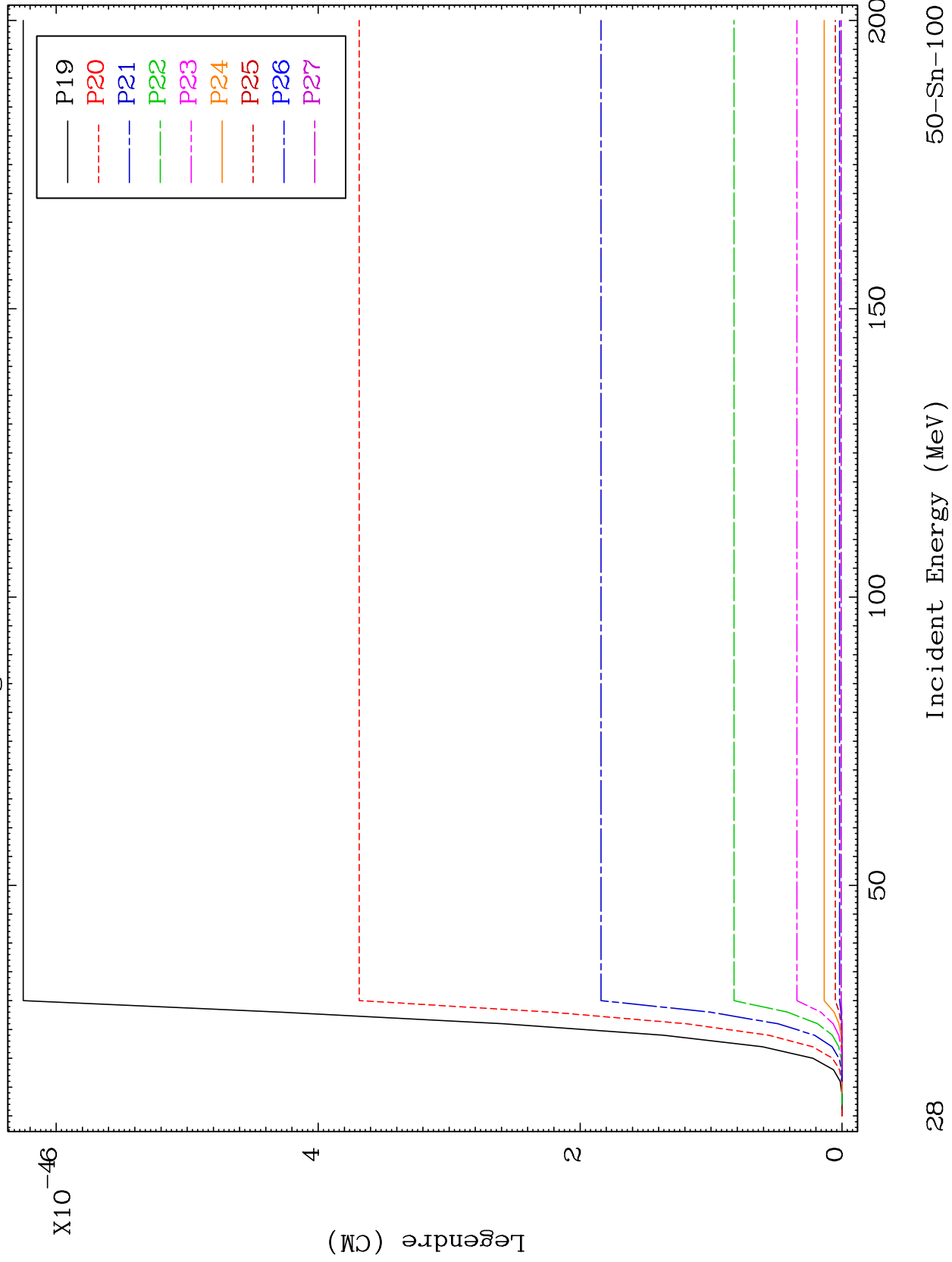
50-Sn-100



MAT 4989

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

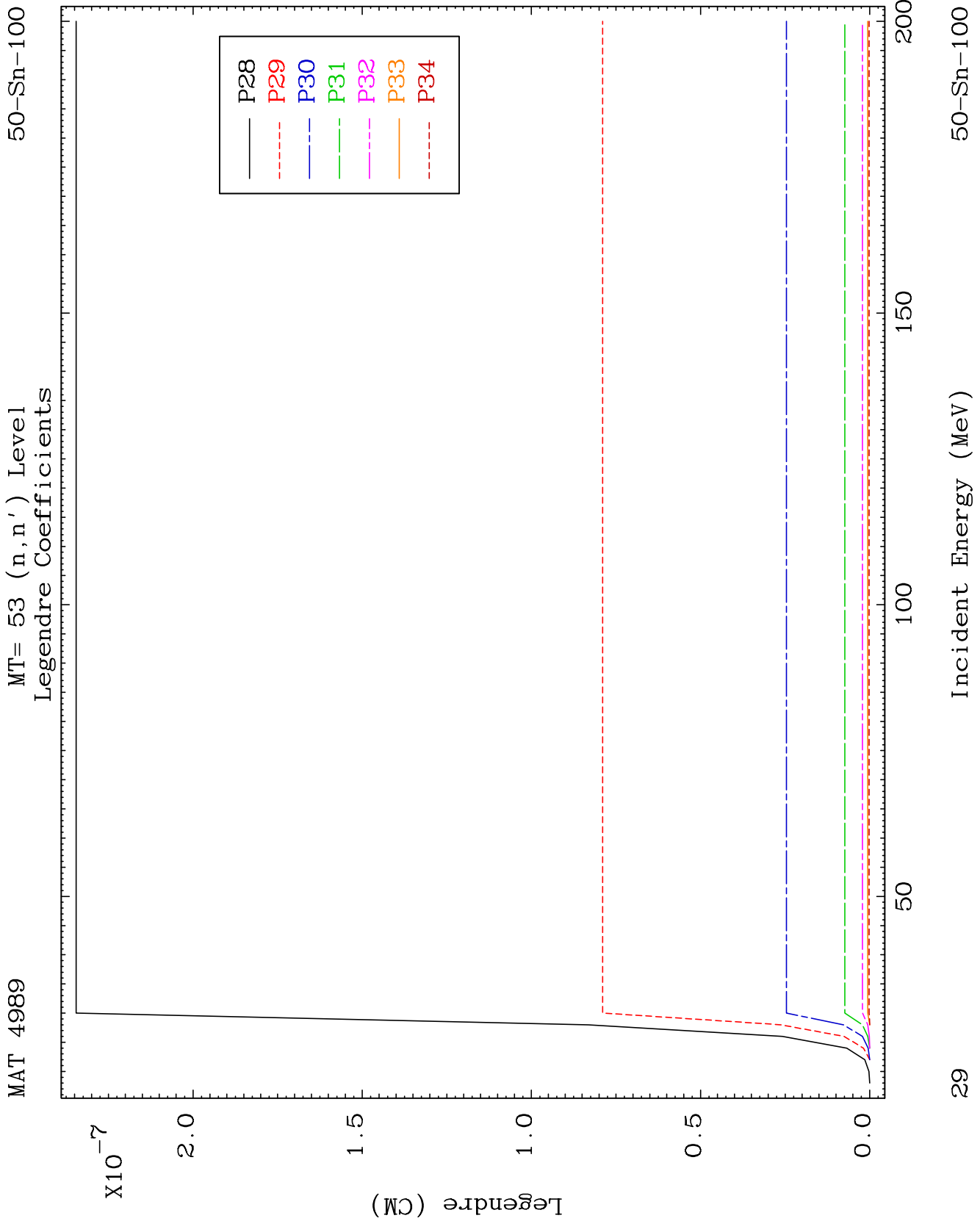
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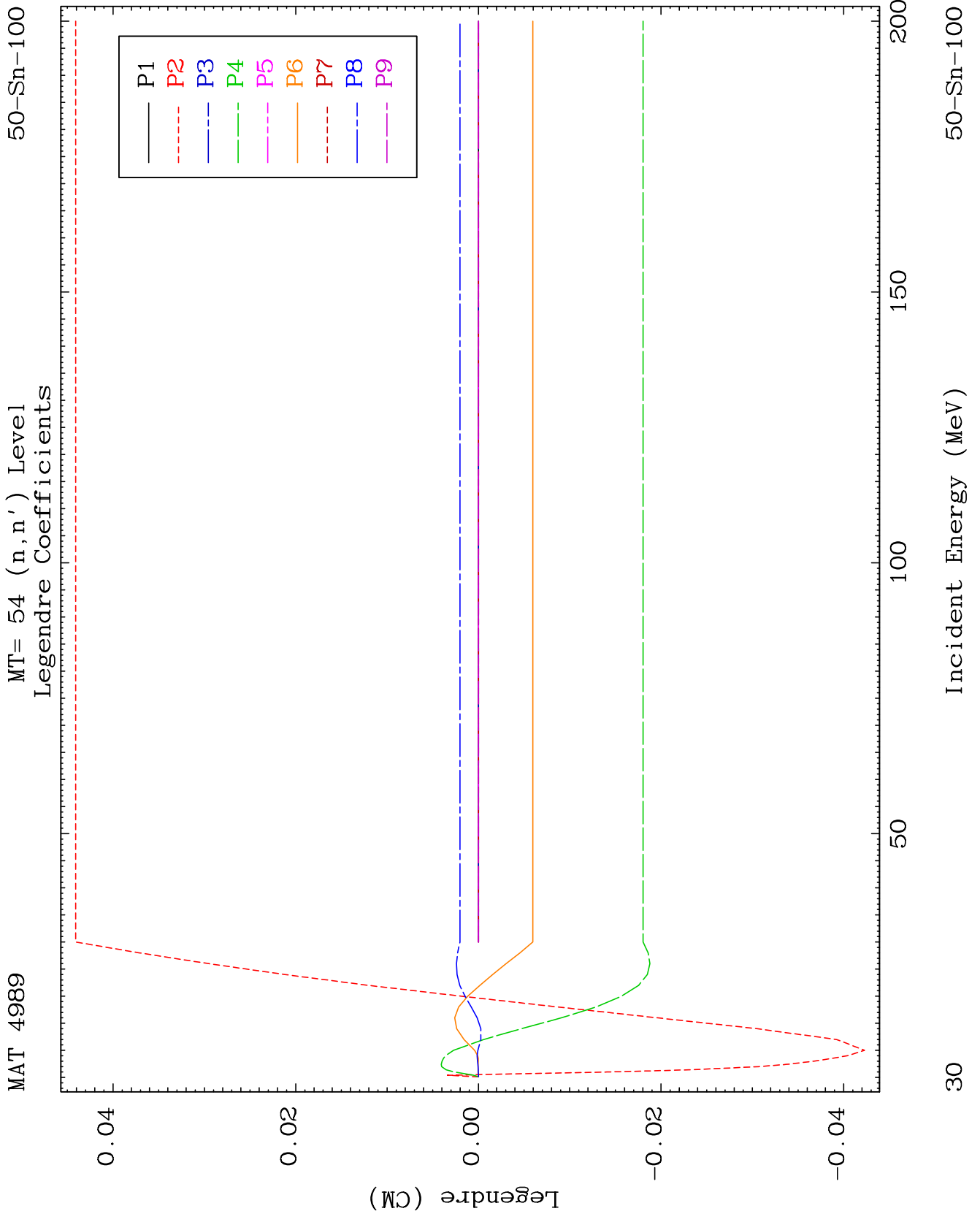


28

Incident Energy (MeV)

50-Sn-100

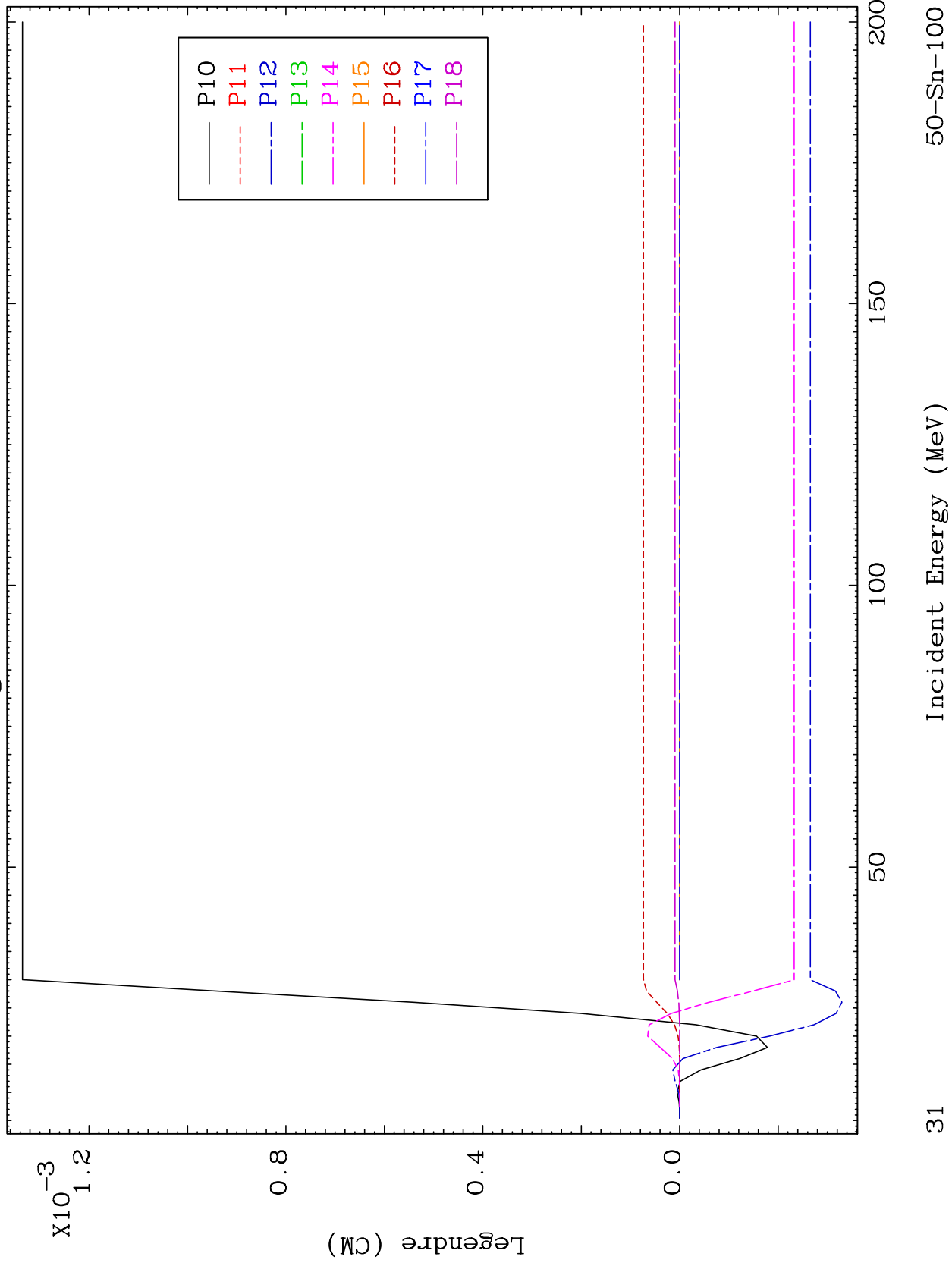




MAT 4989

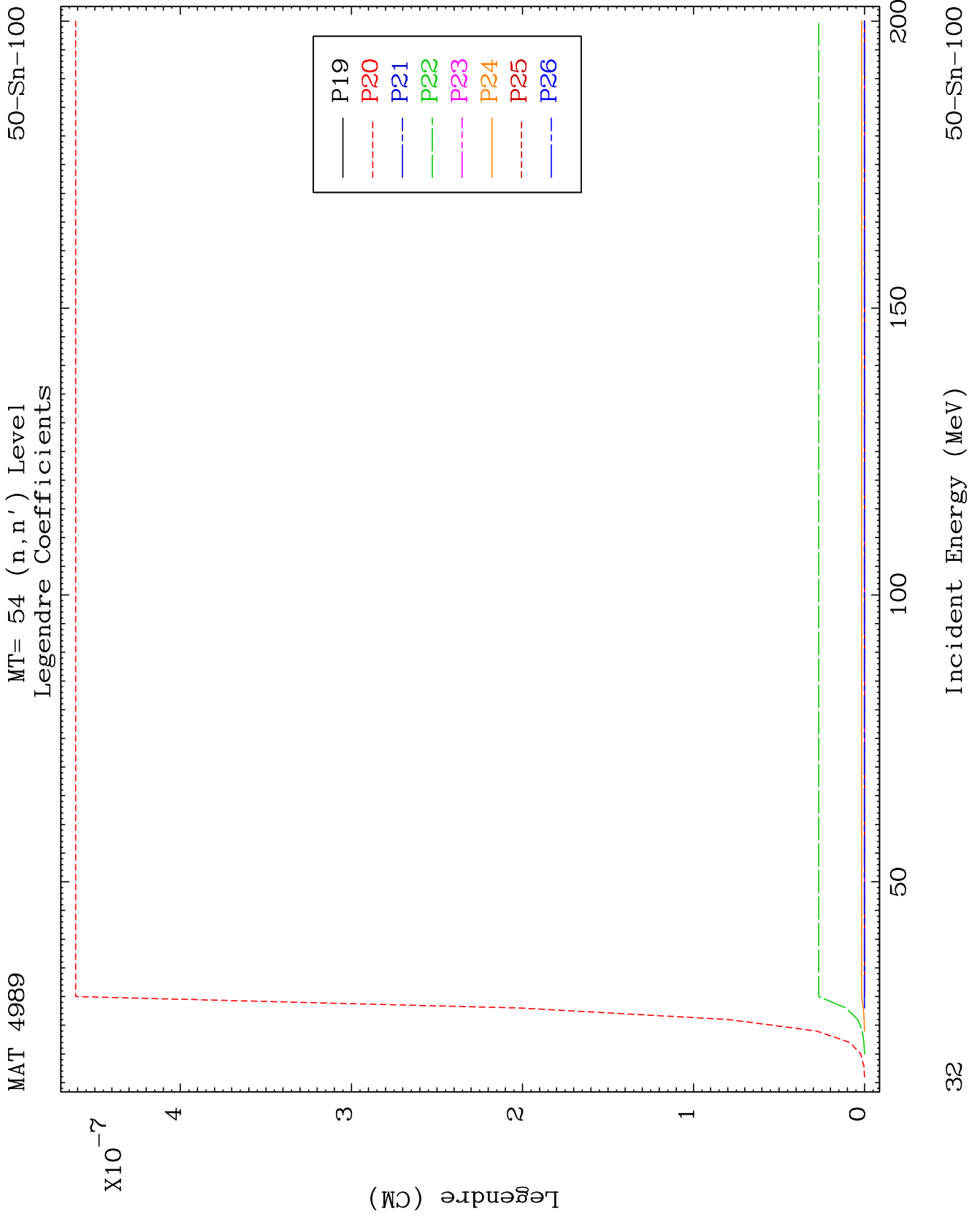
MT= 54 (n,n') Level  
Legendre Coefficients

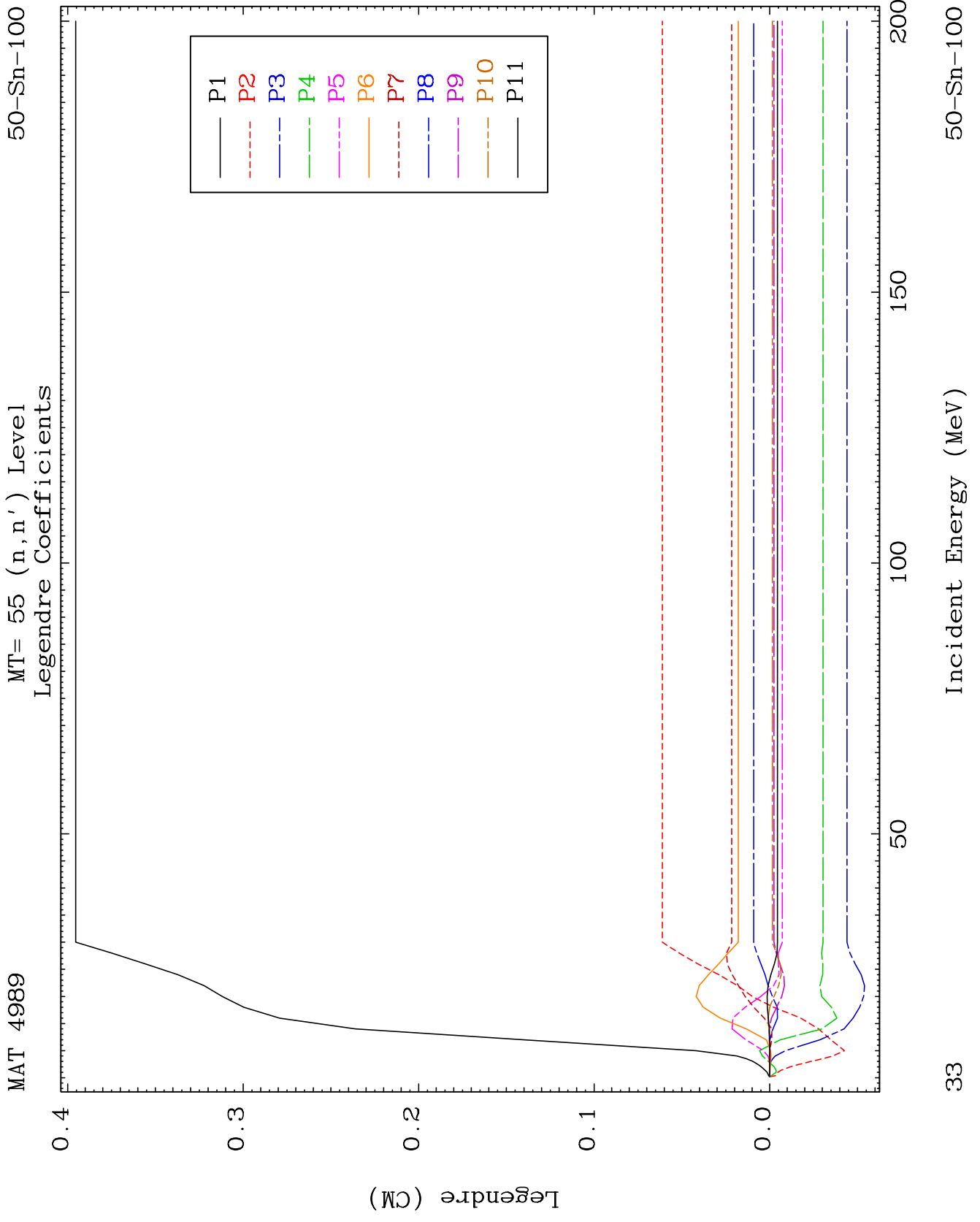
50-Sn-100



31

50-Sn-100

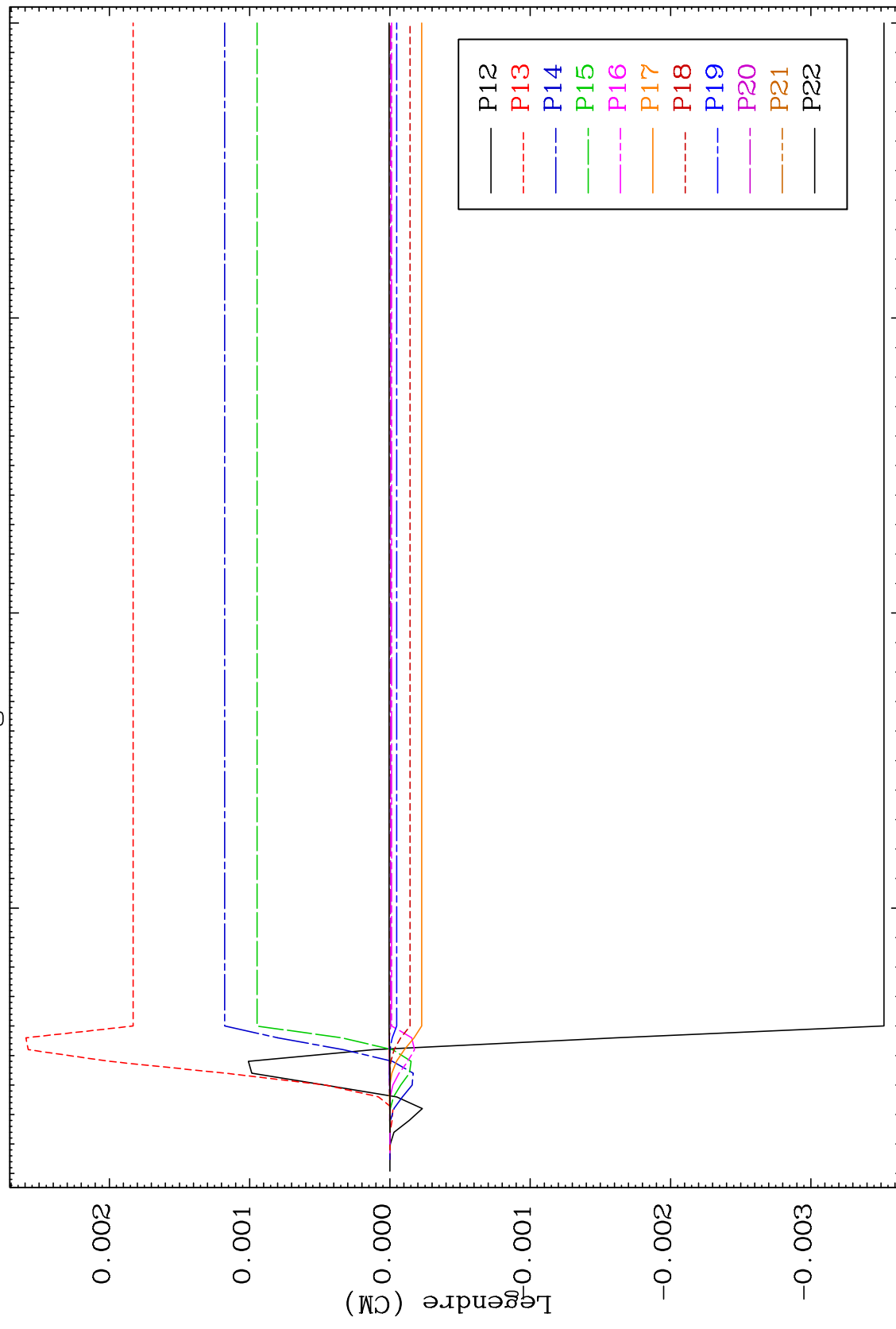


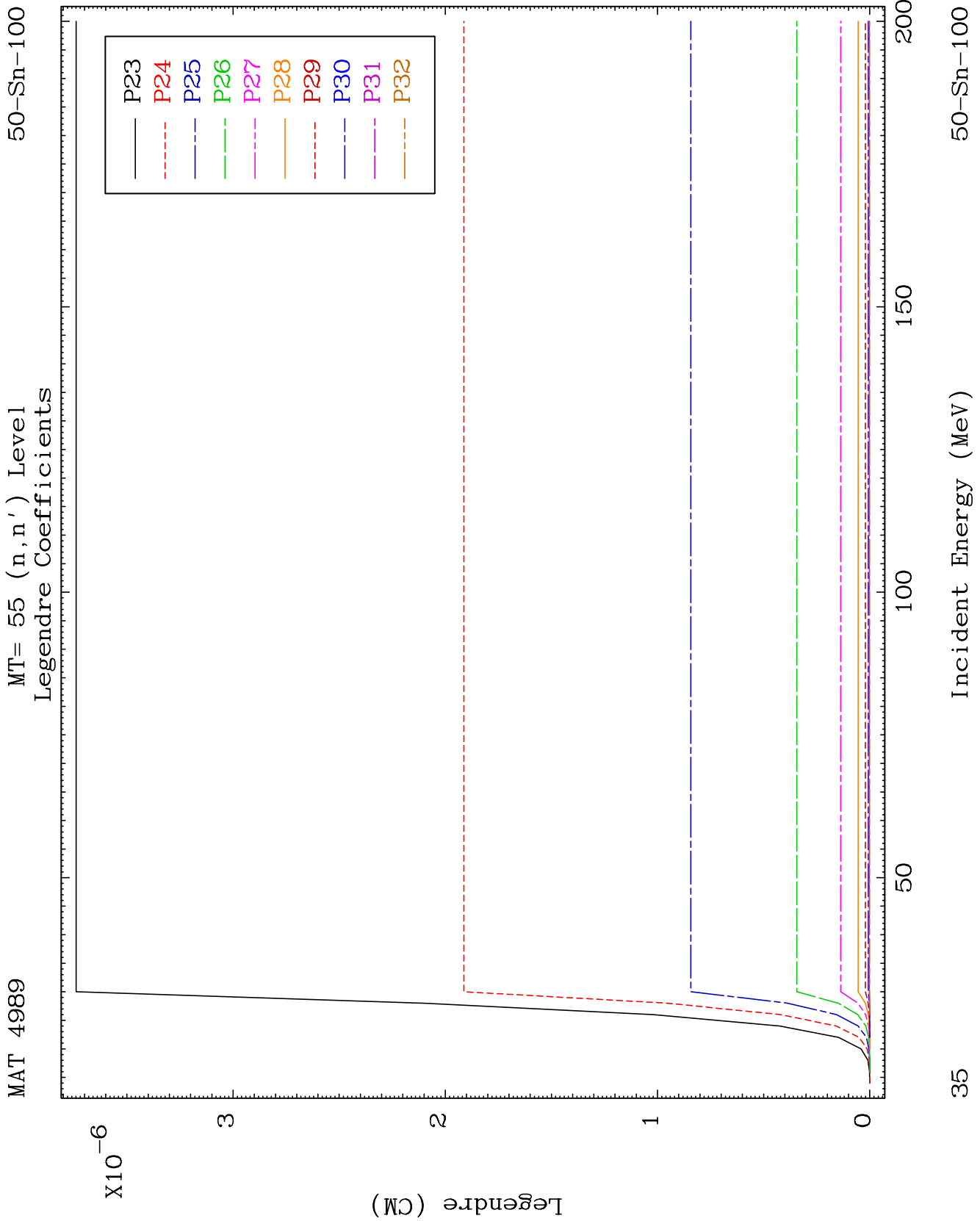


MAT 4989

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

50-Sn-100

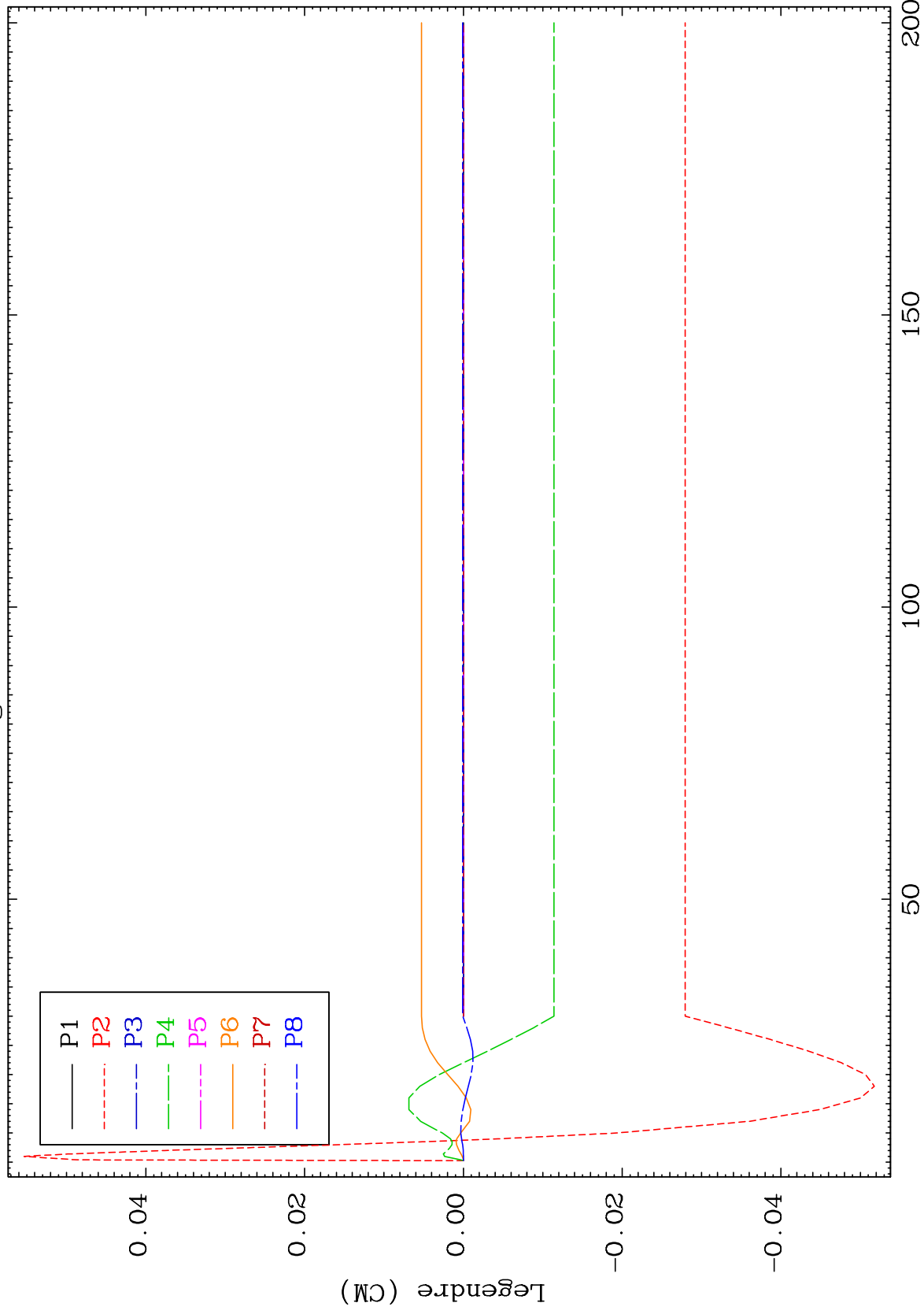




MAT 4989

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

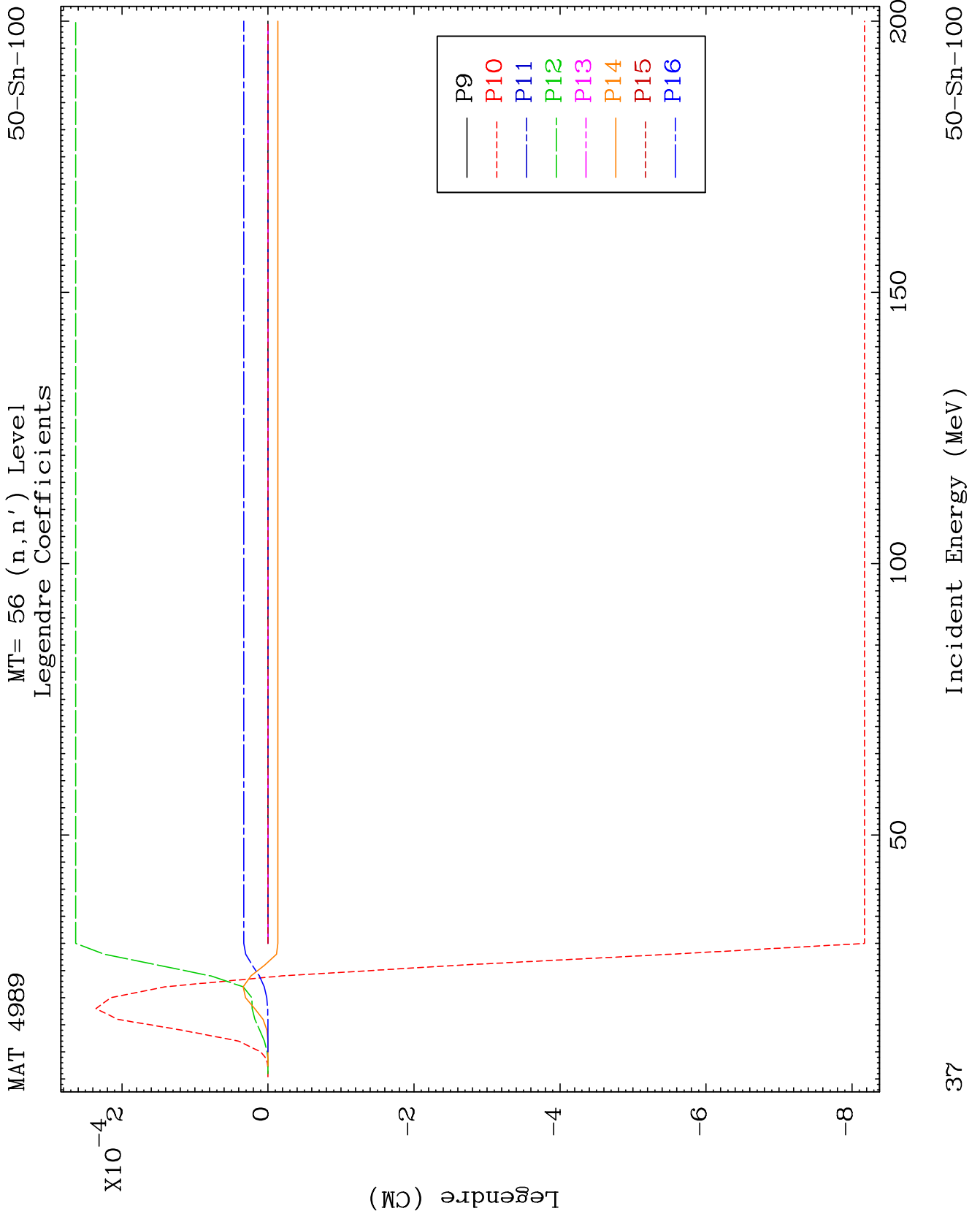
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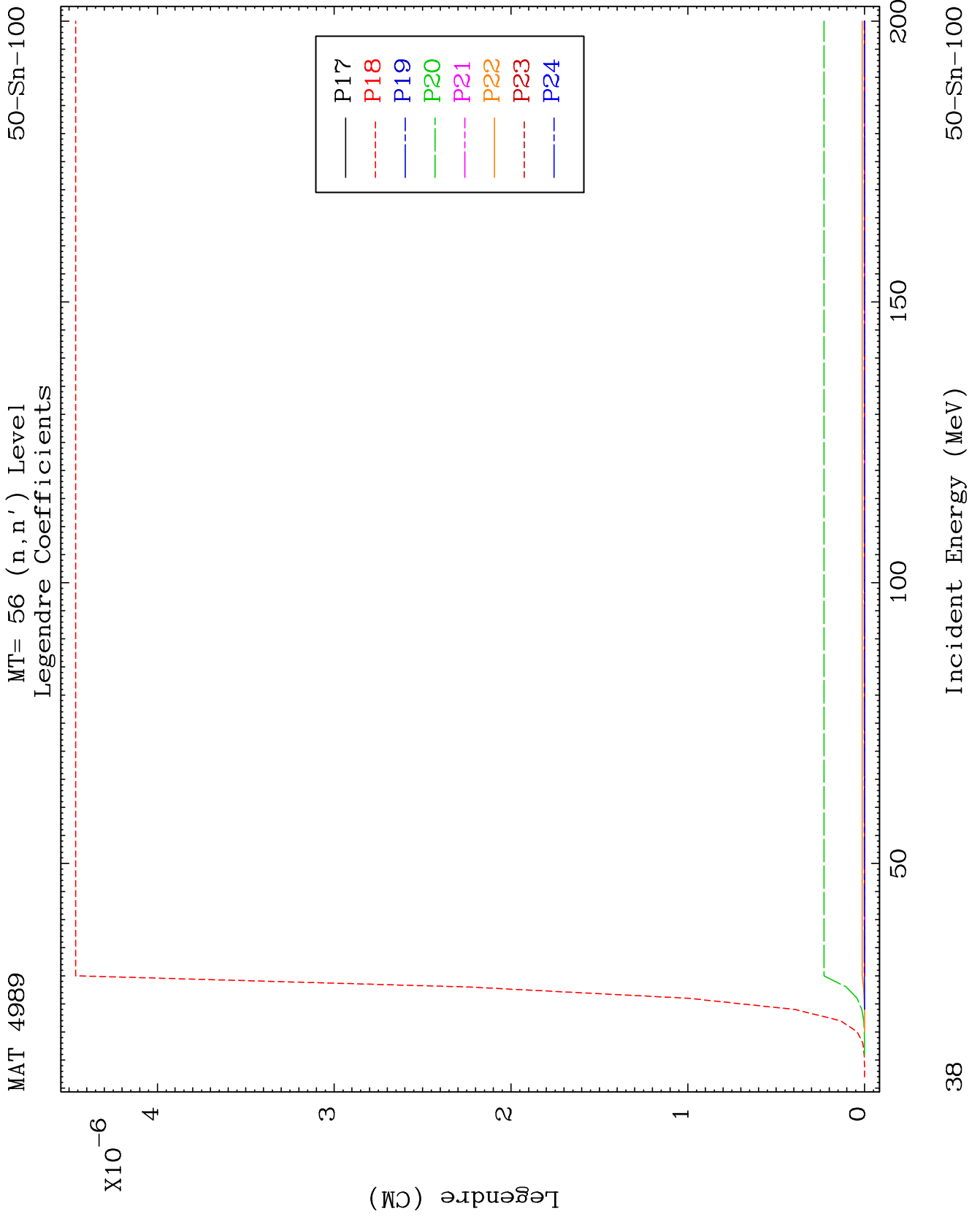


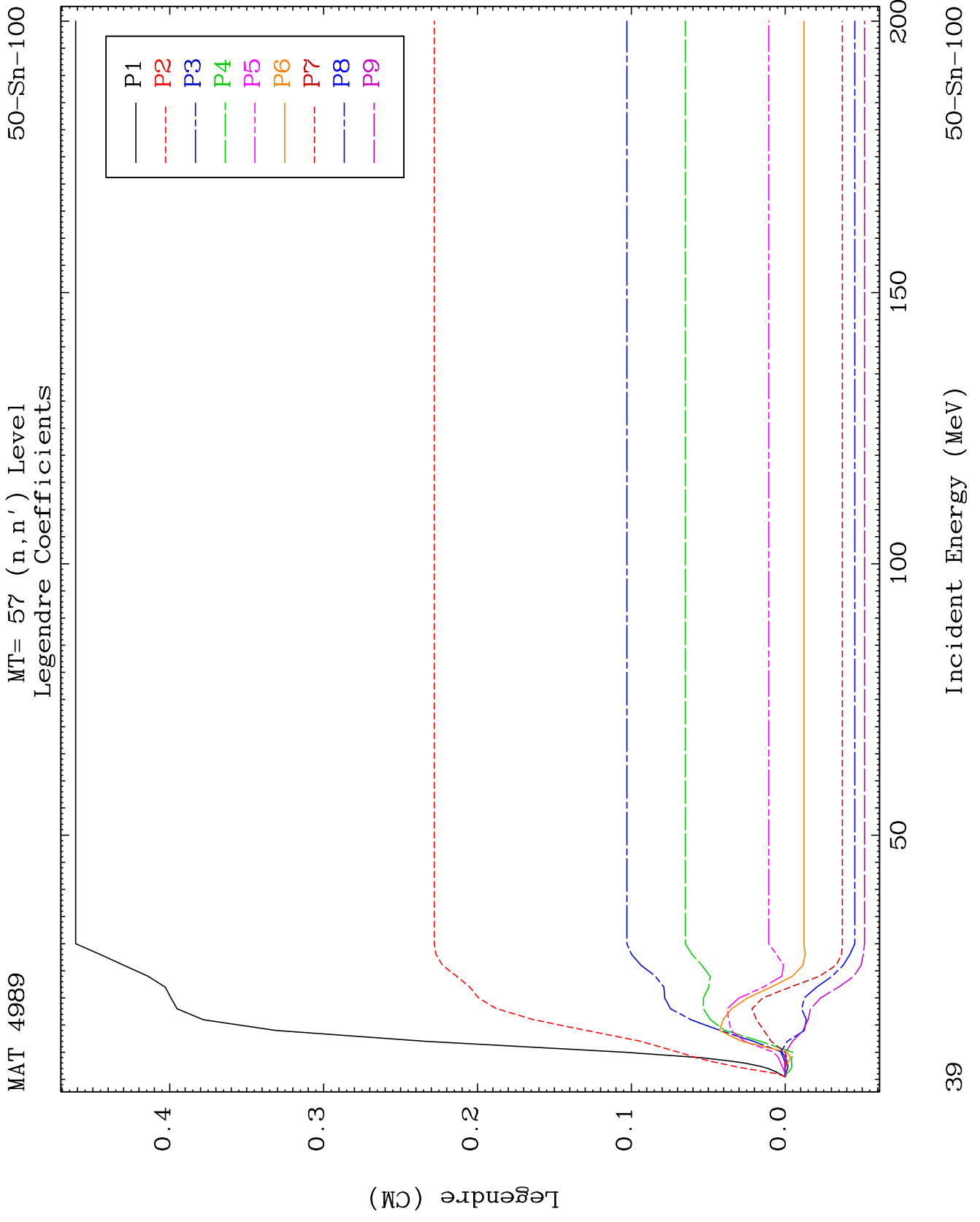
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Incident Energy (MeV)

50-Sn-100



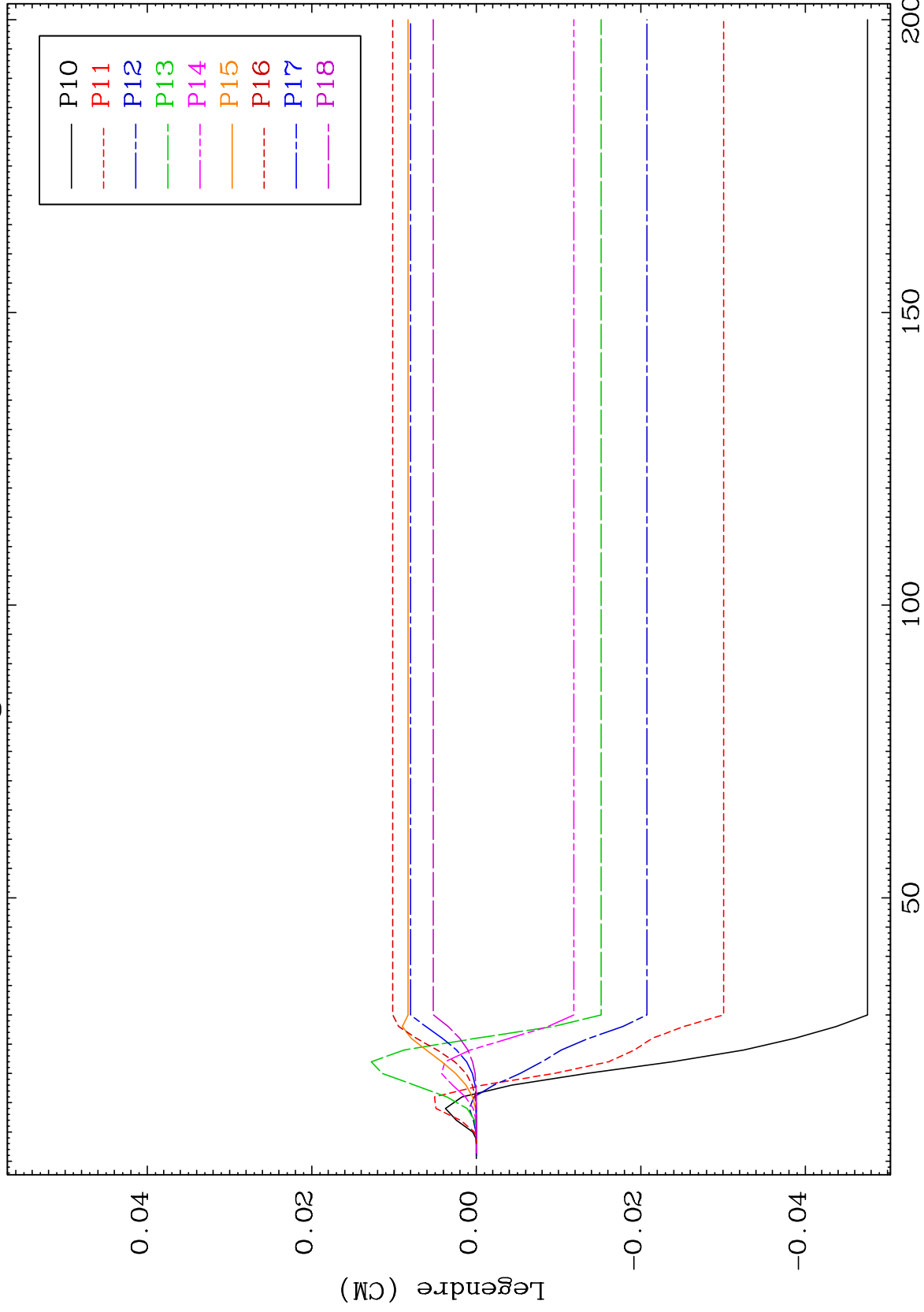




MAT 4989

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

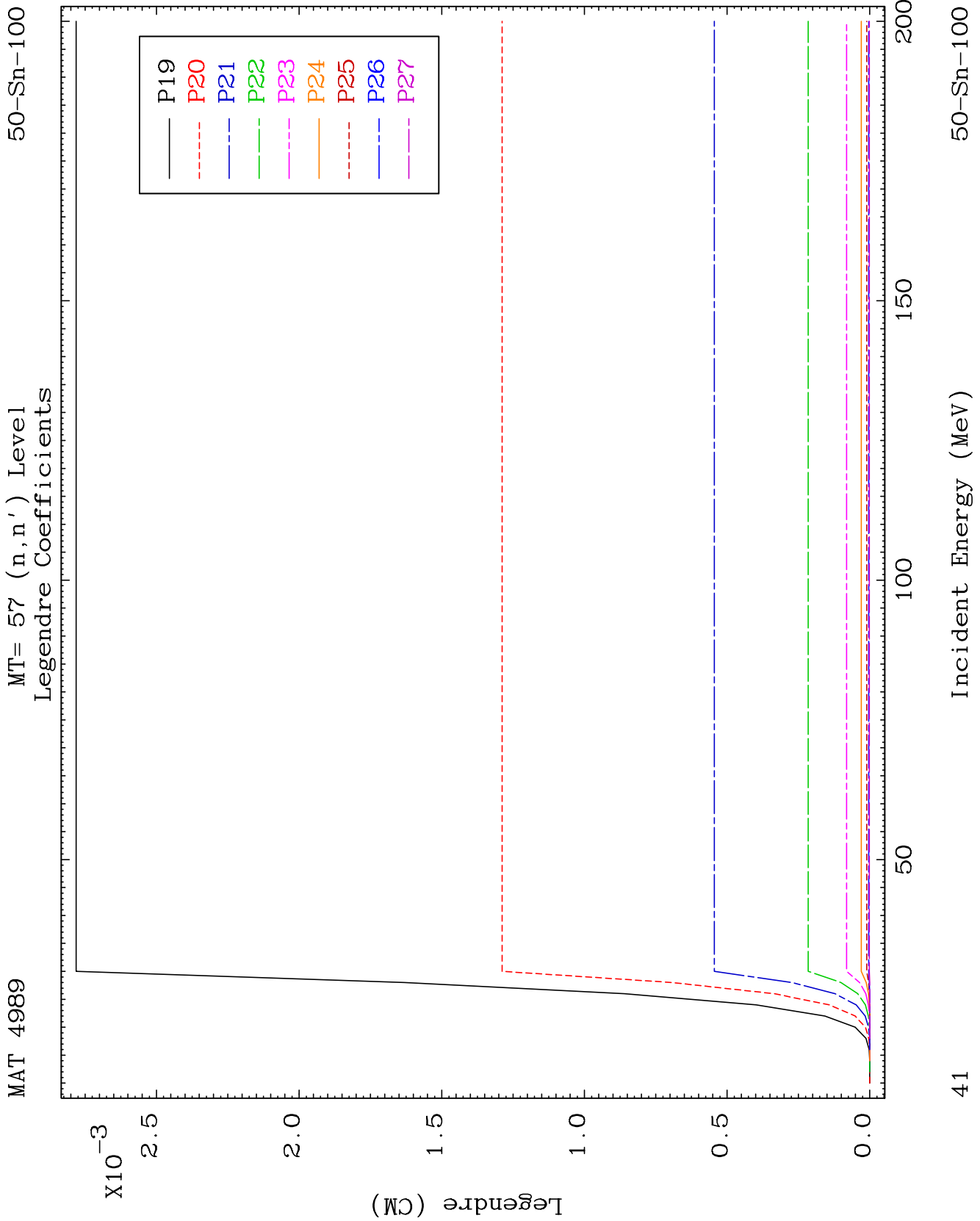
50-Sn-100



40

Incident Energy (MeV)

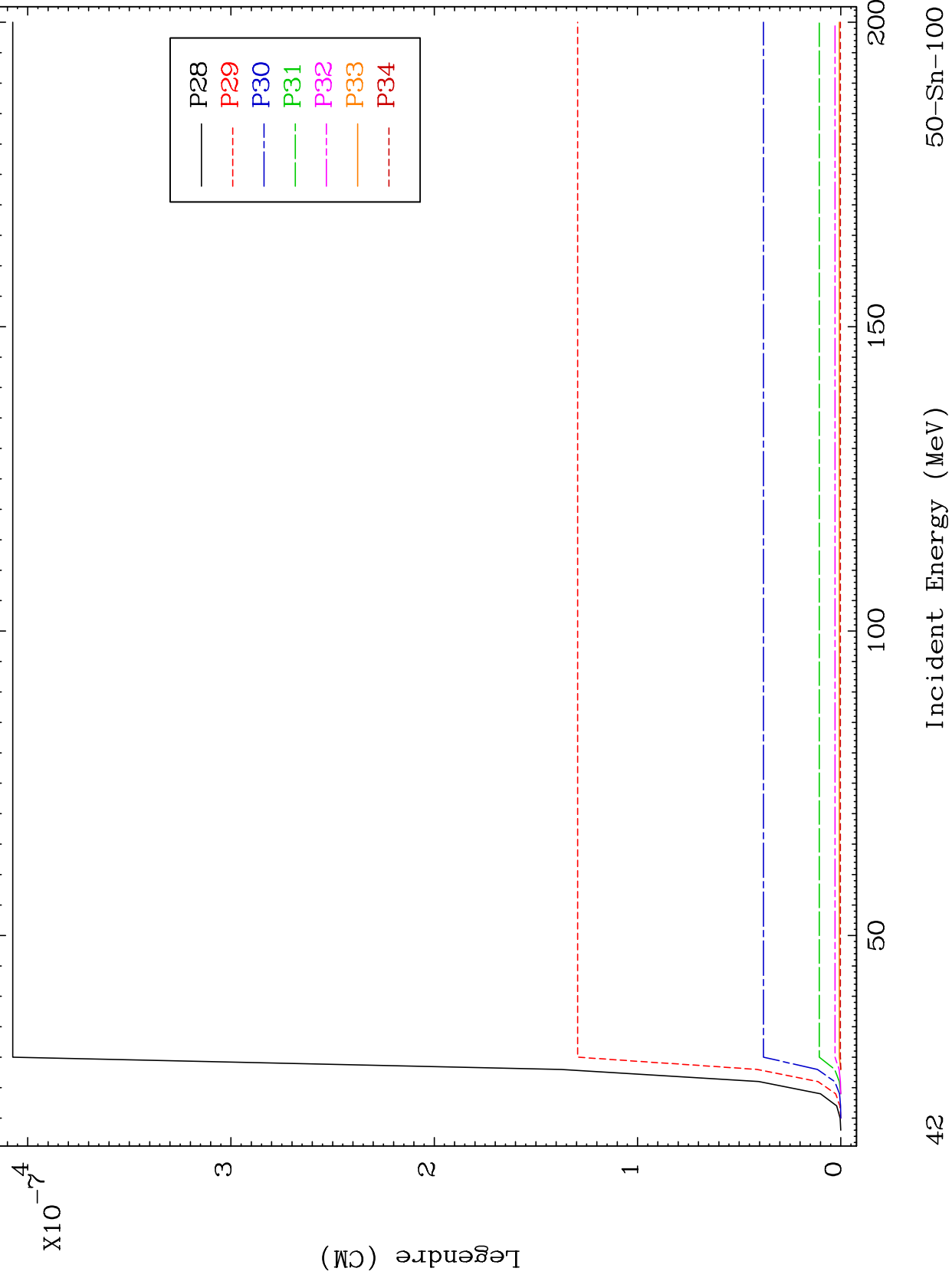
50-Sn-100

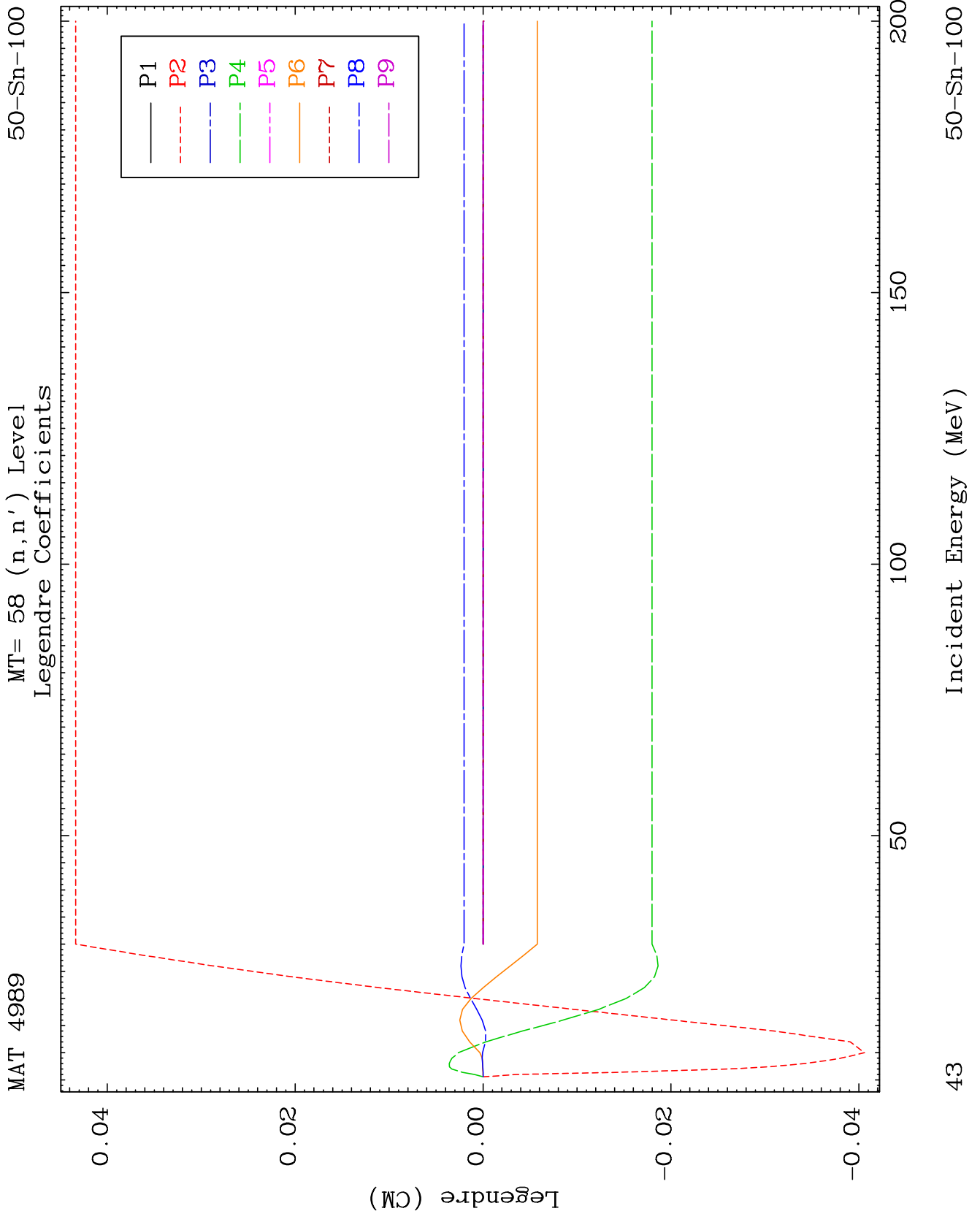


MAT 4989

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

50-Sn-100

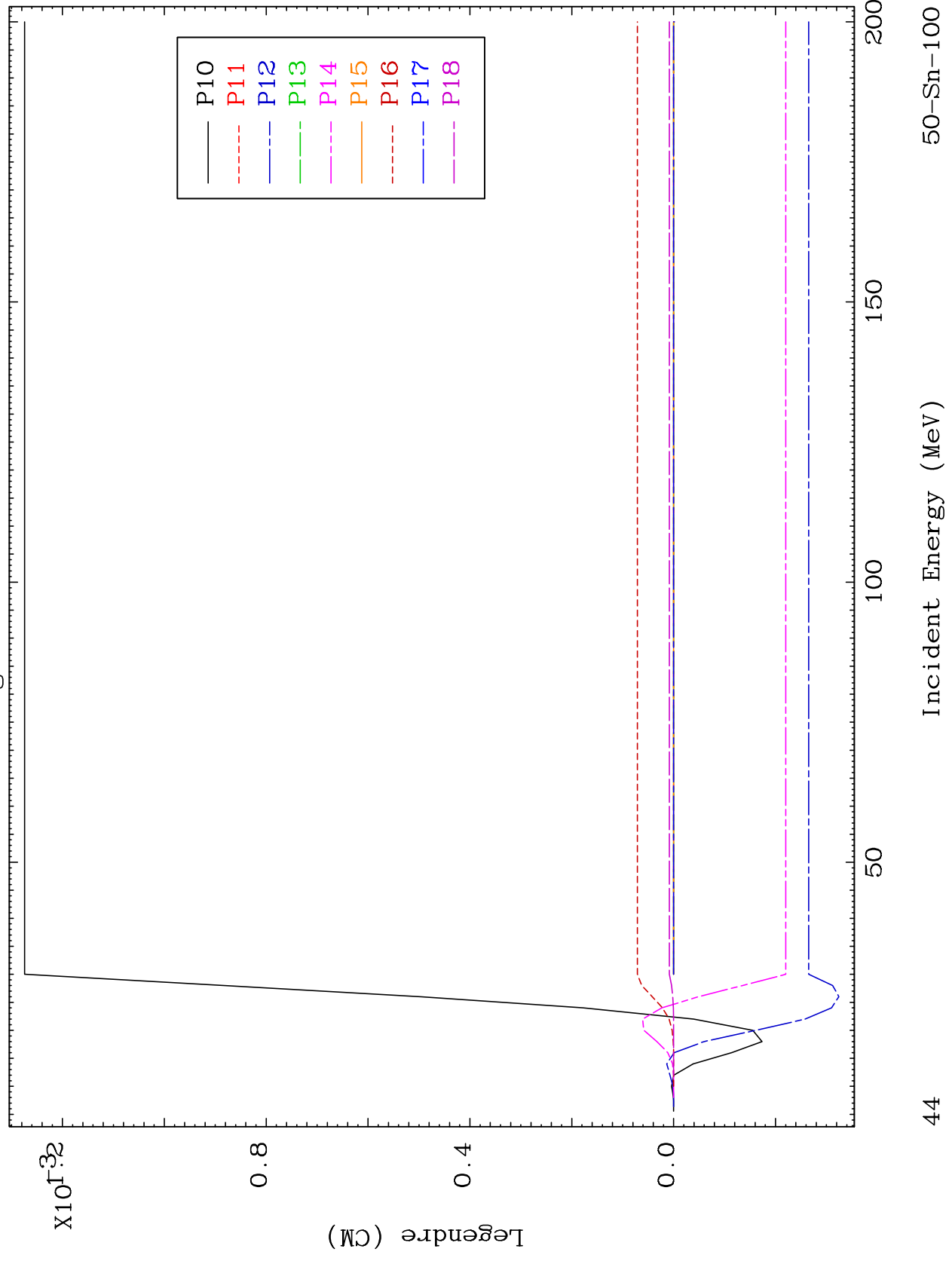




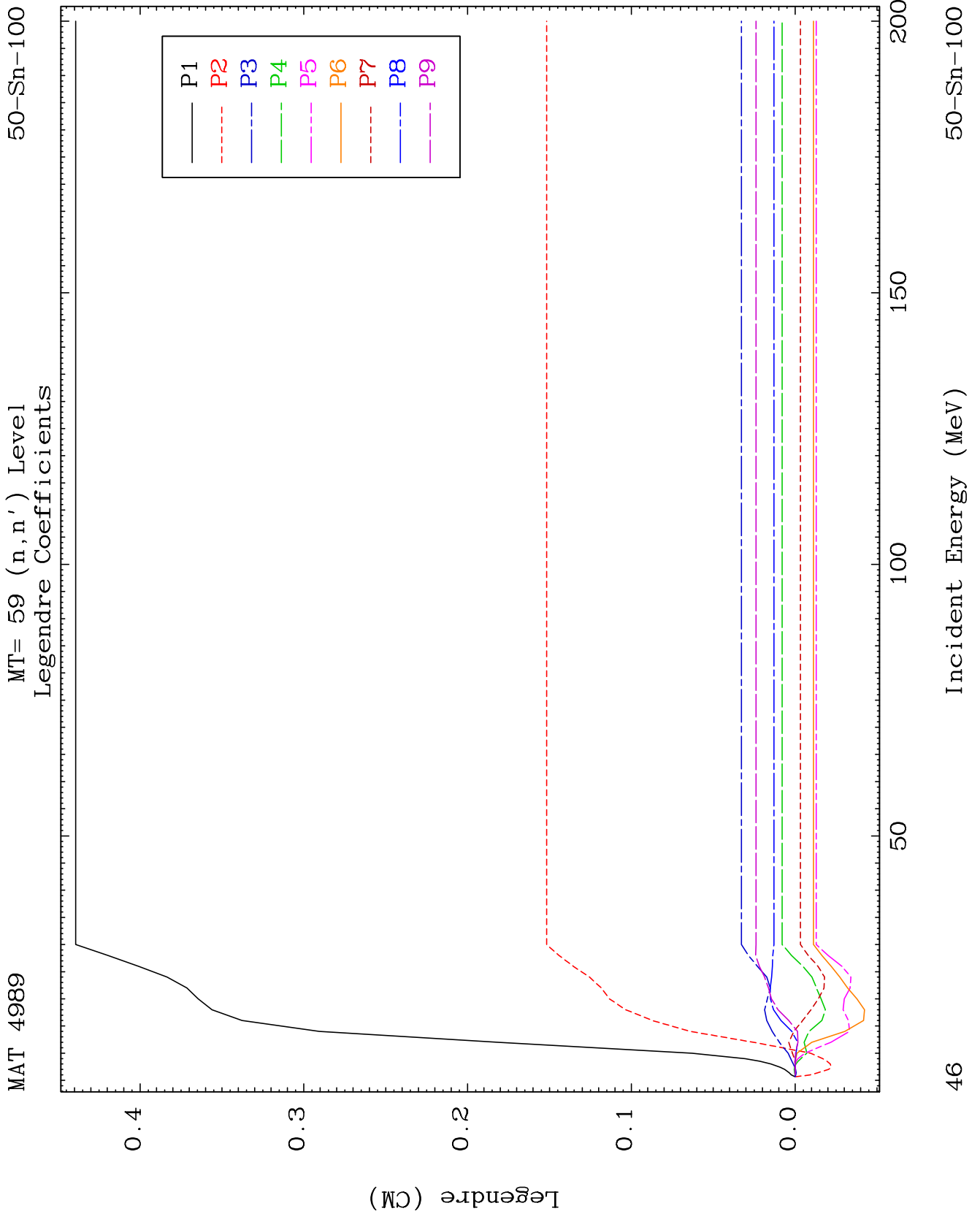
MAT 4989

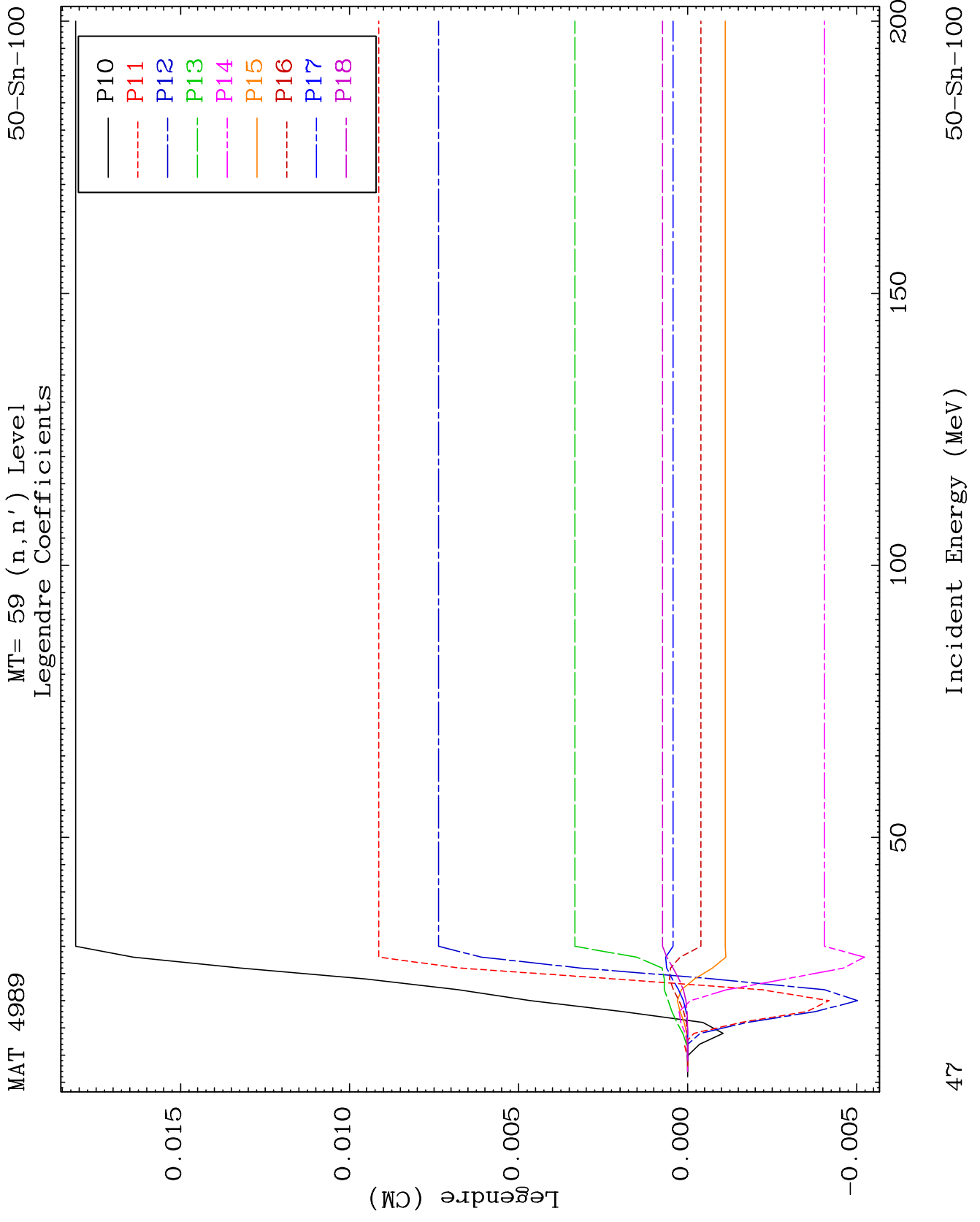
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Legendre Coefficients

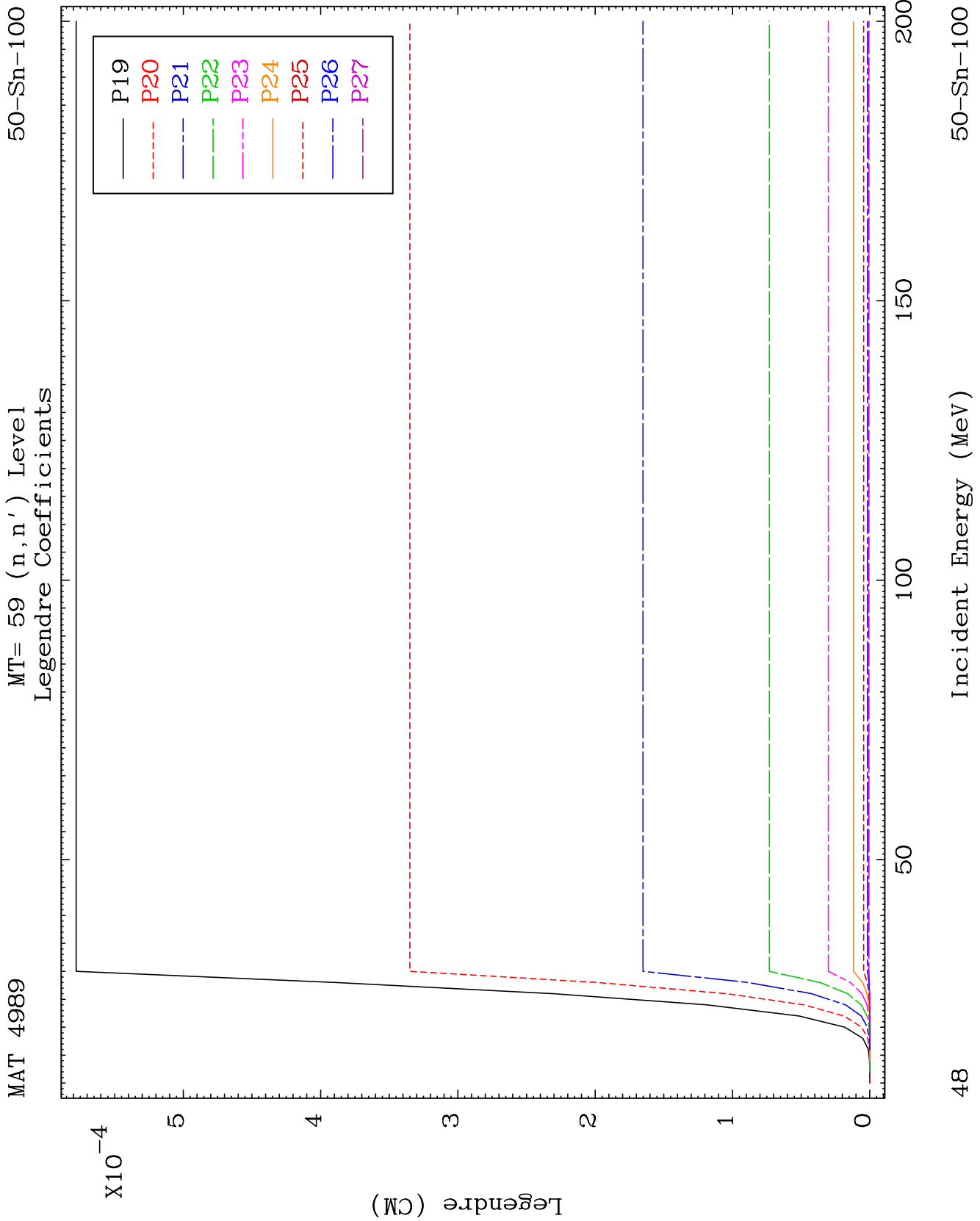
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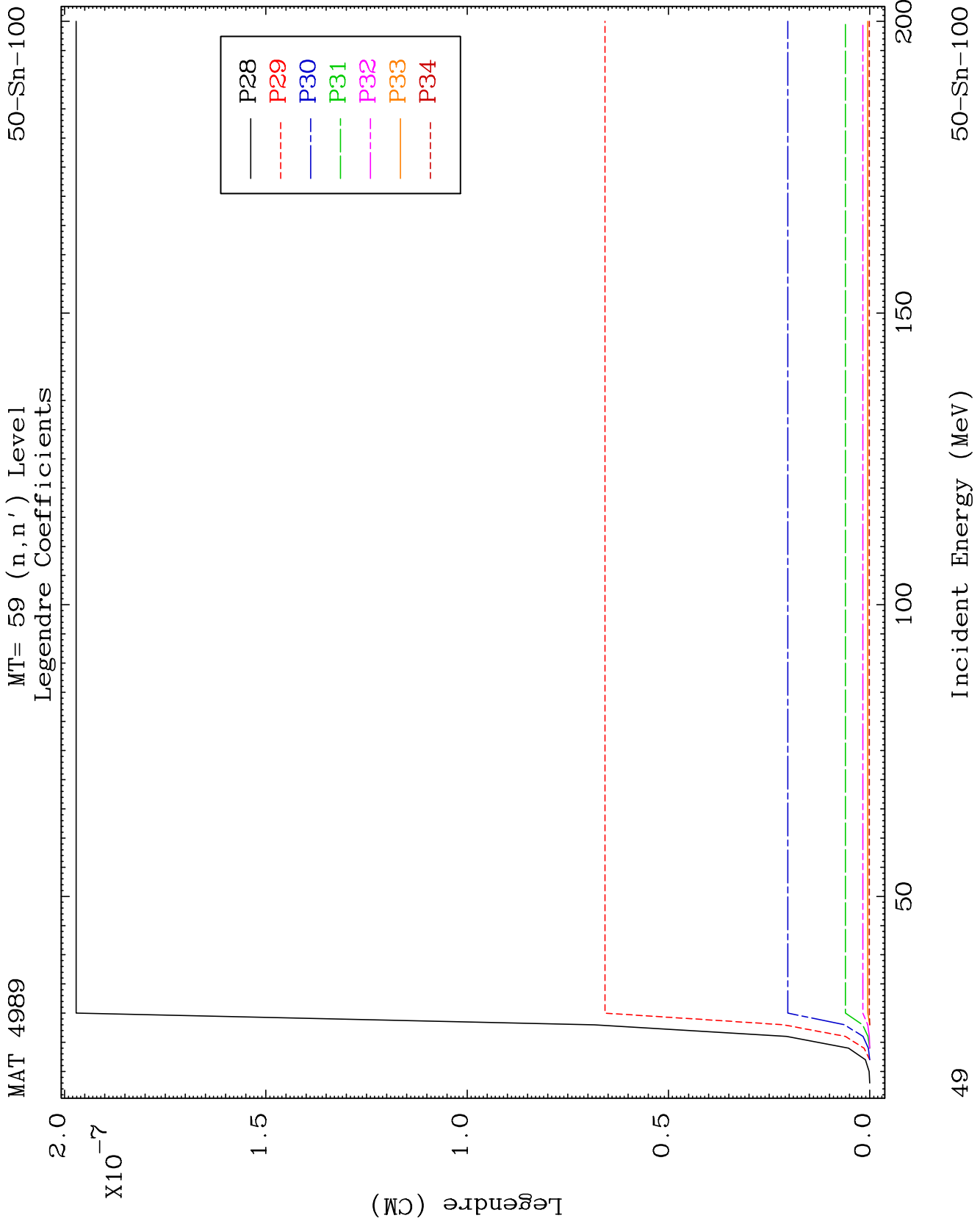


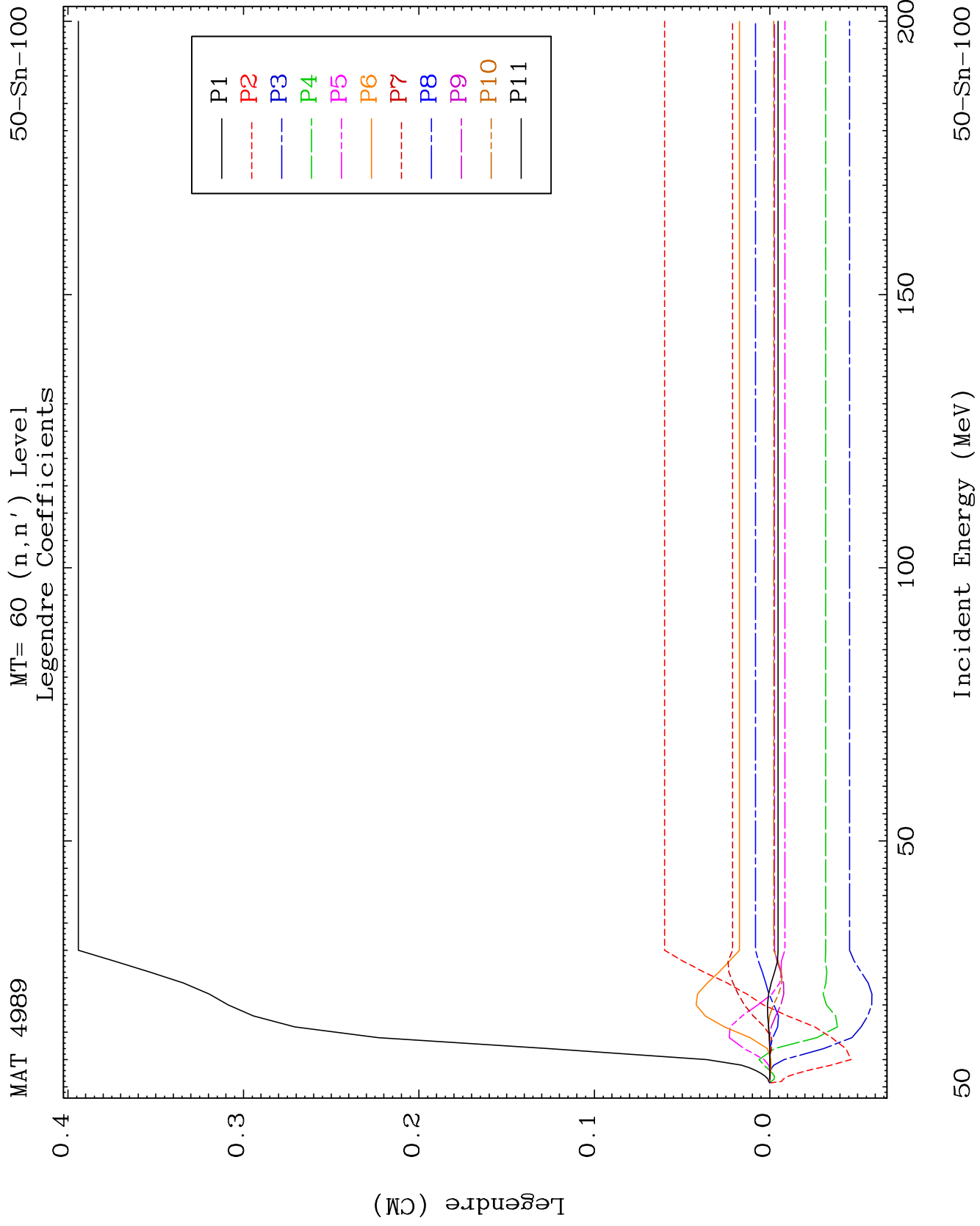


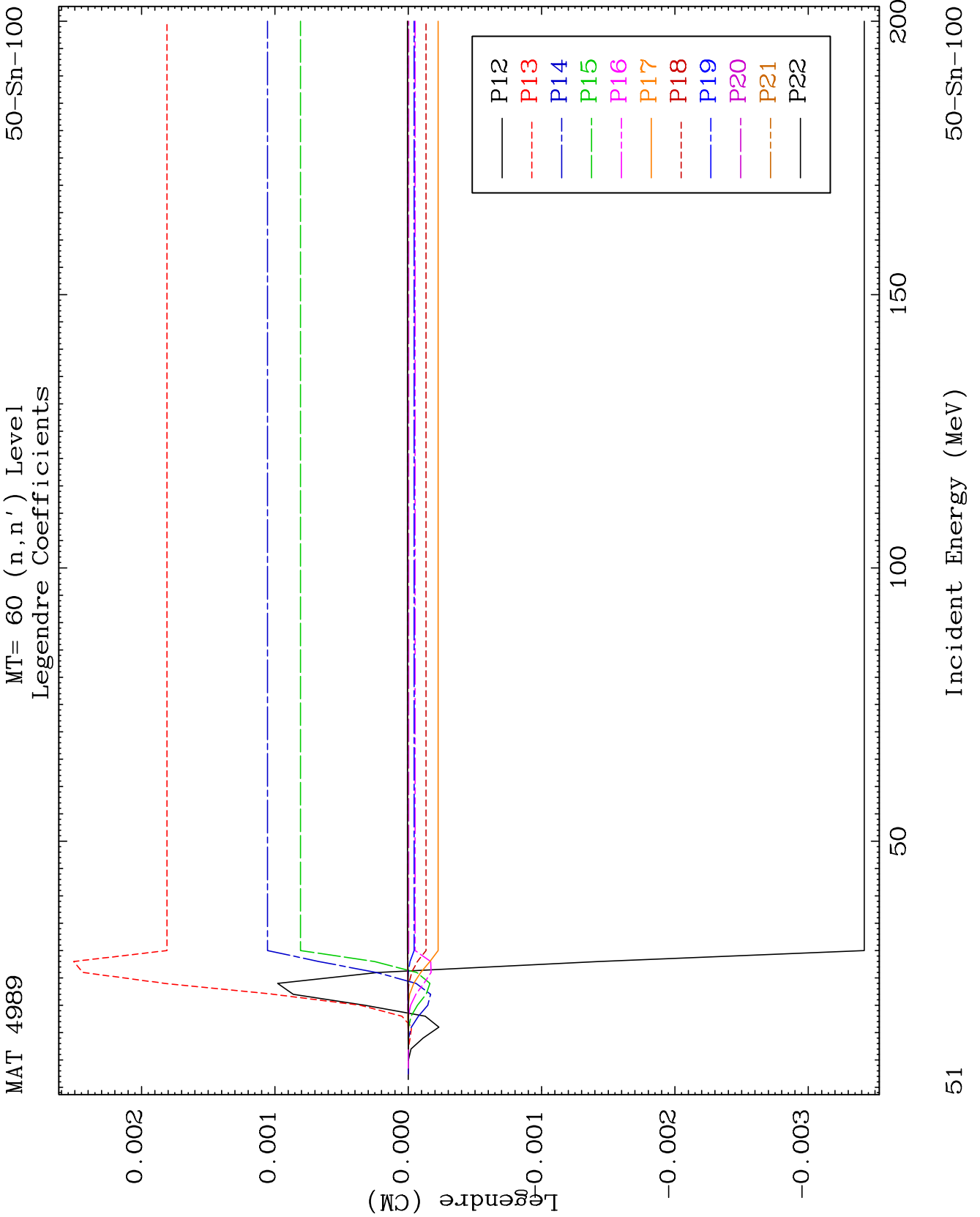


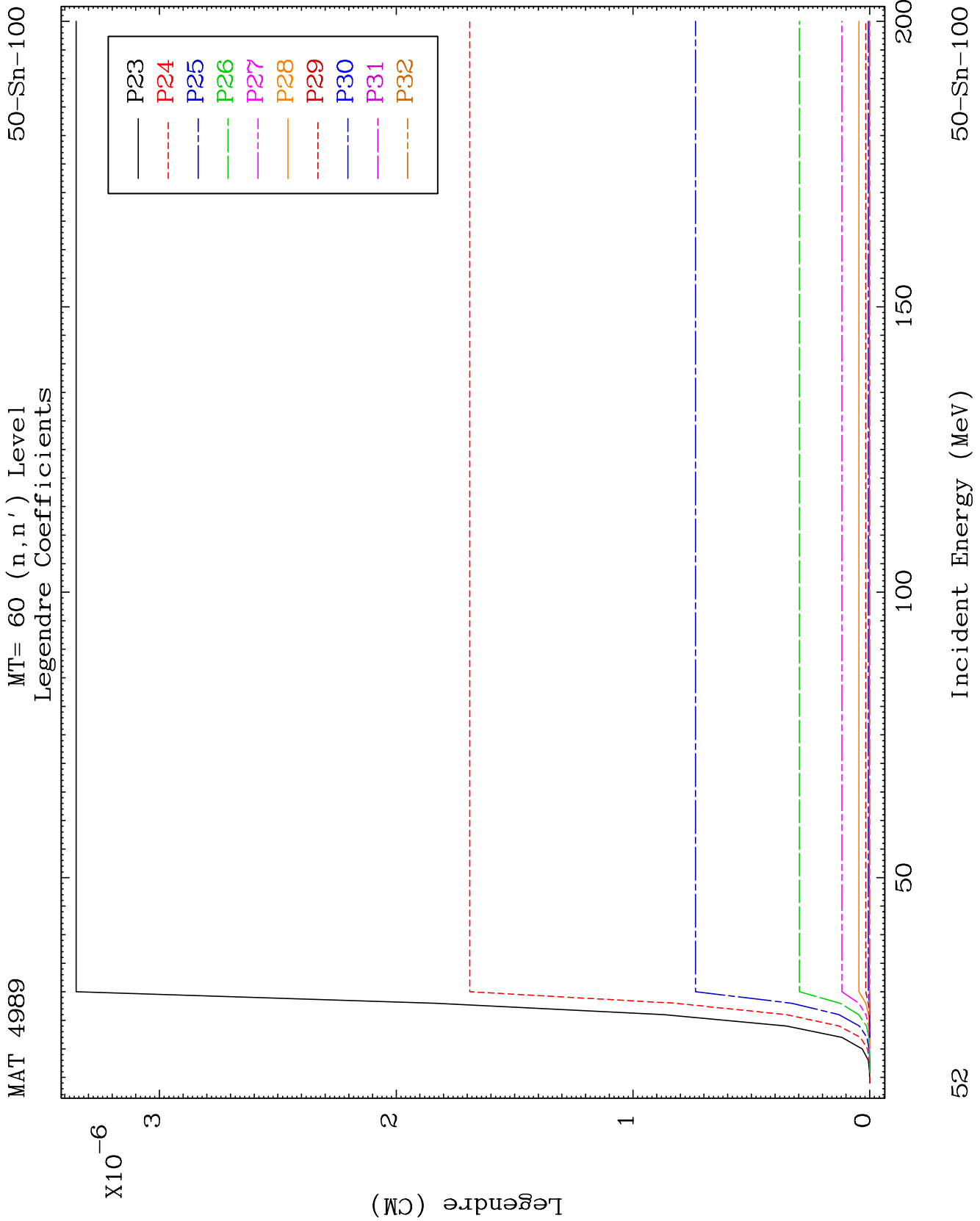


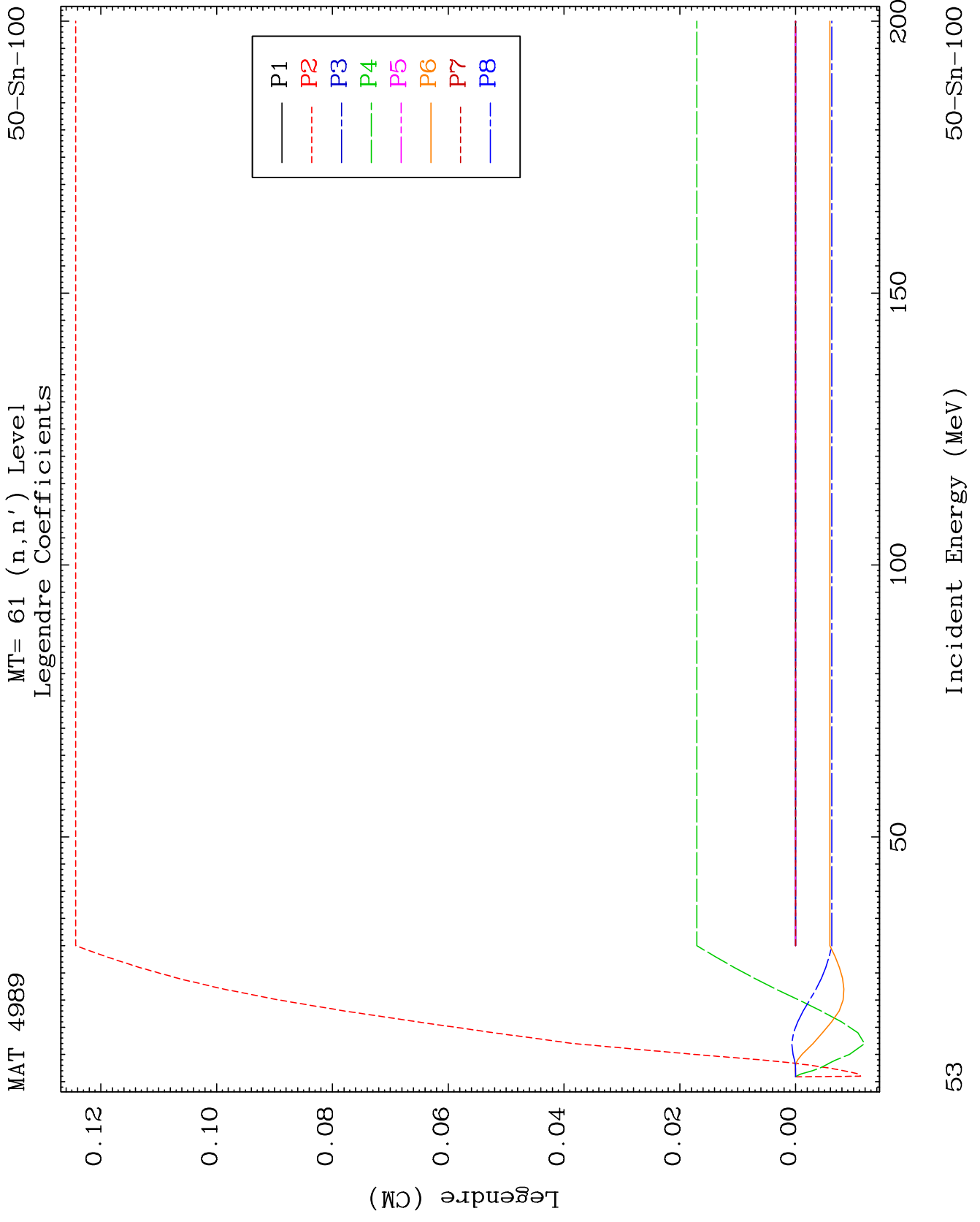








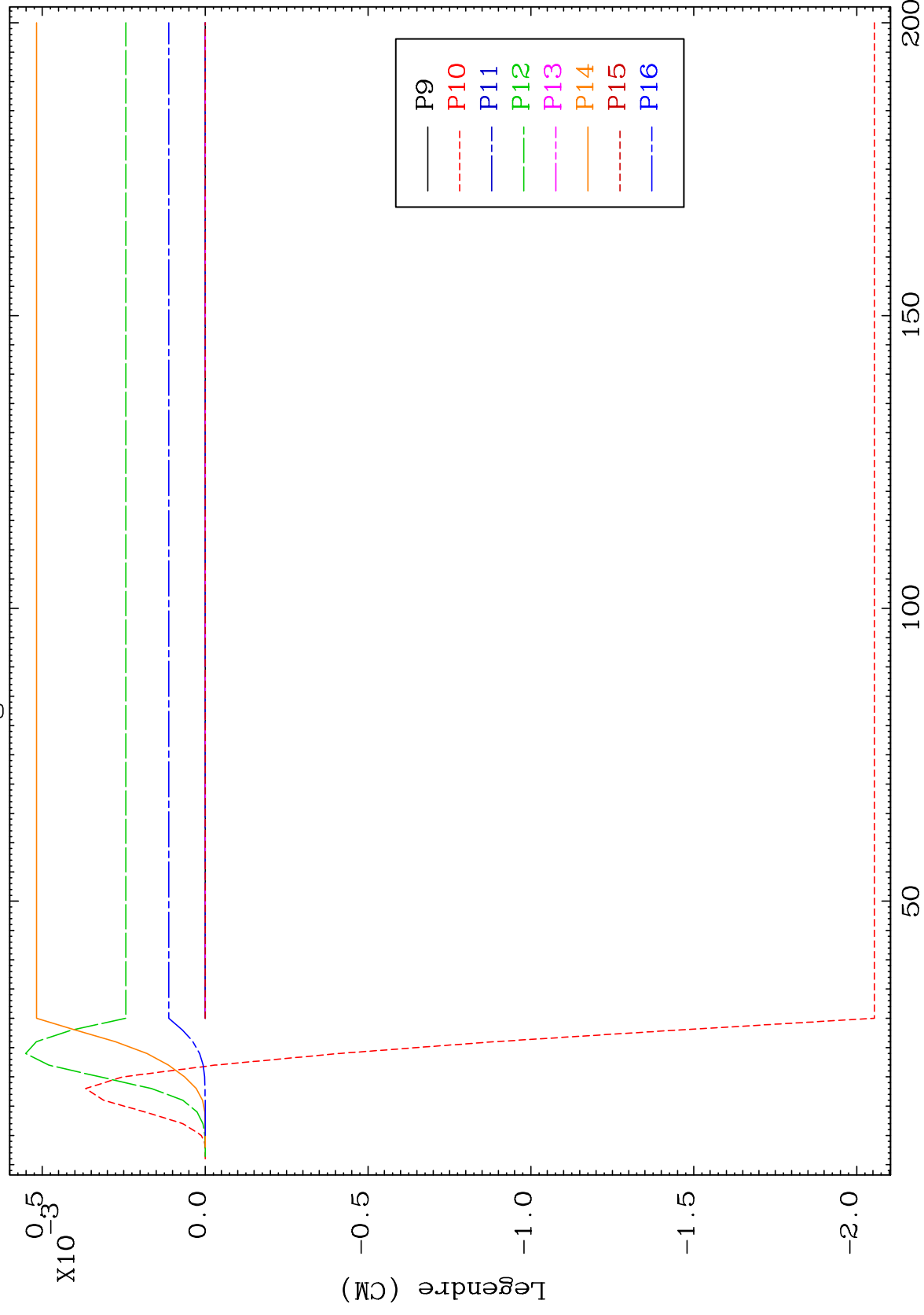




MAT 4989

MT= 61 (n,n') Level  
Legendre Coefficients

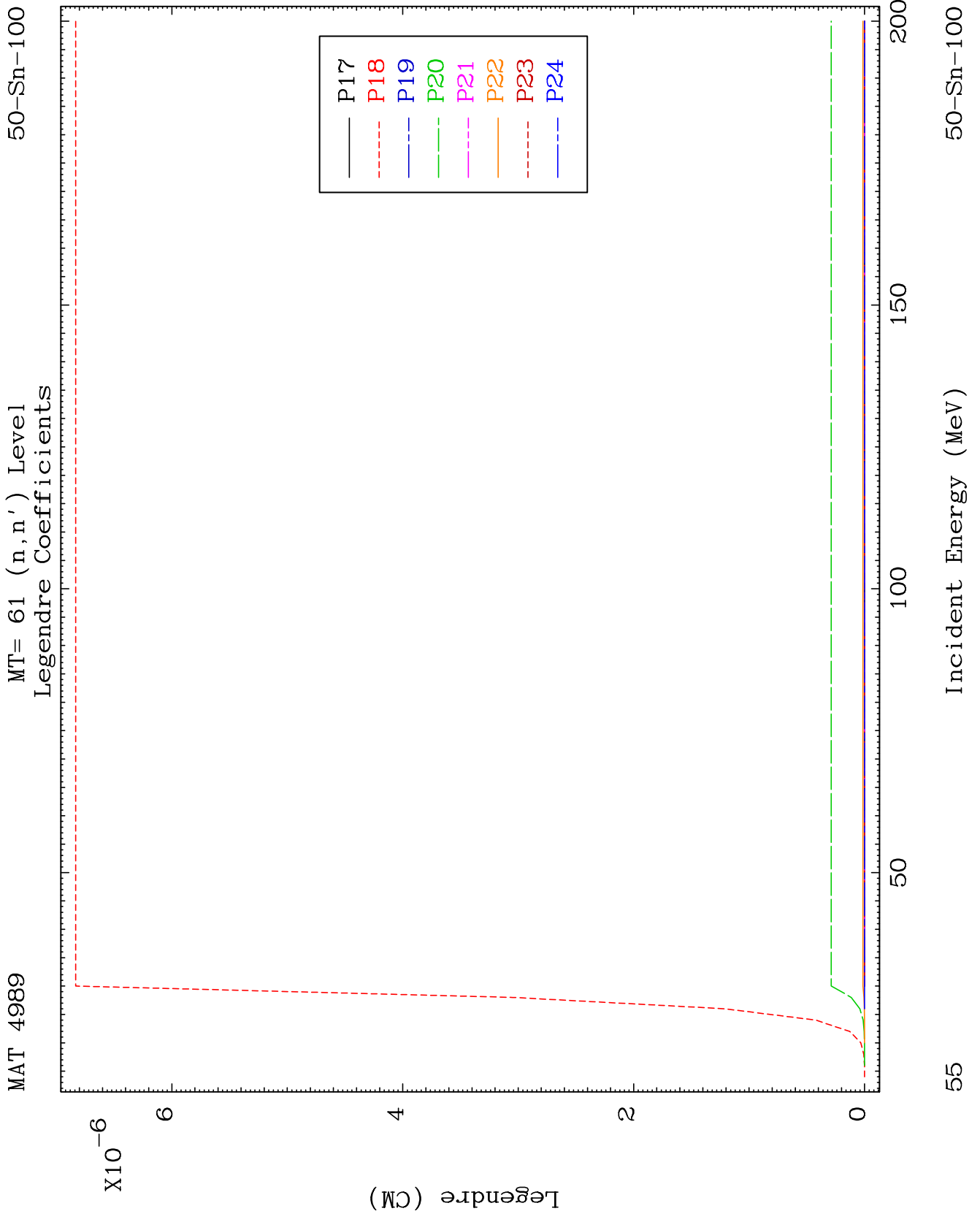
50-Sn-100



54

Incident Energy (MeV)

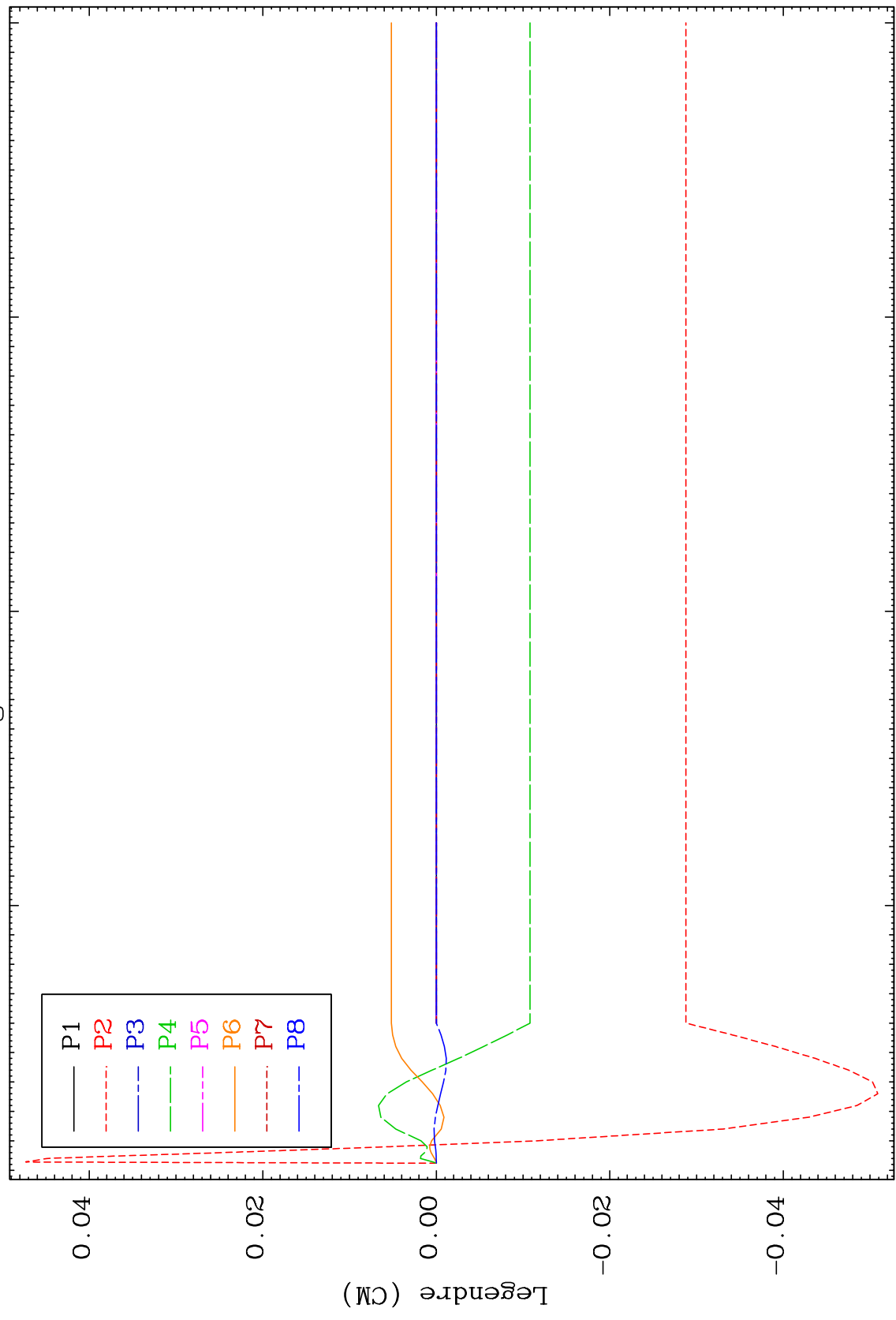
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MAT 4989

MT= 62 (n,n') Level  
Legendre Coefficients

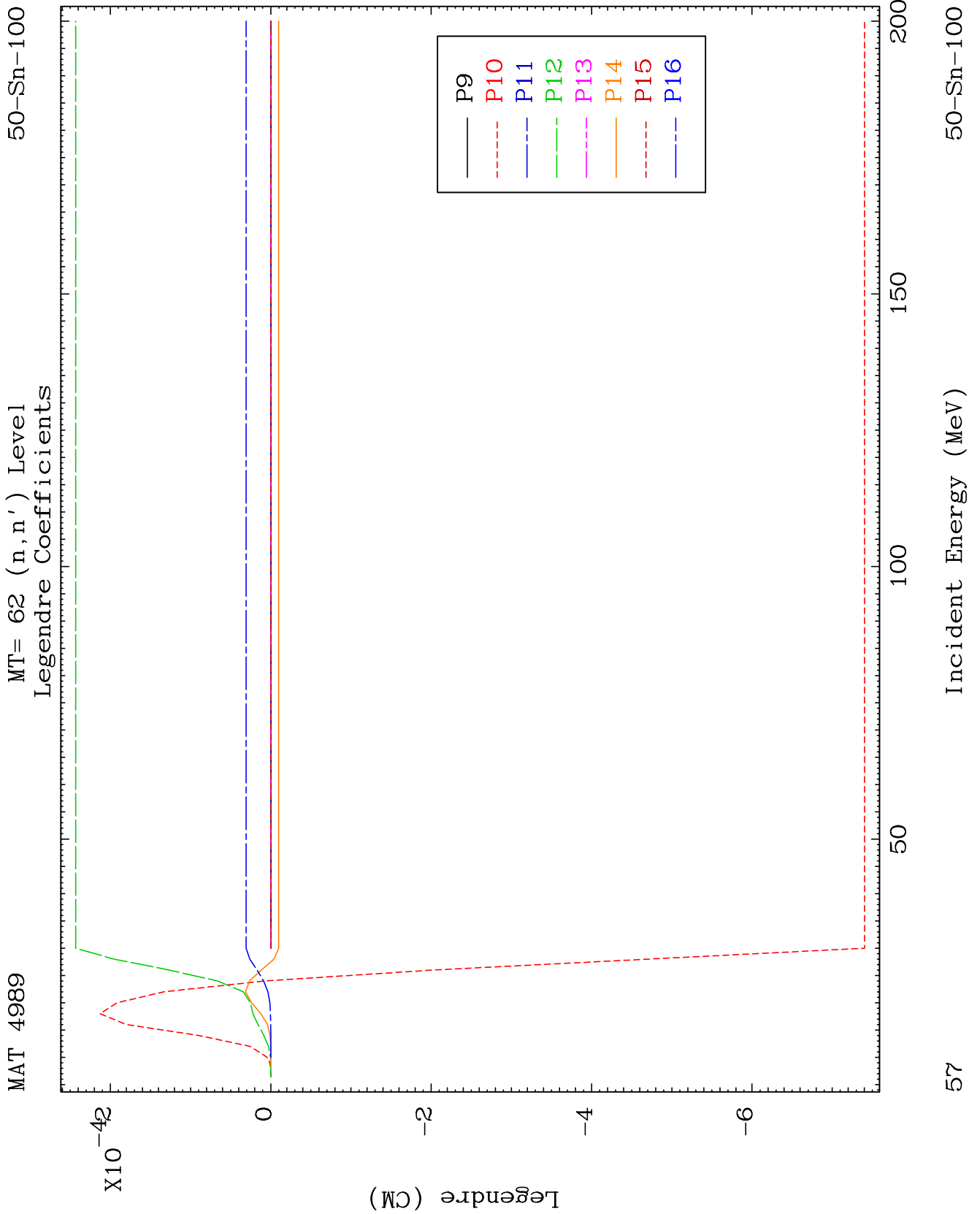
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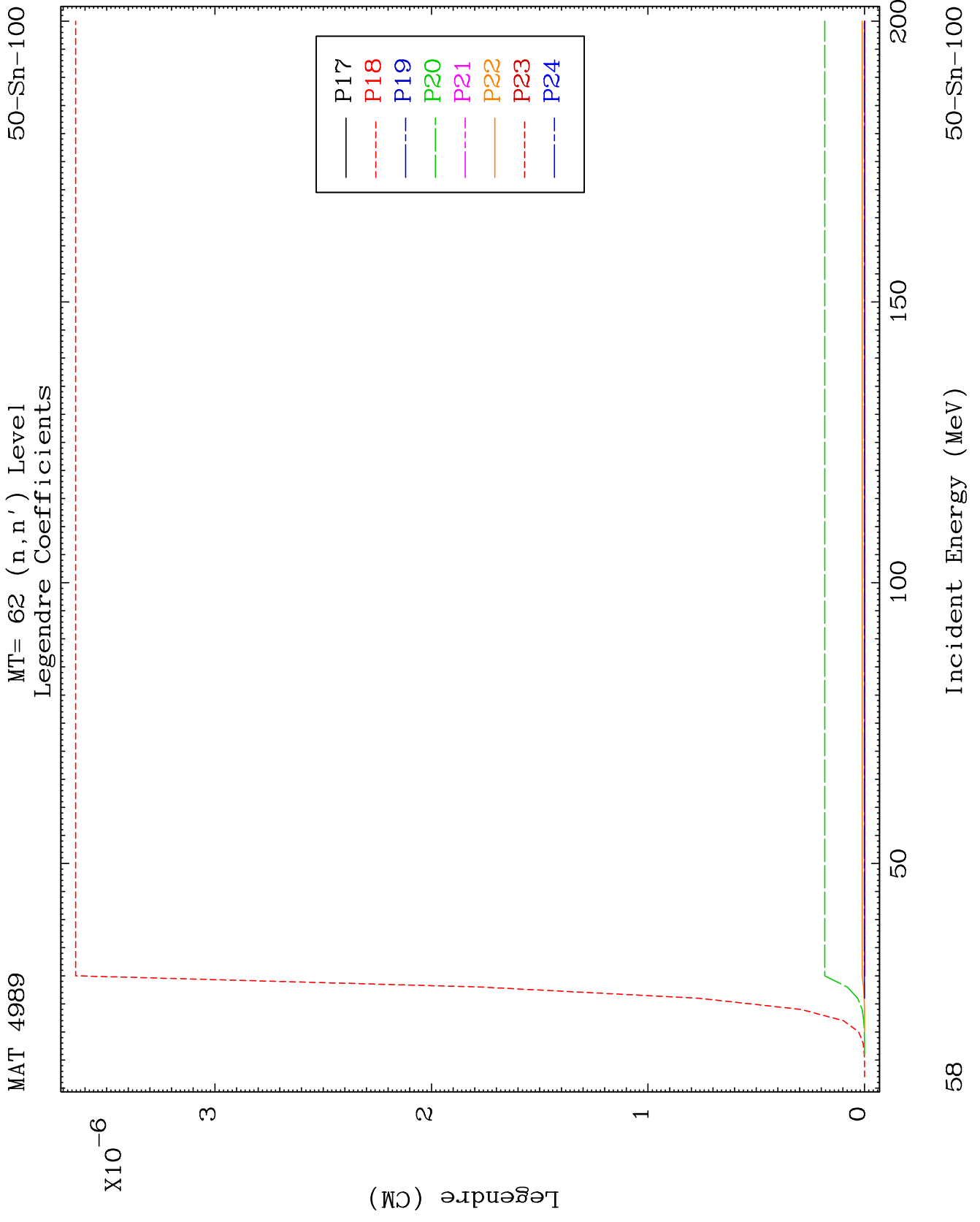


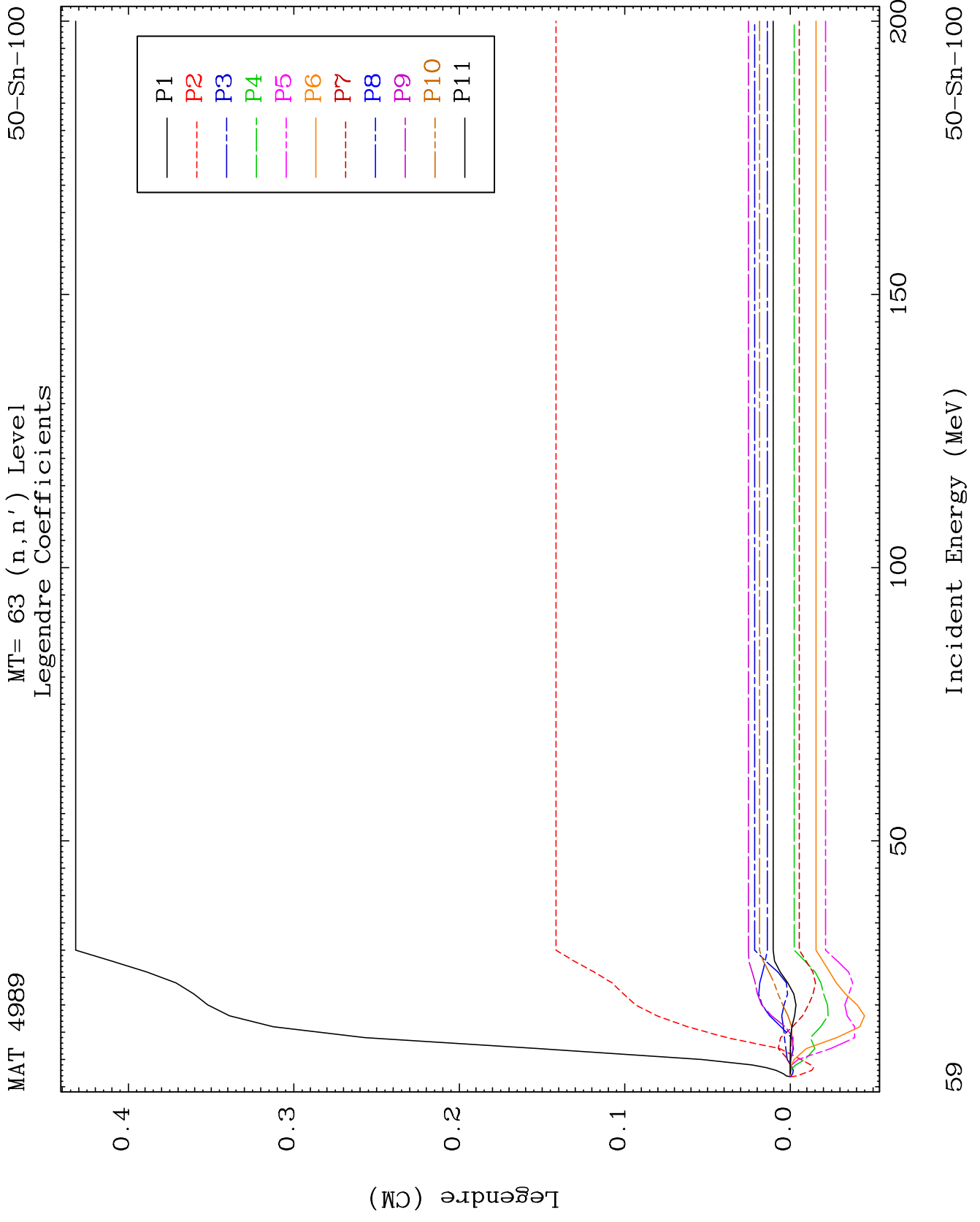
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Incident Energy (MeV)

50-Sn-100



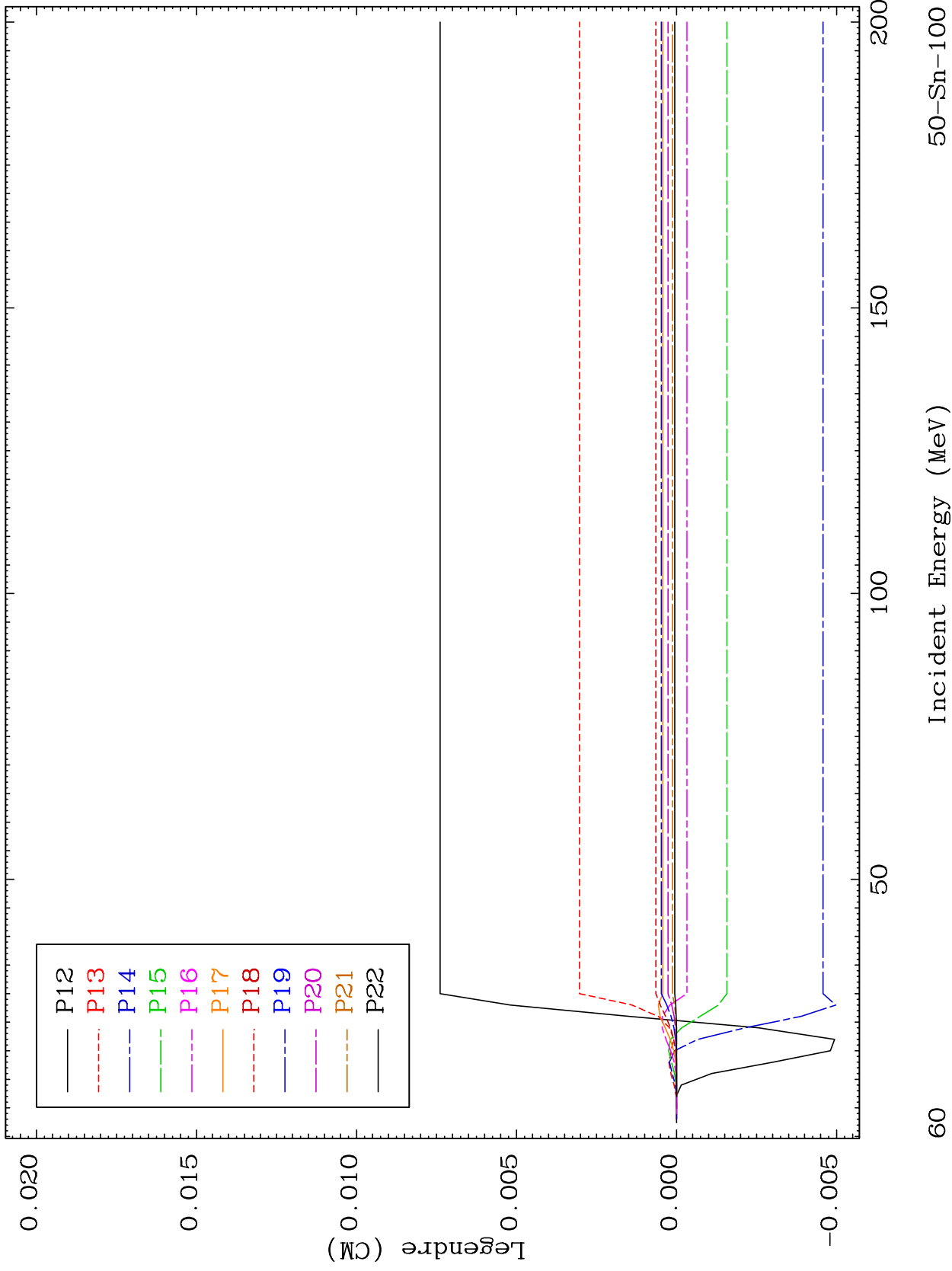




MAT 4989

MT= 63 (n,n') Level  
Legendre Coefficients

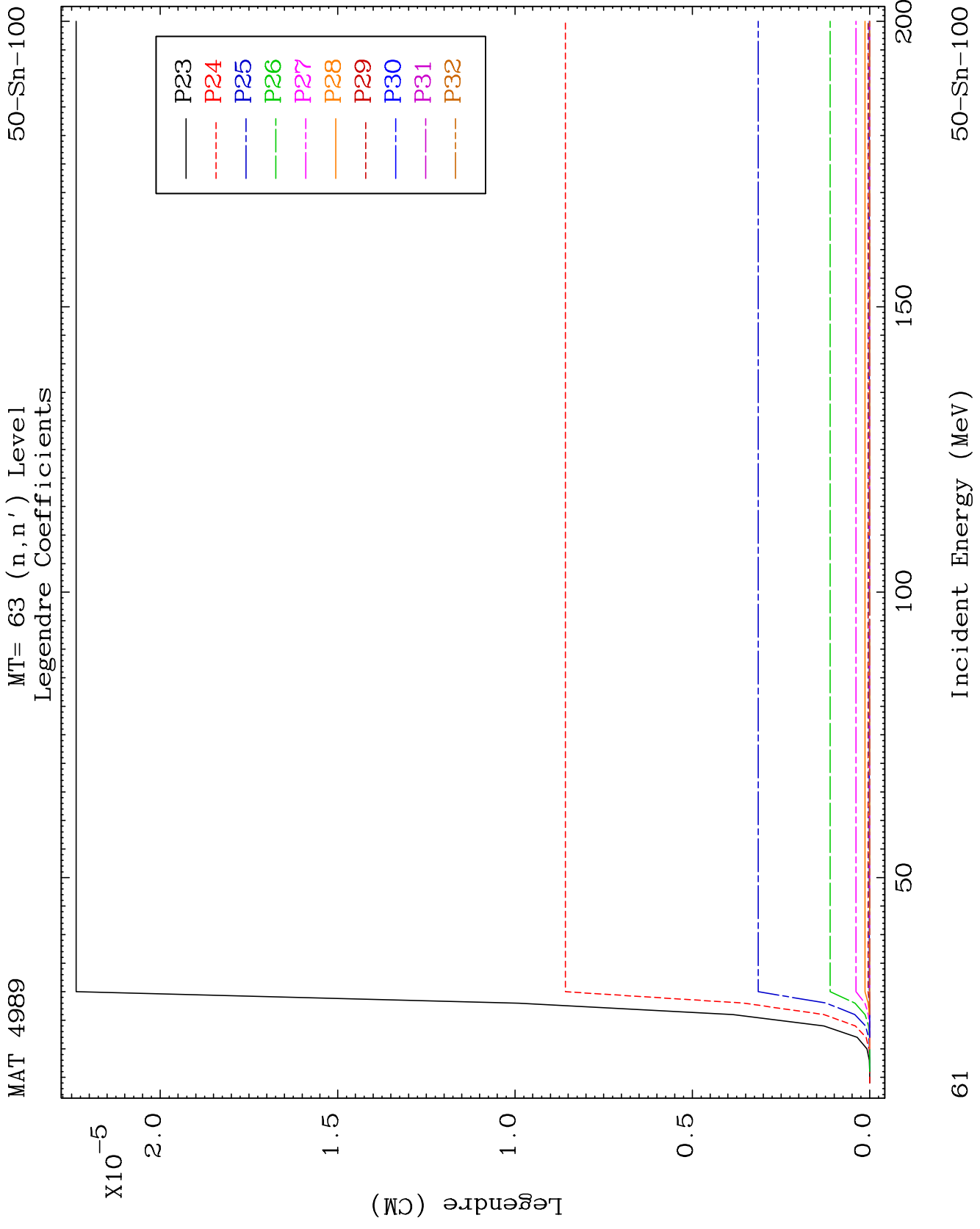
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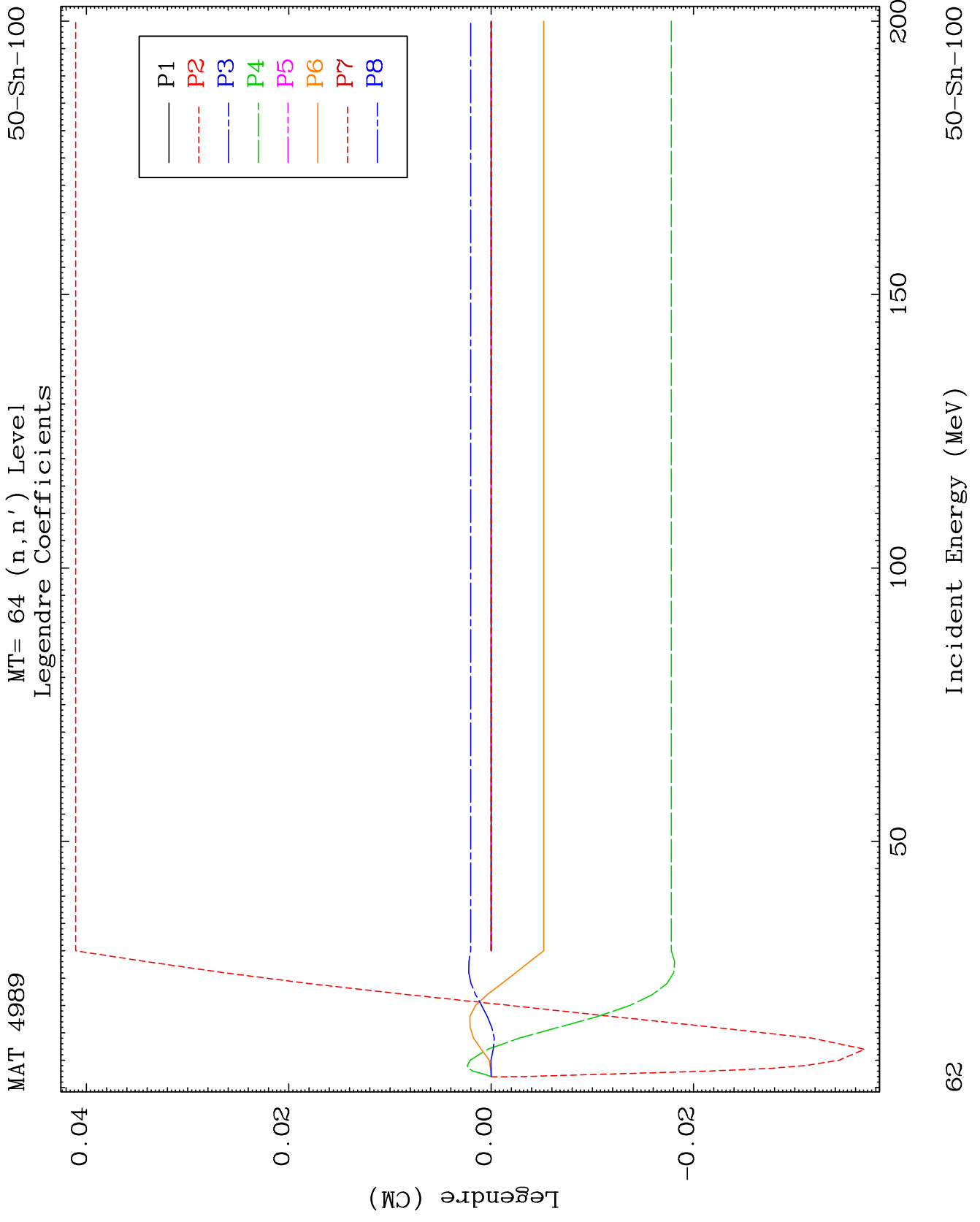


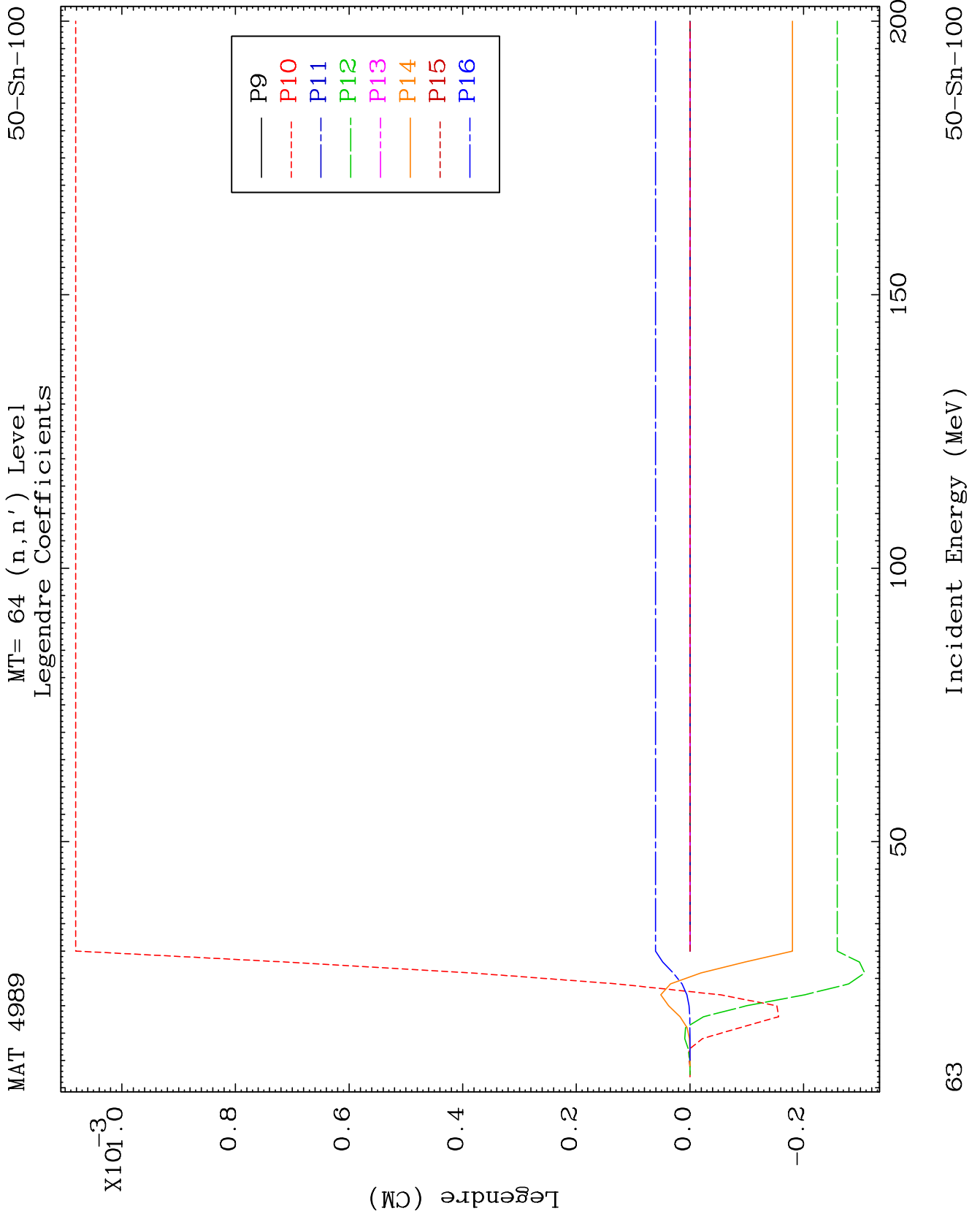
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Incident Energy (MeV)

50-Sn-100

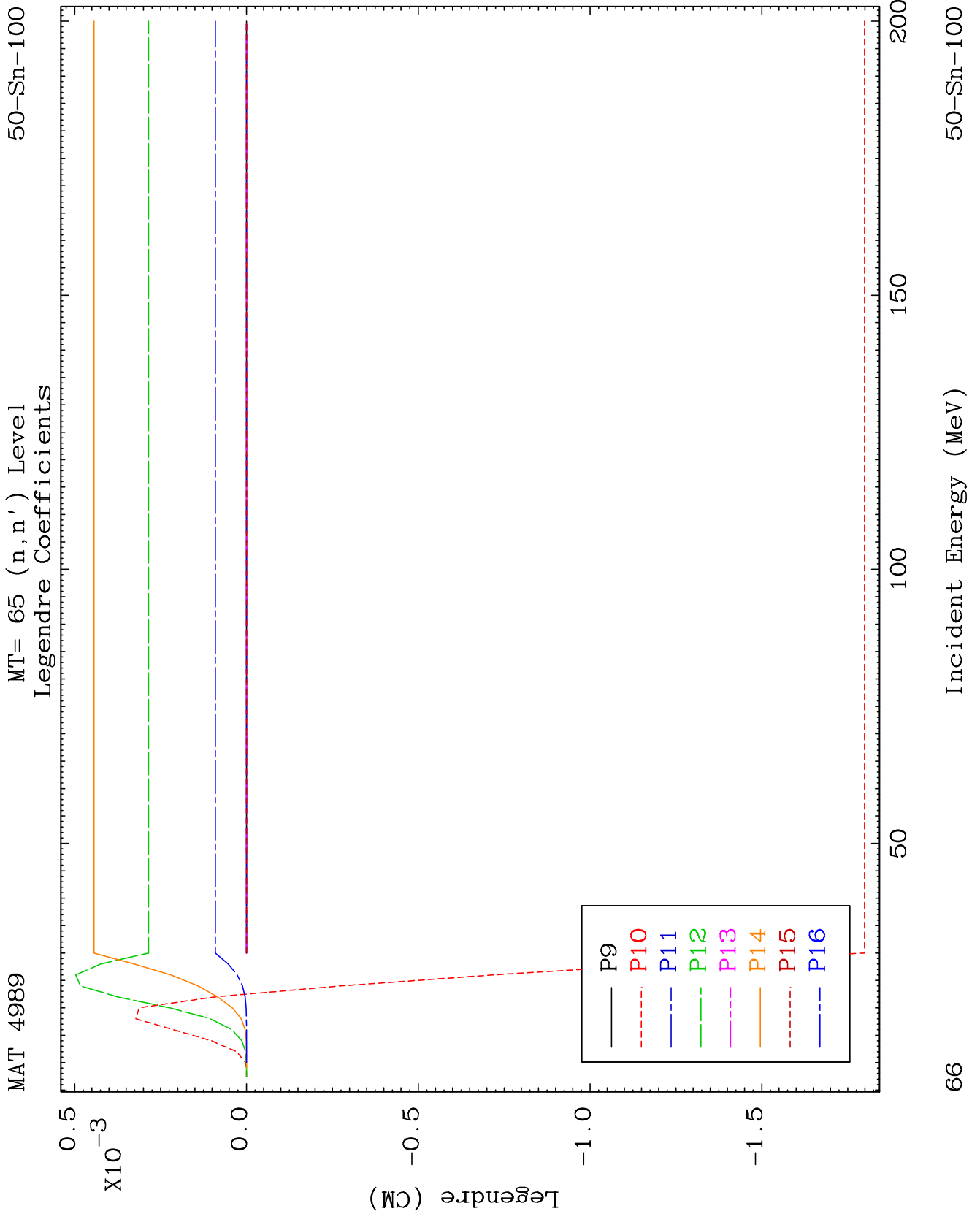


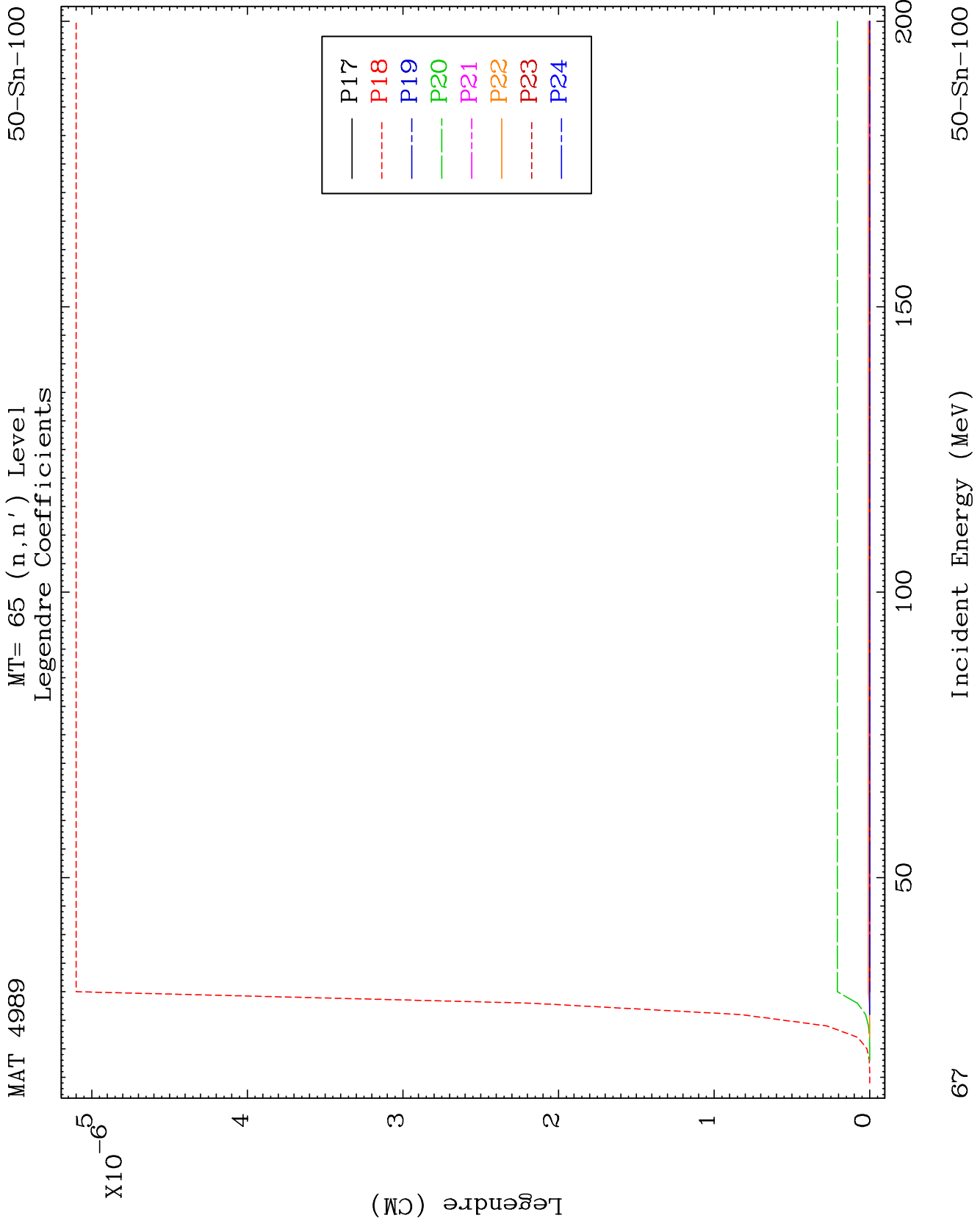


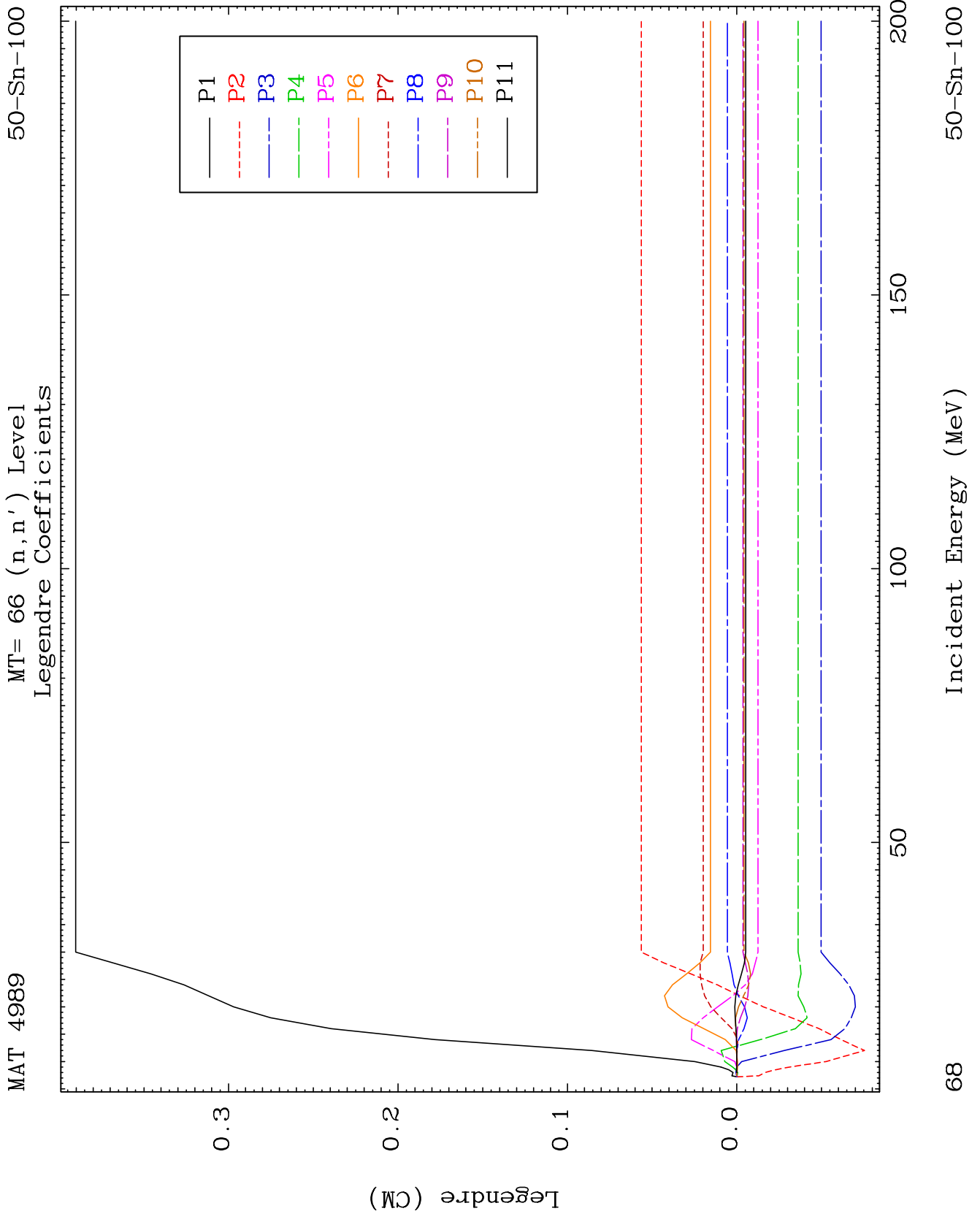


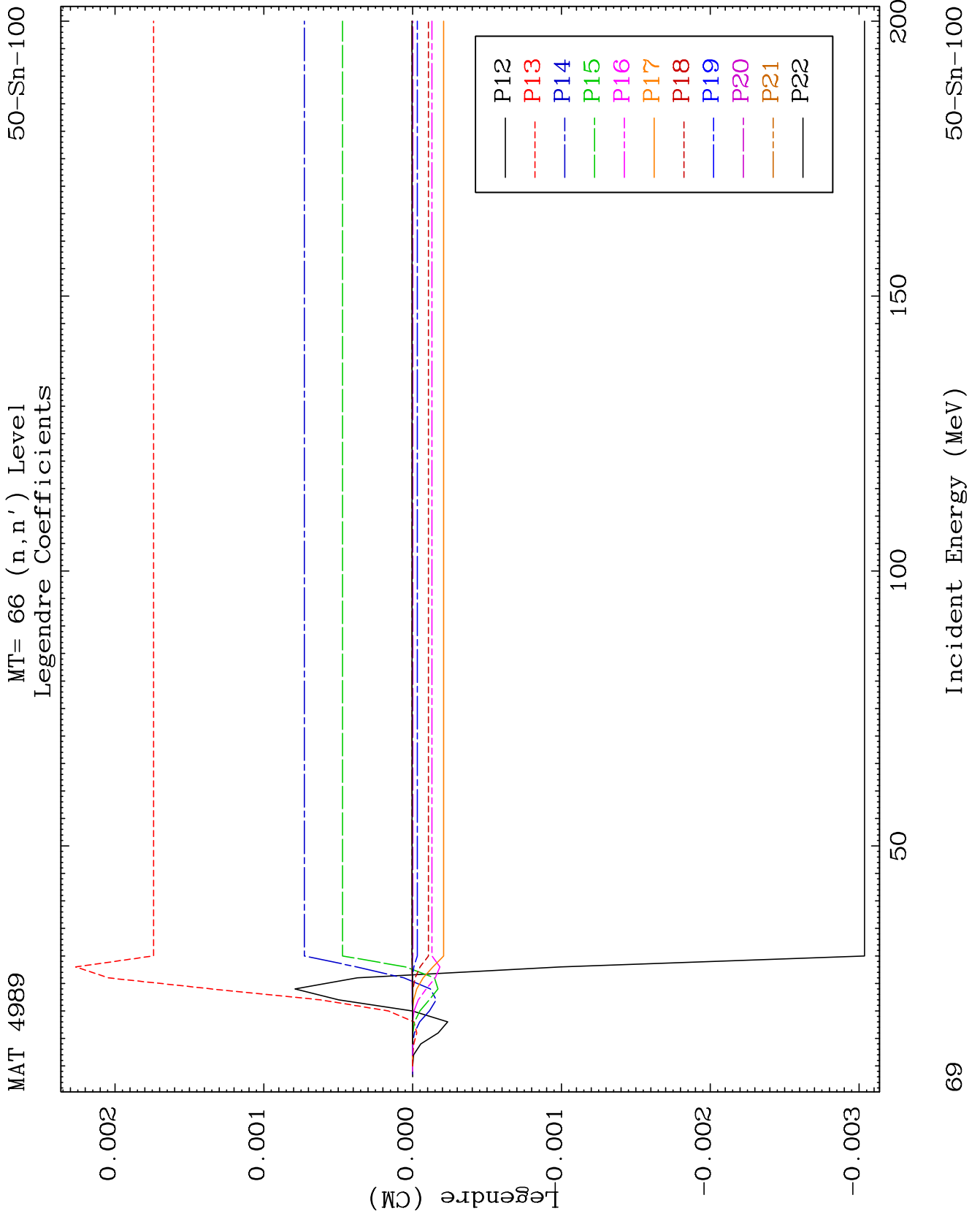




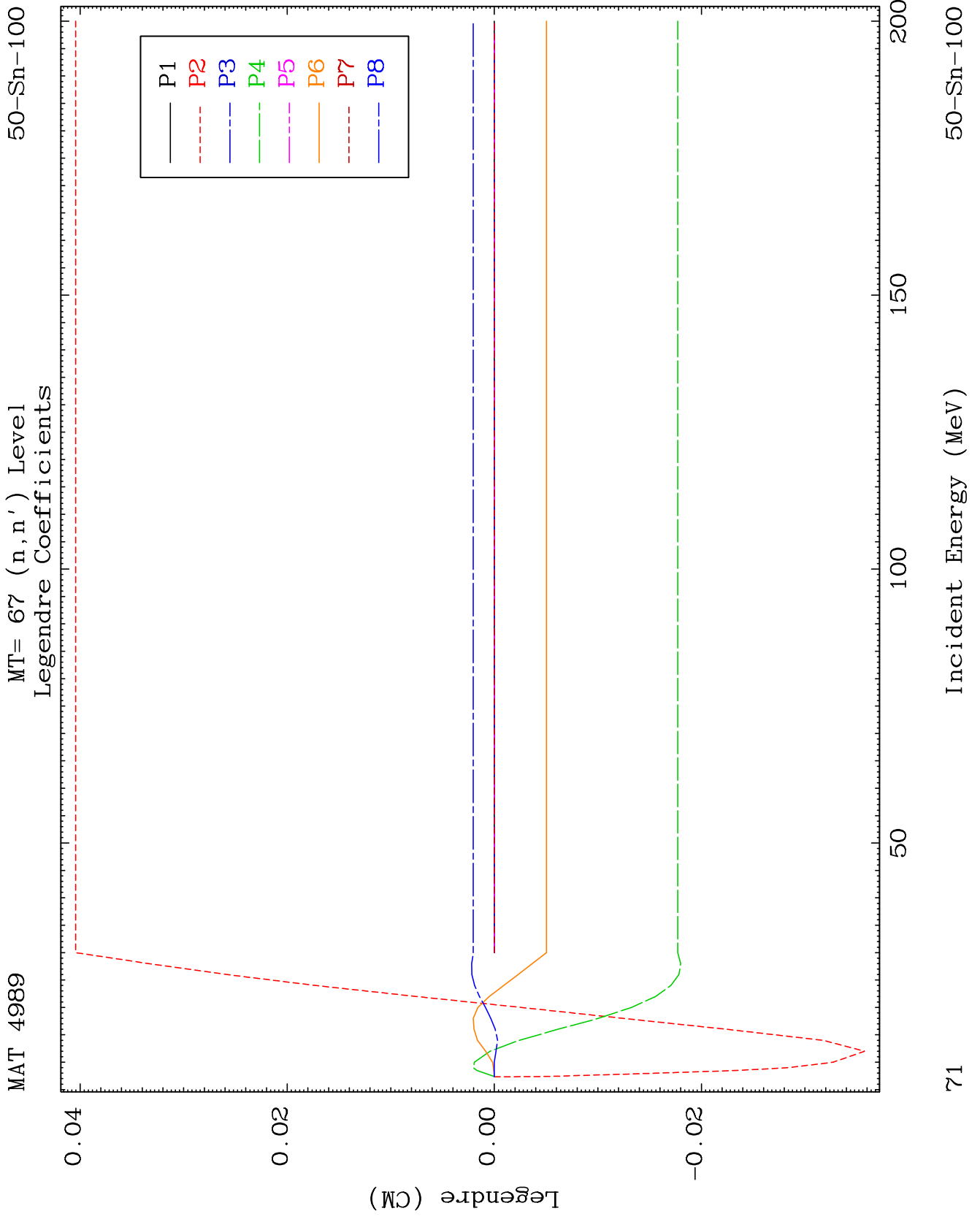


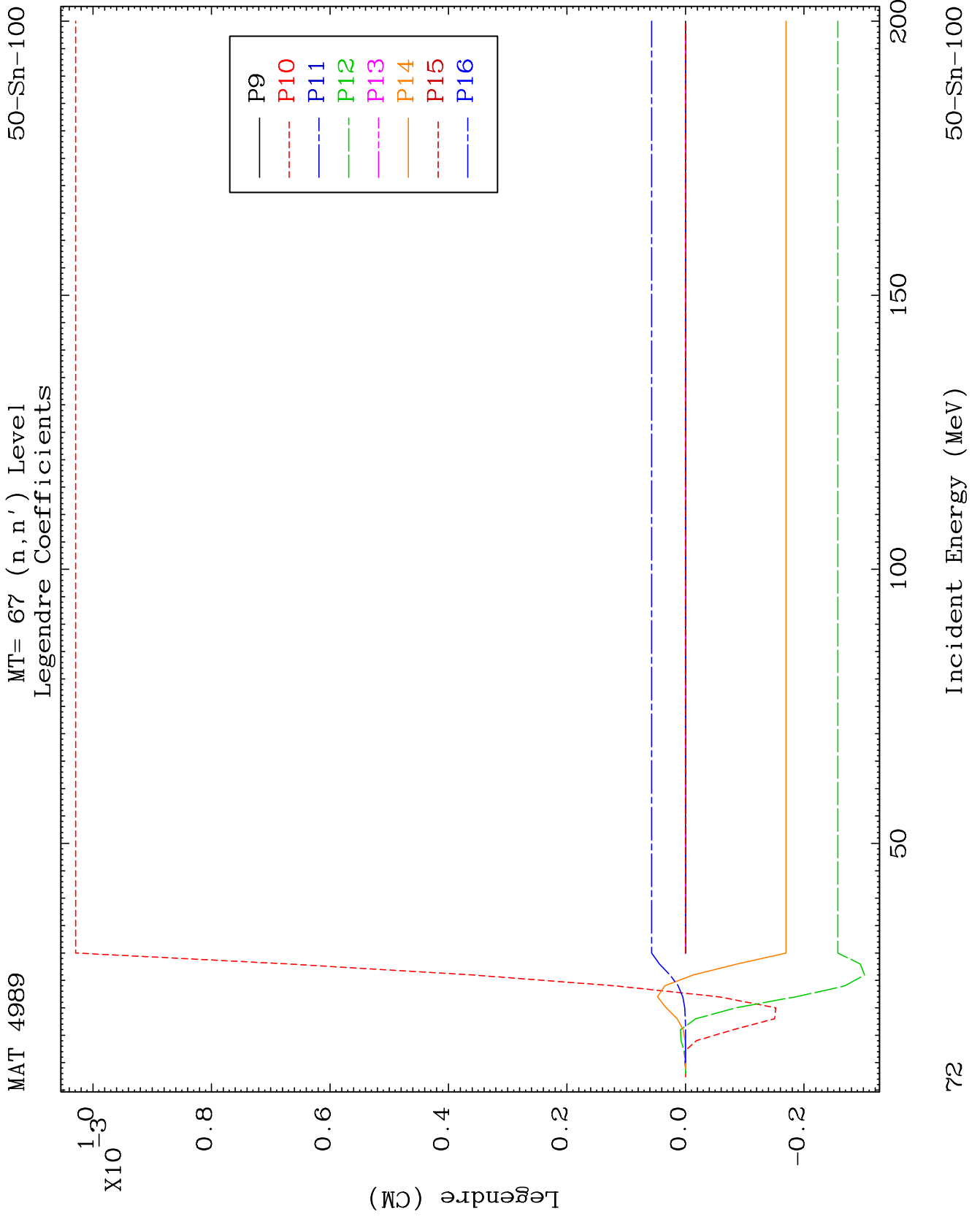


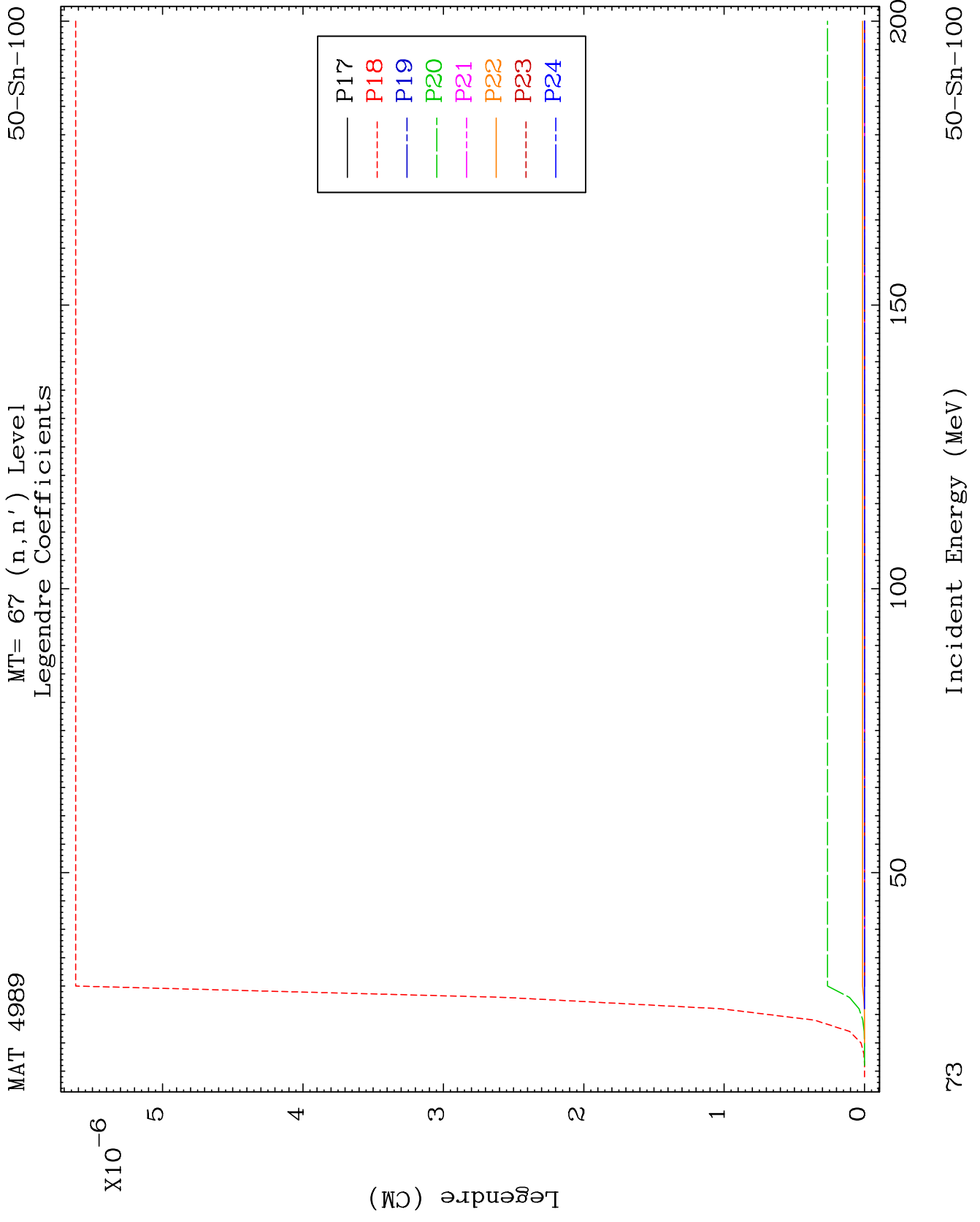


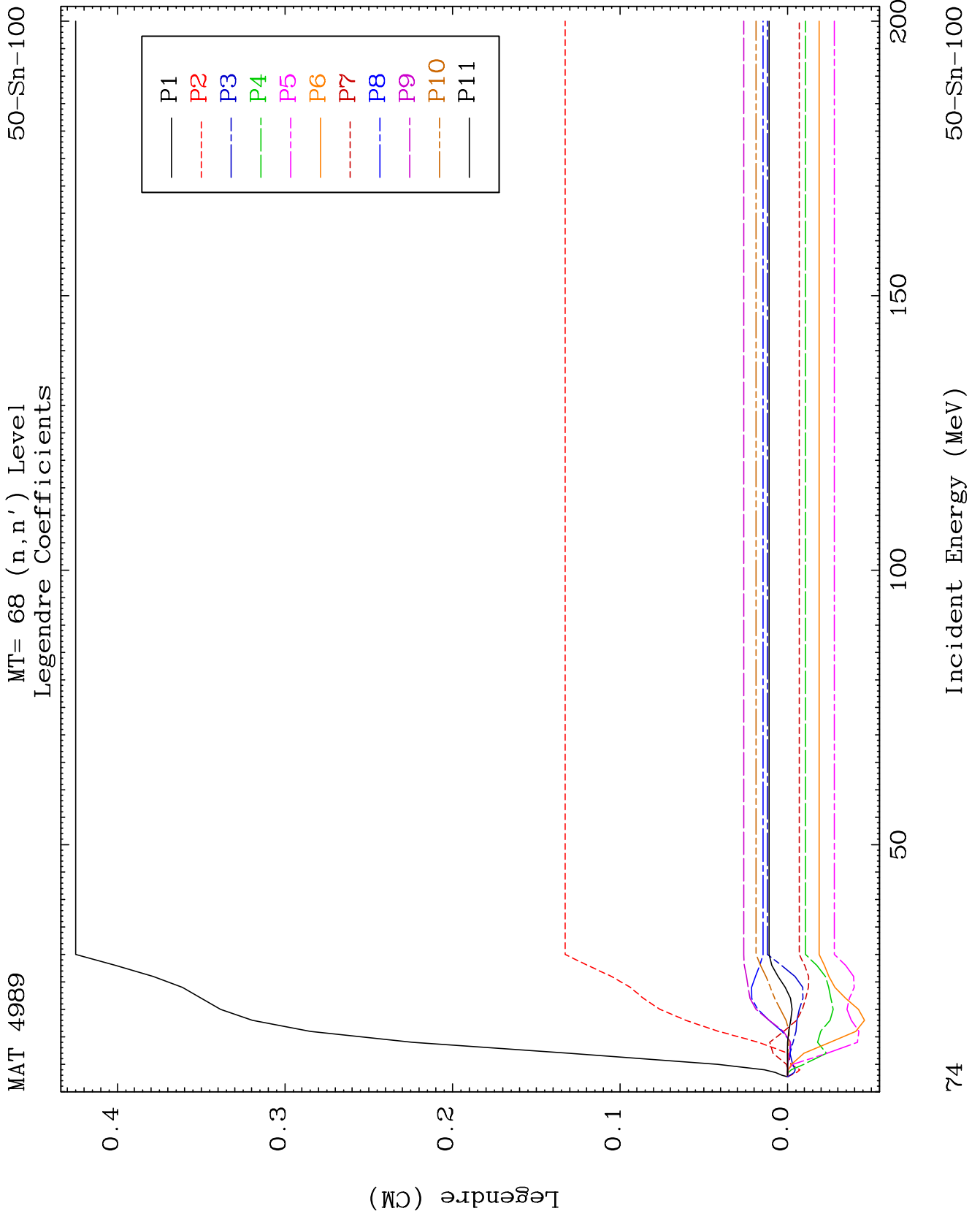








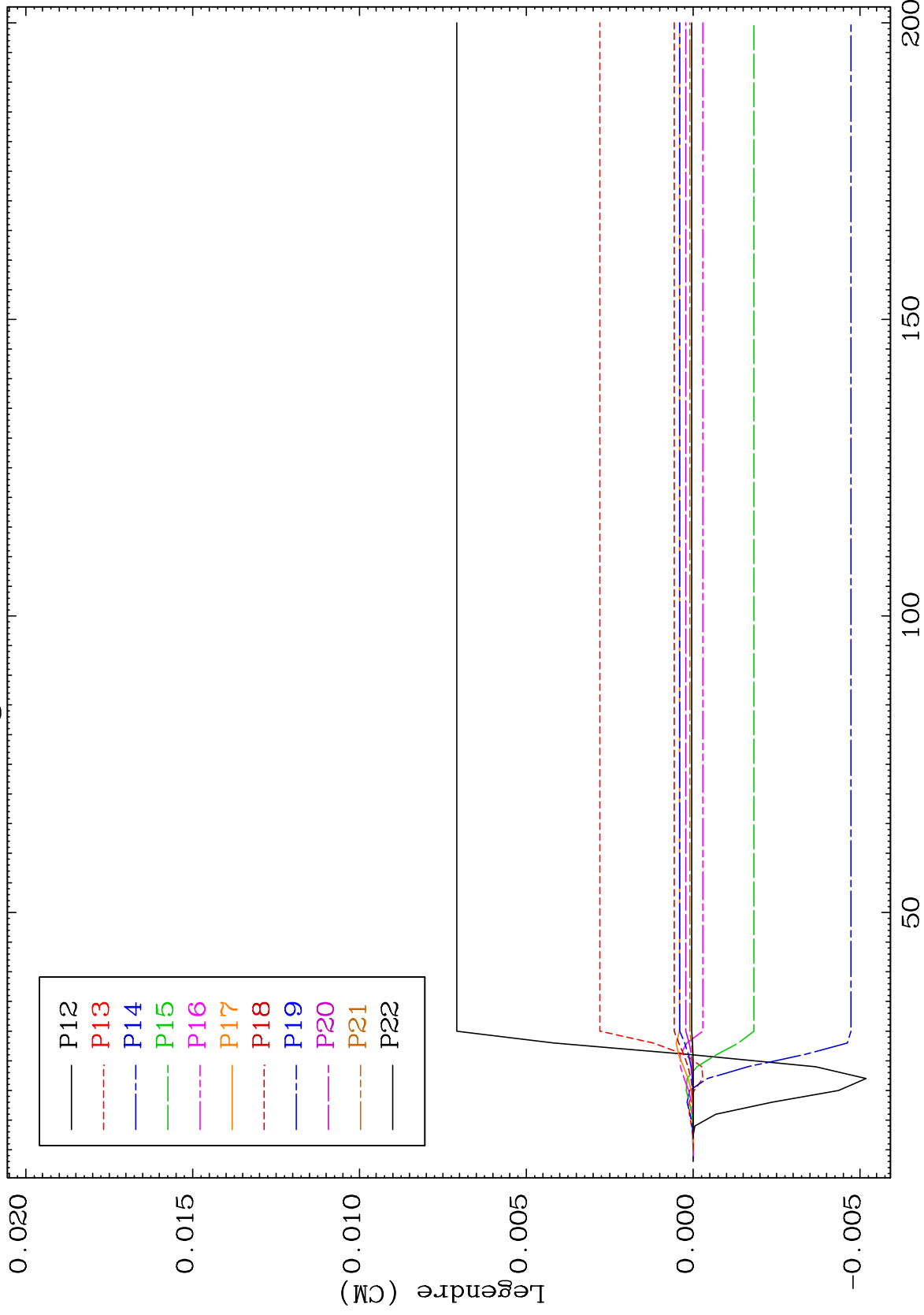




MAT 4989

MT= 68 (n,n') Level  
Legendre Coefficients

50-Sn-100



75

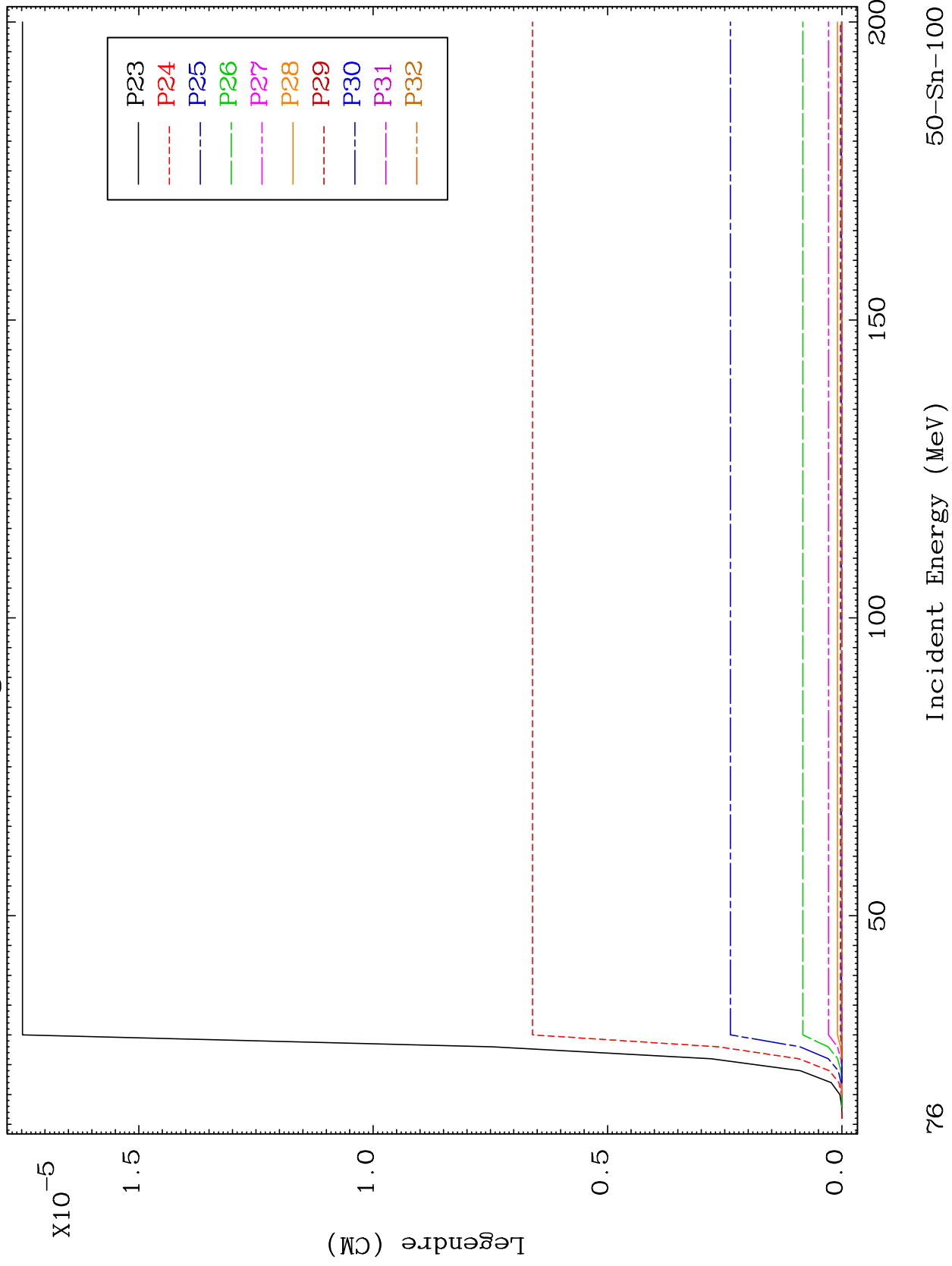
Incident Energy (MeV)

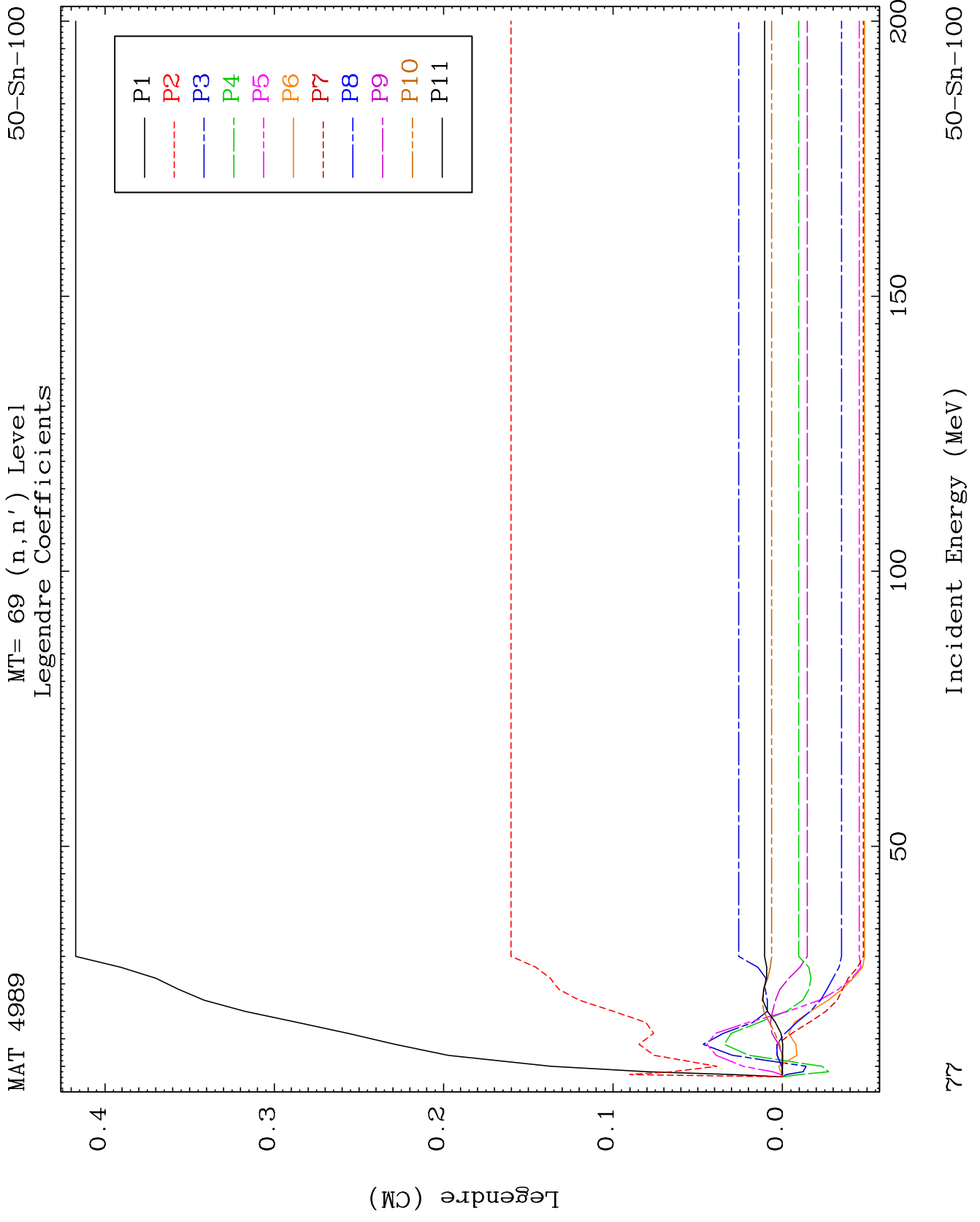
50-Sn-100

MAT 4989

MT= 68 (n,n') Level  
Legendre Coefficients

50-Sn-100

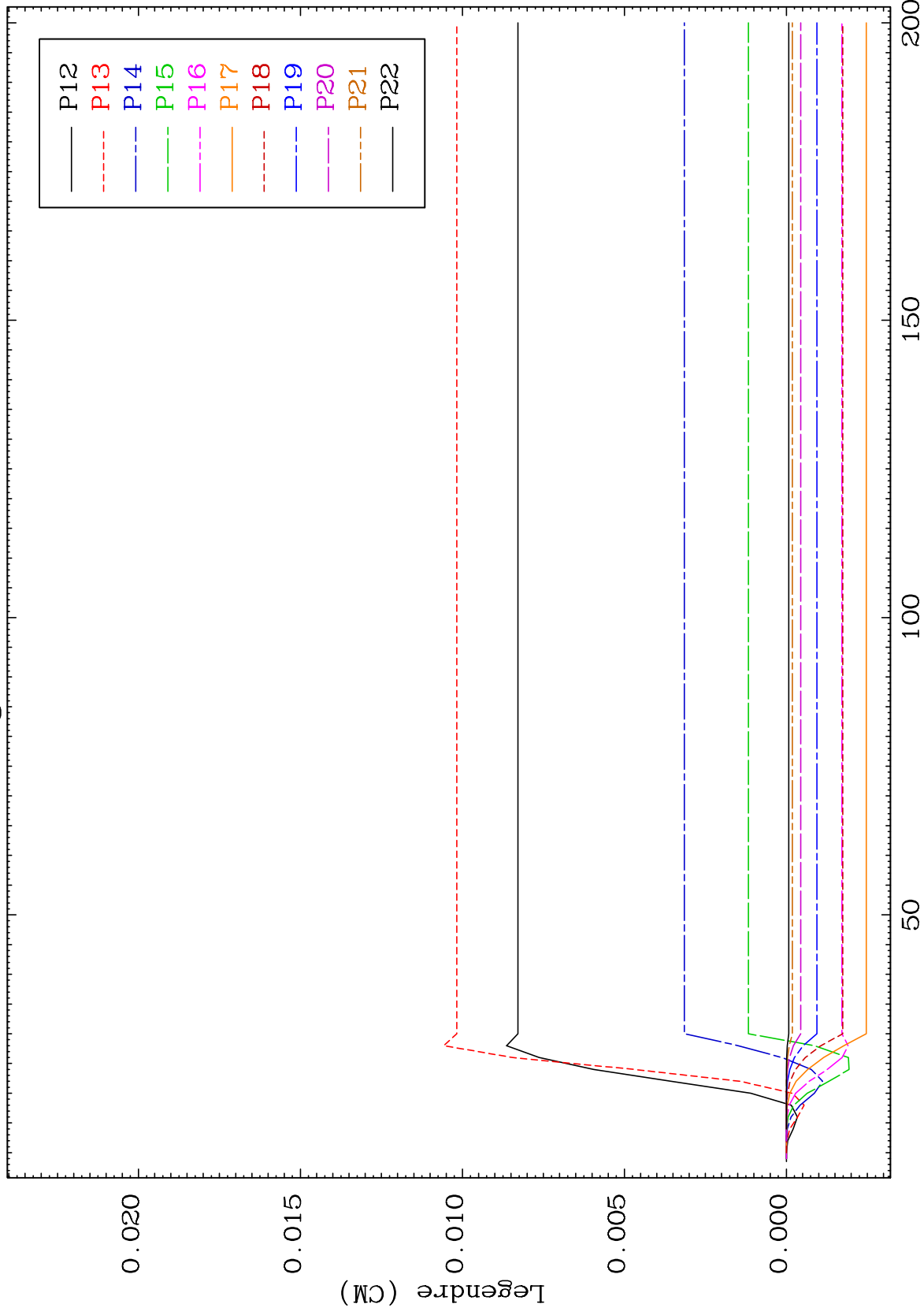




MAT 4989

MT= 69 (n,n') Level  
Legendre Coefficients

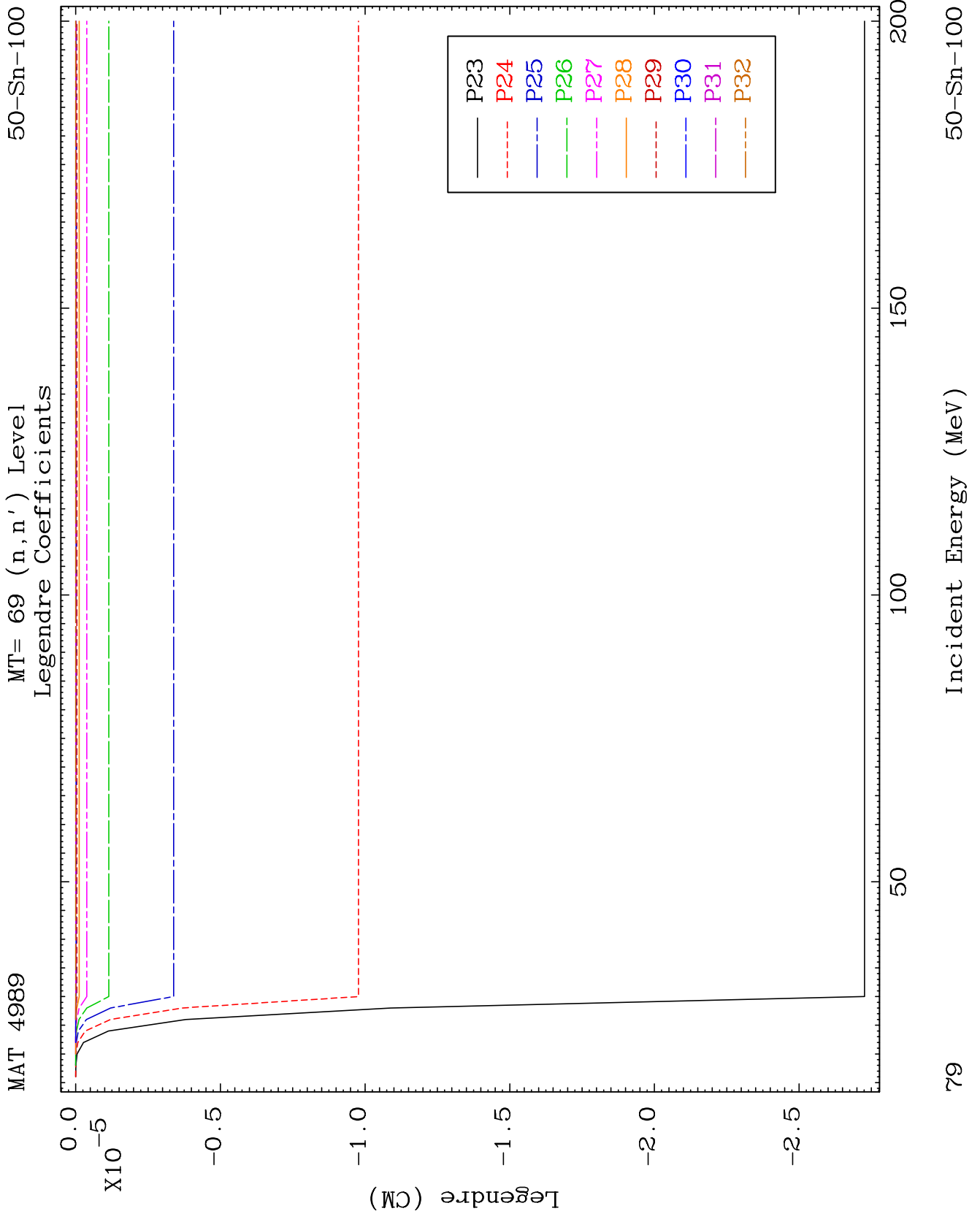
50-Sn-100



78

Incident Energy (MeV)

50-Sn-100

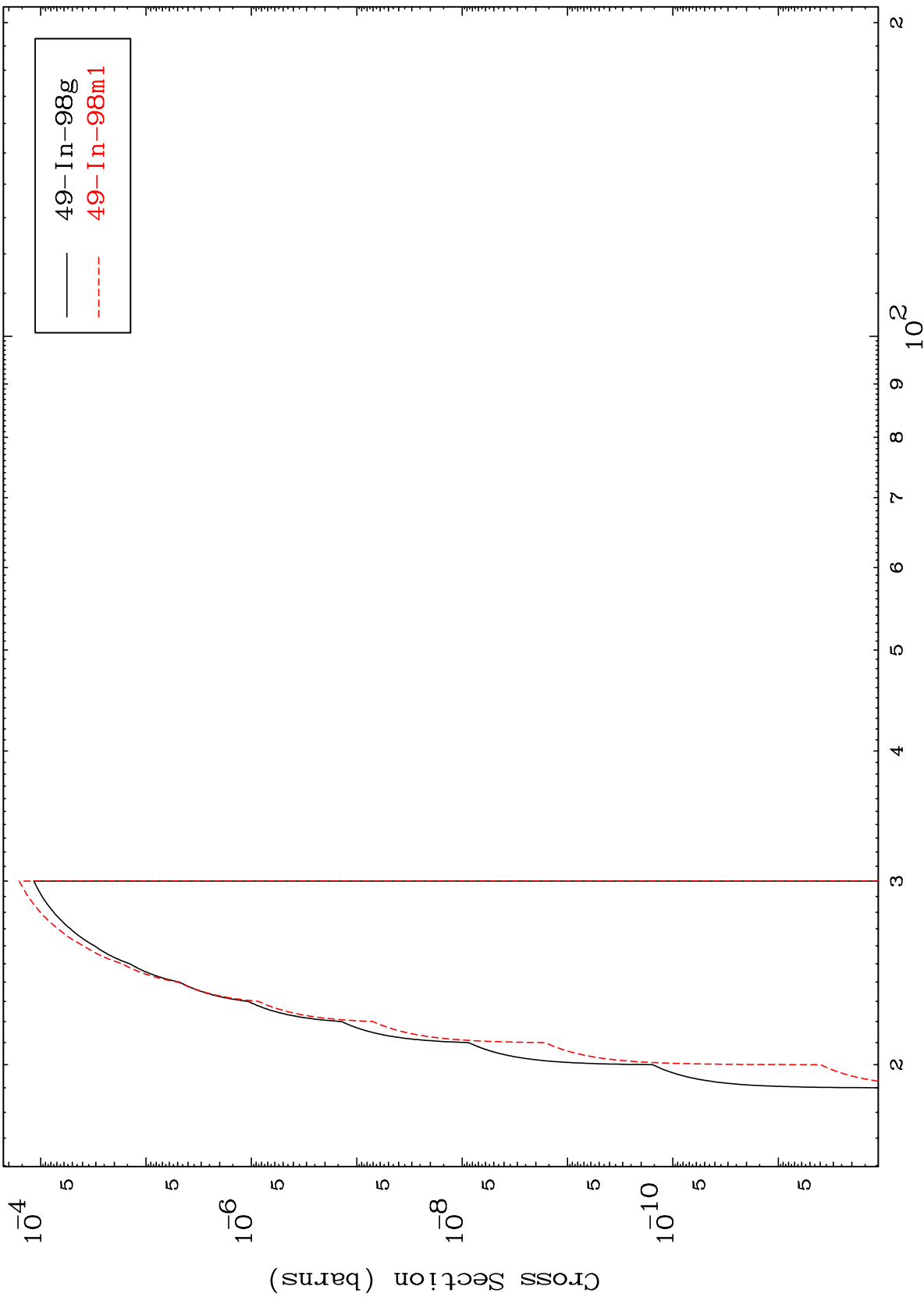


MAT 4989

(n,n') d

50-Sn-100

Radionuclide Production Cross Section



80

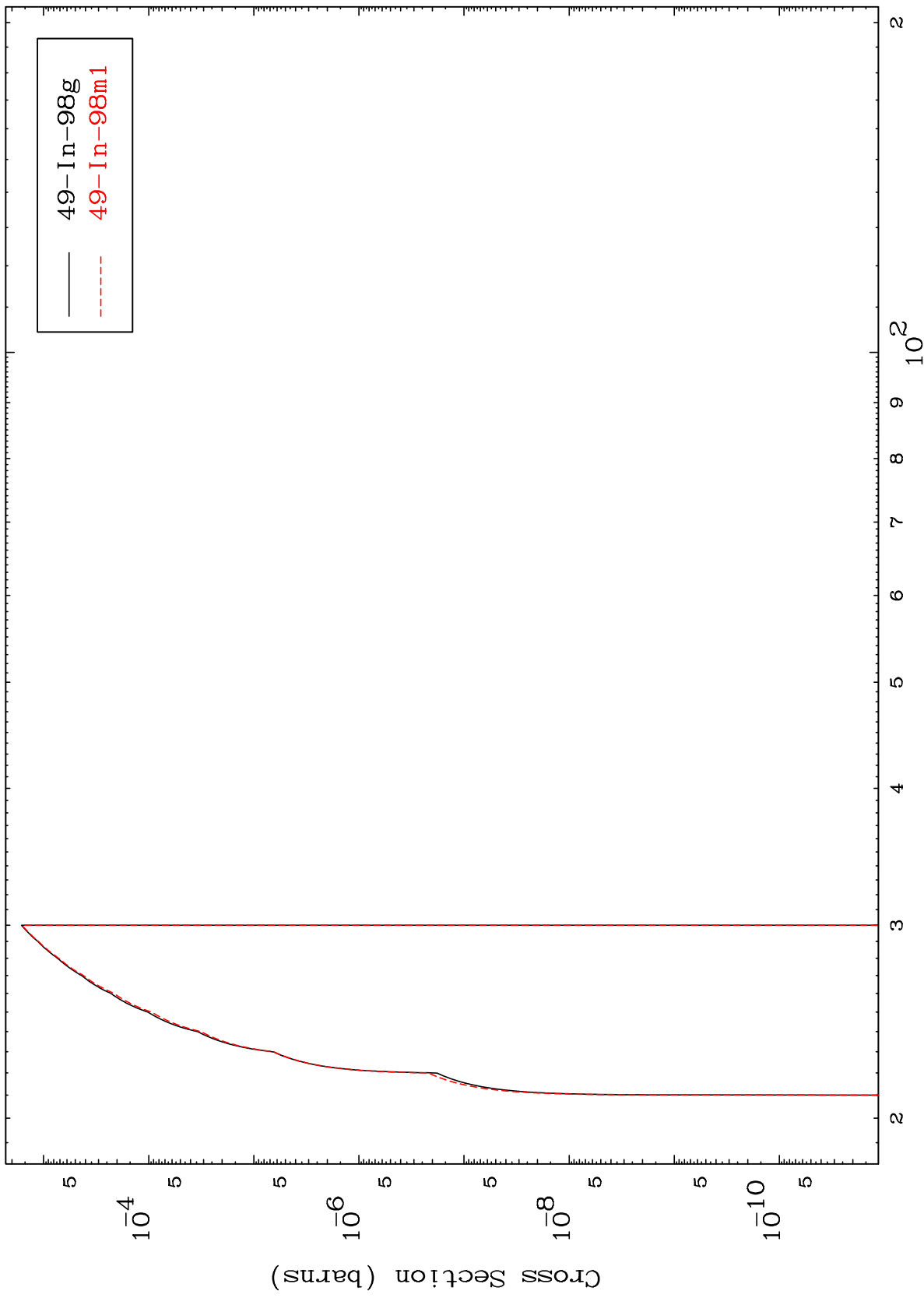
Incident Energy (MeV)

50-Sn-100

MAT 4989

50-Sn-100

(n,2n) p  
Radionuclide Production Cross Section



81

Incident Energy (MeV)

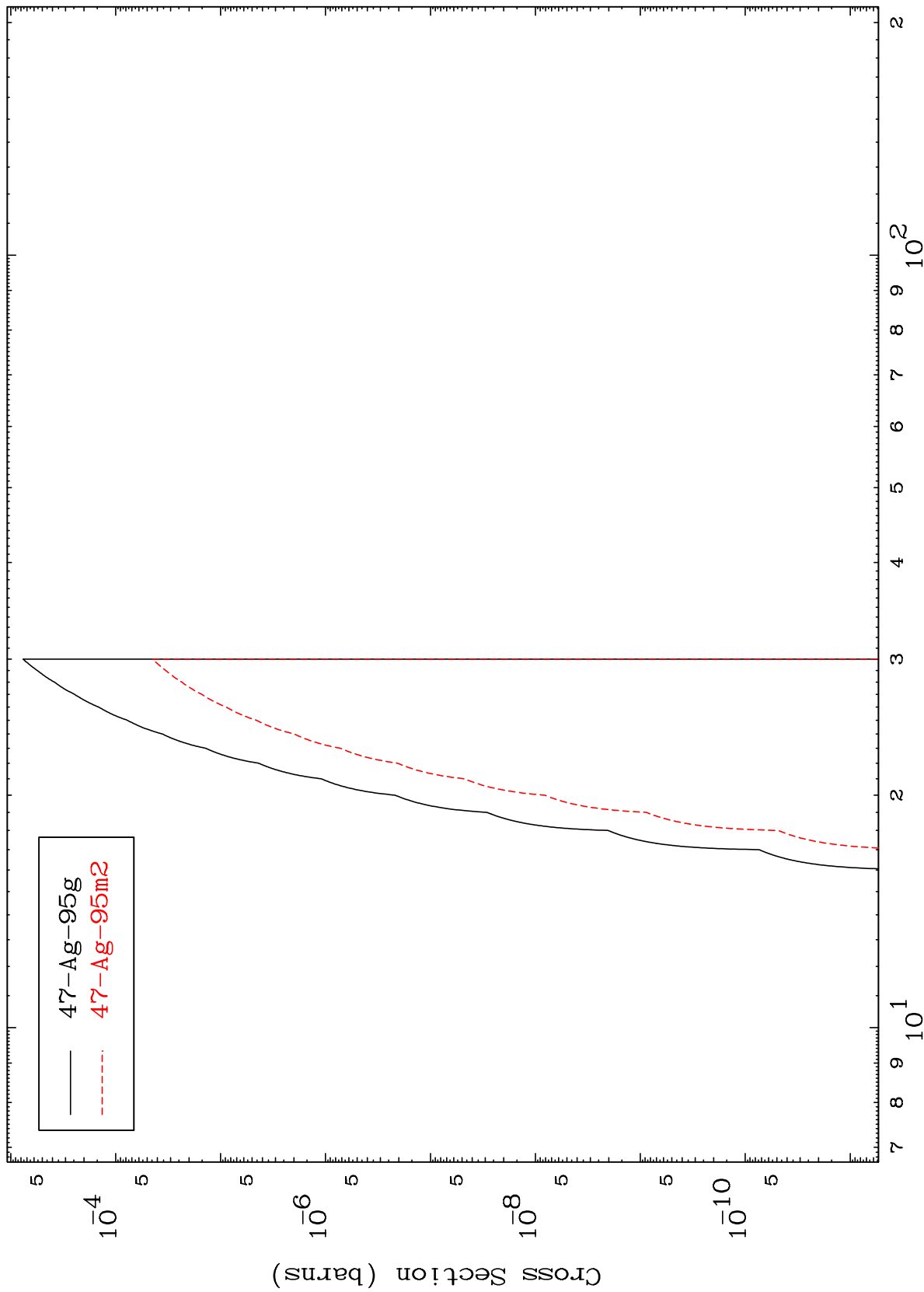
50-Sn-100

MAT 4989

(n,n') p  $\alpha$

50-Sn-100

Radionuclide Production Cross Section



— 47-Ag-95g  
- - - 47-Ag-95m2

82

Incident Energy (MeV)

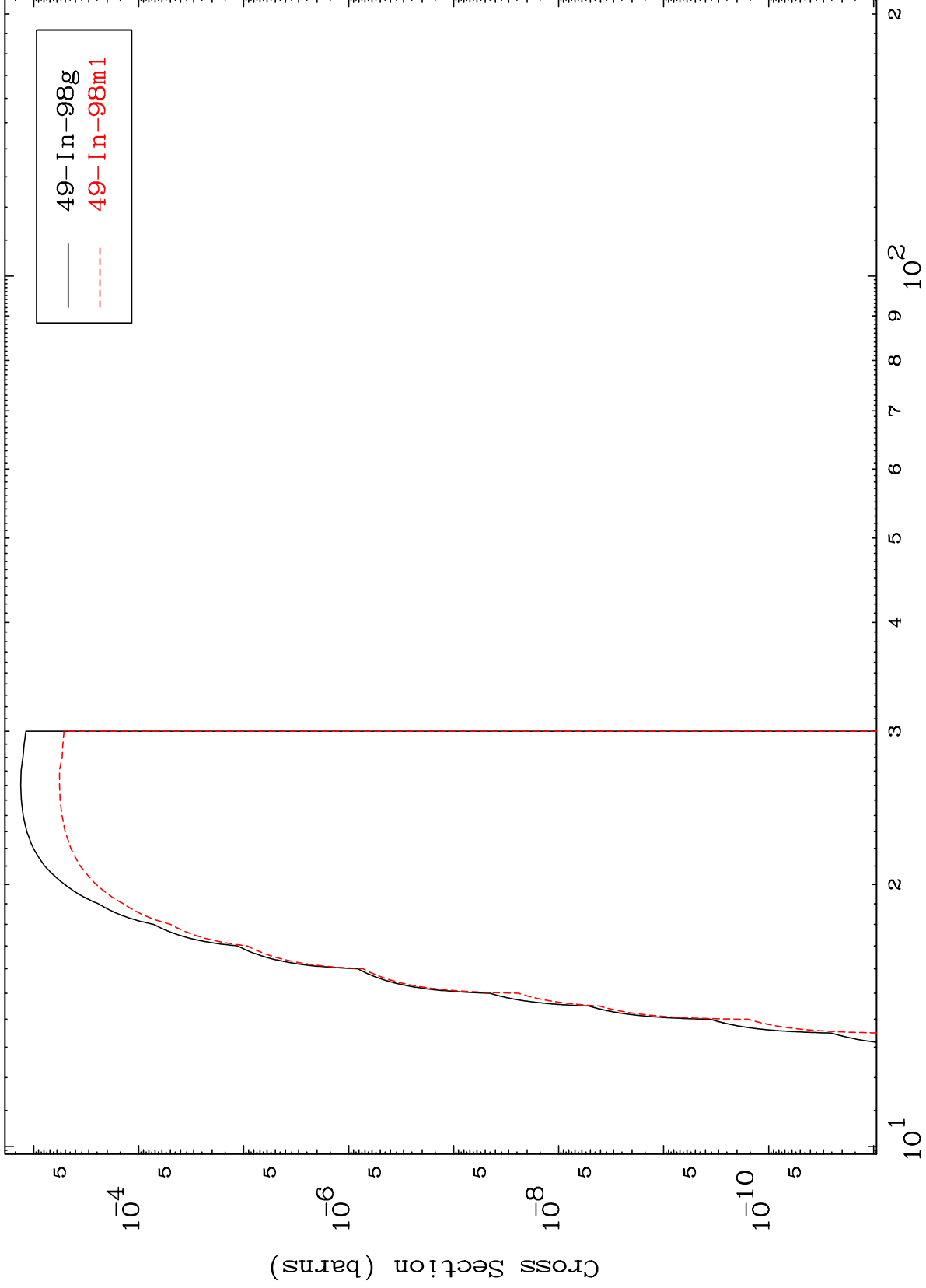
50-Sn-100

MAT 4989

(n, t)

50-Sn-100

Radionuclide Production Cross Section



83

Incident Energy (MeV)

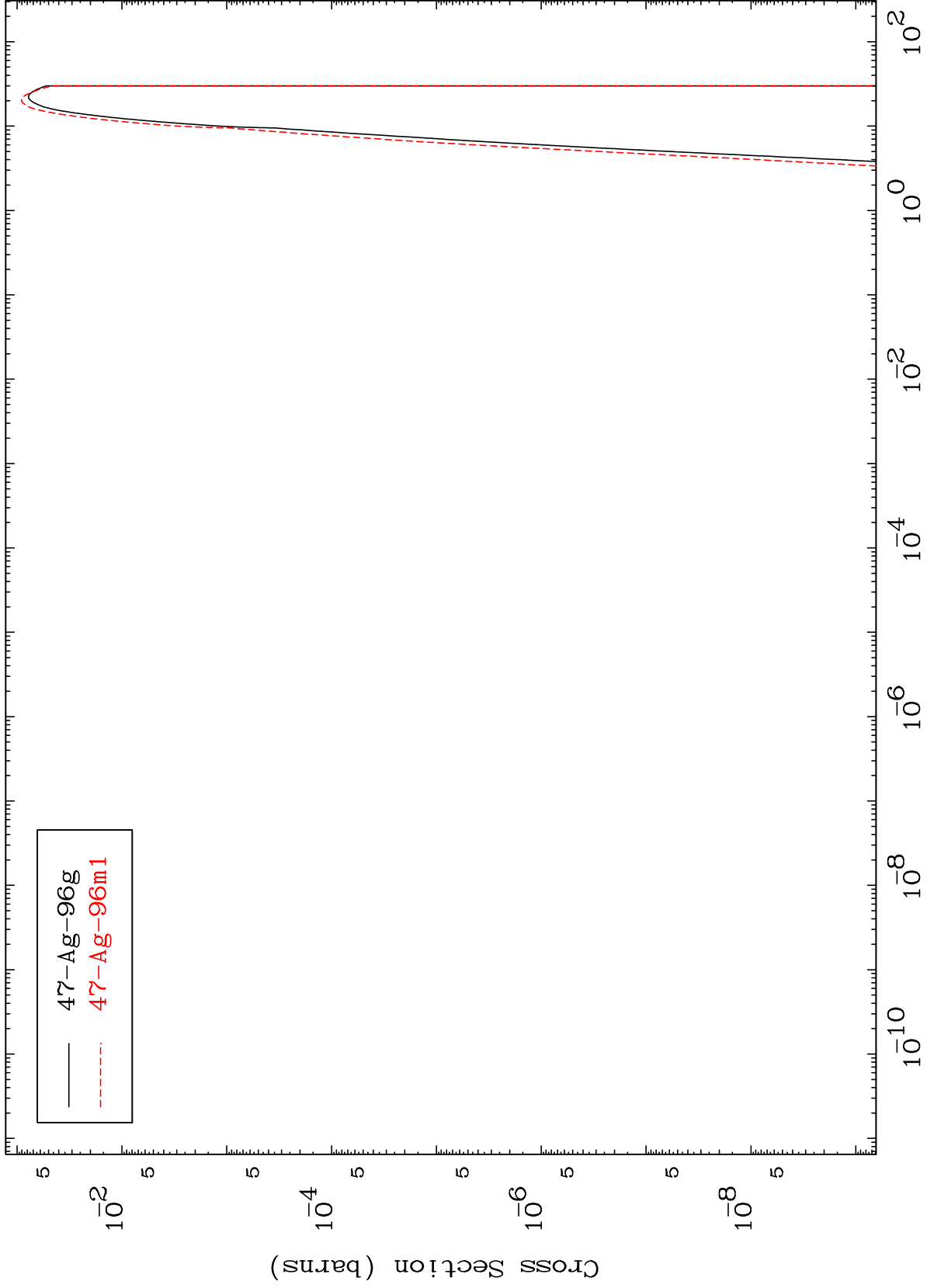
50-Sn-100

MAT 4989

(n,p)  $\alpha$

50-Sn-100

Radionuclide Production Cross Section



84

Incident Energy (MeV)

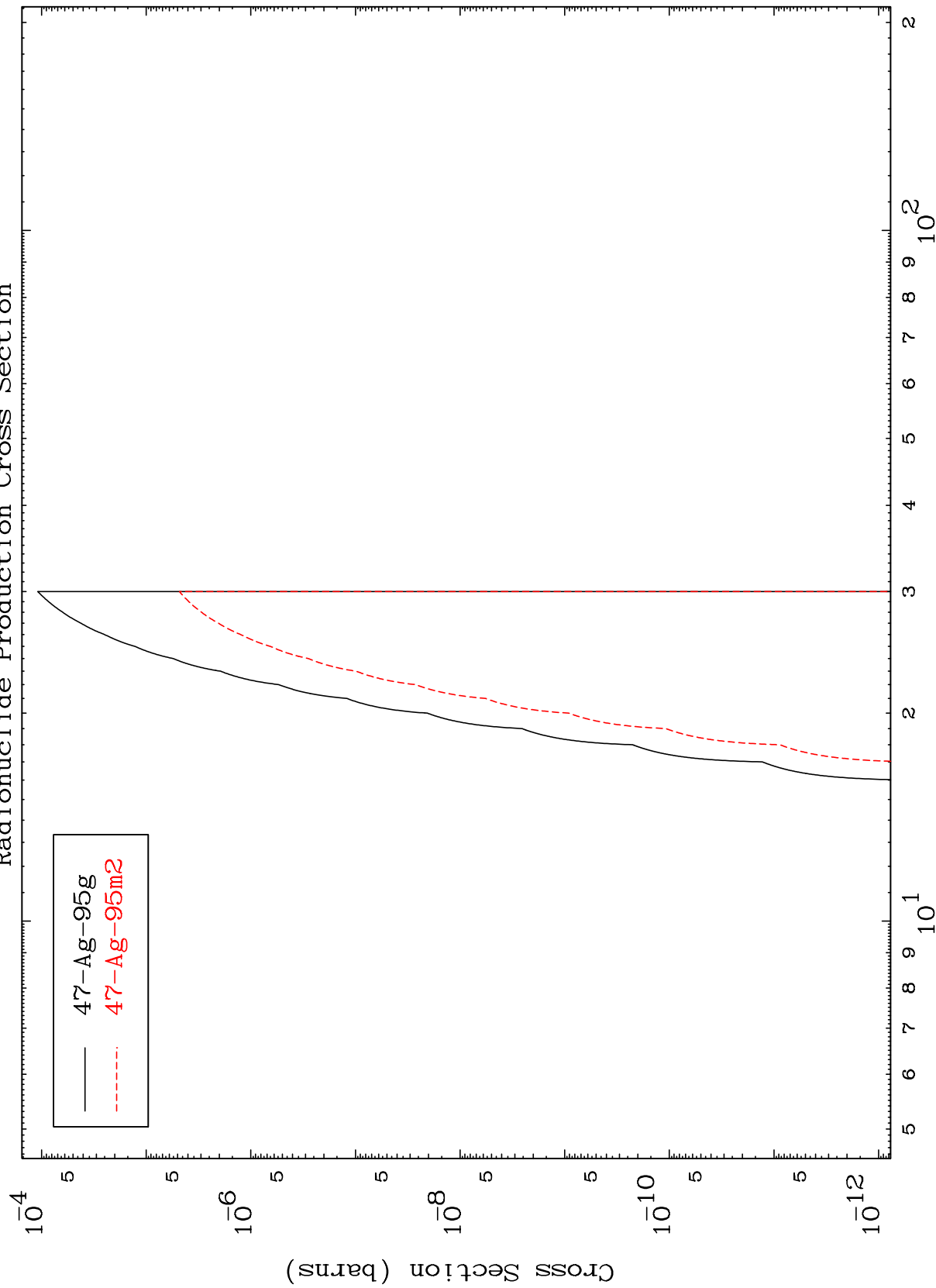
50-Sn-100

MAT 4989

50-Sn-100

(n,d)  $\alpha$

Radionuclide Production Cross Section



85

Incident Energy (MeV)

50-Sn-100