

Program EVALPLOT  
(Version 2015-2)

by

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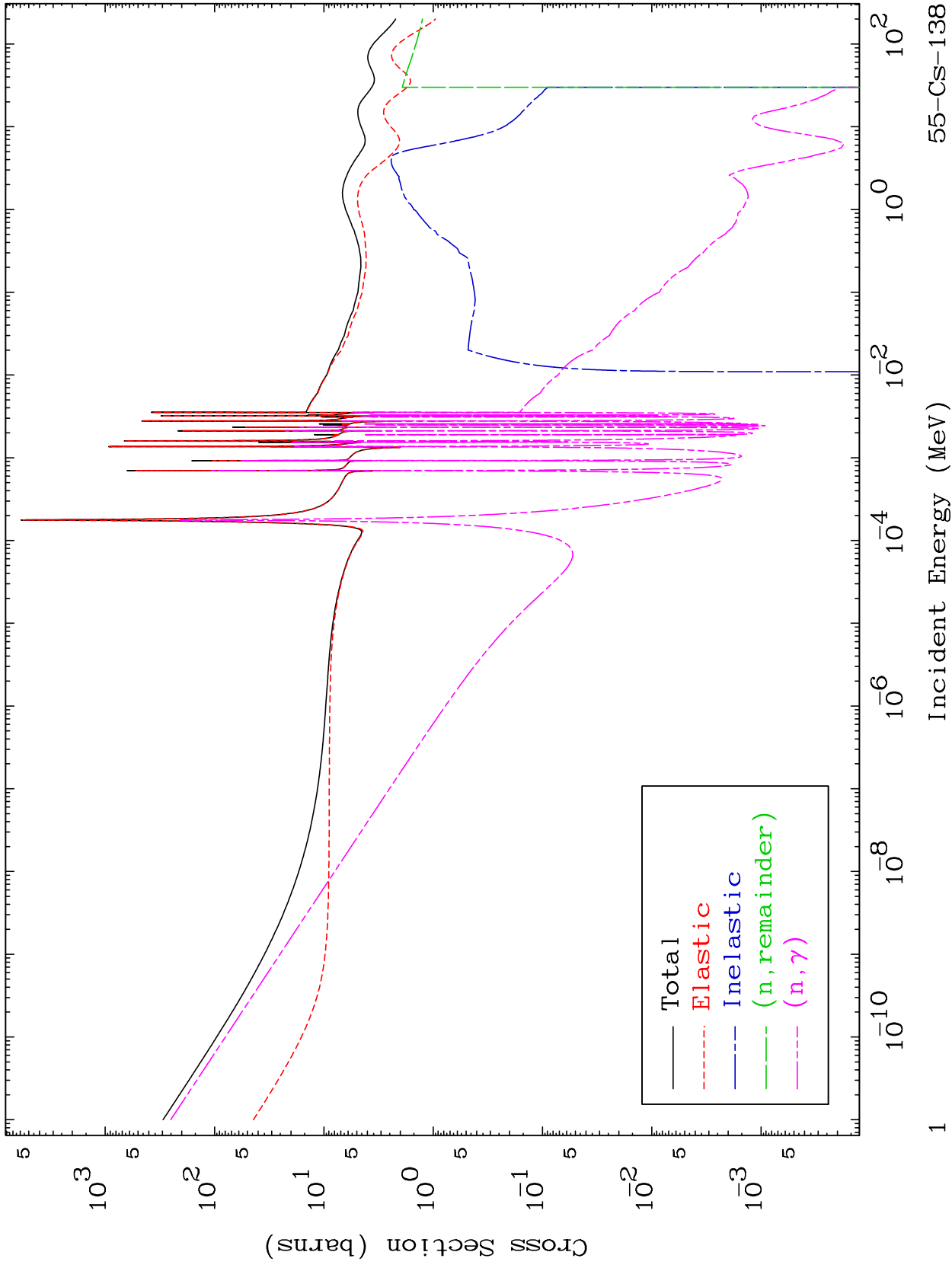
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5540

Major  
293 Kelvin Cross Sections

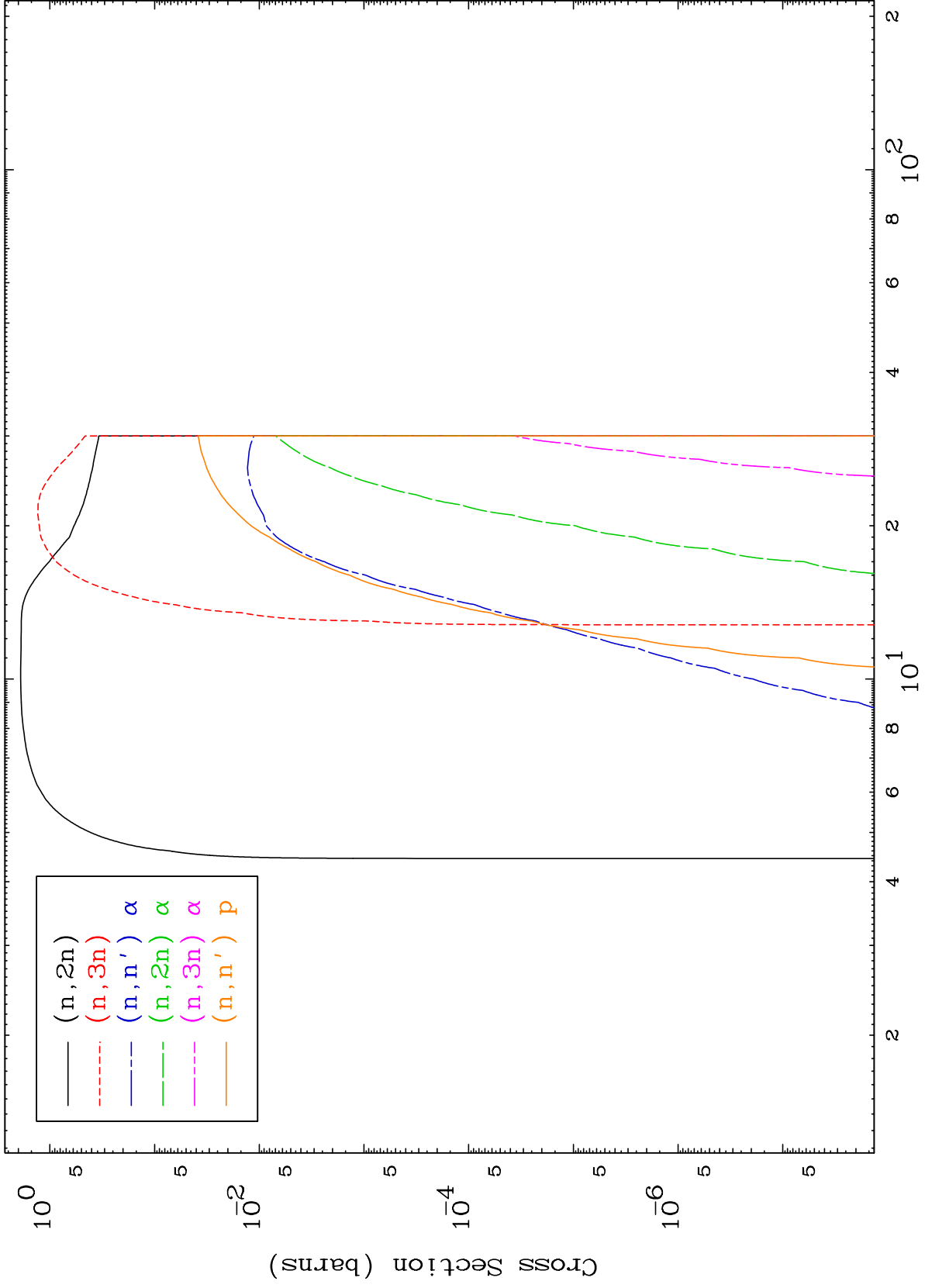
55-Cs-138



MAT 5540

Neutron Production  
293 Kelvin Cross Sections

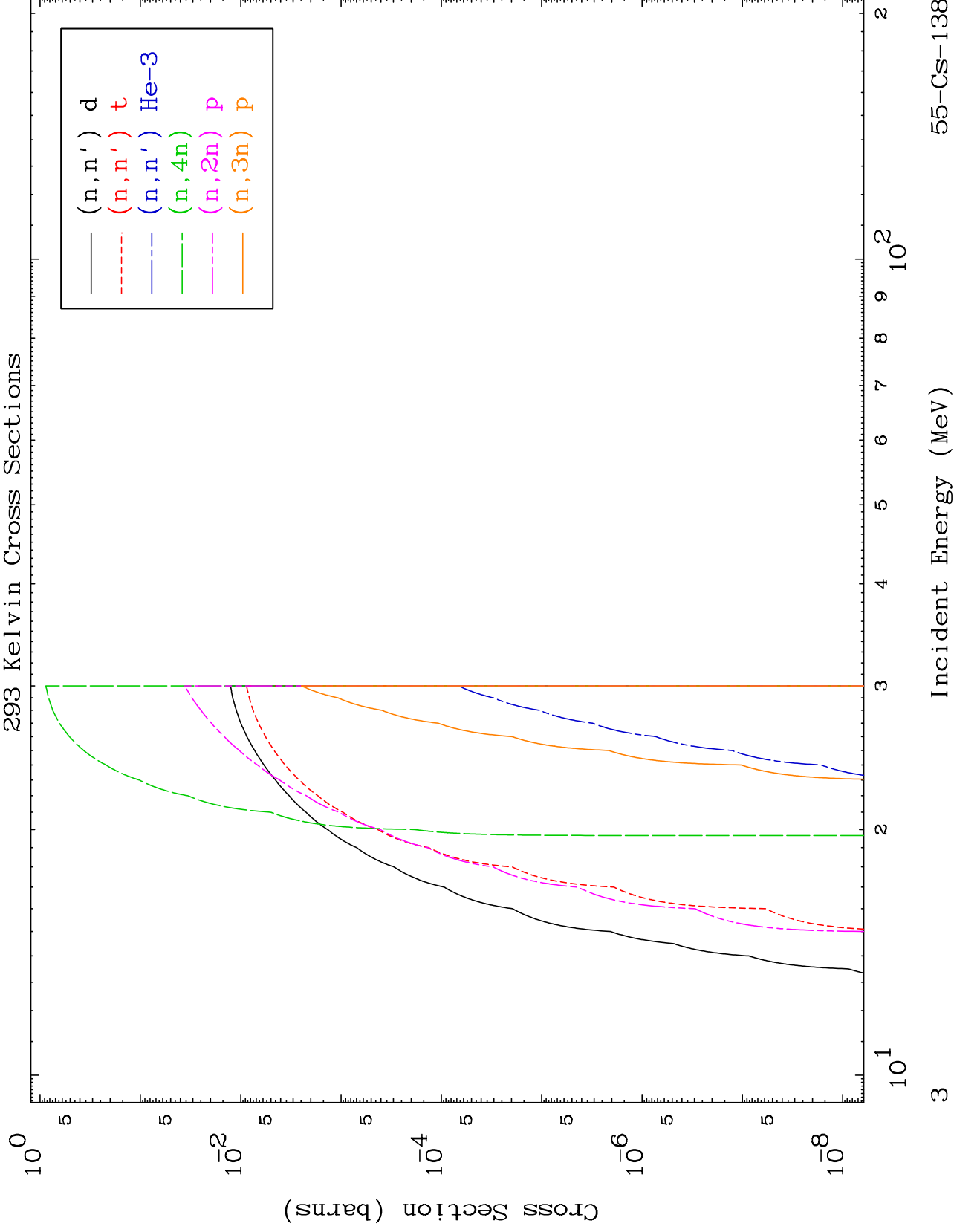
55-Cs-138



MAT 5540

Neutron Production  
293 Kelvin Cross Sections

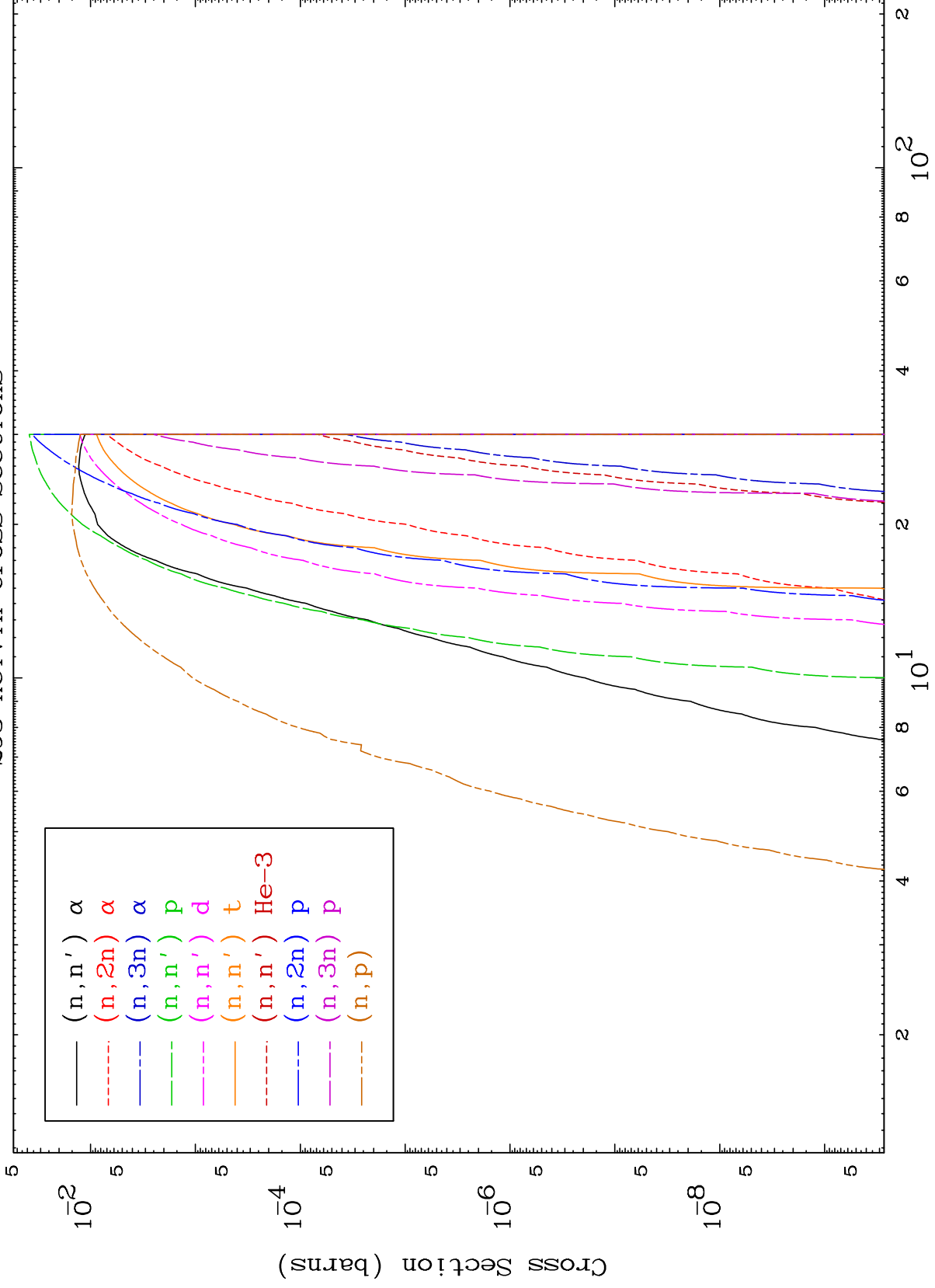
55-Cs-138



55-Cs-138

Incident Energy (MeV)

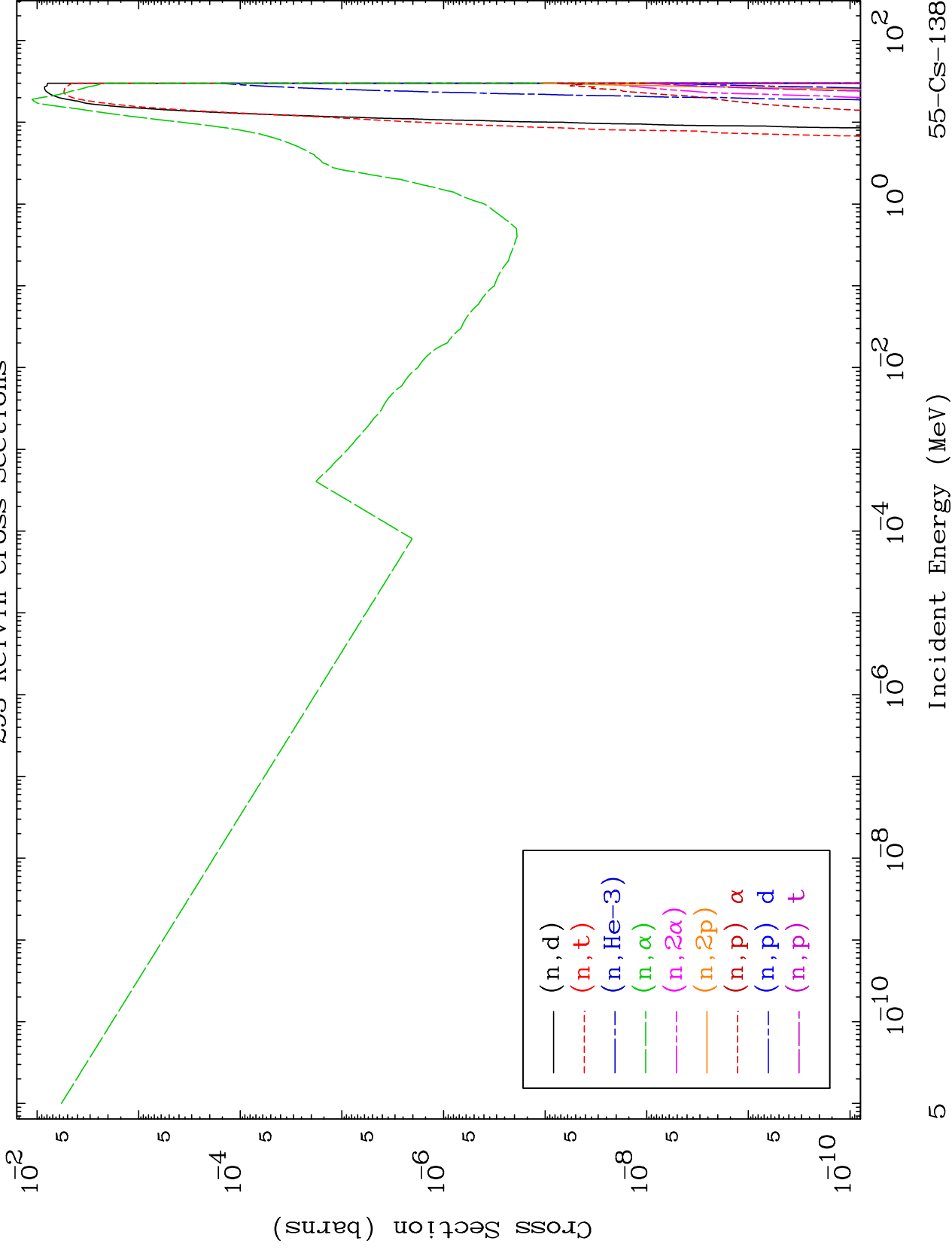
3



MAT 5540

Charged Particle  
293 Kelvin Cross Sections

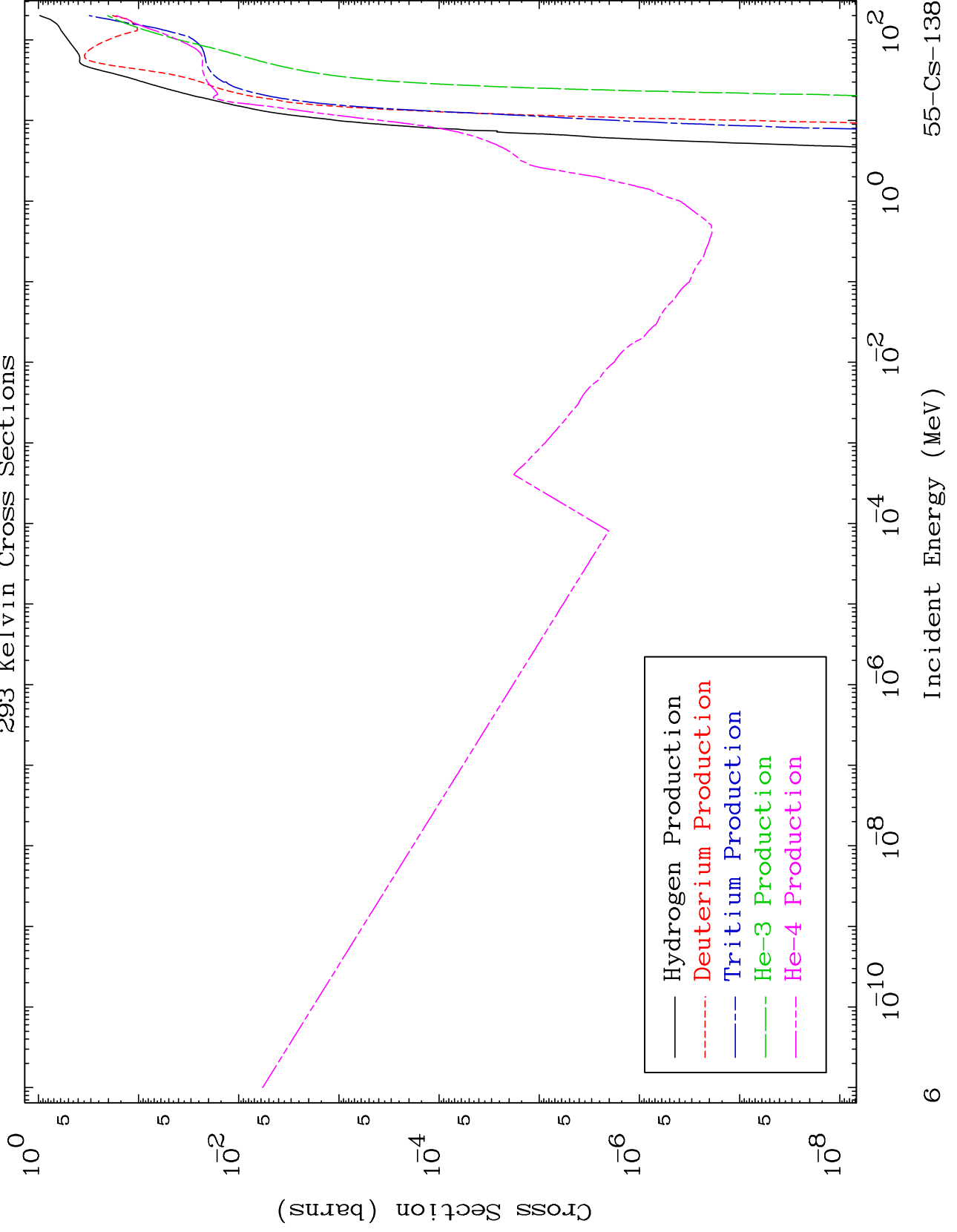
55-Cs-138



MAT 5540

Particle Production  
293 Kelvin Cross Sections

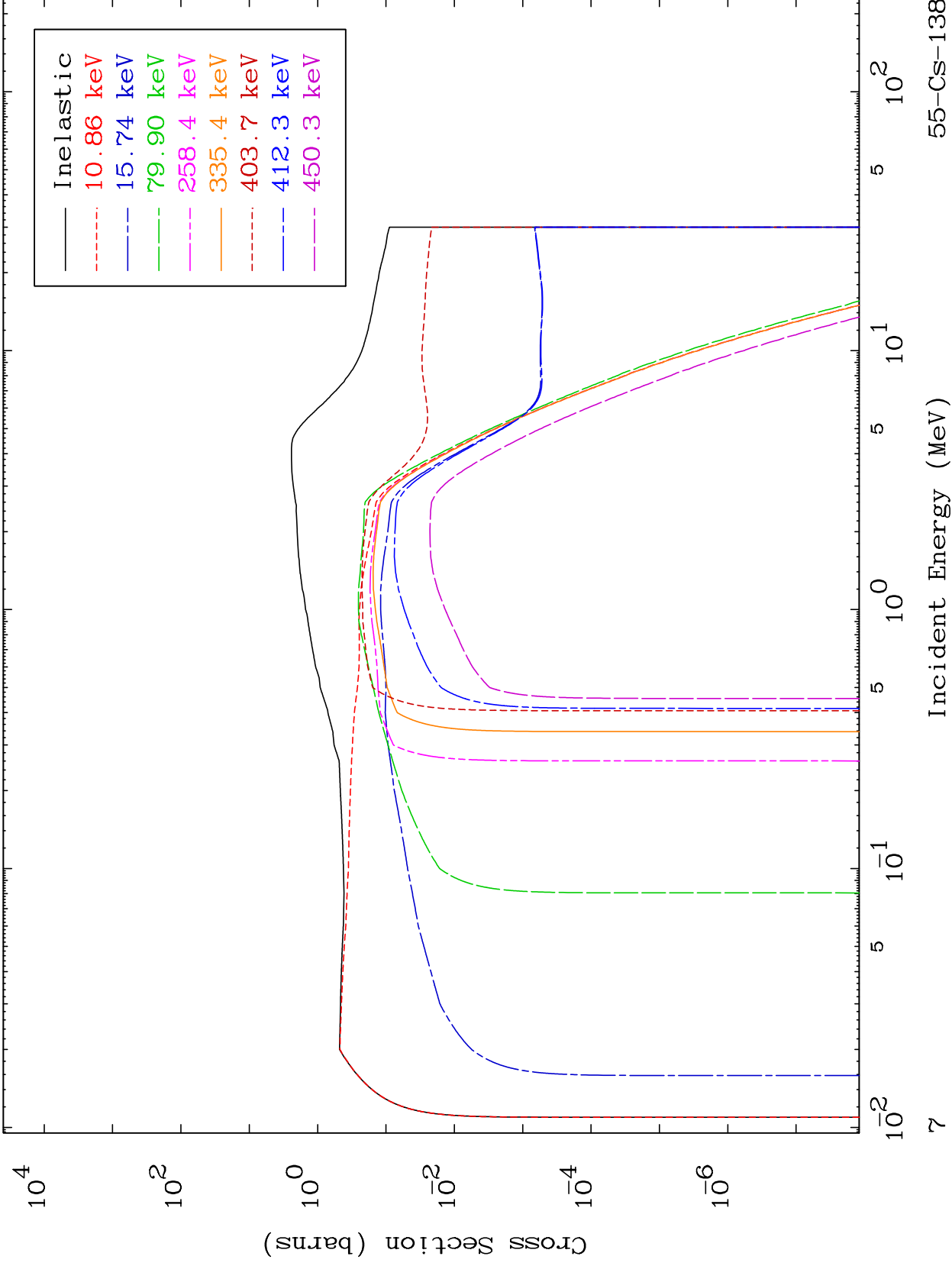
55-Cs-138



MAT 5540

(n,n') Level  
293 Kelvin Cross Sections

55-Cs-138



55-Cs-138

7

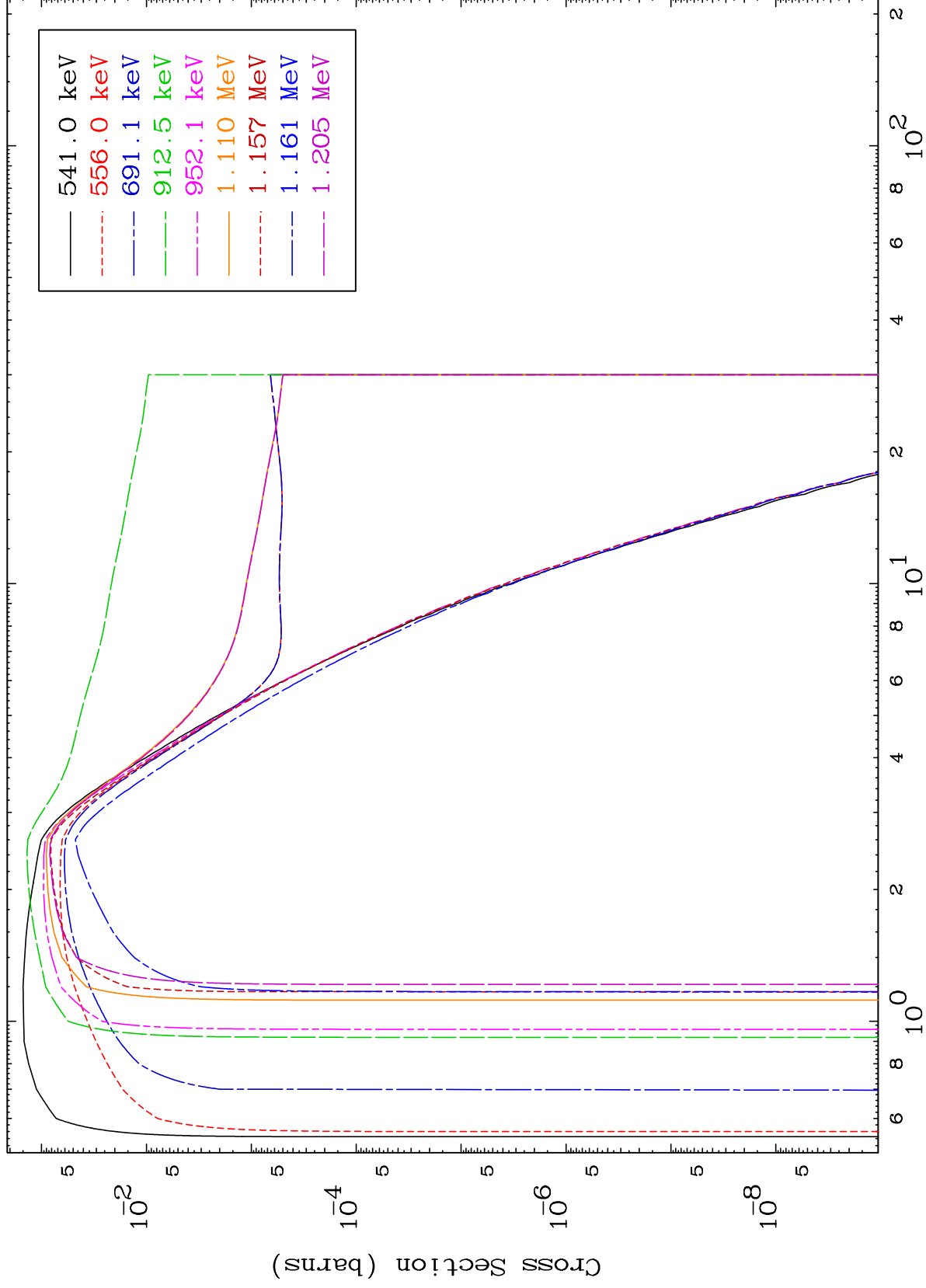


MAT 5540

(n,n') Level

55-Cs-138

293 Kelvin Cross Sections



8

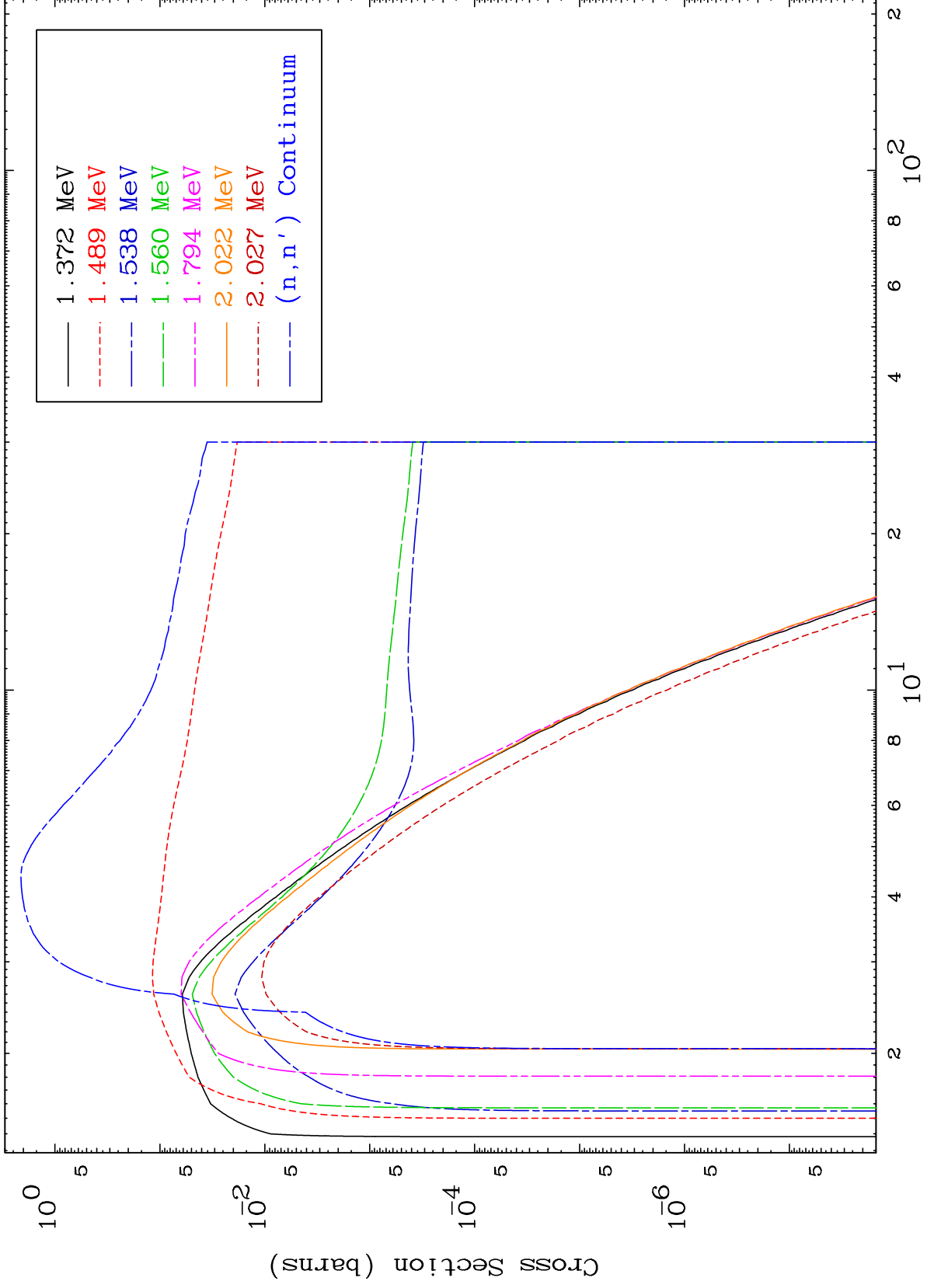
Incident Energy (MeV)

55-Cs-138

MAT 5540

(n,n') Level  
293 Kelvin Cross Sections

55-Cs-138



9

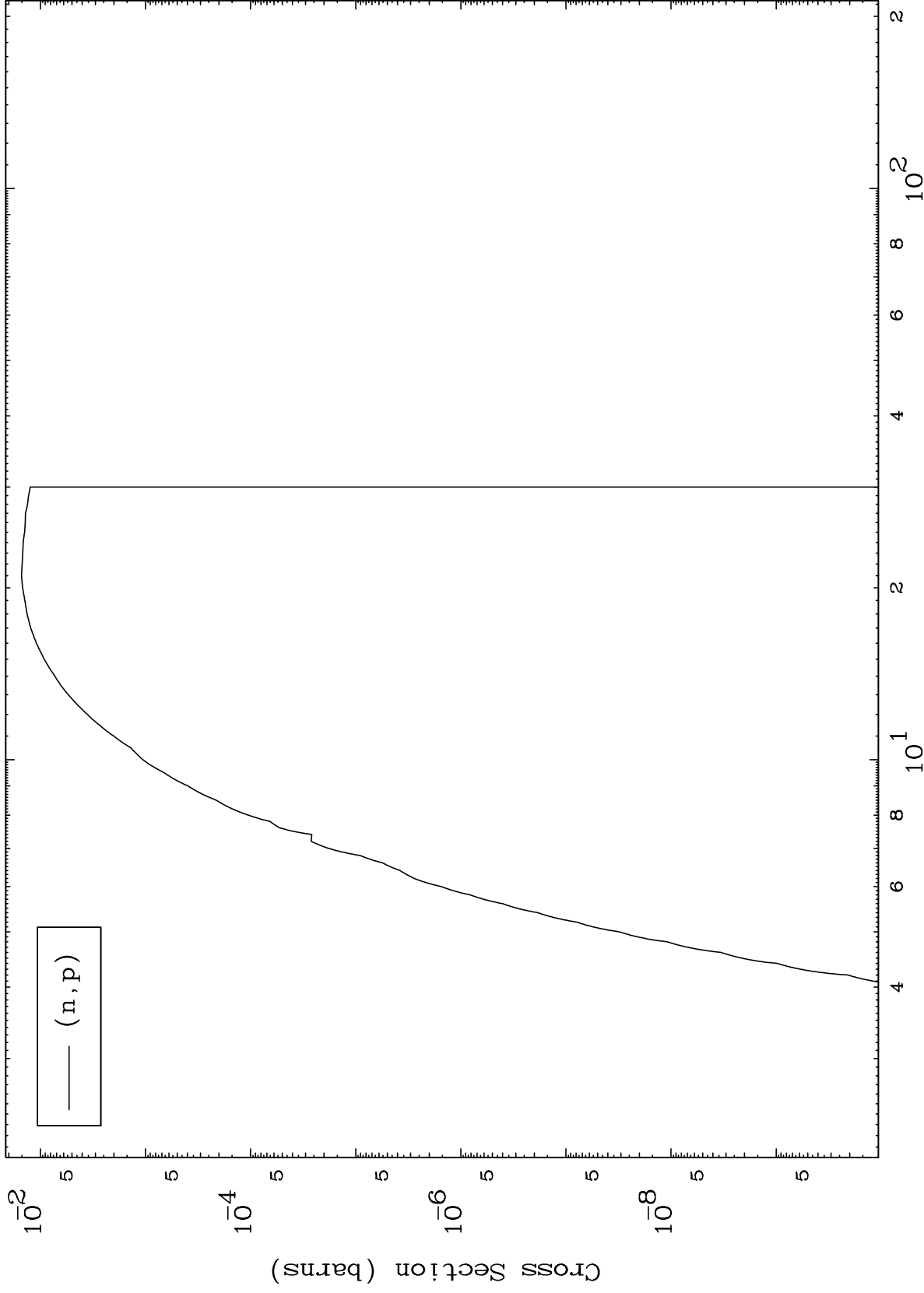
Incident Energy (MeV)

55-Cs-138

MAT 5540

(n,p) Levels  
293 Kelvin Cross Sections

55-Cs-138



10

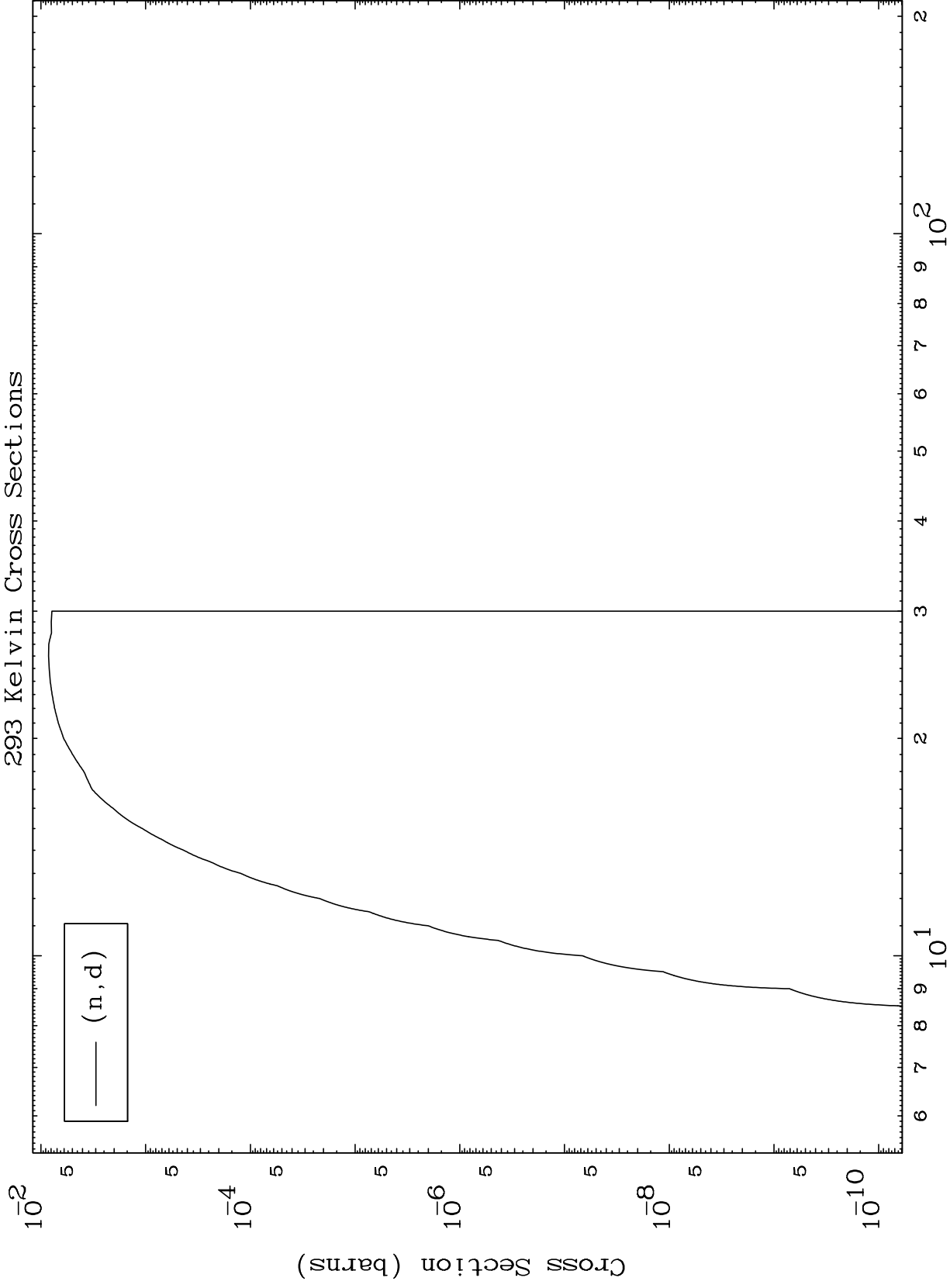
Incident Energy (MeV)

55-Cs-138

MAT 5540

(n,d) Levels  
293 Kelvin Cross Sections

55-Cs-138



11

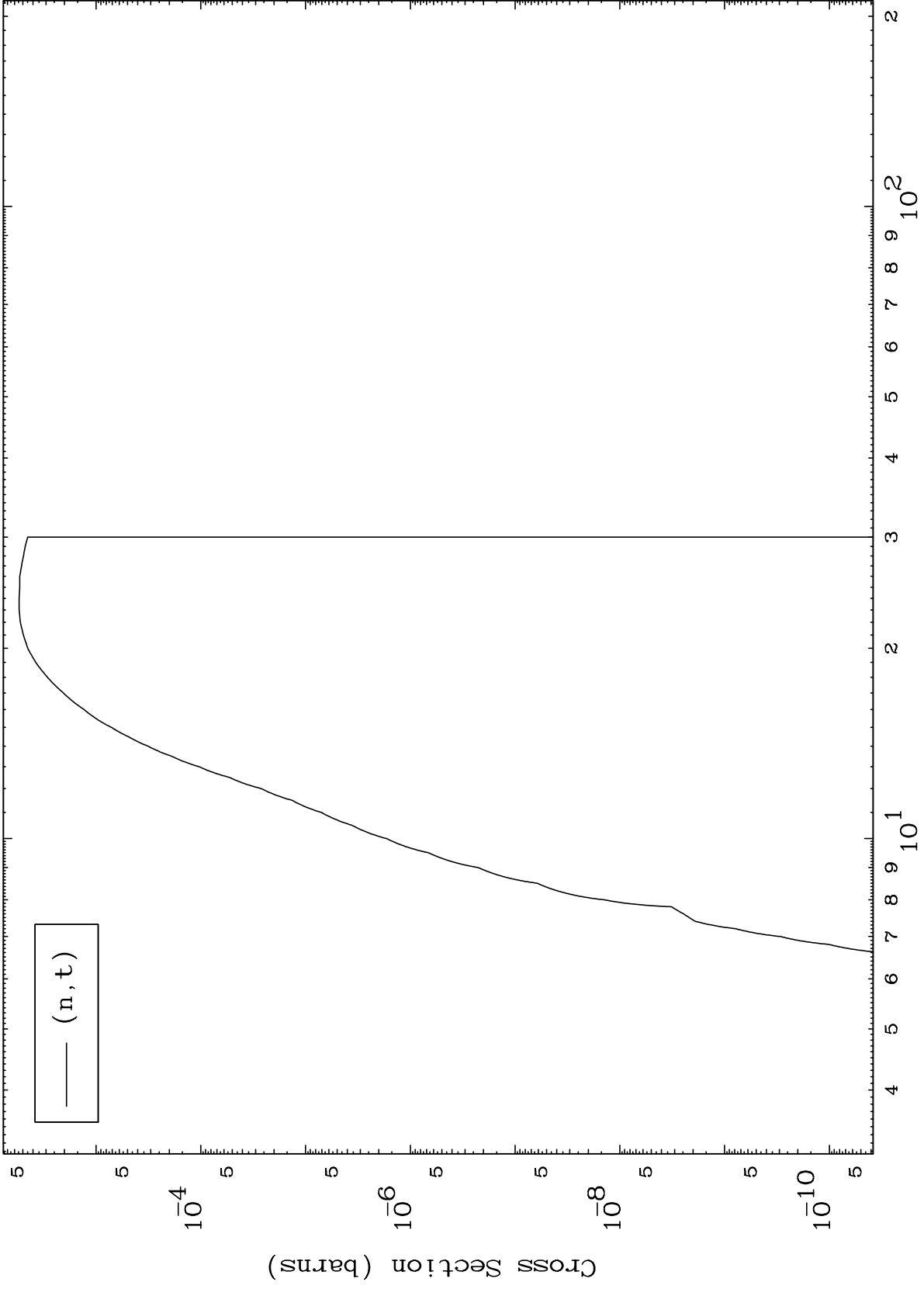
Incident Energy (MeV)

55-Cs-138

MAT 5540

(n,t) Levels  
293 Kelvin Cross Sections

55-Cs-138



12

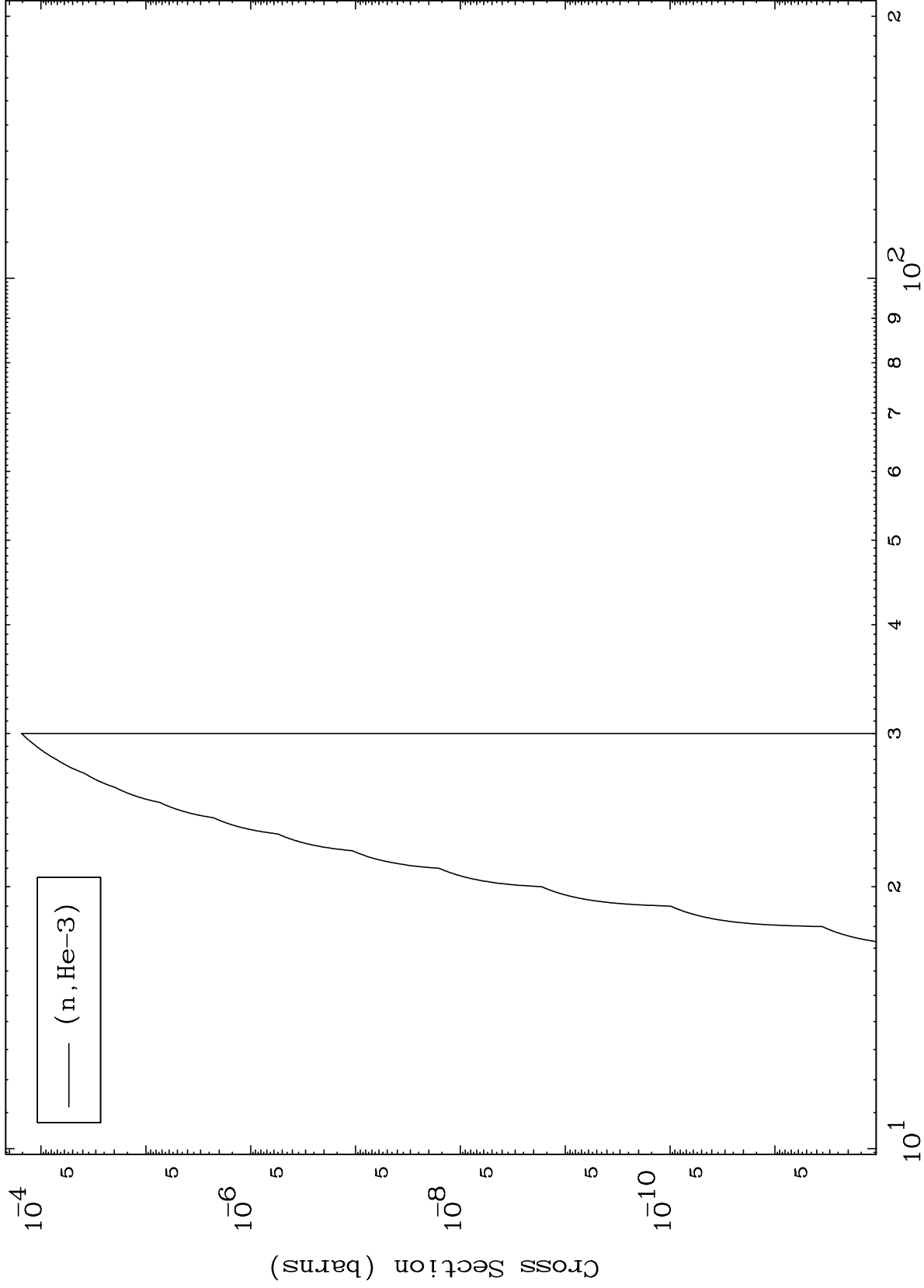
Incident Energy (MeV)

55-Cs-138

MAT 5540

(n,He3) Levels  
293 Kelvin Cross Sections

55-Cs-138



13

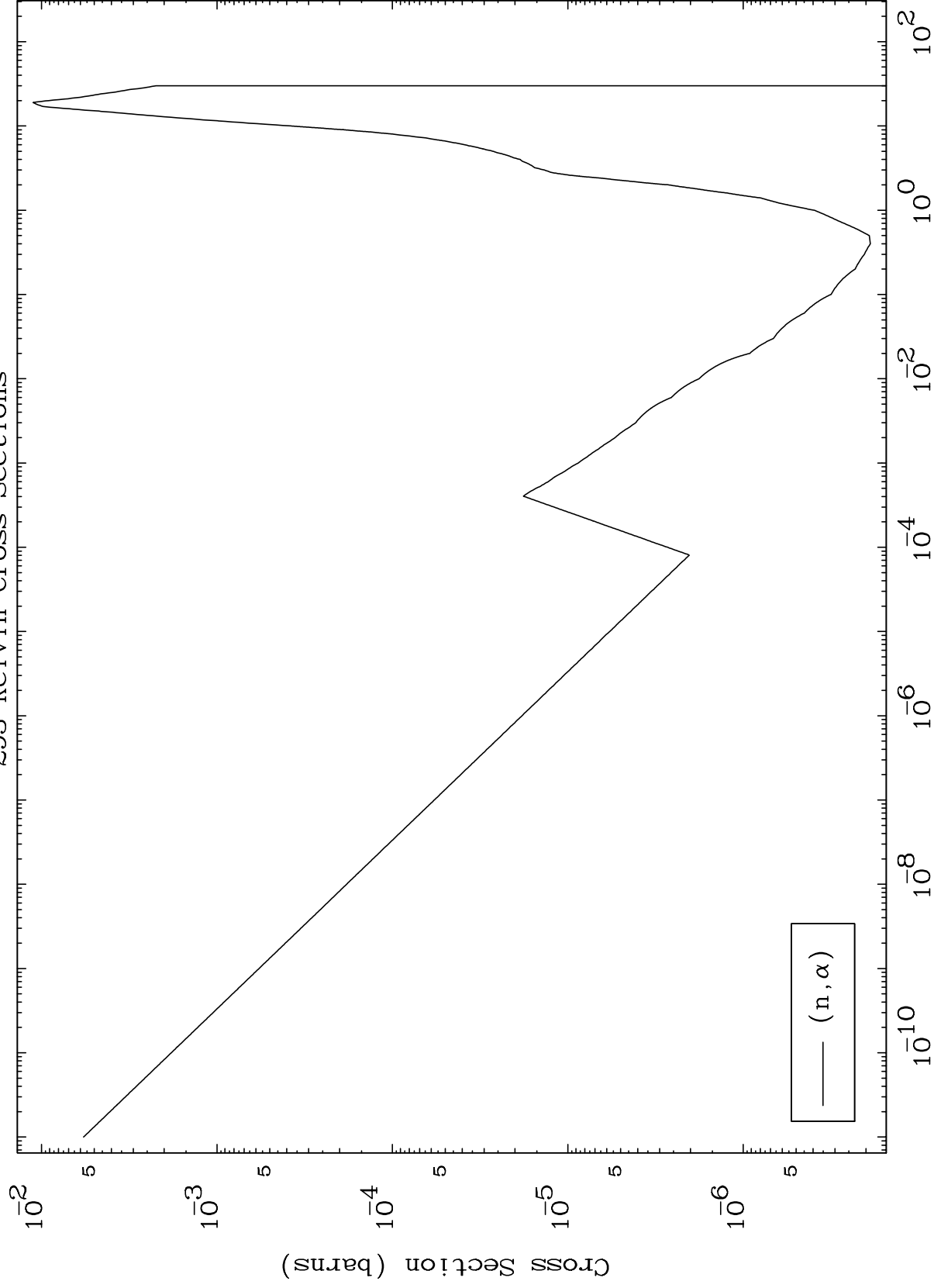
Incident Energy (MeV)

55-Cs-138

MAT 5540

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

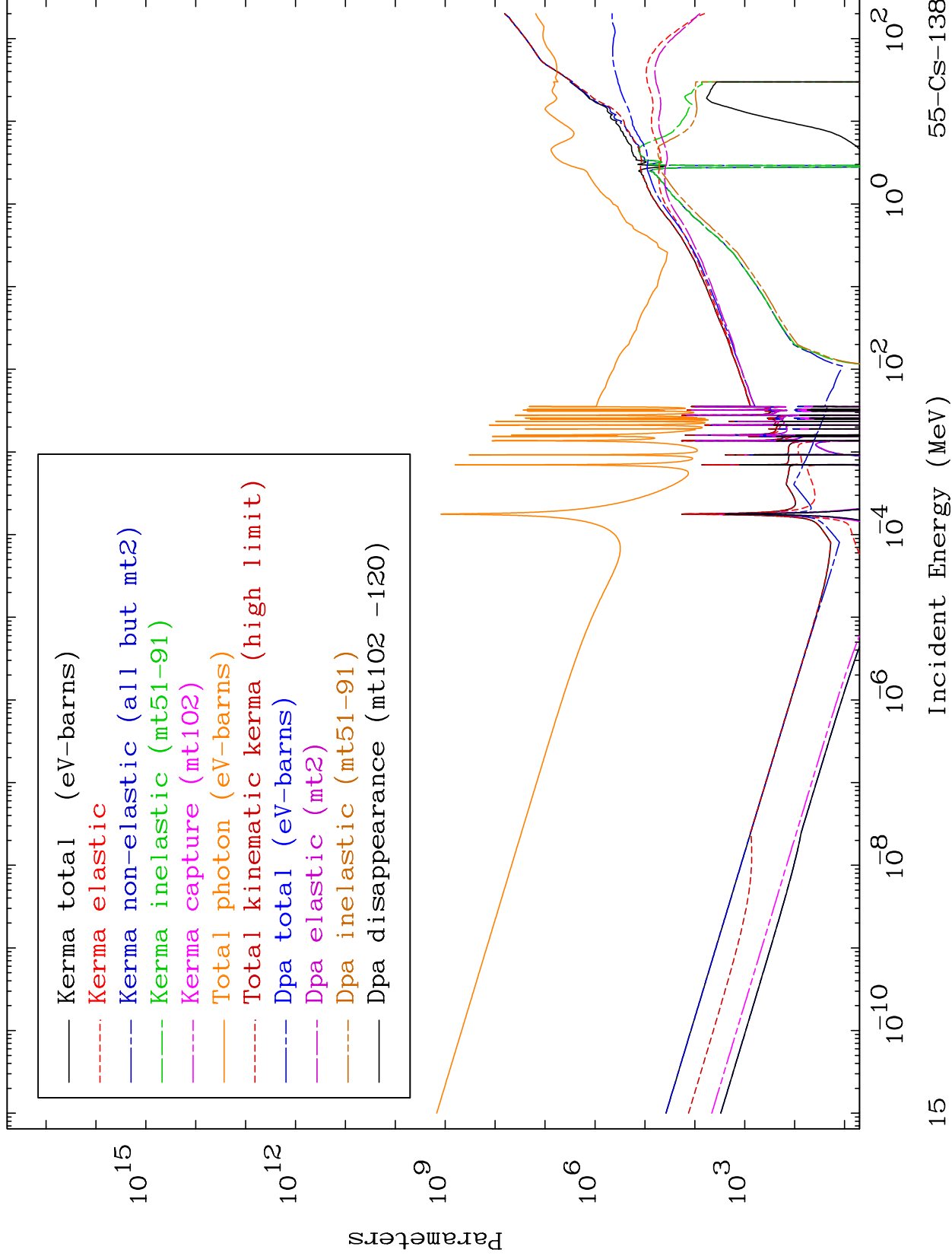
55-Cs-138



14

Incident Energy (MeV)

55-Cs-138

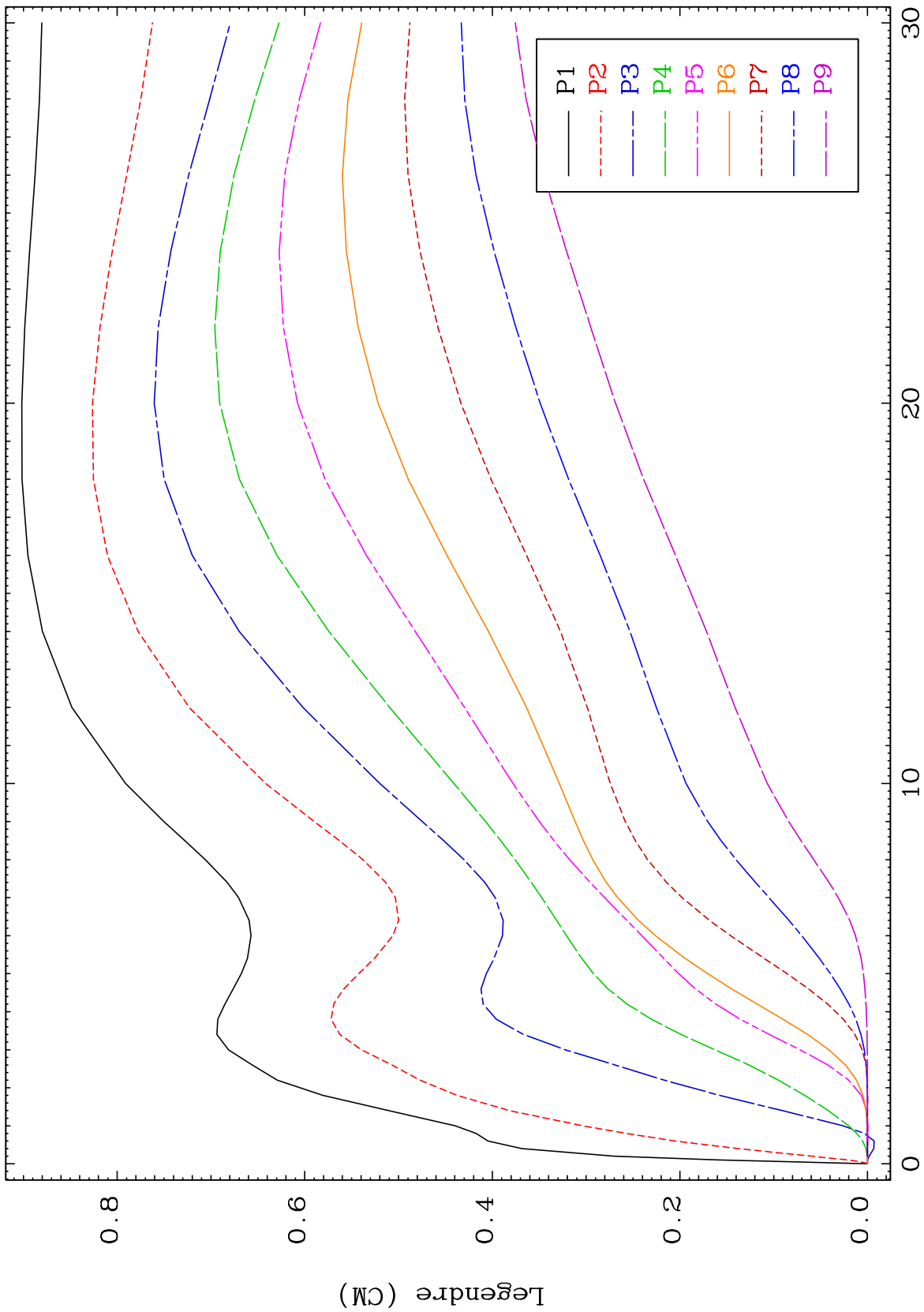




MAT 5540

55-Cs-138

Elastic Legendre Coefficients



55-Cs-138

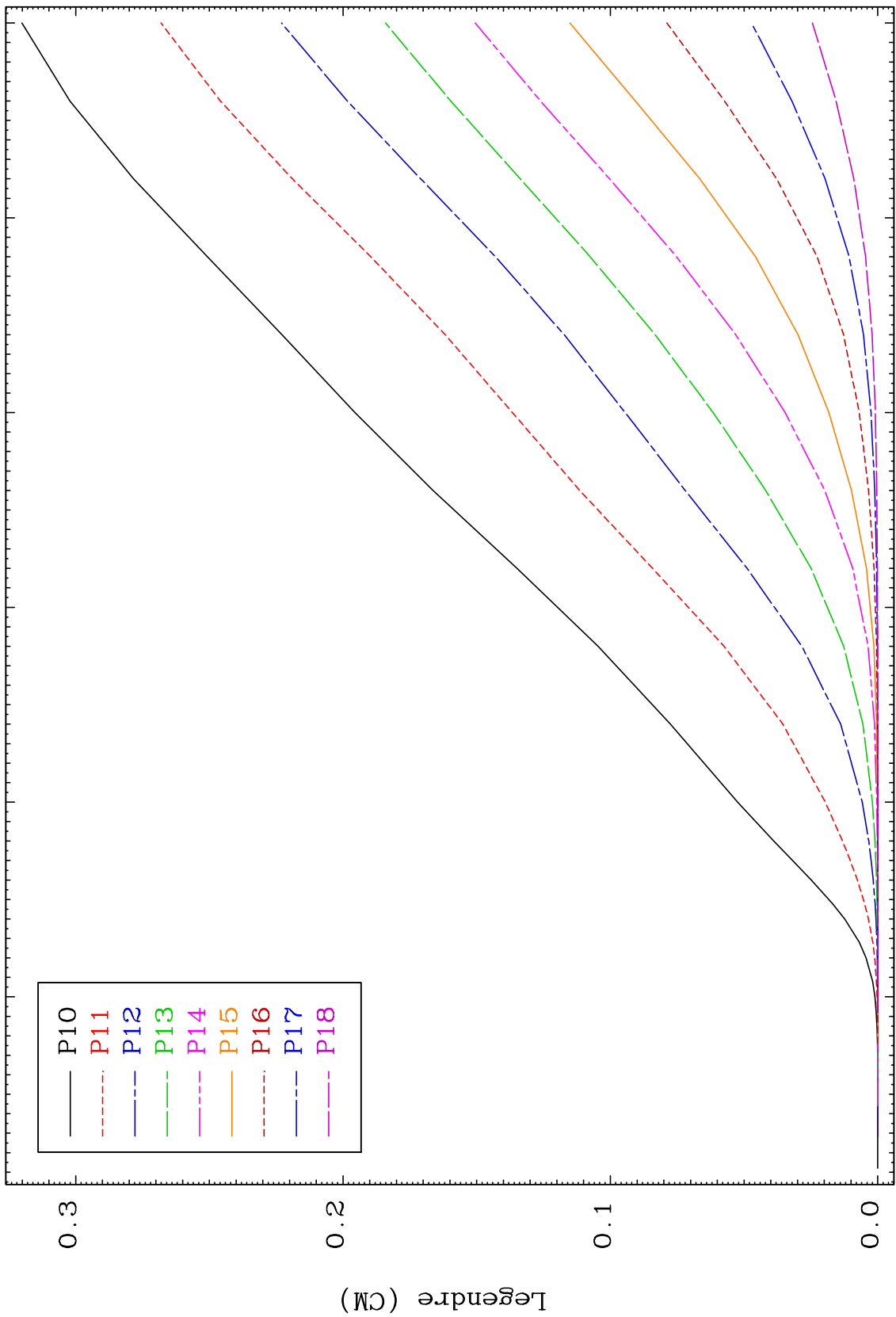
Incident Energy (MeV)

16

MAT 5540

Elastic Legendre Coefficients

55-Cs-138



17

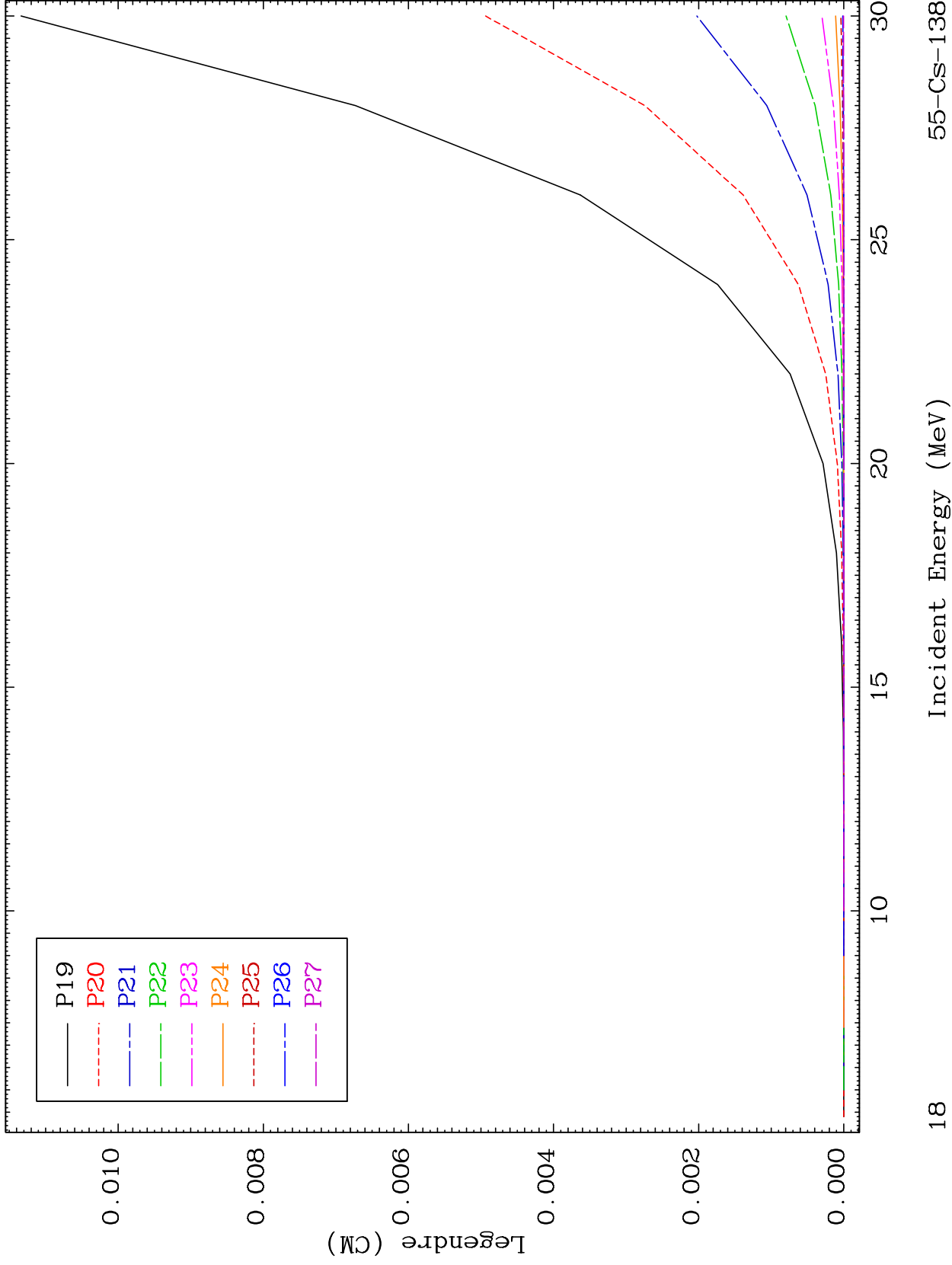
55-Cs-138

Incident Energy (MeV)

MAT 5540

### Elastic Legendre Coefficients

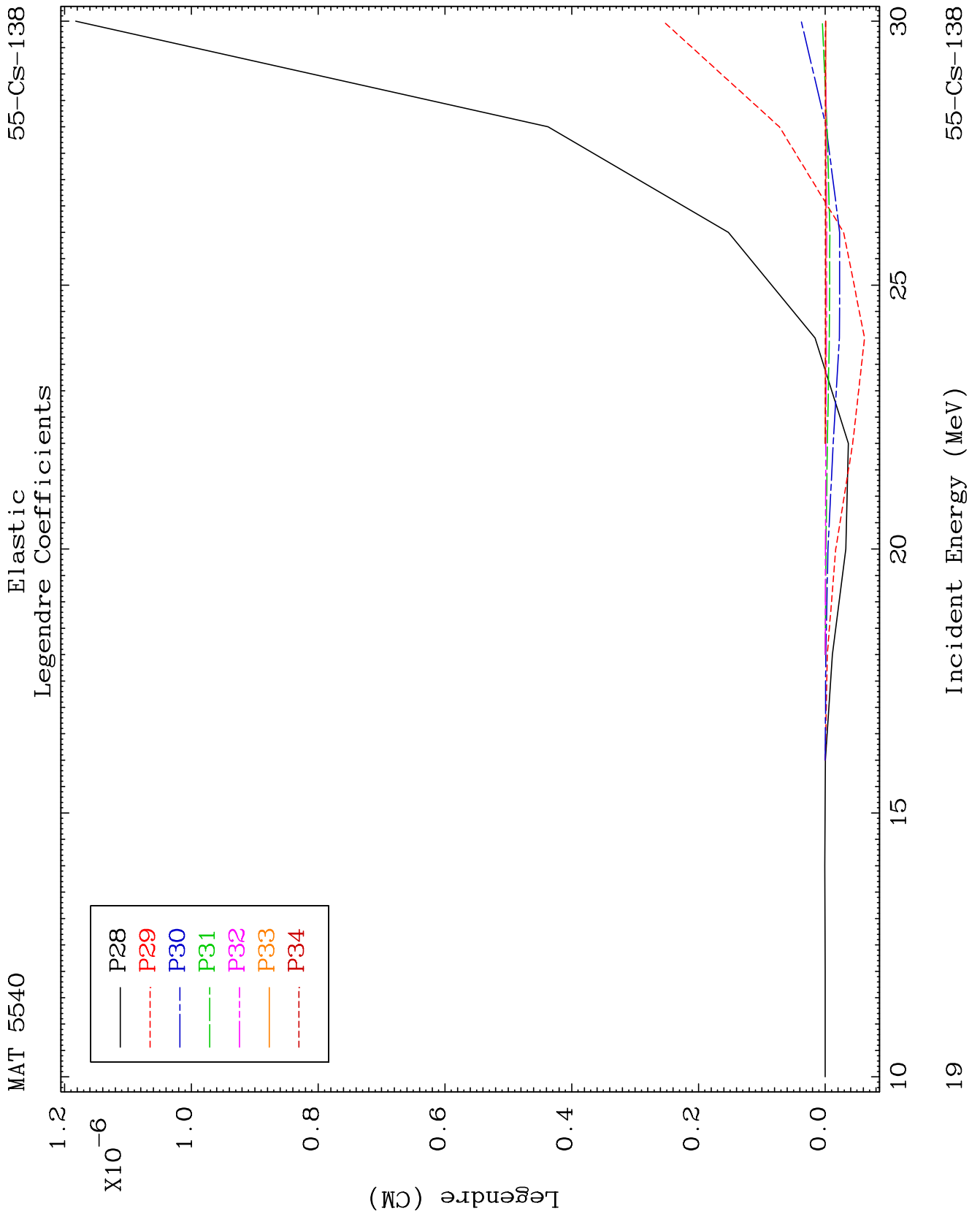
55-Cs-138



18

Incident Energy (MeV)

55-Cs-138

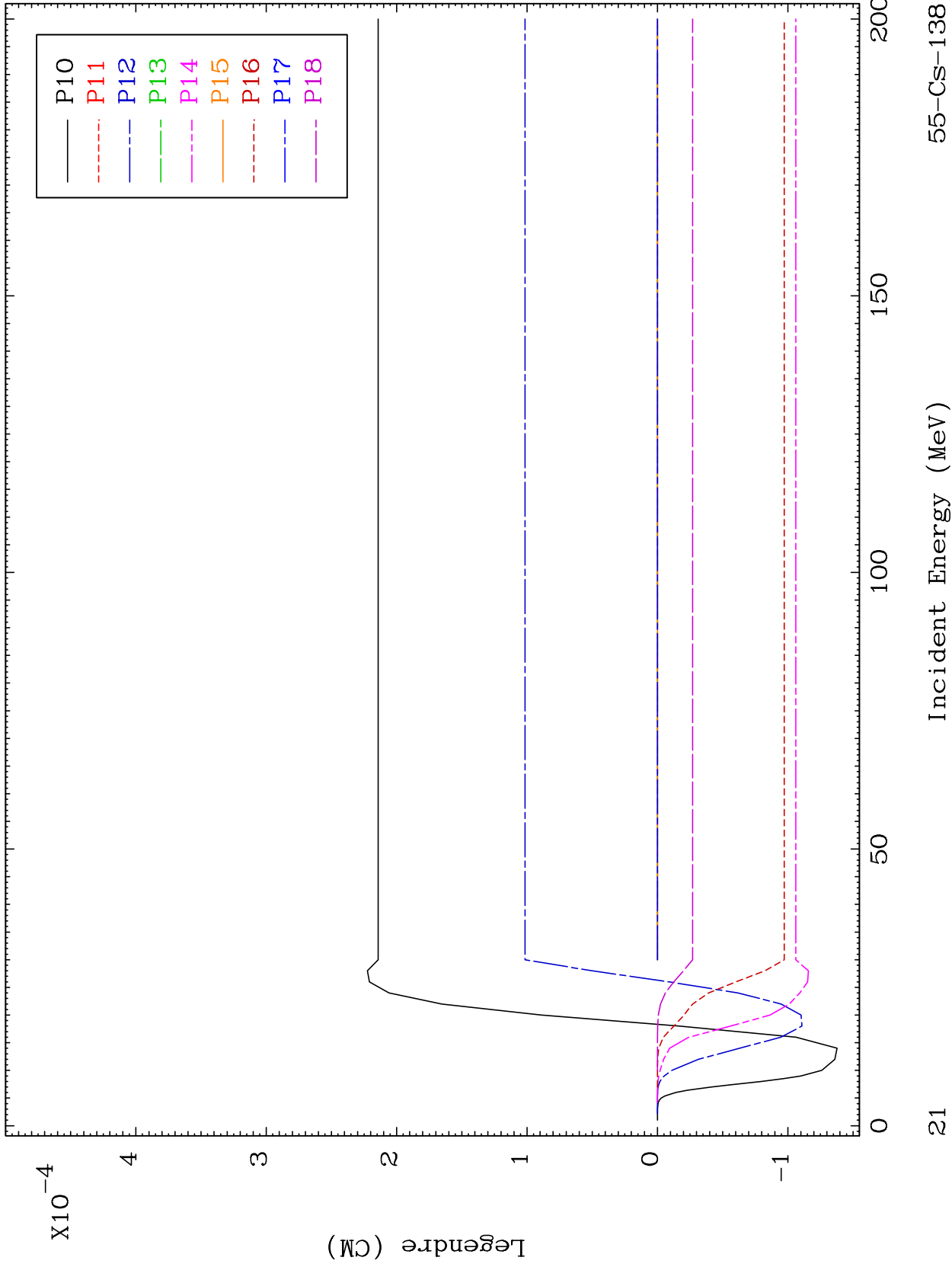




MAT 5540

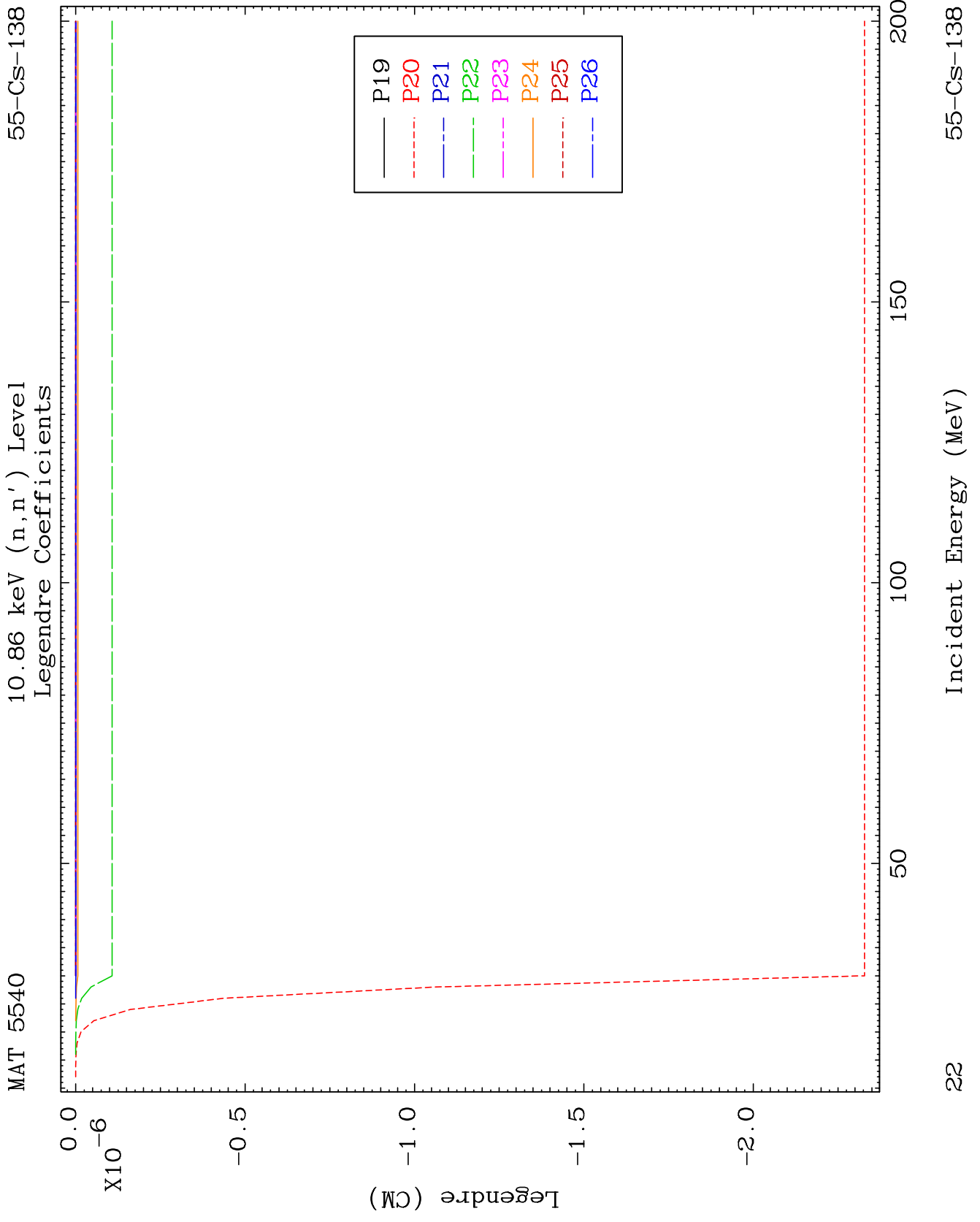
10.86 keV (n,n') Level  
Legendre Coefficients

55-Cs-138



21

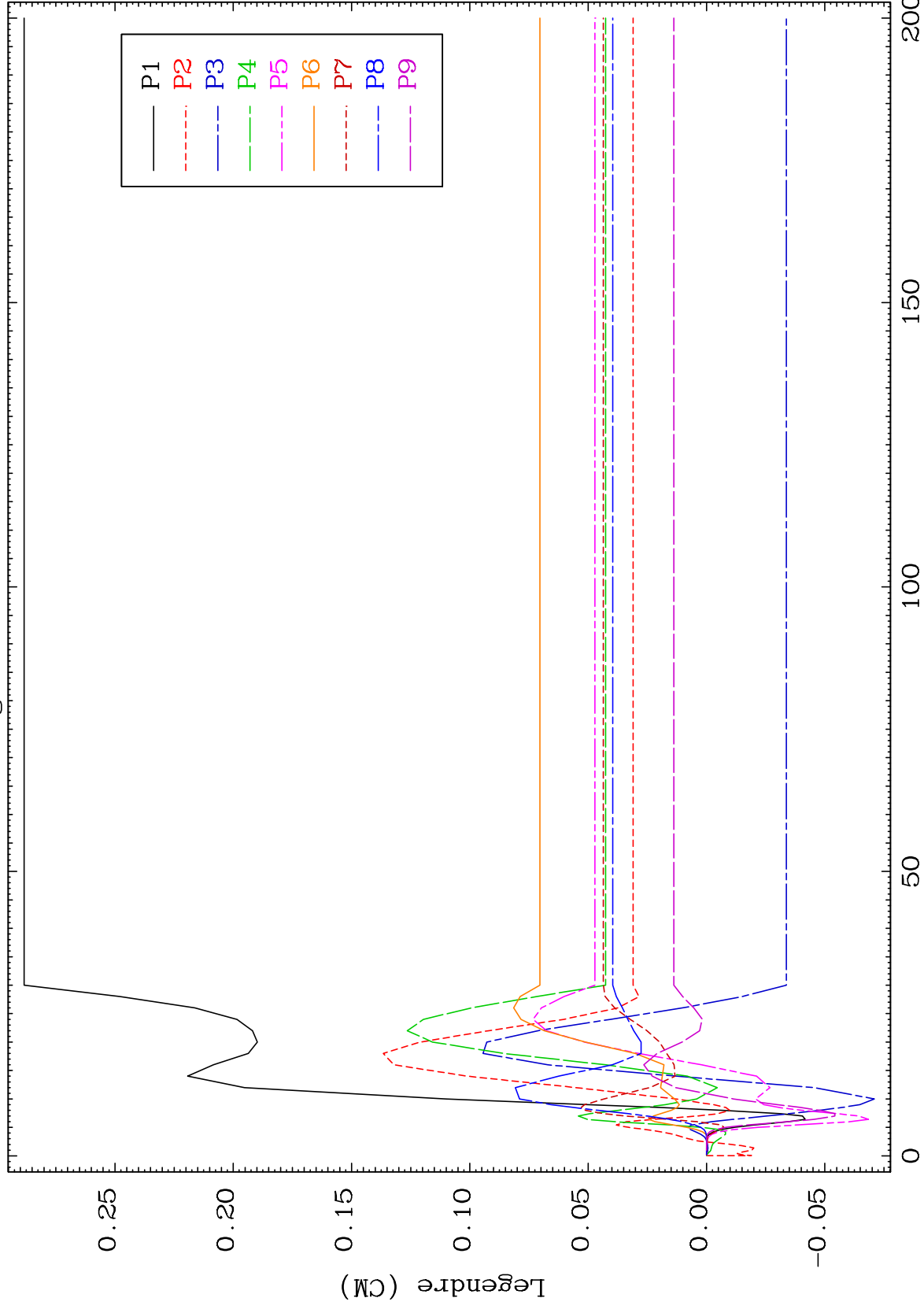
55-Cs-138



MAT 5540

15.74 keV (n,n') Level  
Legendre Coefficients

55-Cs-138

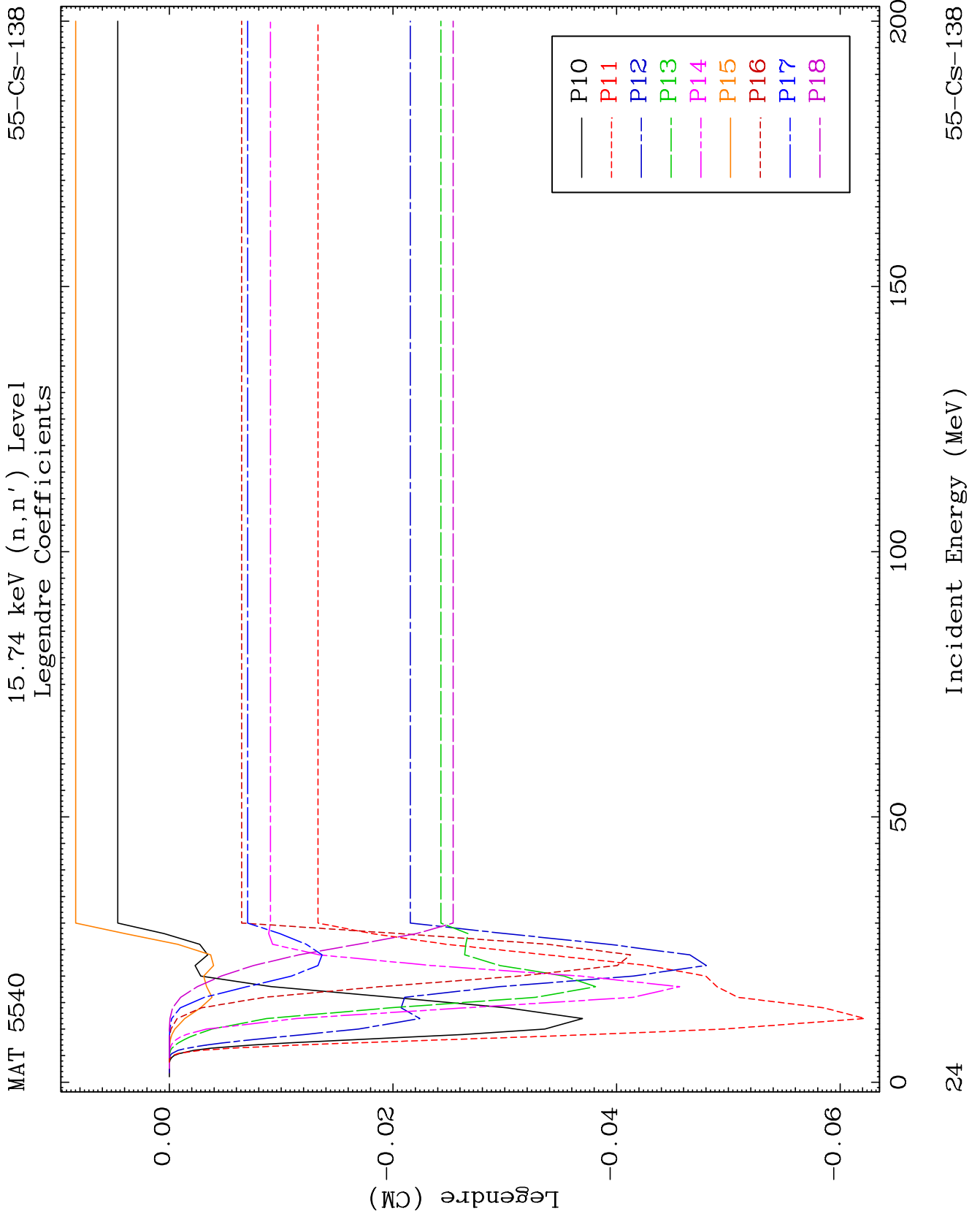


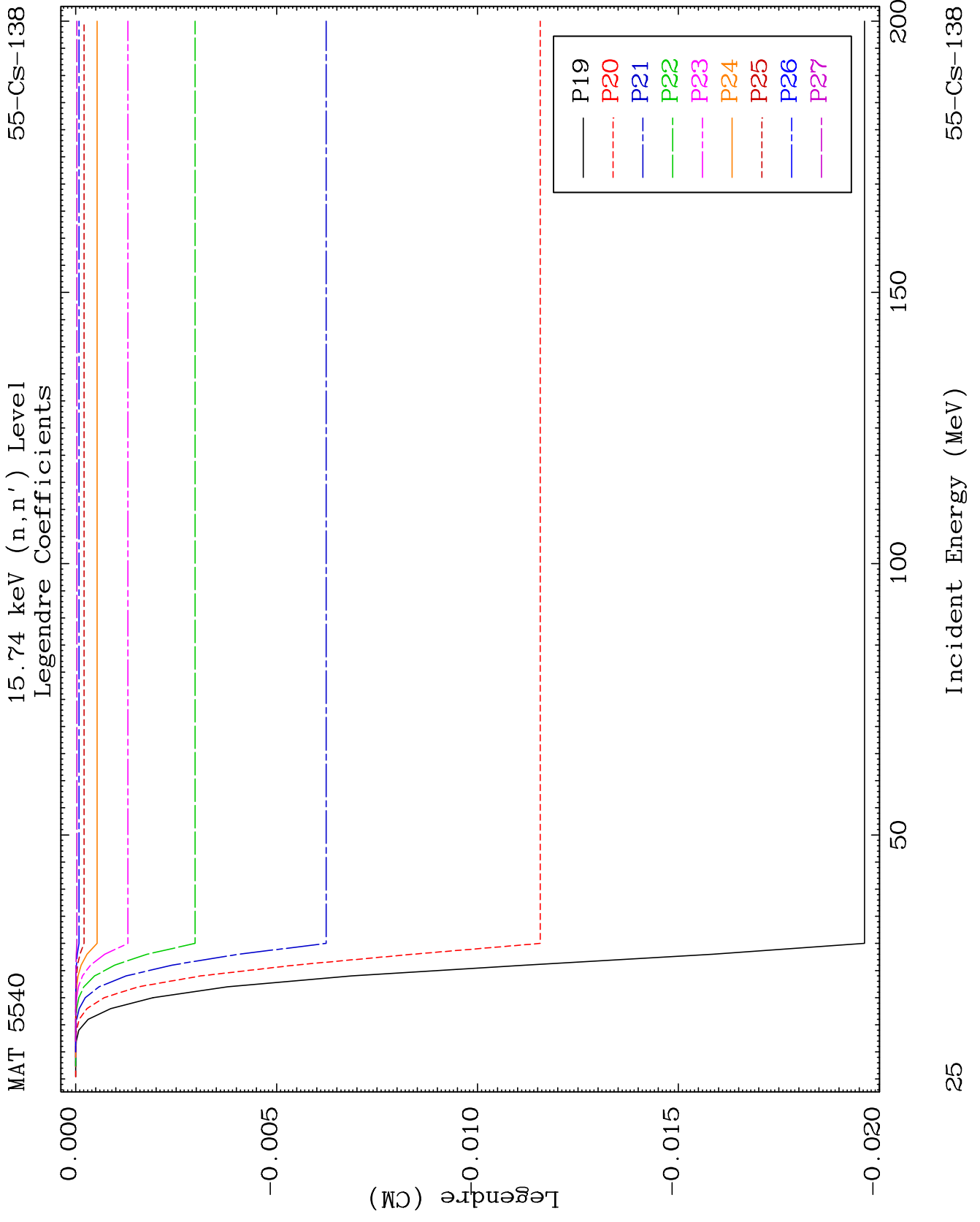
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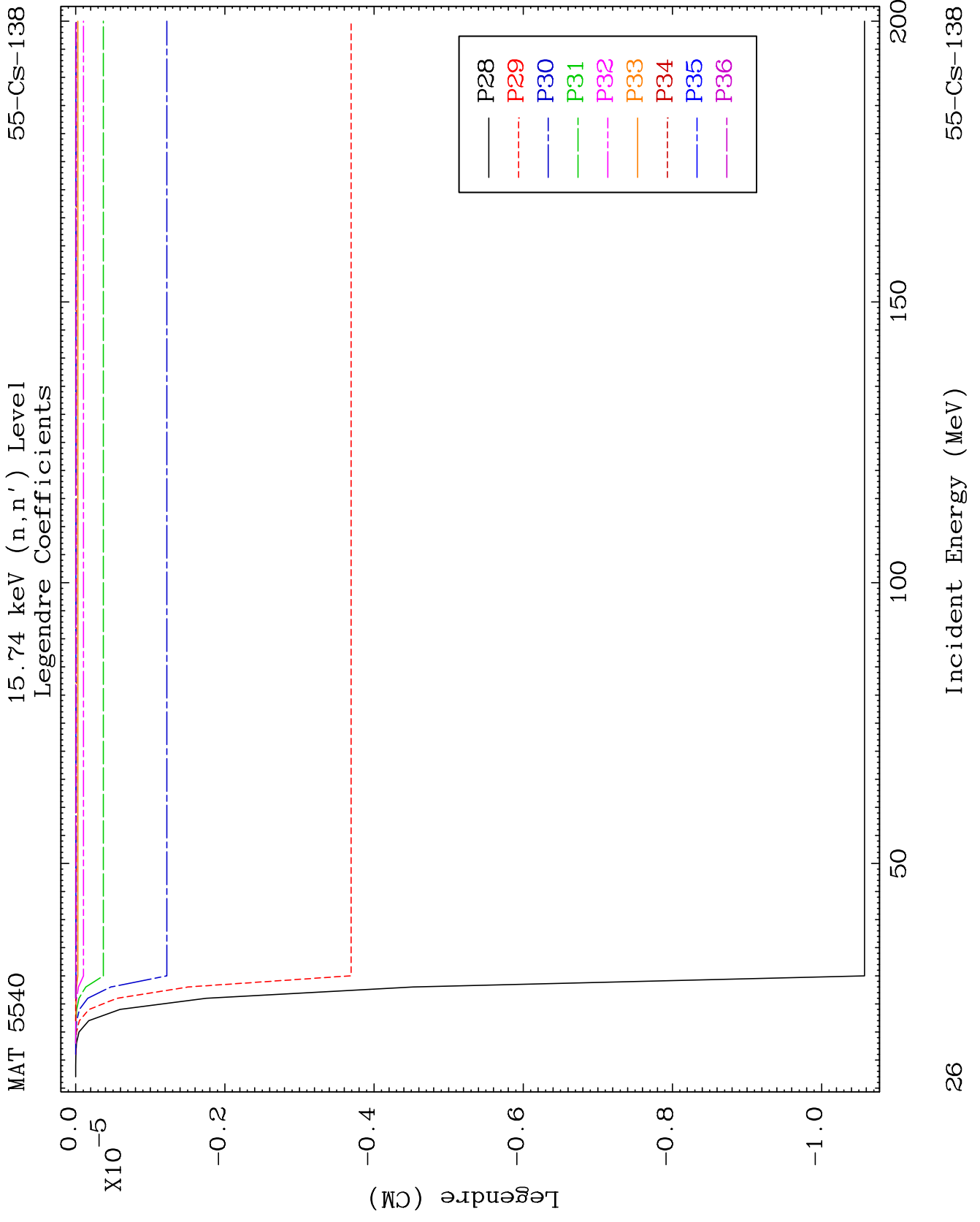
Incident Energy (MeV)

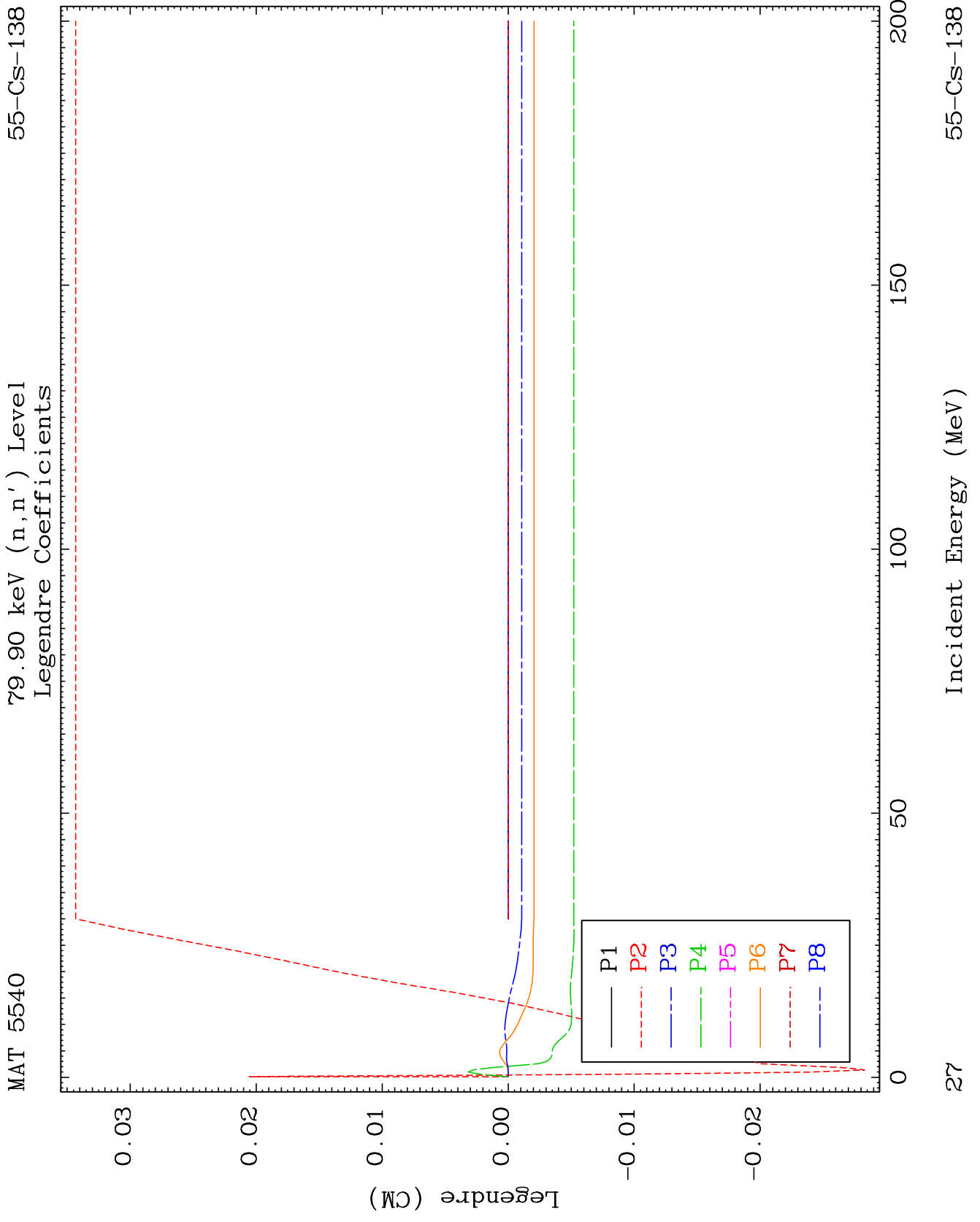
55-Cs-138

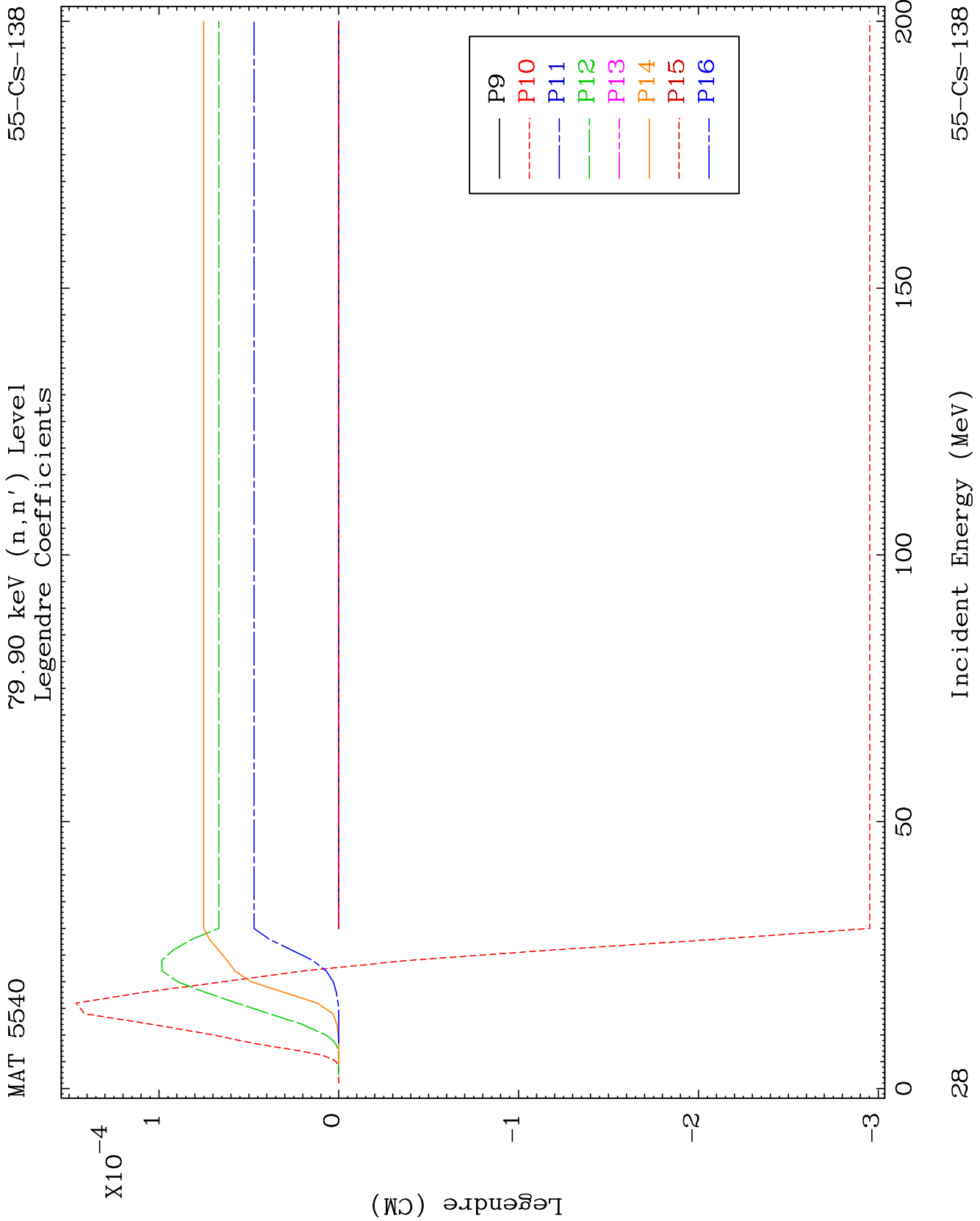


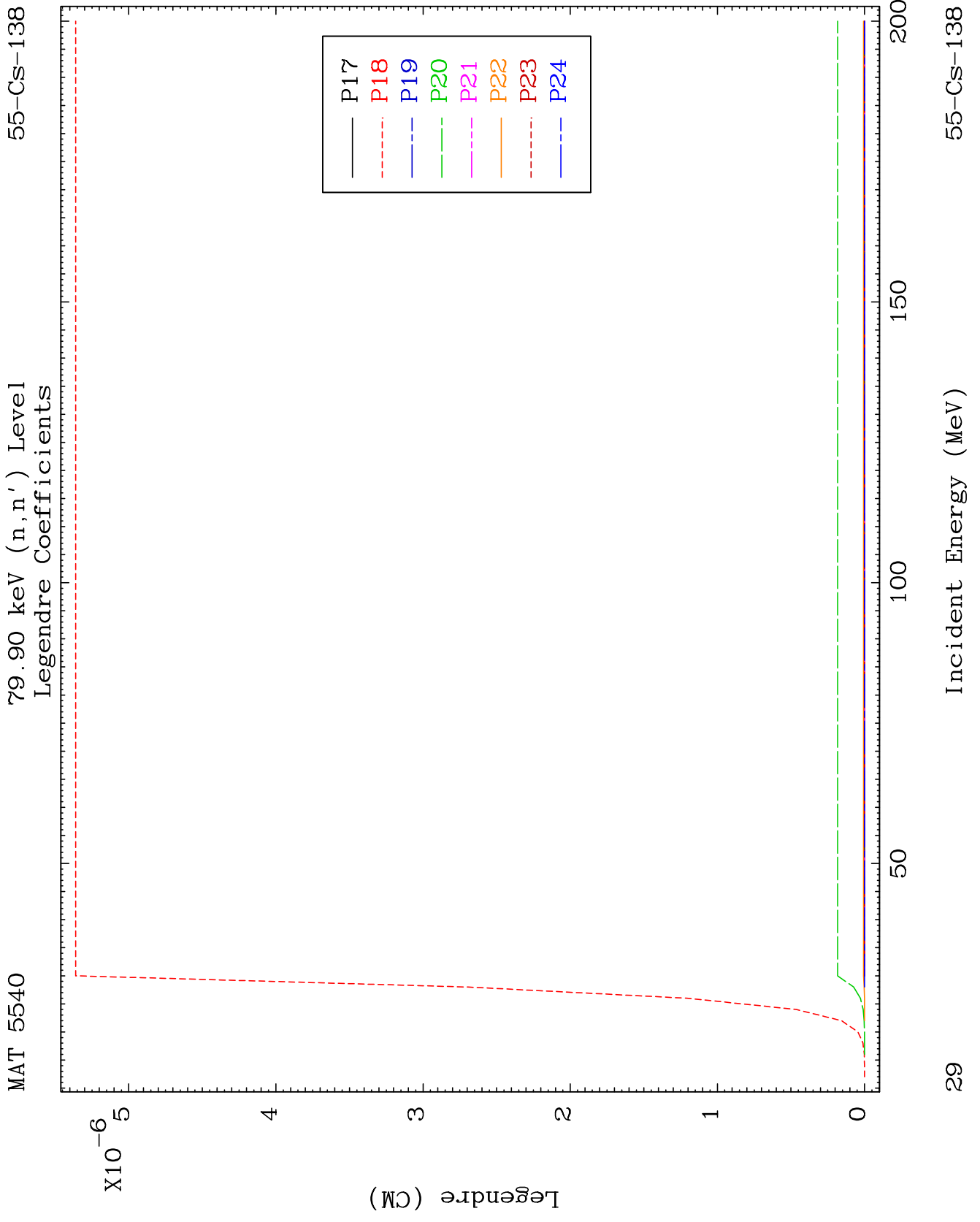








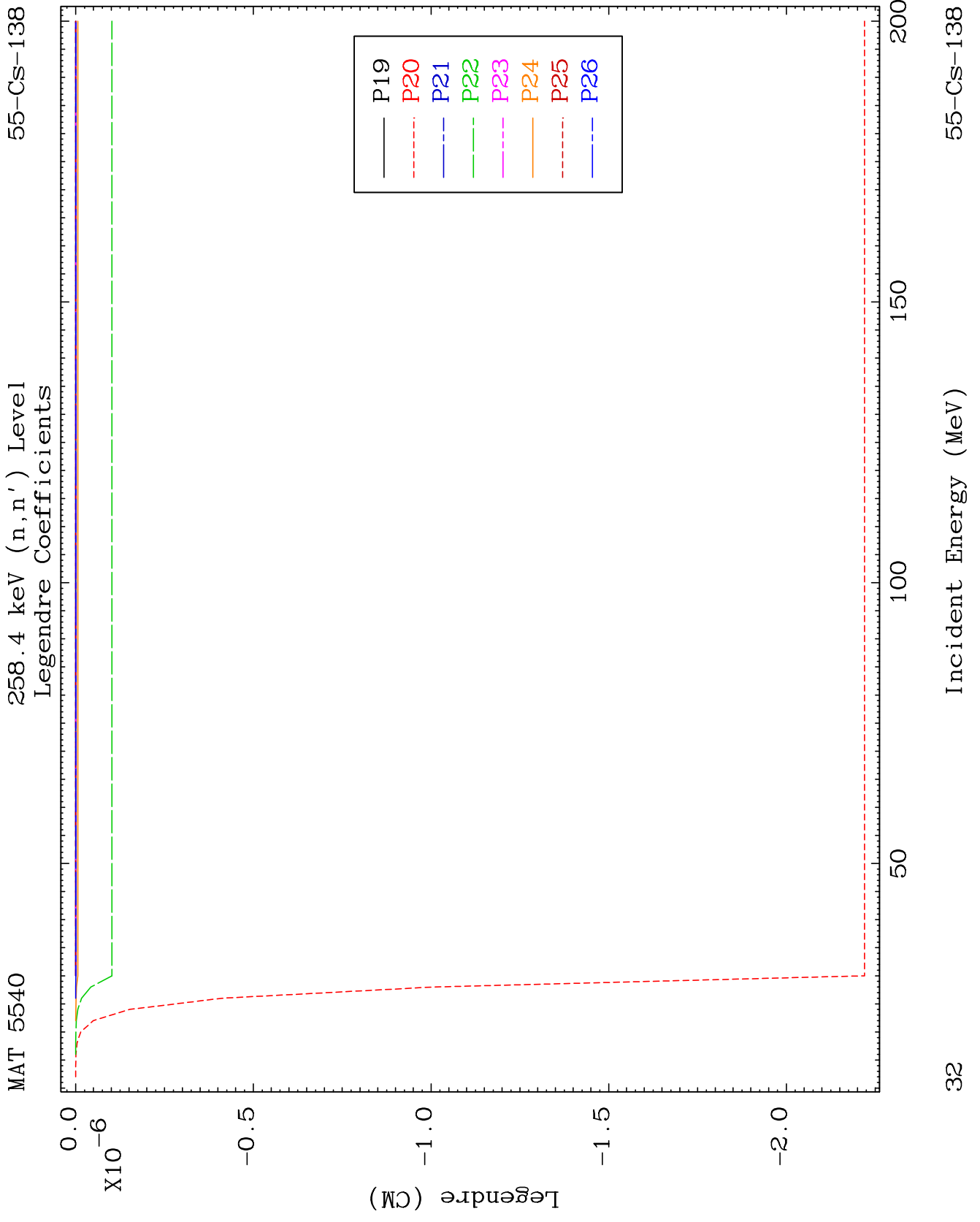


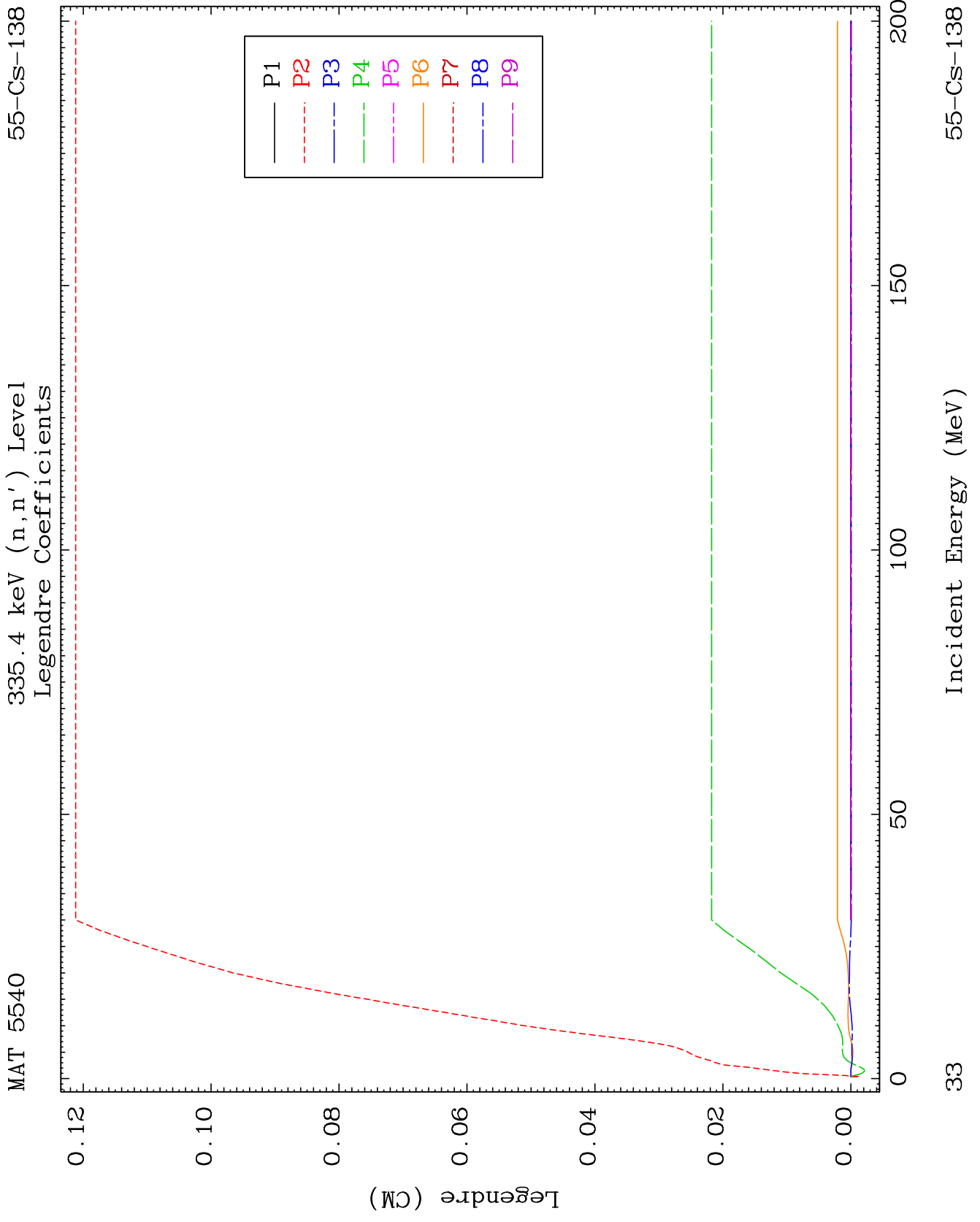


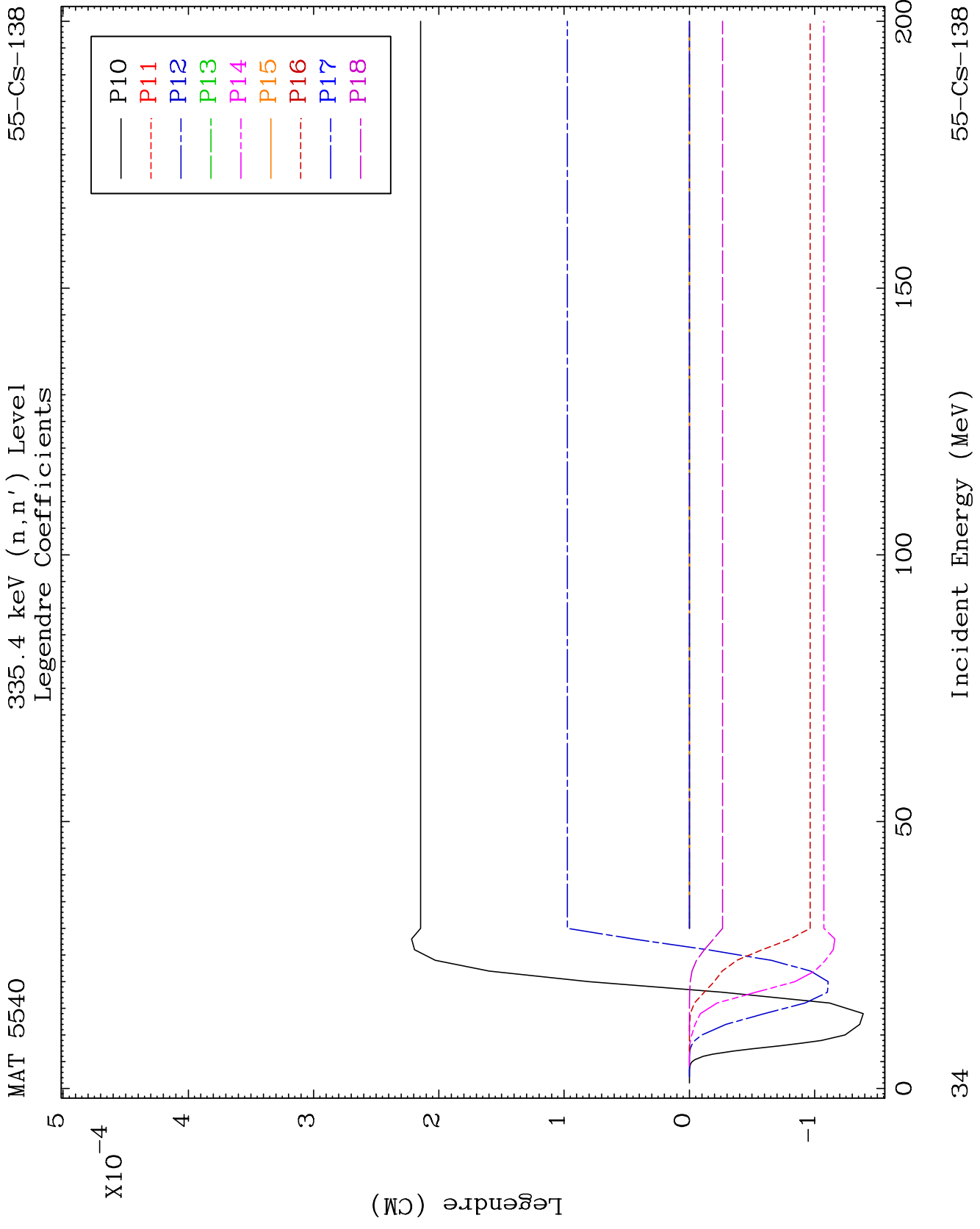


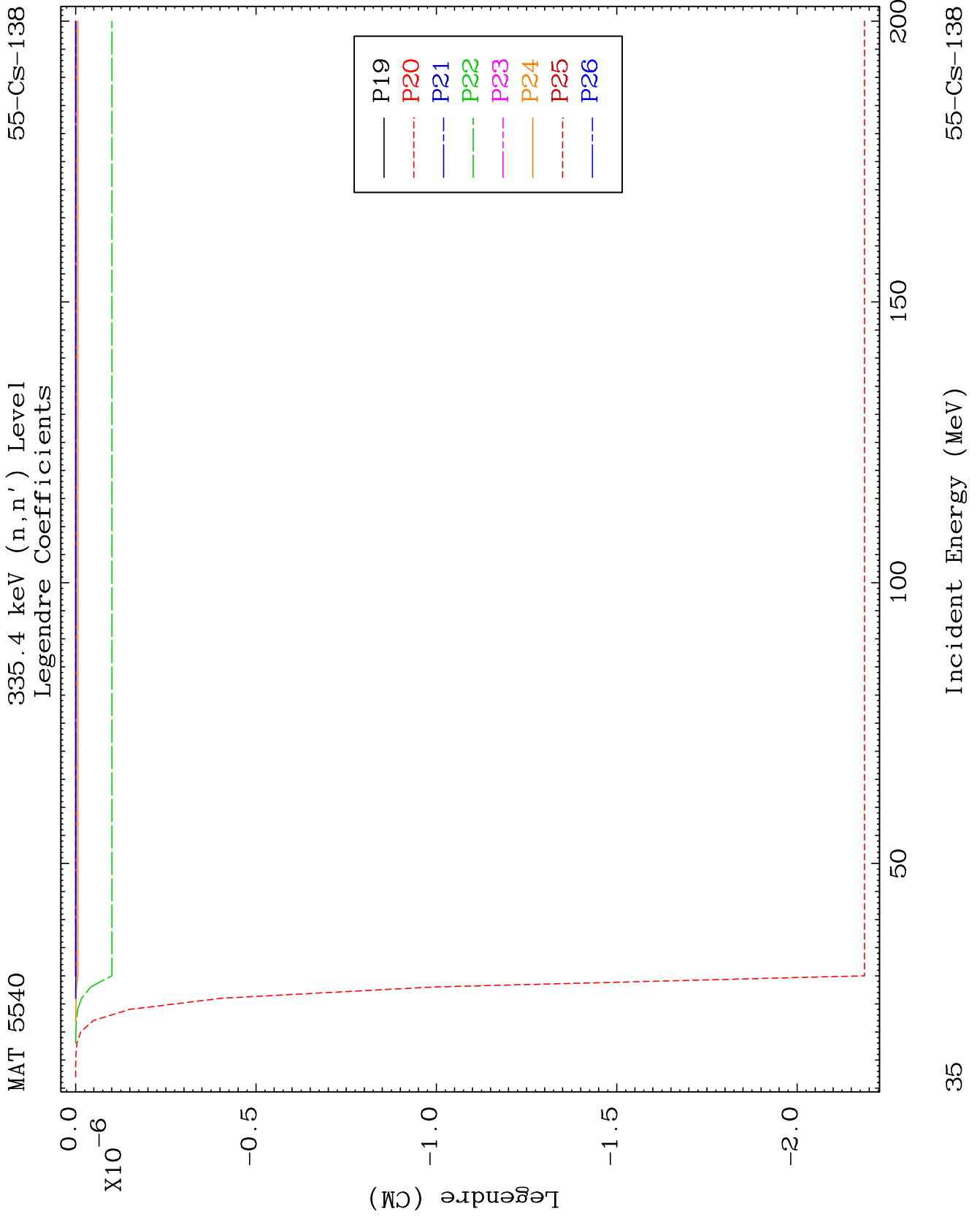








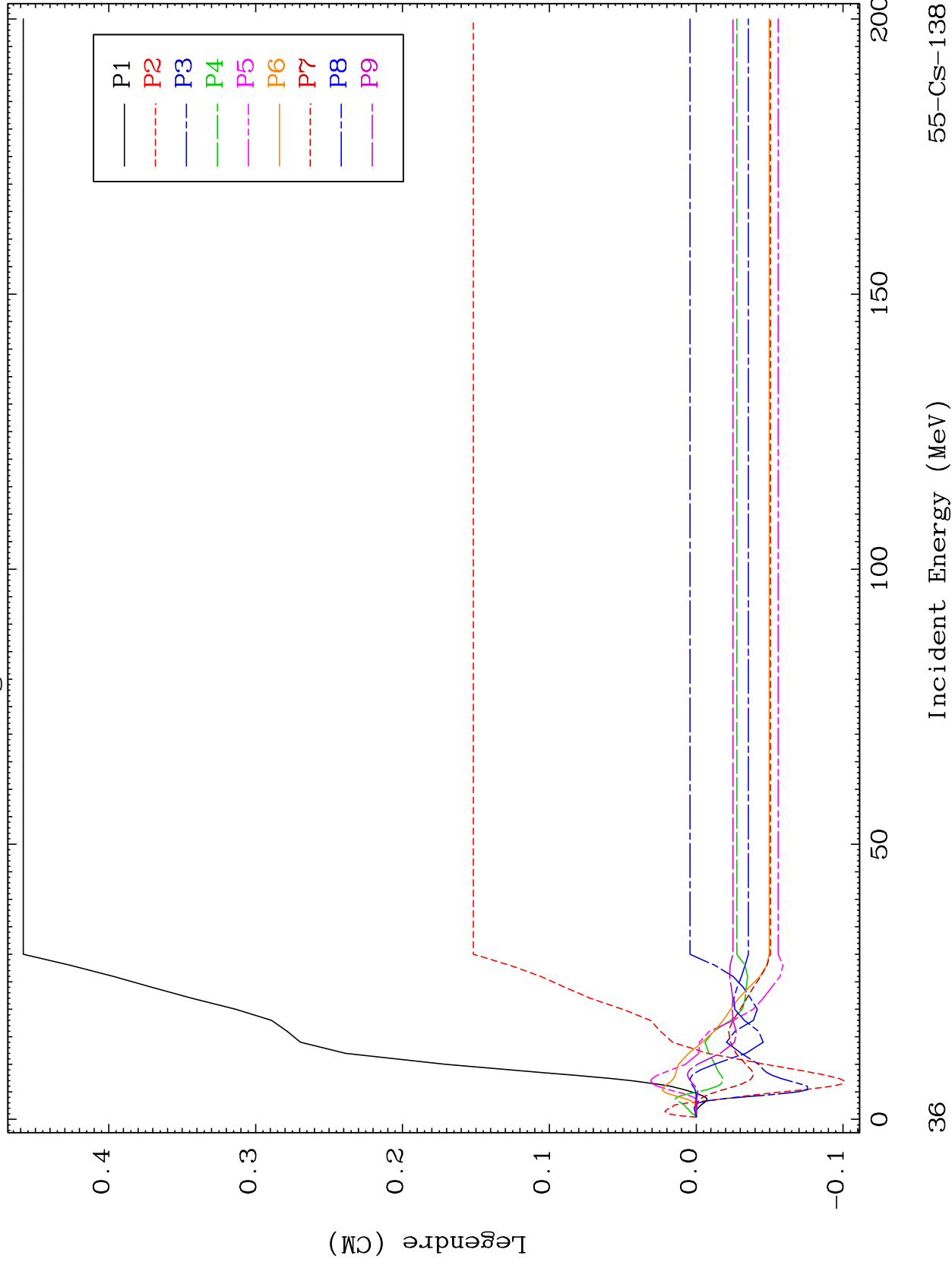




MAT 5540

403.7 keV (n,n') Level  
Legendre Coefficients

55-Cs-138



55-Cs-138

Incident Energy (MeV)

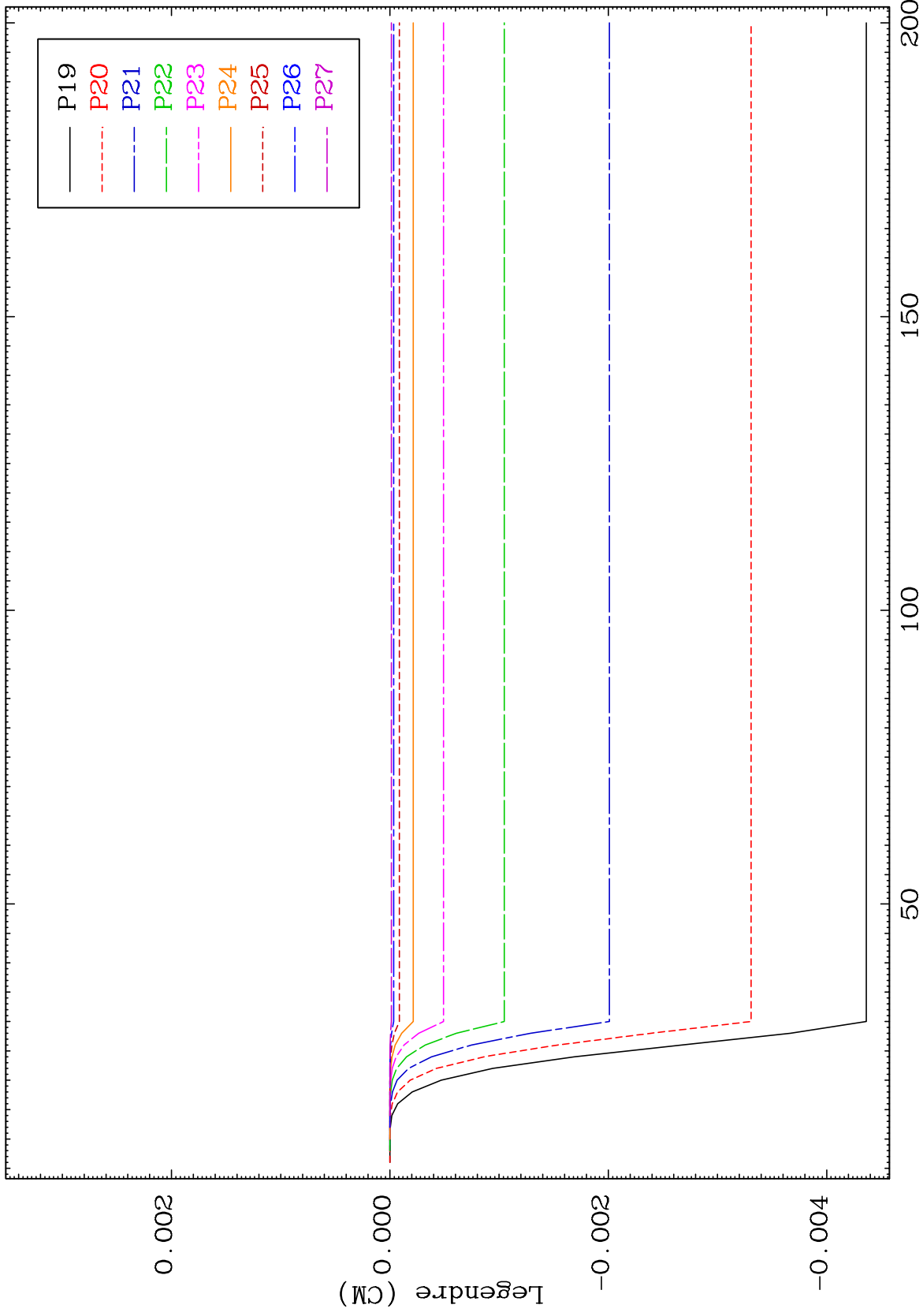
36



MAT 5540

403.7 keV (n,n') Level  
Legendre Coefficients

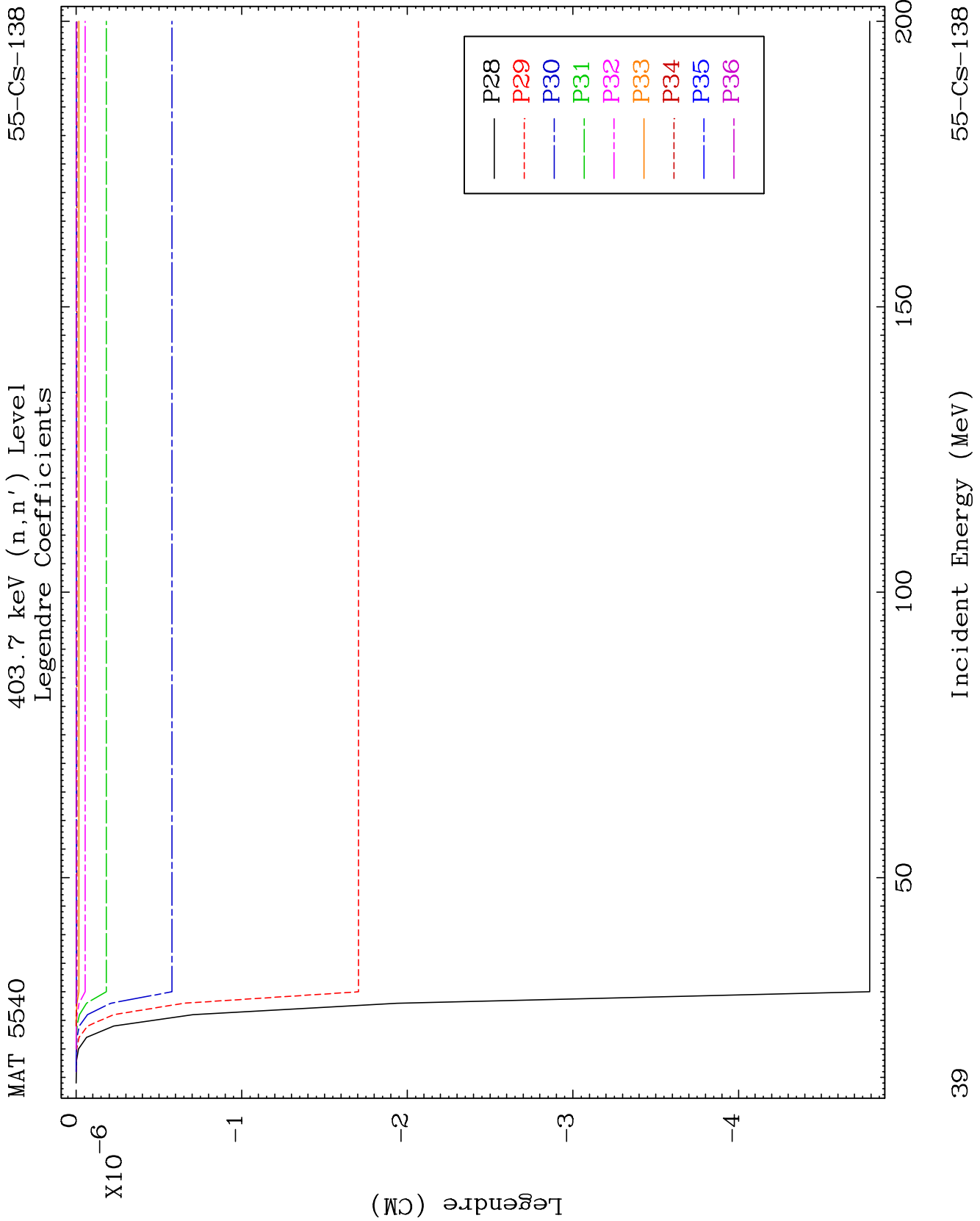
55-Cs-138



38

Incident Energy (MeV)

55-Cs-138

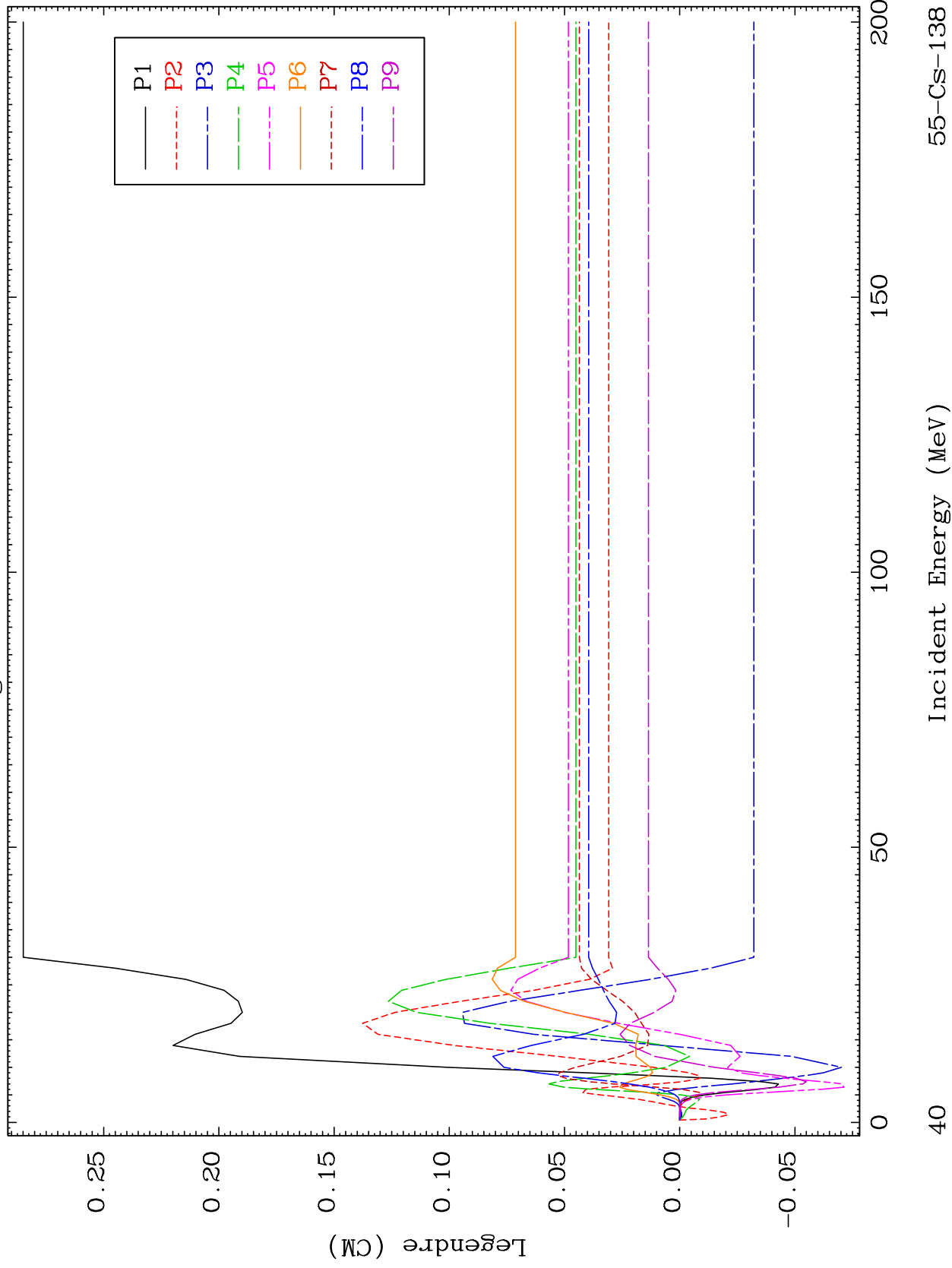




MAT 5540

412.3 keV (n,n') Level  
Legendre Coefficients

55-Cs-138

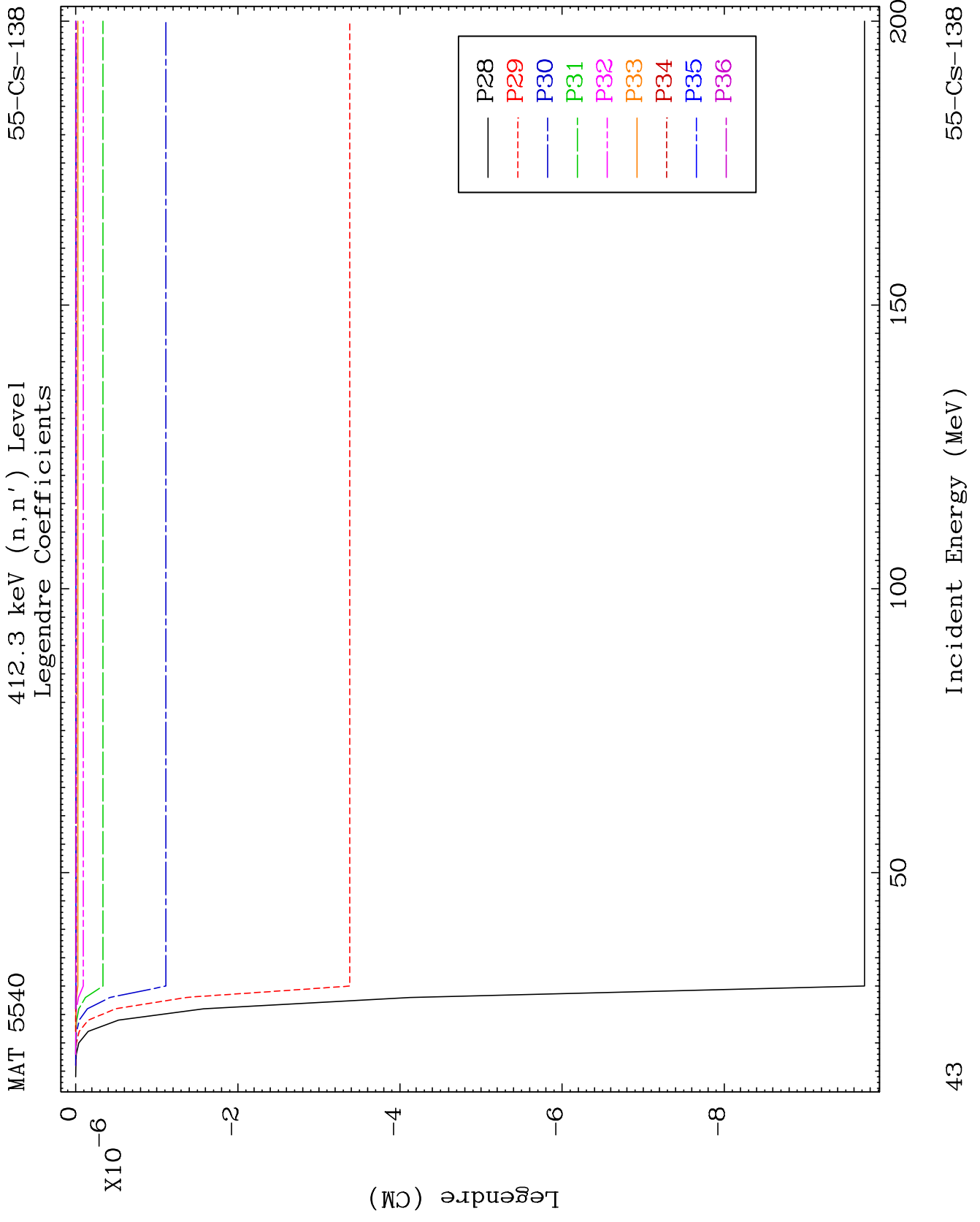


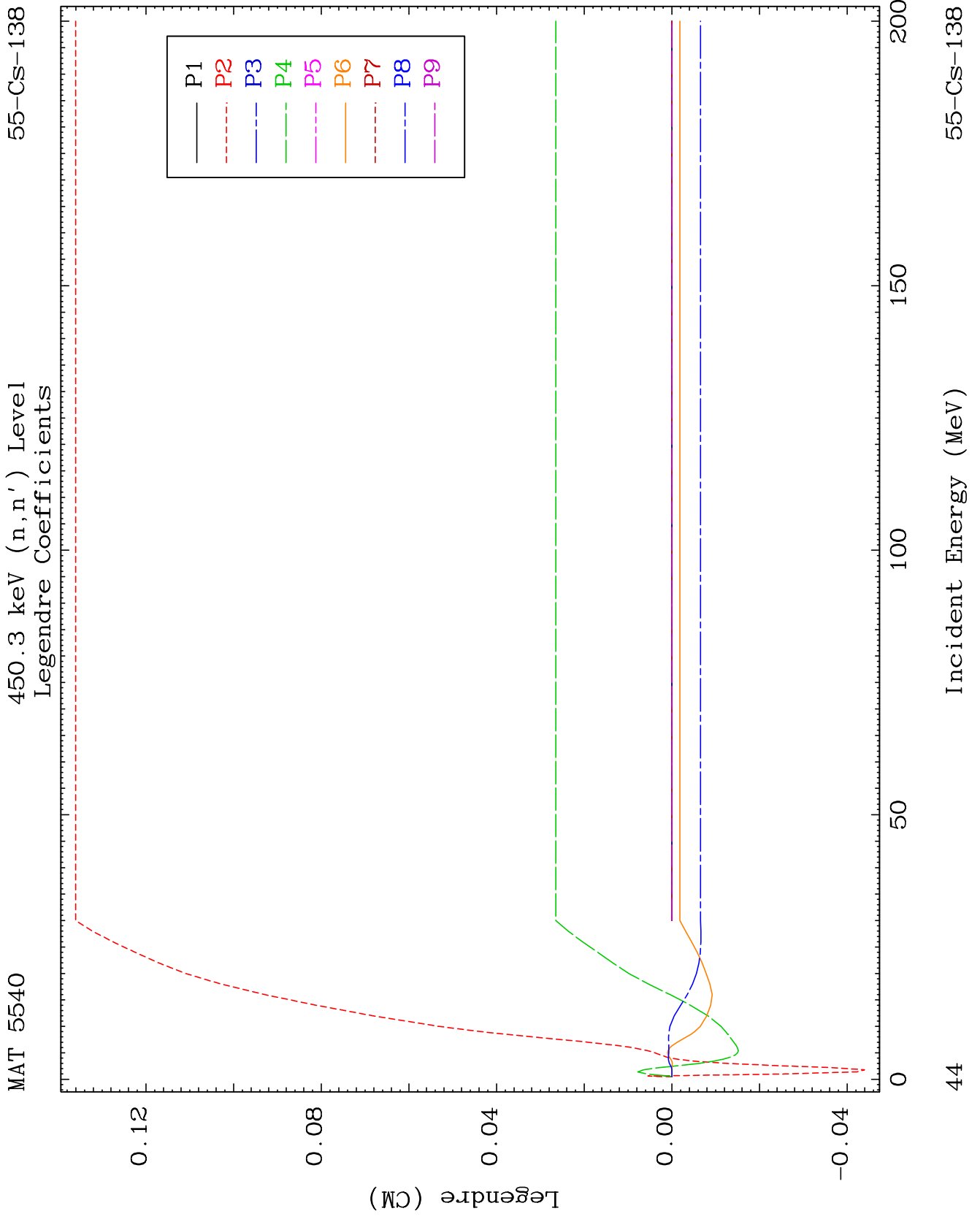
55-Cs-138

Incident Energy (MeV)

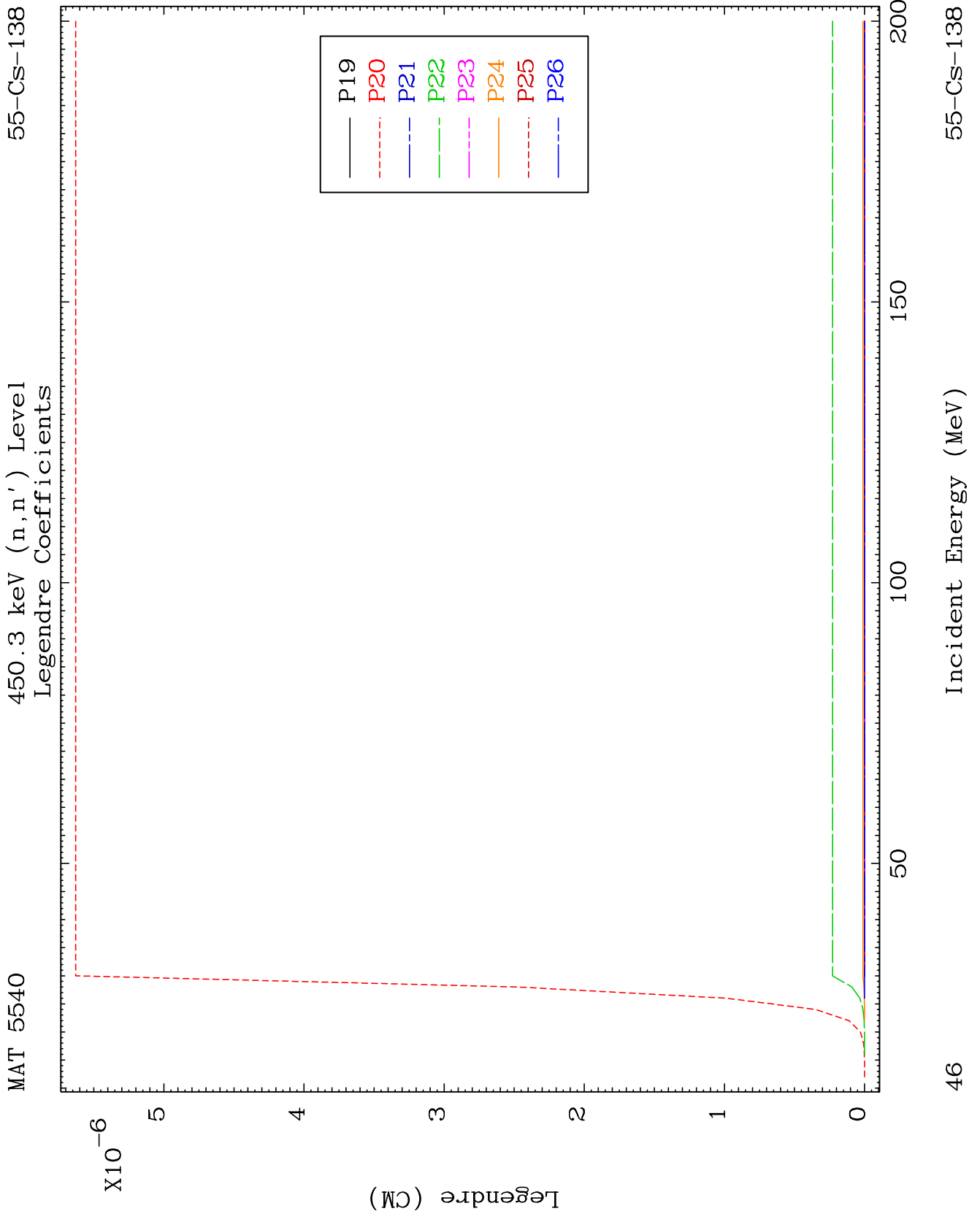


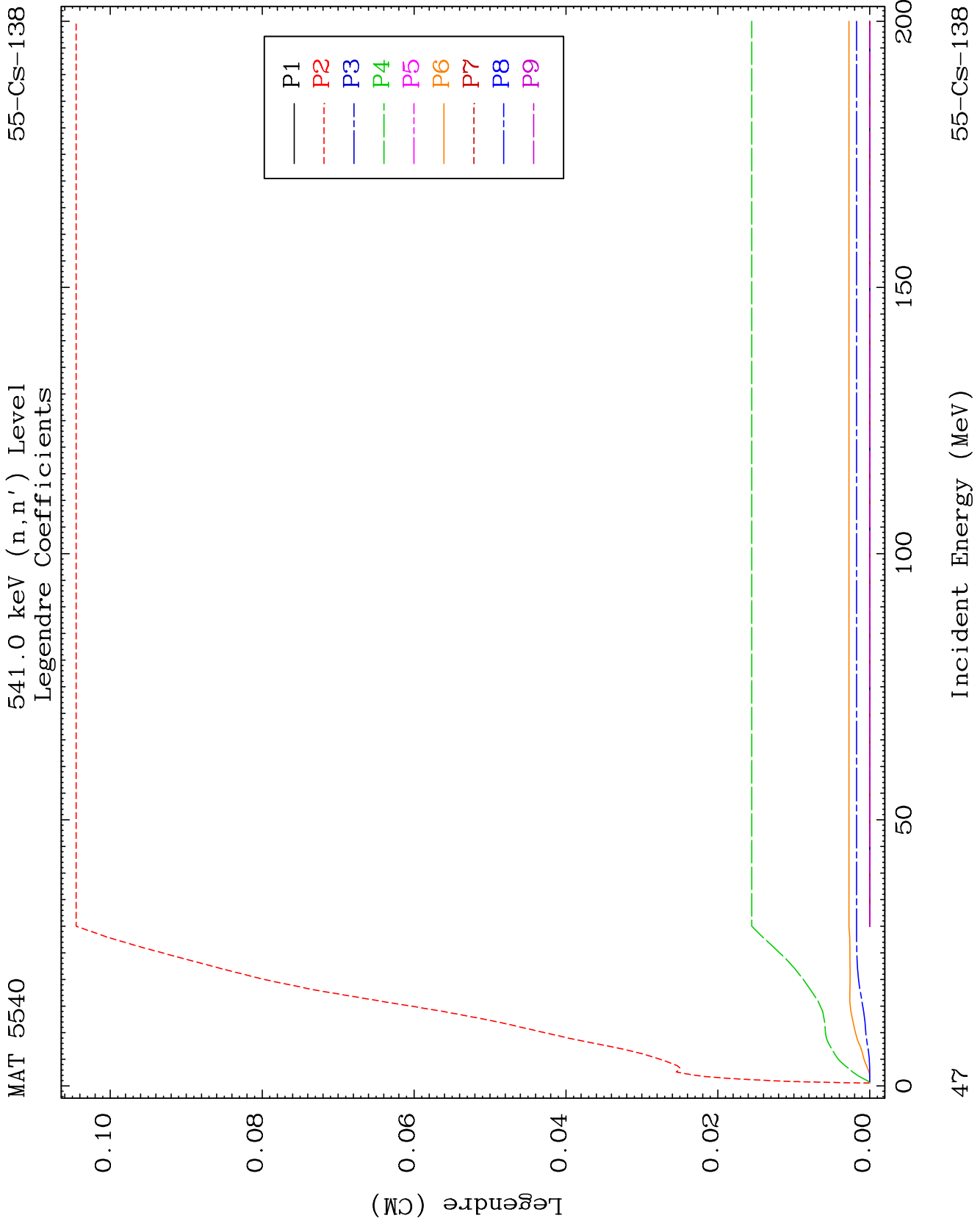




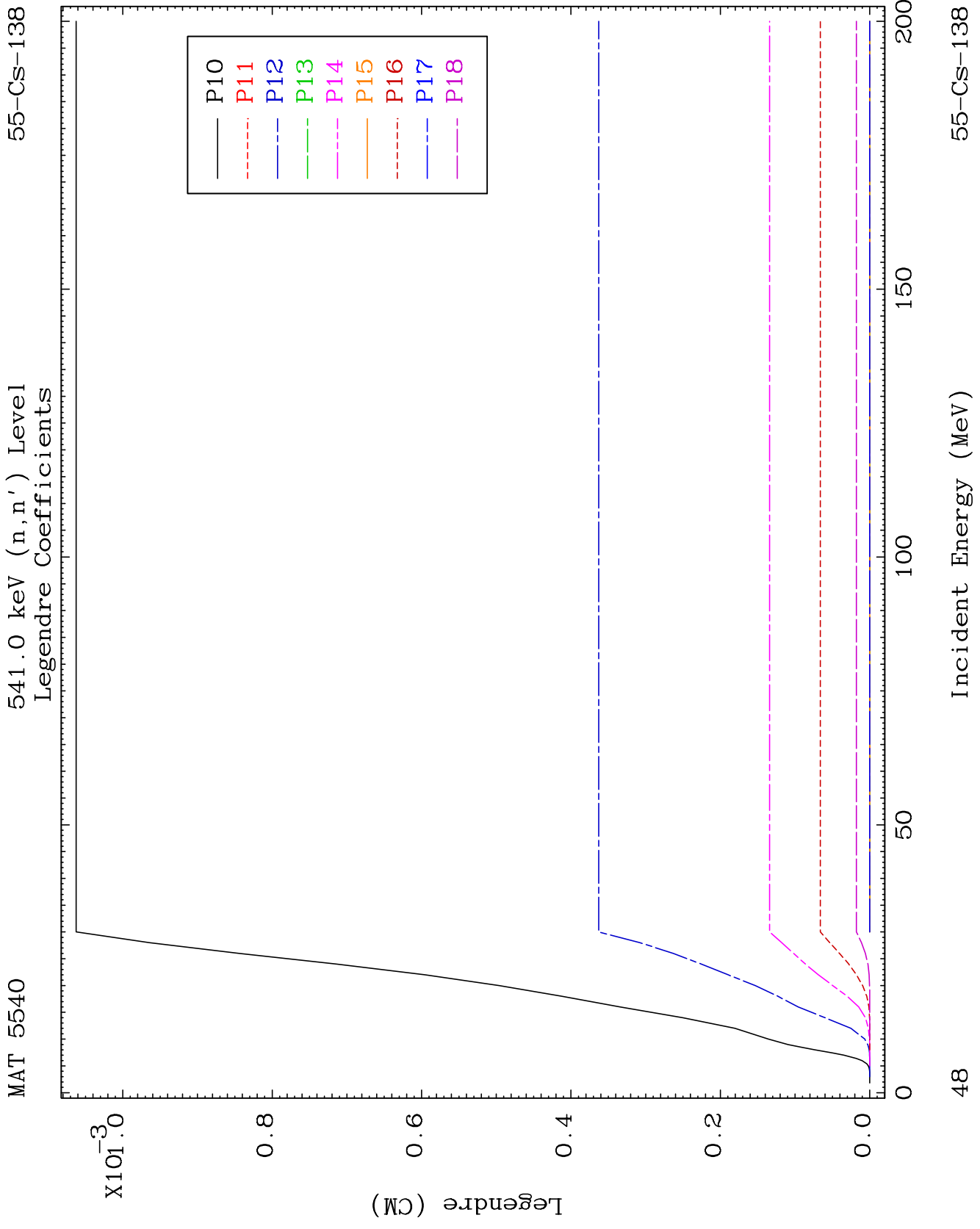


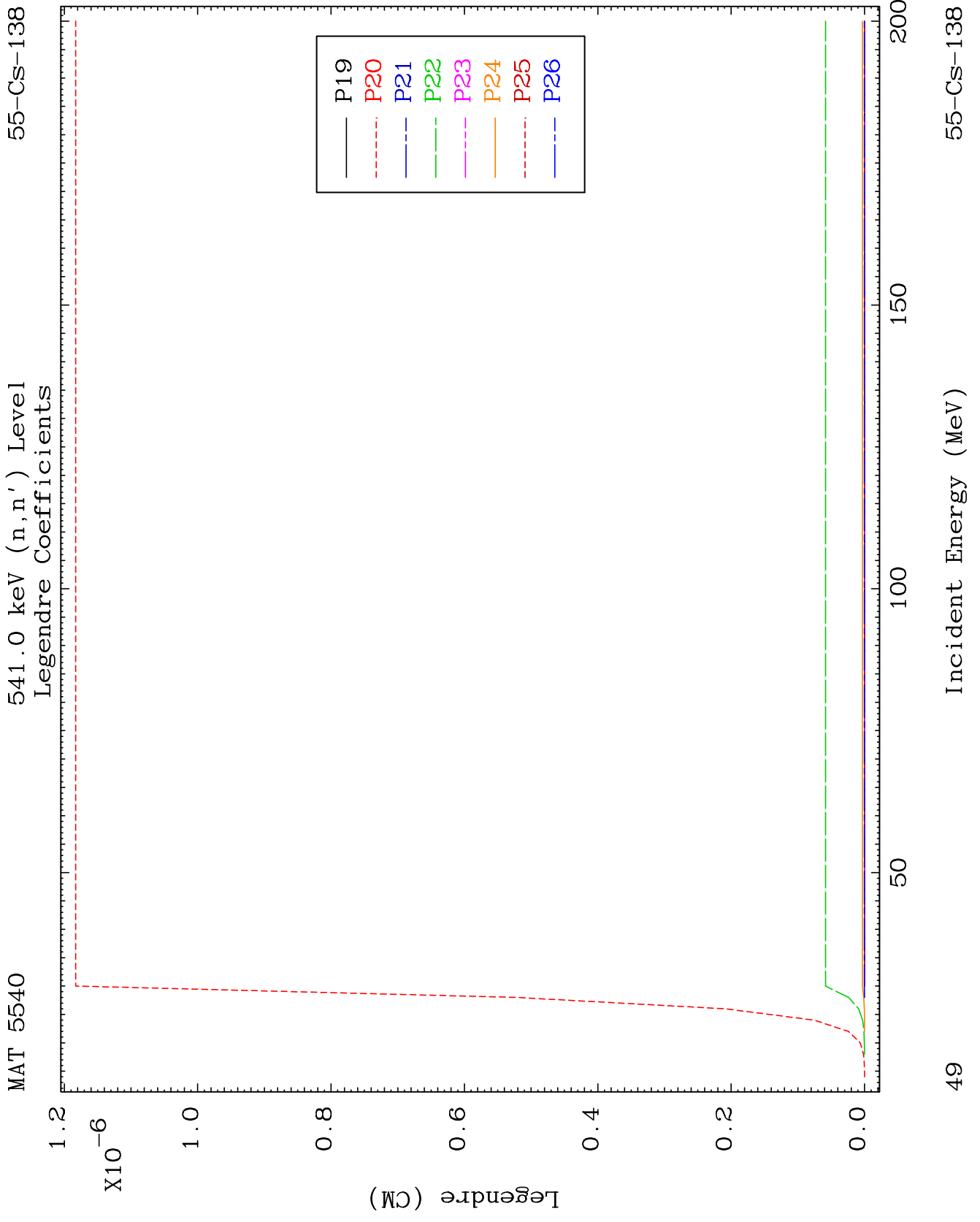


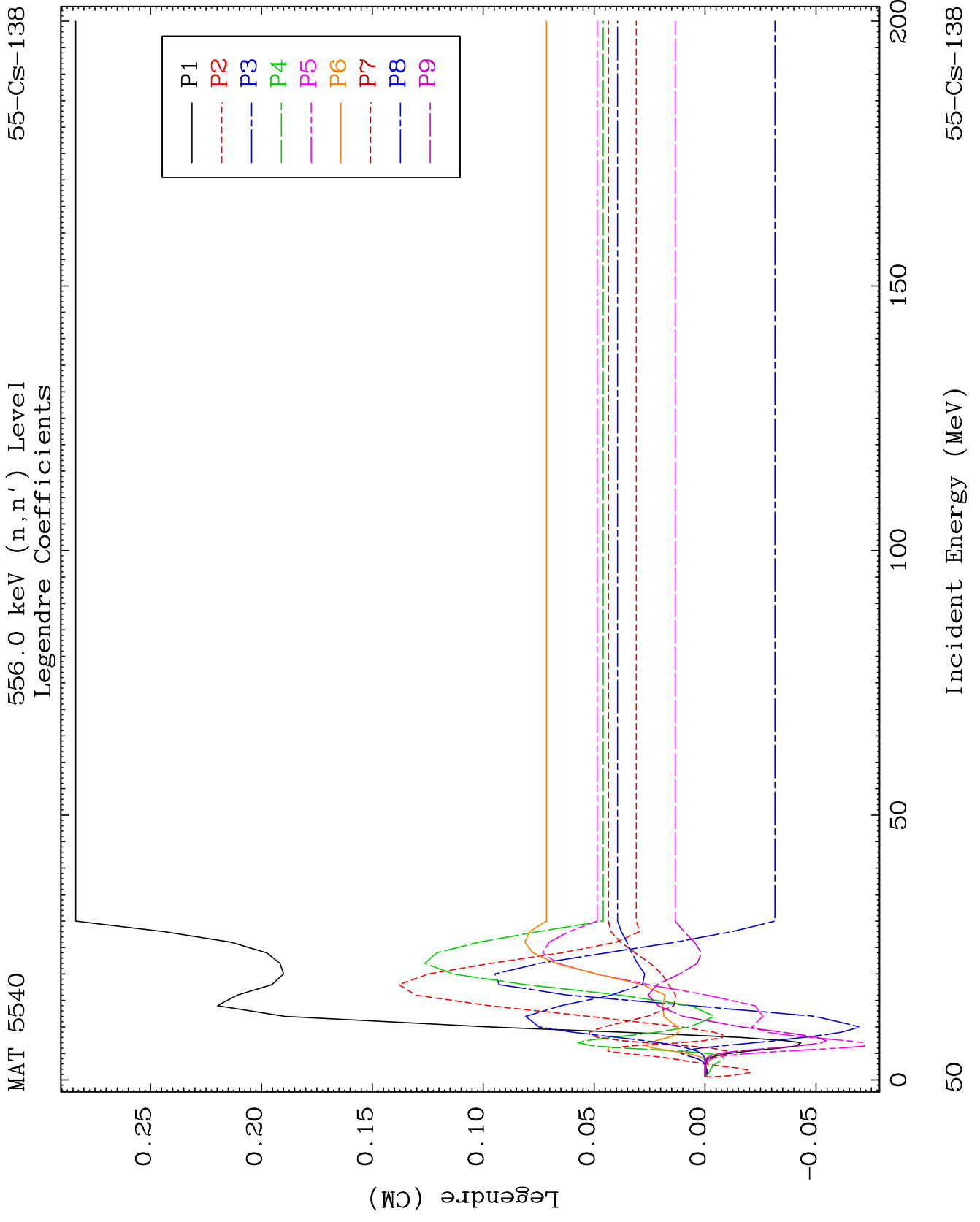


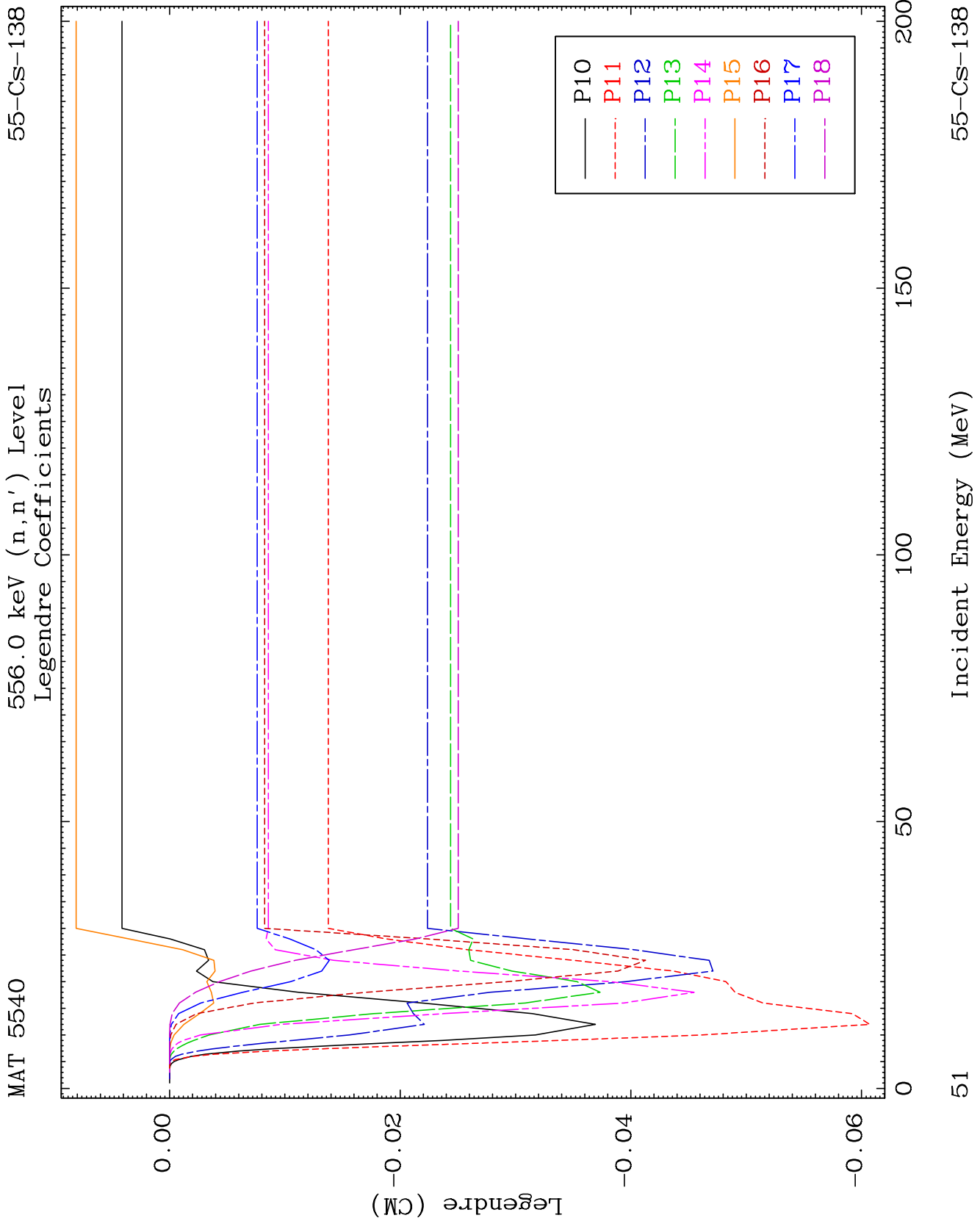


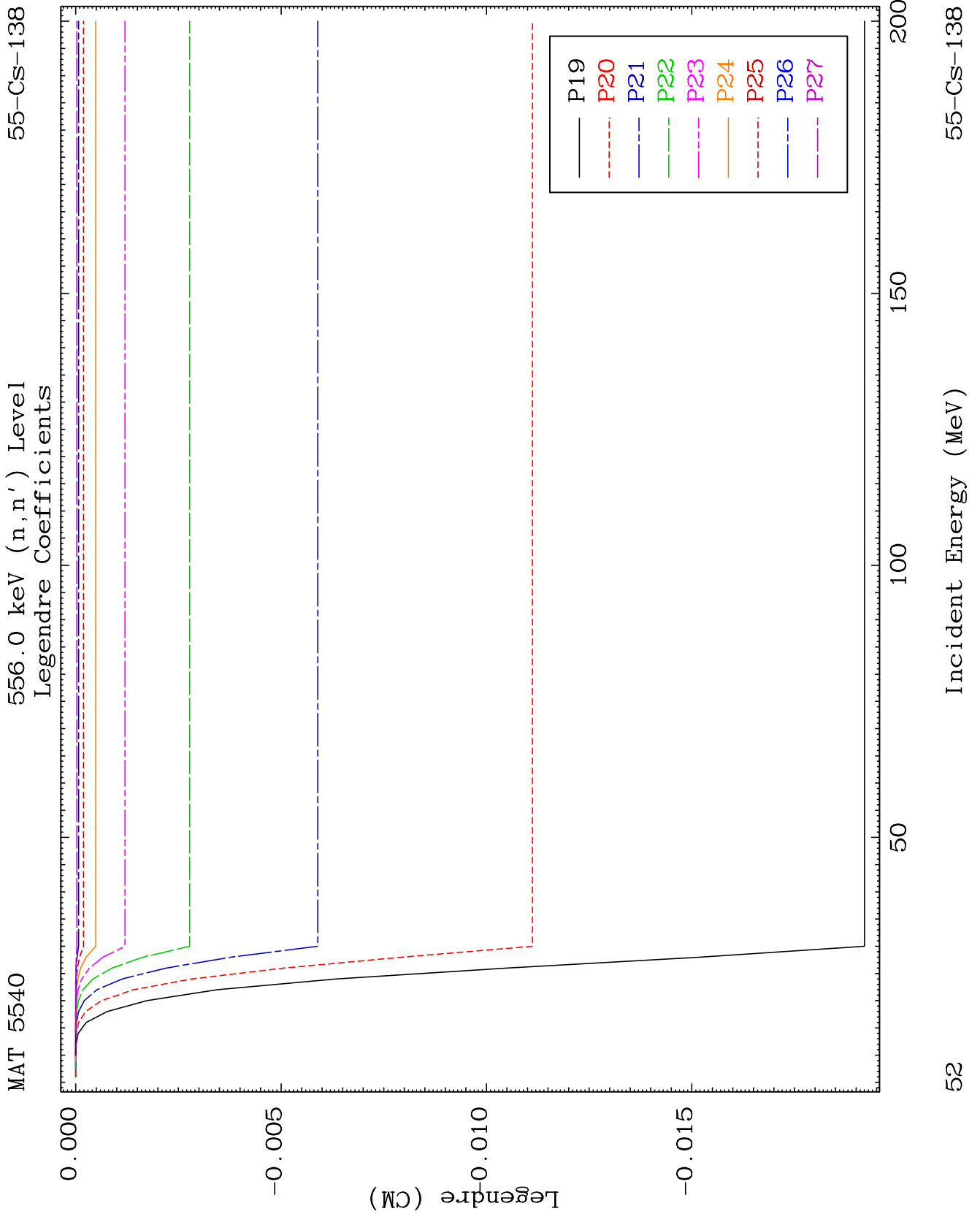


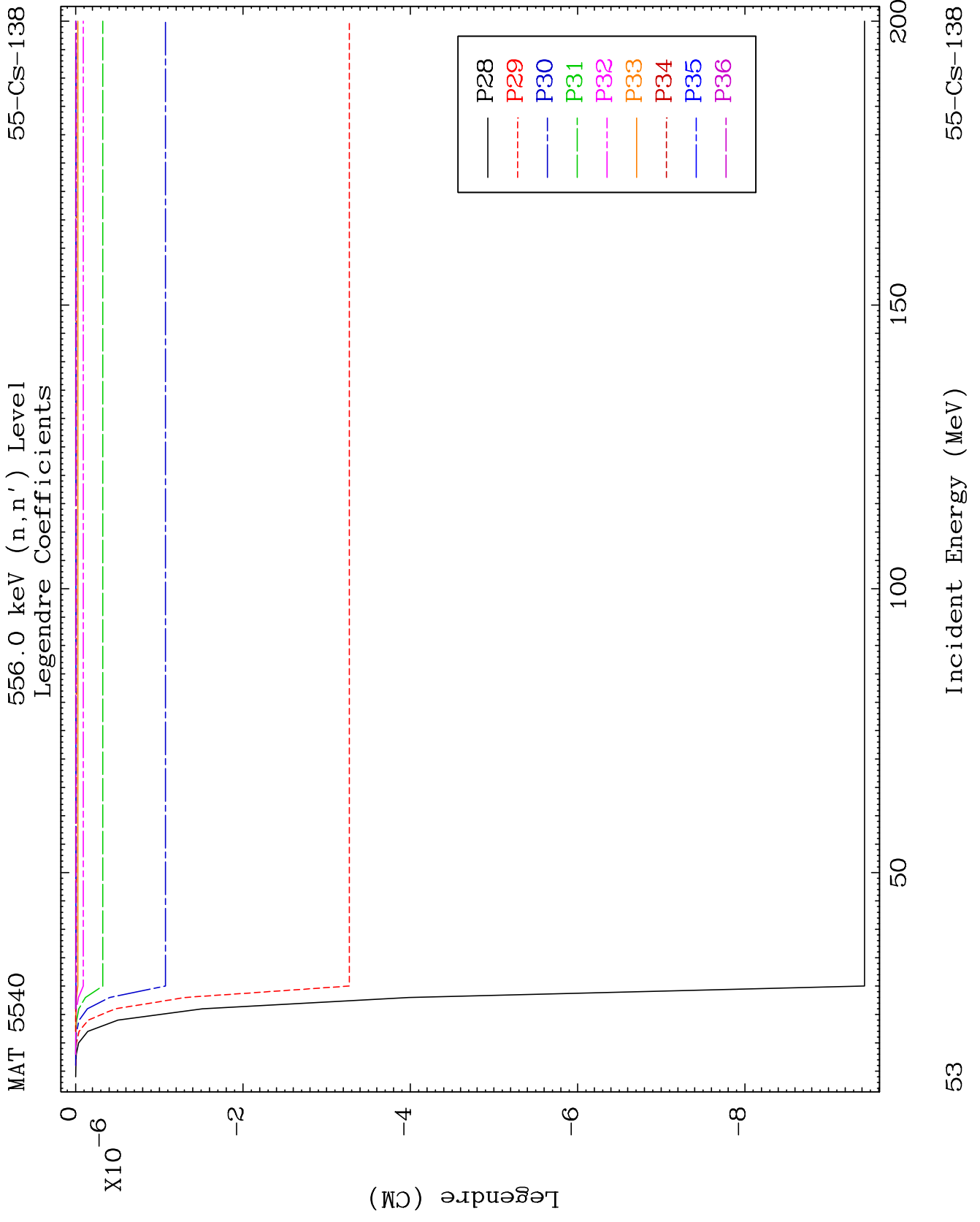








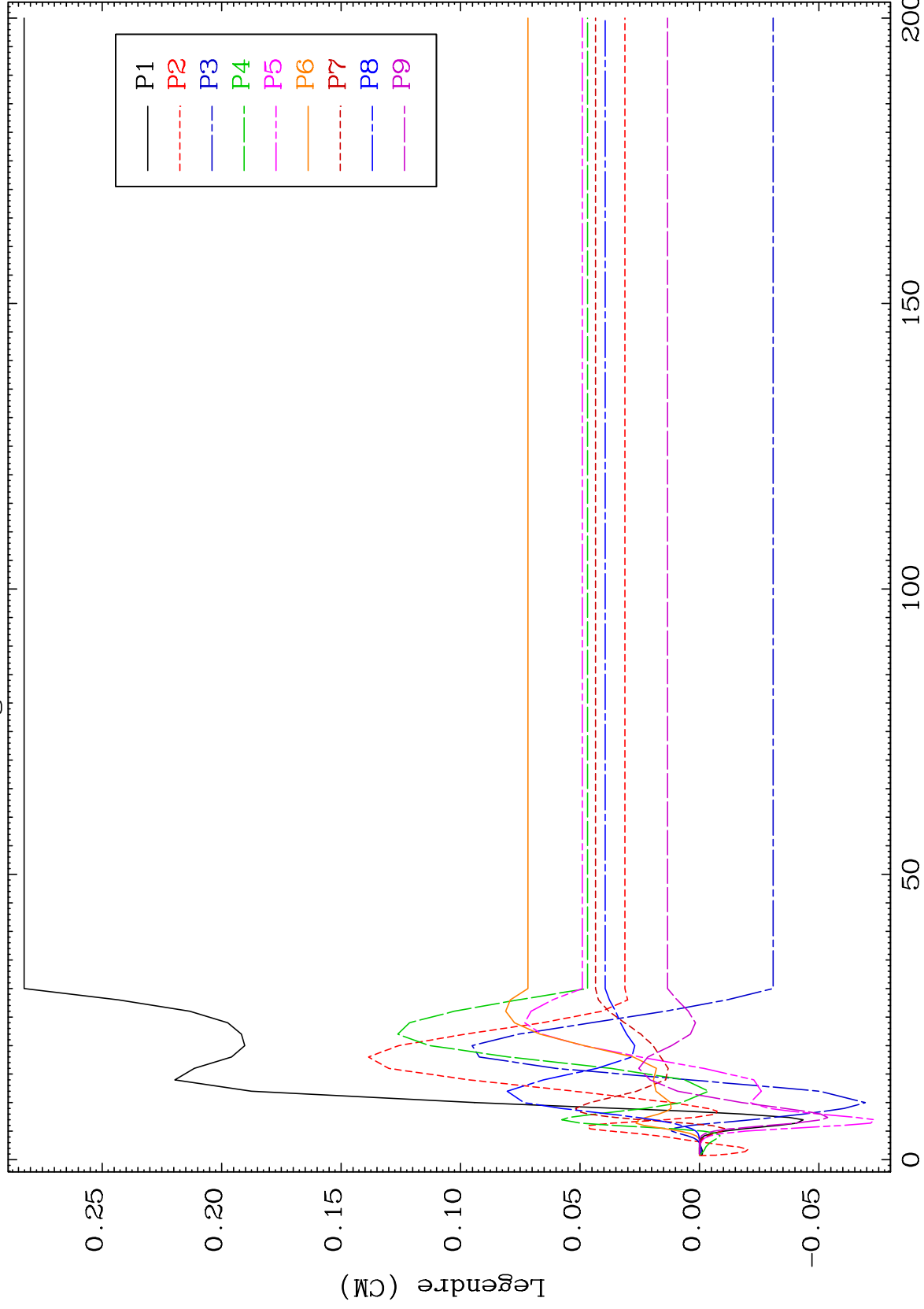




MAT 5540

691.1 keV (n,n') Level  
Legendre Coefficients

55-Cs-138



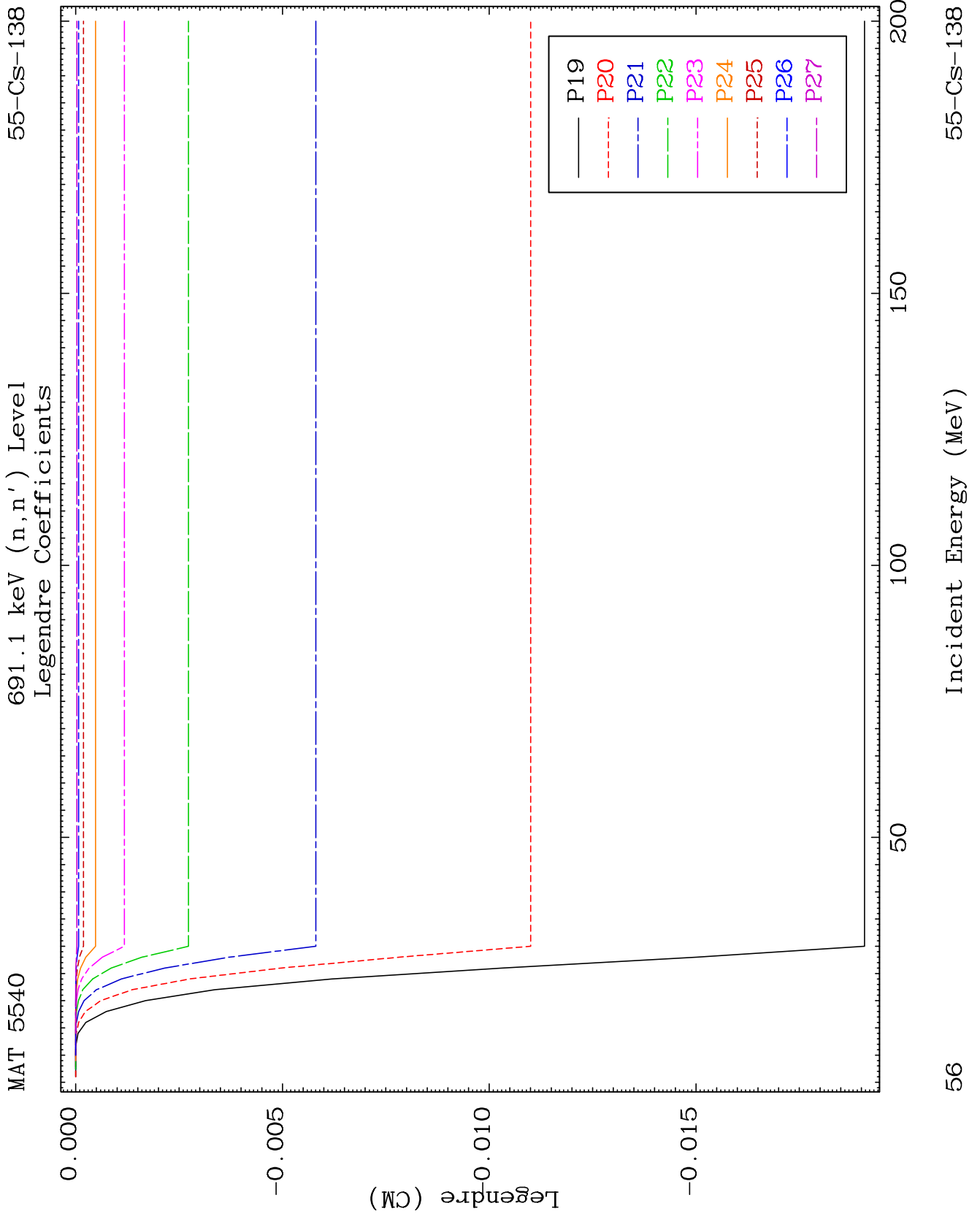
54

Incident Energy (MeV)

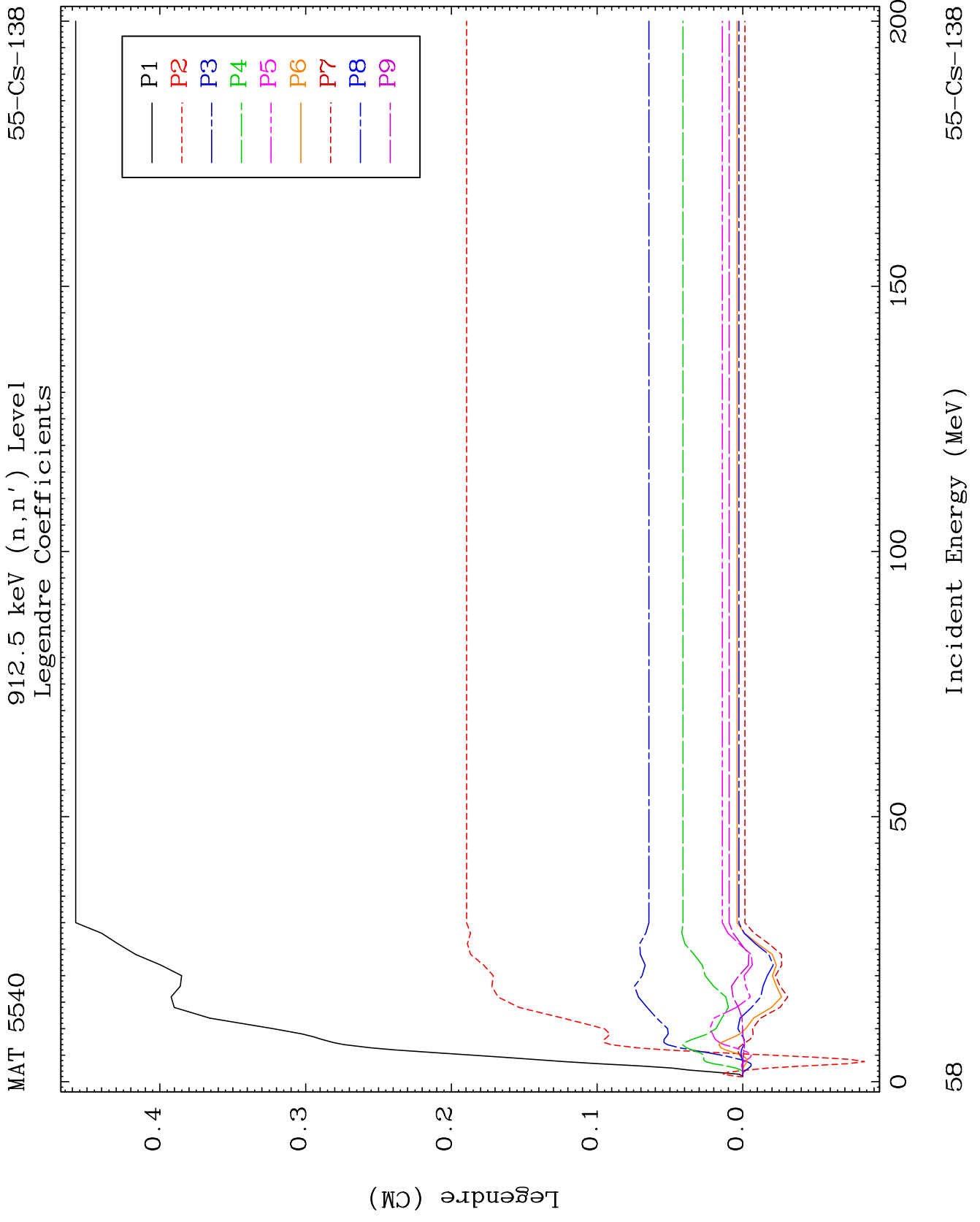
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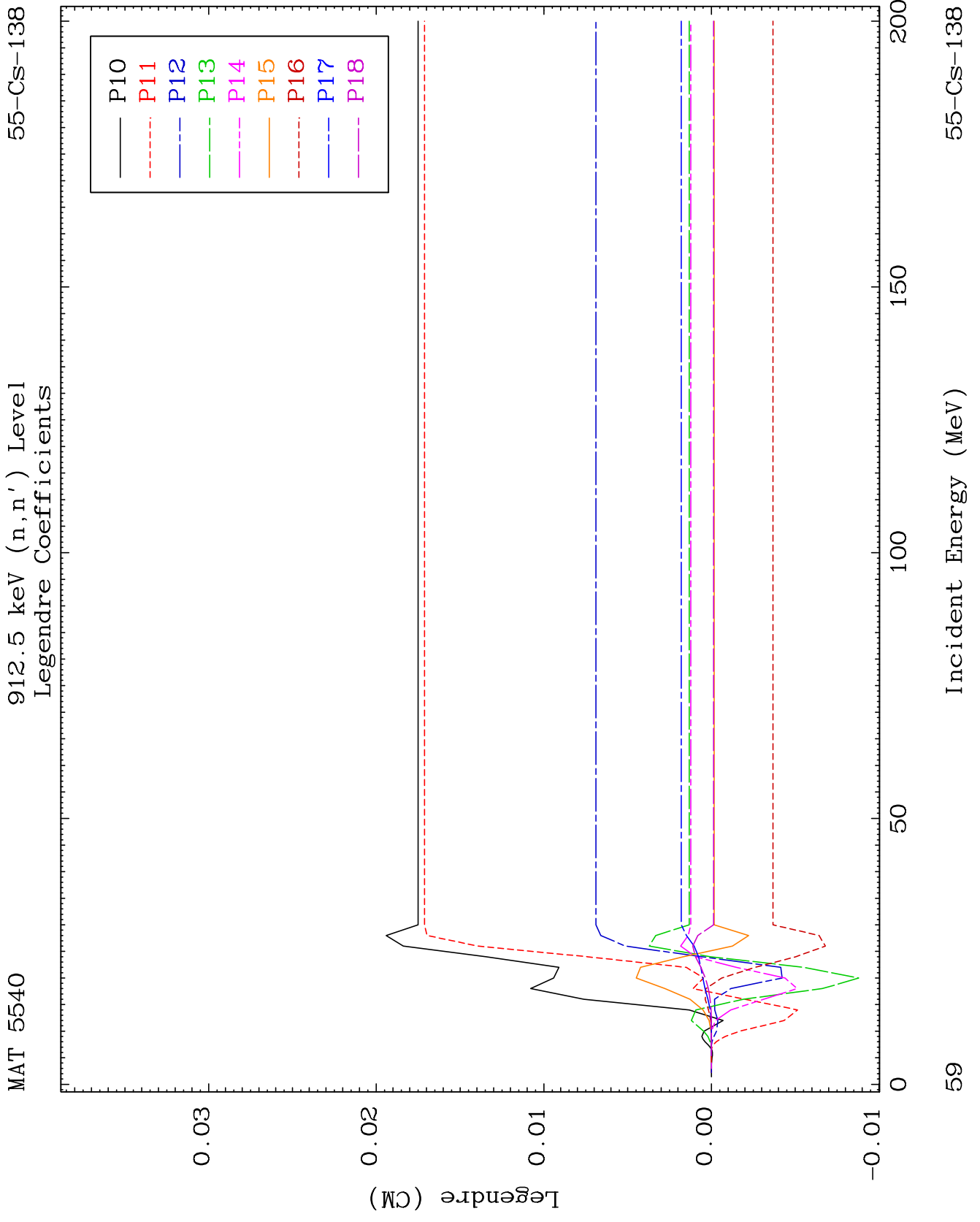


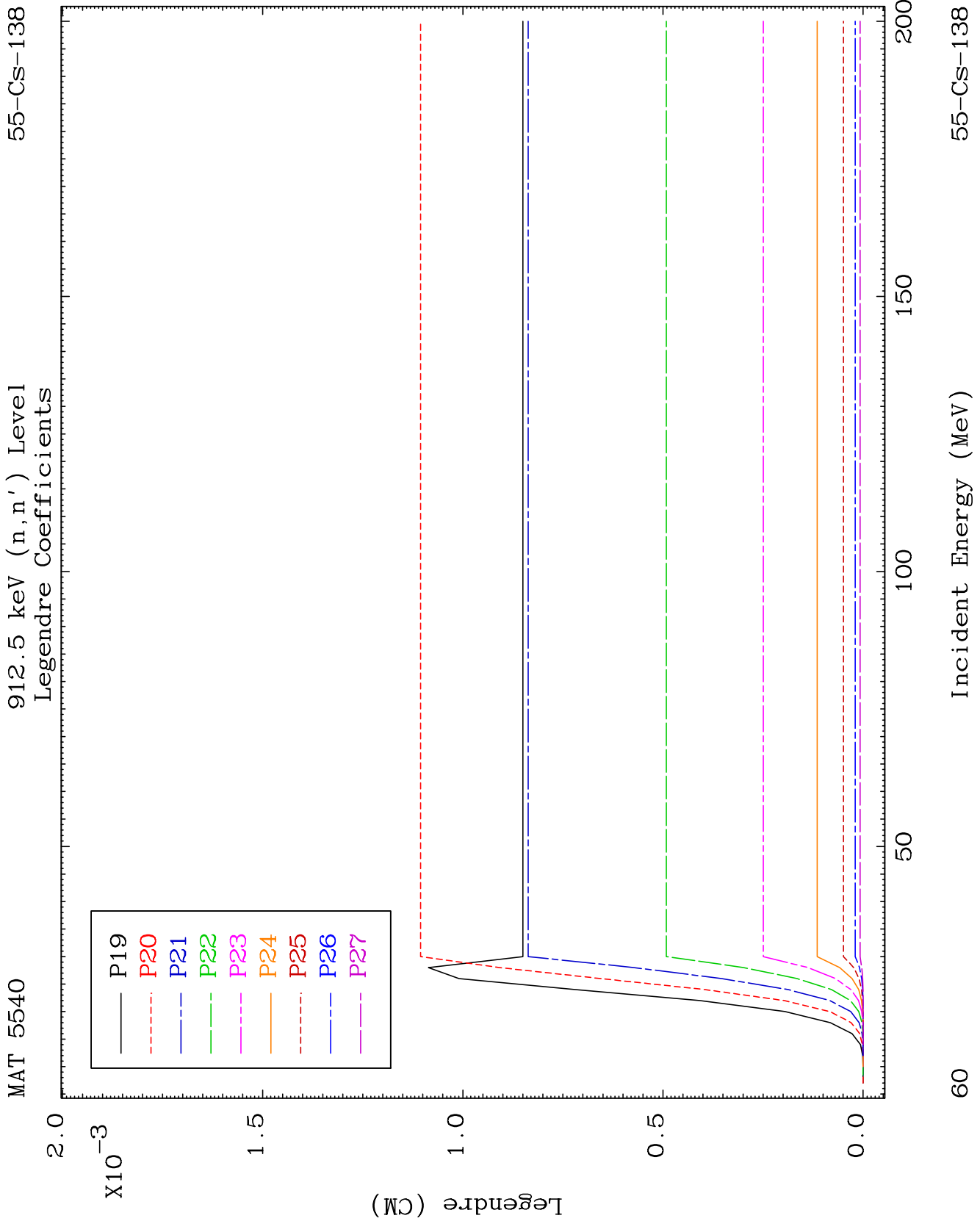








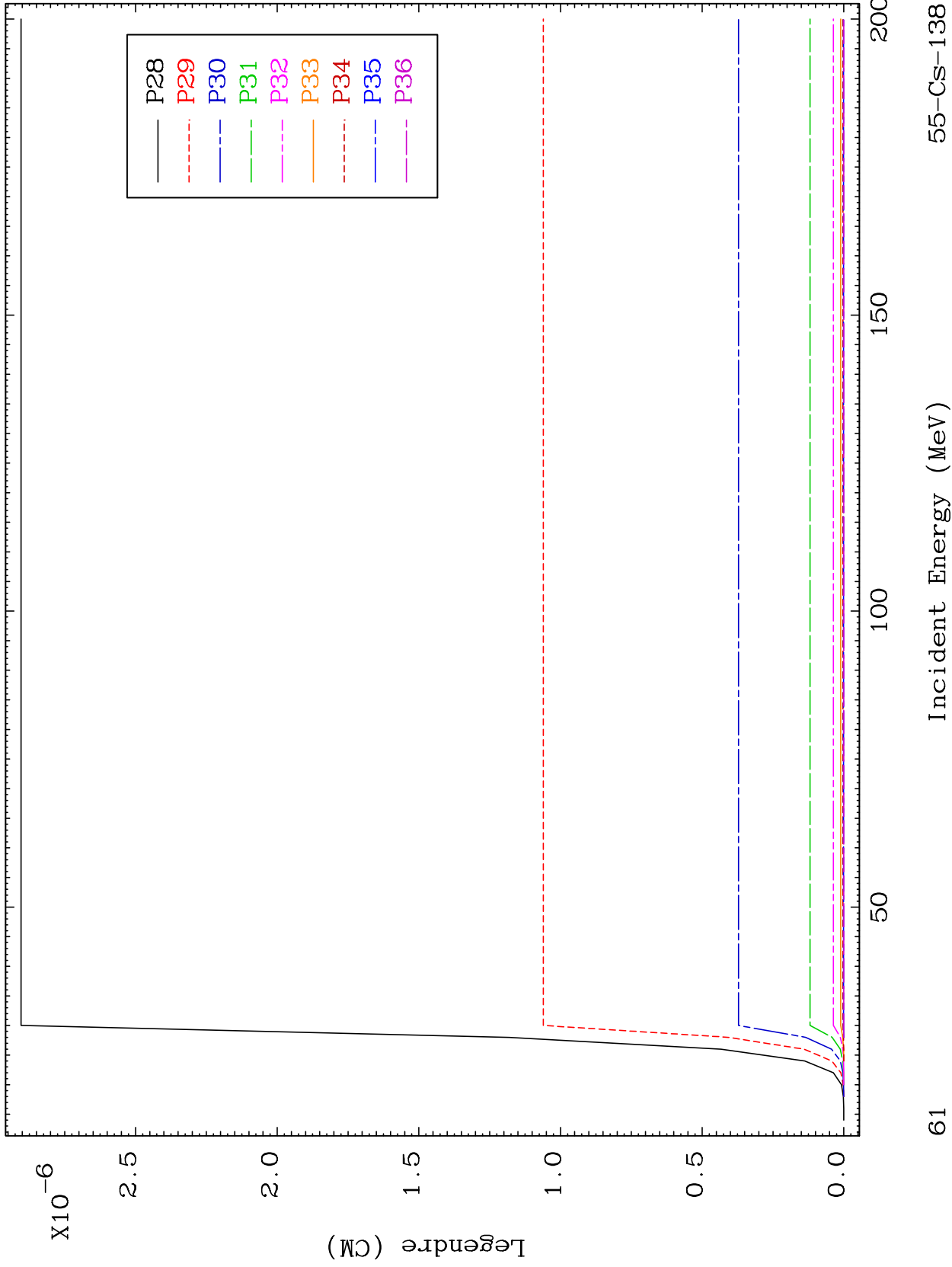




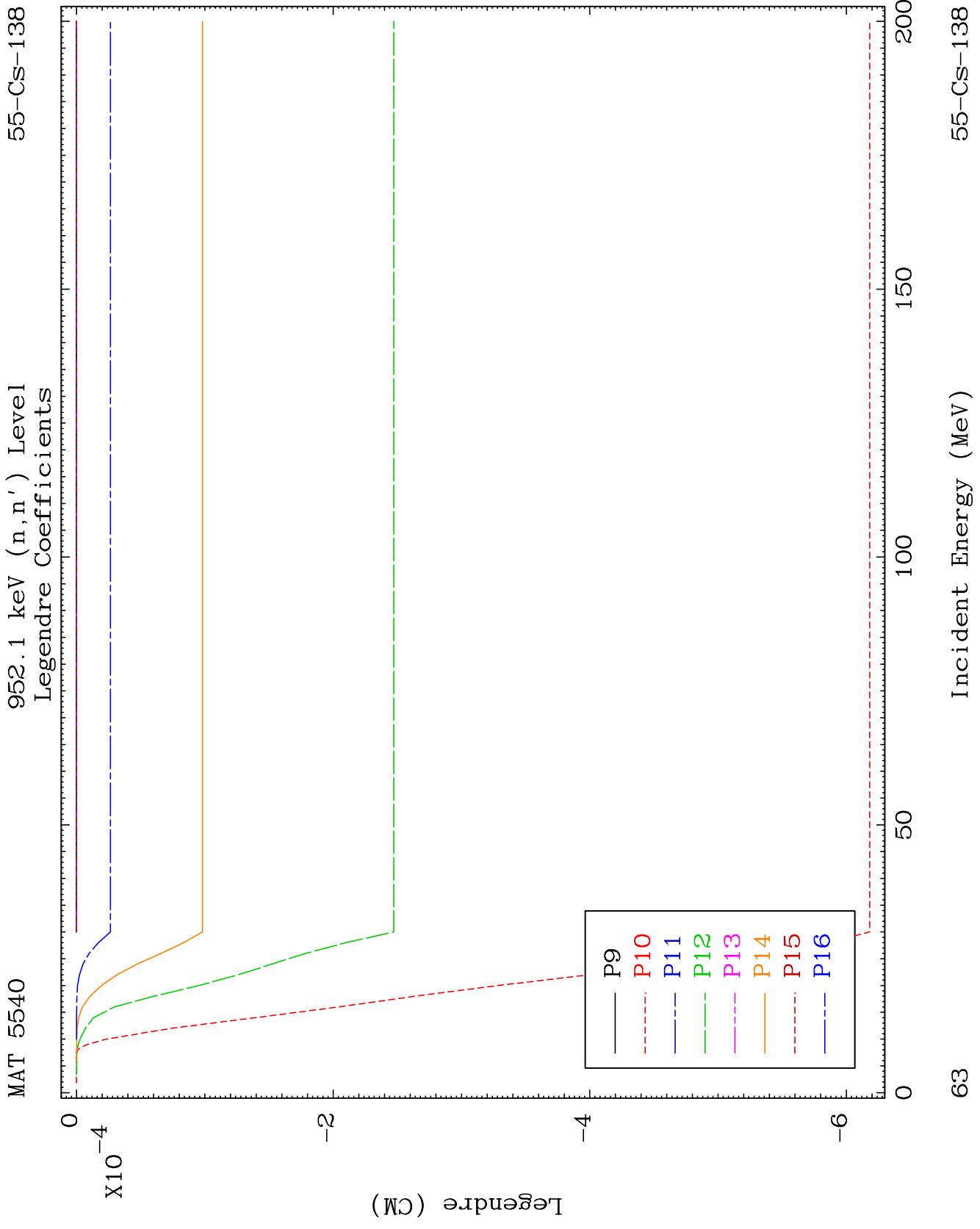
MAT 5540

912.5 keV (n,n') Level  
Legendre Coefficients

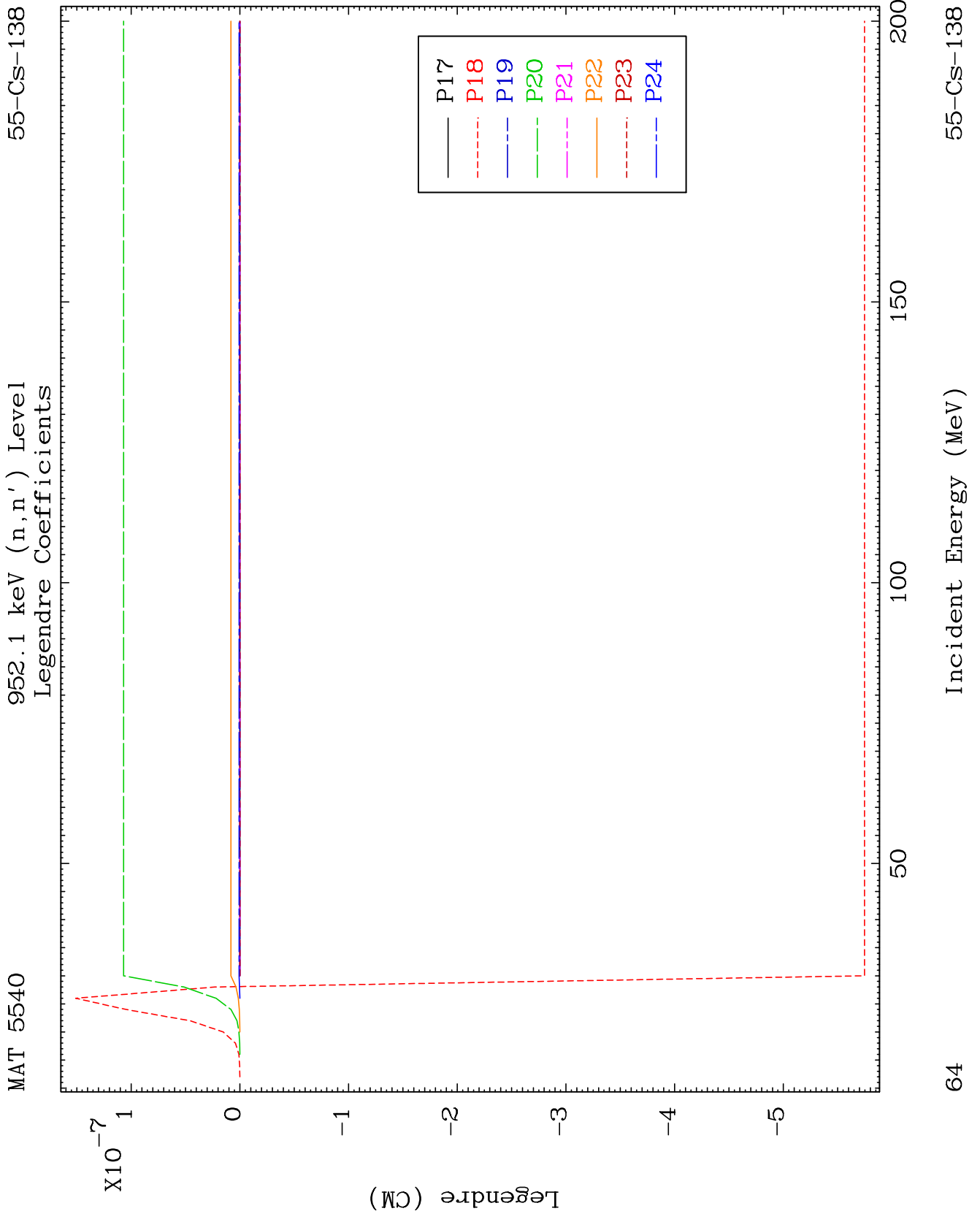
55-Cs-138

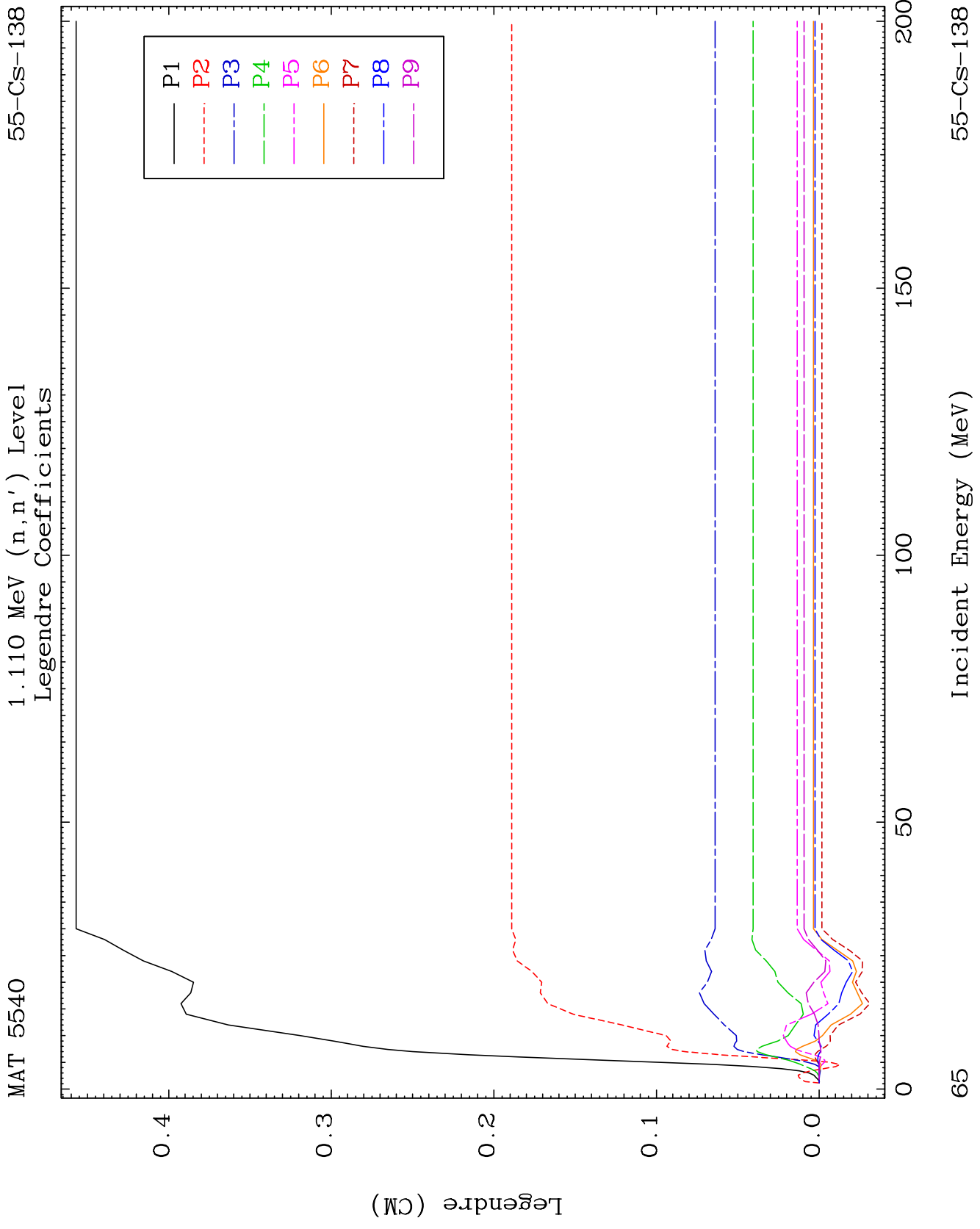


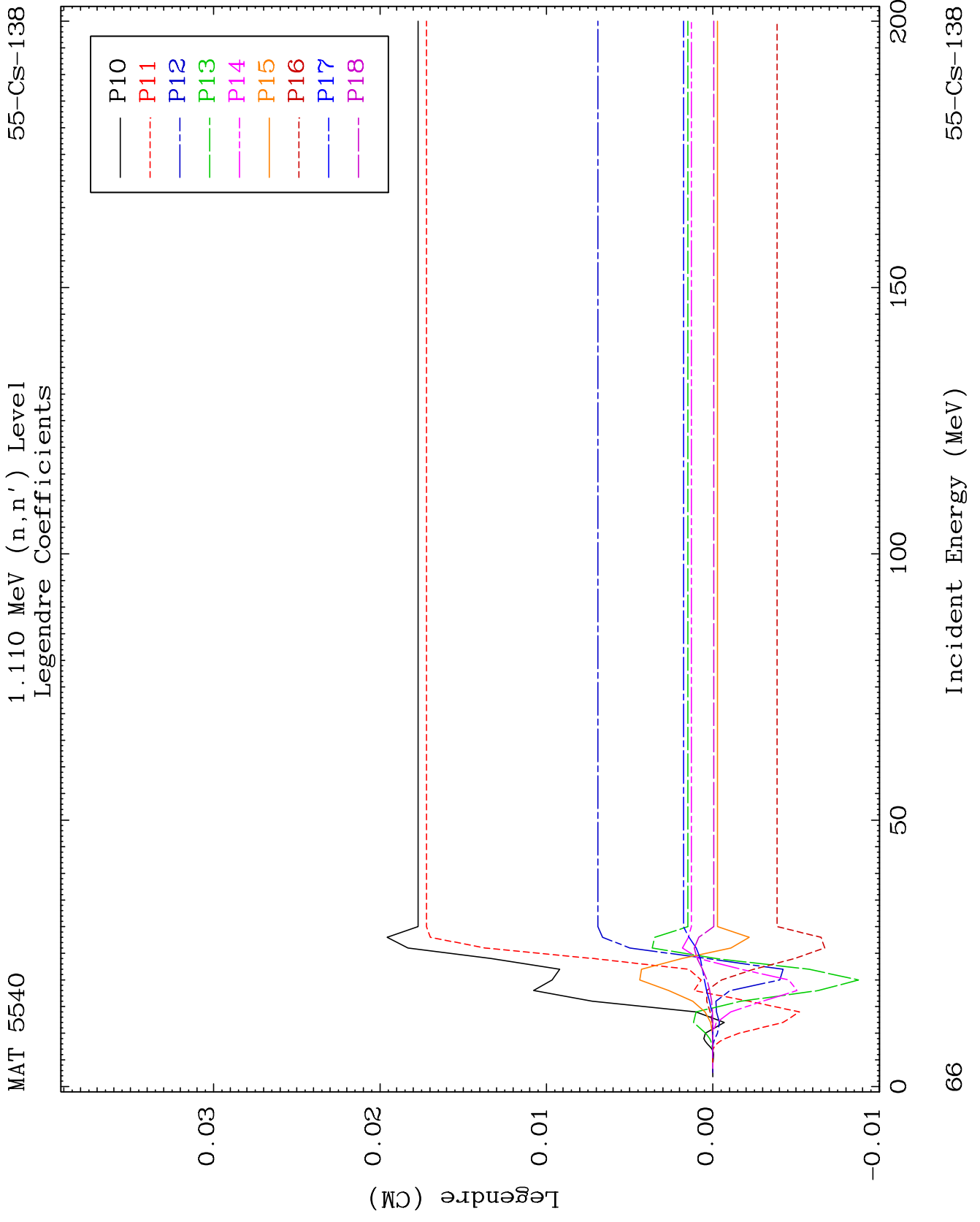








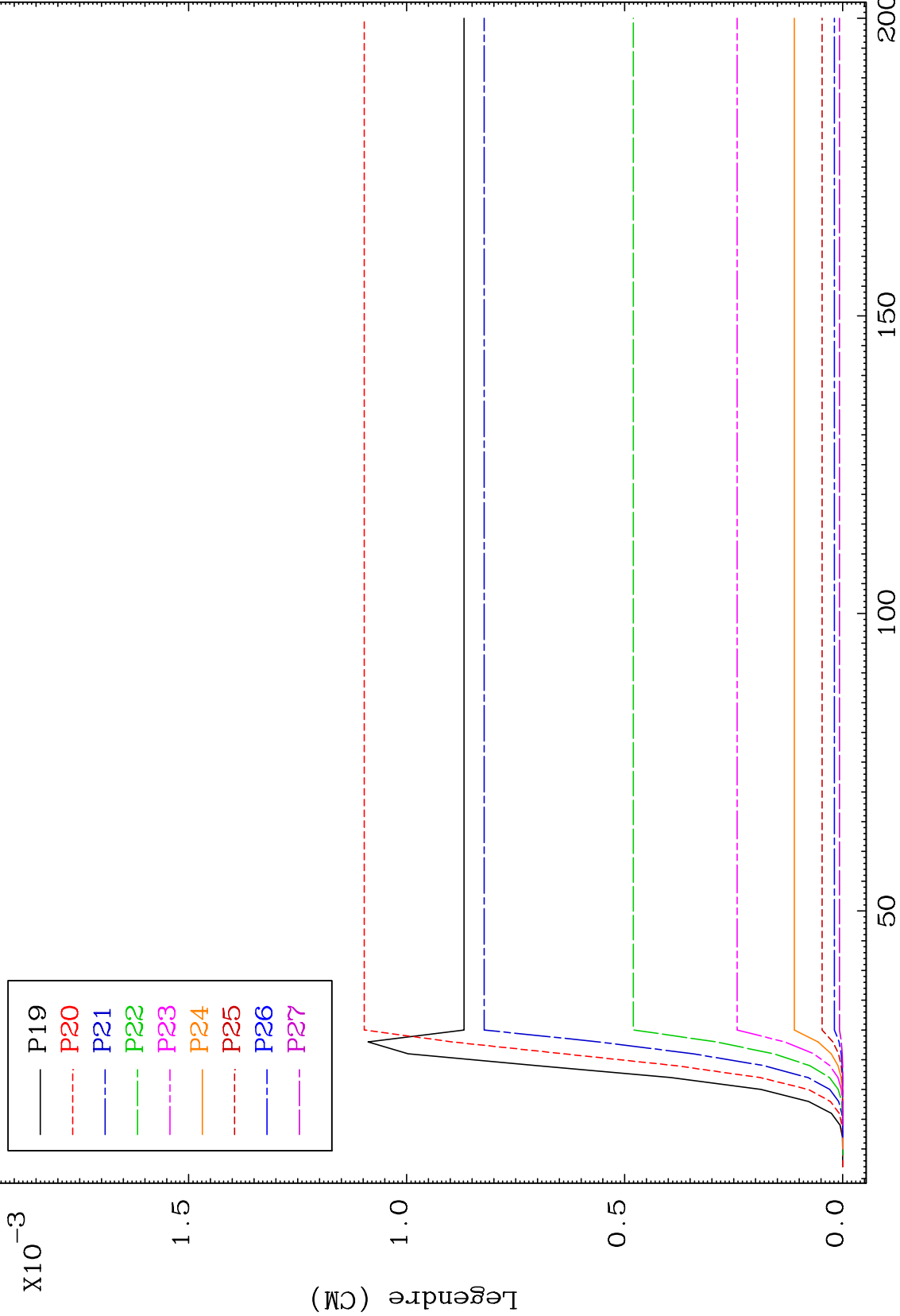
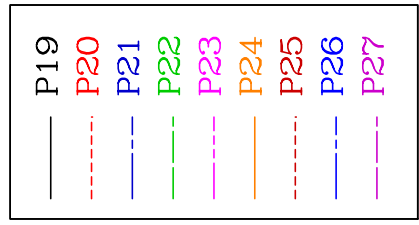




MAT 5540

1.110 MeV (n,n') Level  
Legendre Coefficients

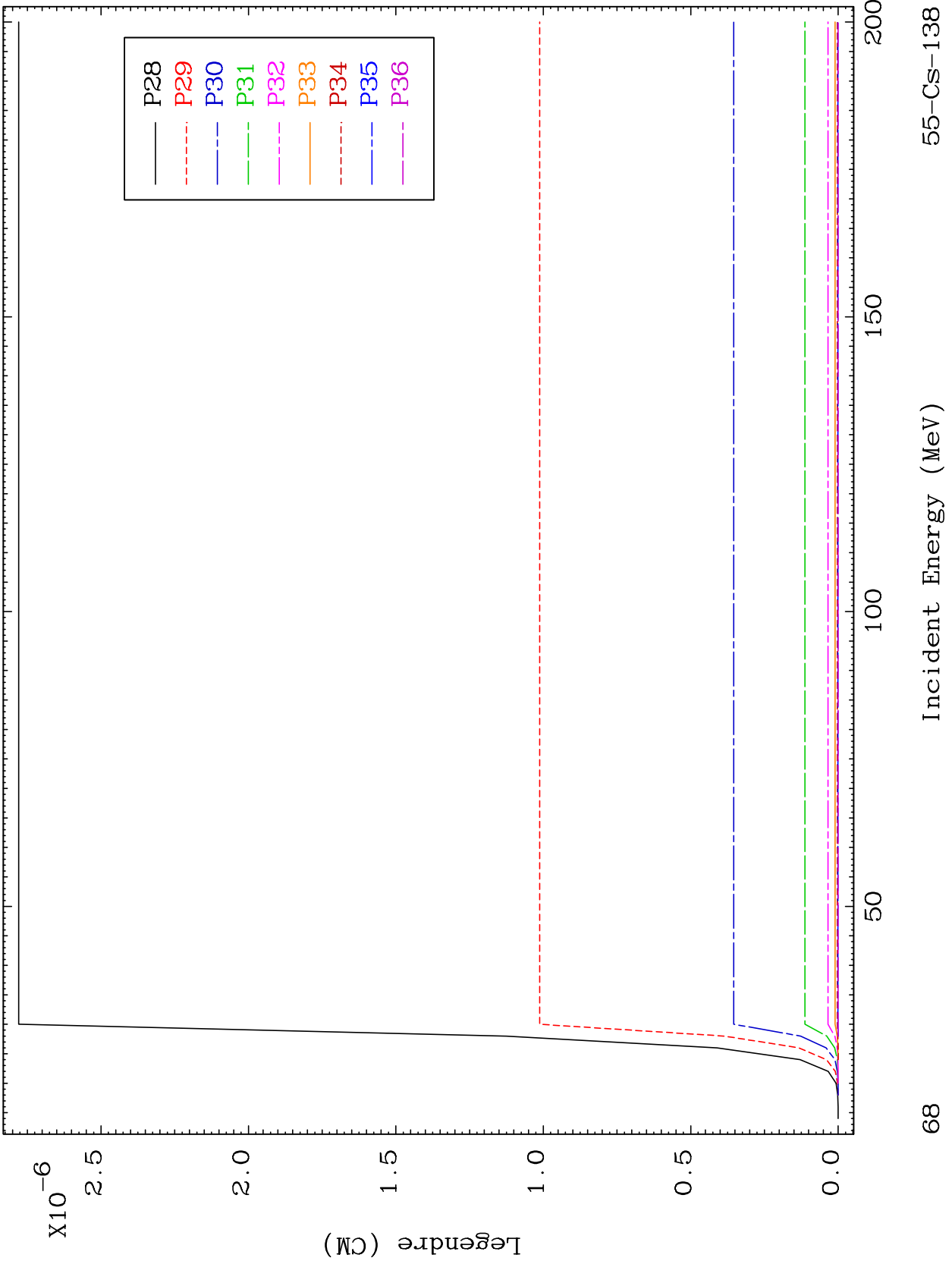
55-Cs-138



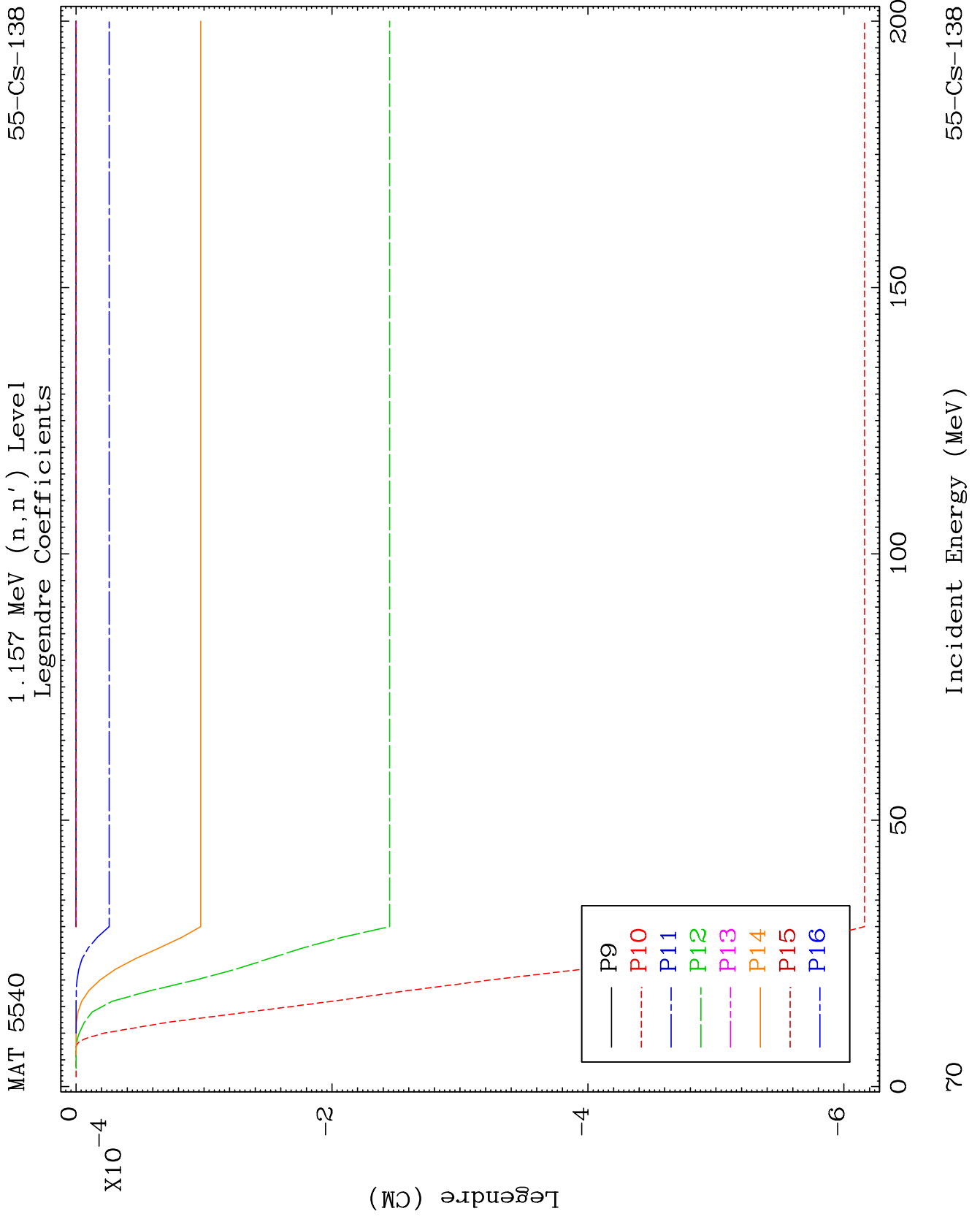
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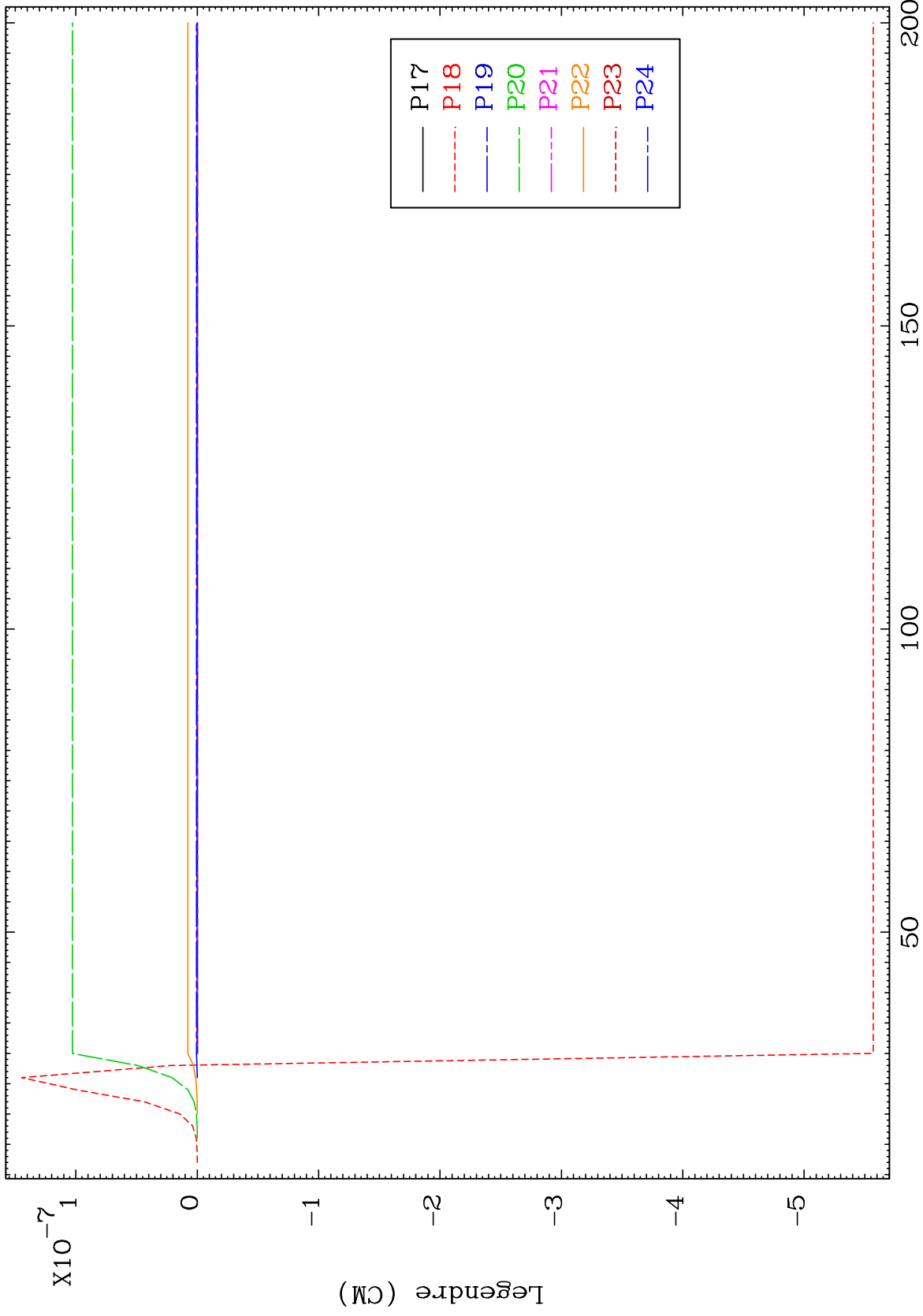
Incident Energy (MeV)

55-Cs-138







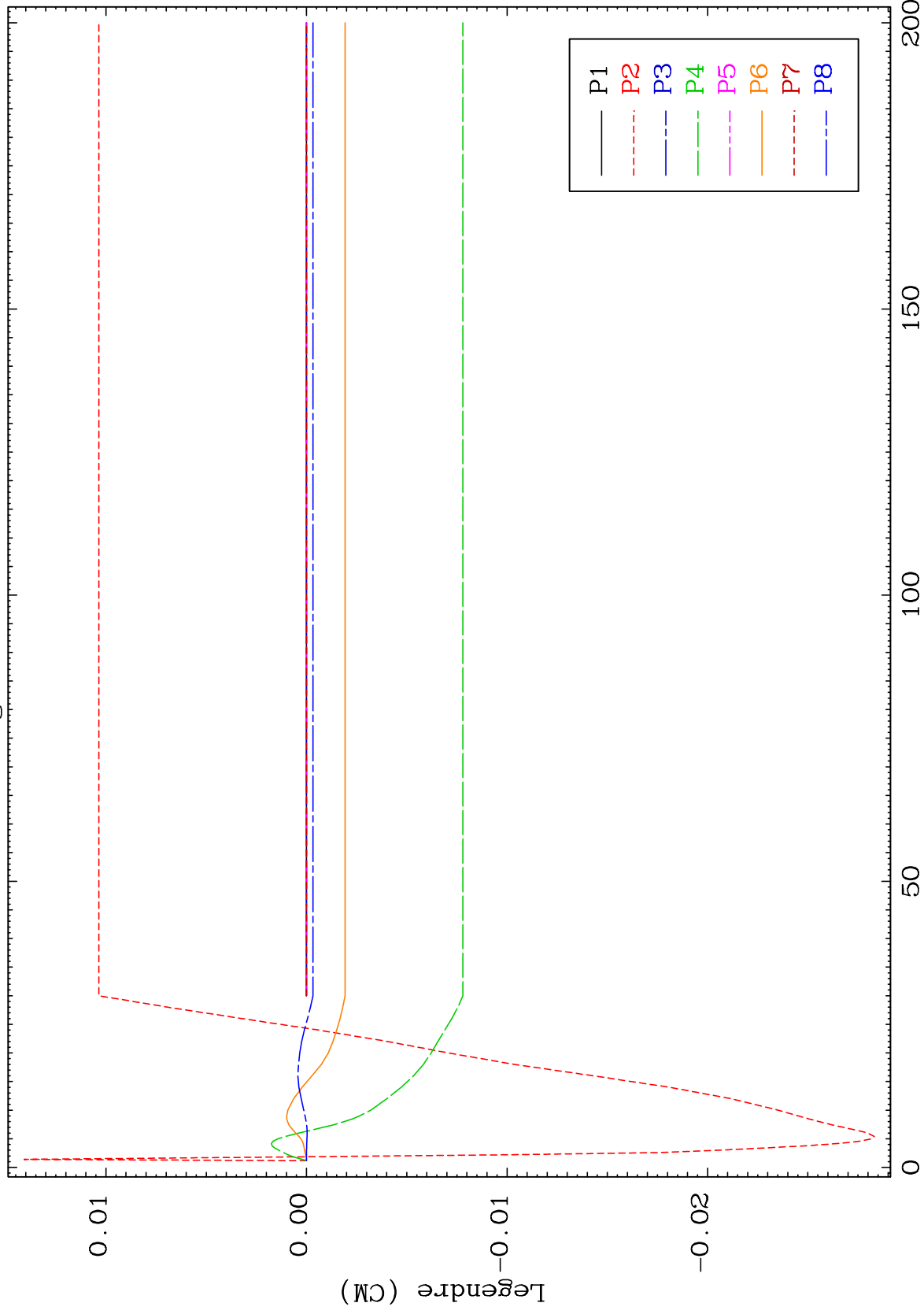




MAT 5540

1.161 MeV (n,n') Level  
Legendre Coefficients

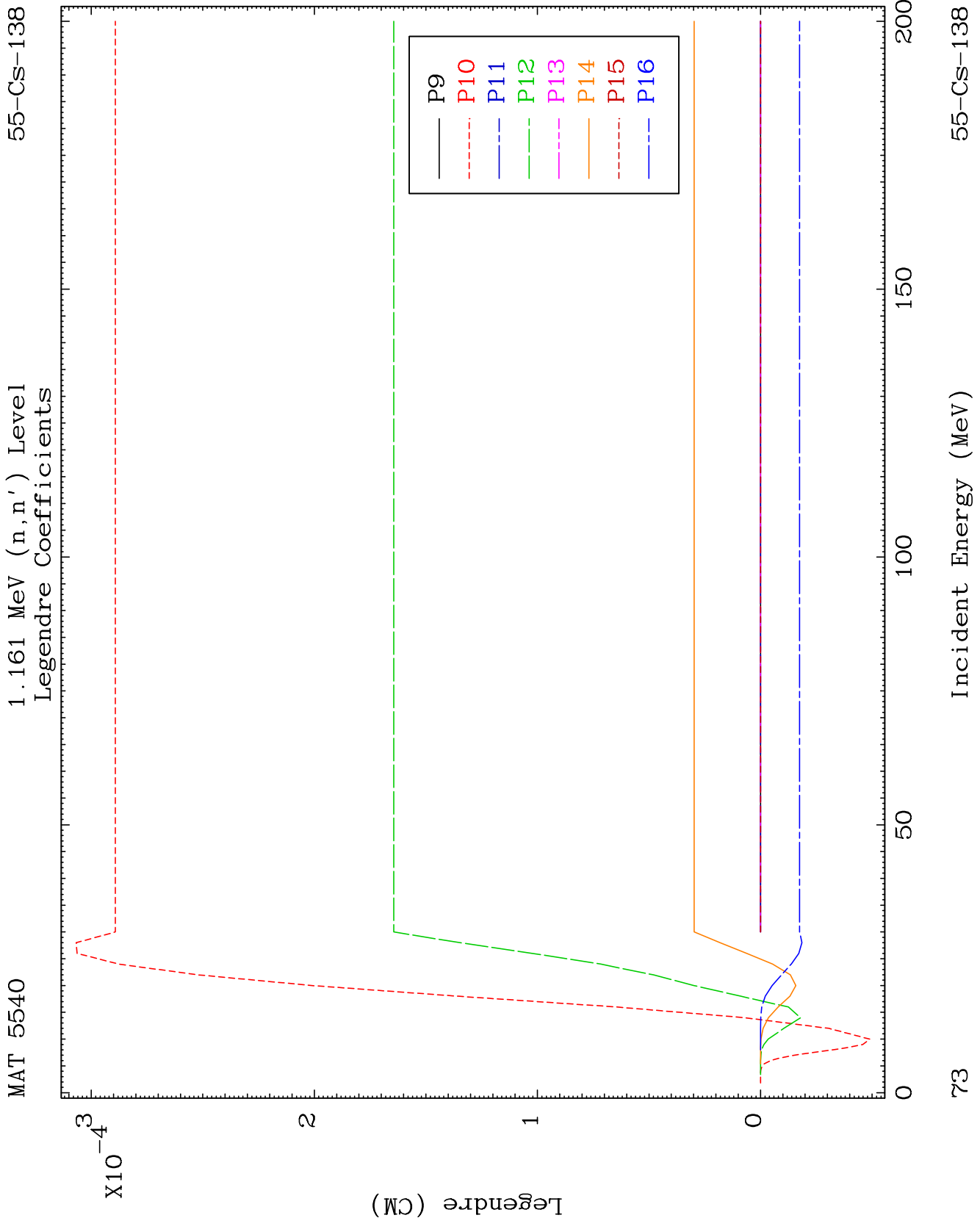
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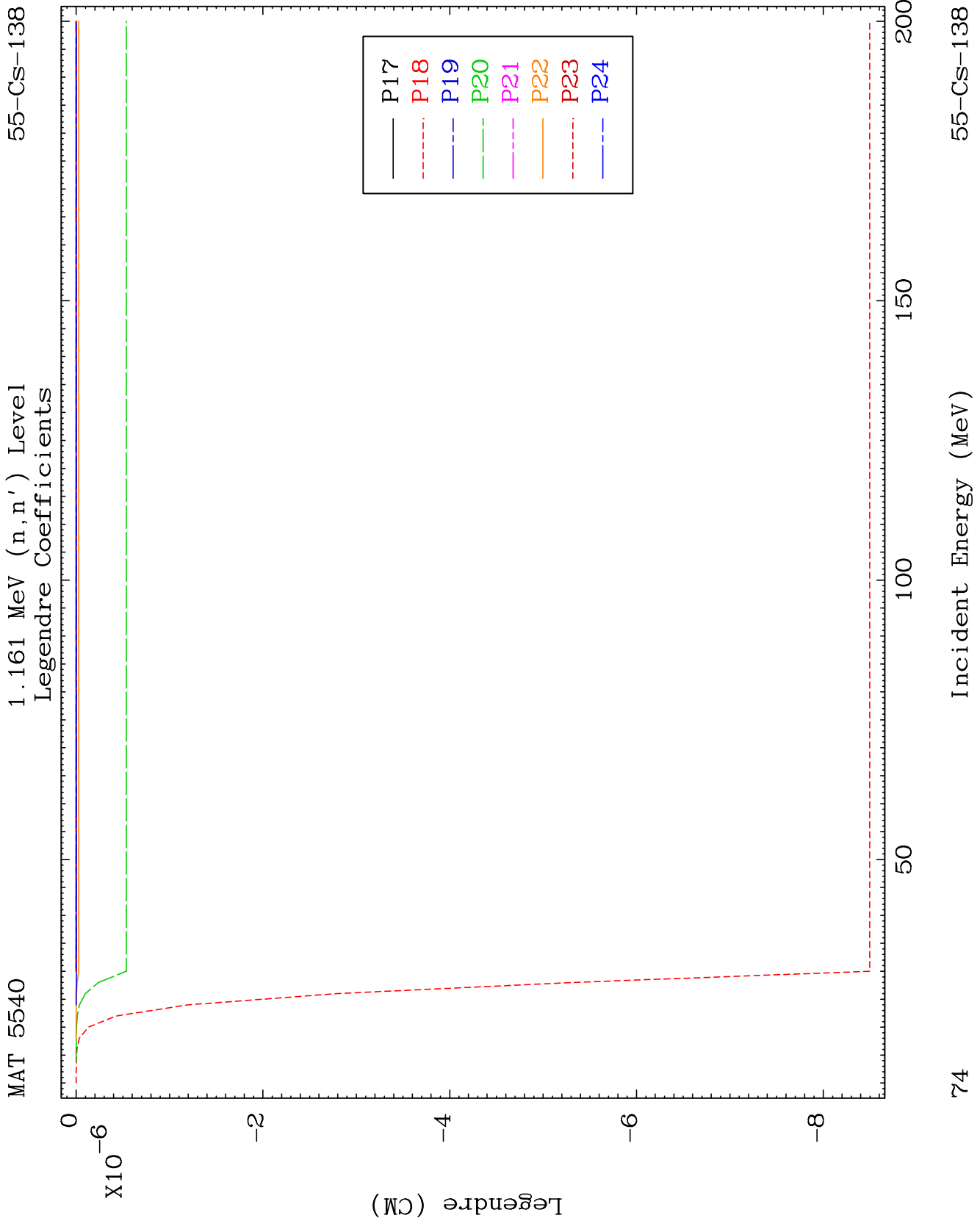


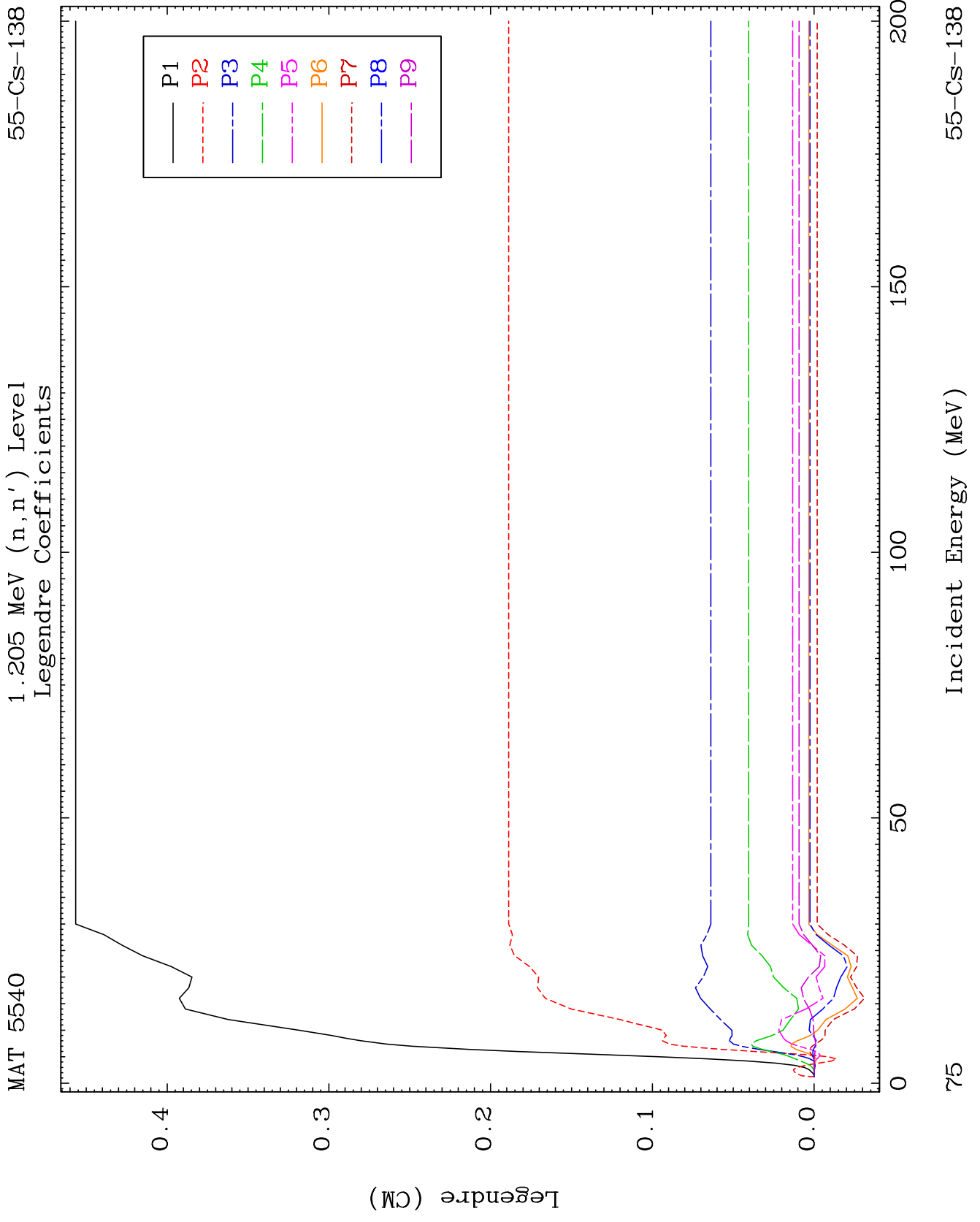
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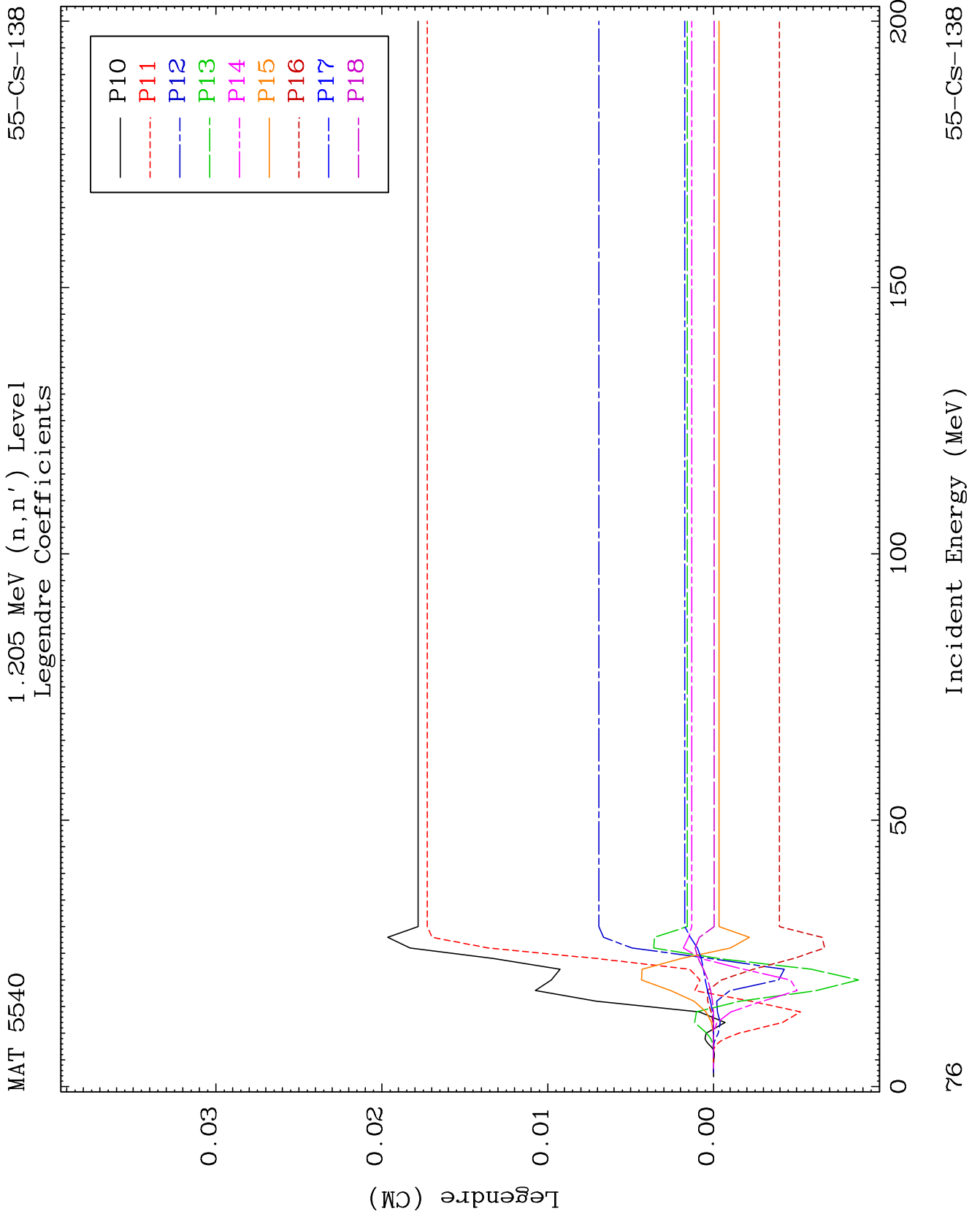
Incident Energy (MeV)

55-Cs-138





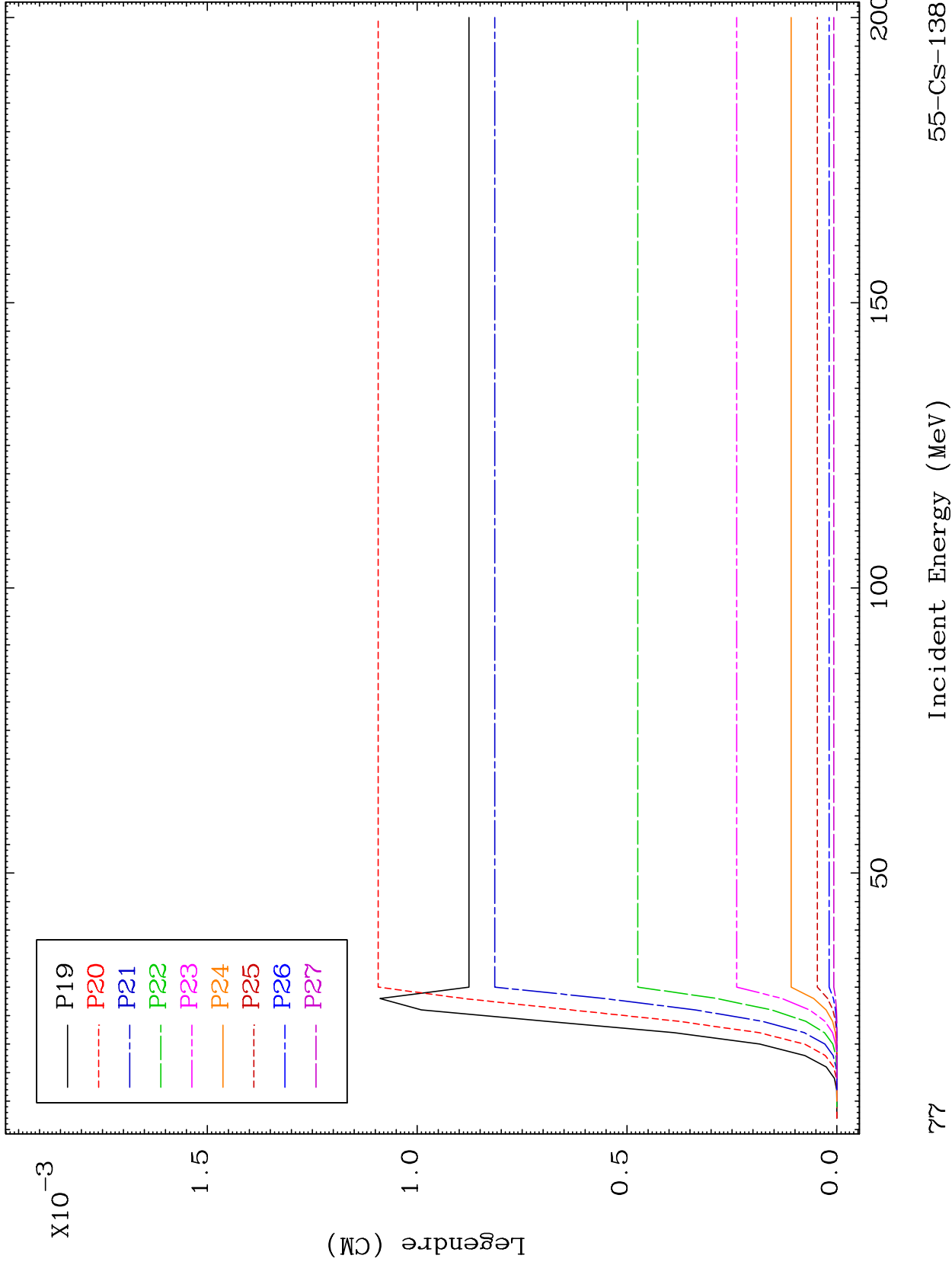




MAT 5540

1.205 MeV (n,n') Level  
Legendre Coefficients

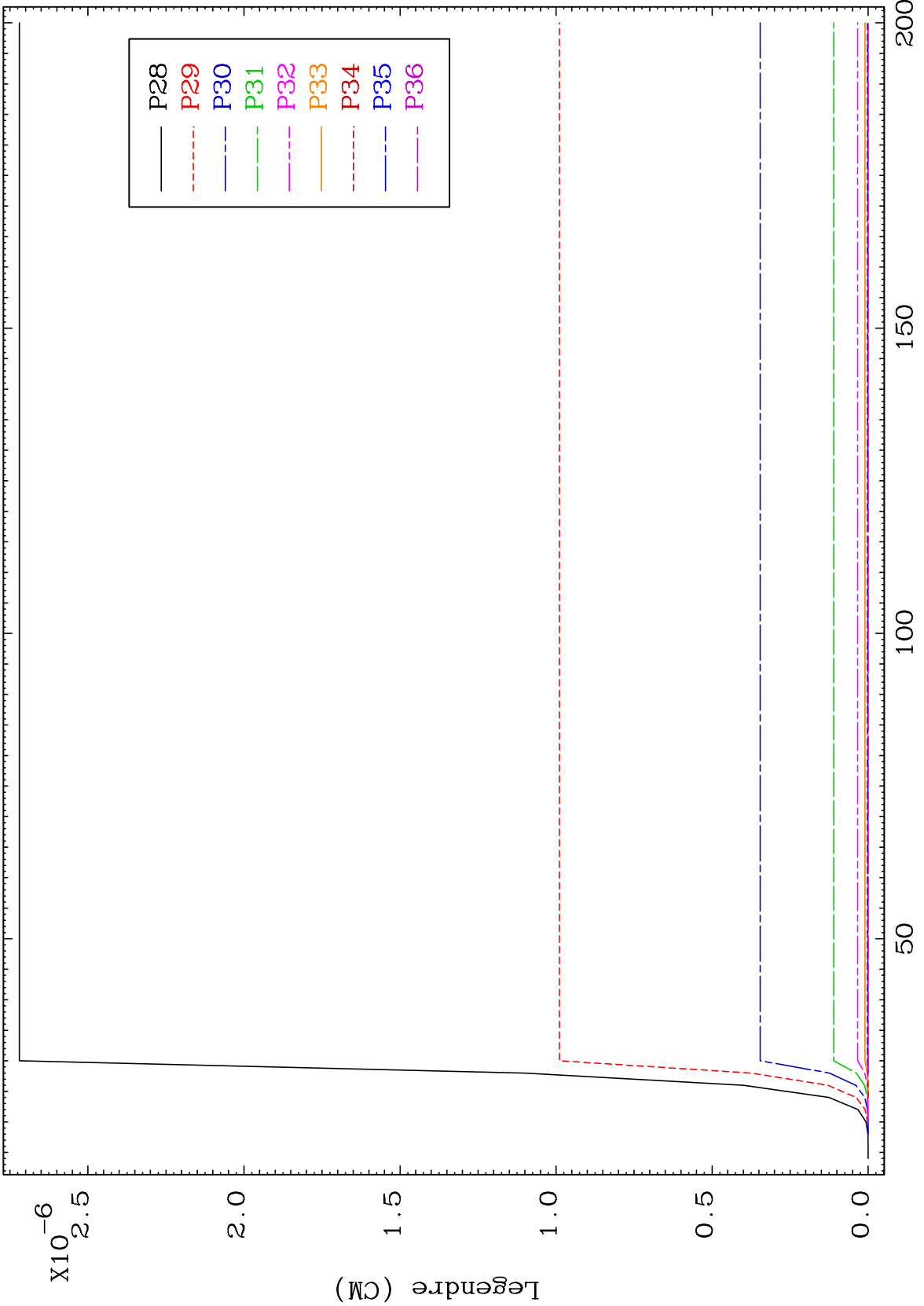
55-Cs-138



77

Incident Energy (MeV)

55-Cs-138



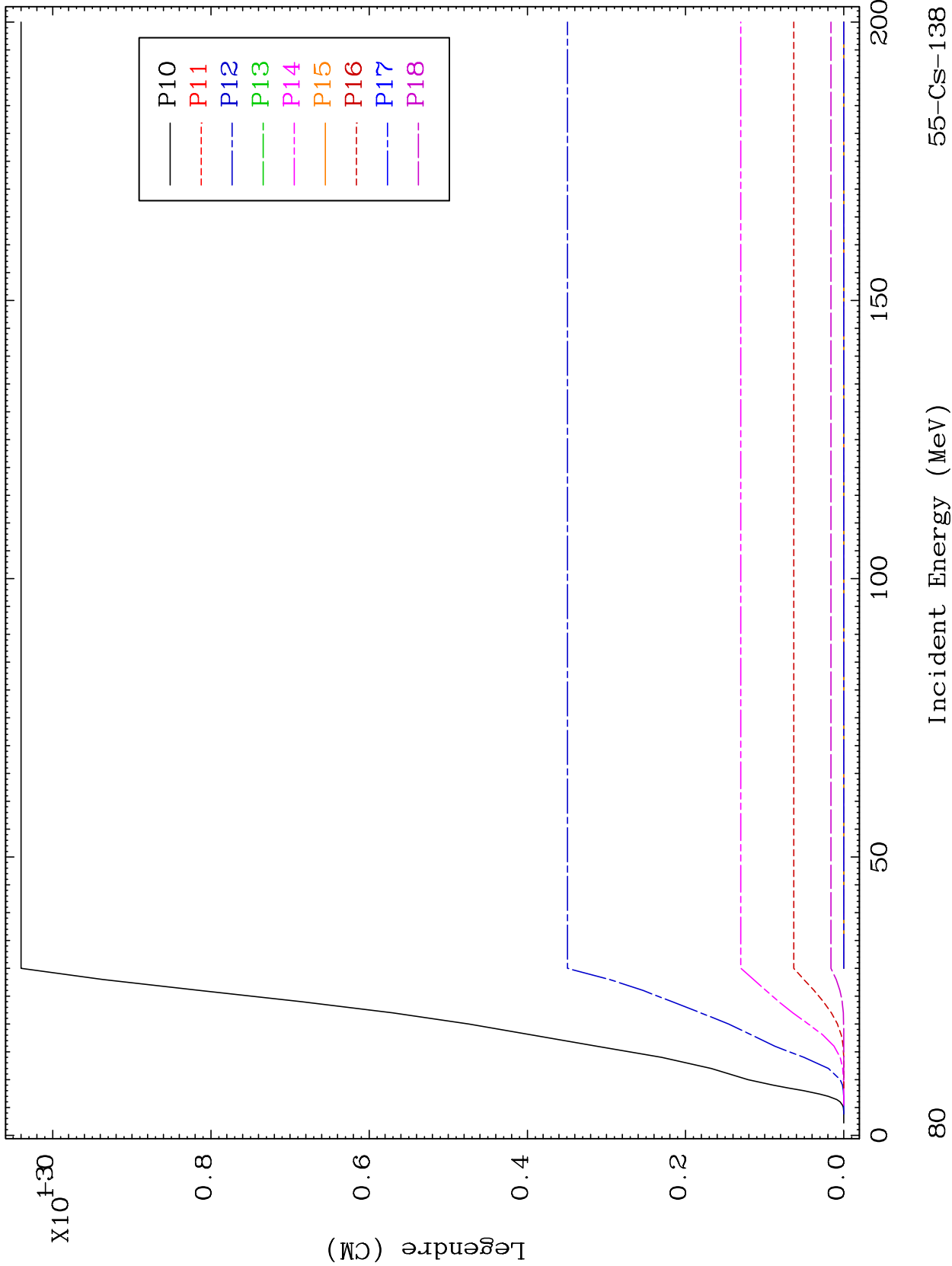




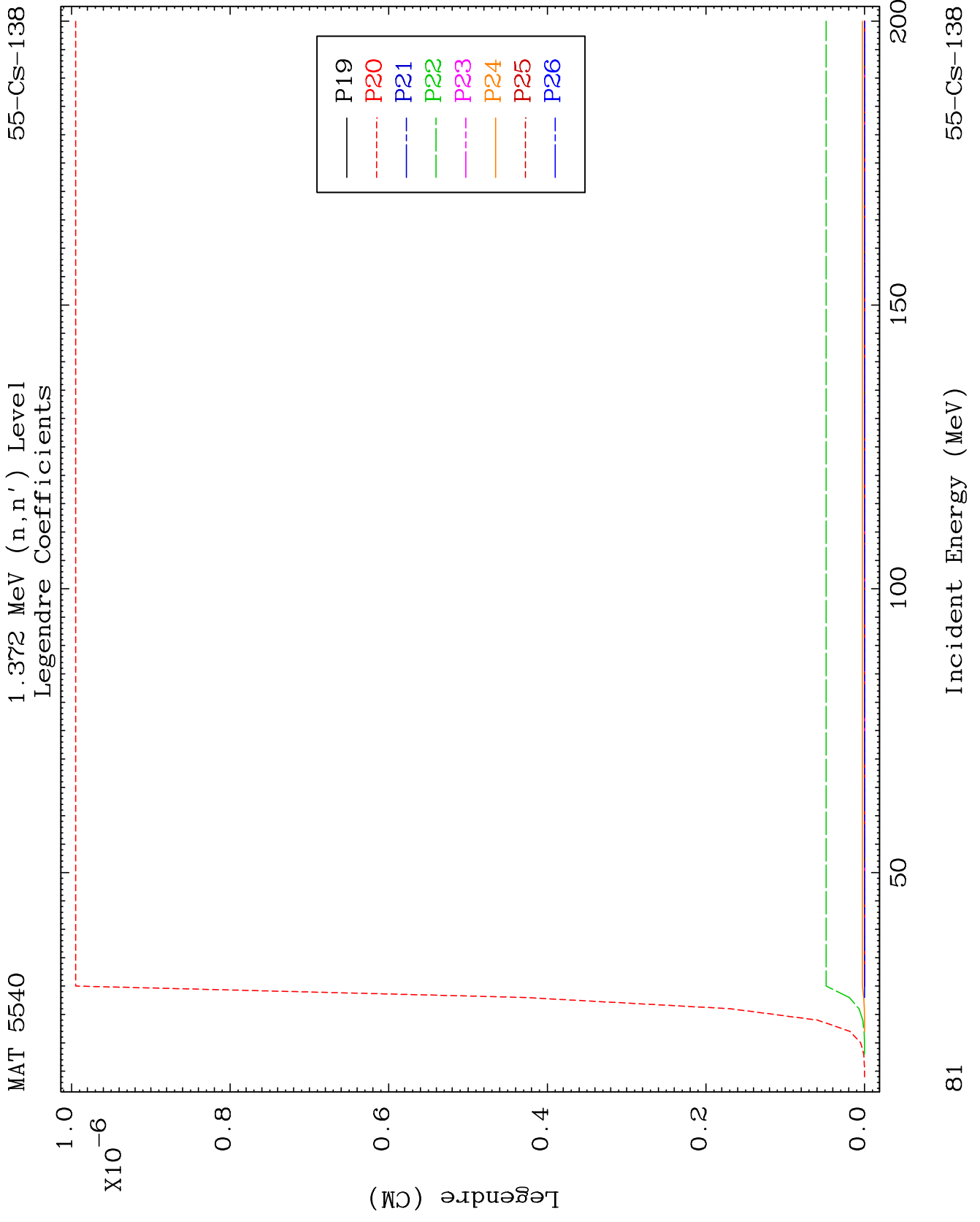
MAT 5540

1.372 MeV (n,n') Level  
Legendre Coefficients

55-Cs-138



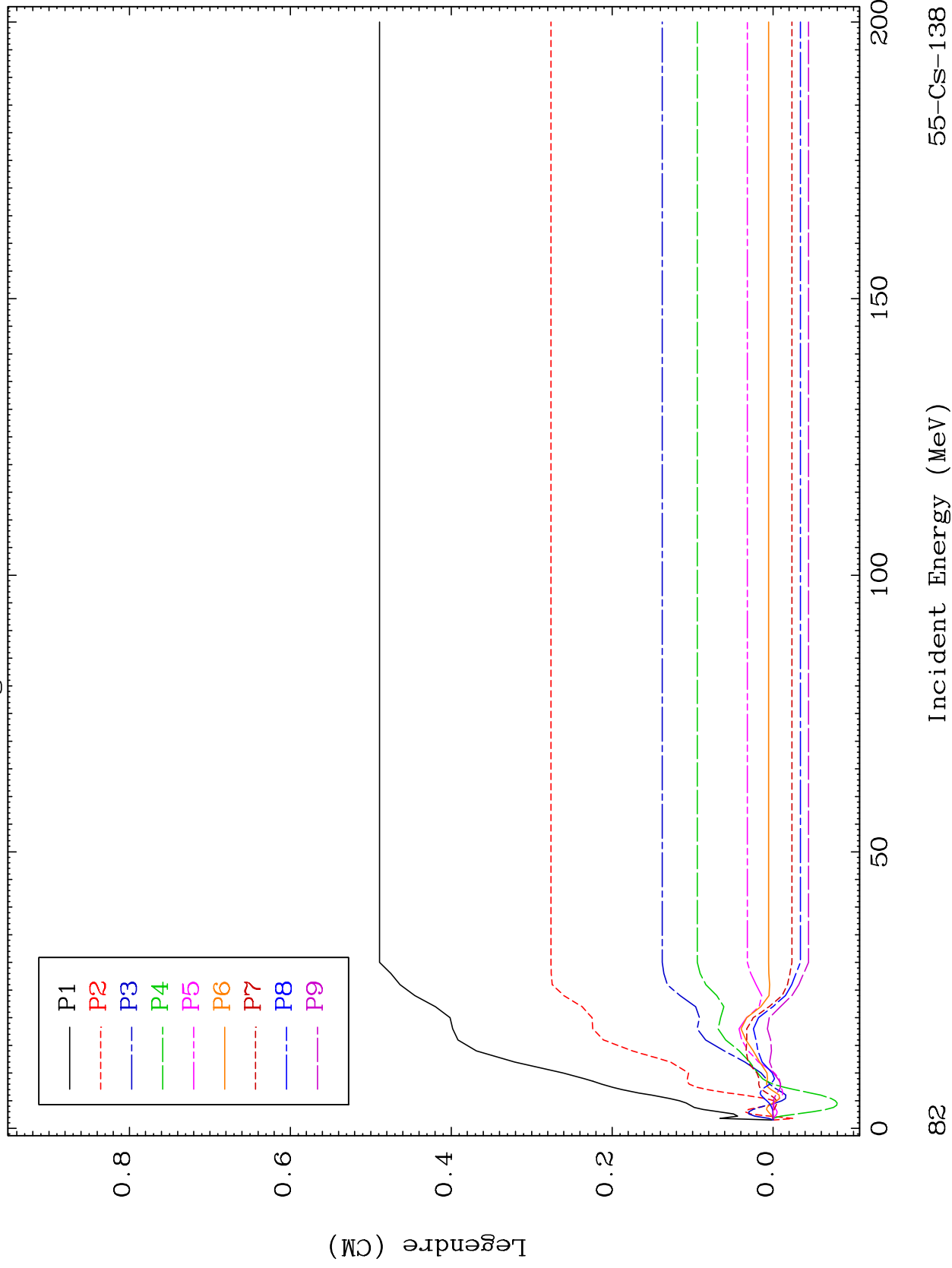
55-Cs-138



MAT 5540

1.489 MeV (n,n') Level  
Legendre Coefficients

55-Cs-138



55-Cs-138

Incident Energy (MeV)

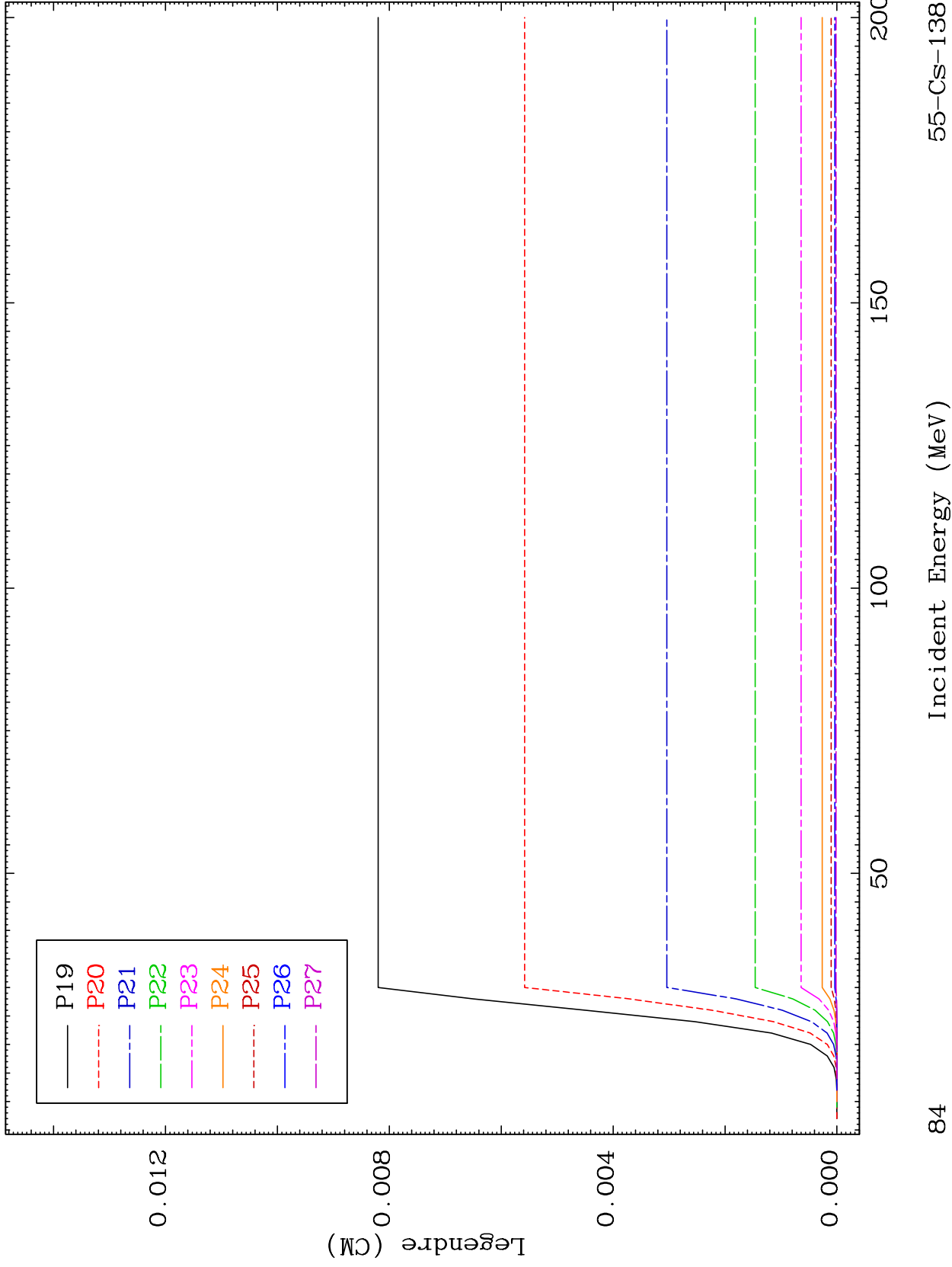
82



MAT 5540

1.489 MeV (n,n') Level  
Legendre Coefficients

55-Cs-138

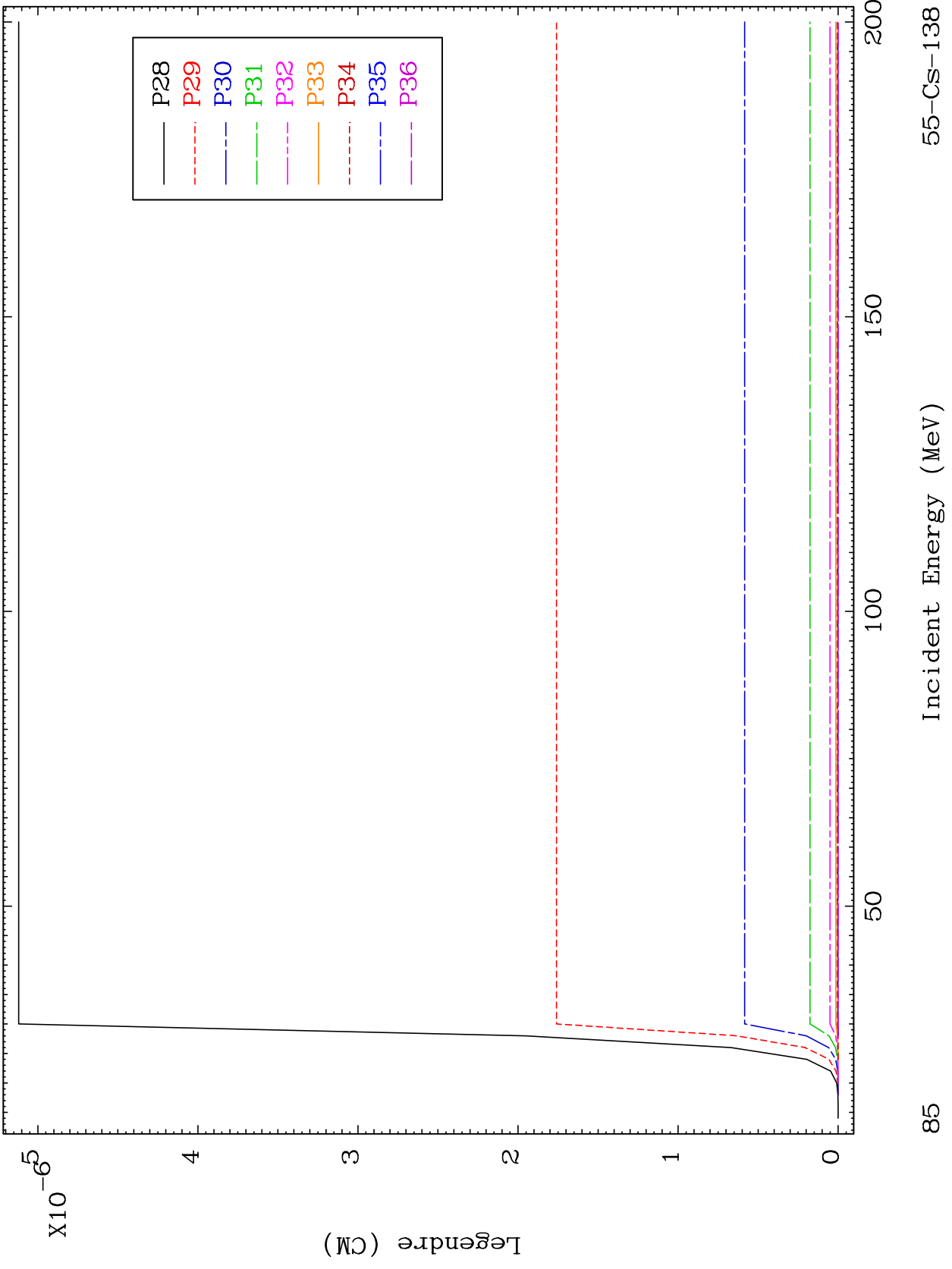


84

Incident Energy (MeV)

55-Cs-138

MAT 5540 1.489 MeV (n,n') Level Legendre Coefficients 55-Cs-138



85 55-Cs-138



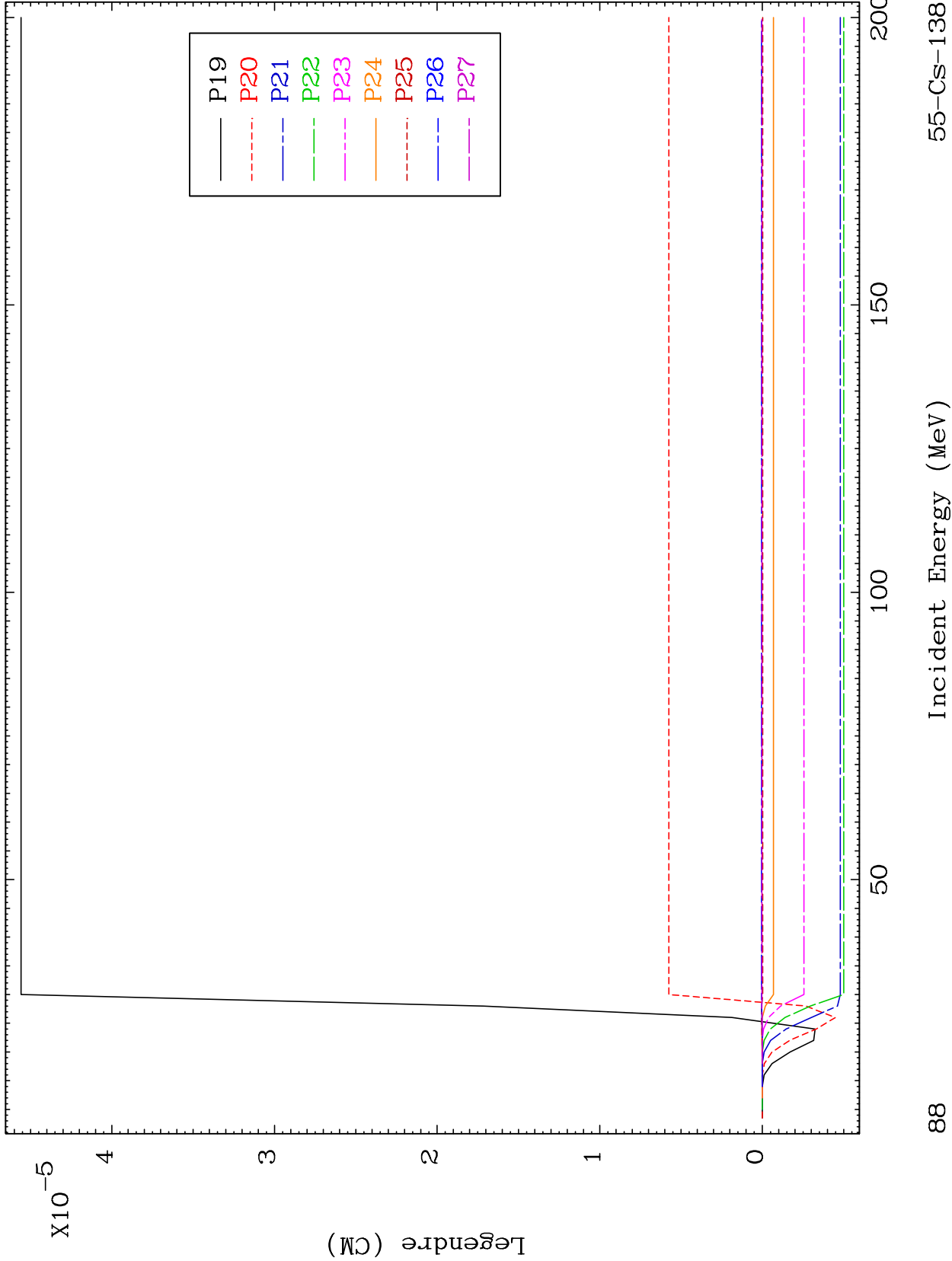




MAT 5540

1.538 MeV (n,n') Level  
Legendre Coefficients

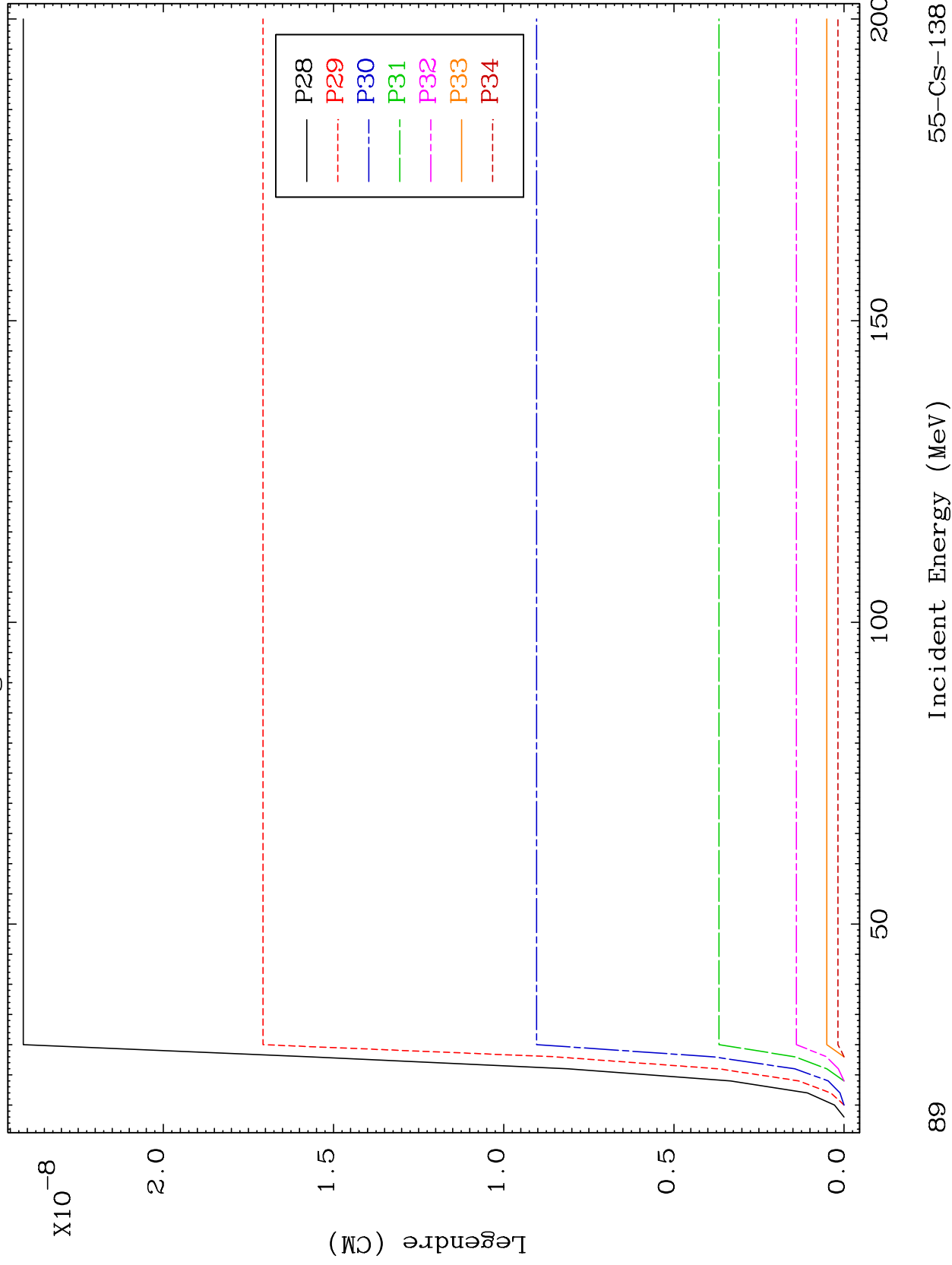
55-Cs-138



MAT 5540

1.538 MeV (n,n') Level  
Legendre Coefficients

55-Cs-138



89

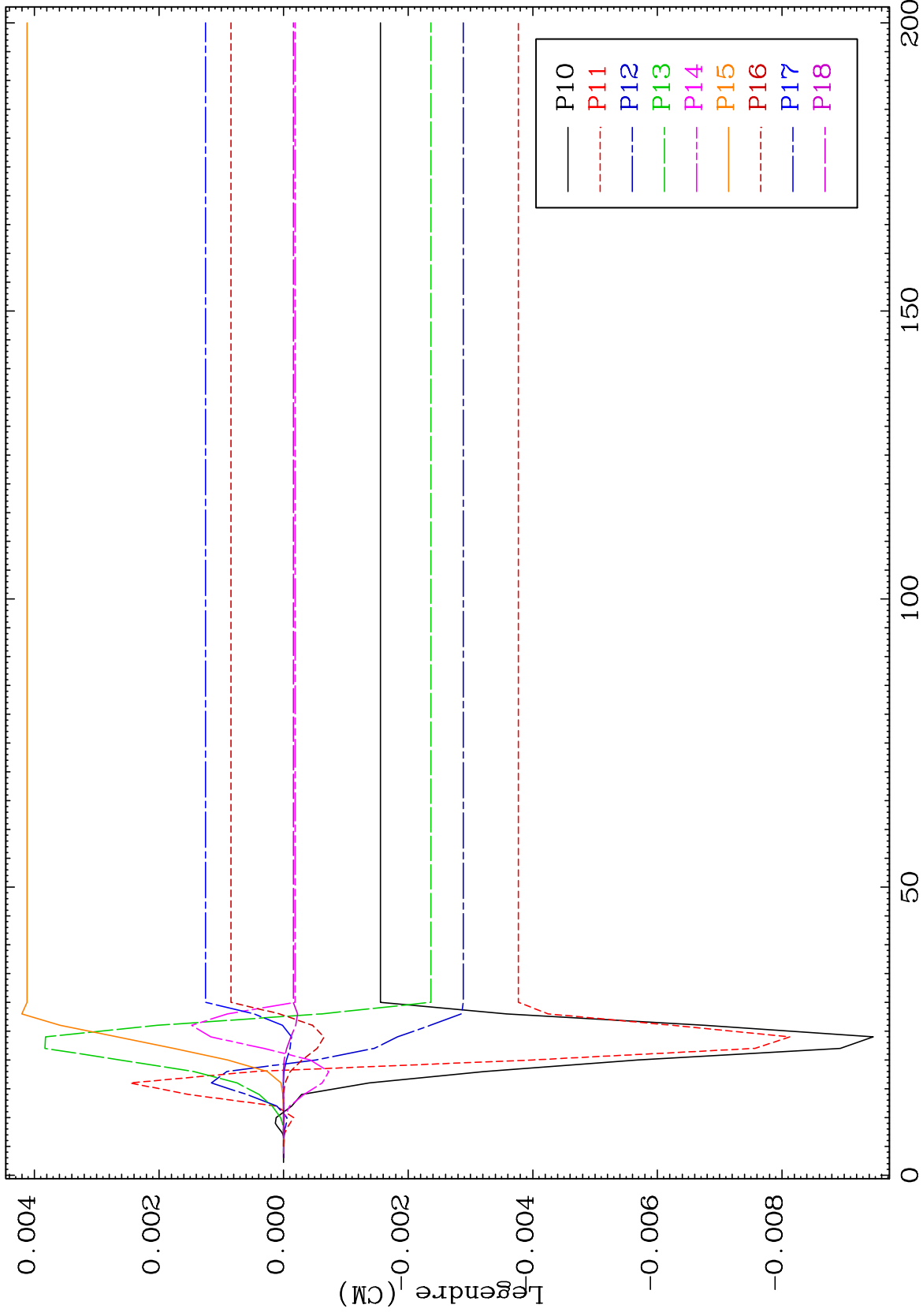
55-Cs-138



MAT 5540

1.560 MeV (n,n') Level  
Legendre Coefficients

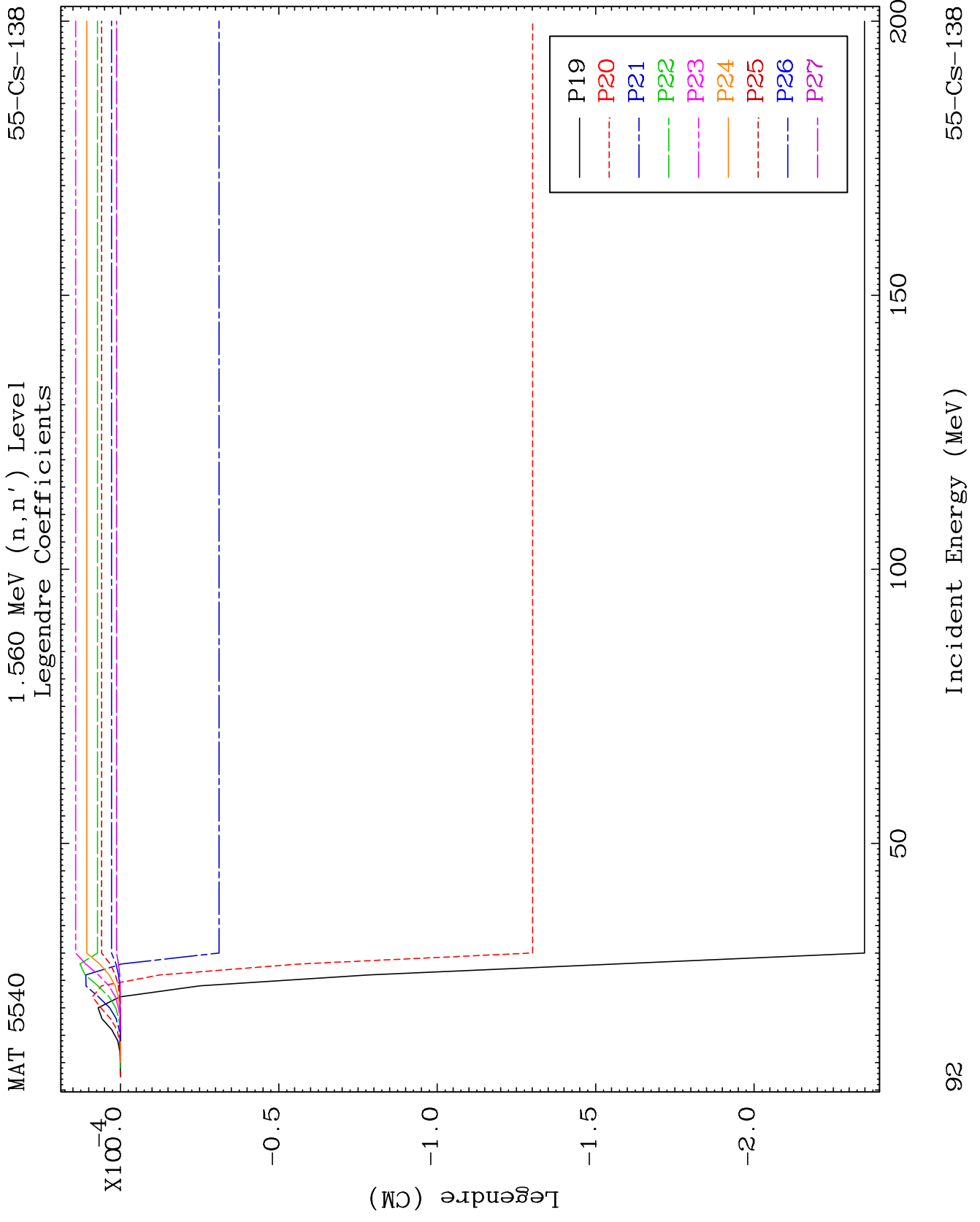
55-Cs-138



91

Incident Energy (MeV)

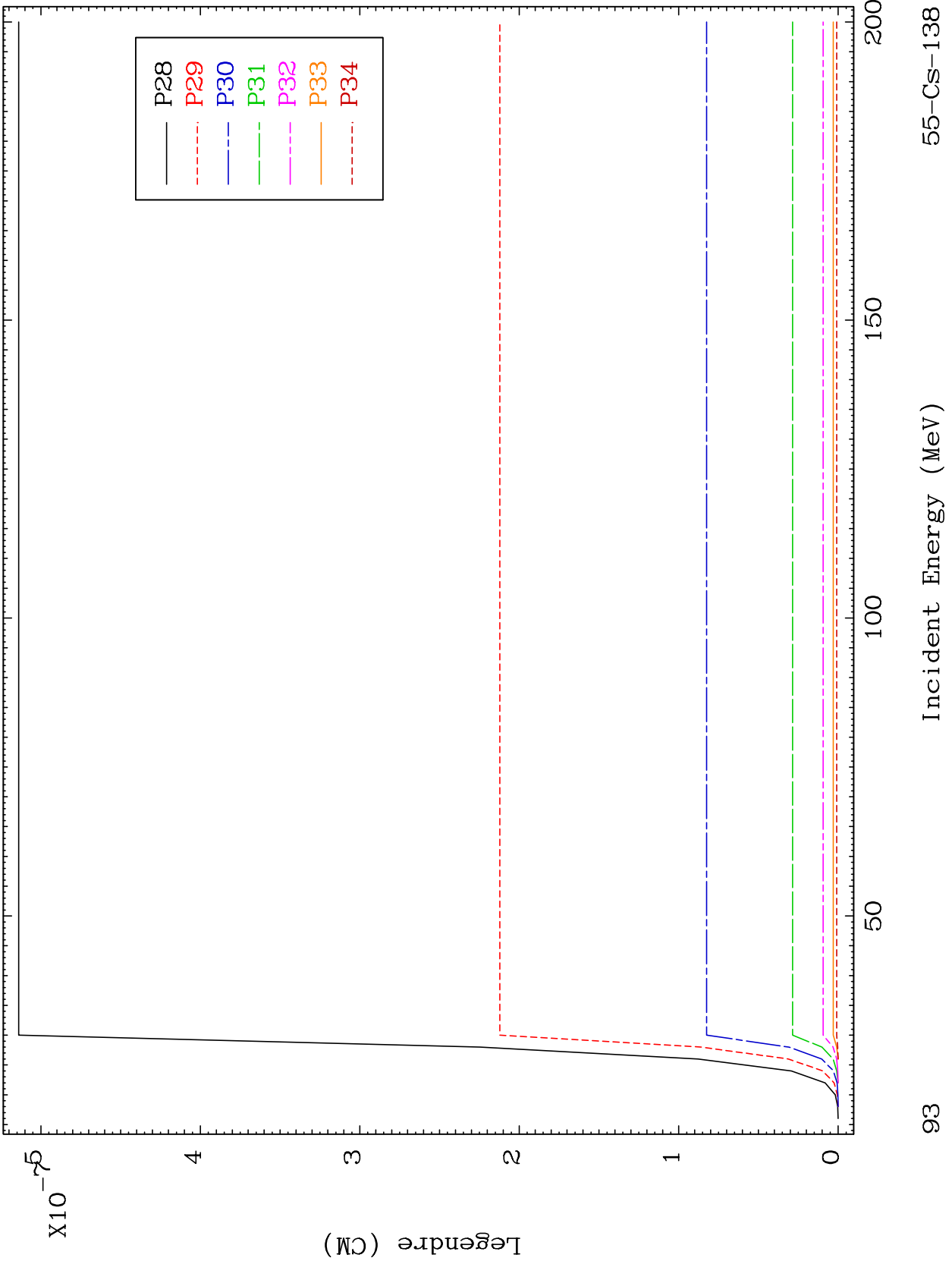
55-Cs-138

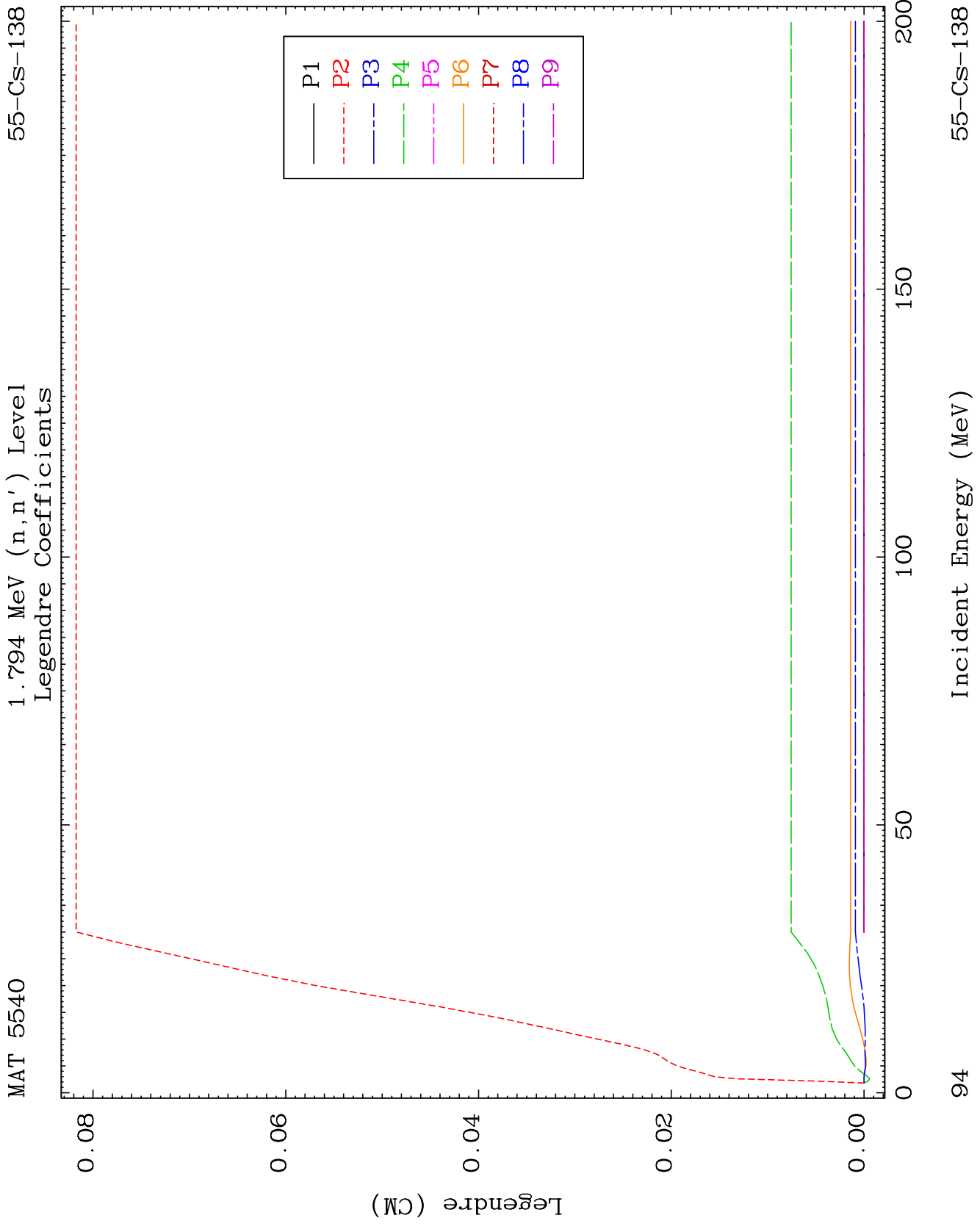


MAT 5540

1.560 MeV (n,n') Level  
Legendre Coefficients

55-Cs-138

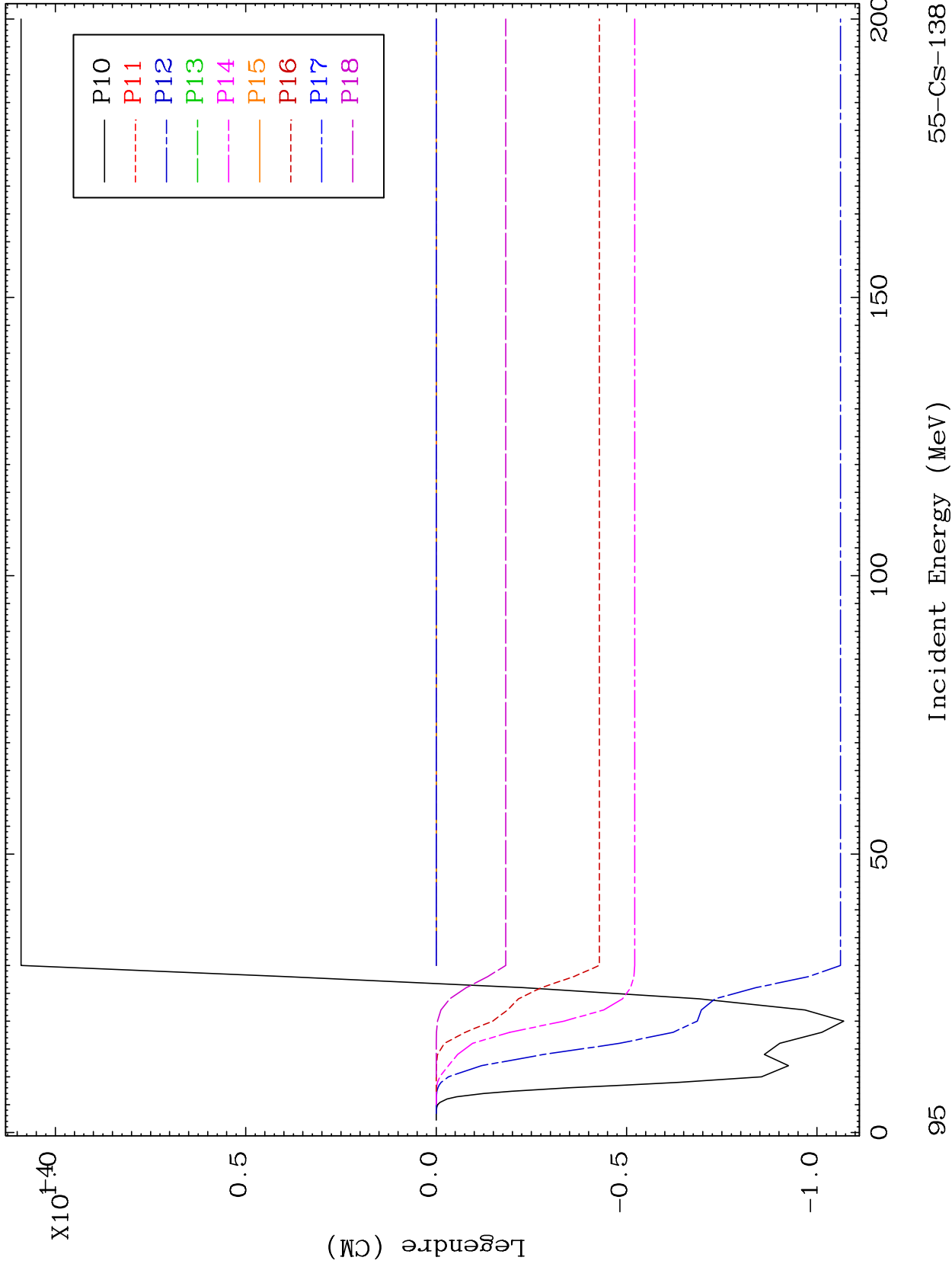




MAT 5540

1.794 MeV (n,n') Level  
Legendre Coefficients

55-Cs-138

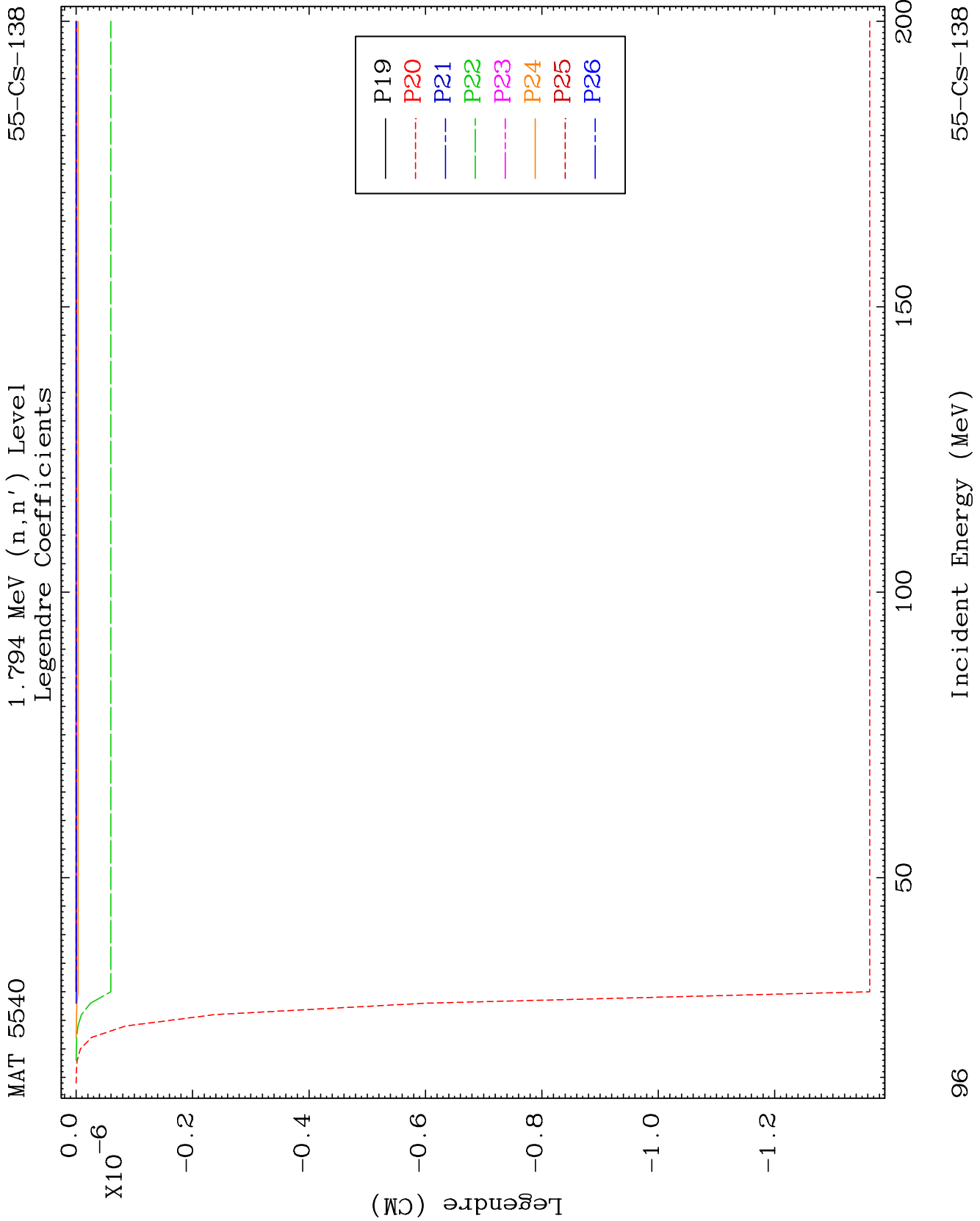


55-Cs-138

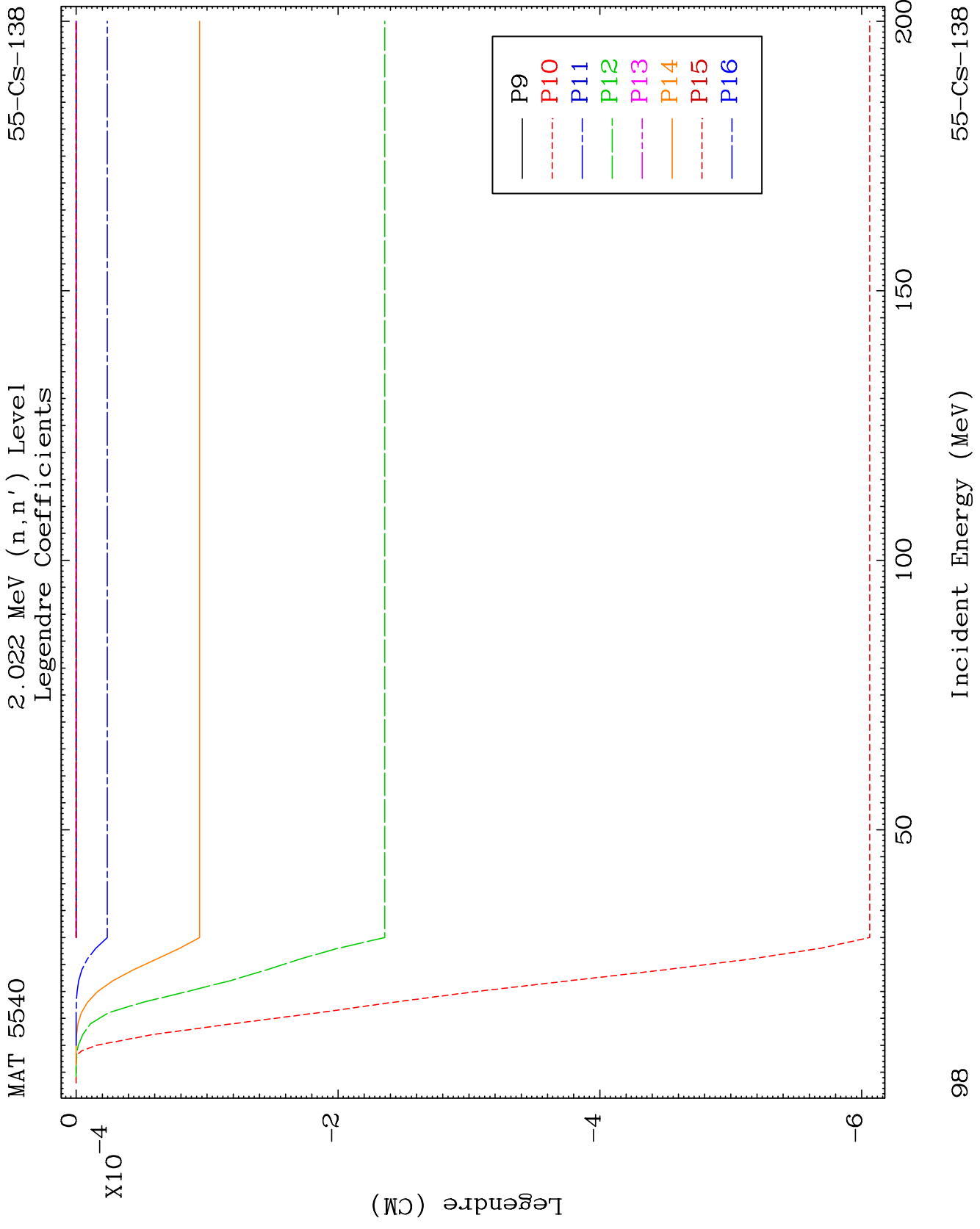
Incident Energy (MeV)

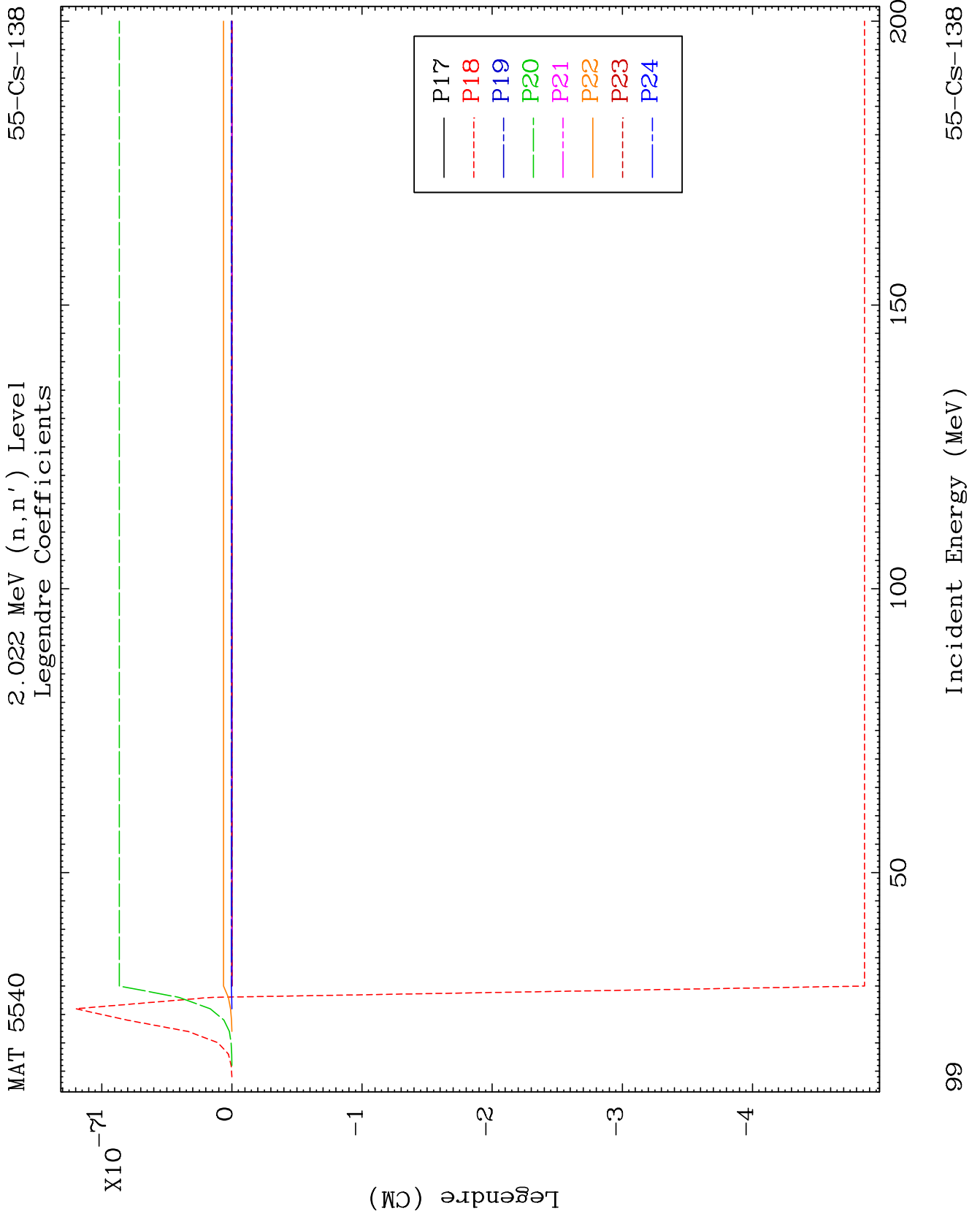
95

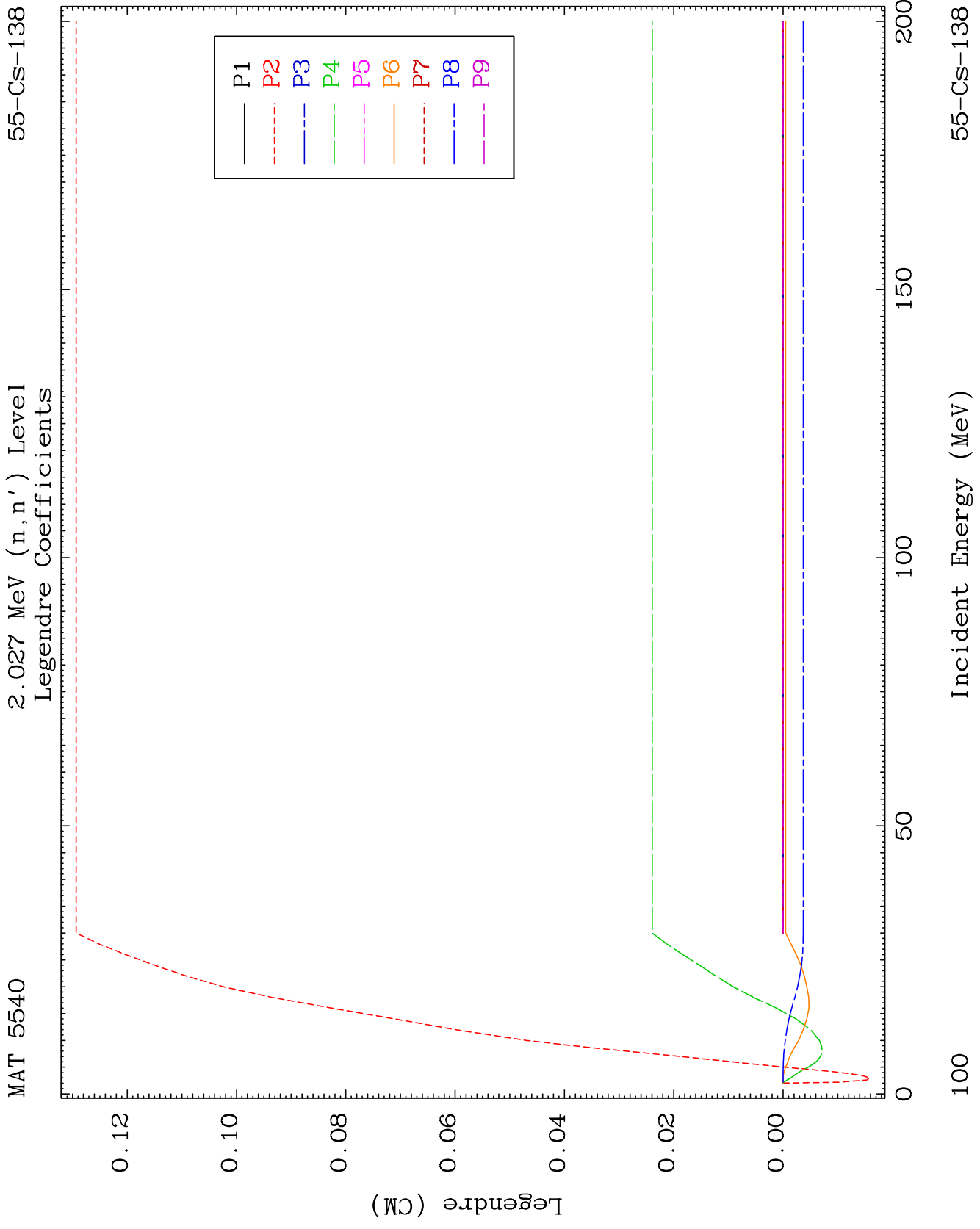


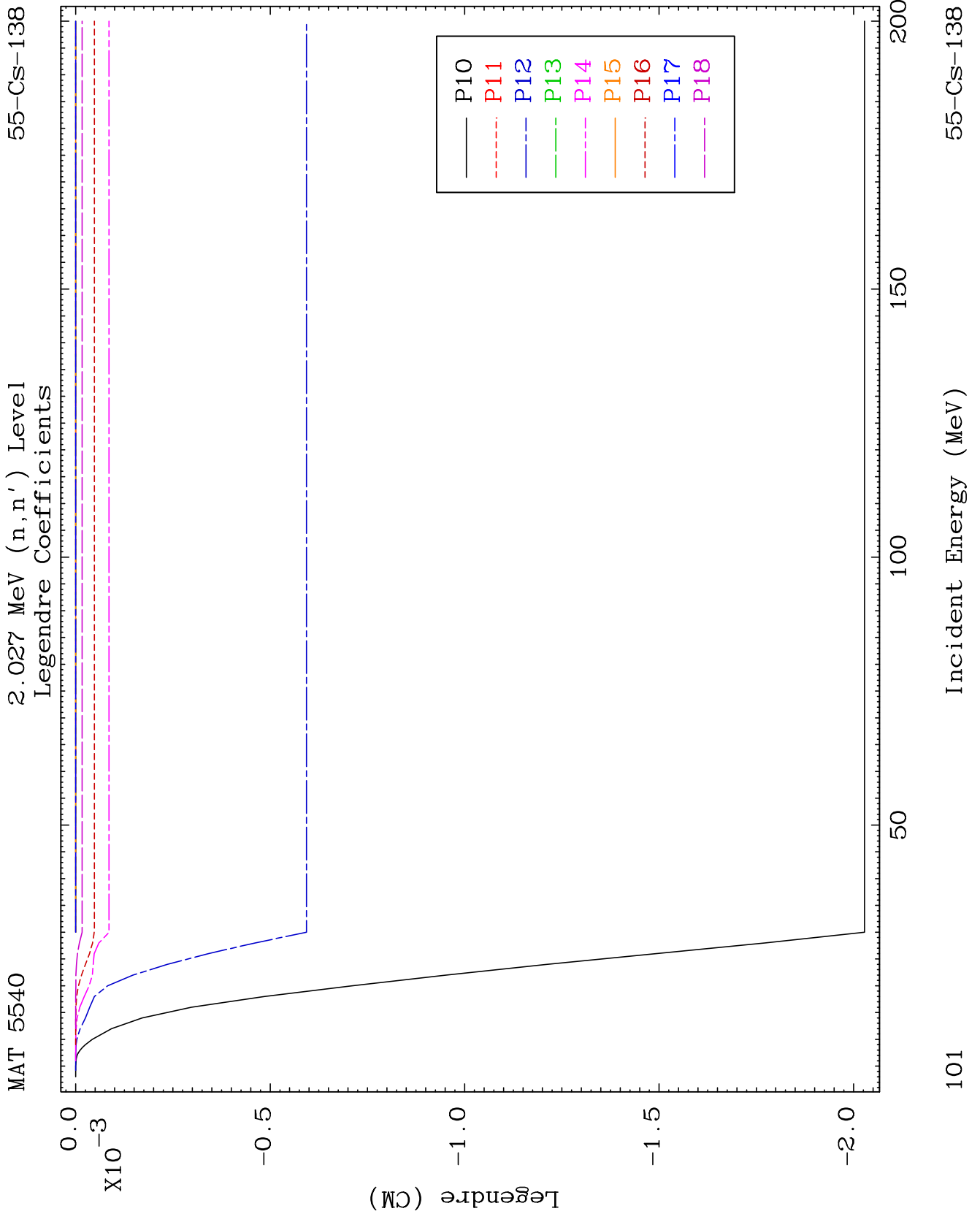


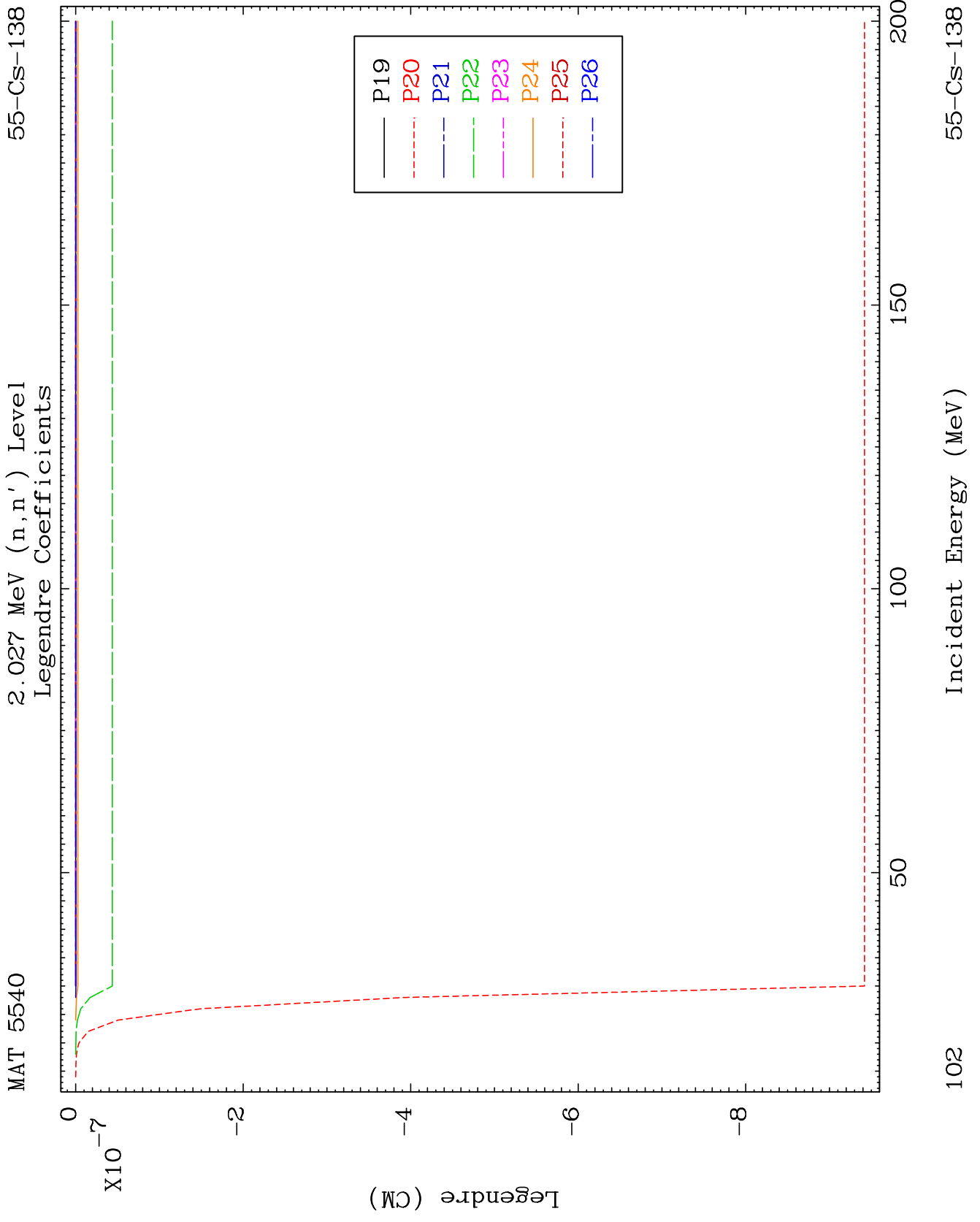








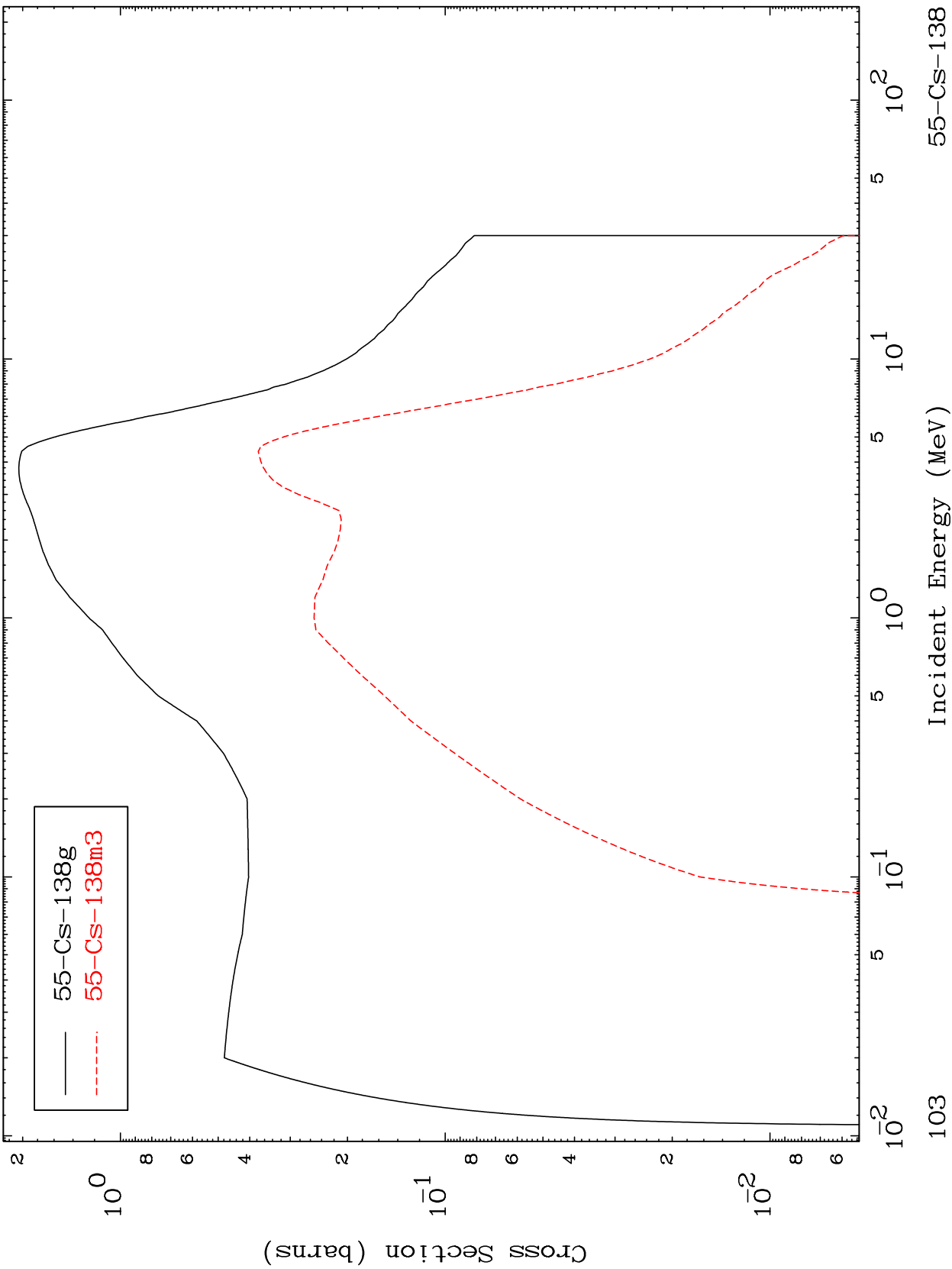




MAT 5540

55-Cs-138

### Inelastic Radionuclide Production Cross Section



55-Cs-138

Incident Energy (MeV)

103

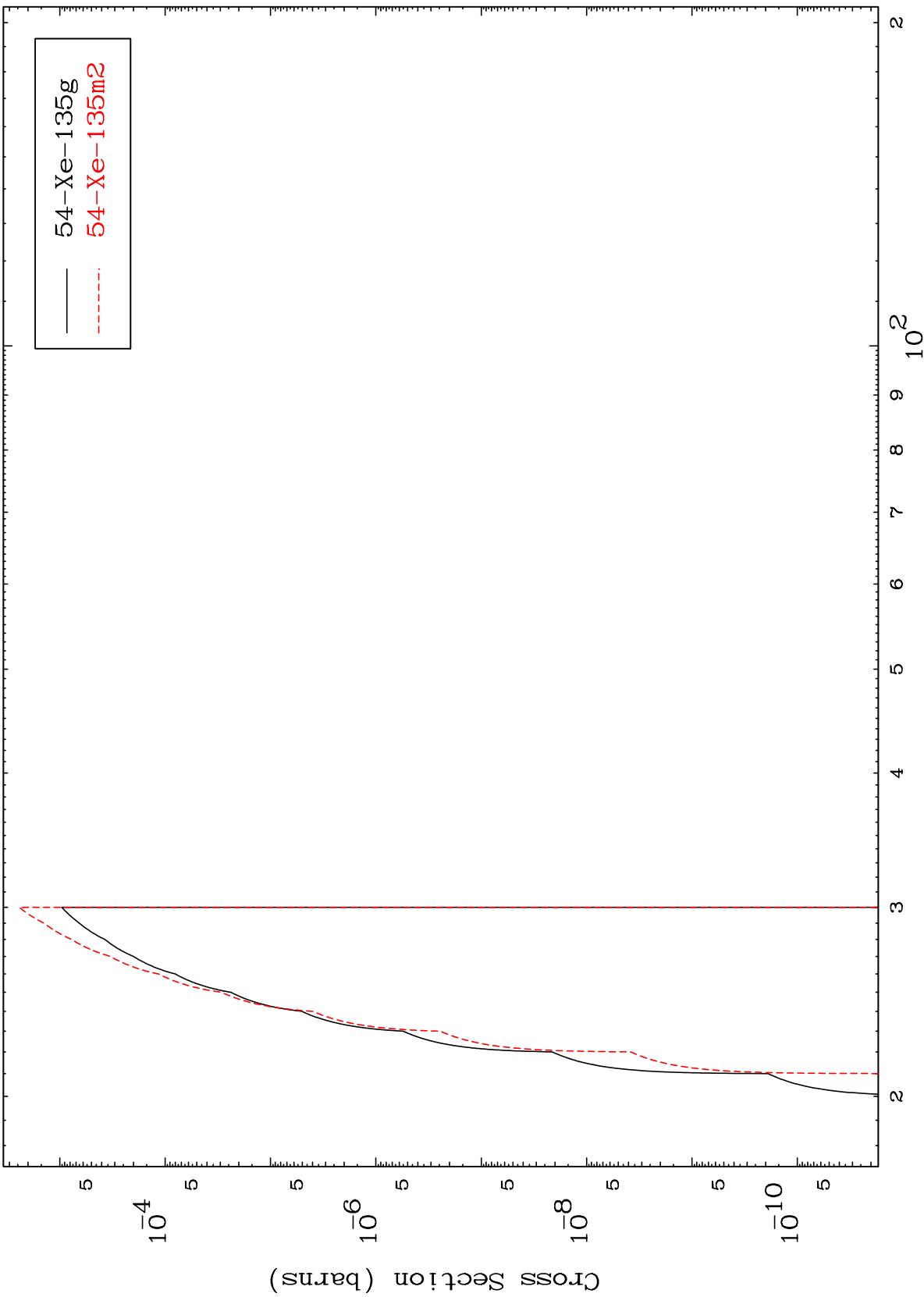


MAT 5540

(n,2n) d

55-Cs-138

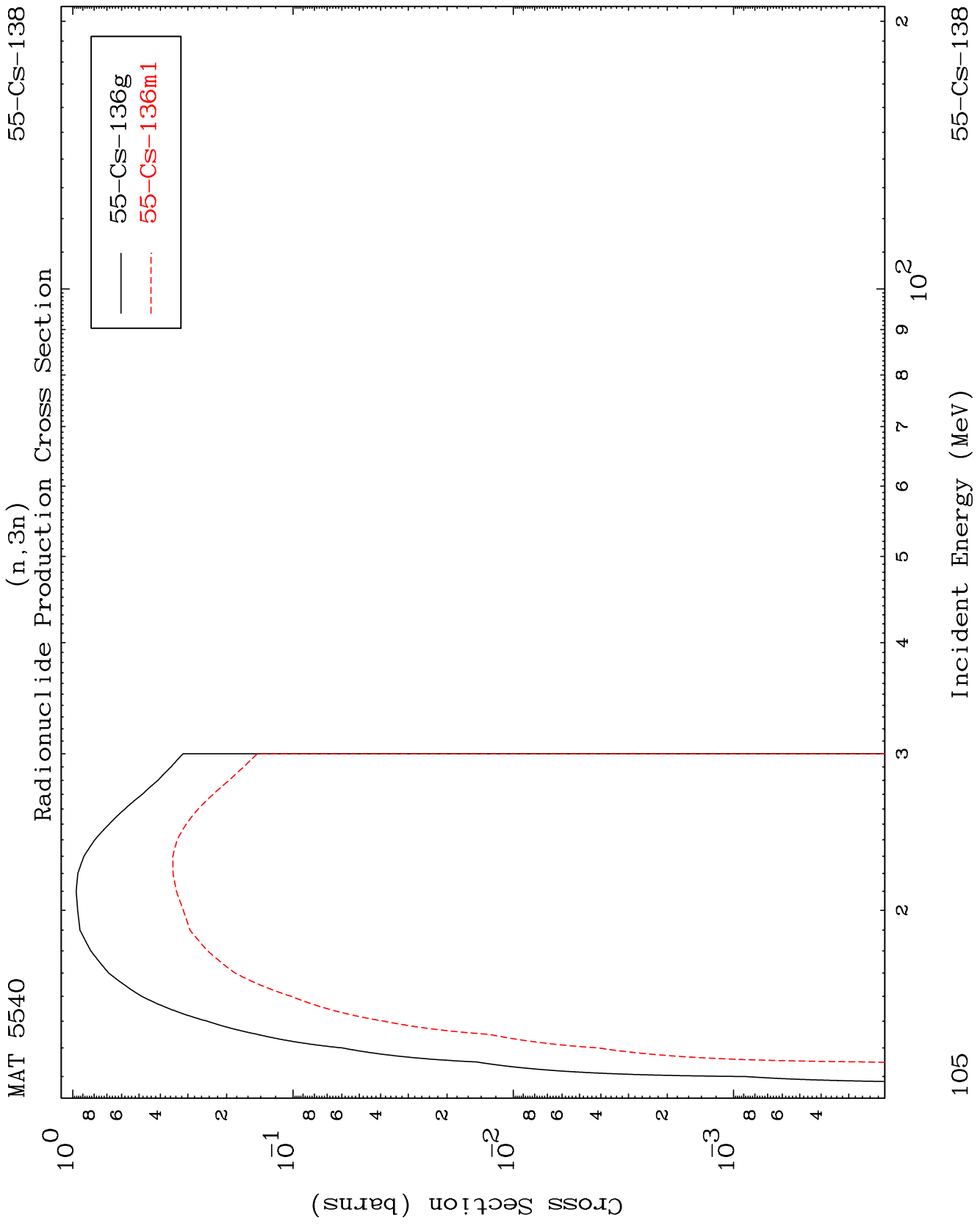
Radionuclide Production Cross Section



104

Incident Energy (MeV)

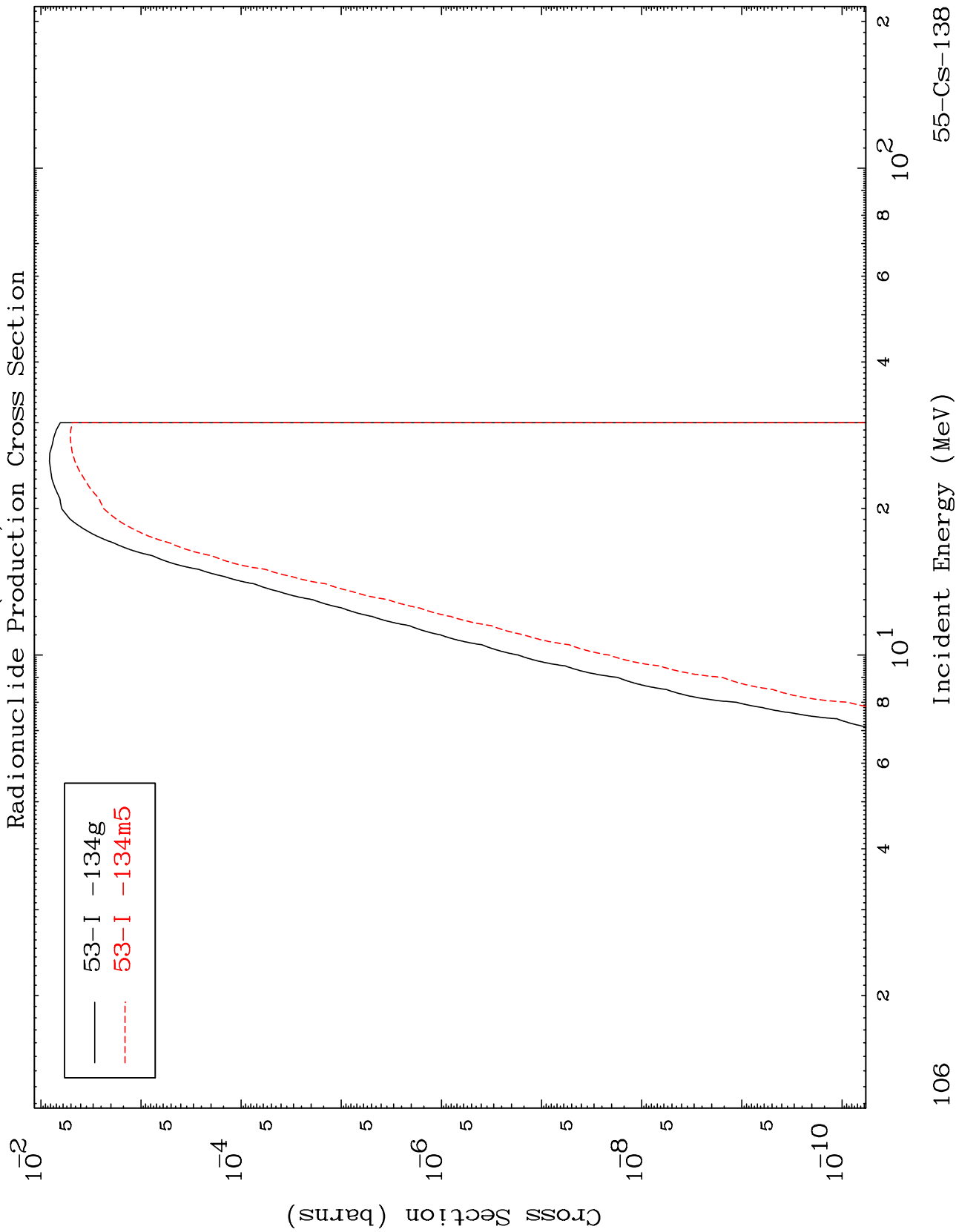
55-Cs-138



MAT 5540

(n,n')  $\alpha$

55-Cs-138



53-I -134g  
53-I -134m5

106

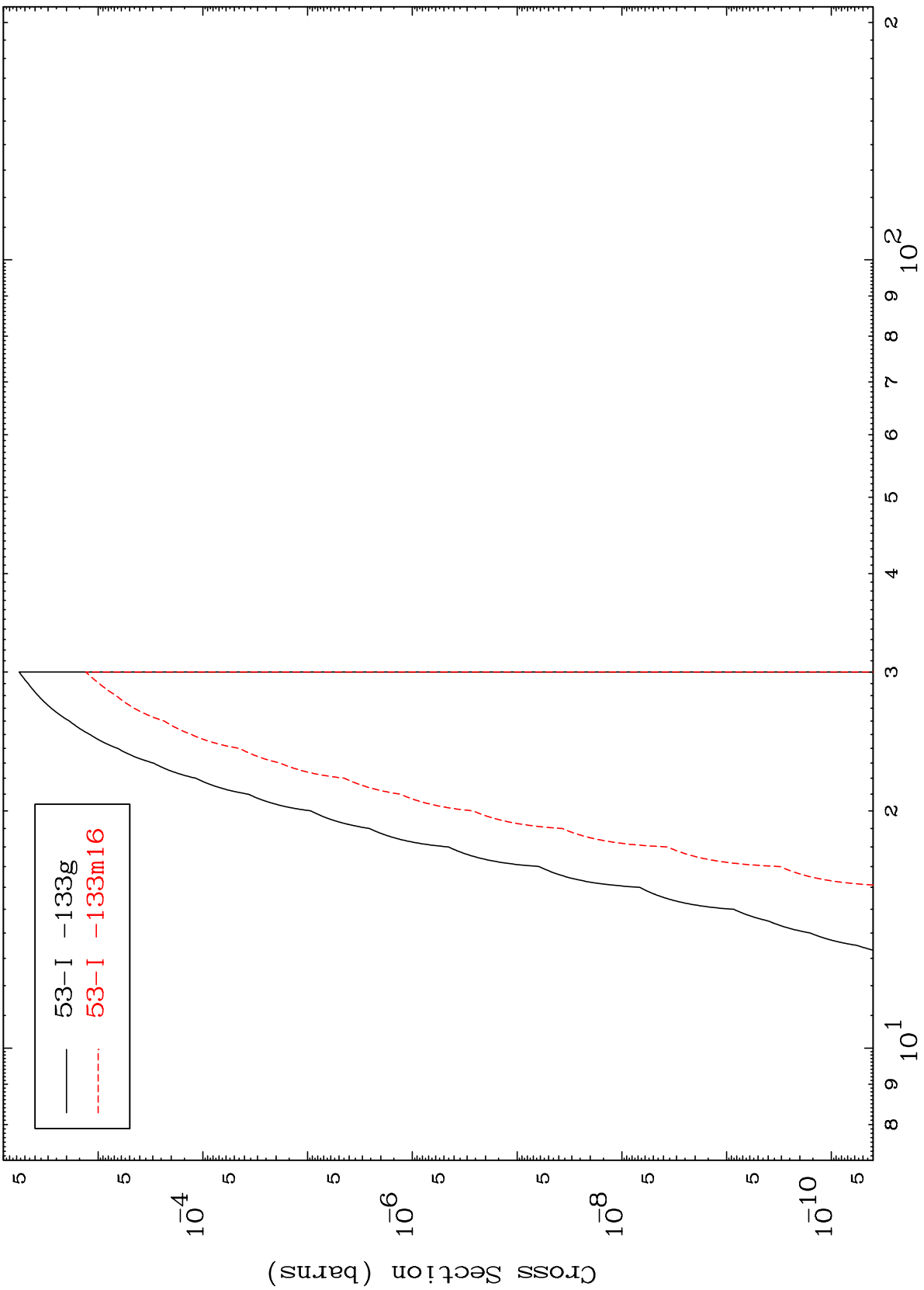
55-Cs-138

MAT 5540

(n,2n)  $\alpha$

55-Cs-138

Radionuclide Production Cross Section



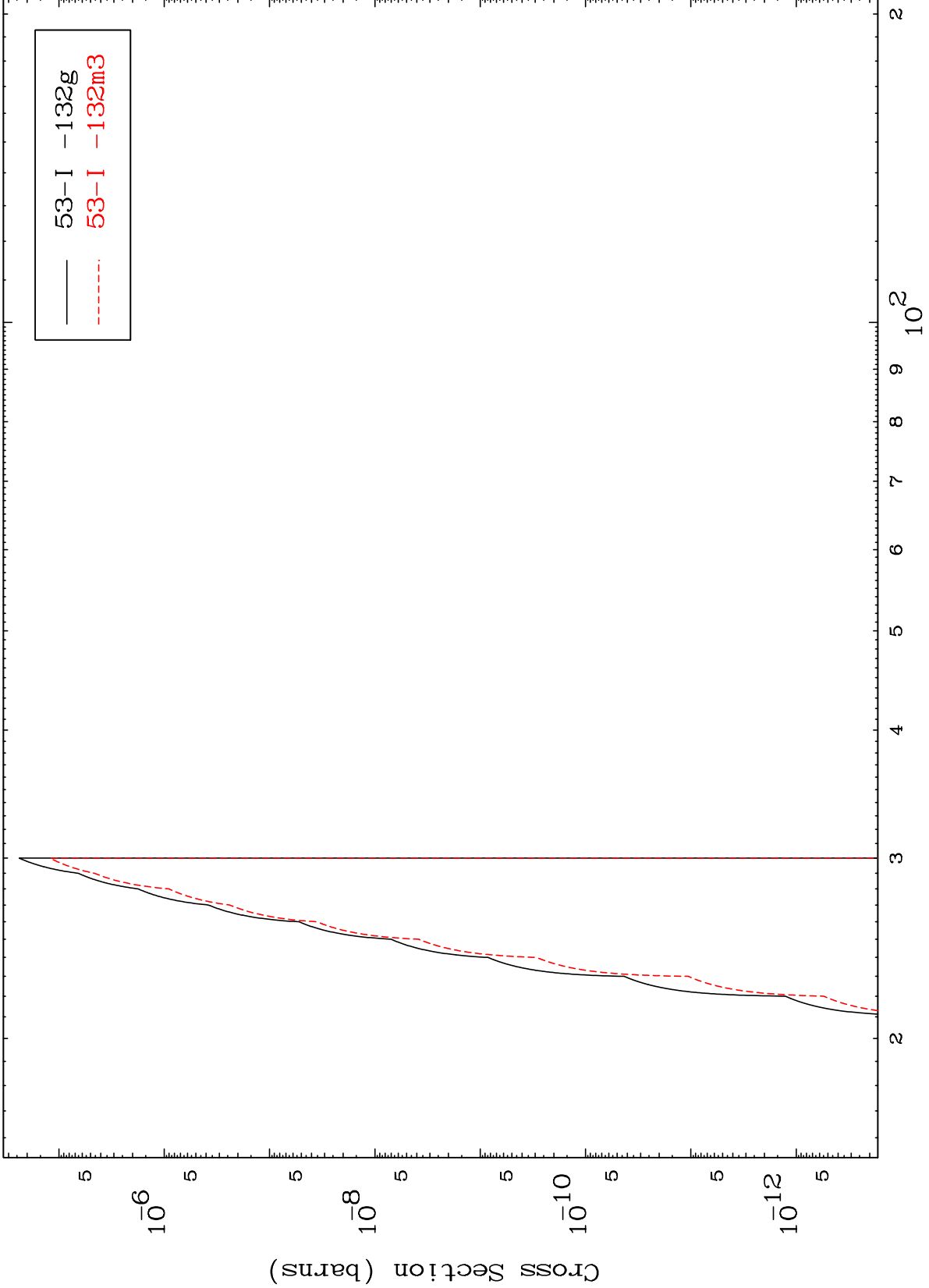
53-I -133g  
53-I -133m16

107

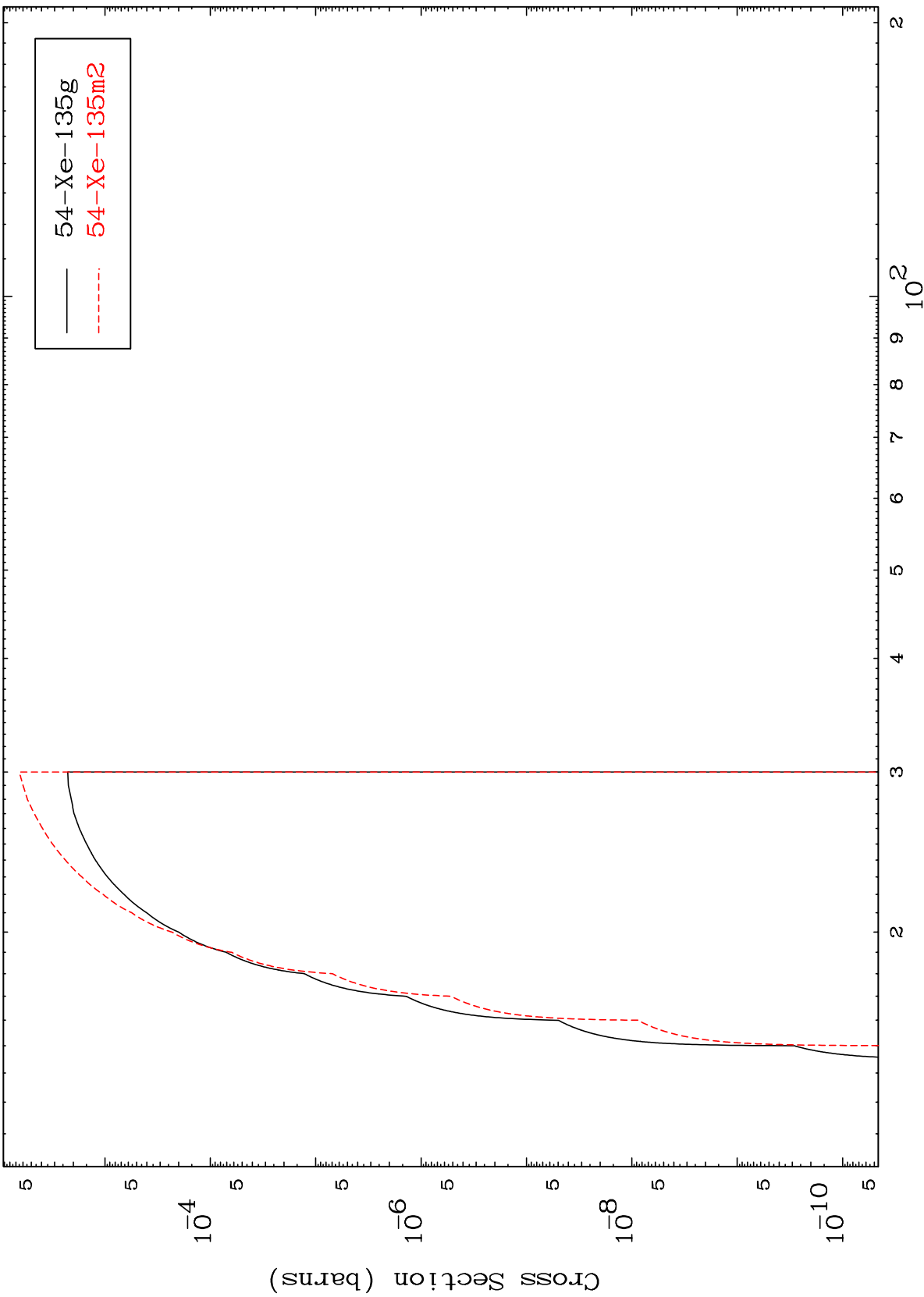
Incident Energy (MeV)

55-Cs-138

Radionuclide Production Cross Section



Radionuclide Production Cross Section

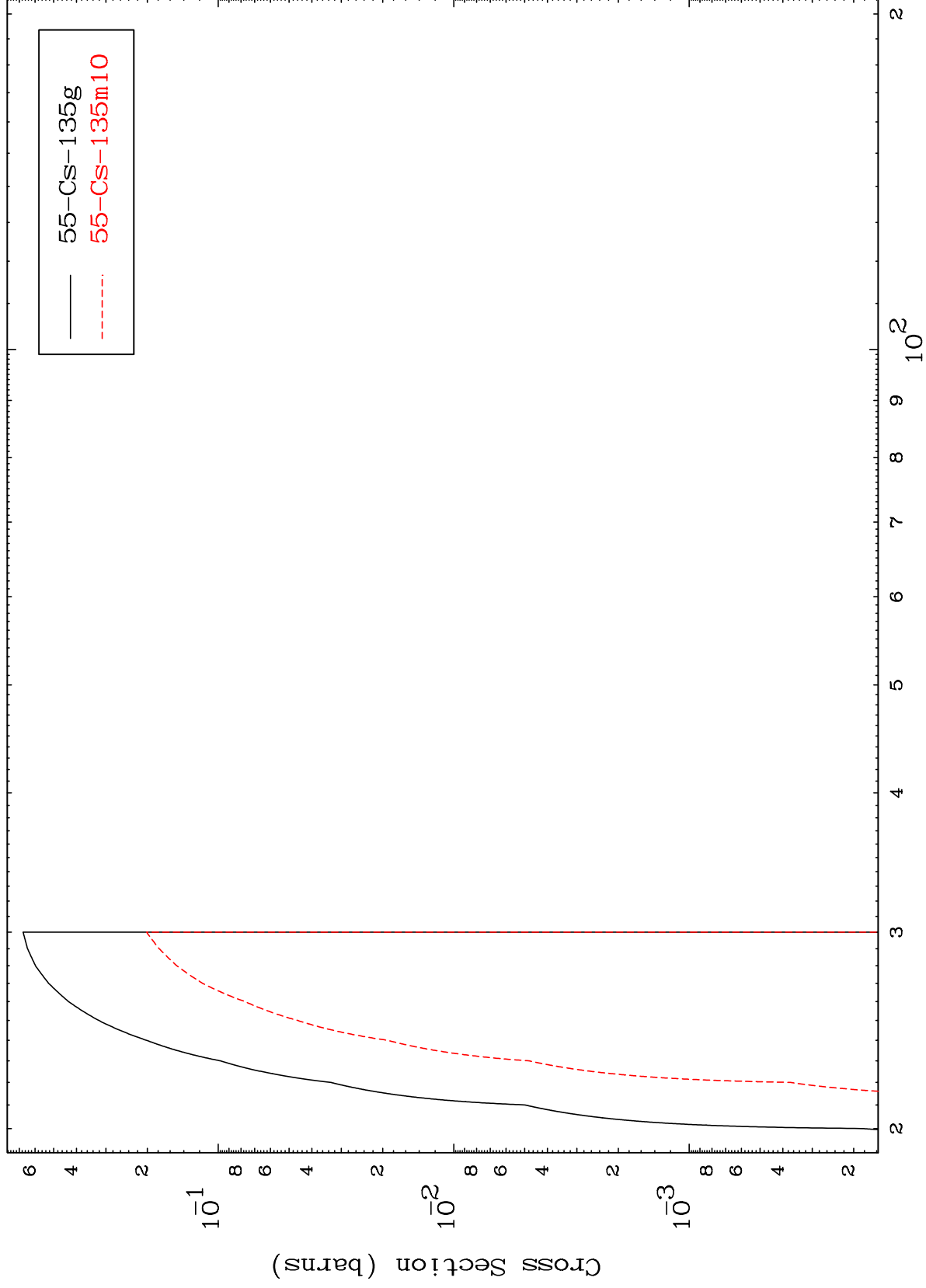


MAT 5540

(n,4n)

55-Cs-138

Radionuclide Production Cross Section



110

Incident Energy (MeV)

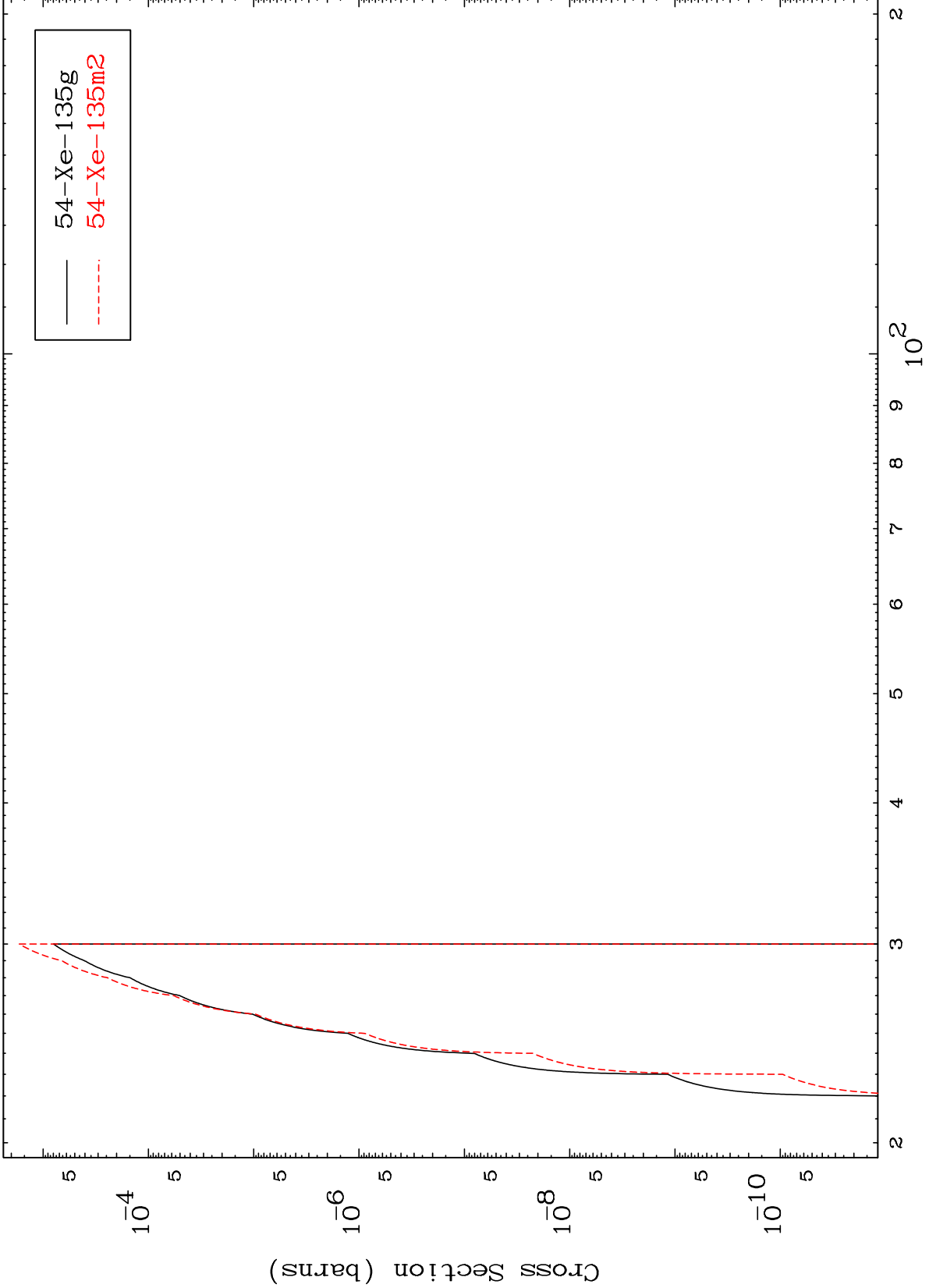
55-Cs-138

MAT 5540

(n,3n) p

55-Cs-138

Radionuclide Production Cross Section



111

Incident Energy (MeV)

55-Cs-138

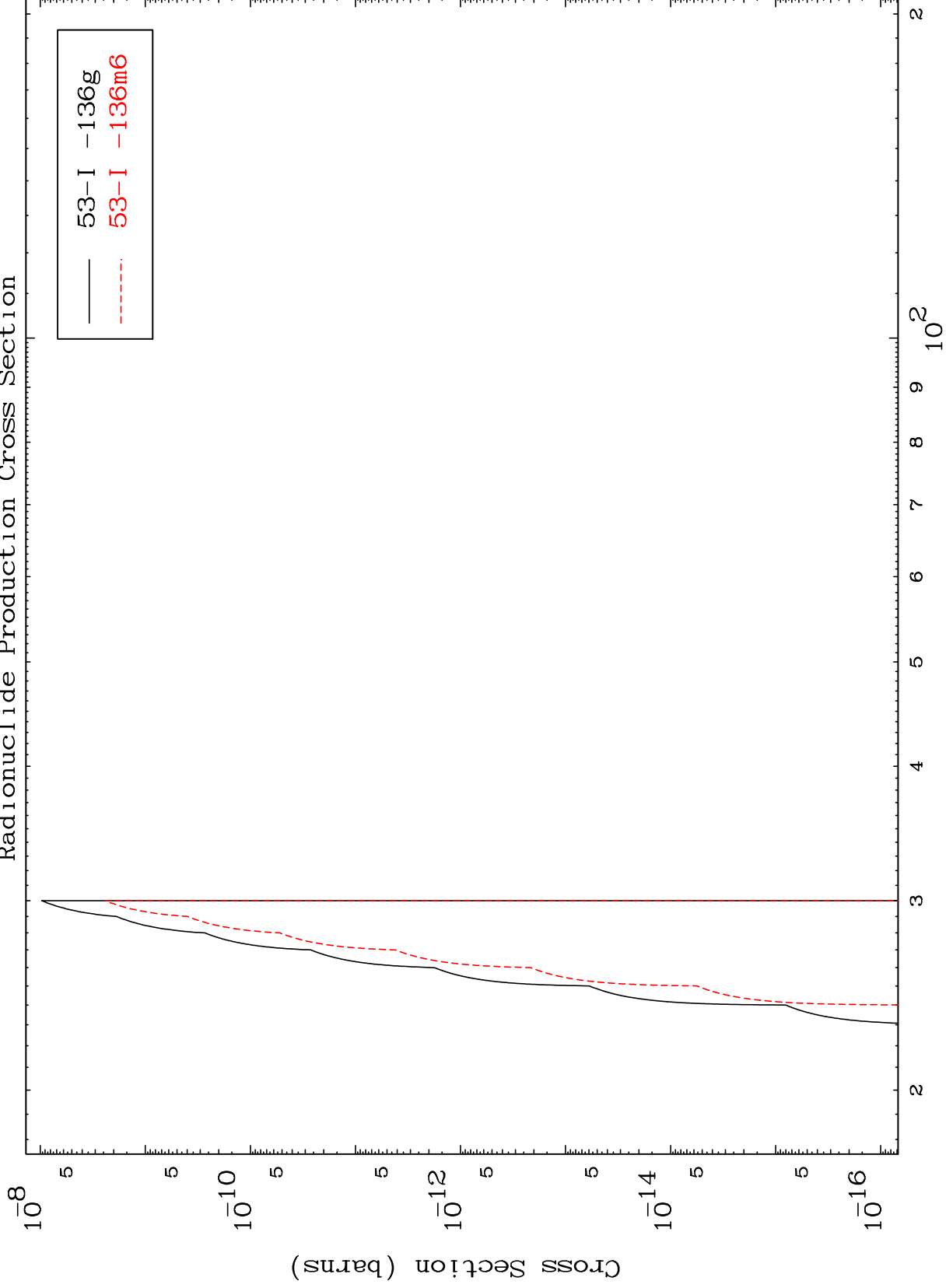


MAT 5540

(n,2n) p

55-Cs-138

Radionuclide Production Cross Section

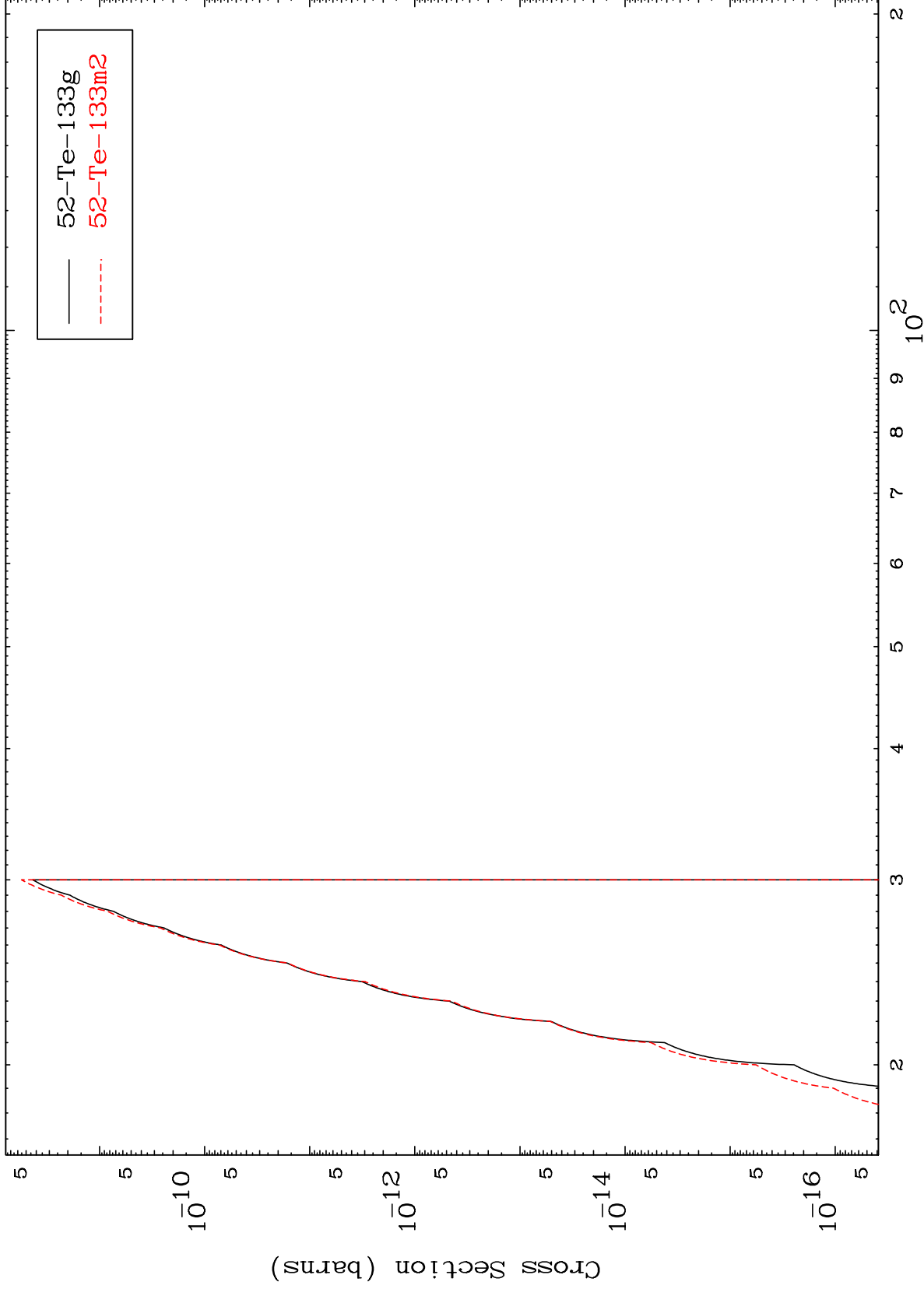


112

Incident Energy (MeV)

55-Cs-138

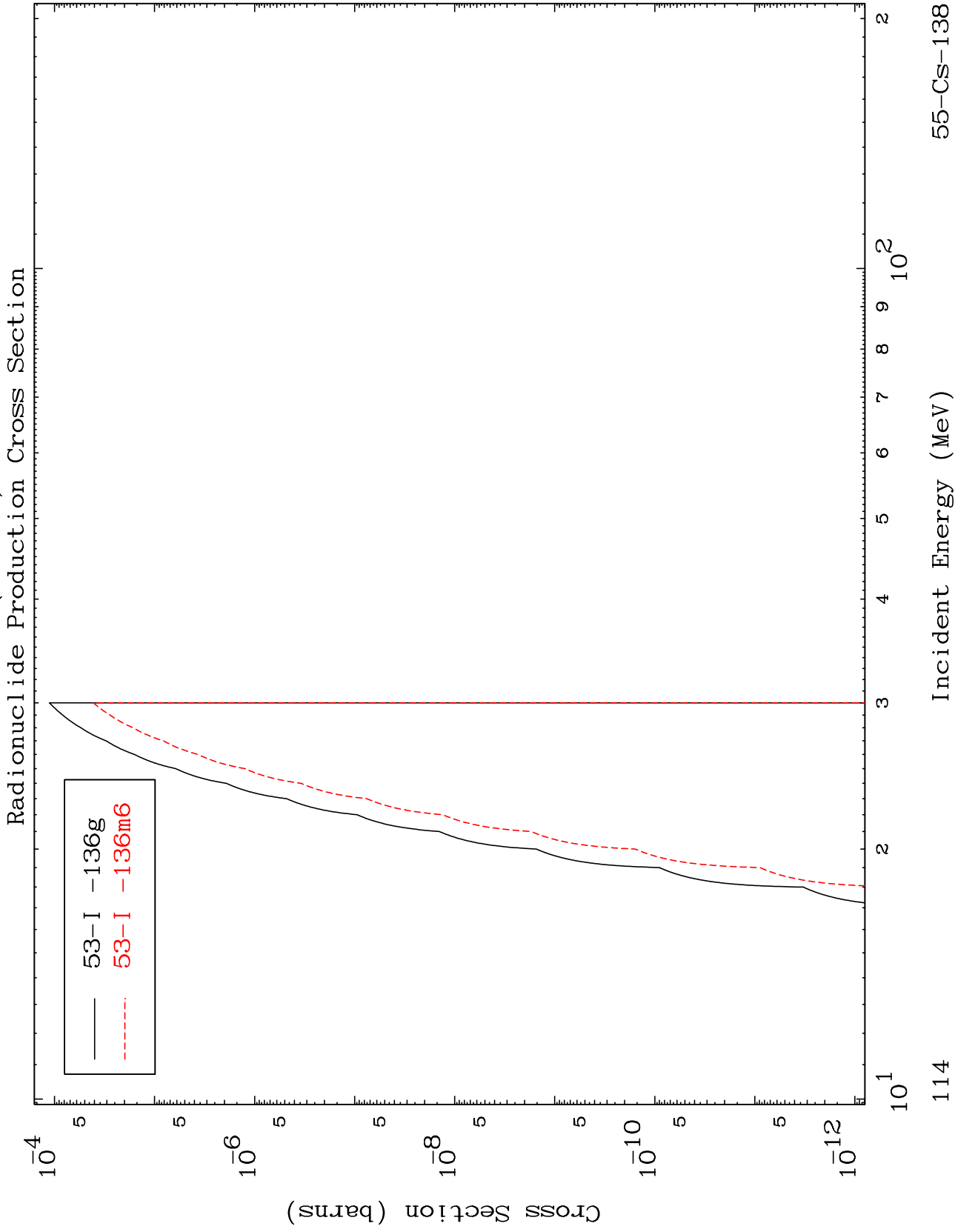
Radionuclide Production Cross Section



MAT 5540

(n,He-3)

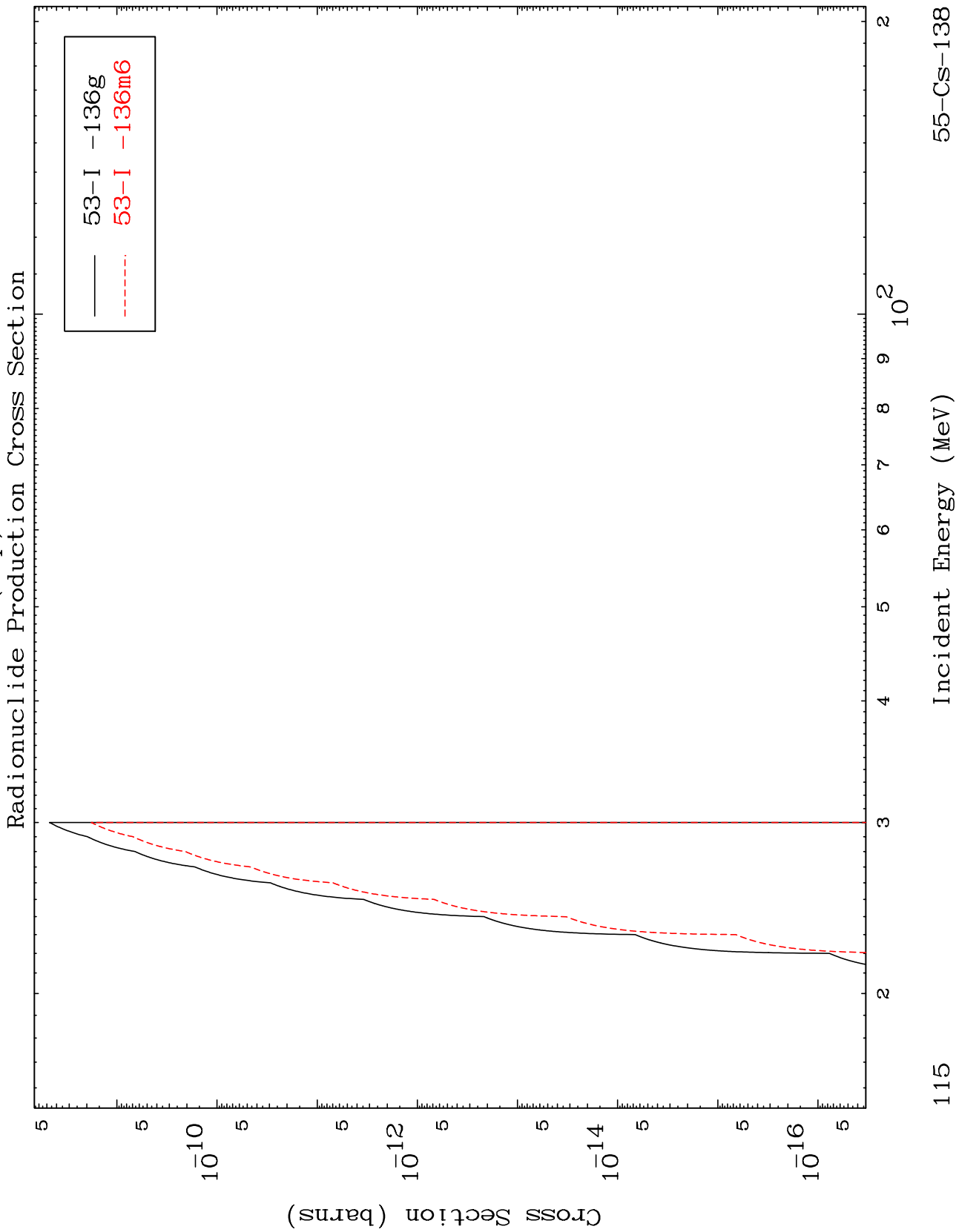
55-Cs-138



MAT 5540

(n,p) d

55-Cs-138



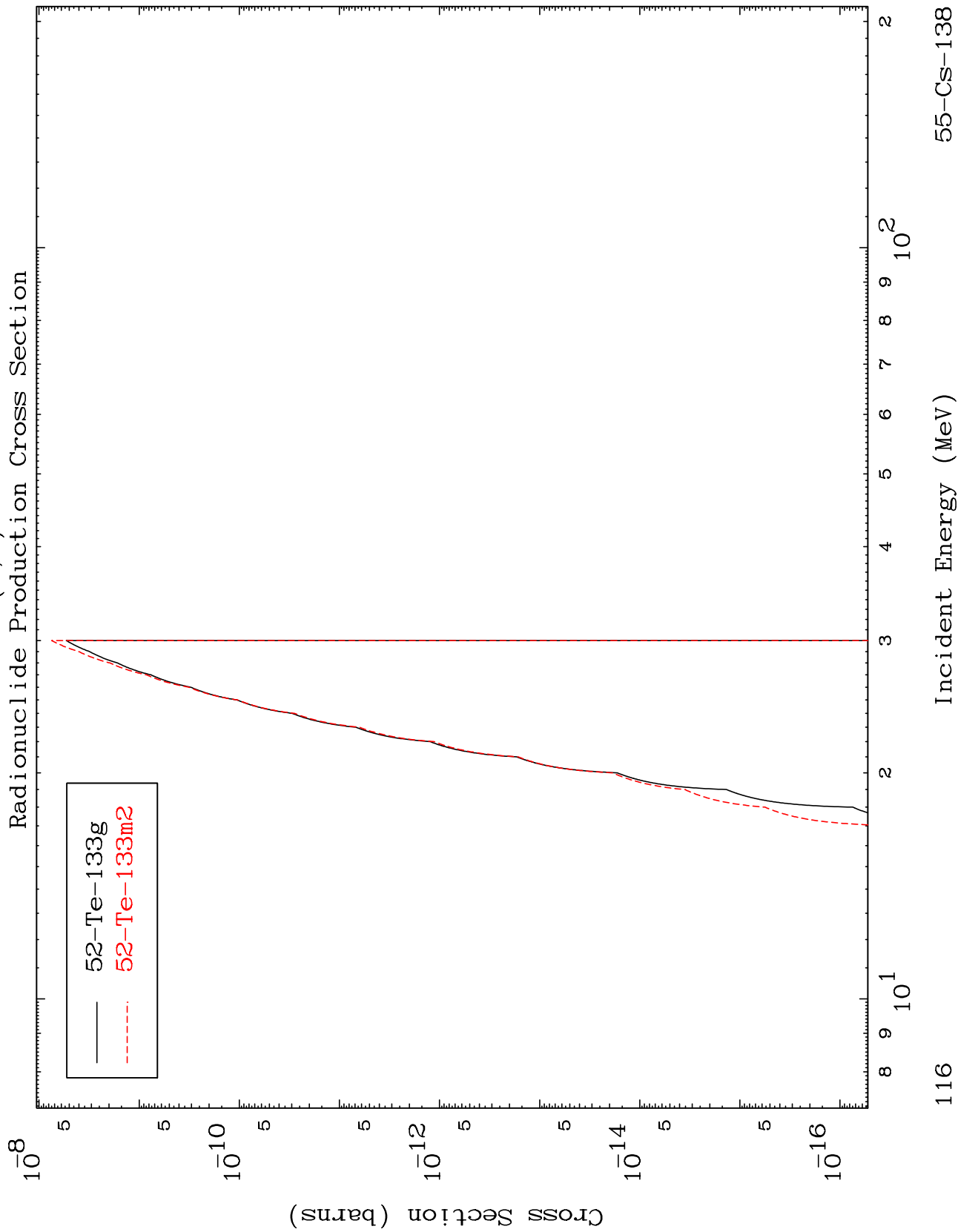
115

55-Cs-138

MAT 5540

(n,d)  $\alpha$

55-Cs-138



116