

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

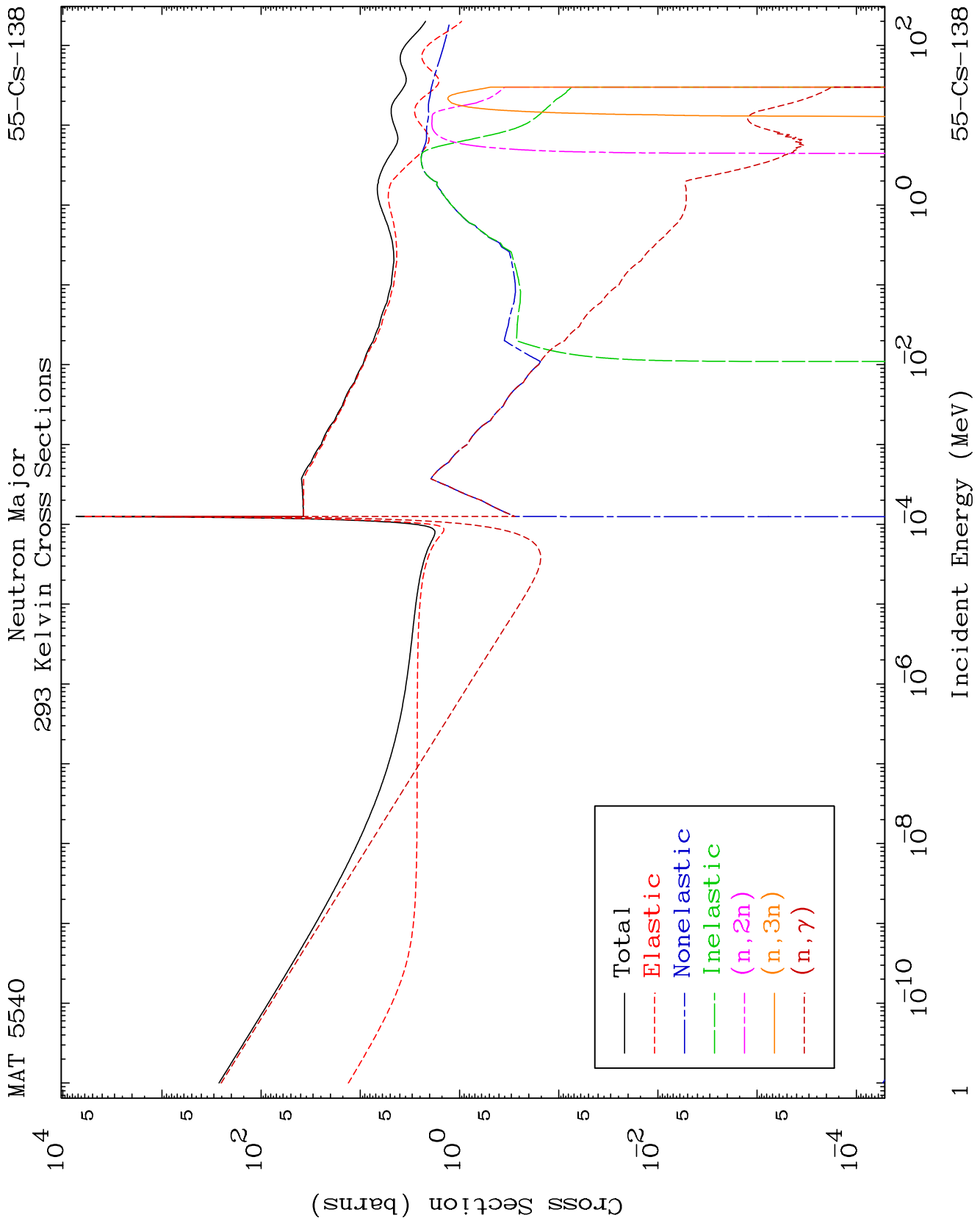
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

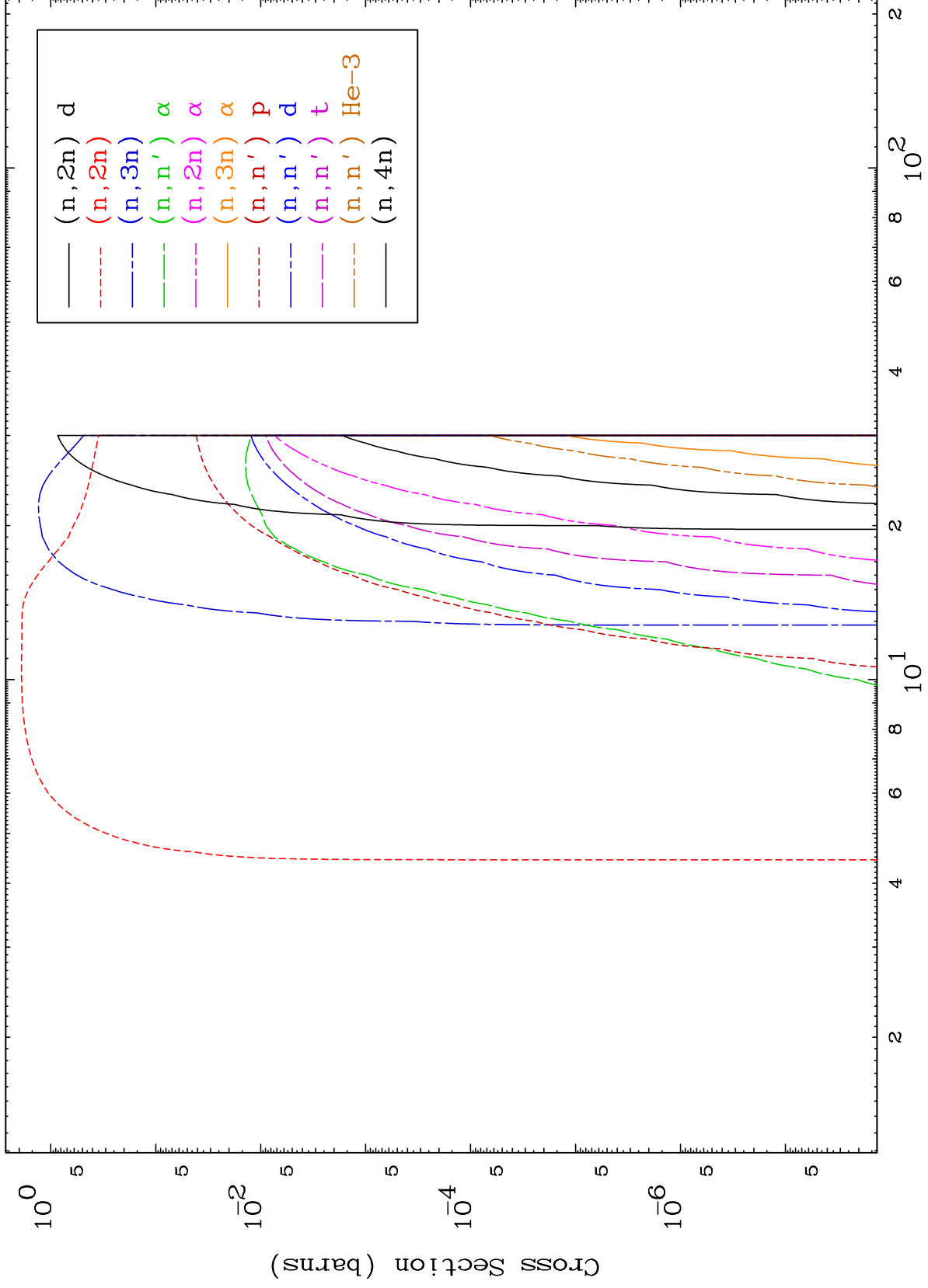
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

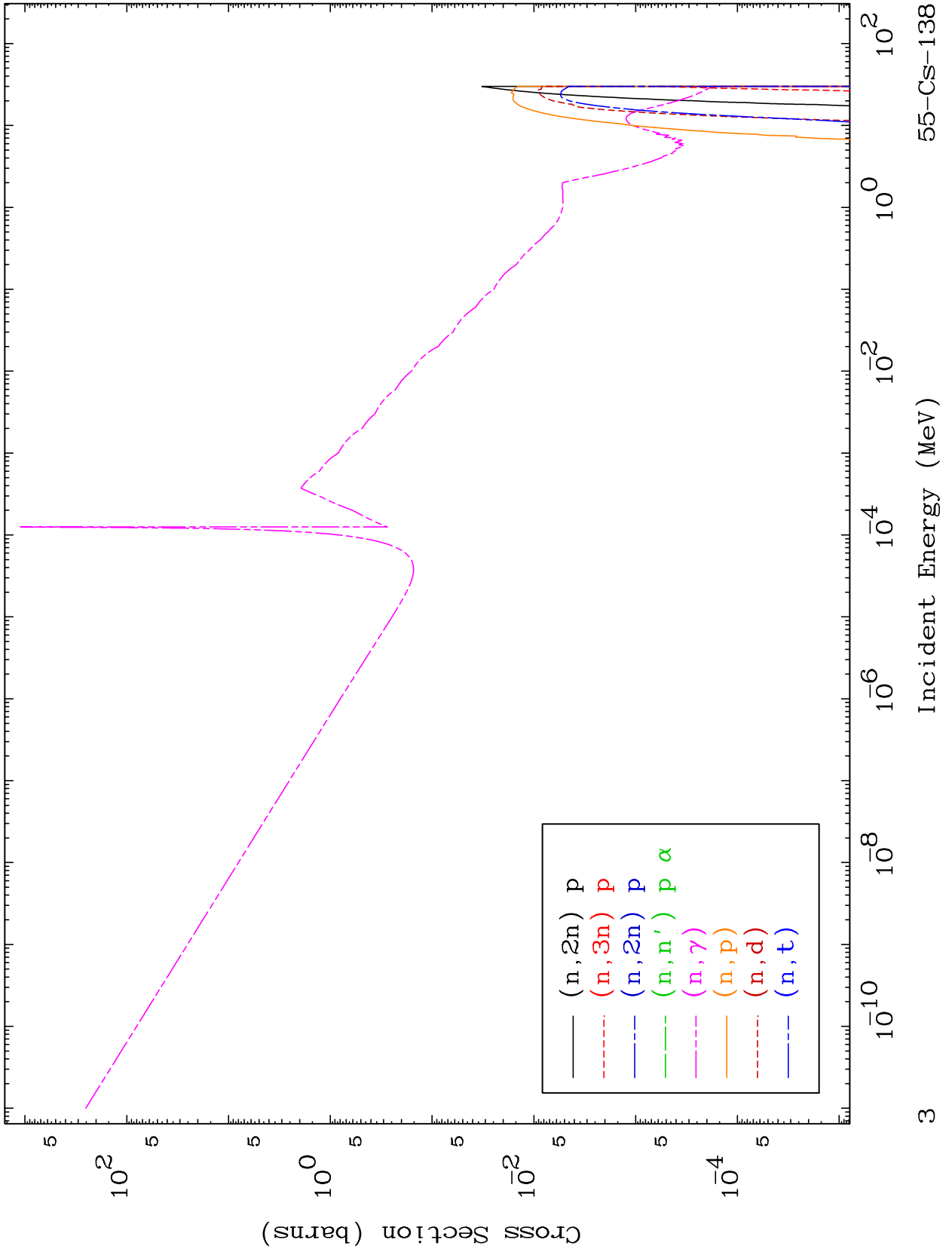


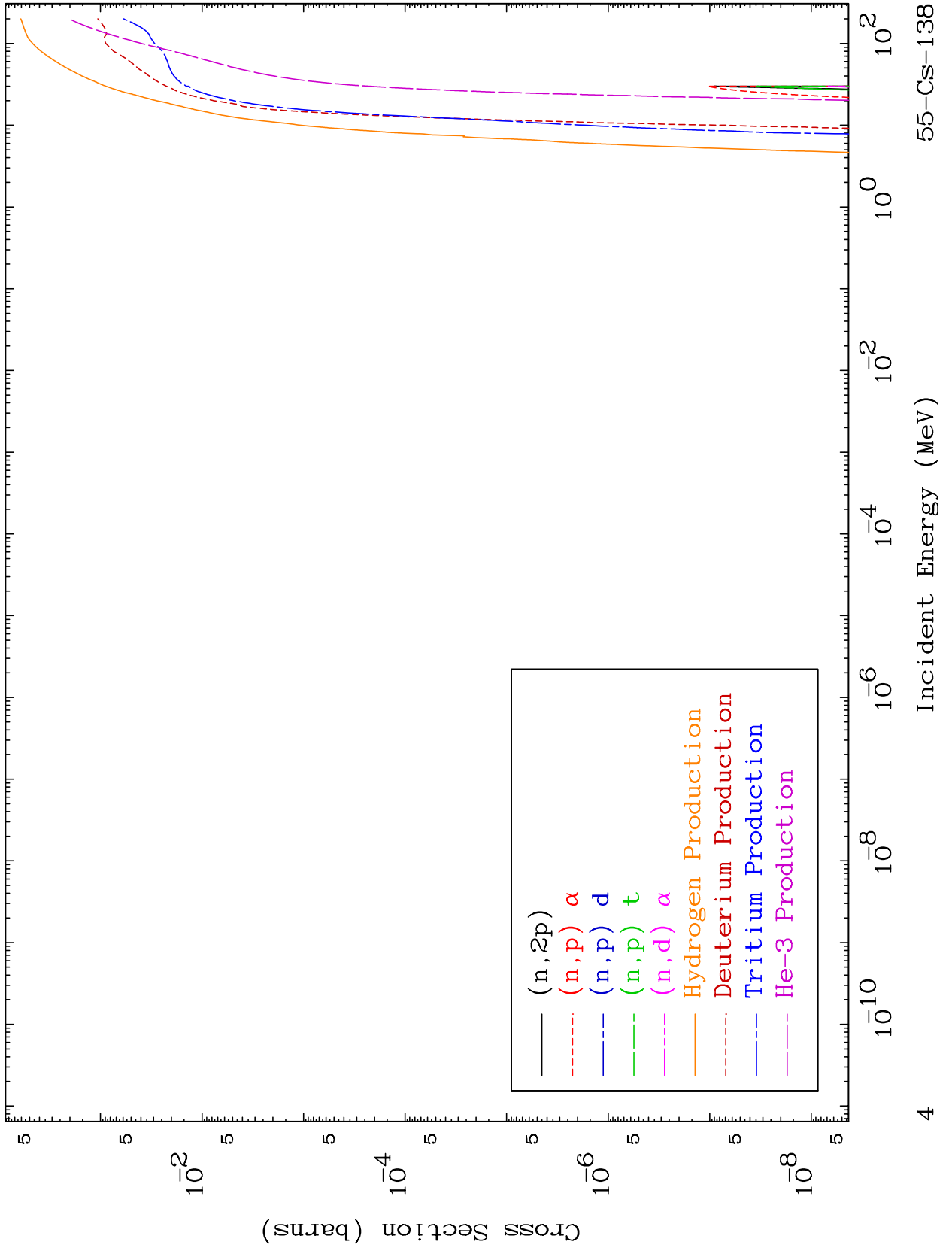


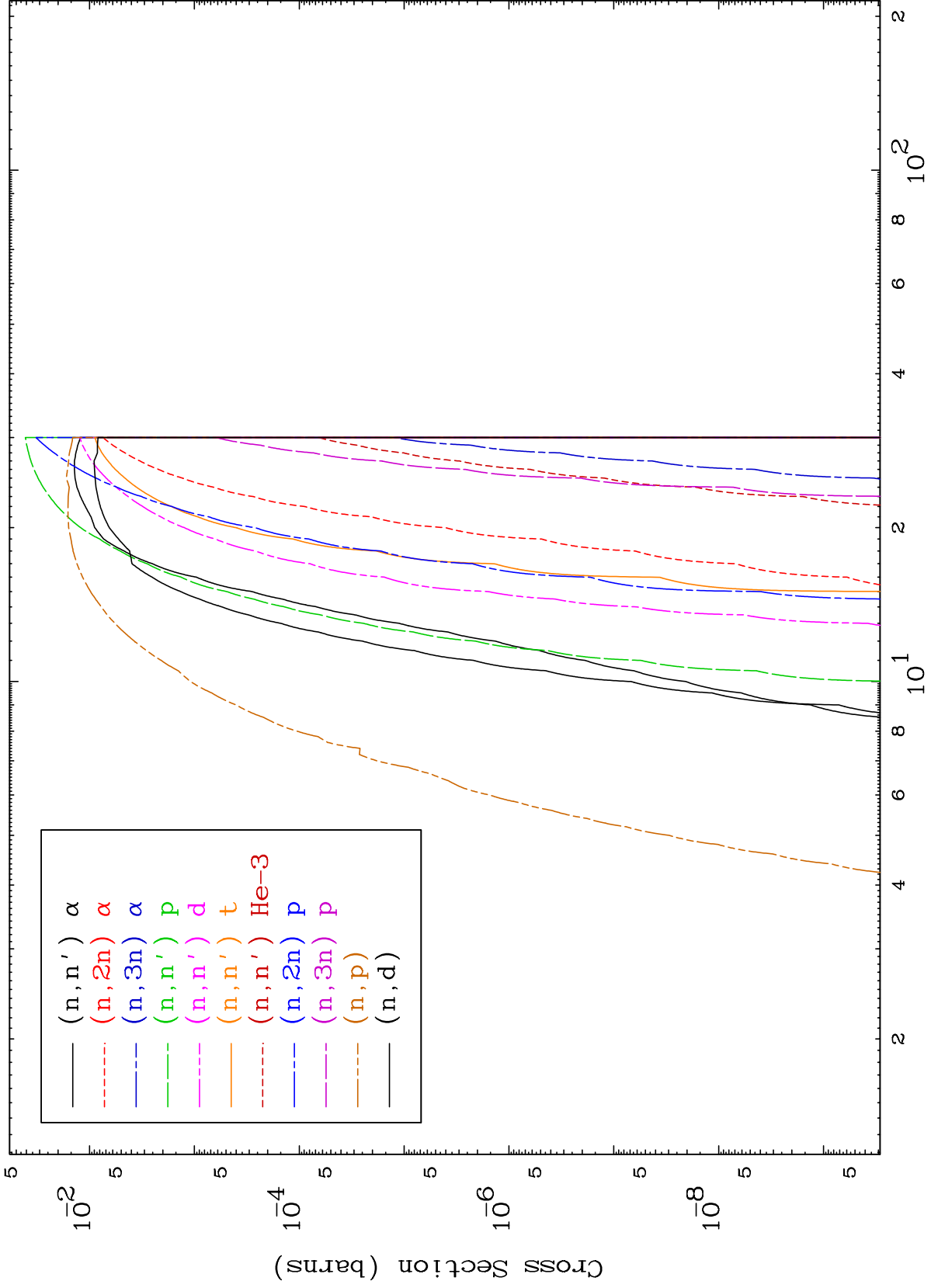
MAT 5540

Neutron Absorption  
293 Kelvin Cross Sections

55-Cs-138



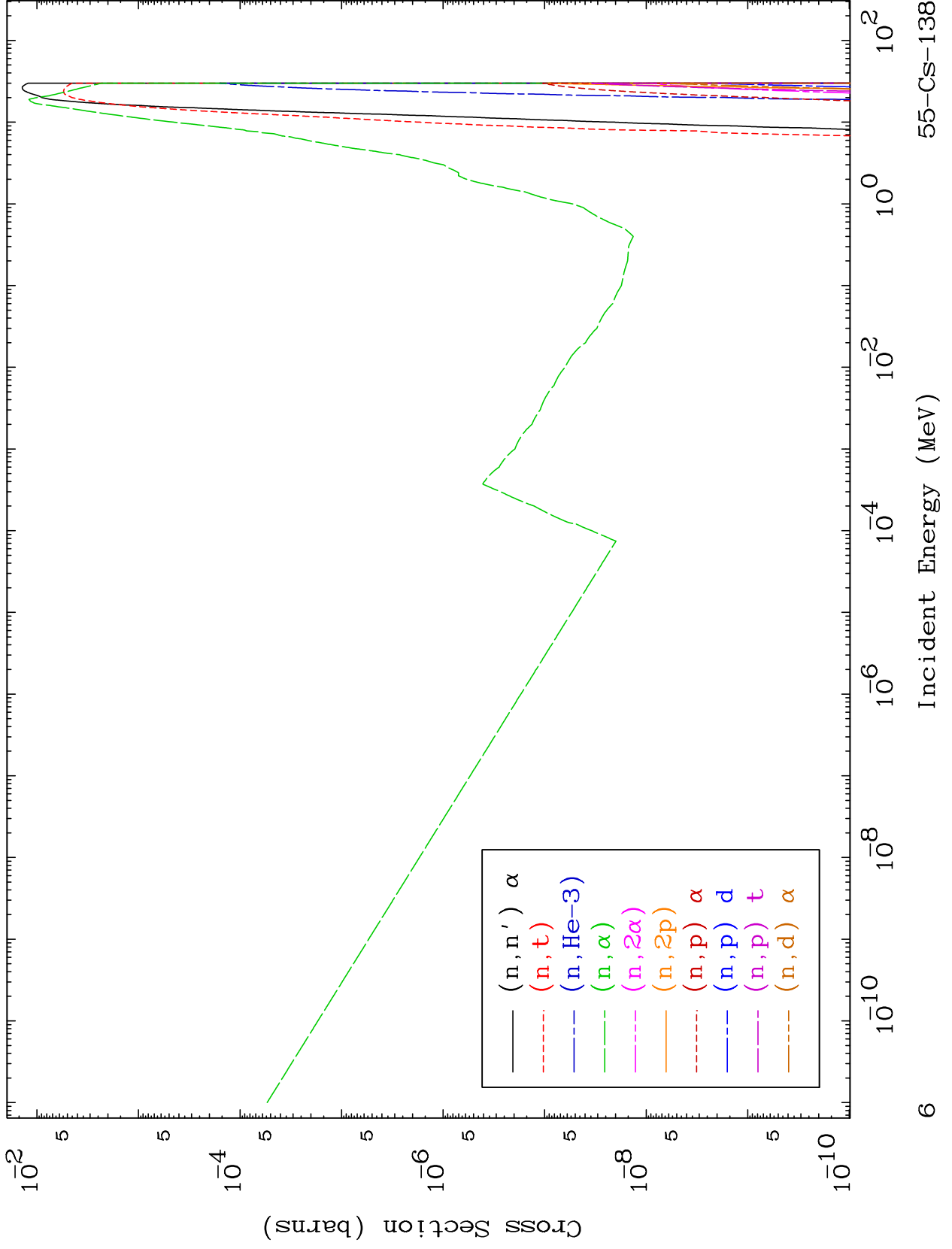


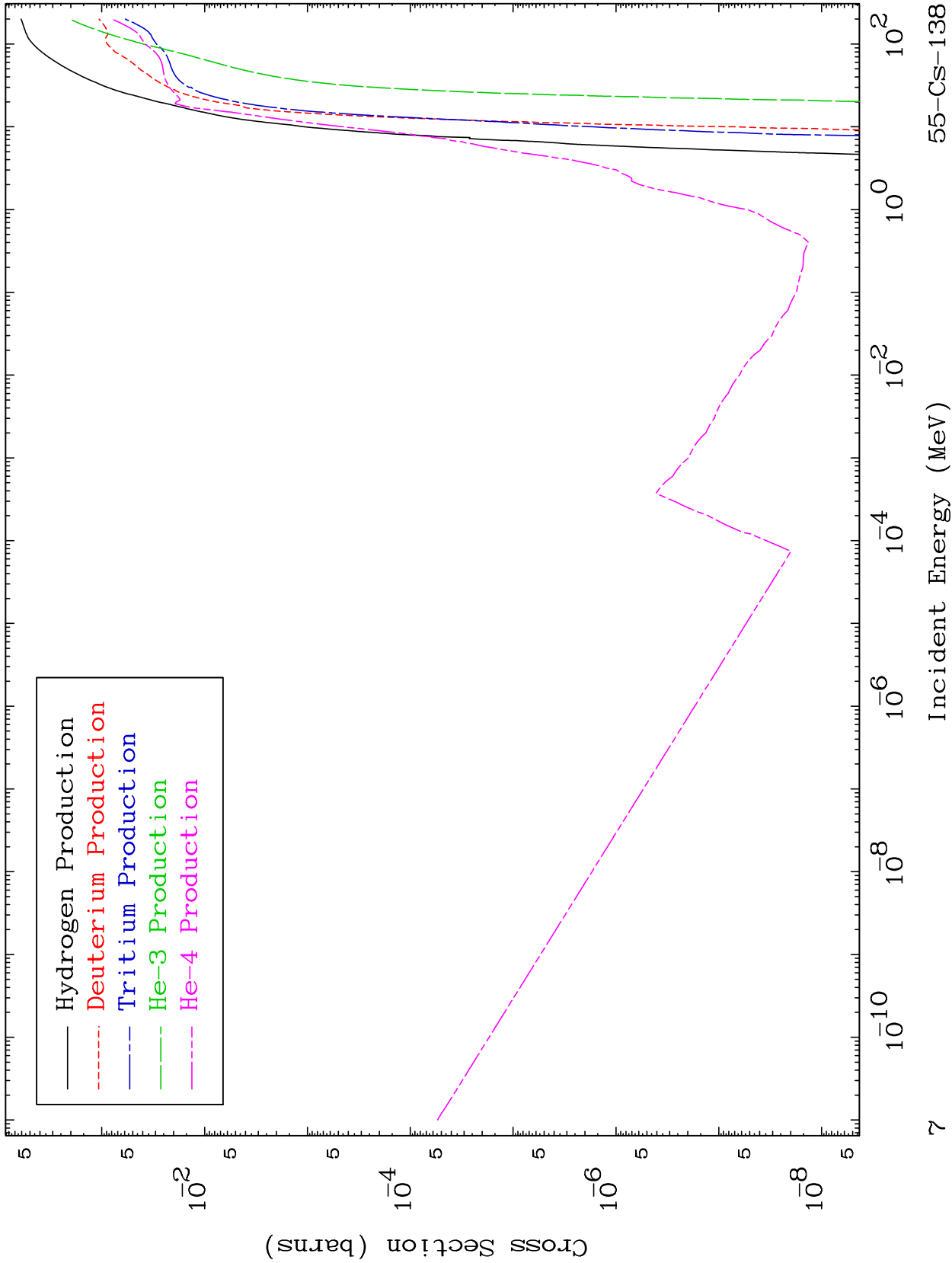


MAT 5540

Charged Particle  
293 Kelvin Cross Sections

55-Cs-138



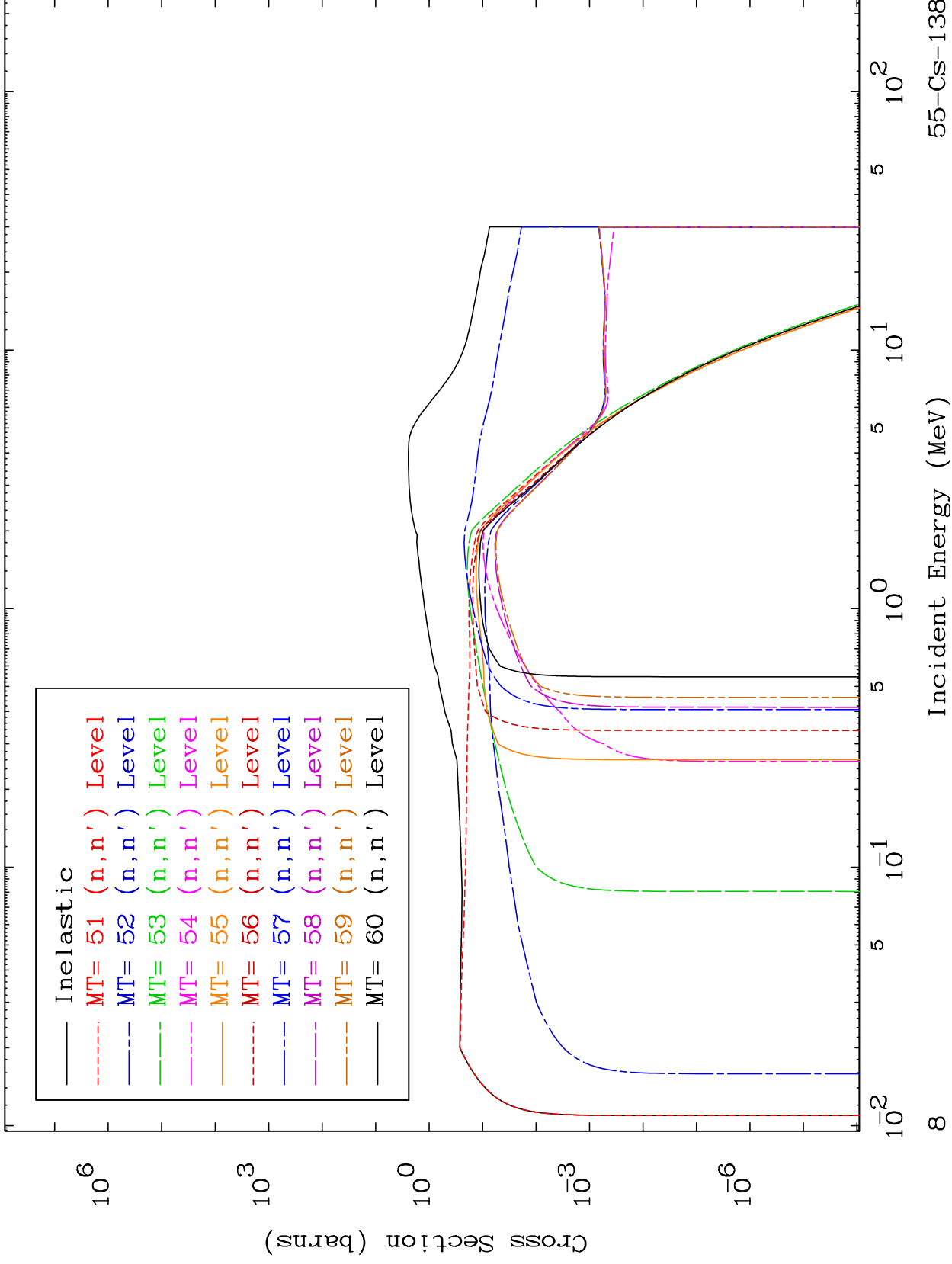




MAT 5540

(n,n') Levels  
293 Kelvin Cross Sections

55-Cs-138

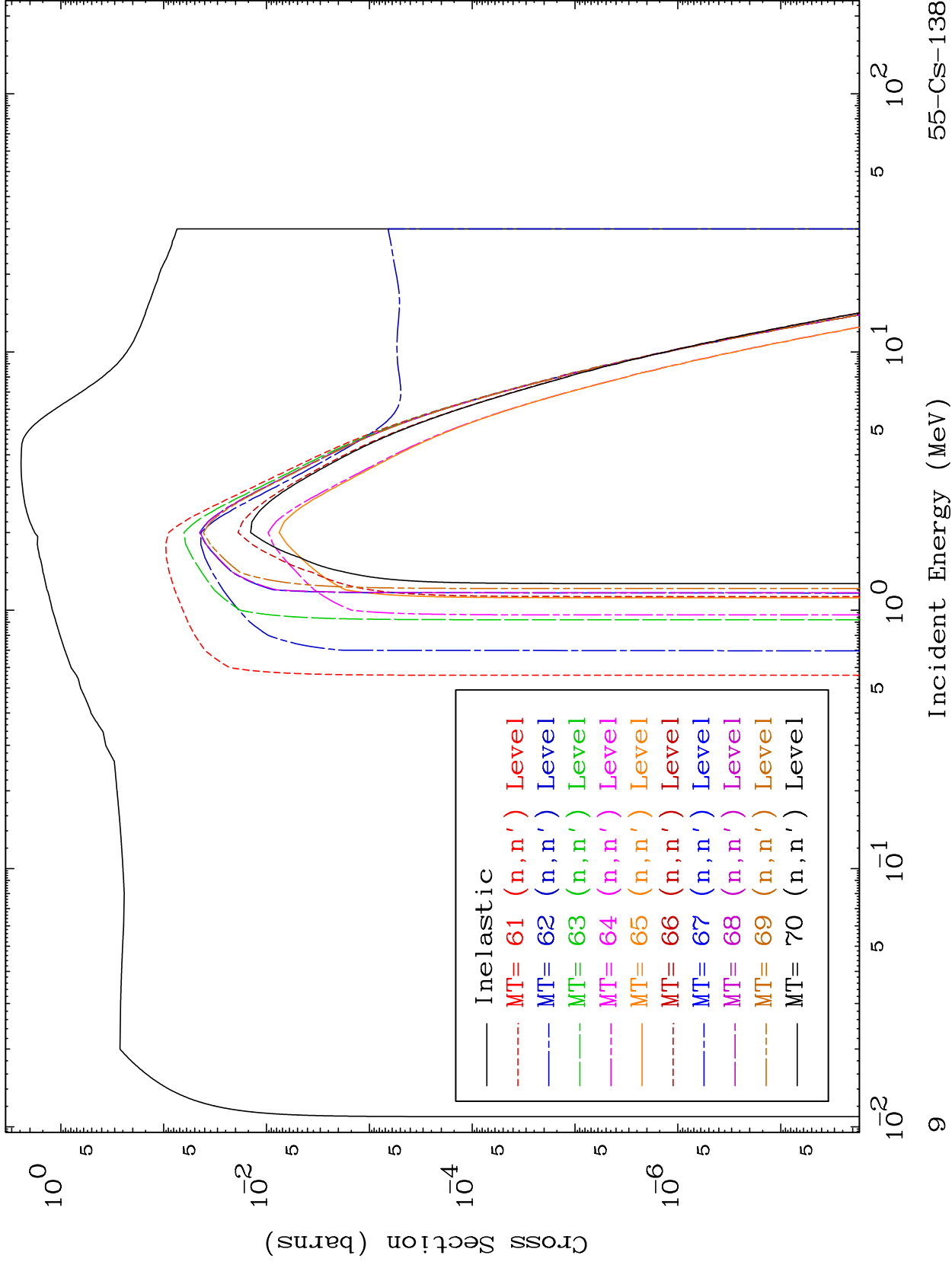


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MAT 5540

(n,n') Levels  
293 Kelvin Cross Sections

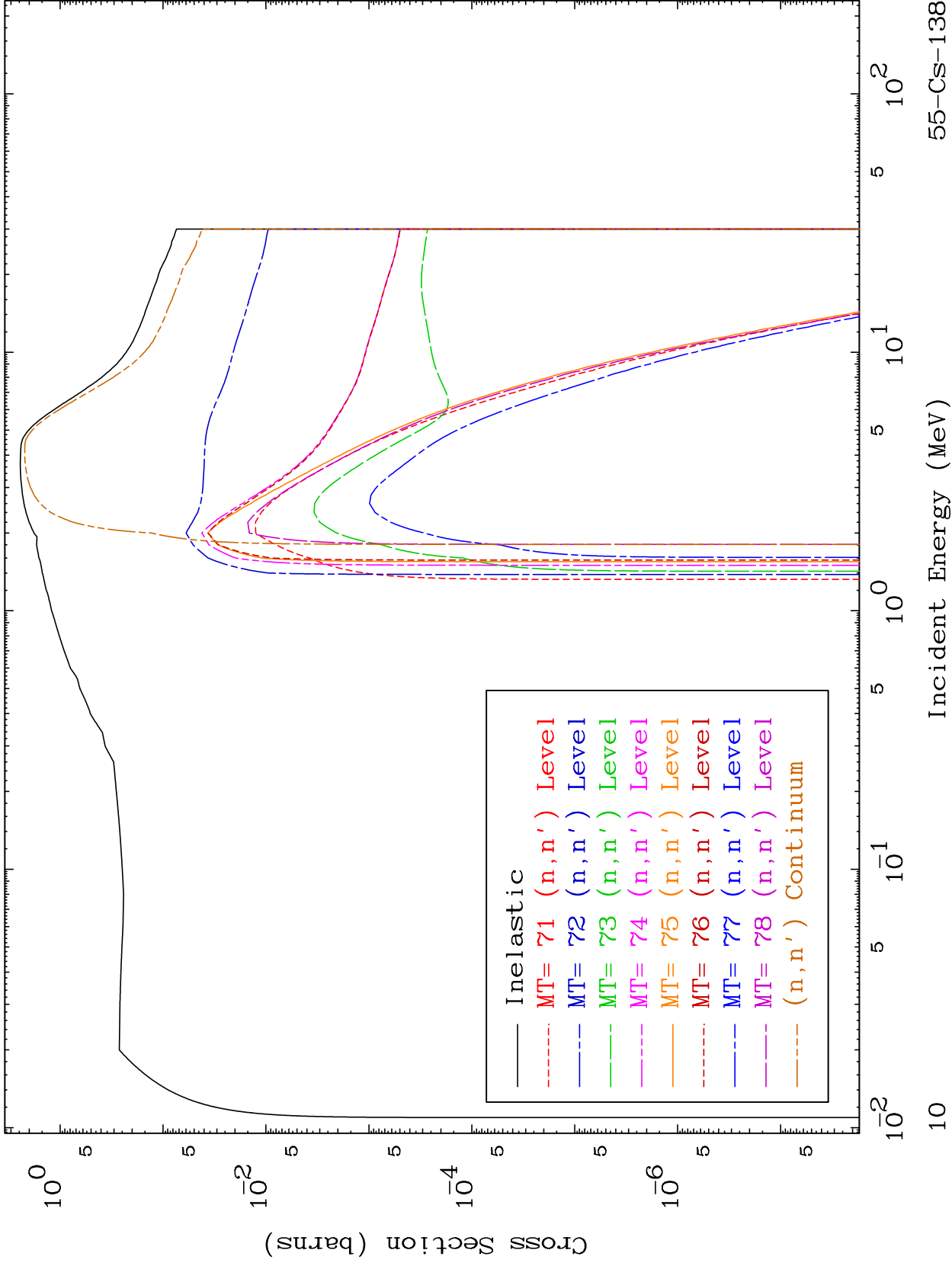
55-Cs-138



MAT 5540

(n,n') Levels  
293 Kelvin Cross Sections

55-Cs-138

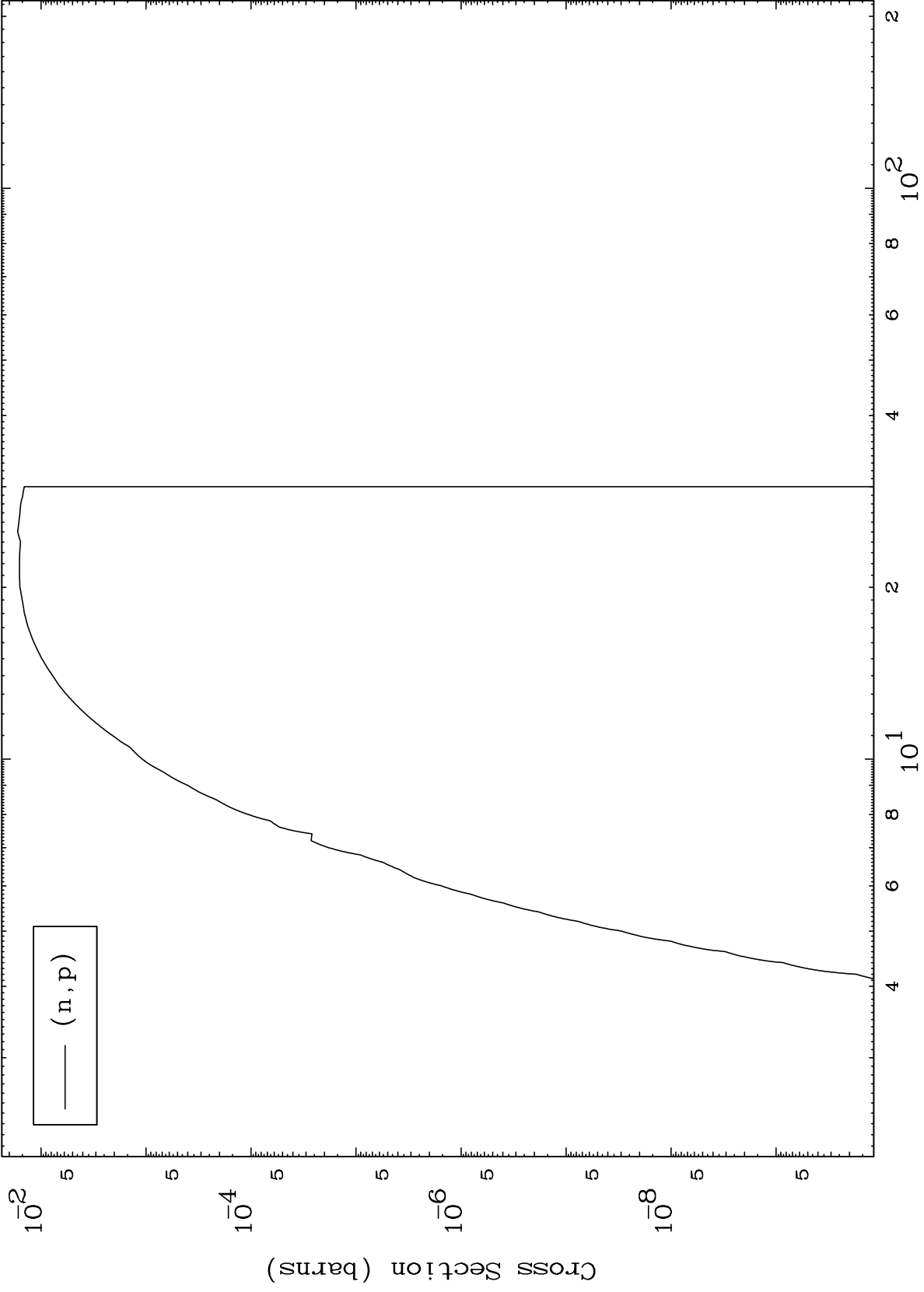


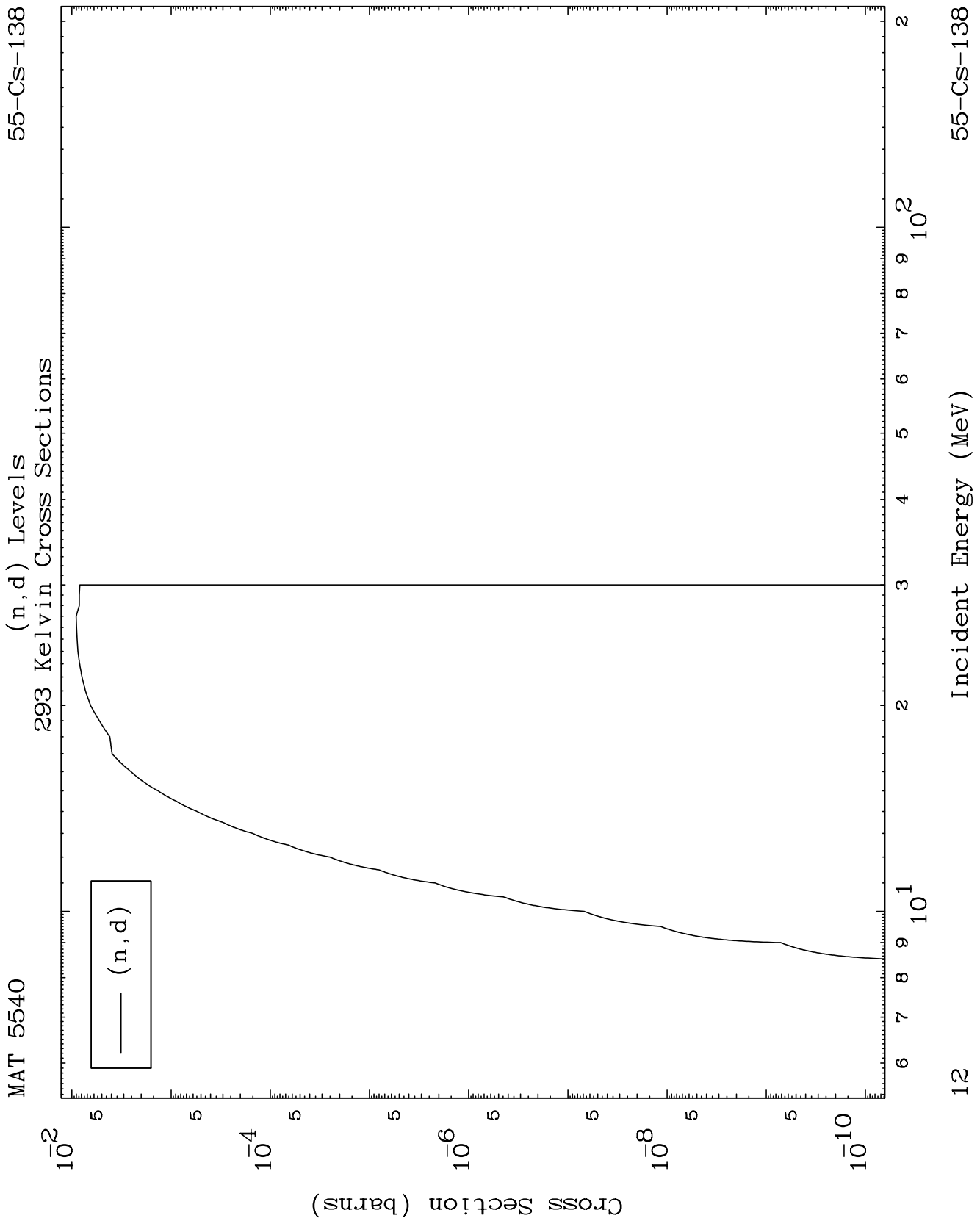
55-Cs-138

MAT 5540

(n,p) Levels  
293 Kelvin Cross Sections

55-Cs-138

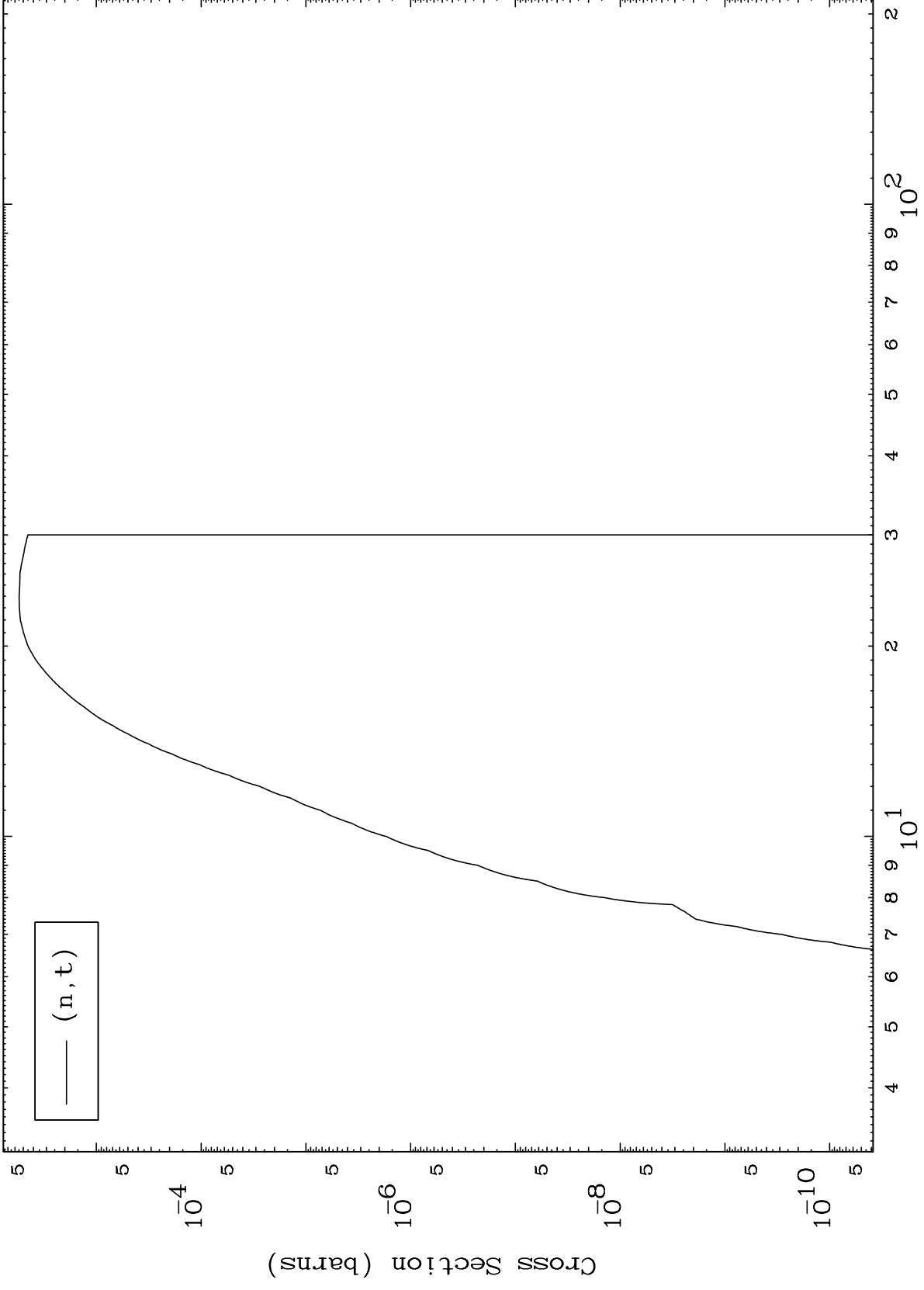




MAT 5540

(n,t) Levels  
293 Kelvin Cross Sections

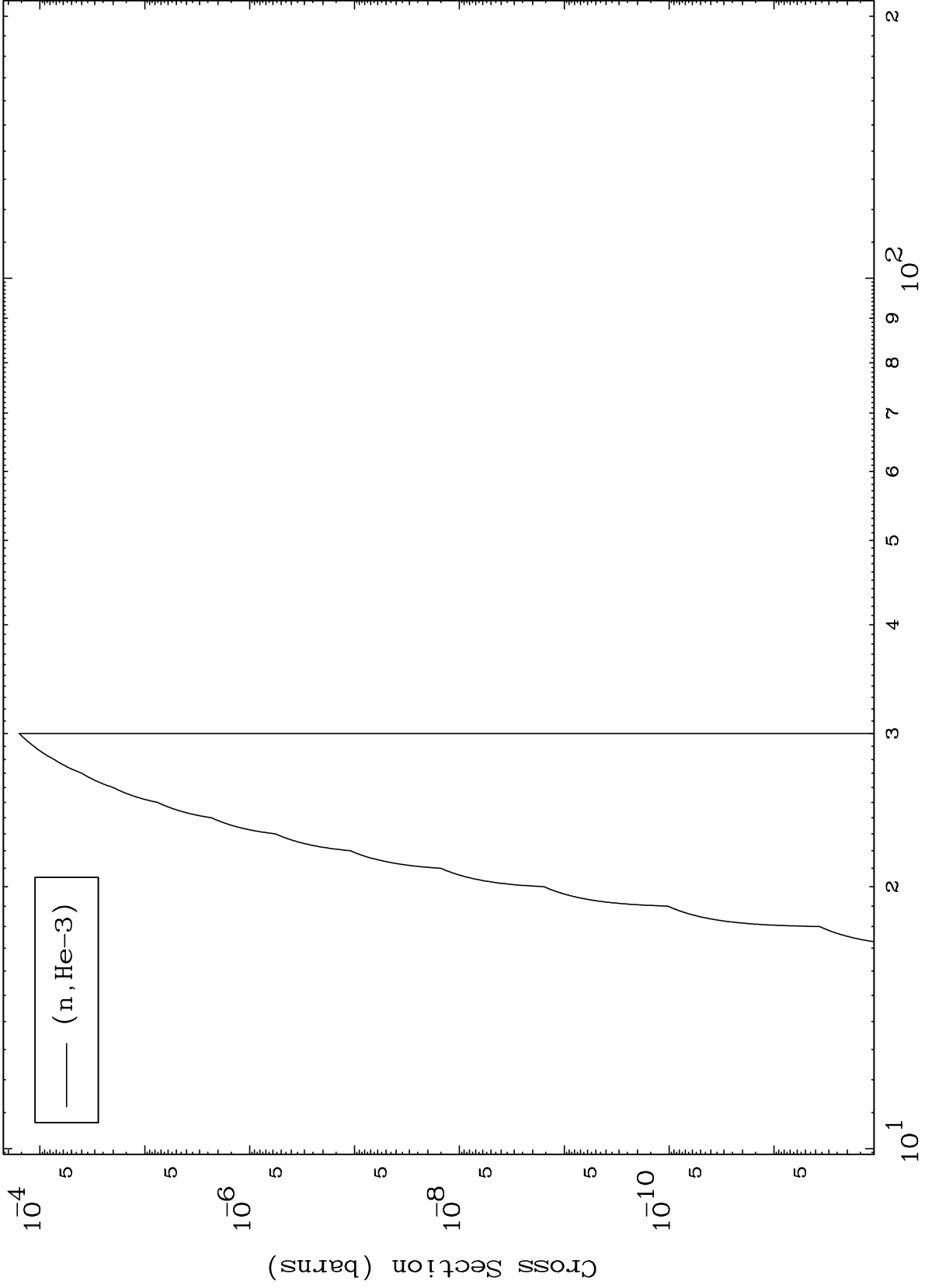
55-Cs-138



MAT 5540

(n,He3) Levels  
293 Kelvin Cross Sections

55-Cs-138



14

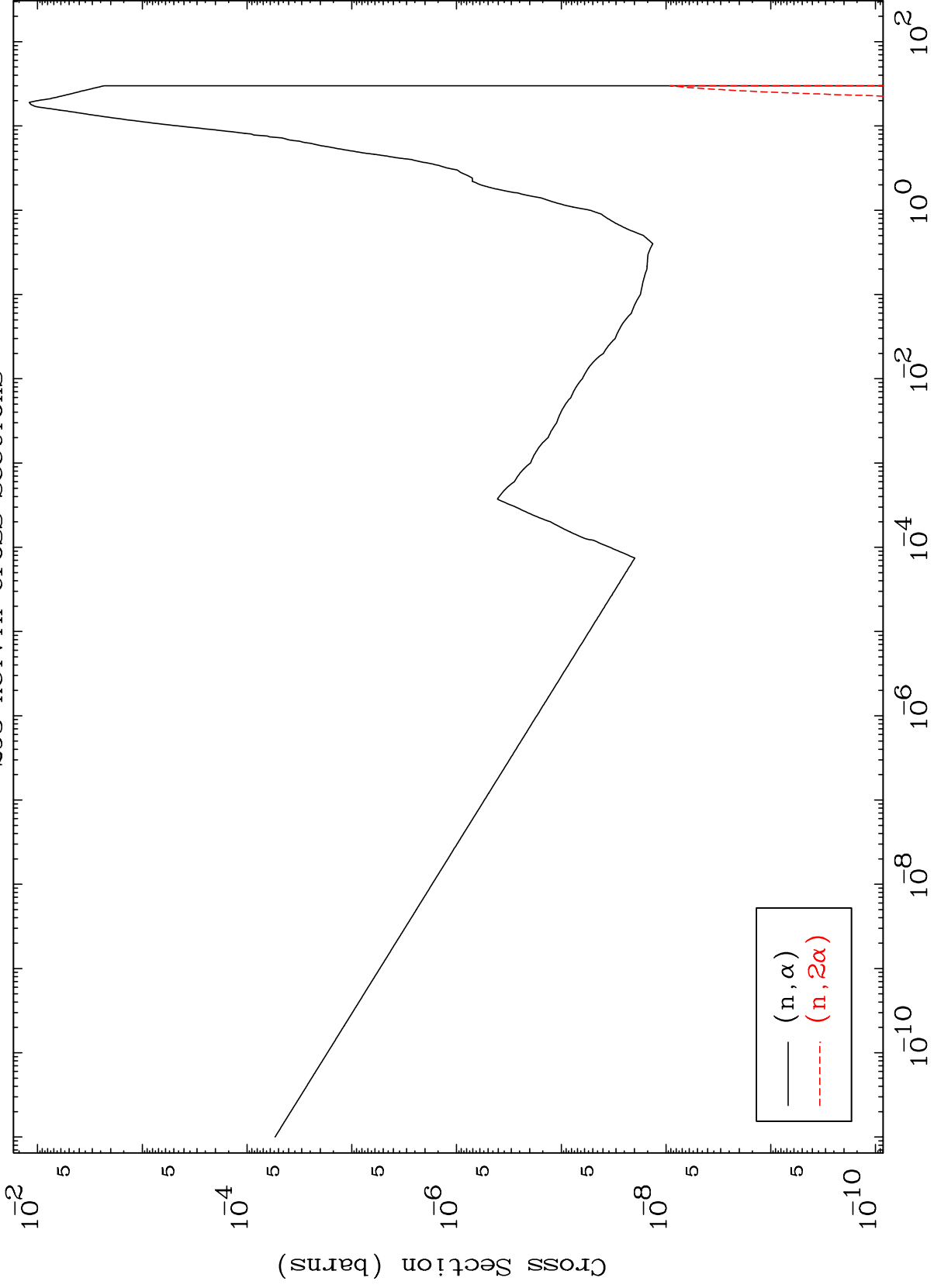
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



15

Incident Energy (MeV)

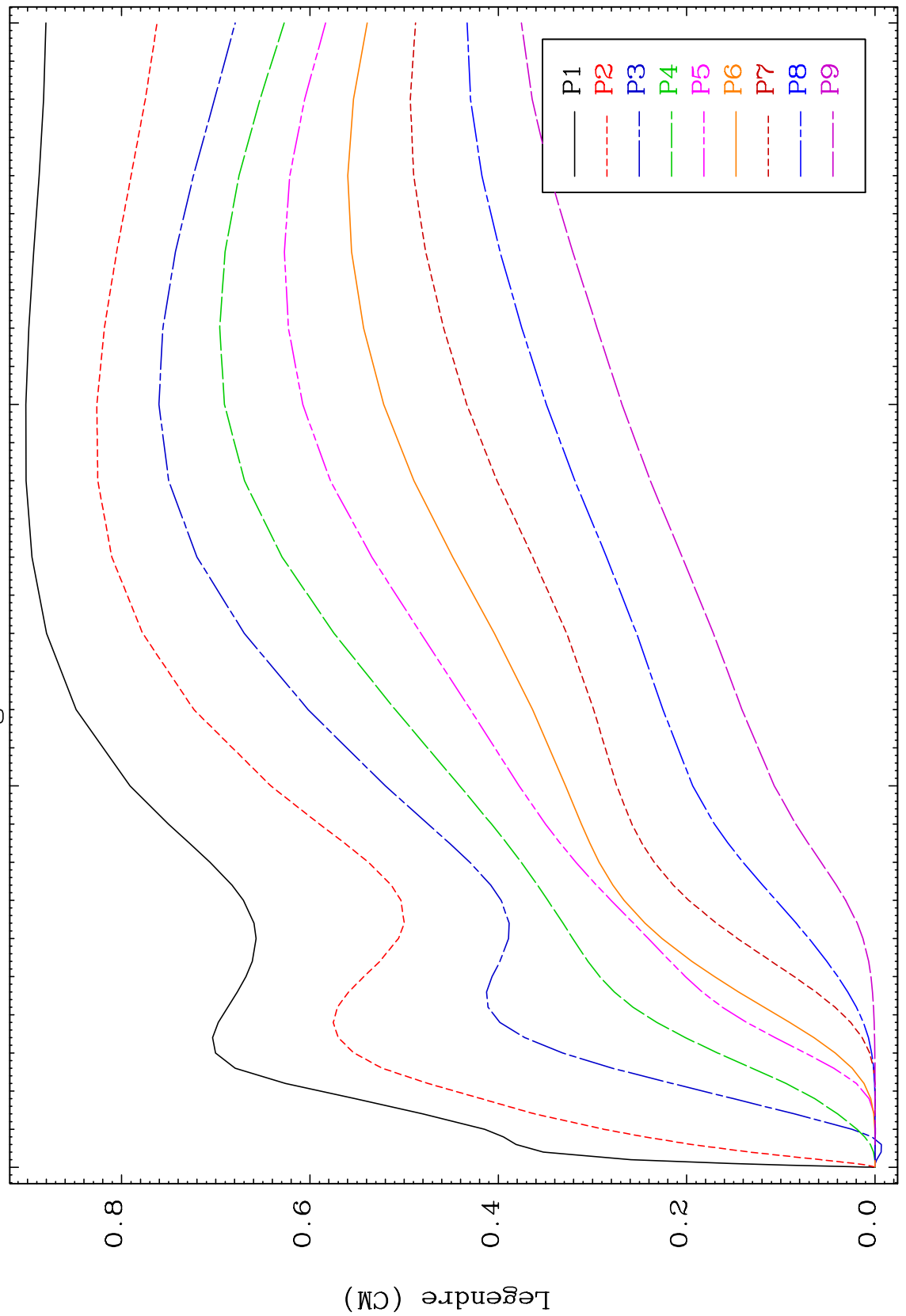
55-Cs-138



MAT 5540

Elastic Legendre Coefficients

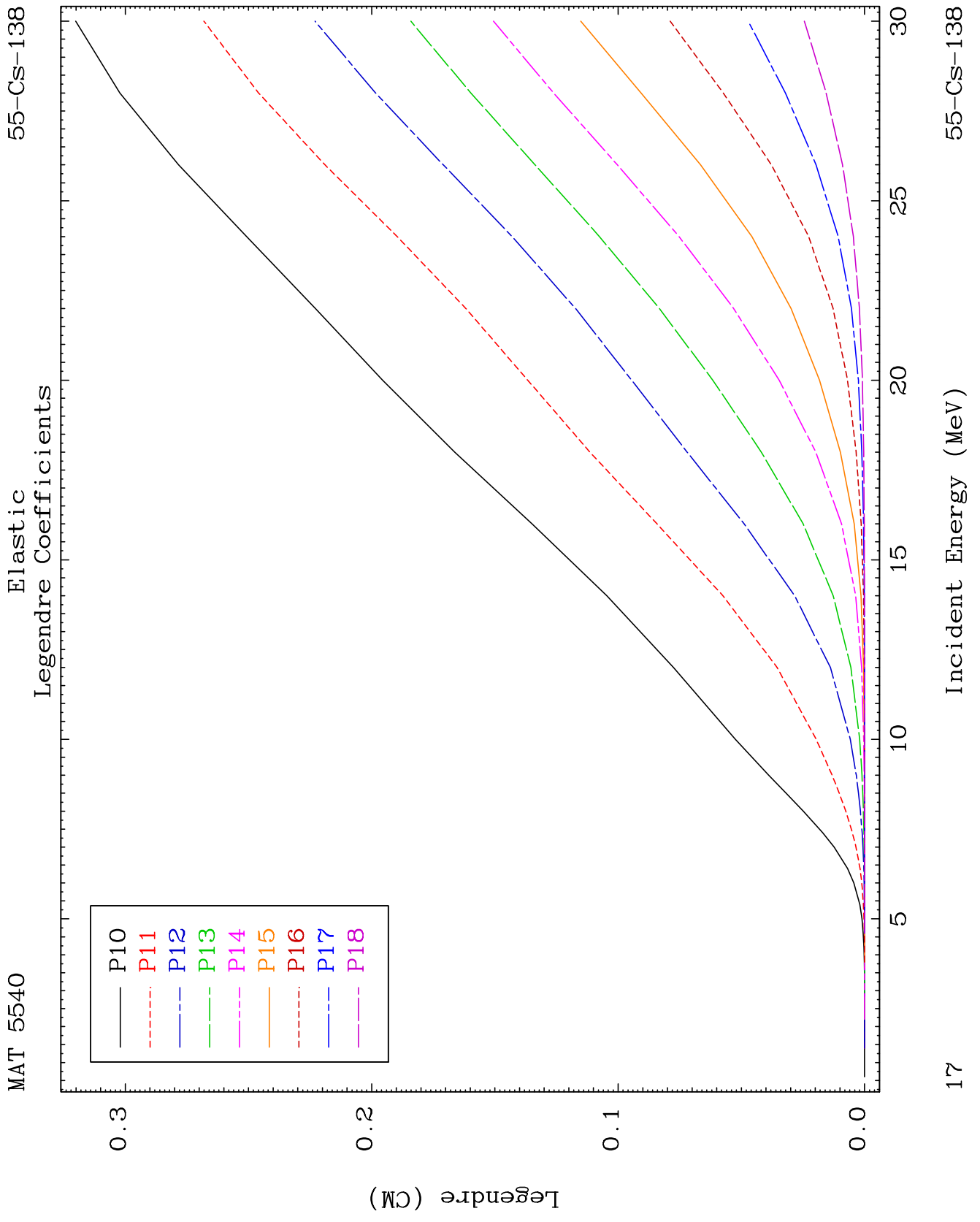
55-Cs-138



16

Incident Energy (MeV)

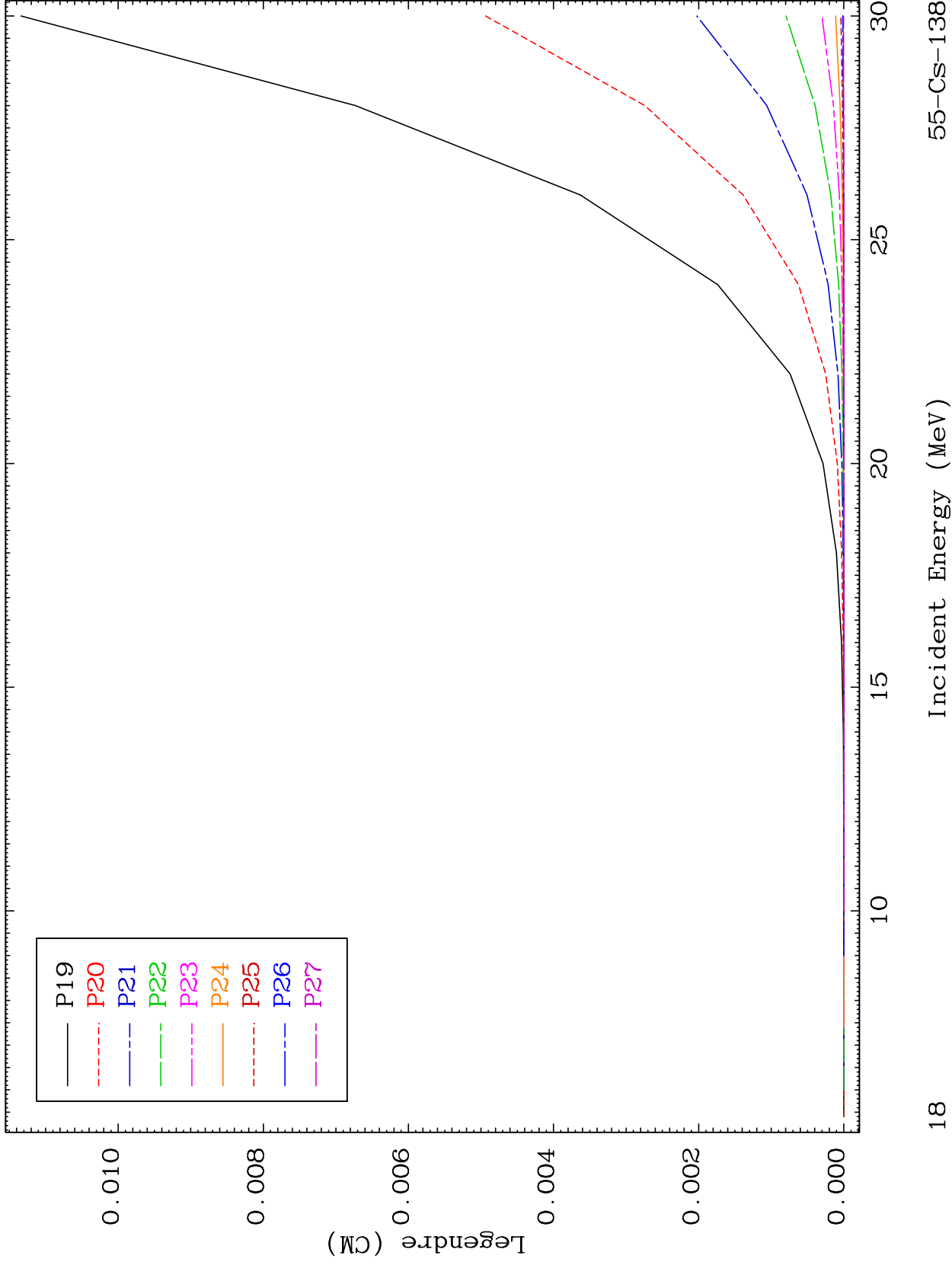
55-Cs-138



MAT 5540

### Elastic Legendre Coefficients

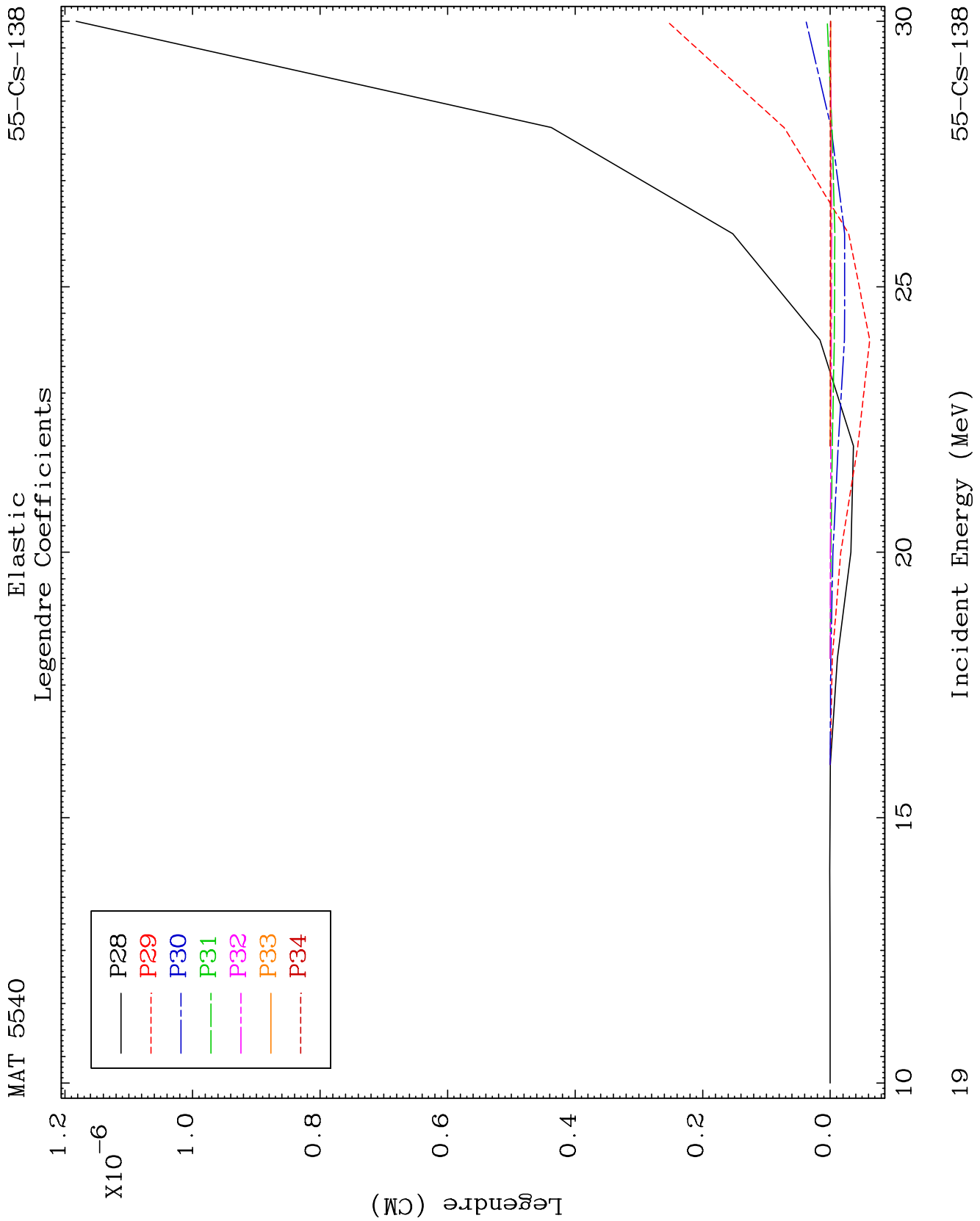
55-Cs-138



18

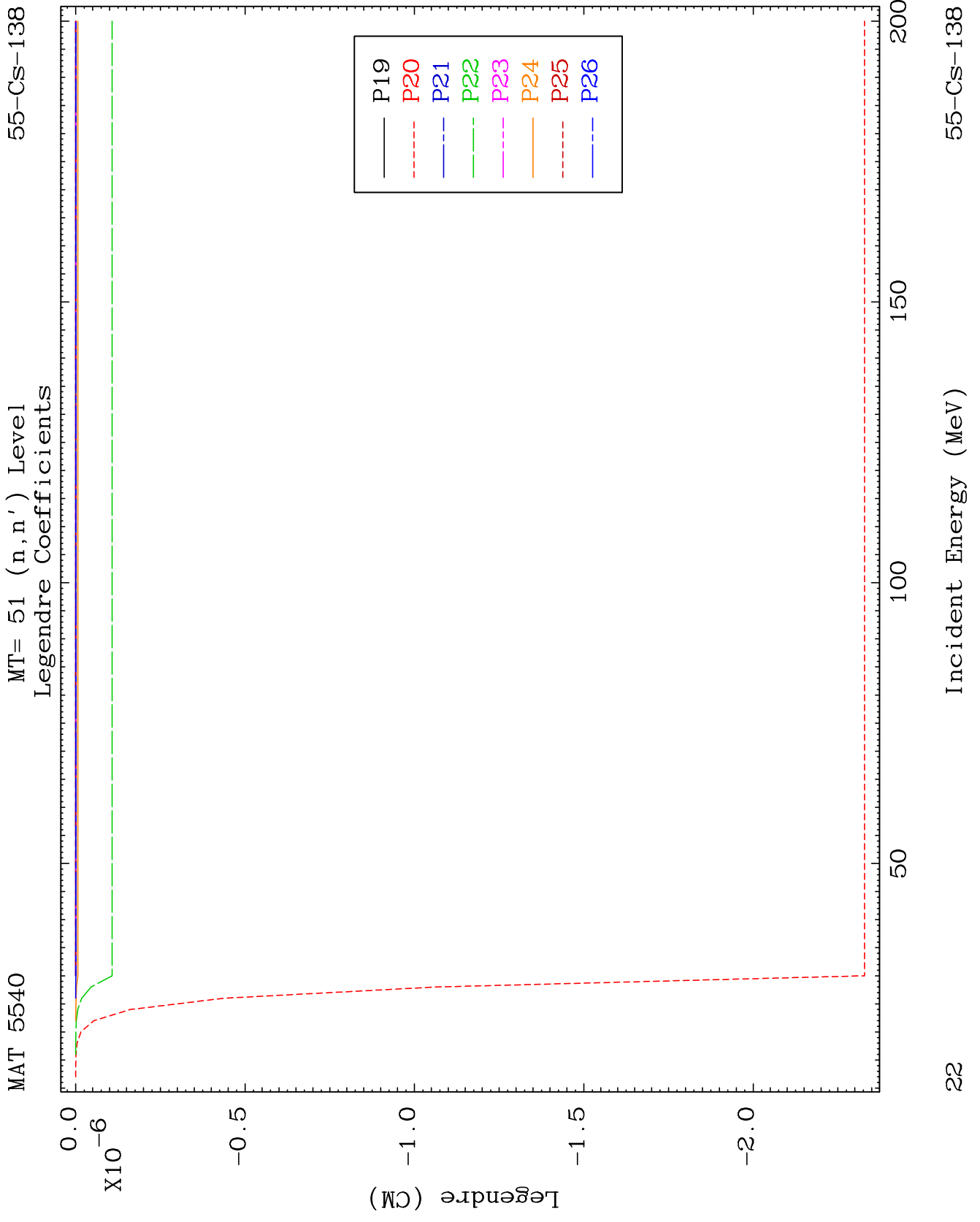
Incident Energy (MeV)

55-Cs-138





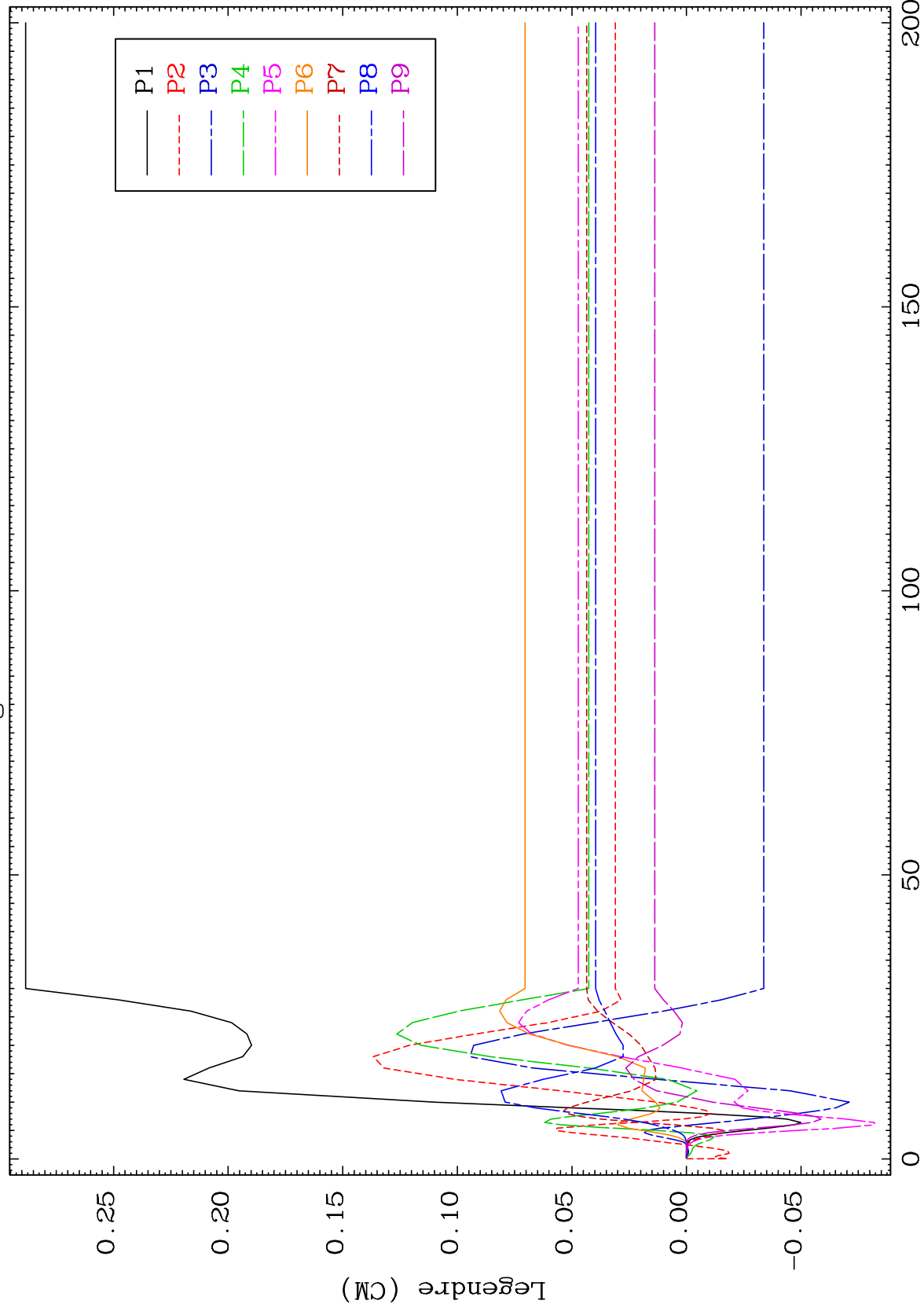




MAT 5540

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

55-Cs-138



23

Incident Energy (MeV)

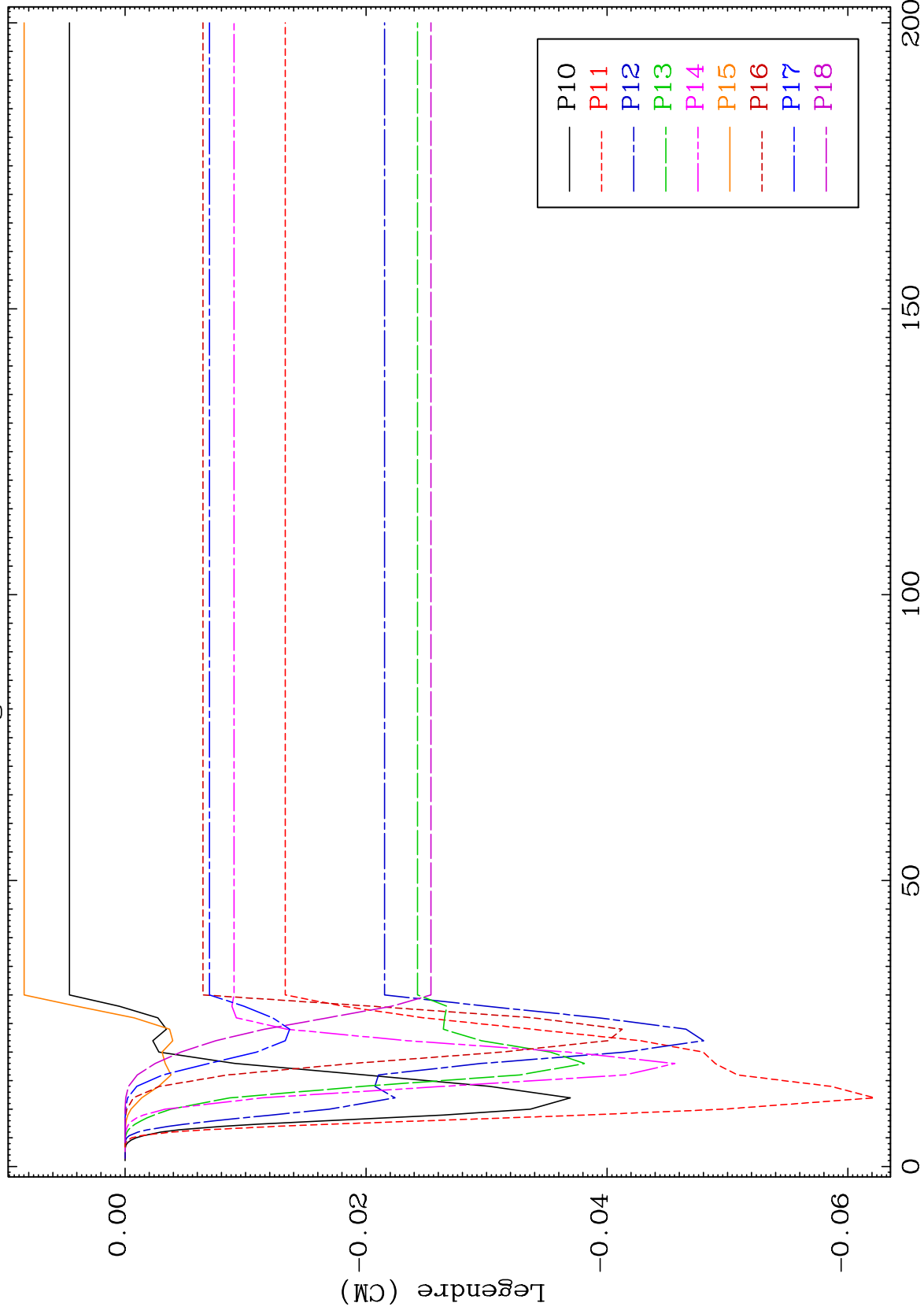
55-Cs-138



MAT 5540

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

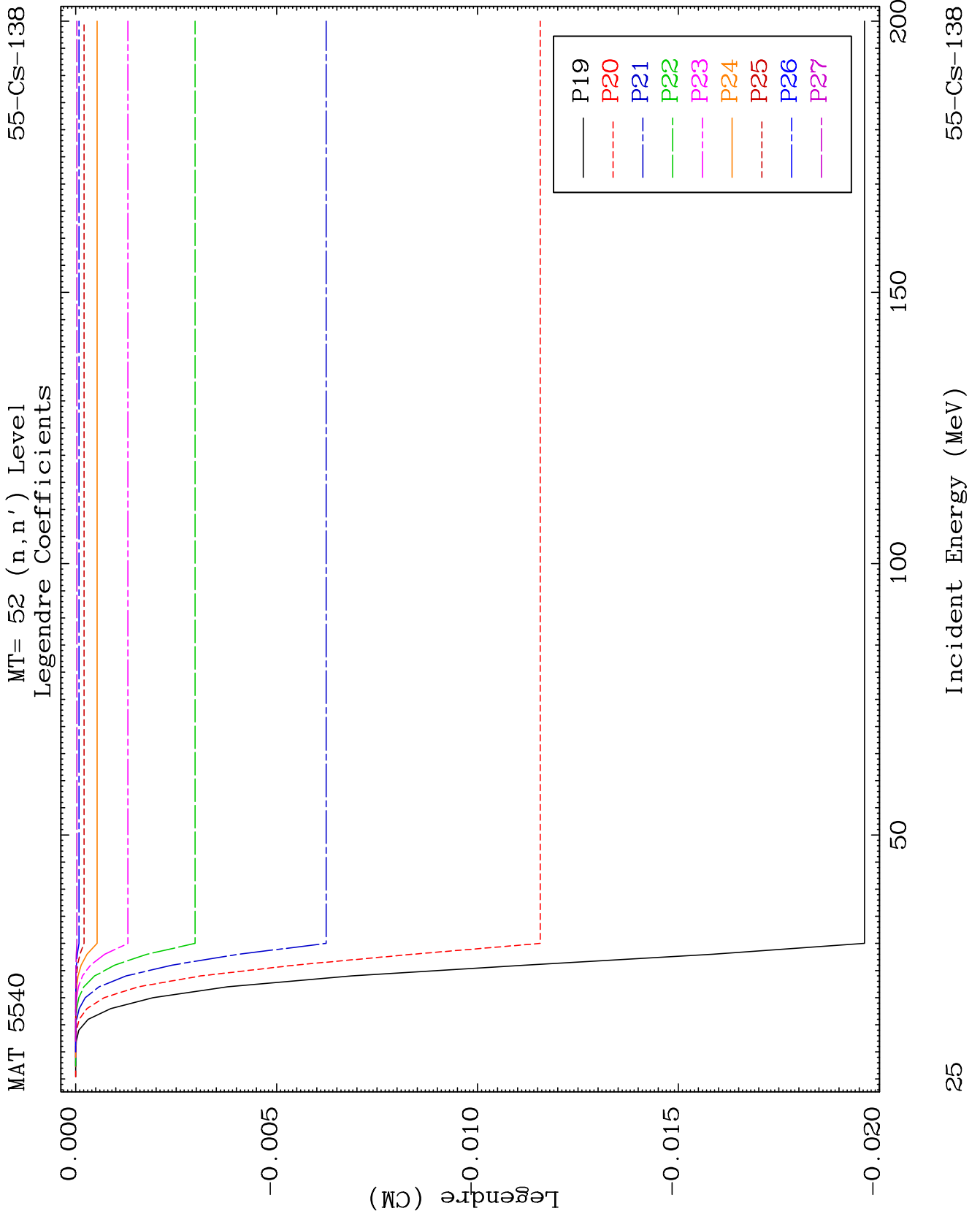
55-Cs-138

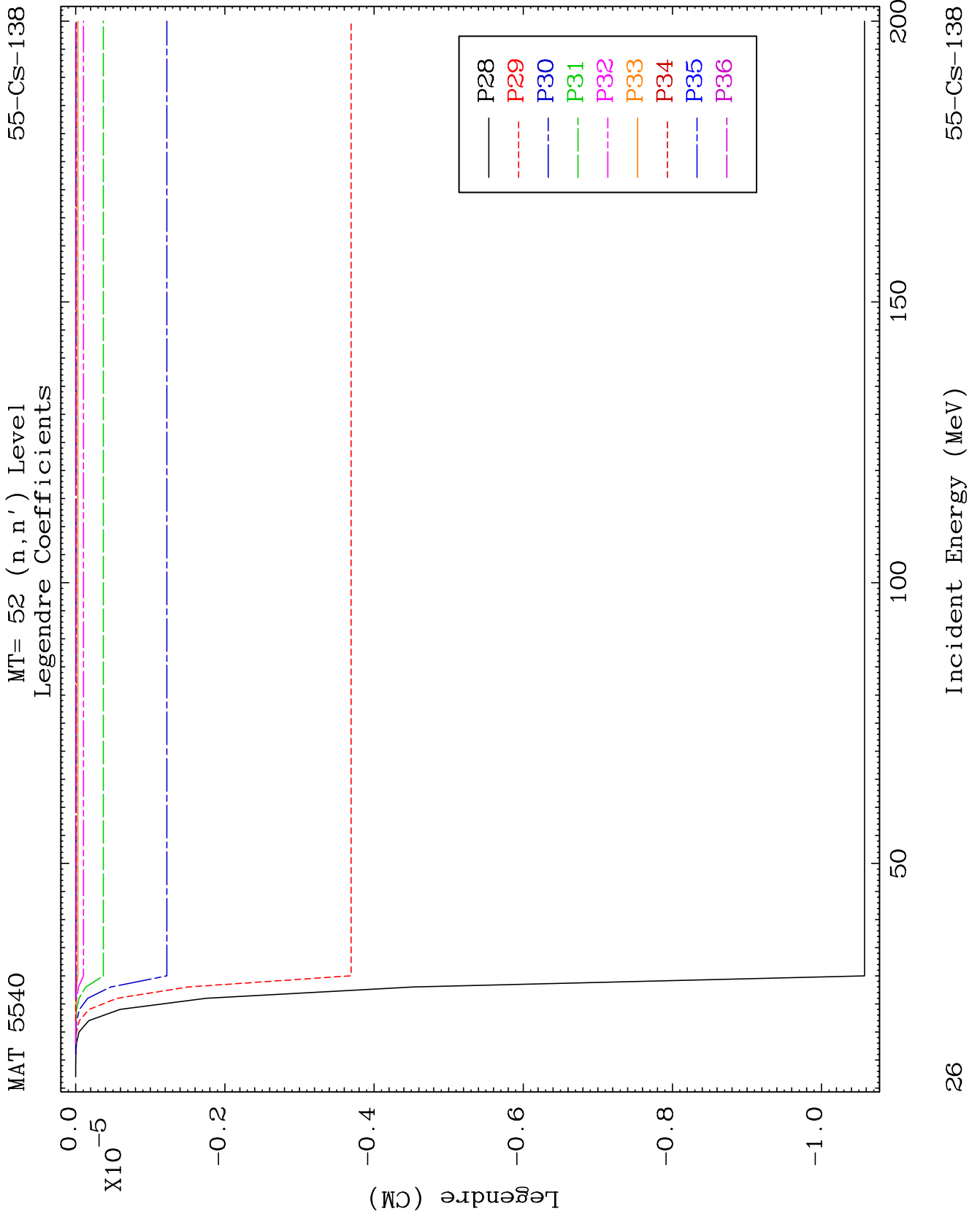


55-Cs-138

Incident Energy (MeV)

24

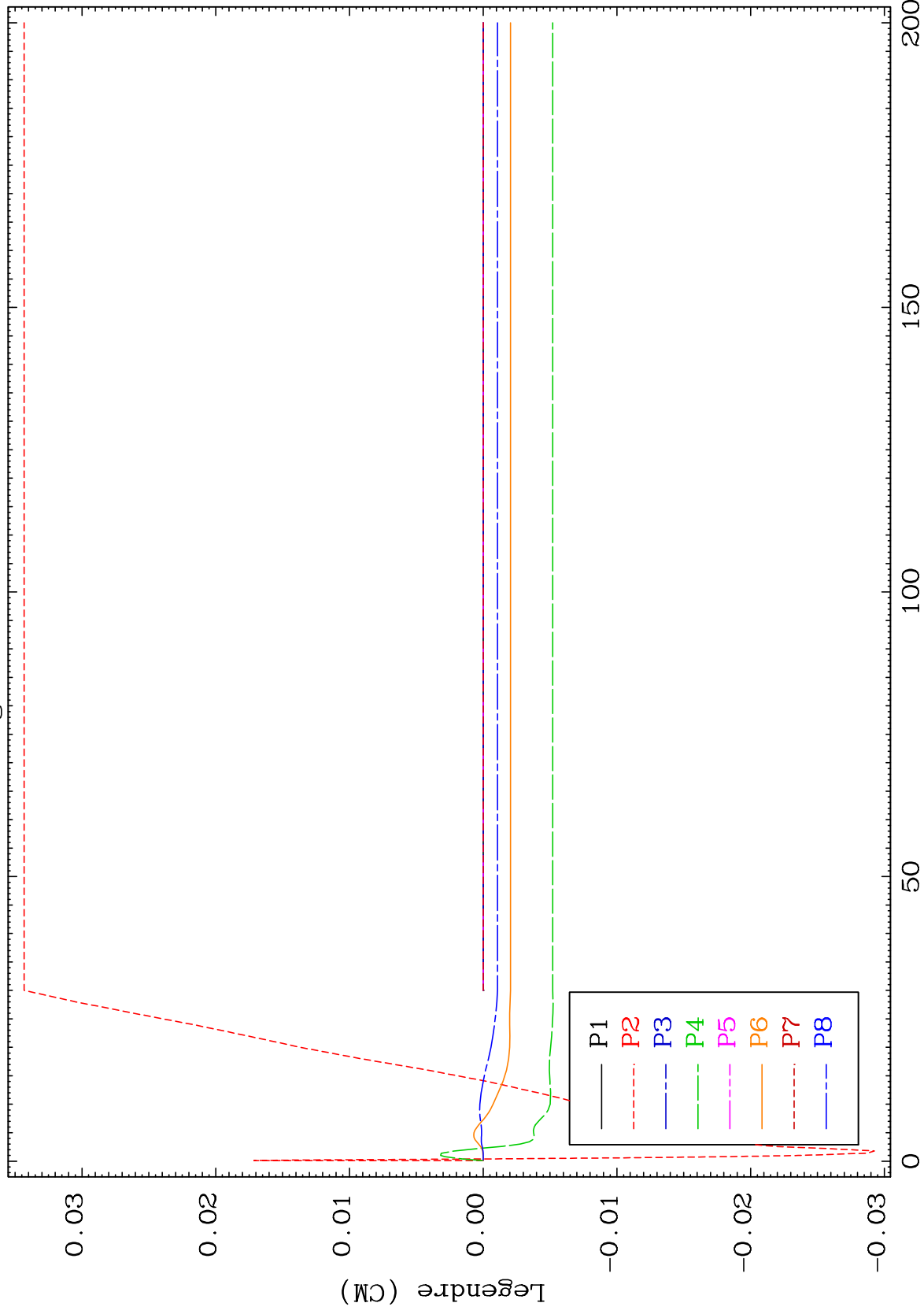




MAT 5540

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

55-Cs-138



27

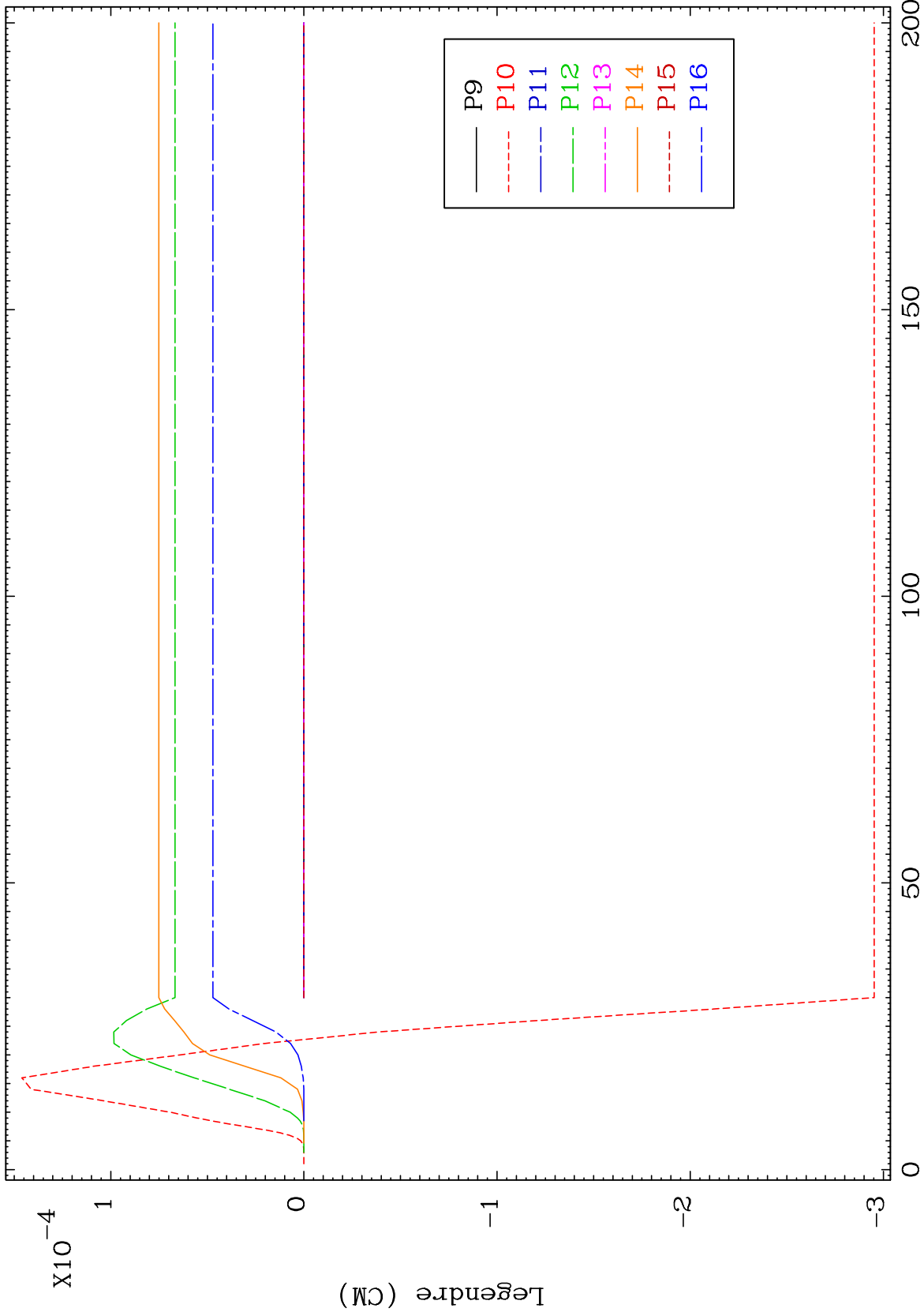
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

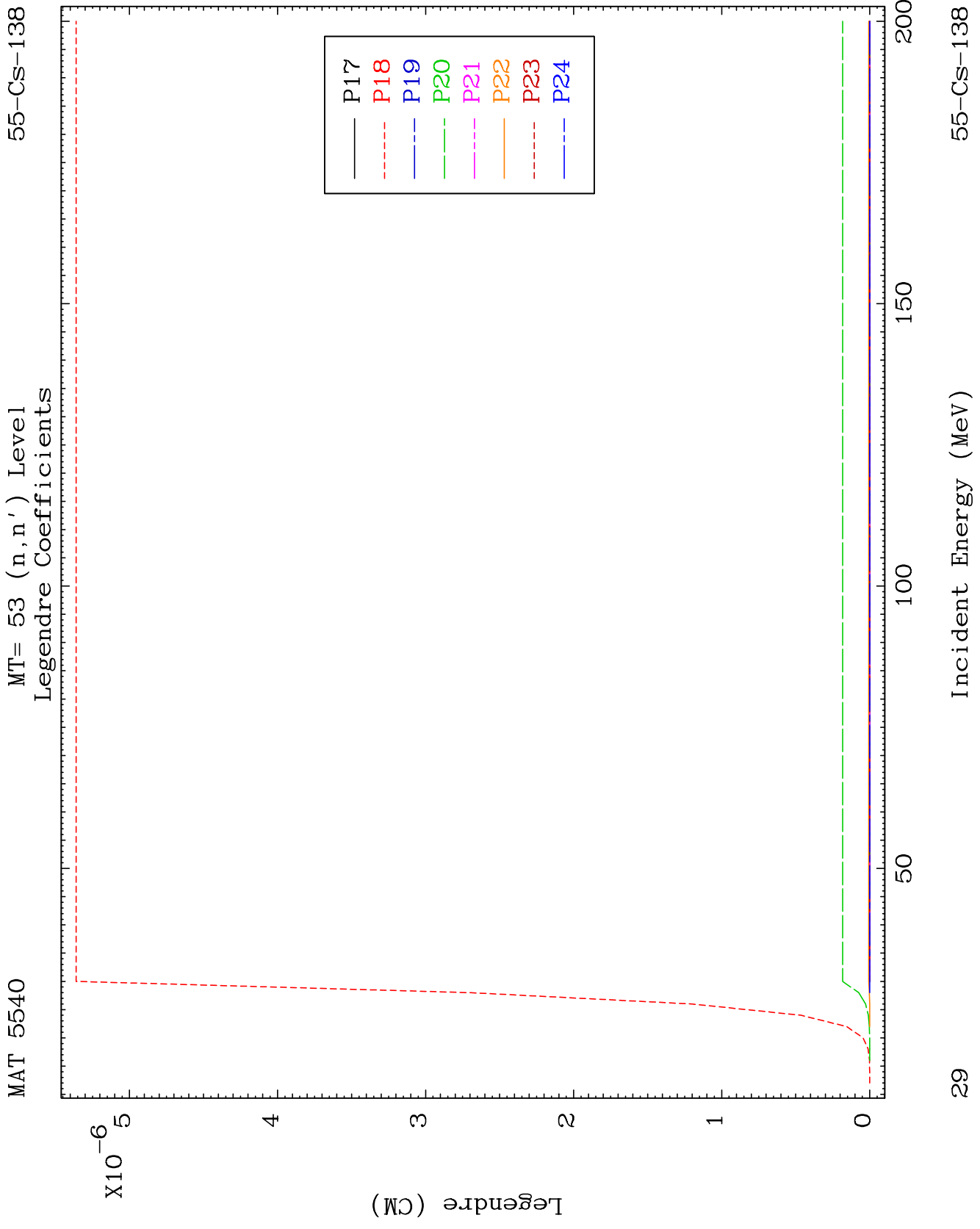
55-Cs-138



28

Incident Energy (MeV)

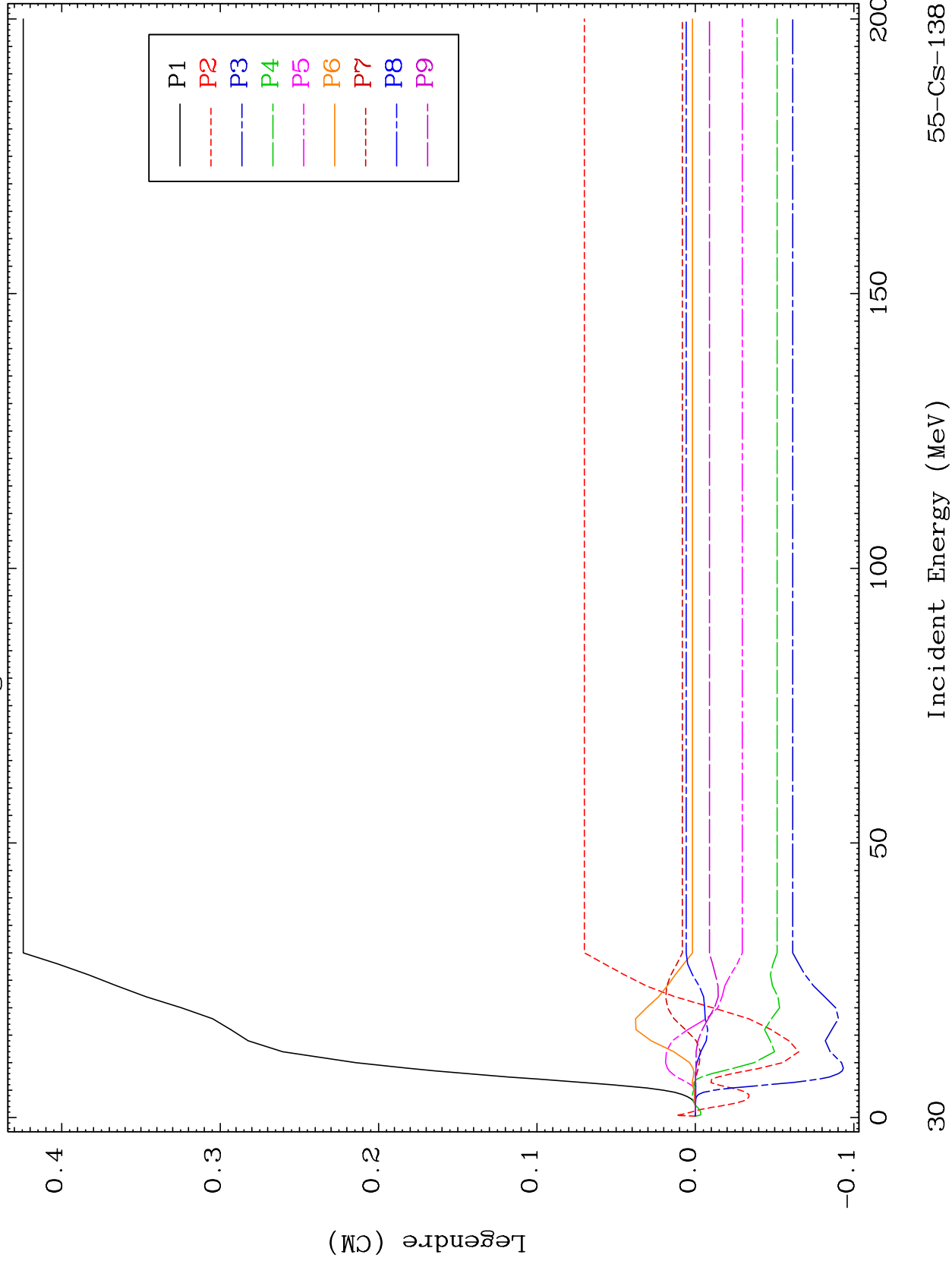
55-Cs-138



MAT 5540

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

55-Cs-138



55-Cs-138

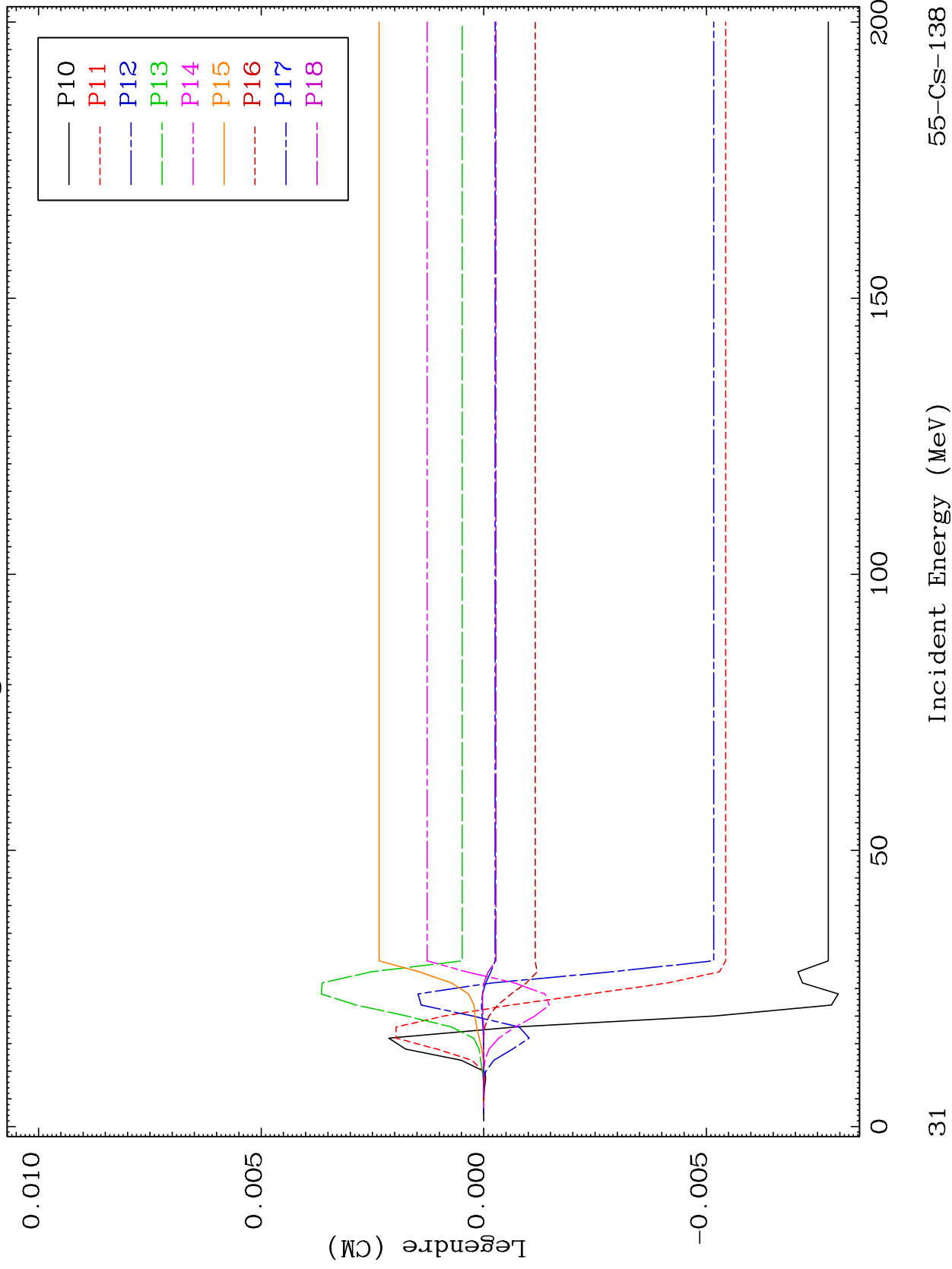
Incident Energy (MeV)

30

MAT 5540

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

55-Cs-138



55-Cs-138

Incident Energy (MeV)

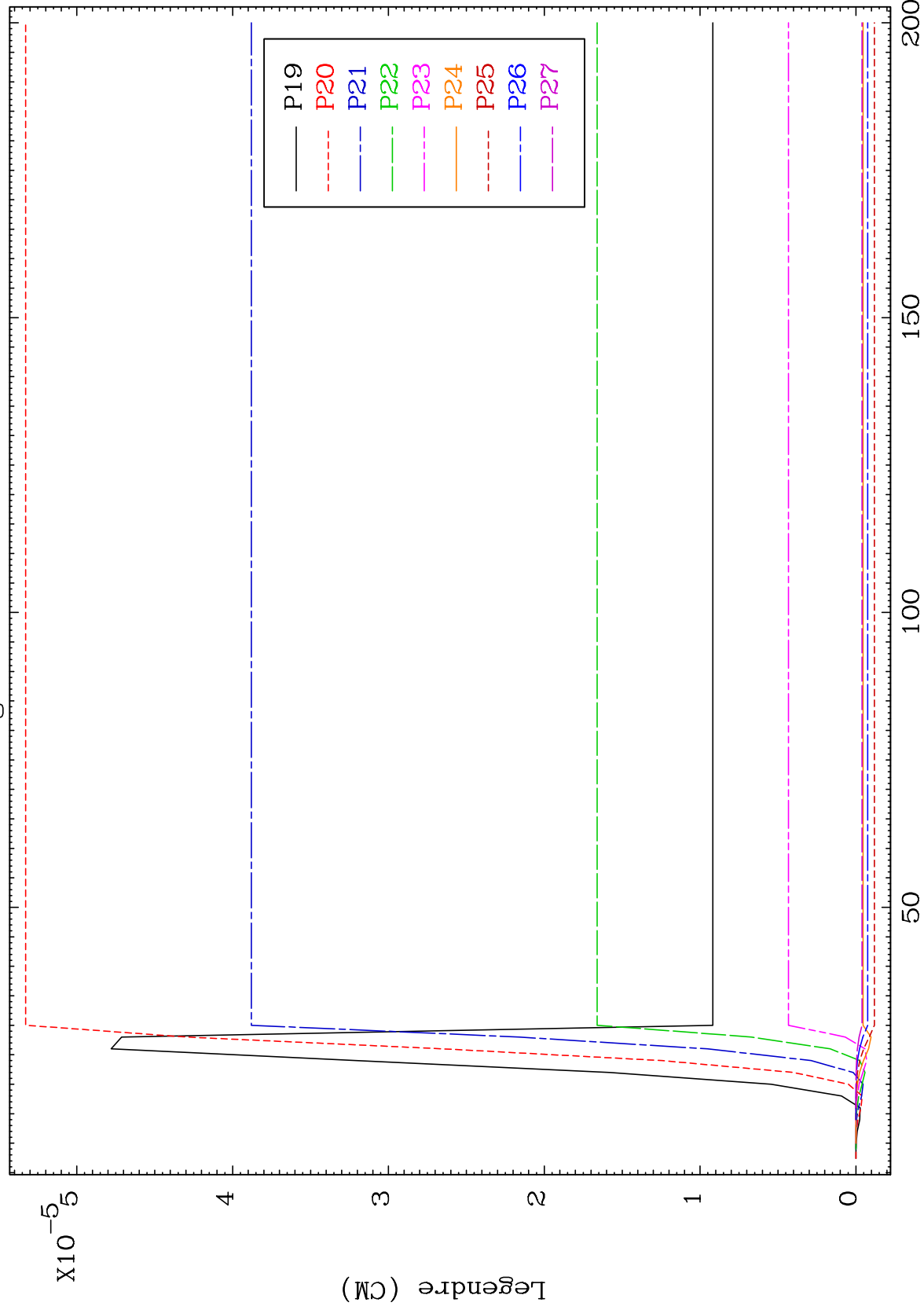
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MAT 5540

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

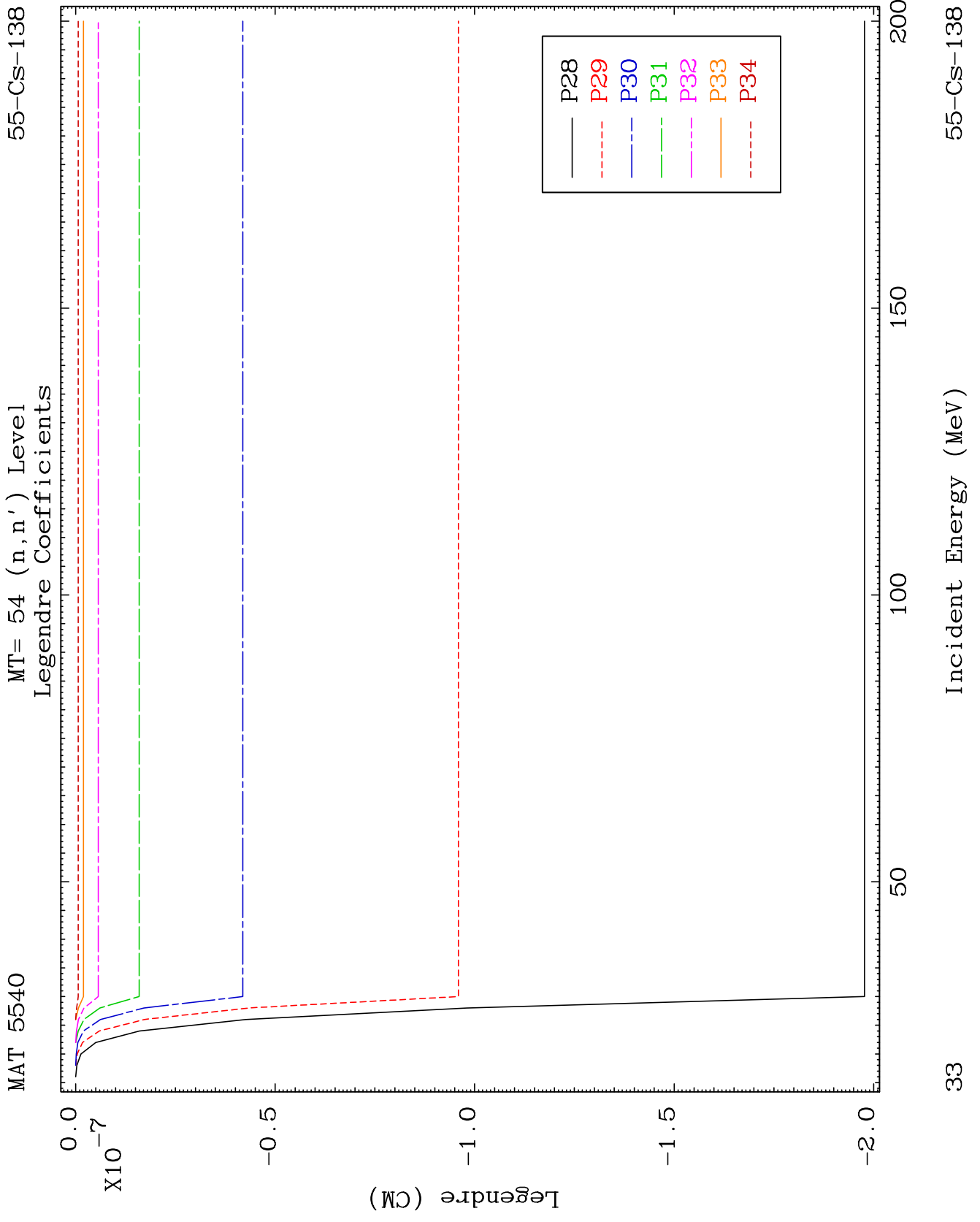
55-Cs-138



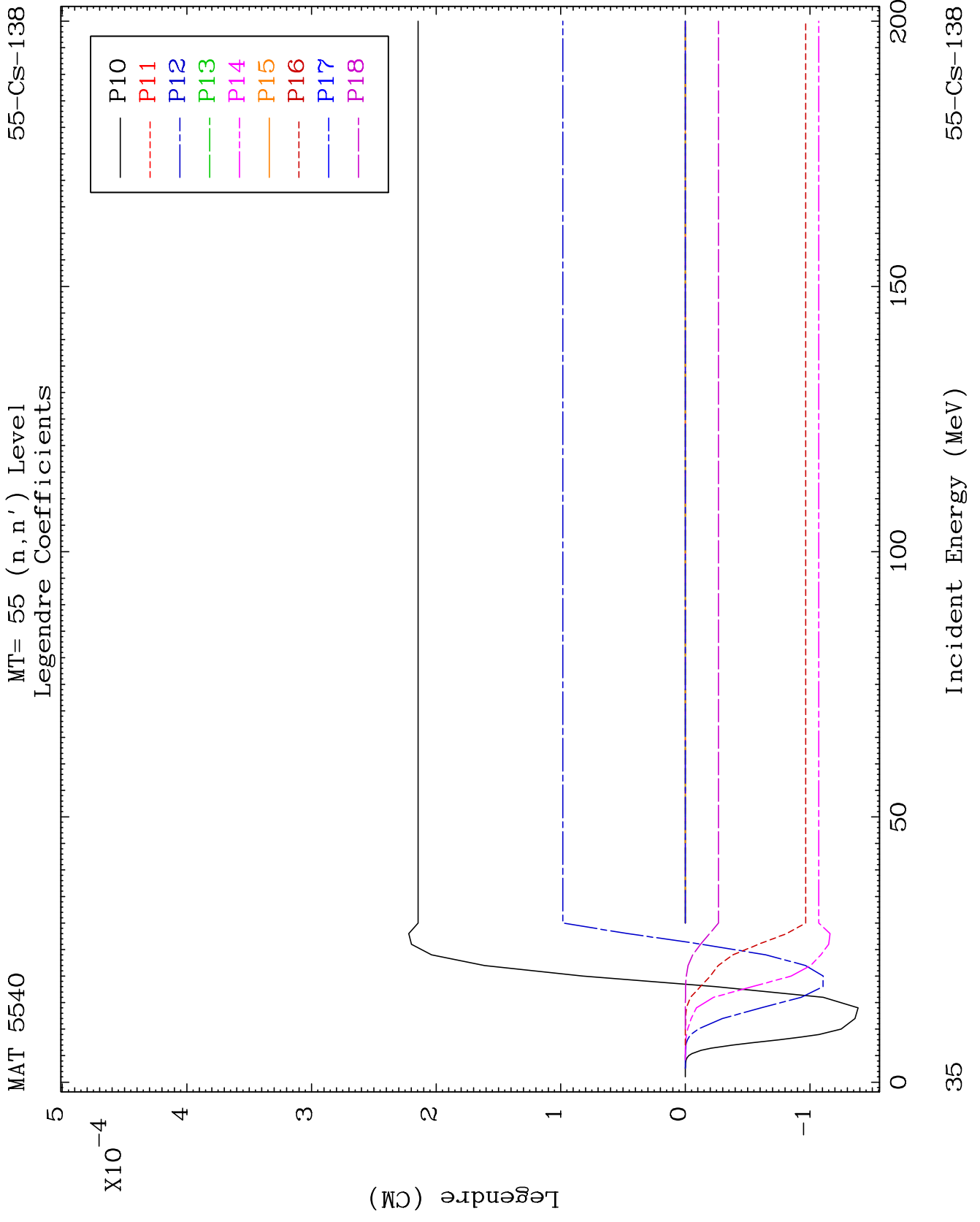
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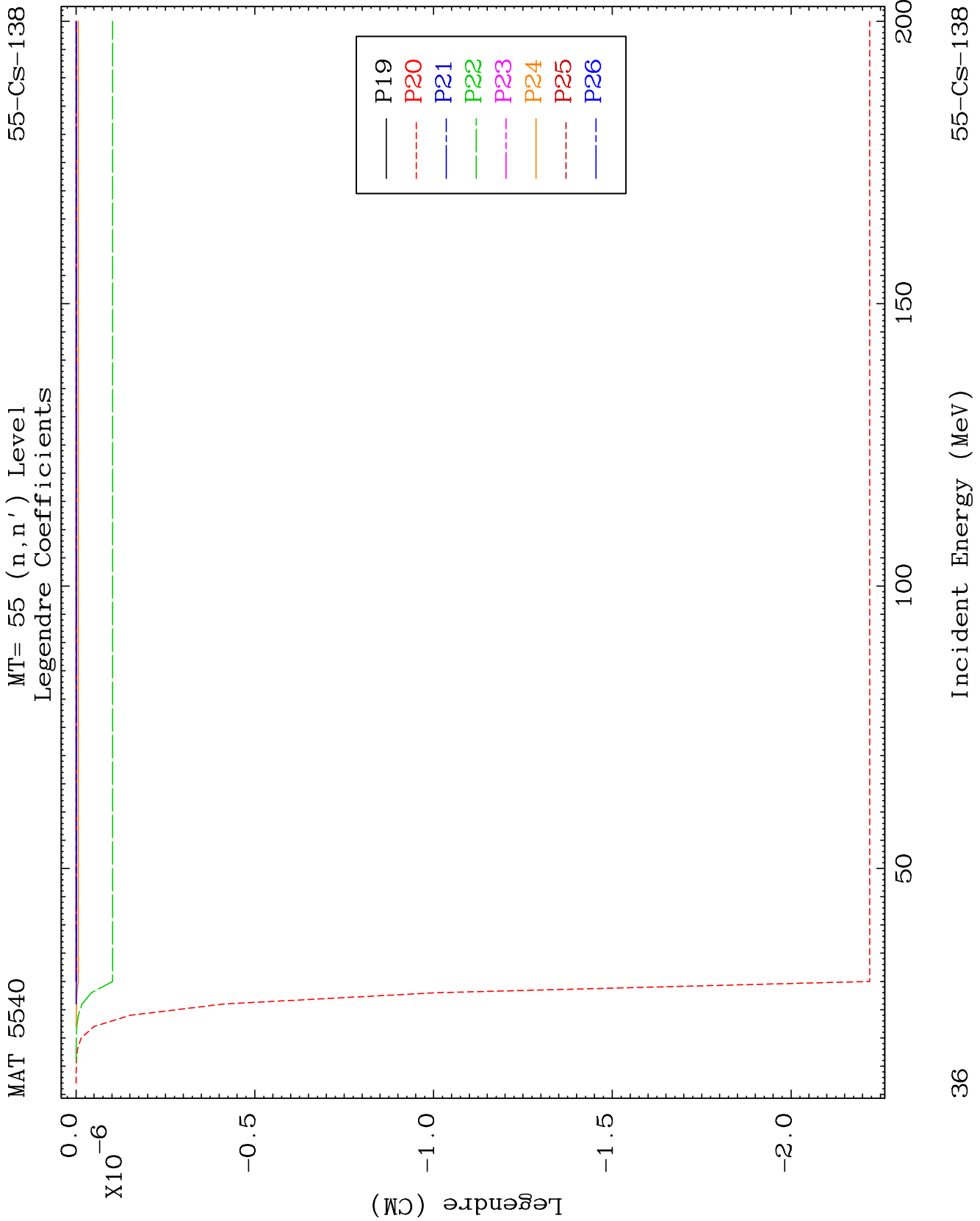
Incident Energy (MeV)

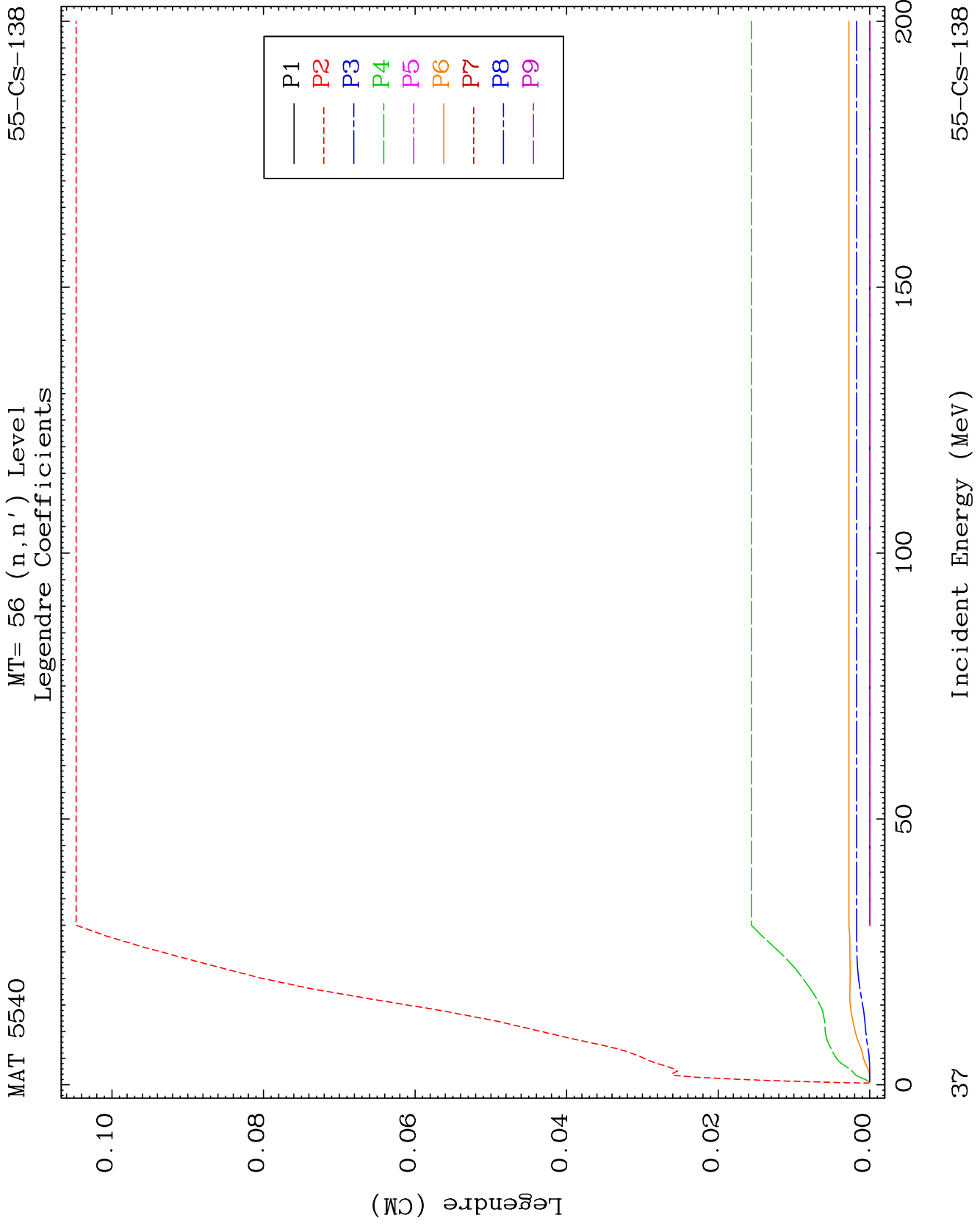
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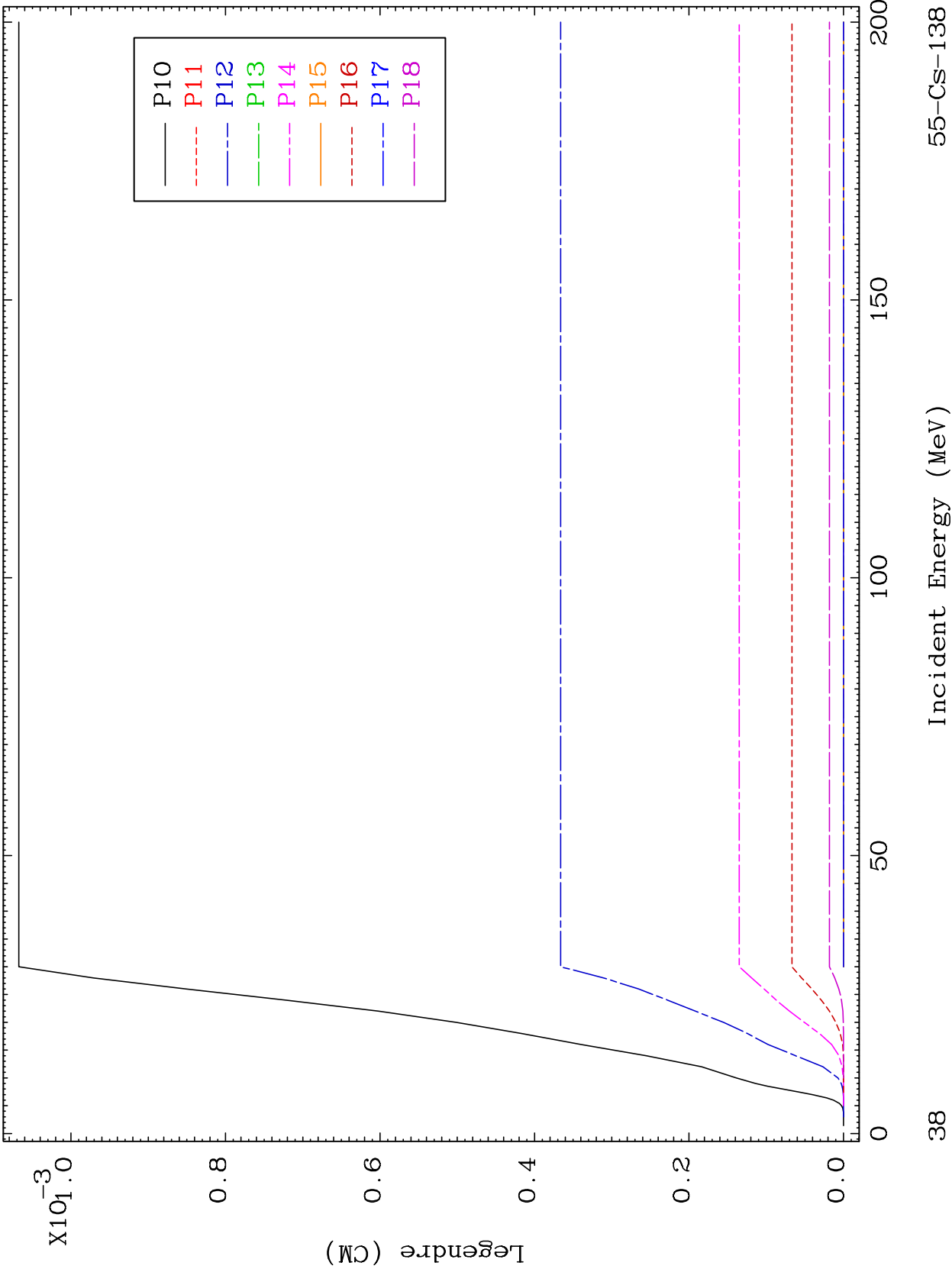




MAT 5540

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

55-Cs-138



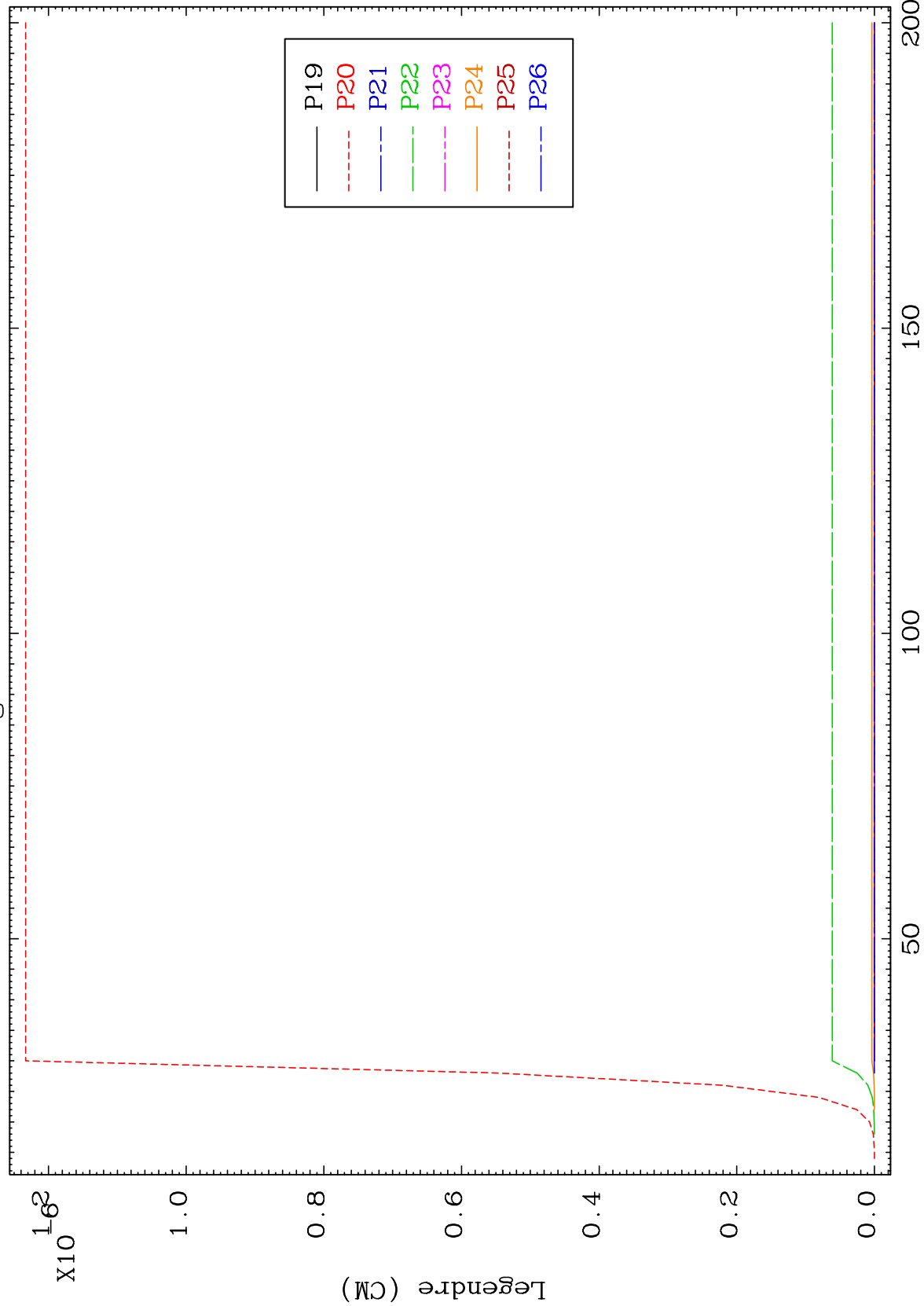
38

55-Cs-138

MAT 5540

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

55-Cs-138



55-Cs-138

Incident Energy (MeV)

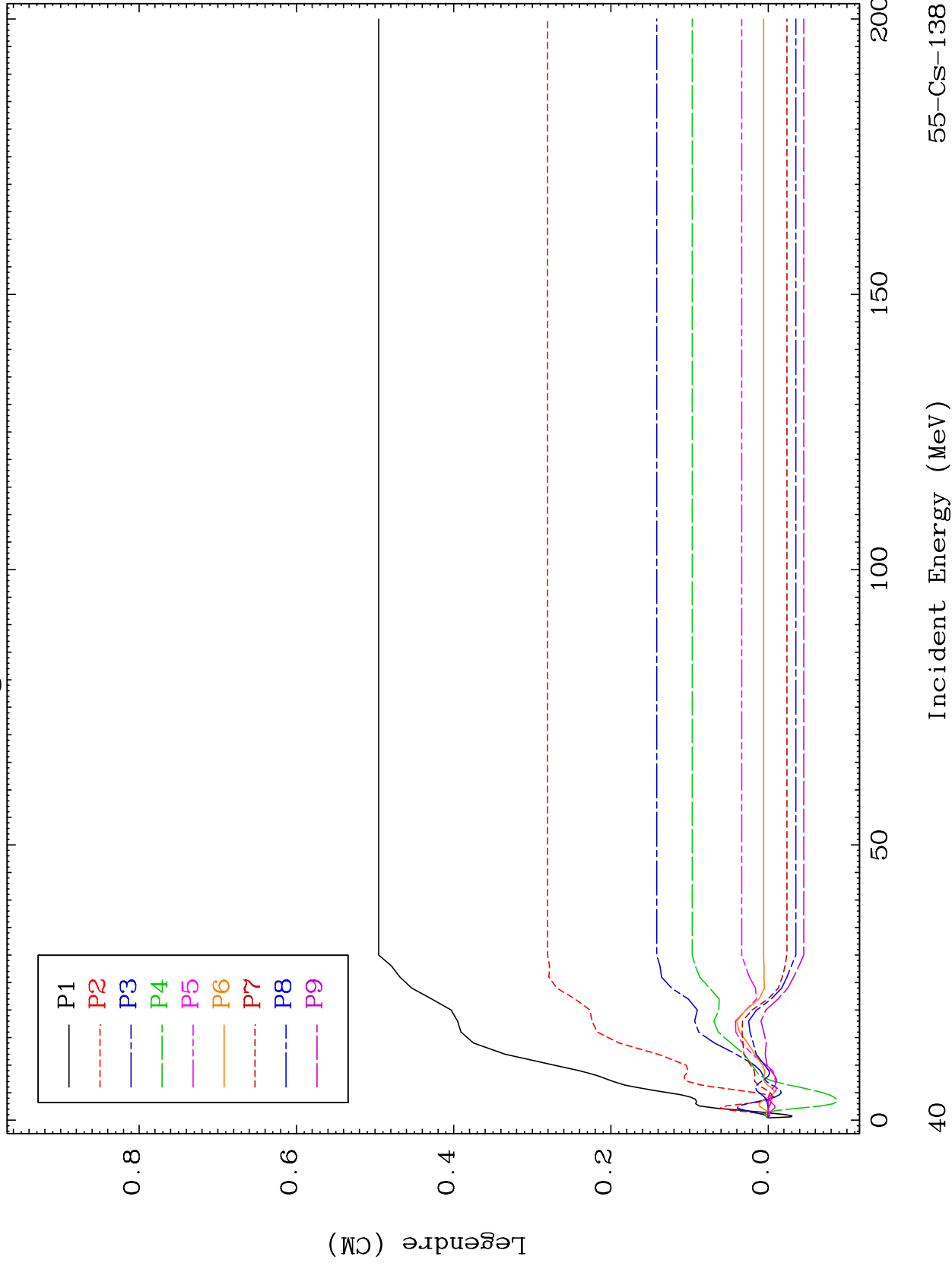
39



MAT 5540

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

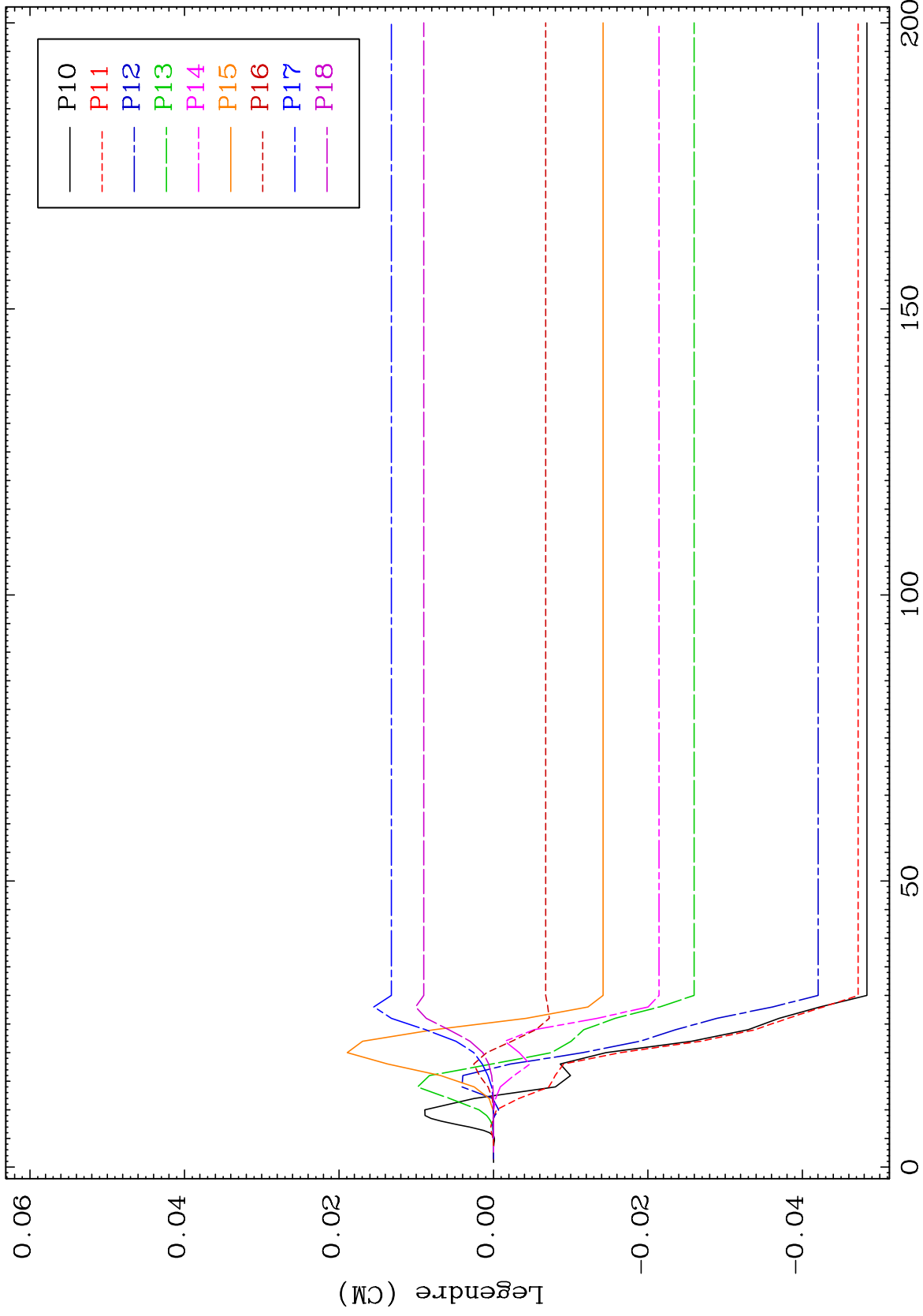
55-Cs-138



MAT 5540

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

55-Cs-138



41

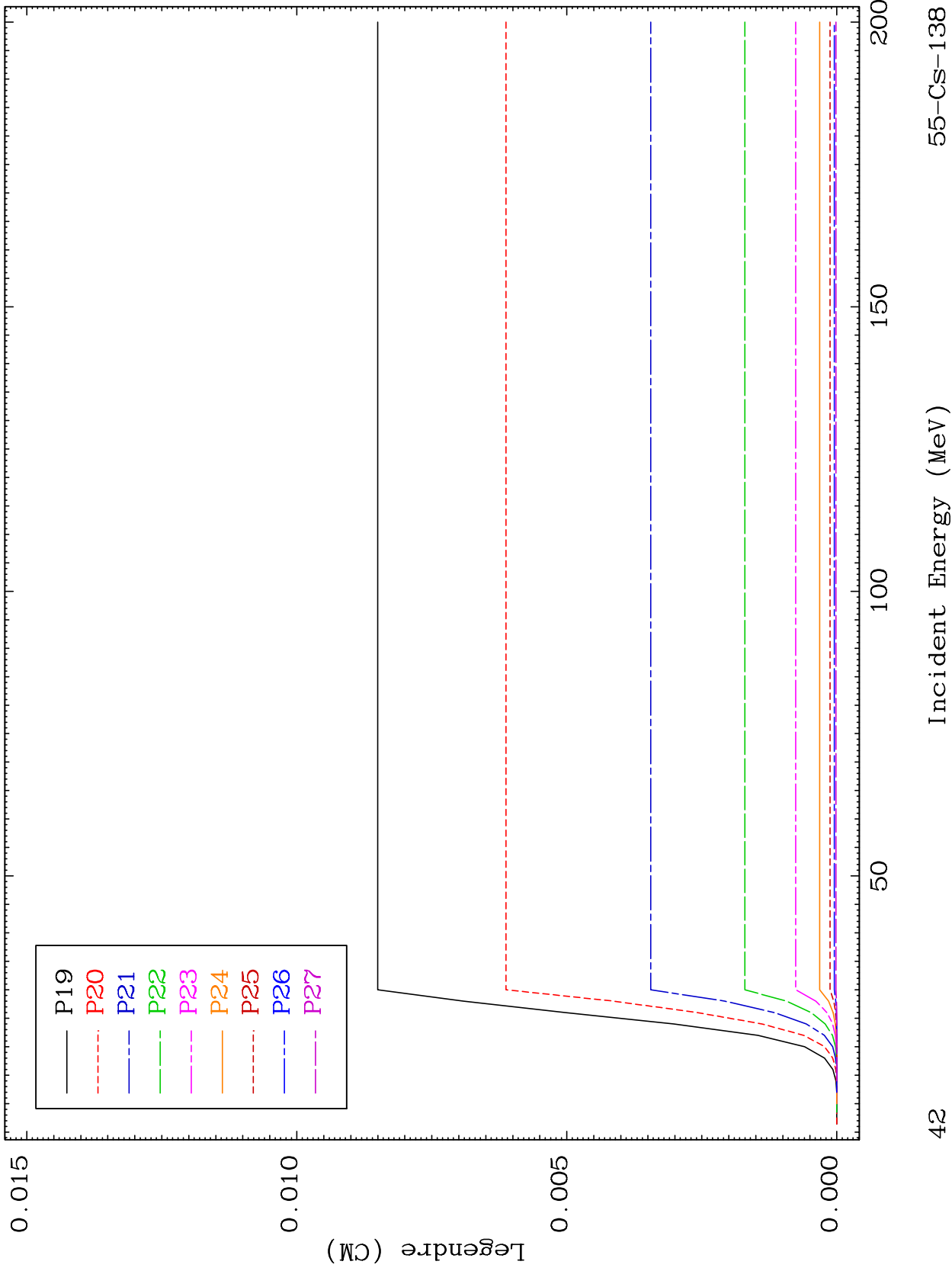
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



42

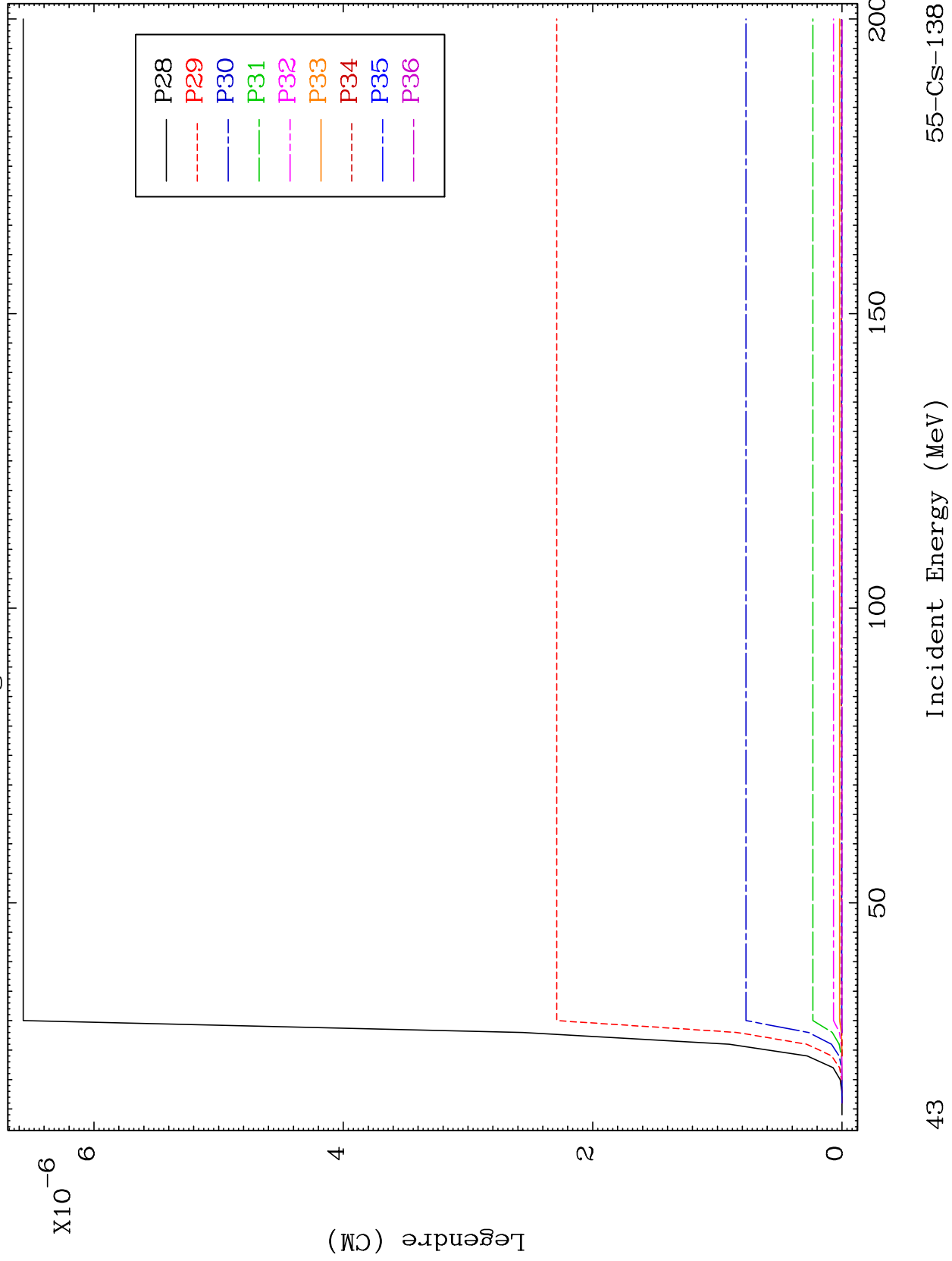
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



43

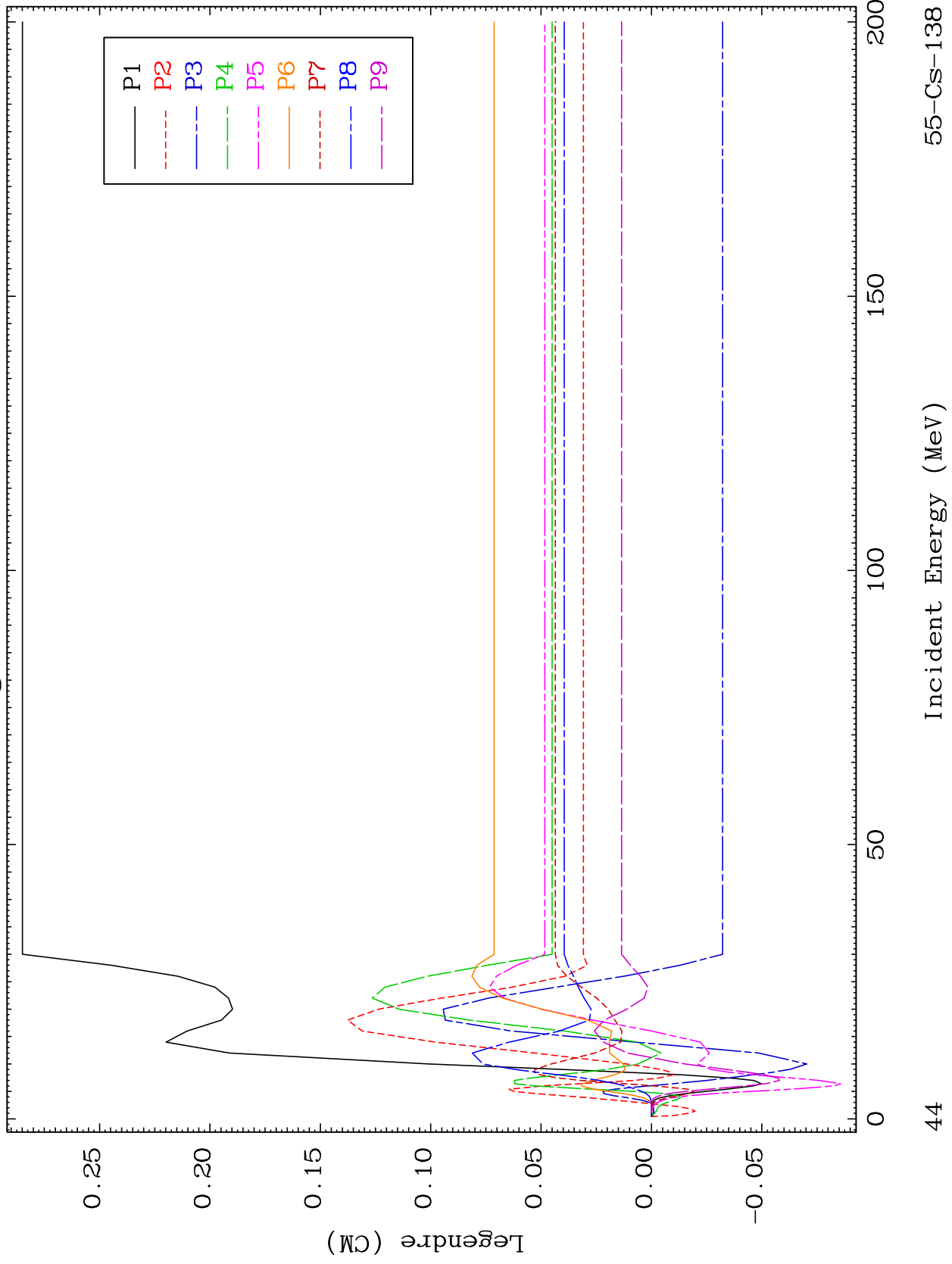
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138



44

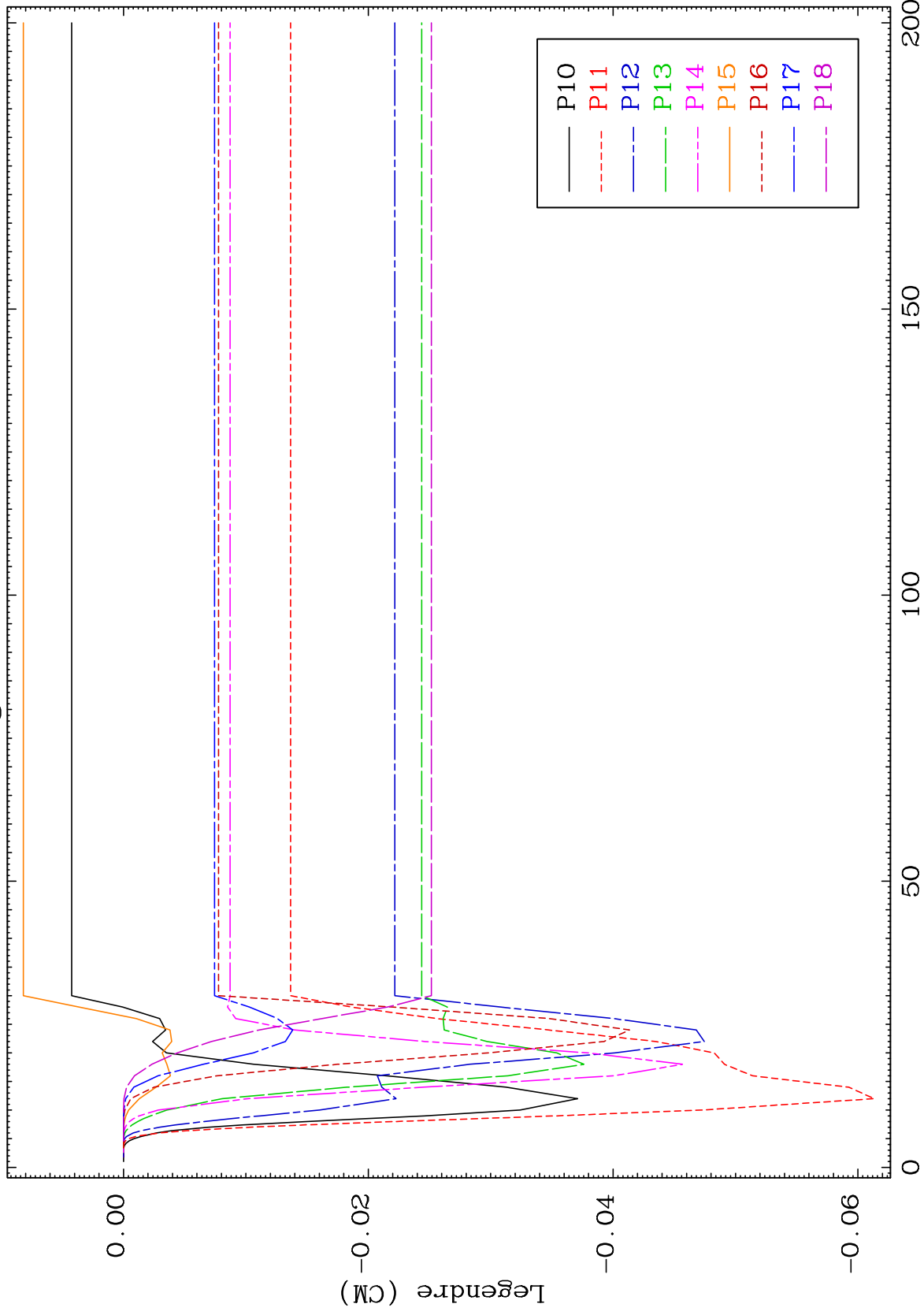
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

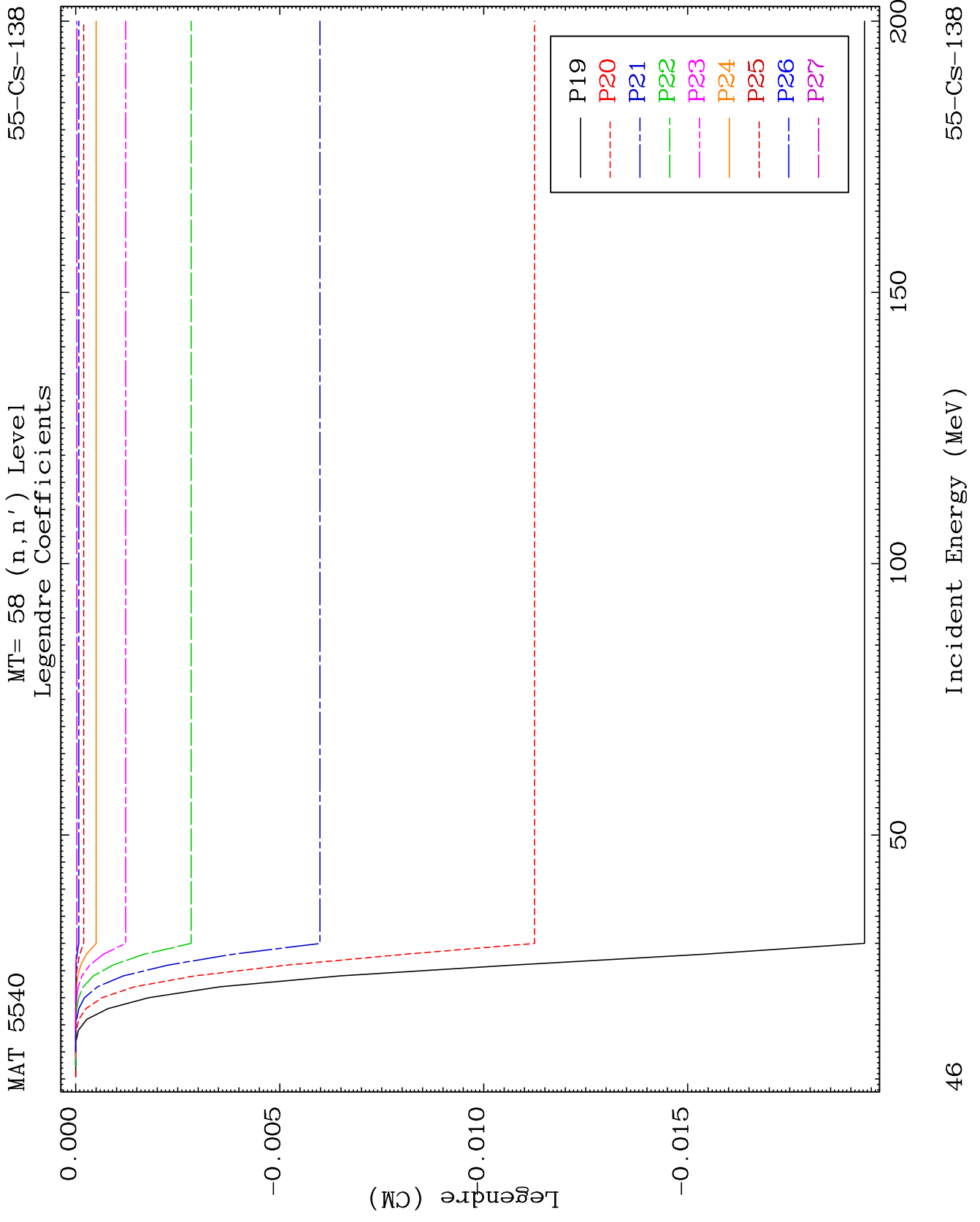
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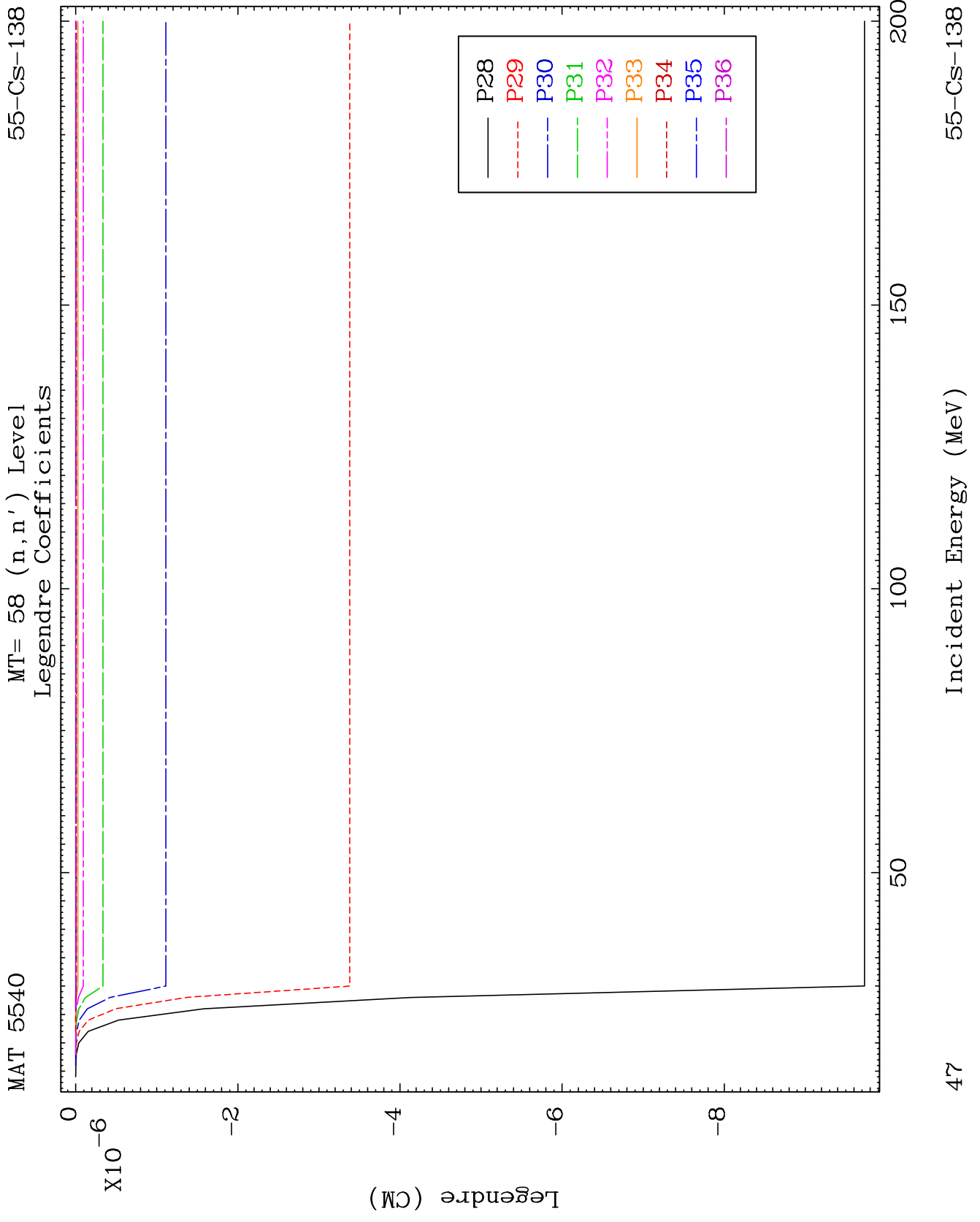


55-Cs-138

Incident Energy (MeV)

45





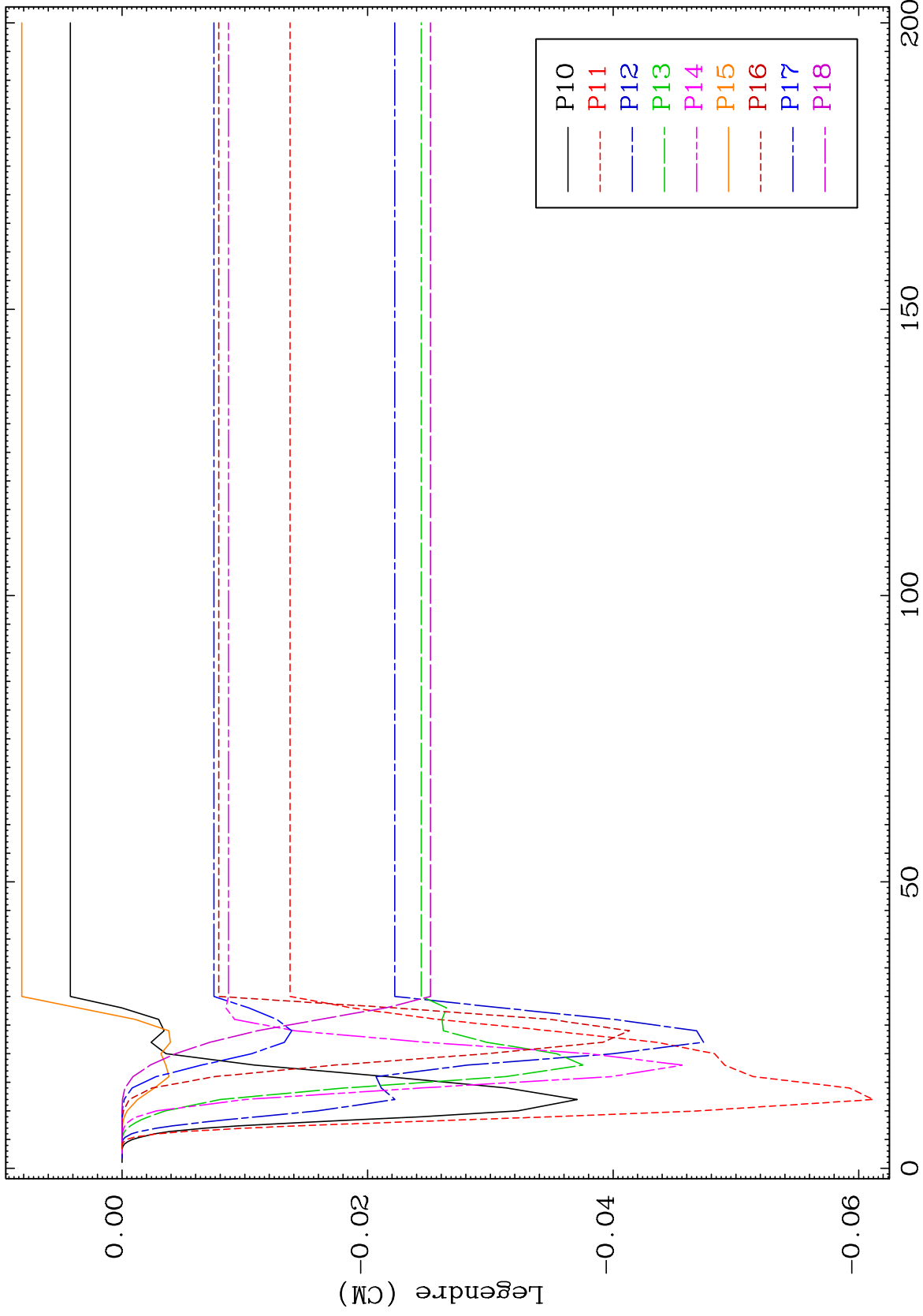




MAT 5540

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

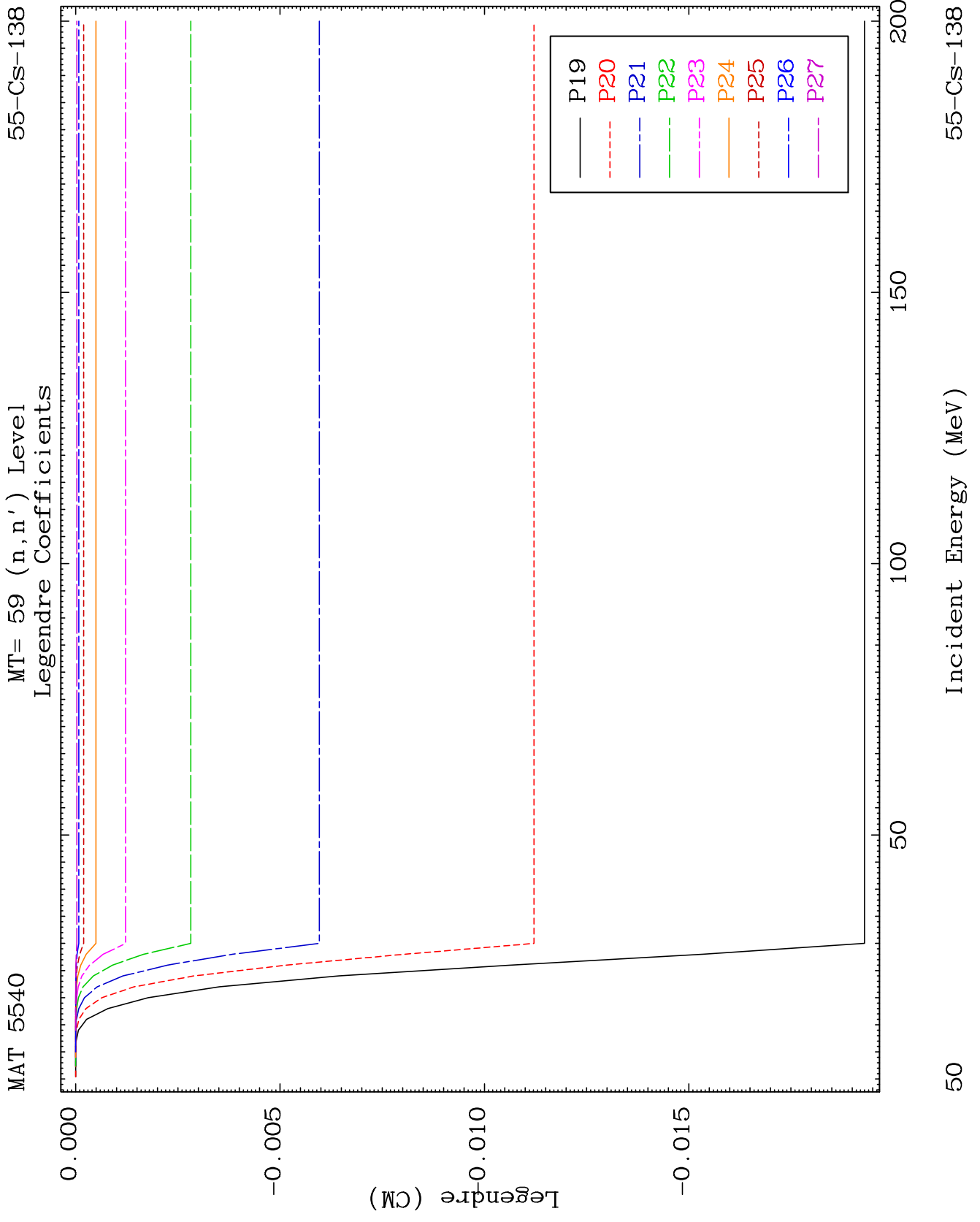
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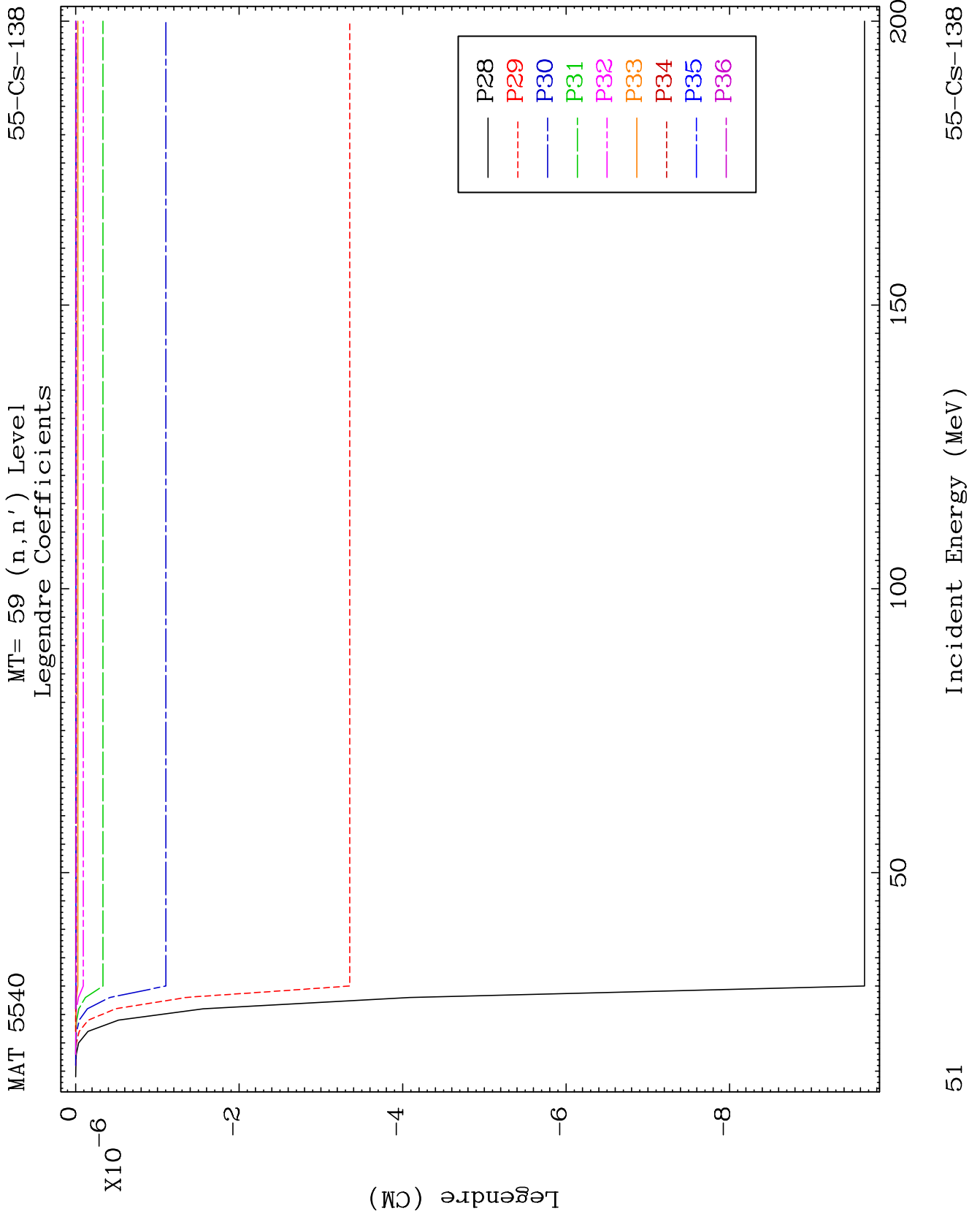


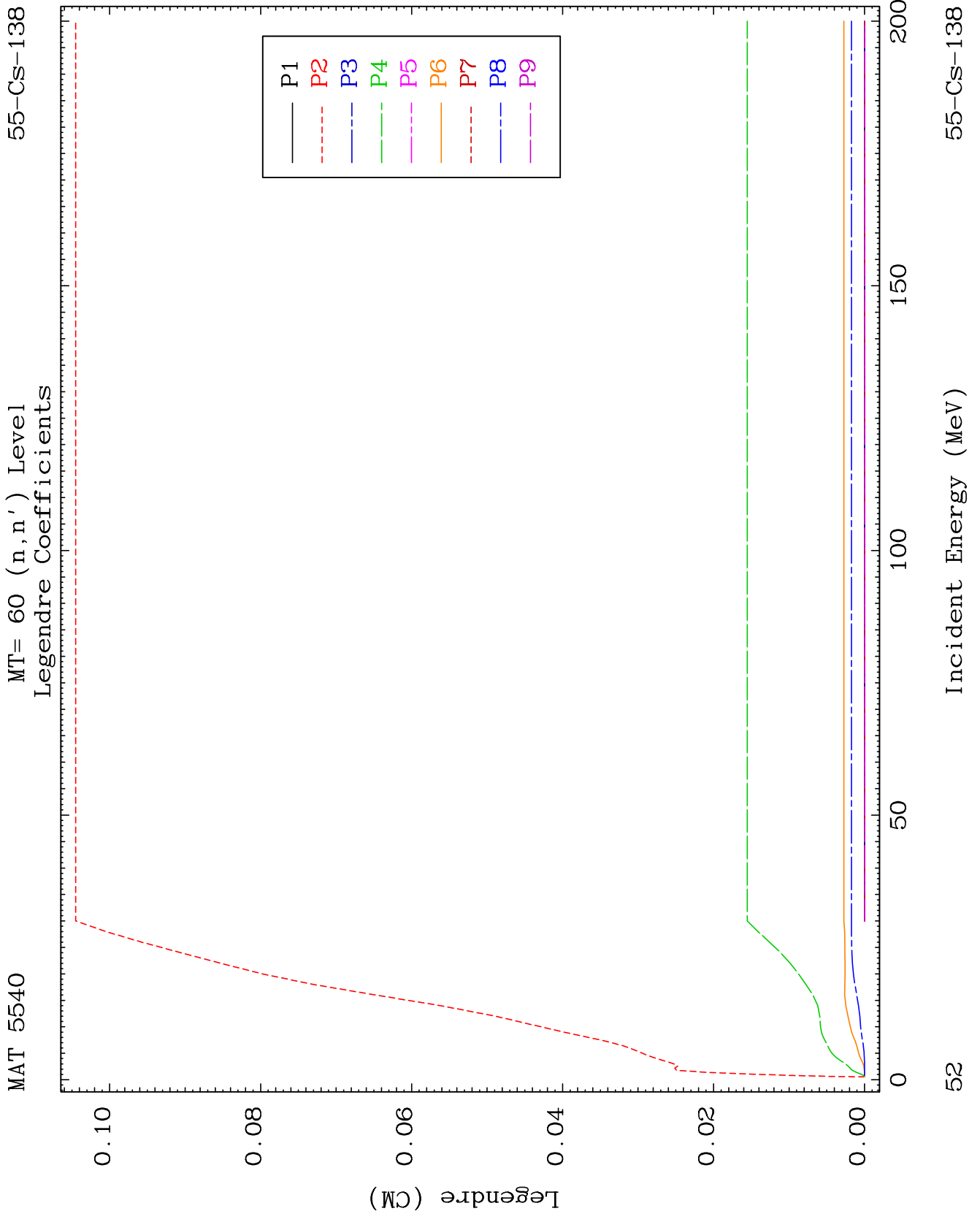
49

Incident Energy (MeV)

55-Cs-138



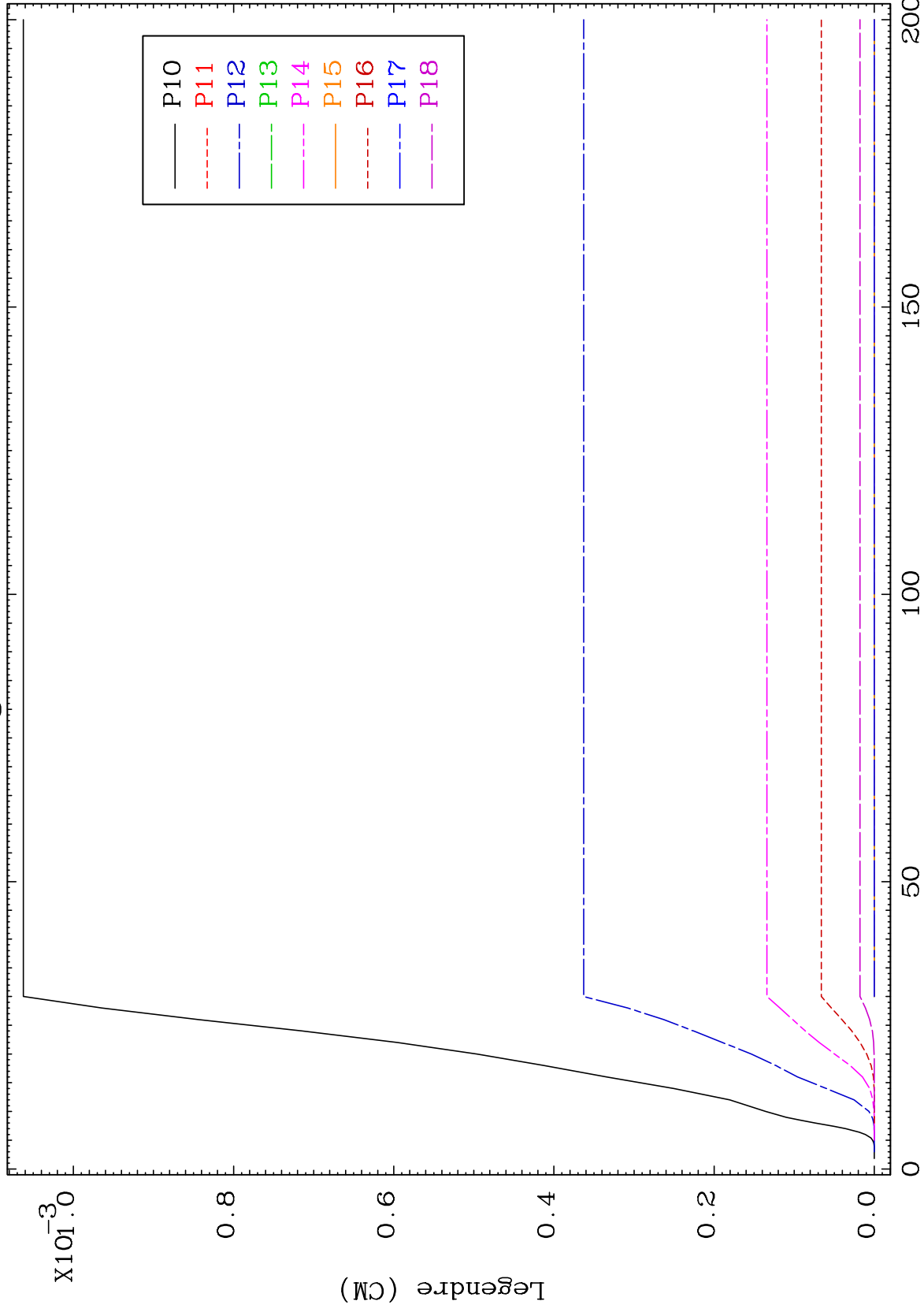




MAT 5540

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

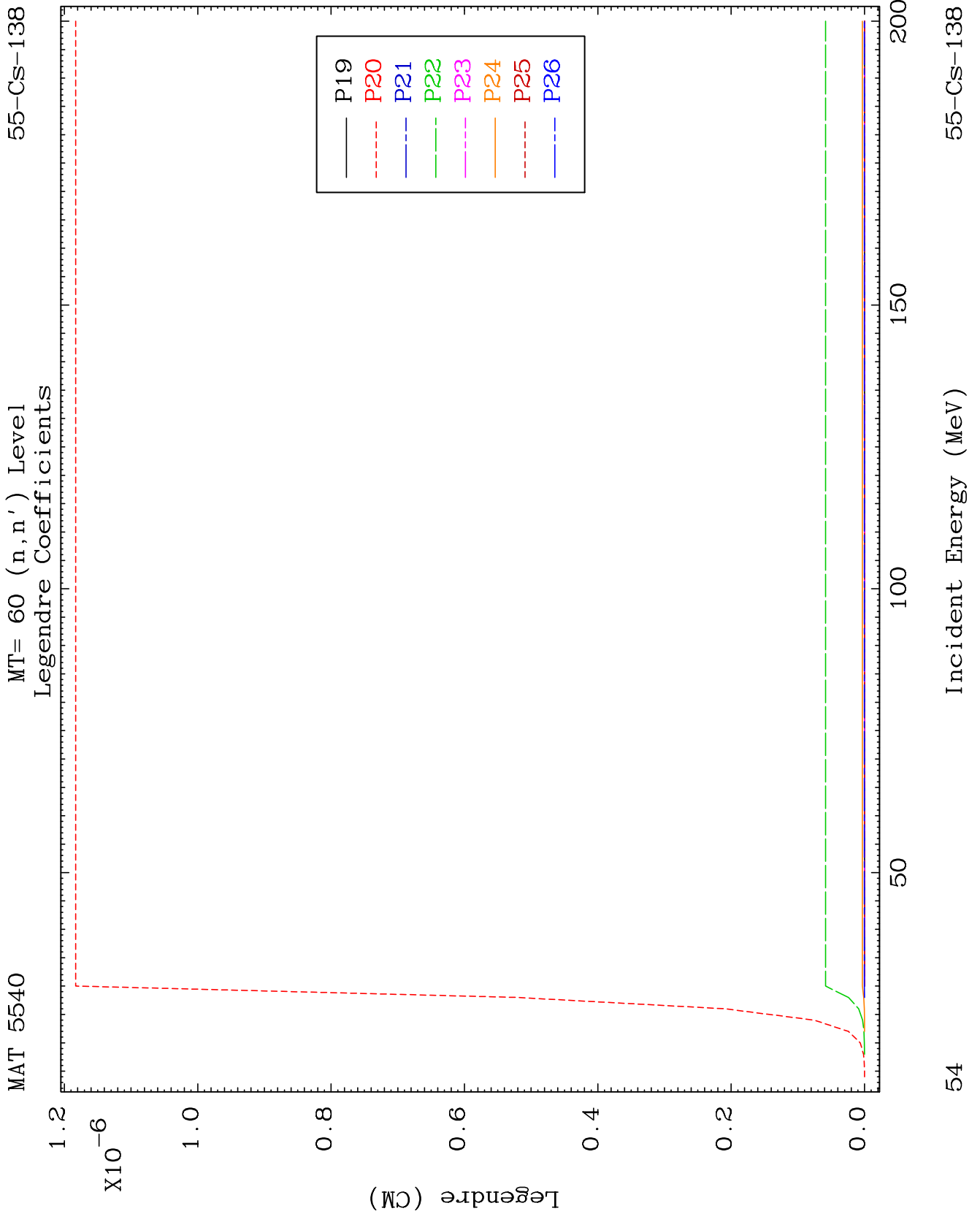
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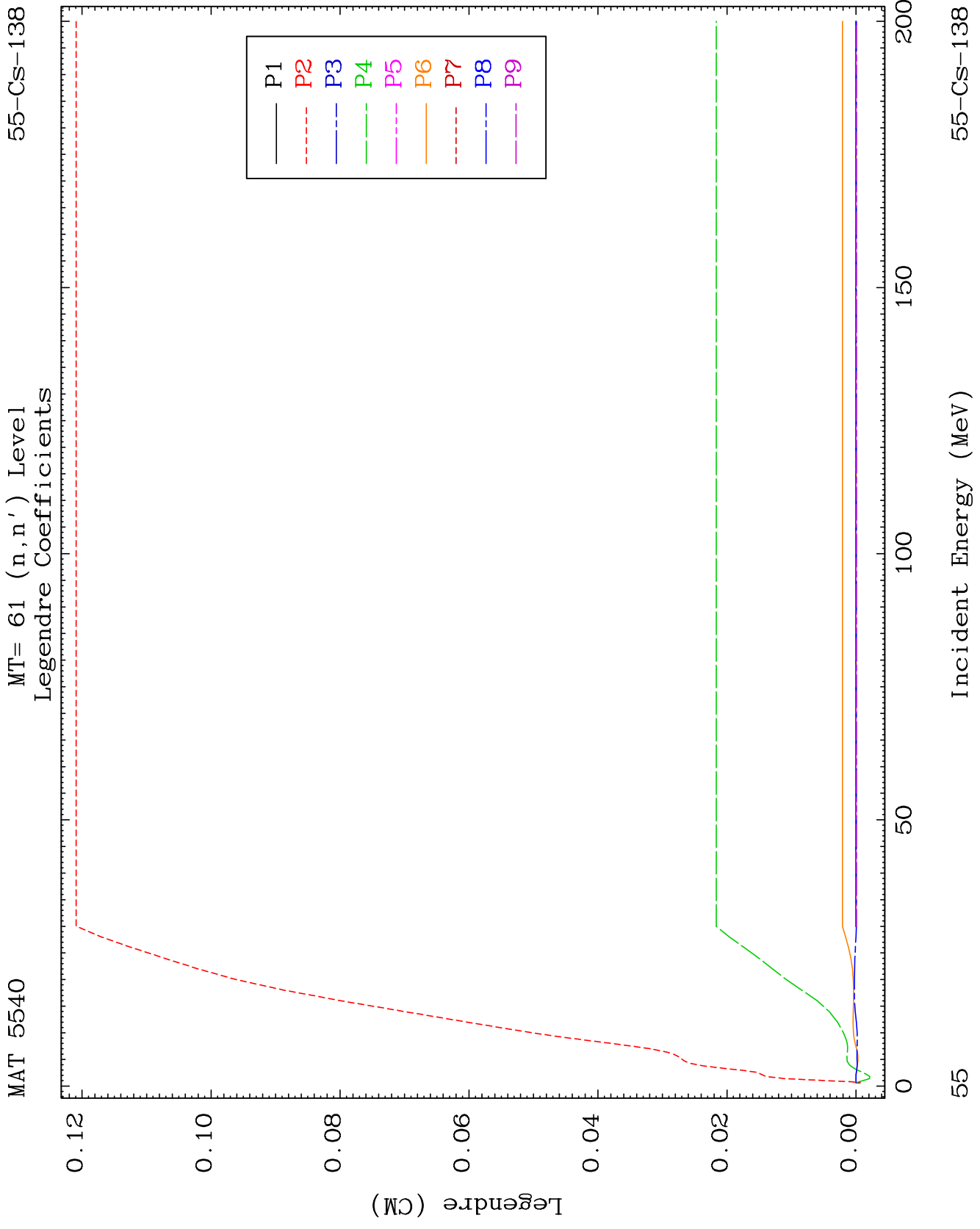


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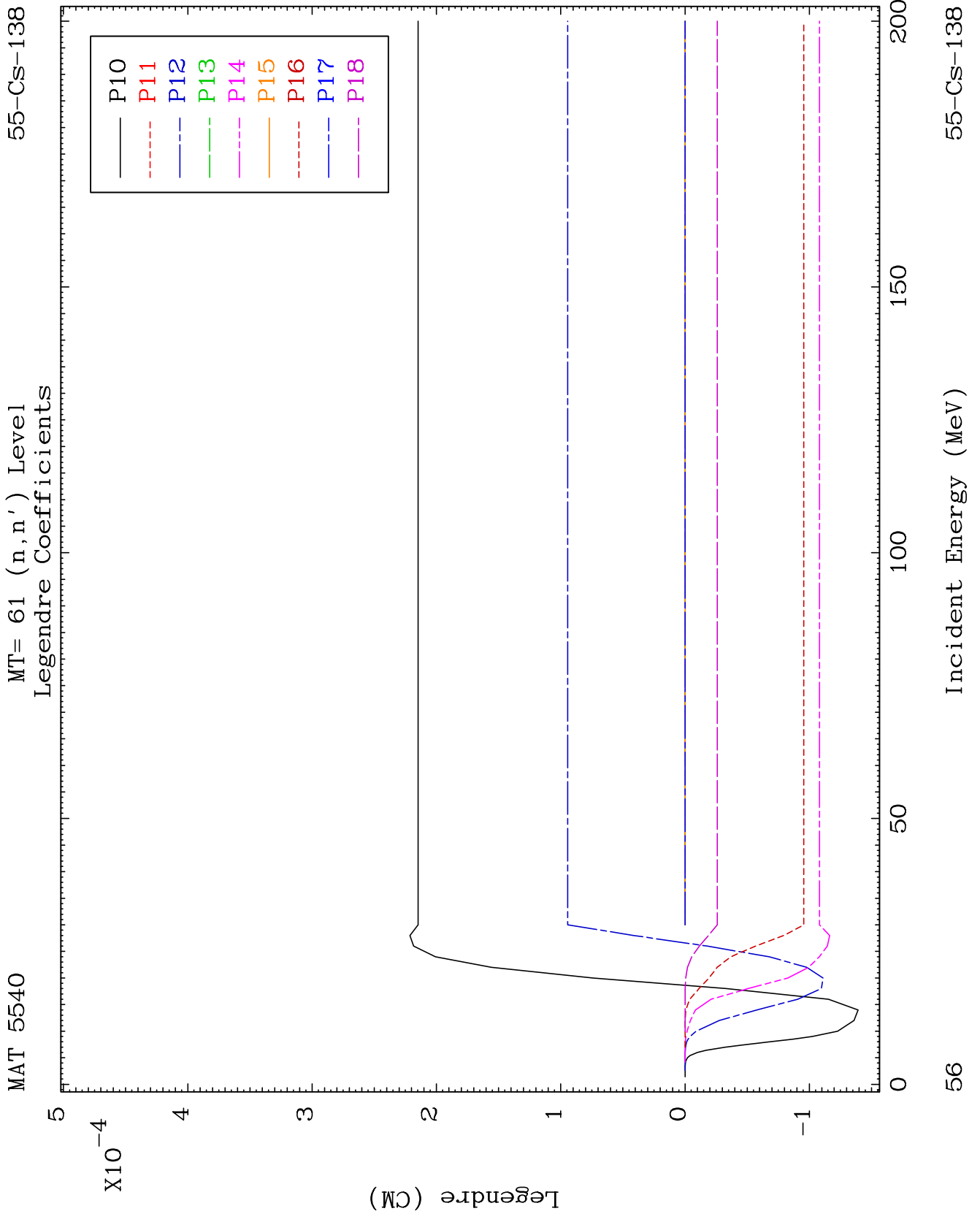
Incident Energy (MeV)

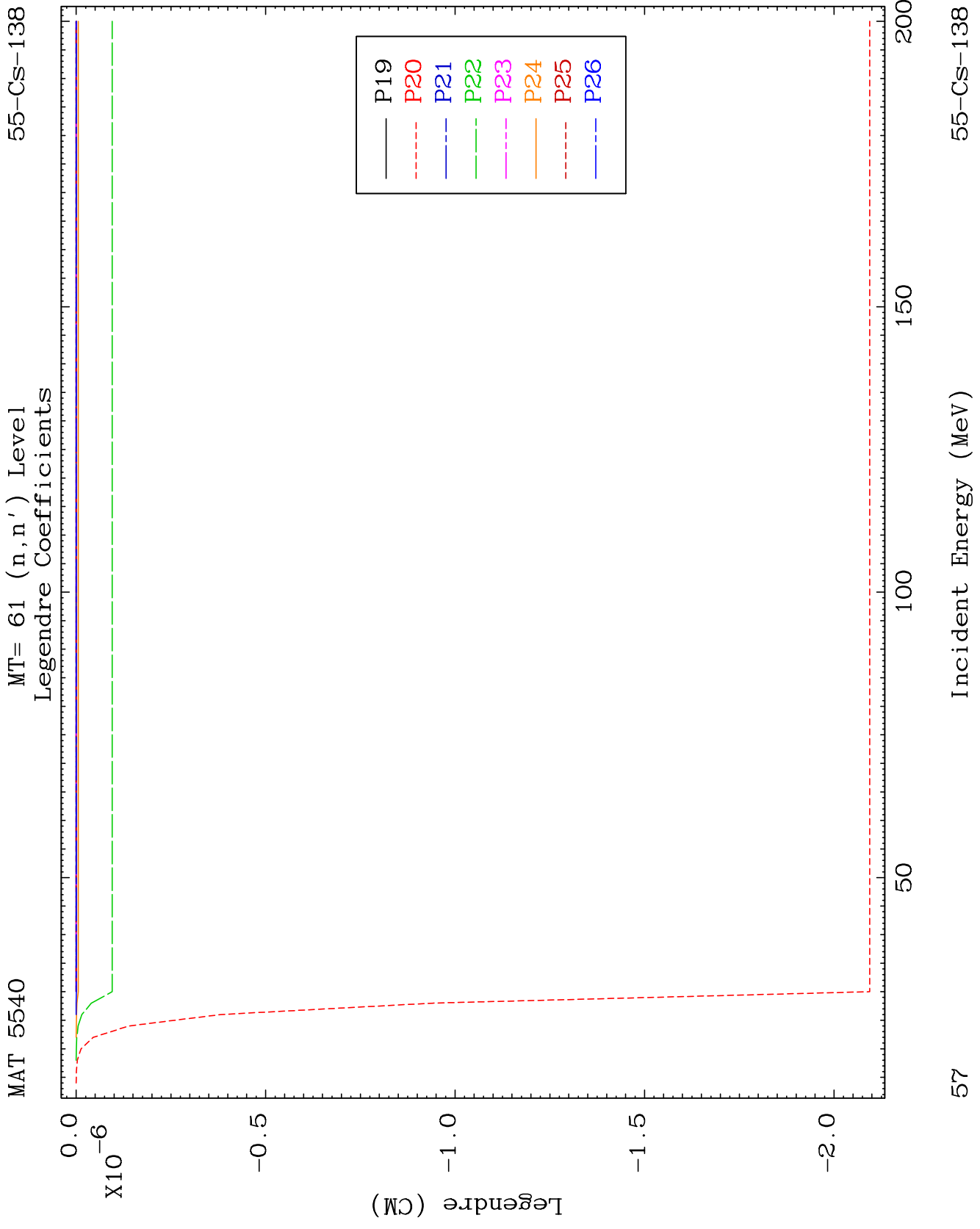
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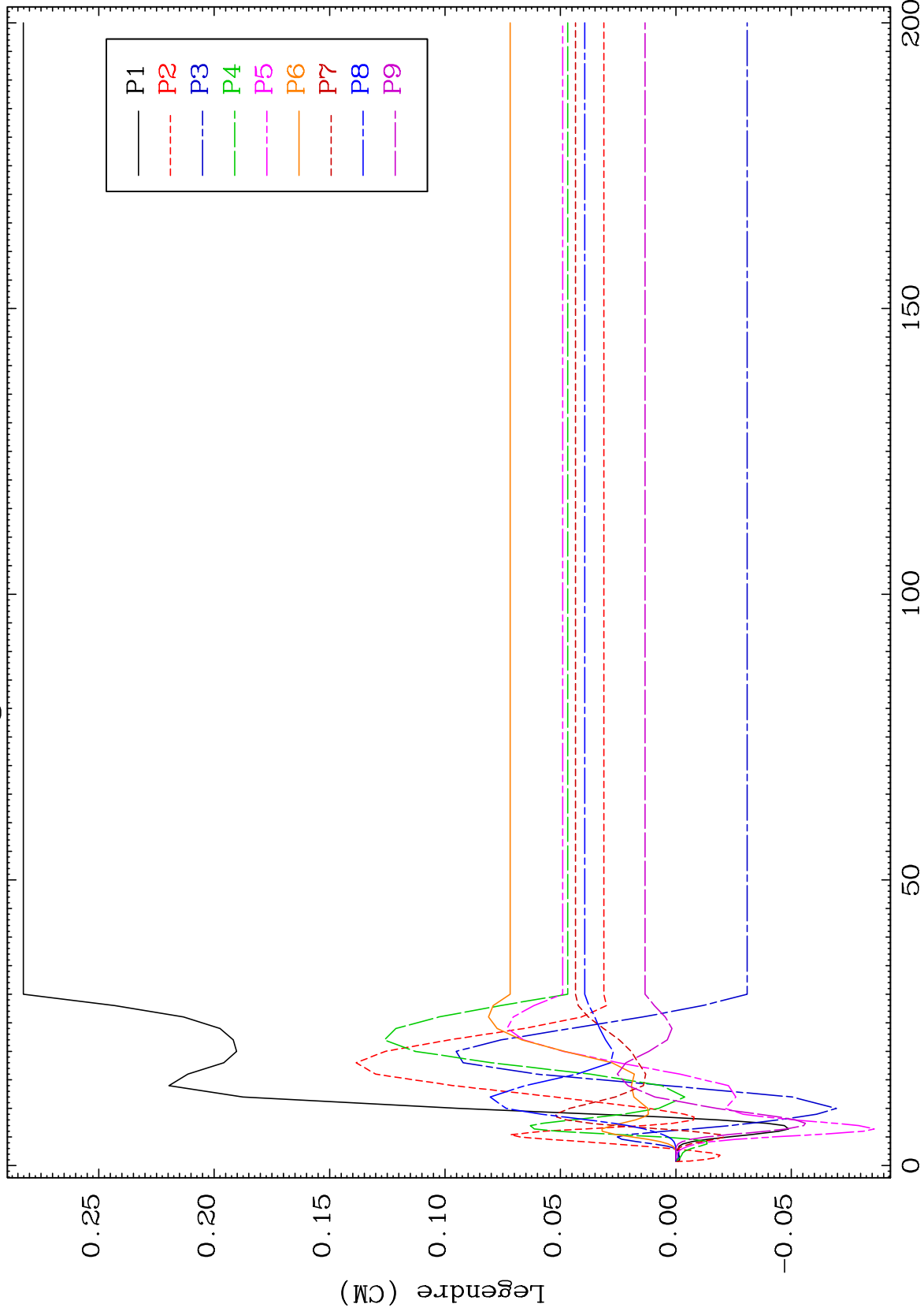




MAT 5540

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

55-Cs-138



58

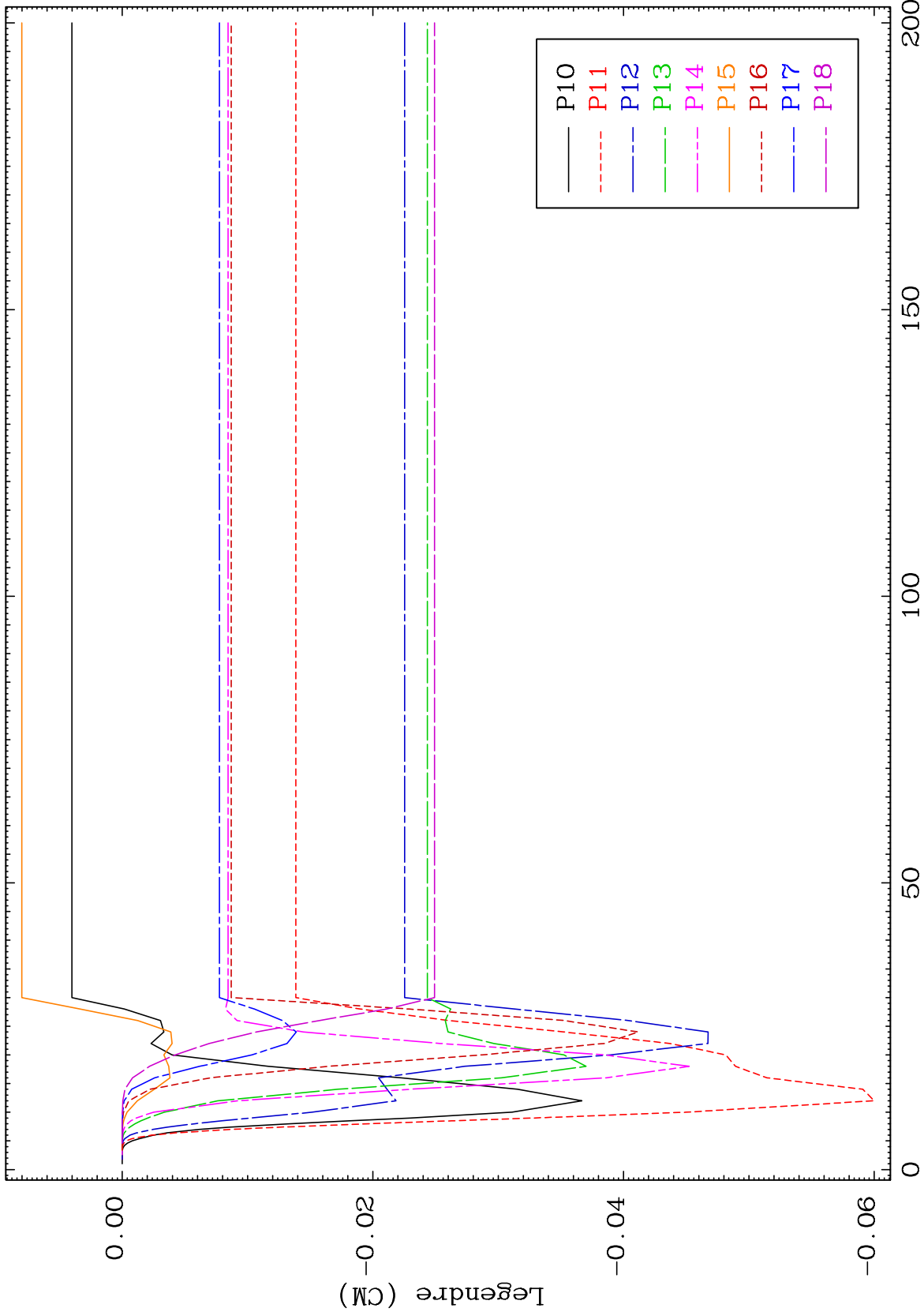
Incident Energy (MeV)

55-Cs-138

MAT 5540

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

55-Cs-138

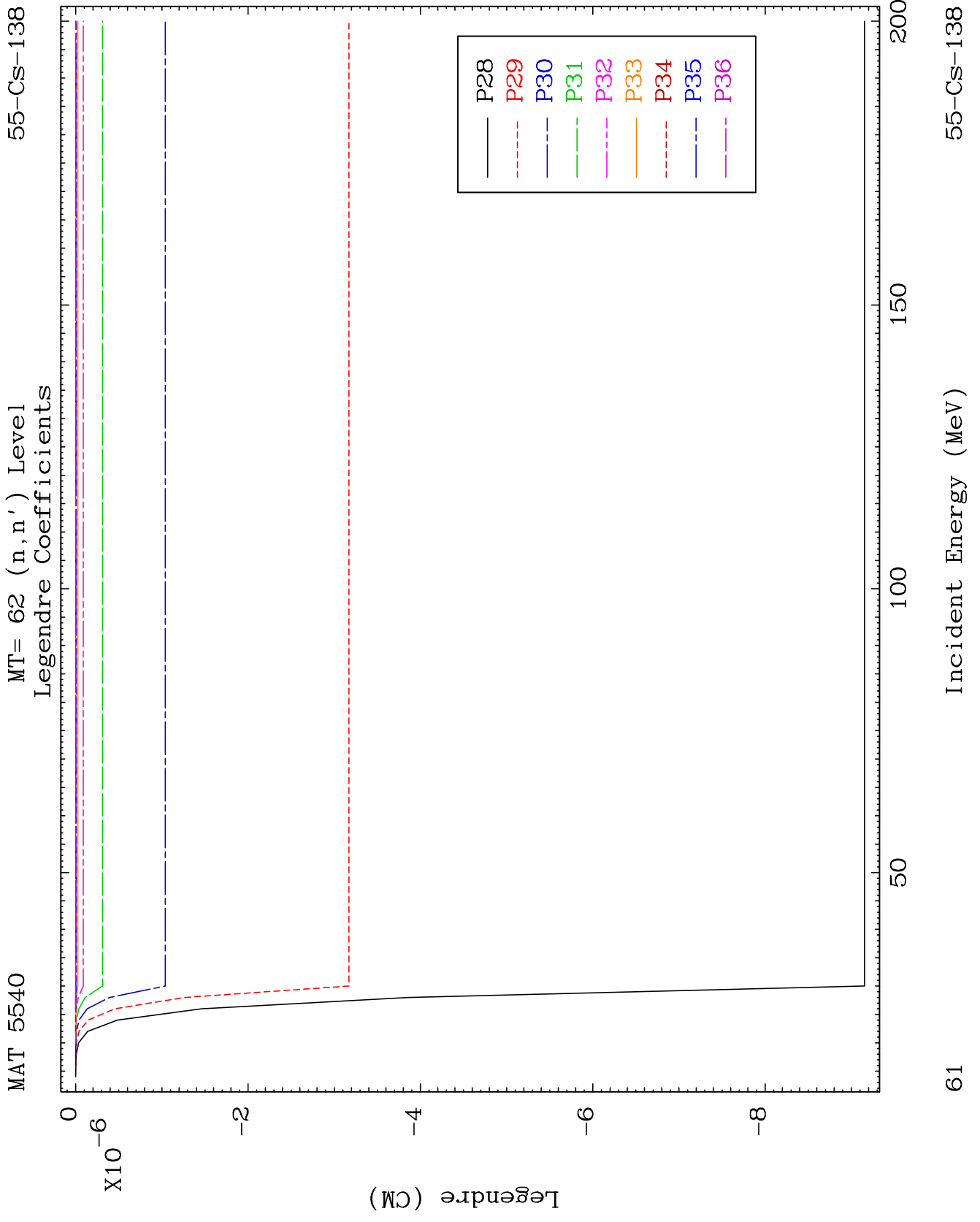


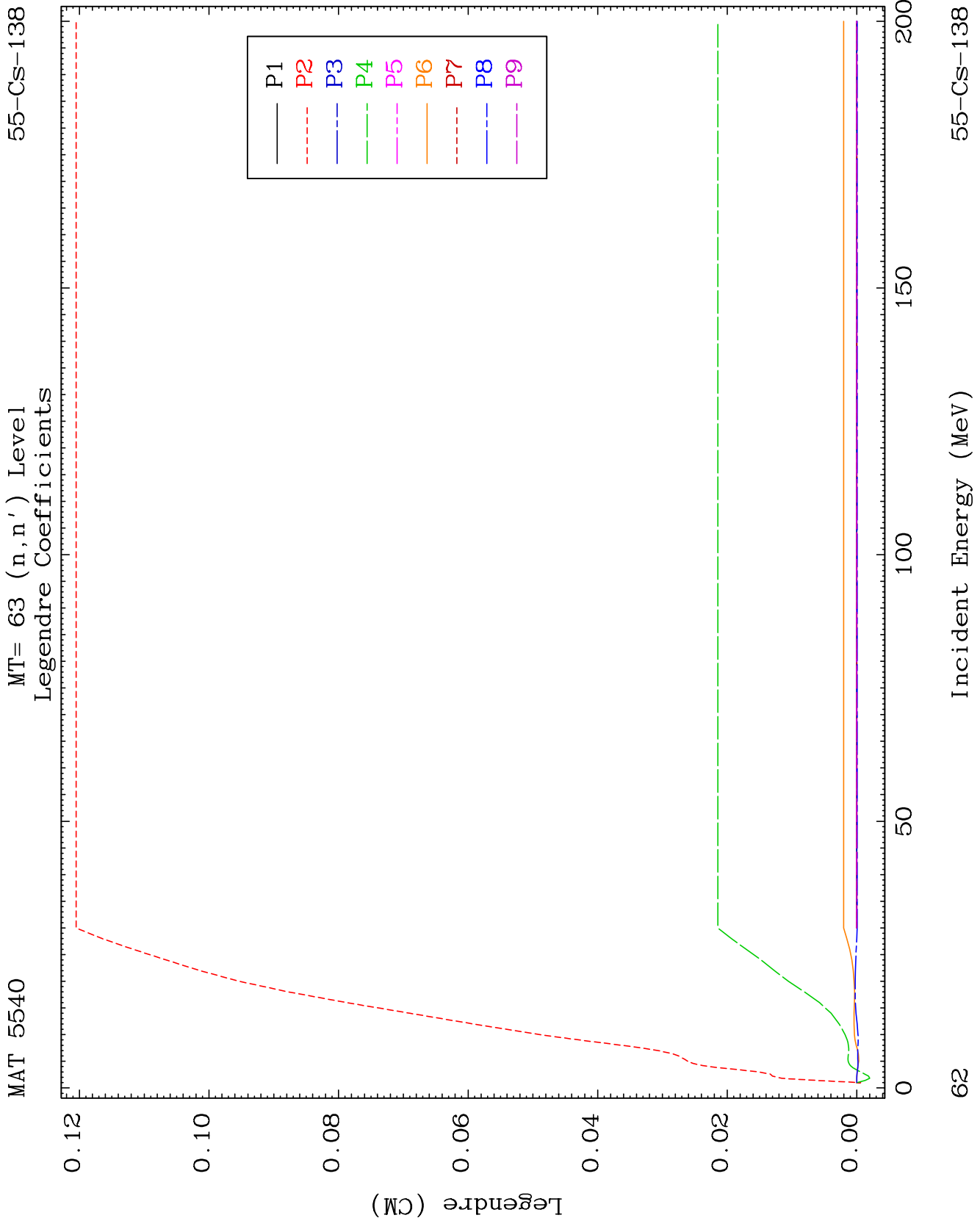
59

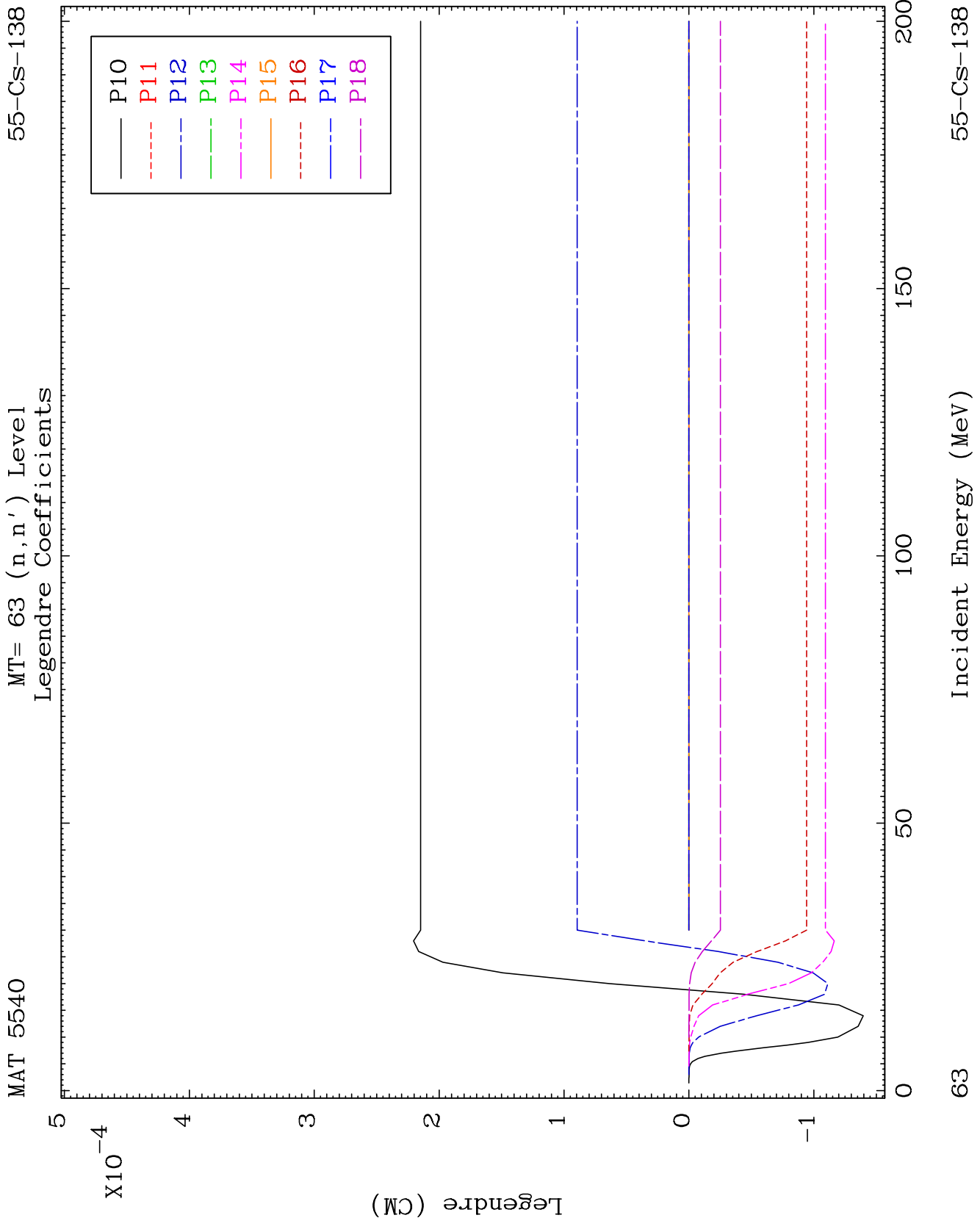
Incident Energy (MeV)

55-Cs-138

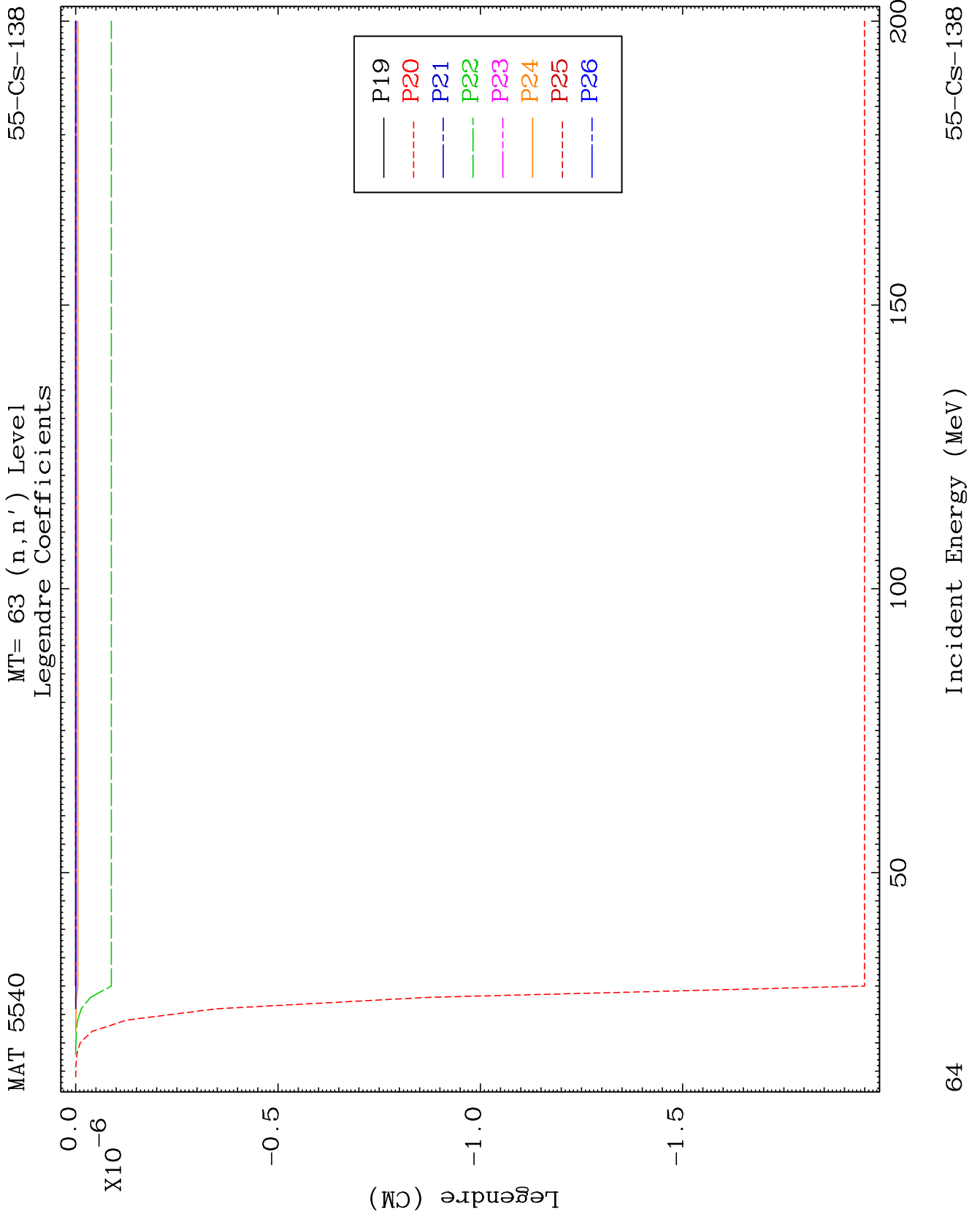










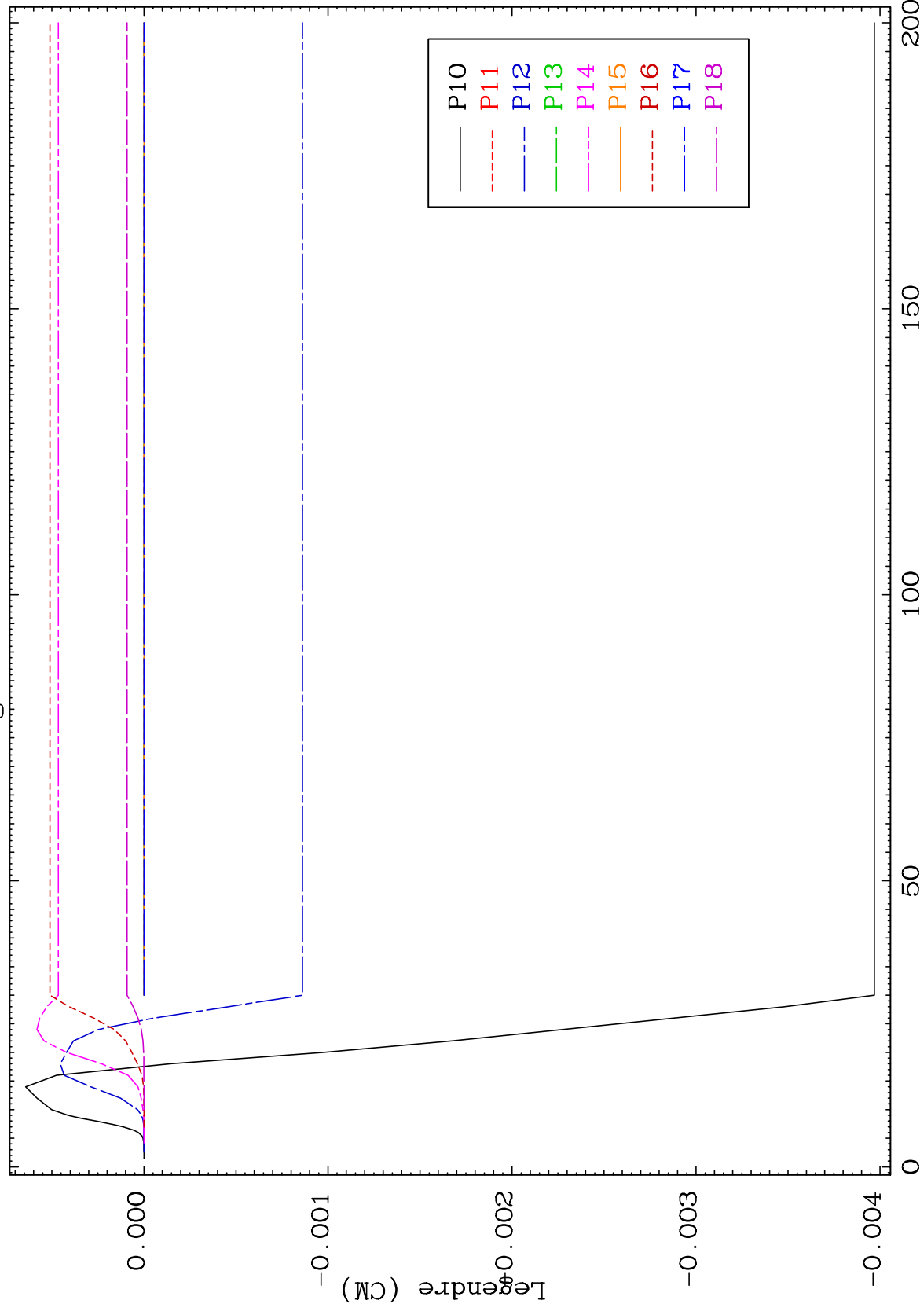




MAT 5540

MT= 64 (n,n') Level  
Legendre Coefficients

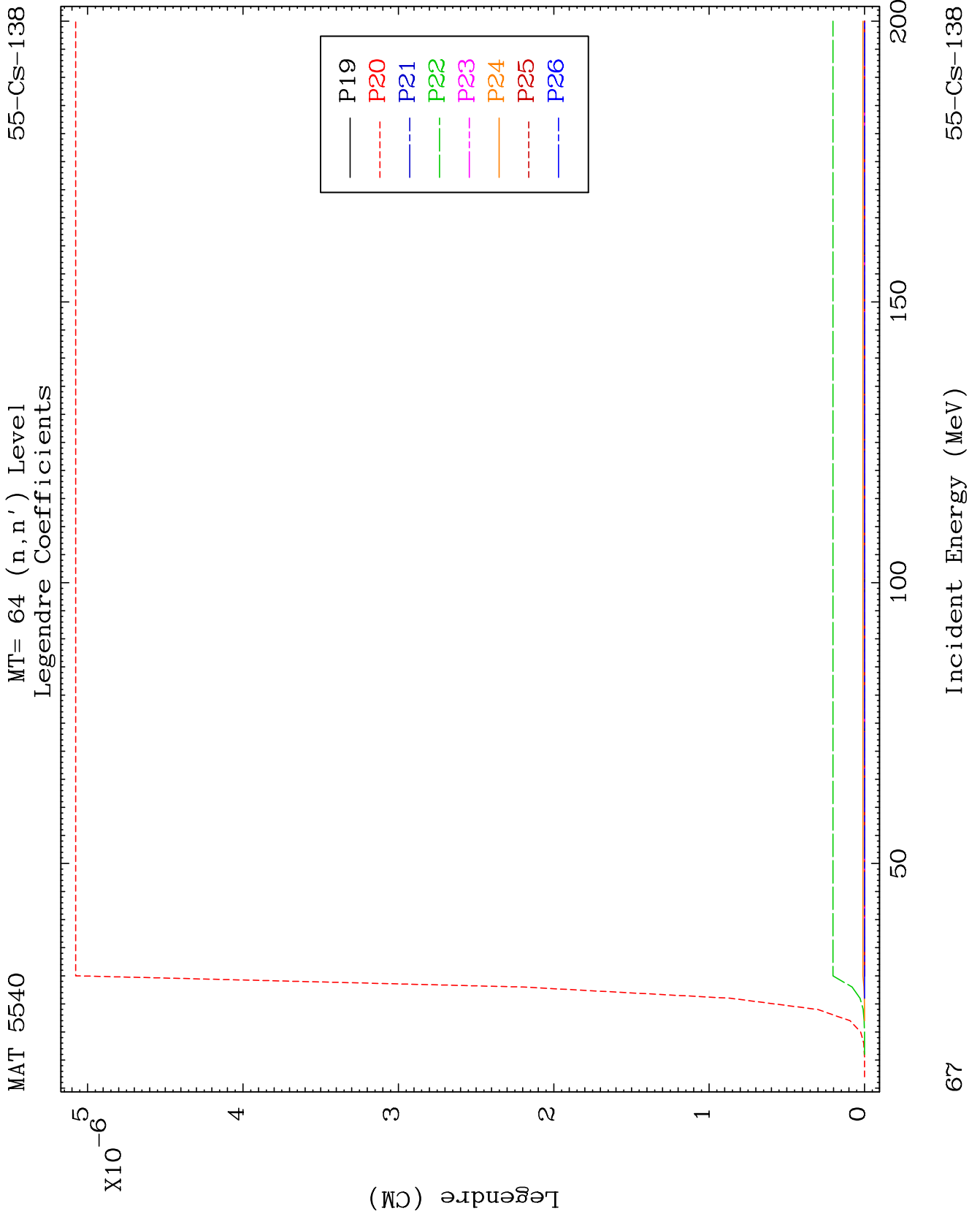
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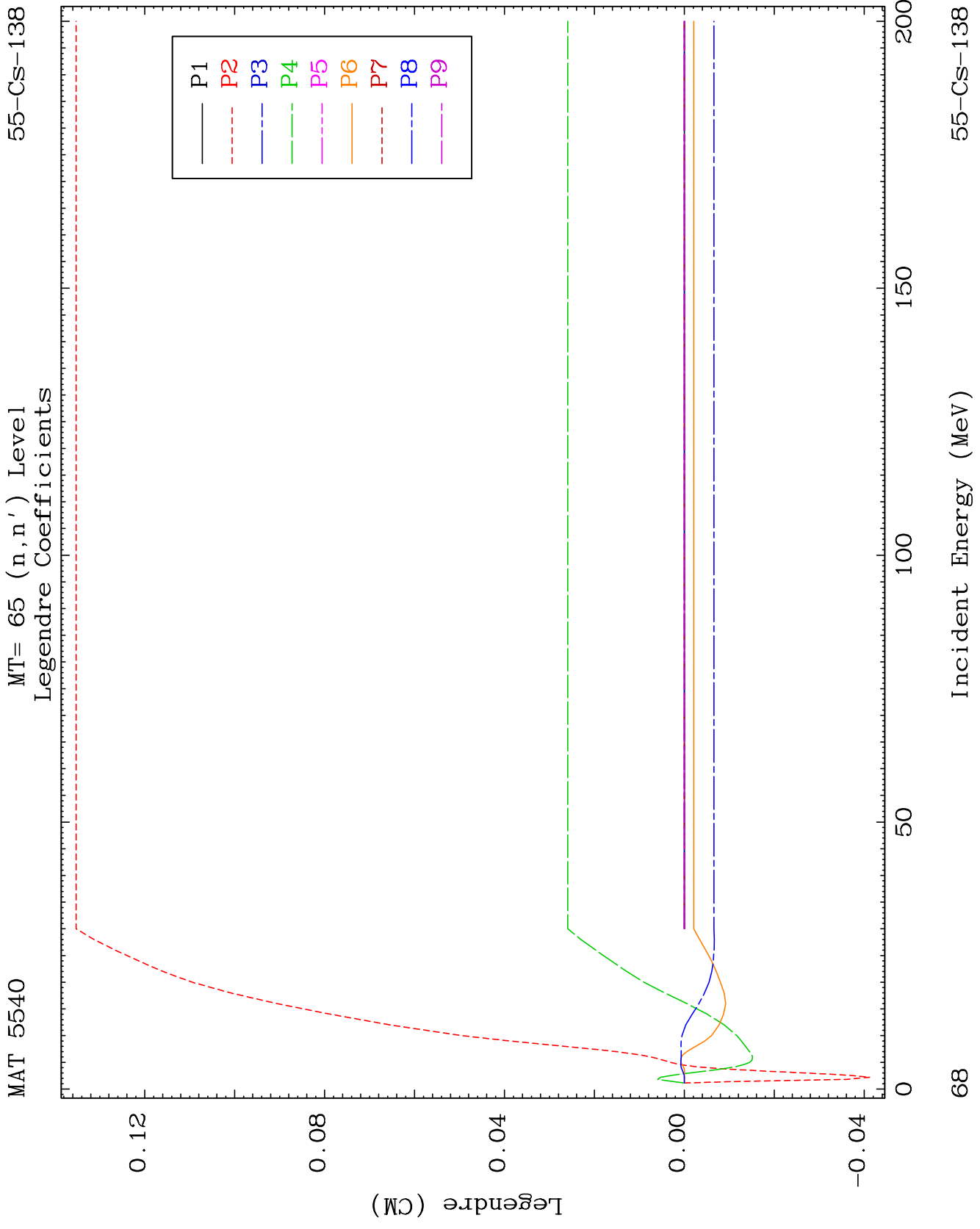


66

Incident Energy (MeV)

55-Cs-138

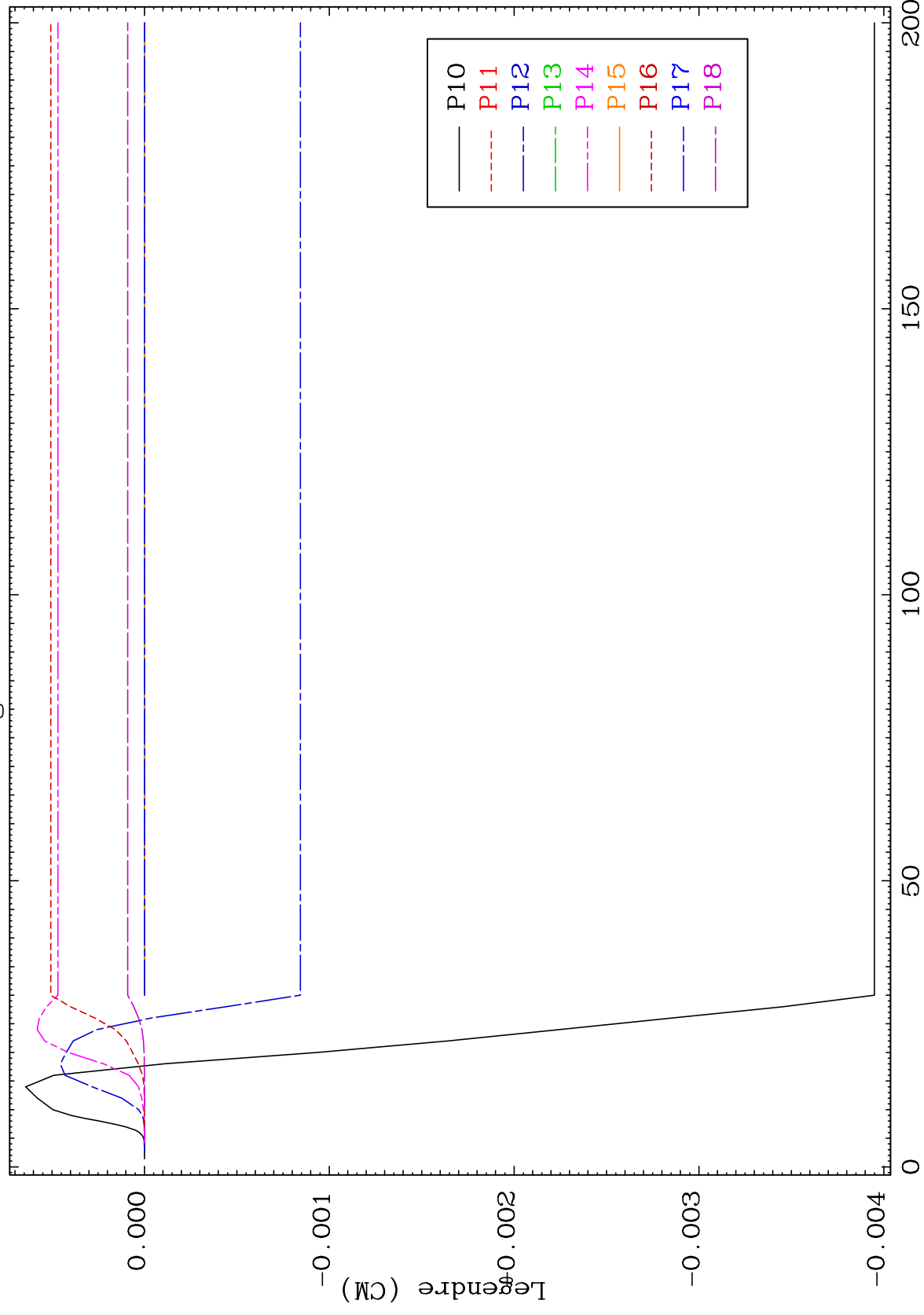




MAT 5540

MT= 65 (n,n') Level  
Legendre Coefficients

55-Cs-138



69

Incident Energy (MeV)

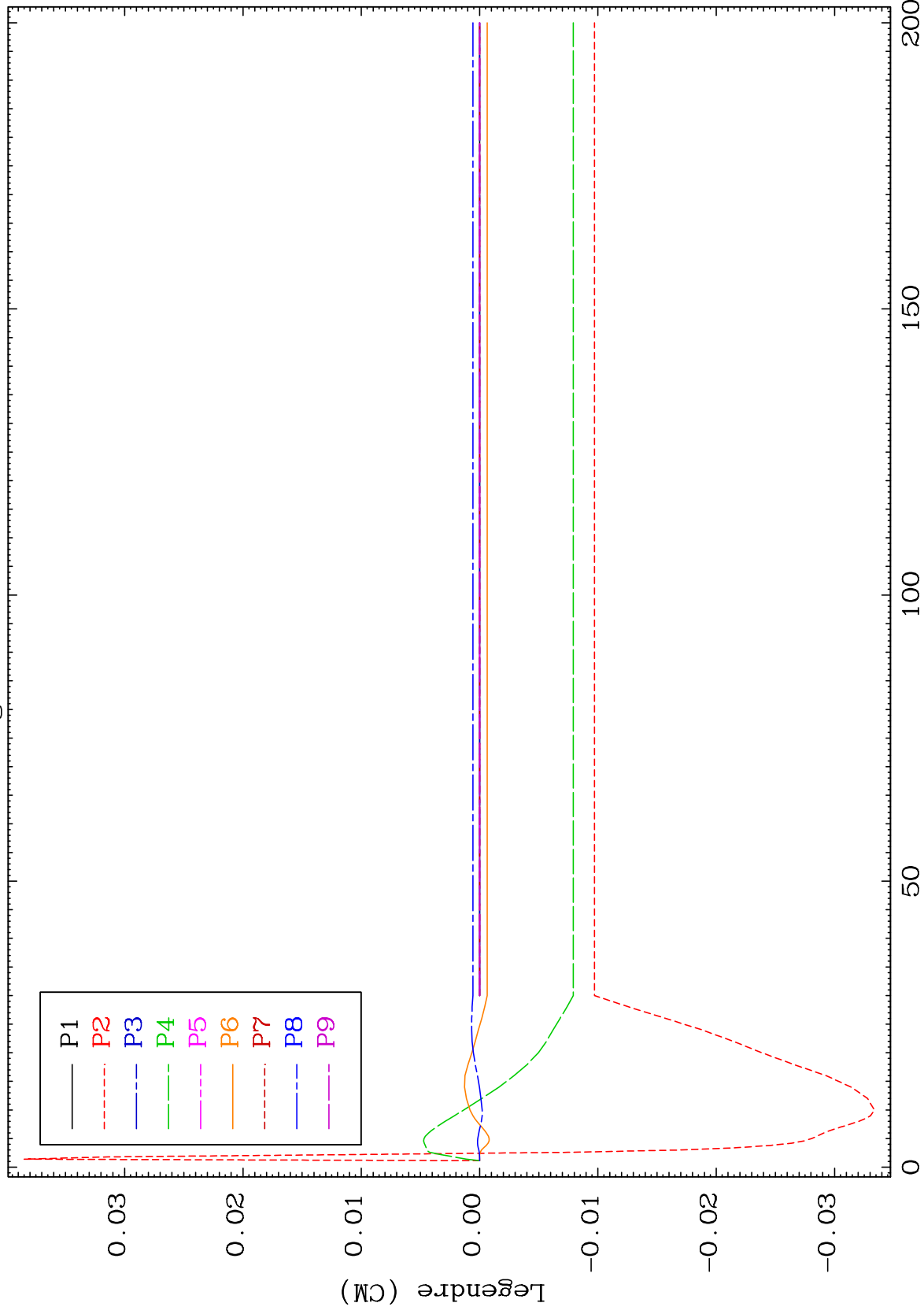
55-Cs-138



MAT 5540

MT= 66 (n,n') Level  
Legendre Coefficients

55-Cs-138



71

Incident Energy (MeV)

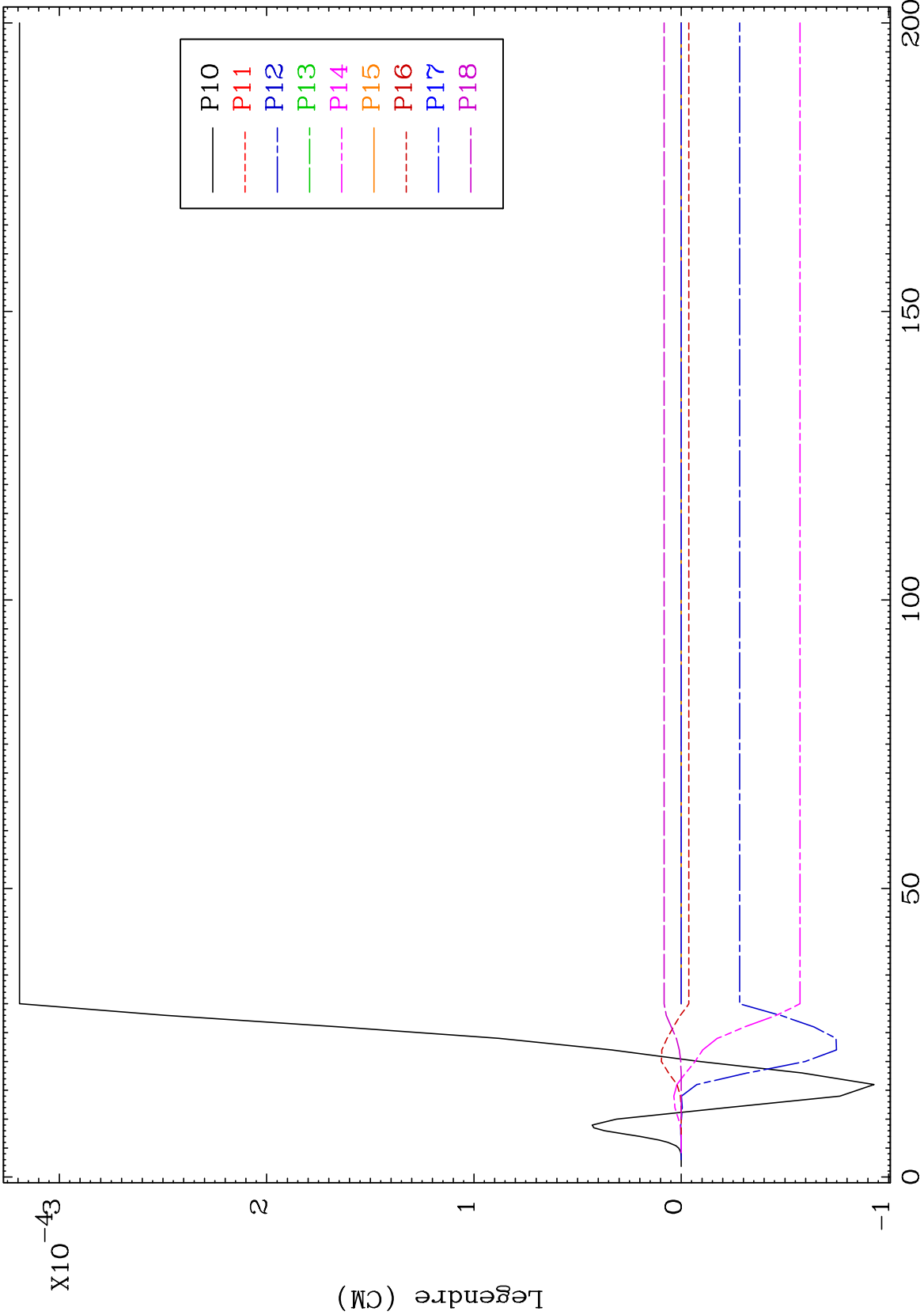
55-Cs-138



MAT 5540

MT= 66 (n,n') Level  
Legendre Coefficients

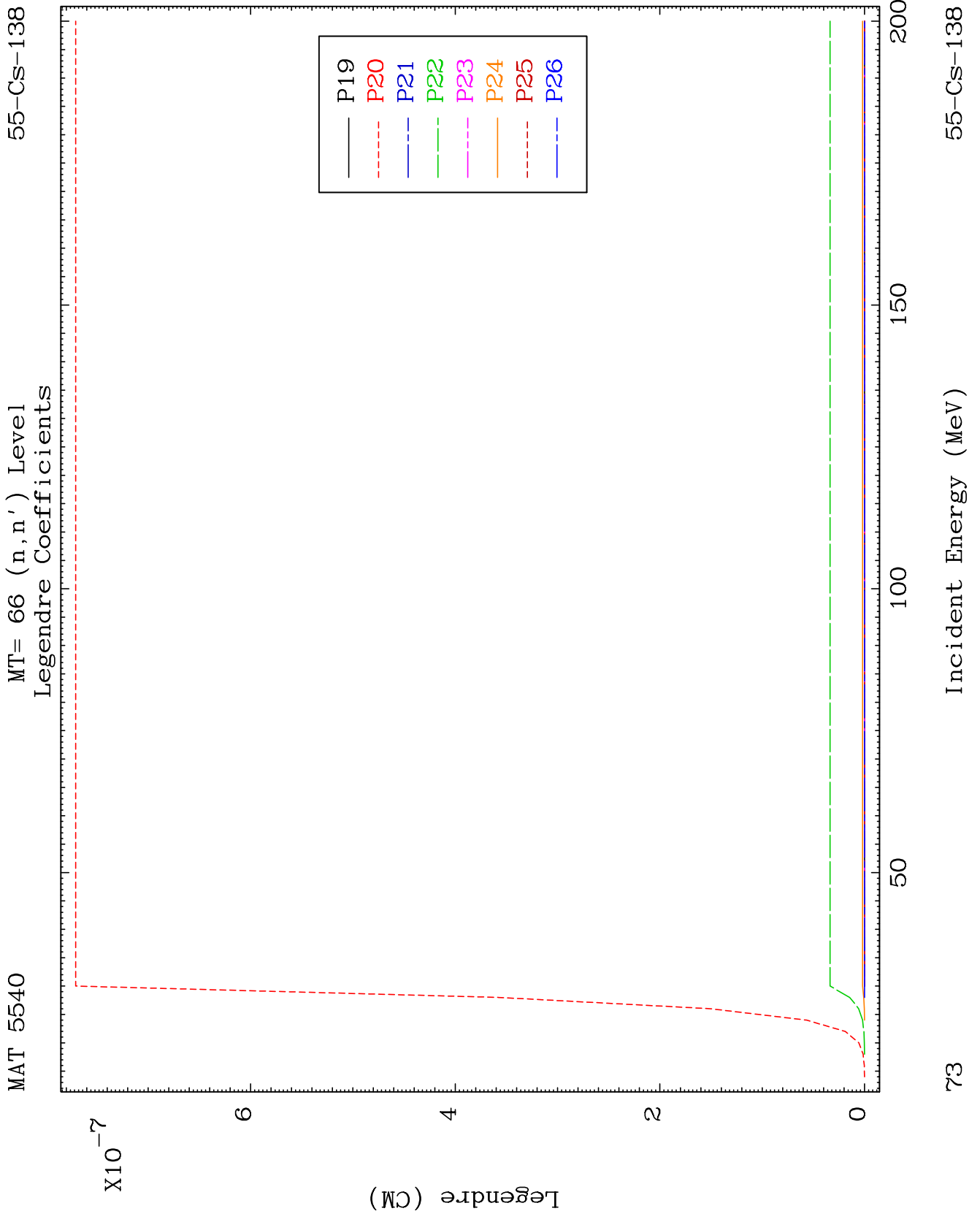
55-Cs-138



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Incident Energy (MeV)

55-Cs-138

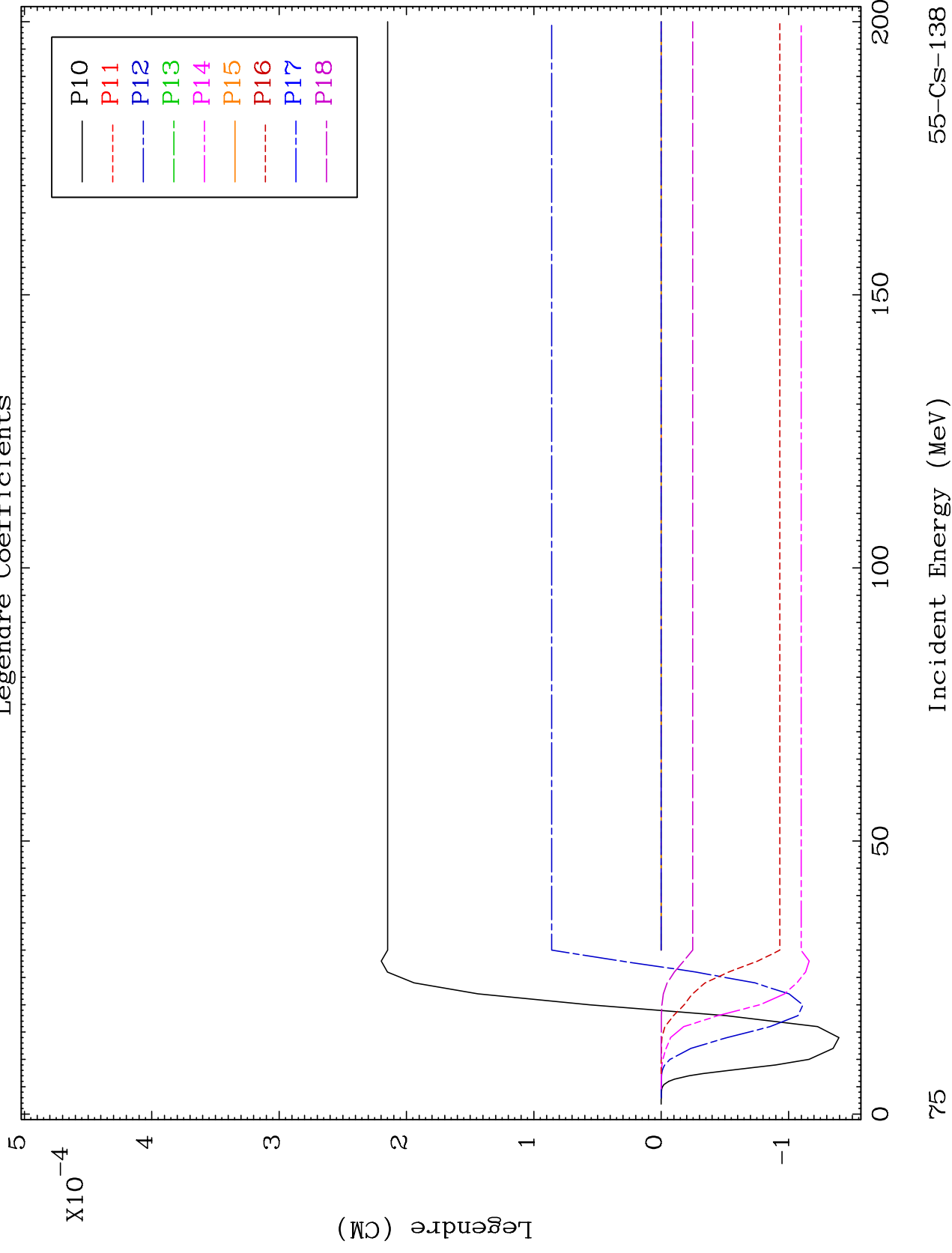




MAT 5540

MT= 67 (n,n') Level  
Legendre Coefficients

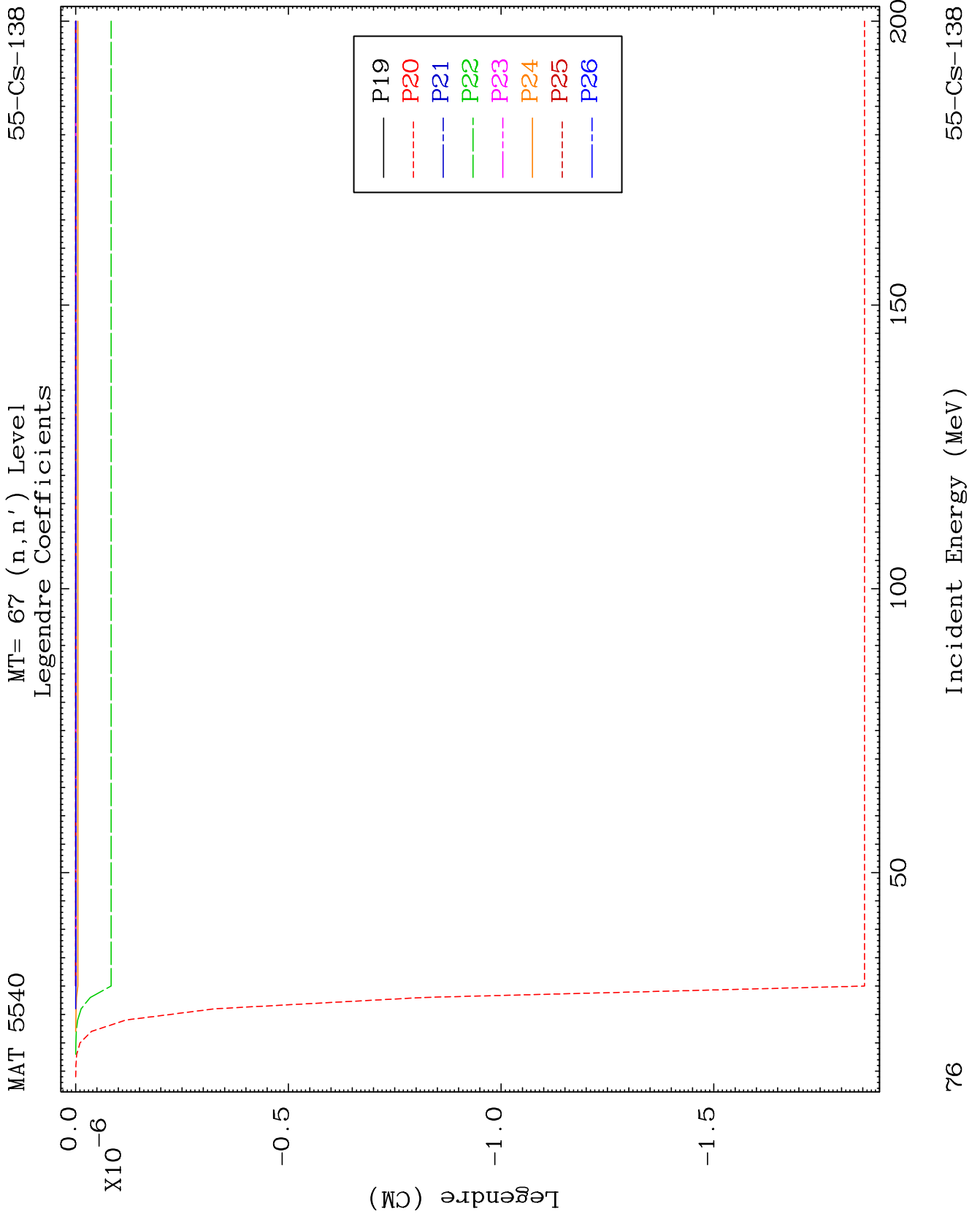
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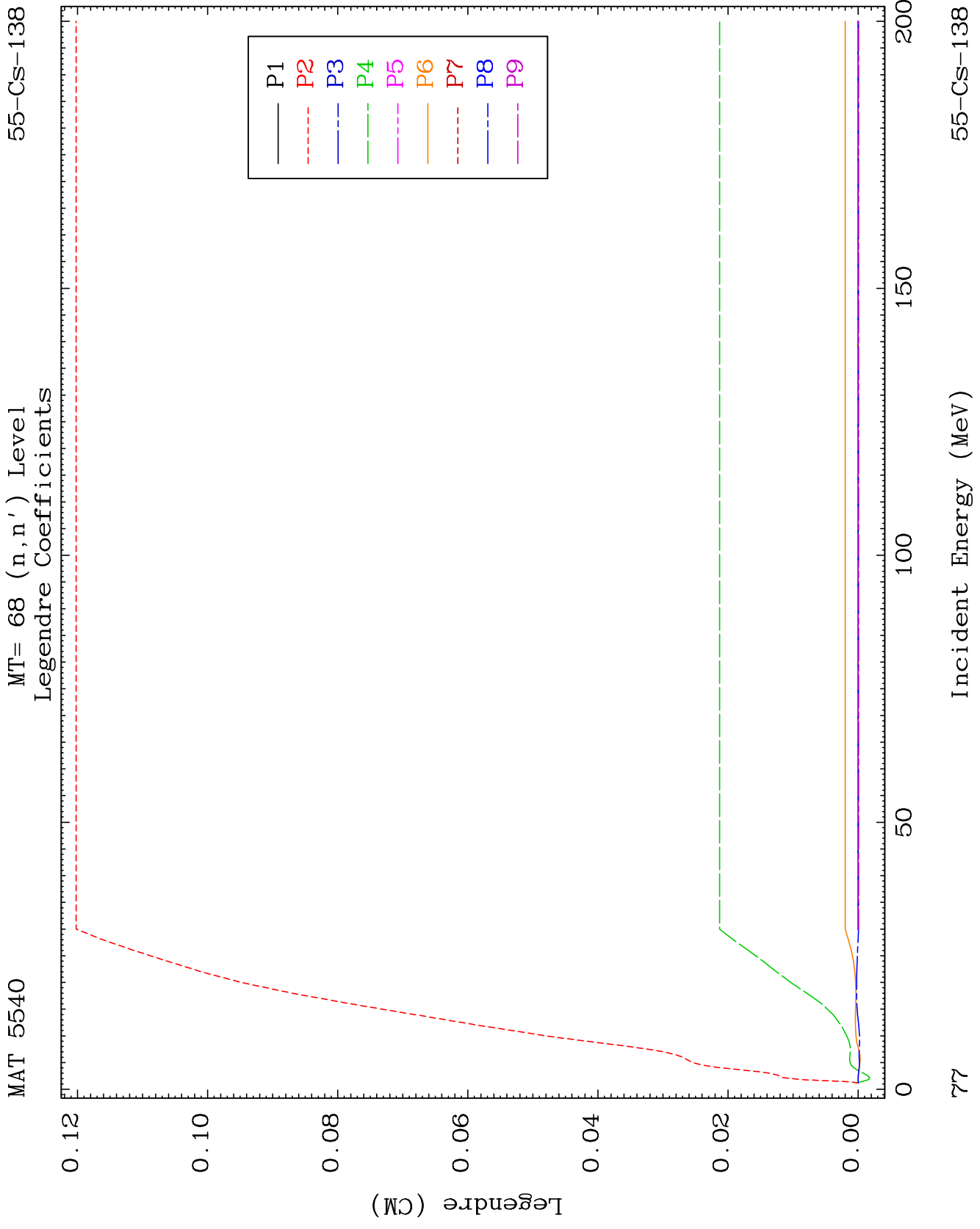


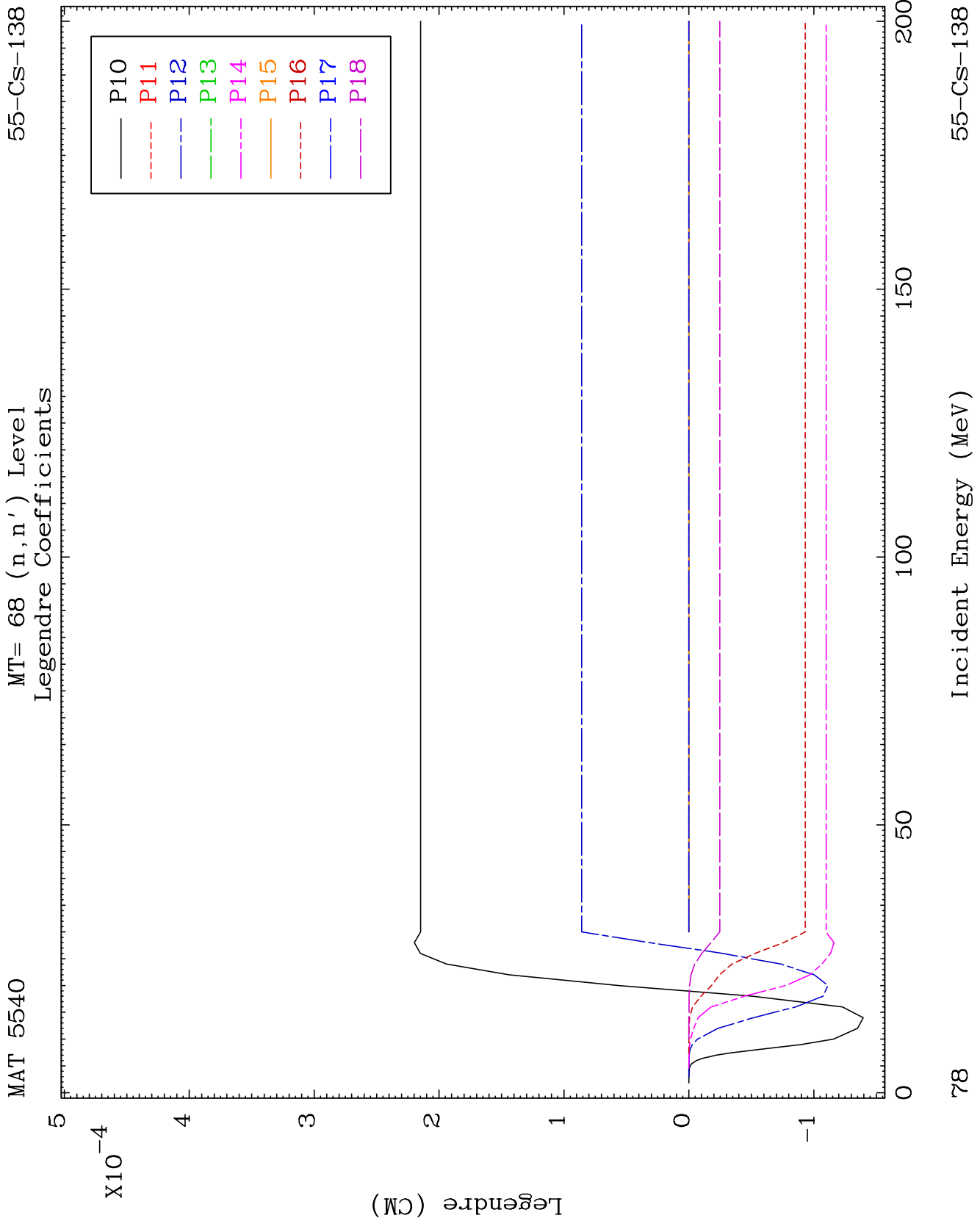
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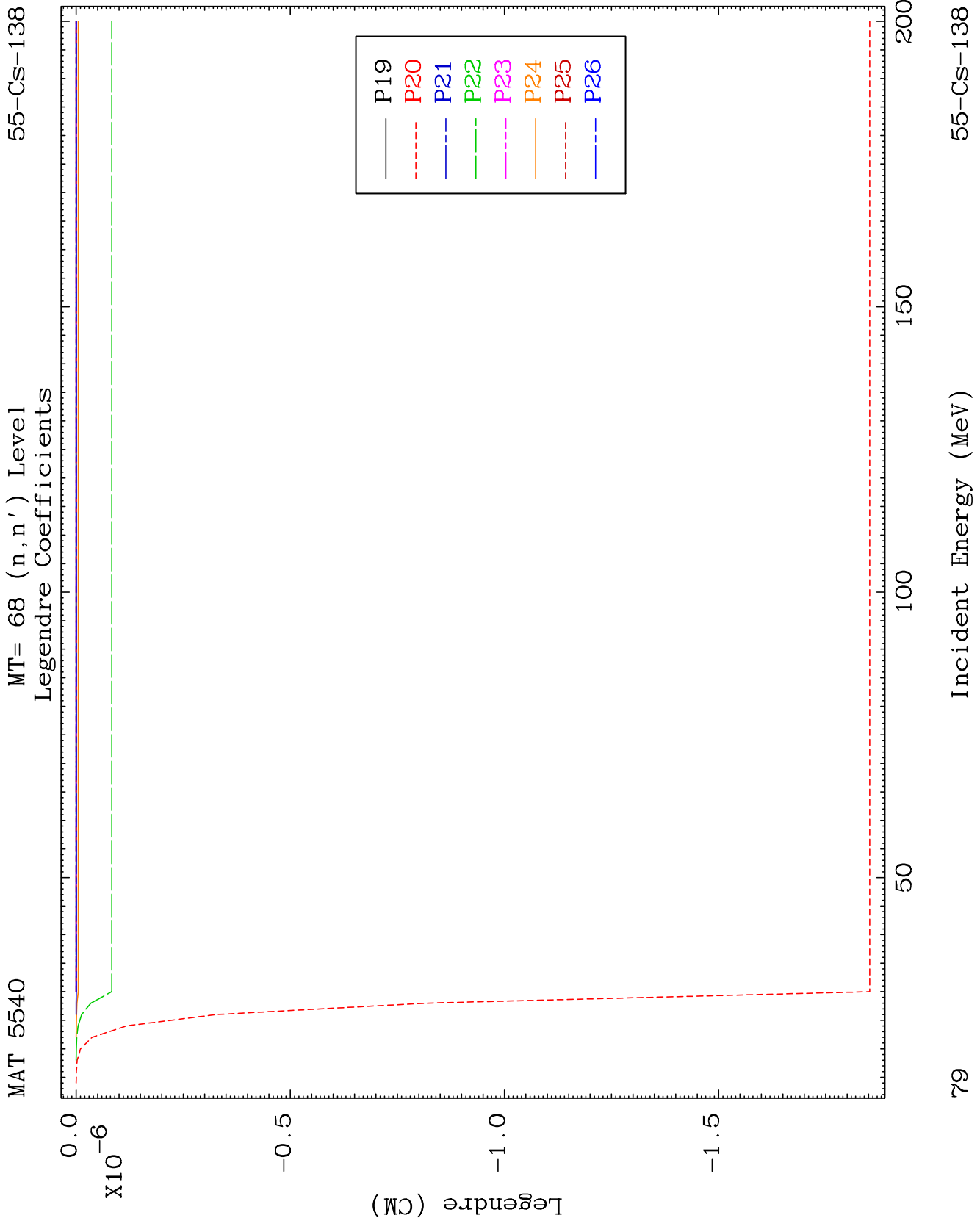
Incident Energy (MeV)

75

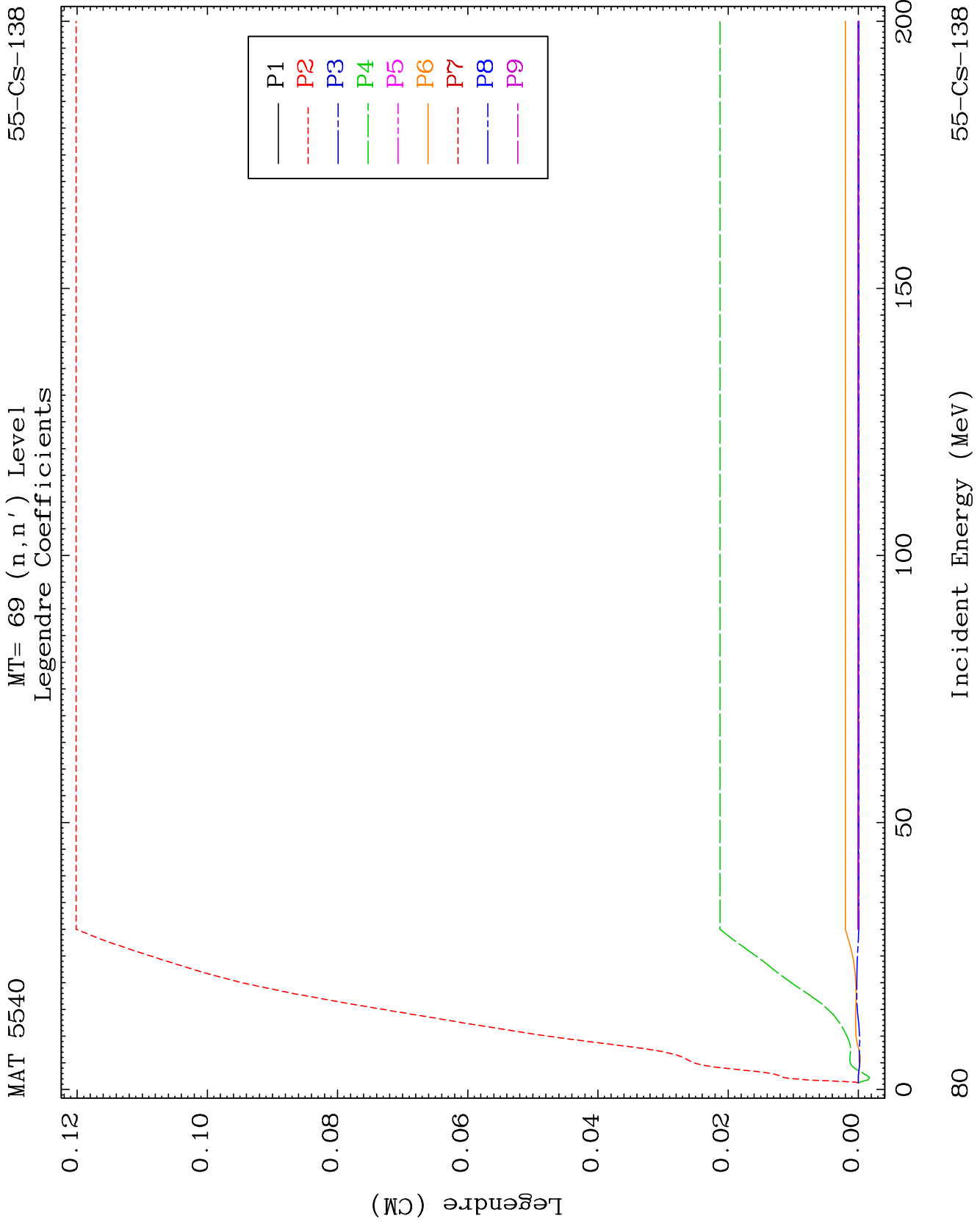




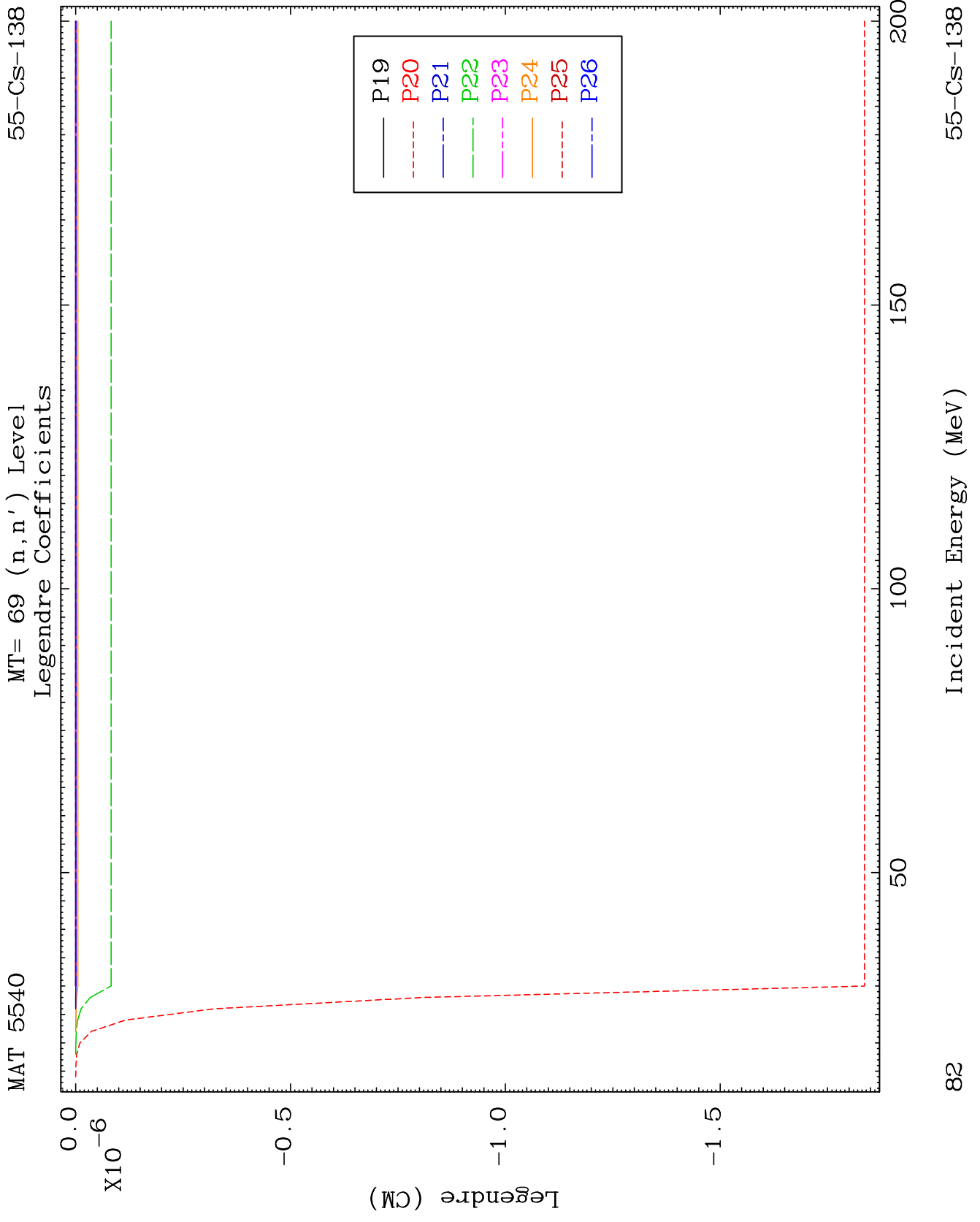










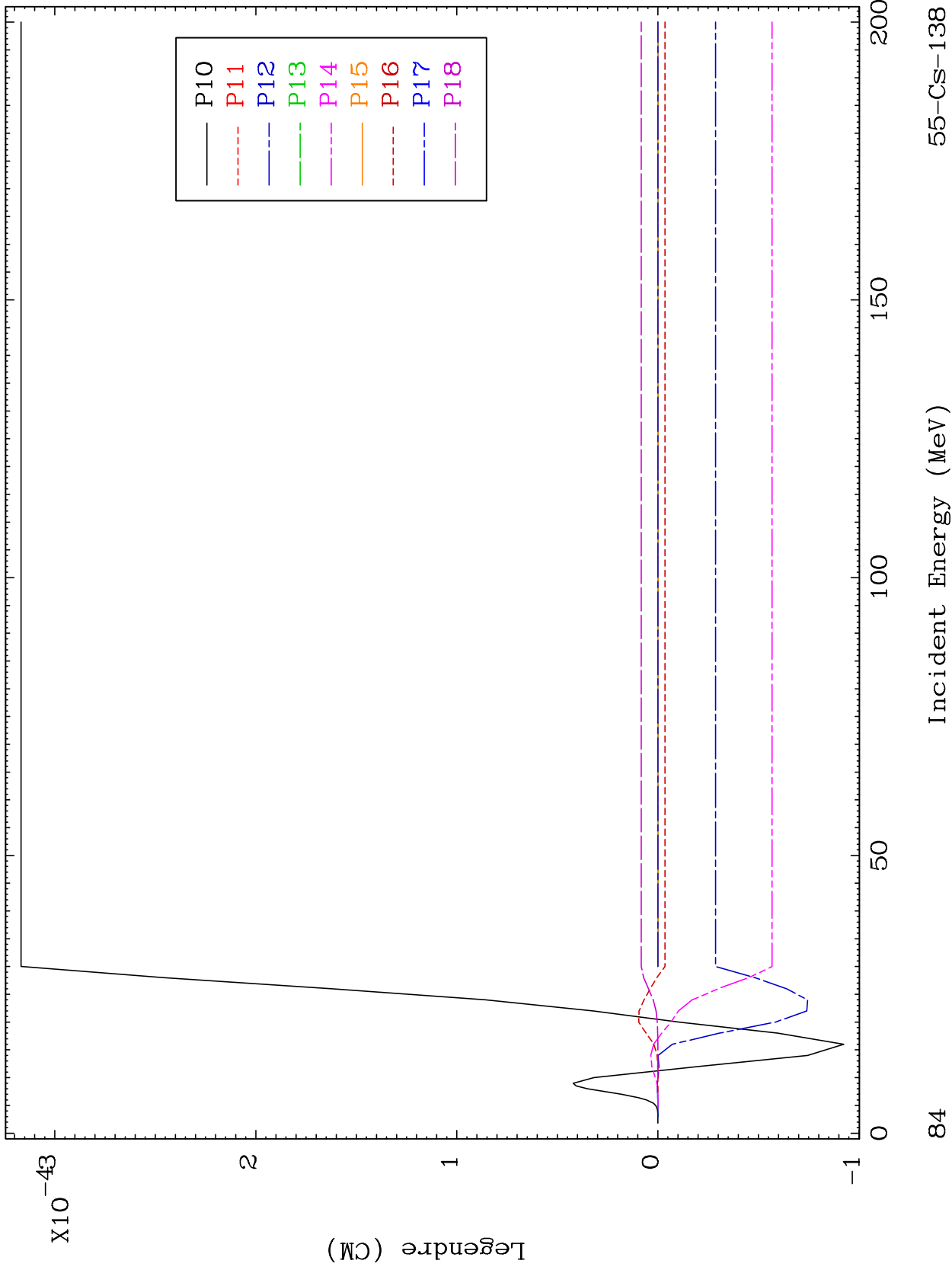




MAT 5540

MT= 70 (n,n') Level  
Legendre Coefficients

55-Cs-138



84

Incident Energy (MeV)

55-Cs-138

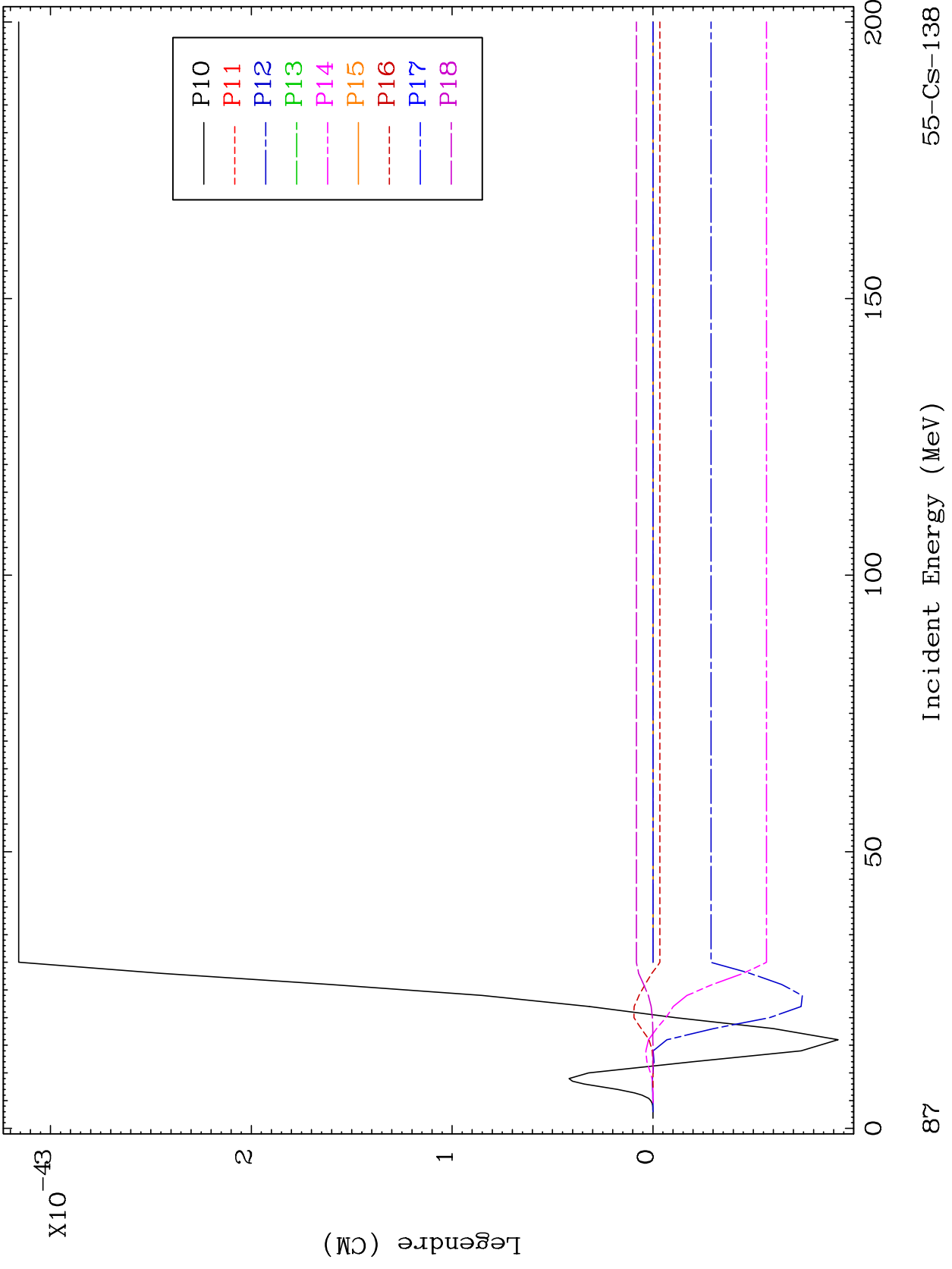




MAT 5540

MT= 71 (n,n') Level  
Legendre Coefficients

55-Cs-138

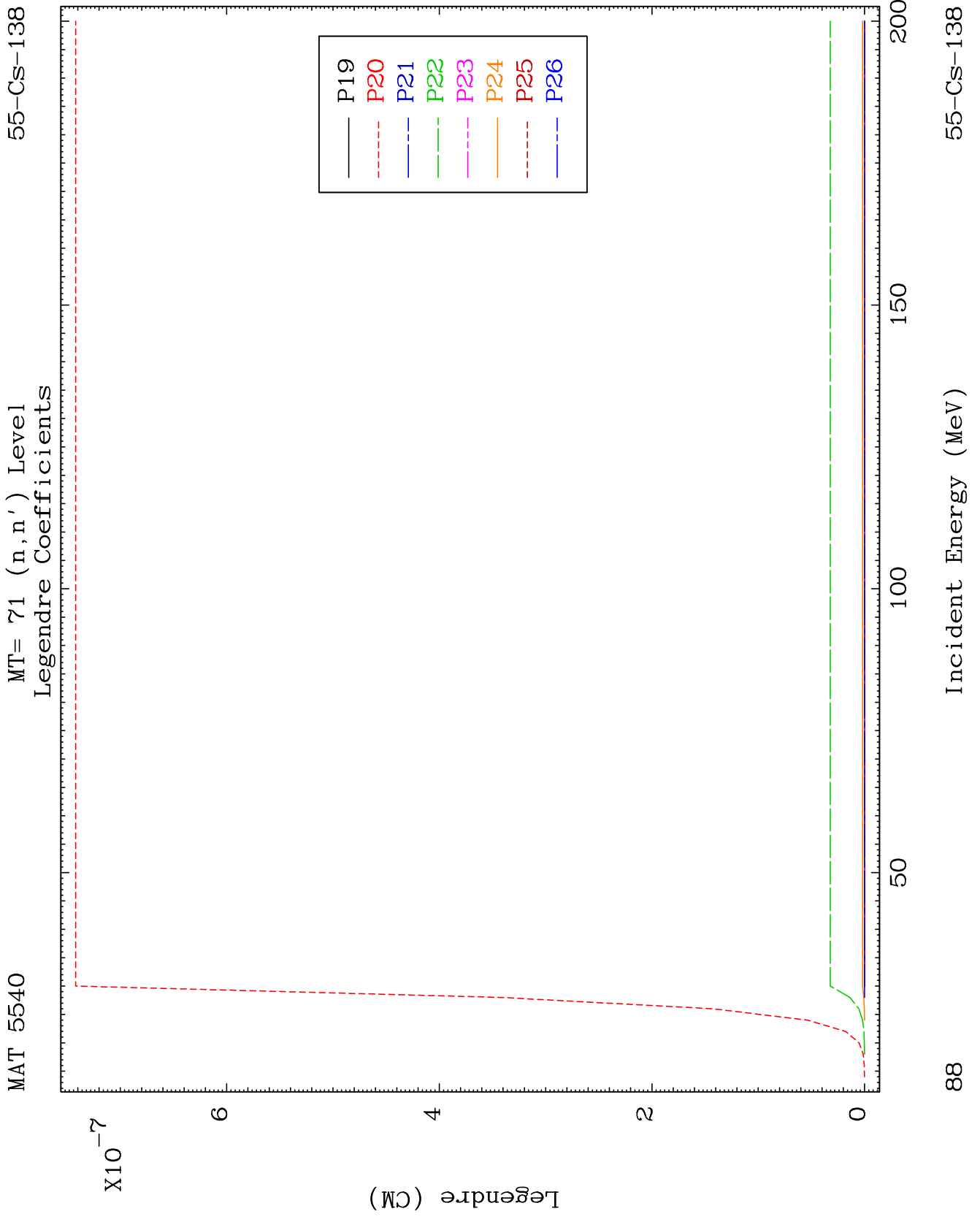


55-Cs-138

Incident Energy (MeV)

87

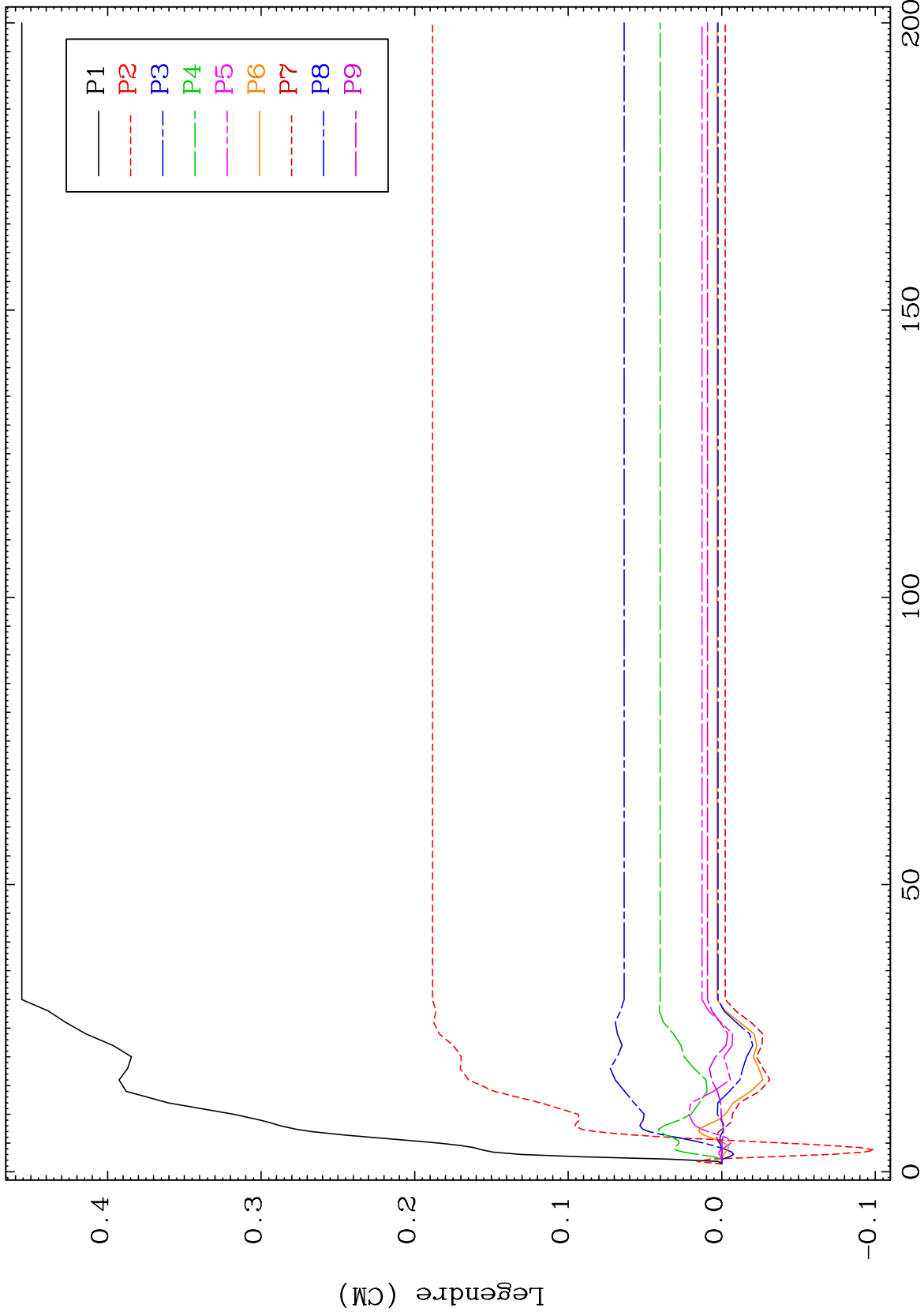




MAT 5540

MT= 72 (n,n') Level  
Legendre Coefficients

55-Cs-138



55-Cs-138

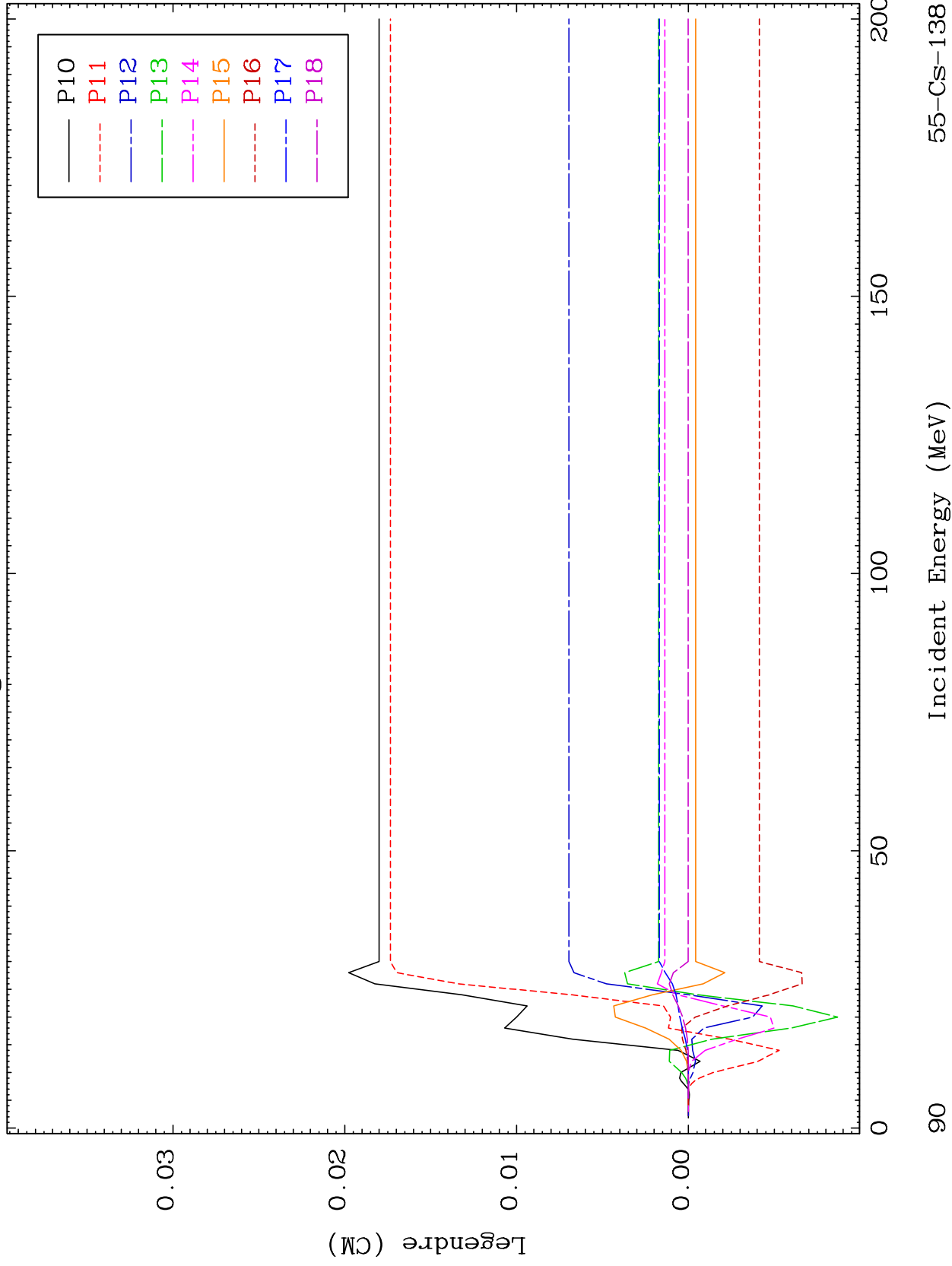
Incident Energy (MeV)

89

MAT 5540

MT= 72 (n,n') Level  
Legendre Coefficients

55-Cs-138



55-Cs-138

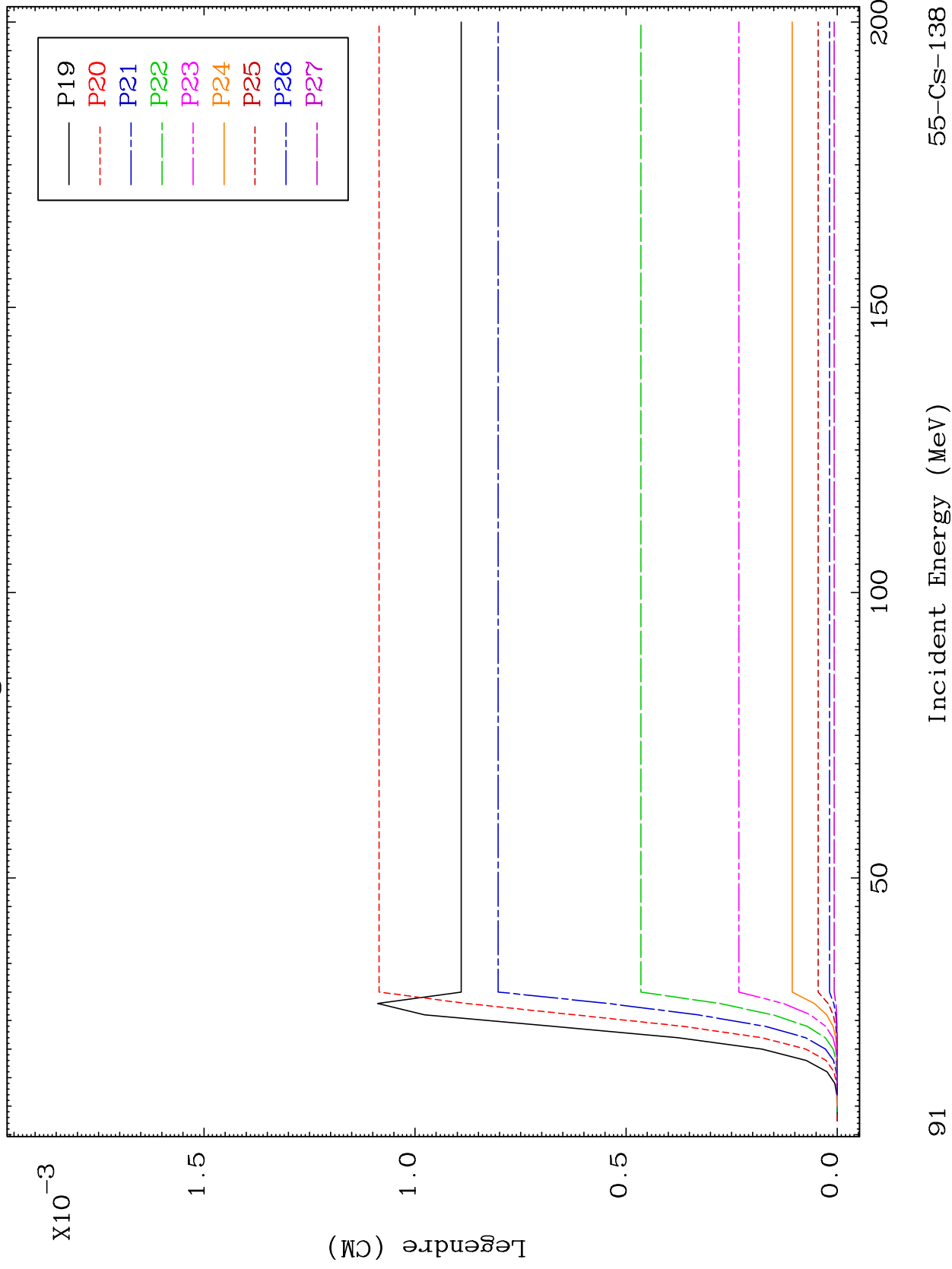
Incident Energy (MeV)

90

MAT 5540

MT= 72 (n,n') Level  
Legendre Coefficients

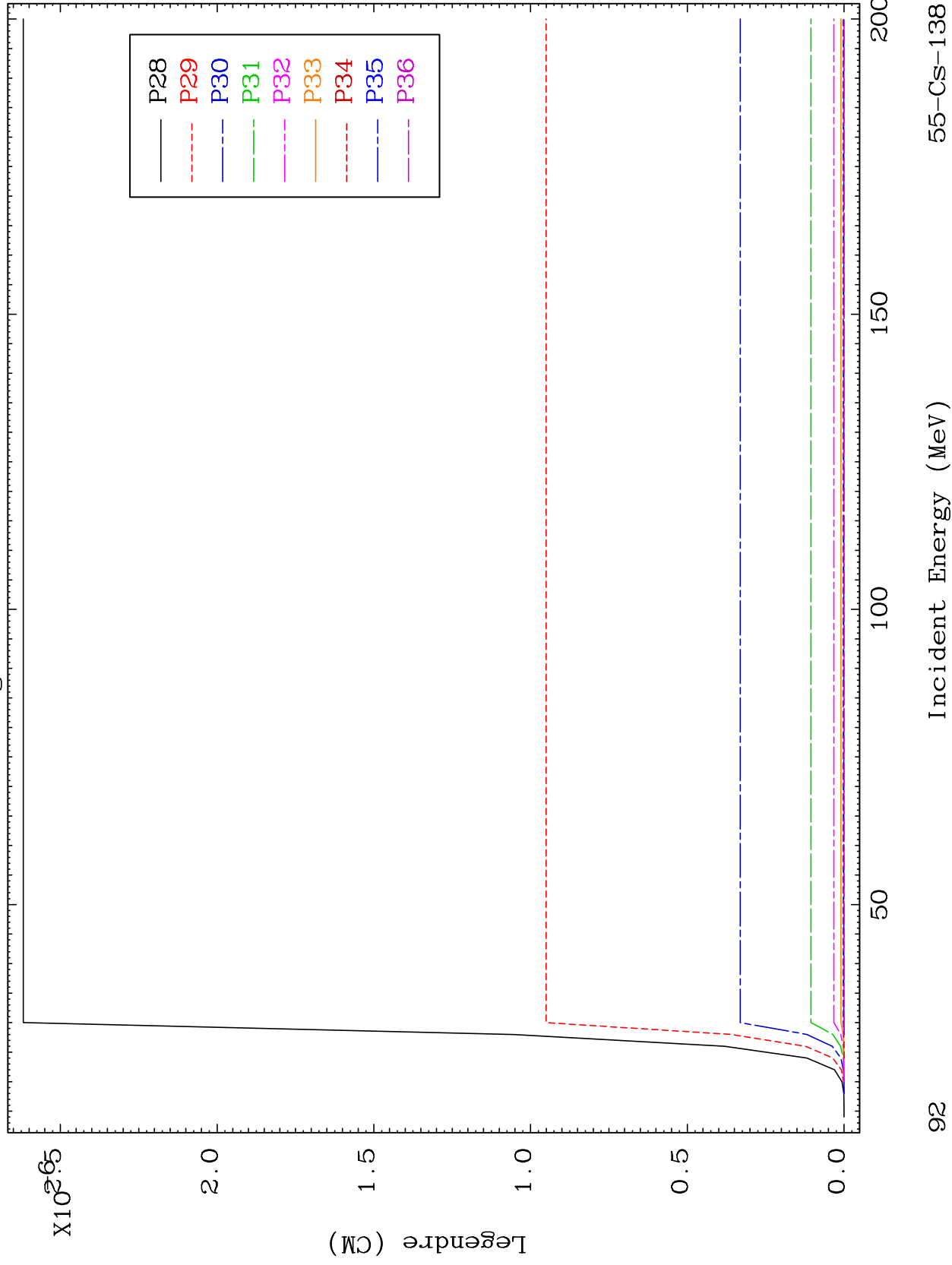
55-Cs-138



MAT 5540

MT= 72 (n,n') Level  
Legendre Coefficients

55-Cs-138



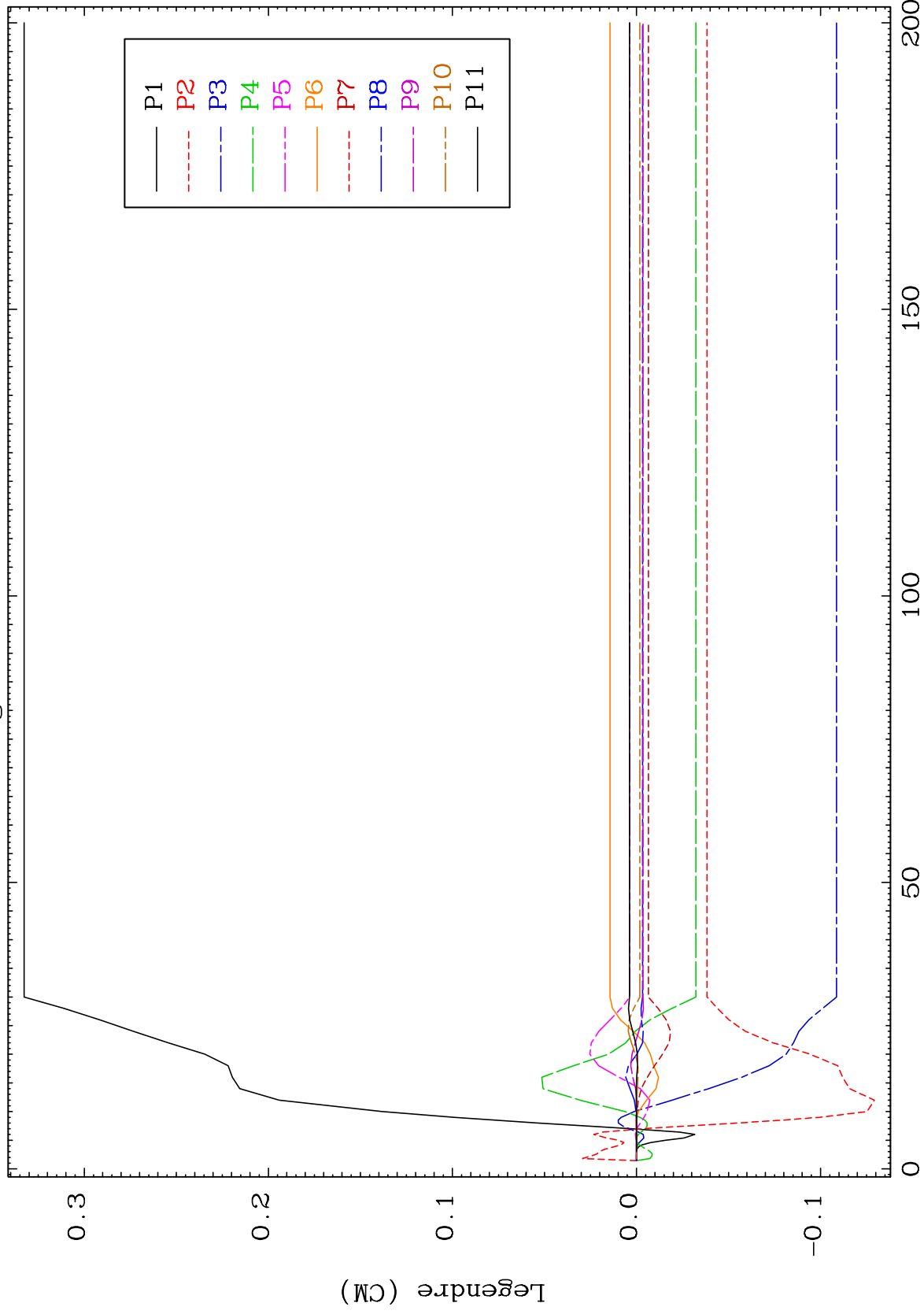
92

55-Cs-138

MAT 5540

MT= 73 (n,n') Level  
Legendre Coefficients

55-Cs-138



93

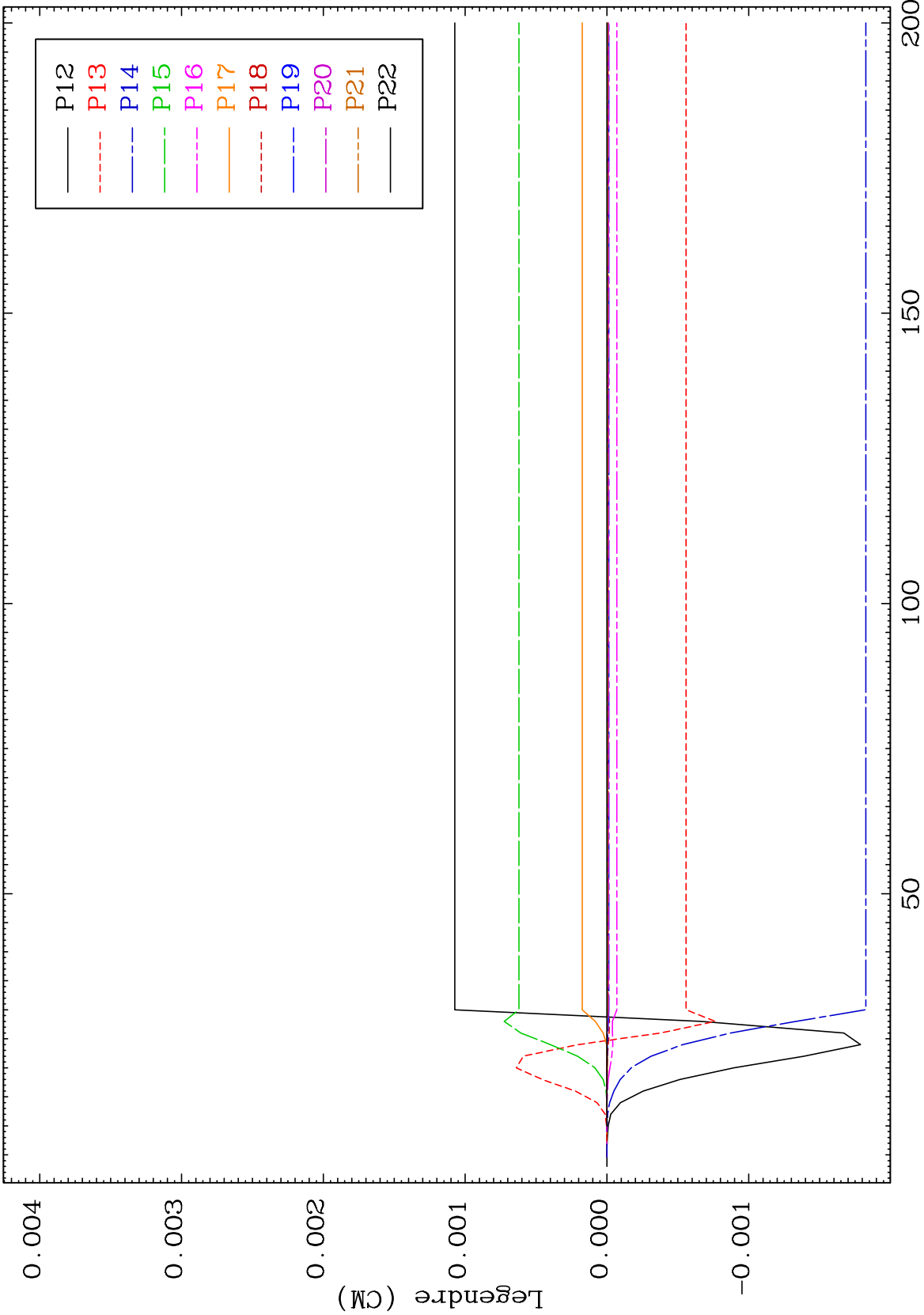
Incident Energy (MeV)

55-Cs-138

MAT 5540

MT= 73 (n,n') Level  
Legendre Coefficients

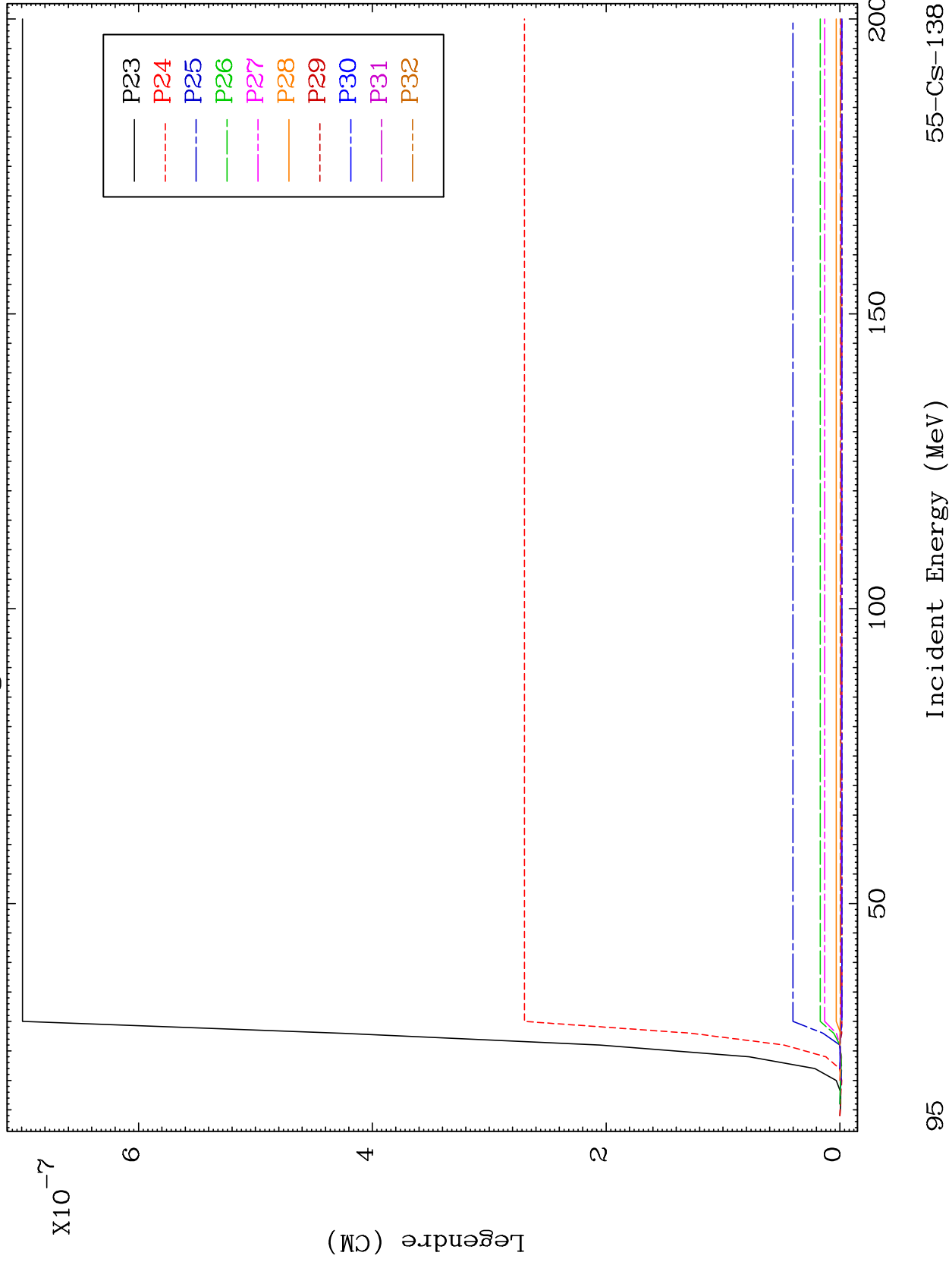
55-Cs-138



MAT 5540

MT= 73 (n,n') Level  
Legendre Coefficients

55-Cs-138



55-Cs-138

Incident Energy (MeV)

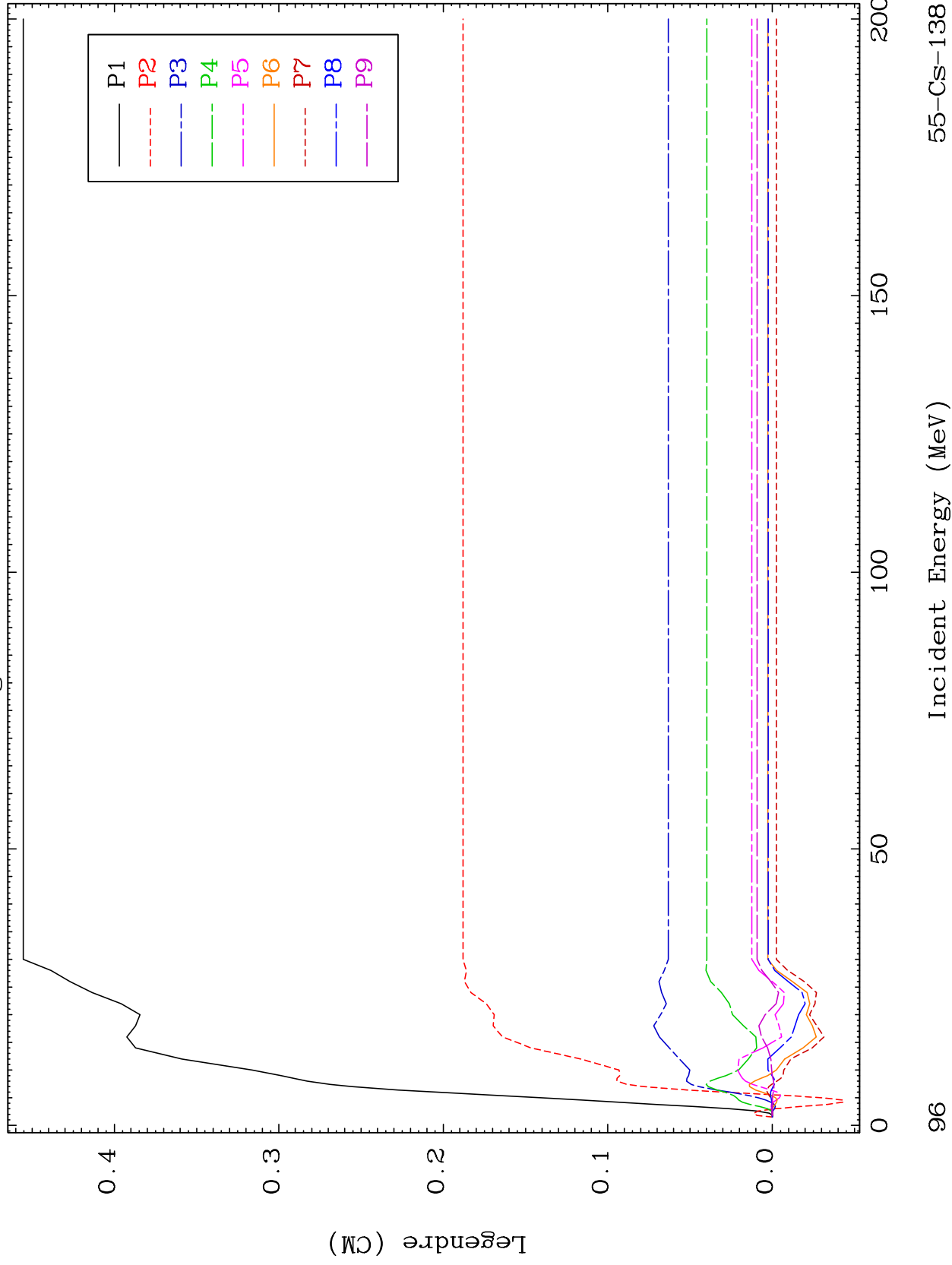
95



MAT 5540

MT= 74 (n,n') Level  
Legendre Coefficients

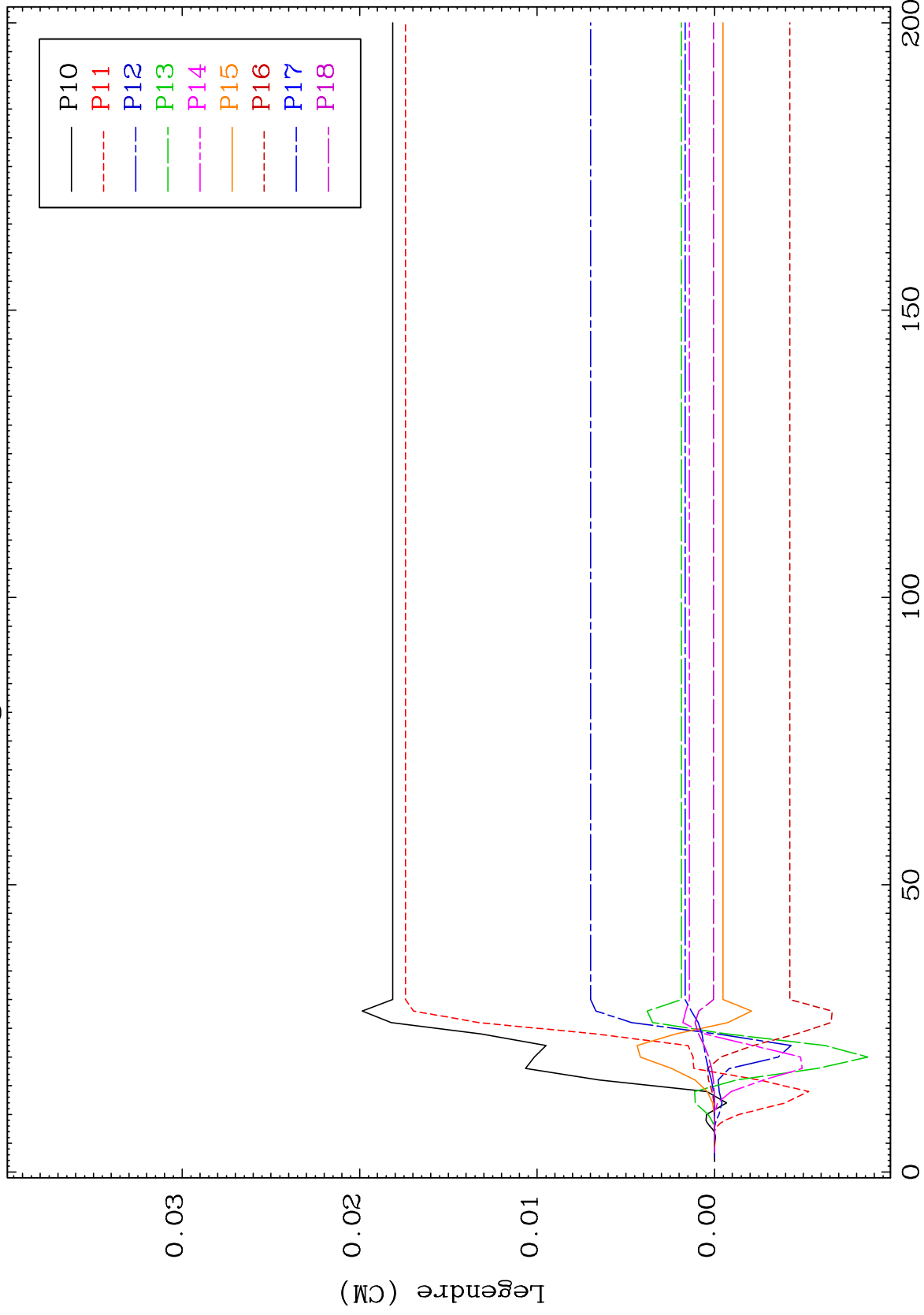
55-Cs-138



MAT 5540

MT= 74 (n,n') Level  
Legendre Coefficients

55-Cs-138



97

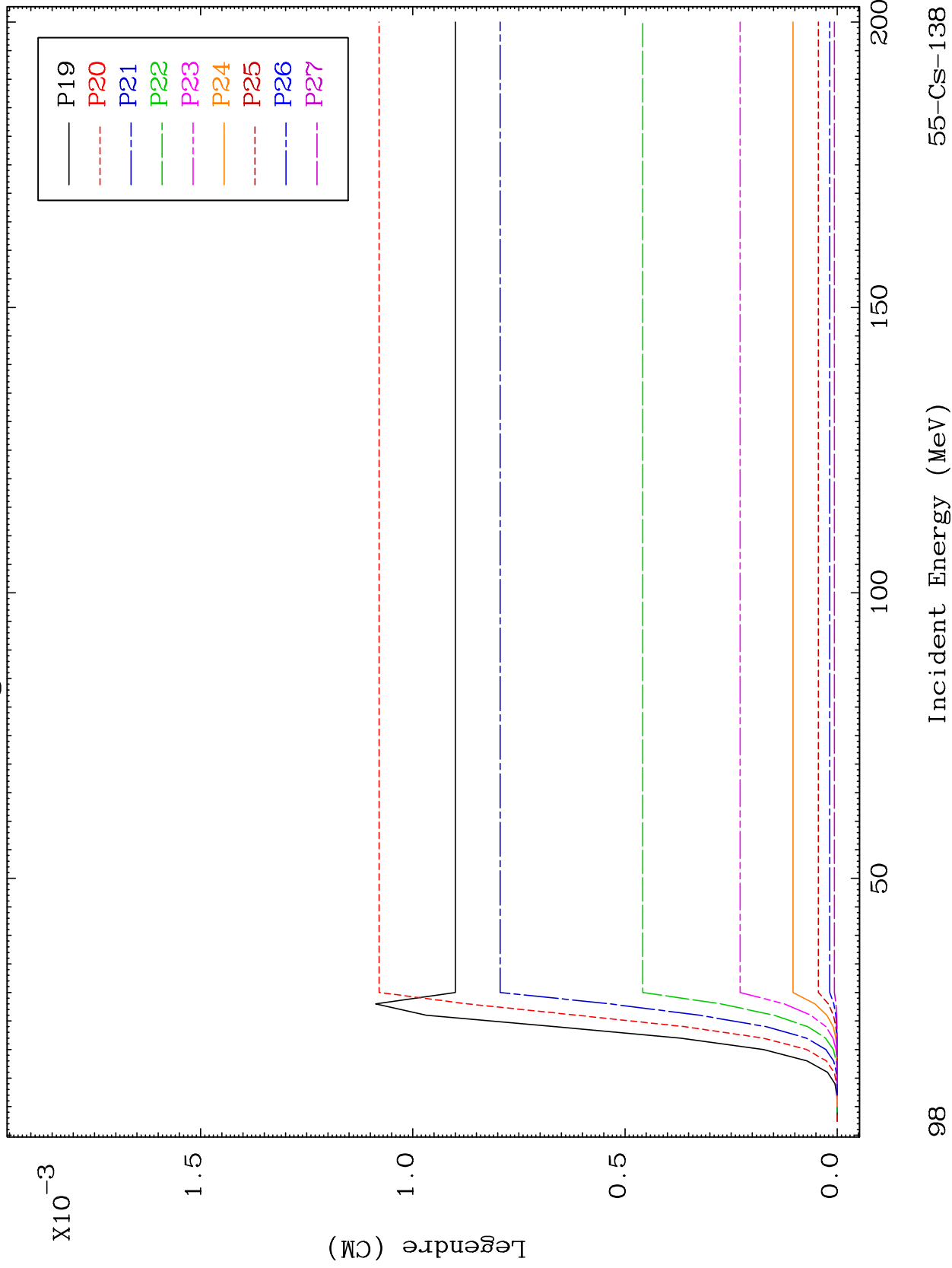
Incident Energy (MeV)

55-Cs-138

MAT 5540

MT= 74 (n,n') Level  
Legendre Coefficients

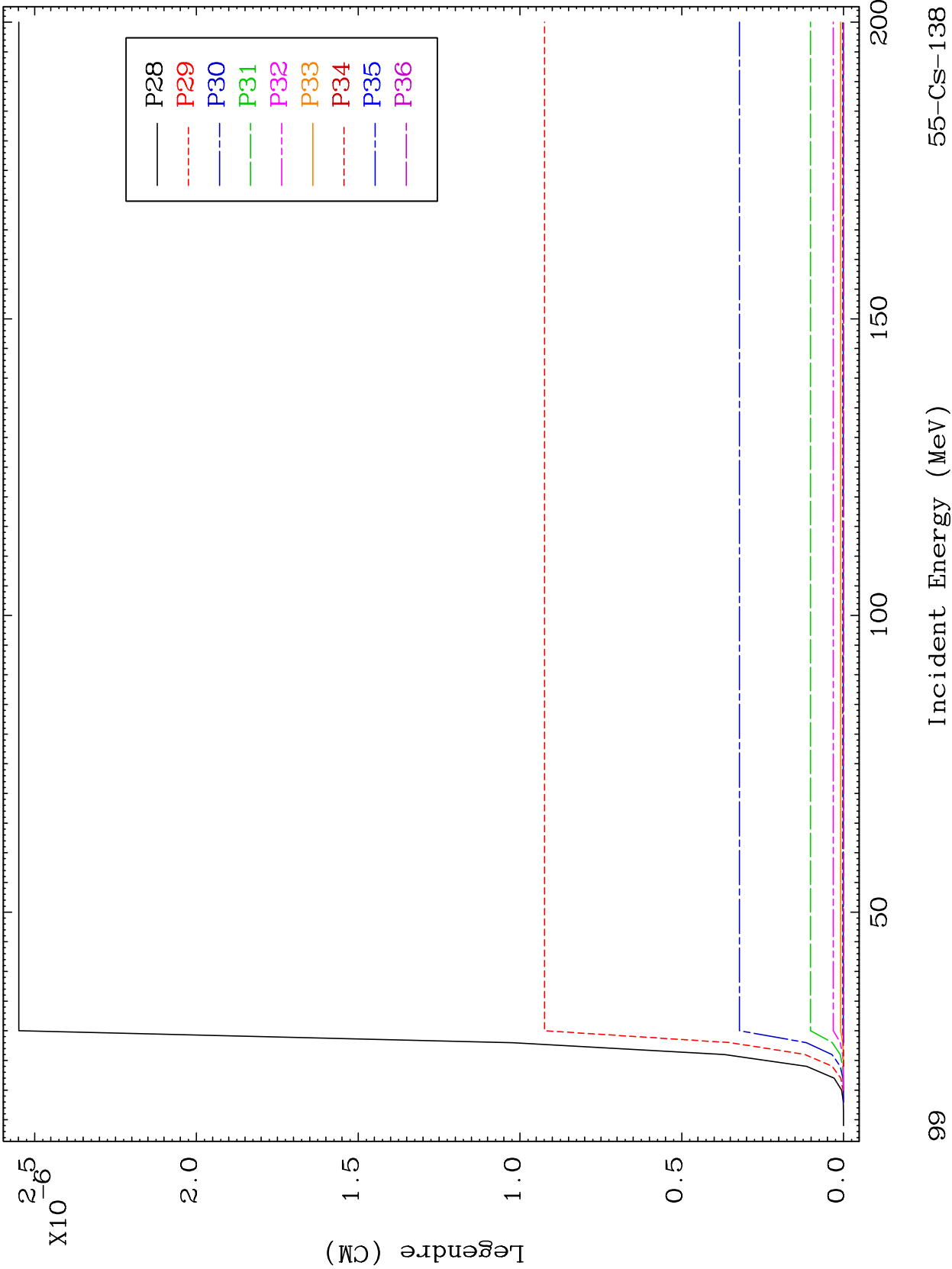
55-Cs-138



MAT 5540

MT= 74 (n,n') Level  
Legendre Coefficients

55-Cs-138



99

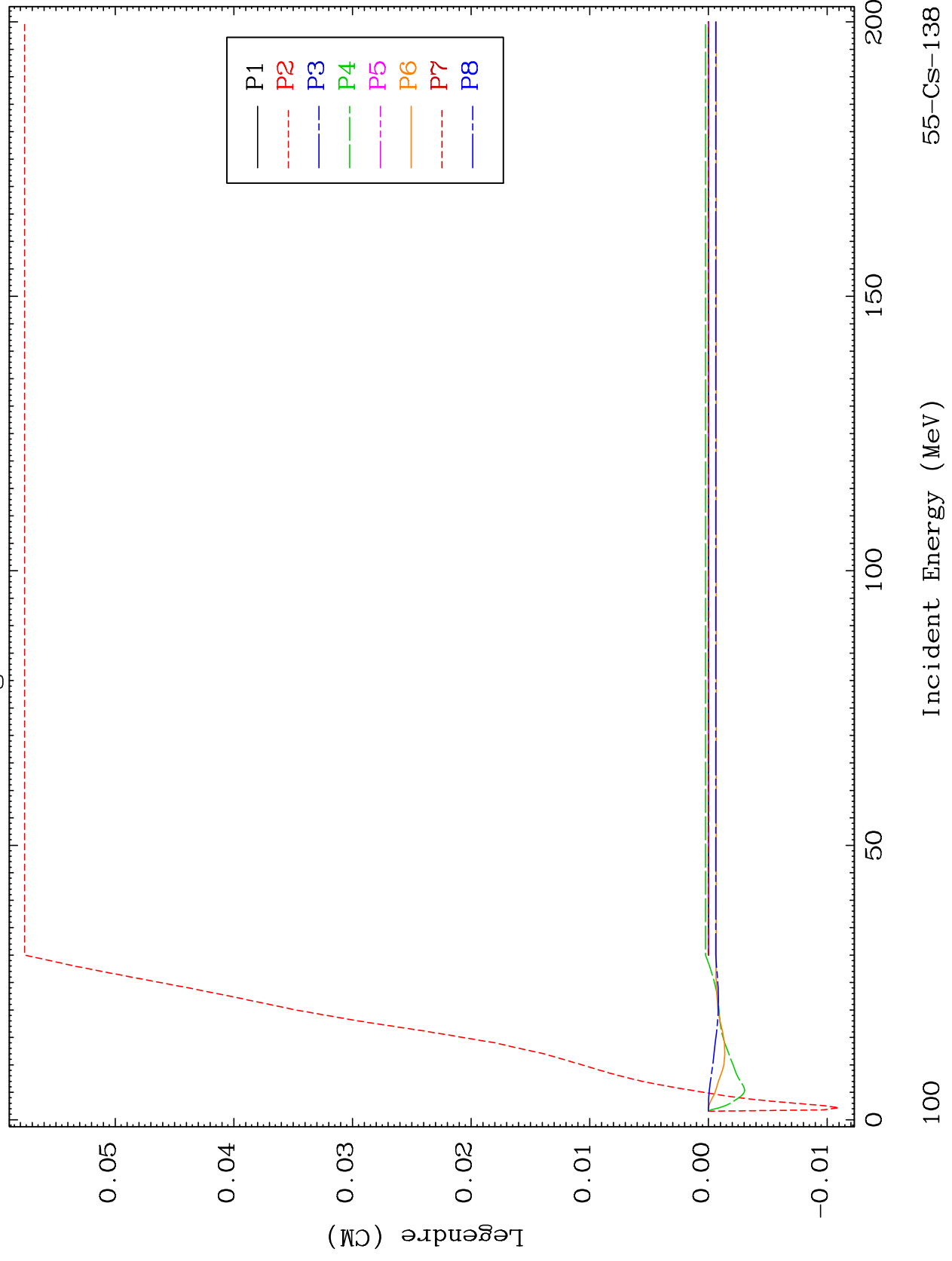
Incident Energy (MeV)

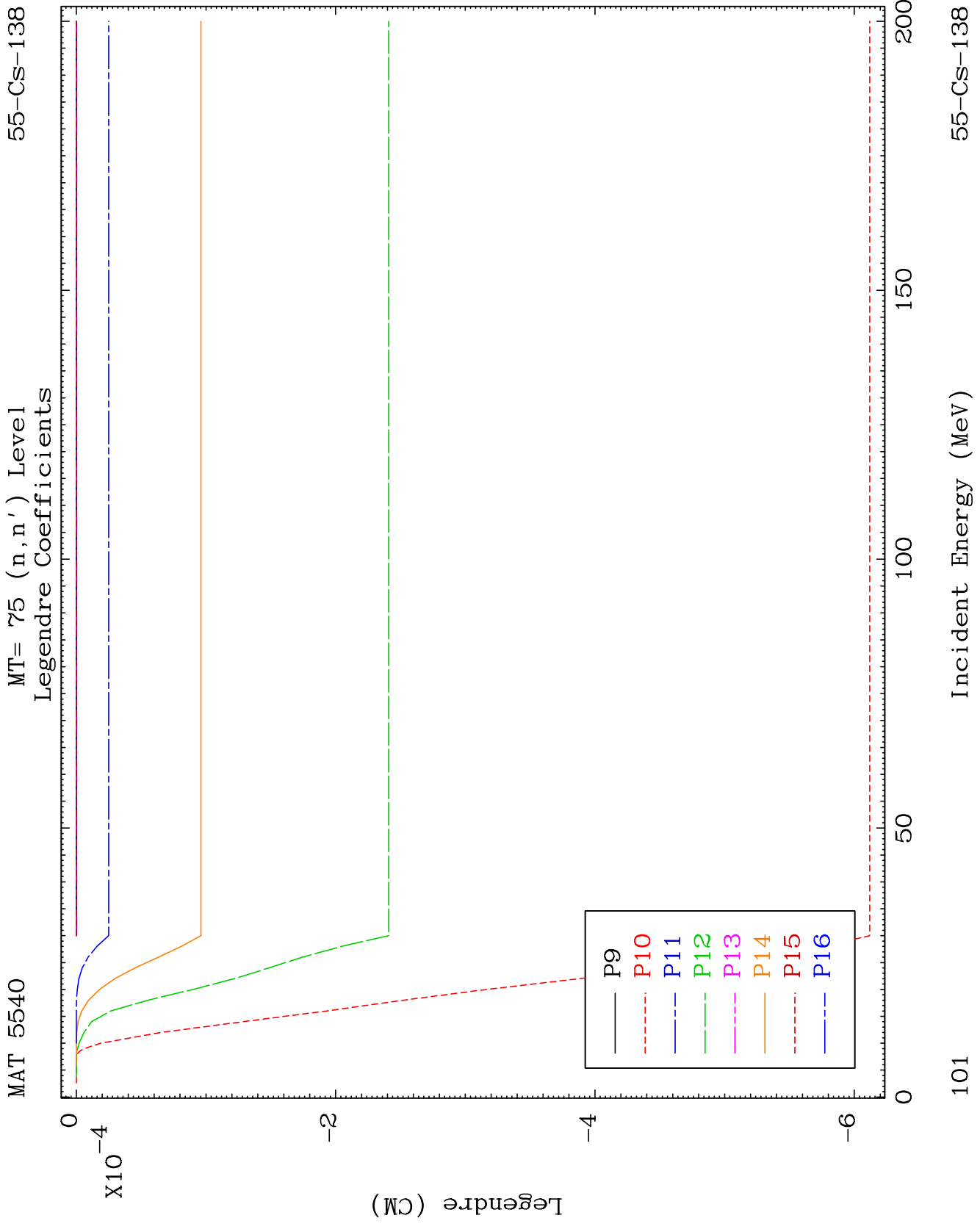
55-Cs-138

MAT 5540

MT= 75 (n,n') Level  
Legendre Coefficients

55-Cs-138

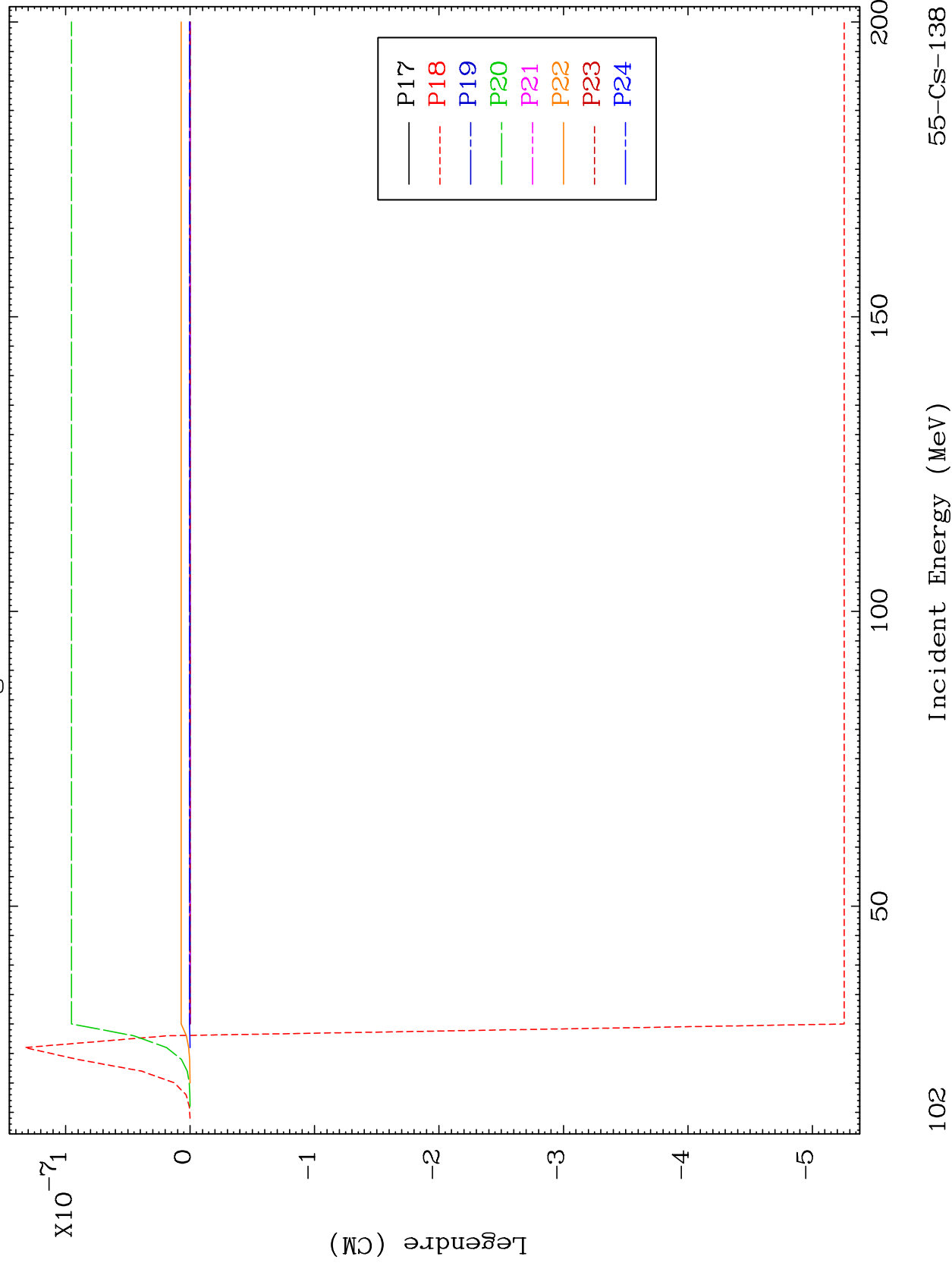




MAT 5540

MT= 75 (n,n') Level  
Legendre Coefficients

55-Cs-138



102

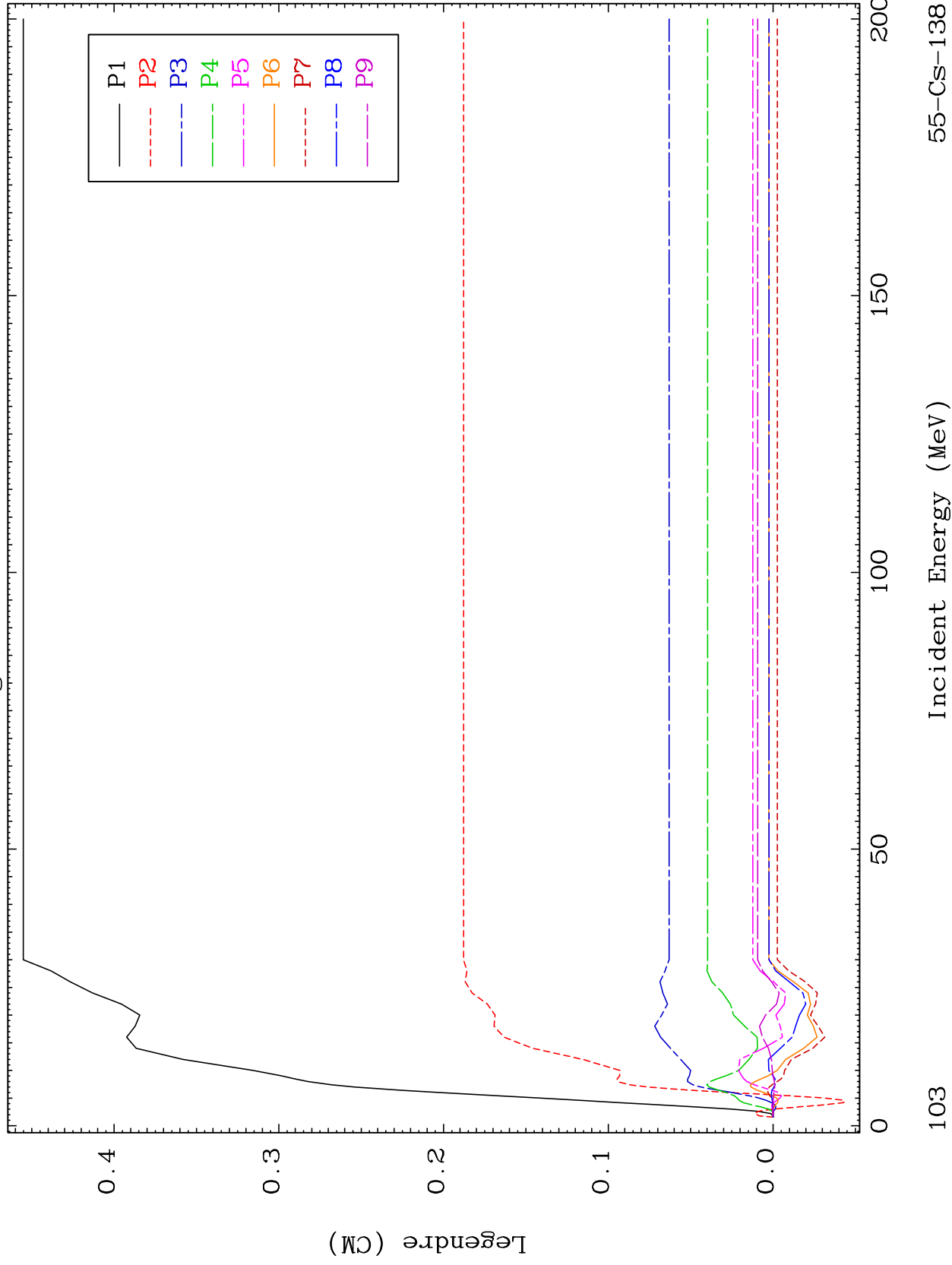
Incident Energy (MeV)

55-Cs-138

MAT 5540

MT= 76 (n,n') Level  
Legendre Coefficients

55-Cs-138



55-Cs-138

Incident Energy (MeV)

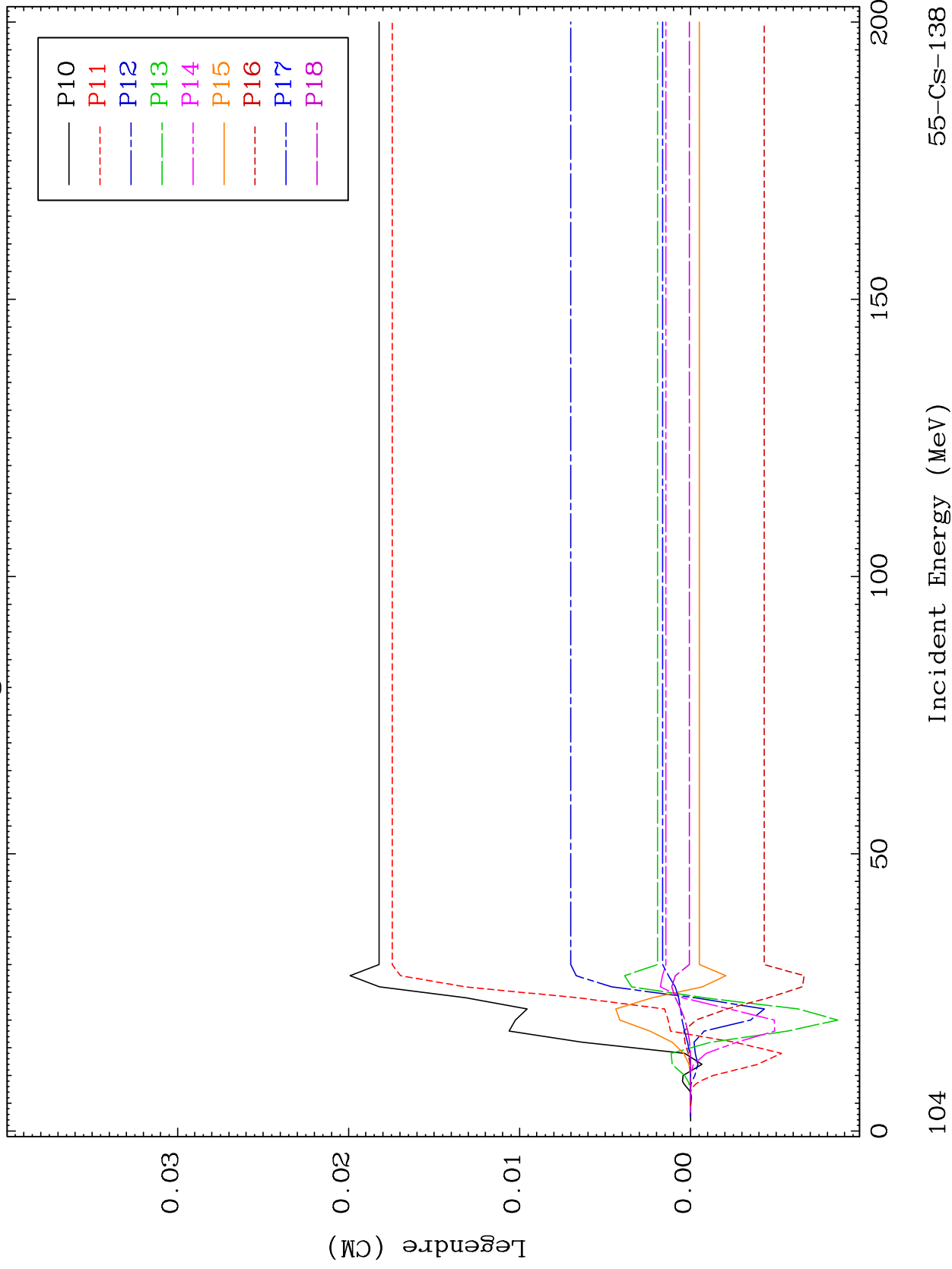
103



MAT 5540

MT= 76 (n,n') Level  
Legendre Coefficients

55-Cs-138



55-Cs-138

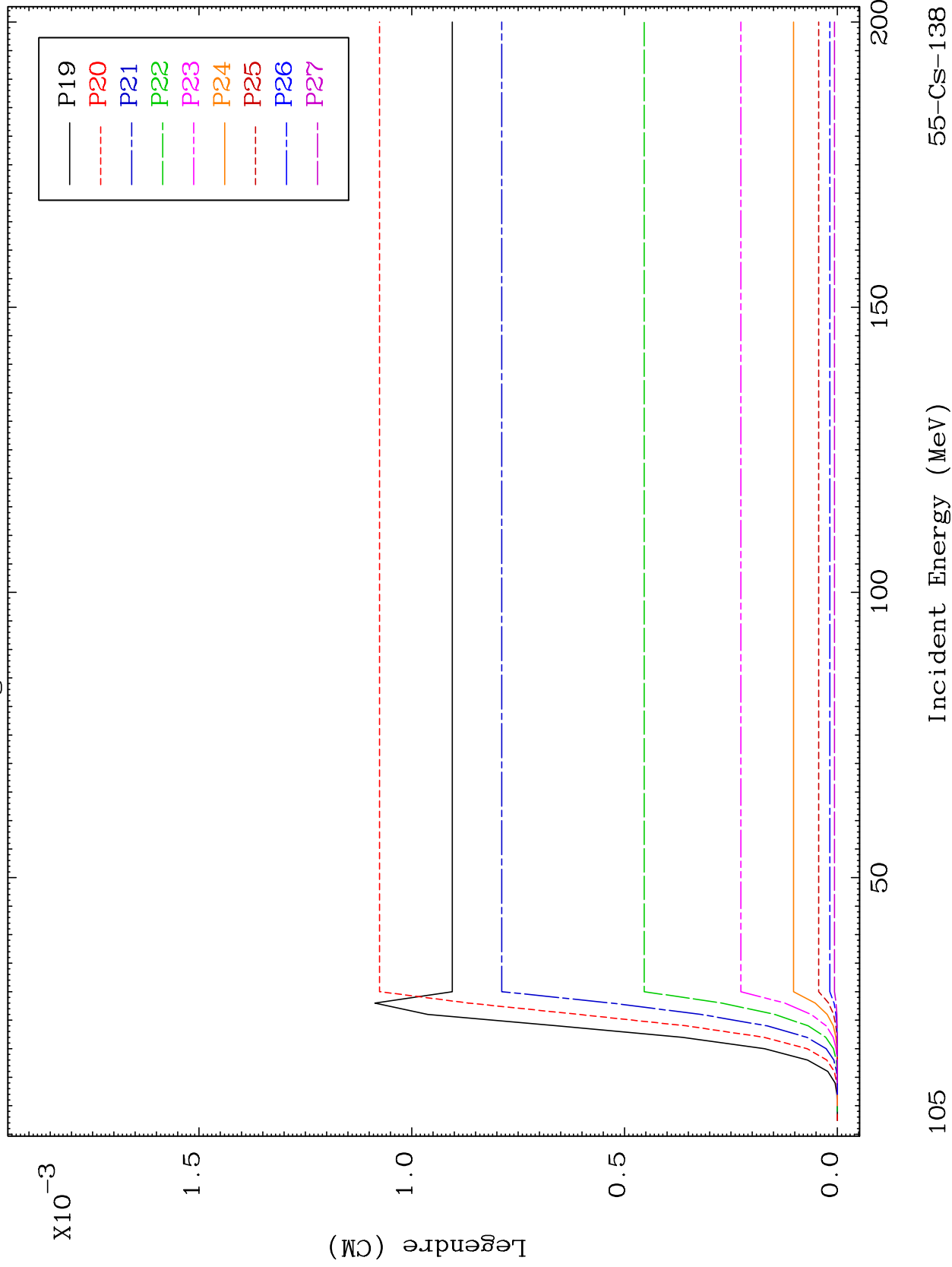
Incident Energy (MeV)

104

MAT 5540

MT= 76 (n,n') Level  
Legendre Coefficients

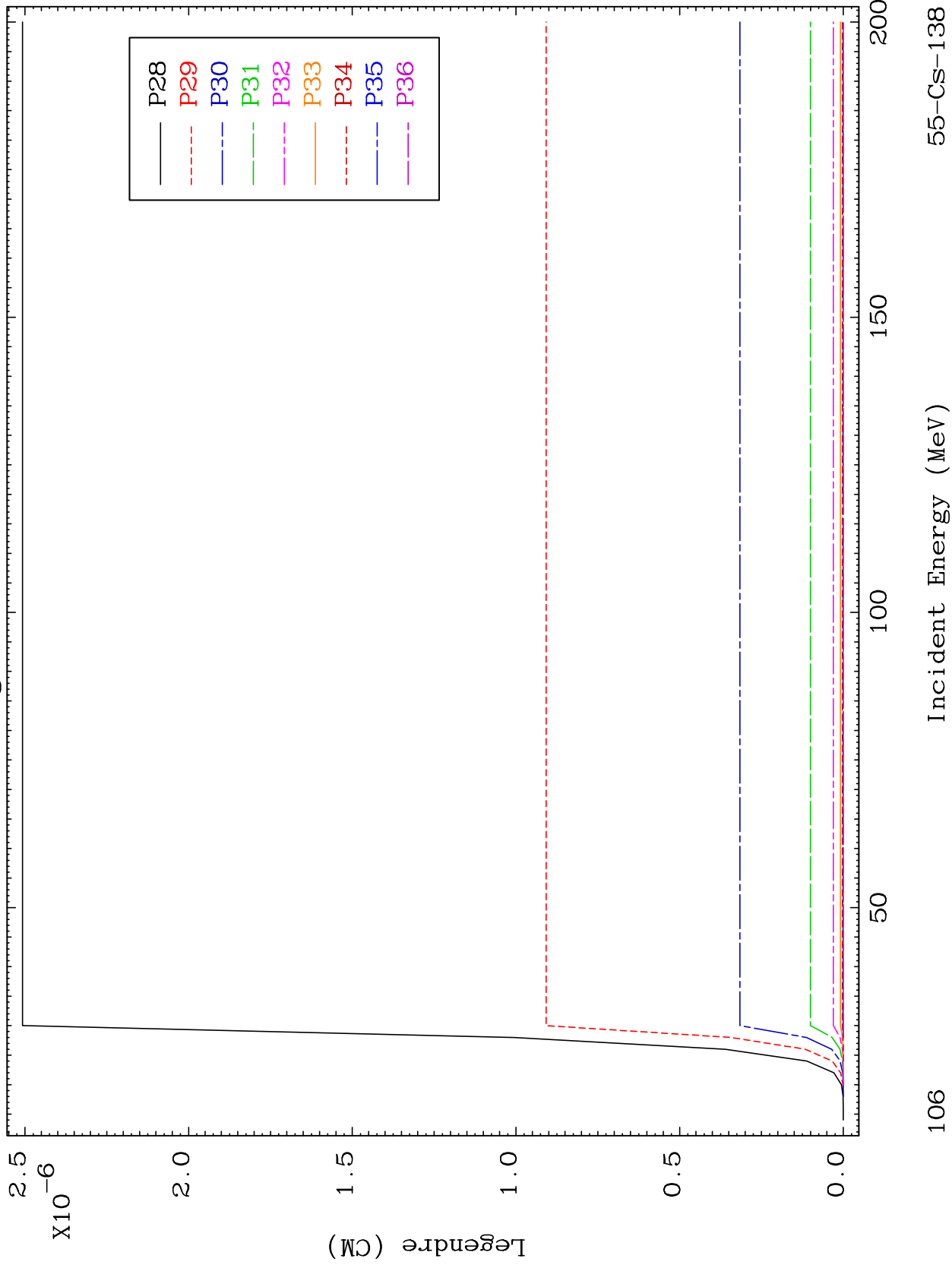
55-Cs-138



MAT 5540

MT= 76 (n,n') Level  
Legendre Coefficients

55-Cs-138

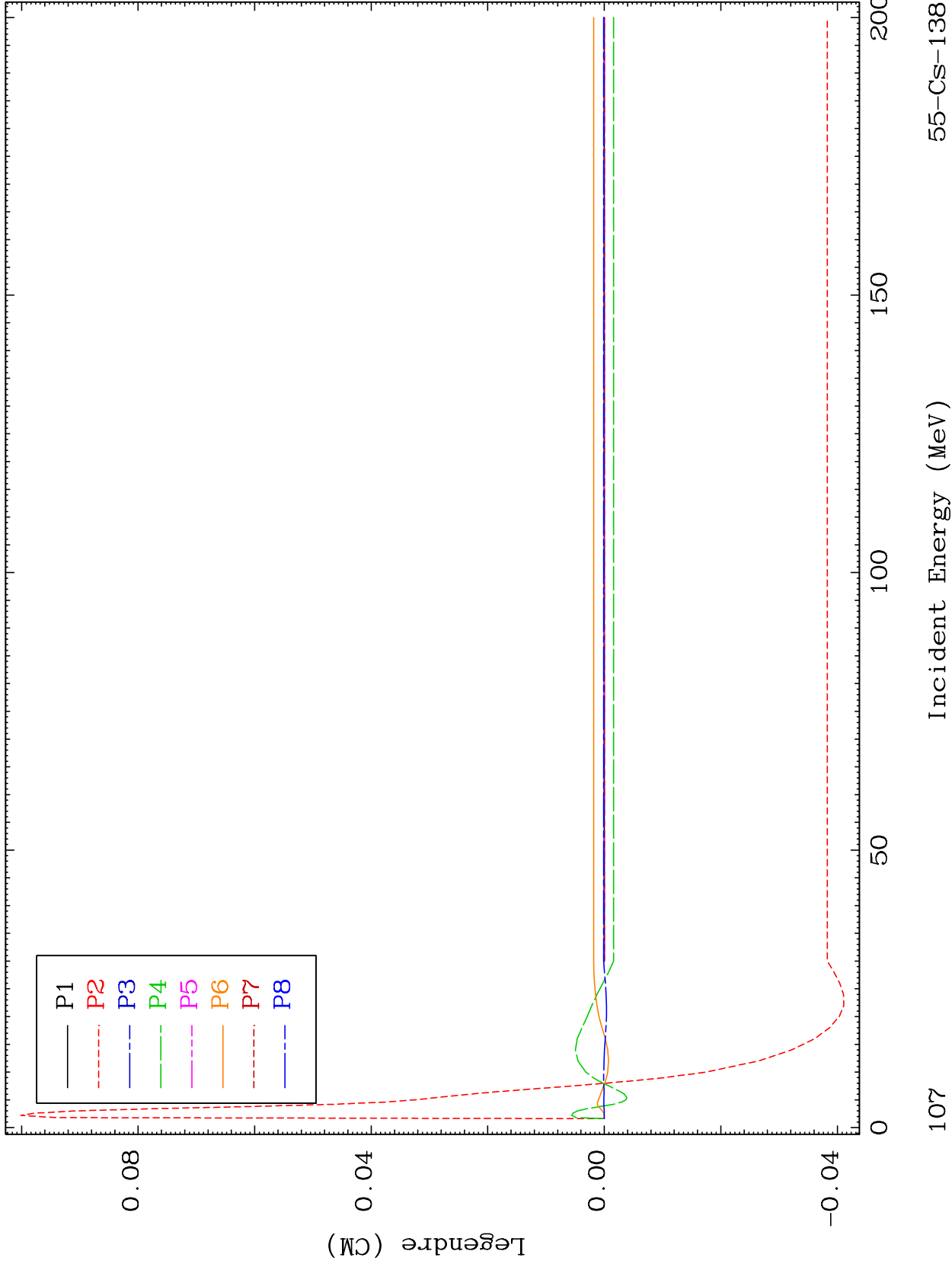


106

MAT 5540

MT= 77 (n,n') Level  
Legendre Coefficients

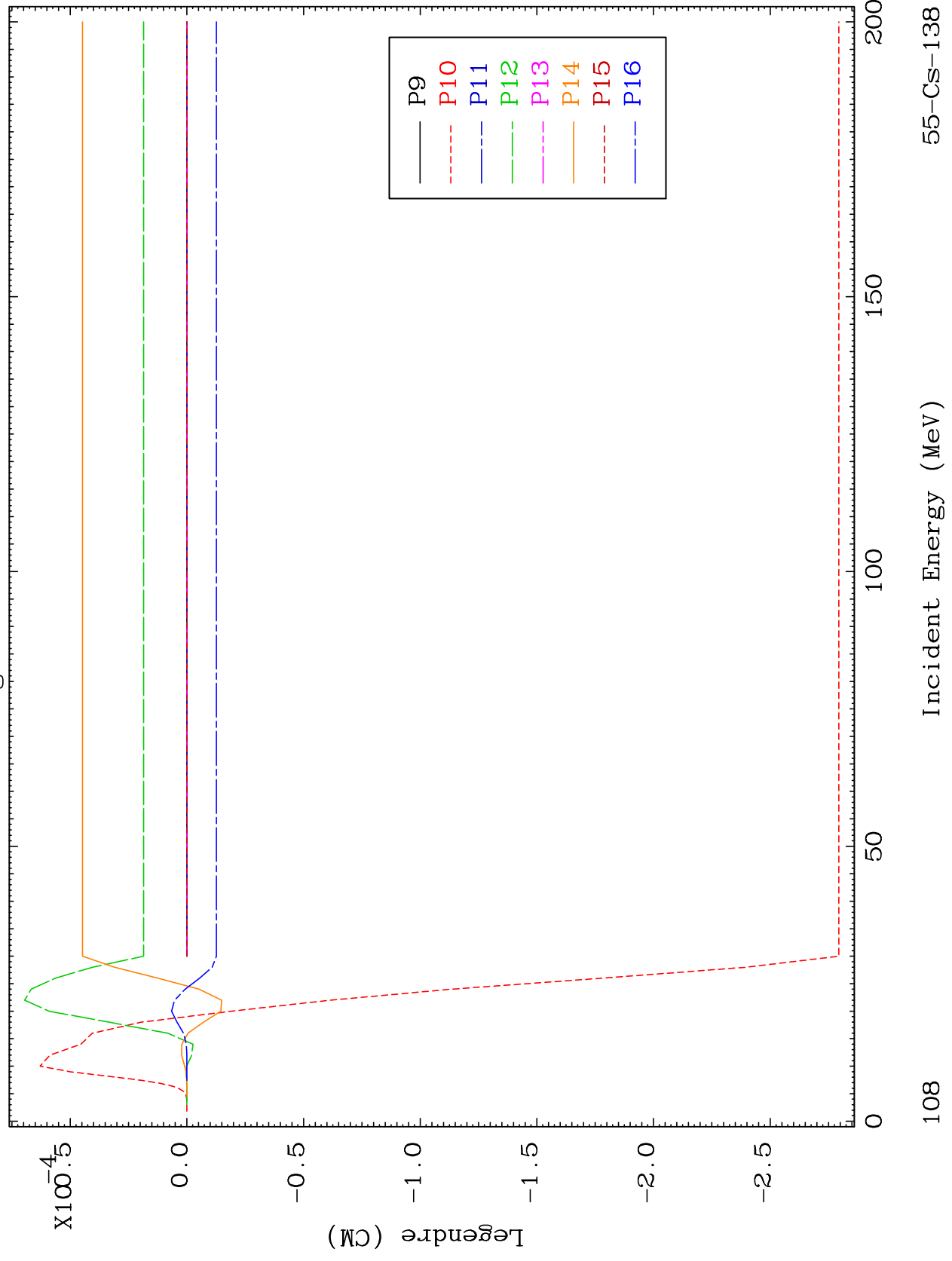
55-Cs-138



MAT 5540

MT= 77 (n,n') Level  
Legendre Coefficients

55-Cs-138



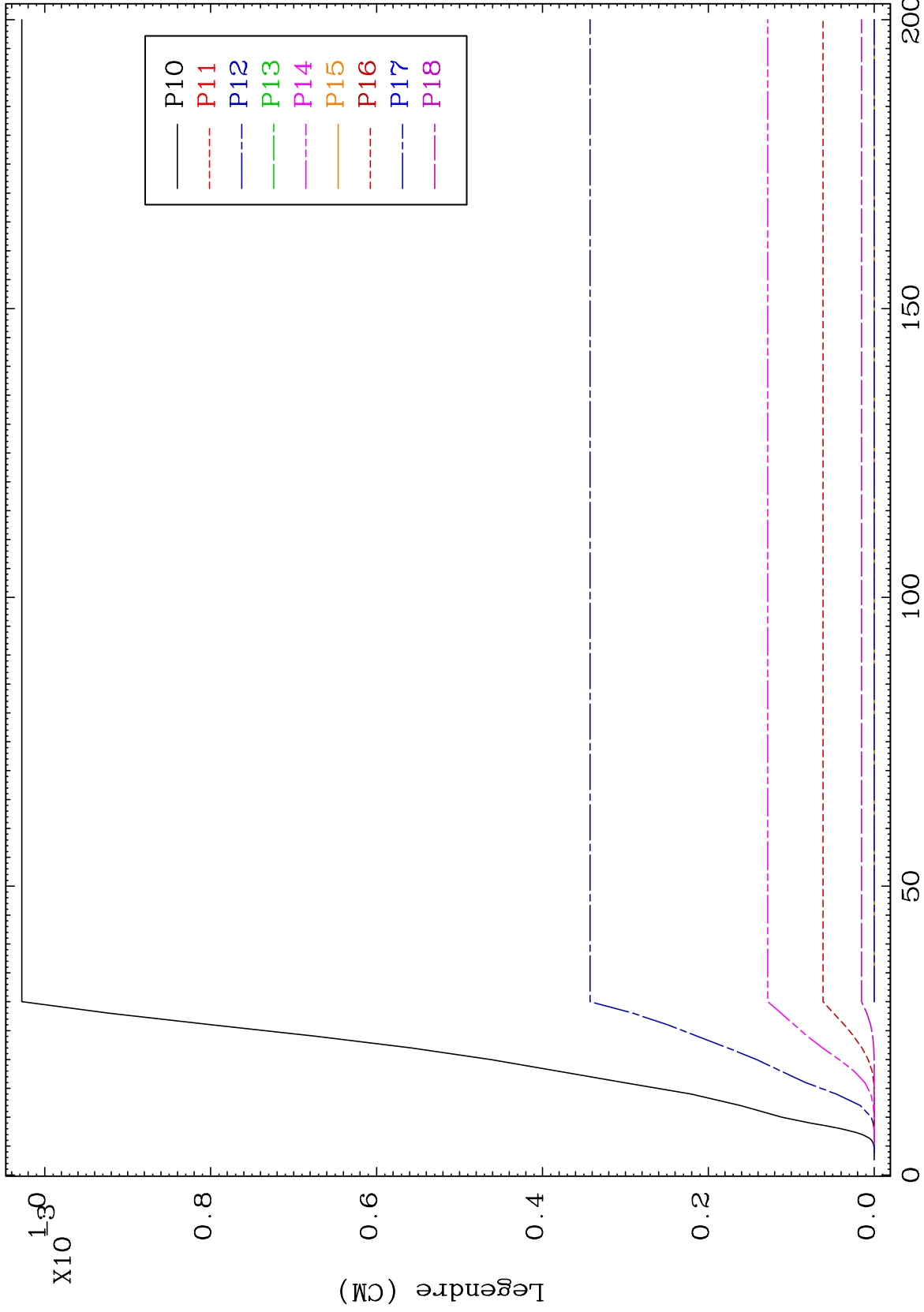
55-Cs-138

Incident Energy (MeV)

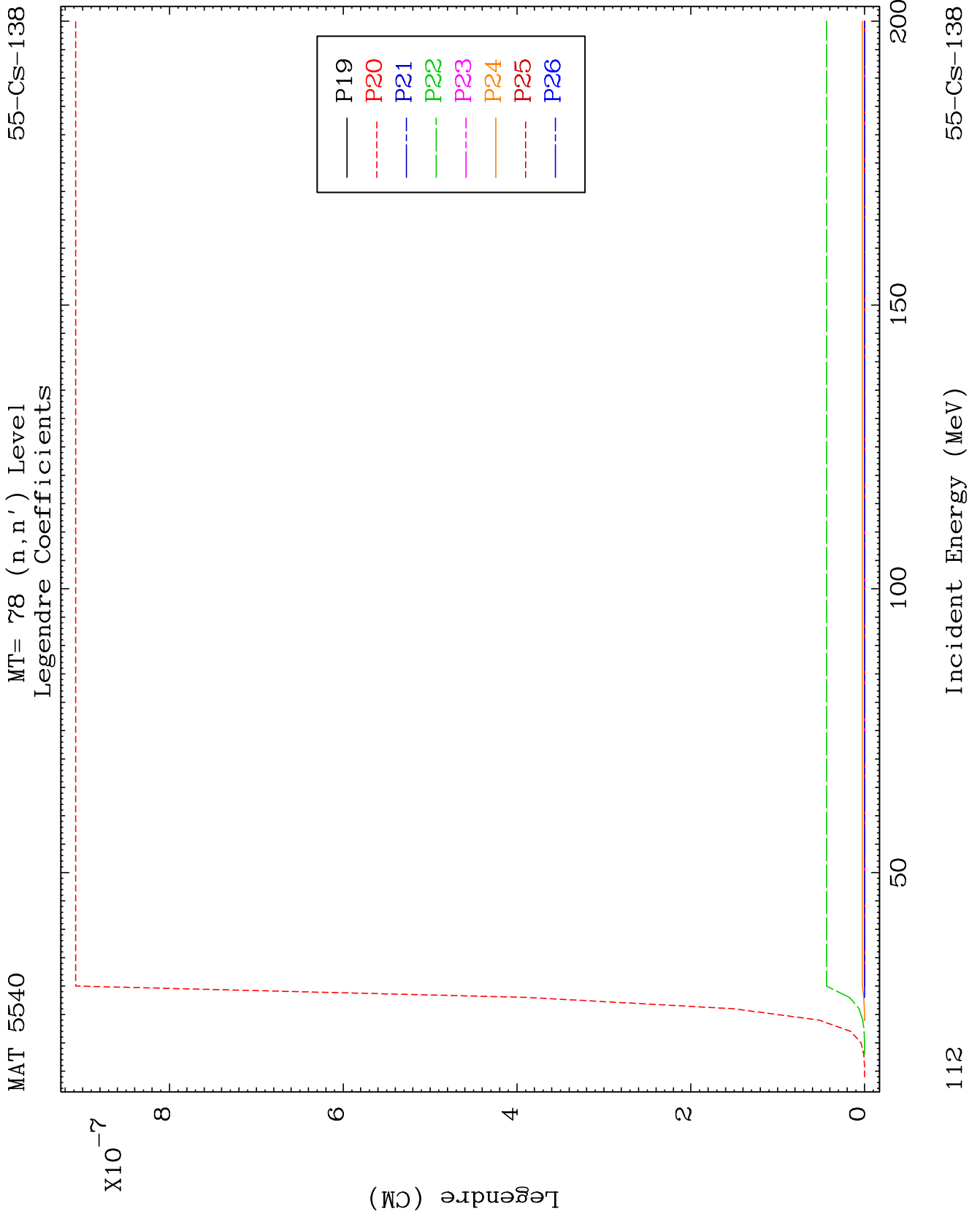
108







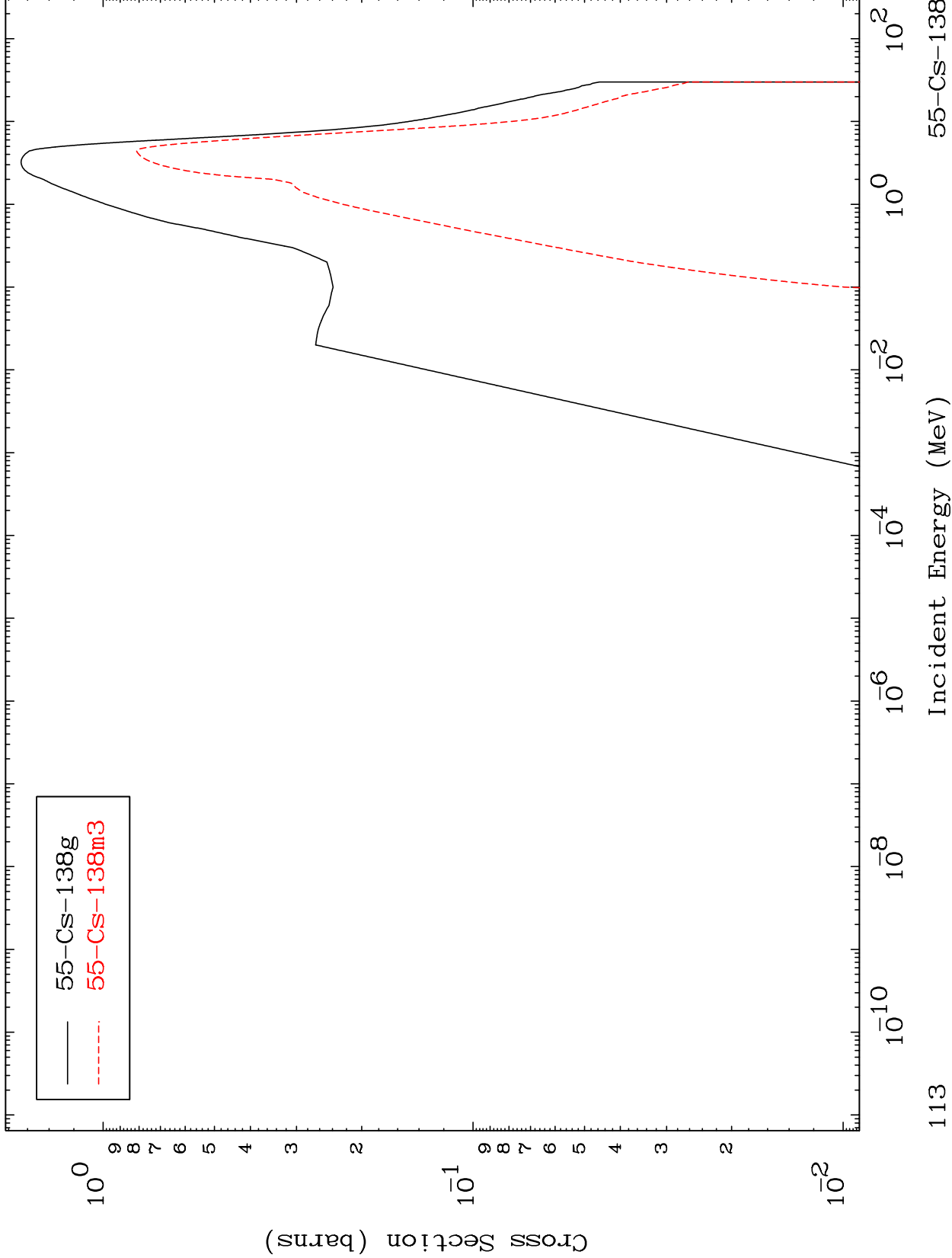




MAT 5540

Inelastic  
Radionuclide Production Cross Section

55-Cs-138



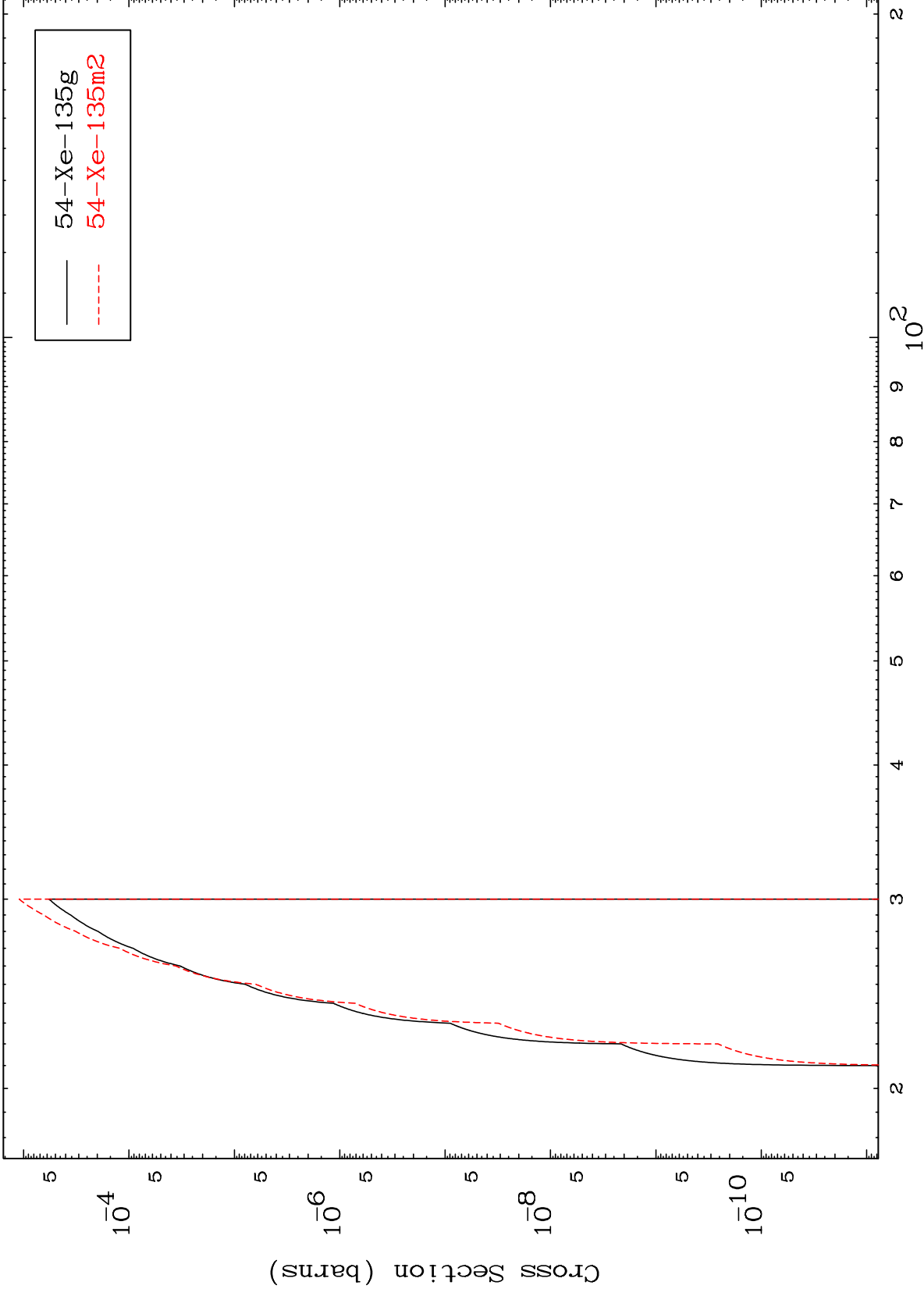
— 55-Cs-138g  
- - - 55-Cs-138m3

MAT 5540

(n,2n) d

55-Cs-138

Radionuclide Production Cross Section



54-Xe-135g  
54-Xe-135m2

114

Incident Energy (MeV)

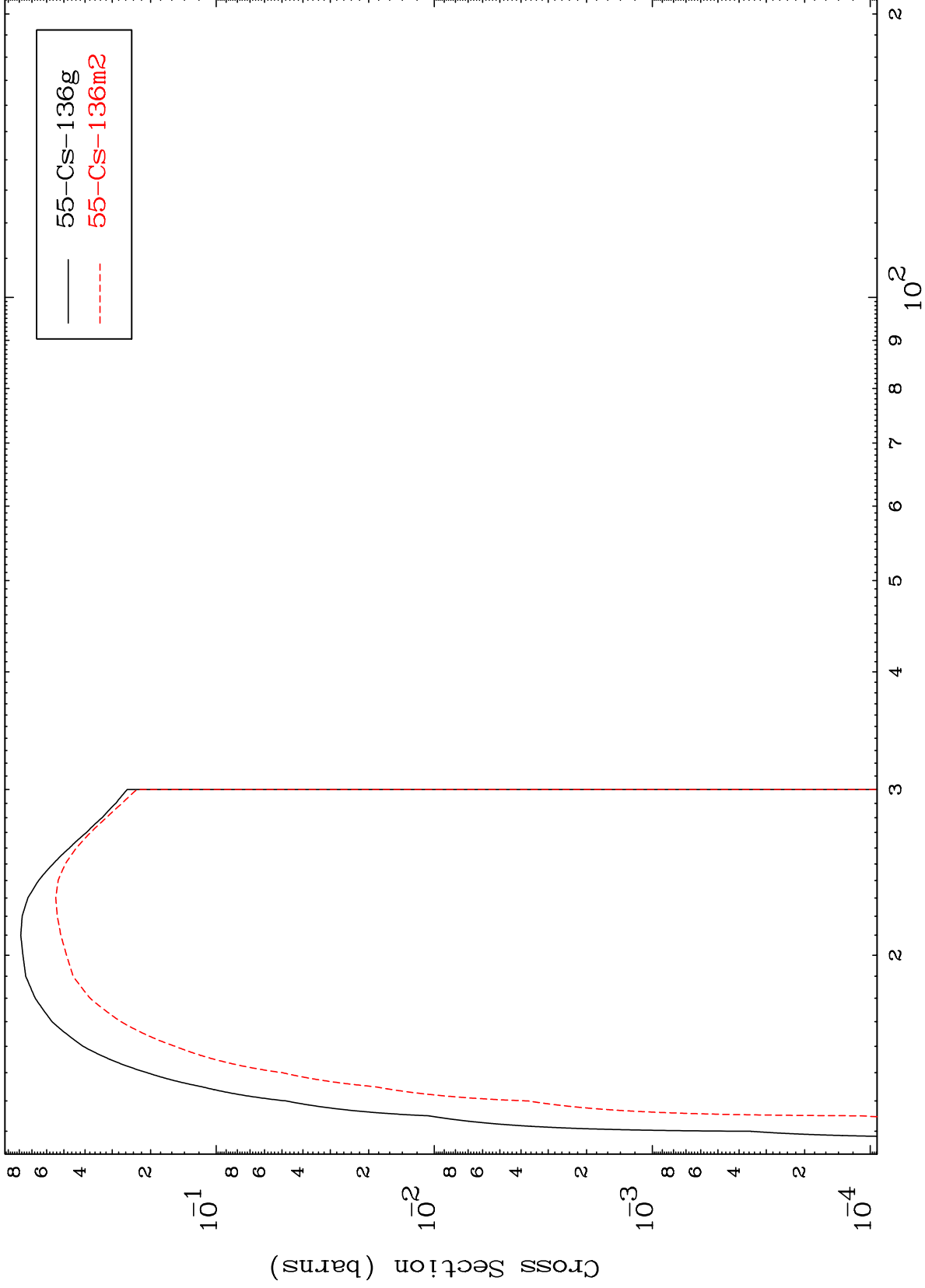
55-Cs-138

MAT 5540

(n,3n)

55-Cs-138

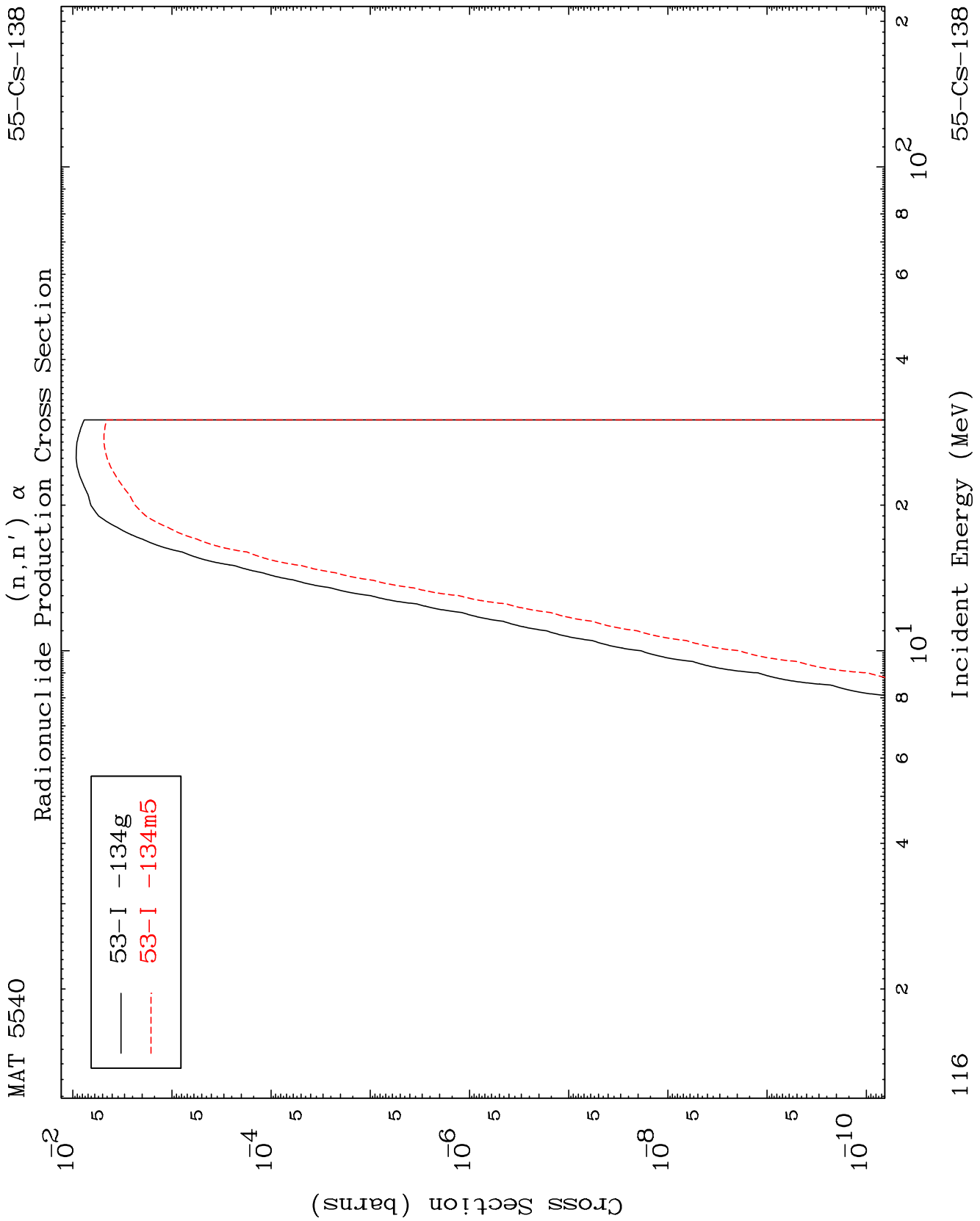
Radionuclide Production Cross Section



115

Incident Energy (MeV)

55-Cs-138

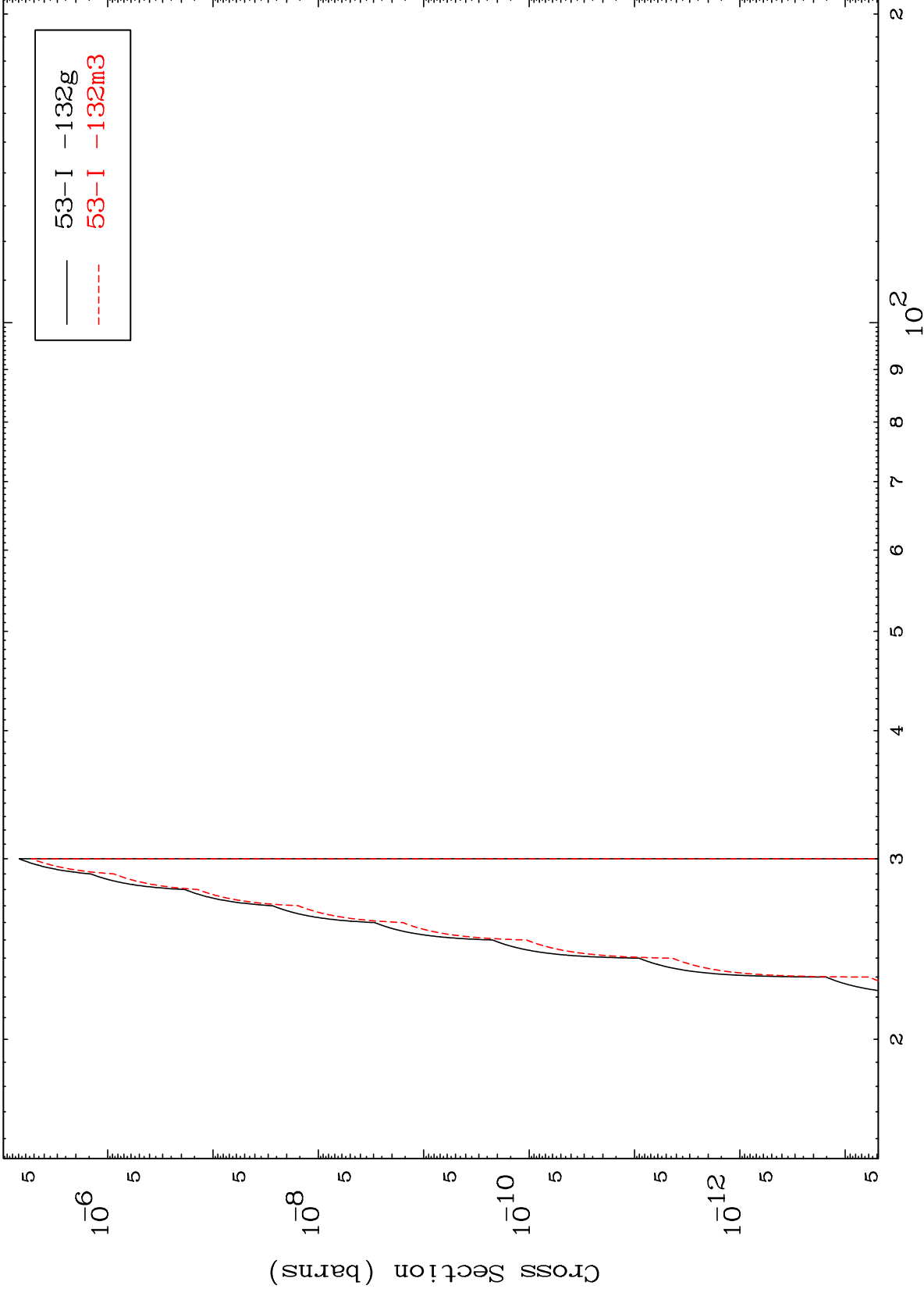


MAT 5540

(n,3n)  $\alpha$

55-Cs-138

Radionuclide Production Cross Section



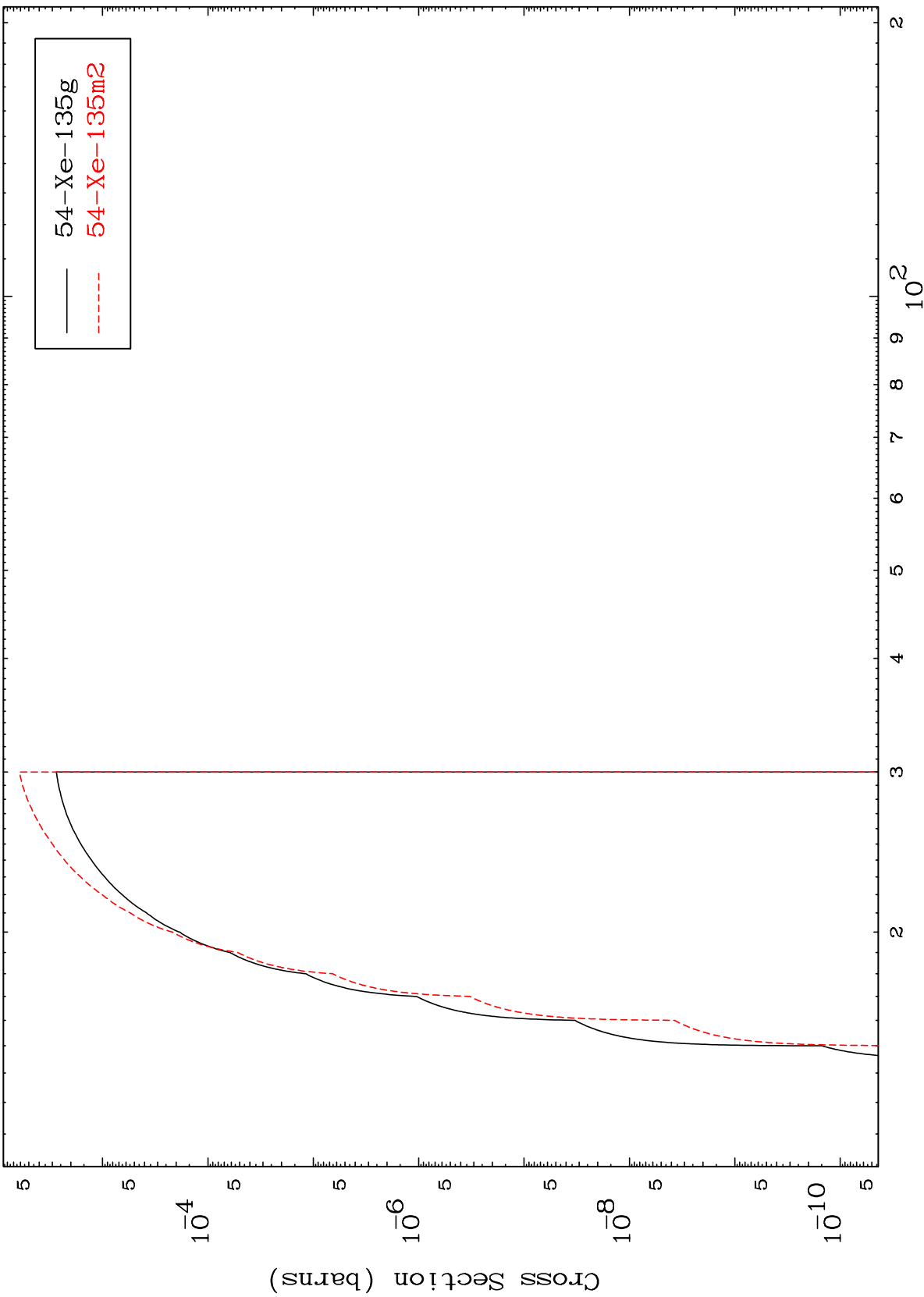
53-I - 132g  
53-I - 132m3

117

Incident Energy (MeV)

55-Cs-138

Radionuclide Production Cross Section

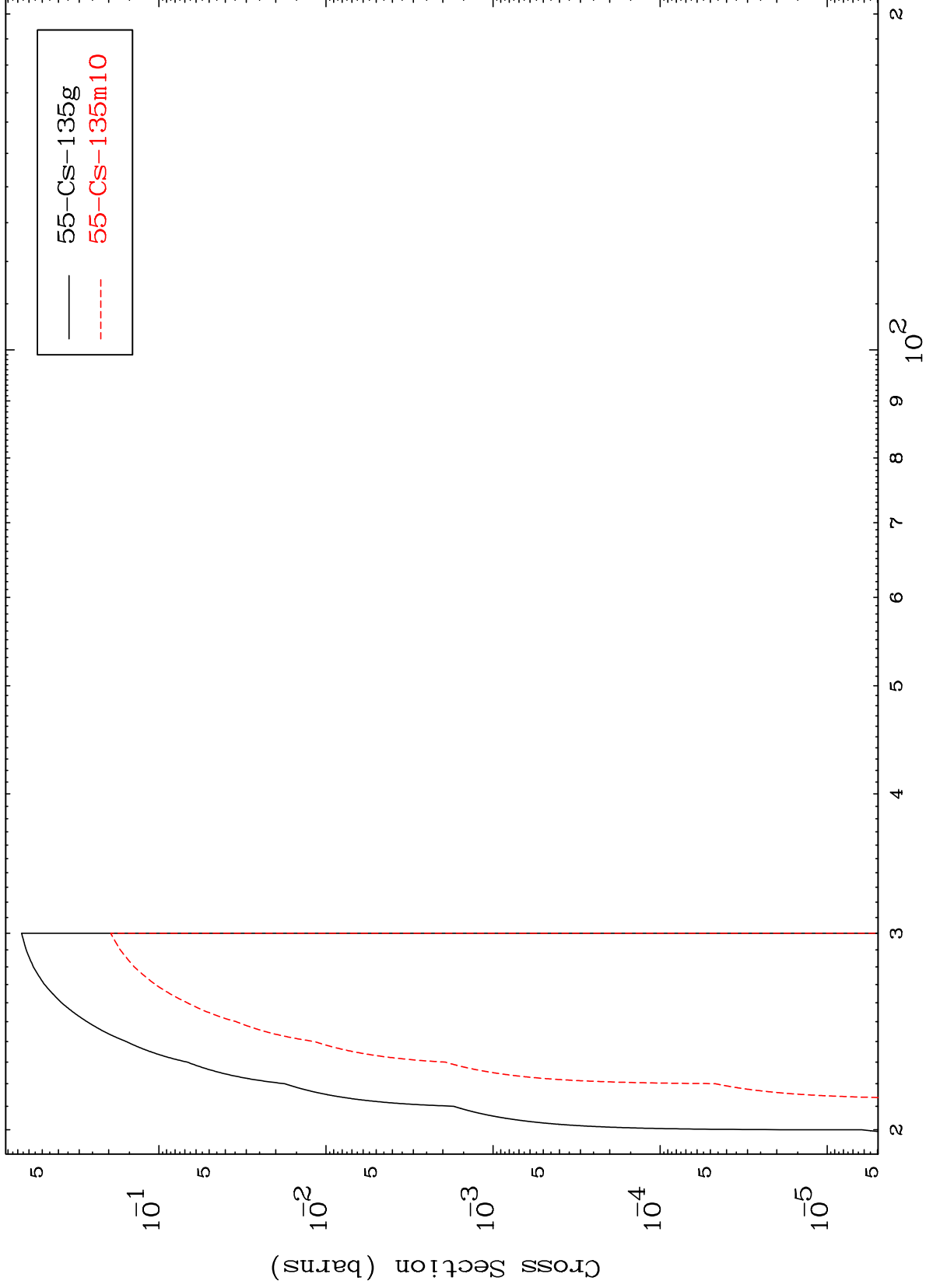


MAT 5540

(n,4n)

55-Cs-138

Radionuclide Production Cross Section



119

Incident Energy (MeV)

55-Cs-138

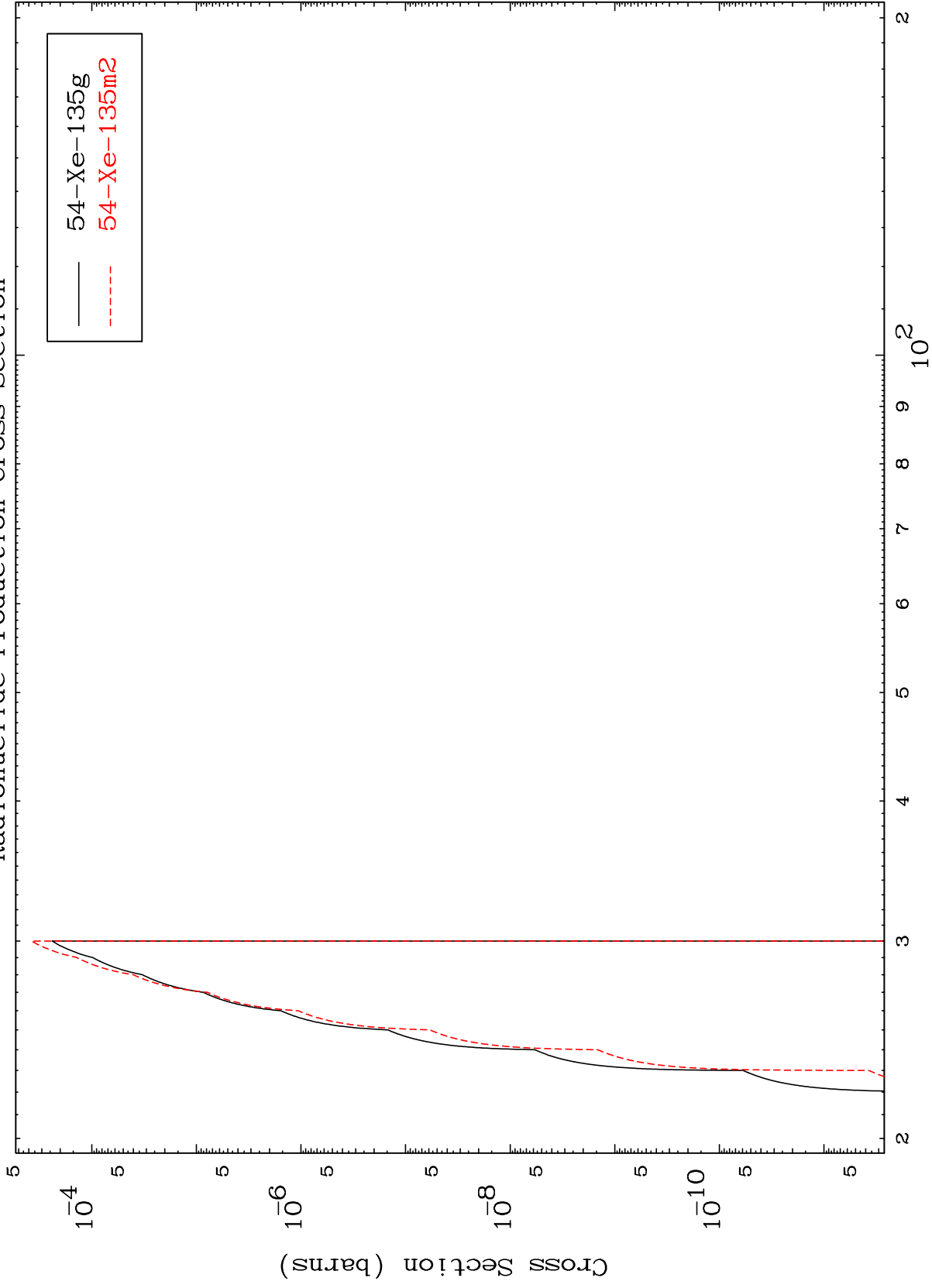


MAT 5540

(n,3n) p

55-Cs-138

Radionuclide Production Cross Section



120

Incident Energy (MeV)

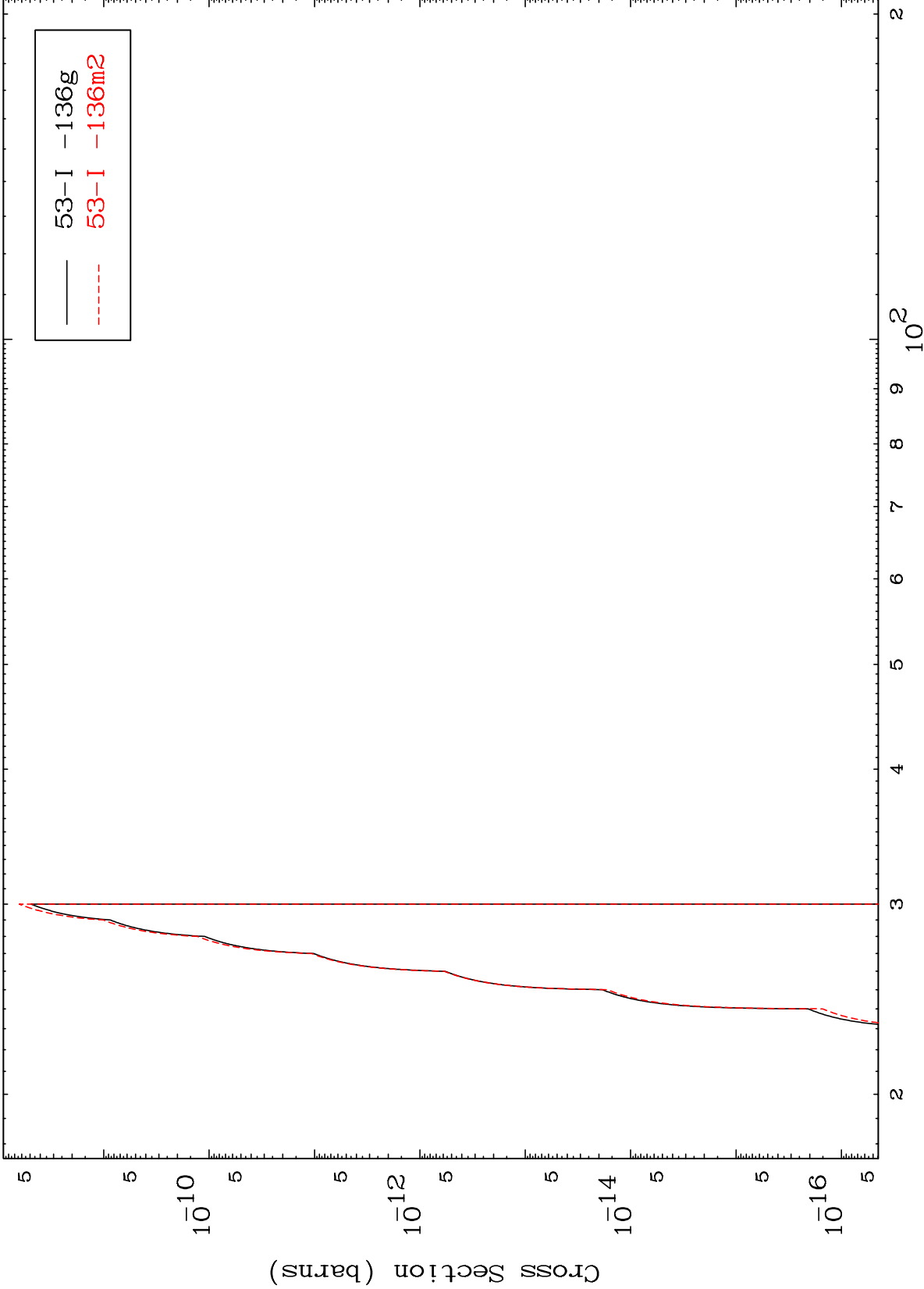
55-Cs-138

MAT 5540

(n,2n) p

55-Cs-138

Radionuclide Production Cross Section



53-I - 136g  
53-I - 136m2

121

Incident Energy (MeV)

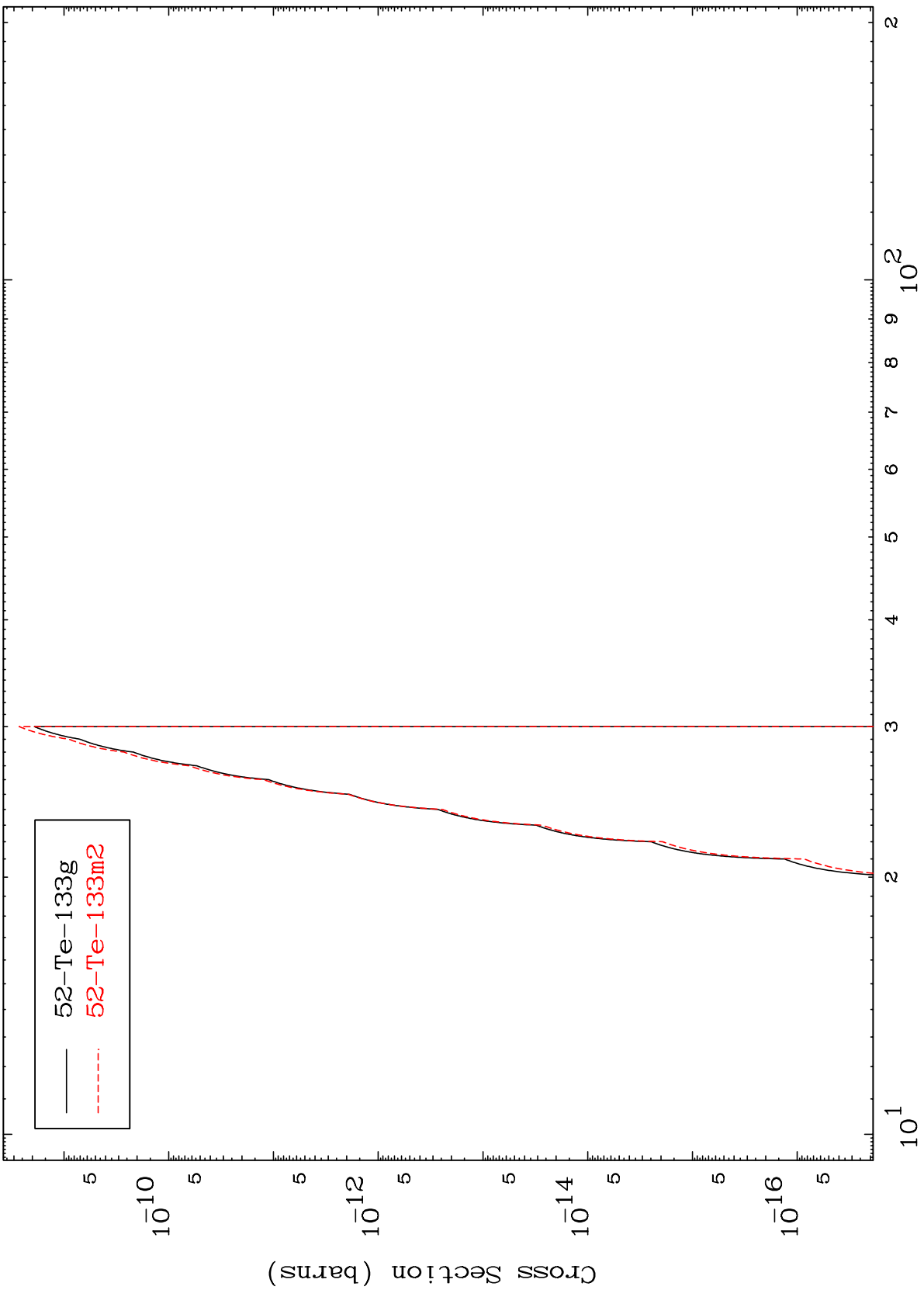
55-Cs-138

MAT 5540

(n,n') p  $\alpha$

55-Cs-138

Radionuclide Production Cross Section



Incident Energy (MeV)

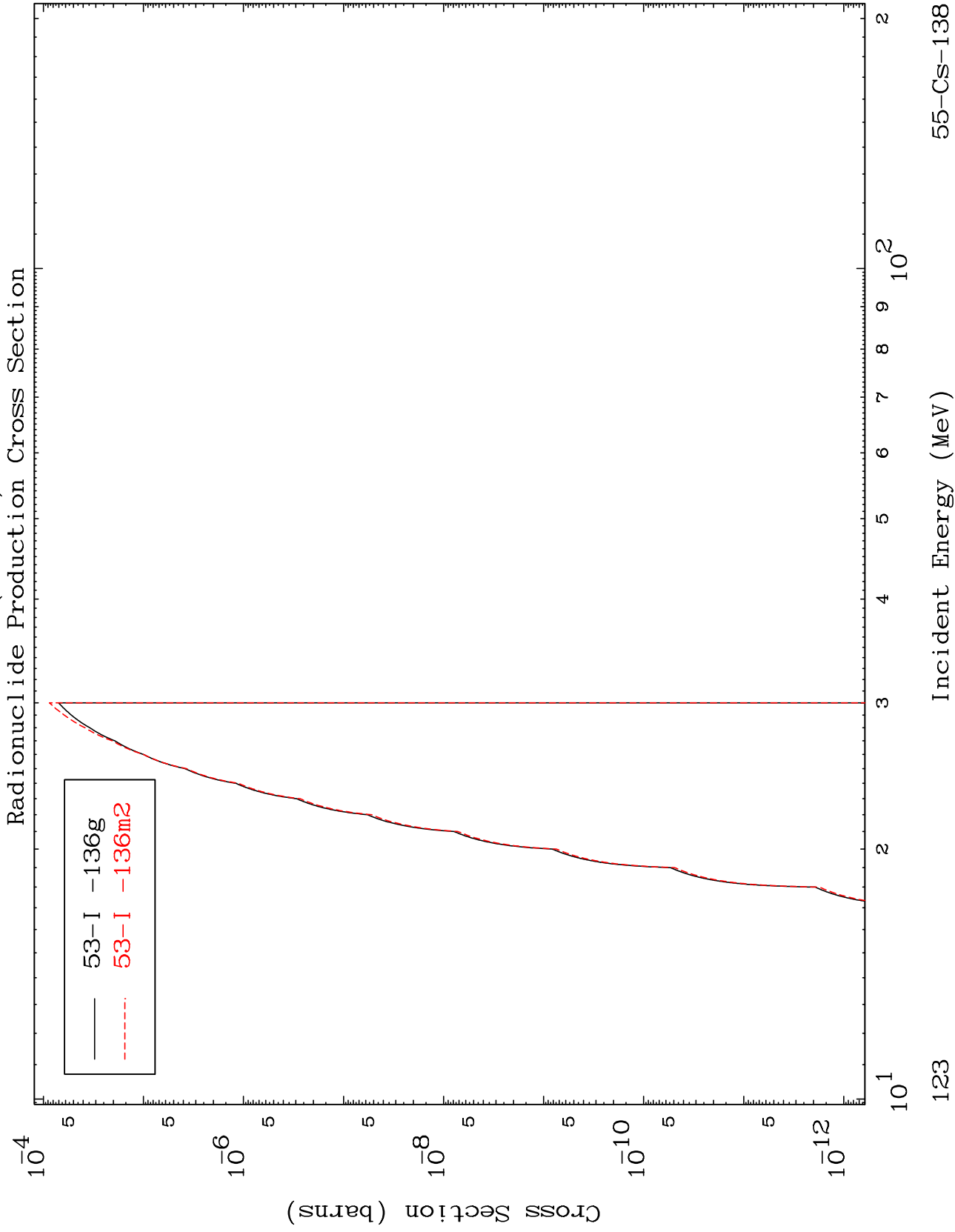
55-Cs-138

122

MAT 5540

(n,He-3)

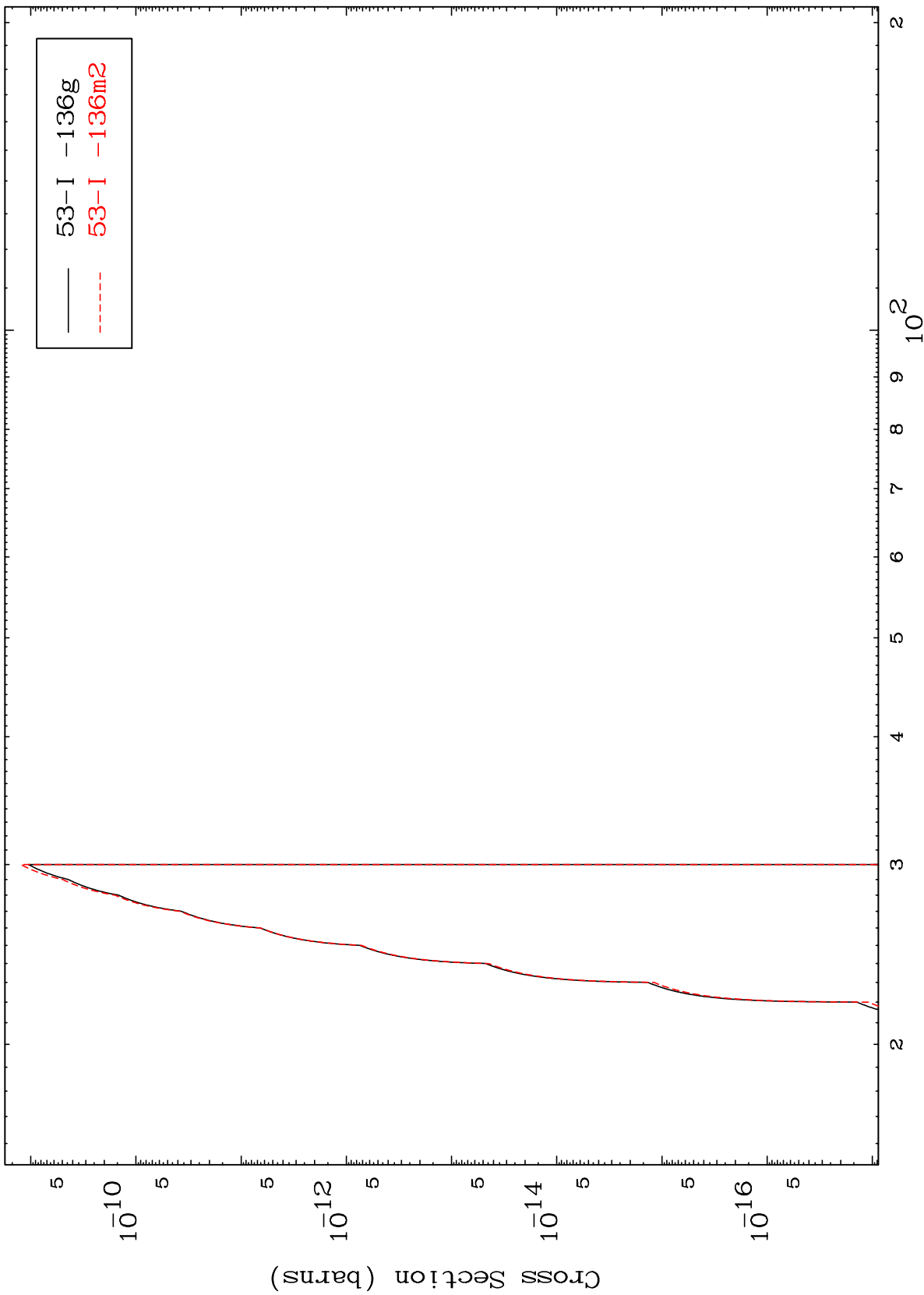
55-Cs-138



123

55-Cs-138

Radionuclide Production Cross Section

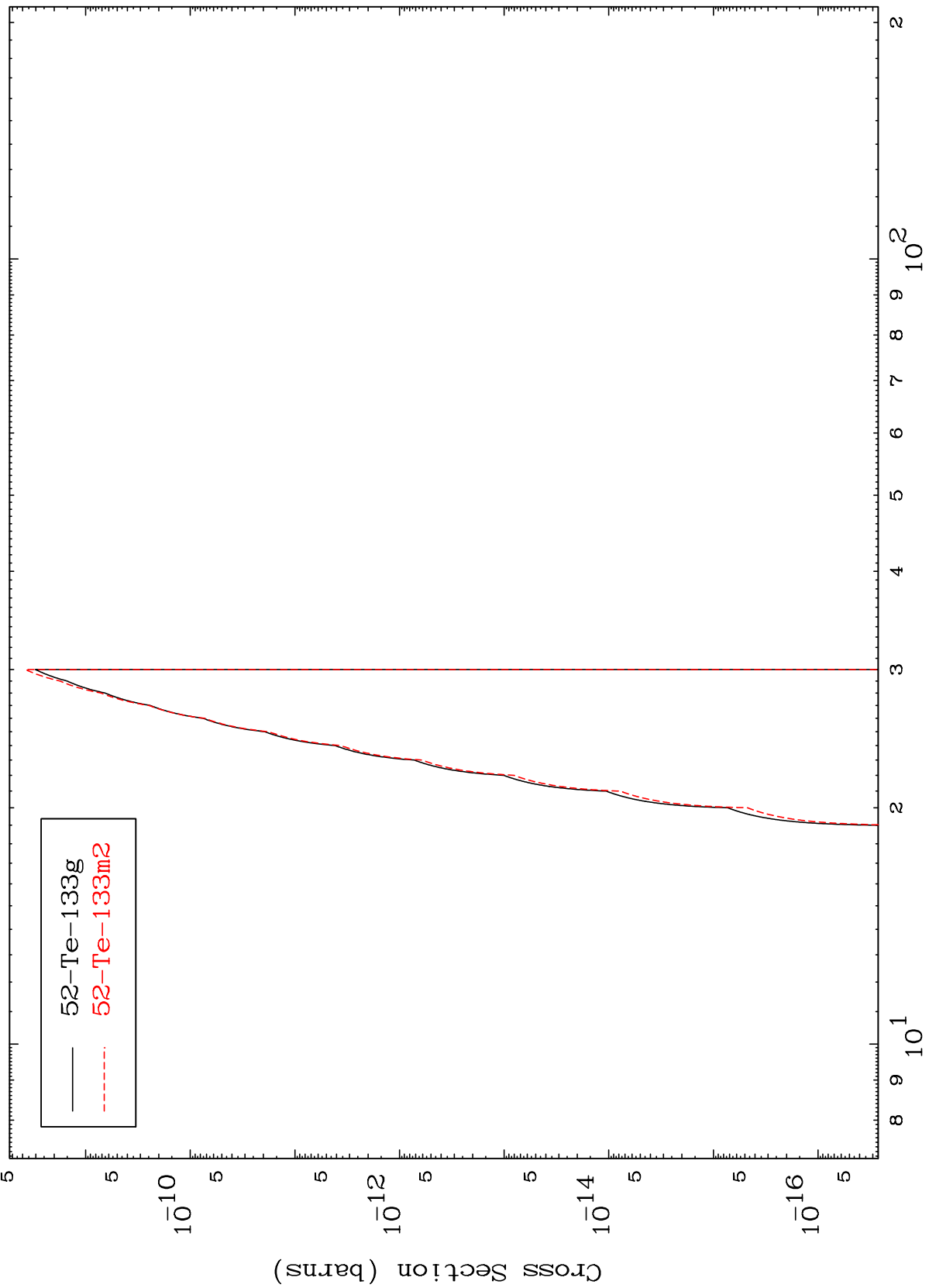


MAT 5540

(n,d)  $\alpha$

55-Cs-138

Radionuclide Production Cross Section



52-Te-133g  
52-Te-133m2

125

Incident Energy (MeV)

55-Cs-138