

Program EVALPLOT
(Version 2018-1)

by

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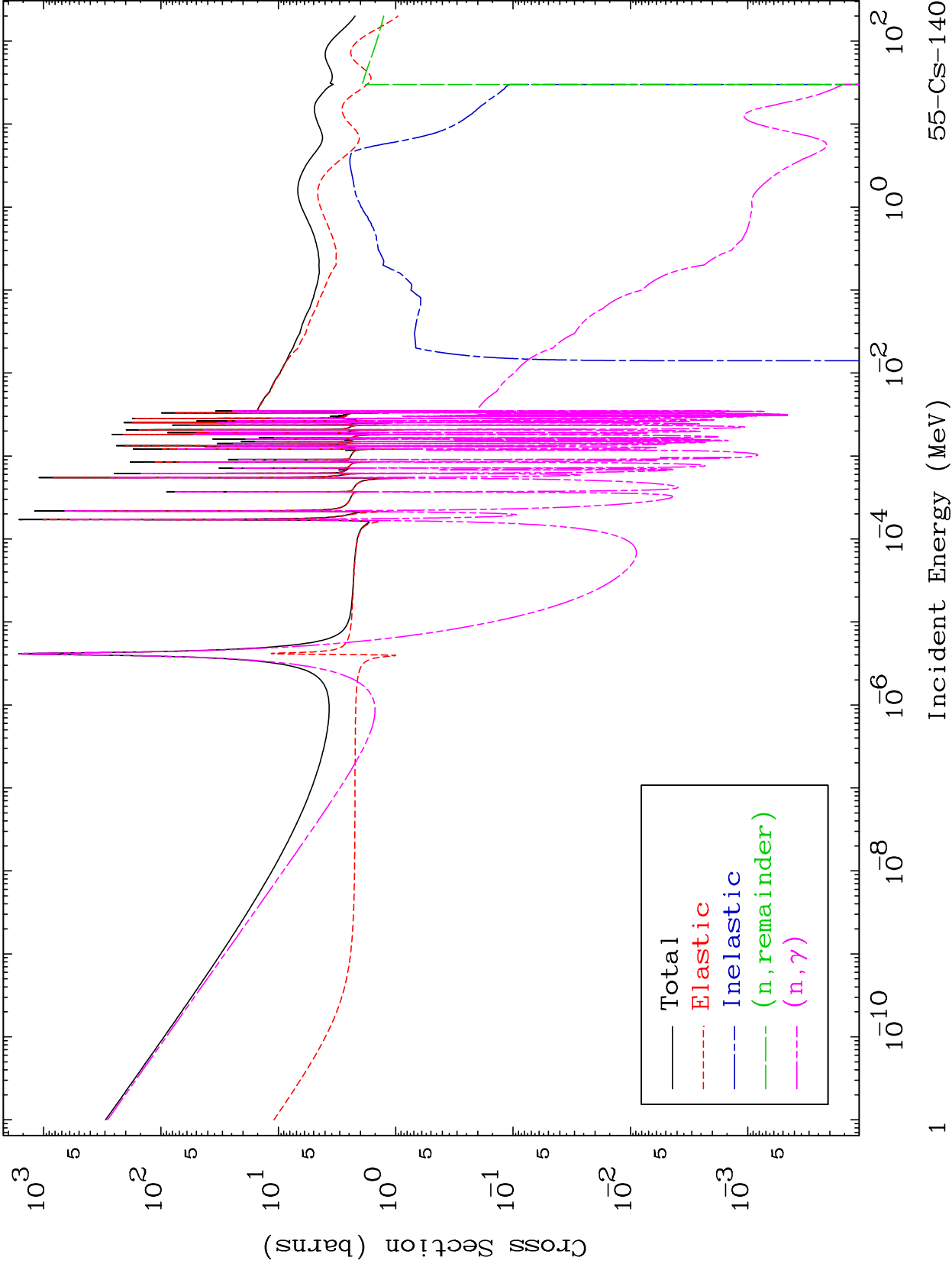
Press Mouse Button to Start

MAT 5546

Major

293 Kelvin Cross Sections

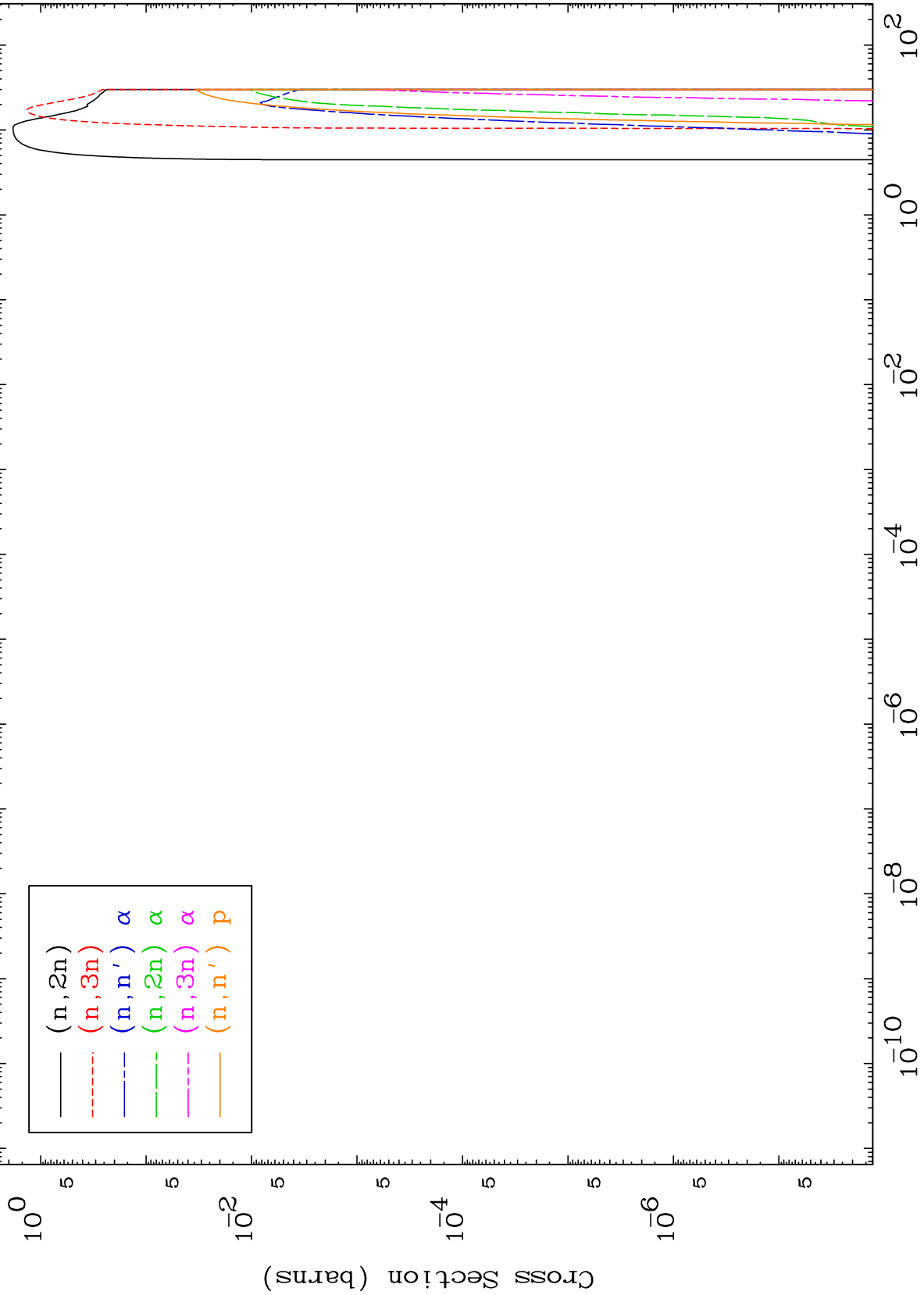
55-Cs-140



MAT 5546

Neutron Production
293 Kelvin Cross Sections

55-Cs-140



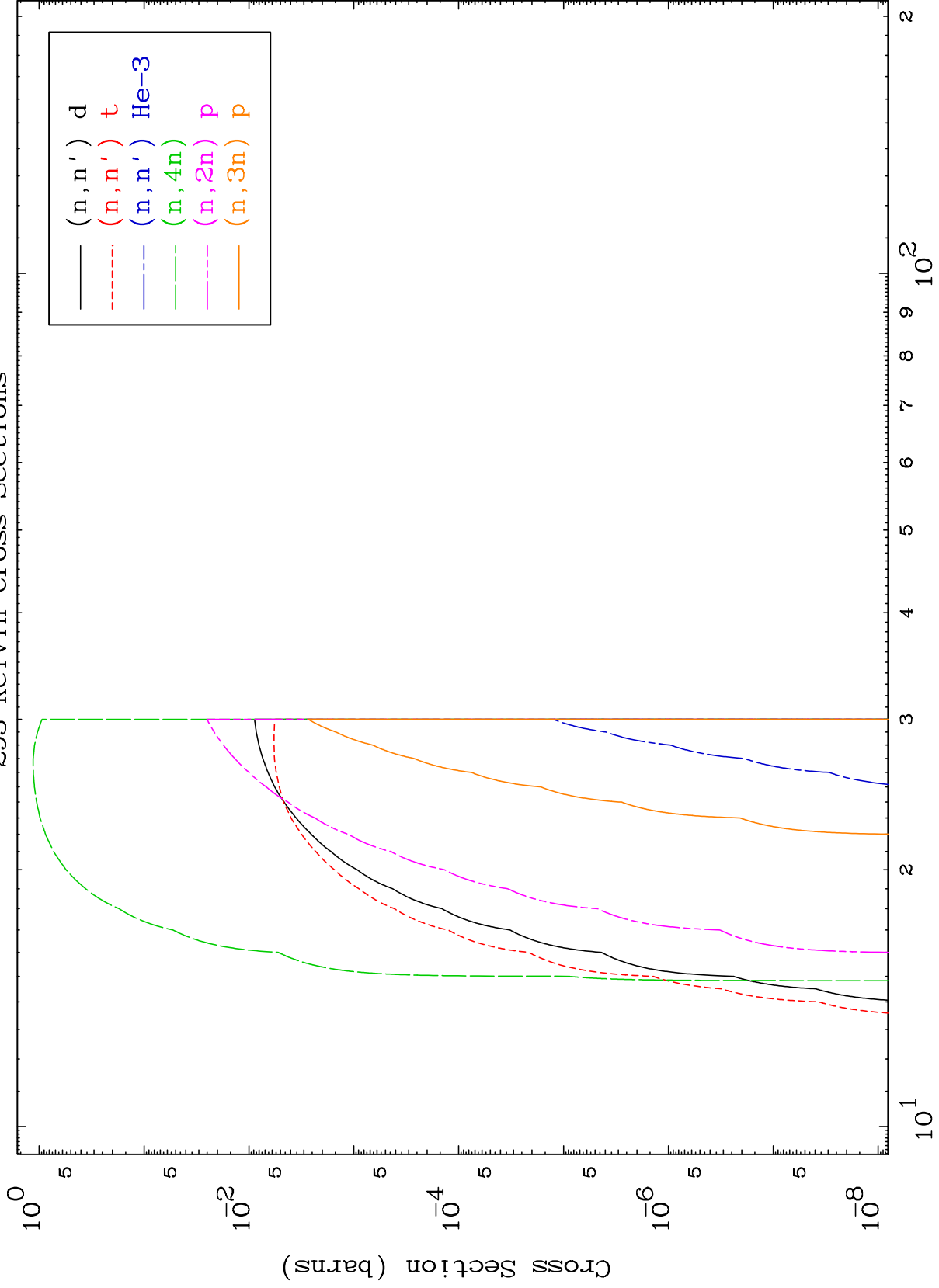
Incident Energy (MeV)

55-Cs-140

MAT 5546

Neutron Production
293 Kelvin Cross Sections

55-Cs-140



Incident Energy (MeV)

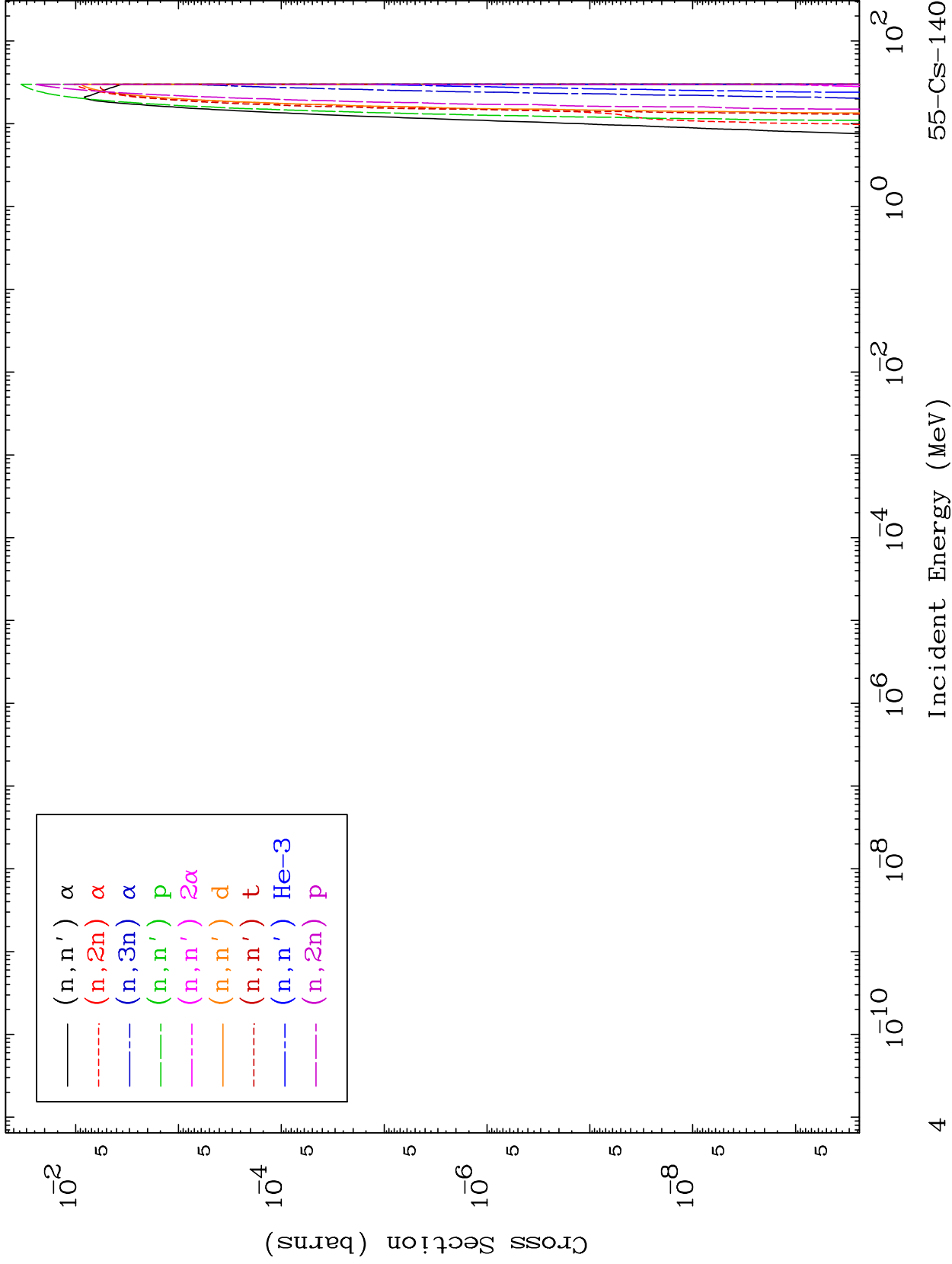
55-Cs-140

3

MAT 5546

Charged Particle
293 Kelvin Cross Sections

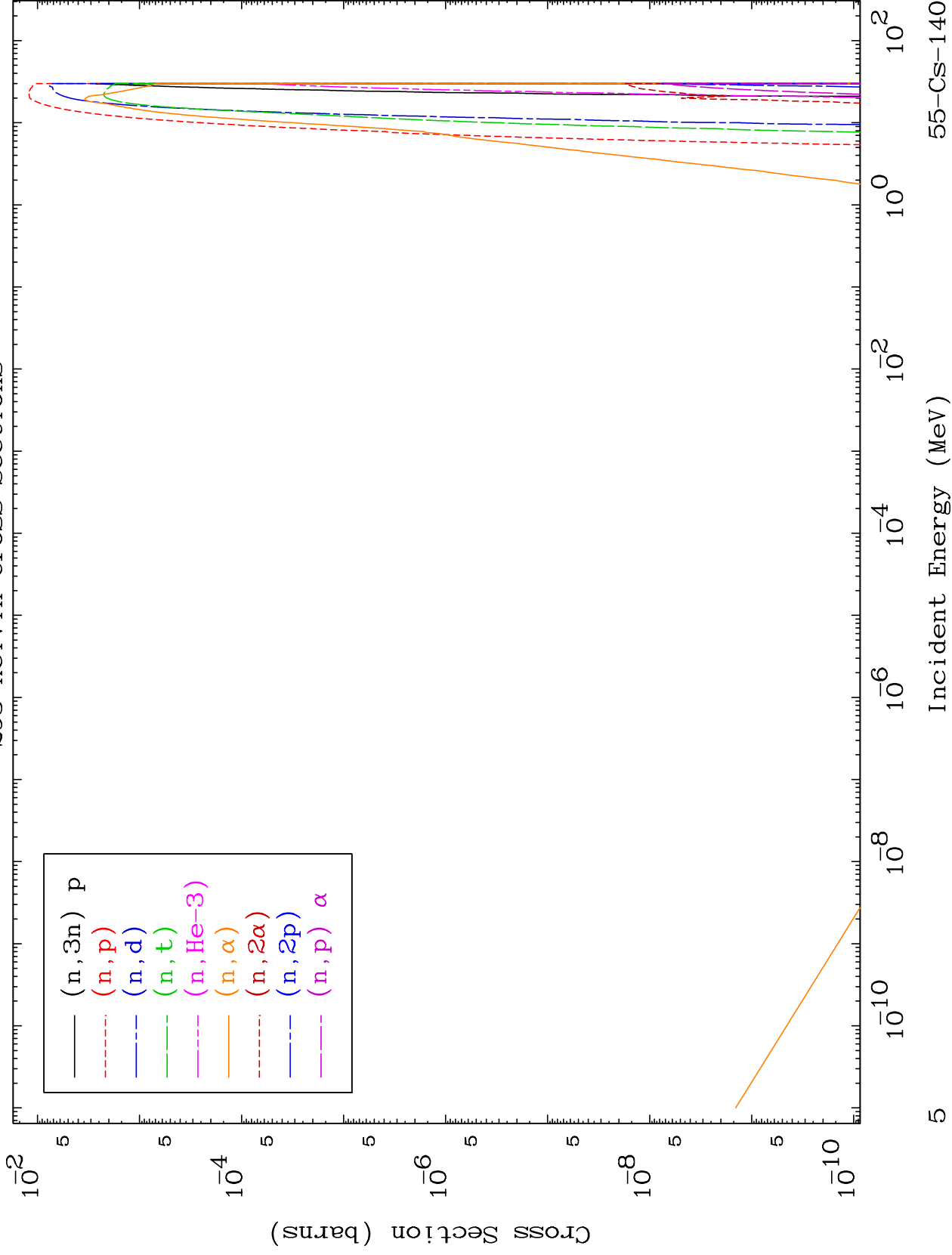
55-Cs-140



MAT 5546

Charged Particle
293 Kelvin Cross Sections

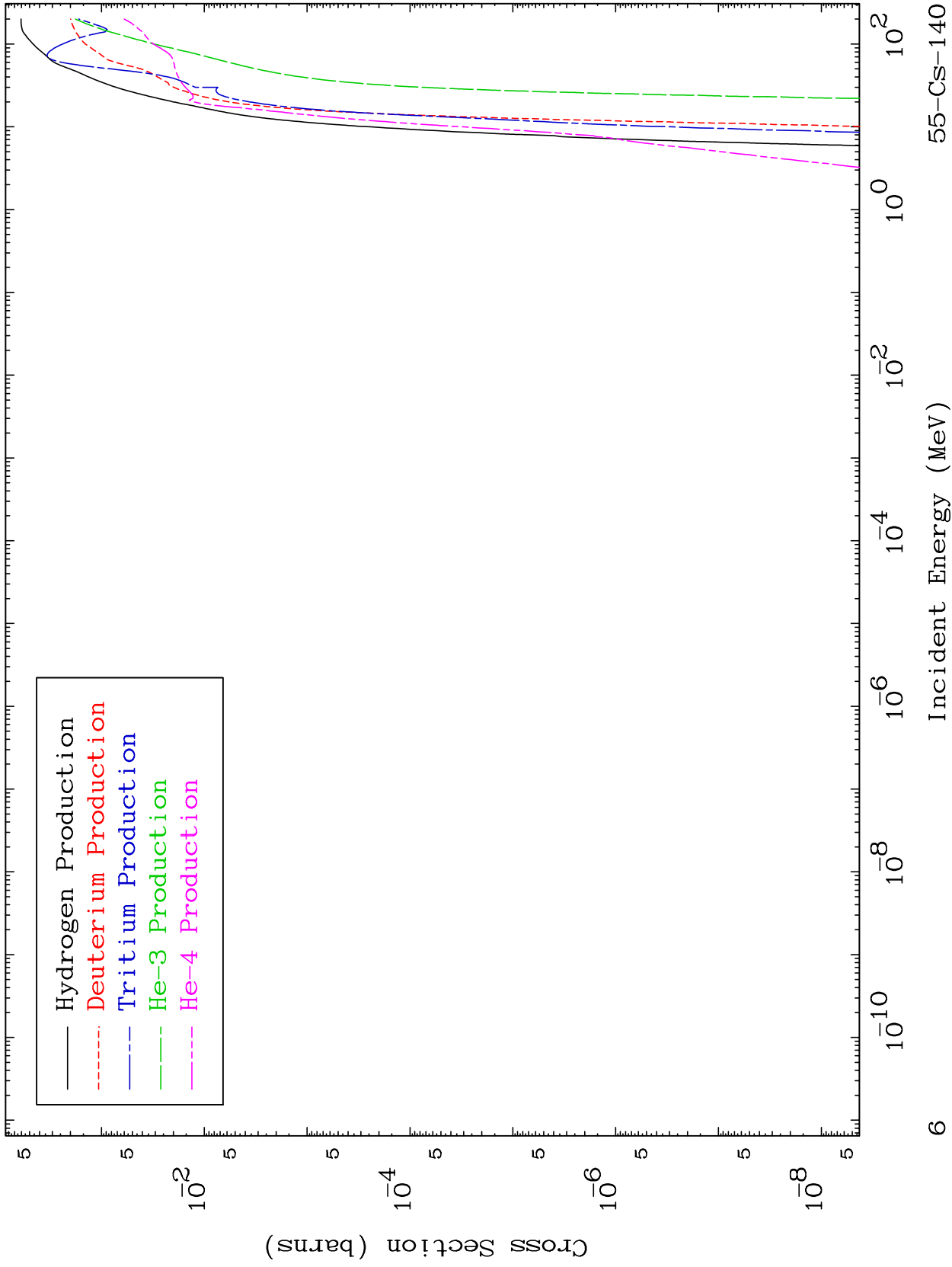
55-Cs-140



MAT 5546

Particle Production
293 Kelvin Cross Sections

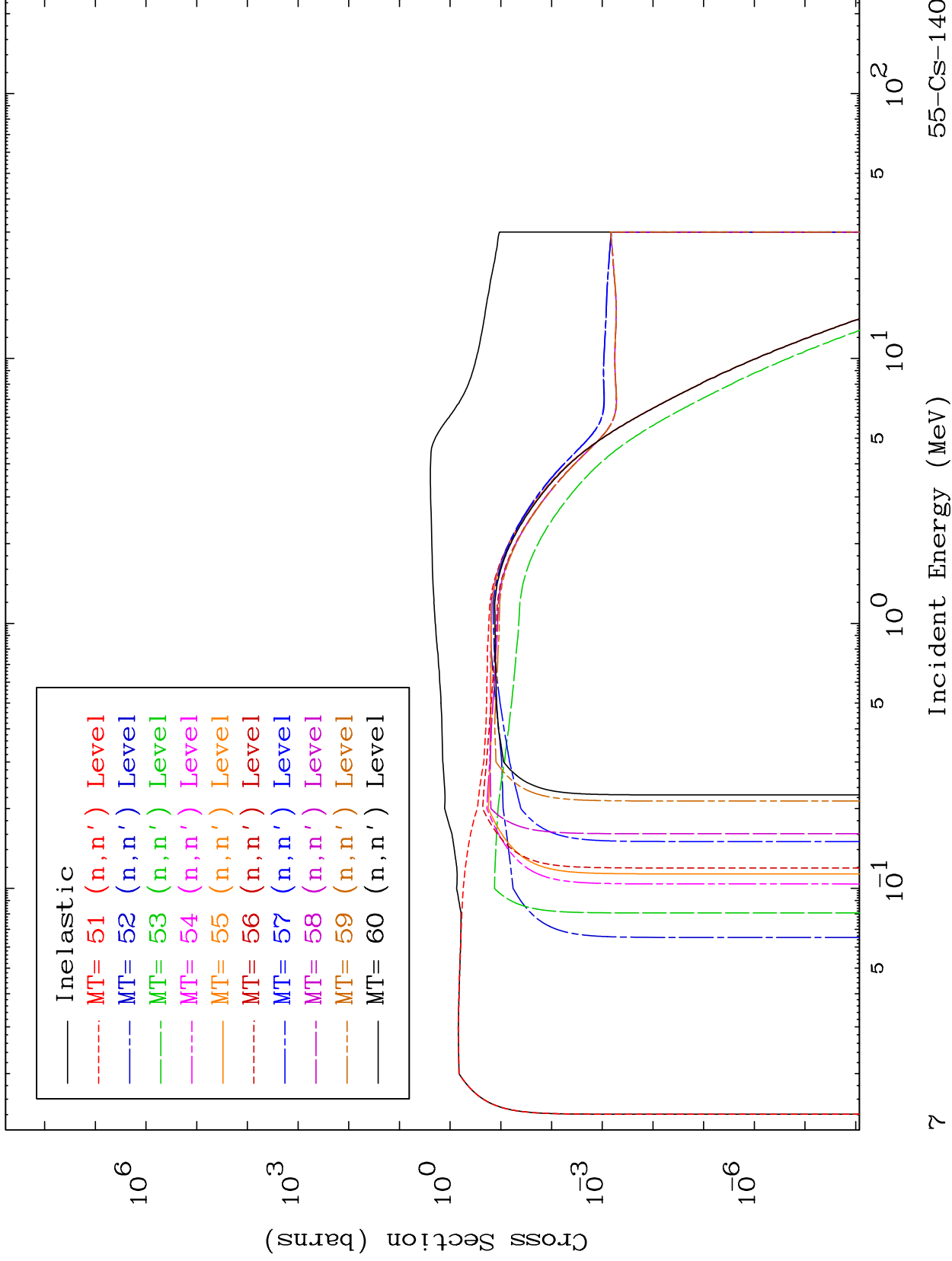
55-Cs-140



MAT 5546

(n,n') Level
293 Kelvin Cross Sections

55-Cs-140

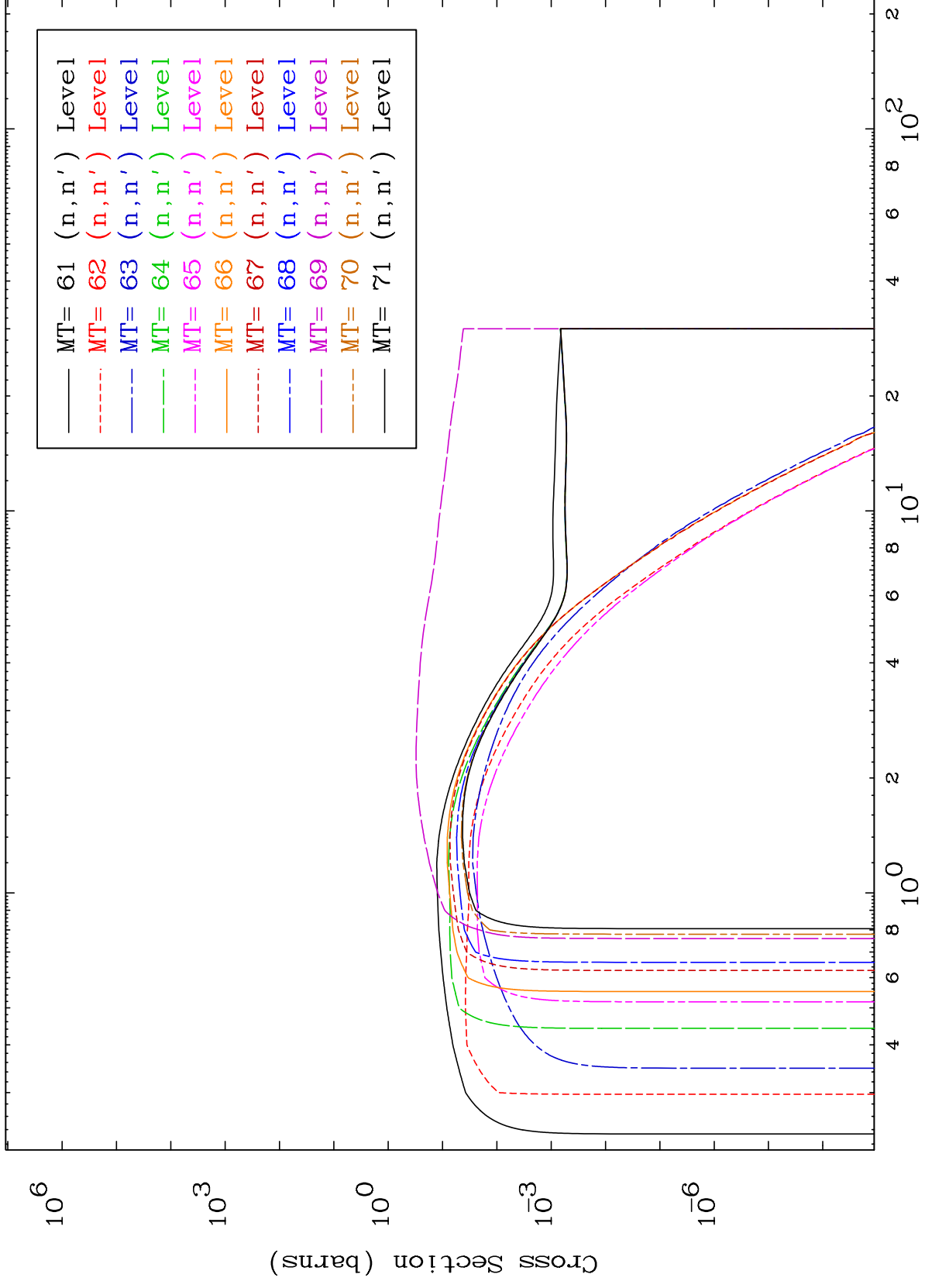


MAT 5546

(n,n') Level

55-Cs-140

293 Kelvin Cross Sections

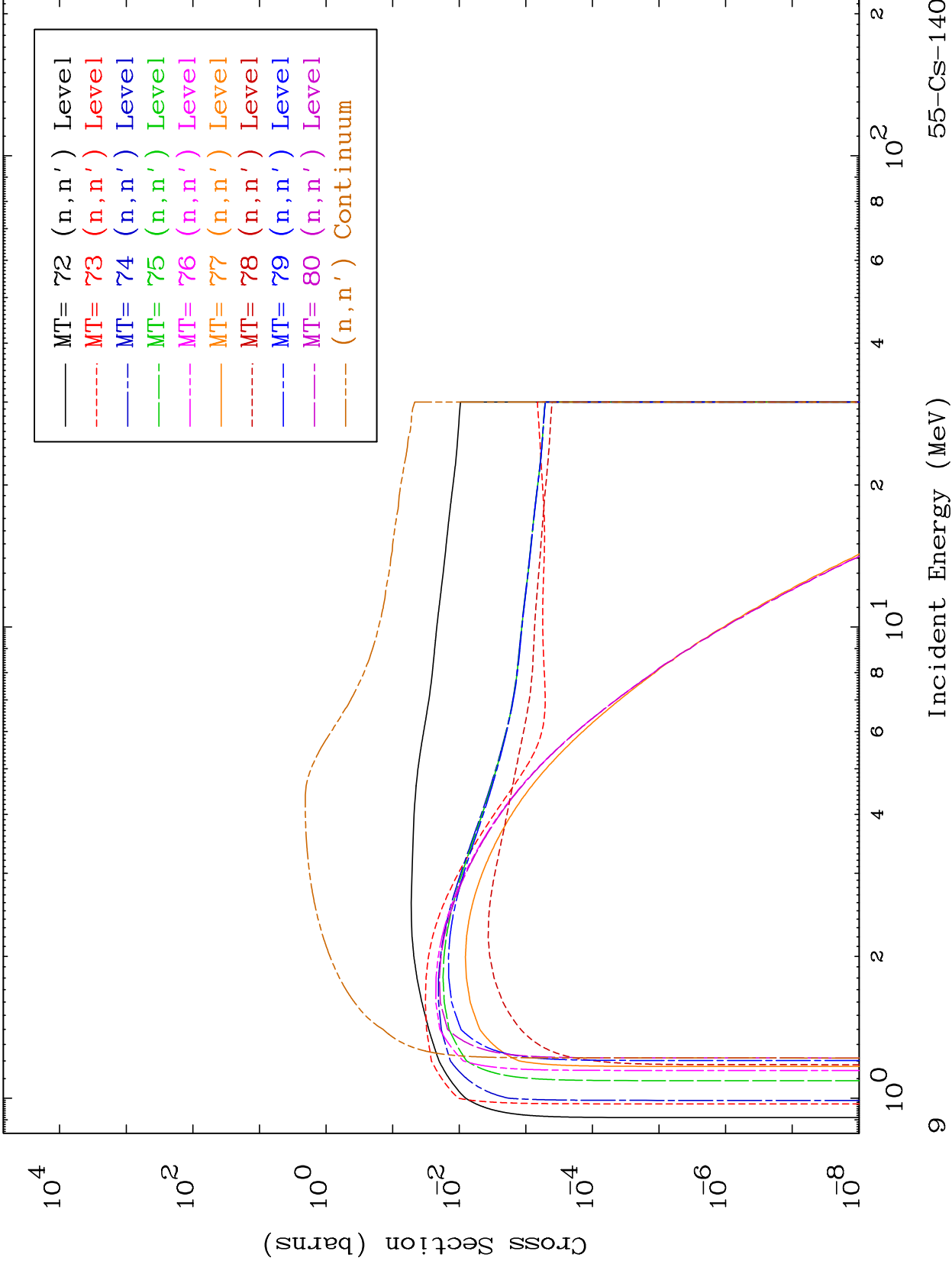


MAT 5546

(n,n') Level

55-Cs-140

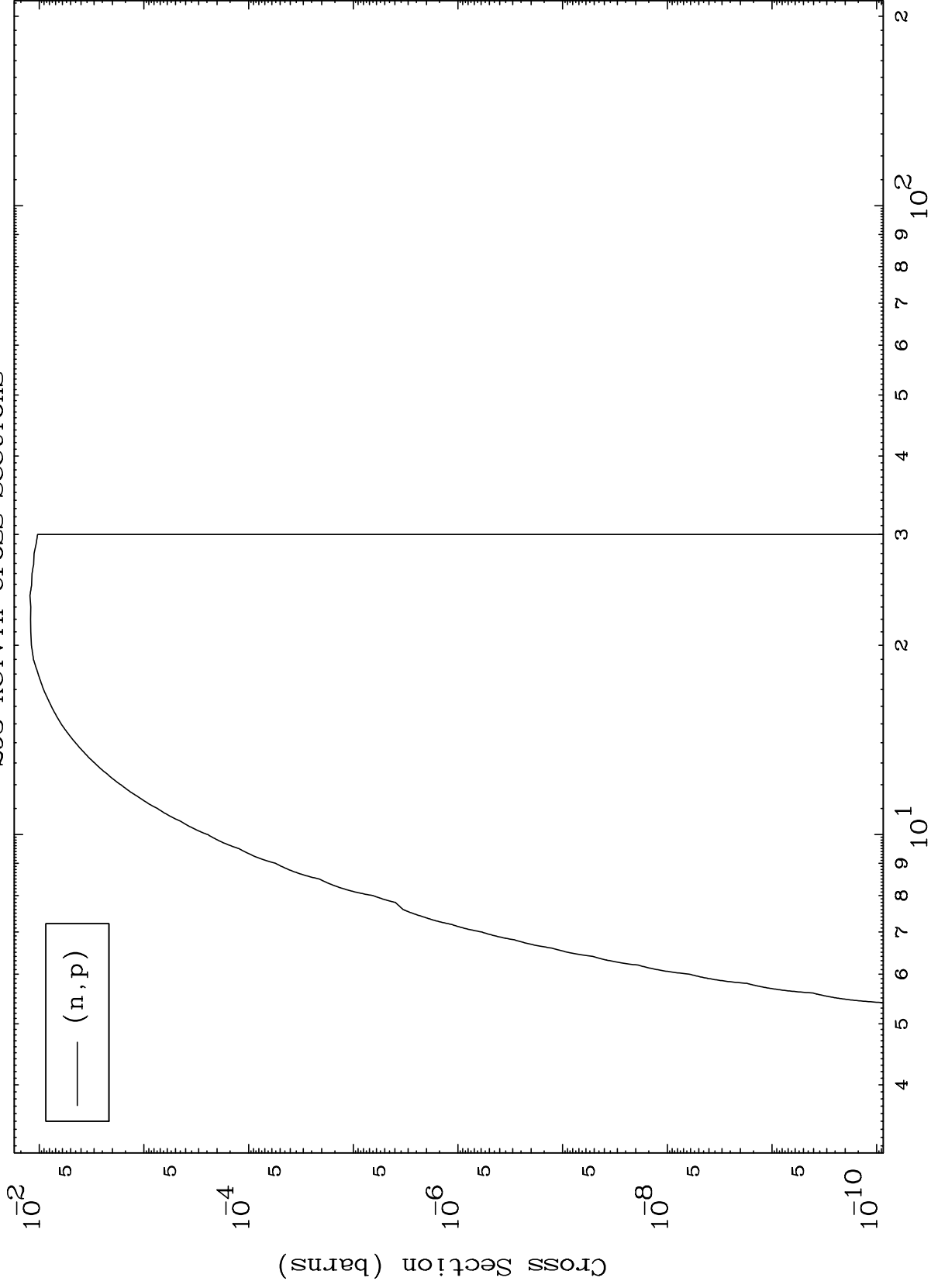
293 Kelvin Cross Sections



MAT 5546

(n,p) Levels
293 Kelvin Cross Sections

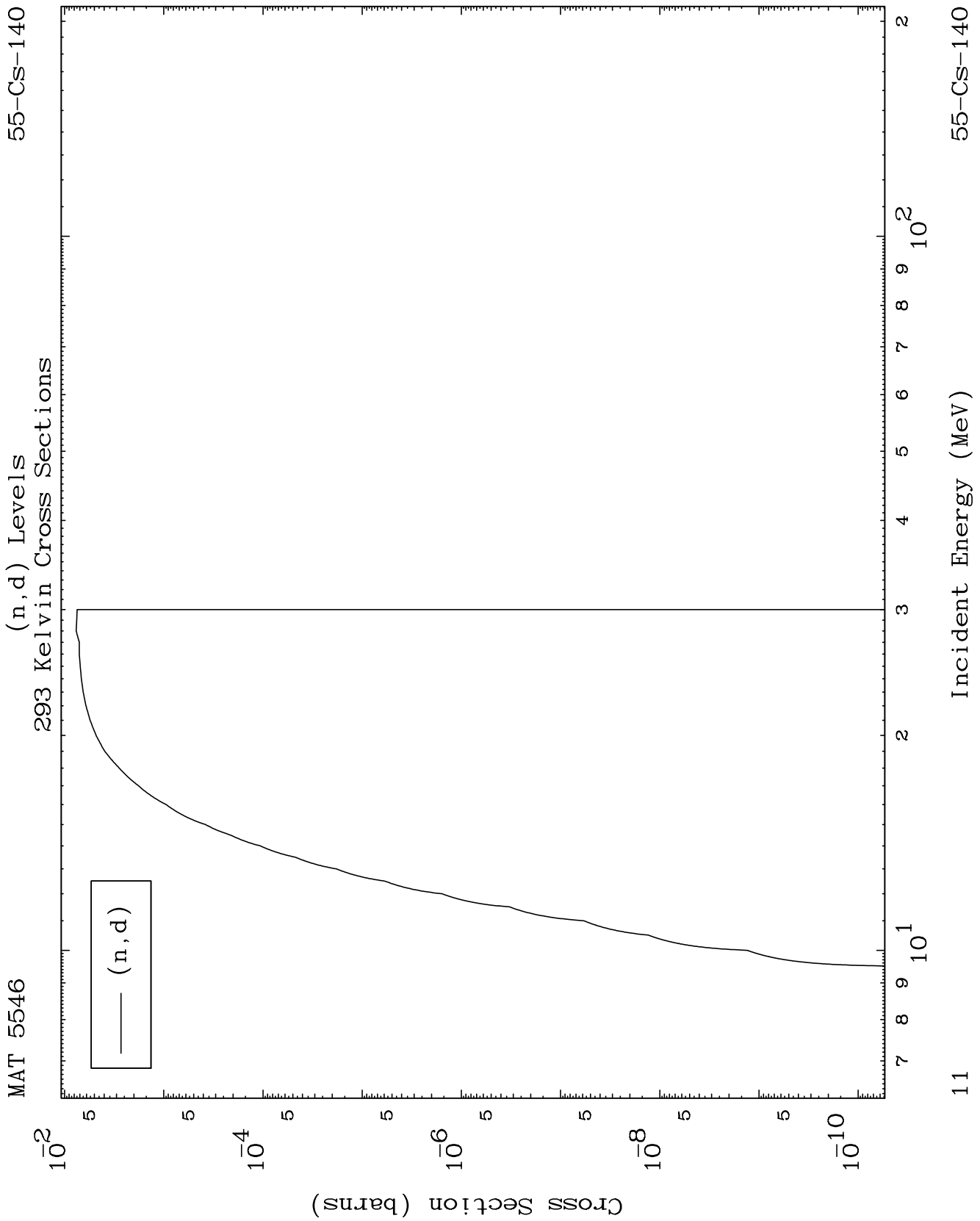
55-Cs-140



10

Incident Energy (MeV)

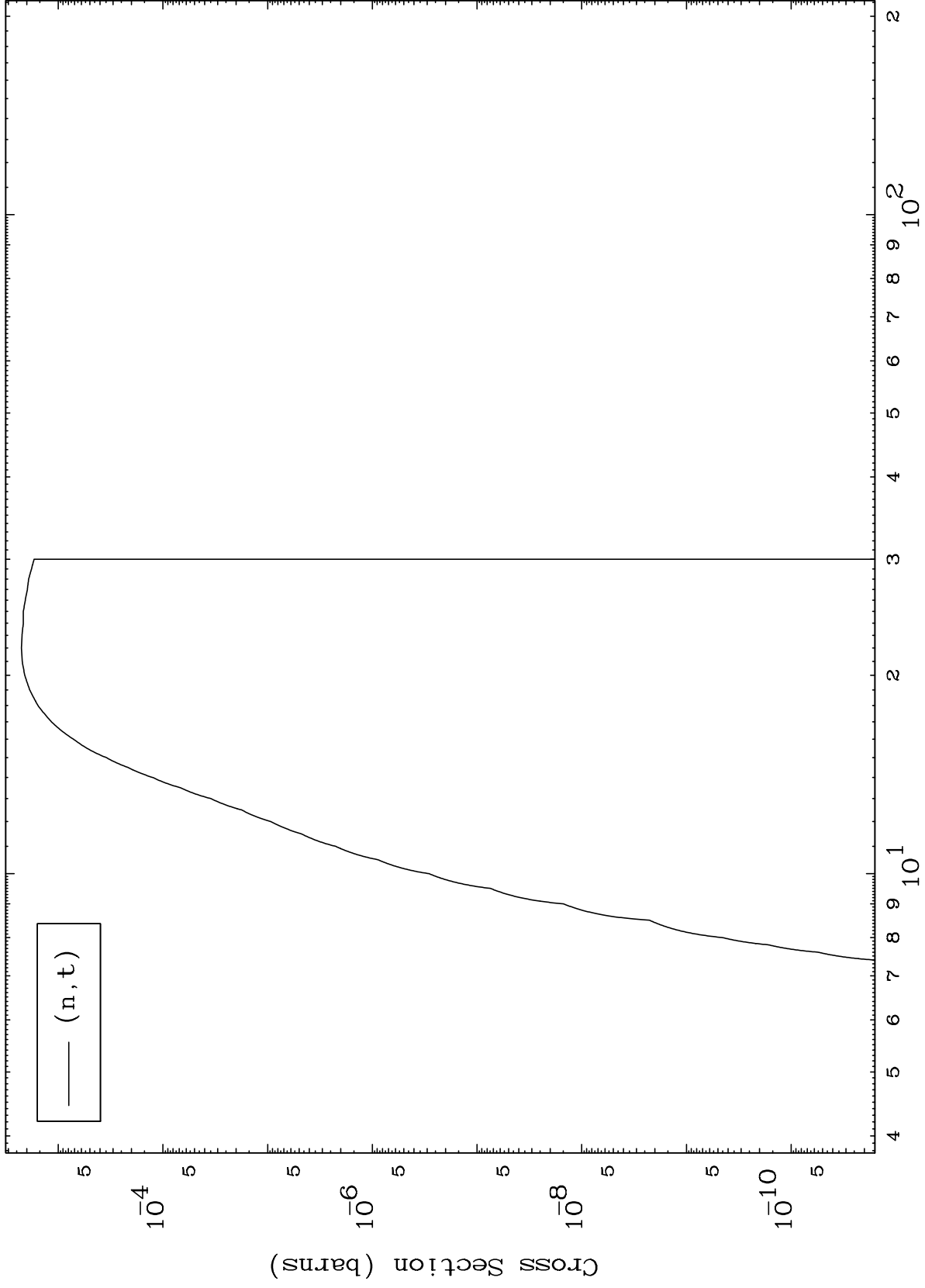
55-Cs-140



MAT 5546

(n,t) Levels
293 Kelvin Cross Sections

55-Cs-140



12

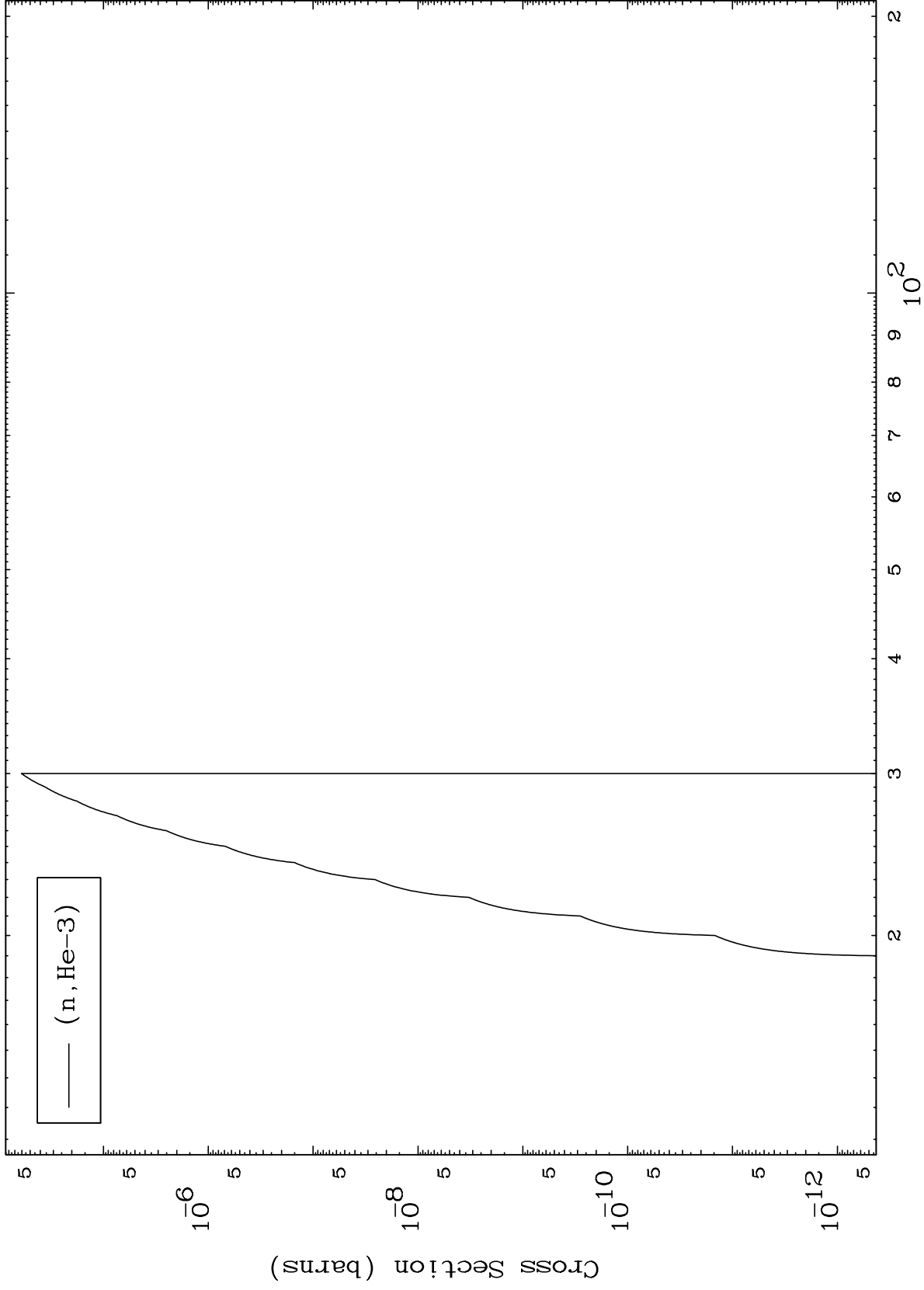
Incident Energy (MeV)

55-Cs-140

MAT 5546

(n,He3) Levels
293 Kelvin Cross Sections

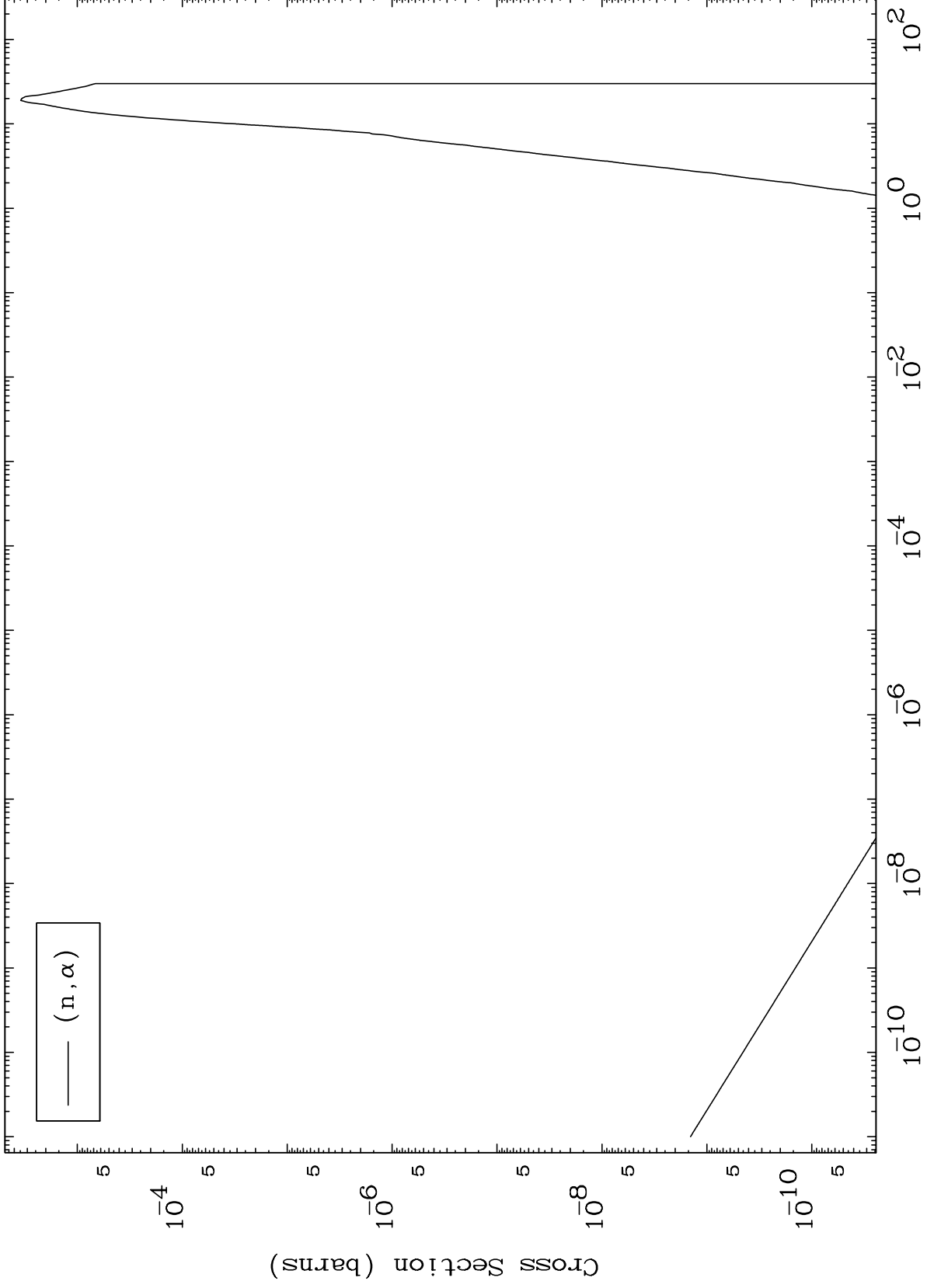
55-Cs-140

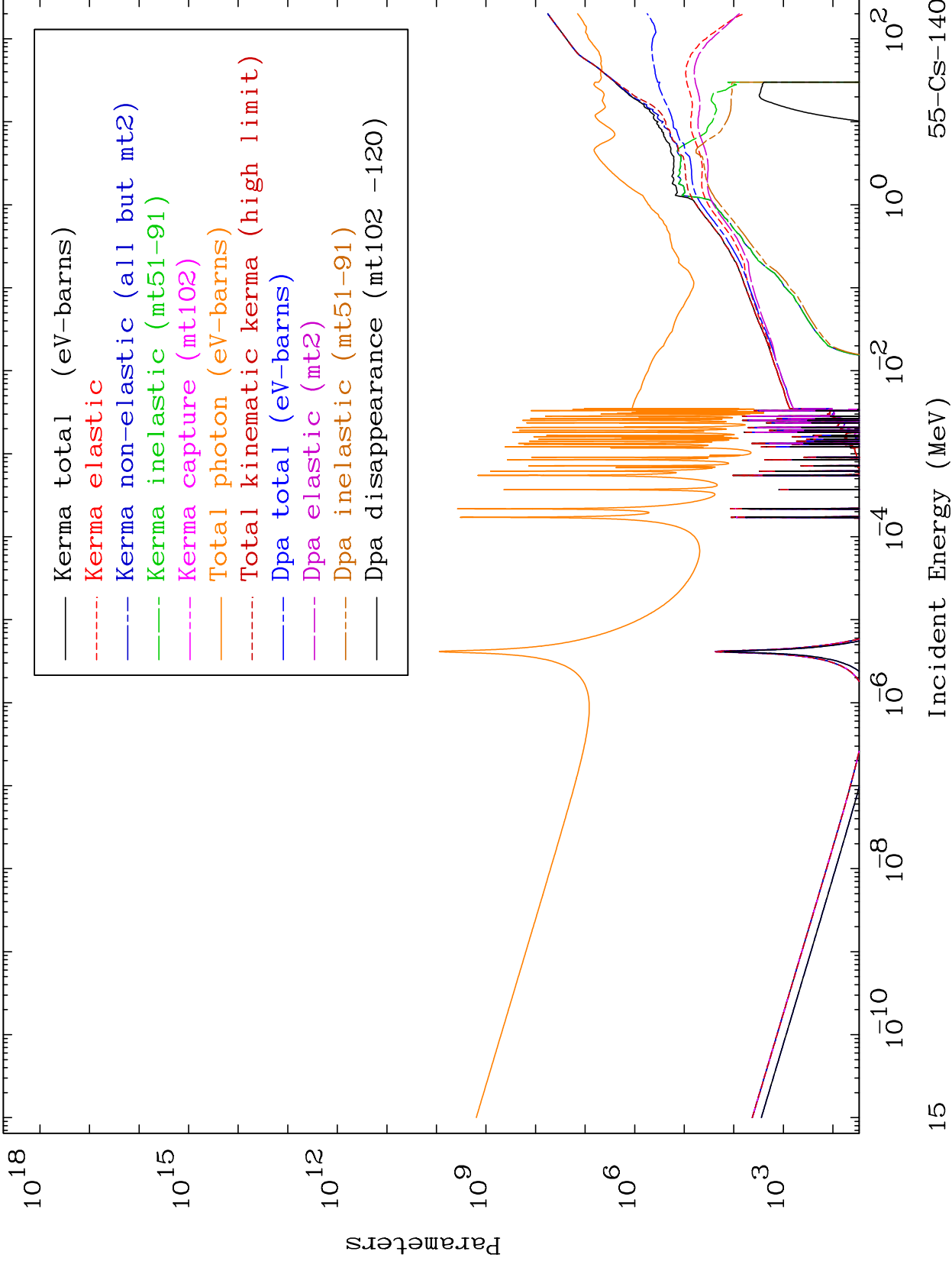


MAT 5546

(n, α) Levels
293 Kelvin Cross Sections

55-Cs-140

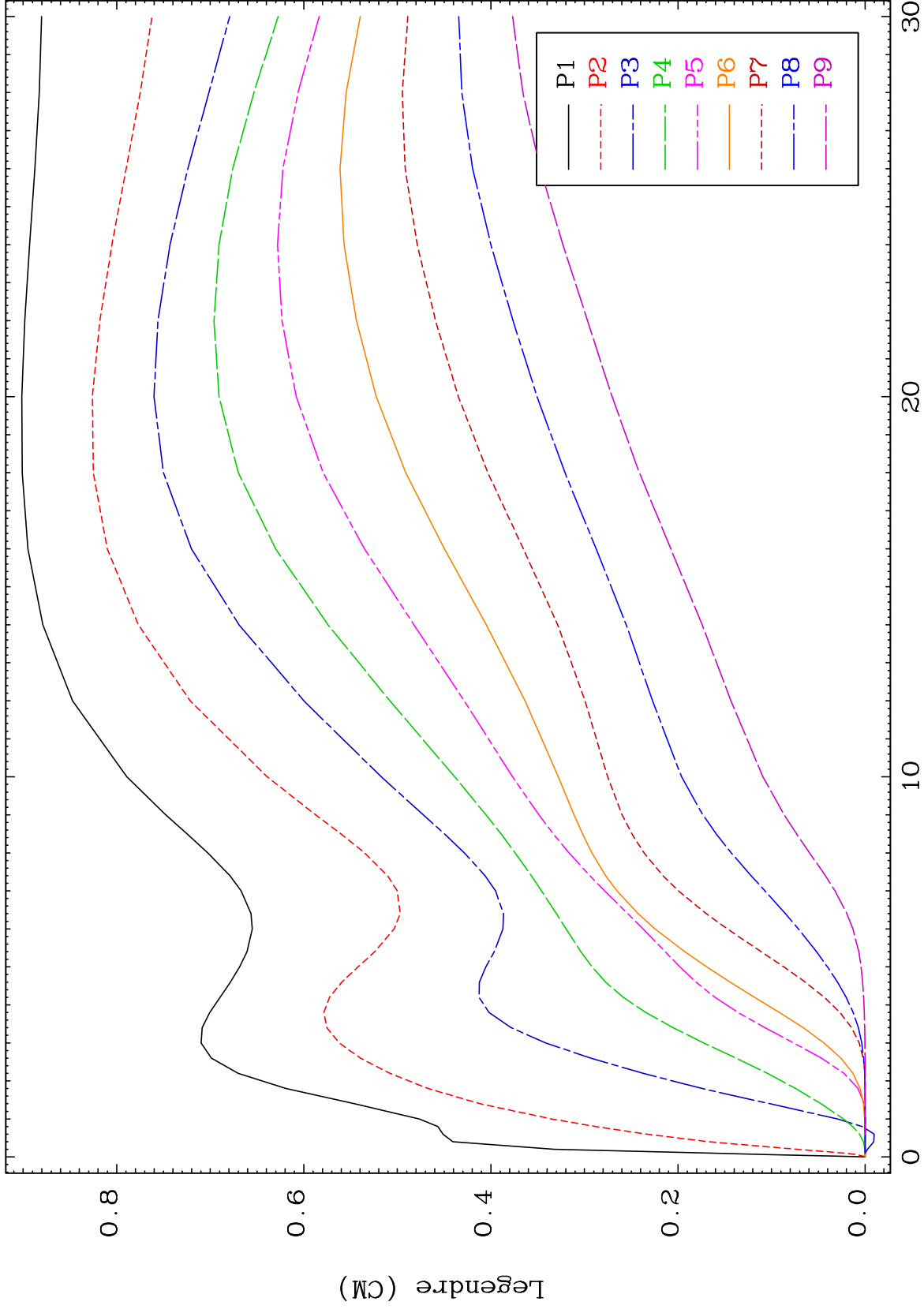




MAT 5546

Elastic Legendre Coefficients

55-Cs-140



16

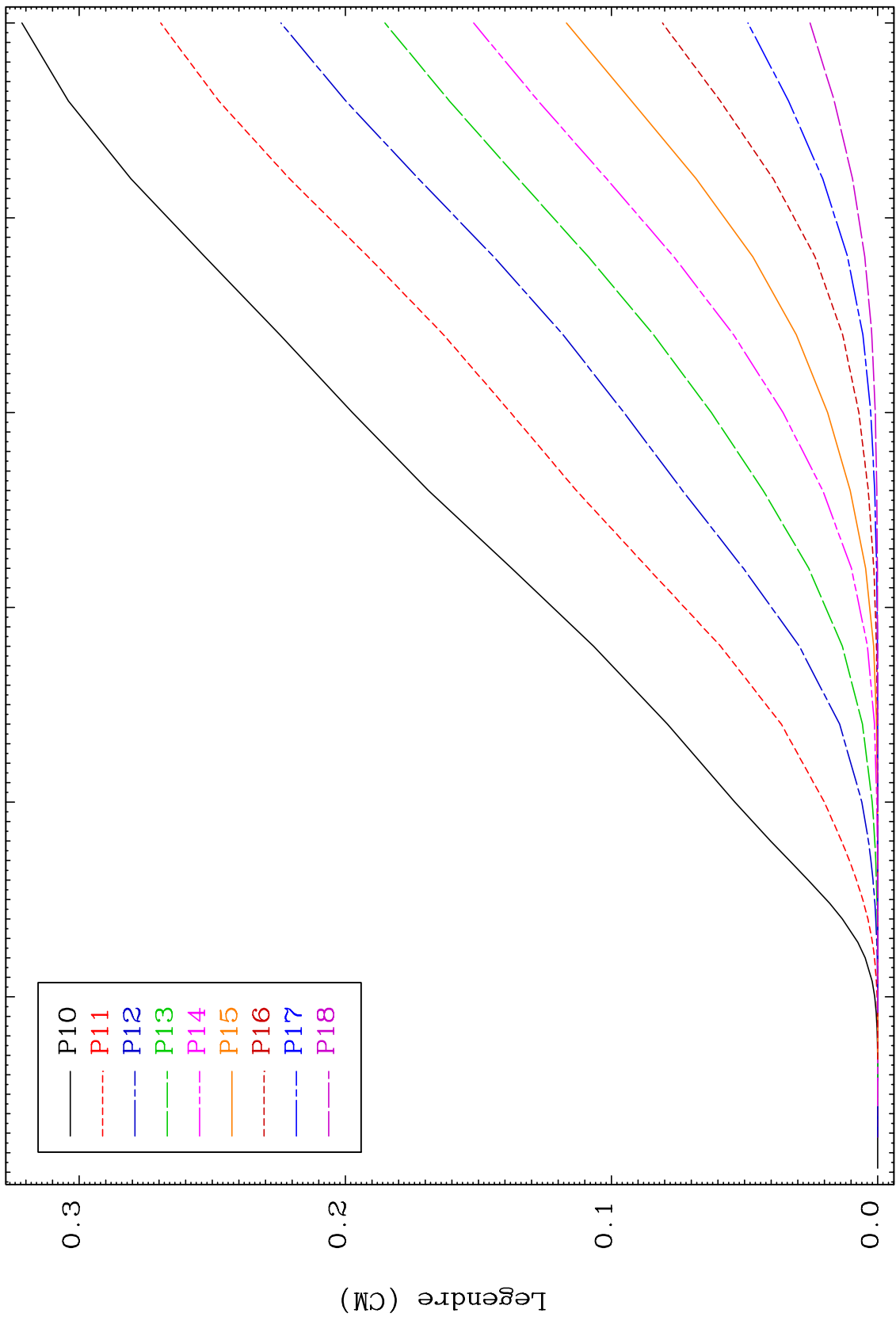
Incident Energy (MeV)

55-Cs-140

MAT 5546

Elastic Legendre Coefficients

55-Cs-140



17

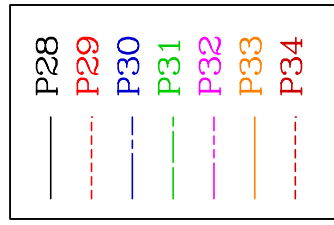
Incident Energy (MeV)

55-Cs-140

MAT 5546

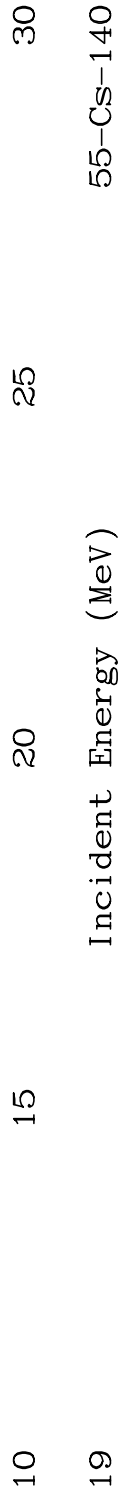
Elastic Legendre Coefficients

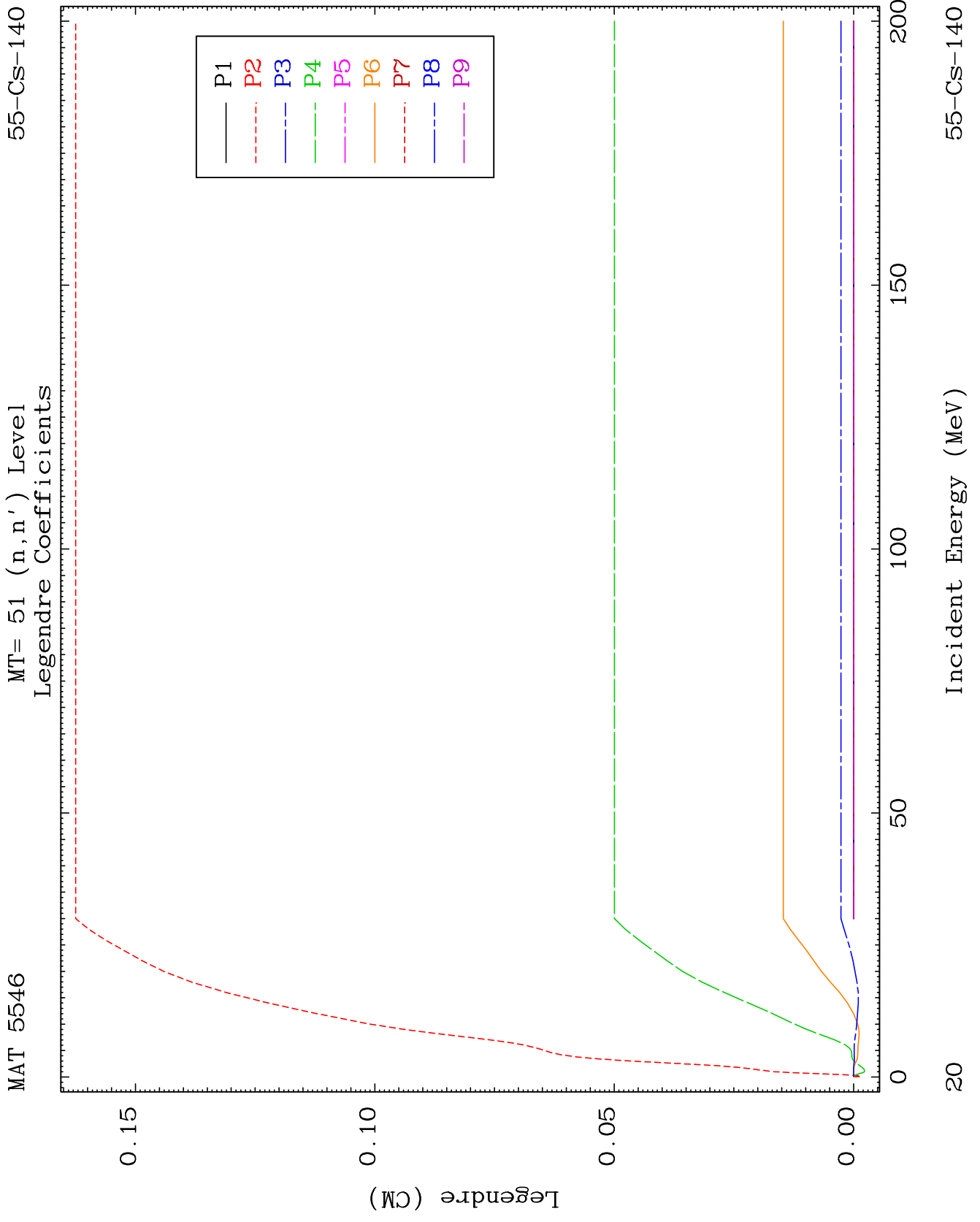
55-Cs-140



$\times 10^{-6}$
1.2
1.0
0.8
0.6
0.4
0.2
0.0

Legendre (CM)

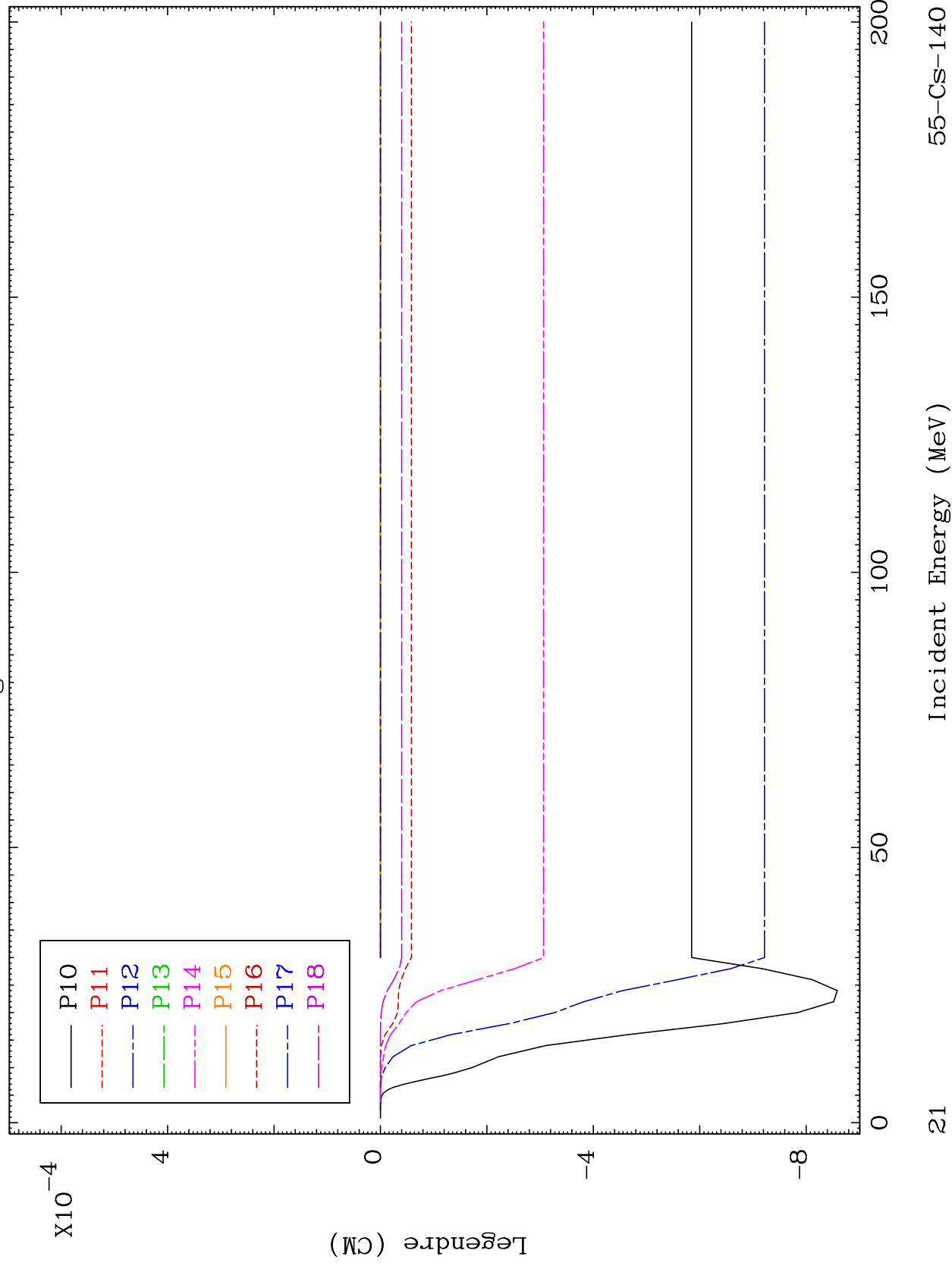




MAT 5546

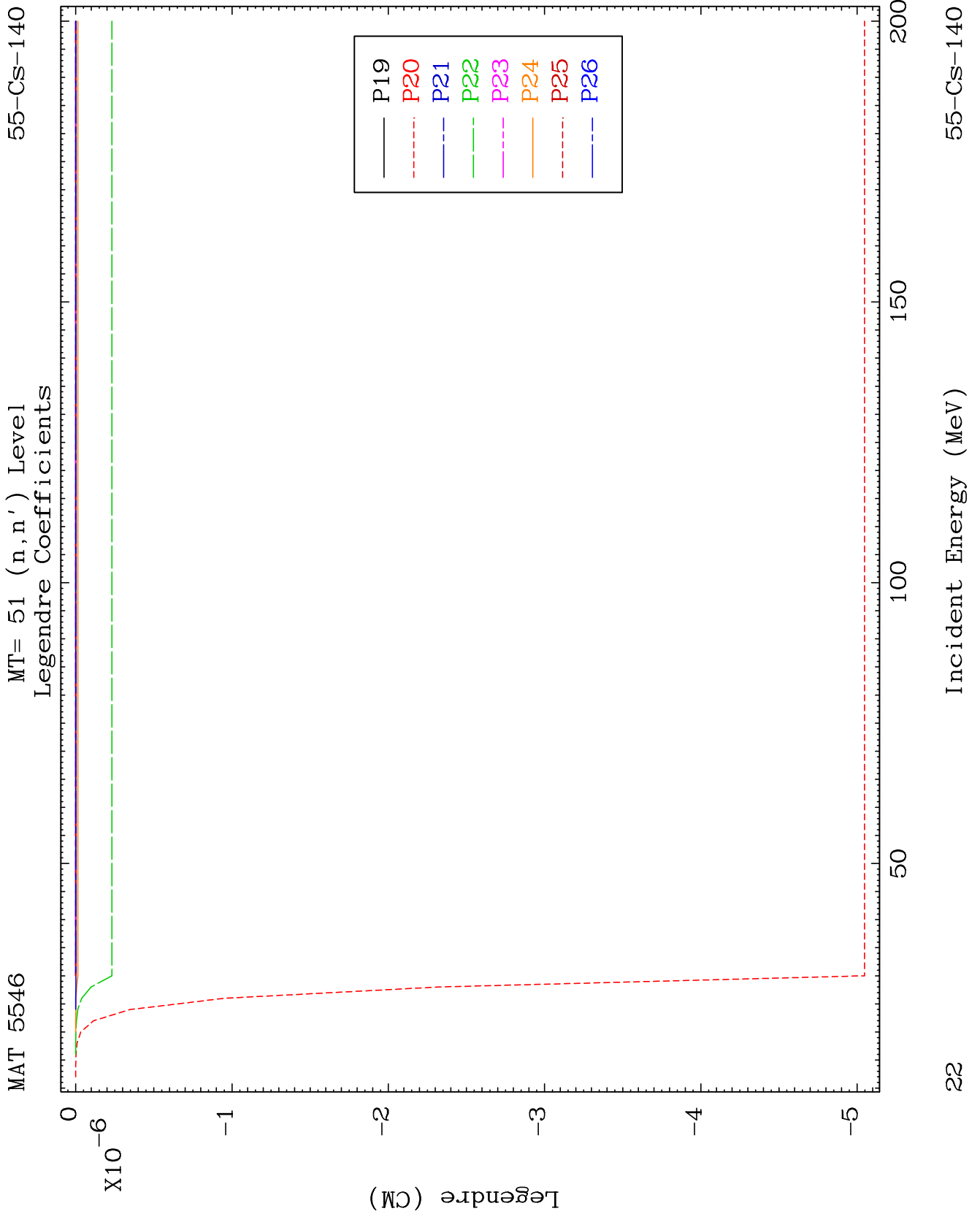
MT= 51 (n,n') Level
Legendre Coefficients

55-Cs-140



21

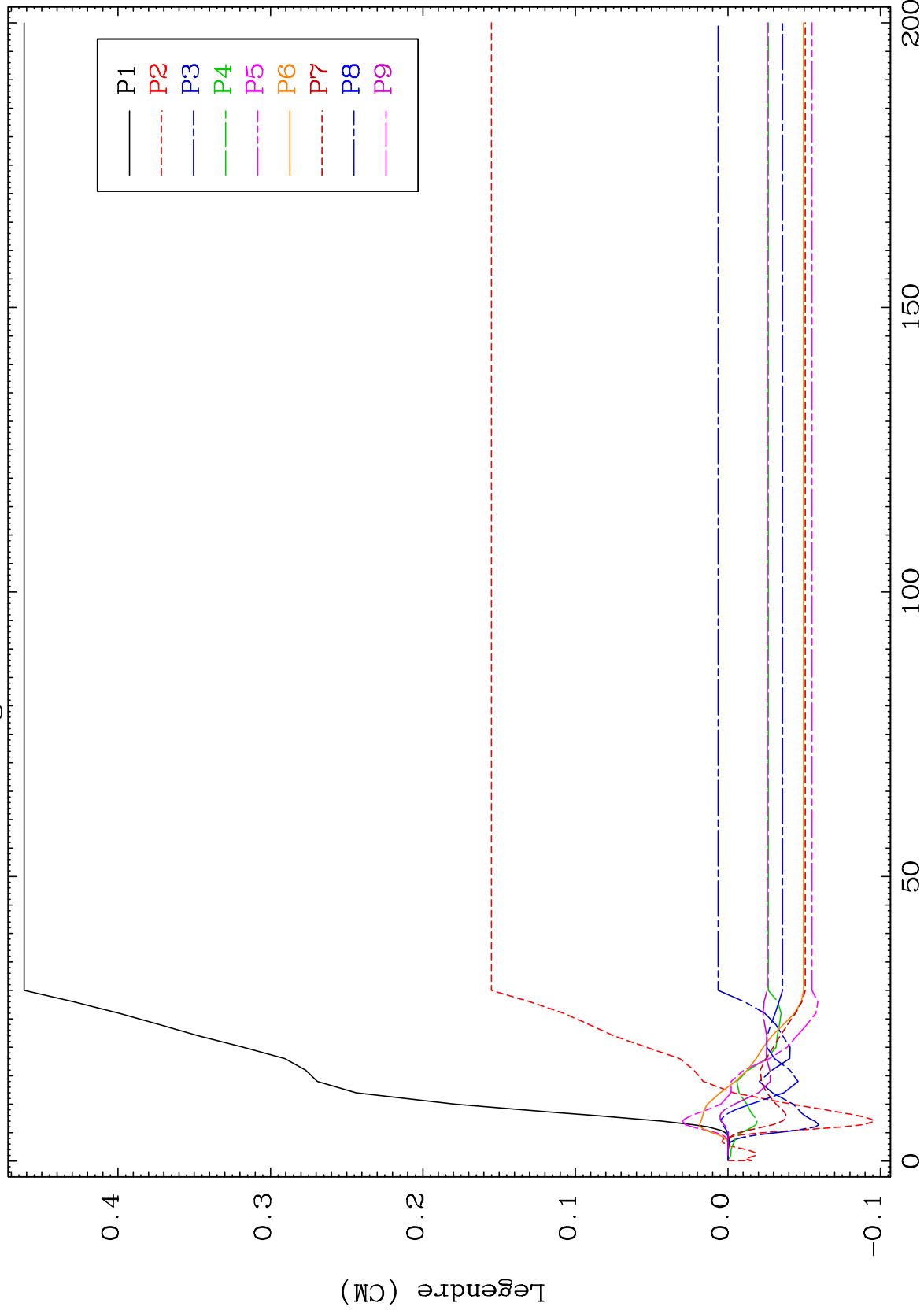
55-Cs-140



MAT 5546

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

55-Cs-140



23

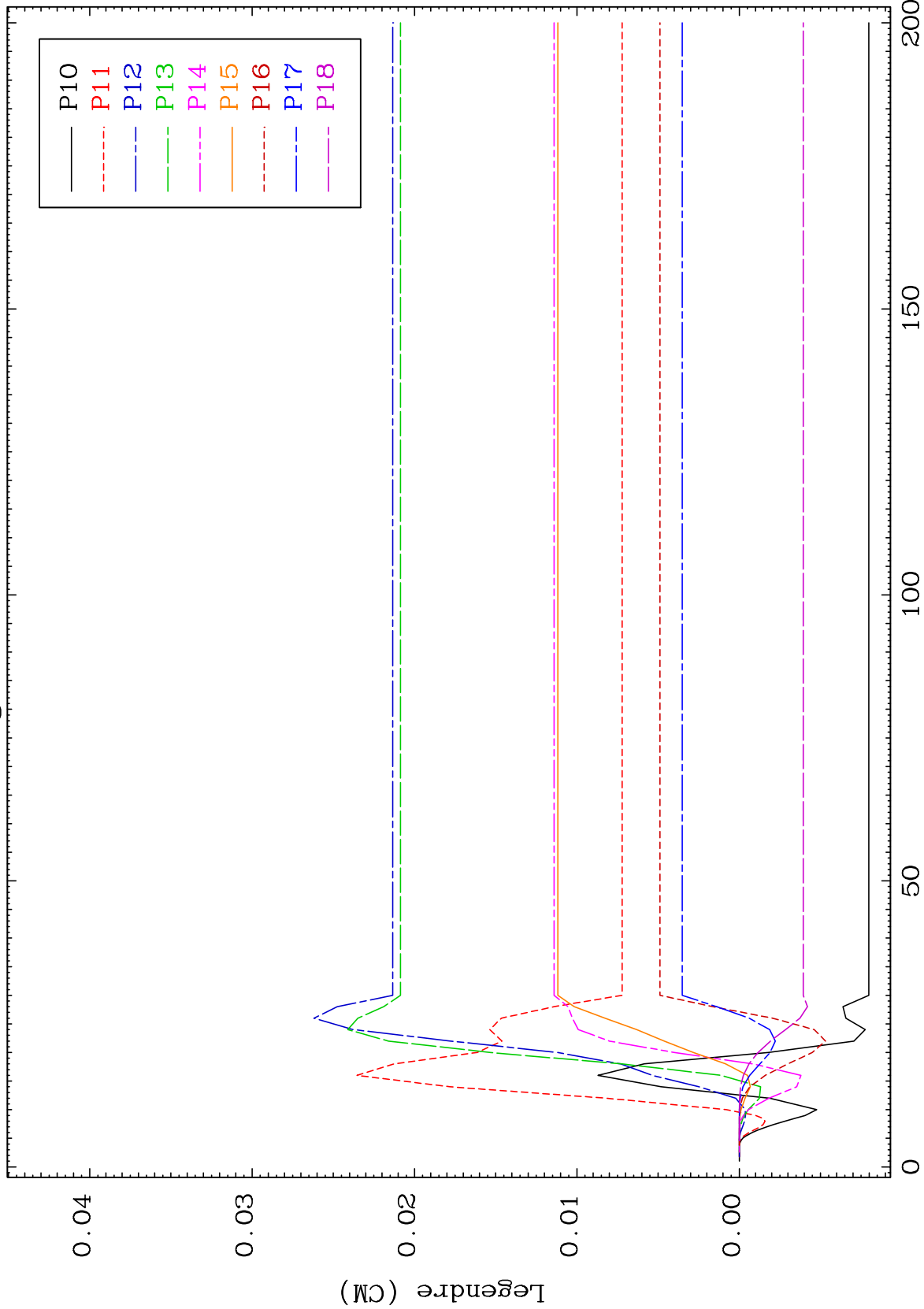
Incident Energy (MeV)

55-Cs-140

MAT 5546

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

55-Cs-140



24

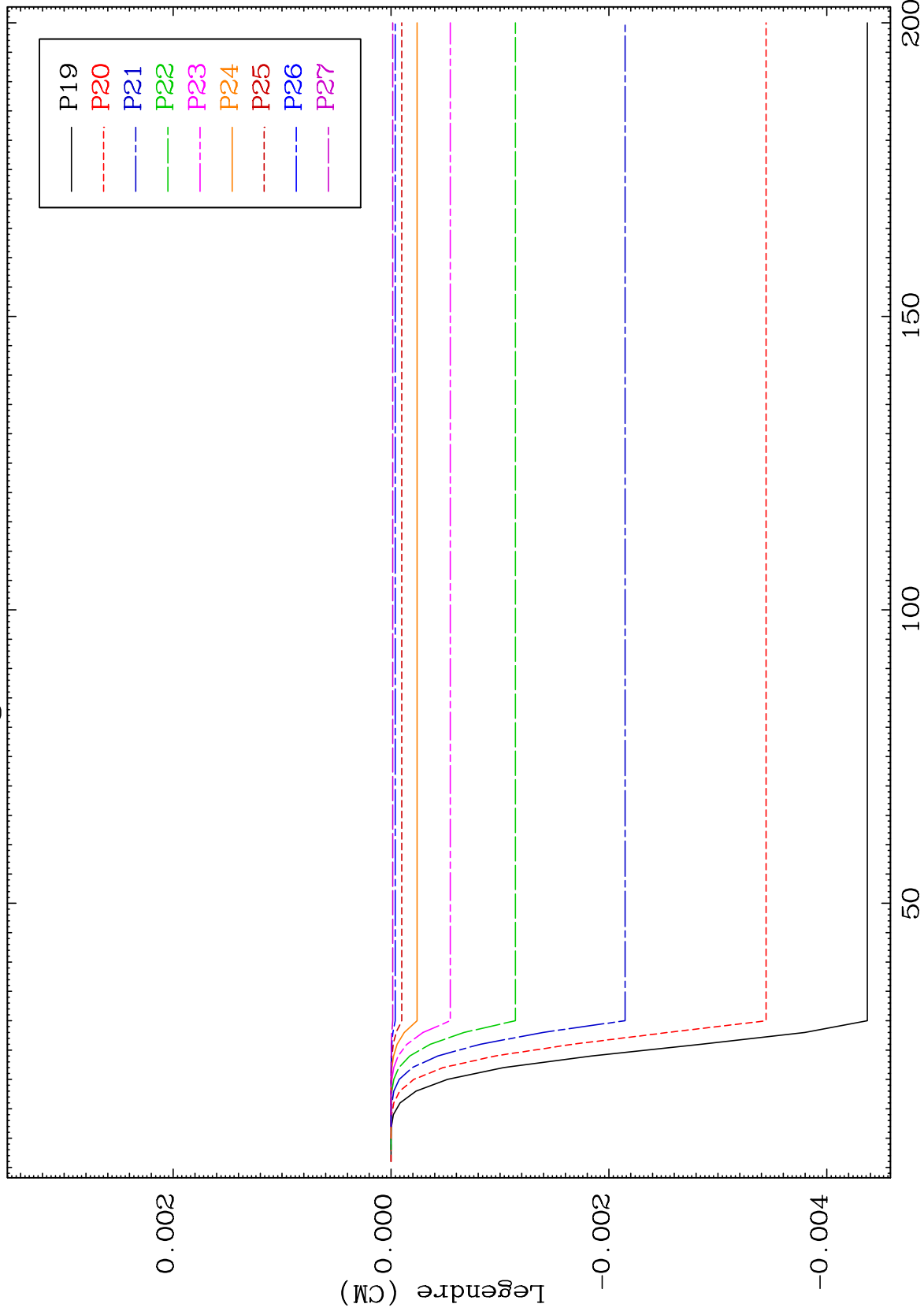
Incident Energy (MeV)

55-Cs-140

MAT 5546

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

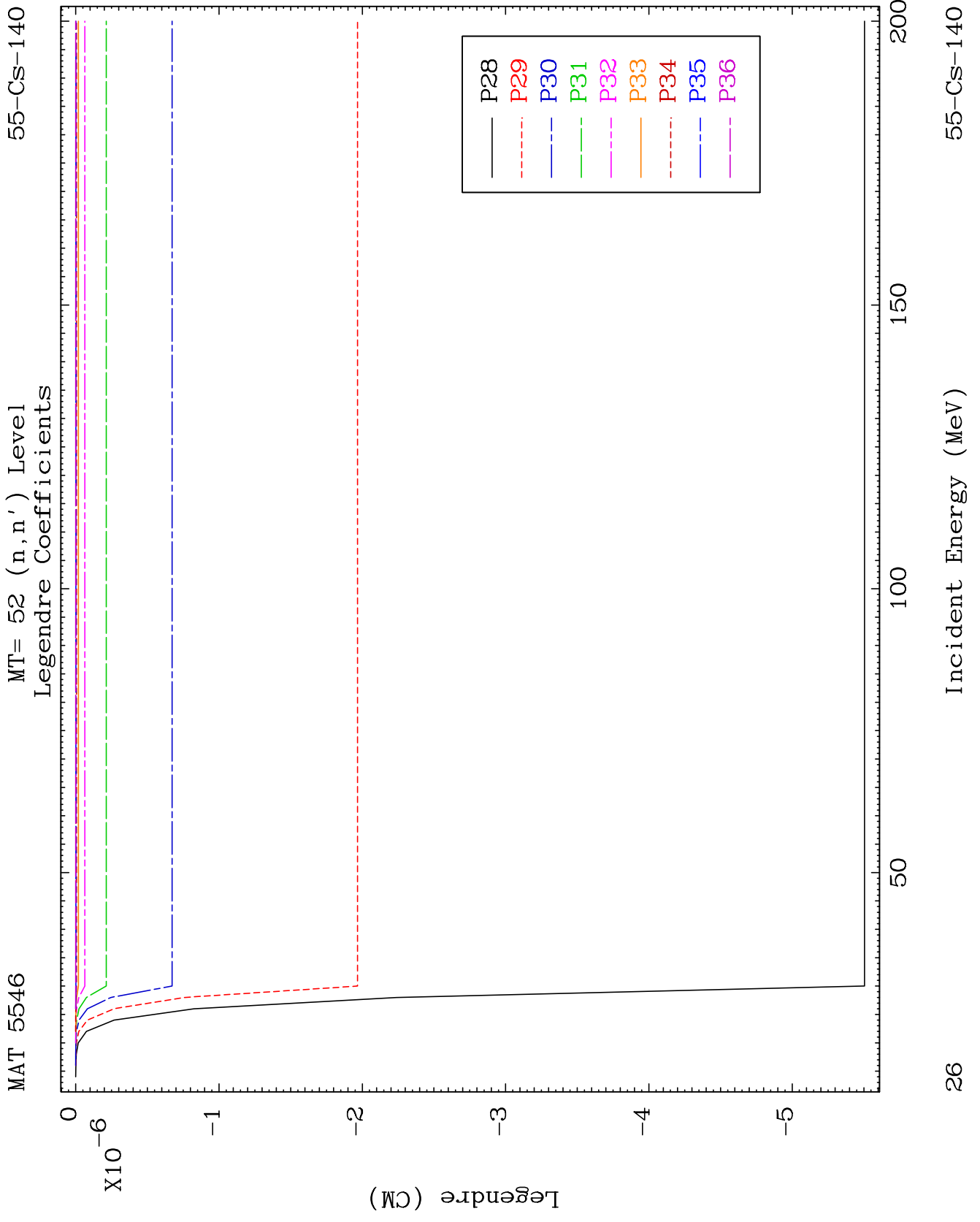
55-Cs-140

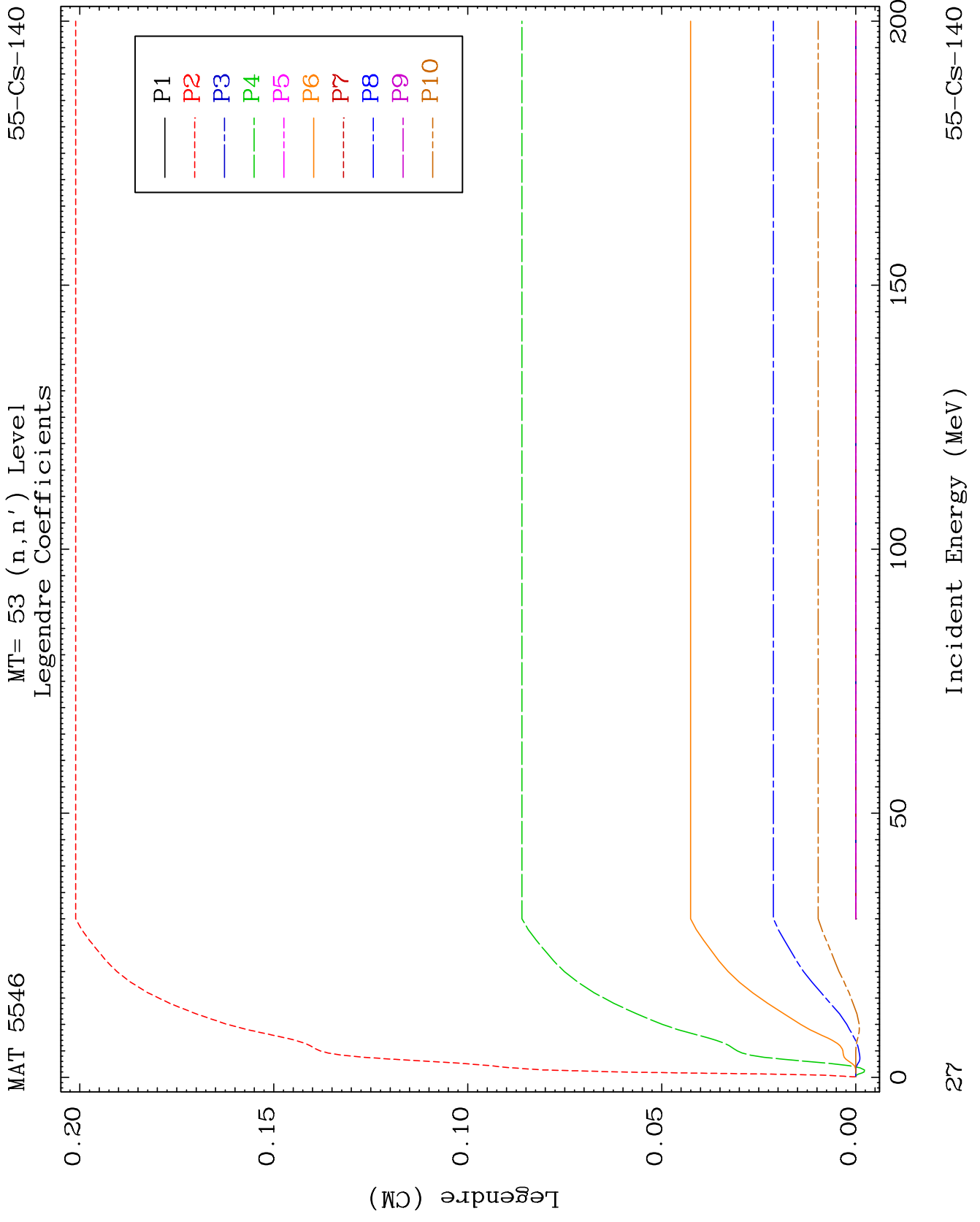


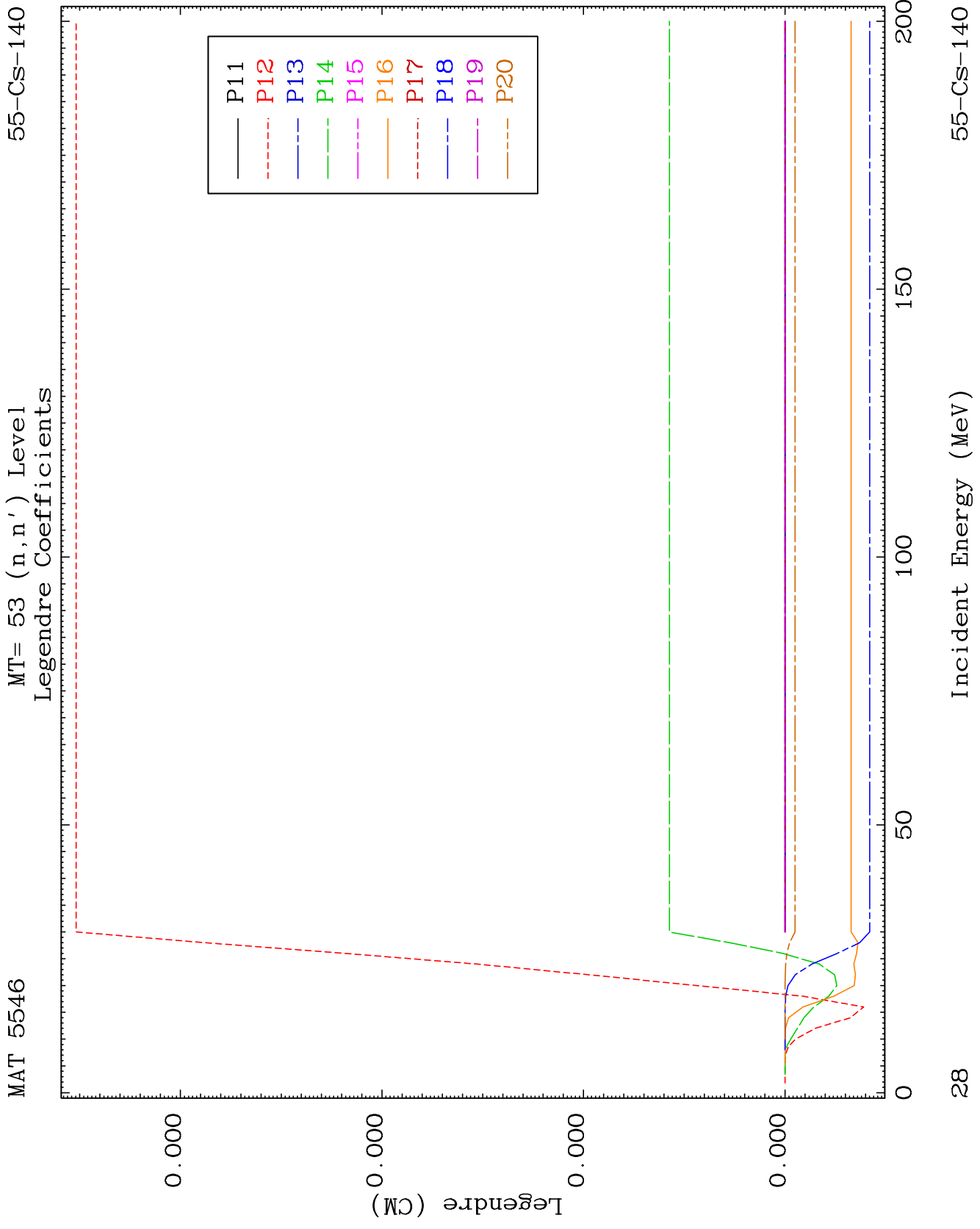
25

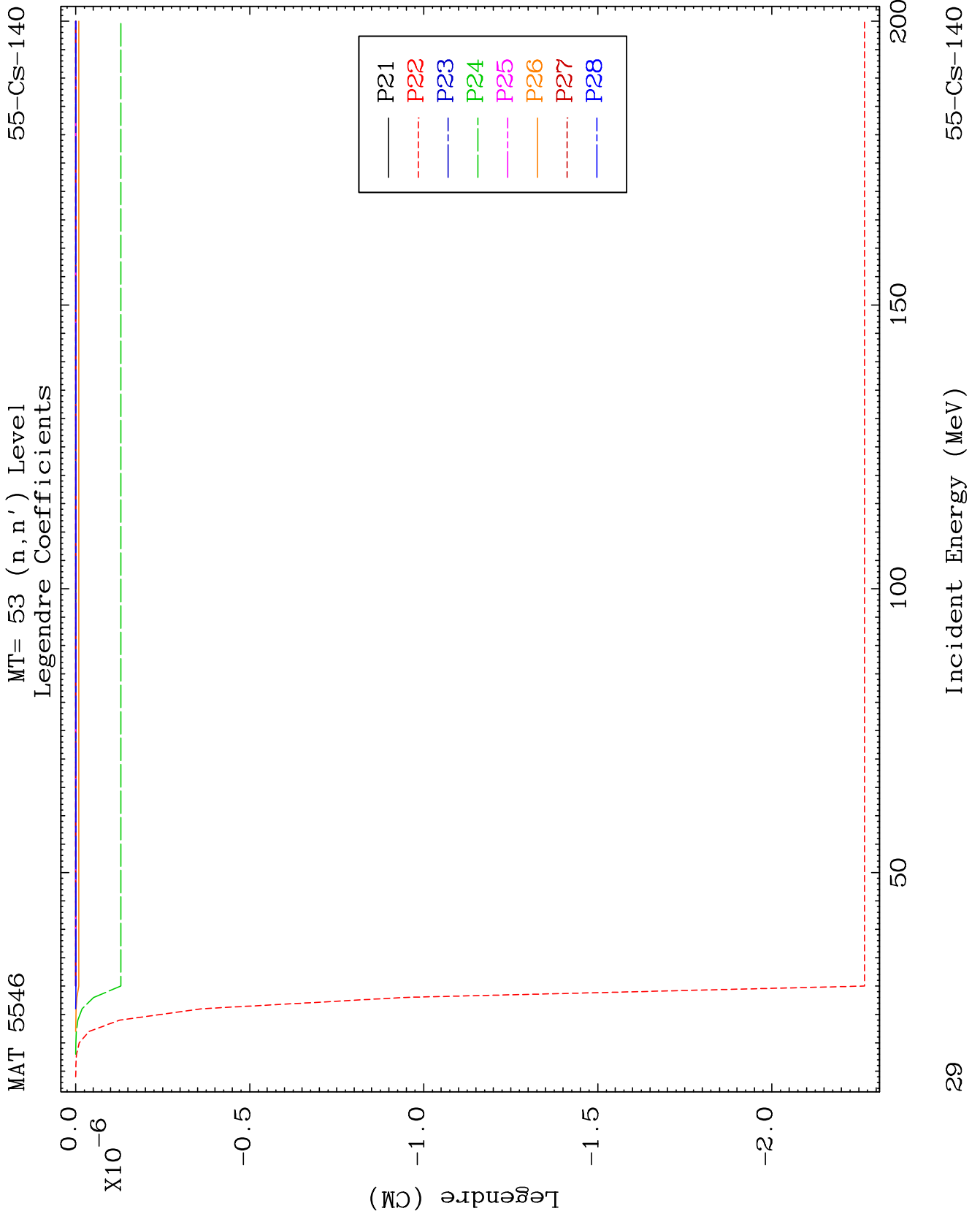
Incident Energy (MeV)

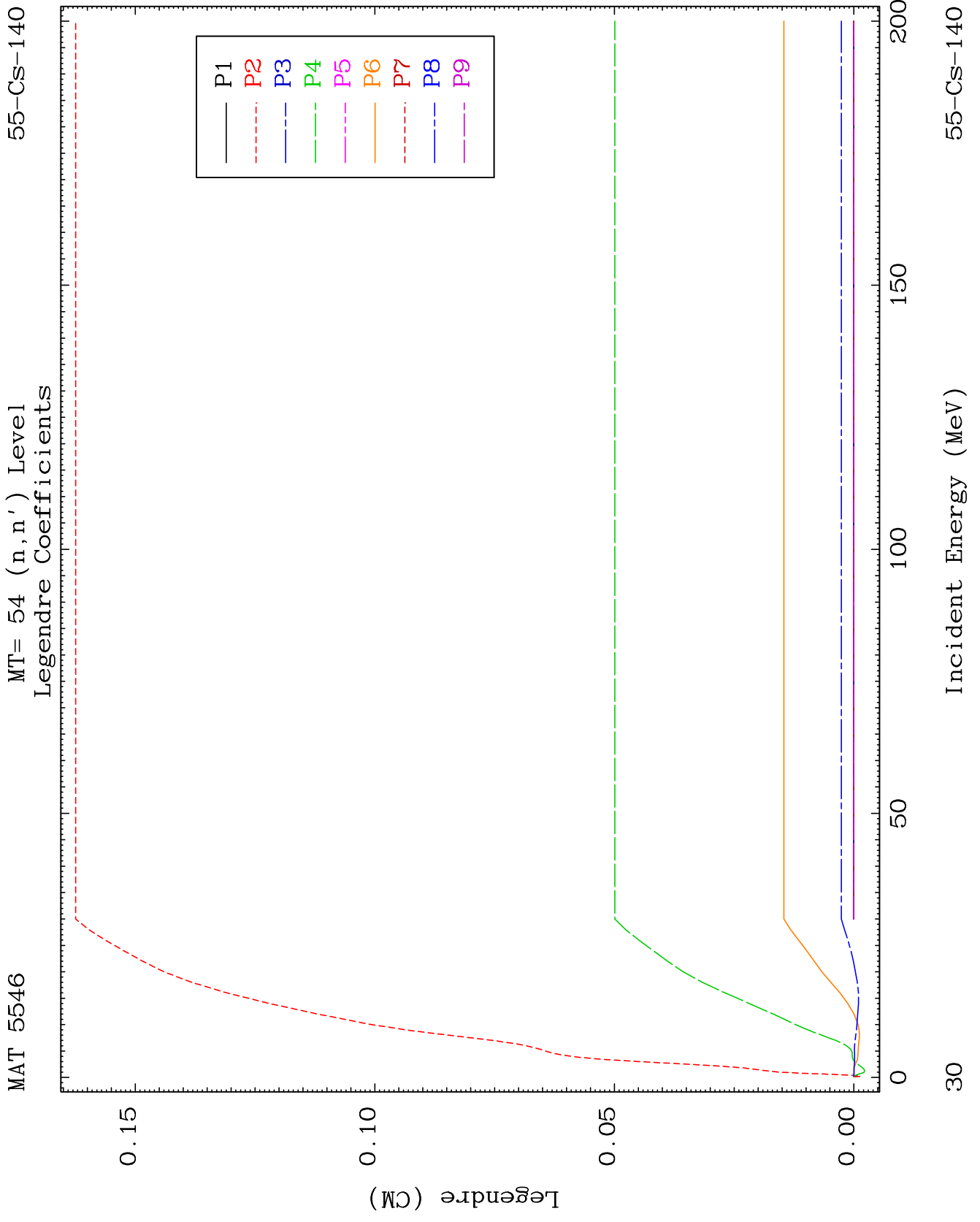
55-Cs-140







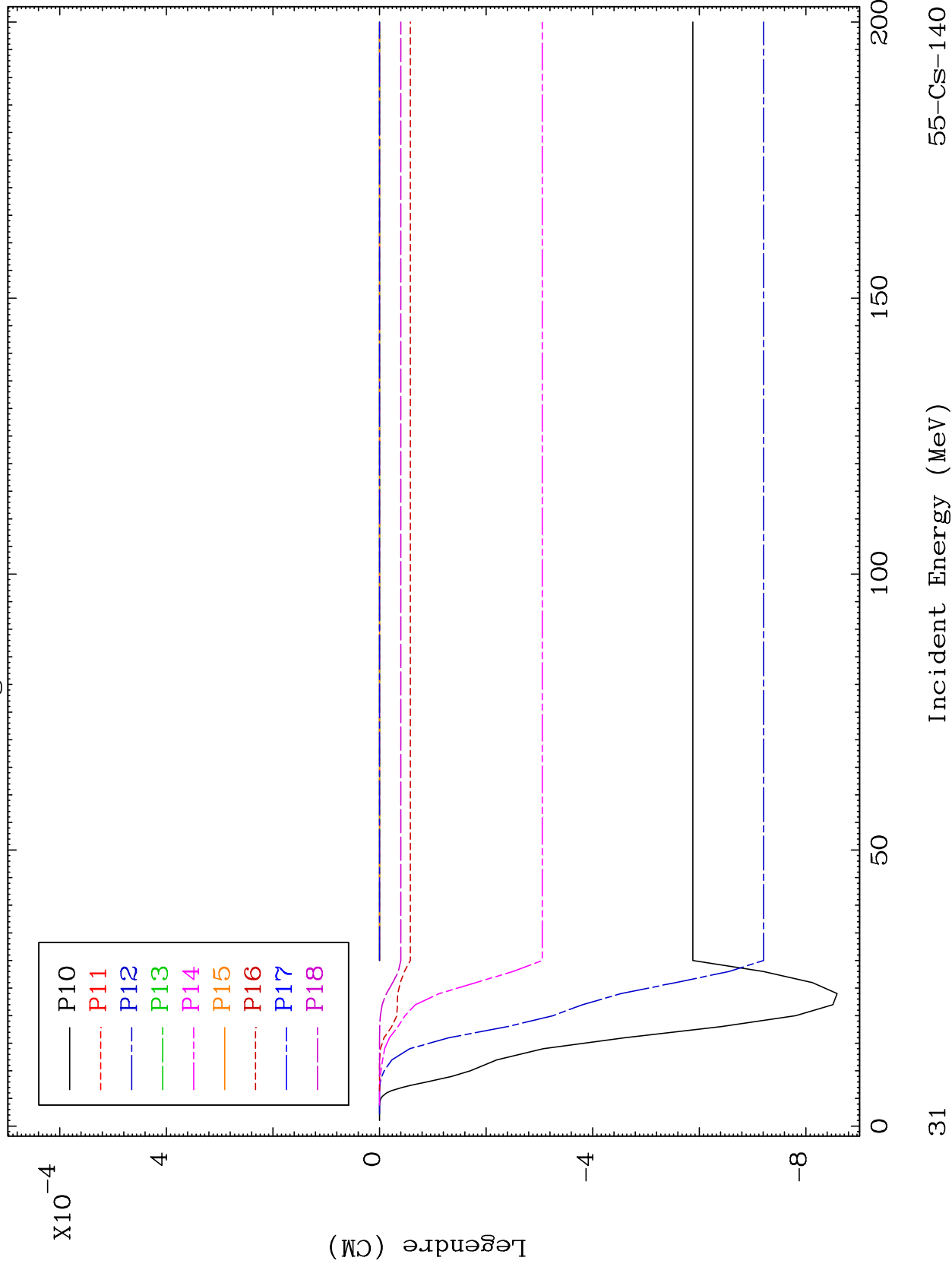




MAT 5546

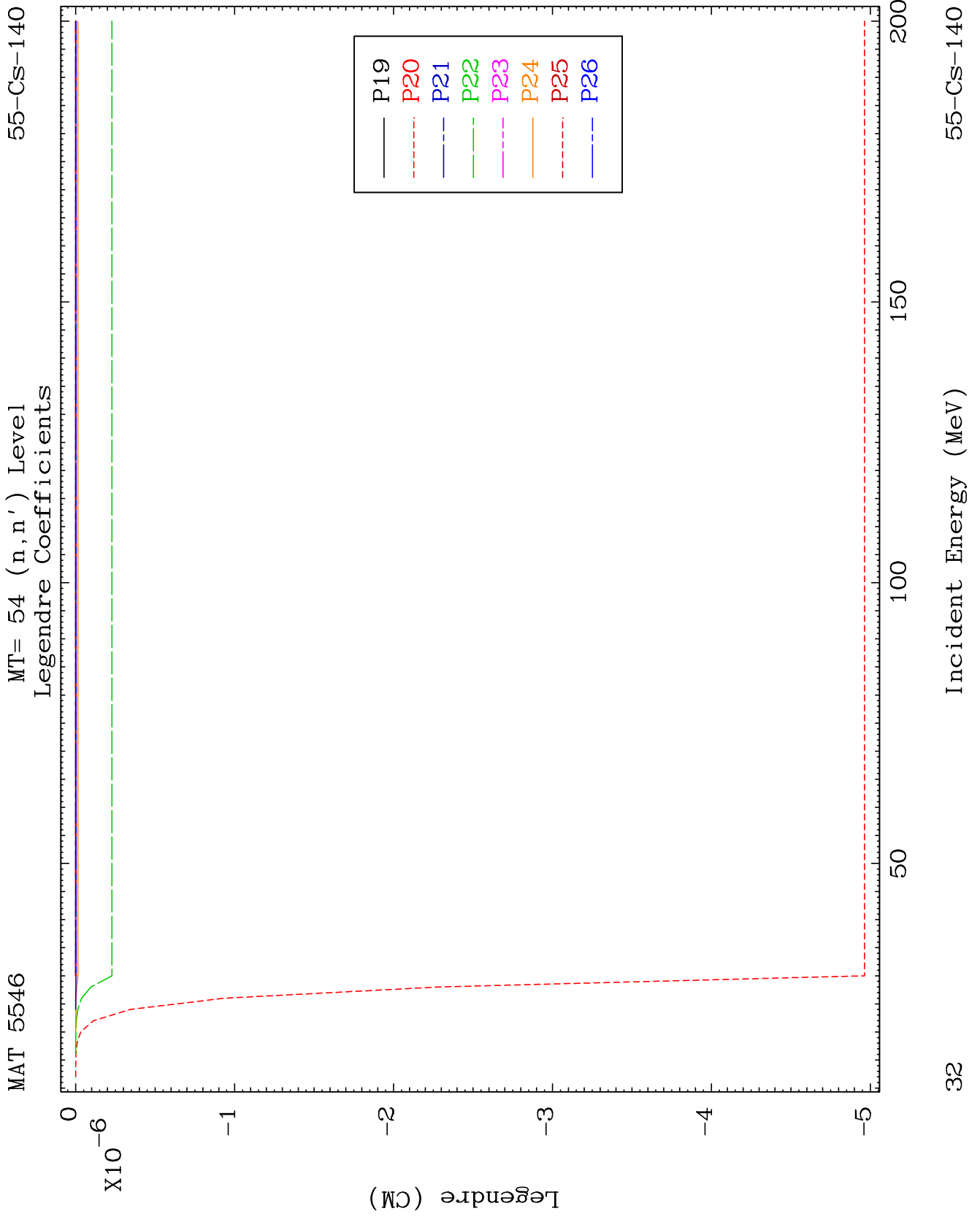
MT= 54 (n,n') Level
Legendre Coefficients

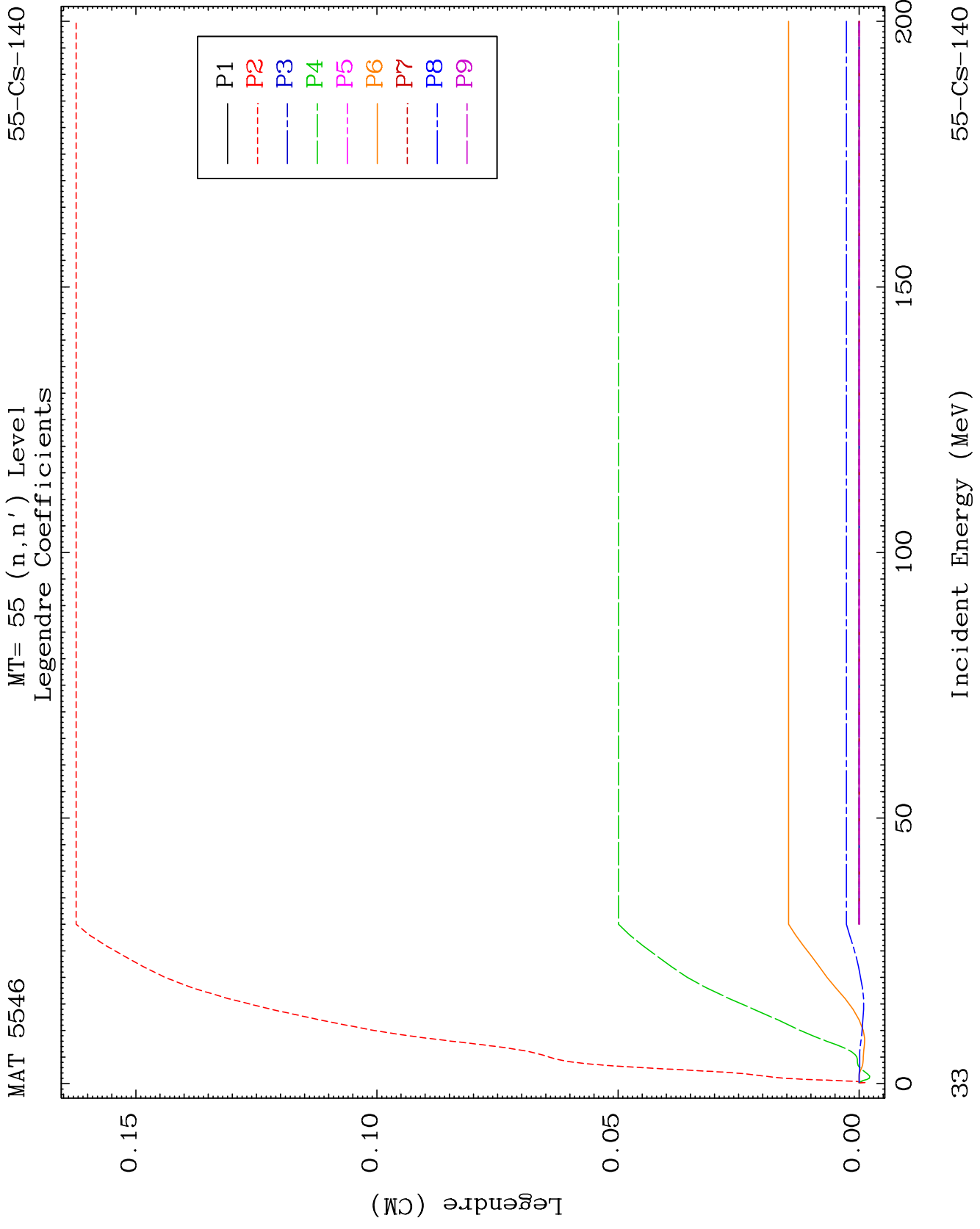
55-Cs-140



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55-Cs-140

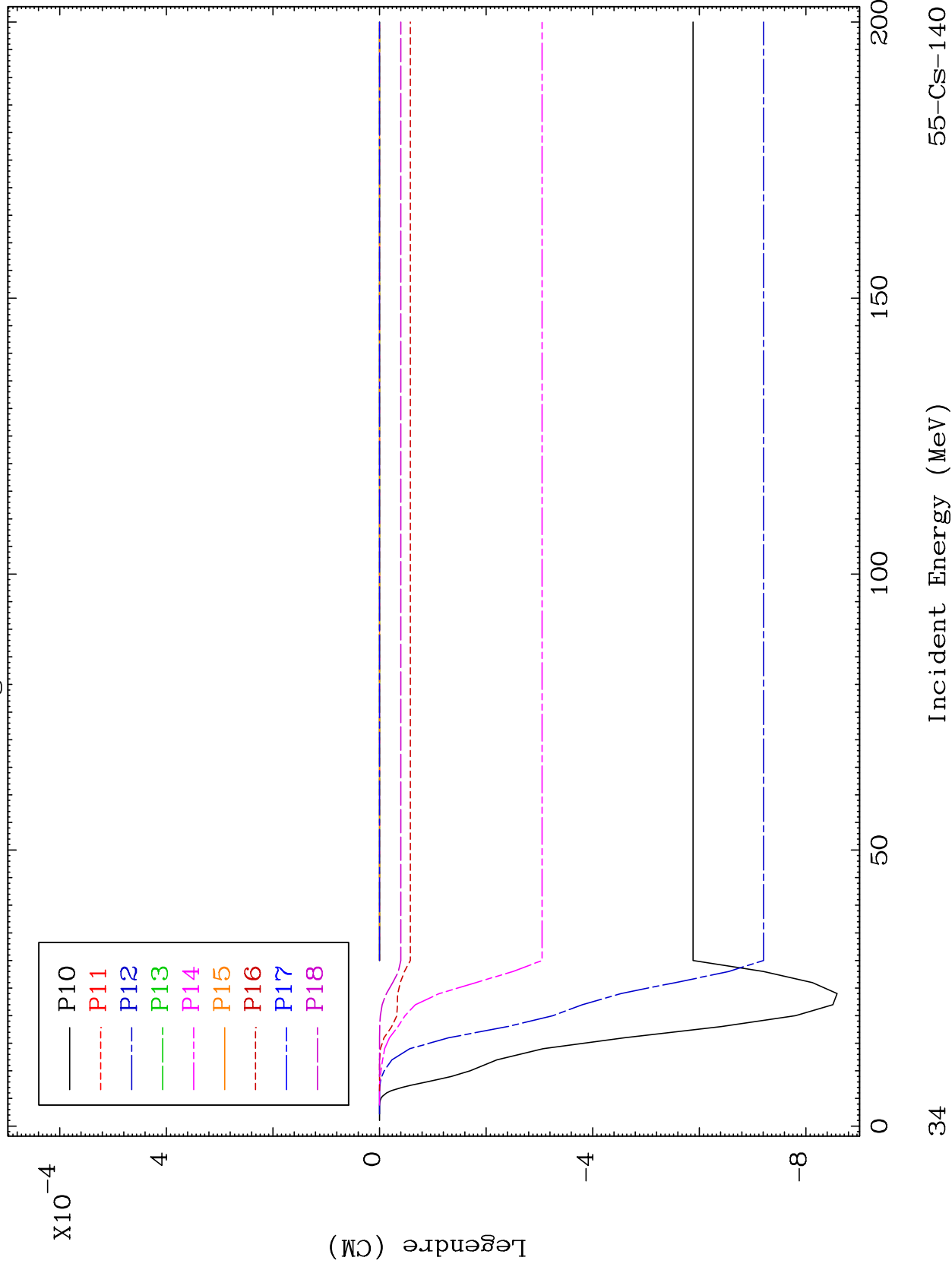




MAT 5546

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

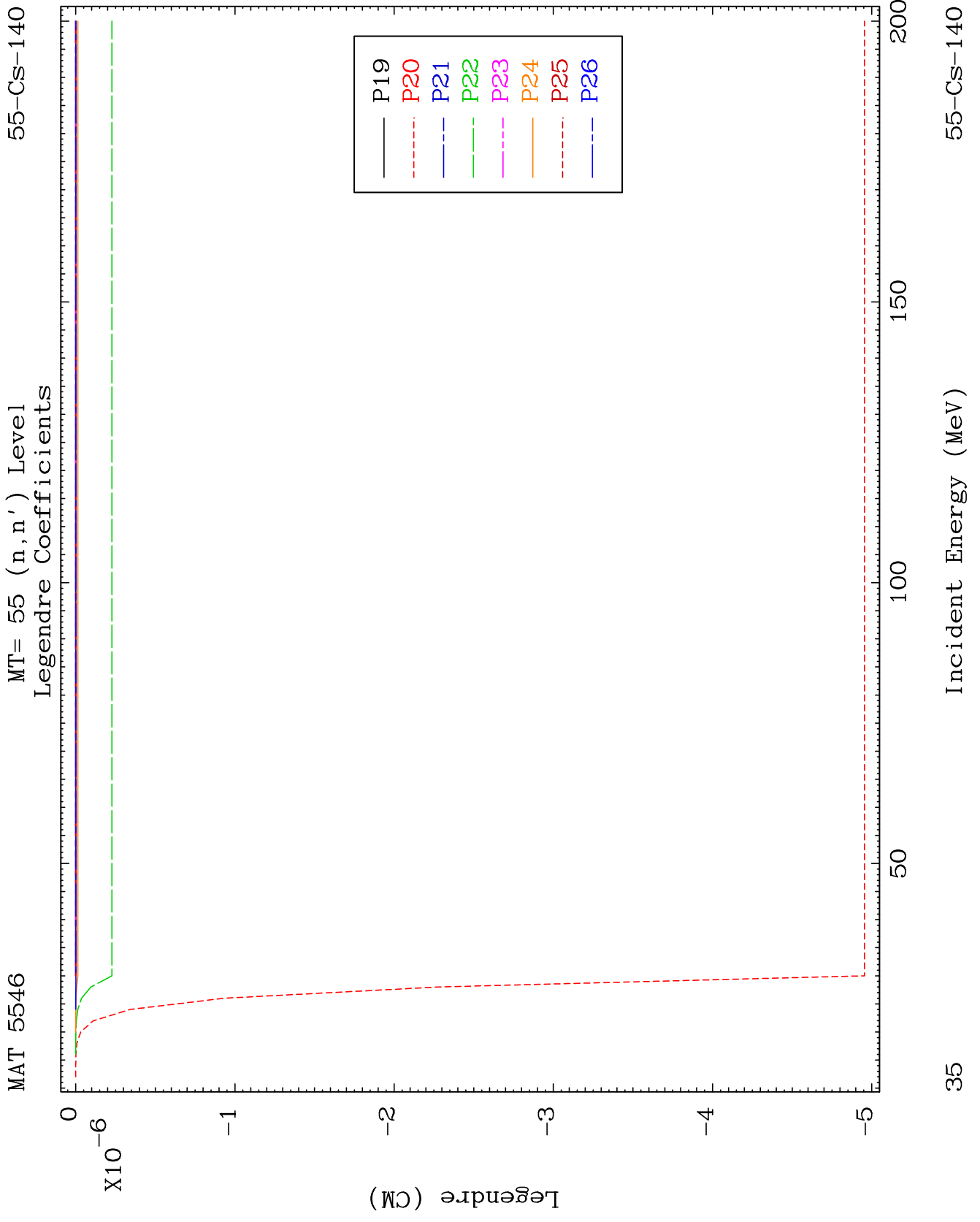
55-Cs-140

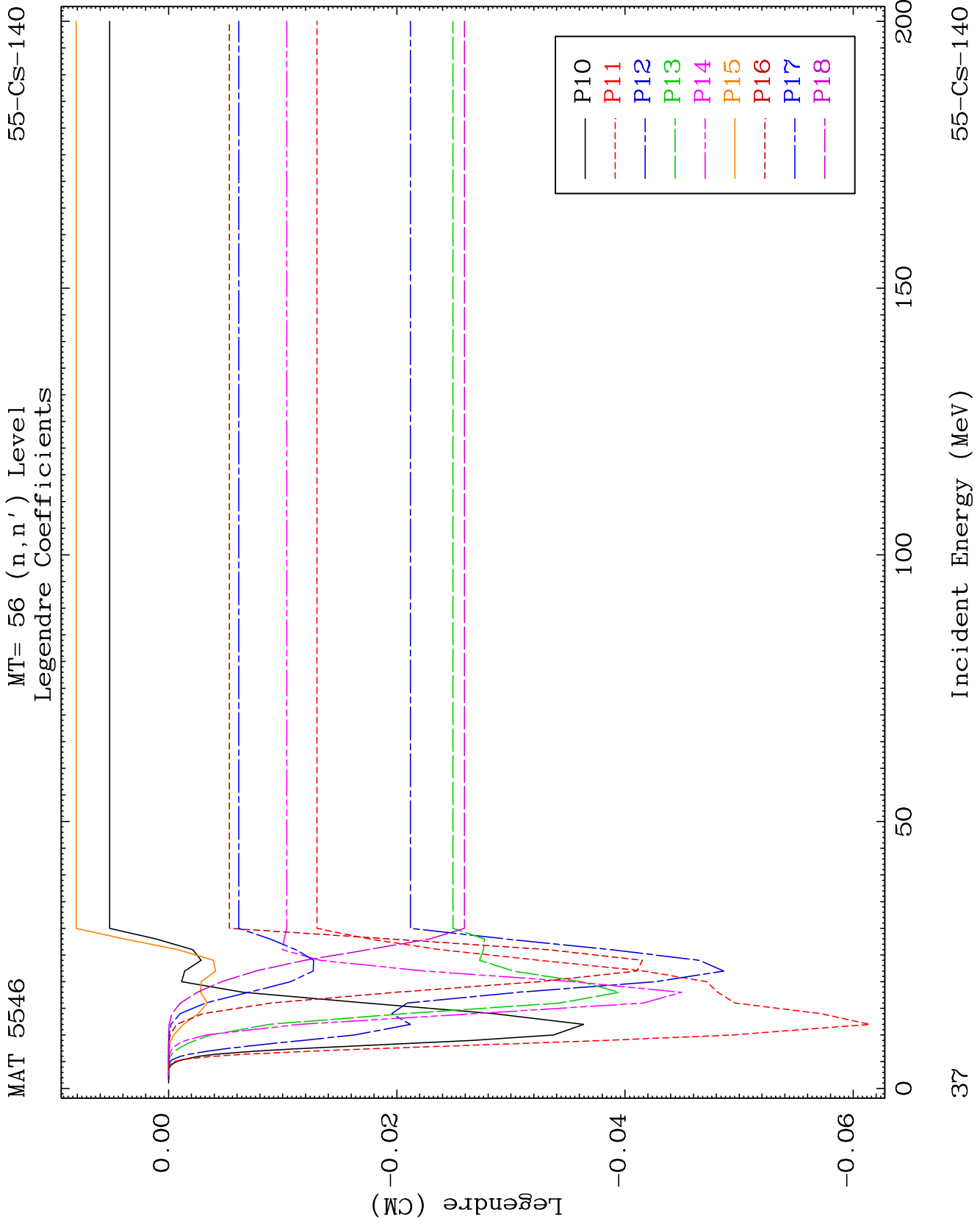


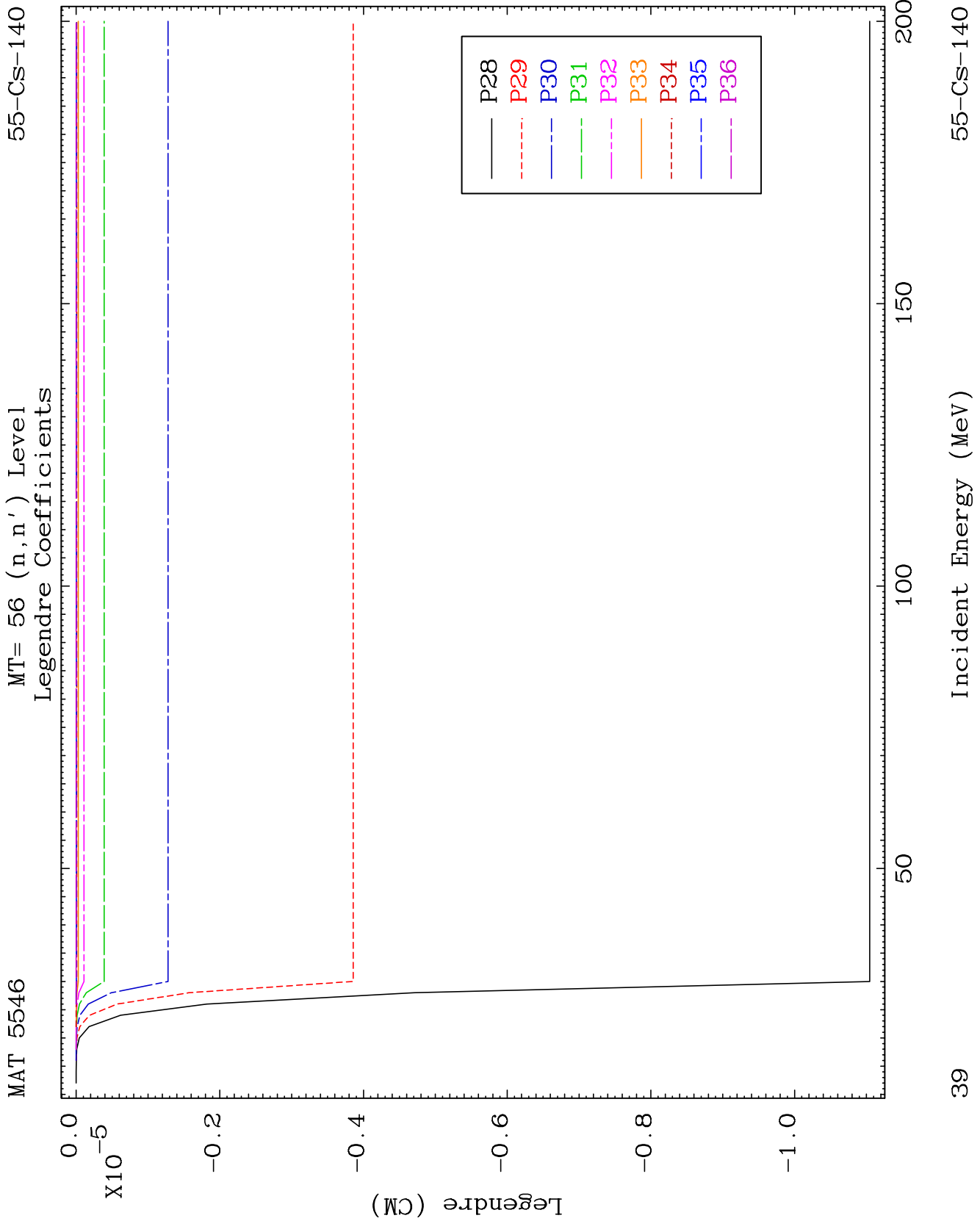
34

Incident Energy (MeV)

55-Cs-140



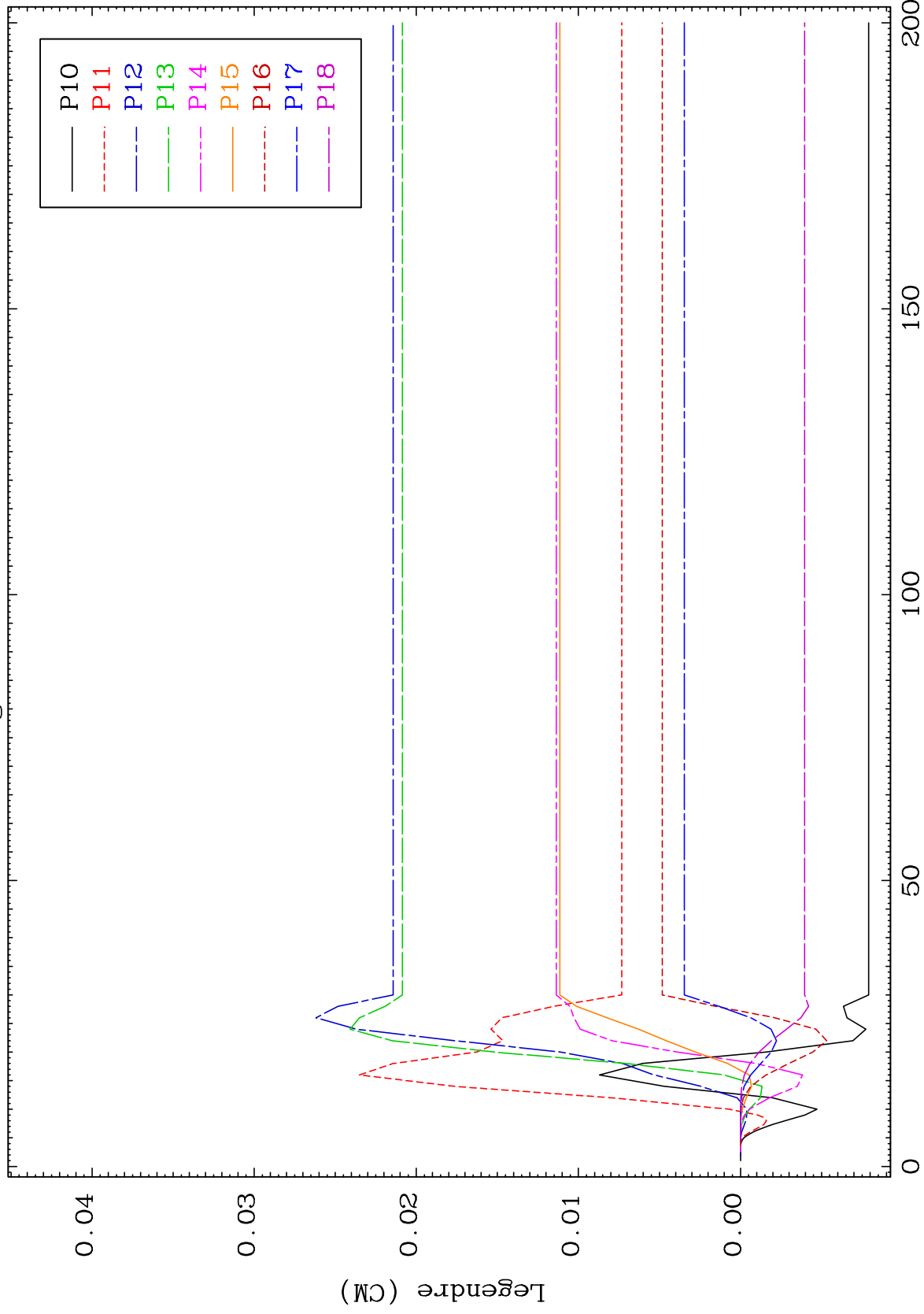




MAT 5546

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

55-Cs-140



41

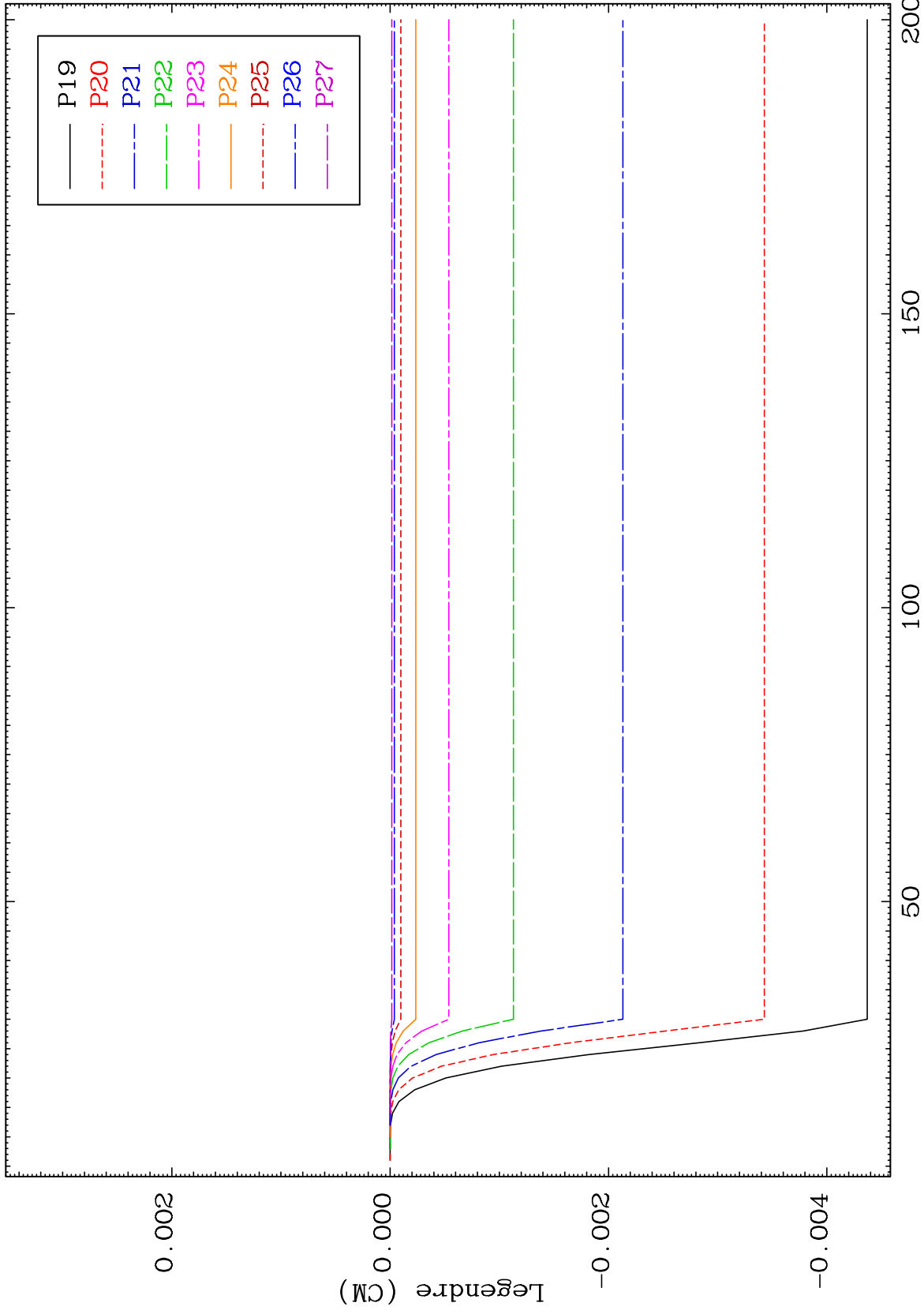
Incident Energy (MeV)

55-Cs-140

MAT 5546

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

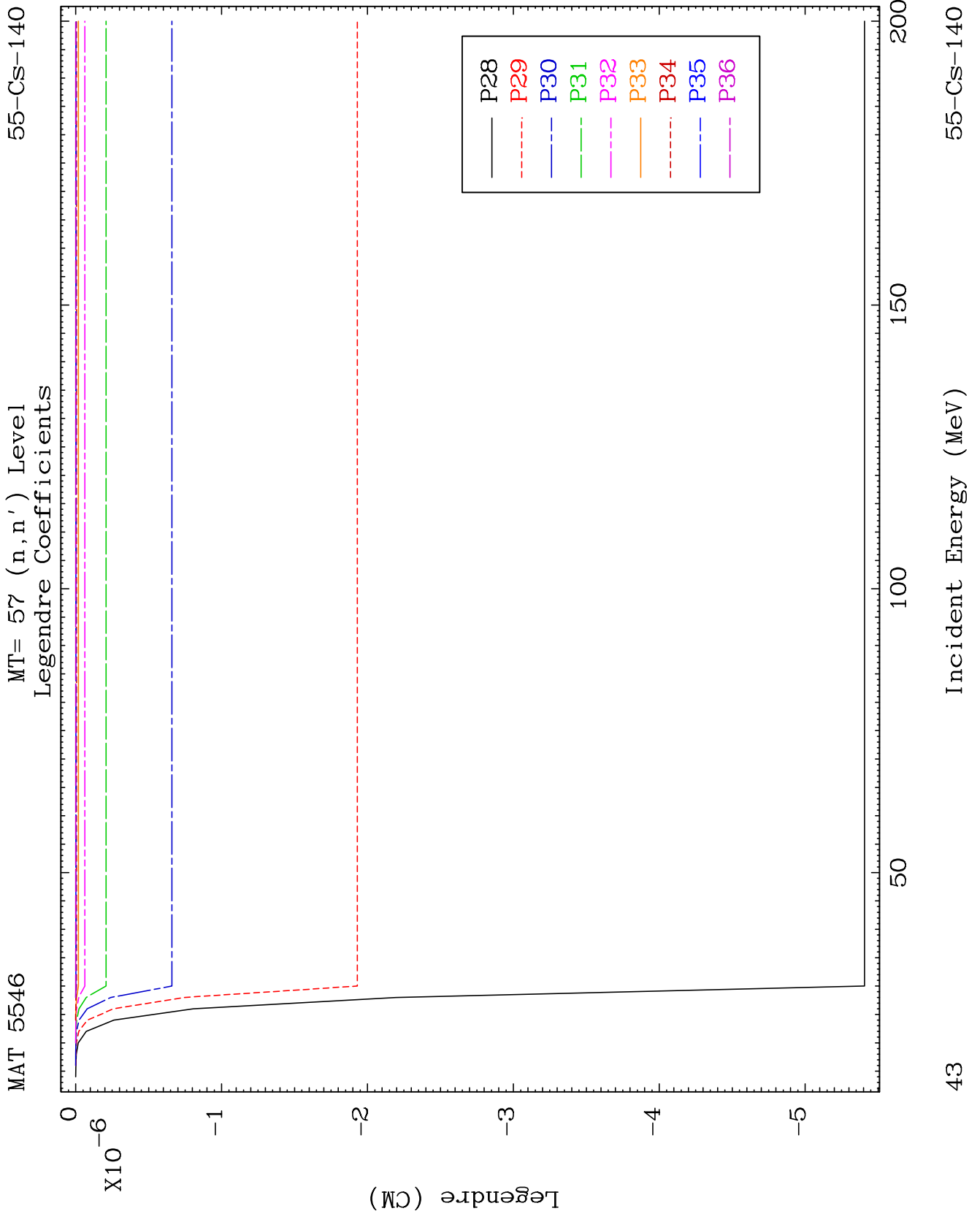
55-Cs-140



42

Incident Energy (MeV)

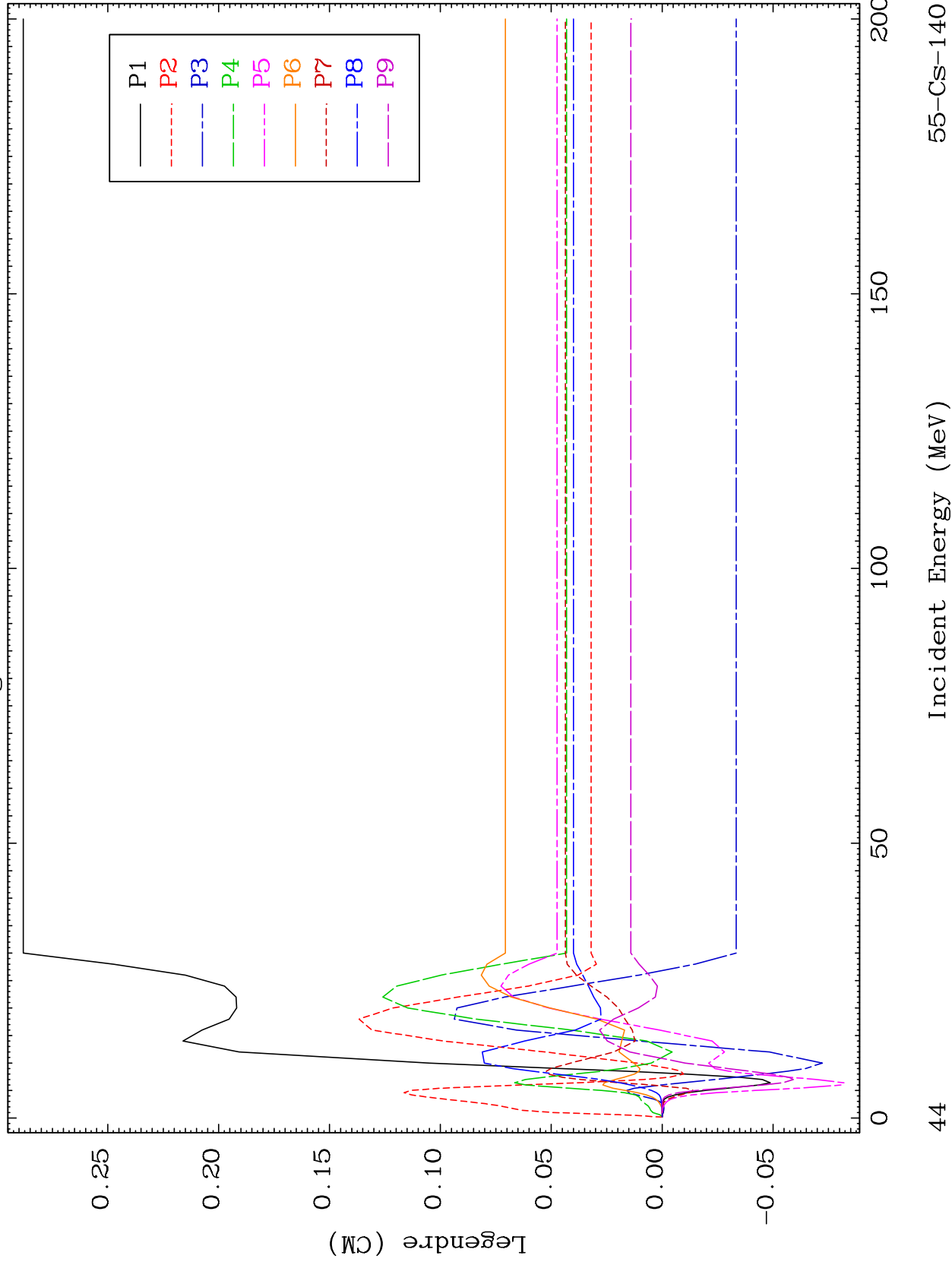
55-Cs-140



MAT 5546

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

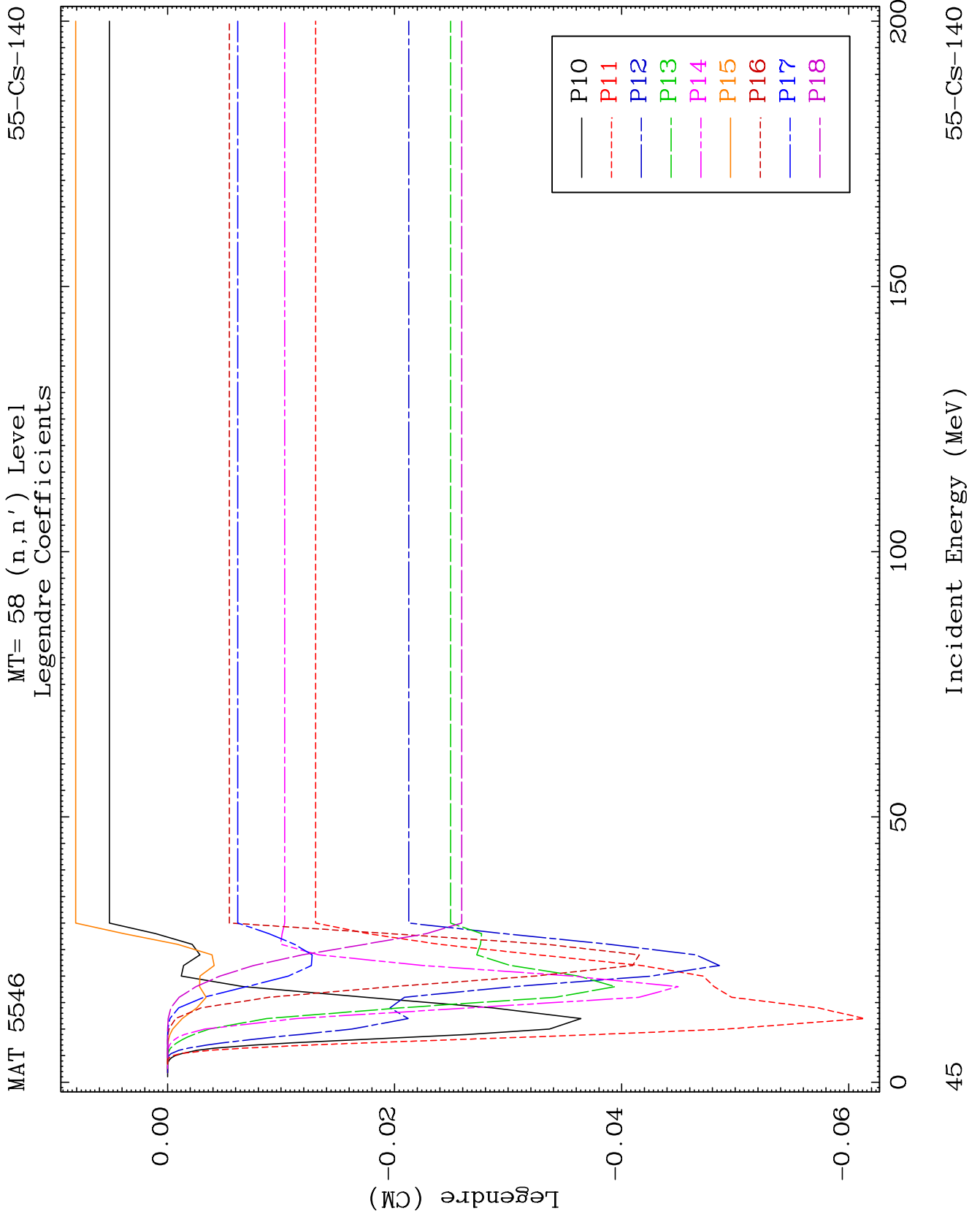
55-Cs-140

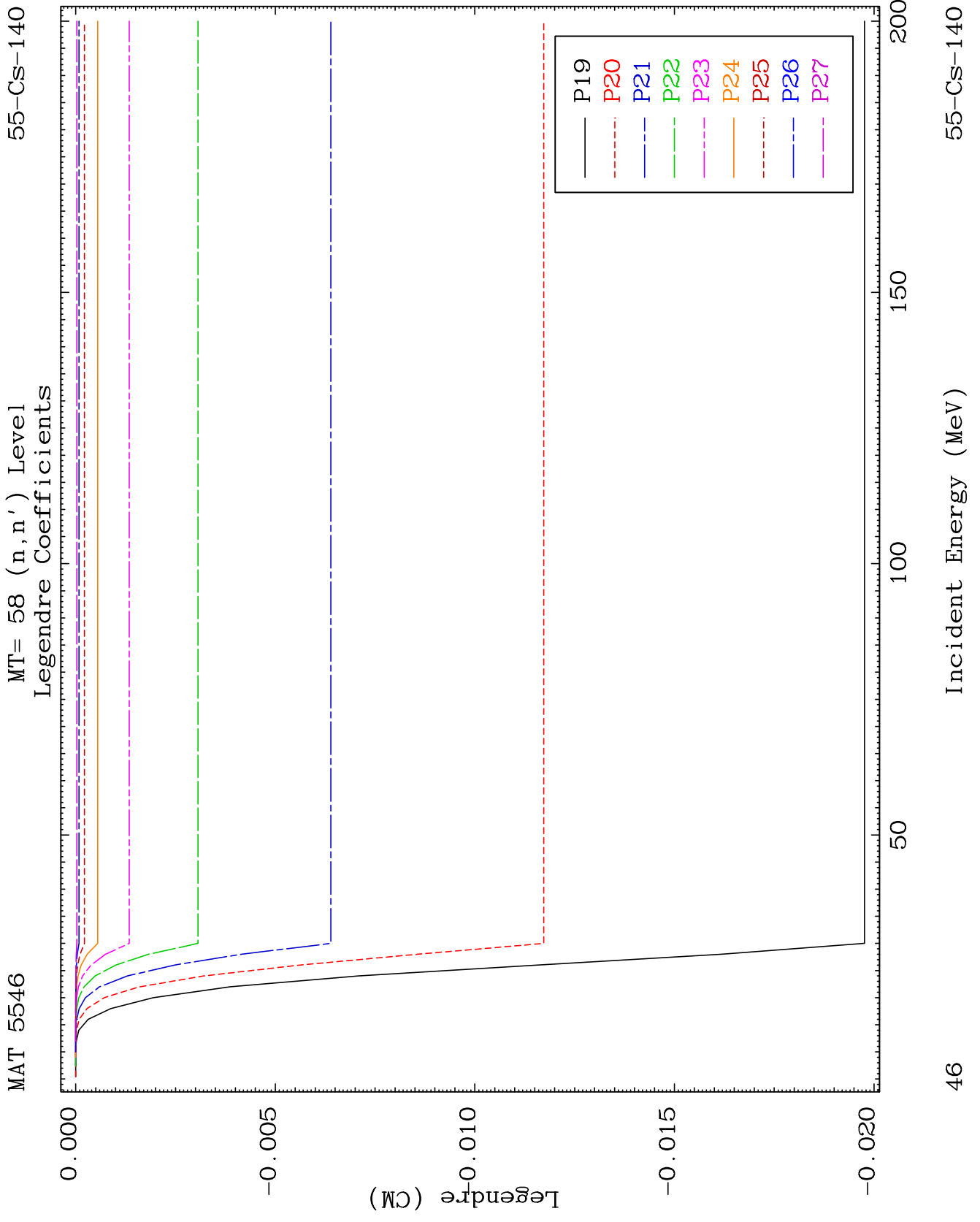


44

Incident Energy (MeV)

55-Cs-140

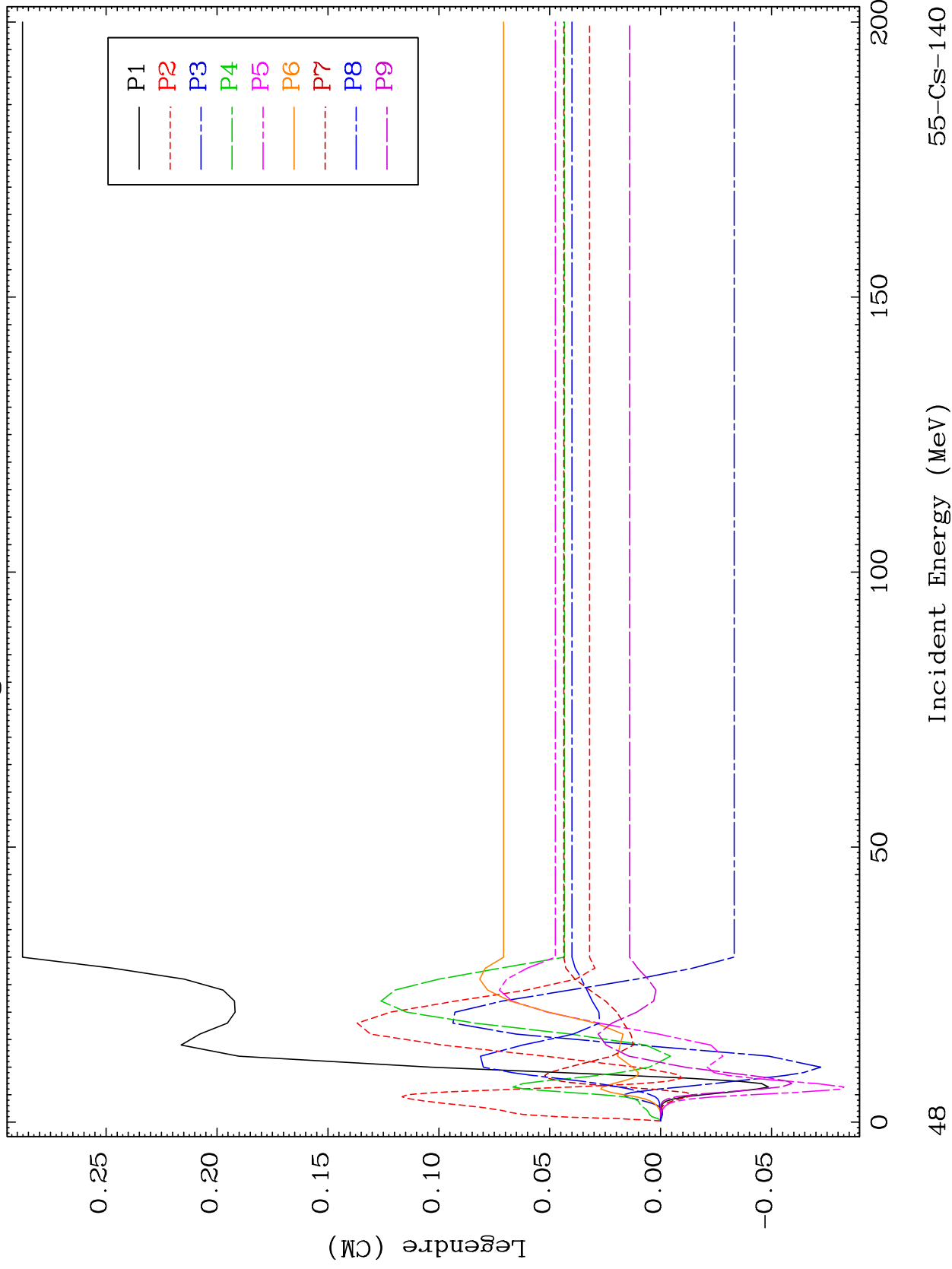




MAT 5546

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

55-Cs-140



48

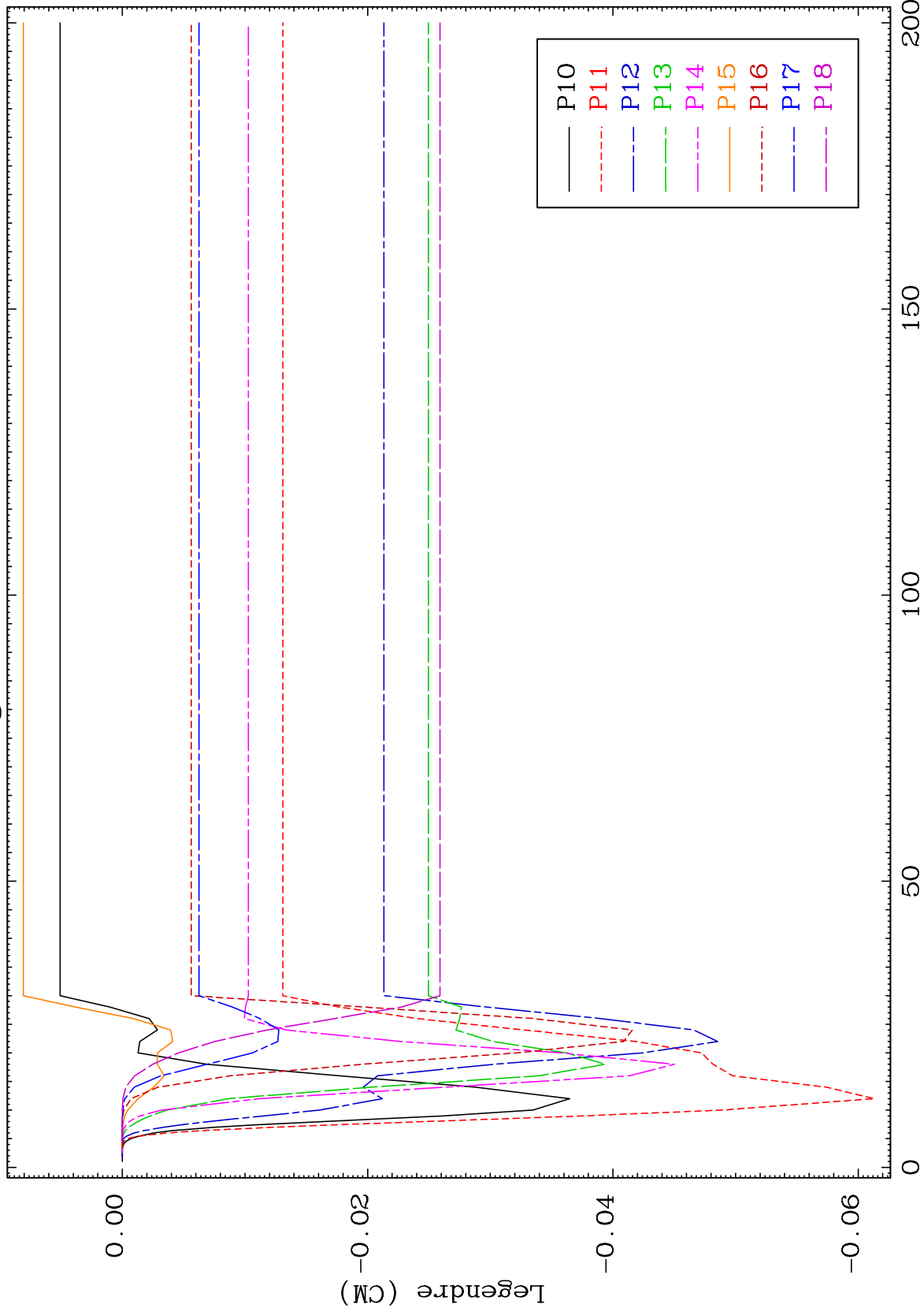
Incident Energy (MeV)

55-Cs-140

MAT 5546

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

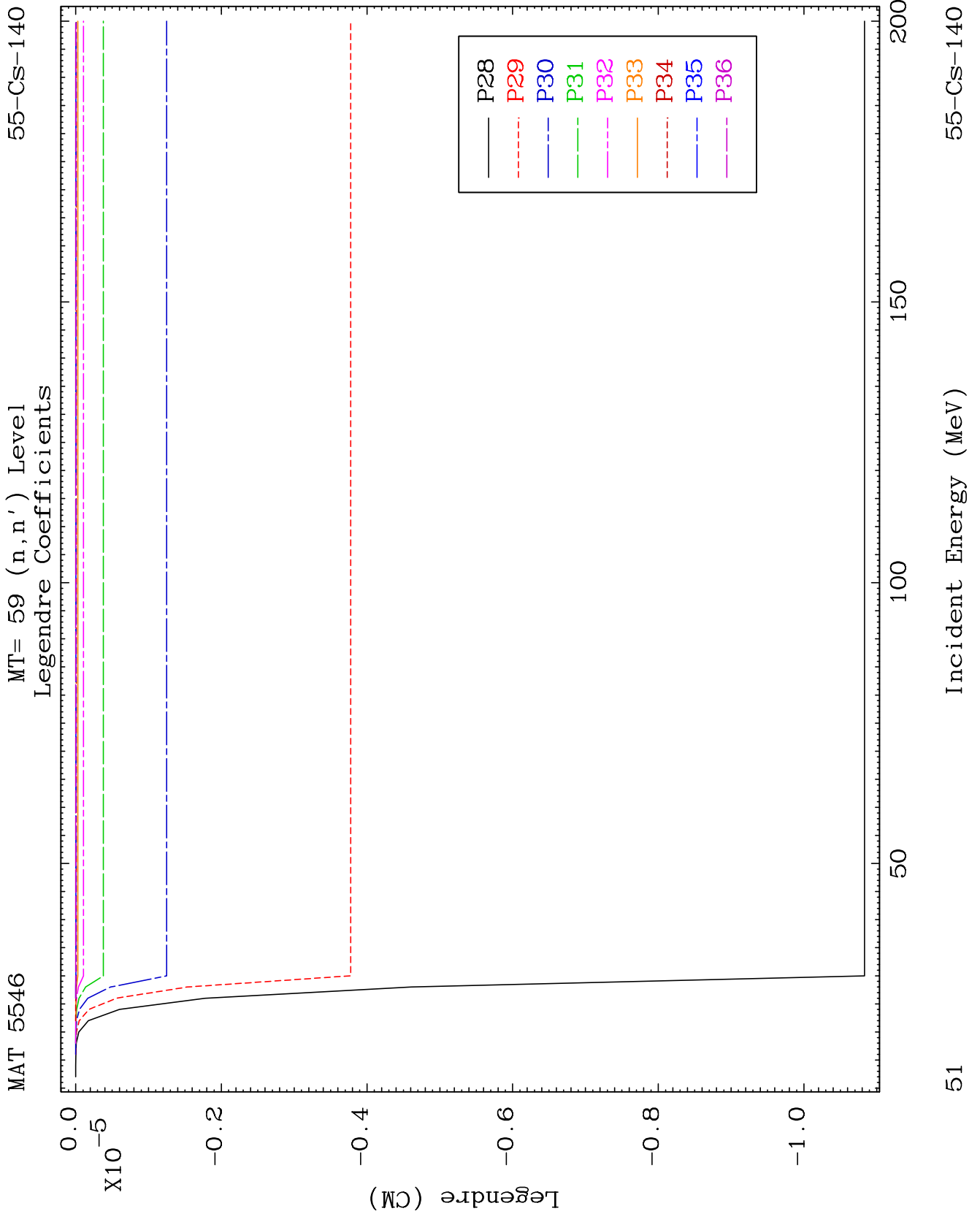
55-Cs-140

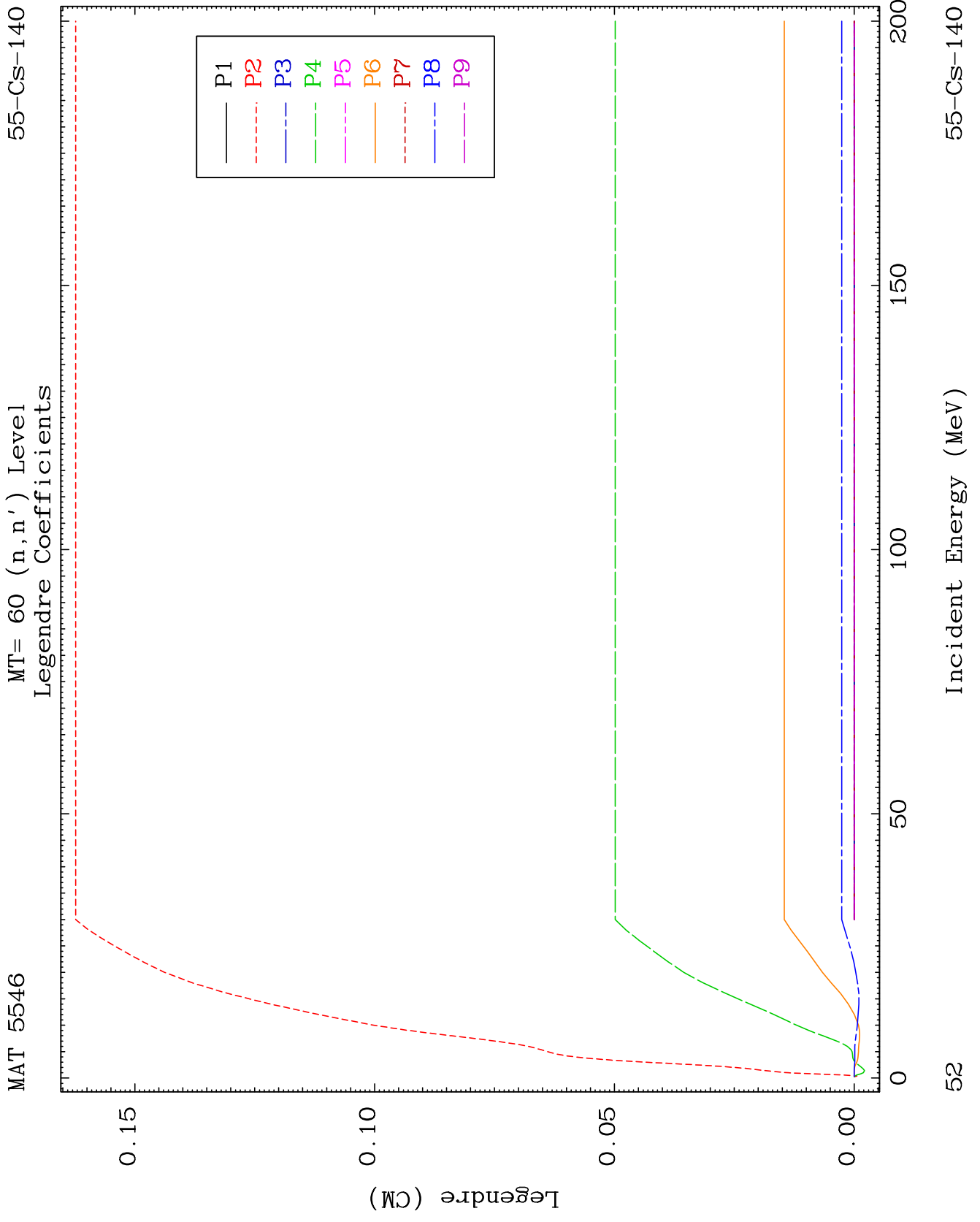


49

Incident Energy (MeV)

55-Cs-140

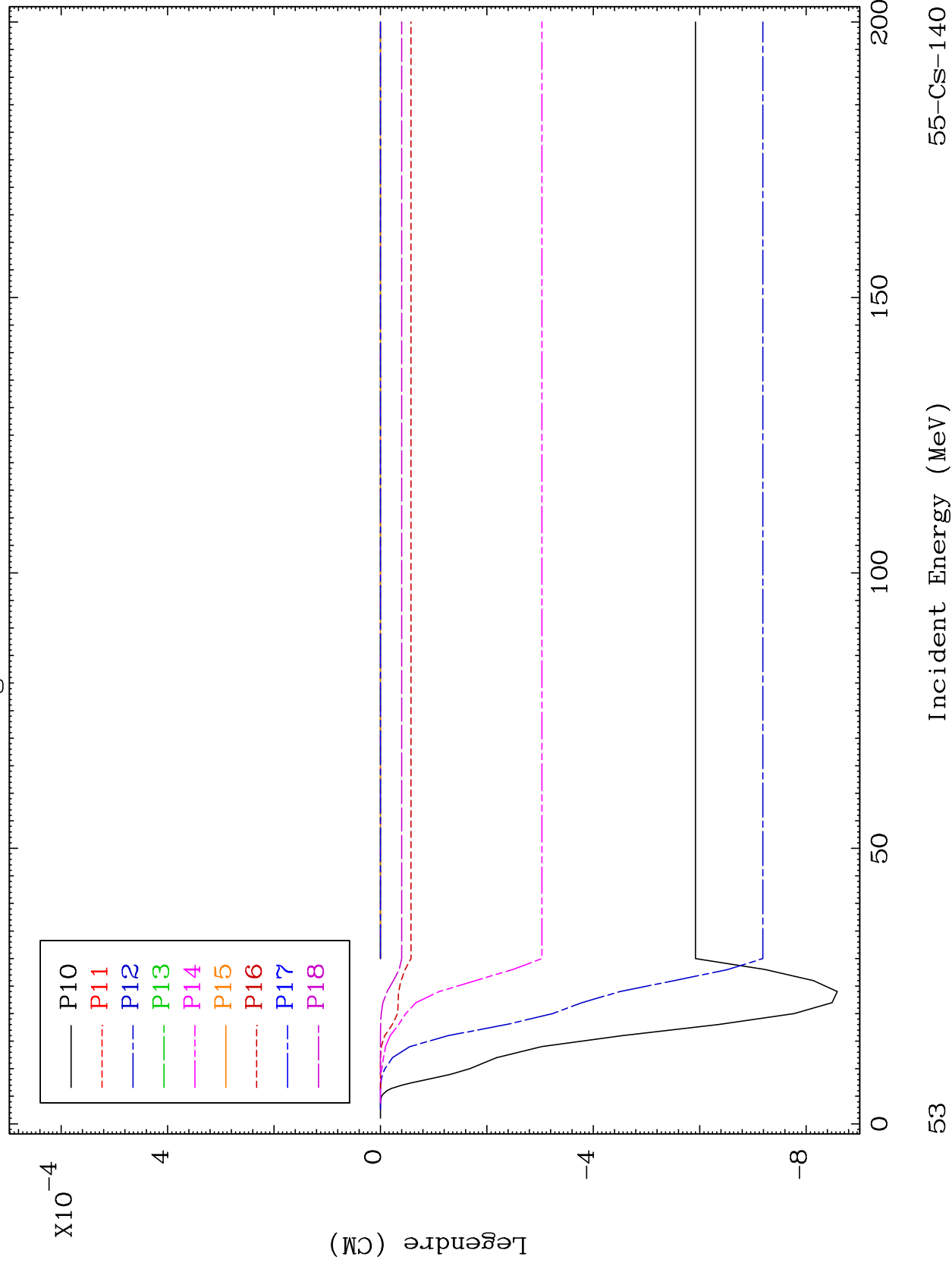




MAT 5546

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

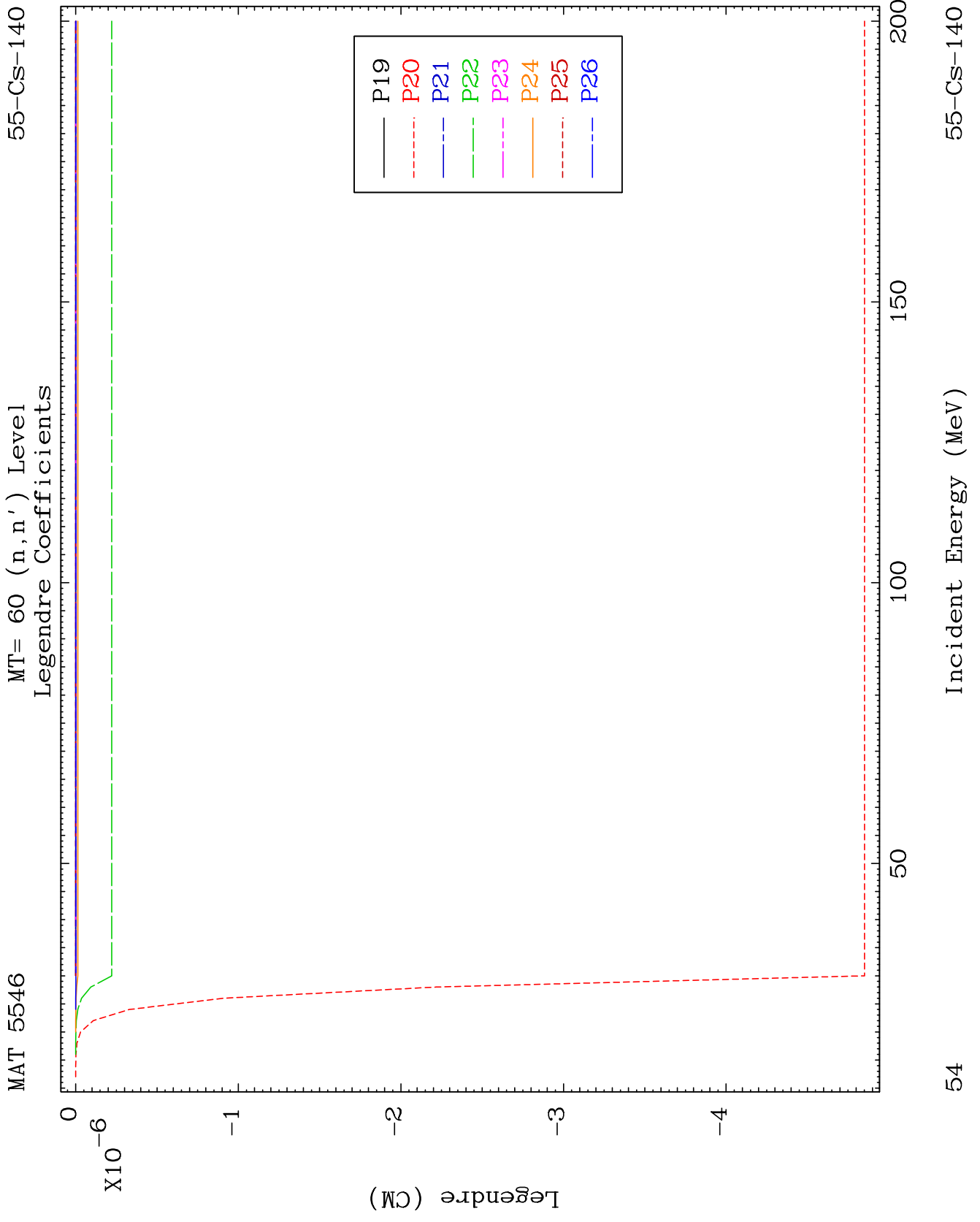
55-Cs-140



53

Incident Energy (MeV)

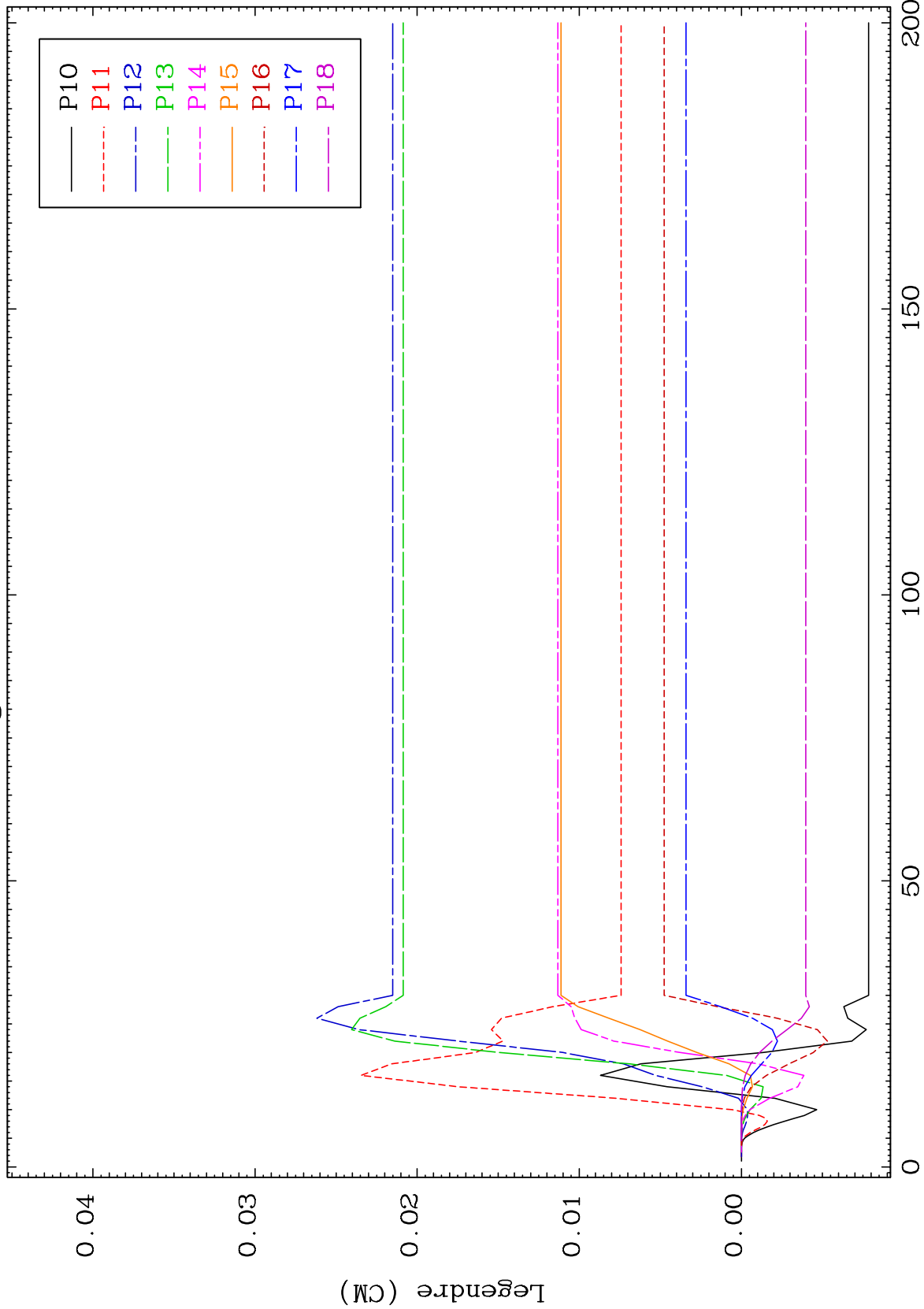
55-Cs-140



MAT 5546

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

55-Cs-140



56

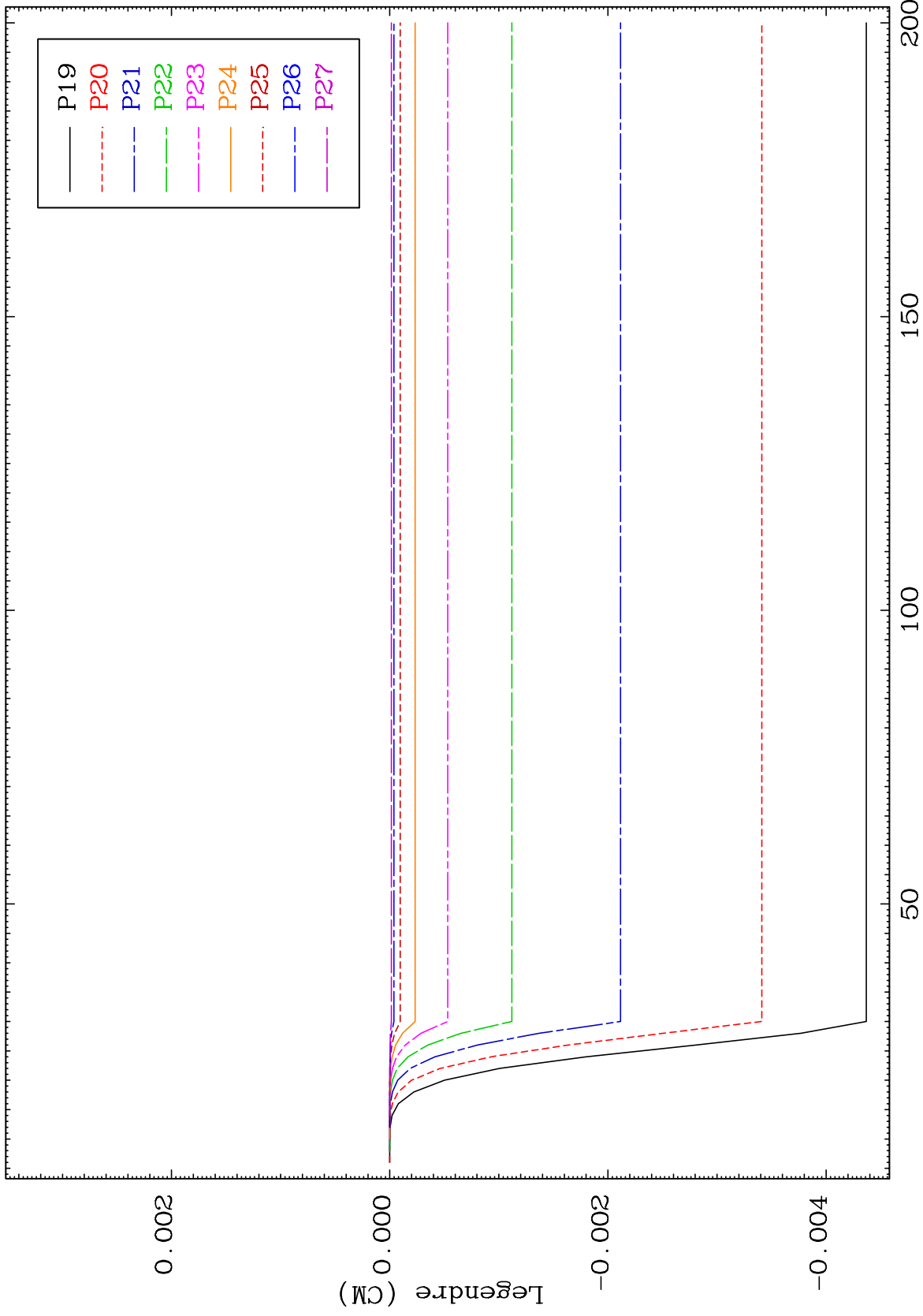
Incident Energy (MeV)

55-Cs-140

MAT 5546

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

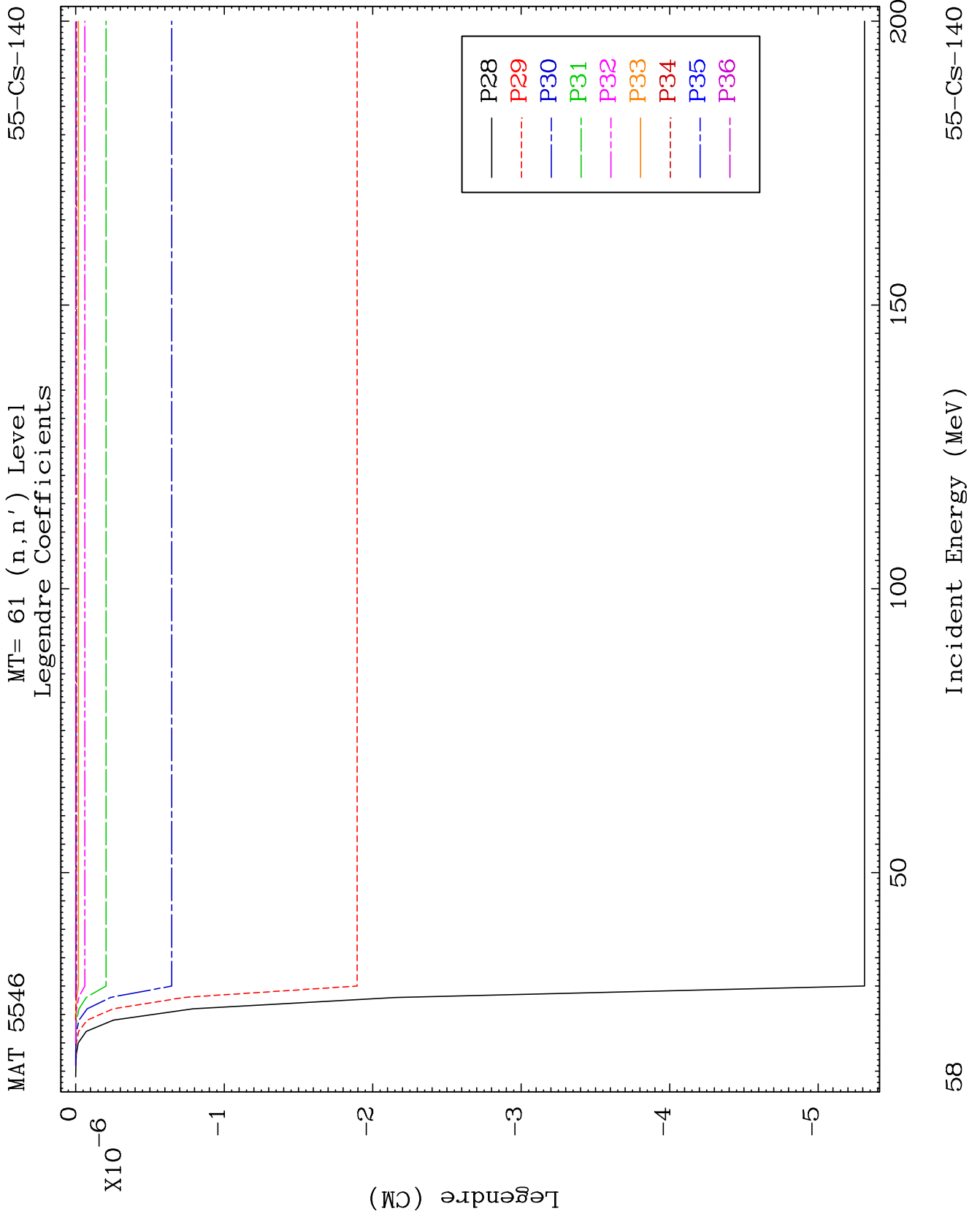
55-Cs-140

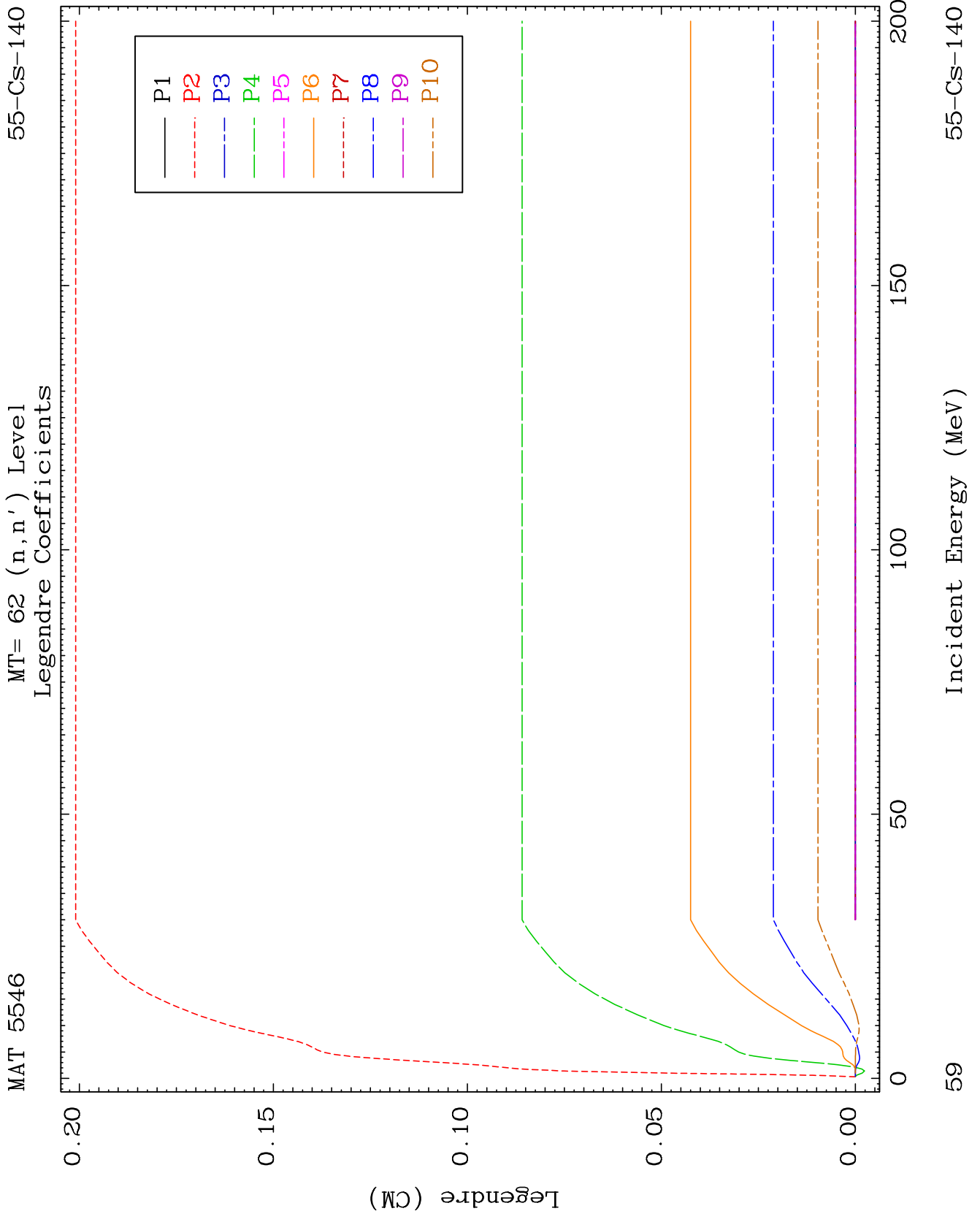


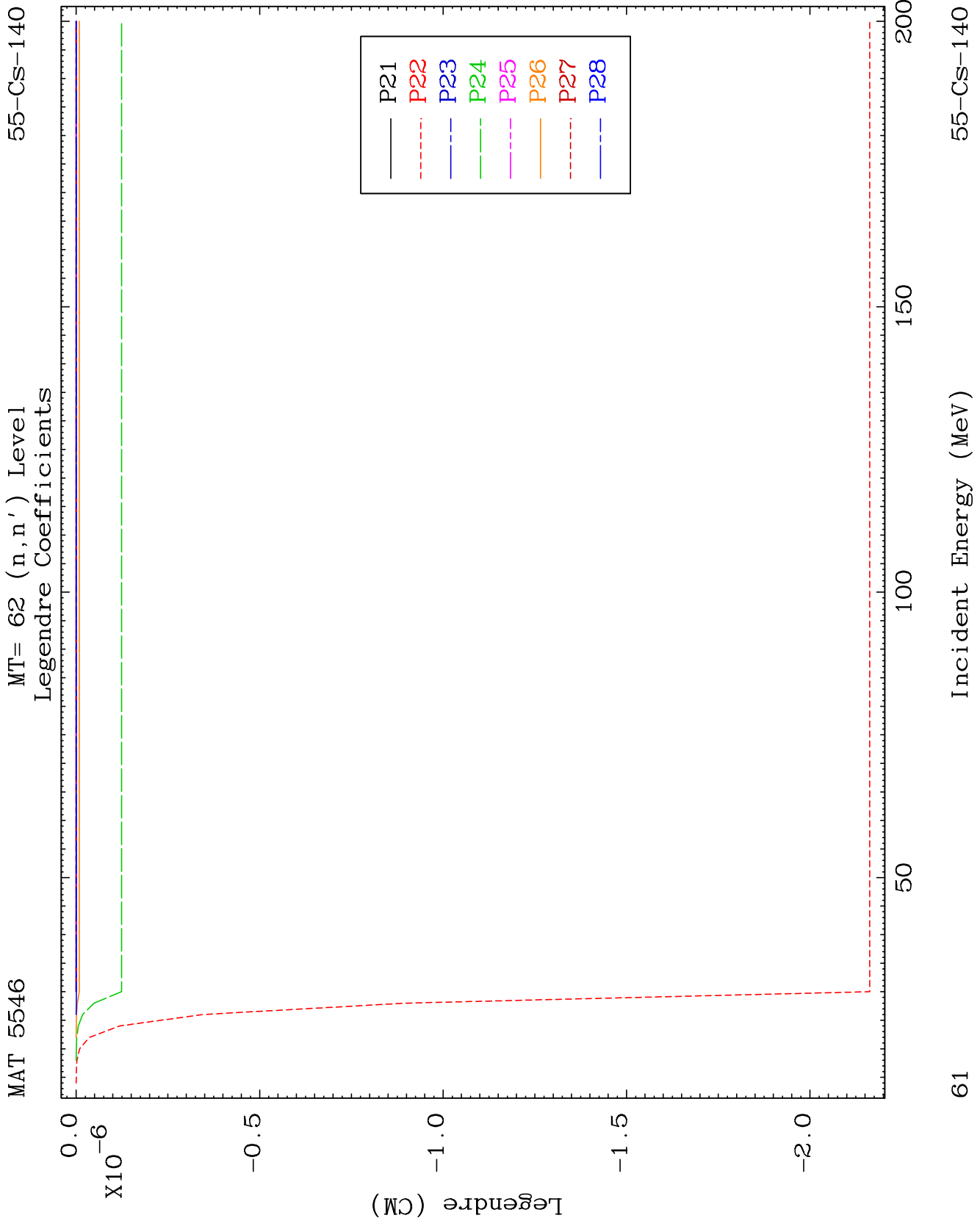
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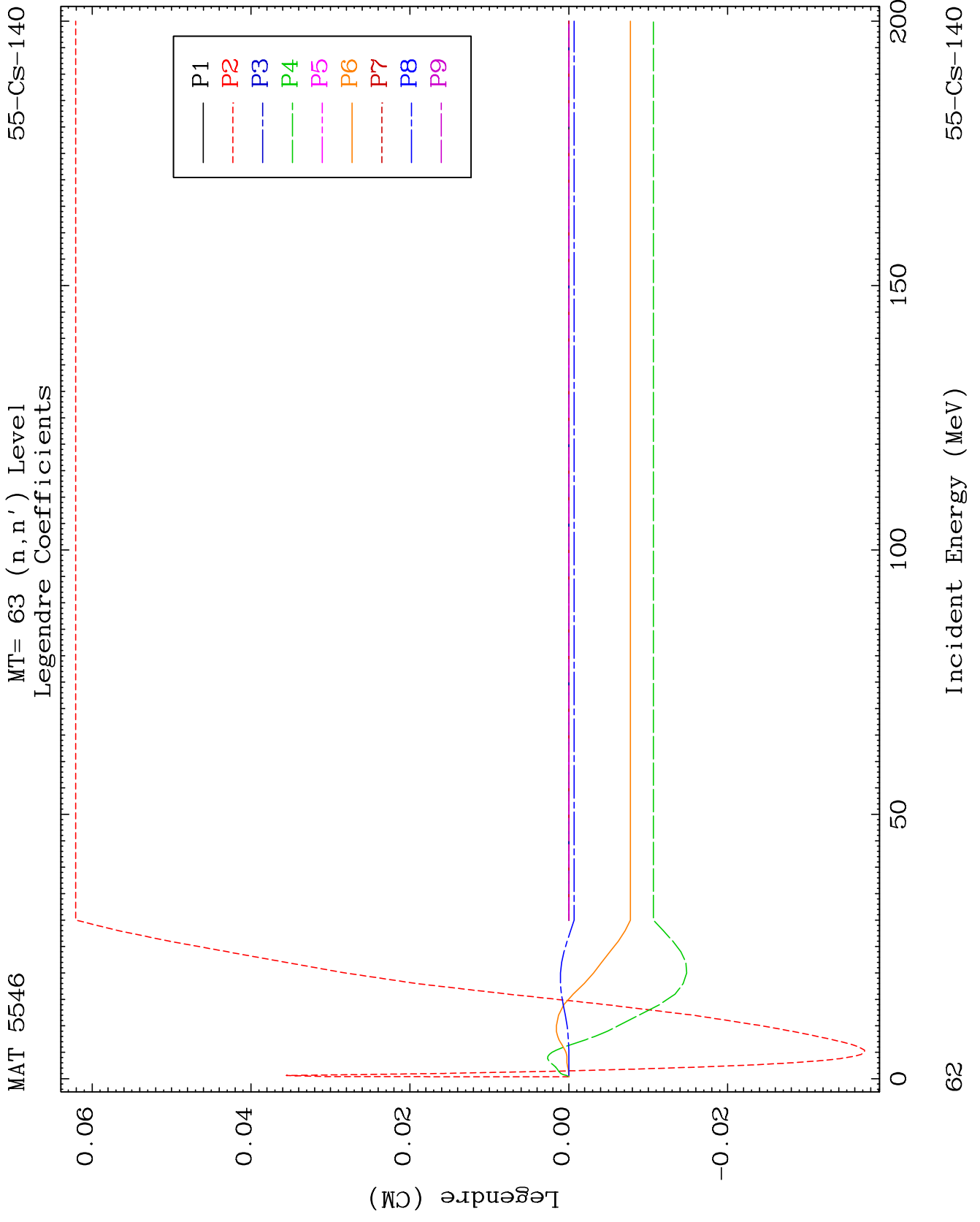
Incident Energy (MeV)

55-Cs-140





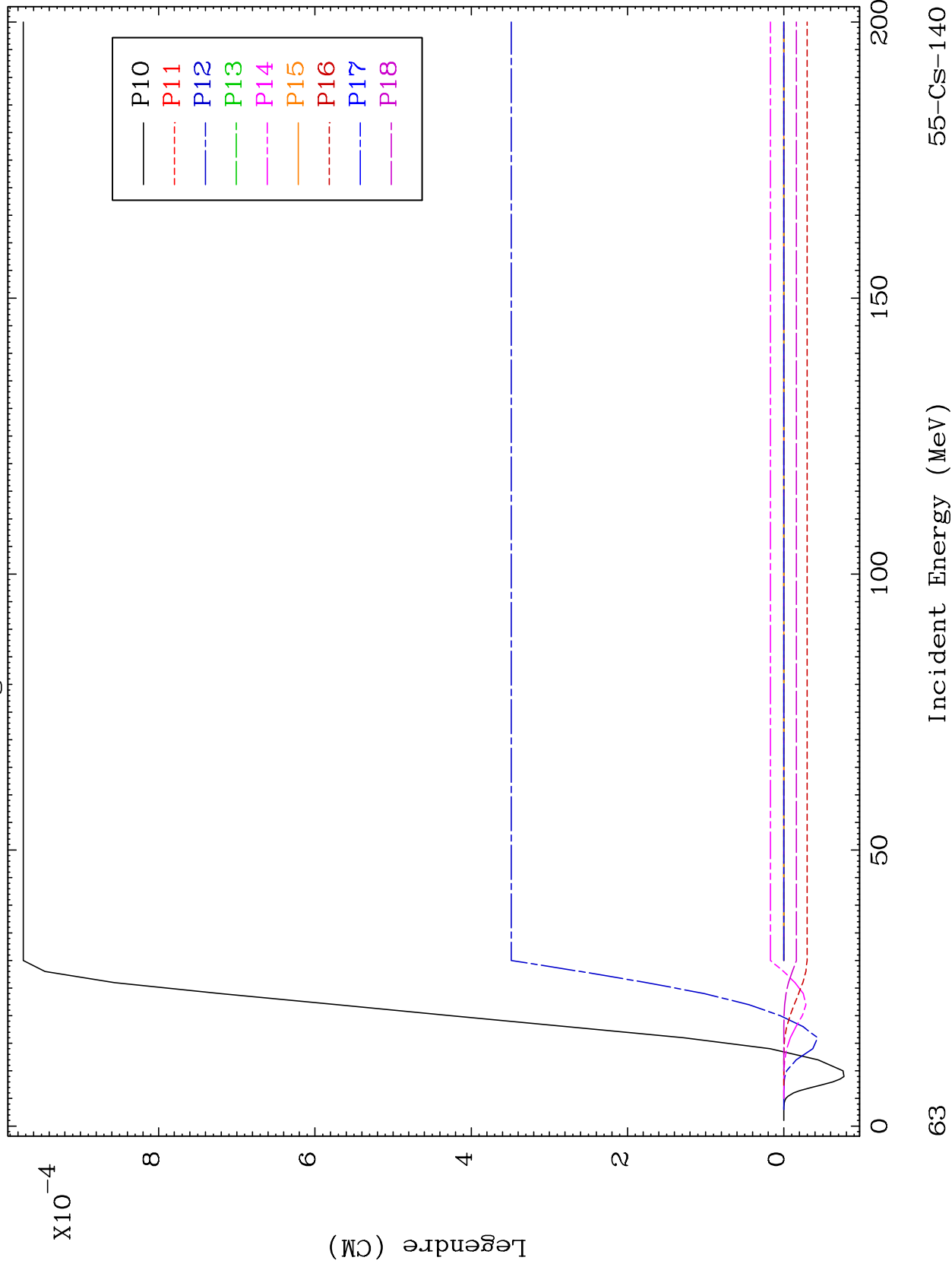




MAT 5546

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

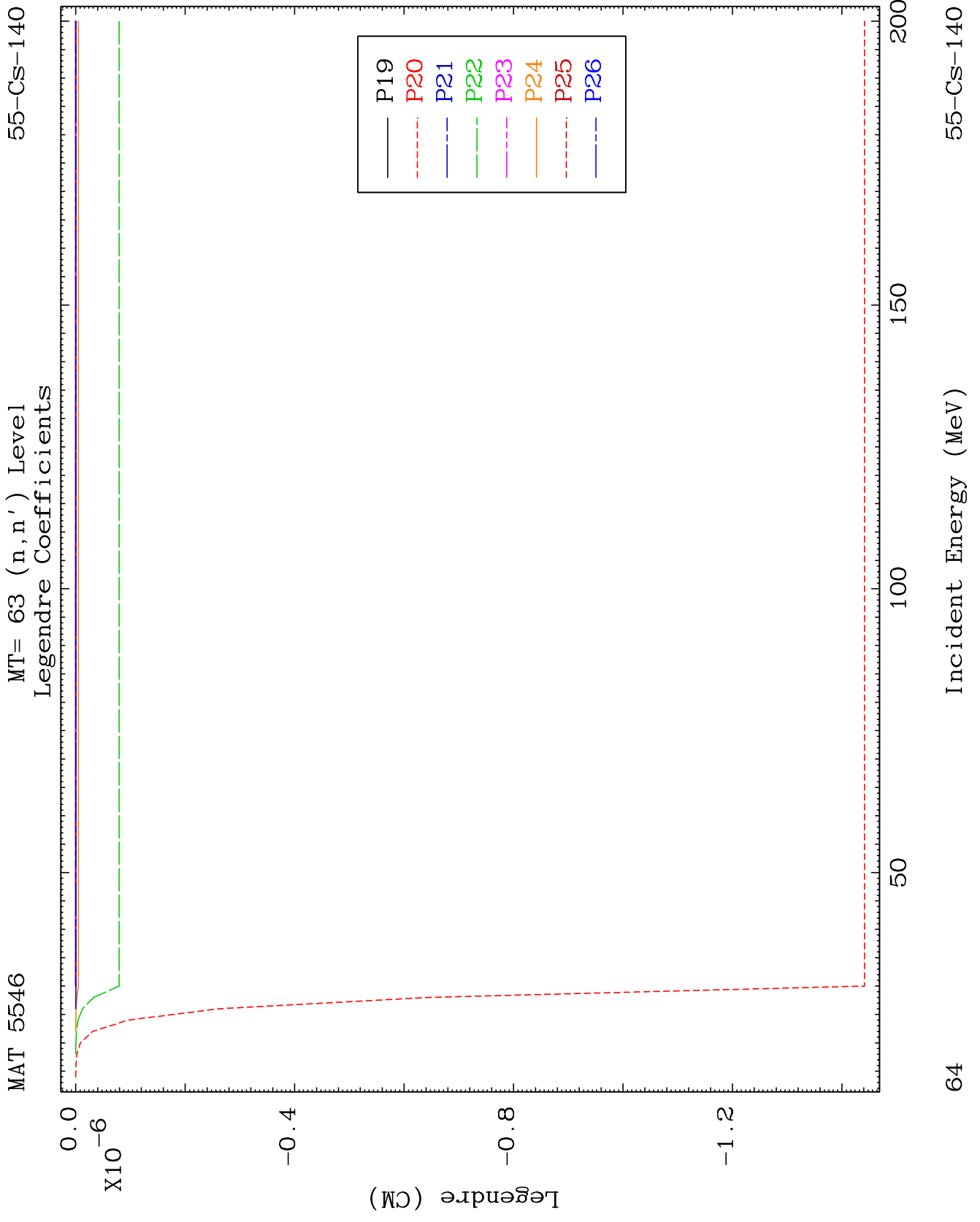
55-Cs-140



55-Cs-140

Incident Energy (MeV)

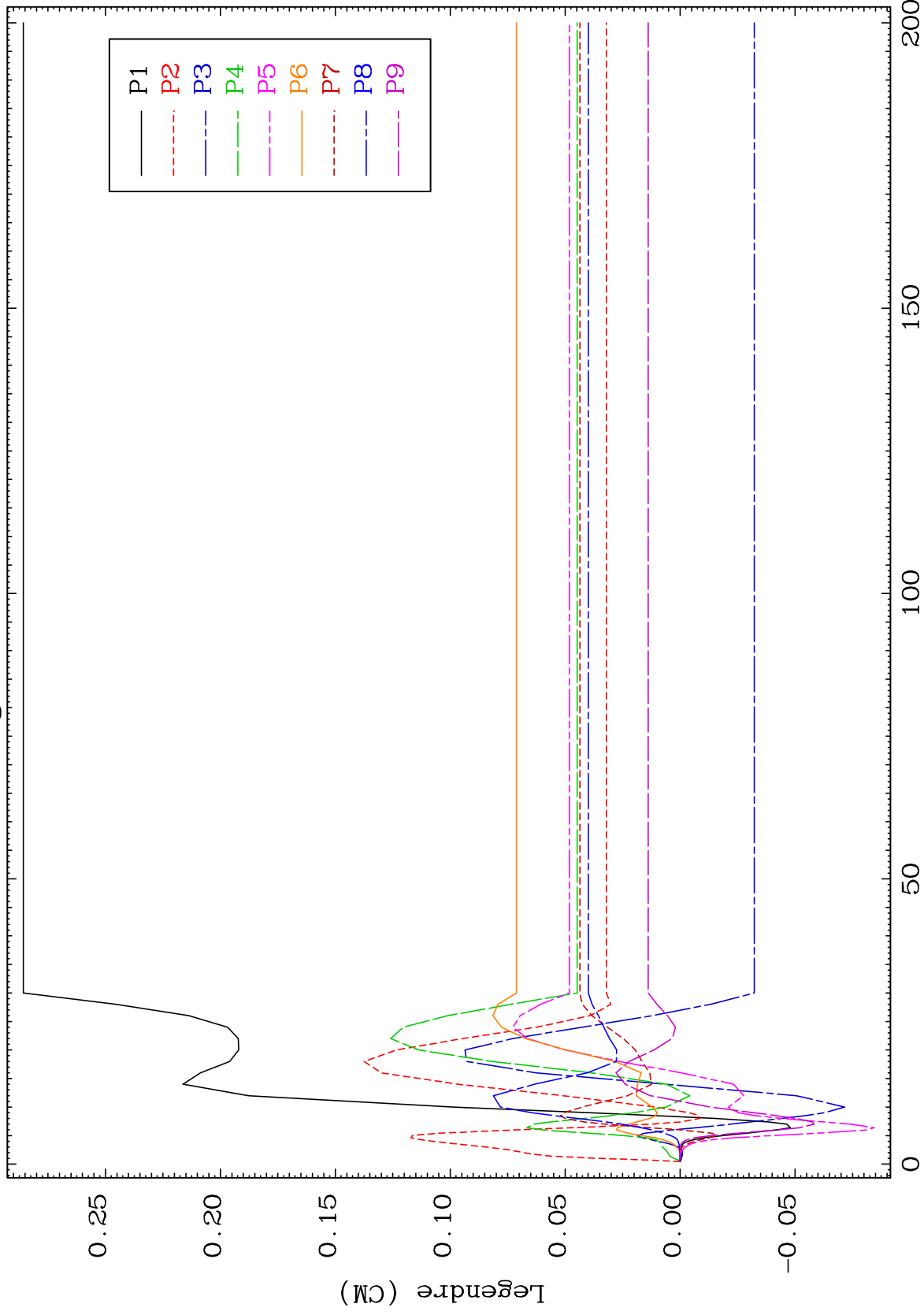
63



MAT 5546

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

55-Cs-140



65

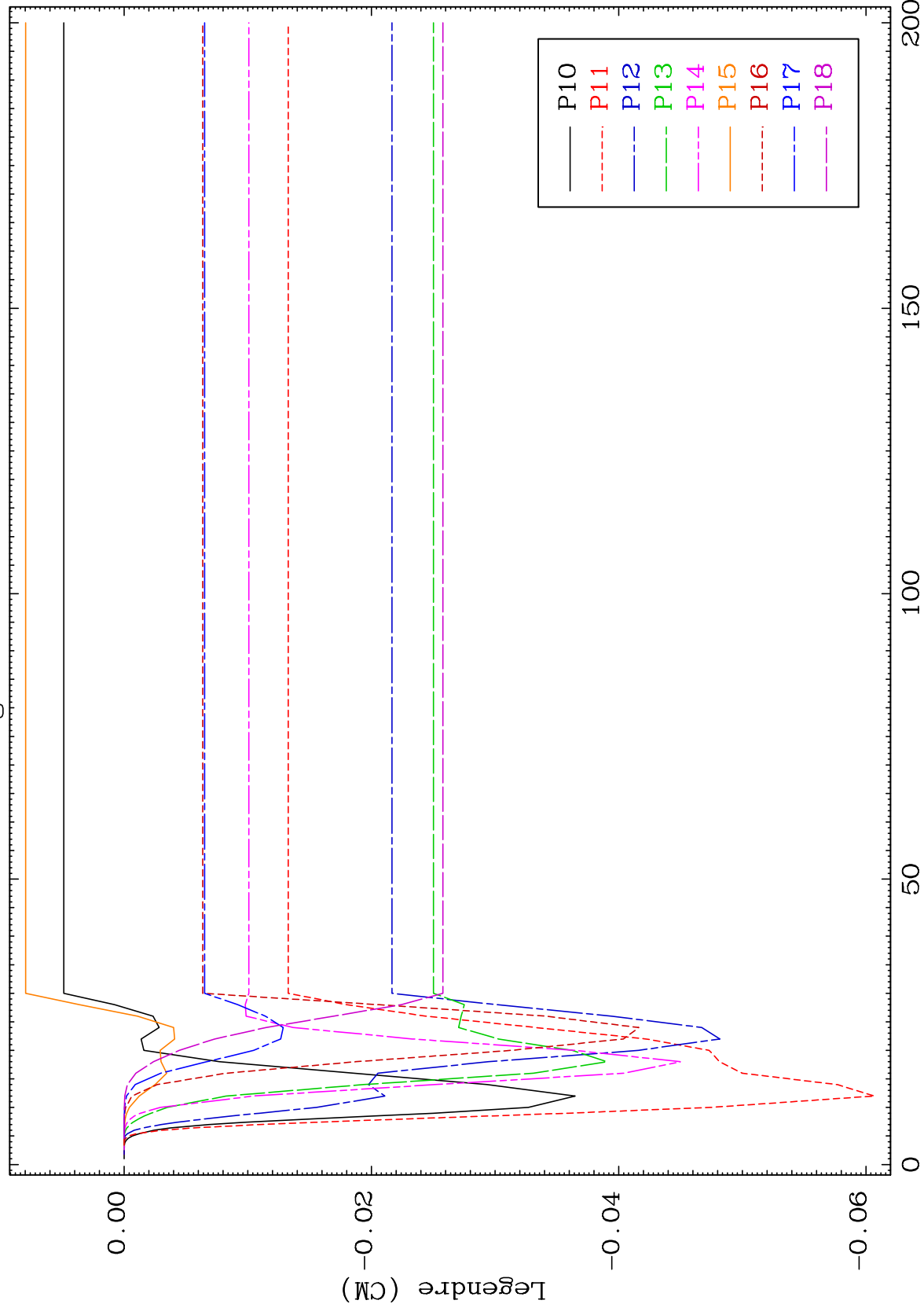
Incident Energy (MeV)

55-Cs-140

MAT 5546

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

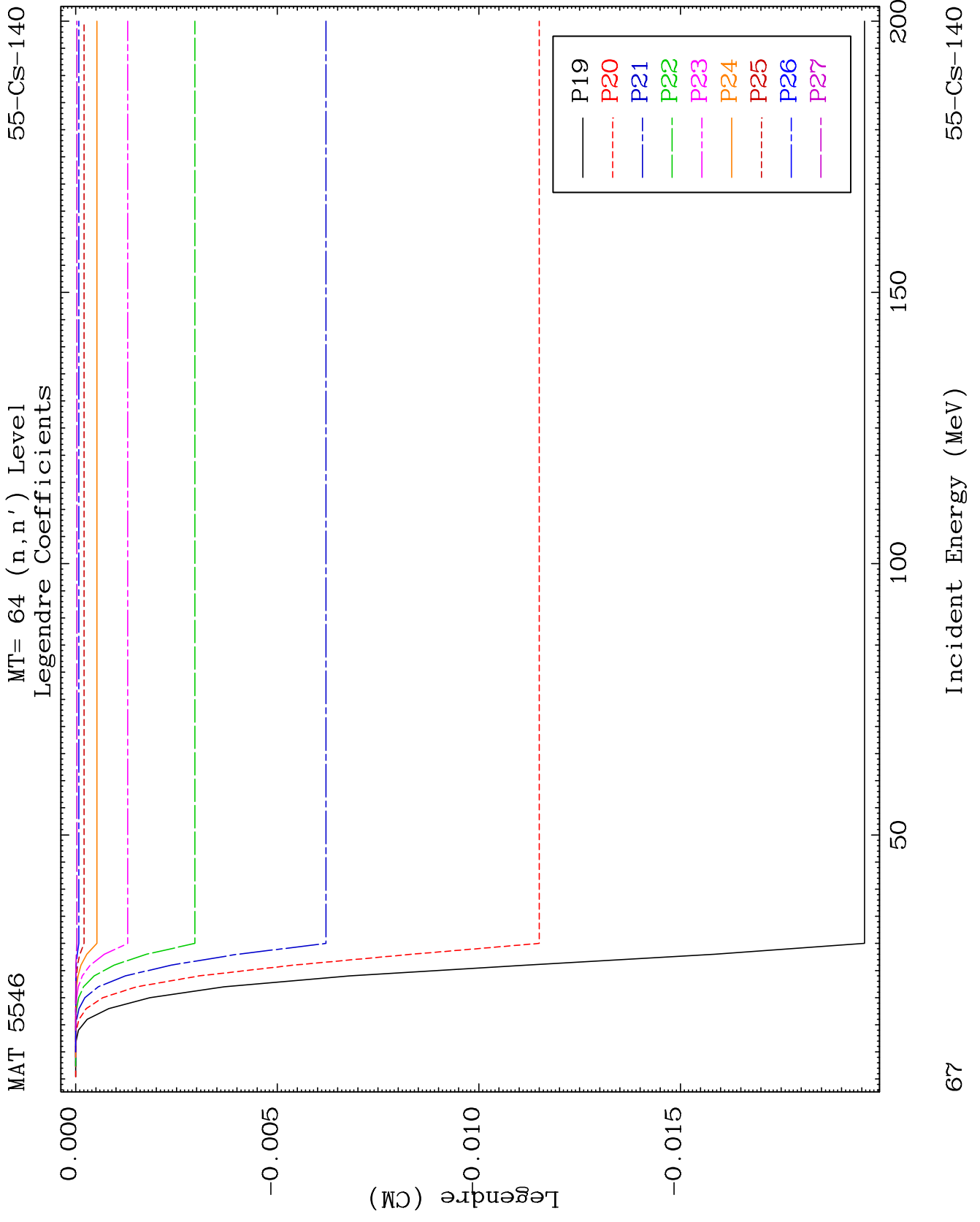
55-Cs-140

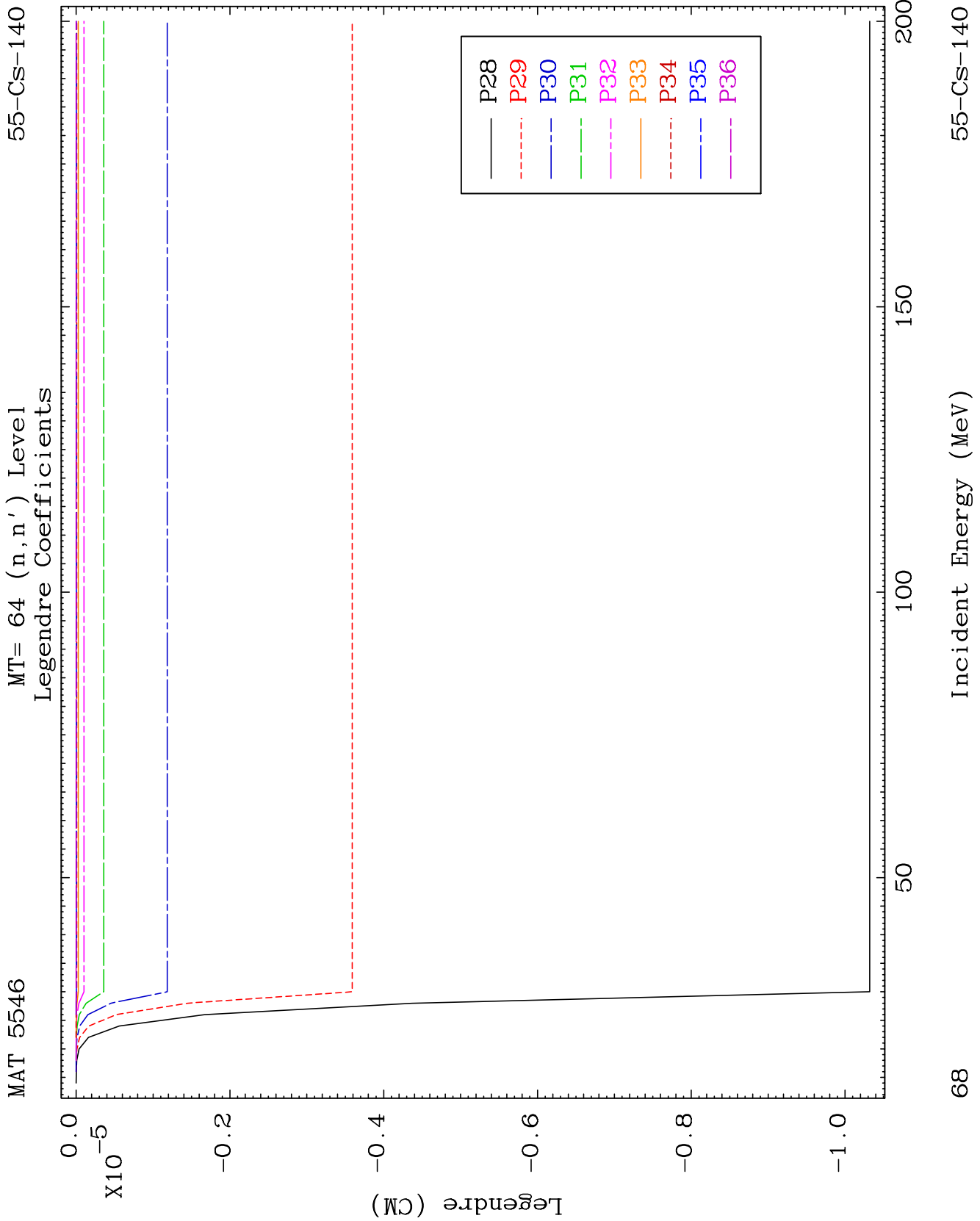


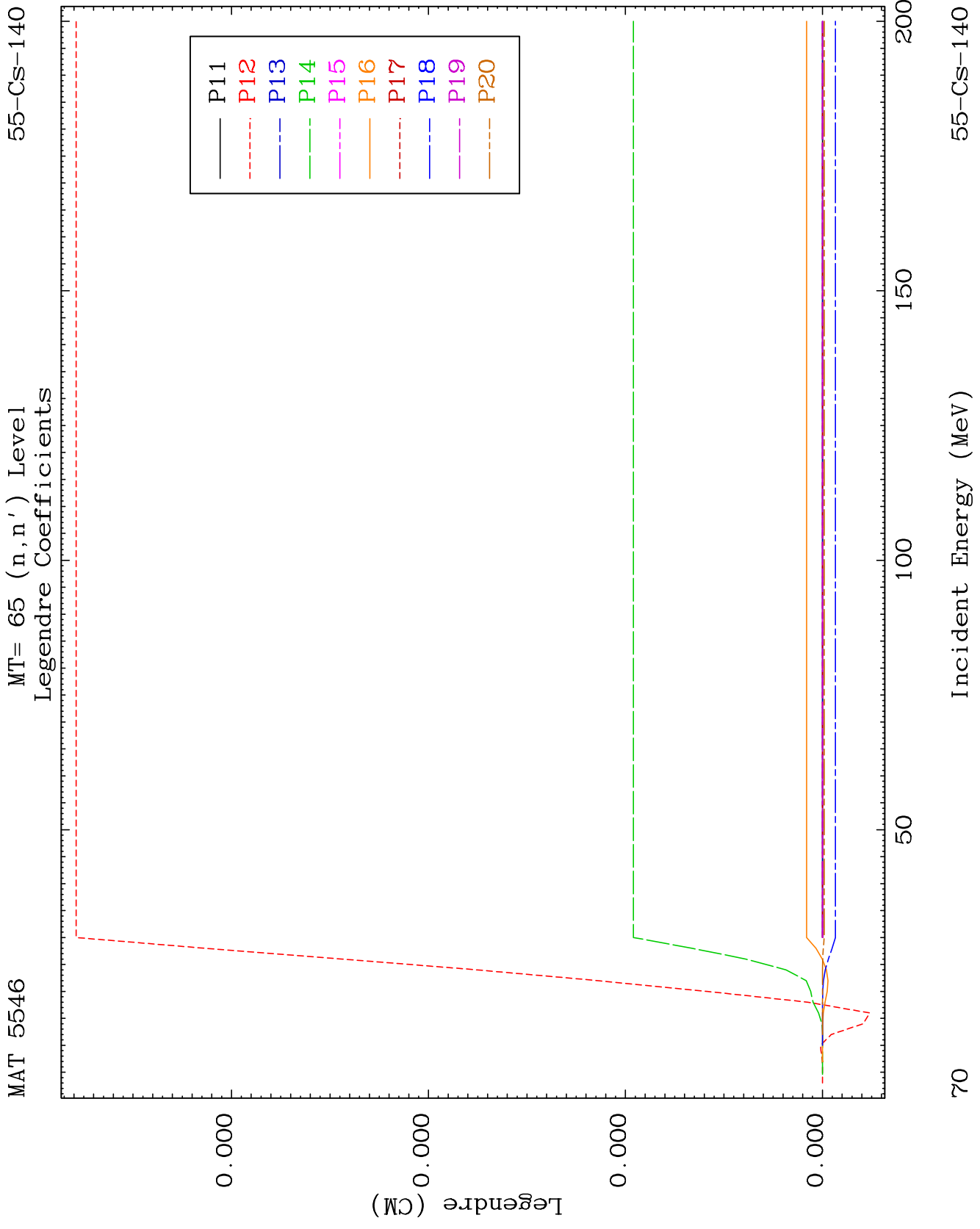
66

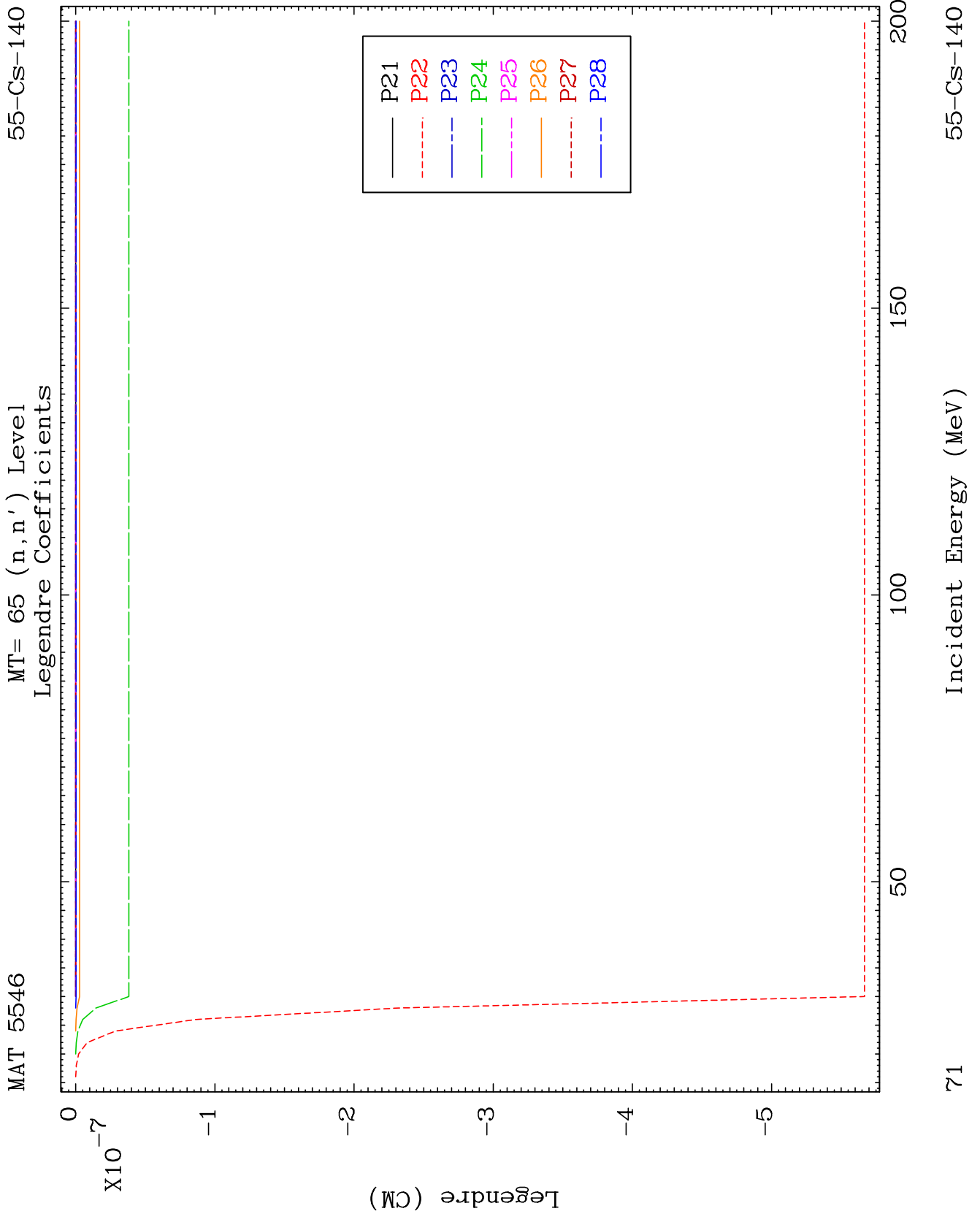
Incident Energy (MeV)

55-Cs-140





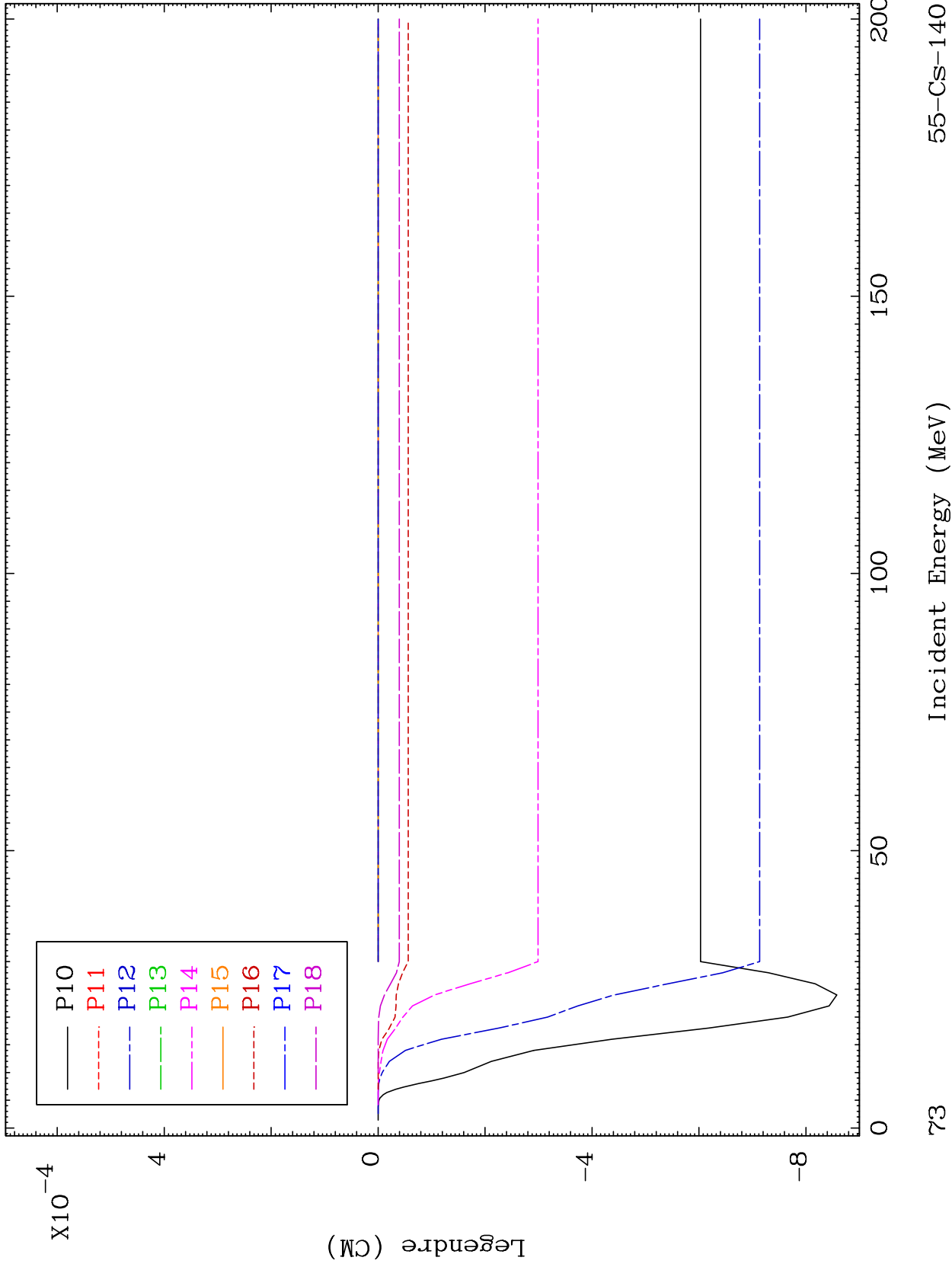


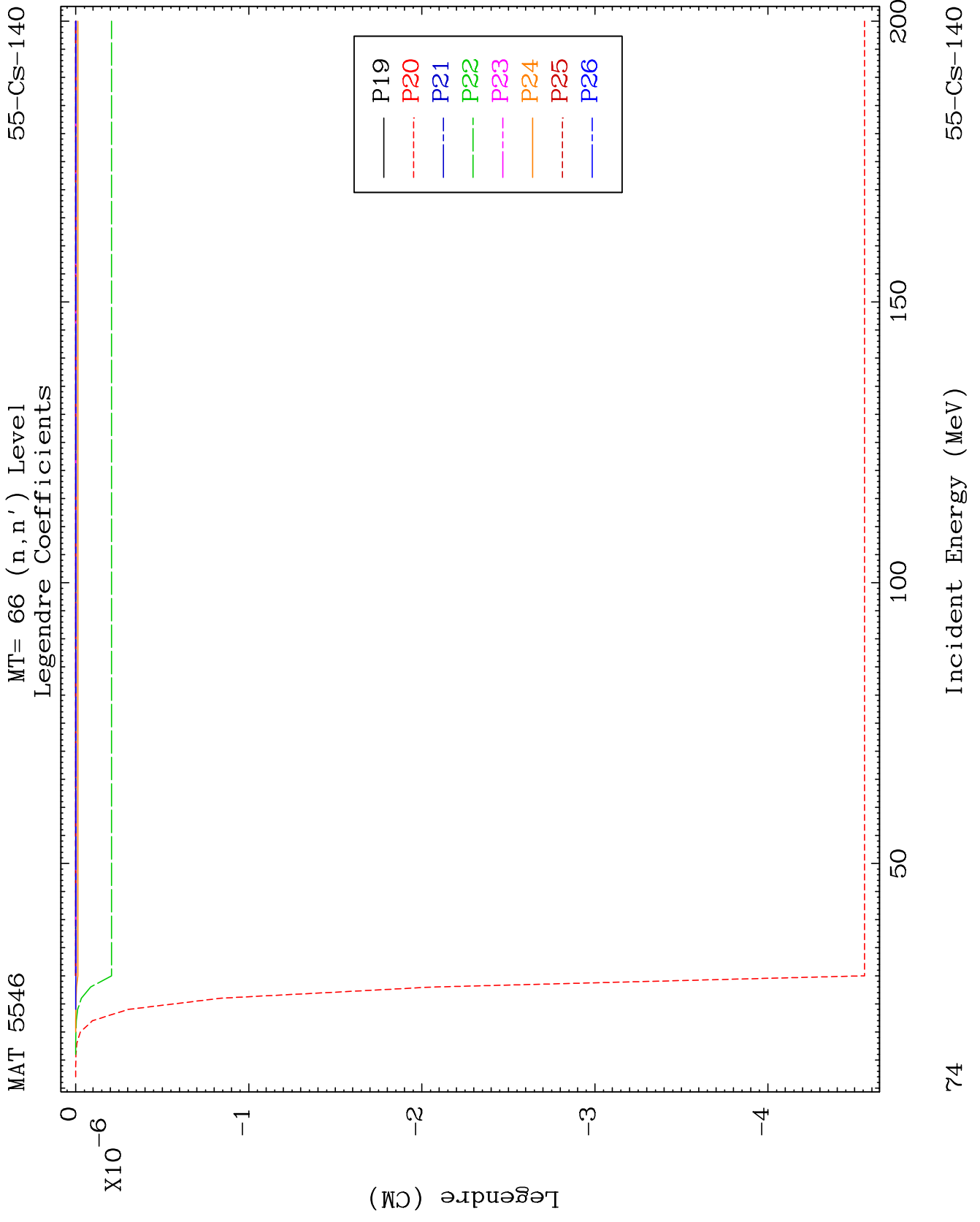


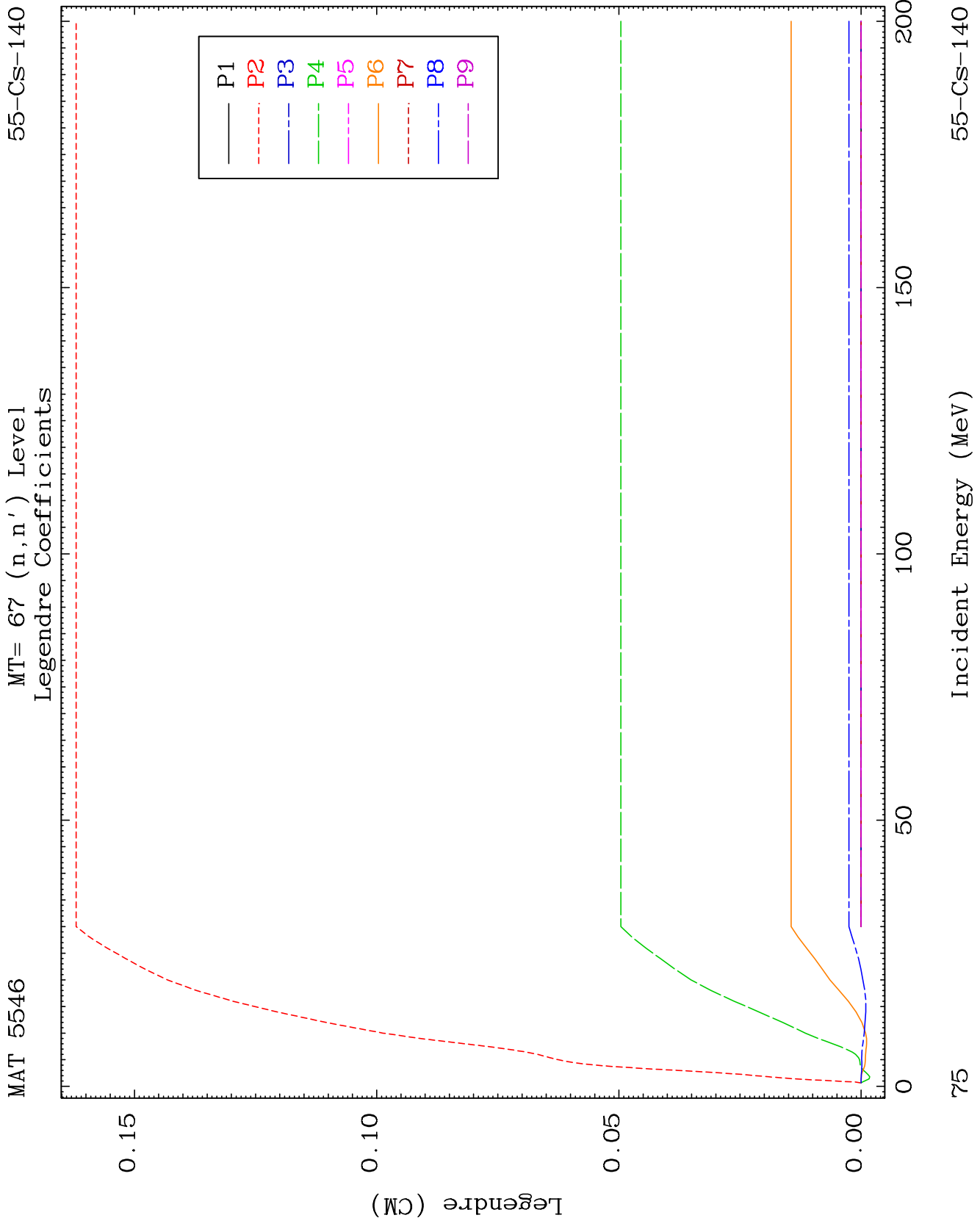
MAT 5546

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

55-Cs-140



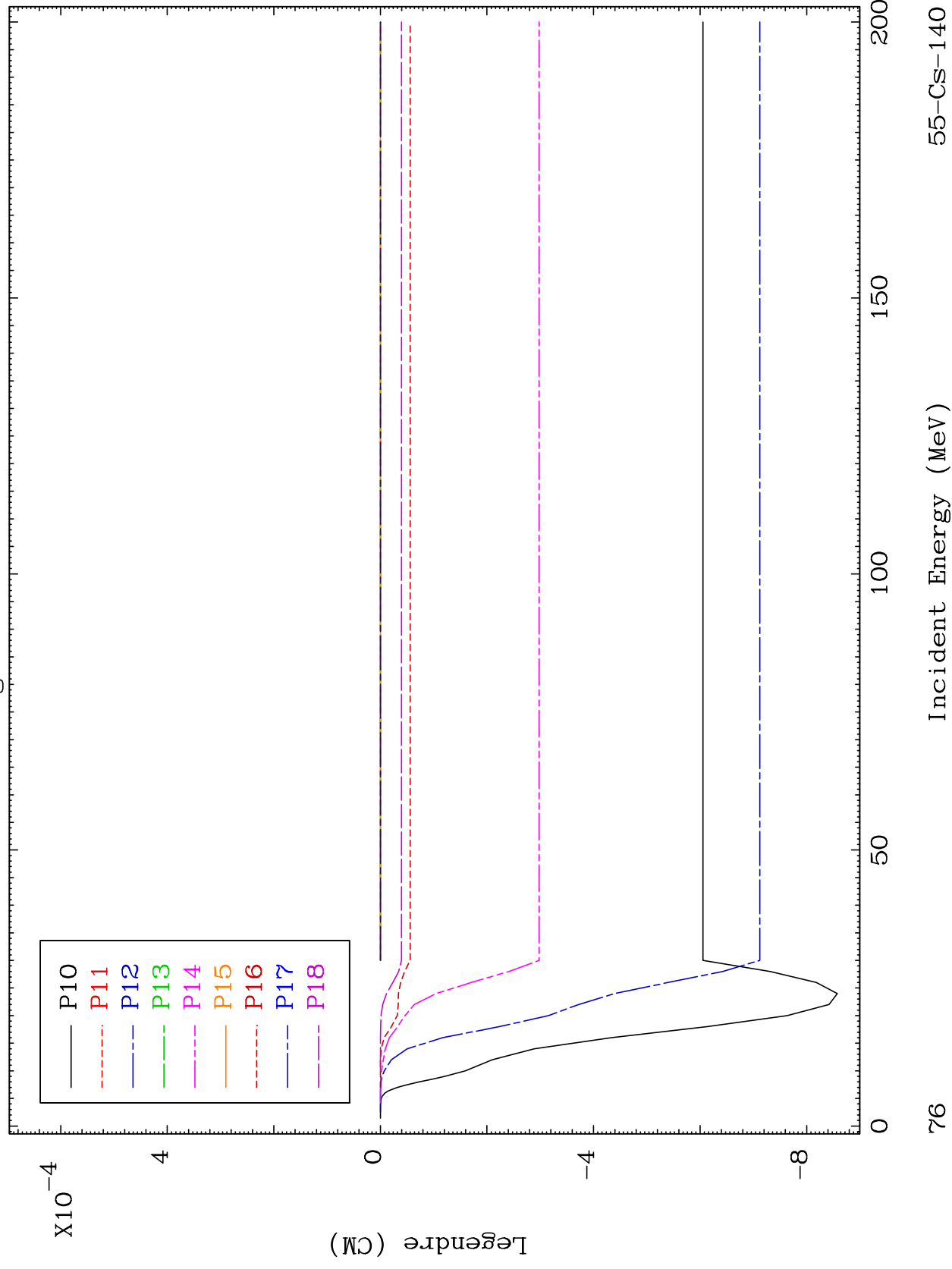




MAT 5546

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

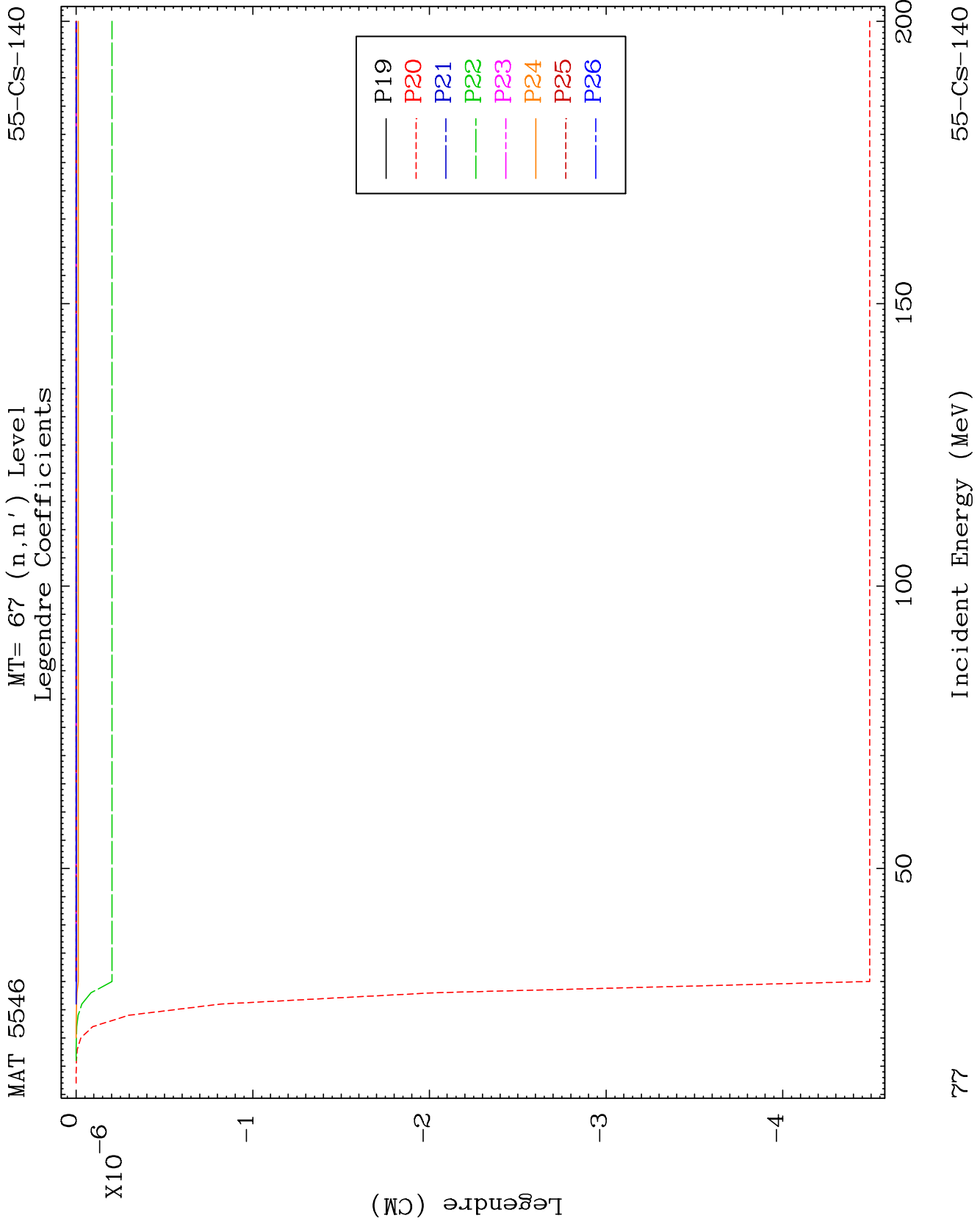
55-Cs-140



76

Incident Energy (MeV)

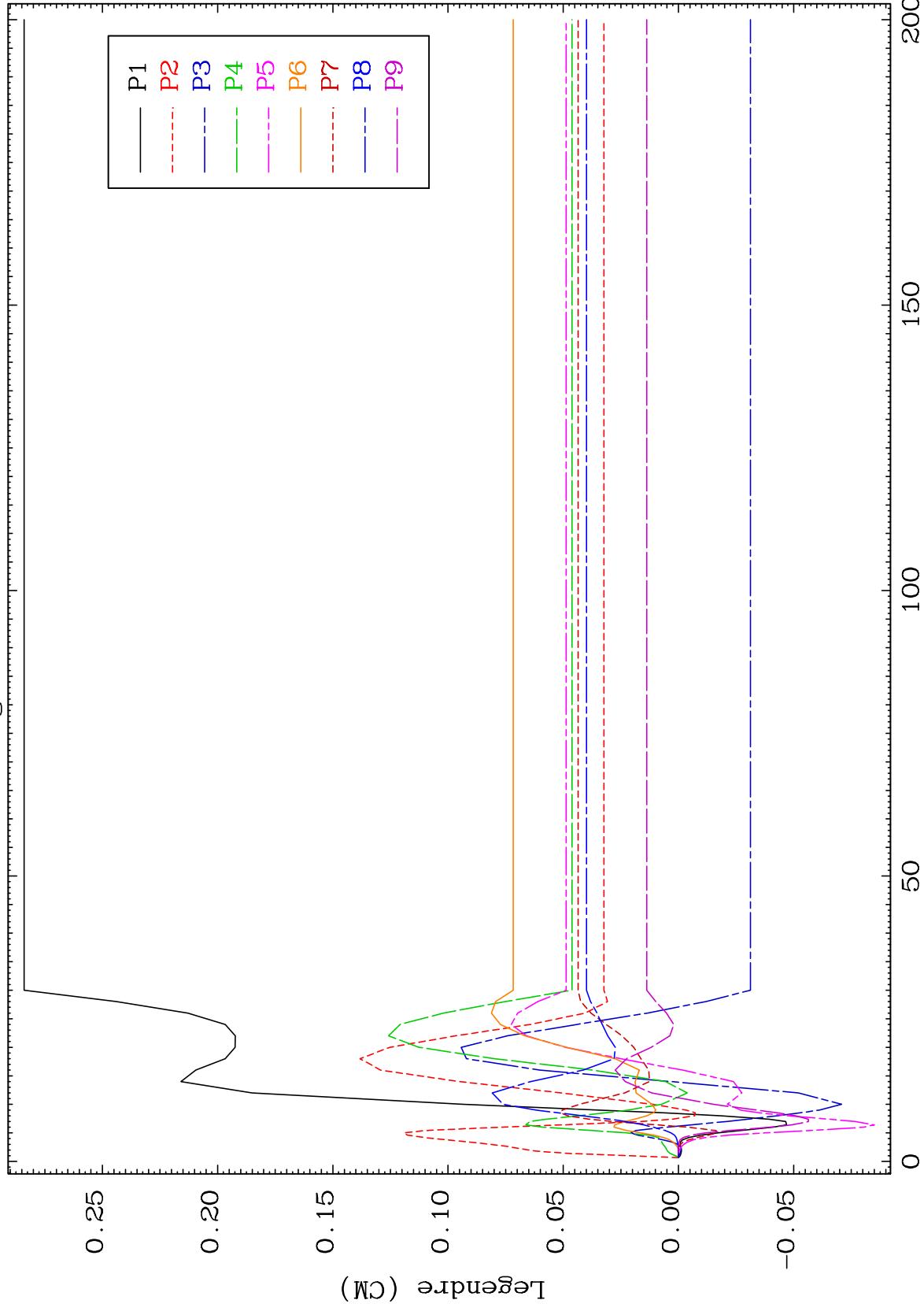
55-Cs-140



MAT 5546

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

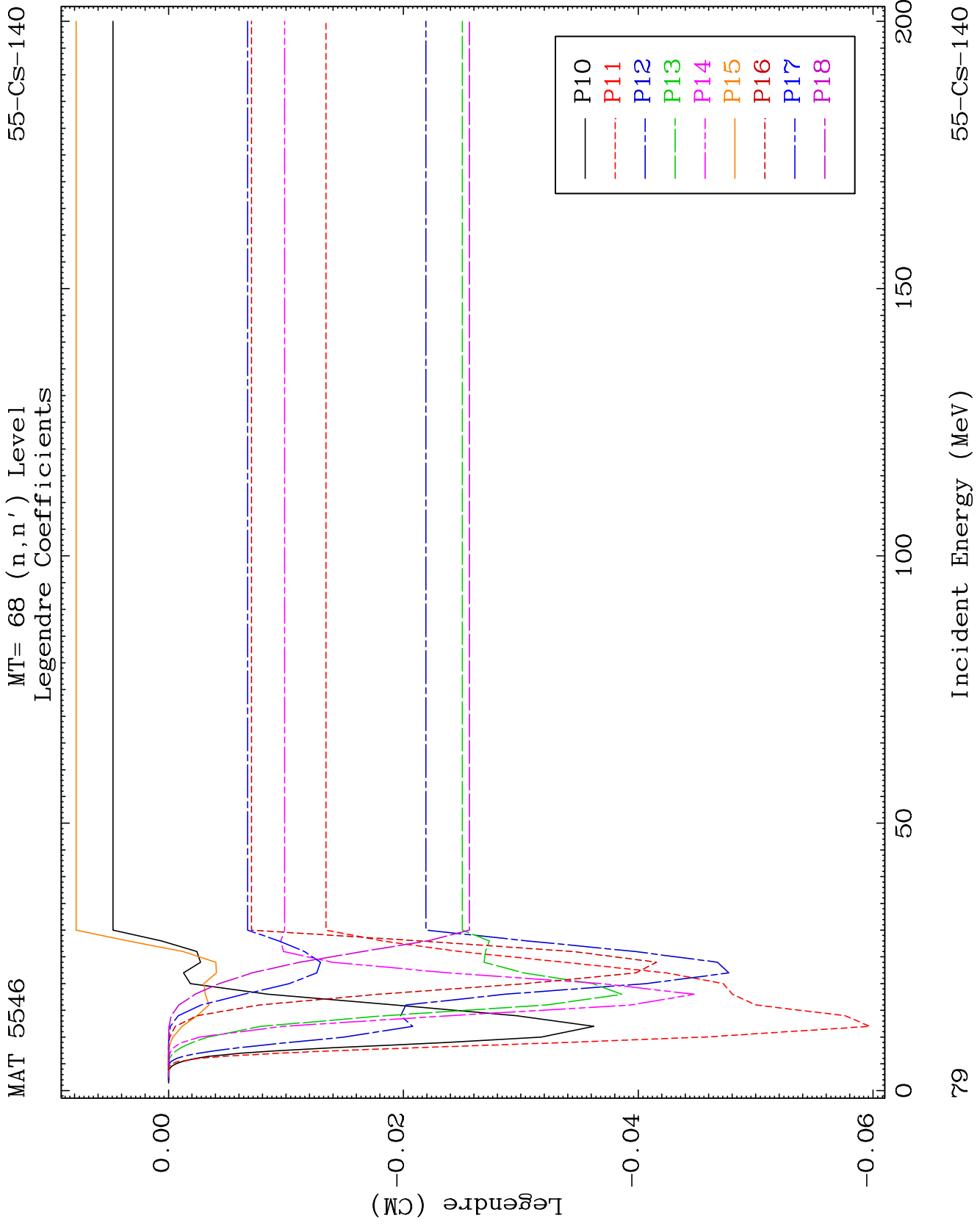
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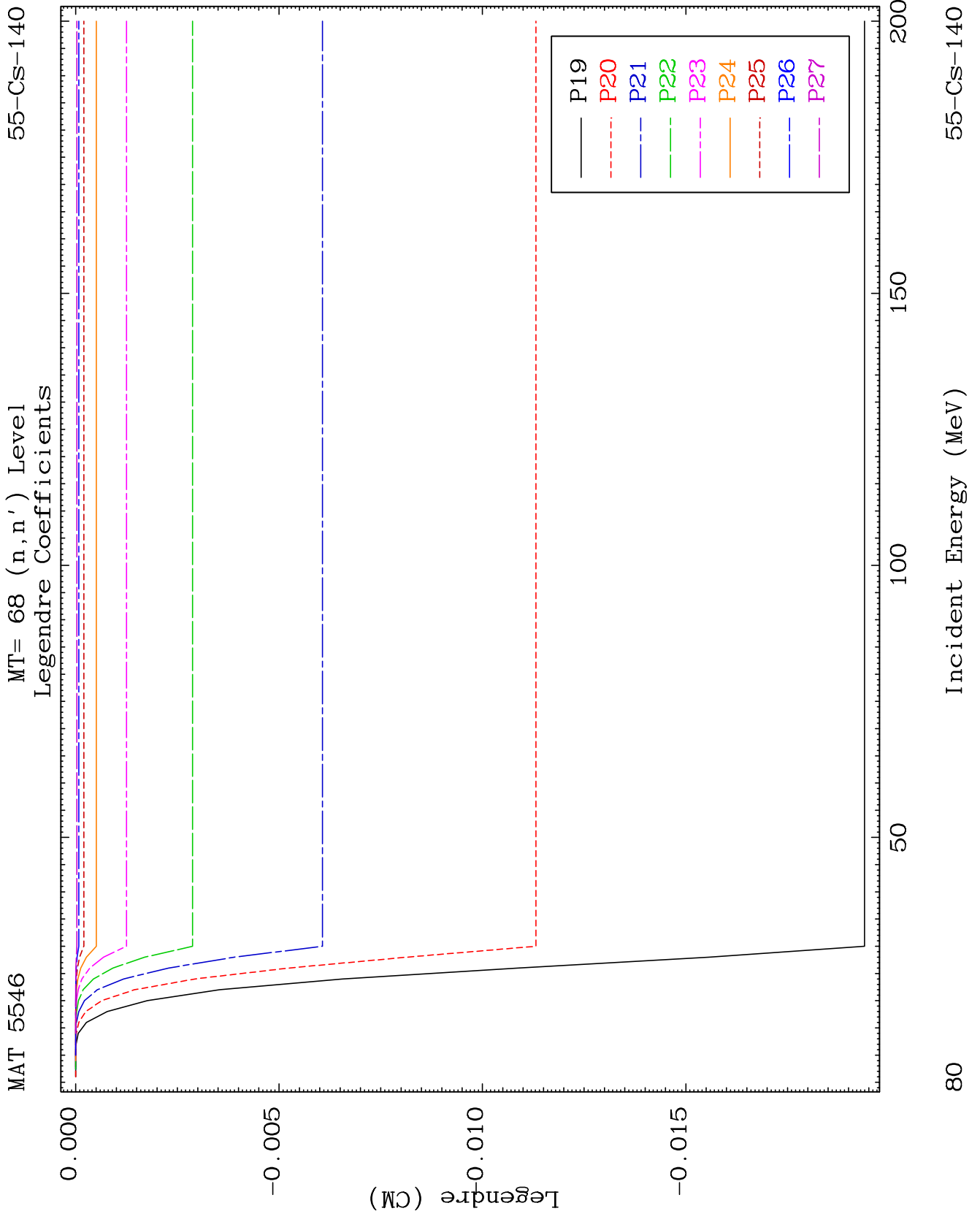


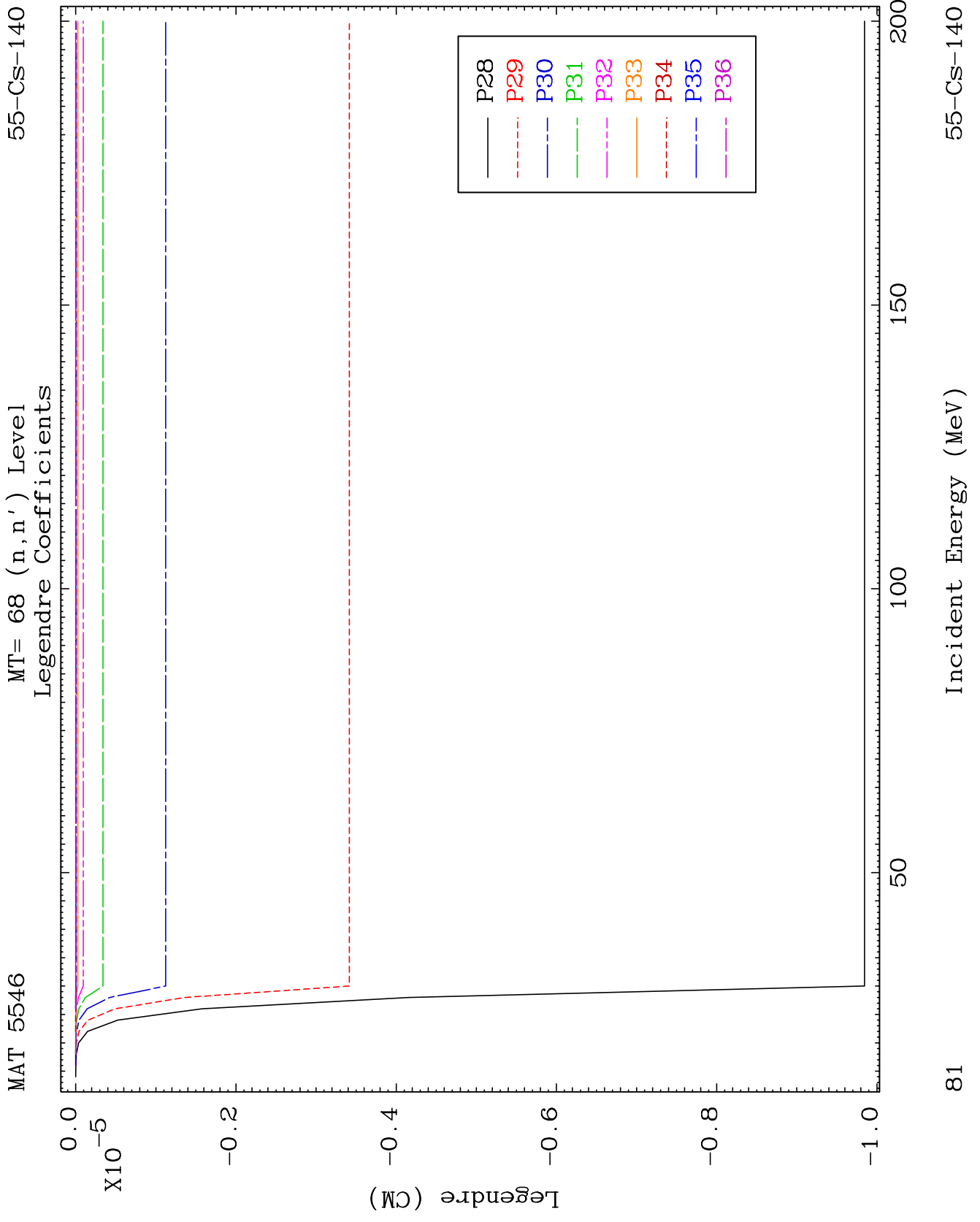
78

Incident Energy (MeV)

55-Cs-140



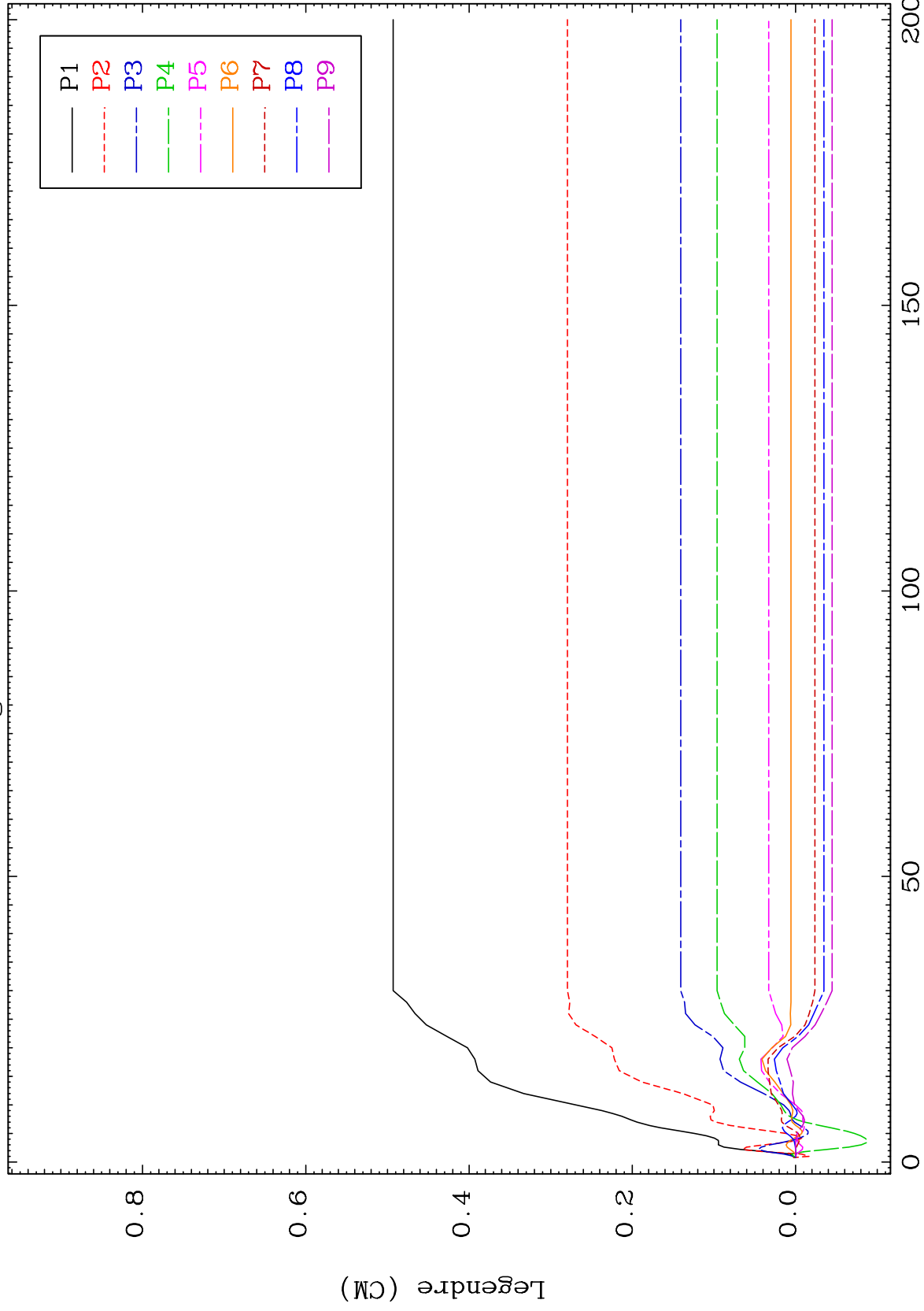




MAT 5546

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

55-Cs-140



82

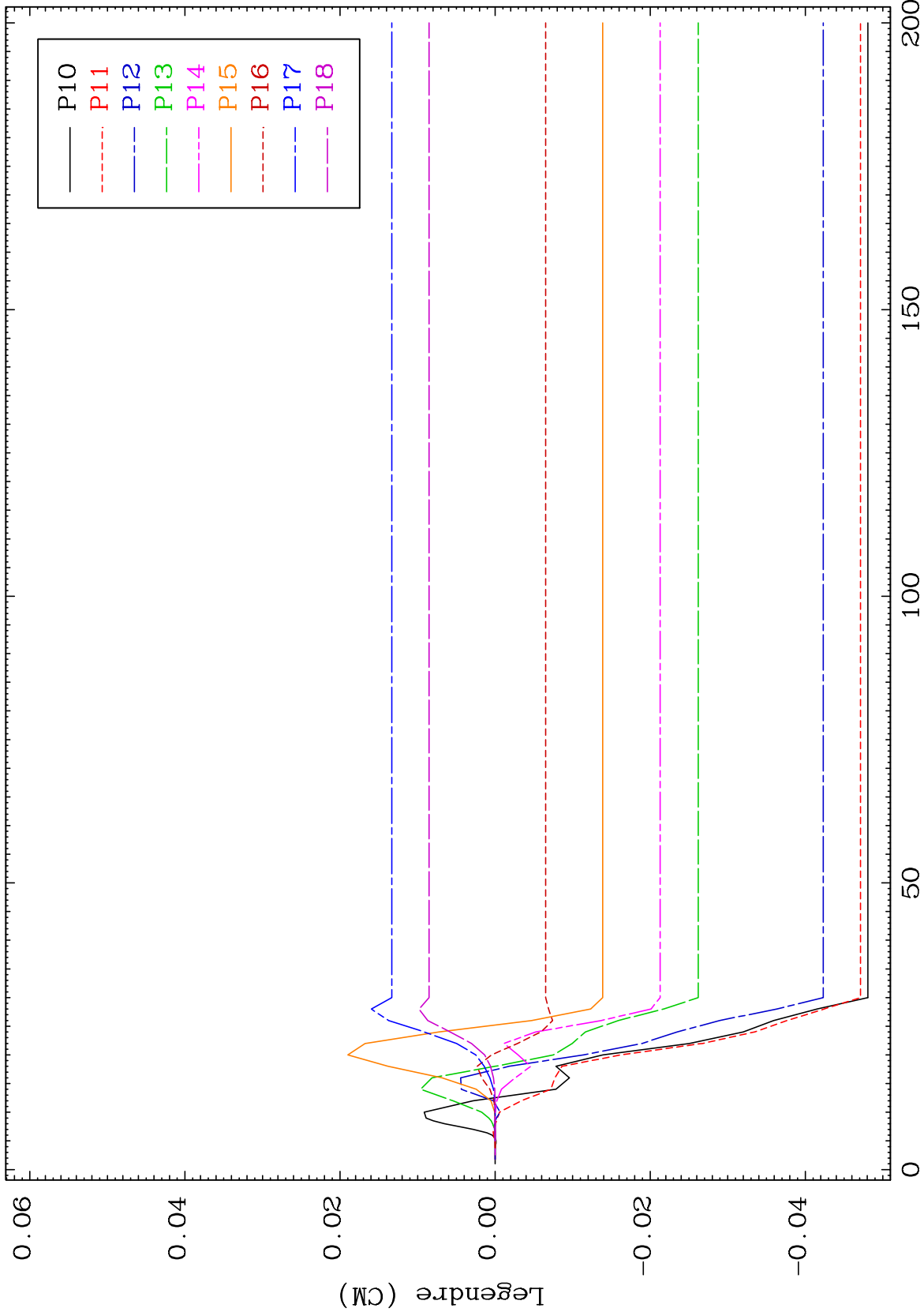
Incident Energy (MeV)

55-Cs-140

MAT 5546

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

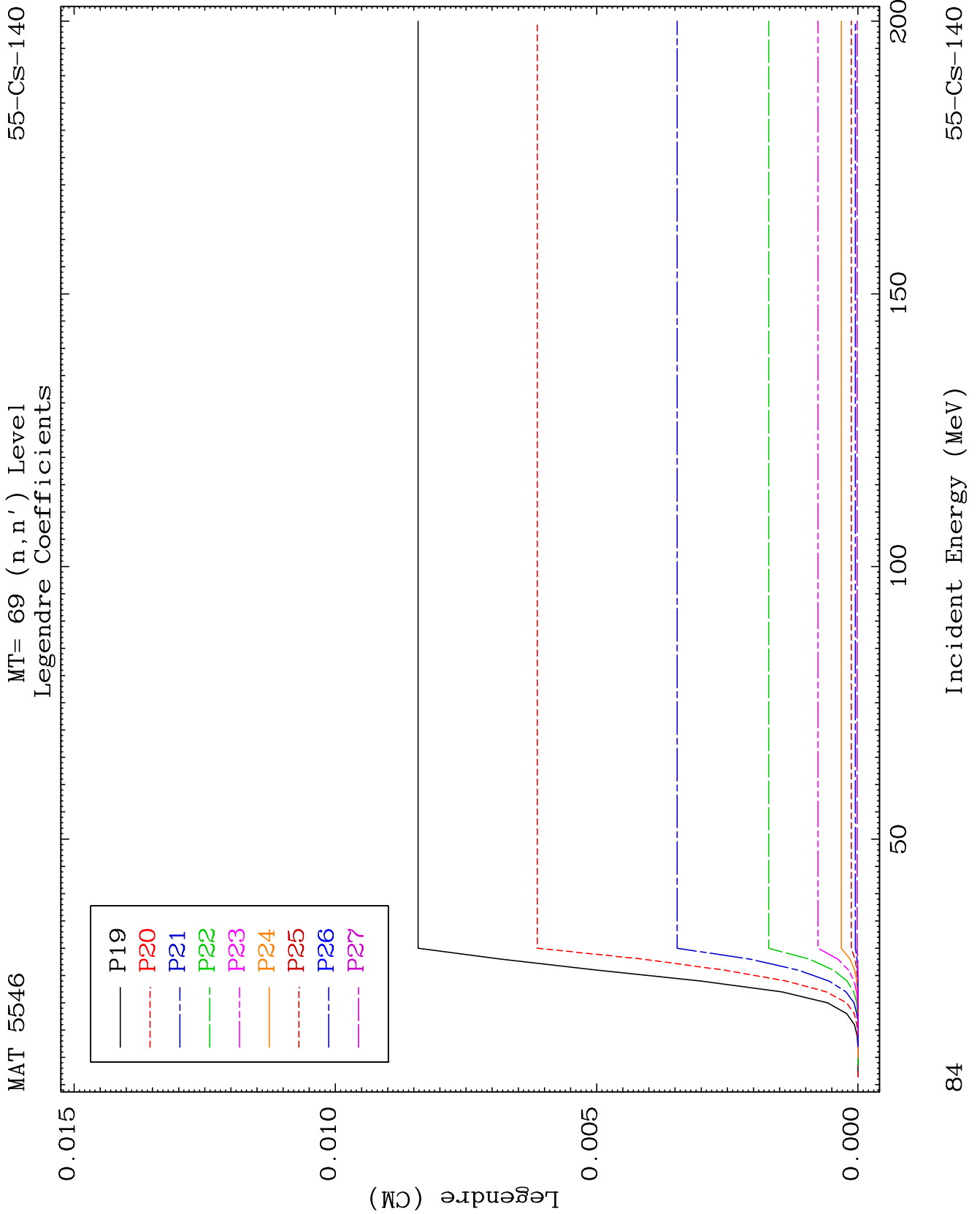
55-Cs-140

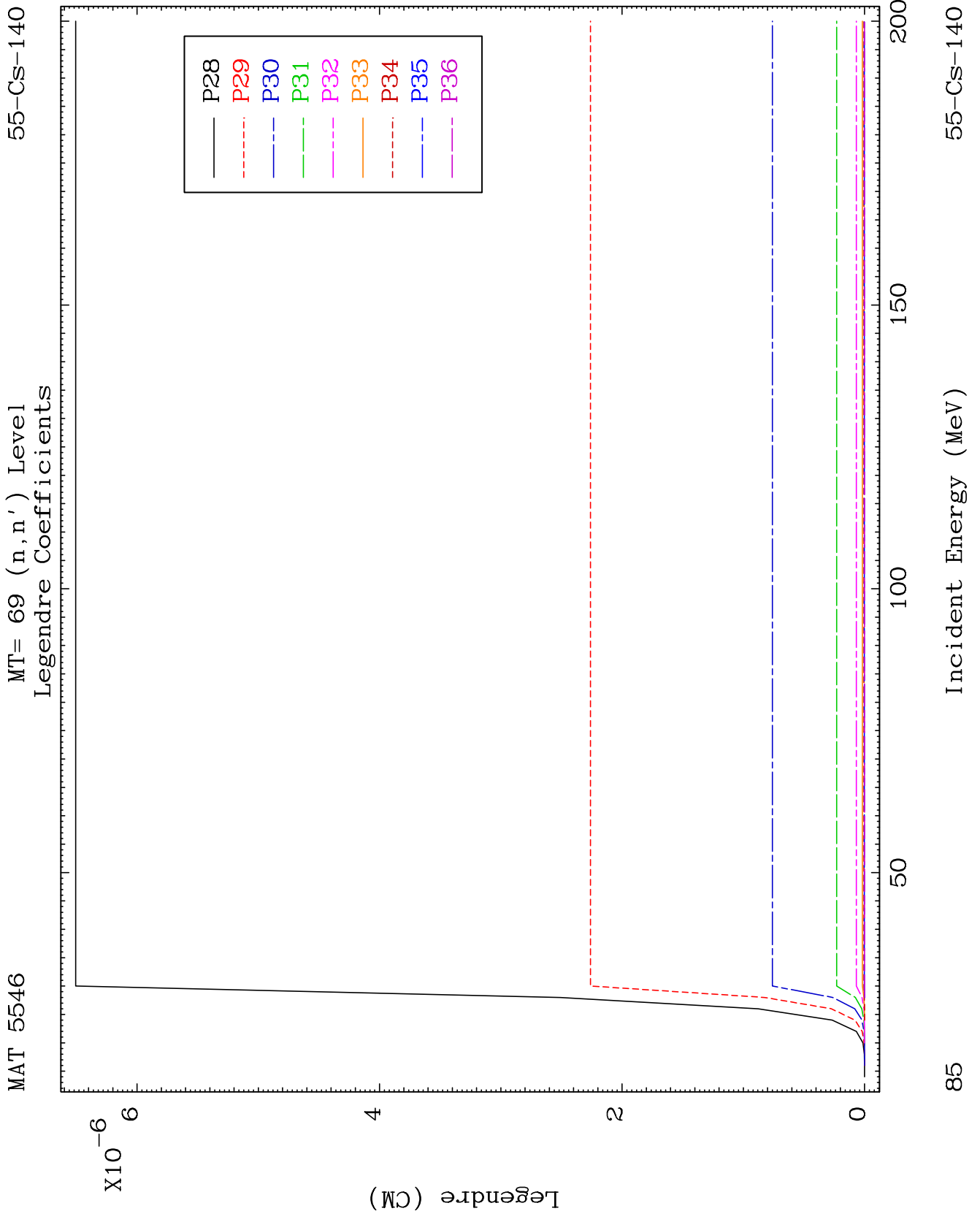


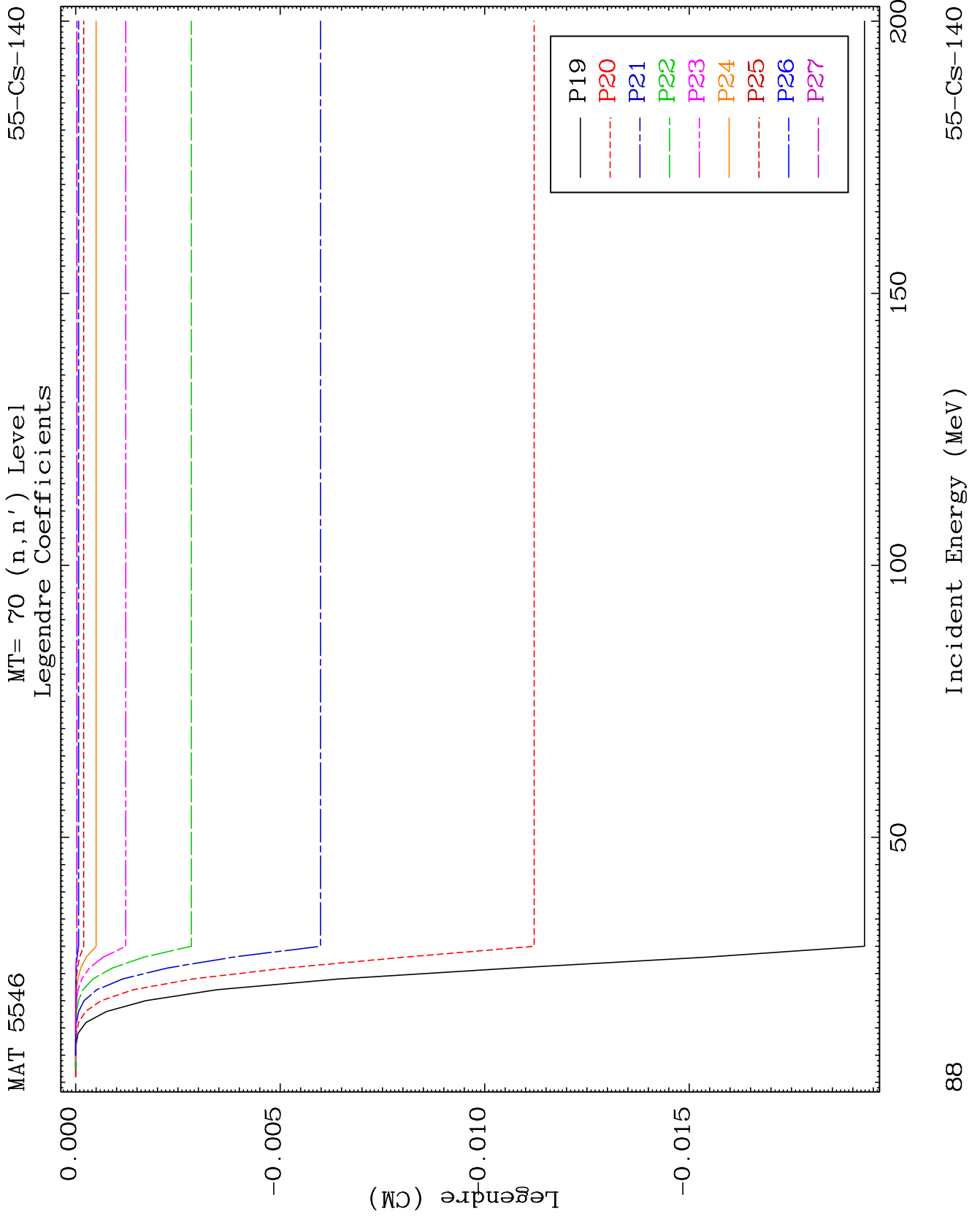
83

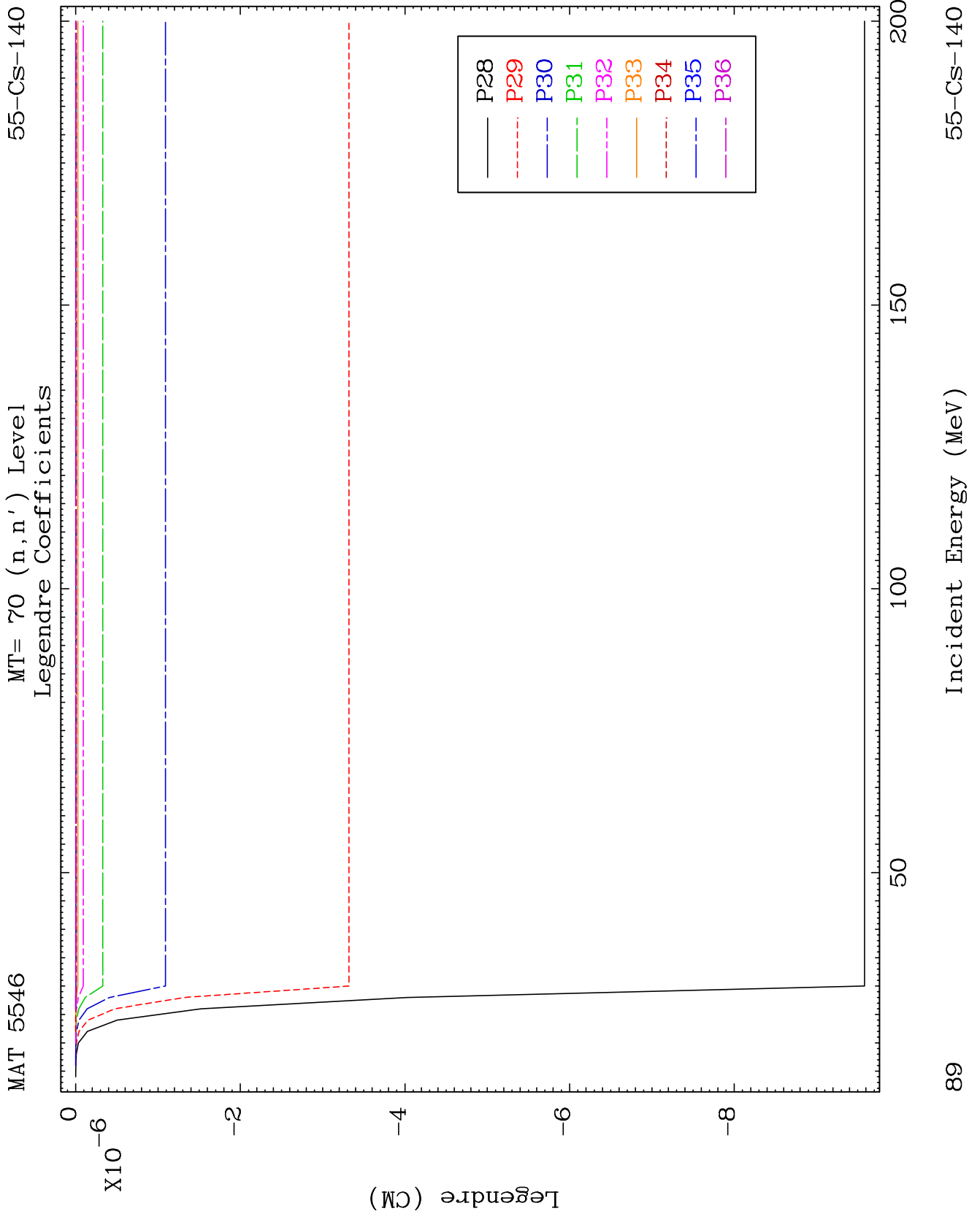
Incident Energy (MeV)

55-Cs-140





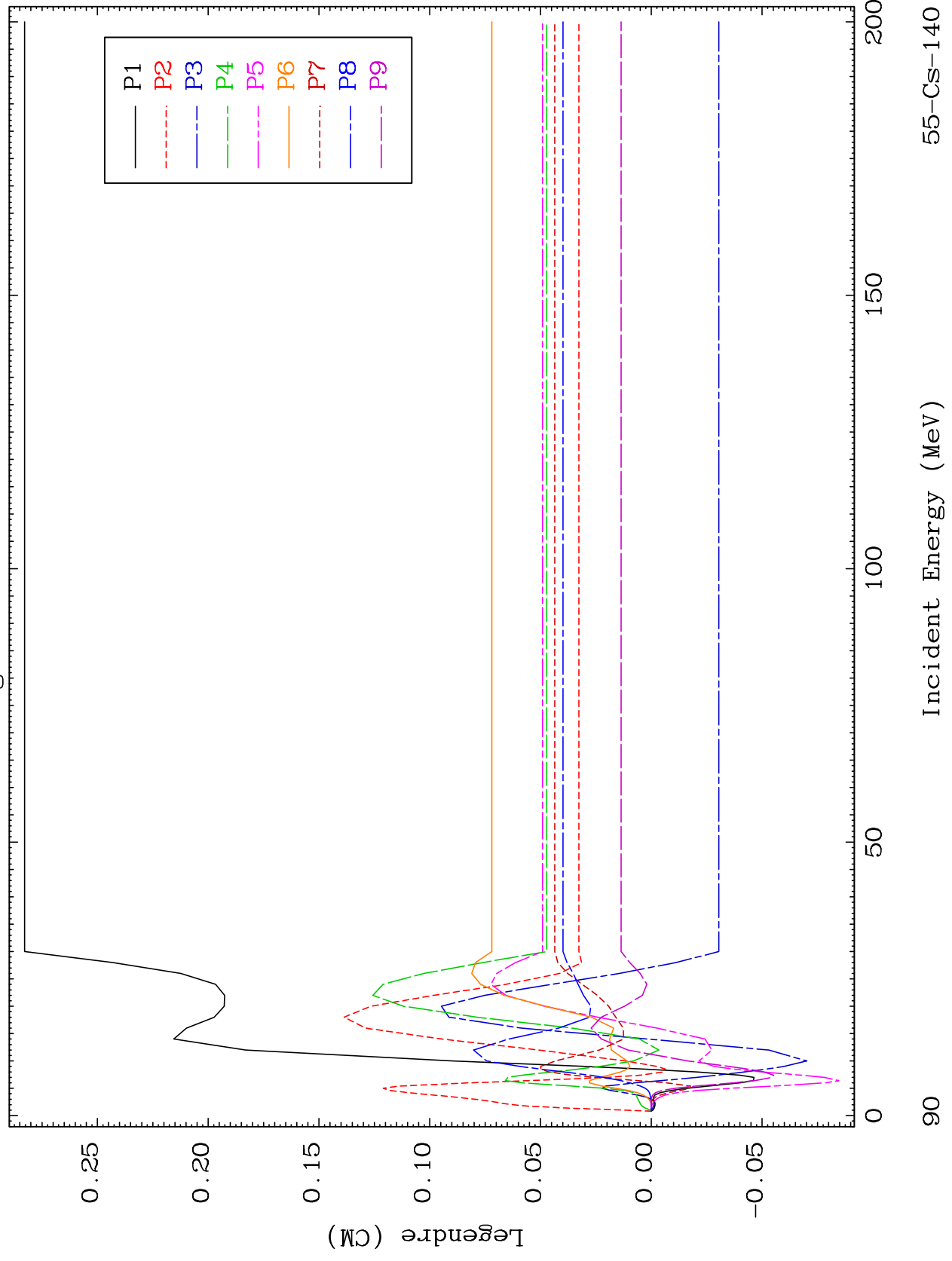




MAT 5546

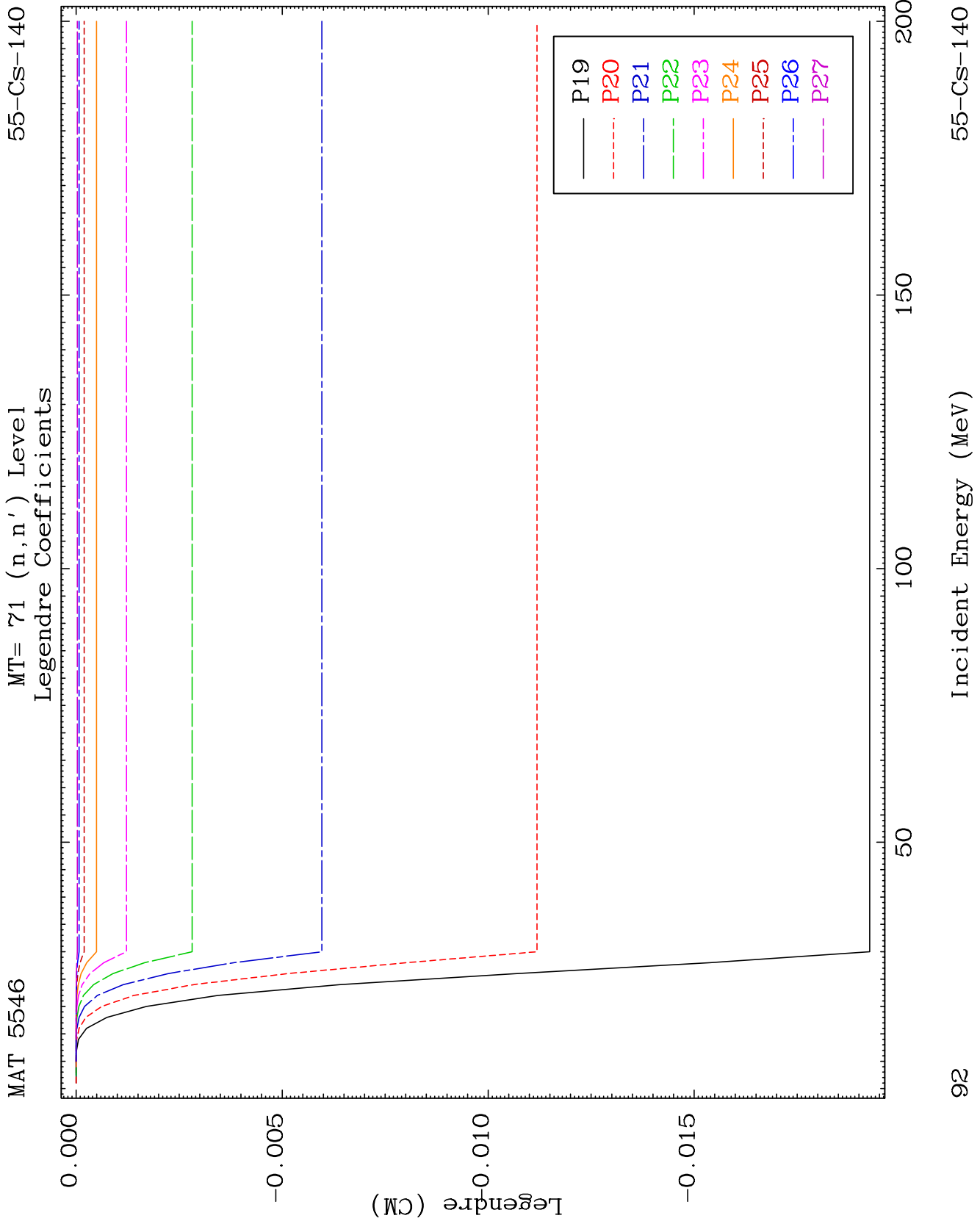
MT= 71 (n,n') Level
Legendre Coefficients

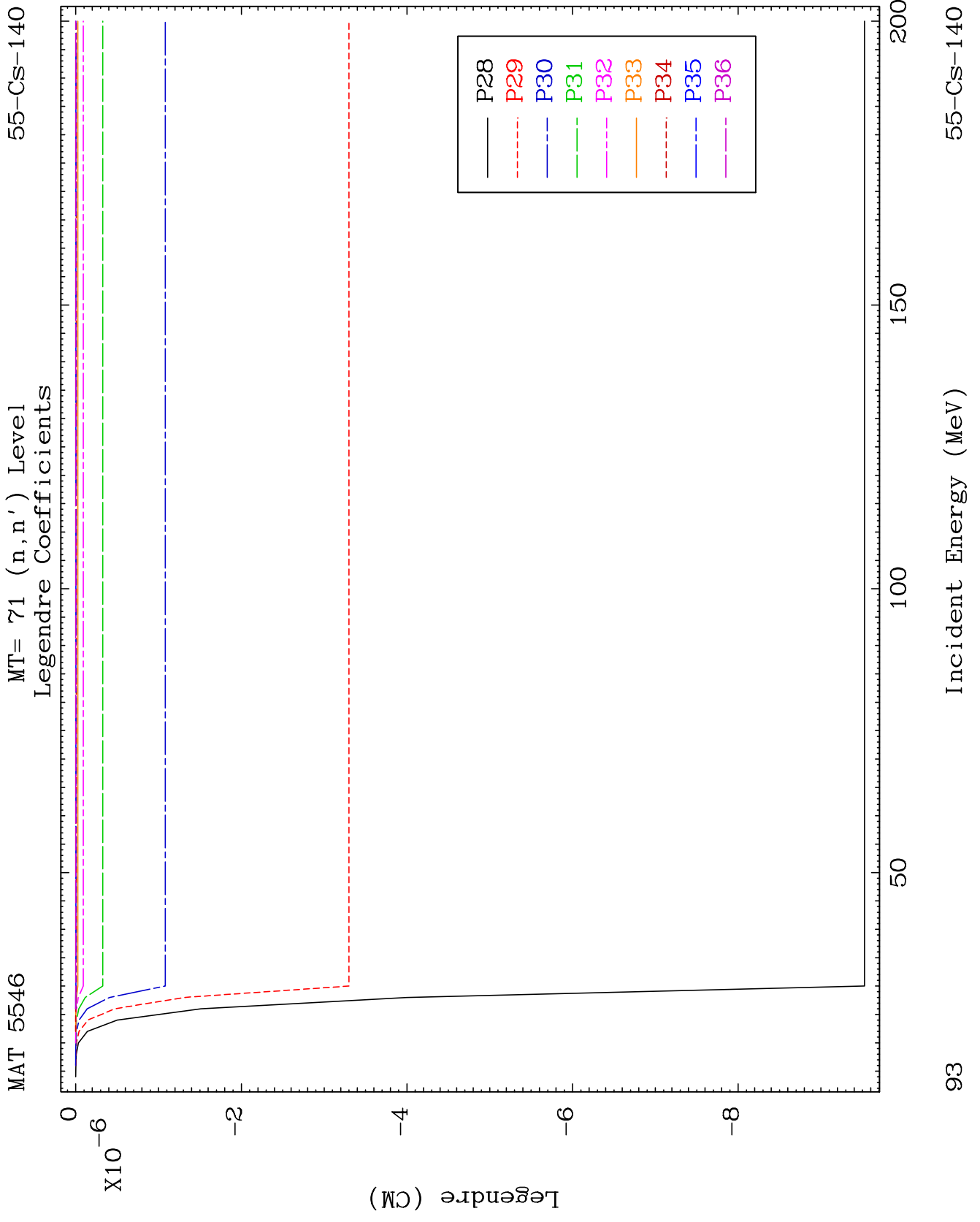
55-Cs-140



55-Cs-140

Incident Energy (MeV)

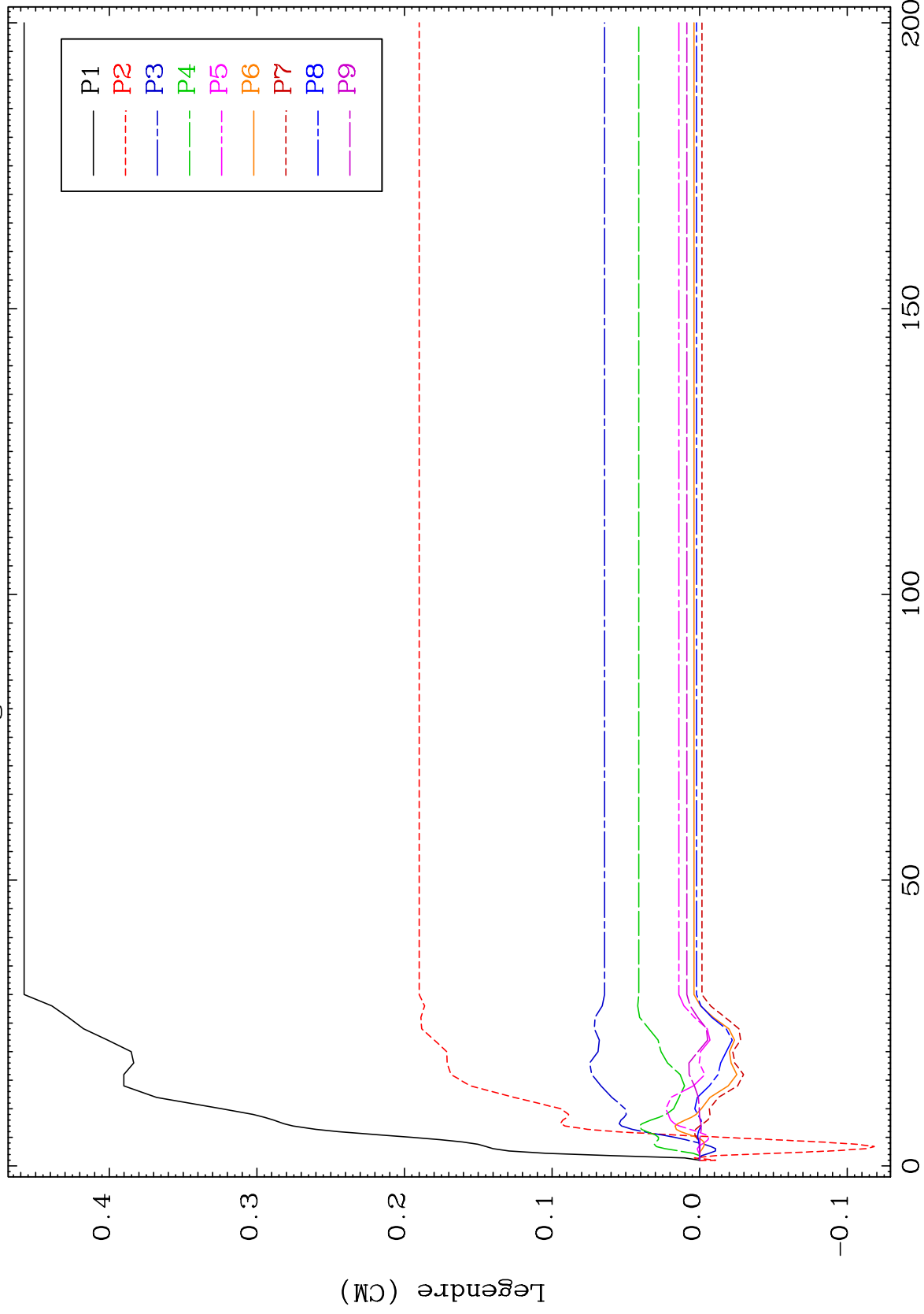




MAT 5546

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

55-Cs-140



94

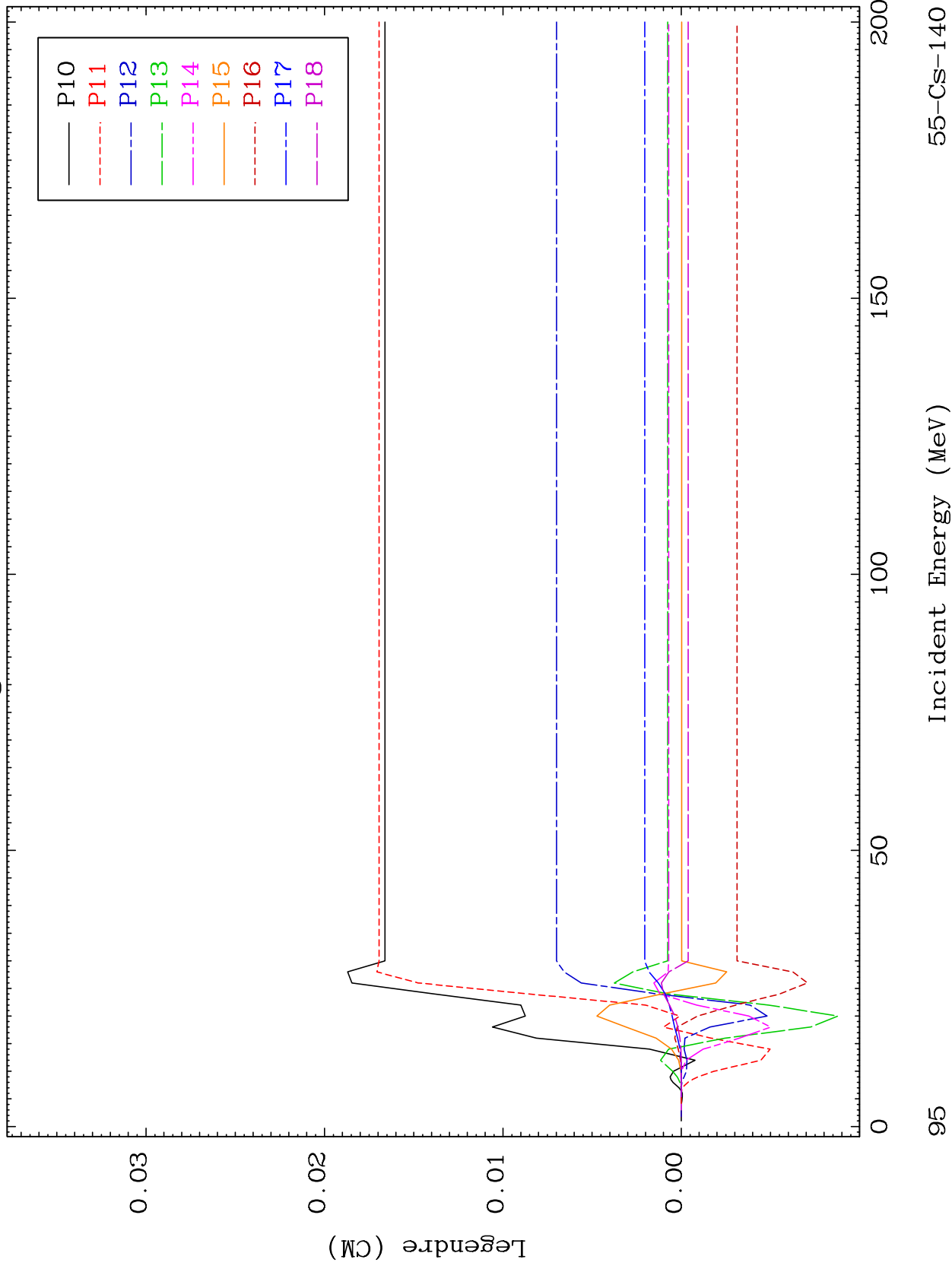
Incident Energy (MeV)

55-Cs-140

MAT 5546

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

55-Cs-140



55-Cs-140

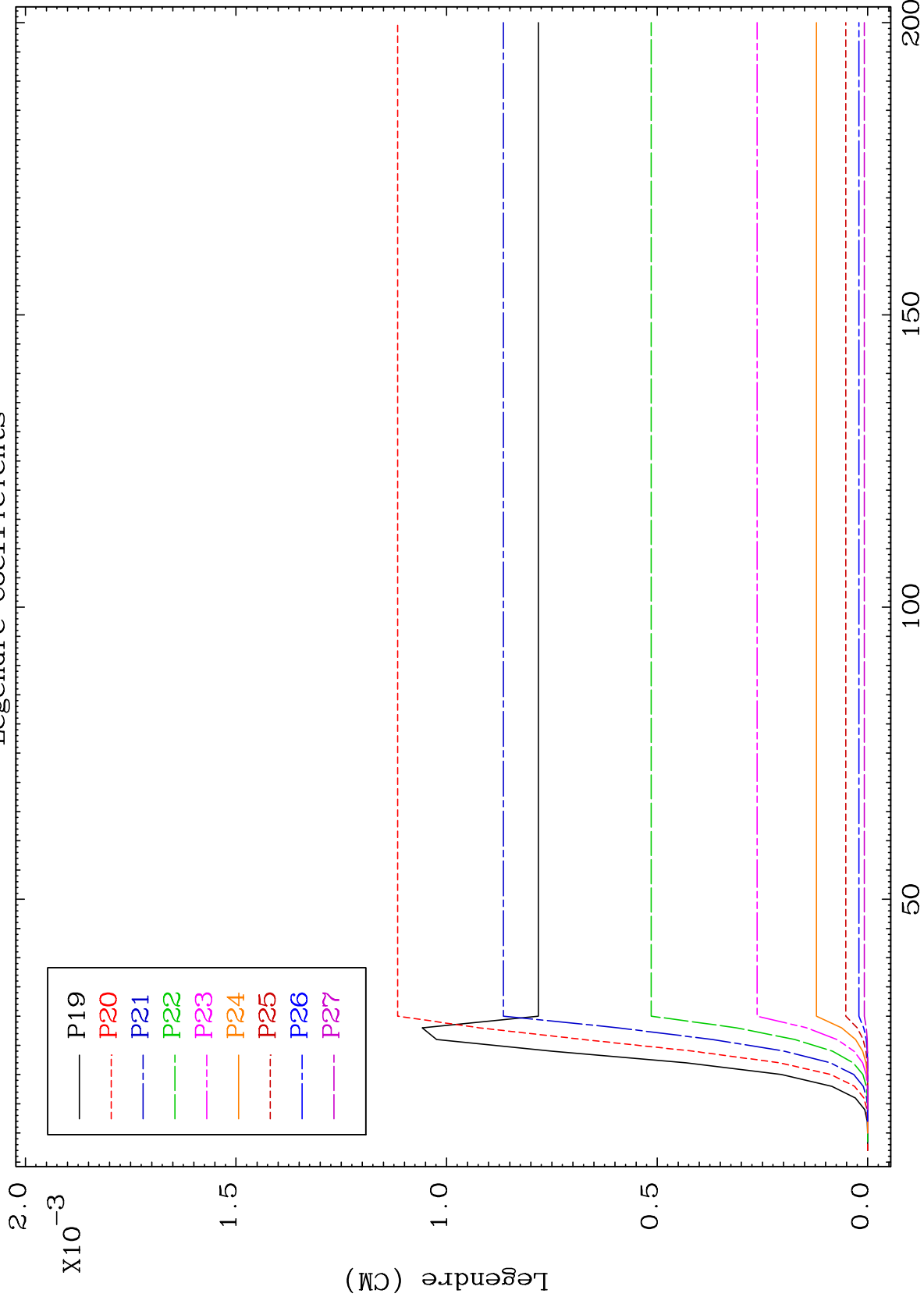
Incident Energy (MeV)

95

MAT 5546

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

55-Cs-140



96

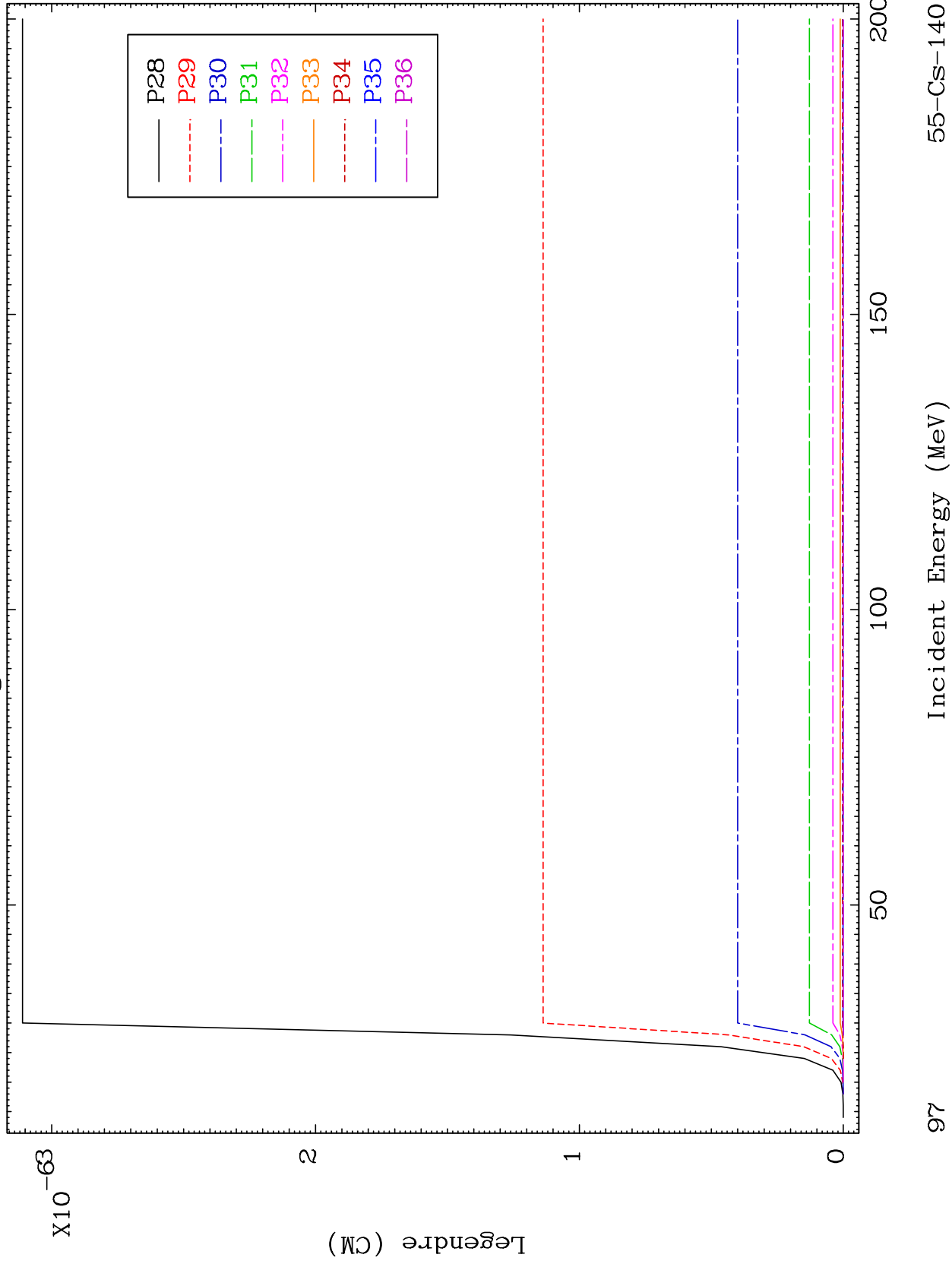
Incident Energy (MeV)

55-Cs-140

MAT 5546

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

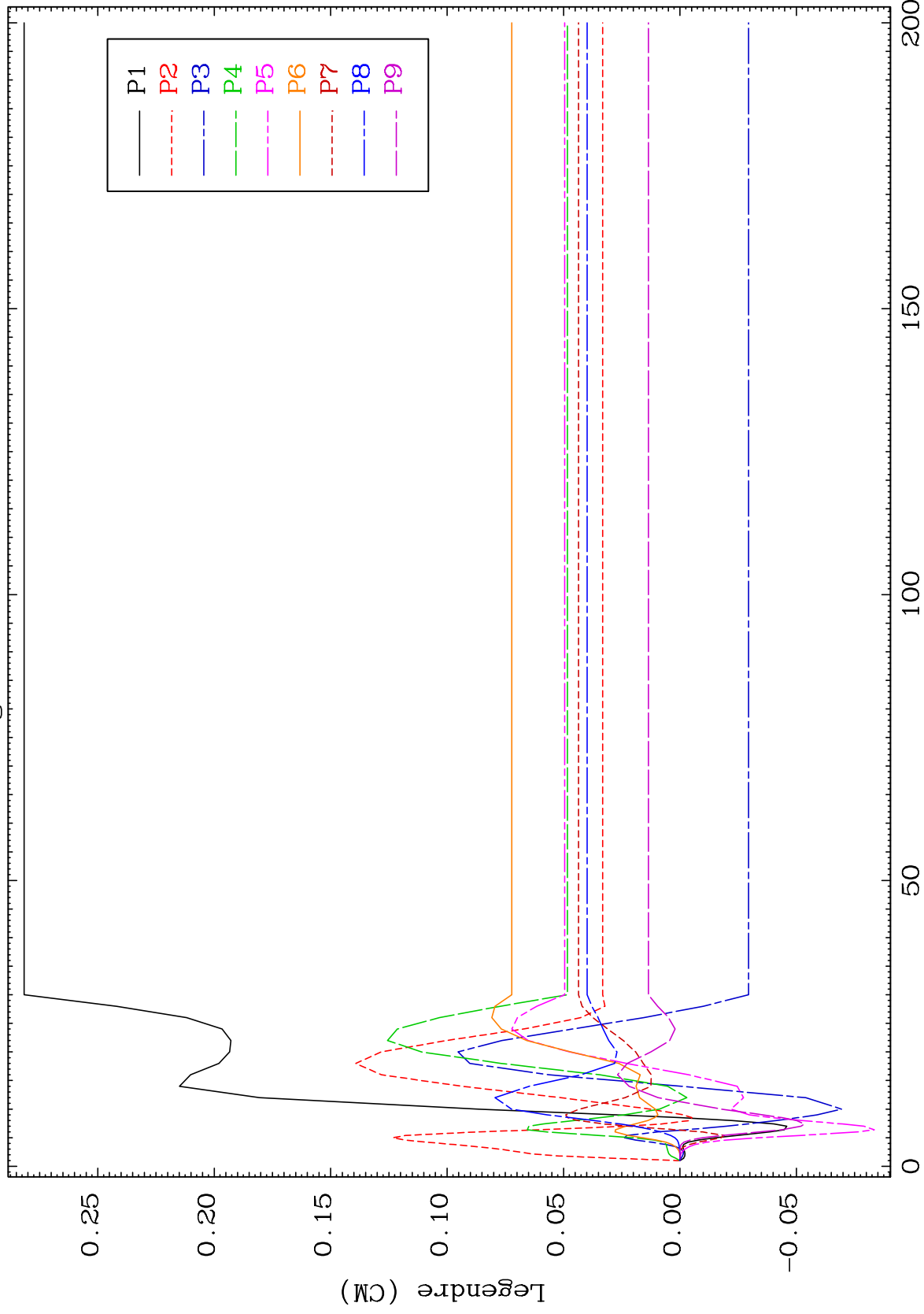
55-Cs-140



MAT 5546

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

55-Cs-140



98

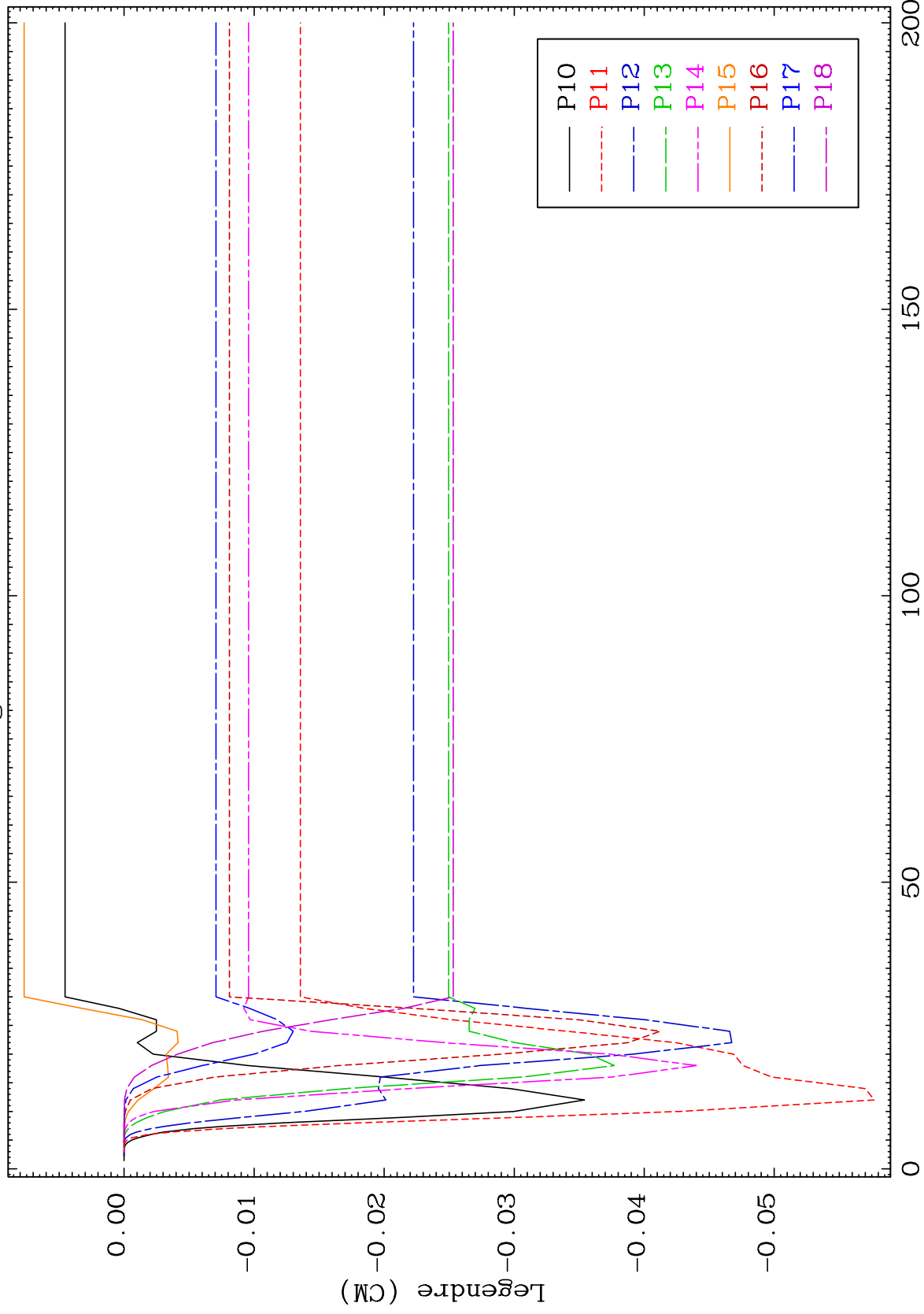
Incident Energy (MeV)

55-Cs-140

MAT 5546

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

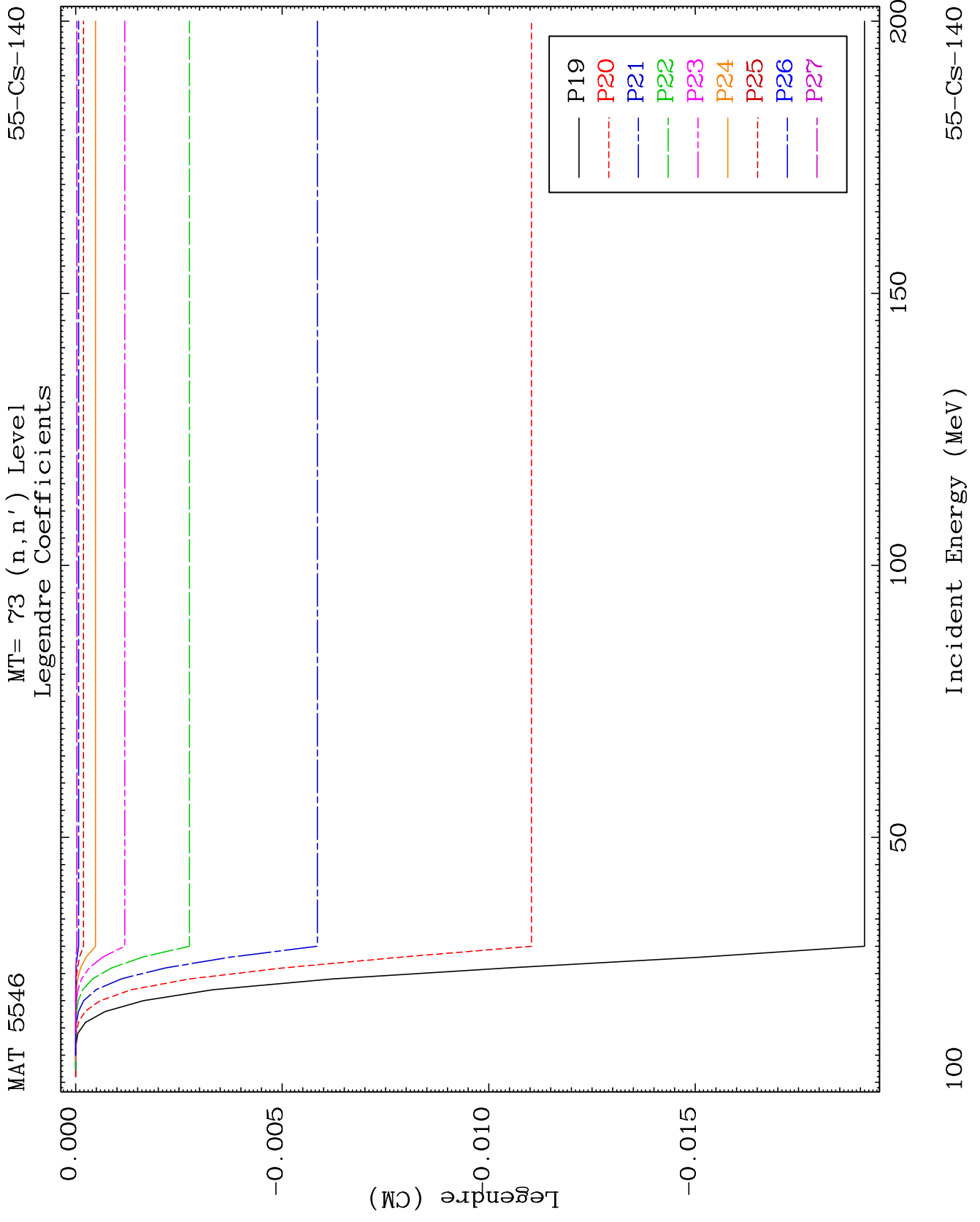
55-Cs-140

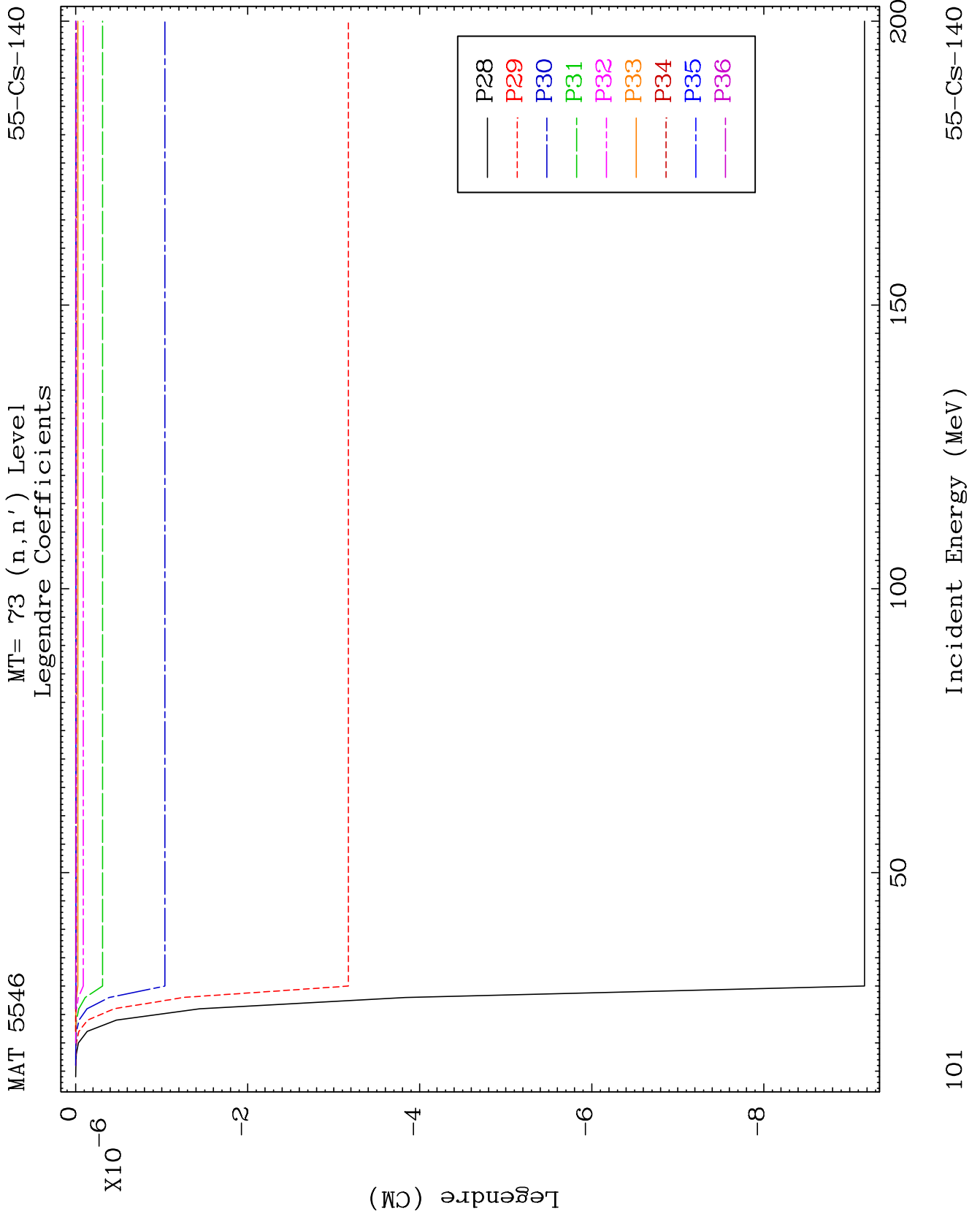


99

Incident Energy (MeV)

55-Cs-140

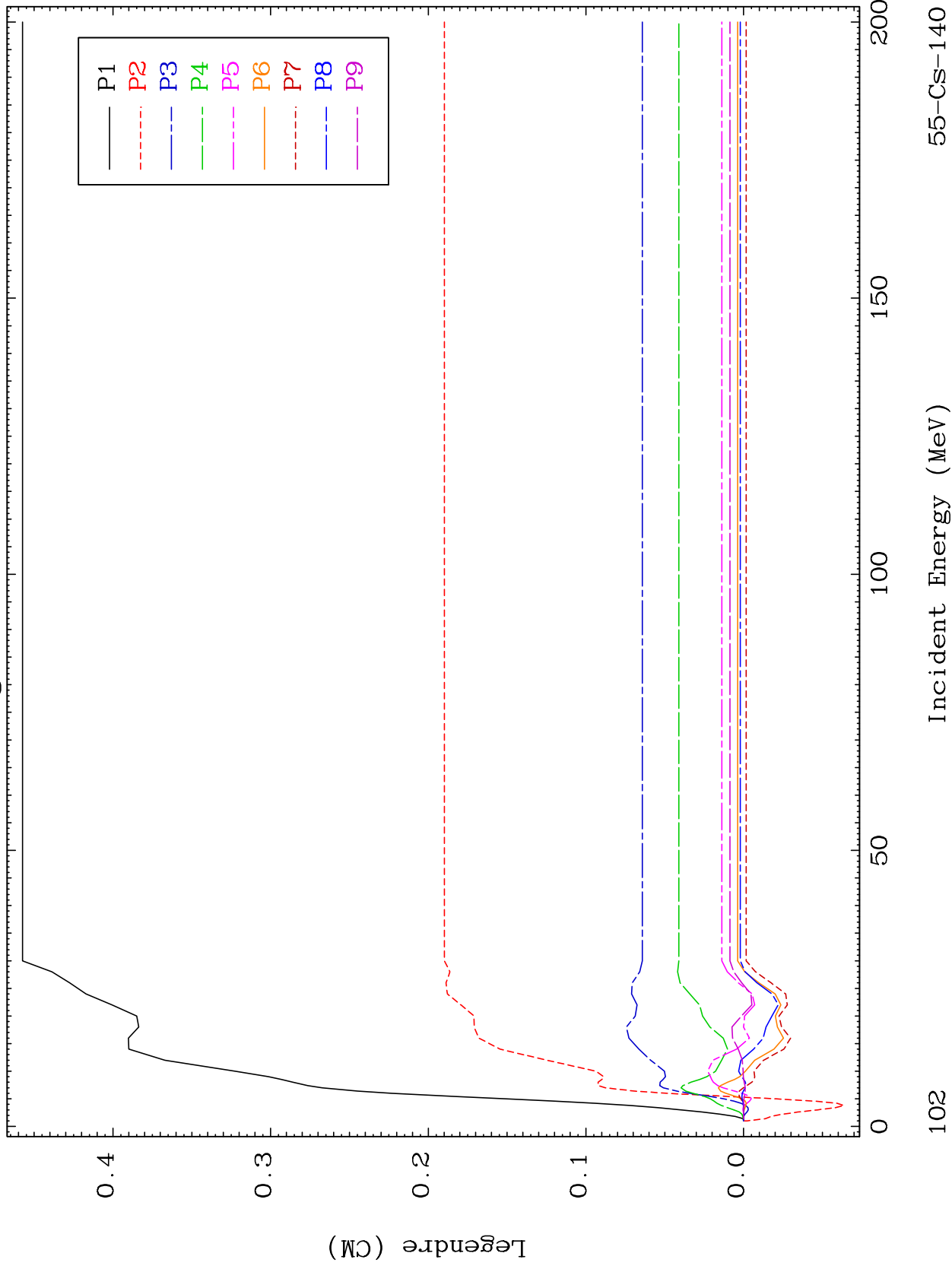




MAT 5546

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

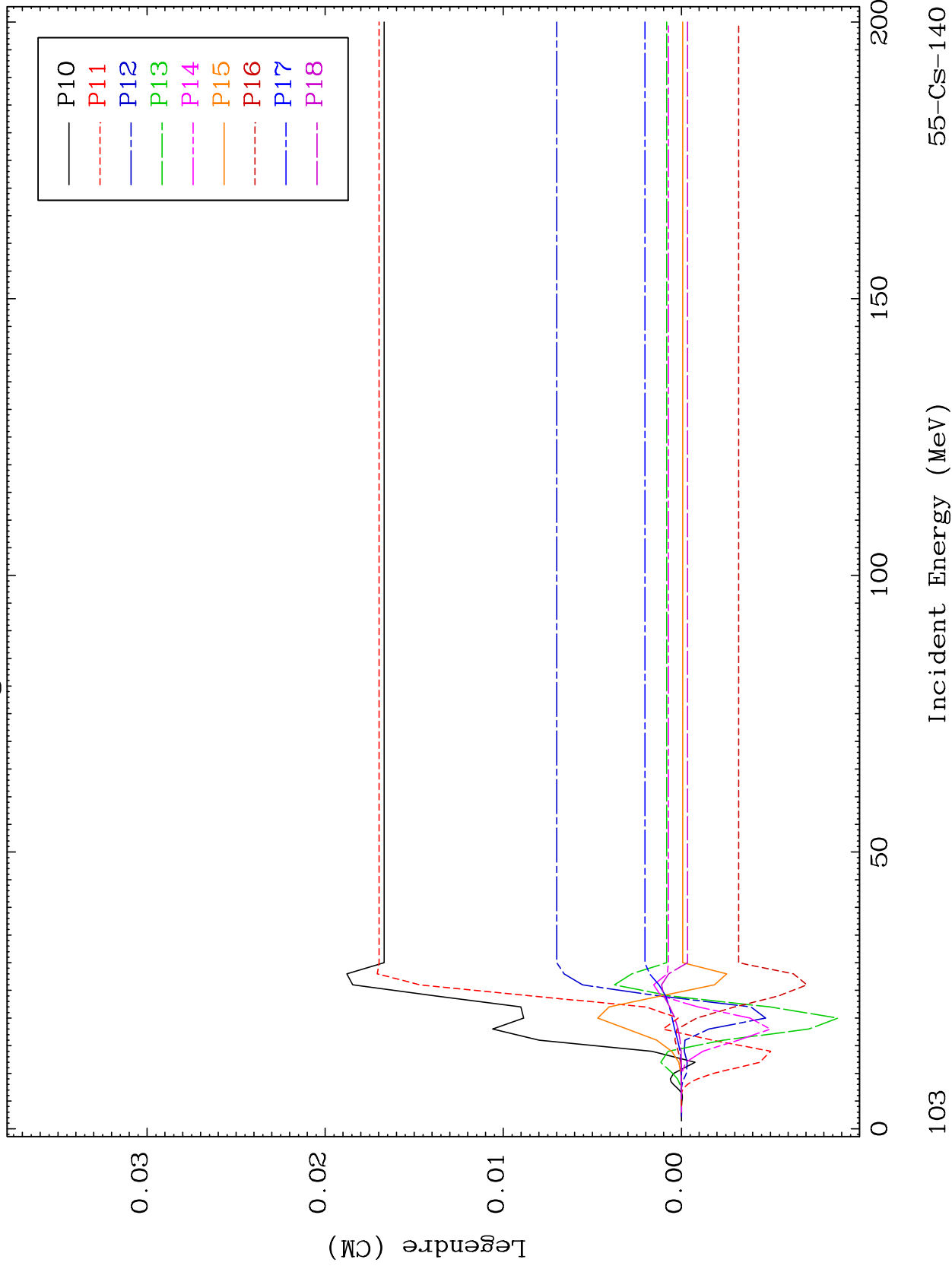
55-Cs-140



MAT 5546

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

55-Cs-140



55-Cs-140

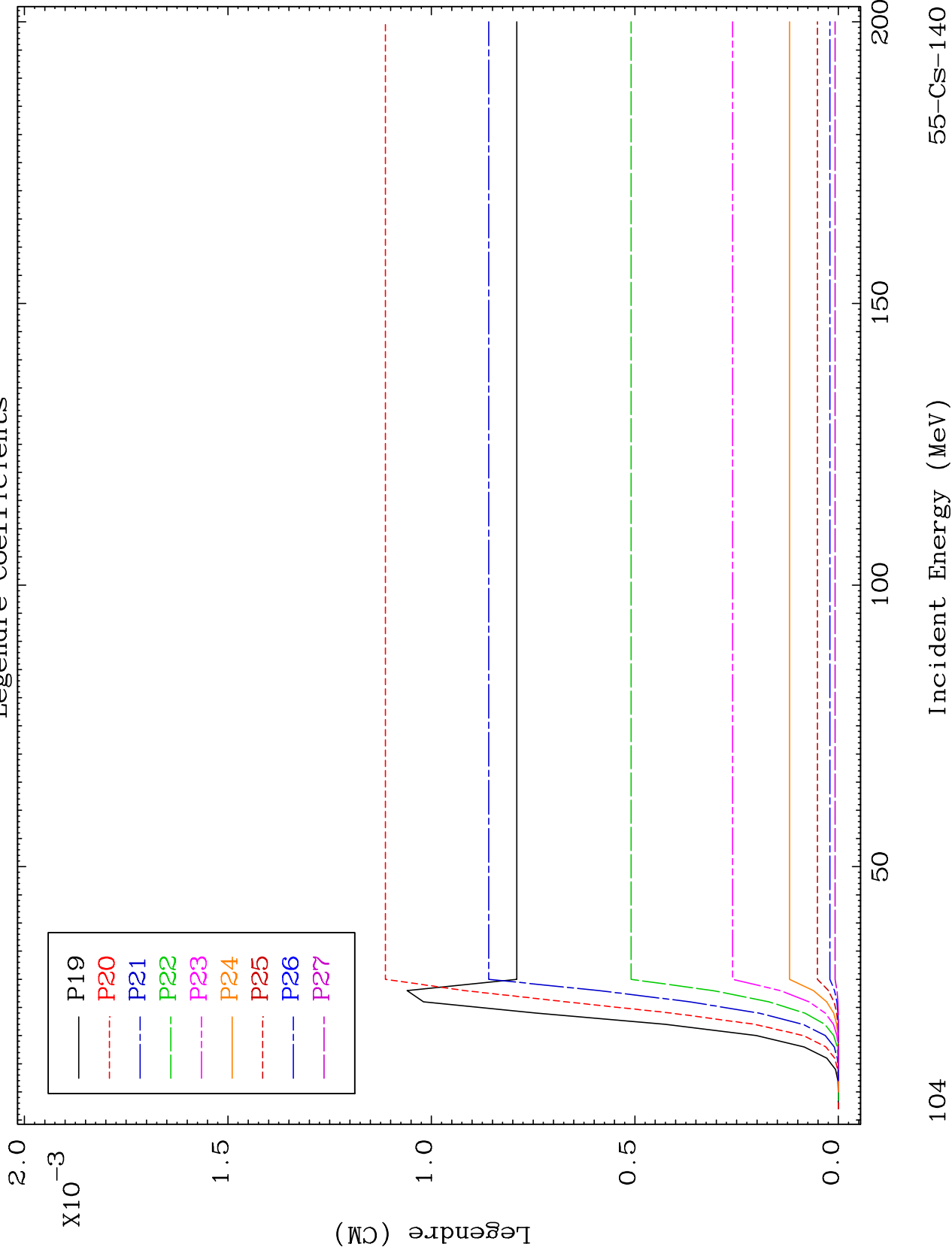
Incident Energy (MeV)

103

MAT 5546

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

55-Cs-140



104

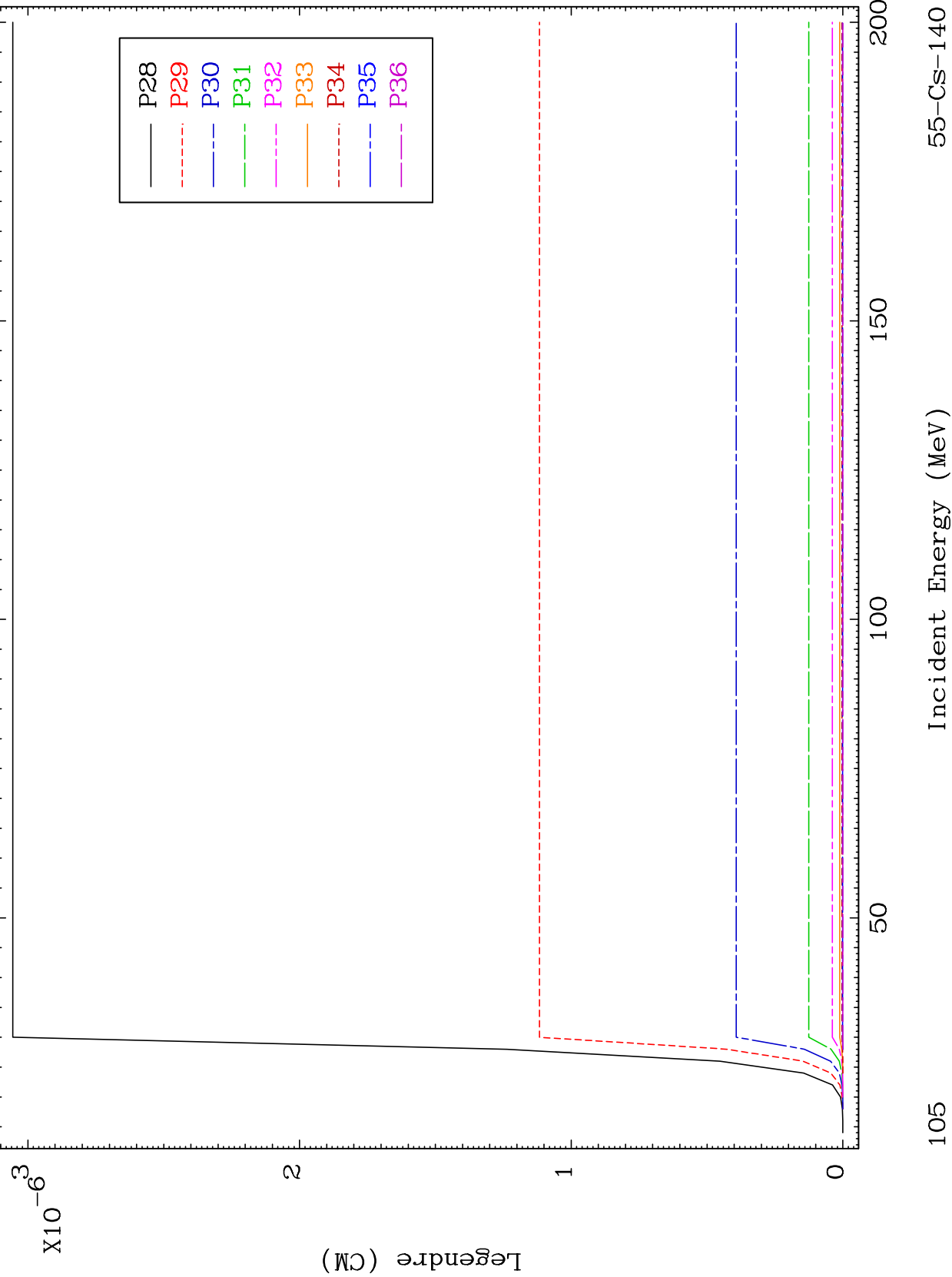
Incident Energy (MeV)

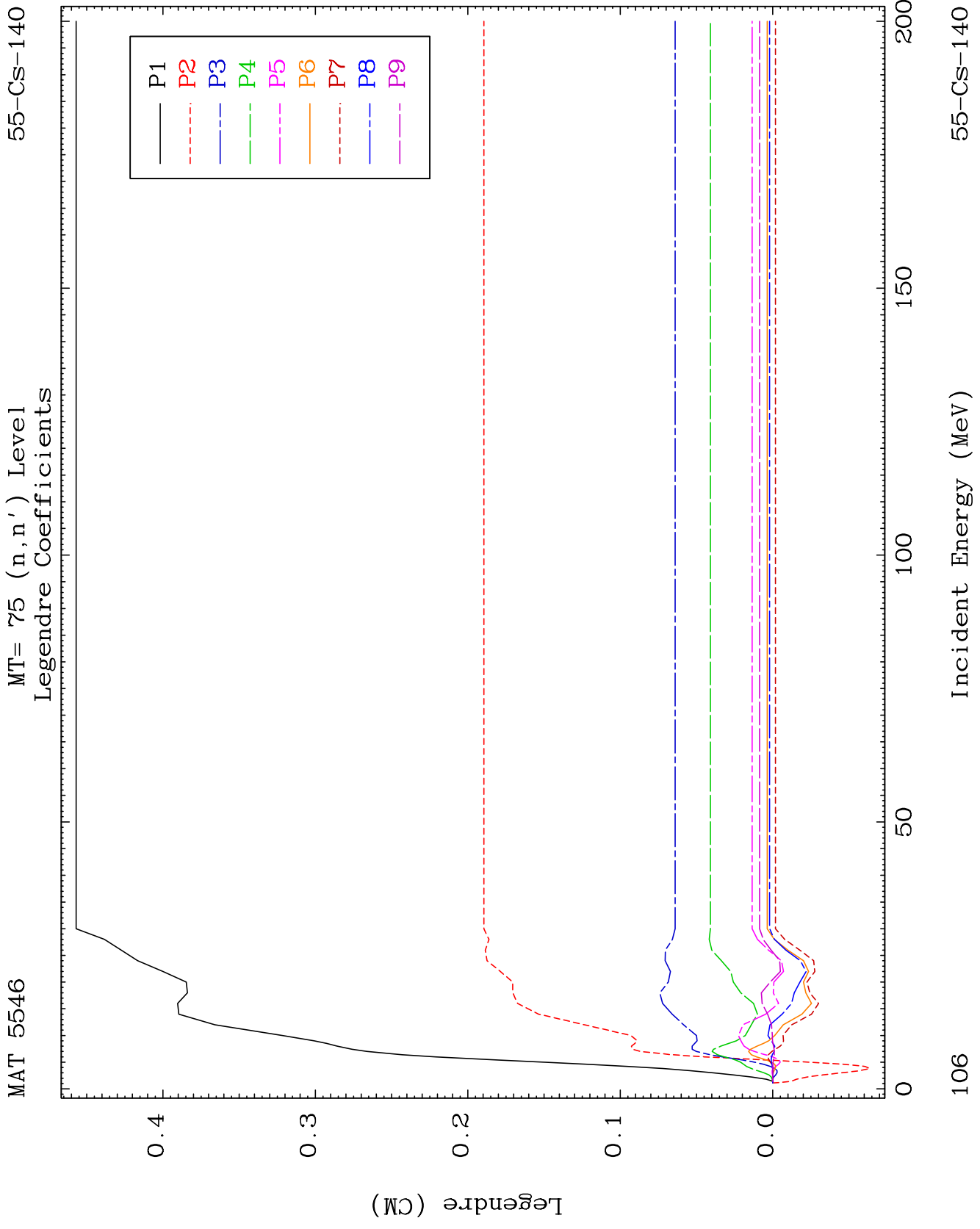
55-Cs-140

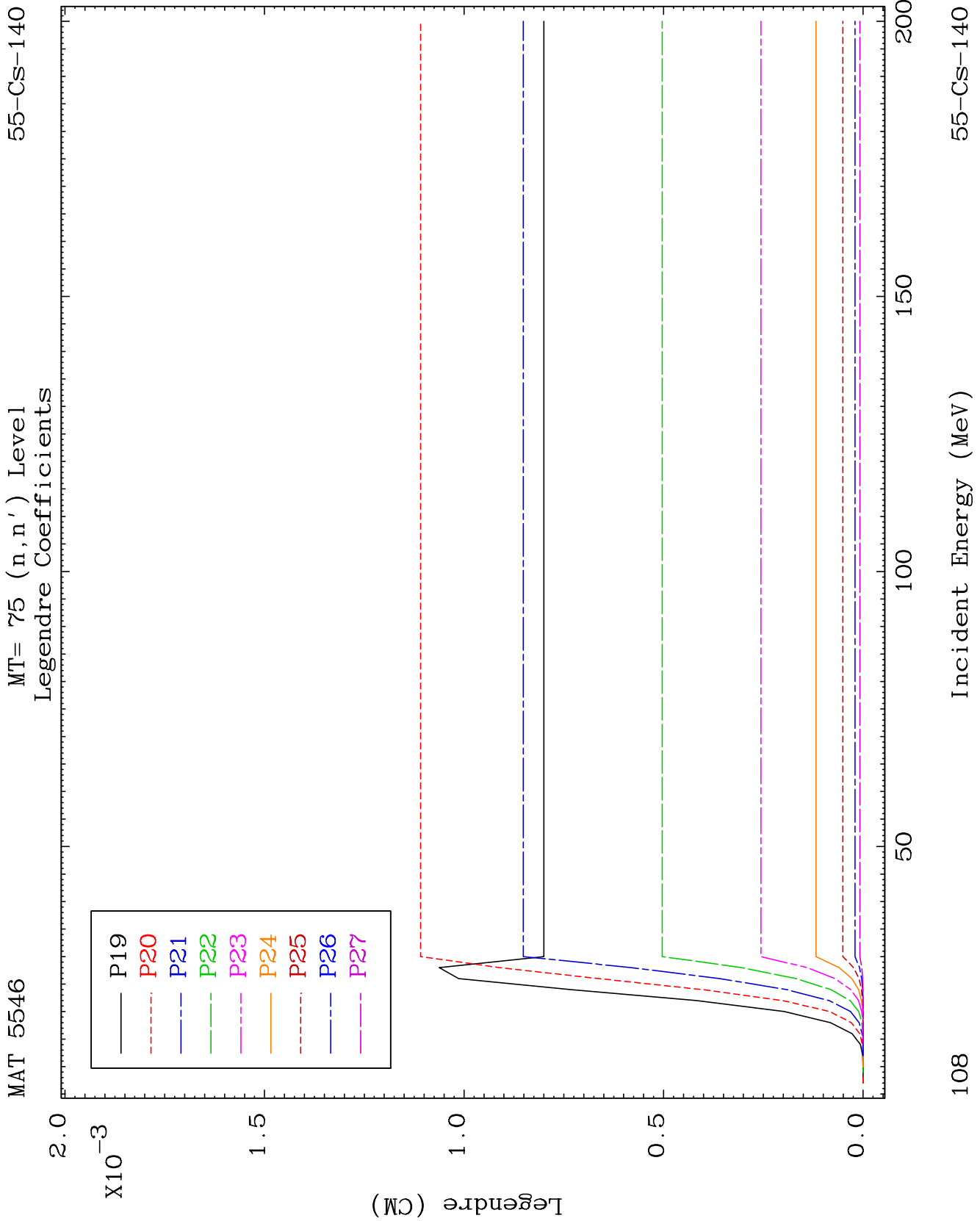
MAT 5546

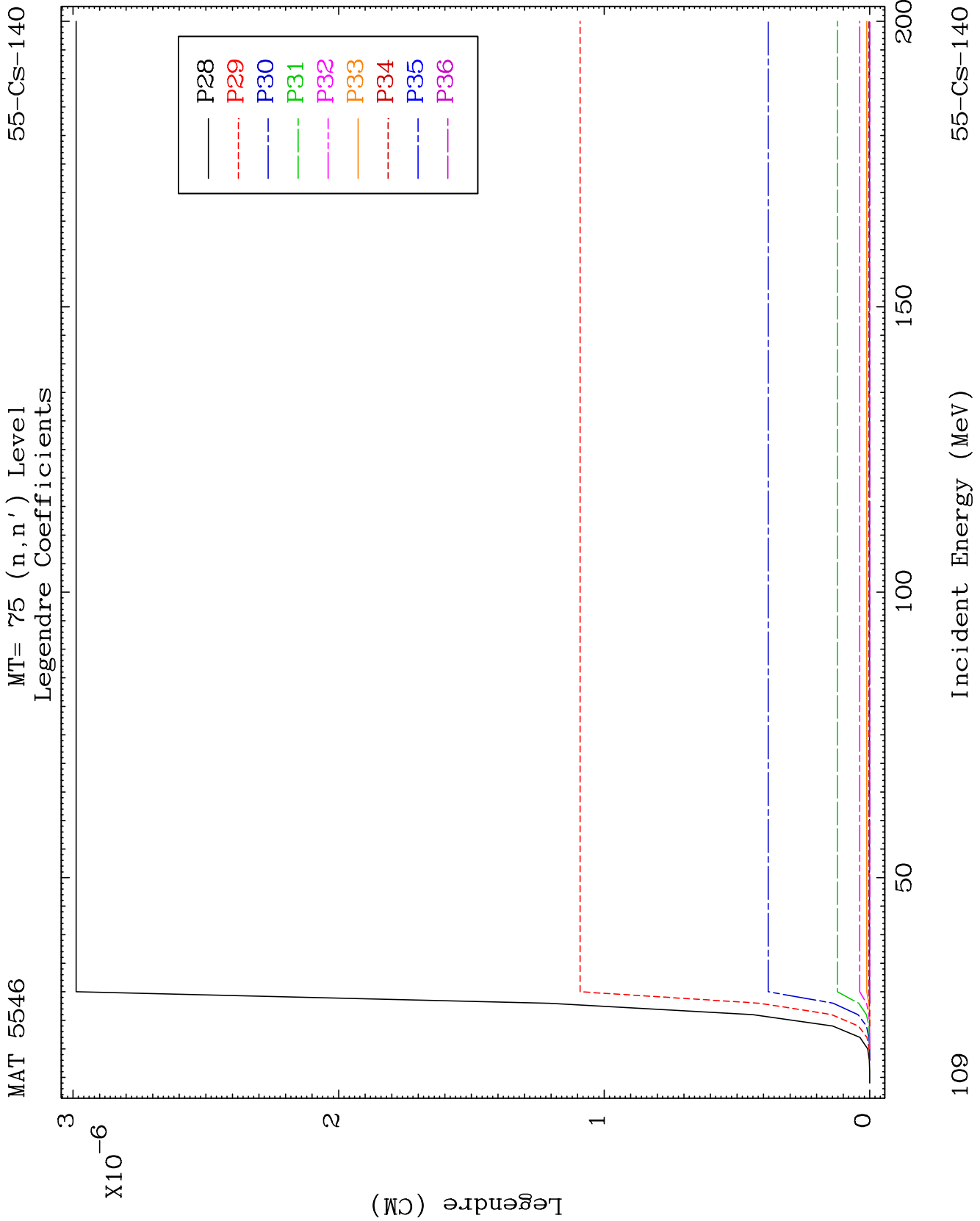
MT= 74 (n,n') Level
Legendre Coefficients

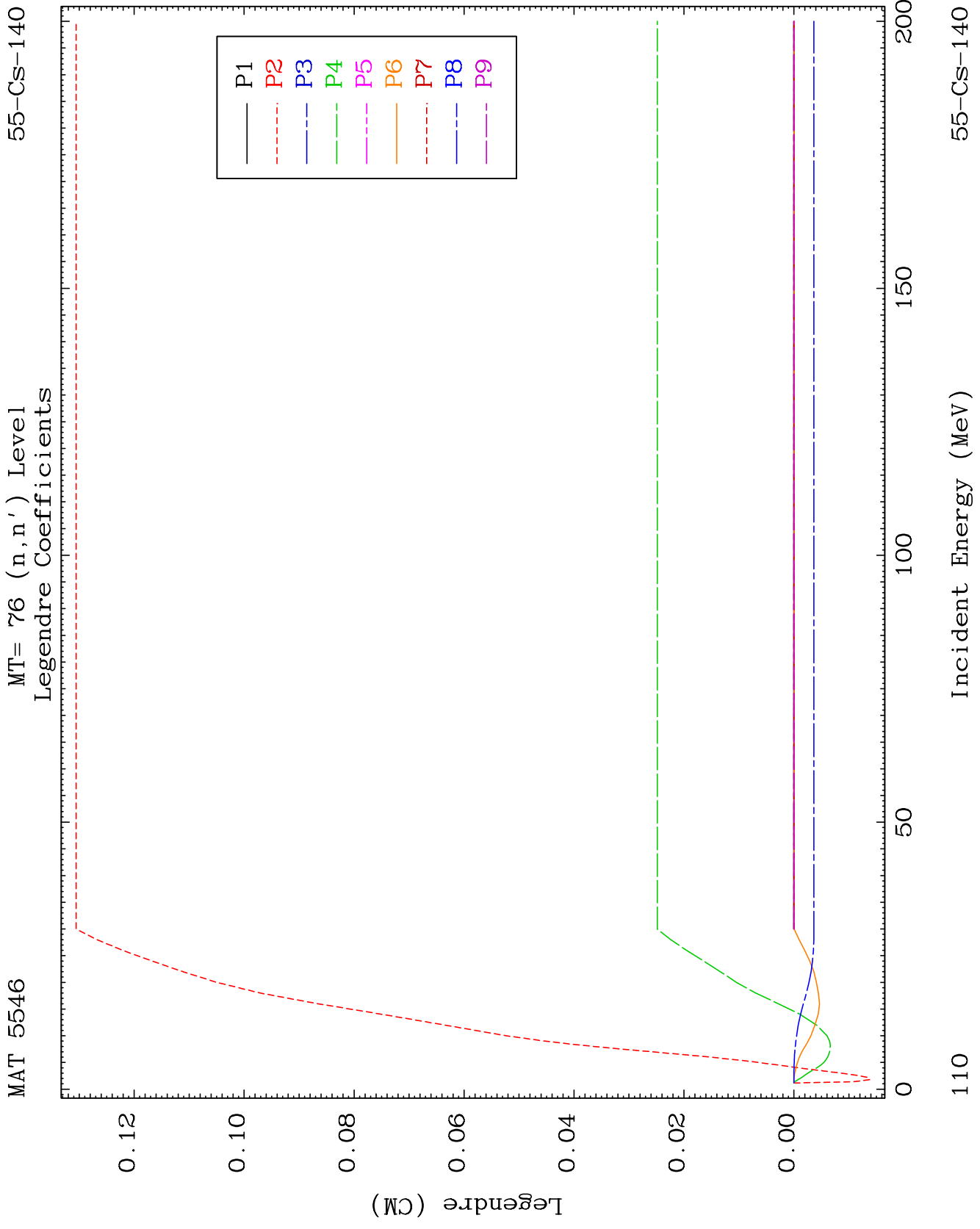
55-Cs-140

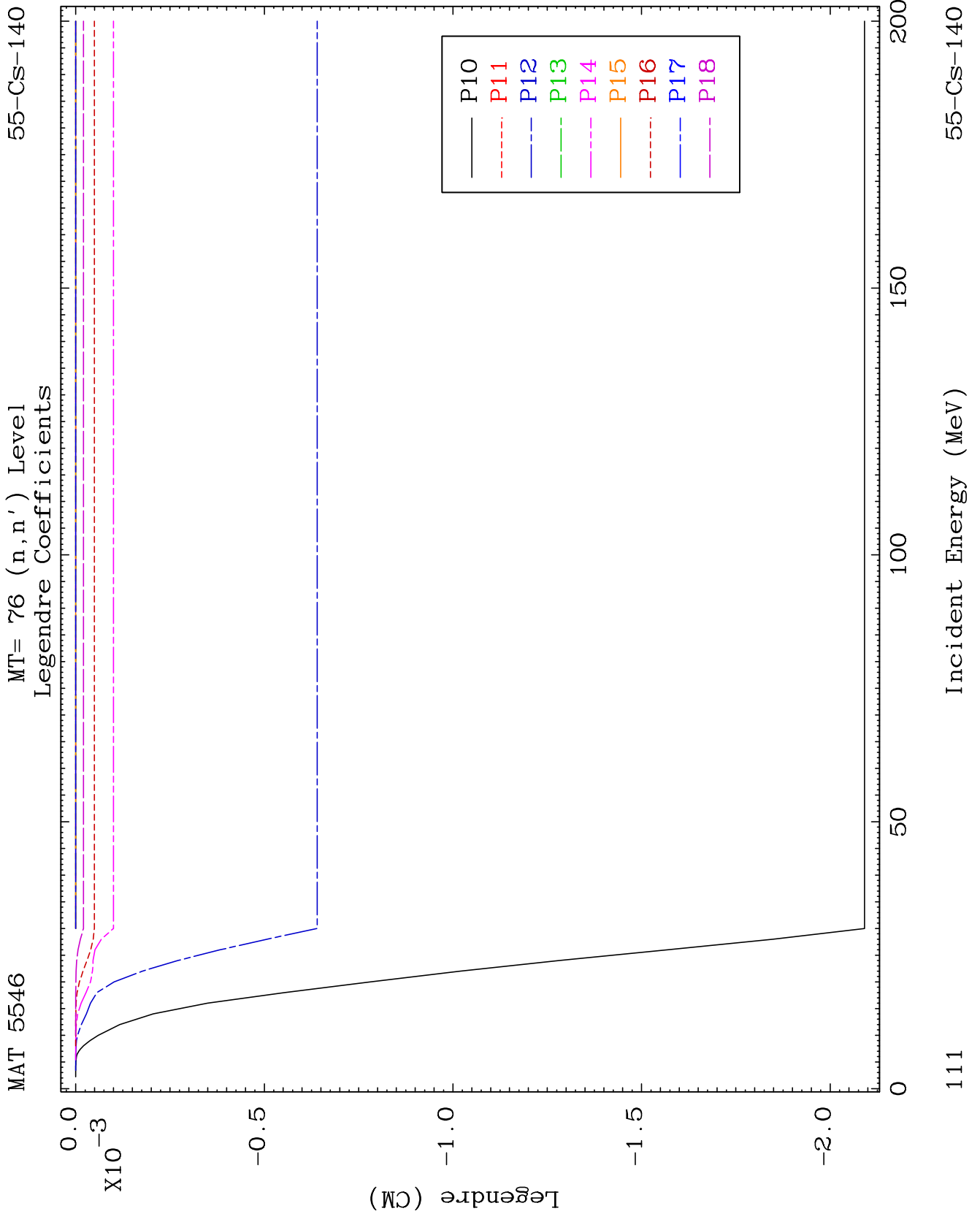


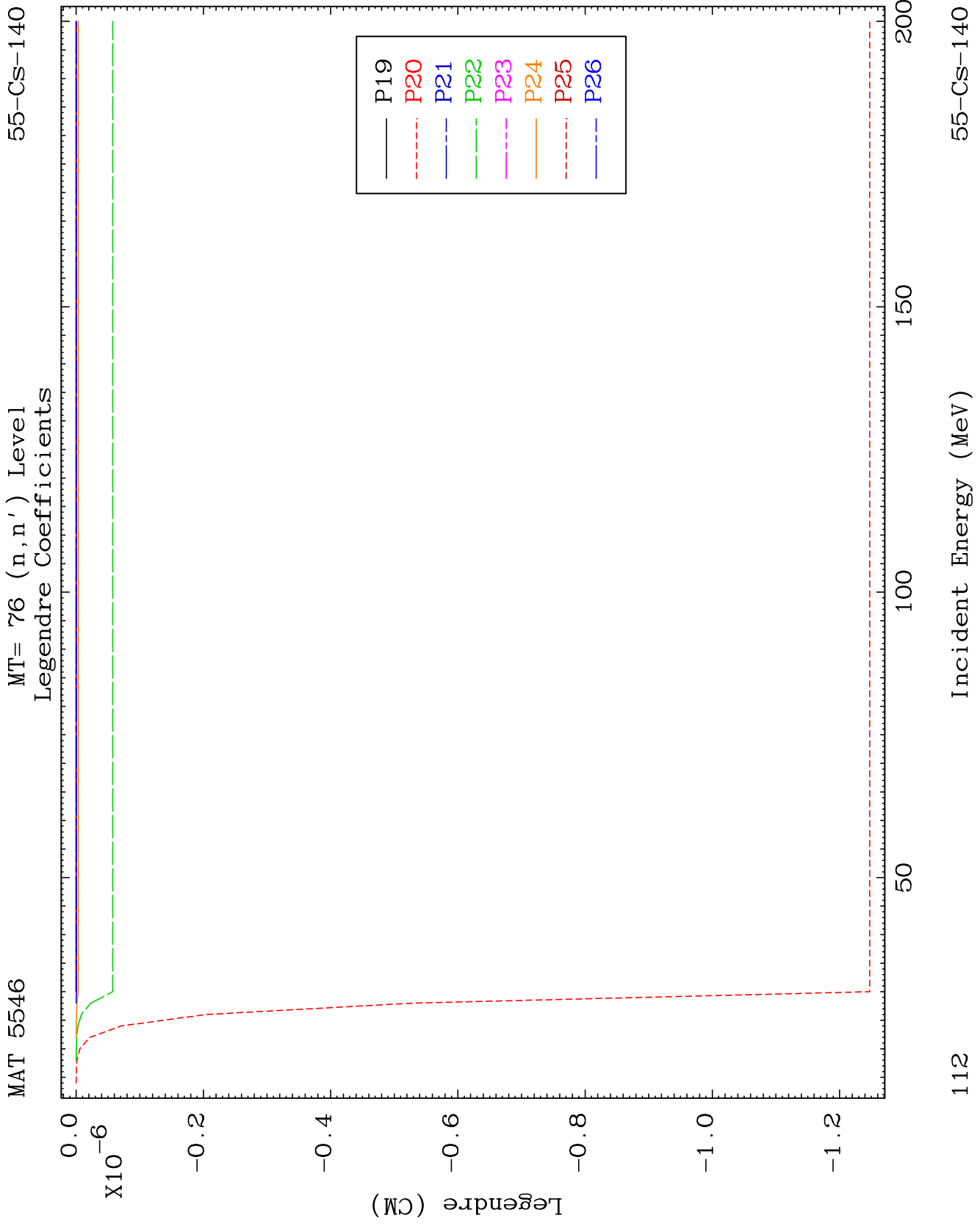








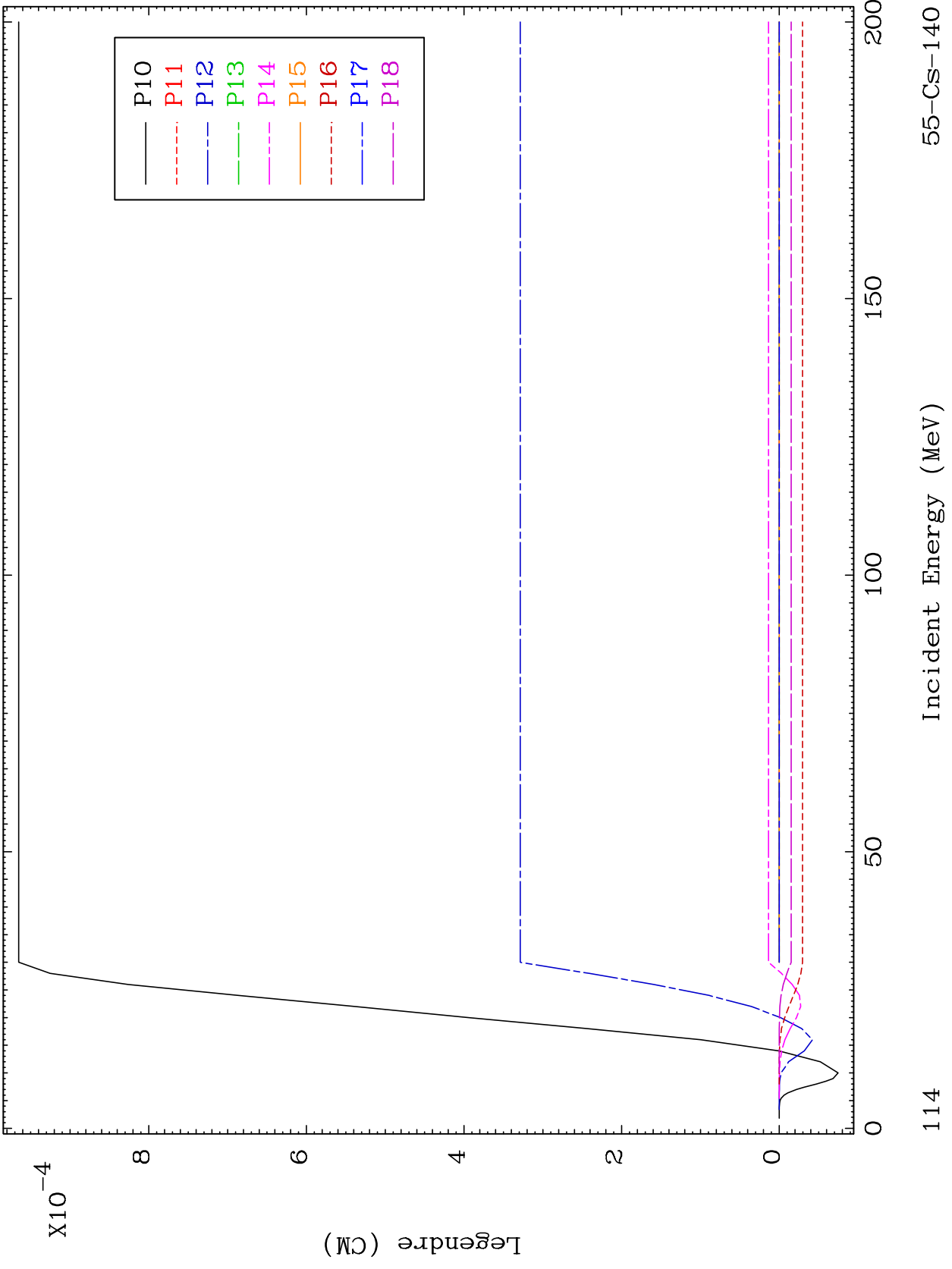


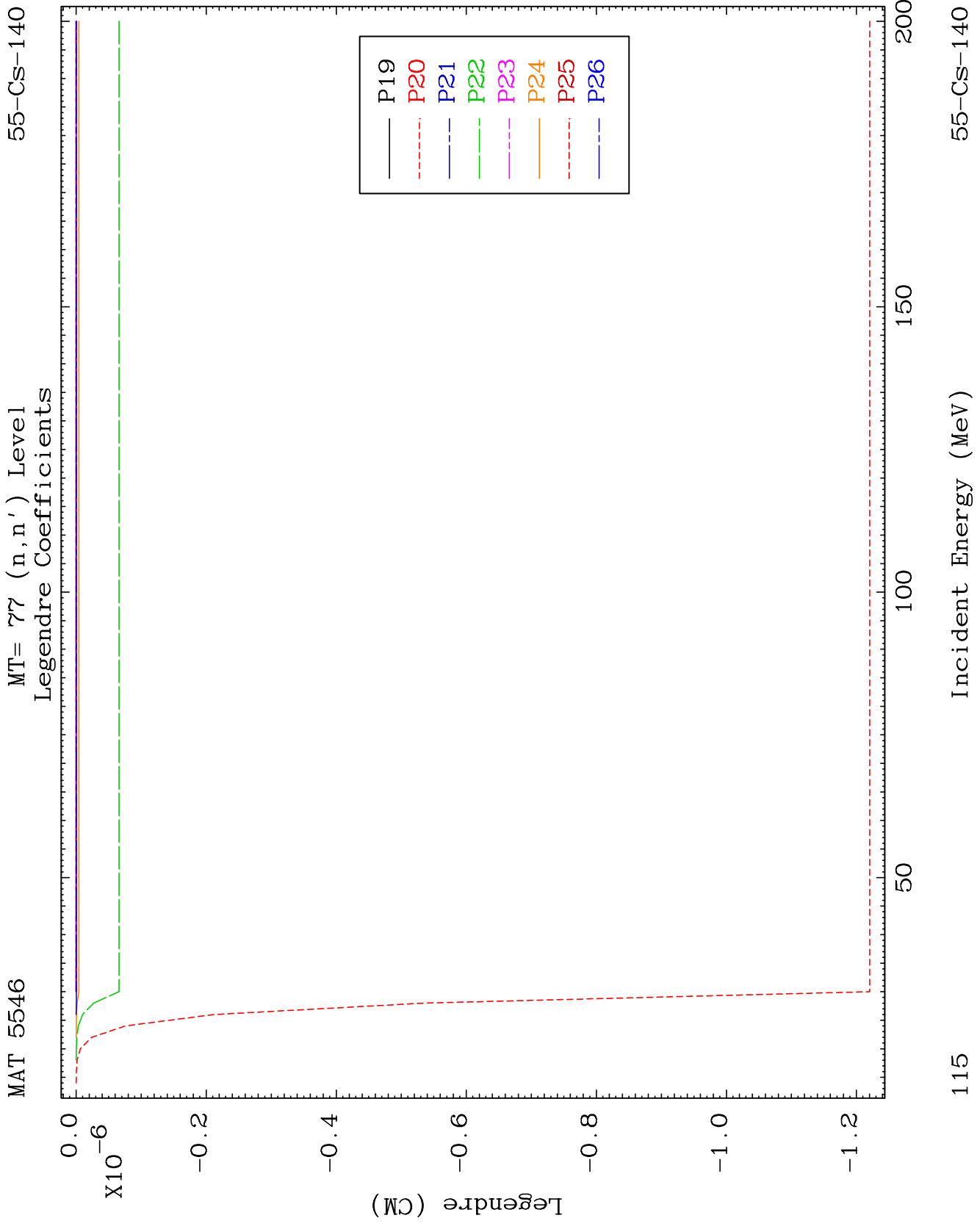


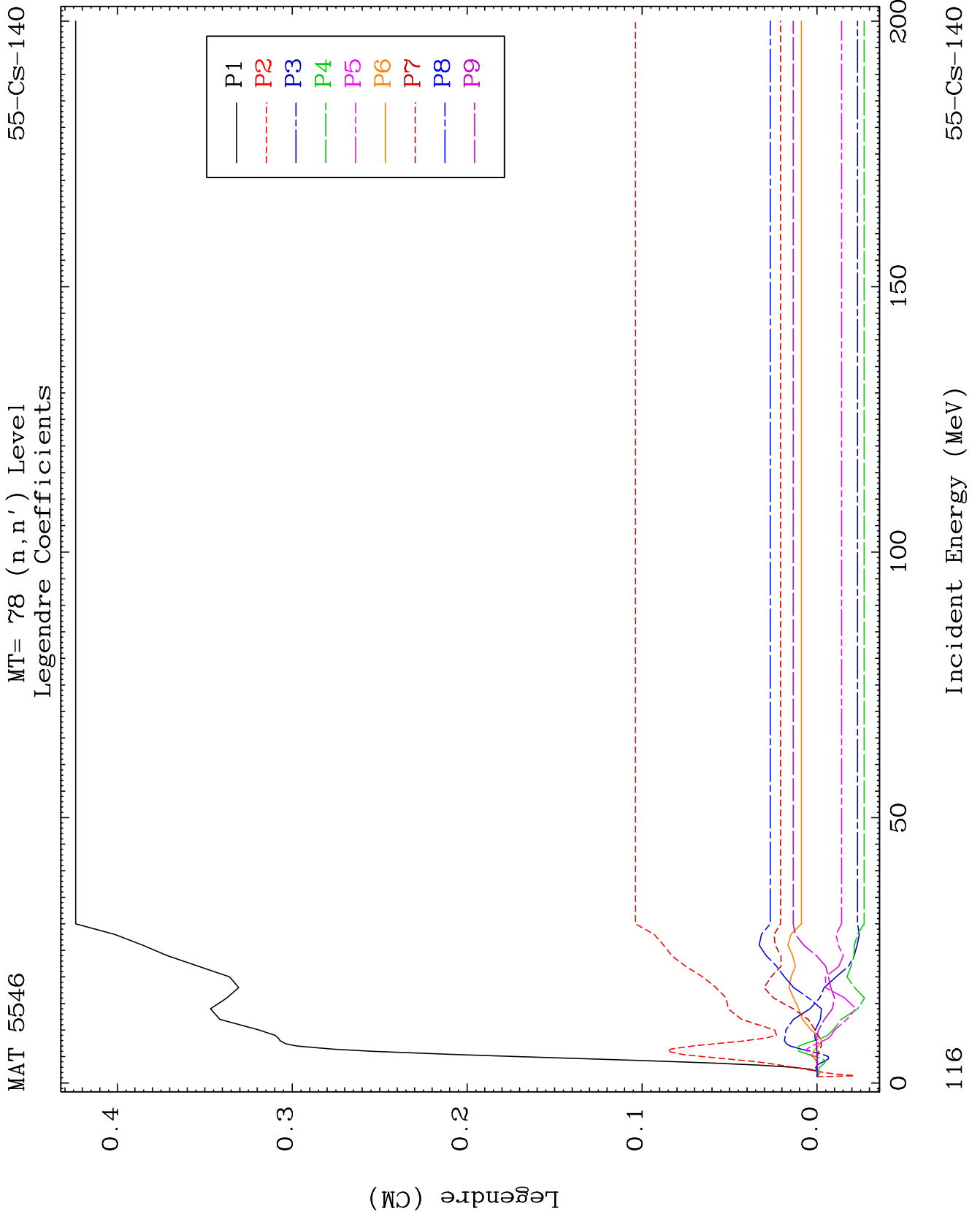
MAT 5546

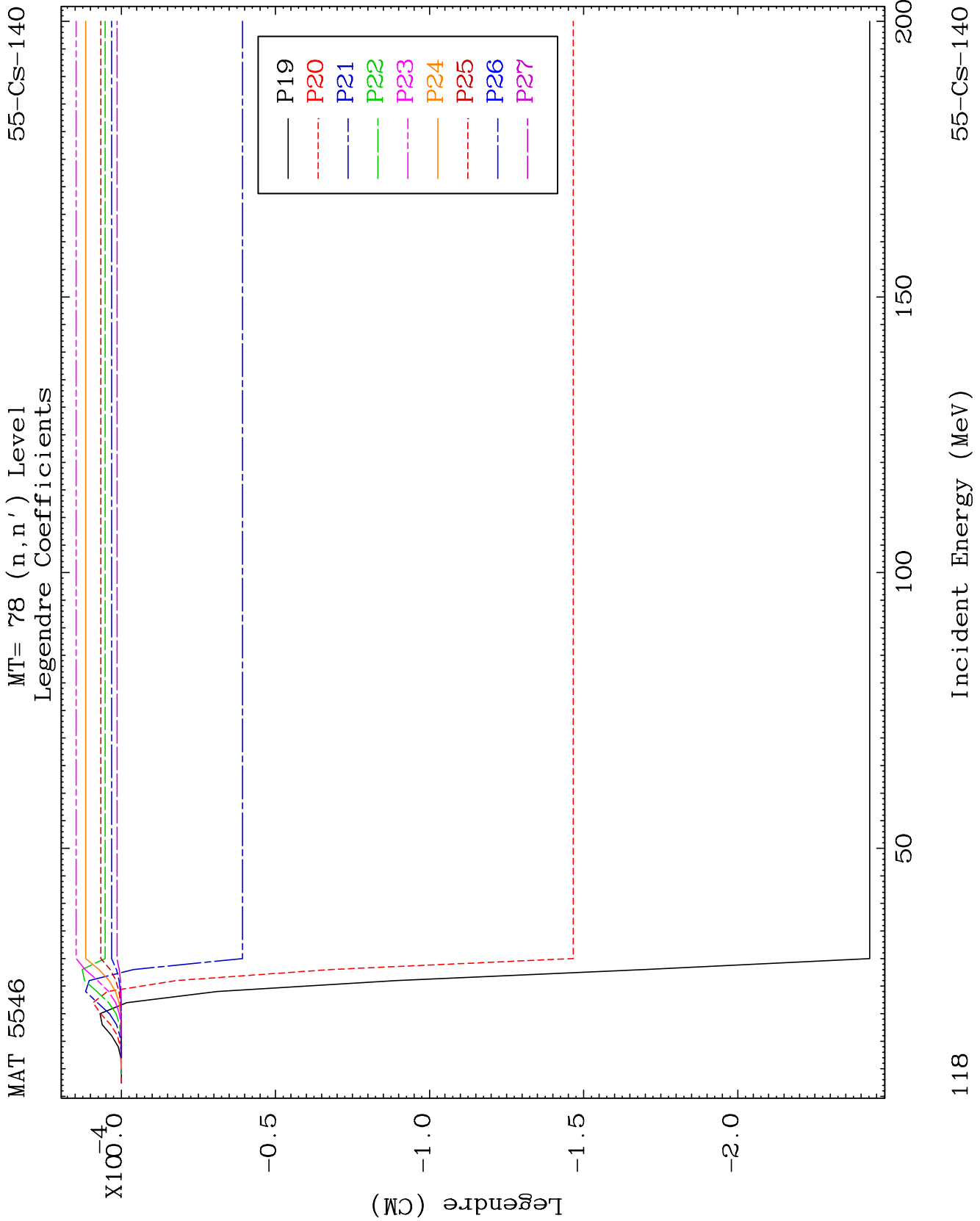
MT= 77 (n,n') Level
Legendre Coefficients

55-Cs-140





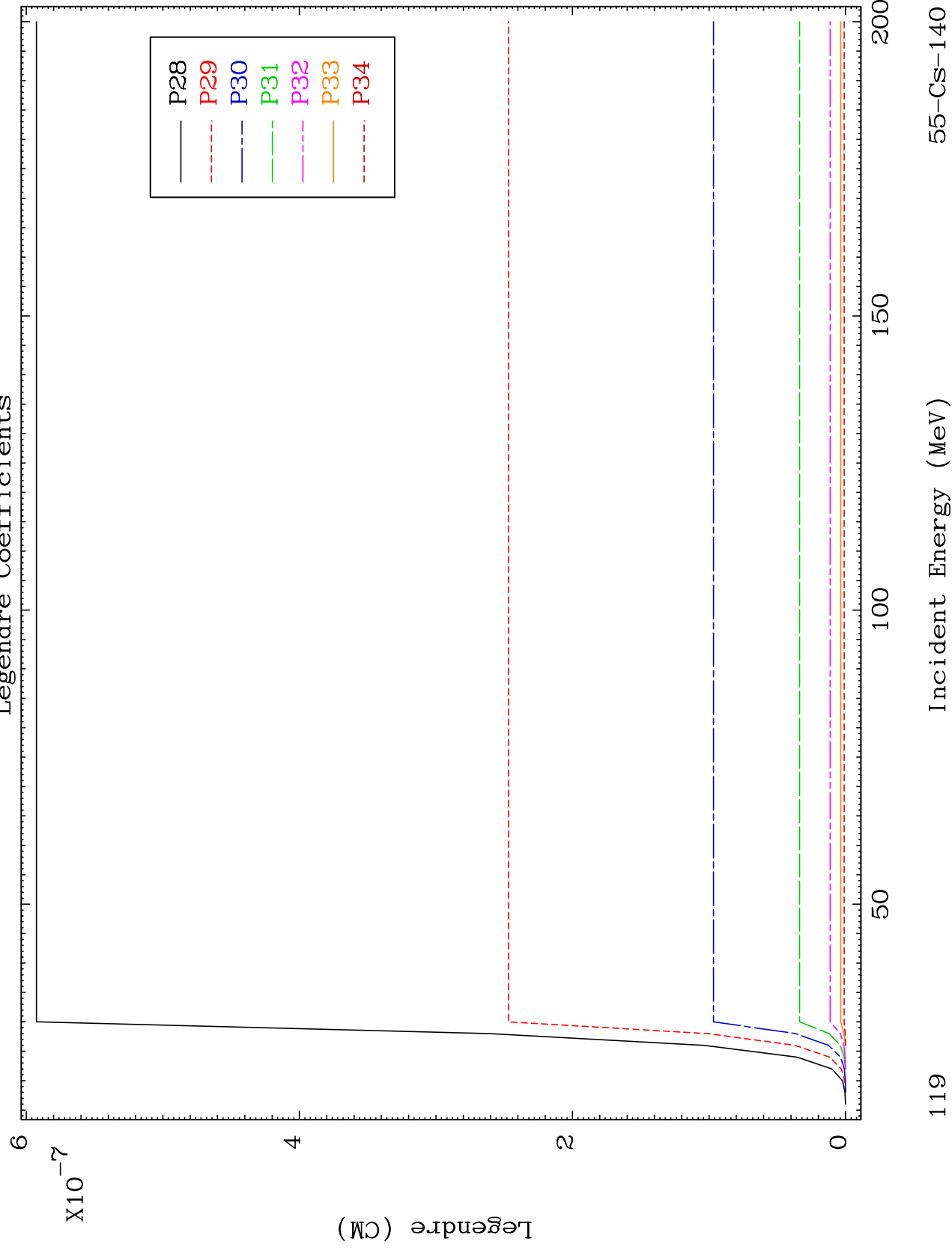




MAT 5546

MT= 78 (n,n') Level
Legendre Coefficients

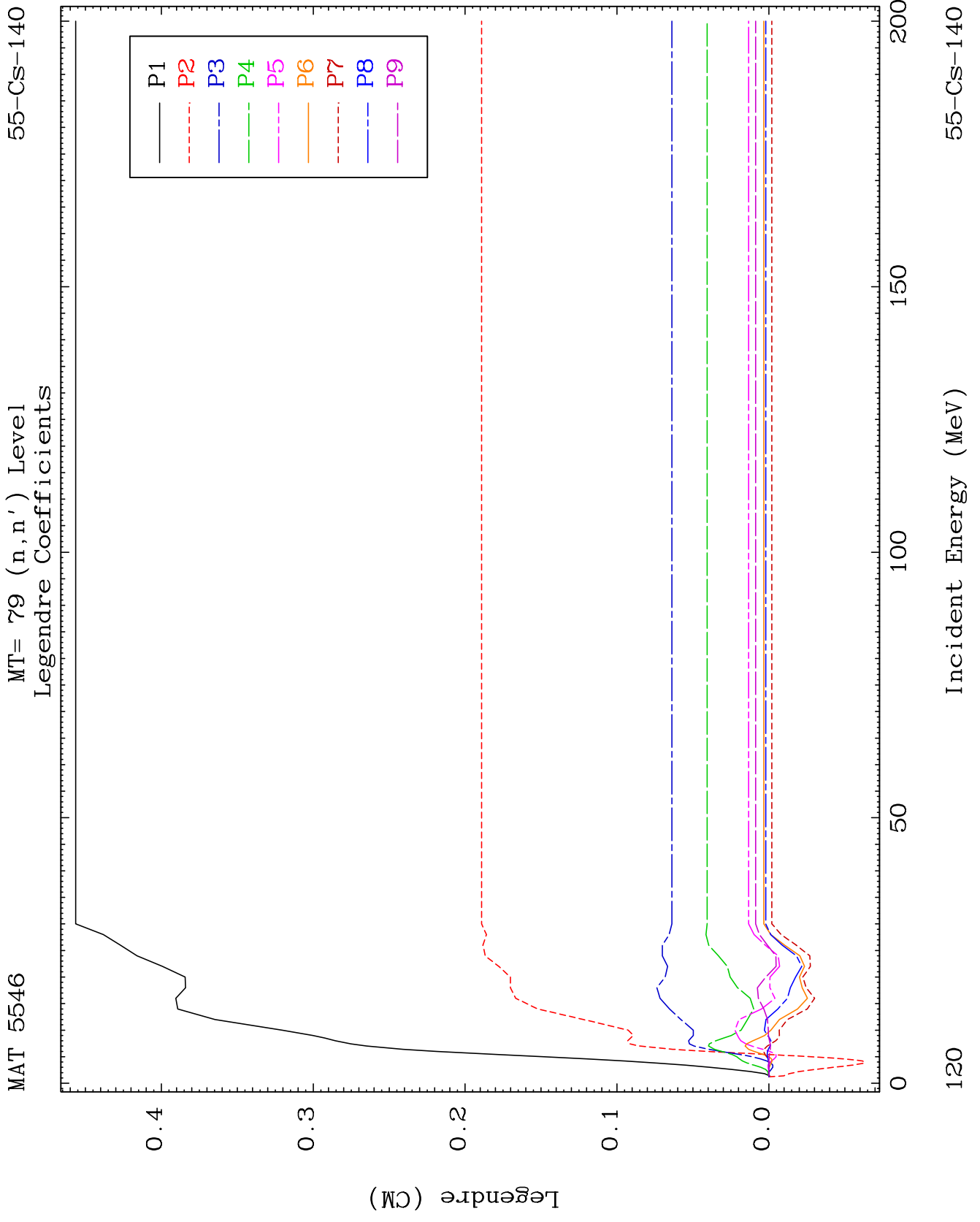
55-Cs-140



119

Incident Energy (MeV)

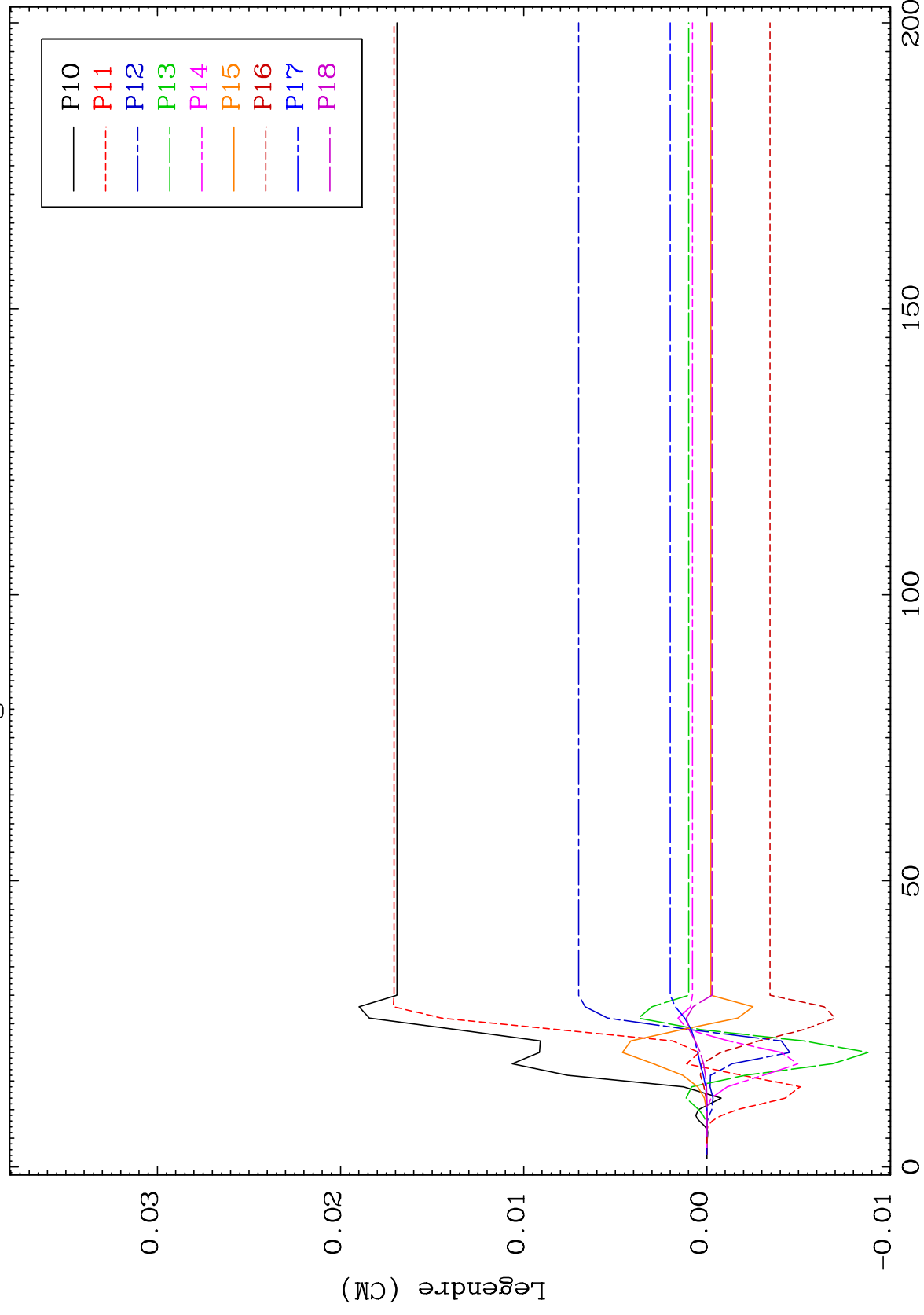
55-Cs-140



MAT 5546

MT= 79 (n,n') Level
Legendre Coefficients

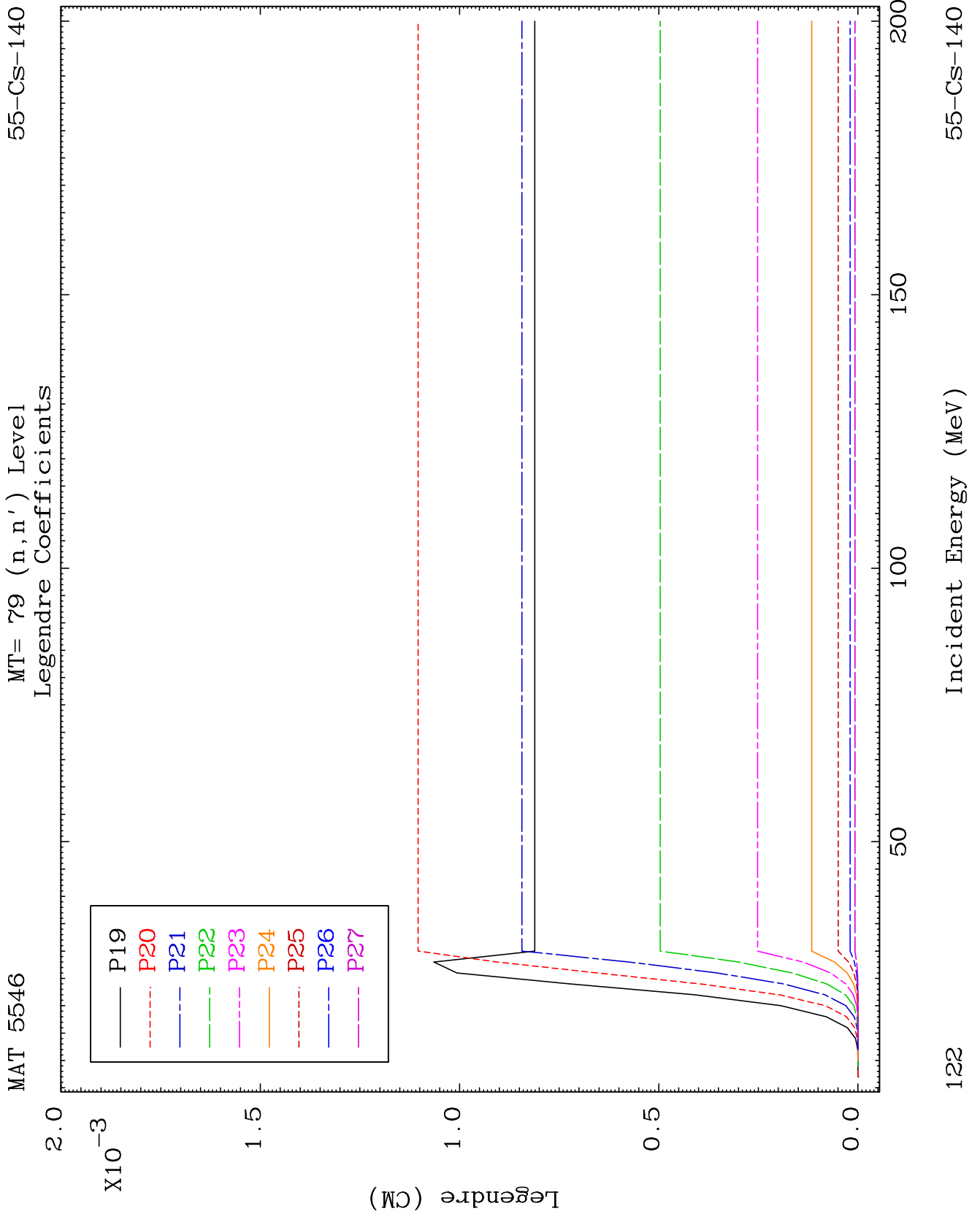
55-Cs-140



55-Cs-140

Incident Energy (MeV)

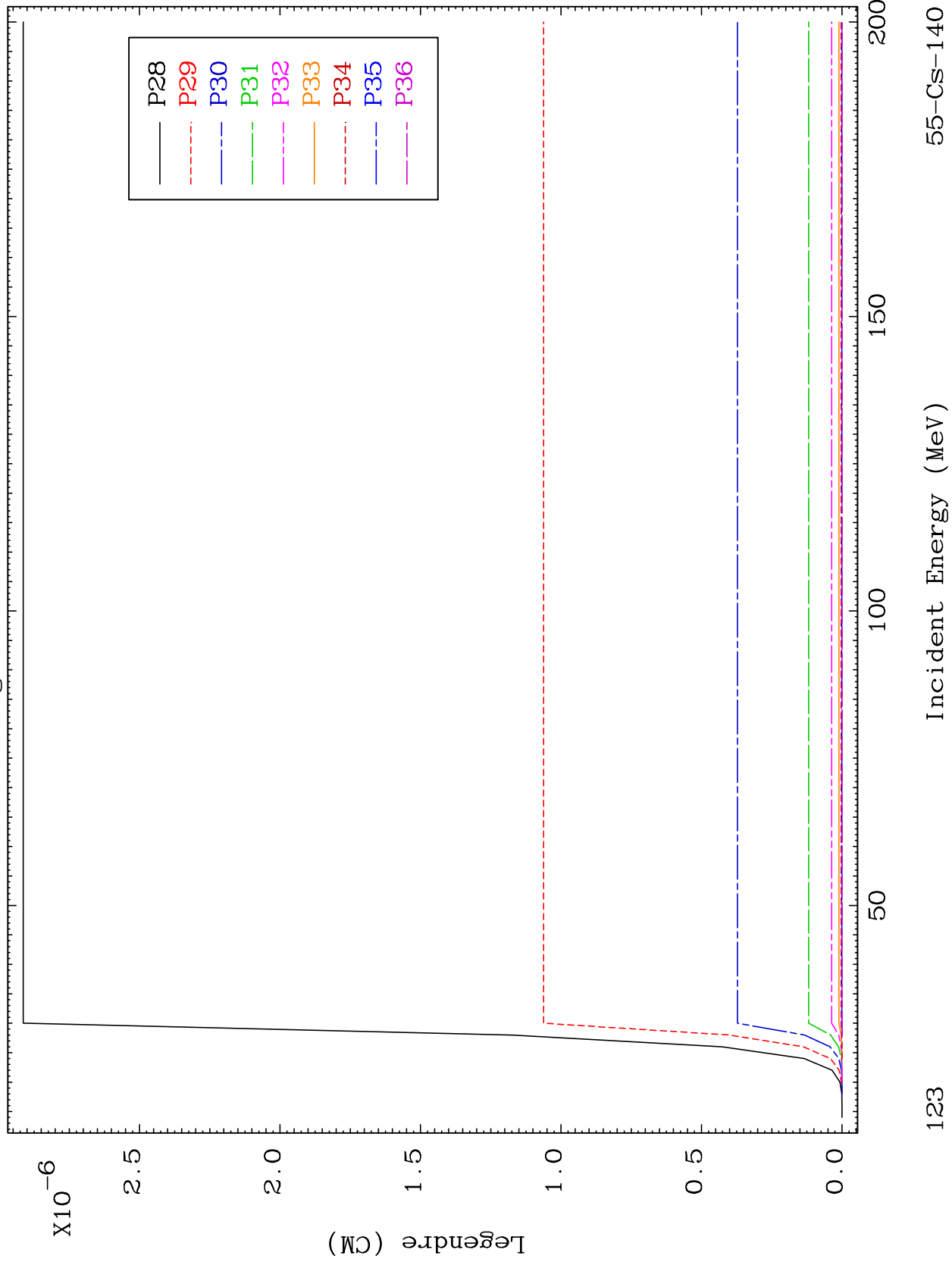
121



MAT 5546

MT= 79 (n,n') Level
Legendre Coefficients

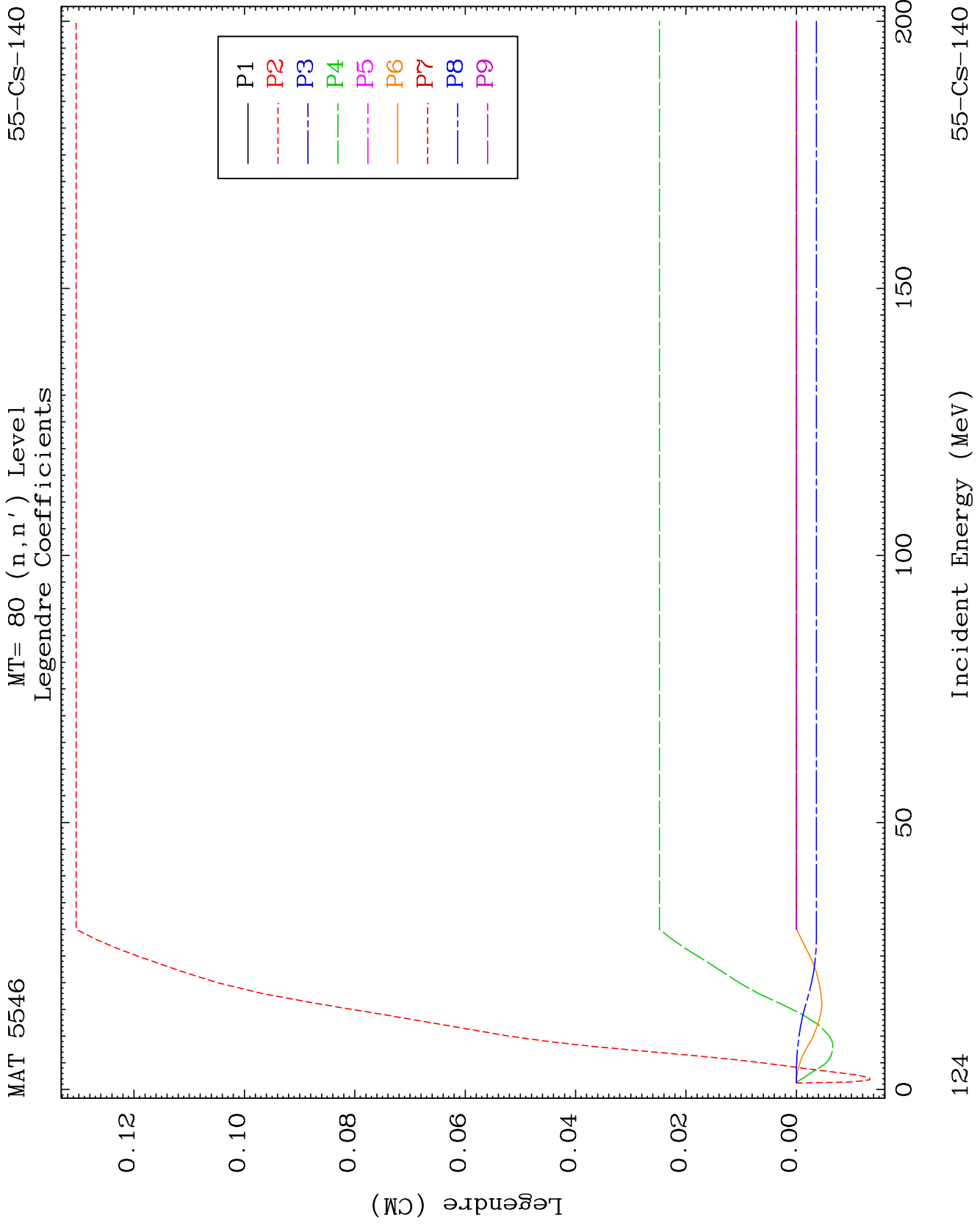
55-Cs-140

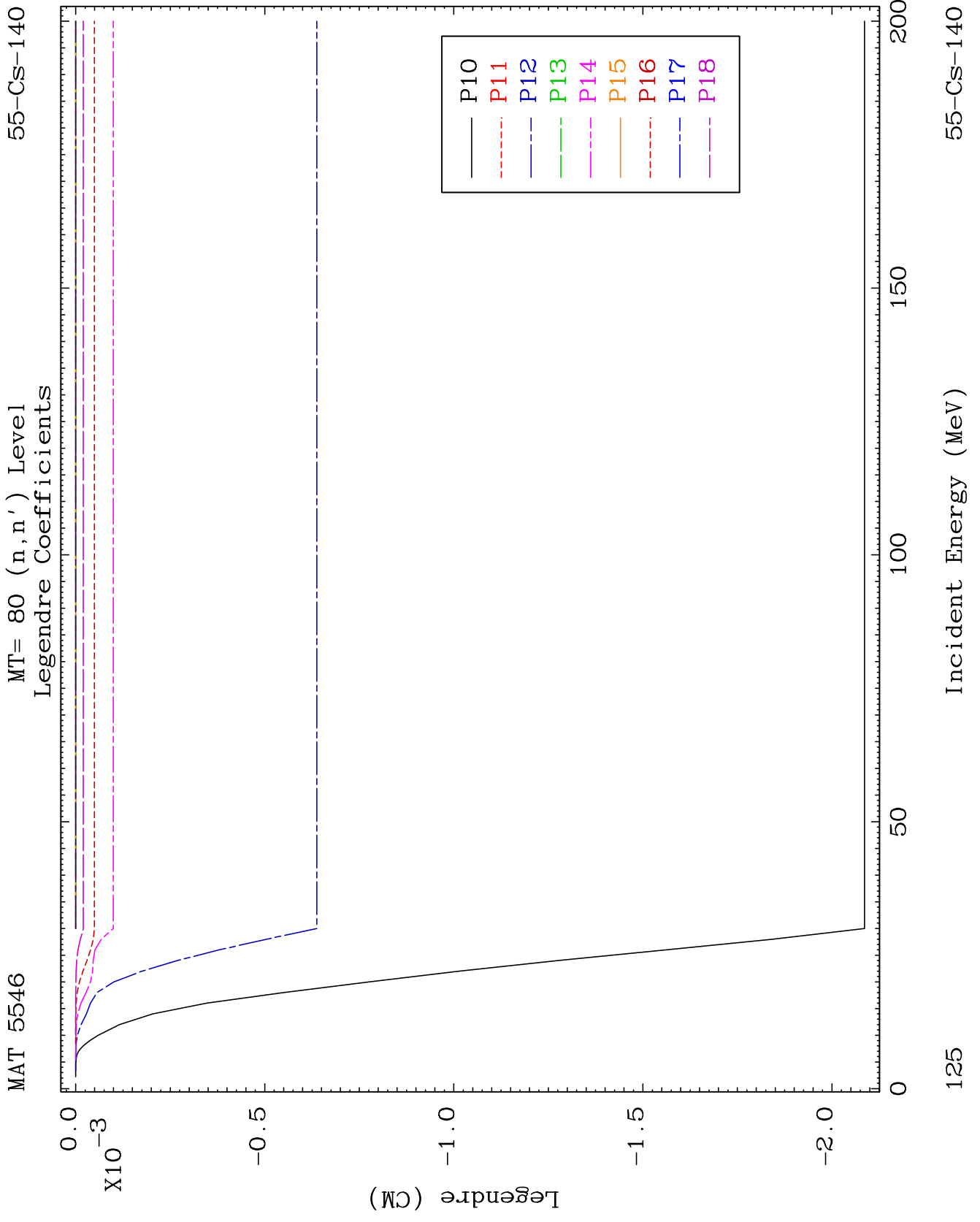


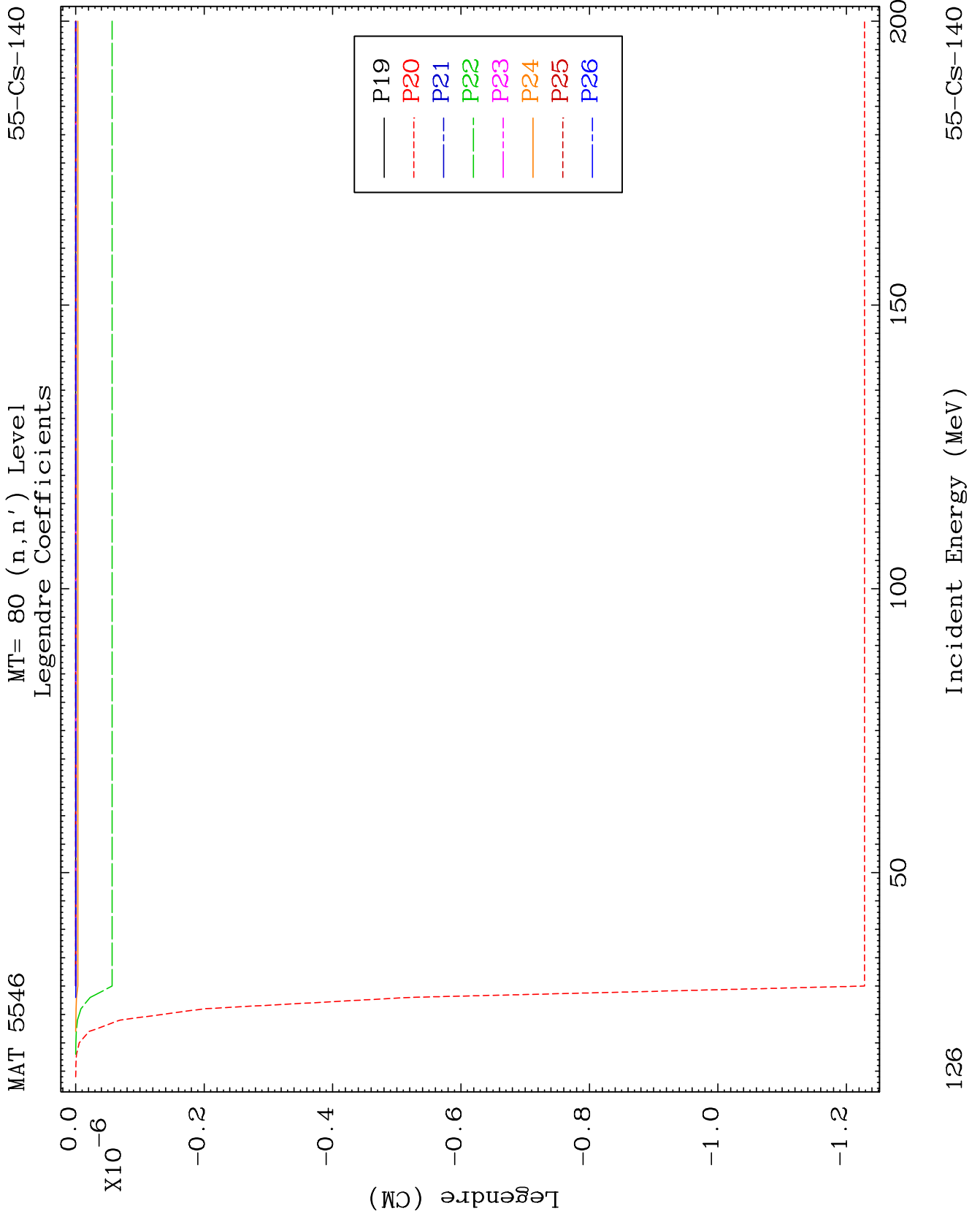
123

Incident Energy (MeV)

55-Cs-140





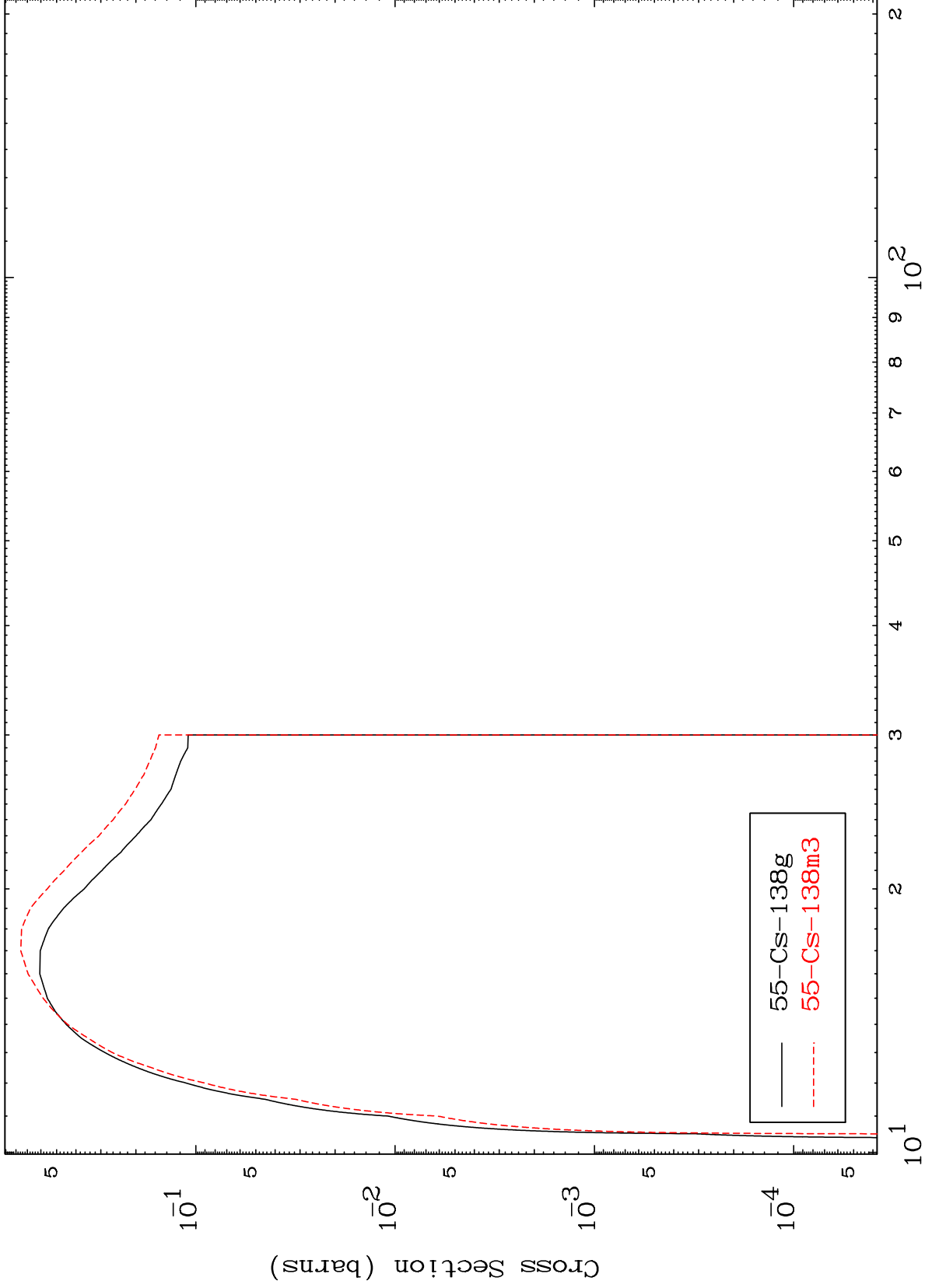


MAT 5546

(n,3n)

55-Cs-140

Radionuclide Production Cross Section



127

Incident Energy (MeV)

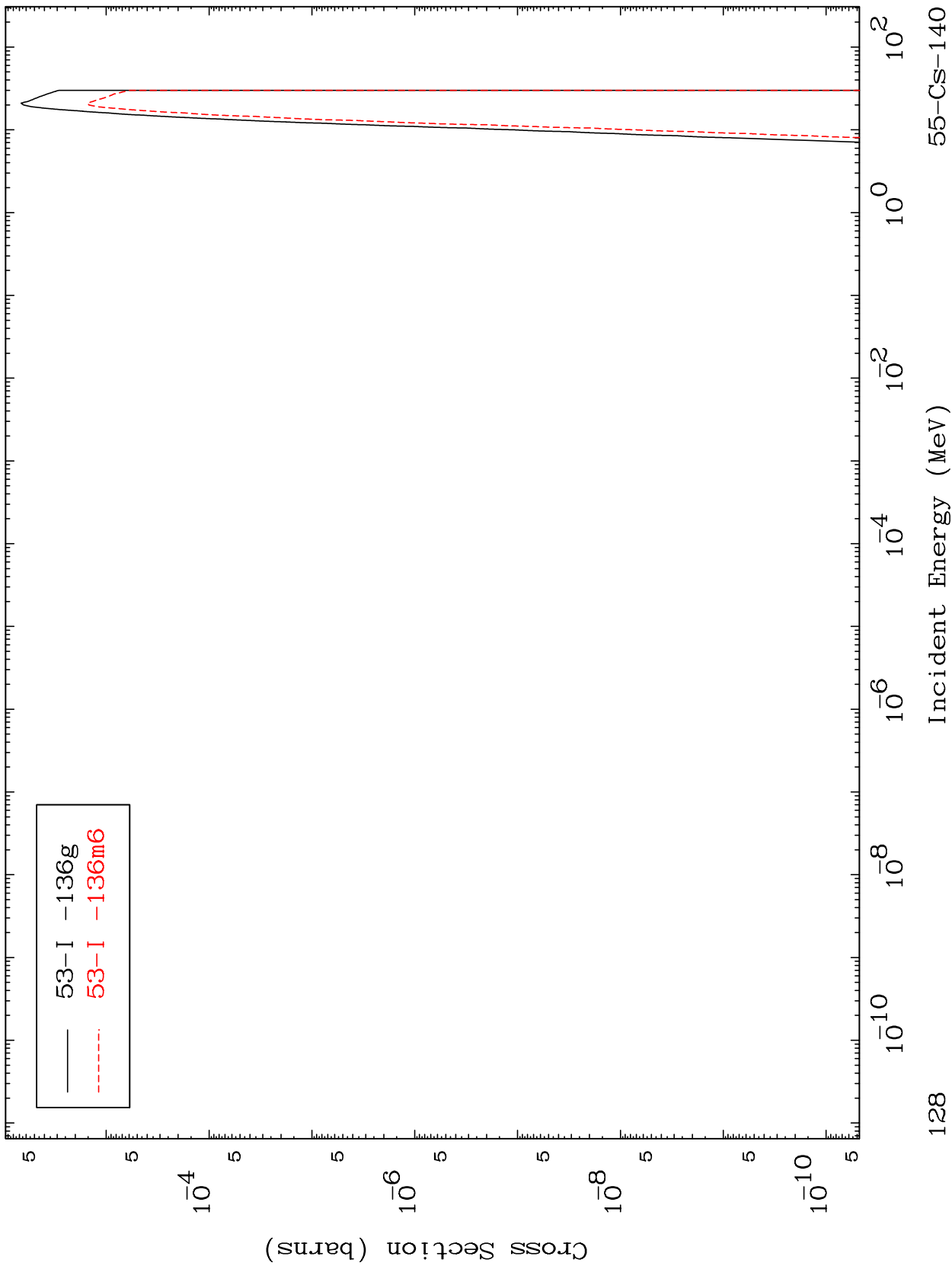
55-Cs-140

MAT 5546

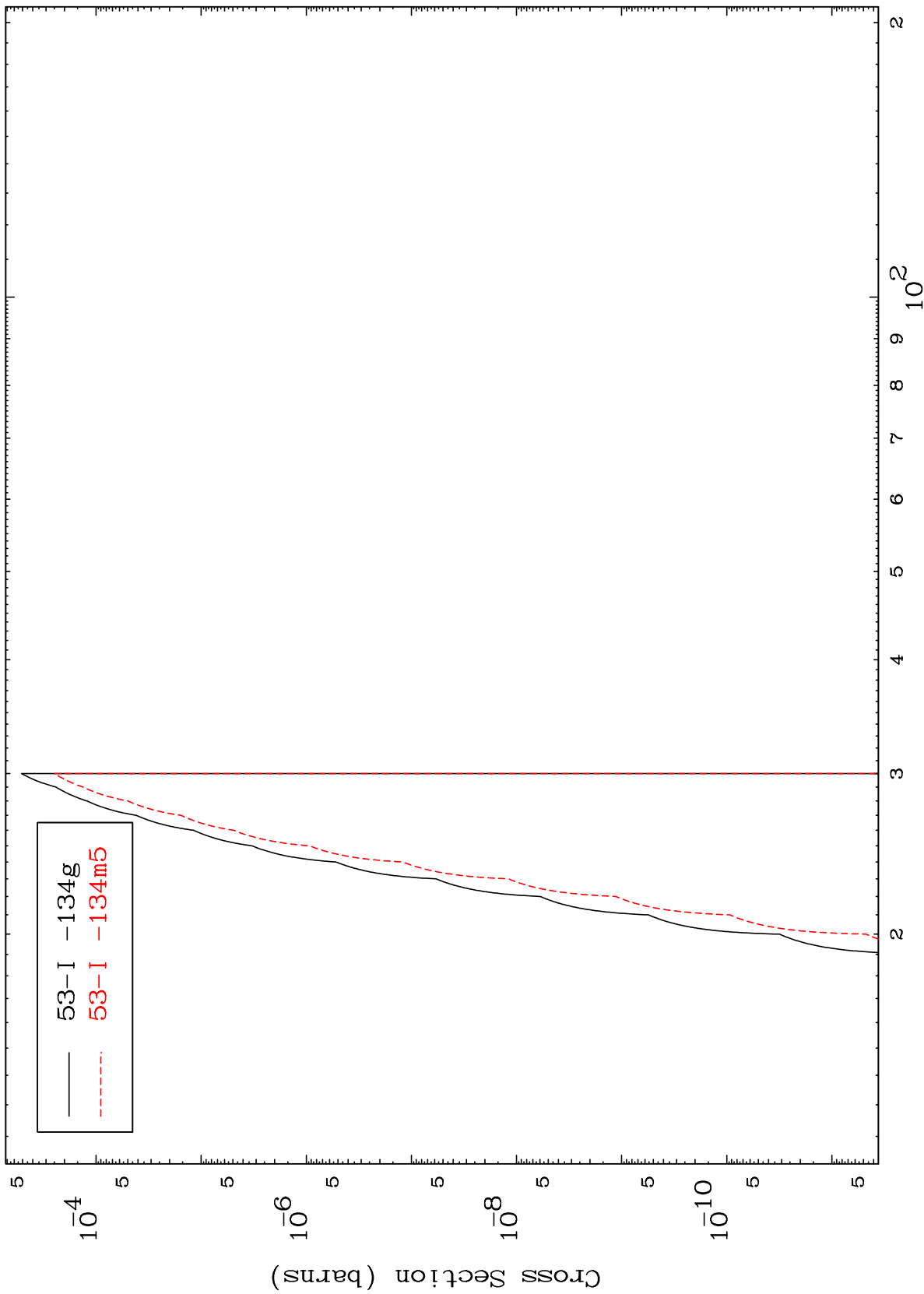
$(n, n') \alpha$

55-Cs-140

Radionuclide Production Cross Section



Radionuclide Production Cross Section

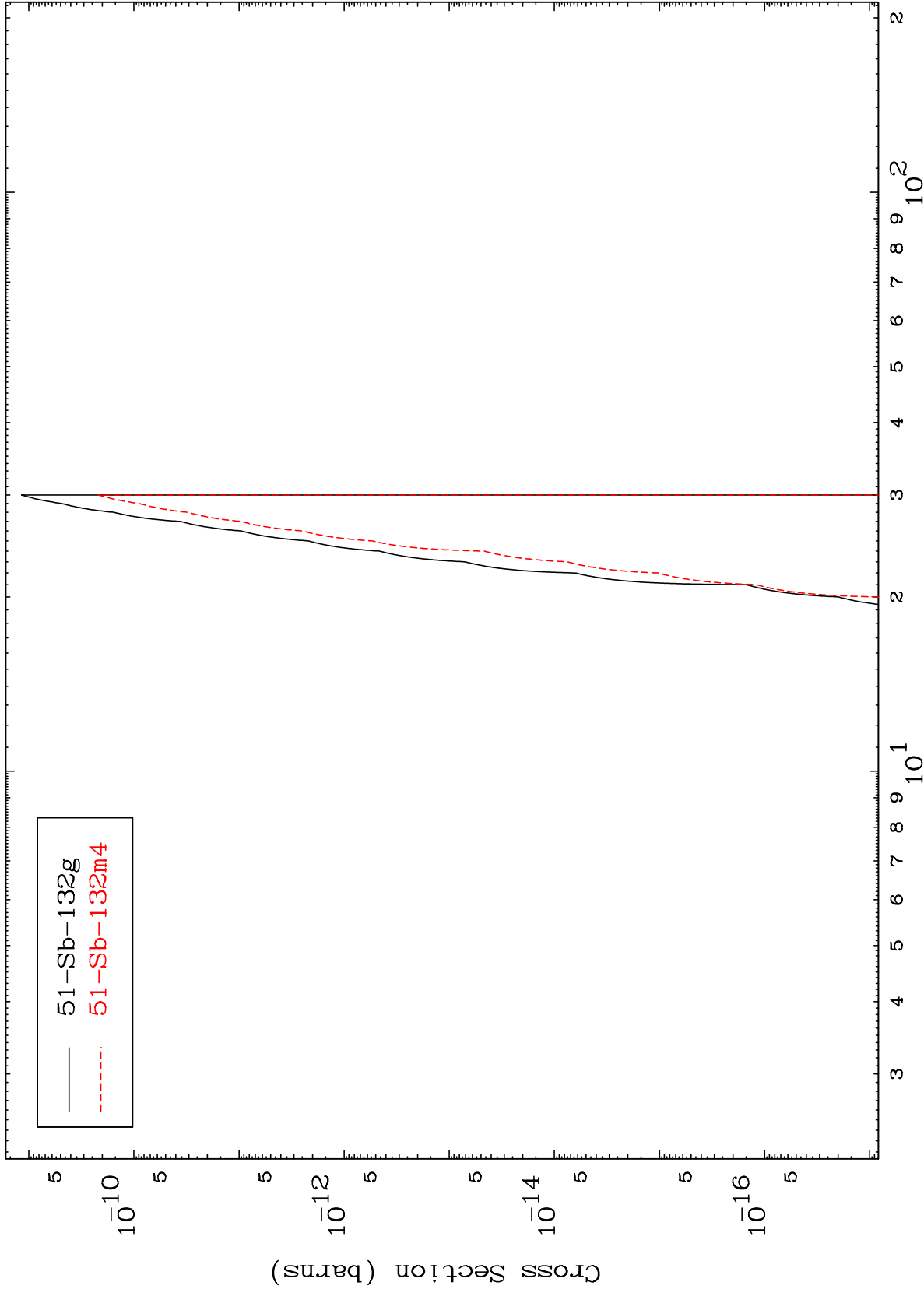


MAT 5546

(n,n') 2α

55-Cs-140

Radionuclide Production Cross Section



130

Incident Energy (MeV)

55-Cs-140