

Program EVALPLOT  
(Version 2015-2)

by

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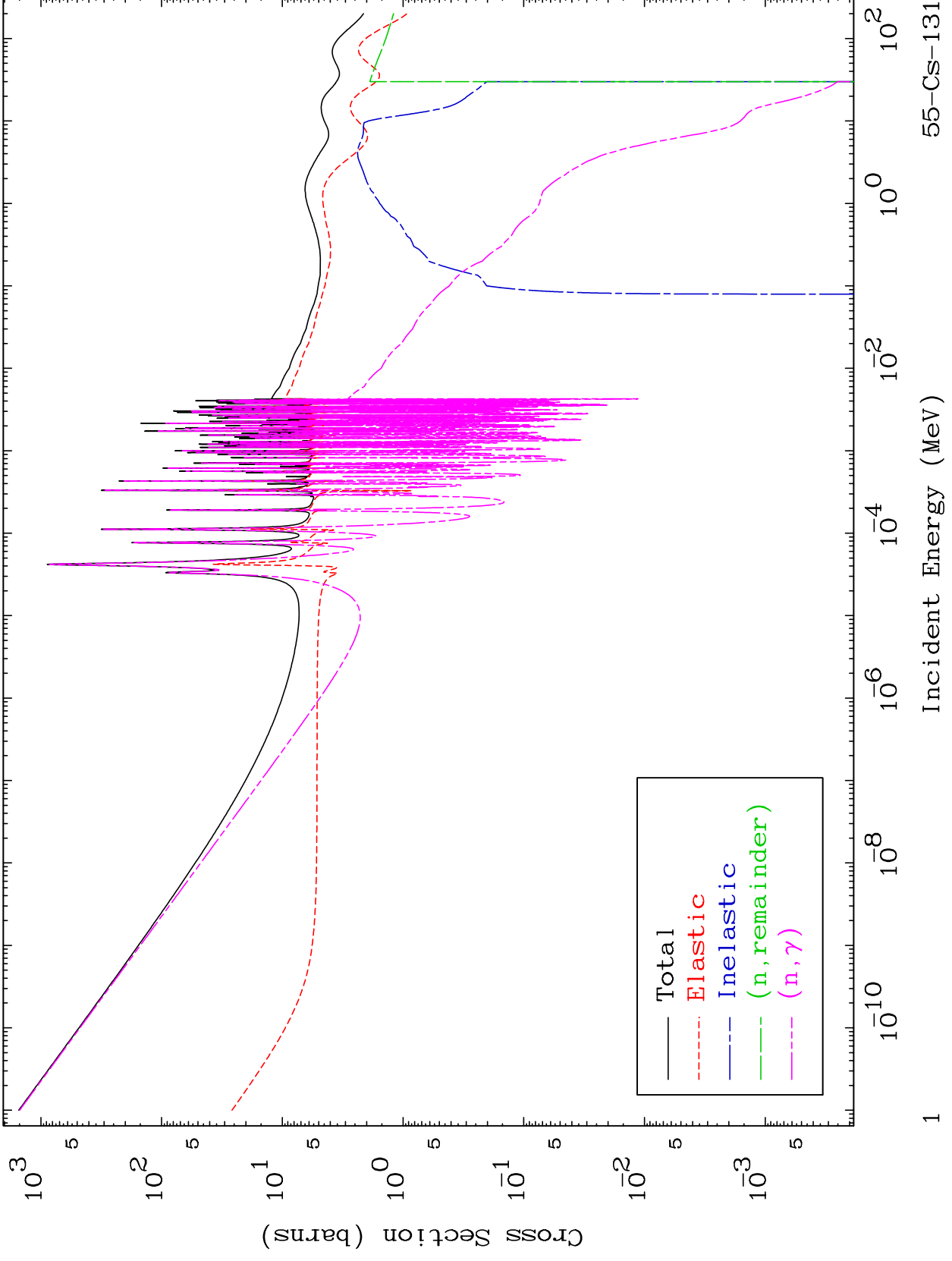
Press Mouse Button to Start

MAT 5519

Major

293 Kelvin Cross Sections

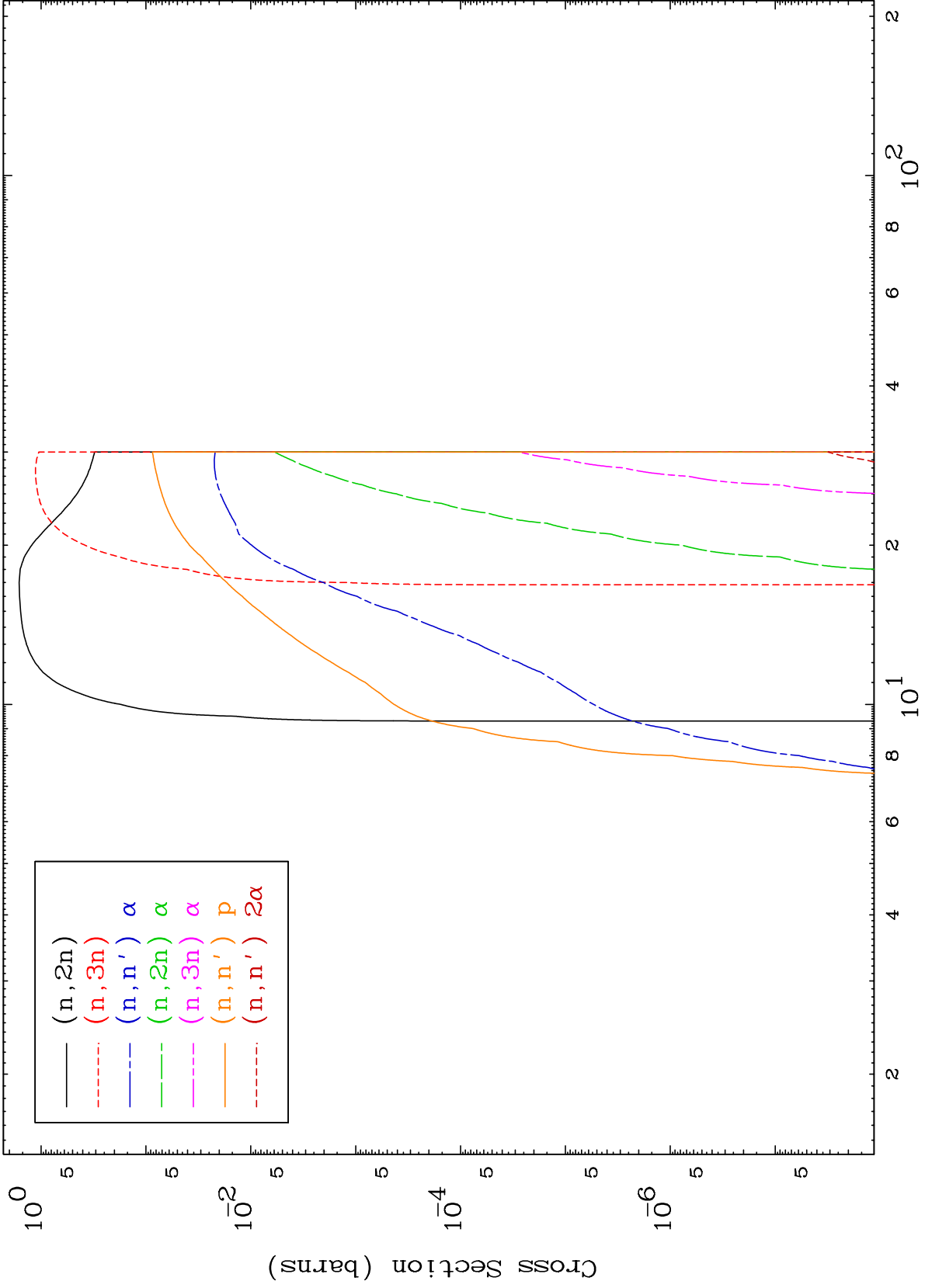
55-Cs-131



MAT 5519

Neutron Production  
293 Kelvin Cross Sections

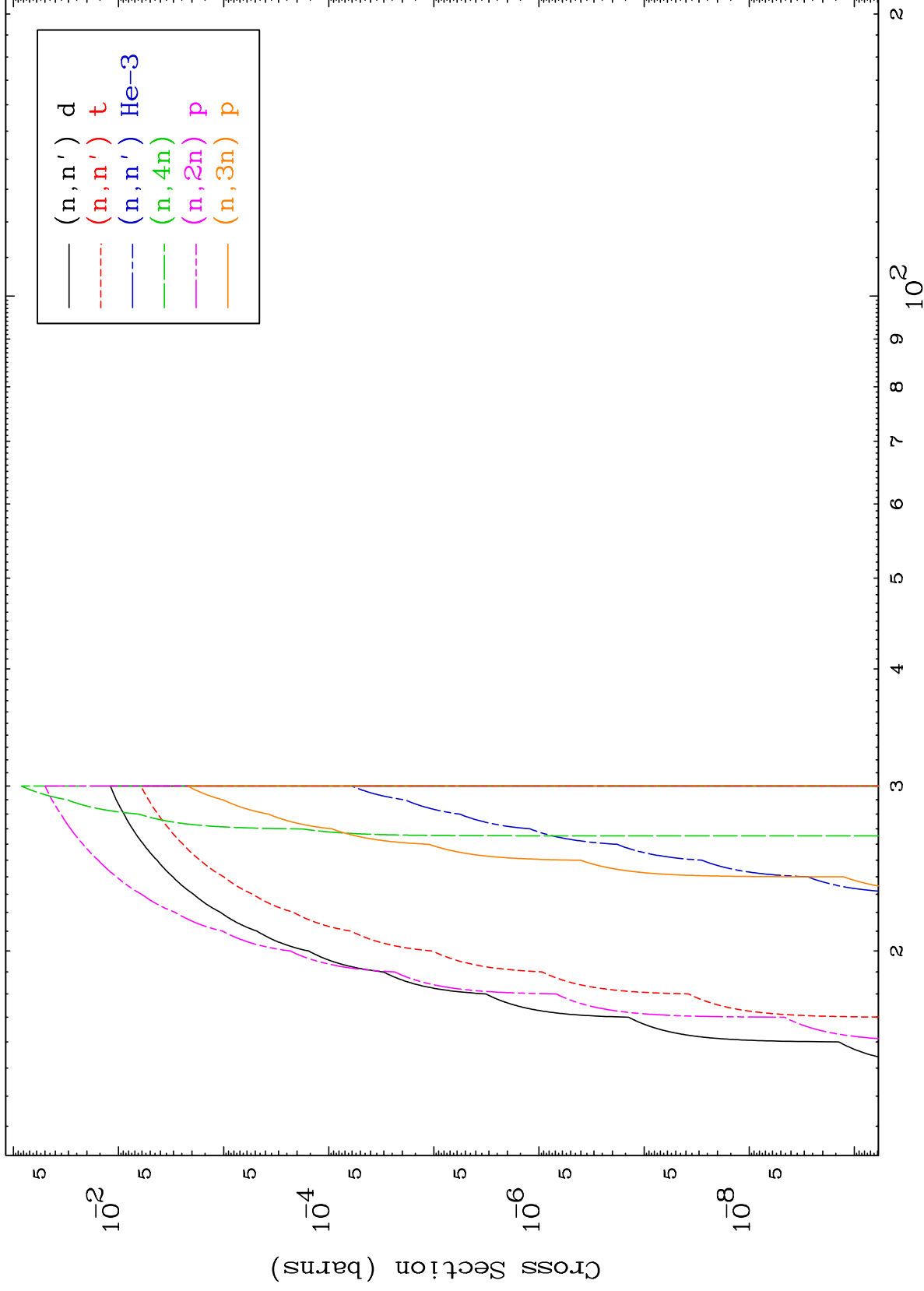
55-Cs-131



2

Incident Energy (MeV)

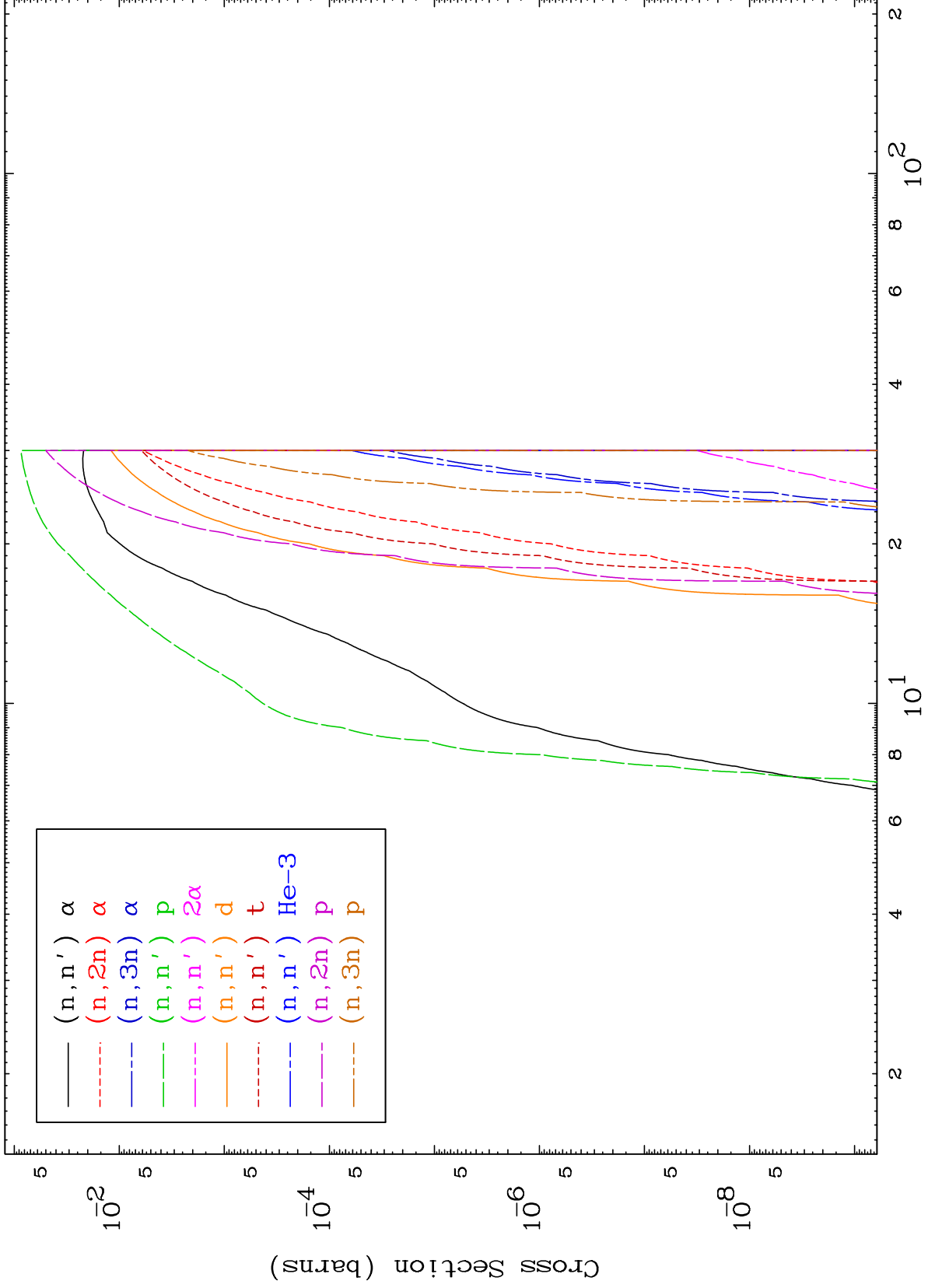
55-Cs-131



MAT 5519

Charged Particle  
293 Kelvin Cross Sections

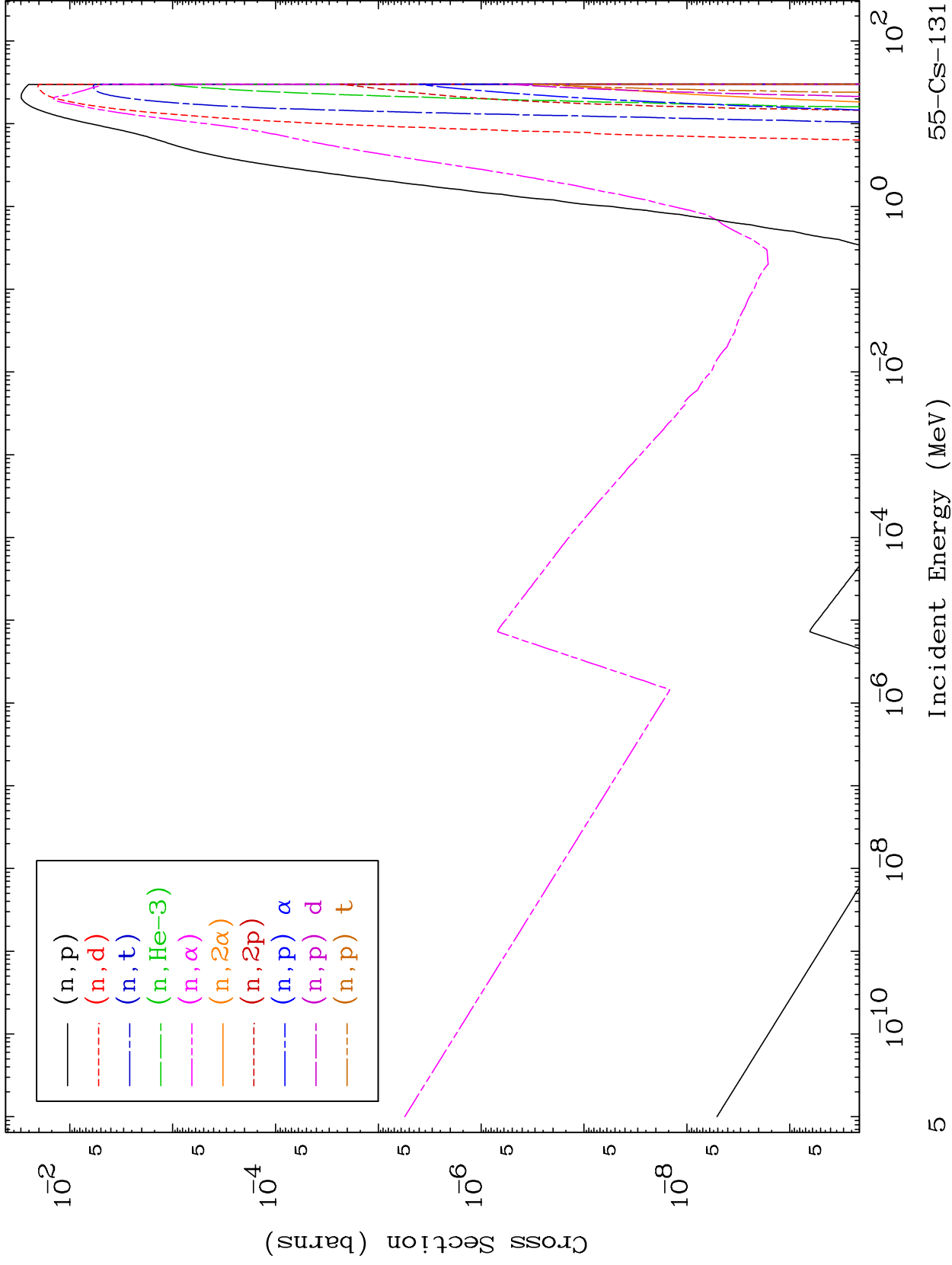
55-Cs-131



MAT 5519

Charged Particle  
293 Kelvin Cross Sections

55-Cs-131

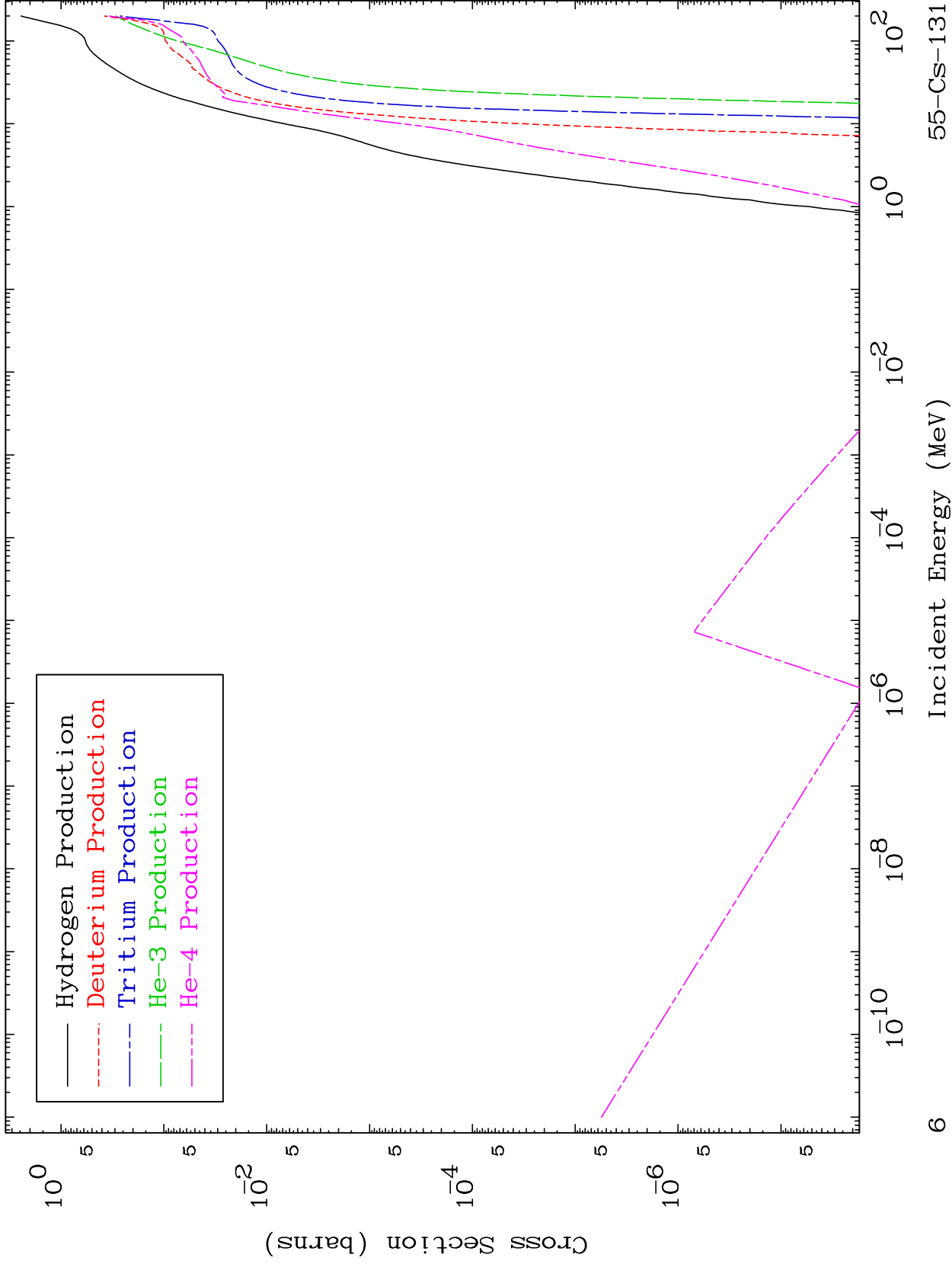


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MAT 5519

Particle Production  
293 Kelvin Cross Sections

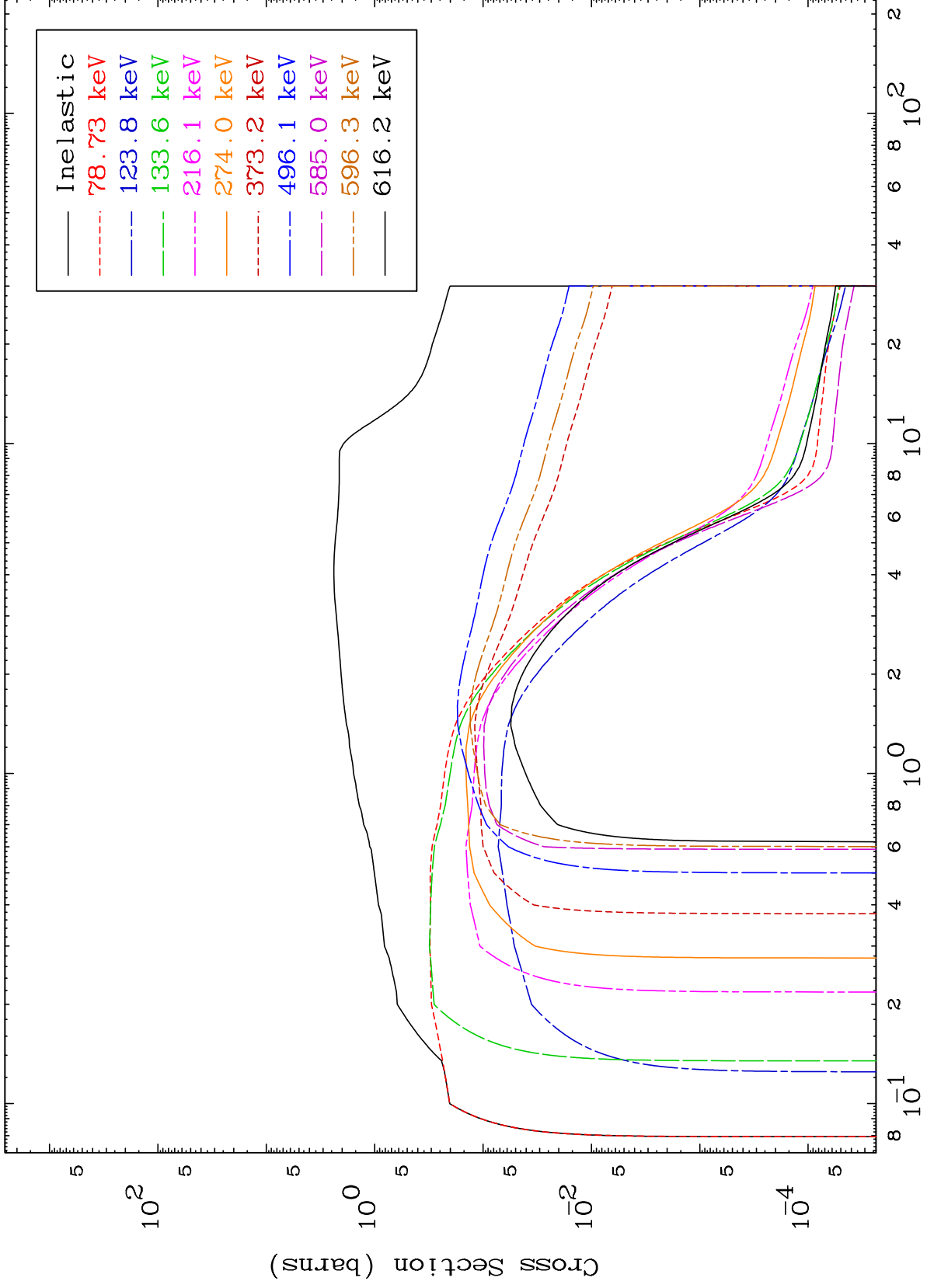
55-Cs-131



MAT 5519

(n,n') Level  
293 Kelvin Cross Sections

55-Cs-131



7

Incident Energy (MeV)

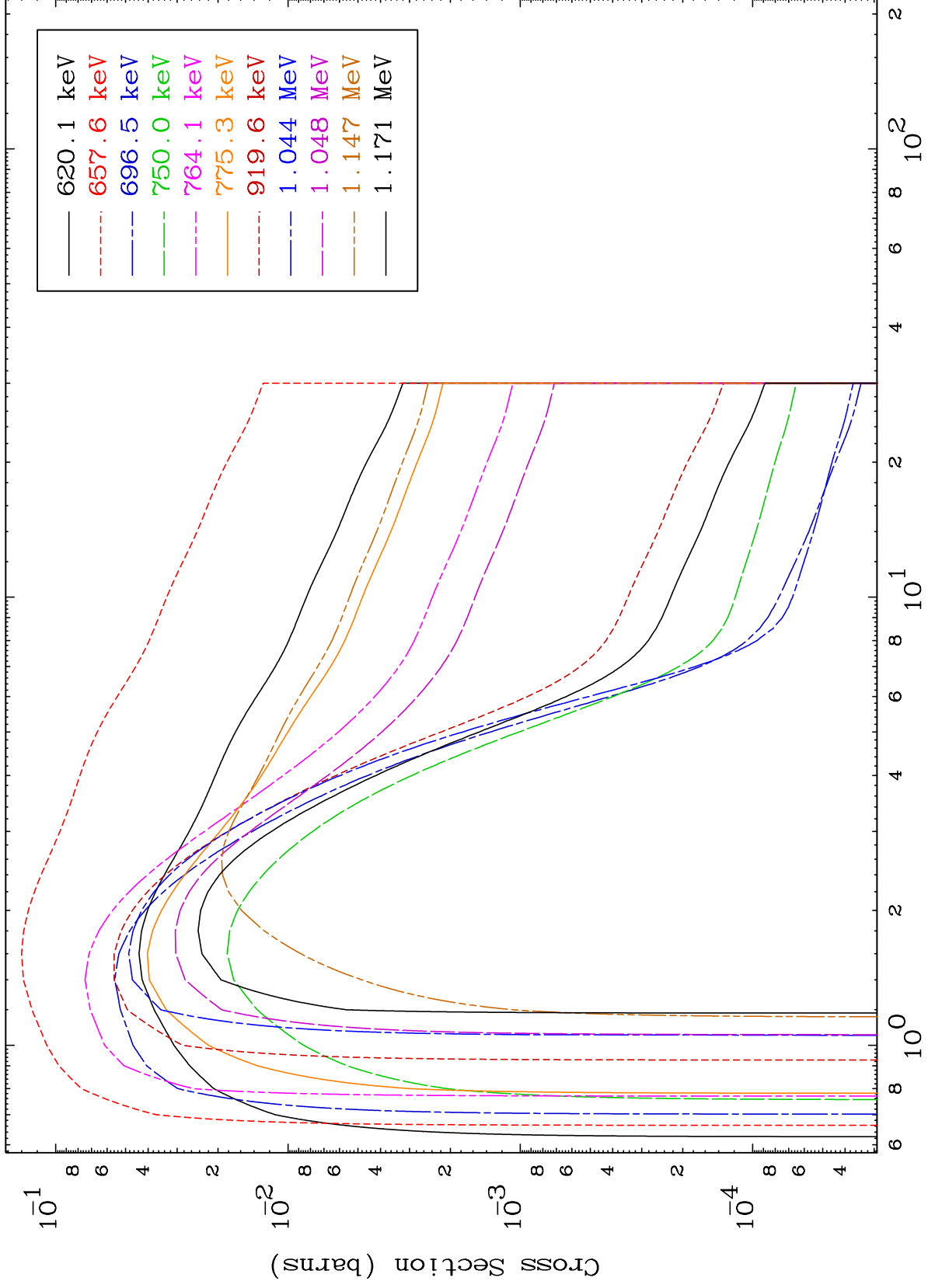
55-Cs-131



MAT 5519

(n,n') Level  
293 Kelvin Cross Sections

55-Cs-131



8

Incident Energy (MeV)

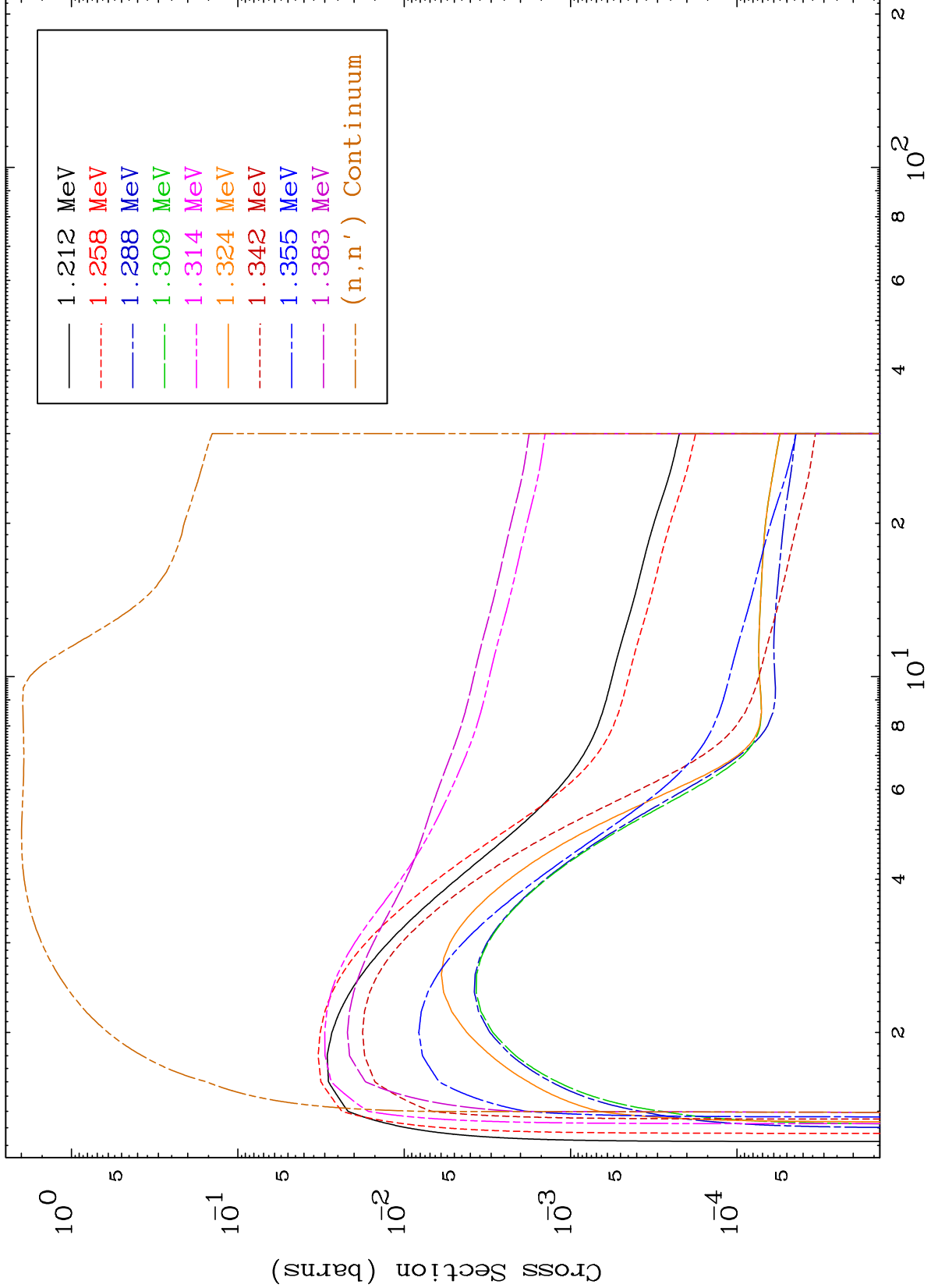
55-Cs-131

MAT 5519

(n,n') Level

55-Cs-131

293 Kelvin Cross Sections



9

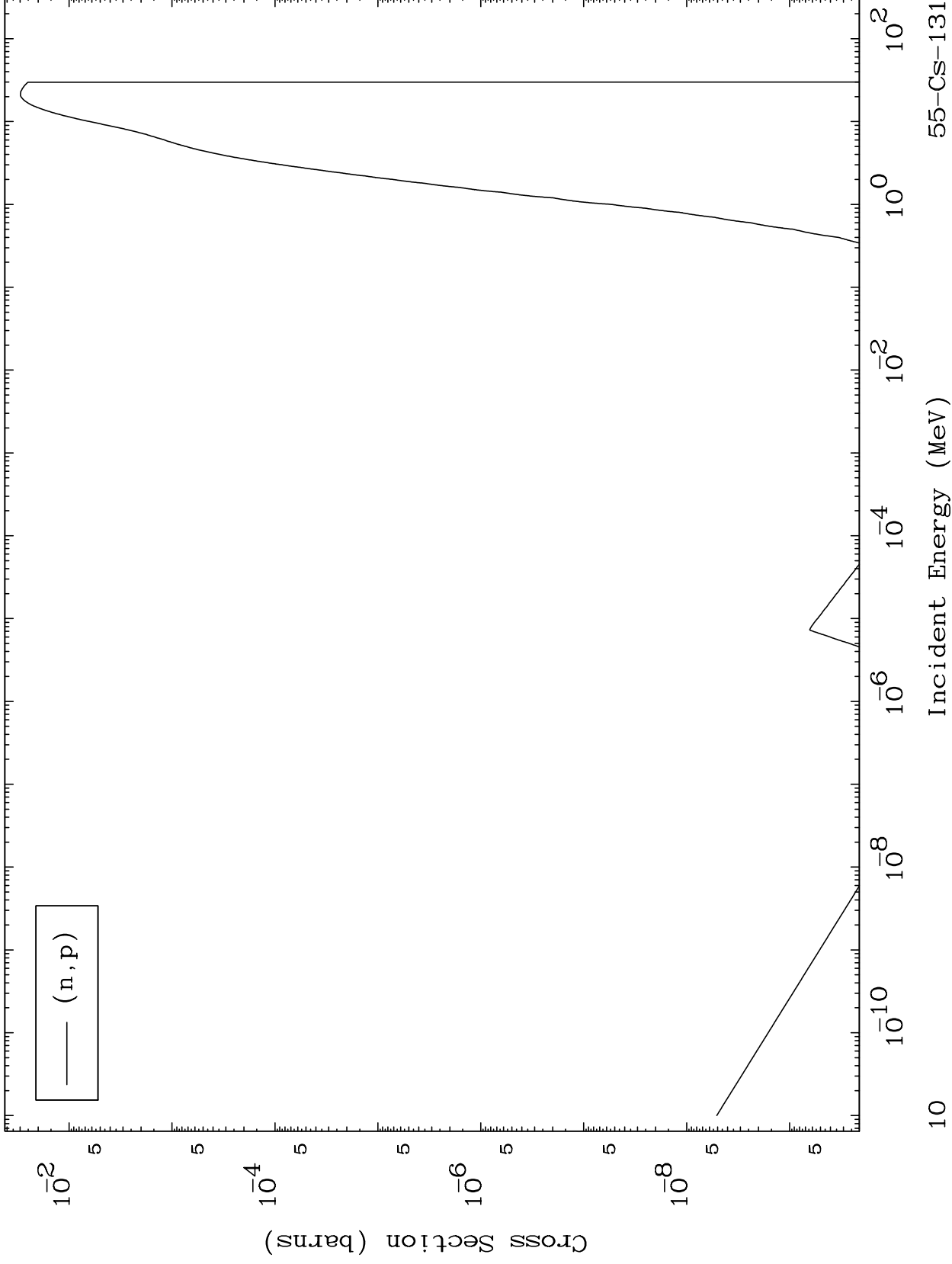
Incident Energy (MeV)

55-Cs-131

MAT 5519

(n,p) Levels  
293 Kelvin Cross Sections

55-Cs-131



10

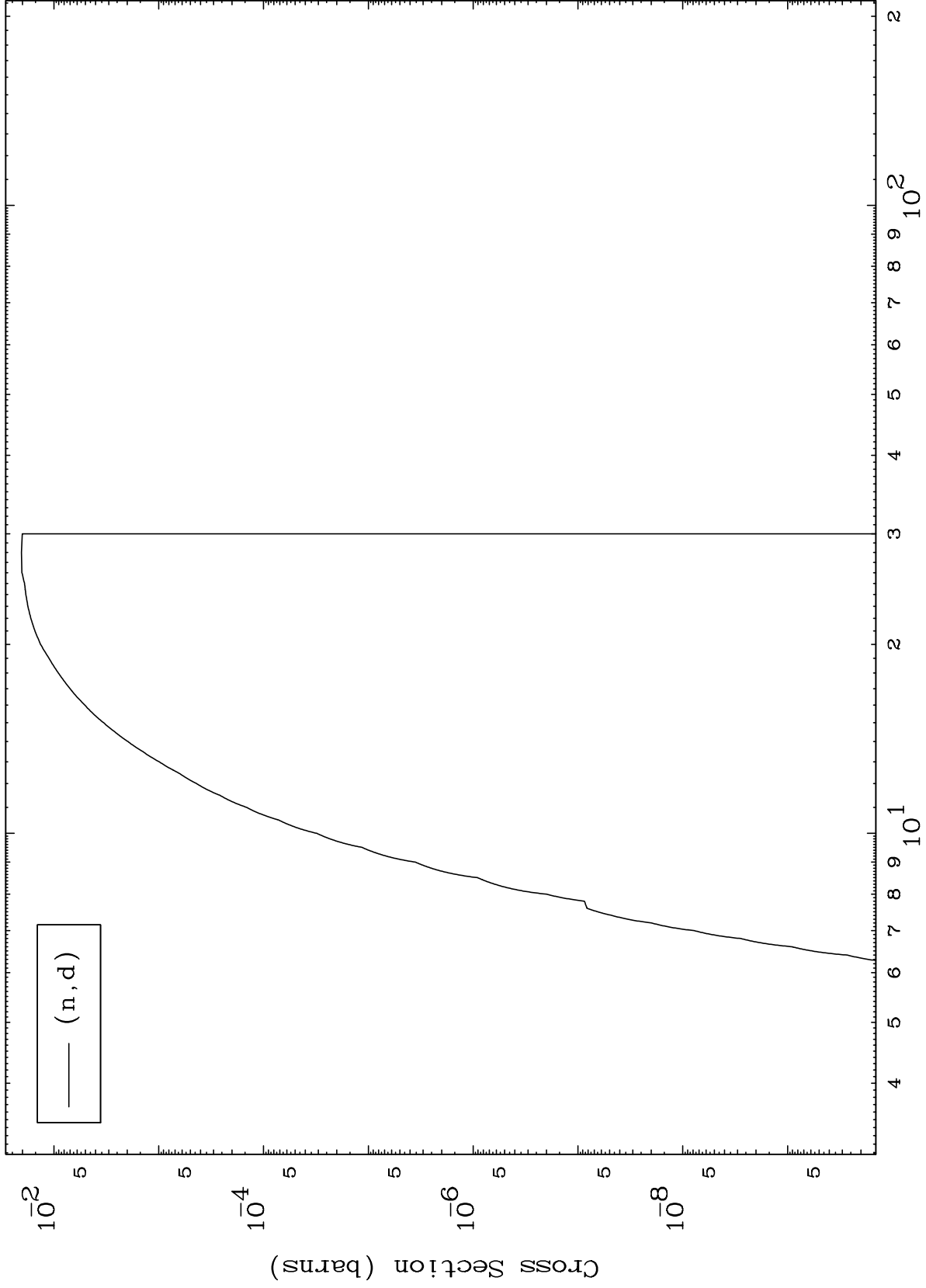
Incident Energy (MeV)

55-Cs-131

MAT 5519

(n,d) Levels  
293 Kelvin Cross Sections

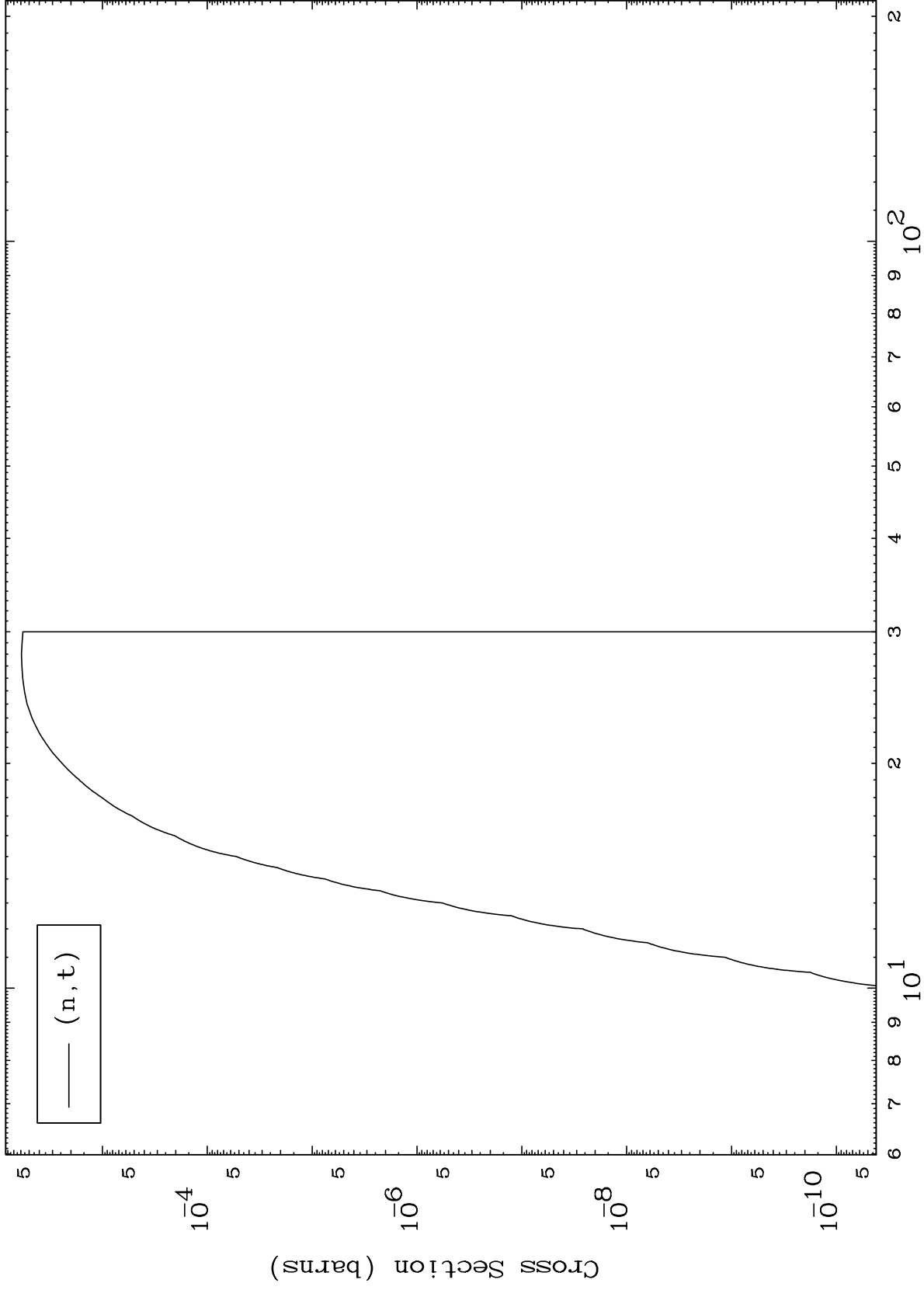
55-Cs-131



MAT 5519

(n,t) Levels  
293 Kelvin Cross Sections

55-Cs-131



12

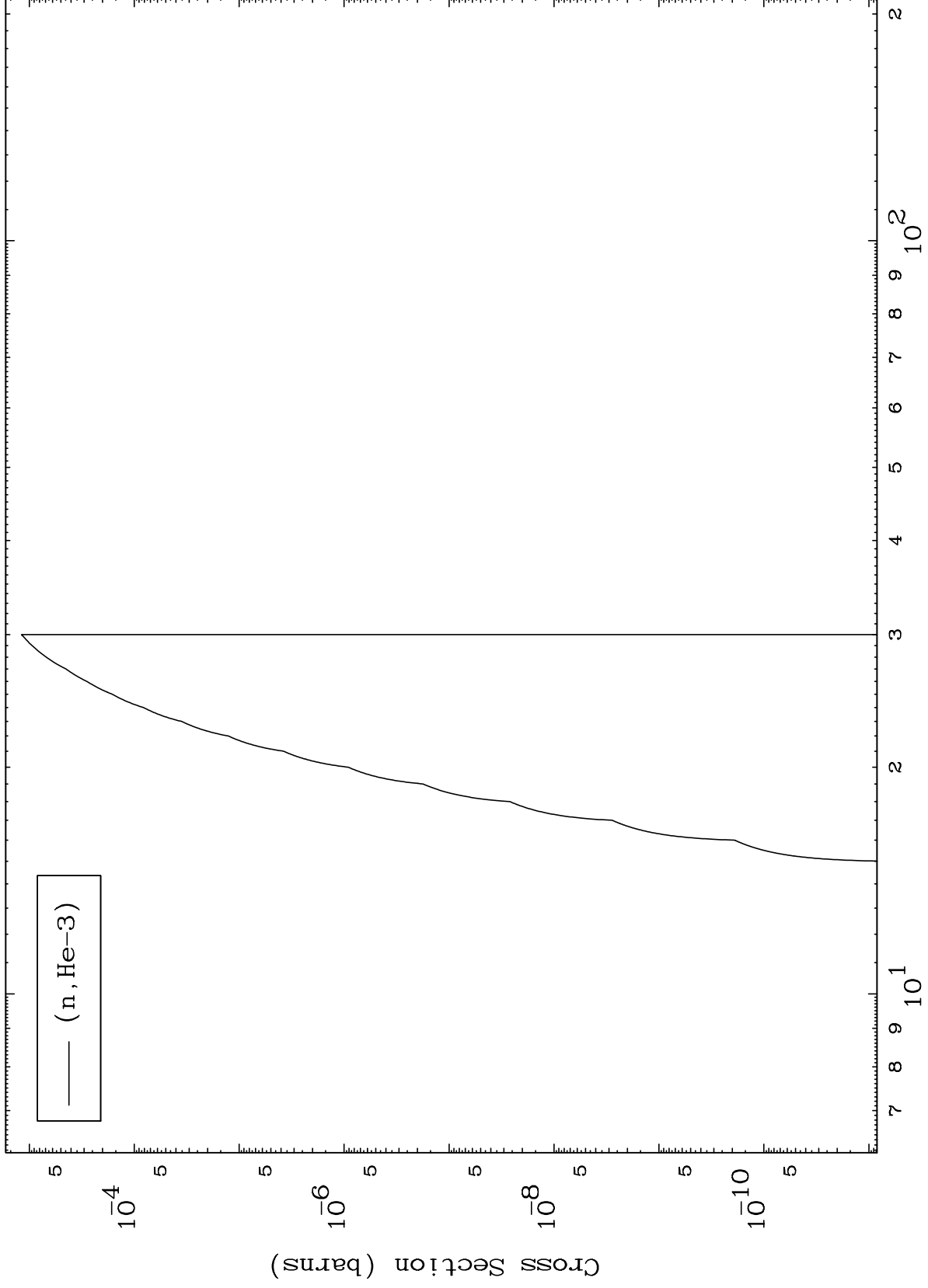
Incident Energy (MeV)

55-Cs-131

MAT 5519

(n,He3) Levels  
293 Kelvin Cross Sections

55-Cs-131



13

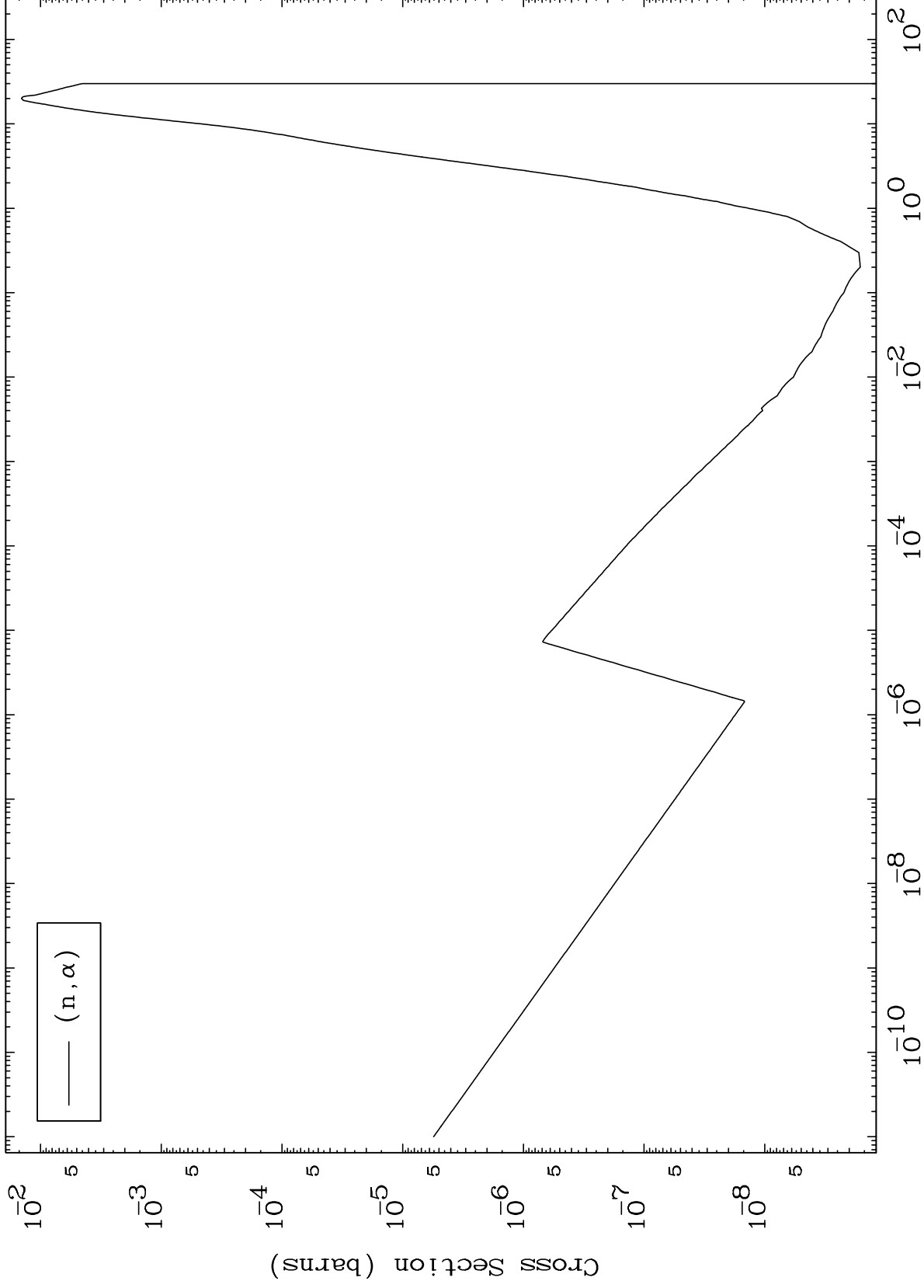
Incident Energy (MeV)

55-Cs-131

MAT 5519

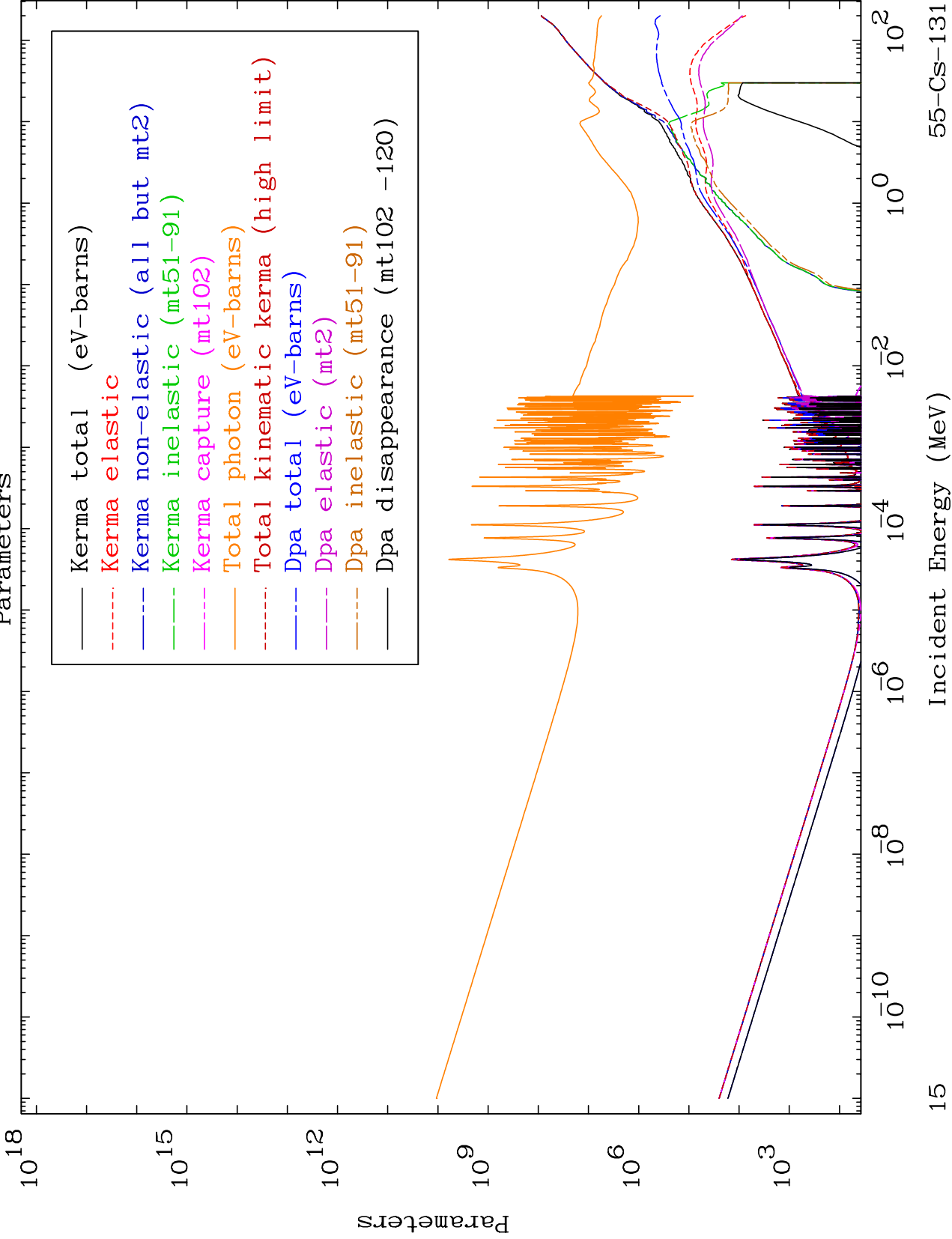
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

55-Cs-131

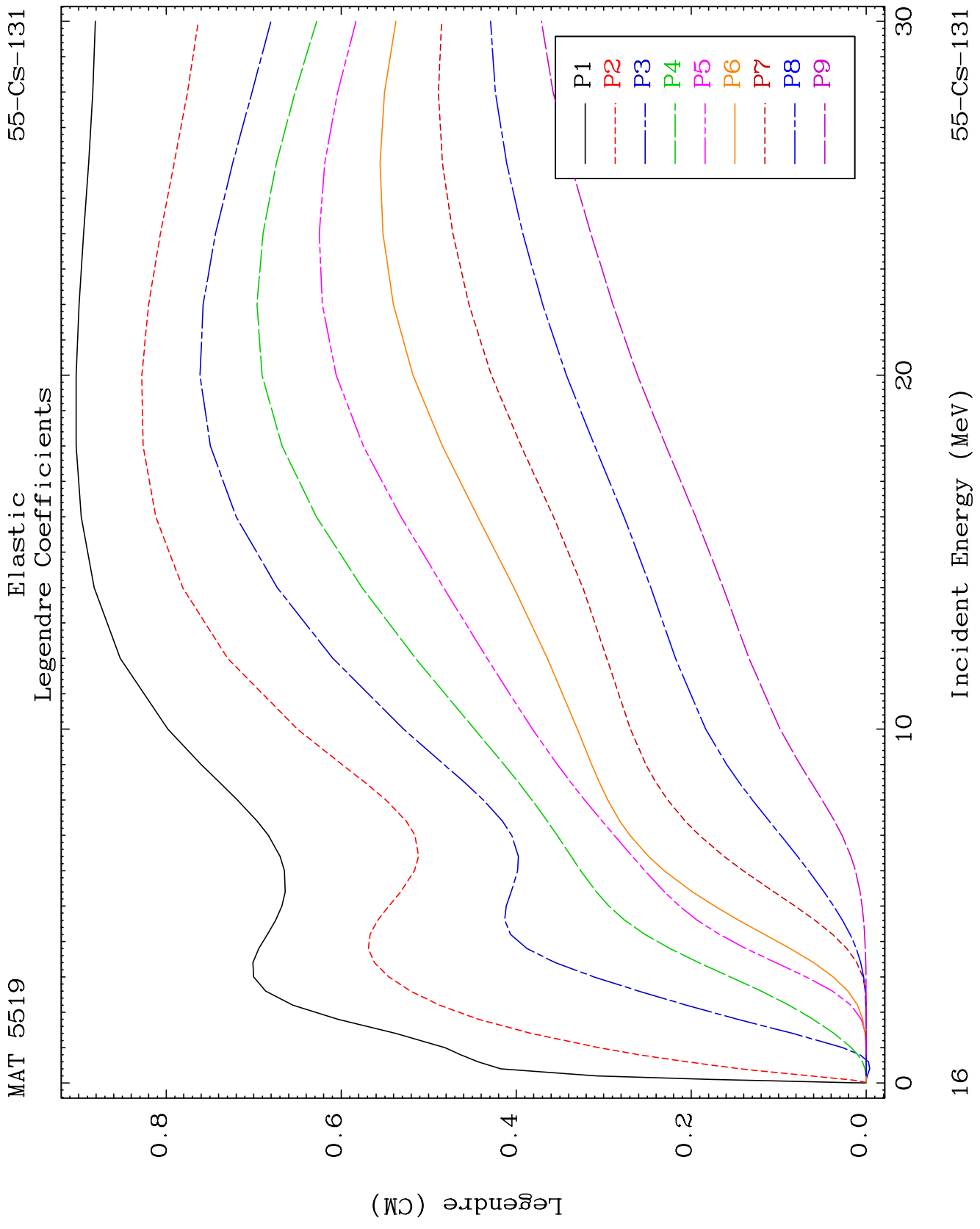


14

55-Cs-131



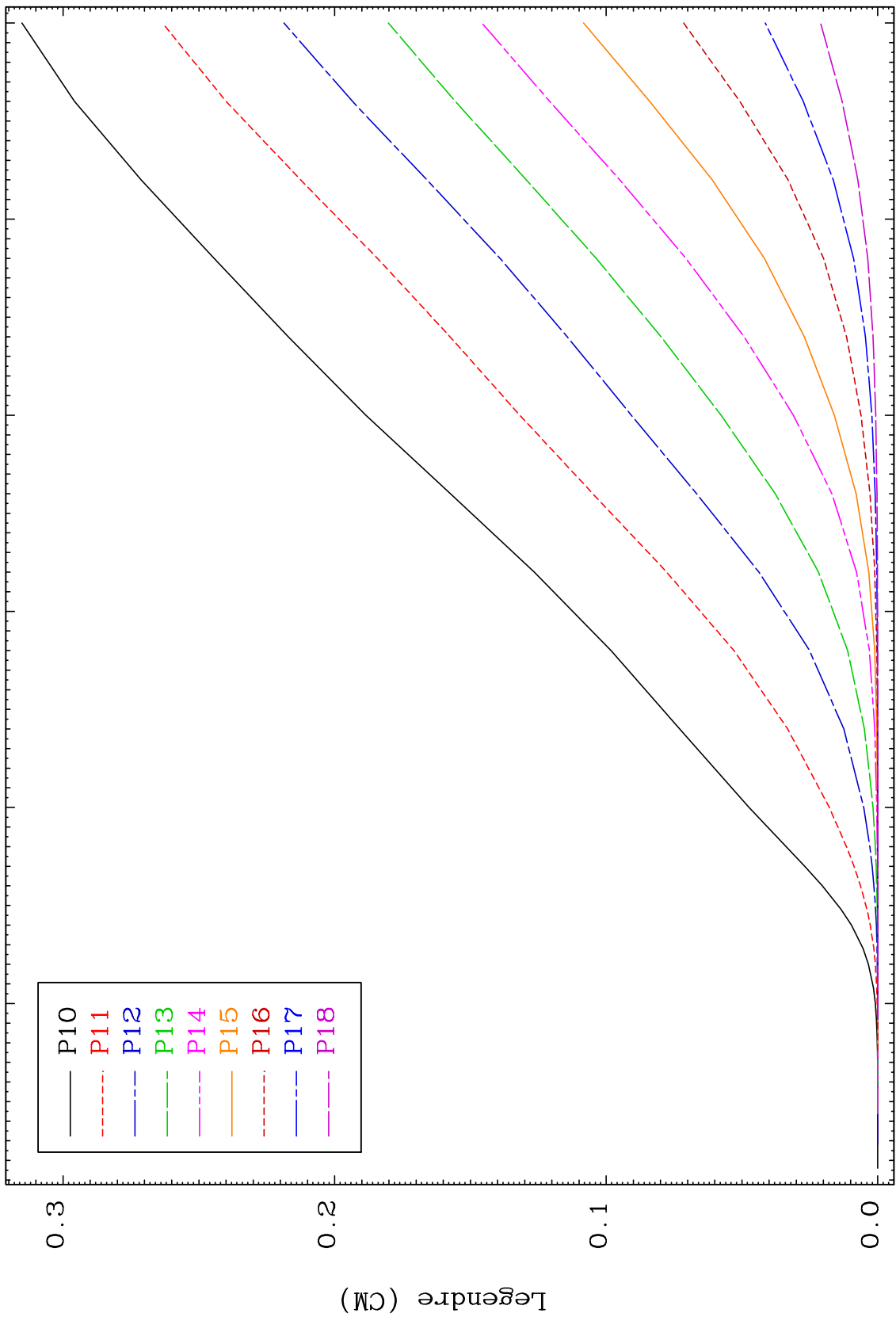




MAT 5519

Elastic Legendre Coefficients

55-Cs-131



17

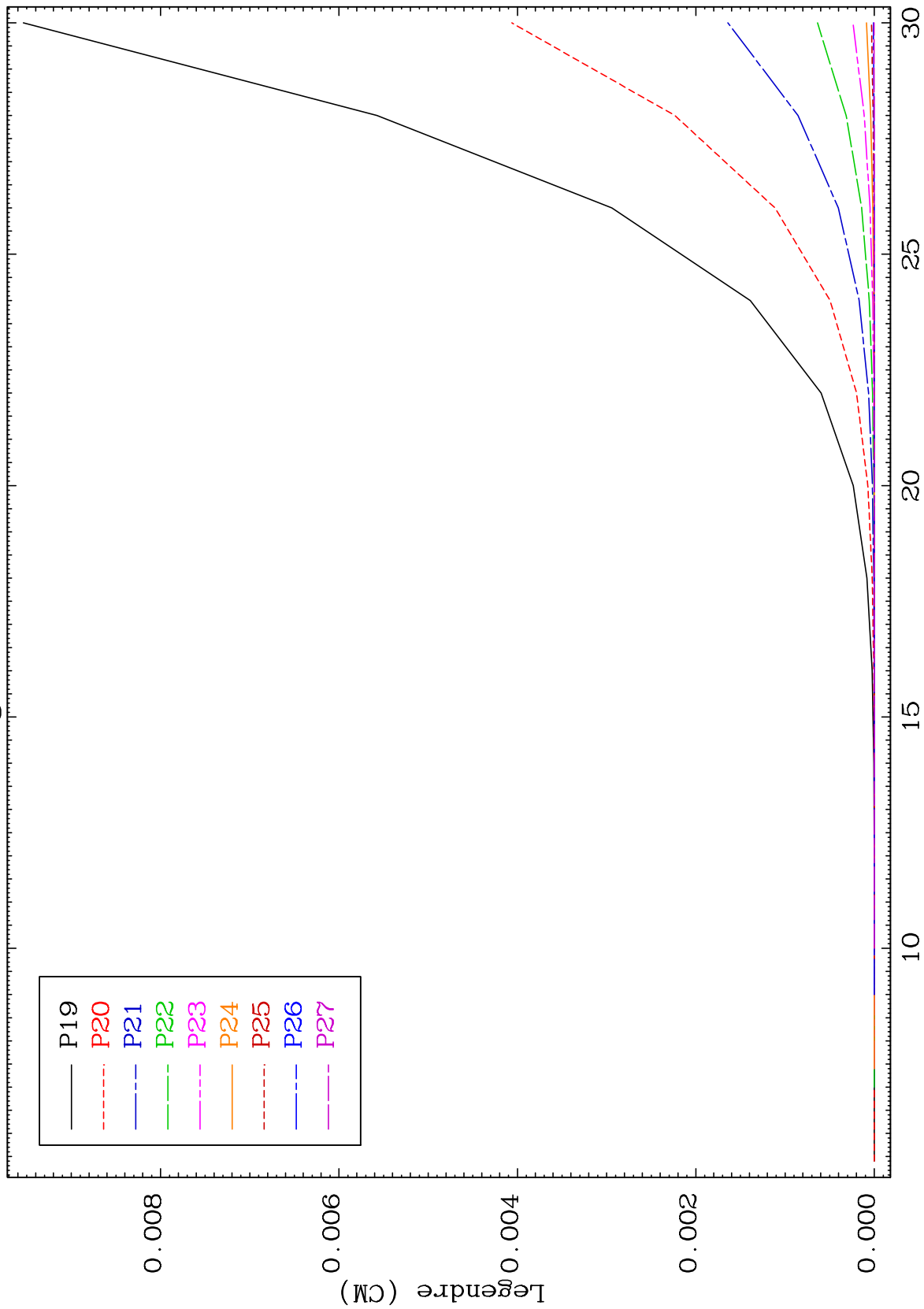
55-Cs-131

Incident Energy (MeV)

MAT 5519

Elastic Legendre Coefficients

55-Cs-131



18

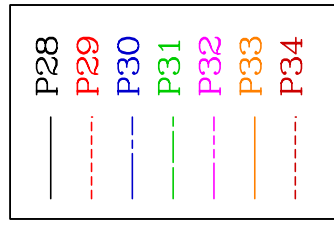
Incident Energy (MeV)

55-Cs-131

MAT 5519

Elastic Legendre Coefficients

55-Cs-131

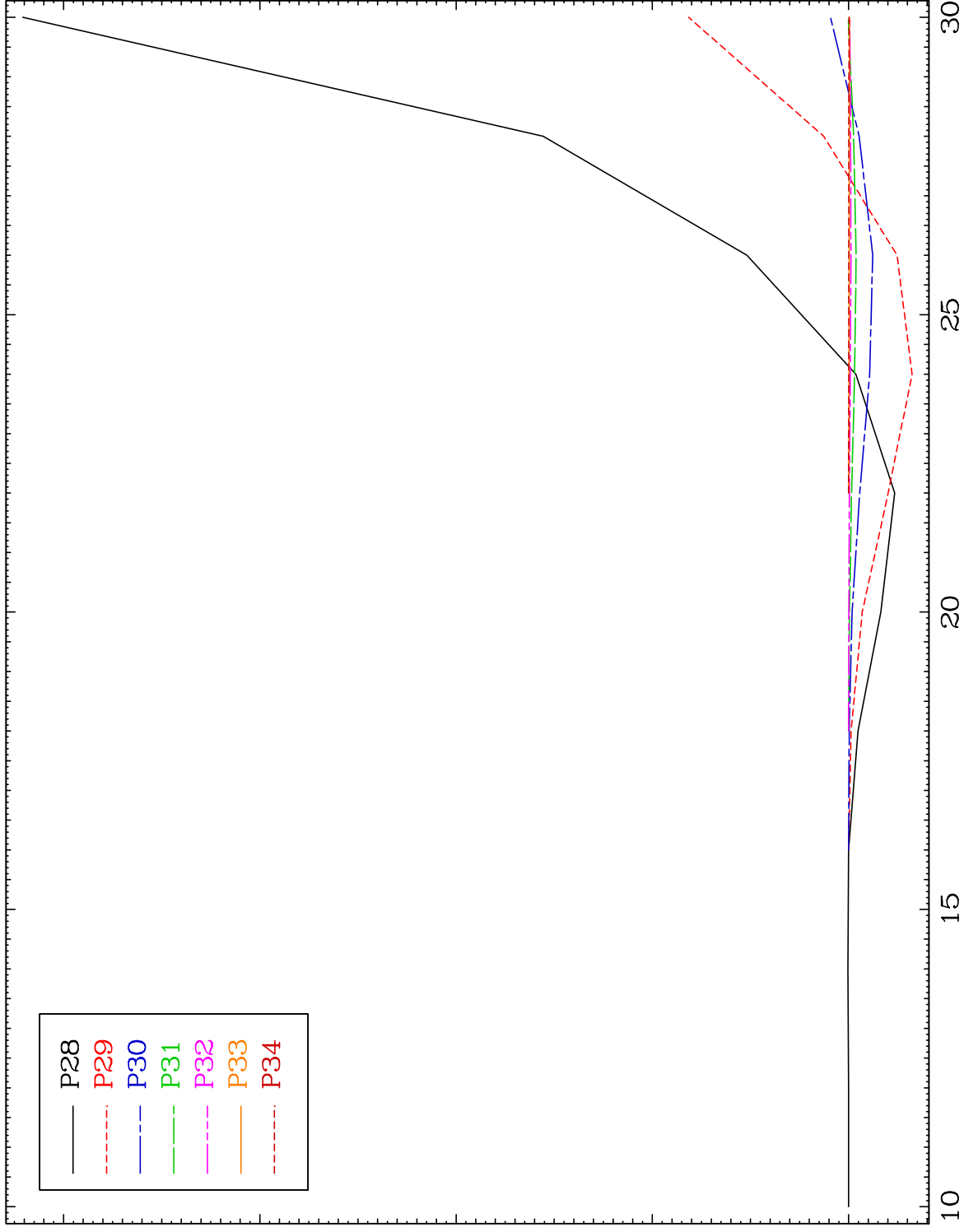


$\times 10^{-78}$

Legendre (CM)

Incident Energy (MeV)

55-Cs-131

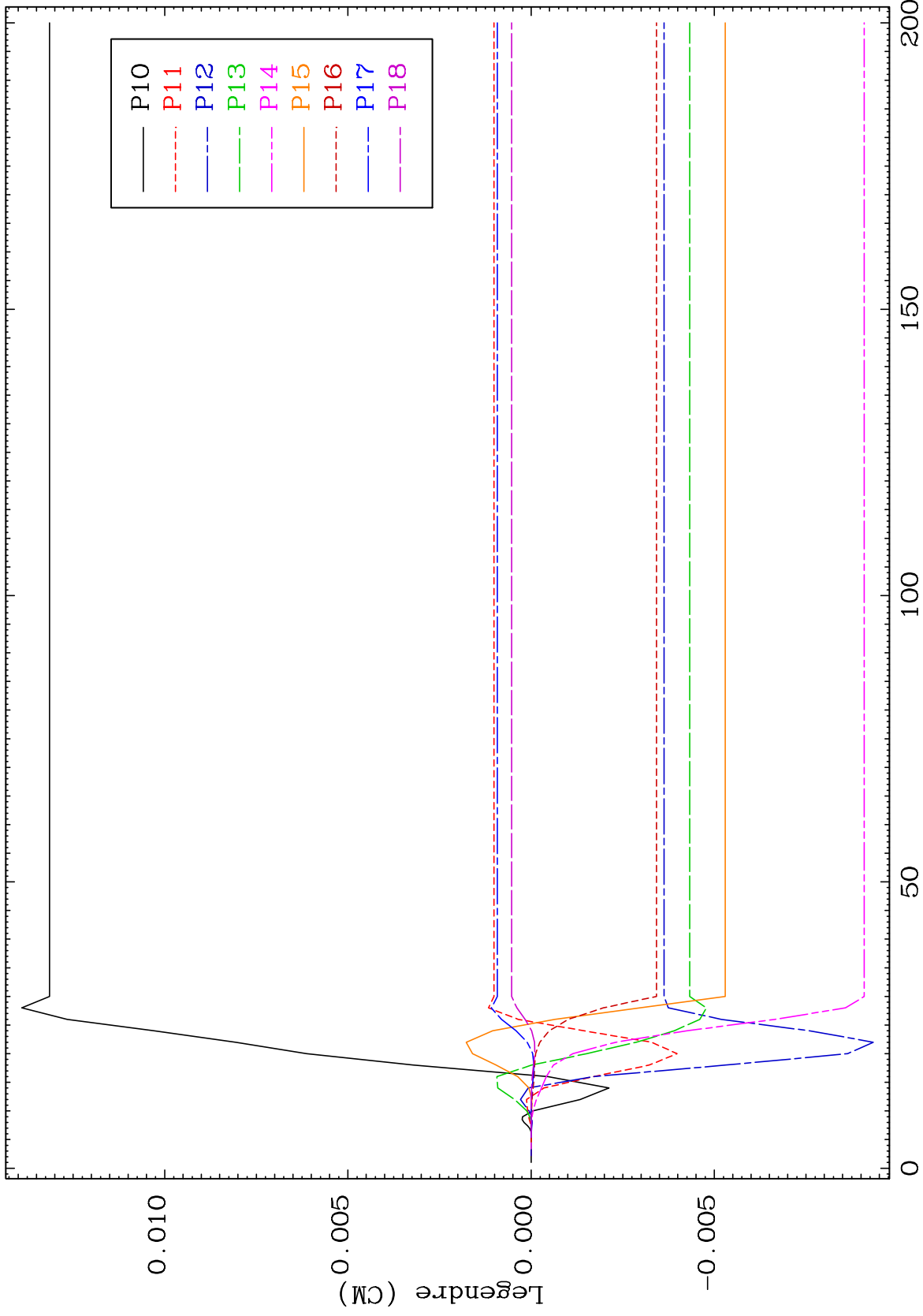




MAT 5519

78.73 keV (n,n') Level  
Legendre Coefficients

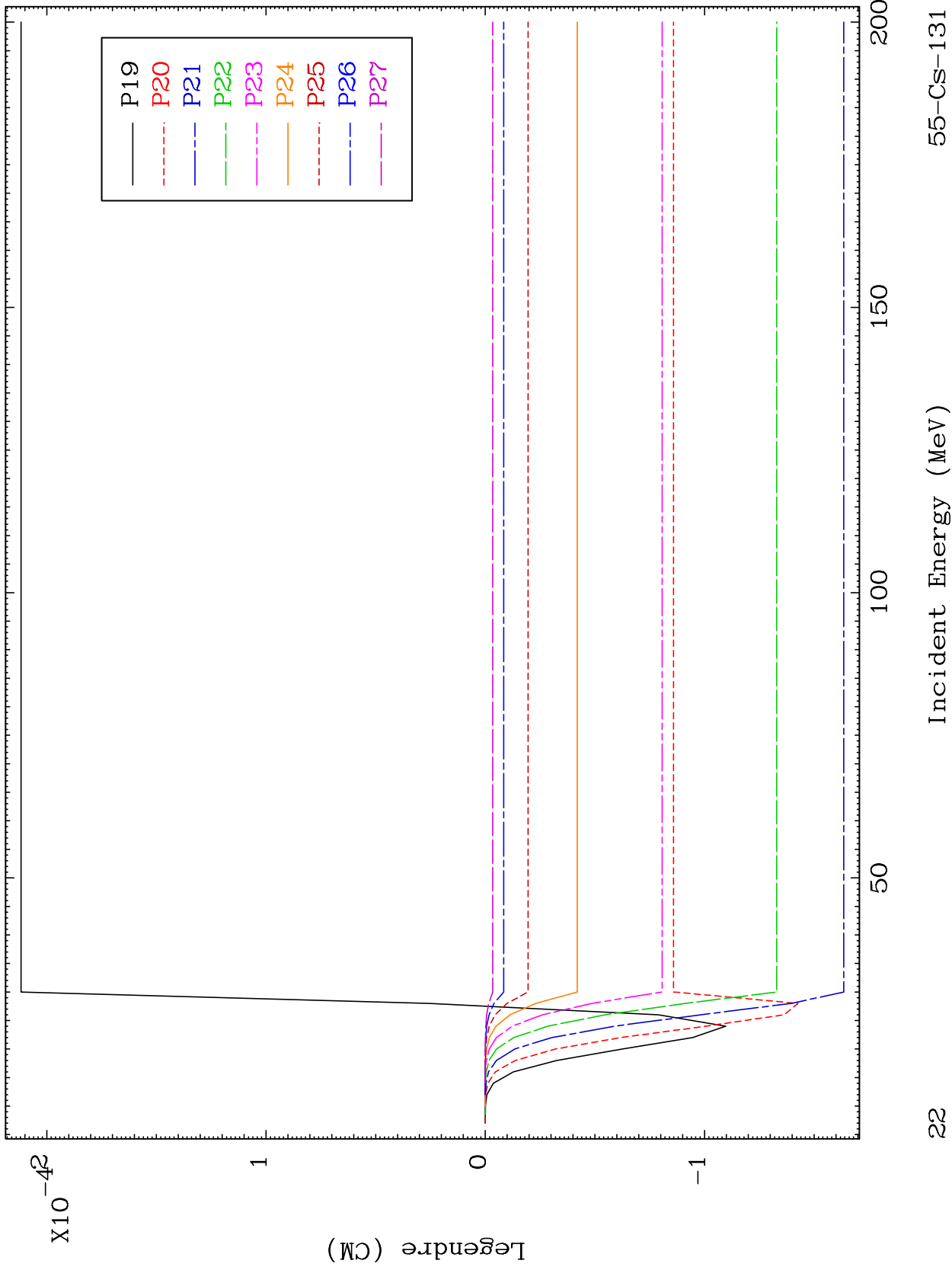
55-Cs-131



MAT 5519

78.73 keV (n,n') Level  
Legendre Coefficients

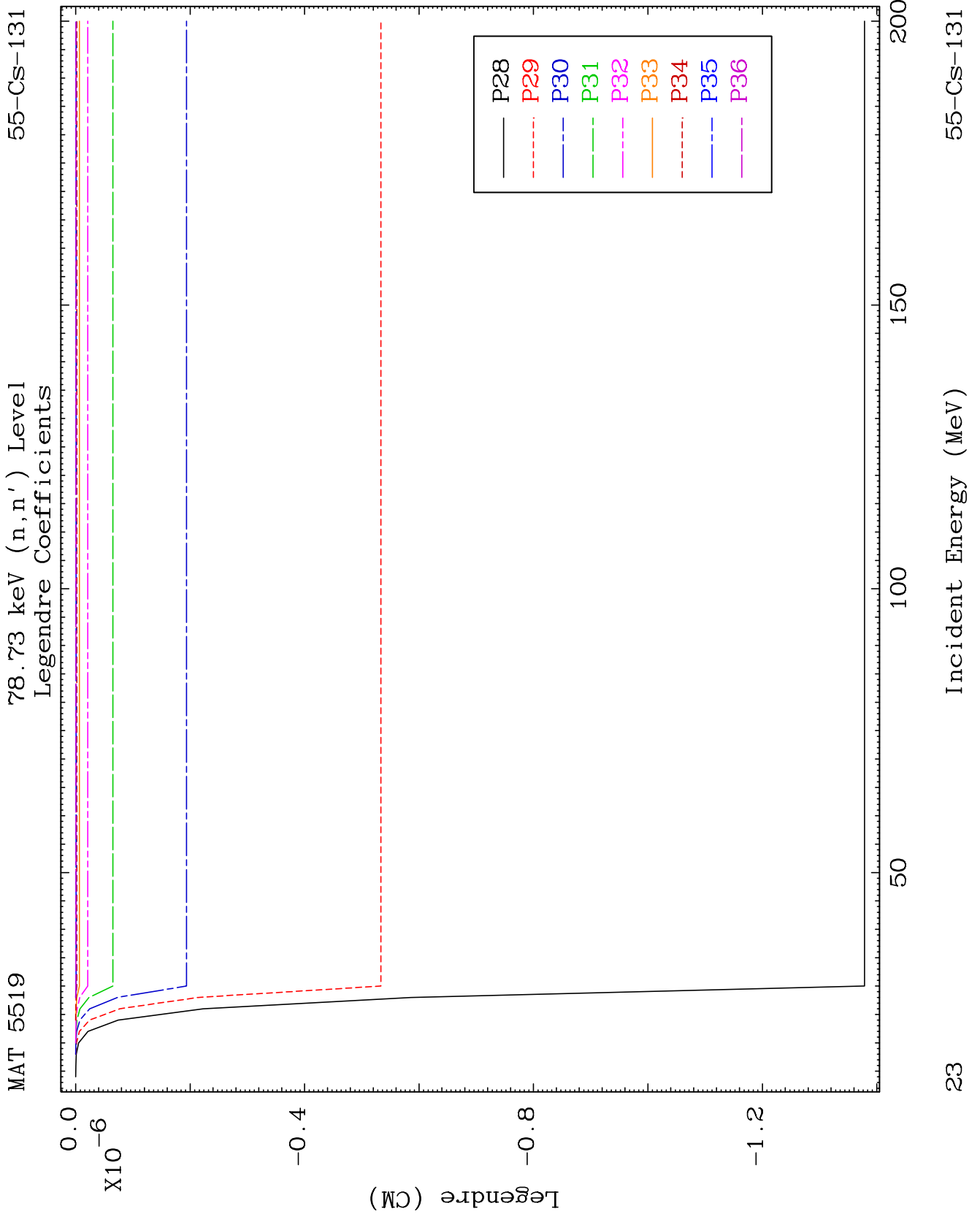
55-Cs-131



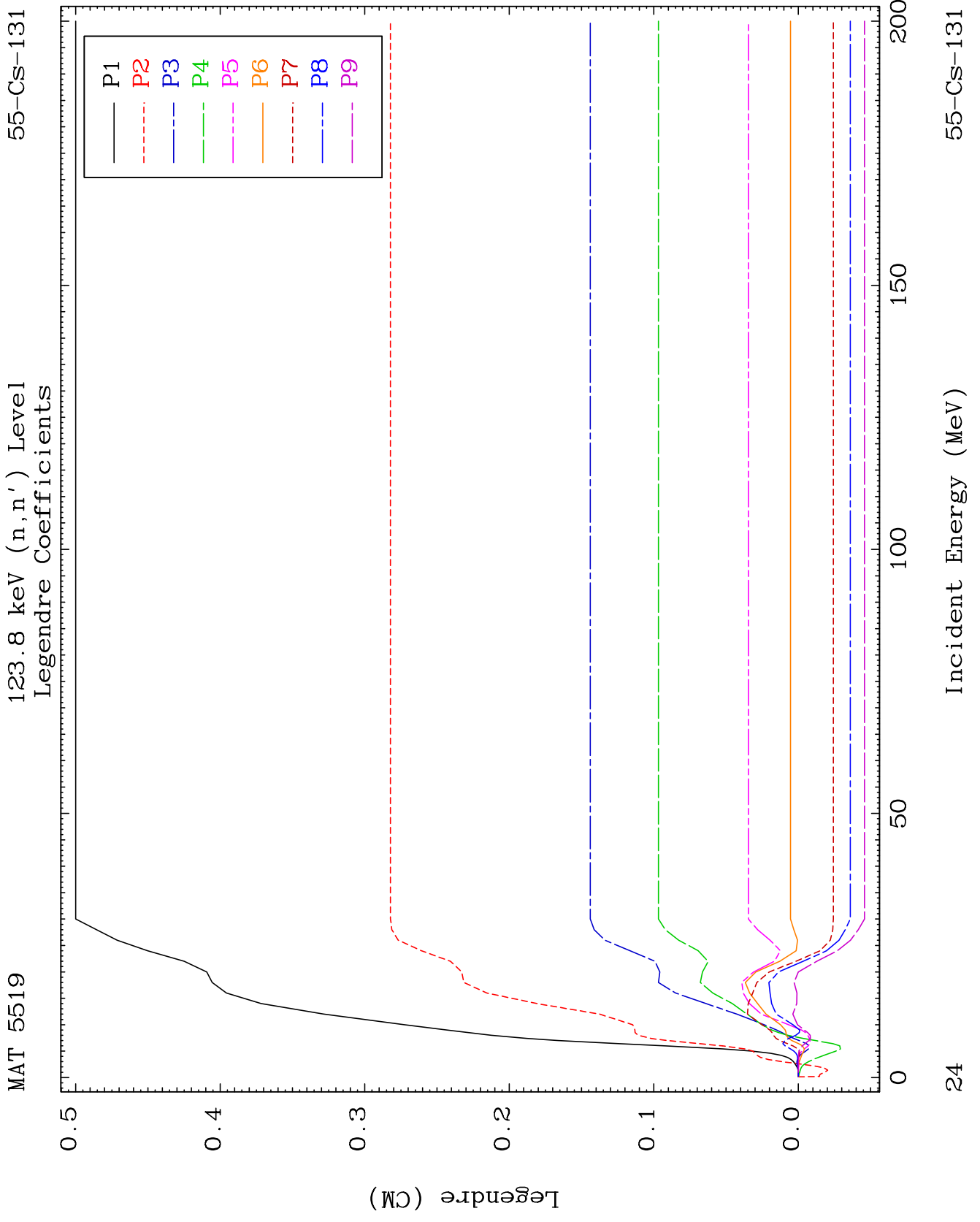
22

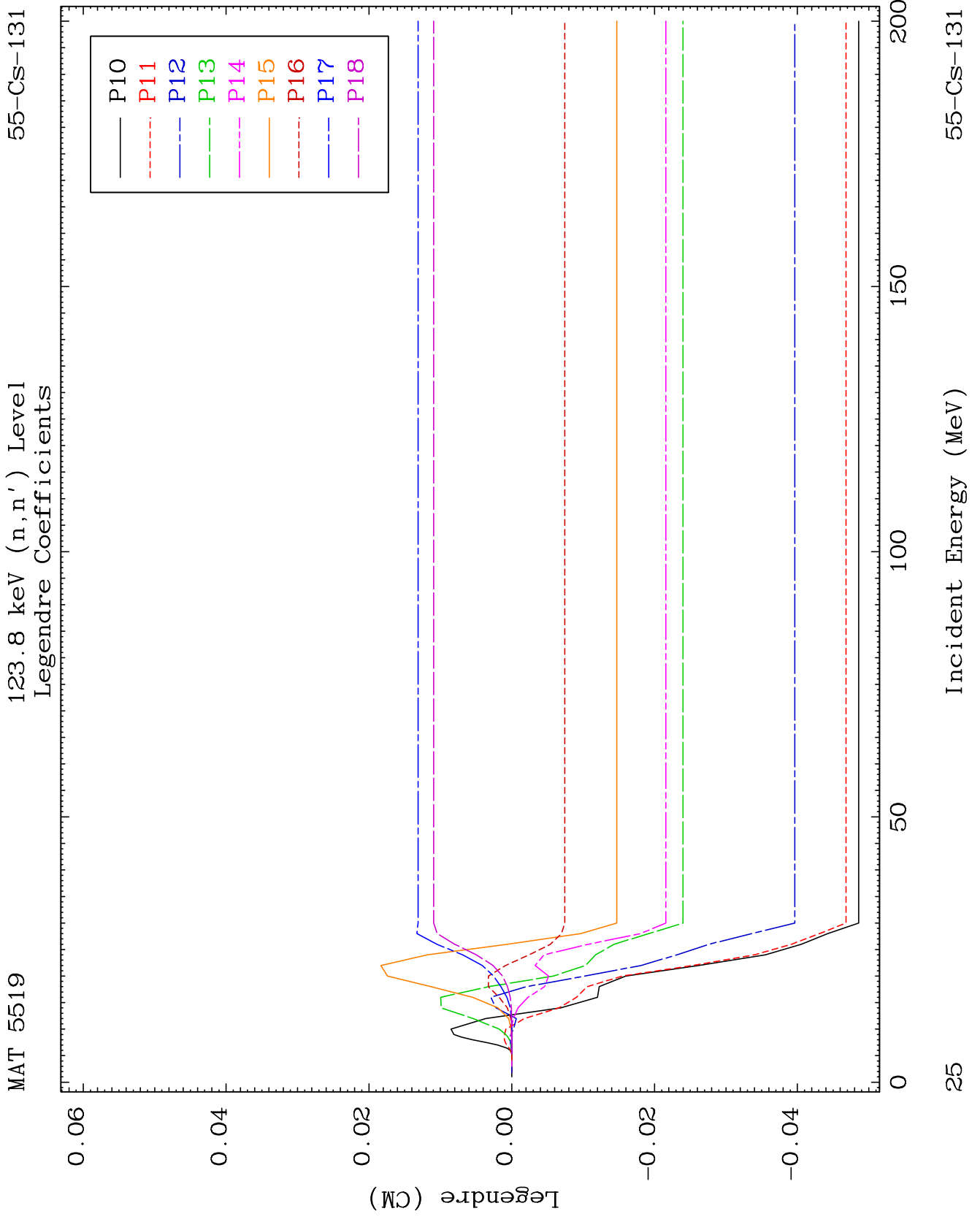
Incident Energy (MeV)

55-Cs-131





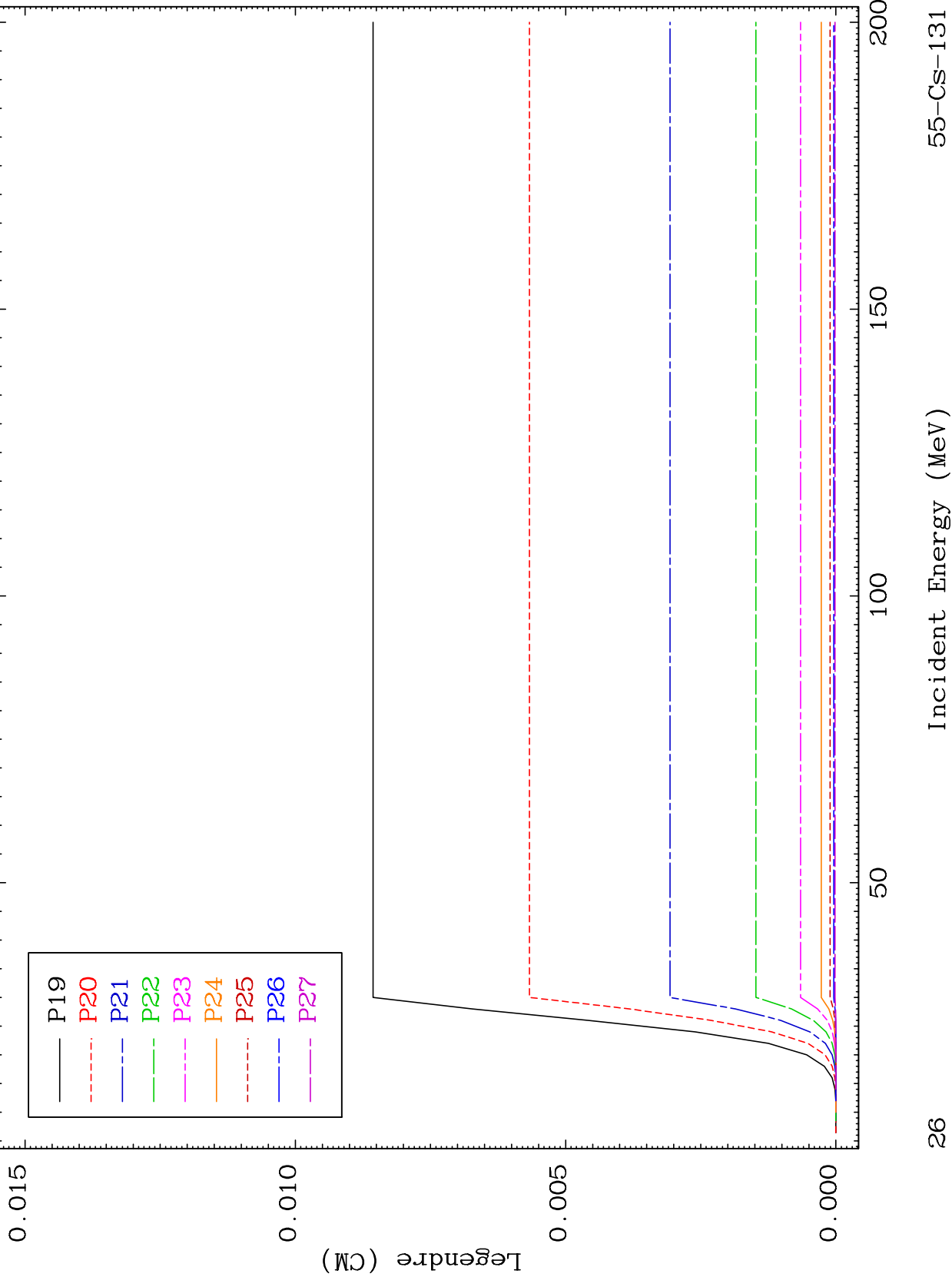




MAT 5519

123.8 keV (n,n') Level  
Legendre Coefficients

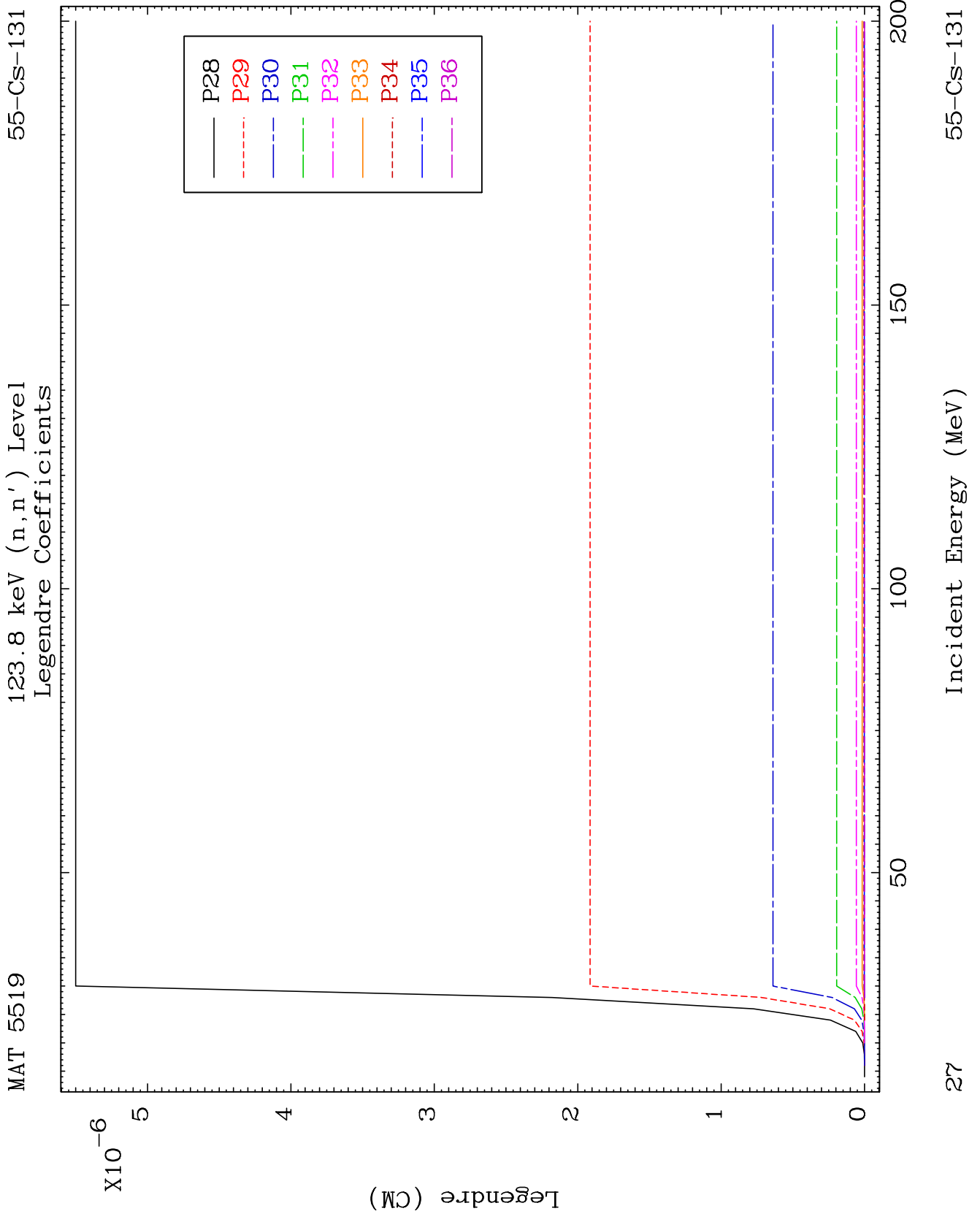
55-Cs-131



26

Incident Energy (MeV)

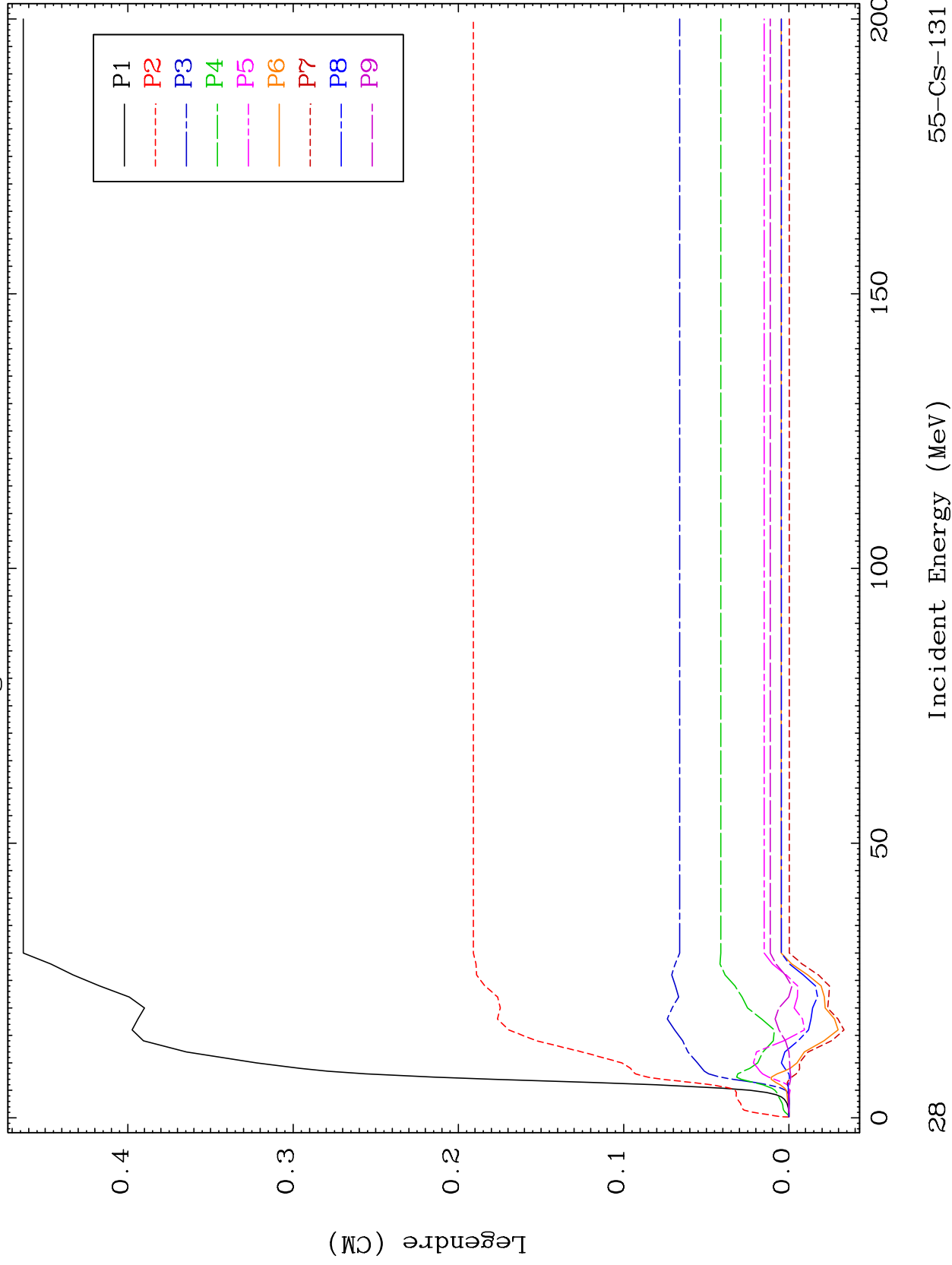
55-Cs-131



MAT 5519

133.6 keV (n,n') Level  
Legendre Coefficients

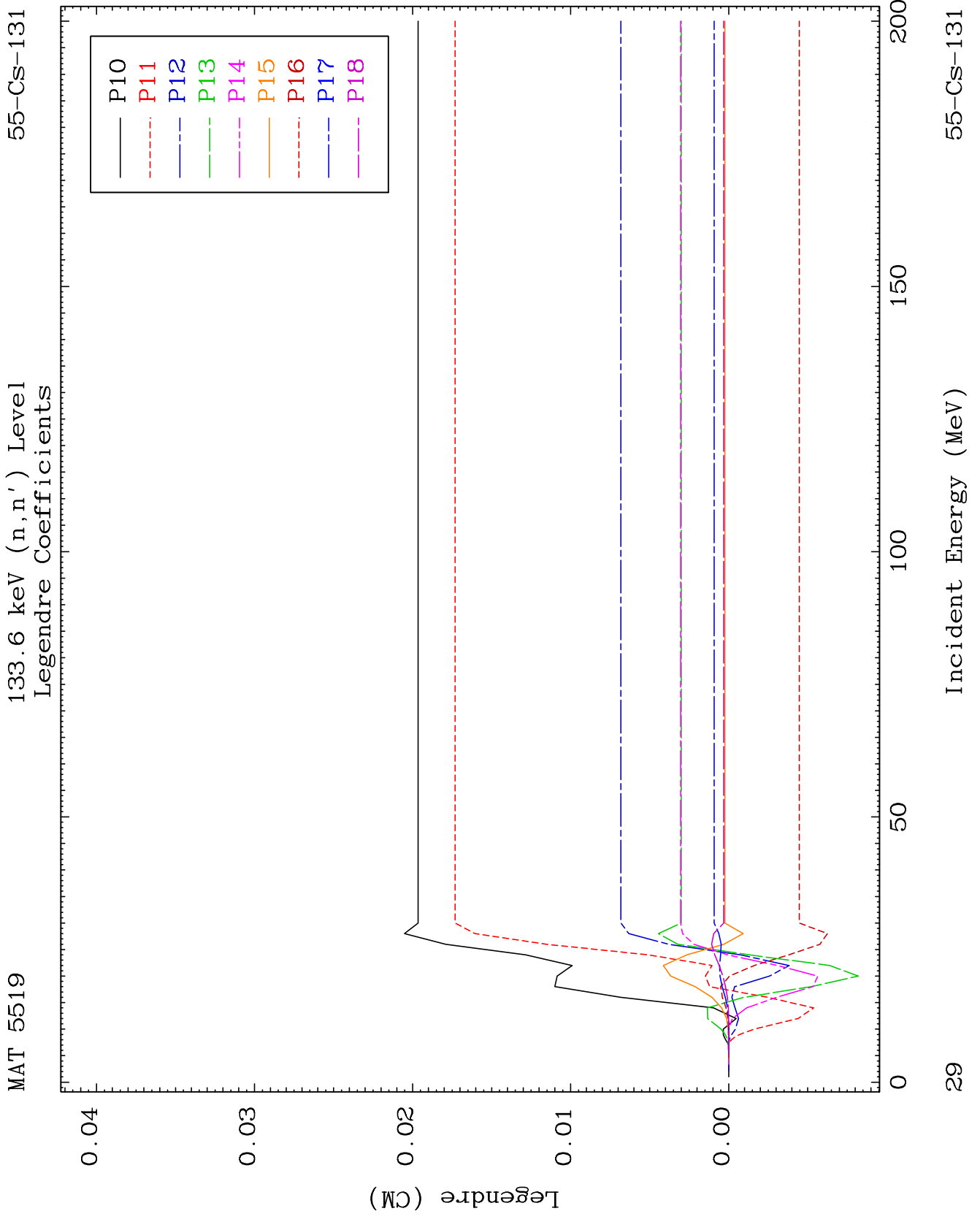
55-Cs-131

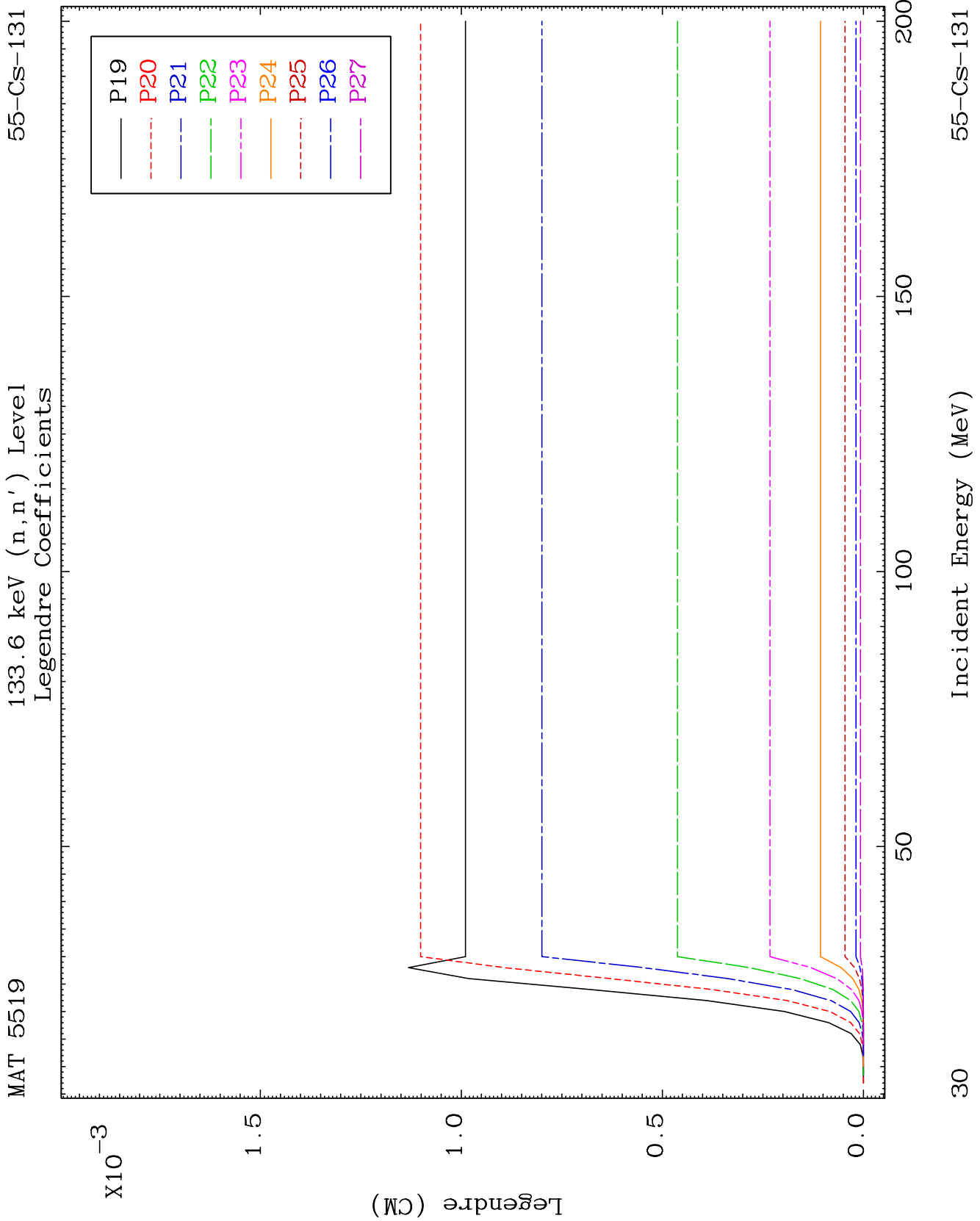


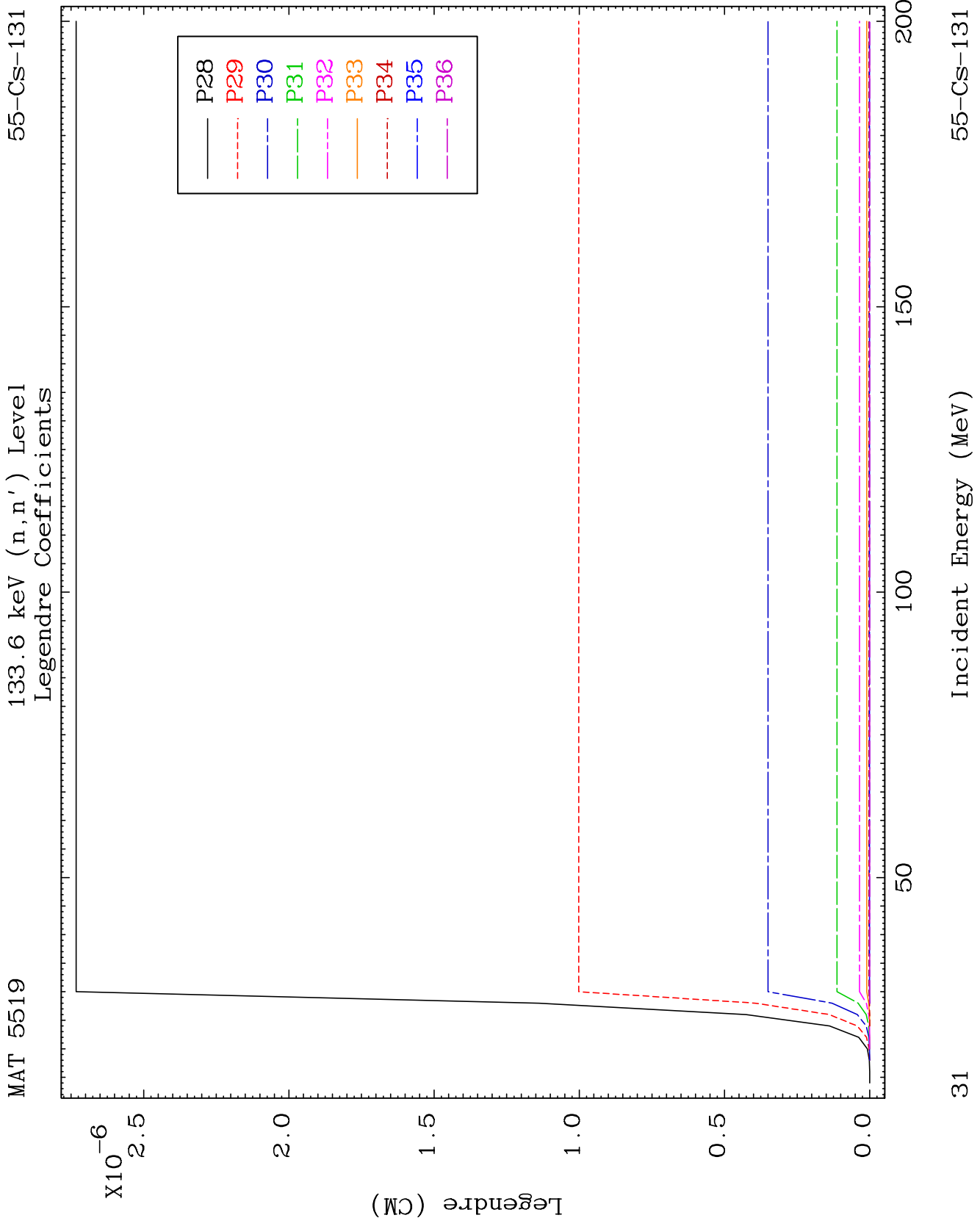
55-Cs-131

Incident Energy (MeV)

28

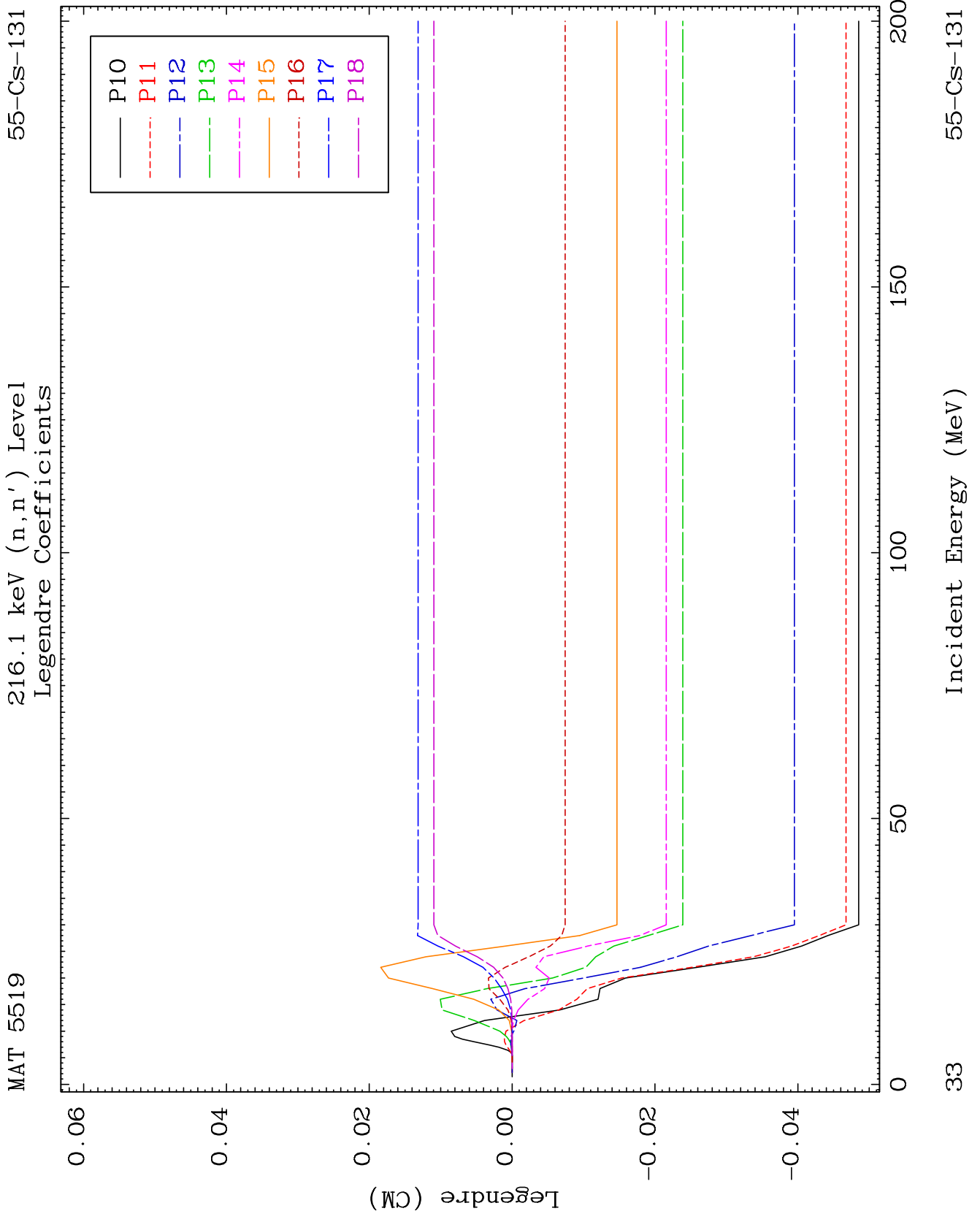








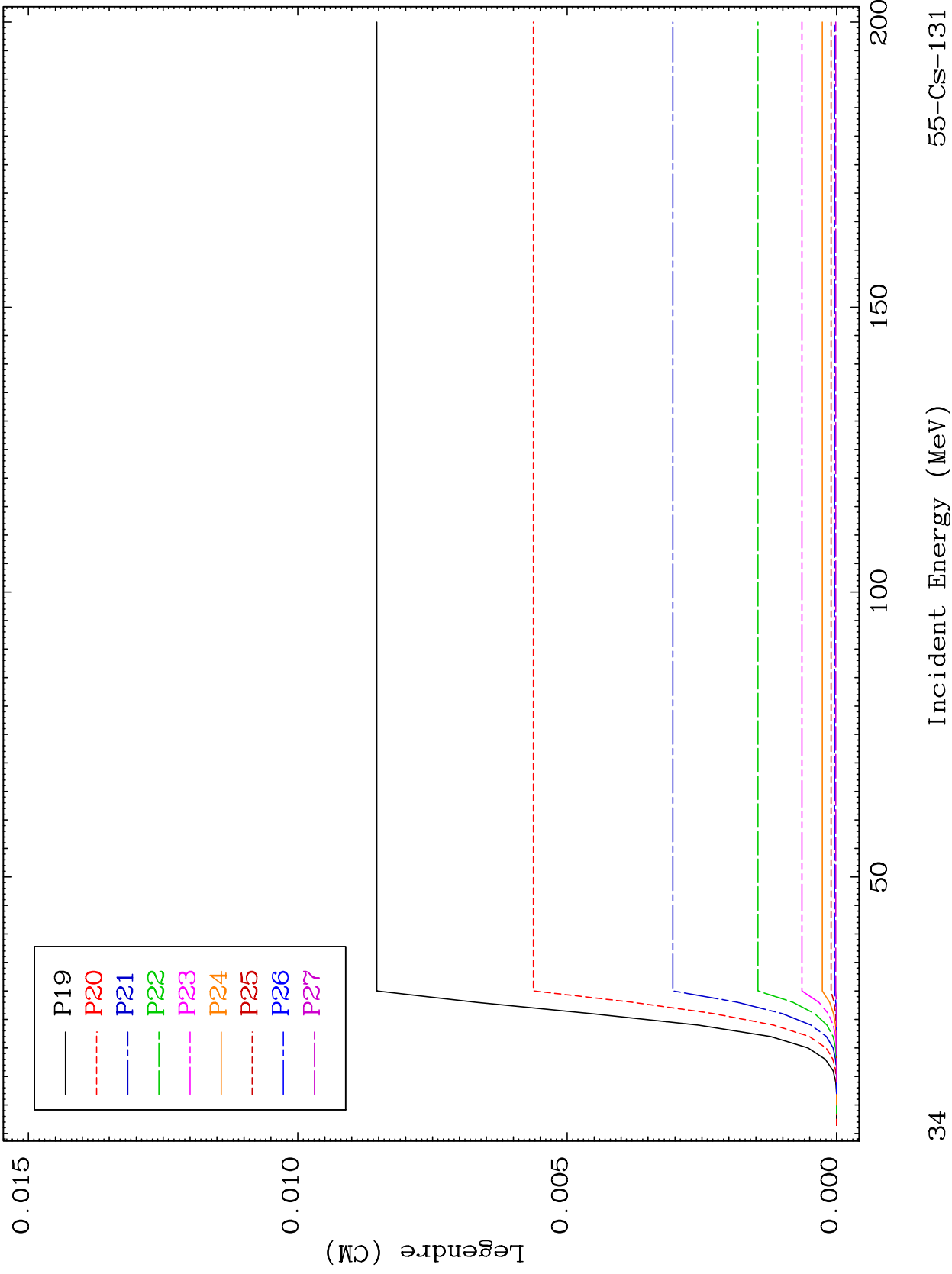




MAT 5519

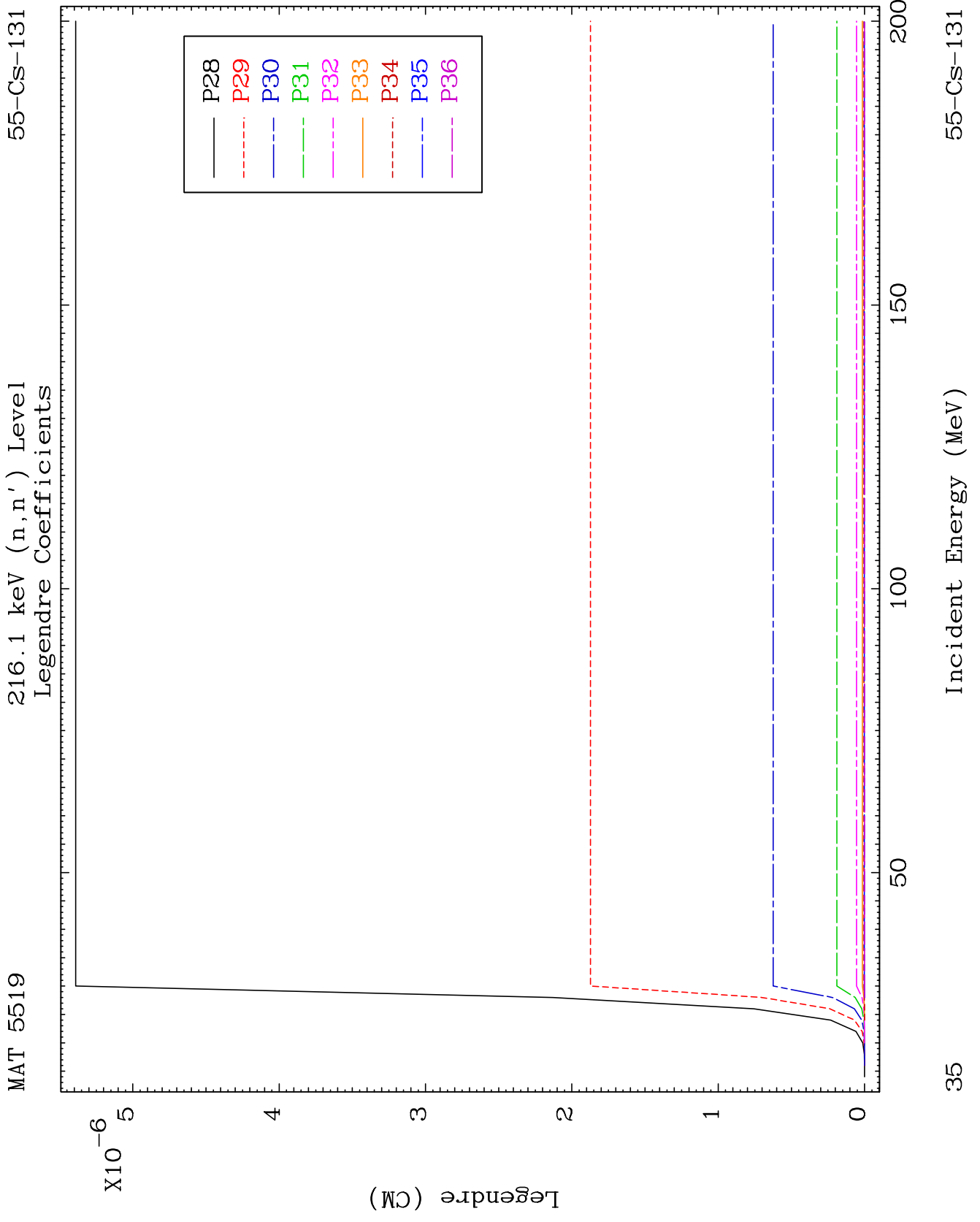
216.1 keV (n,n') Level  
Legendre Coefficients

55-Cs-131



34

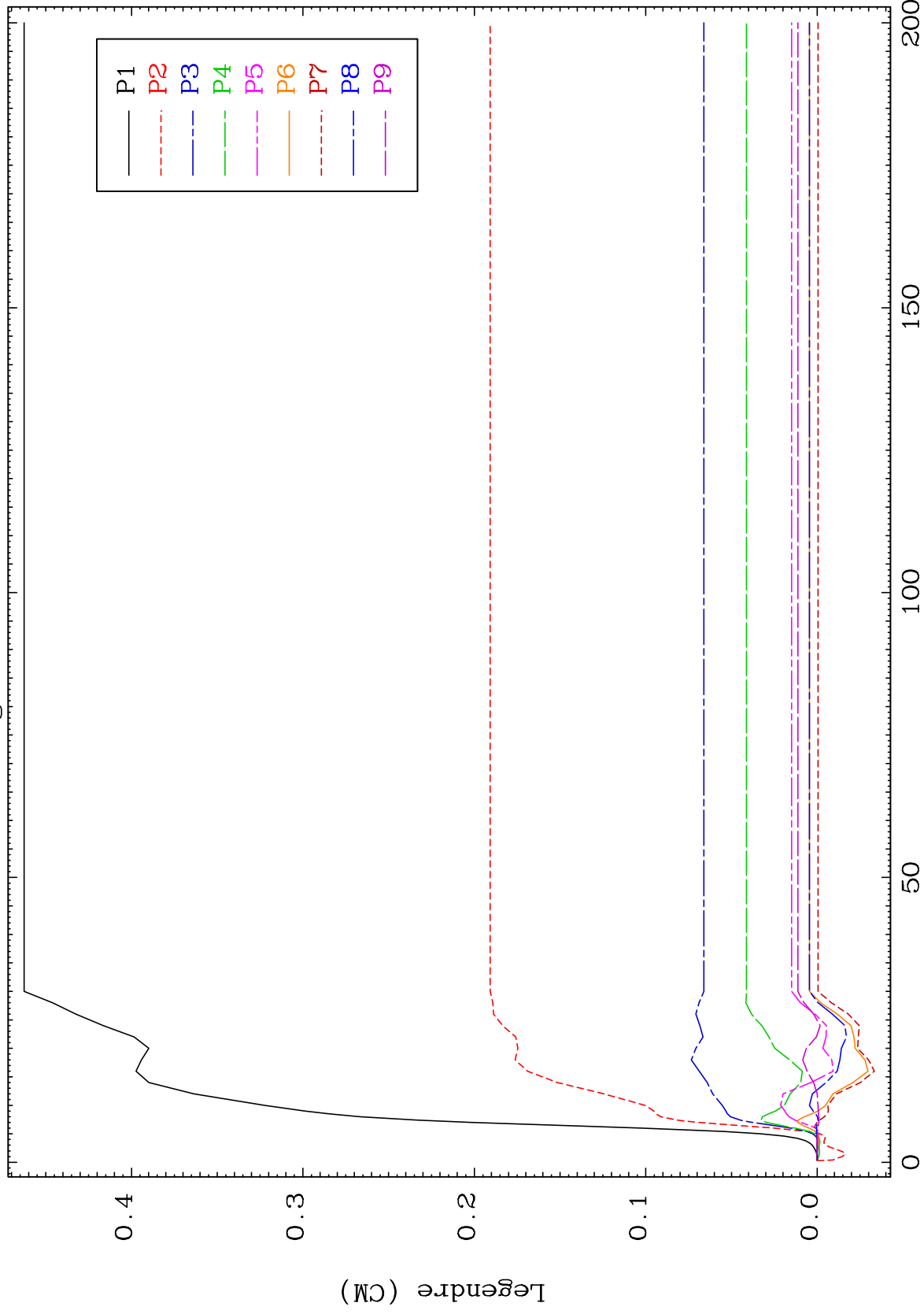
200



MAT 5519

274.0 keV (n,n') Level  
Legendre Coefficients

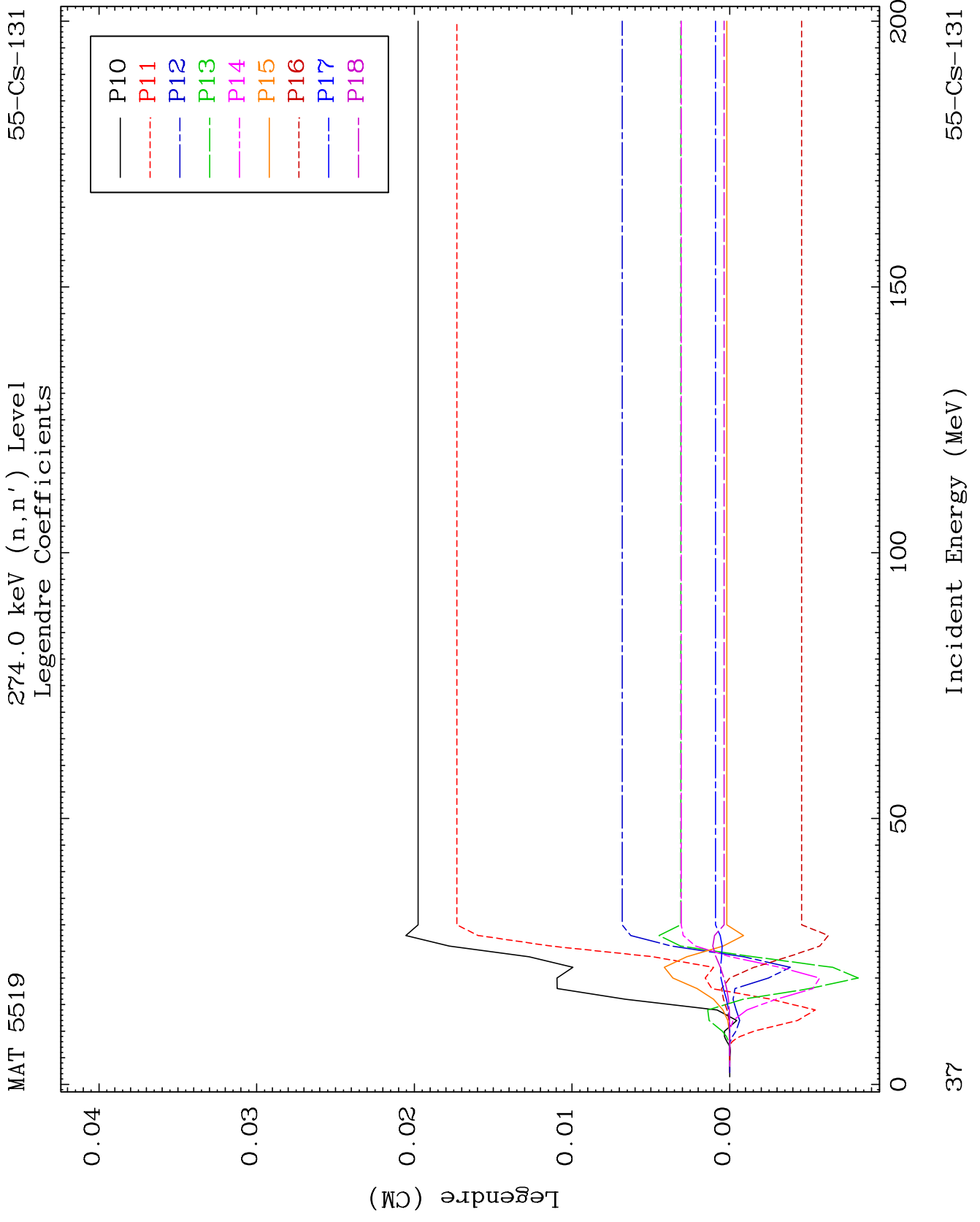
55-Cs-131



36

Incident Energy (MeV)

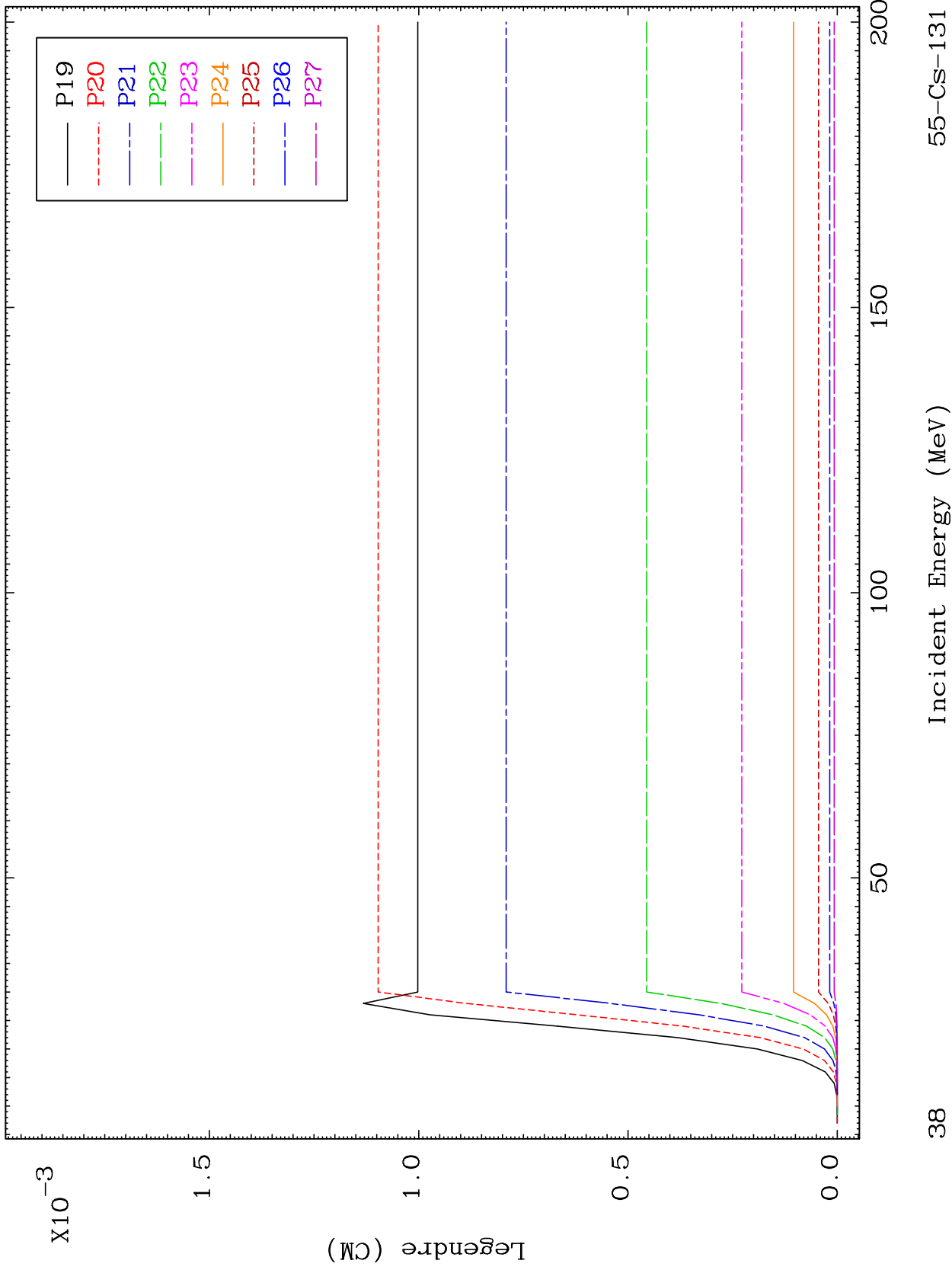
55-Cs-131

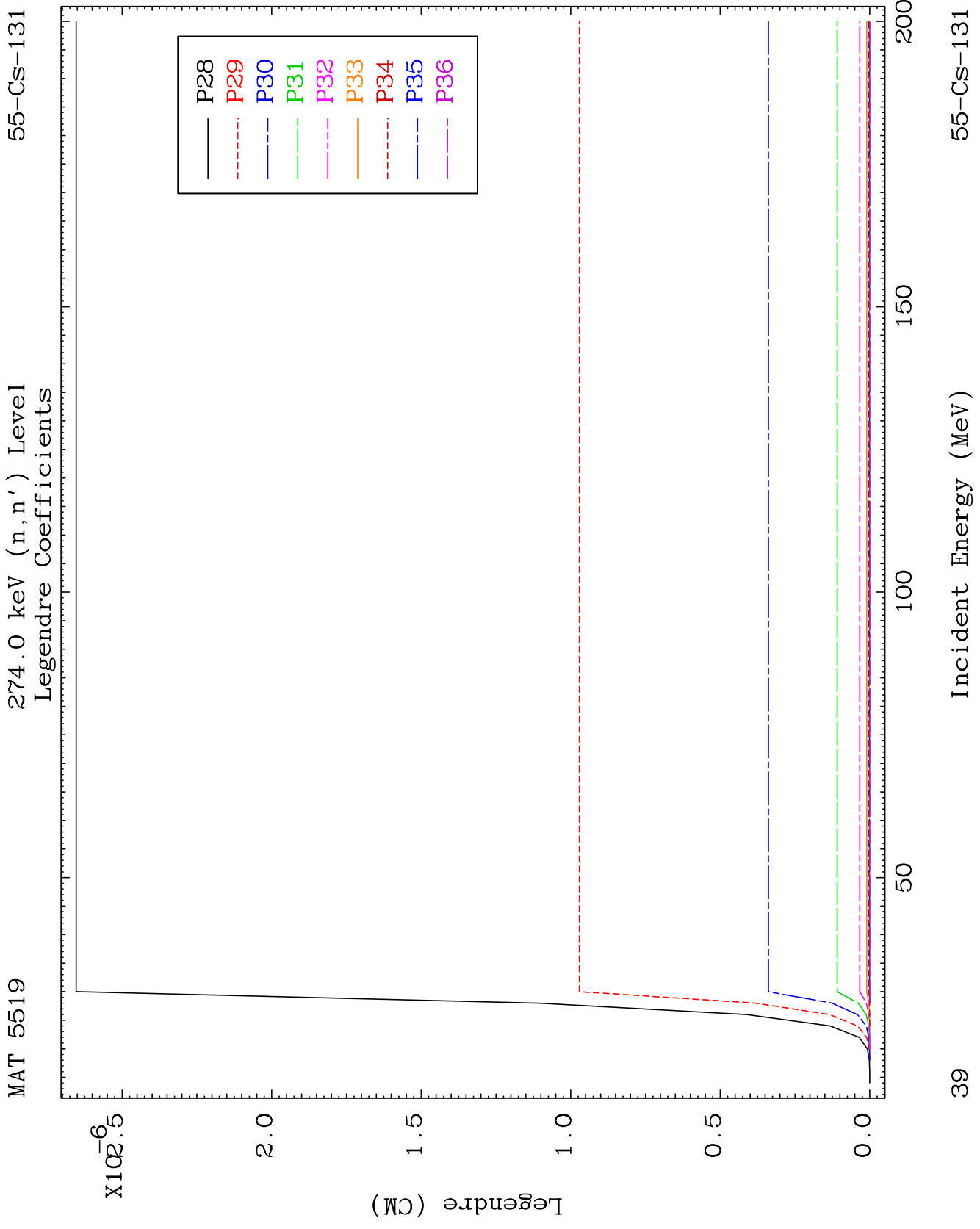


MAT 5519

274.0 keV (n,n') Level  
Legendre Coefficients

55-Cs-131



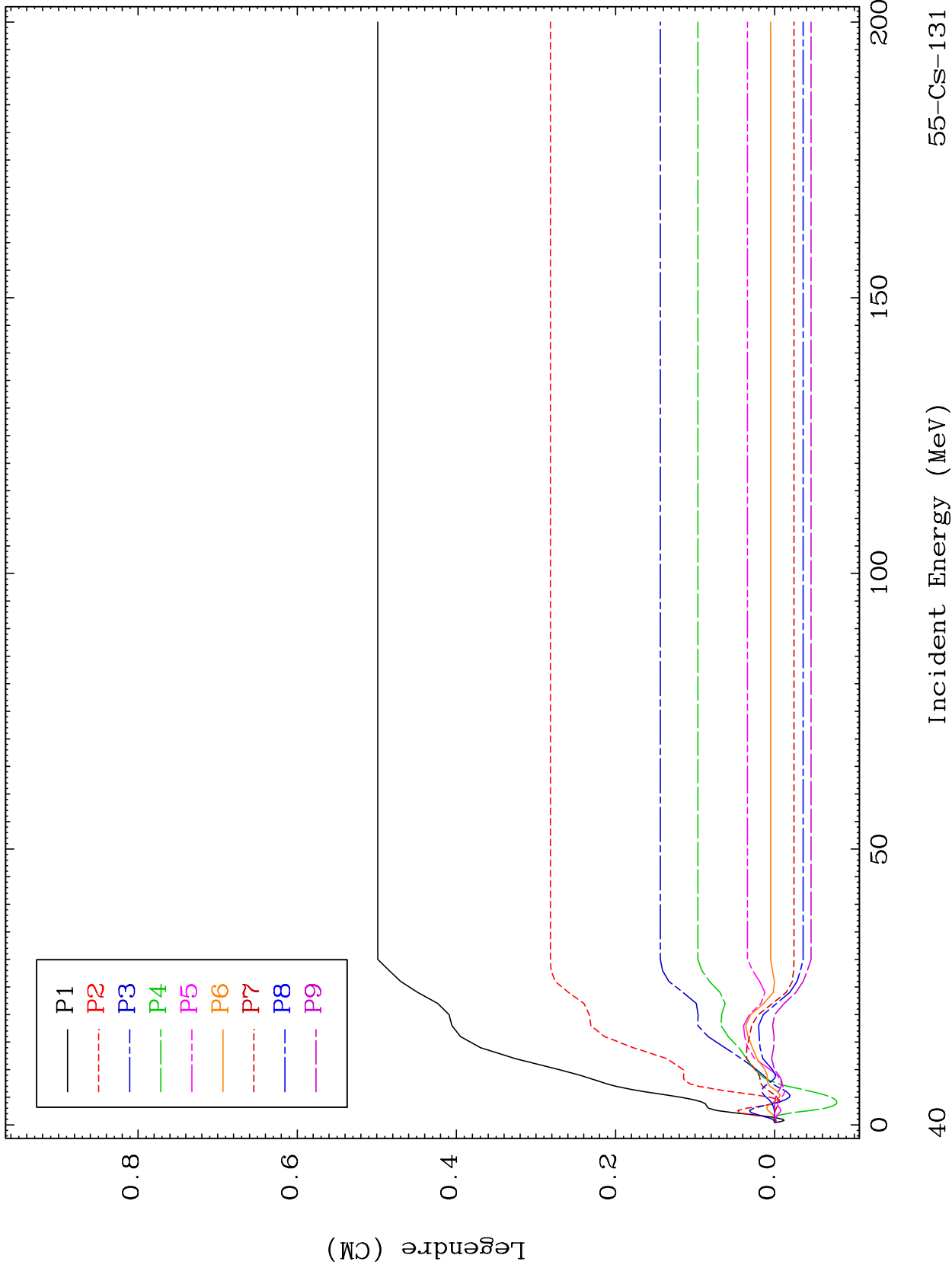




MAT 5519

373.2 keV (n,n') Level  
Legendre Coefficients

55-Cs-131



55-Cs-131

Incident Energy (MeV)

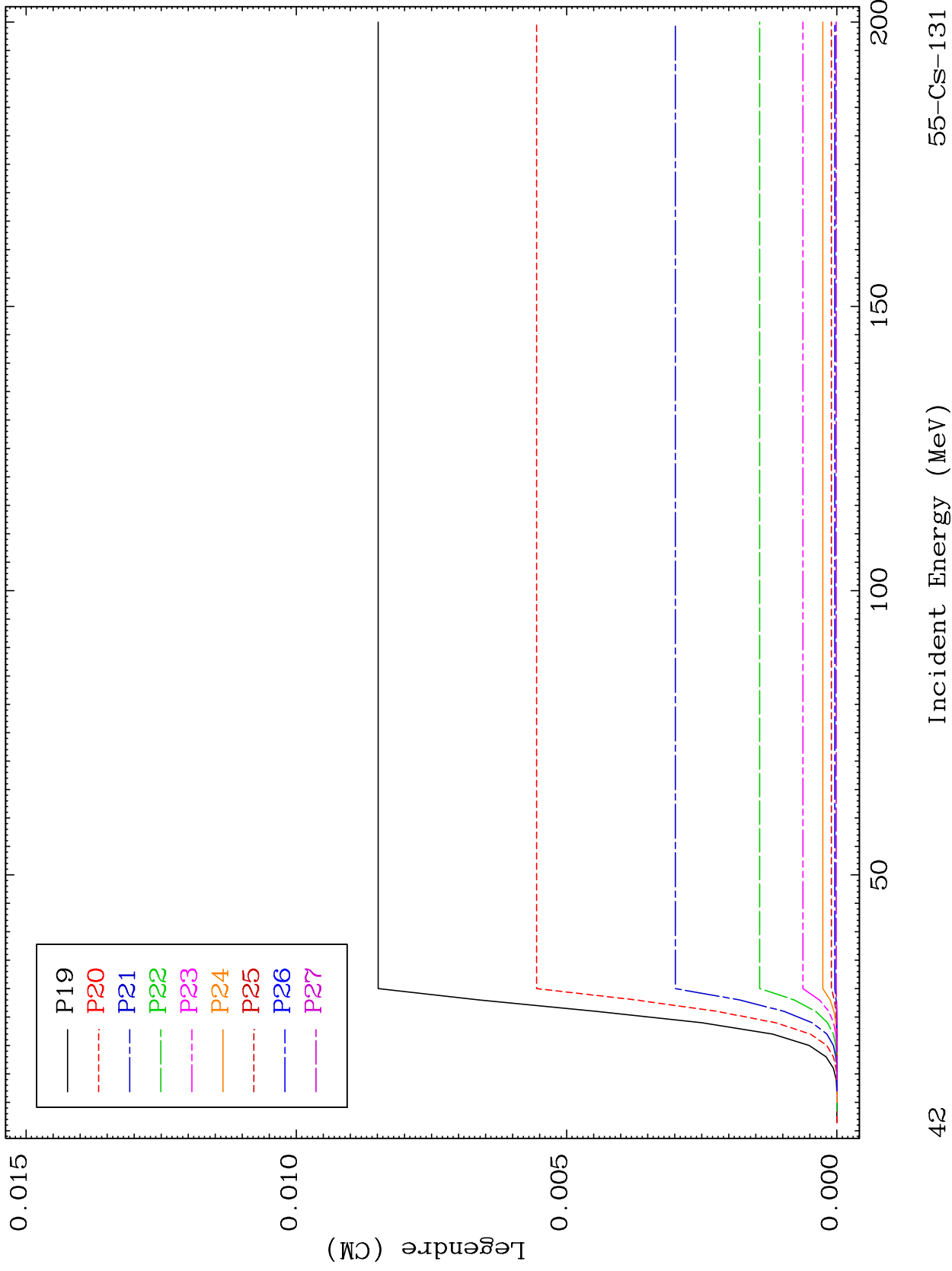
40



MAT 5519

373.2 keV (n,n') Level  
Legendre Coefficients

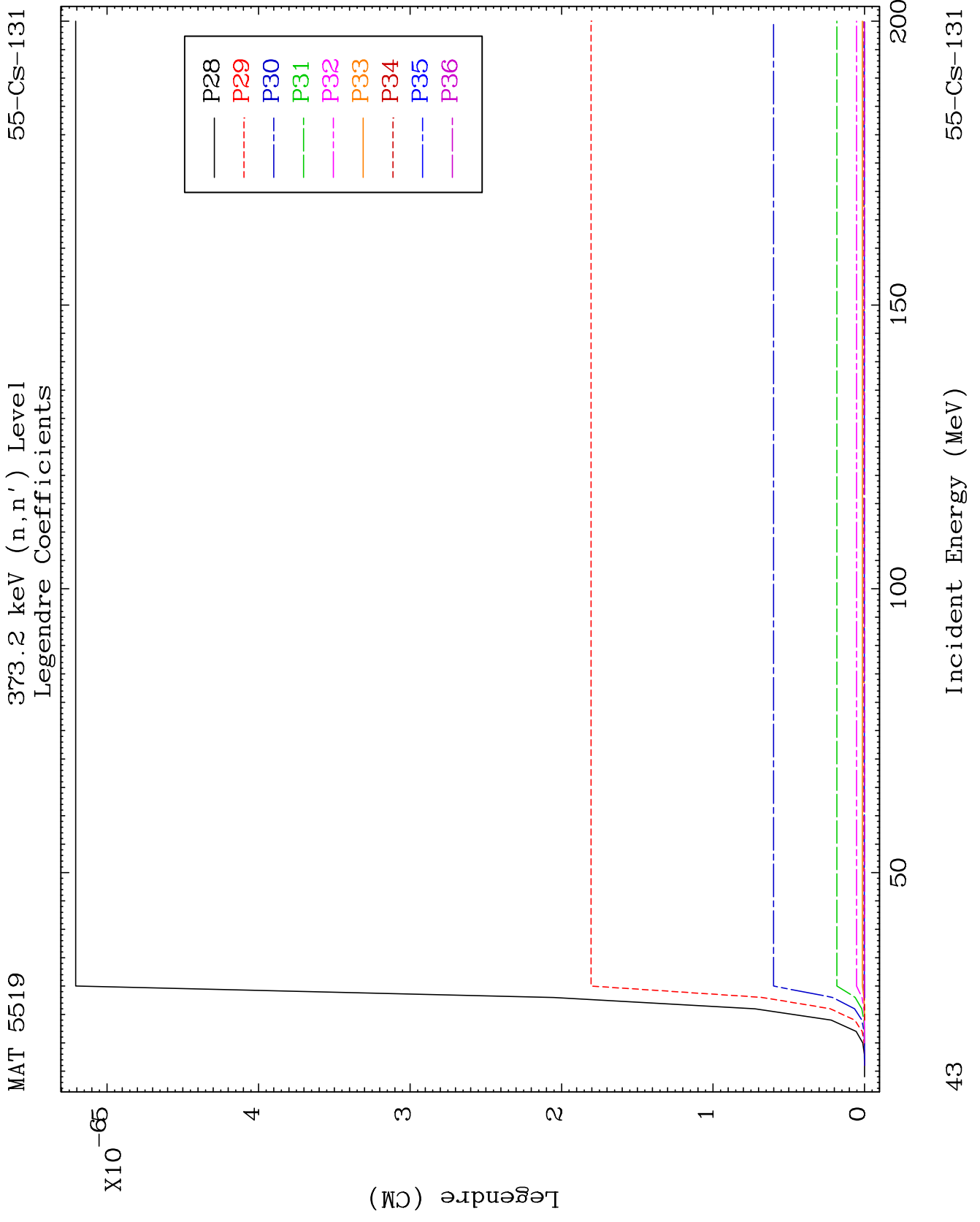
55-Cs-131



42

Incident Energy (MeV)

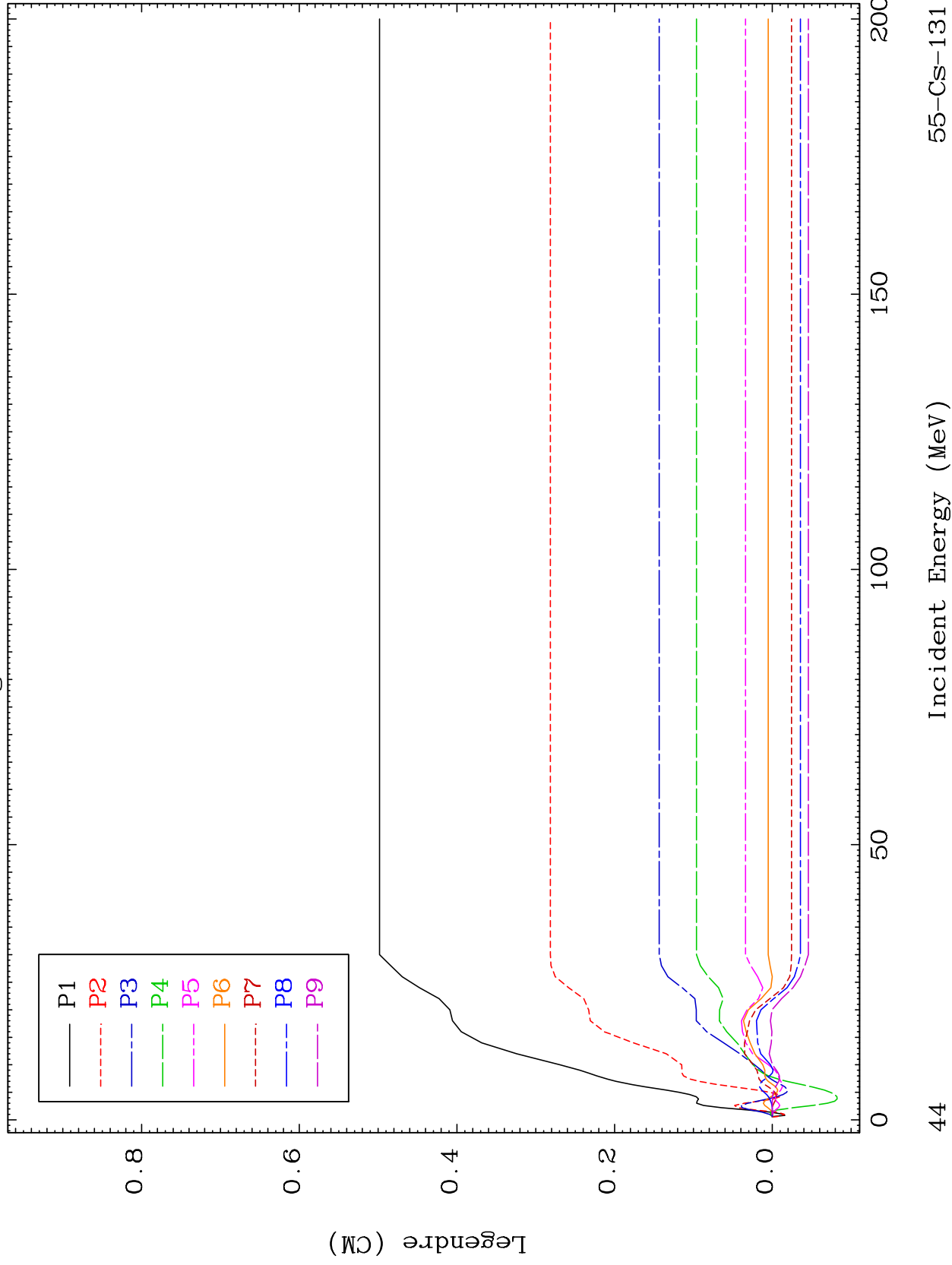
55-Cs-131



MAT 5519

496.1 keV (n,n') Level  
Legendre Coefficients

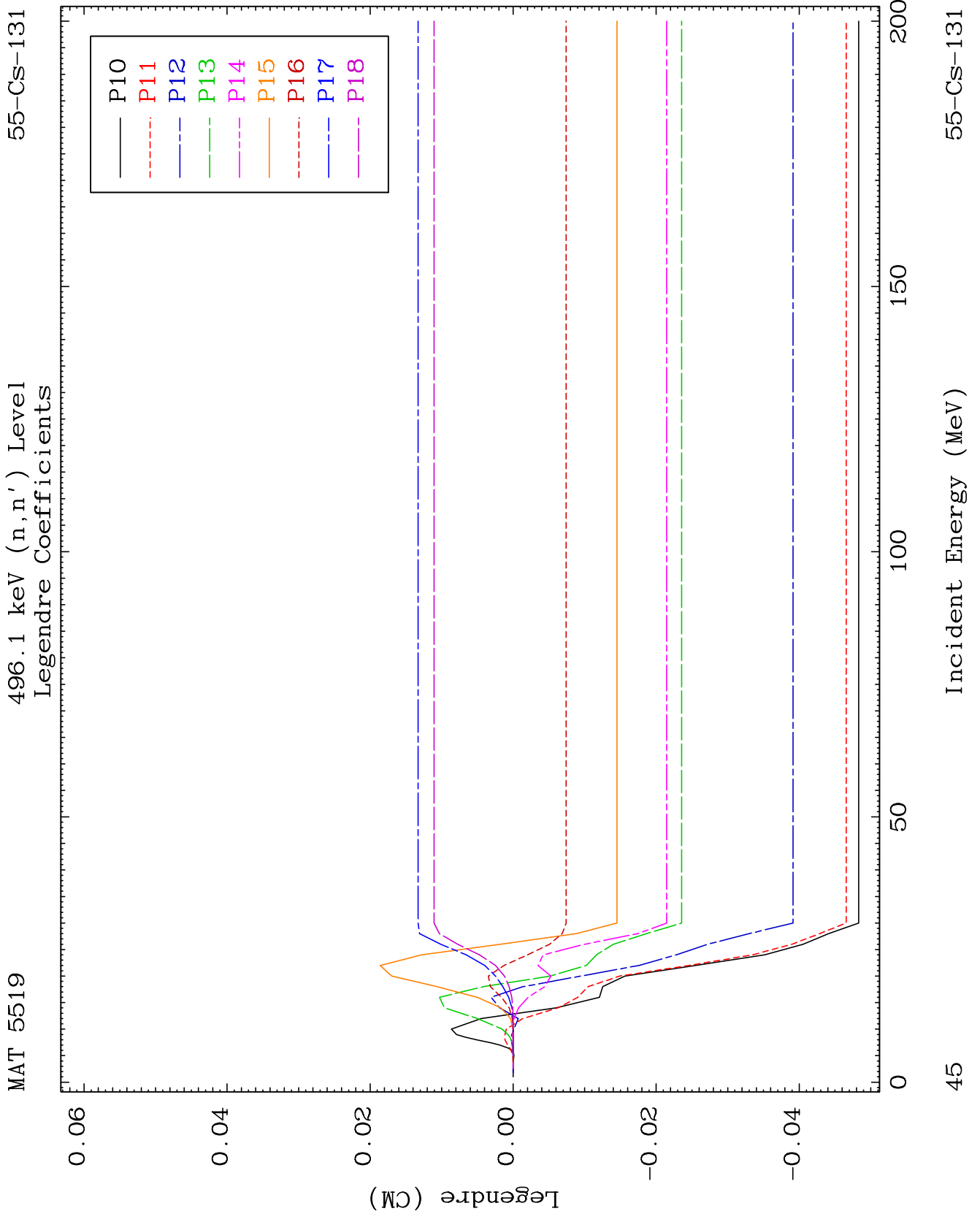
55-Cs-131



55-Cs-131

Incident Energy (MeV)

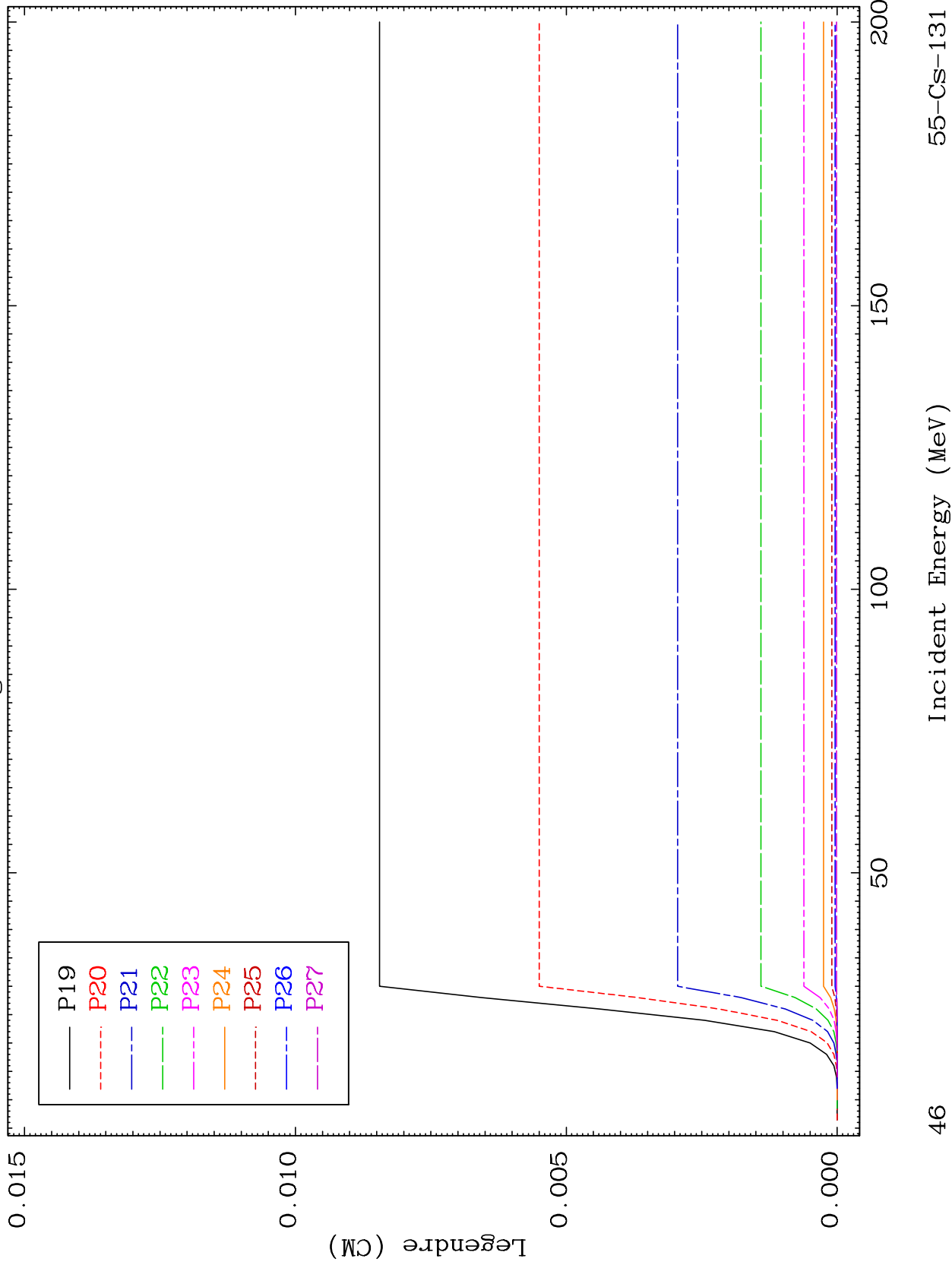
44



MAT 5519

496.1 keV (n,n') Level  
Legendre Coefficients

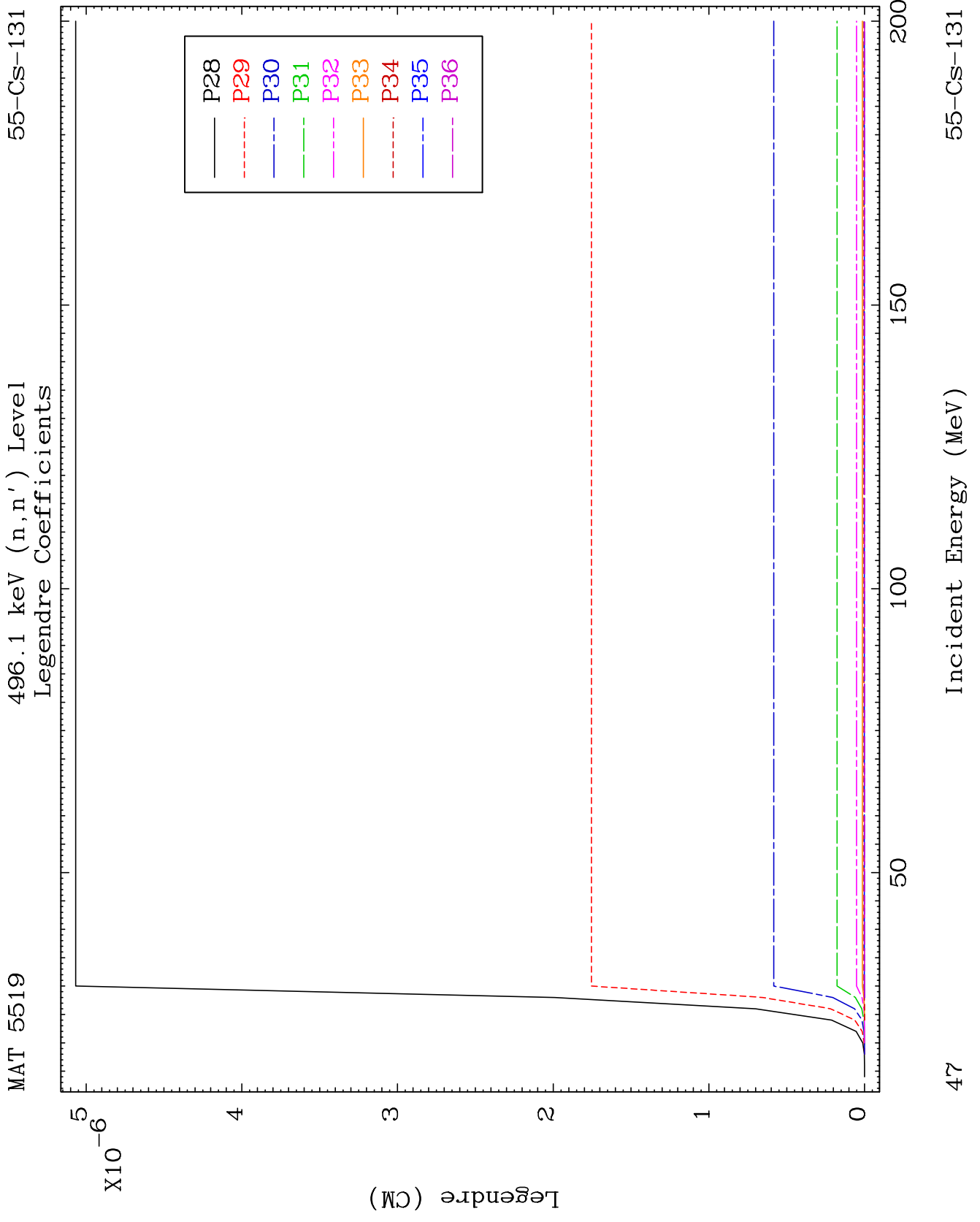
55-Cs-131



55-Cs-131

Incident Energy (MeV)

46

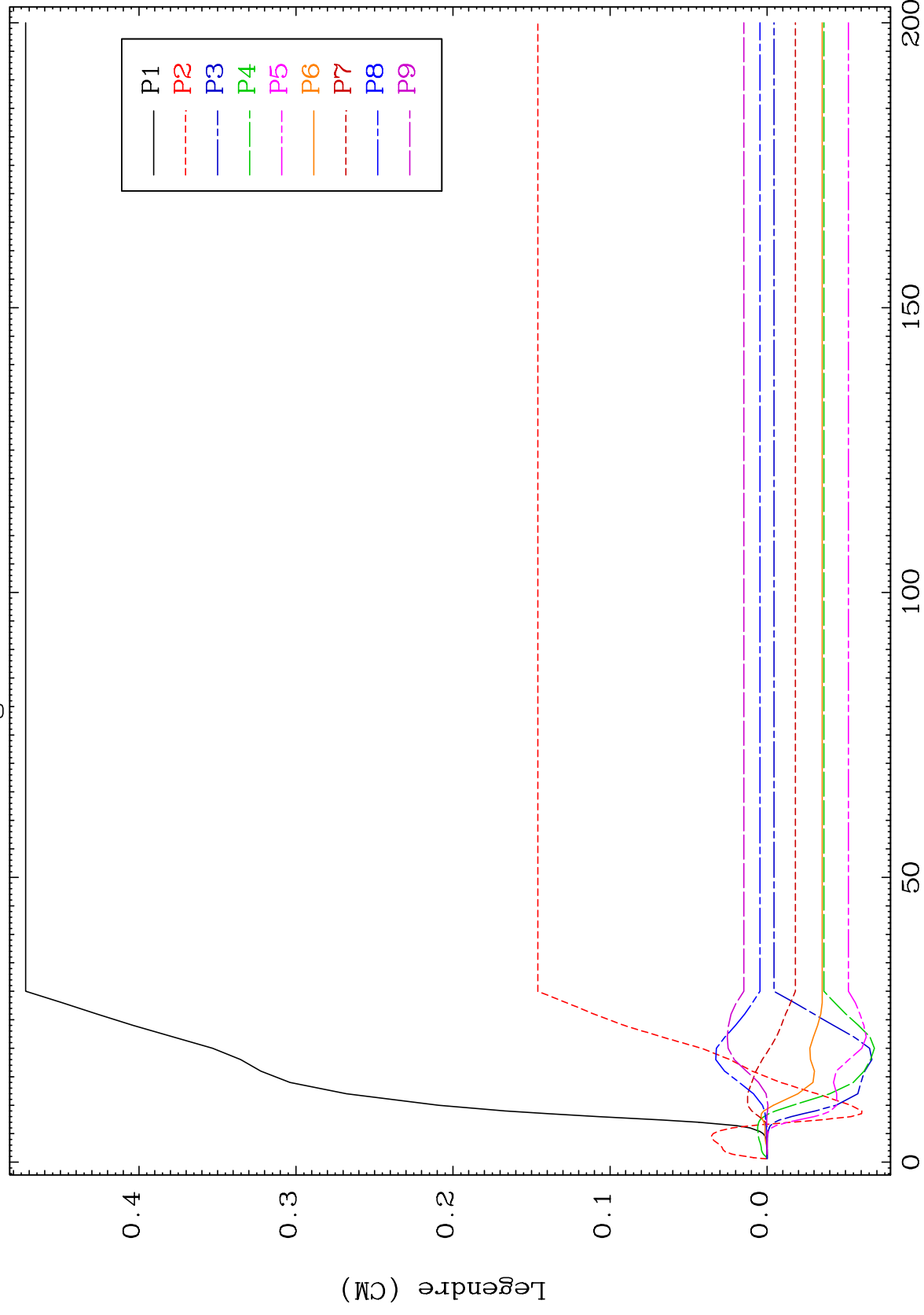




MAT 5519

585.0 keV (n,n') Level  
Legendre Coefficients

55-Cs-131



55-Cs-131

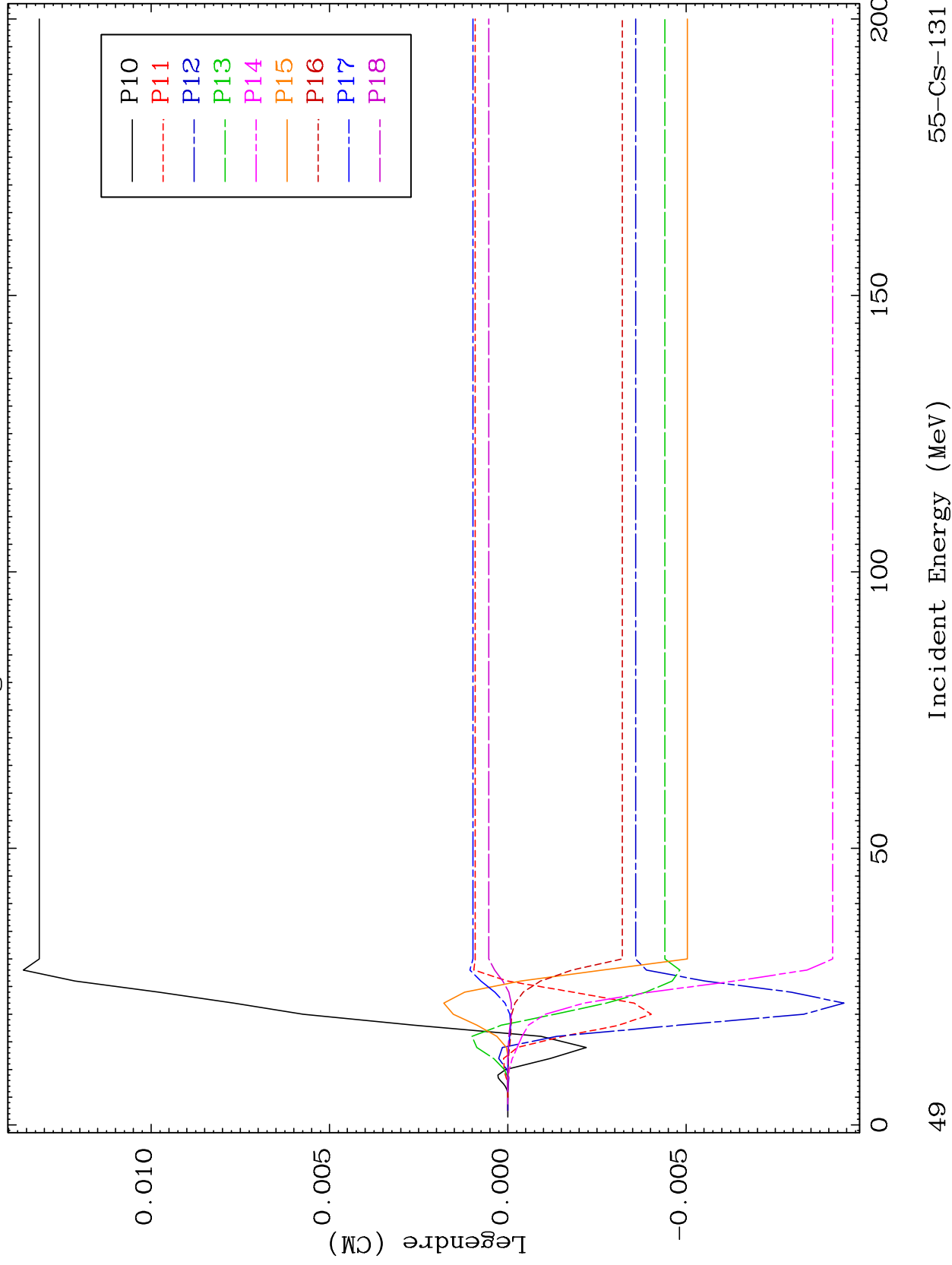
Incident Energy (MeV)

48

MAT 5519

585.0 keV (n,n') Level  
Legendre Coefficients

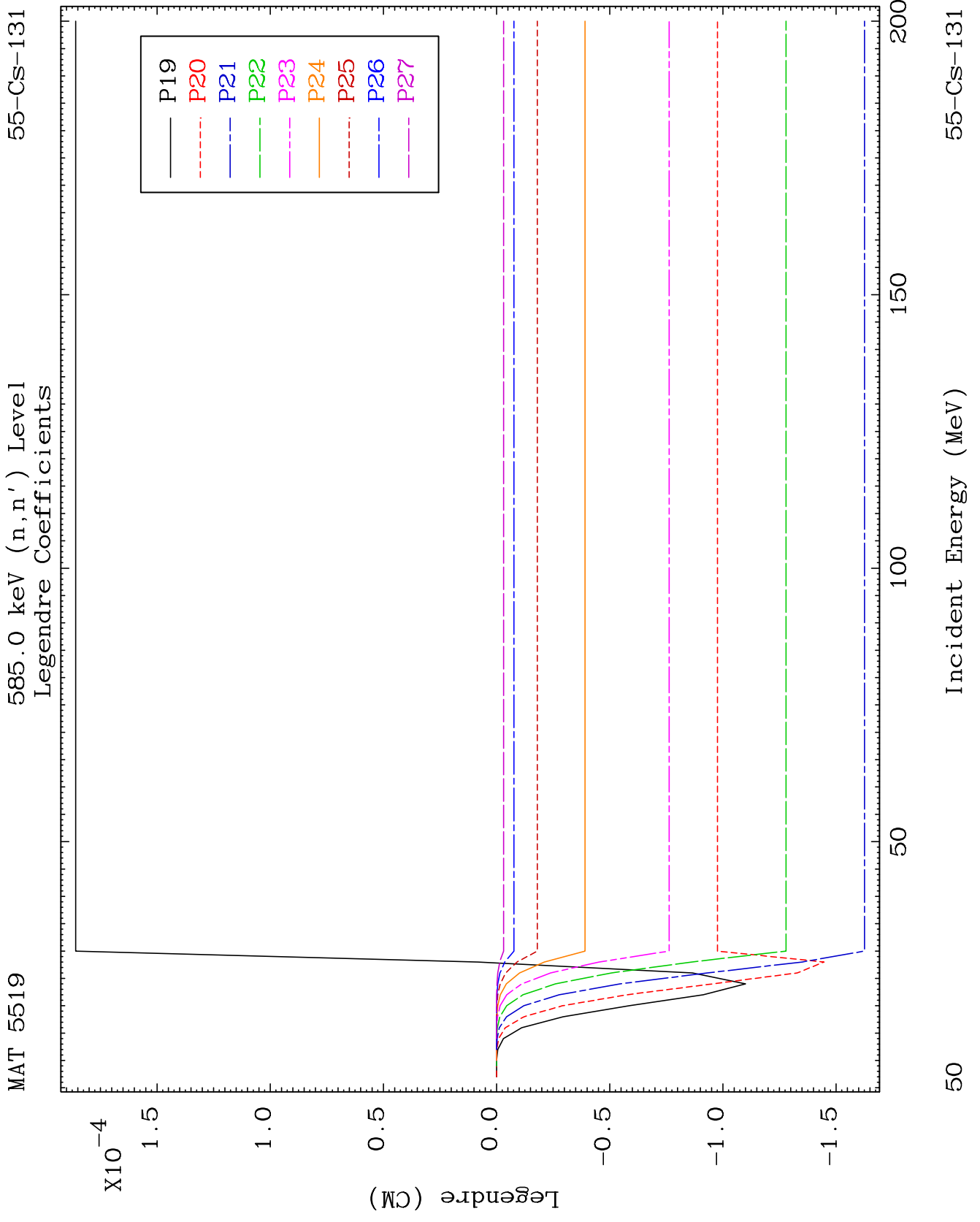
55-Cs-131



55-Cs-131

Incident Energy (MeV)

49

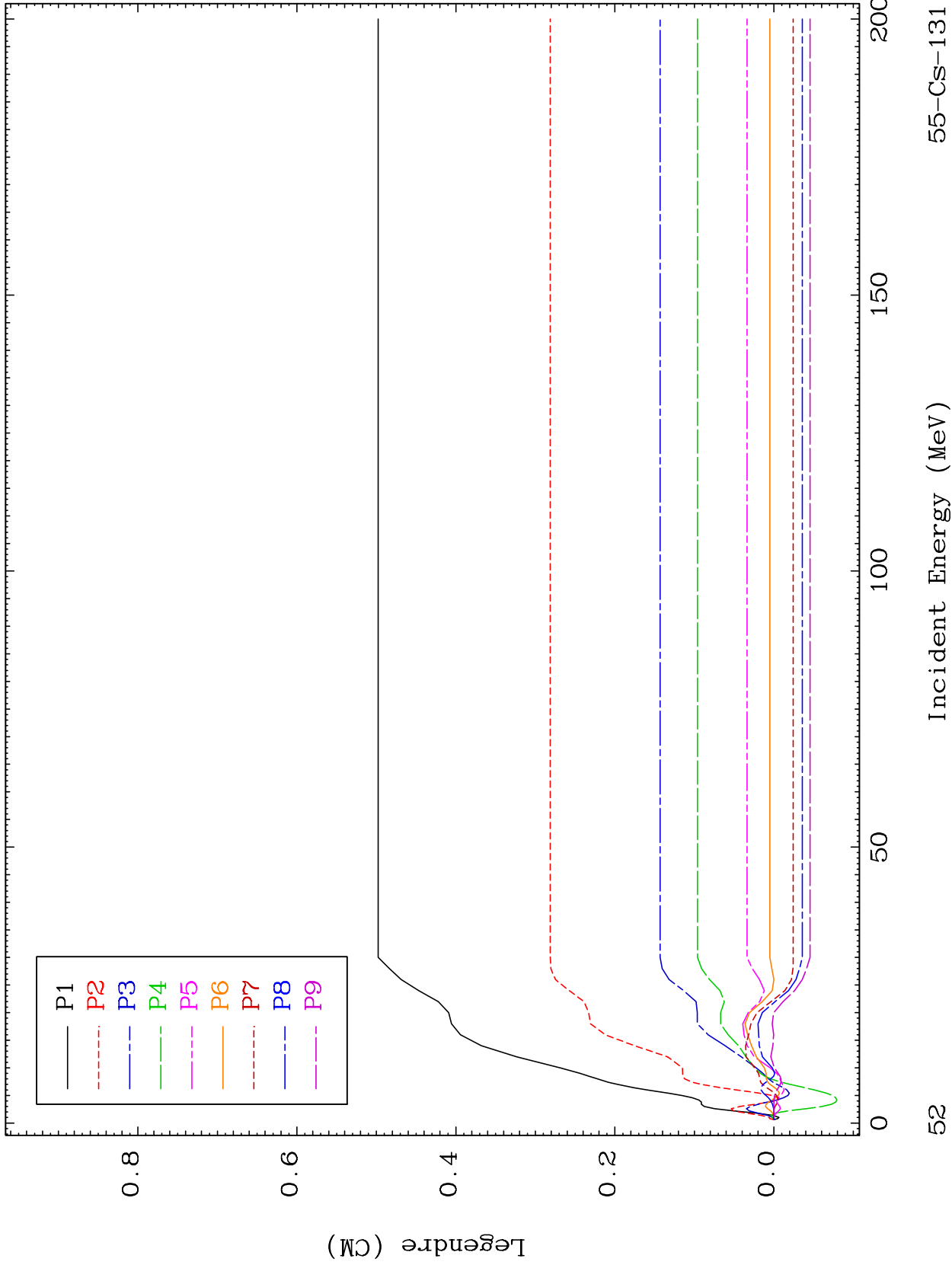




MAT 5519

596.3 keV (n,n') Level  
Legendre Coefficients

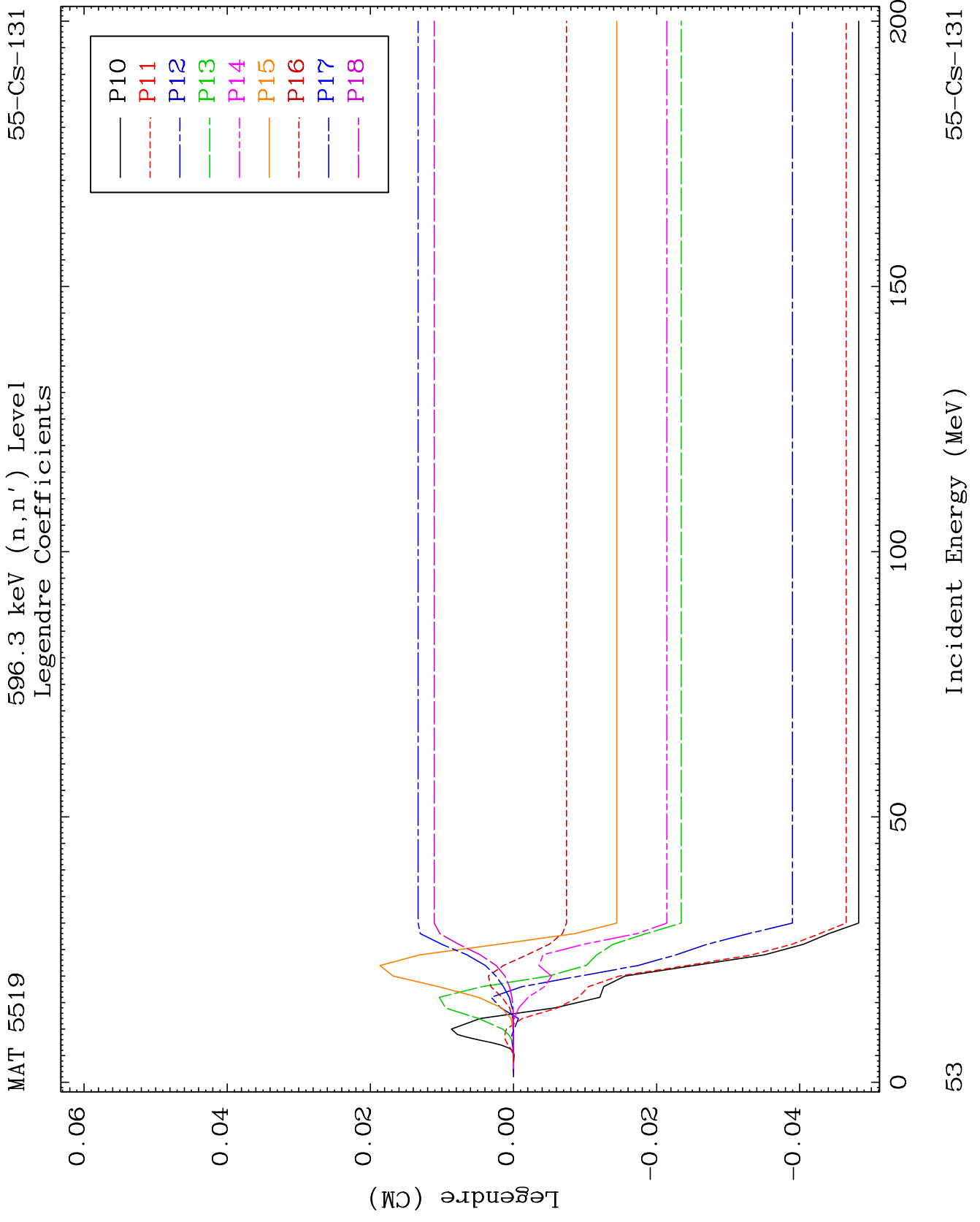
55-Cs-131



52

Incident Energy (MeV)

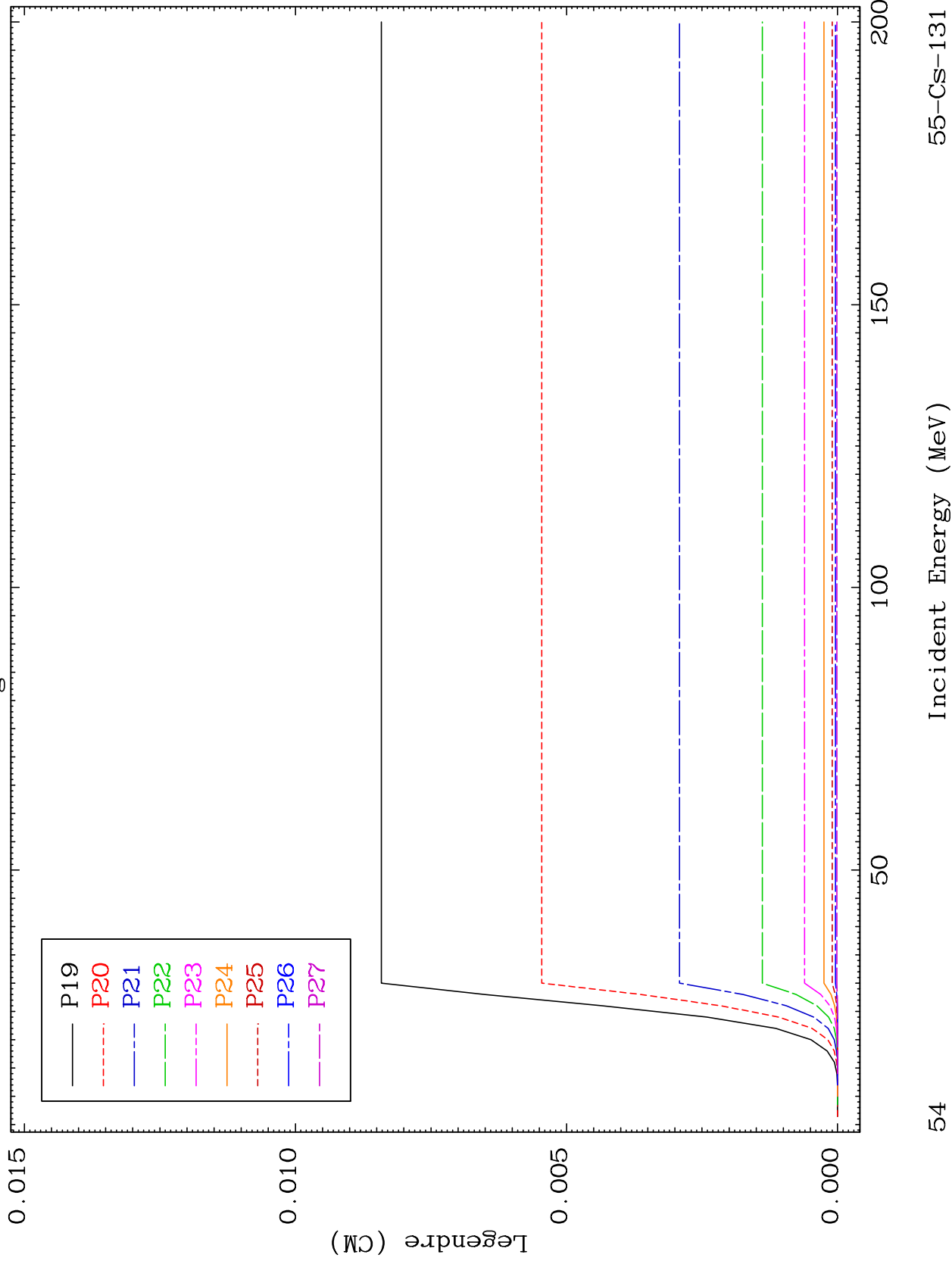
55-Cs-131



MAT 5519

596.3 keV (n,n') Level  
Legendre Coefficients

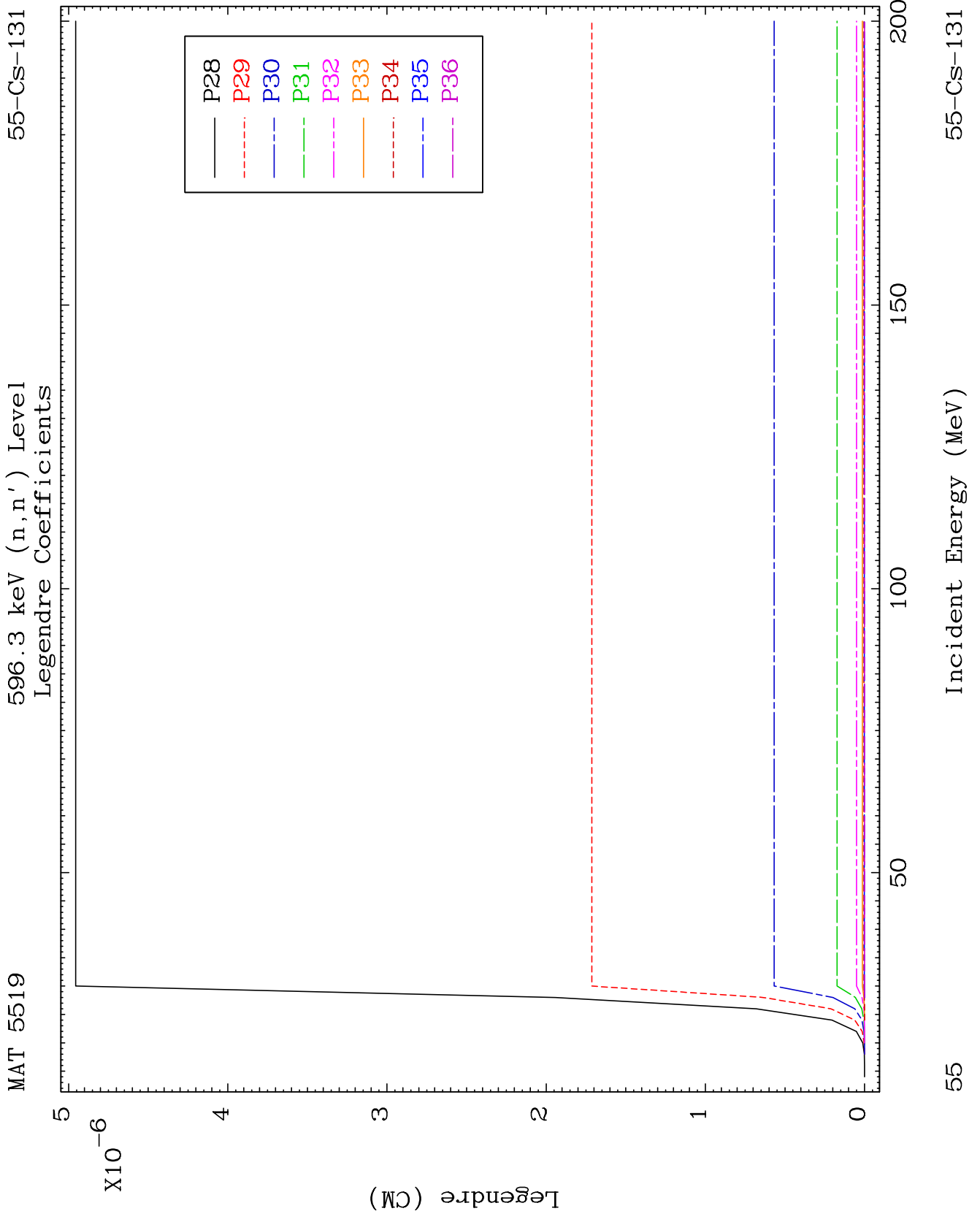
55-Cs-131



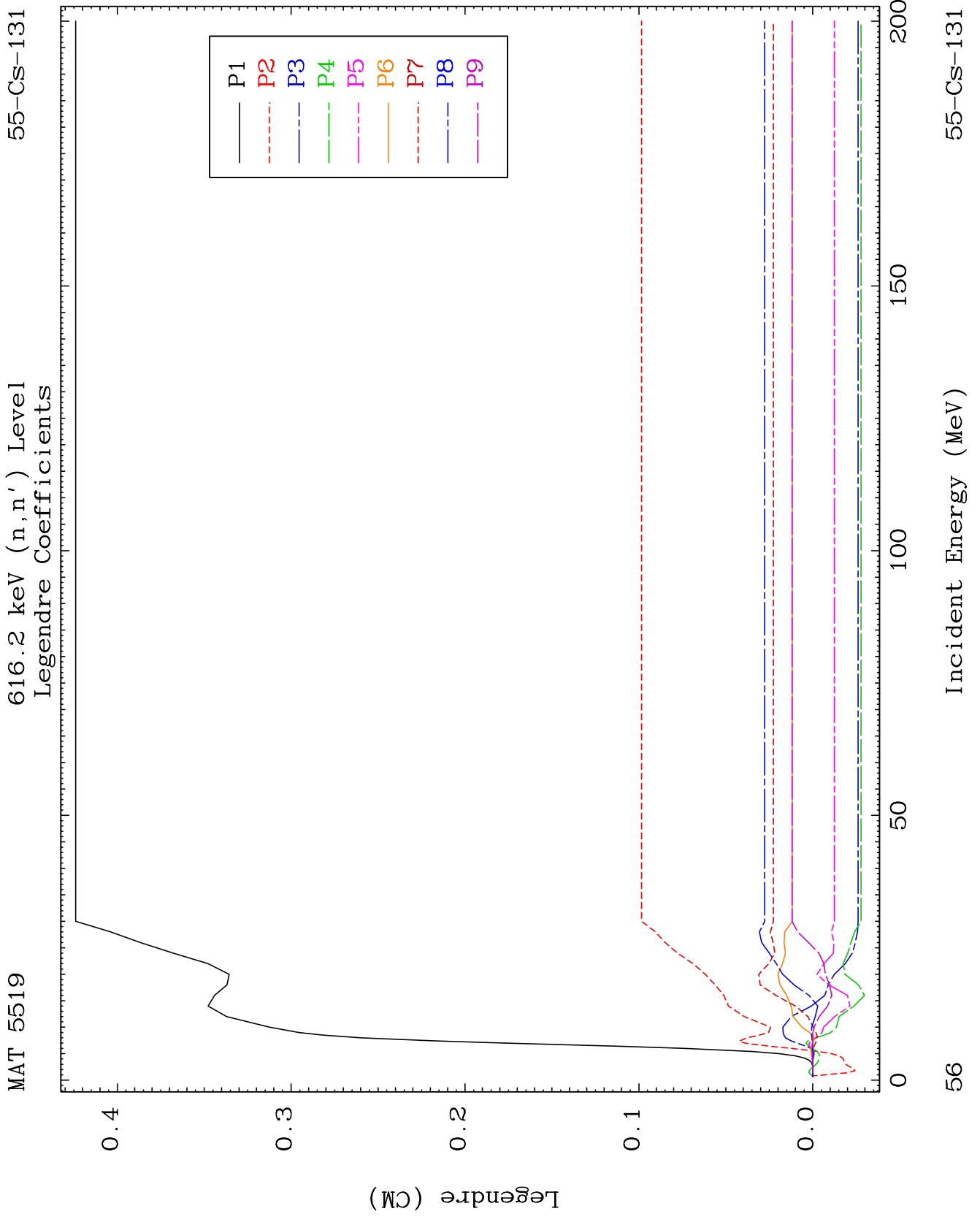
54

Incident Energy (MeV)

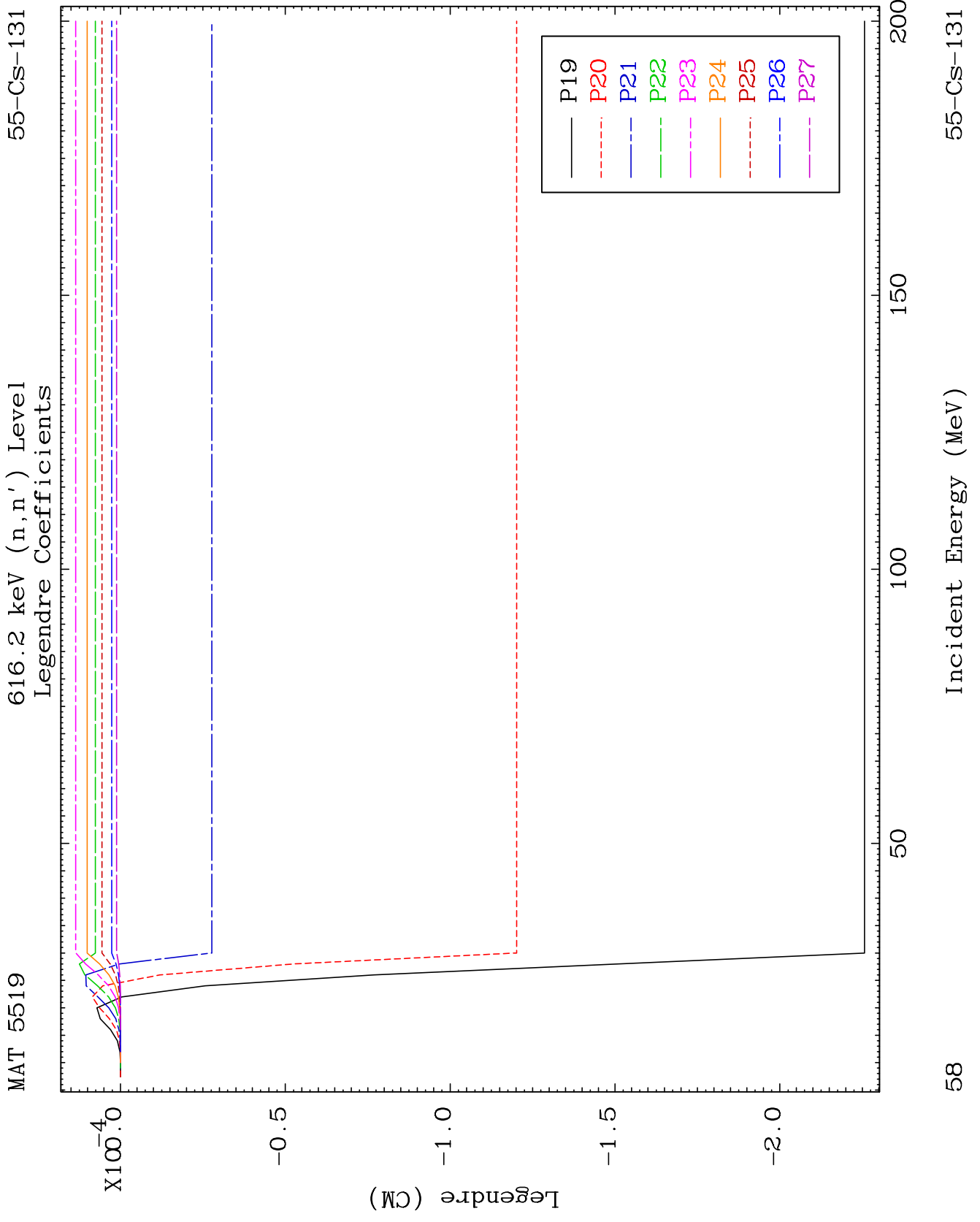
55-Cs-131

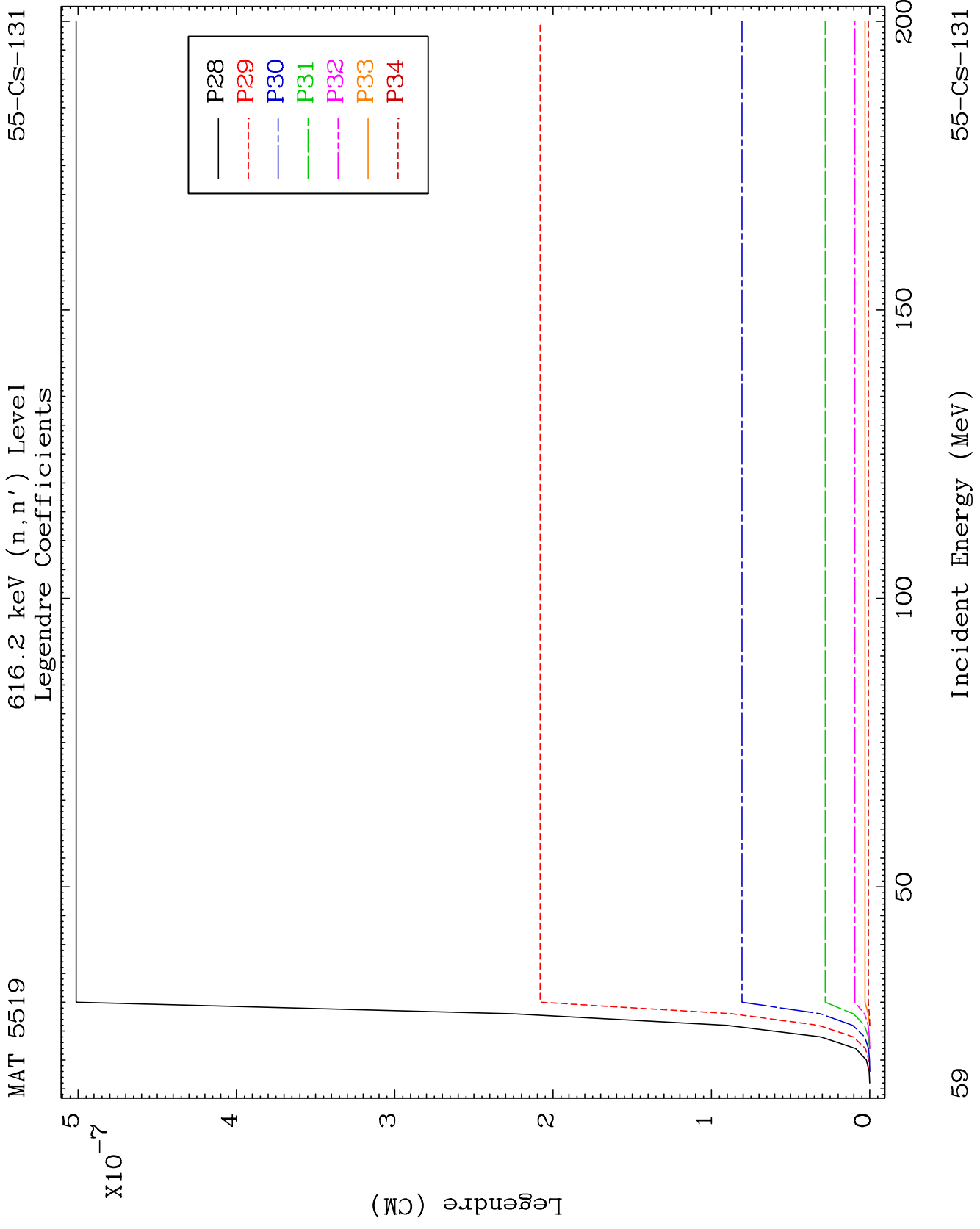










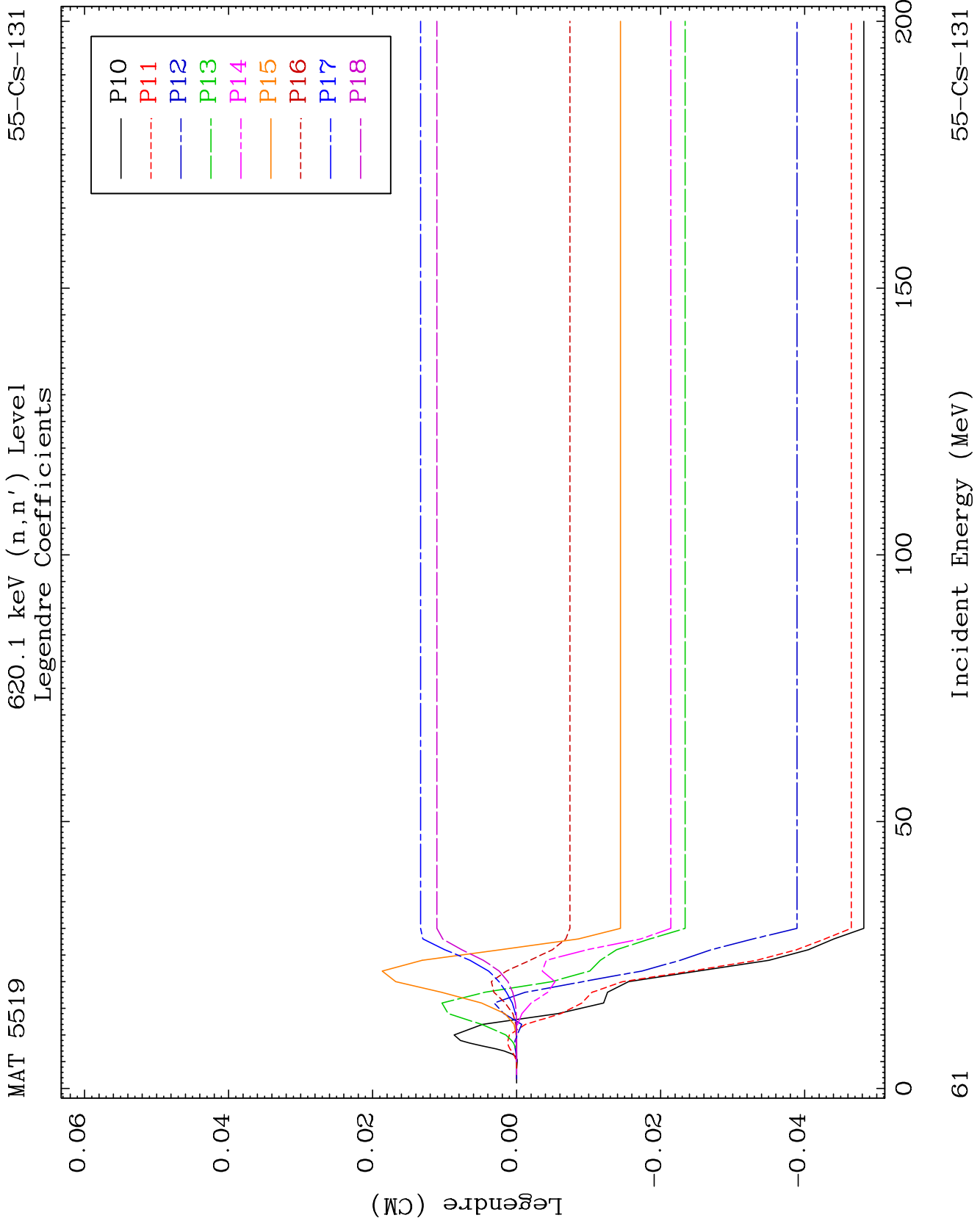


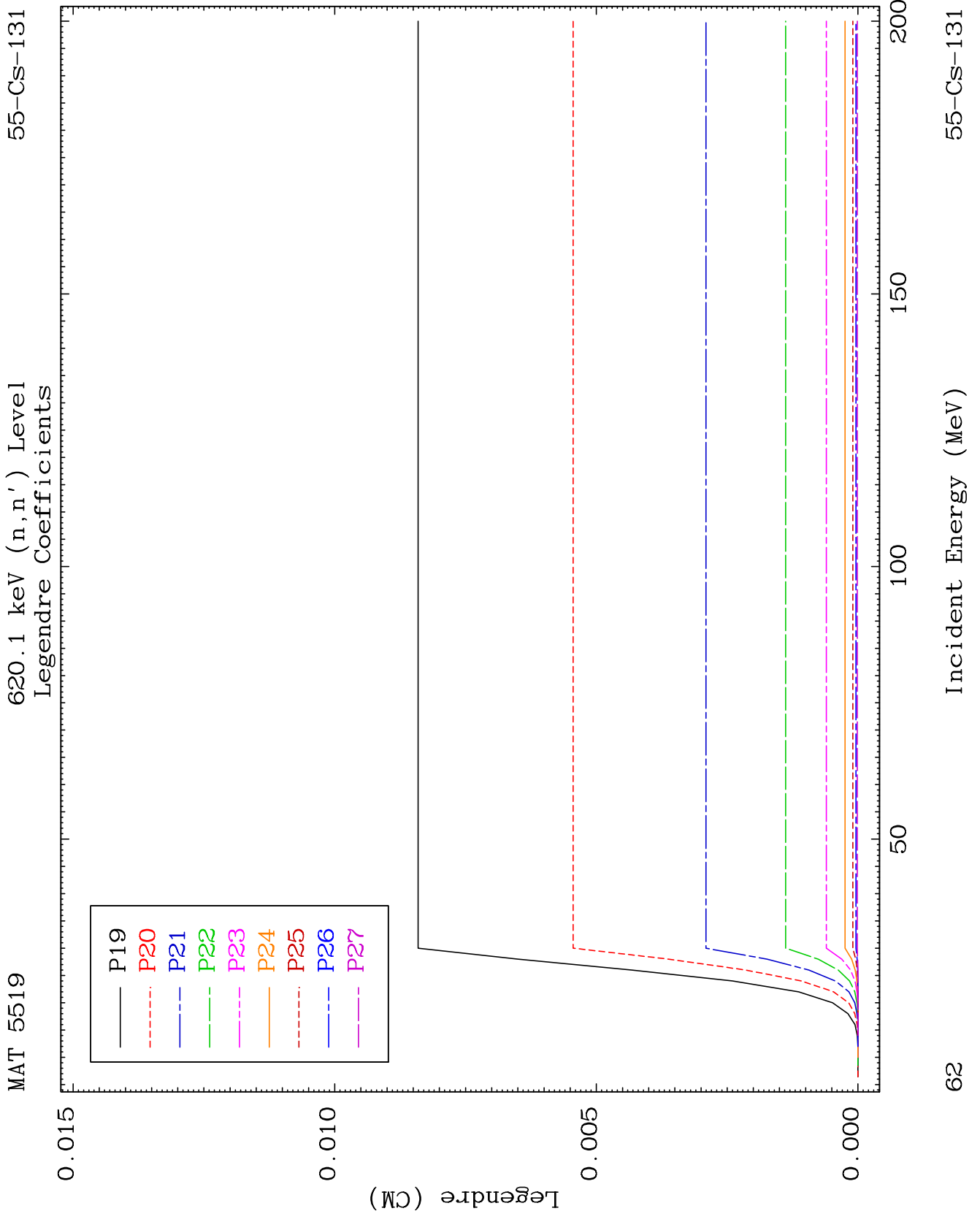
MAT 5519

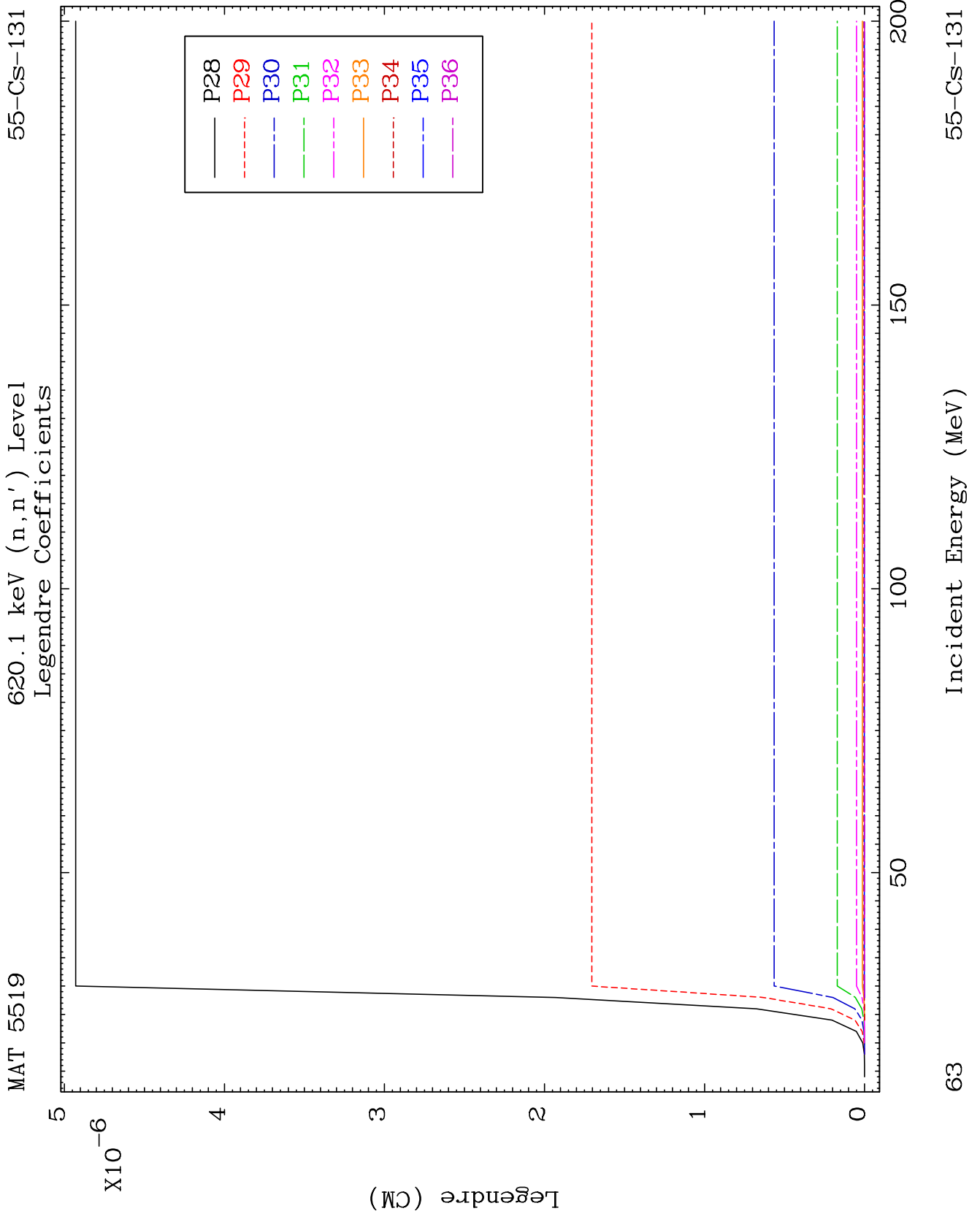
620.1 keV (n,n') Level  
Legendre Coefficients

55-Cs-131







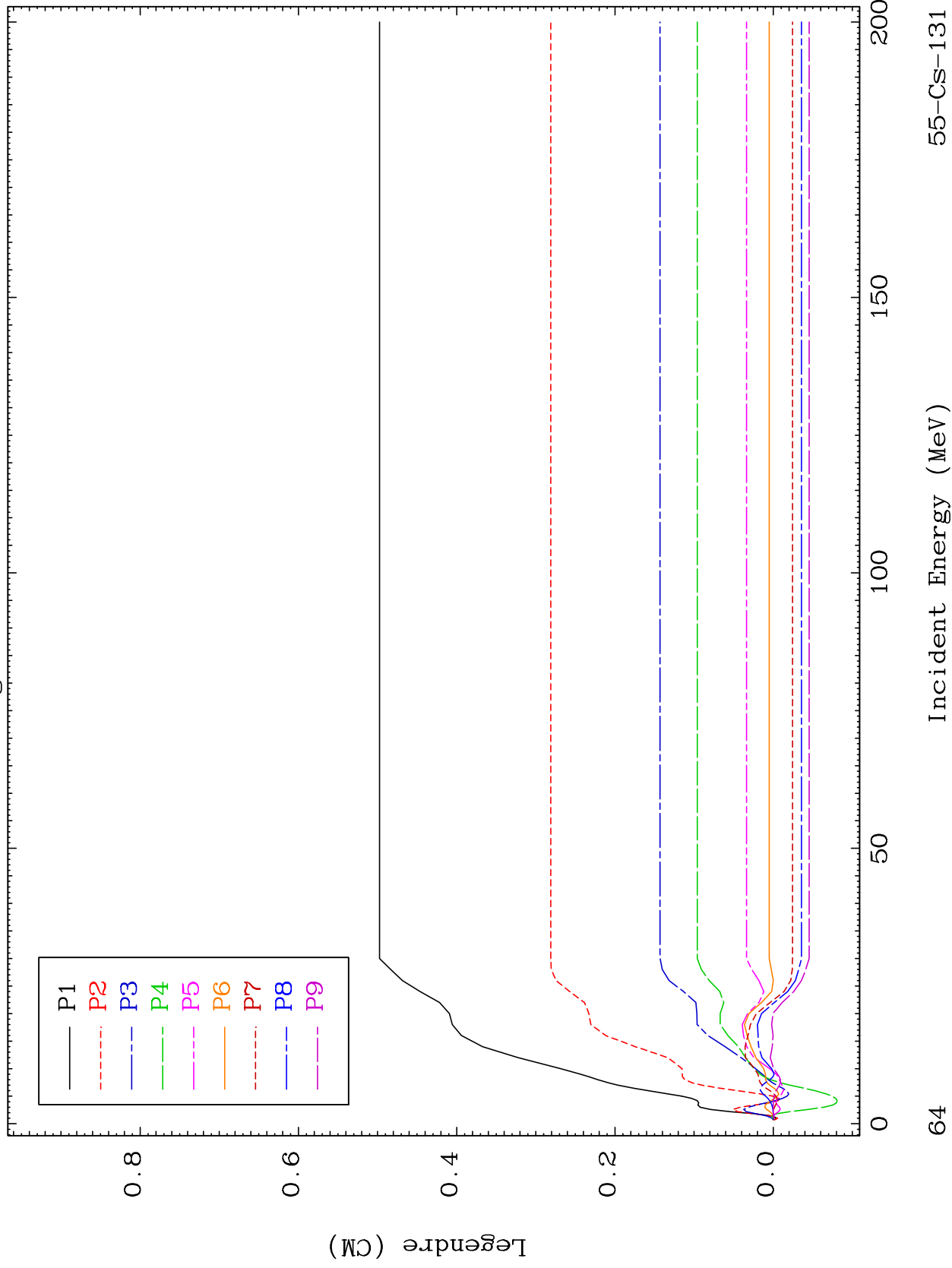




MAT 5519

657.6 keV (n,n') Level  
Legendre Coefficients

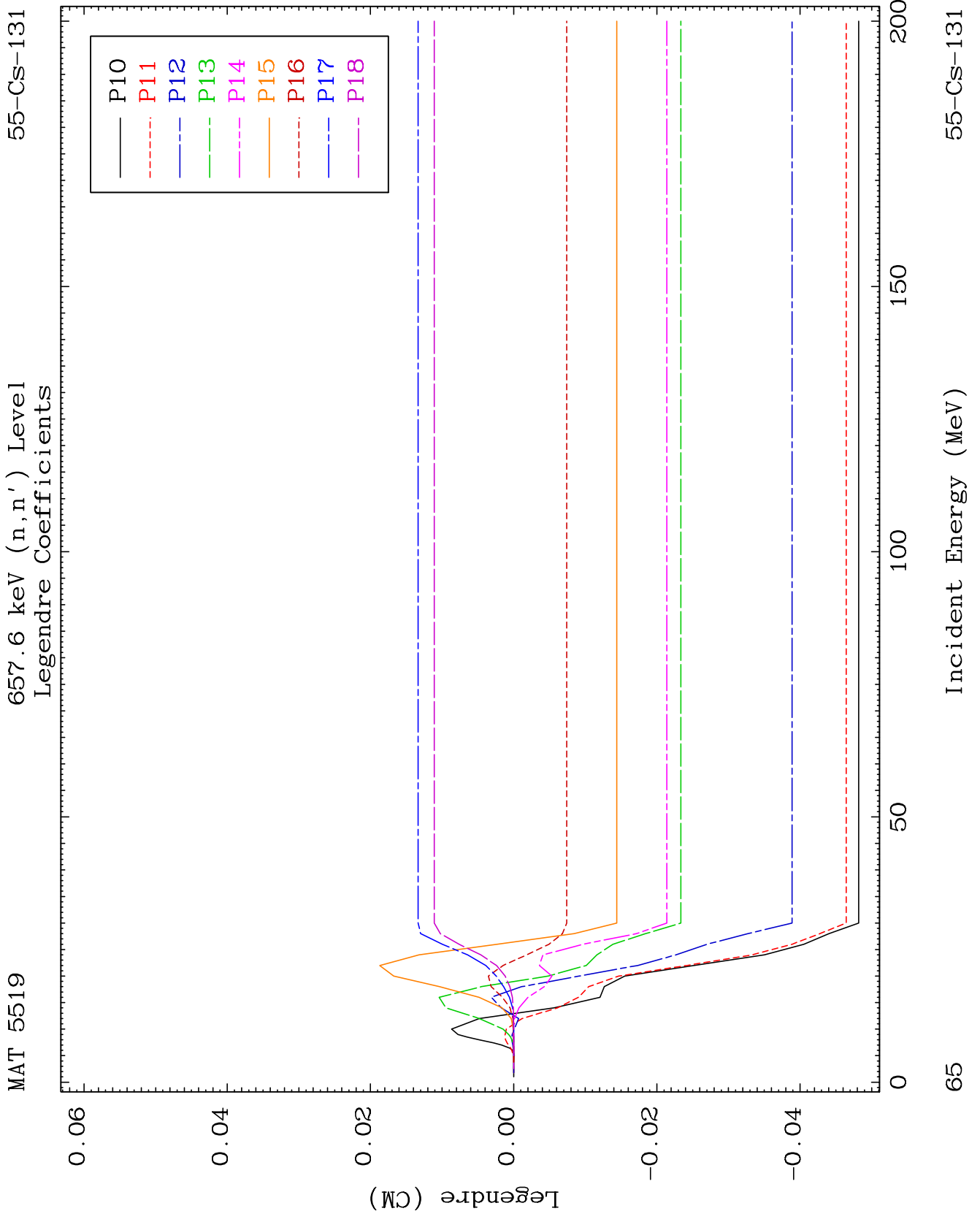
55-Cs-131

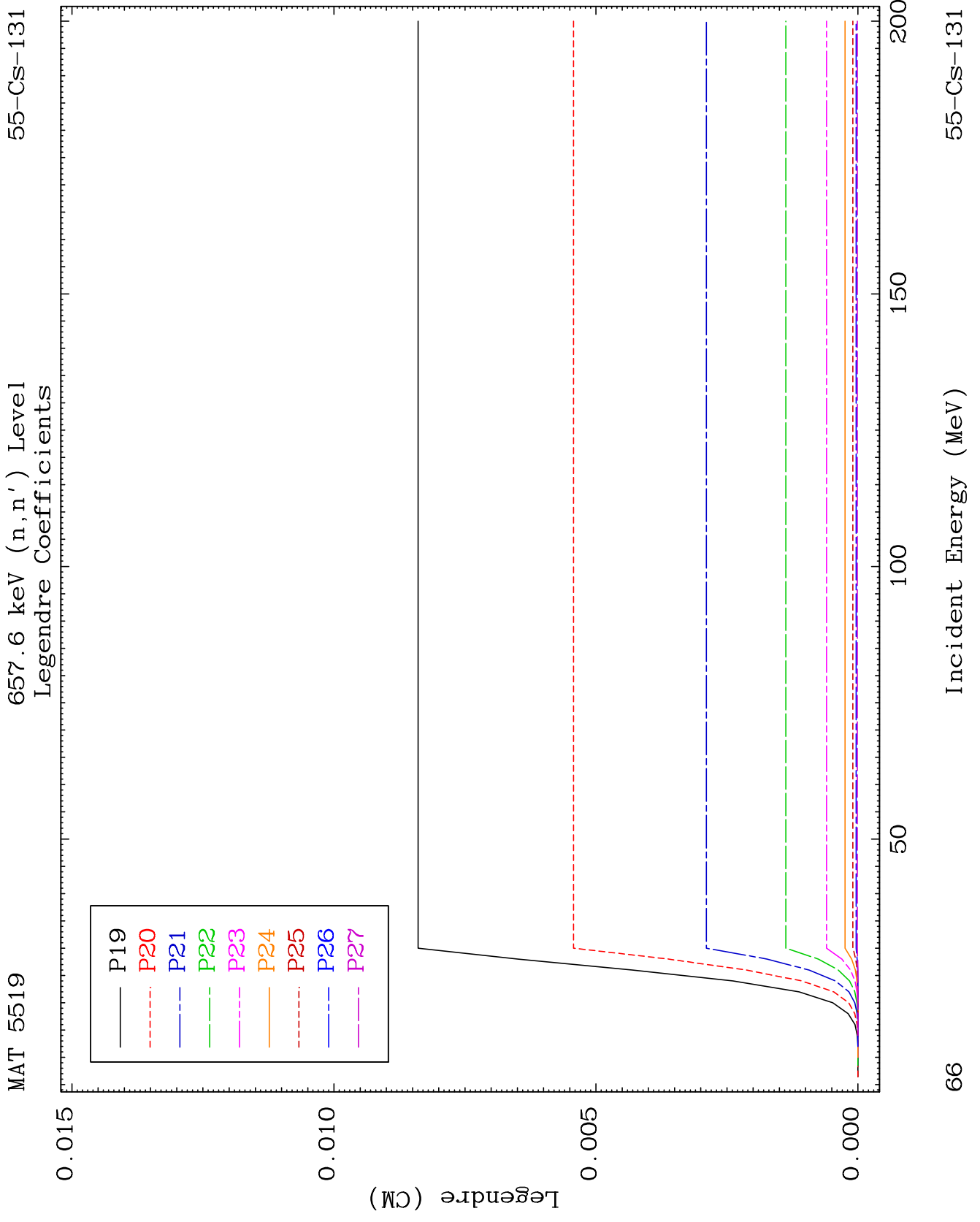


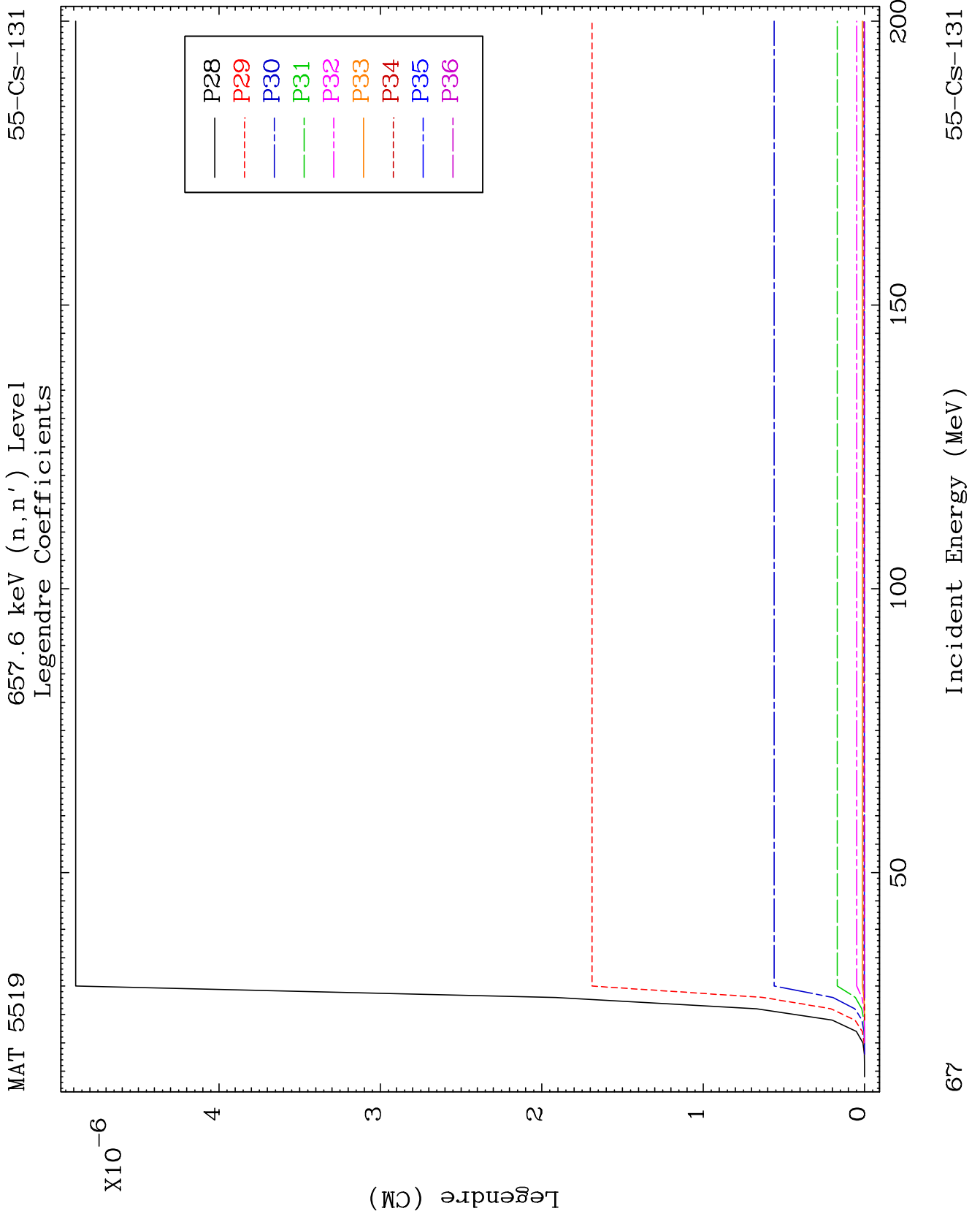
55-Cs-131

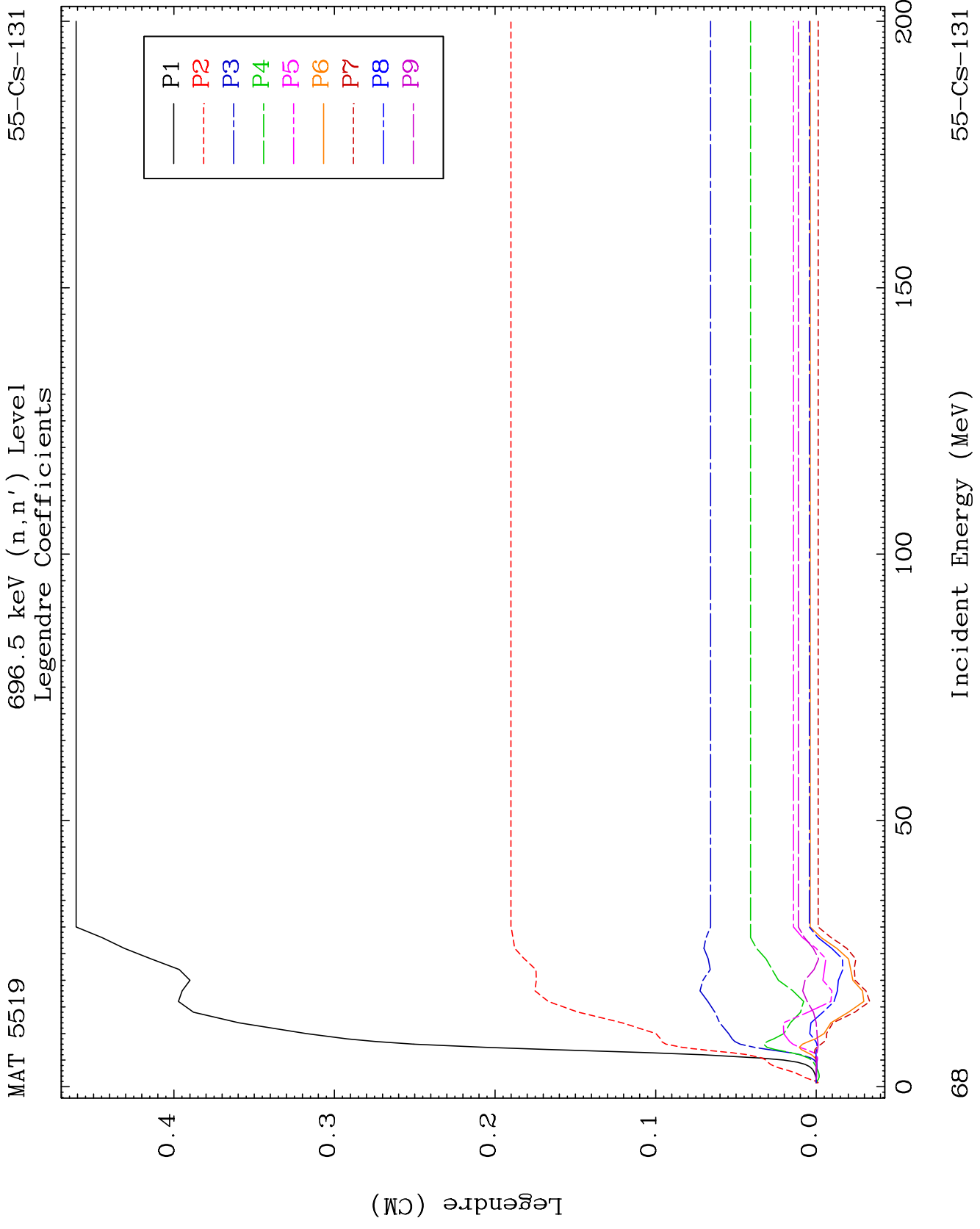
Incident Energy (MeV)

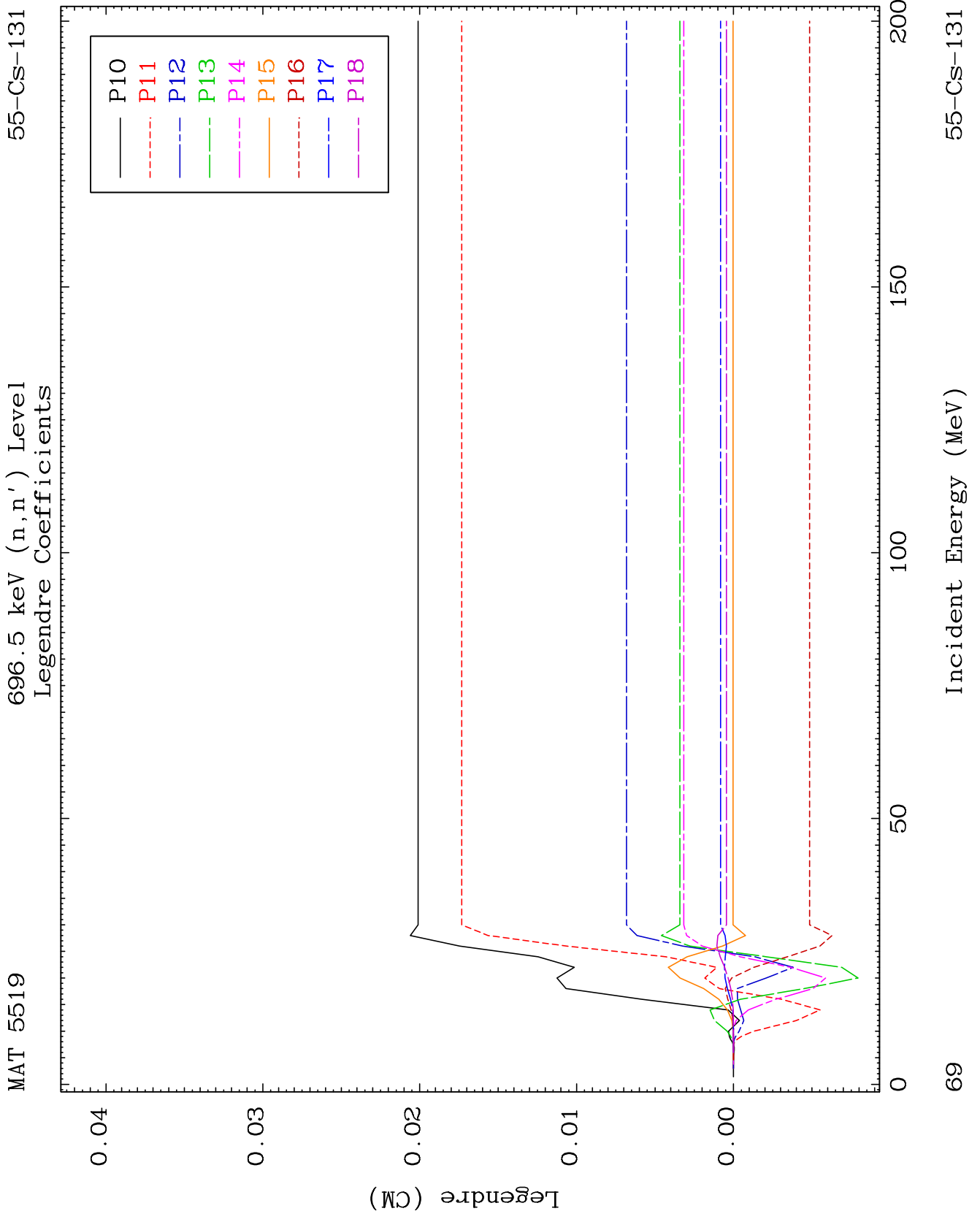
64







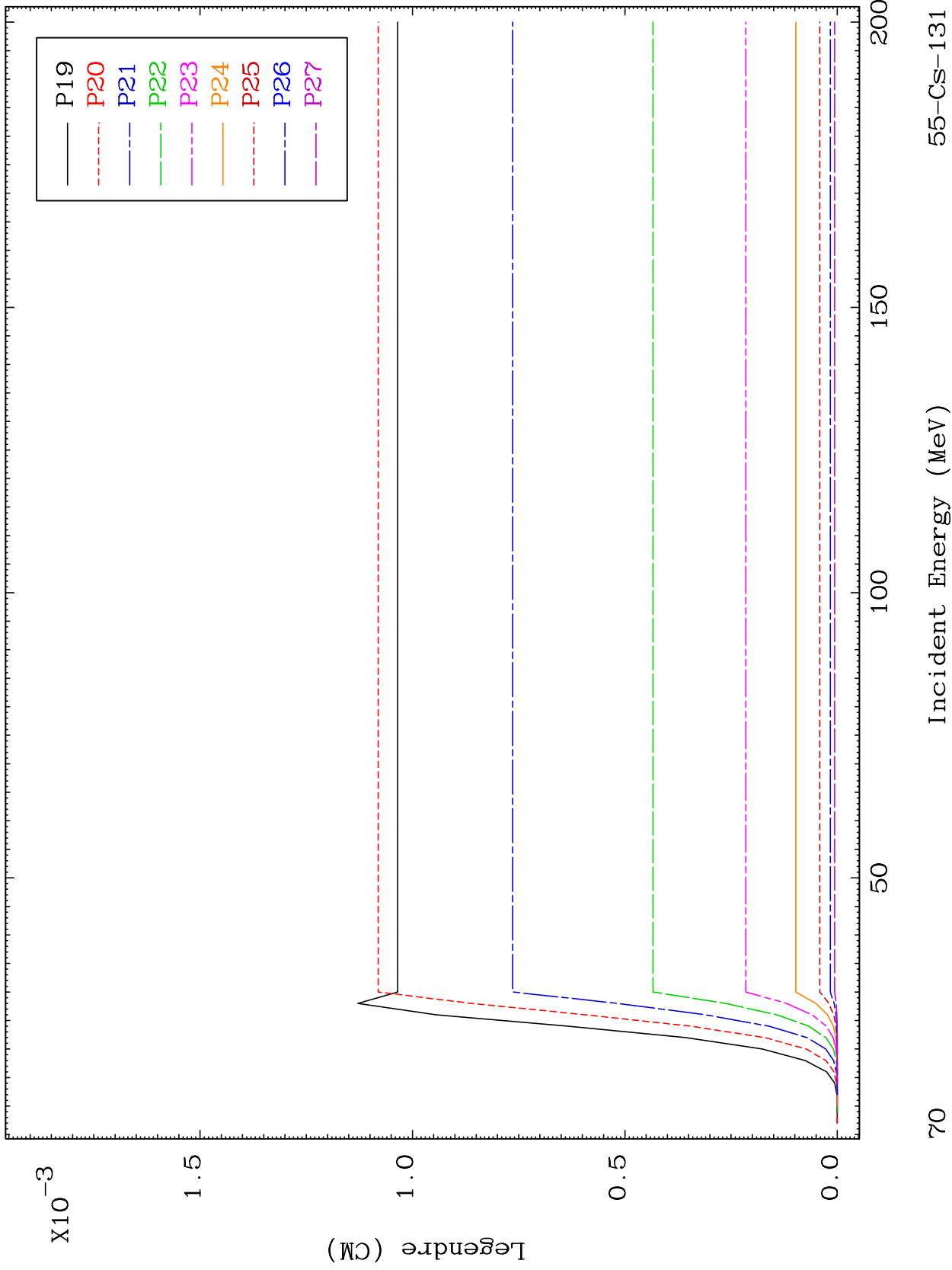




MAT 5519

696.5 keV (n,n') Level  
Legendre Coefficients

55-Cs-131



70

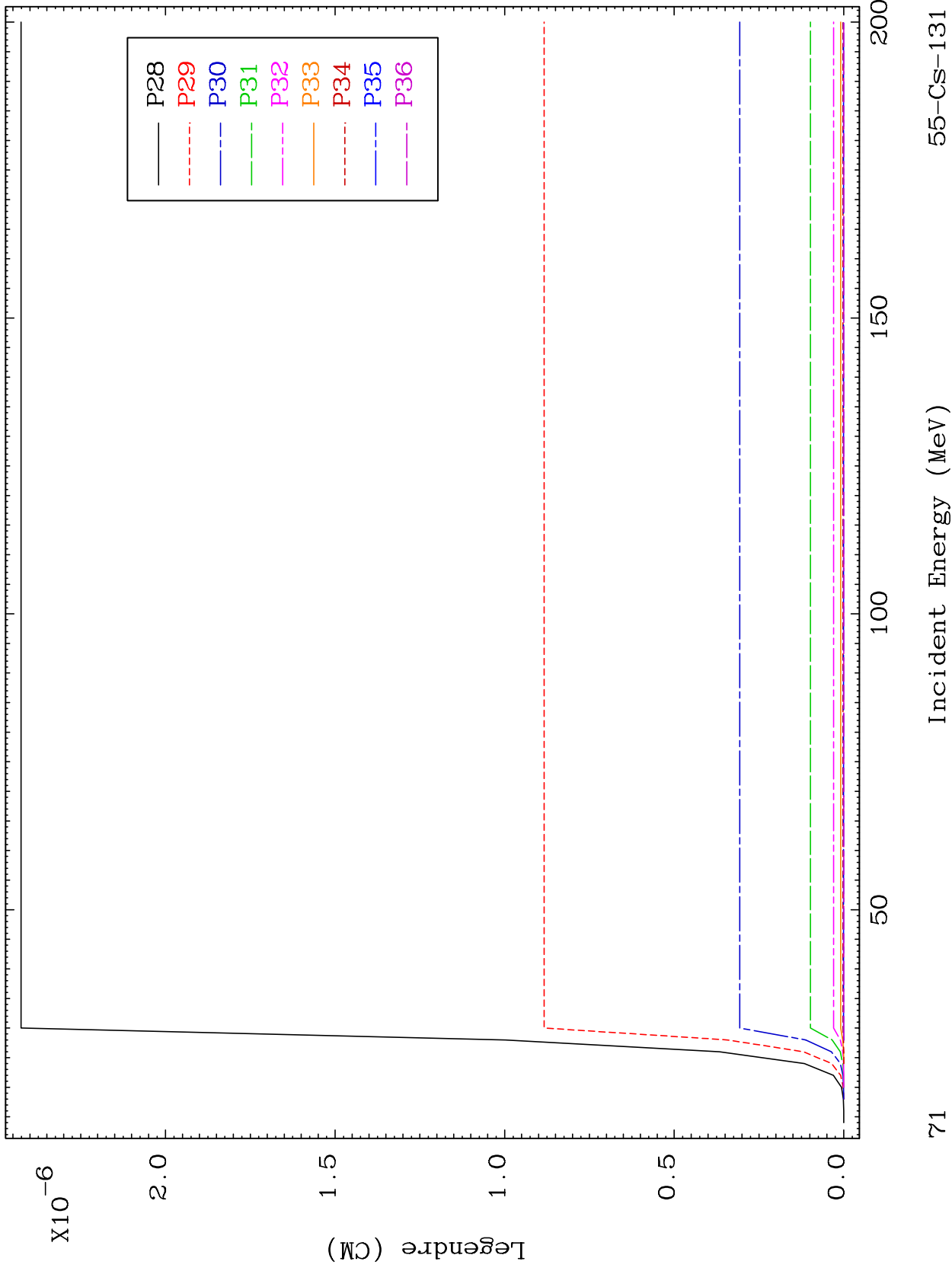
Incident Energy (MeV)

55-Cs-131

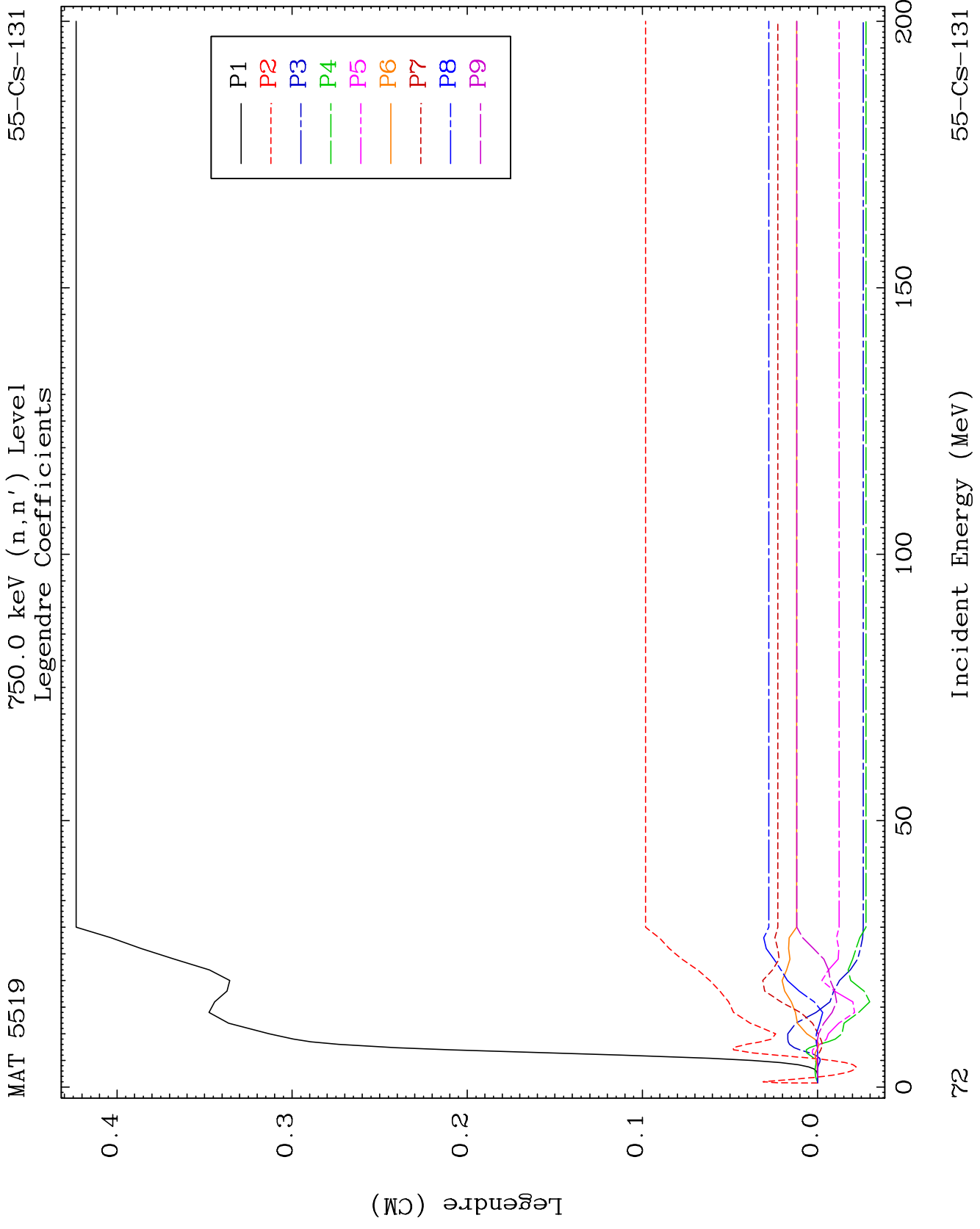
MAT 5519

696.5 keV (n,n') Level  
Legendre Coefficients

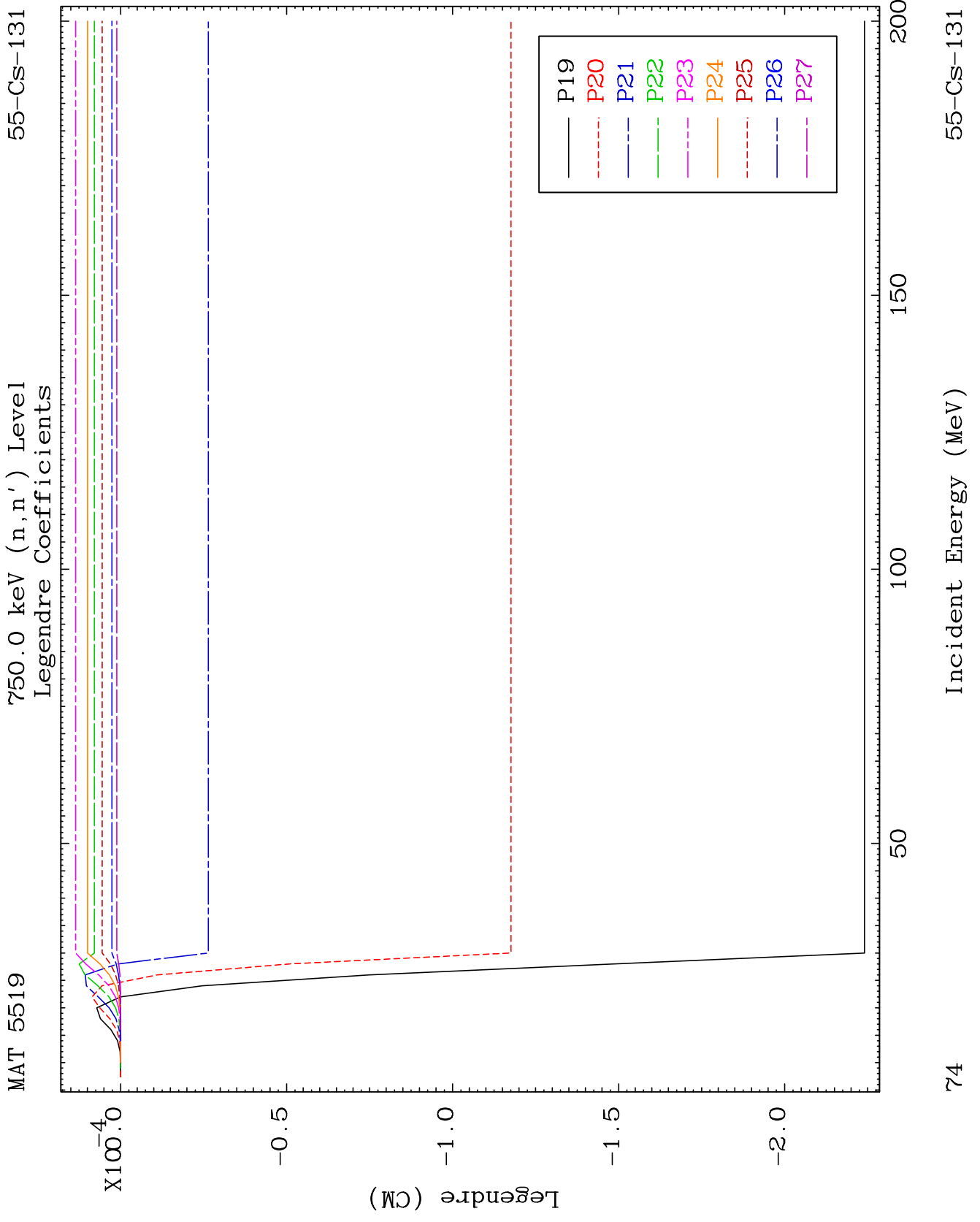
55-Cs-131

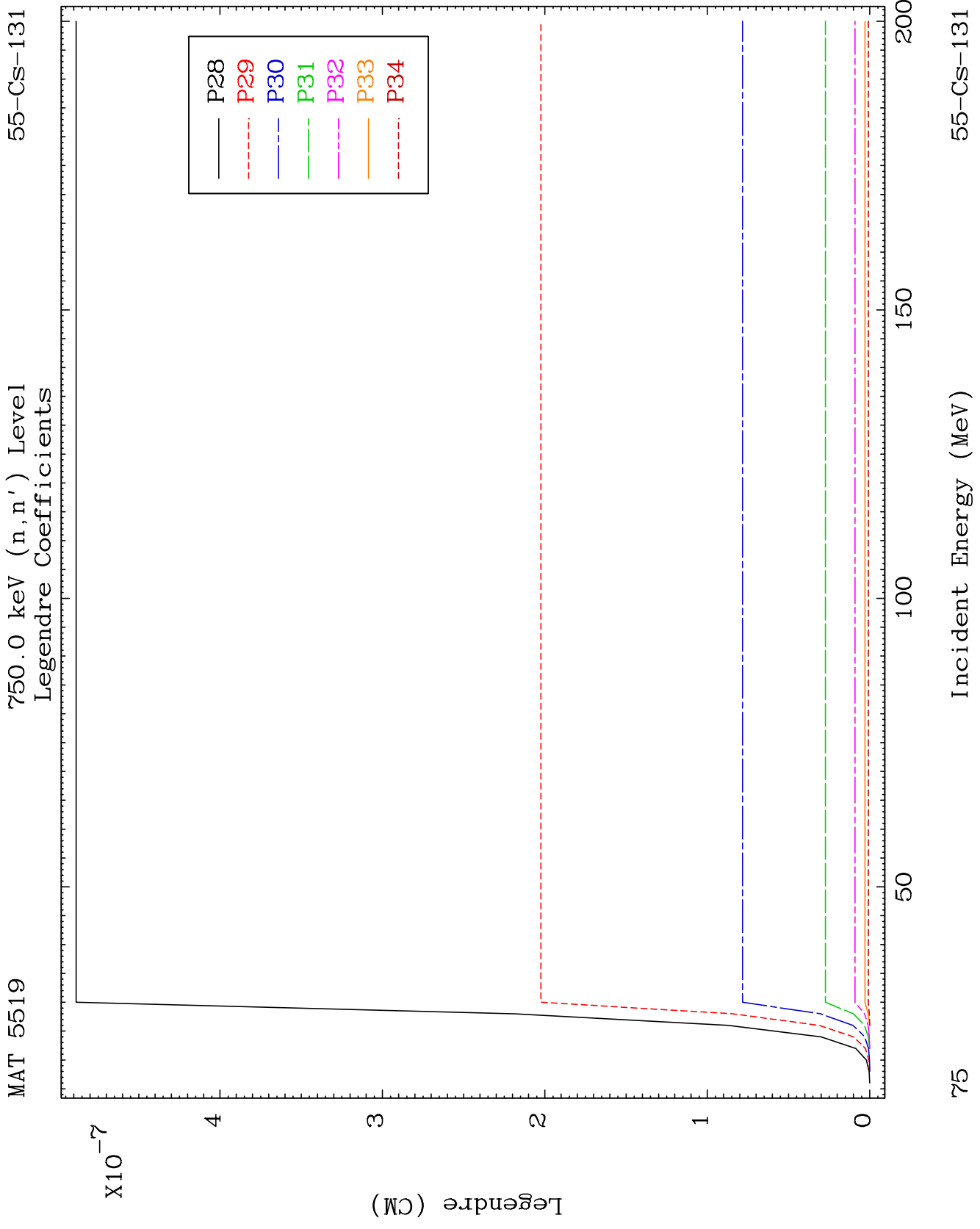


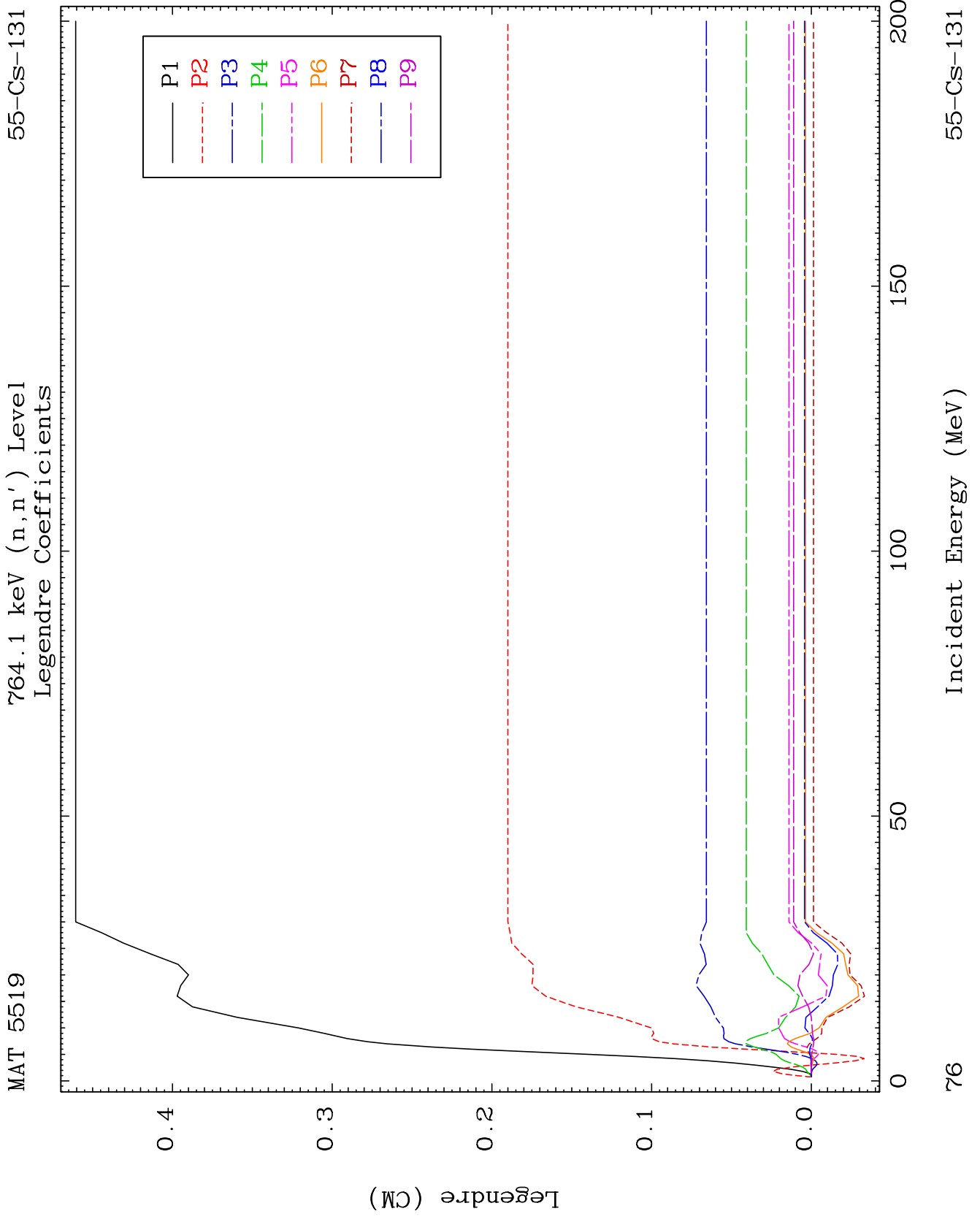








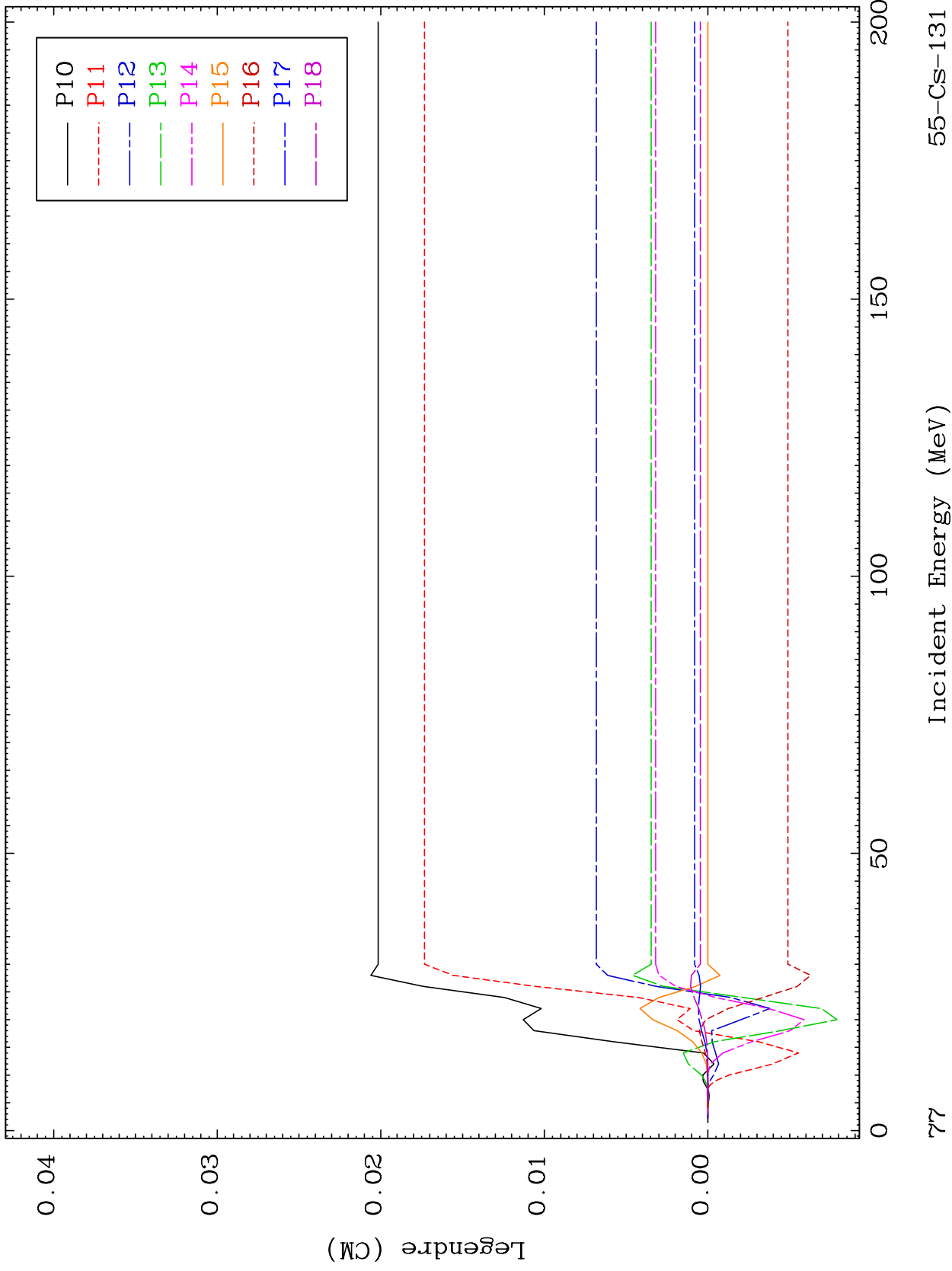




MAT 5519

764.1 keV (n,n') Level  
Legendre Coefficients

55-Cs-131



77

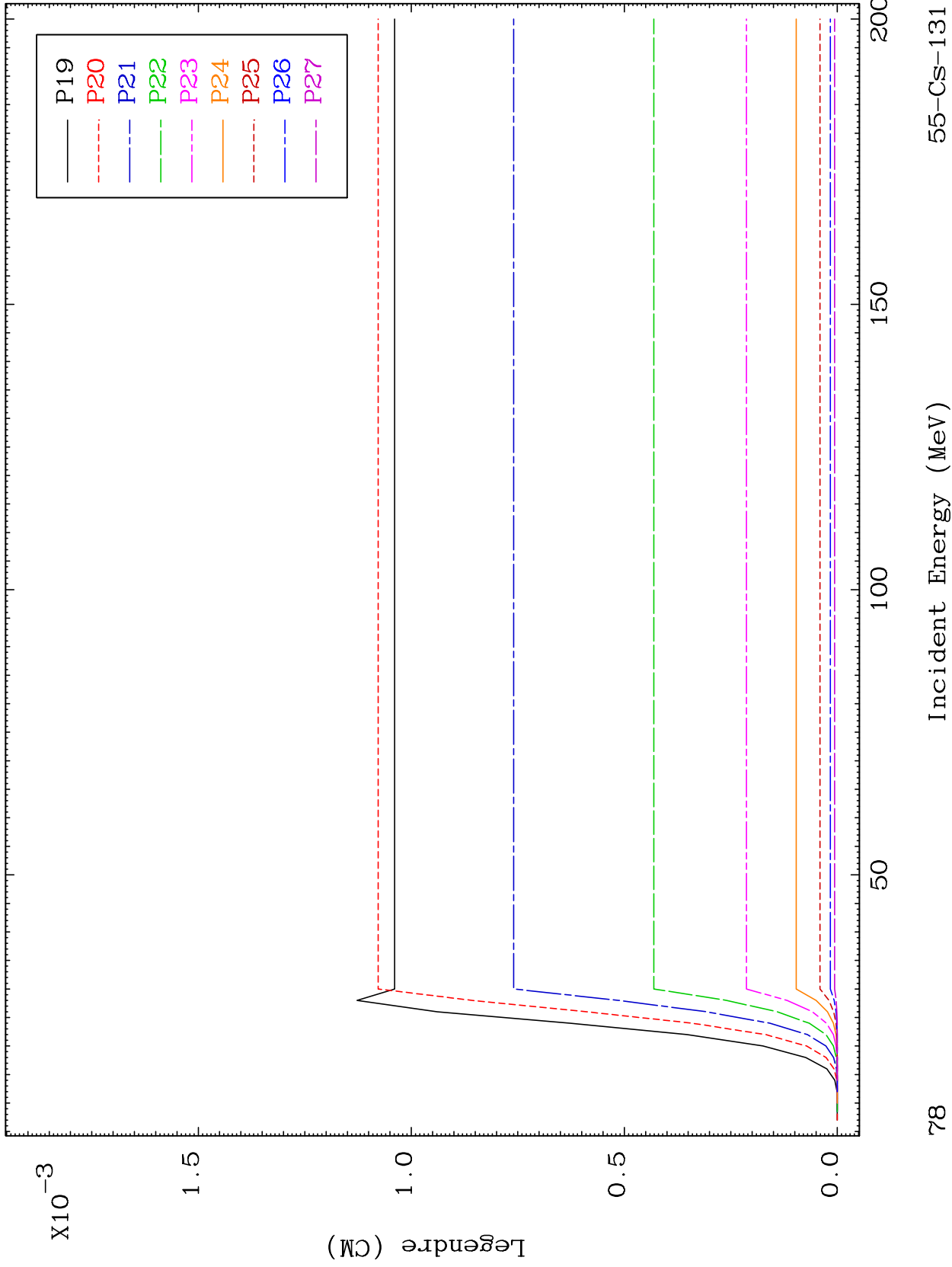
Incident Energy (MeV)

55-Cs-131

MAT 5519

764.1 keV (n,n') Level  
Legendre Coefficients

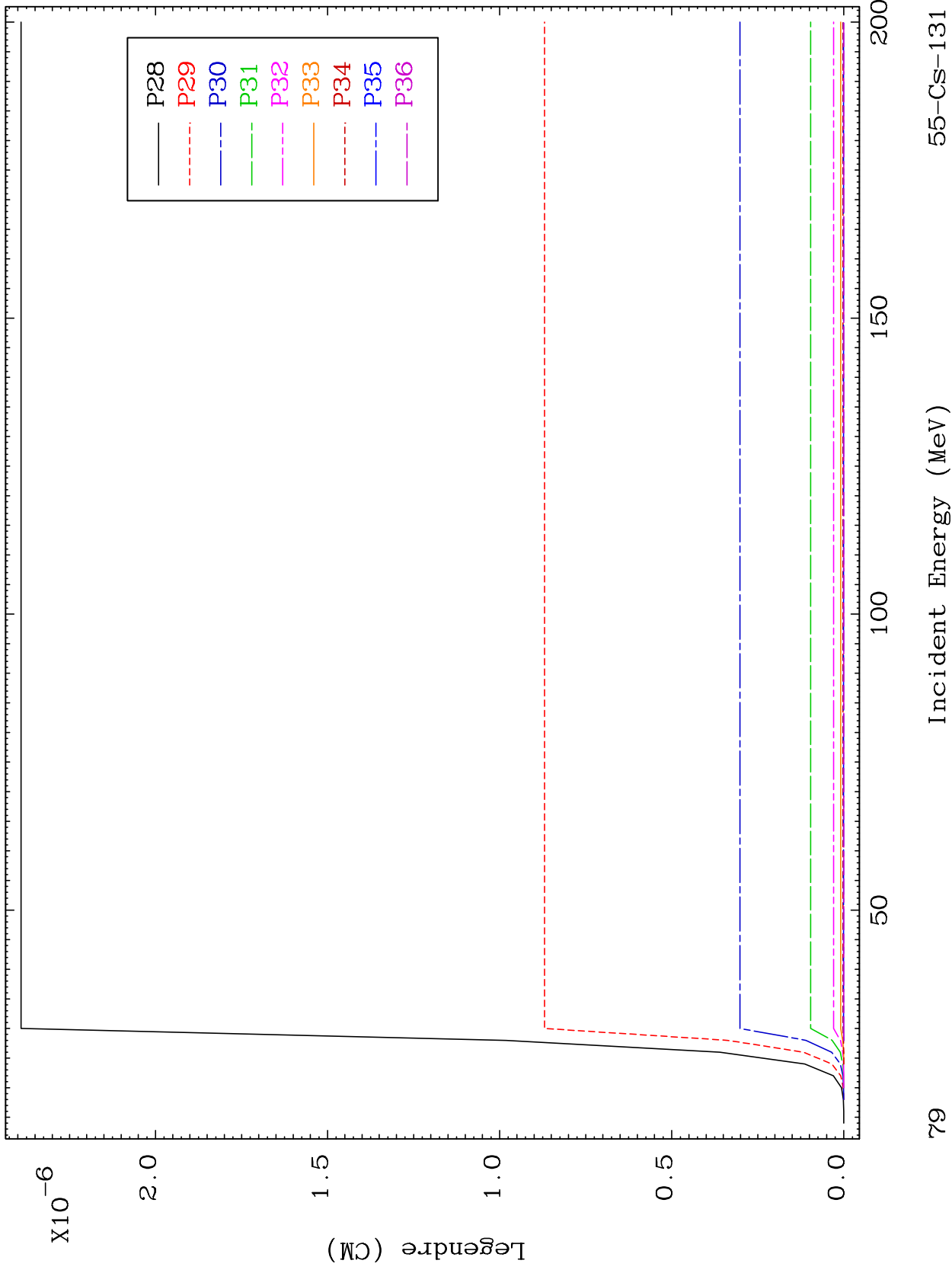
55-Cs-131



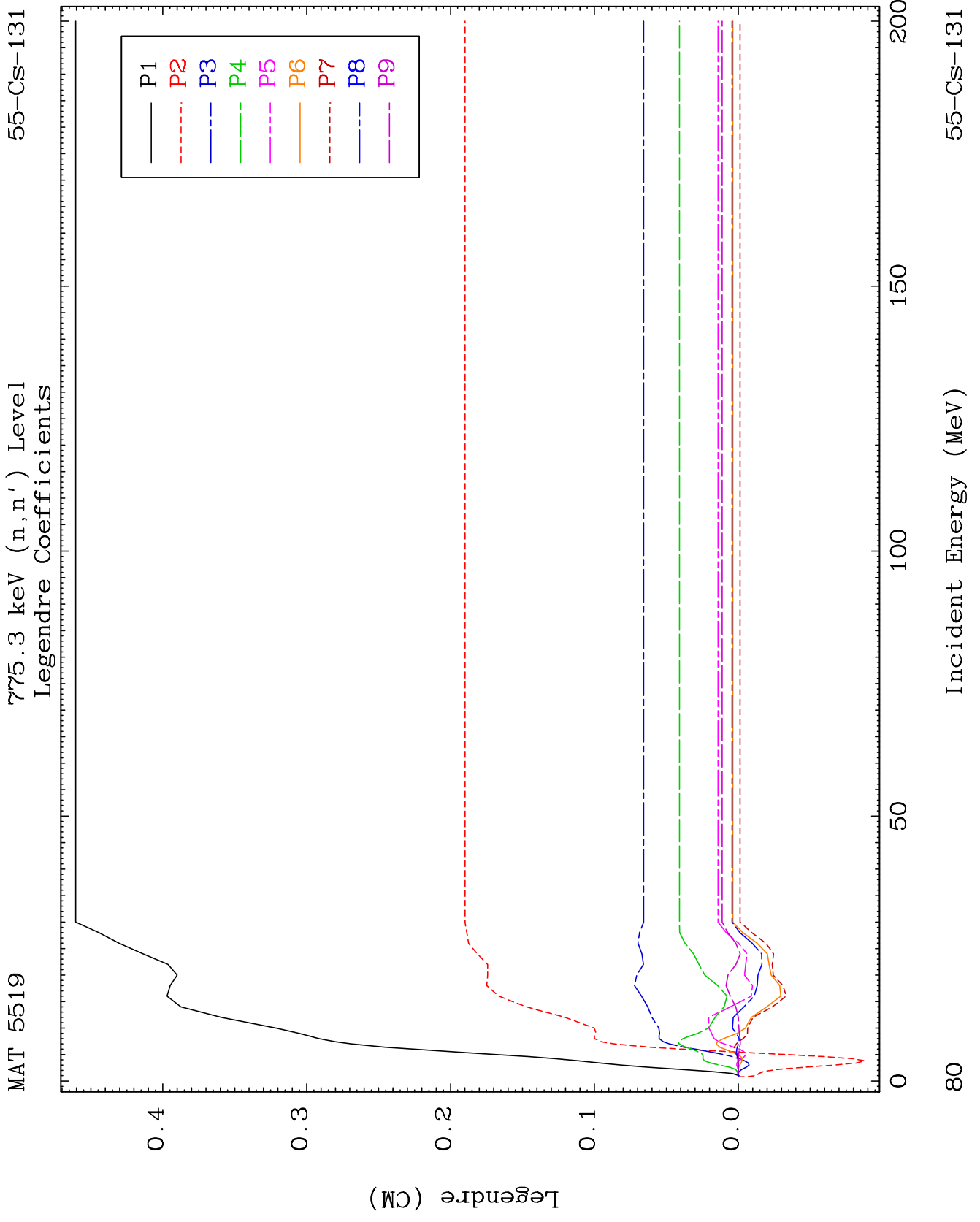
MAT 5519

764.1 keV (n,n') Level  
Legendre Coefficients

55-Cs-131



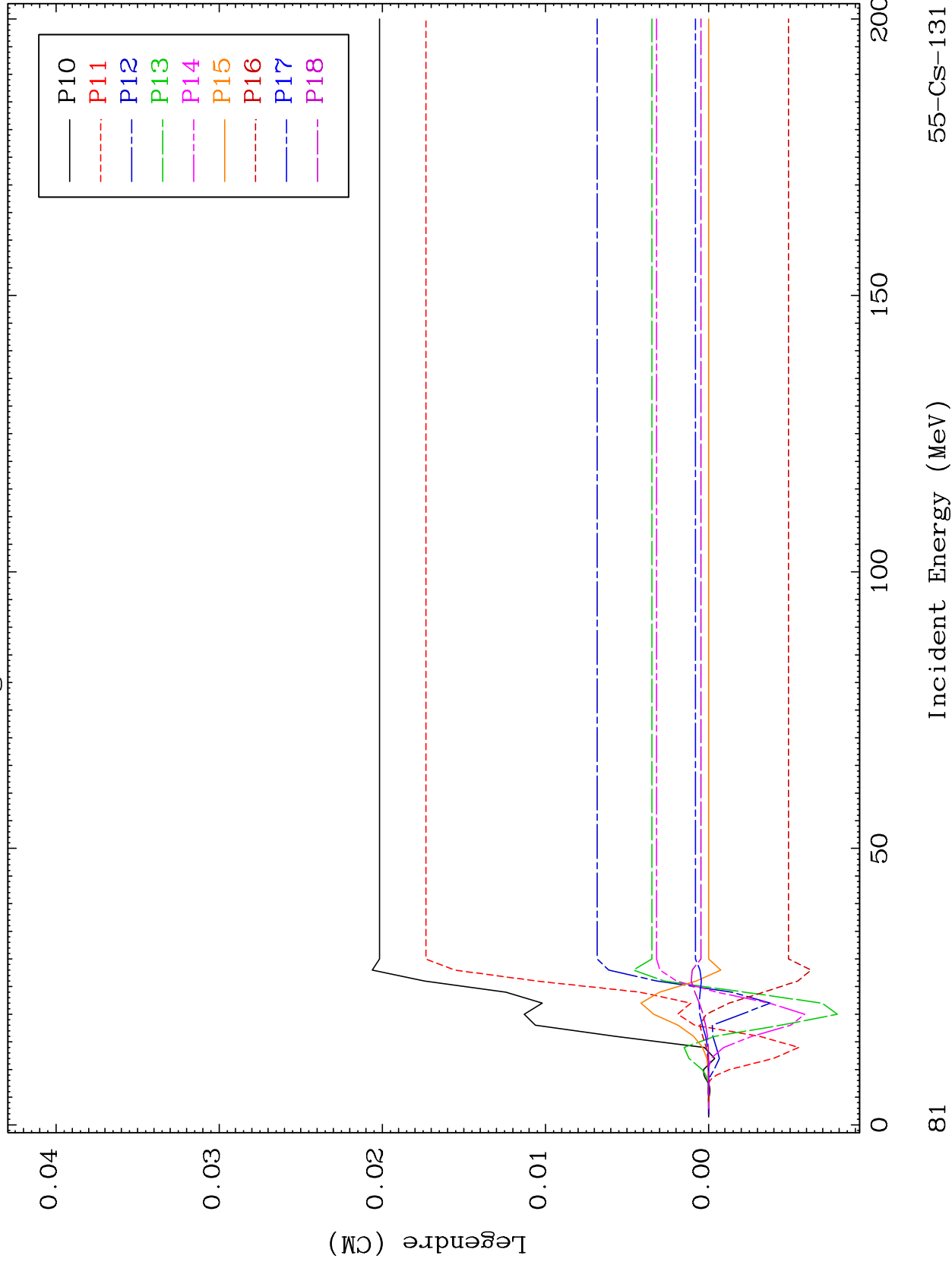




MAT 5519

775.3 keV (n,n') Level  
Legendre Coefficients

55-Cs-131



81

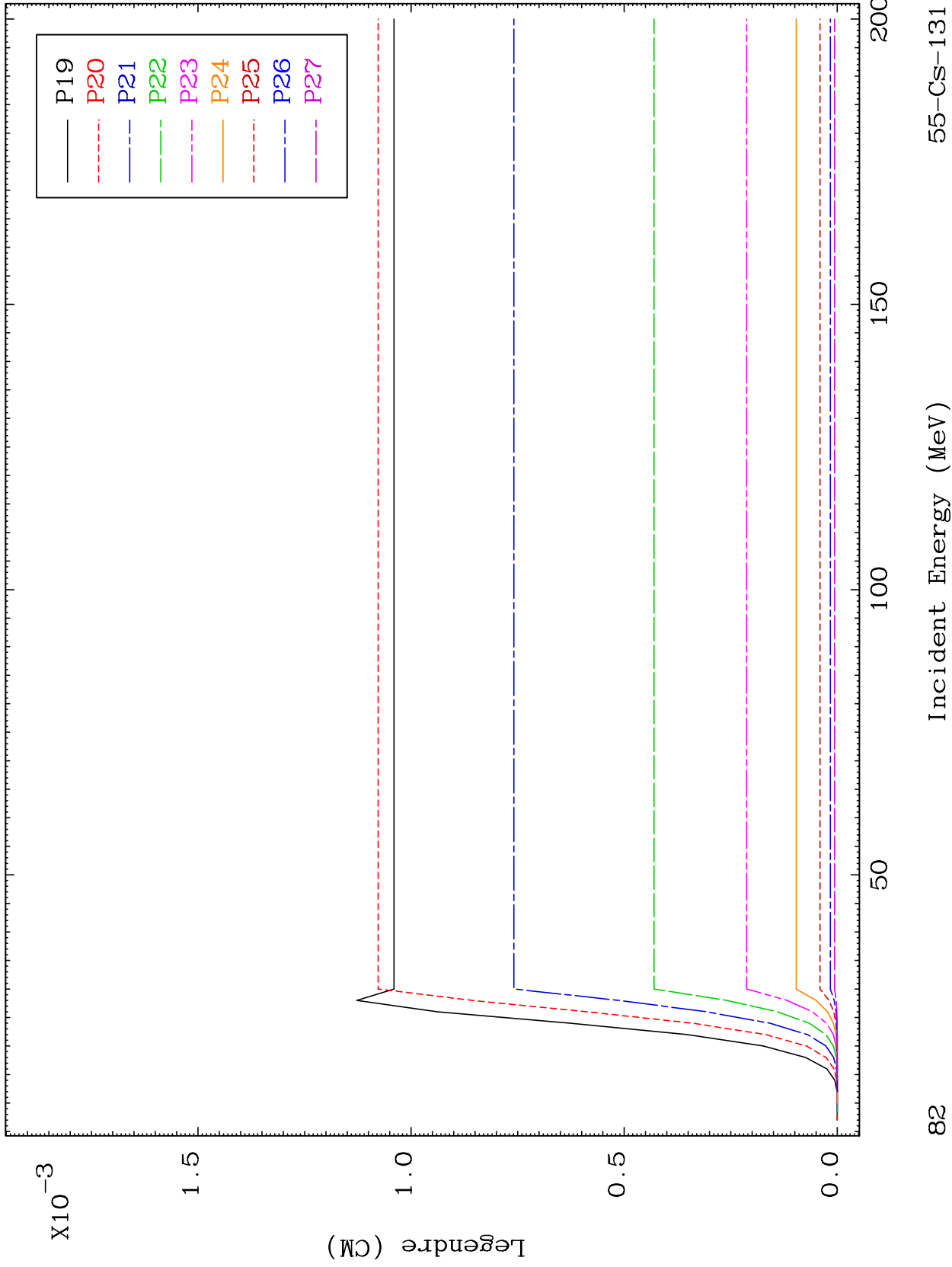
Incident Energy (MeV)

55-Cs-131

MAT 5519

775.3 keV (n,n') Level  
Legendre Coefficients

55-Cs-131



82

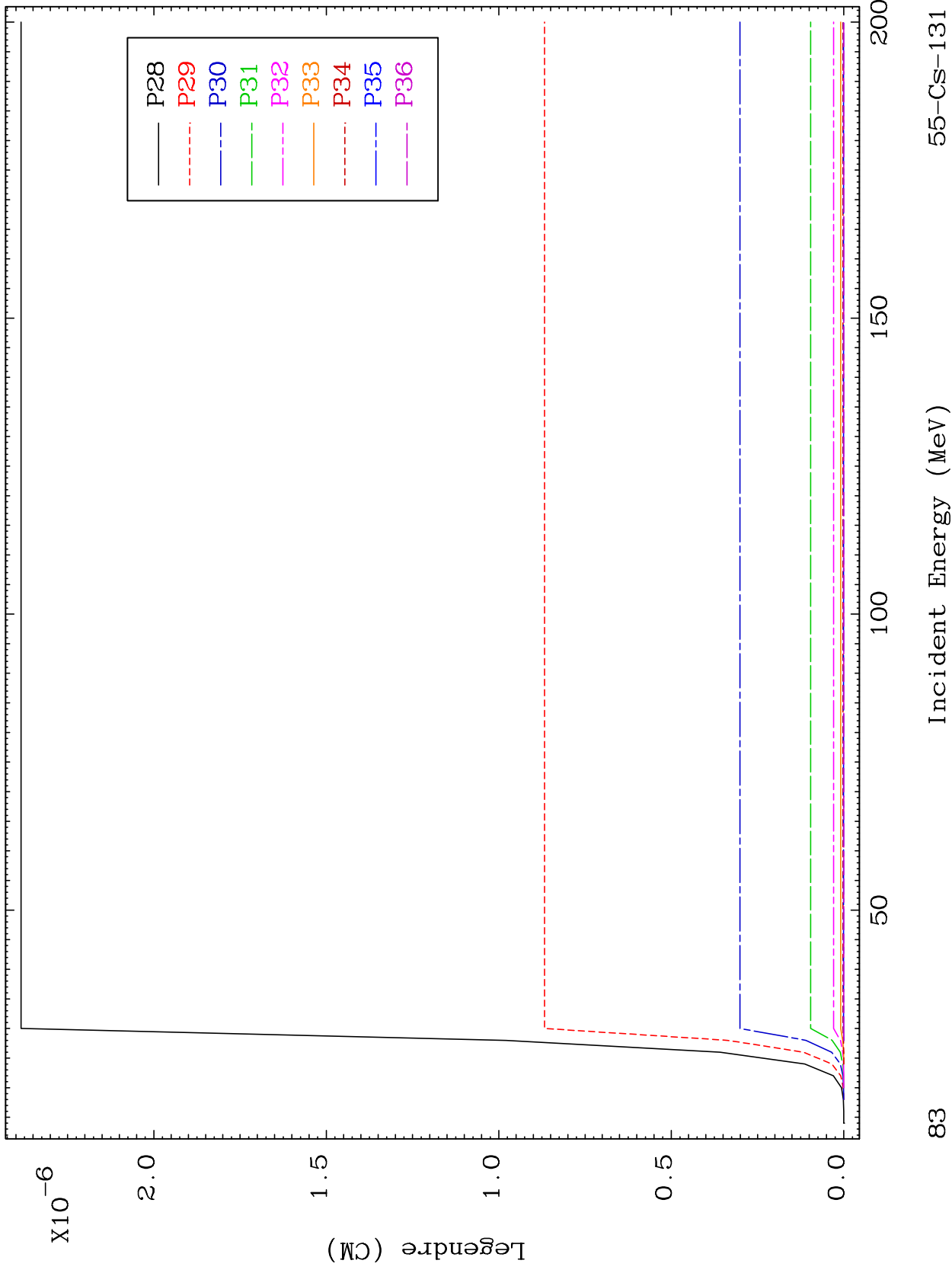
Incident Energy (MeV)

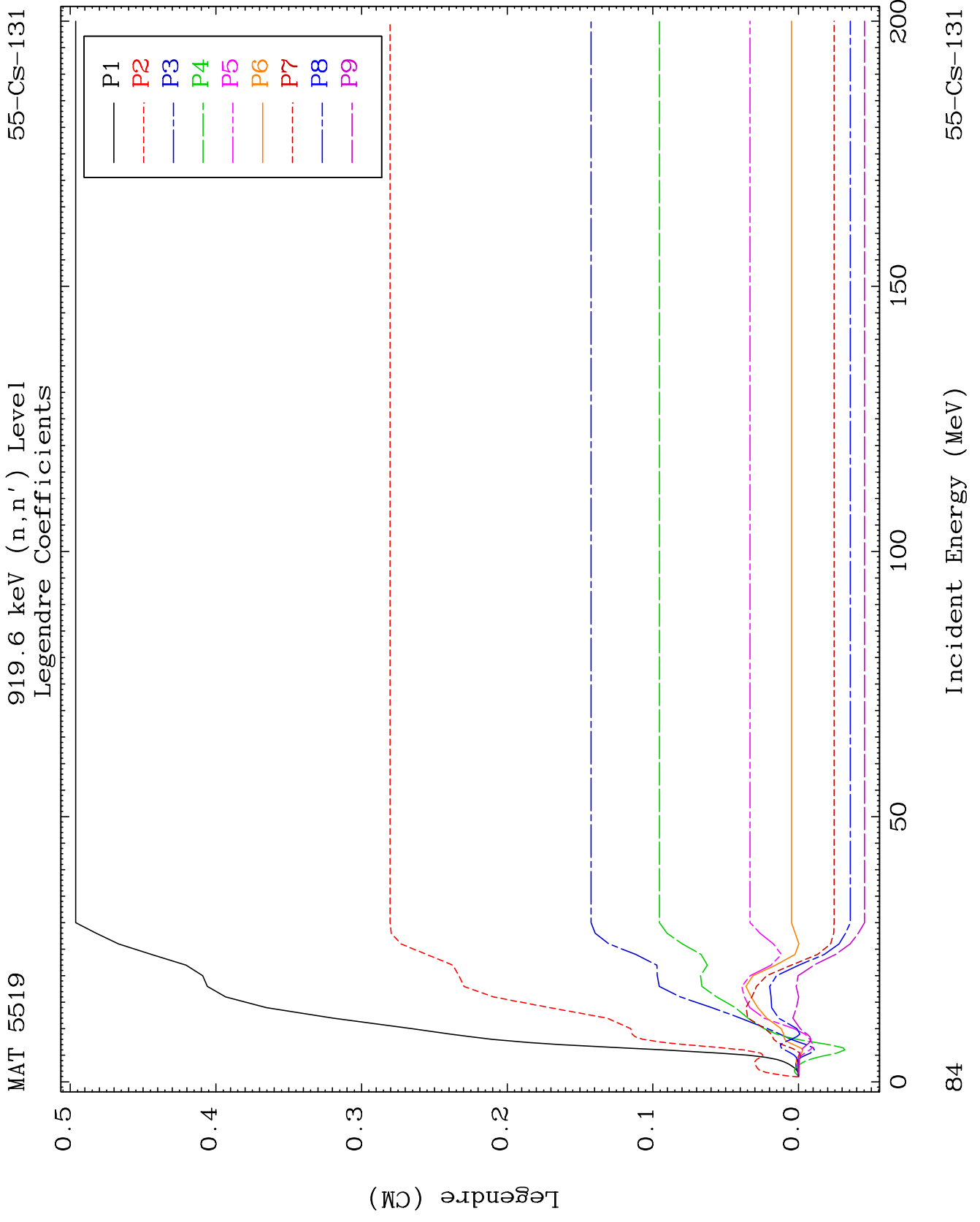
55-Cs-131

MAT 5519

775.3 keV (n, n') Level  
Legendre Coefficients

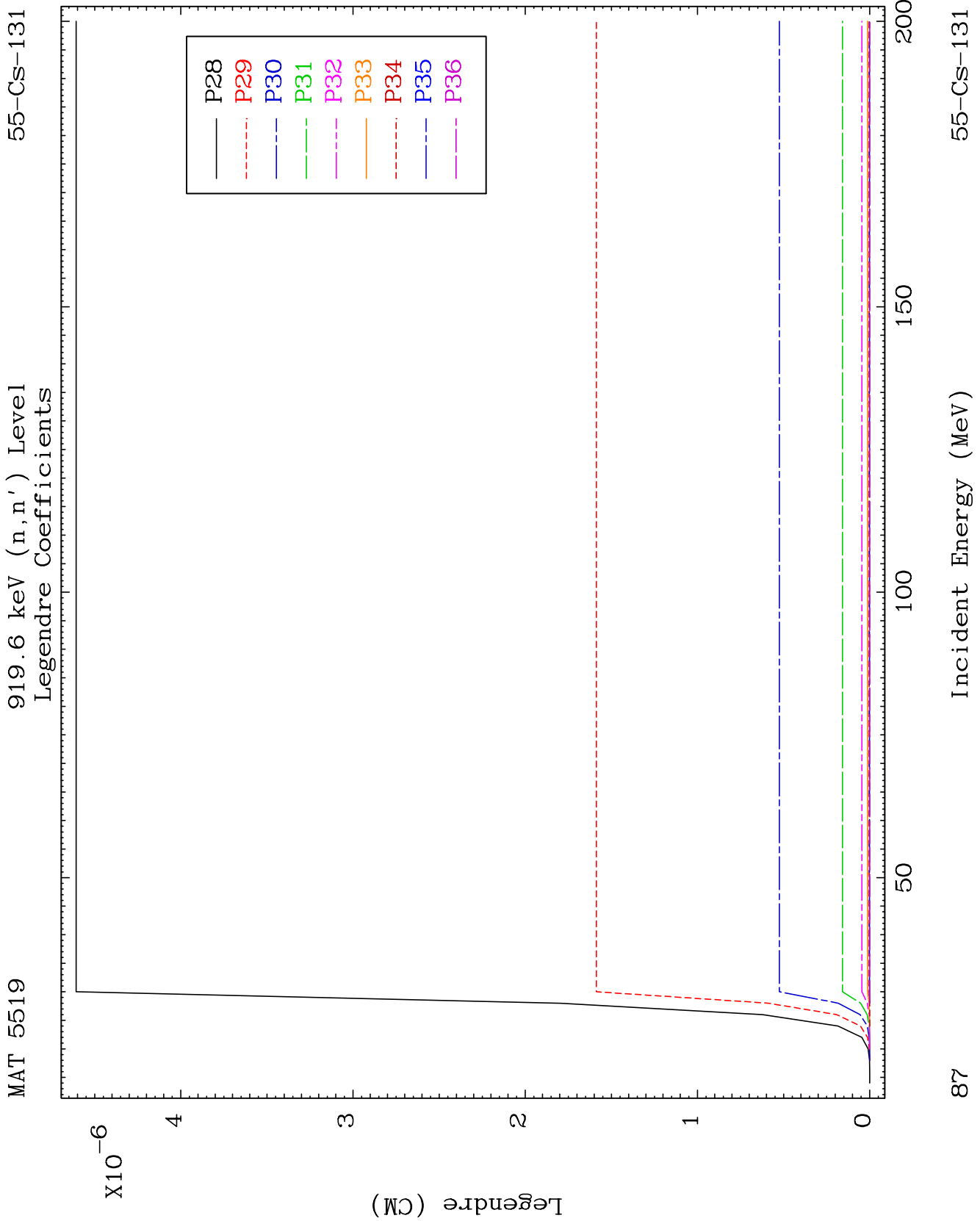
55-Cs-131



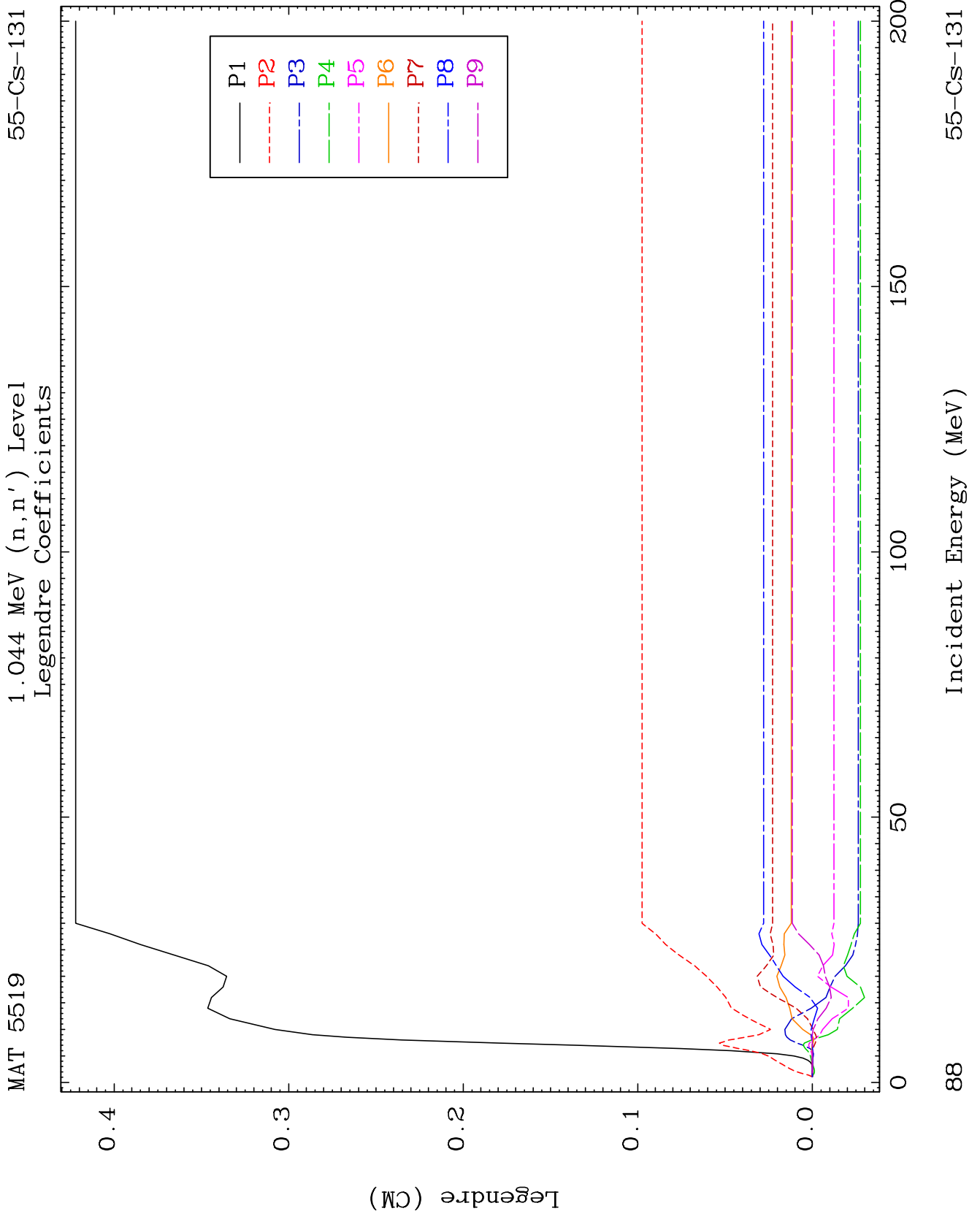


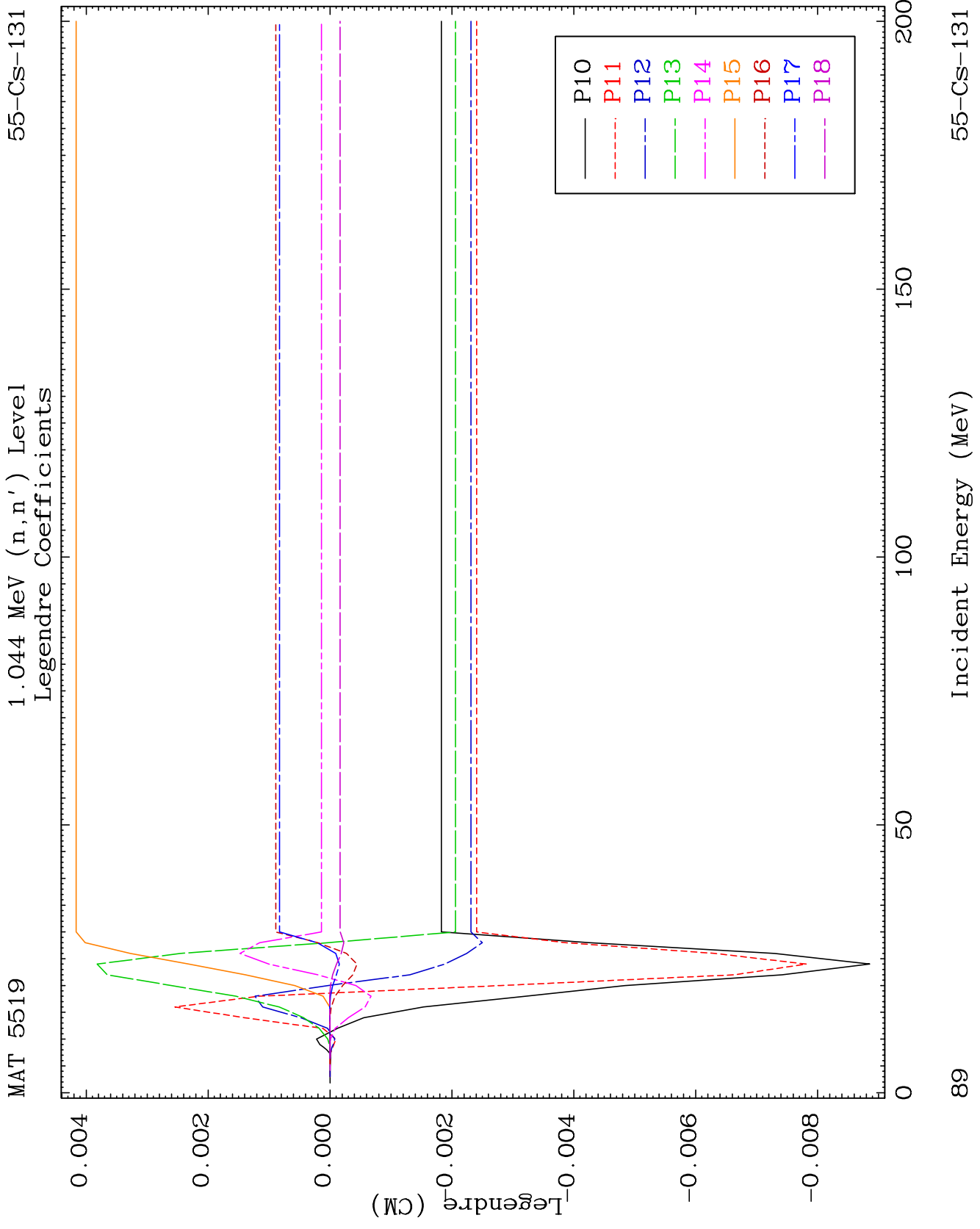


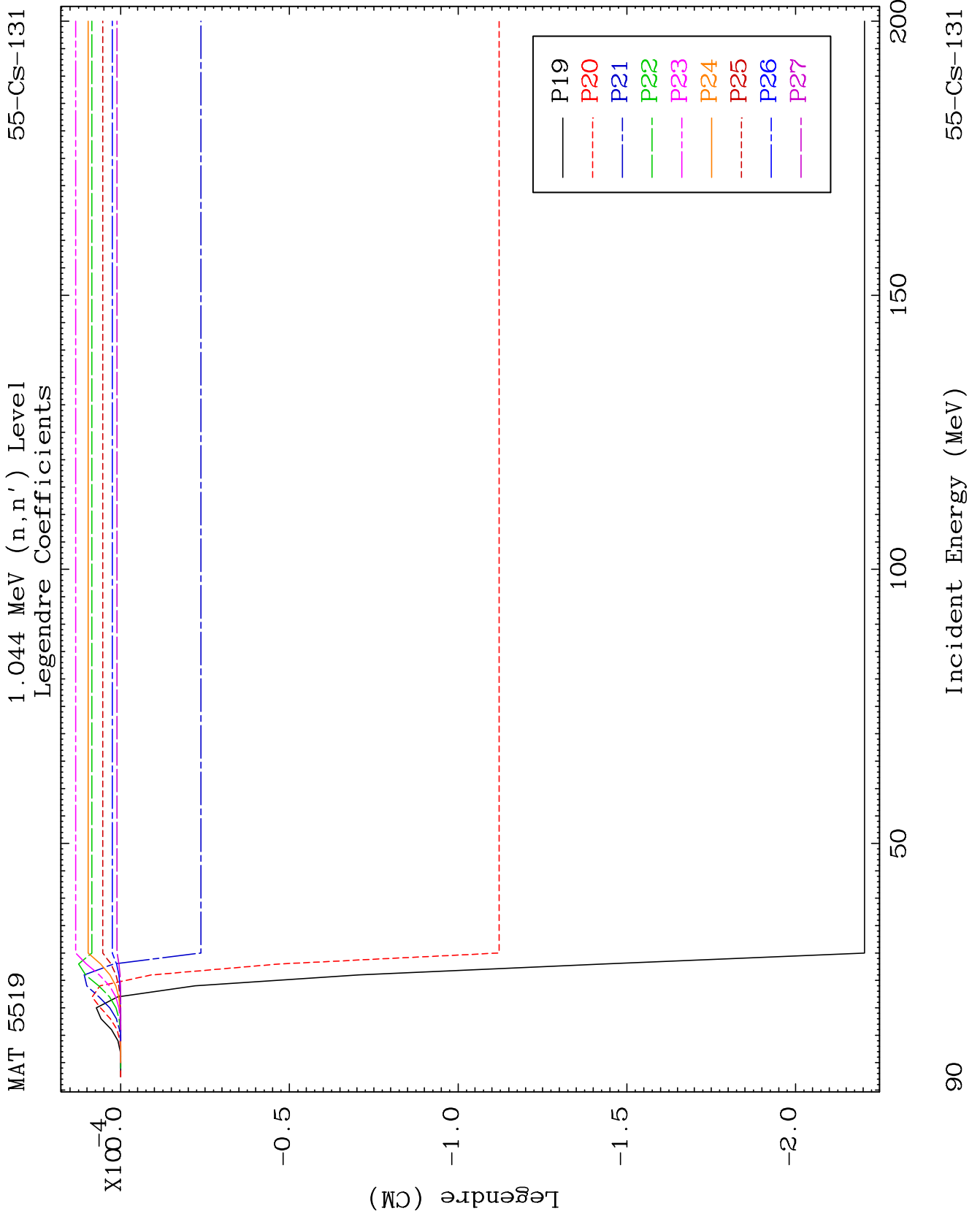








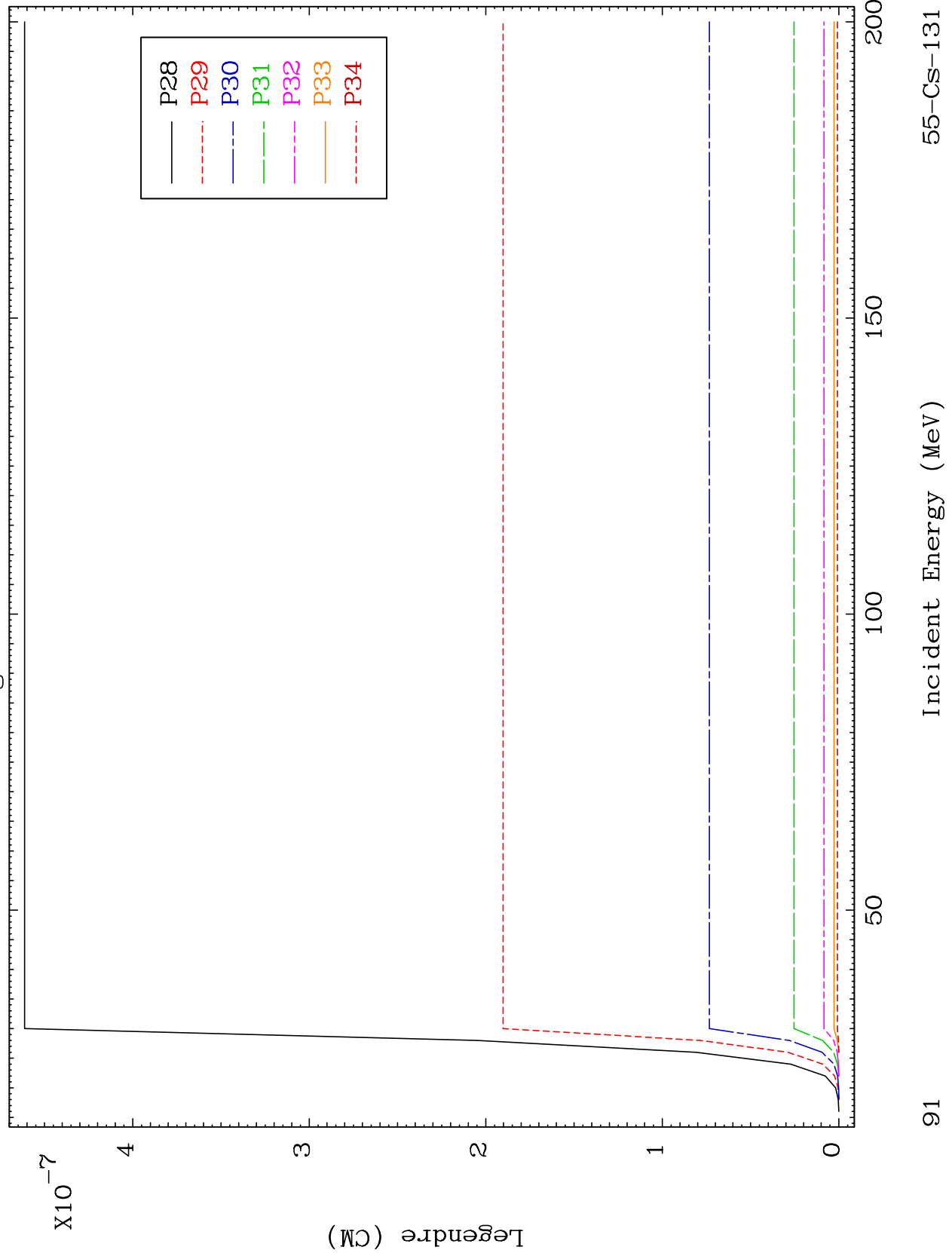




MAT 5519

1.044 MeV (n,n') Level  
Legendre Coefficients

55-Cs-131



91

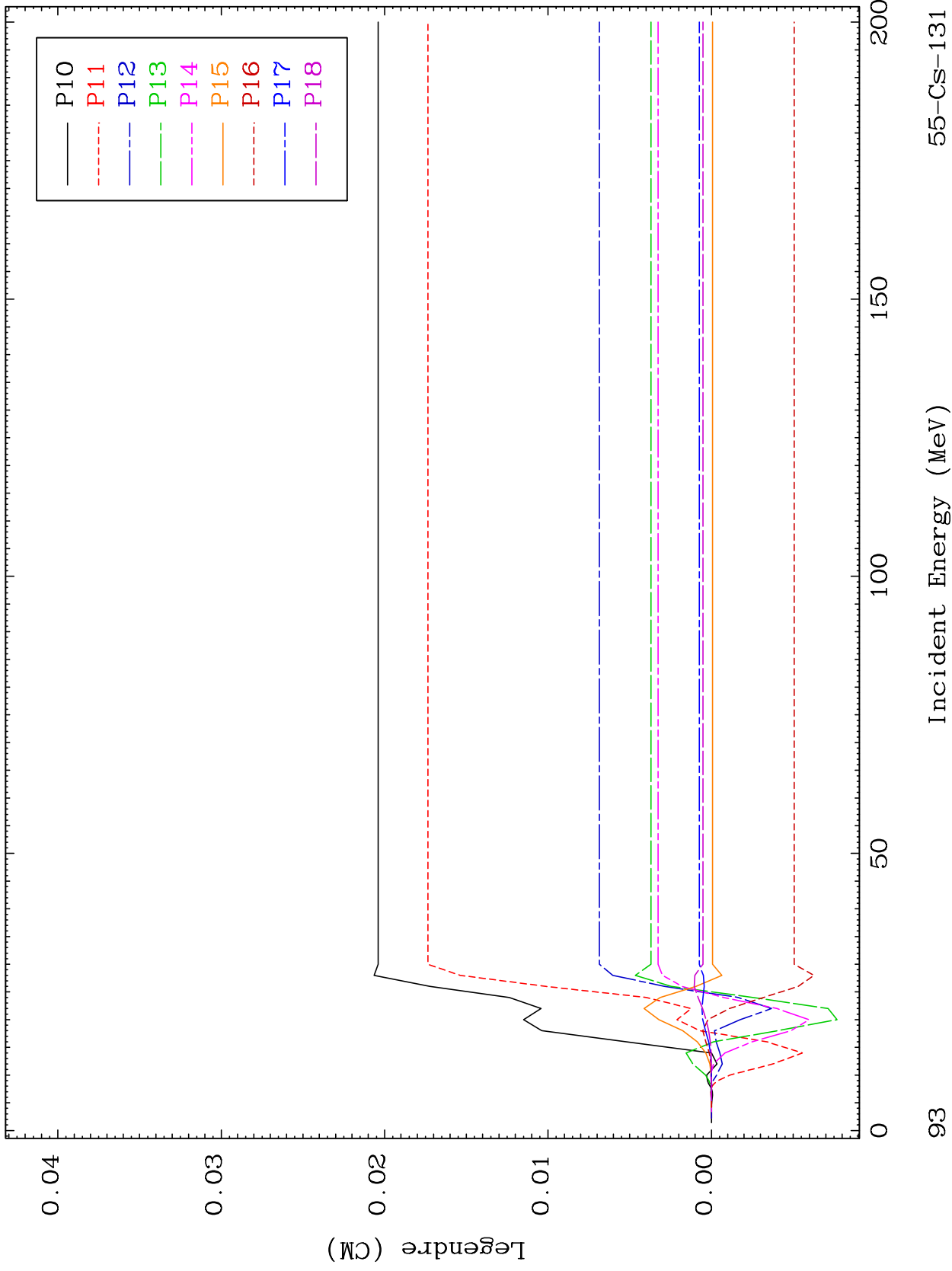
55-Cs-131



MAT 5519

1.048 MeV (n,n') Level  
Legendre Coefficients

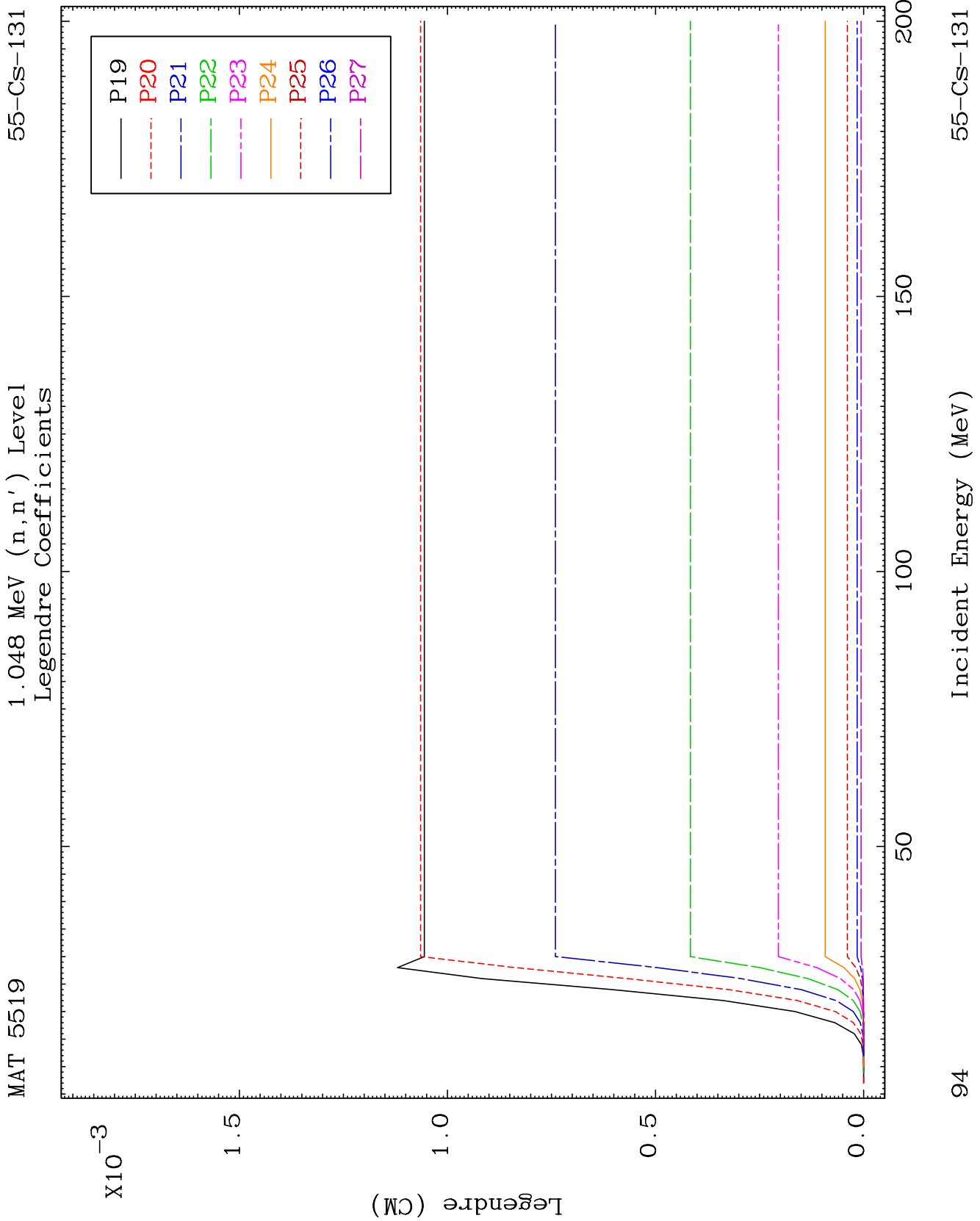
55-Cs-131

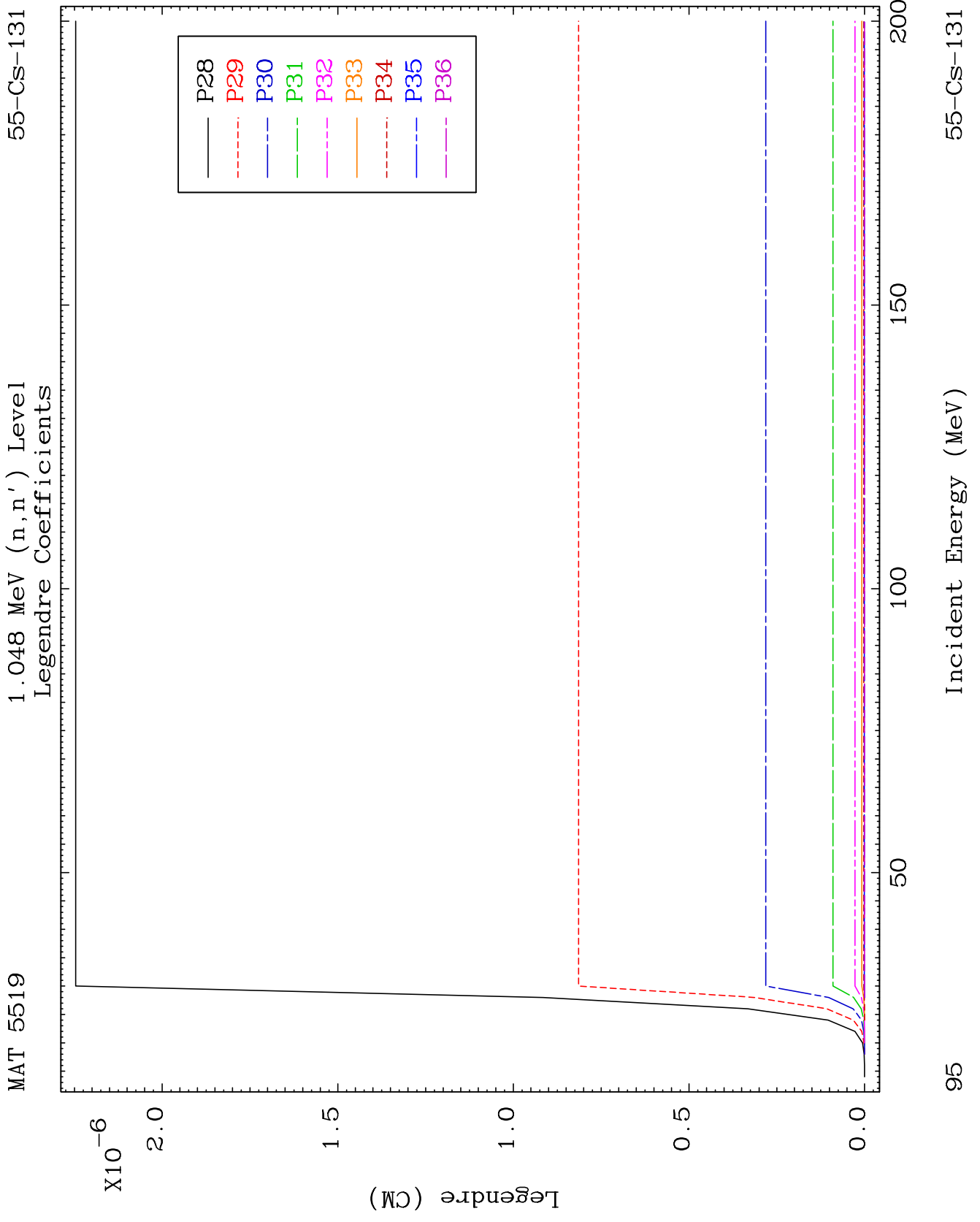


93

Incident Energy (MeV)

55-Cs-131



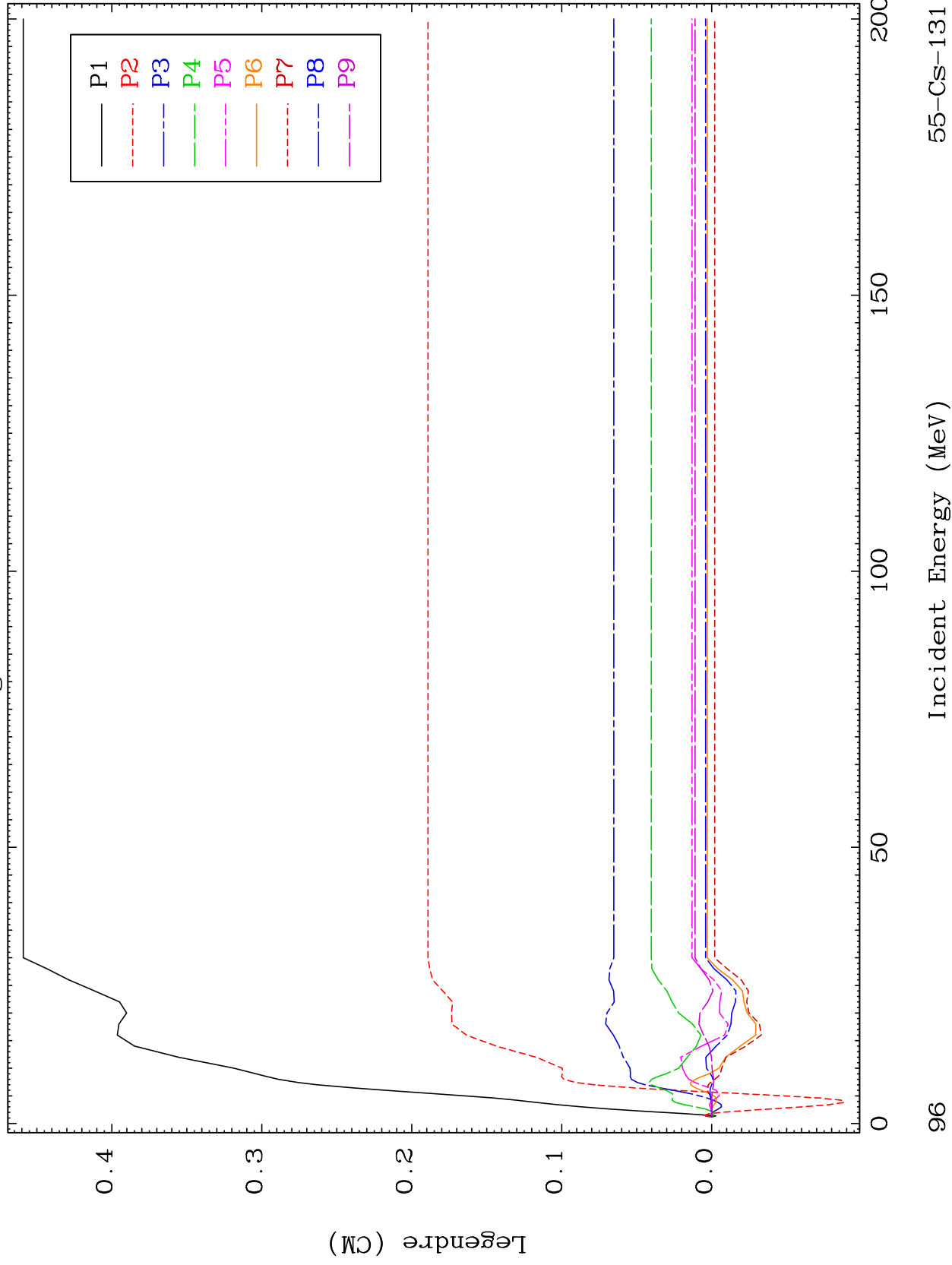




MAT 5519

1.147 MeV (n,n') Level  
Legendre Coefficients

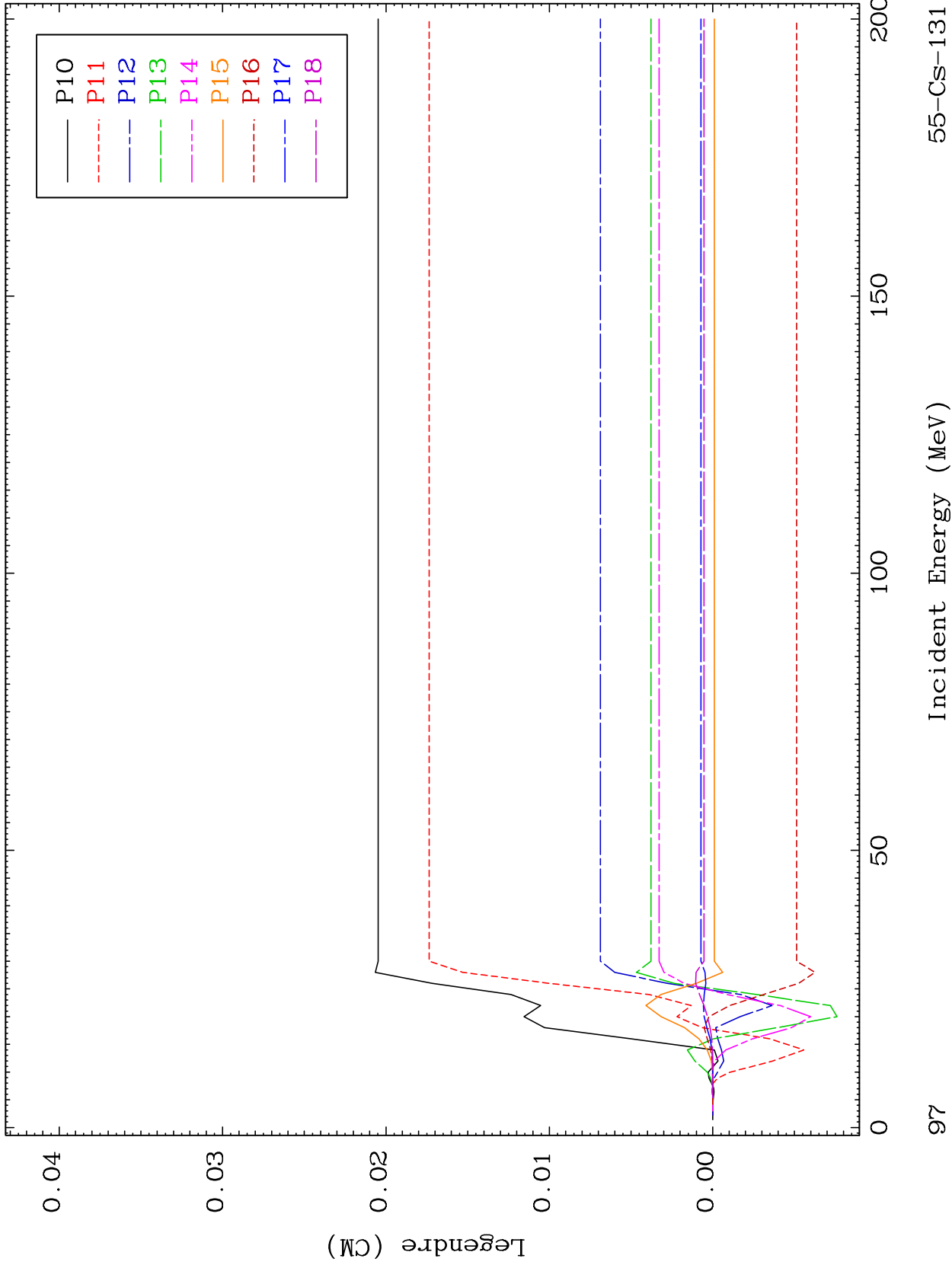
55-Cs-131



MAT 5519

1.147 MeV (n,n') Level  
Legendre Coefficients

55-Cs-131

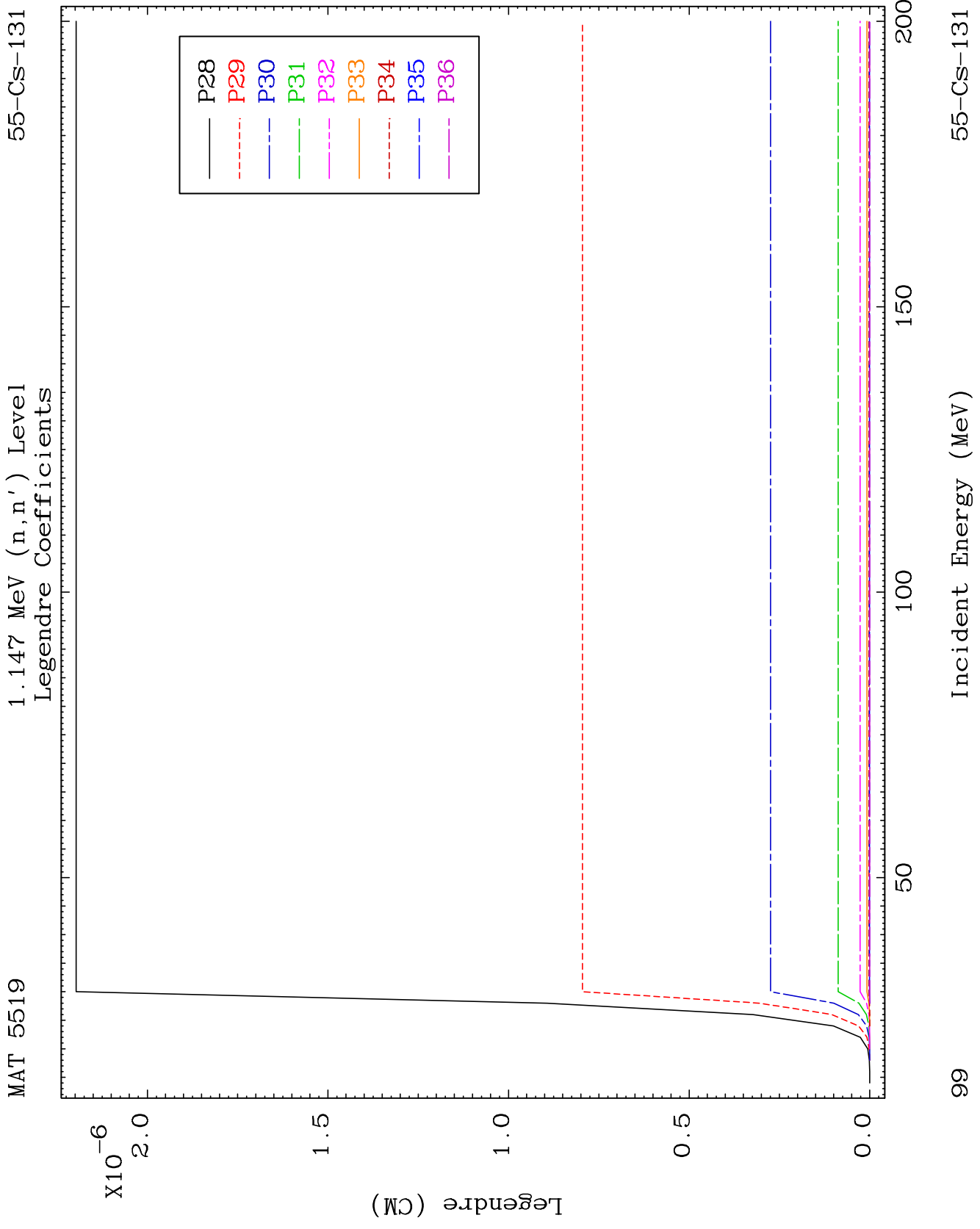


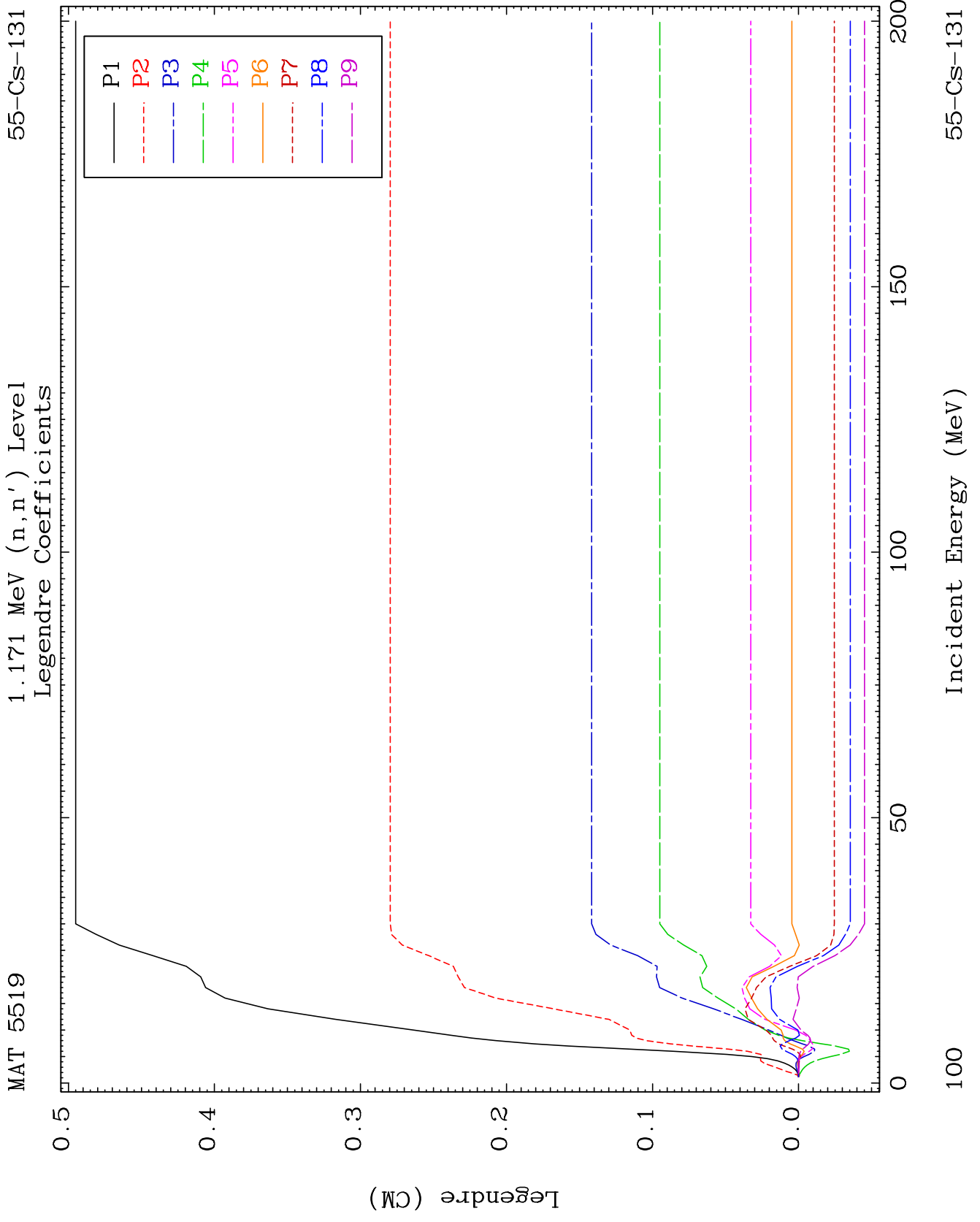
97

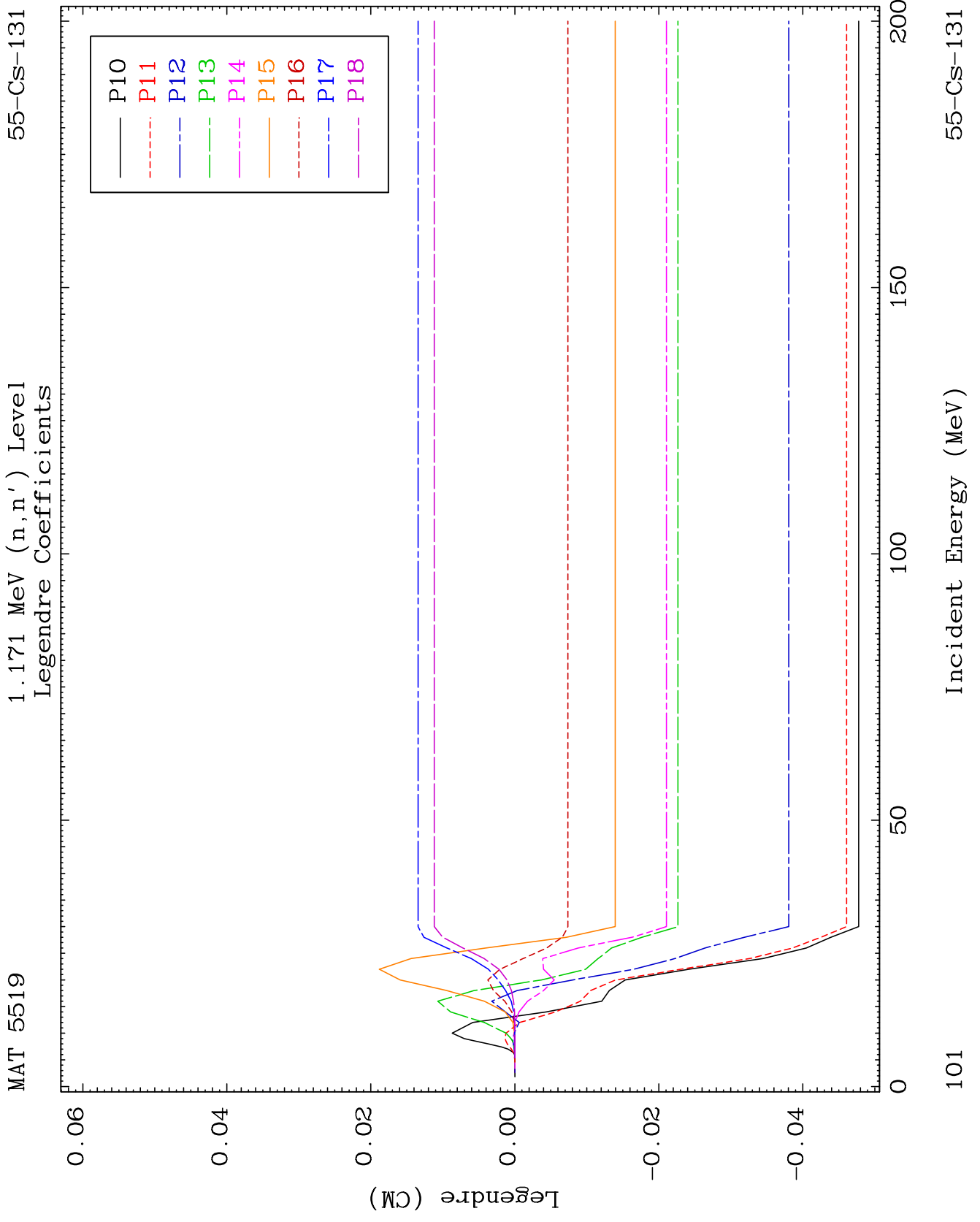
Incident Energy (MeV)

55-Cs-131





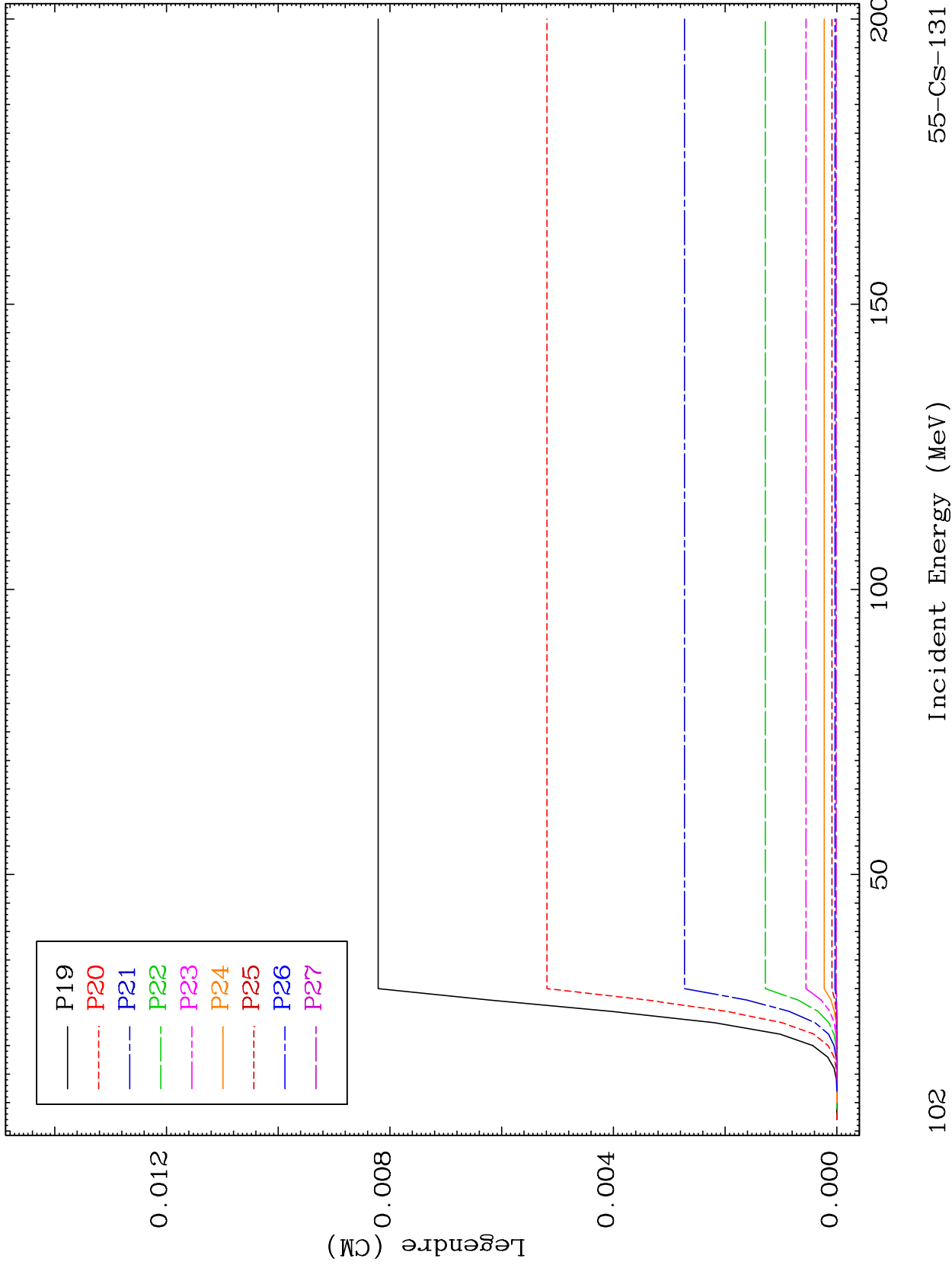




MAT 5519

1.171 MeV (n,n') Level  
Legendre Coefficients

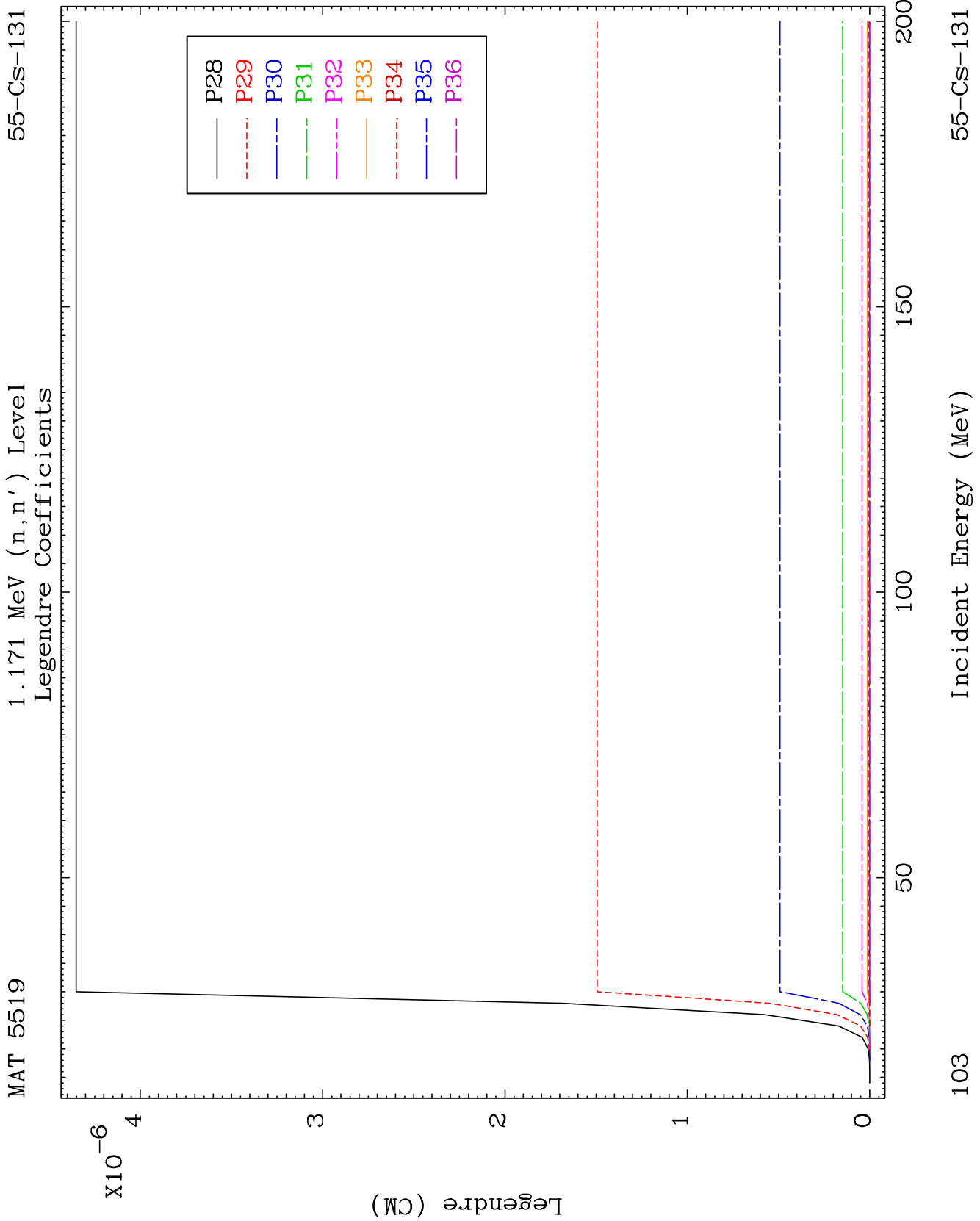
55-Cs-131



102

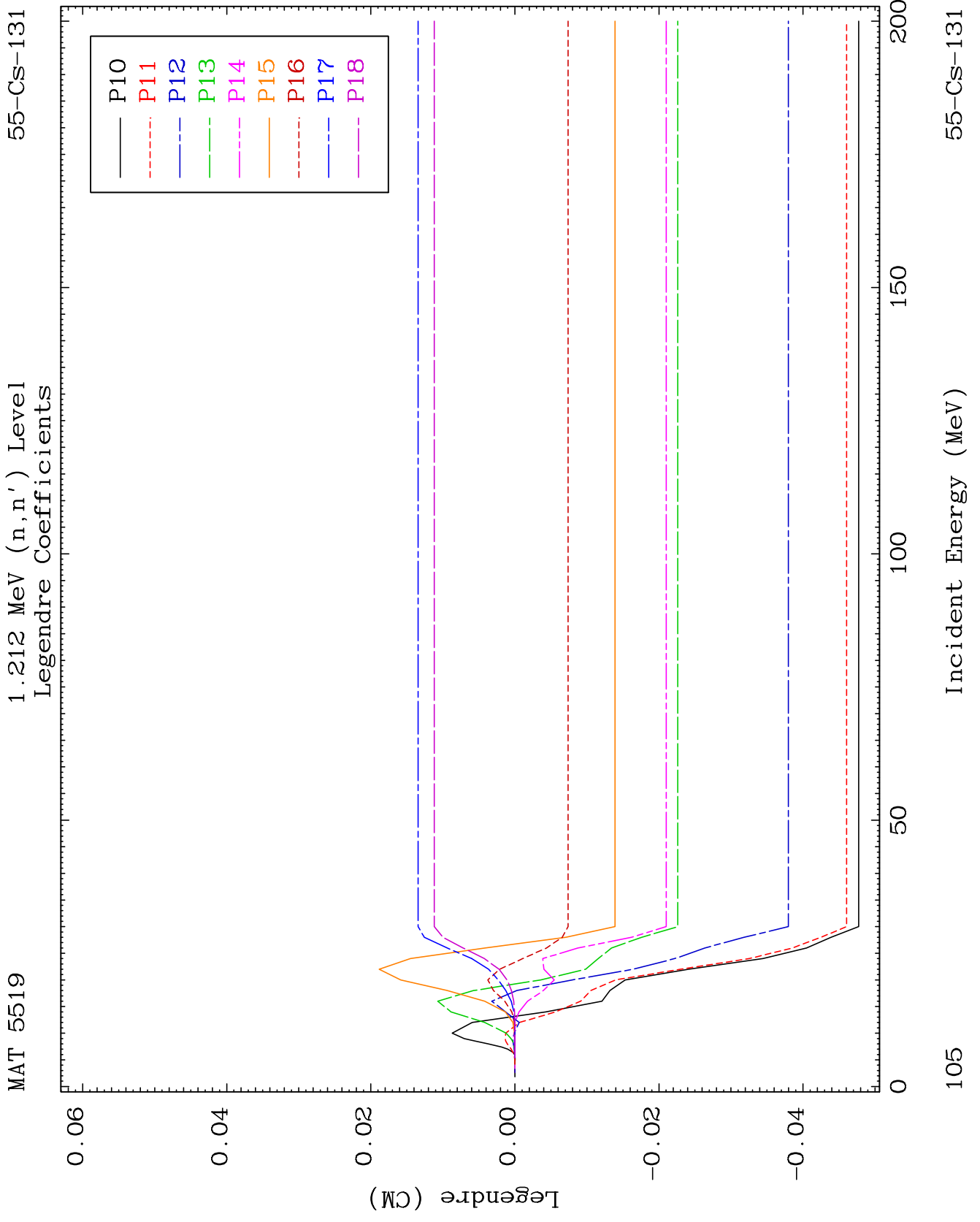
Incident Energy (MeV)

55-Cs-131





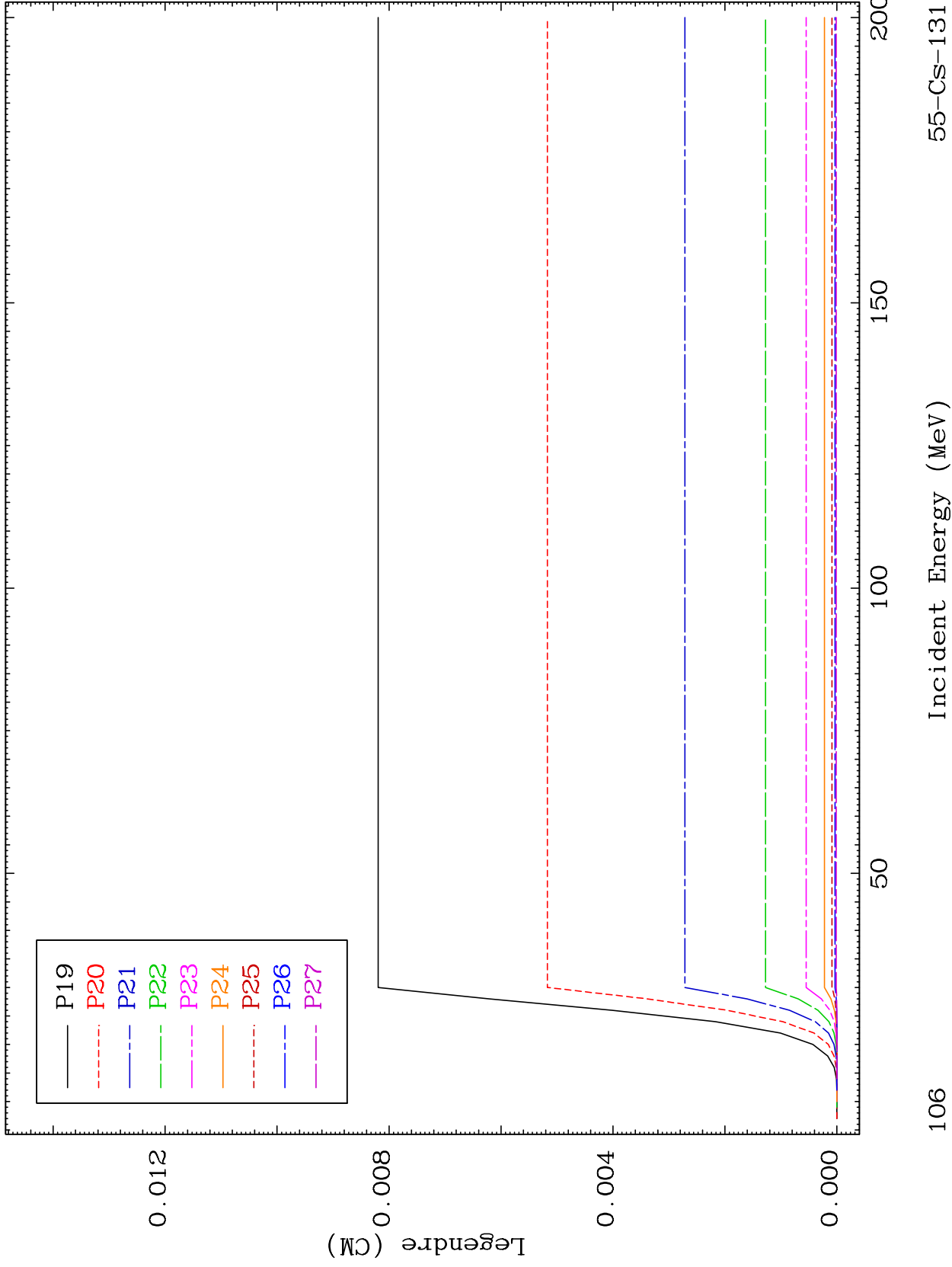




MAT 5519

1.212 MeV (n,n') Level  
Legendre Coefficients

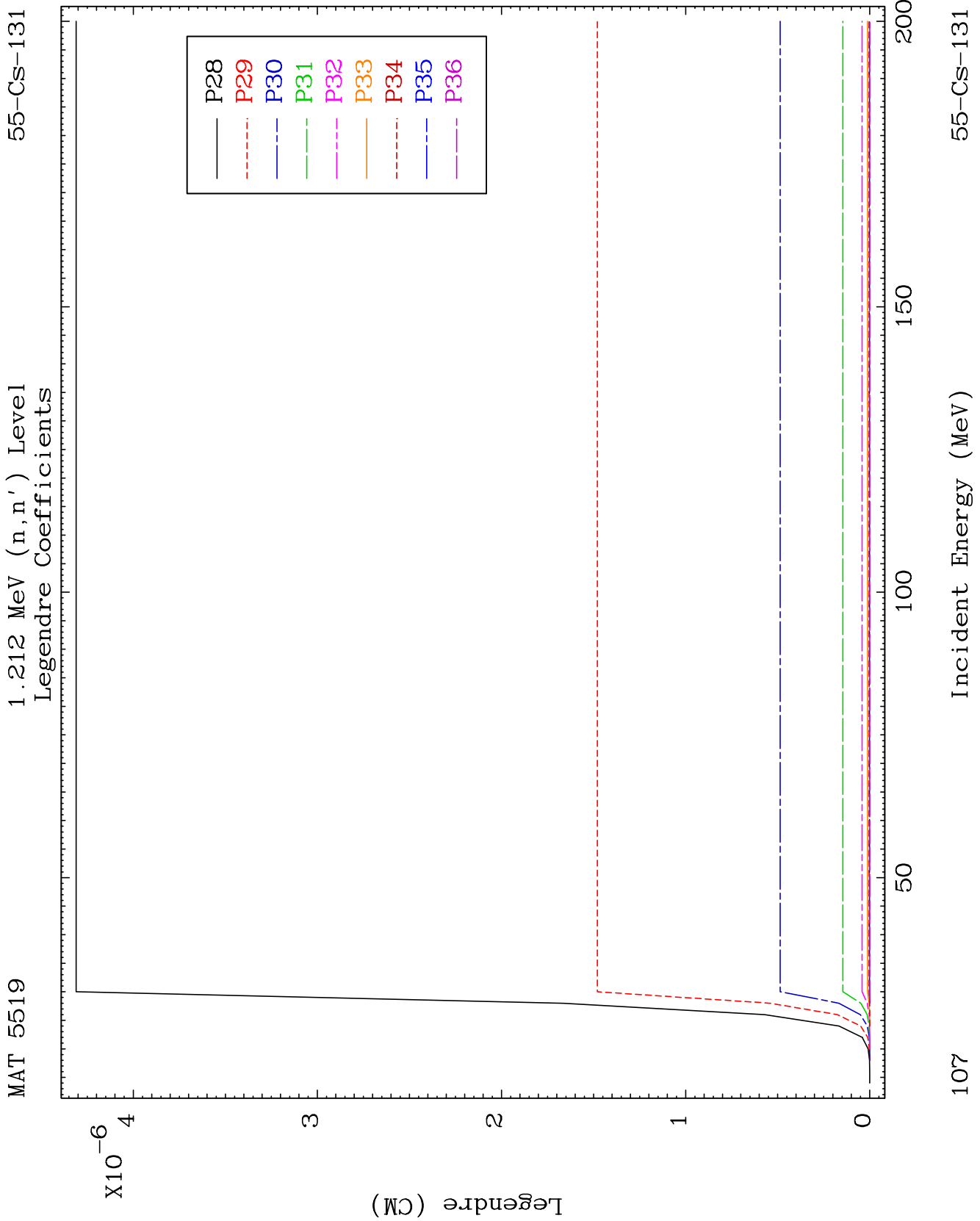
55-Cs-131

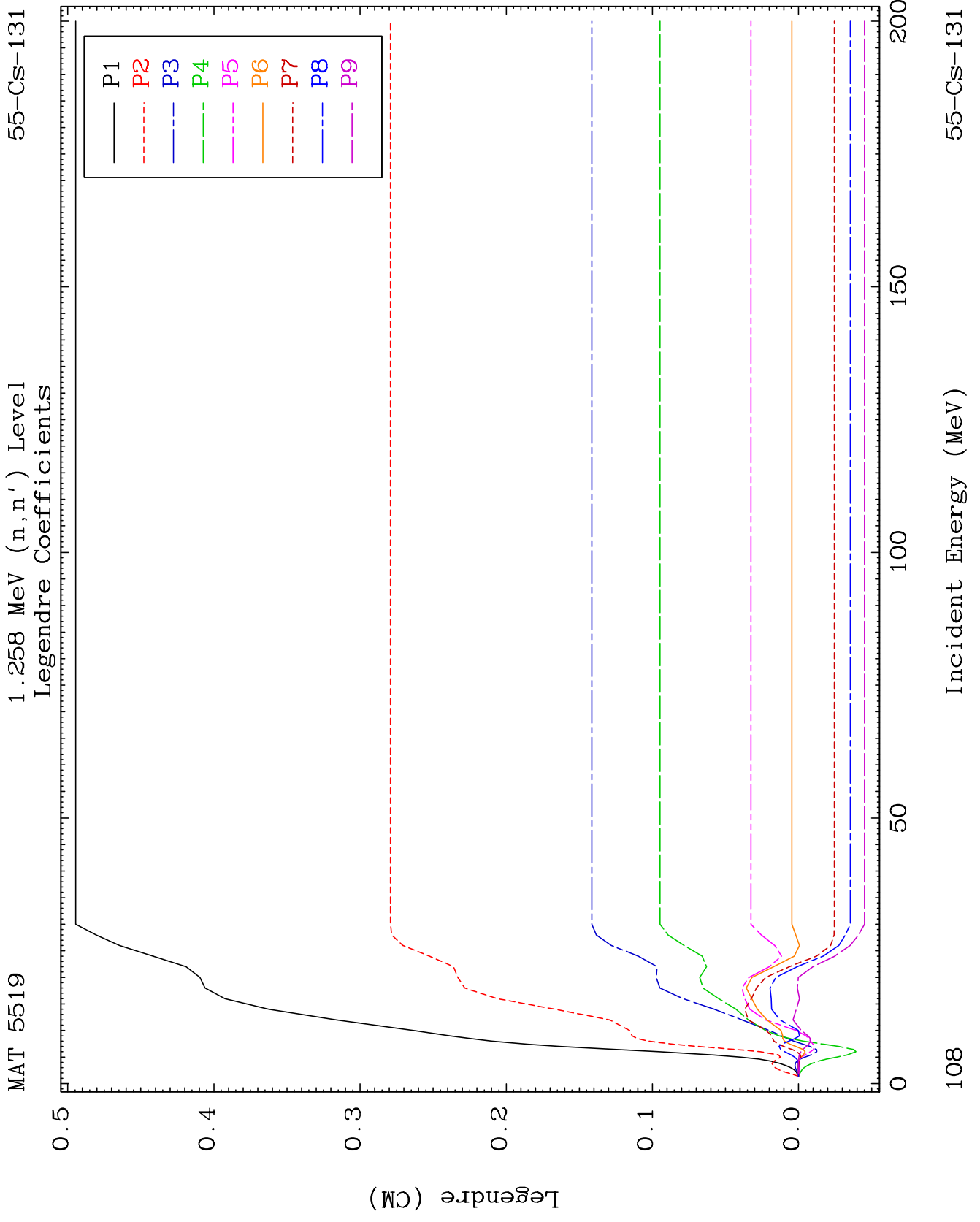


106

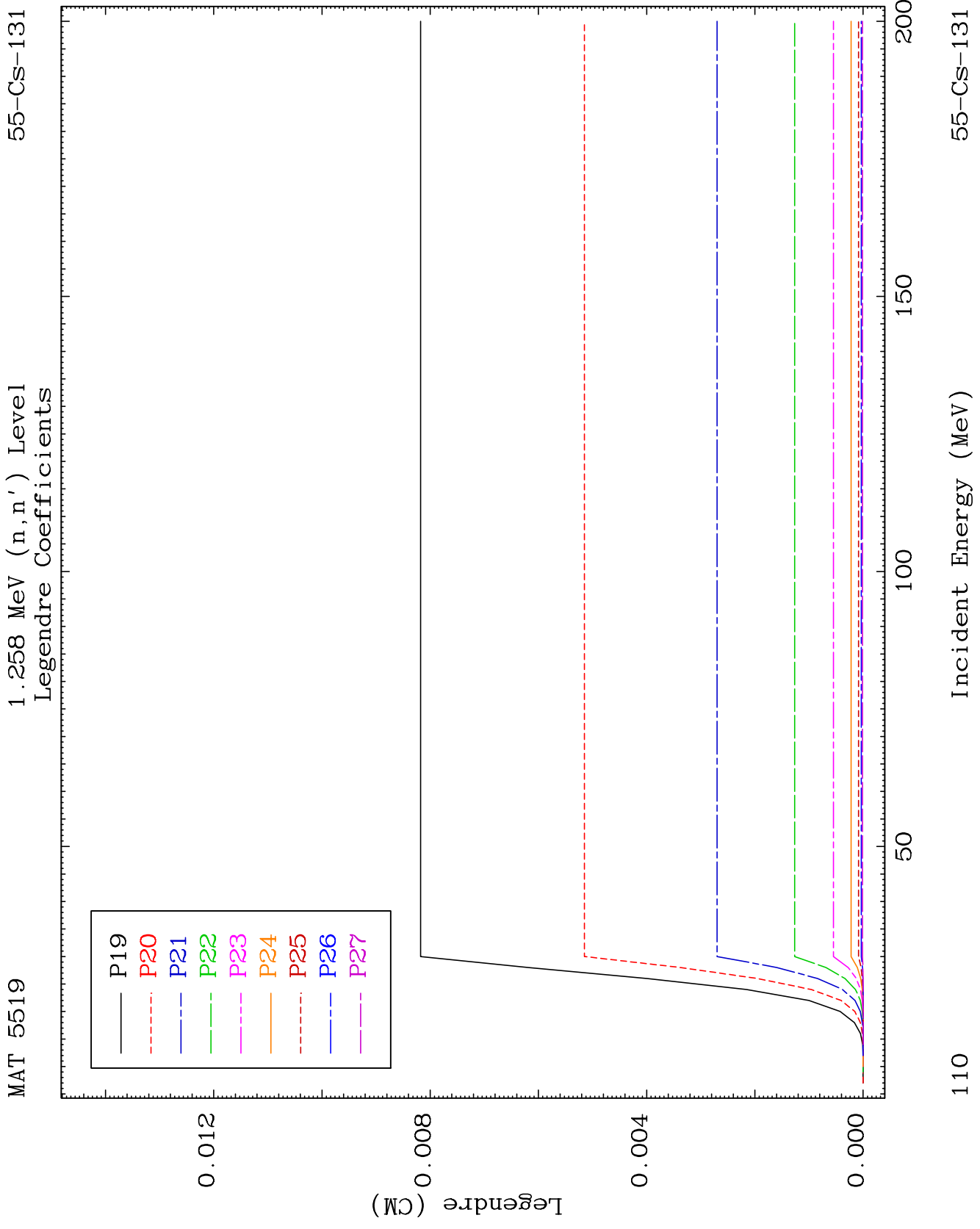
Incident Energy (MeV)

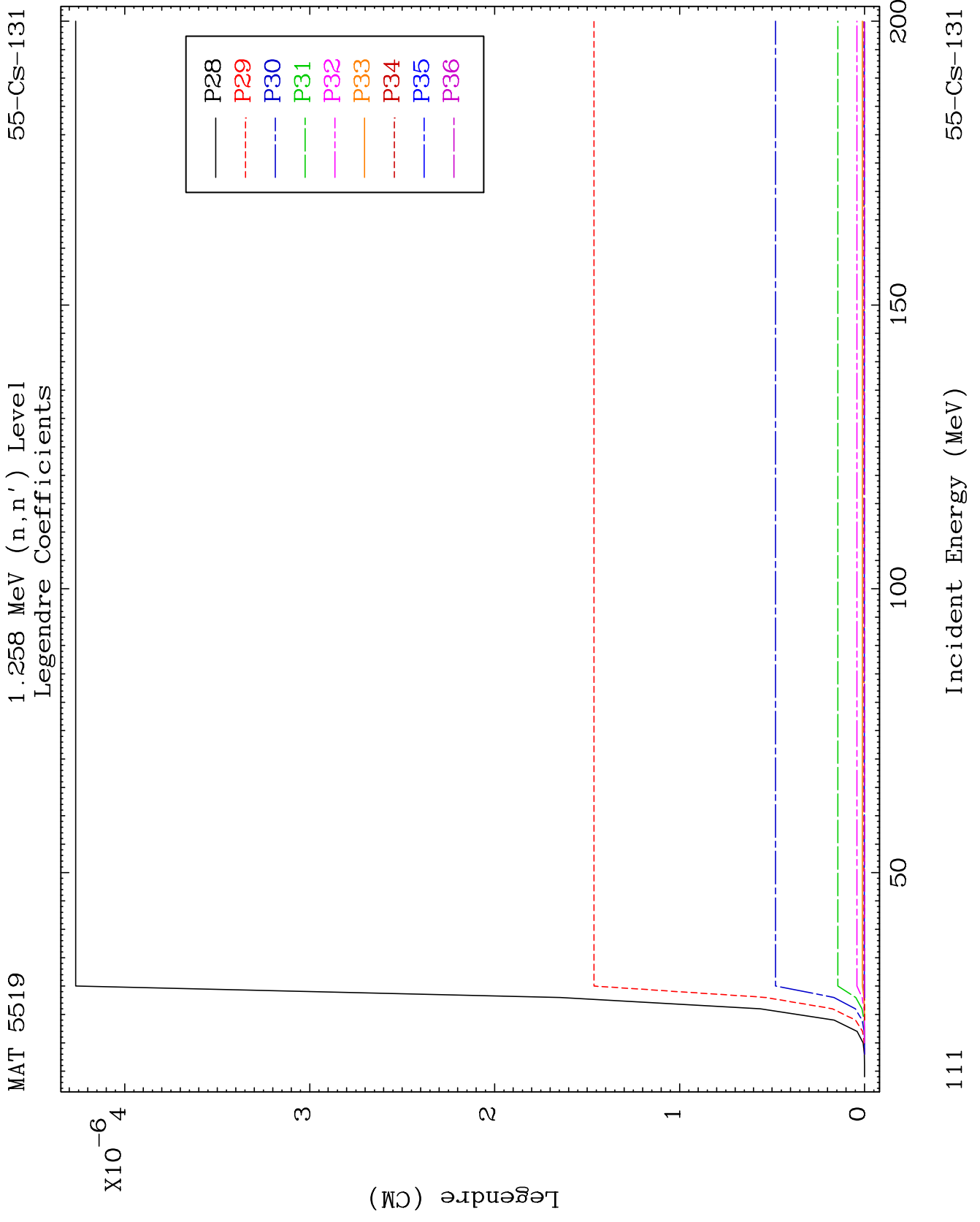
55-Cs-131



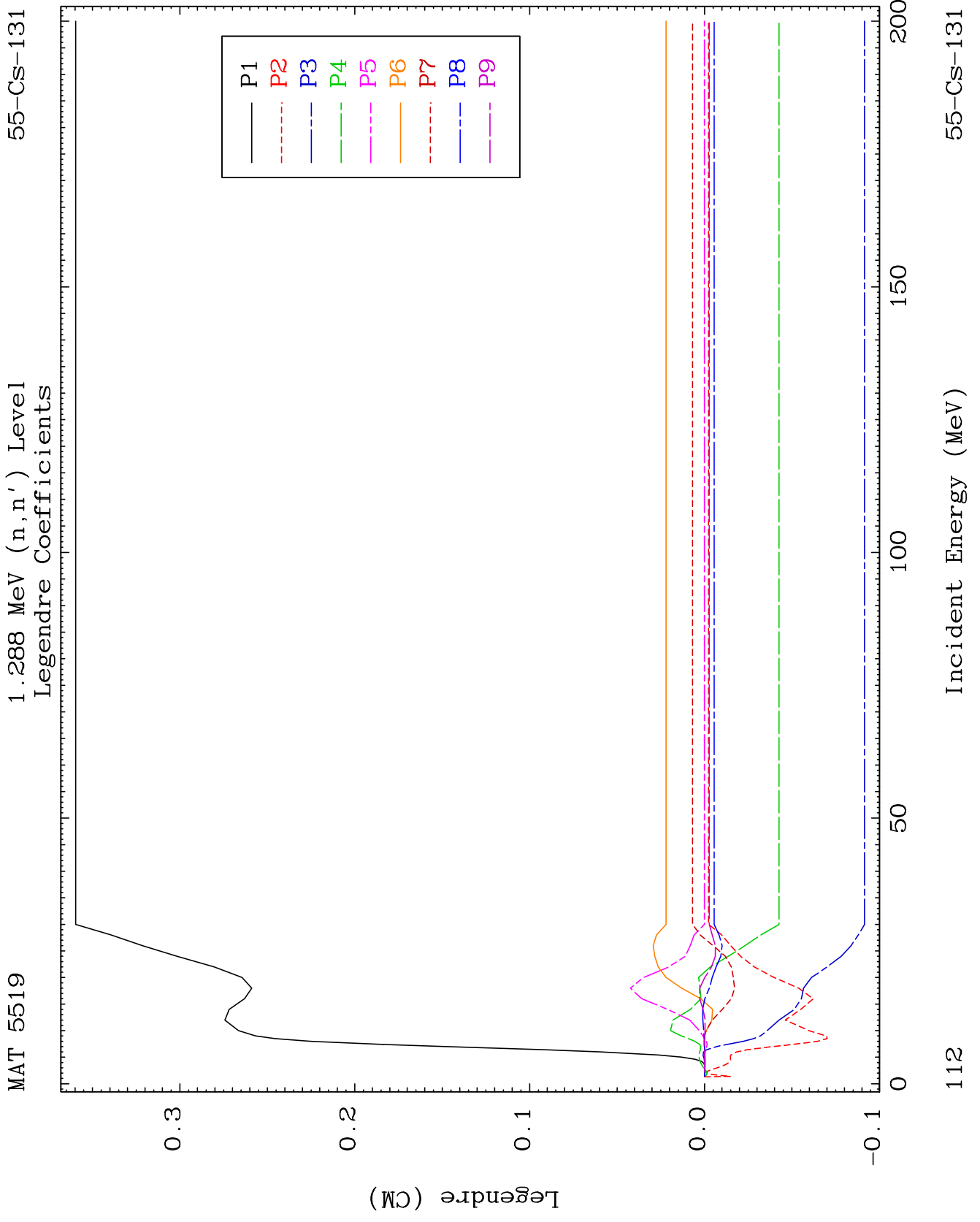




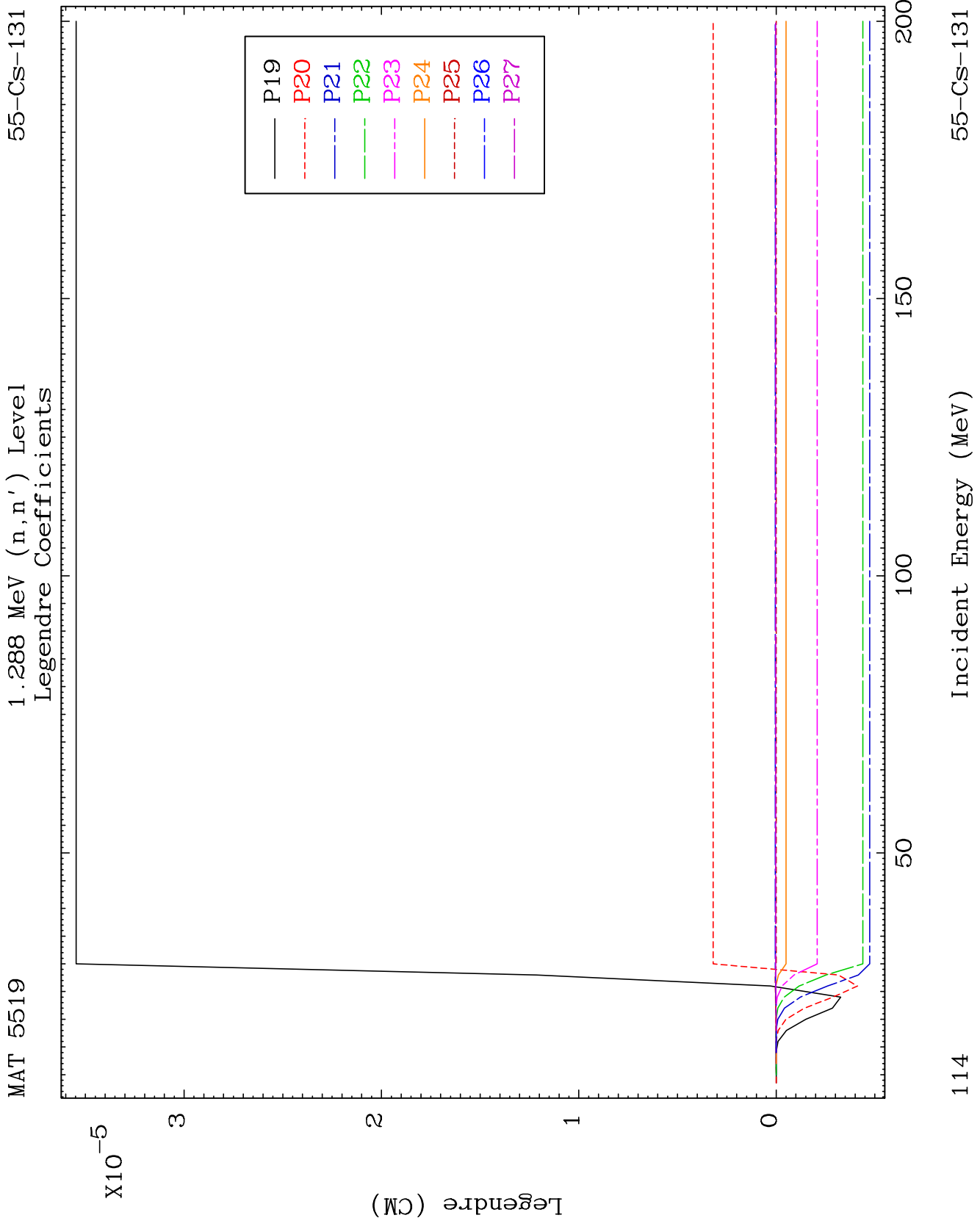


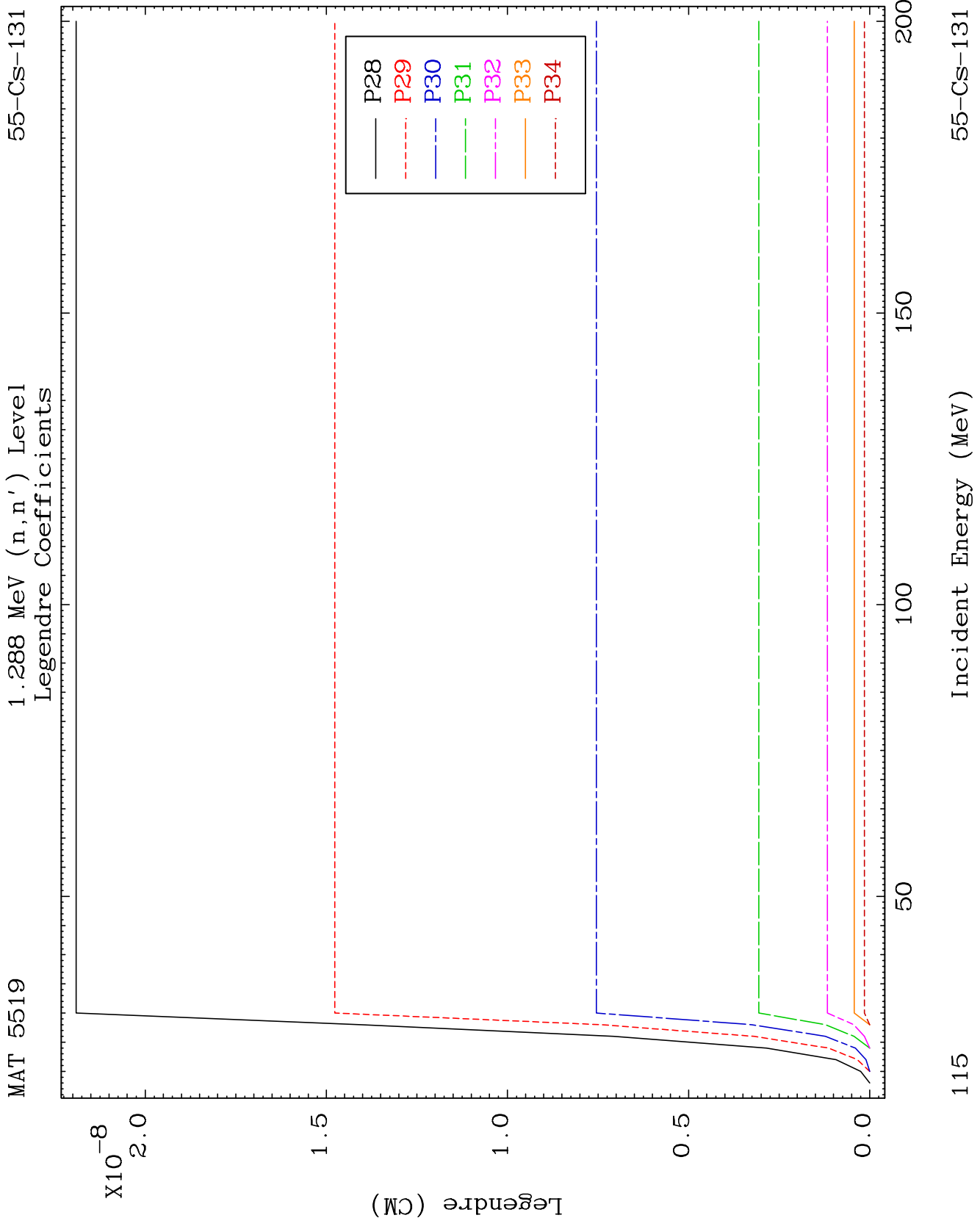




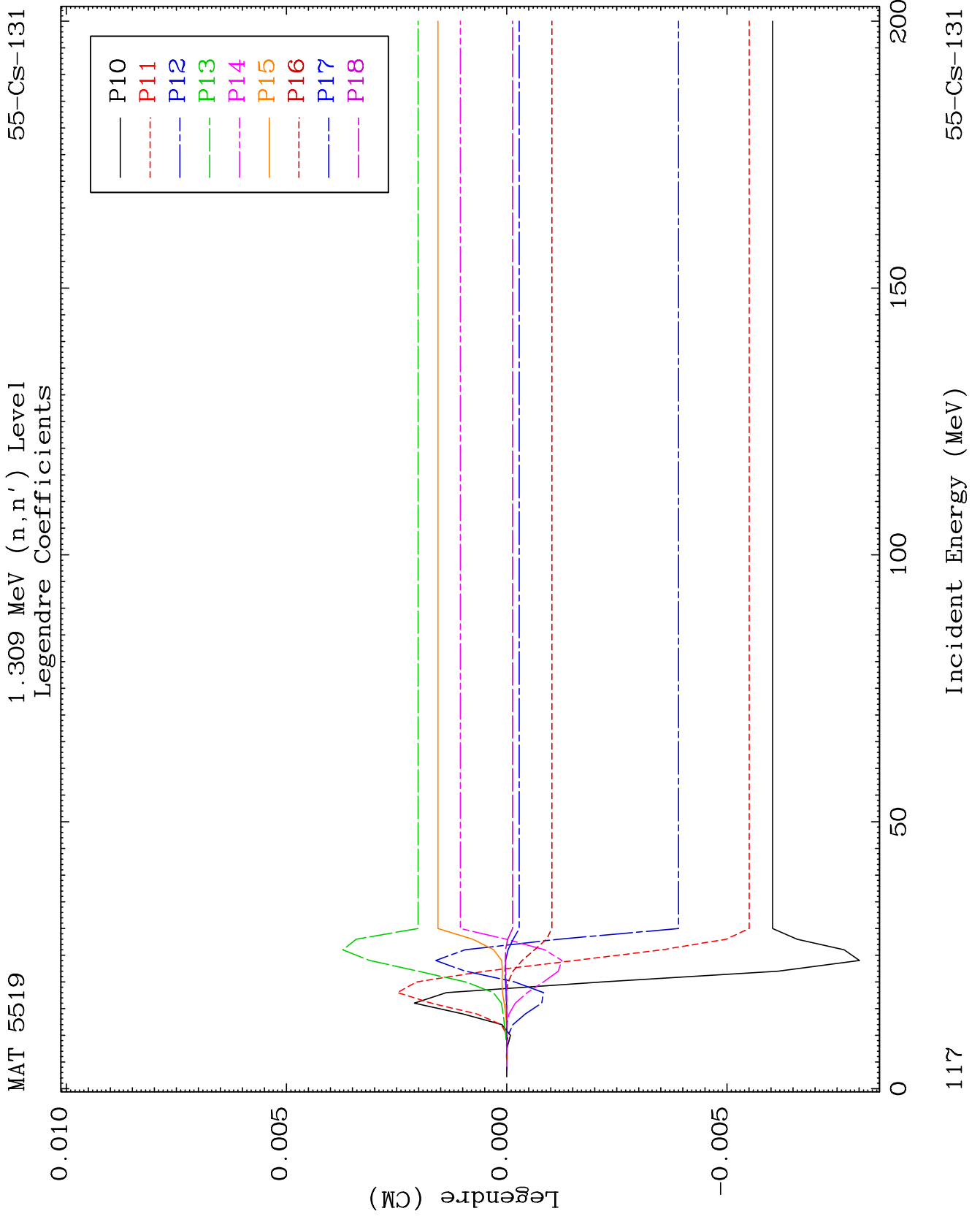


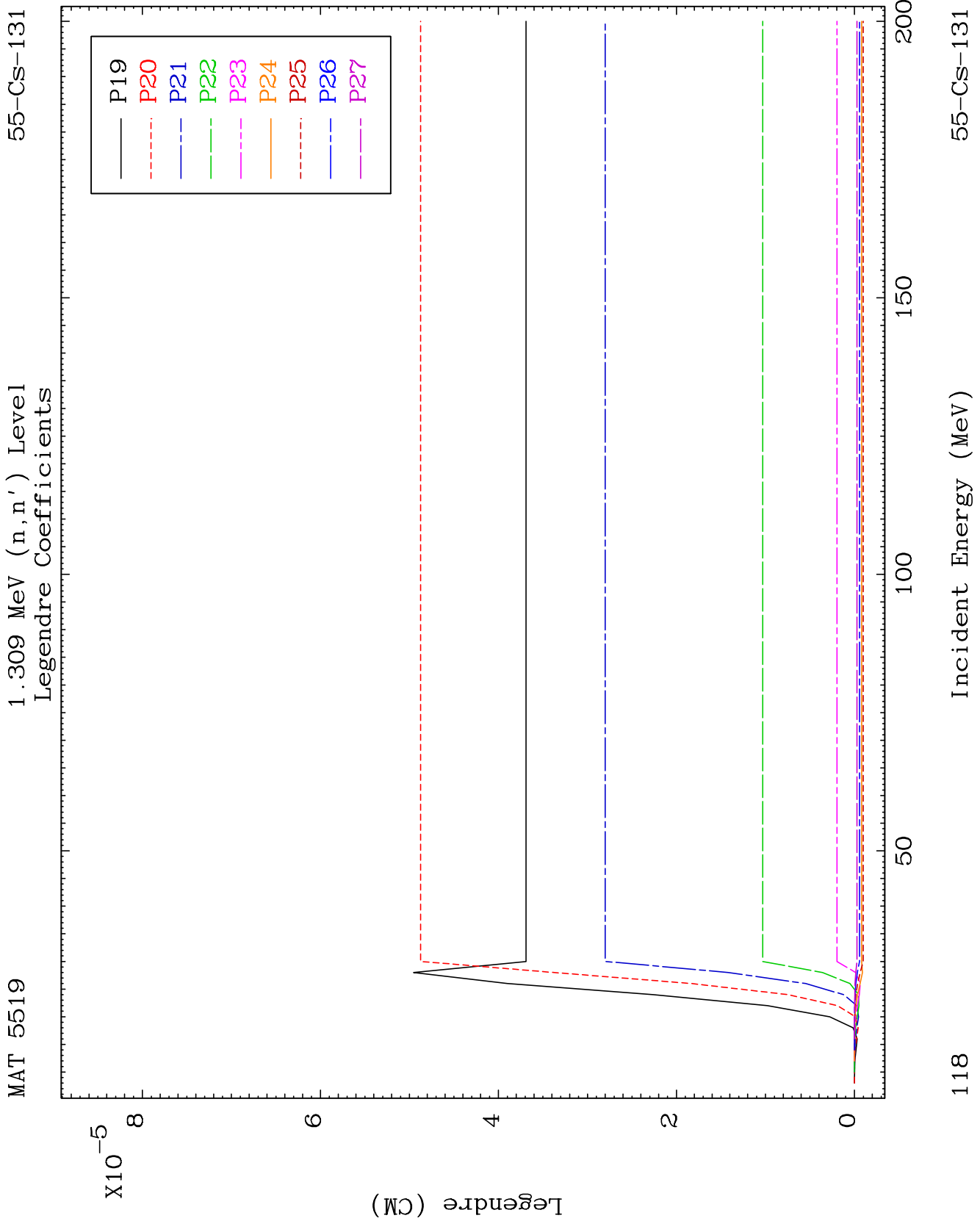


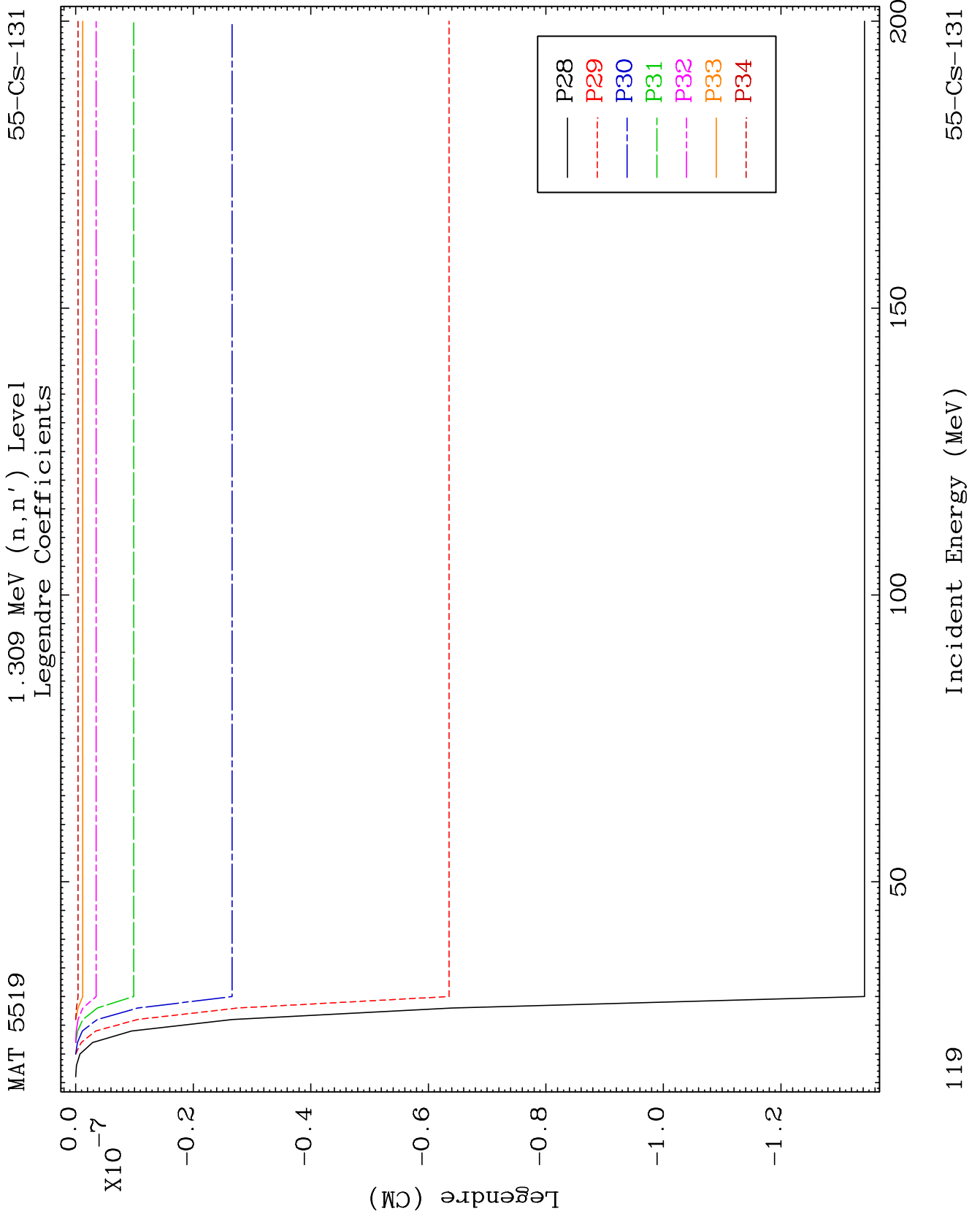




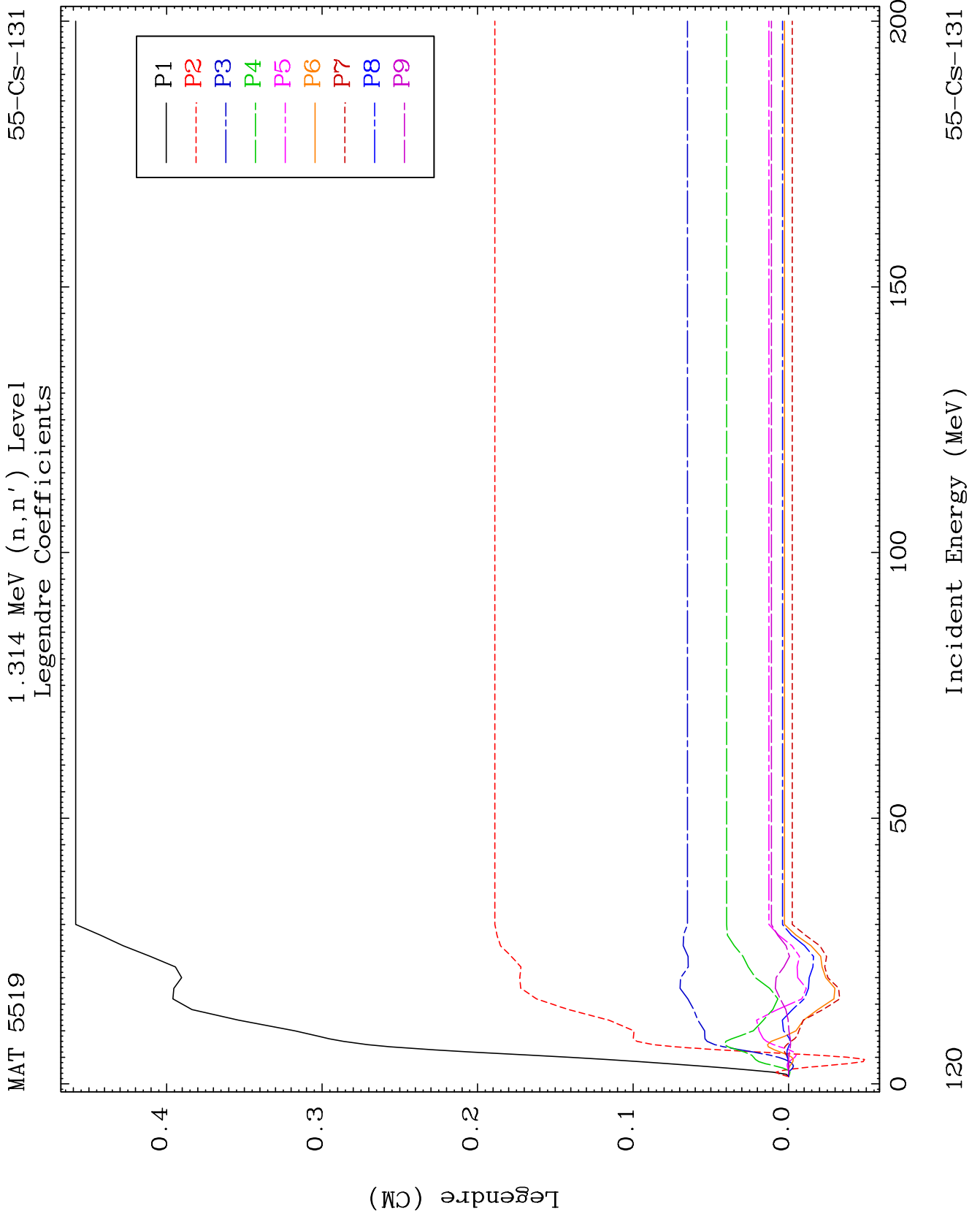


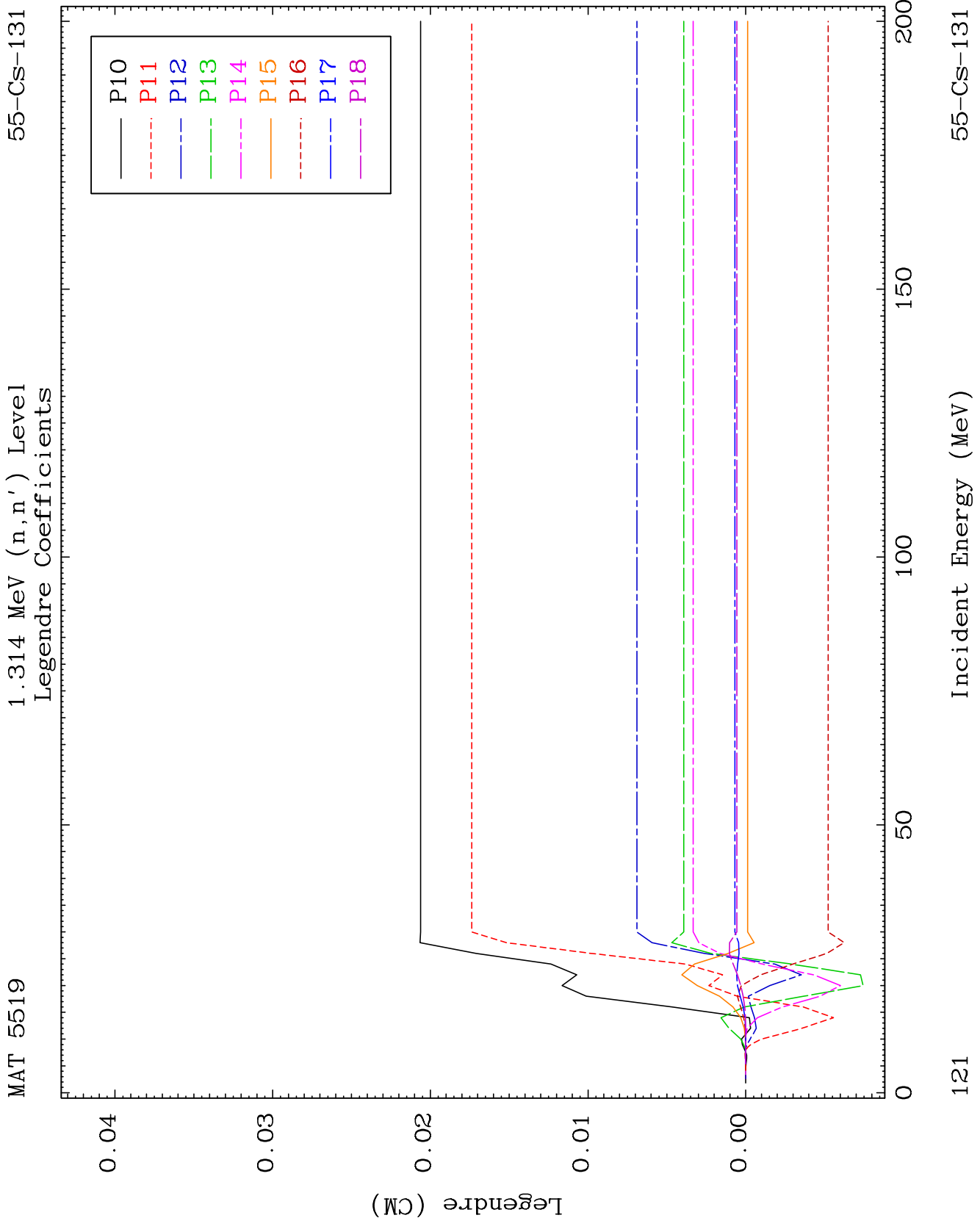








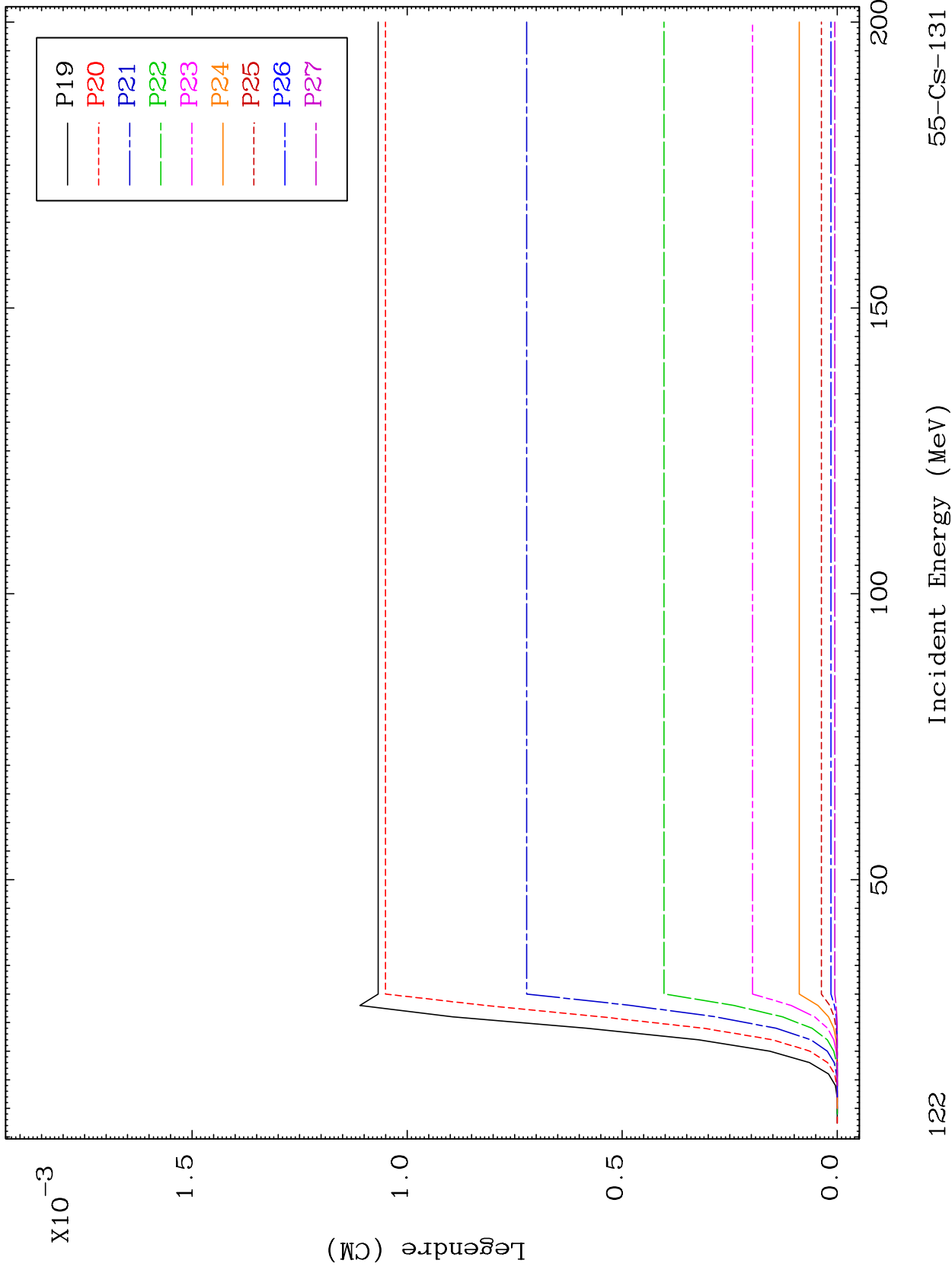




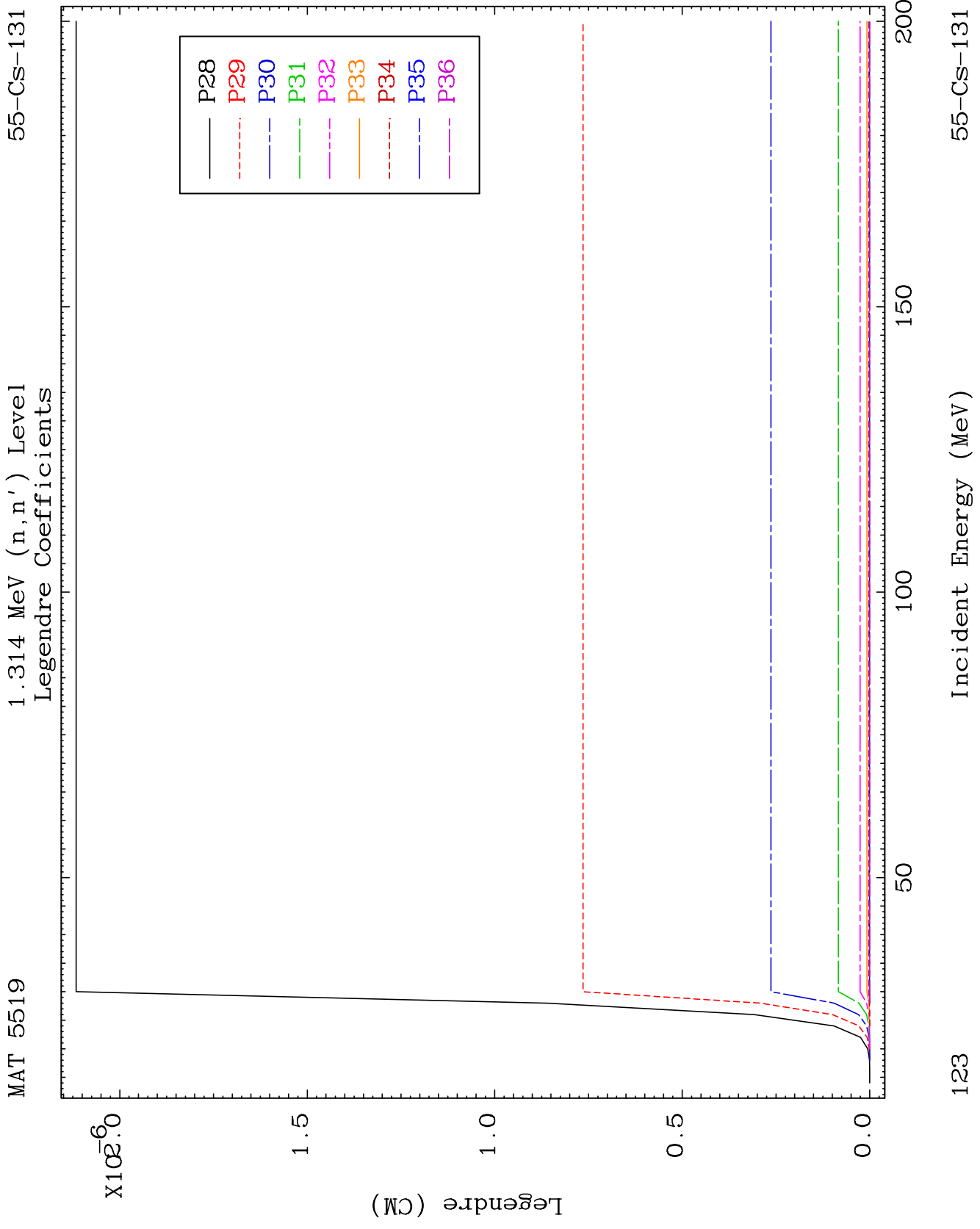
MAT 5519

1.314 MeV (n,n') Level  
Legendre Coefficients

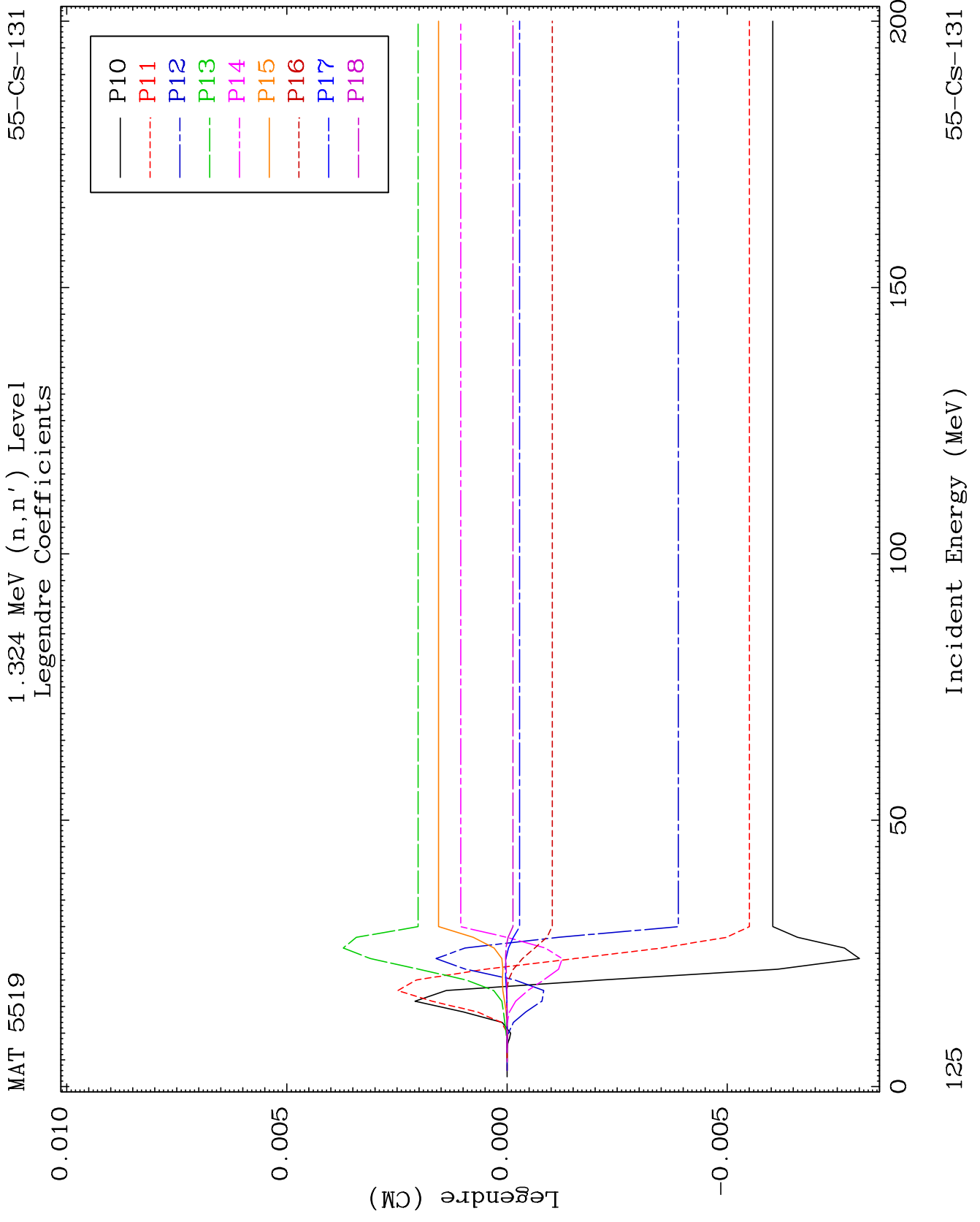
55-Cs-131

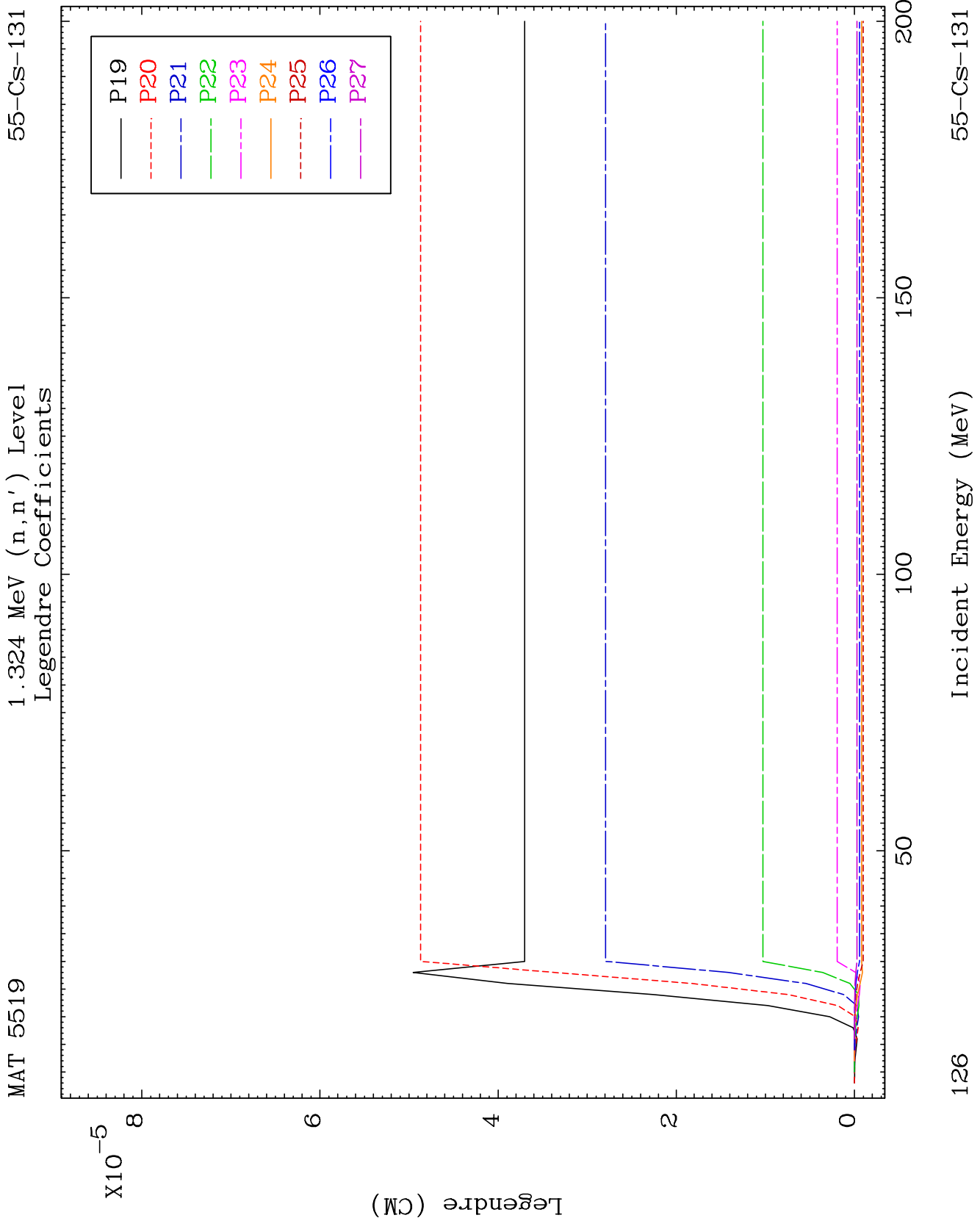


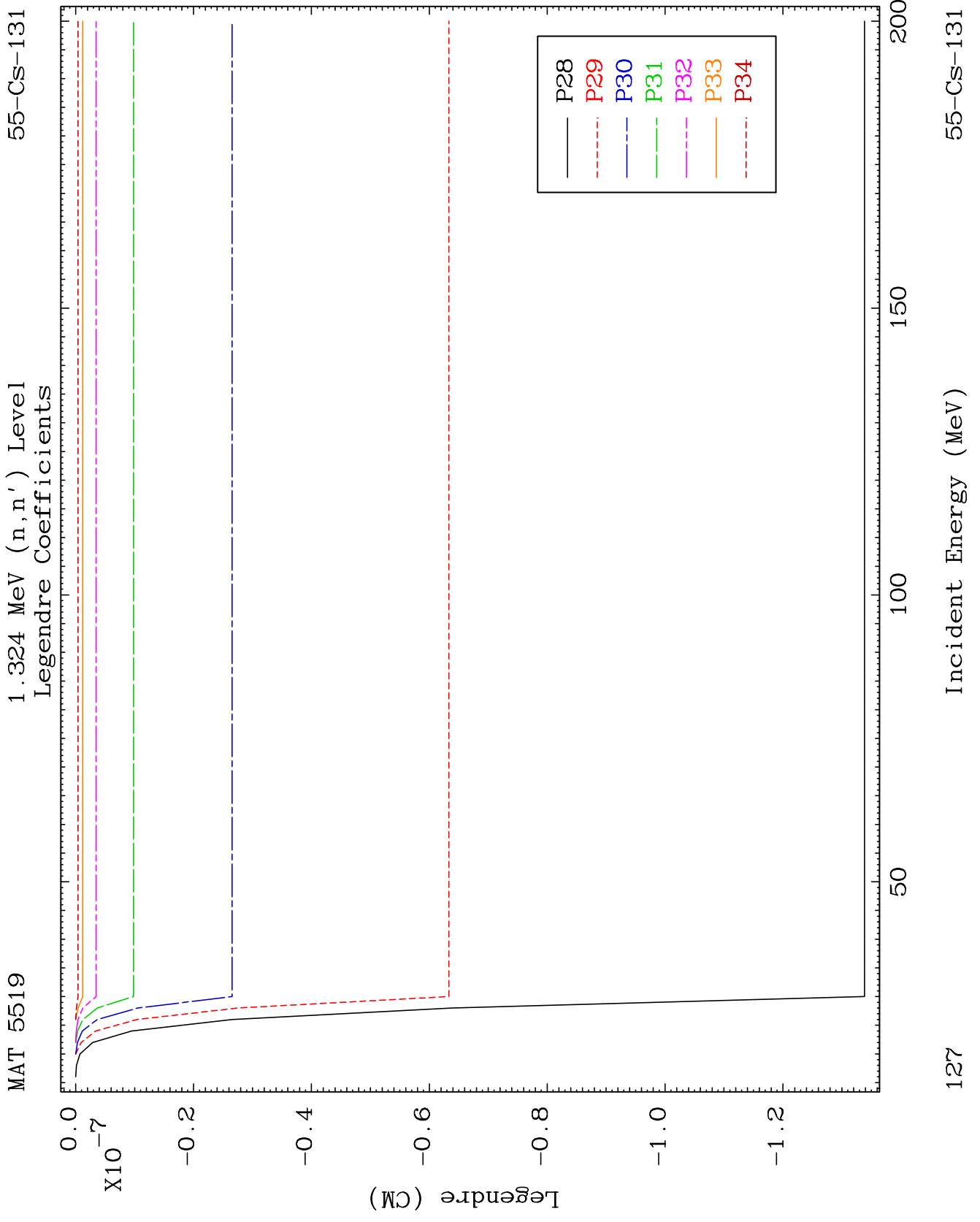
122



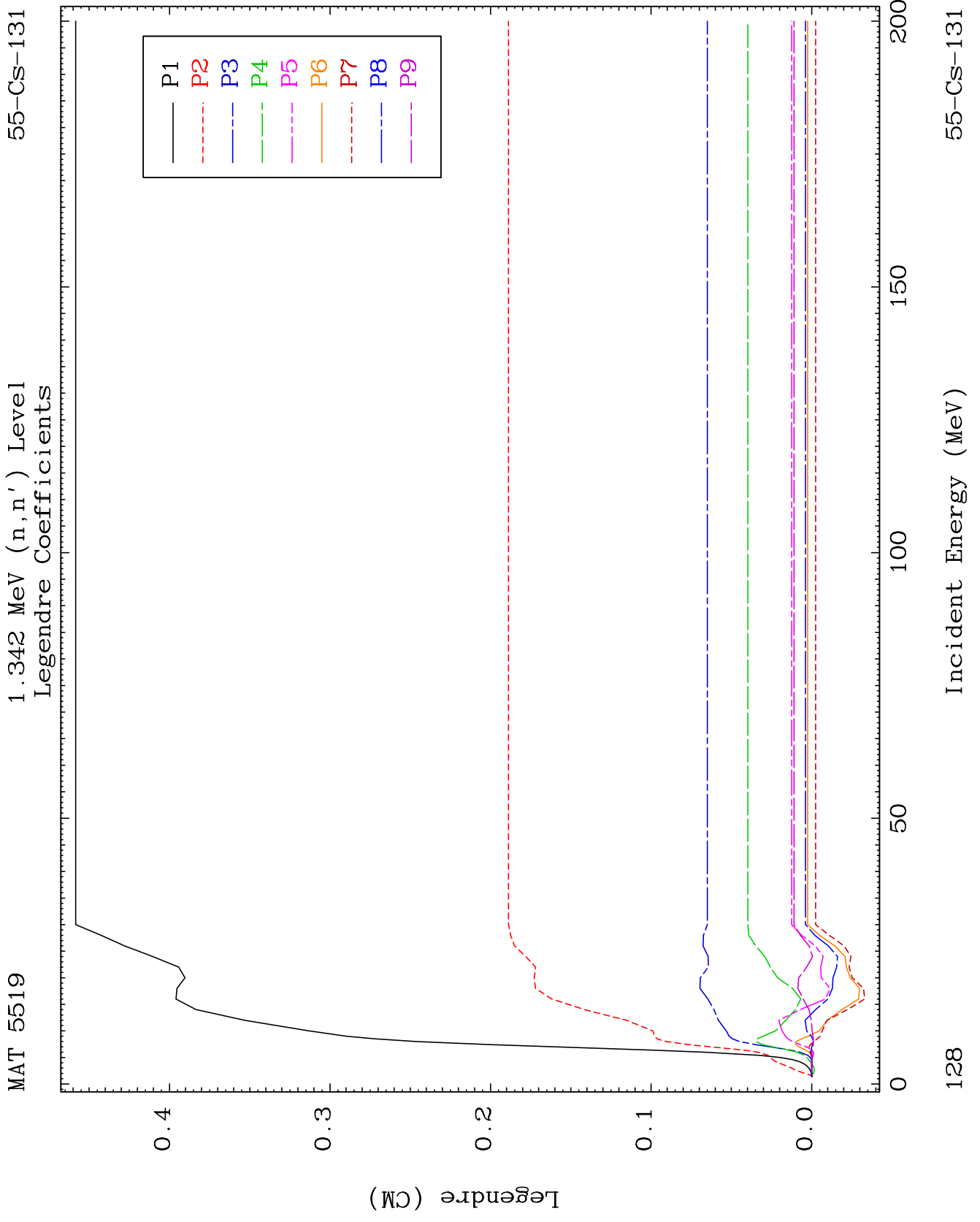


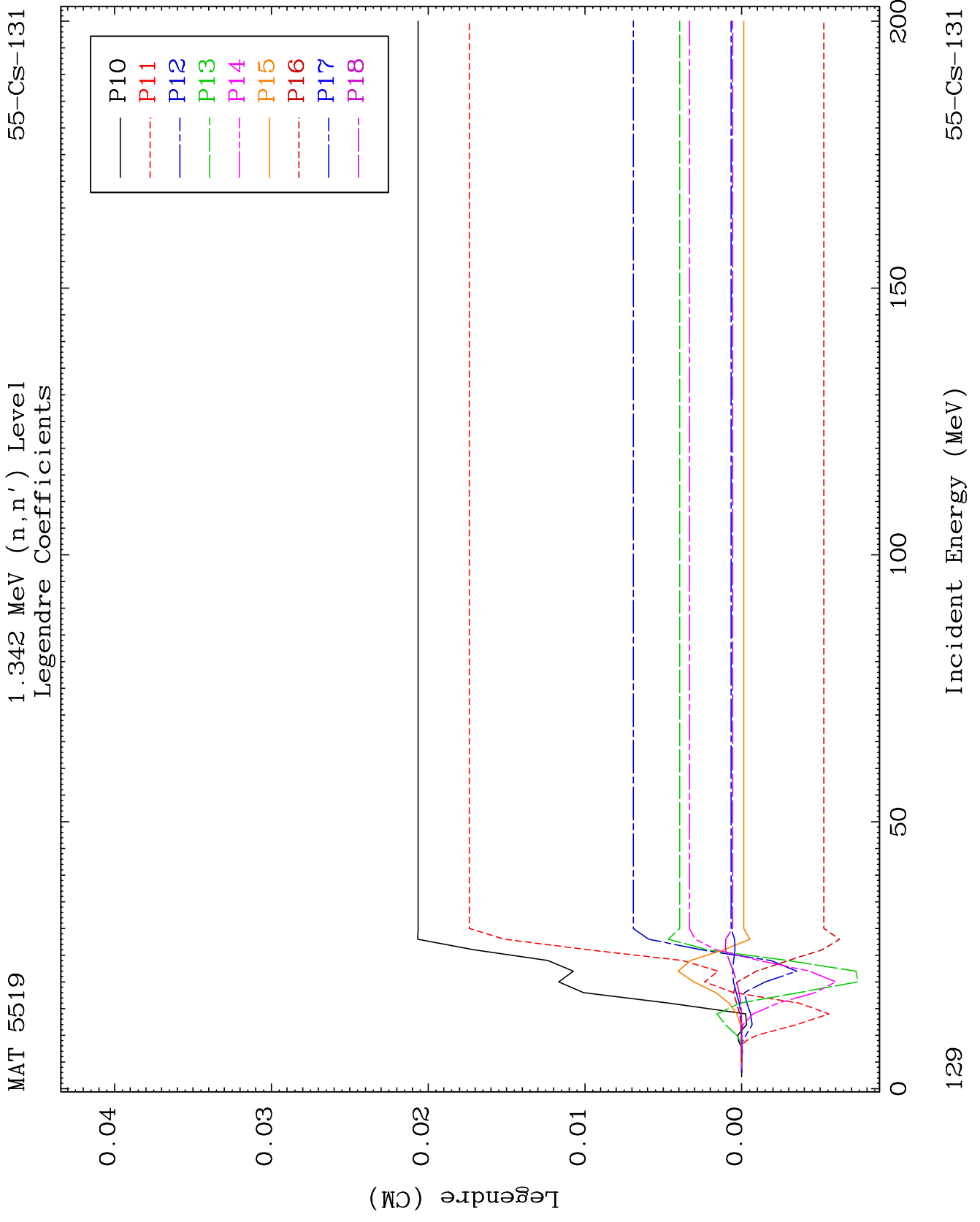








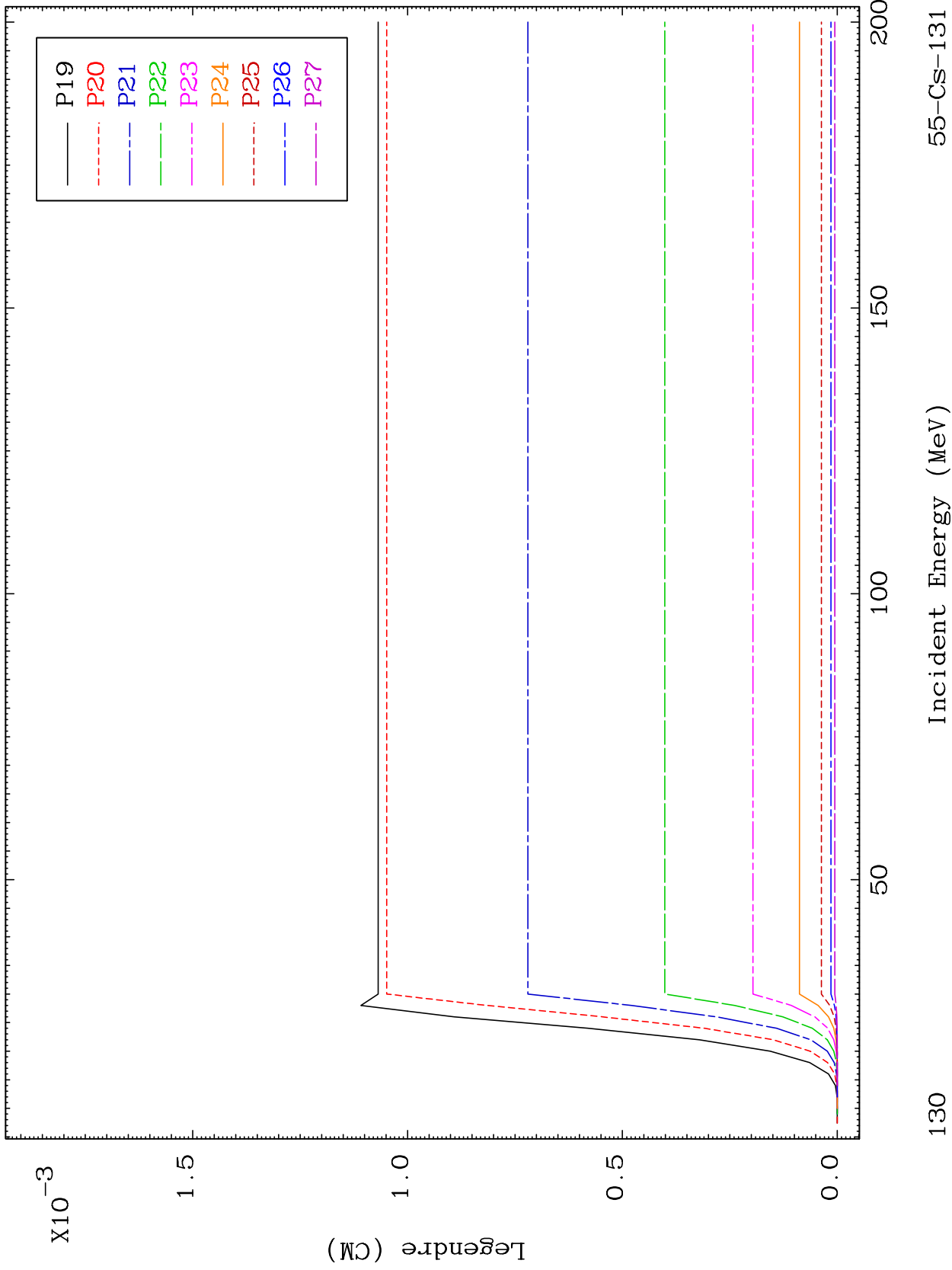


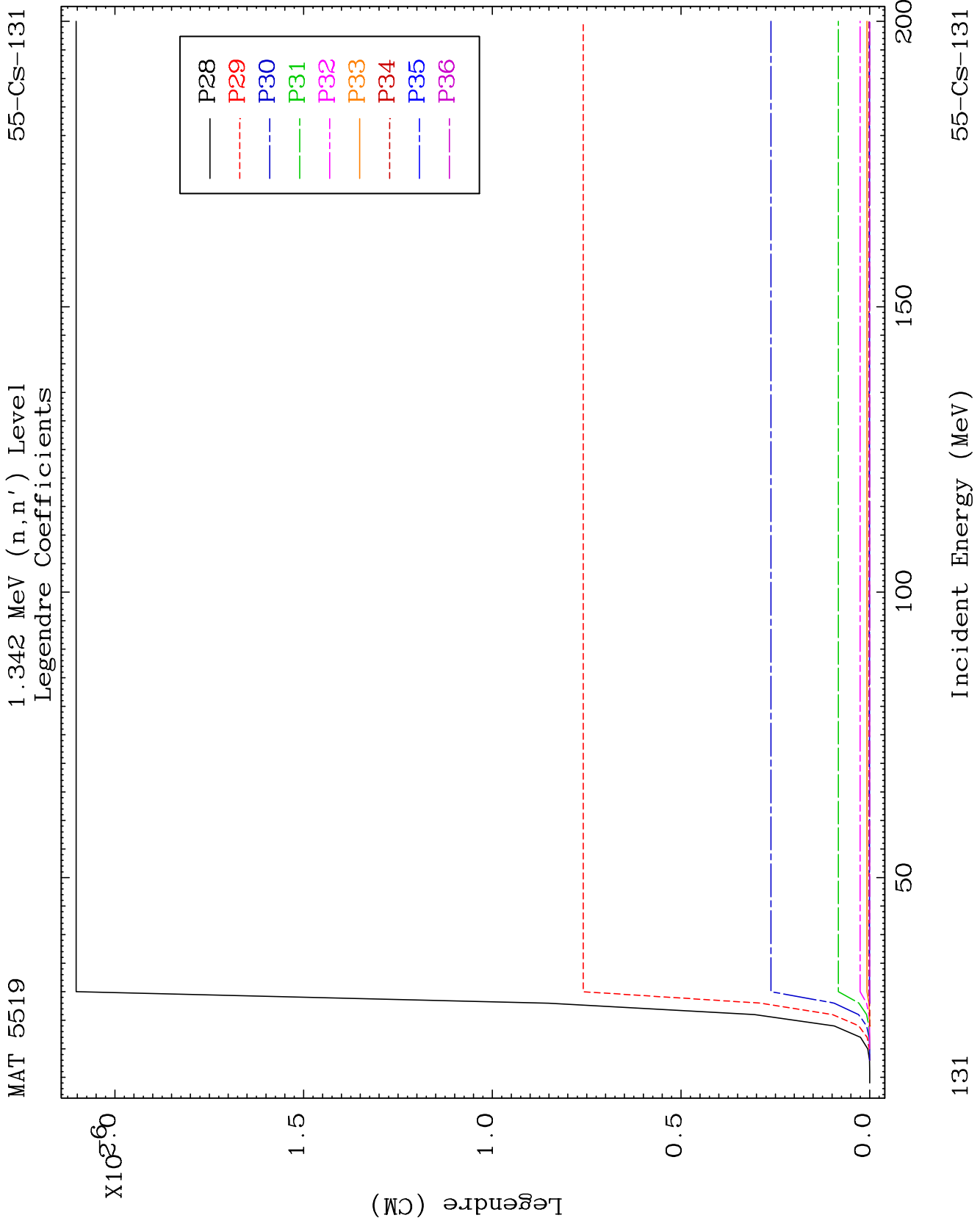


MAT 5519

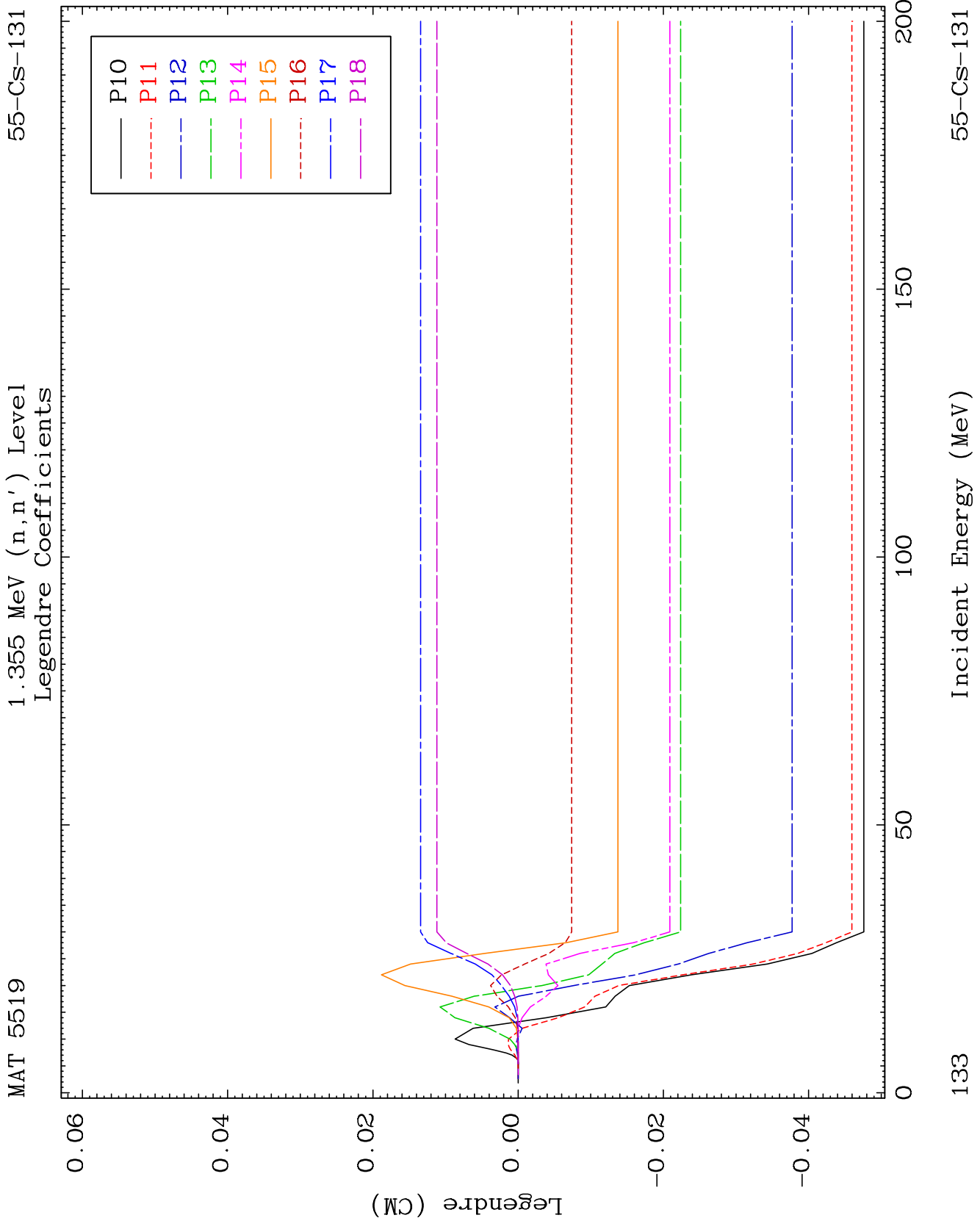
1.342 MeV (n,n') Level  
Legendre Coefficients

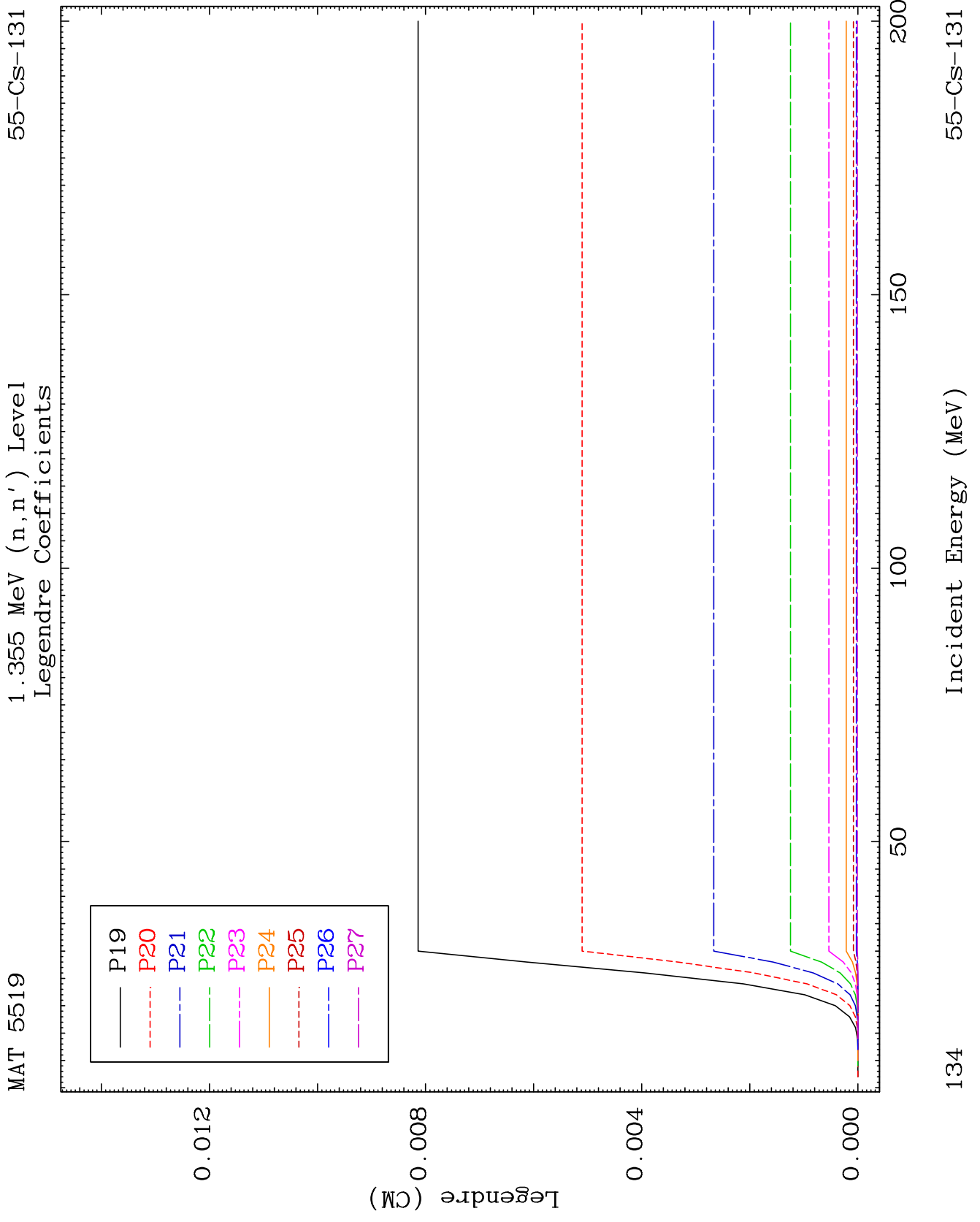
55-Cs-131

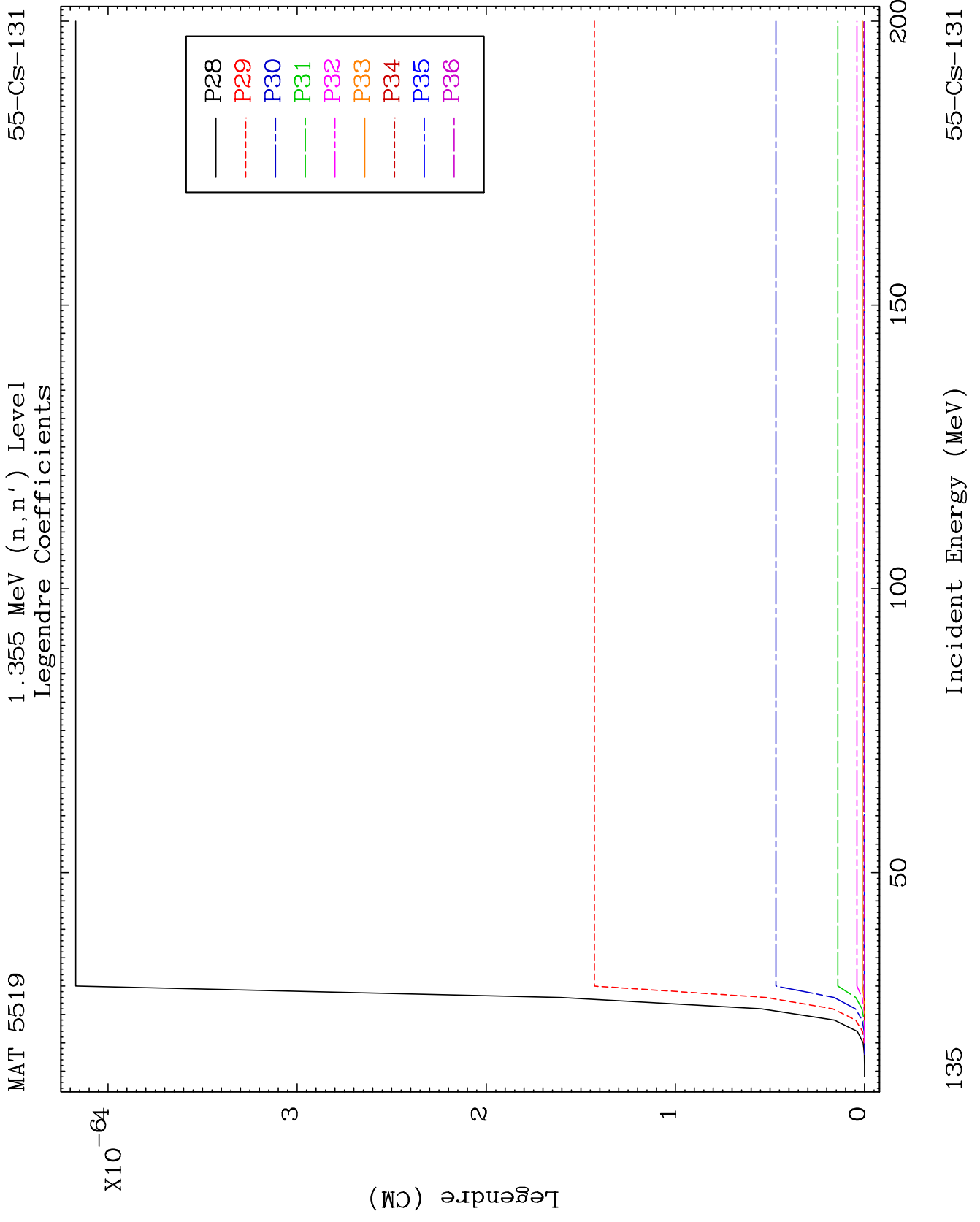




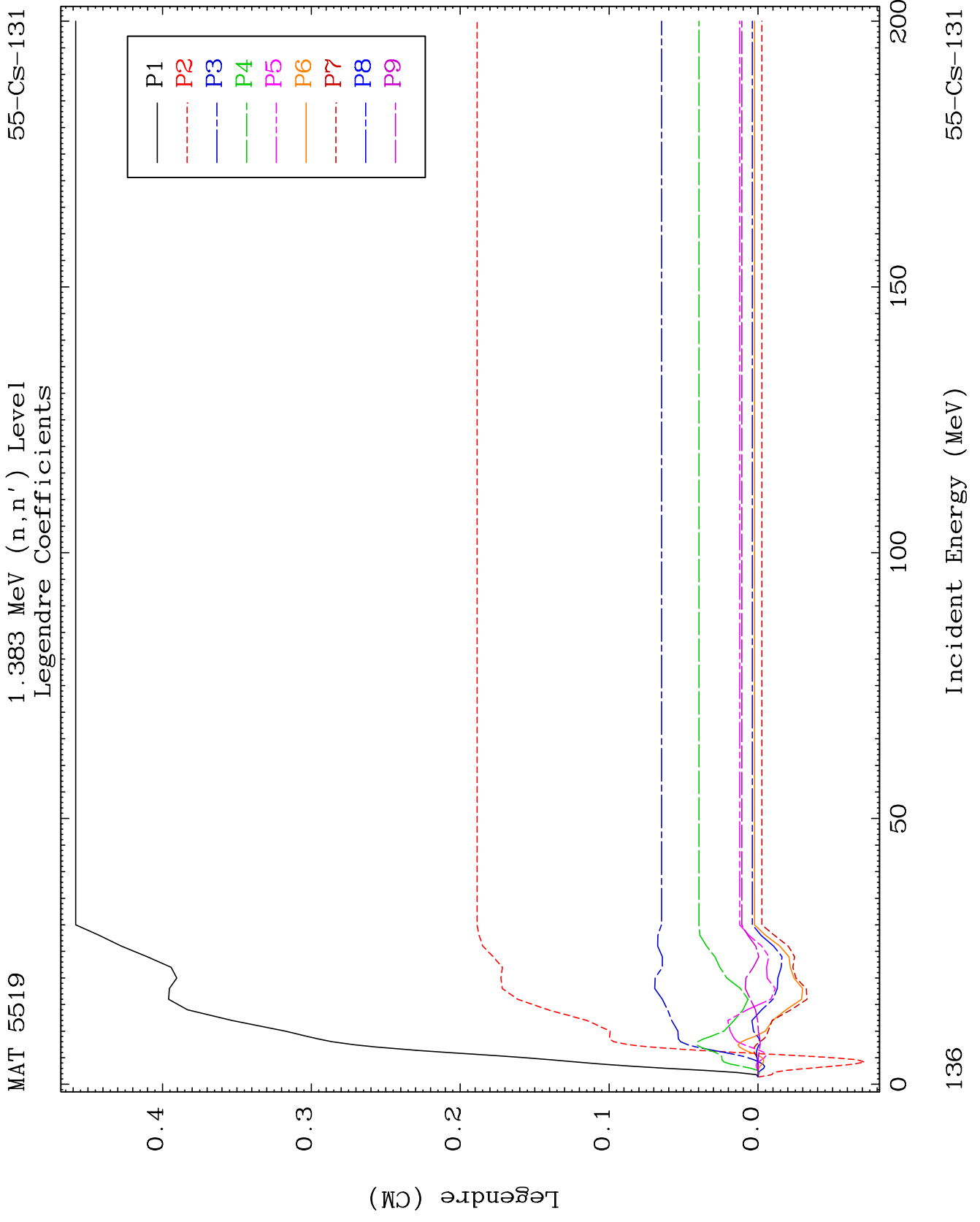








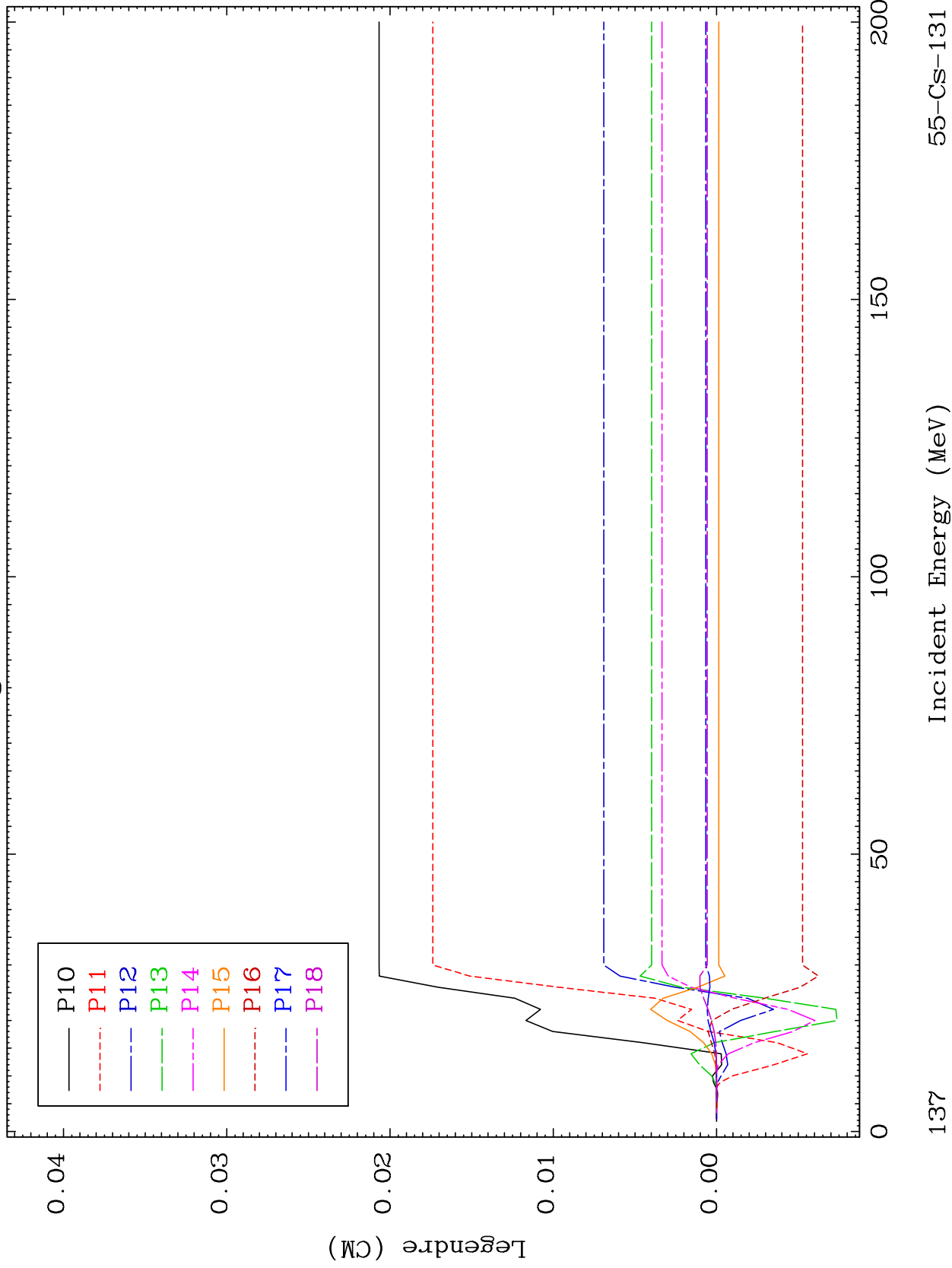




MAT 5519

1.383 MeV (n,n') Level  
Legendre Coefficients

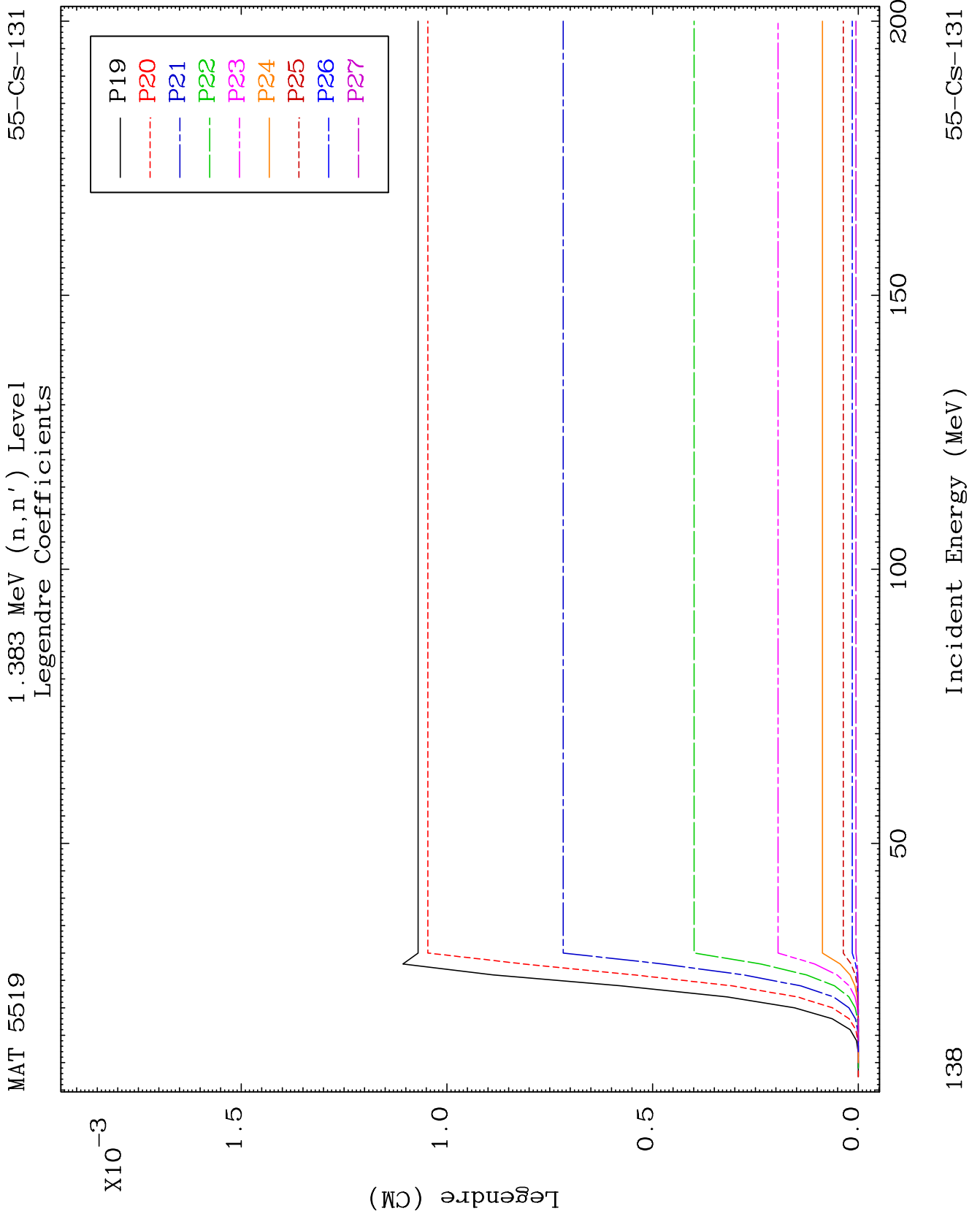
55-Cs-131

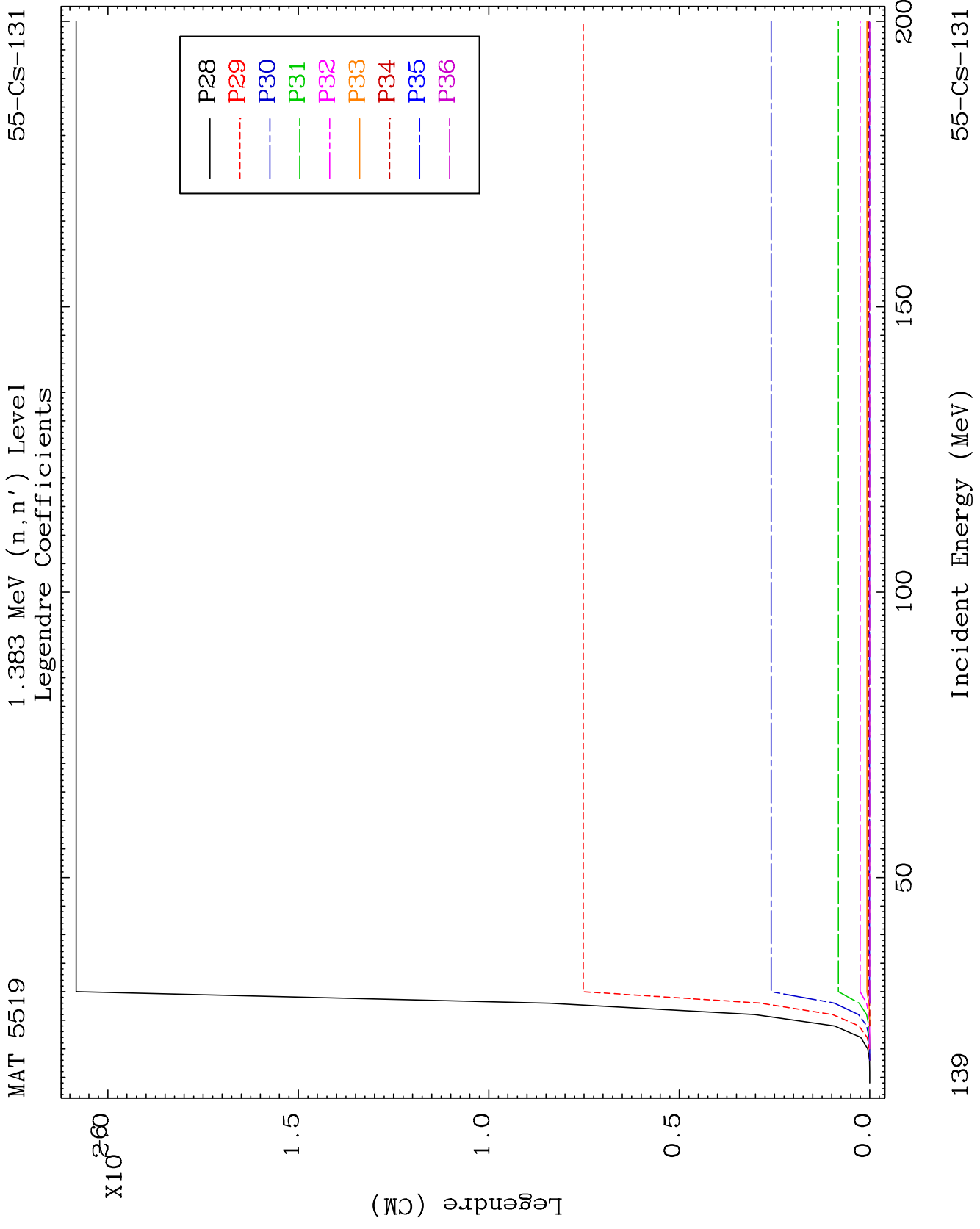


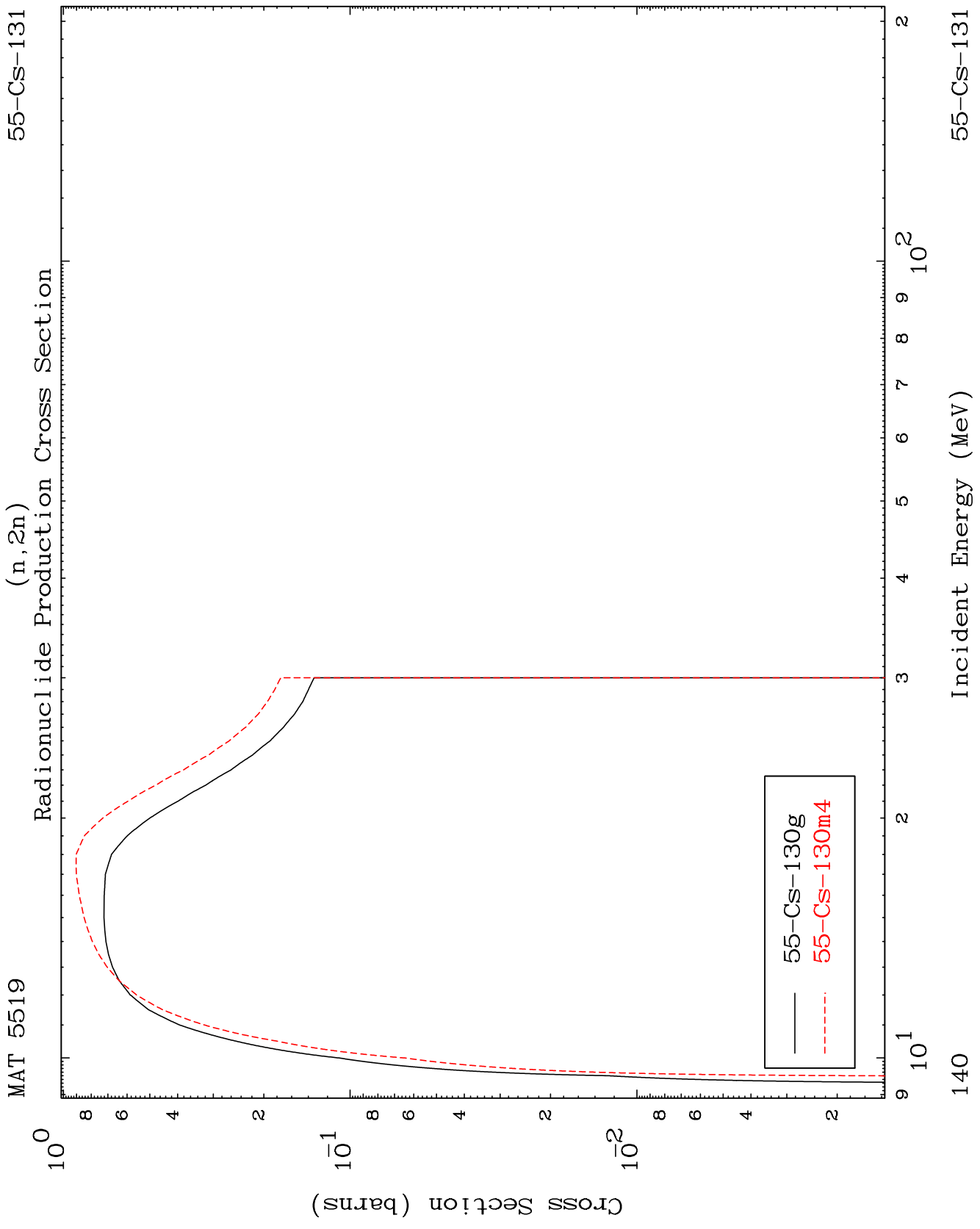
137

Incident Energy (MeV)

55-Cs-131



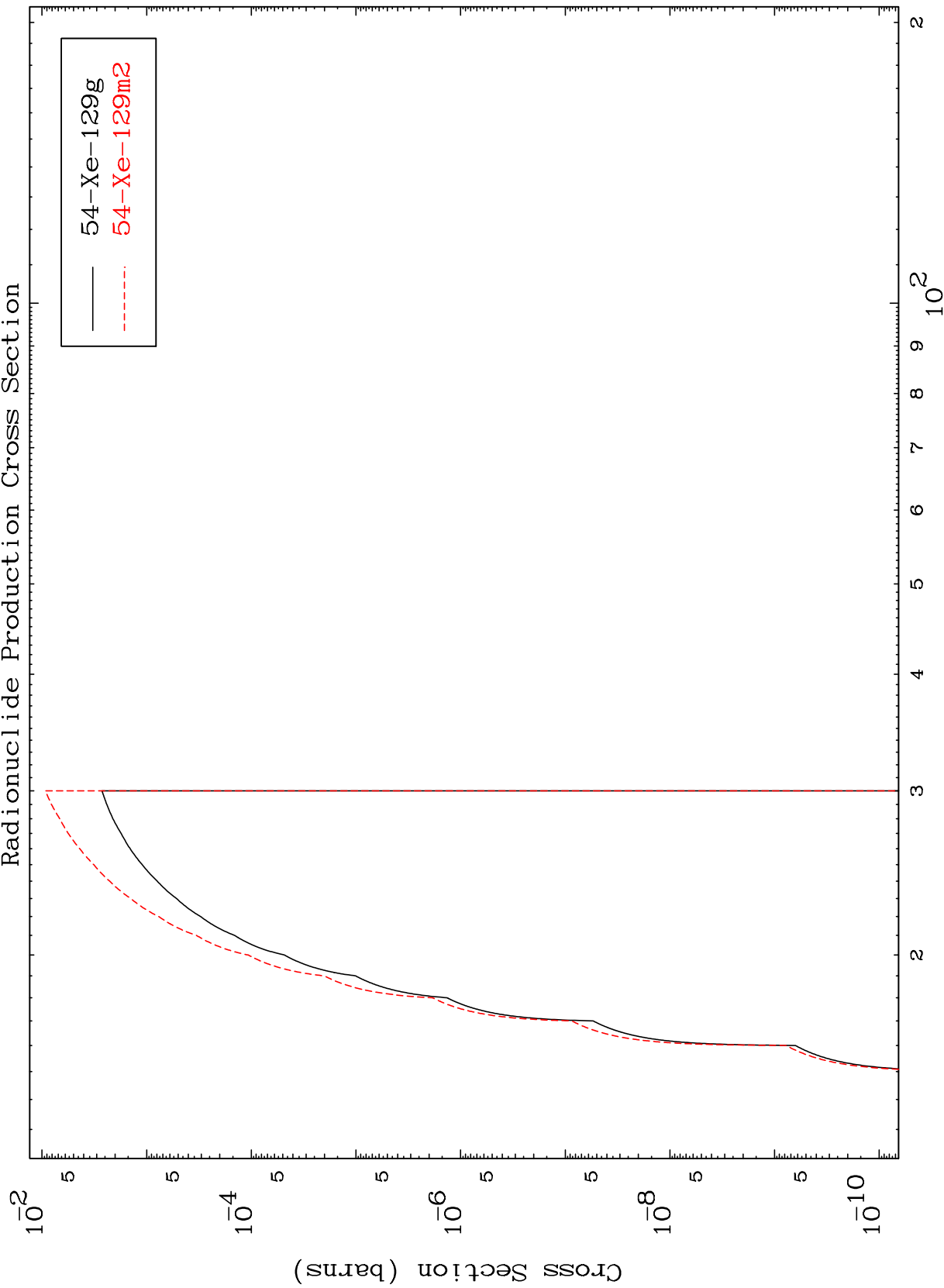




MAT 5519

55-Cs-131

$(n, n')$  d  
Radionuclide Production Cross Section



141

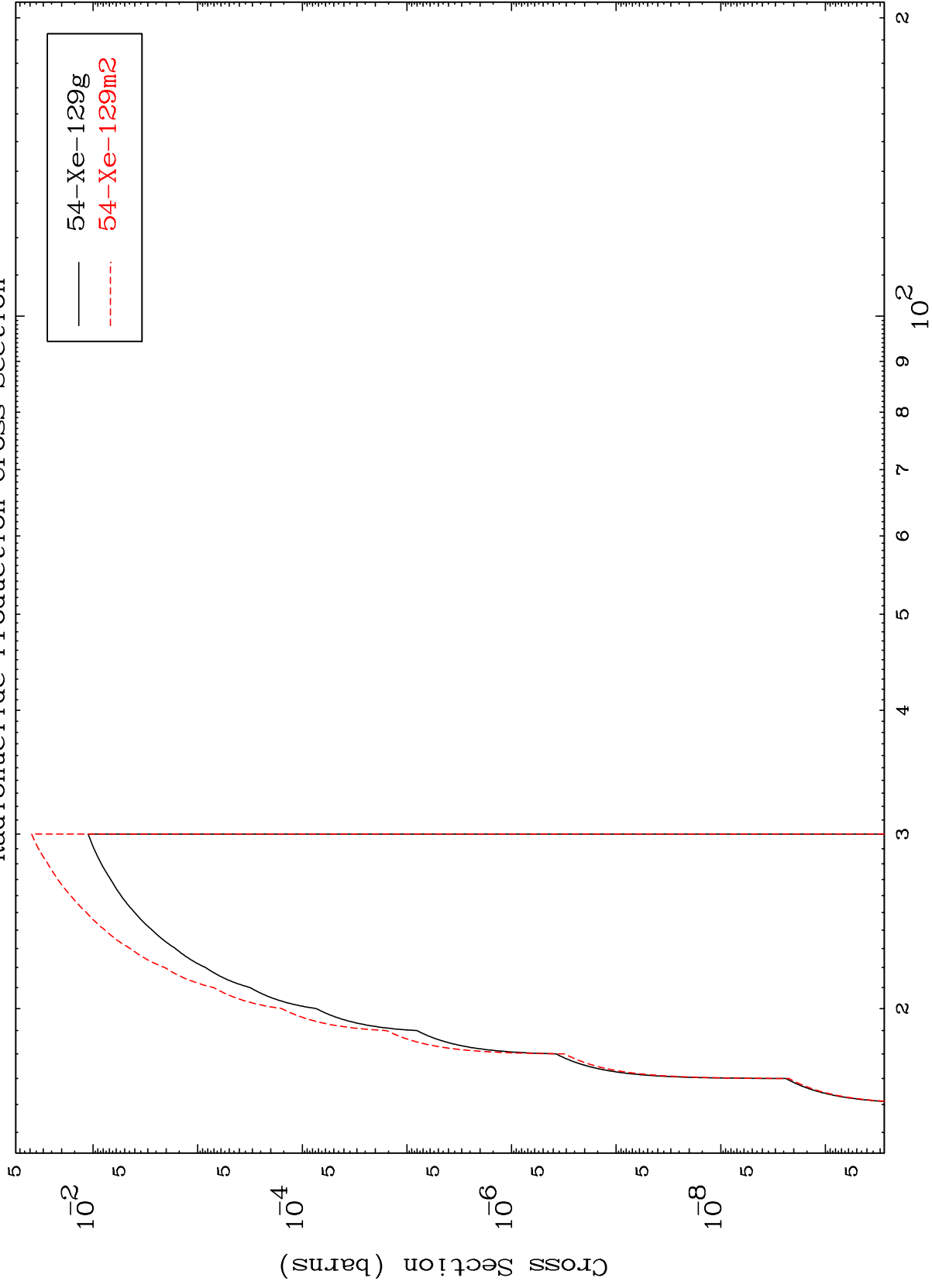
Incident Energy (MeV)

55-Cs-131

MAT 5519

55-Cs-131

(n,2n) p  
Radionuclide Production Cross Section



142

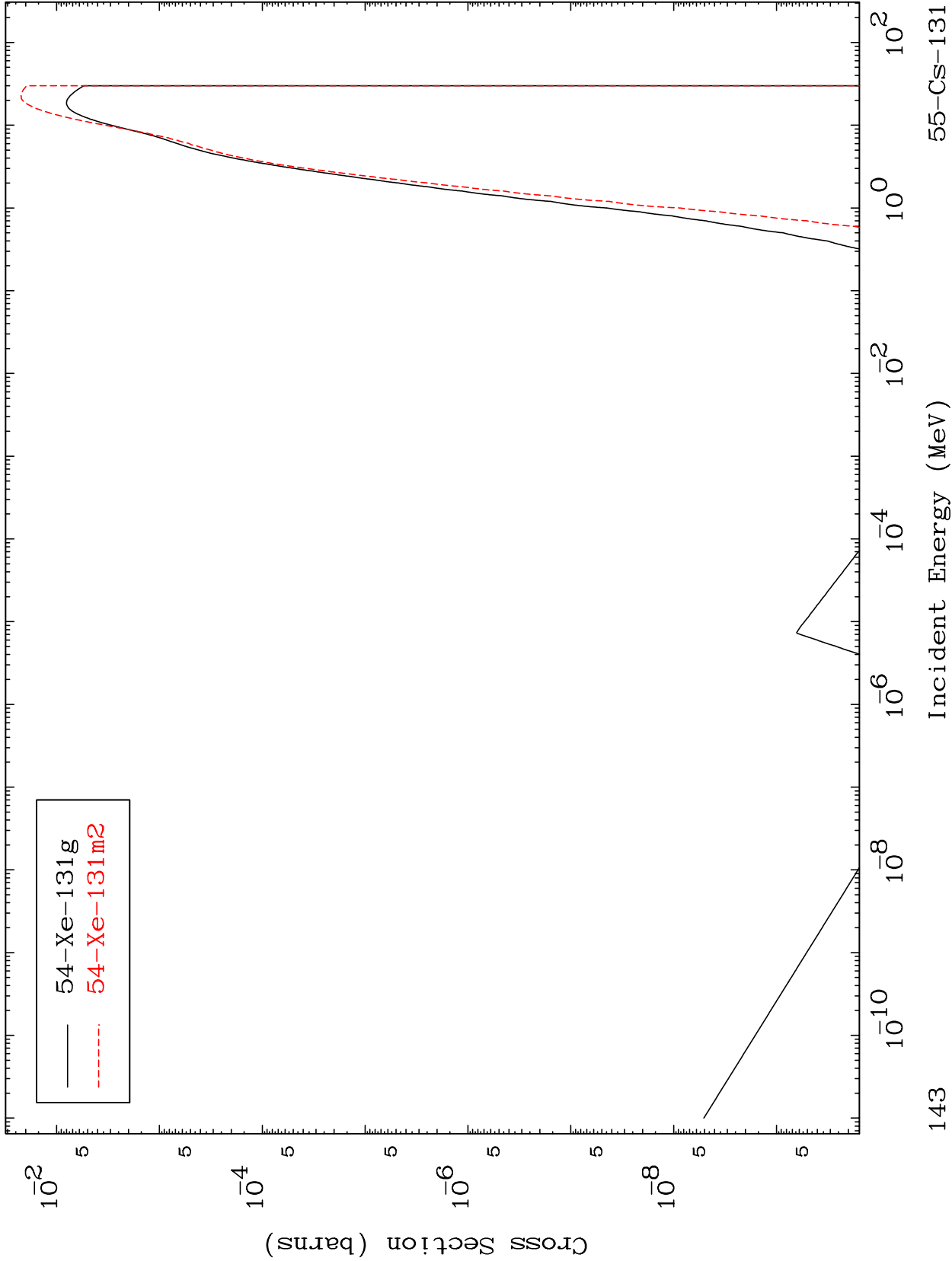
Incident Energy (MeV)

55-Cs-131

MAT 5519

55-Cs-131

(n,p)  
Radionuclide Production Cross Section



143

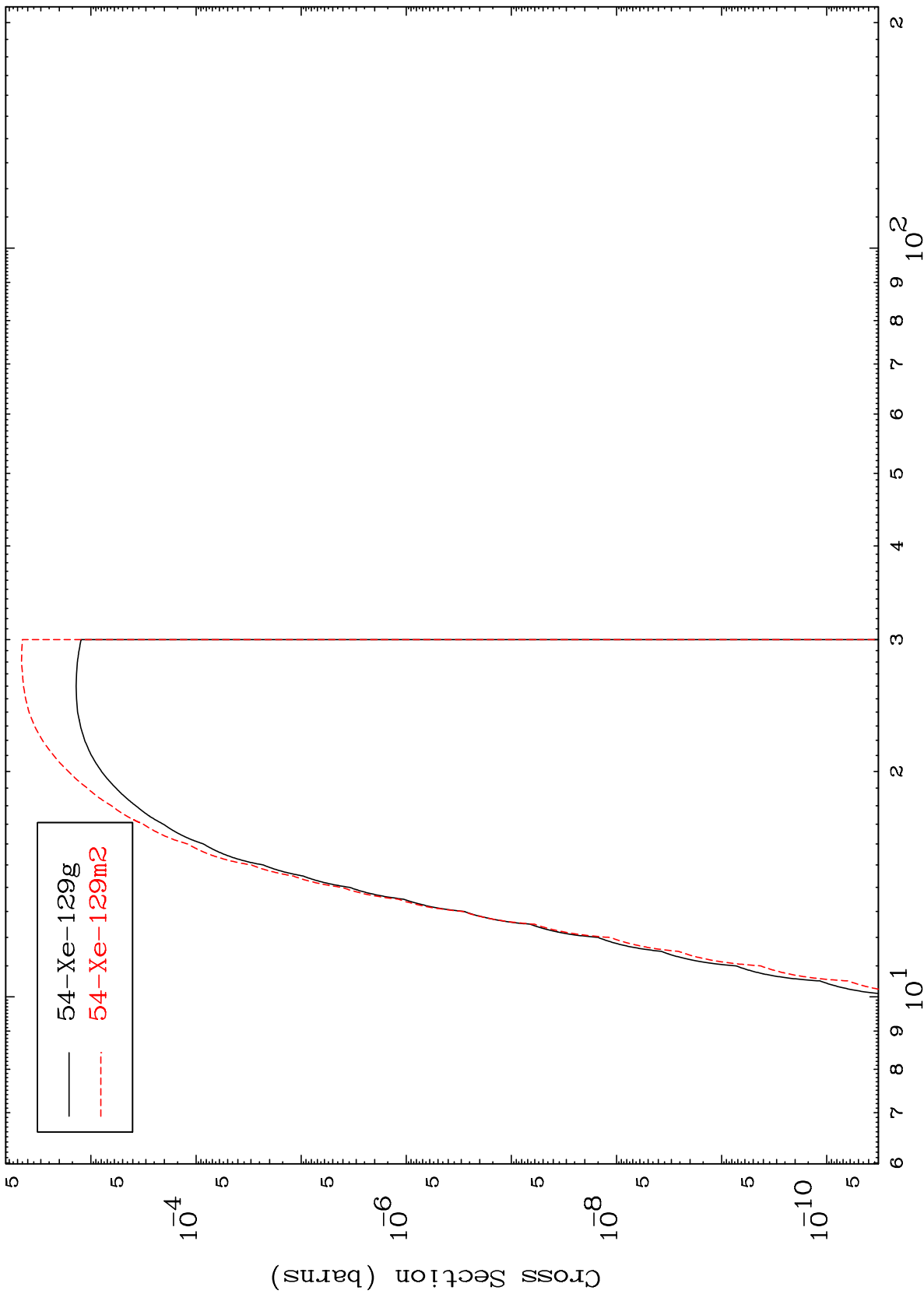
55-Cs-131



MAT 5519

55-Cs-131

(n,t)  
Radionuclide Production Cross Section



54-Xe-129g  
54-Xe-129m2

55-Cs-131

Incident Energy (MeV)

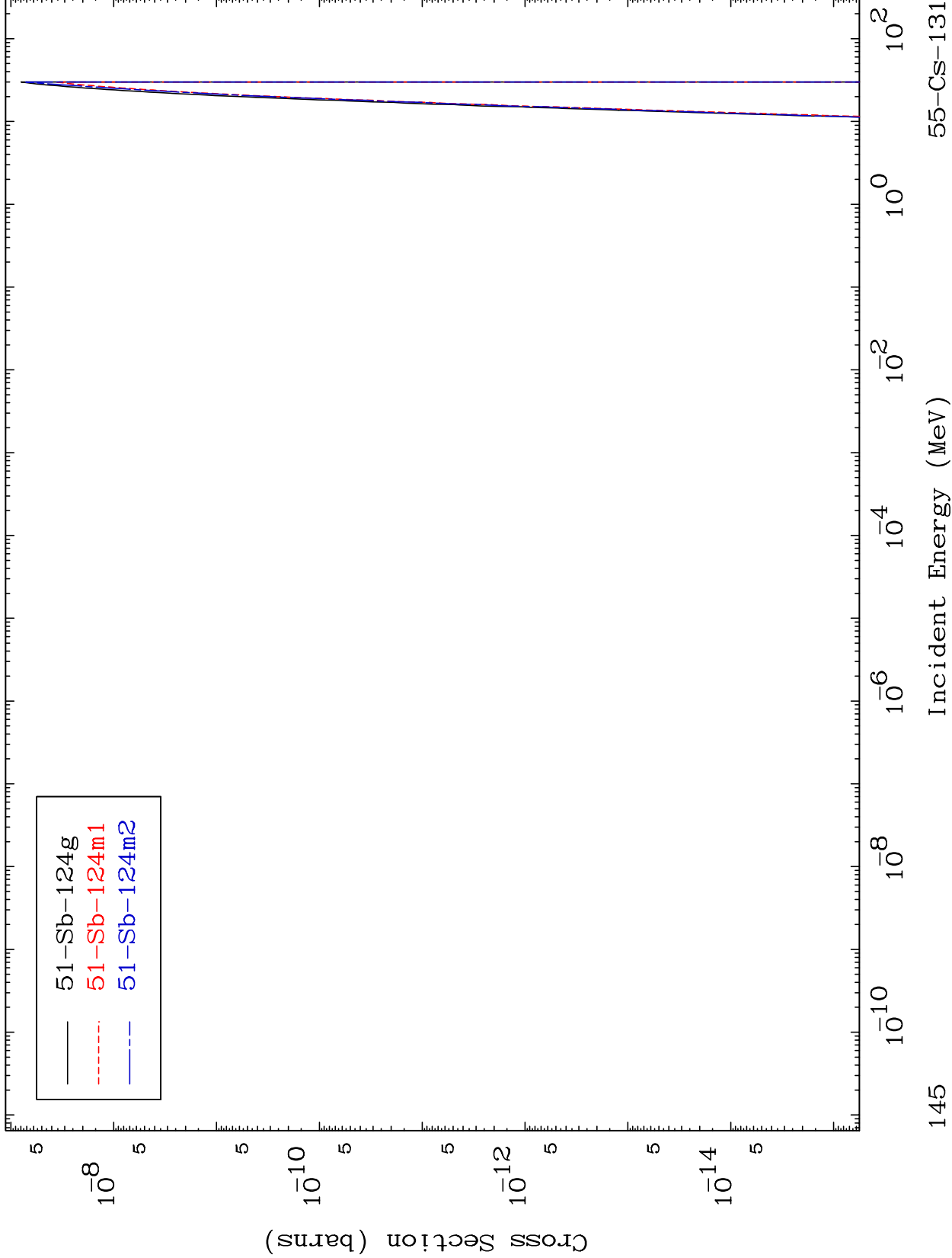
144

MAT 5519

(n,2α)

55-Cs-131

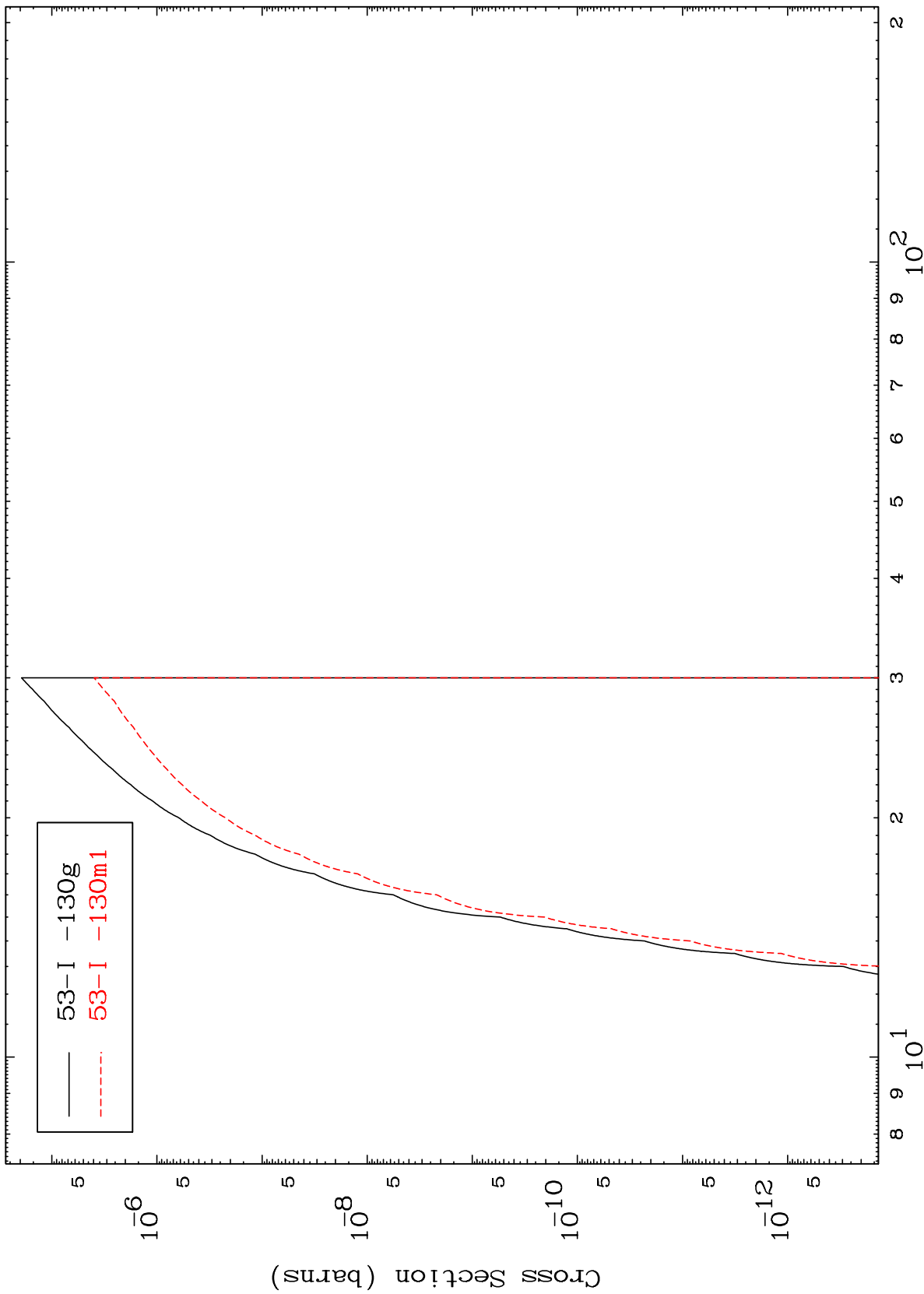
Radionuclide Production Cross Section



MAT 5519

55-Cs-131

(n,2p)  
Radionuclide Production Cross Section



53-I -130g  
53-I -130m1

146

Incident Energy (MeV)

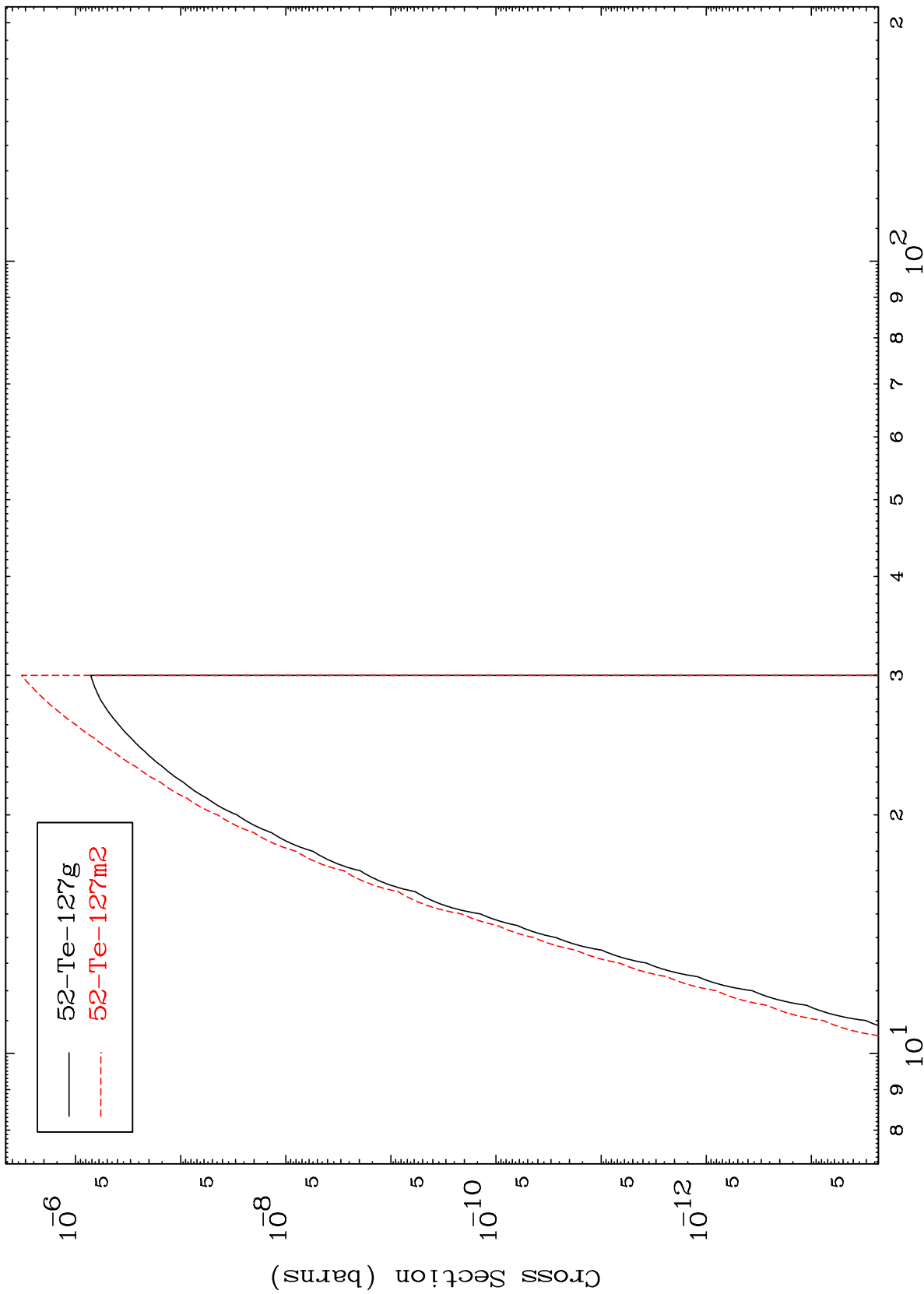
55-Cs-131

MAT 5519

55-Cs-131

(n,p)  $\alpha$

Radionuclide Production Cross Section



147

Incident Energy (MeV)

55-Cs-131