

Program EVALPLOT  
(Version 2015-2)

by

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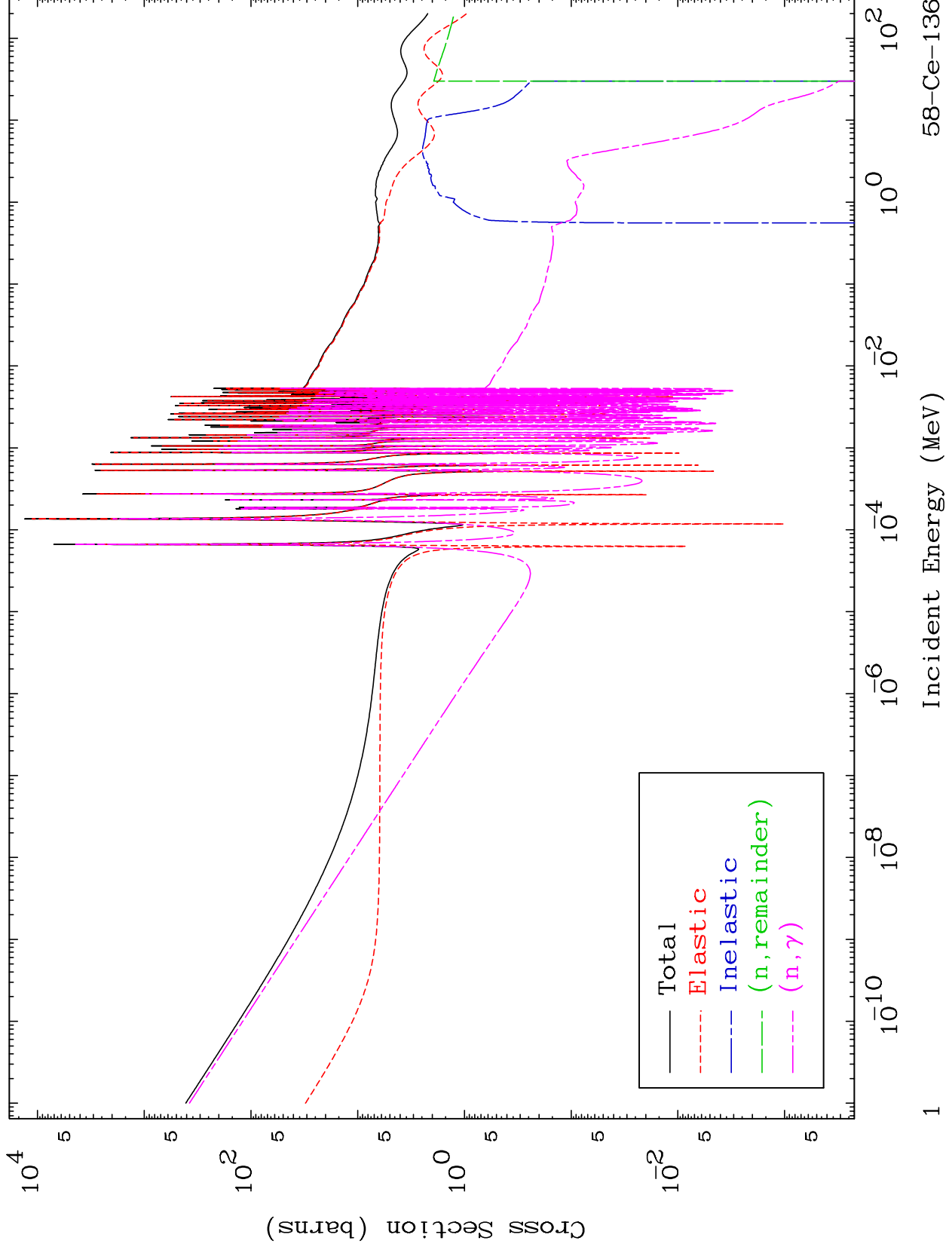
Press Mouse Button to Start

MAT 5825

Major

293 Kelvin Cross Sections

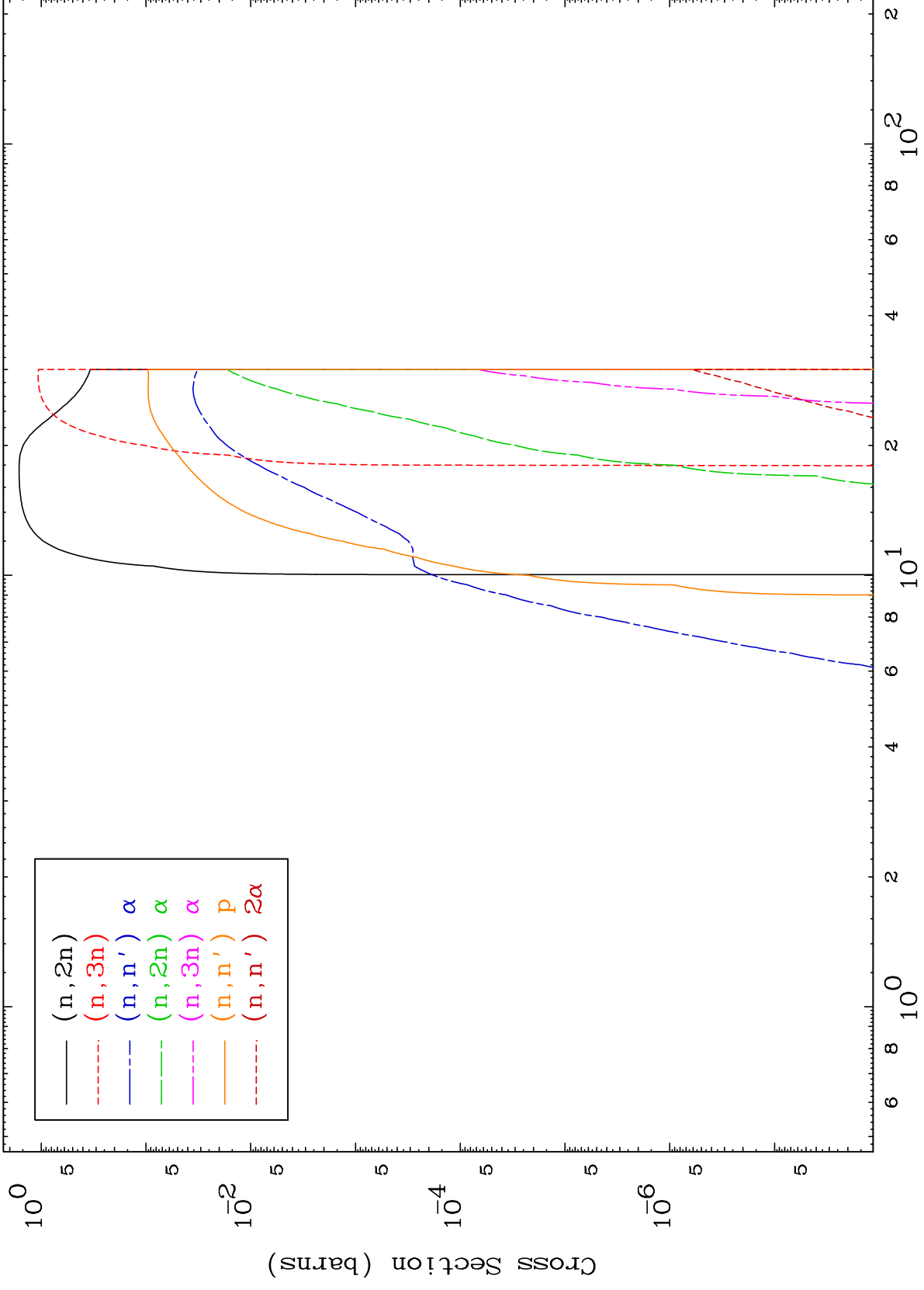
58-Ce-136



MAT 5825

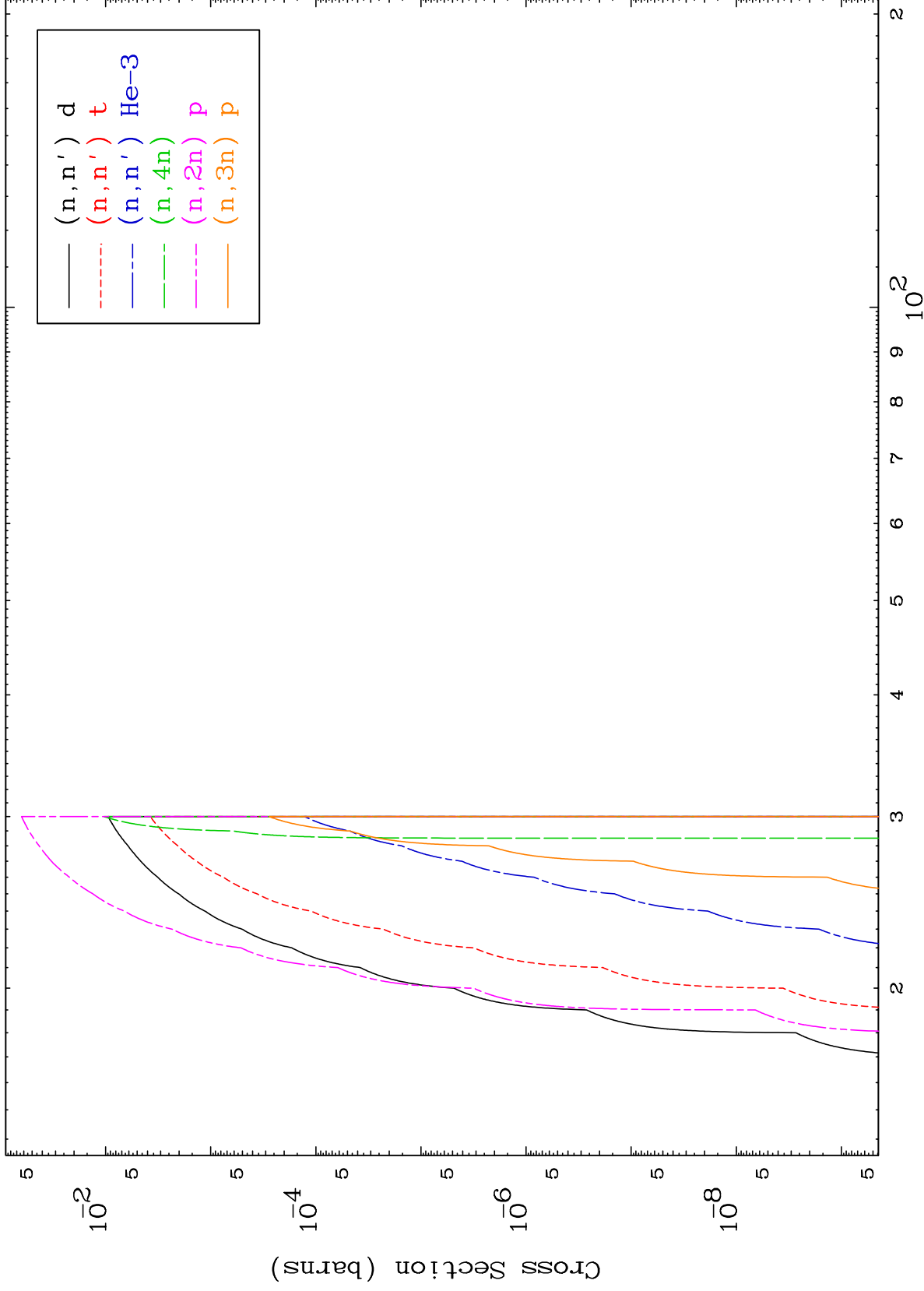
Neutron Production  
293 Kelvin Cross Sections

58-Ce-136



58-Ce-136

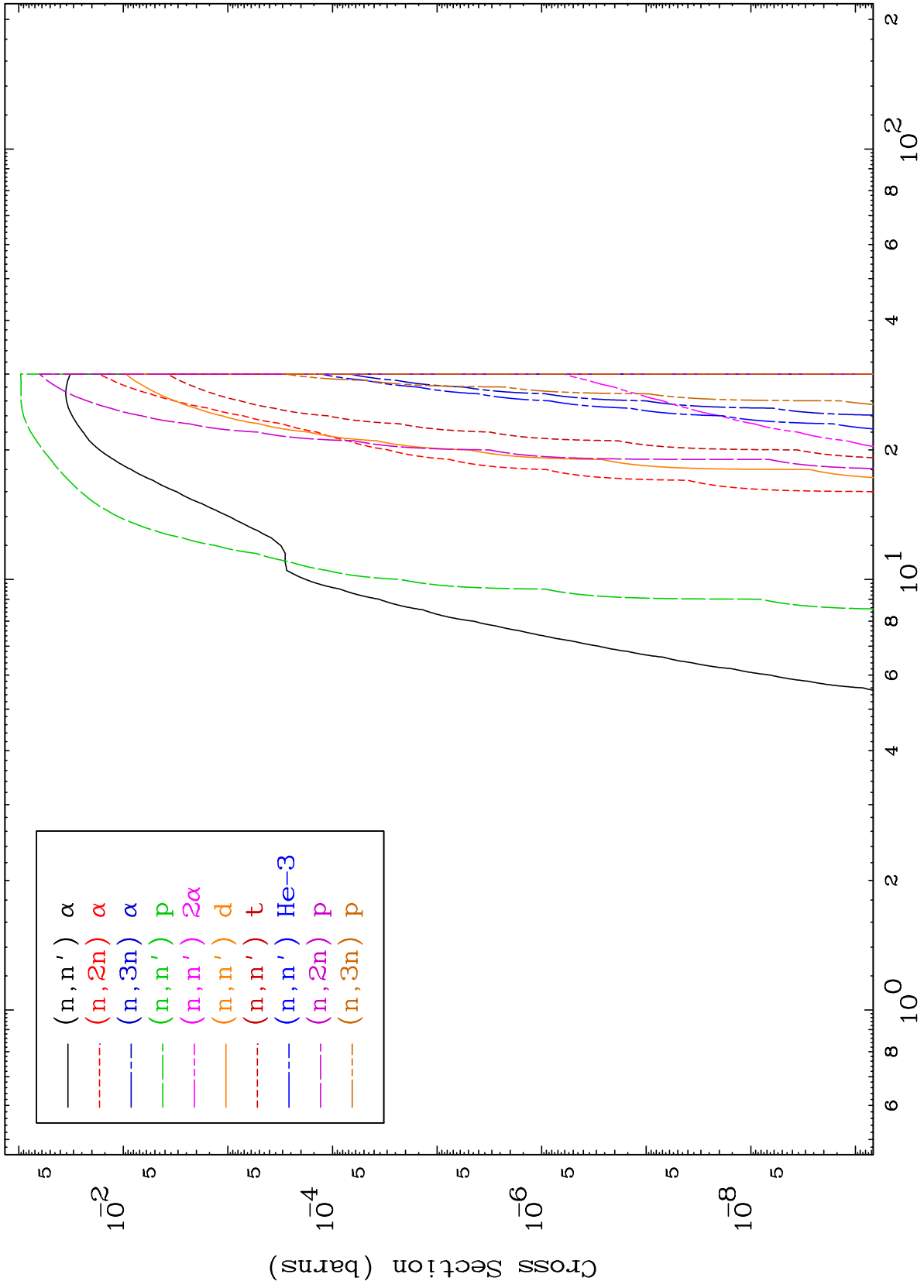
Incident Energy (MeV)



MAT 5825

Charged Particle  
293 Kelvin Cross Sections

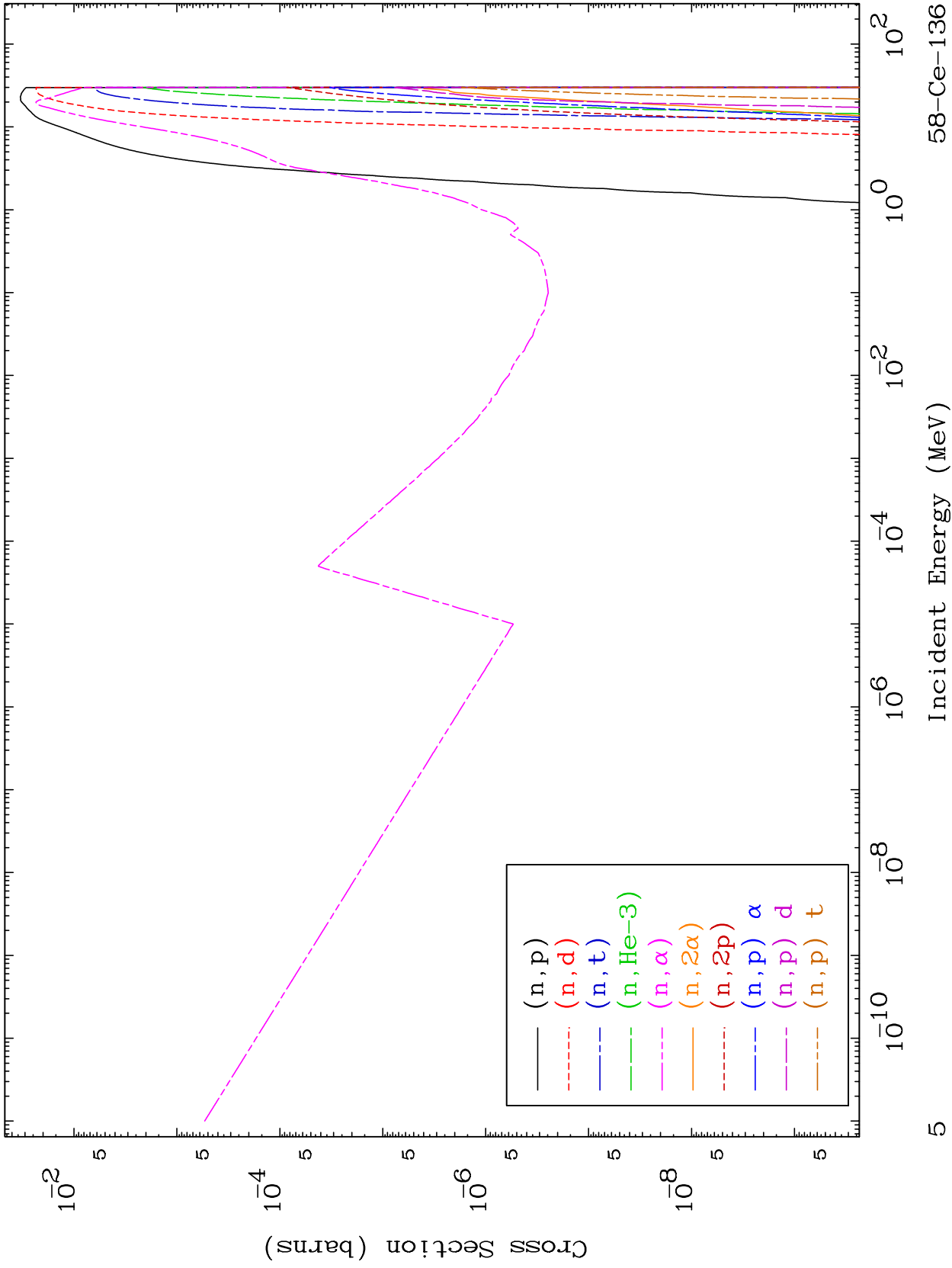
58-Ce-136

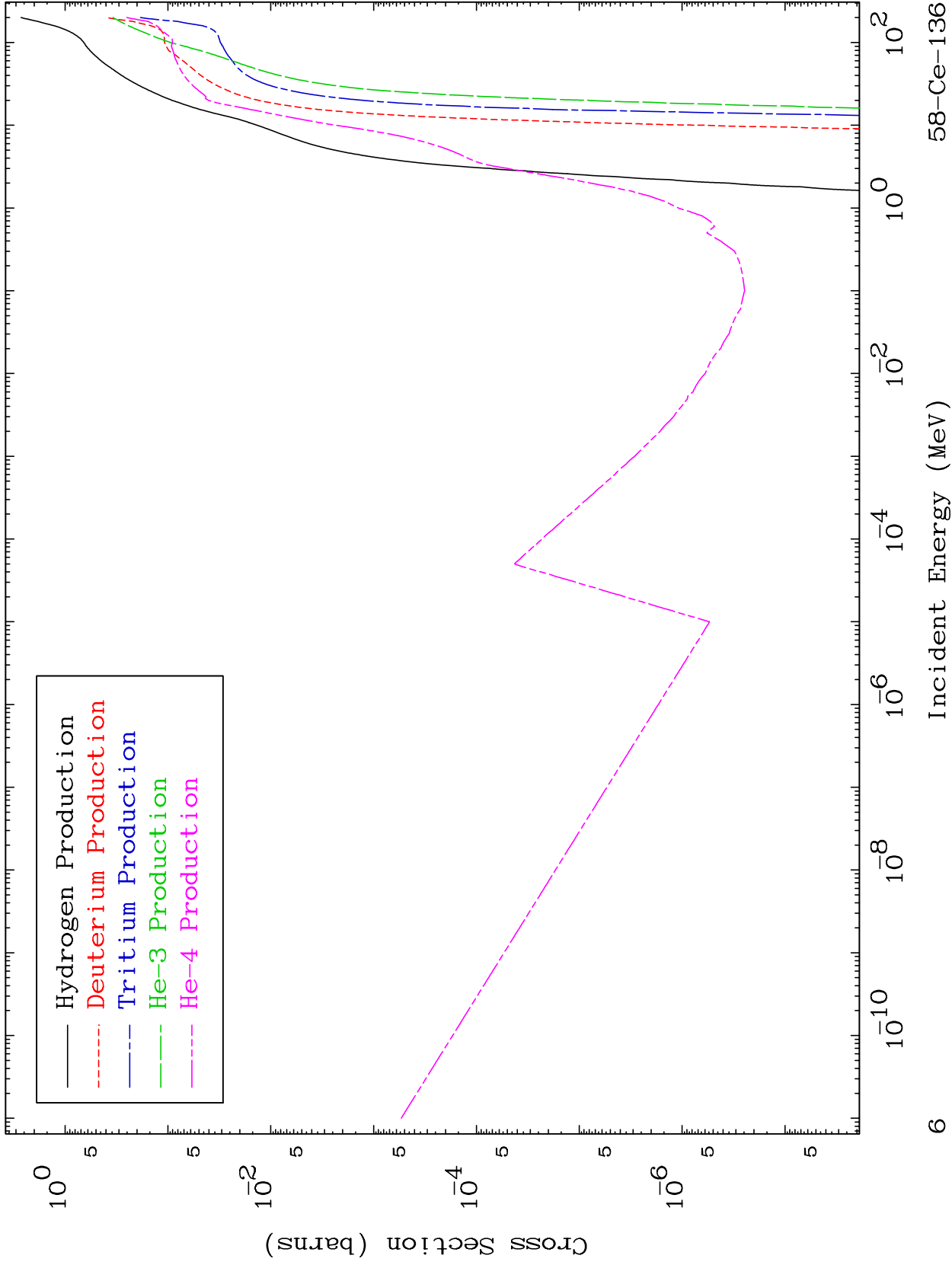


MAT 5825

Charged Particle  
293 Kelvin Cross Sections

58-Ce-136

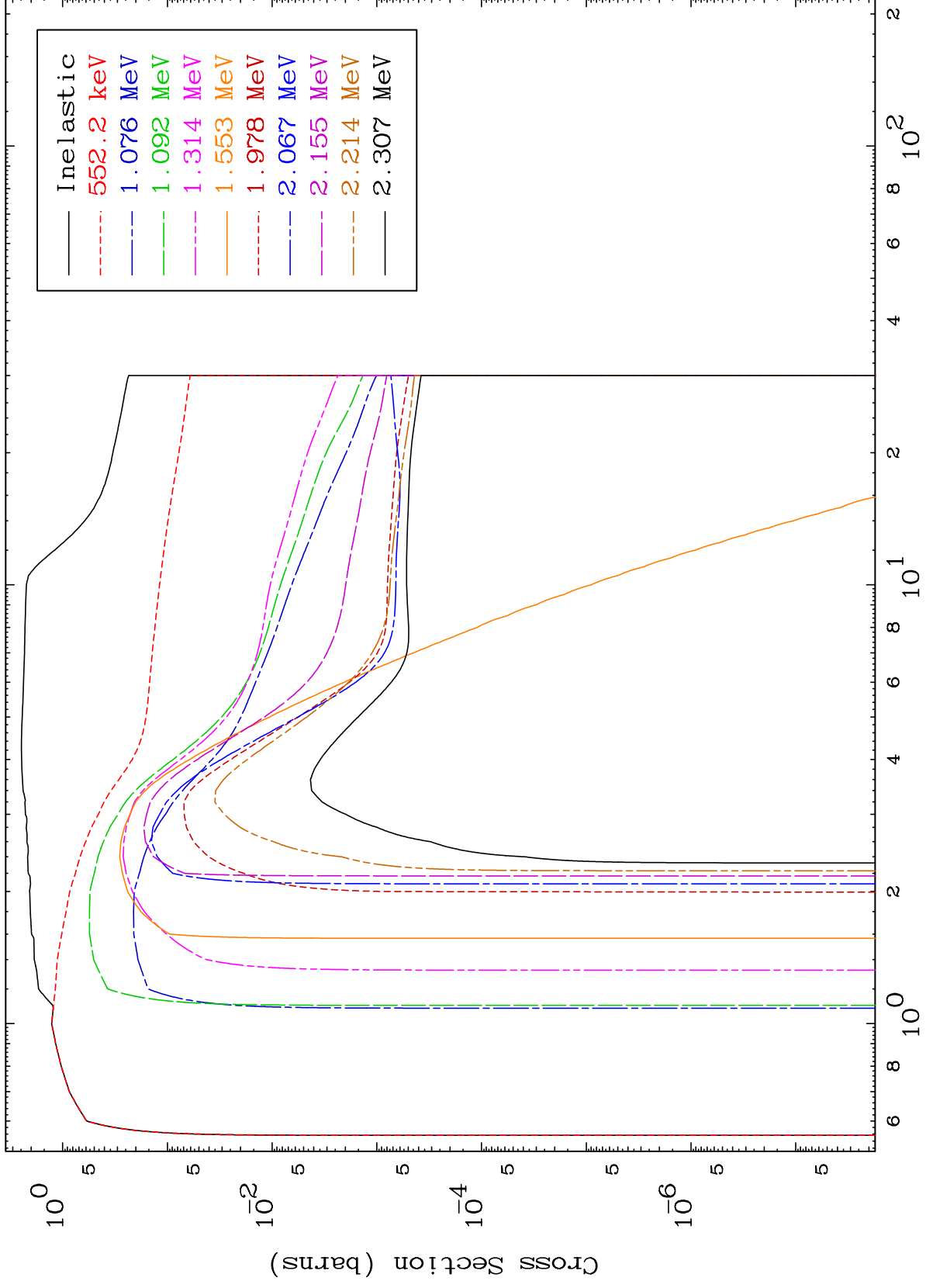




MAT 5825

(n,n') Level  
293 Kelvin Cross Sections

58-Ce-136



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Incident Energy (MeV)

58-Ce-136

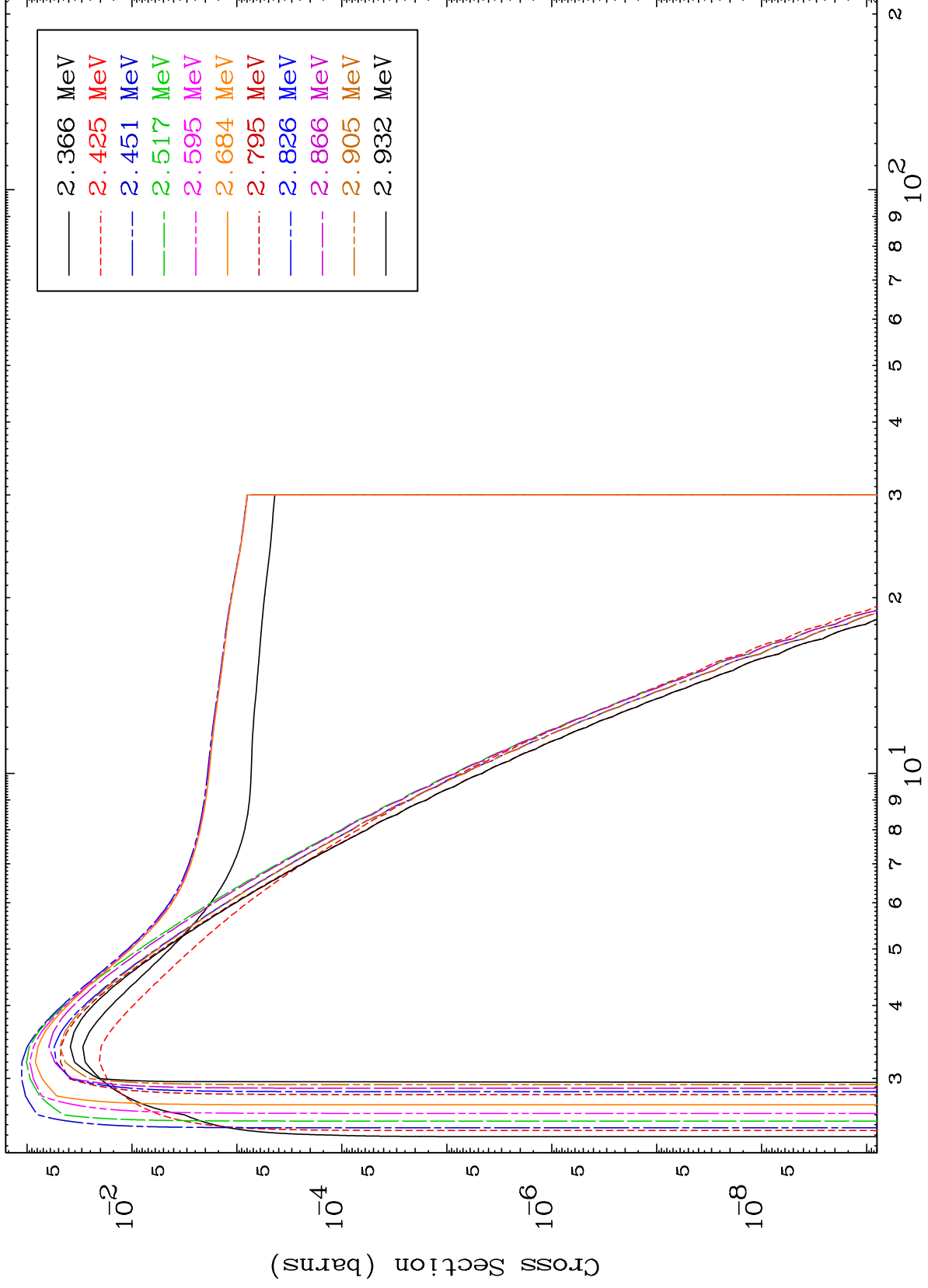


MAT 5825

(n,n') Level

58-Ce-136

293 Kelvin Cross Sections



8

Incident Energy (MeV)

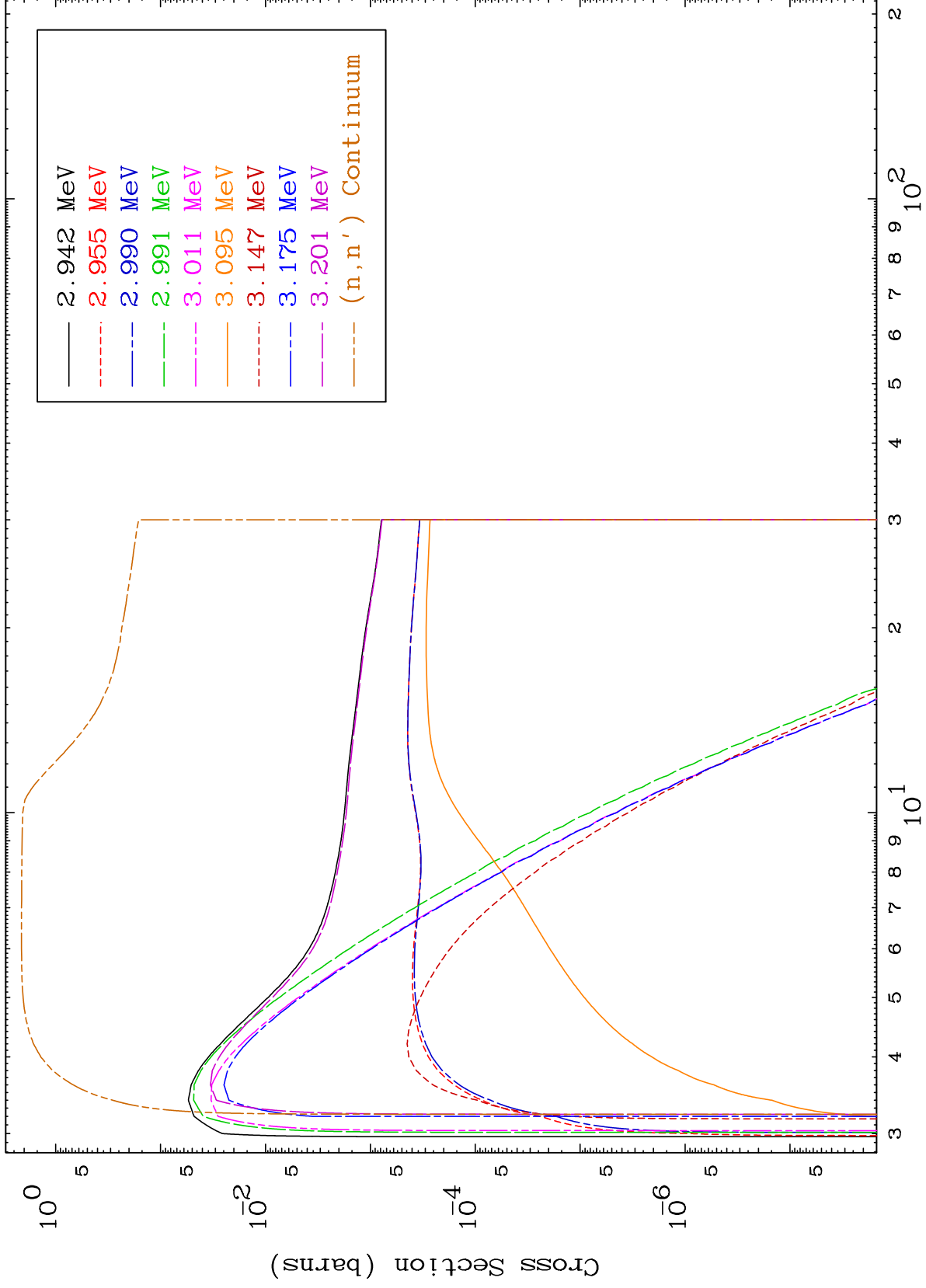
58-Ce-136

MAT 5825

(n,n') Level

58-Ce-136

293 Kelvin Cross Sections



9

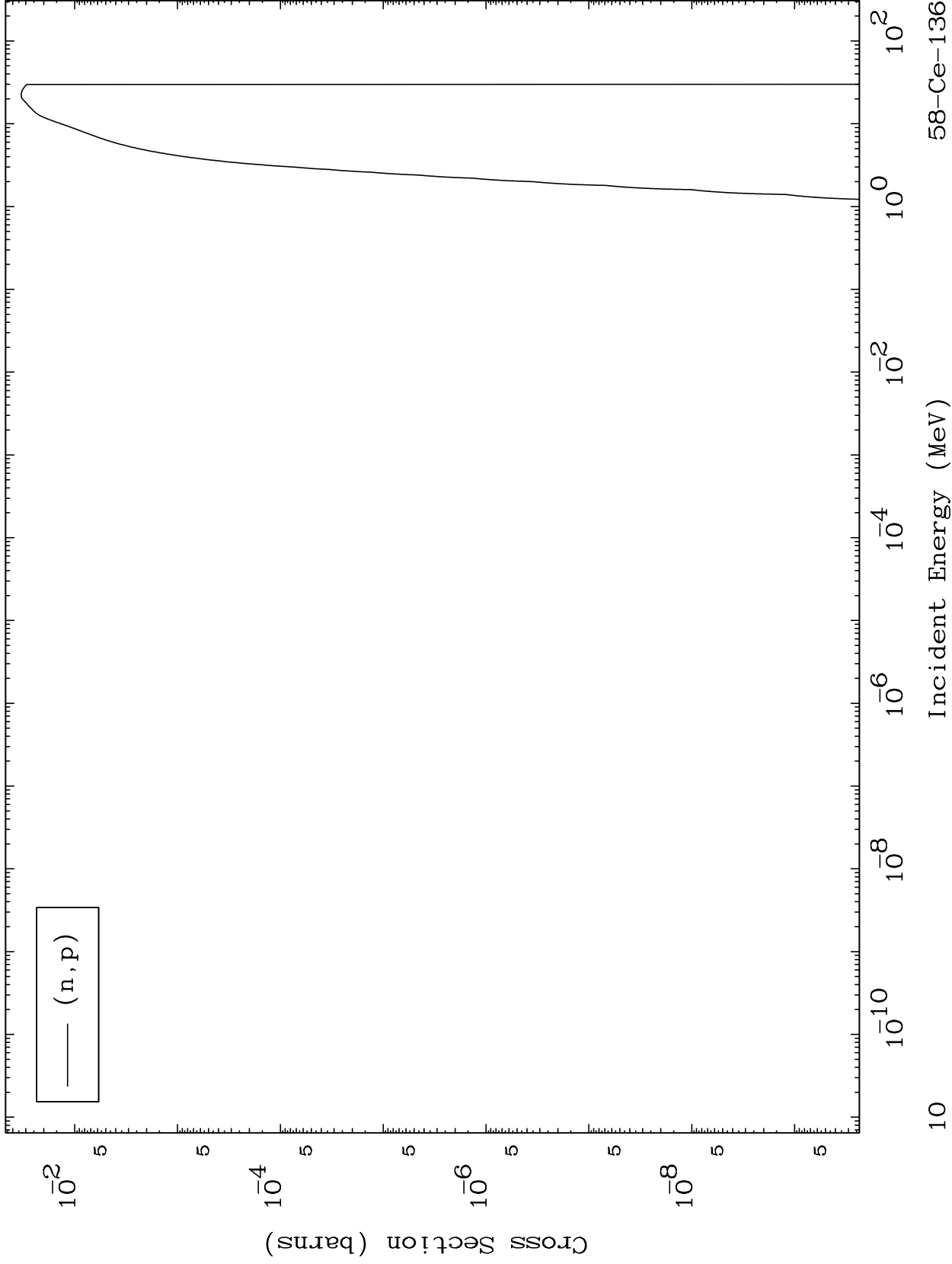
Incident Energy (MeV)

58-Ce-136

MAT 5825

(n,p) Levels  
293 Kelvin Cross Sections

58-Ce-136



10

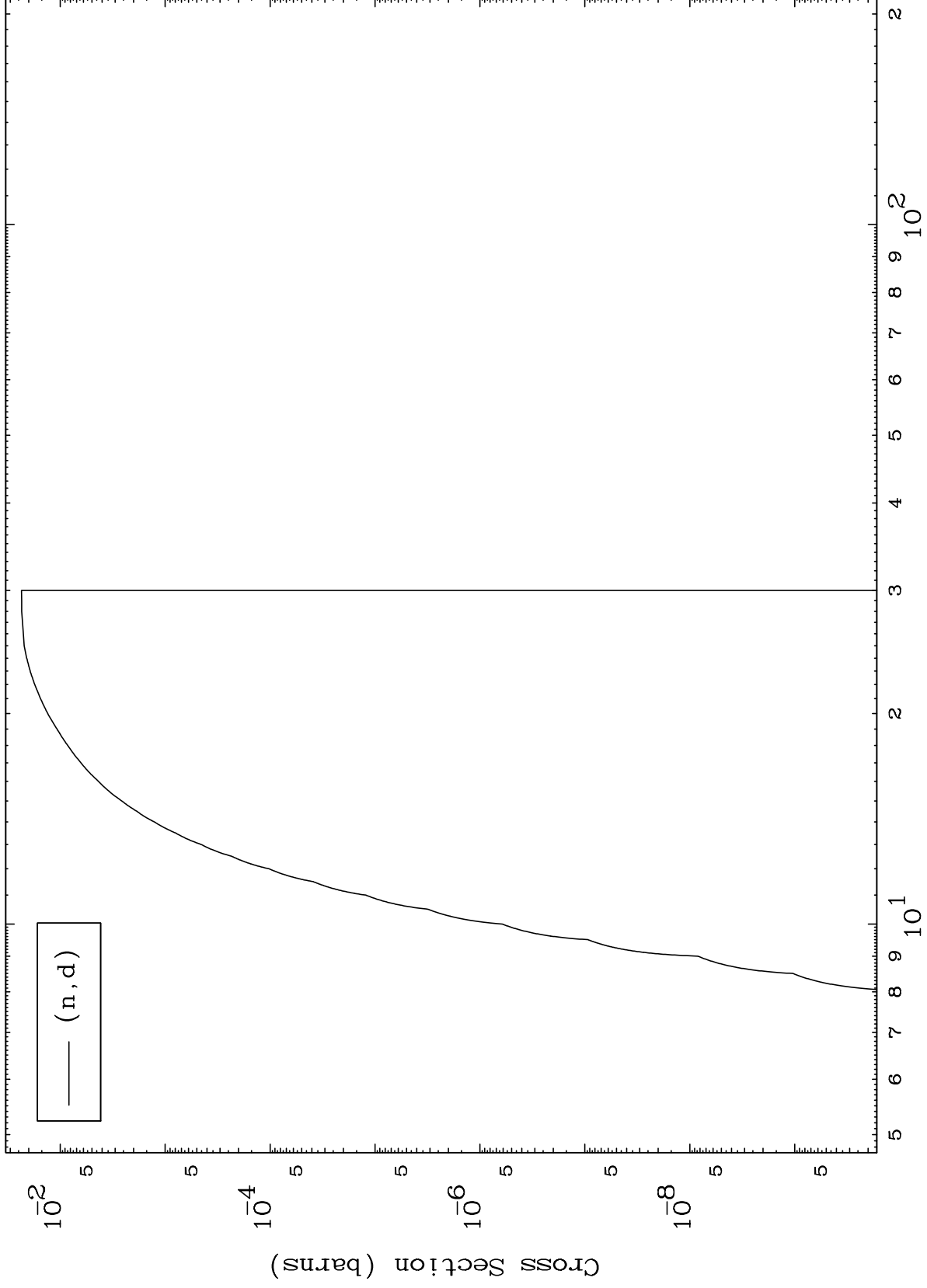
Incident Energy (MeV)

58-Ce-136

MAT 5825

(n,d) Levels  
293 Kelvin Cross Sections

58-Ce-136



11

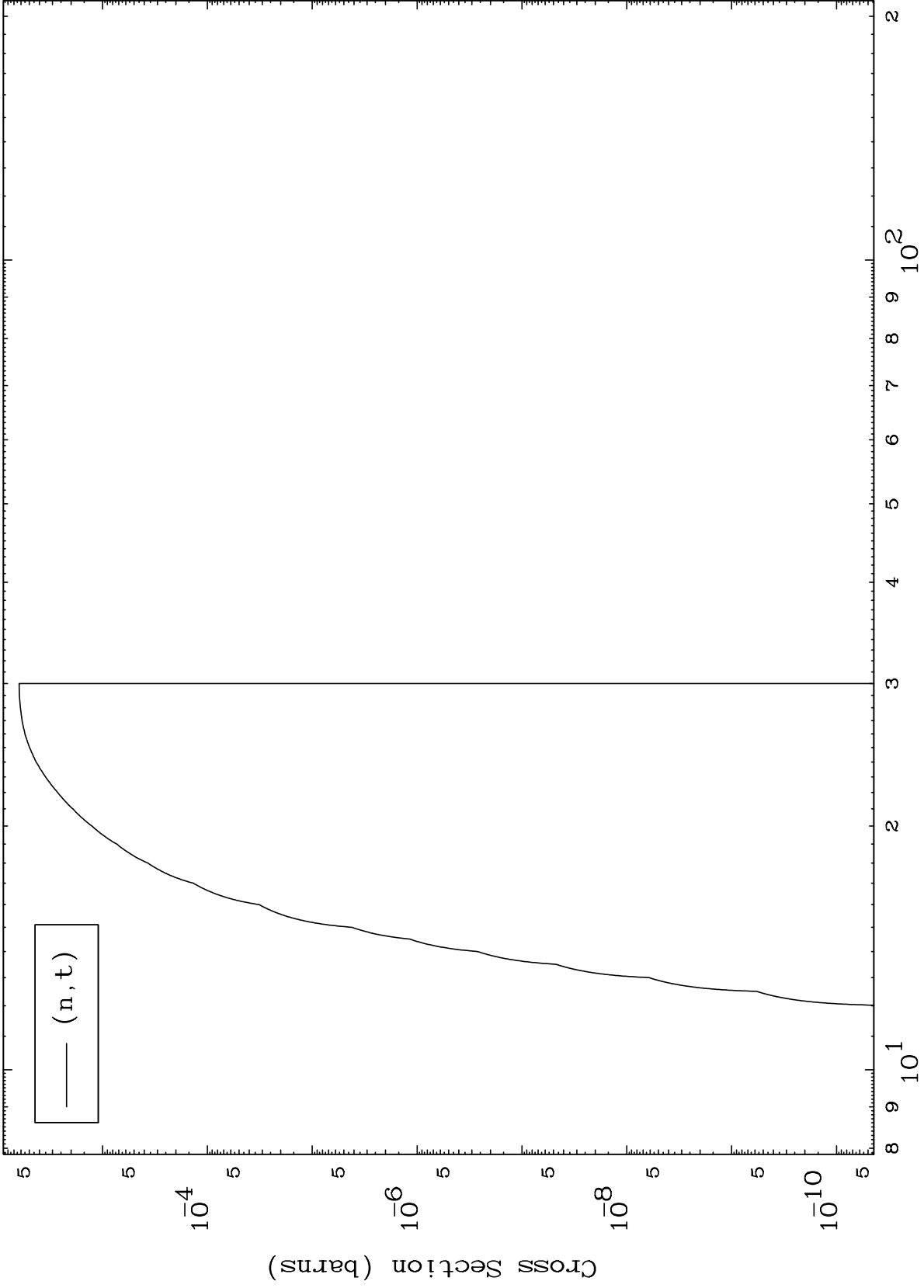
Incident Energy (MeV)

58-Ce-136

MAT 5825

(n,t) Levels  
293 Kelvin Cross Sections

58-Ce-136



12

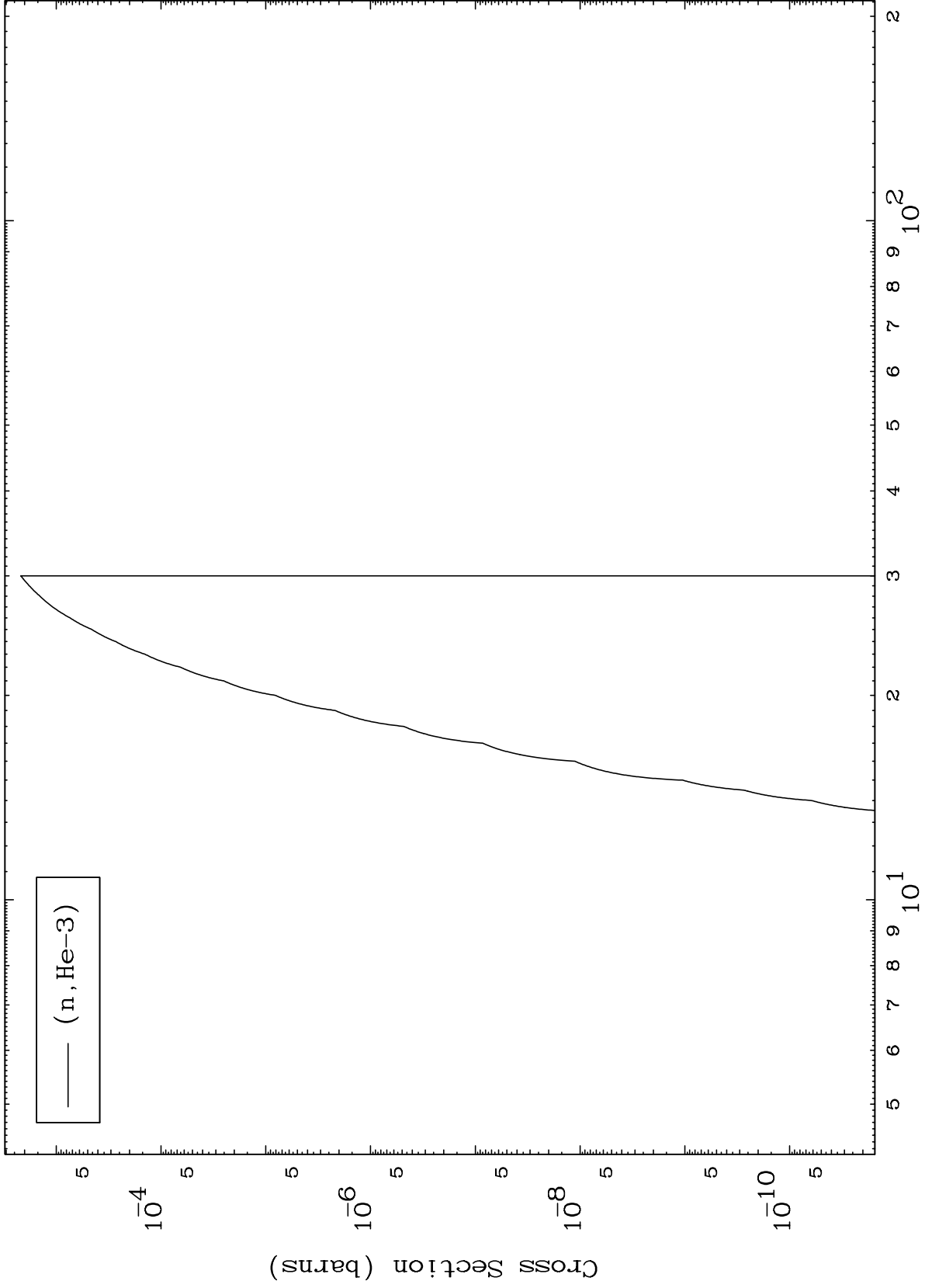
Incident Energy (MeV)

58-Ce-136

MAT 5825

(n,He3) Levels  
293 Kelvin Cross Sections

58-Ce-136



13

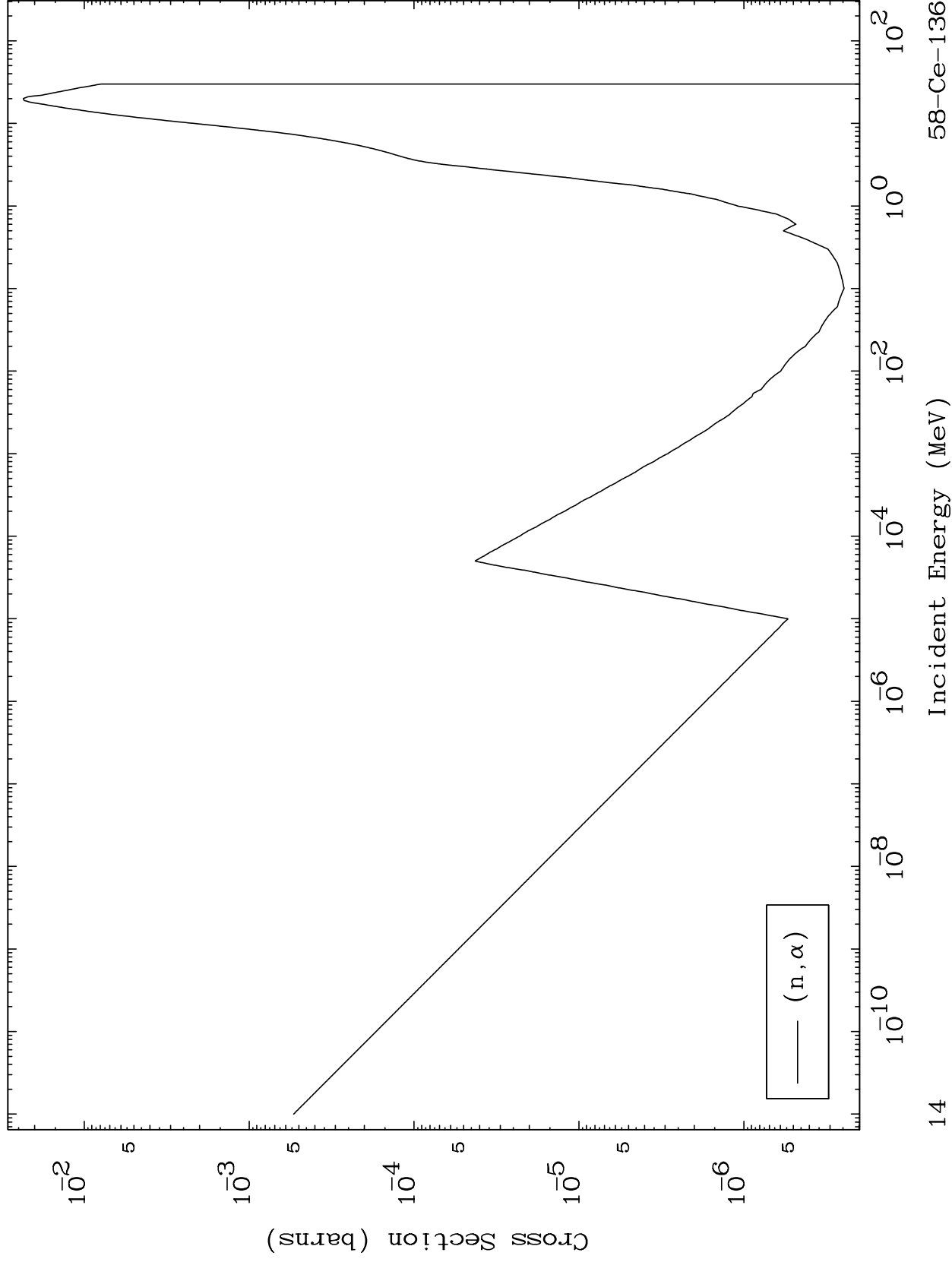
Incident Energy (MeV)

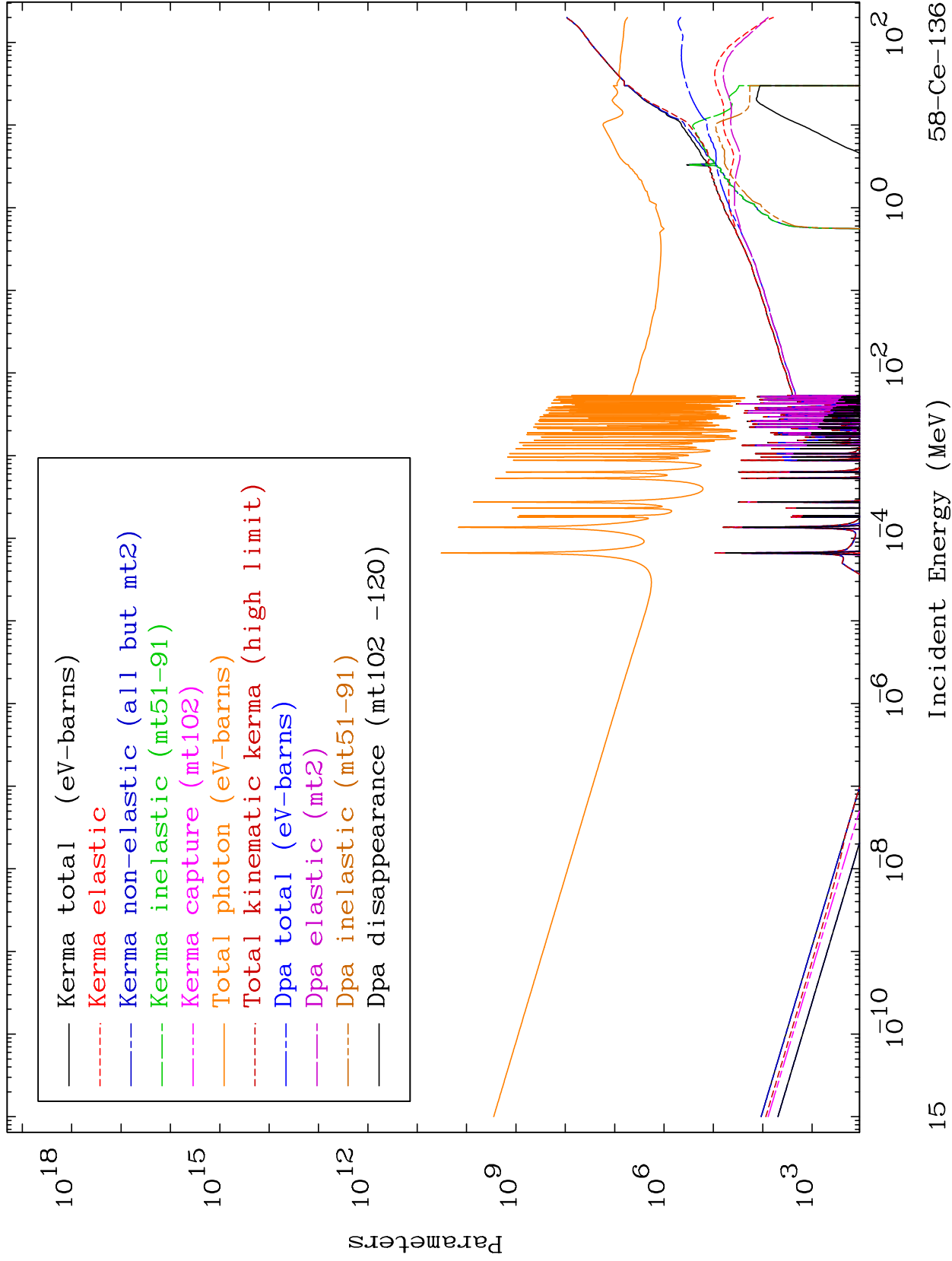
58-Ce-136

MAT 5825

(n,α) Levels  
293 Kelvin Cross Sections

58-Ce-136



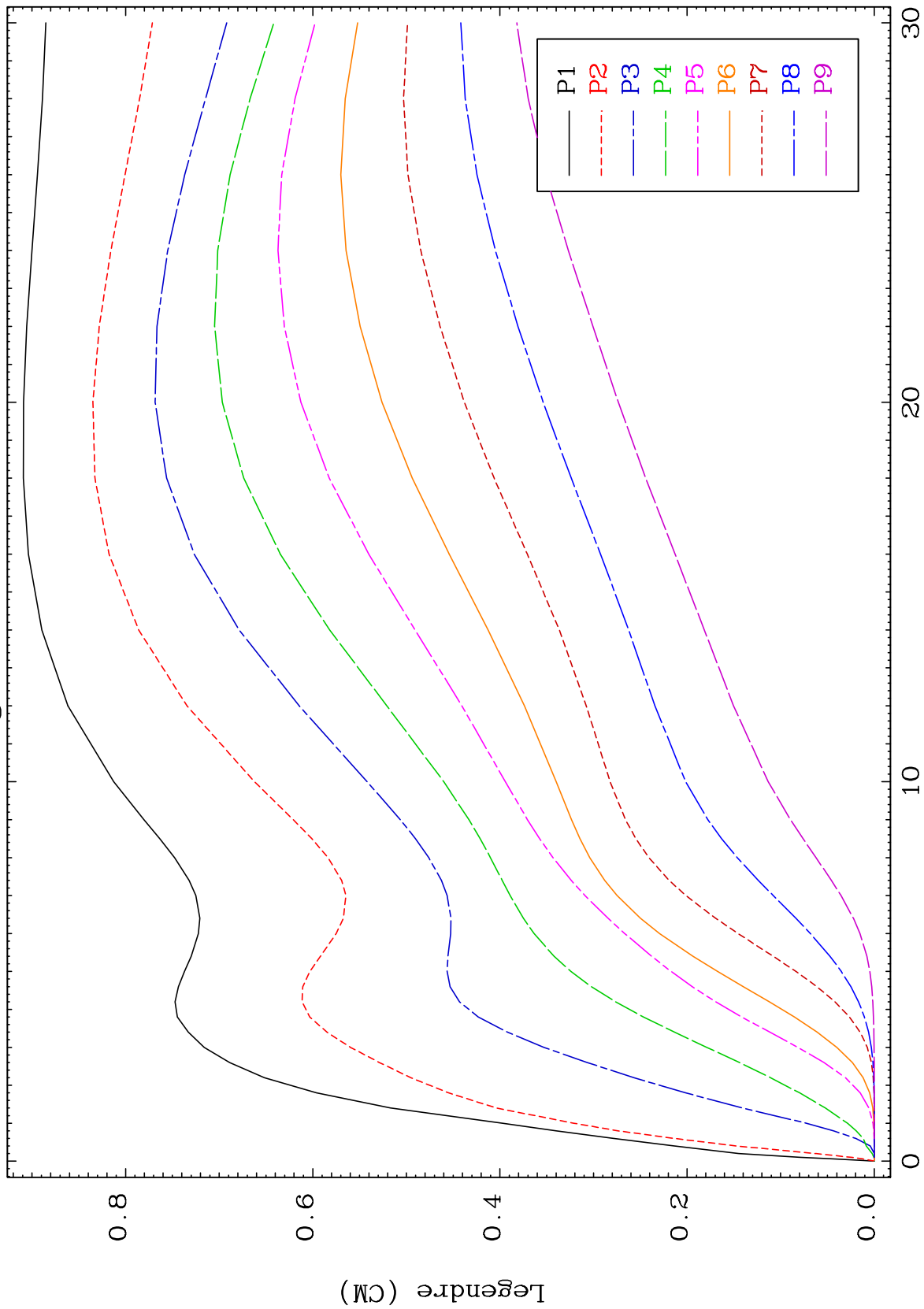




MAT 5825

Elastic Legendre Coefficients

58-Ce-136



16

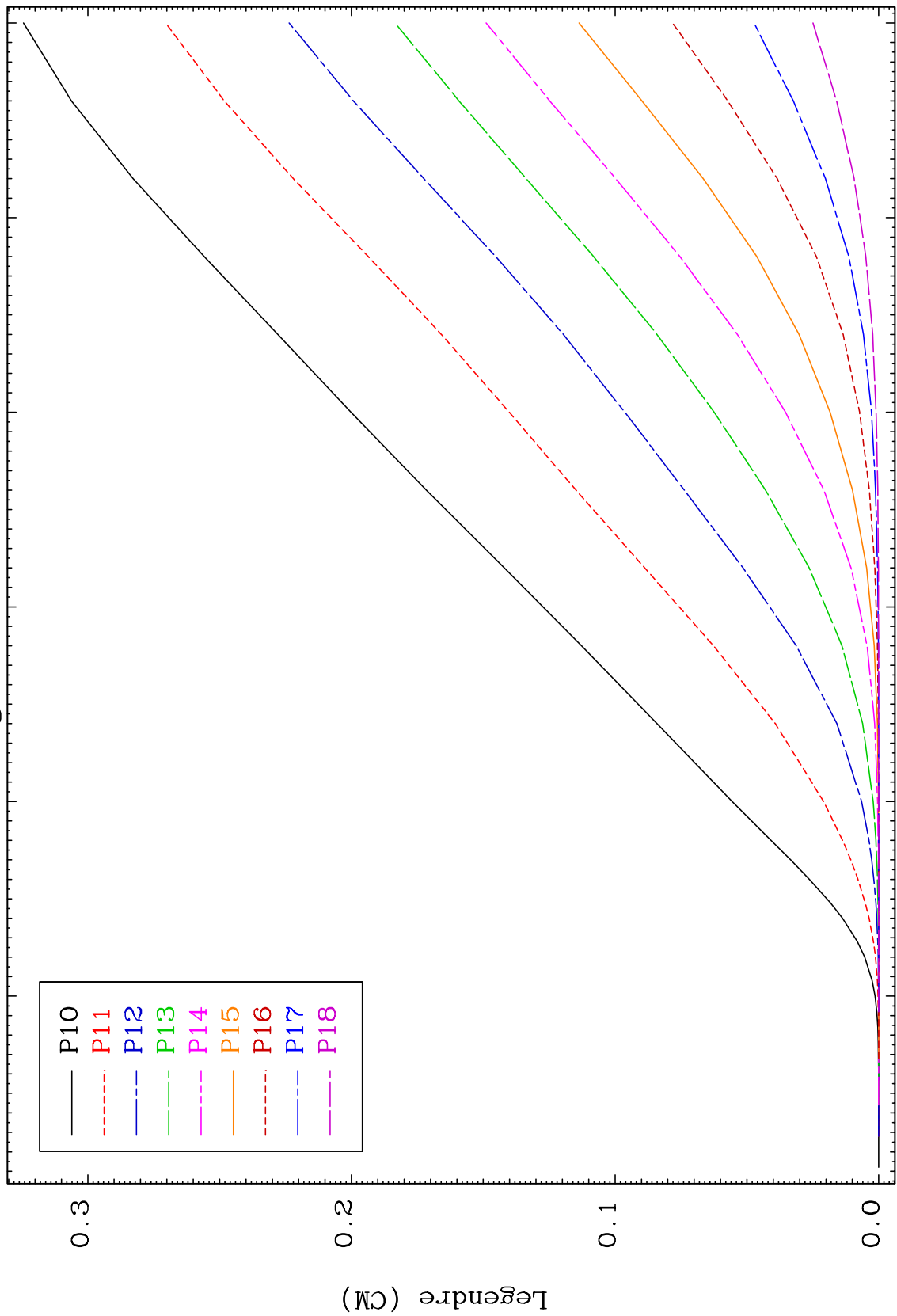
Incident Energy (MeV)

58-Ce-136

MAT 5825

Elastic Legendre Coefficients

58-Ce-136



17

Incident Energy (MeV)

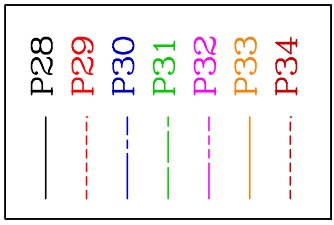
58-Ce-136



MAT 5825

Elastic Legendre Coefficients

58-Ce-136



$\times 10^{-6}$

1.2

0.8

0.4

0.0

Legendre (CM)

15

20

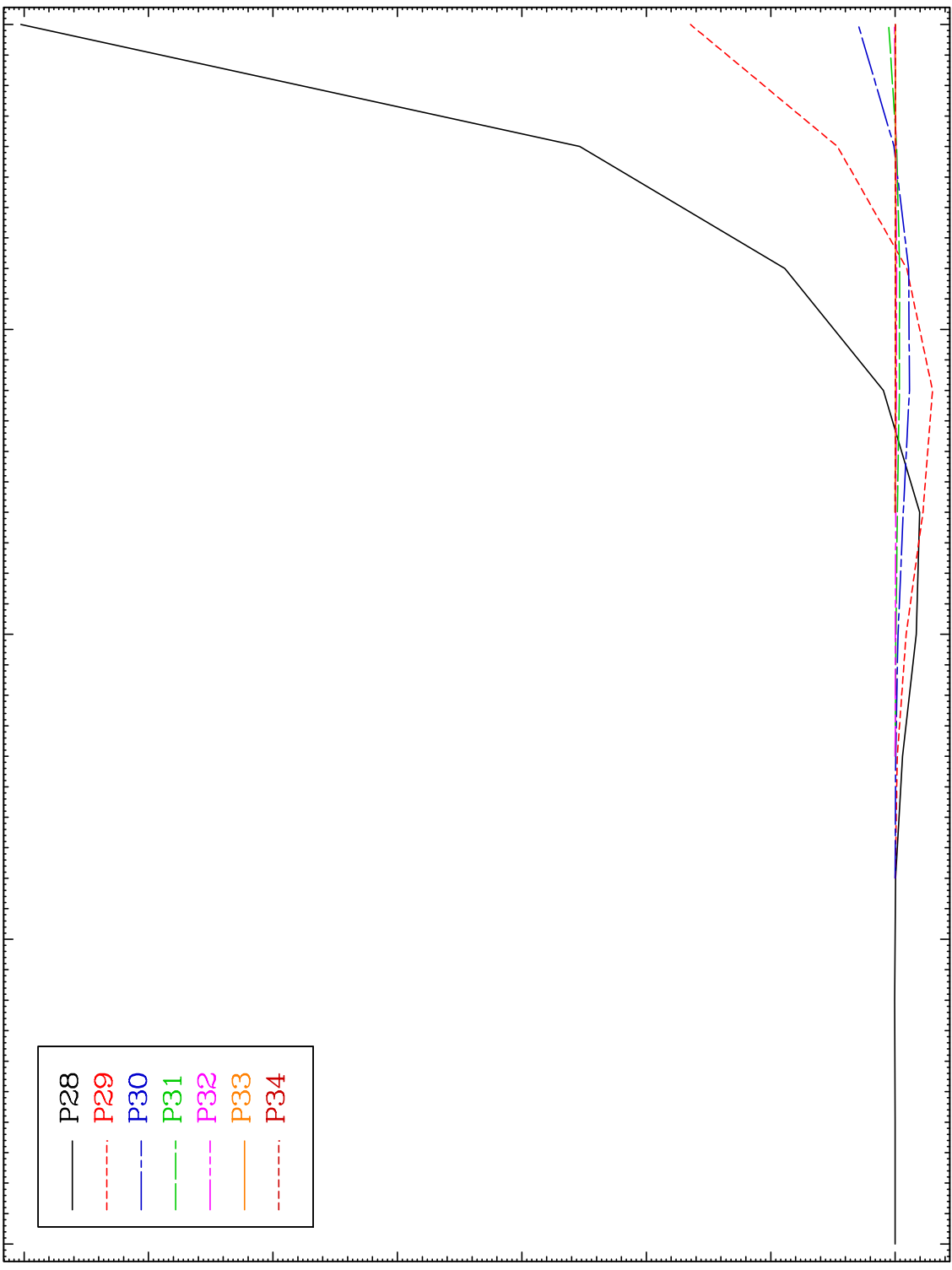
25

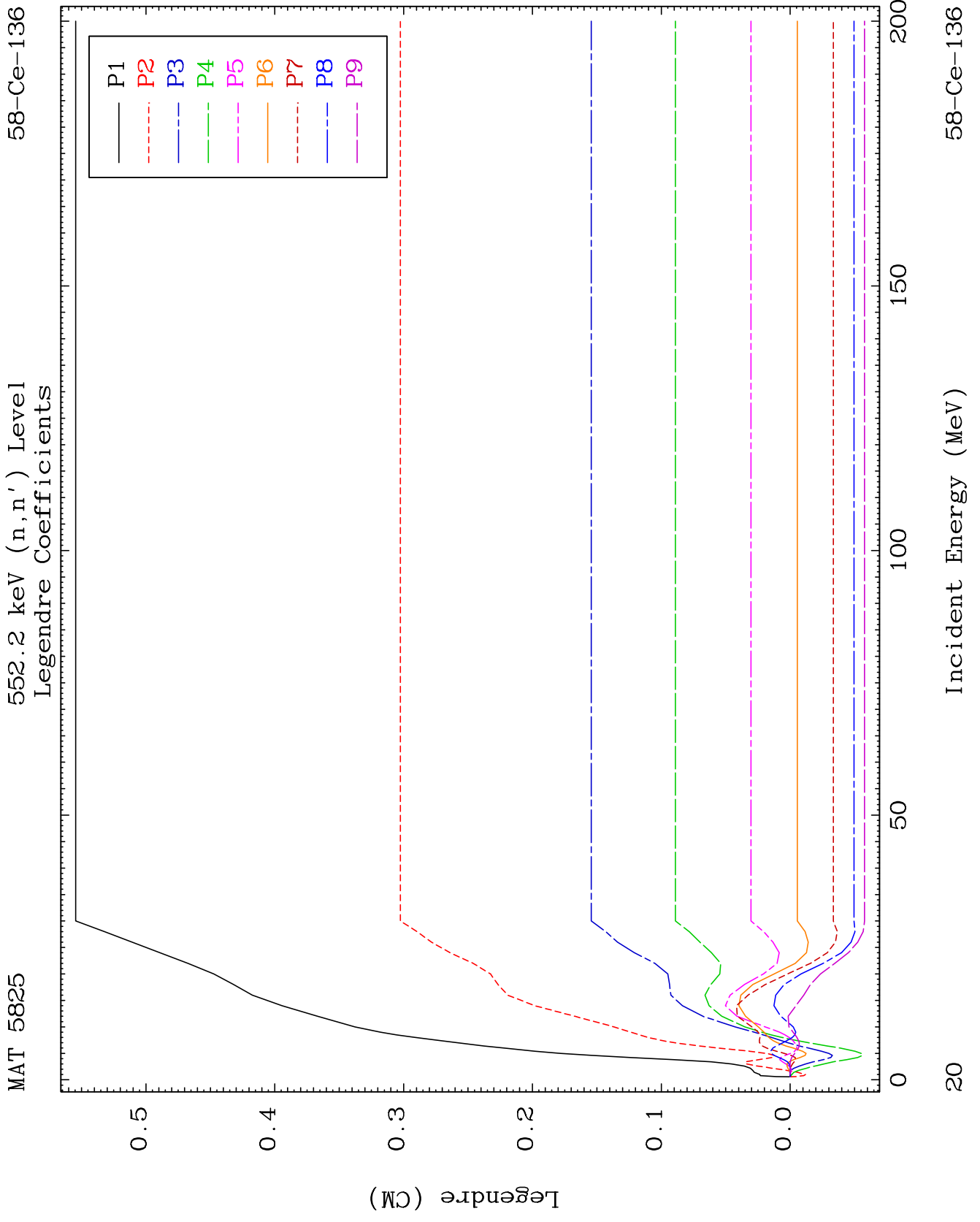
30

19

Incident Energy (MeV)

58-Ce-136

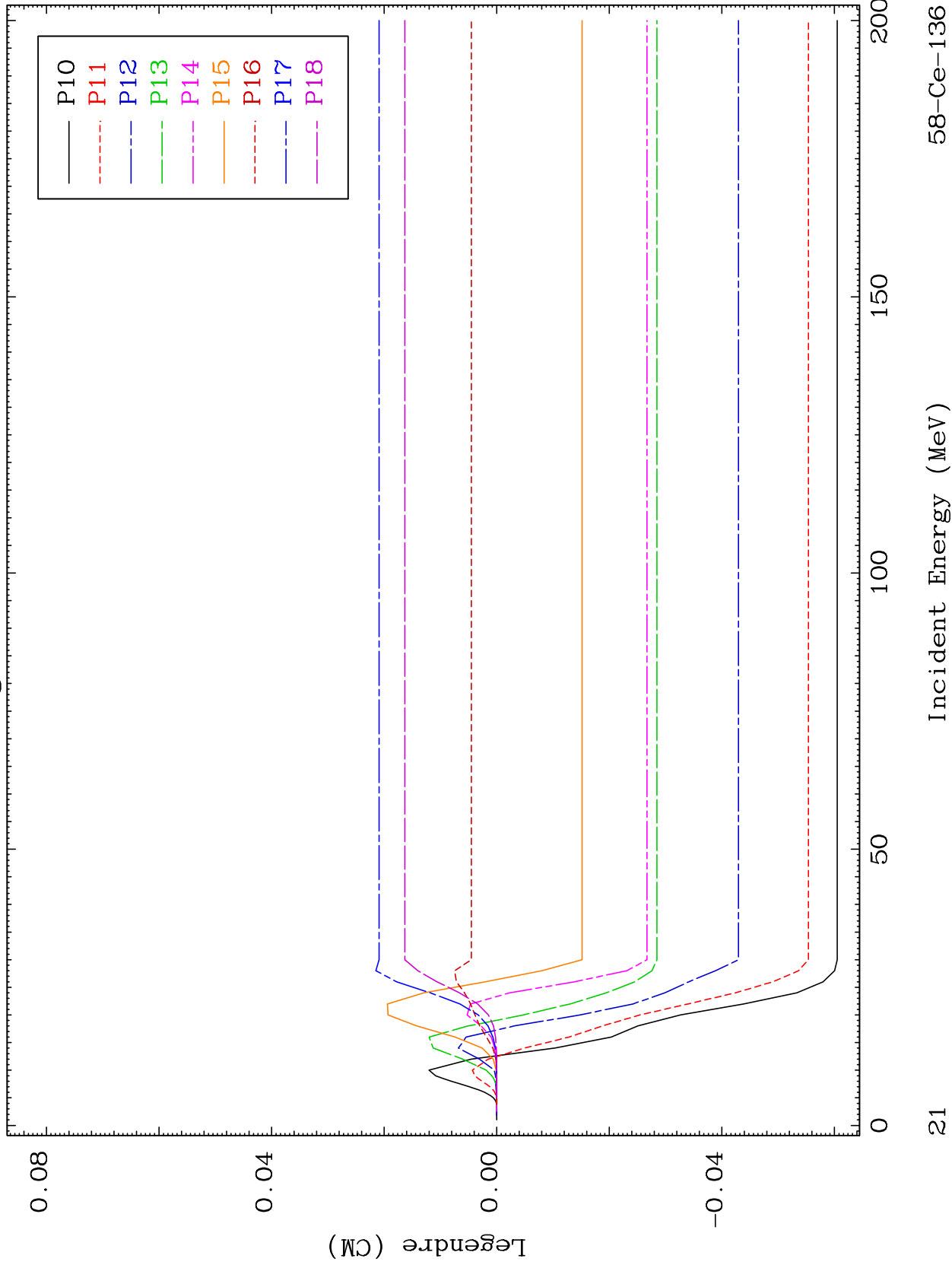




MAT 5825

552.2 keV (n,n') Level  
Legendre Coefficients

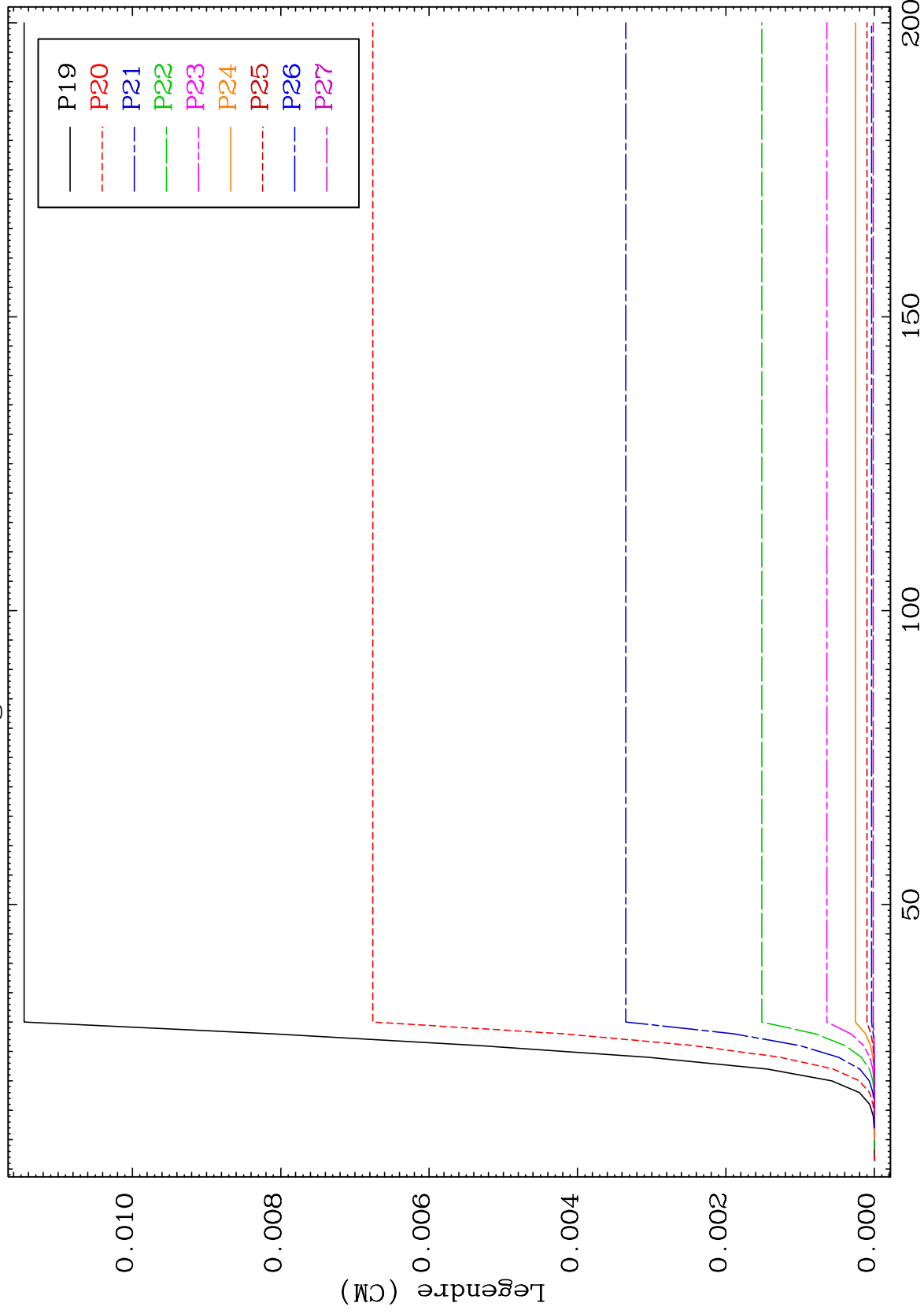
58-Ce-136



MAT 5825

552.2 keV (n,n') Level  
Legendre Coefficients

58-Ce-136



22

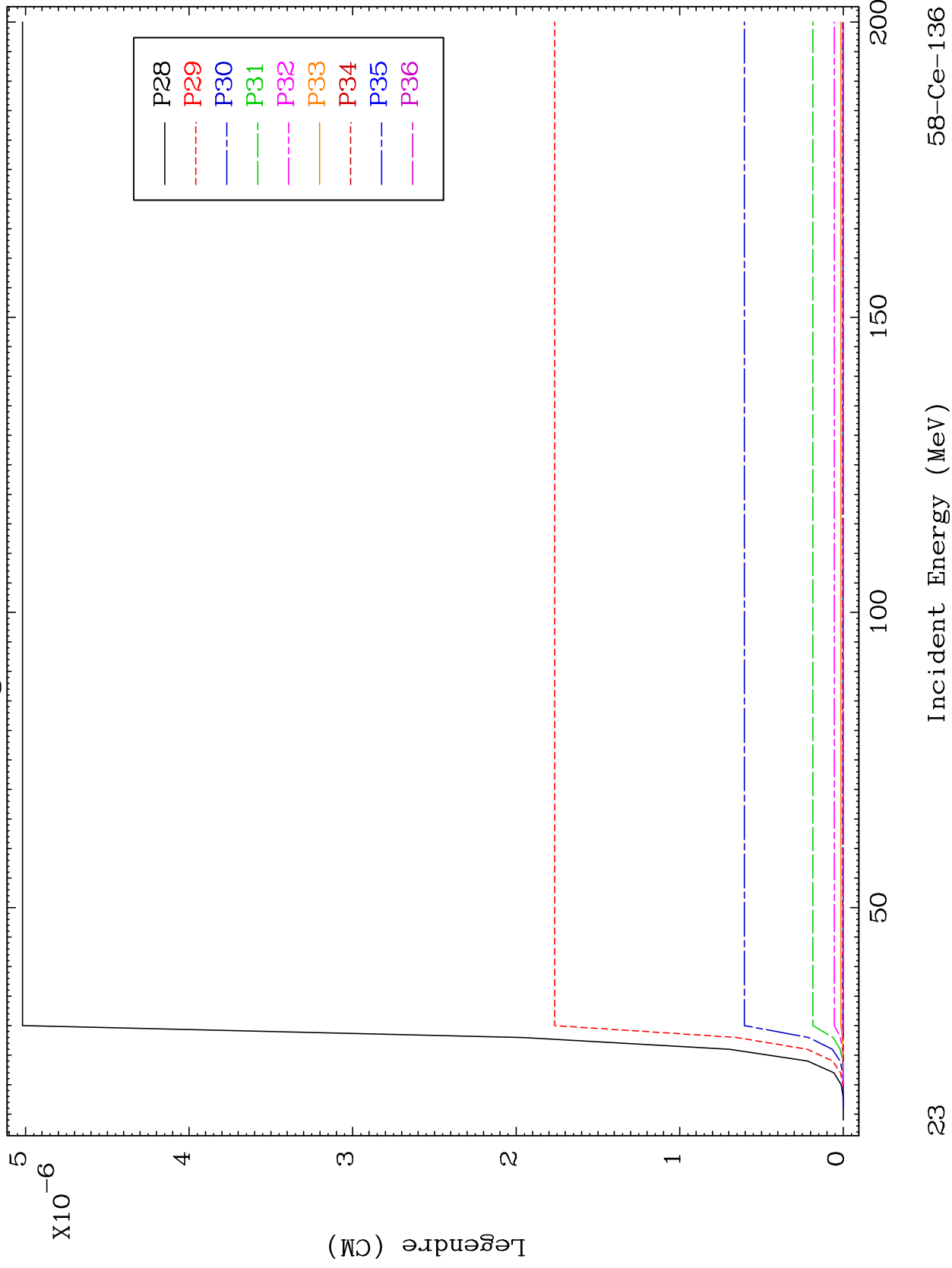
Incident Energy (MeV)

58-Ce-136

MAT 5825

552.2 keV (n, n') Level  
Legendre Coefficients

58-Ce-136



23

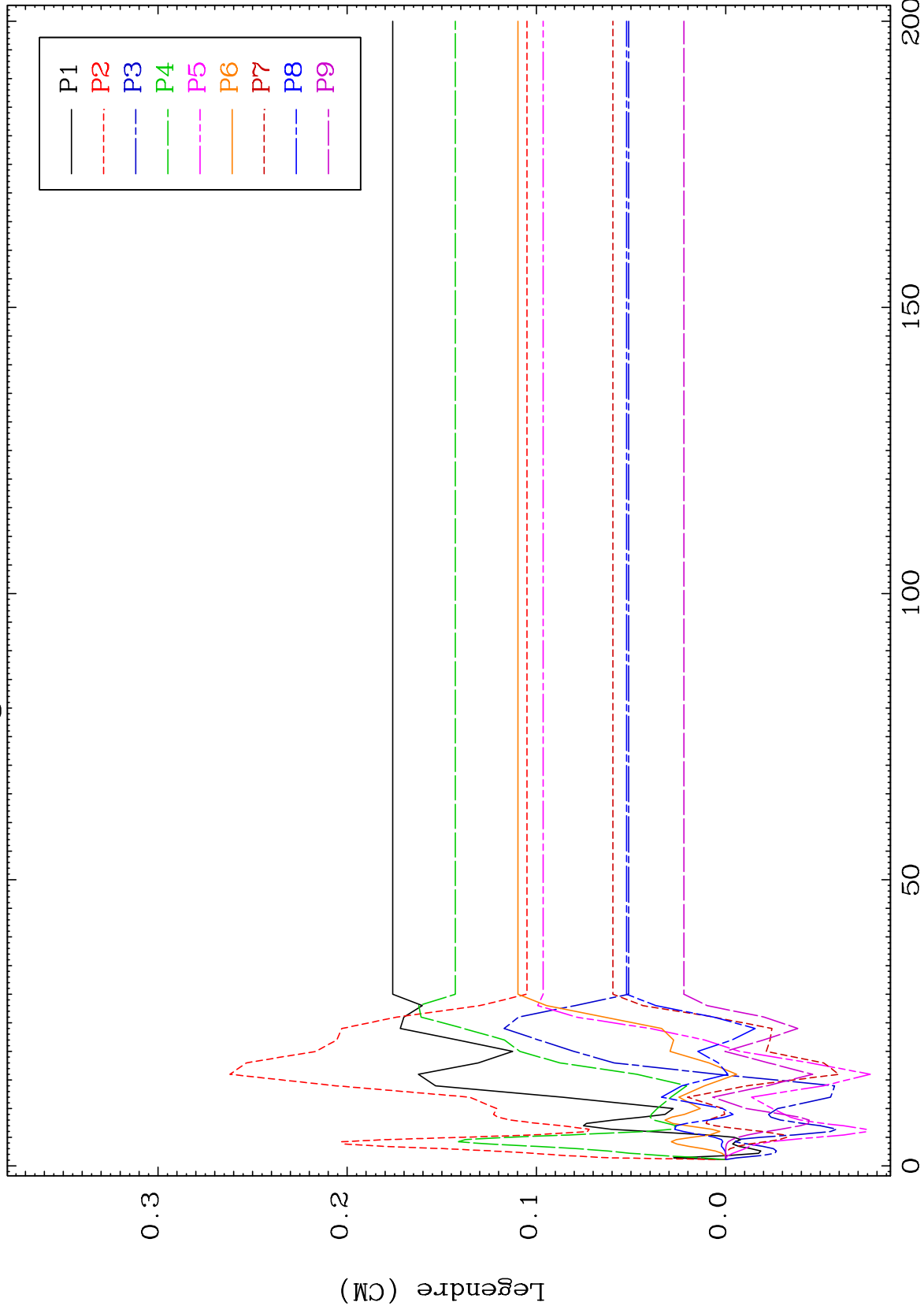
58-Ce-136



MAT 5825

1.076 MeV (n,n') Level  
Legendre Coefficients

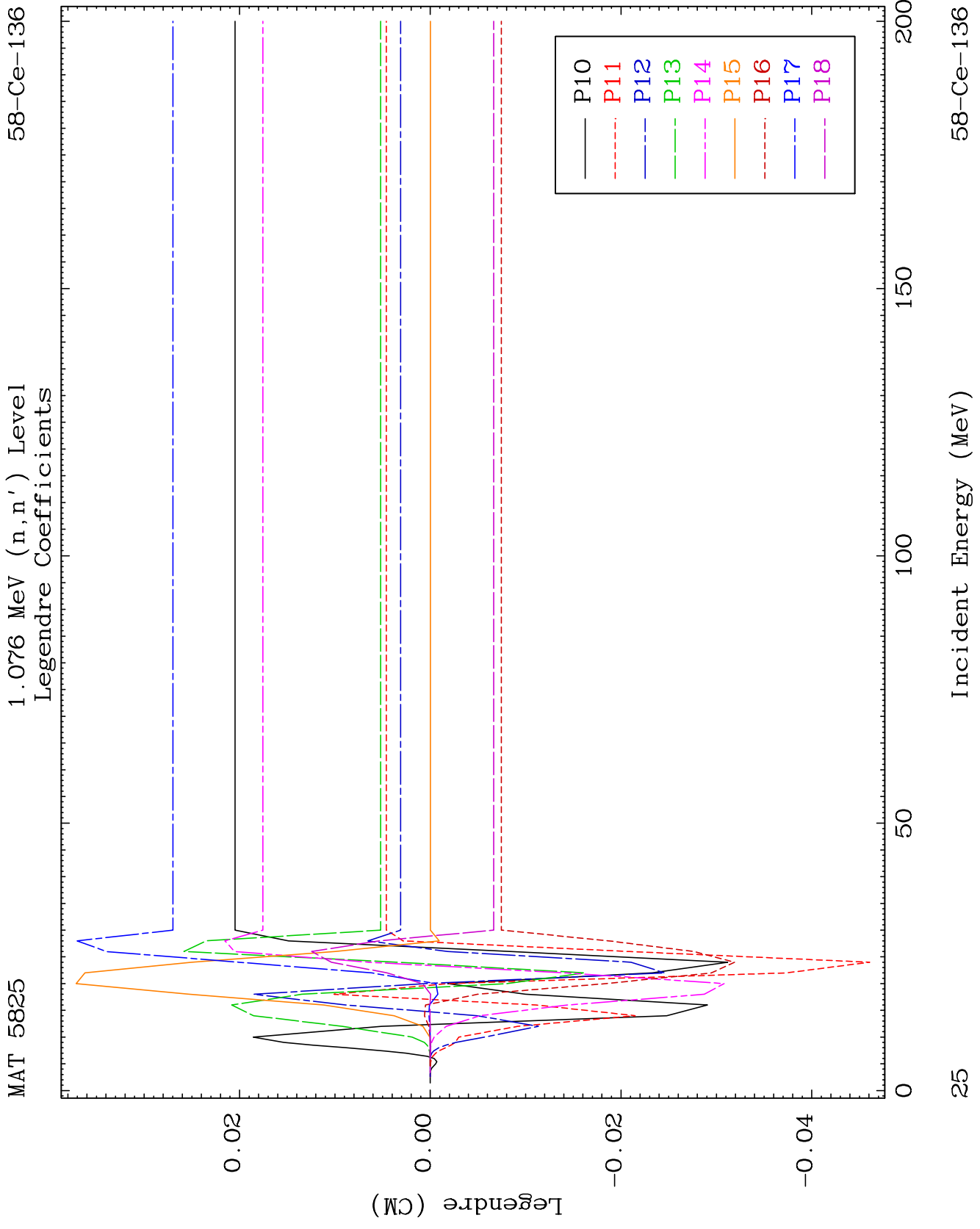
58-Ce-136

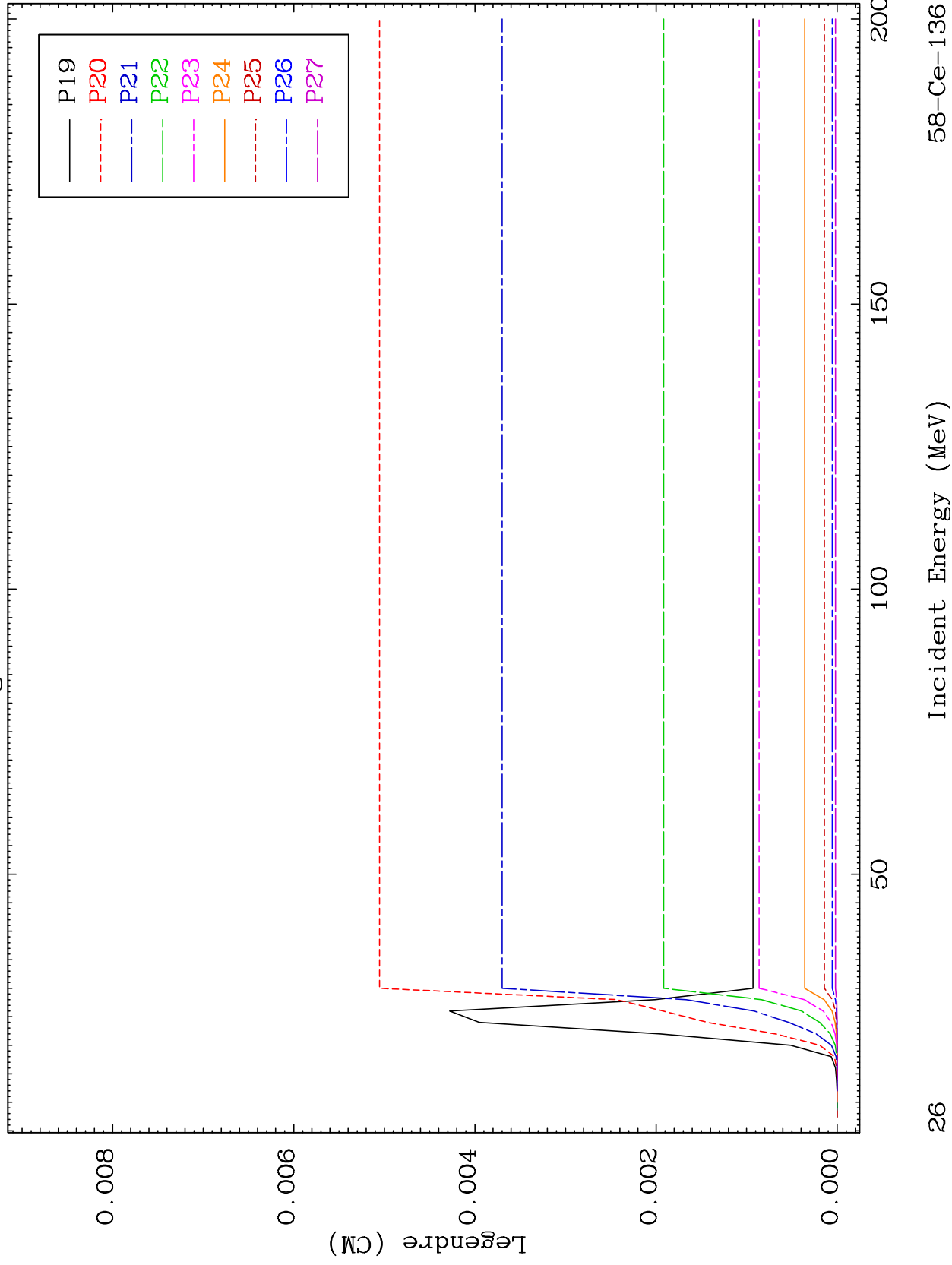


24

Incident Energy (MeV)

58-Ce-136

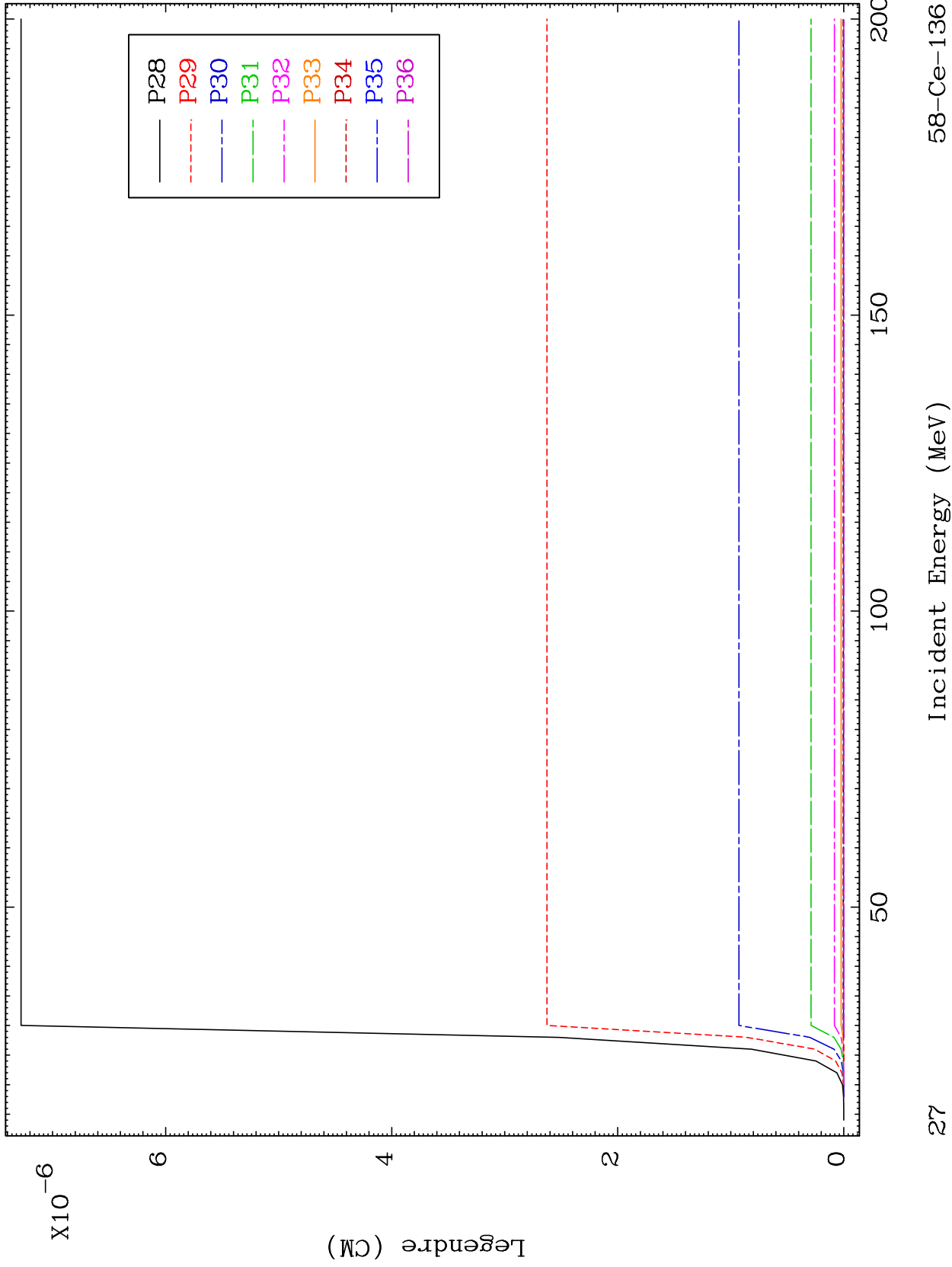




MAT 5825

1.076 MeV (n,n') Level  
Legendre Coefficients

58-Ce-136



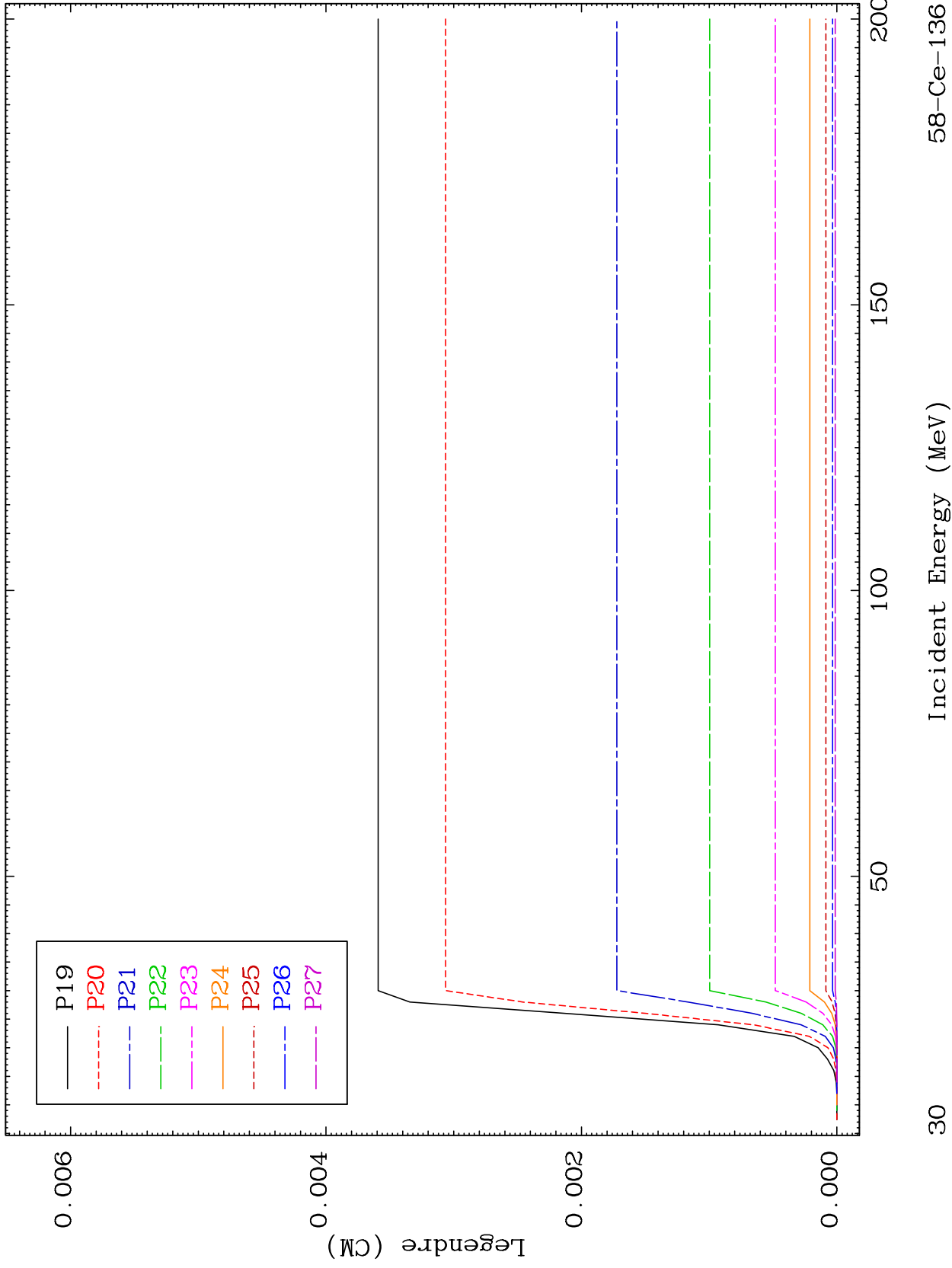




MAT 5825

1.092 MeV (n,n') Level  
Legendre Coefficients

58-Ce-136



30

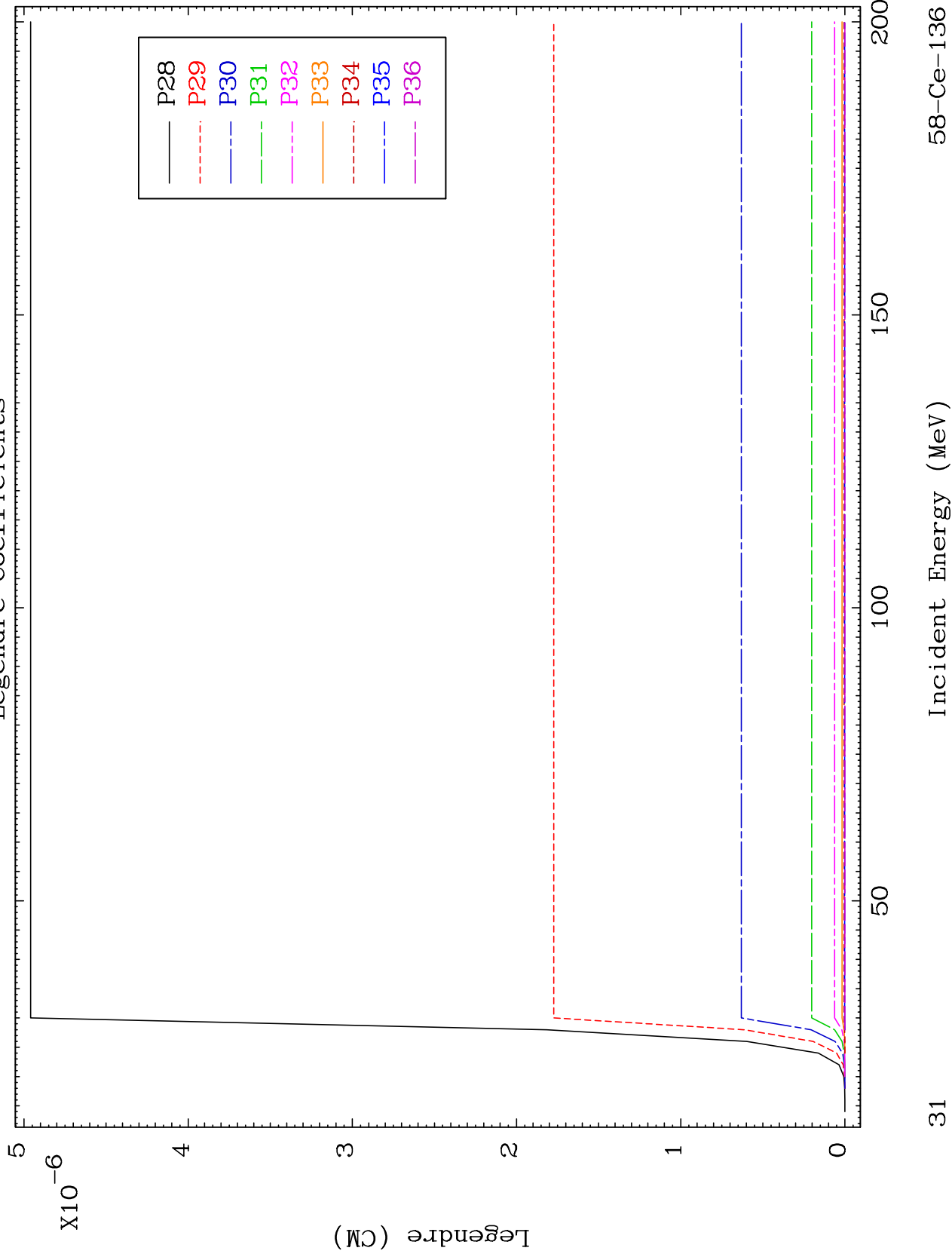
Incident Energy (MeV)

58-Ce-136

MAT 5825

1.092 MeV (n,n') Level  
Legendre Coefficients

58-Ce-136

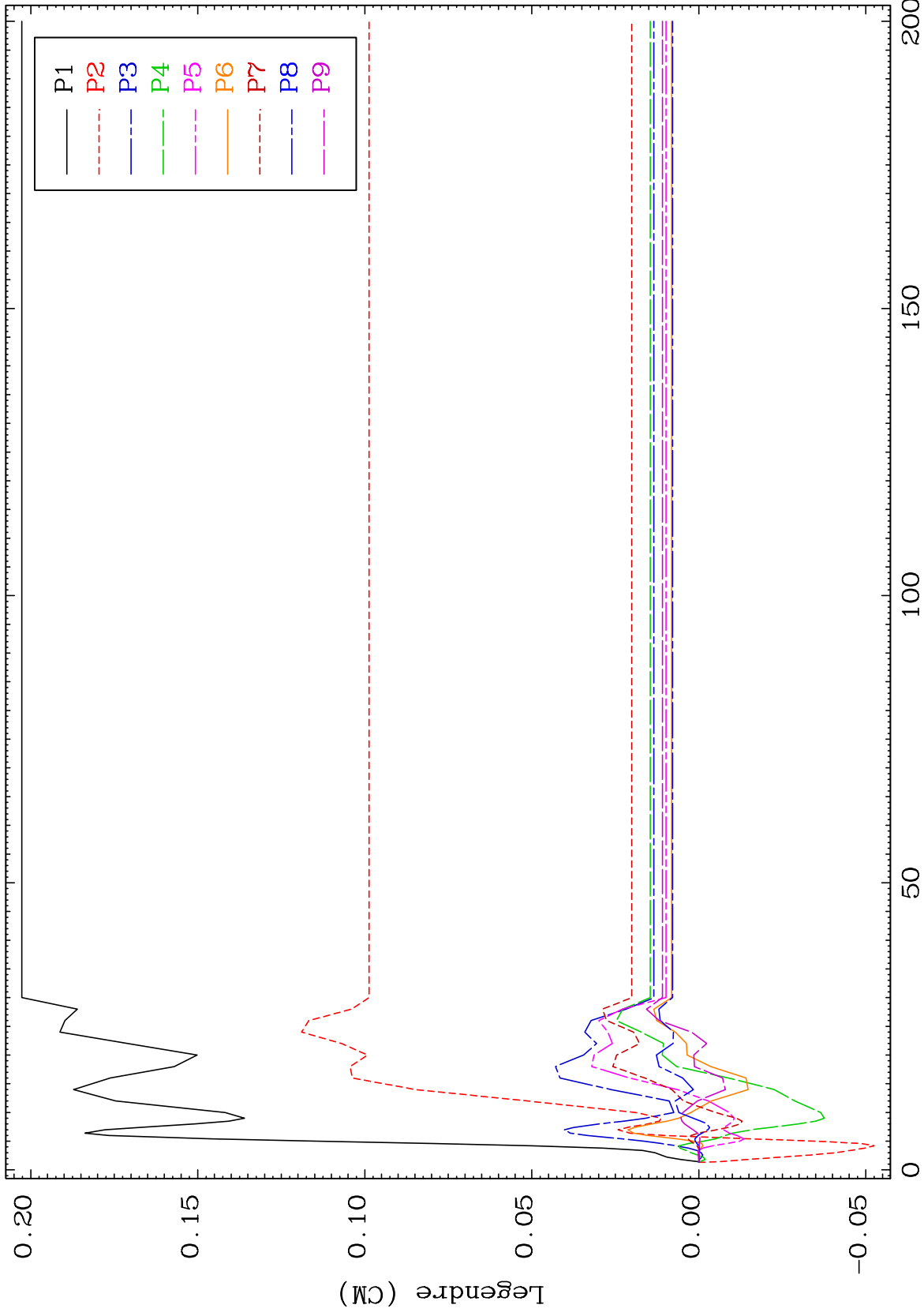




MAT 5825

1.314 MeV (n,n') Level  
Legendre Coefficients

58-Ce-136



32

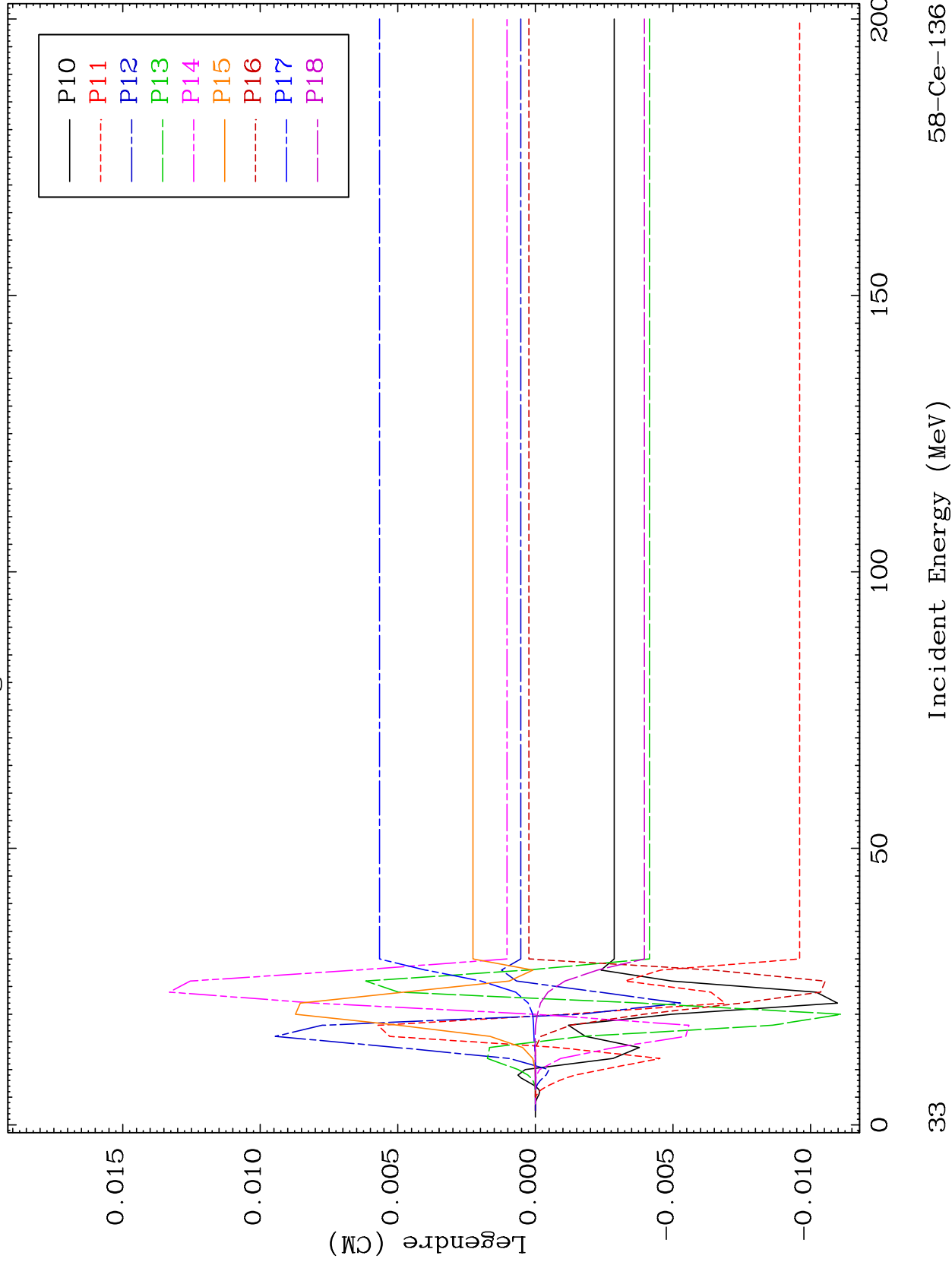
Incident Energy (MeV)

58-Ce-136

MAT 5825

1.314 MeV (n,n') Level  
Legendre Coefficients

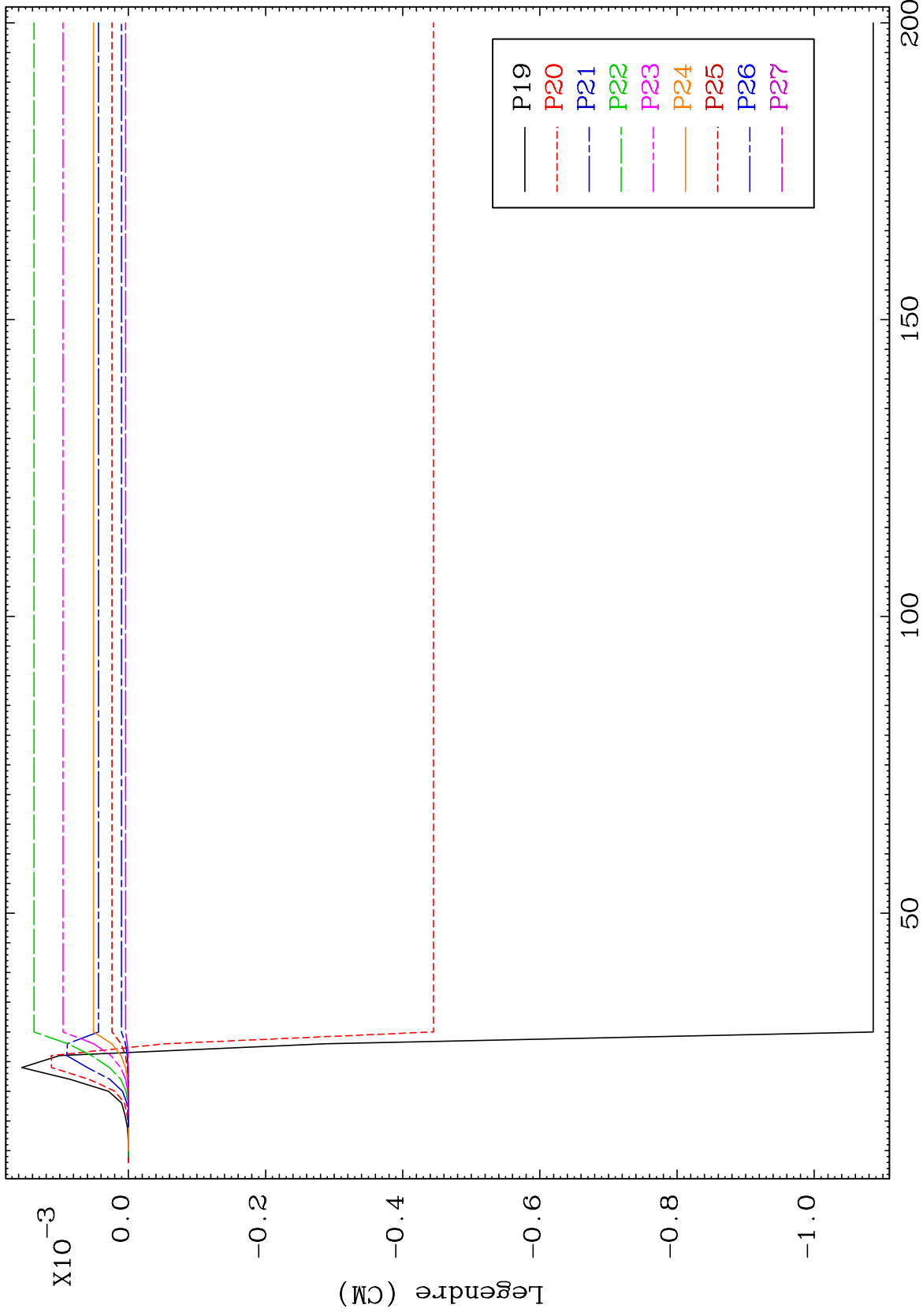
58-Ce-136



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Incident Energy (MeV)

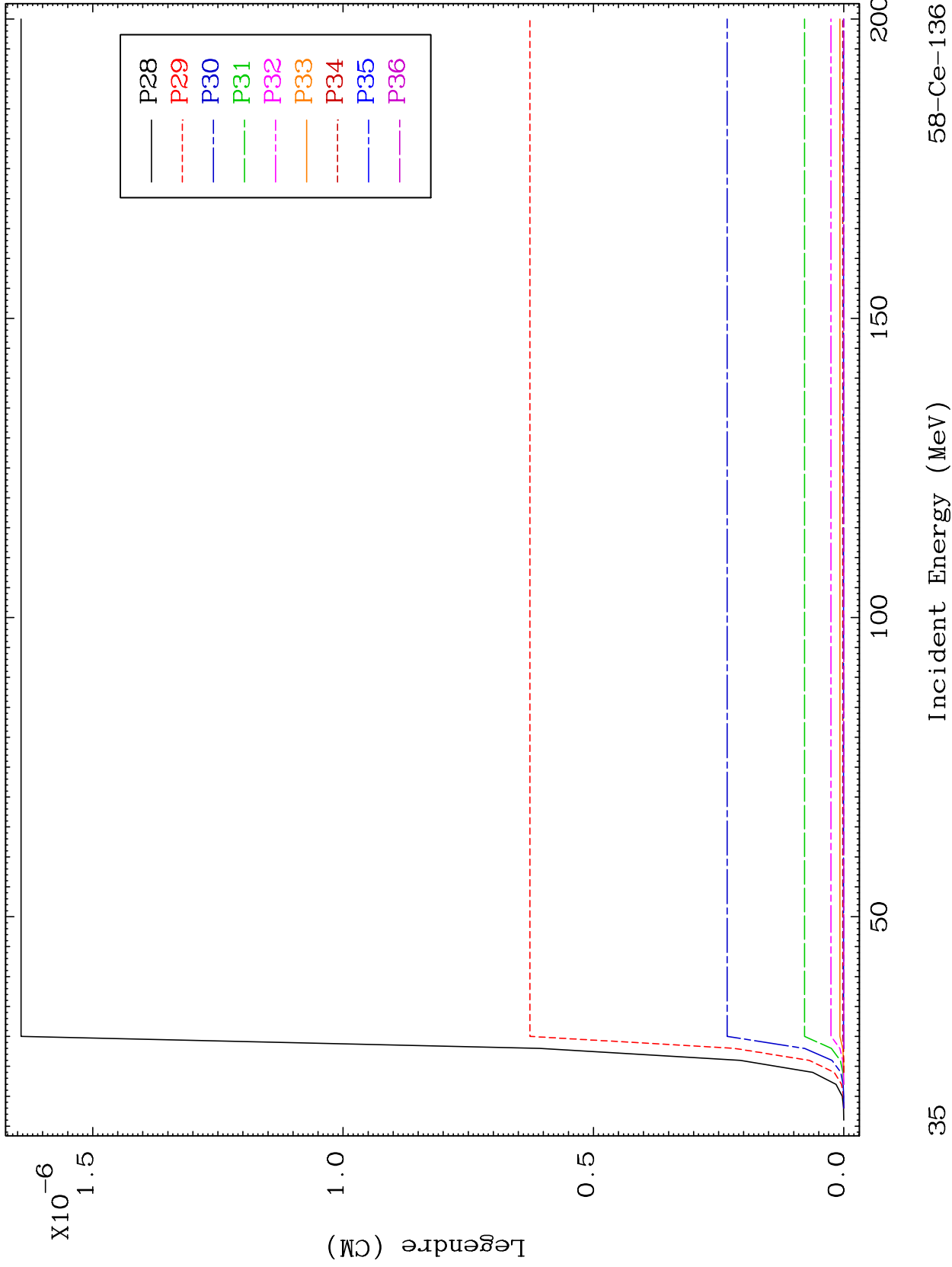
58-Ce-136



MAT 5825

1.314 MeV (n,n') Level  
Legendre Coefficients

58-Ce-136

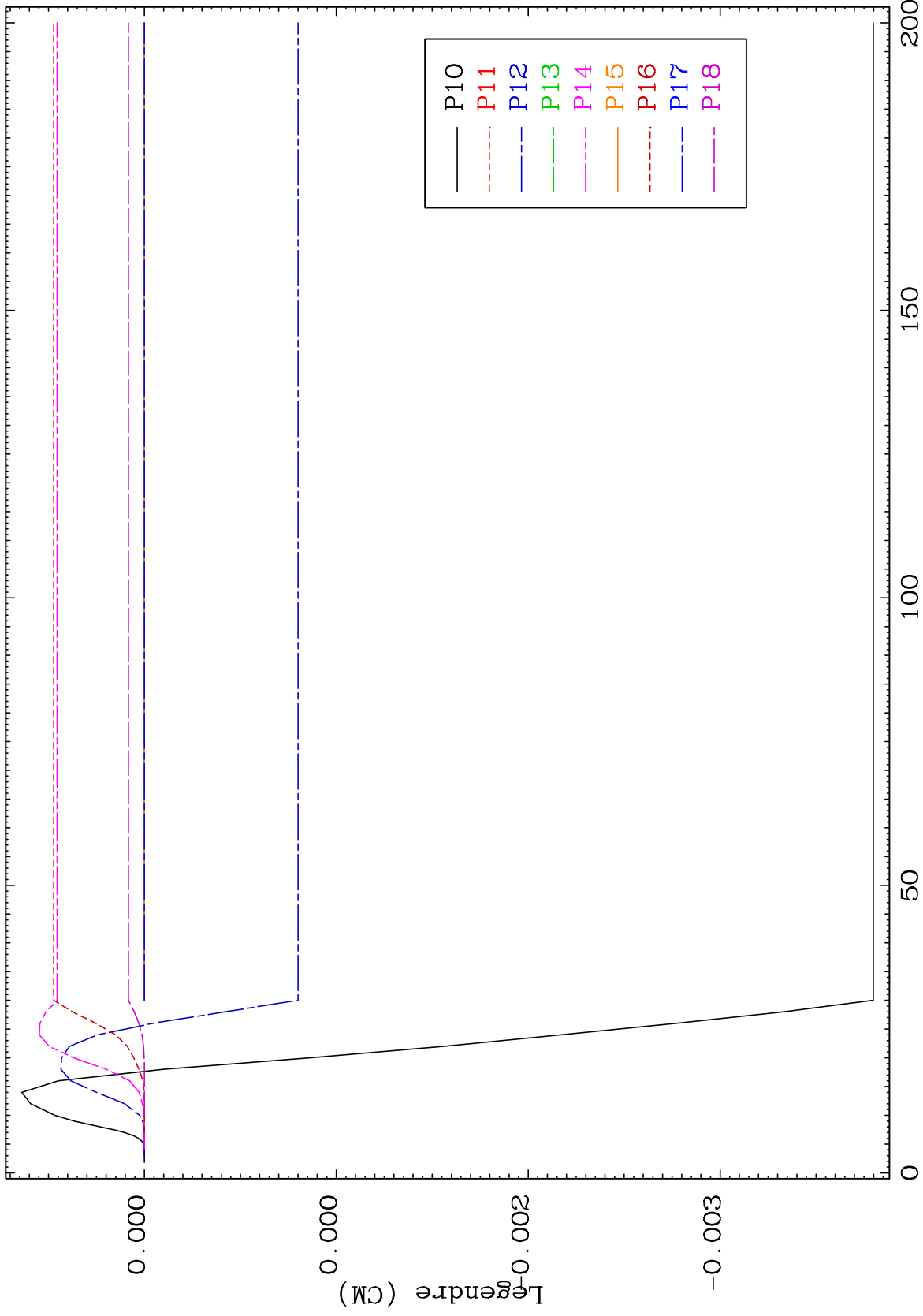




MAT 5825

1.553 MeV (n,n') Level  
Legendre Coefficients

58-Ce-136



37

Incident Energy (MeV)

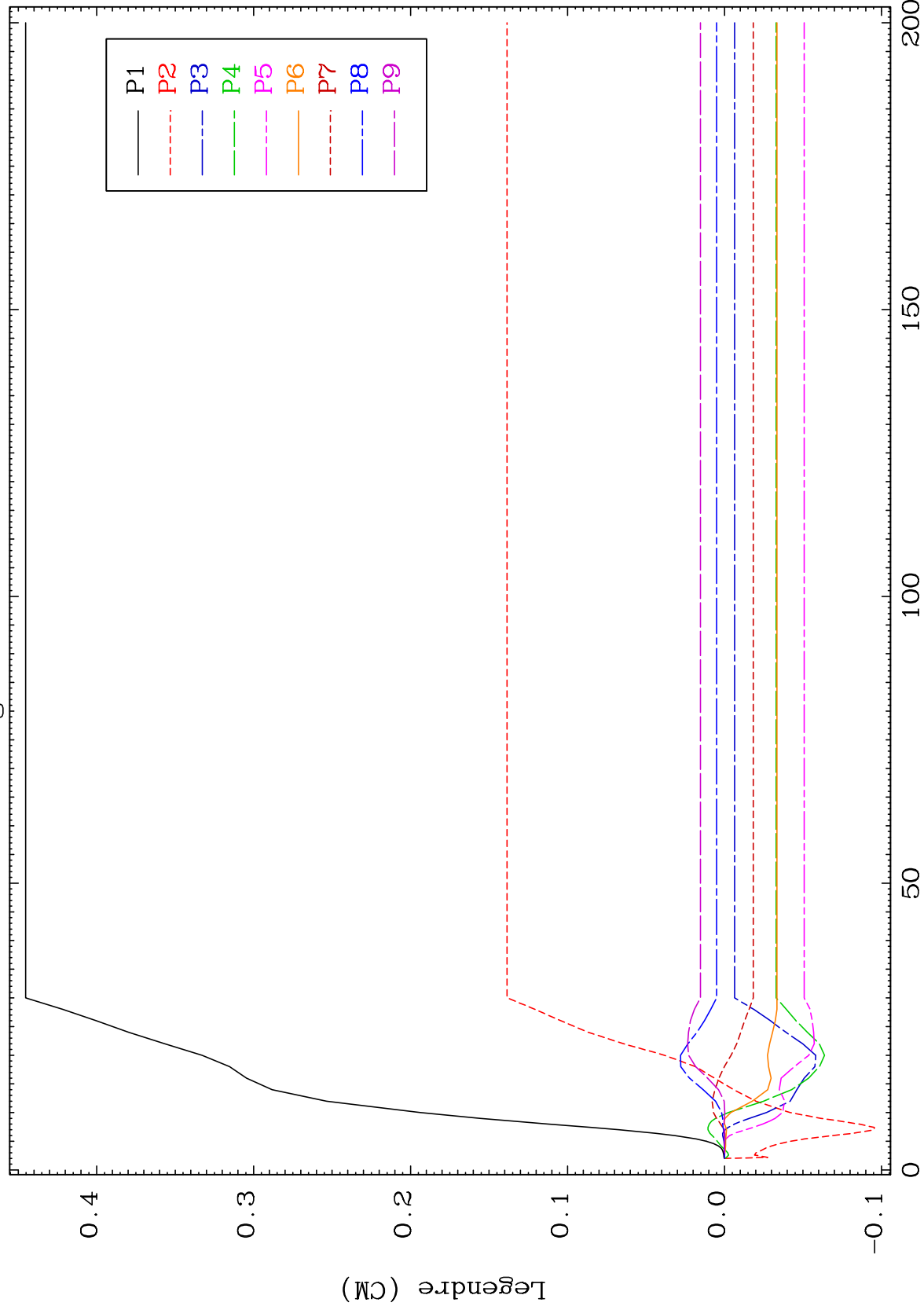
58-Ce-136



MAT 5825

1.978 MeV (n,n') Level  
Legendre Coefficients

58-Ce-136



39

Incident Energy (MeV)

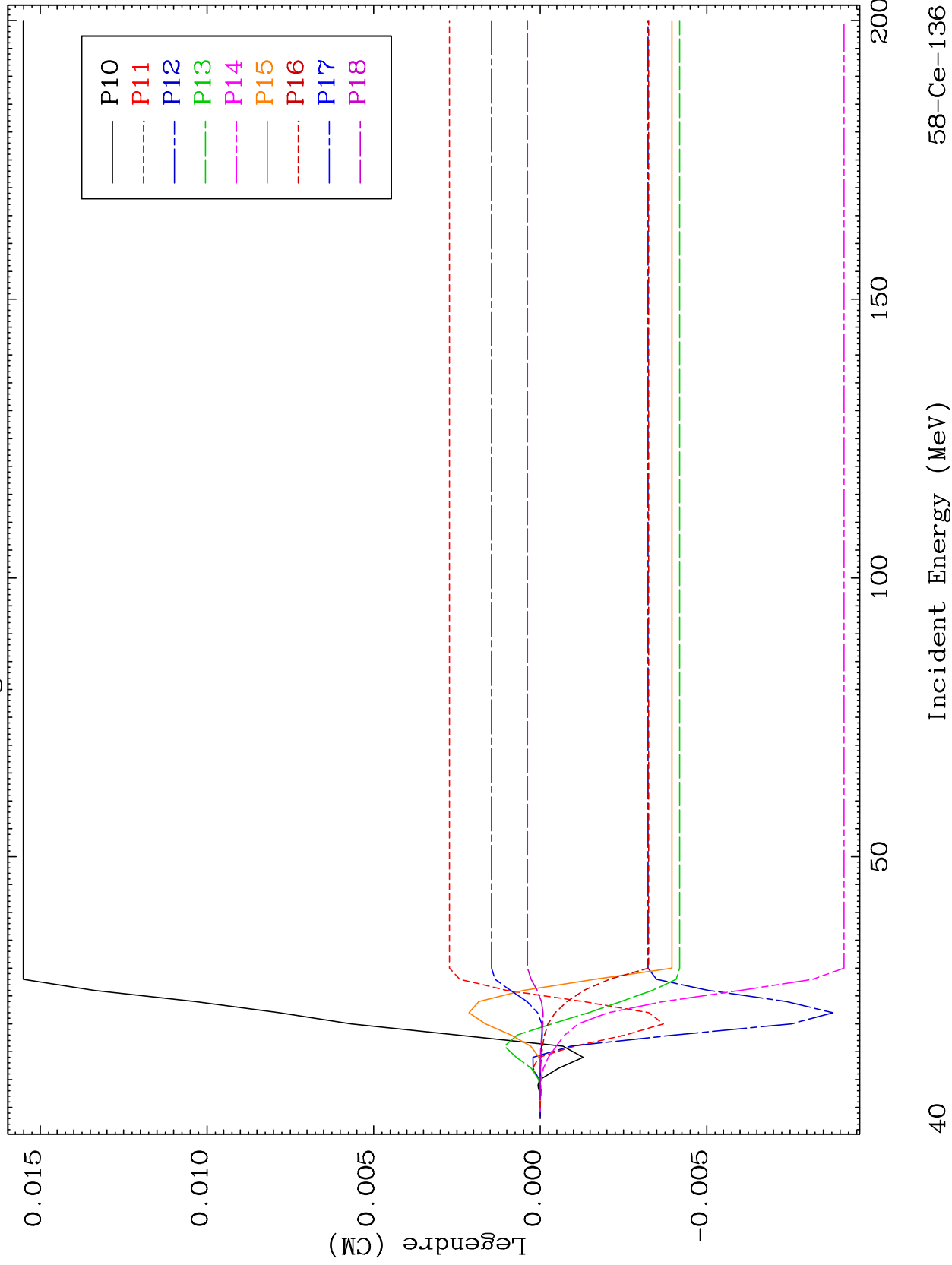
58-Ce-136



MAT 5825

1.978 MeV (n,n') Level  
Legendre Coefficients

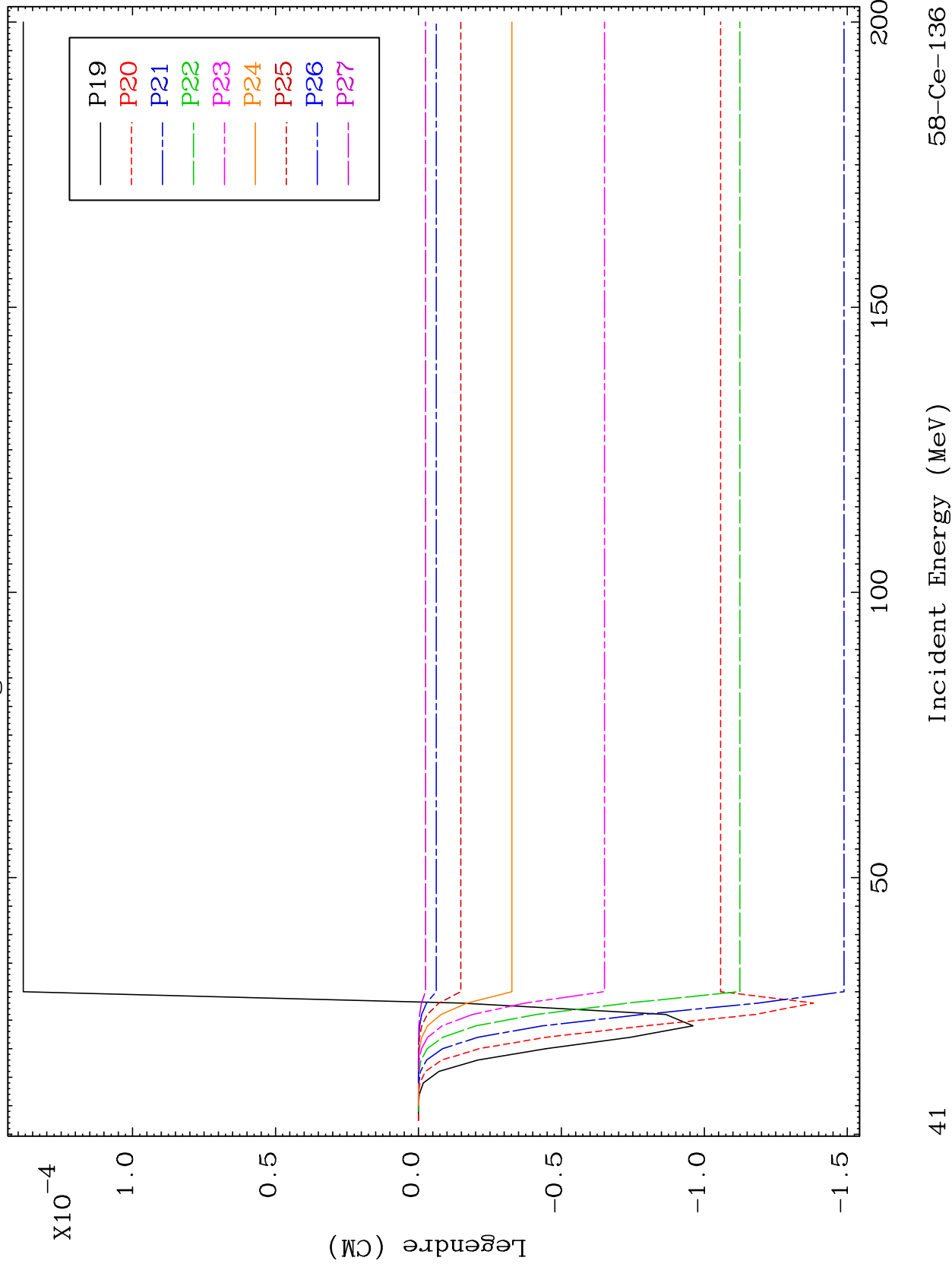
58-Ce-136

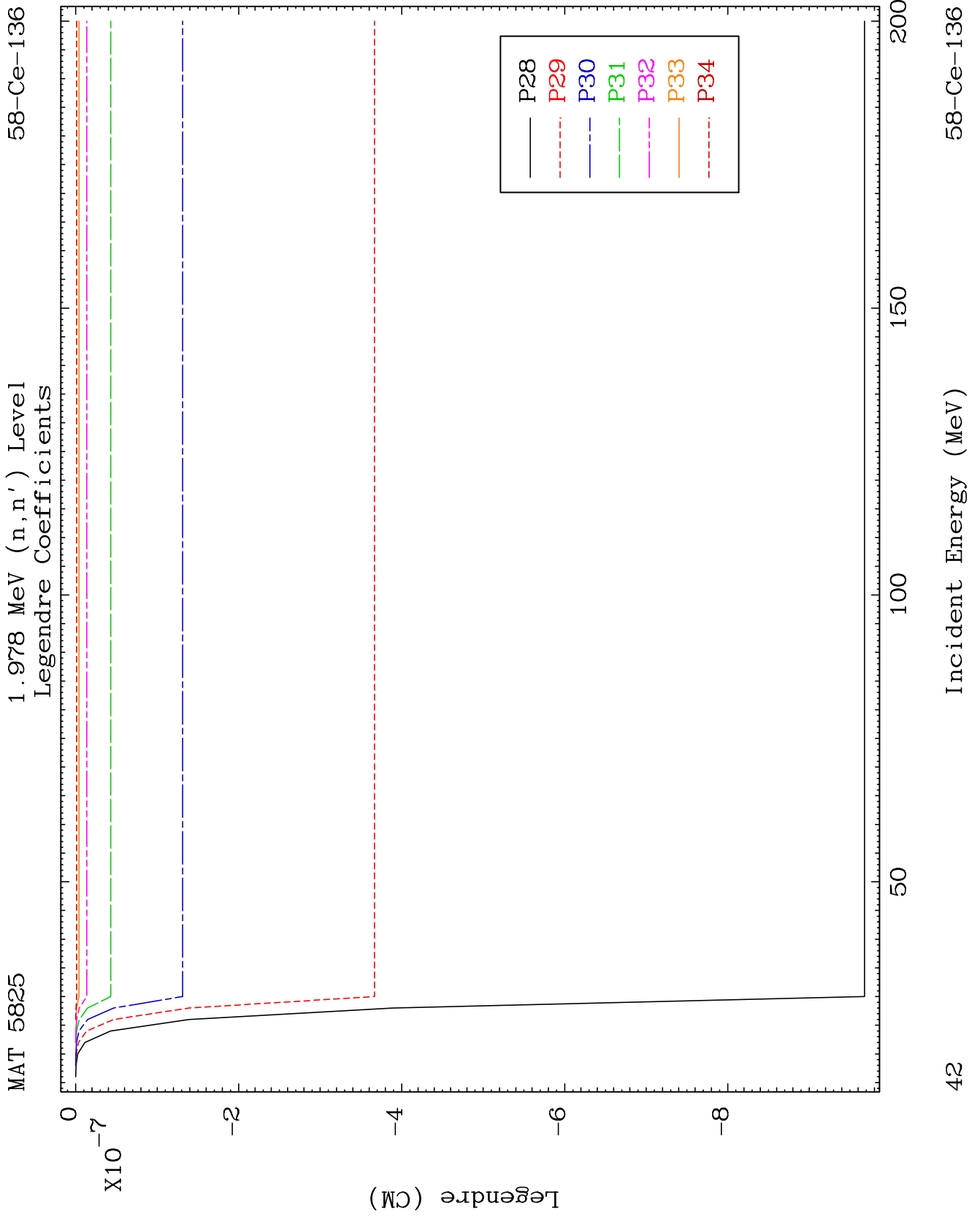


58-Ce-136

Incident Energy (MeV)

40

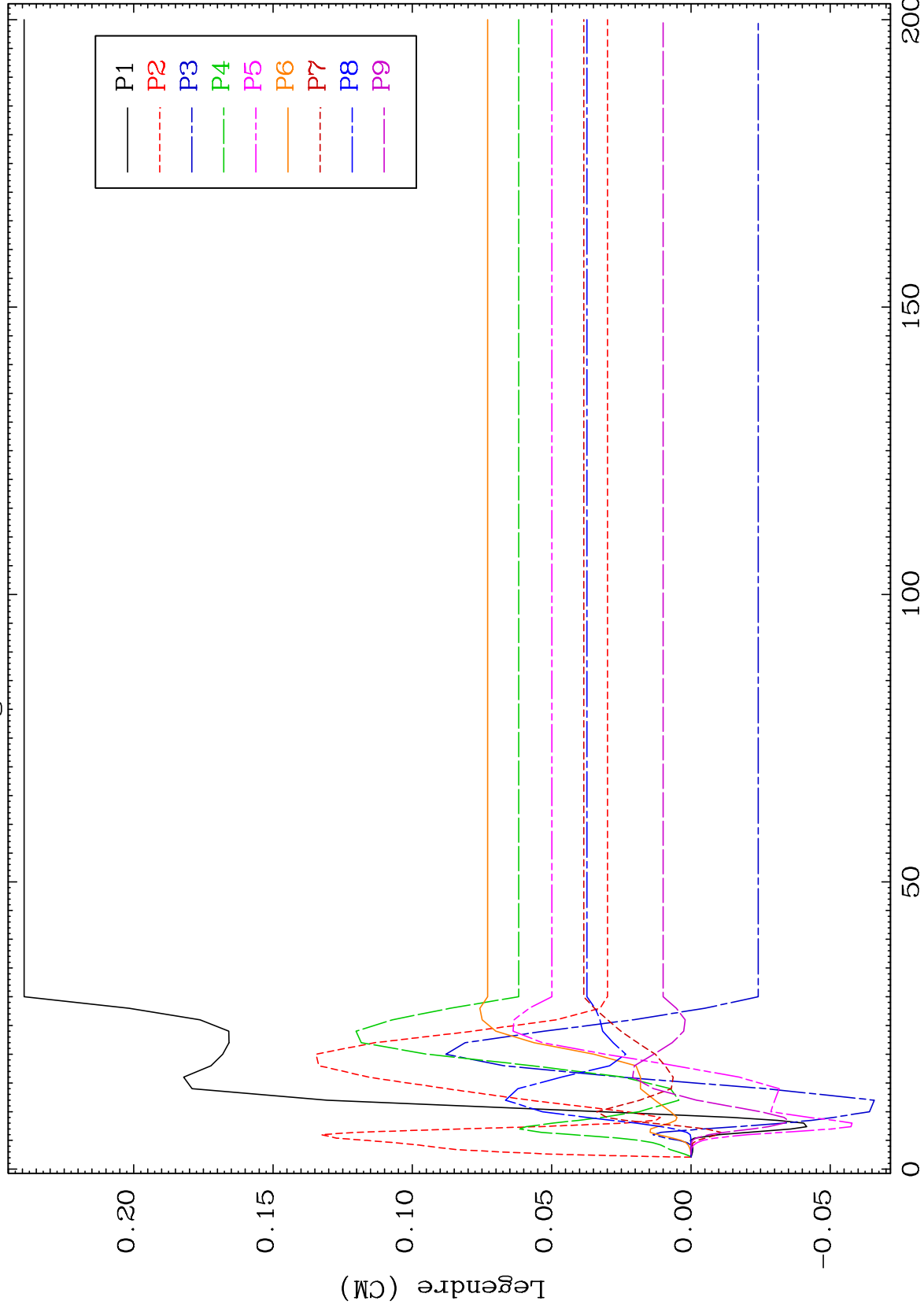




MAT 5825

2.067 MeV (n,n') Level  
Legendre Coefficients

58-Ce-136



43

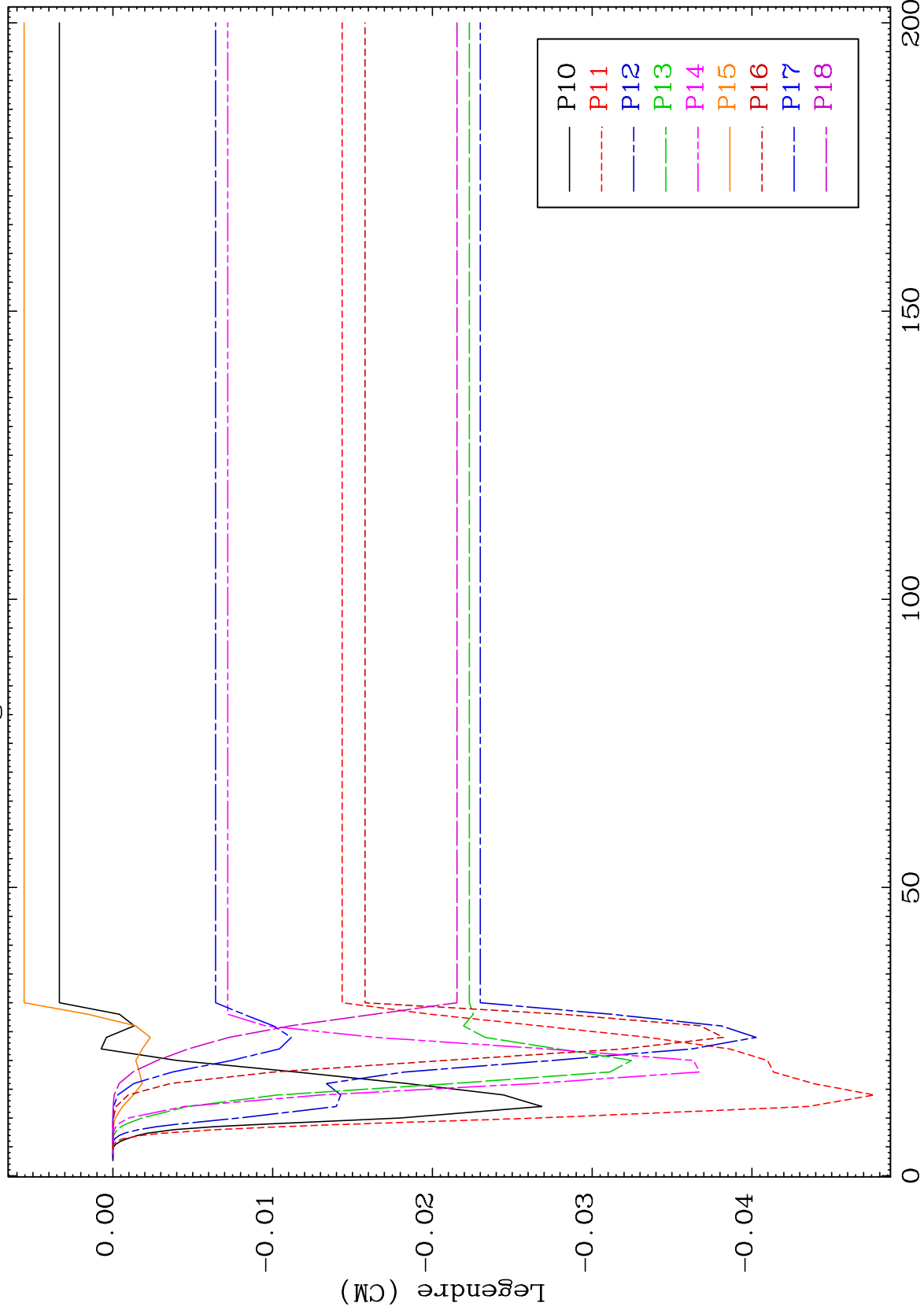
Incident Energy (MeV)

58-Ce-136

MAT 5825

2.067 MeV (n,n') Level  
Legendre Coefficients

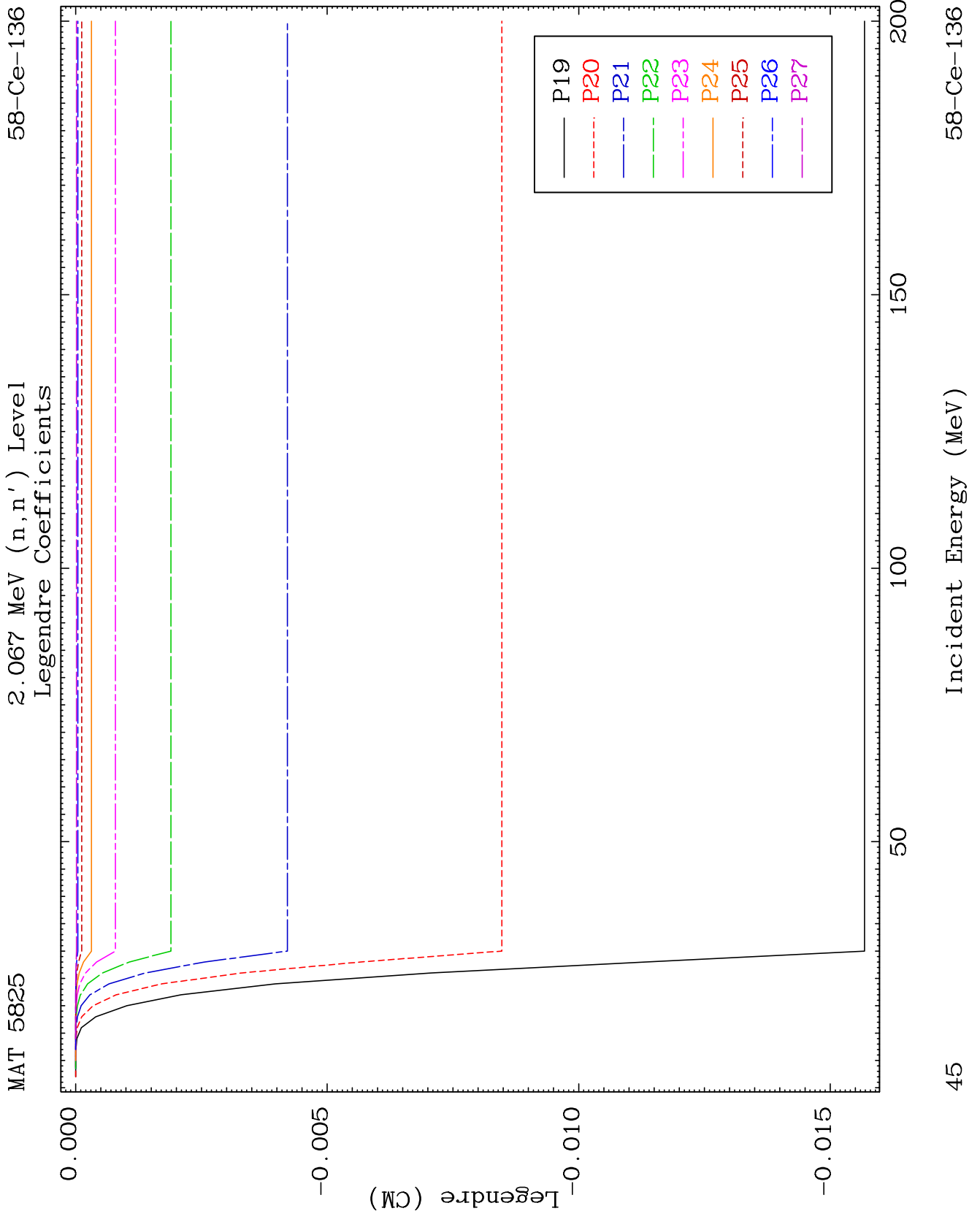
58-Ce-136

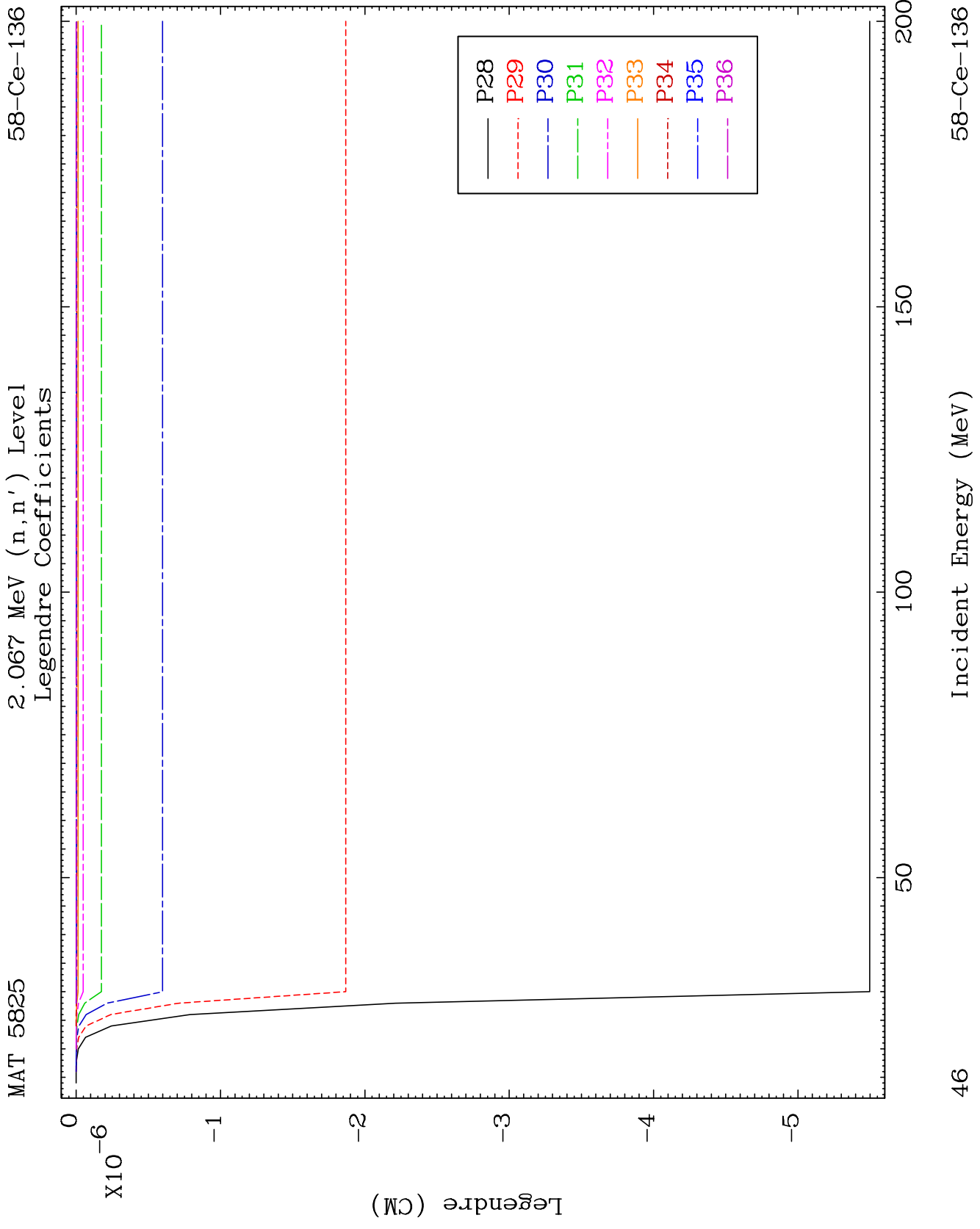


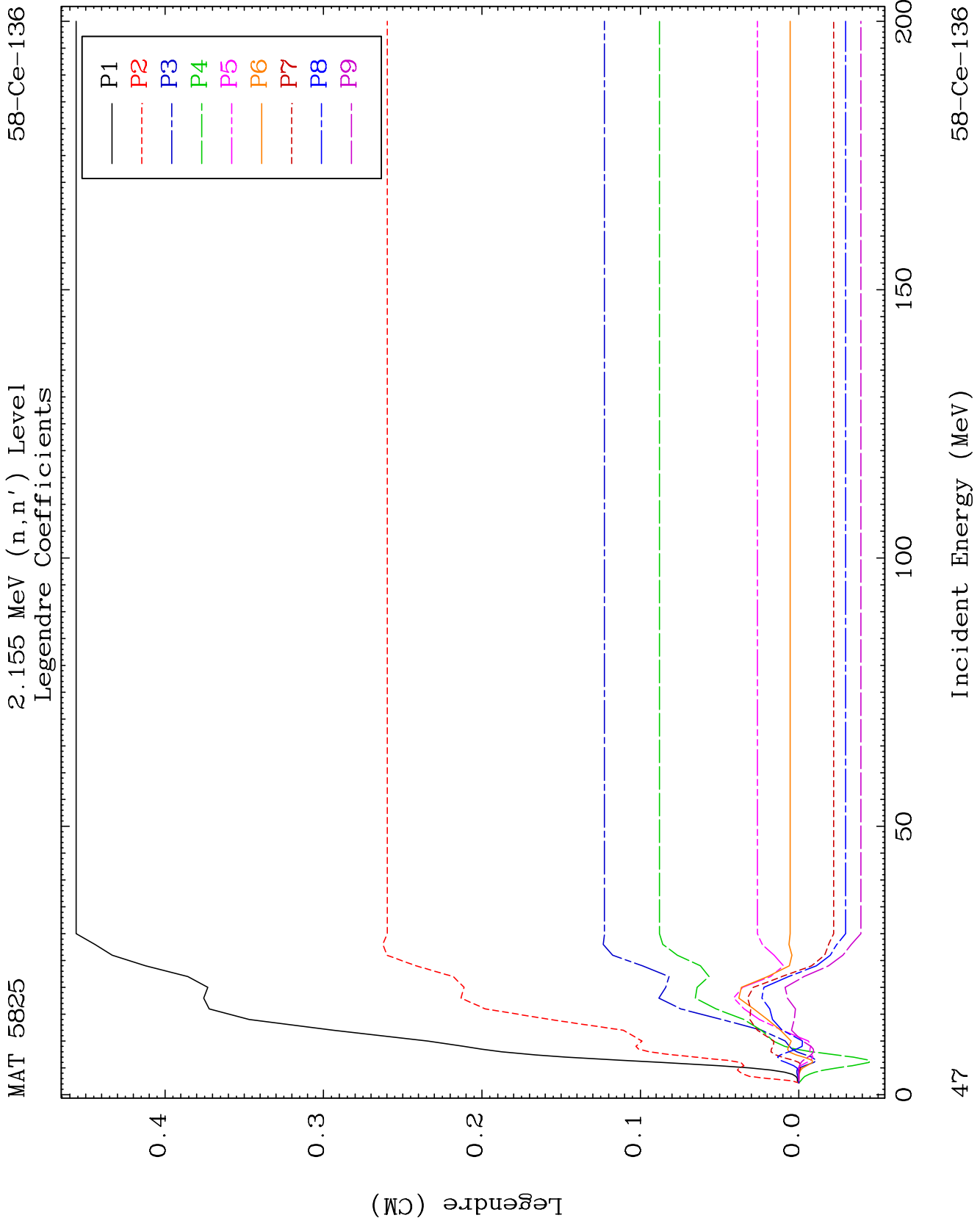
44

Incident Energy (MeV)

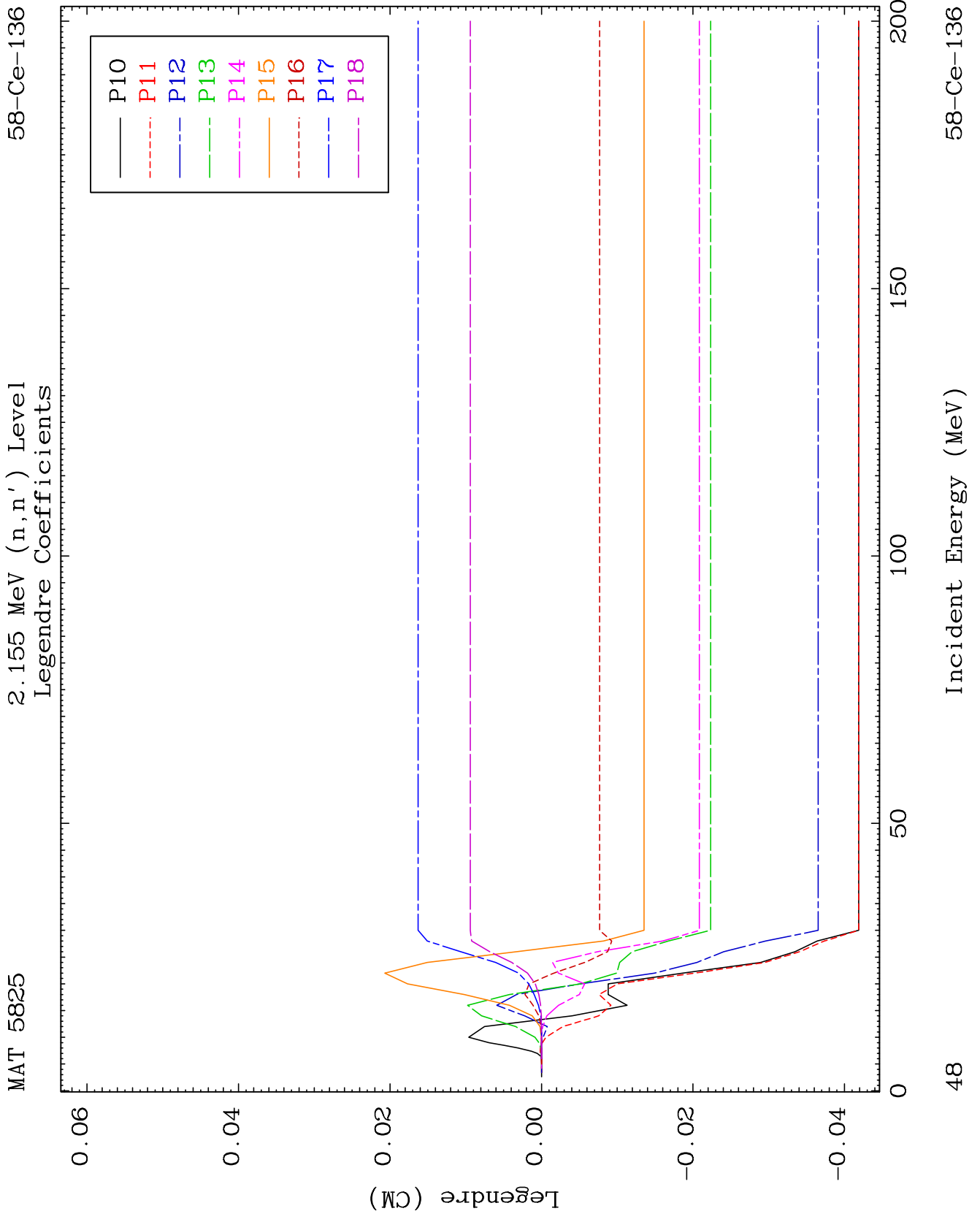
58-Ce-136

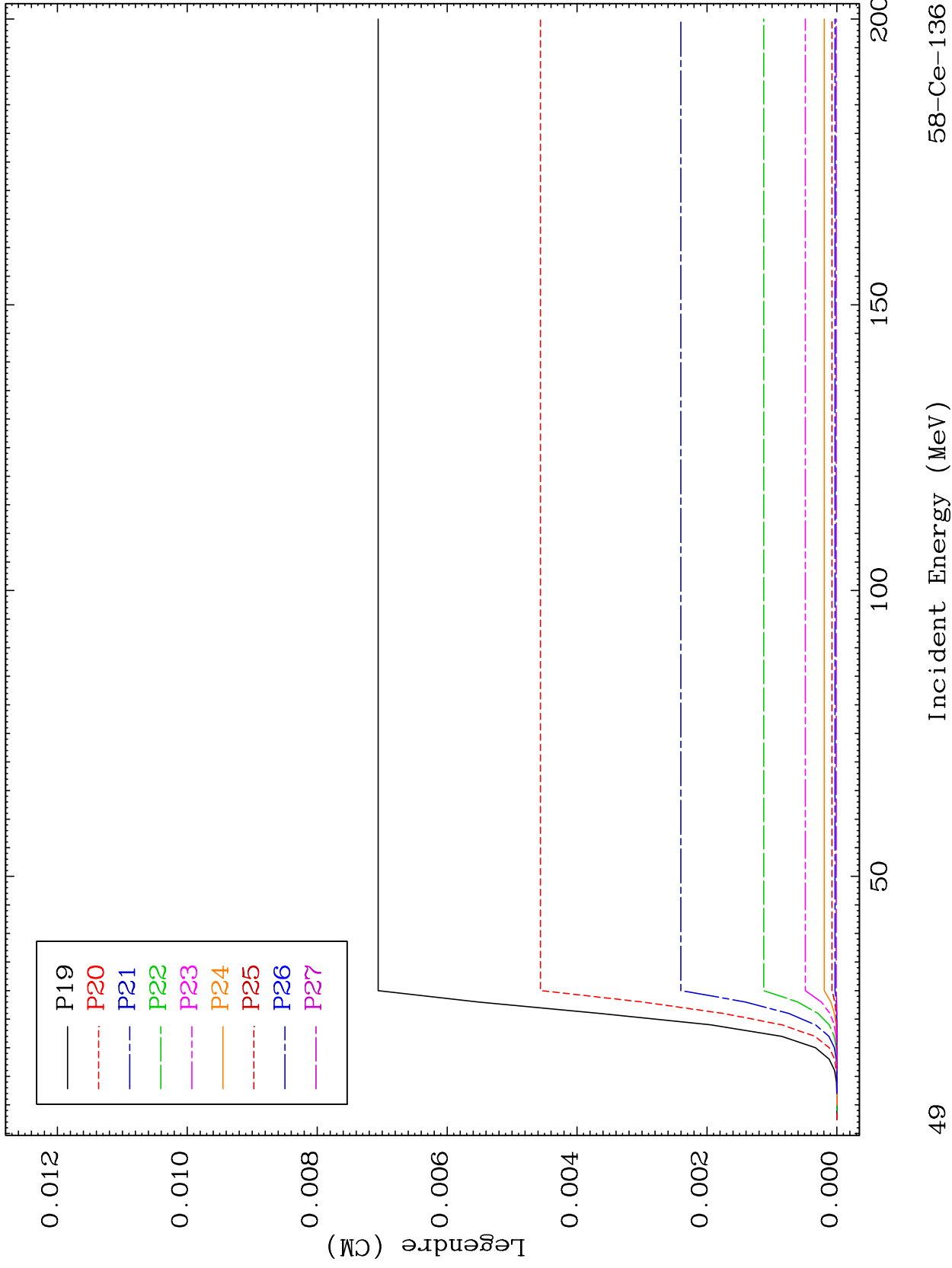








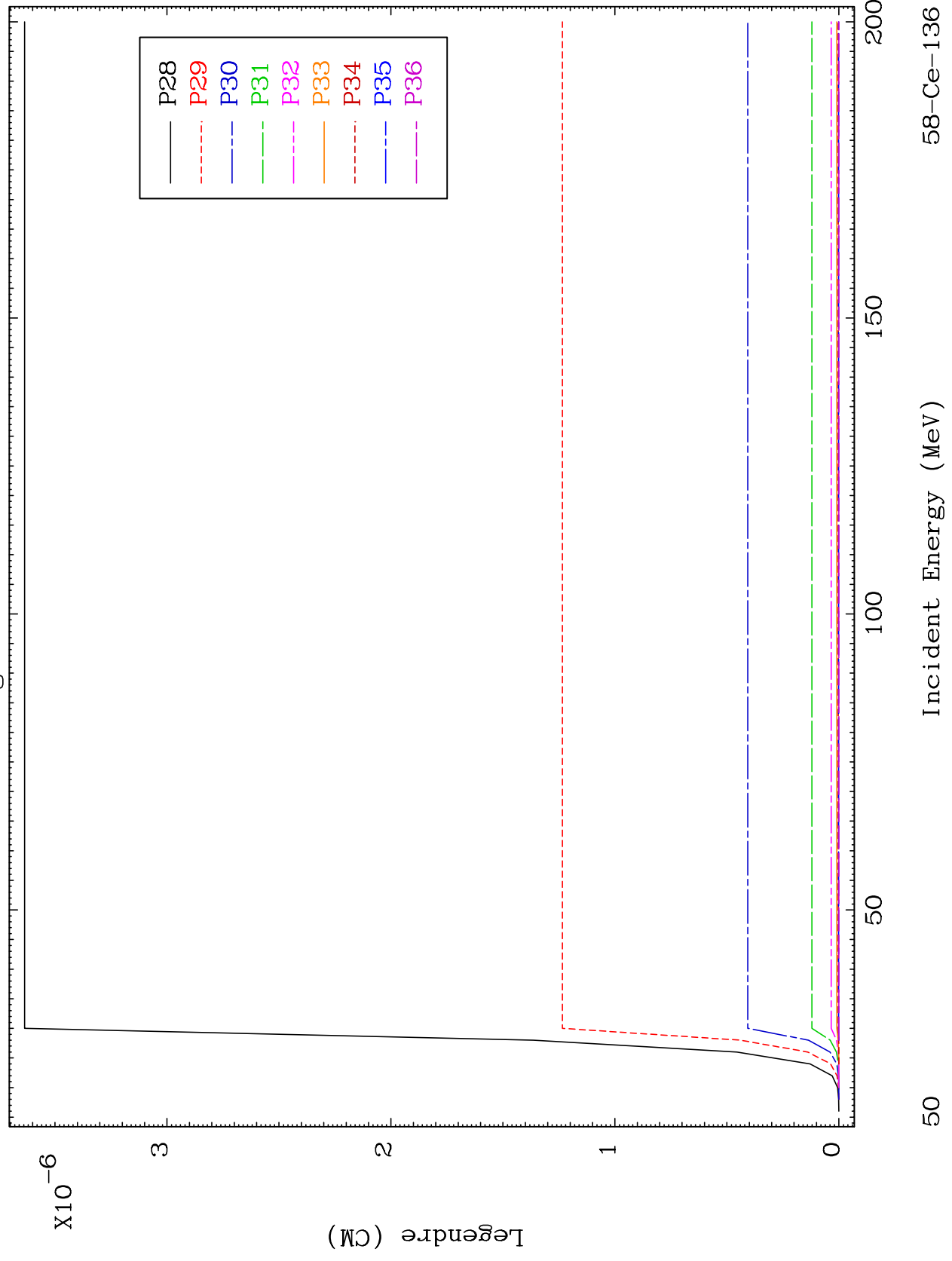




MAT 5825

2.155 MeV (n,n') Level  
Legendre Coefficients

58-Ce-136

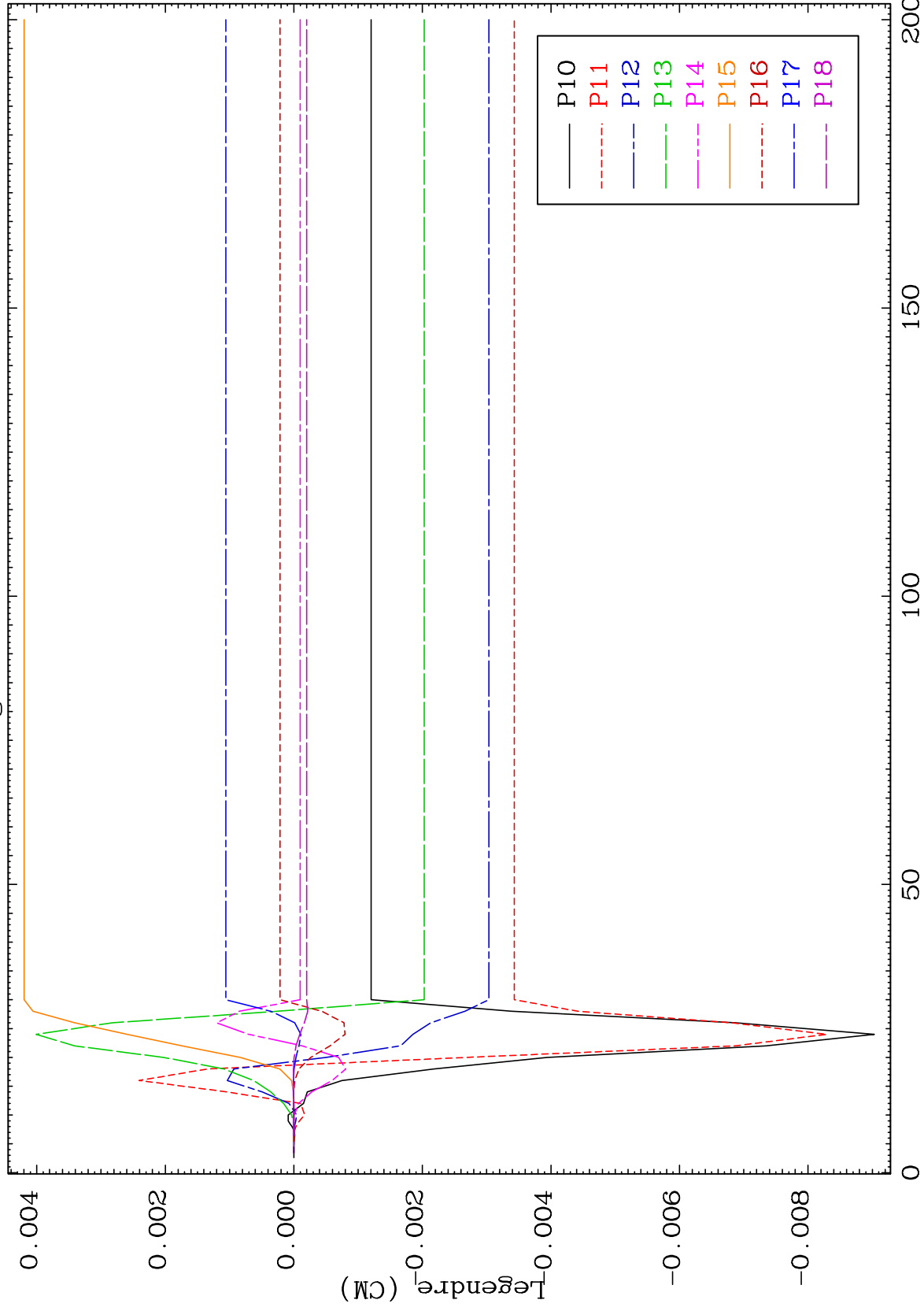




MAT 5825

2.214 MeV (n,n') Level  
Legendre Coefficients

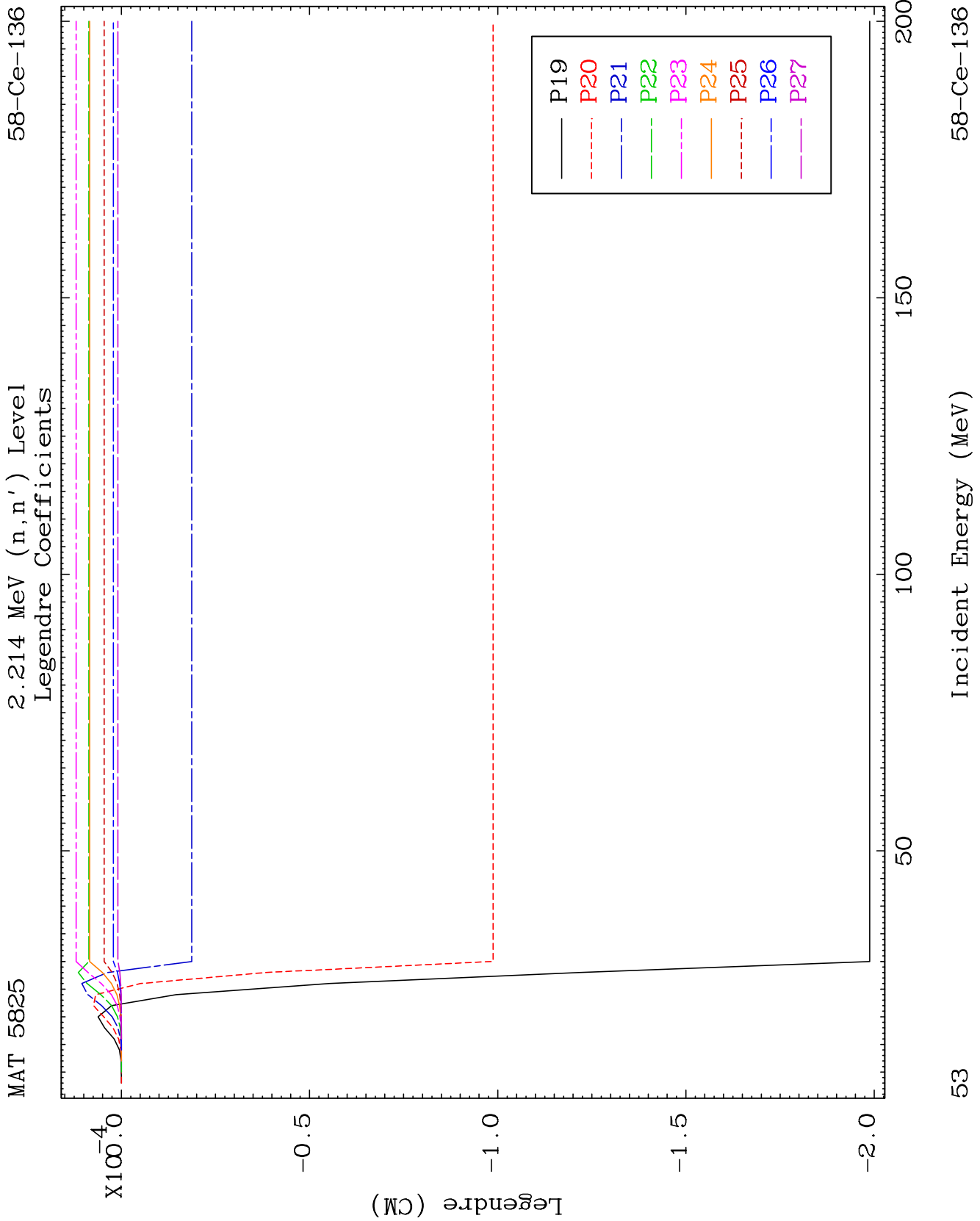
58-Ce-136



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Incident Energy (MeV)

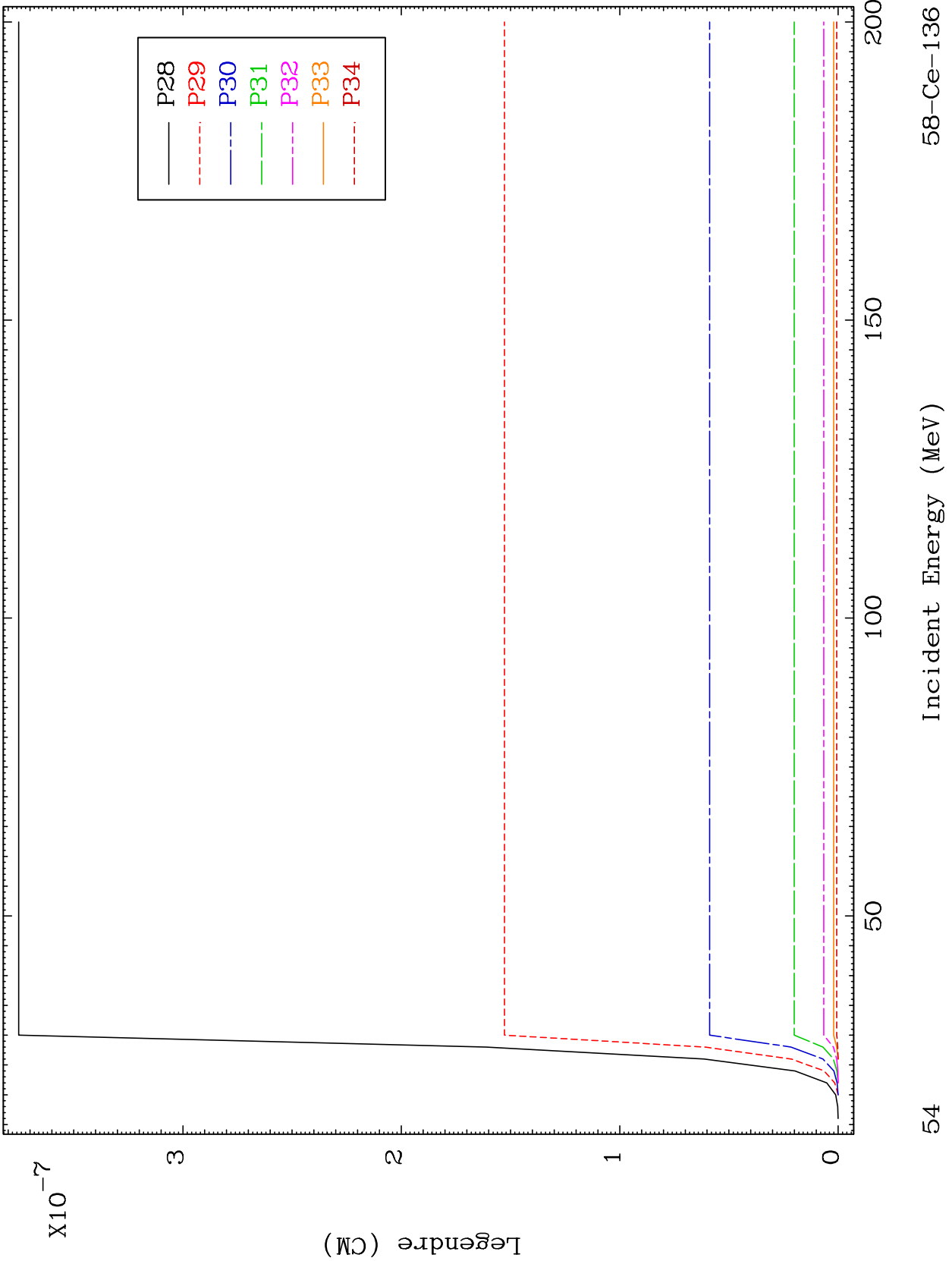
58-Ce-136



MAT 5825

2.214 MeV (n,n') Level  
Legendre Coefficients

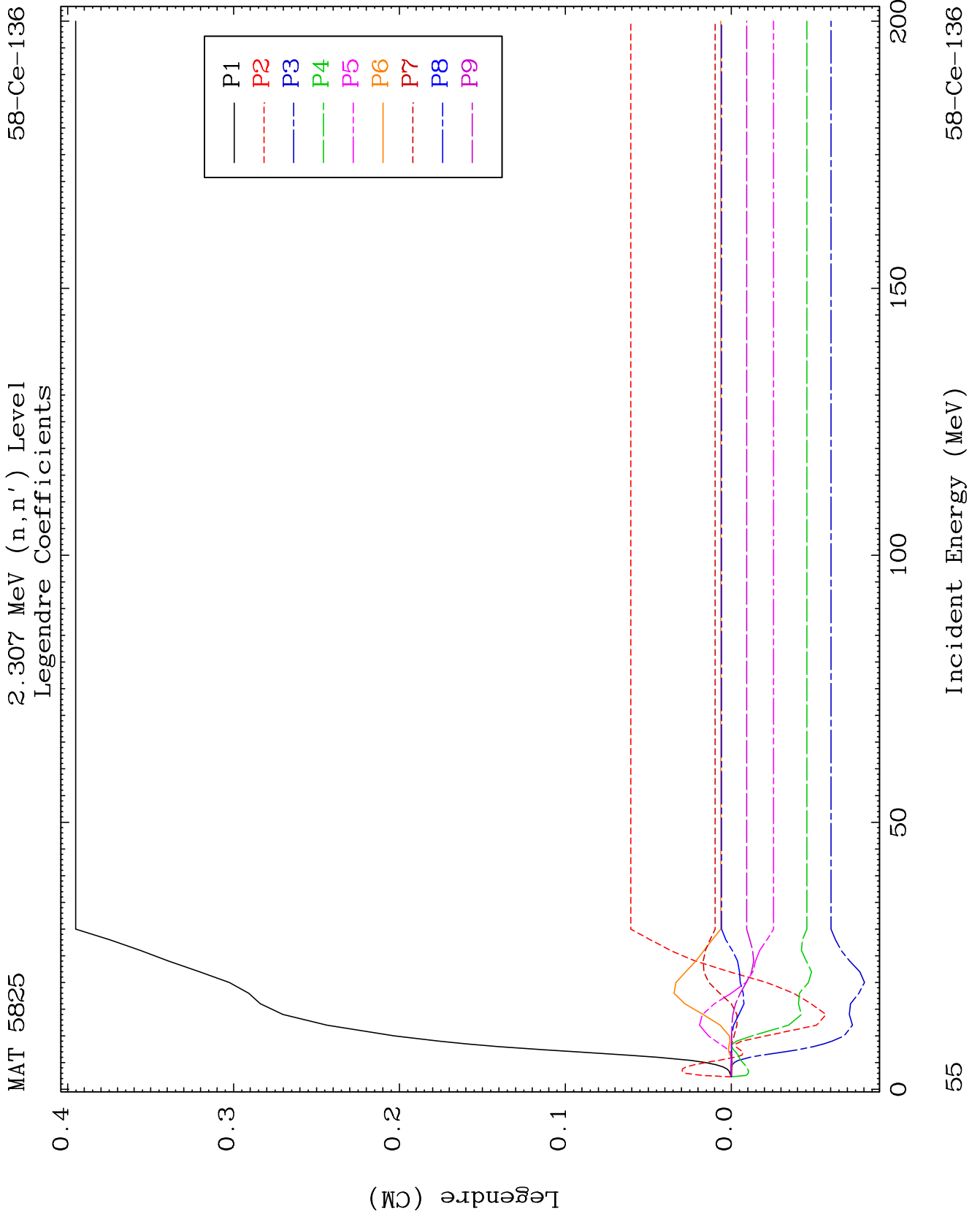
58-Ce-136



58-Ce-136

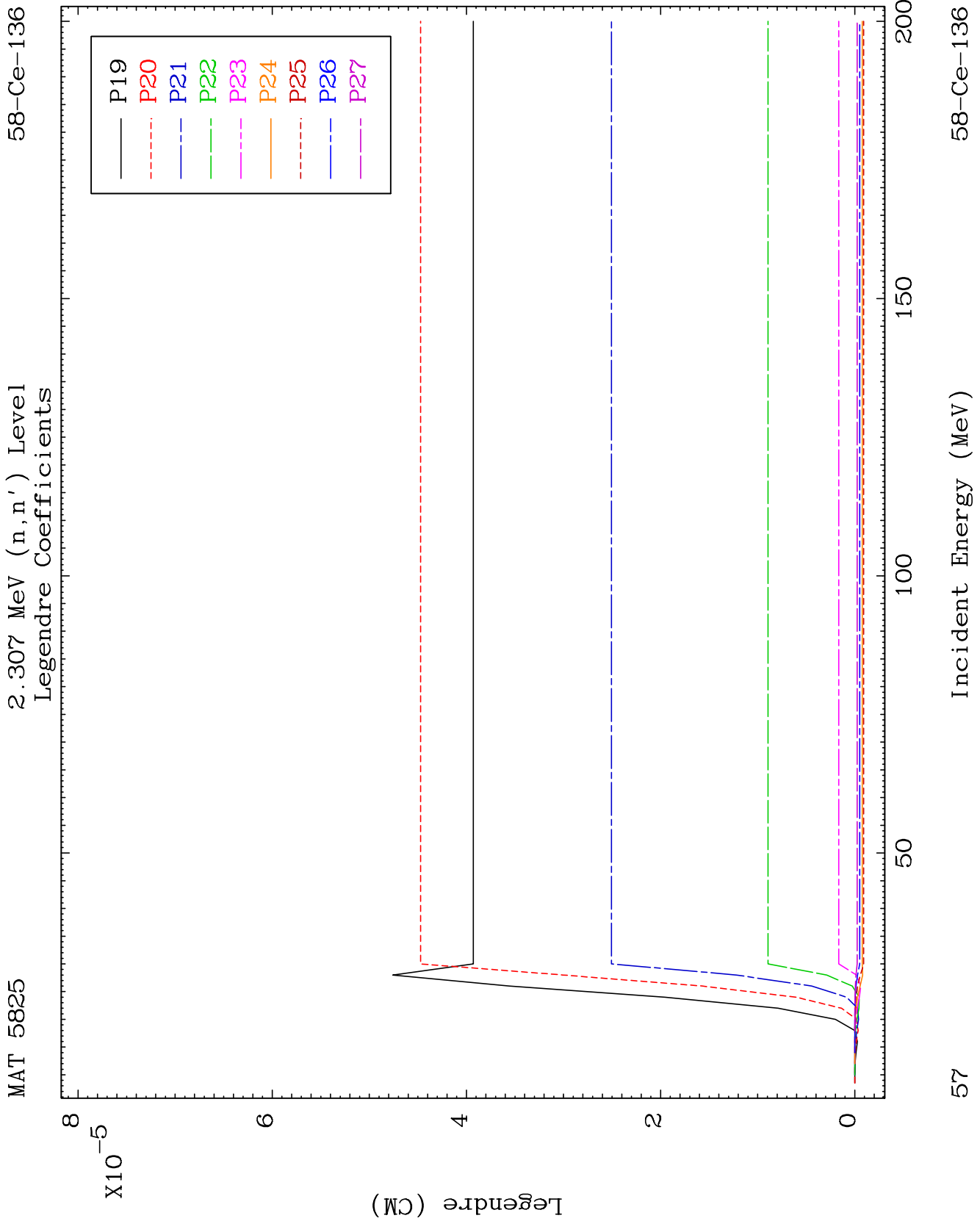
Incident Energy (MeV)

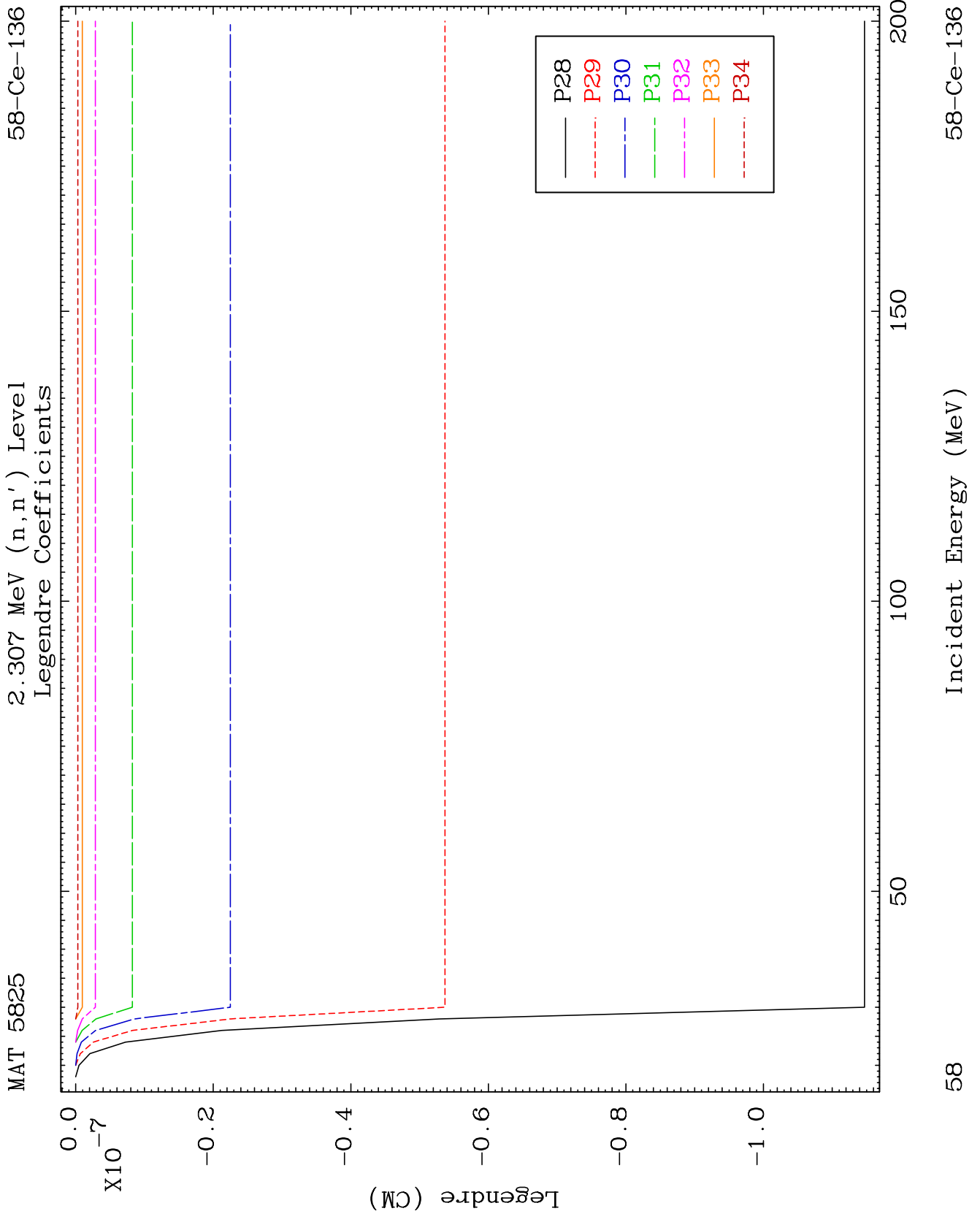
54

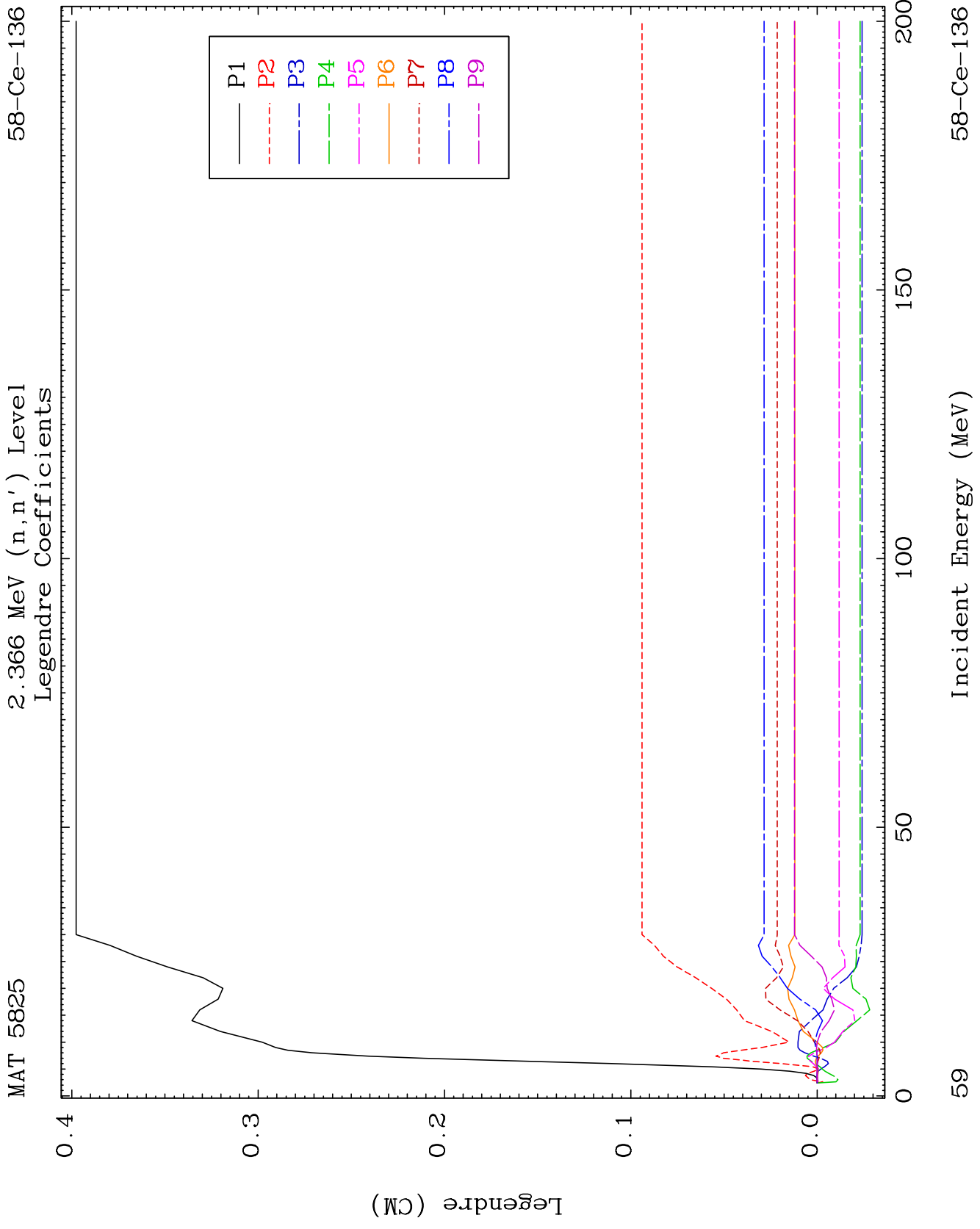




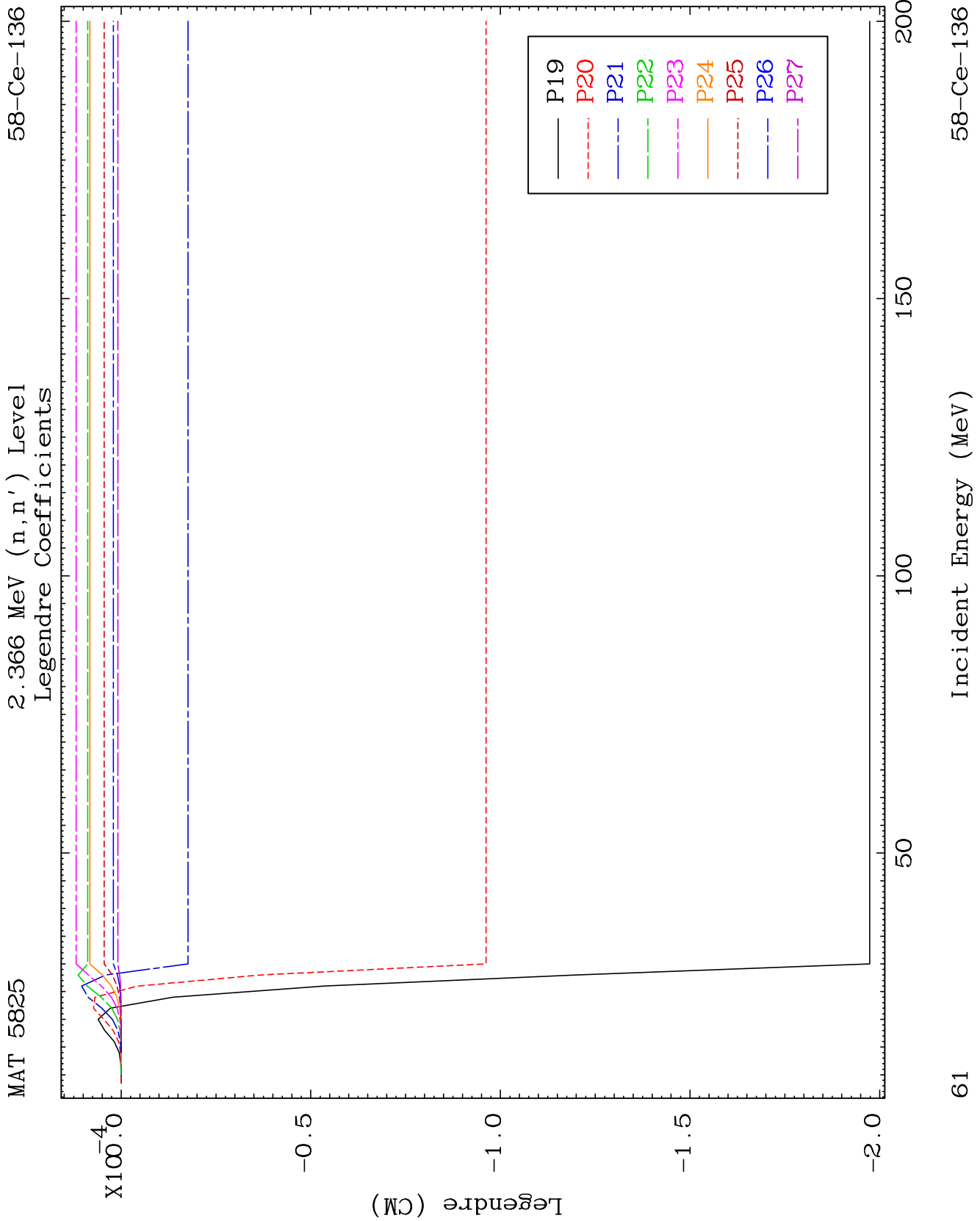








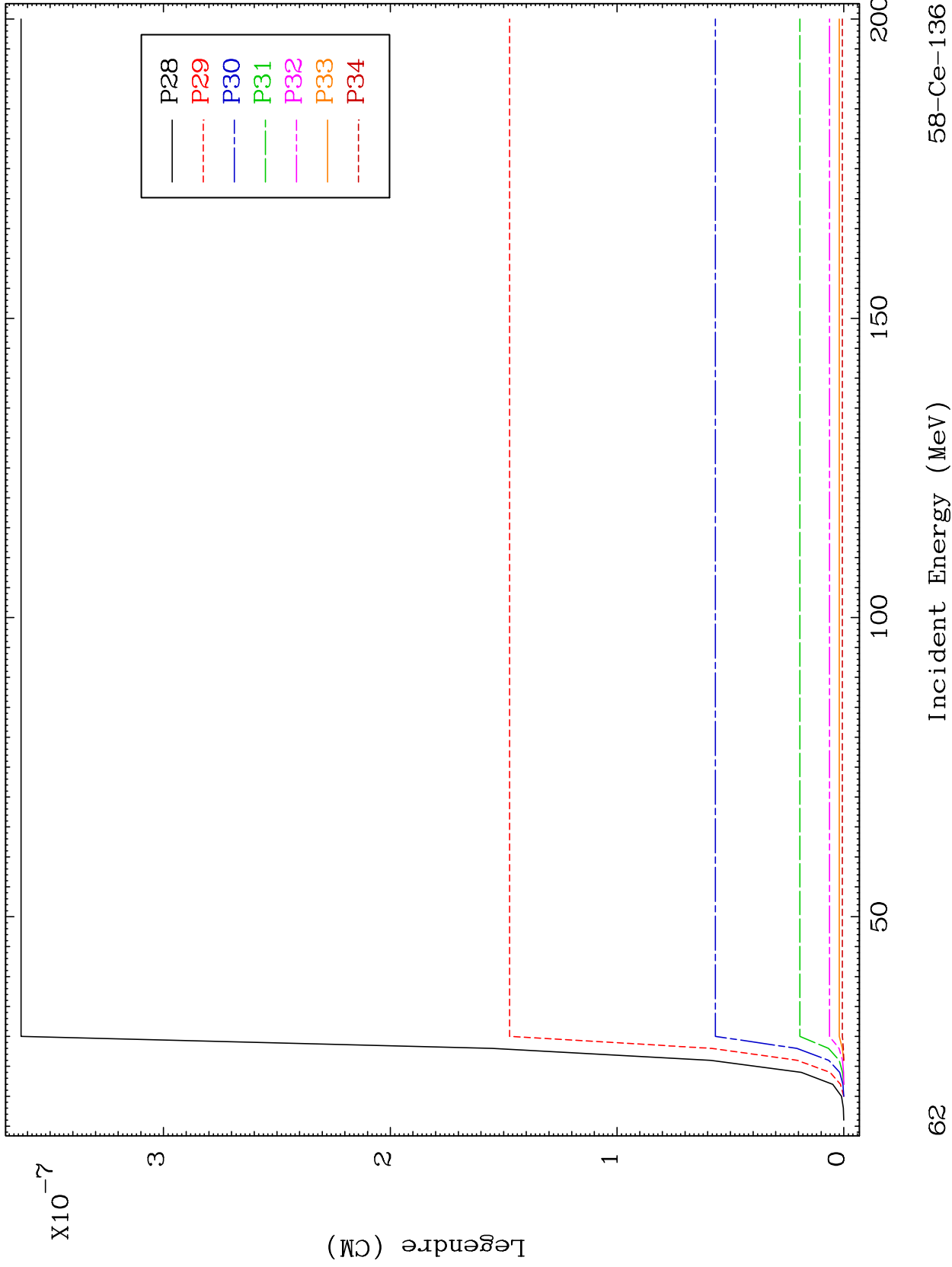




MAT 5825

2.366 MeV (n,n') Level  
Legendre Coefficients

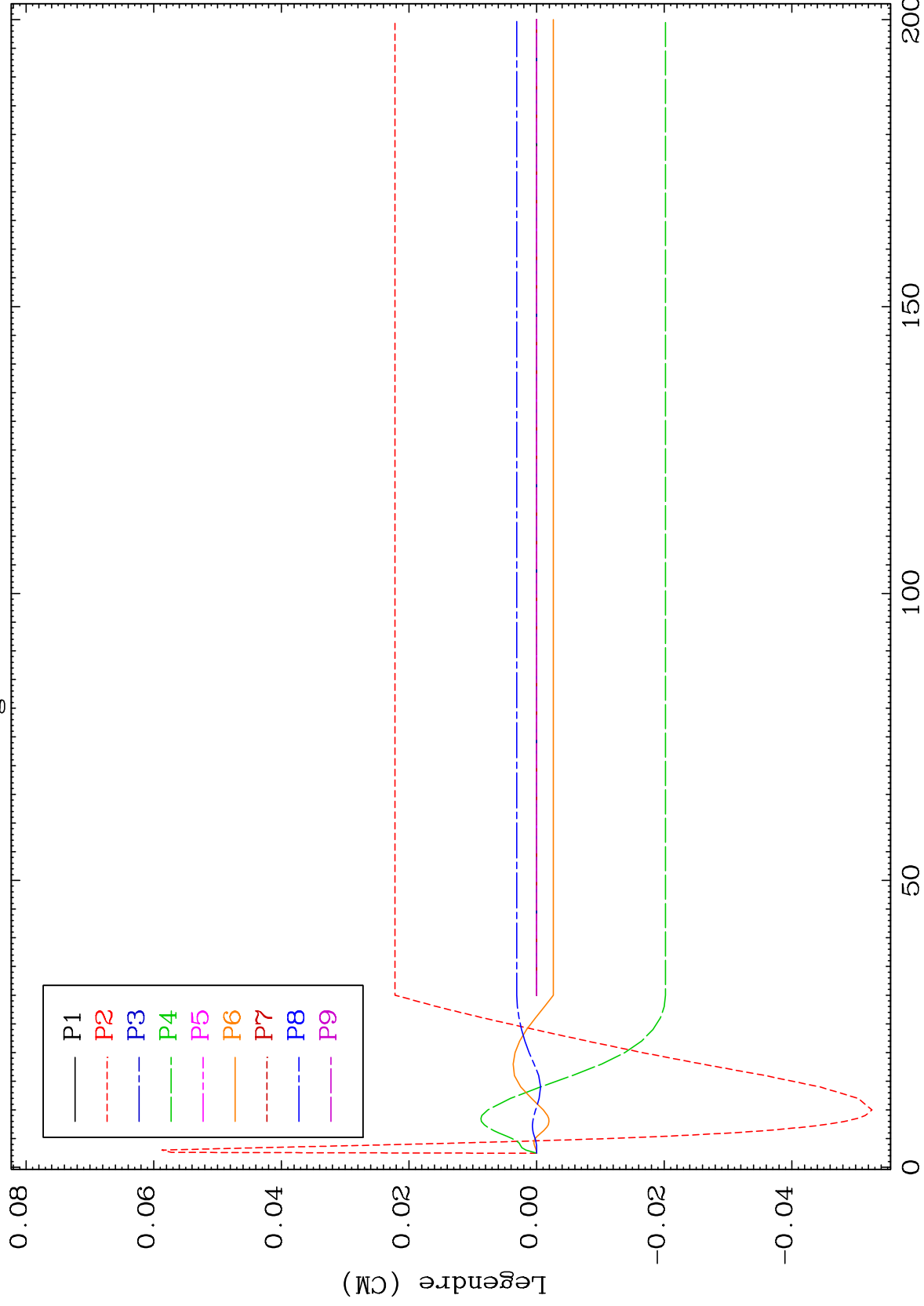
58-Ce-136



MAT 5825

2.425 MeV (n,n') Level  
Legendre Coefficients

58-Ce-136



63

Incident Energy (MeV)

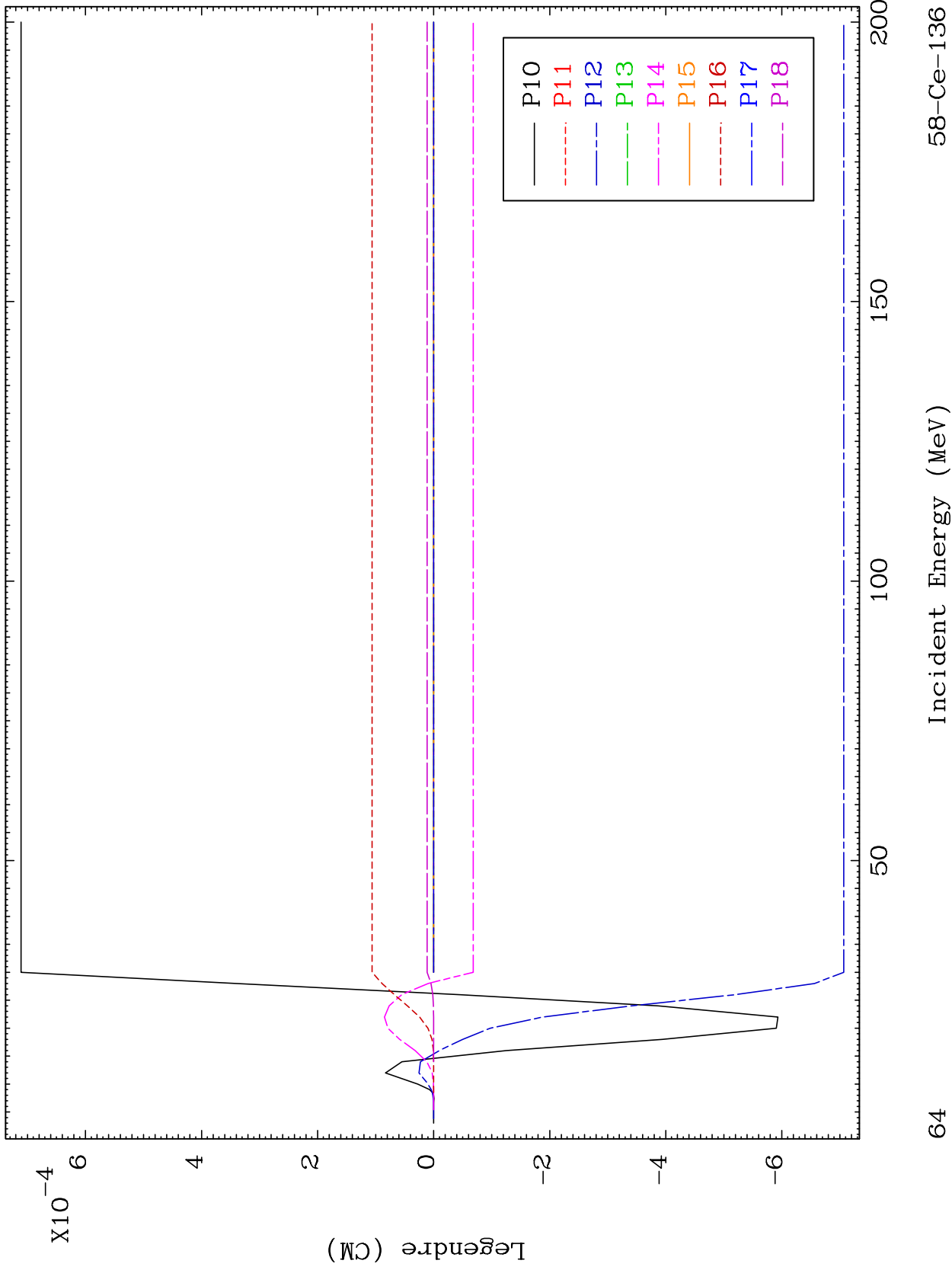
58-Ce-136



MAT 5825

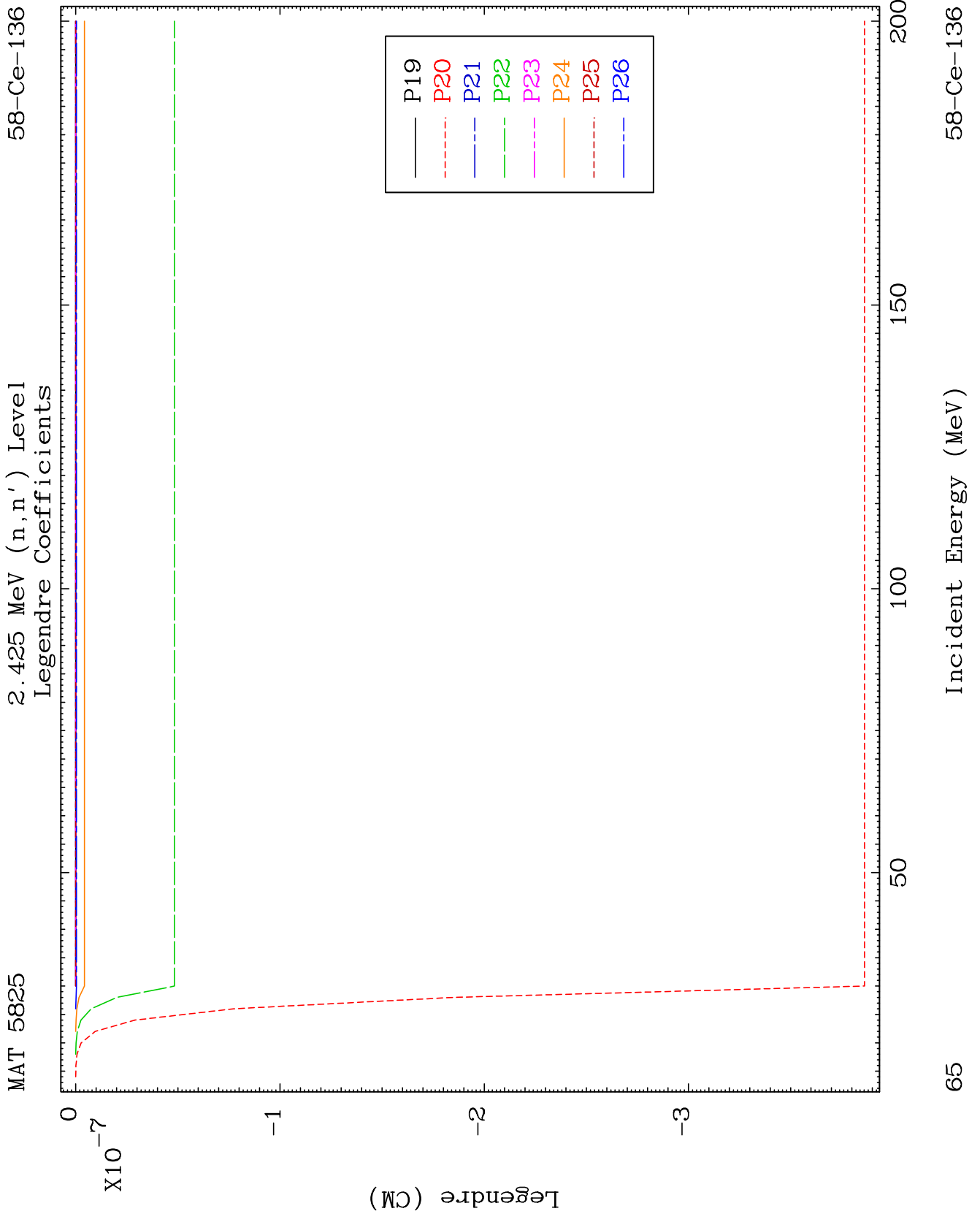
2.425 MeV (n,n') Level  
Legendre Coefficients

58-Ce-136

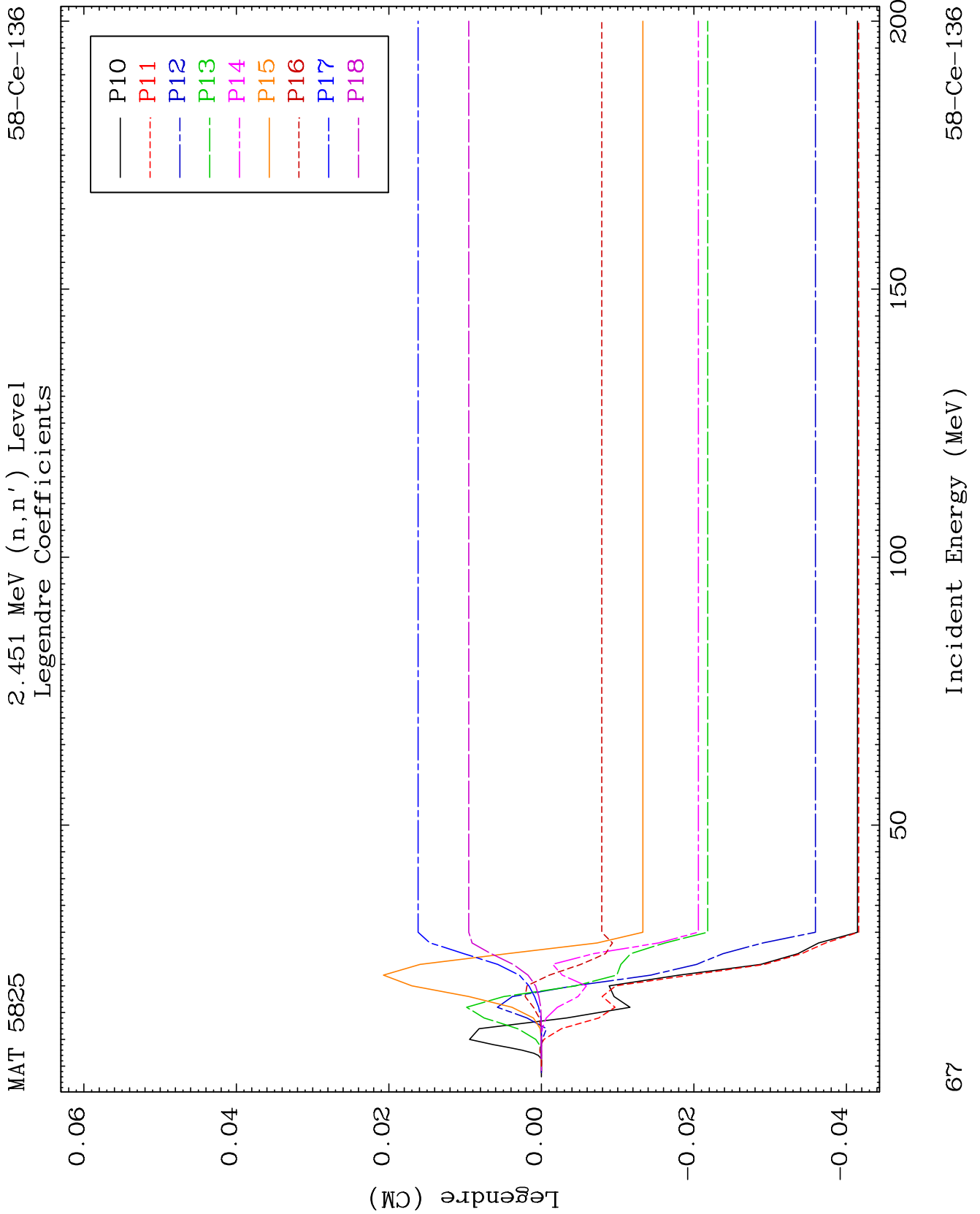


58-Ce-136

Incident Energy (MeV)



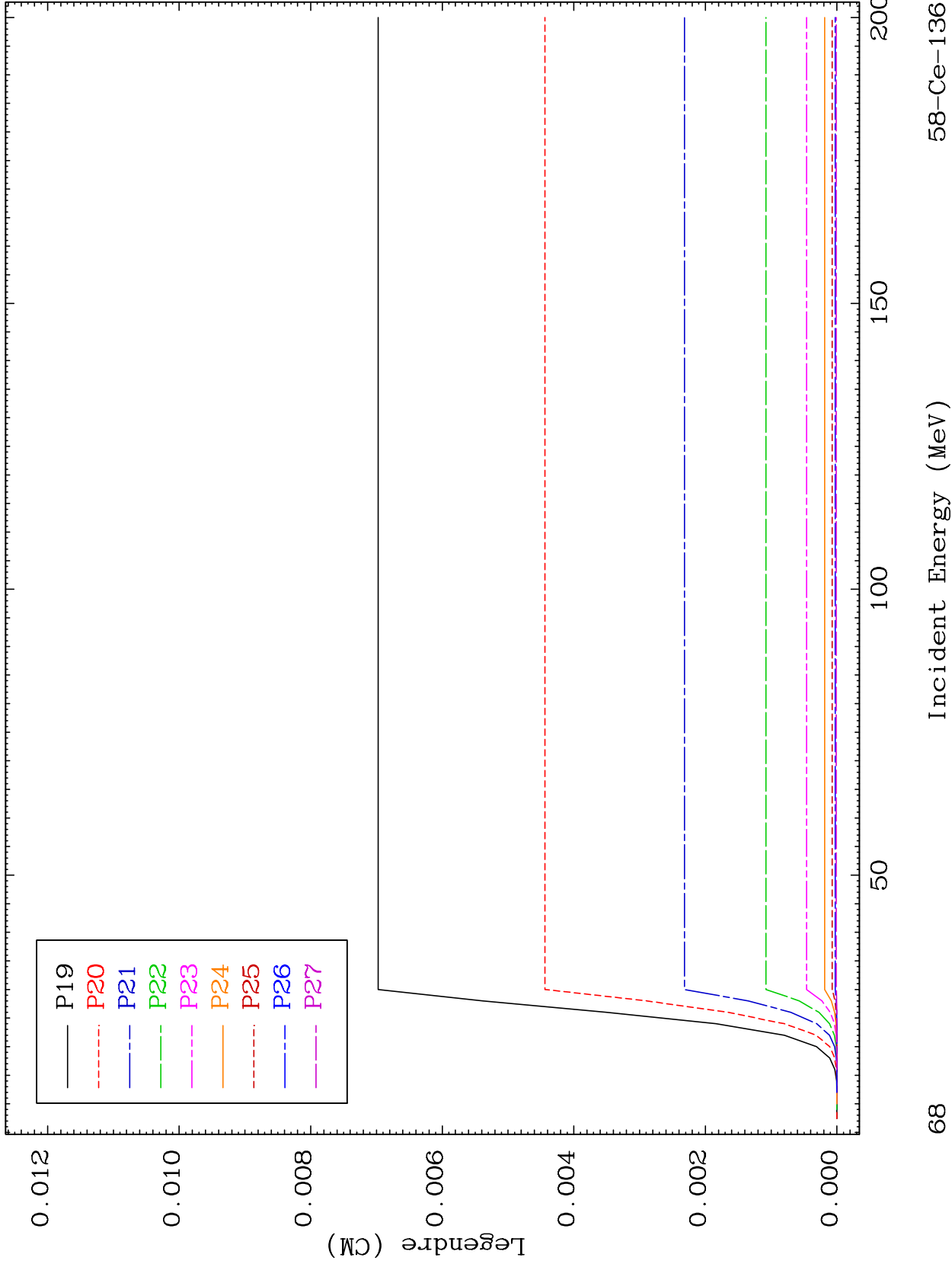




MAT 5825

2.451 MeV (n,n') Level  
Legendre Coefficients

58-Ce-136



68

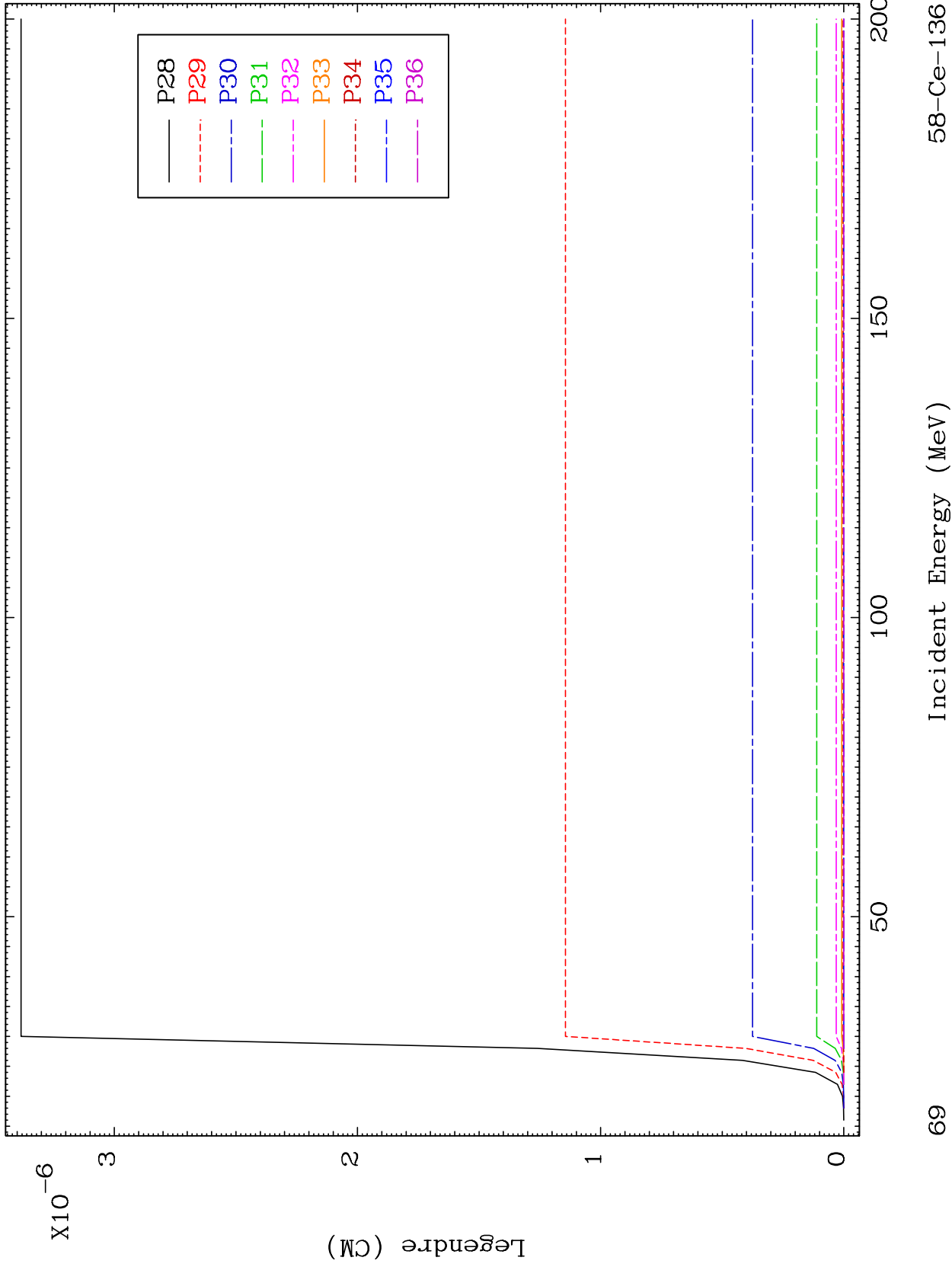
Incident Energy (MeV)

58-Ce-136

MAT 5825

2.451 MeV (n,n') Level  
Legendre Coefficients

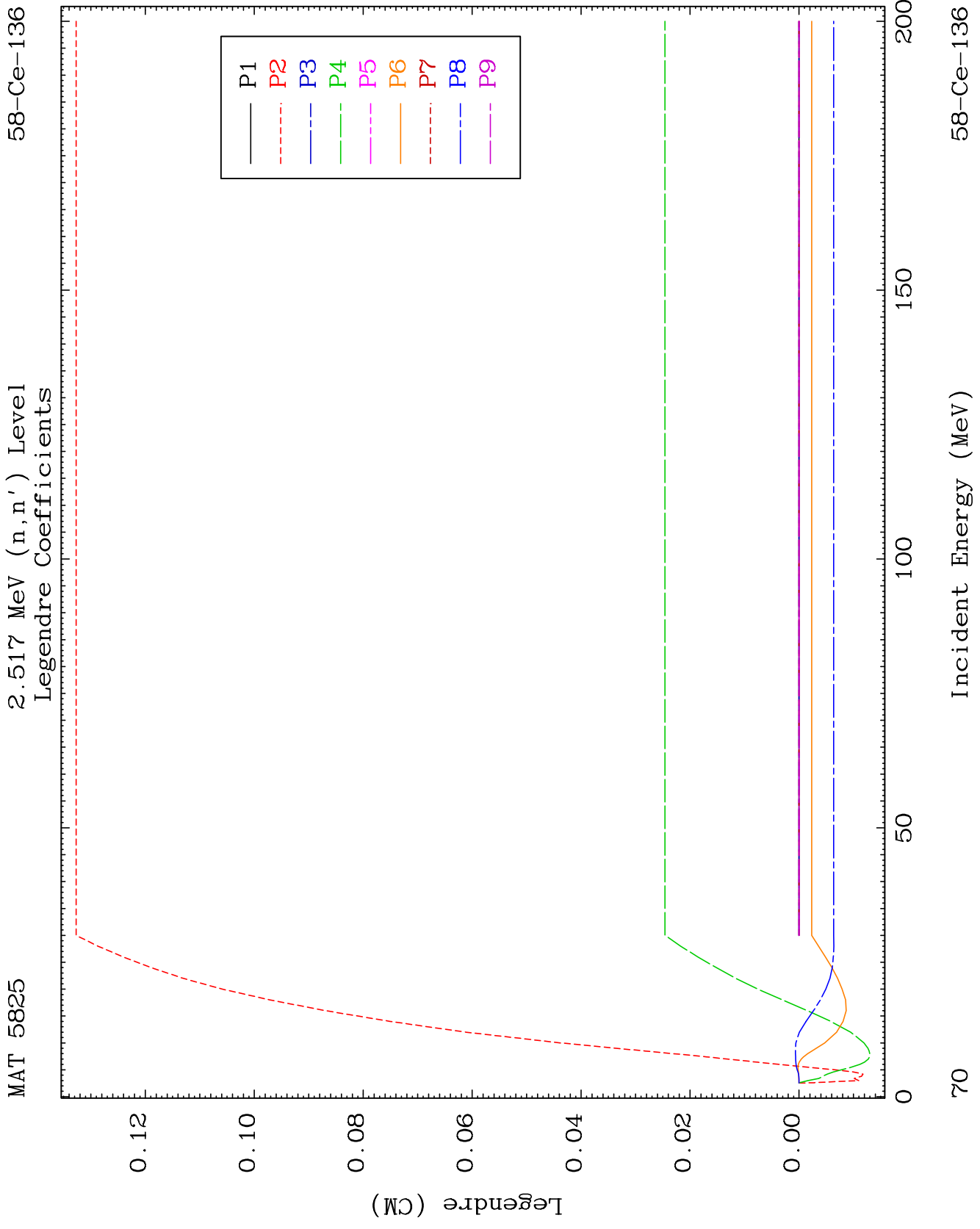
58-Ce-136

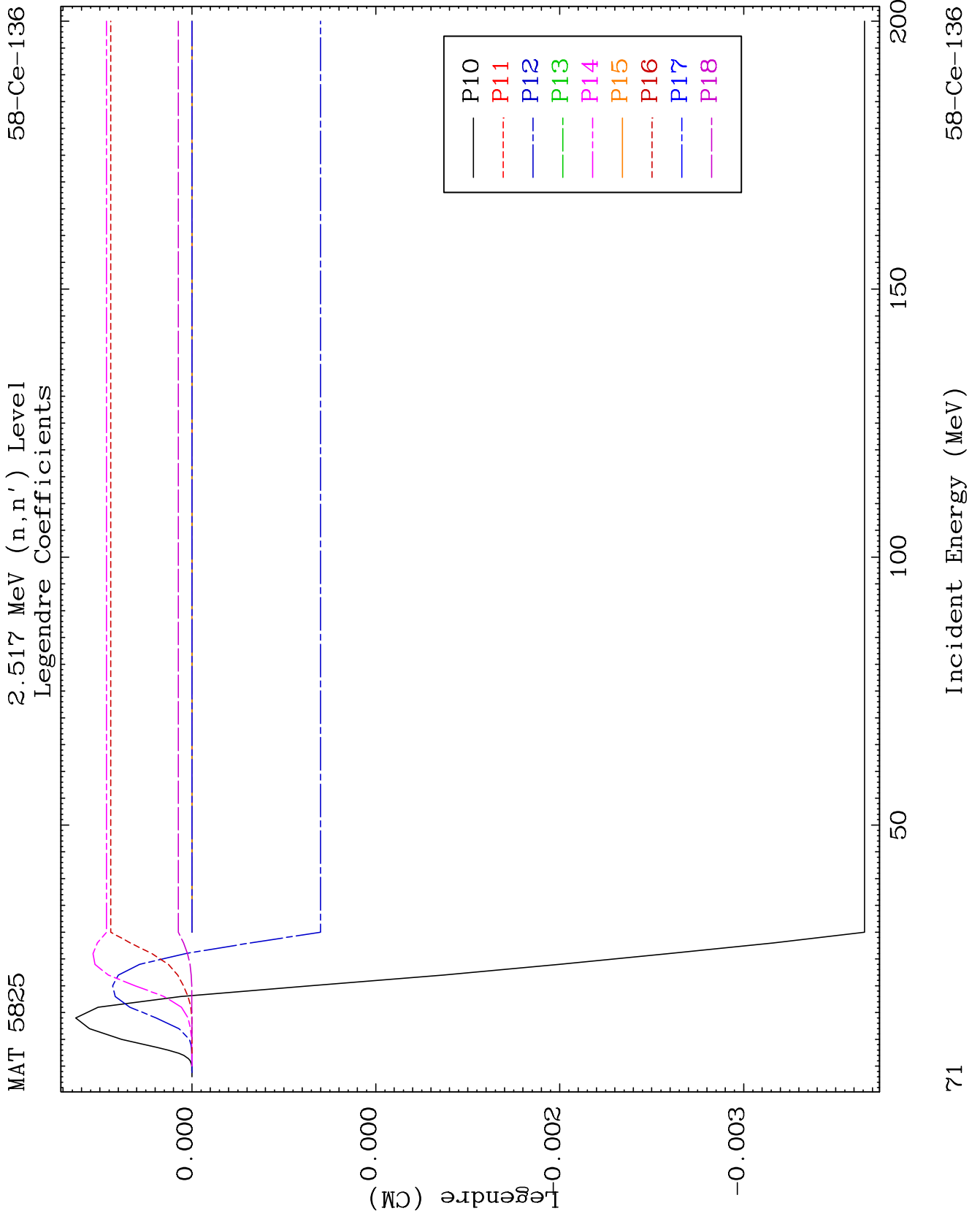


69

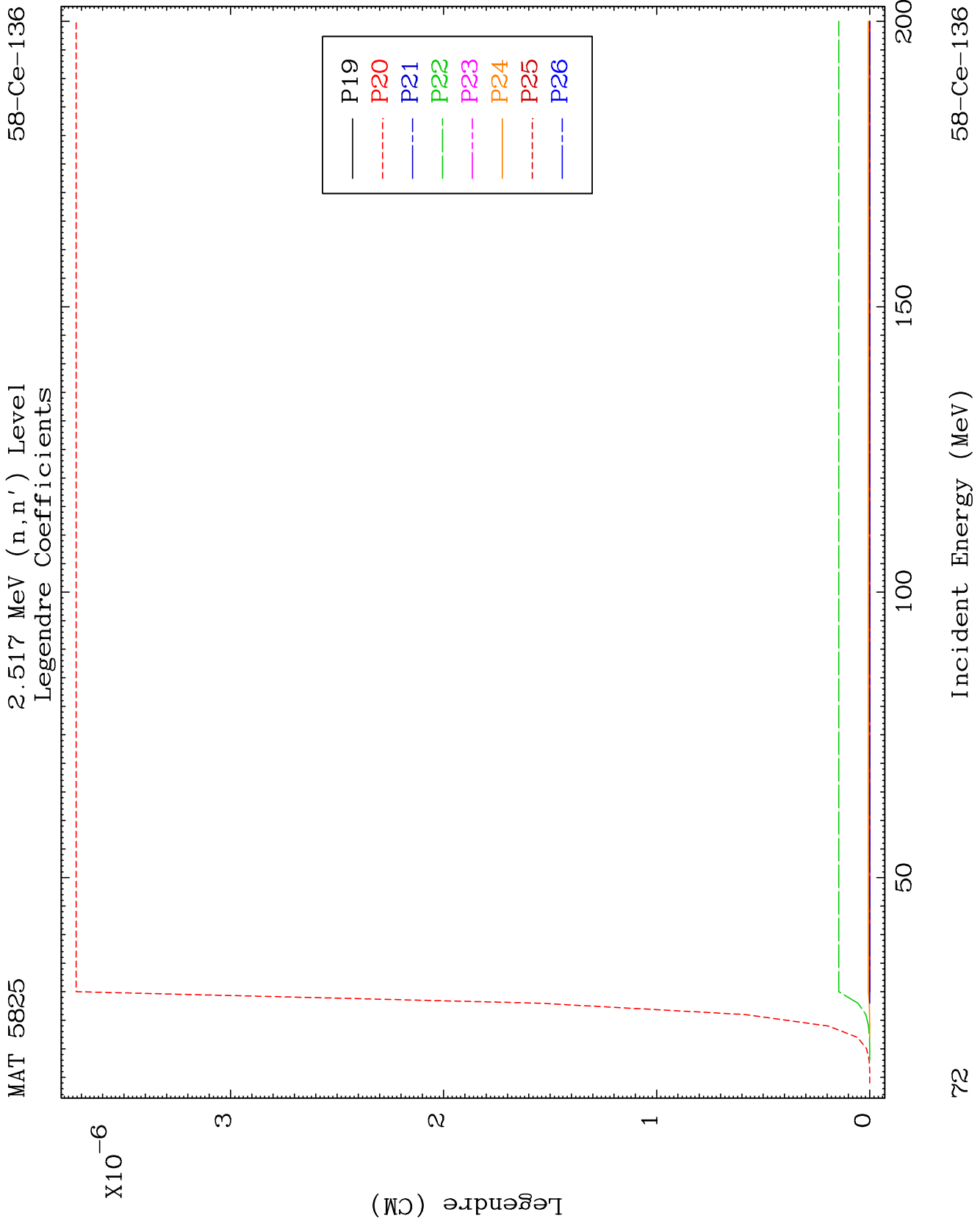
Incident Energy (MeV)

58-Ce-136

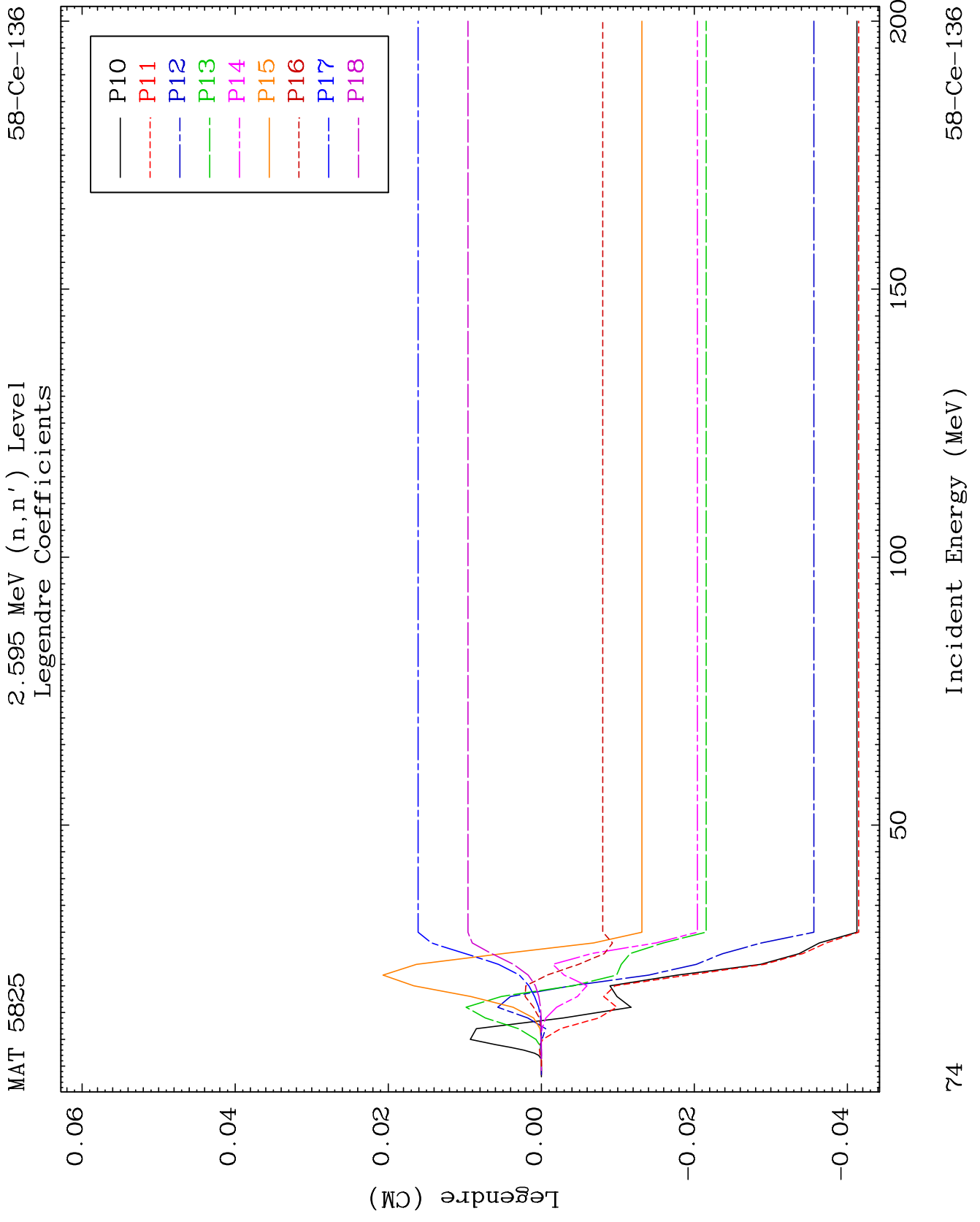








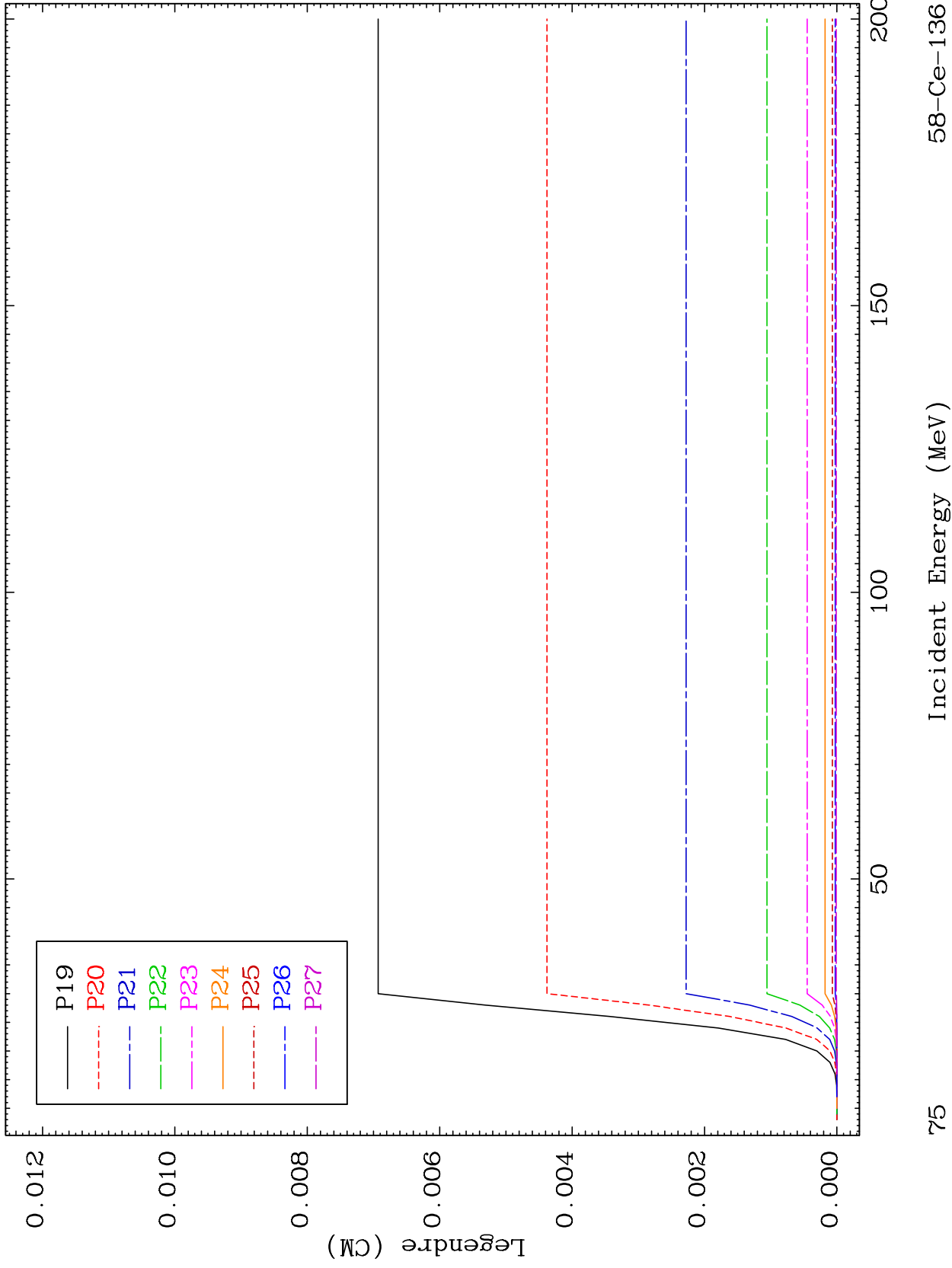




MAT 5825

2.595 MeV (n,n') Level  
Legendre Coefficients

58-Ce-136



75

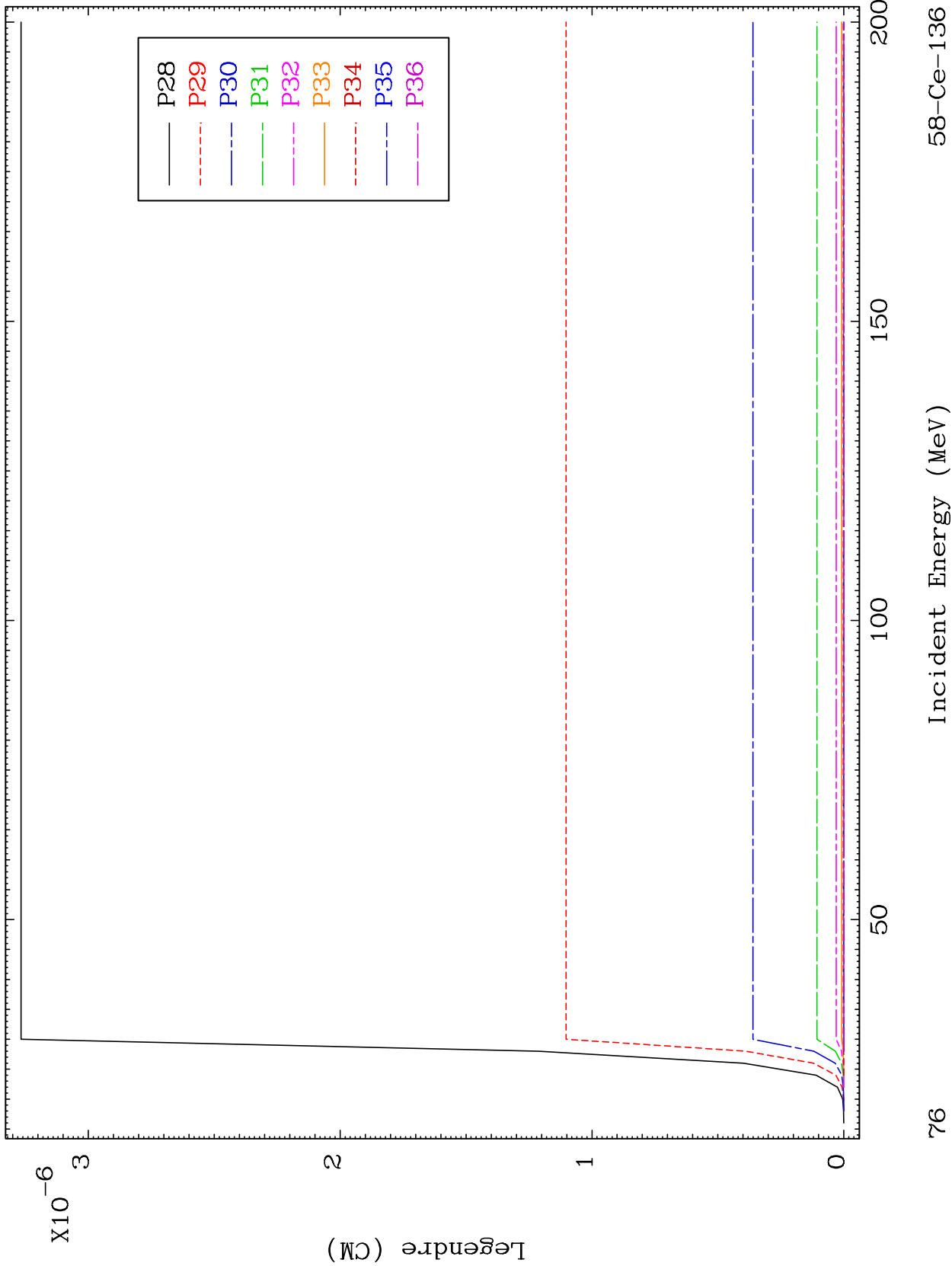
Incident Energy (MeV)

58-Ce-136

MAT 5825

2.595 MeV (n,n') Level  
Legendre Coefficients

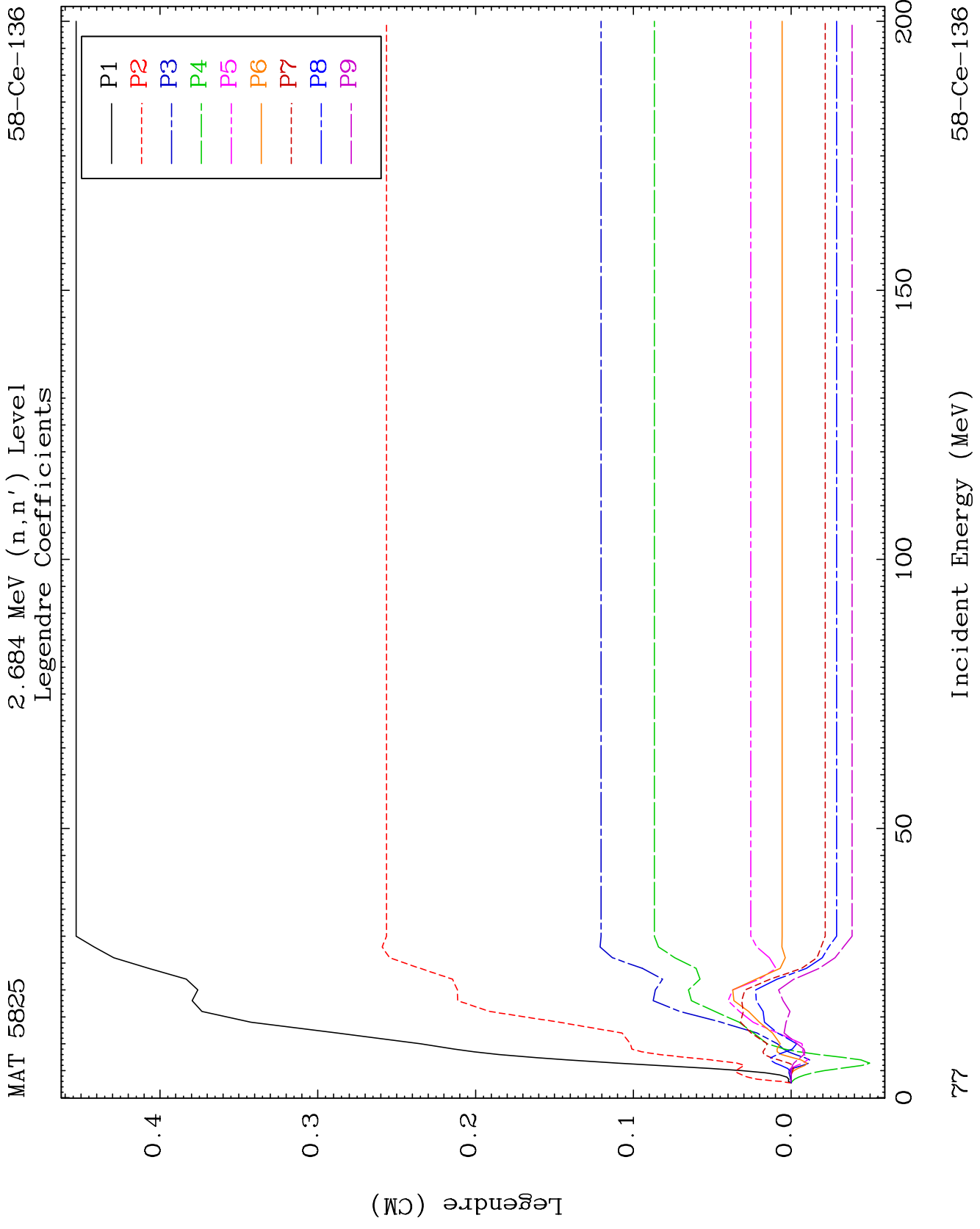
58-Ce-136



76

Incident Energy (MeV)

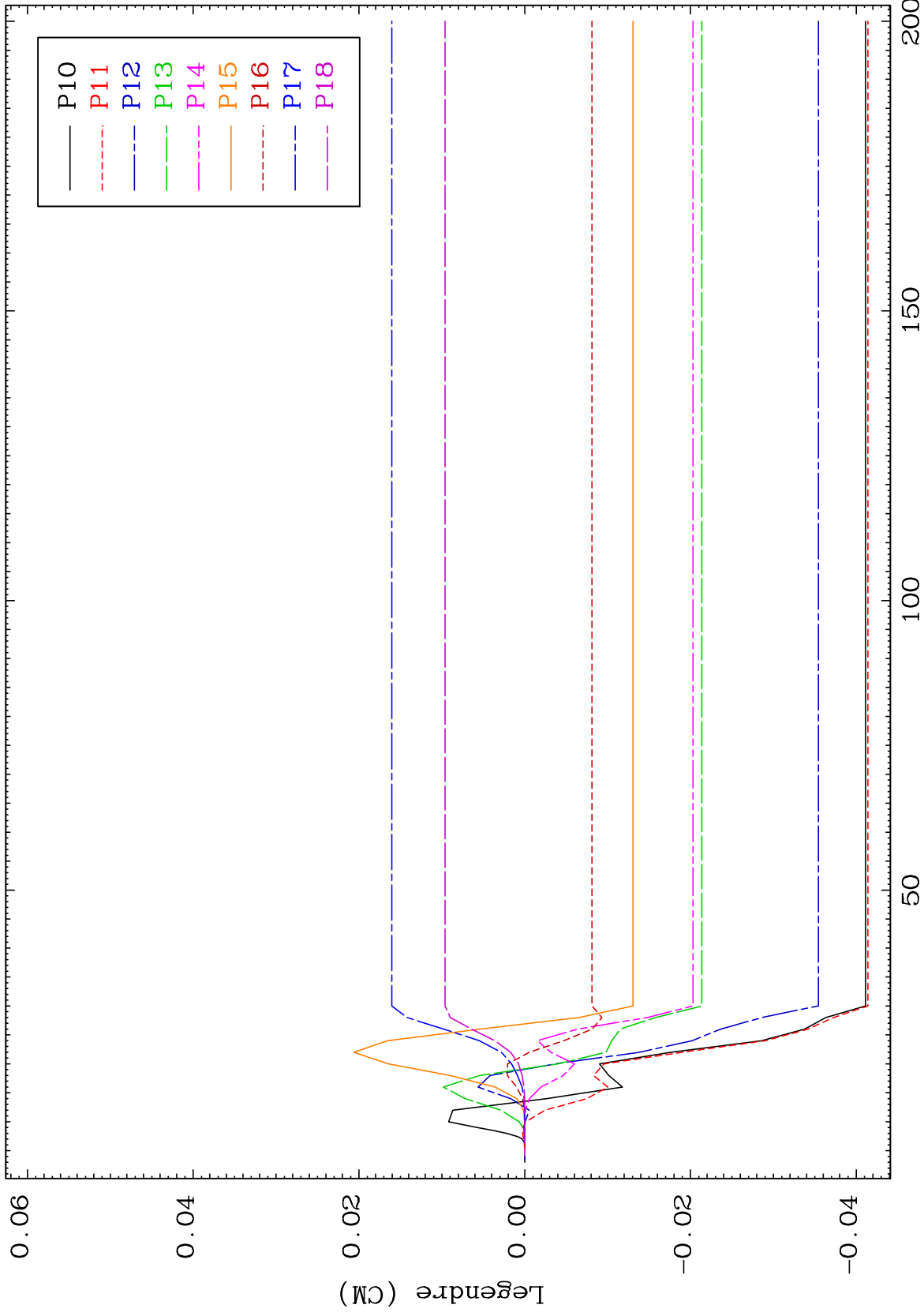
58-Ce-136



MAT 5825

2.684 MeV (n,n') Level  
Legendre Coefficients

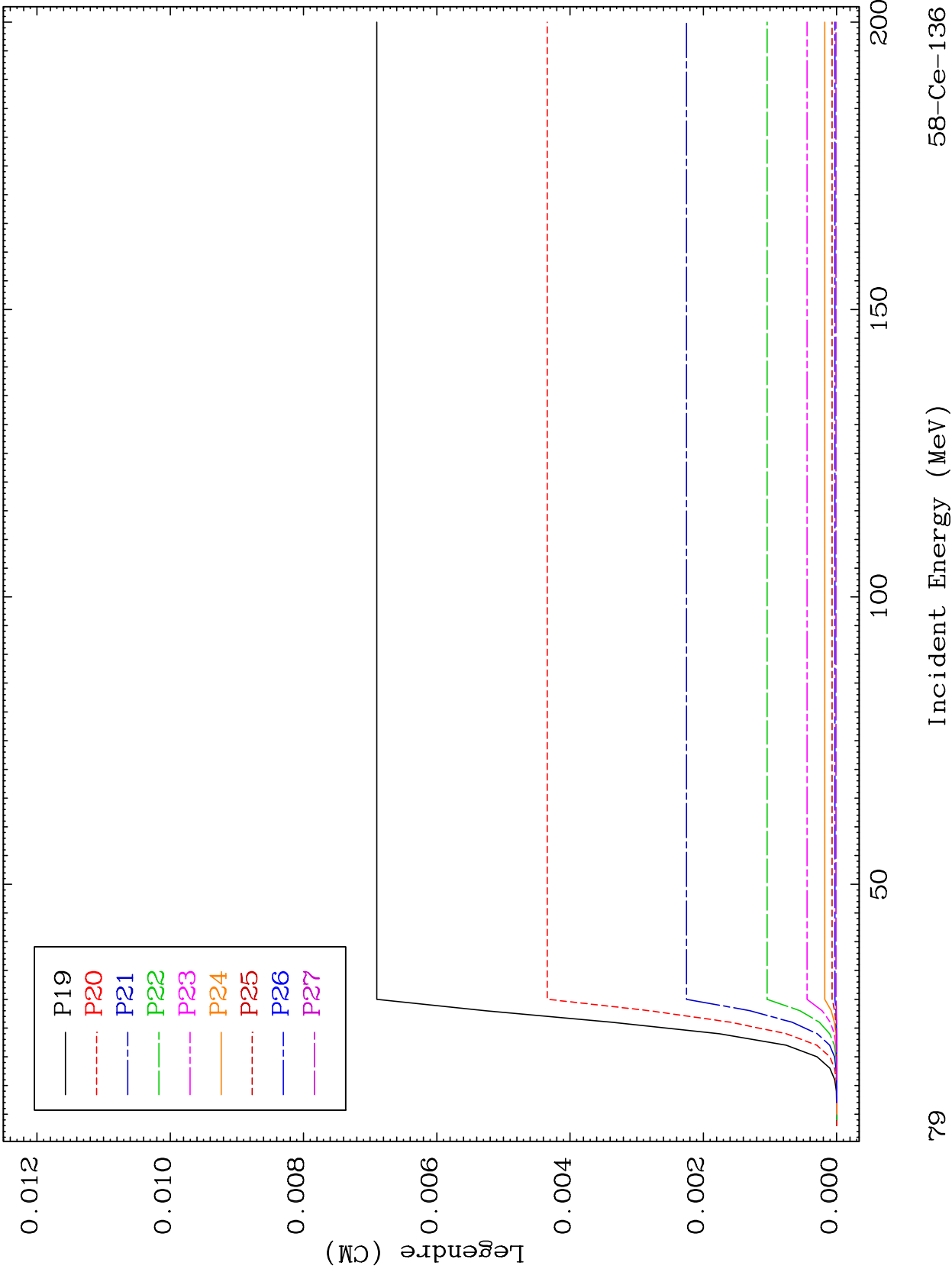
58-Ce-136



78

Incident Energy (MeV)

58-Ce-136

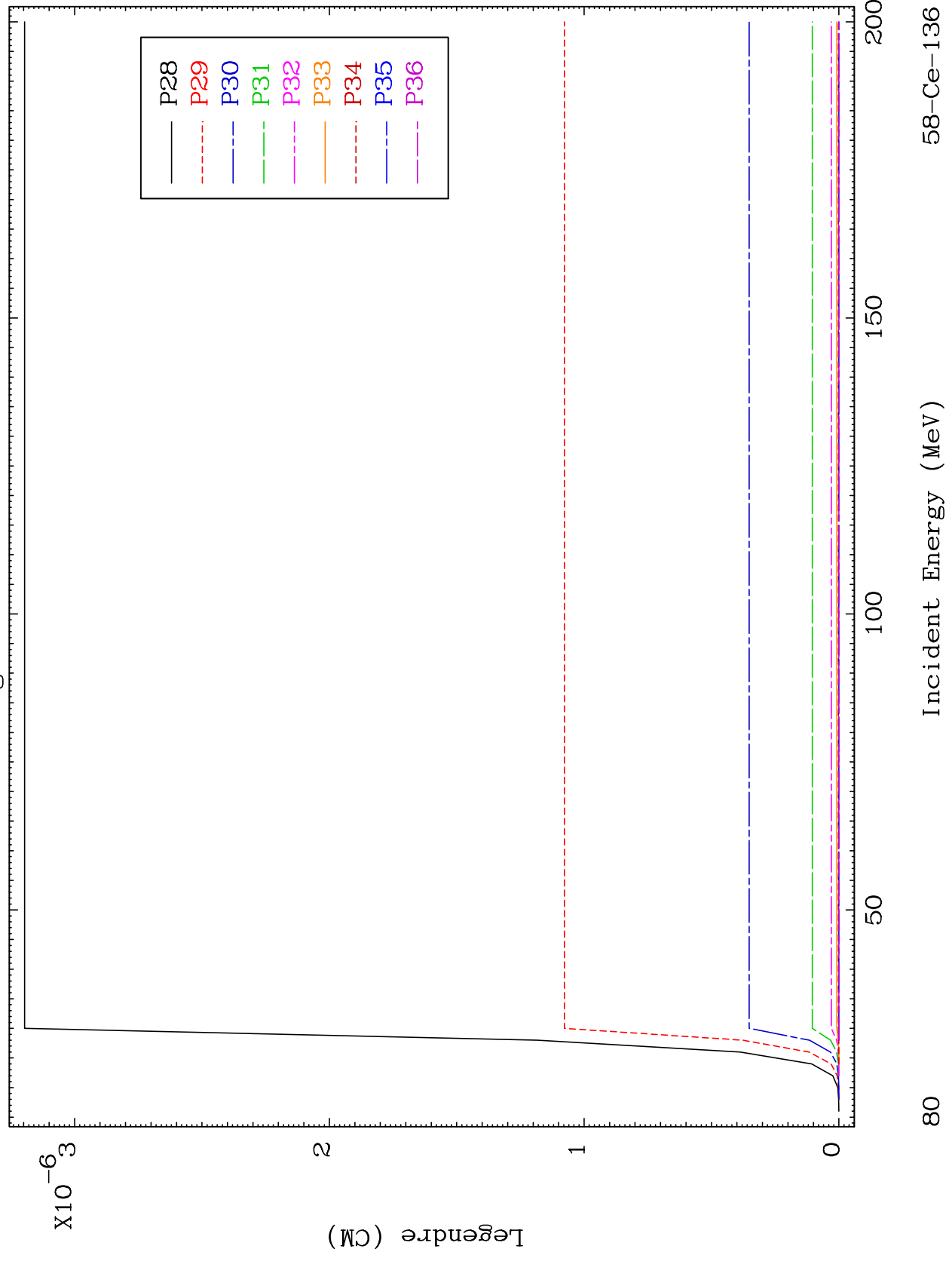




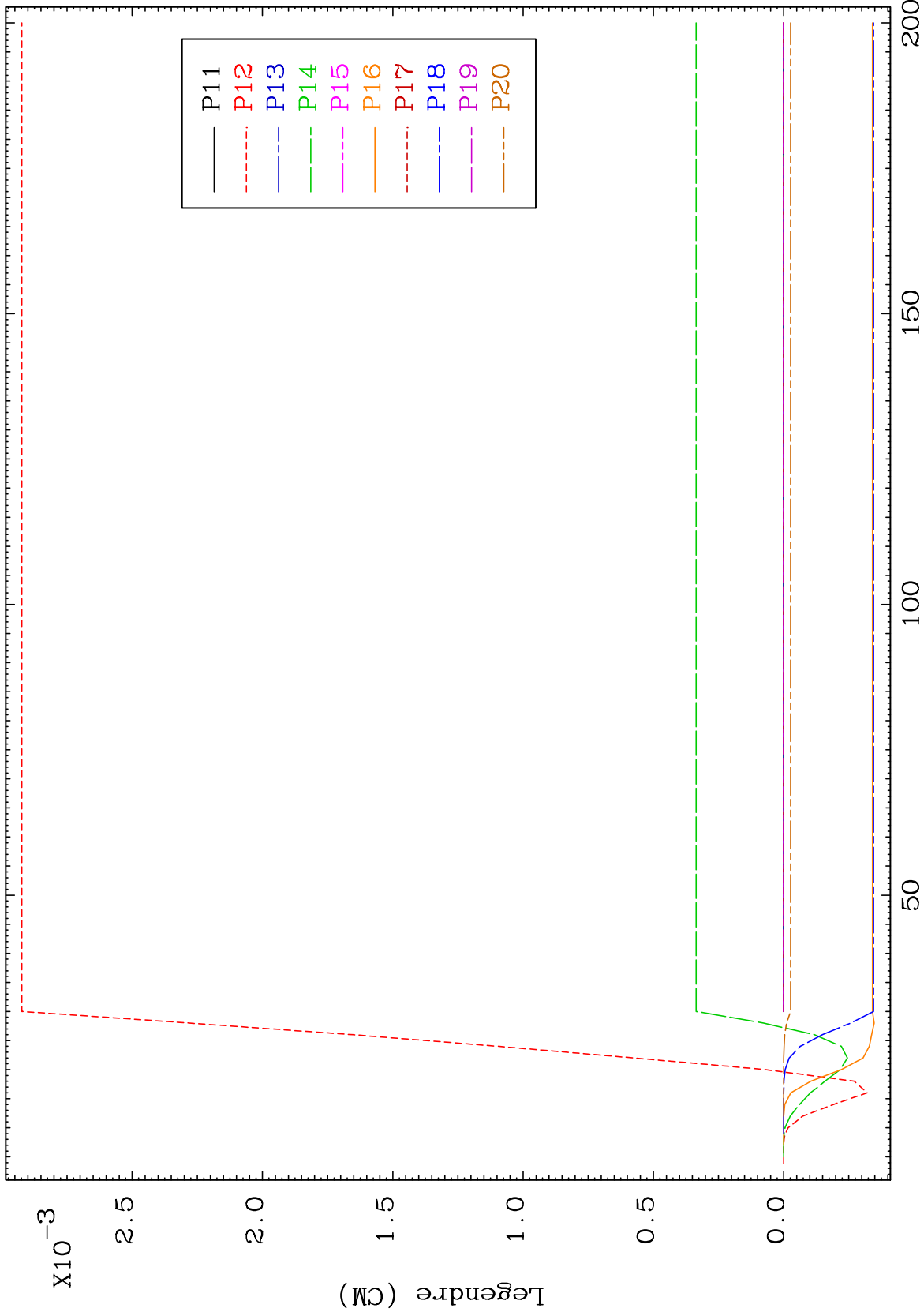
MAT 5825

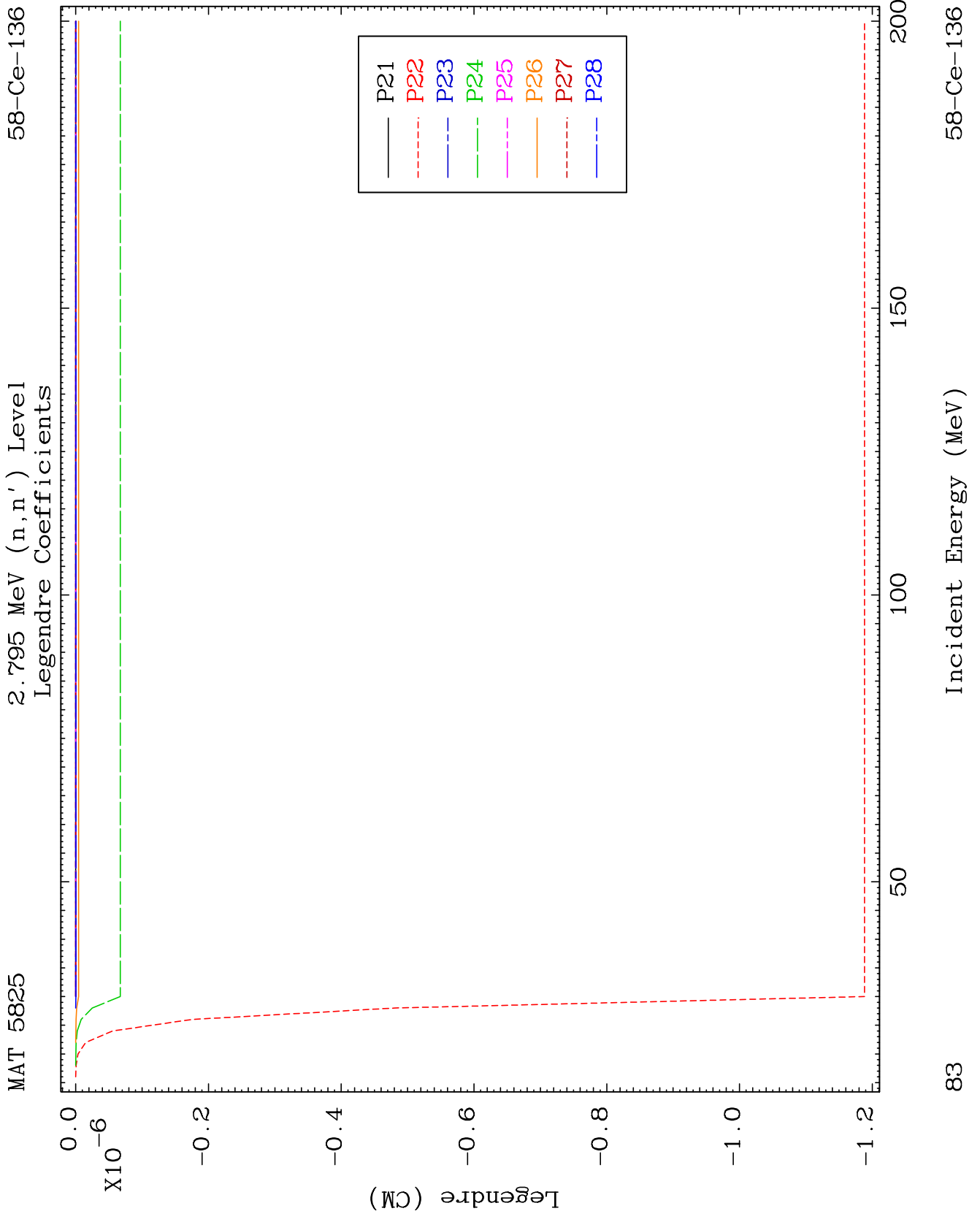
2.684 MeV (n,n') Level  
Legendre Coefficients

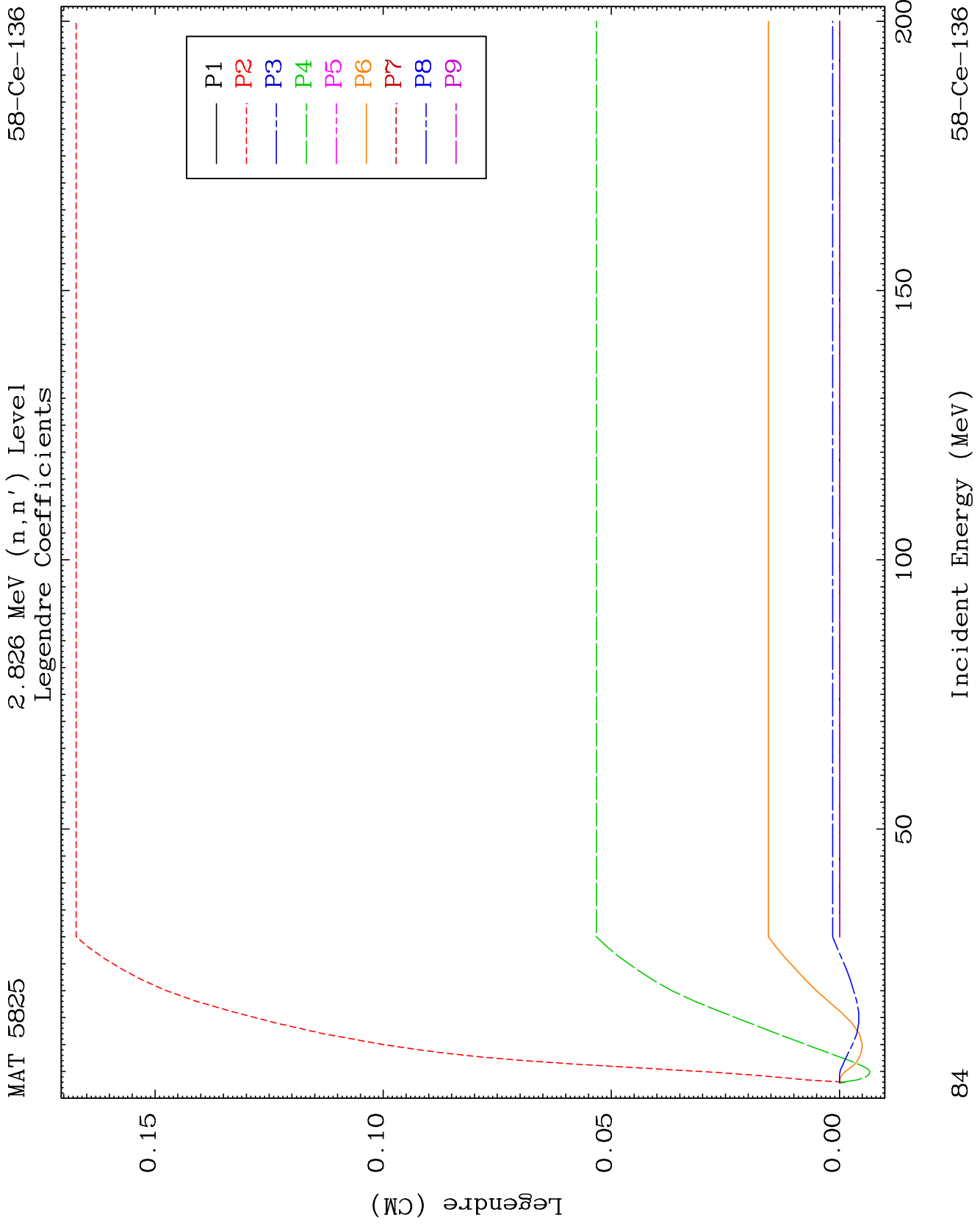
58-Ce-136

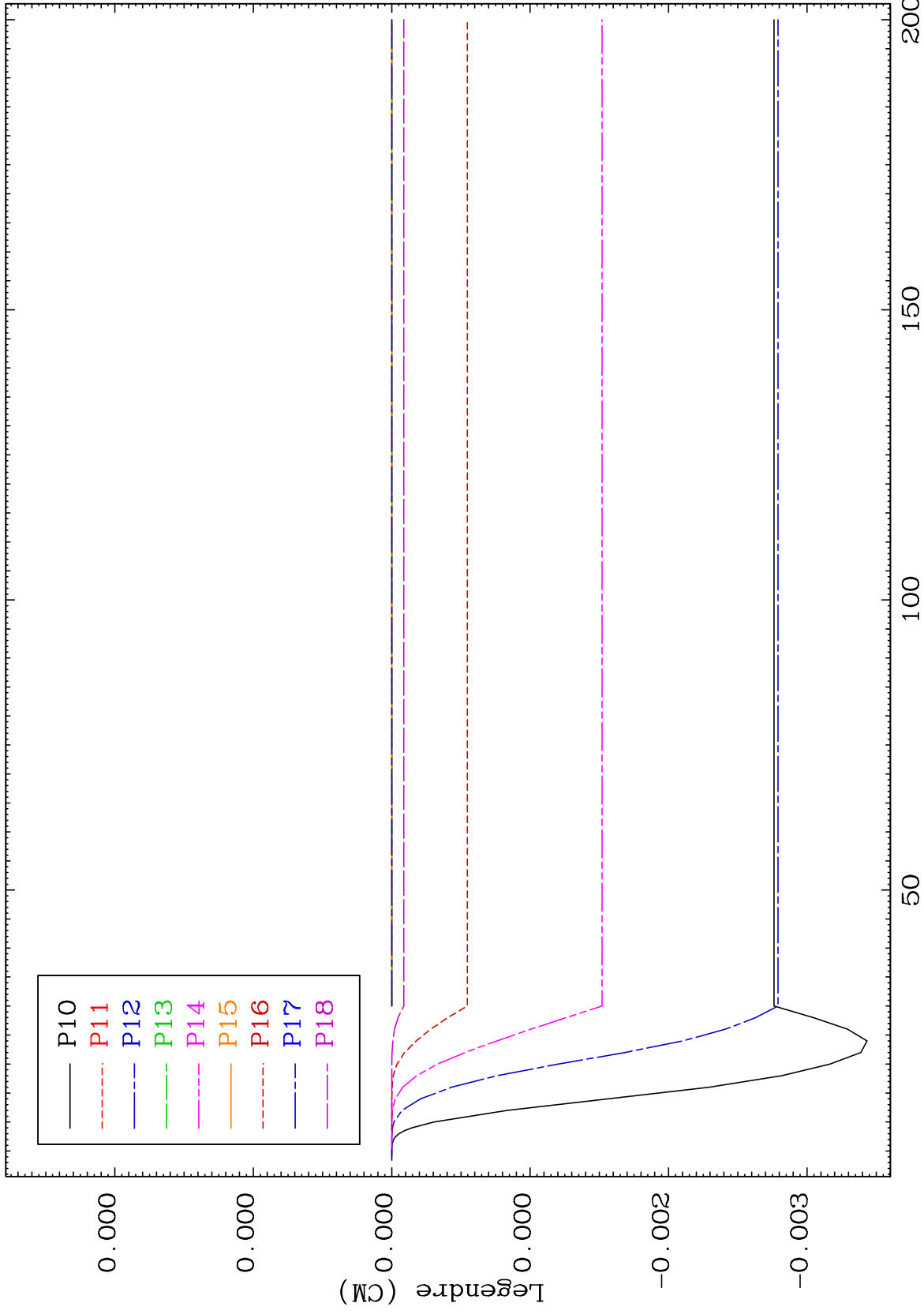


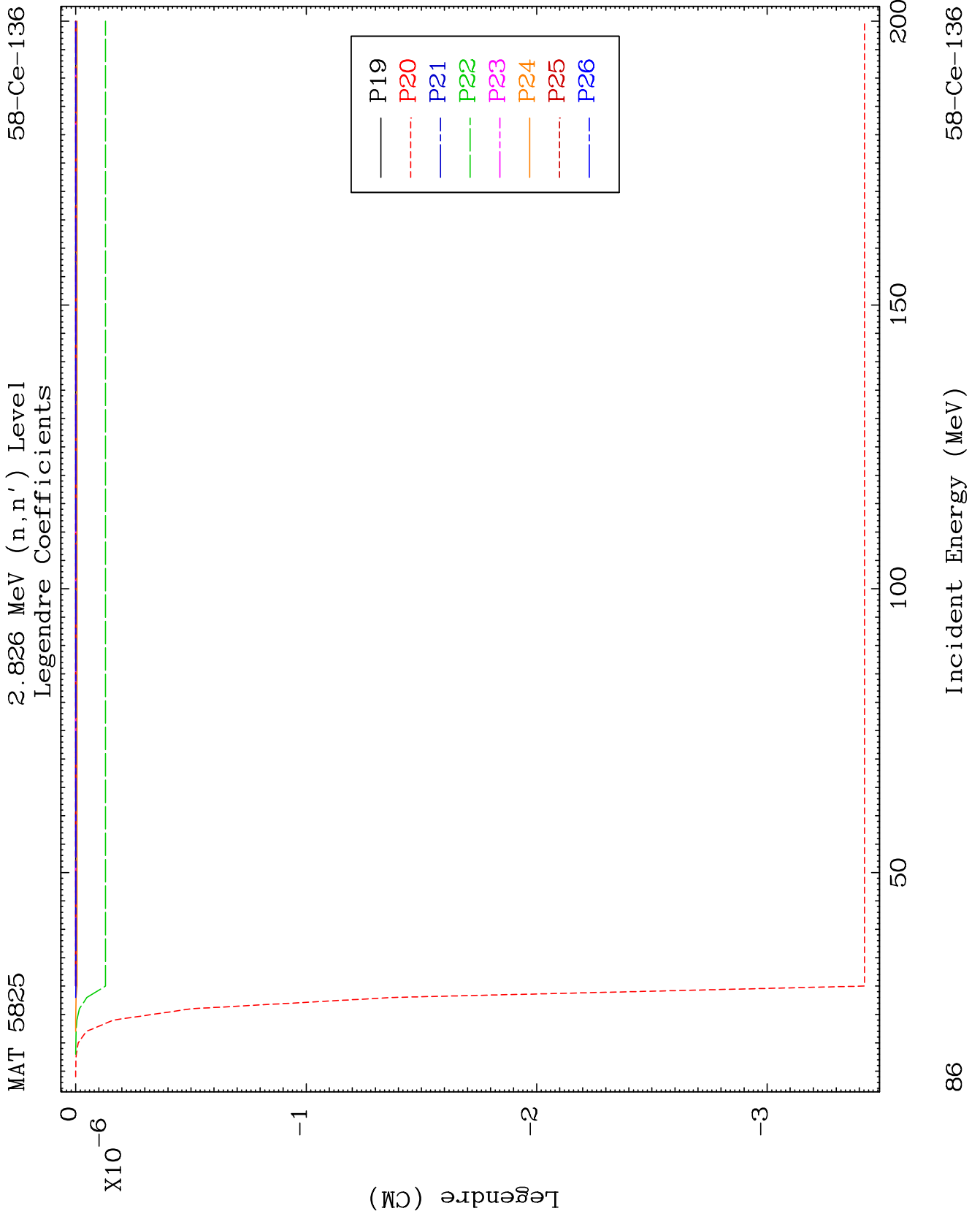


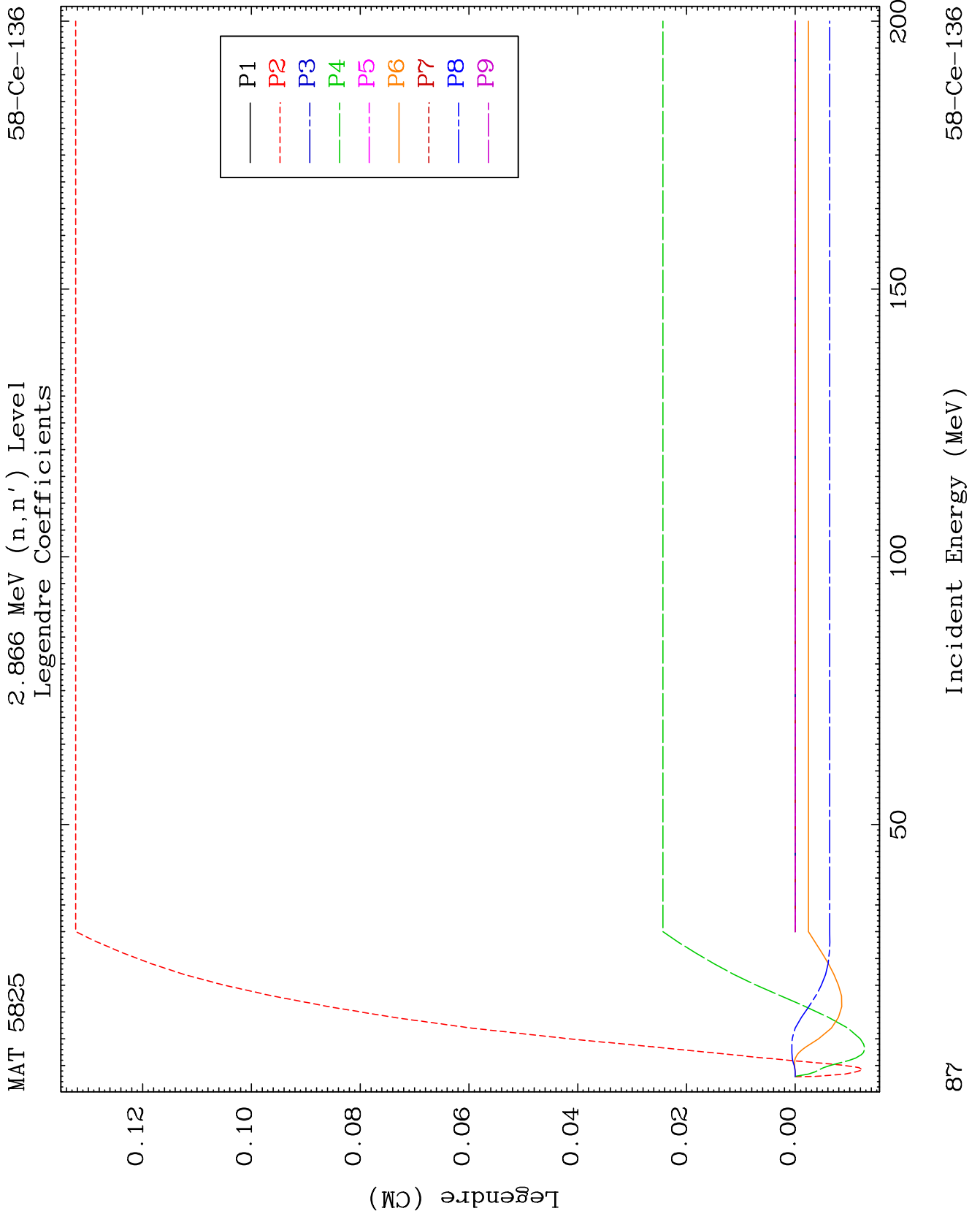




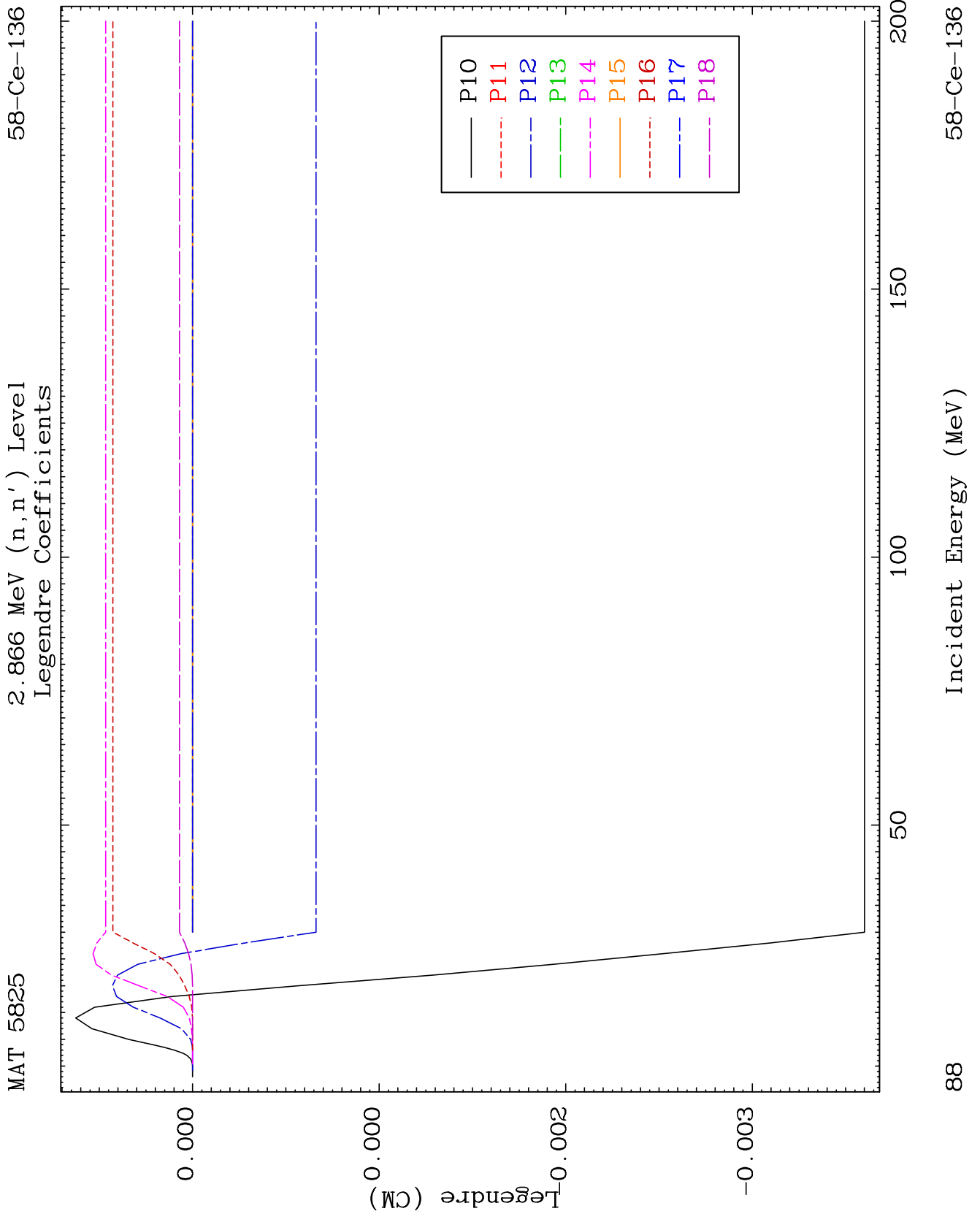


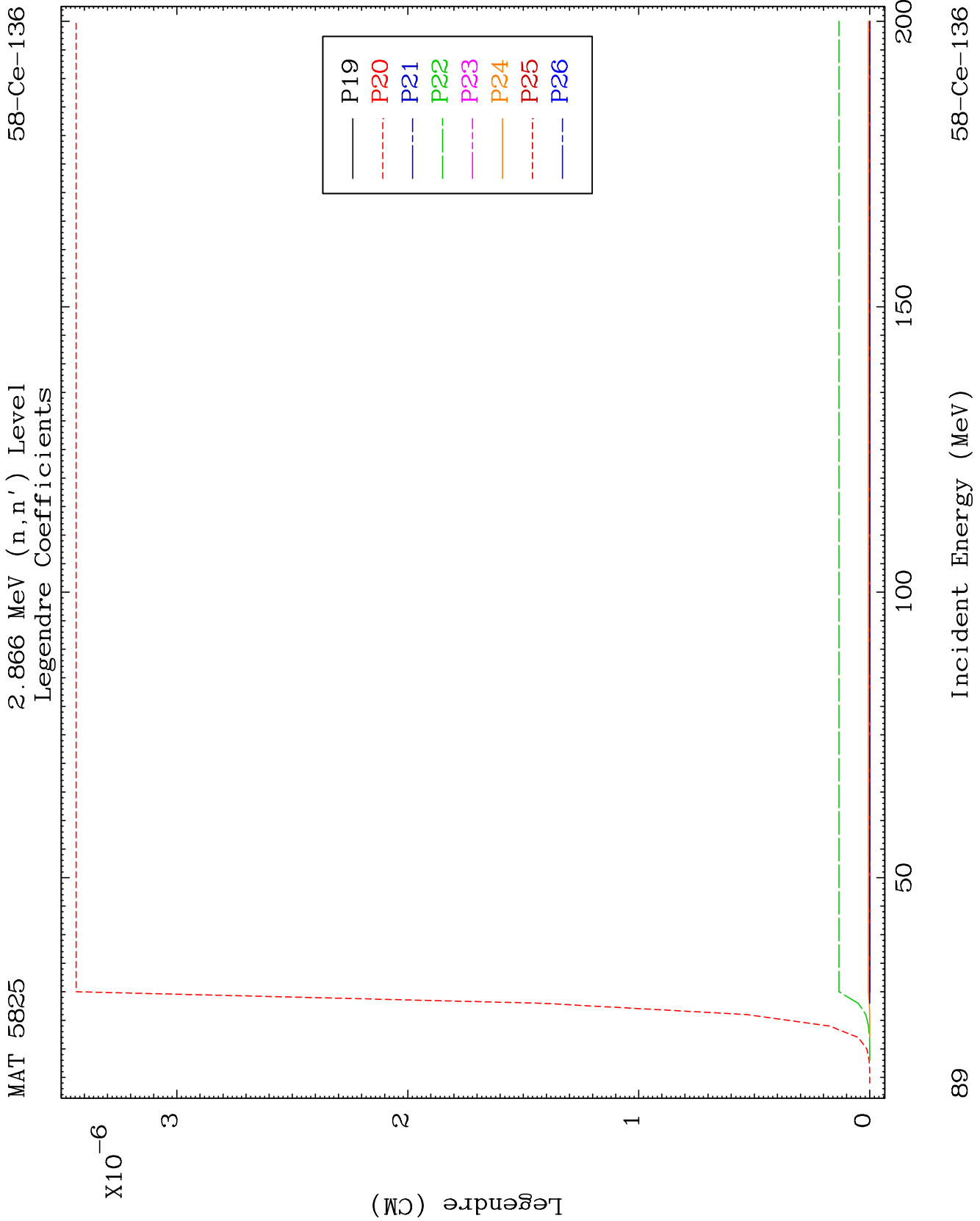


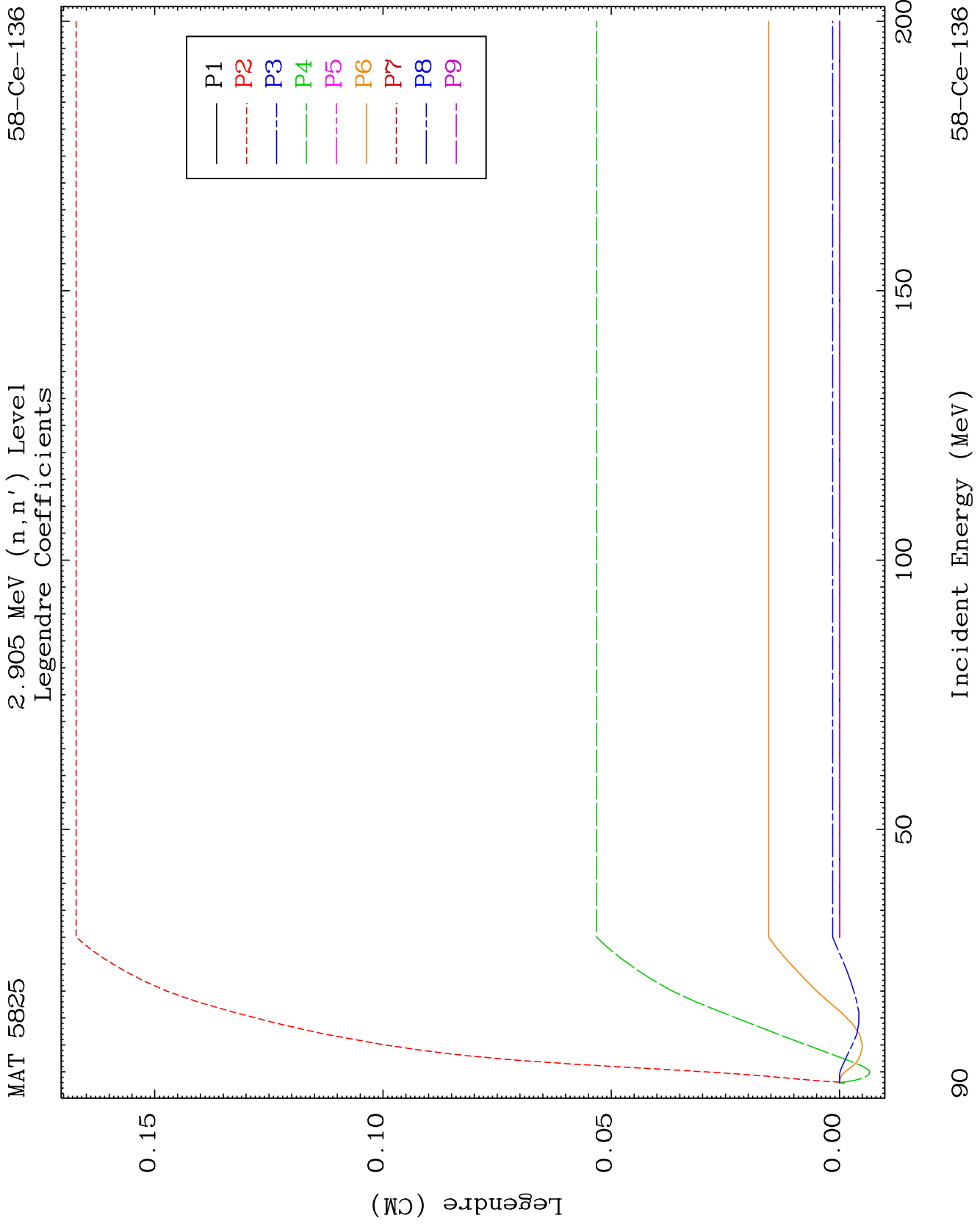


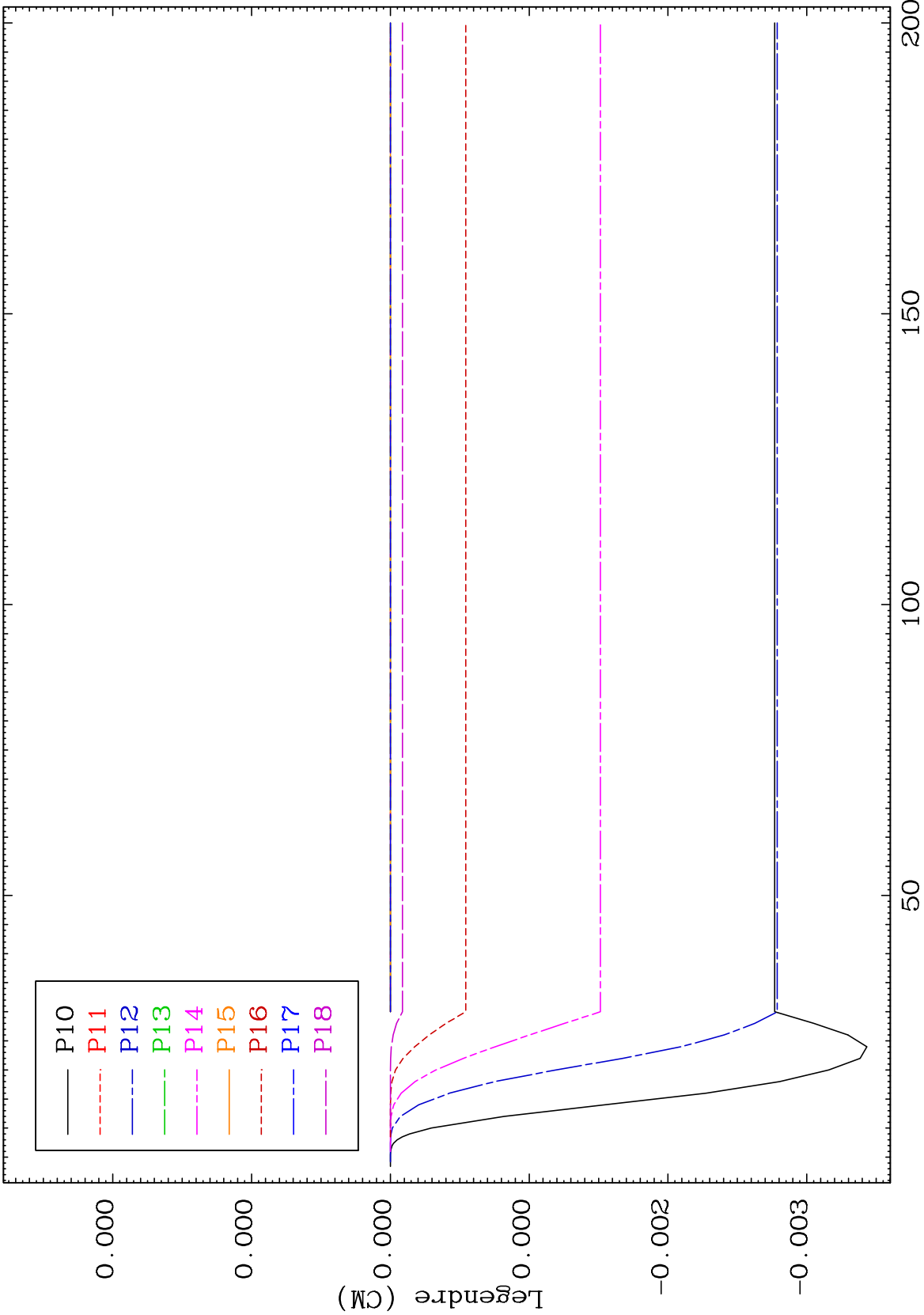


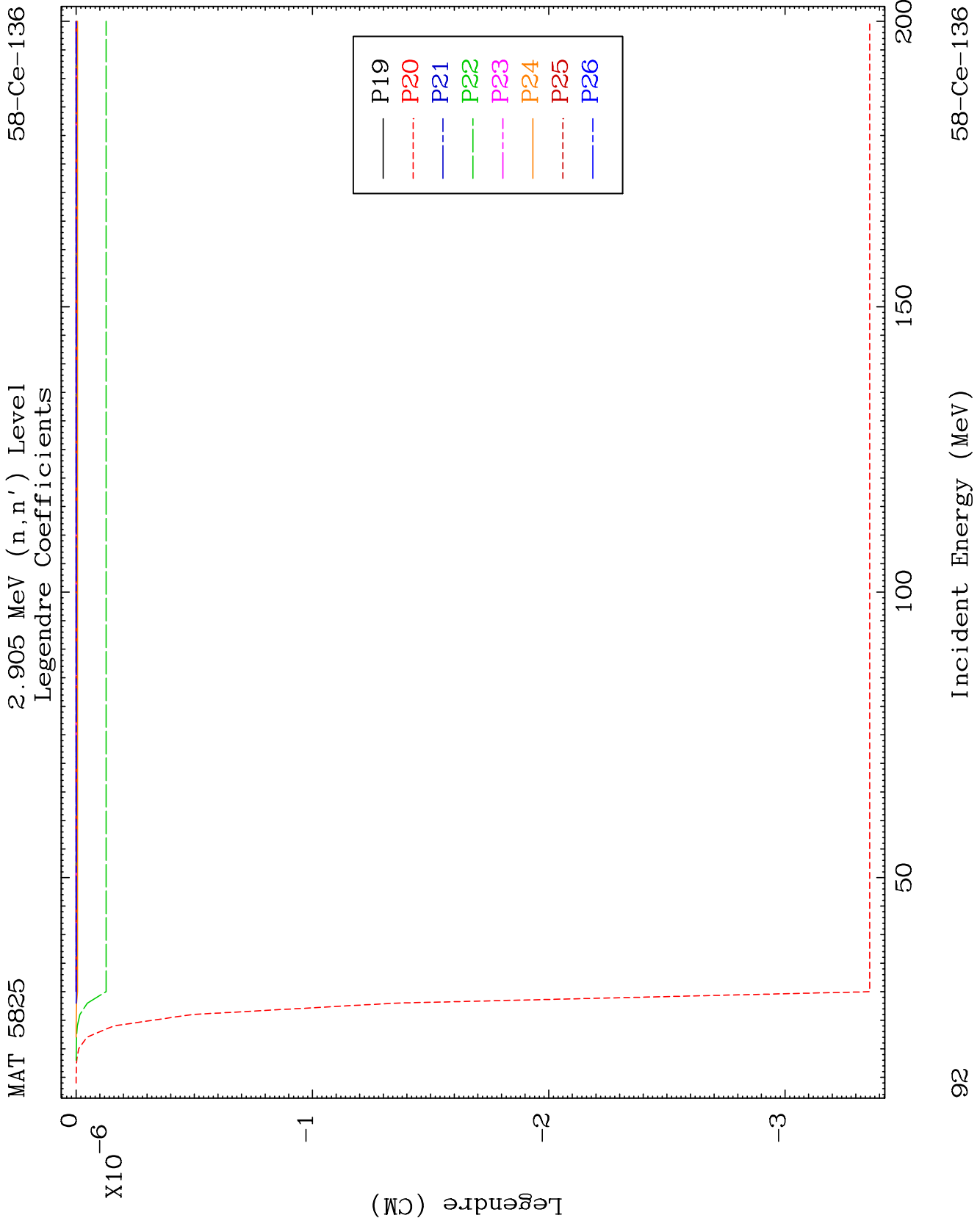


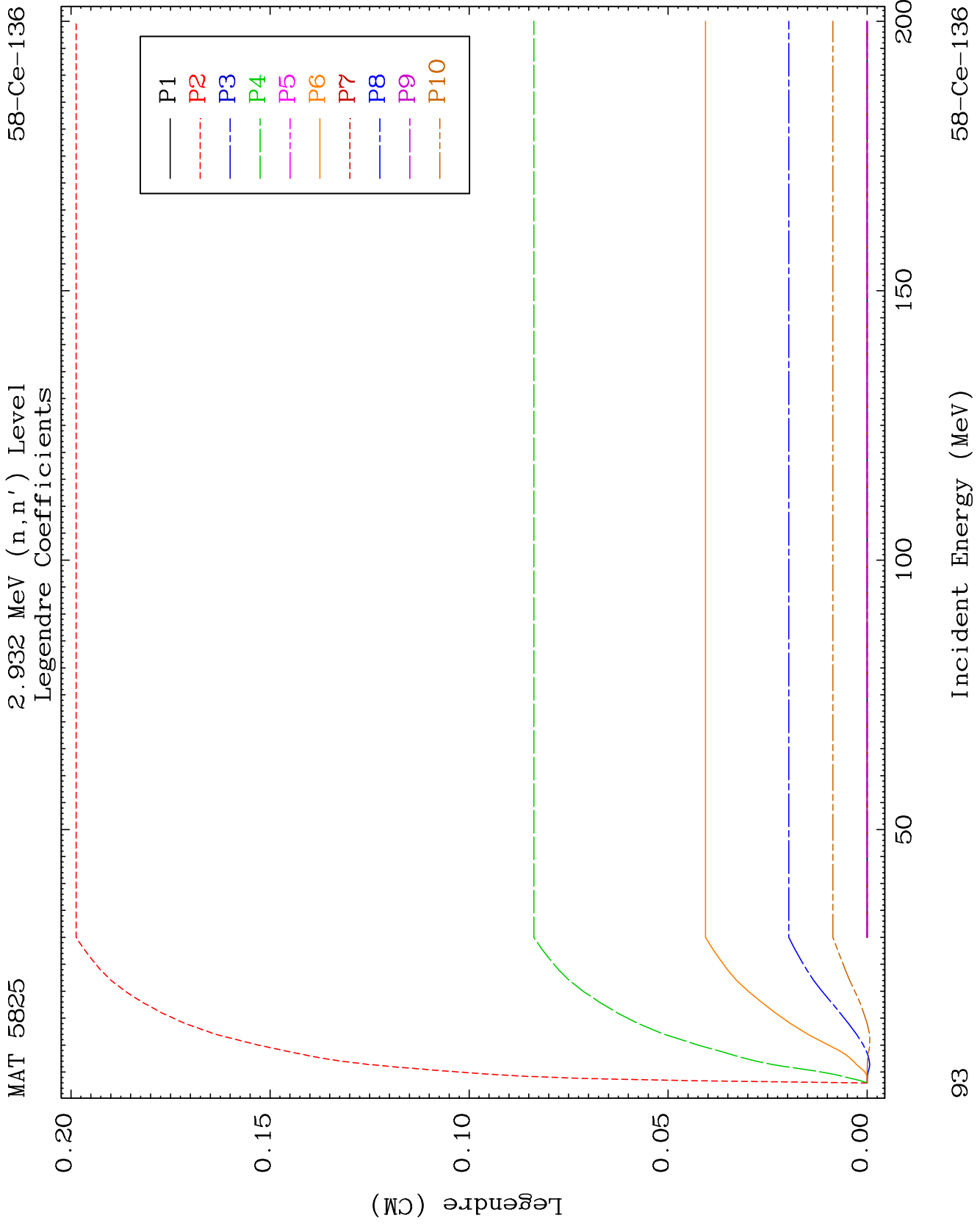








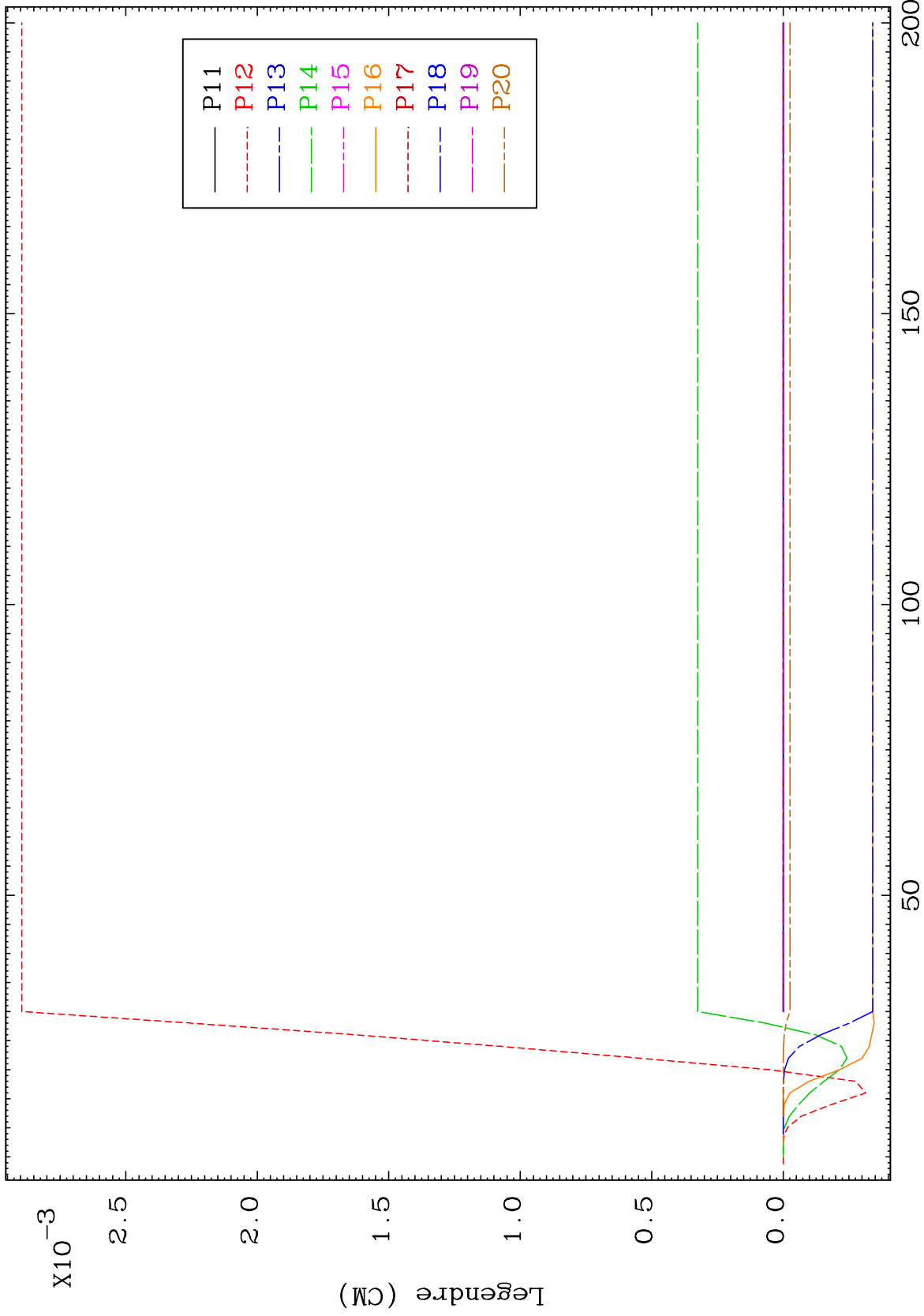




MAT 5825

2.932 MeV (n,n') Level  
Legendre Coefficients

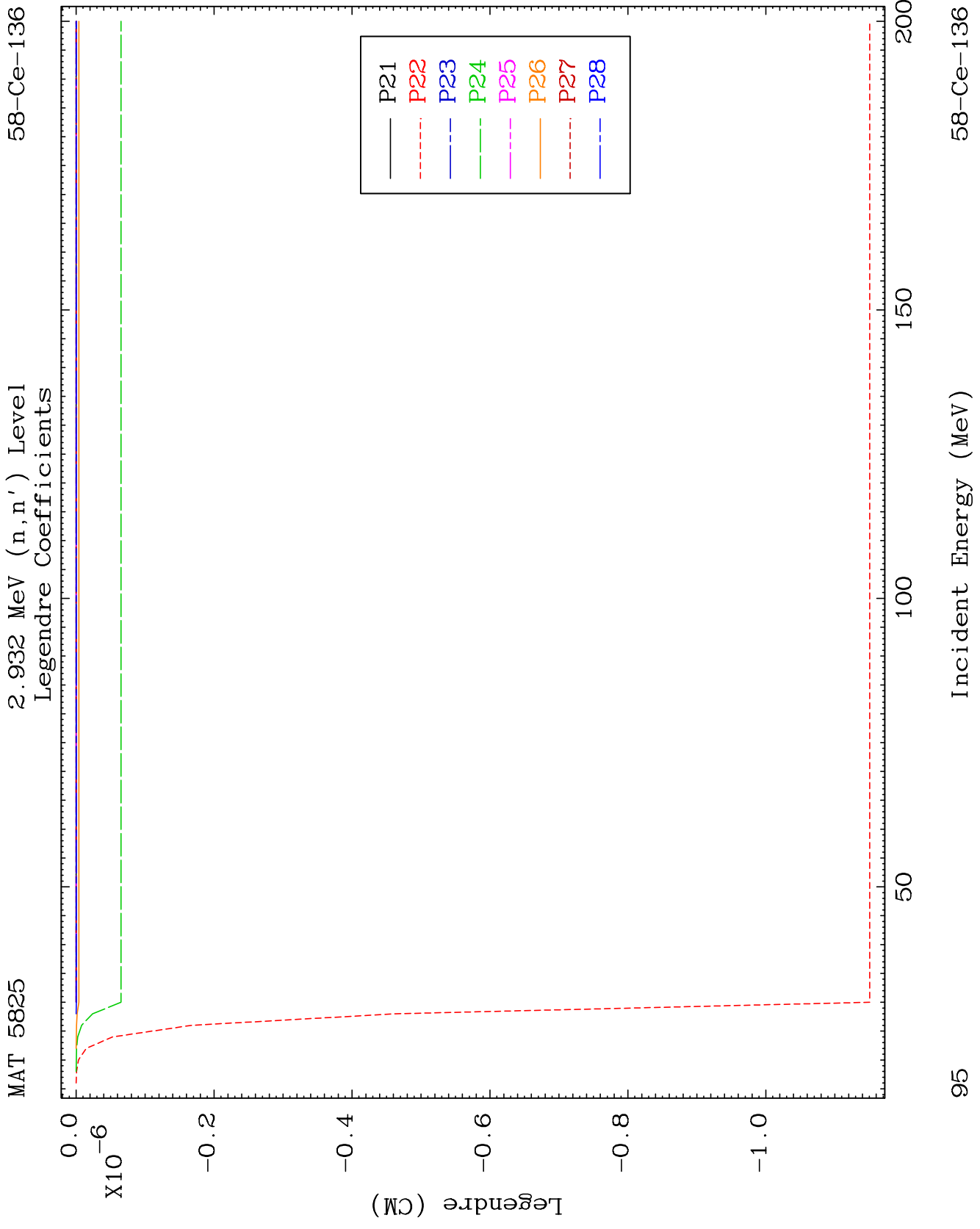
58-Ce-136



94

Incident Energy (MeV)

58-Ce-136

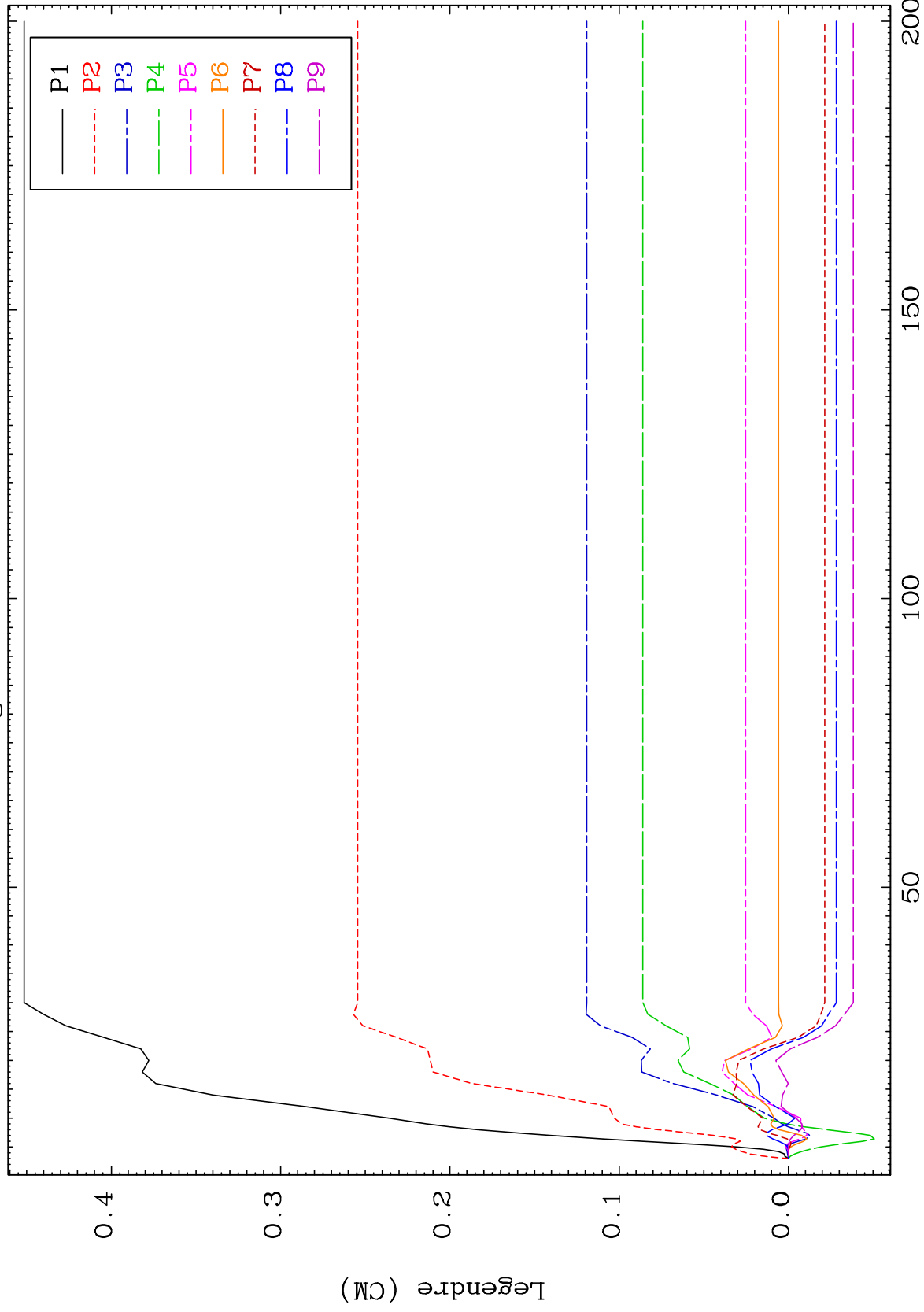




MAT 5825

2.942 MeV (n,n') Level  
Legendre Coefficients

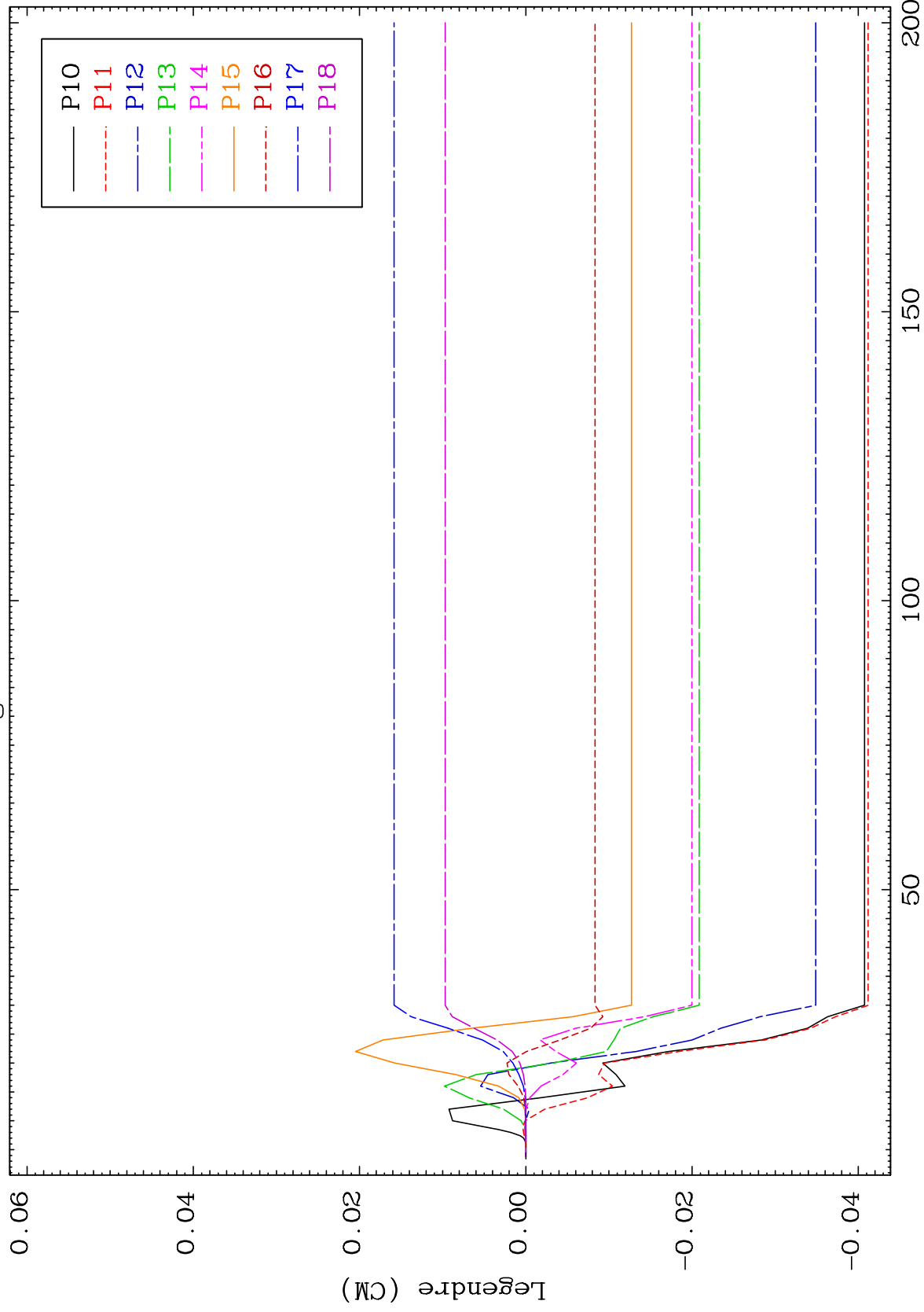
58-Ce-136

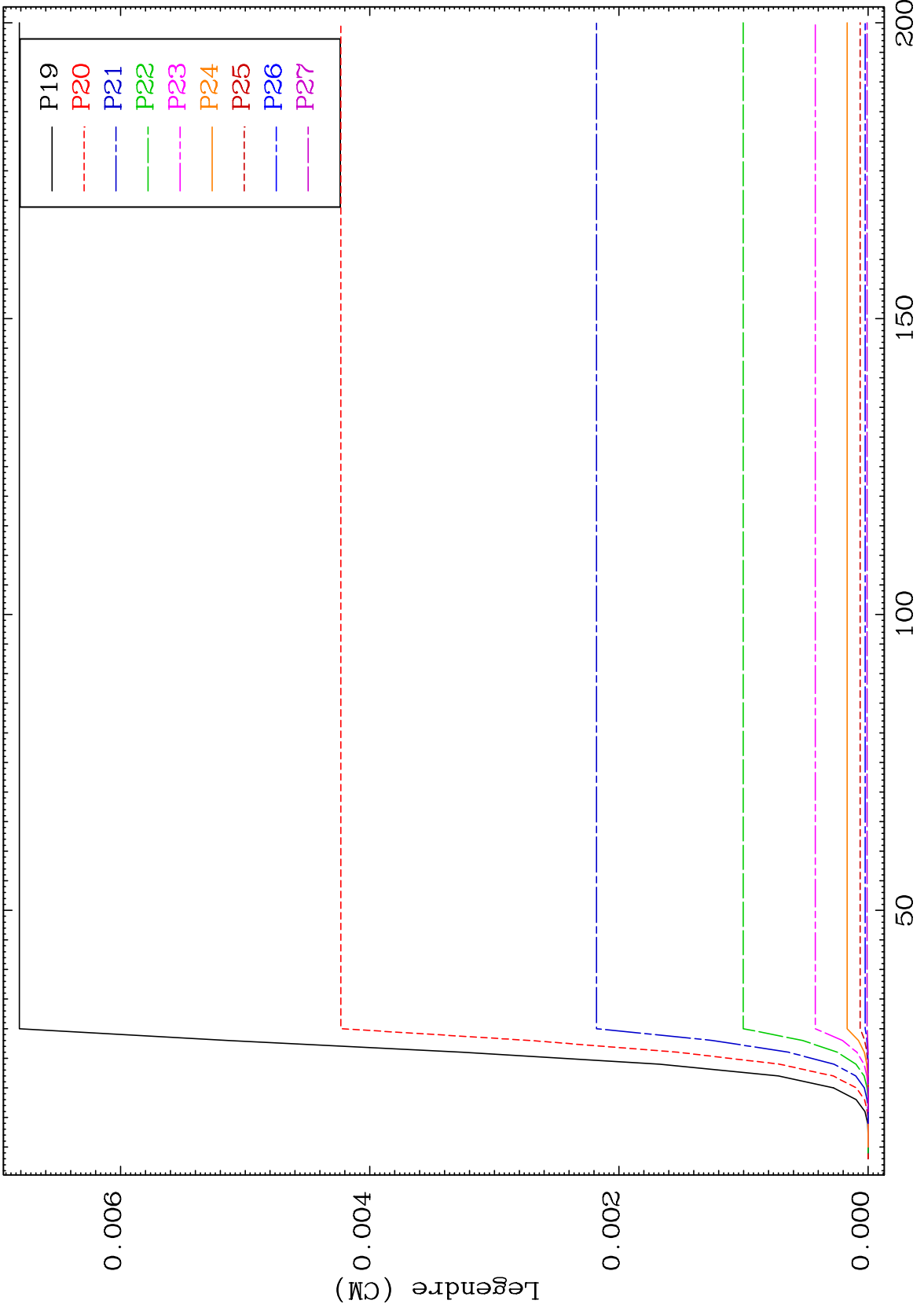


96

Incident Energy (MeV)

58-Ce-136

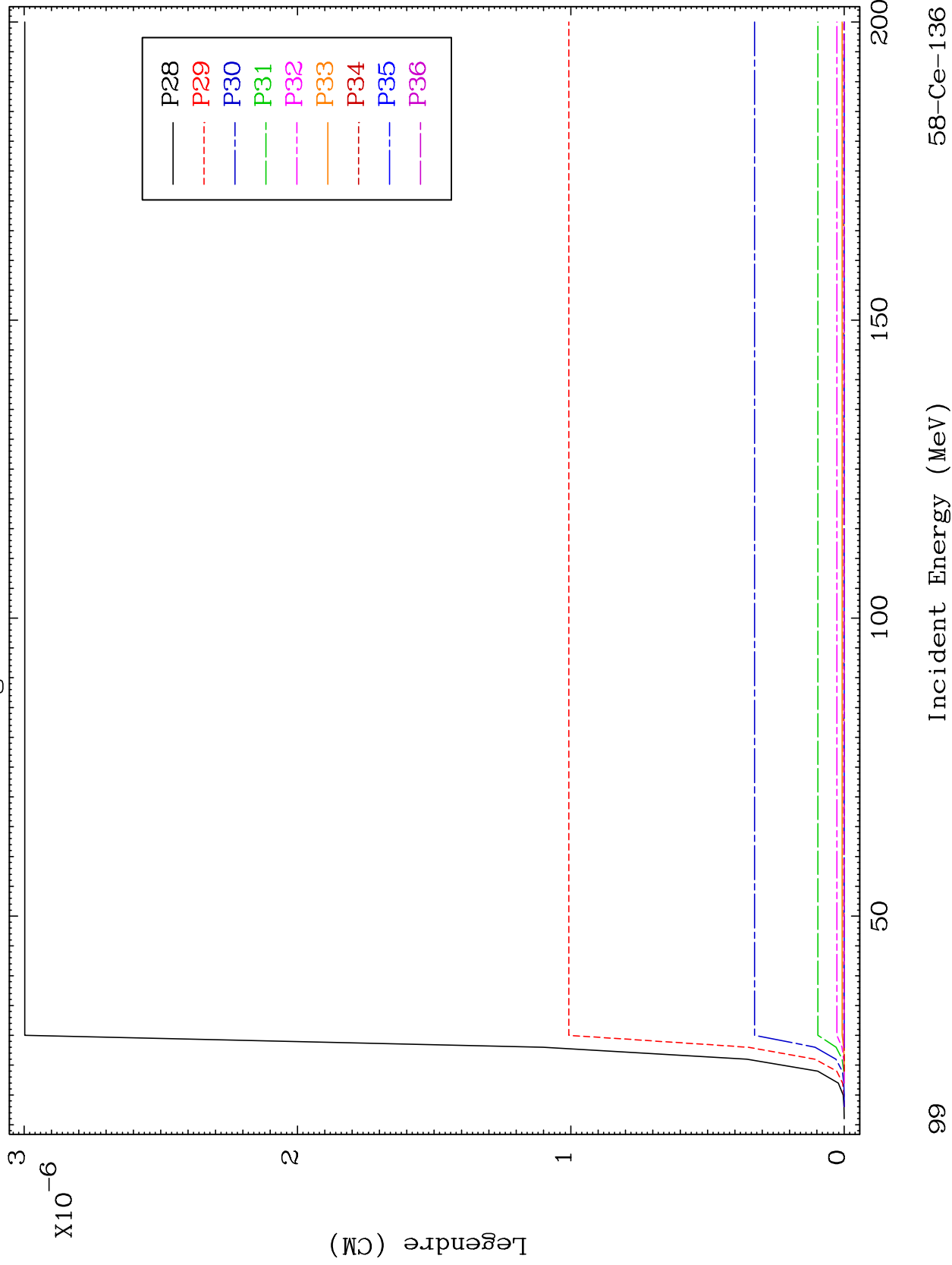


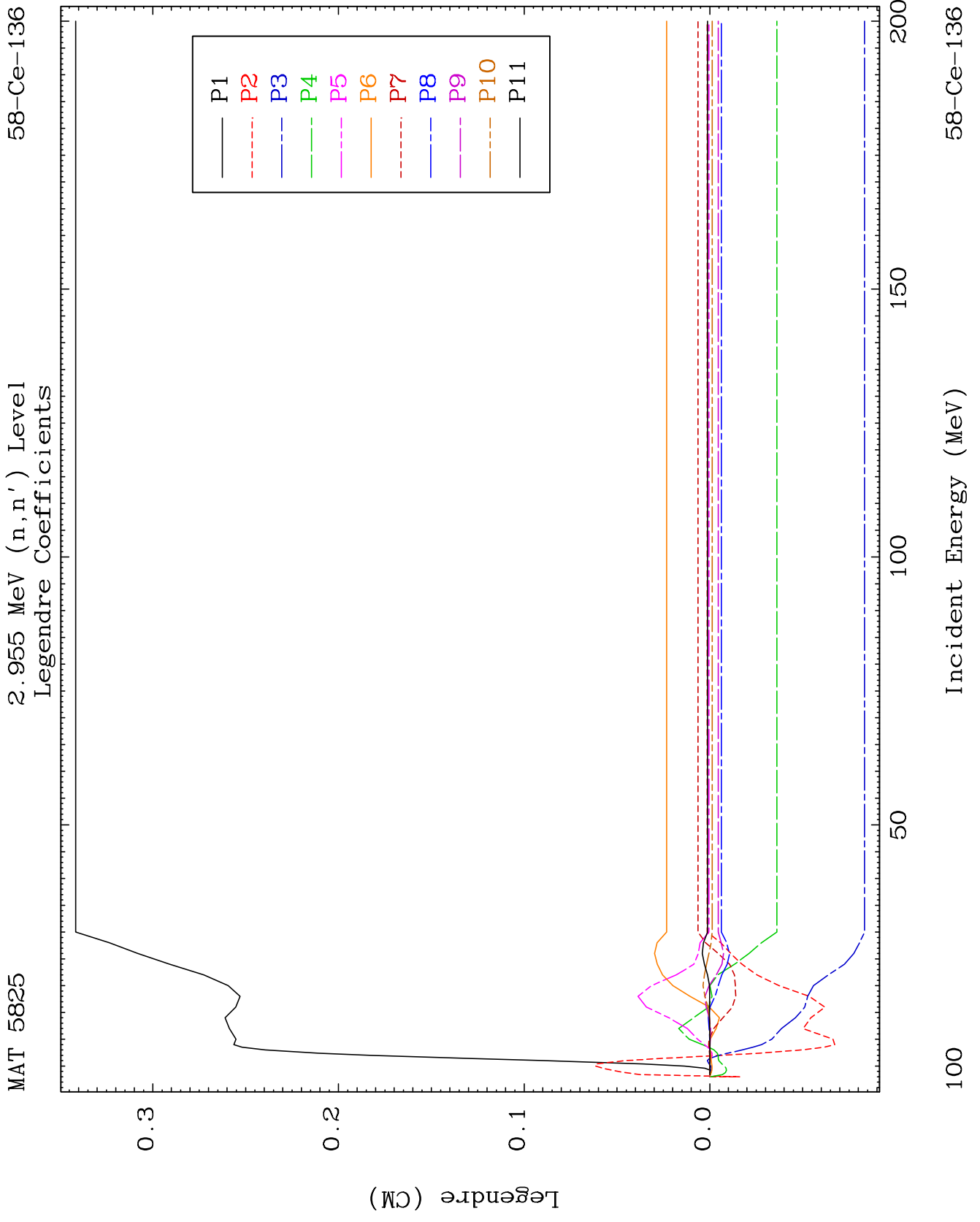


MAT 5825

2.942 MeV (n,n') Level  
Legendre Coefficients

58-Ce-136

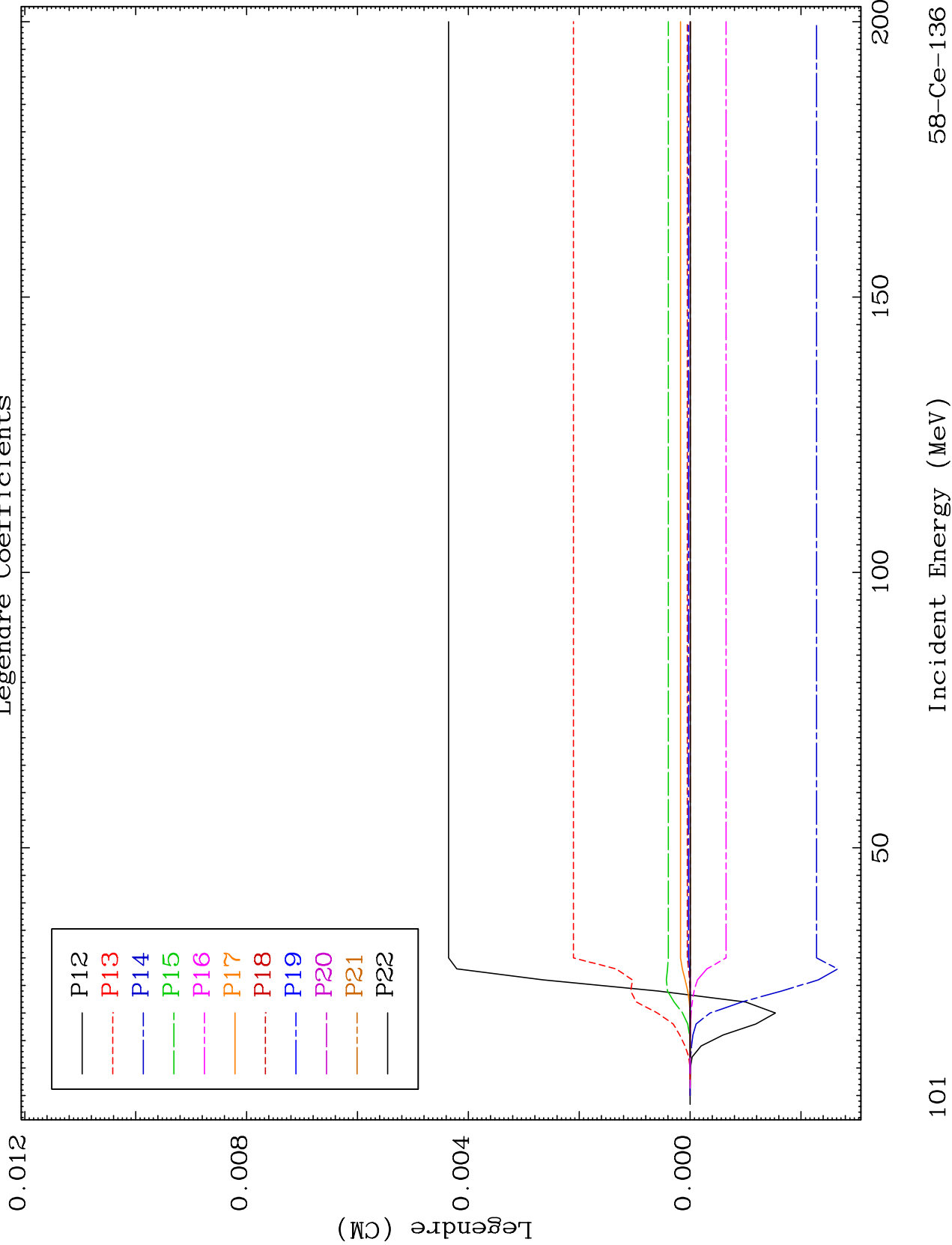




MAT 5825

2.955 MeV (n,n') Level  
Legendre Coefficients

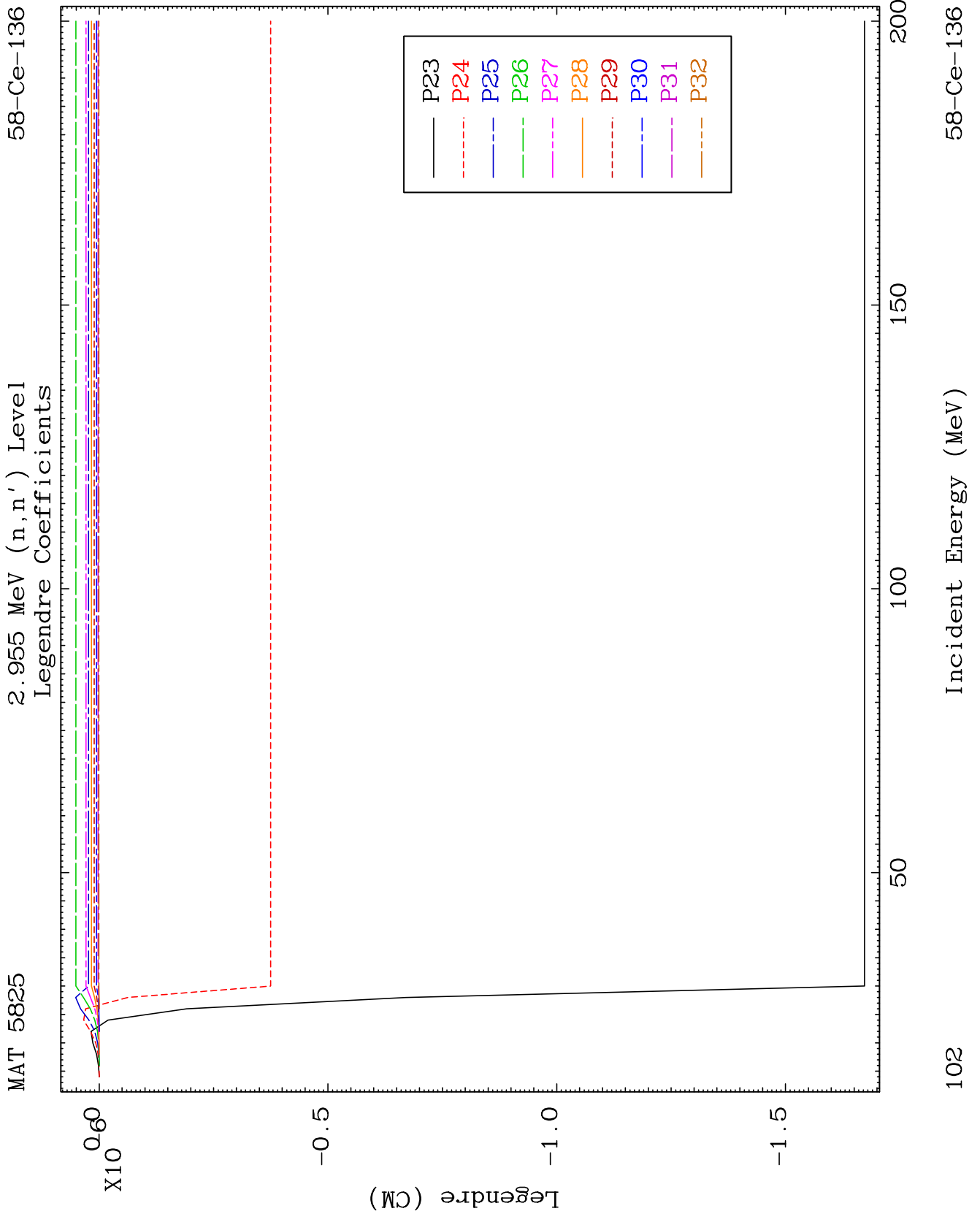
58-Ce-136

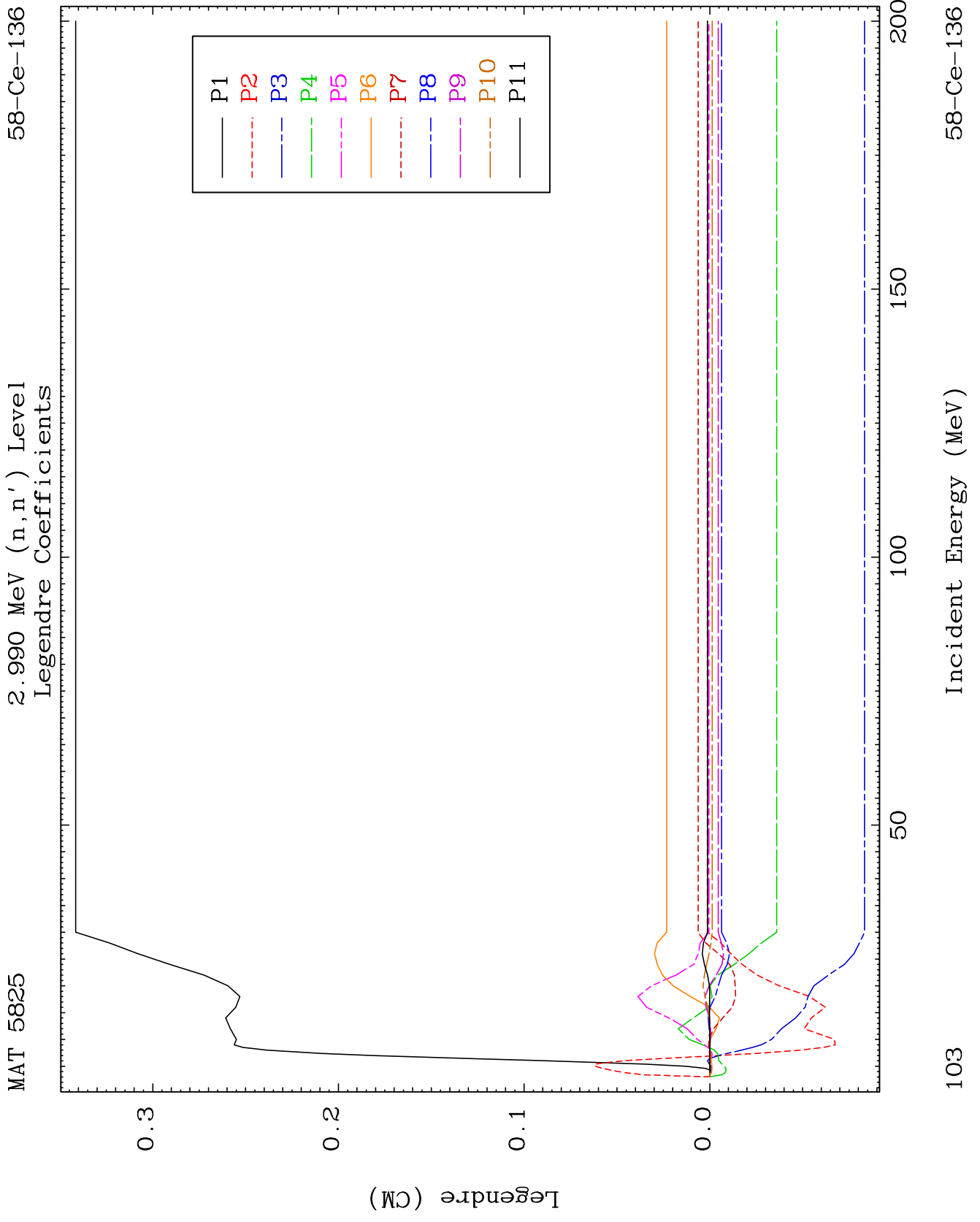


101

Incident Energy (MeV)

58-Ce-136



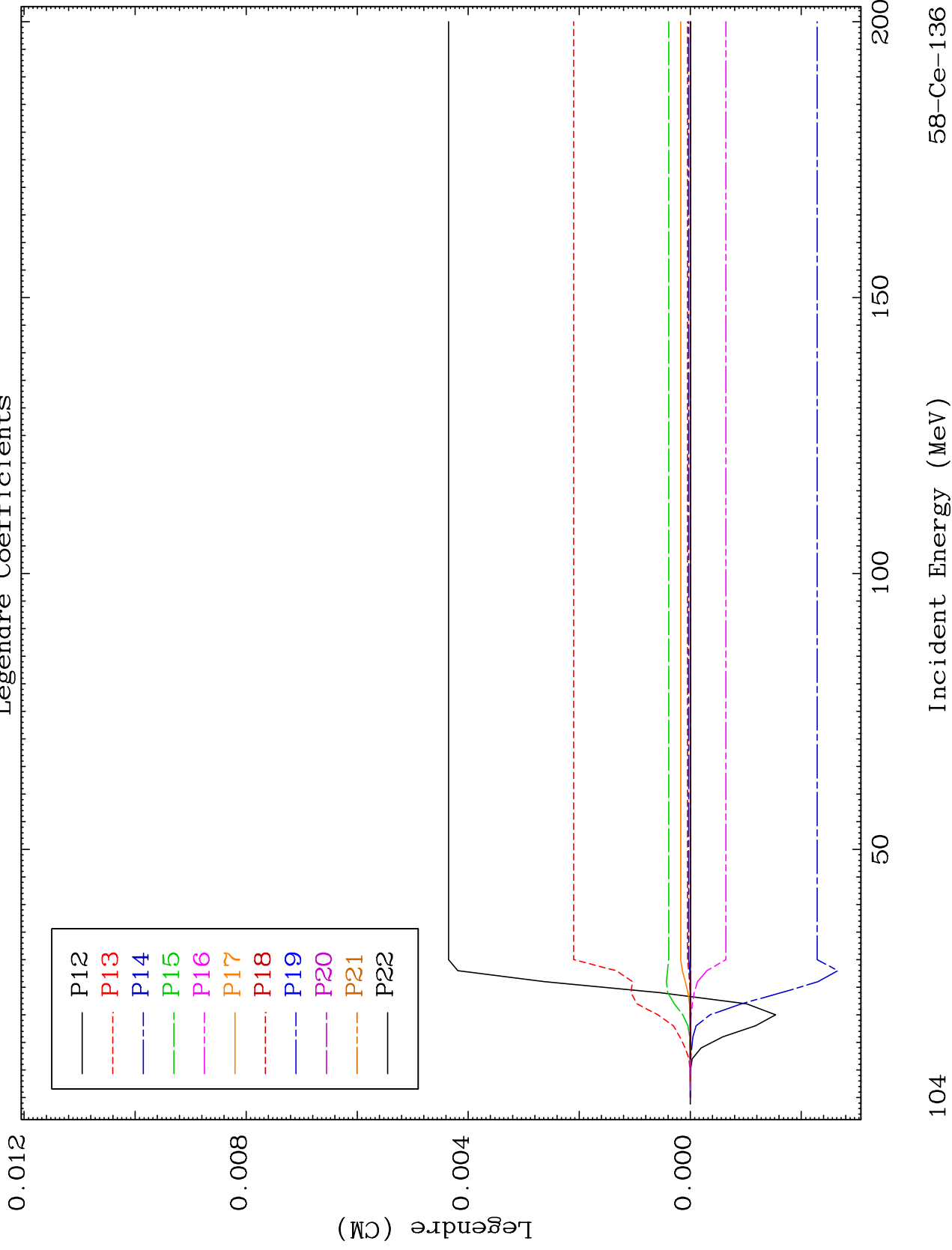




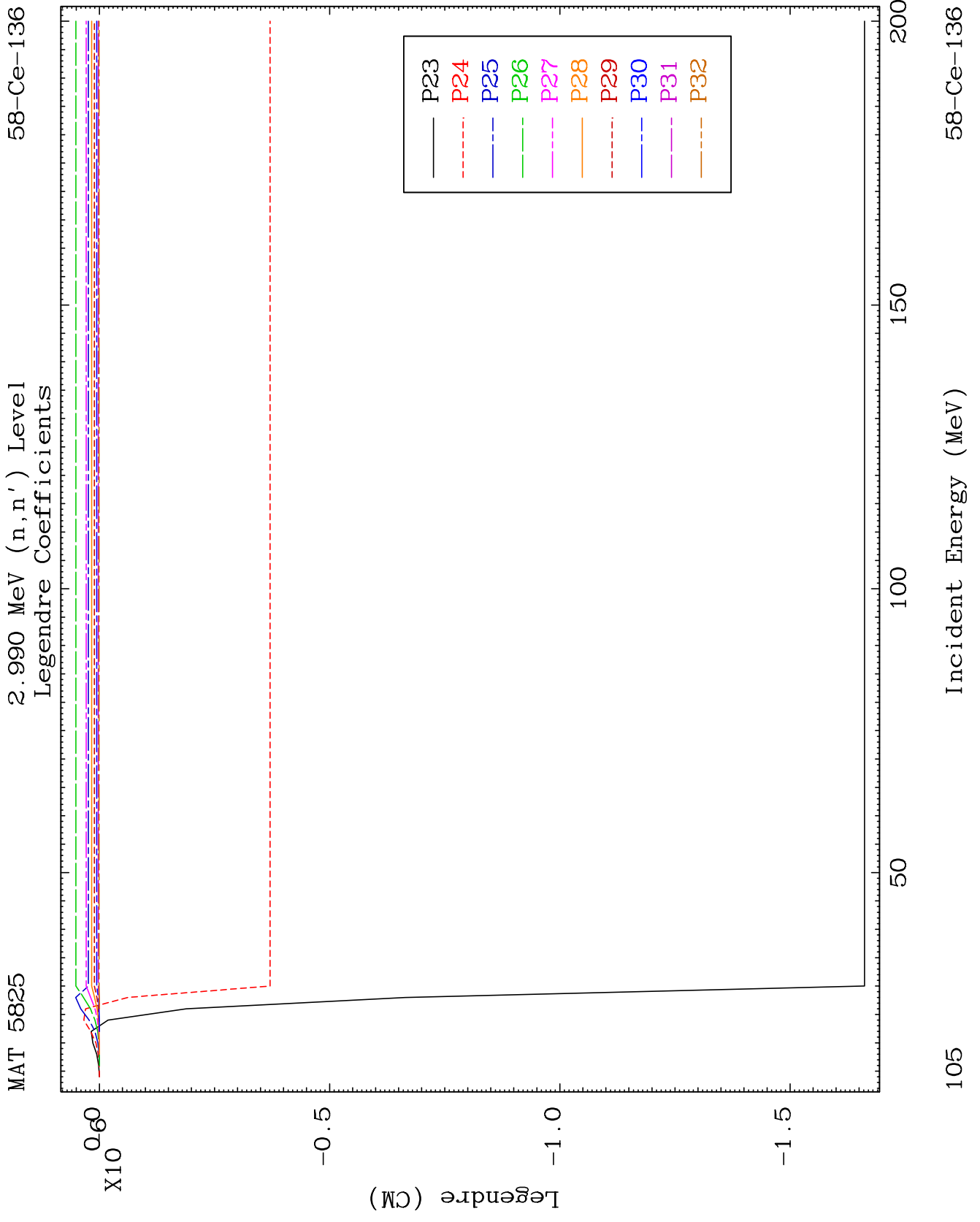
MAT 5825

2.990 MeV (n,n') Level  
Legendre Coefficients

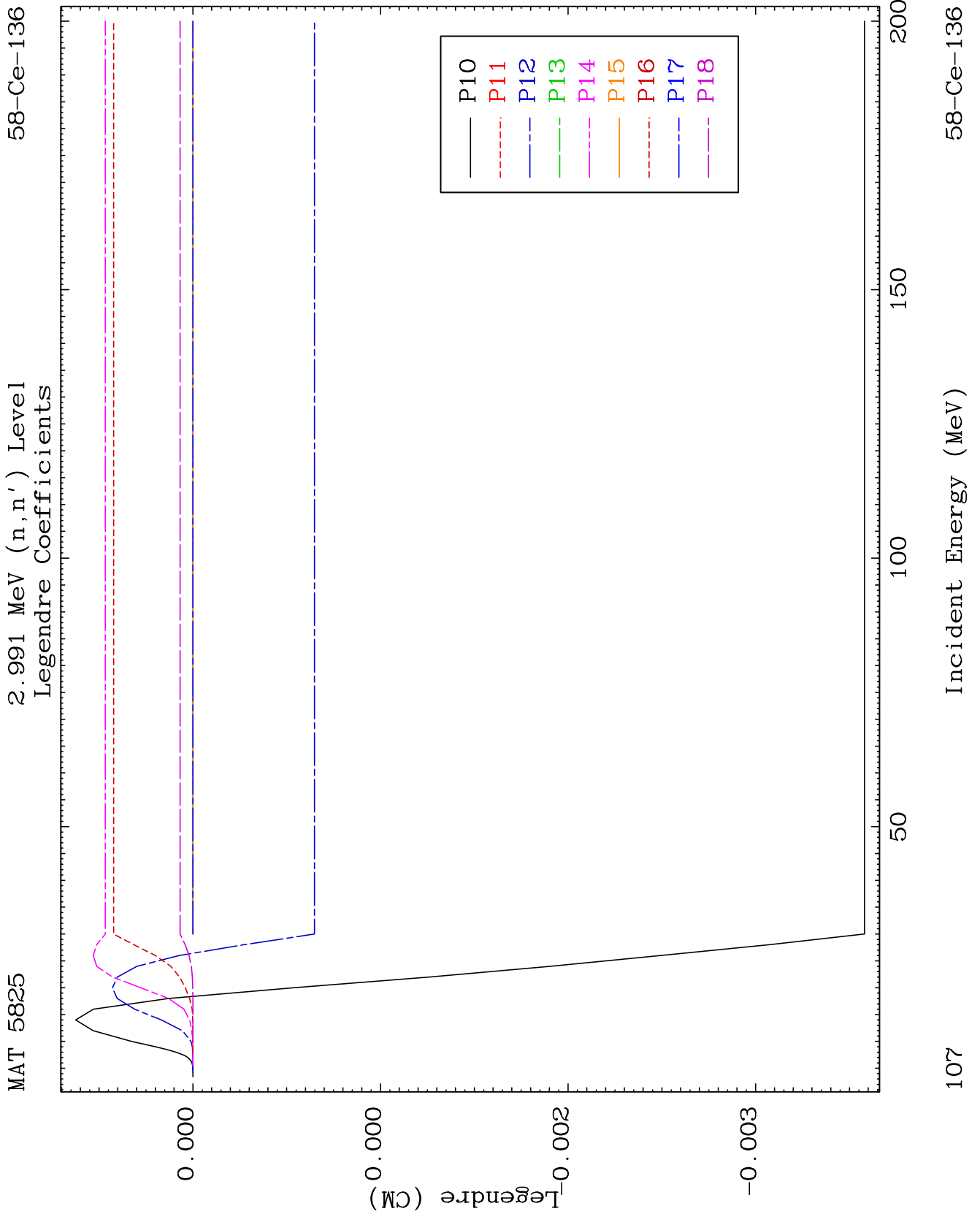
58-Ce-136

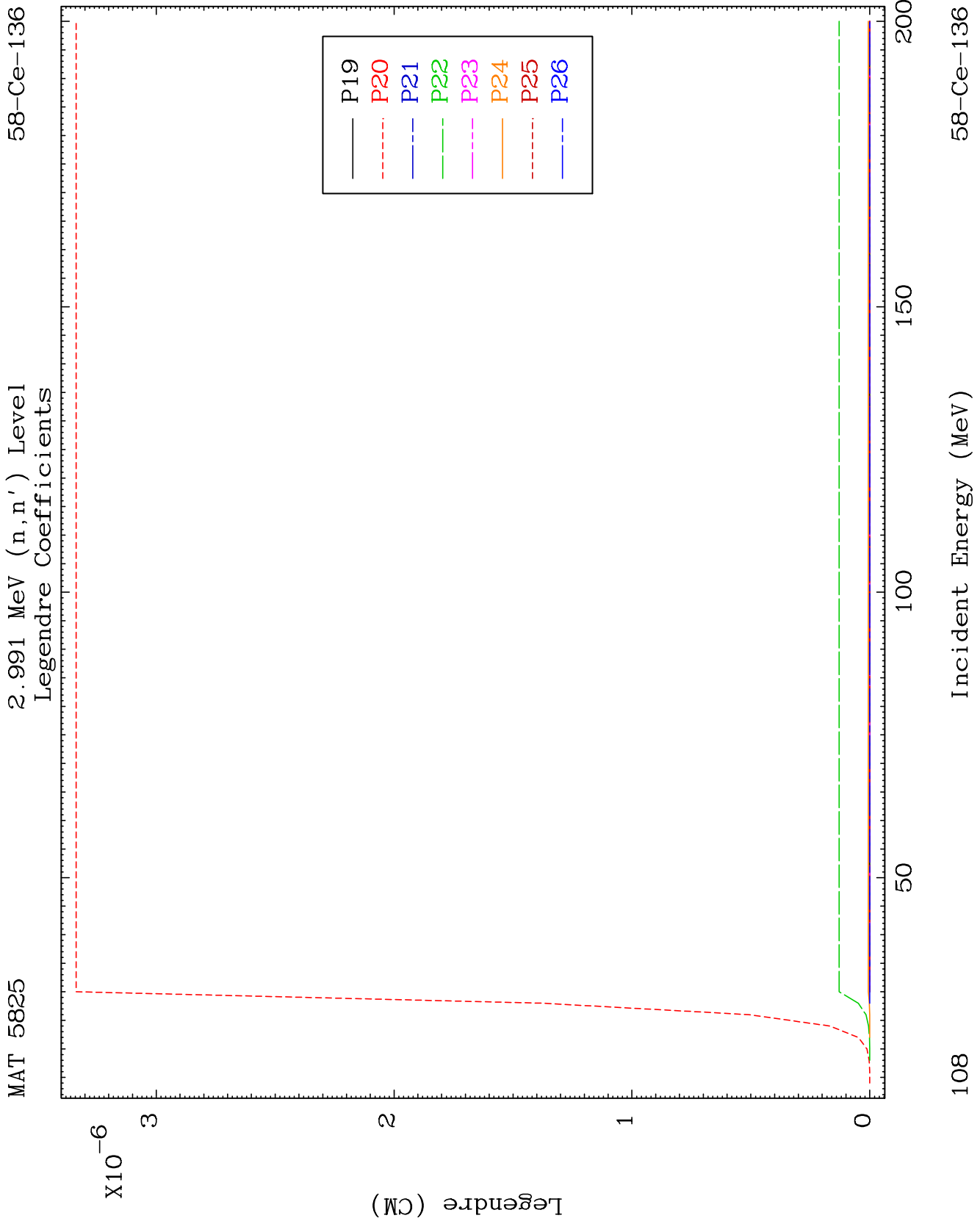


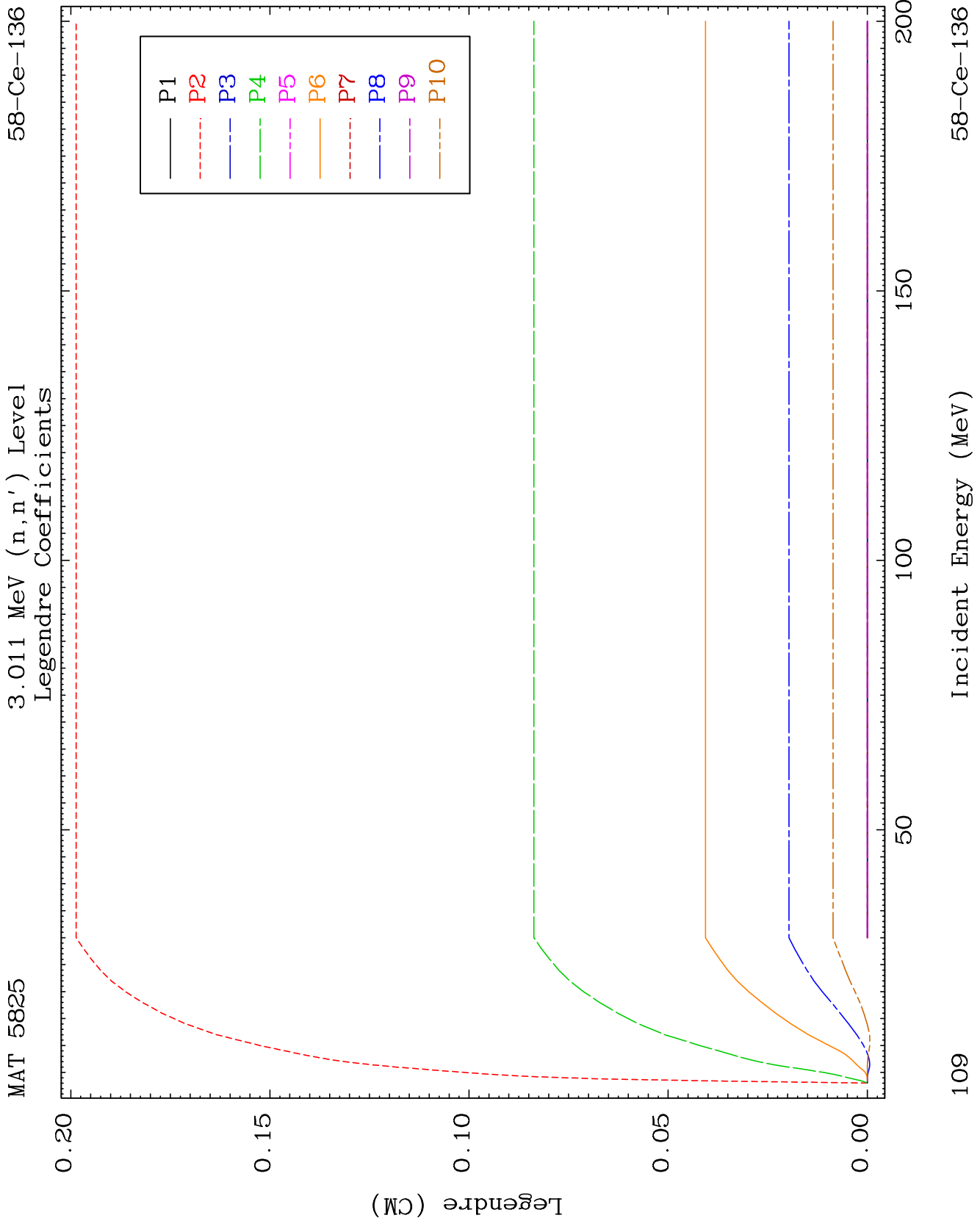
104

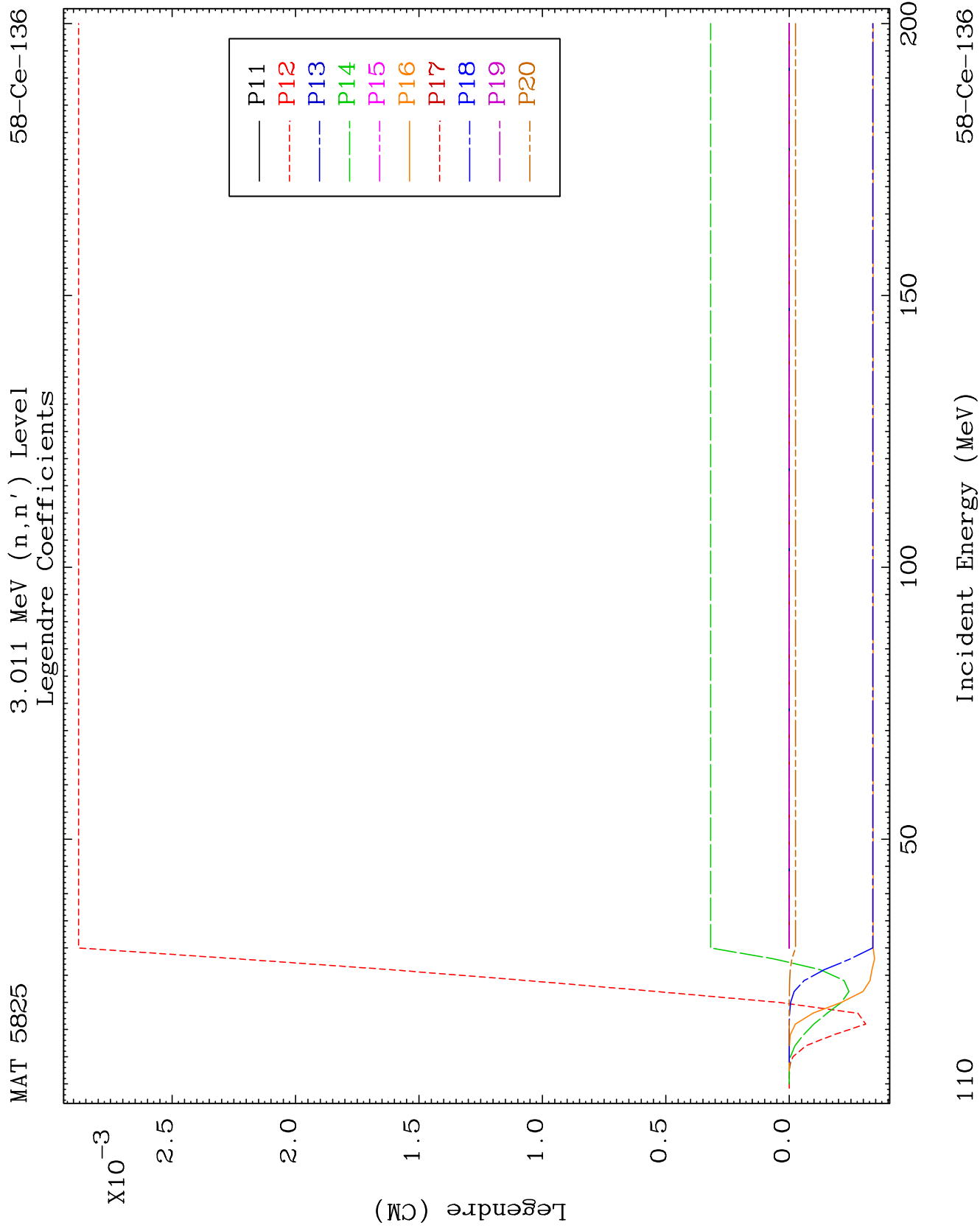


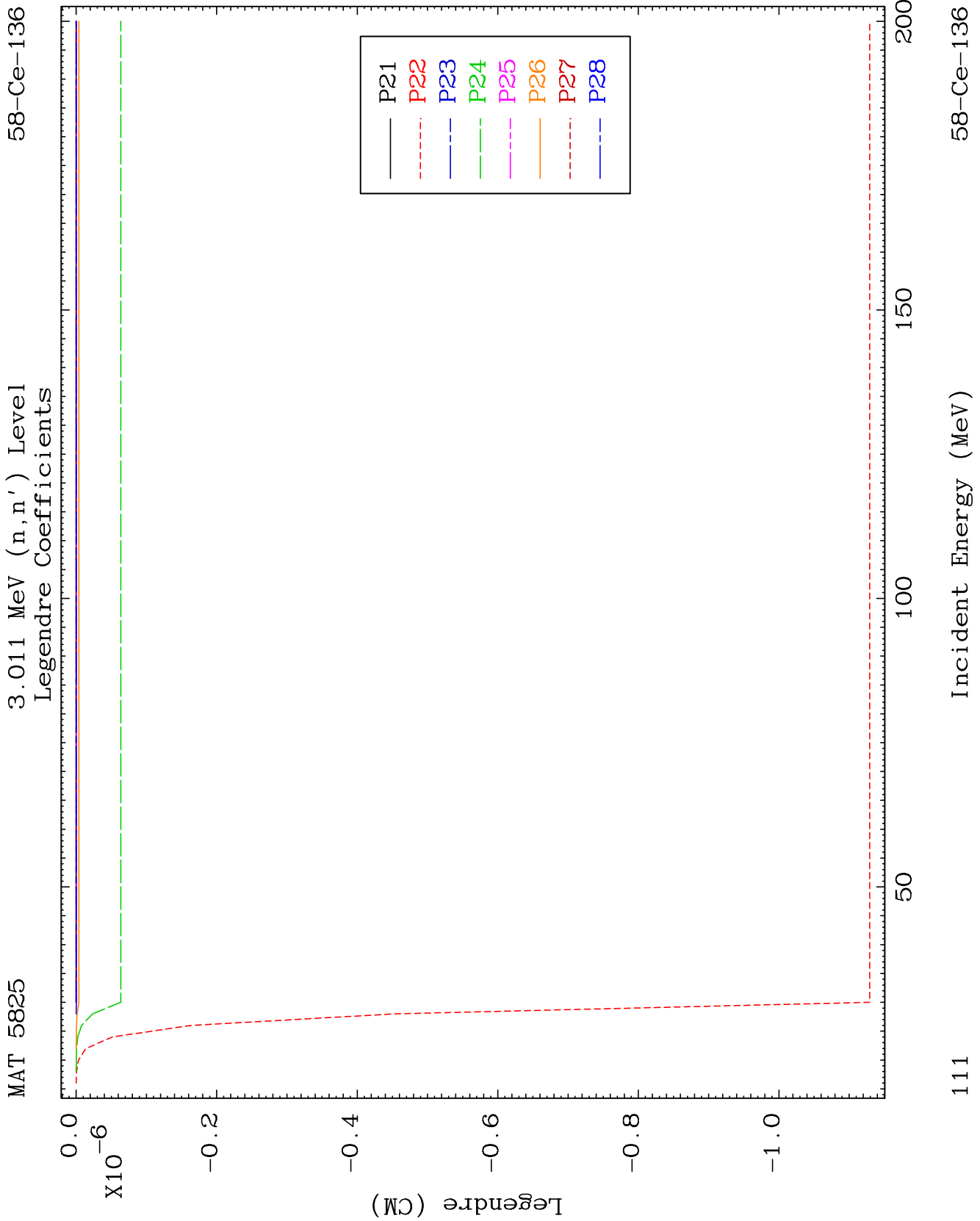










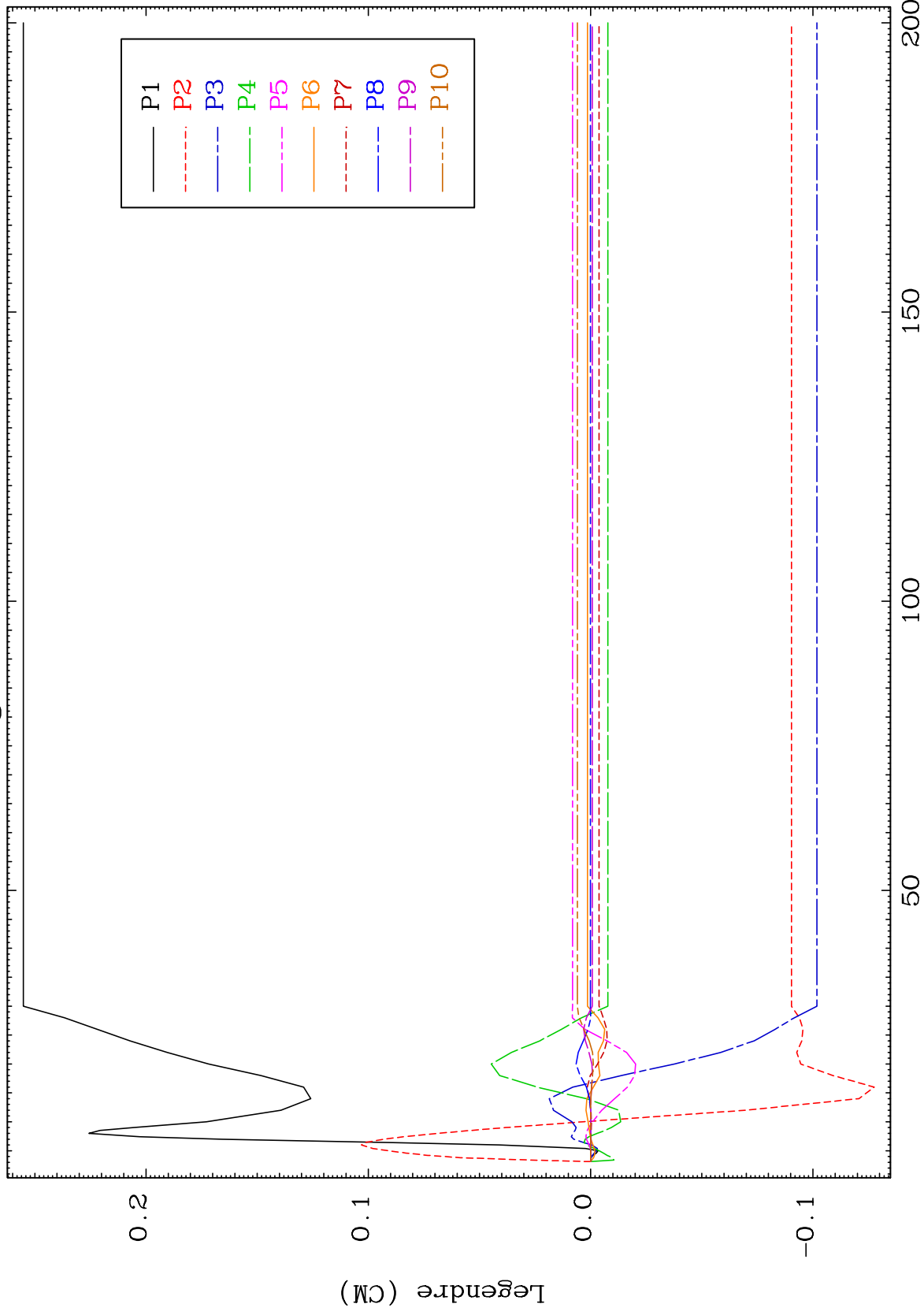




MAT 5825

3.095 MeV (n,n') Level  
Legendre Coefficients

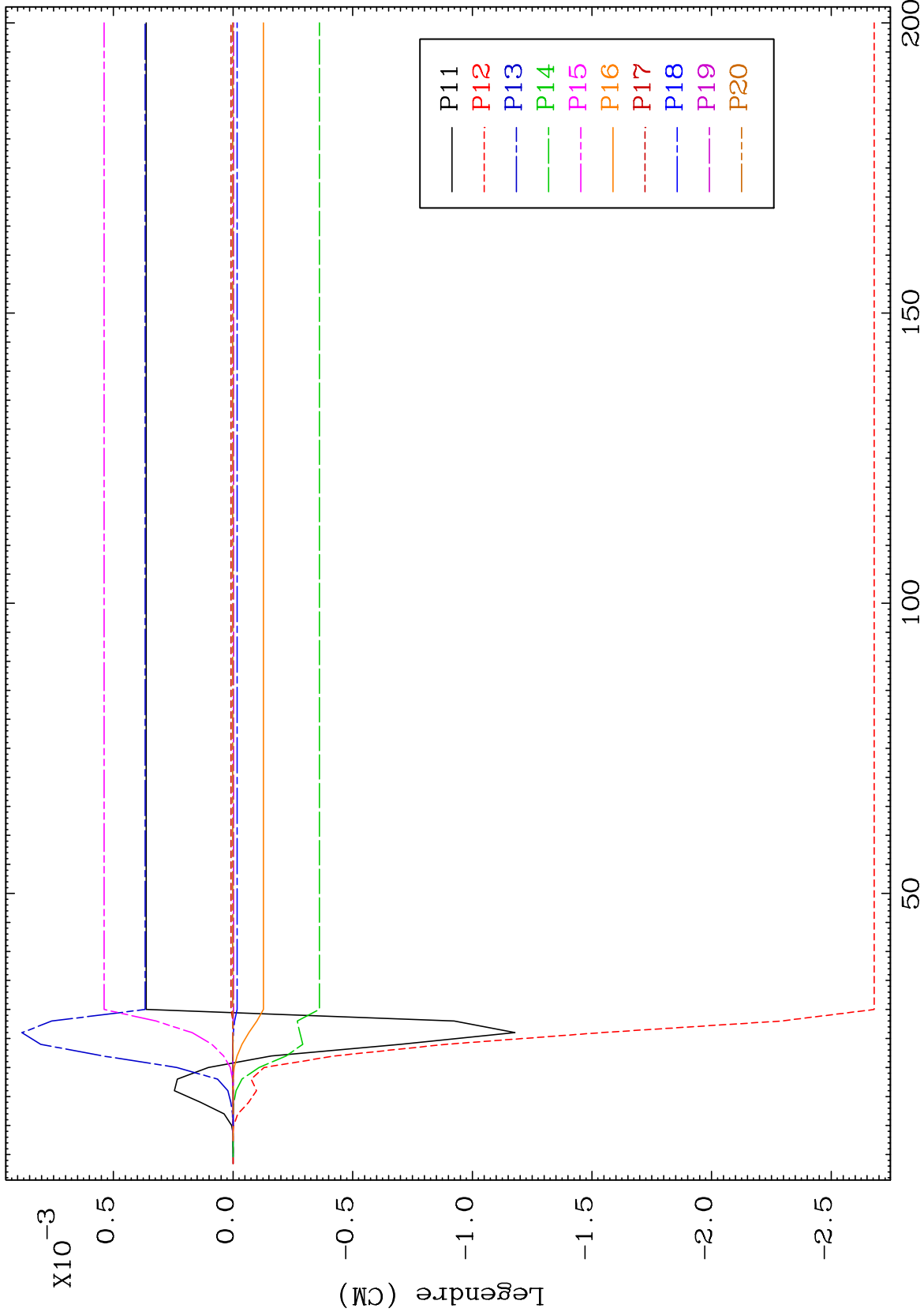
58-Ce-136



112

Incident Energy (MeV)

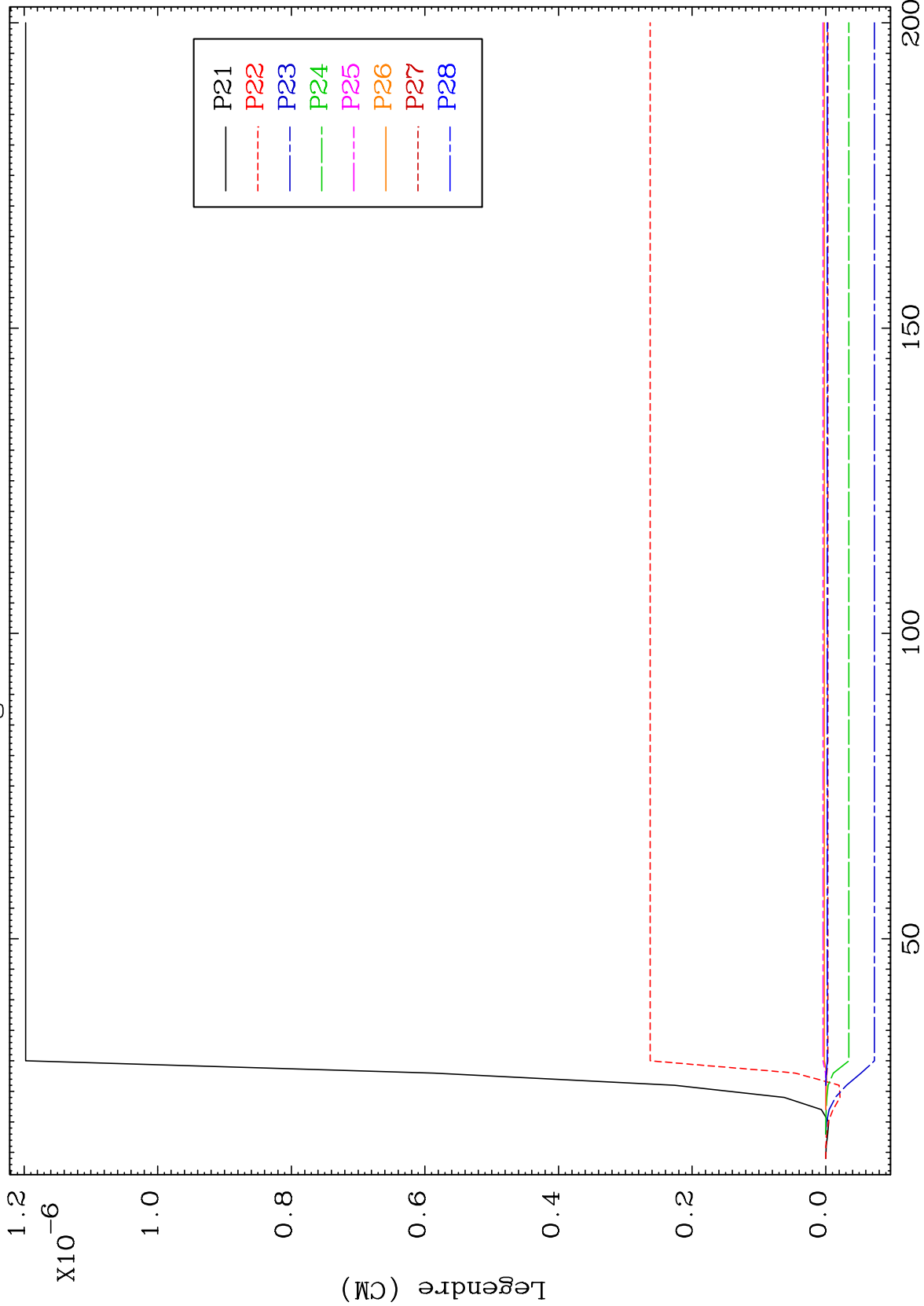
58-Ce-136



MAT 5825

3.095 MeV (n,n') Level  
Legendre Coefficients

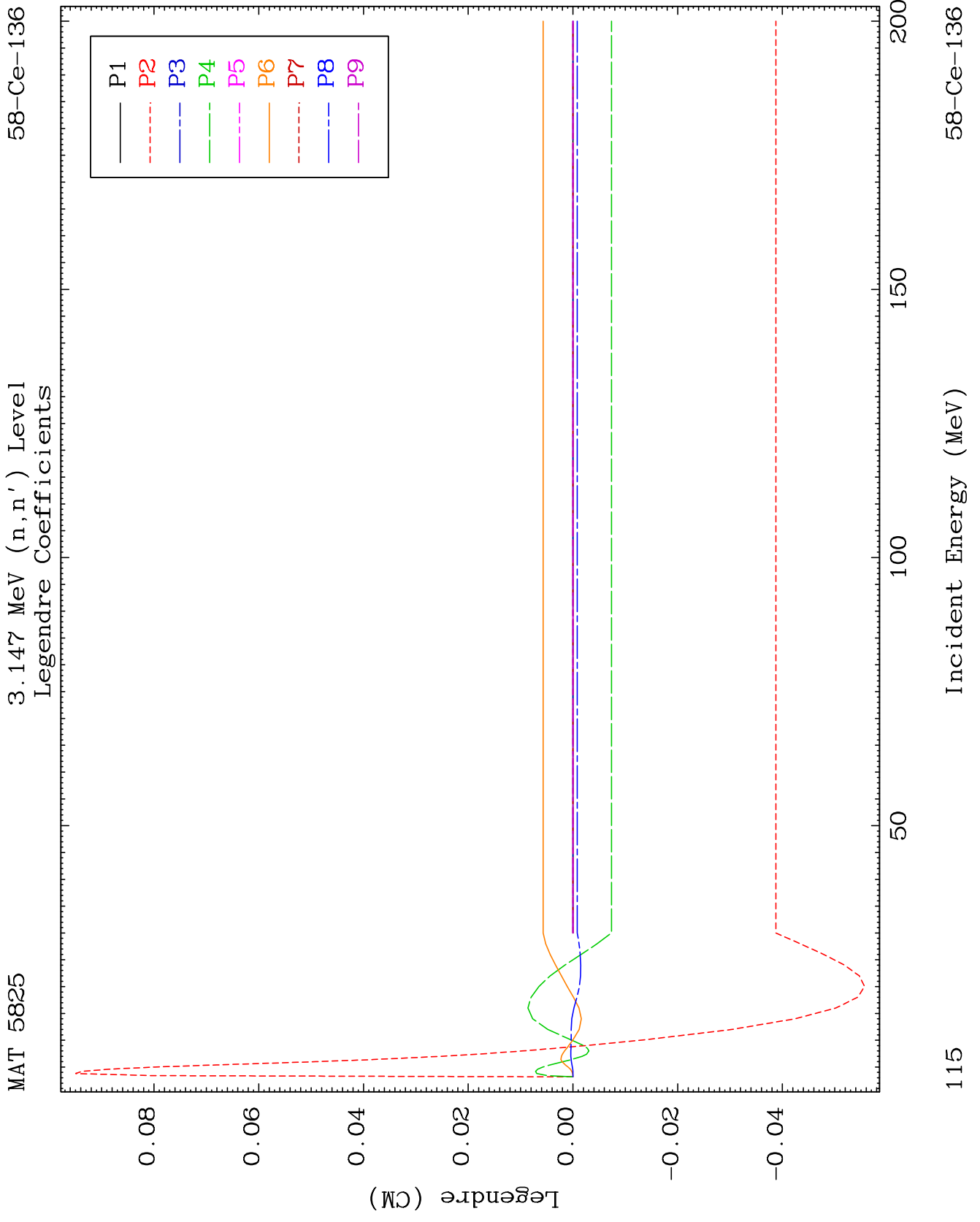
58-Ce-136



58-Ce-136

Incident Energy (MeV)

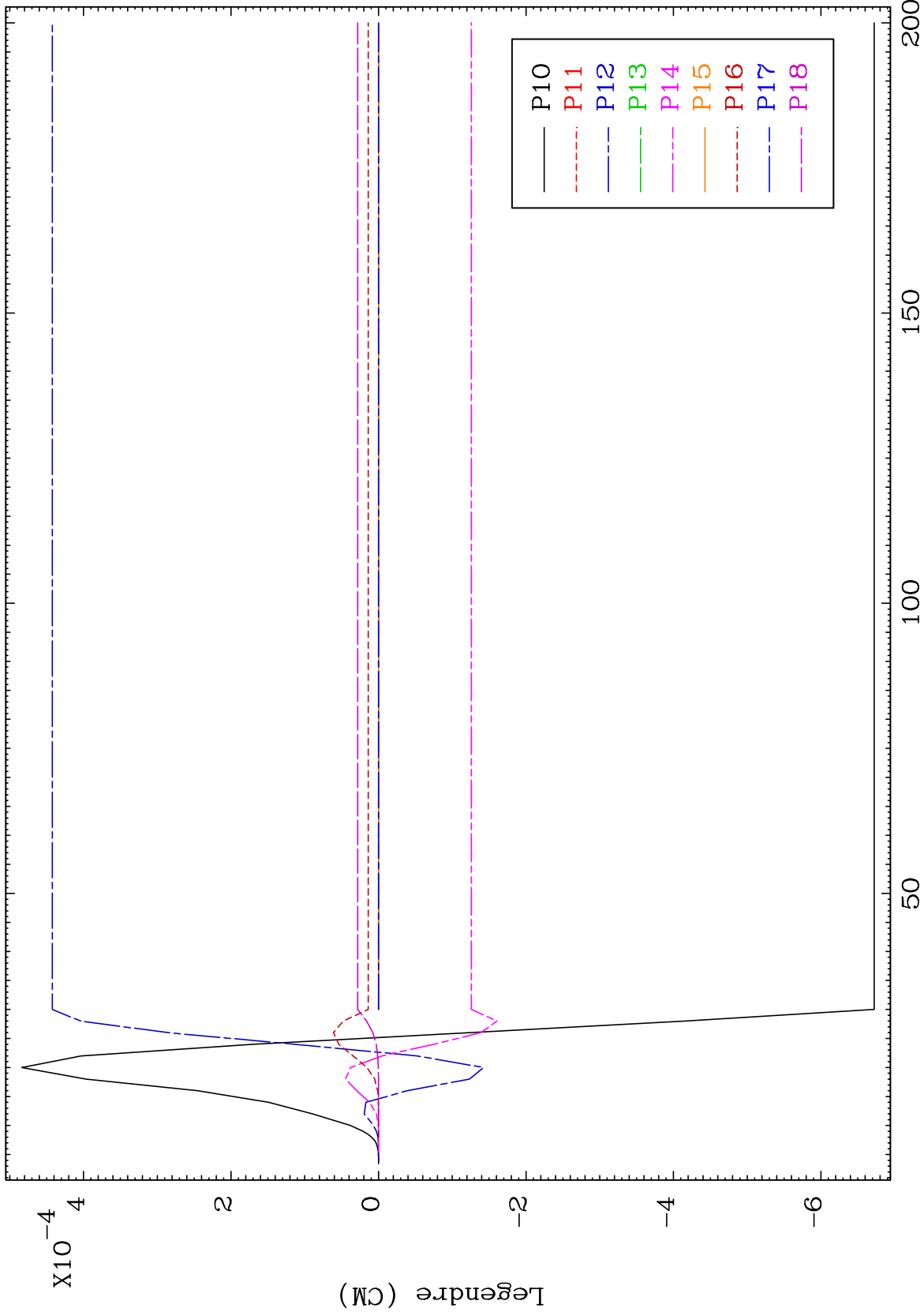
114



MAT 5825

3.147 MeV (n,n') Level  
Legendre Coefficients

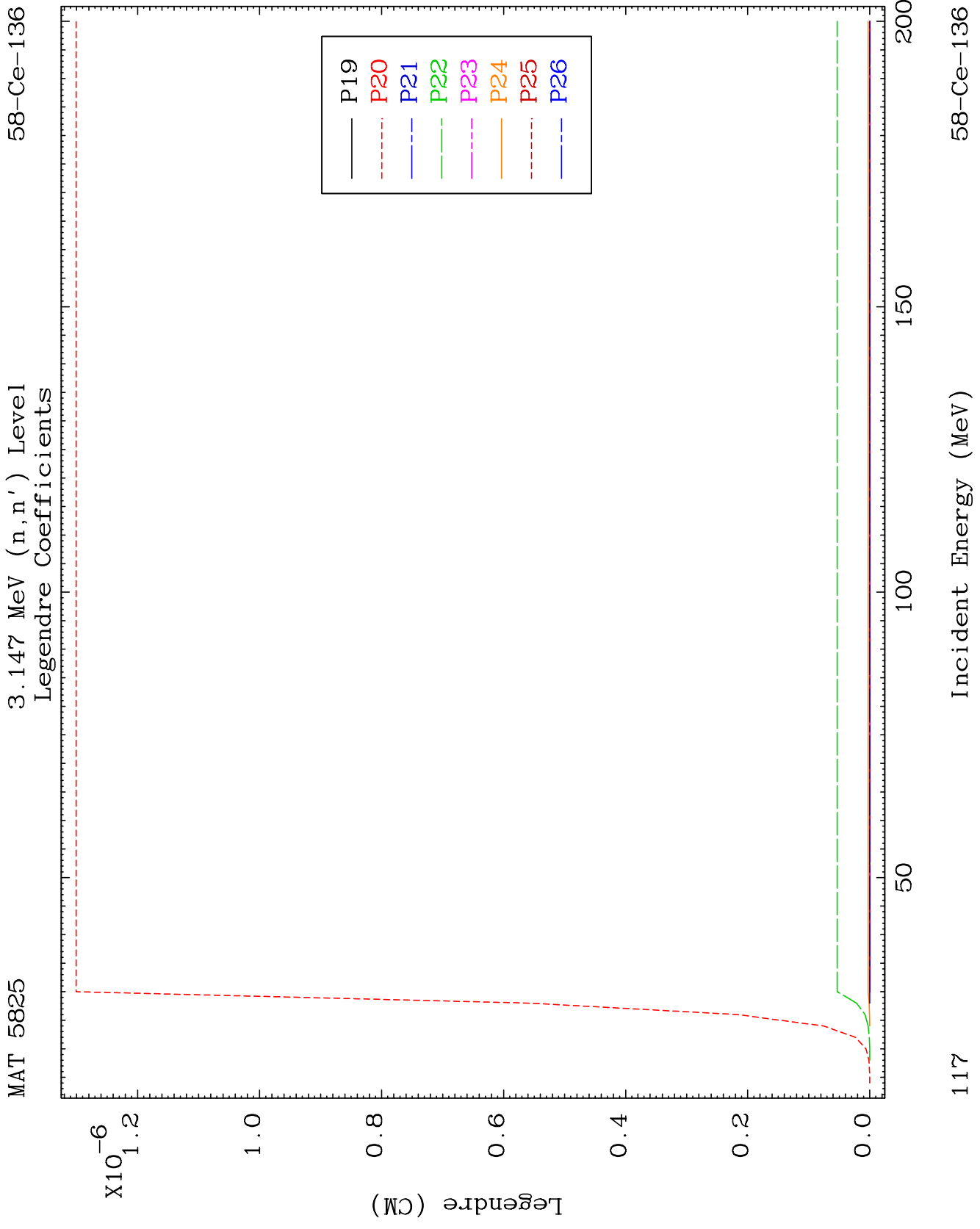
58-Ce-136

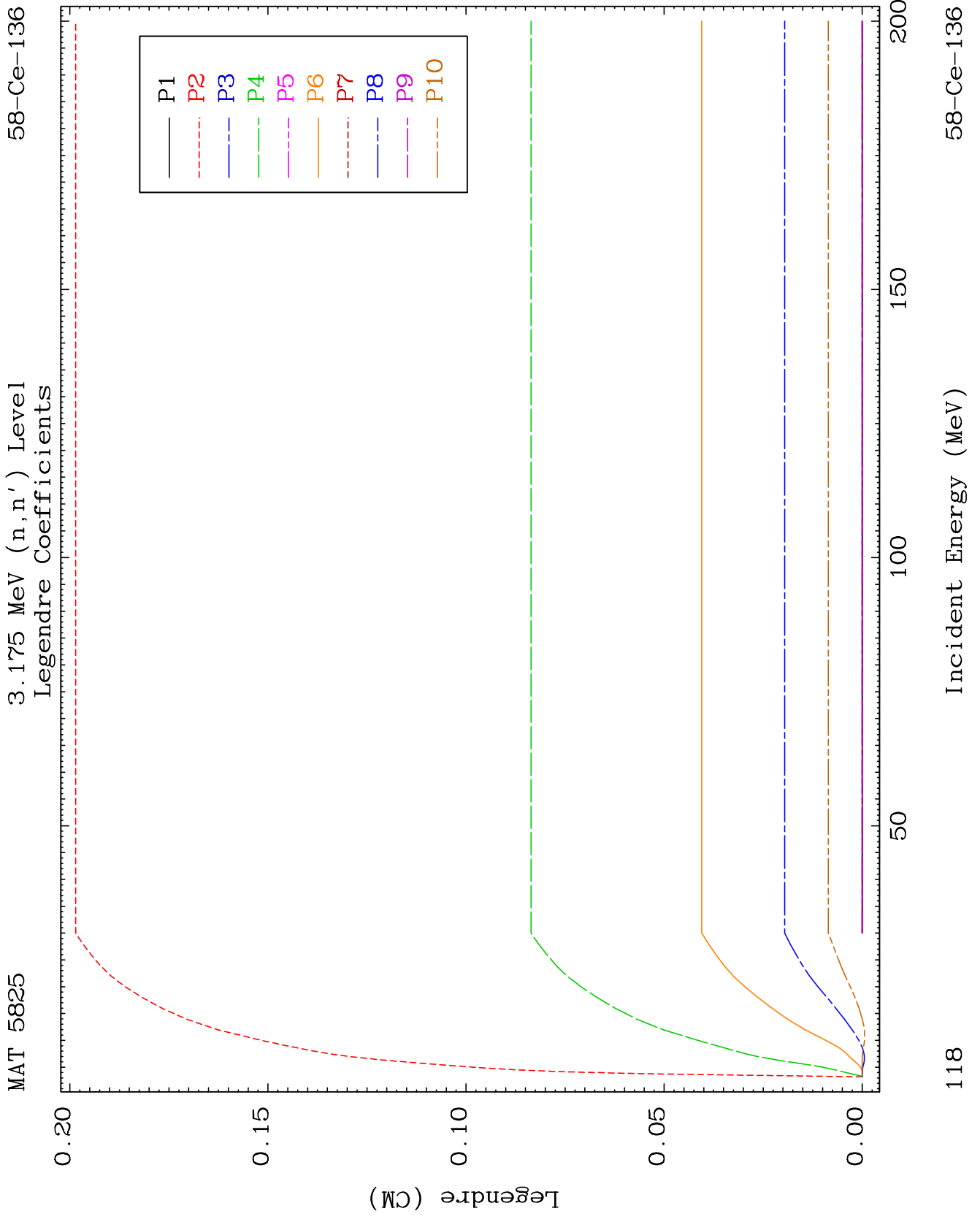


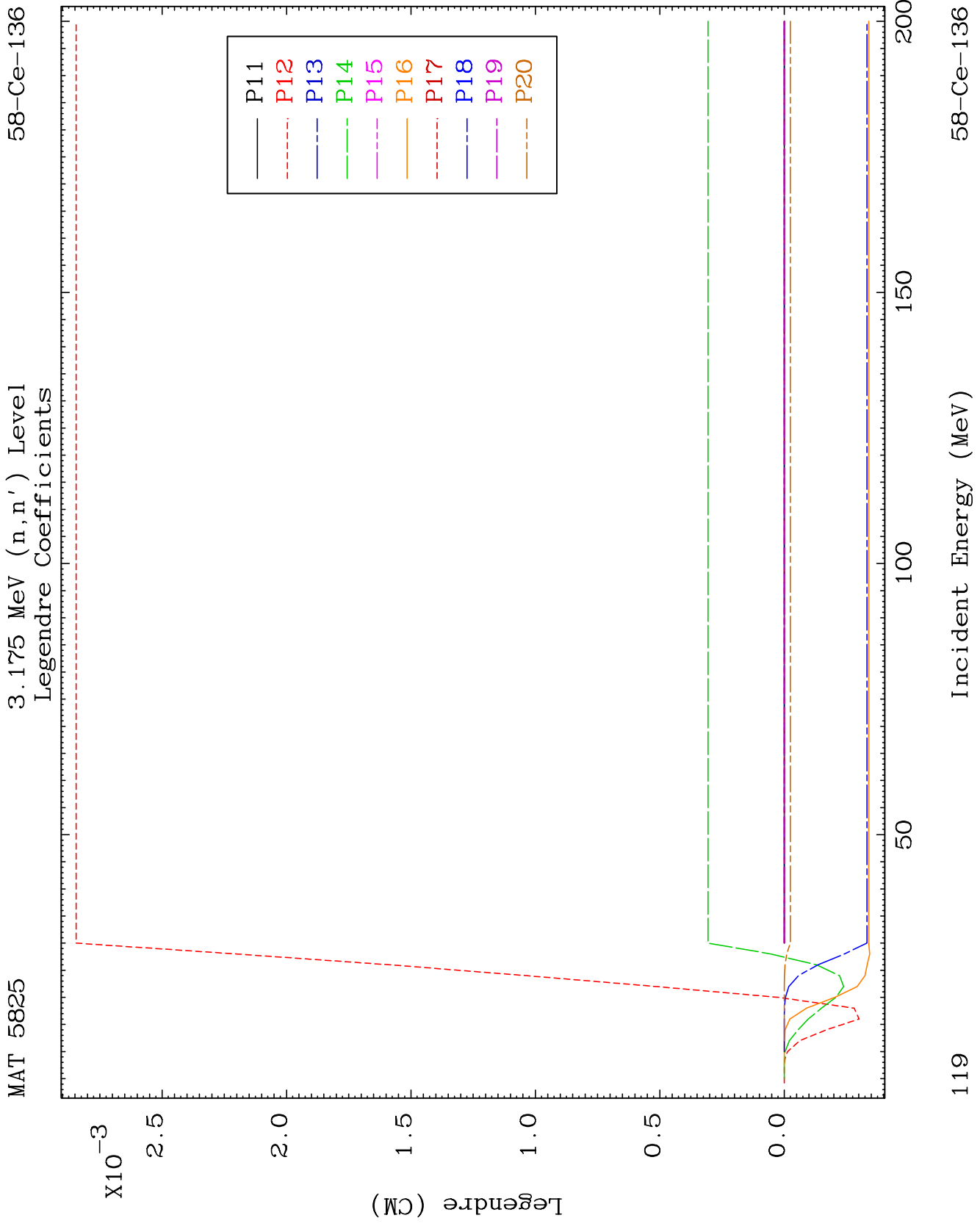
116

Incident Energy (MeV)

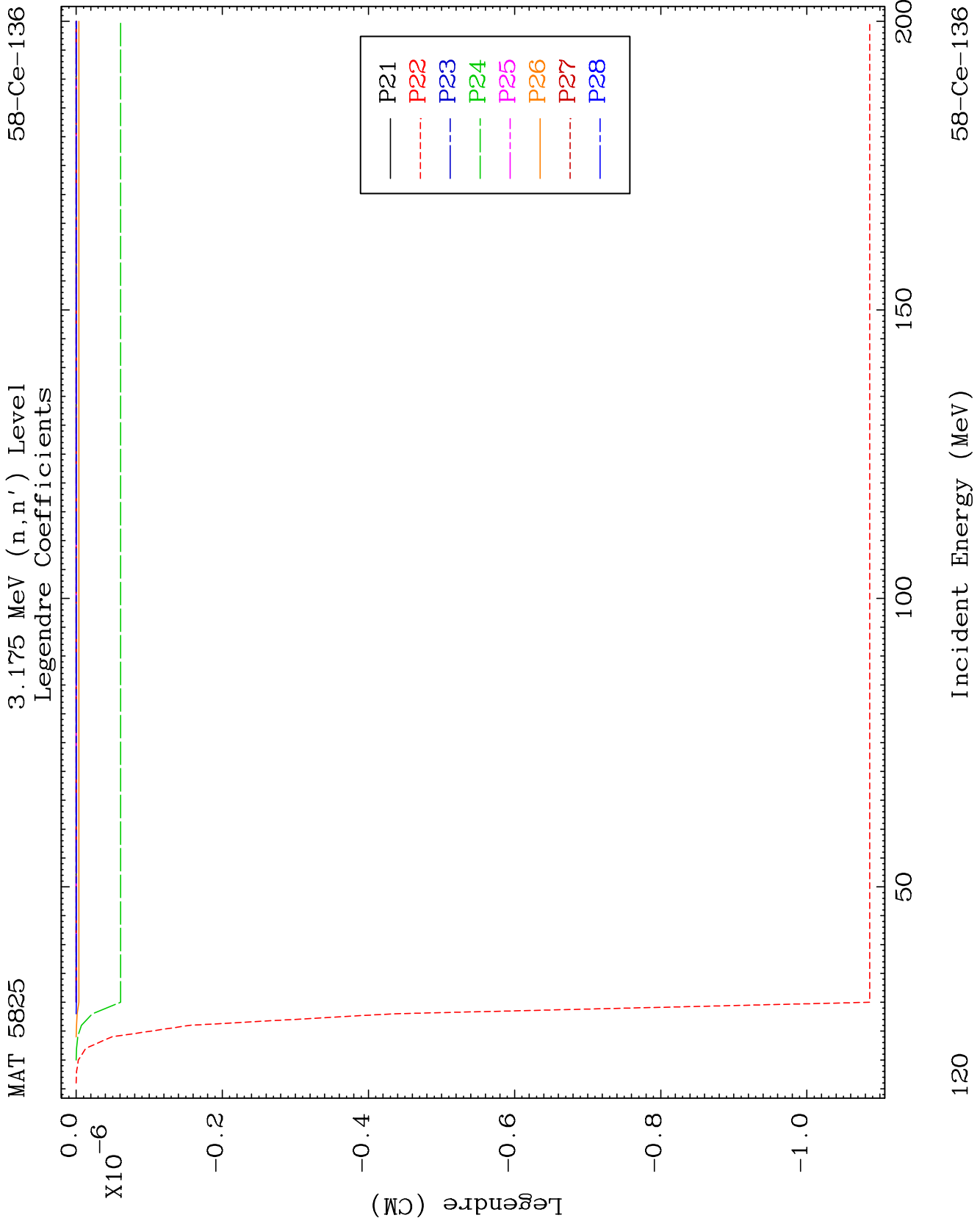
58-Ce-136

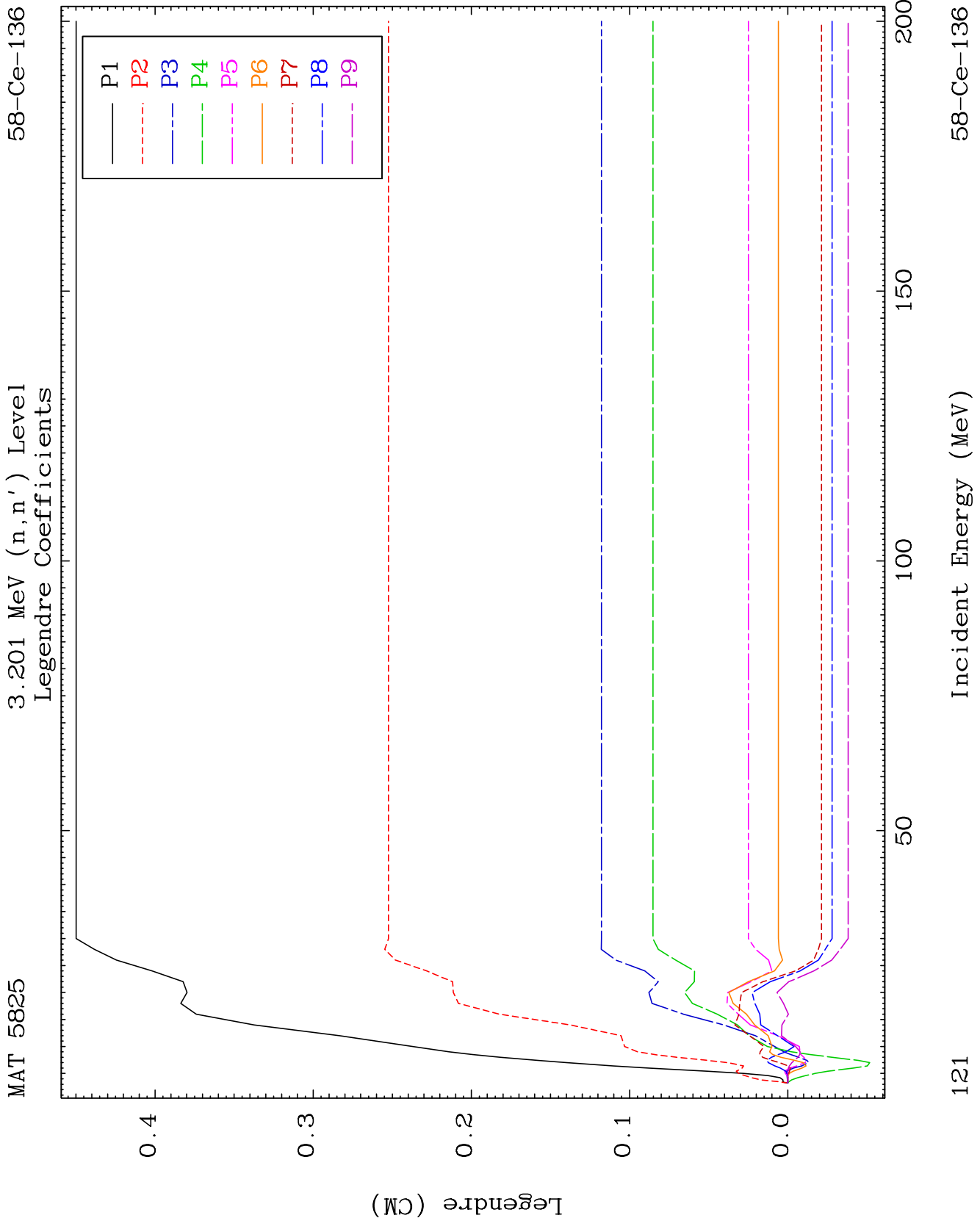


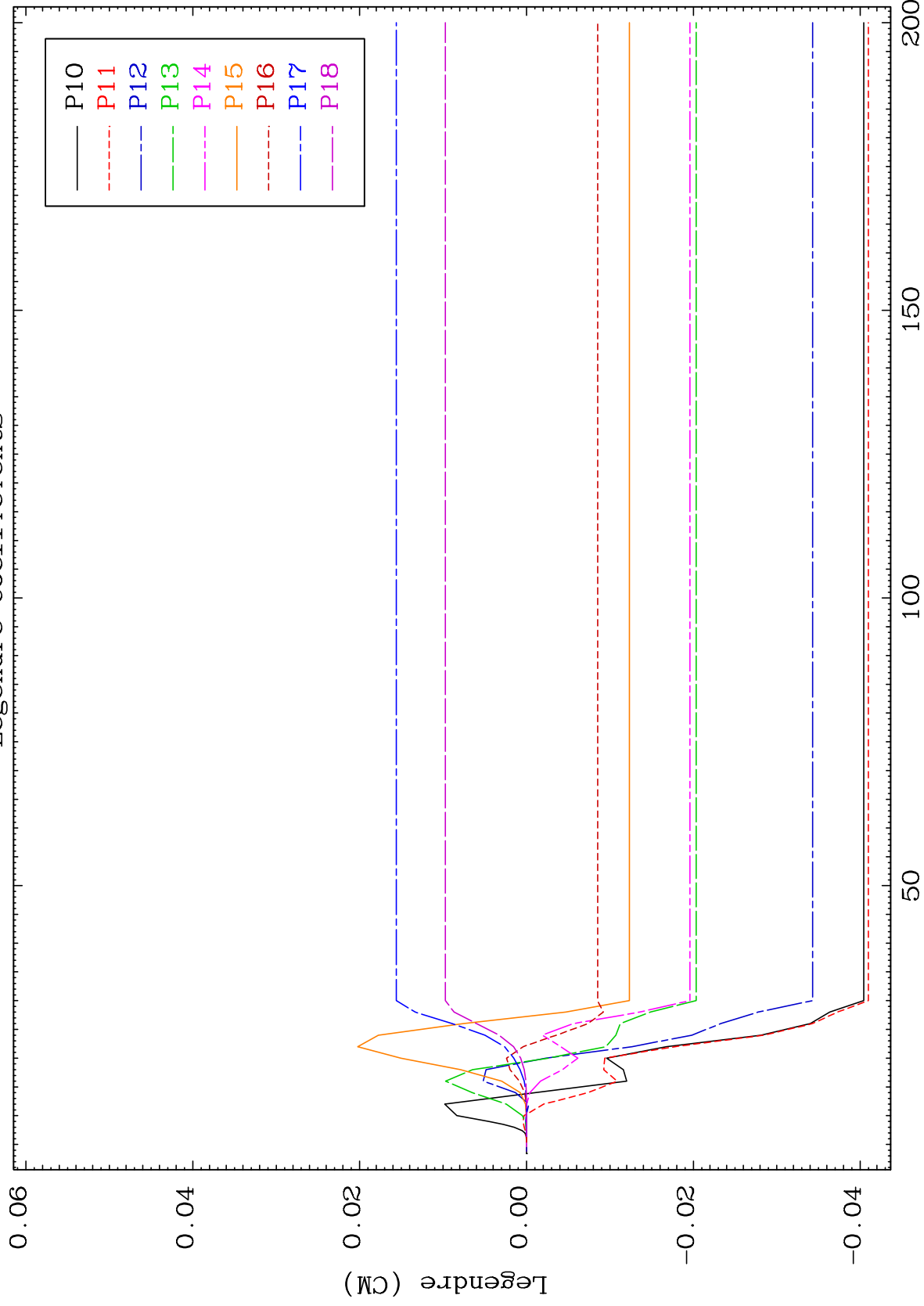


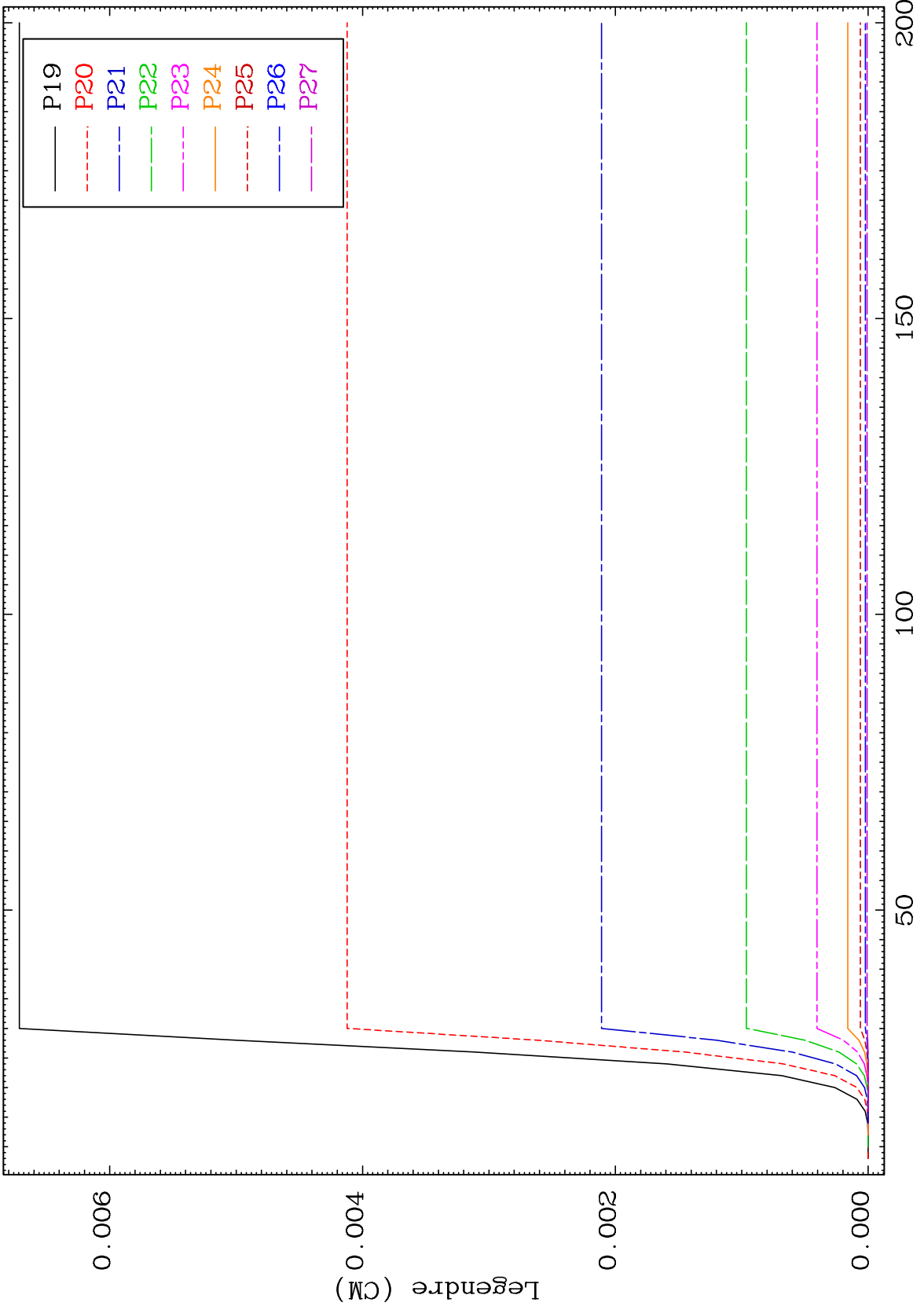








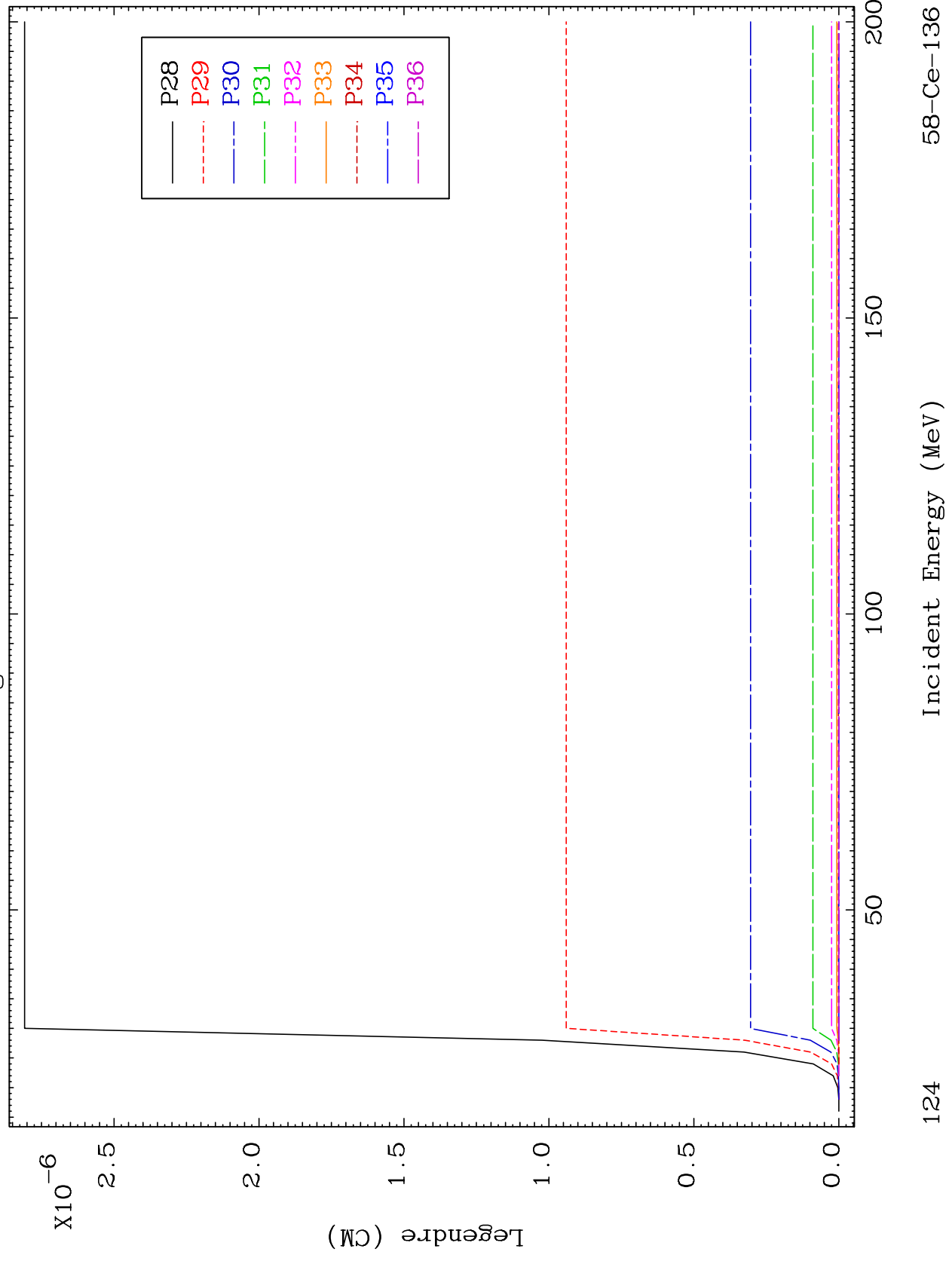




MAT 5825

3.201 MeV (n,n') Level  
Legendre Coefficients

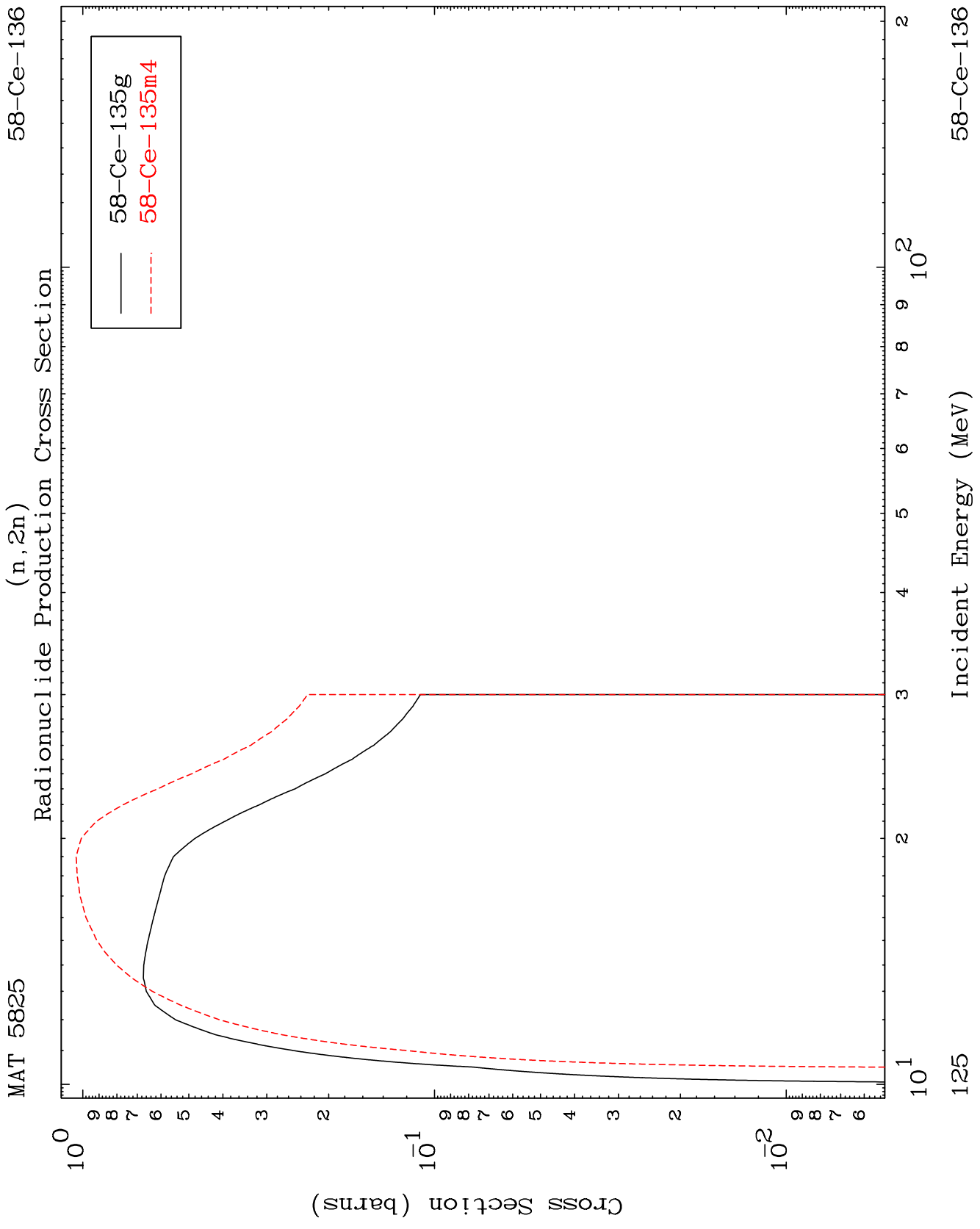
58-Ce-136



124

Incident Energy (MeV)

58-Ce-136

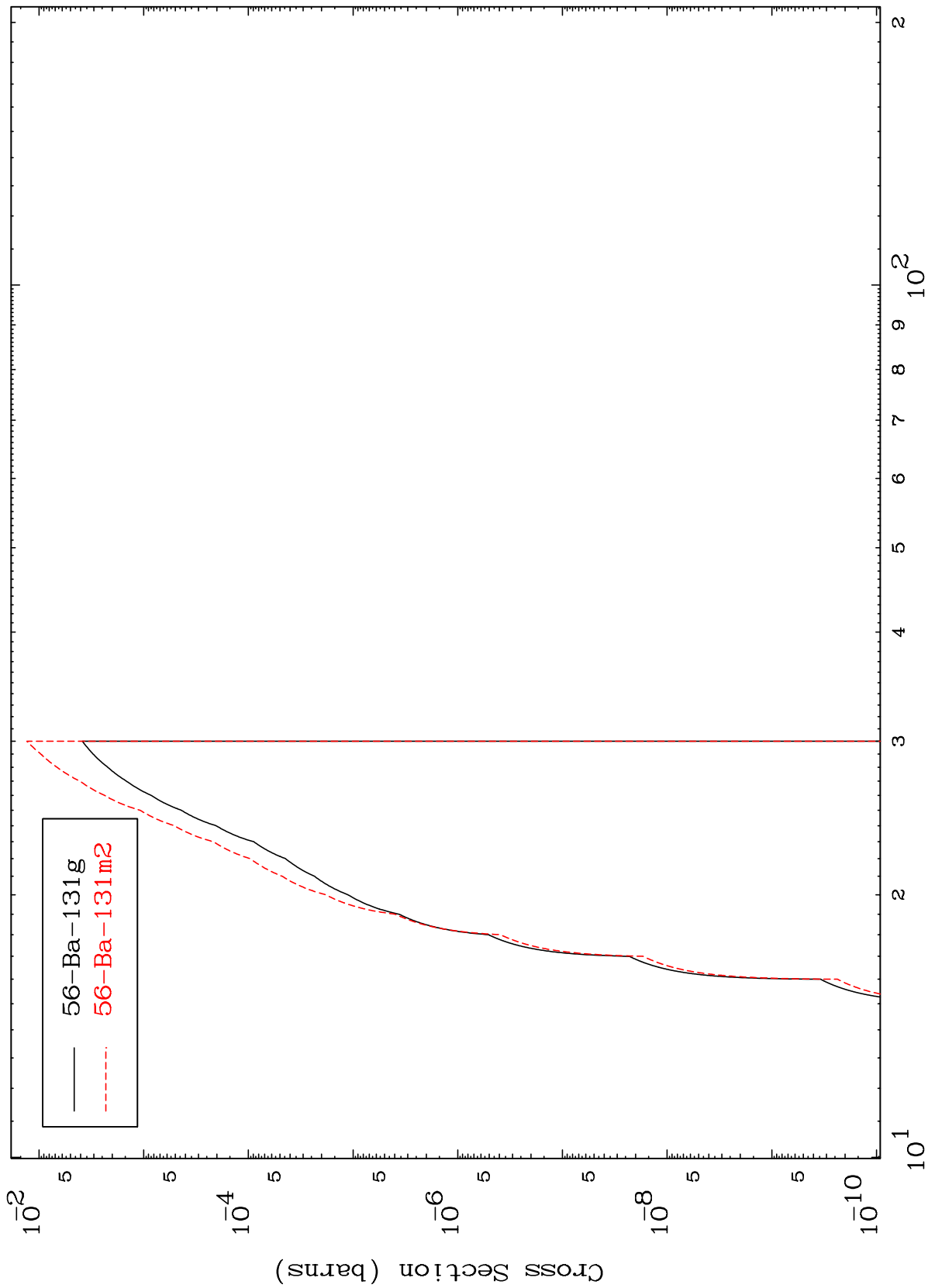


MAT 5825

(n,2n)  $\alpha$

58-Ce-136

Radionuclide Production Cross Section



Incident Energy (MeV)

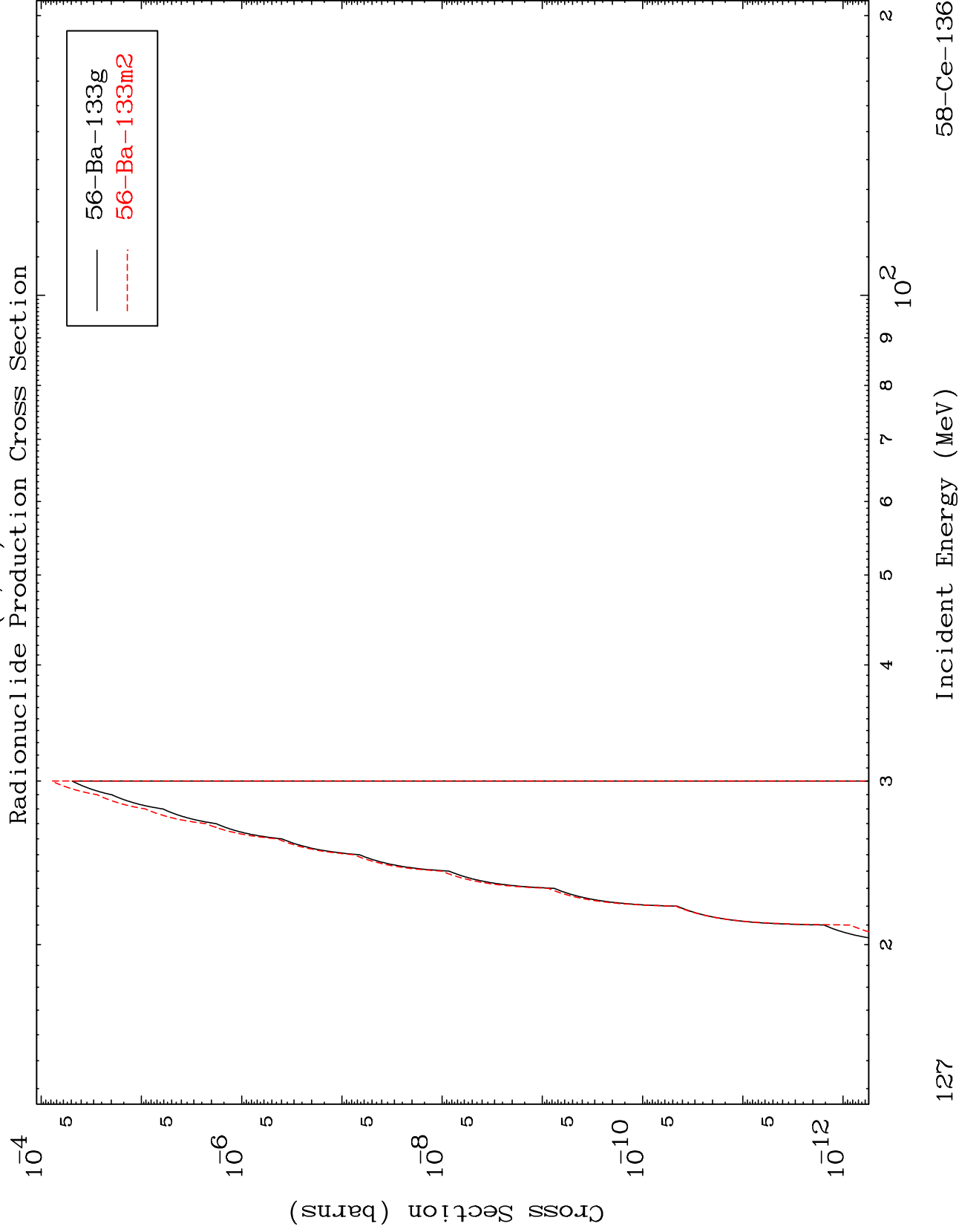
58-Ce-136

126

MAT 5825

(n,n') He-3

58-Ce-136



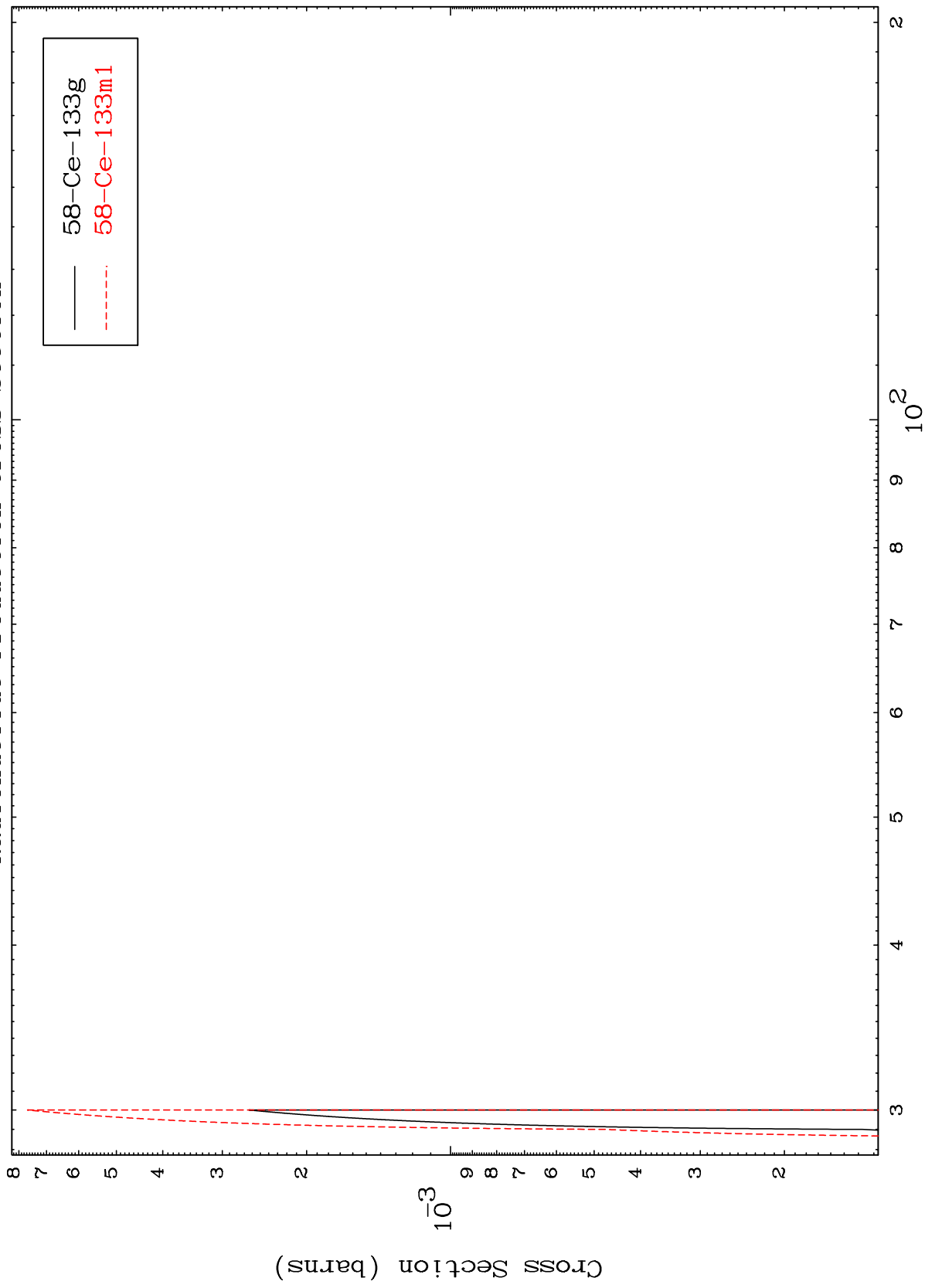
127



MAT 5825

58-Ce-136

(n,4n)  
Radionuclide Production Cross Section



58-Ce-136

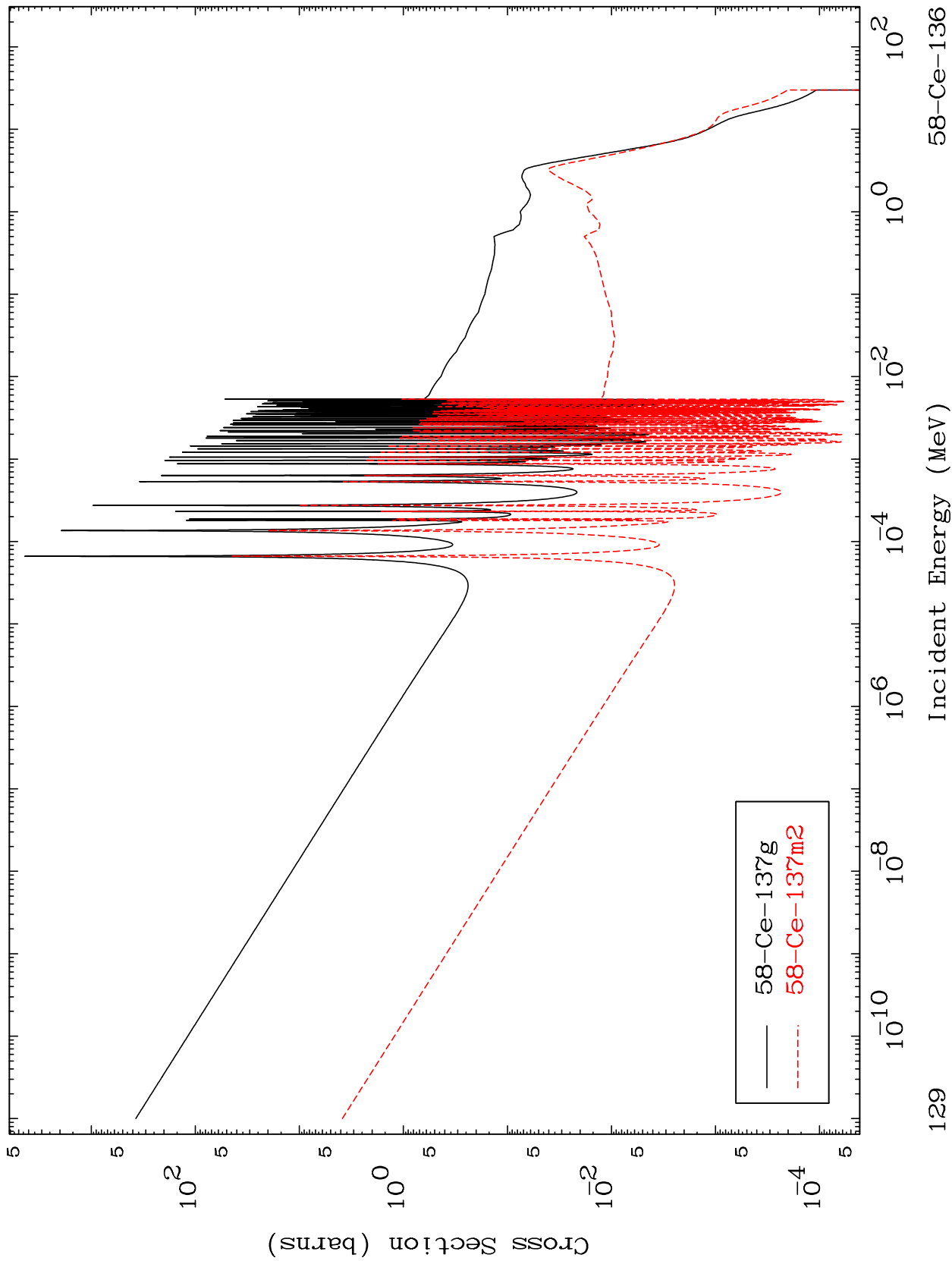
Incident Energy (MeV)

128

MAT 5825

58-Ce-136

$(n, \gamma)$   
Radionuclide Production Cross Section

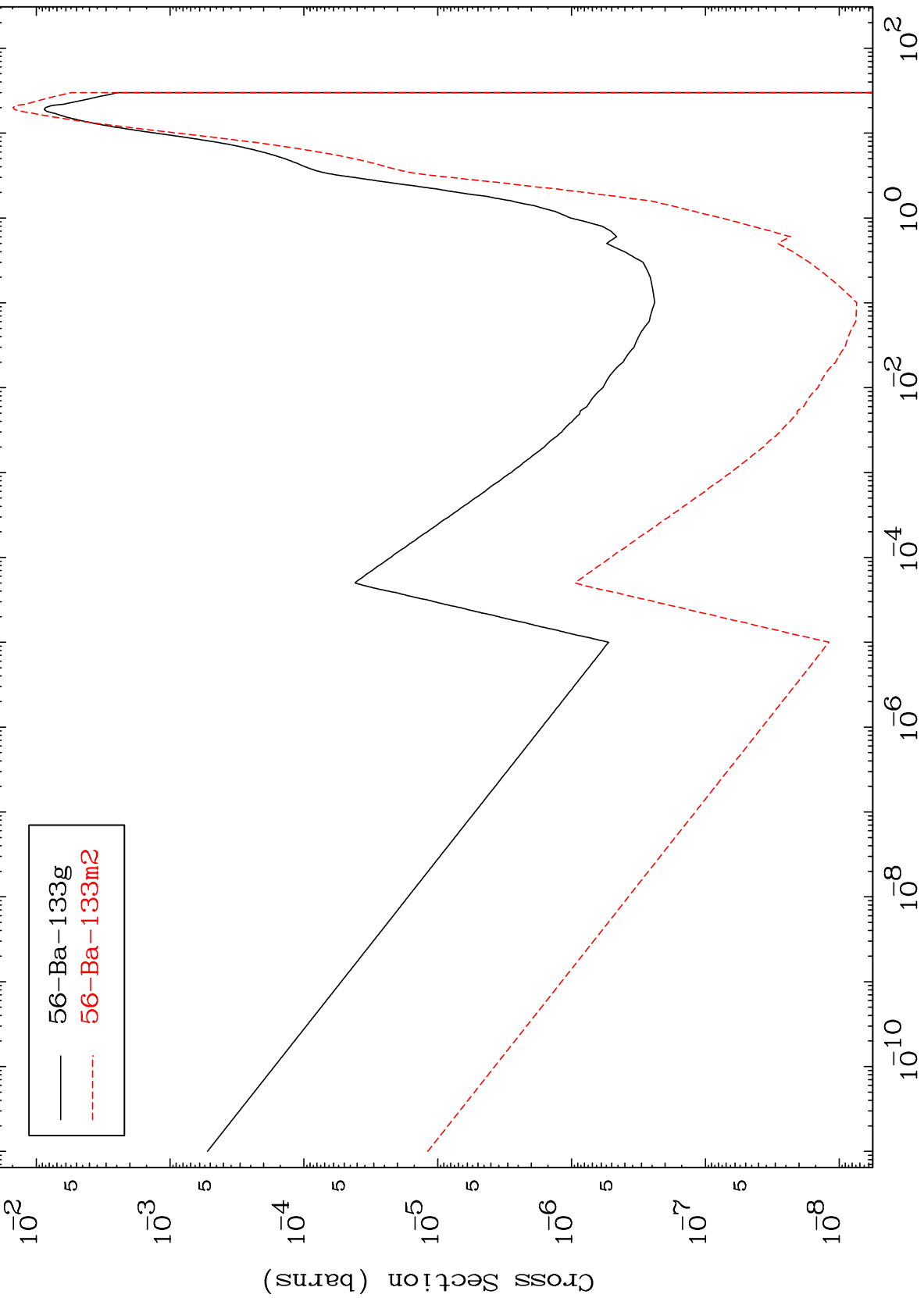


MAT 5825

(n,  $\alpha$ )

58-Ce-136

Radionuclide Production Cross Section



130

Incident Energy (MeV)

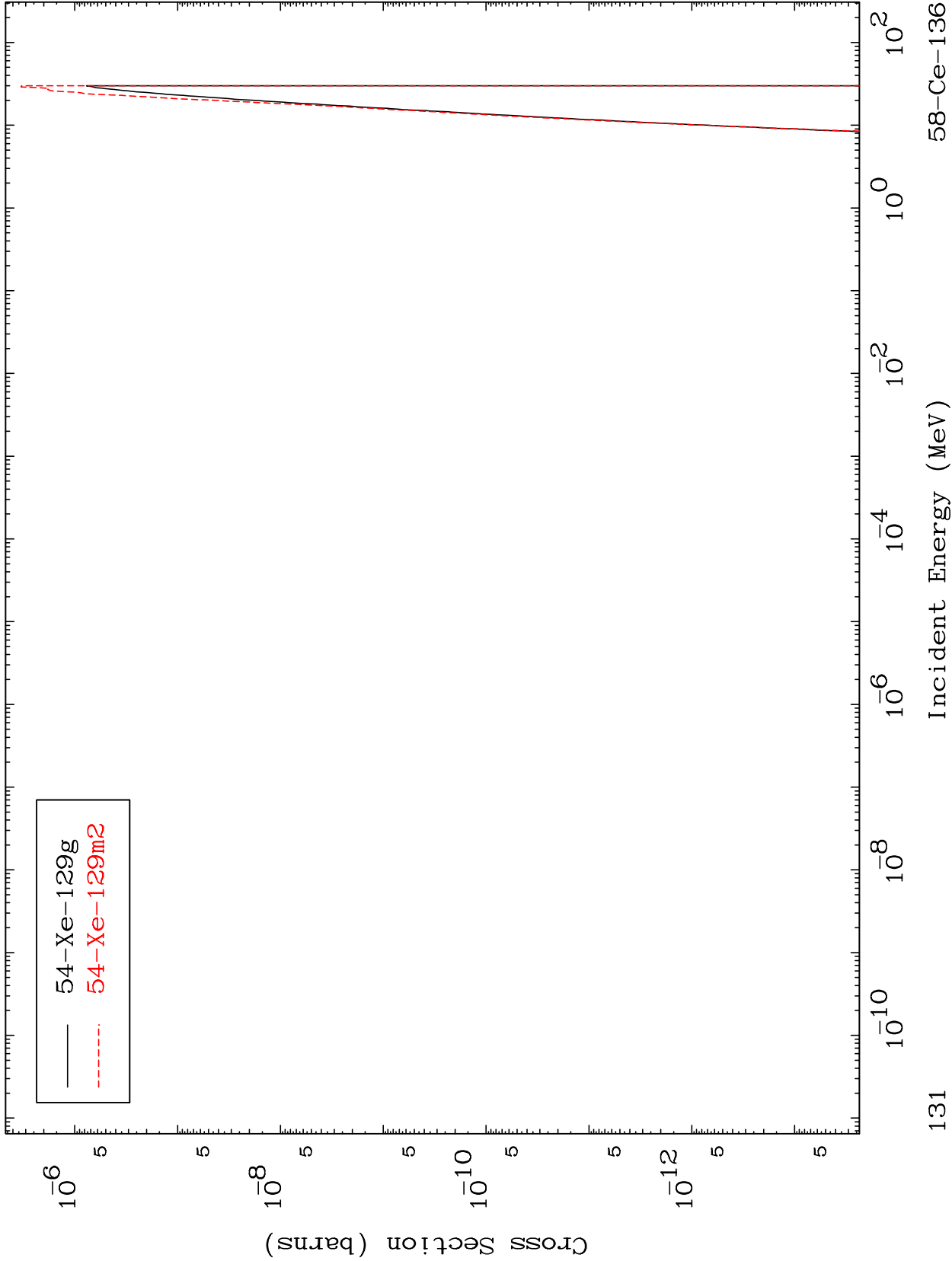
58-Ce-136

MAT 5825

(n,2α)

58-Ce-136

Radionuclide Production Cross Section



131

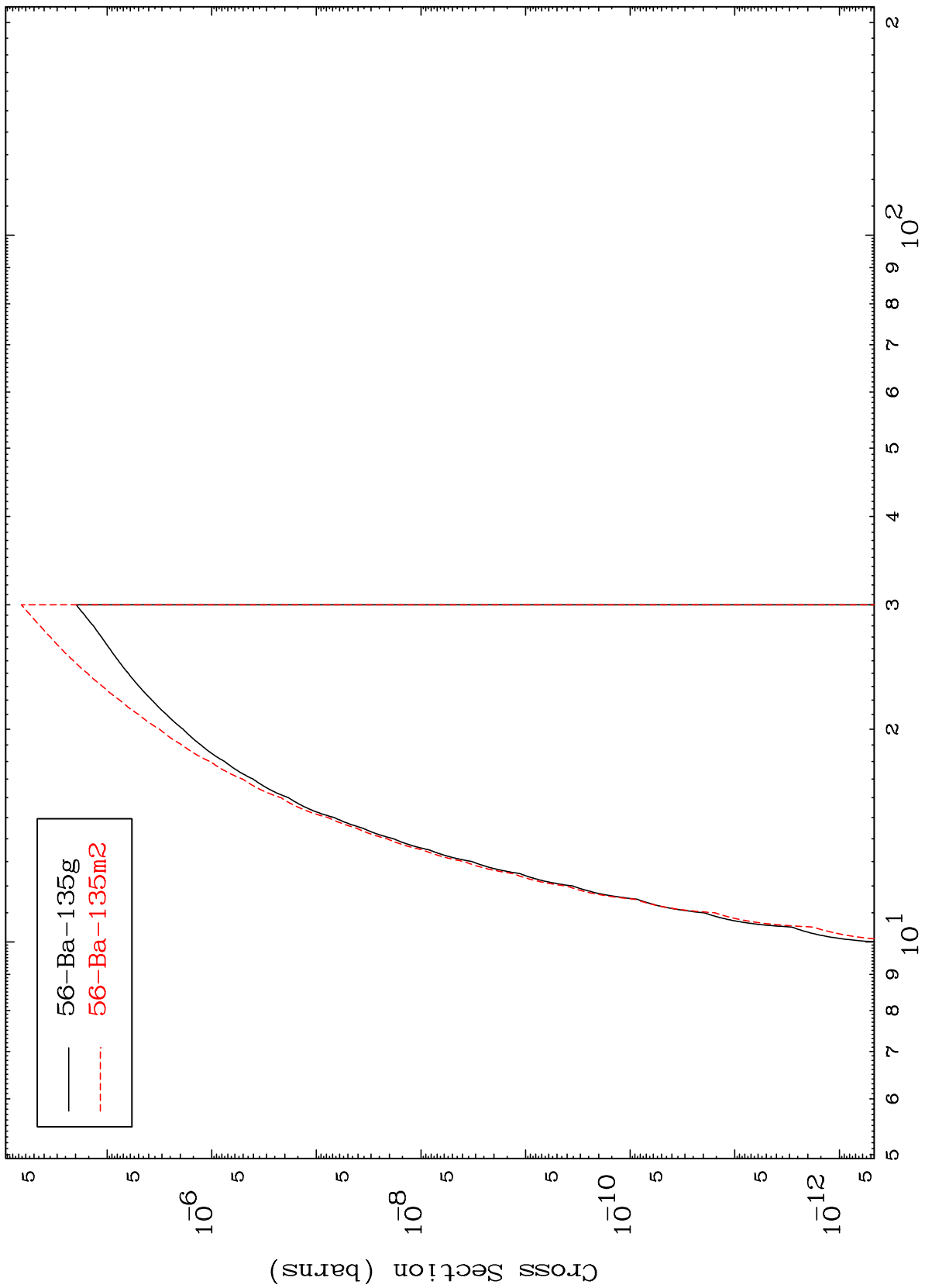
Incident Energy (MeV)

58-Ce-136

MAT 5825

58-Ce-136

(n,2p)  
Radionuclide Production Cross Section



132

Incident Energy (MeV)

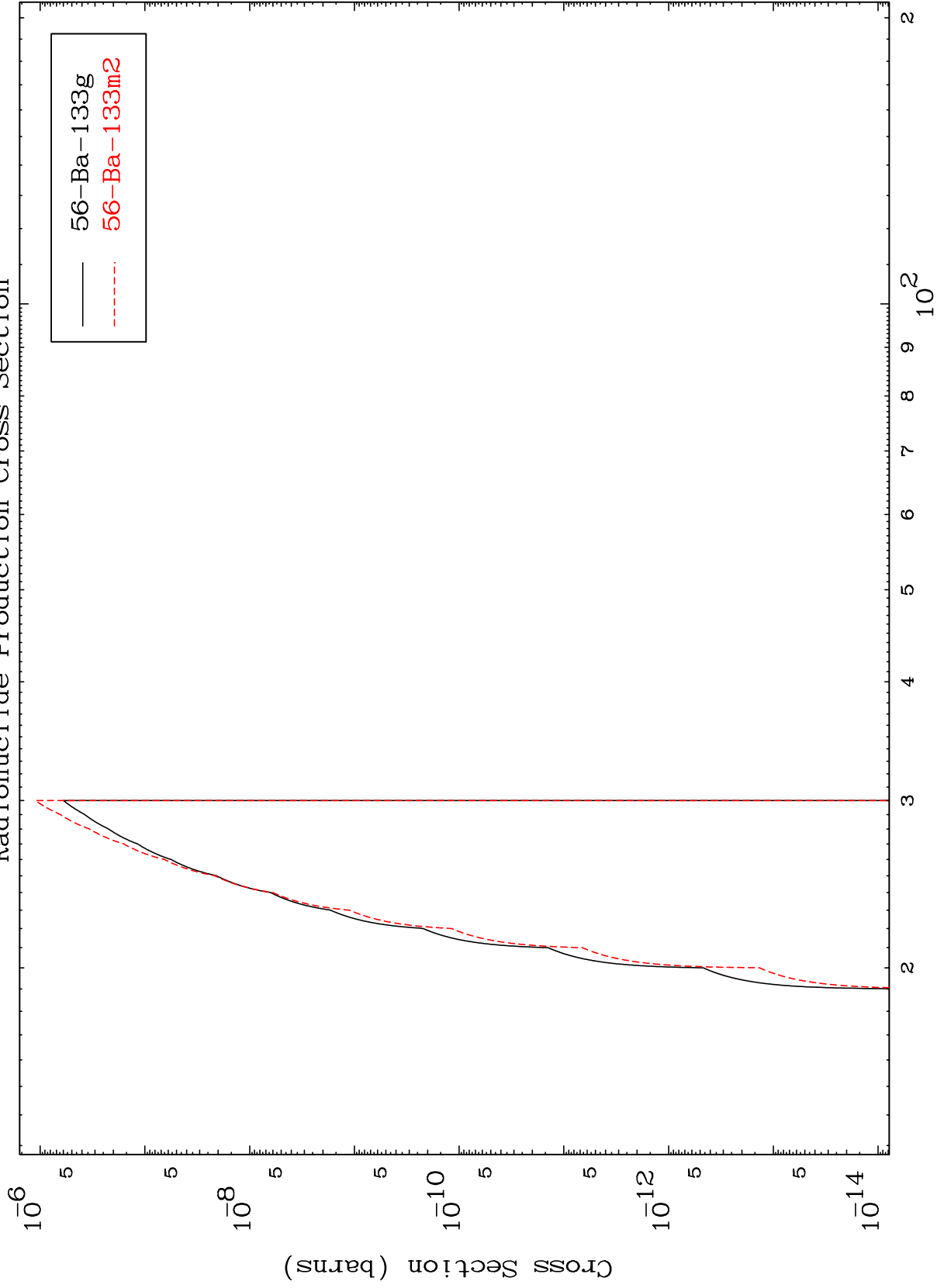
58-Ce-136

MAT 5825

(n,p) t

58-Ce-136

Radionuclide Production Cross Section



133

Incident Energy (MeV)

58-Ce-136