

Program EVALPLOT  
(Version 2015-2)

by

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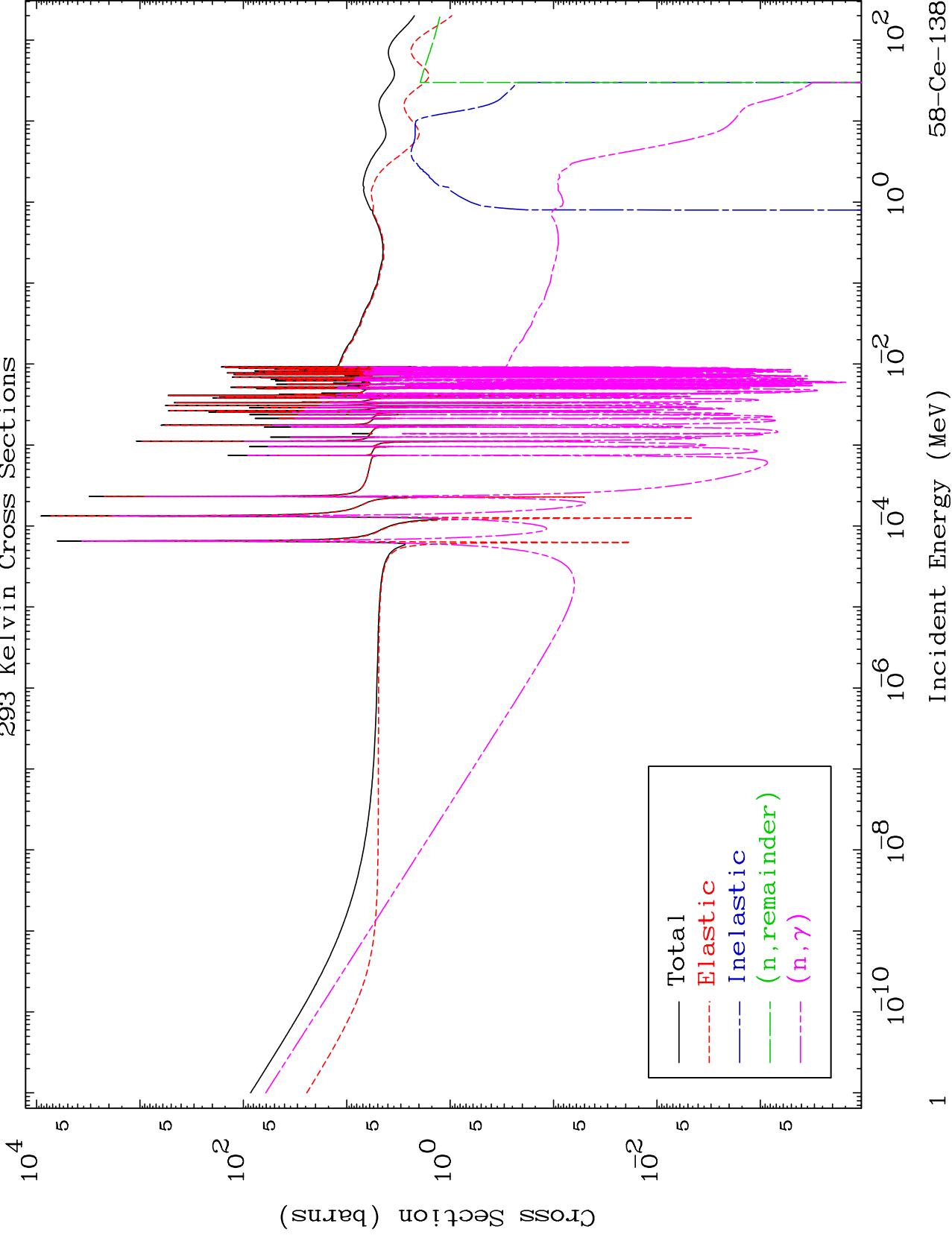
Press Mouse Button to Start

MAT 5831

Major

293 Kelvin Cross Sections

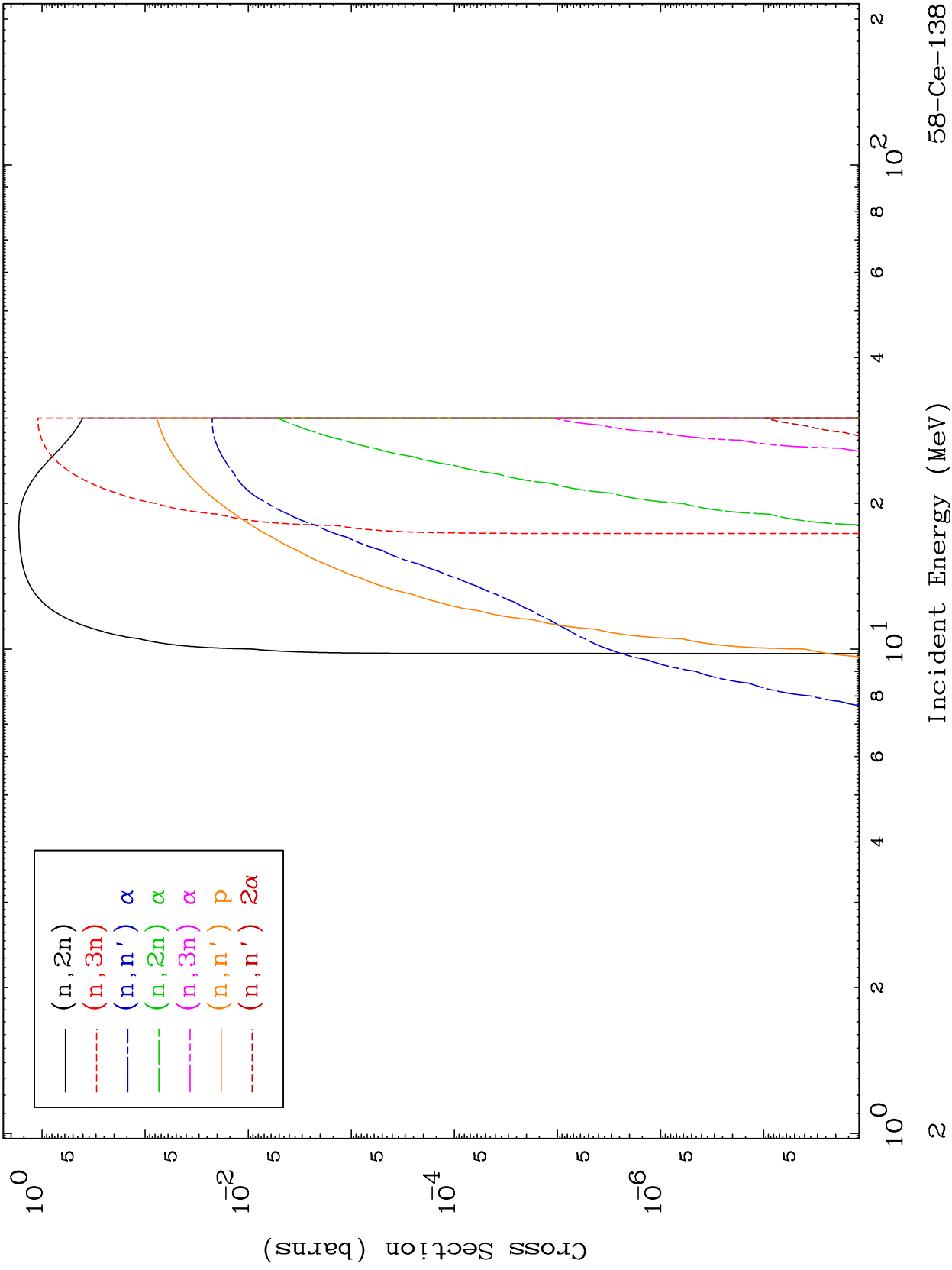
58-Ce-138

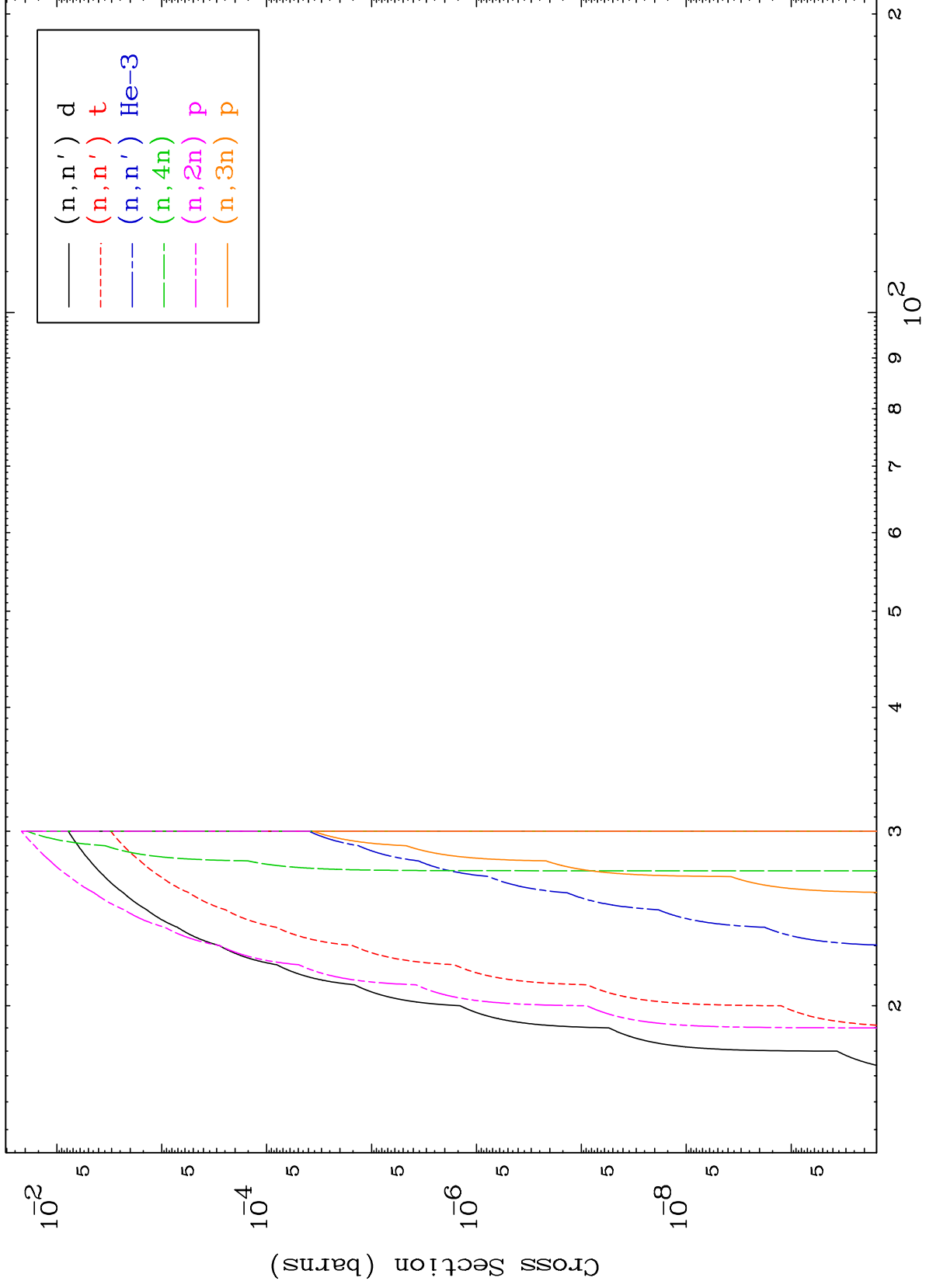


MAT 5831

Neutron Production  
293 Kelvin Cross Sections

58-Ce-138

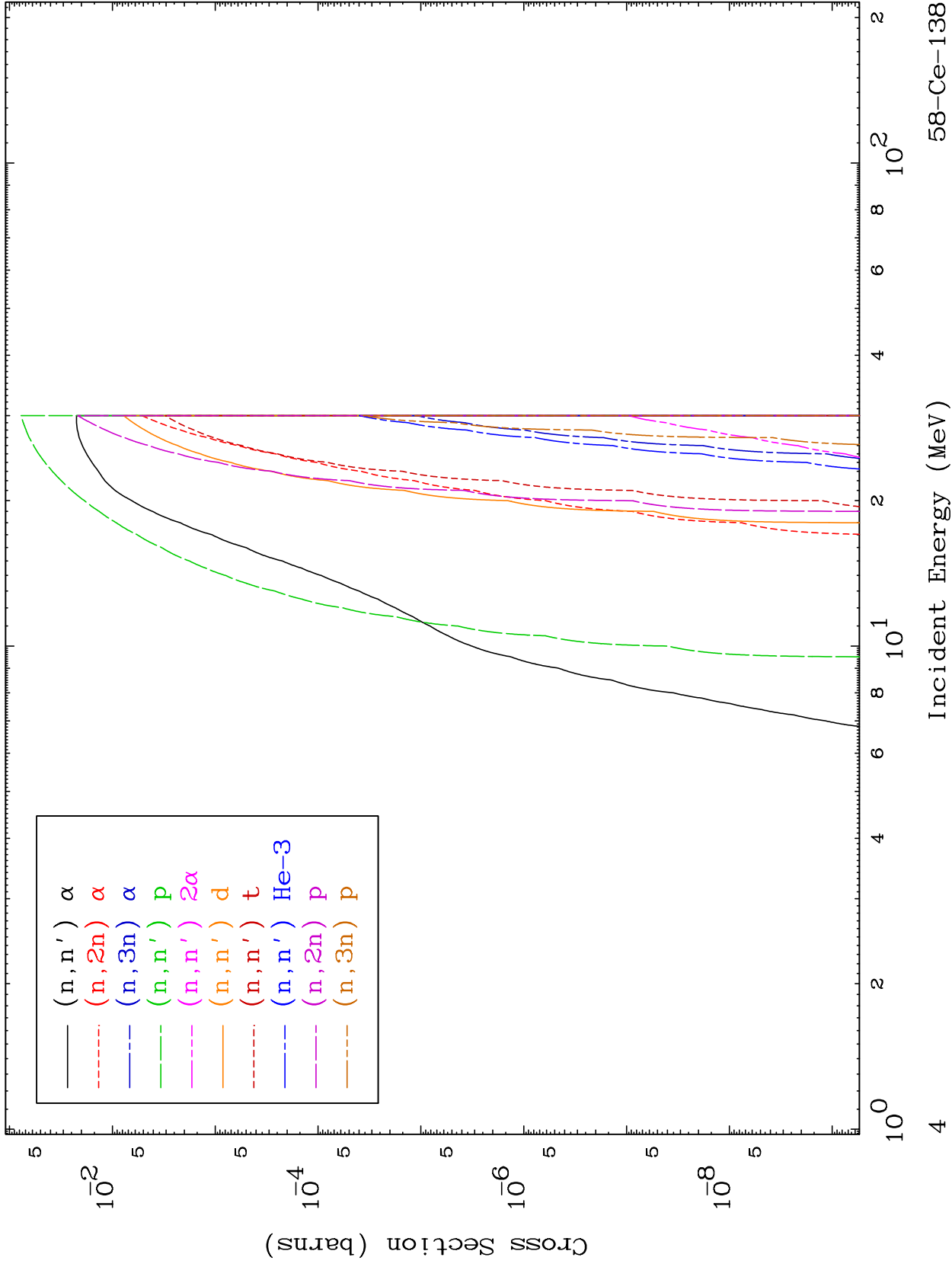


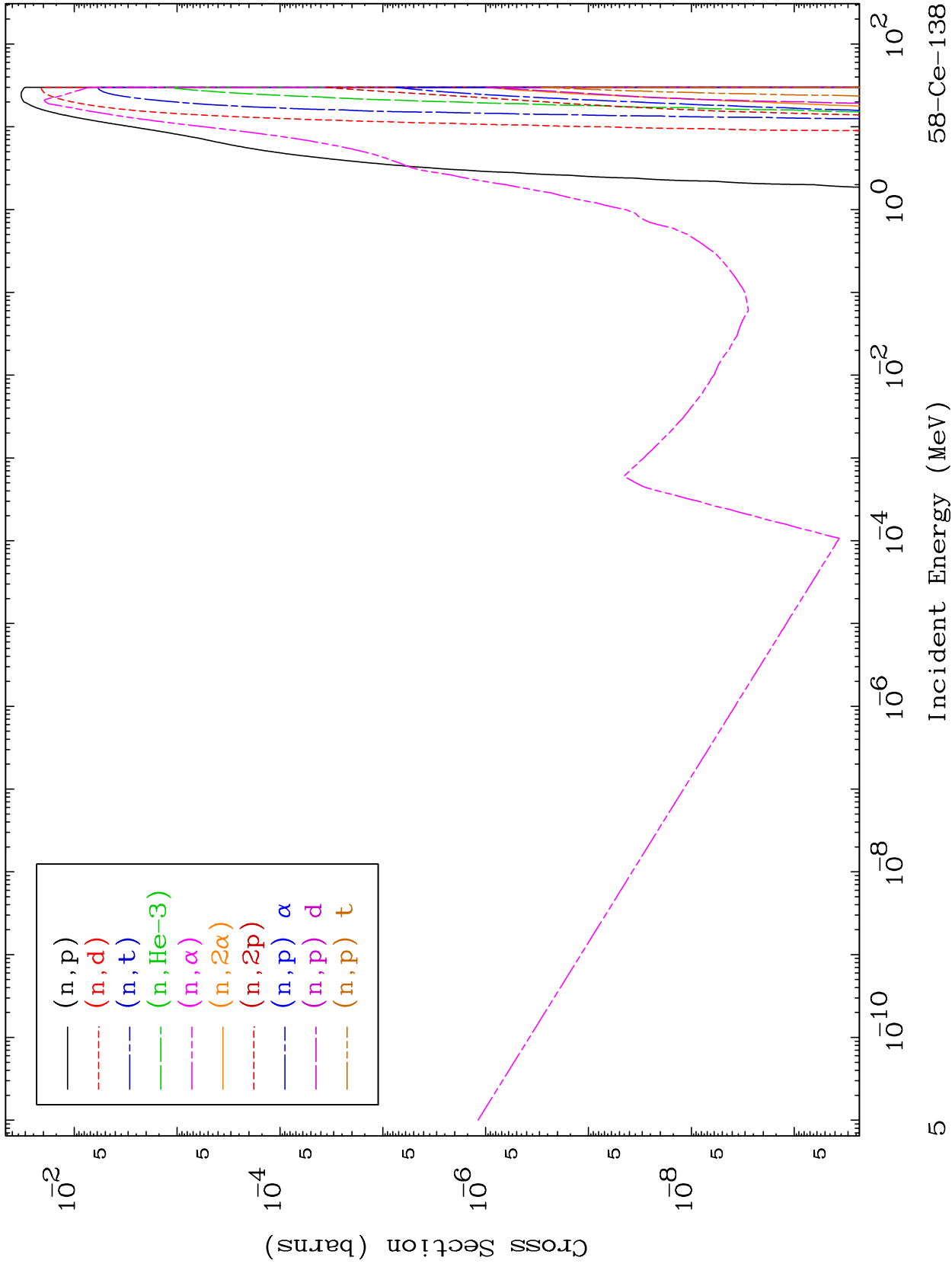


MAT 5831

Charged Particle  
293 Kelvin Cross Sections

58-Ce-138

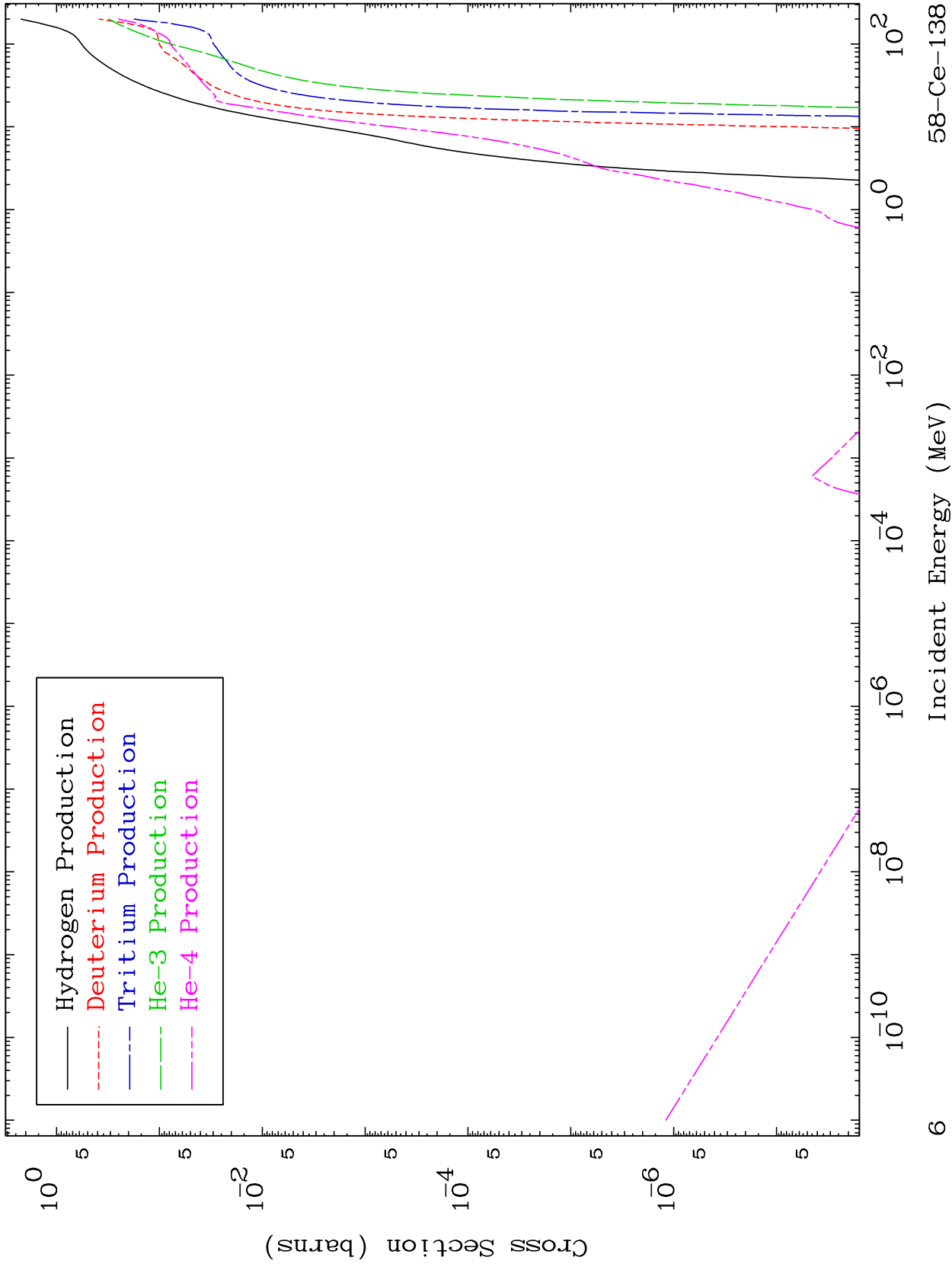




MAT 5831

Particle Production  
293 Kelvin Cross Sections

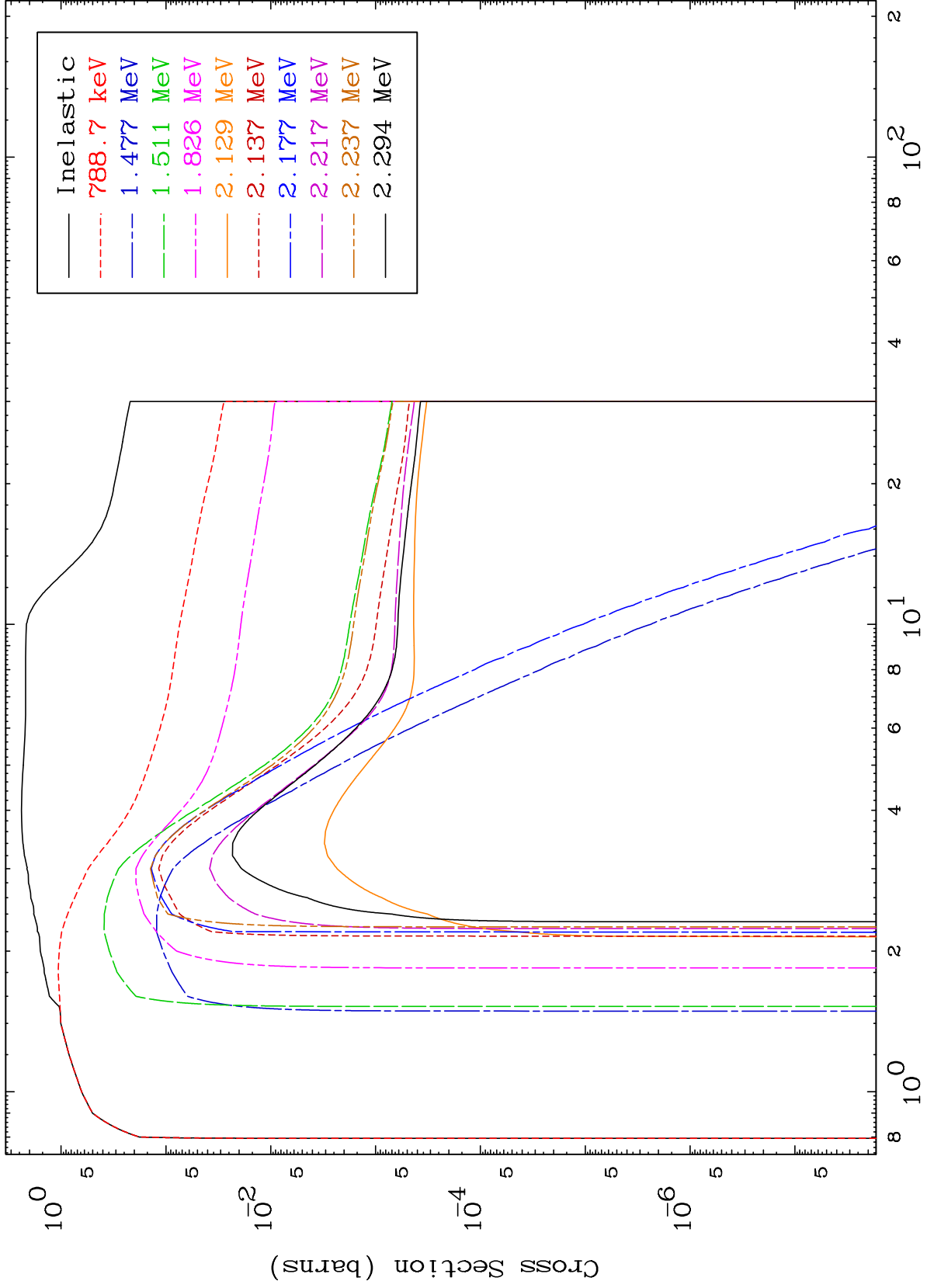
58-Ce-138



MAT 5831

(n,n') Level  
293 Kelvin Cross Sections

58-Ce-138



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Incident Energy (MeV)

58-Ce-138



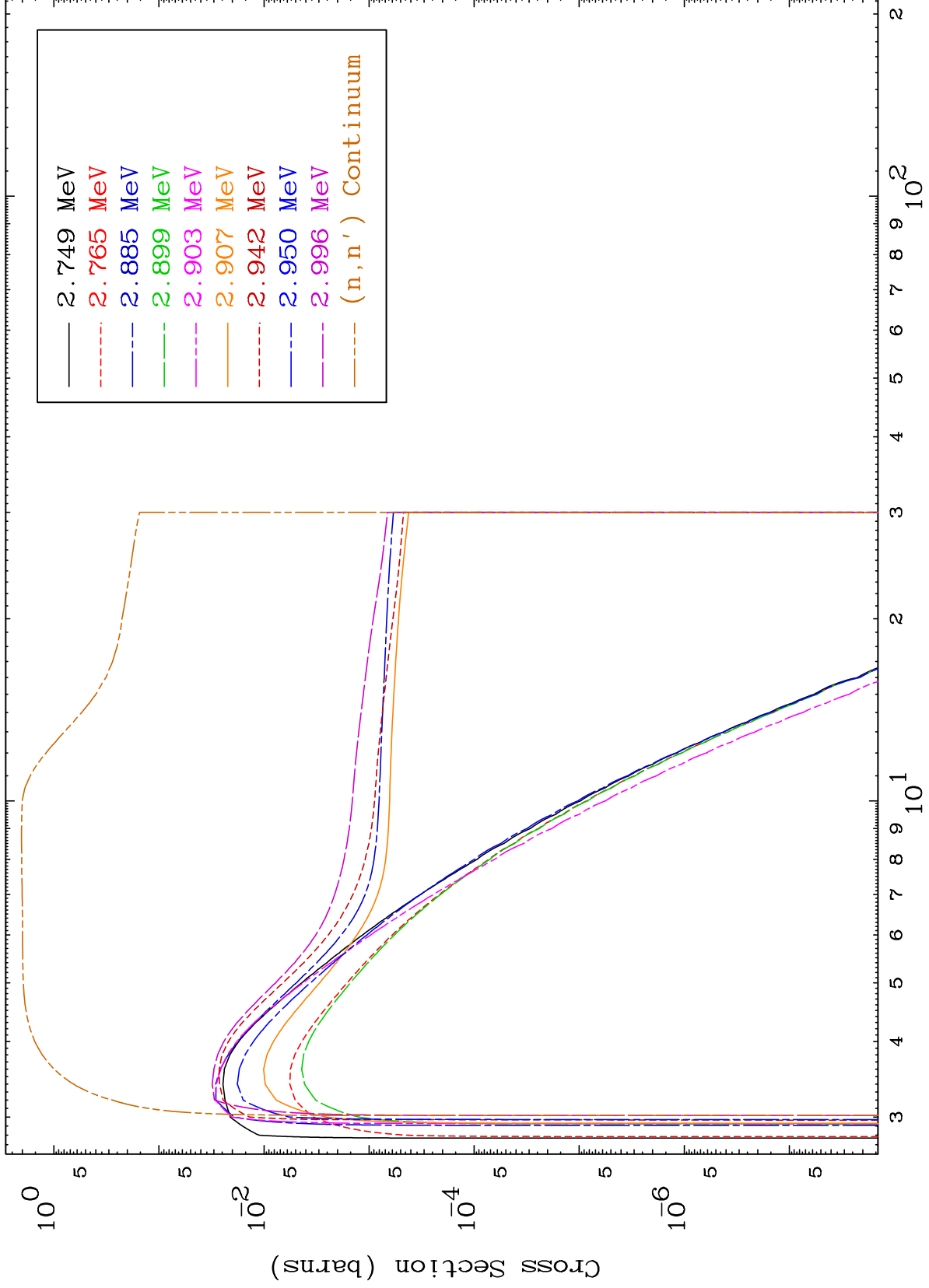


MAT 5831

(n,n') Level

58-Ce-138

293 Kelvin Cross Sections



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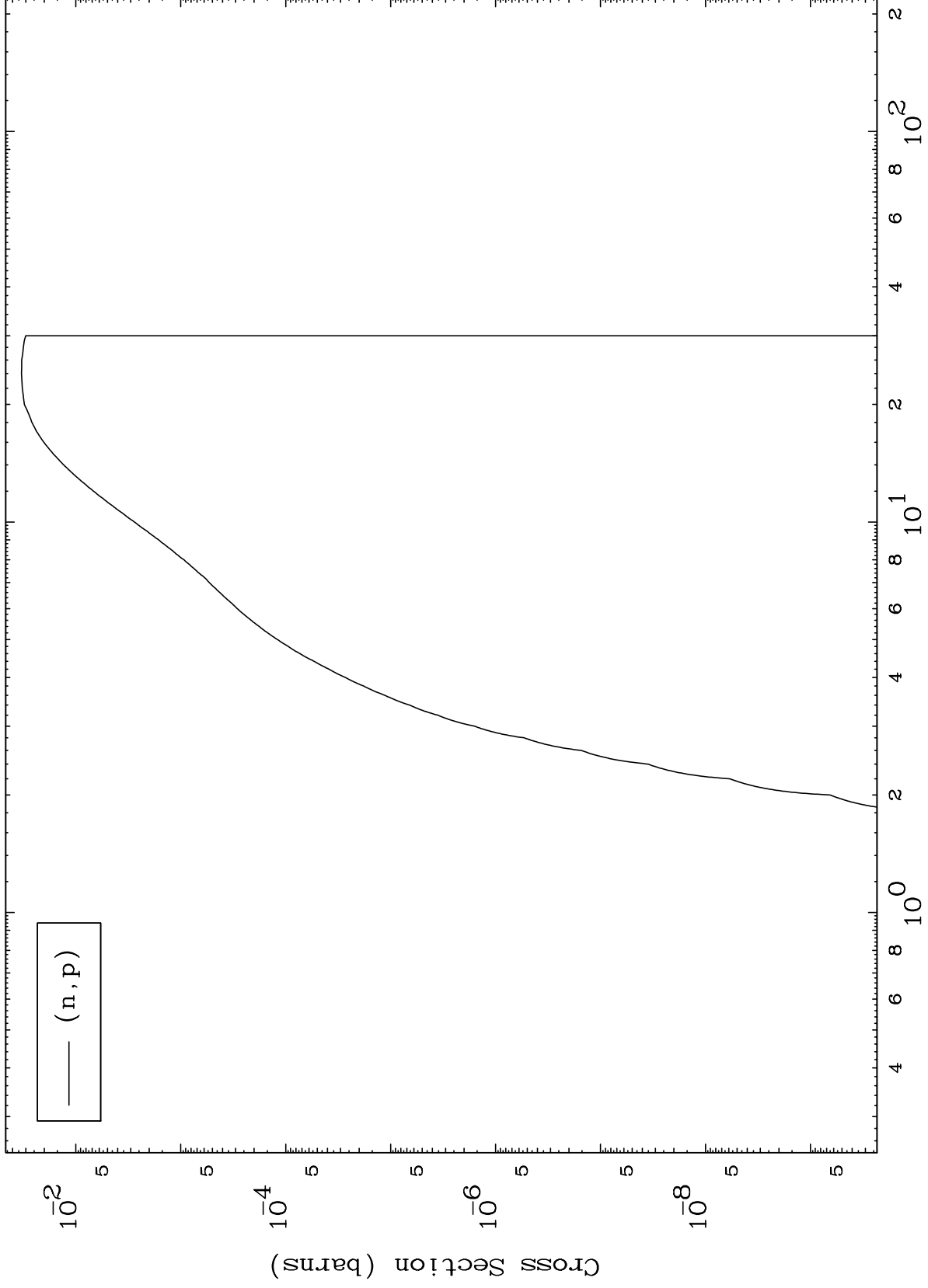
Incident Energy (MeV)

58-Ce-138

MAT 5831

(n,p) Levels  
293 Kelvin Cross Sections

58-Ce-138



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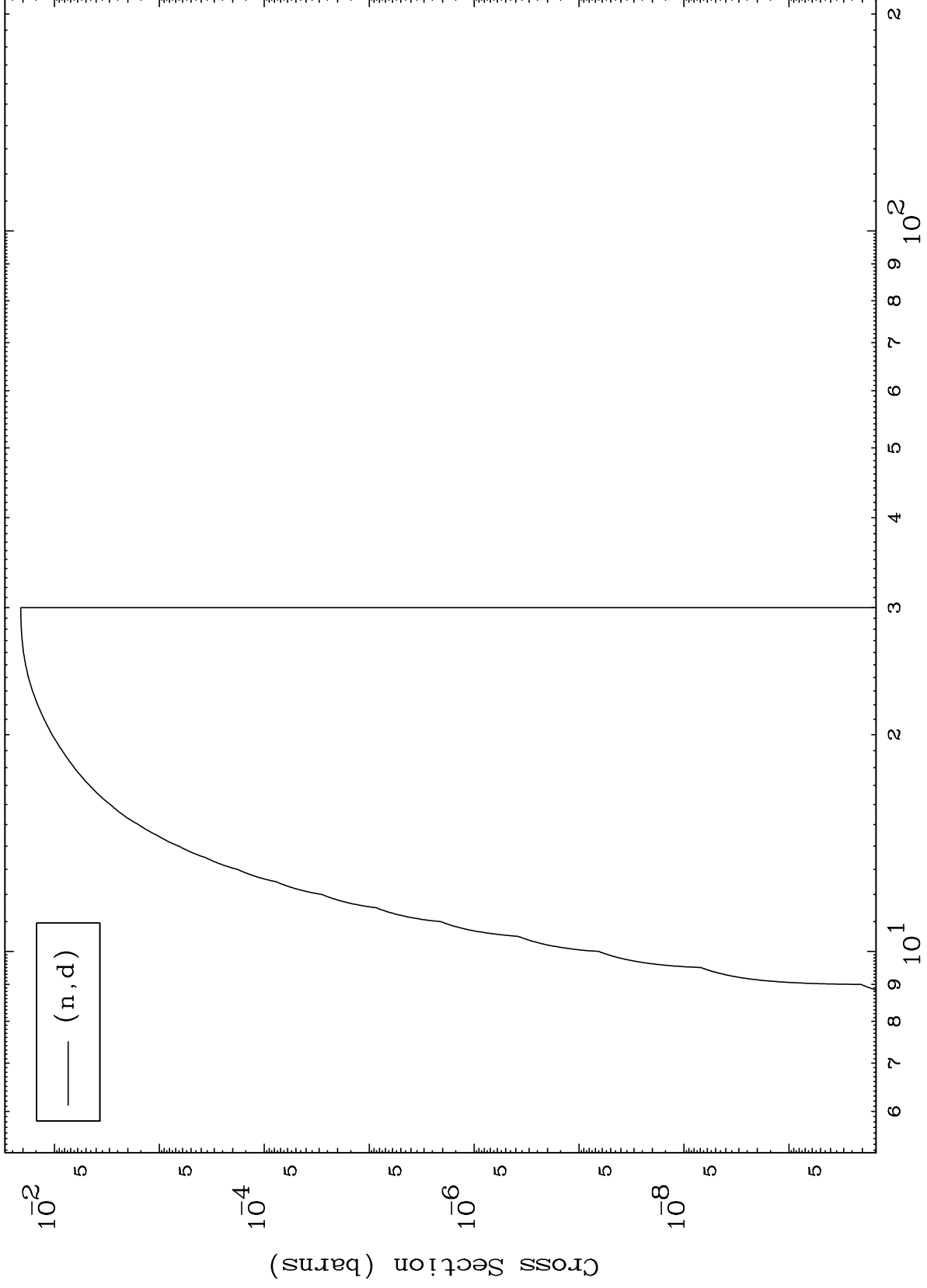
Incident Energy (MeV)

58-Ce-138

MAT 5831

(n,d) Levels  
293 Kelvin Cross Sections

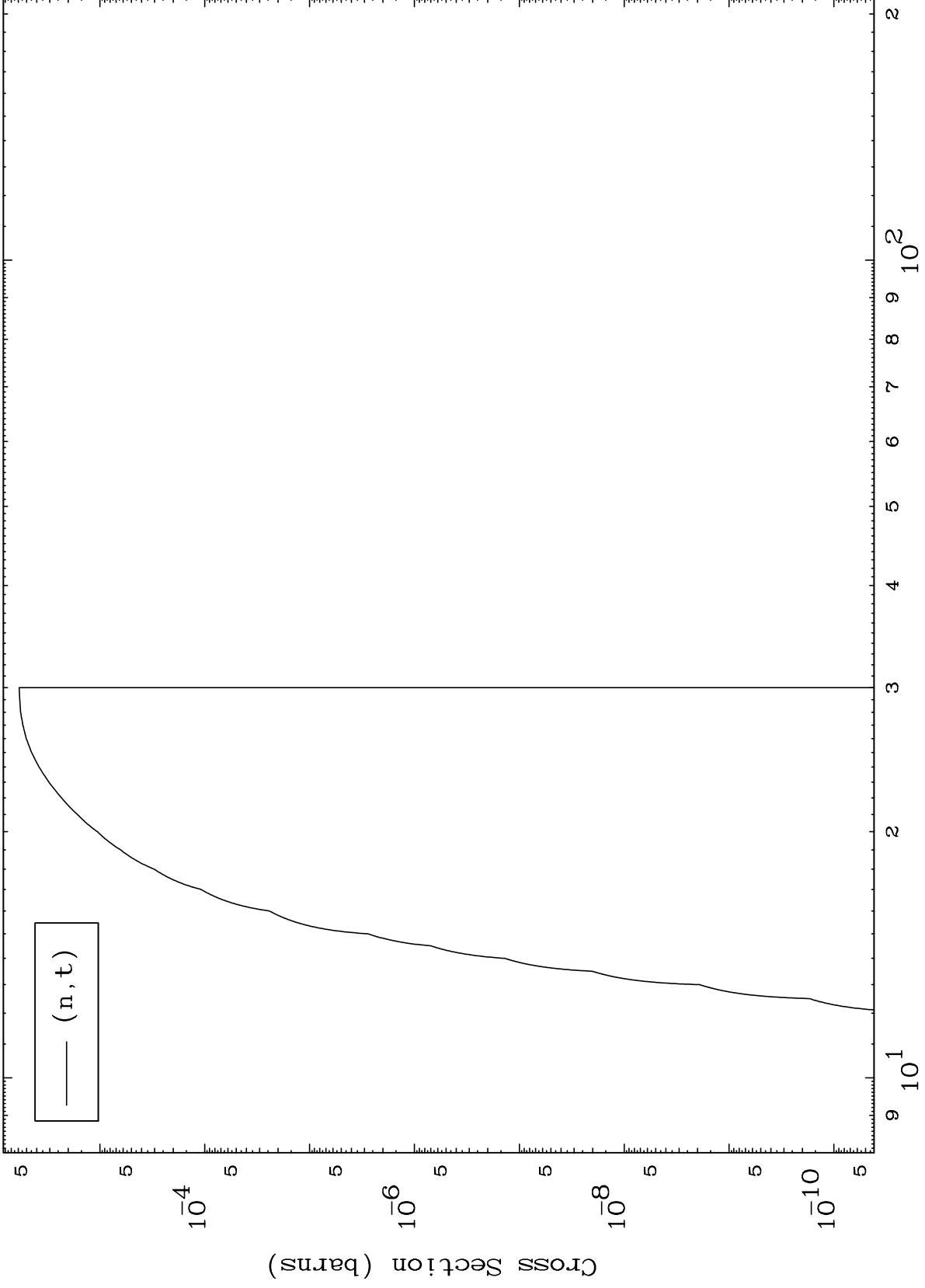
58-Ce-138



MAT 5831

(n,t) Levels  
293 Kelvin Cross Sections

58-Ce-138



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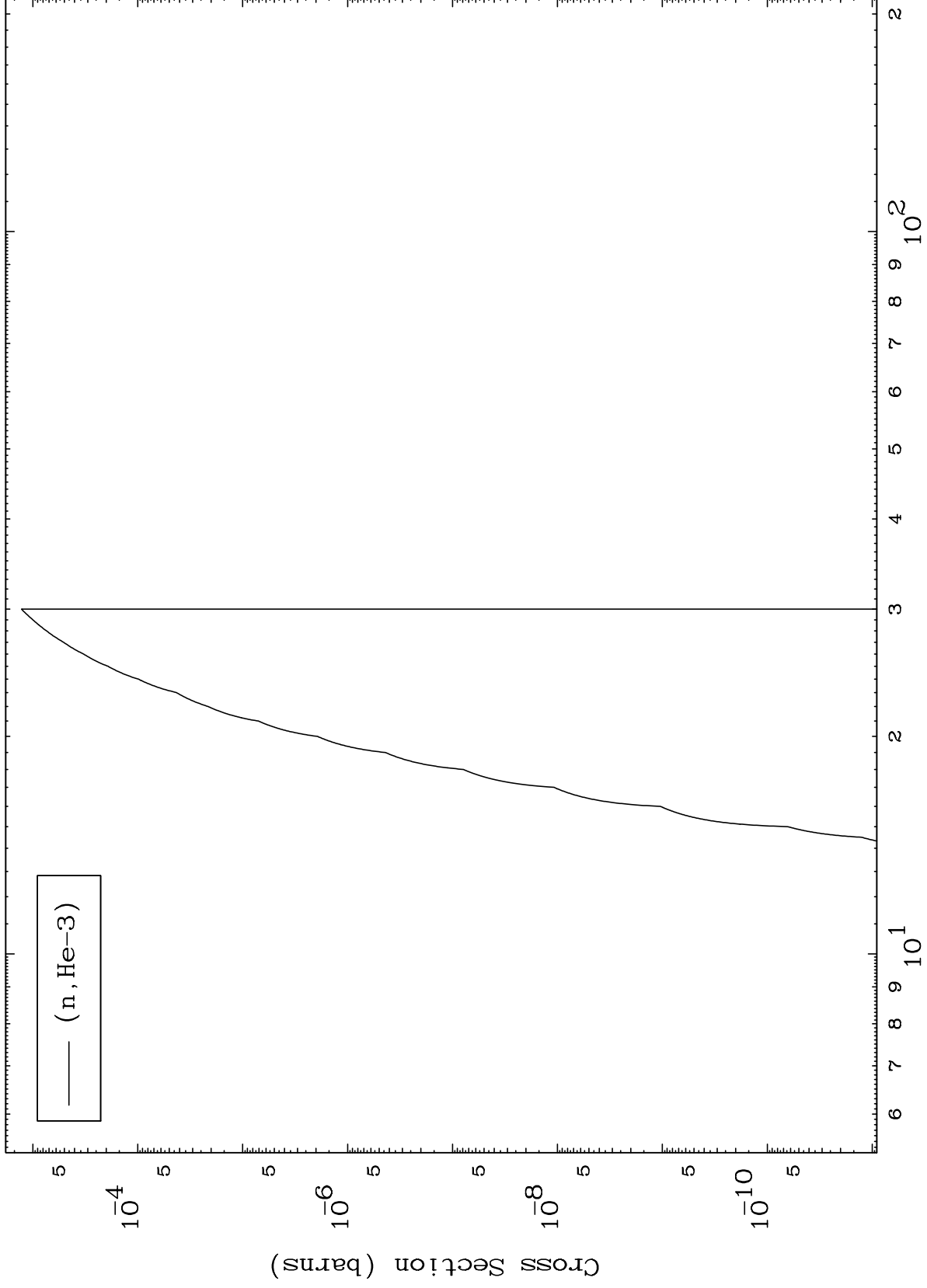
Incident Energy (MeV)

58-Ce-138

MAT 5831

(n,He3) Levels  
293 Kelvin Cross Sections

58-Ce-138



13

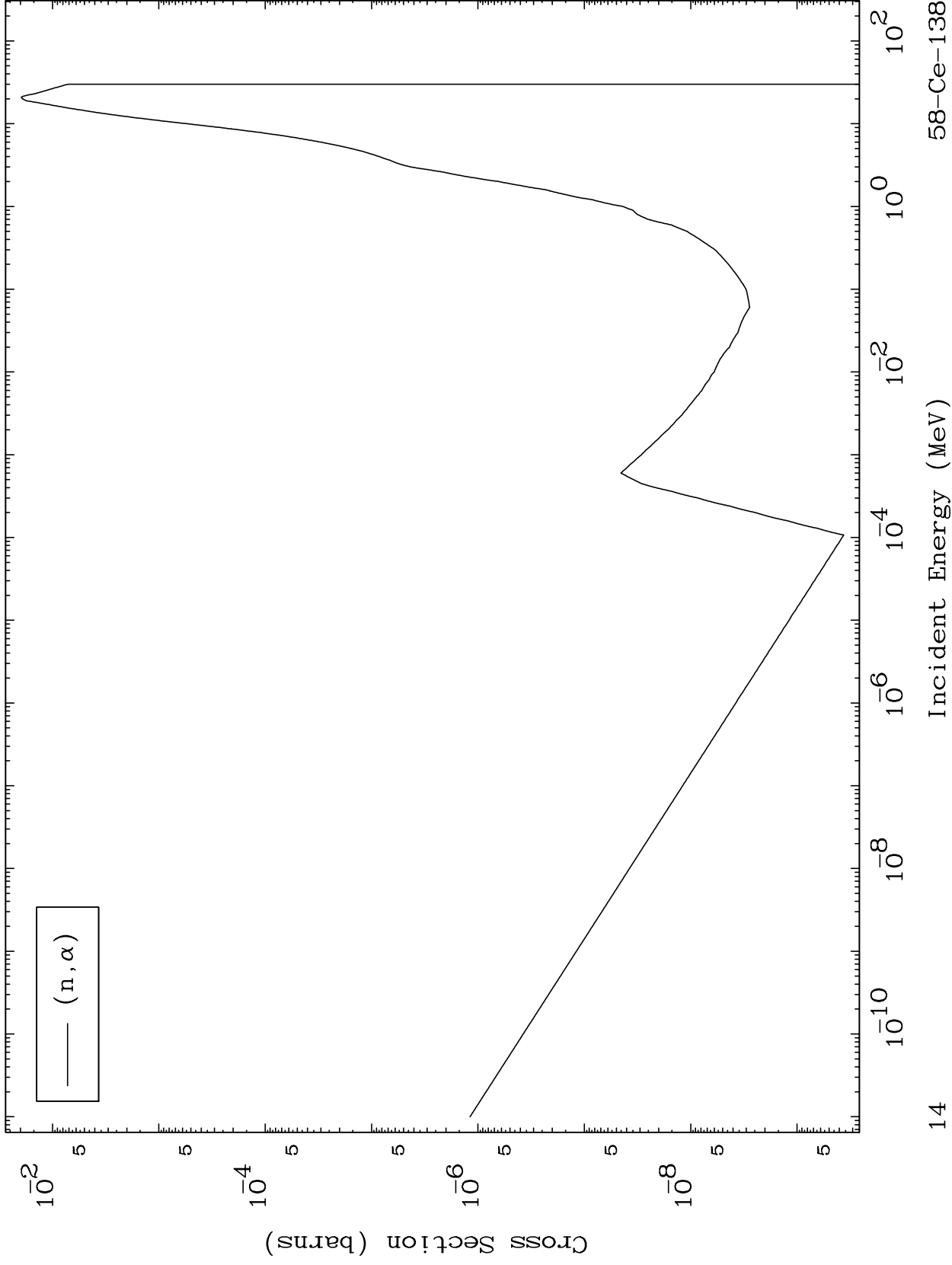
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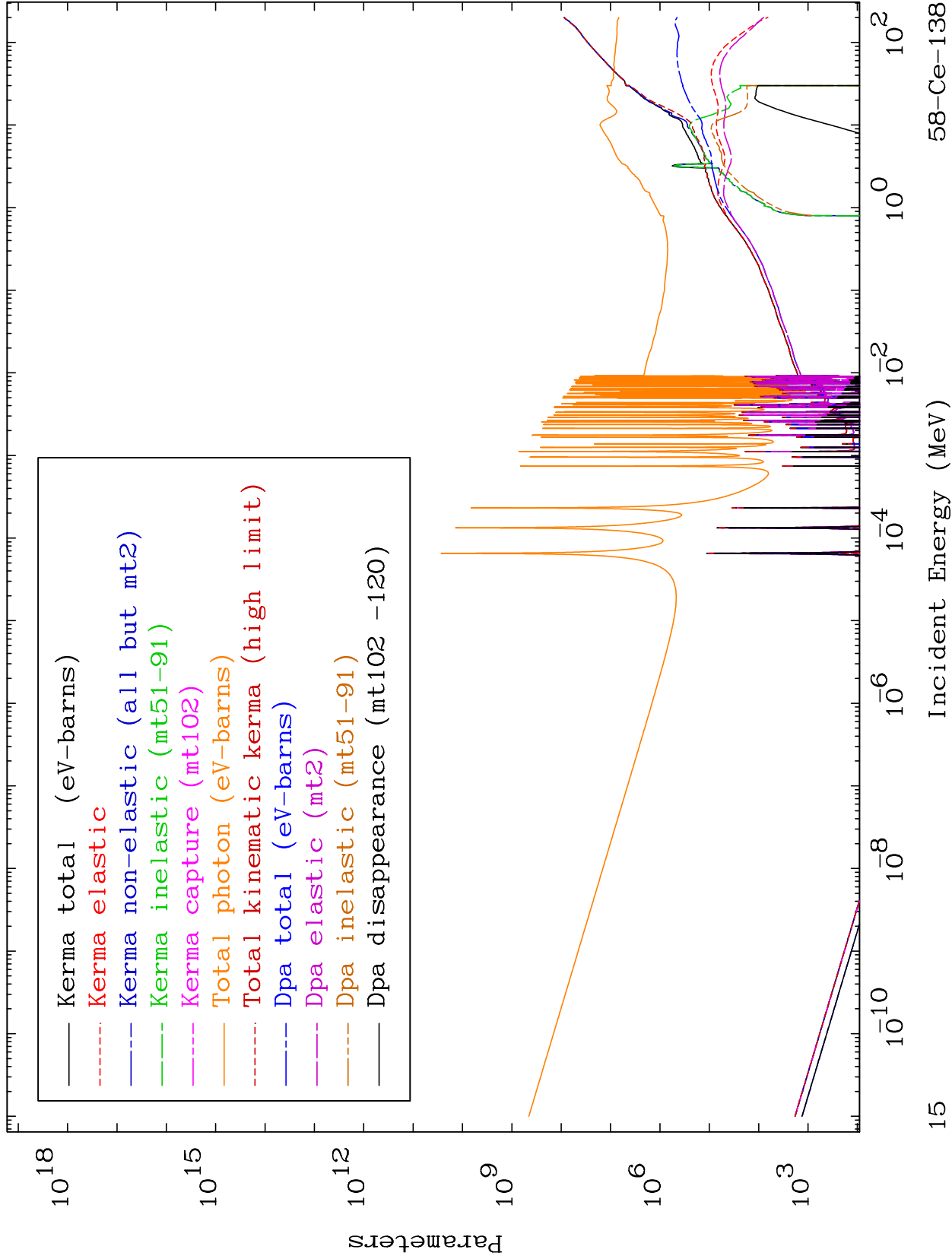
58-Ce-138

MAT 5831

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

58-Ce-138



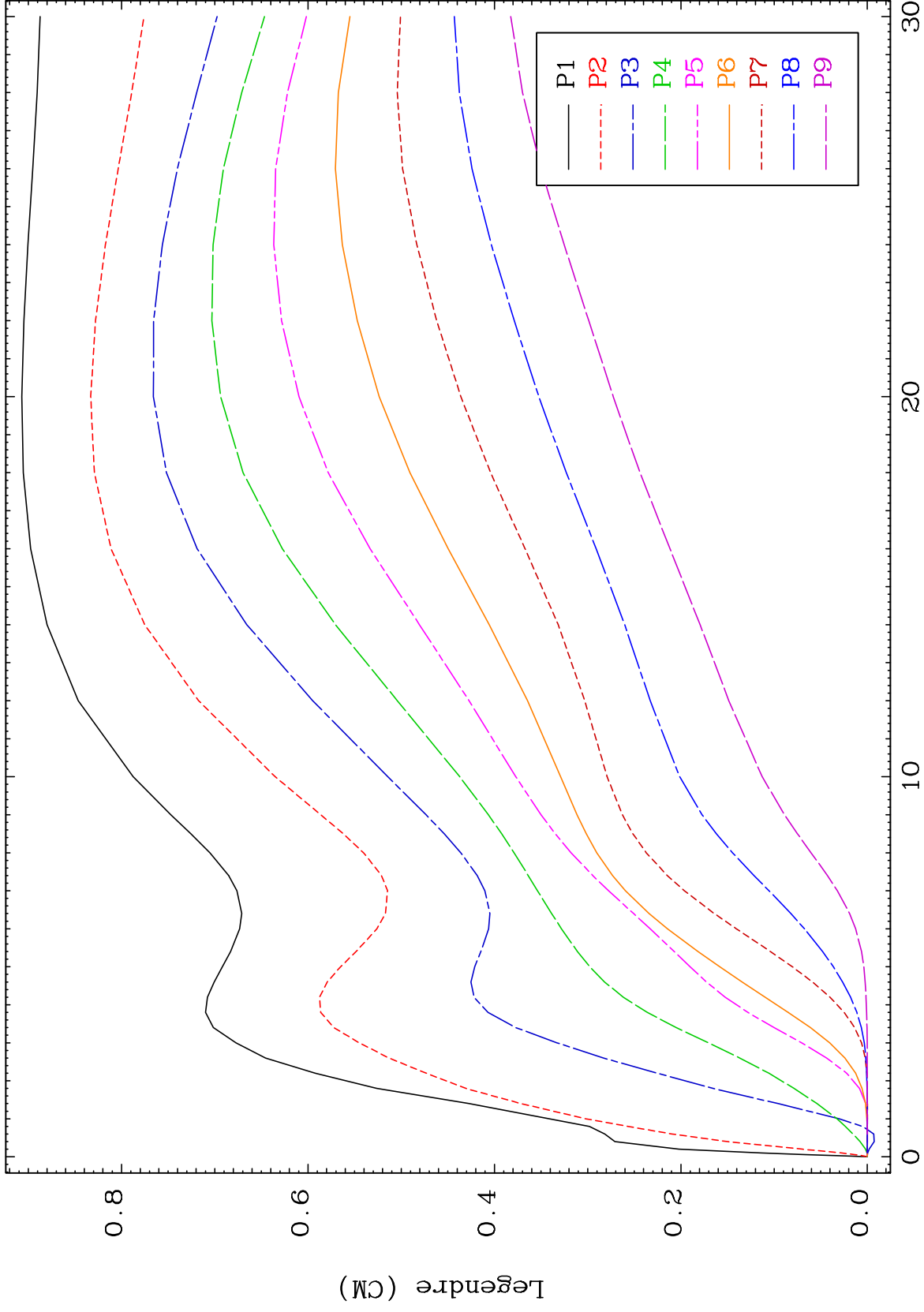




MAT 5831

Elastic Legendre Coefficients

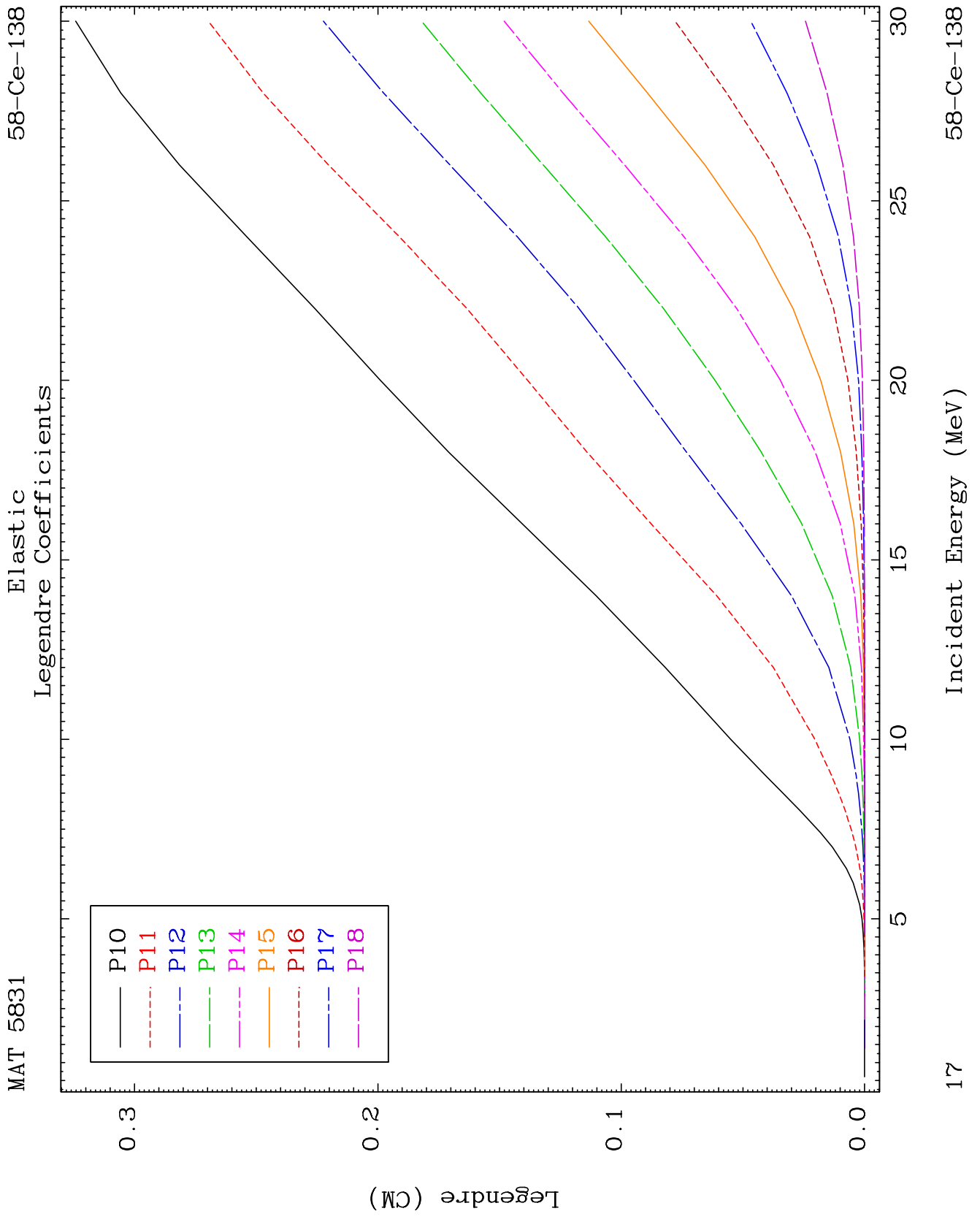
58-Ce-138



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Incident Energy (MeV)

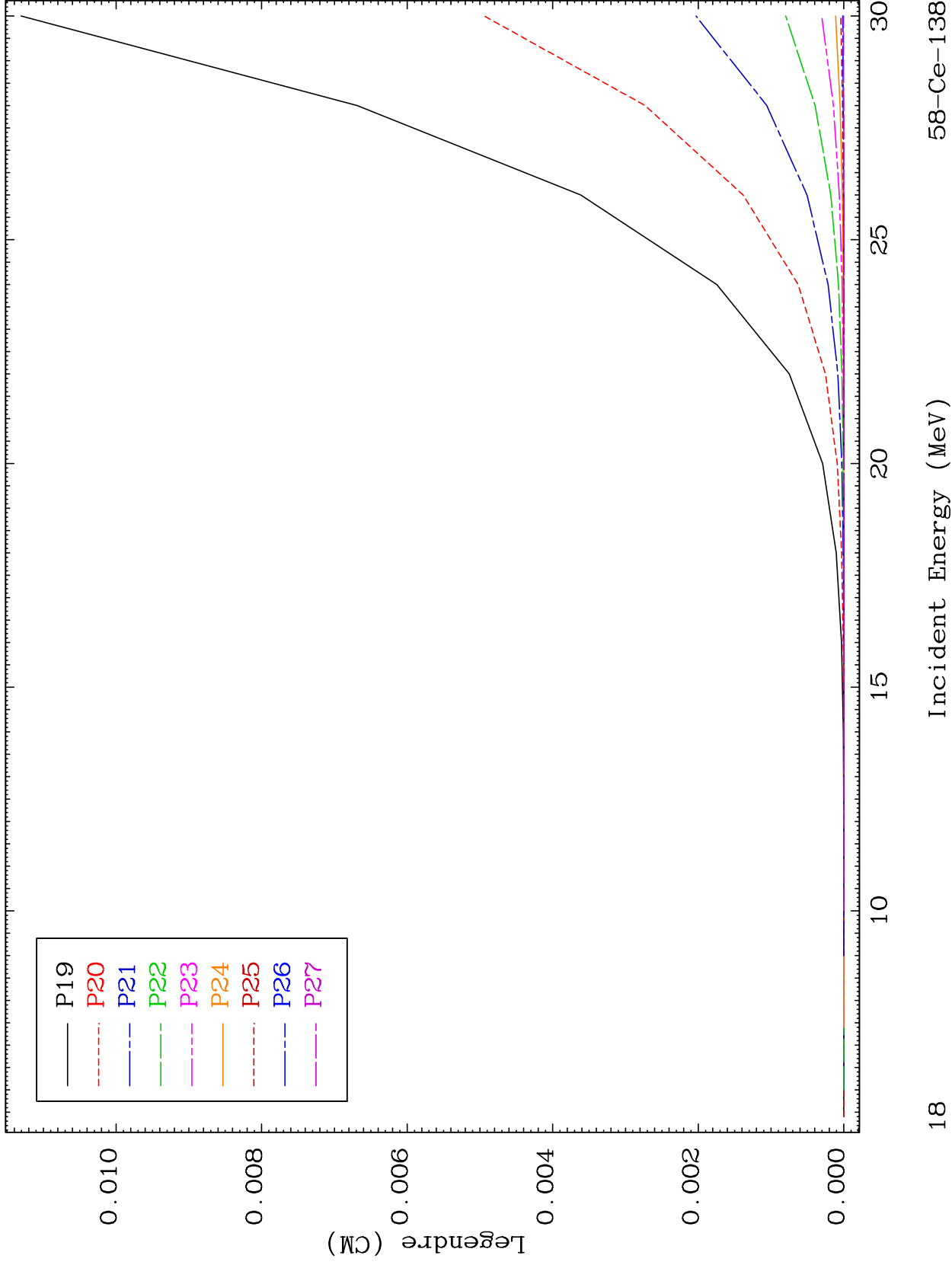
58-Ce-138



MAT 5831

### Elastic Legendre Coefficients

58-Ce-138



18

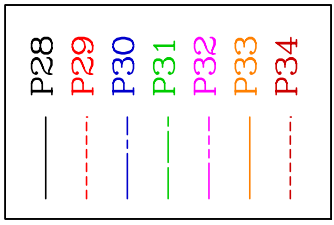
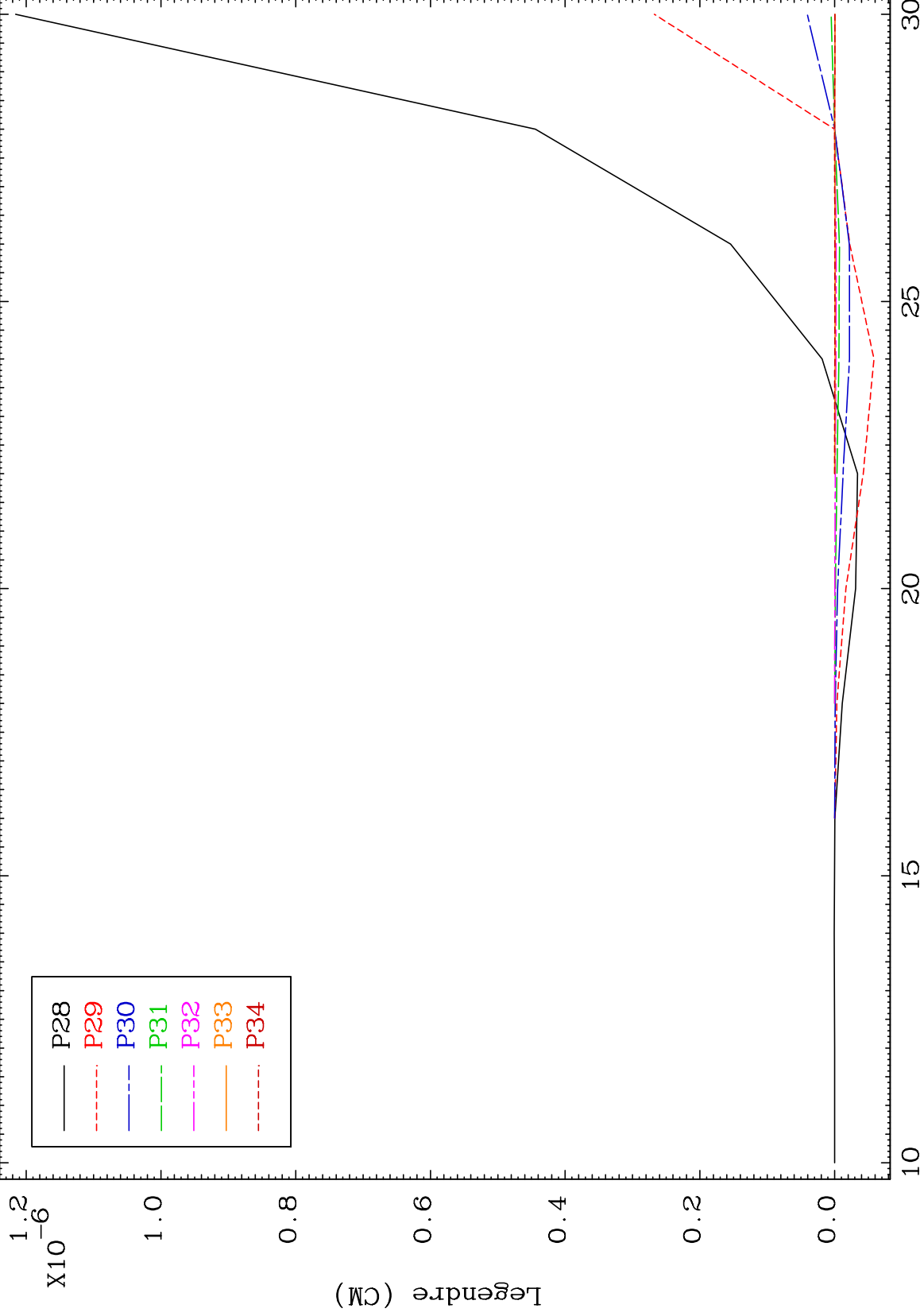
Incident Energy (MeV)

58-Ce-138

MAT 5831

Elastic Legendre Coefficients

58-Ce-138



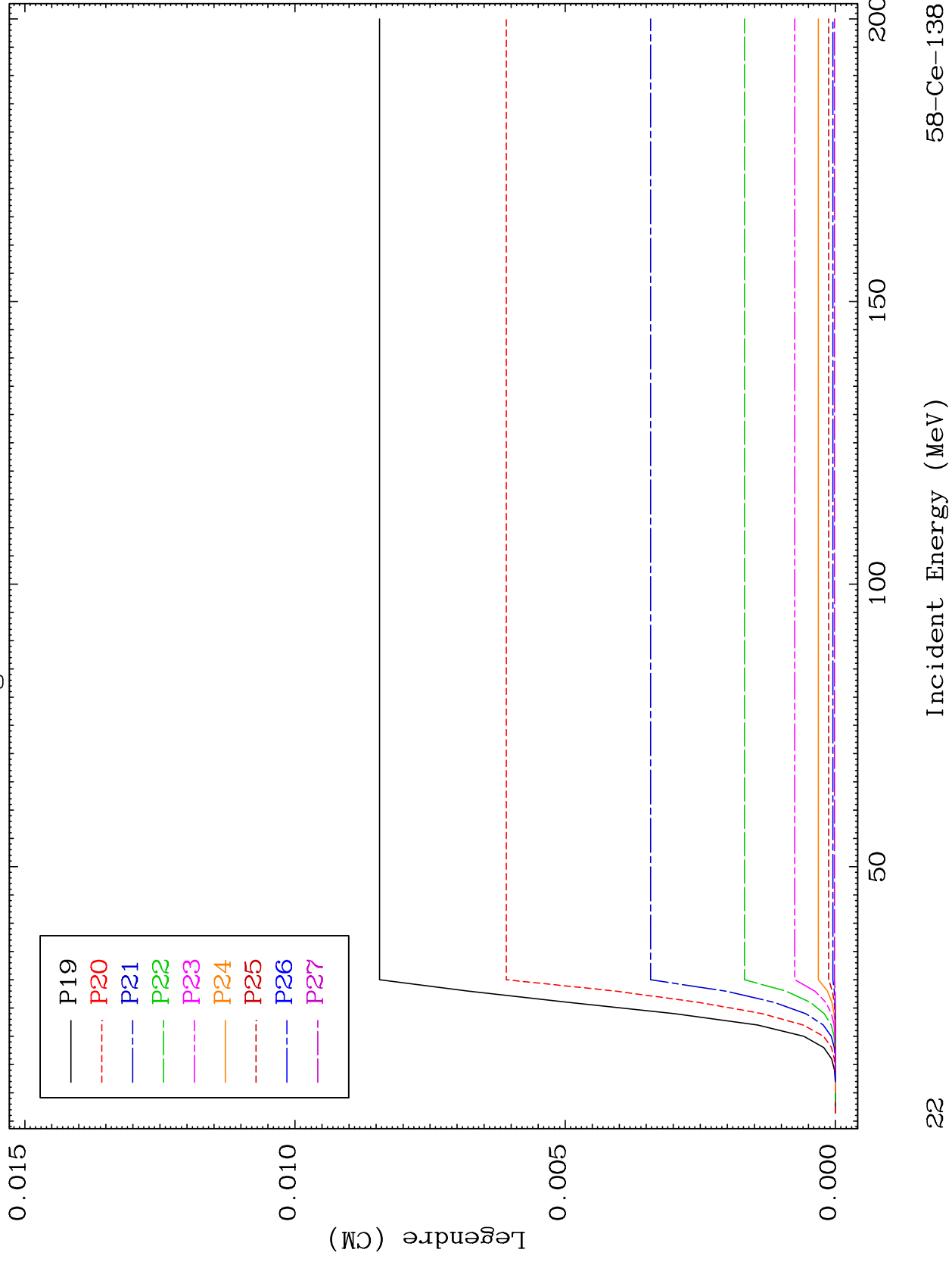




MAT 5831

788.7 keV (n,n') Level  
Legendre Coefficients

58-Ce-138



22

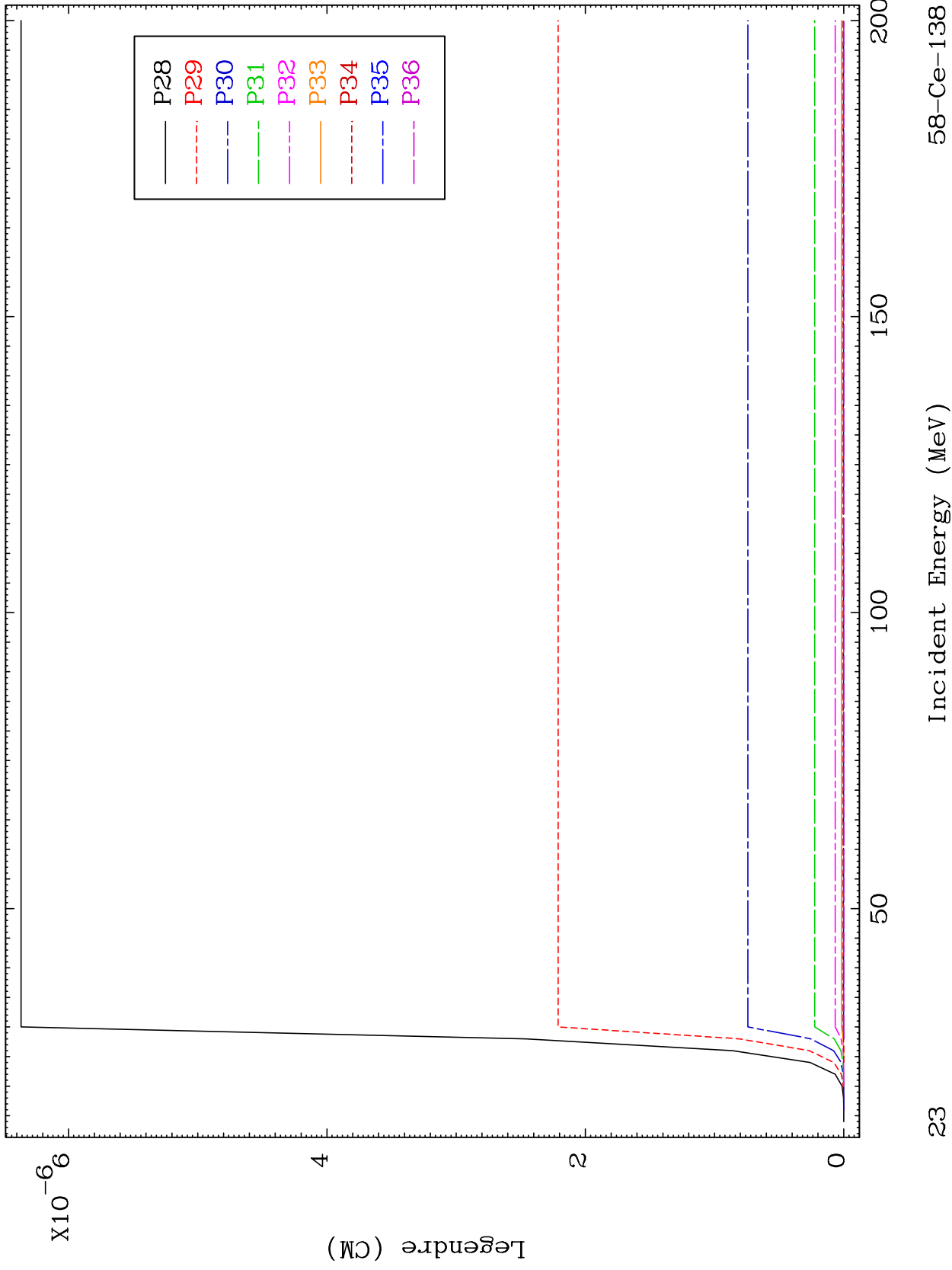
Incident Energy (MeV)

58-Ce-138

MAT 5831

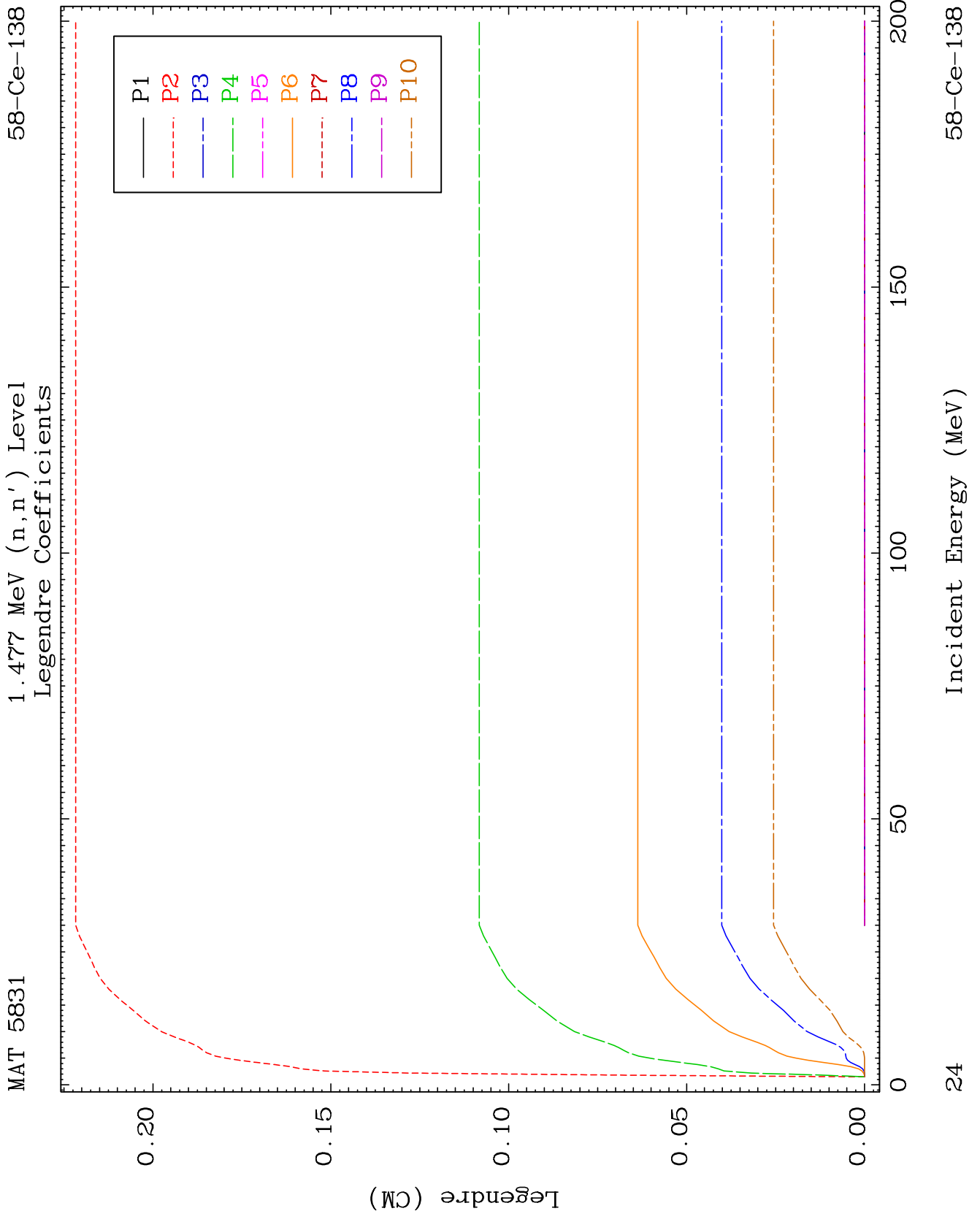
788.7 keV (n,n') Level  
Legendre Coefficients

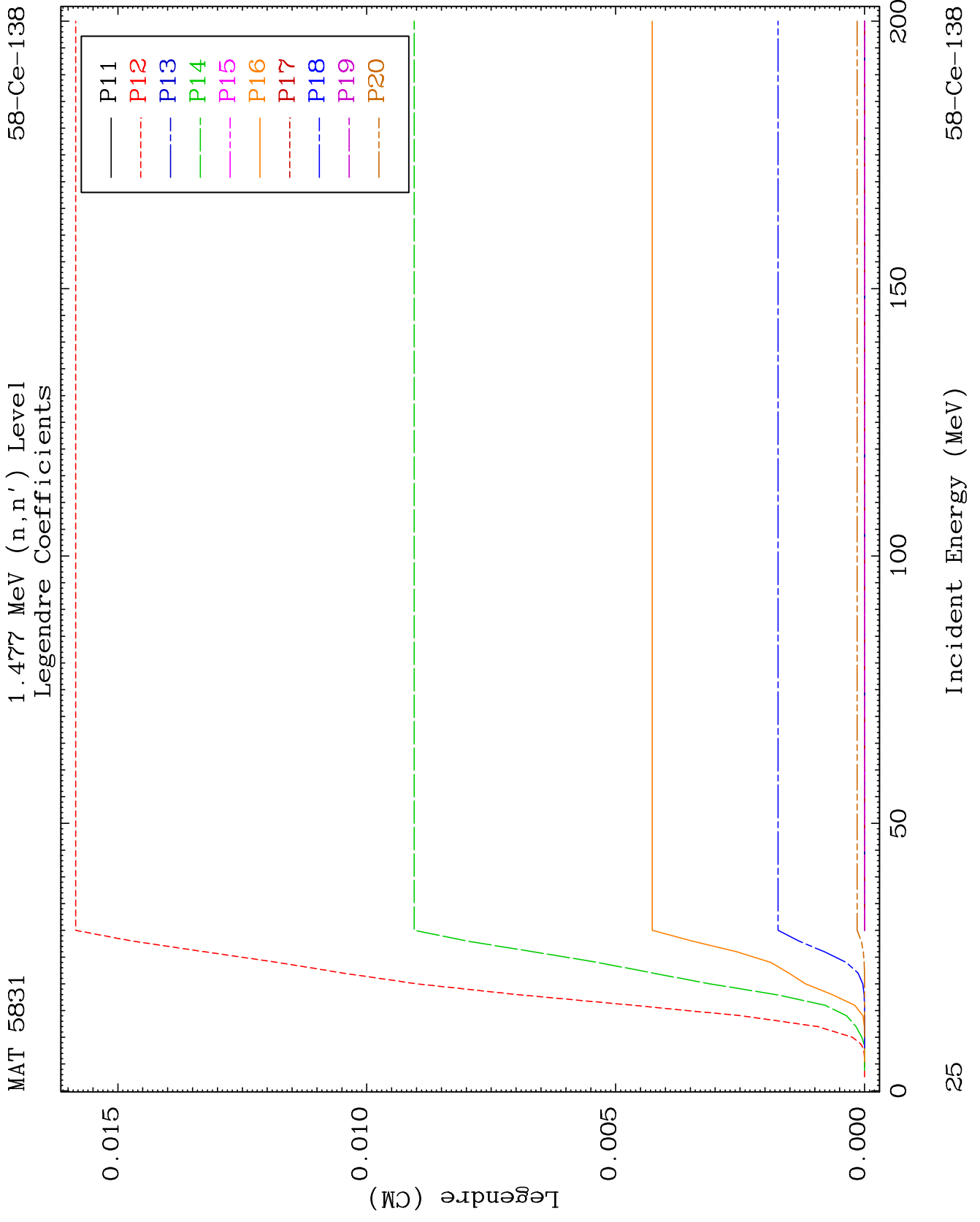
58-Ce-138

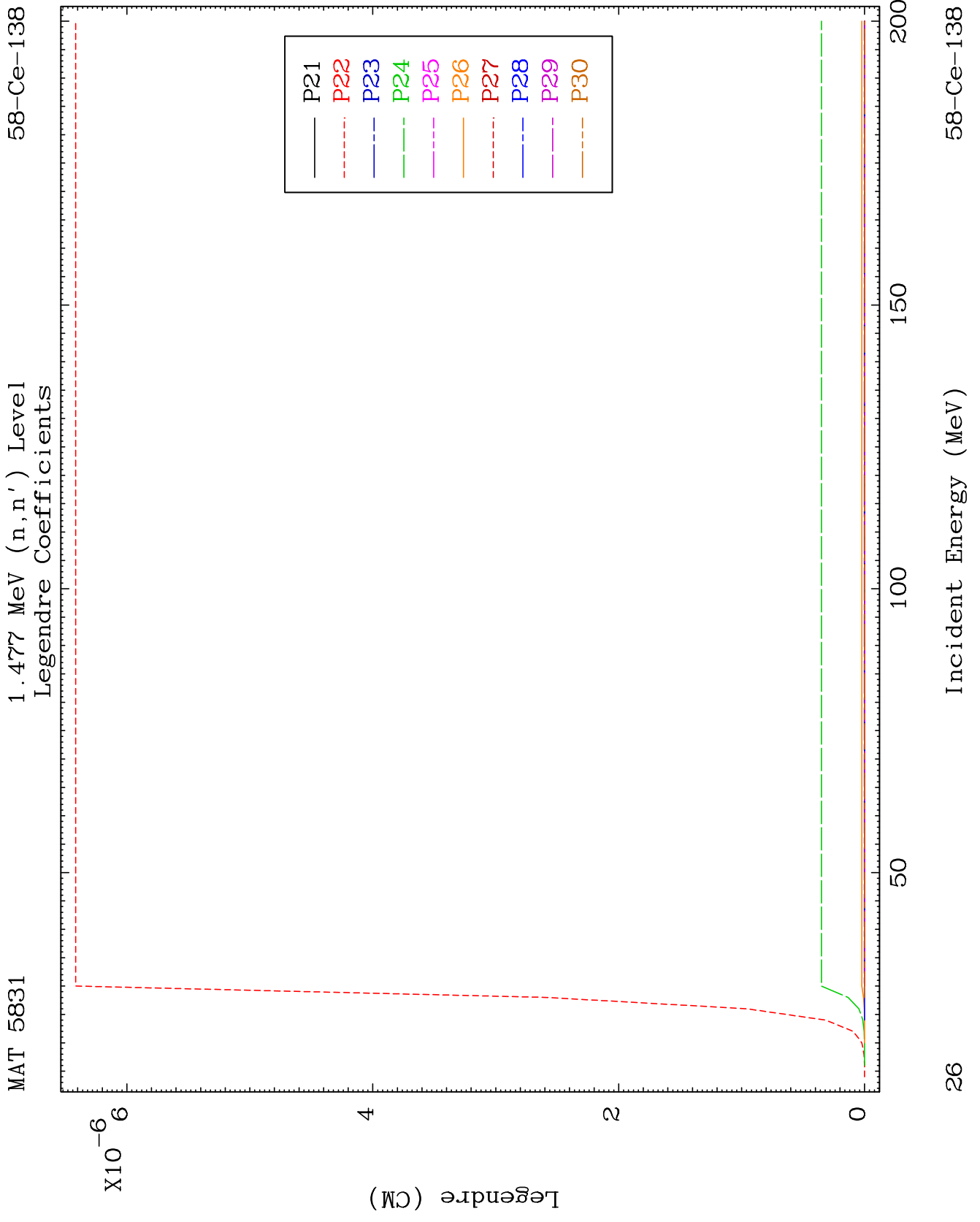


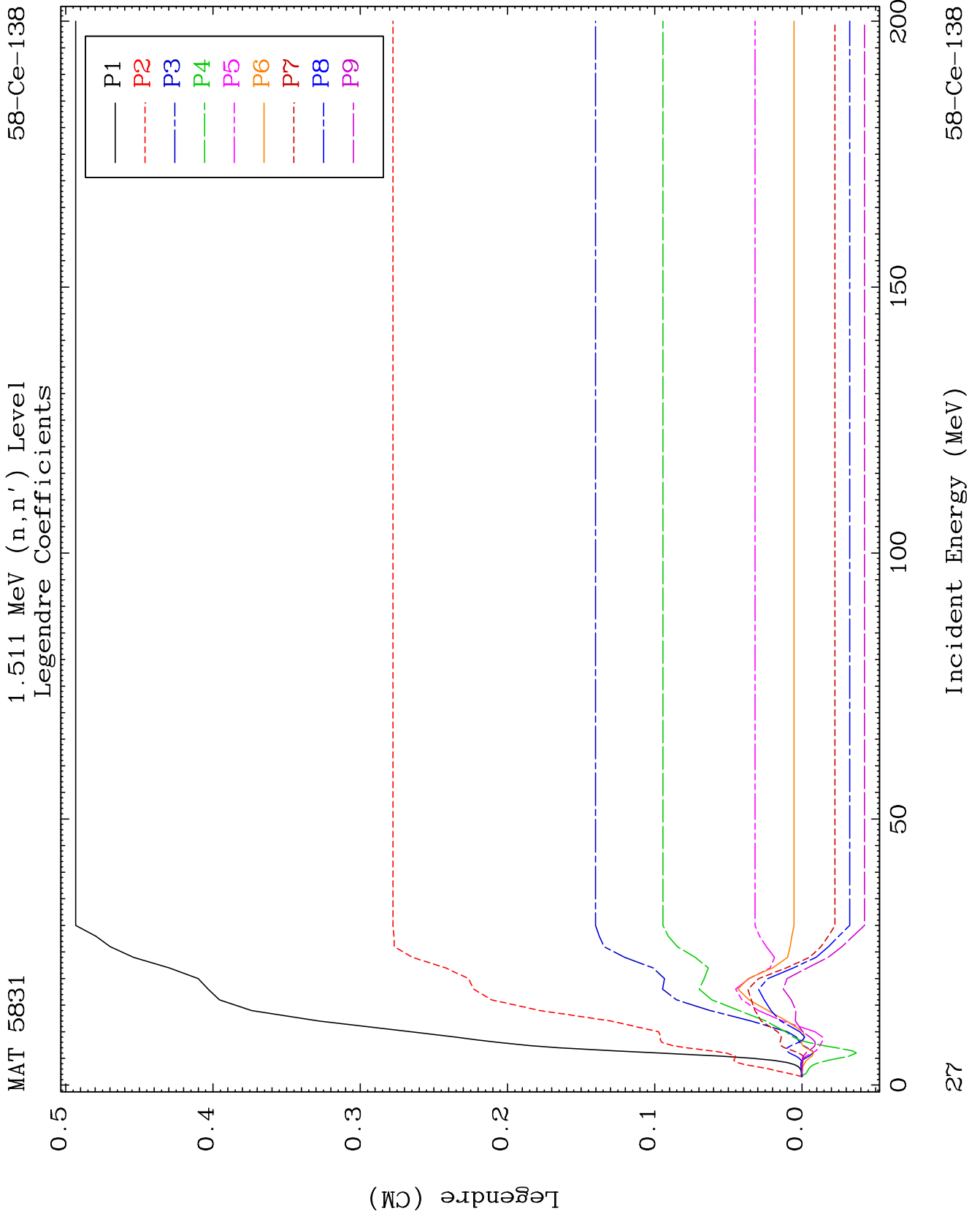
23

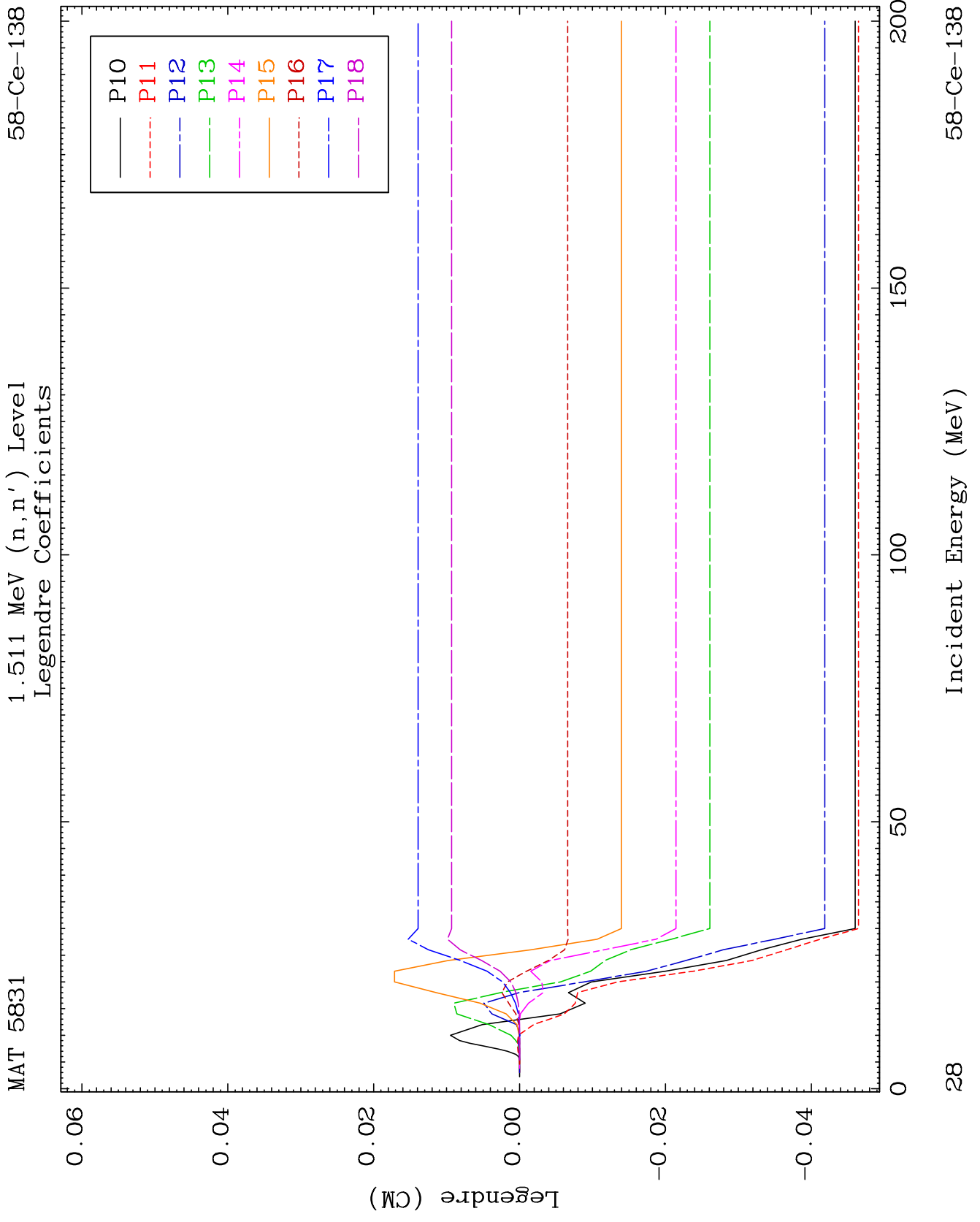


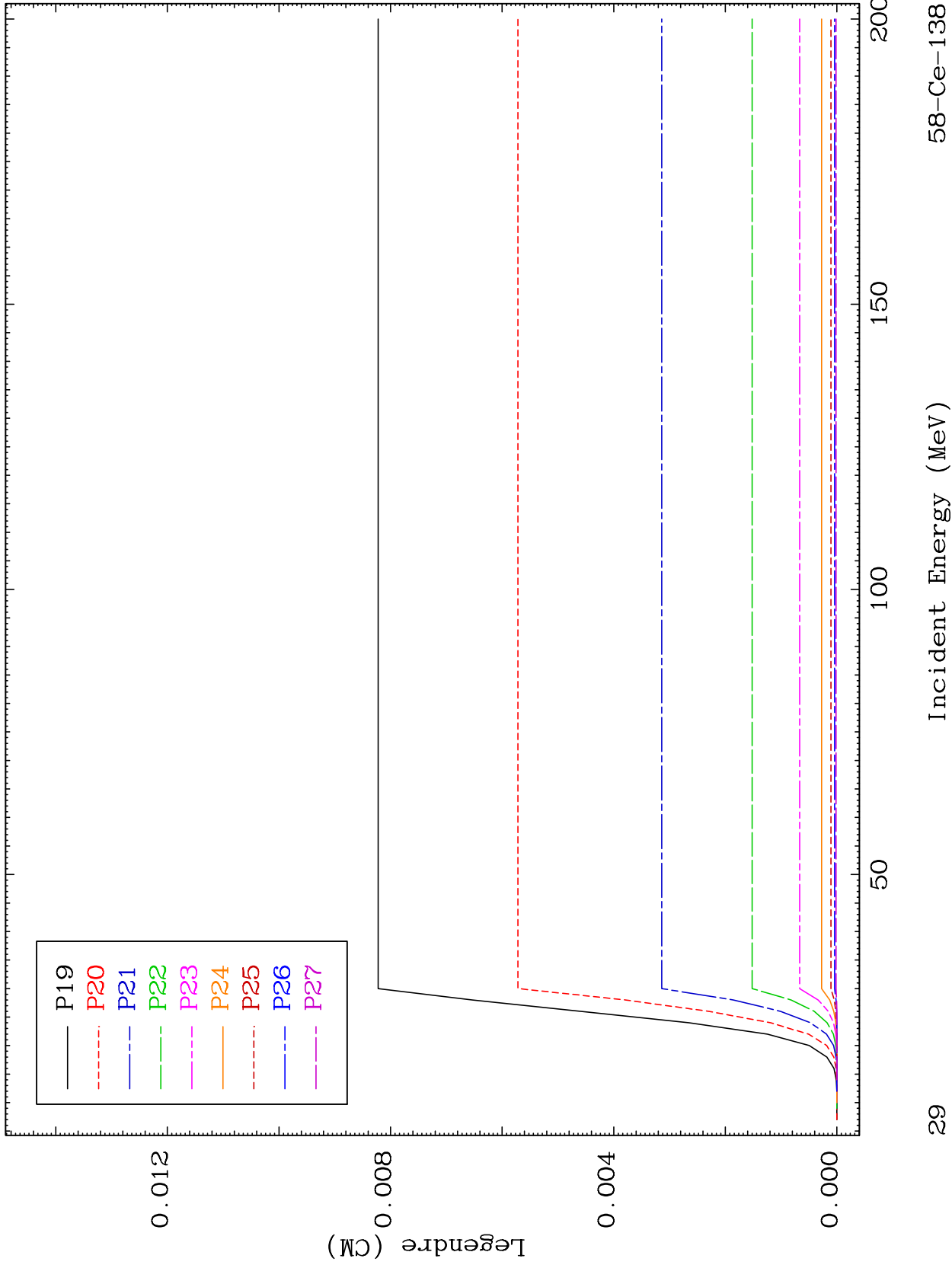


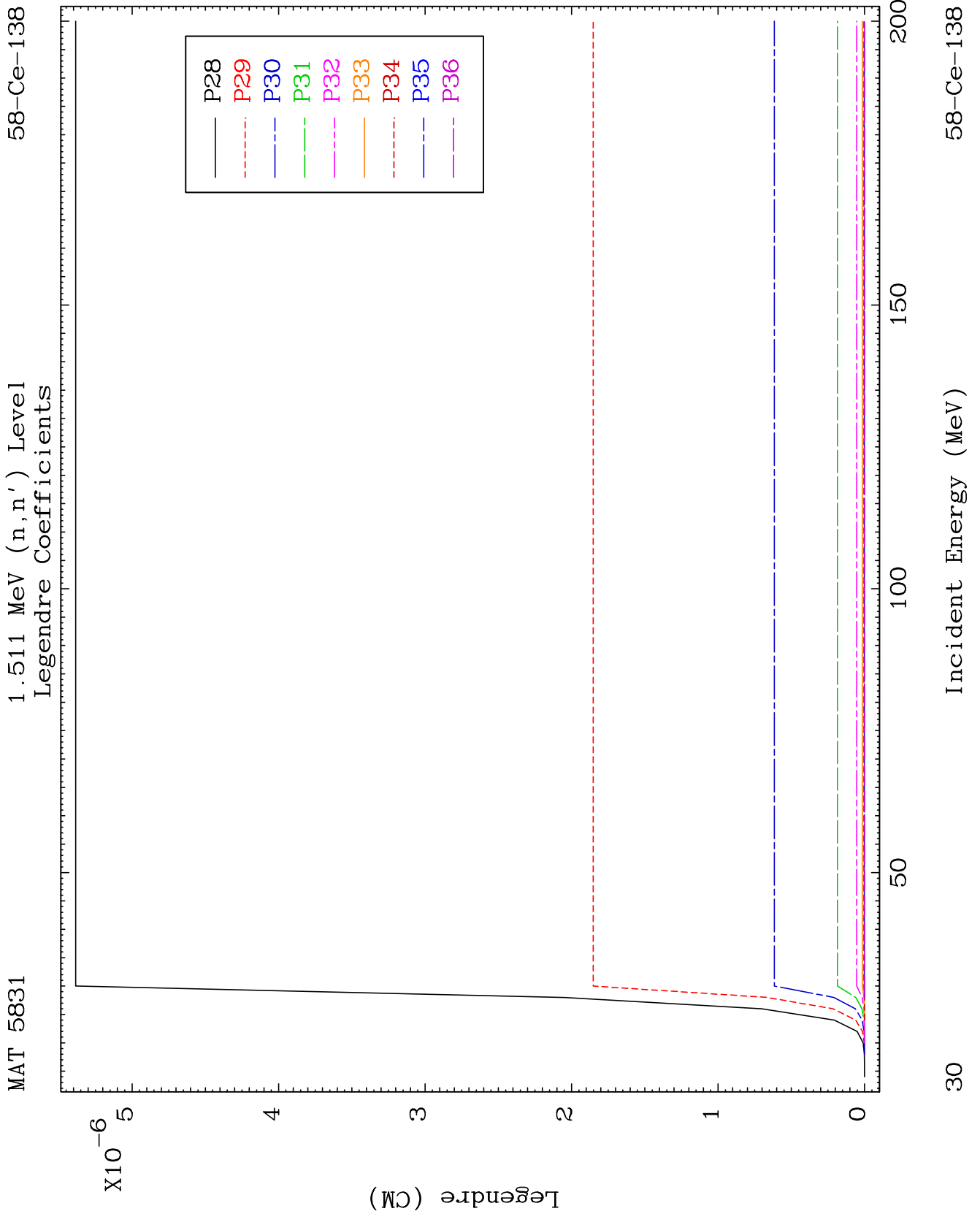


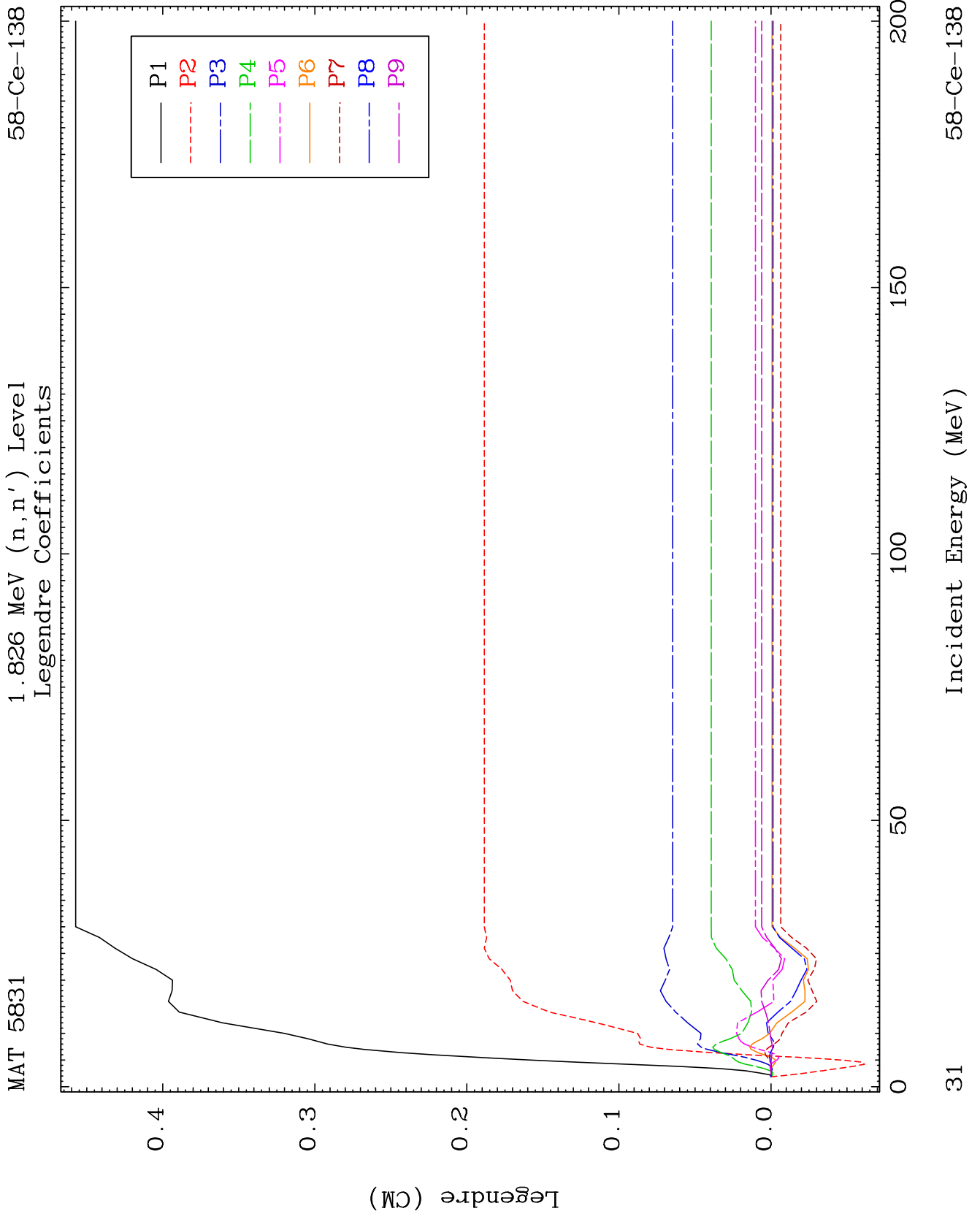










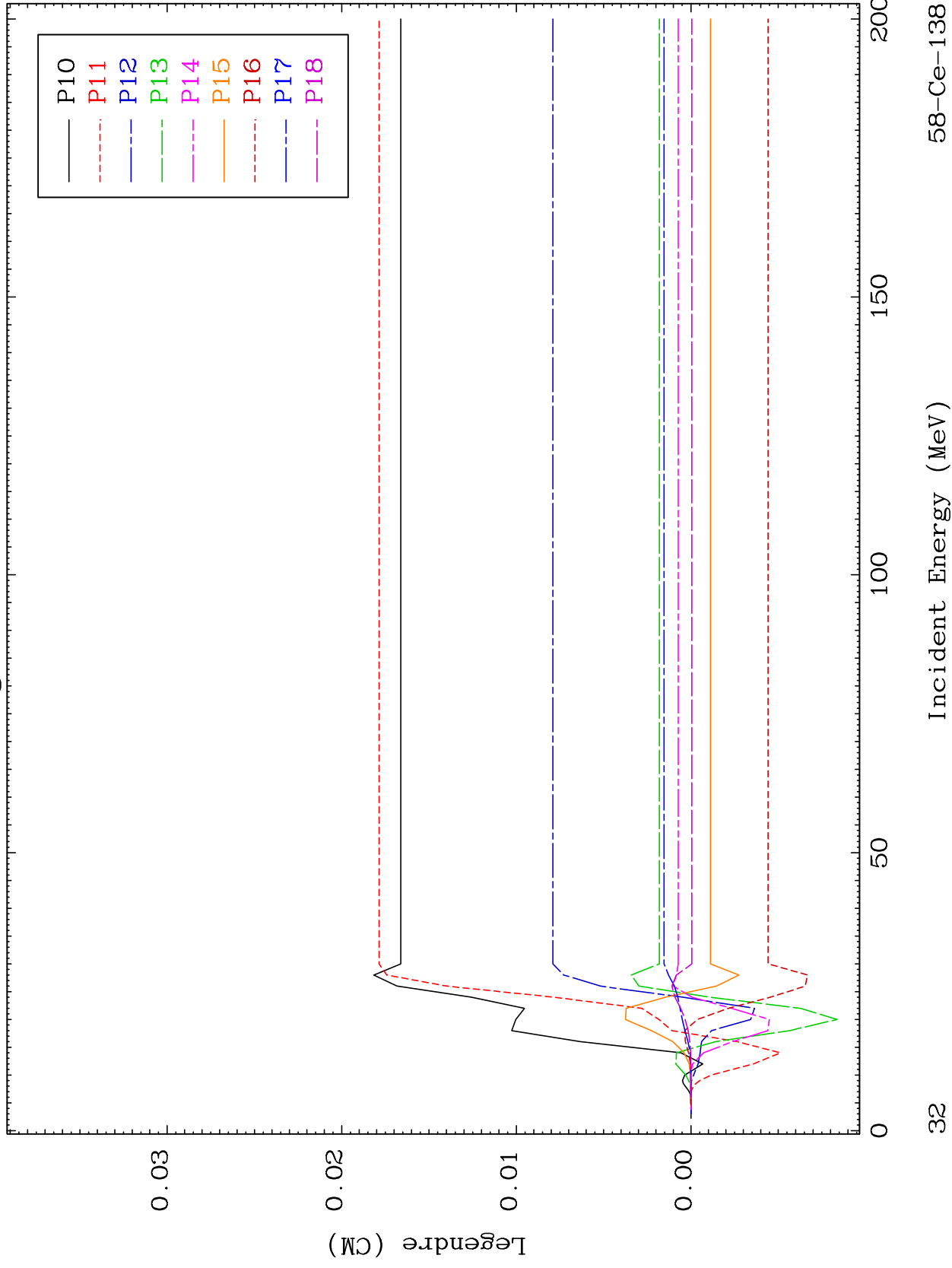




MAT 5831

1.826 MeV (n,n') Level  
Legendre Coefficients

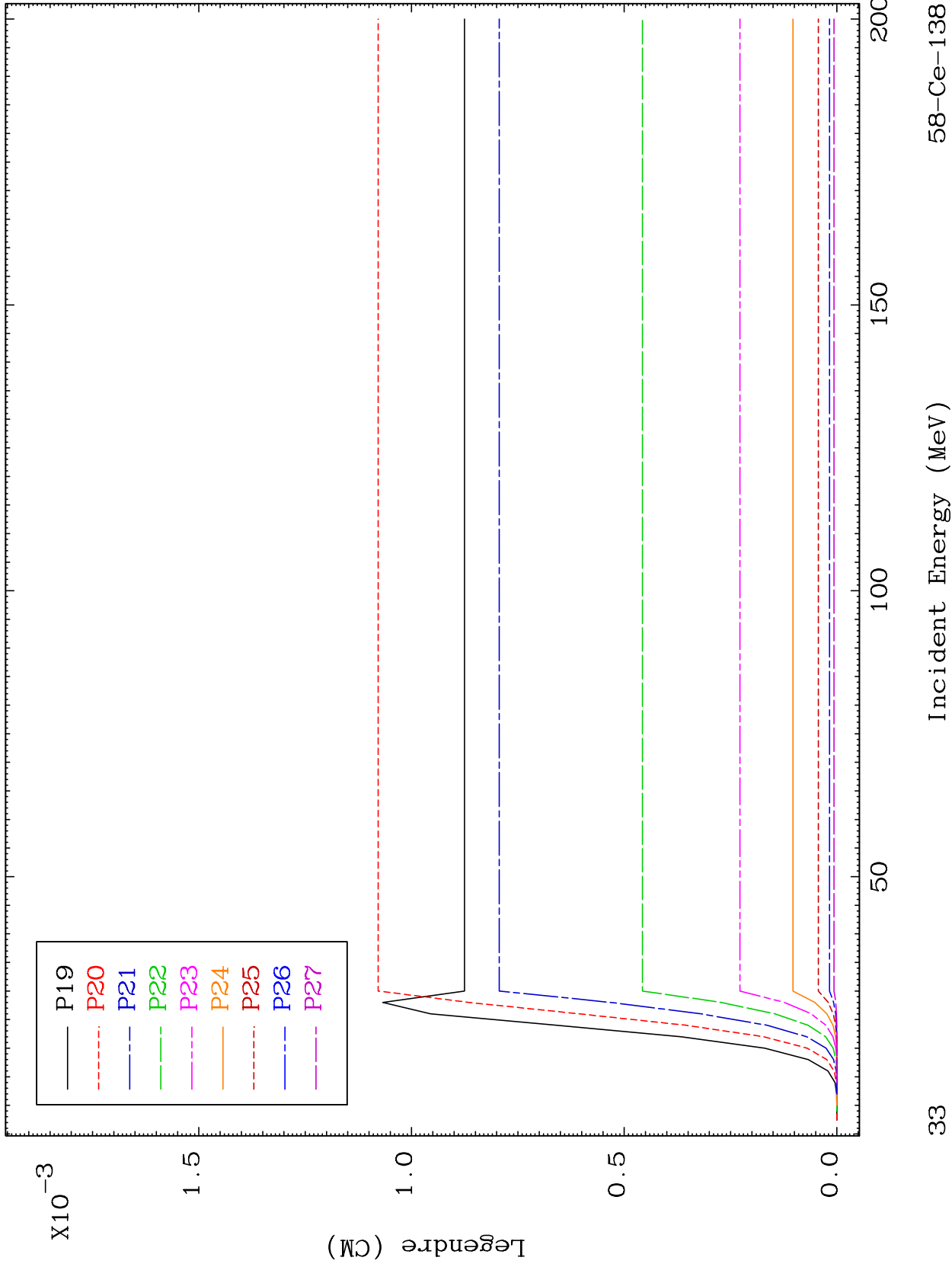
58-Ce-138



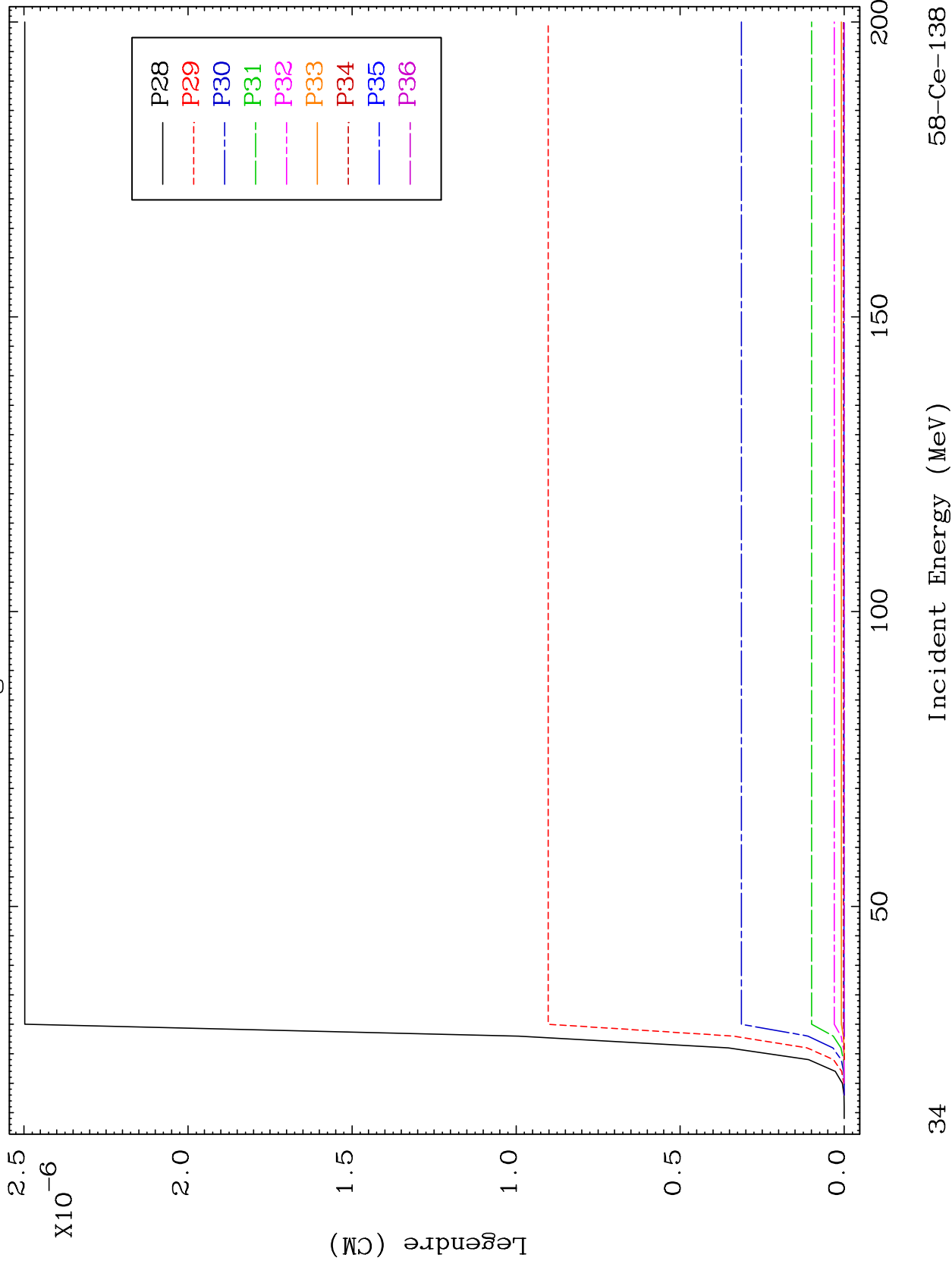
58-Ce-138

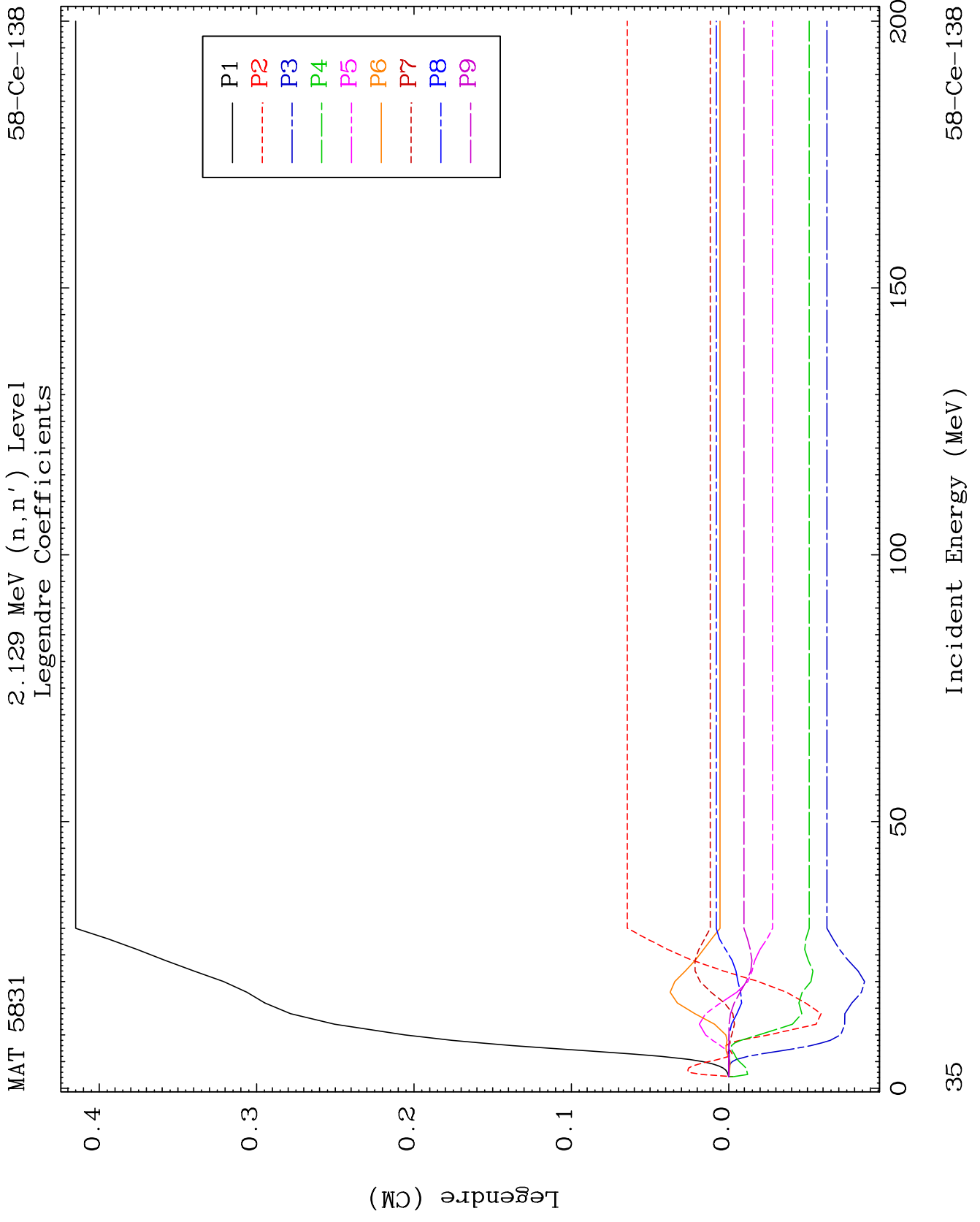
Incident Energy (MeV)

32



Legendre Coefficients

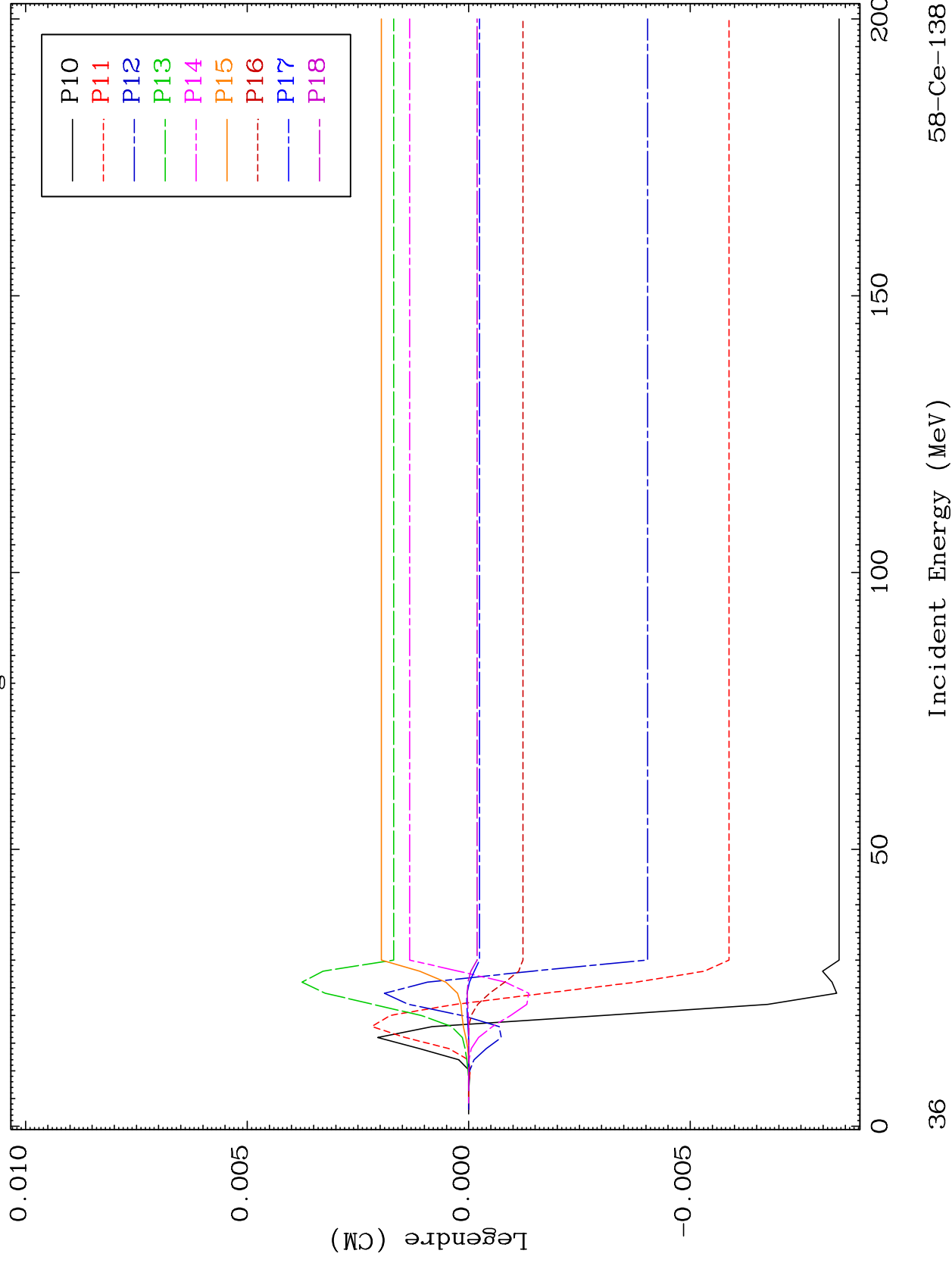




MAT 5831

2.129 MeV (n,n') Level  
Legendre Coefficients

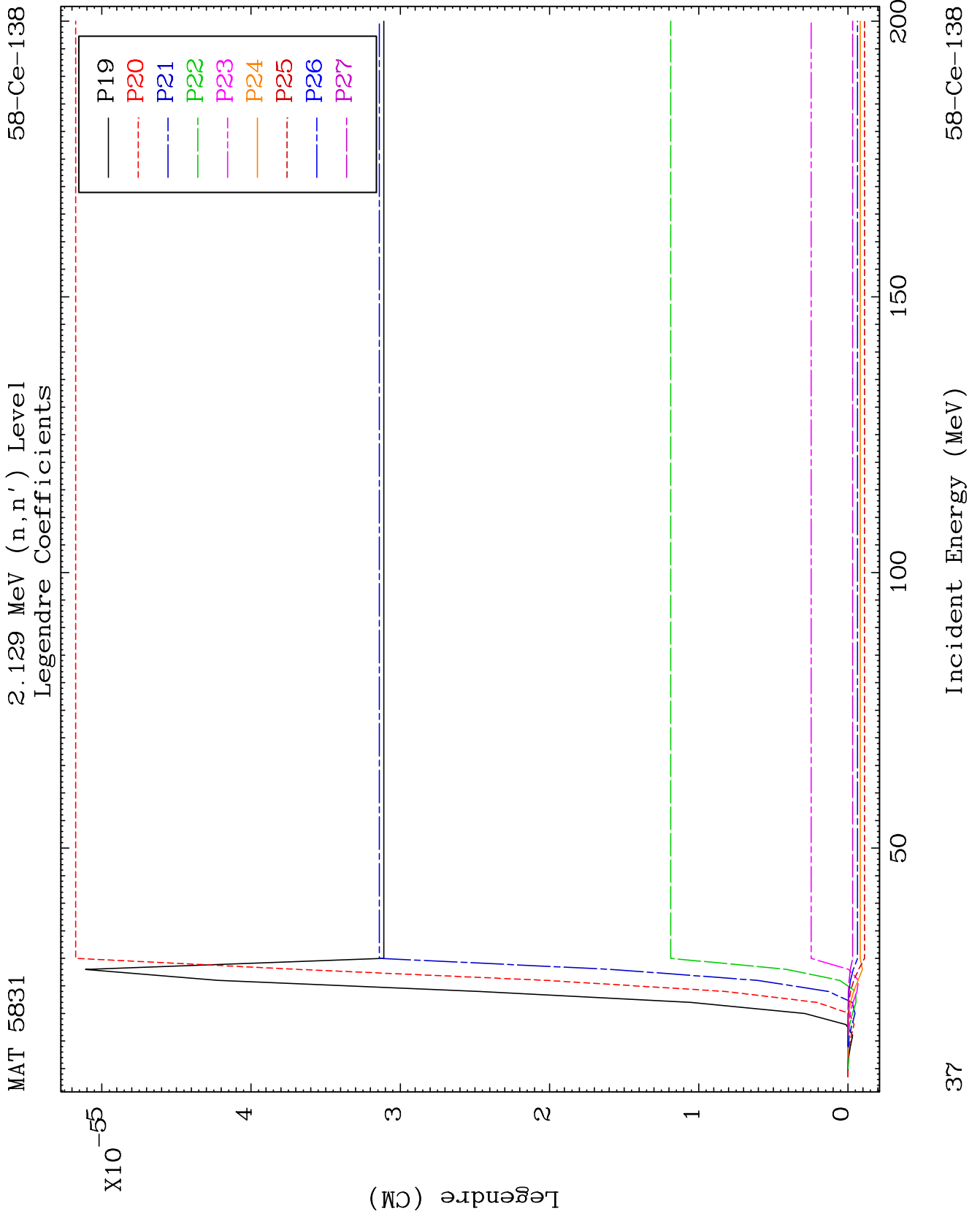
58-Ce-138

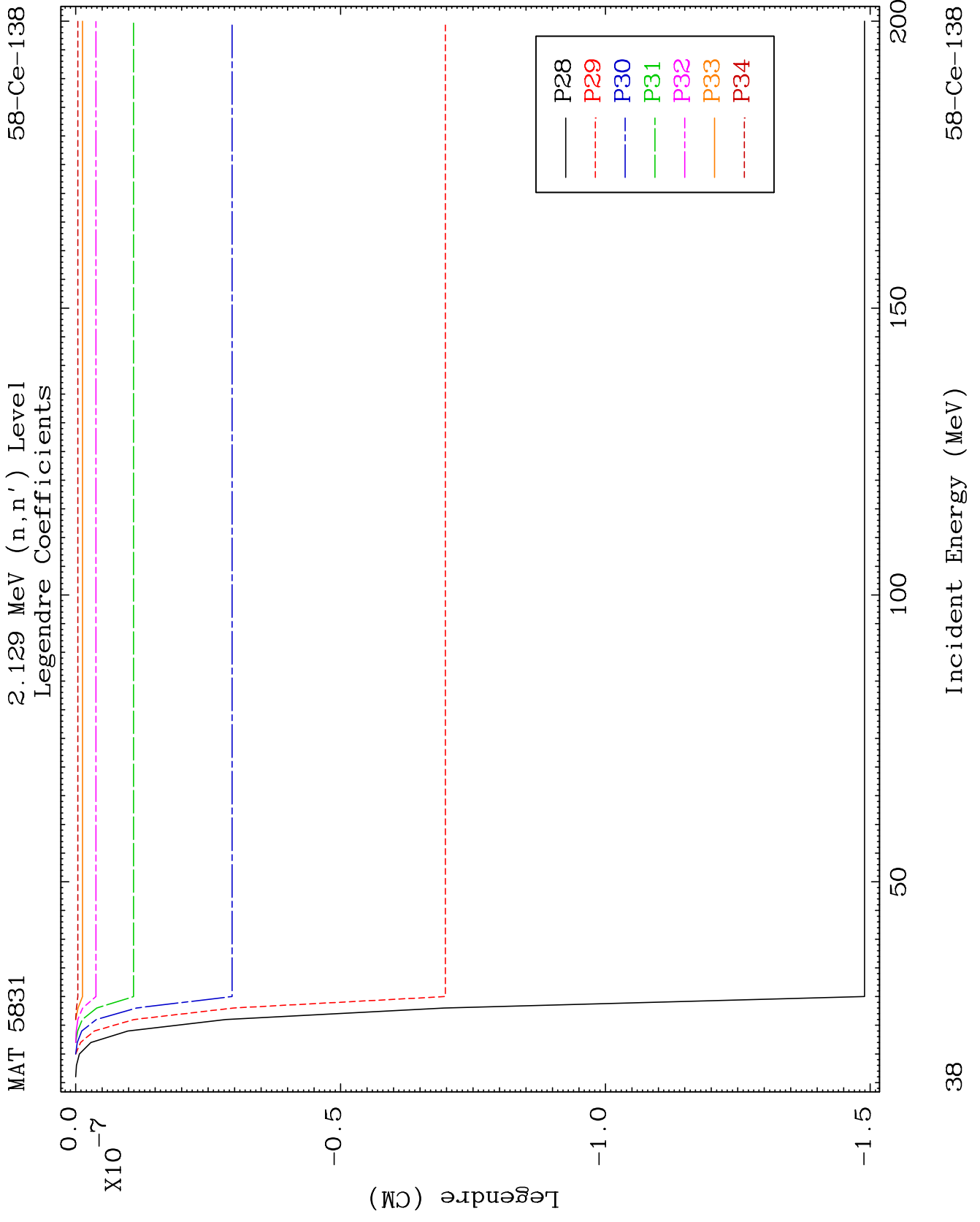


36

Incident Energy (MeV)

58-Ce-138





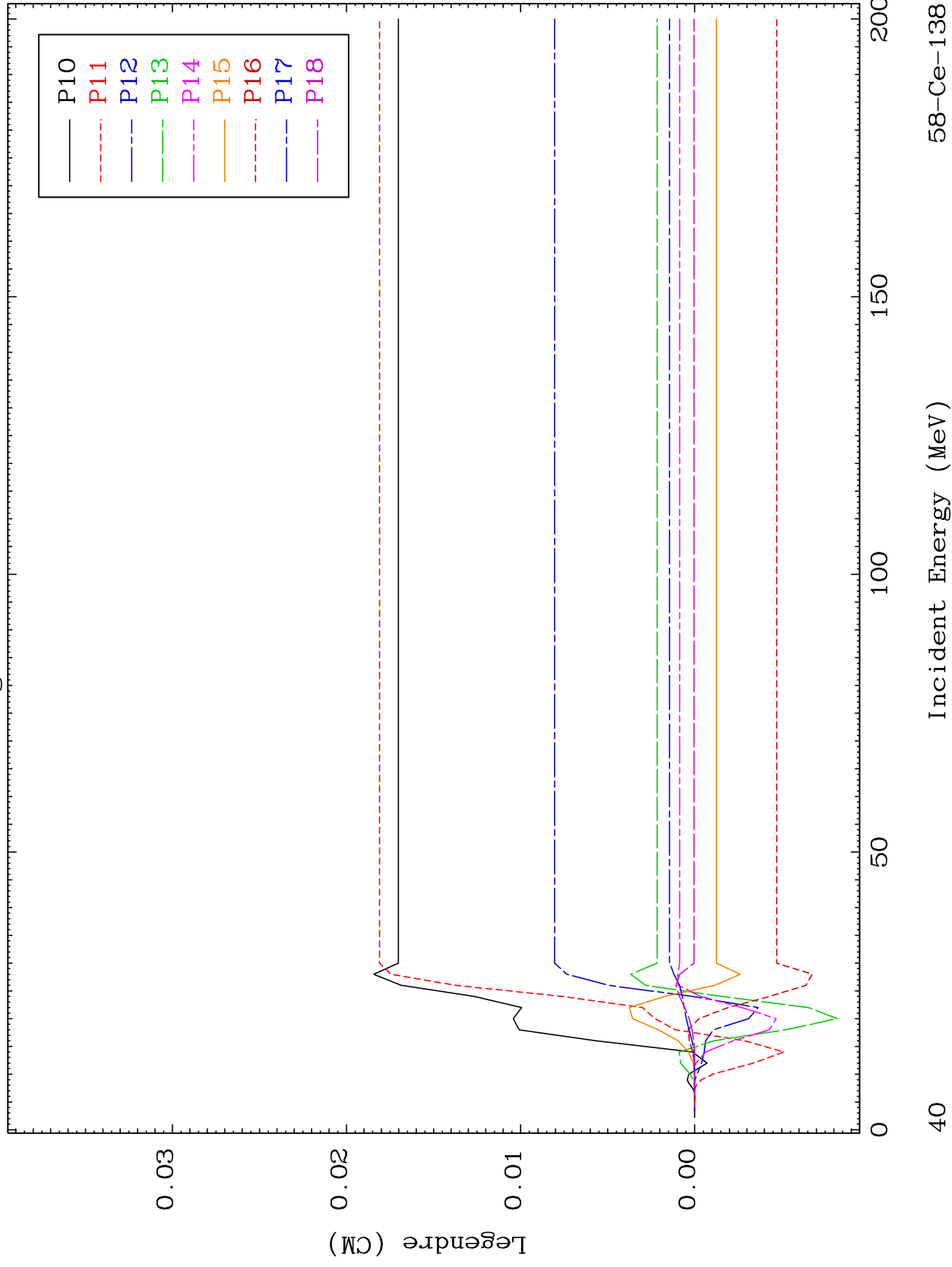




MAT 5831

2.137 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138



58-Ce-138

Incident Energy (MeV)

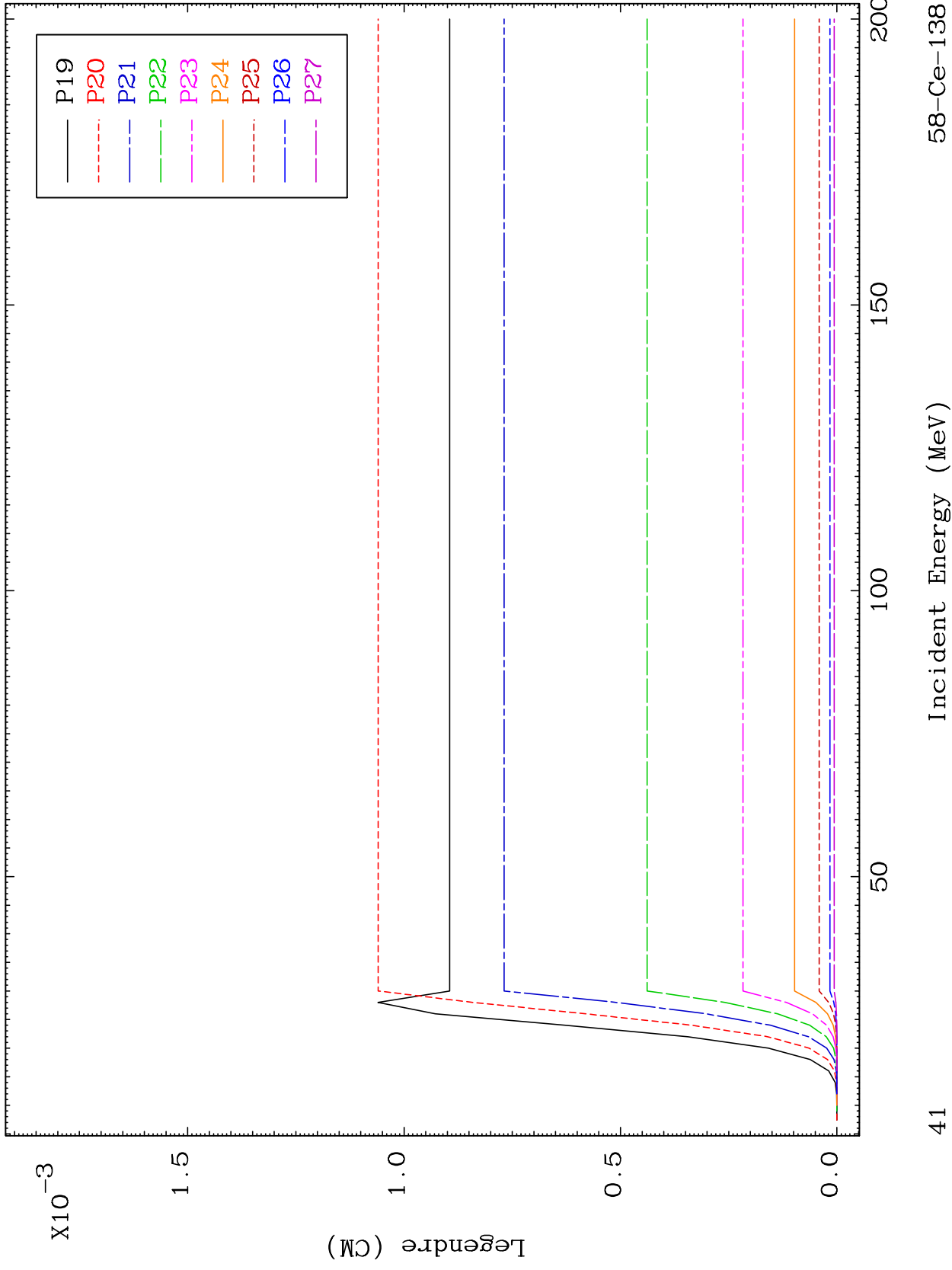
40

200

MAT 5831

2.137 MeV (n,n') Level  
Legendre Coefficients

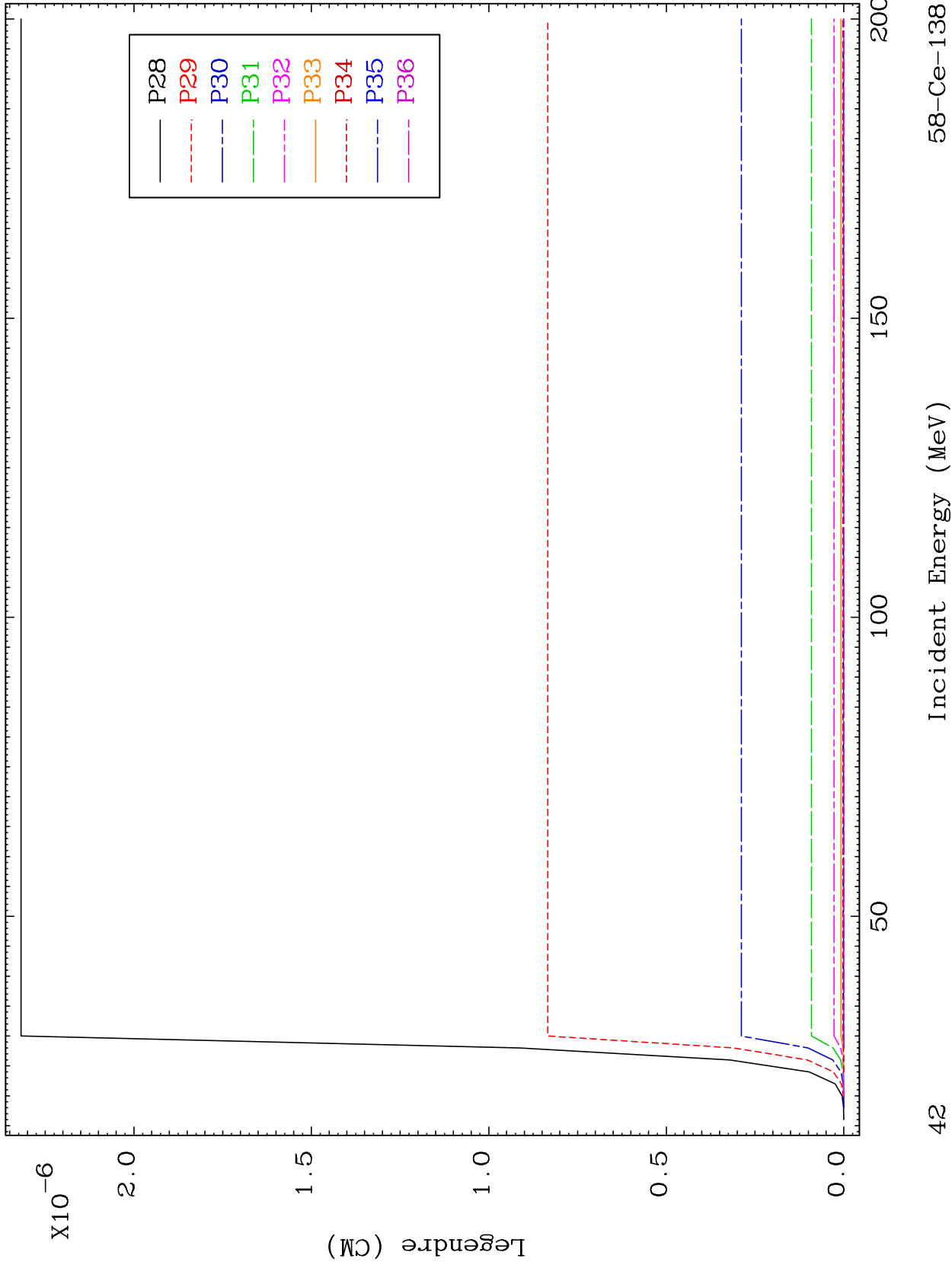
58-Ce-138



MAT 5831

2.137 MeV (n, n') Level  
Legendre Coefficients

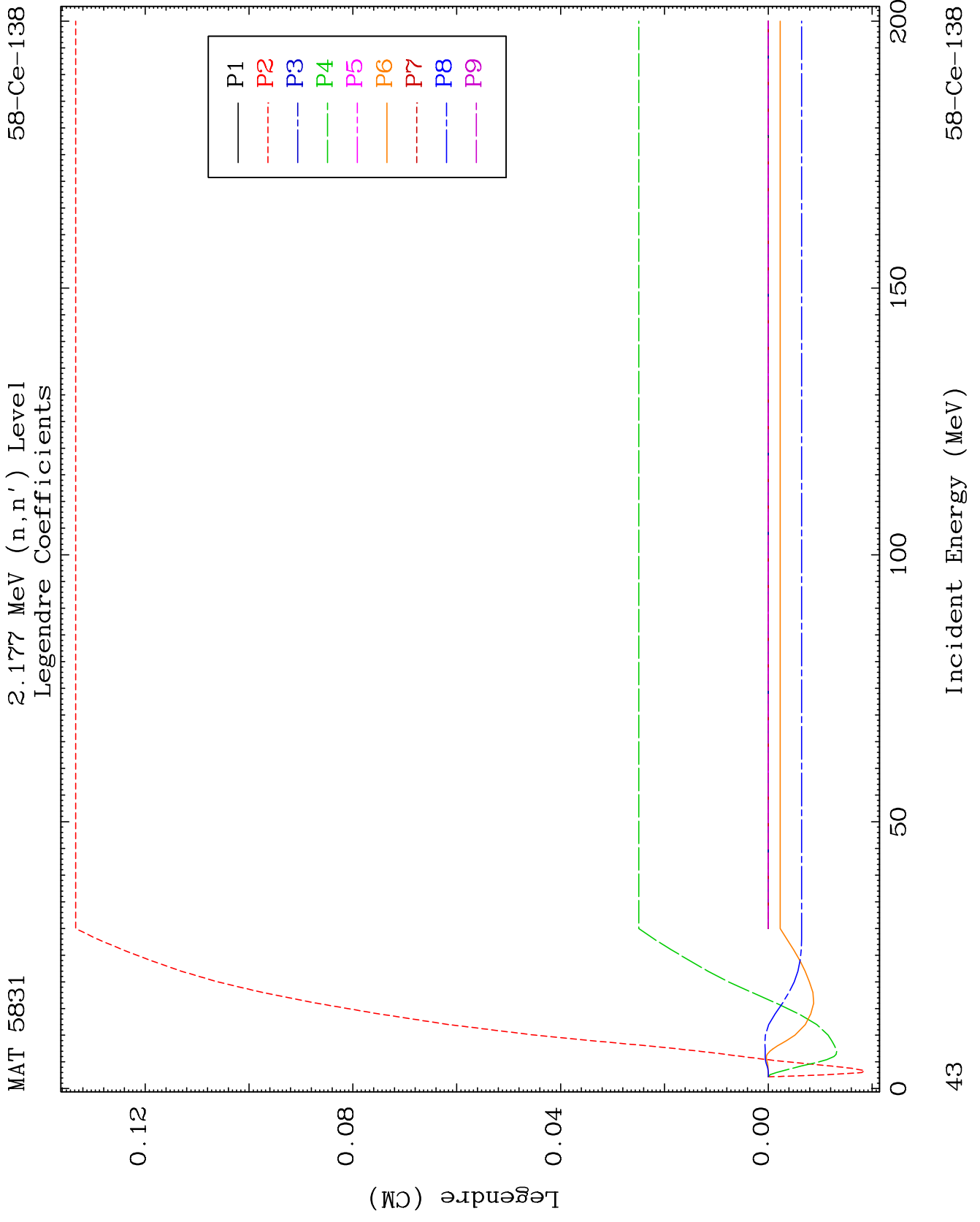
58-Ce-138



42

Incident Energy (MeV)

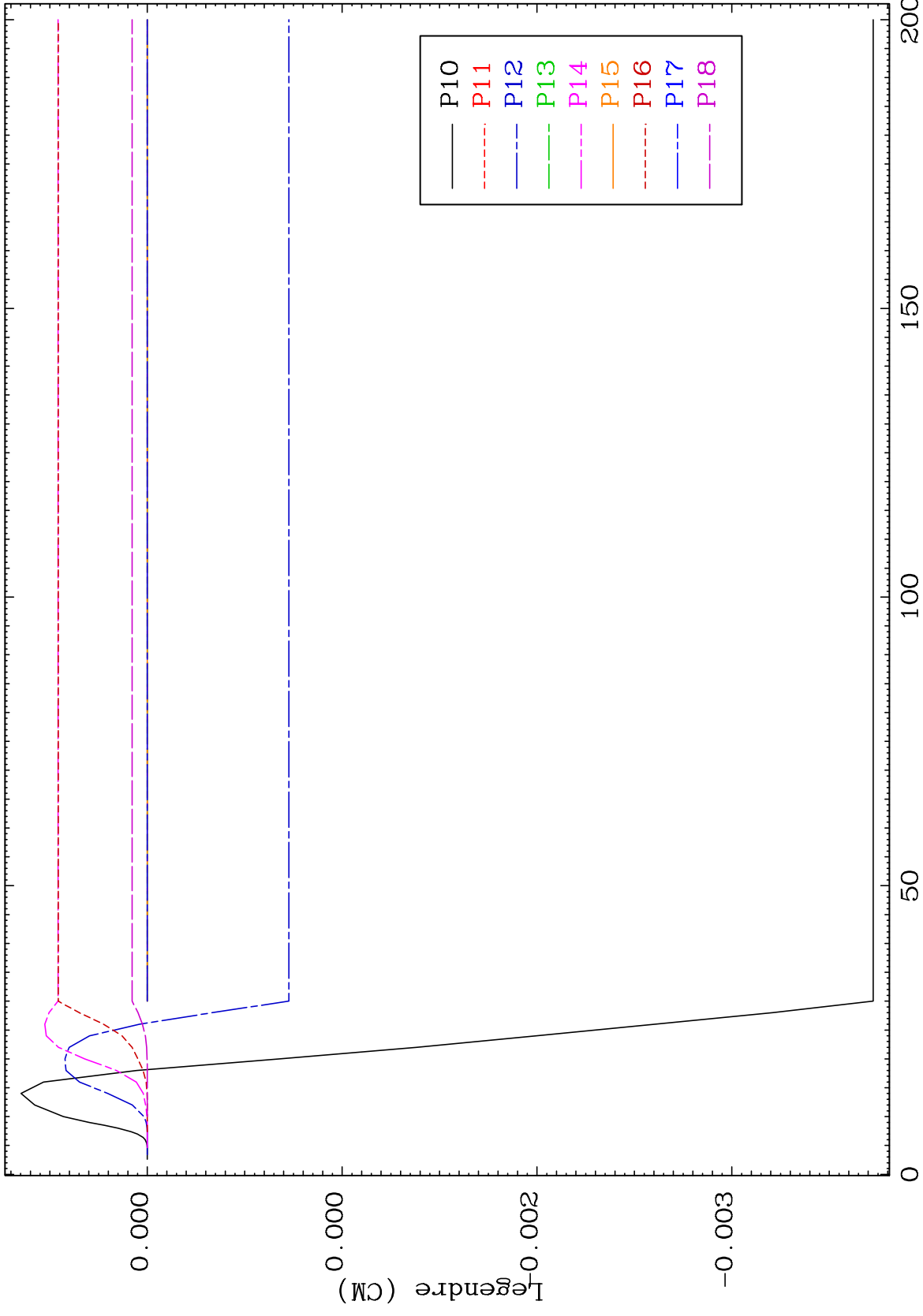
58-Ce-138



MAT 5831

2.177 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138



44

Incident Energy (MeV)

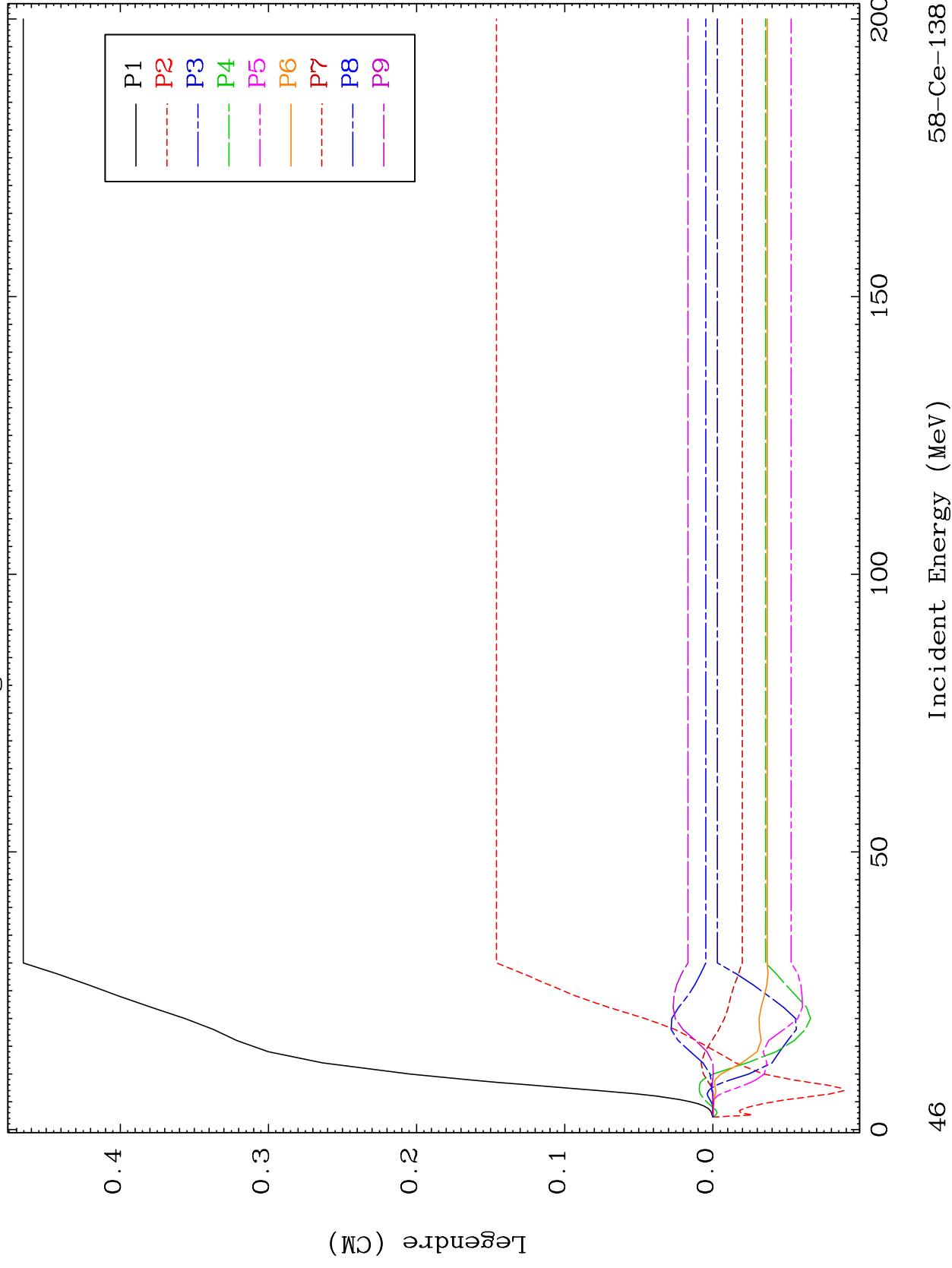
58-Ce-138



MAT 5831

2.217 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138



58-Ce-138

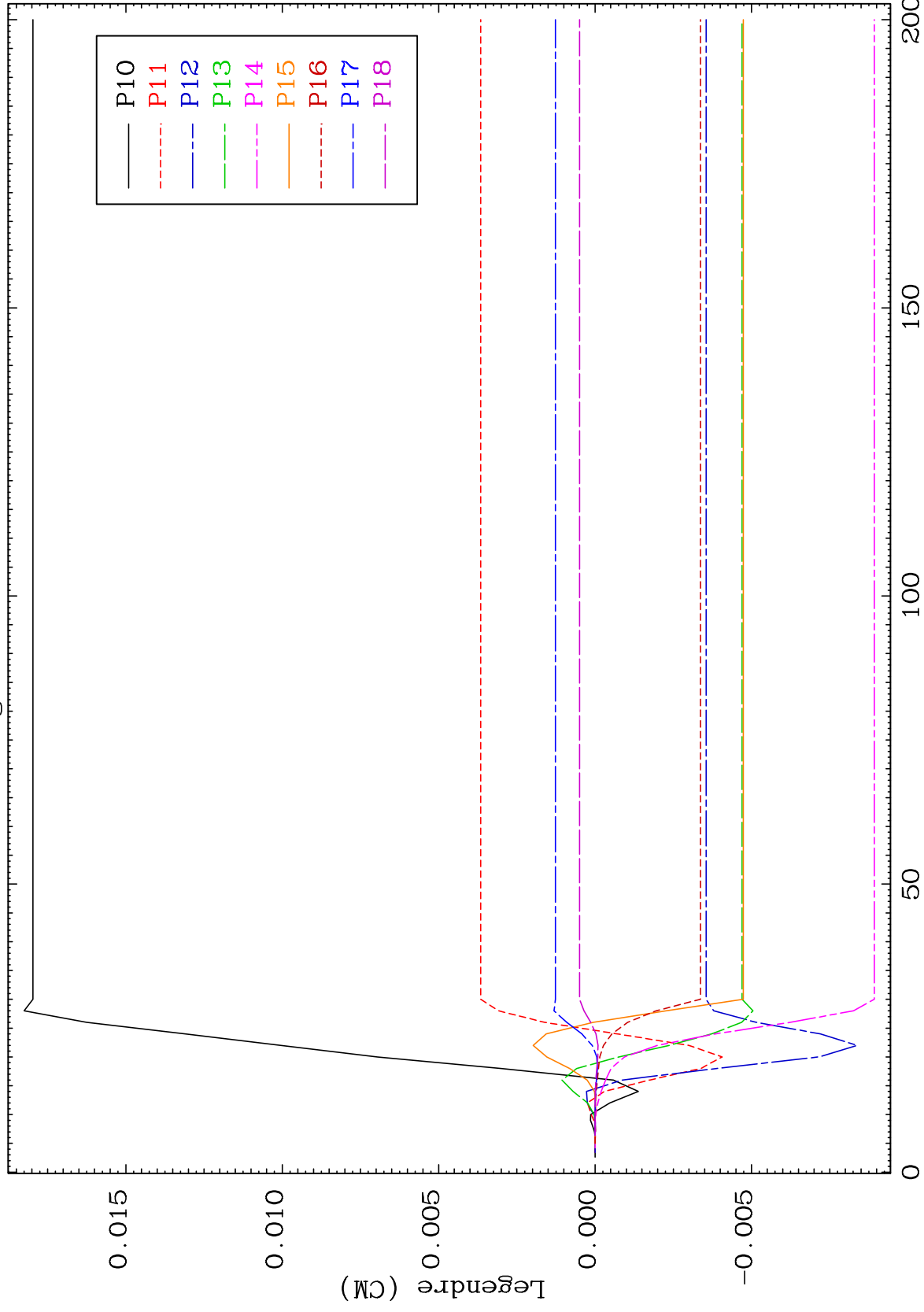
Incident Energy (MeV)

46

MAT 5831

2.217 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138

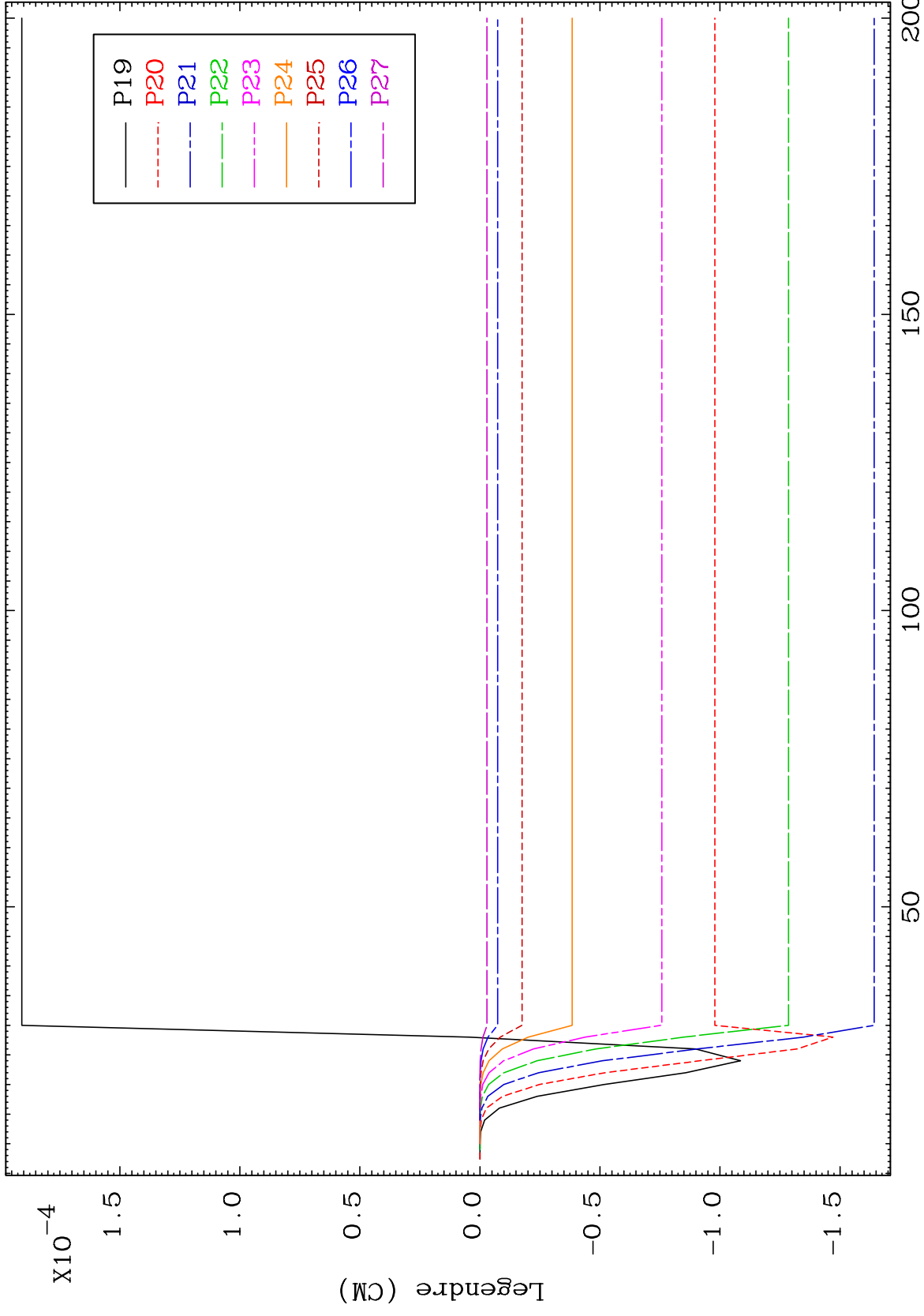


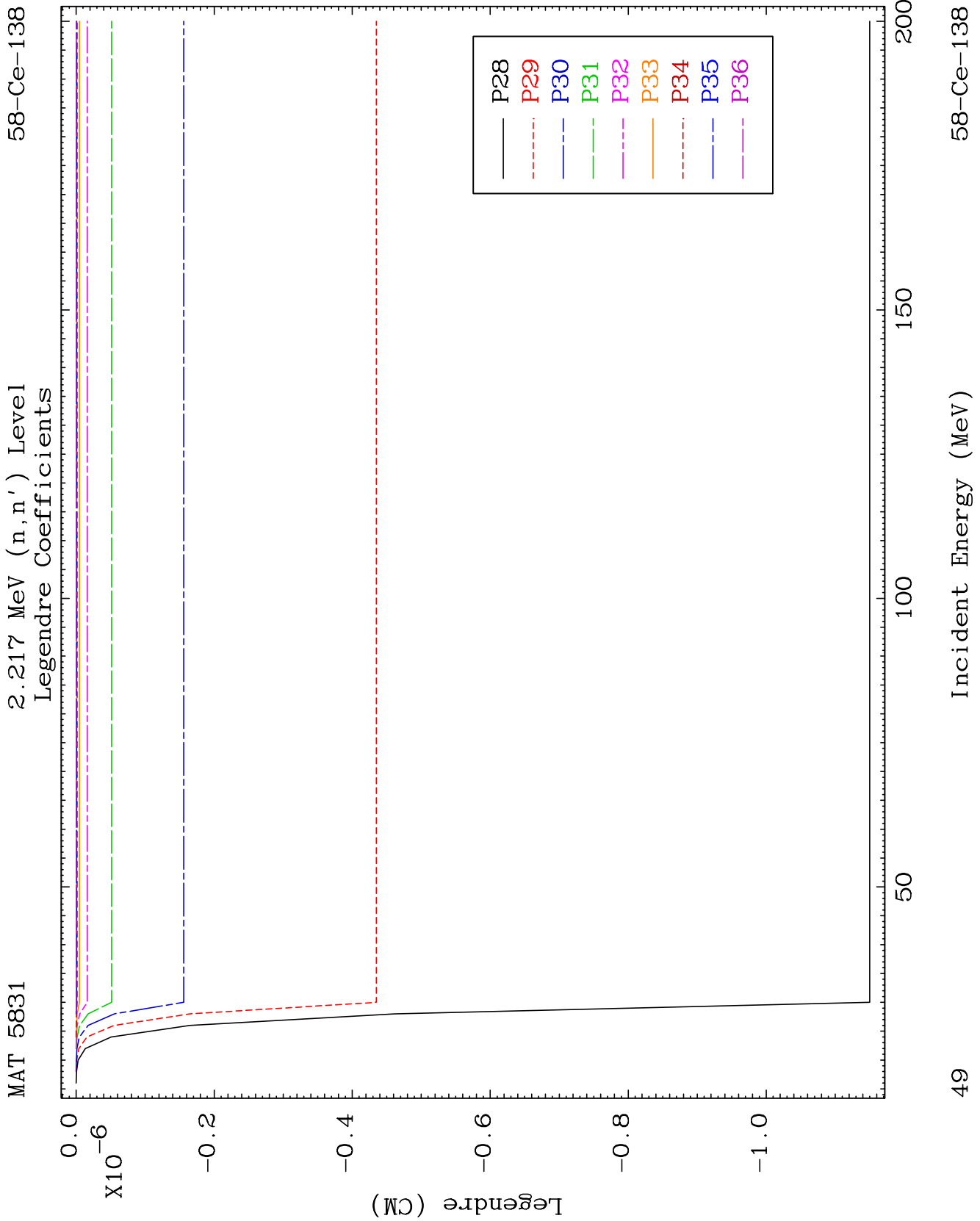
47

Incident Energy (MeV)

58-Ce-138



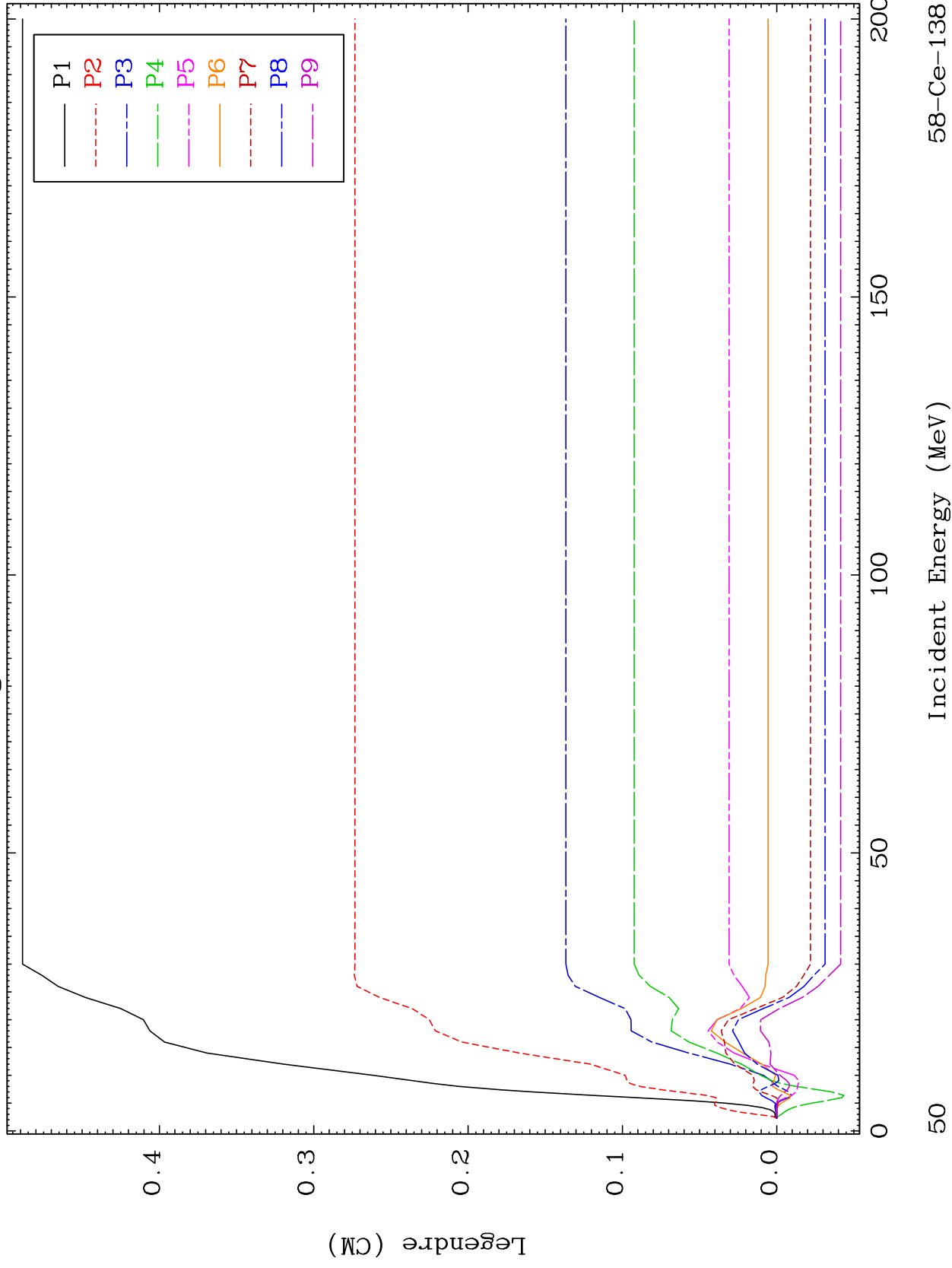




MAT 5831

2.237 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138

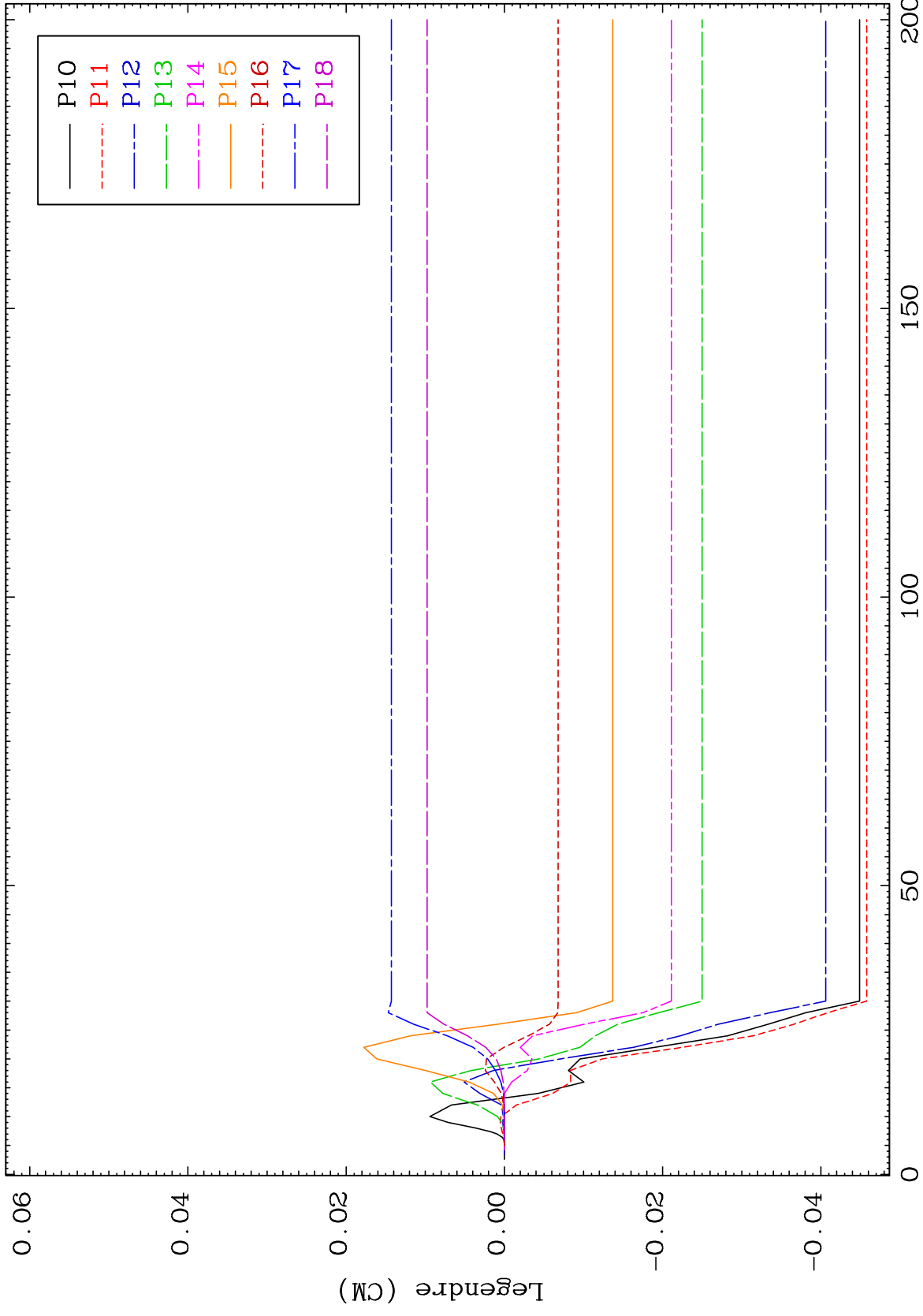


58-Ce-138

MAT 5831

2.237 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138



51

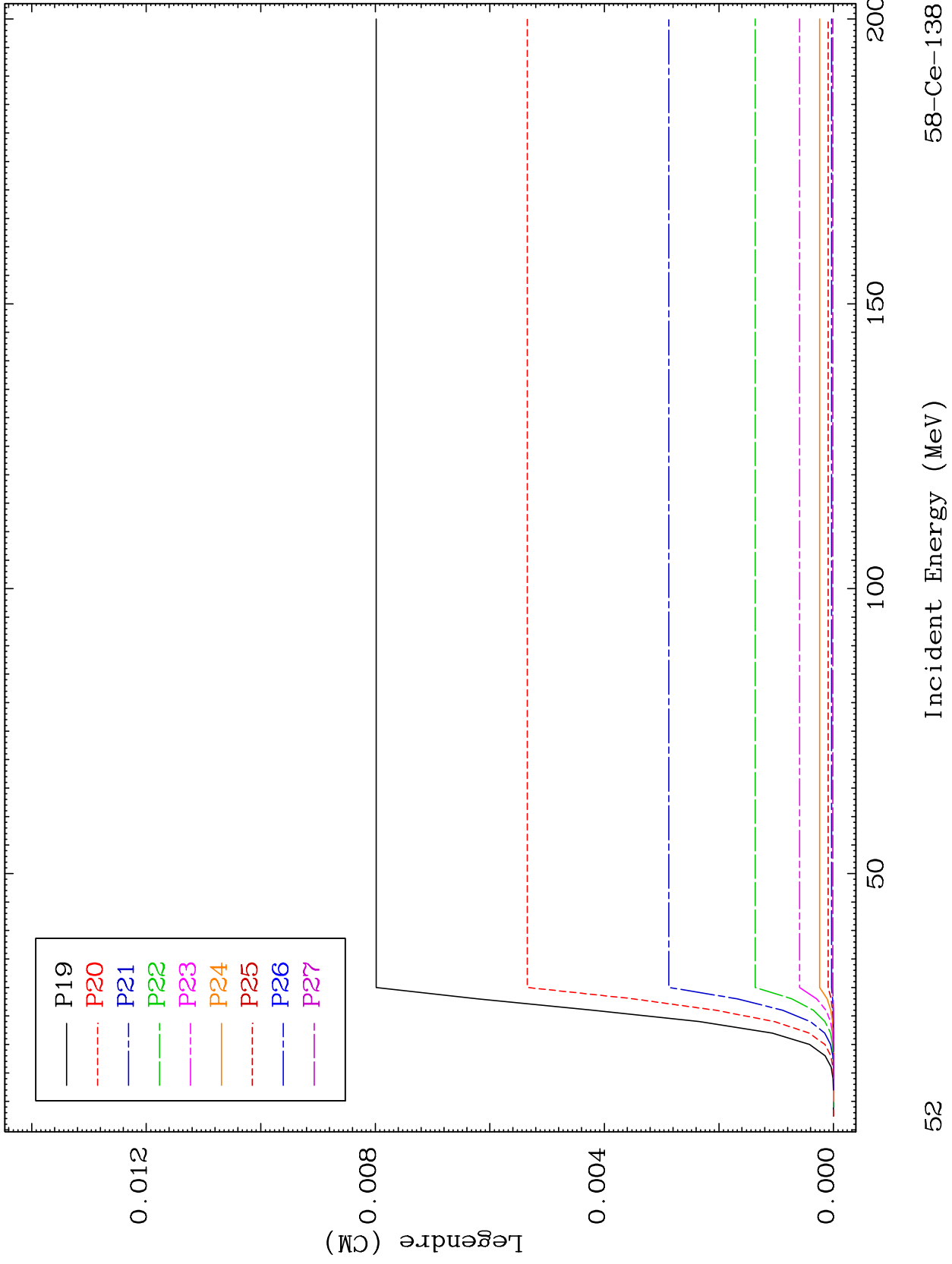
Incident Energy (MeV)

58-Ce-138

MAT 5831

2.237 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138



52

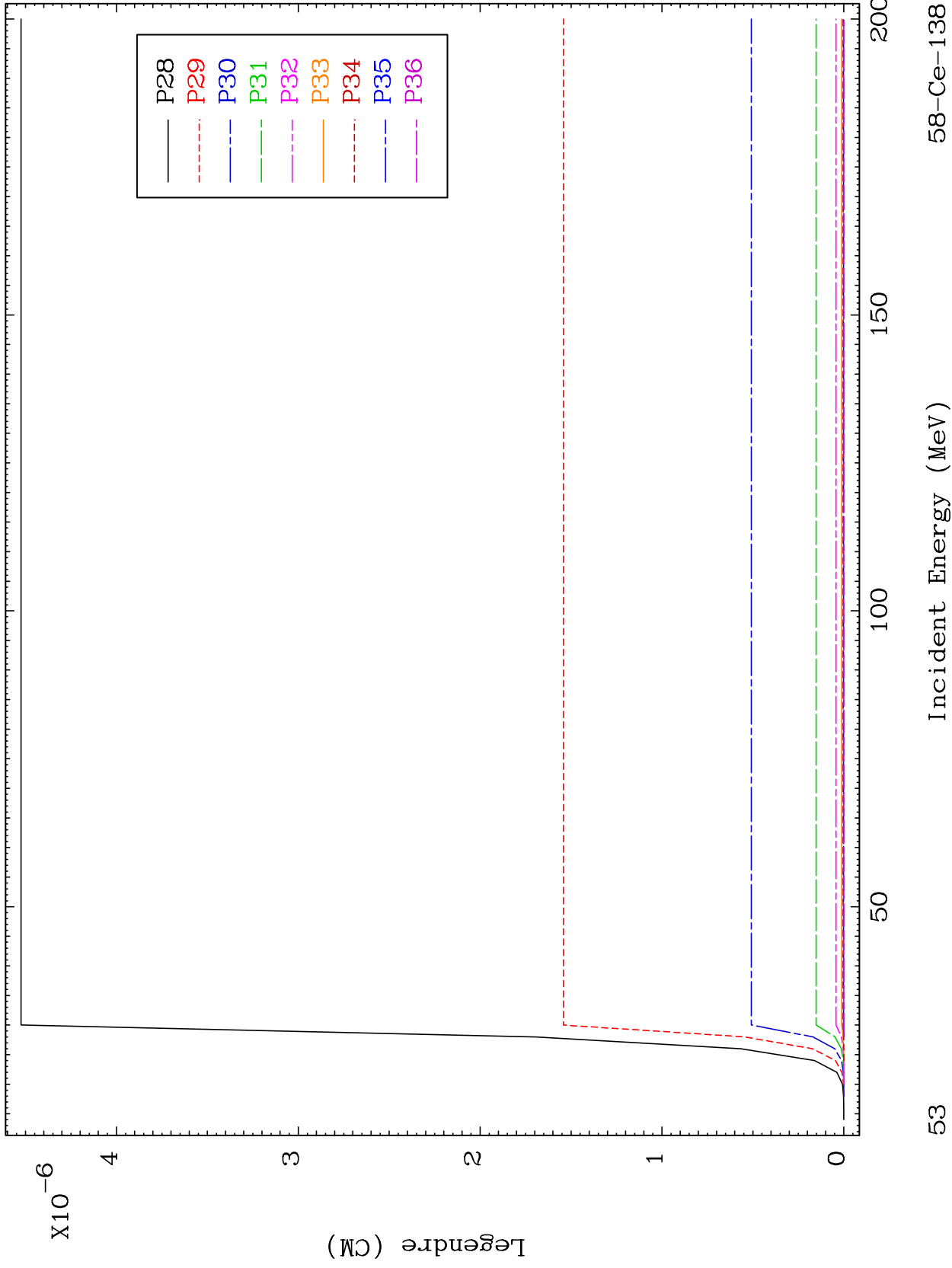
Incident Energy (MeV)

58-Ce-138

MAT 5831

2.237 MeV (n,n') Level  
Legendre Coefficients

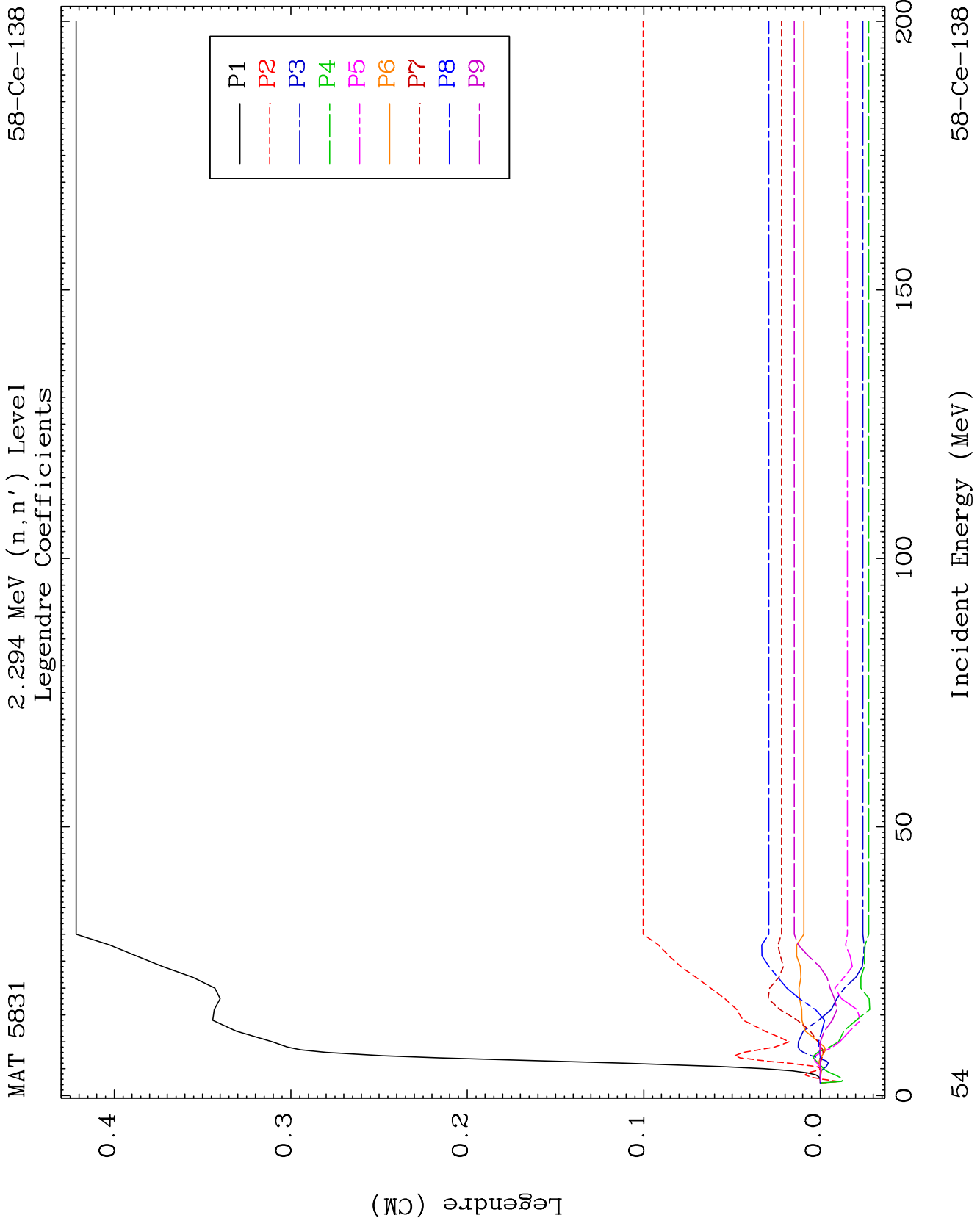
58-Ce-138

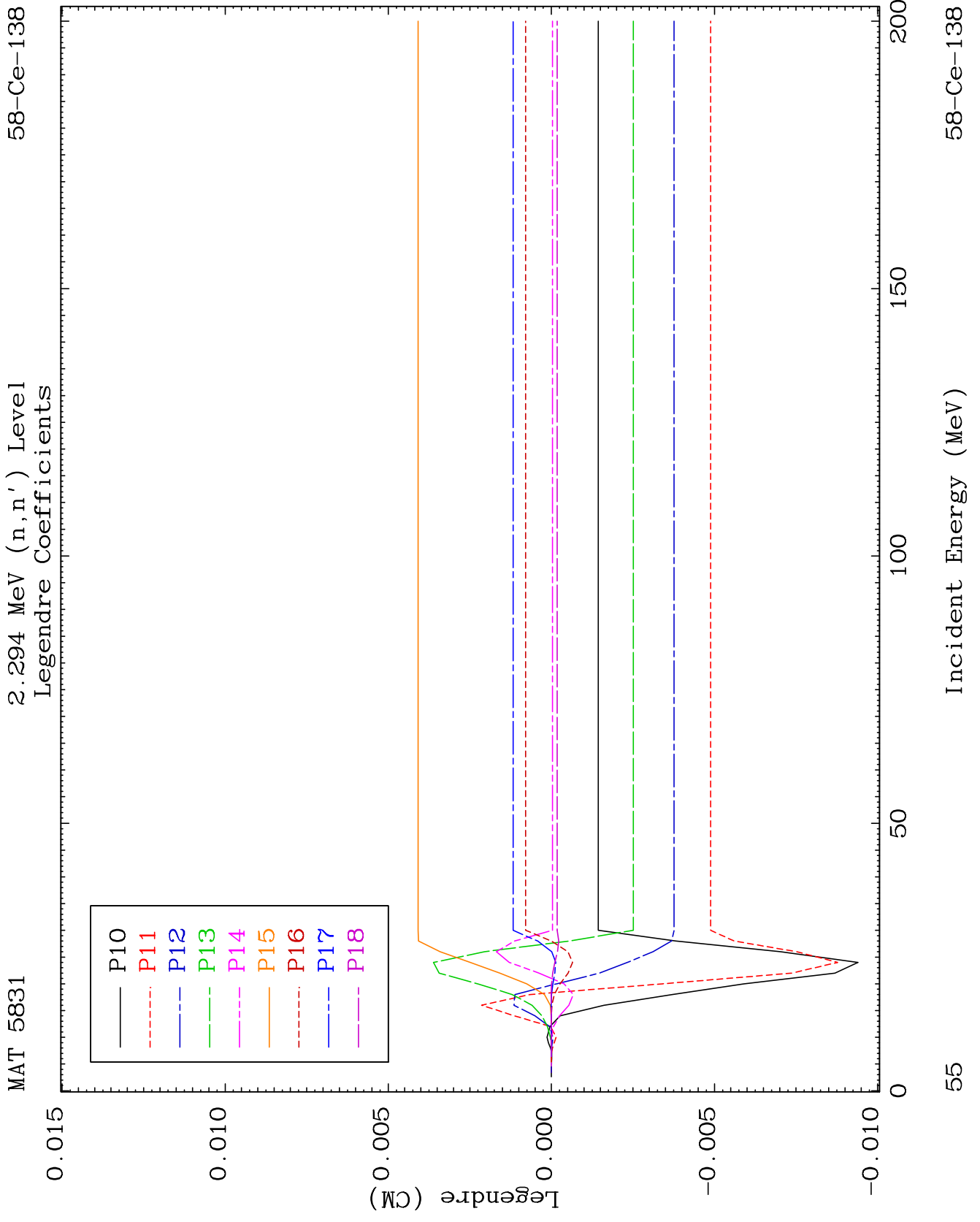


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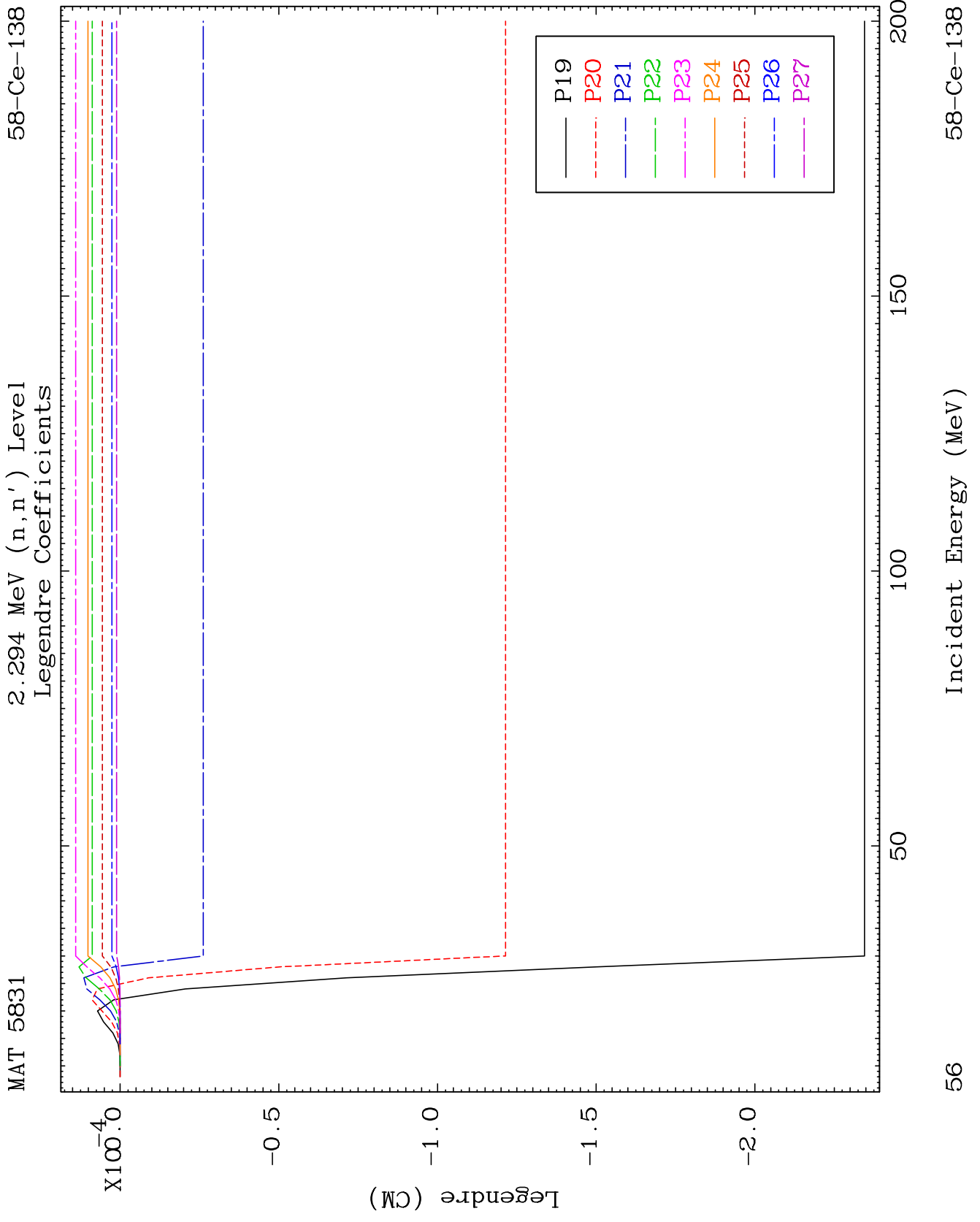
Incident Energy (MeV)

58-Ce-138





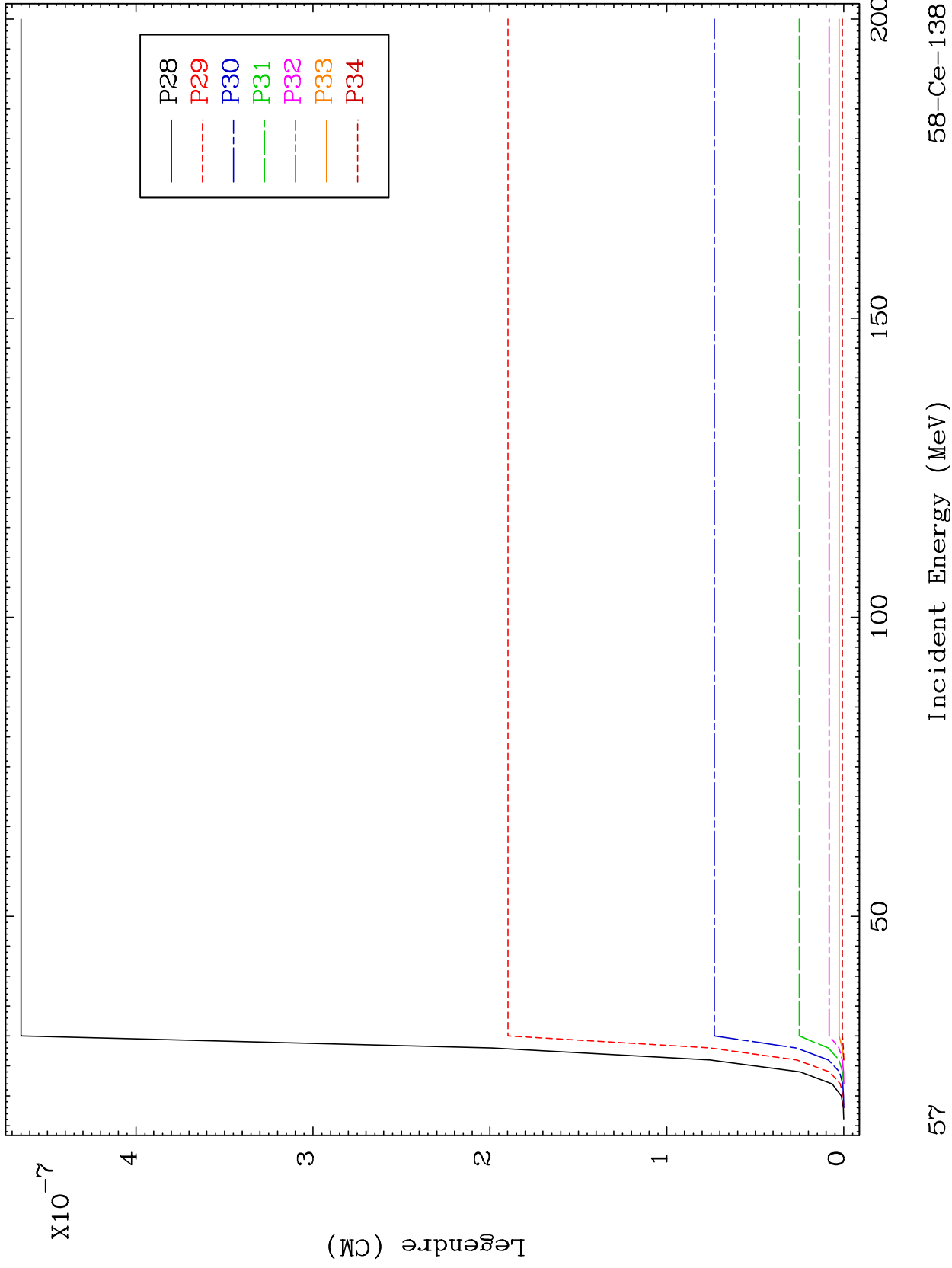




MAT 5831

2.294 MeV (n,n') Level  
Legendre Coefficients

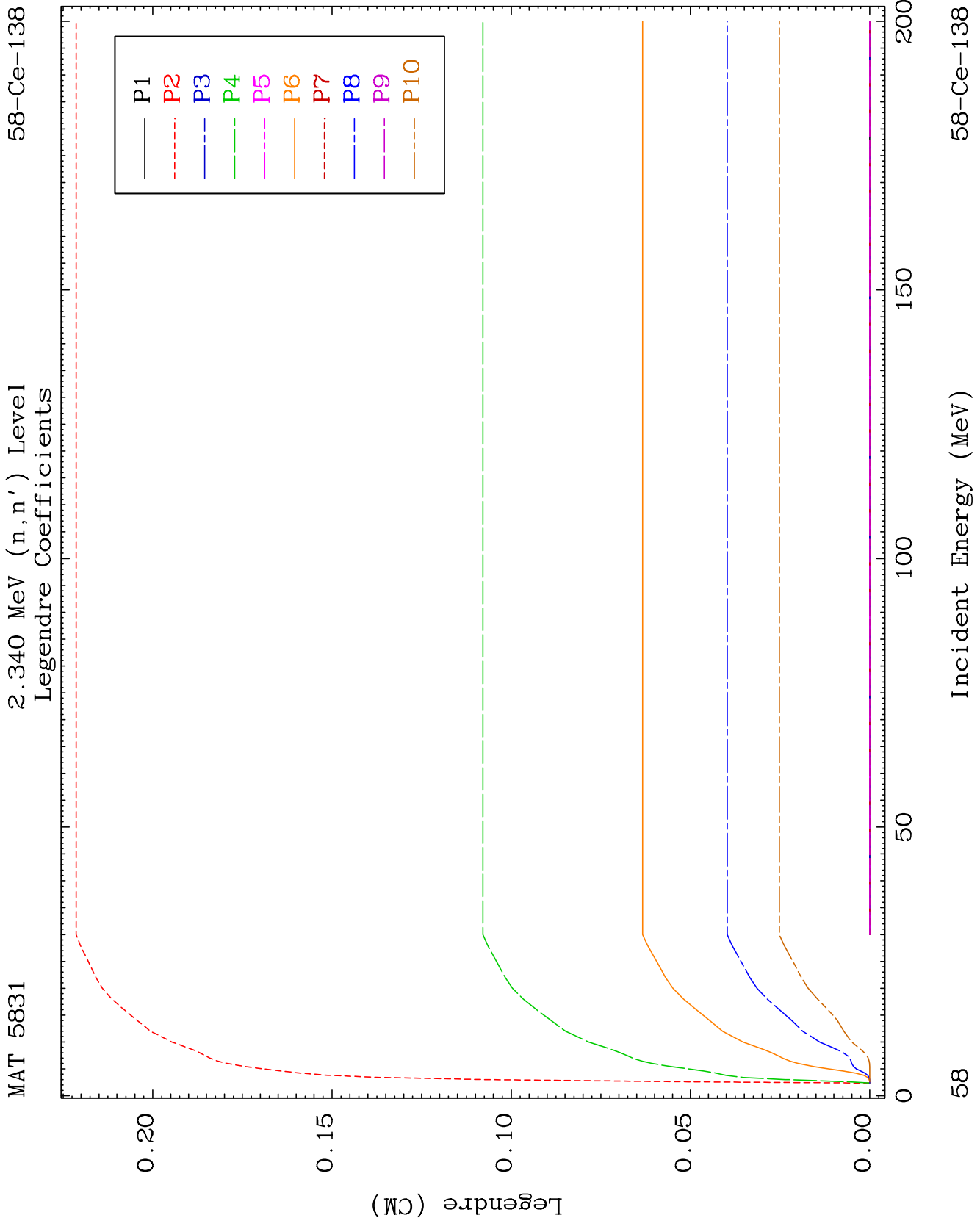
58-Ce-138

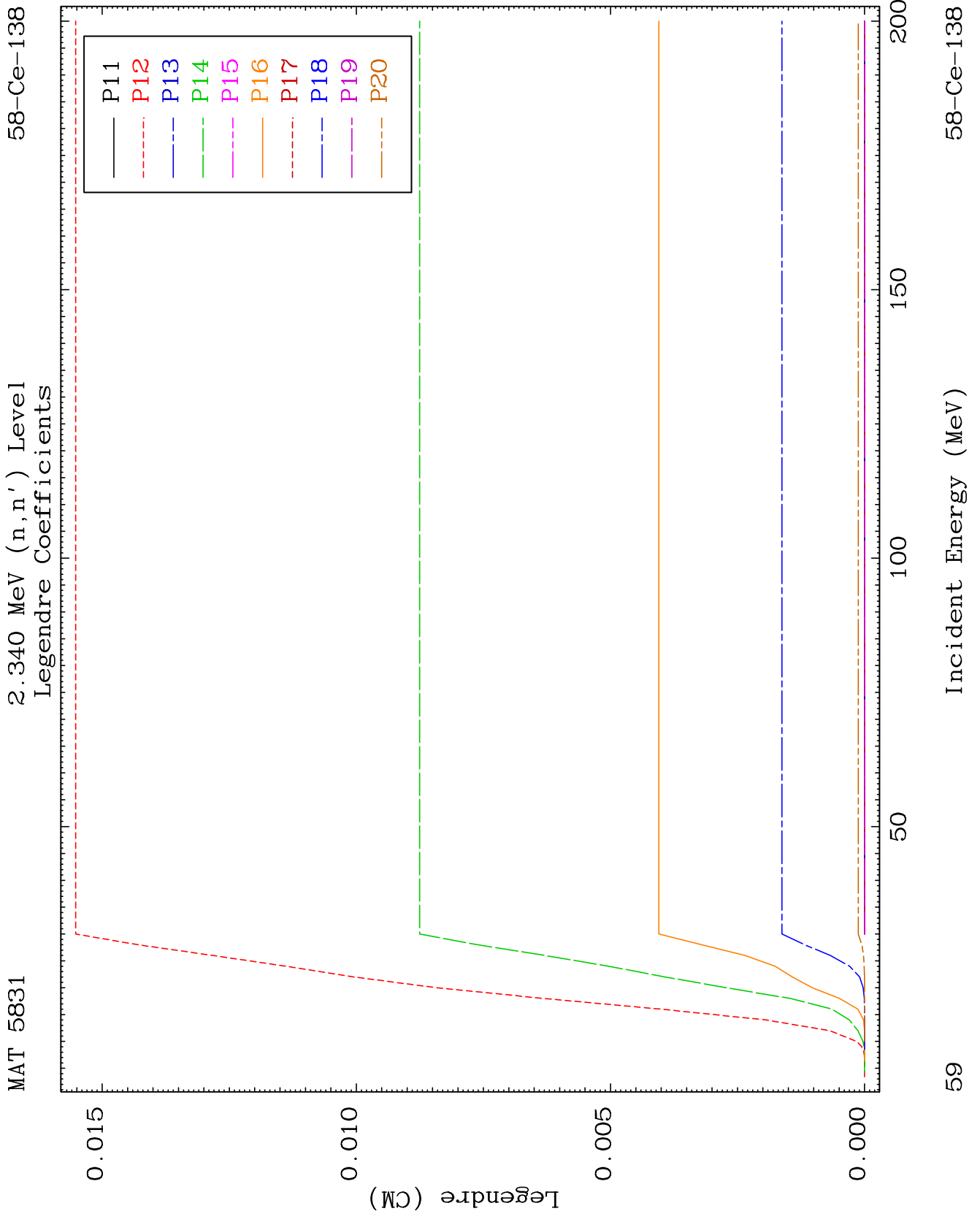


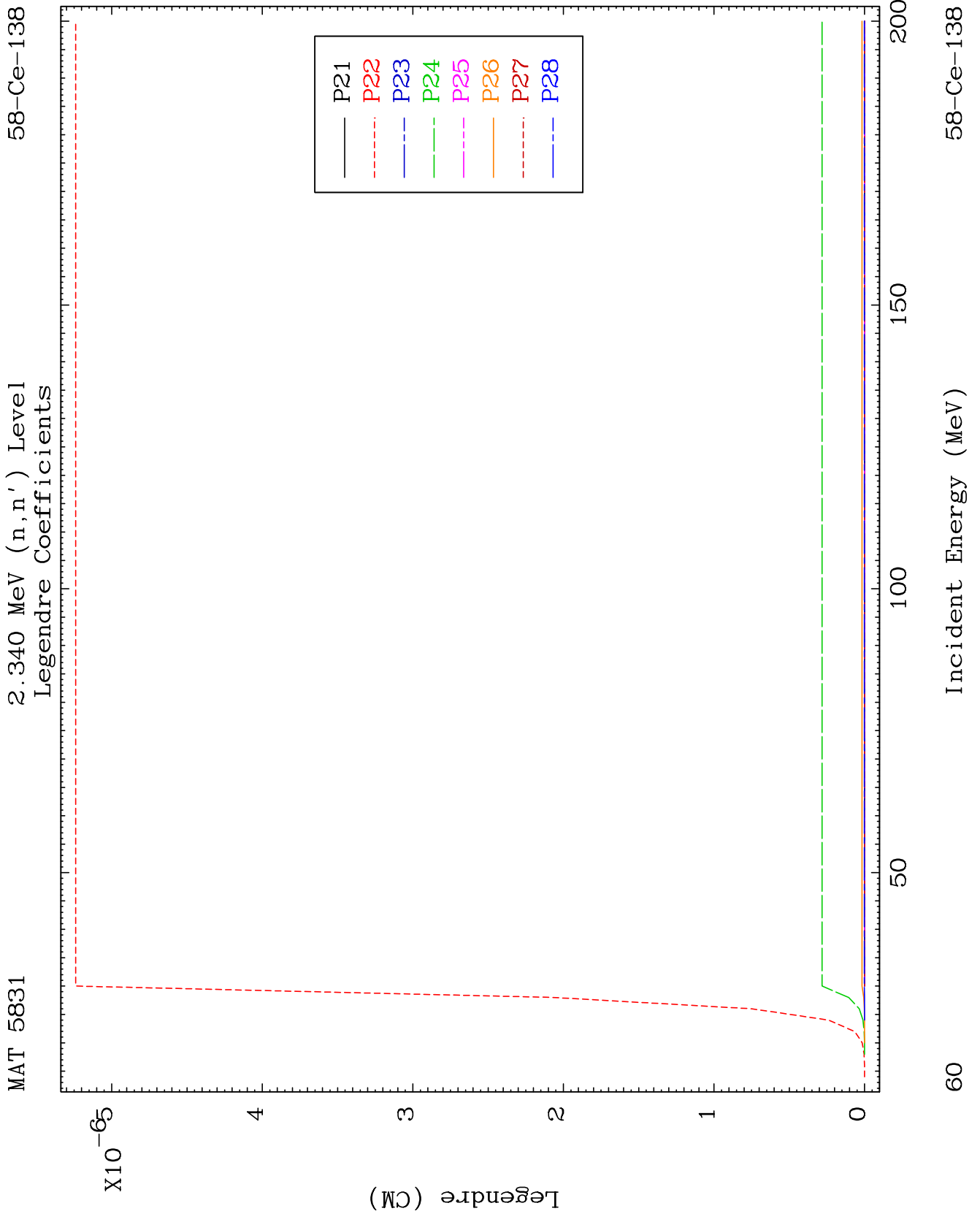
57

Incident Energy (MeV)

58-Ce-138



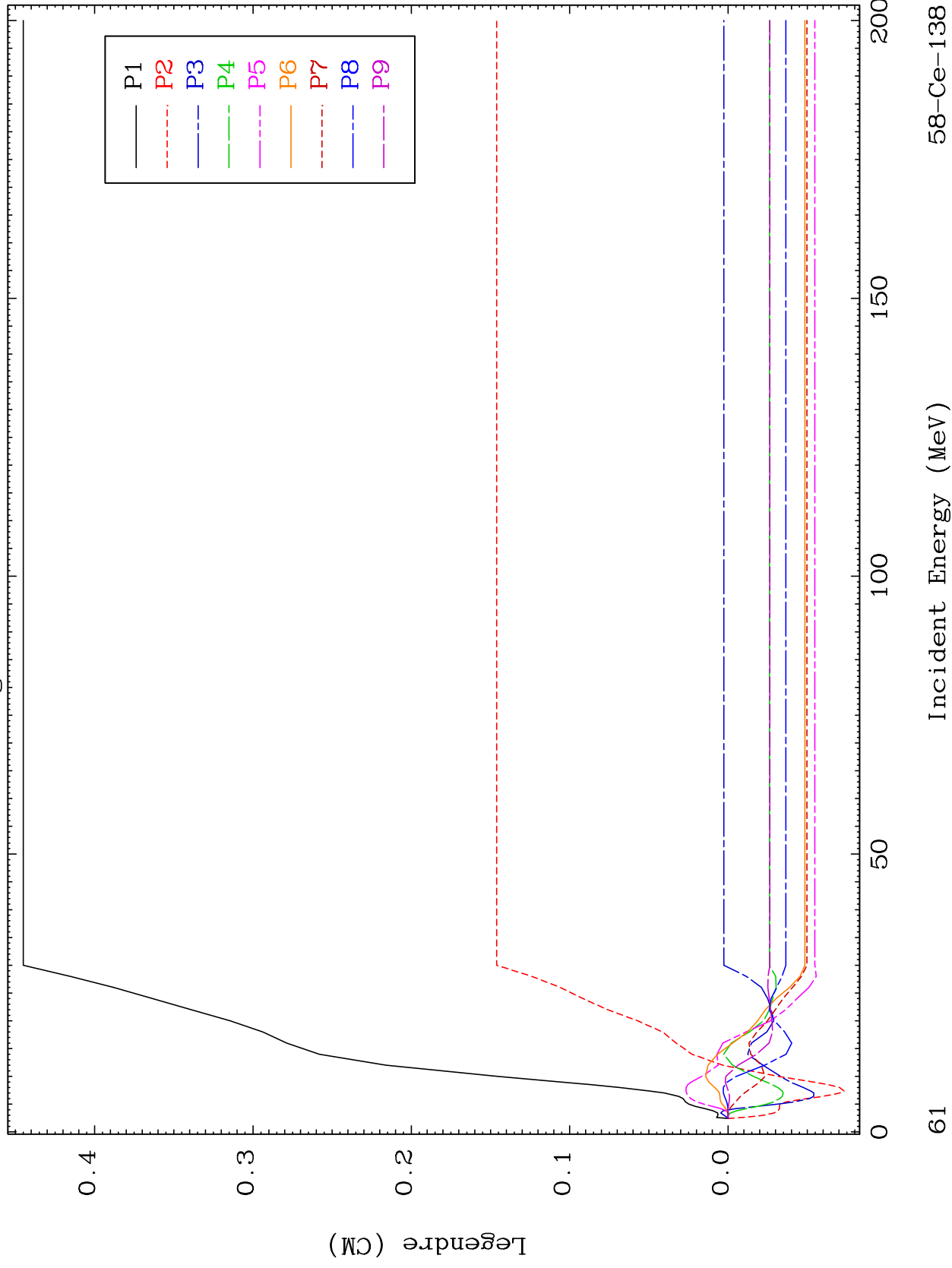




MAT 5831

2.394 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138



58-Ce-138

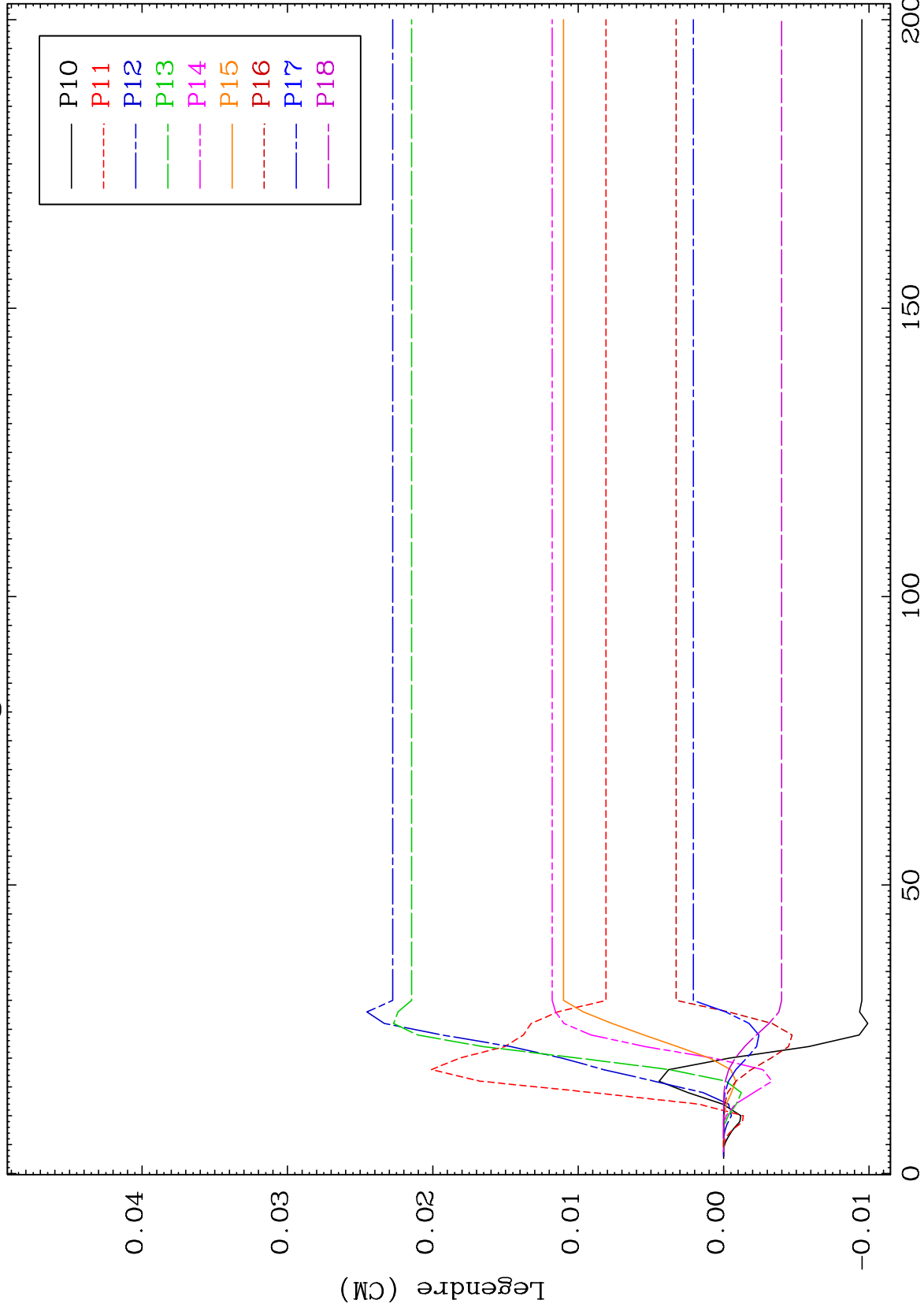
Incident Energy (MeV)

61

MAT 5831

2.394 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138



62

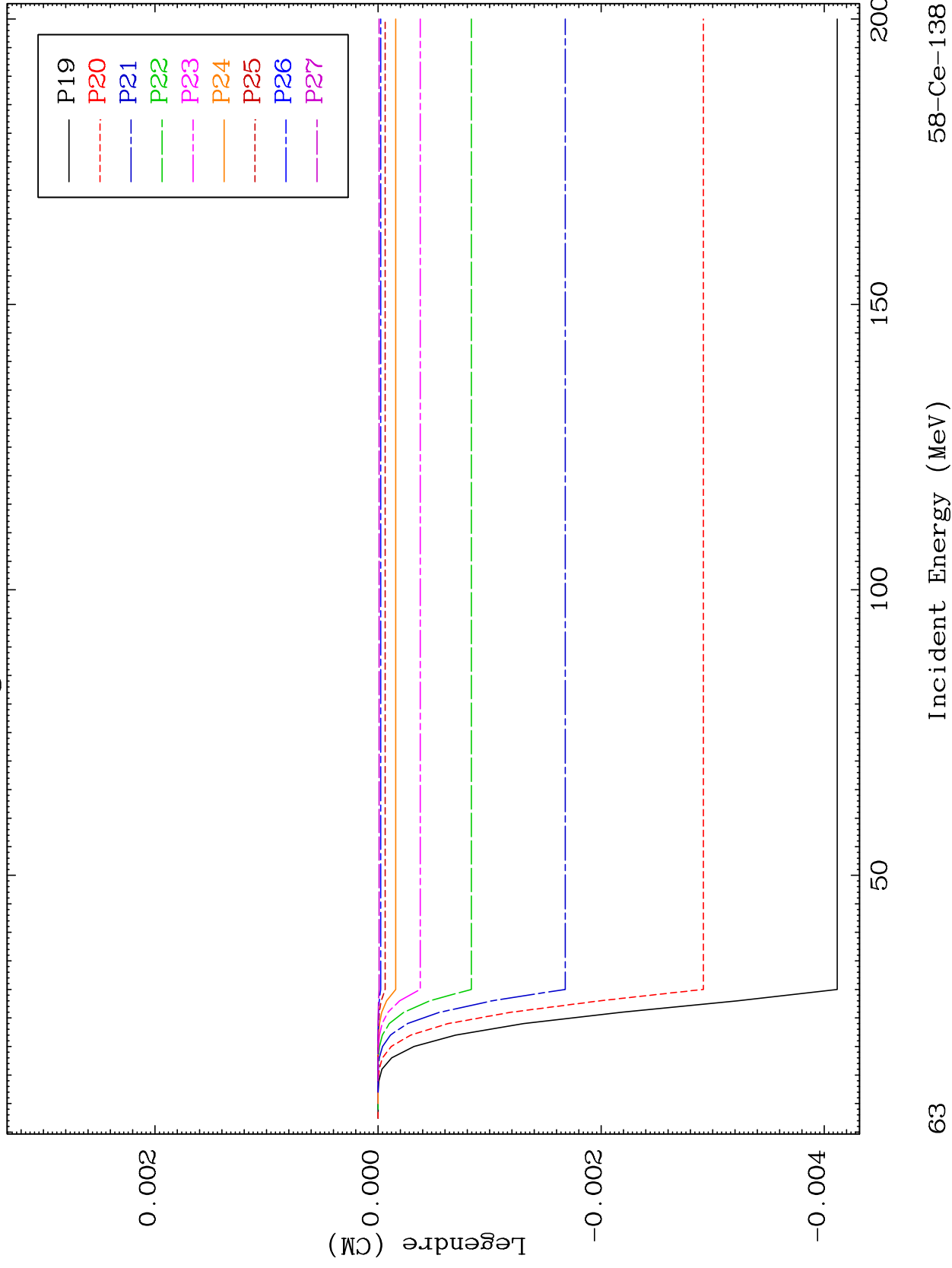
Incident Energy (MeV)

58-Ce-138

MAT 5831

2.394 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138

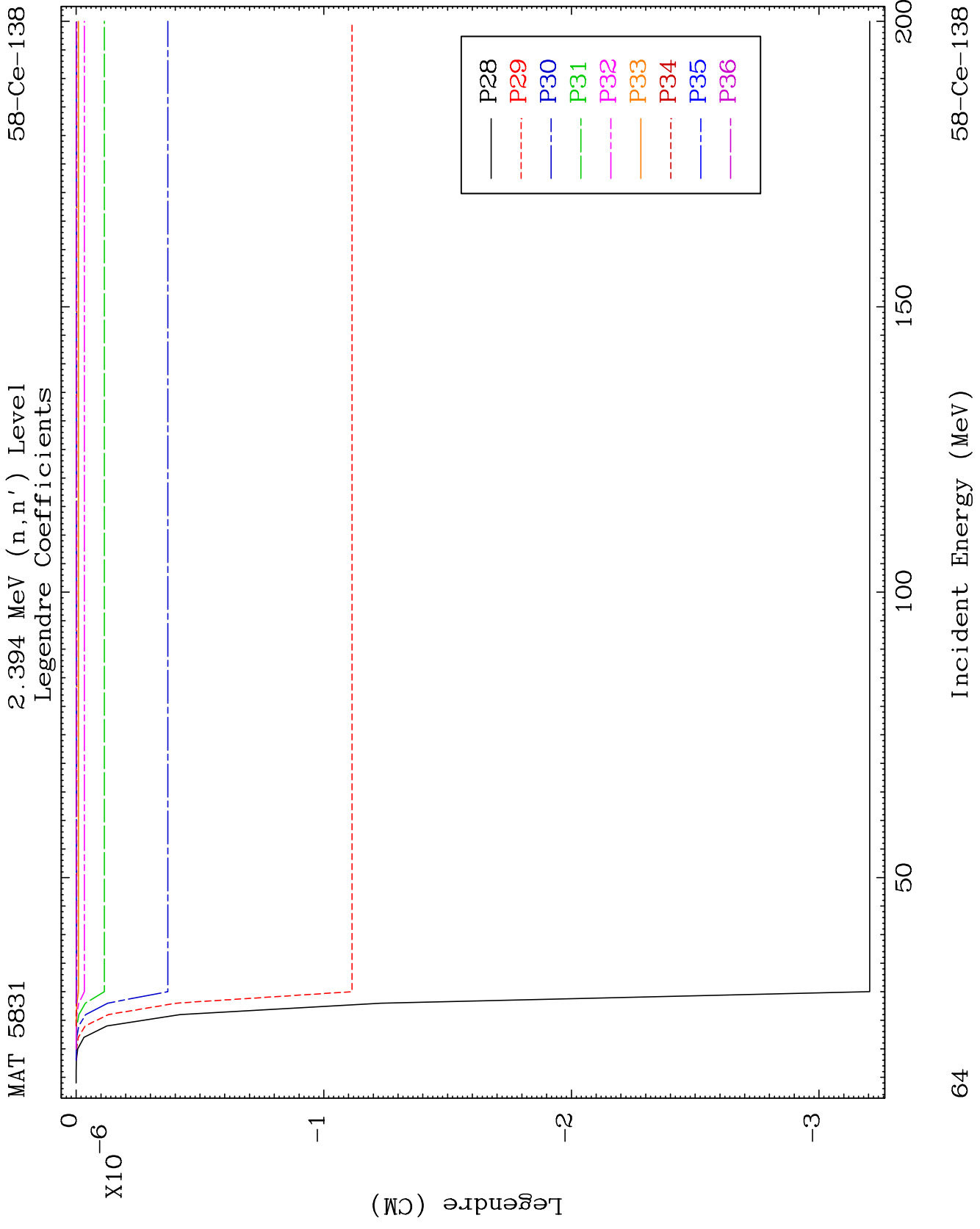


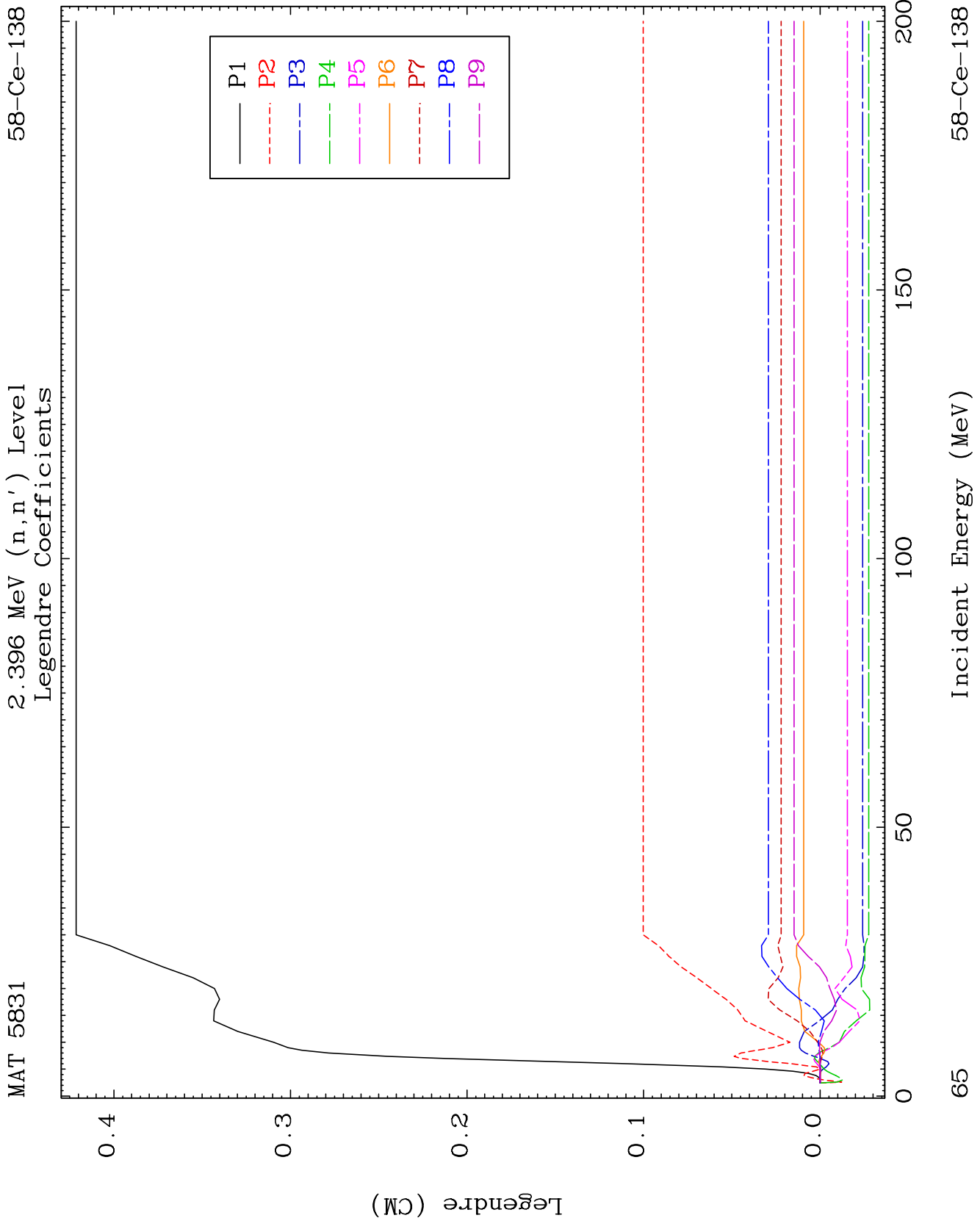
63

Incident Energy (MeV)

58-Ce-138



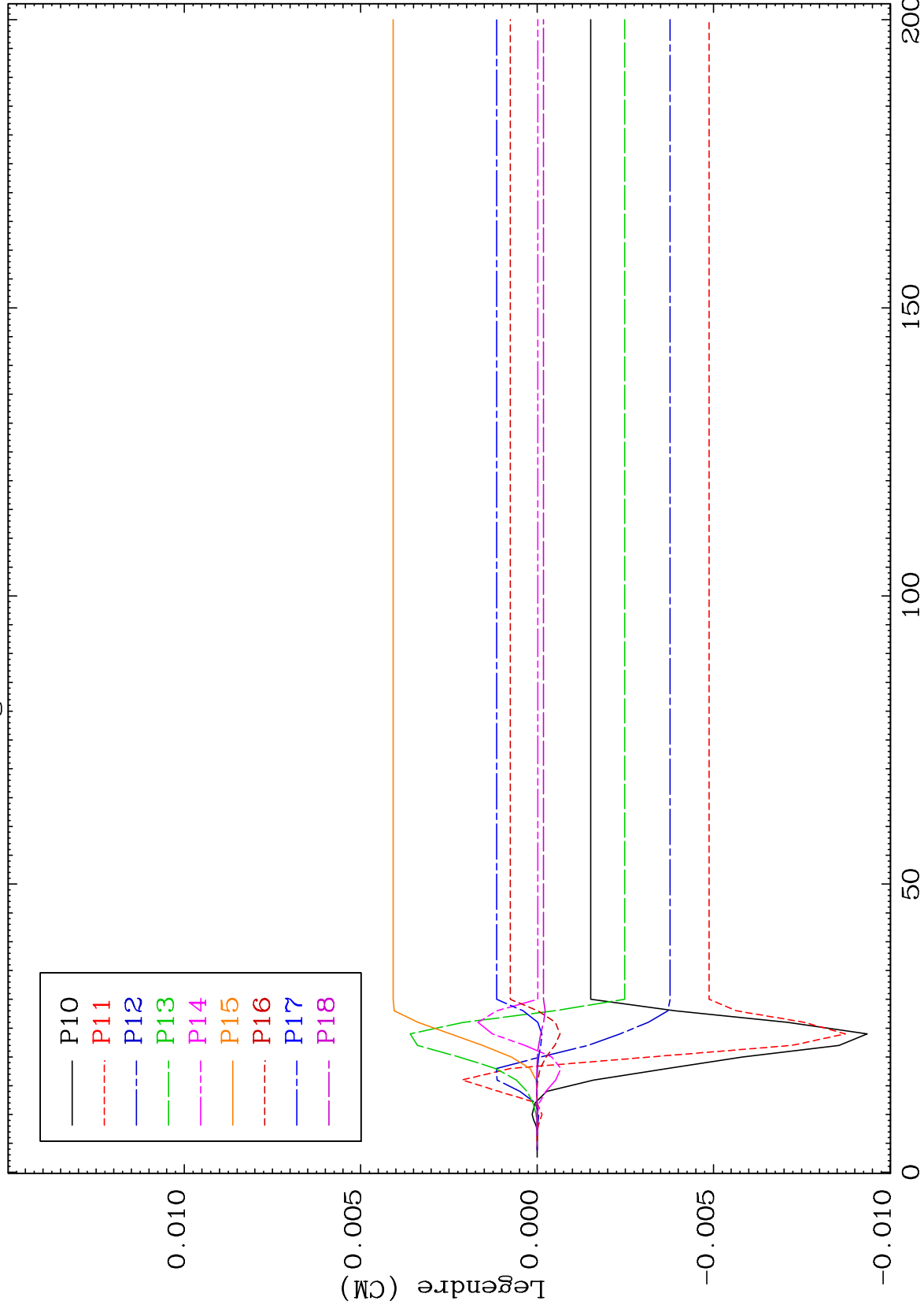




MAT 5831

2.396 MeV (n, n') Level  
Legendre Coefficients

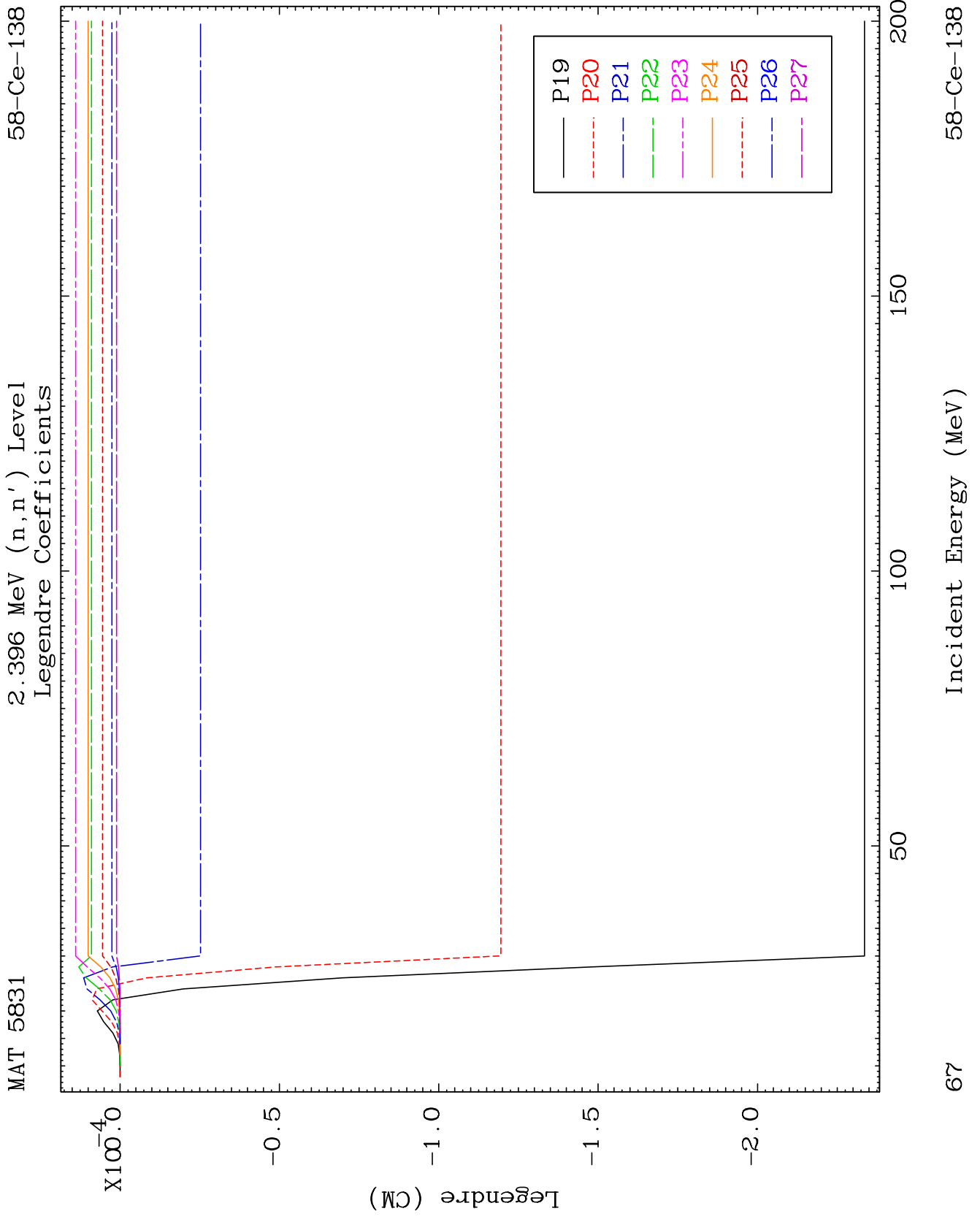
58-Ce-138



66

Incident Energy (MeV)

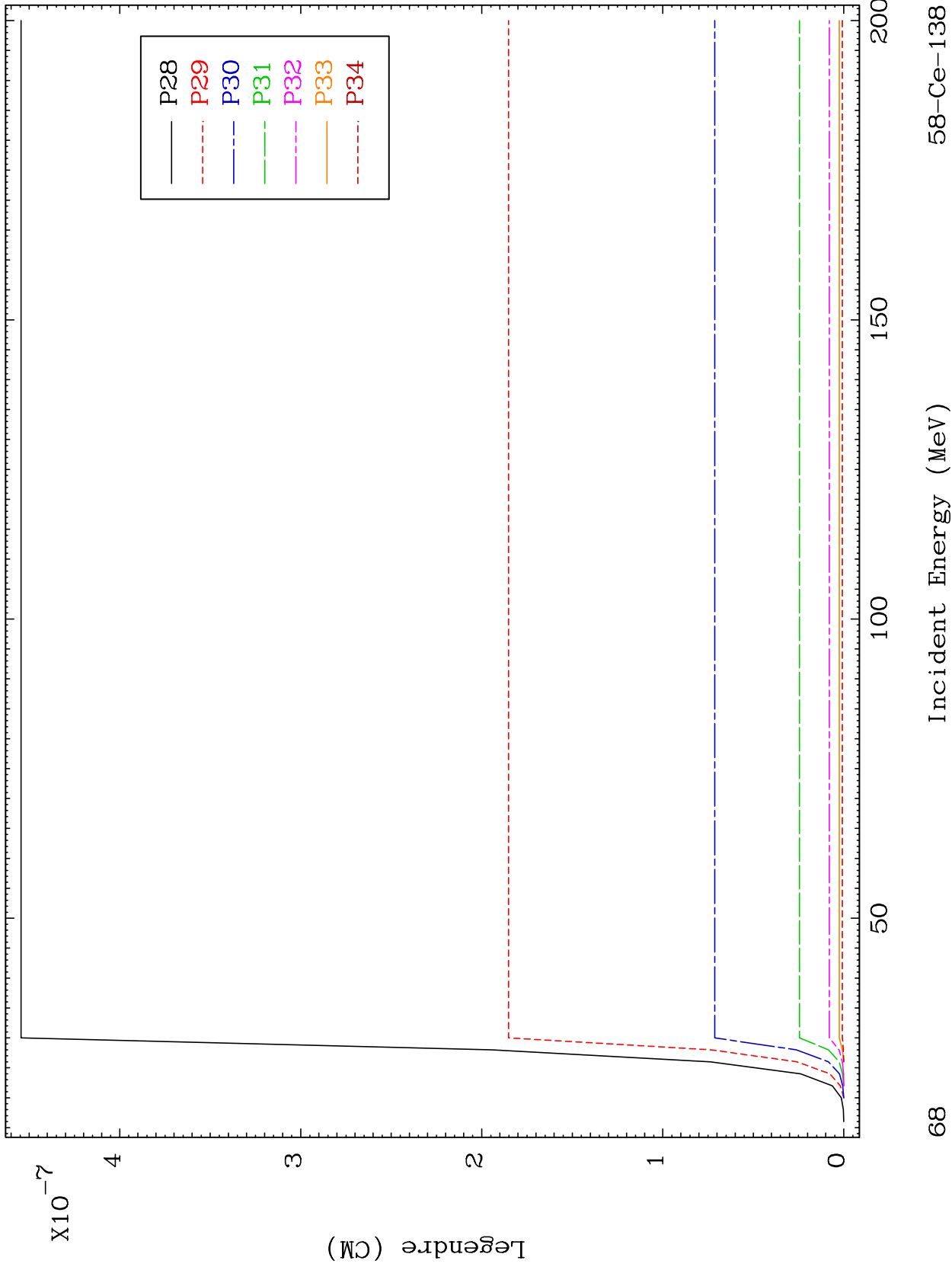
58-Ce-138



MAT 5831

2.396 MeV (n, n') Level  
Legendre Coefficients

58-Ce-138

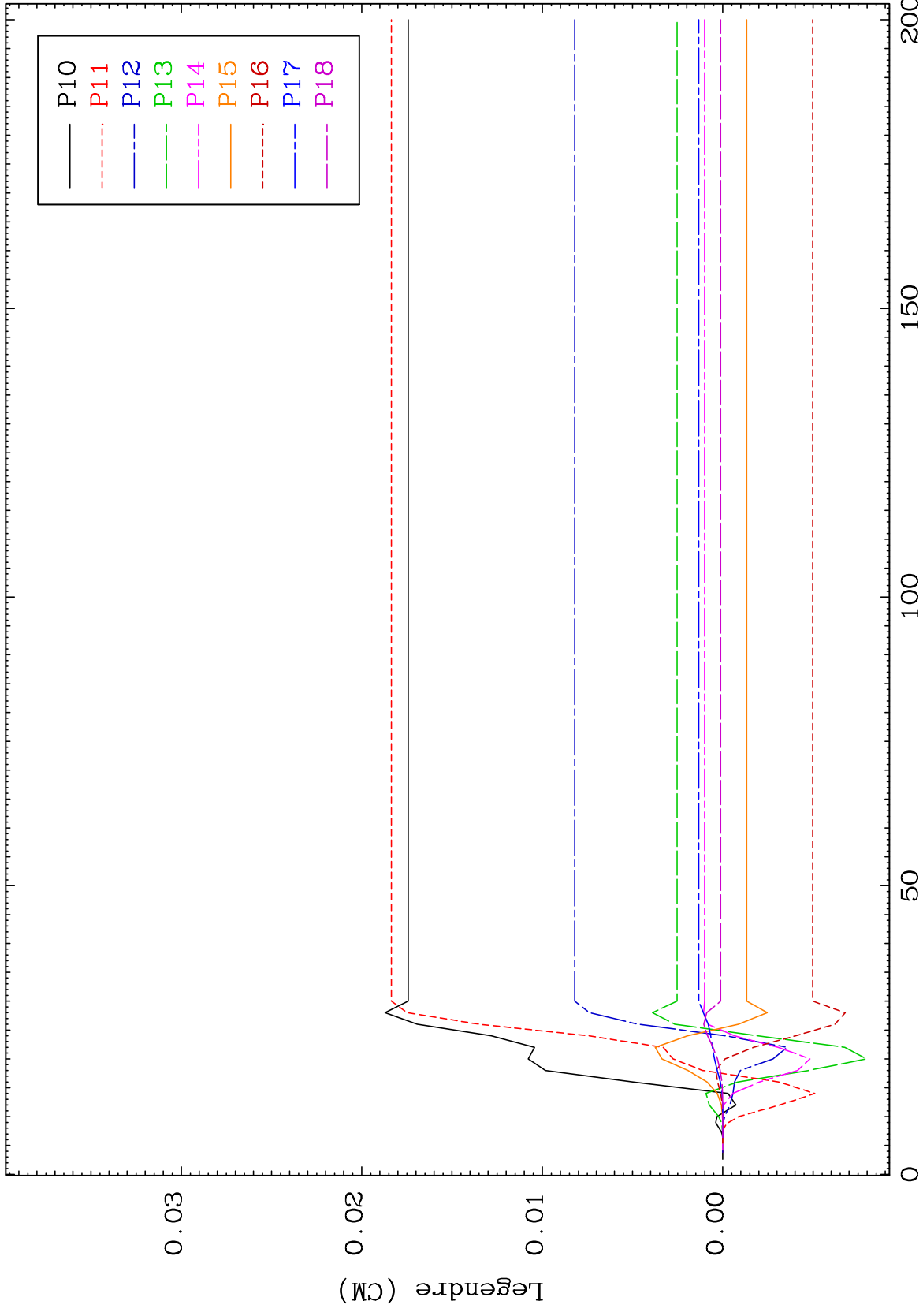




MAT 5831

2.444 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138



70

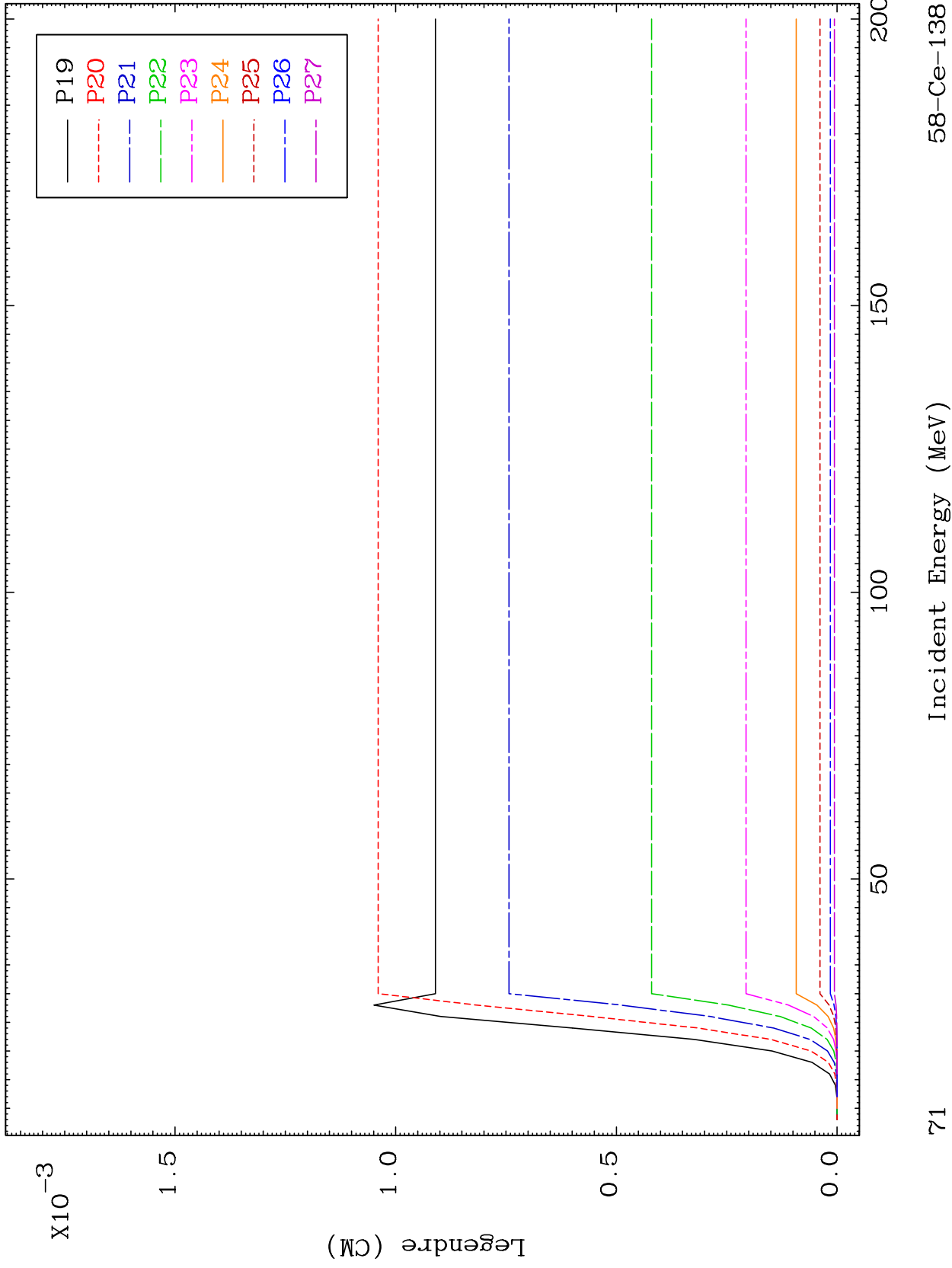
Incident Energy (MeV)

58-Ce-138

MAT 5831

2.444 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138

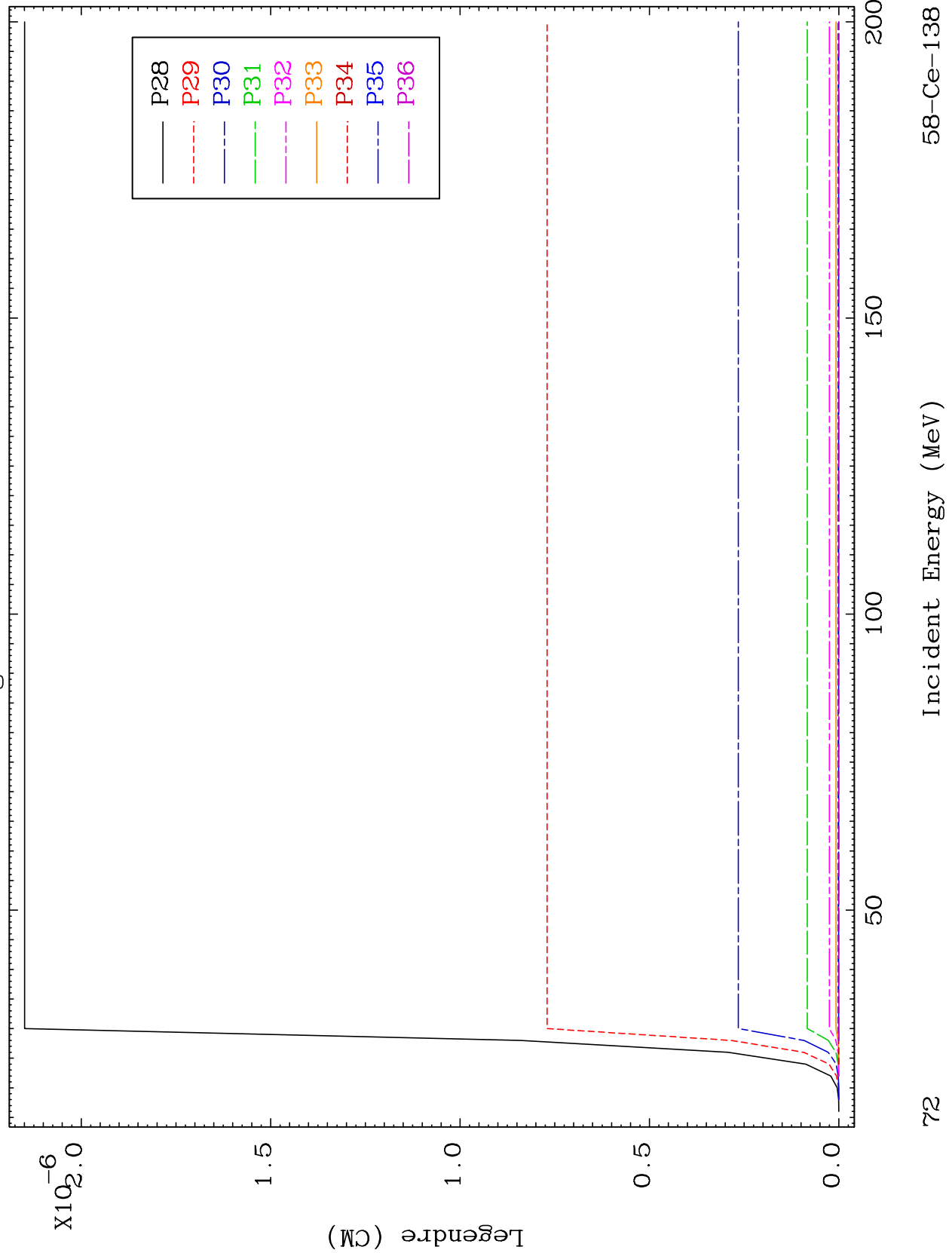




MAT 5831

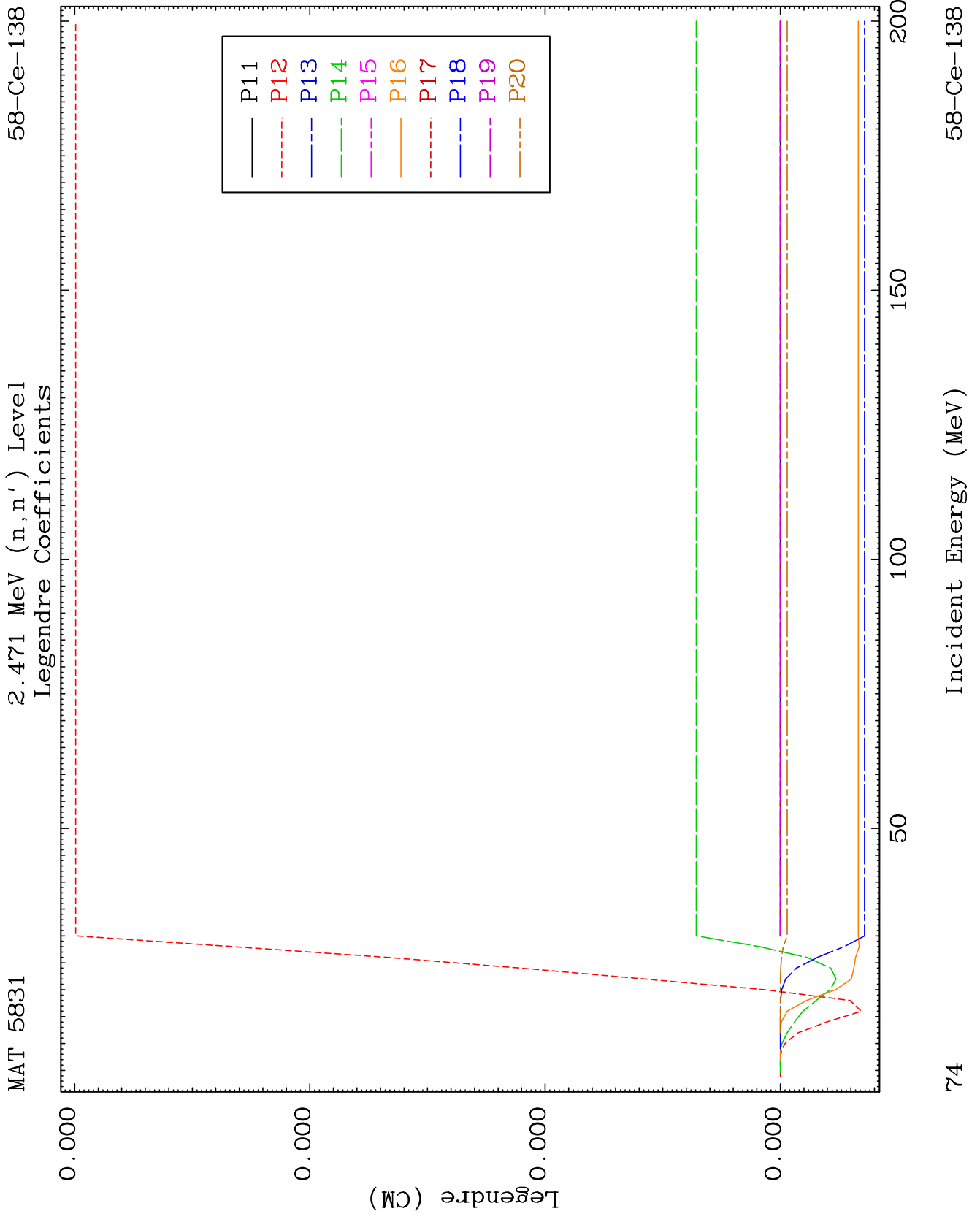
2.444 MeV (n,n') Level  
Legendre Coefficients

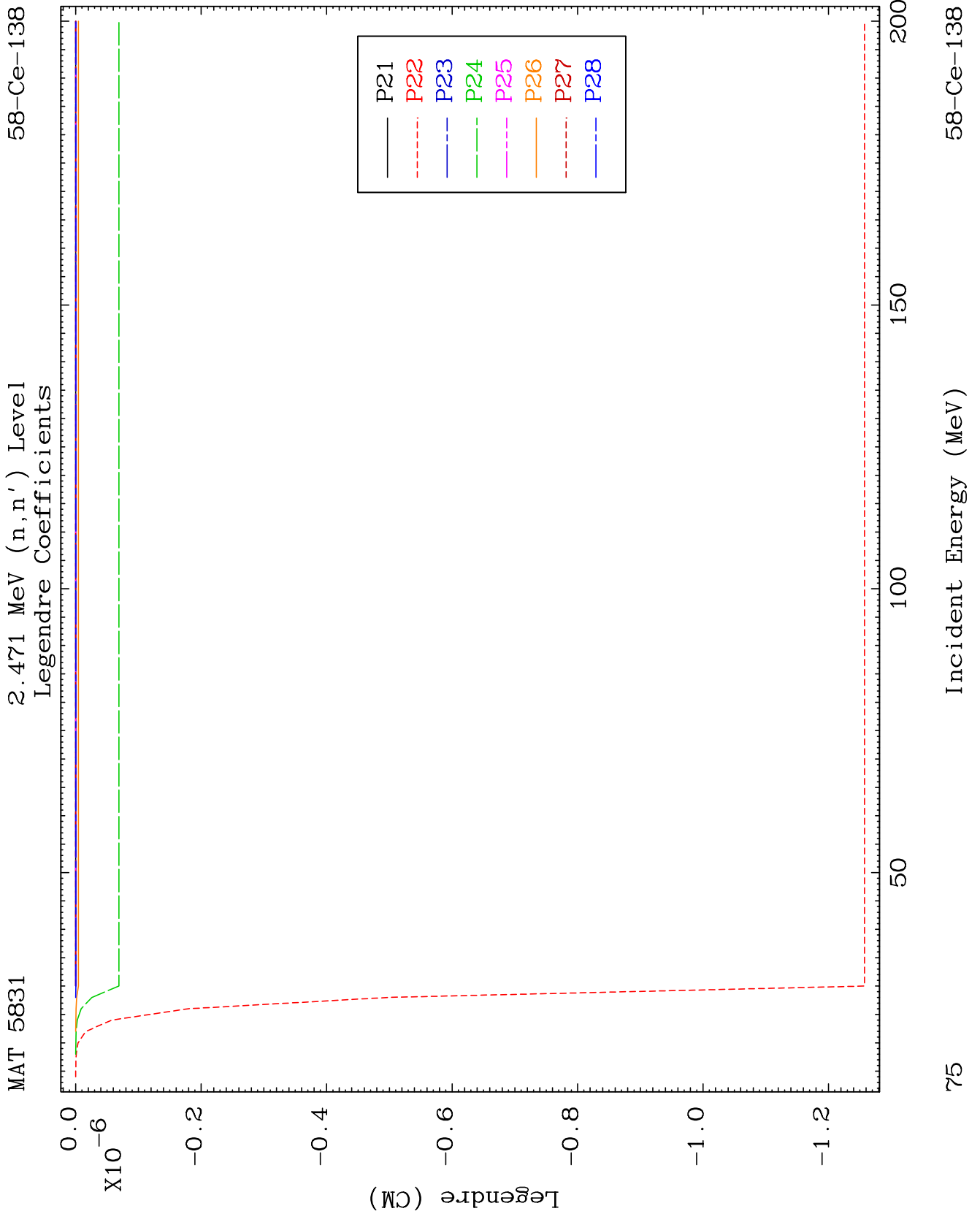
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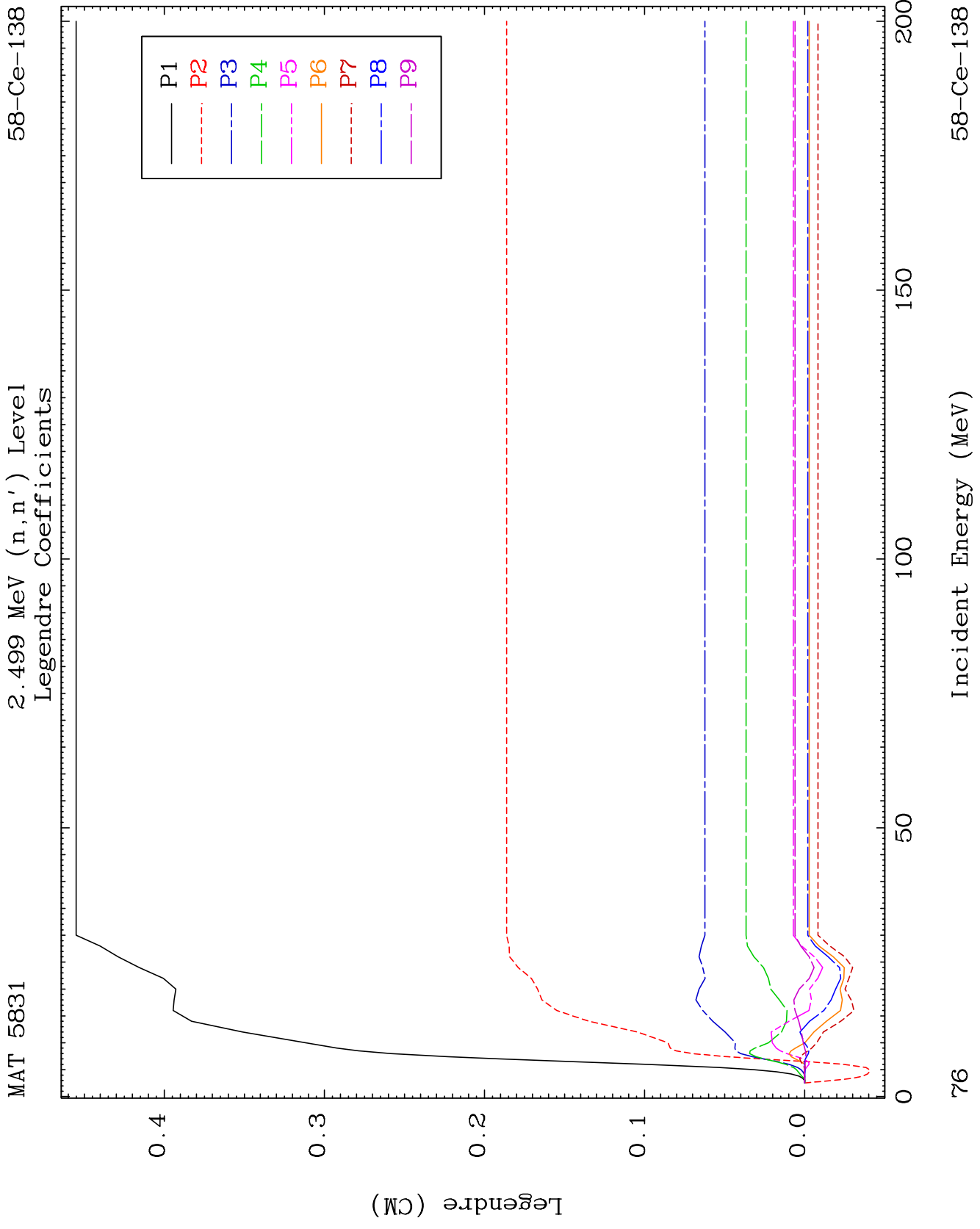


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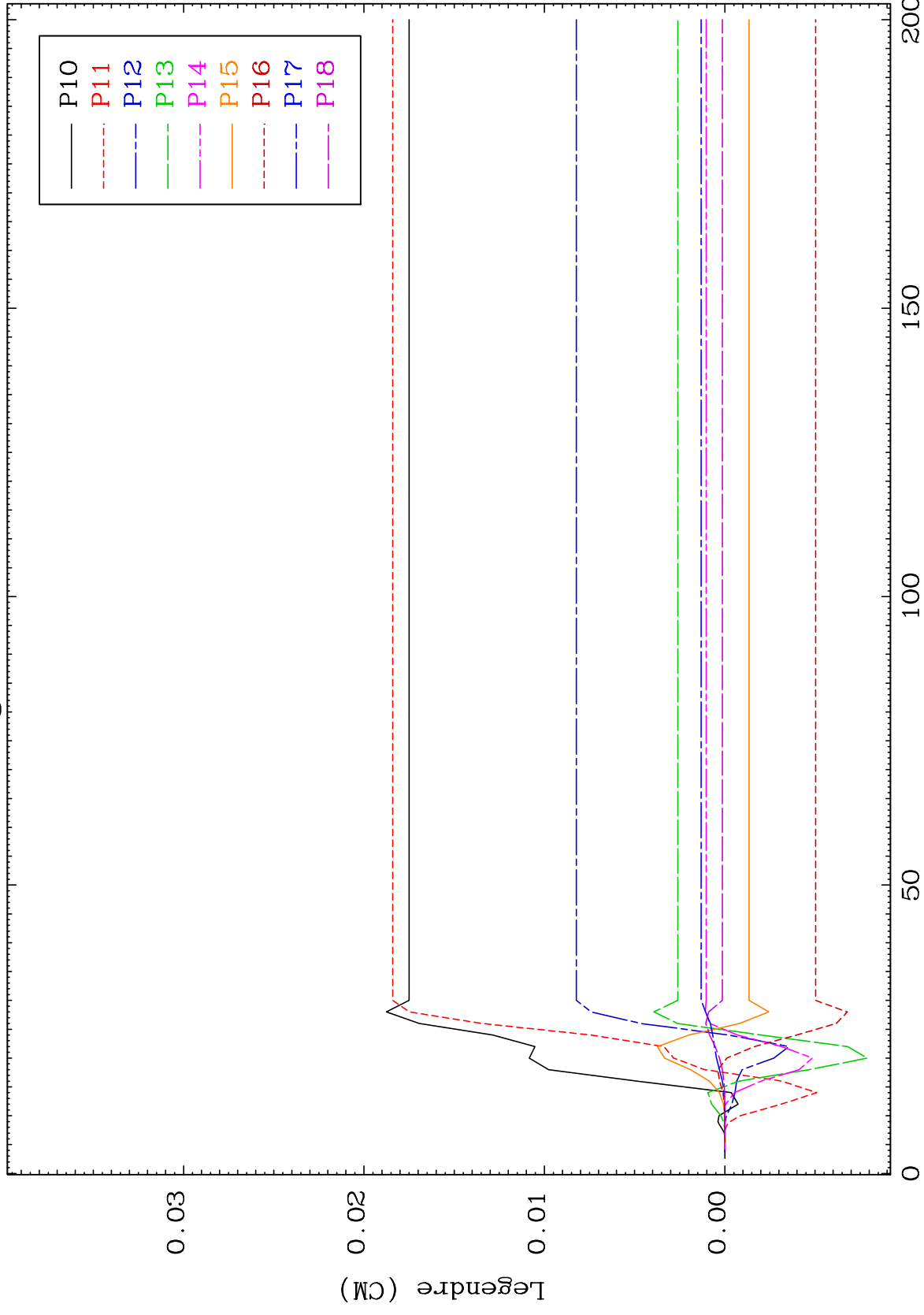




MAT 5831

2.499 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138



77

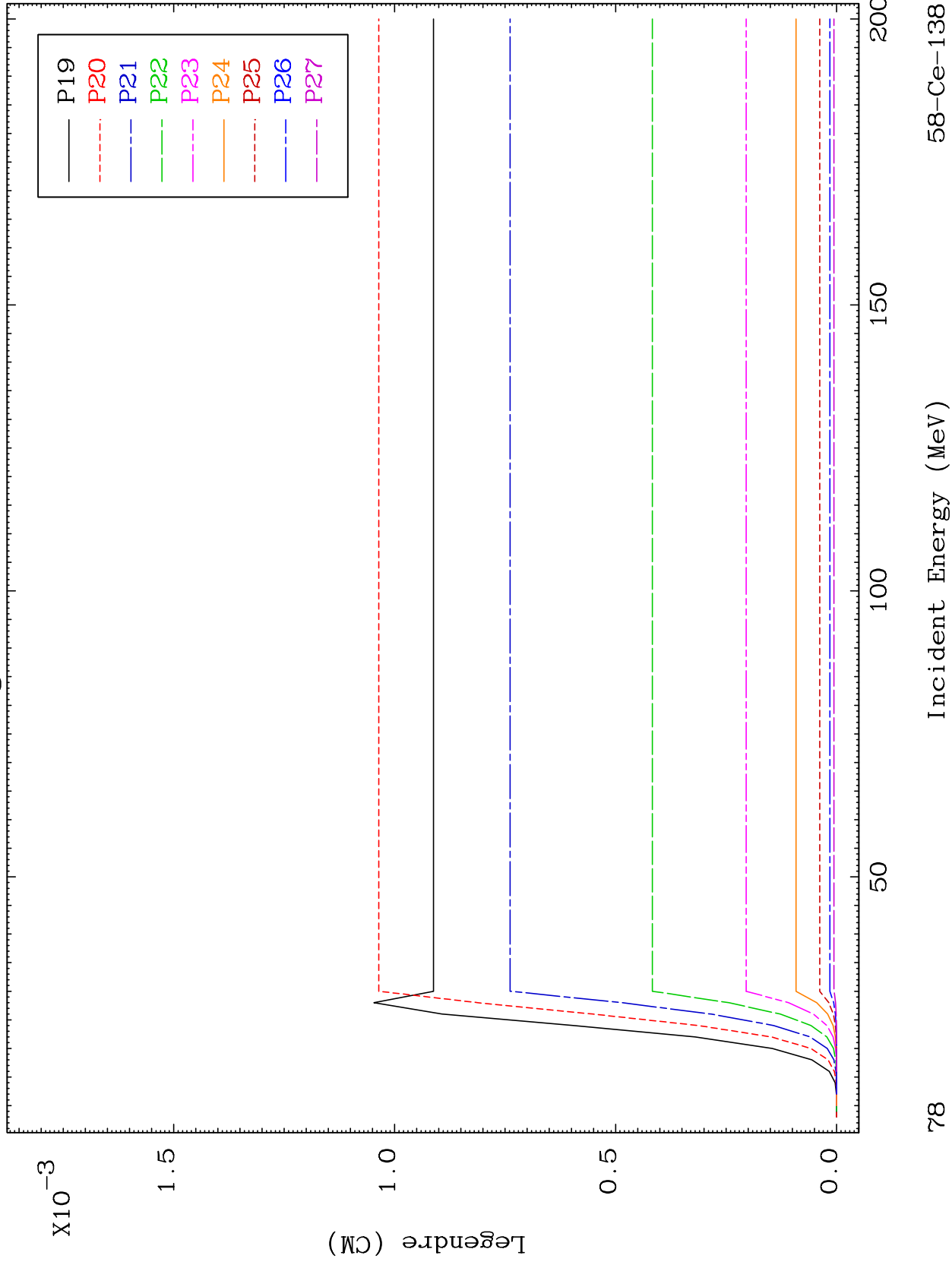
Incident Energy (MeV)

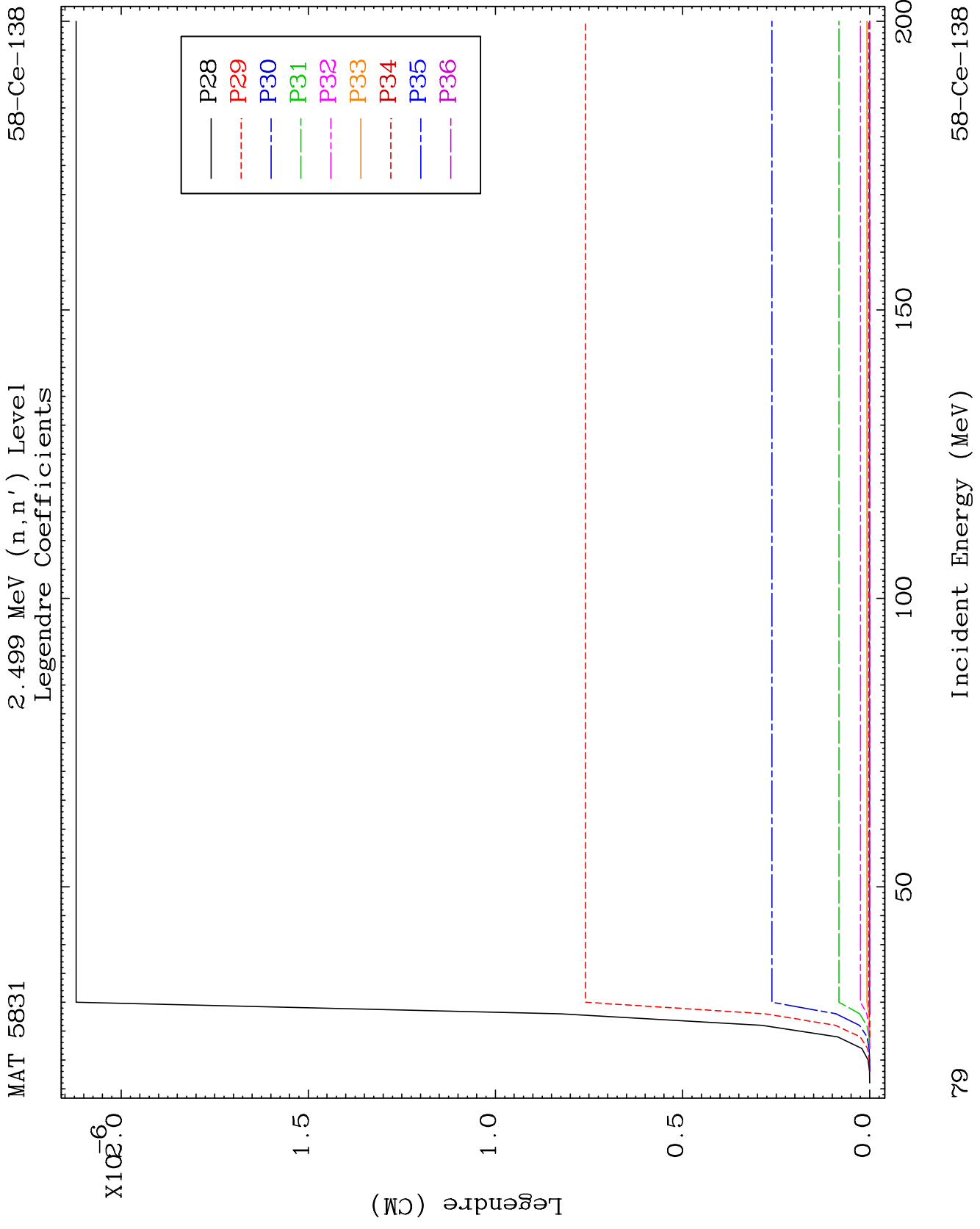
58-Ce-138

MAT 5831

2.499 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138





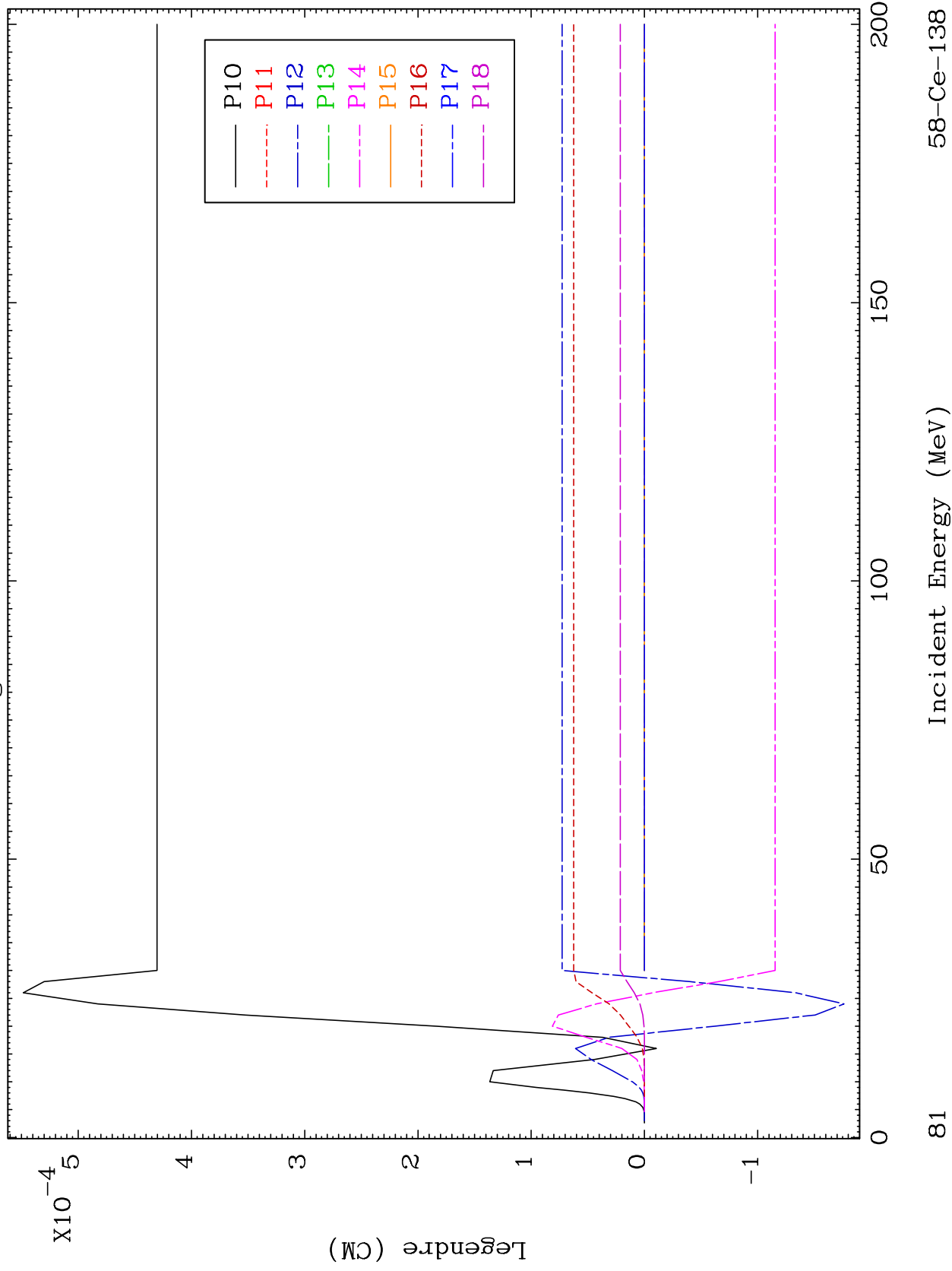




MAT 5831

2.526 MeV (n,n') Level  
Legendre Coefficients

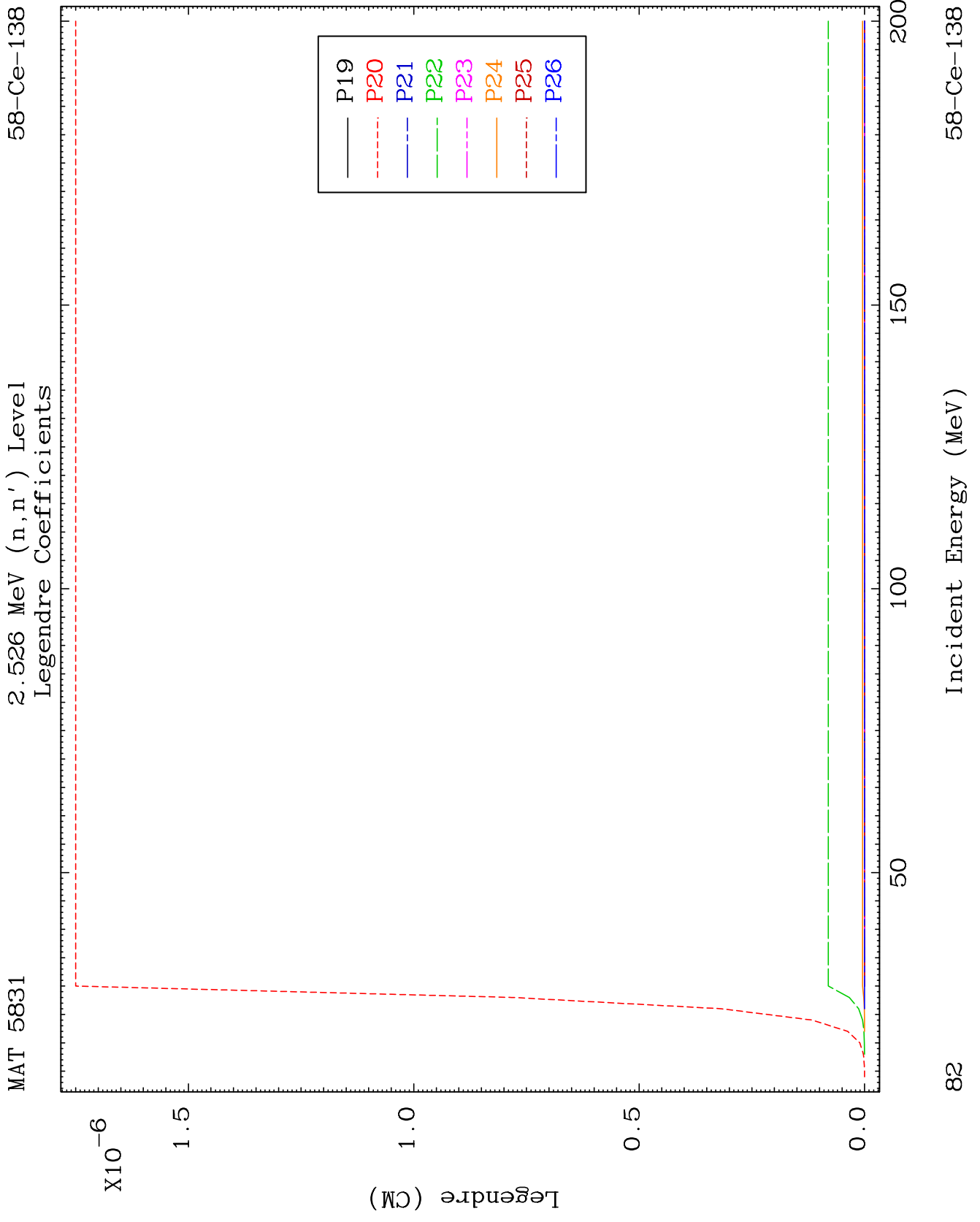
58-Ce-138



81

Incident Energy (MeV)

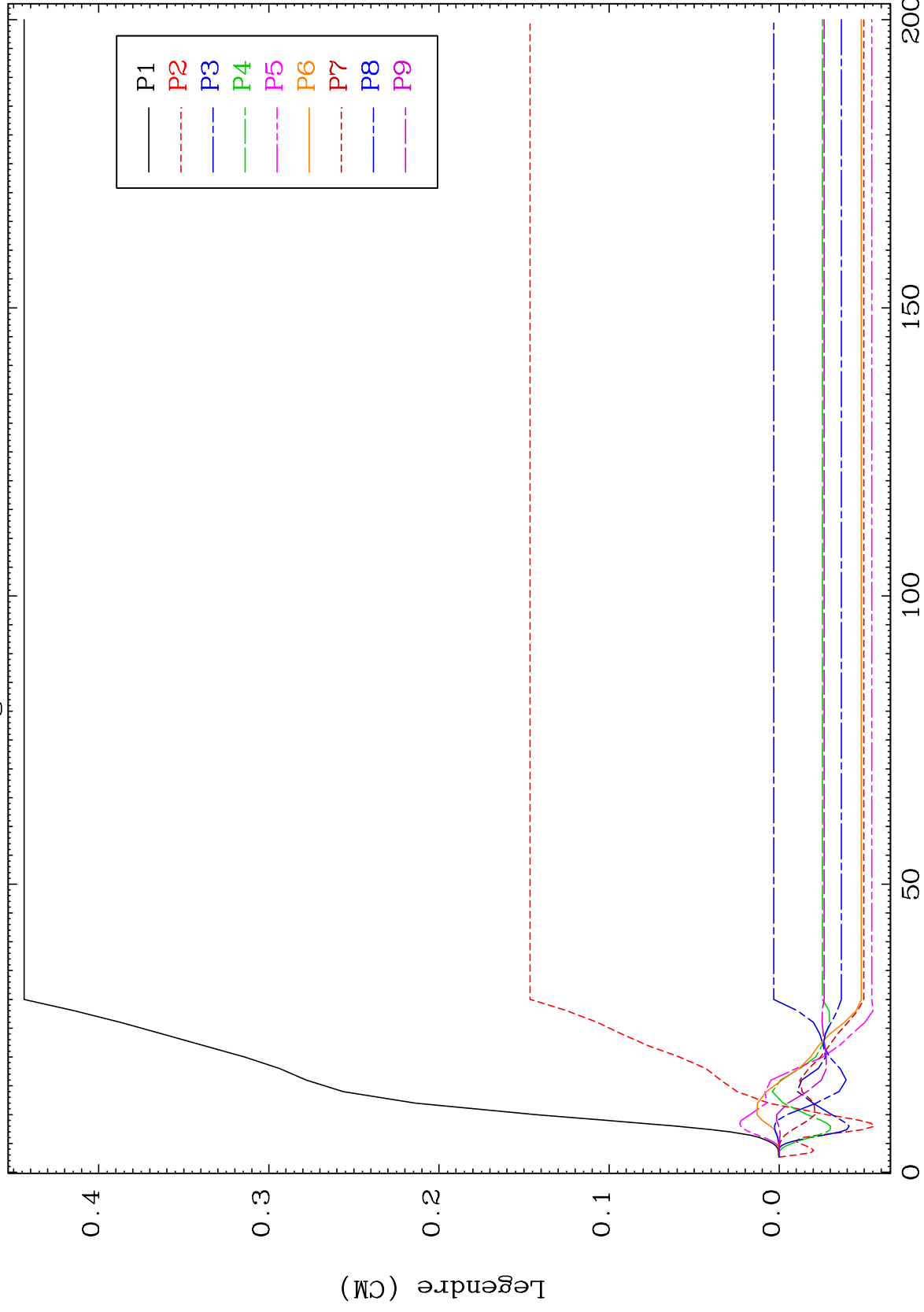
58-Ce-138



MAT 5831

2.593 MeV (n,n') Level  
Legendre Coefficients

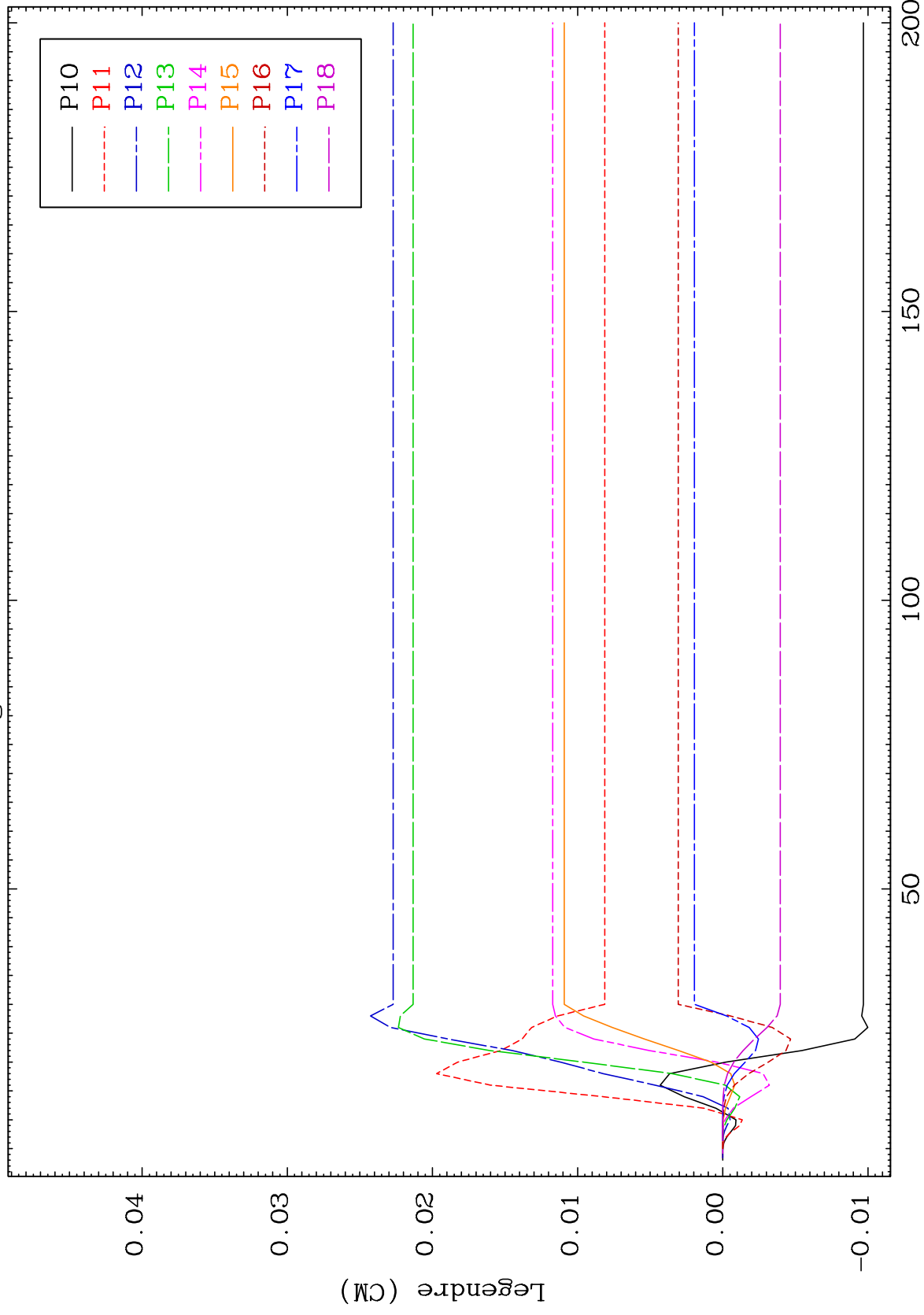
58-Ce-138



83

Incident Energy (MeV)

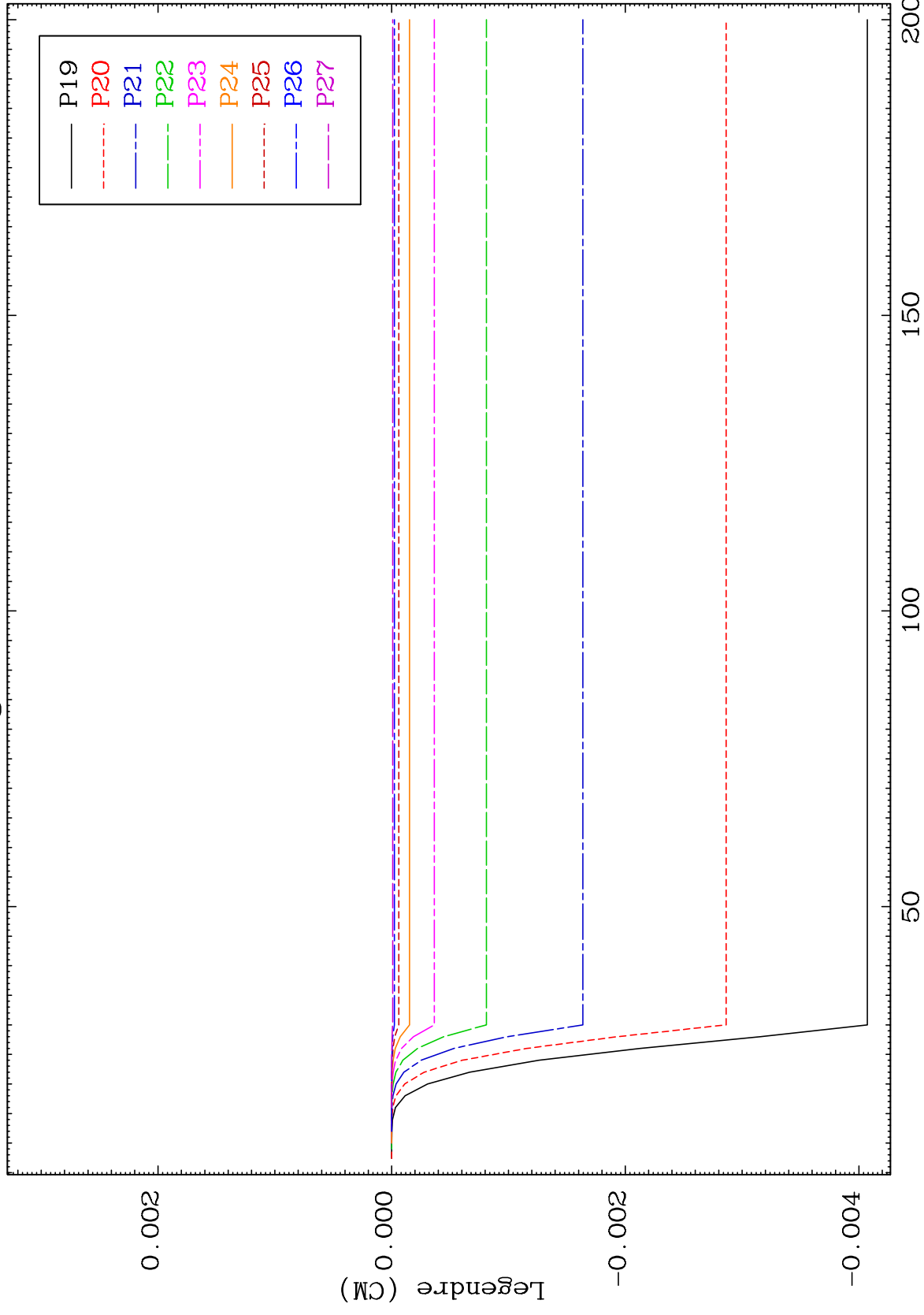
58-Ce-138



MAT 5831

2.593 MeV (n,n') Level  
Legendre Coefficients

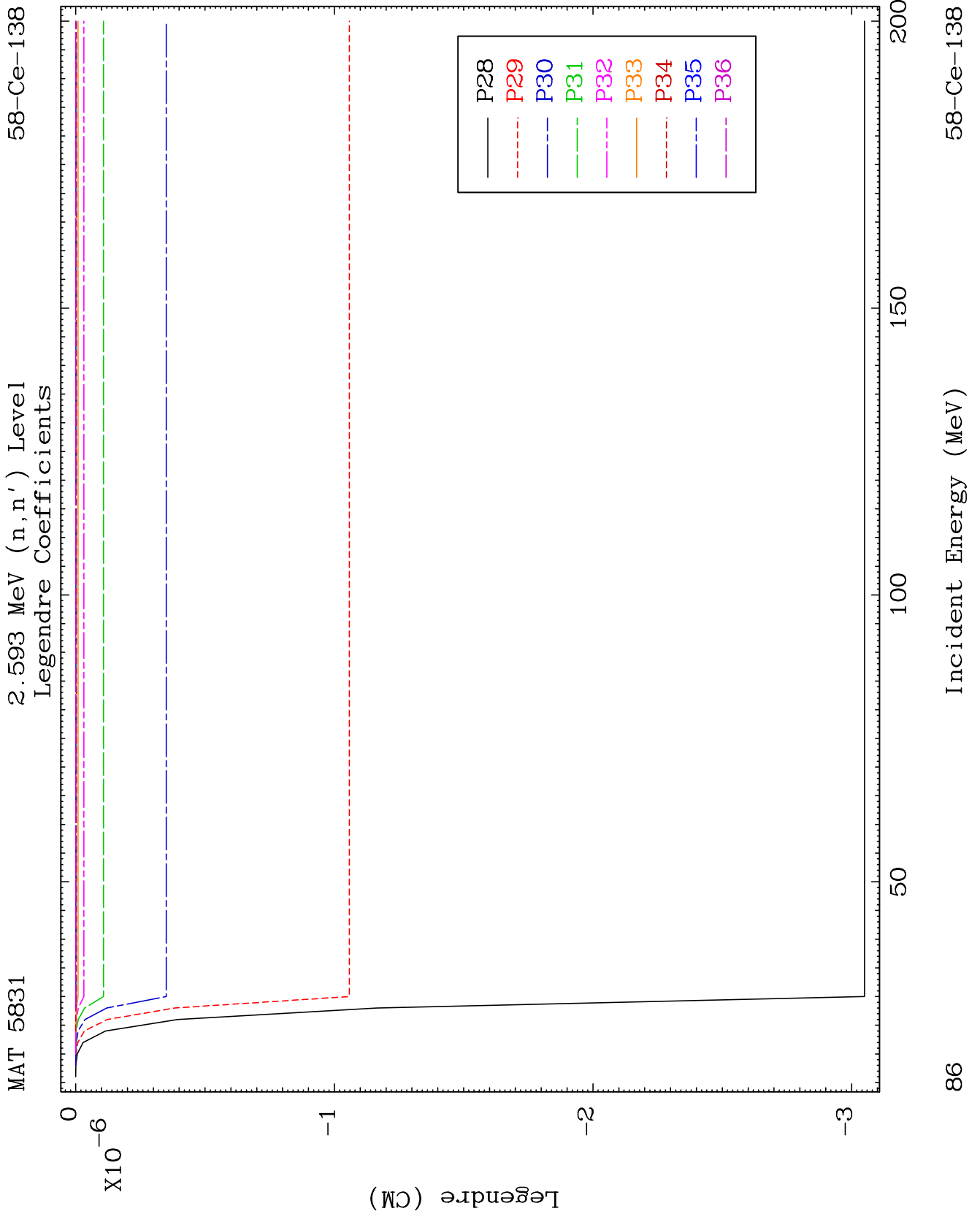
58-Ce-138

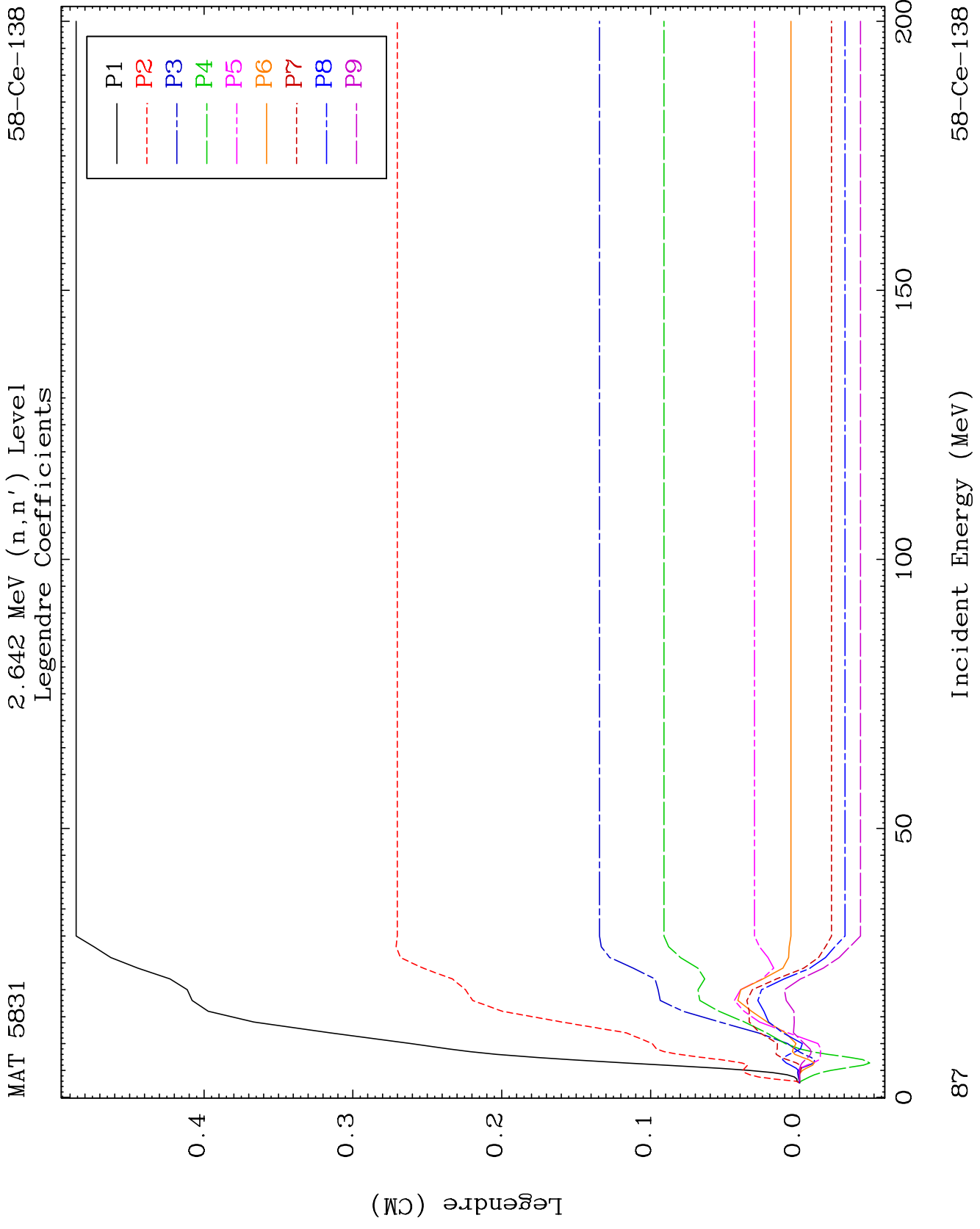


85

Incident Energy (MeV)

58-Ce-138



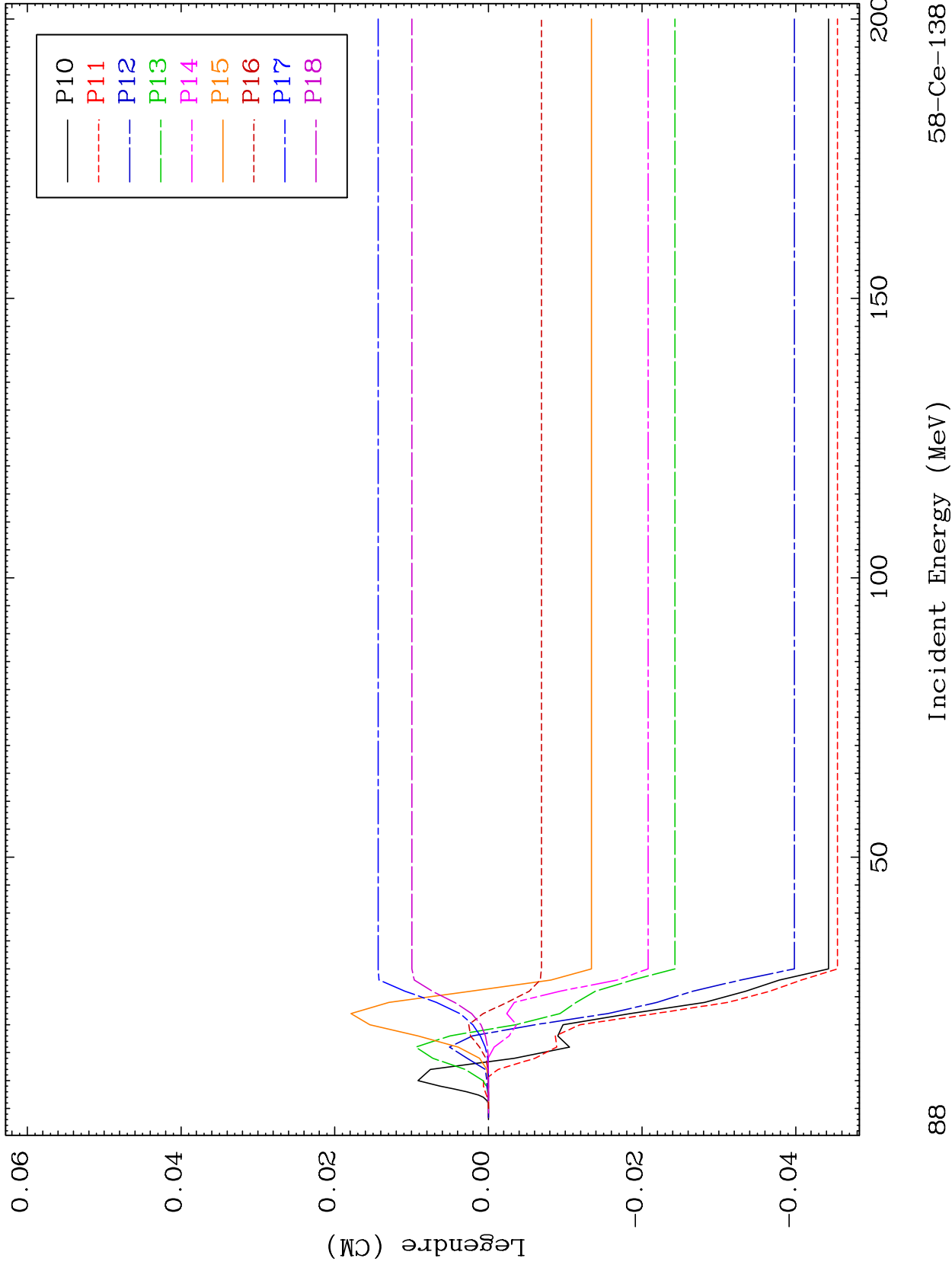




MAT 5831

2.642 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138



88

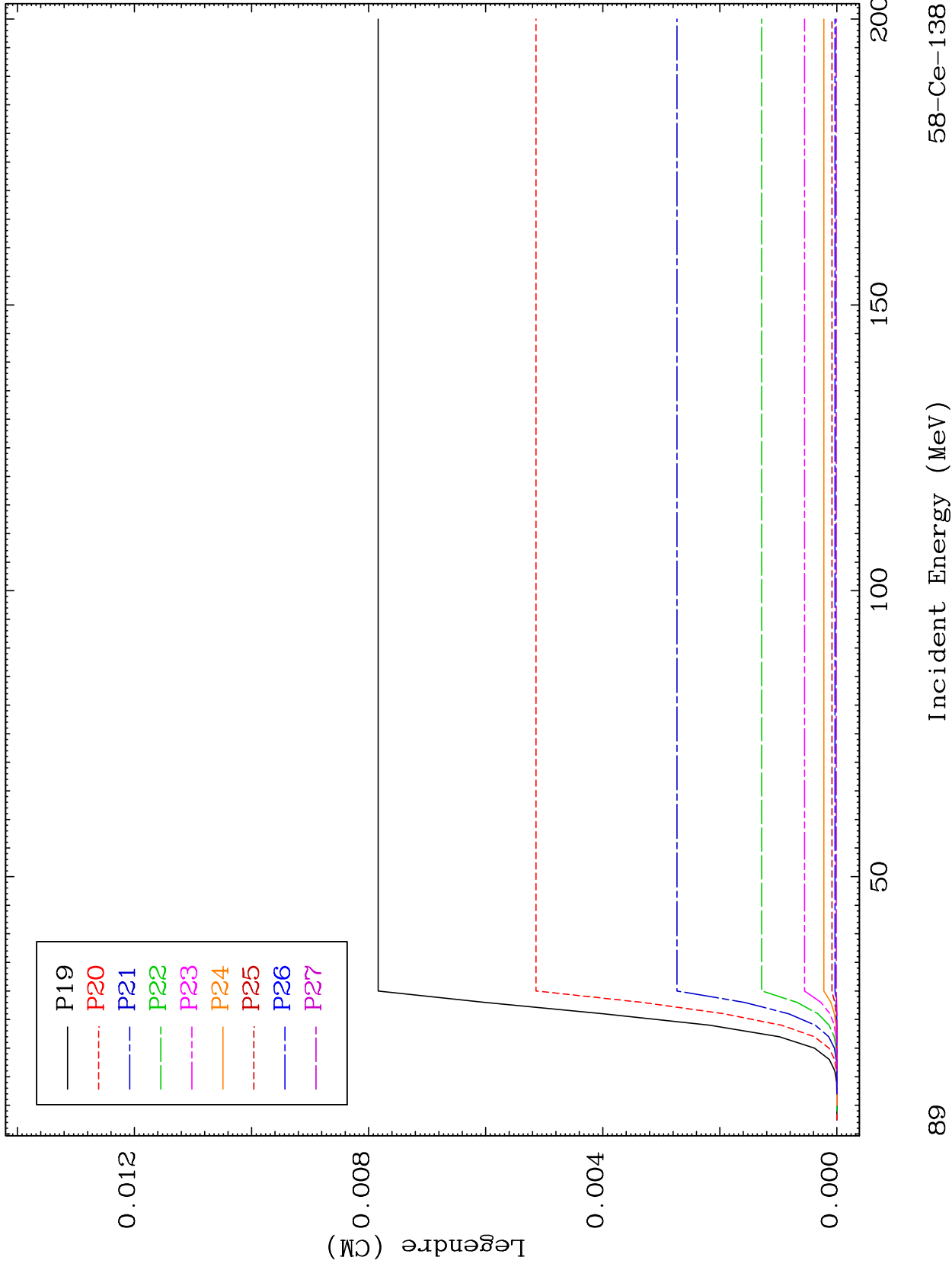
Incident Energy (MeV)

58-Ce-138

MAT 5831

2.642 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138



89

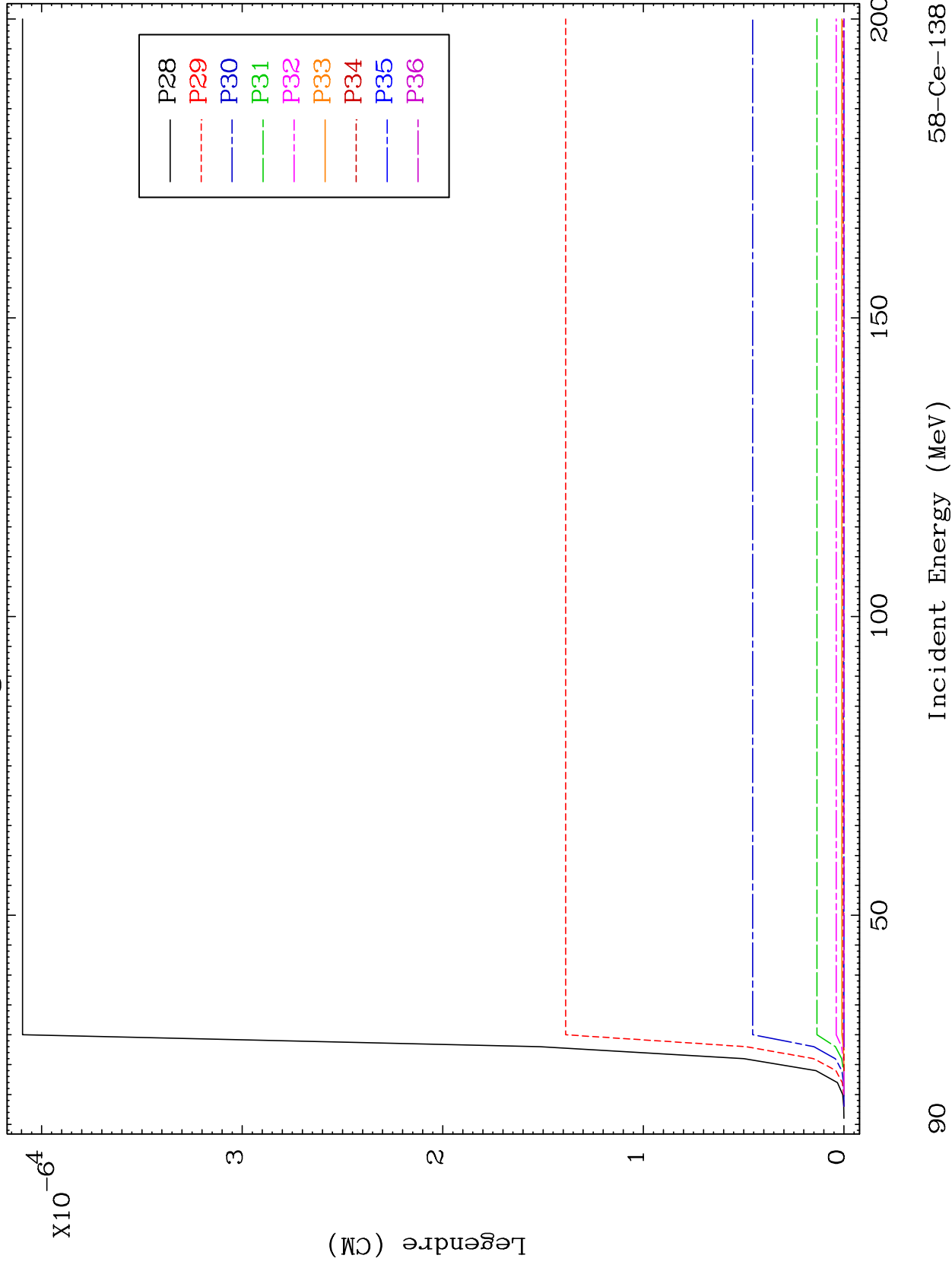
Incident Energy (MeV)

58-Ce-138

MAT 5831

2.642 MeV (n,n') Level  
Legendre Coefficients

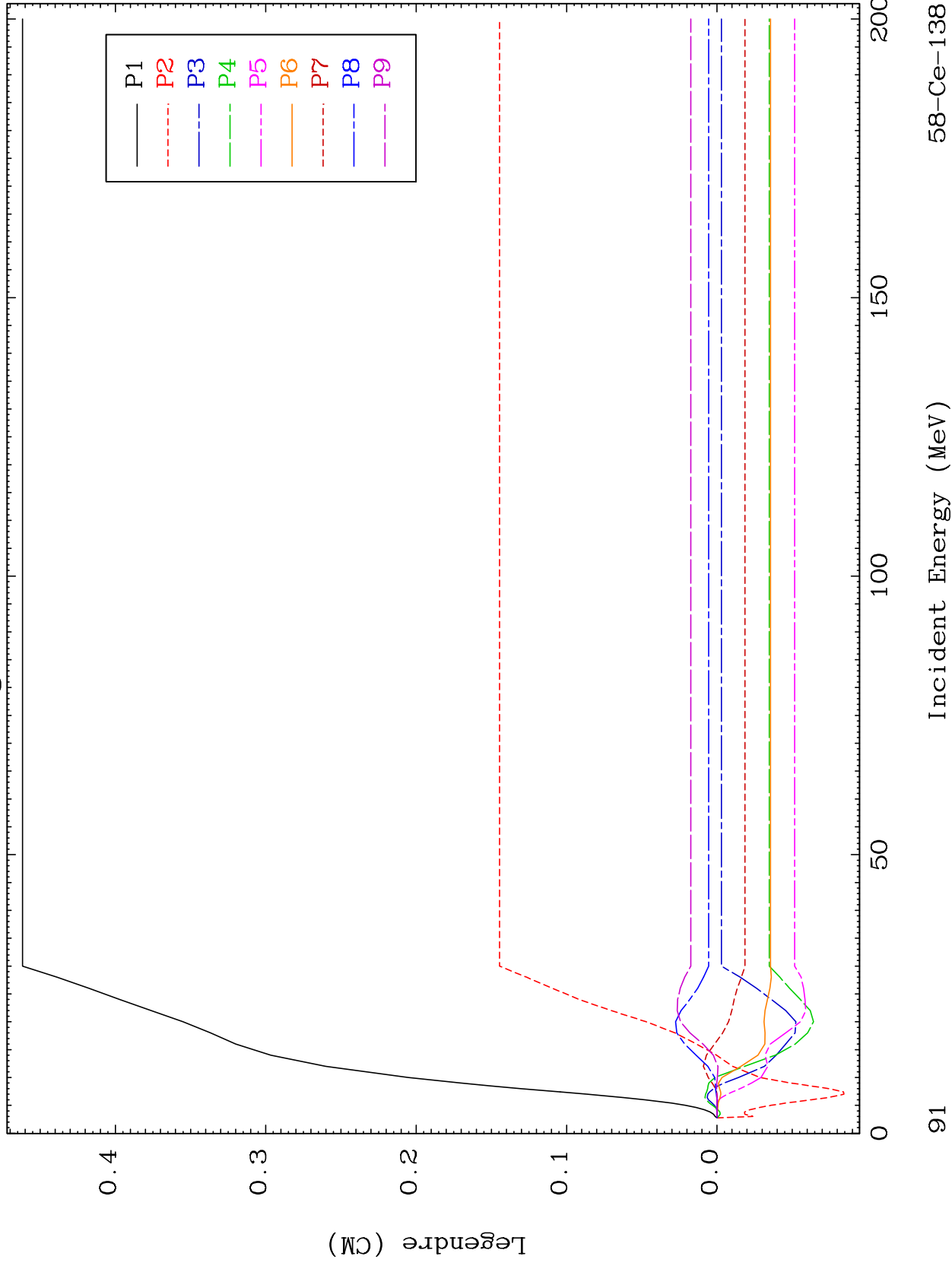
58-Ce-138



MAT 5831

2.719 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138



91

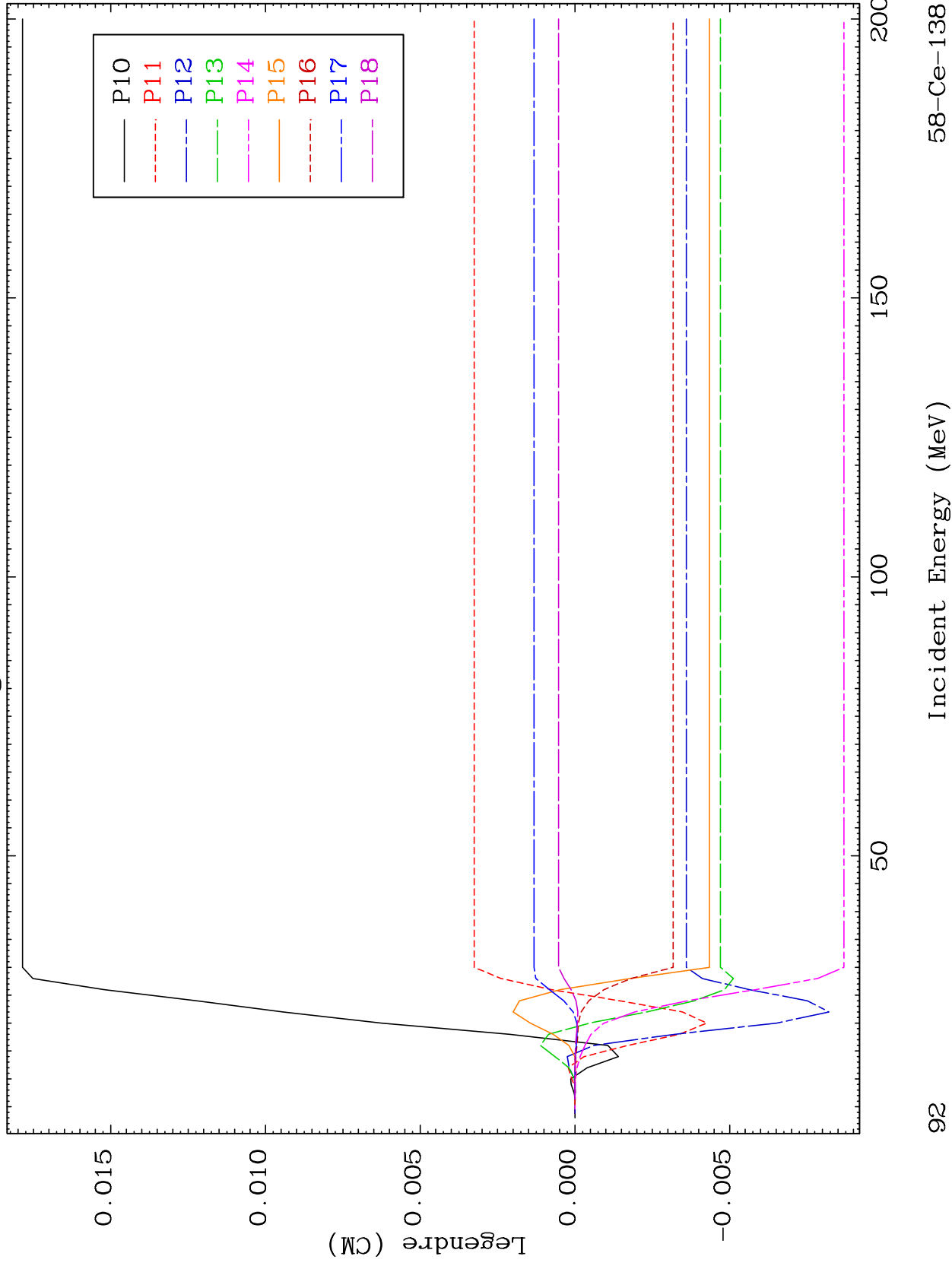
Incident Energy (MeV)

58-Ce-138

MAT 5831

2.719 MeV (n, n') Level  
Legendre Coefficients

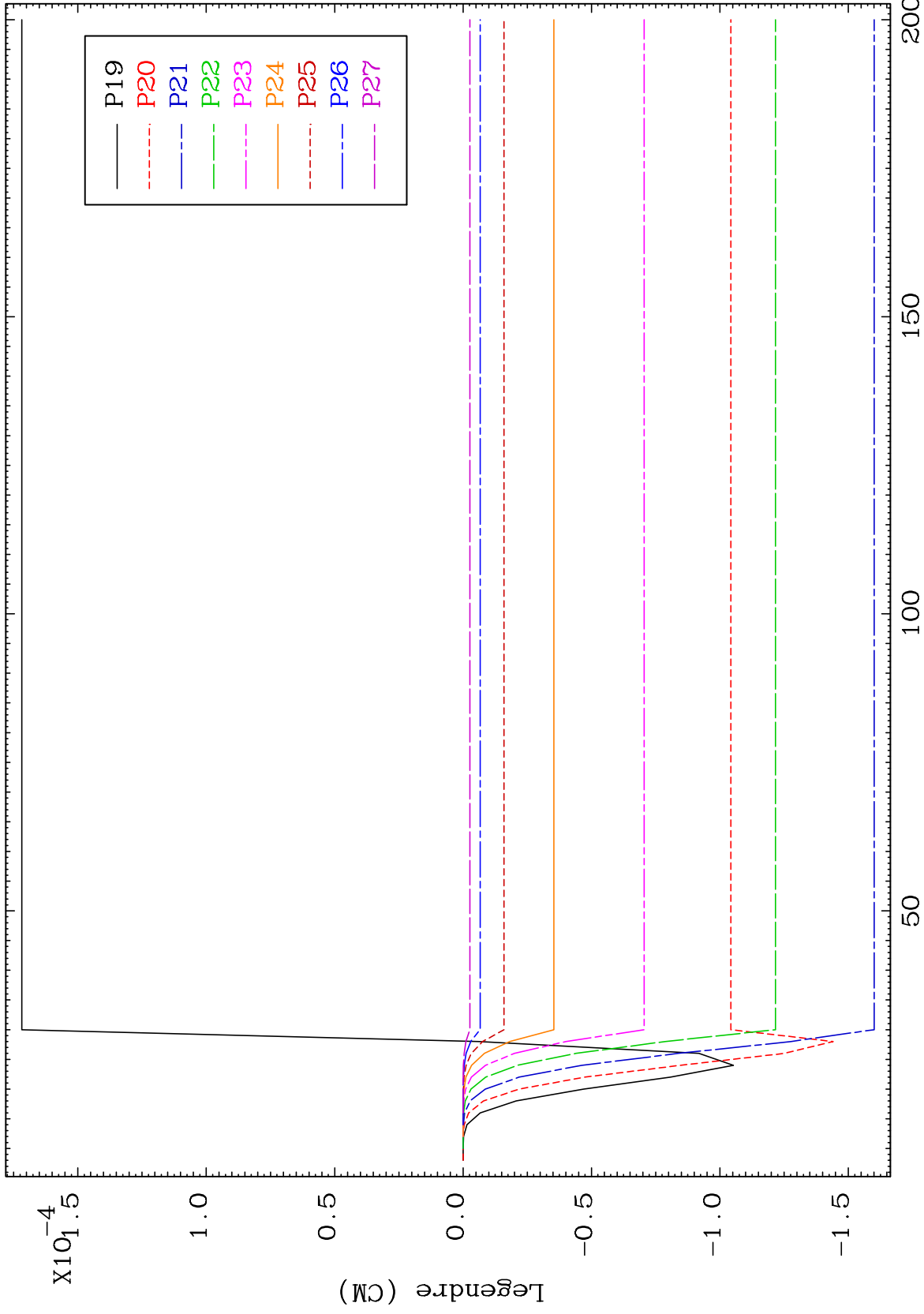
58-Ce-138

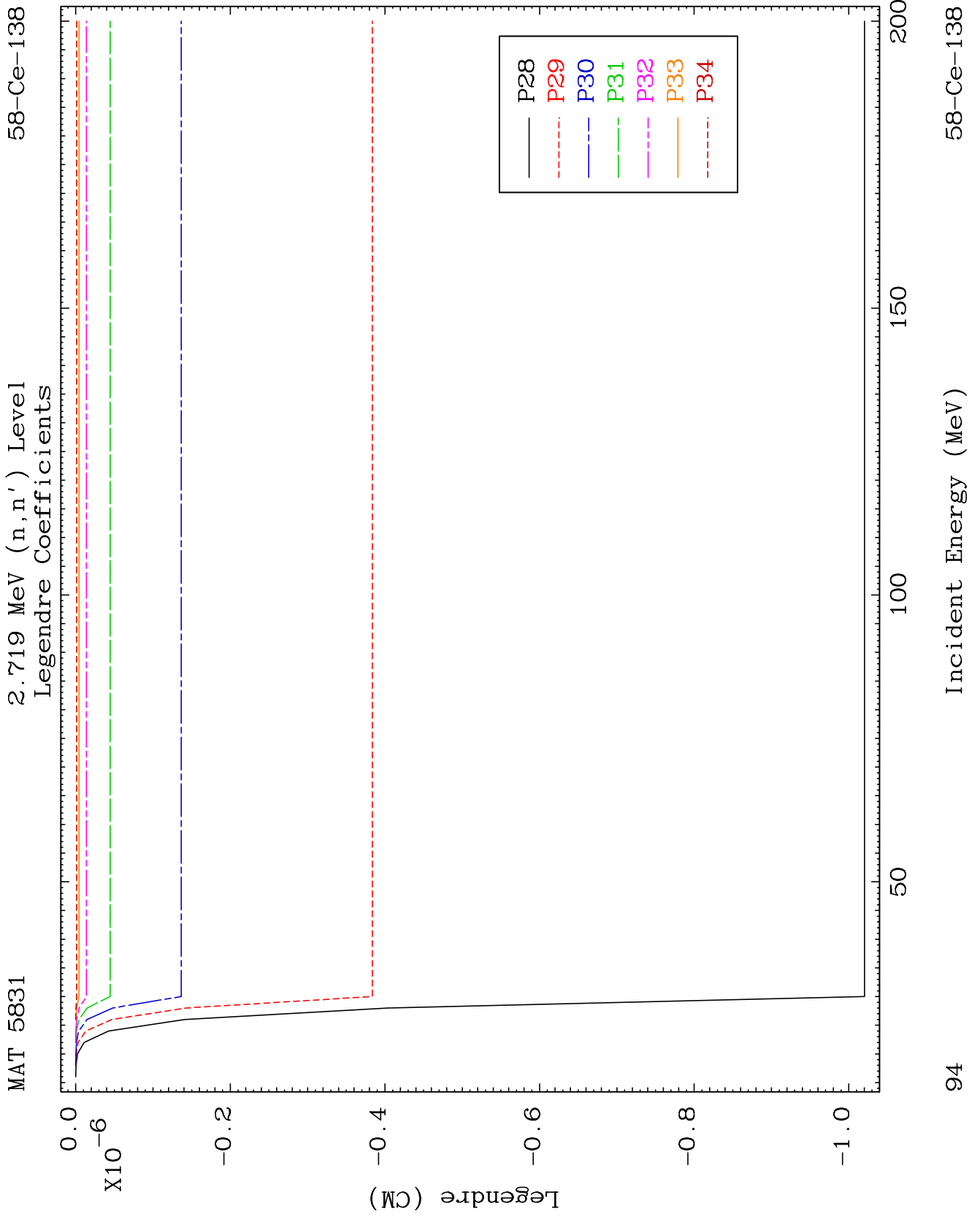


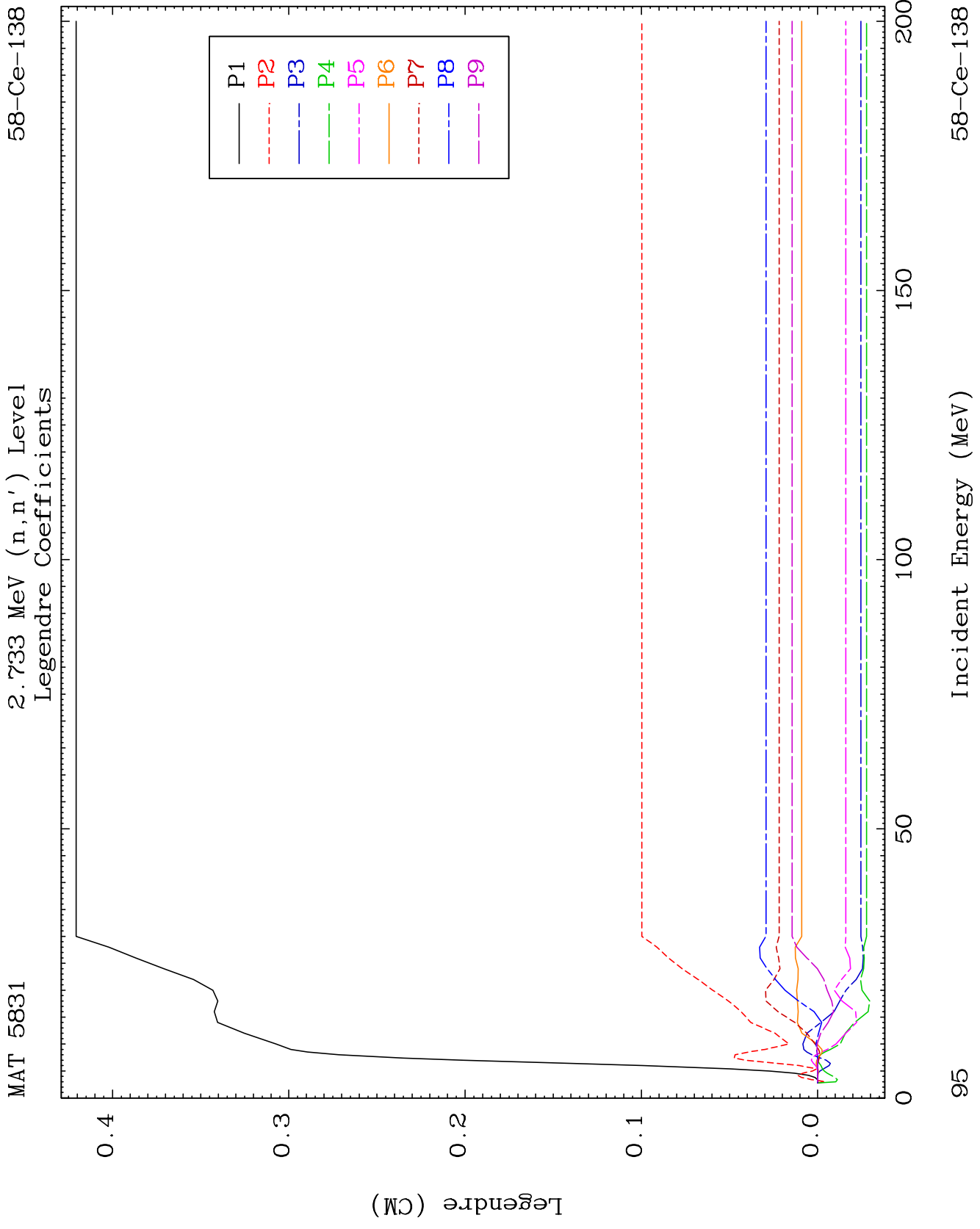
92

Incident Energy (MeV)

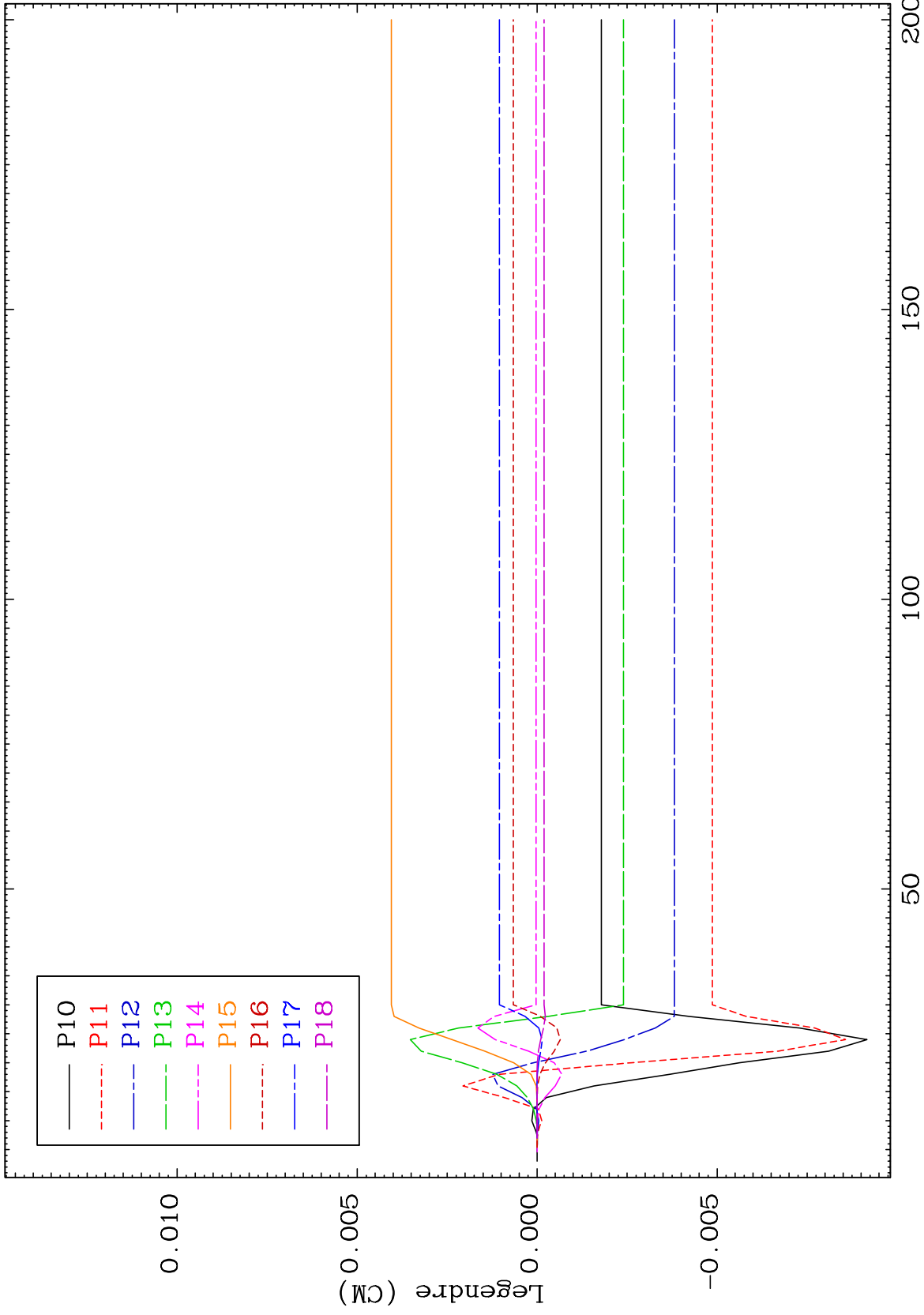
58-Ce-138

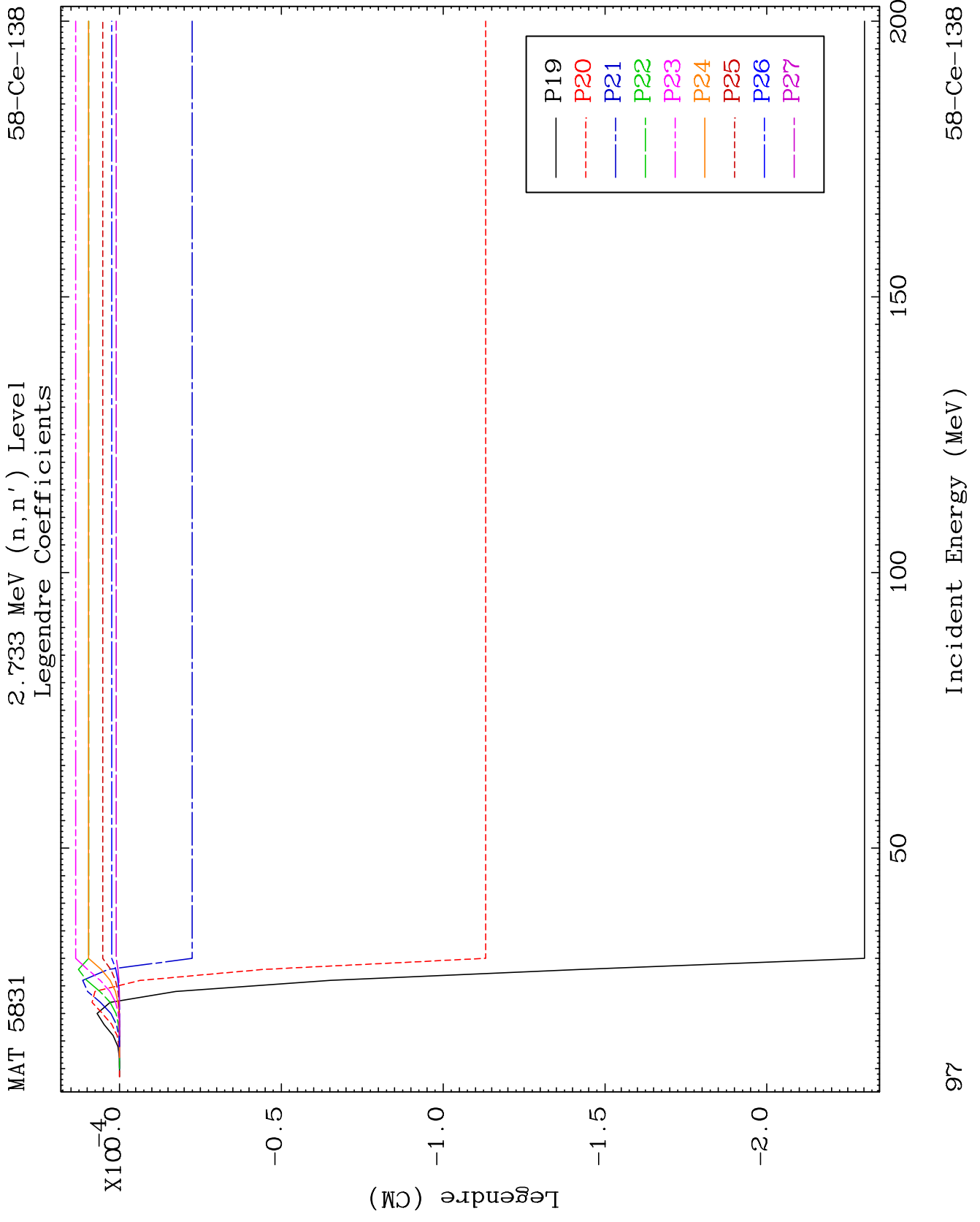








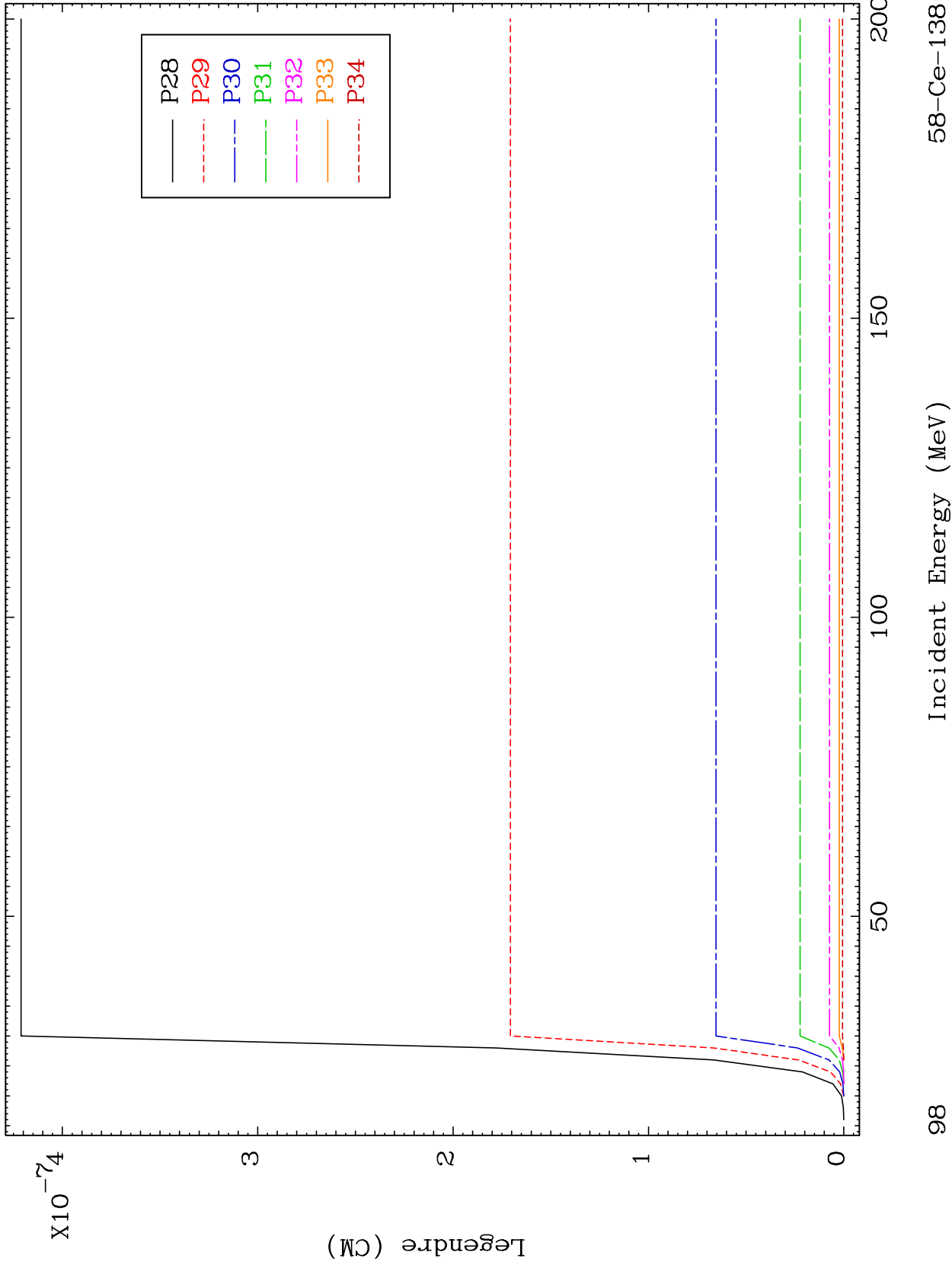


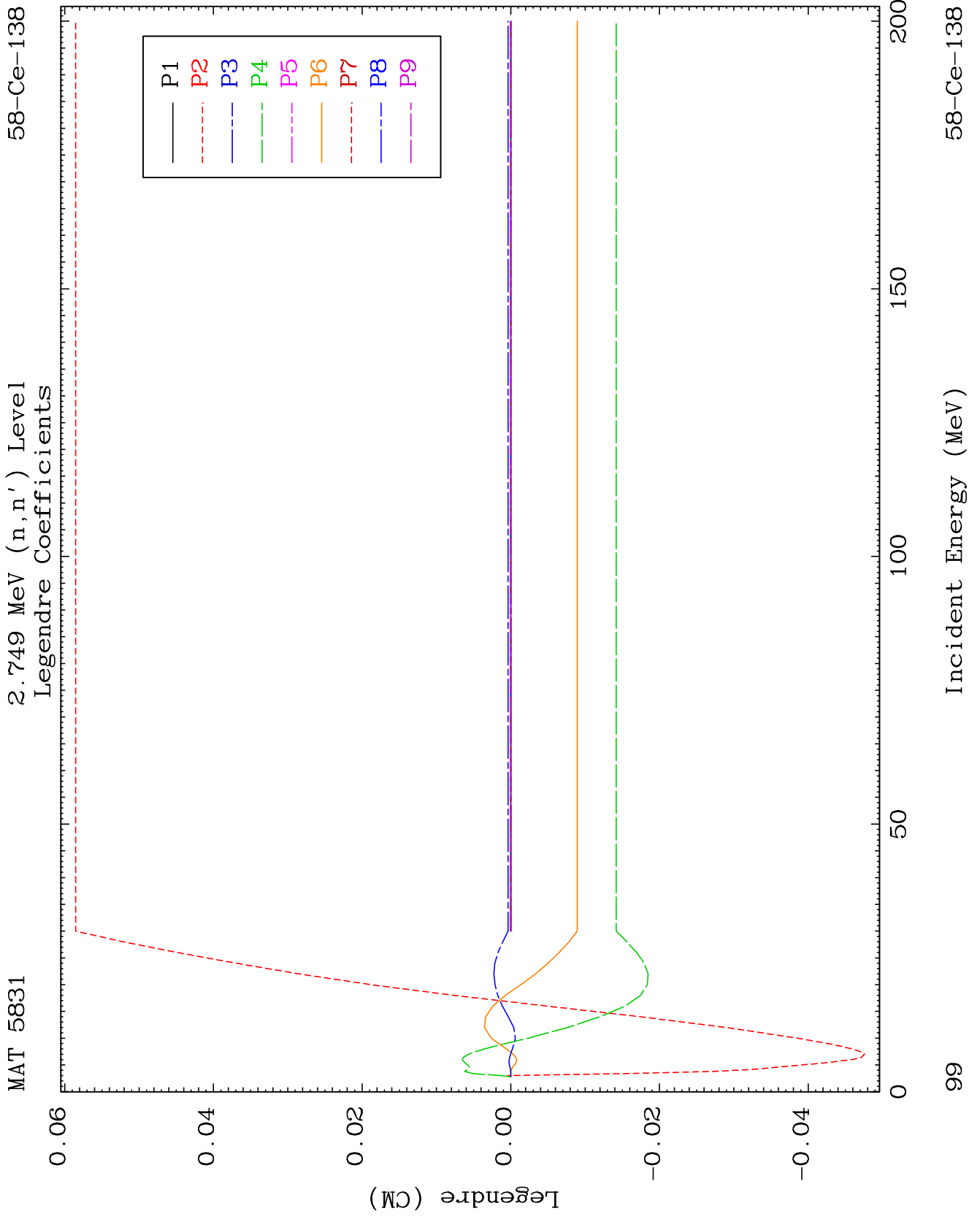


MAT 5831

2.733 MeV (n, n') Level  
Legendre Coefficients

58-Ce-138

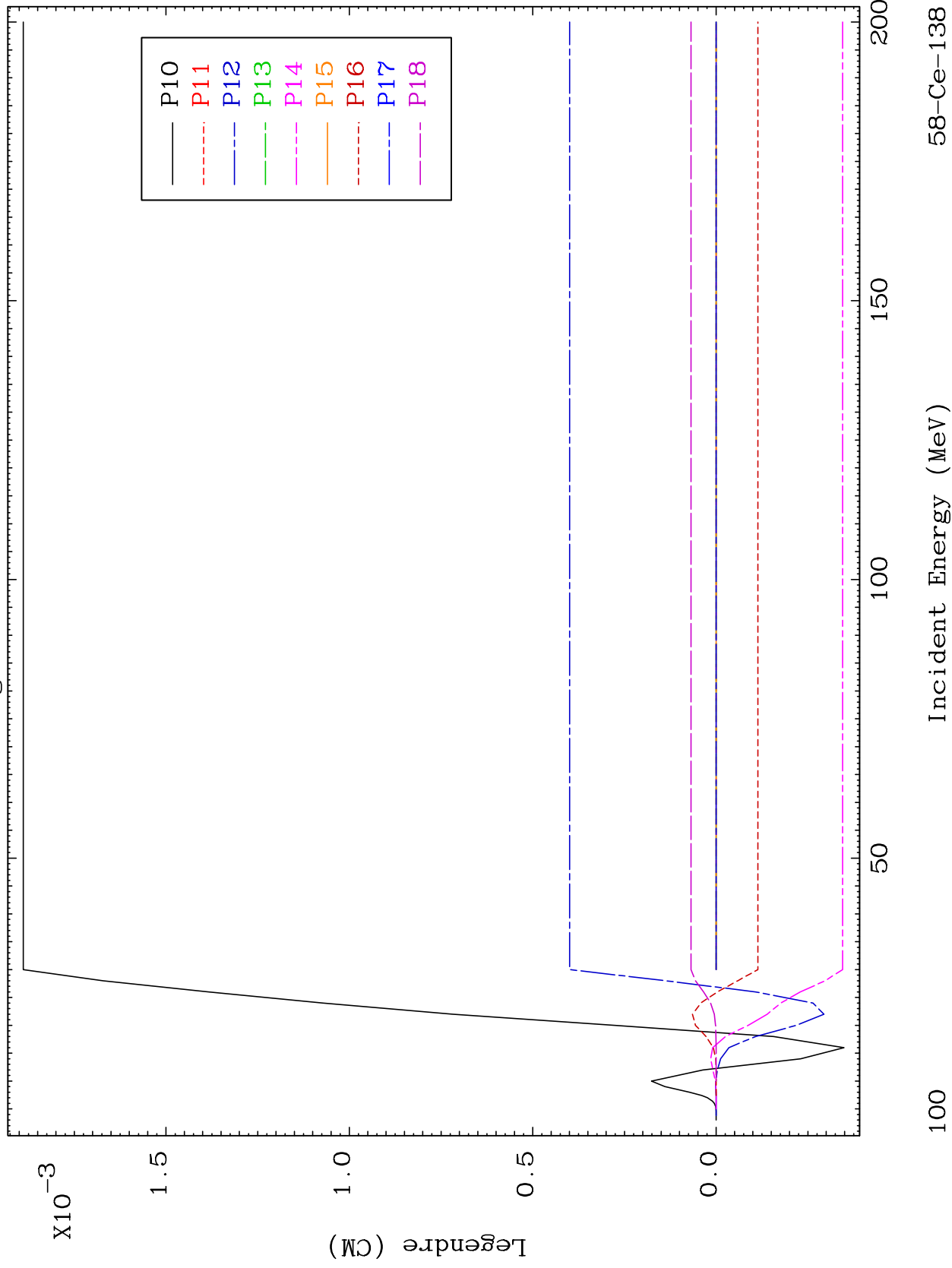




MAT 5831

2.749 MeV (n, n') Level  
Legendre Coefficients

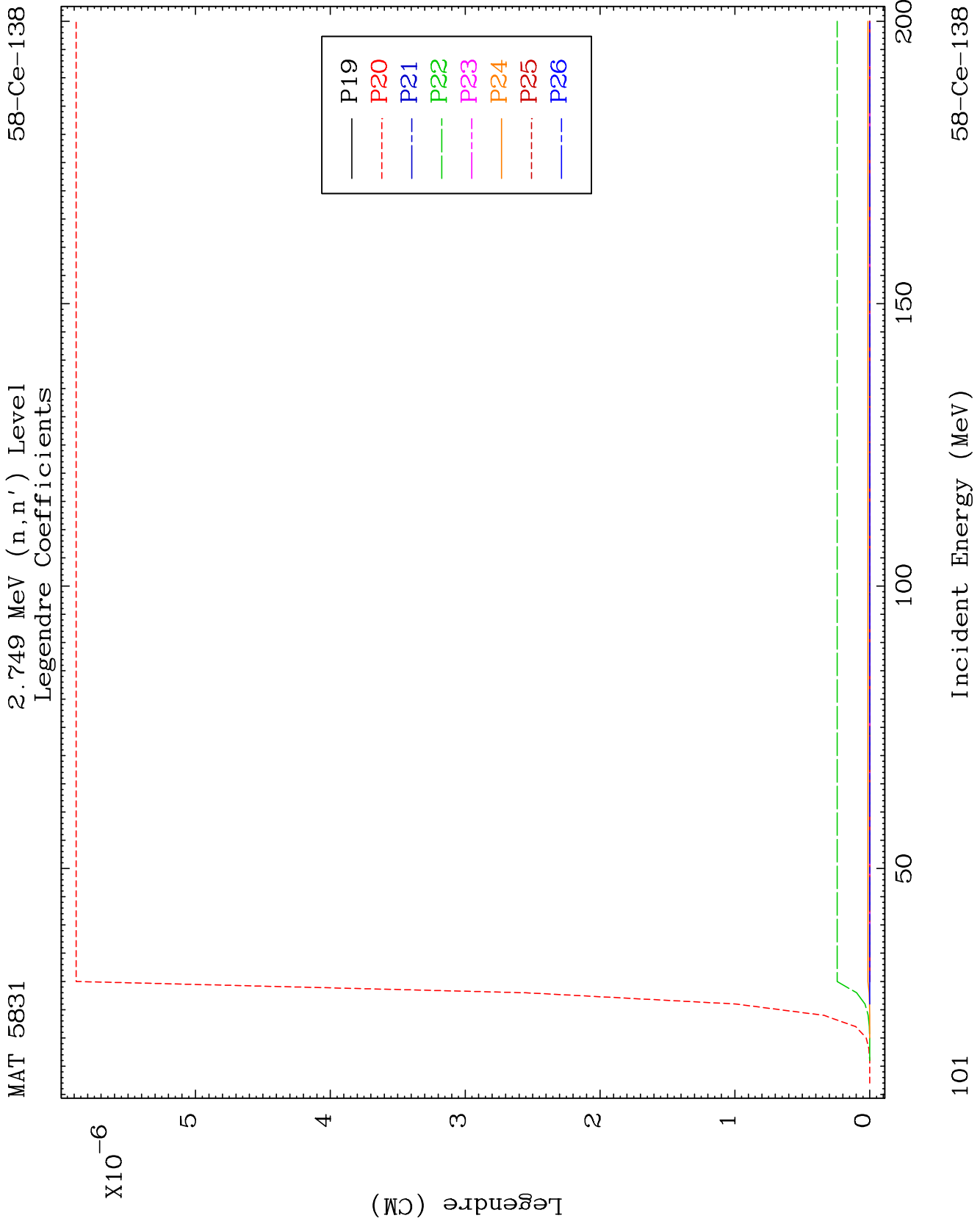
58-Ce-138



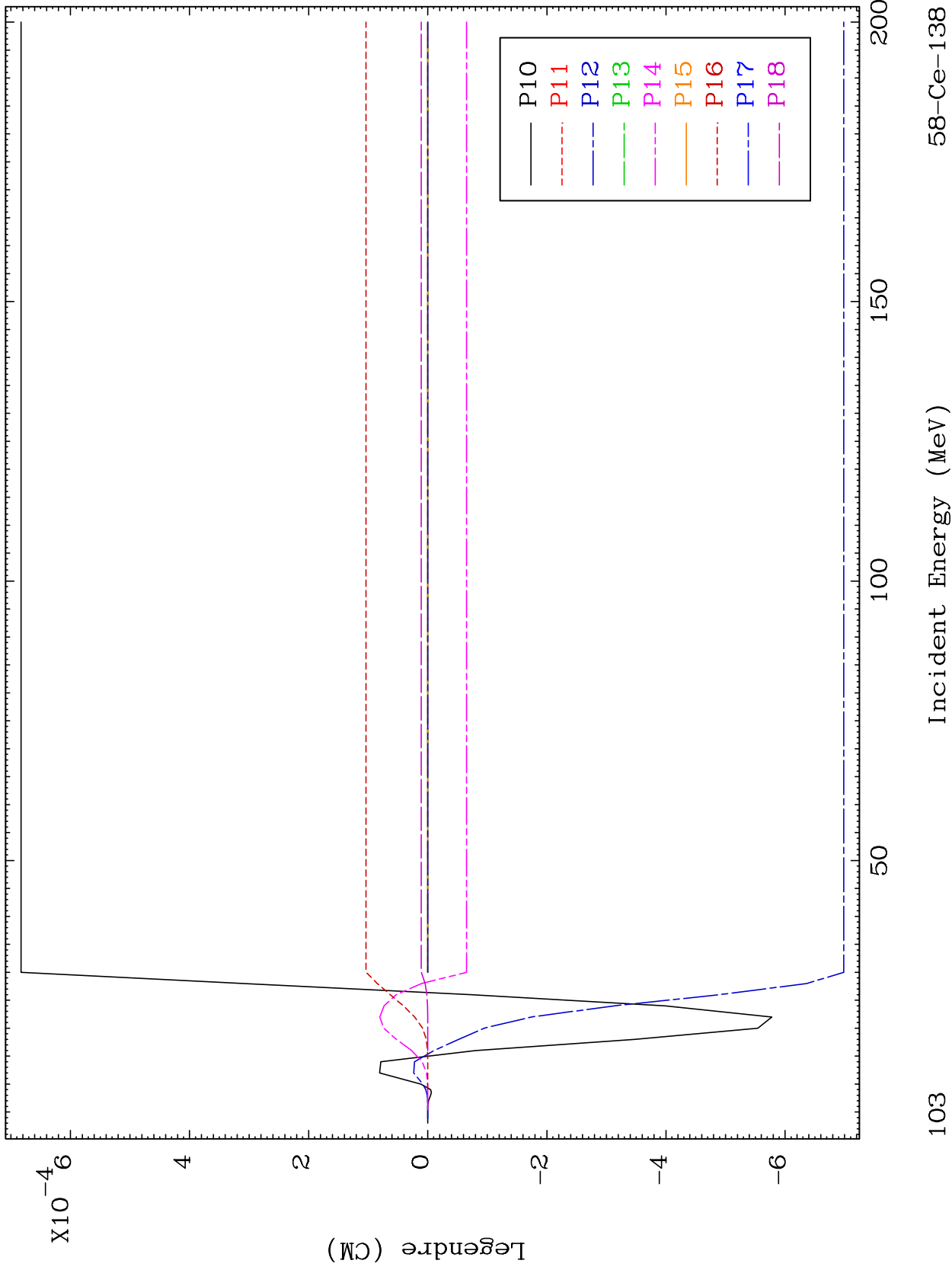
58-Ce-138

Incident Energy (MeV)

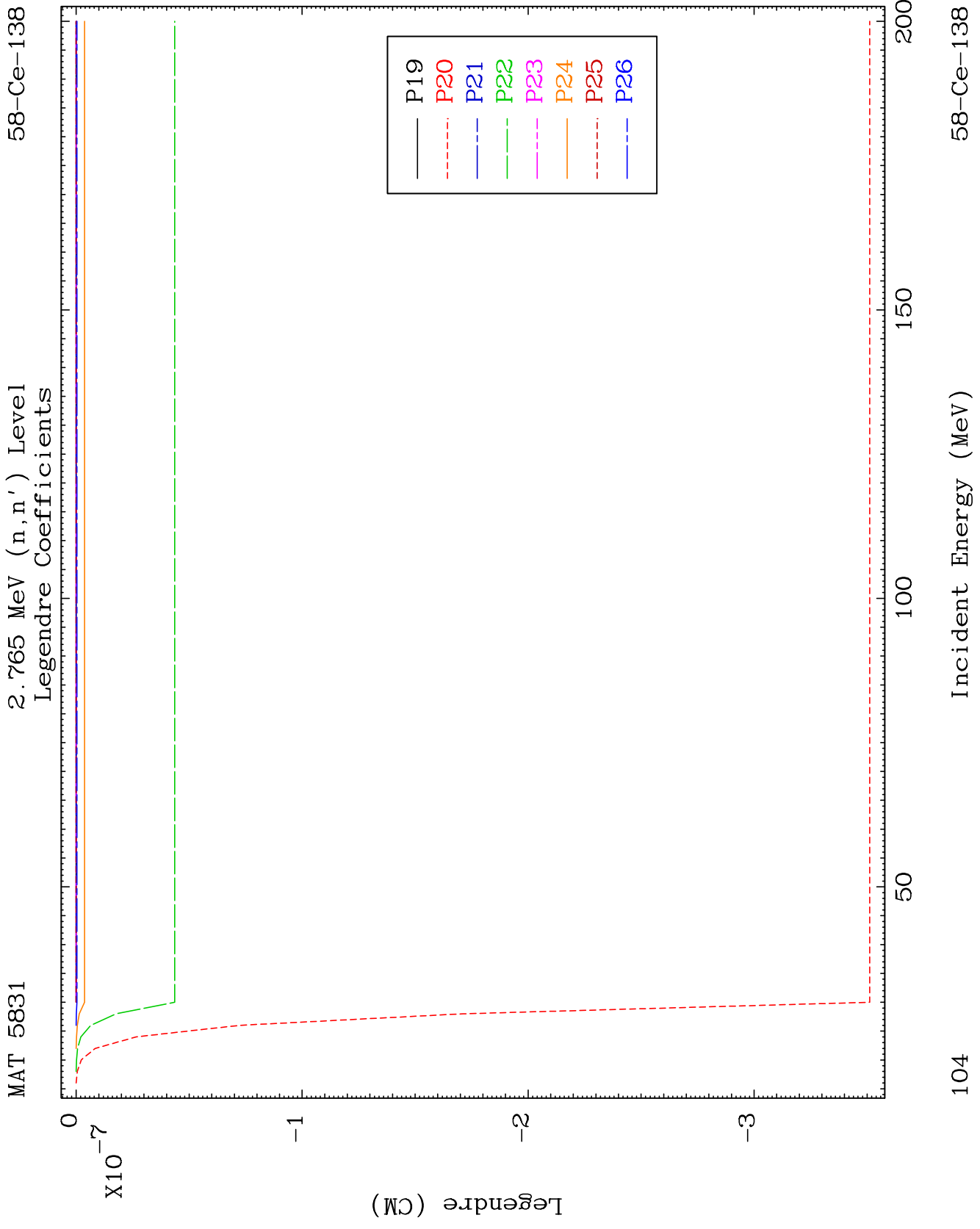
100

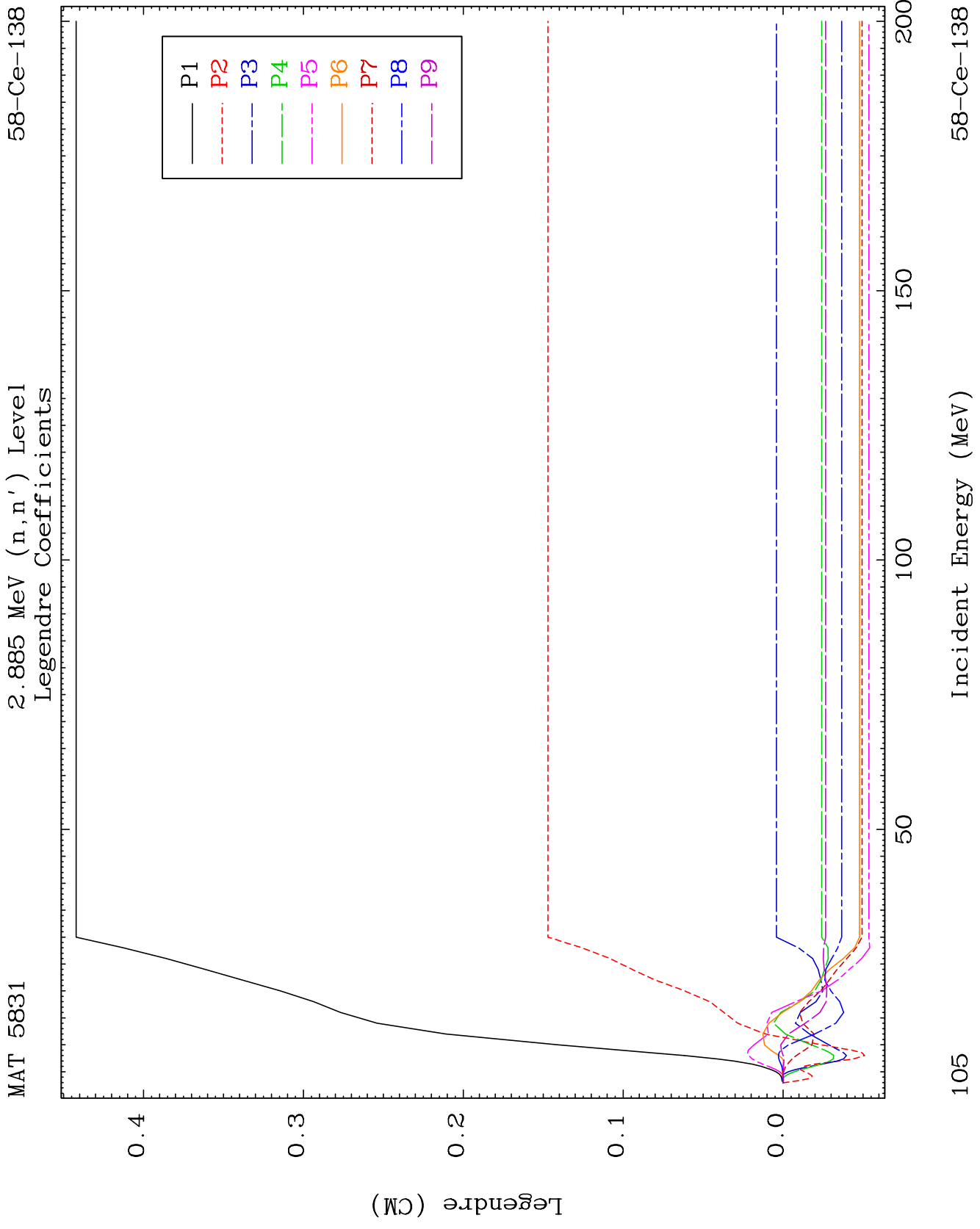








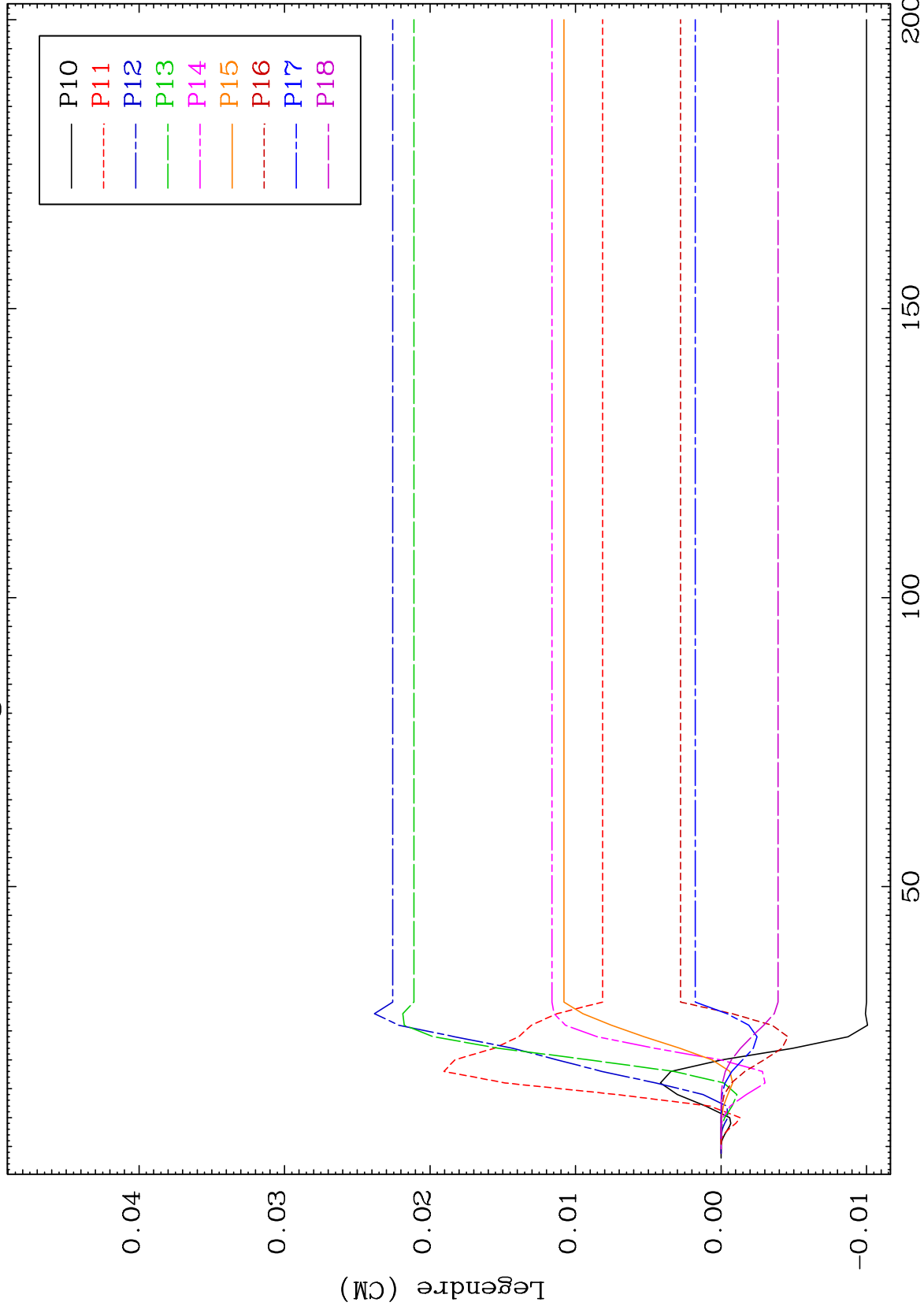




MAT 5831

2.885 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138



106

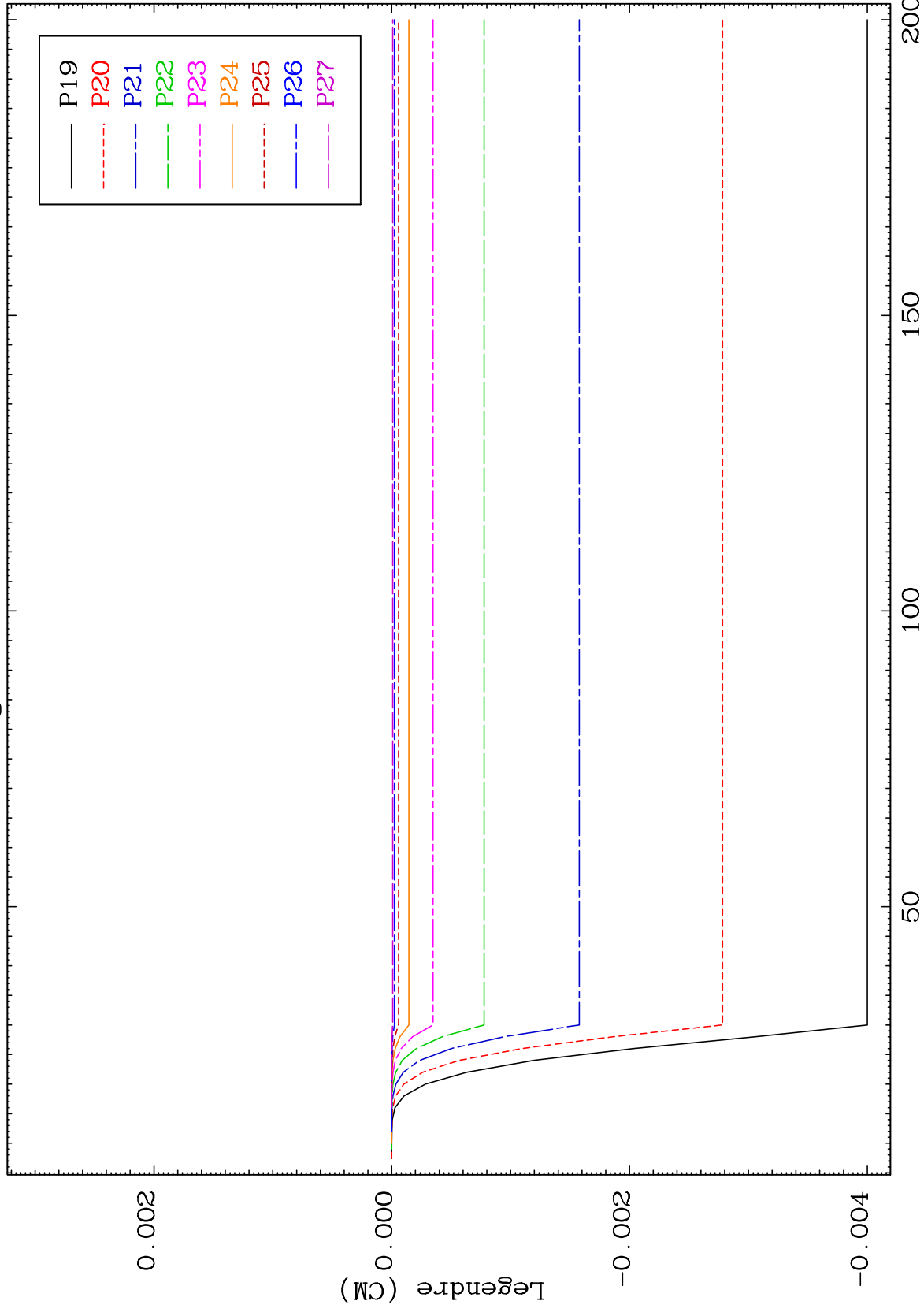
Incident Energy (MeV)

58-Ce-138

MAT 5831

2.885 MeV (n,n') Level  
Legendre Coefficients

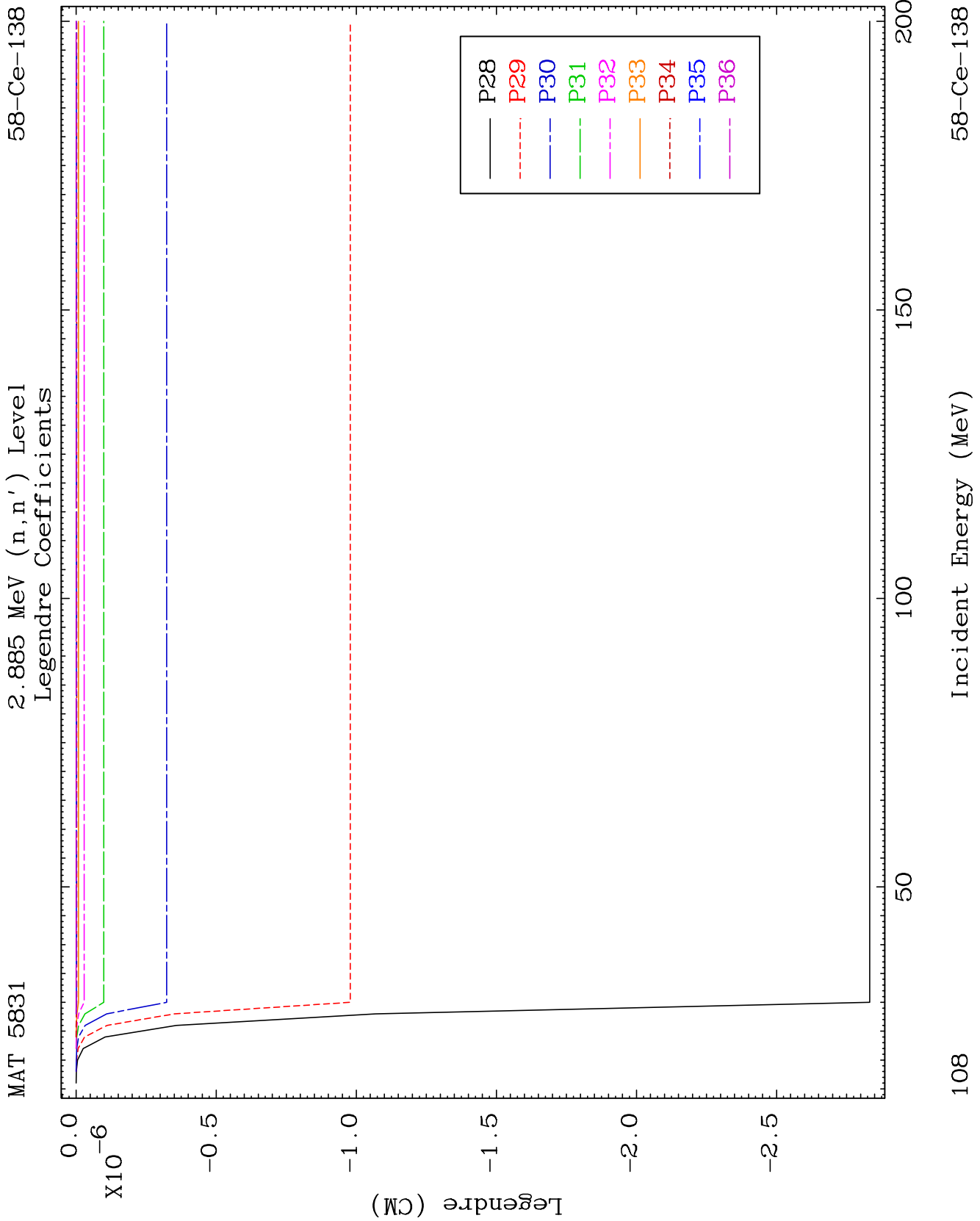
58-Ce-138



107

Incident Energy (MeV)

58-Ce-138

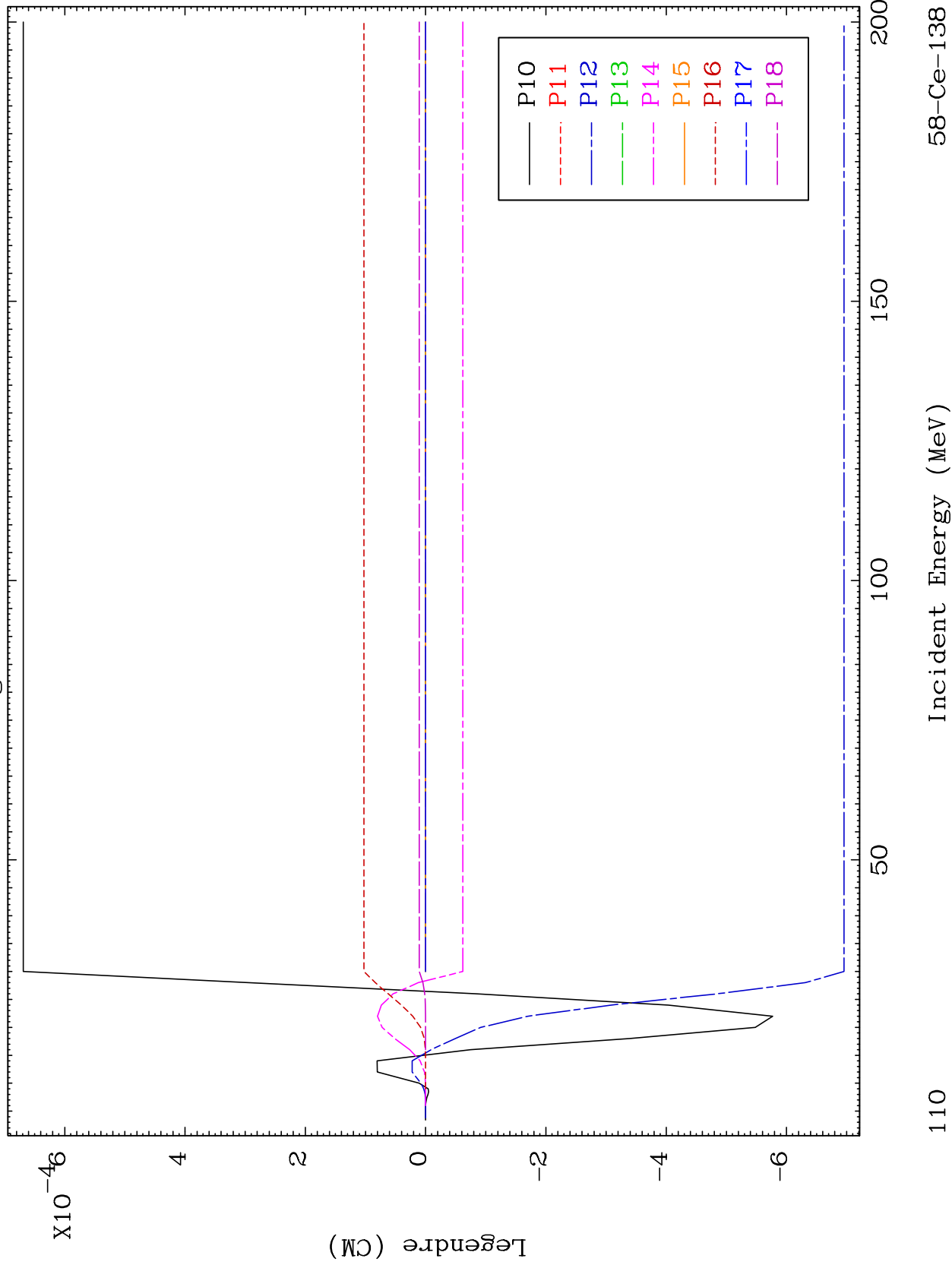




MAT 5831

2.899 MeV (n,n') Level  
Legendre Coefficients

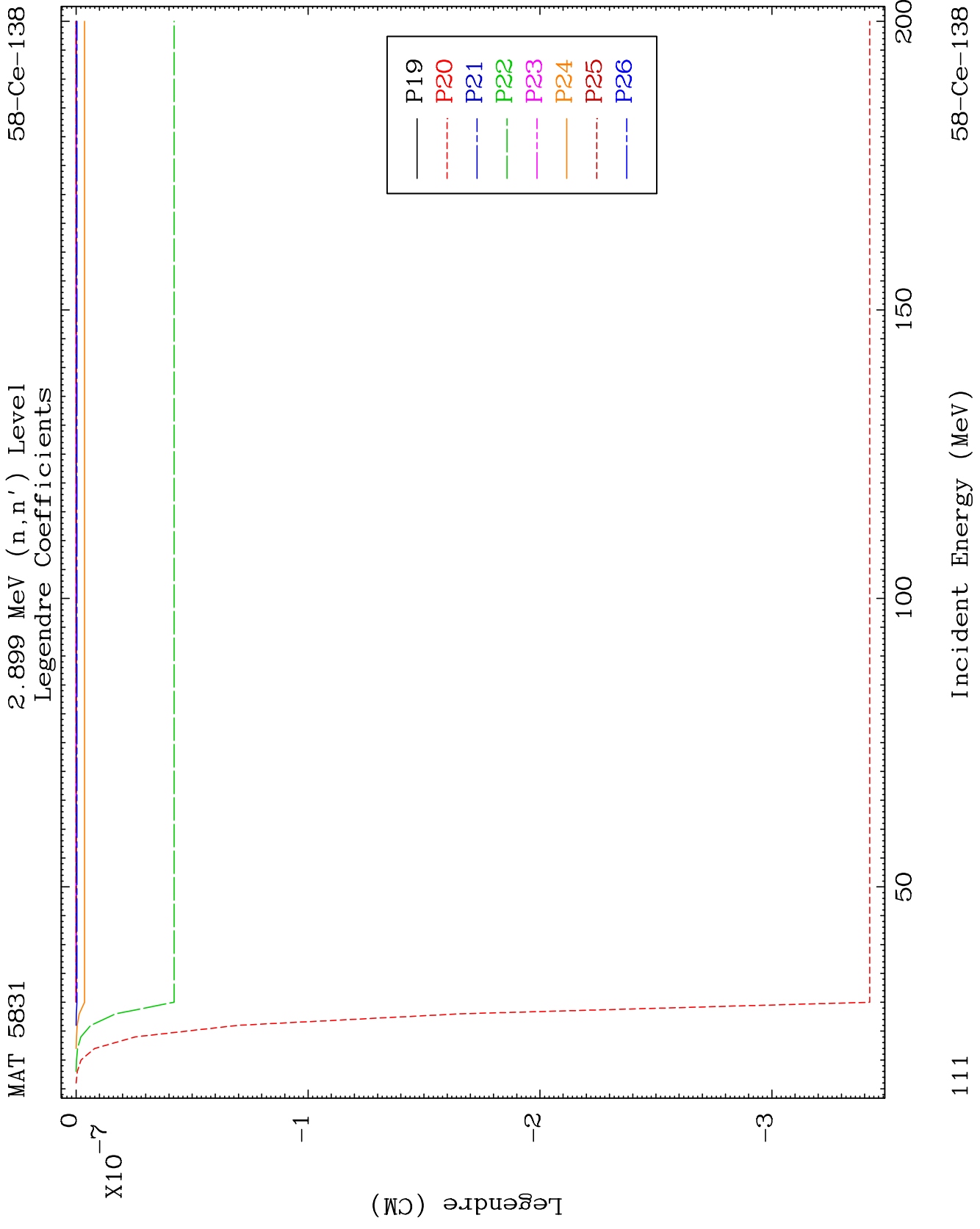
58-Ce-138



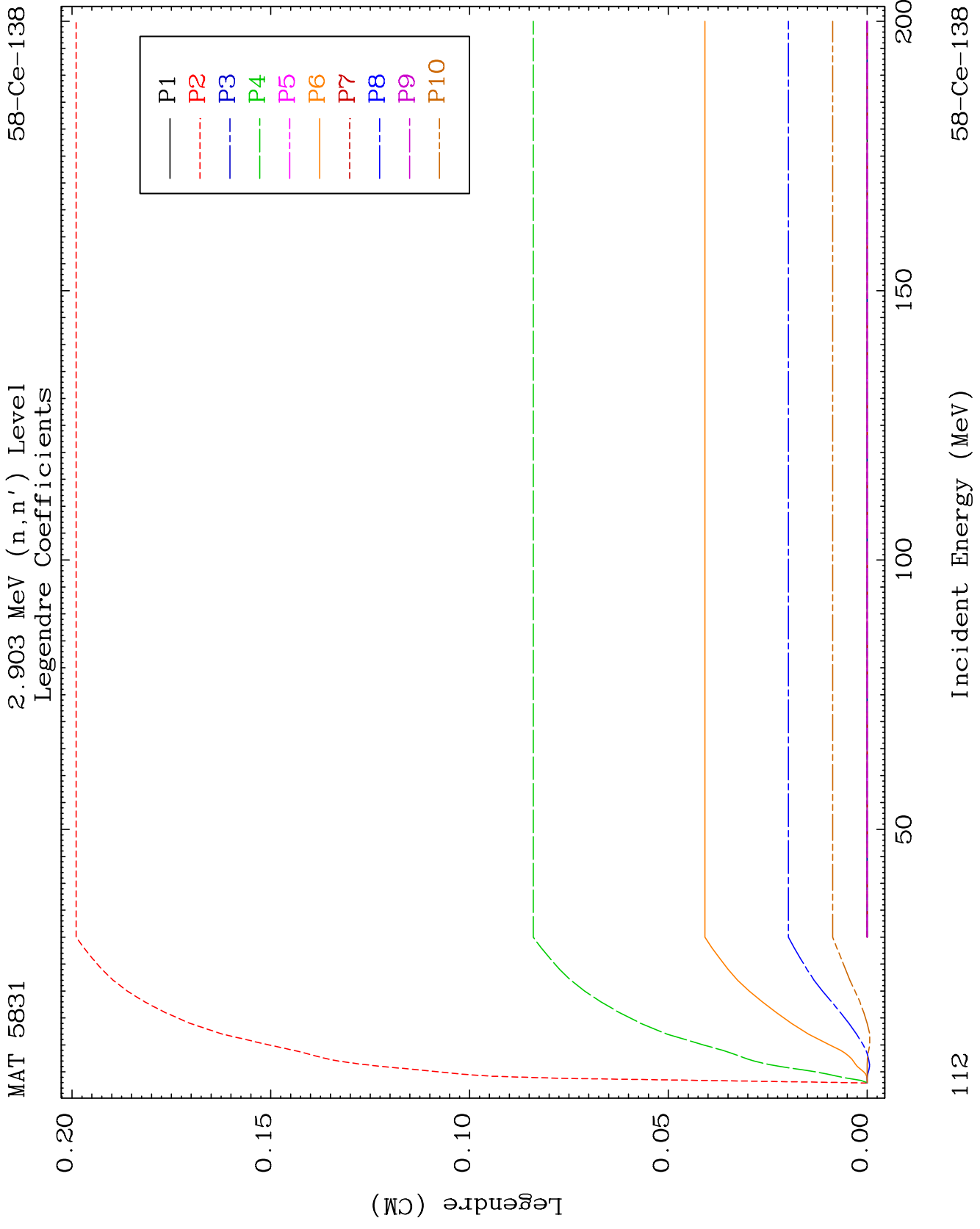
110

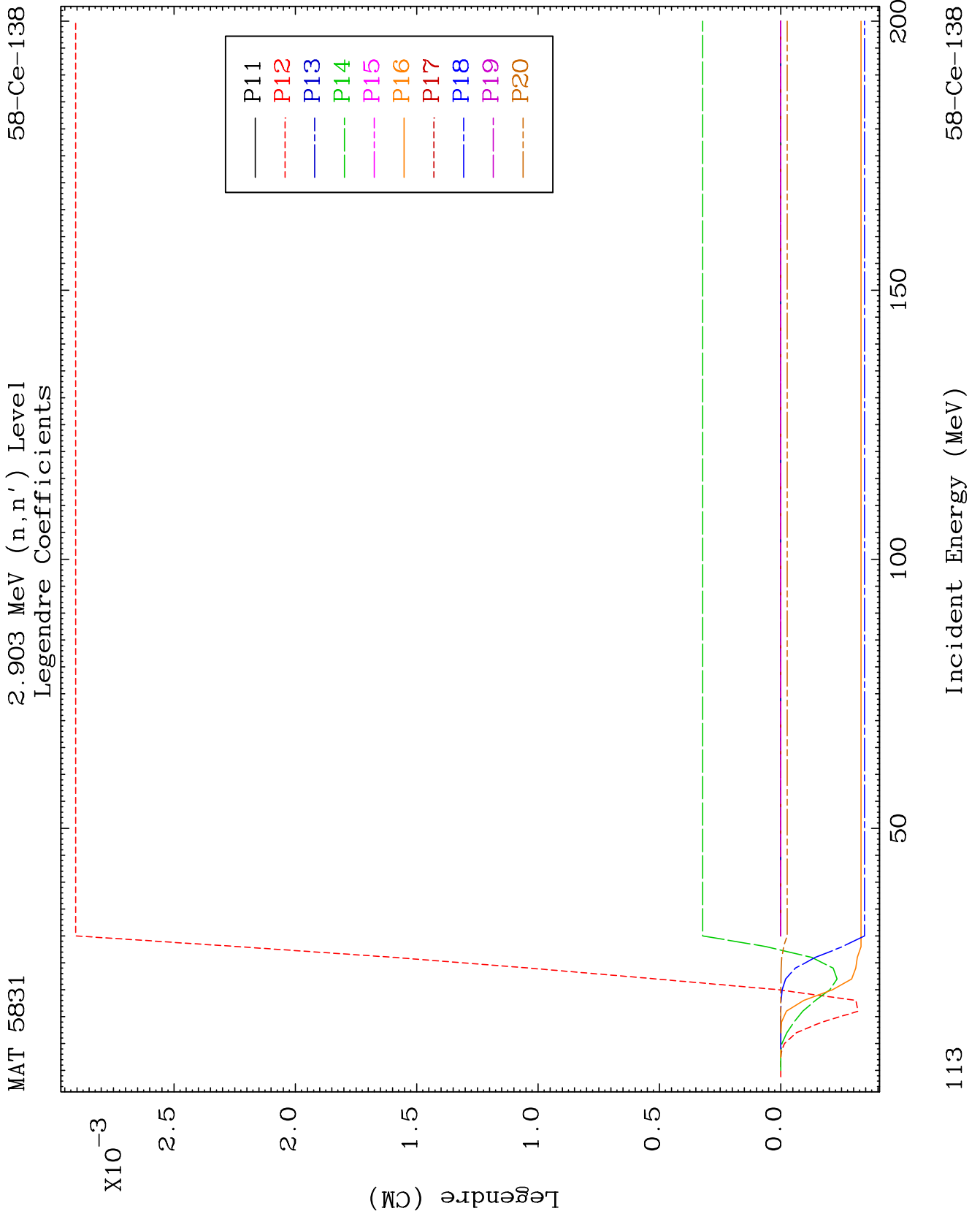
Incident Energy (MeV)

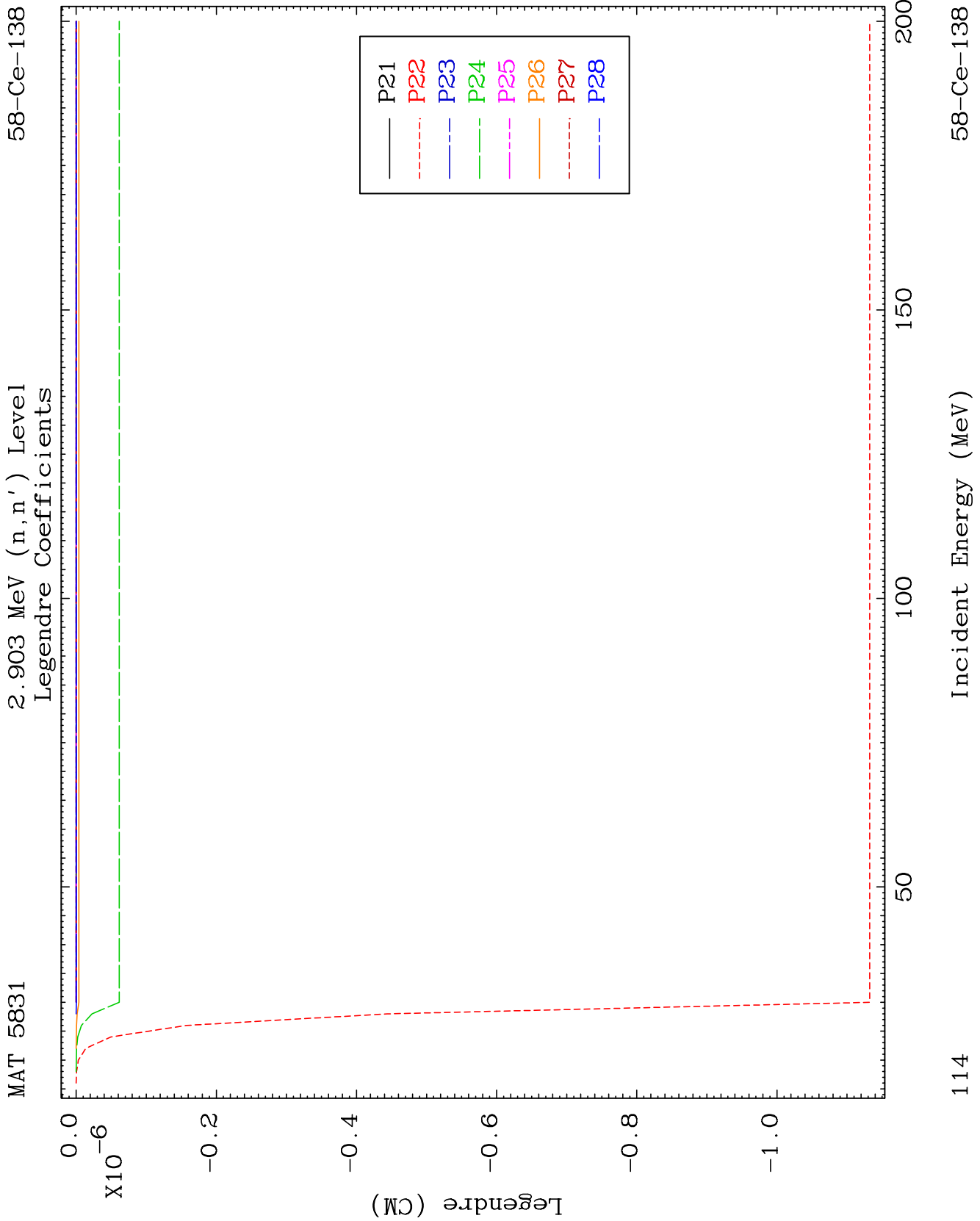
58-Ce-138

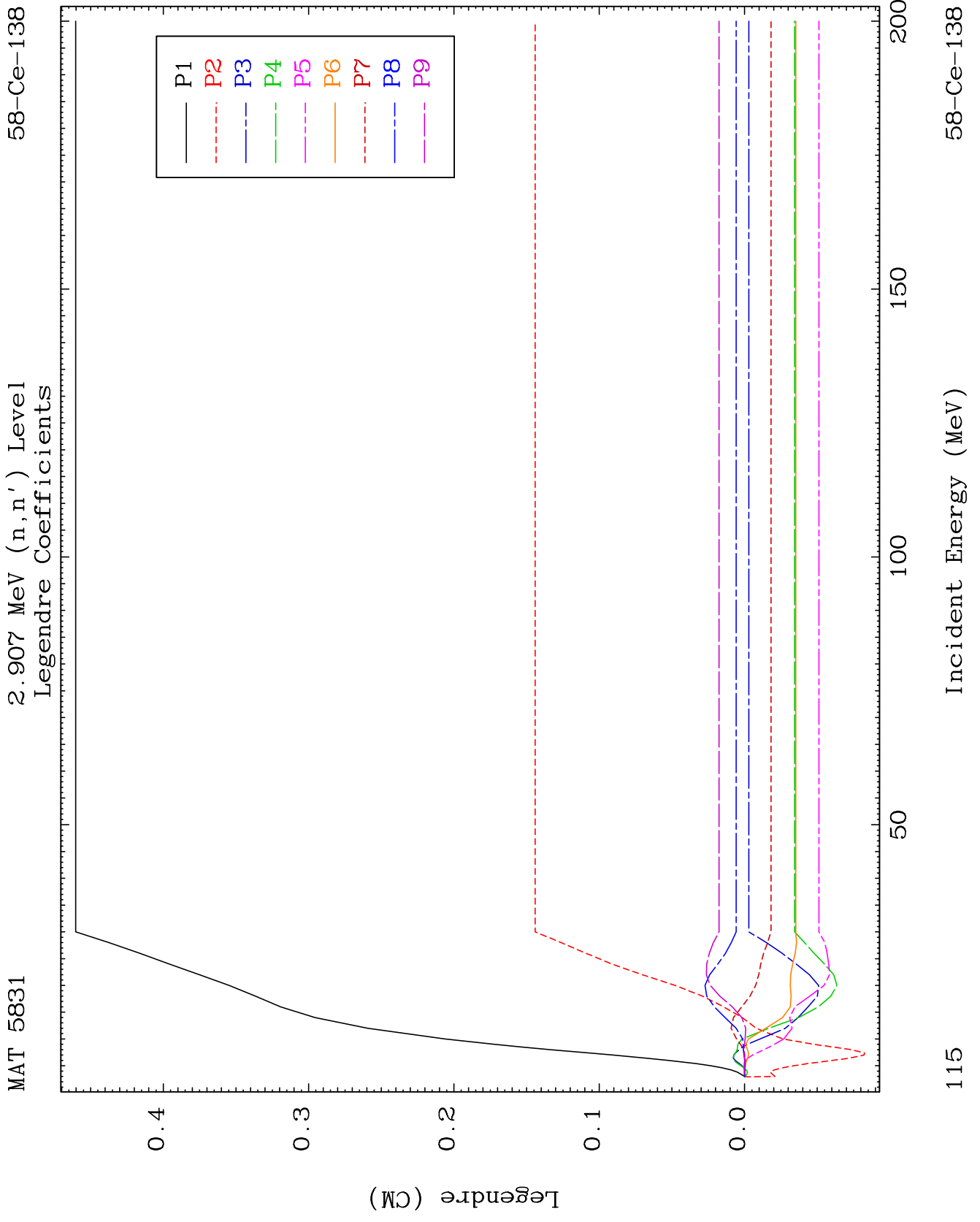


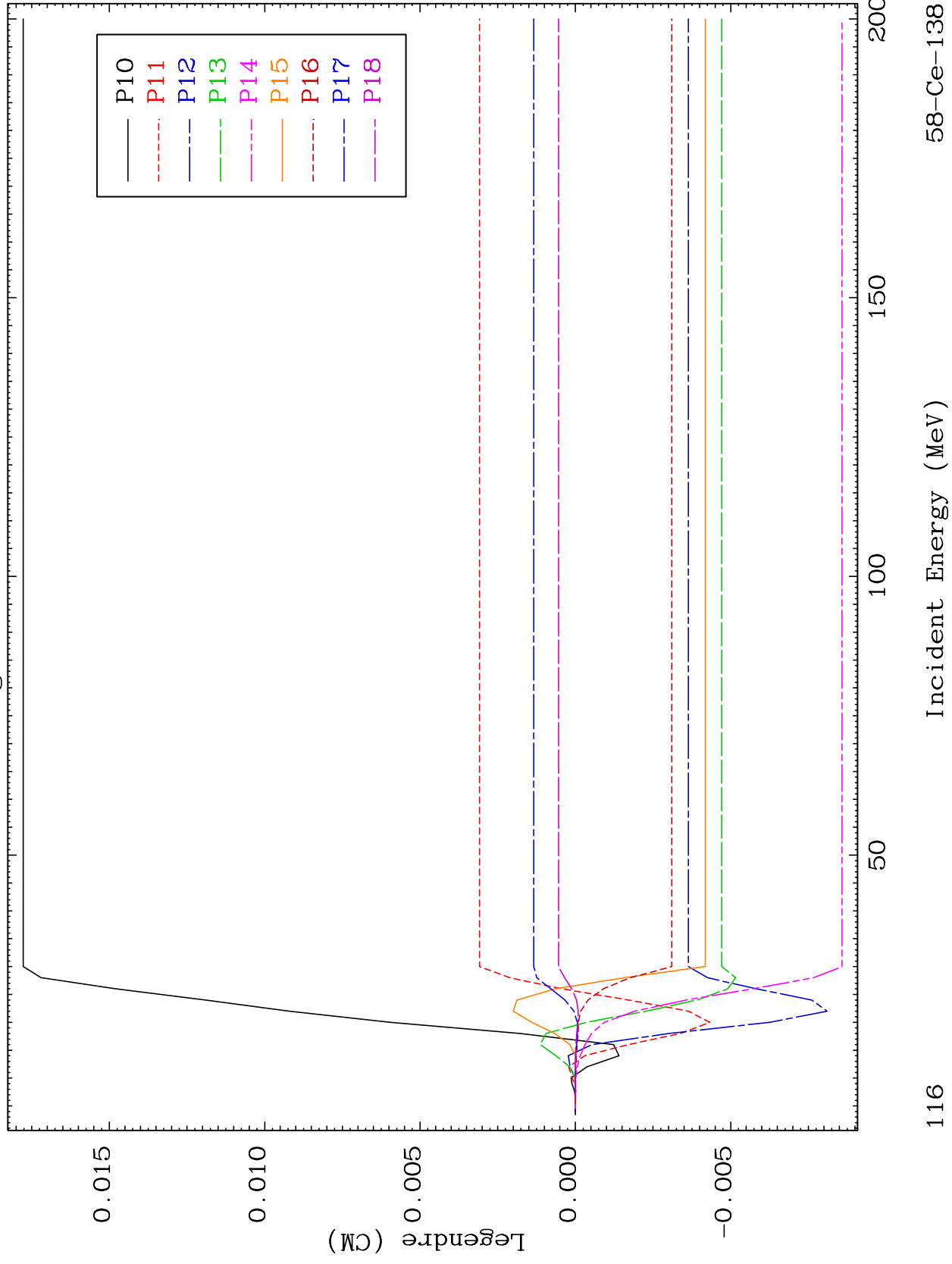








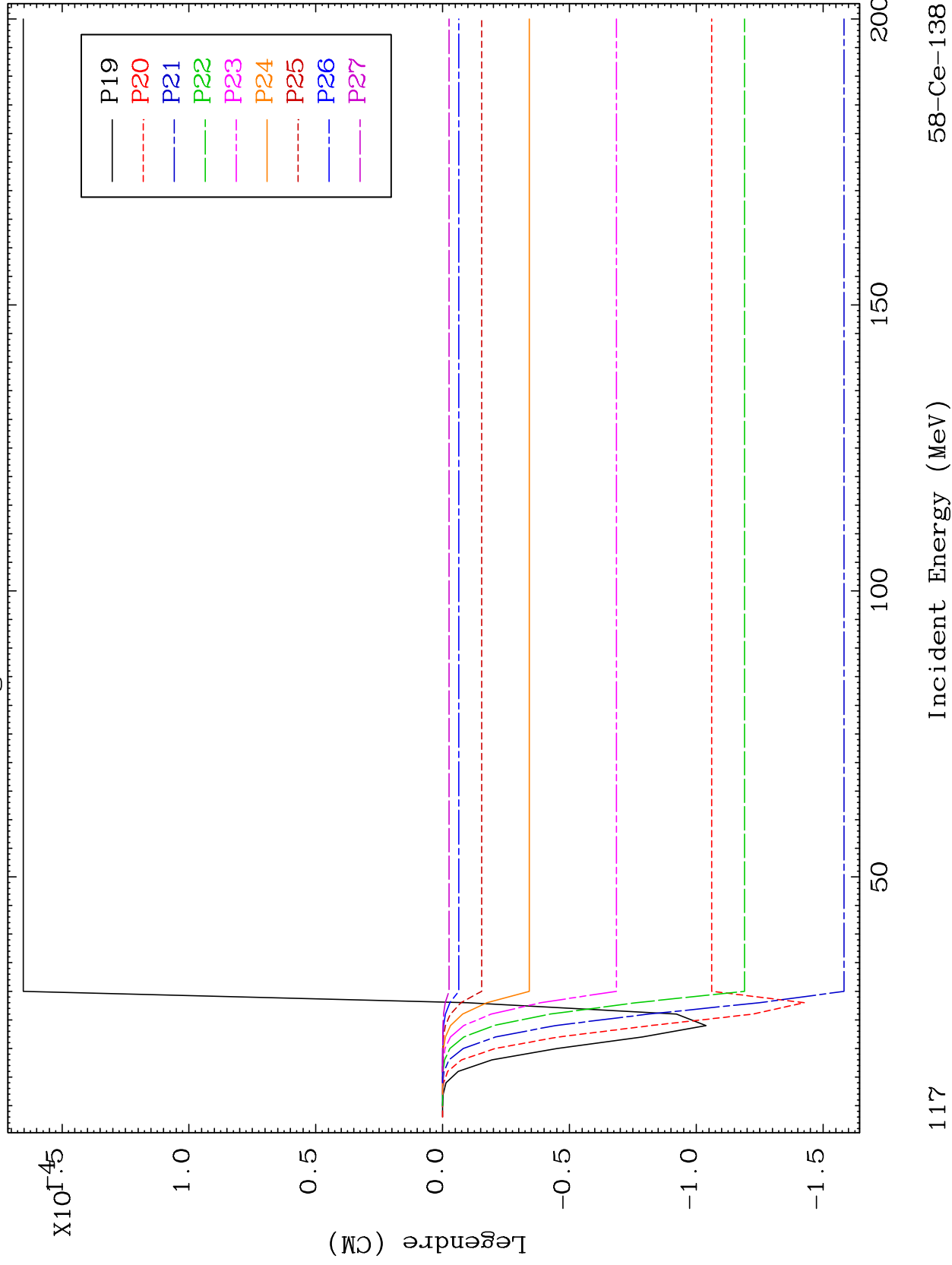




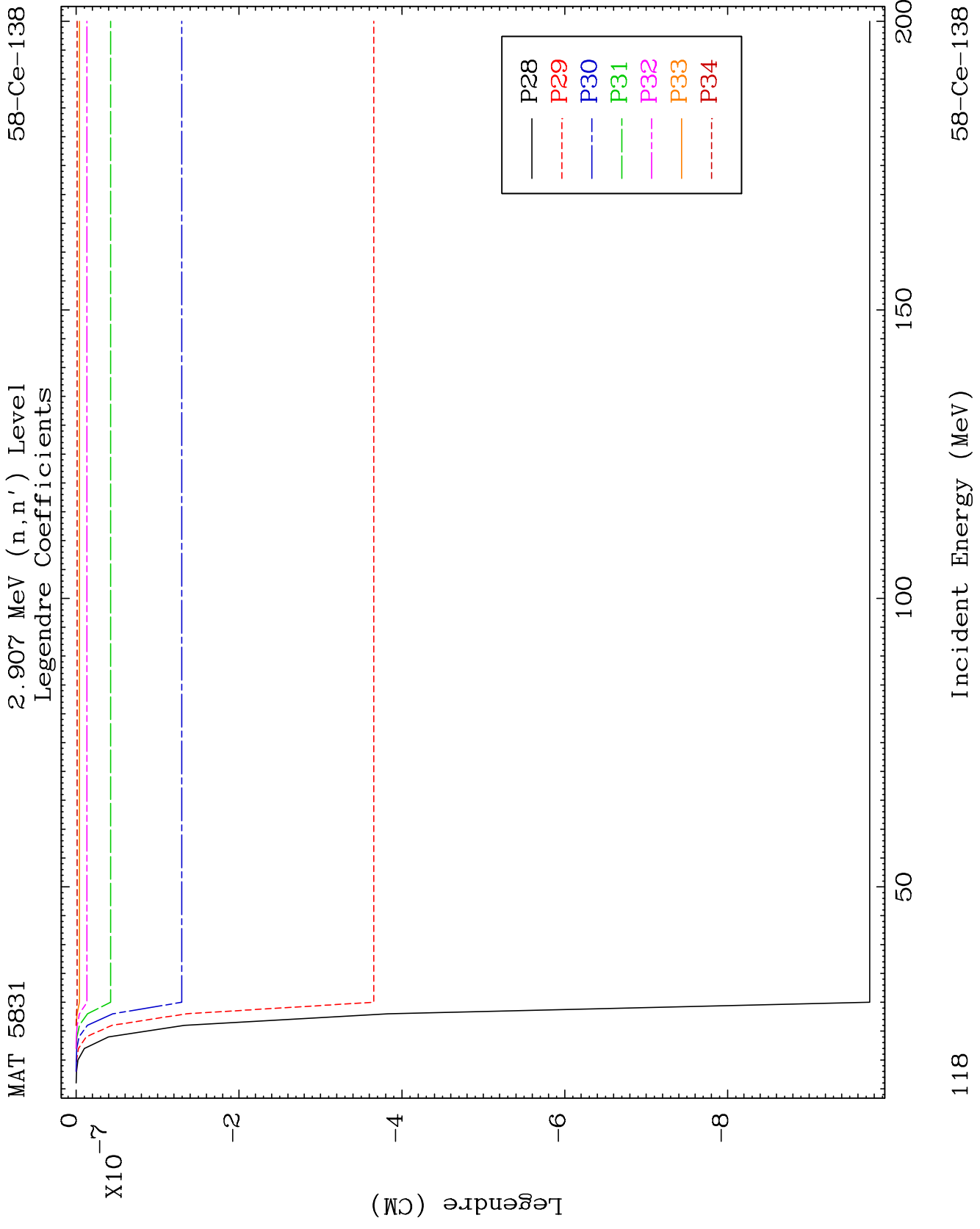
MAT 5831

2.907 MeV (n, n') Level  
Legendre Coefficients

58-Ce-138



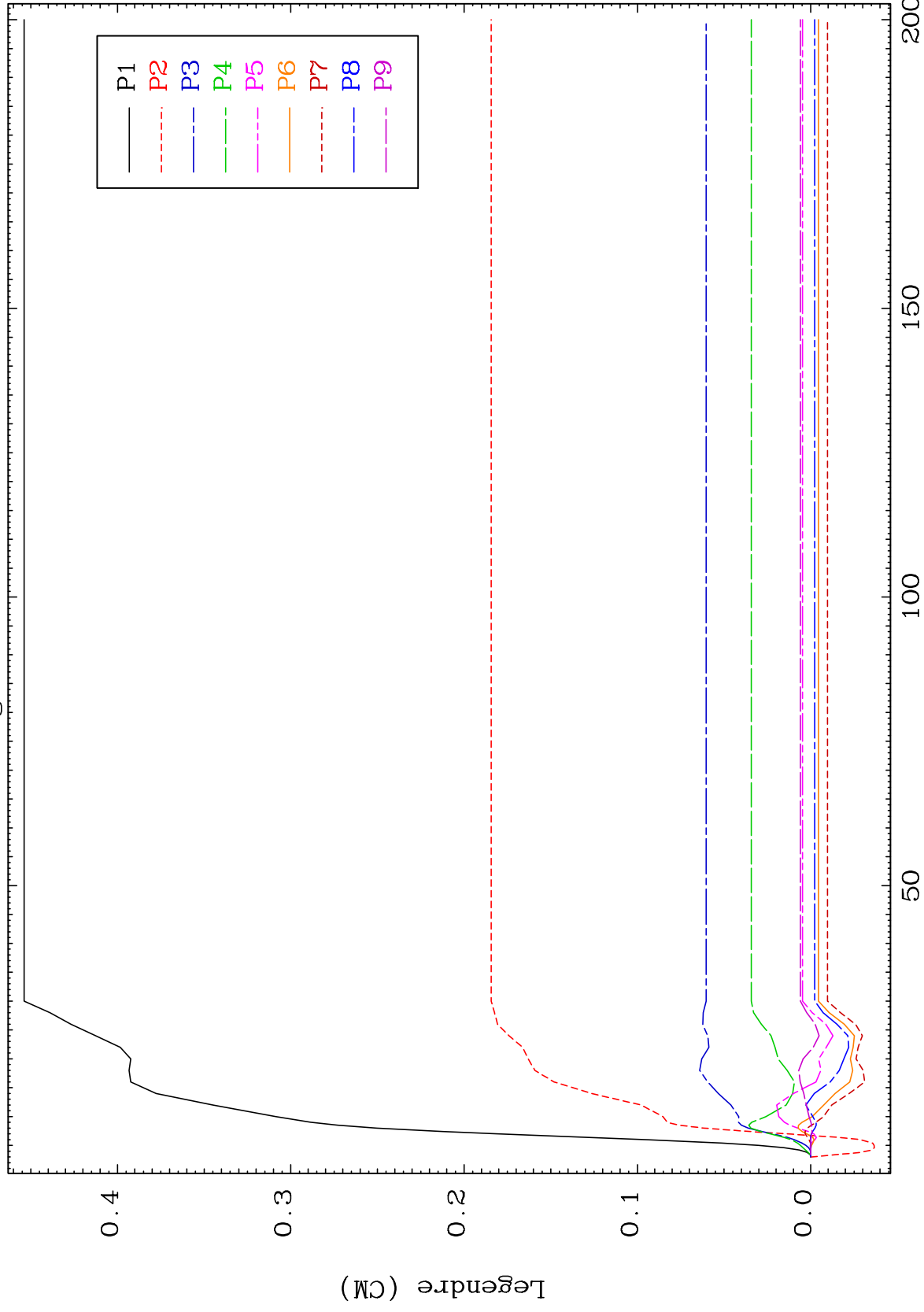
117



MAT 5831

2.942 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138

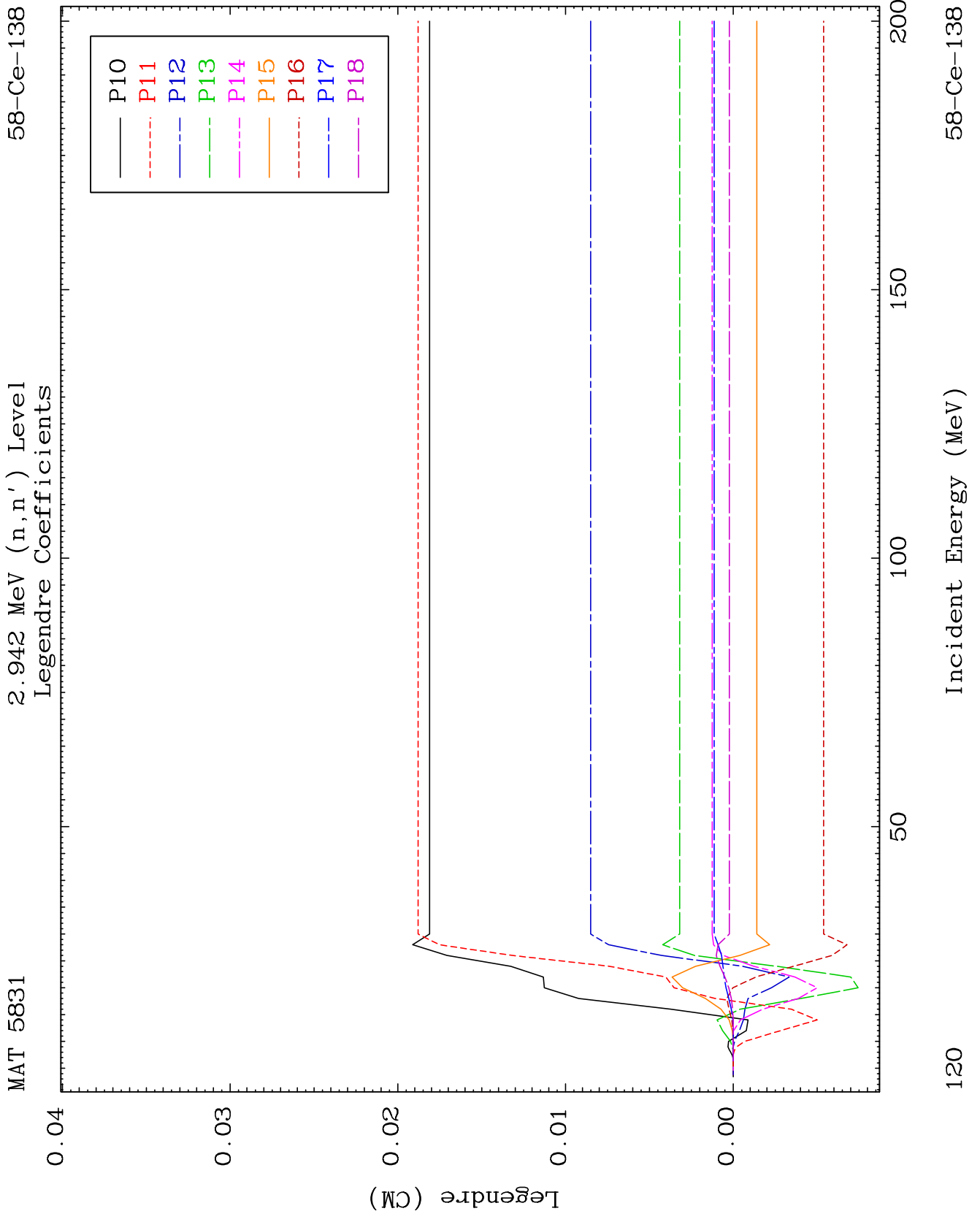


119

Incident Energy (MeV)

58-Ce-138

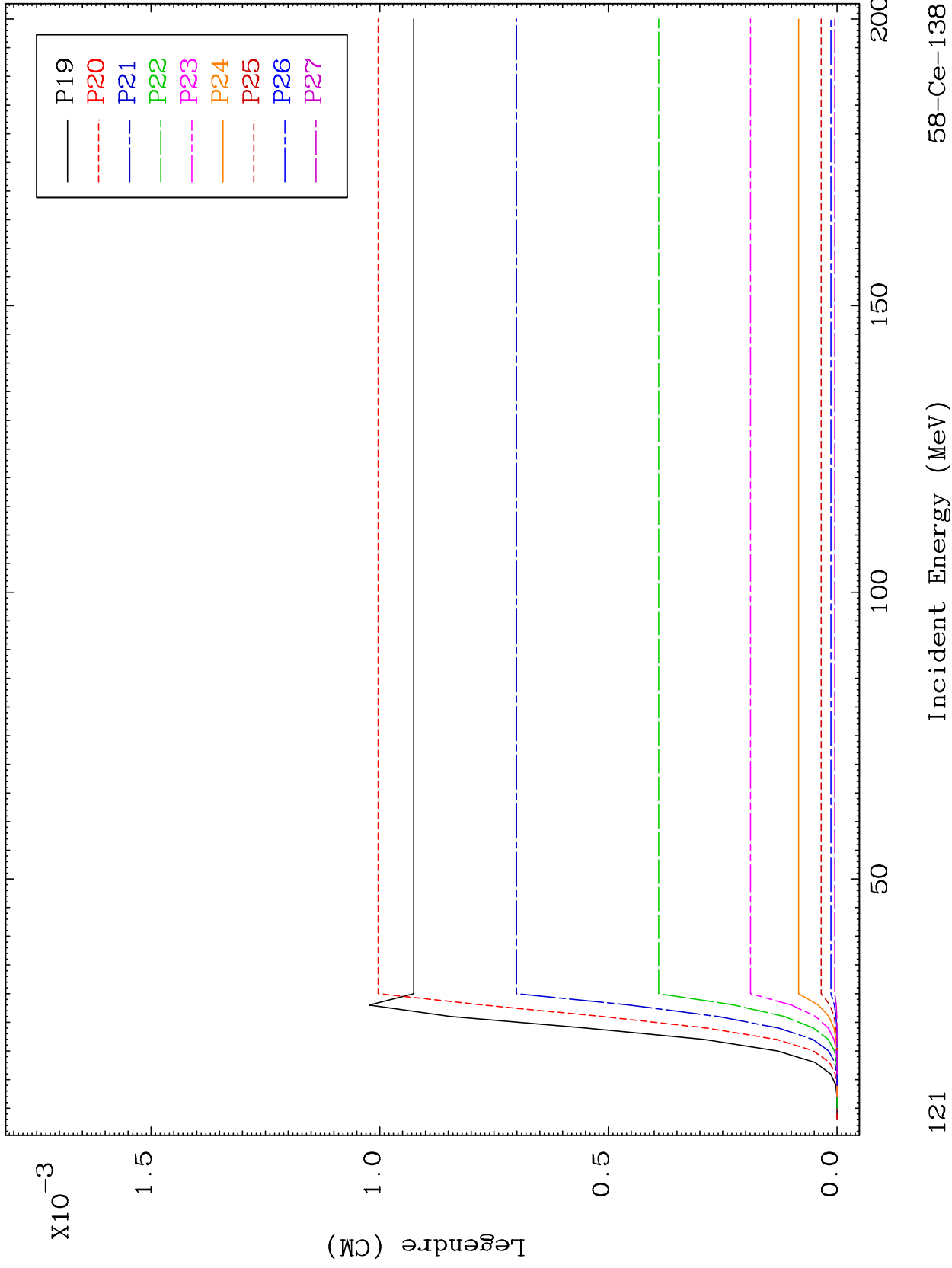




MAT 5831

2.942 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138



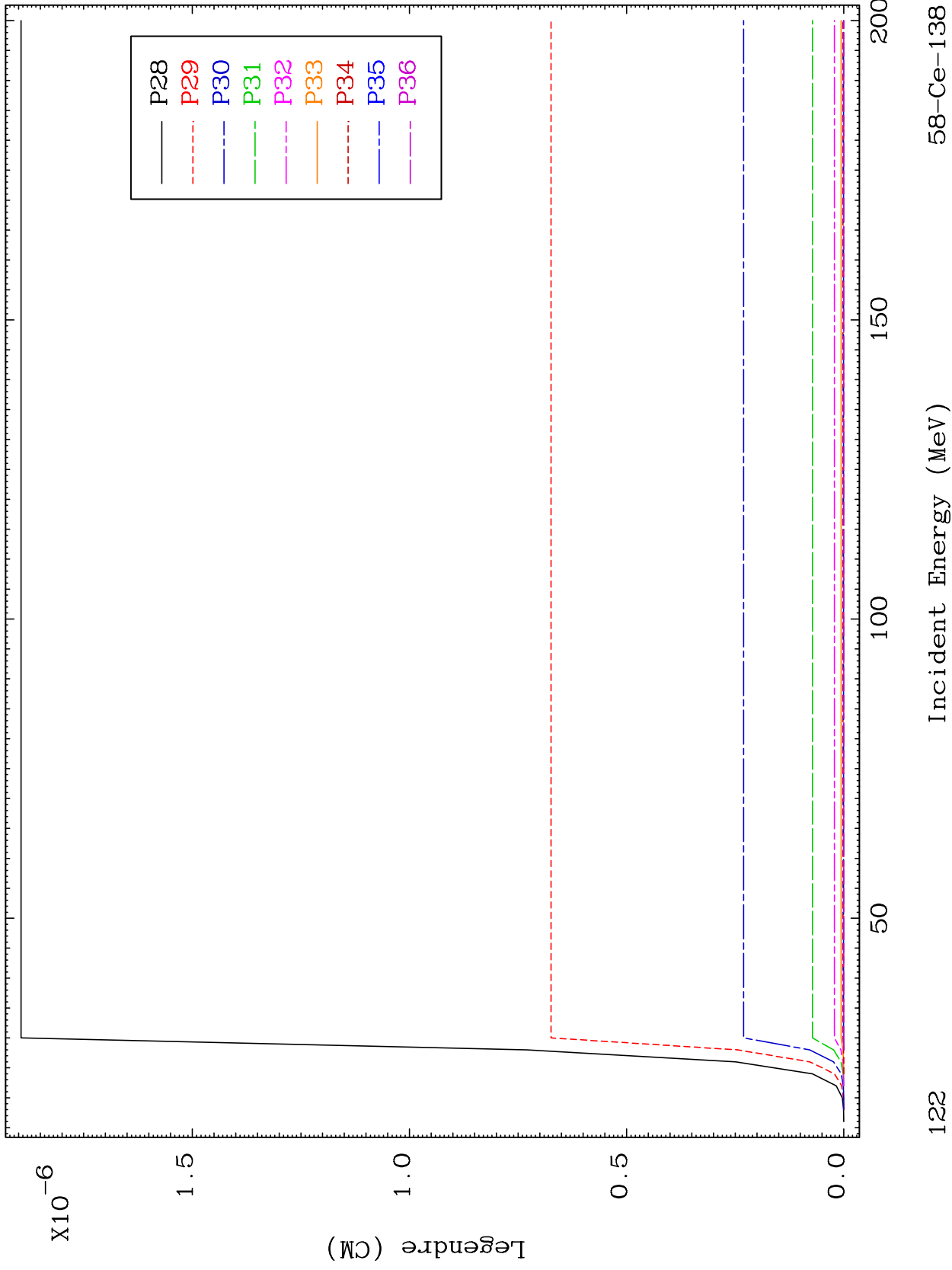
121

58-Ce-138

MAT 5831

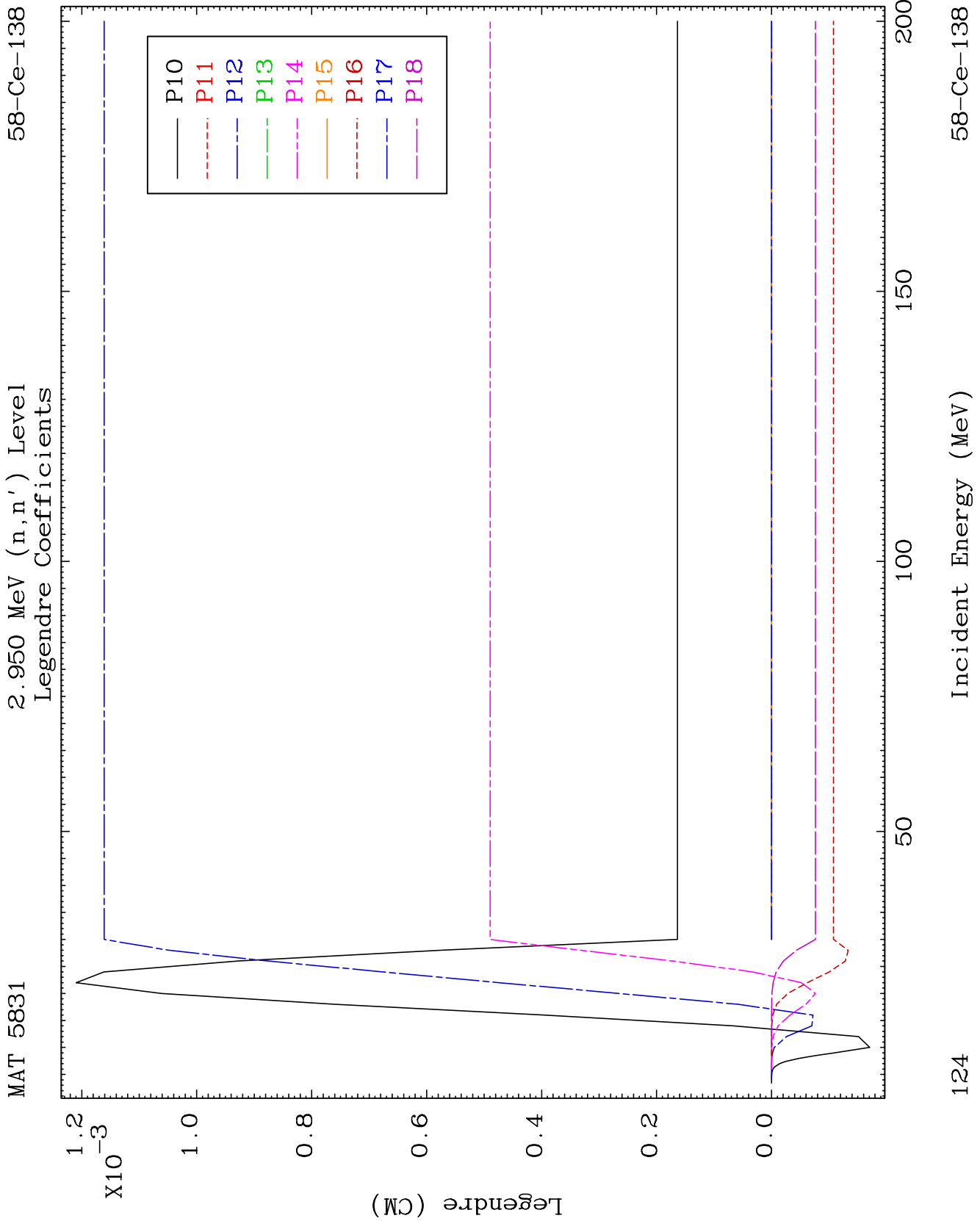
2.942 MeV (n,n') Level  
Legendre Coefficients

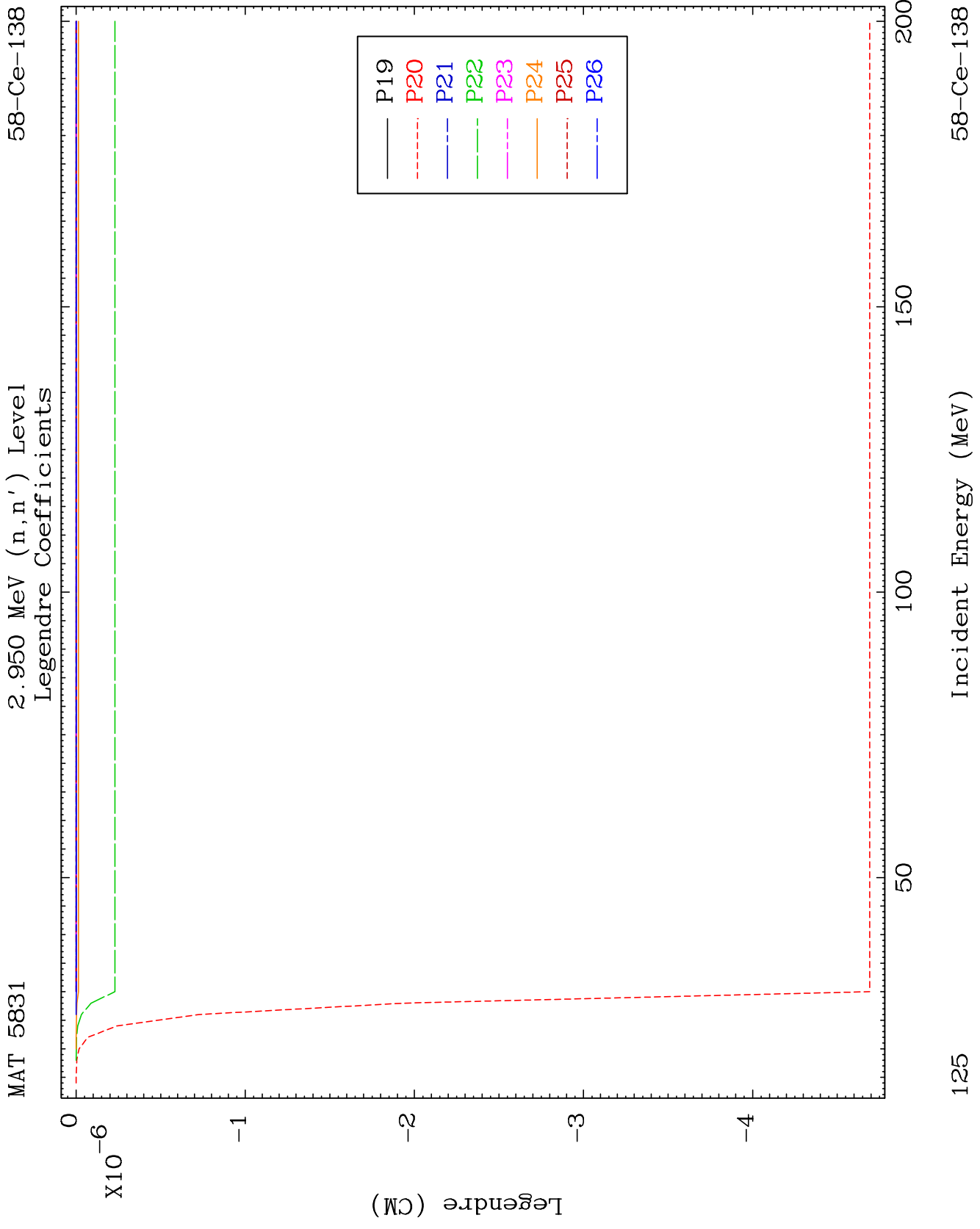
58-Ce-138

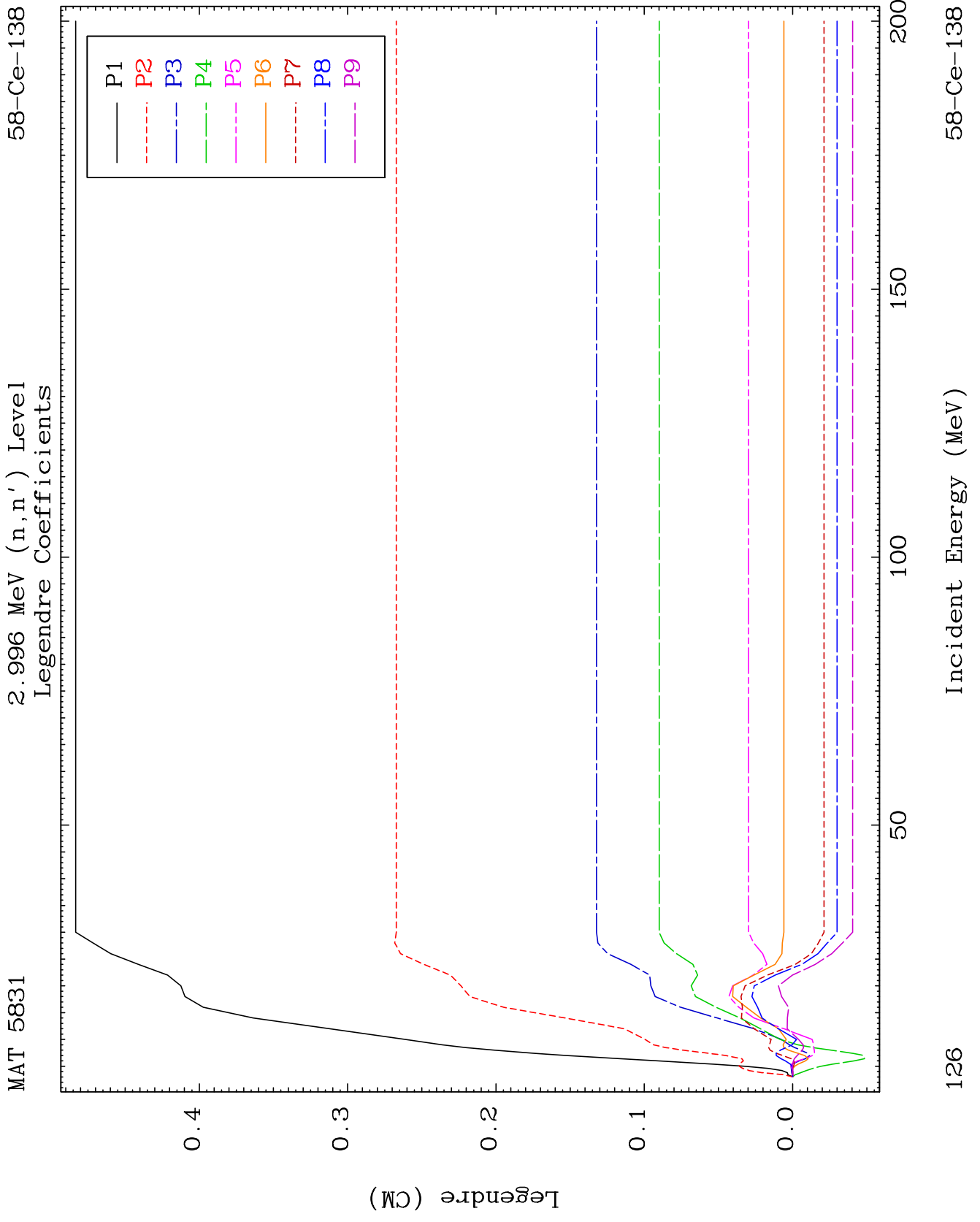


122





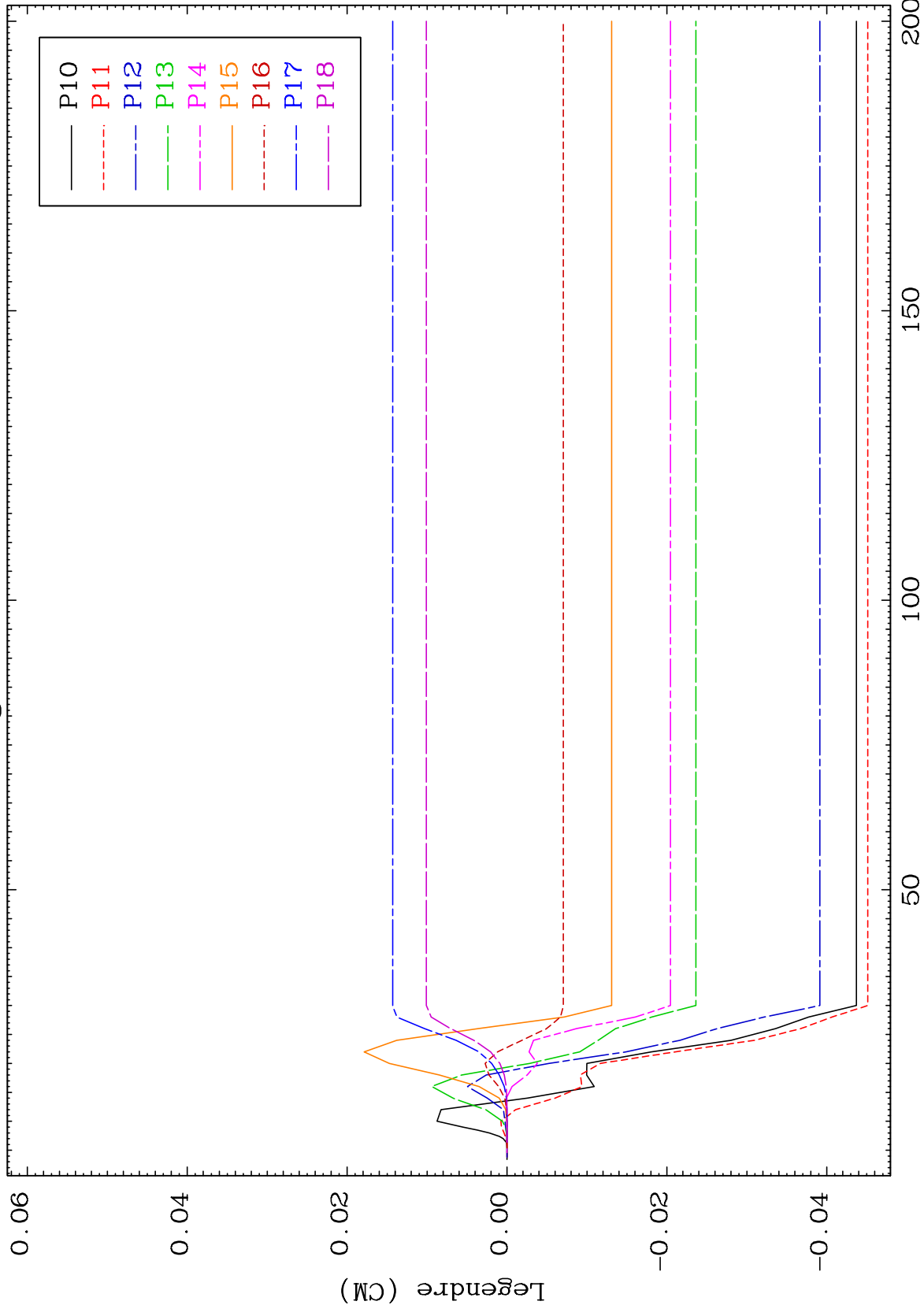




MAT 5831

2.996 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138

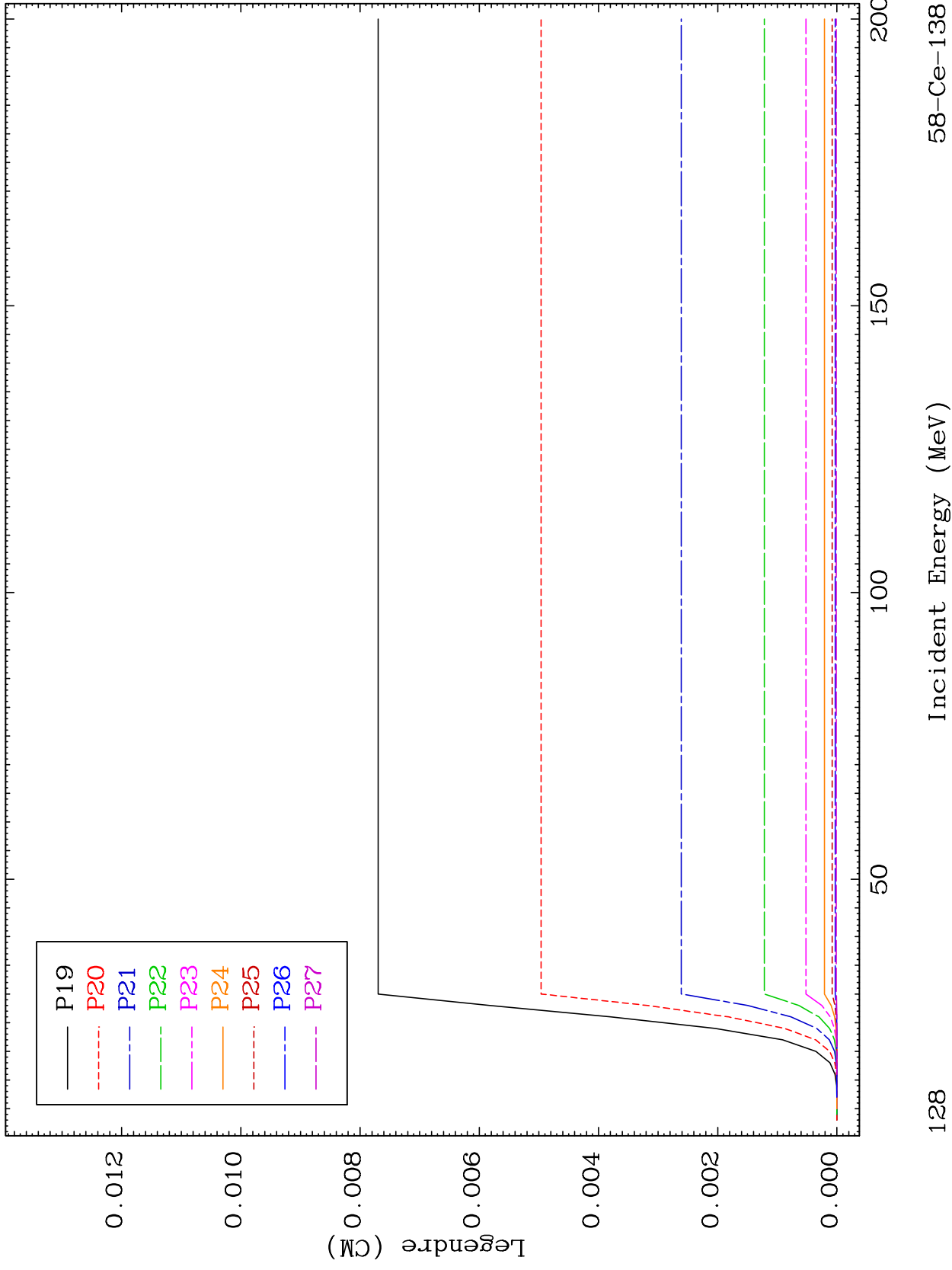


127

Incident Energy (MeV)

58-Ce-138

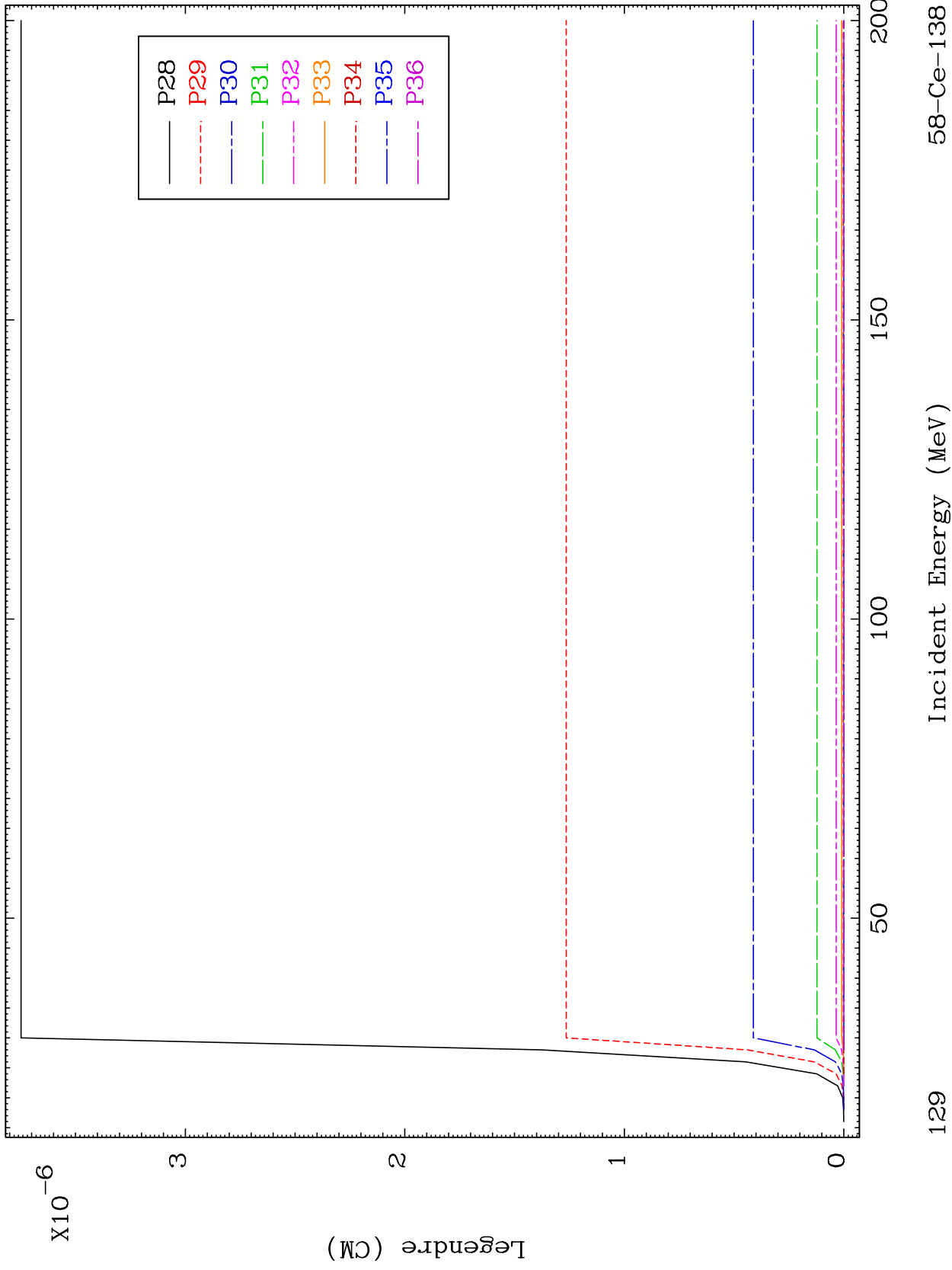




MAT 5831

2.996 MeV (n,n') Level  
Legendre Coefficients

58-Ce-138



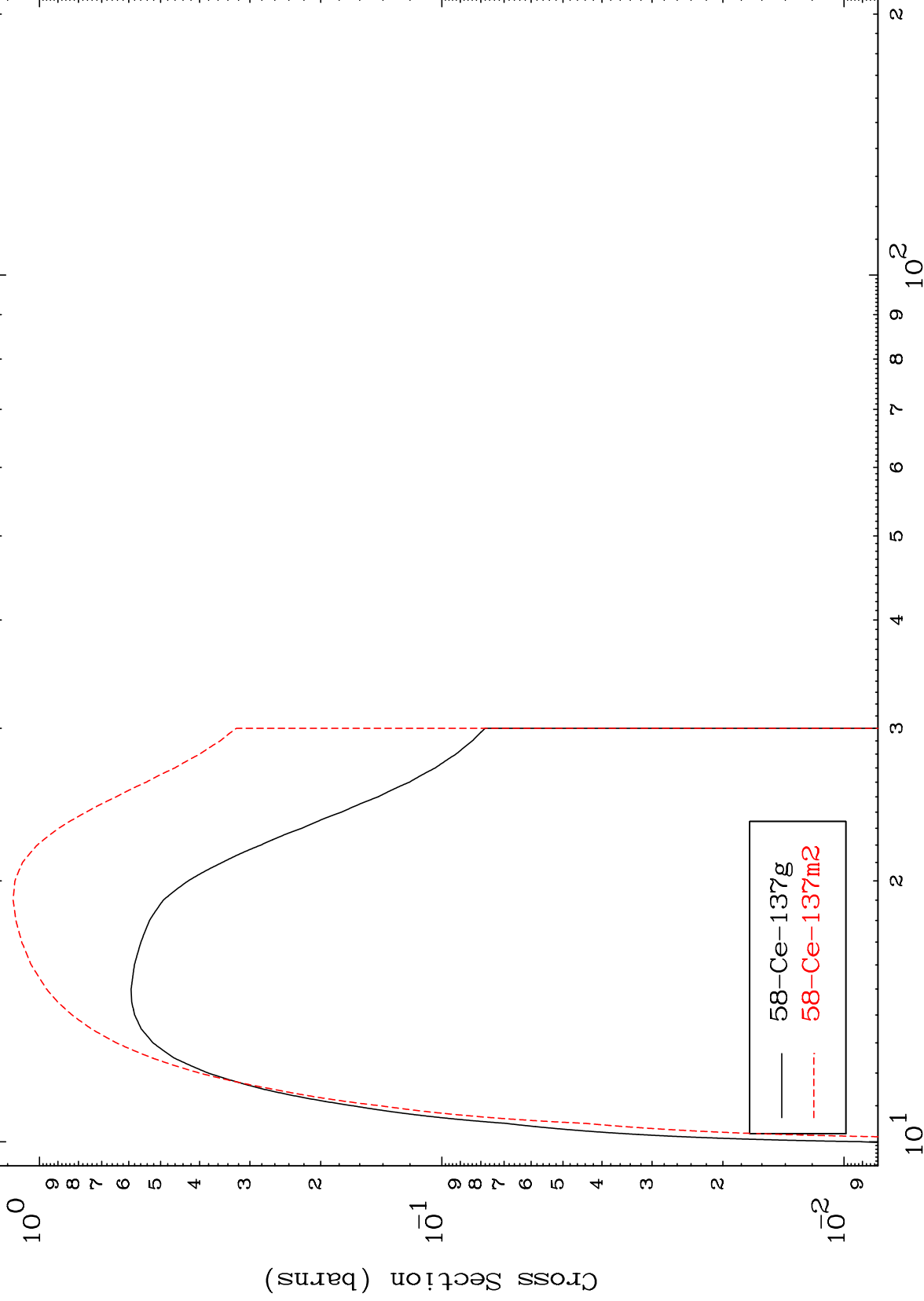
129

MAT 5831

(n,2n)

58-Ce-138

Radionuclide Production Cross Section



Incident Energy (MeV)

58-Ce-138

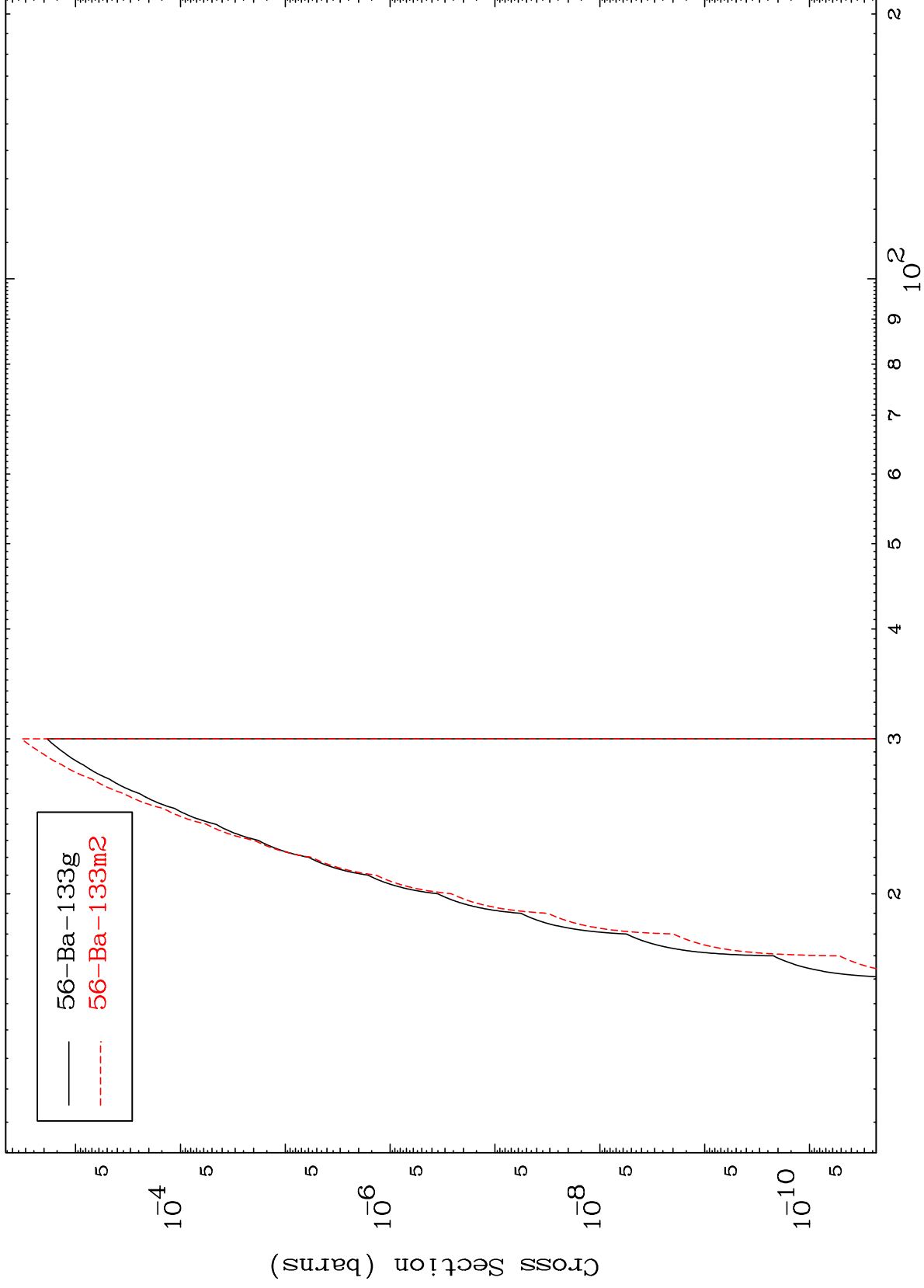
130

MAT 5831

(n,2n)  $\alpha$

58-Ce-138

Radionuclide Production Cross Section



131

Incident Energy (MeV)

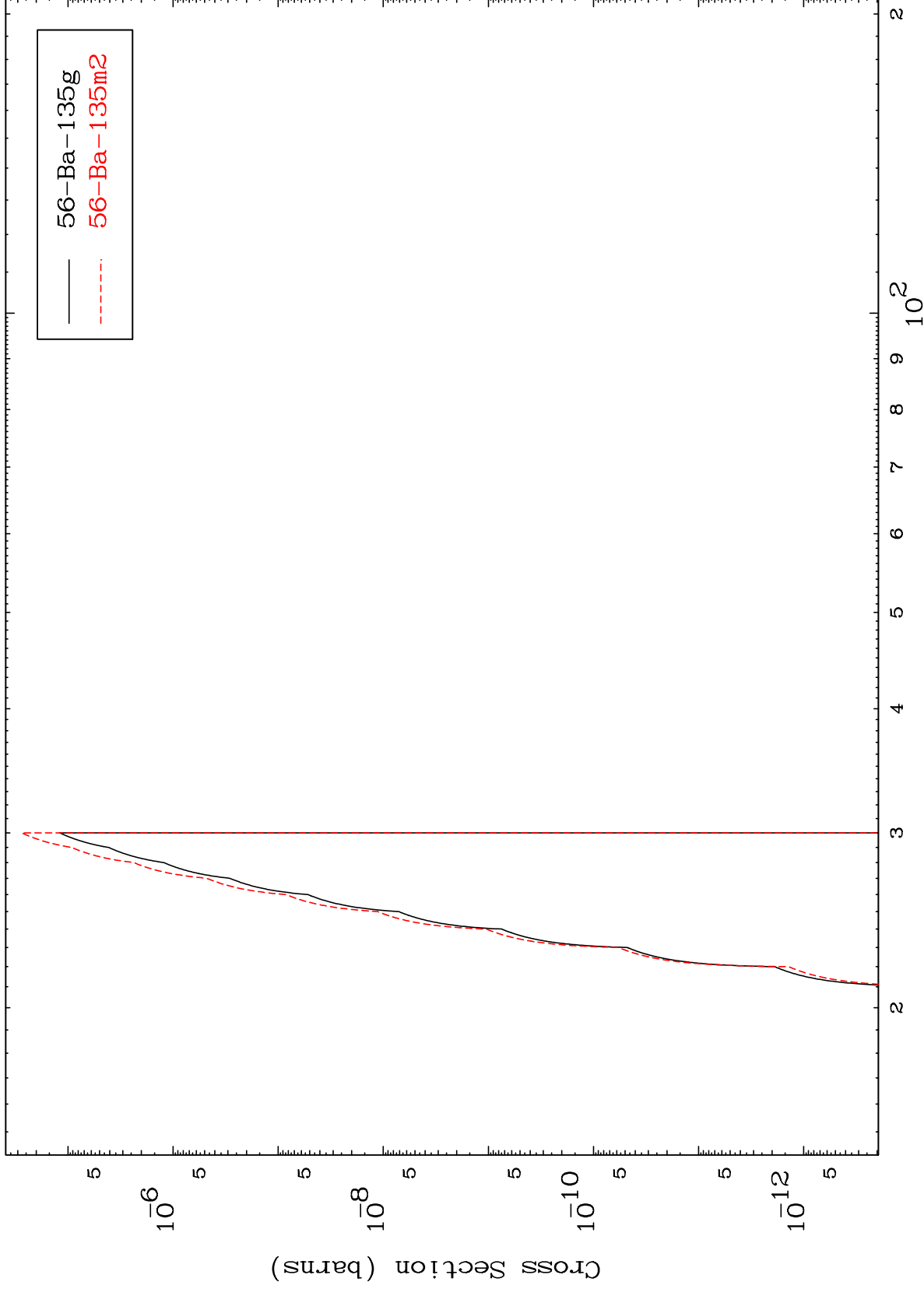
58-Ce-138

MAT 5831

(n,n') He-3

58-Ce-138

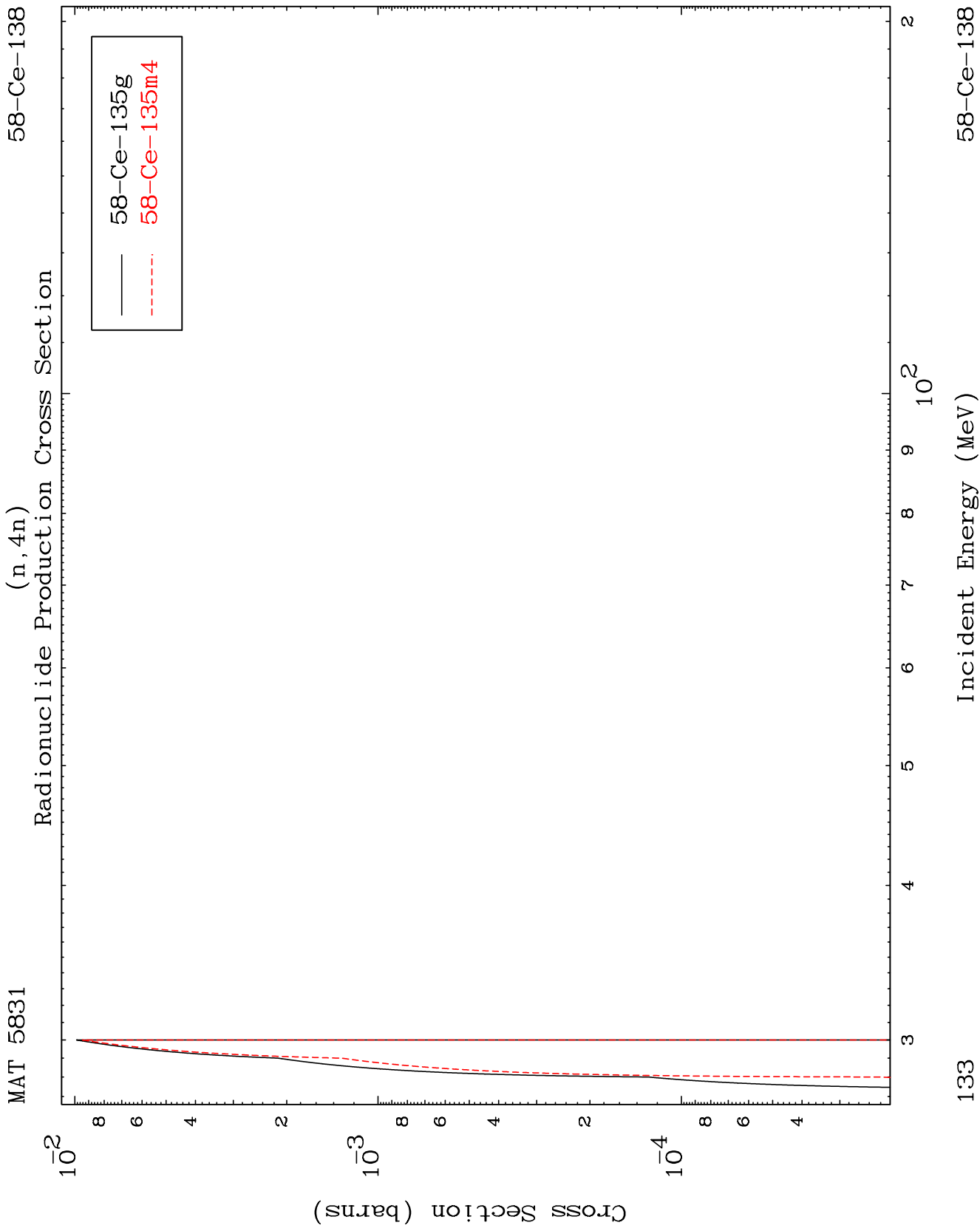
Radionuclide Production Cross Section



132

Incident Energy (MeV)

58-Ce-138

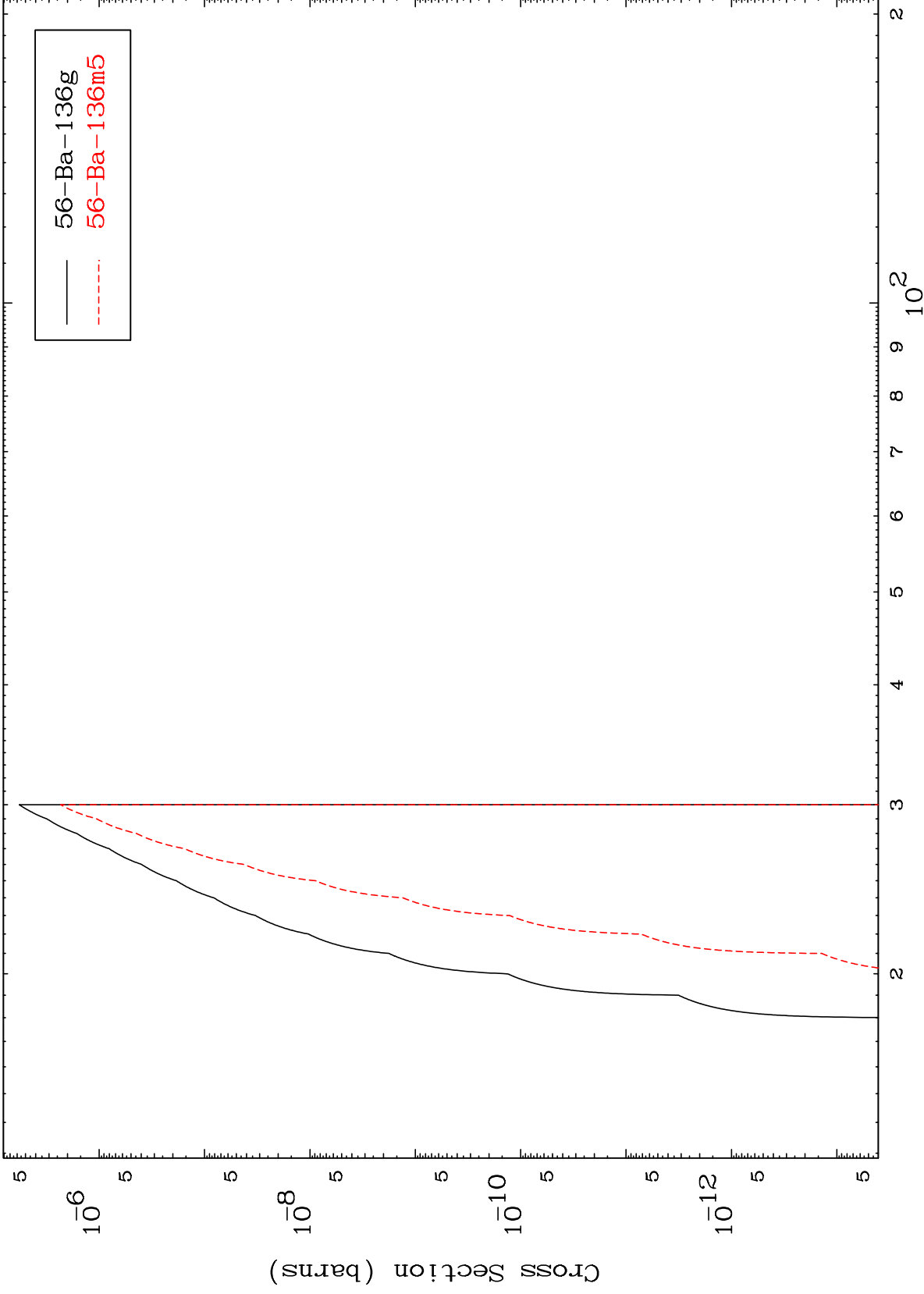


MAT 5831

(n,2n) p

58-Ce-138

Radionuclide Production Cross Section



134

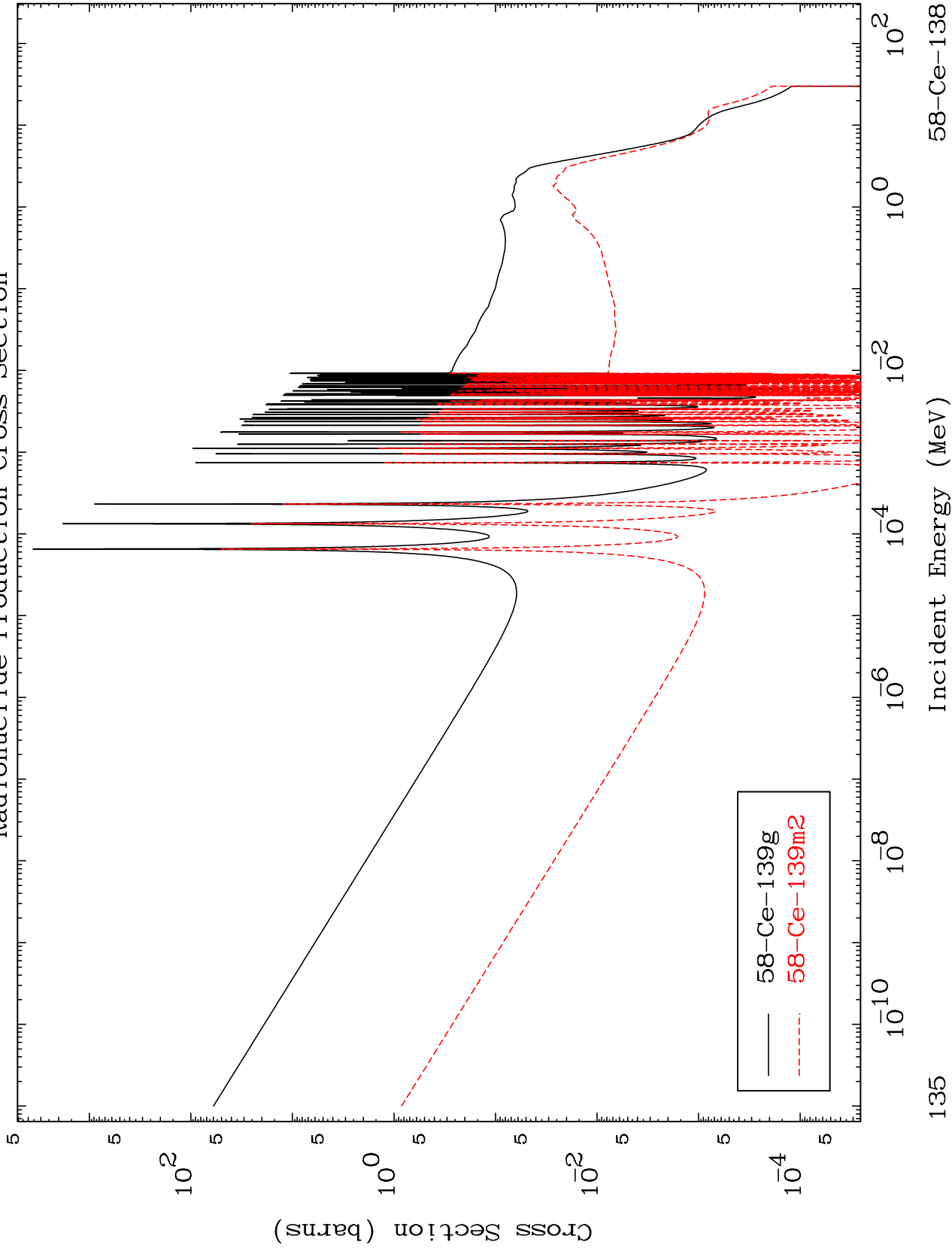
Incident Energy (MeV)

58-Ce-138

MAT 5831

58-Ce-138

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



135

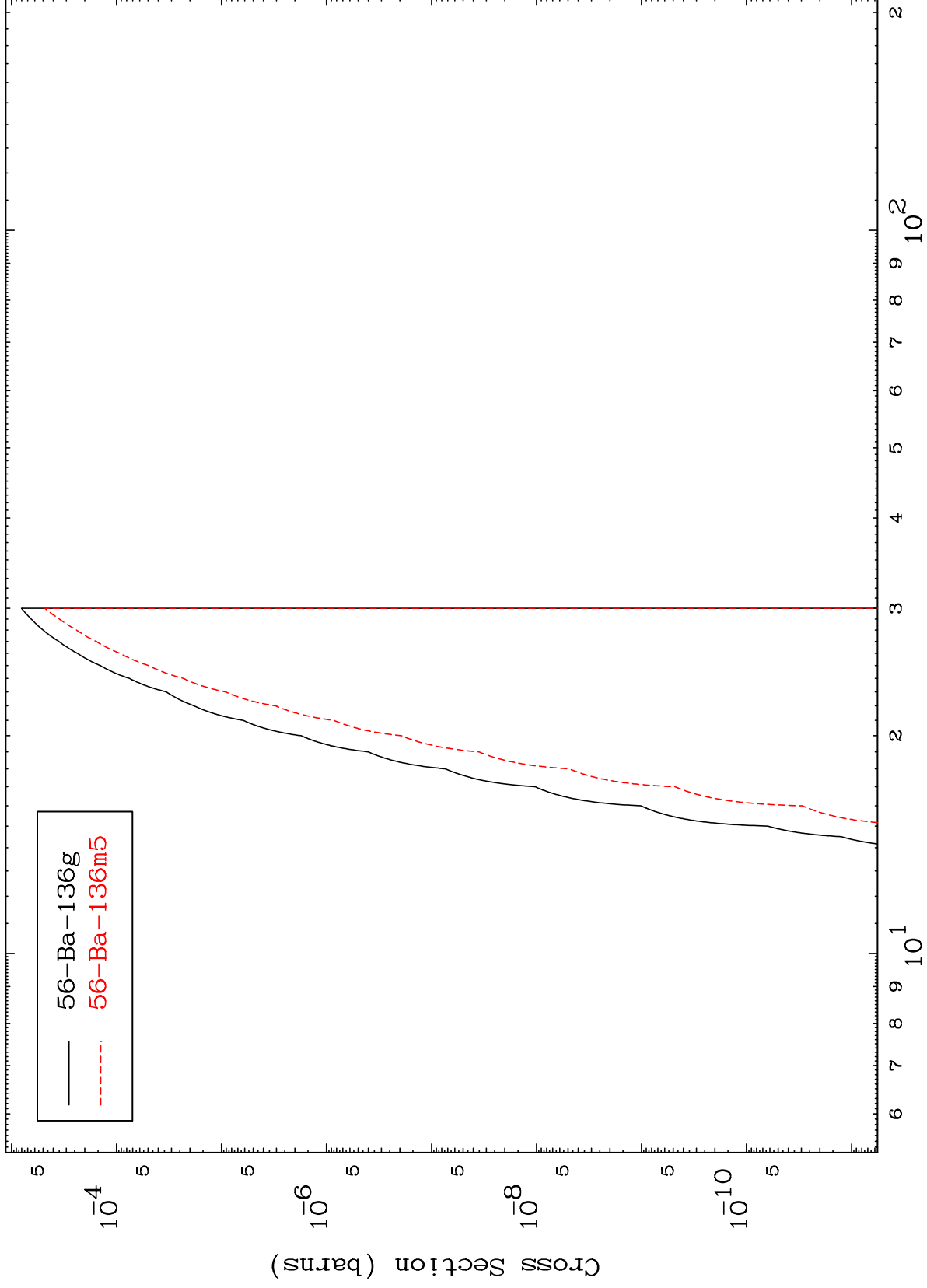


MAT 5831

(n,He-3)

58-Ce-138

Radionuclide Production Cross Section



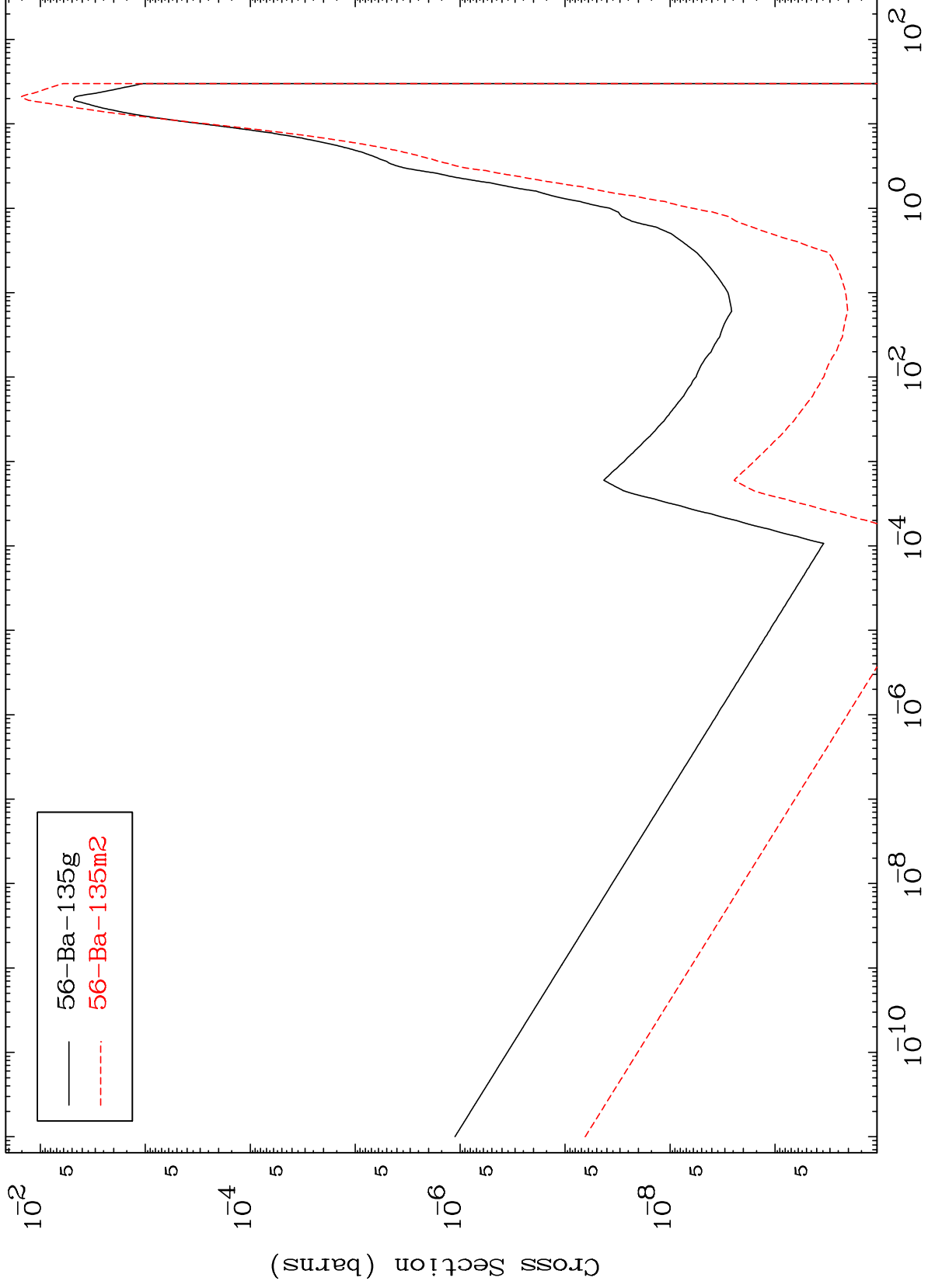
56-Ba-136g  
56-Ba-136m5

MAT 5831

(n,  $\alpha$ )

58-Ce-138

Radionuclide Production Cross Section



137

Incident Energy (MeV)

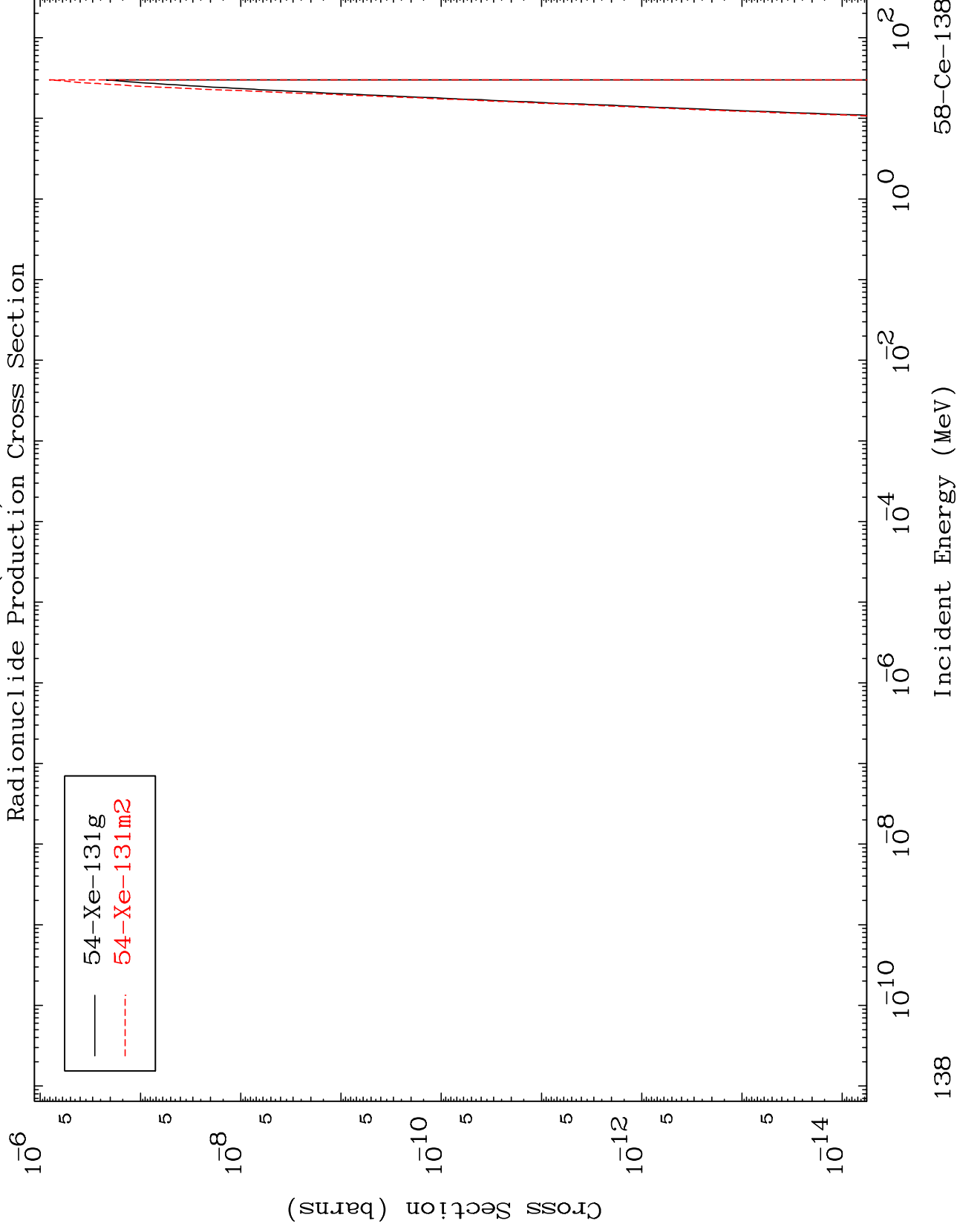
58-Ce-138

MAT 5831

(n,2α)

58-Ce-138

Radionuclide Production Cross Section



138

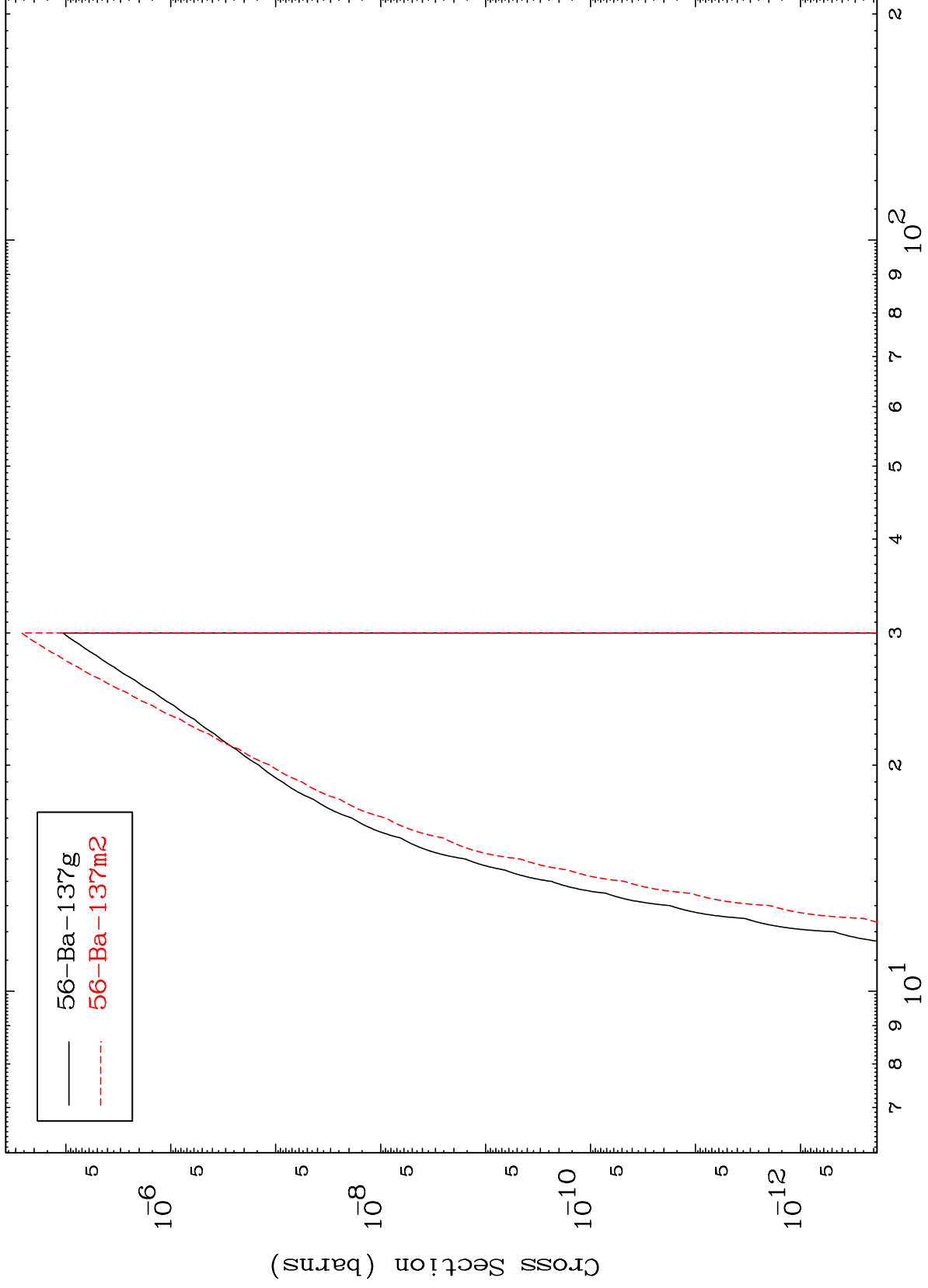
Incident Energy (MeV)

58-Ce-138

MAT 5831

58-Ce-138

(n,2p)  
Radionuclide Production Cross Section



139

Incident Energy (MeV)

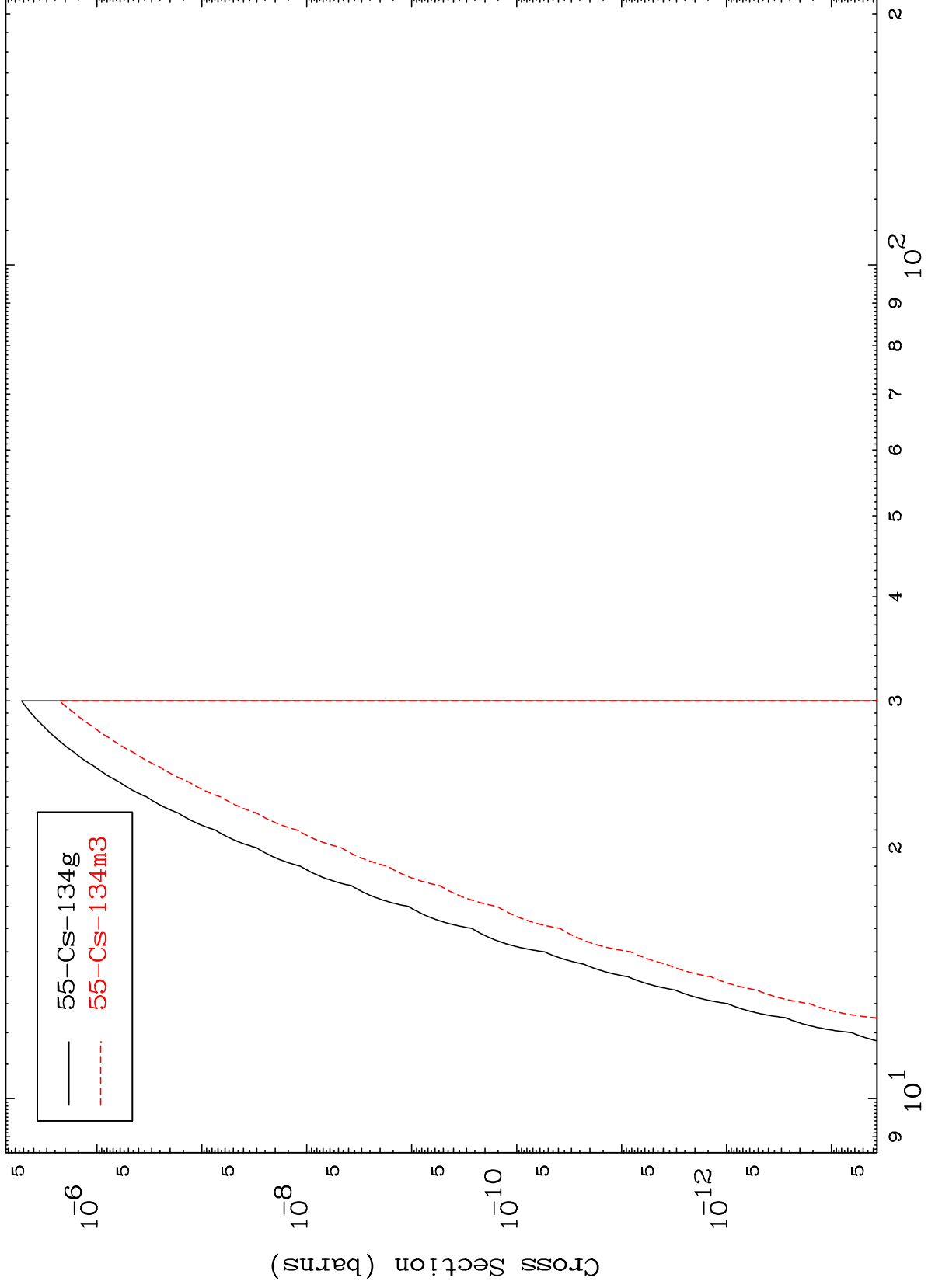
58-Ce-138

MAT 5831

(n,p)  $\alpha$

58-Ce-138

Radionuclide Production Cross Section



140

Incident Energy (MeV)

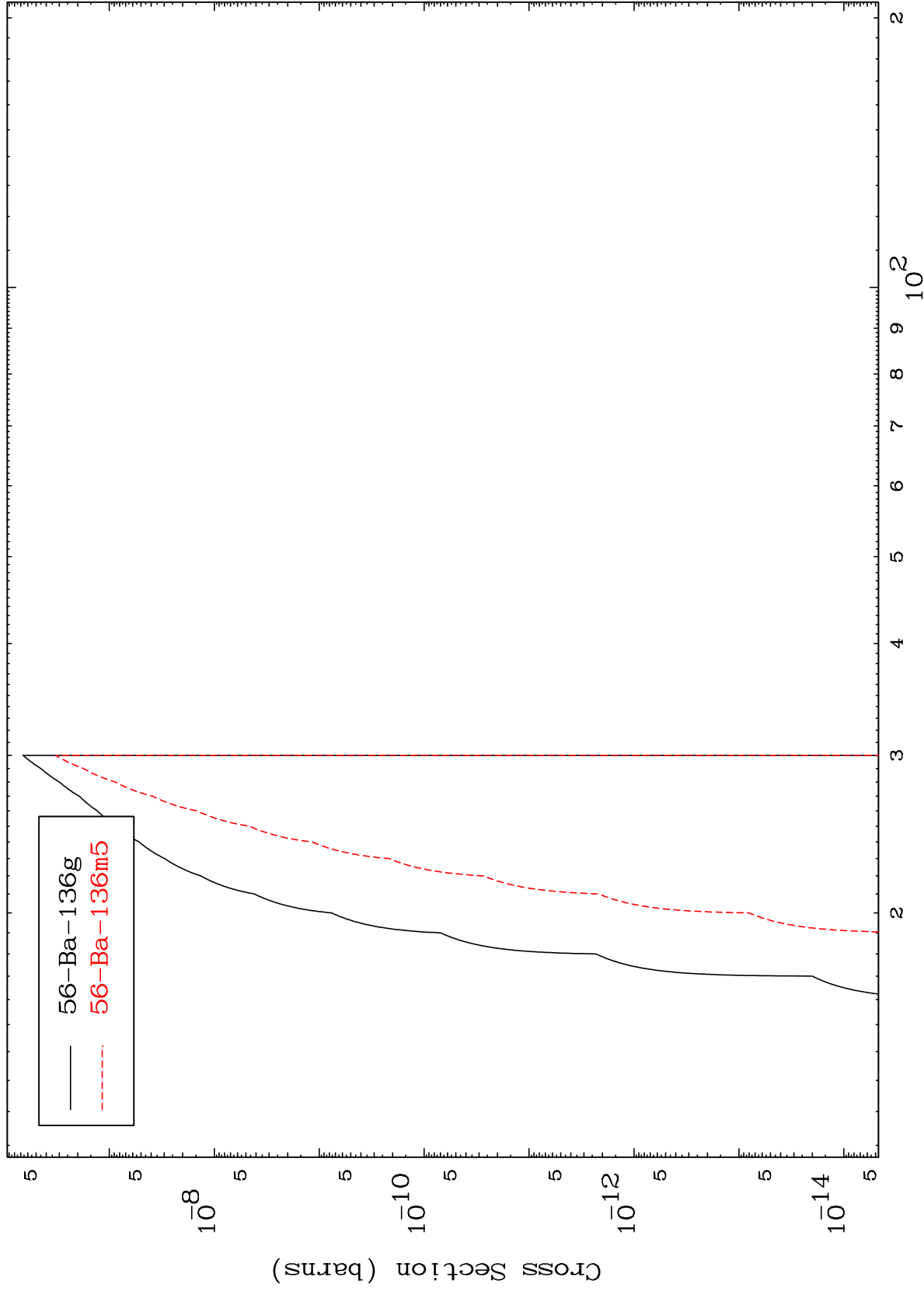
58-Ce-138

MAT 5831

(n,p) d

58-Ce-138

Radionuclide Production Cross Section



141

Incident Energy (MeV)

58-Ce-138

