

Program EVALPLOT
(Version 2015-2)

by

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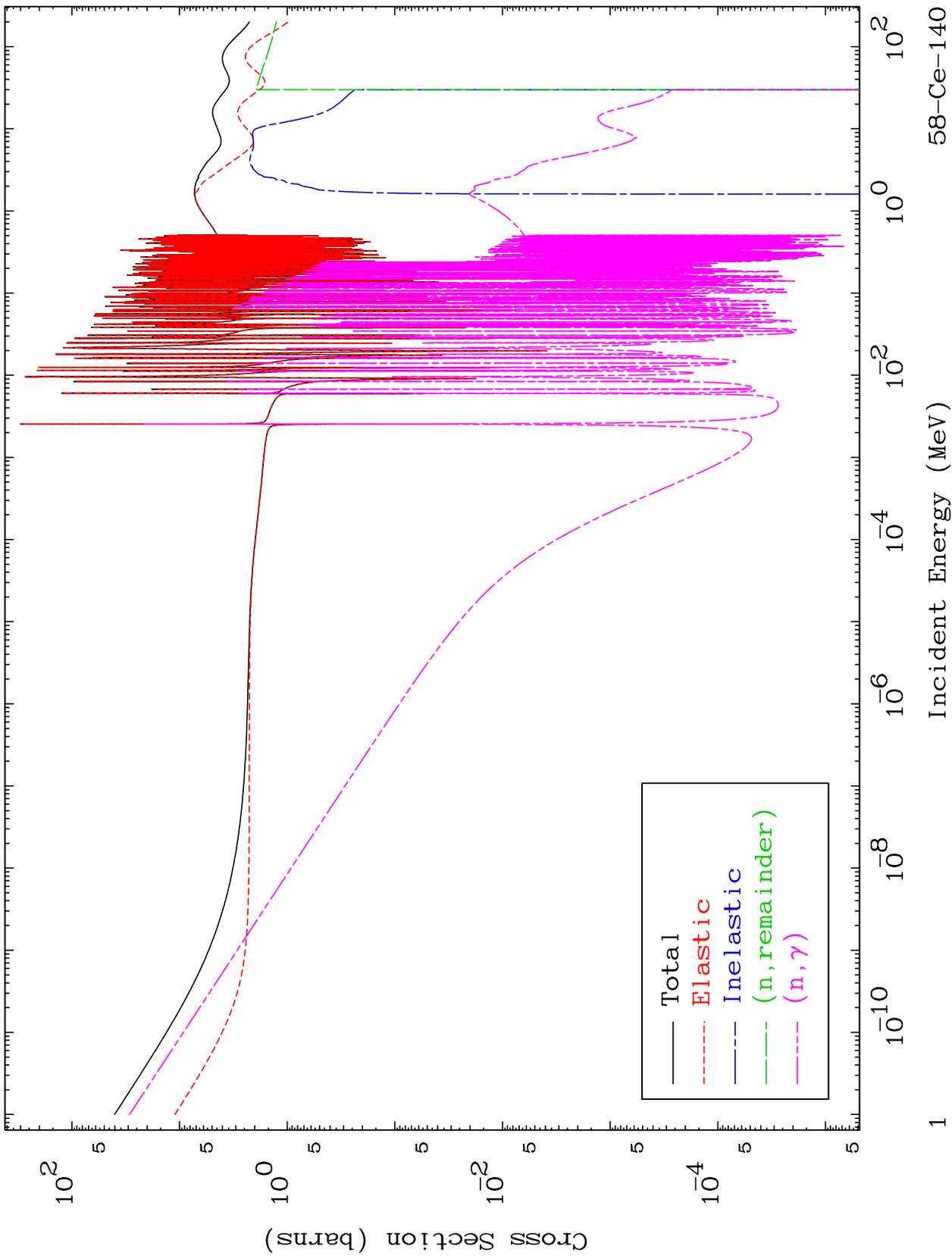
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5837

Major
293 Kelvin Cross Sections

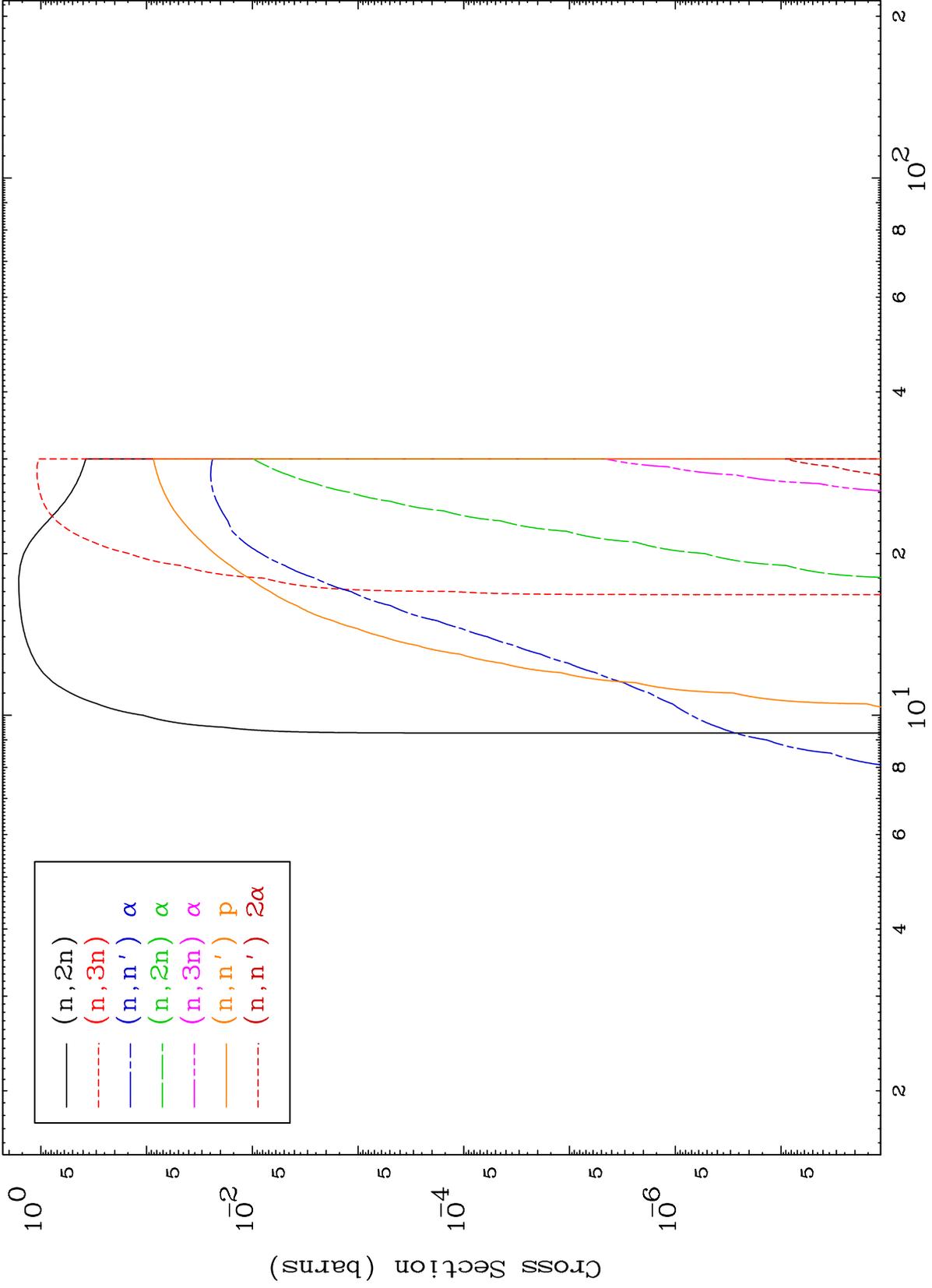
58-Ce-140

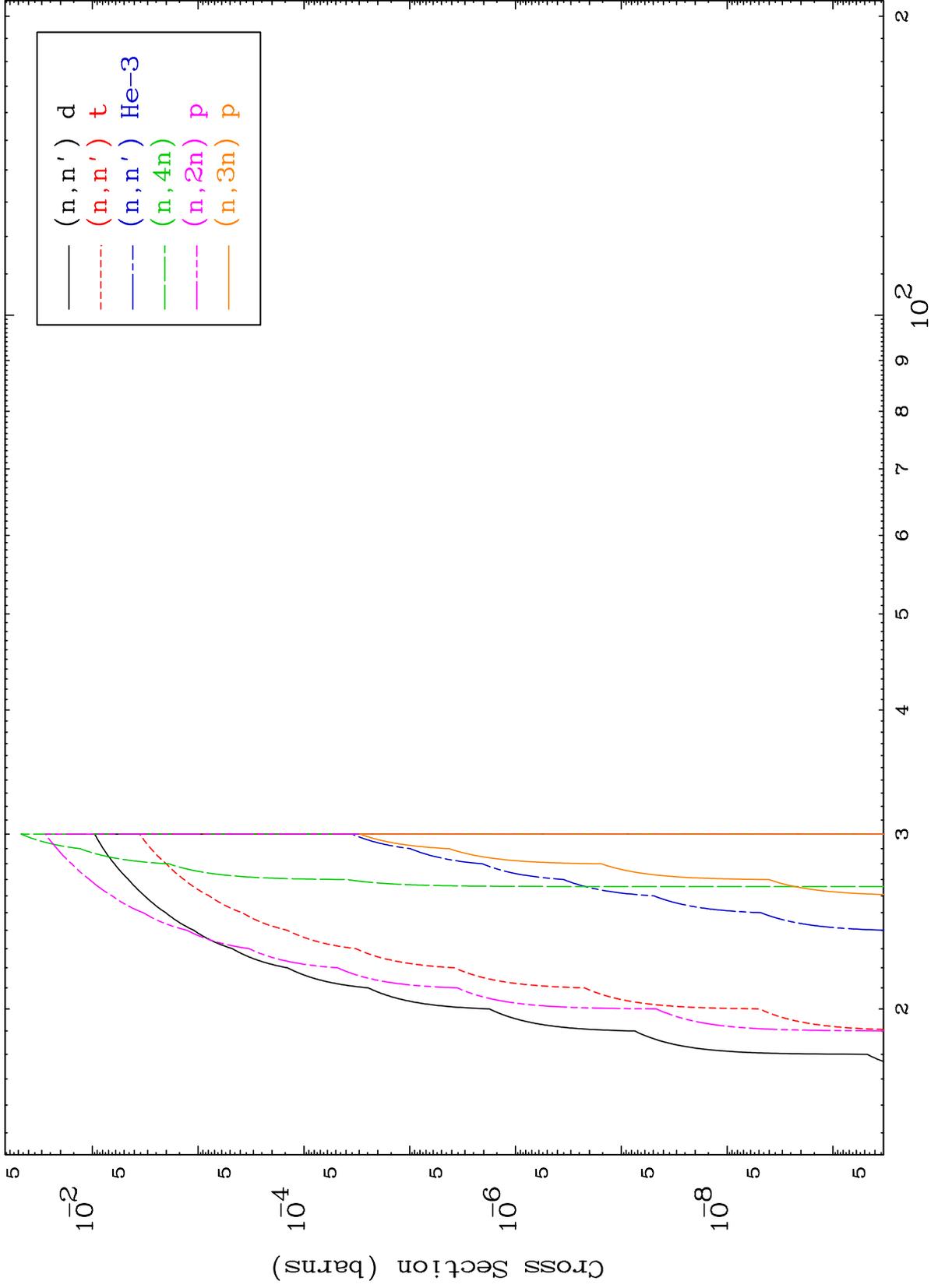


MAT 5837

Neutron Production
293 Kelvin Cross Sections

58-Ce-140

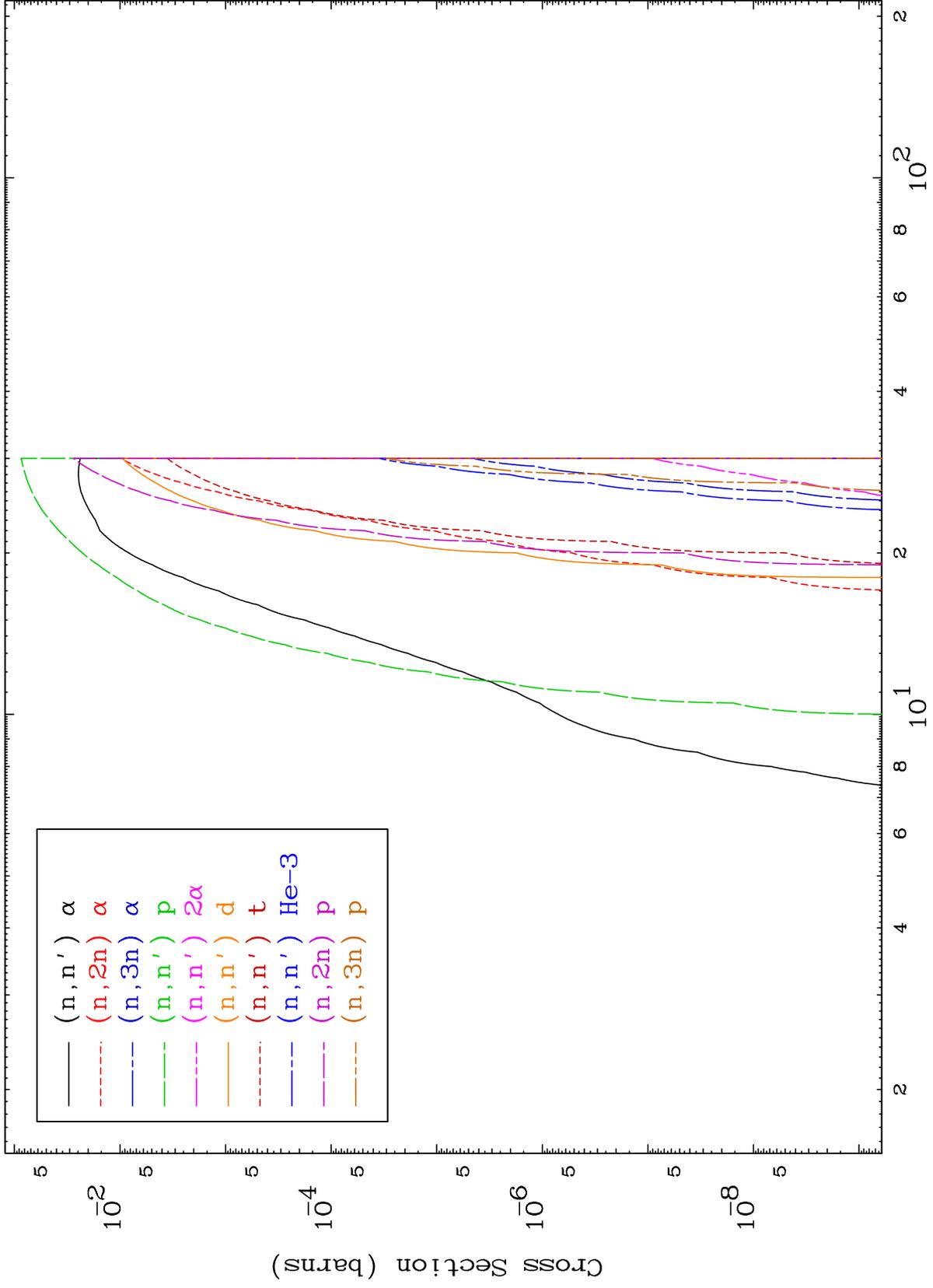


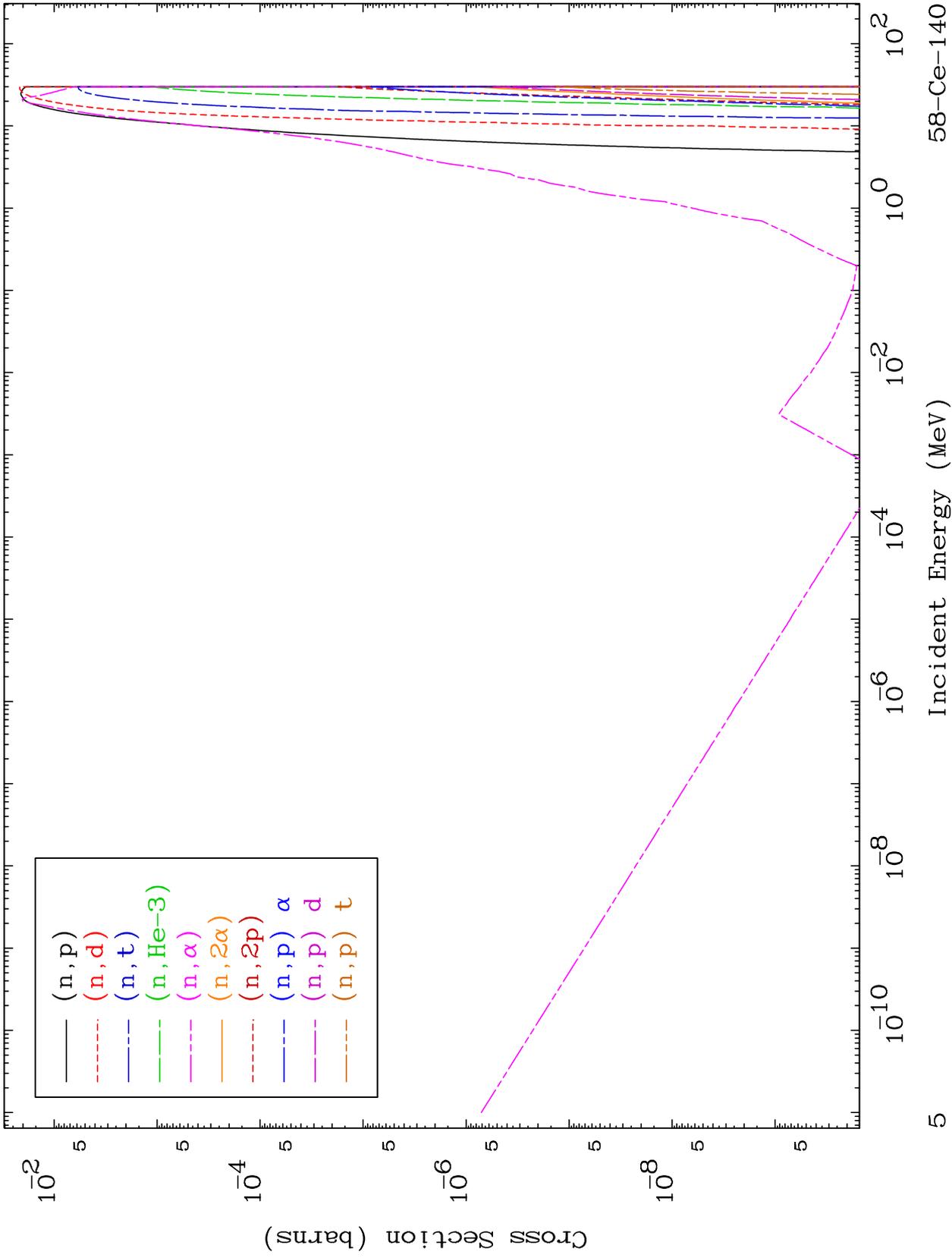


MAT 5837

Charged Particle
293 Kelvin Cross Sections

58-Ce-140

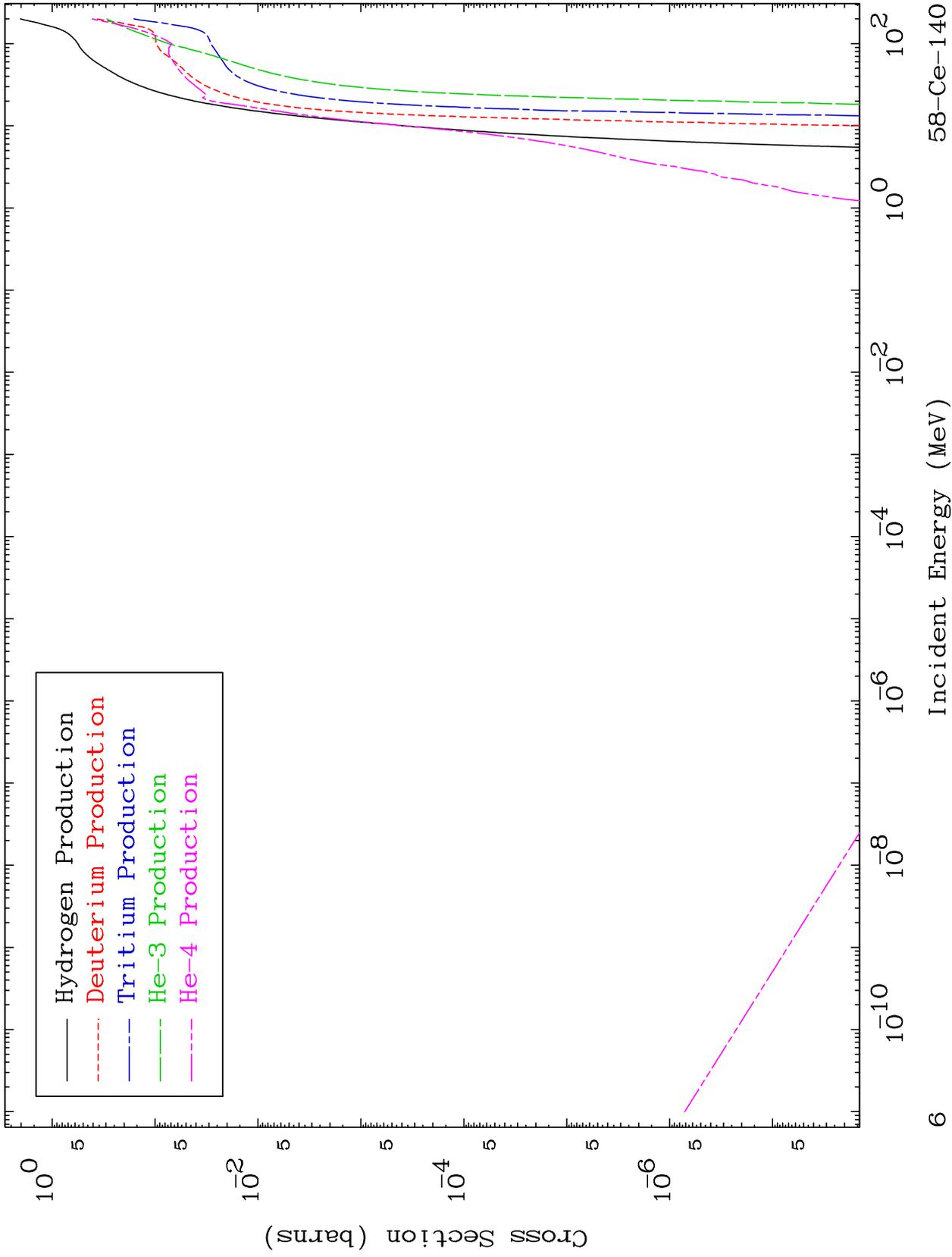




MAT 5837

Particle Production
293 Kelvin Cross Sections

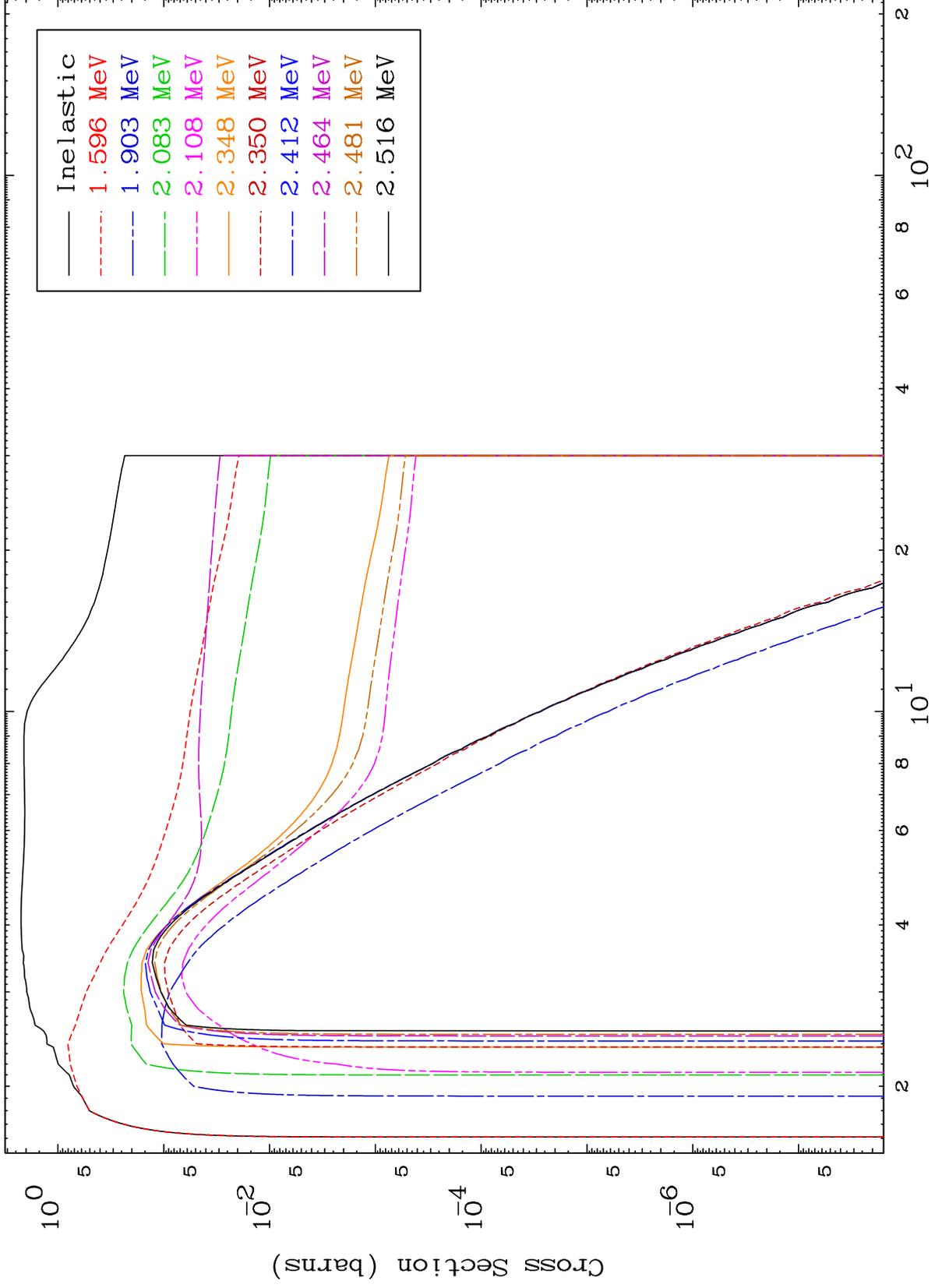
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MAT 5837

(n,n') Level
293 Kelvin Cross Sections

58-Ce-140



7

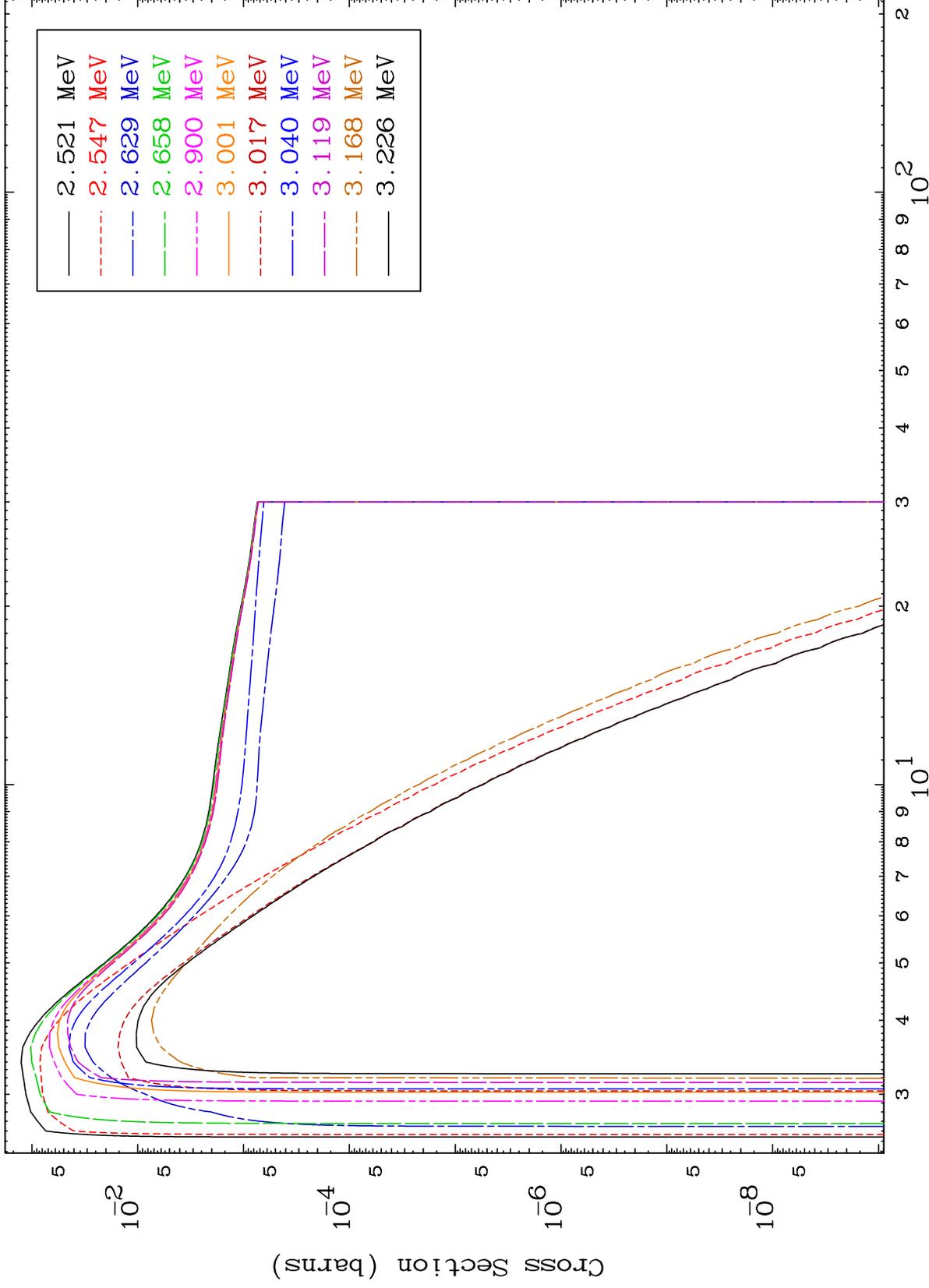
Incident Energy (MeV)

58-Ce-140

MAT 5837

(n,n') Level
293 Kelvin Cross Sections

58-Ce-140



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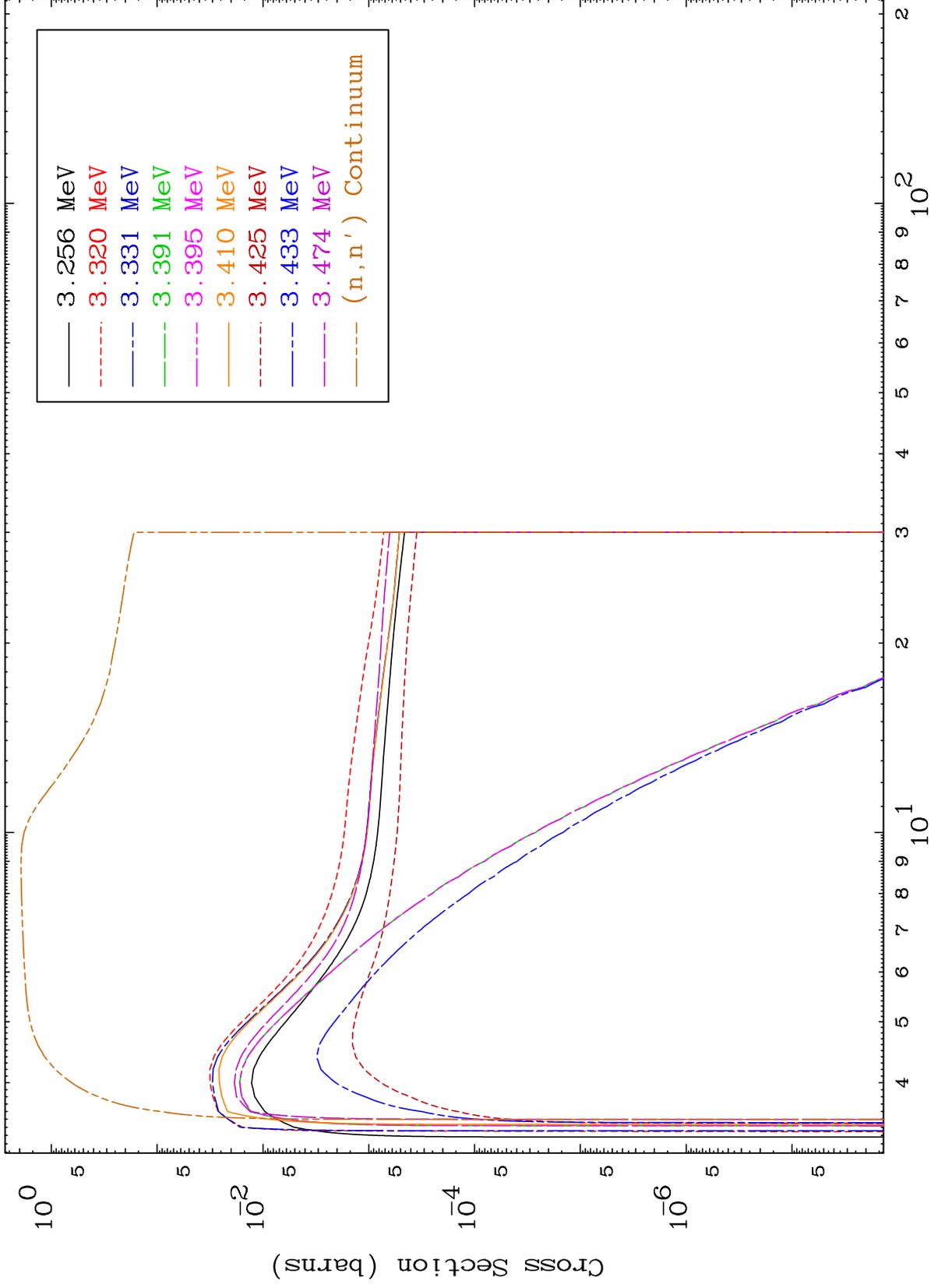
Incident Energy (MeV)

58-Ce-140

MAT 5837

(n,n') Level
293 Kelvin Cross Sections

58-Ce-140



9

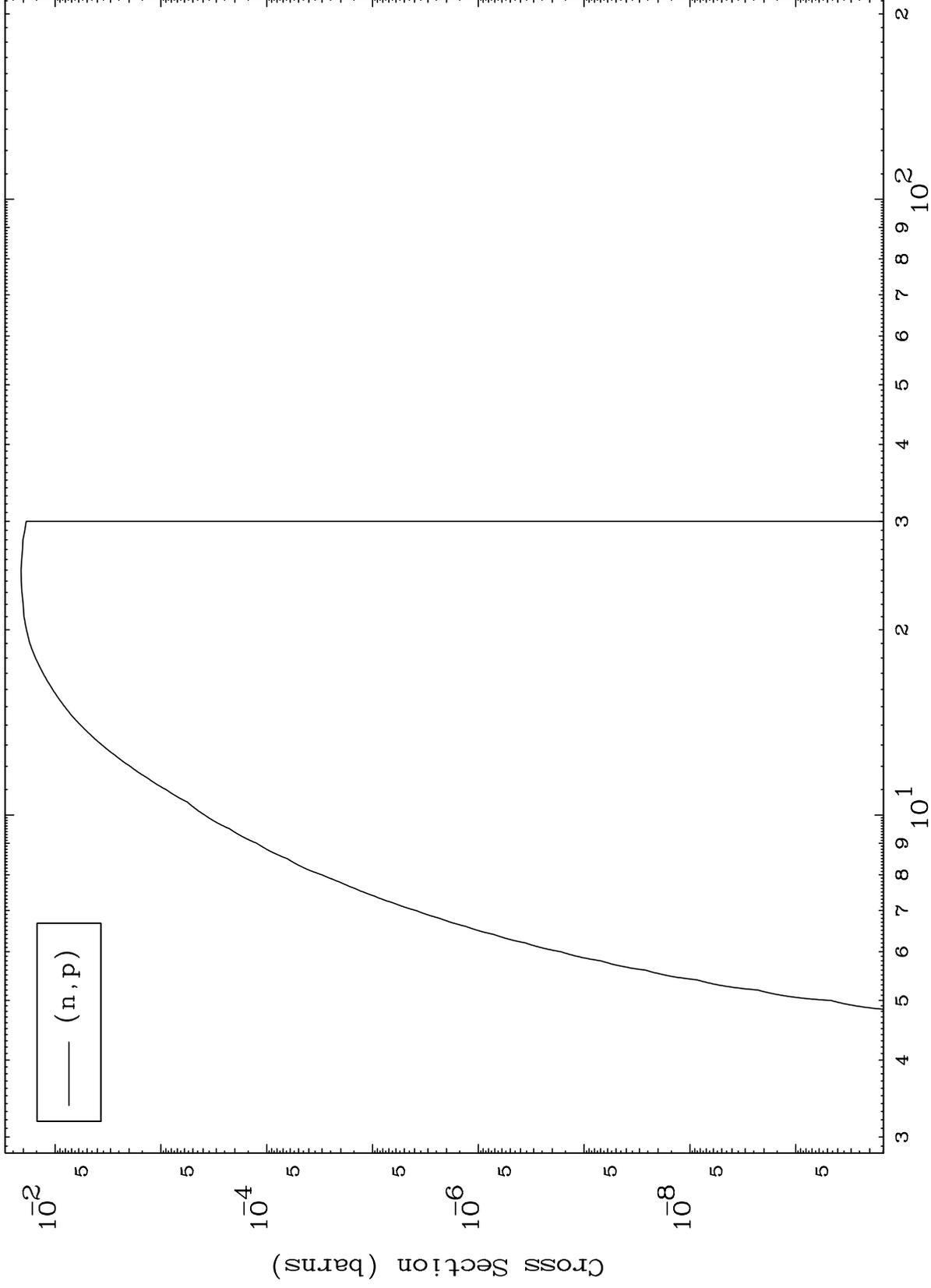
Incident Energy (MeV)

58-Ce-140

MAT 5837

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-140



Incident Energy (MeV)

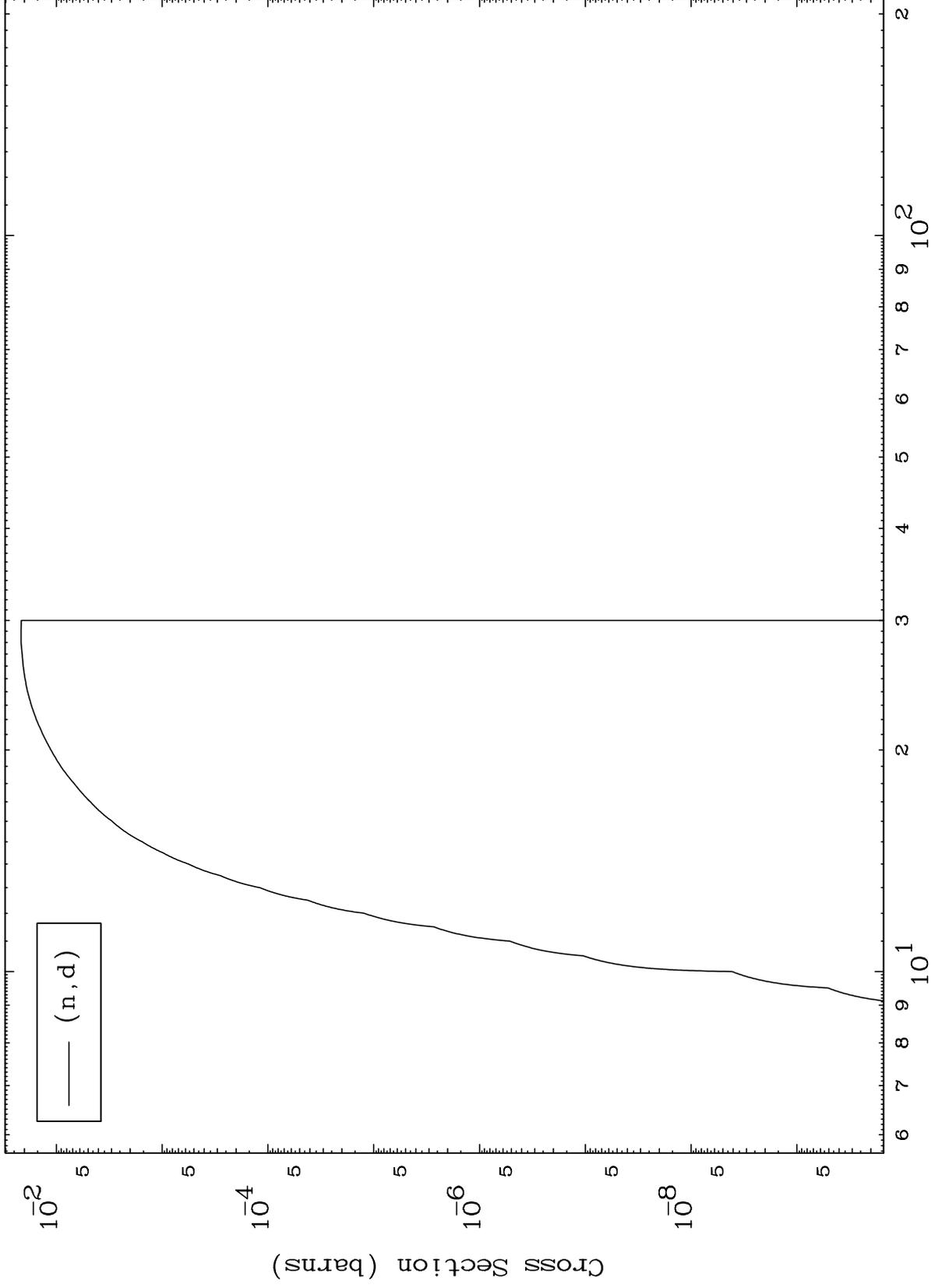
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10

MAT 5837

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-140



11

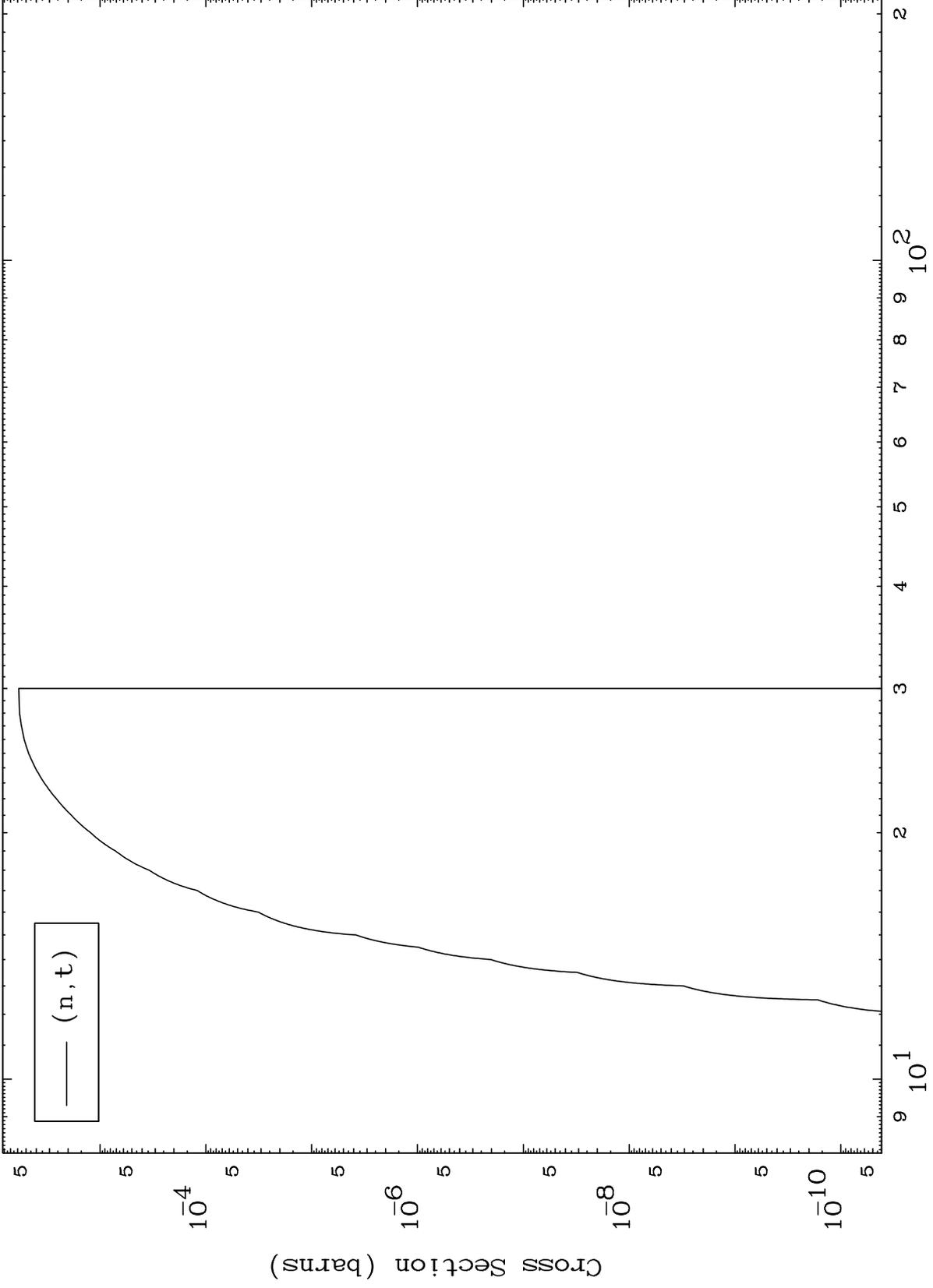
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MAT 5837

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-140



12

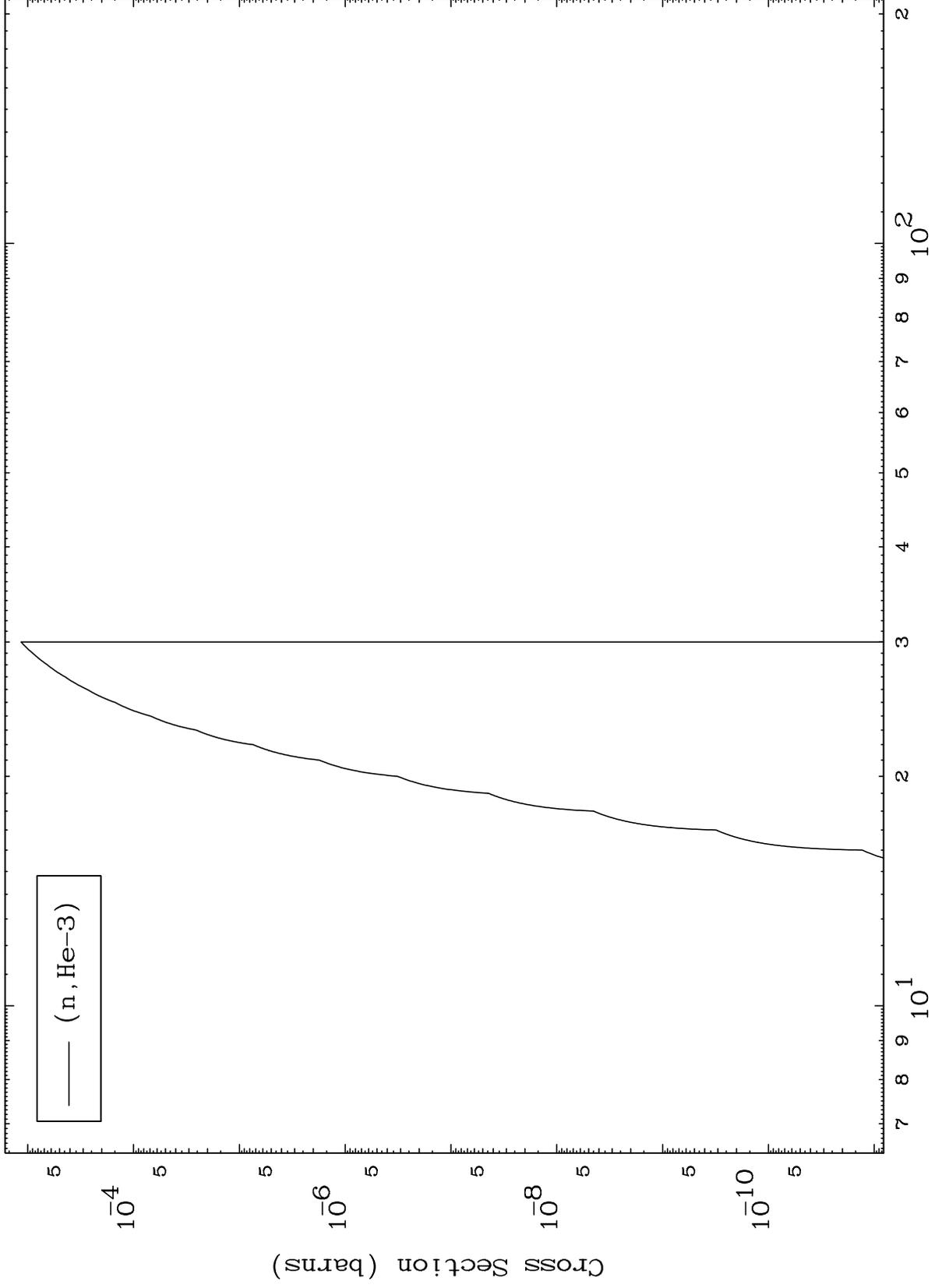
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58-Ce-140

MAT 5837

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-140



13

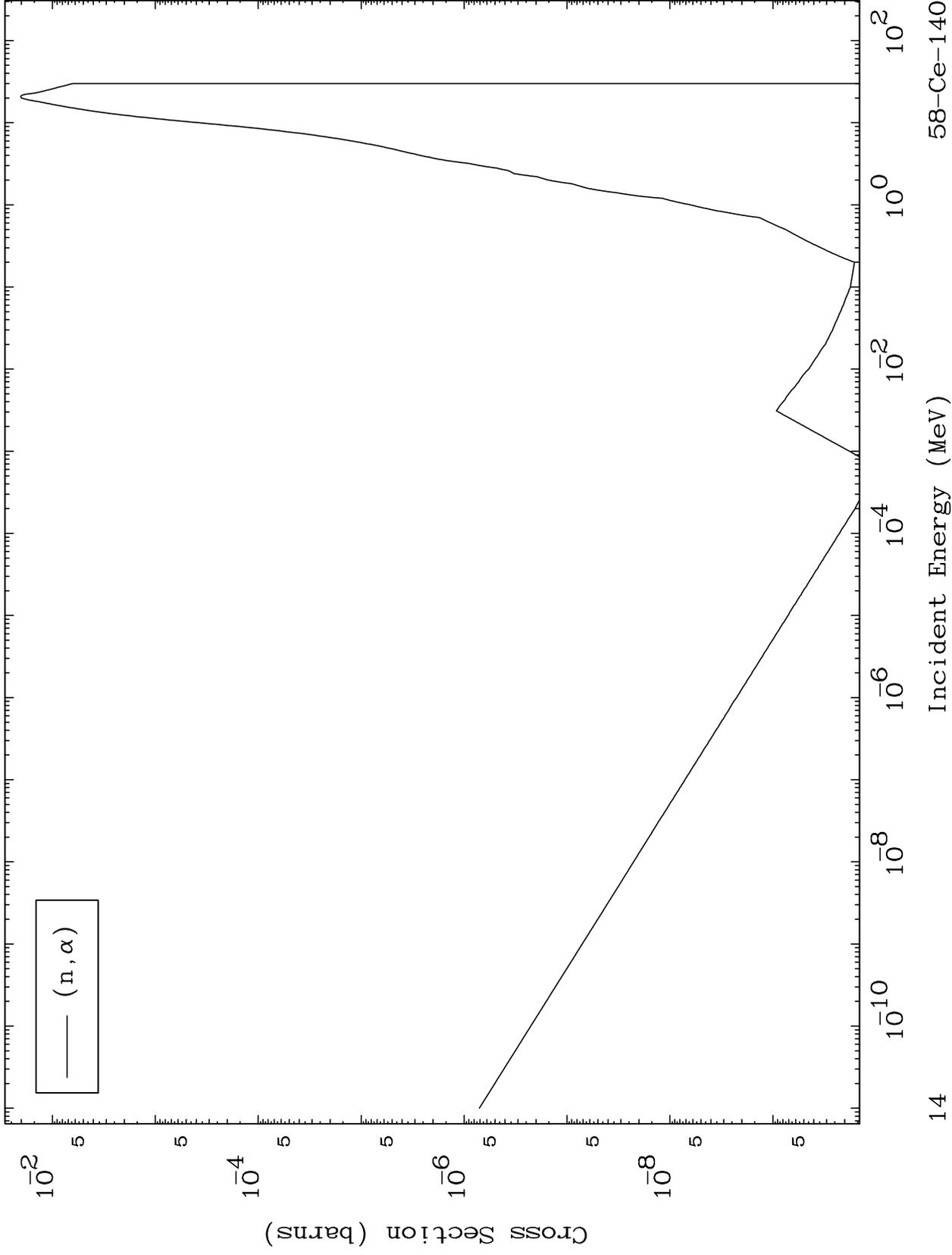
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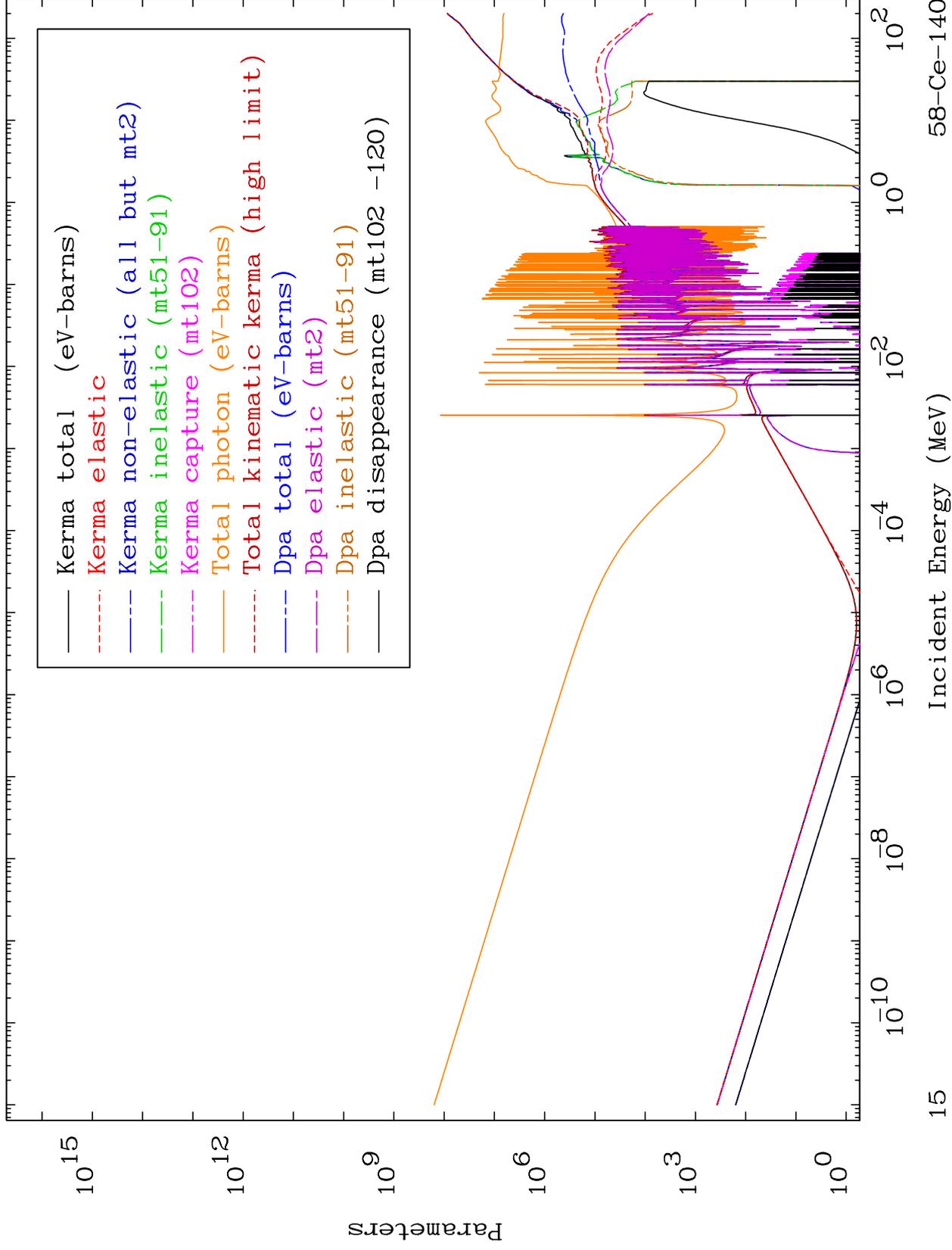
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MAT 5837

(n, α) Levels
293 Kelvin Cross Sections

58-Ce-140

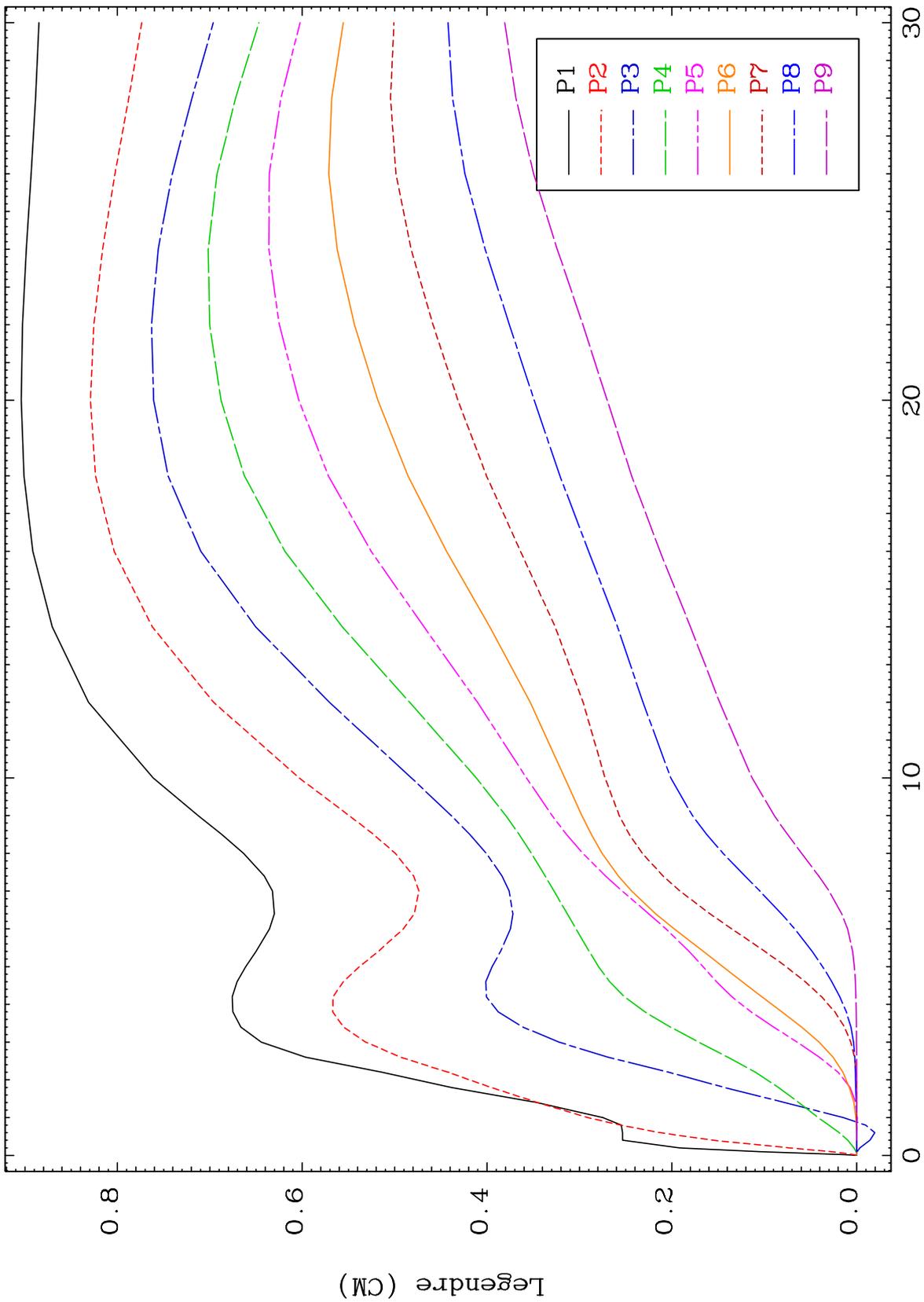




MAT 5837

Elastic Legendre Coefficients

58-Ce-140



16

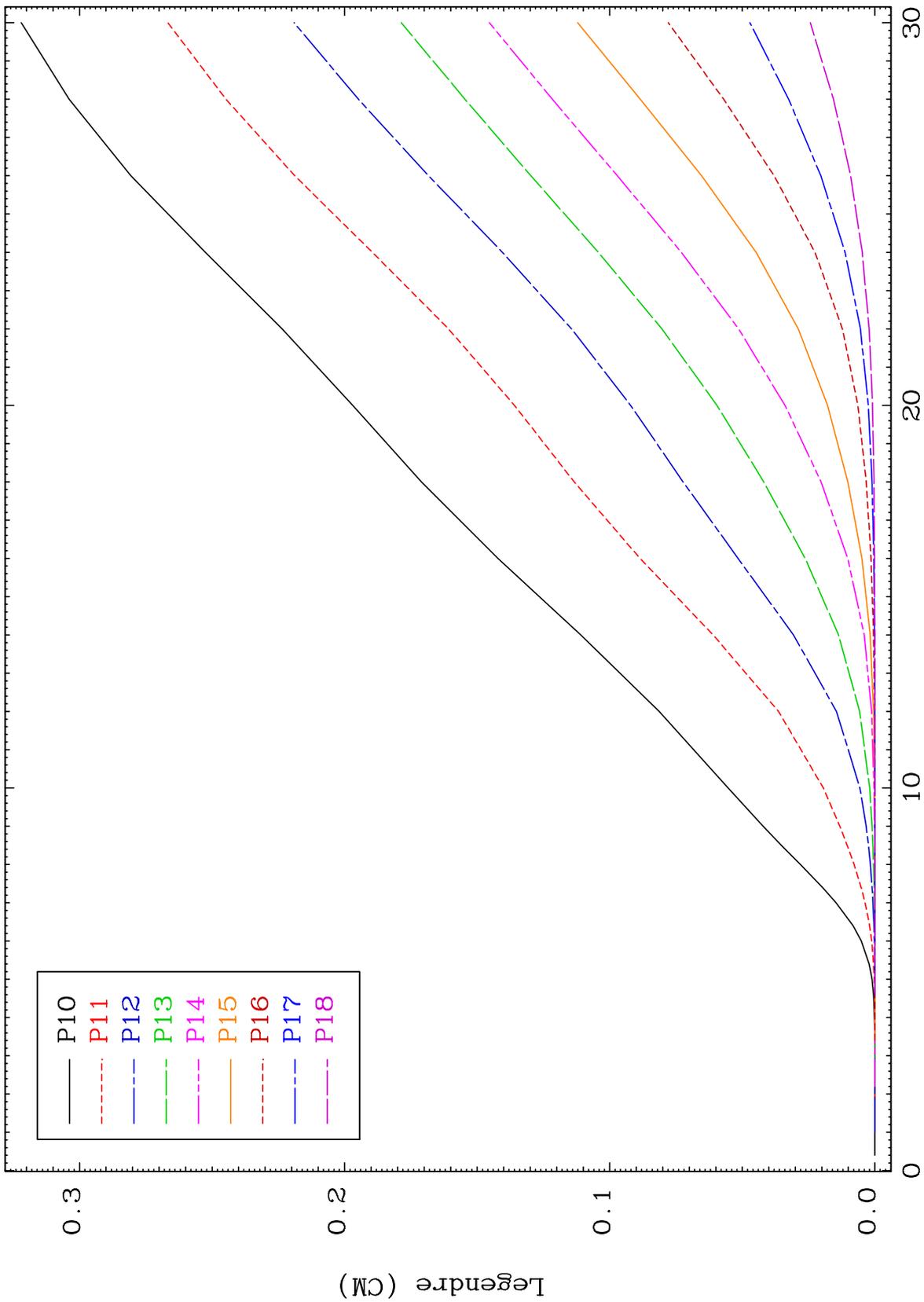
Incident Energy (MeV)

58-Ce-140

MAT 5837

Elastic Legendre Coefficients

58-Ce-140



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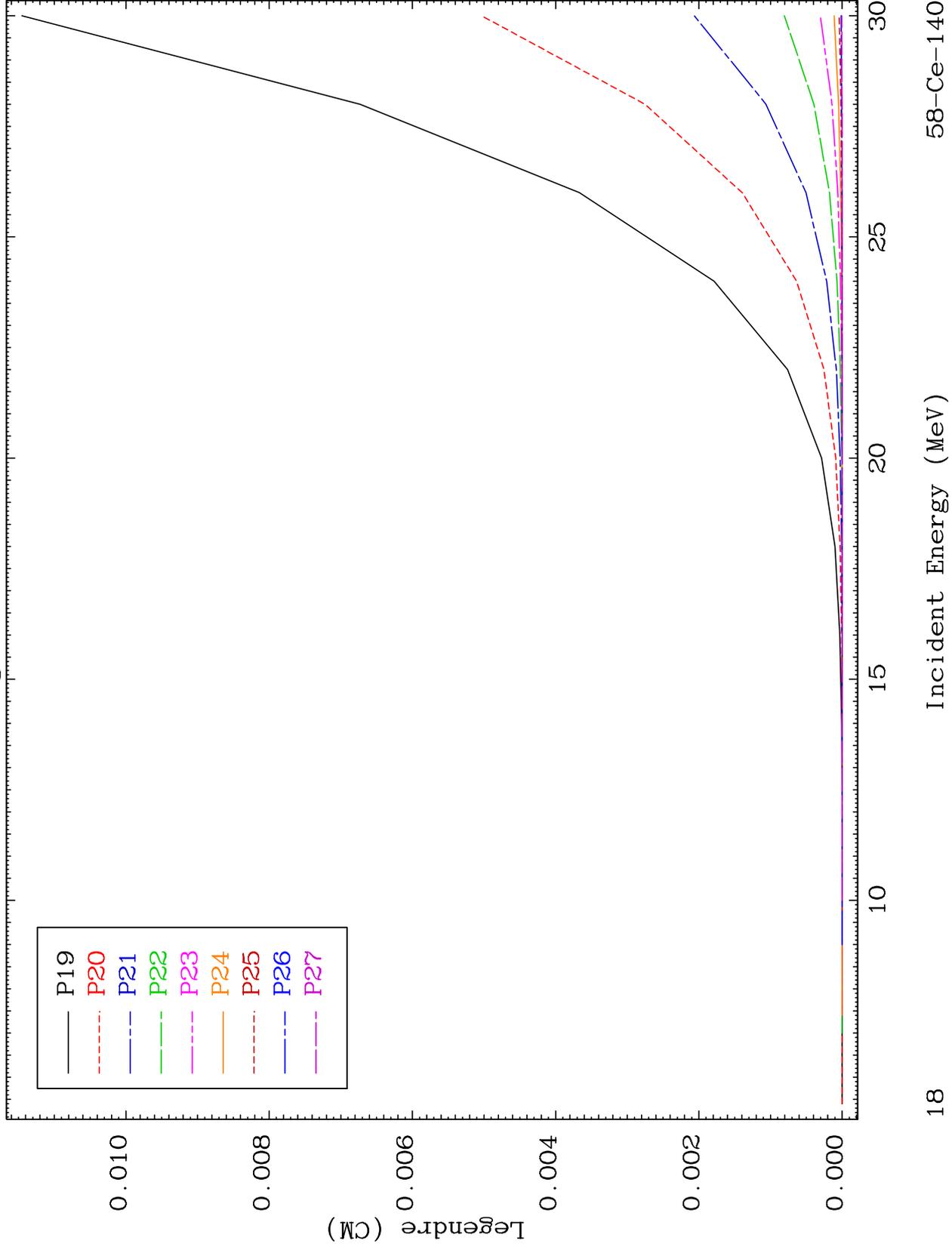
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58-Ce-140

MAT 5837

Elastic Legendre Coefficients

58-Ce-140



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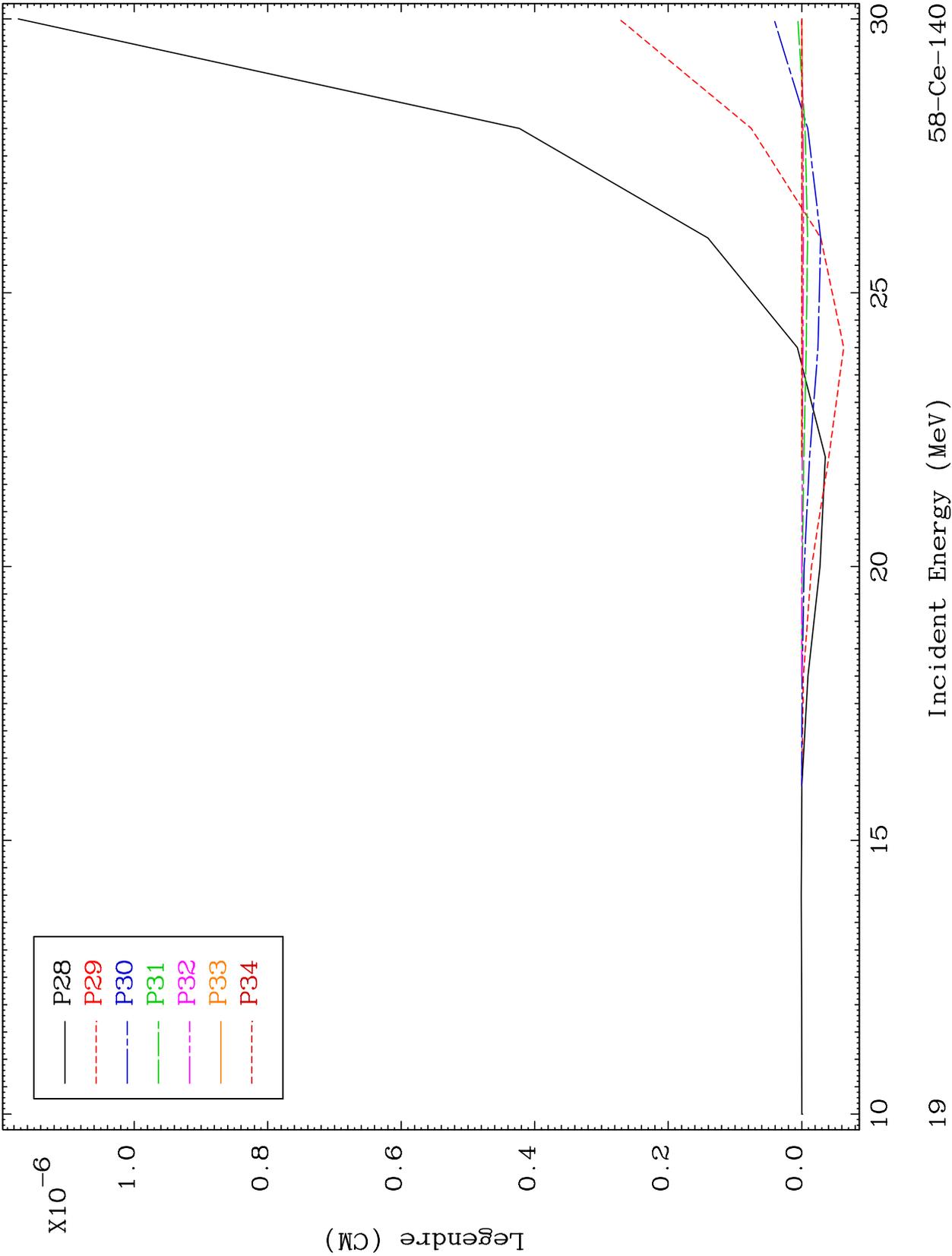
Incident Energy (MeV)

58-Ce-140

MAT 5837

Elastic Legendre Coefficients

58-Ce-140



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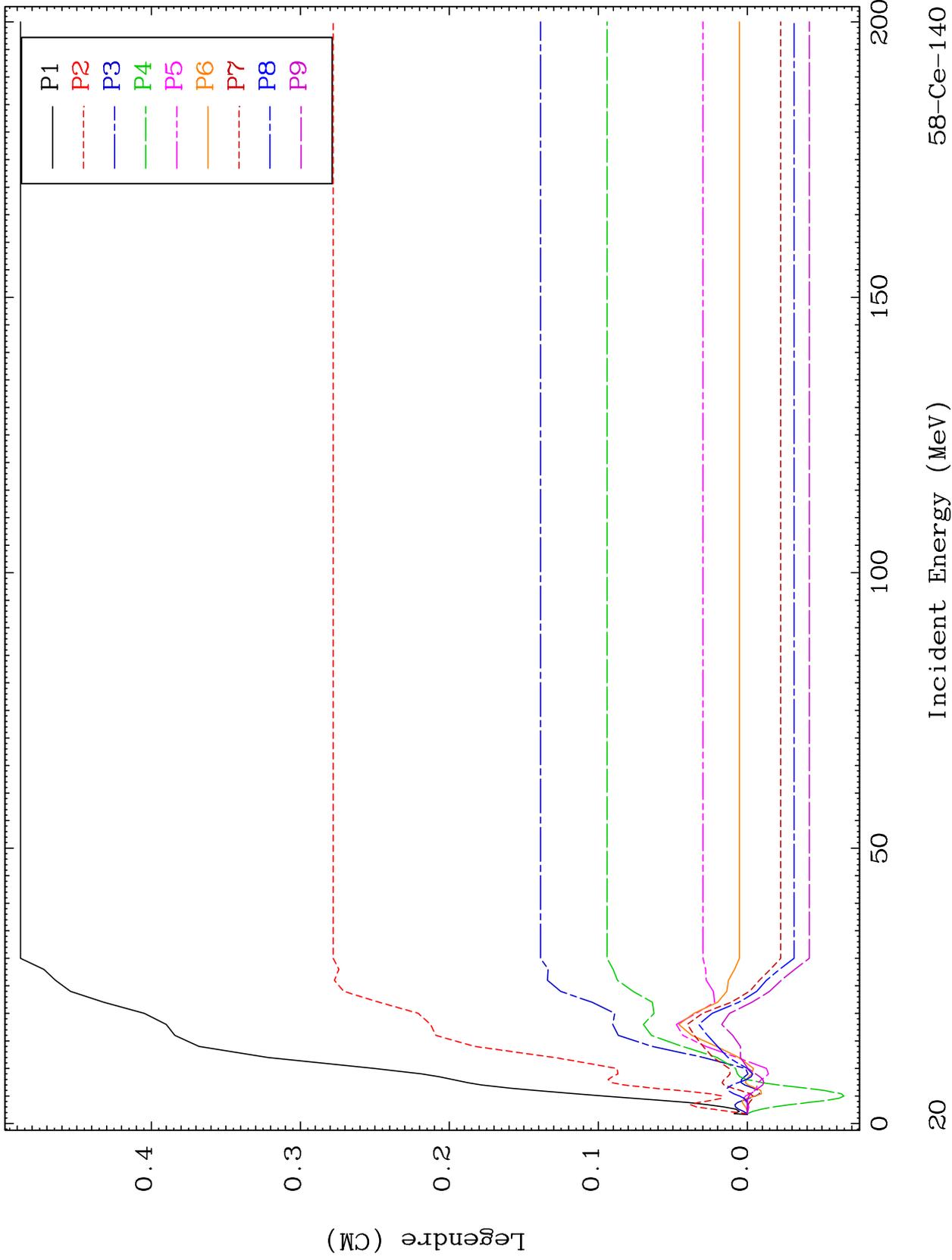
Incident Energy (MeV)

58-Ce-140

MAT 5837

1.596 MeV (n,n') Level
Legendre Coefficients

58-Ce-140

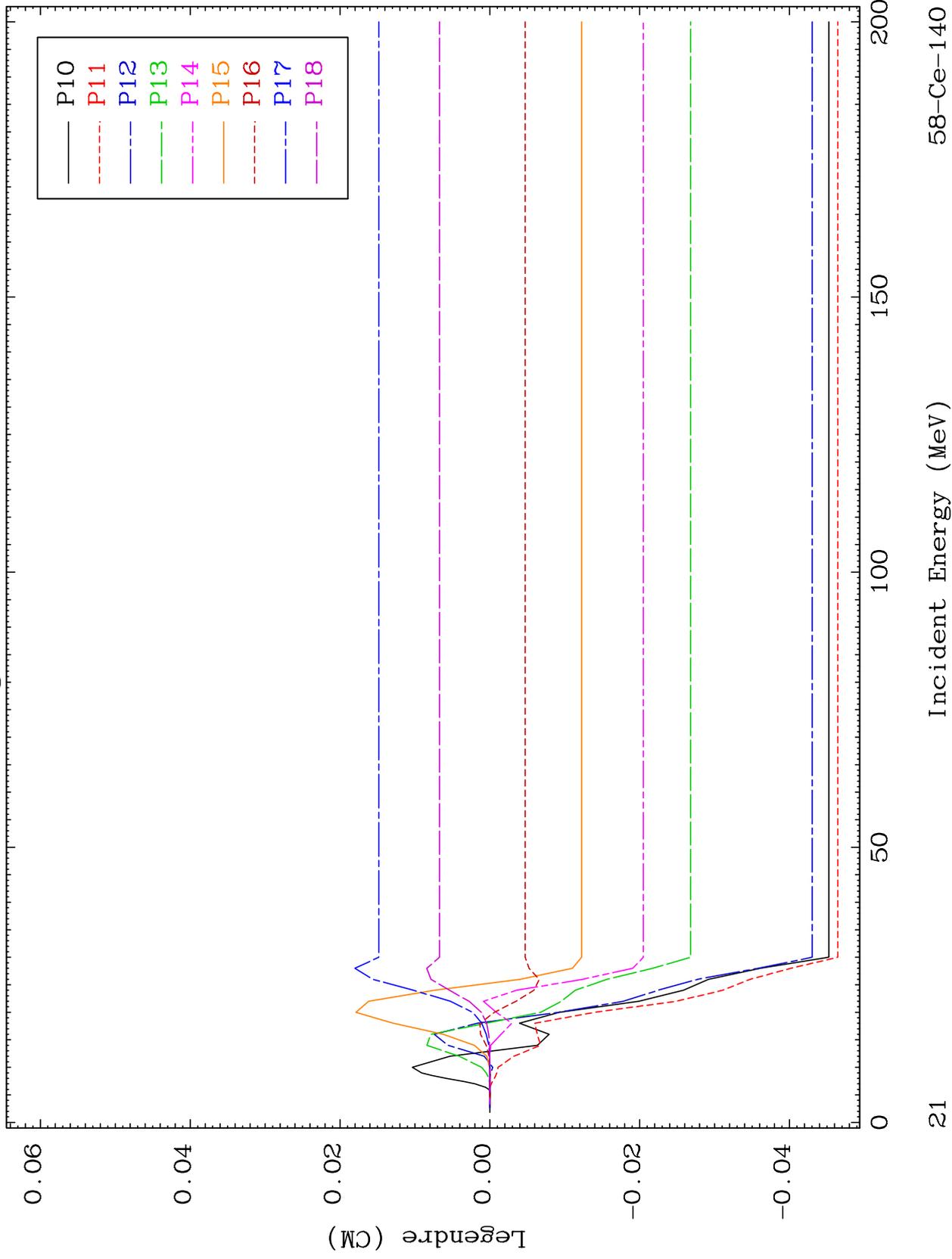


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MAT 5837

1.596 MeV (n,n') Level
Legendre Coefficients

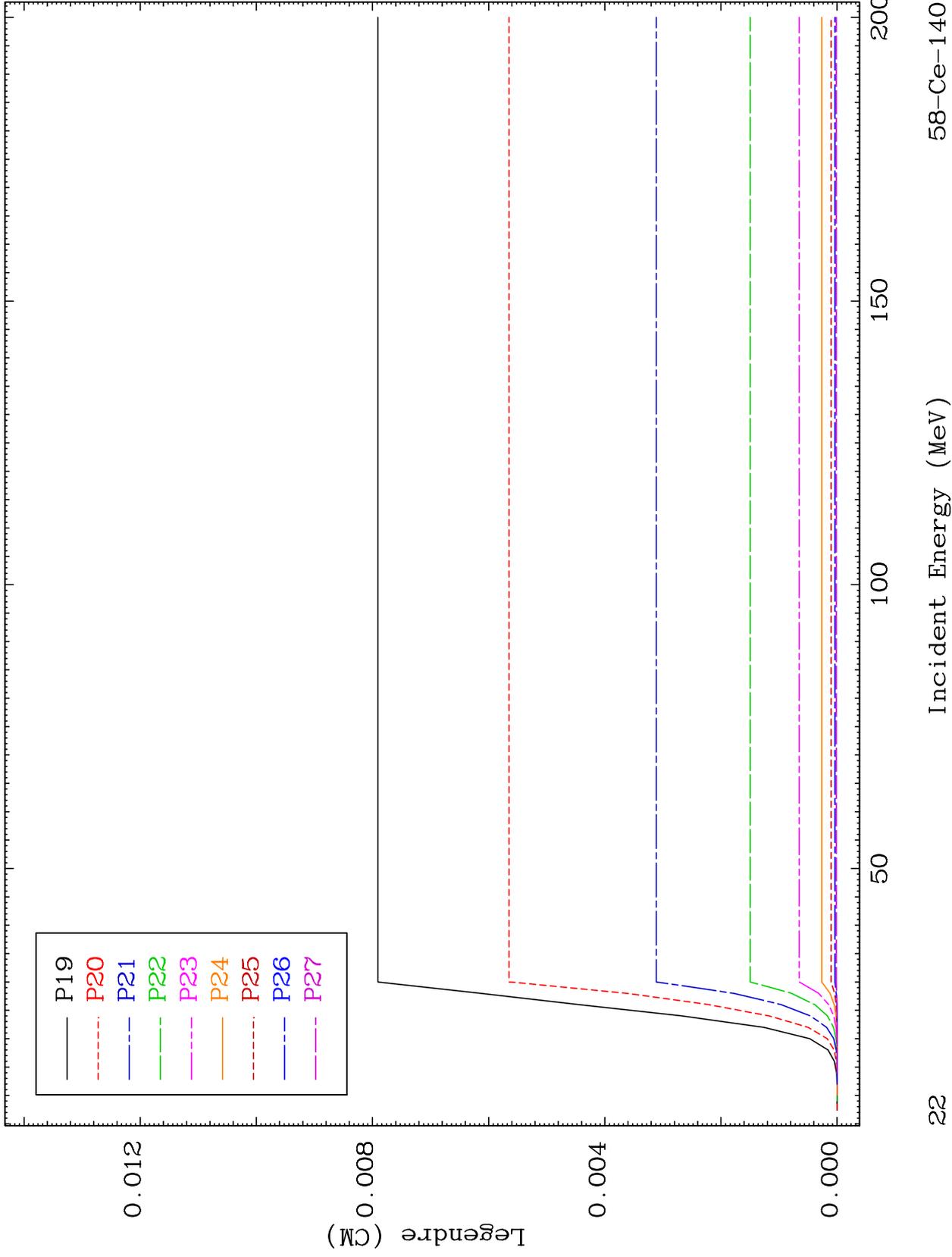
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Incident Energy (MeV)

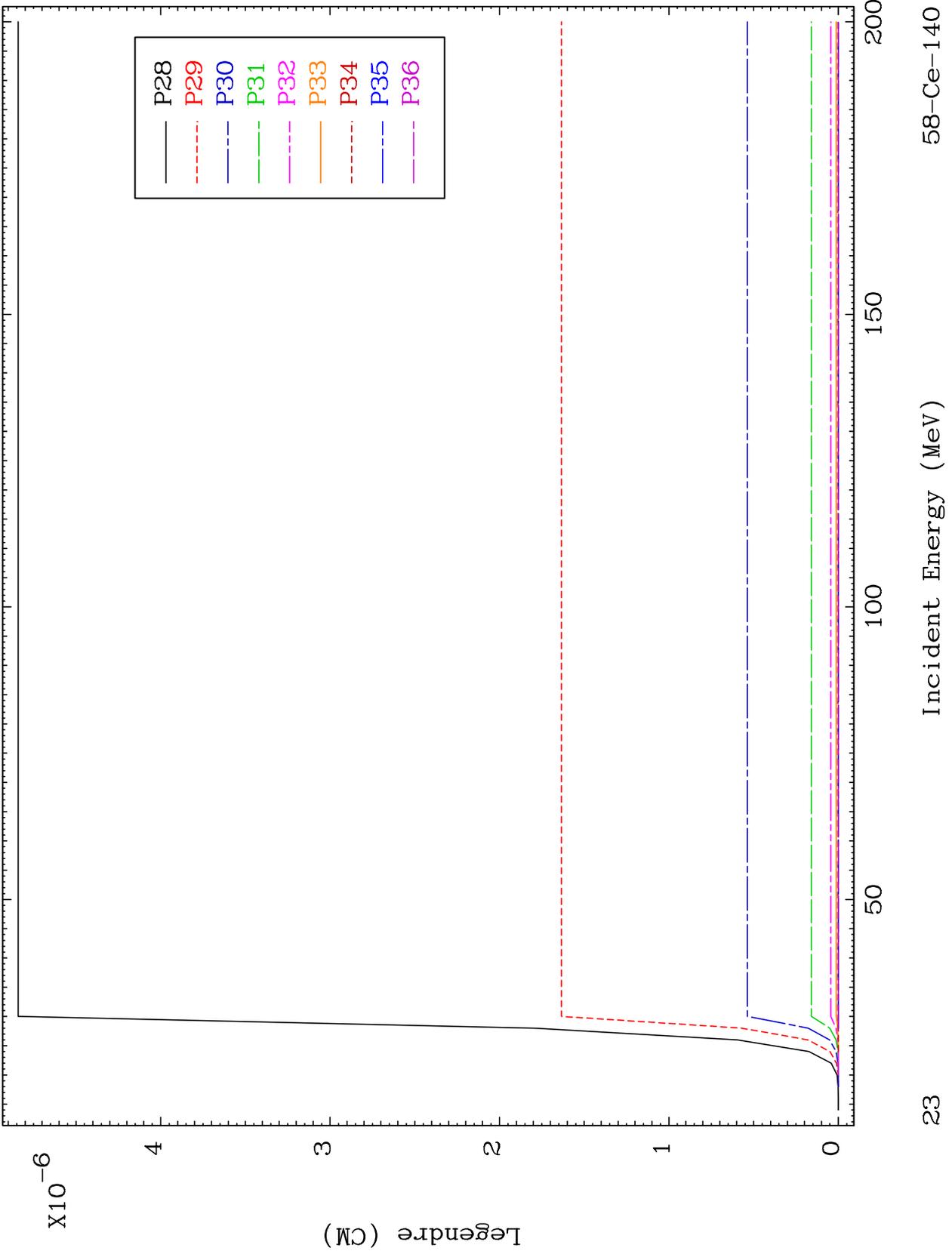
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MAT 5837

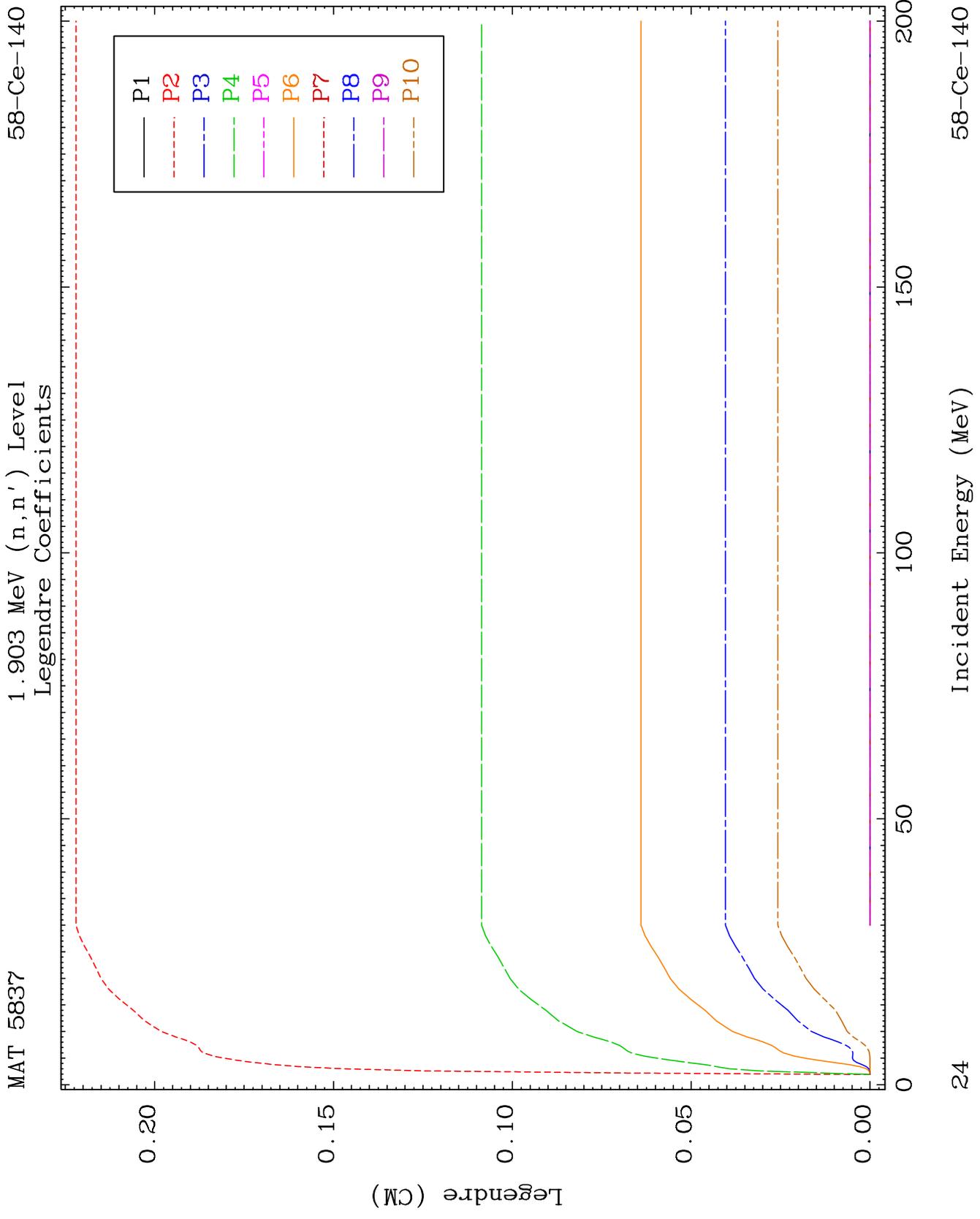
1.596 MeV (n,n') Level
Legendre Coefficients

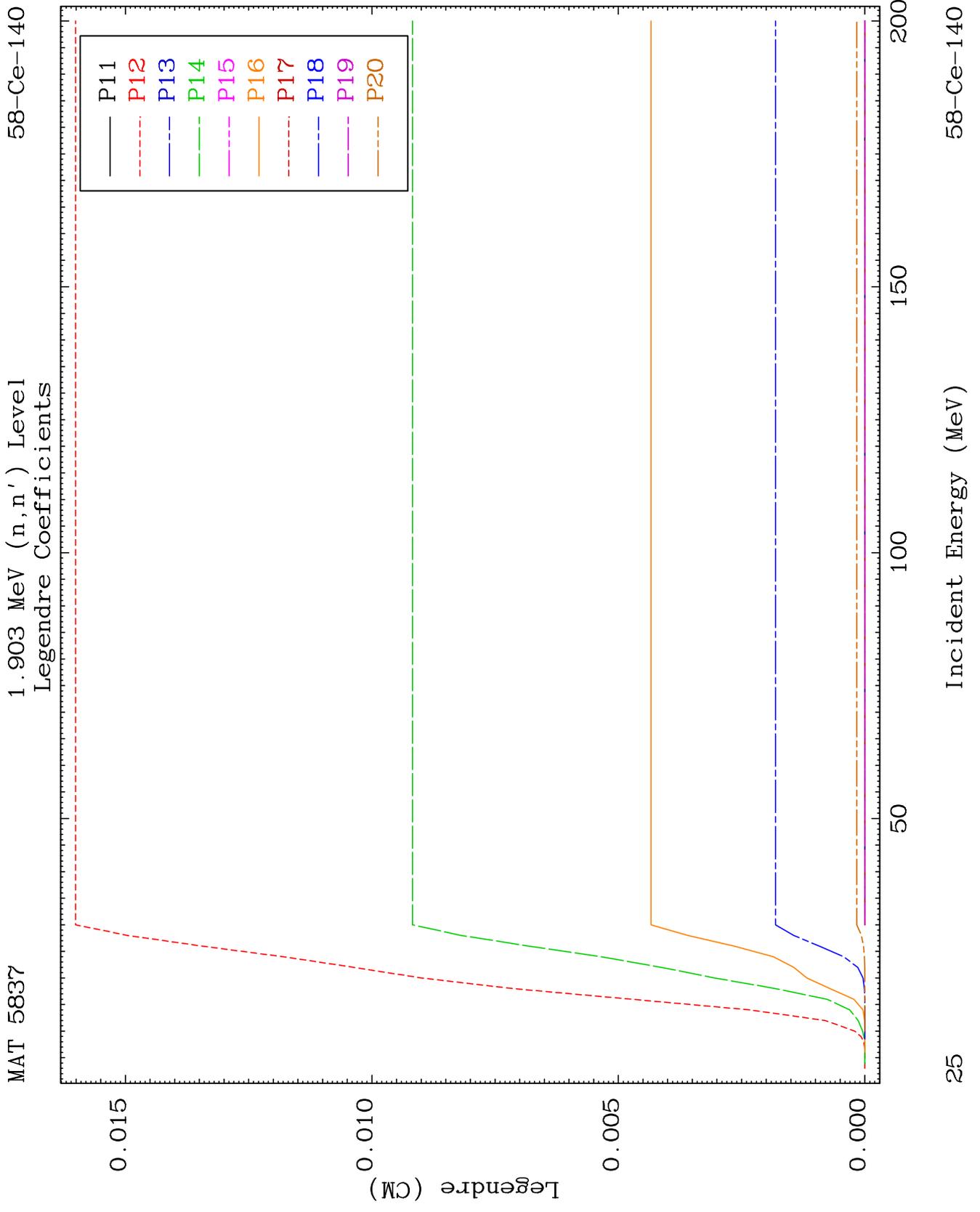
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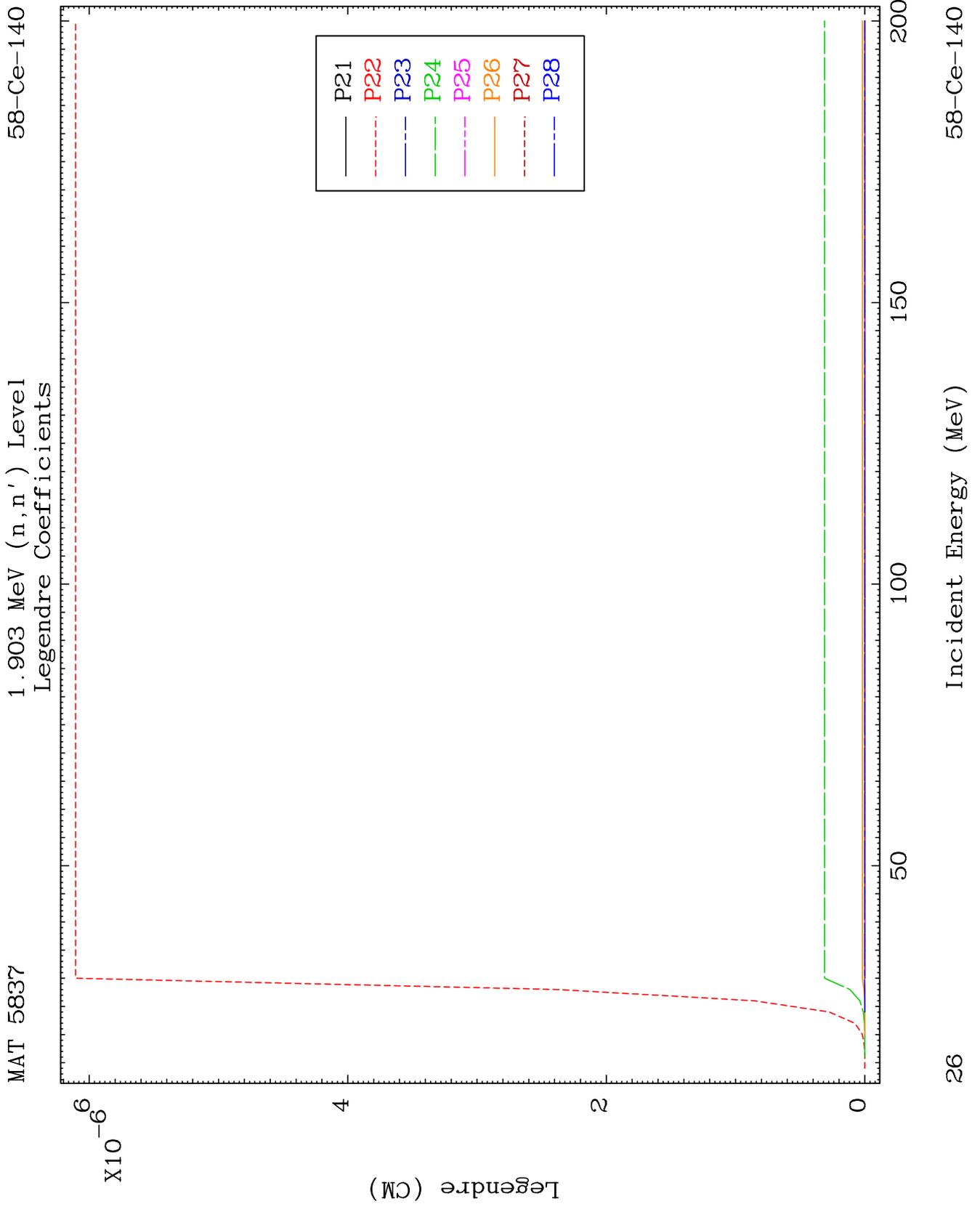


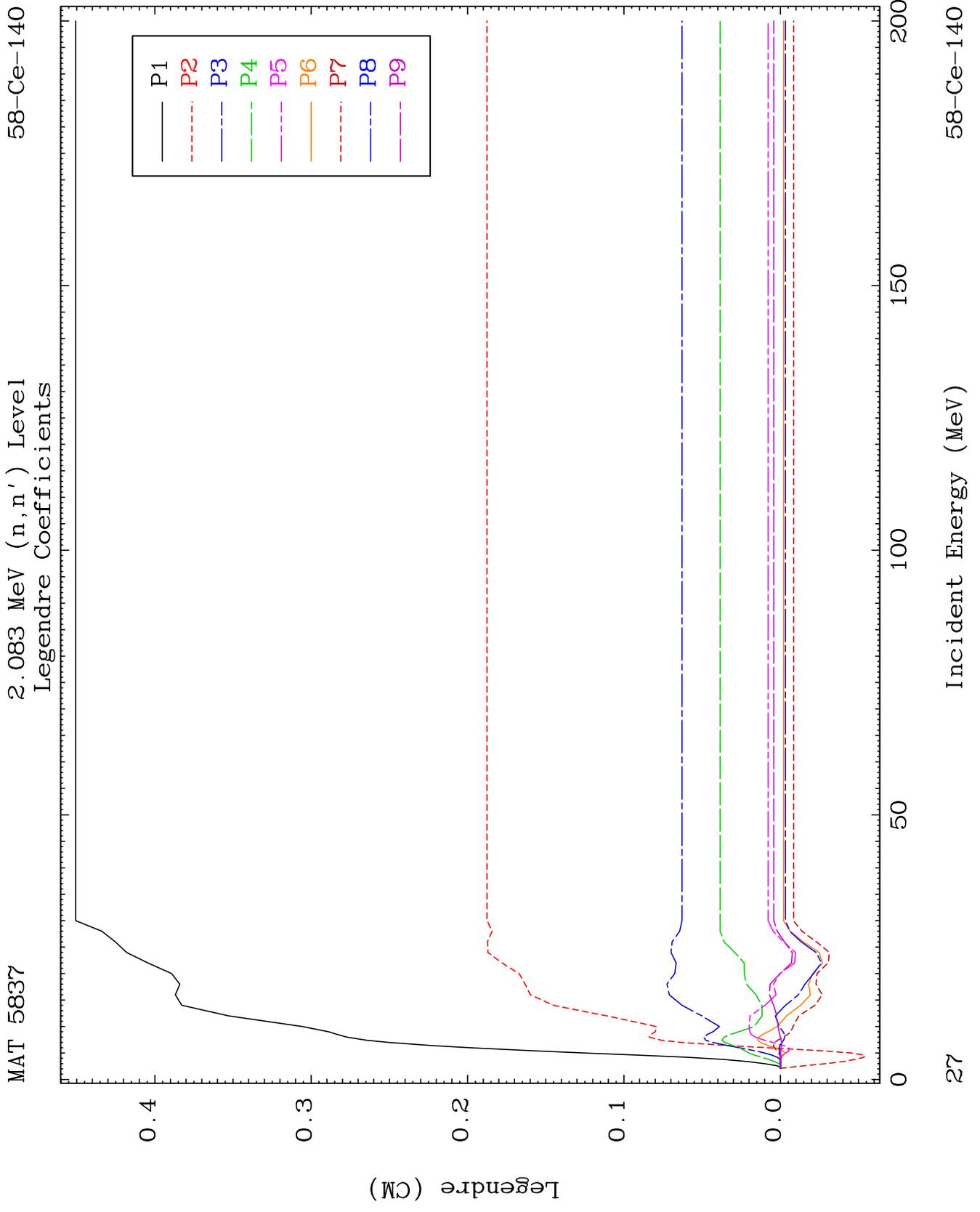
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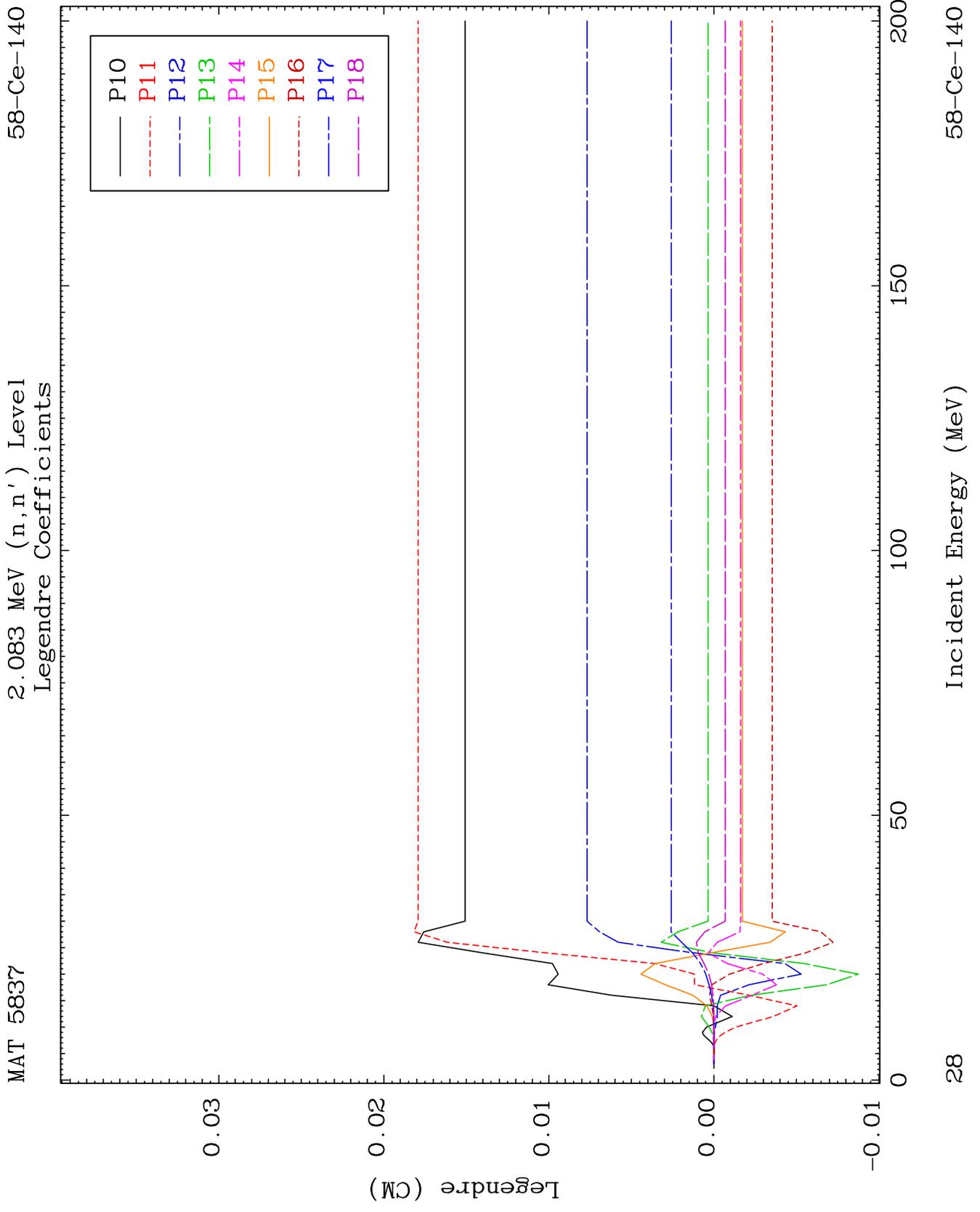
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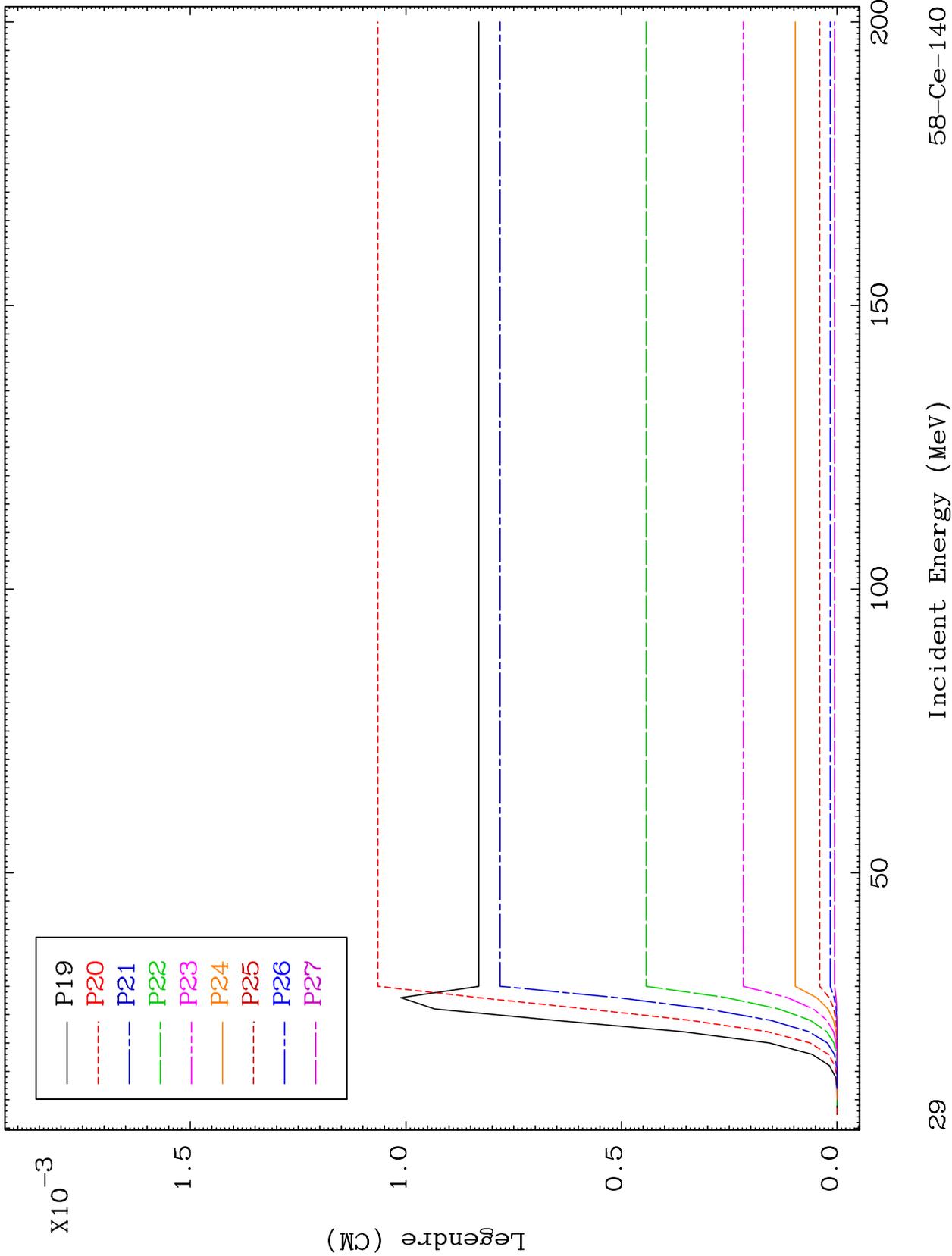




MAT 5837

2.083 MeV (n, n') Level
Legendre Coefficients

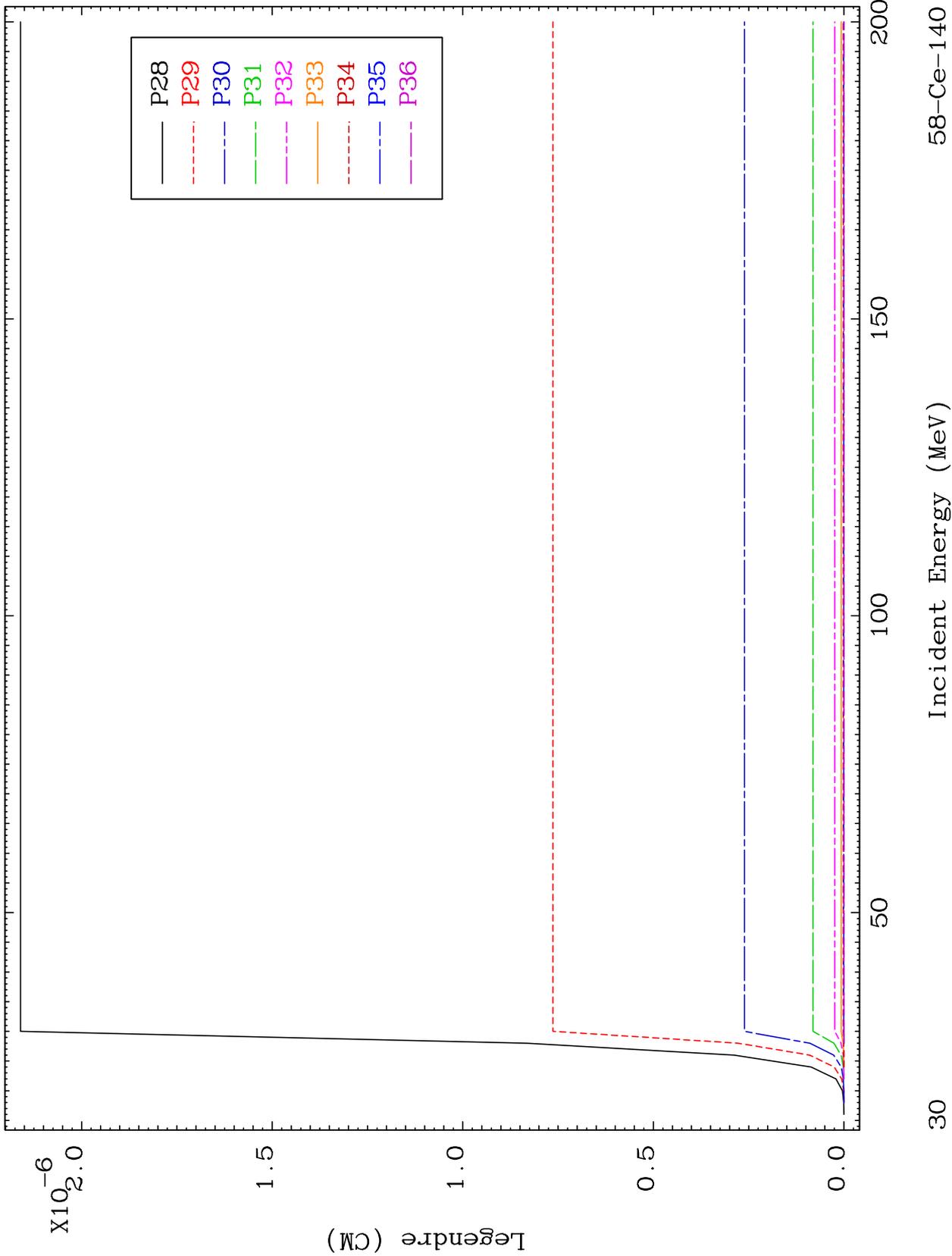
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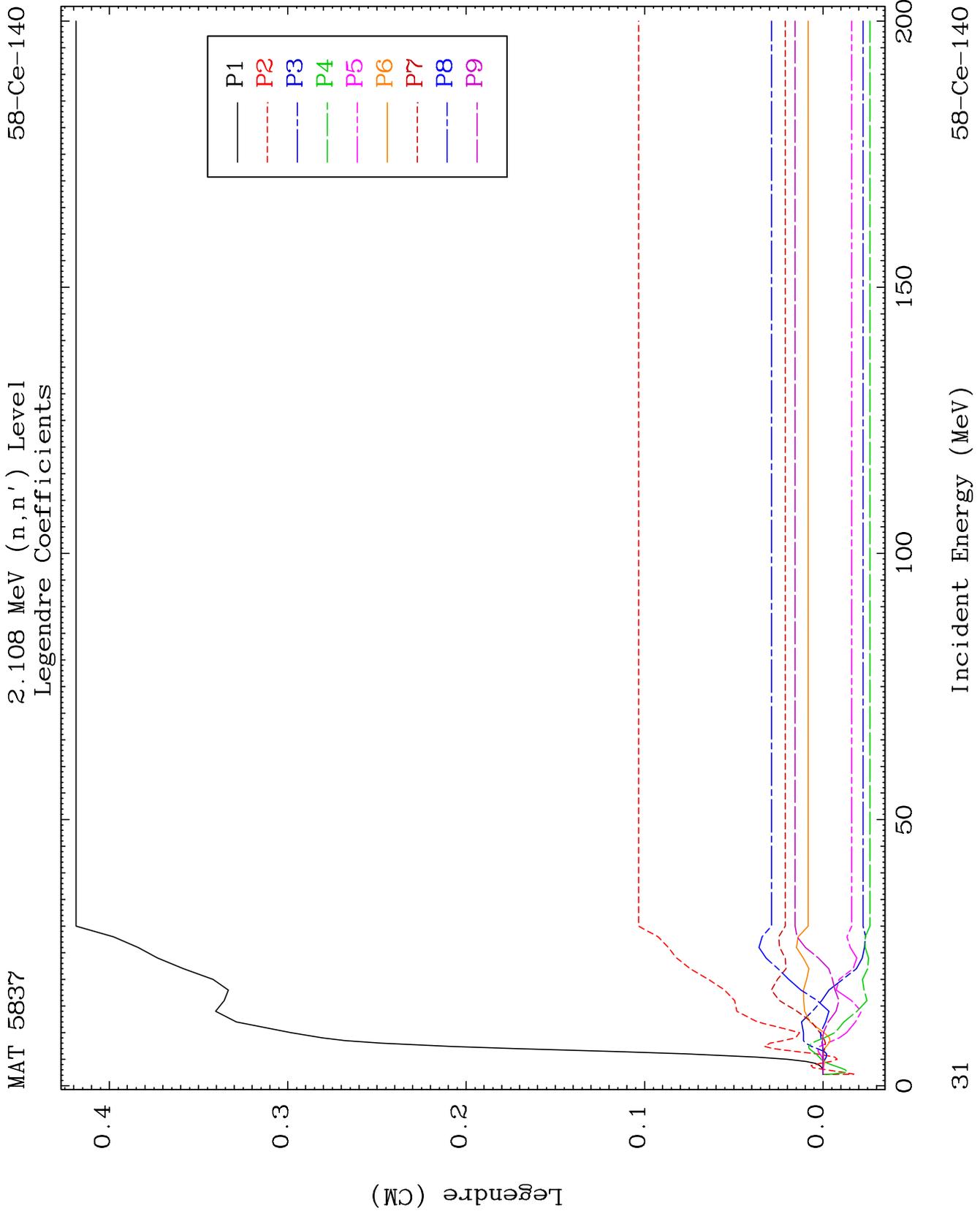


MAT 5837

2.083 MeV (n,n') Level
Legendre Coefficients

58-Ce-140

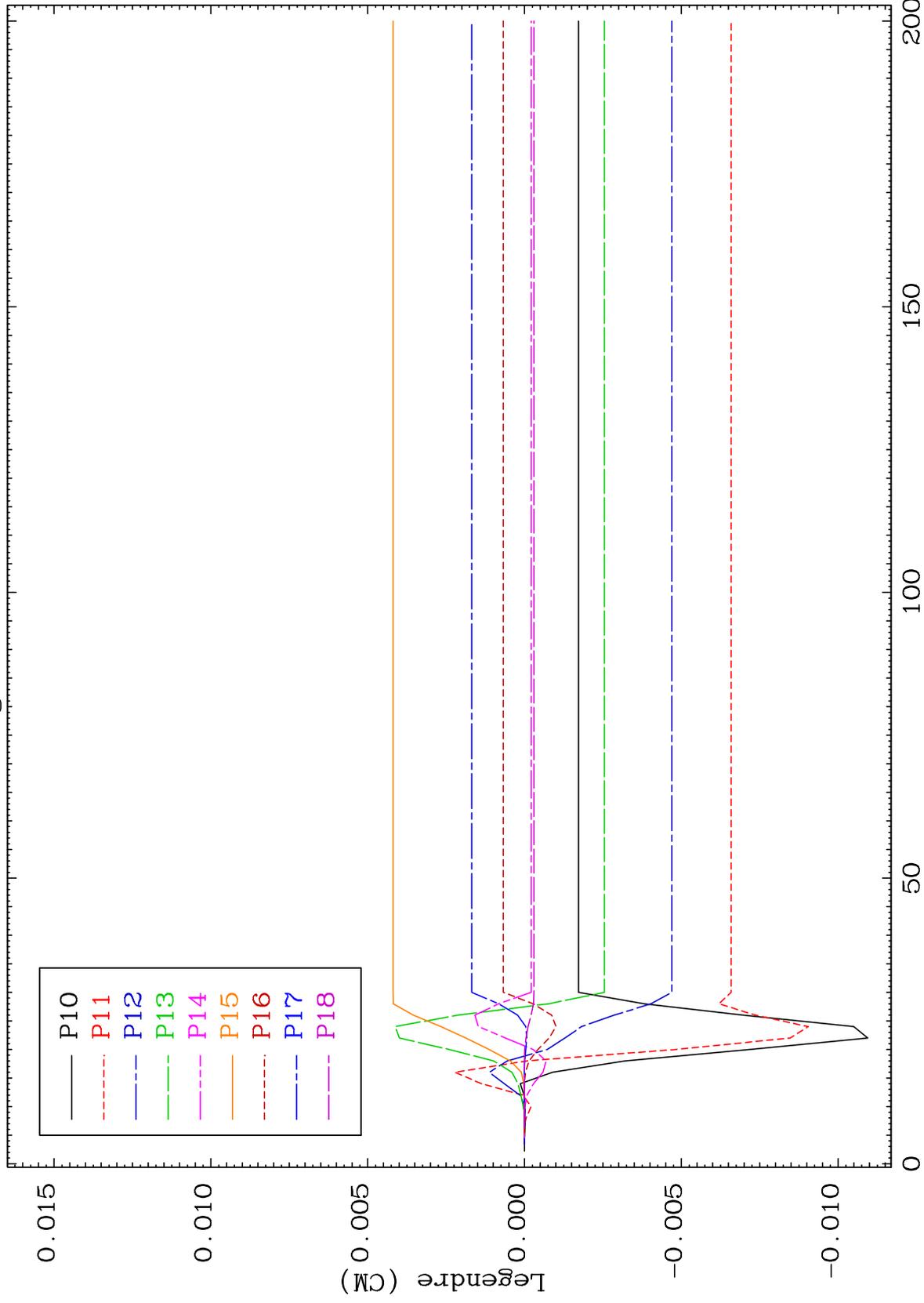




MAT 5837

2.108 MeV (n,n') Level
Legendre Coefficients

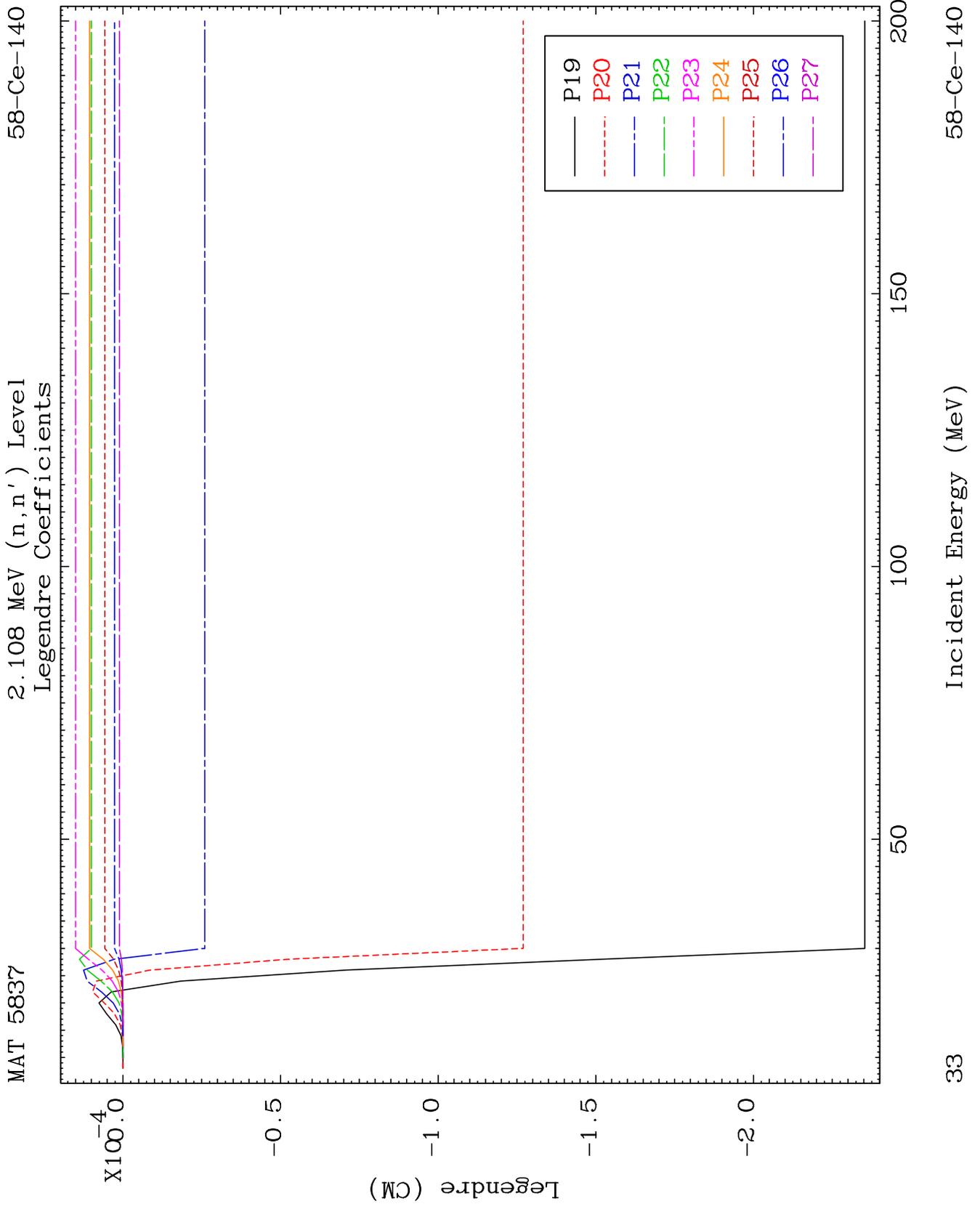
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32

Incident Energy (MeV)

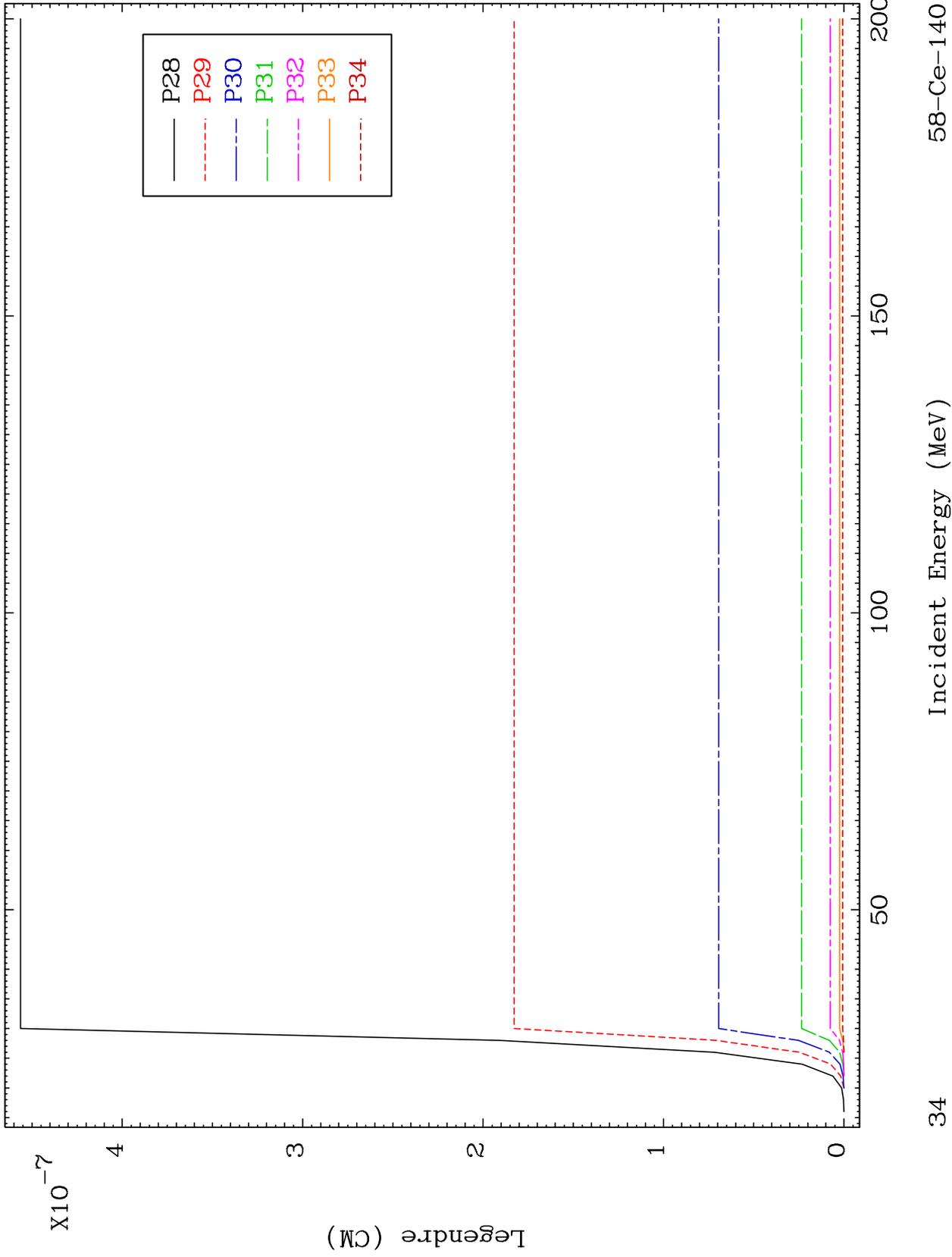
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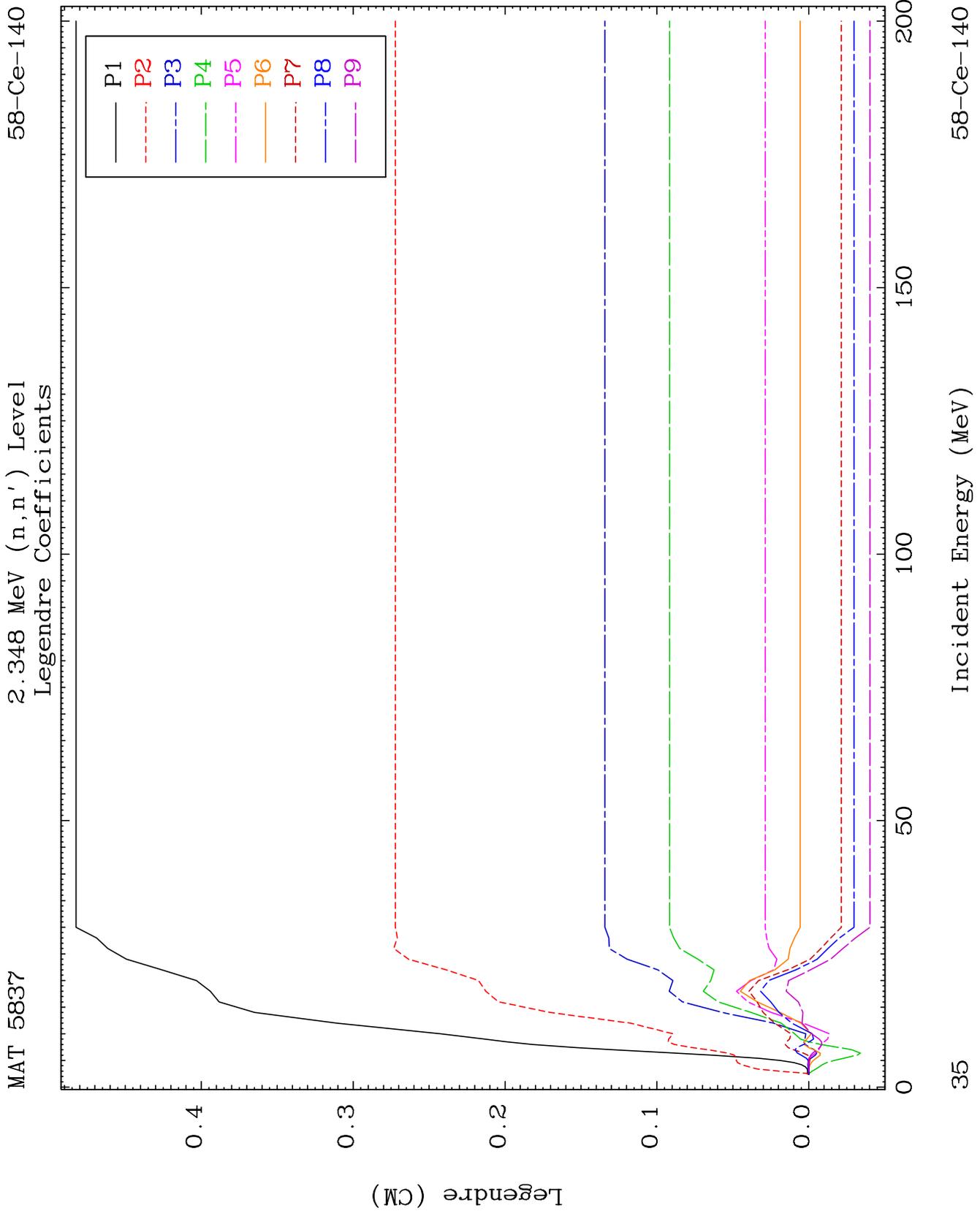


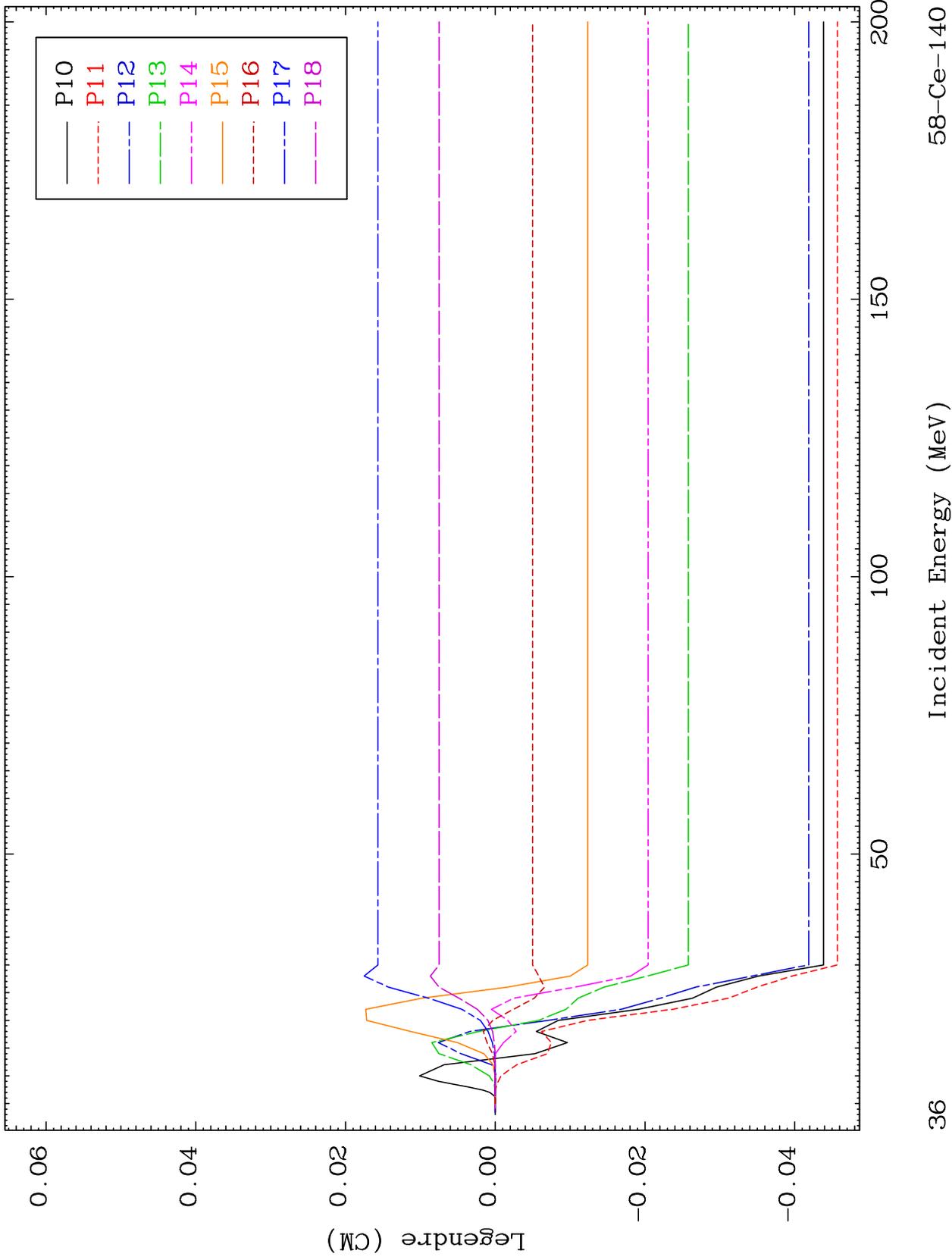
MAT 5837

2.108 MeV (n, n') Level
Legendre Coefficients

58-Ce-140



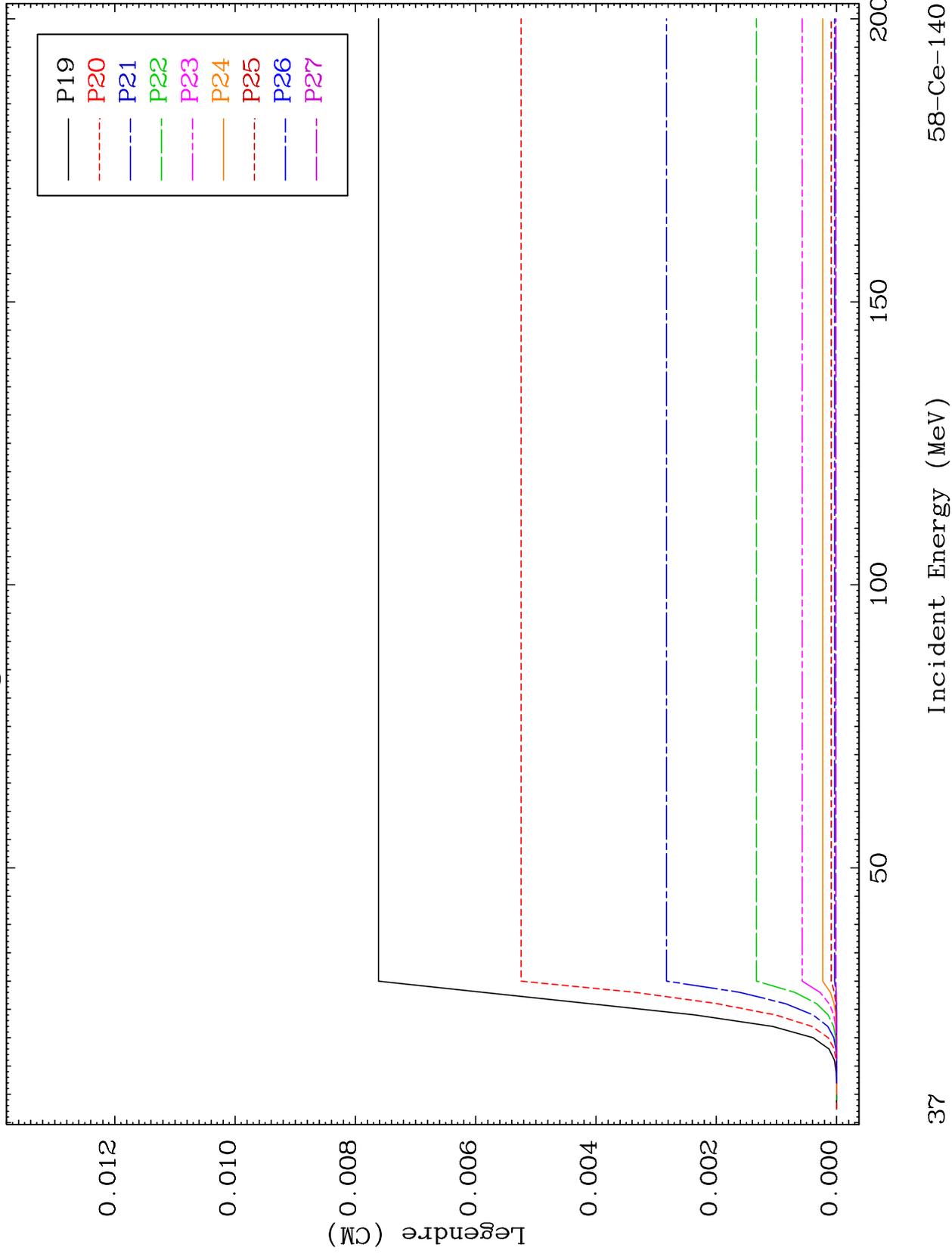




MAT 5837

2.348 MeV (n,n') Level
Legendre Coefficients

58-Ce-140



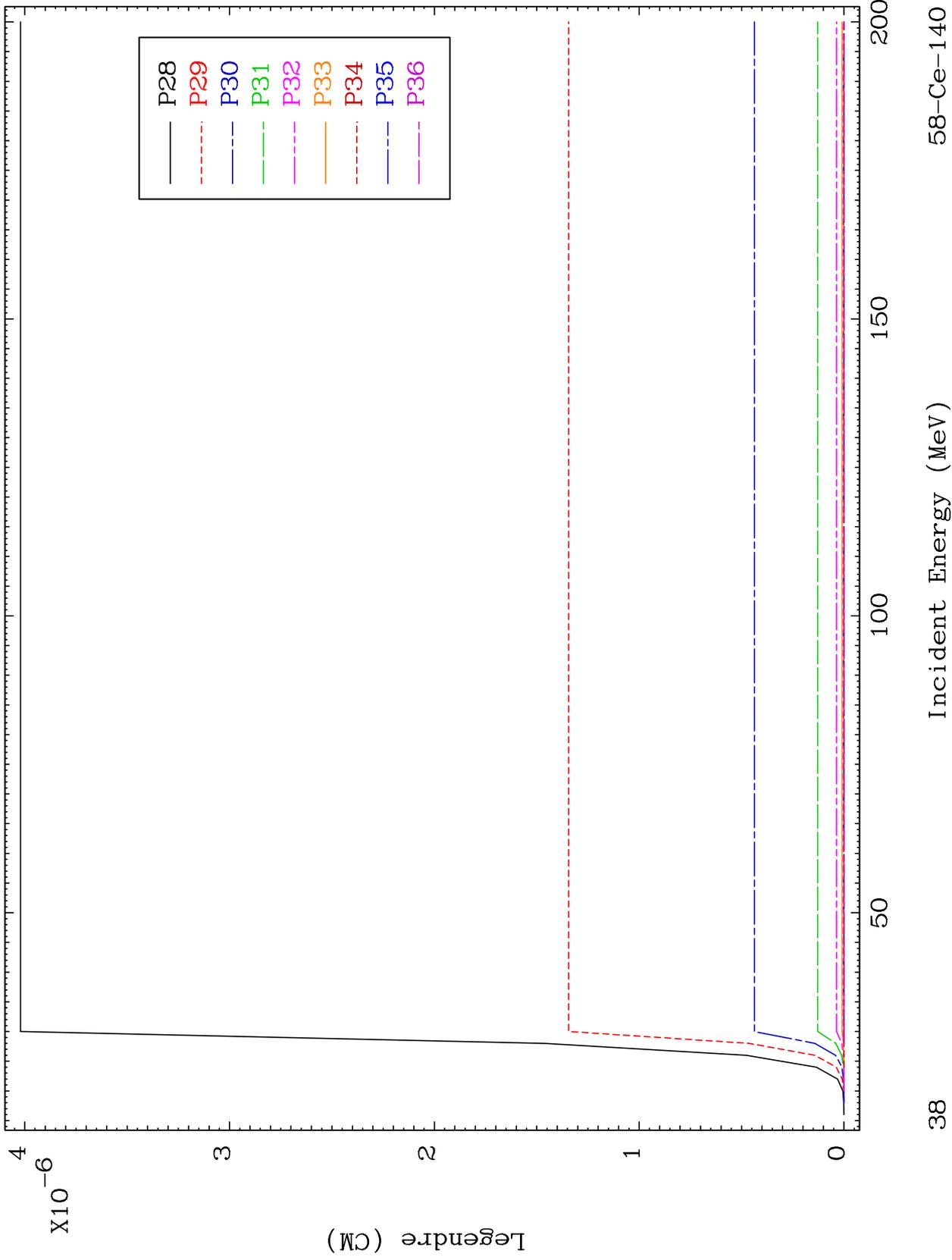
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58-Ce-140

MAT 5837

2.348 MeV (n,n') Level
Legendre Coefficients

58-Ce-140



38

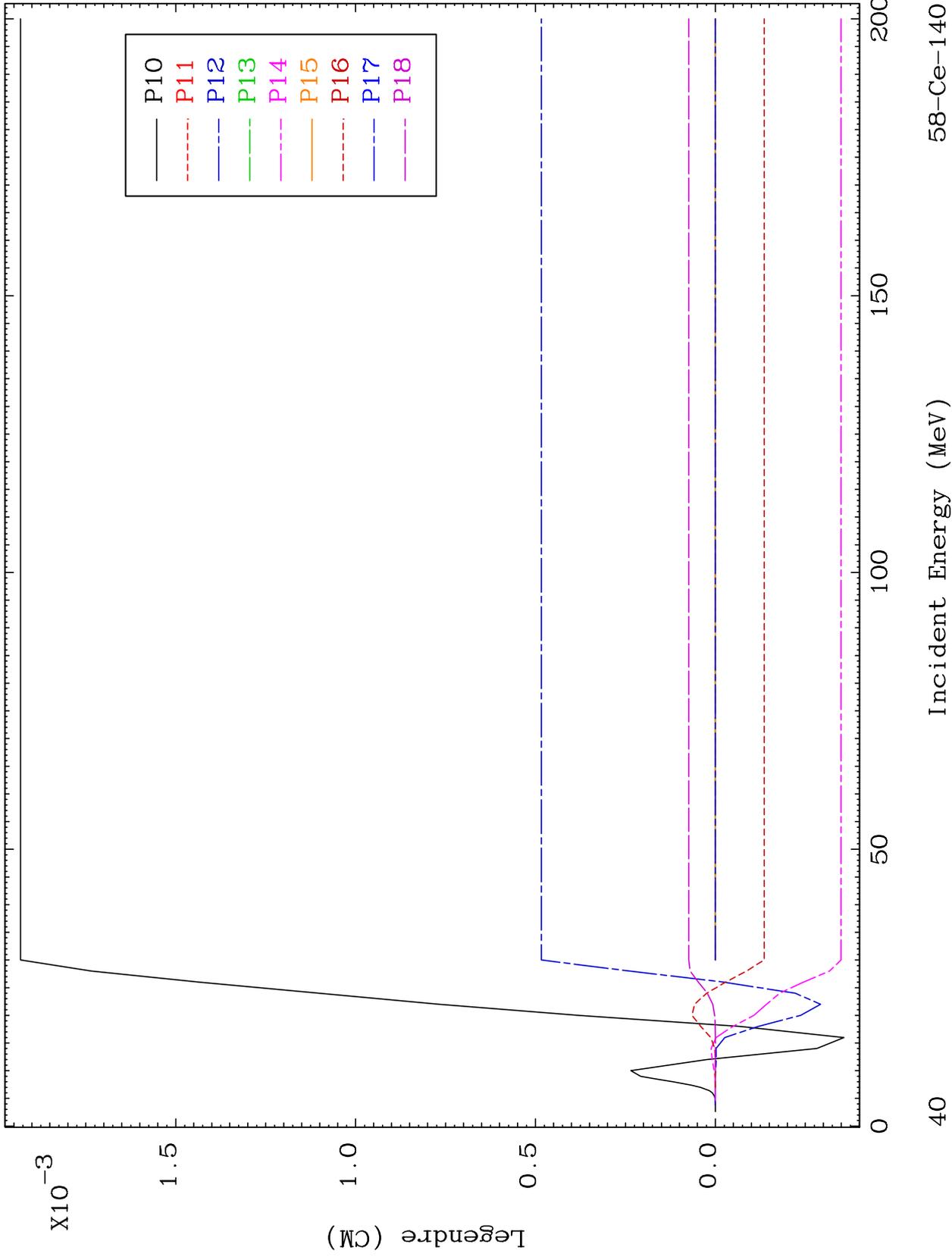
Incident Energy (MeV)

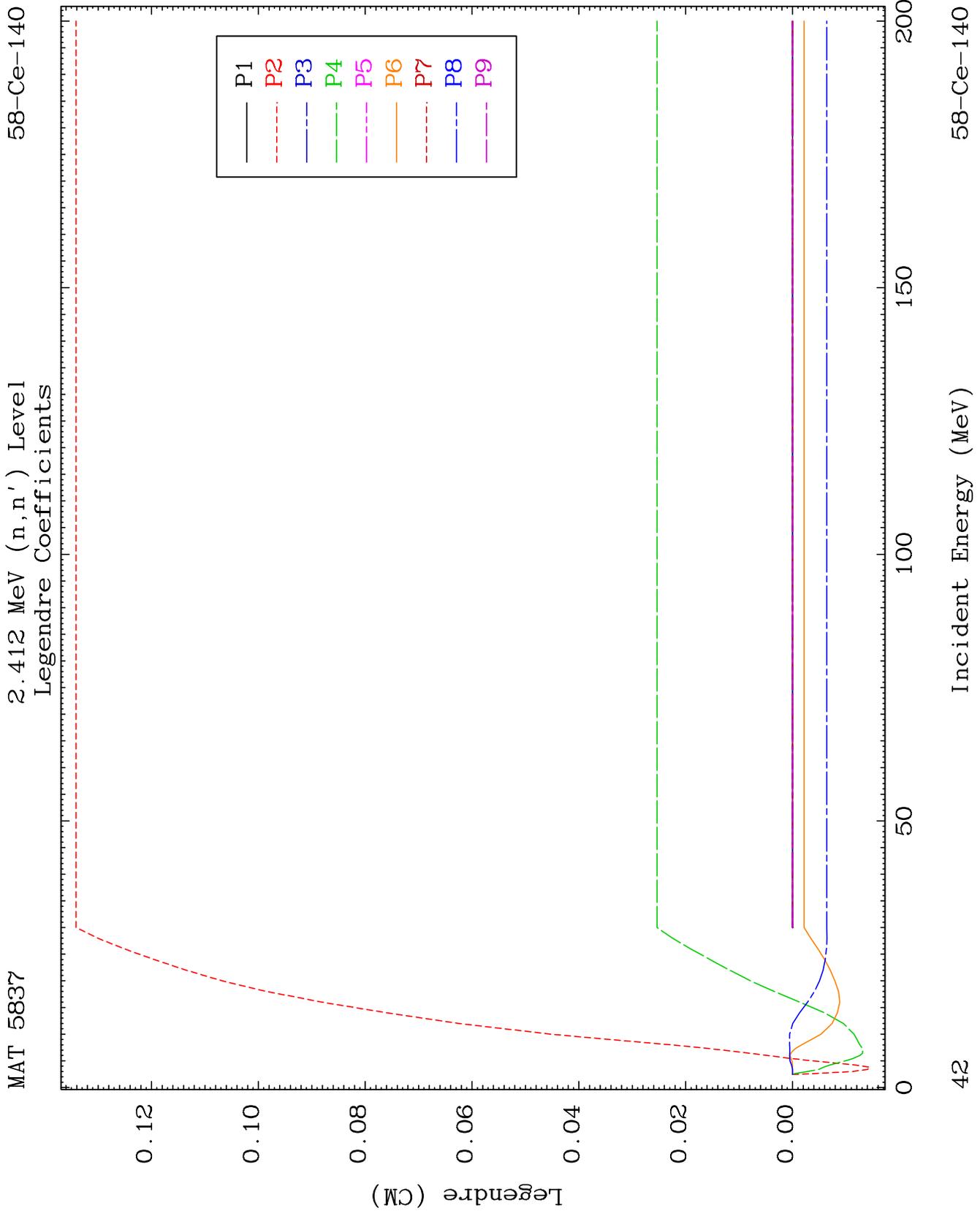
58-Ce-140

MAT 5837

2.350 MeV (n,n') Level
Legendre Coefficients

58-Ce-140

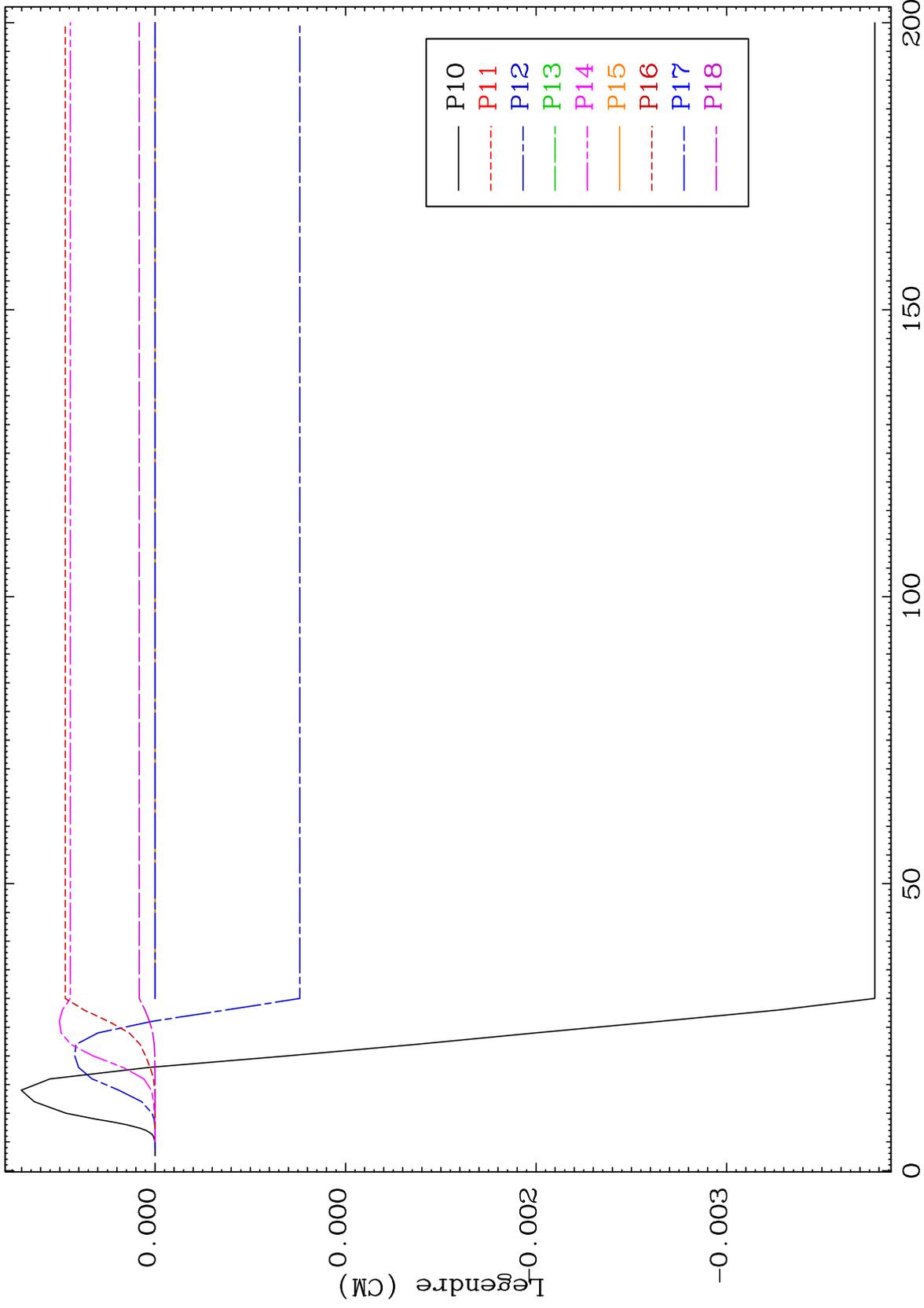




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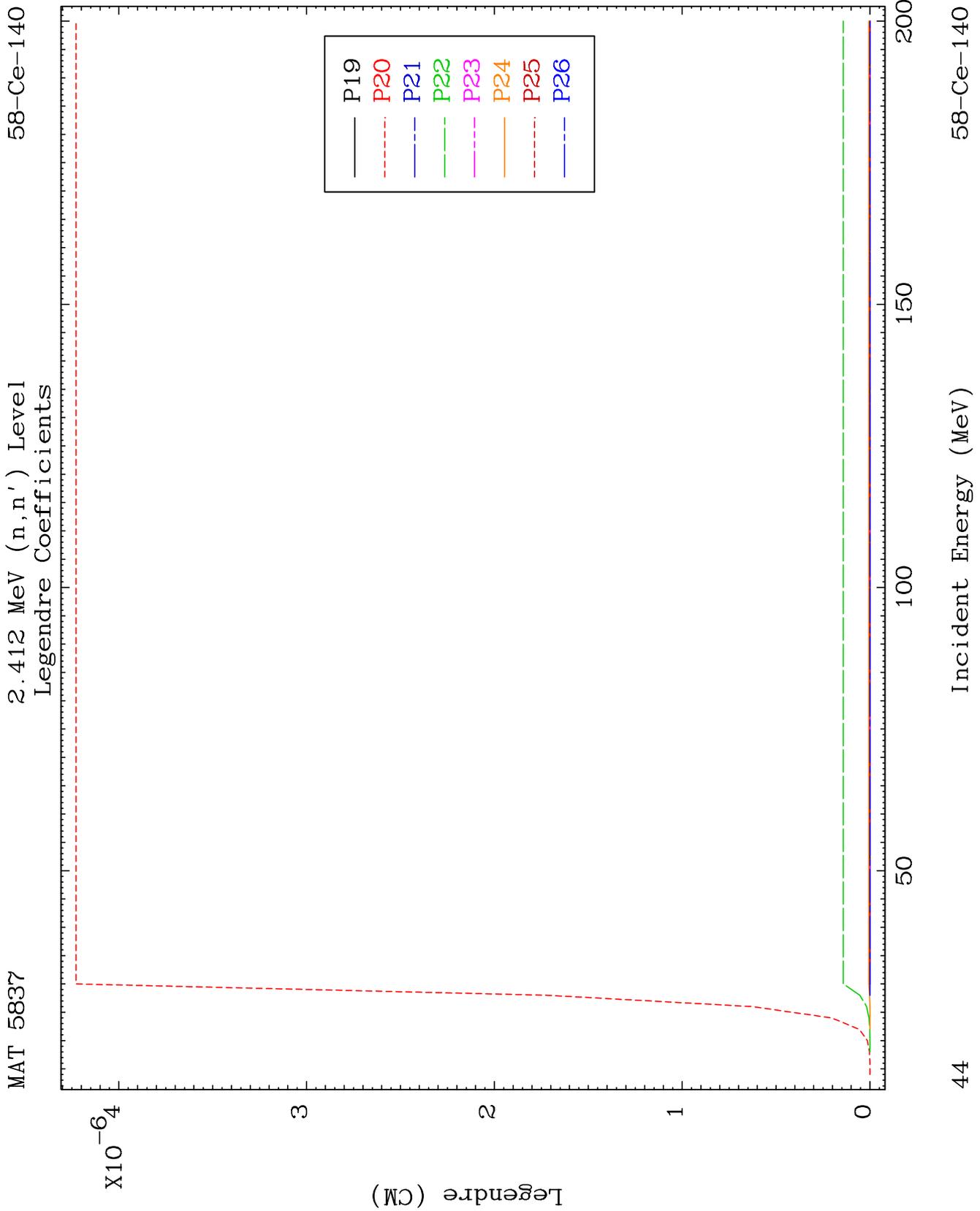
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Legendre Coefficients

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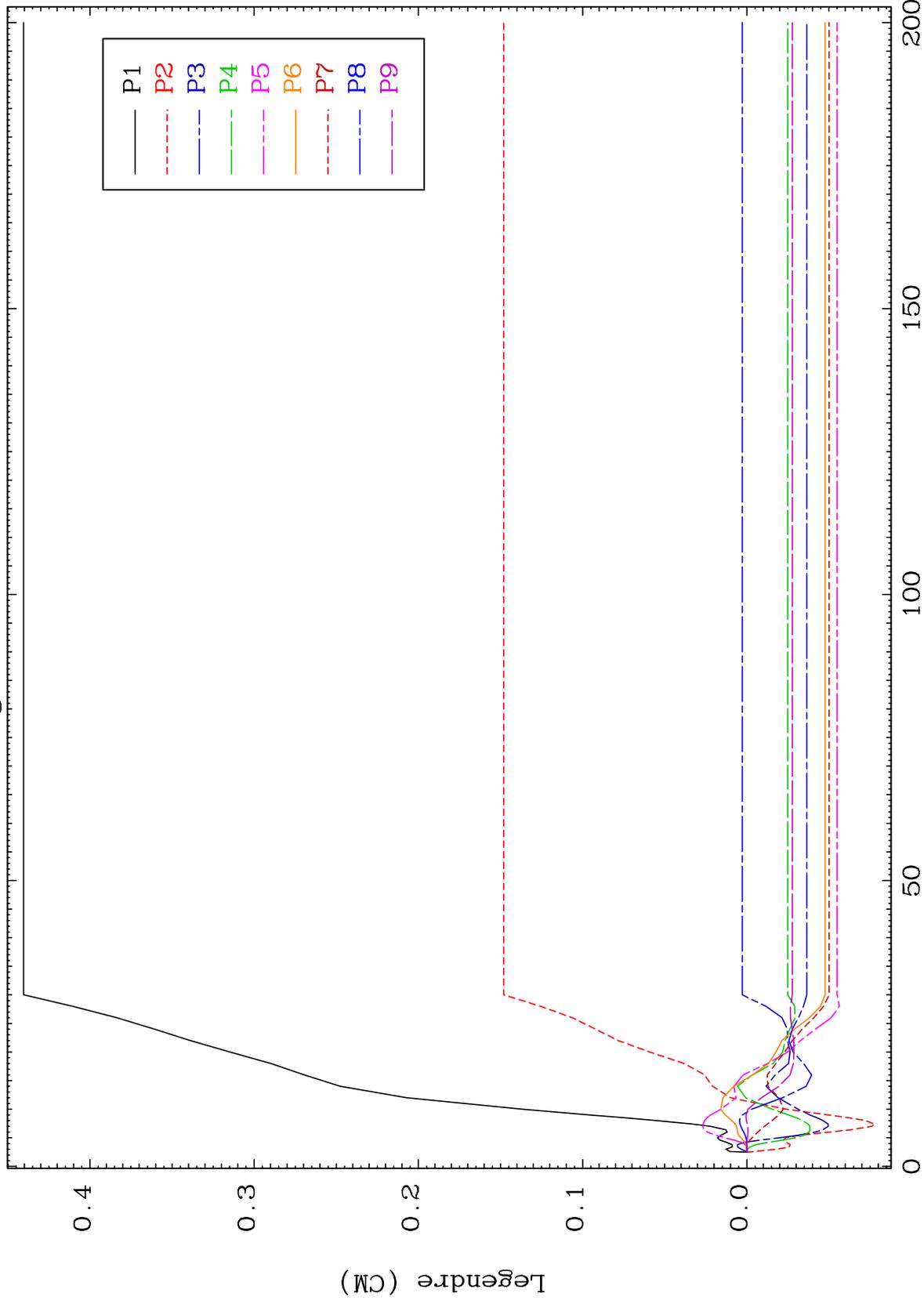
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MAT 5837

2.464 MeV (n,n') Level
Legendre Coefficients

58-Ce-140



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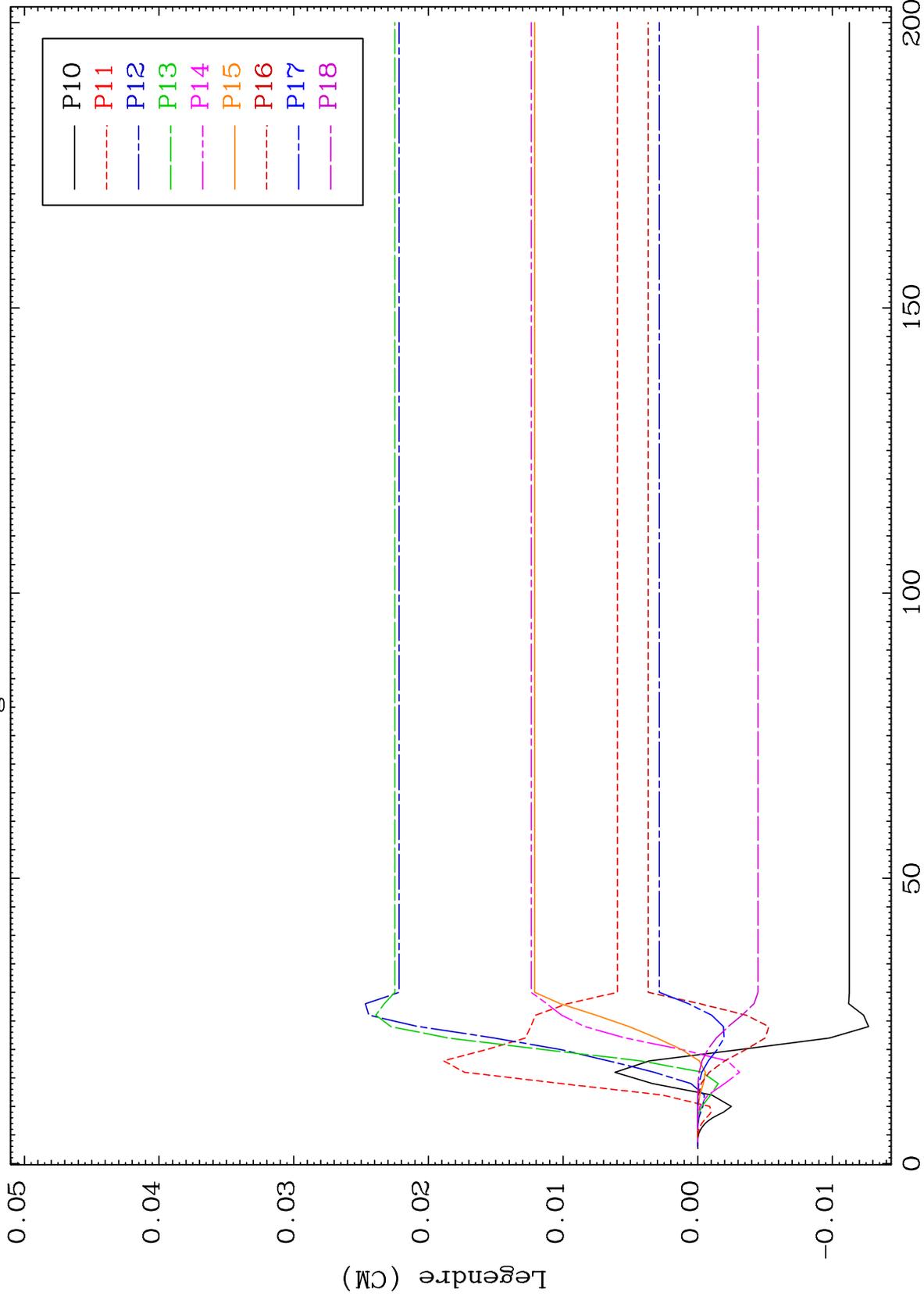
Incident Energy (MeV)

58-Ce-140

MAT 5837

2.464 MeV (n,n') Level
Legendre Coefficients

58-Ce-140



46

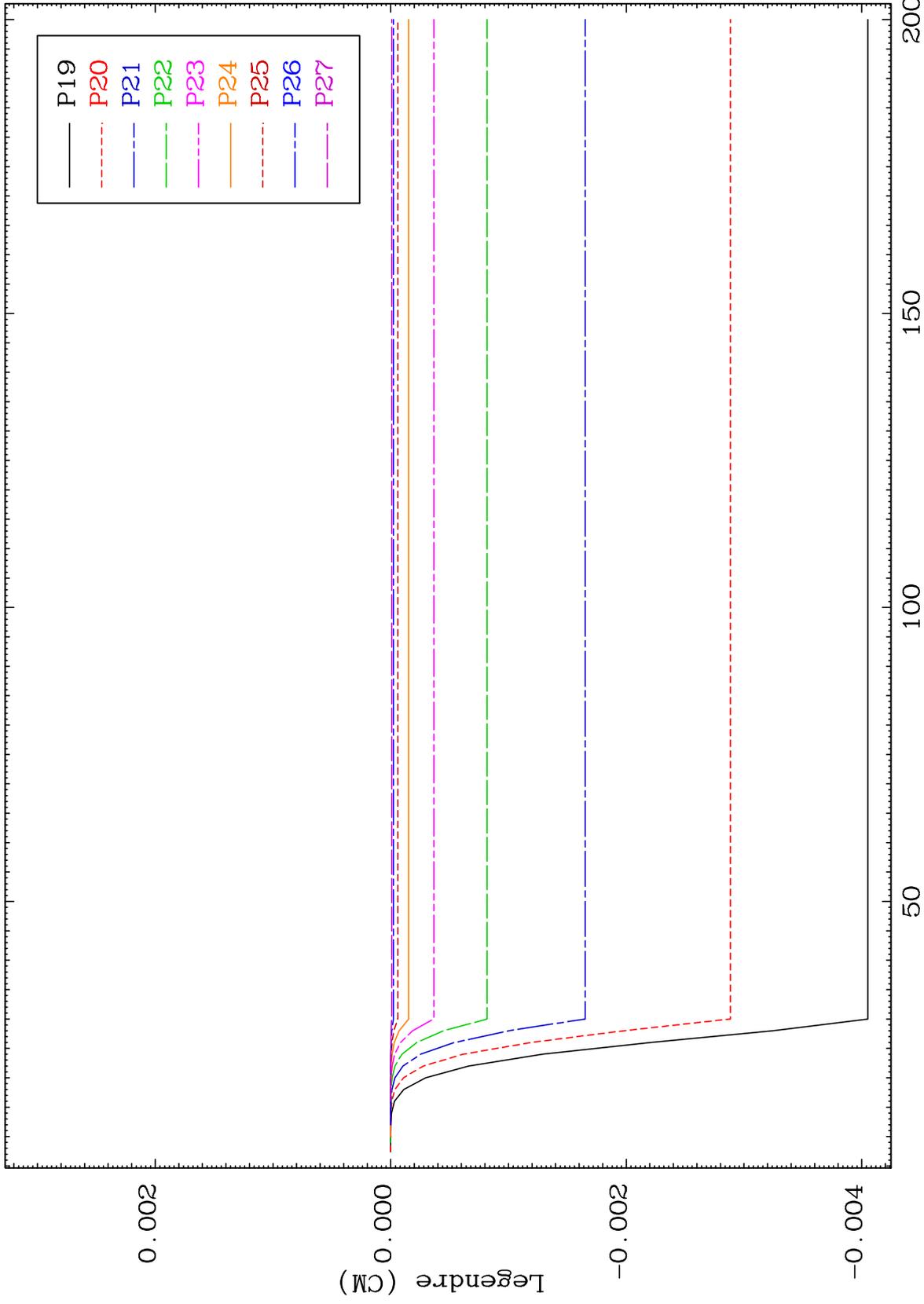
Incident Energy (MeV)

58-Ce-140

MAT 5837

2.464 MeV (n,n') Level
Legendre Coefficients

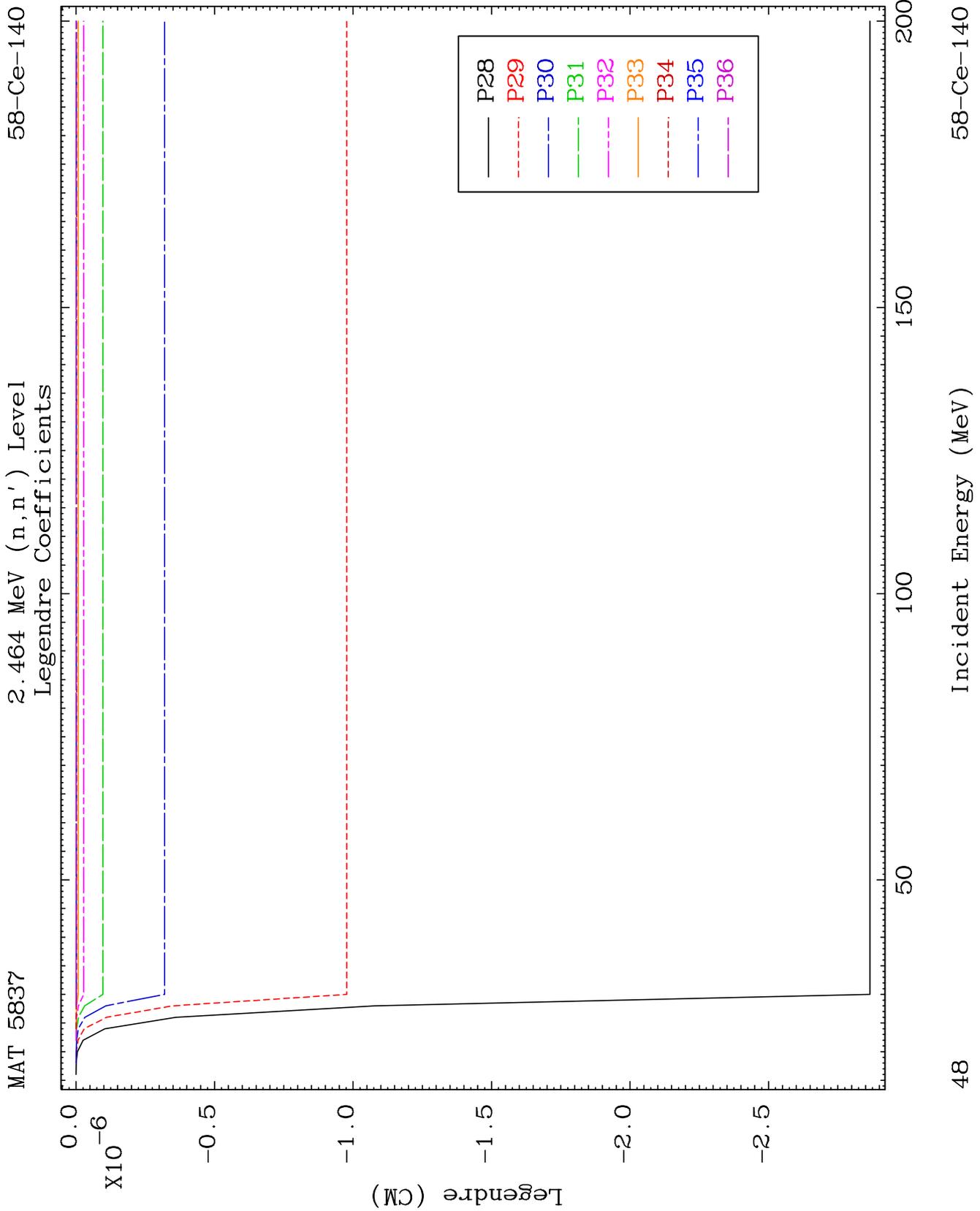
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47

Incident Energy (MeV)

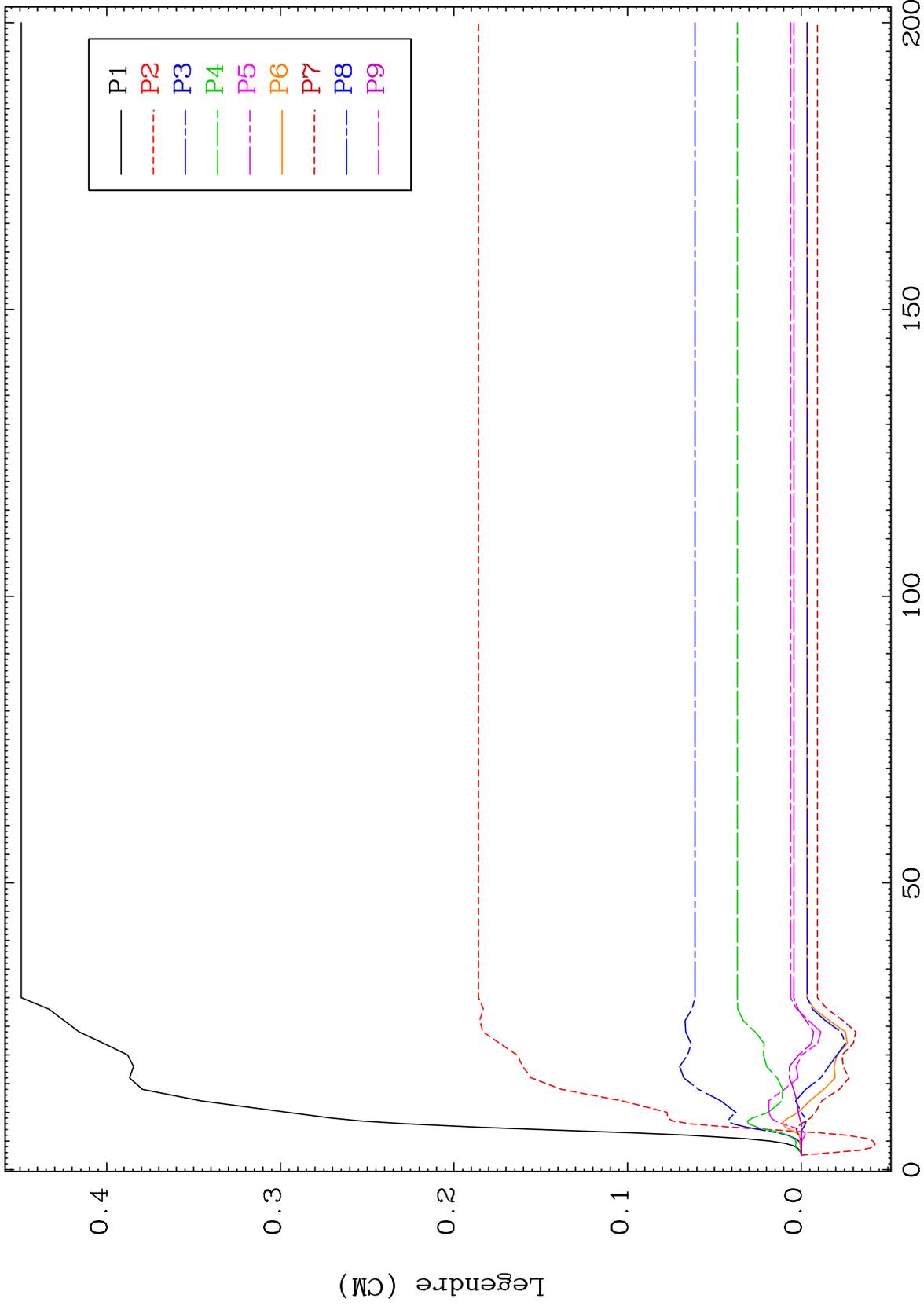
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MAT 5837

2.481 MeV (n,n') Level
Legendre Coefficients

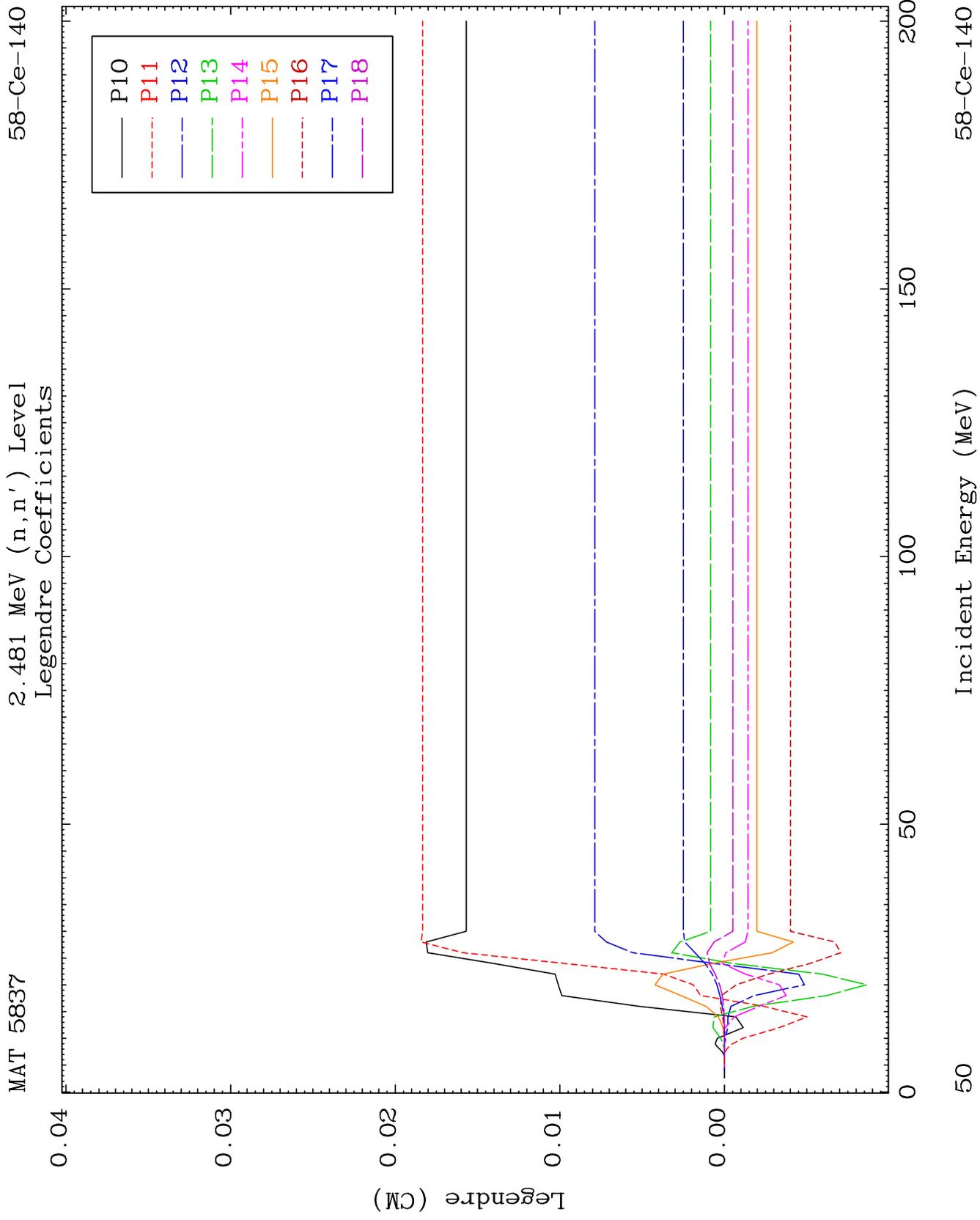
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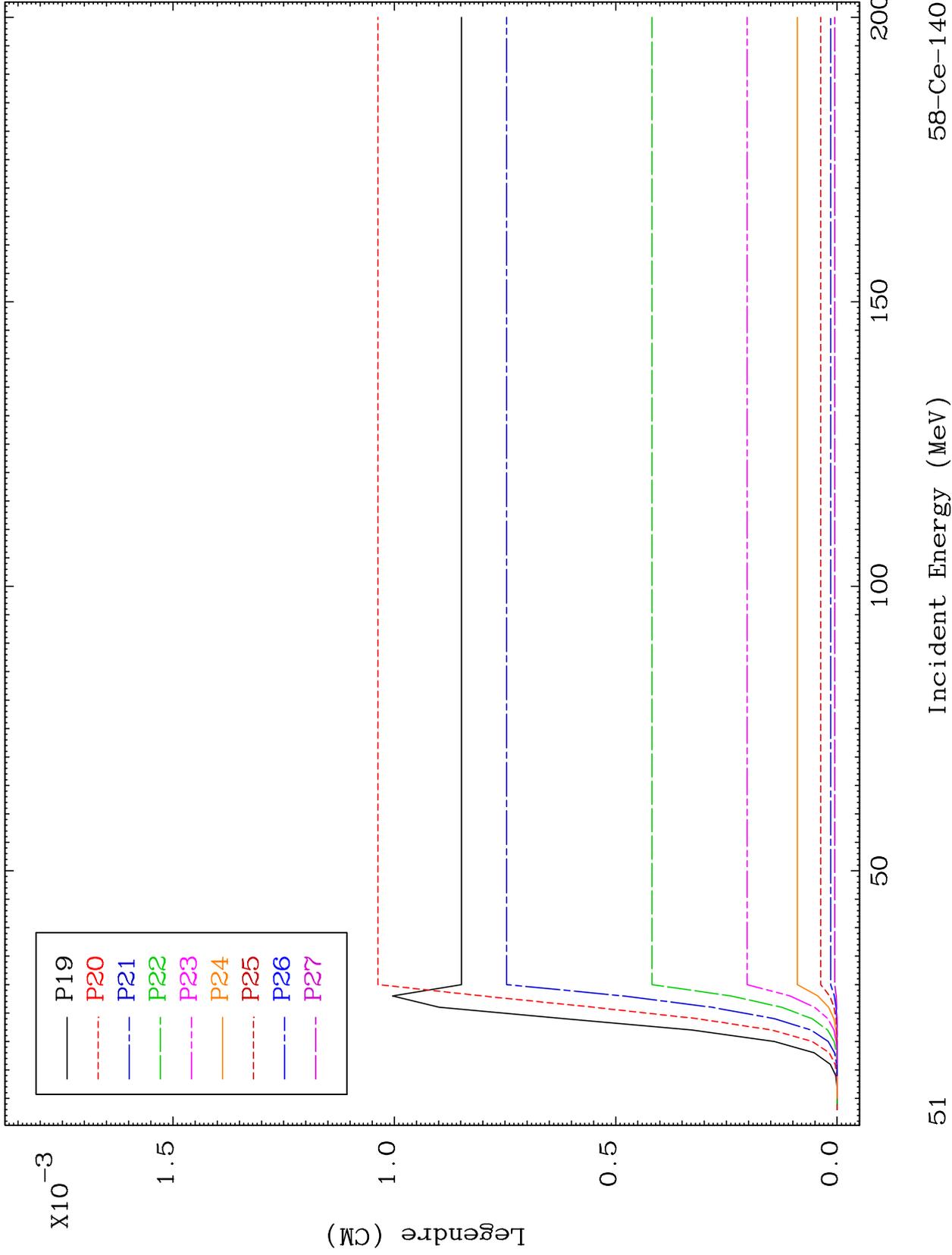


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Incident Energy (MeV)

58-Ce-140

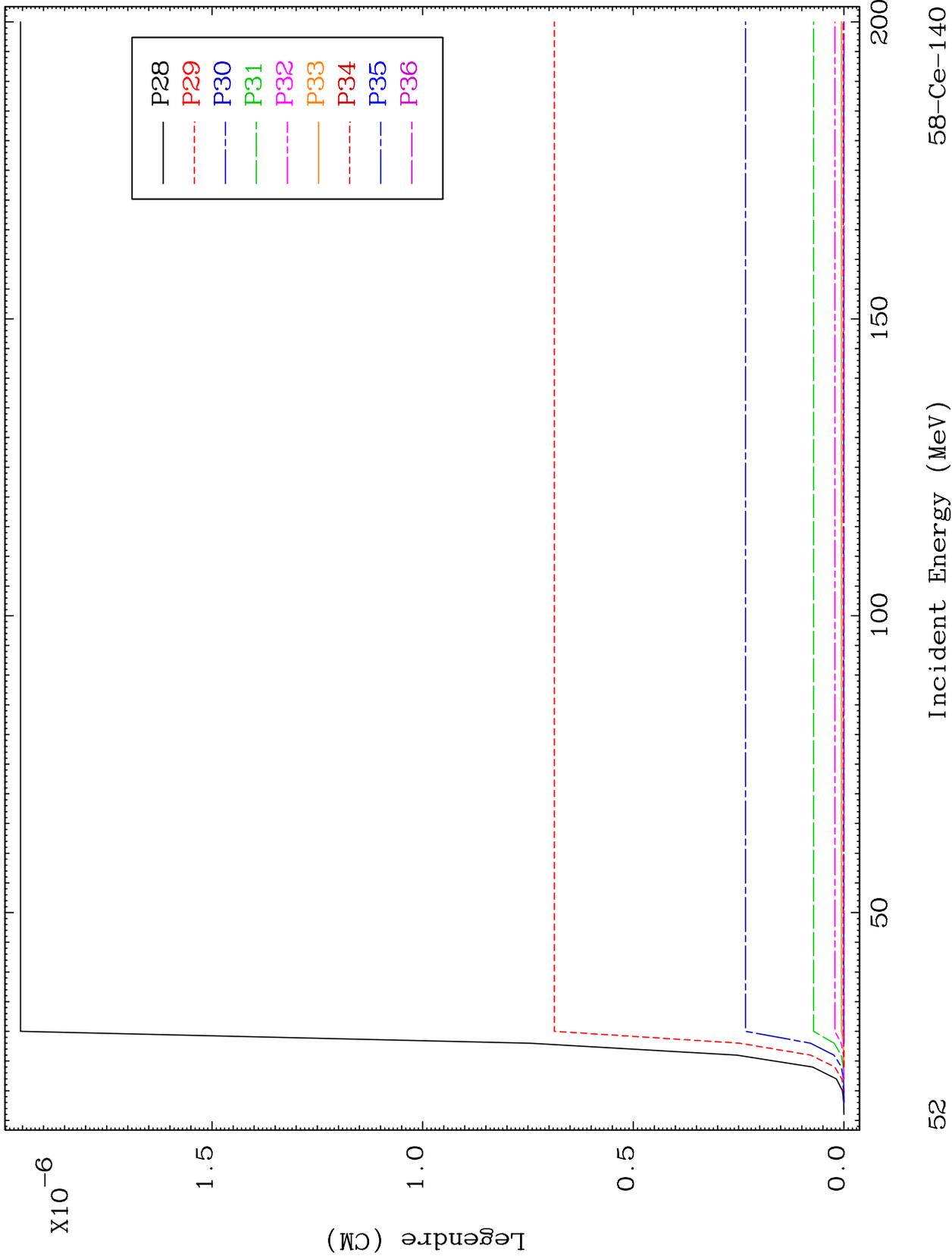


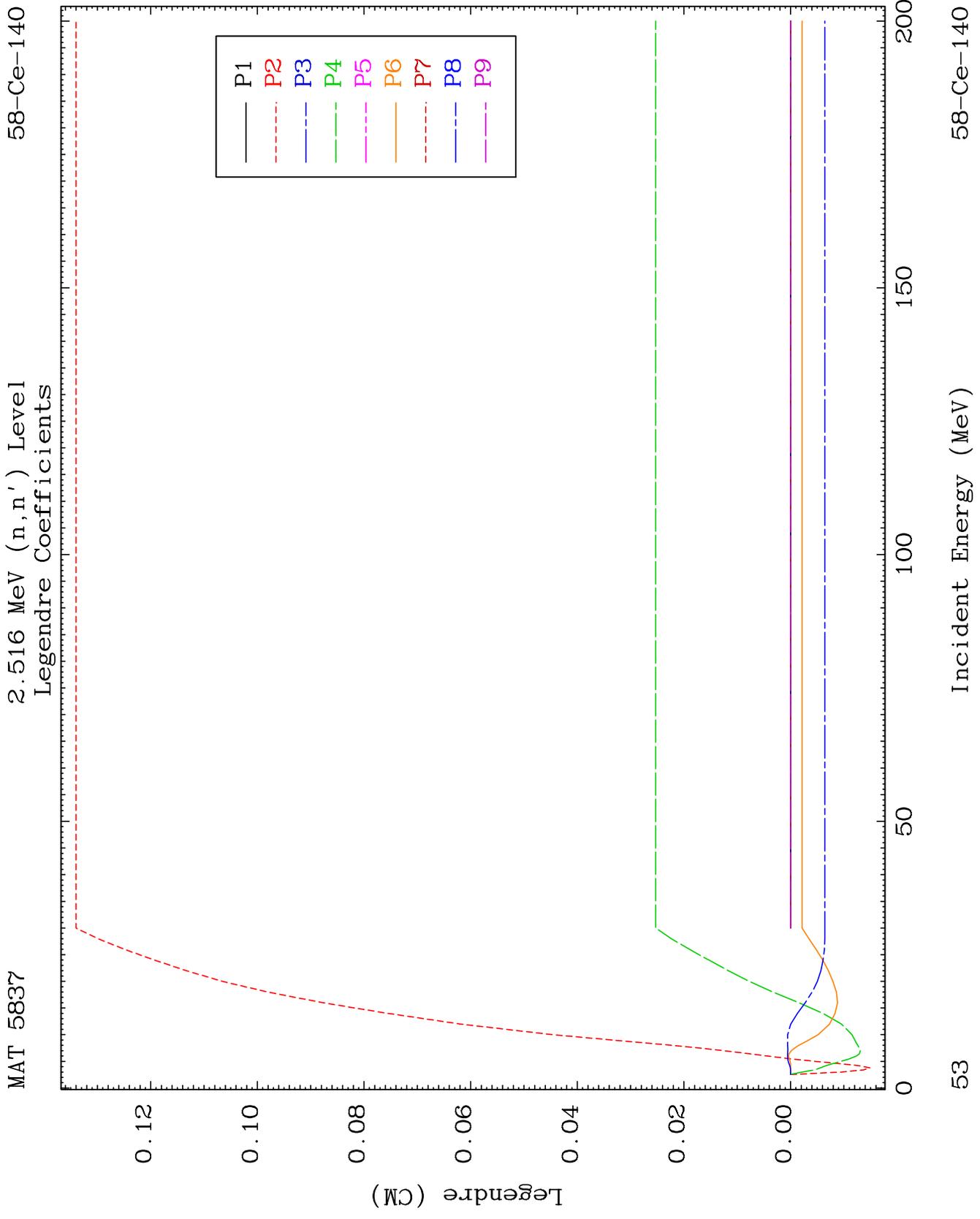


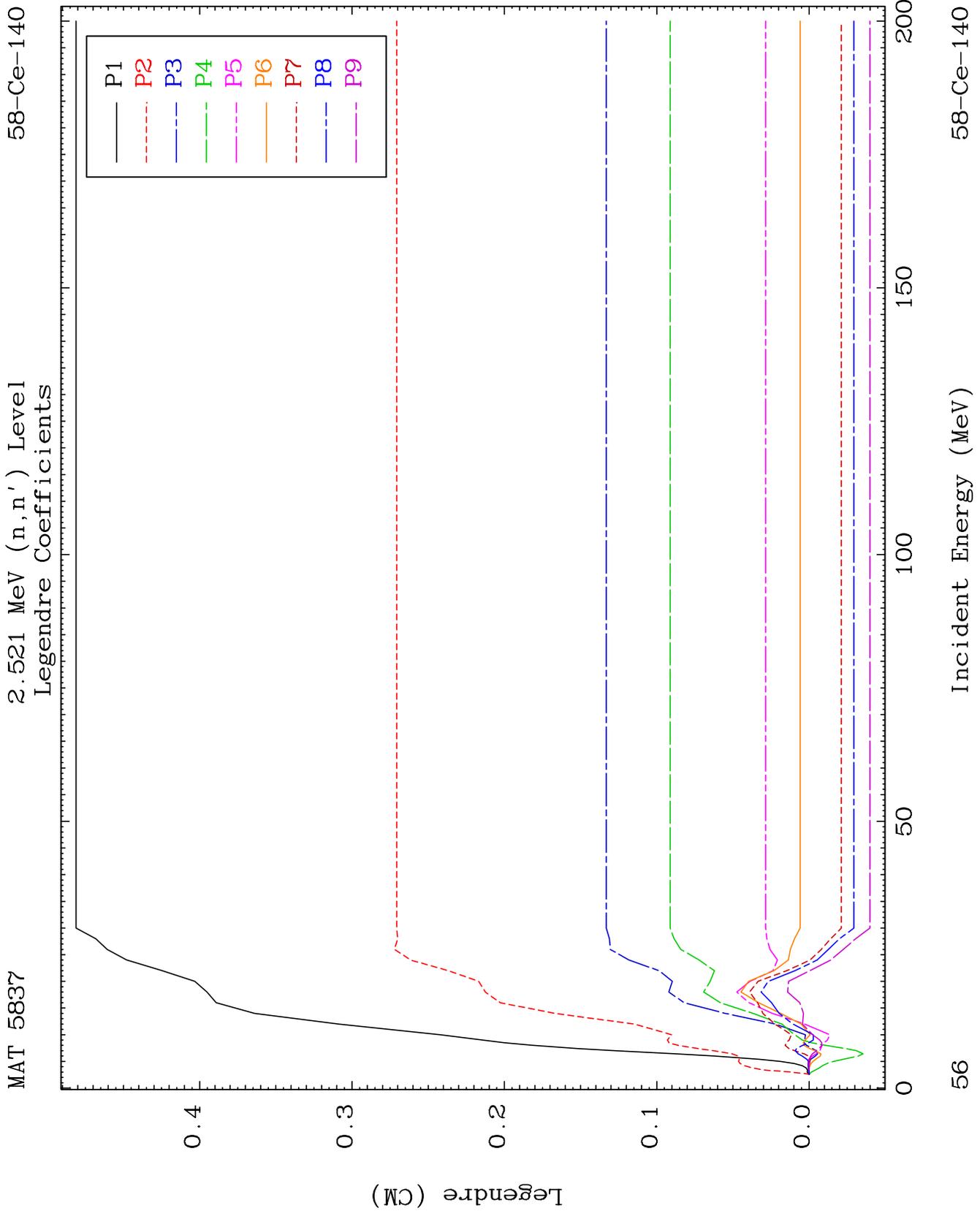
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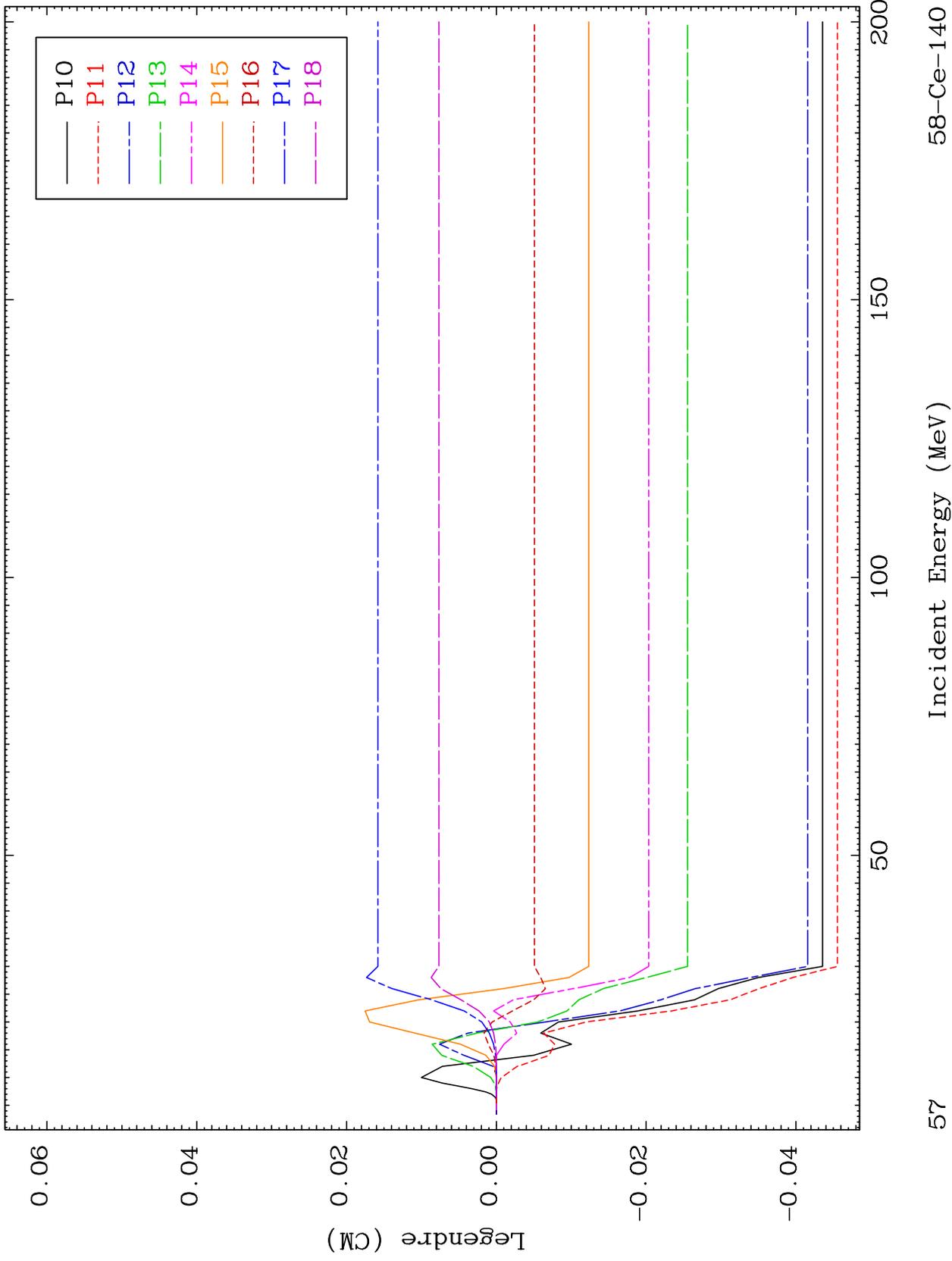
2.481 MeV (n,n') Level
Legendre Coefficients

58-Ce-140





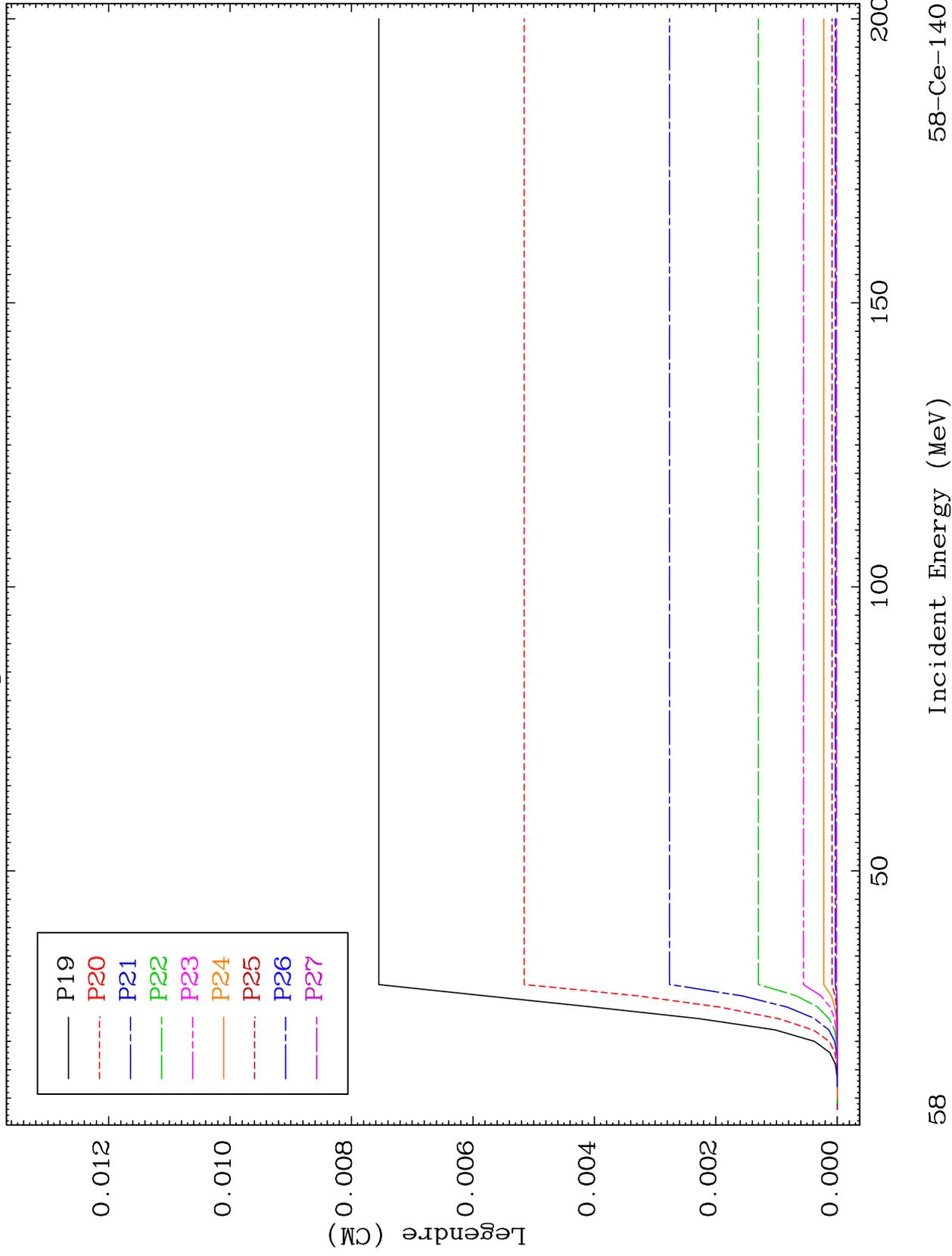




MAT 5837

2.521 MeV (n,n') Level
Legendre Coefficients

58-Ce-140



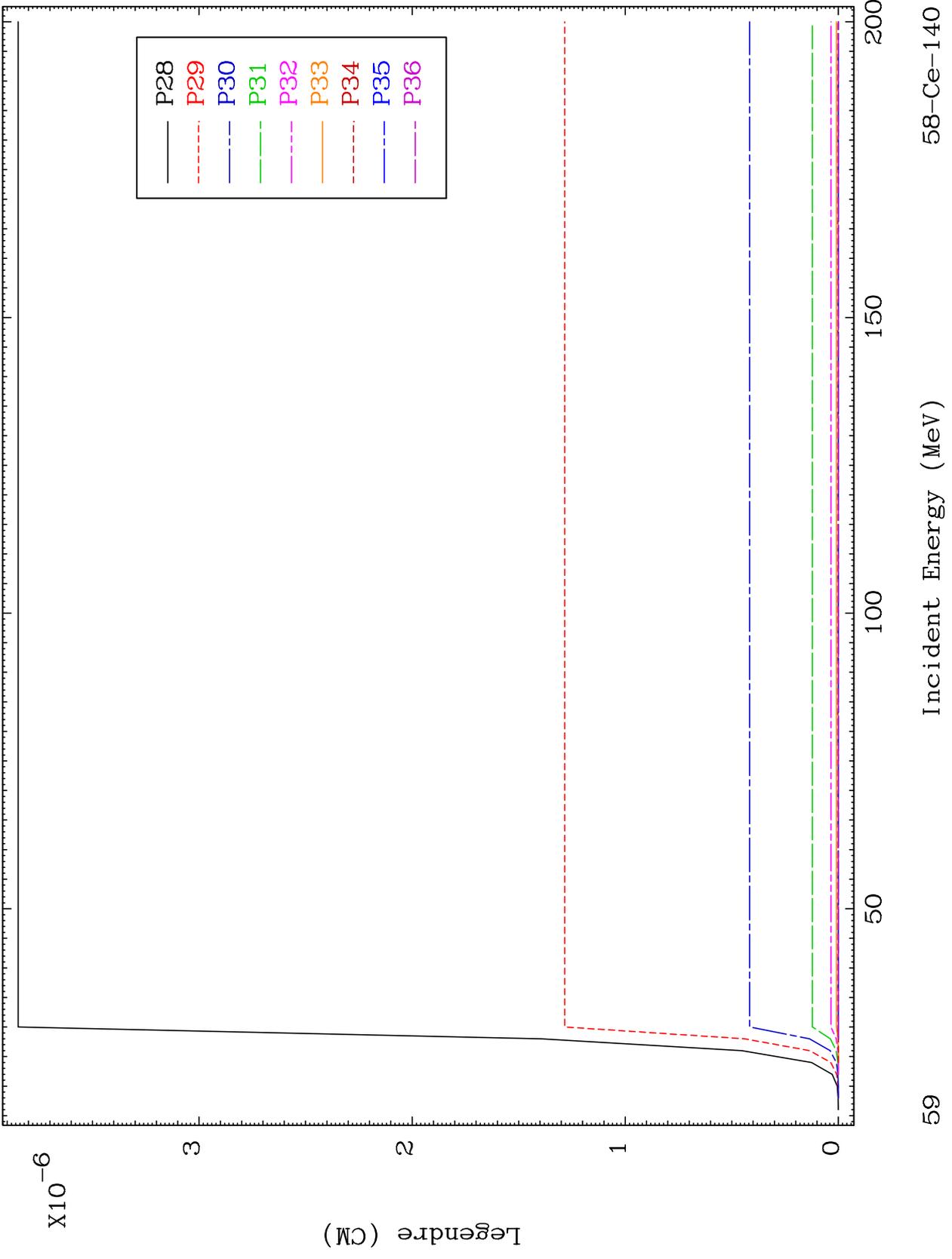
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58-Ce-140

MAT 5837

2.521 MeV (n, n') Level
Legendre Coefficients

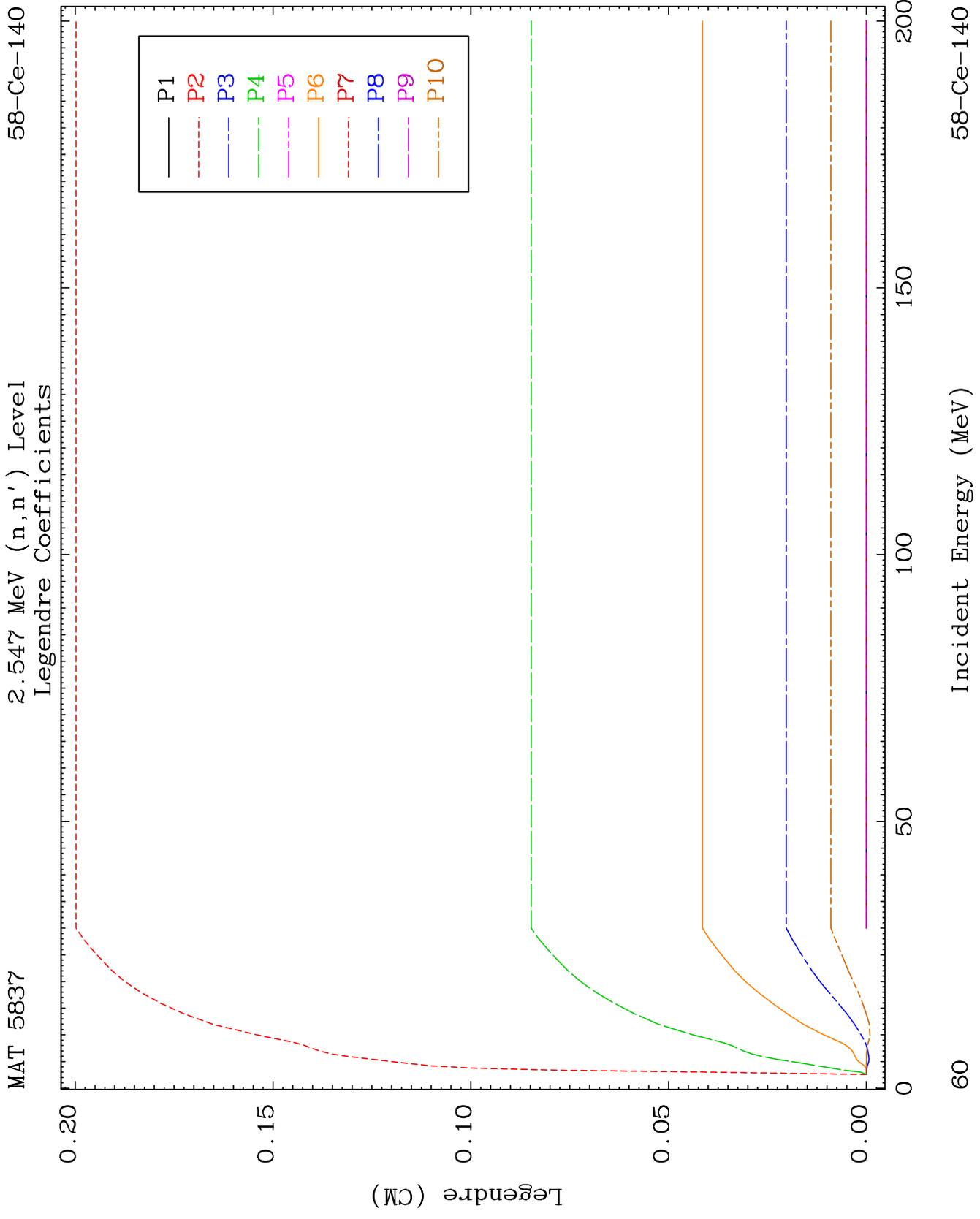
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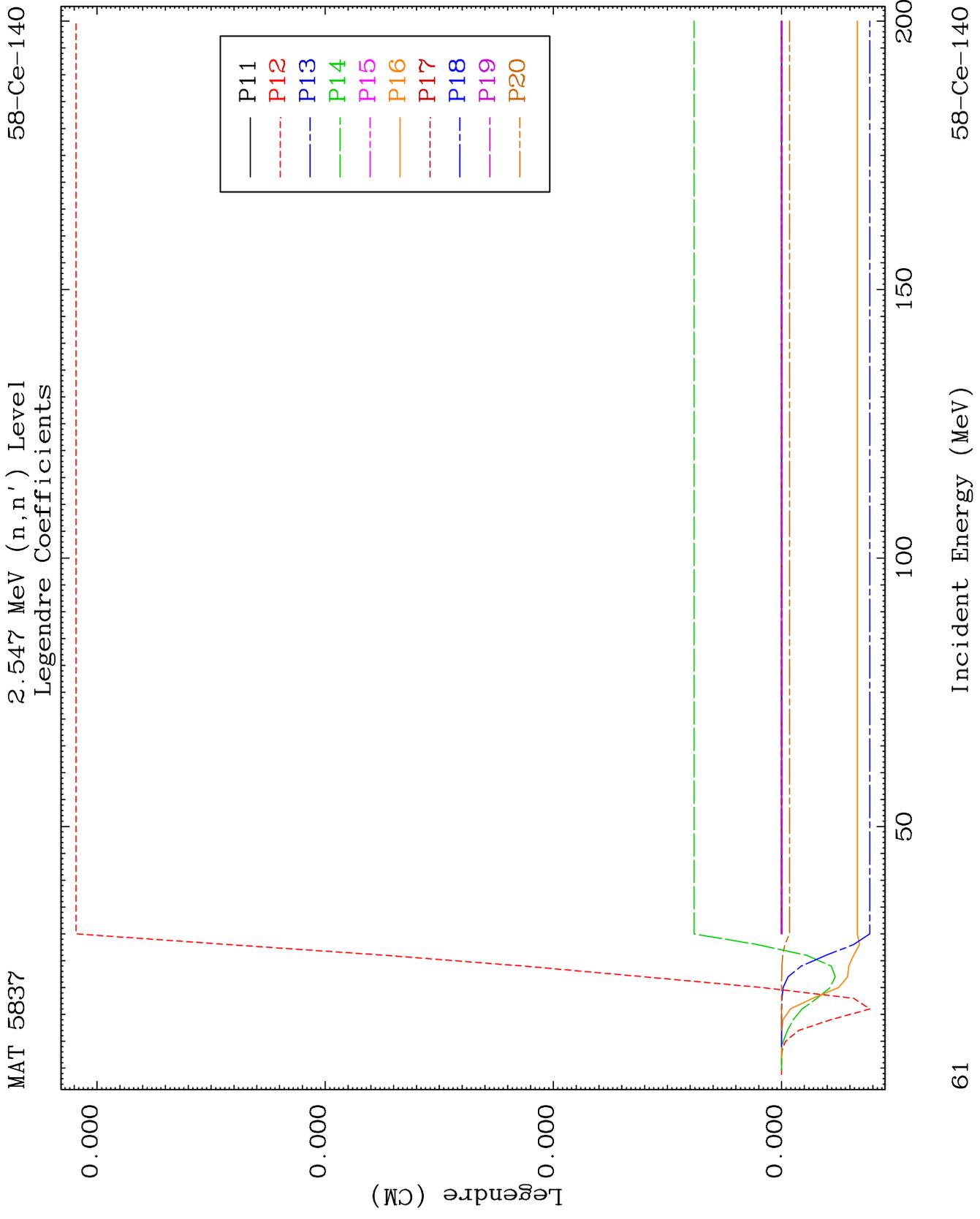


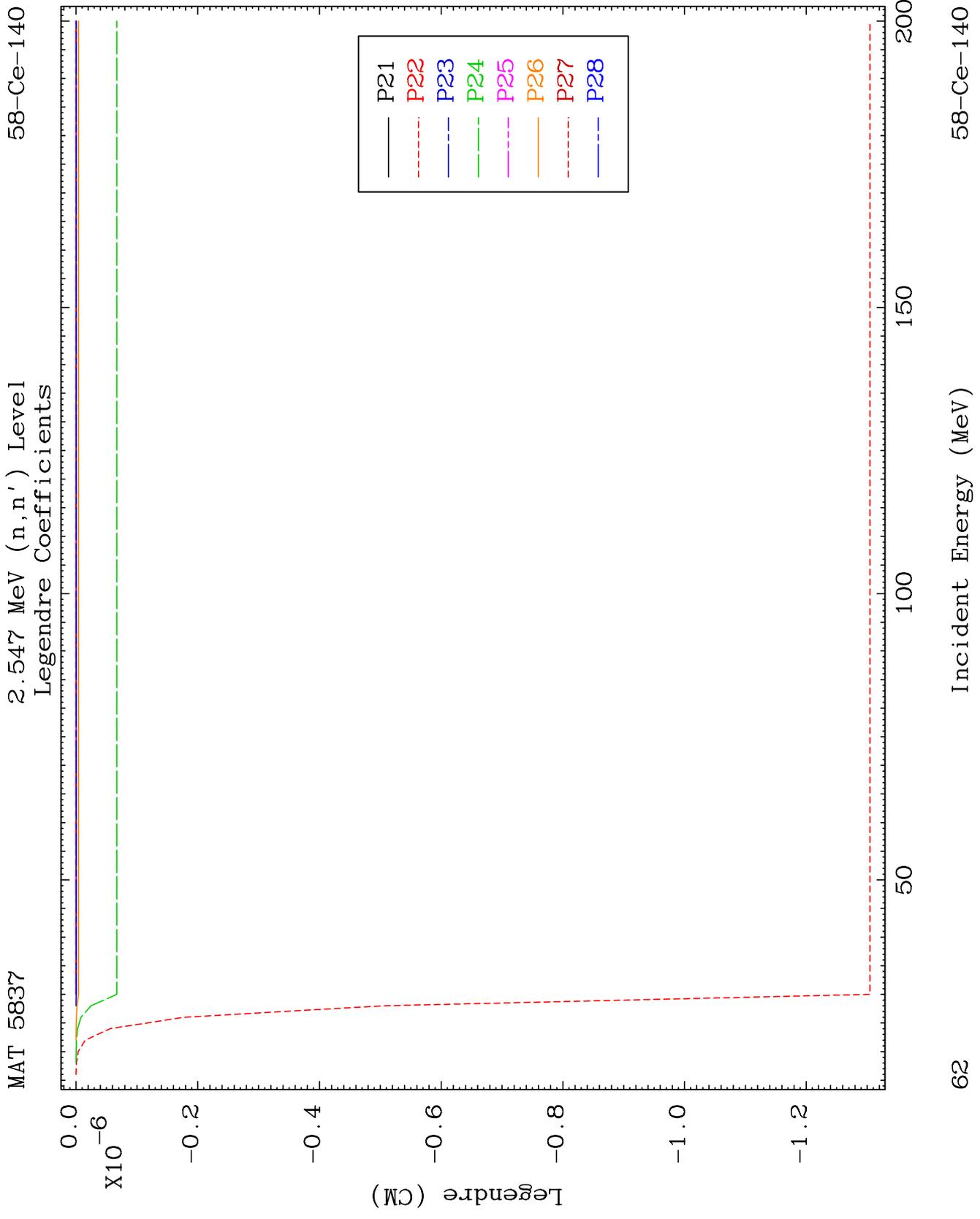
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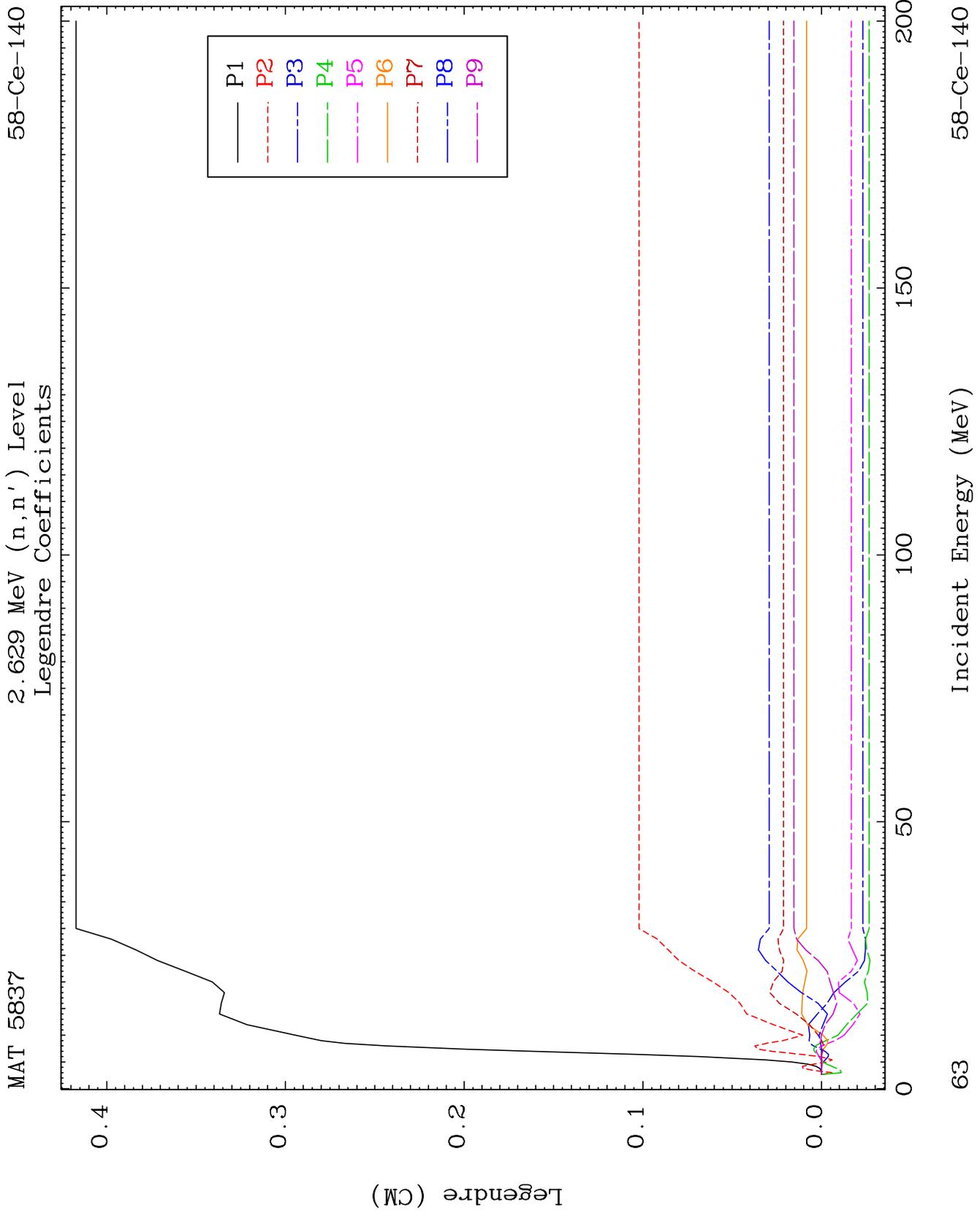
Incident Energy (MeV)

58-Ce-140





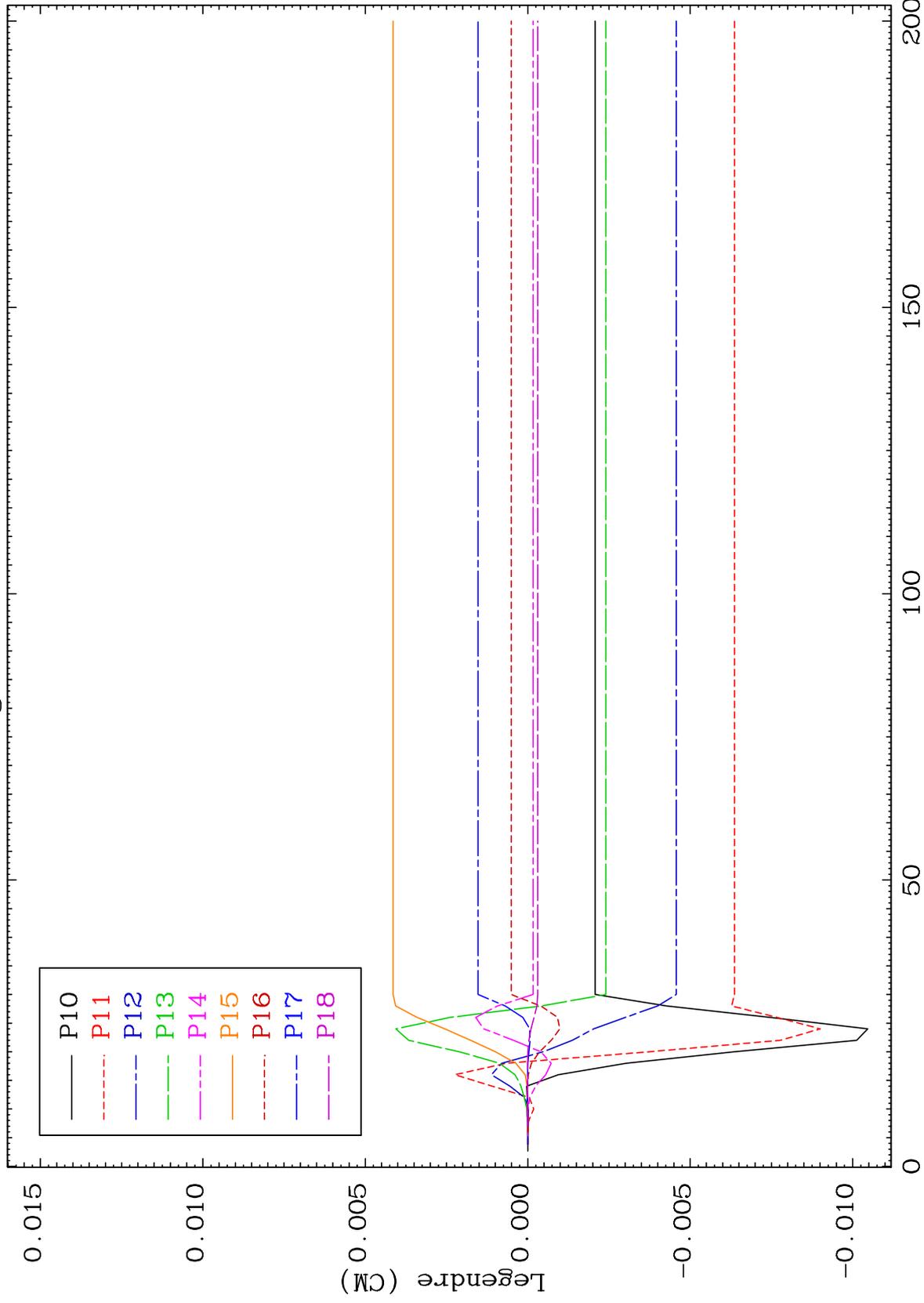




MAT 5837

2.629 MeV (n,n') Level
Legendre Coefficients

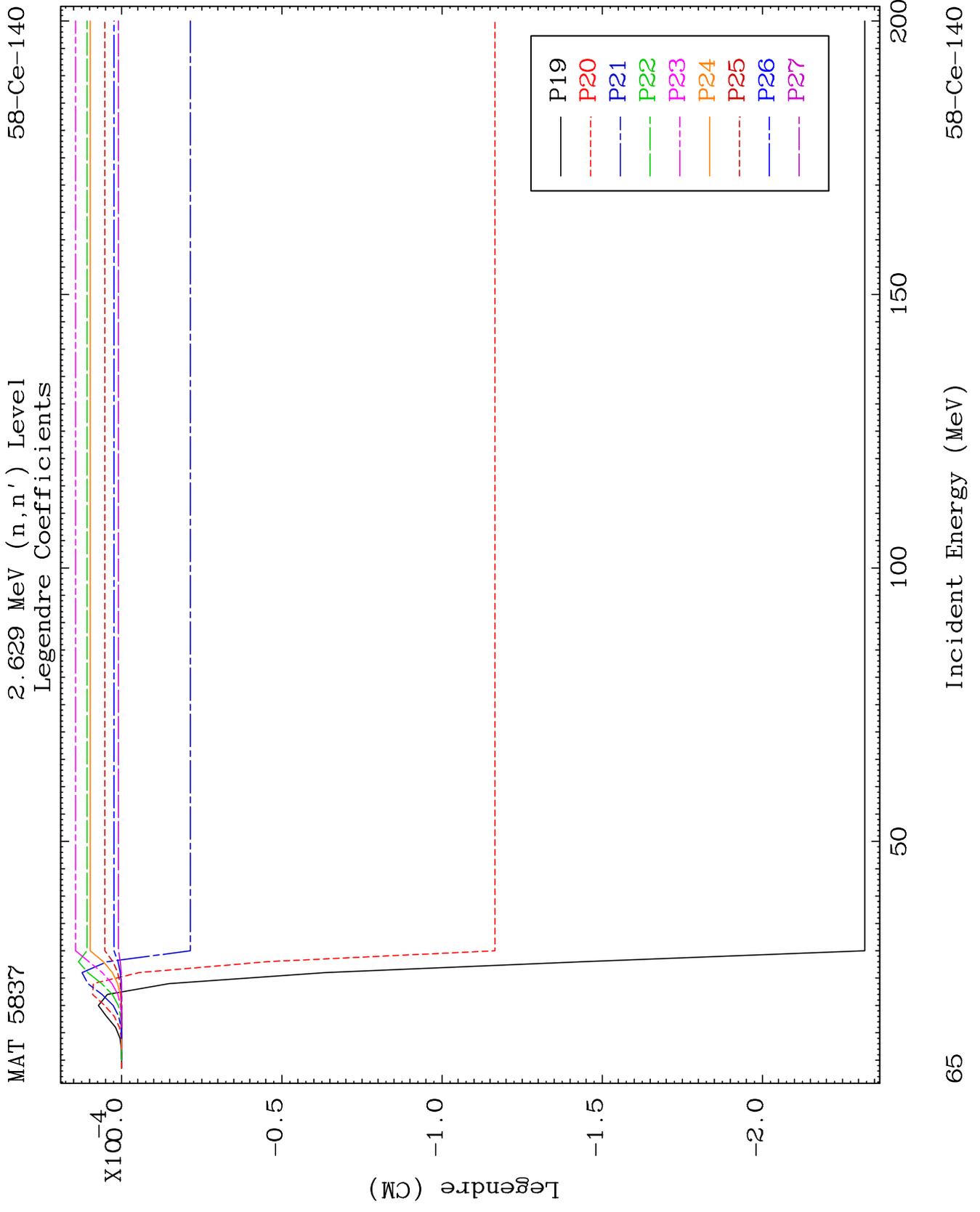
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64

Incident Energy (MeV)

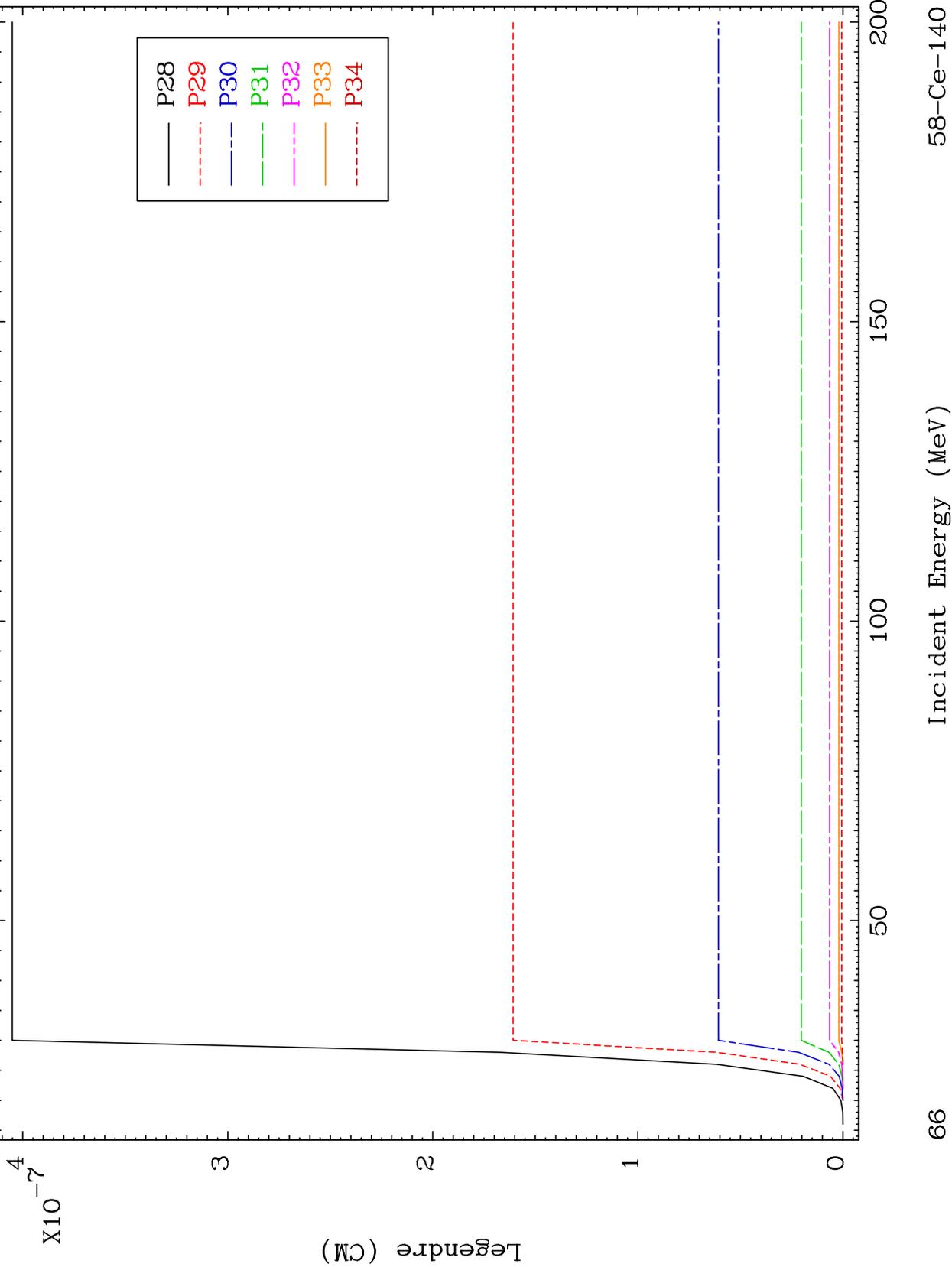
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MAT 5837

2.629 MeV (n, n') Level
Legendre Coefficients

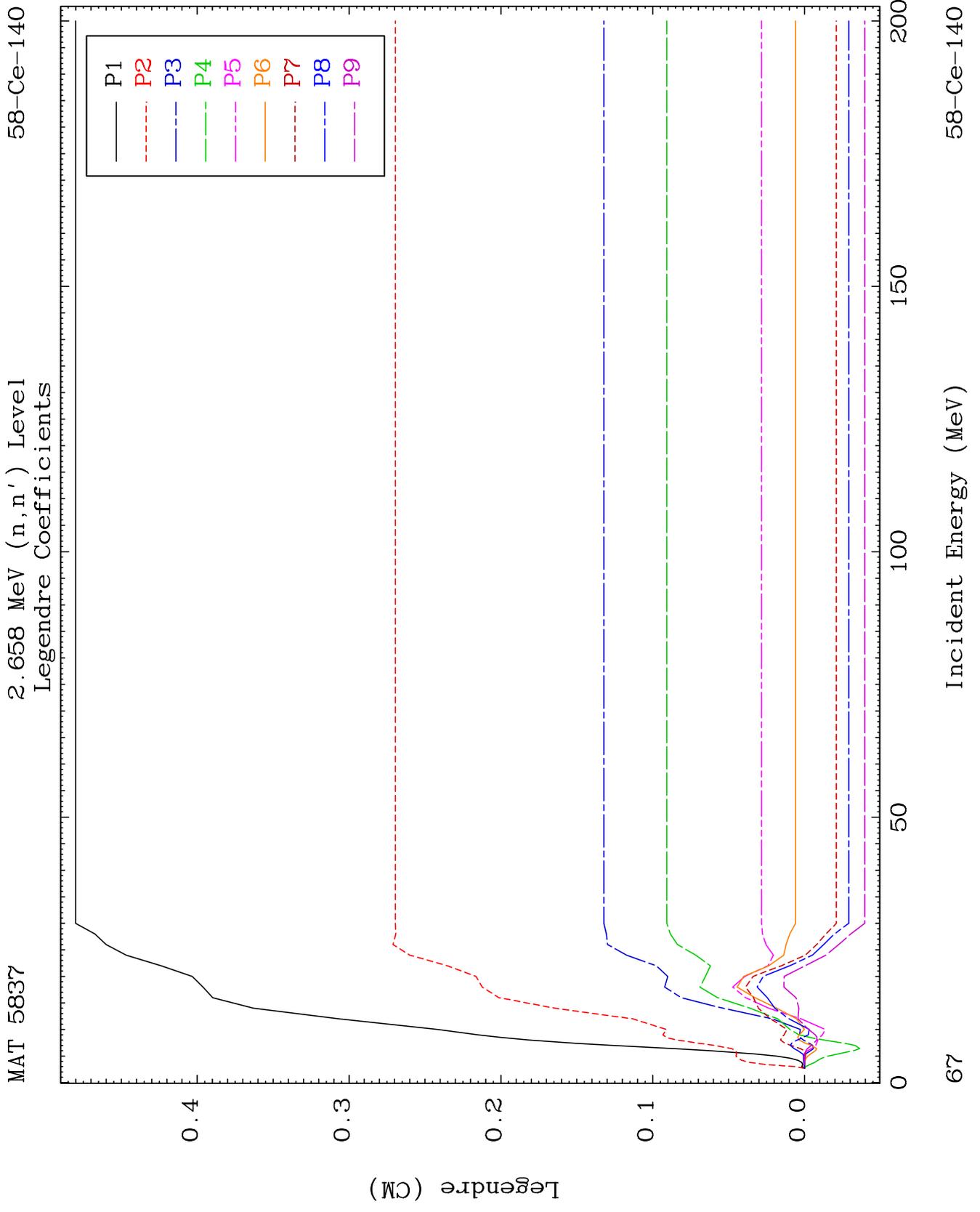
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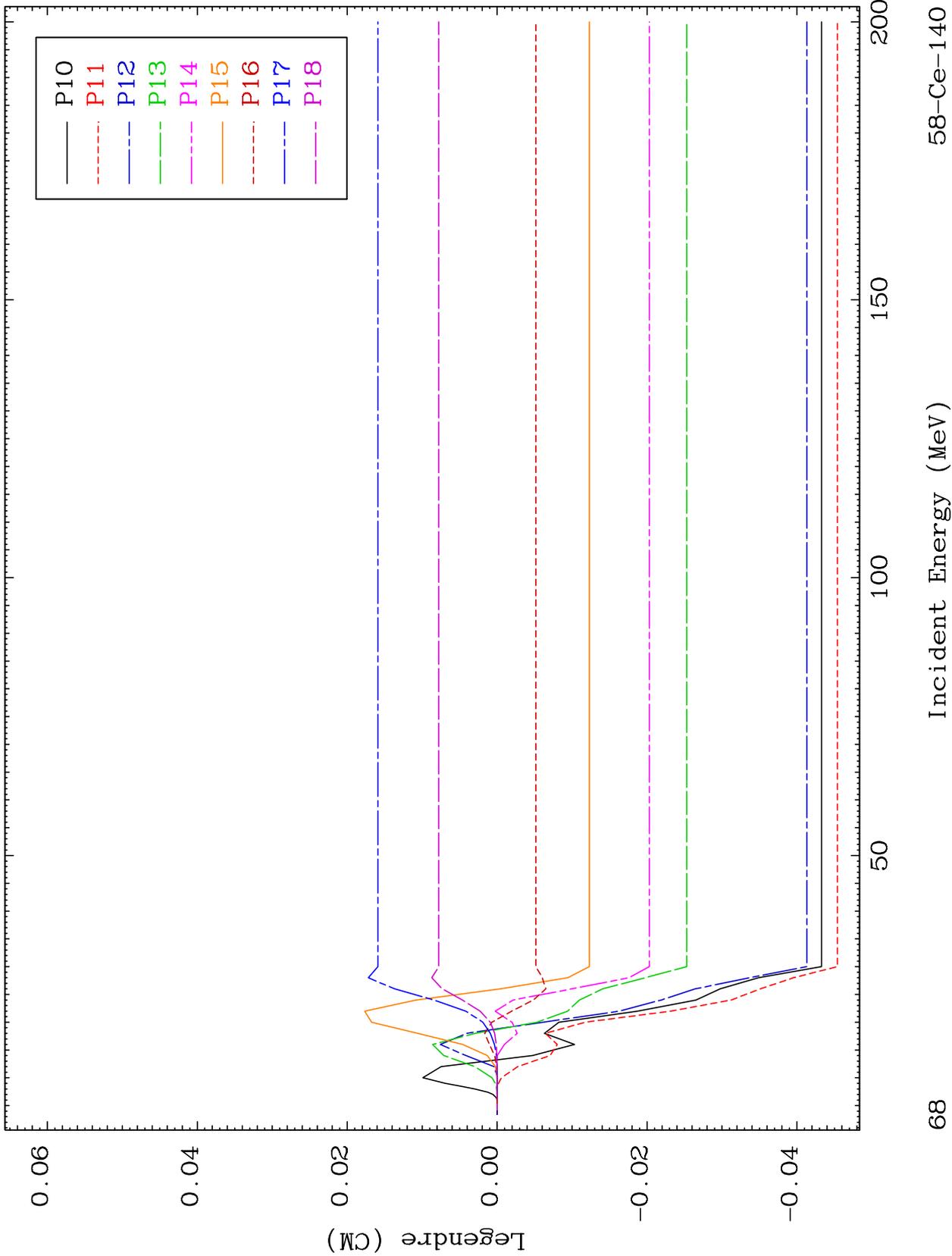


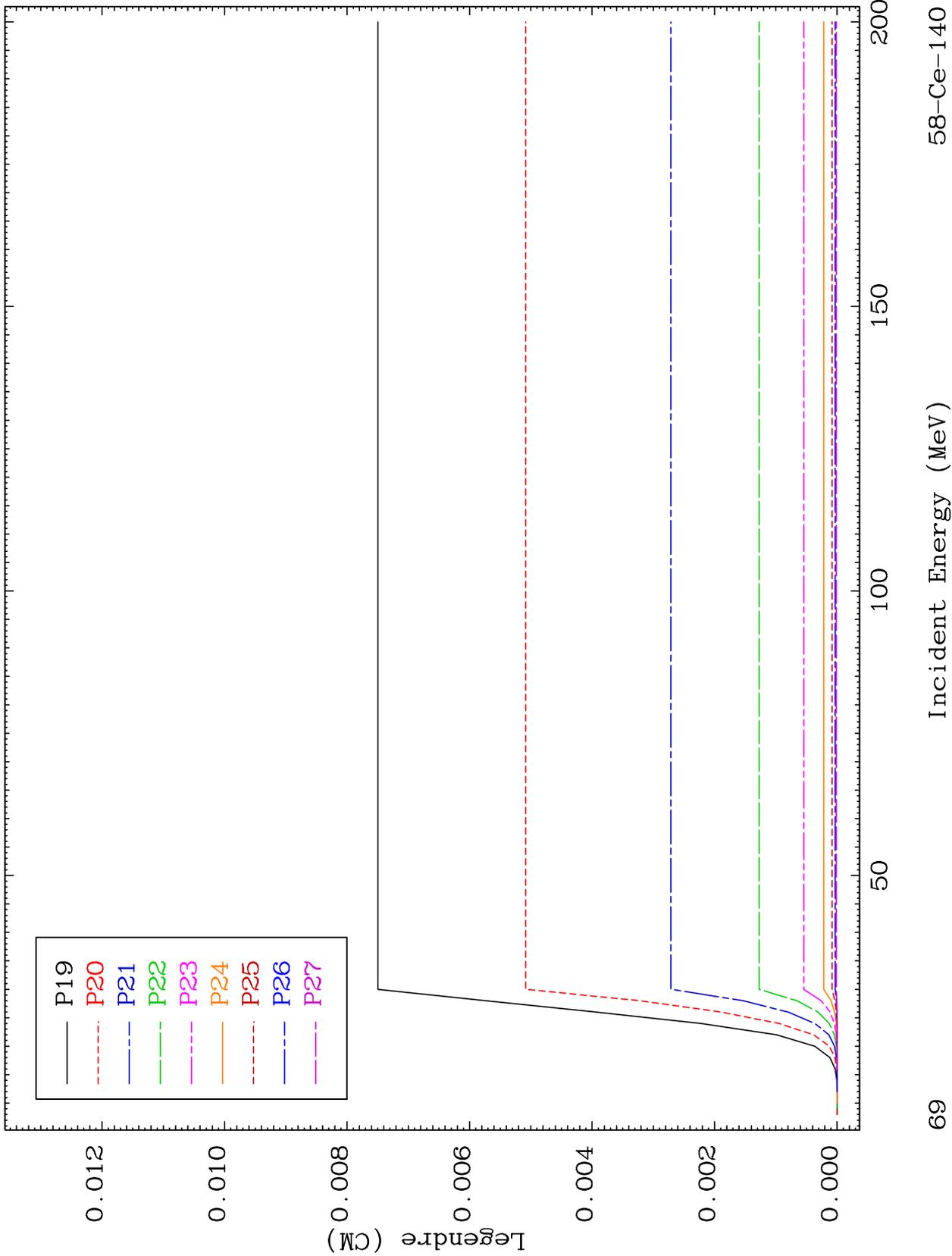
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Incident Energy (MeV)

58-Ce-140



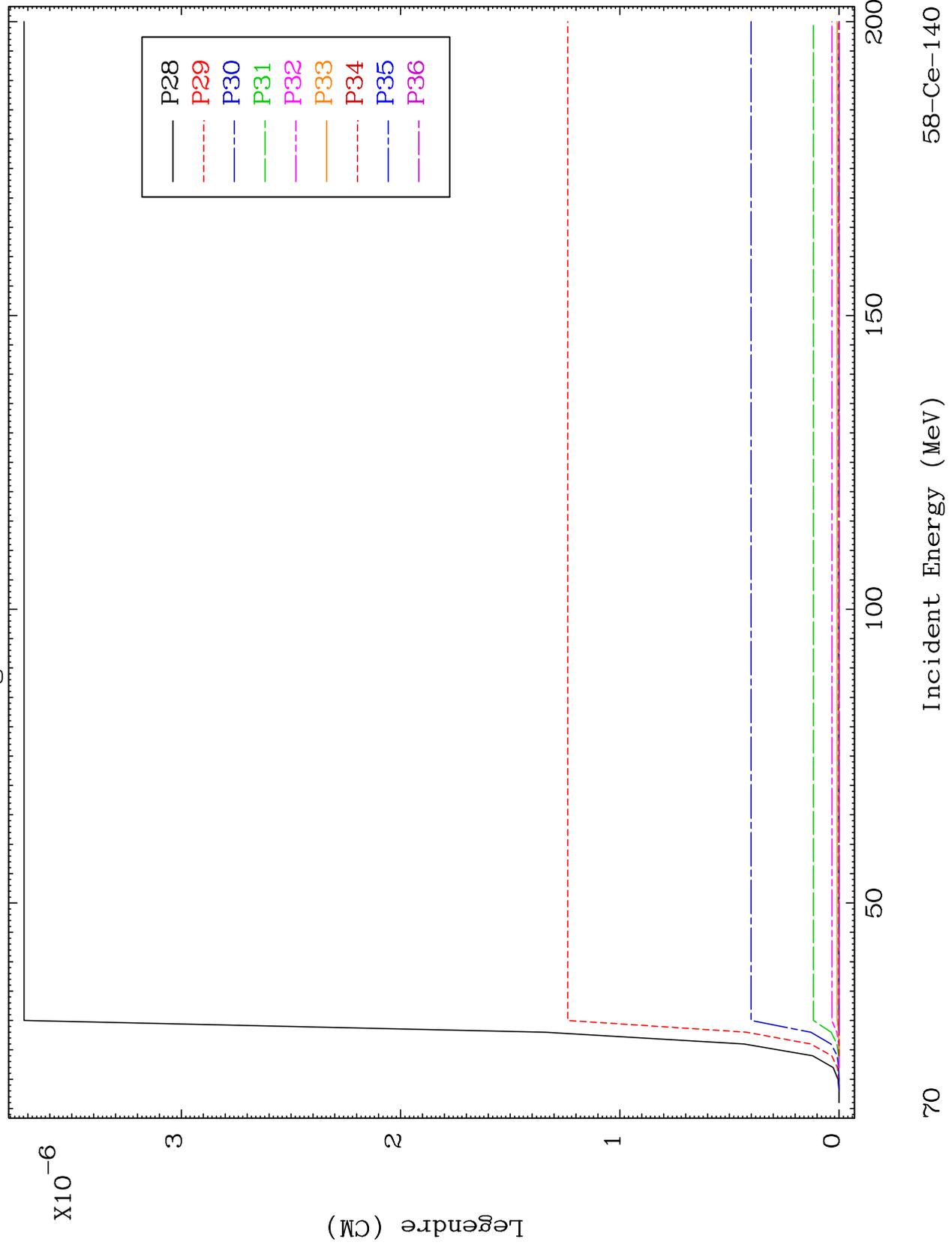




MAT 5837

2.658 MeV (n,n') Level
Legendre Coefficients

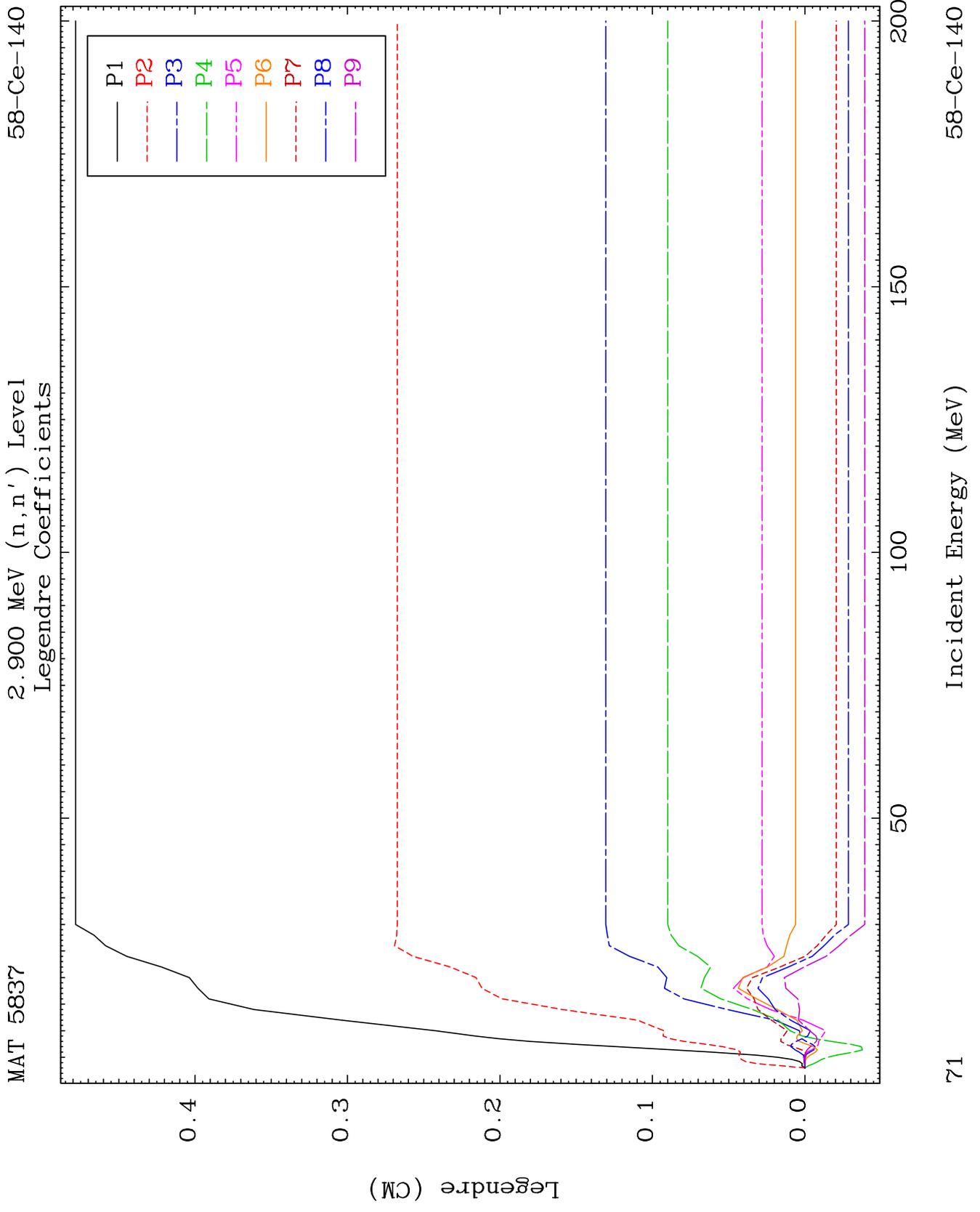
58-Ce-140



70

Incident Energy (MeV)

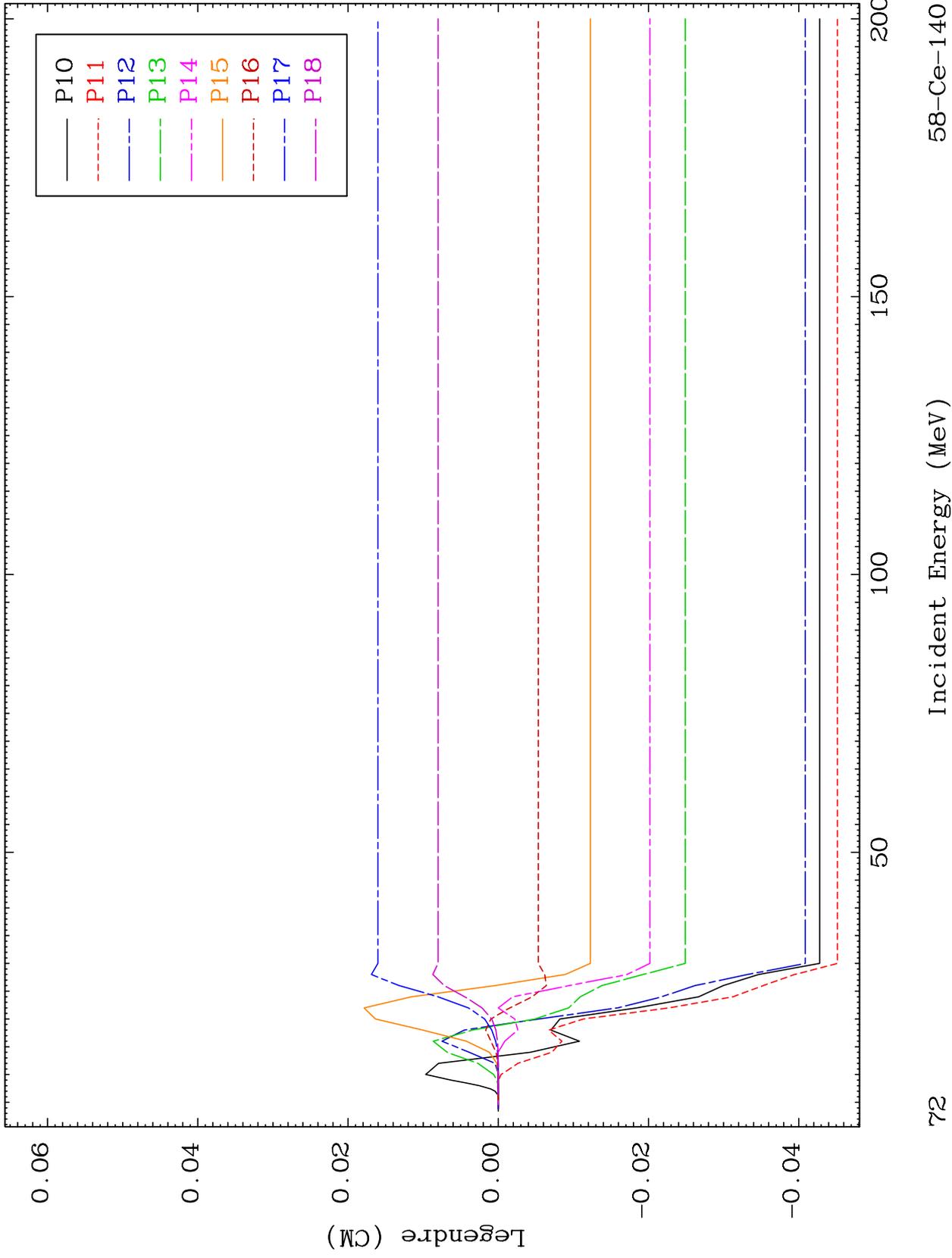
58-Ce-140



MAT 5837

2.900 MeV (n,n') Level
Legendre Coefficients

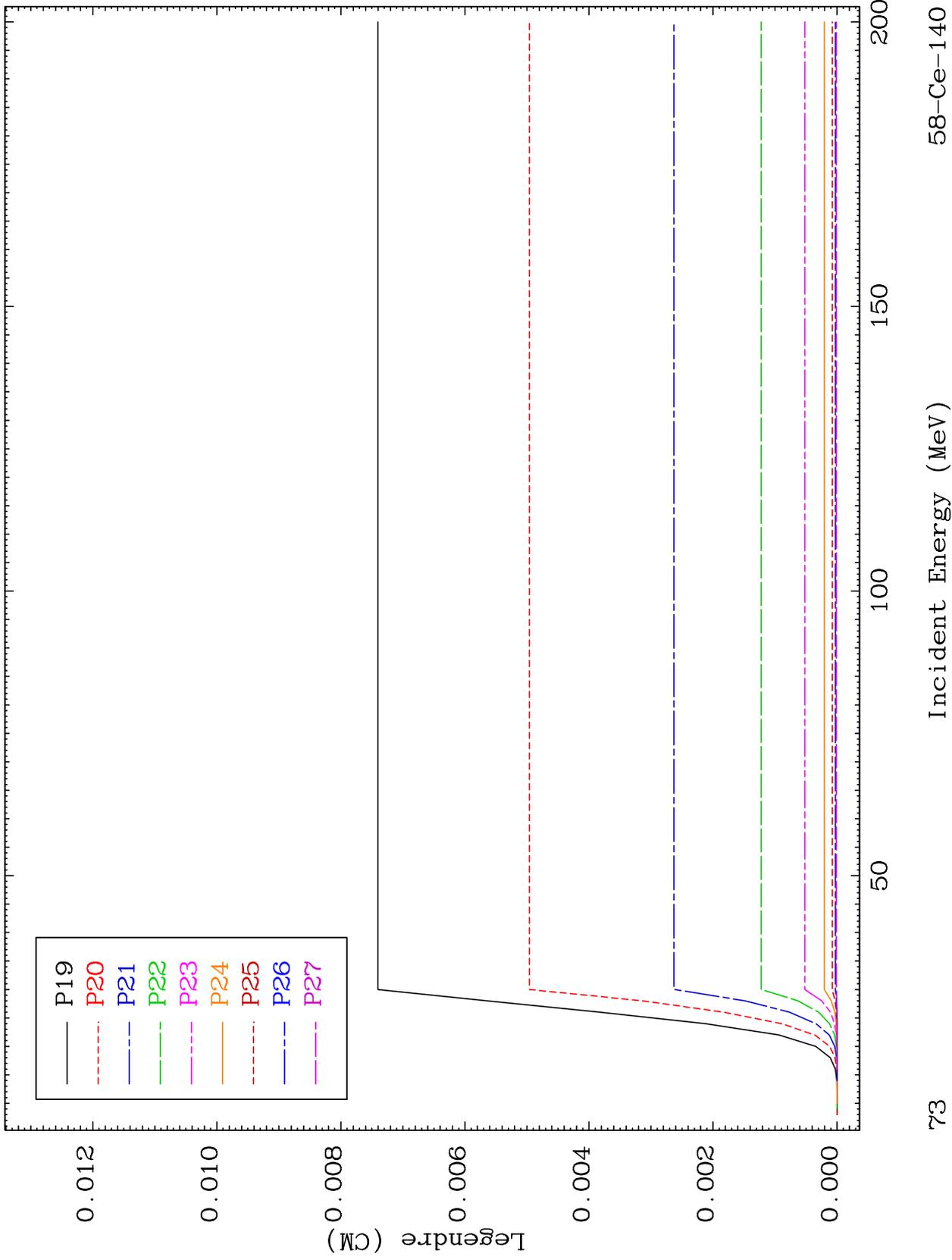
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72

Incident Energy (MeV)

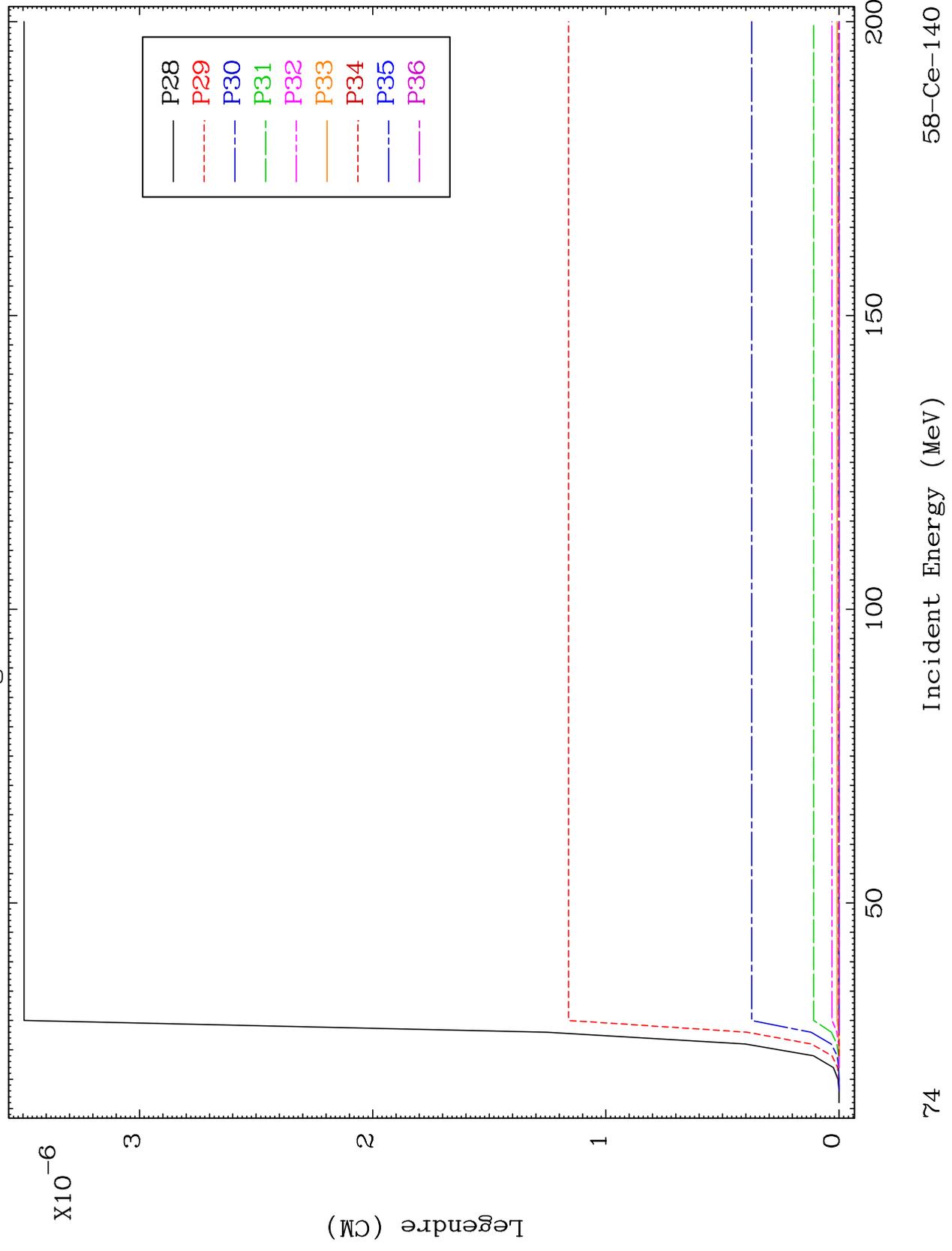
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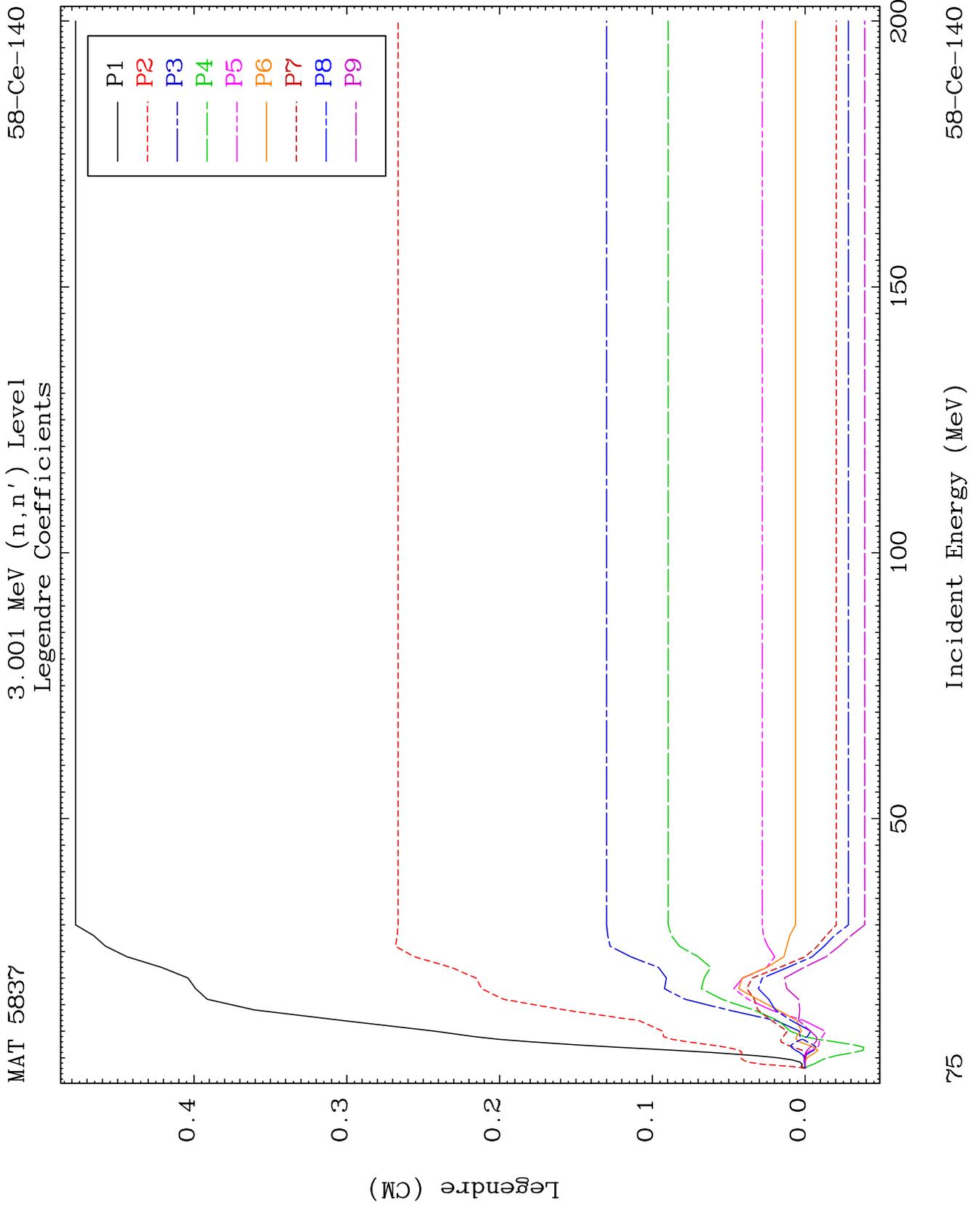


MAT 5837

2.900 MeV (n,n') Level
Legendre Coefficients

58-Ce-140

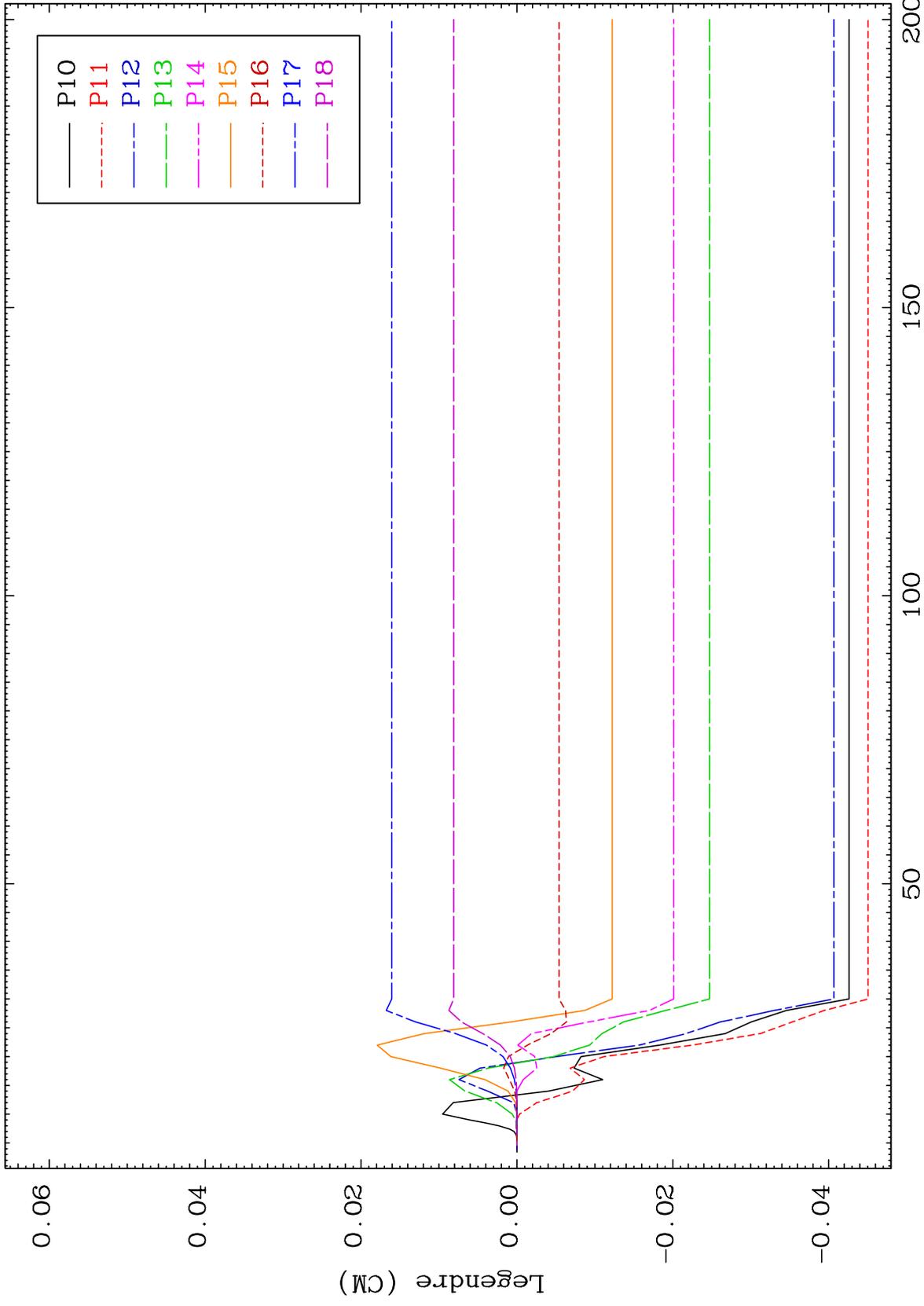




MAT 5837

3.001 MeV (n,n') Level
Legendre Coefficients

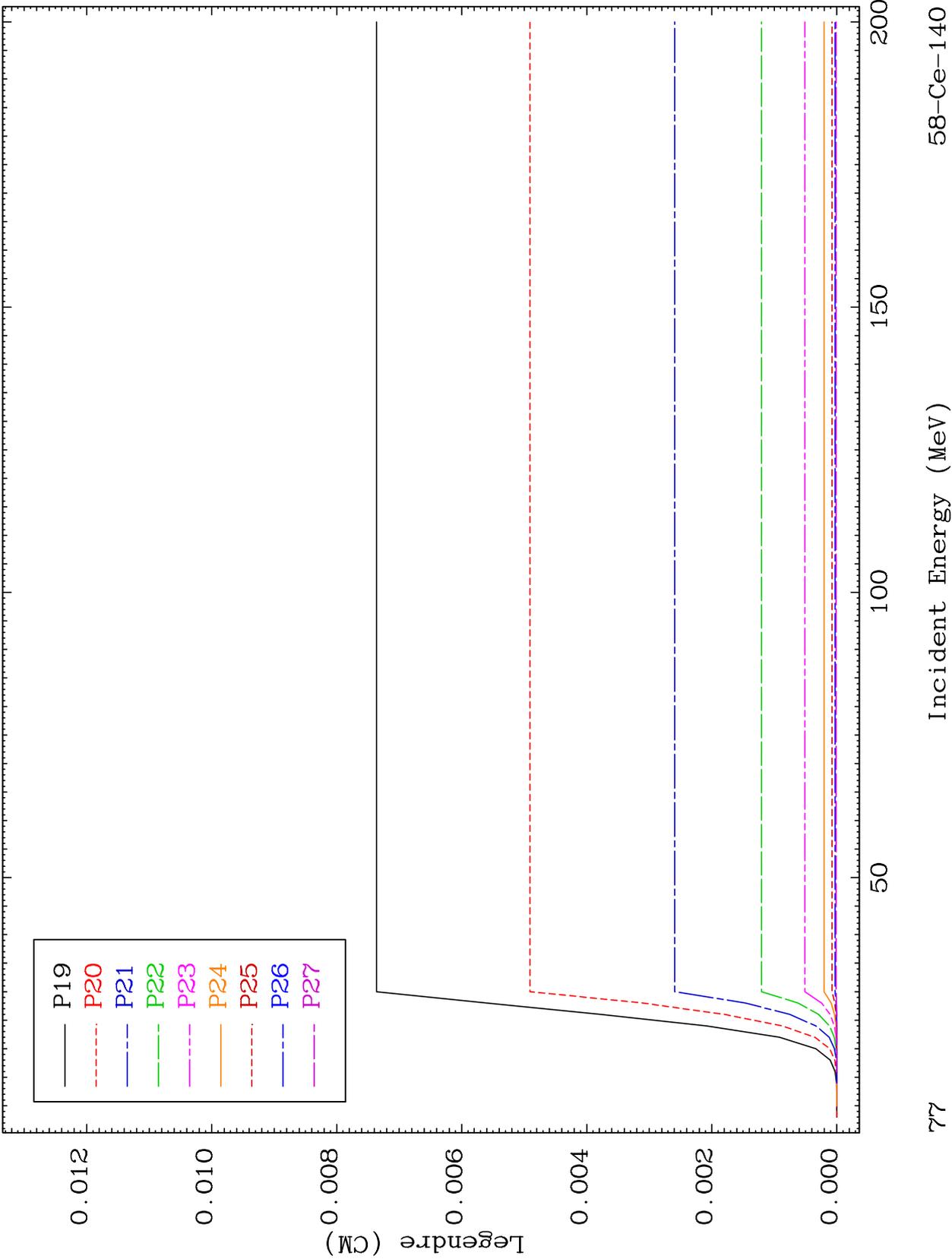
58-Ce-140



76

Incident Energy (MeV)

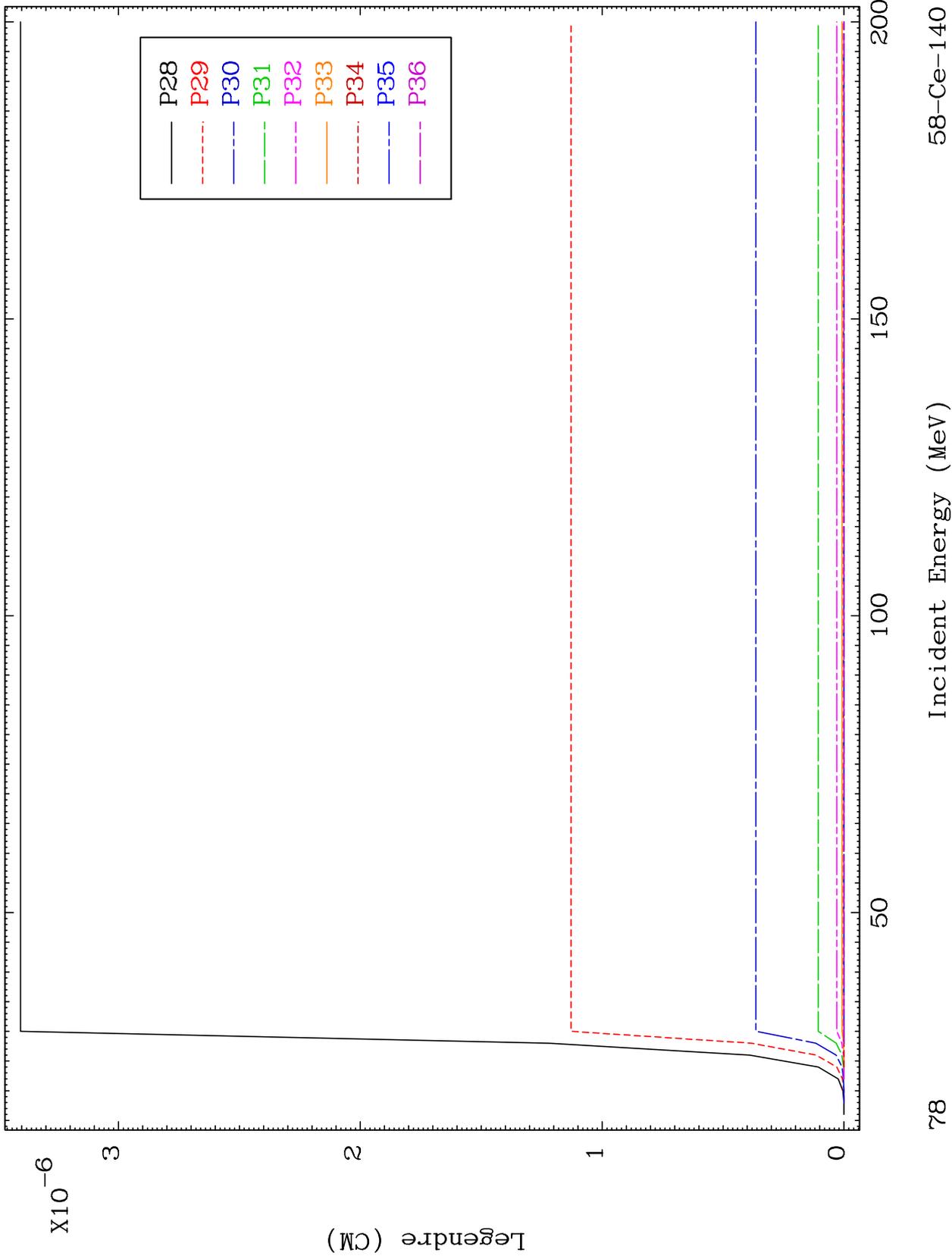
58-Ce-140

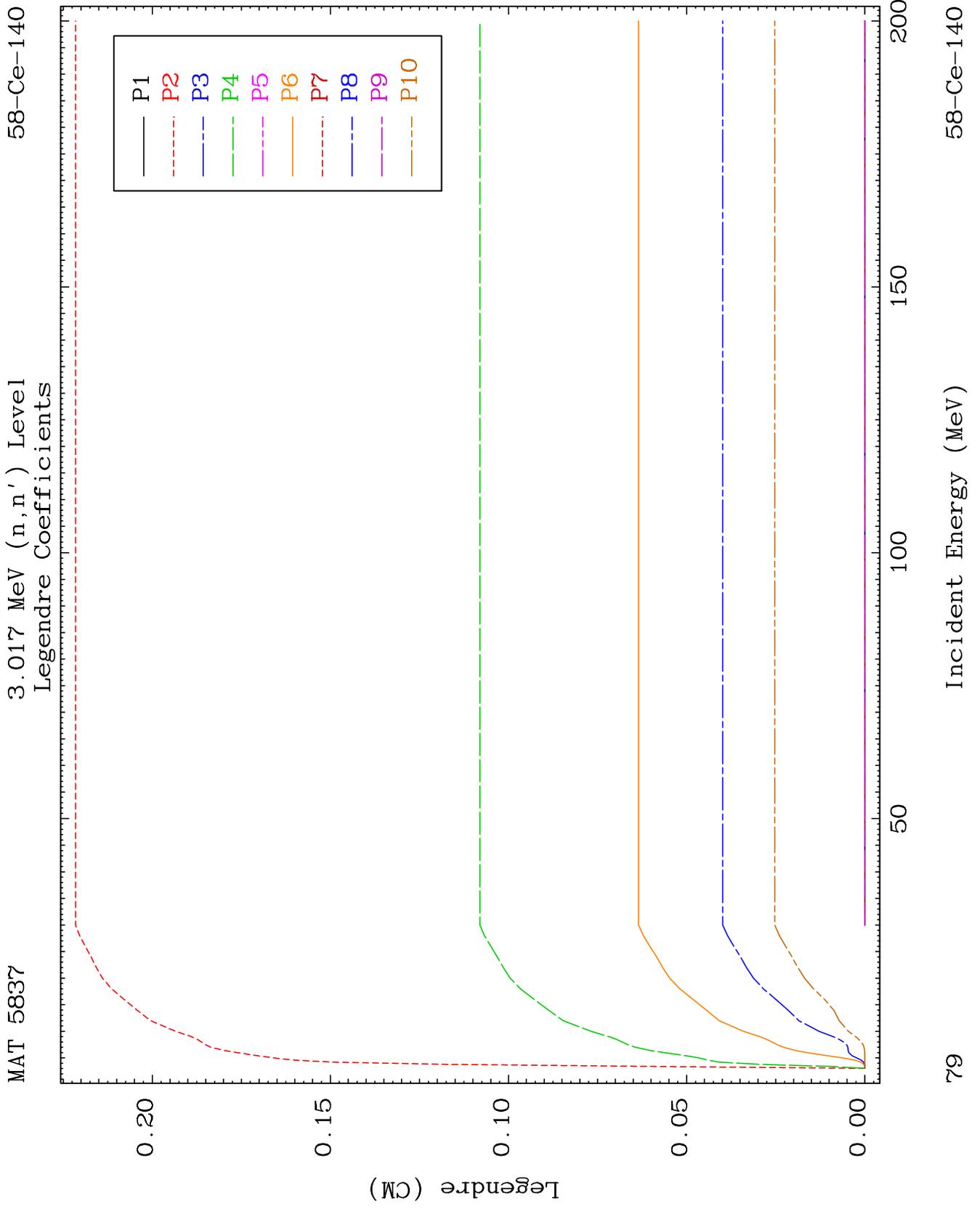


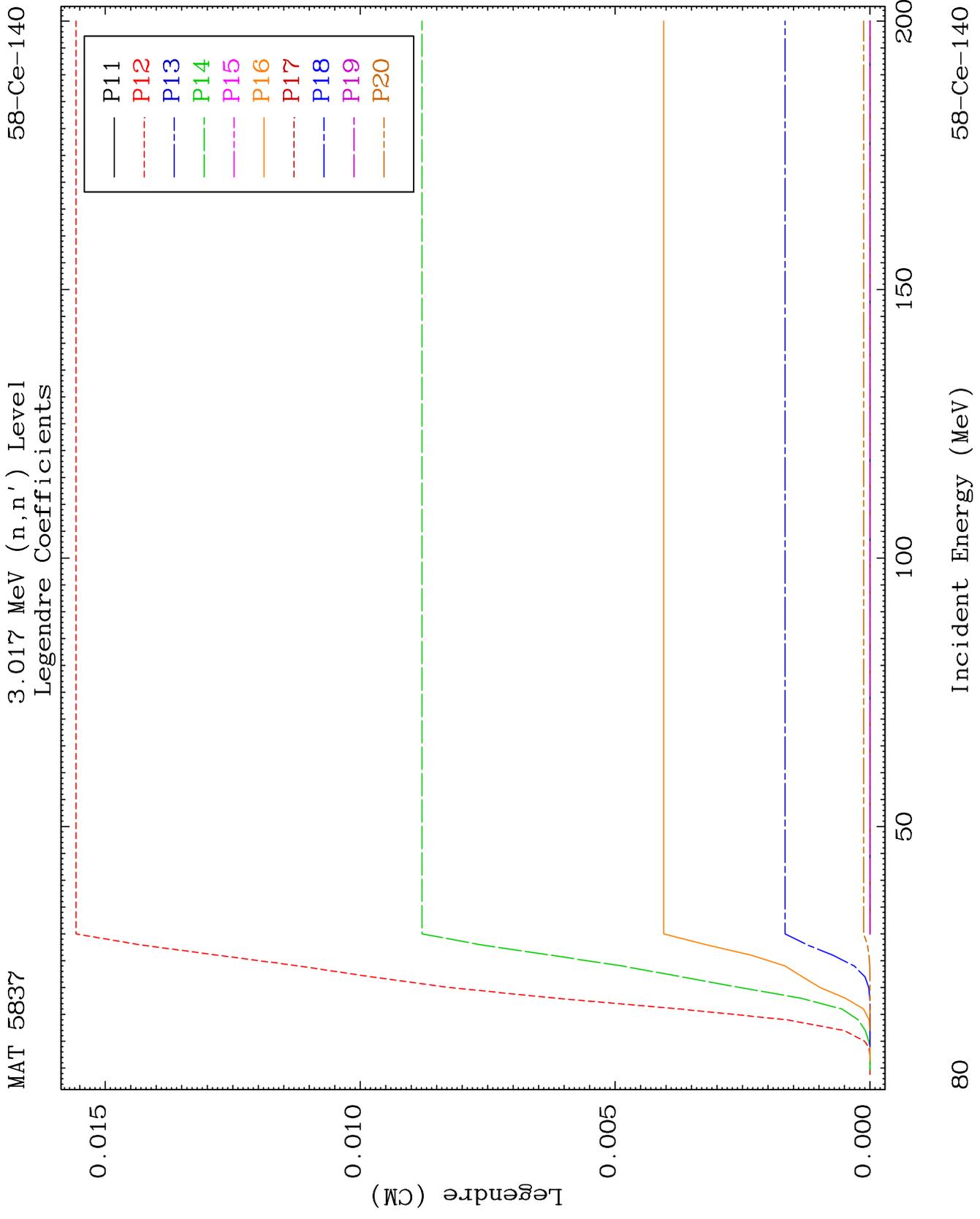
MAT 5837

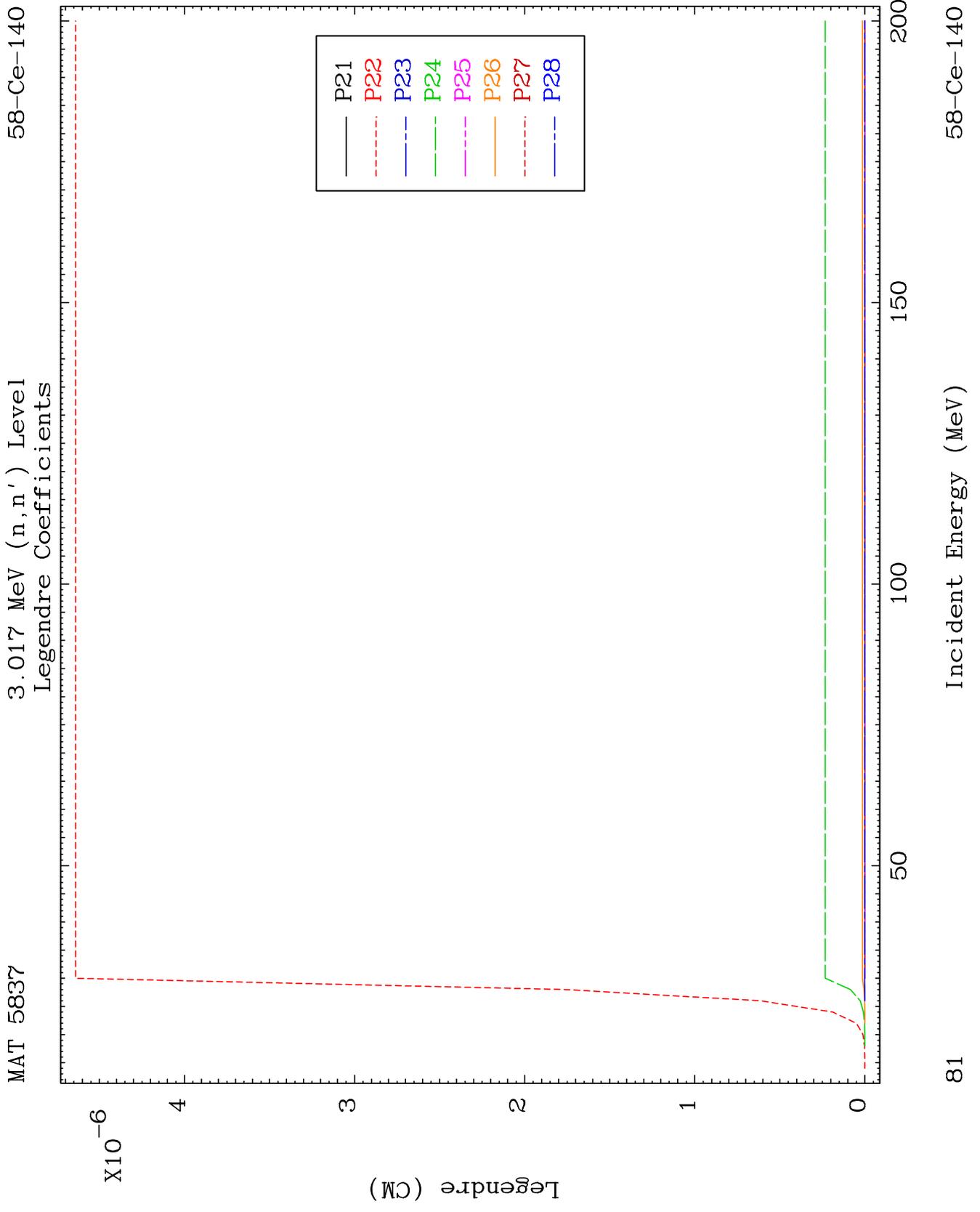
3.001 MeV (n,n') Level
Legendre Coefficients

58-Ce-140





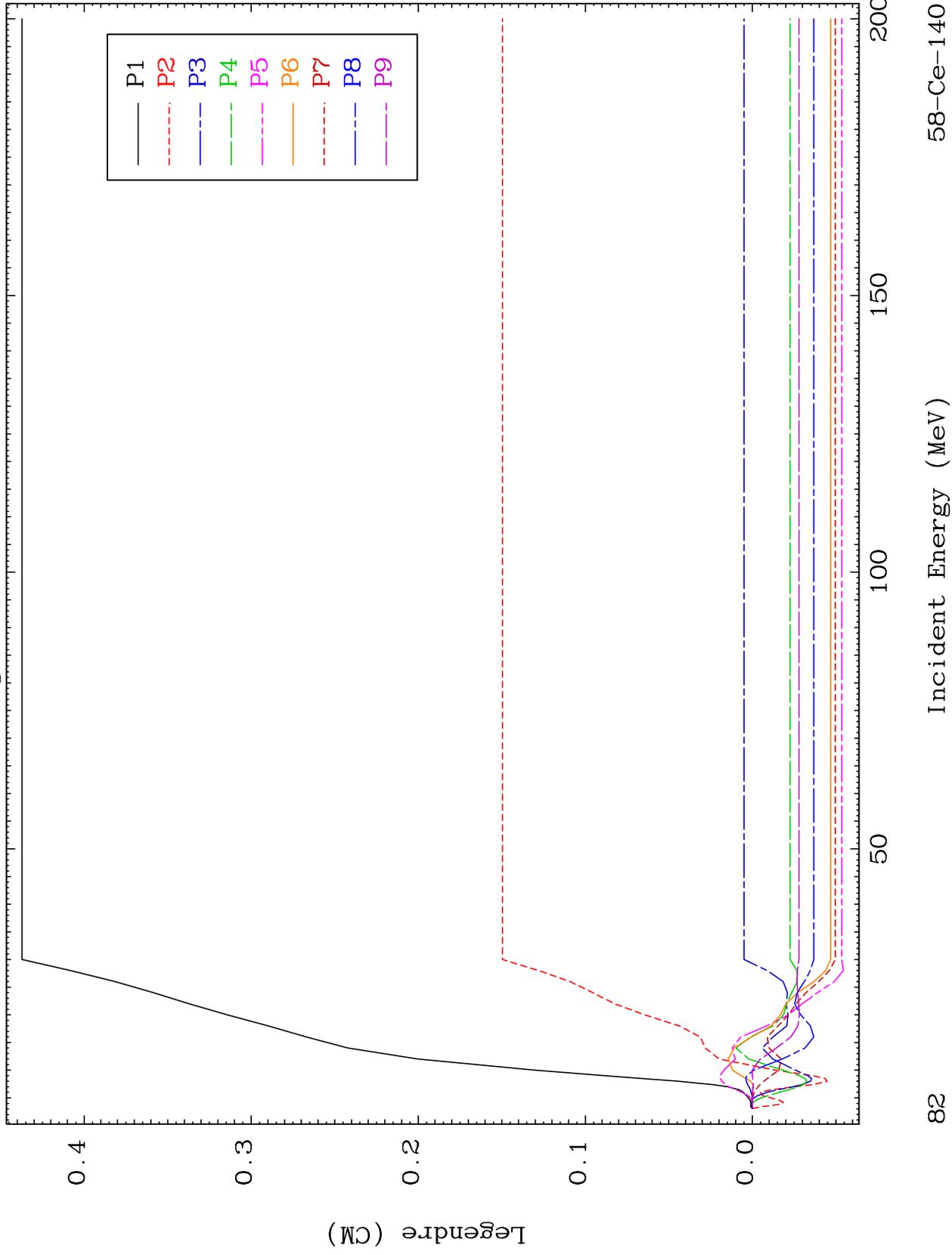




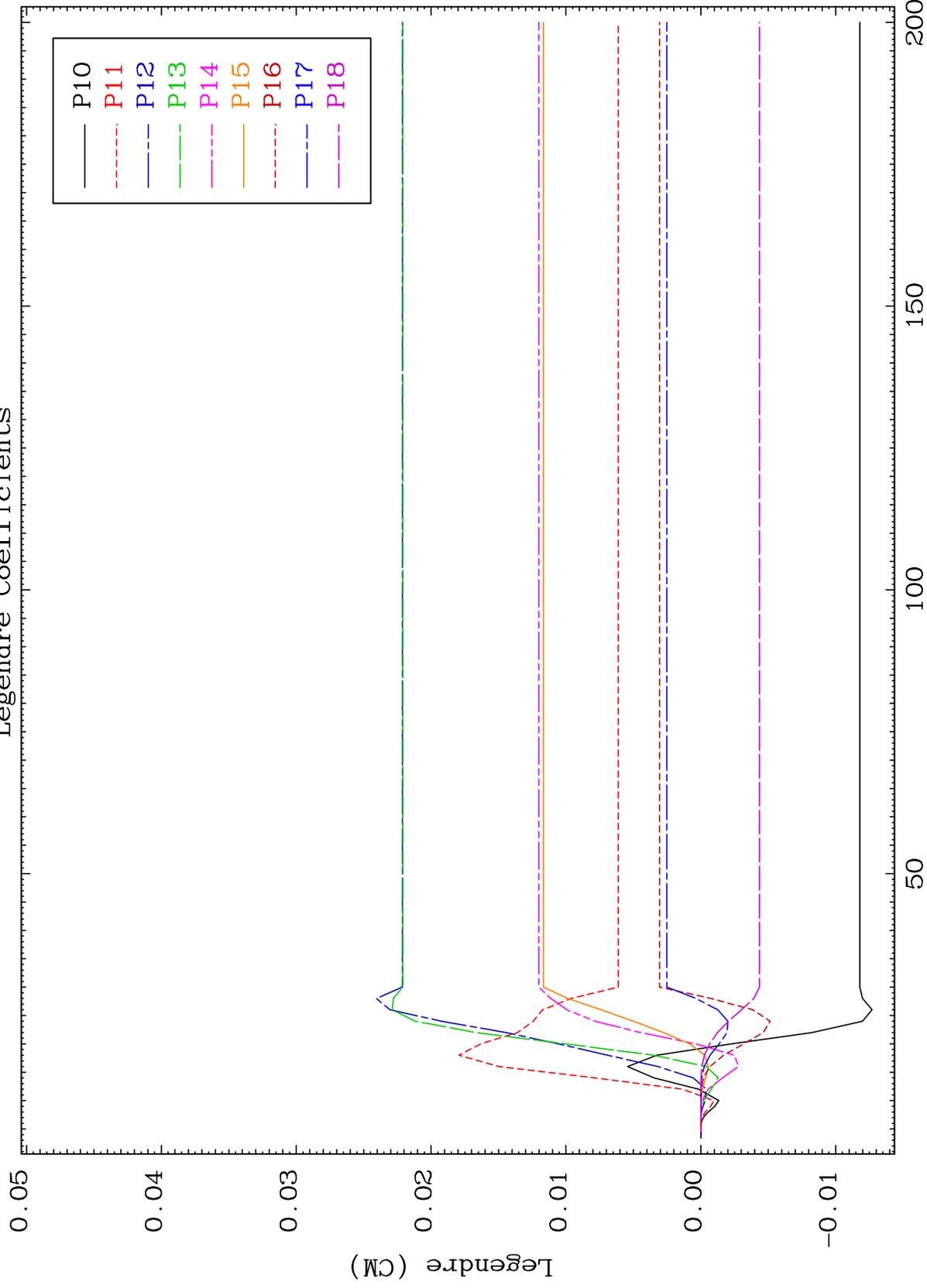
MAT 5837

3.040 MeV (n,n') Level
Legendre Coefficients

58-Ce-140



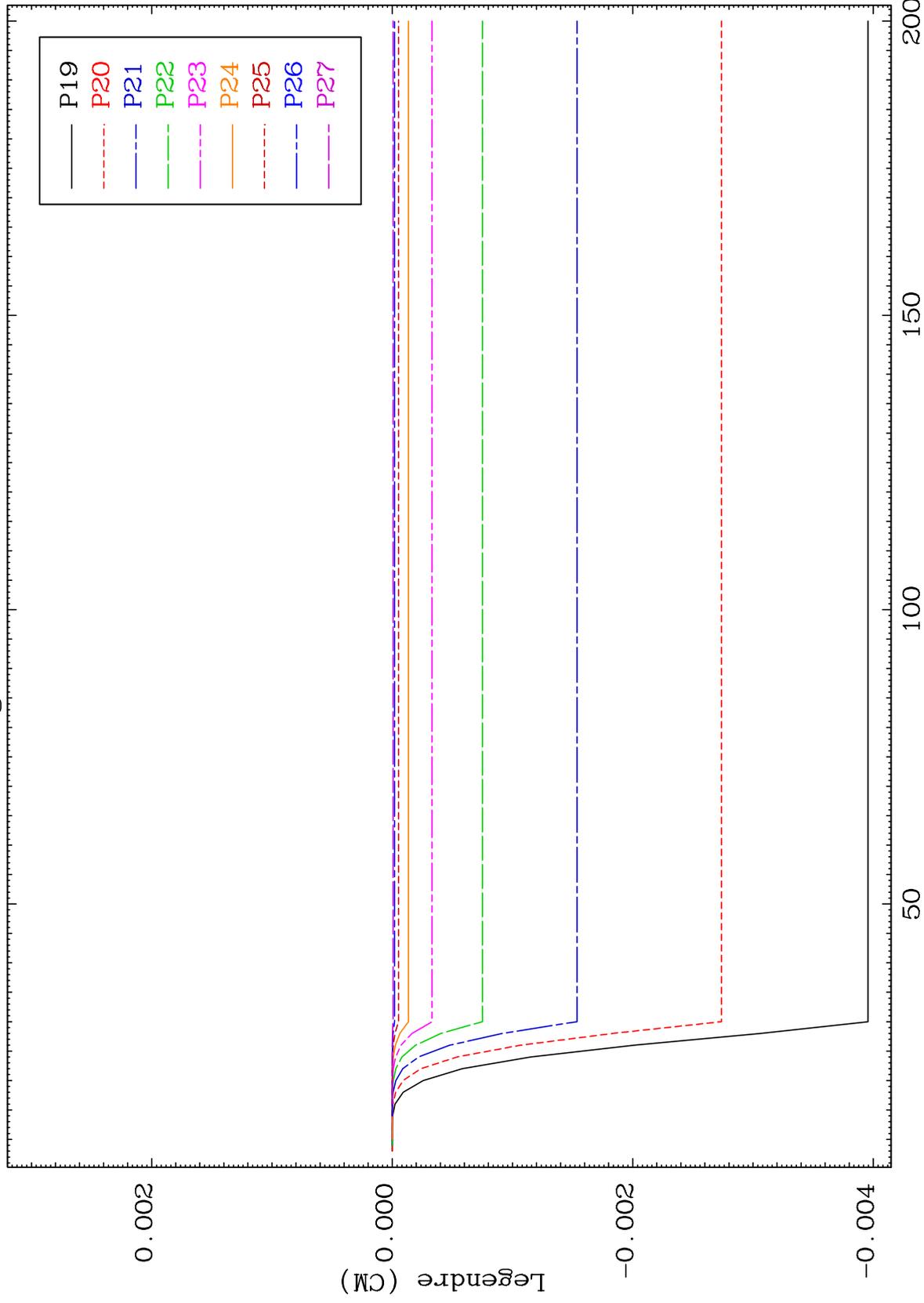
82



MAT 5837

3.040 MeV (n,n') Level
Legendre Coefficients

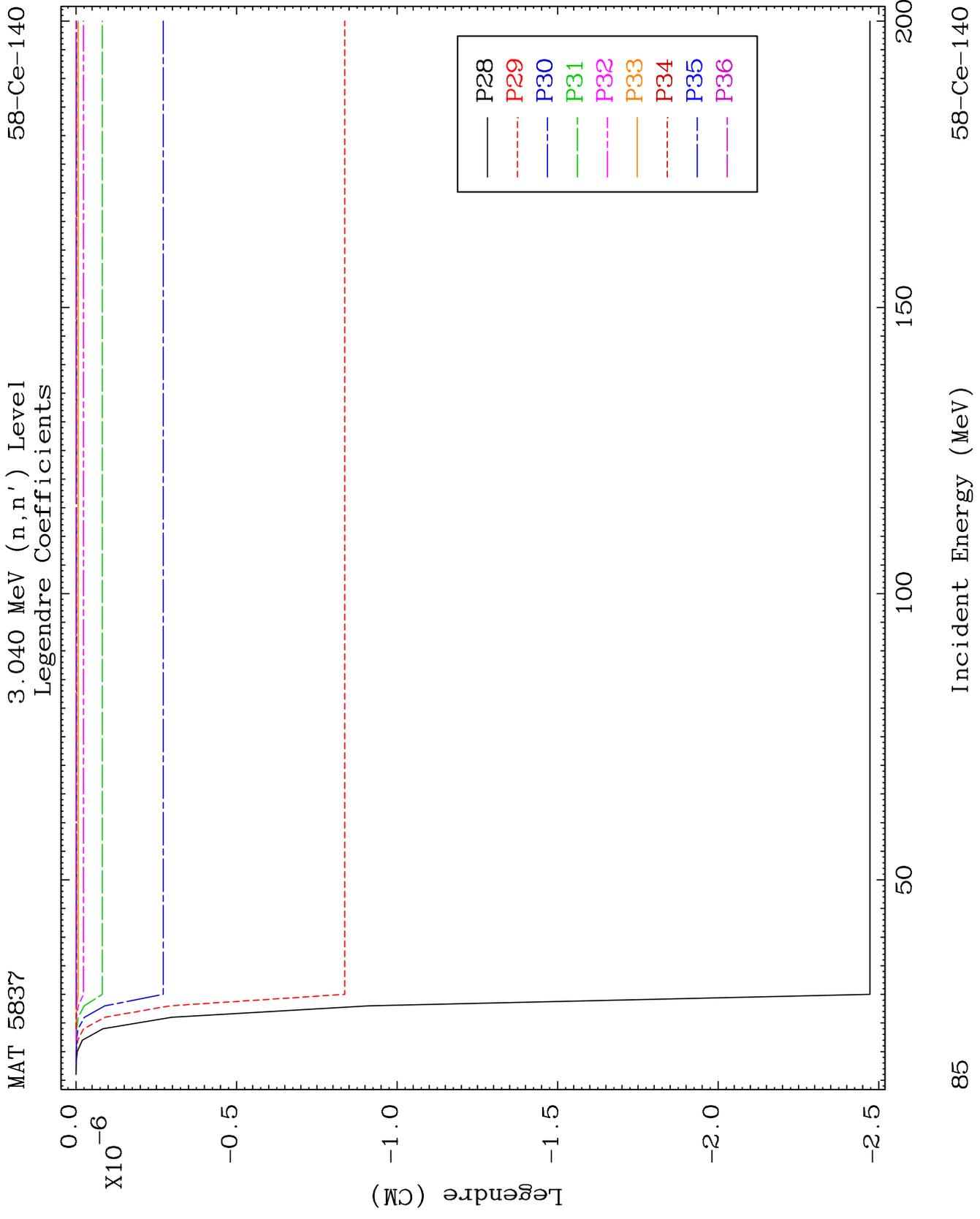
58-Ce-140



84

Incident Energy (MeV)

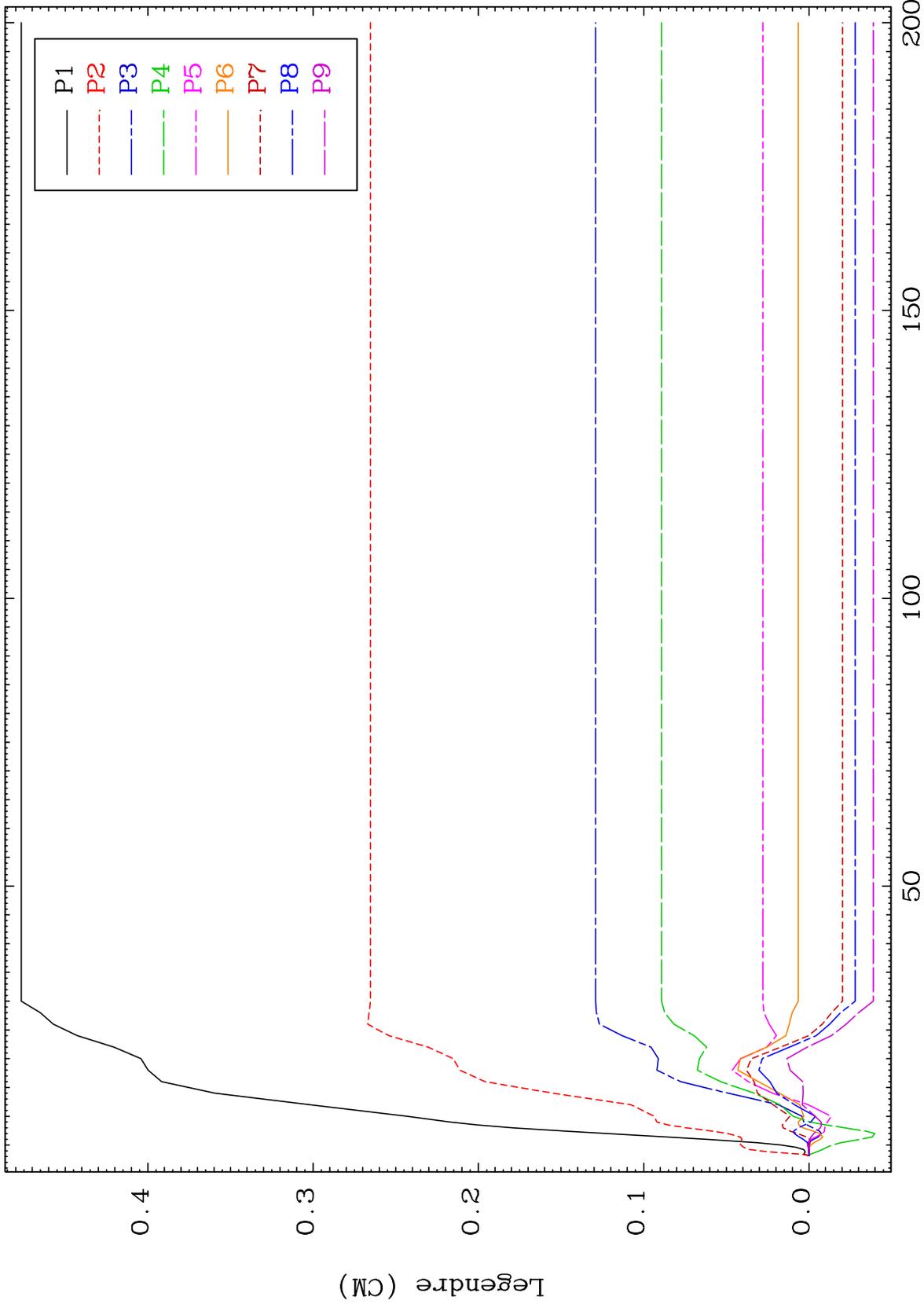
58-Ce-140



MAT 5837

3.119 MeV (n,n') Level
Legendre Coefficients

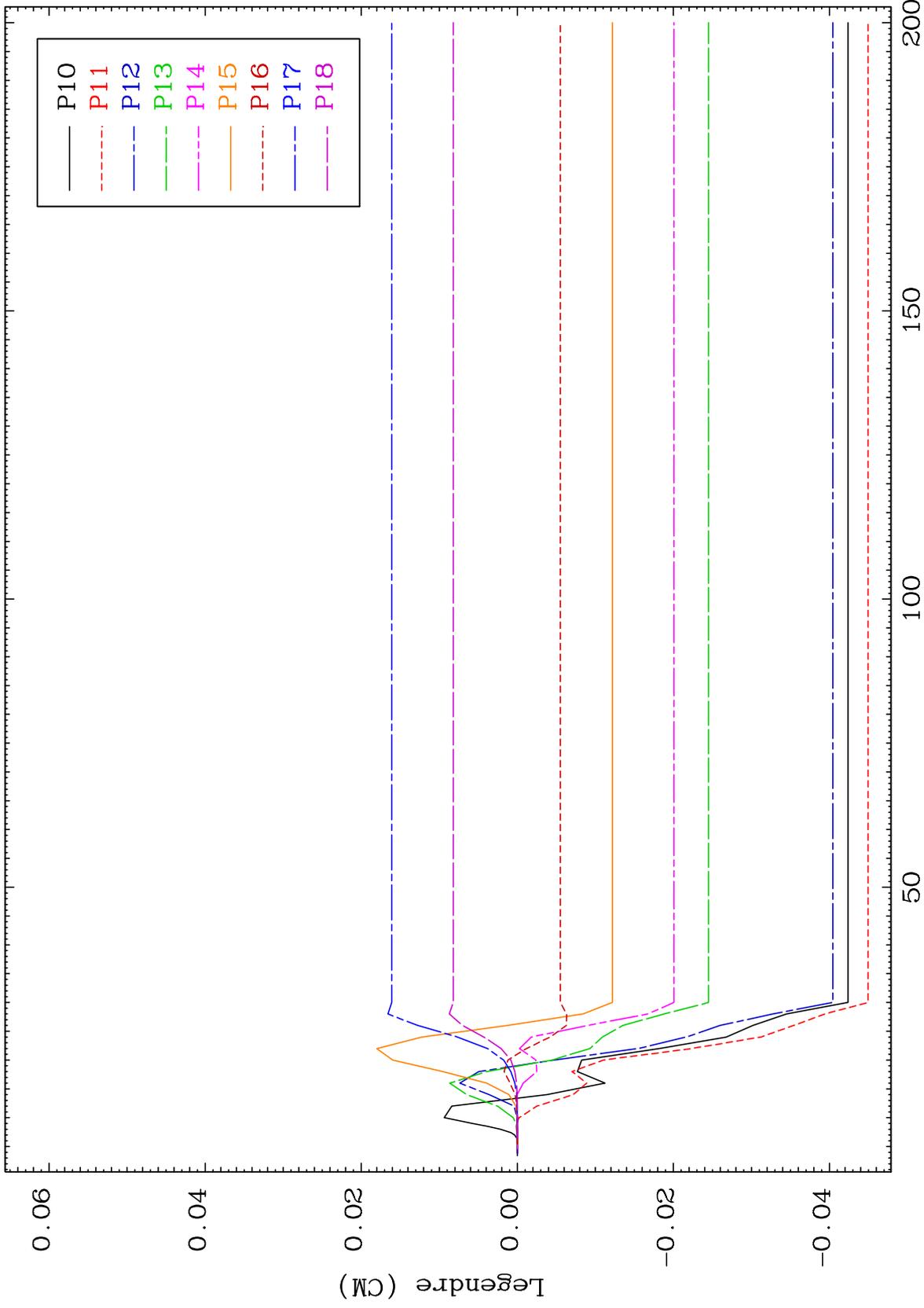
58-Ce-140

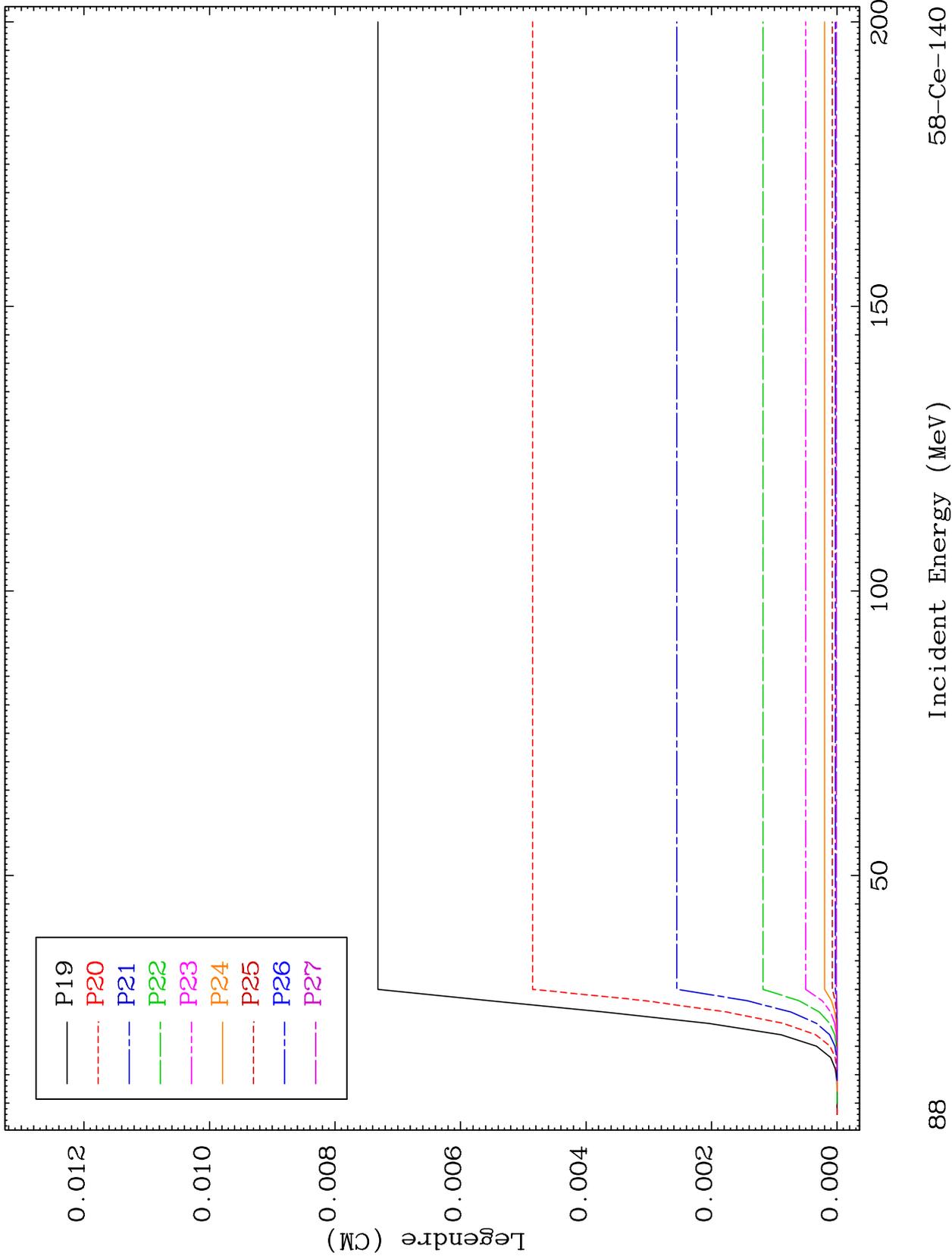


86

Incident Energy (MeV)

58-Ce-140

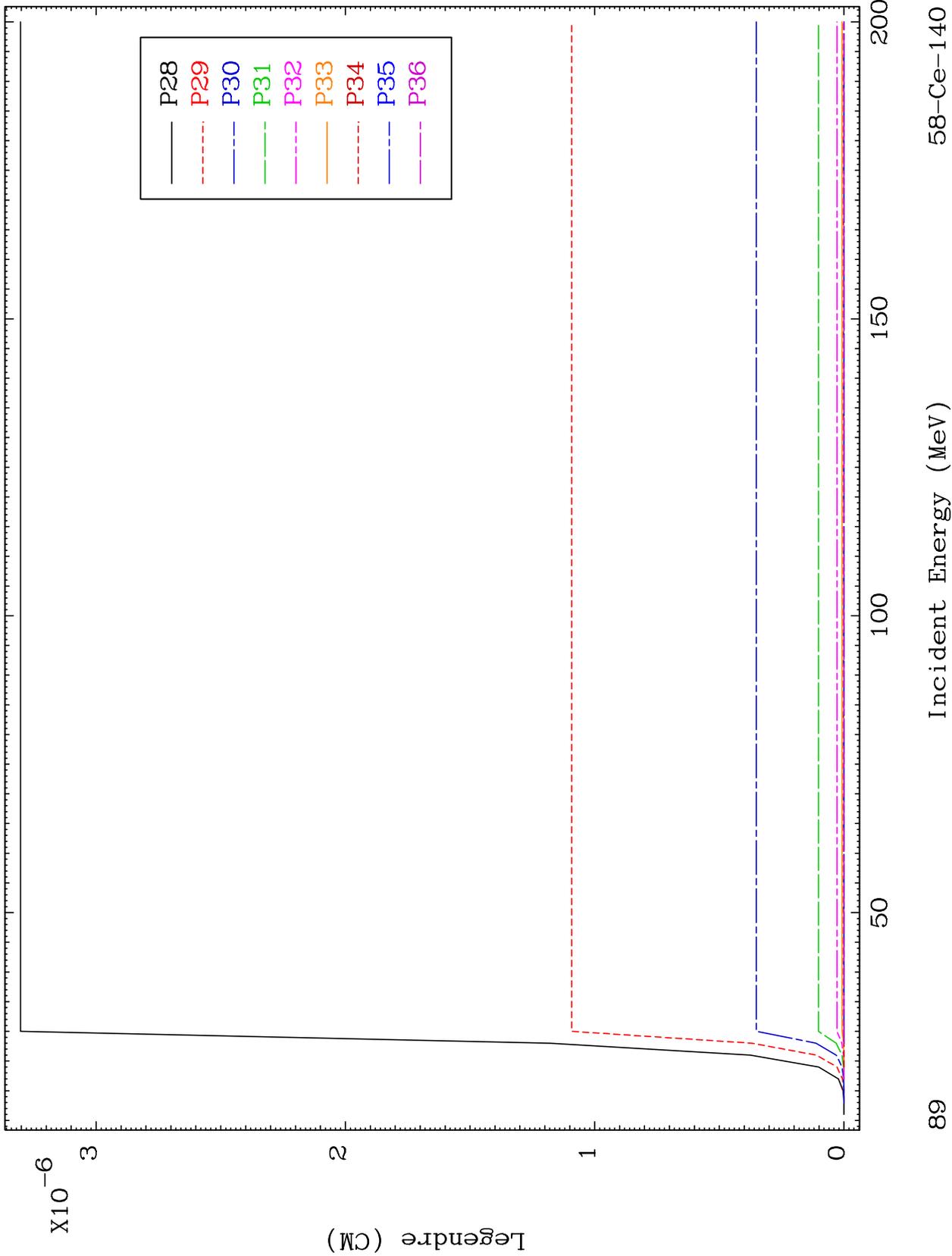




MAT 5837

3.119 MeV (n,n') Level
Legendre Coefficients

58-Ce-140



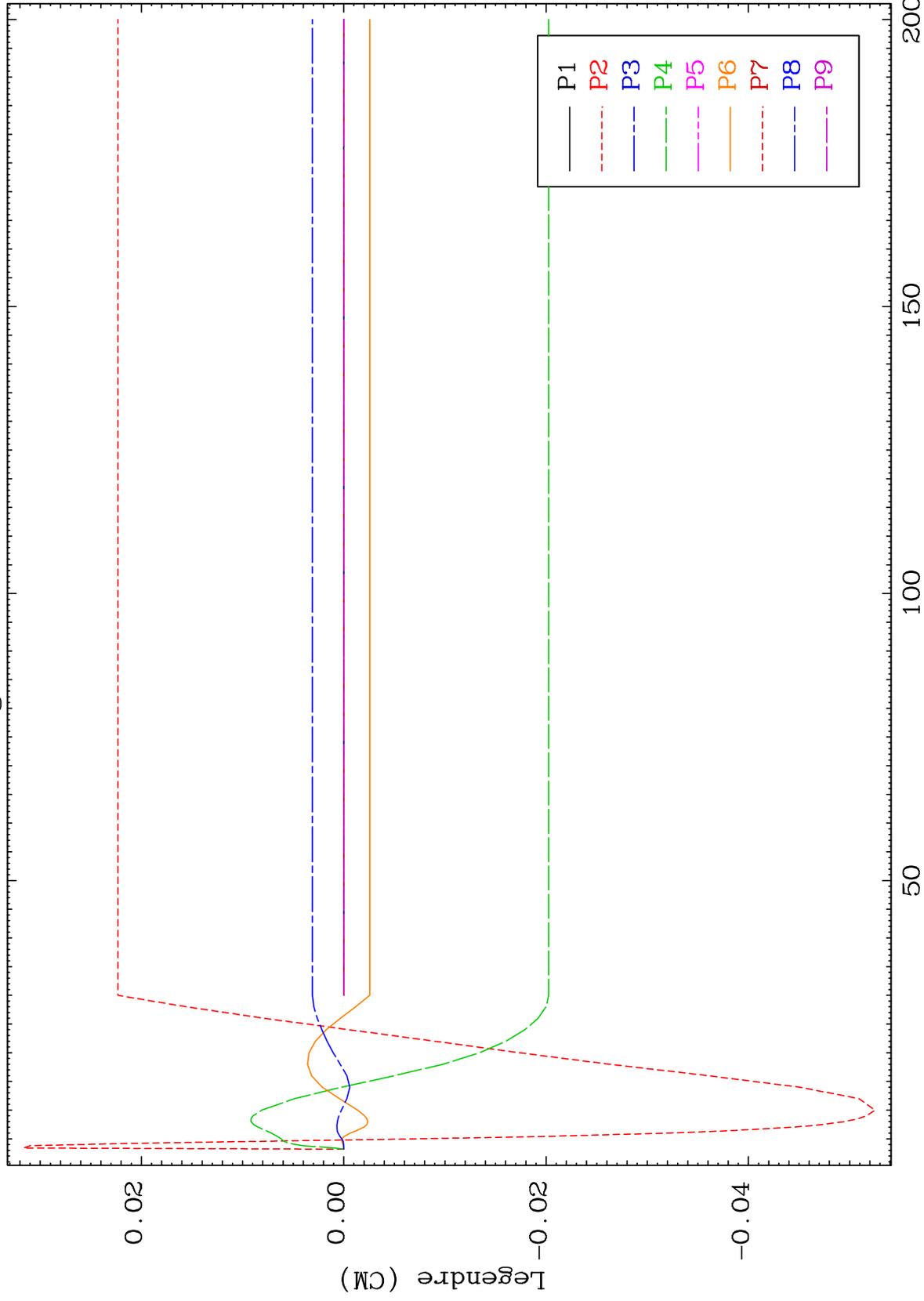
89

58-Ce-140

MAT 5837

3.168 MeV (n,n') Level
Legendre Coefficients

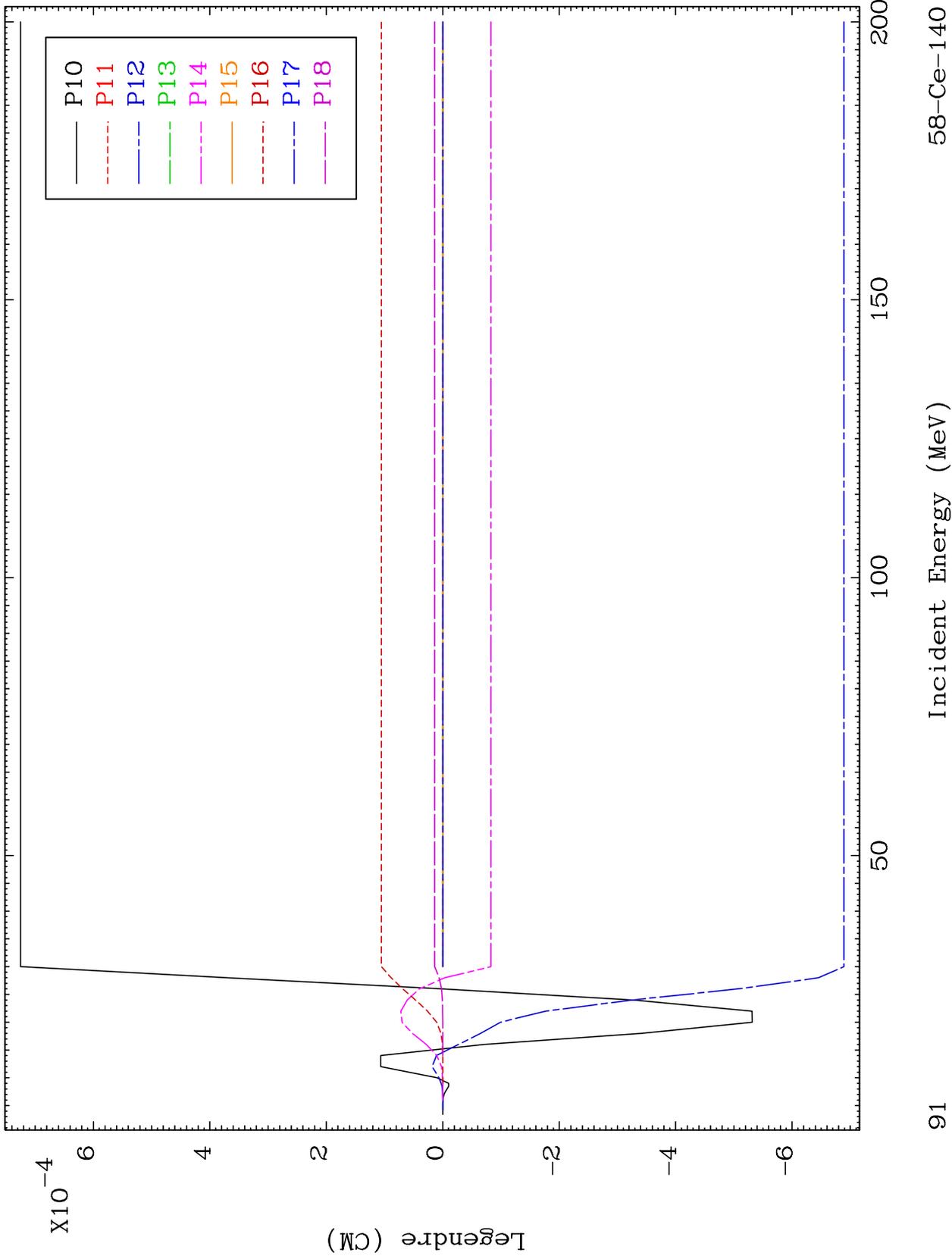
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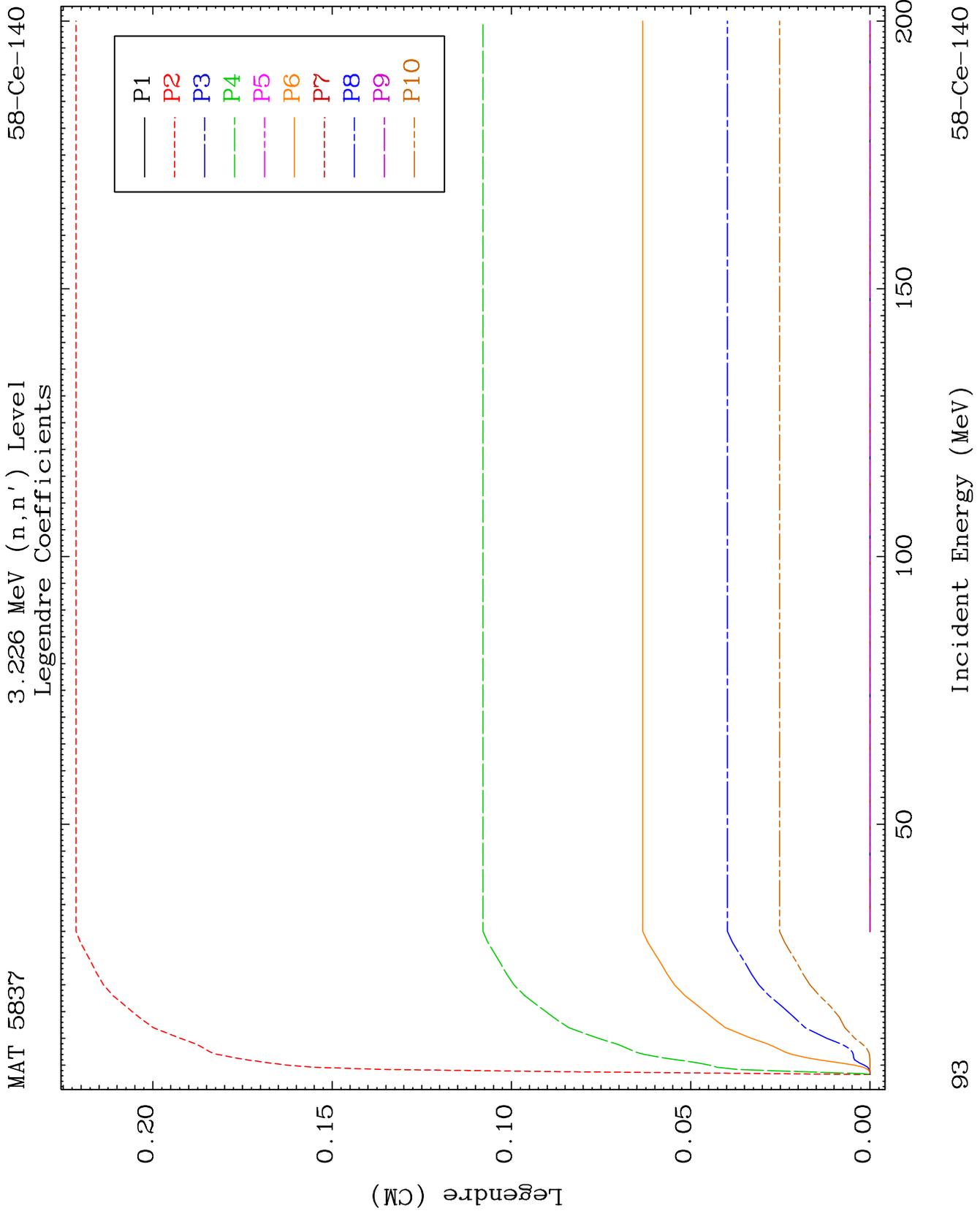


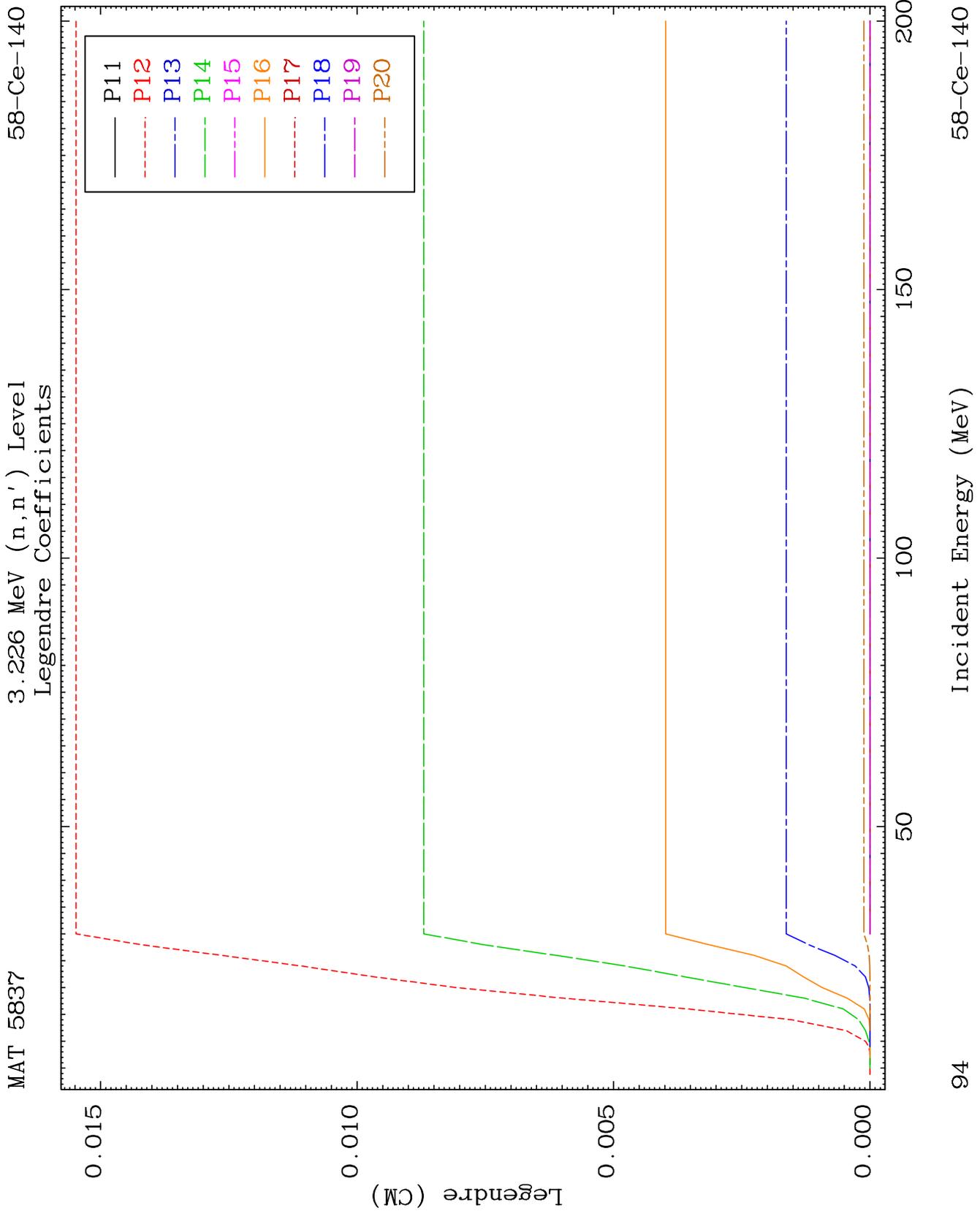
90

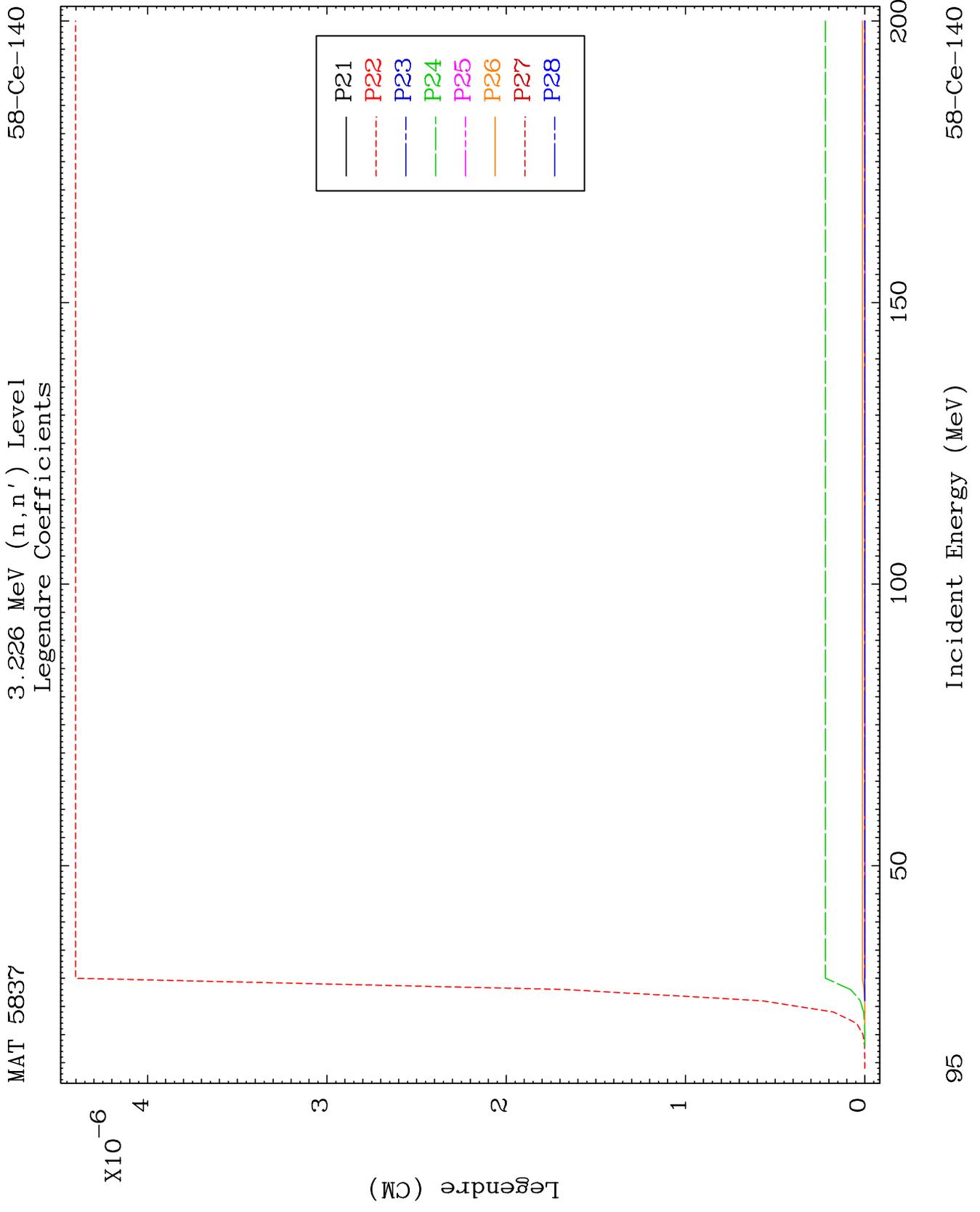
Incident Energy (MeV)

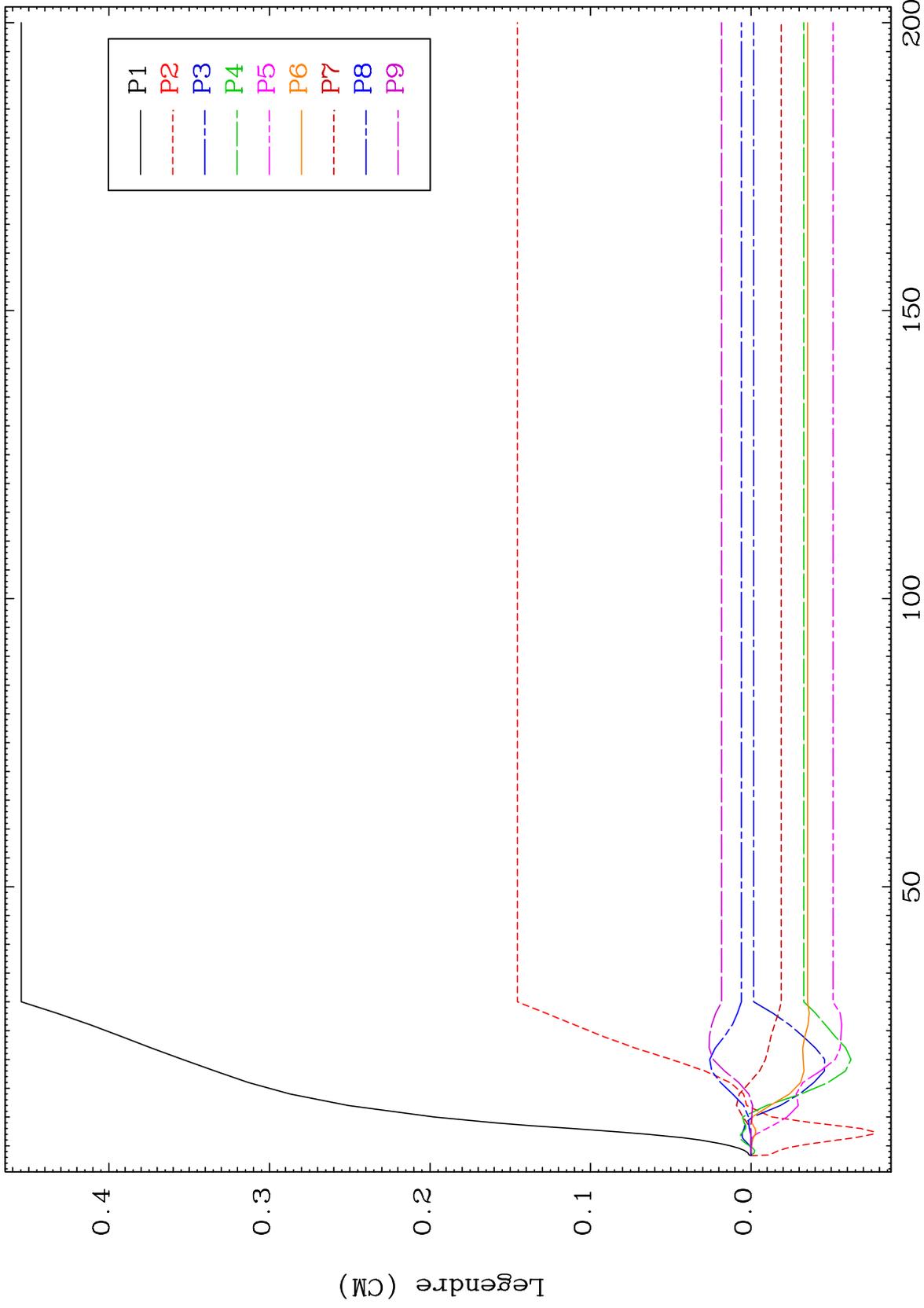
58-Ce-140

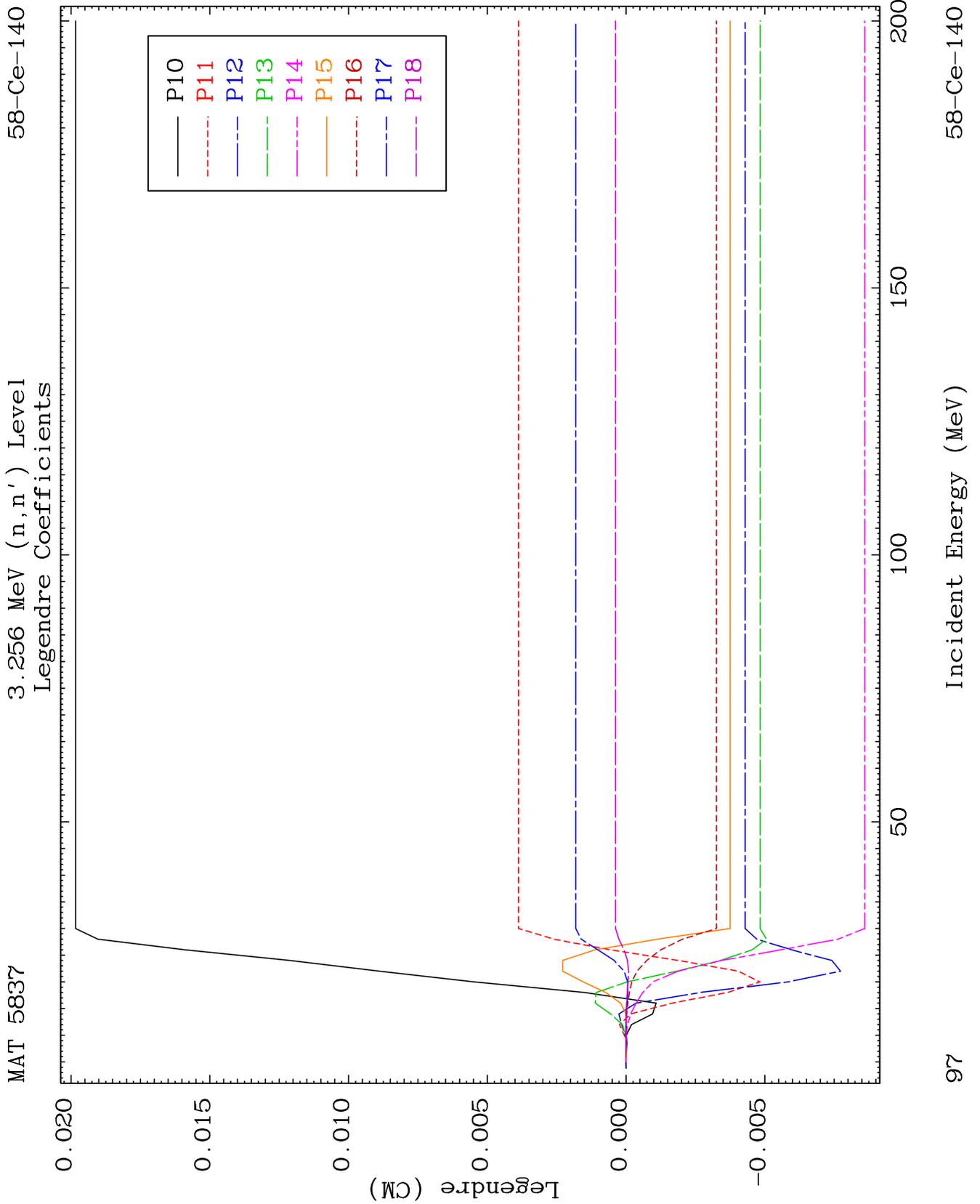


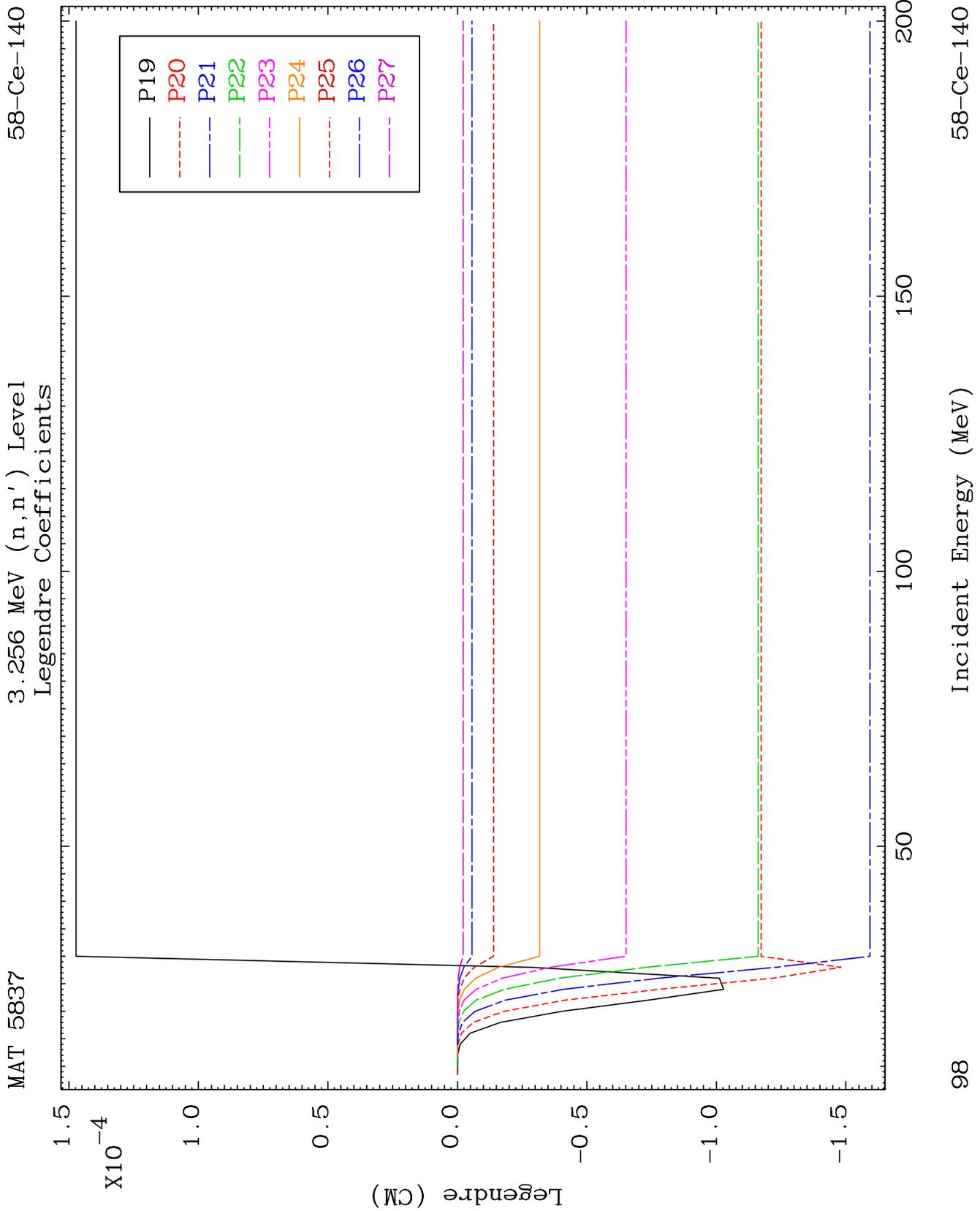


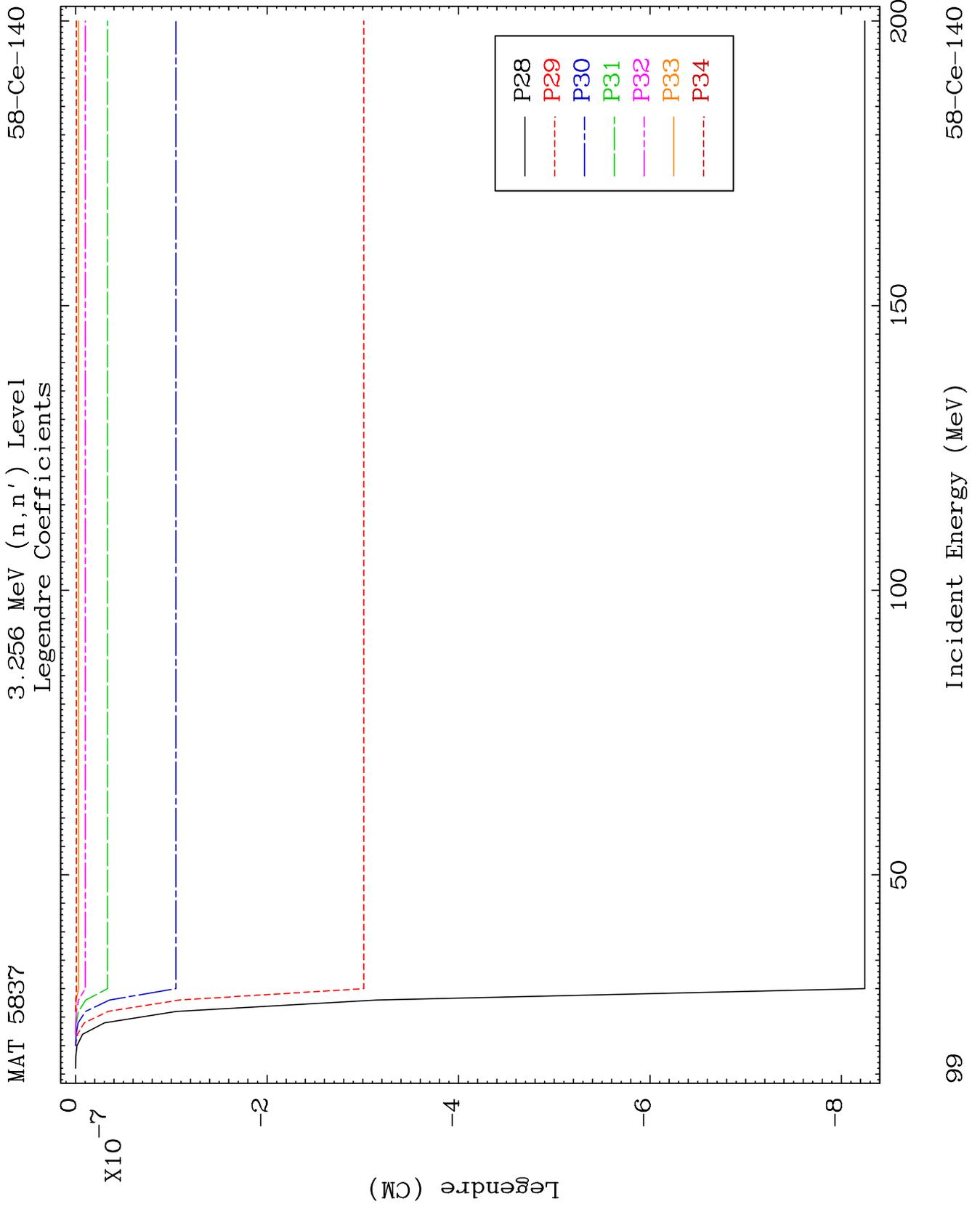








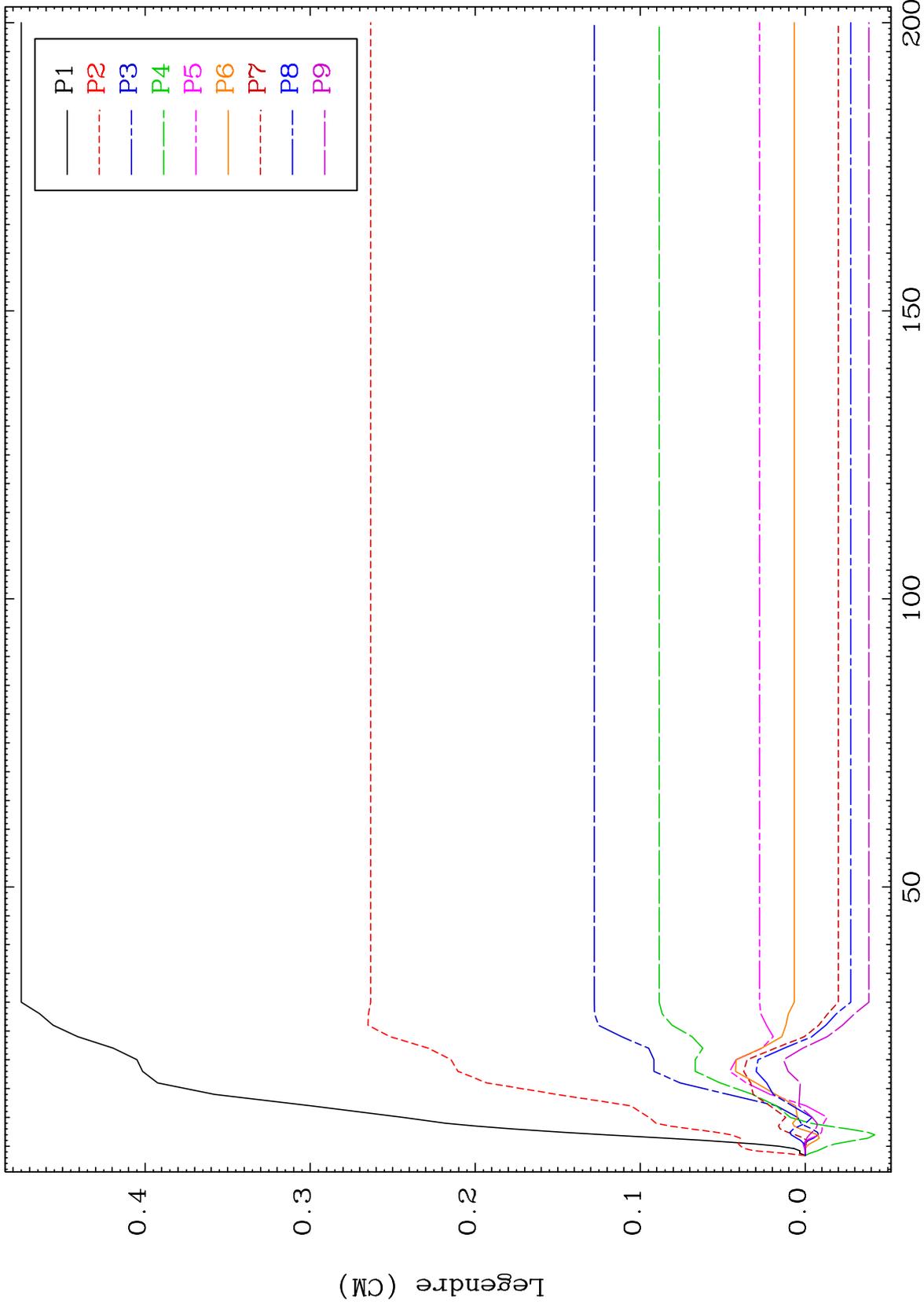




MAT 5837

3.320 MeV (n,n') Level
Legendre Coefficients

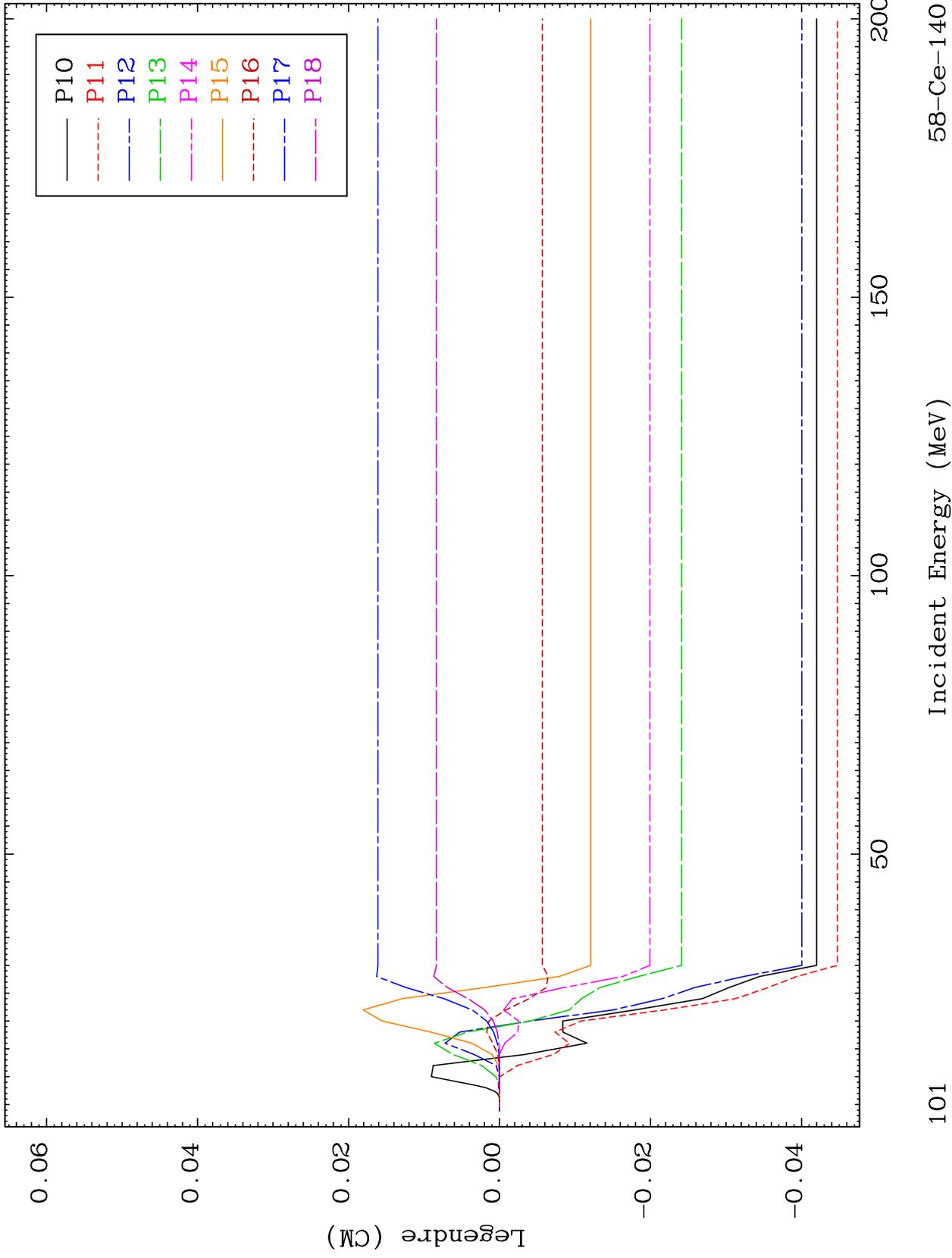
58-Ce-140

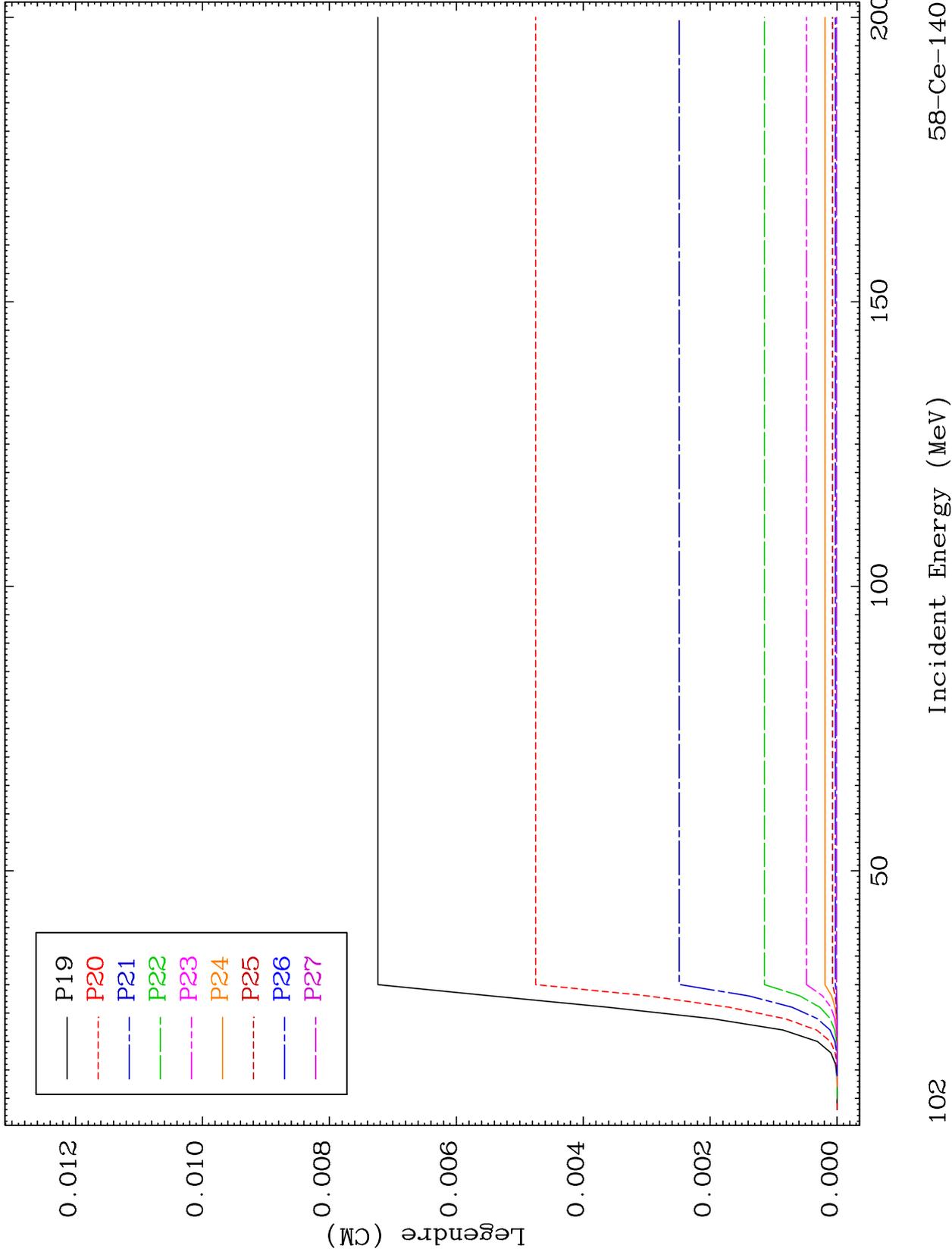


58-Ce-140

Incident Energy (MeV)

Legendre (CM)

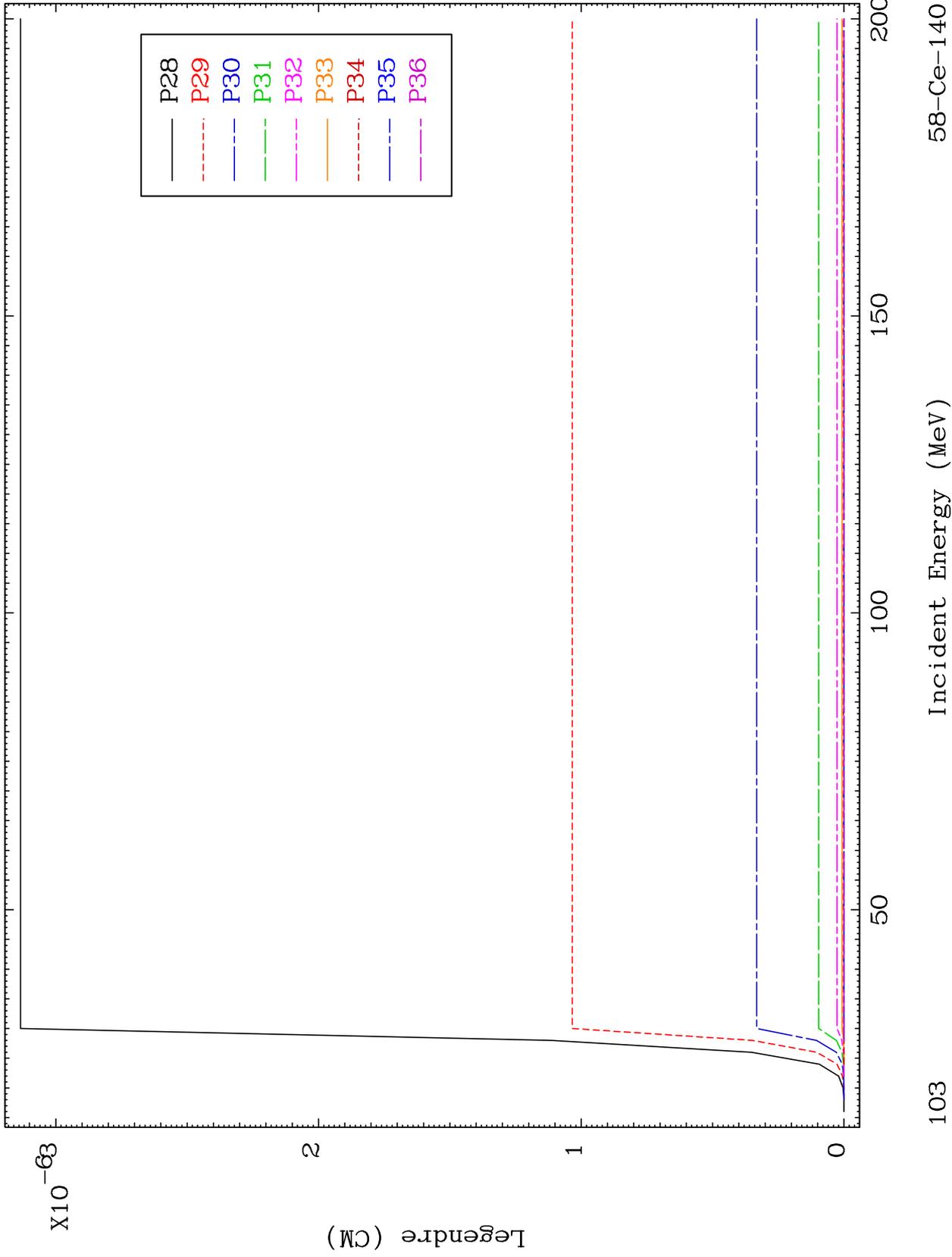




MAT 5837

3.320 MeV (n,n') Level
Legendre Coefficients

58-Ce-140



103

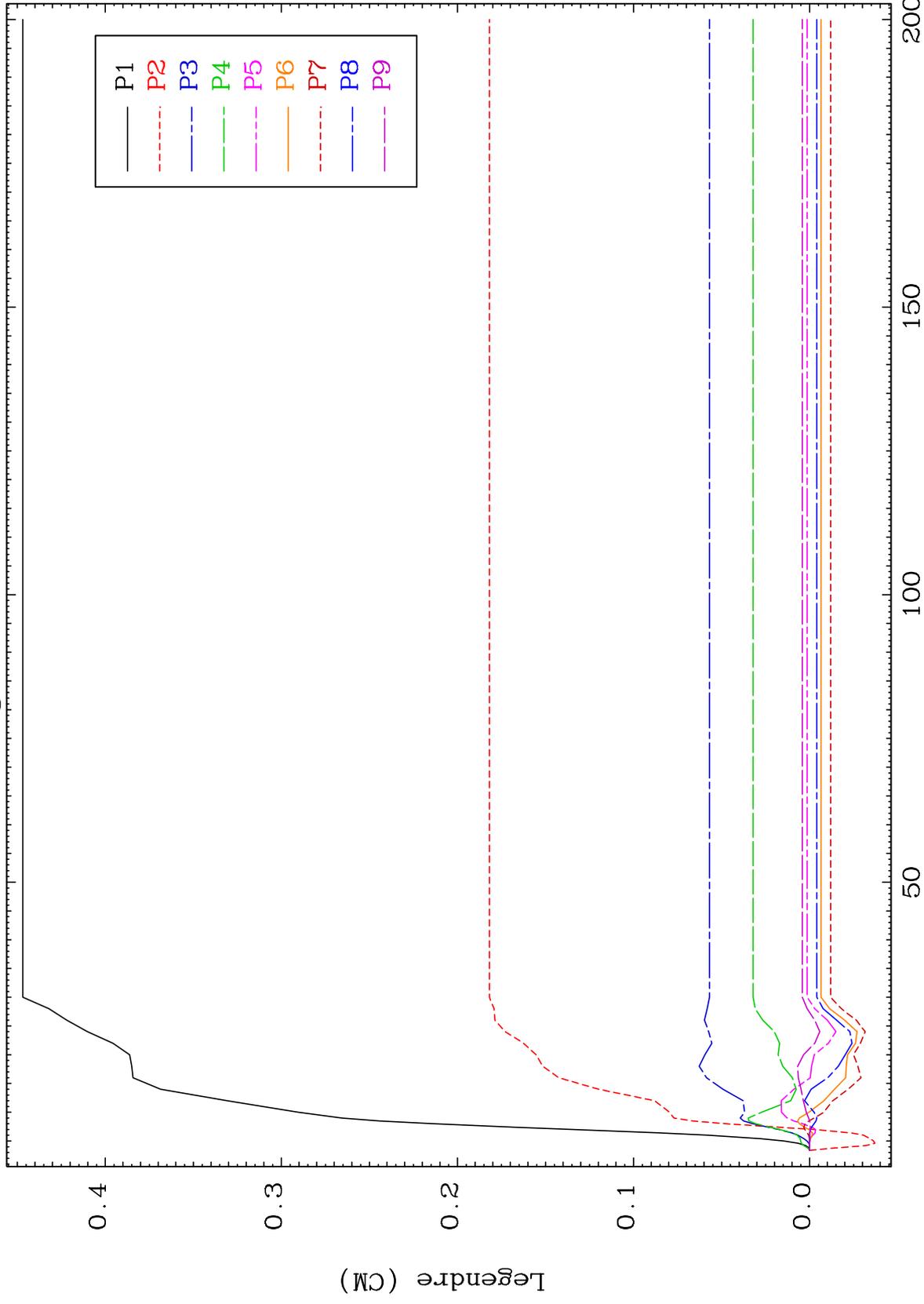
Incident Energy (MeV)

58-Ce-140

MAT 5837

3.331 MeV (n,n') Level
Legendre Coefficients

58-Ce-140



104

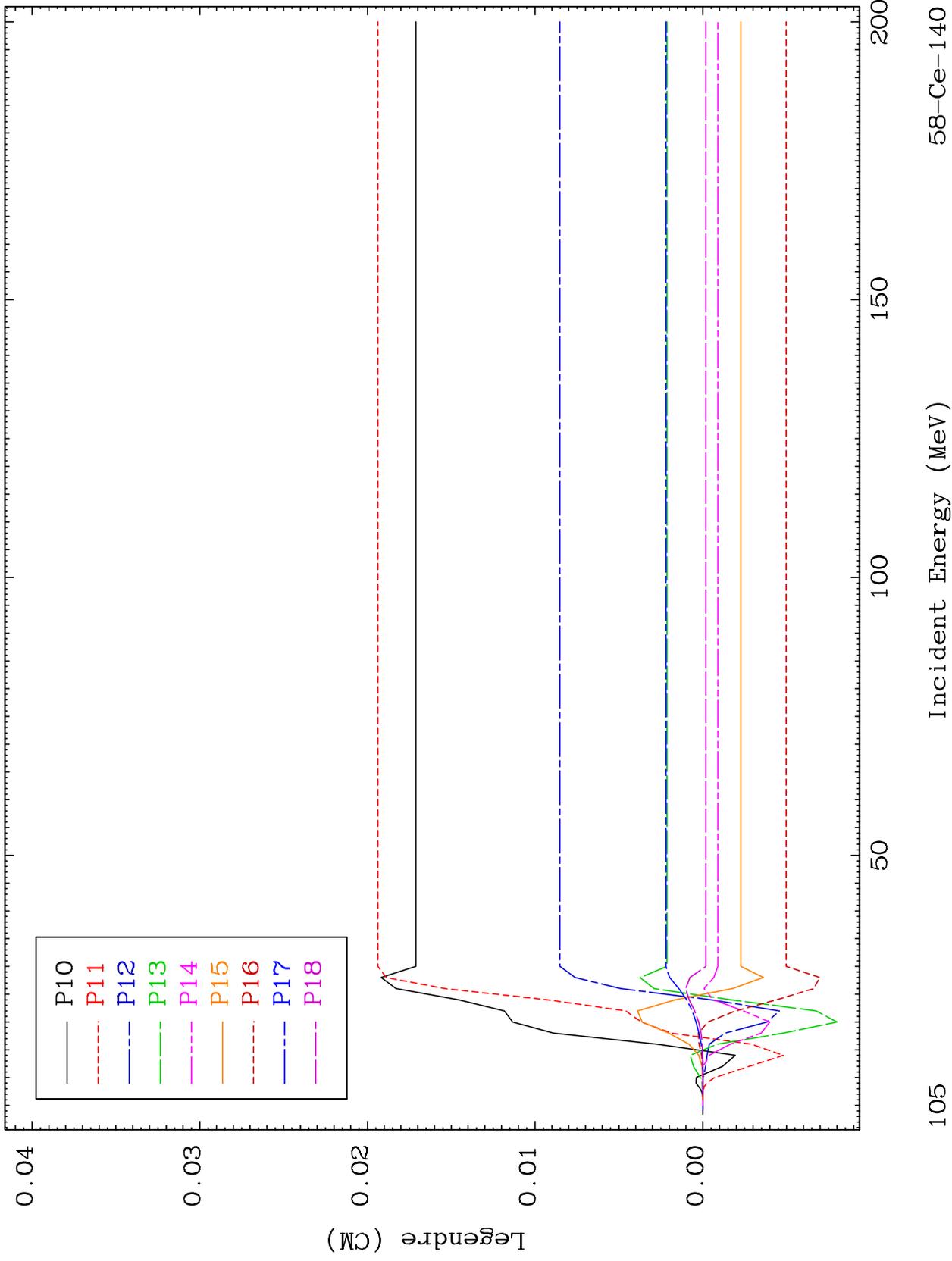
Incident Energy (MeV)

58-Ce-140

MAT 5837

3.331 MeV (n, n') Level
Legendre Coefficients

58-Ce-140



105

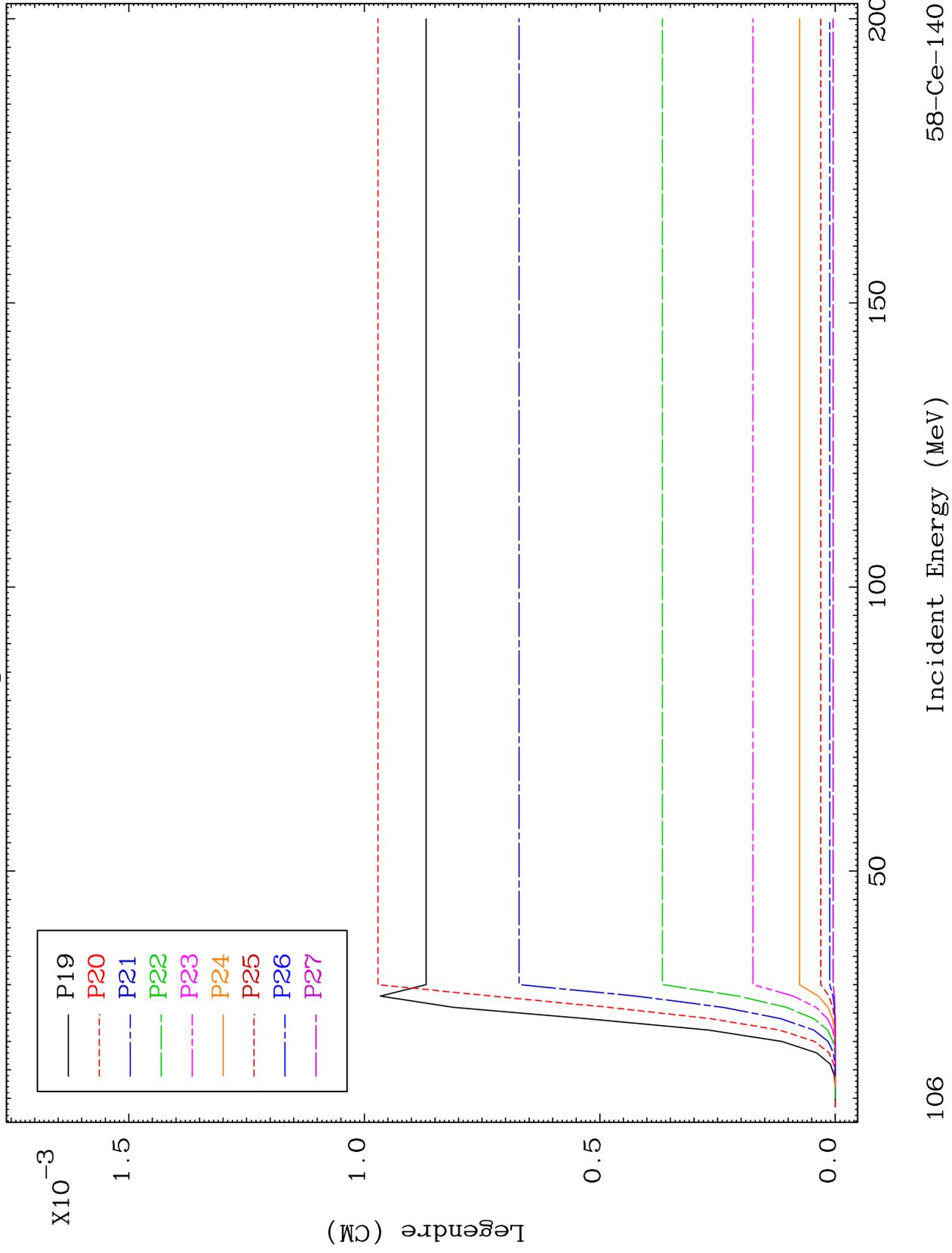
Incident Energy (MeV)

58-Ce-140

MAT 5837

3.331 MeV (n, n') Level
Legendre Coefficients

58-Ce-140



106

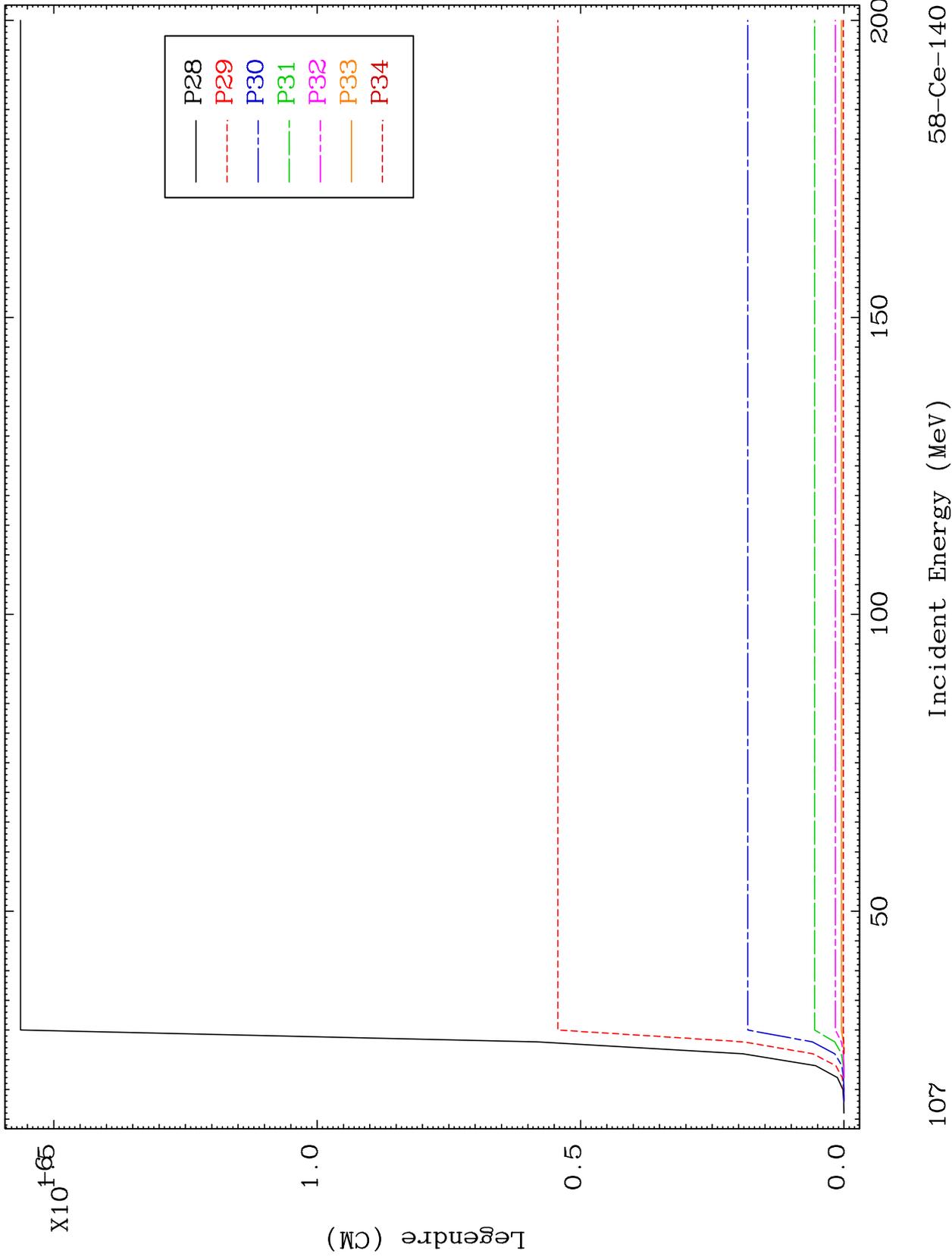
Incident Energy (MeV)

58-Ce-140

MAT 5837

3.331 MeV (n,n') Level
Legendre Coefficients

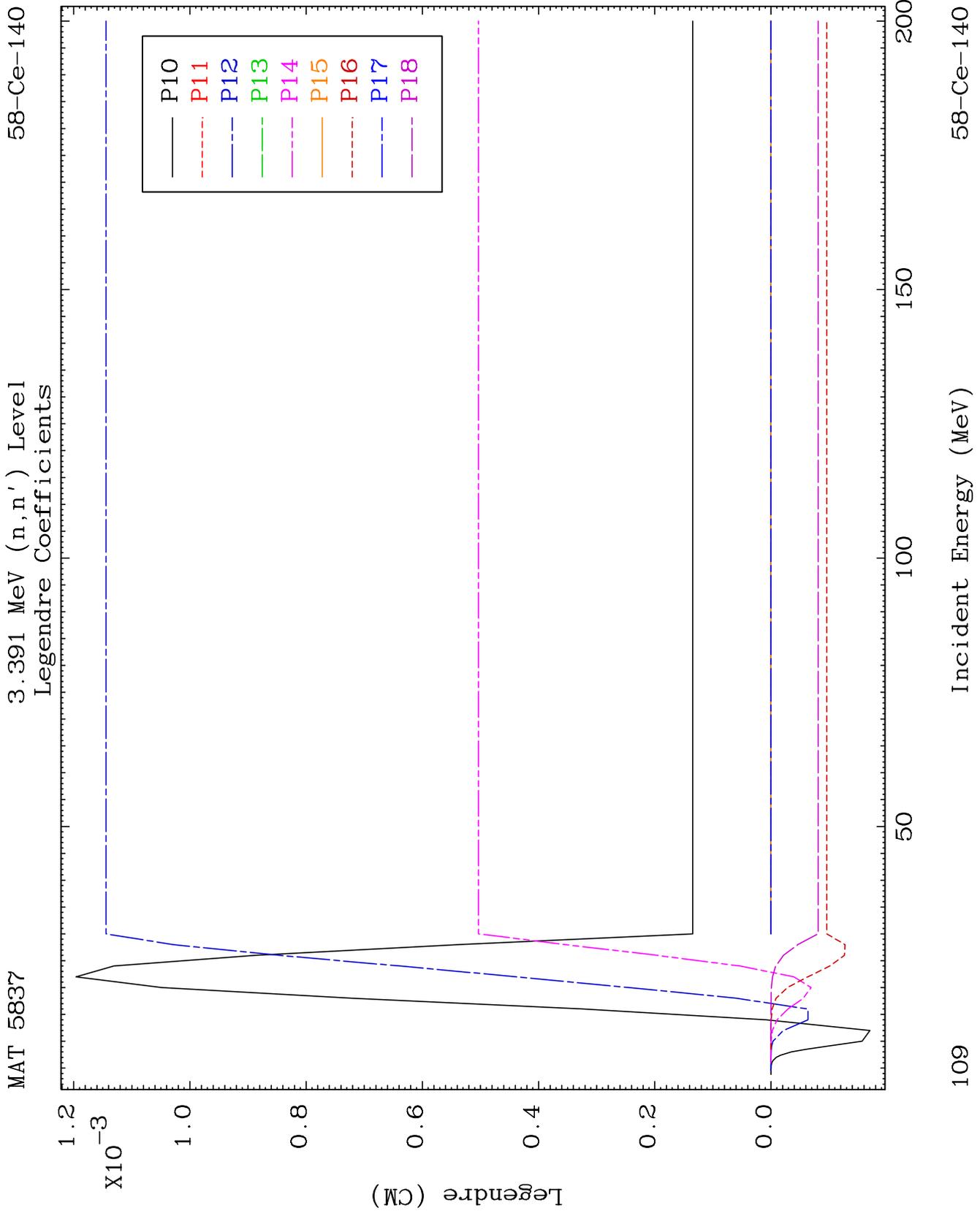
58-Ce-140

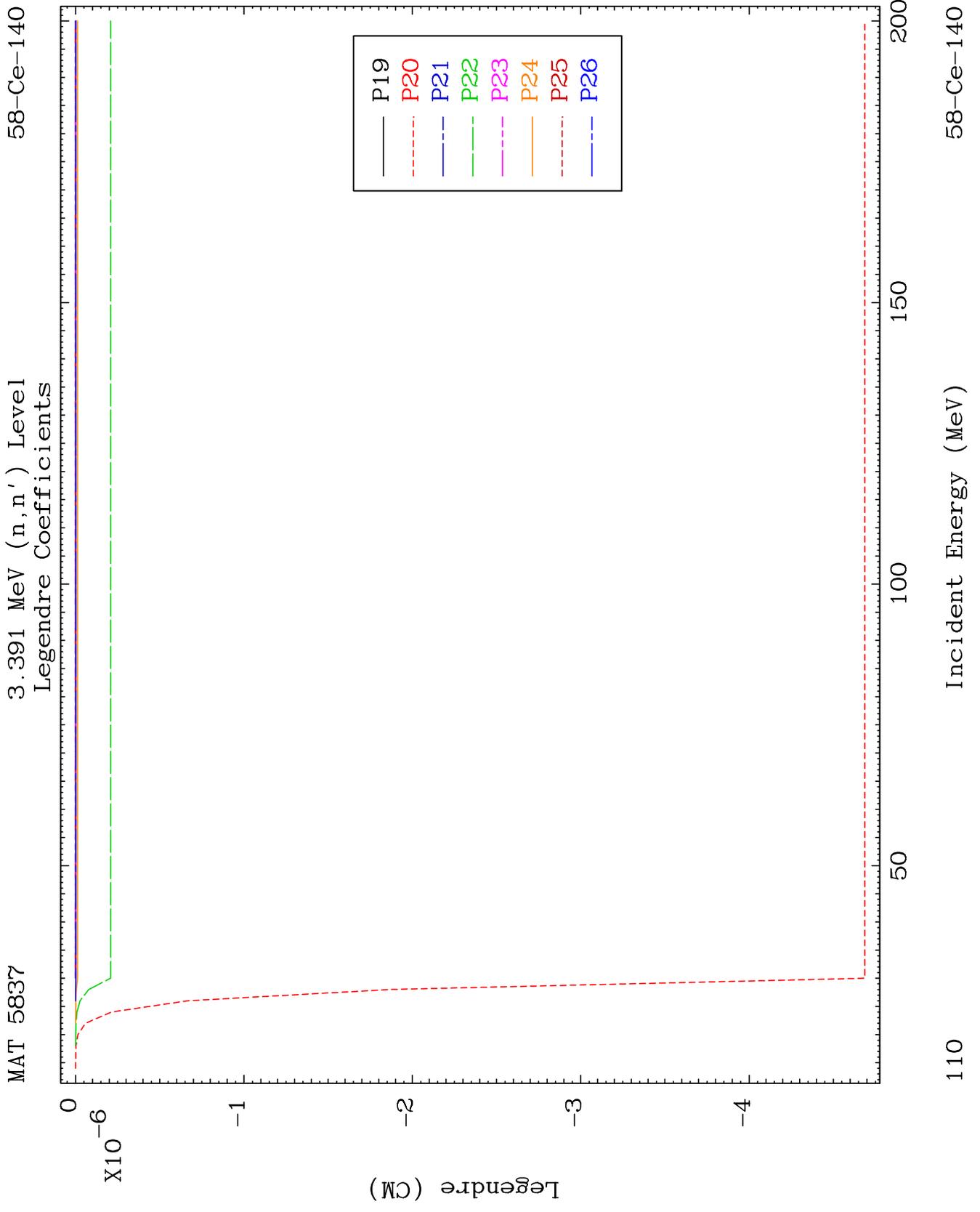


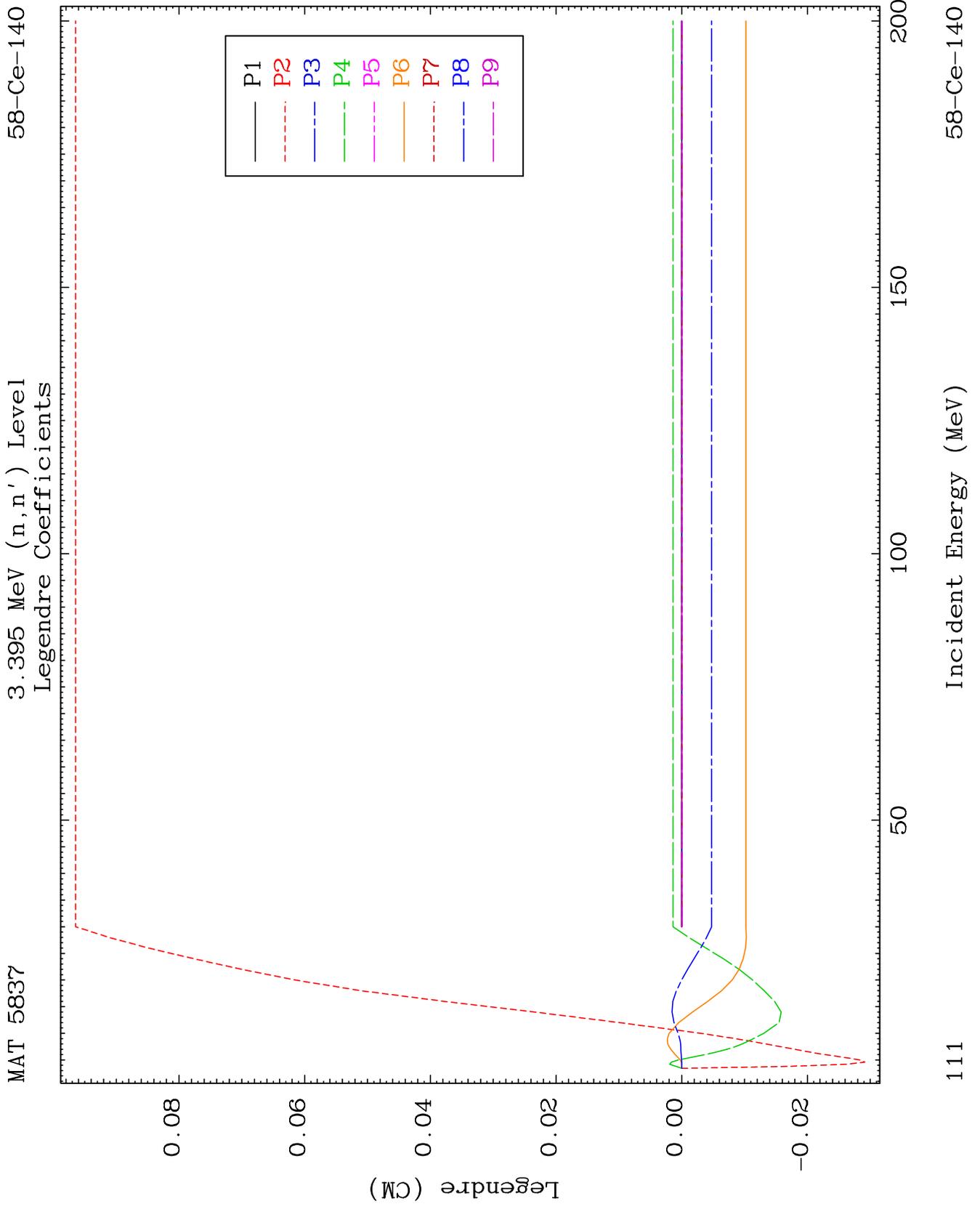
107

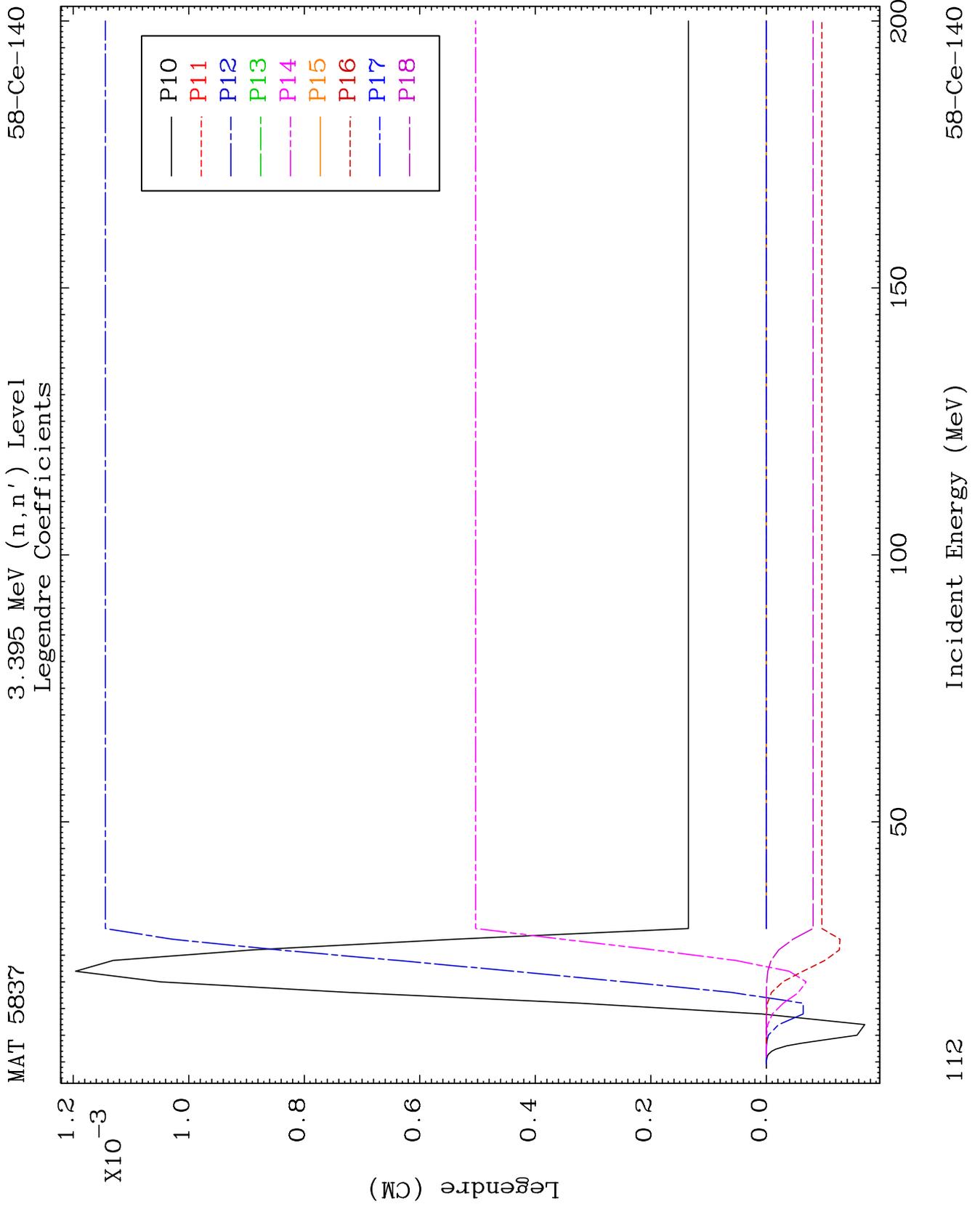
Incident Energy (MeV)

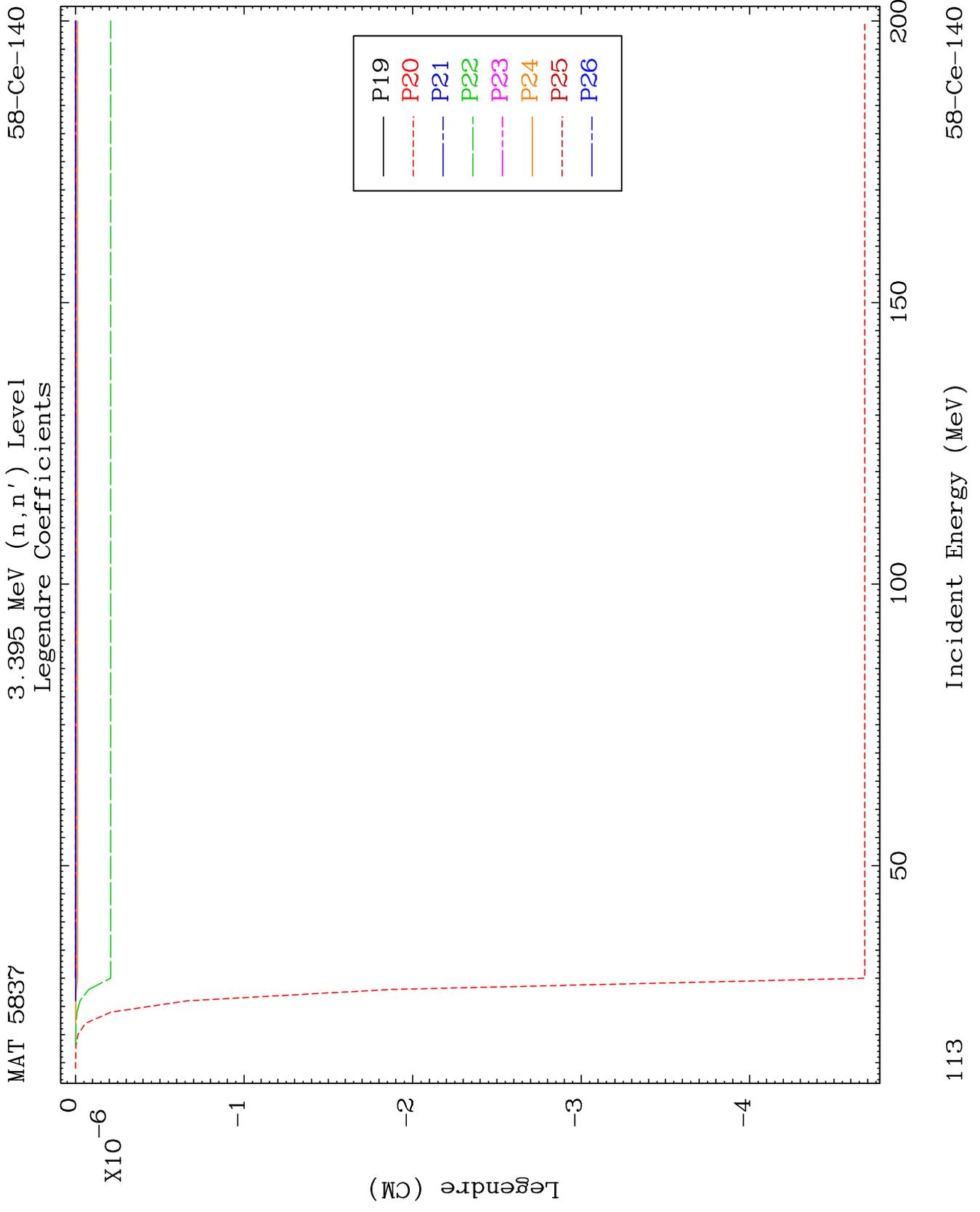
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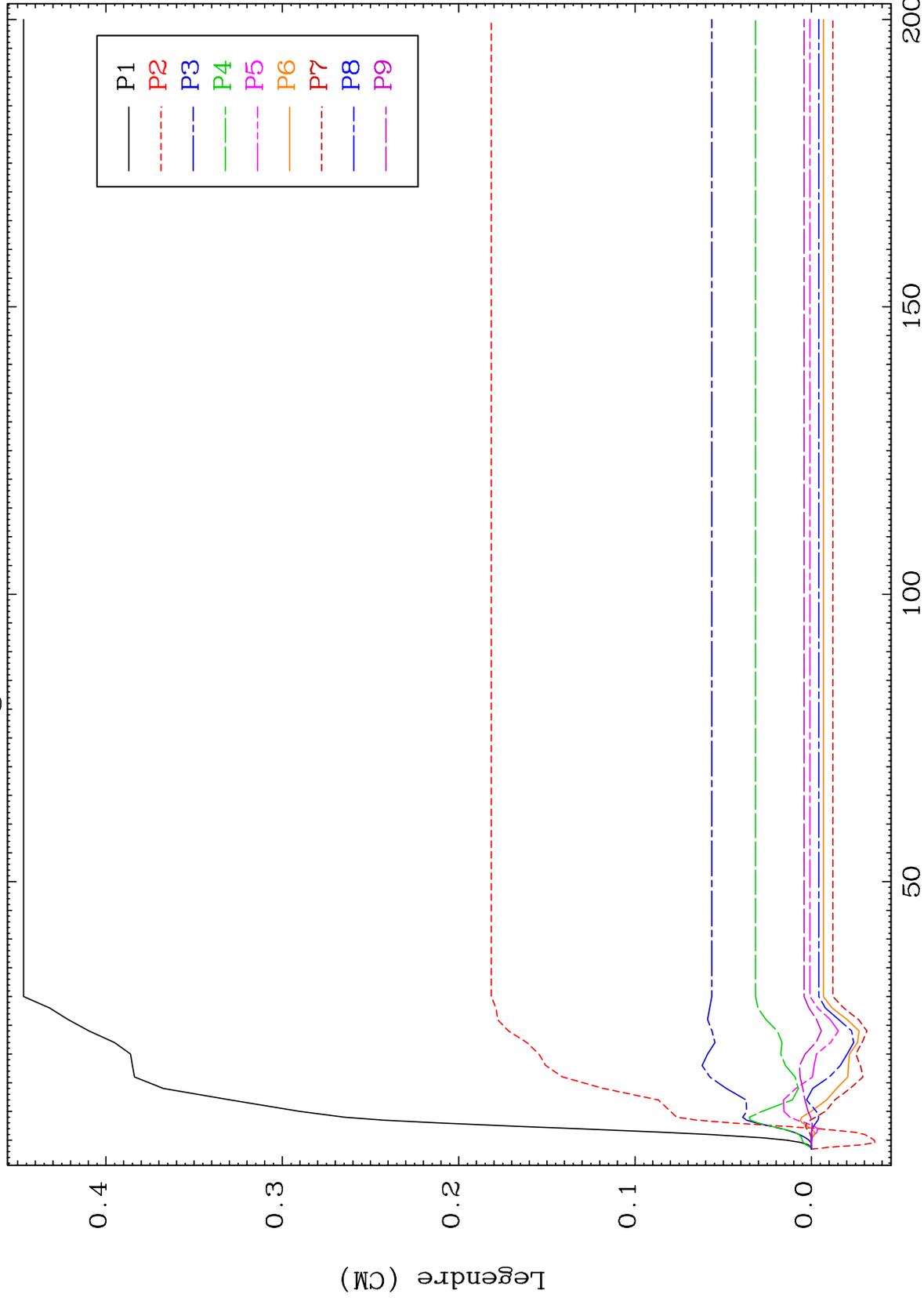




MAT 5837

3.410 MeV (n,n') Level
Legendre Coefficients

58-Ce-140



114

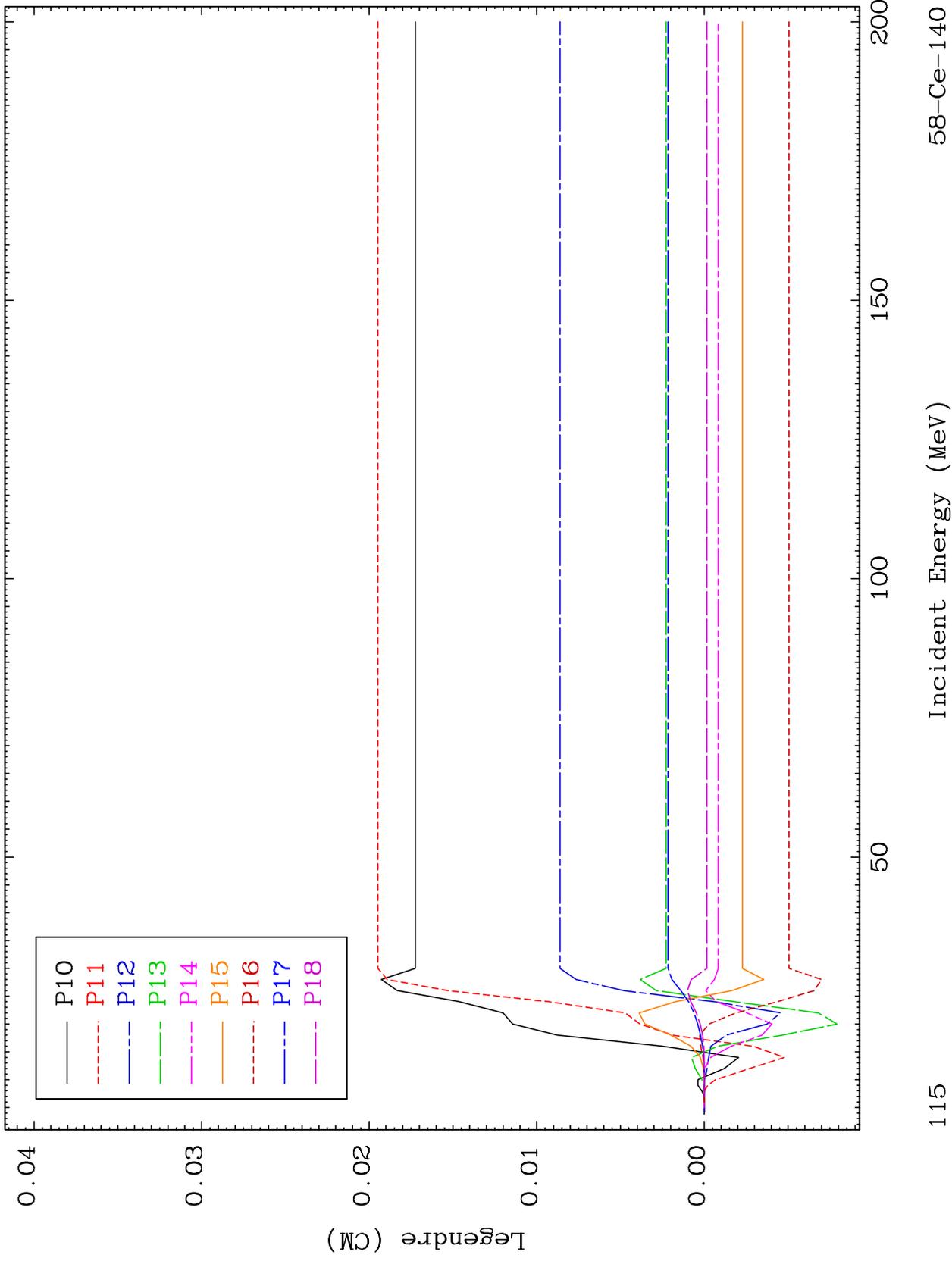
Incident Energy (MeV)

58-Ce-140

MAT 5837

3.410 MeV (n, n') Level
Legendre Coefficients

58-Ce-140



115

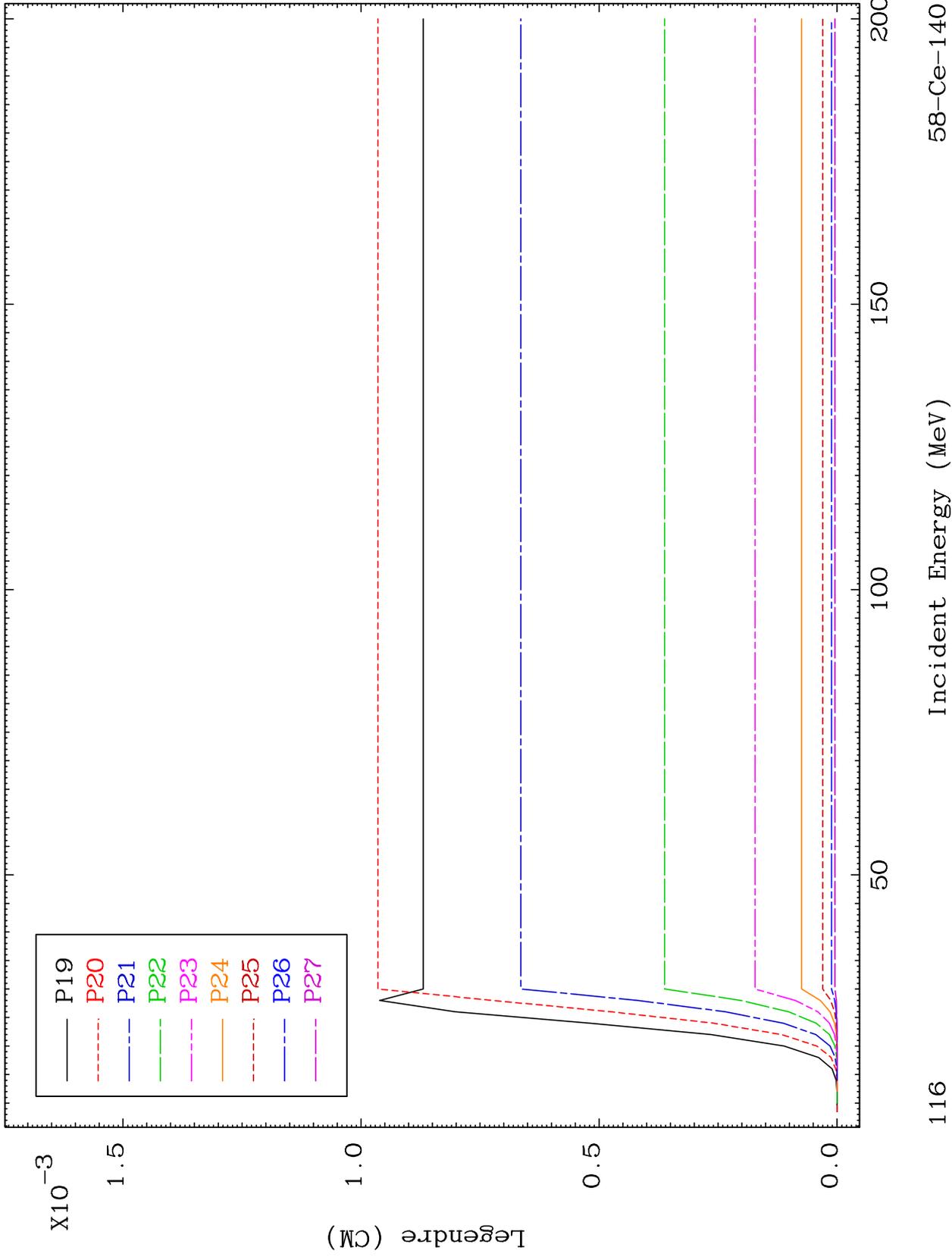
Incident Energy (MeV)

58-Ce-140

MAT 5837

3.410 MeV (n,n') Level
Legendre Coefficients

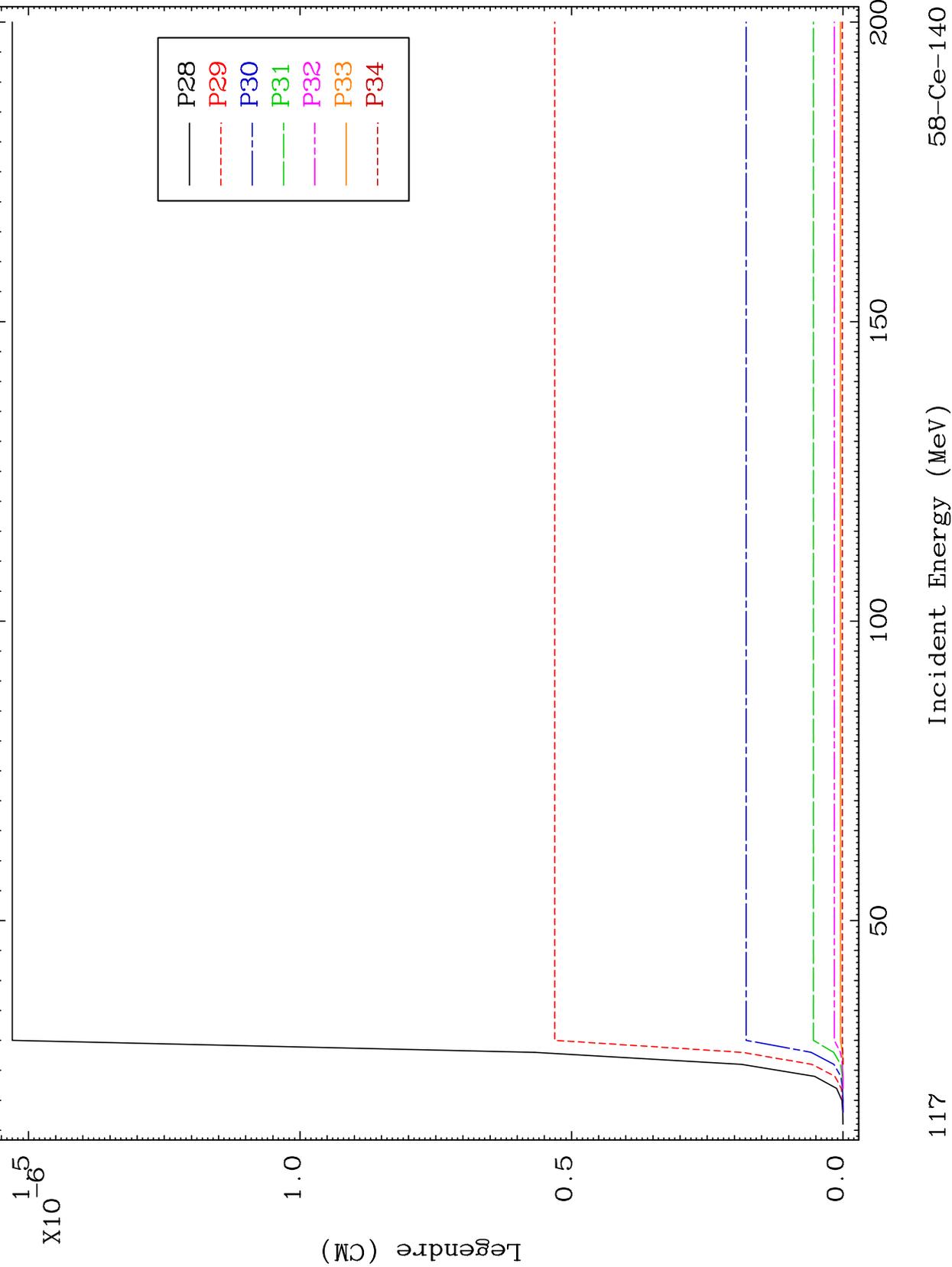
58-Ce-140



MAT 5837

3.410 MeV (n,n') Level
Legendre Coefficients

58-Ce-140



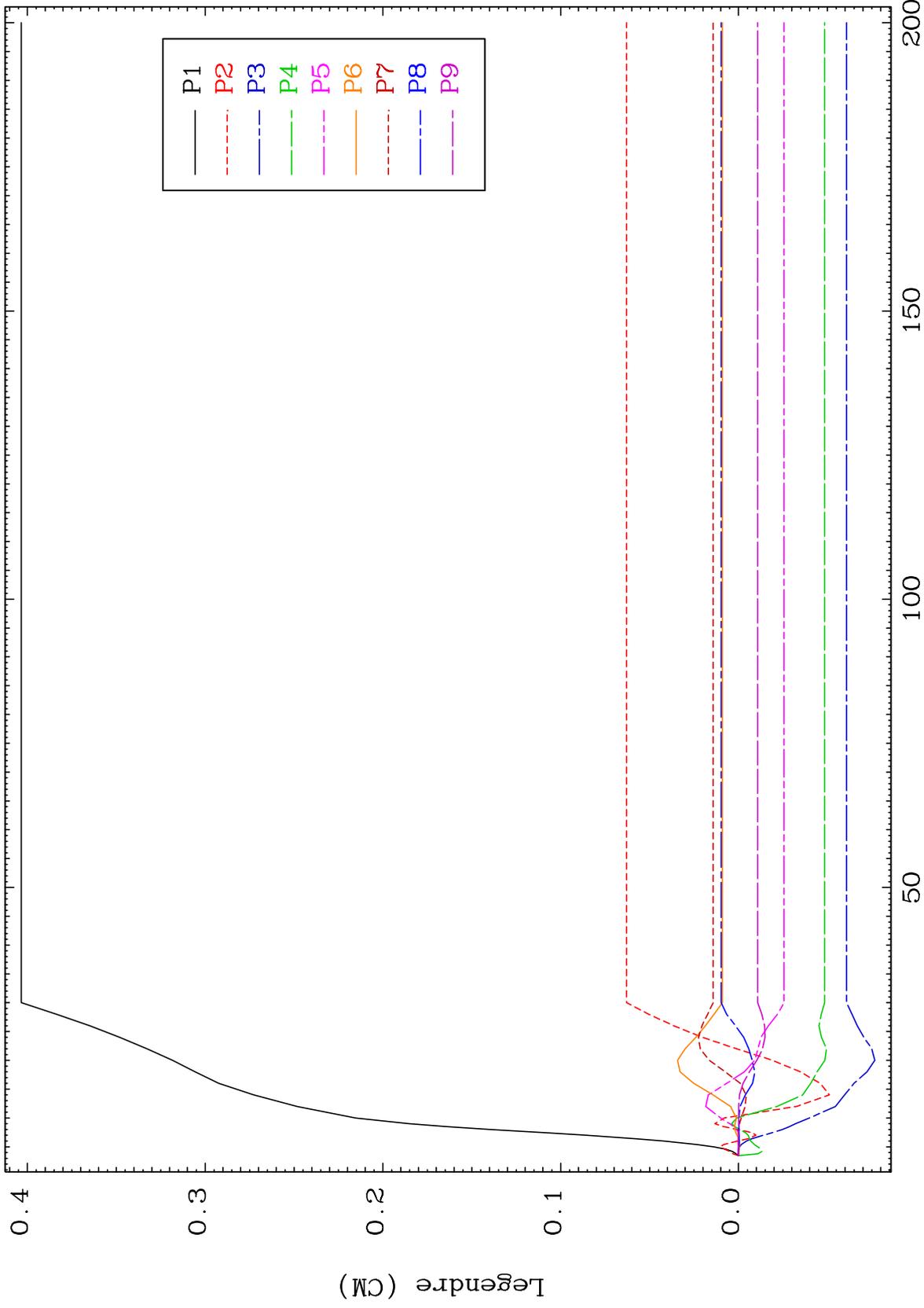
117

58-Ce-140

MAT 5837

3.425 MeV (n,n') Level
Legendre Coefficients

58-Ce-140



118

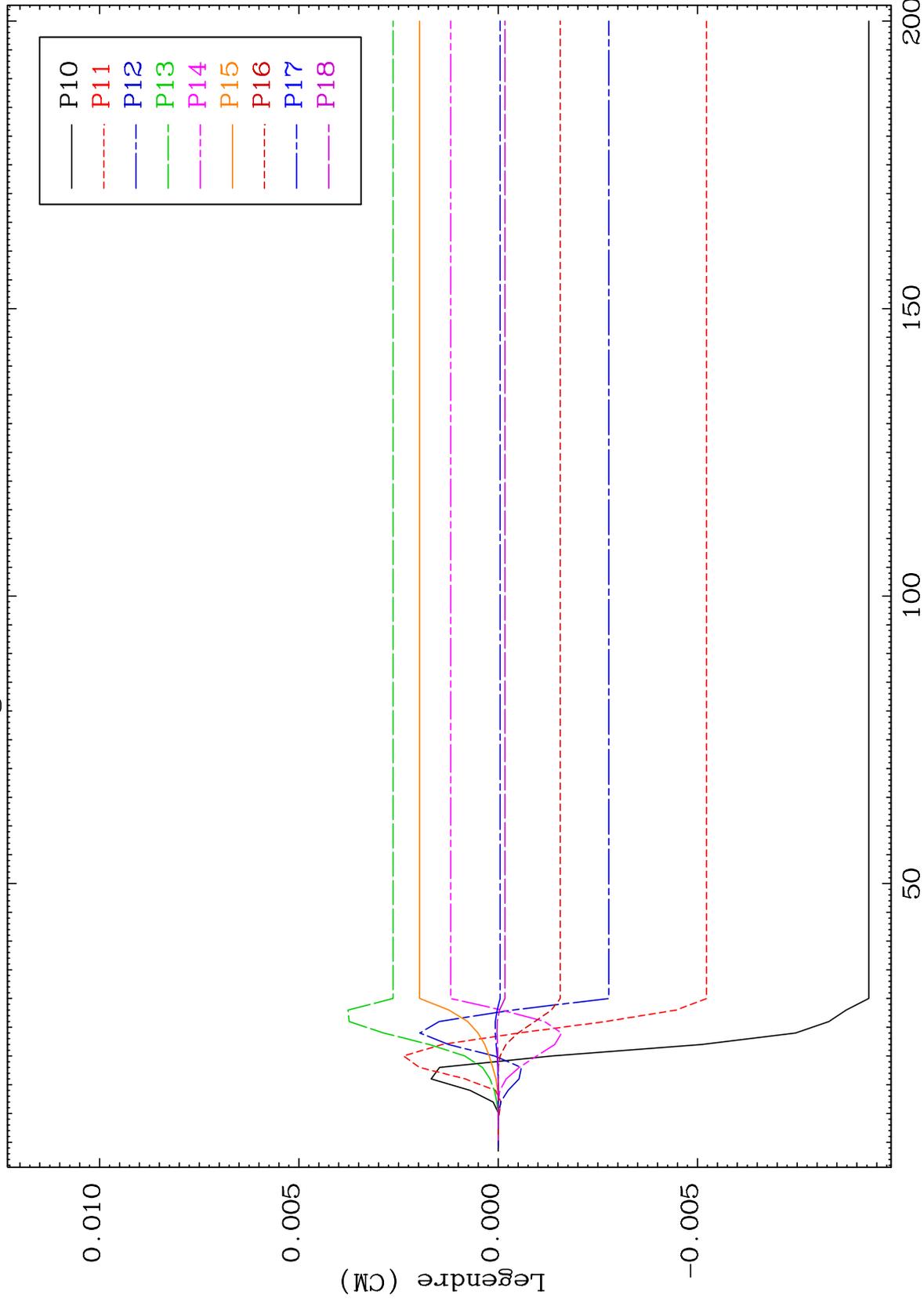
Incident Energy (MeV)

58-Ce-140

MAT 5837

3.425 MeV (n,n') Level
Legendre Coefficients

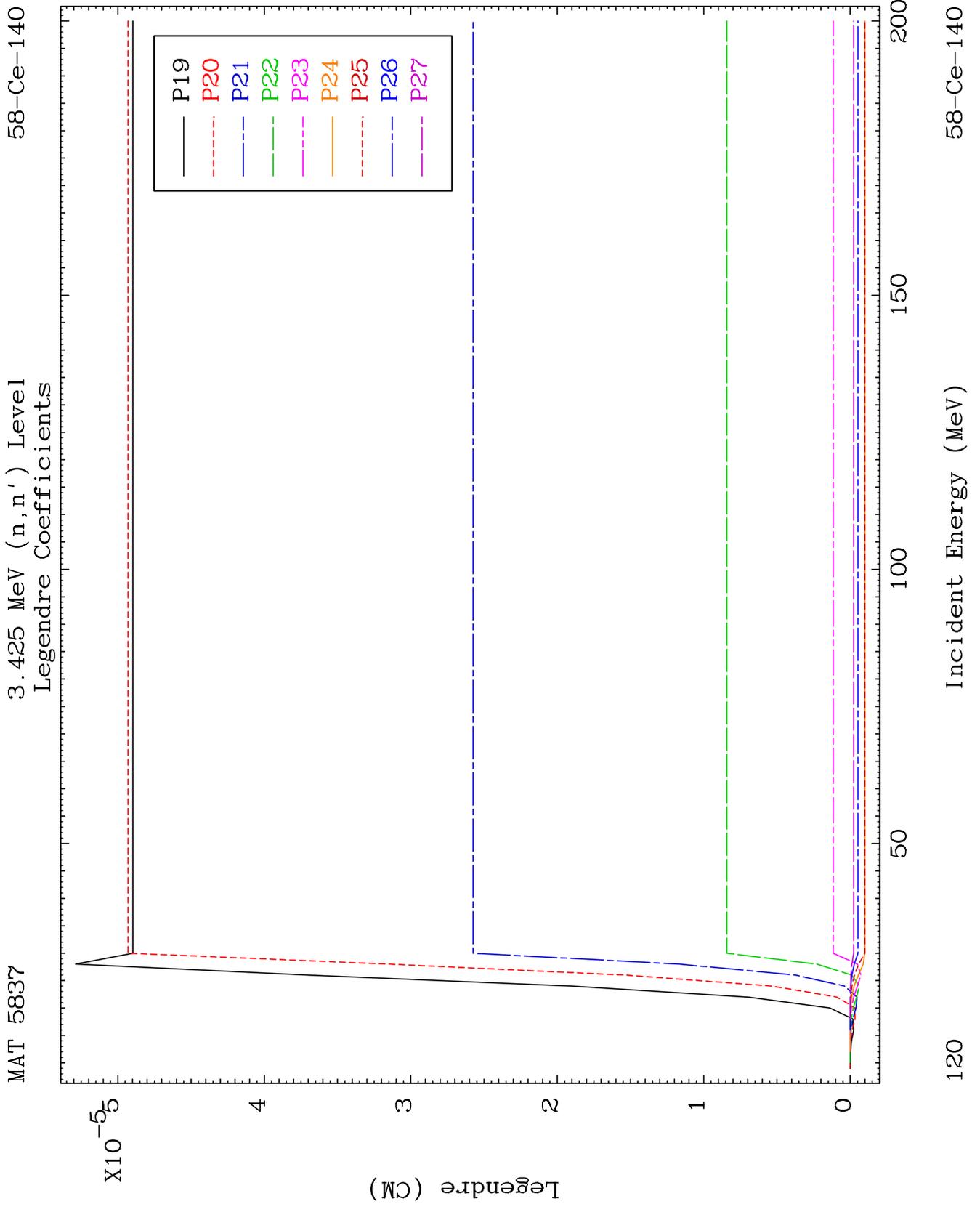
58-Ce-140

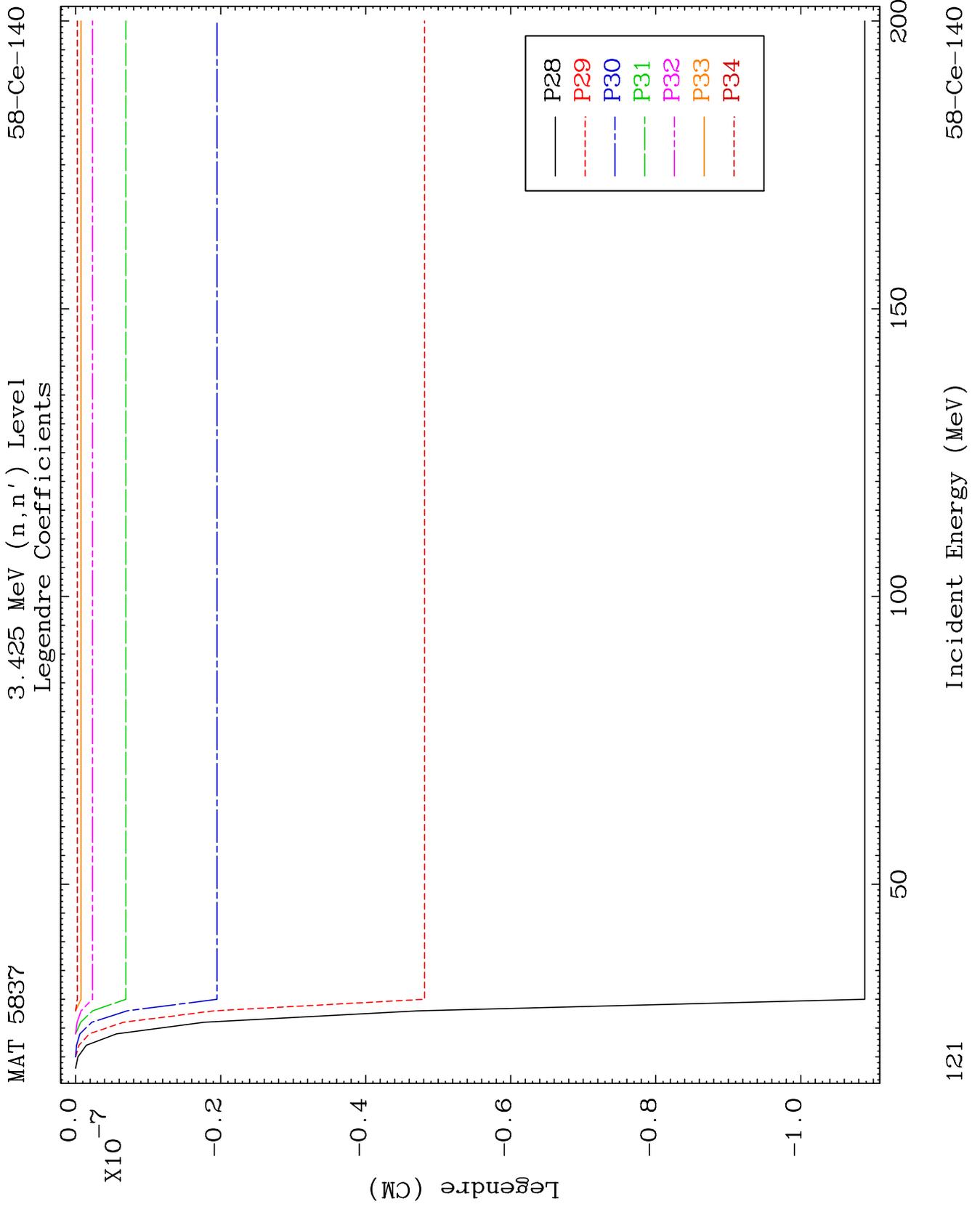


119

Incident Energy (MeV)

58-Ce-140

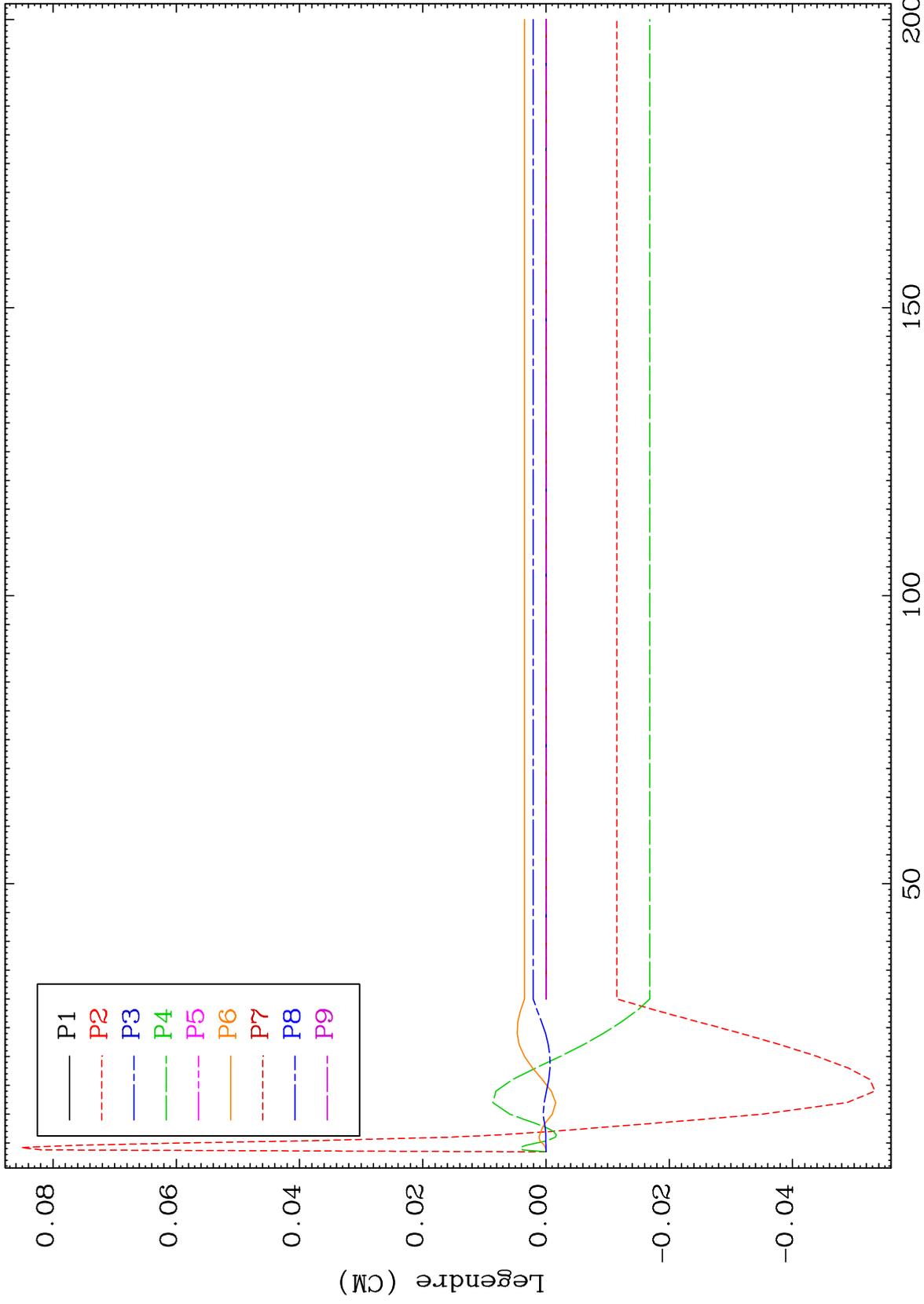




MAT 5837

3.433 MeV (n,n') Level
Legendre Coefficients

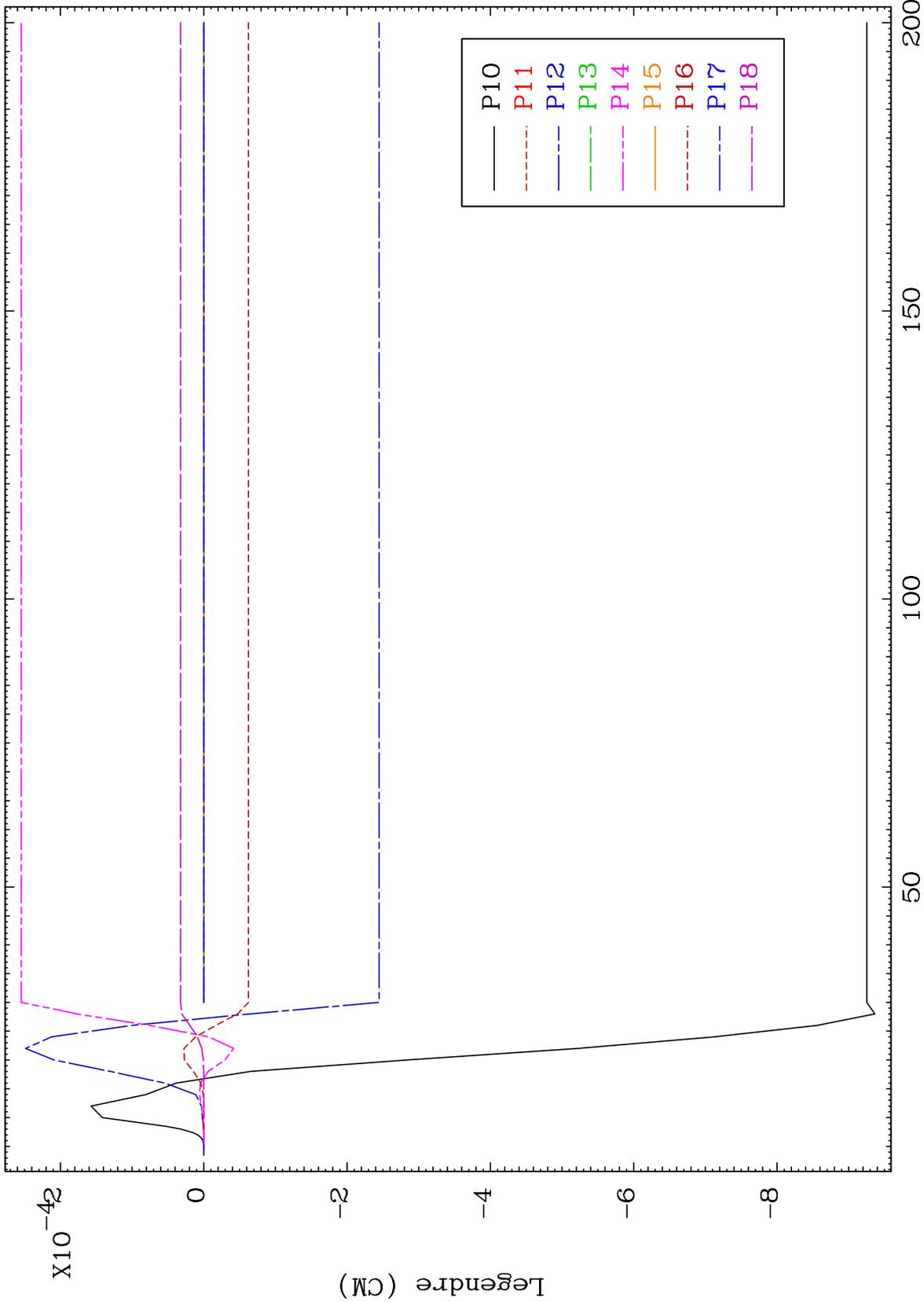
58-Ce-140



122

Incident Energy (MeV)

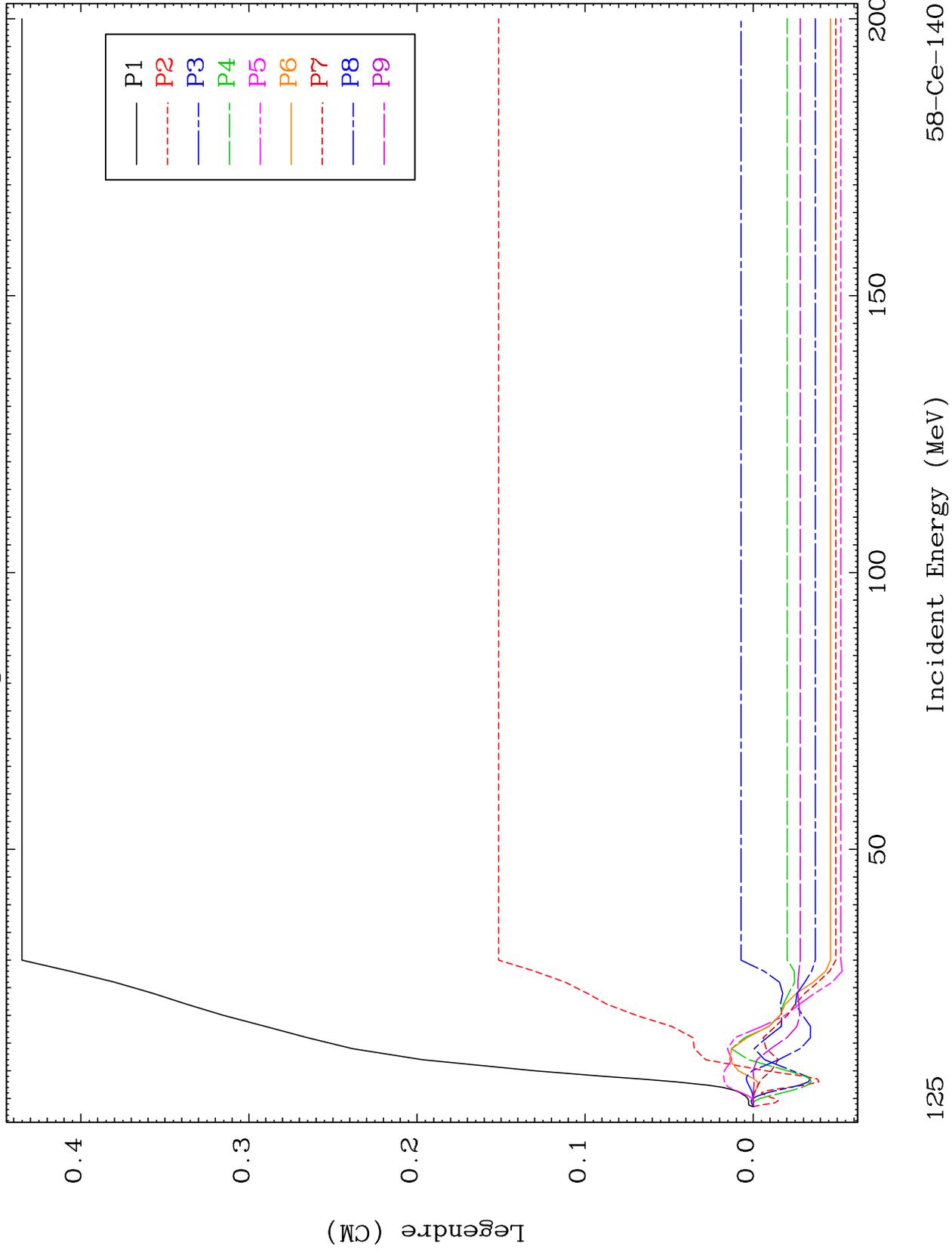
58-Ce-140

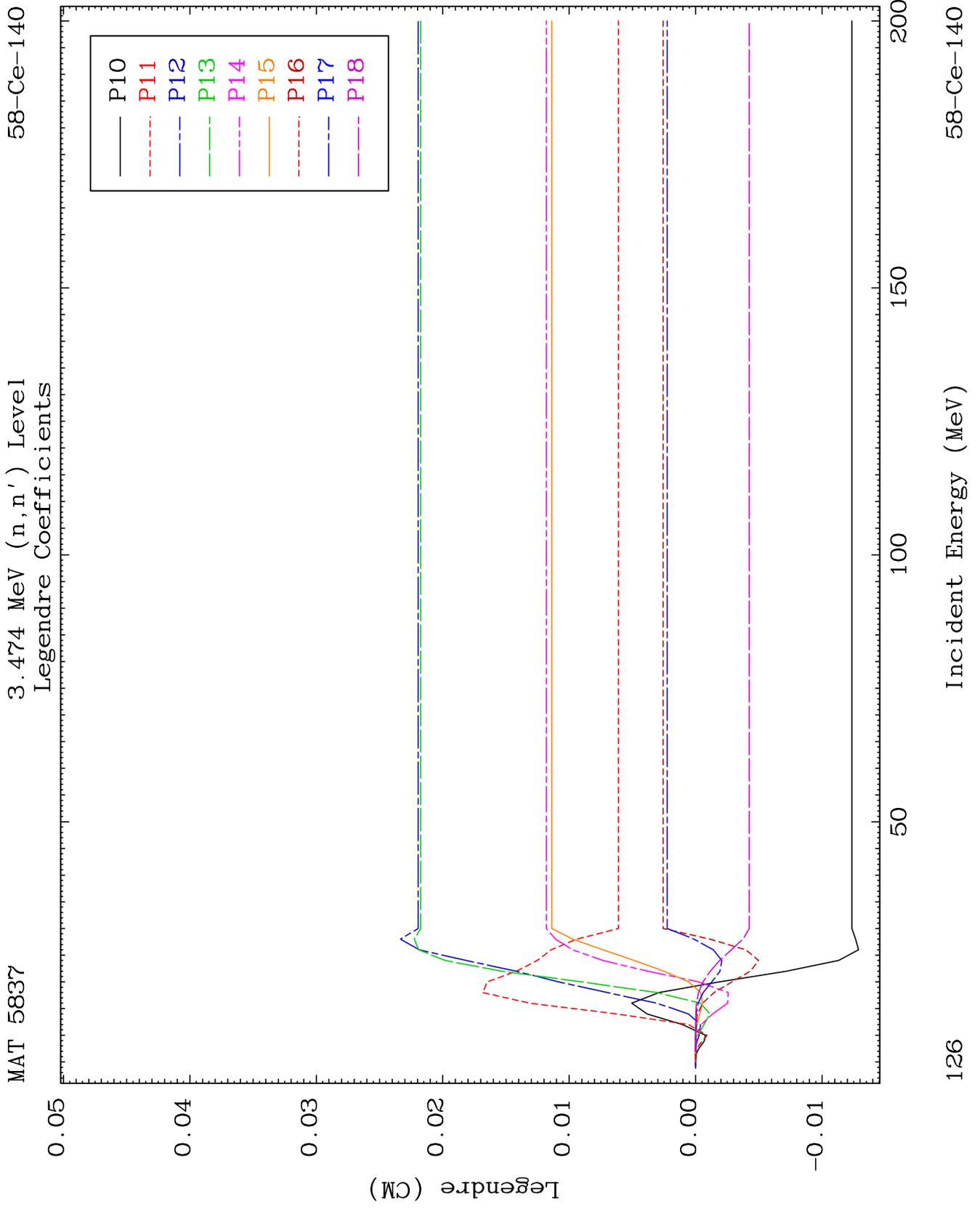


MAT 5837

3.474 MeV (n,n') Level
Legendre Coefficients

58-Ce-140

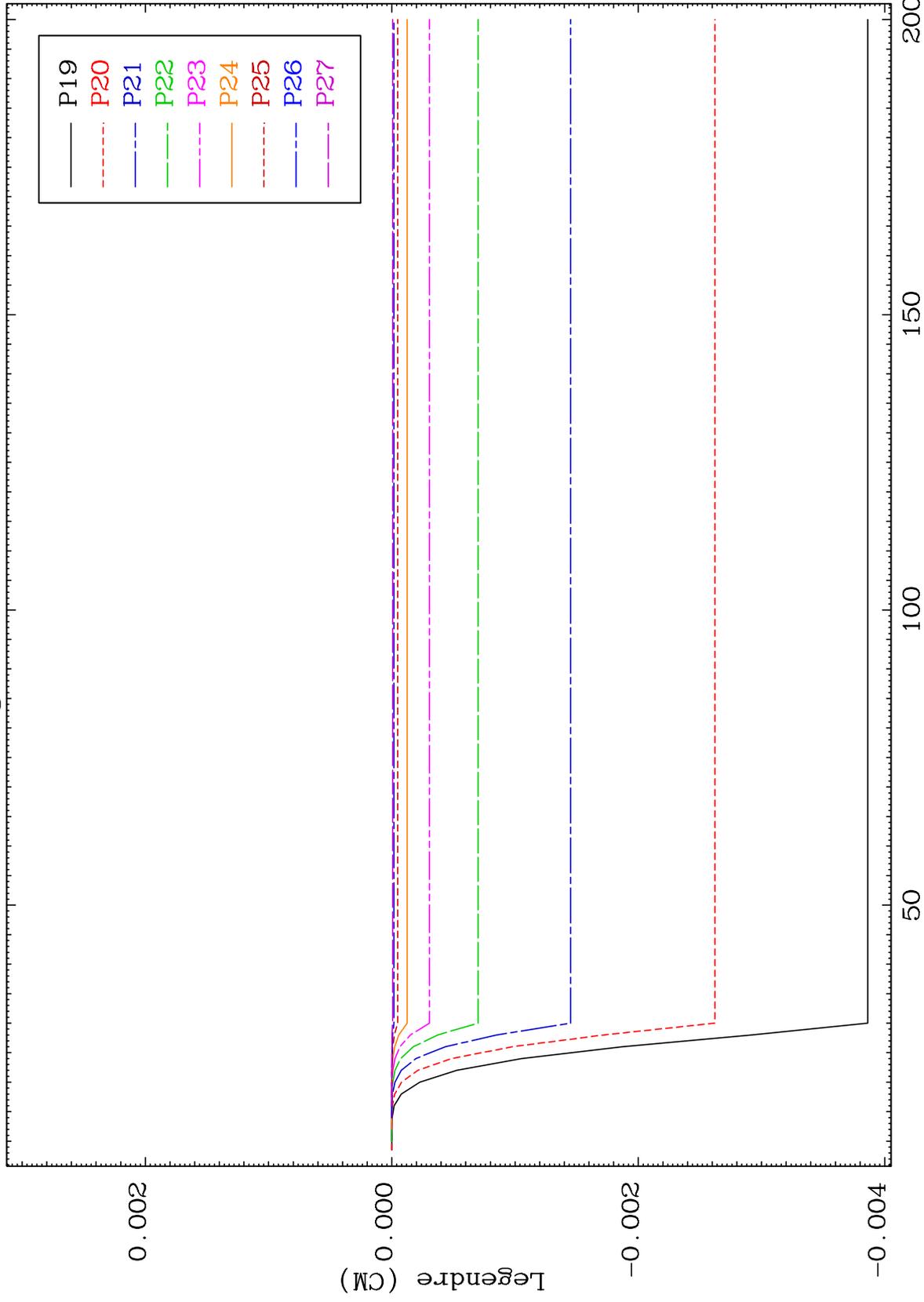




MAT 5837

3.474 MeV (n,n') Level
Legendre Coefficients

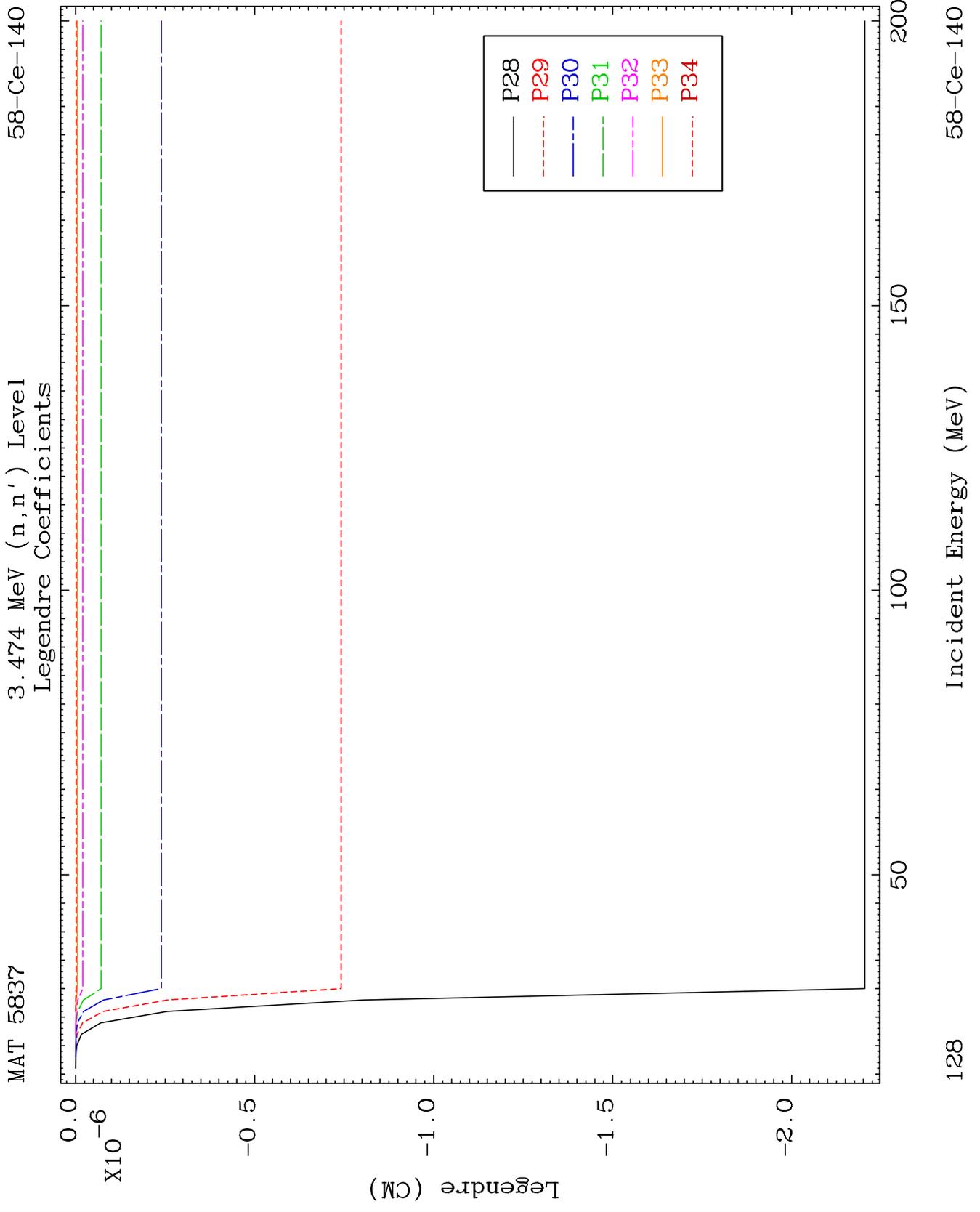
58-Ce-140



127

Incident Energy (MeV)

58-Ce-140

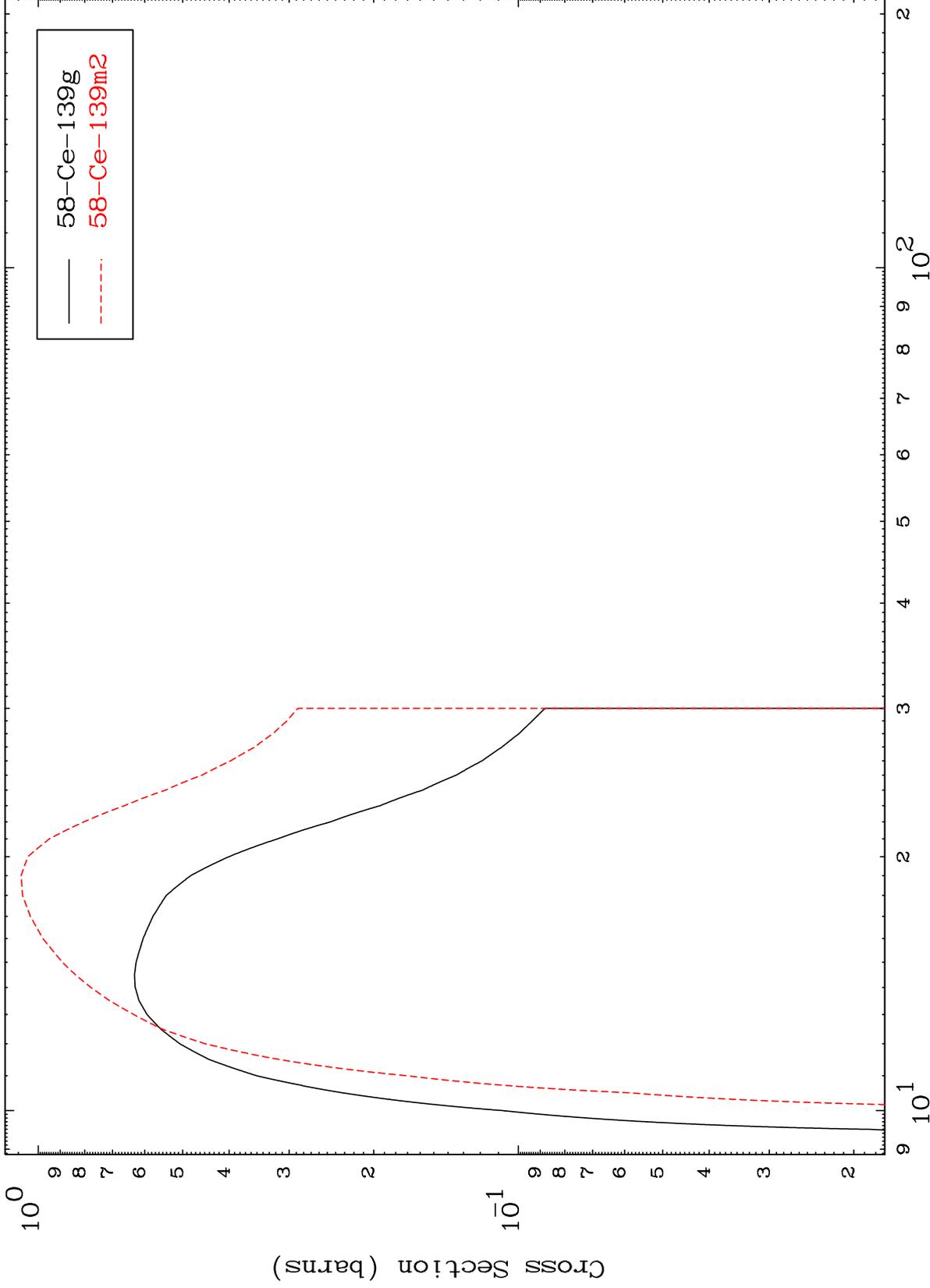


MAT 5837

(n,2n)

58-Ce-140

Radionuclide Production Cross Section



129

Incident Energy (MeV)

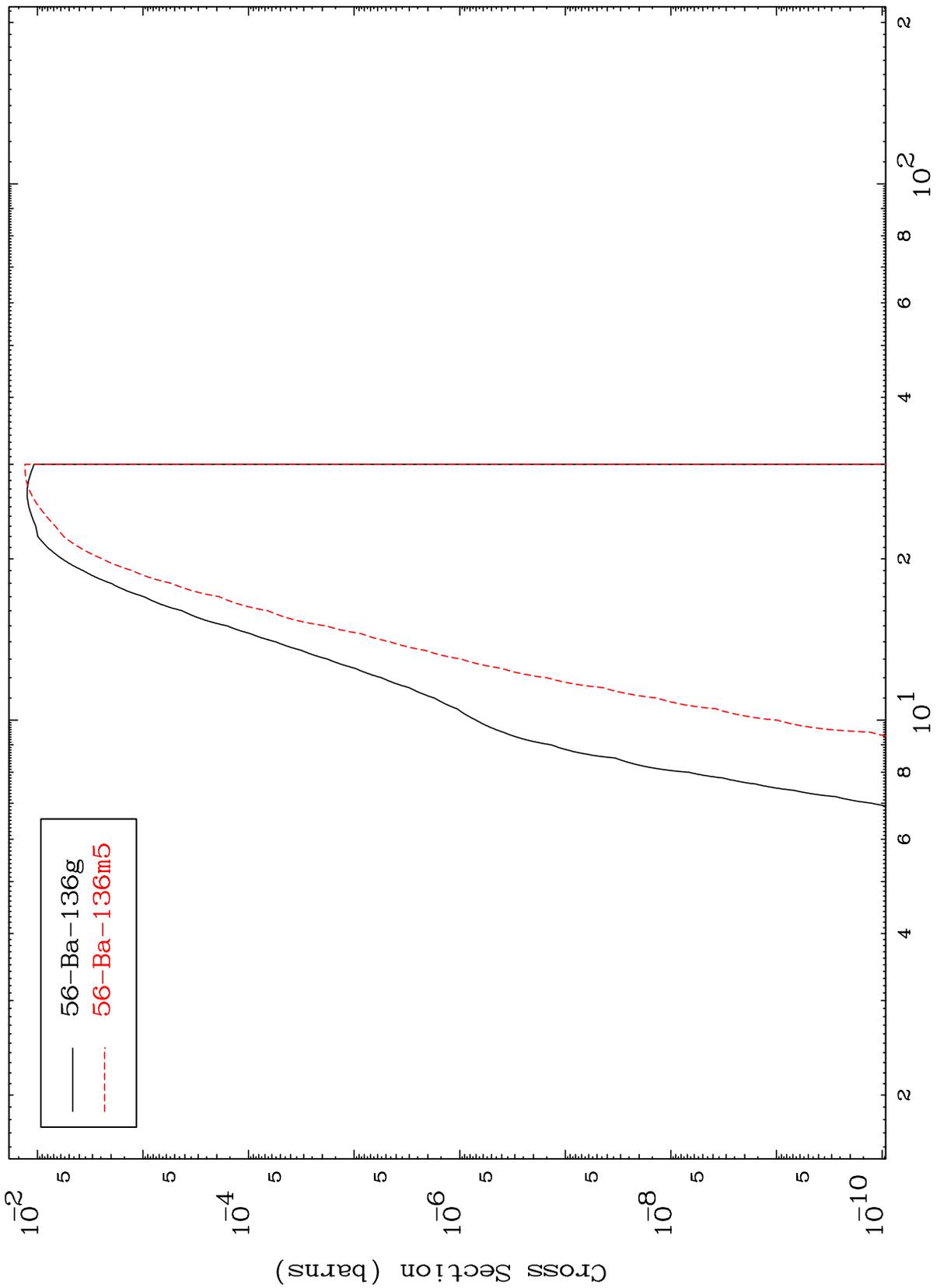
58-Ce-140

MAT 5837

(n,n') α

58-Ce-140

Radionuclide Production Cross Section



— 56-Ba-136g
- - - 56-Ba-136m5

130

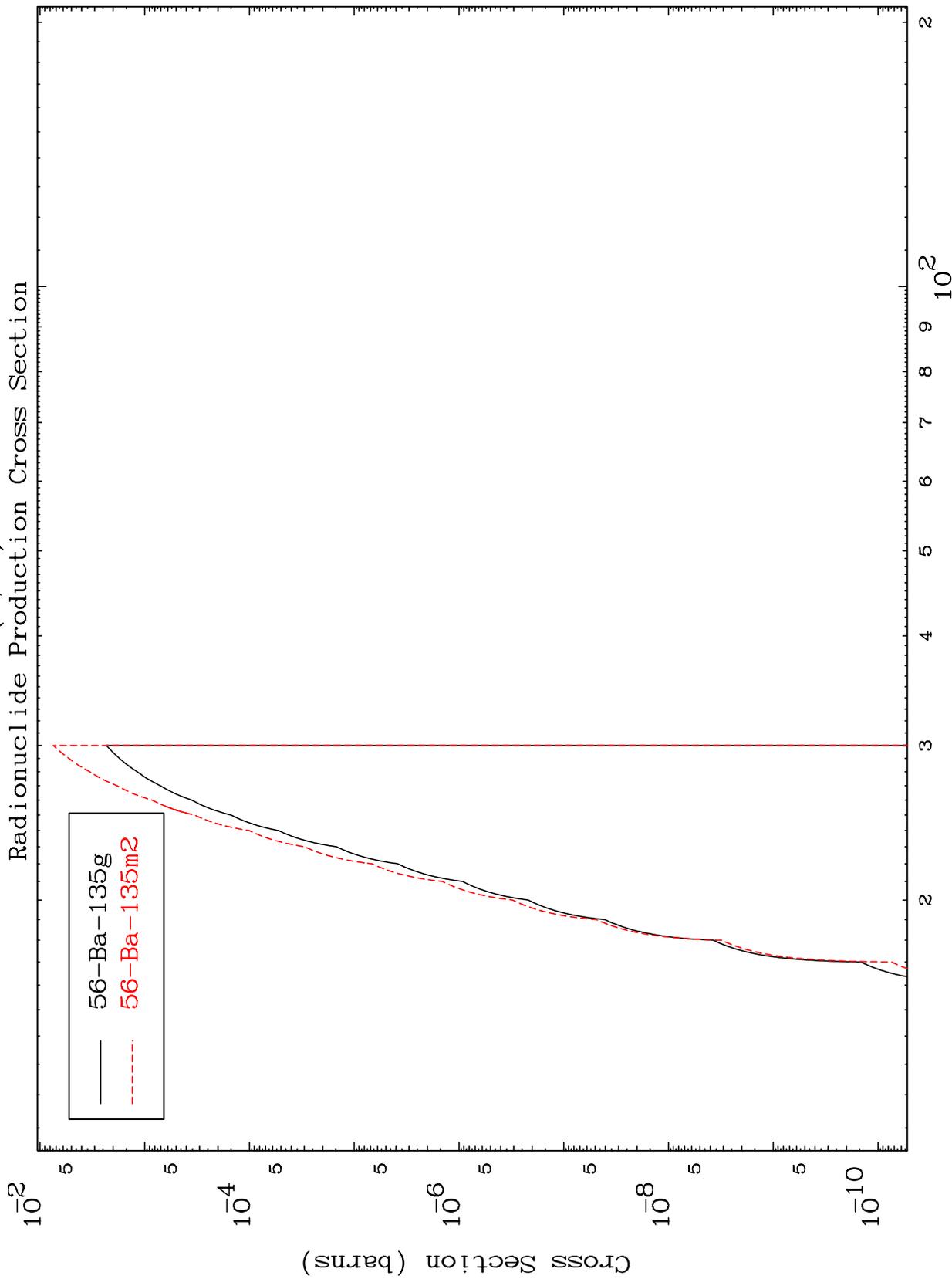
Incident Energy (MeV)

58-Ce-140

MAT 5837

(n,2n) α

58-Ce-140



131

Incident Energy (MeV)

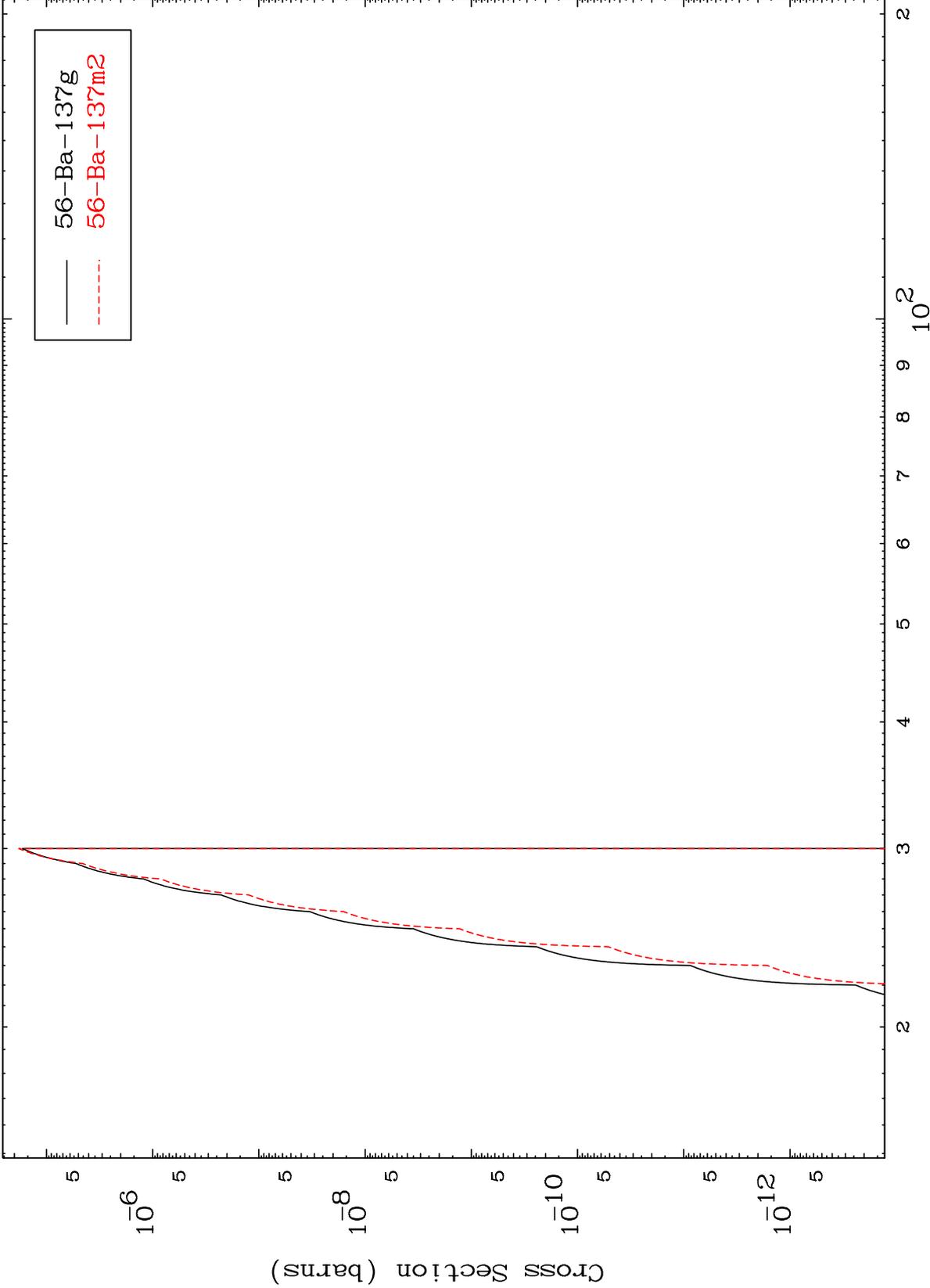
58-Ce-140

MAT 5837

(n,n') He-3

58-Ce-140

Radionuclide Production Cross Section



56-Ba-137g
56-Ba-137m2

132

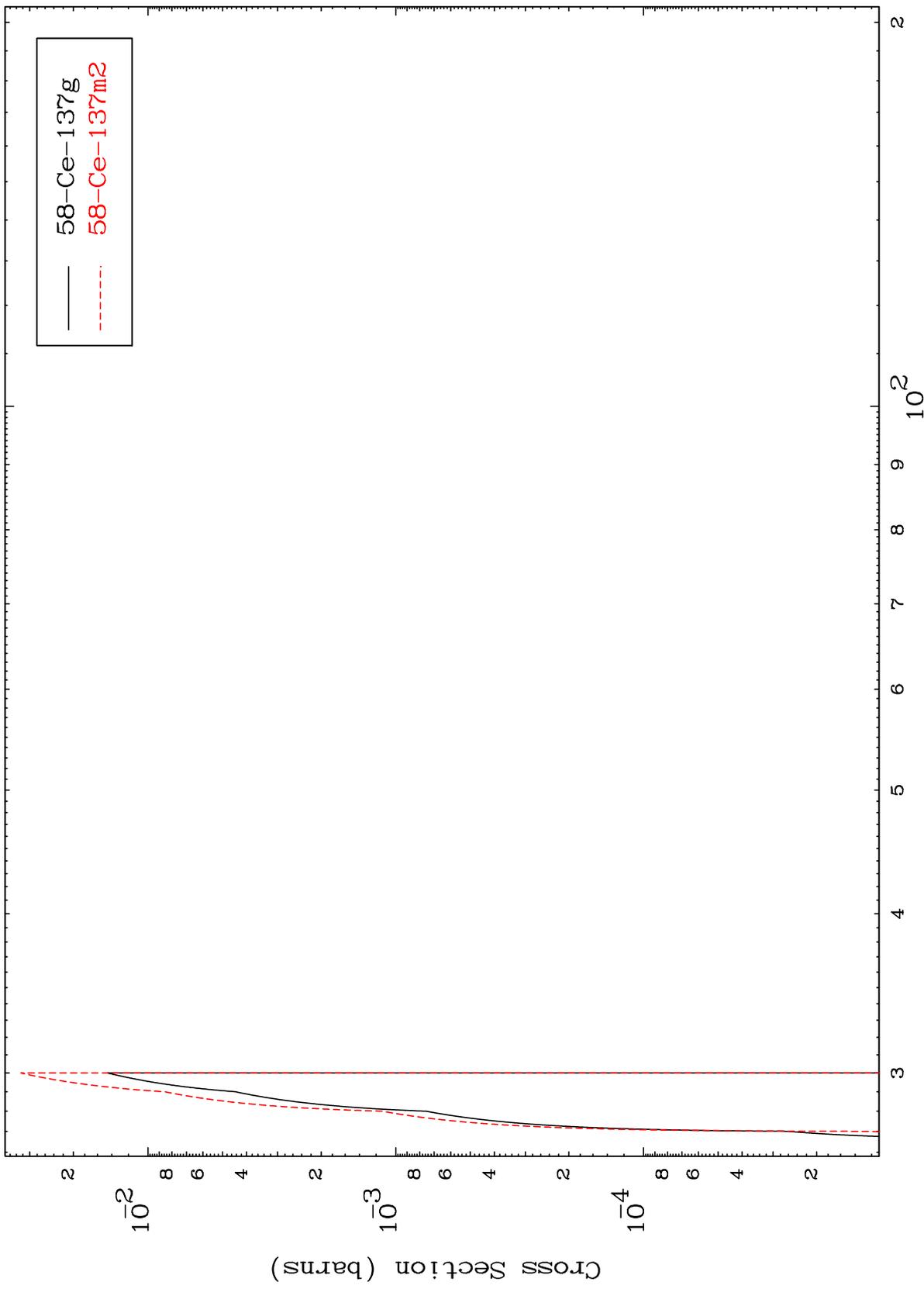
Incident Energy (MeV)

58-Ce-140

MAT 5837

58-Ce-140

(n,4n)
Radionuclide Production Cross Section



133

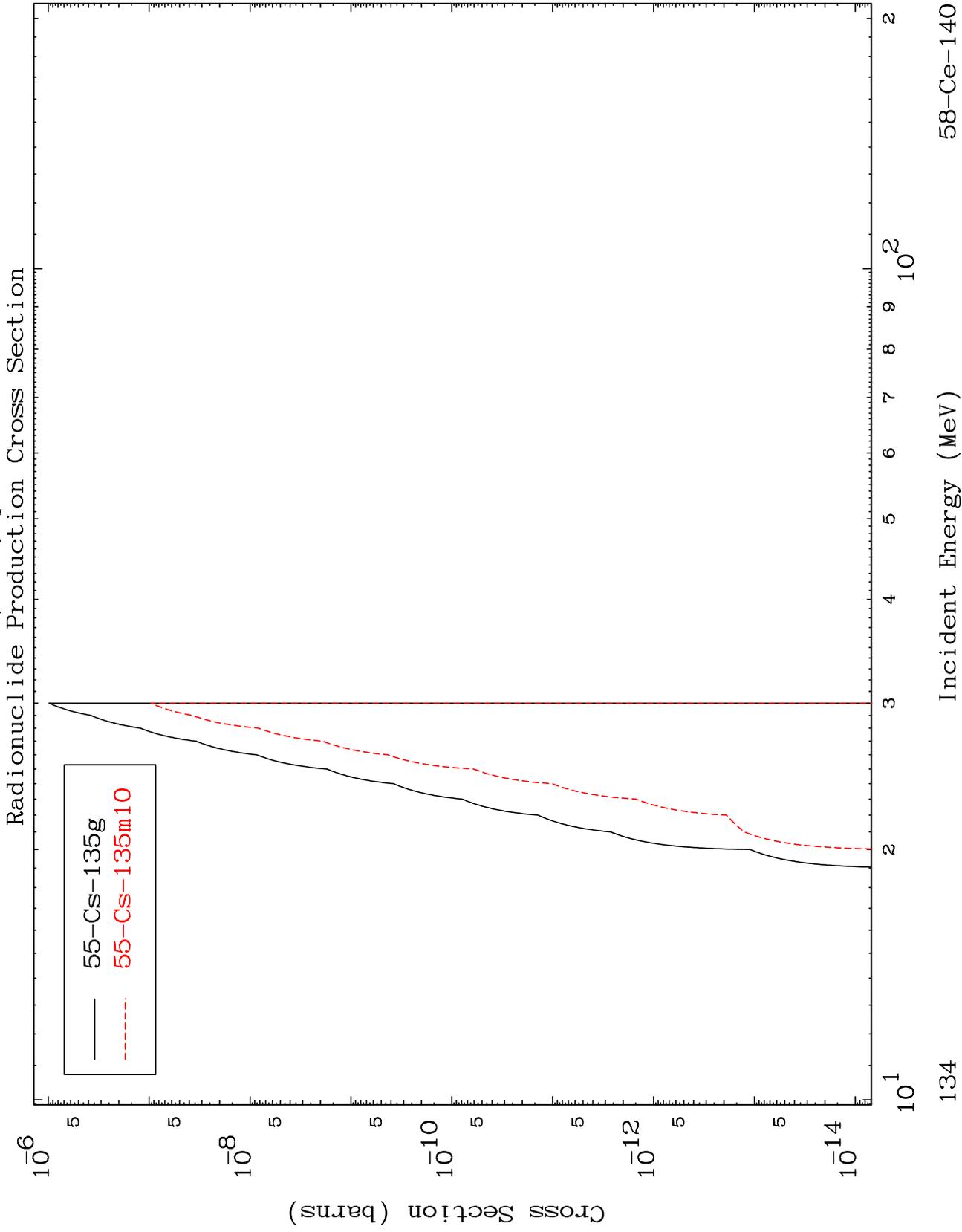
58-Ce-140

Incident Energy (MeV)

MAT 5837

(n,n') p α

58-Ce-140



134

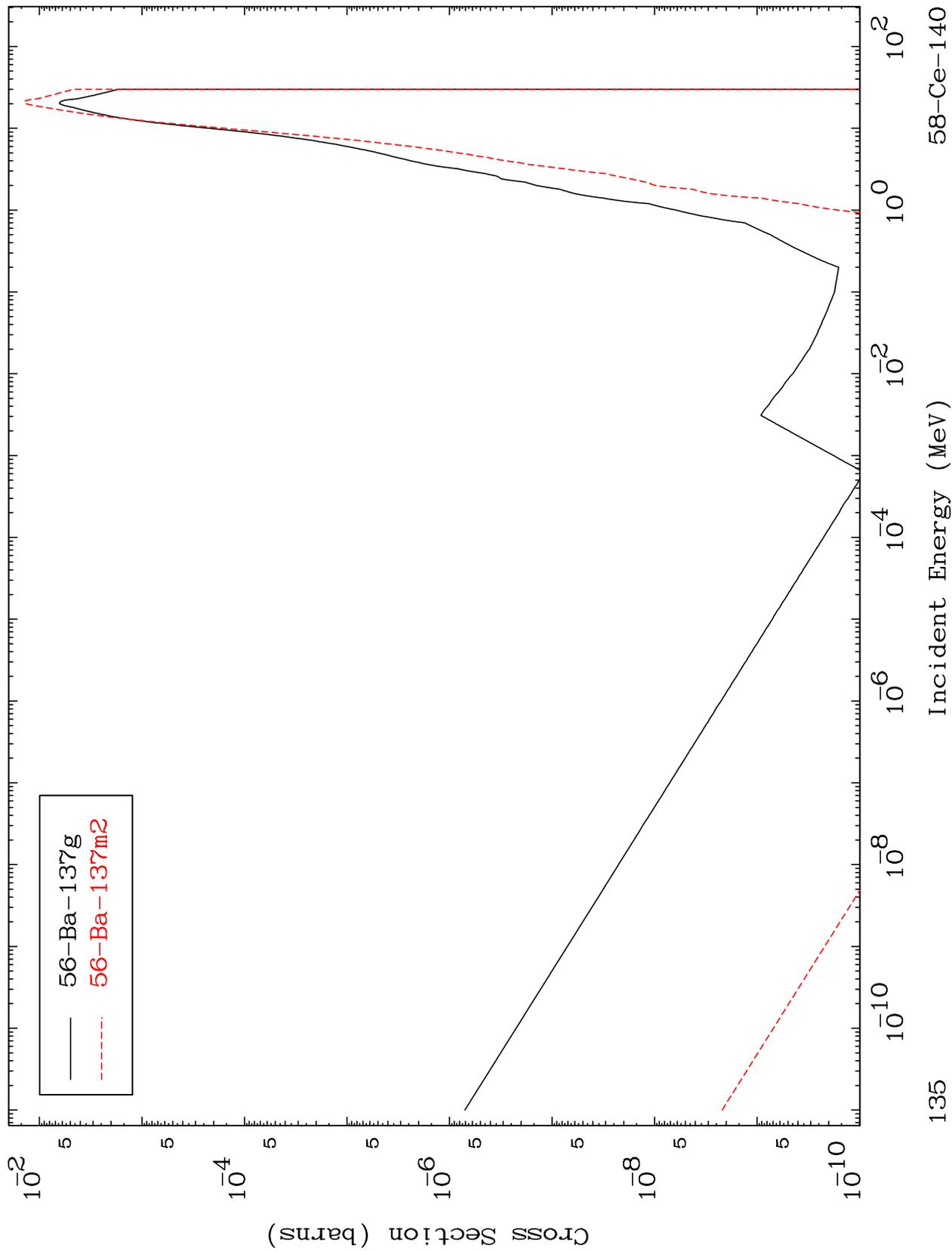
Incident Energy (MeV)

58-Ce-140

MAT 5837

58-Ce-140

Radionuclide Production Cross Section
(n, α)



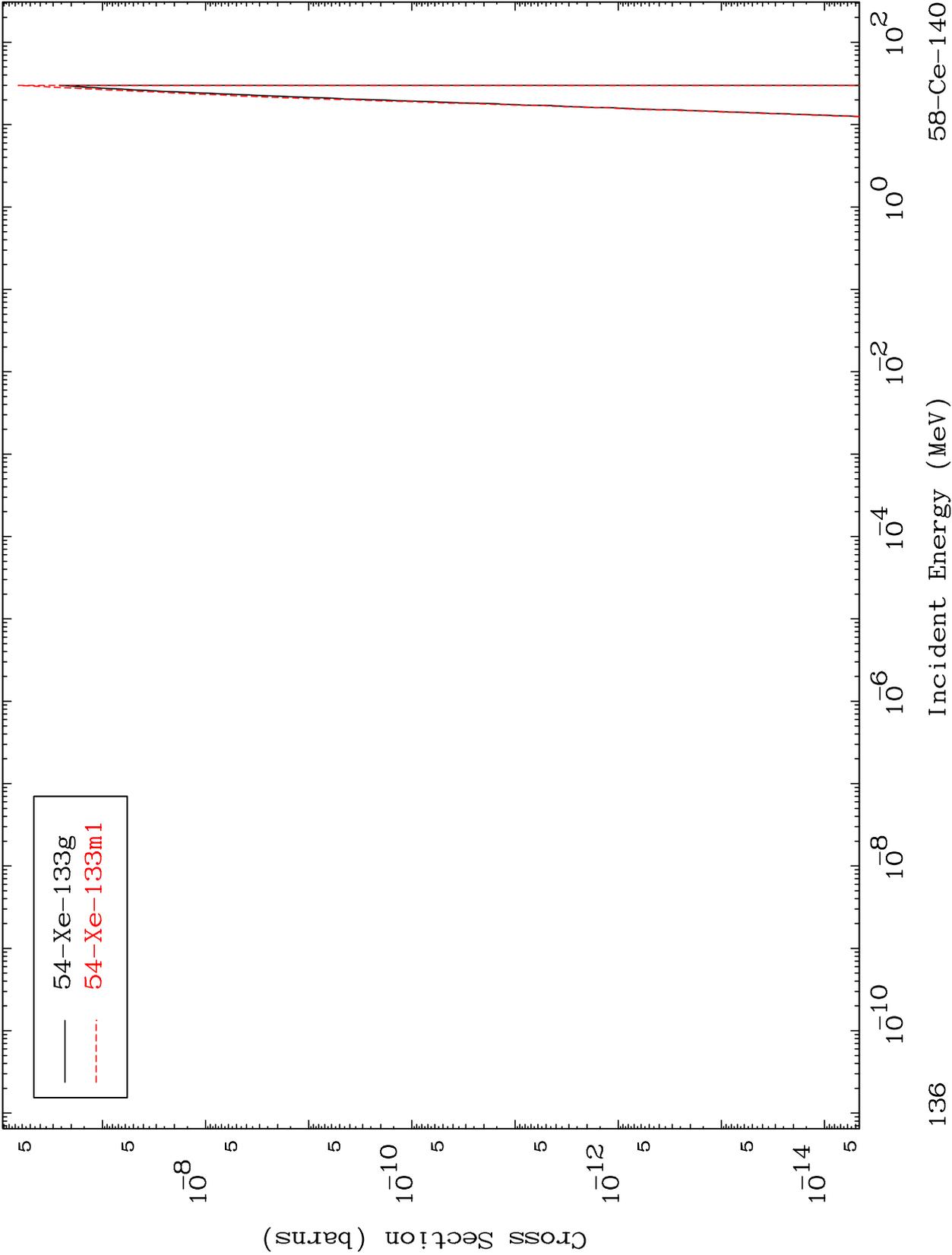
135

MAT 5837

(n,2α)

58-Ce-140

Radionuclide Production Cross Section

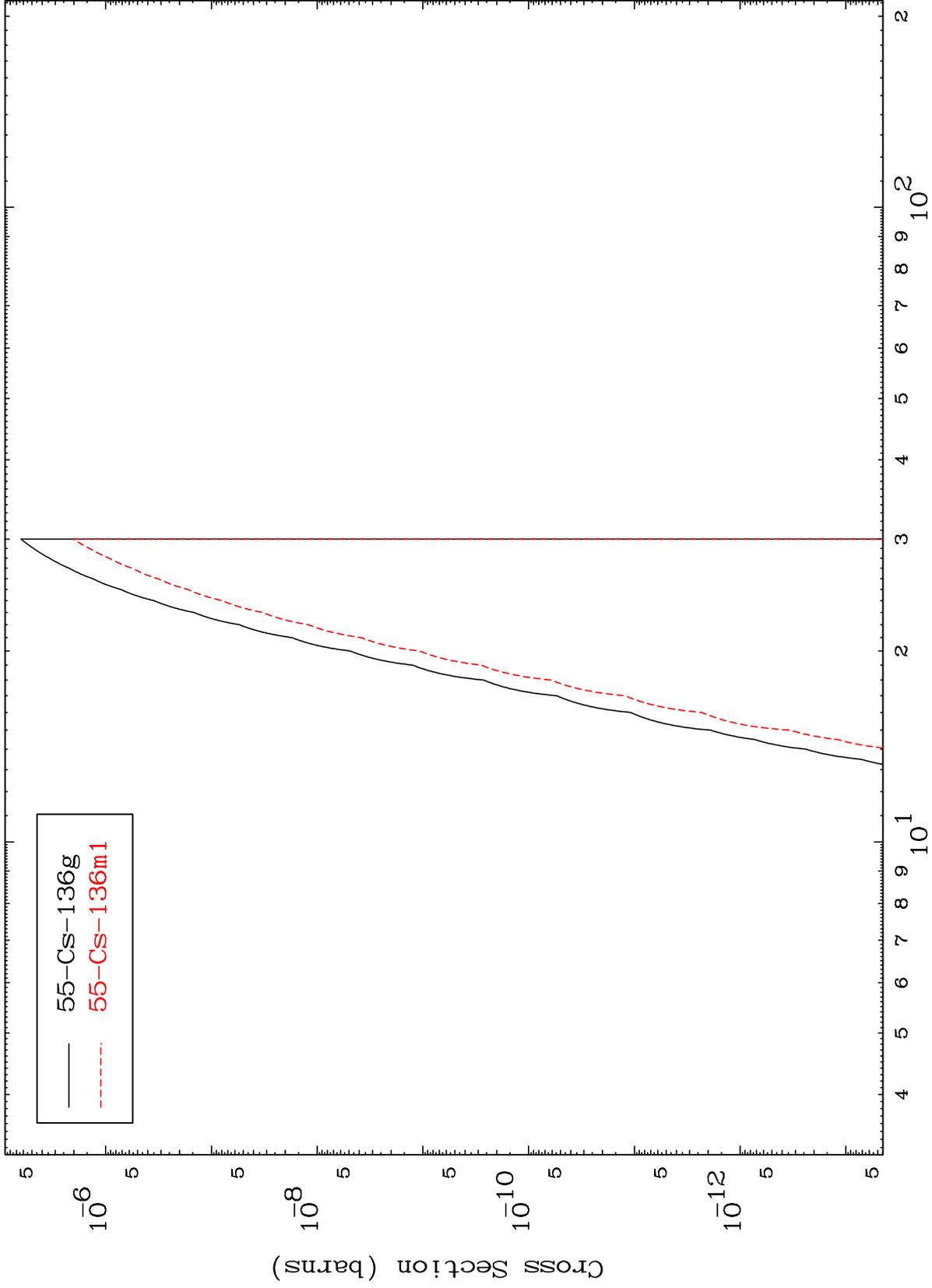


MAT 5837

(n,p) α

58-Ce-140

Radionuclide Production Cross Section



137

Incident Energy (MeV)

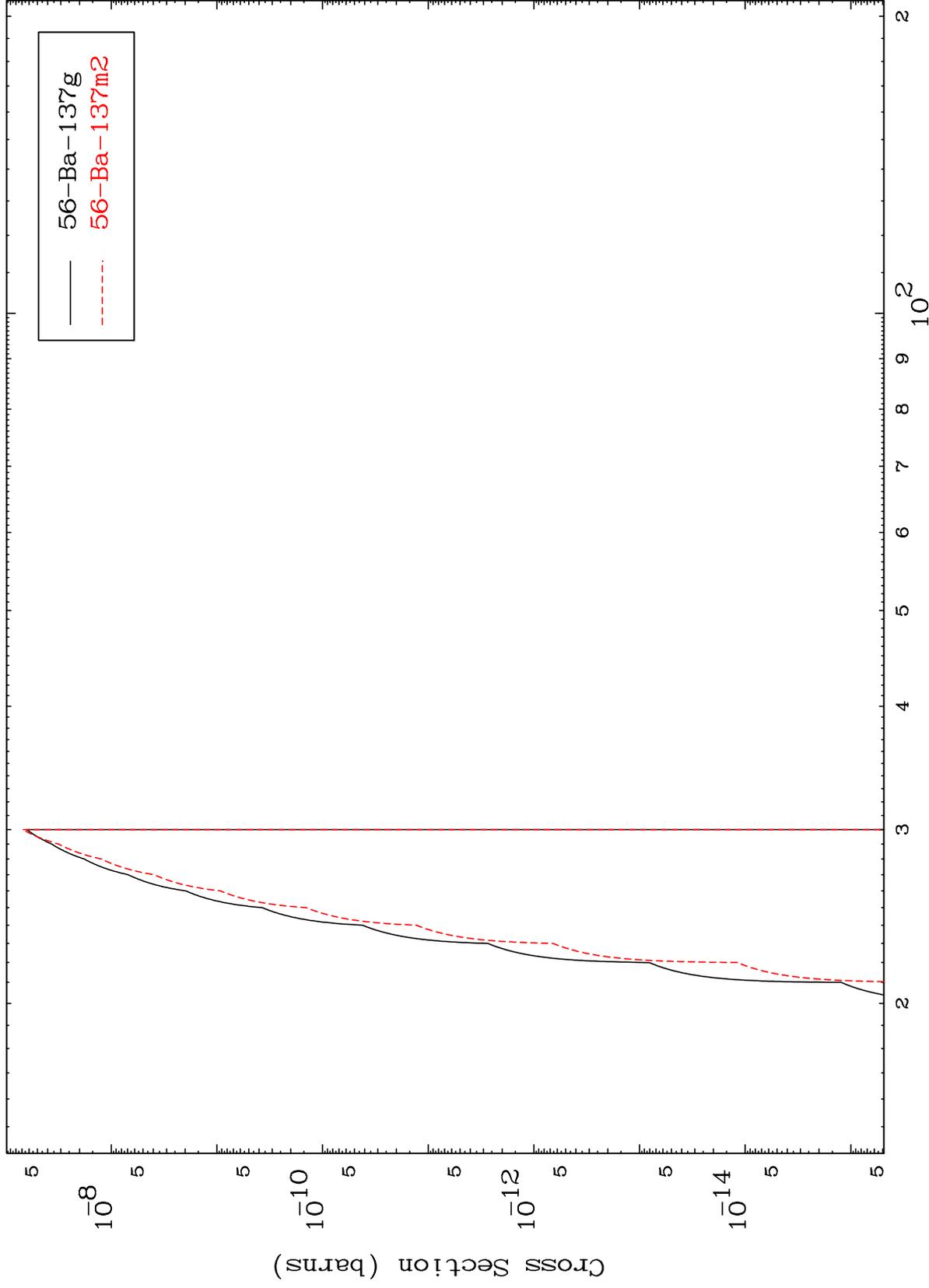
58-Ce-140

MAT 5837

(n,p) t

58-Ce-140

Radionuclide Production Cross Section



138

Incident Energy (MeV)

58-Ce-140

MAT 5837

(n,d) α

58-Ce-140

Radionuclide Production Cross Section

