

Program EVALPLOT
(Version 2015-2)

by

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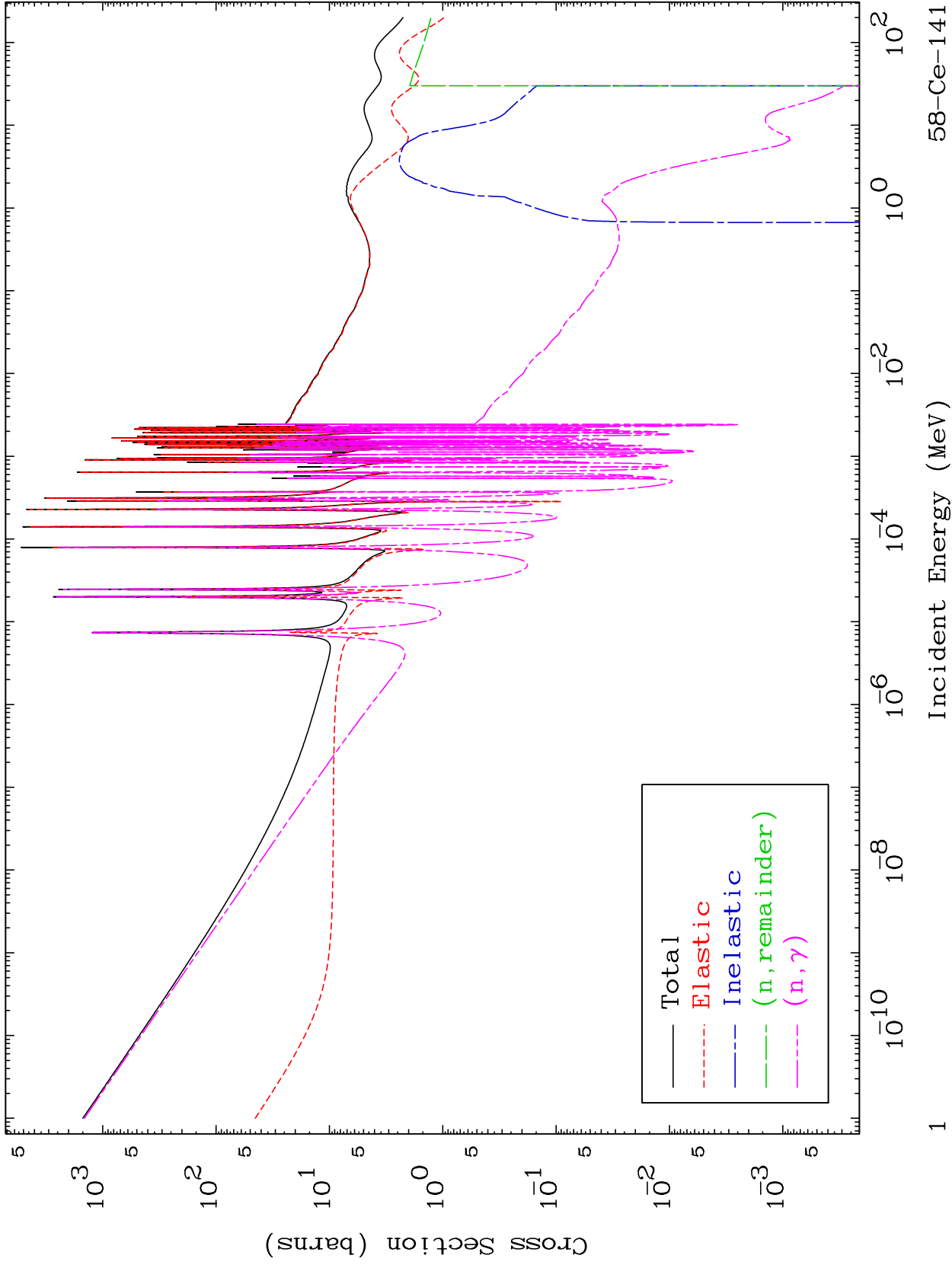
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5840

Major
293 Kelvin Cross Sections

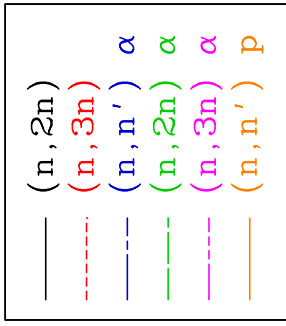
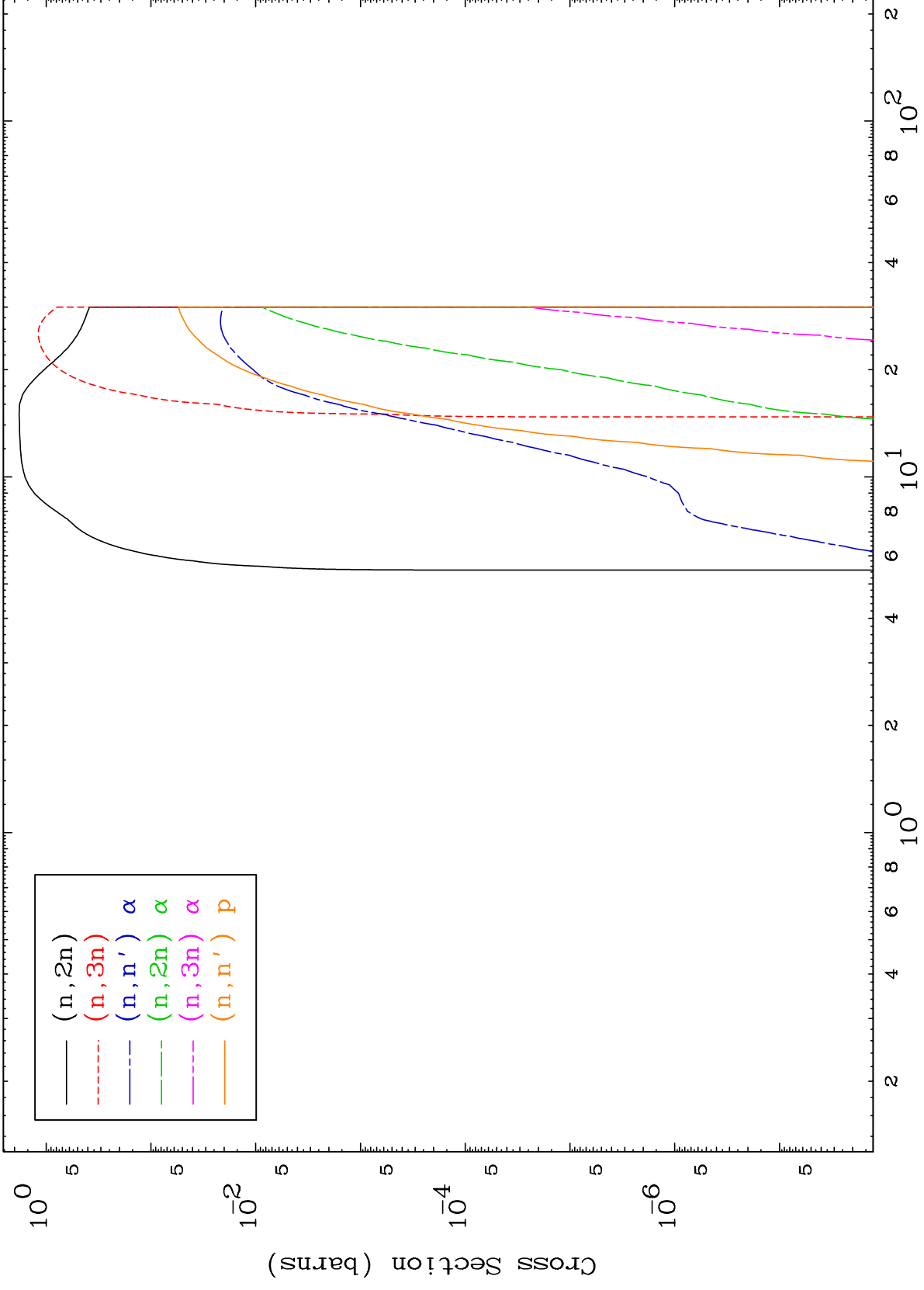
58-Ce-141

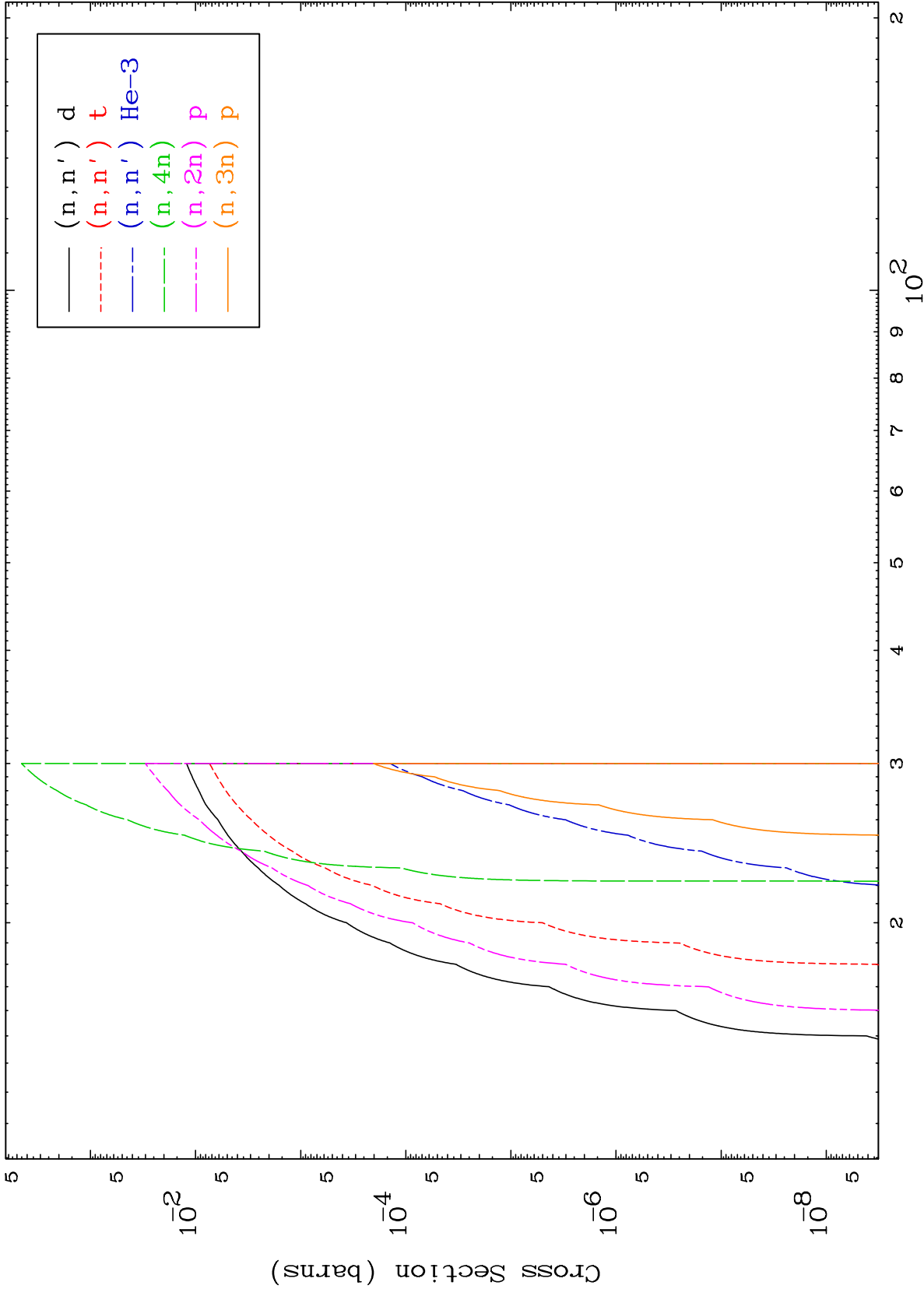


MAT 5840

Neutron Production
293 Kelvin Cross Sections

58-Ce-141

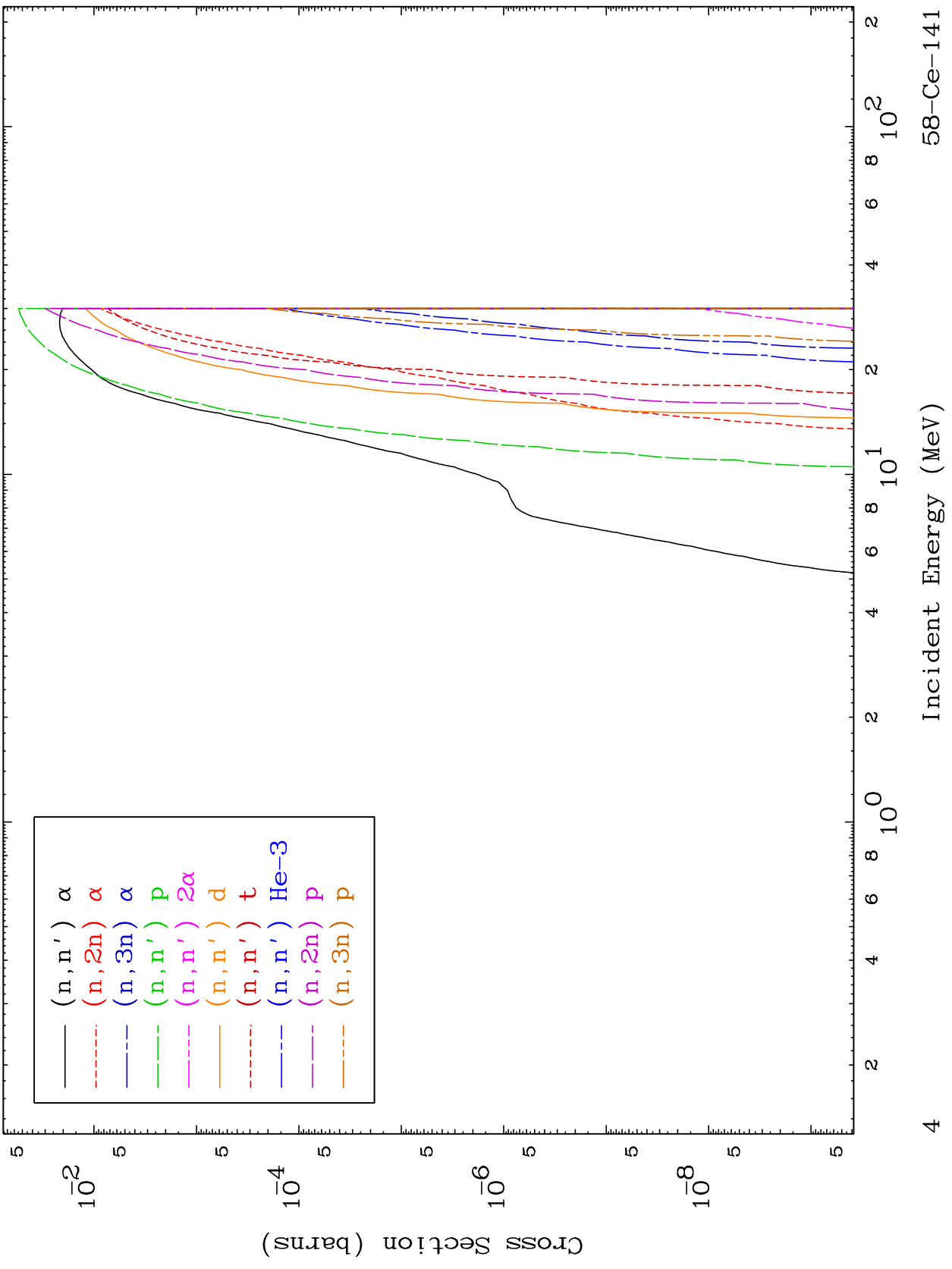




MAT 5840

Charged Particle
293 Kelvin Cross Sections

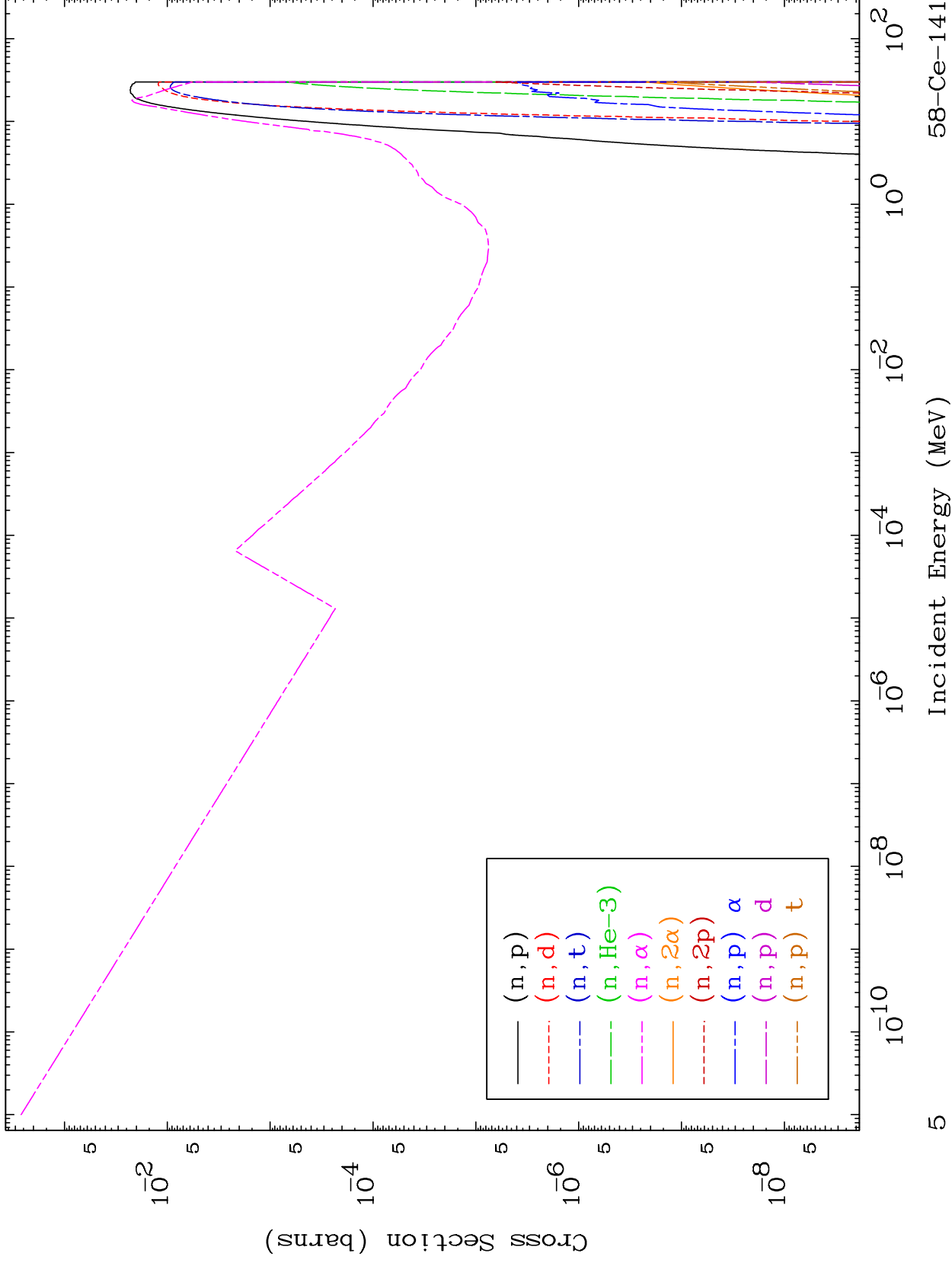
58-Ce-141



MAT 5840

Charged Particle
293 Kelvin Cross Sections

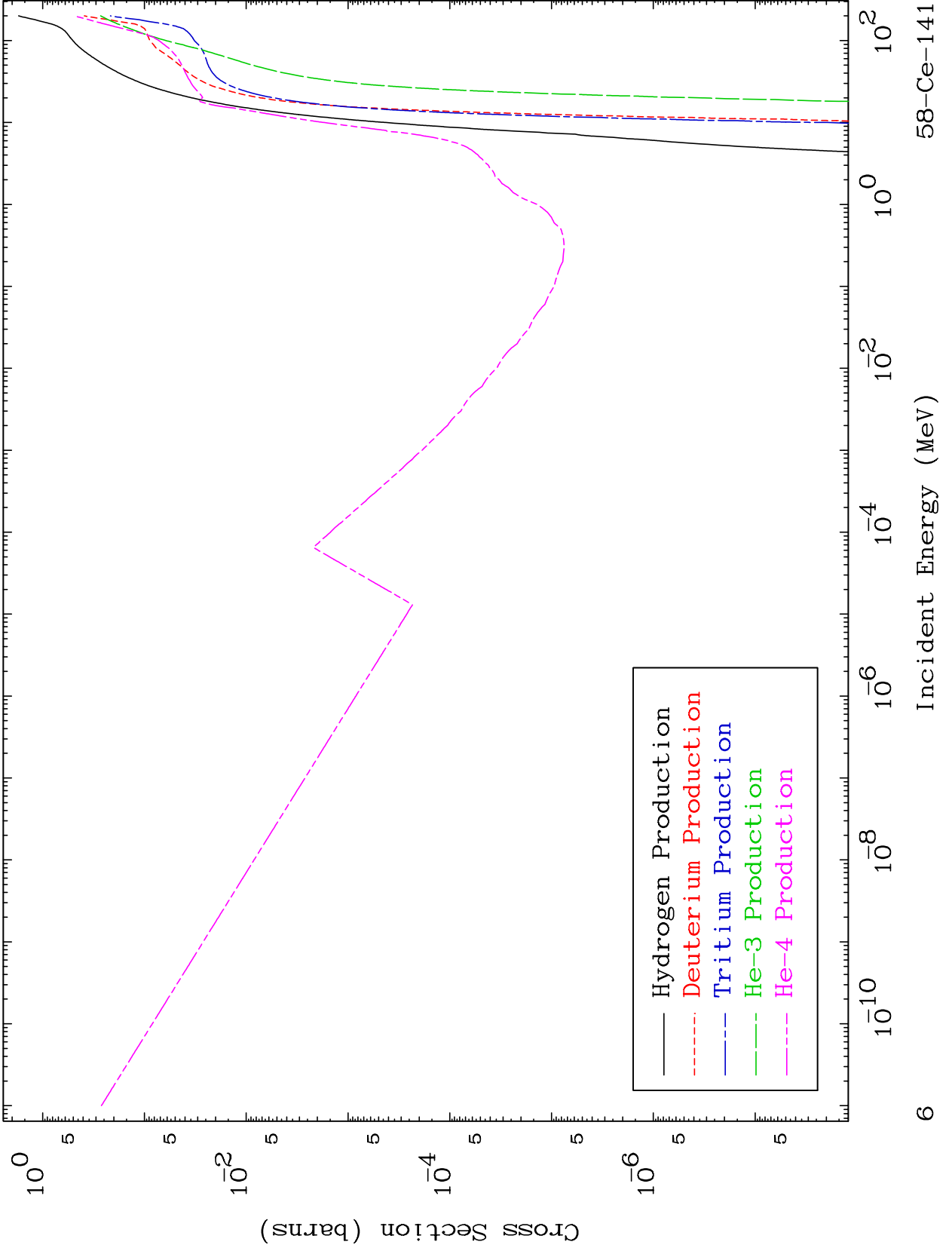
58-Ce-141



MAT 5840

Particle Production
293 Kelvin Cross Sections

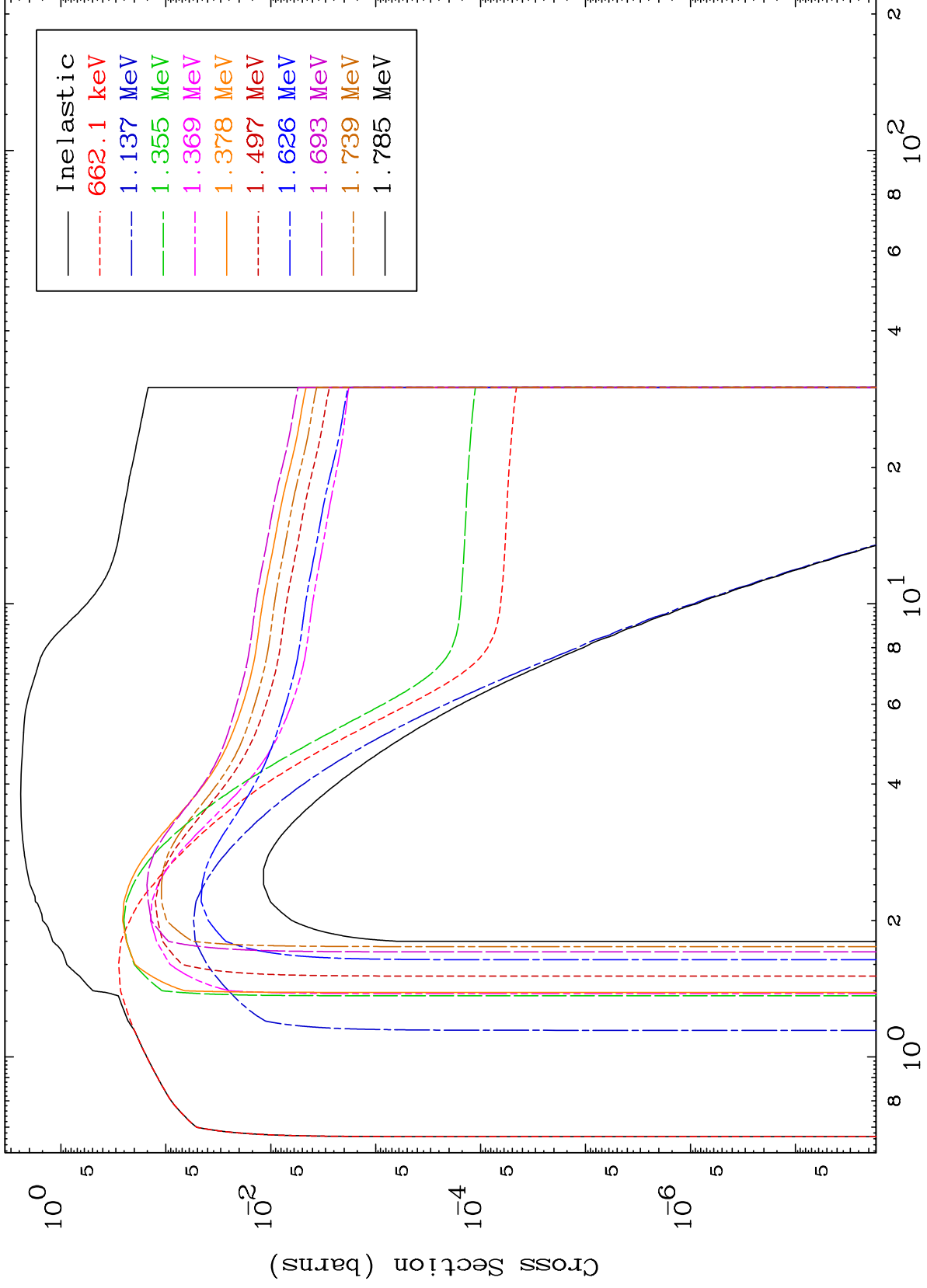
58-Ce-141



MAT 5840

(n,n') Level
293 Kelvin Cross Sections

58-Ce-141



7

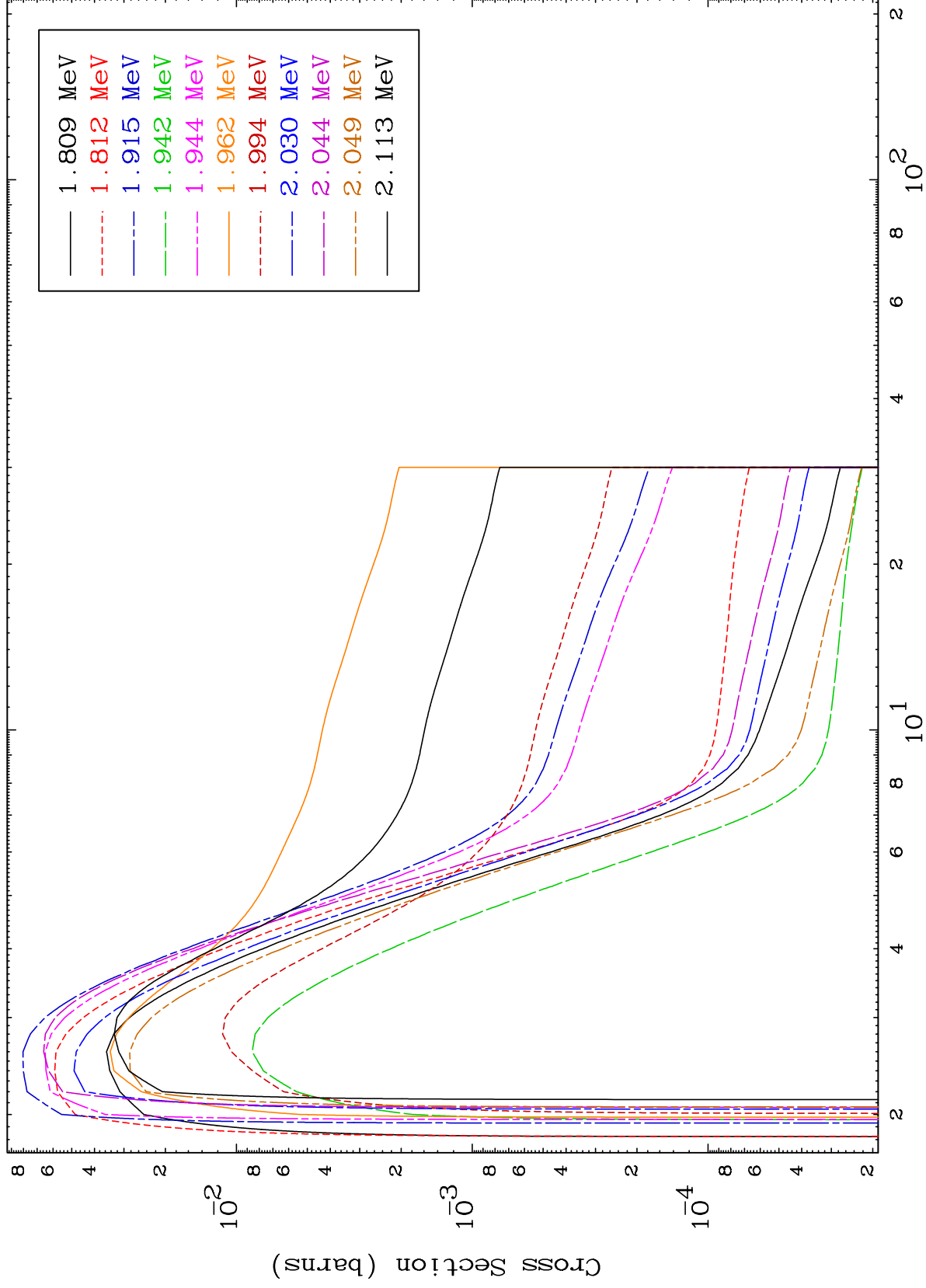
Incident Energy (MeV)

58-Ce-141

MAT 5840

(n,n') Level
293 Kelvin Cross Sections

58-Ce-141



8

Incident Energy (MeV)

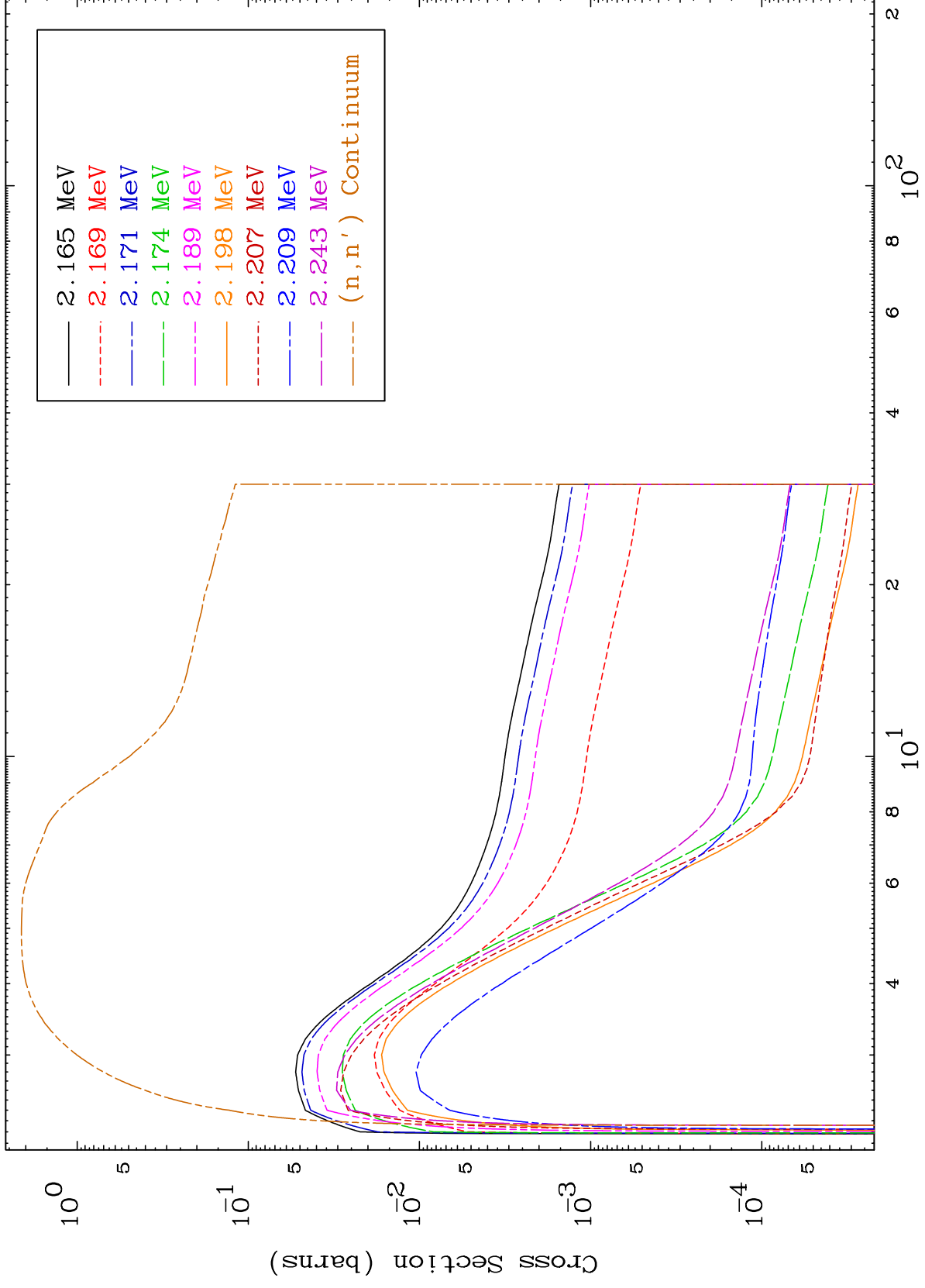
58-Ce-141

MAT 5840

(n,n') Level

58-Ce-141

293 Kelvin Cross Sections



9

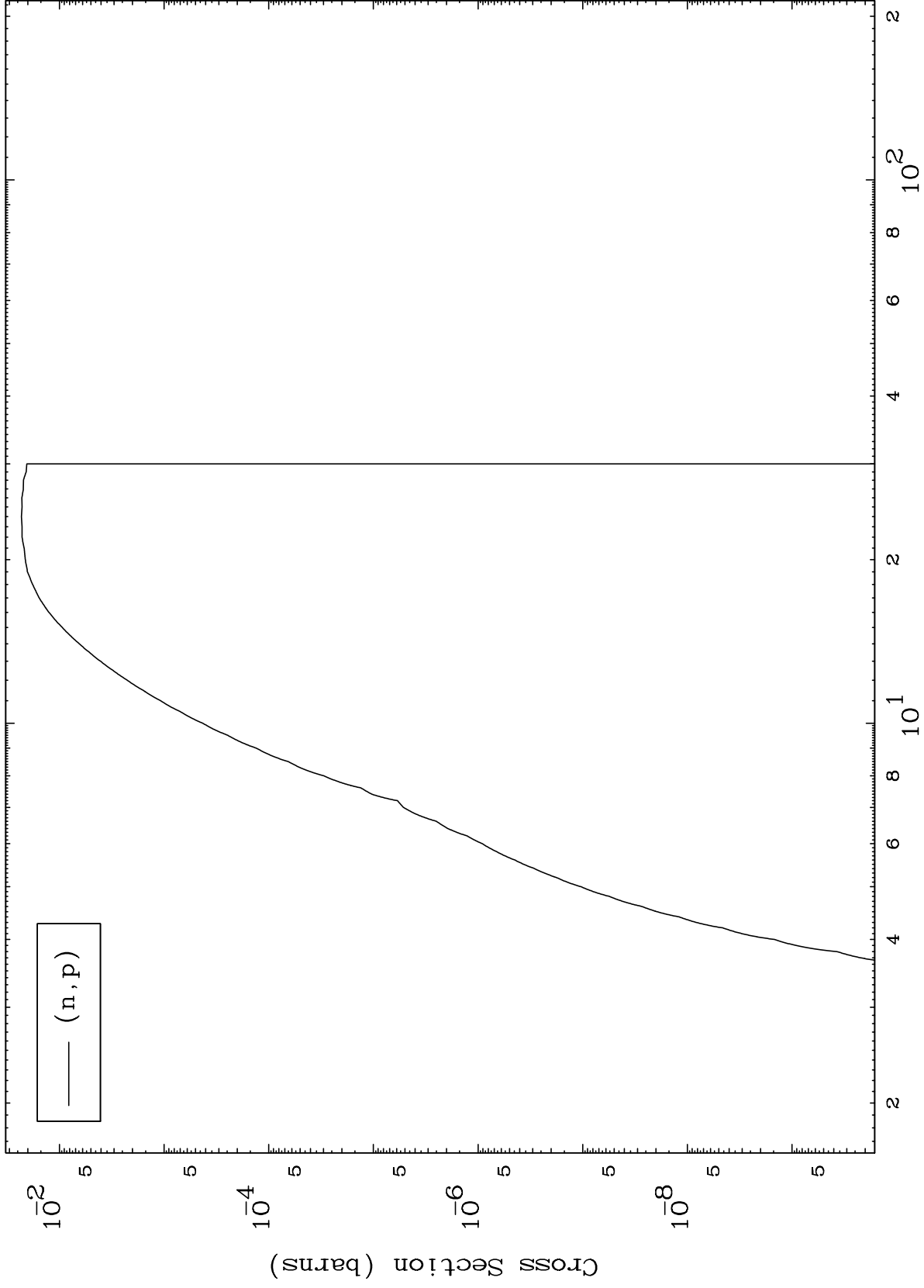
Incident Energy (MeV)

58-Ce-141

MAT 5840

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-141



10

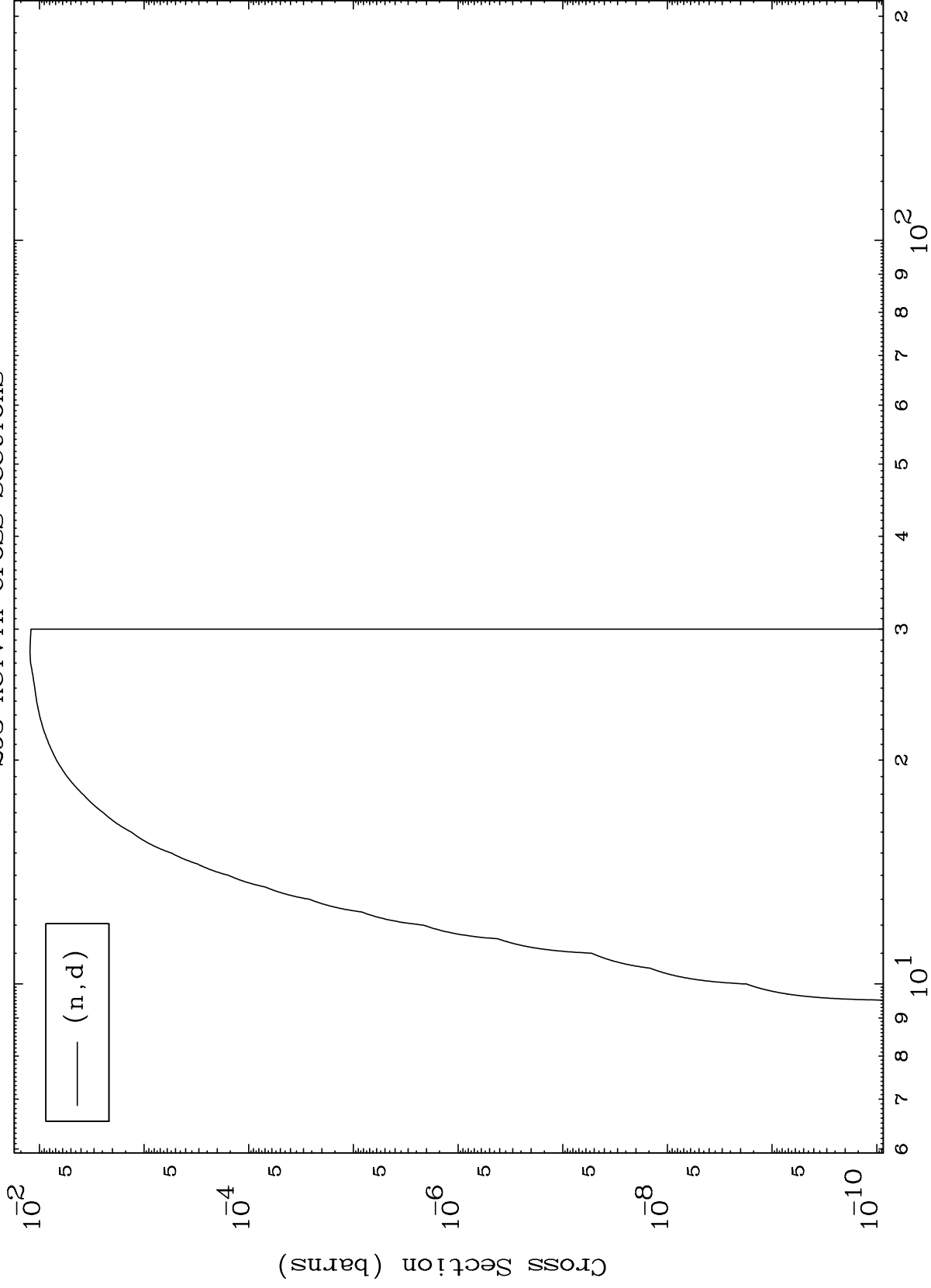
Incident Energy (MeV)

58-Ce-141

MAT 5840

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-141



11

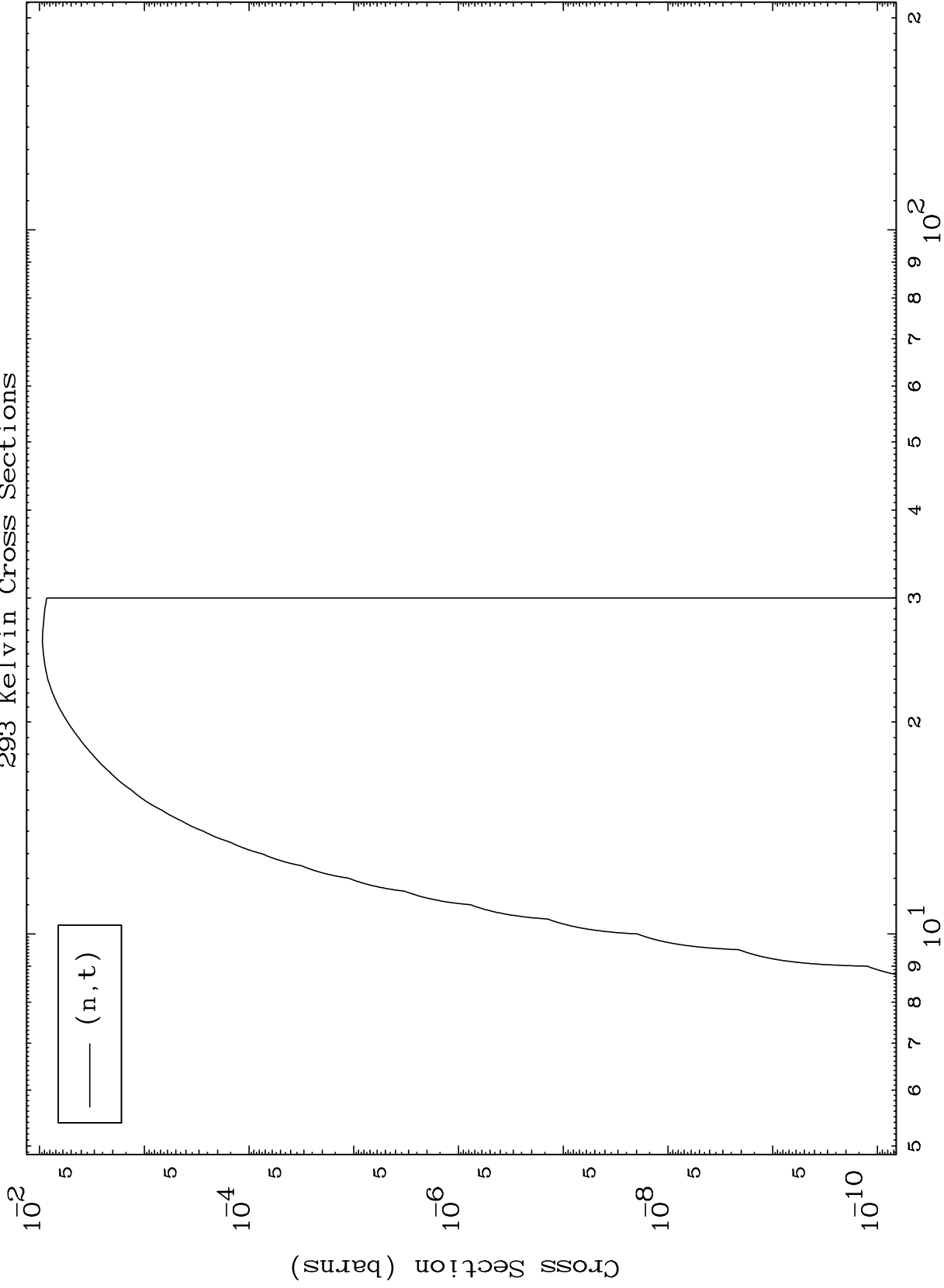
Incident Energy (MeV)

58-Ce-141

MAT 5840

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-141



12

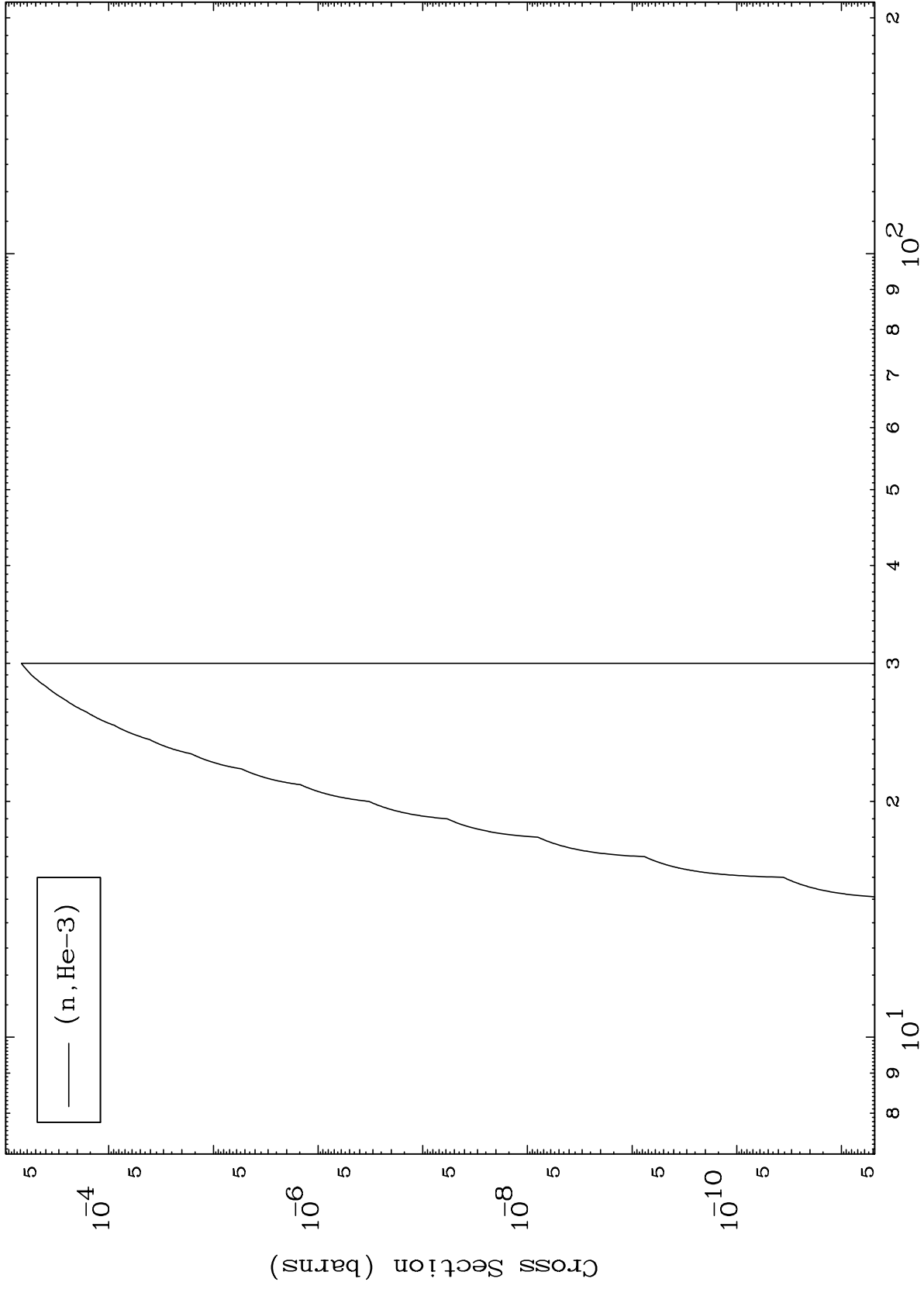
Incident Energy (MeV)

58-Ce-141

MAT 5840

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-141



13

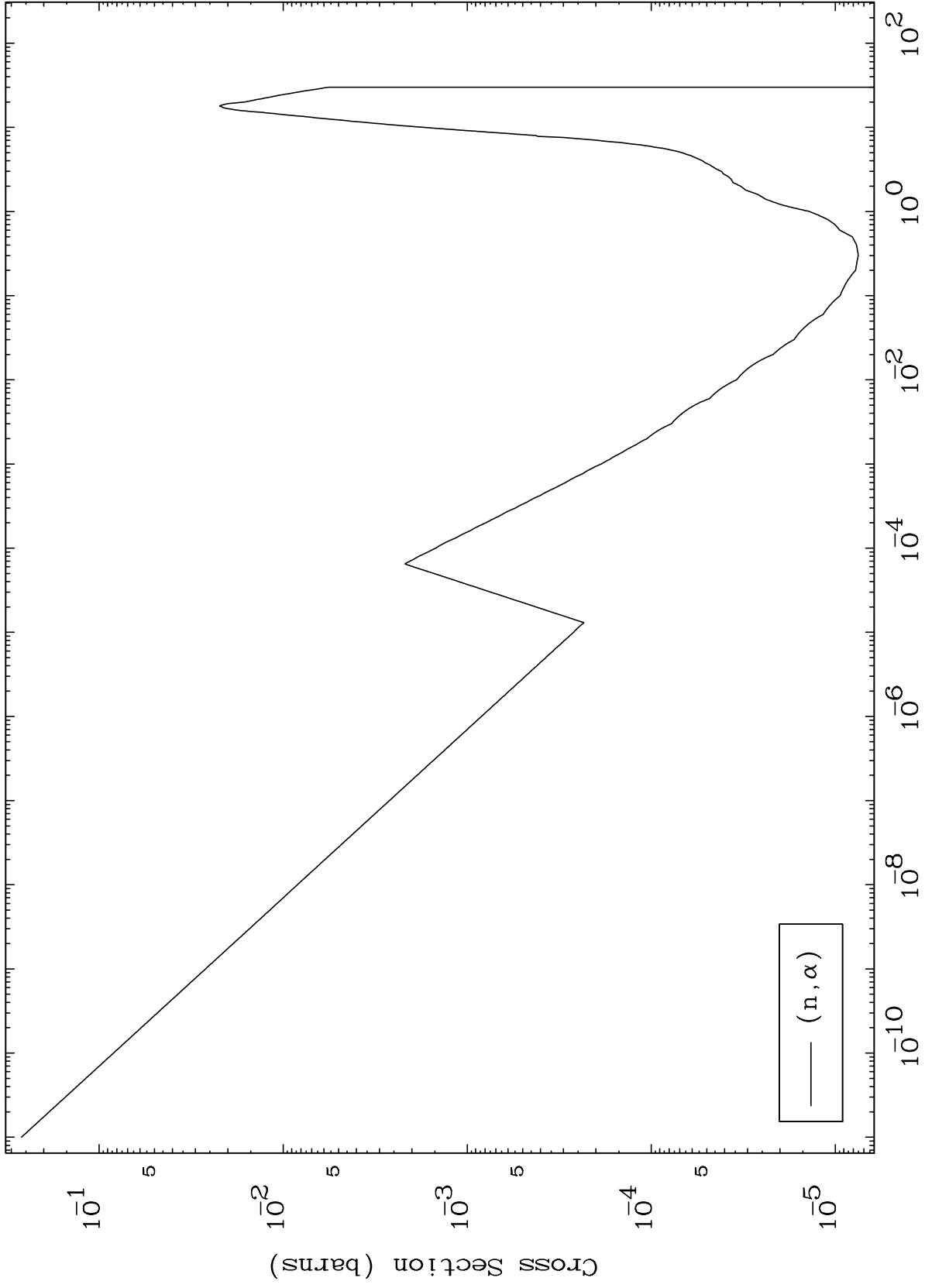
Incident Energy (MeV)

58-Ce-141

MAT 5840

(n,α) Levels
293 Kelvin Cross Sections

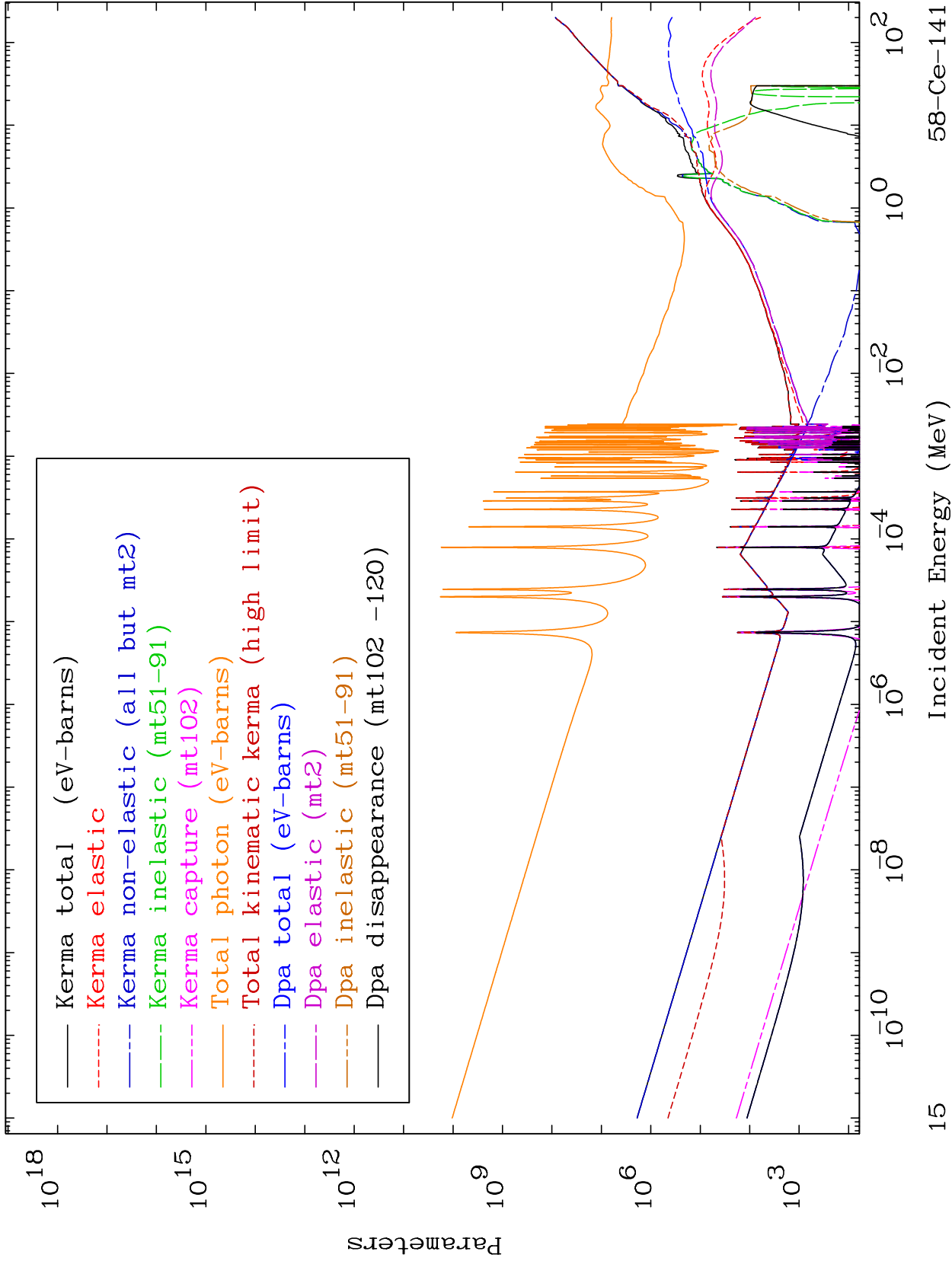
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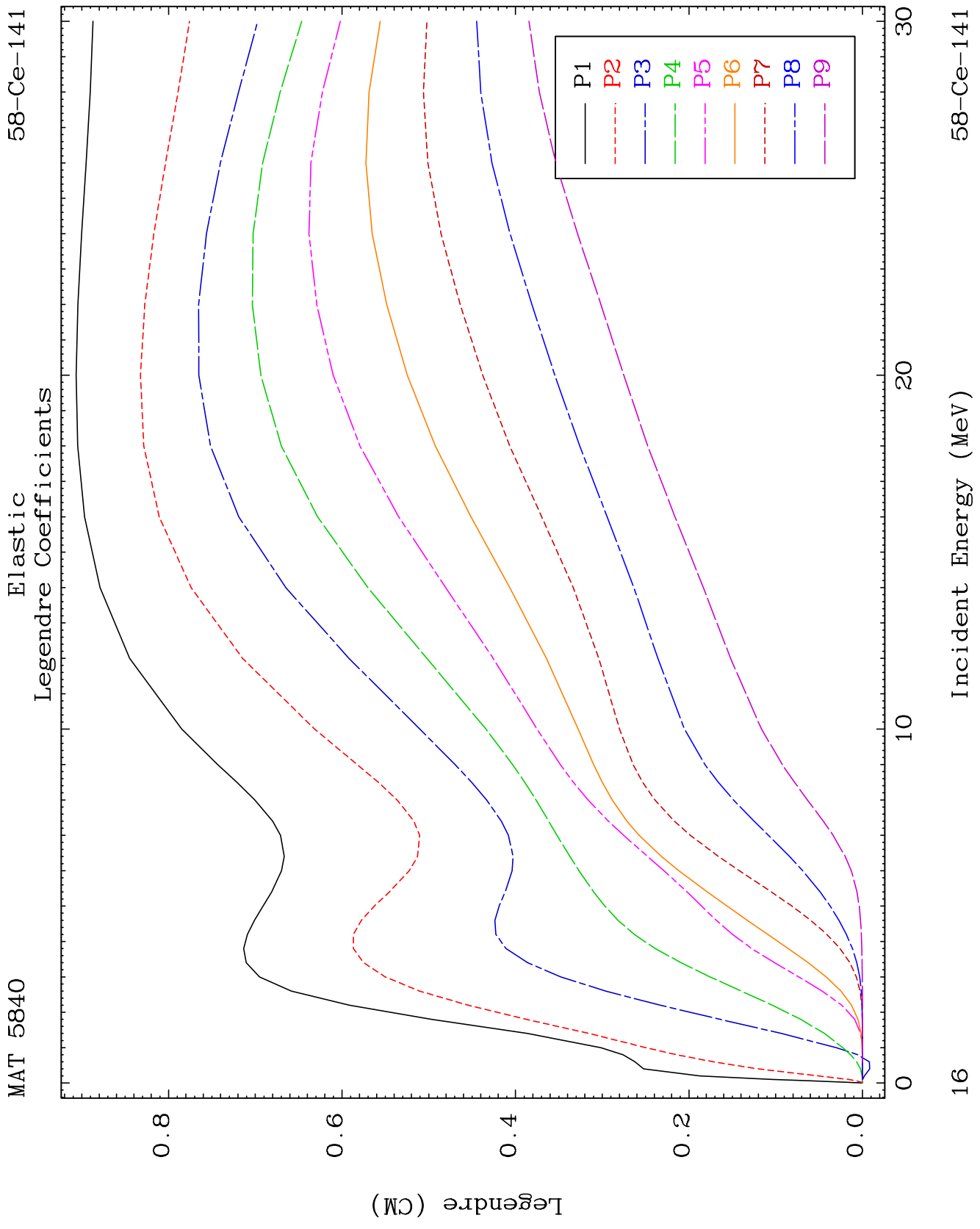


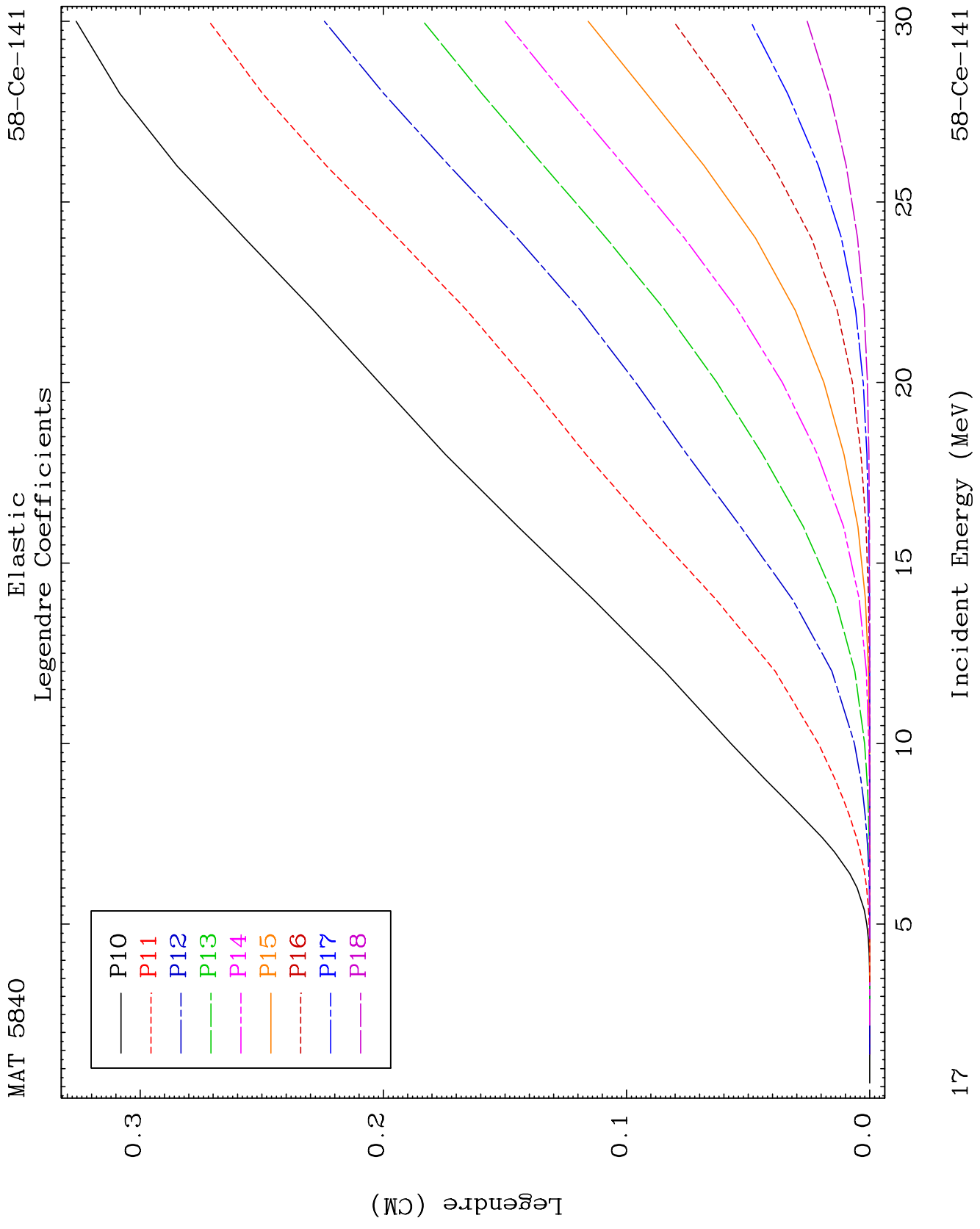
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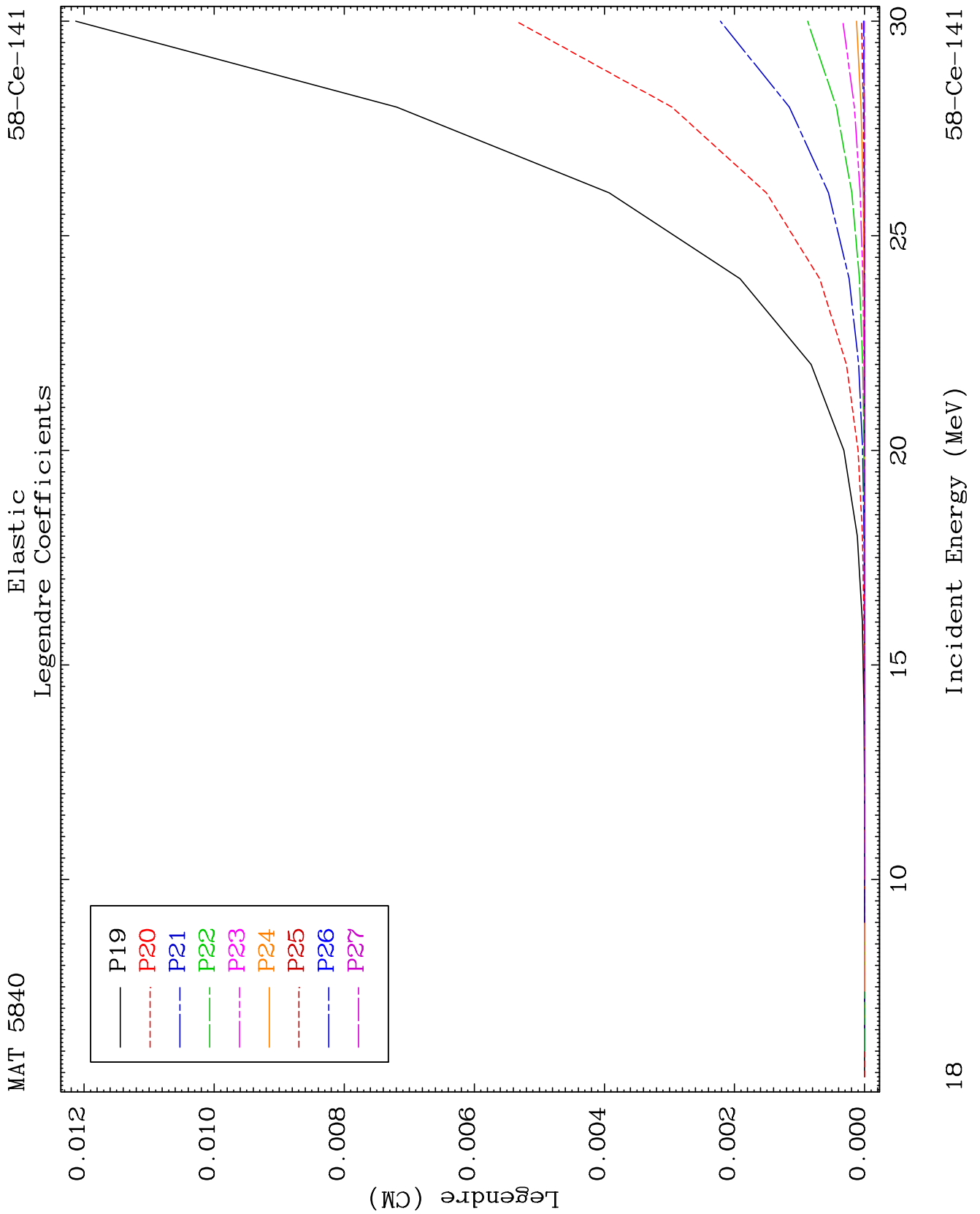
Incident Energy (MeV)

58-Ce-141





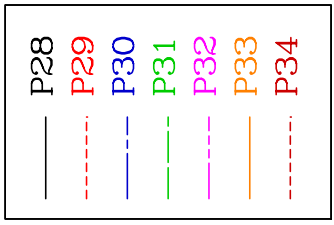




MAT 5840

Elastic Legendre Coefficients

58-Ce-141



$\times 10^{-6}$

1.2

0.8

0.4

0.0

Legendre (CM)

15

20

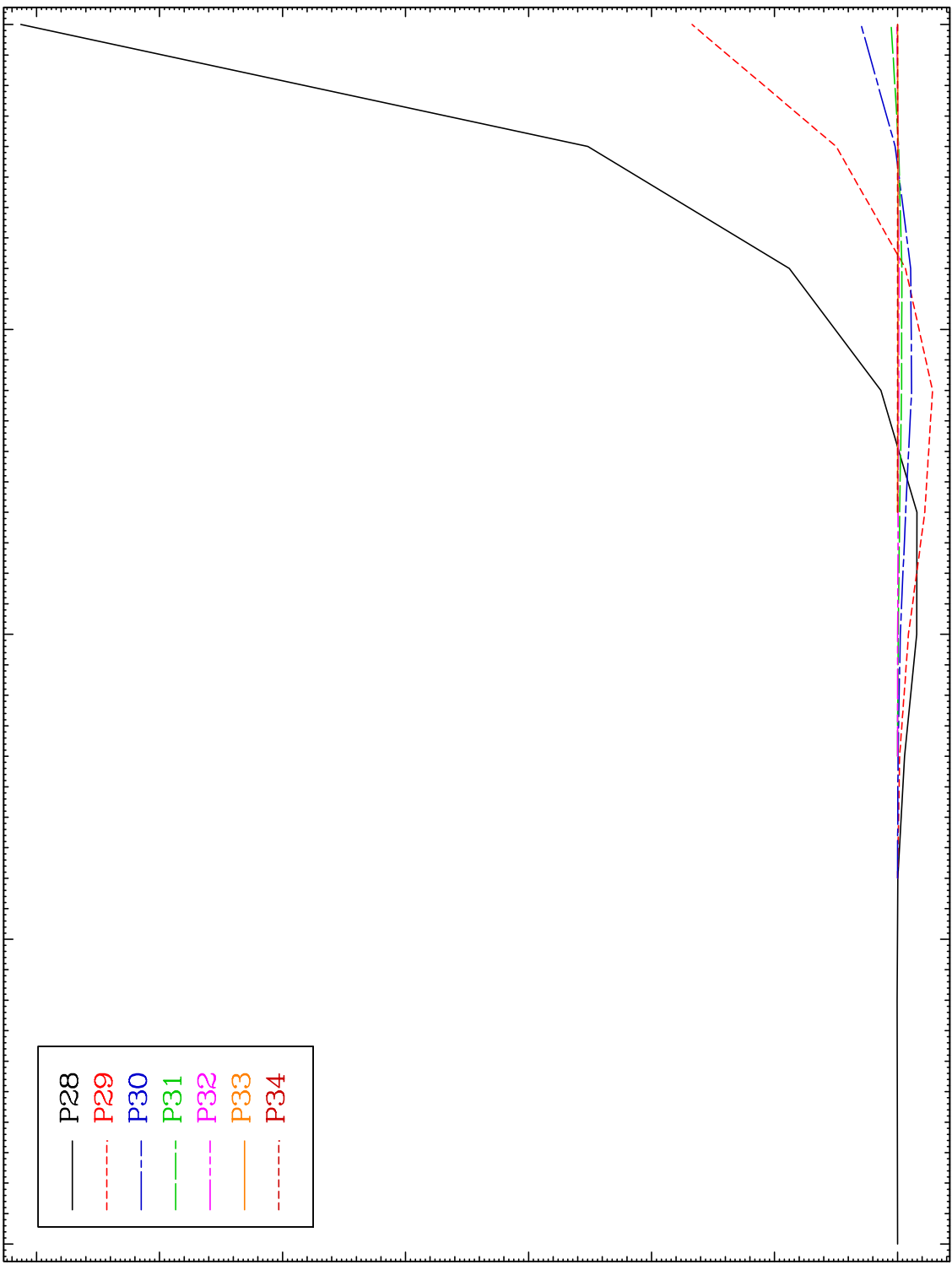
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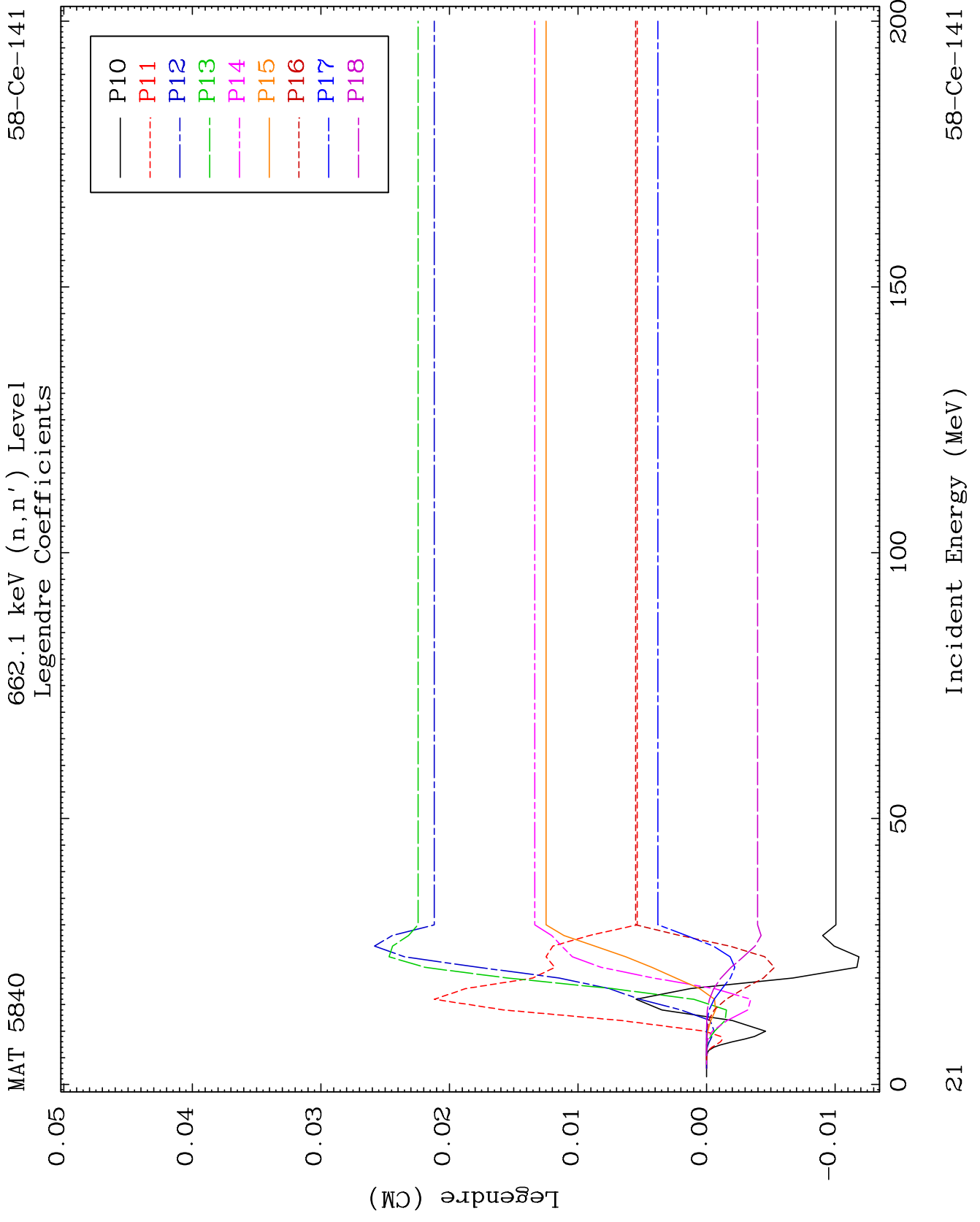
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19

Incident Energy (MeV)

58-Ce-141

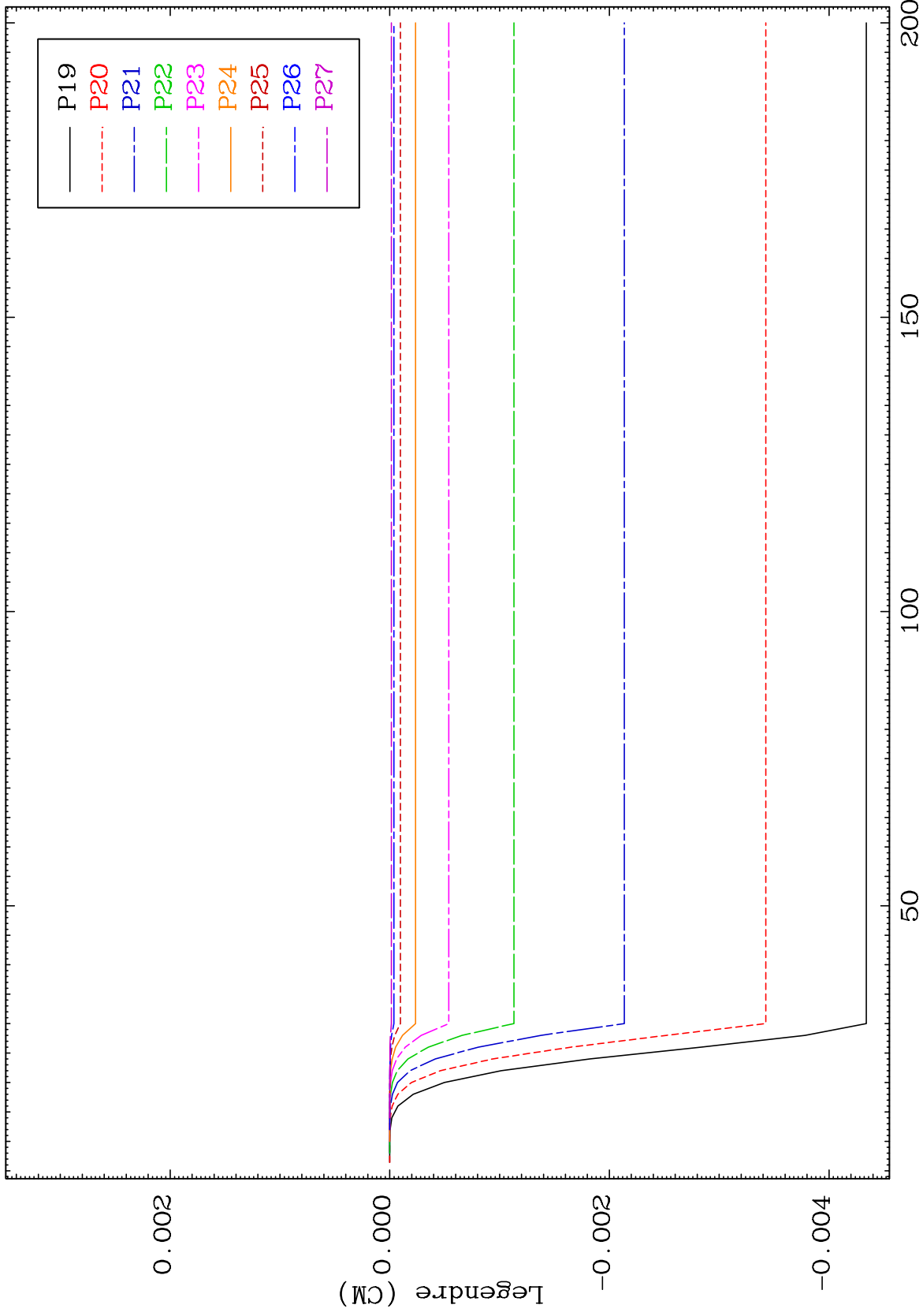




MAT 5840

662.1 keV (n,n') Level
Legendre Coefficients

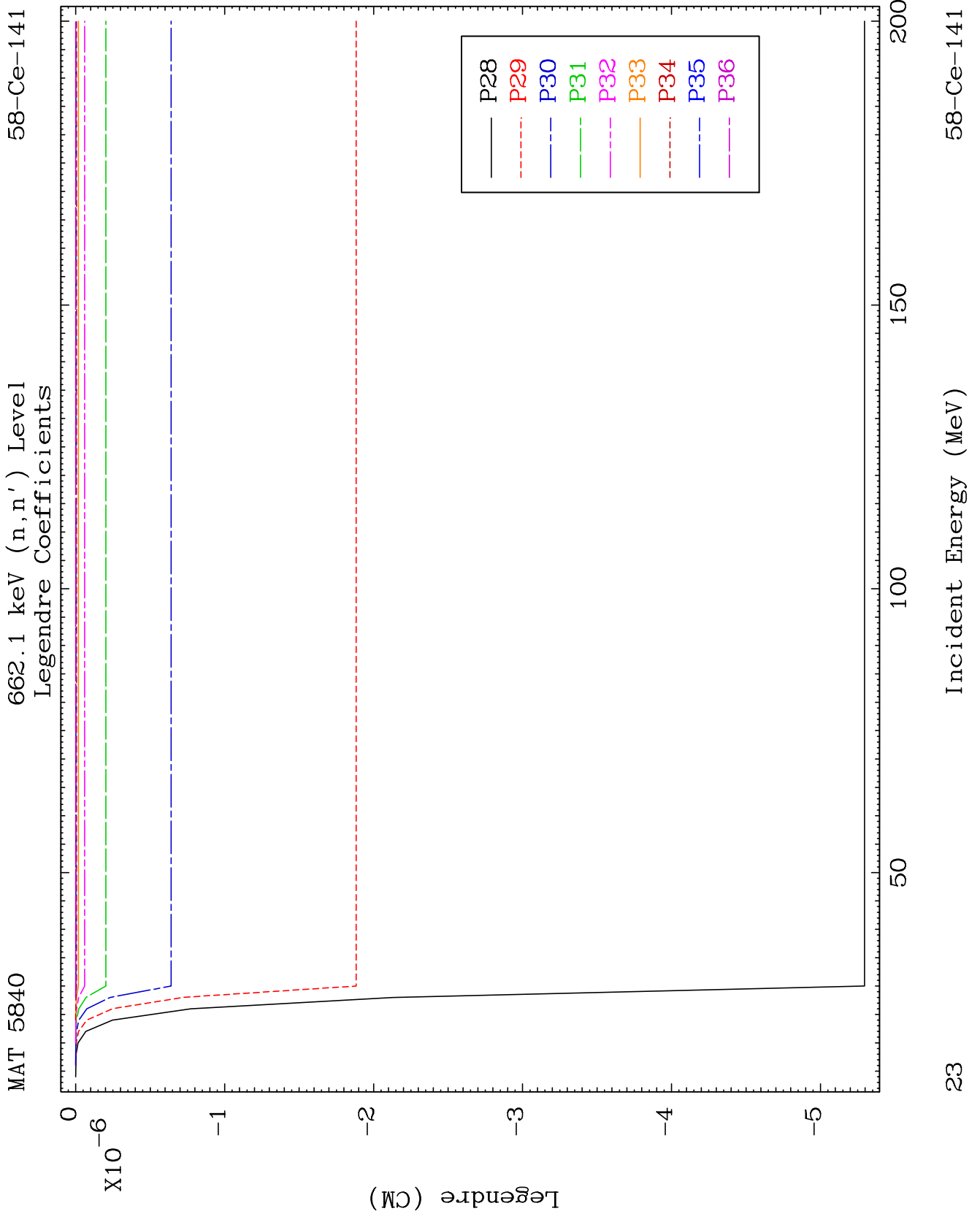
58-Ce-141

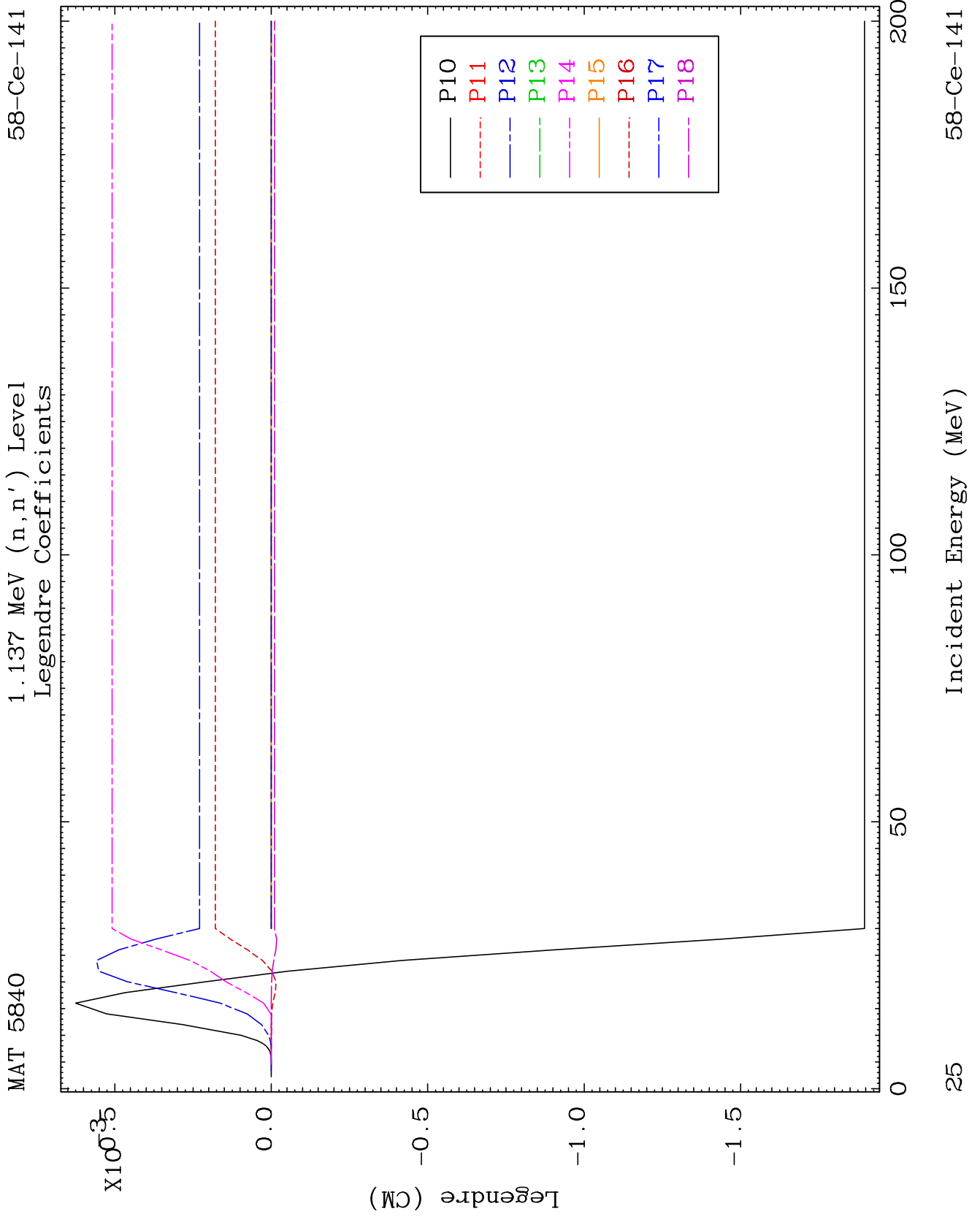


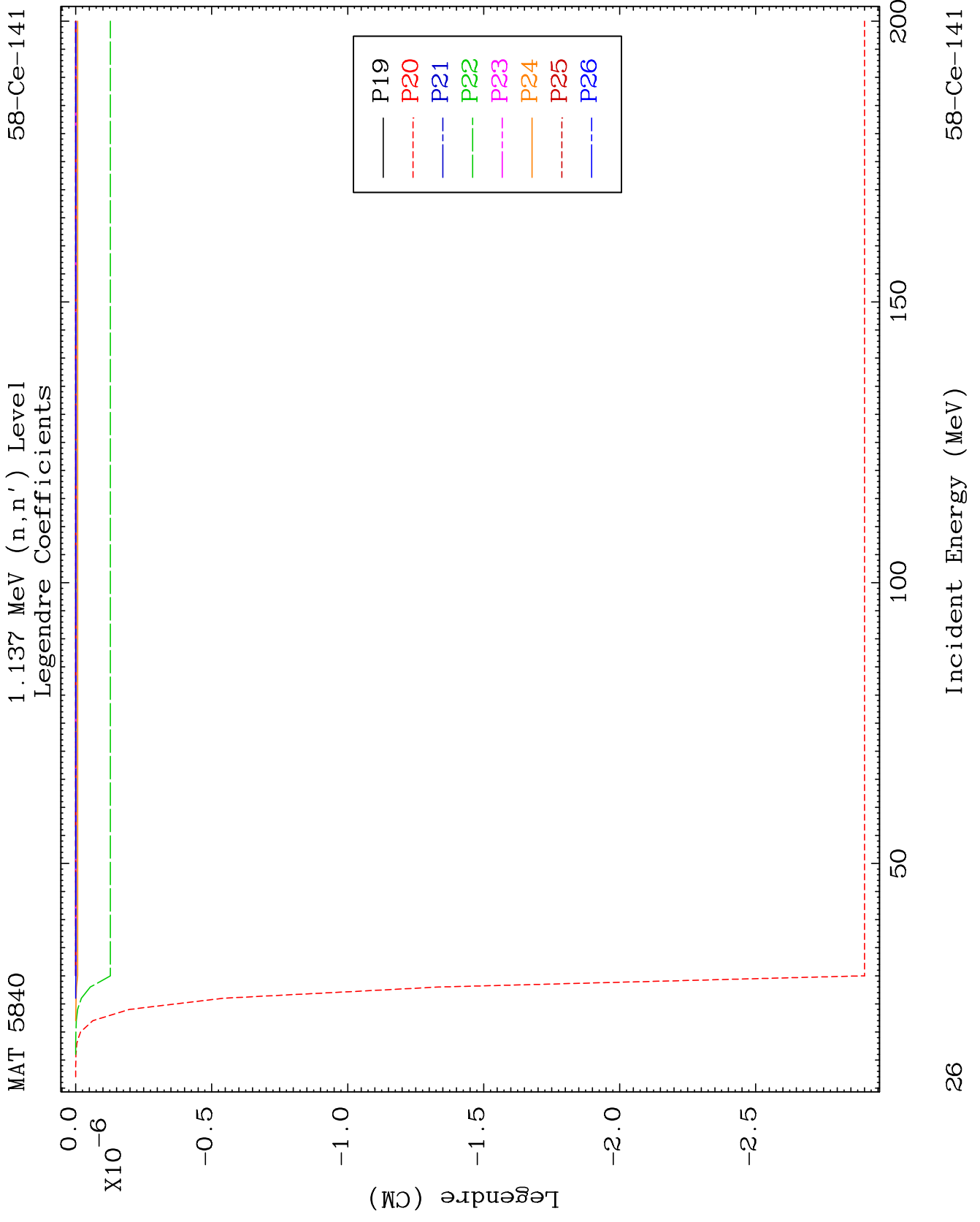
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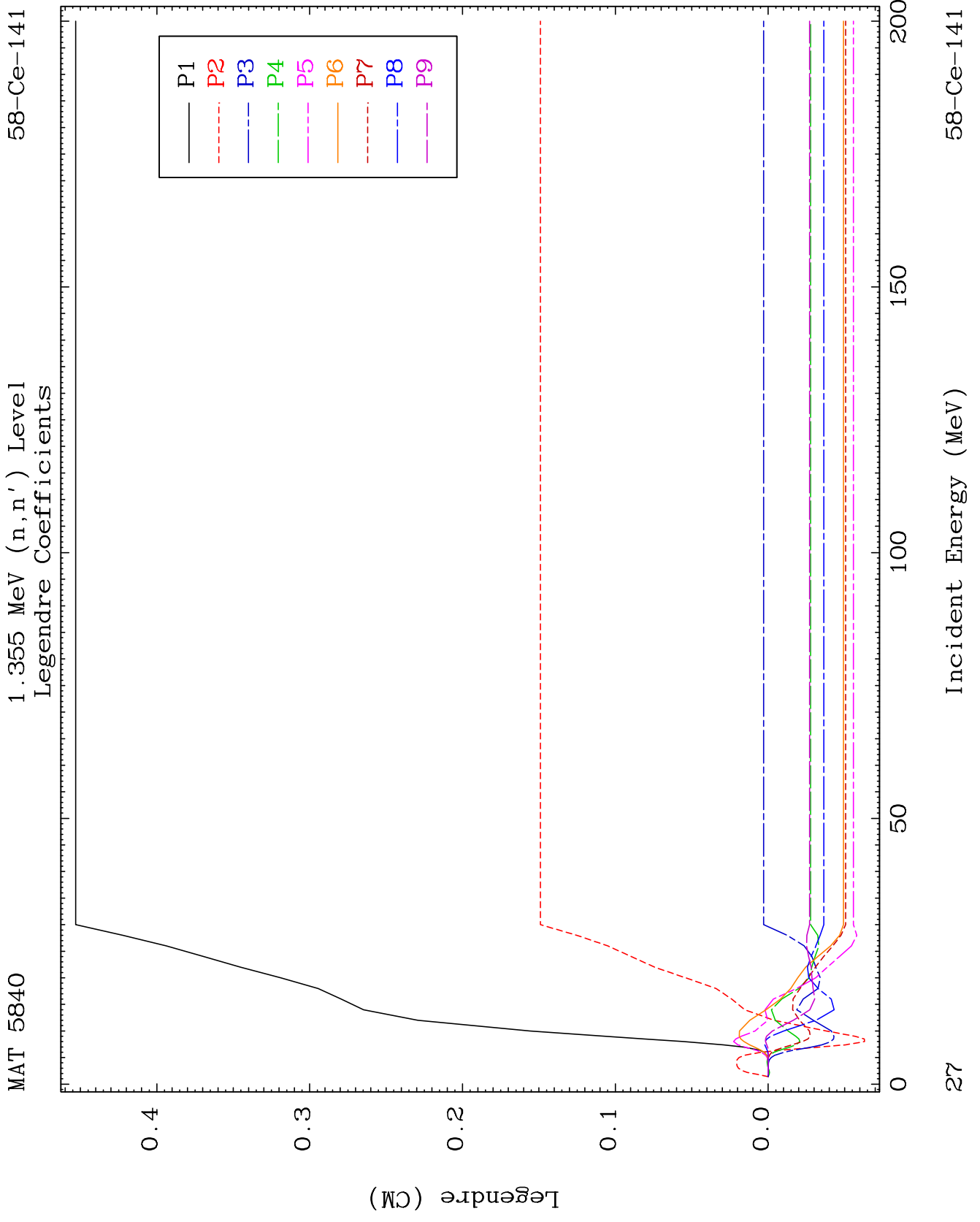
Incident Energy (MeV)

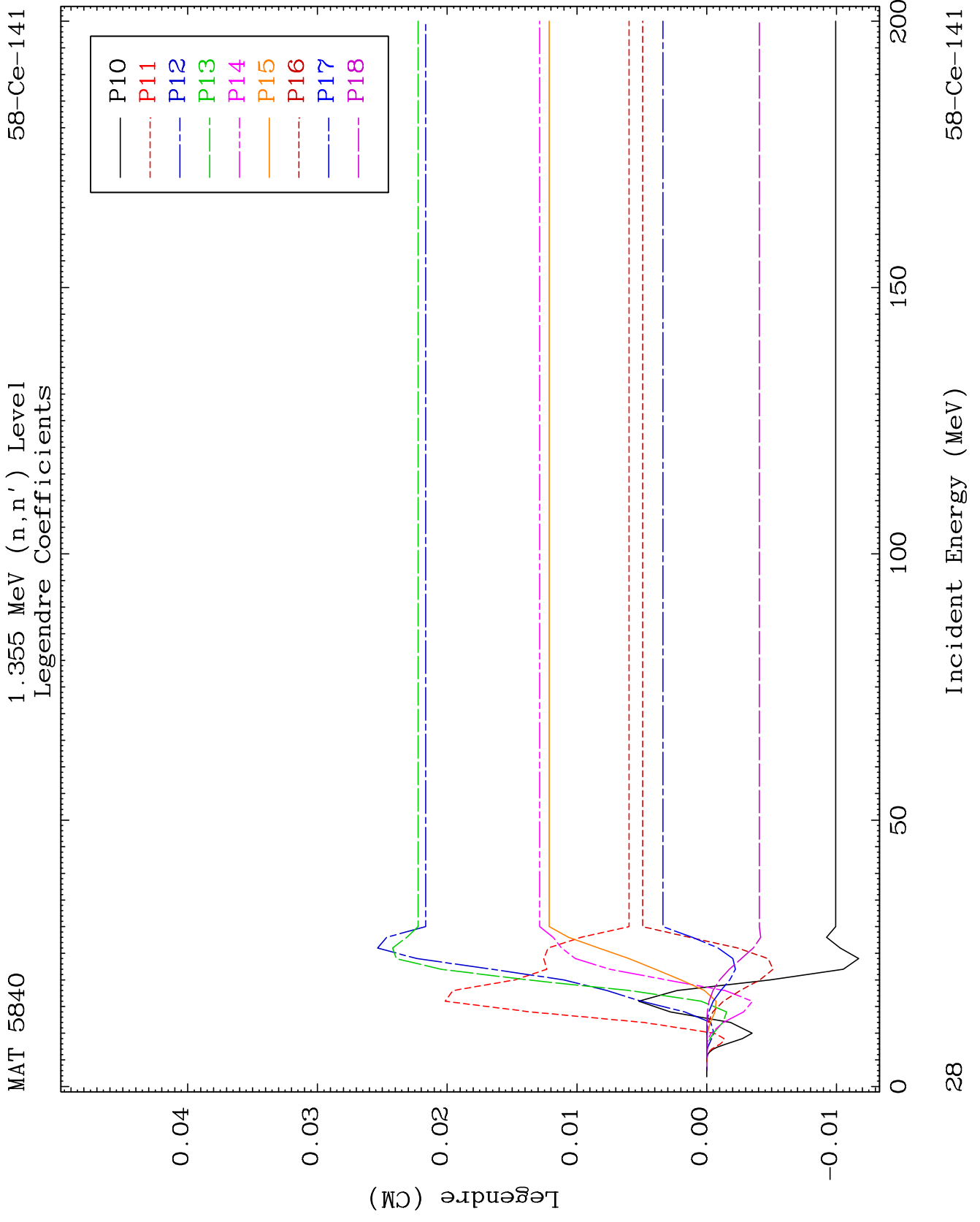
58-Ce-141







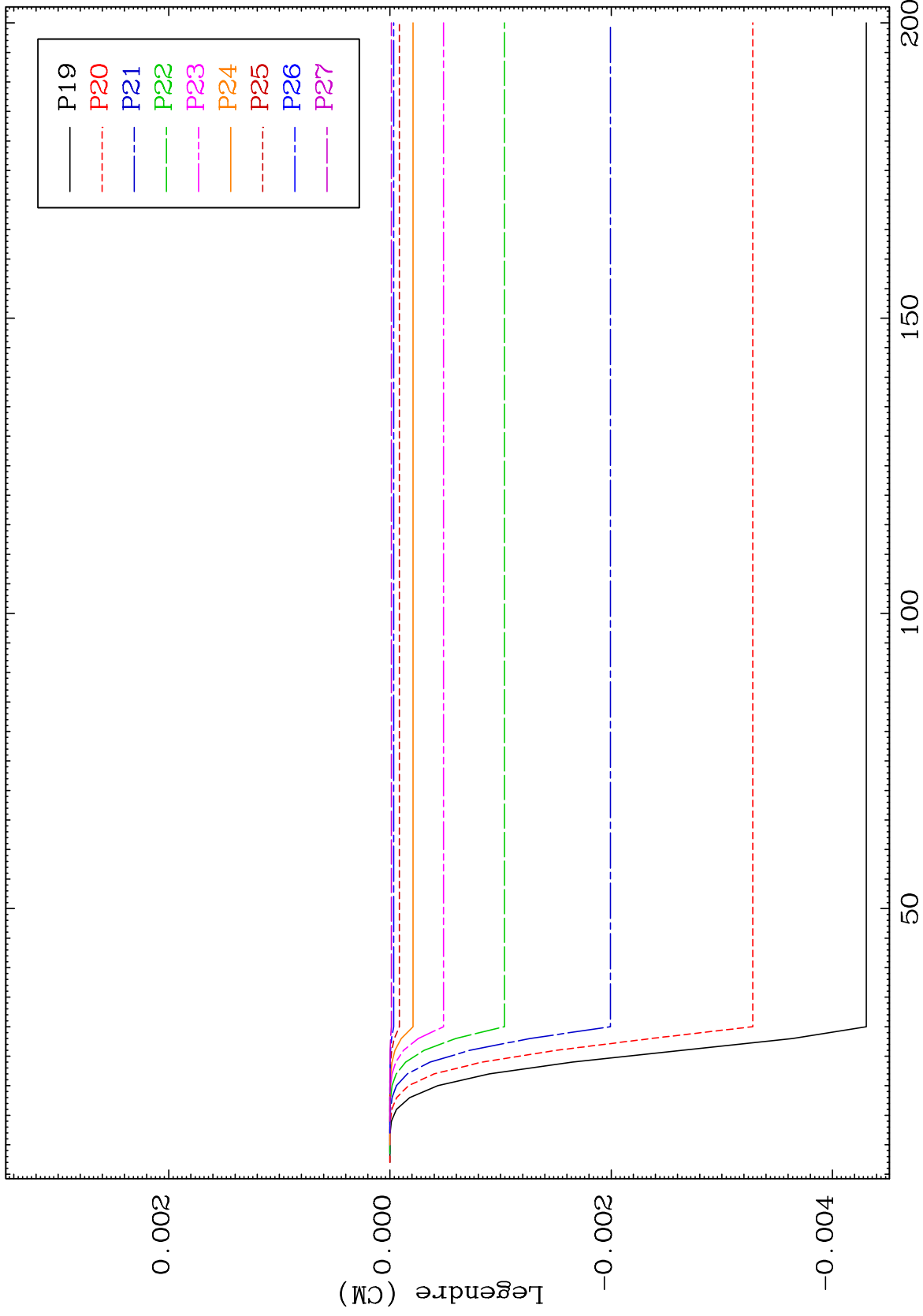




MAT 5840

1.355 MeV (n,n') Level
Legendre Coefficients

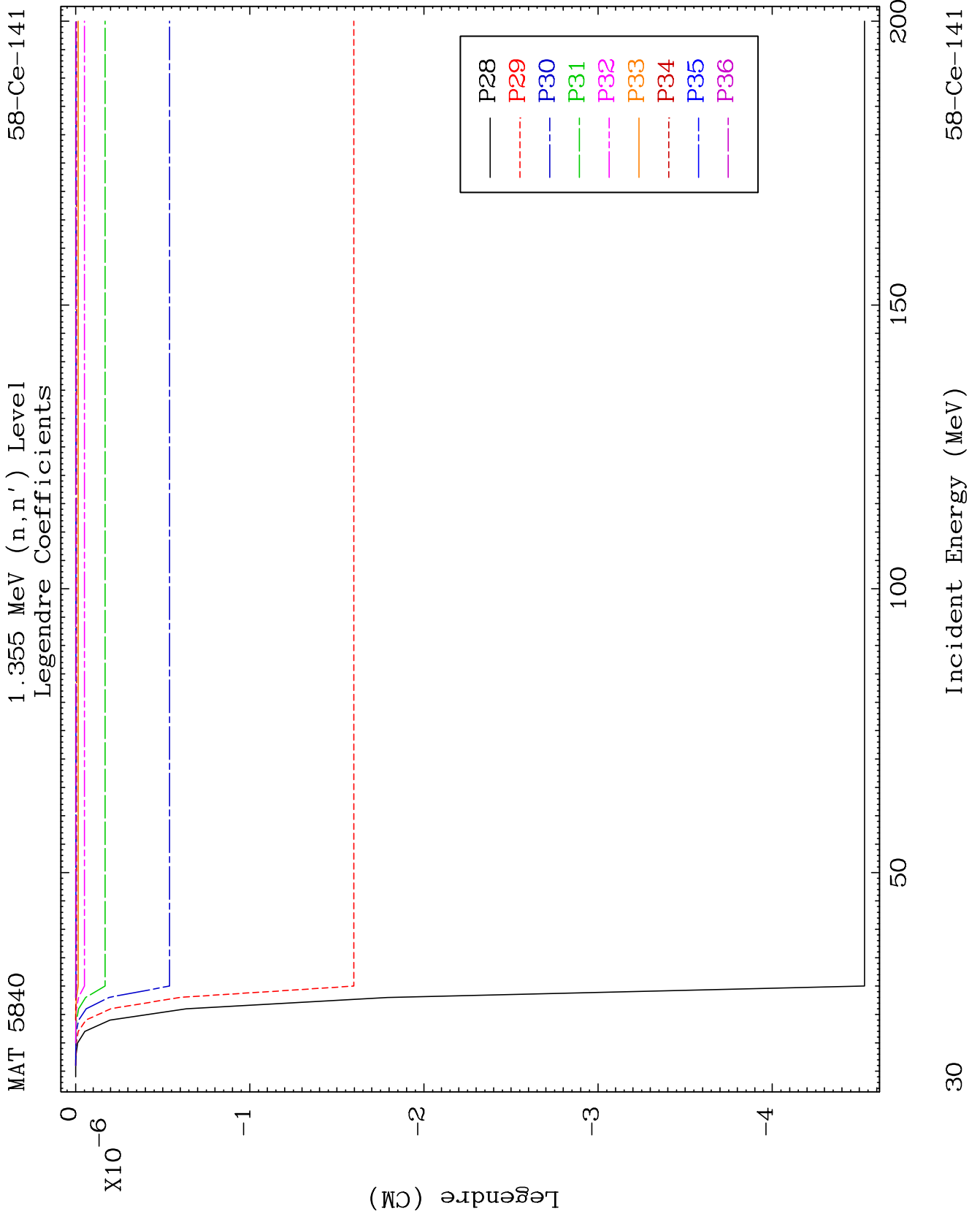
58-Ce-141



29

Incident Energy (MeV)

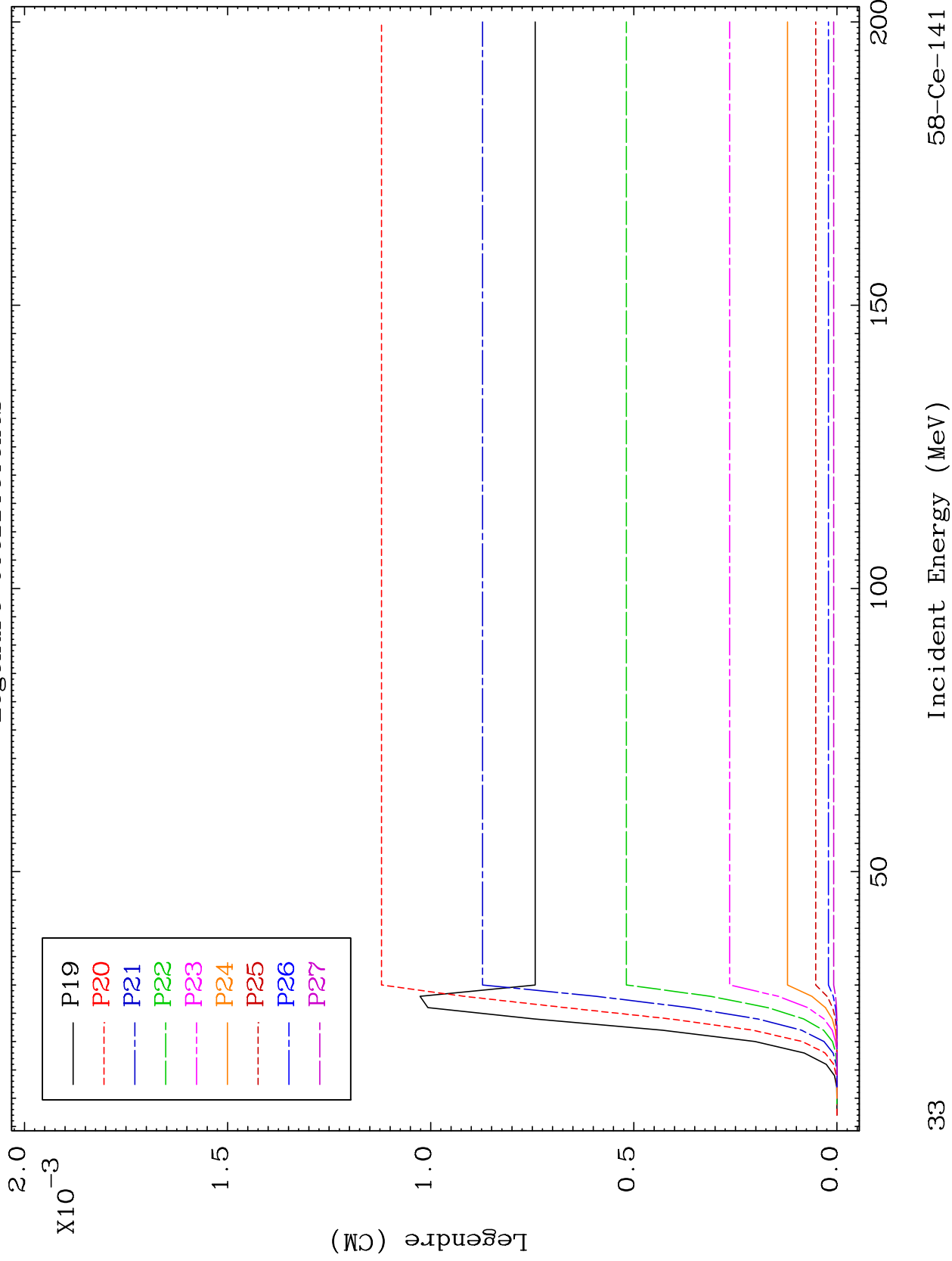
58-Ce-141



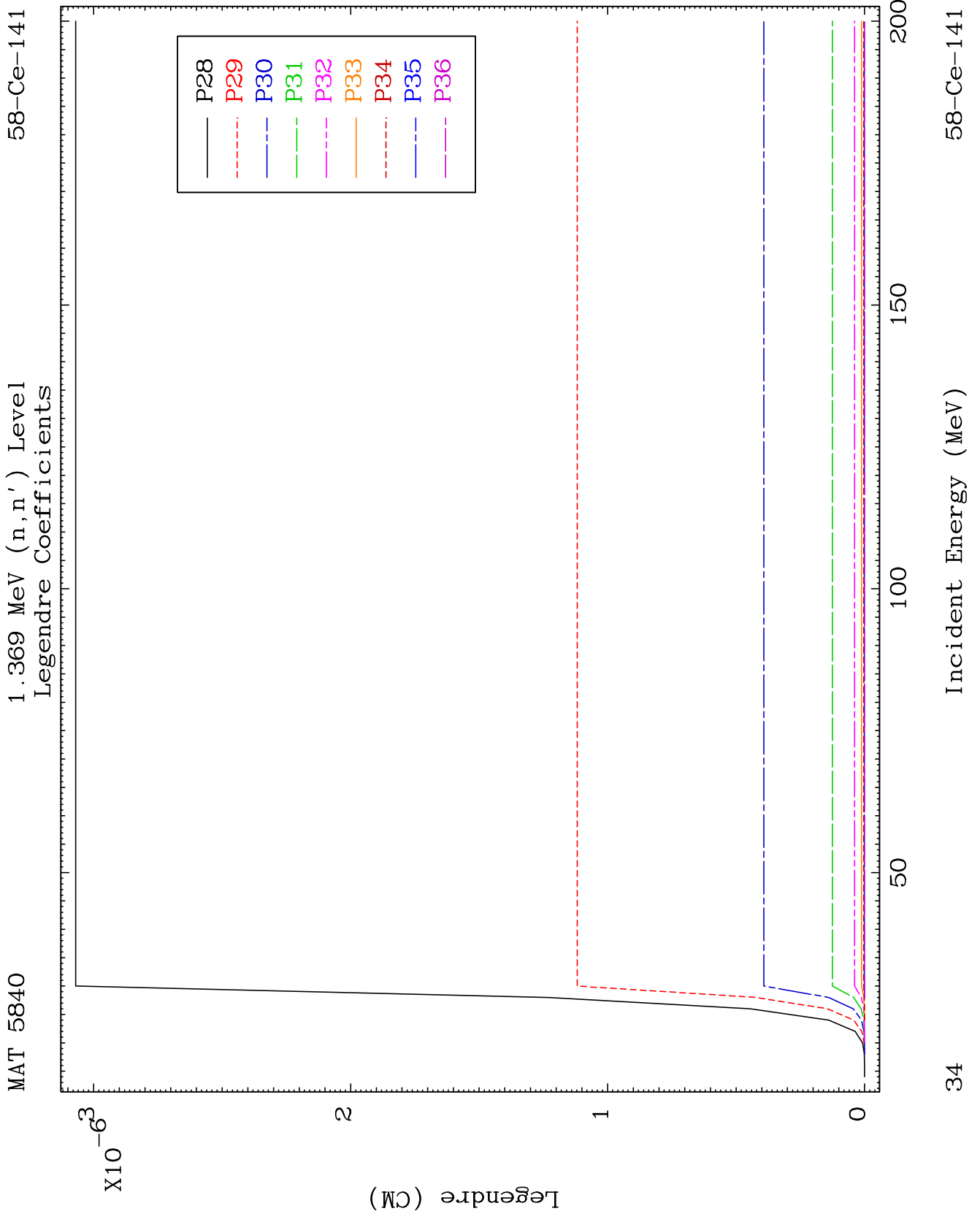
MAT 5840

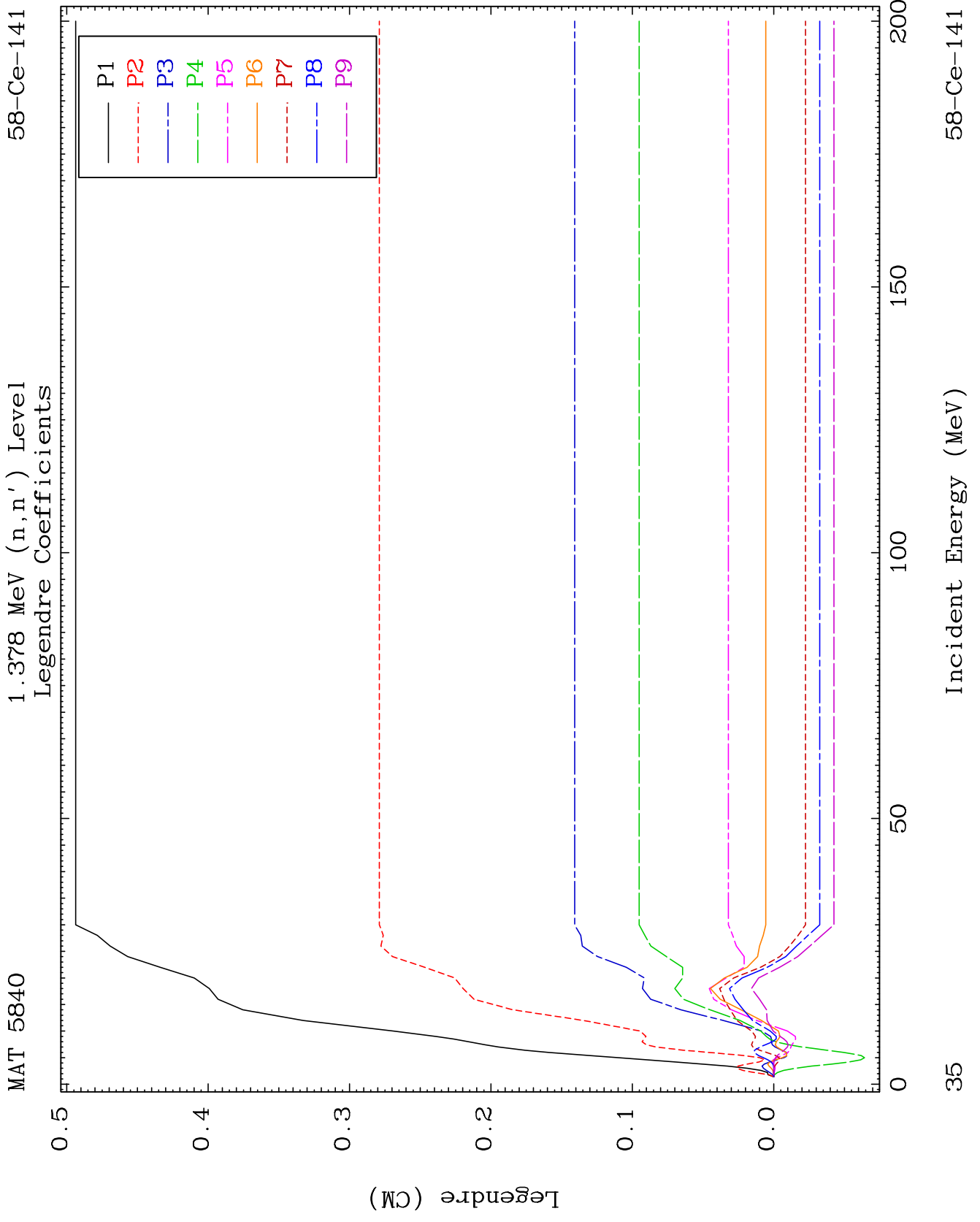
1.369 MeV (n,n') Level
Legendre Coefficients

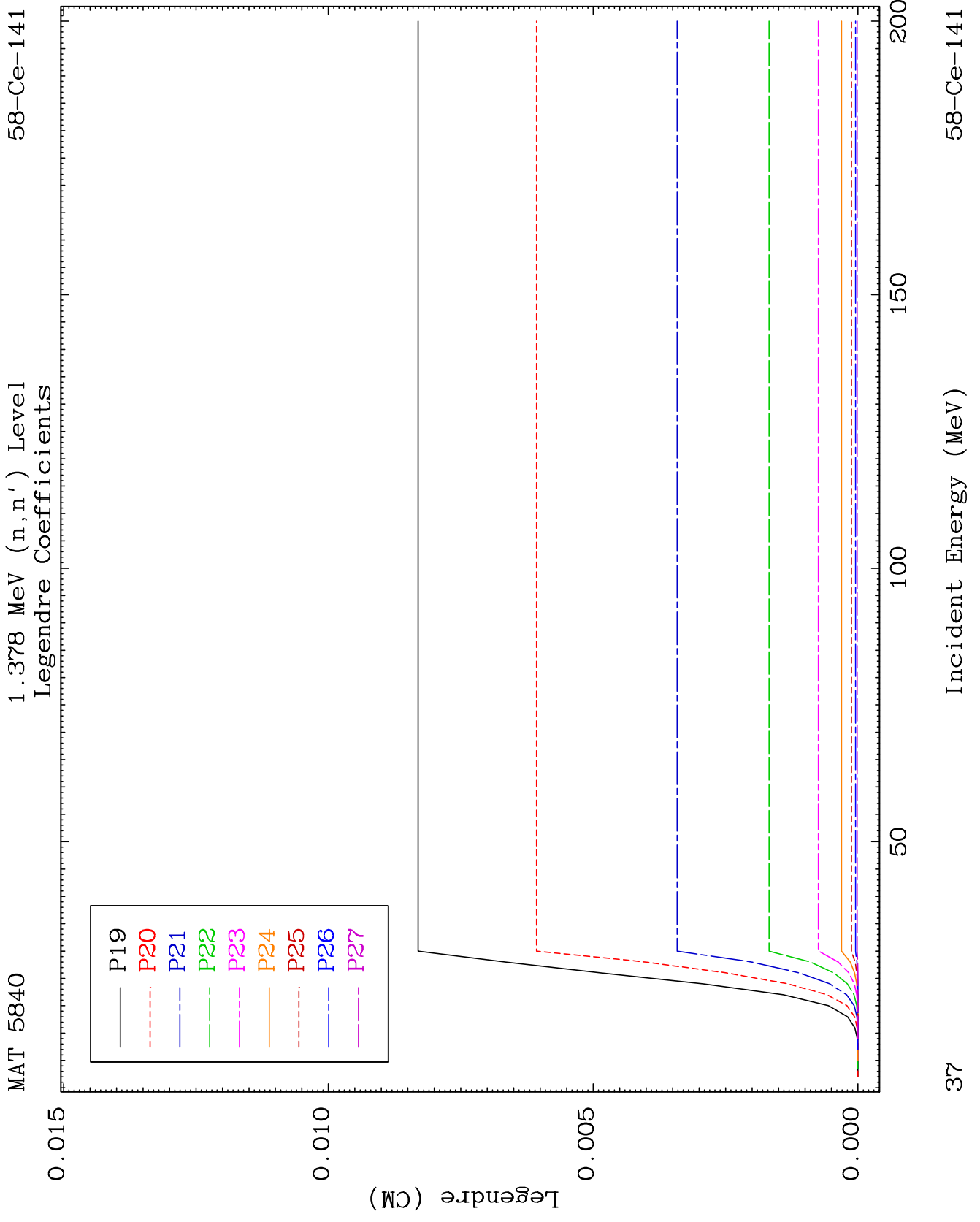
58-Ce-141

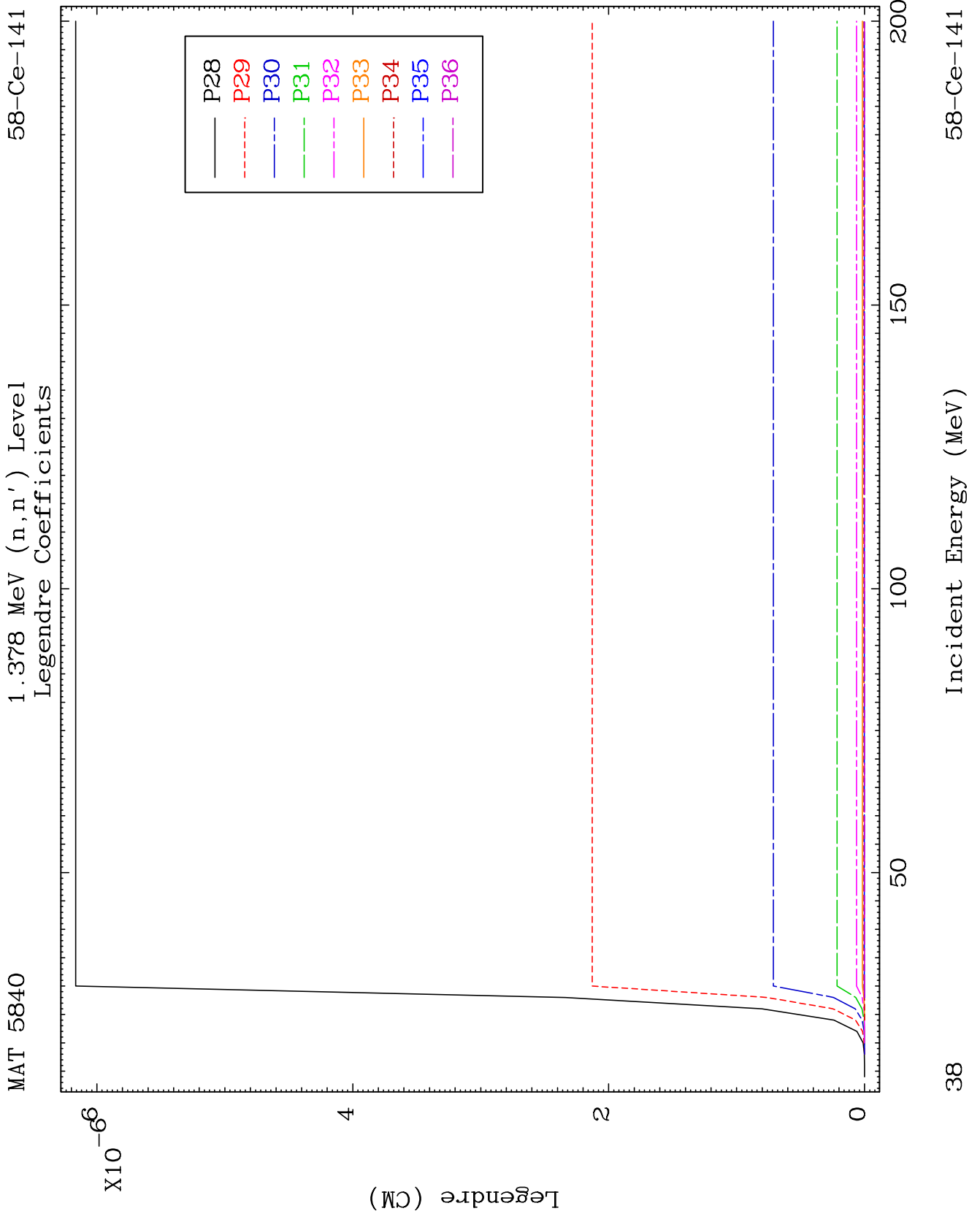


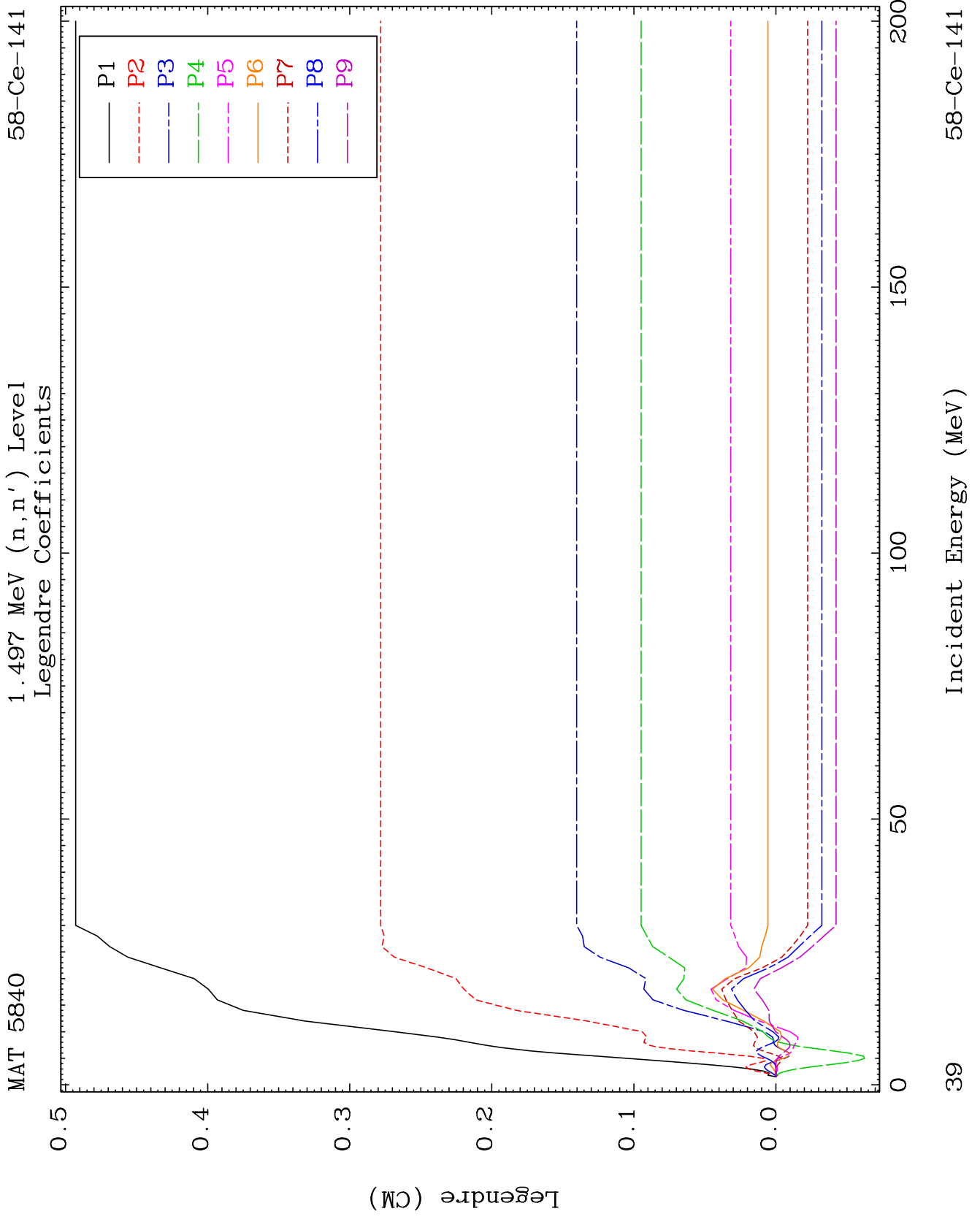
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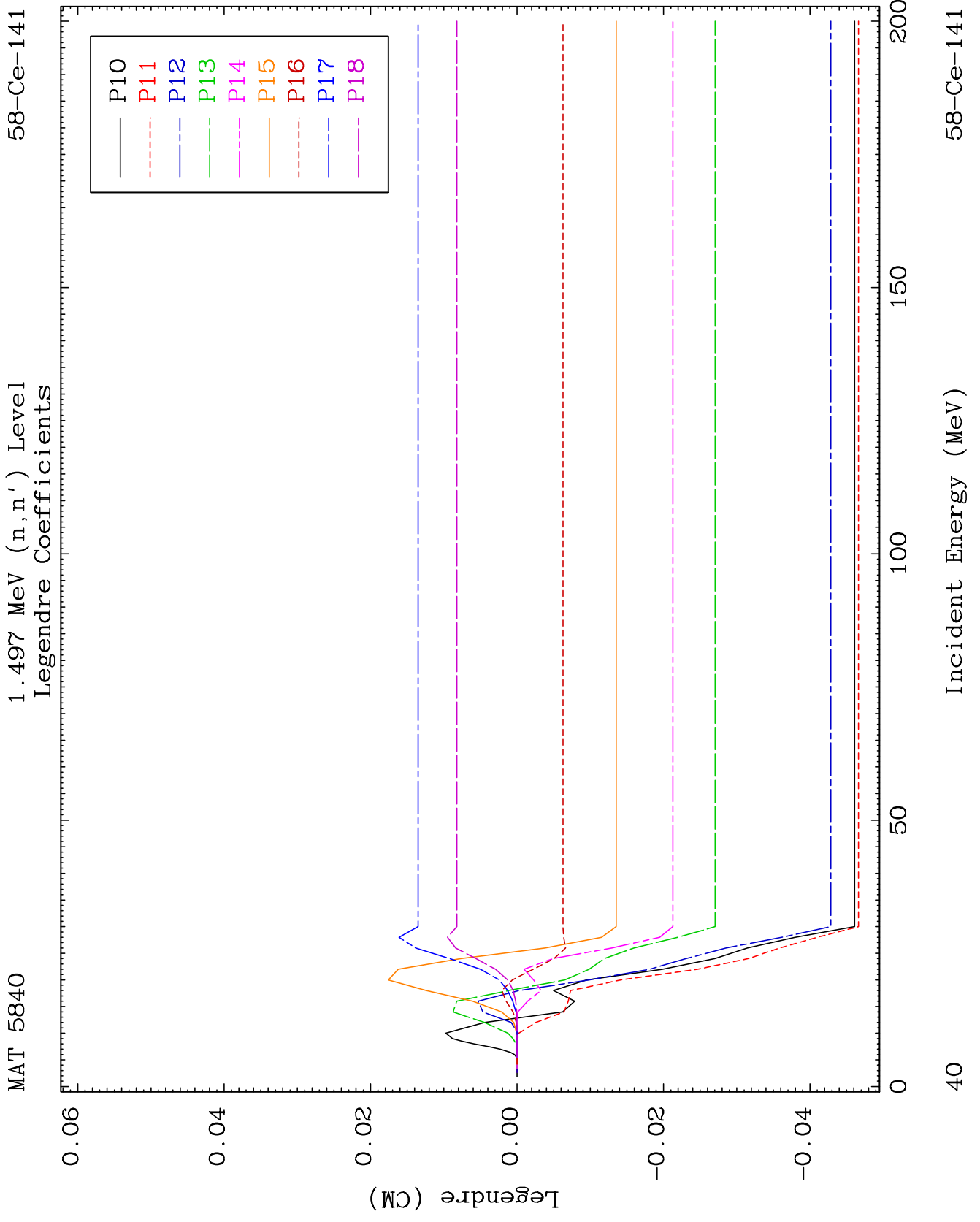








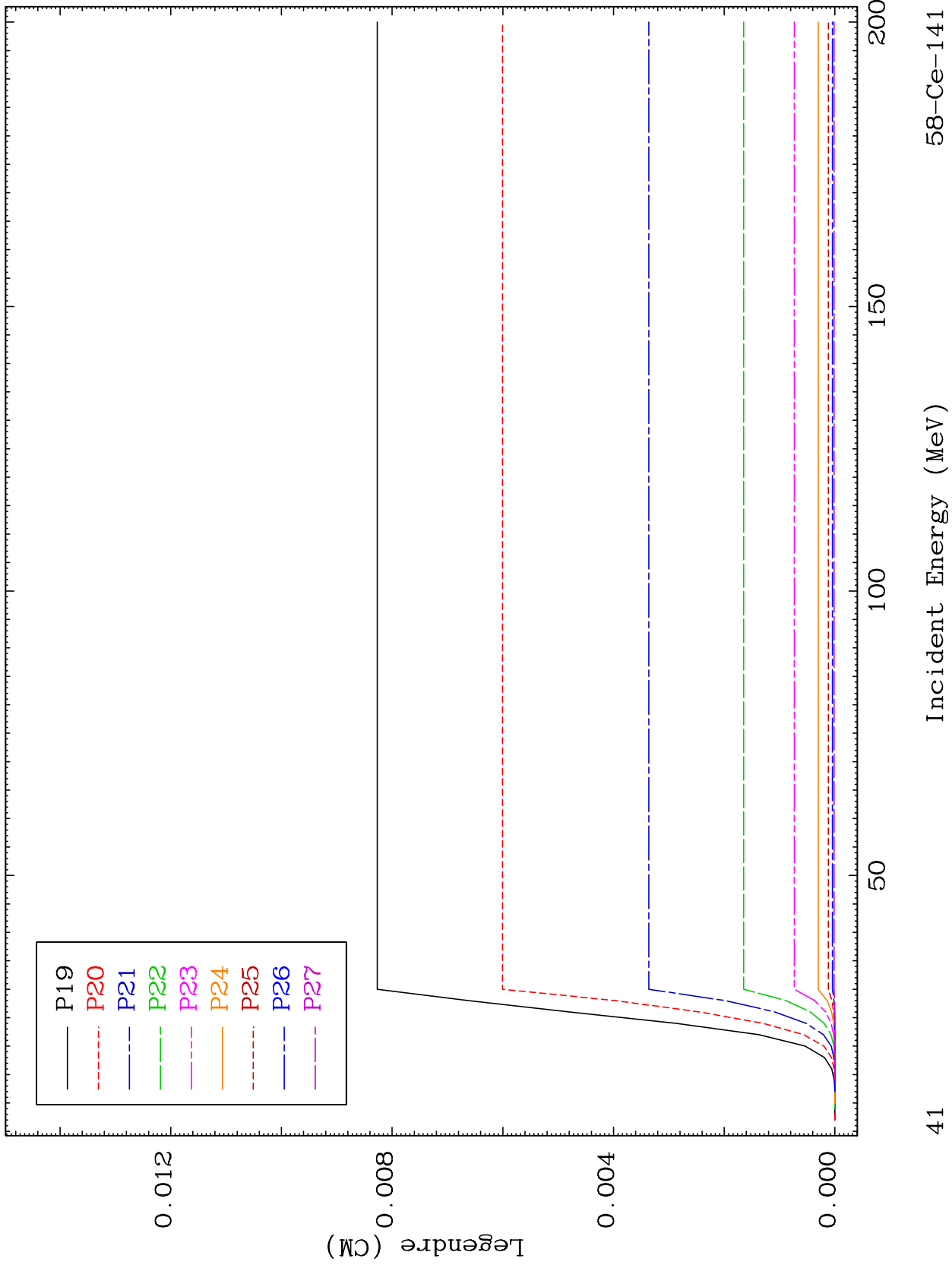




MAT 5840

1.497 MeV (n,n') Level
Legendre Coefficients

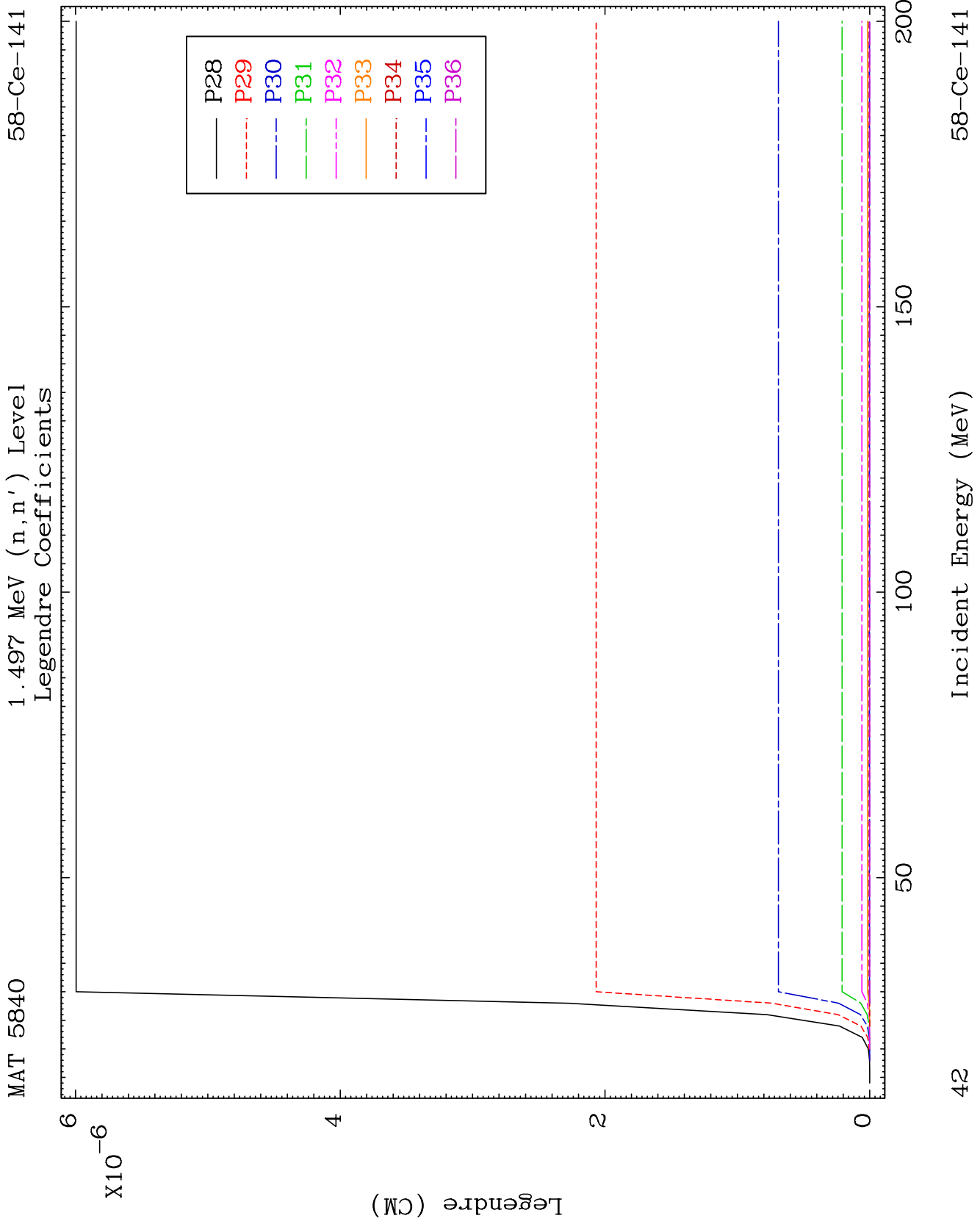
58-Ce-141



41

Incident Energy (MeV)

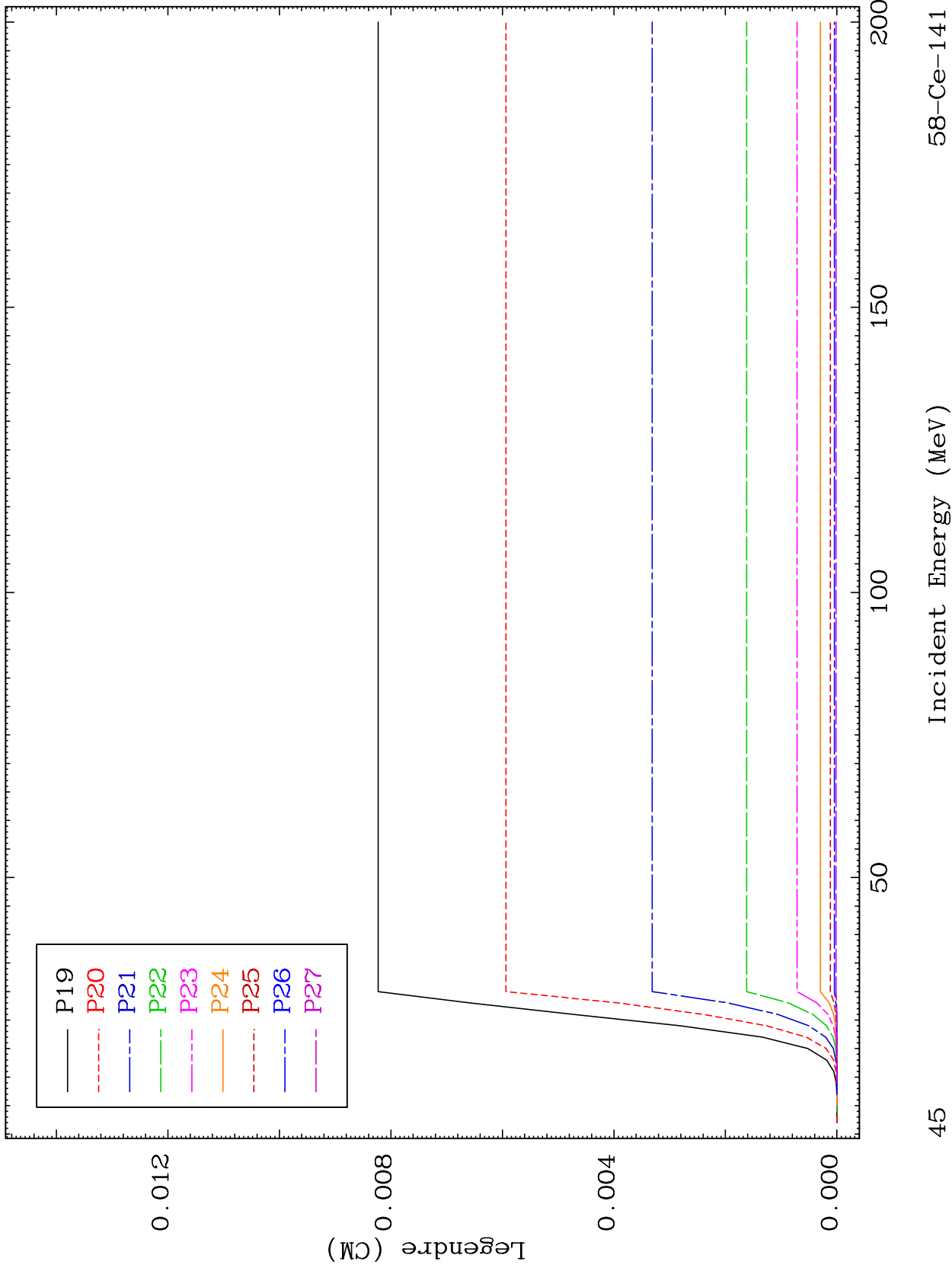
58-Ce-141



MAT 5840

1.626 MeV (n,n') Level
Legendre Coefficients

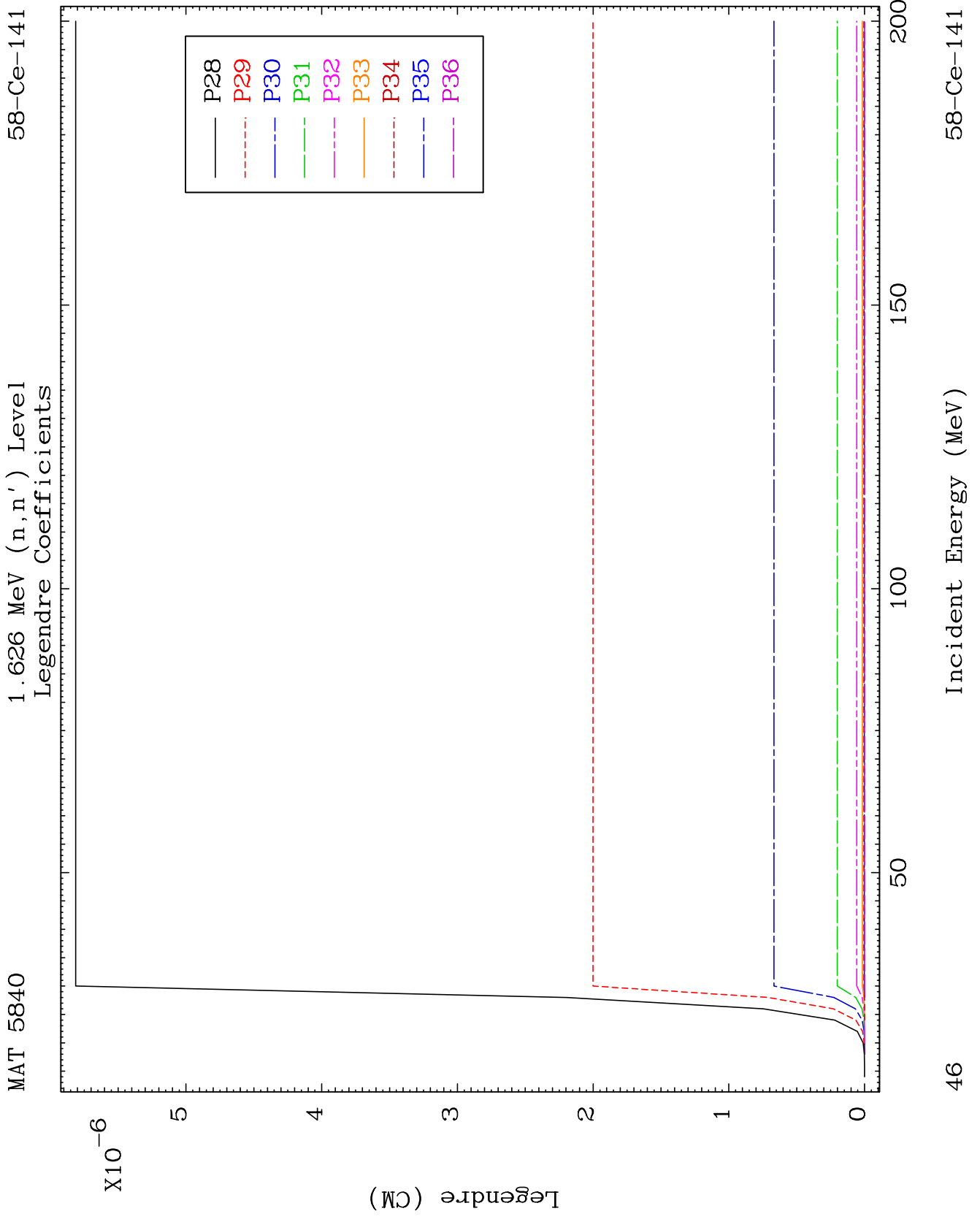
58-Ce-141

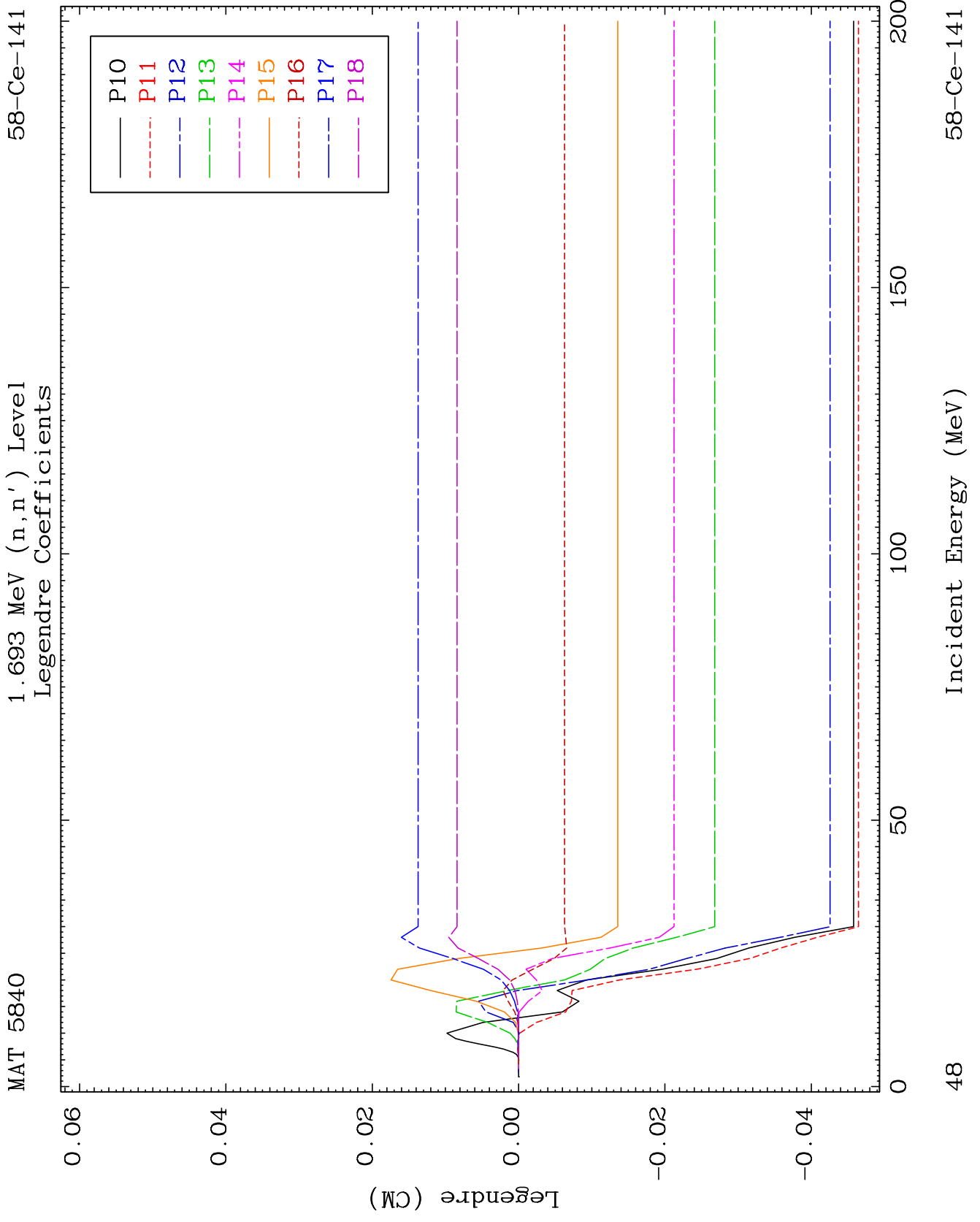


58-Ce-141

Incident Energy (MeV)

45

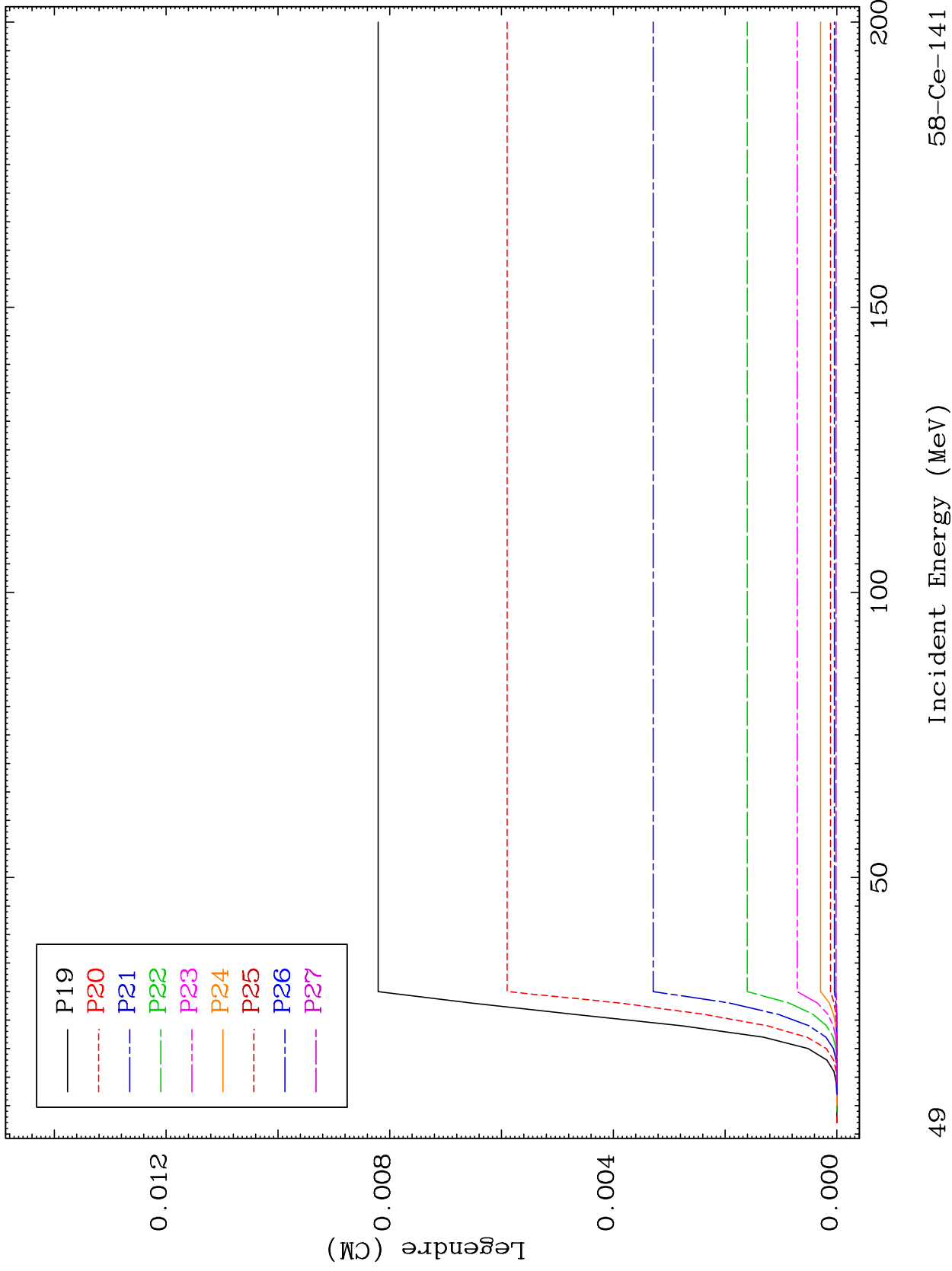




MAT 5840

1.693 MeV (n,n') Level
Legendre Coefficients

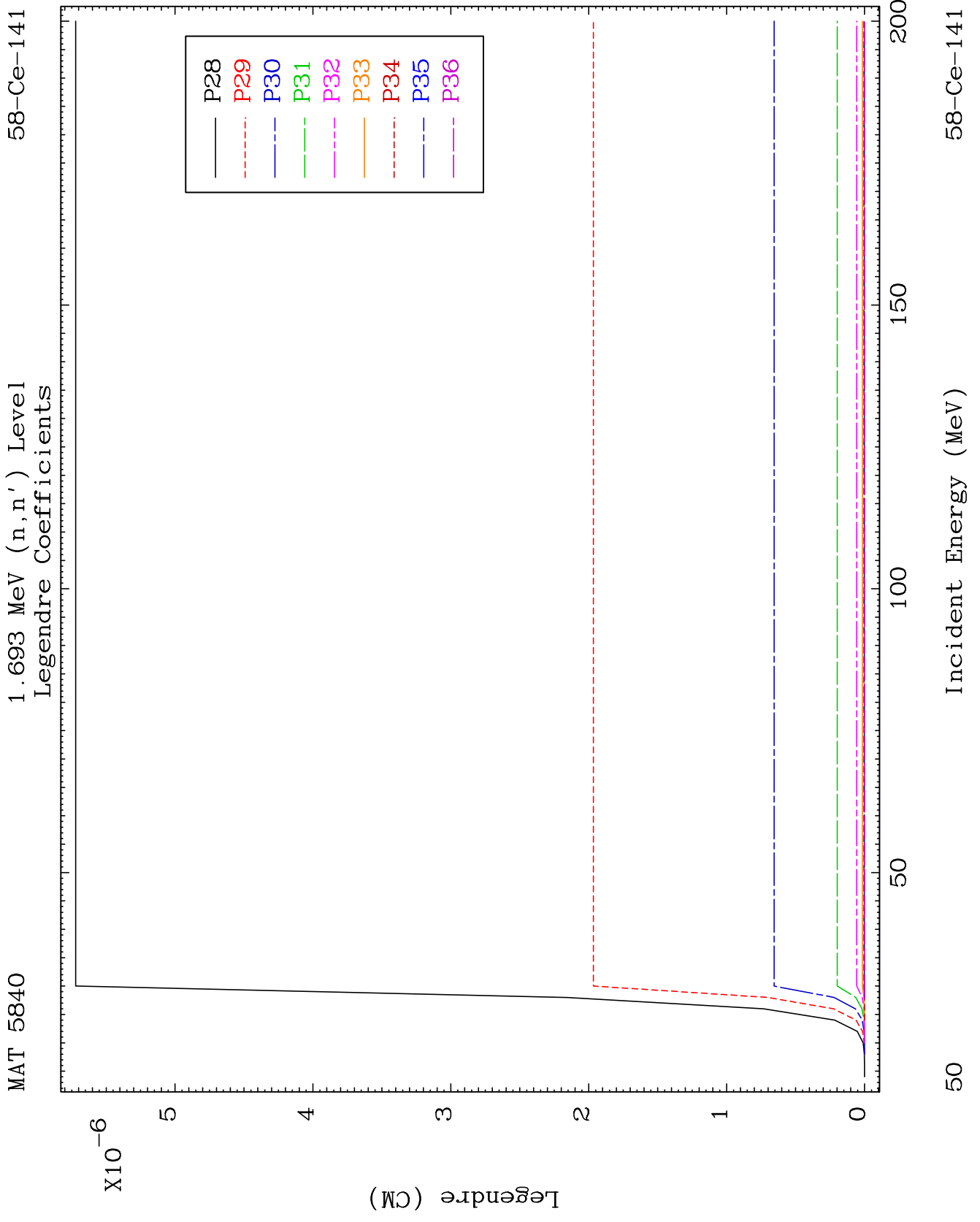
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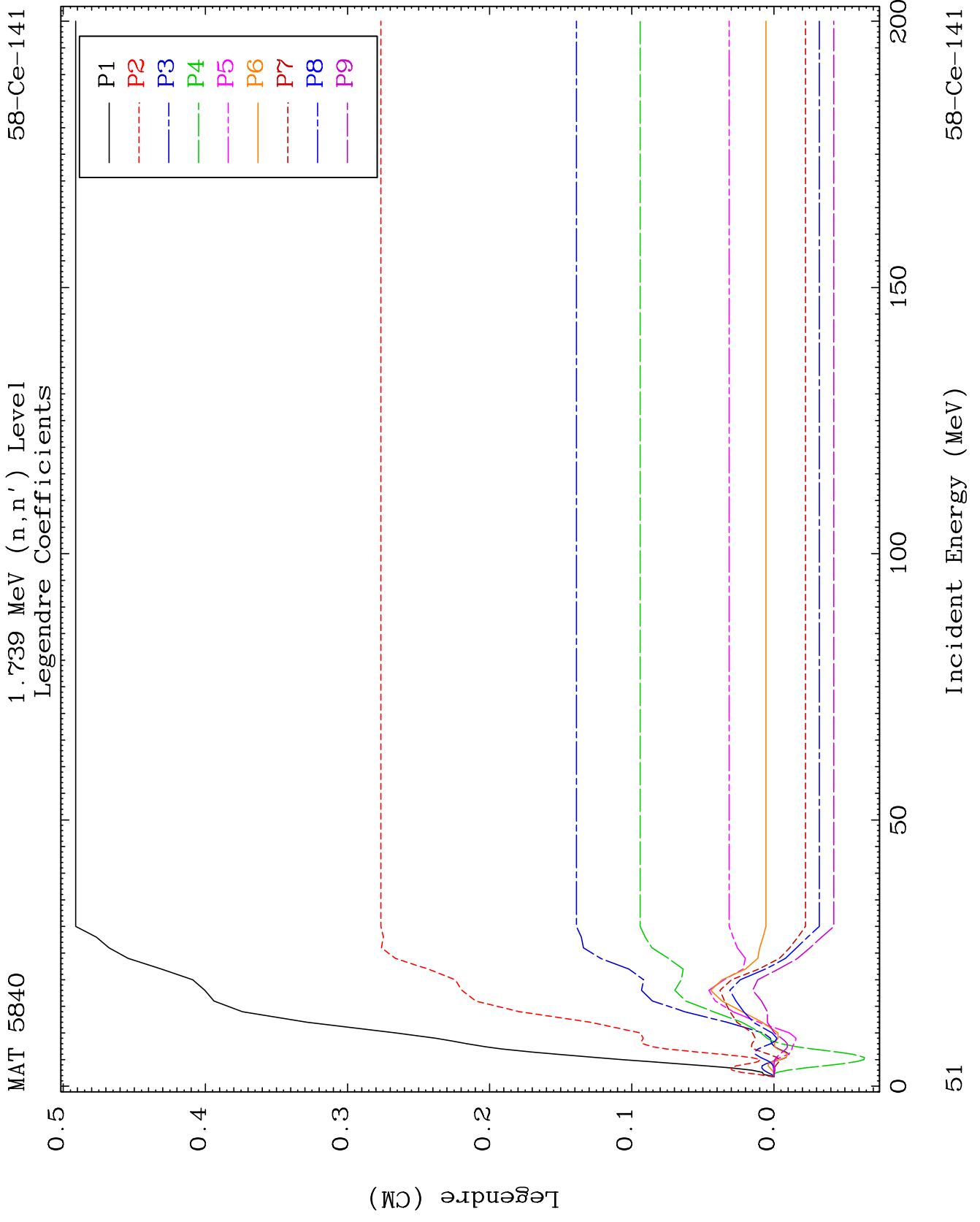


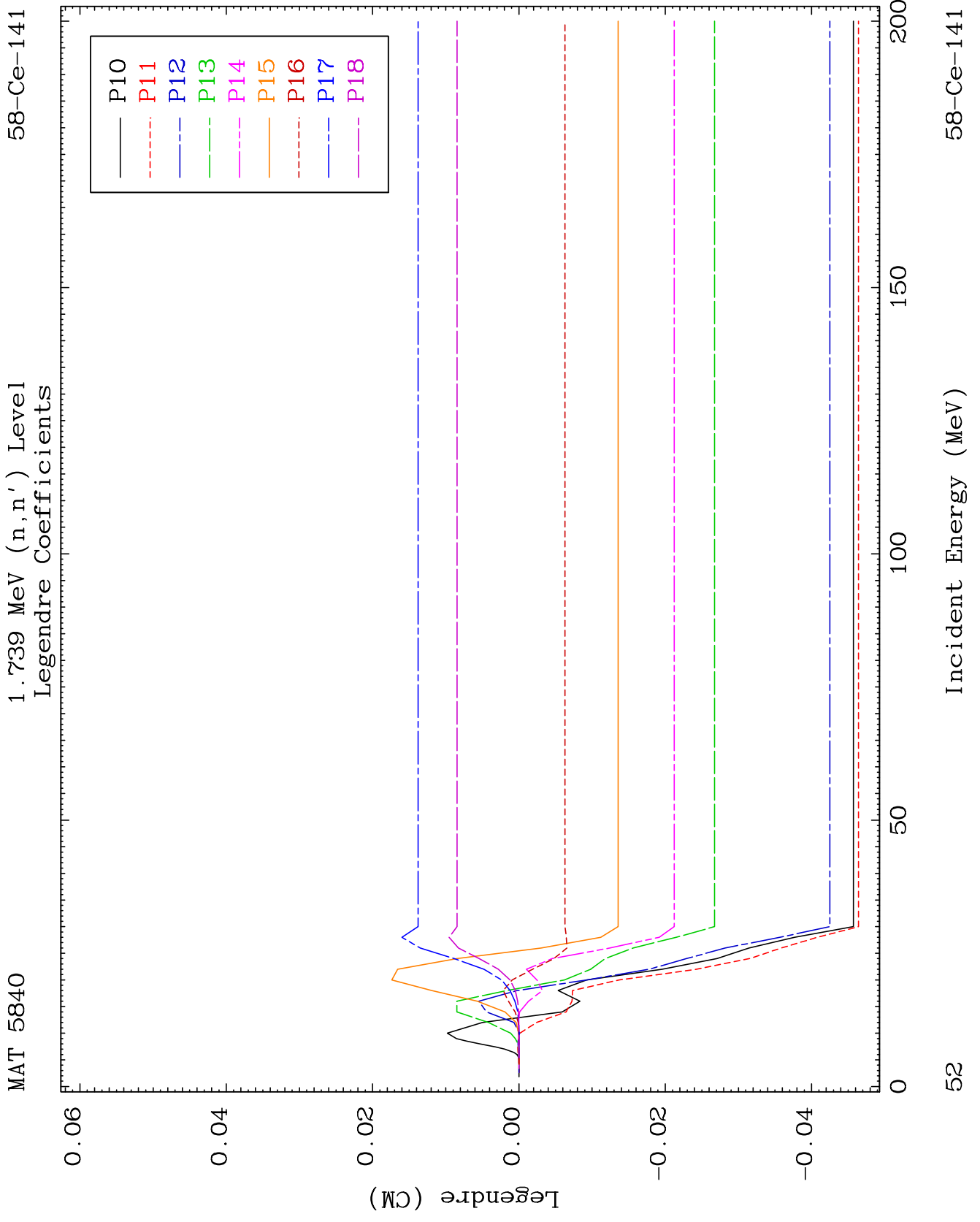
49

Incident Energy (MeV)

58-Ce-141



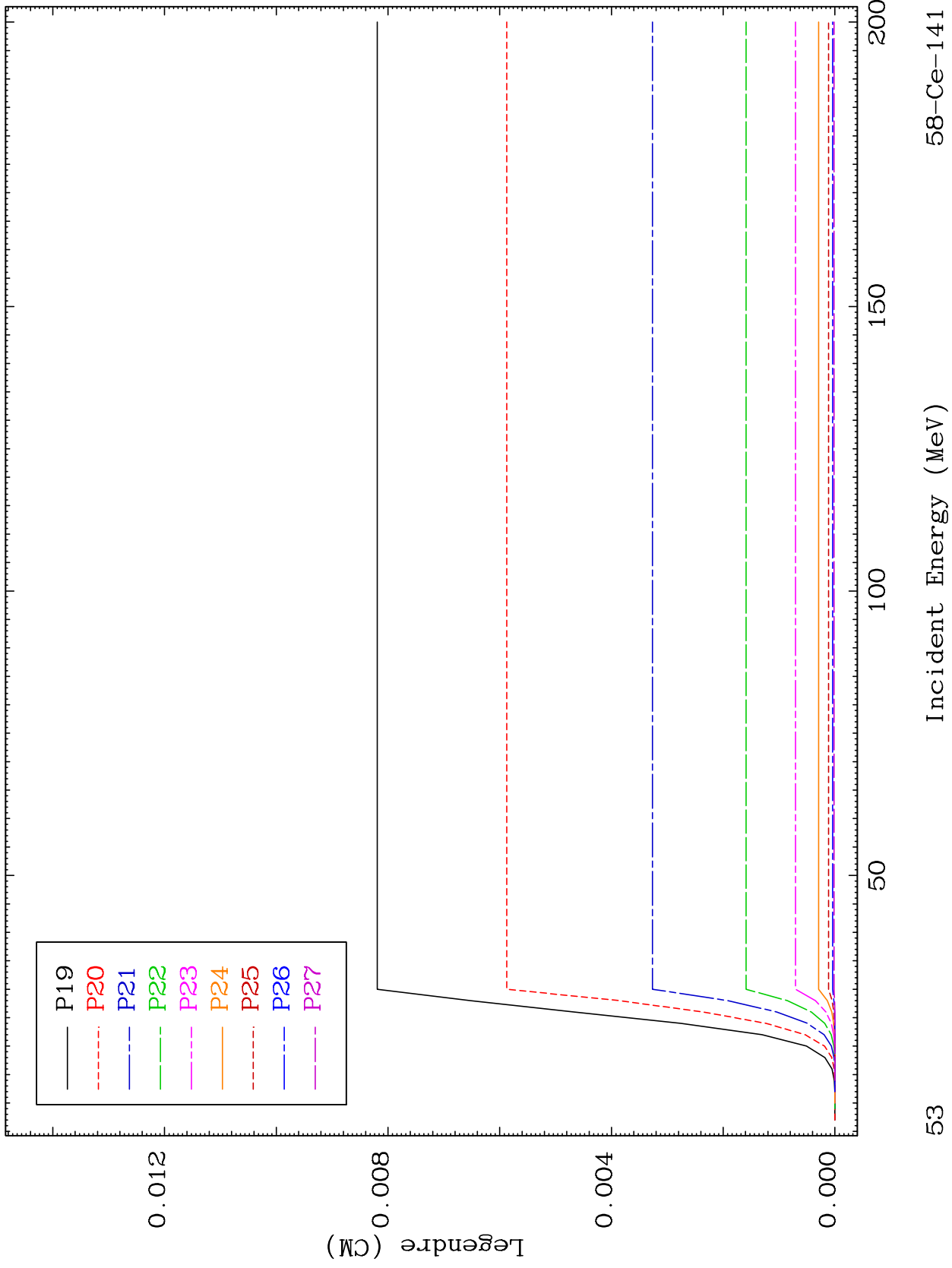




MAT 5840

1.739 MeV (n,n') Level
Legendre Coefficients

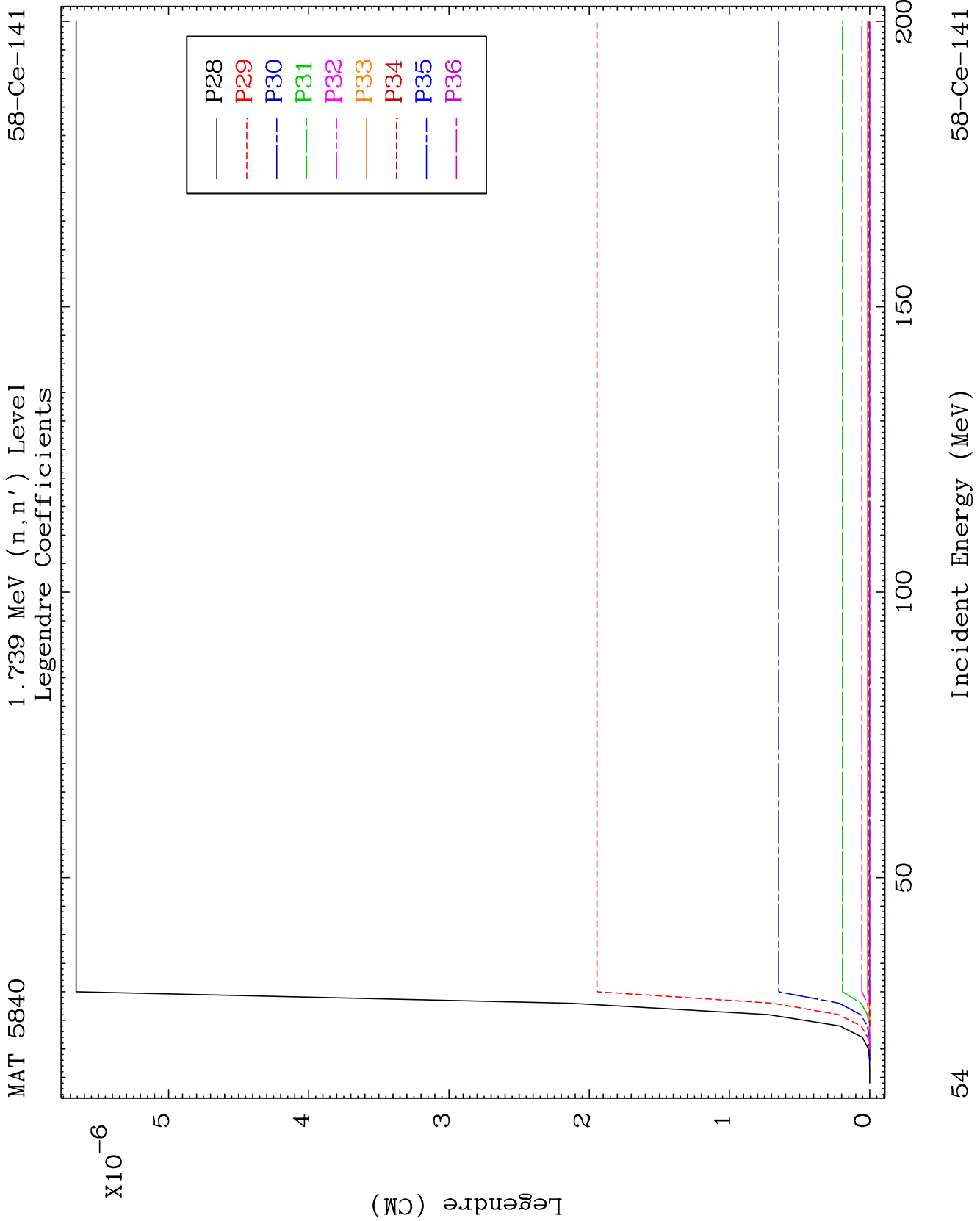
58-Ce-141



53

58-Ce-141

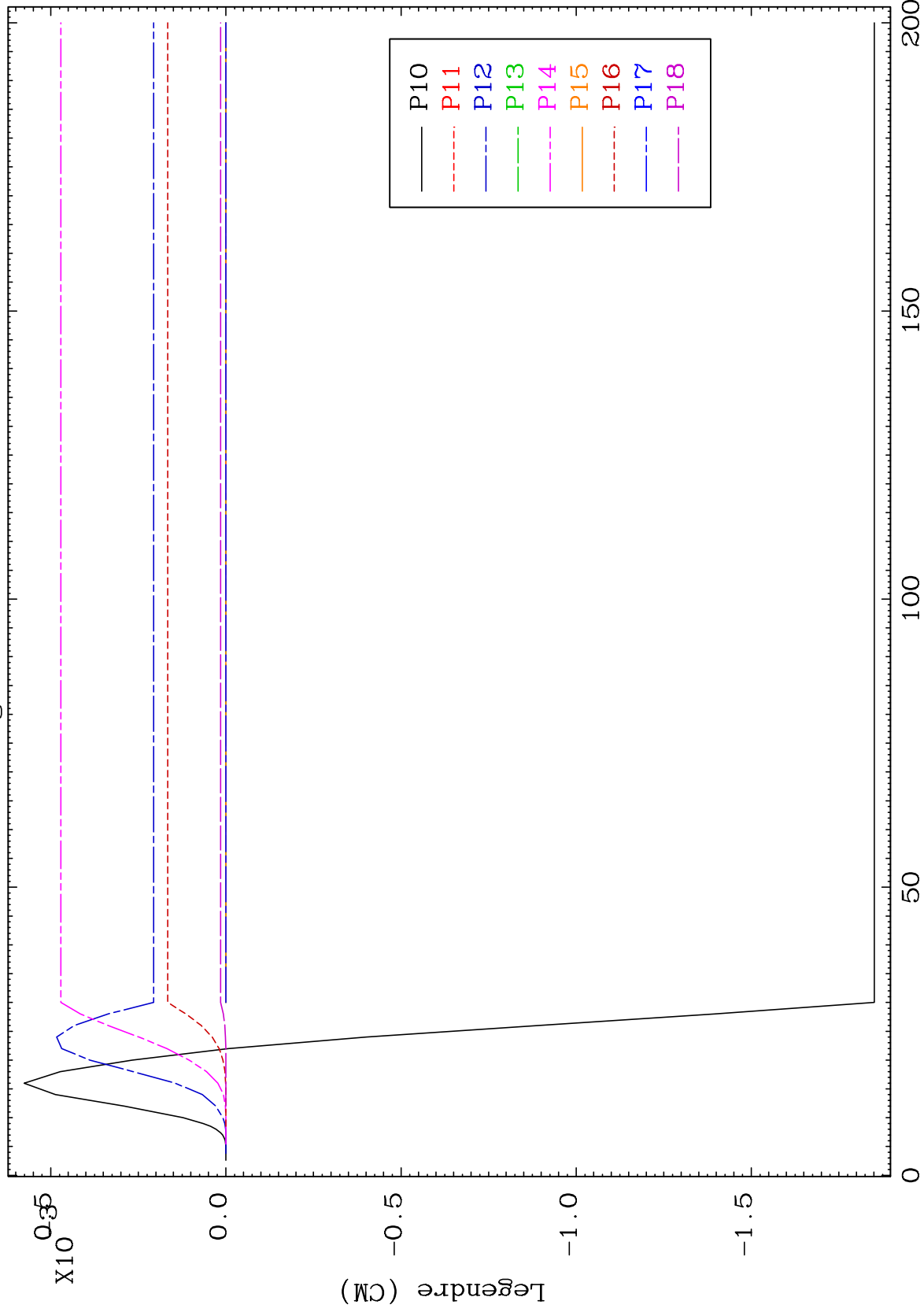
Incident Energy (MeV)



MAT 5840

1.785 MeV (n,n') Level
Legendre Coefficients

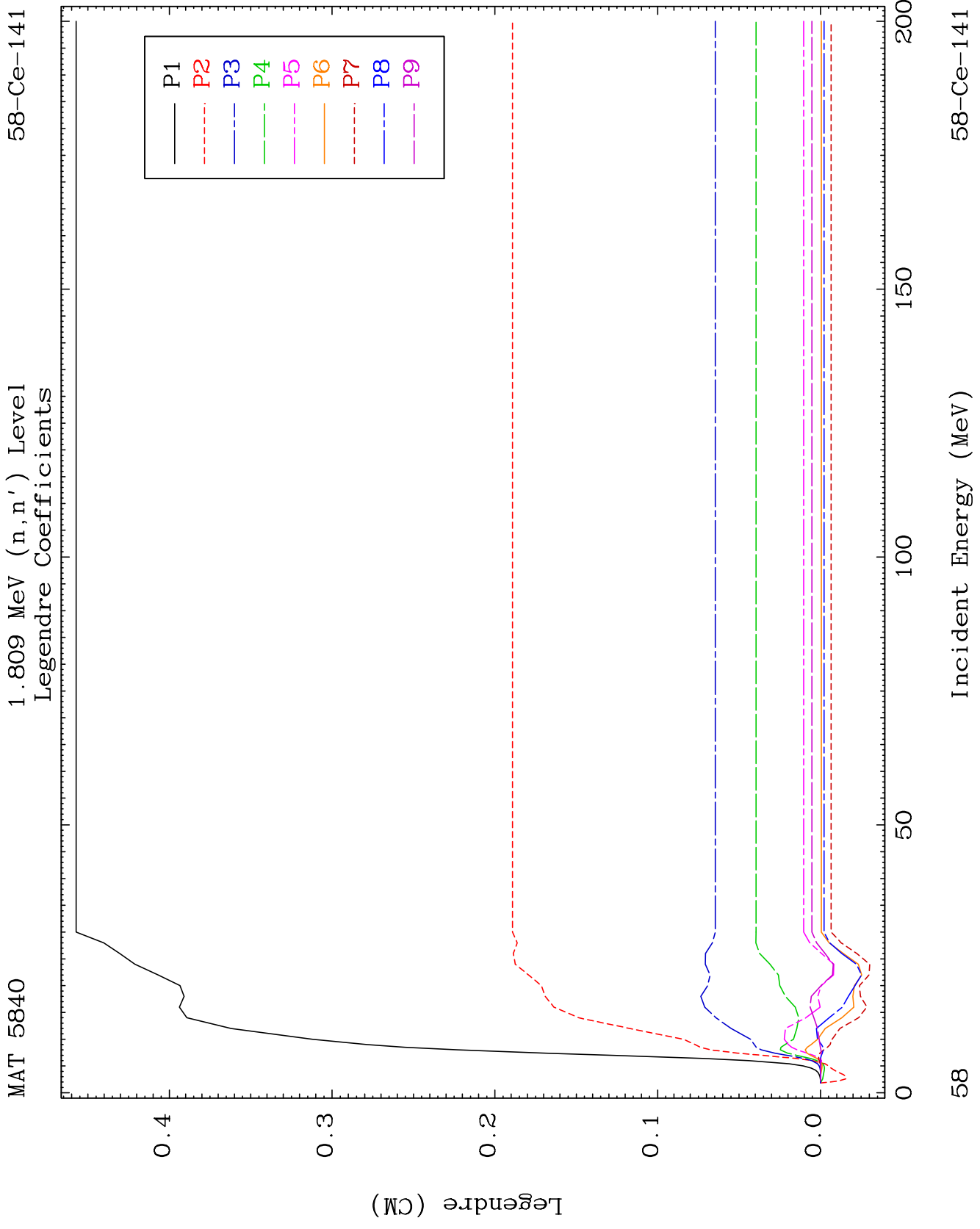
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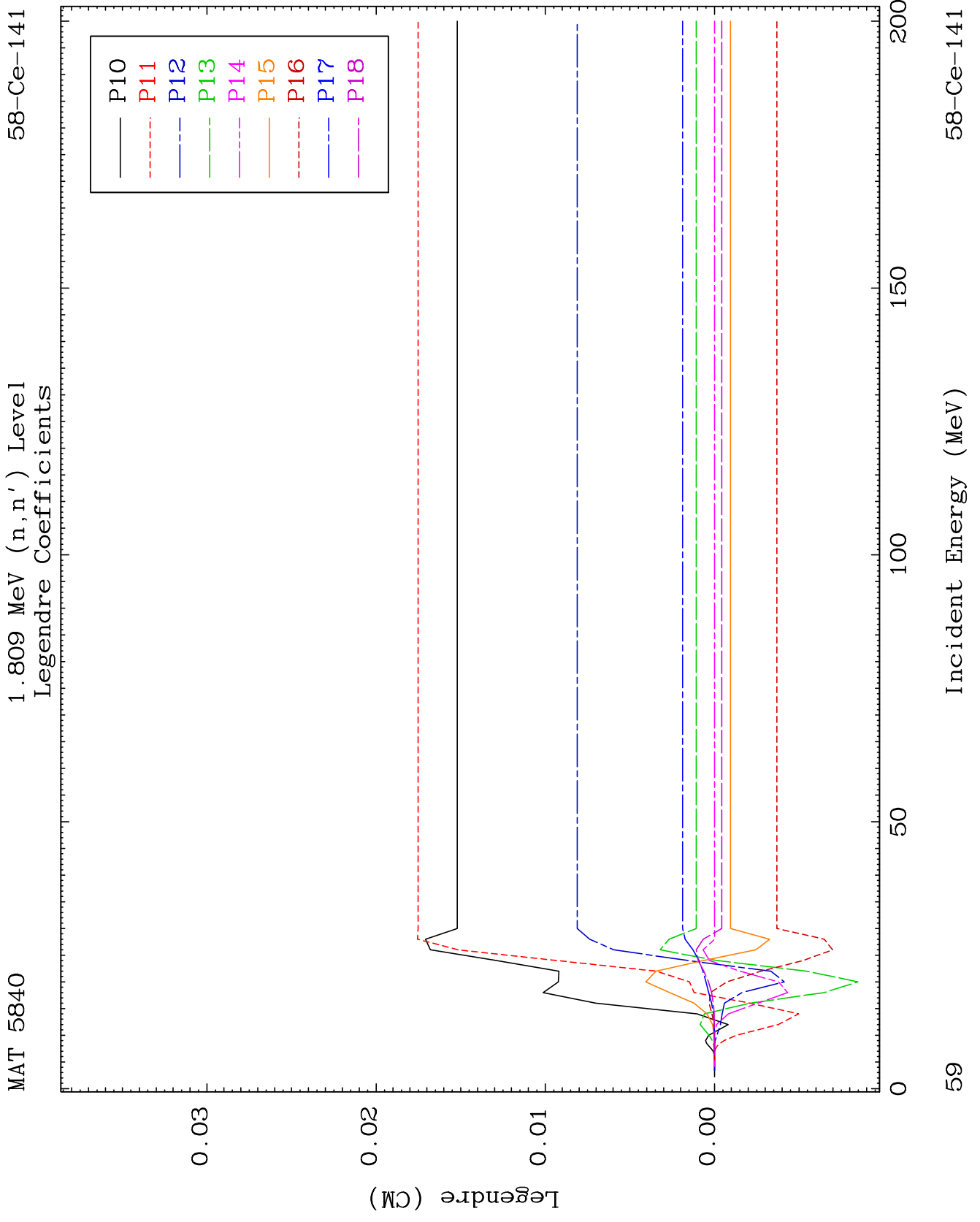


56

Incident Energy (MeV)

58-Ce-141





58-Ce-141

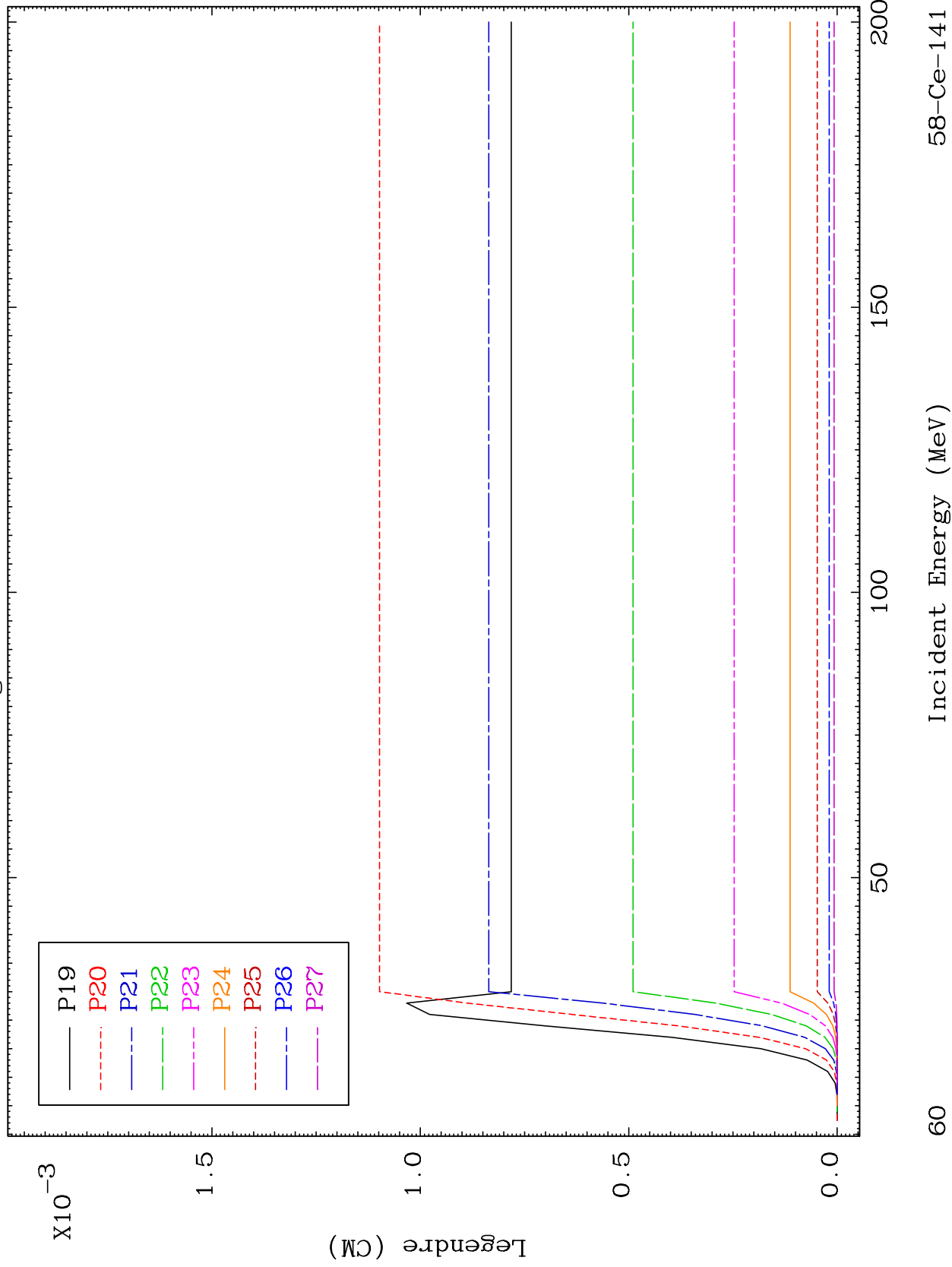
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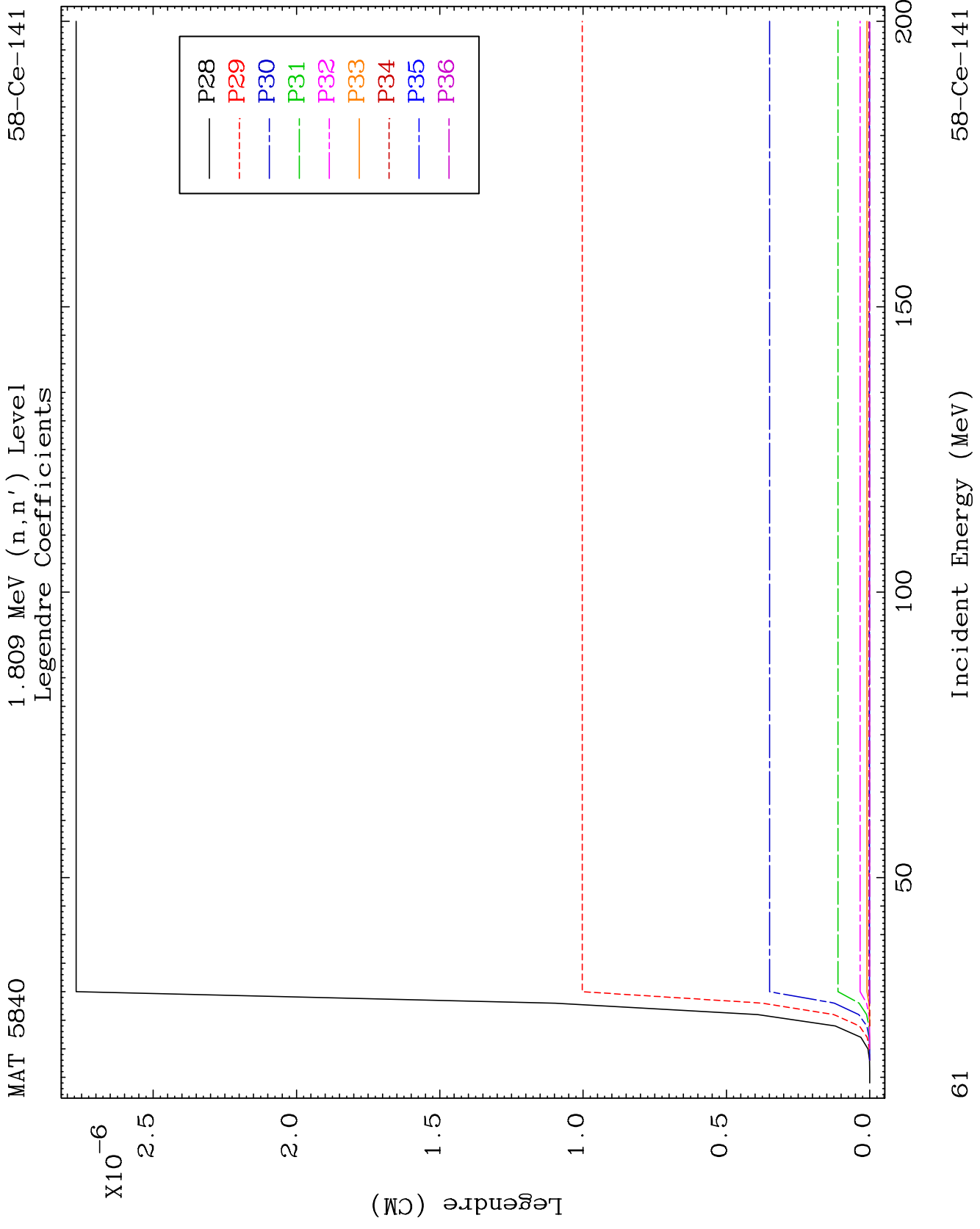
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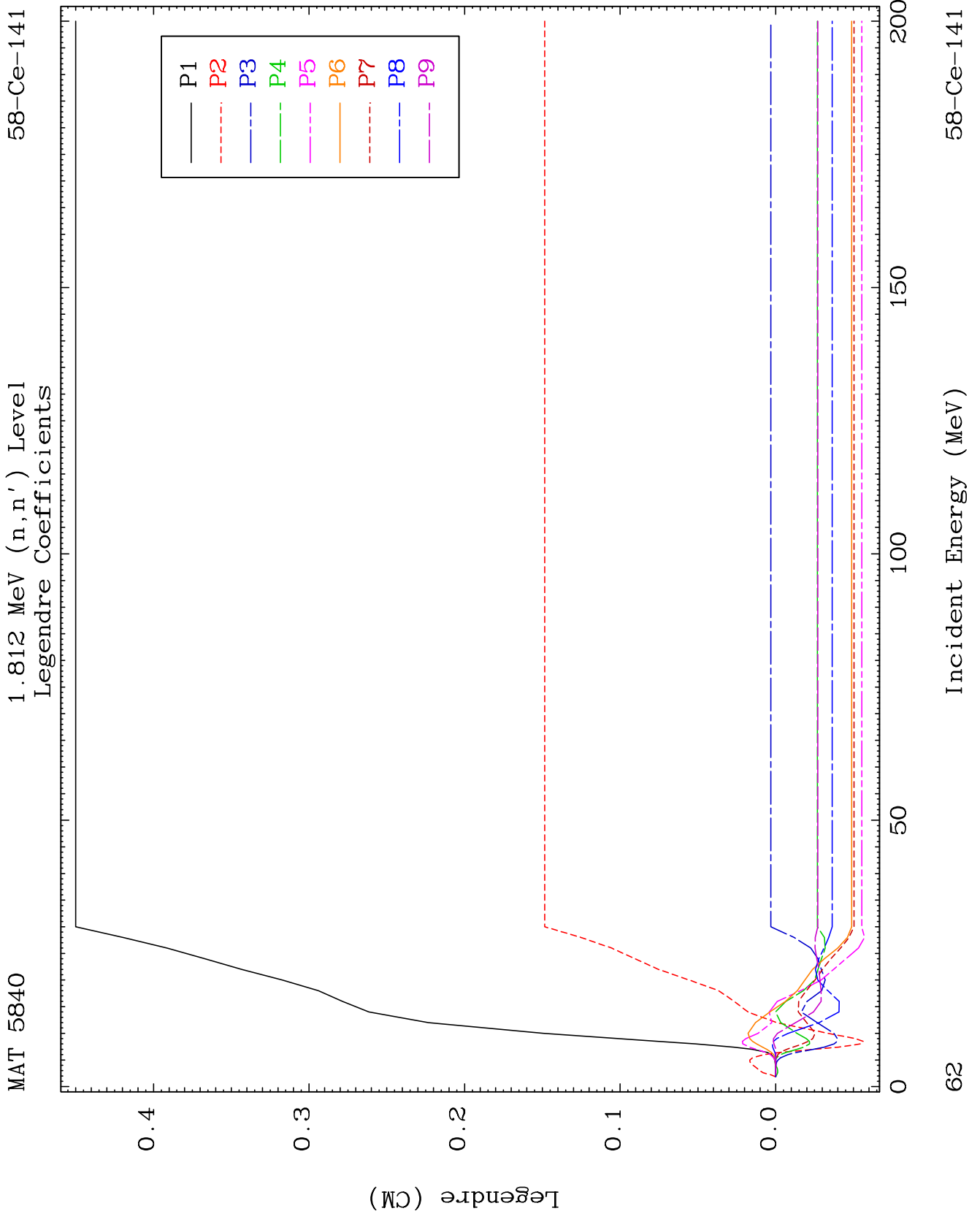
MAT 5840

1.809 MeV (n, n') Level
Legendre Coefficients

58-Ce-141



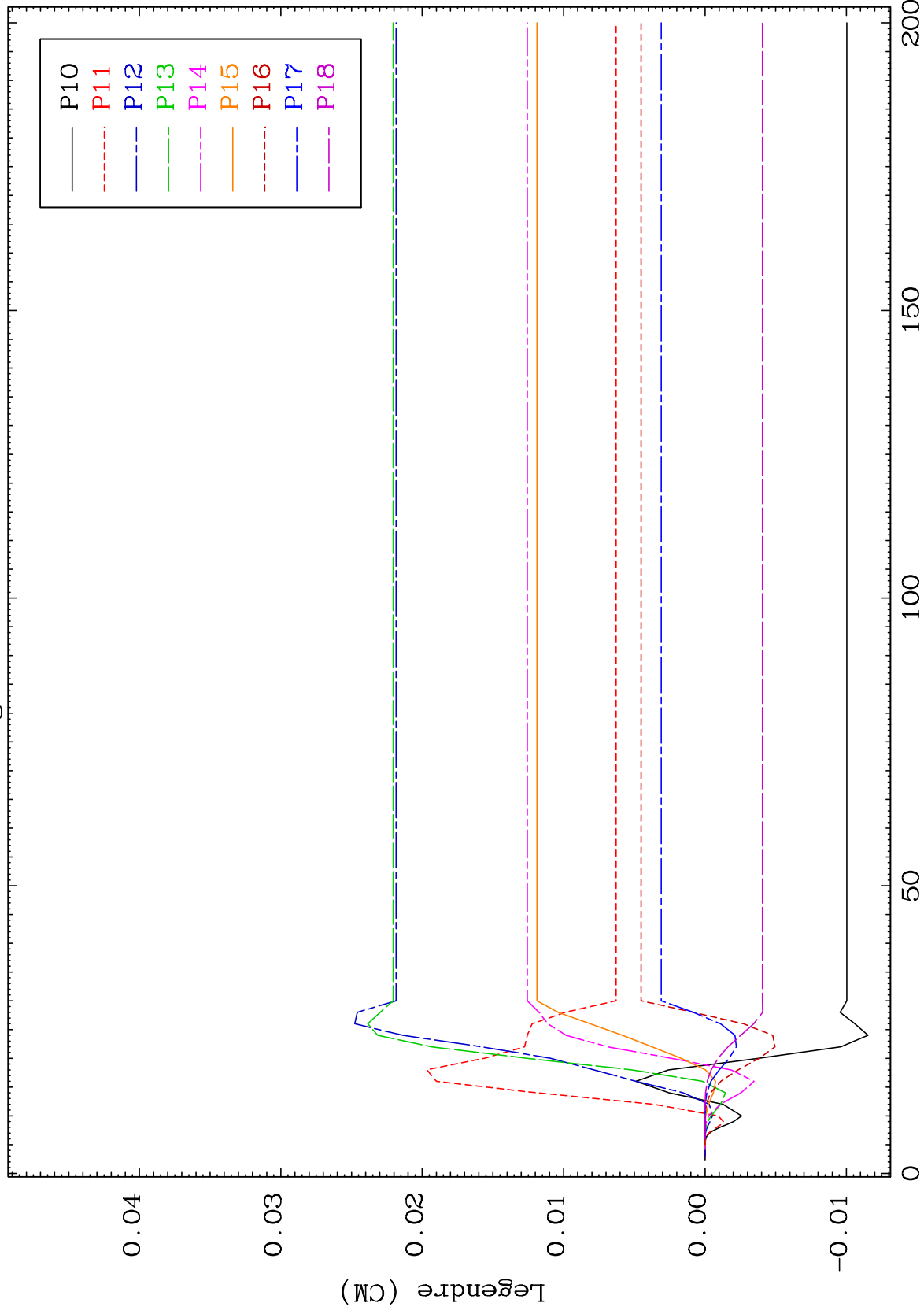




MAT 5840

1.812 MeV (n,n') Level
Legendre Coefficients

58-Ce-141



63

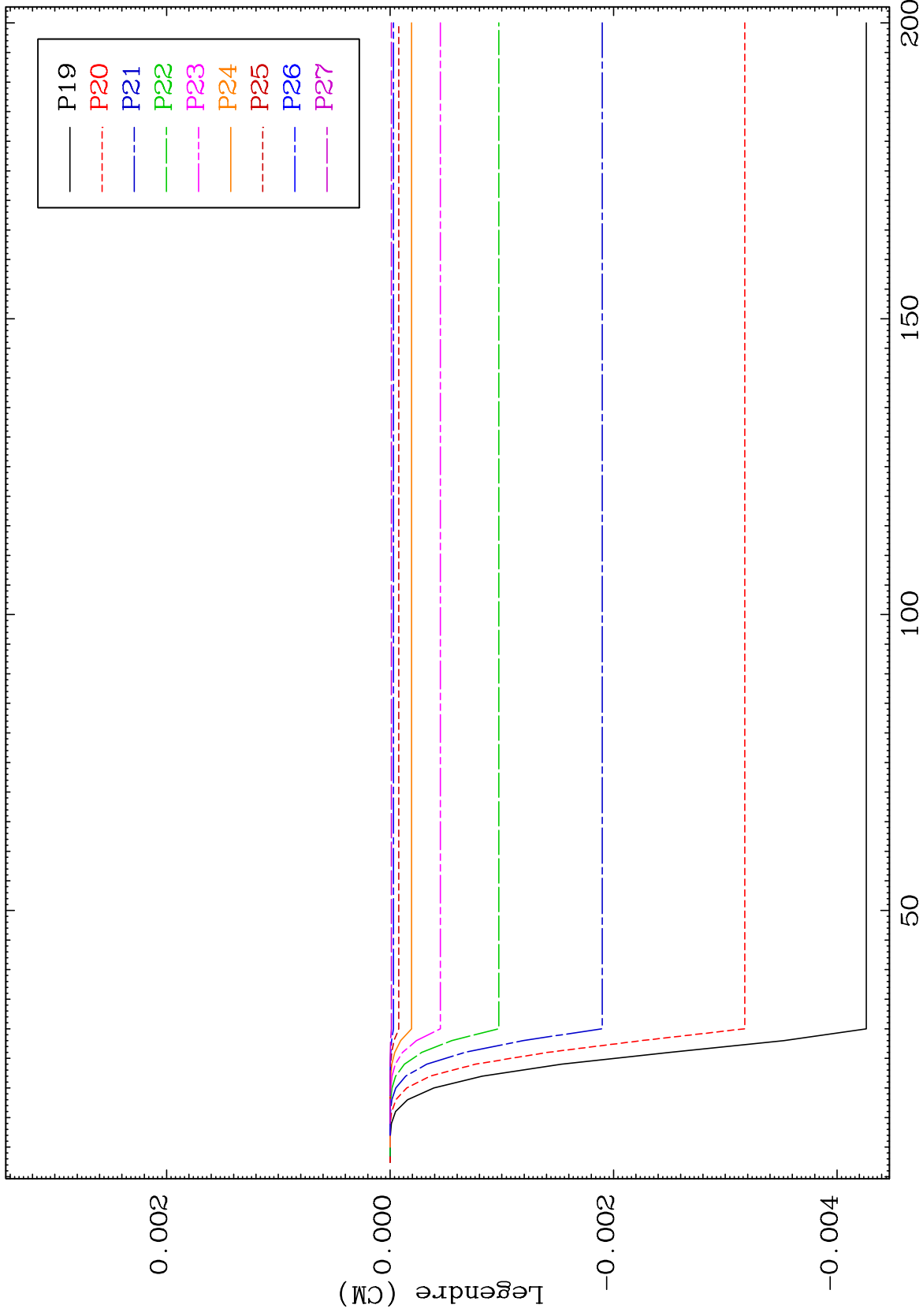
58-Ce-141

58-Ce-141

MAT 5840

1.812 MeV (n,n') Level
Legendre Coefficients

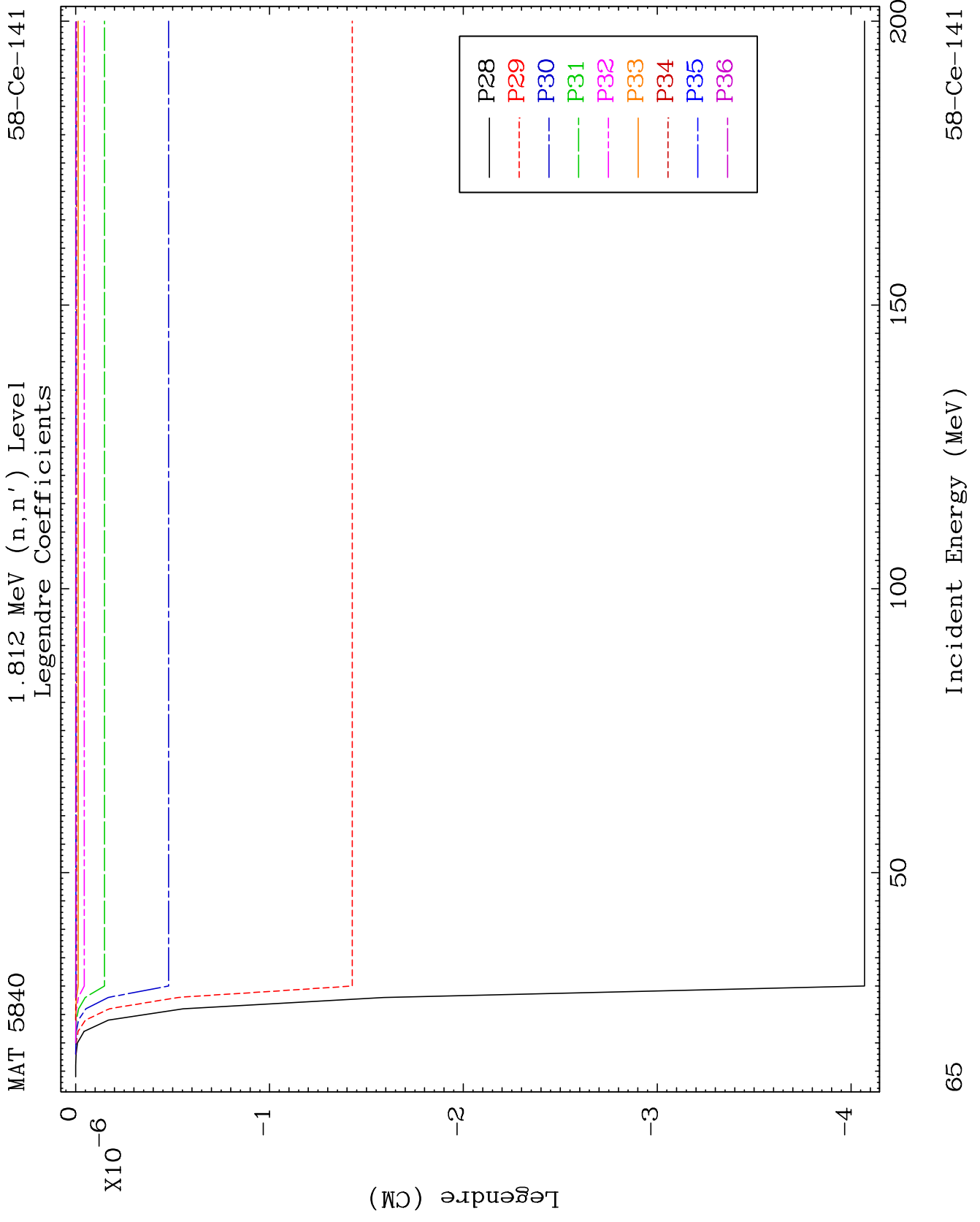
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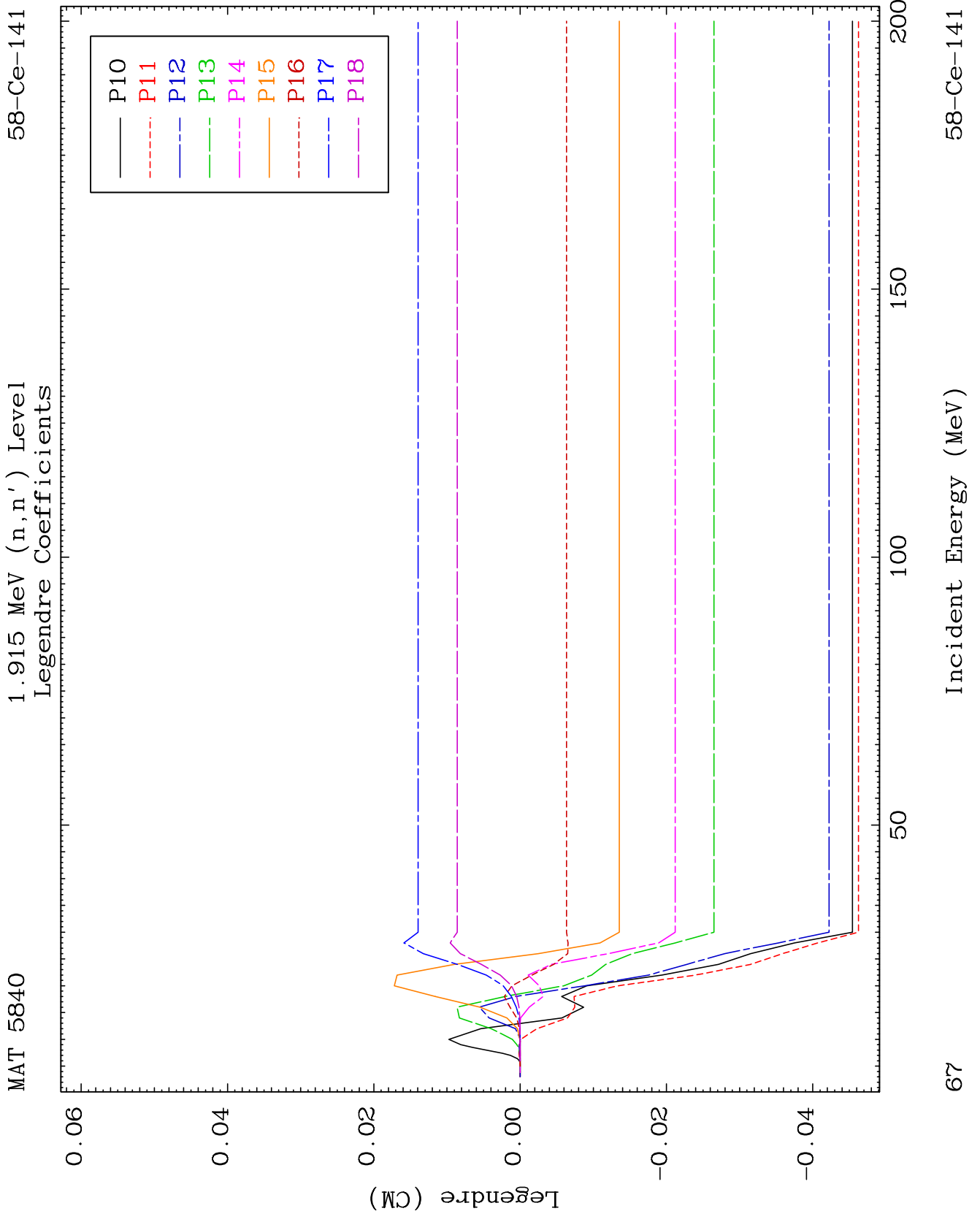


64

Incident Energy (MeV)

58-Ce-141

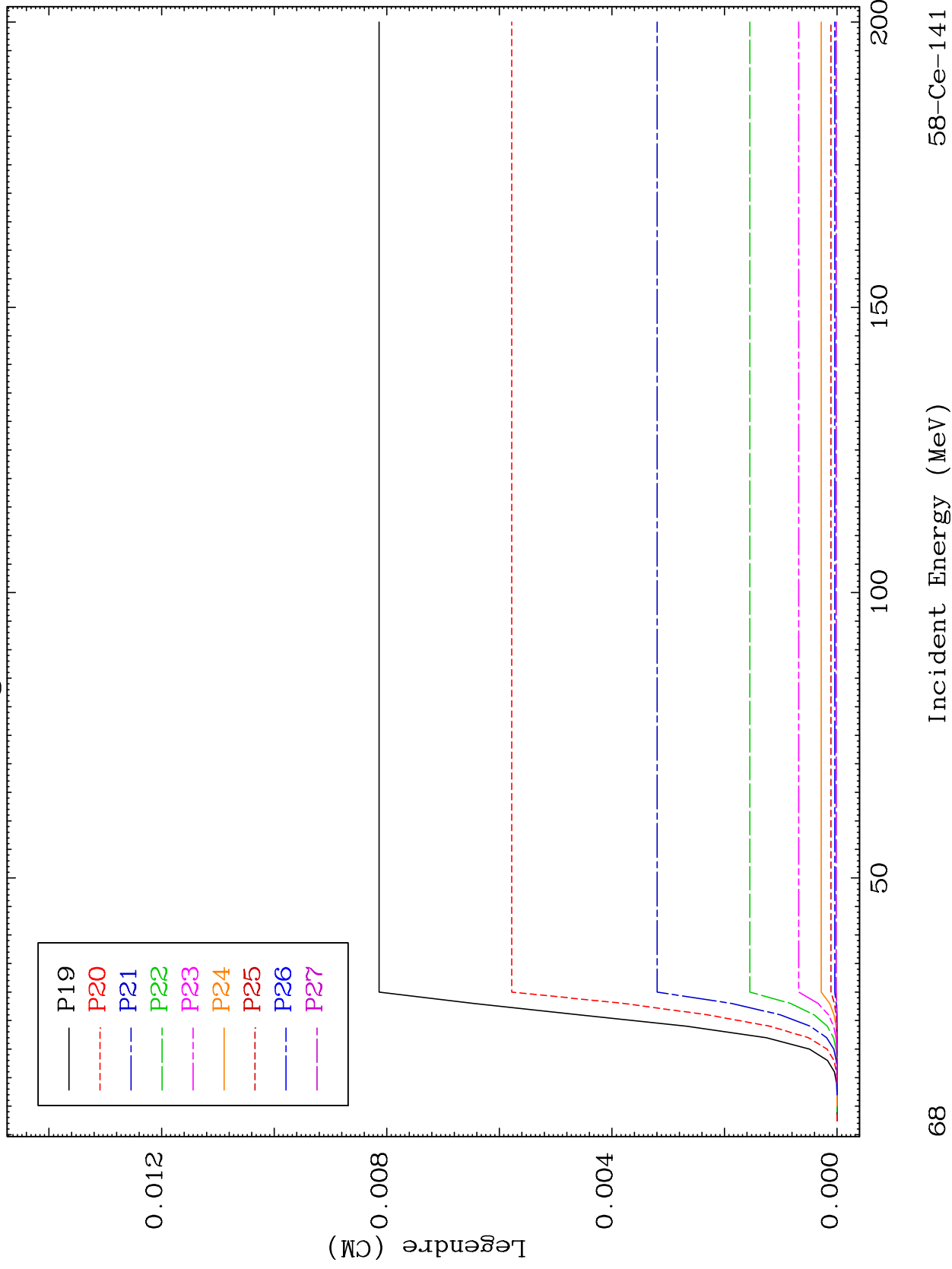




MAT 5840

1.915 MeV (n,n') Level
Legendre Coefficients

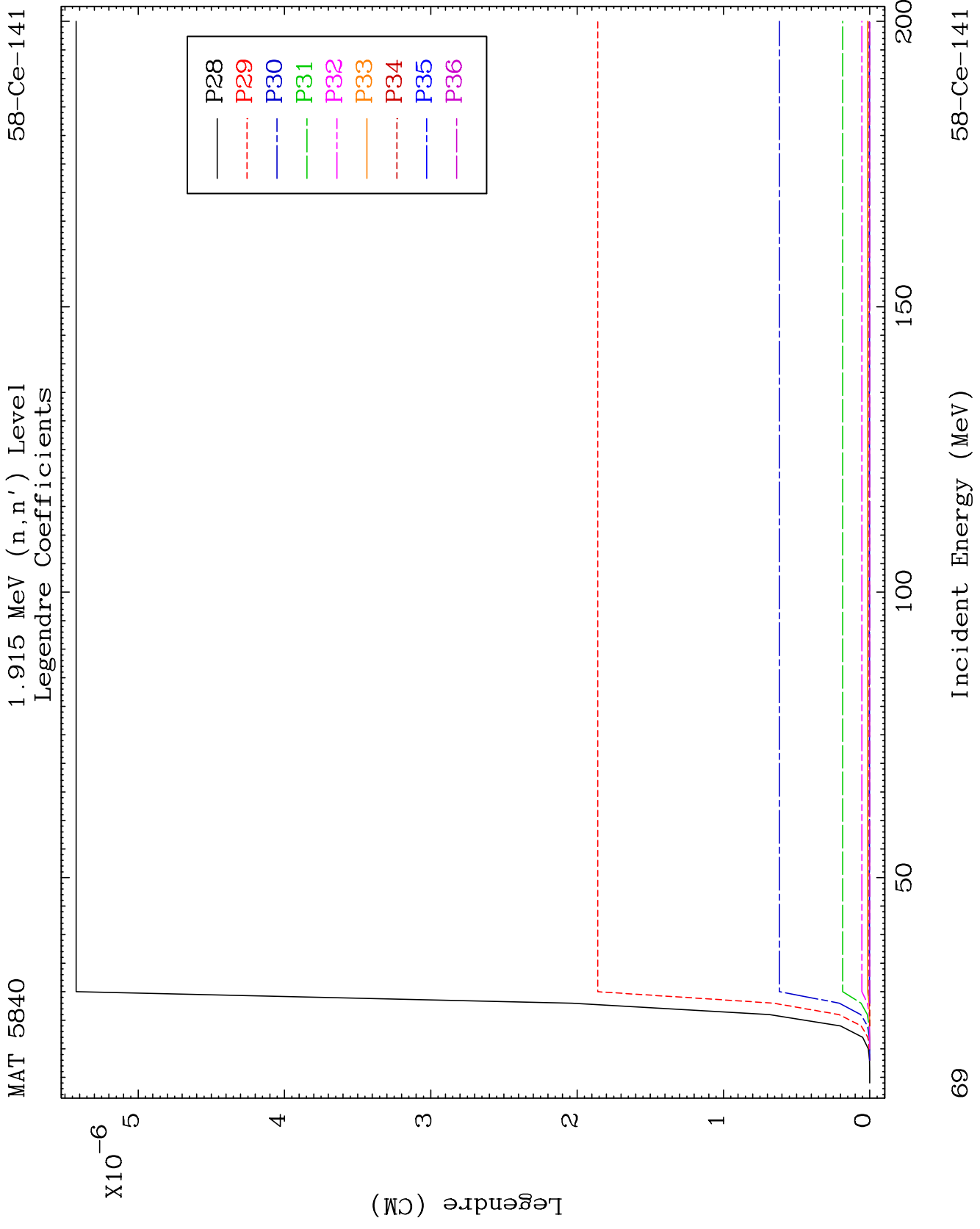
58-Ce-141



68

Incident Energy (MeV)

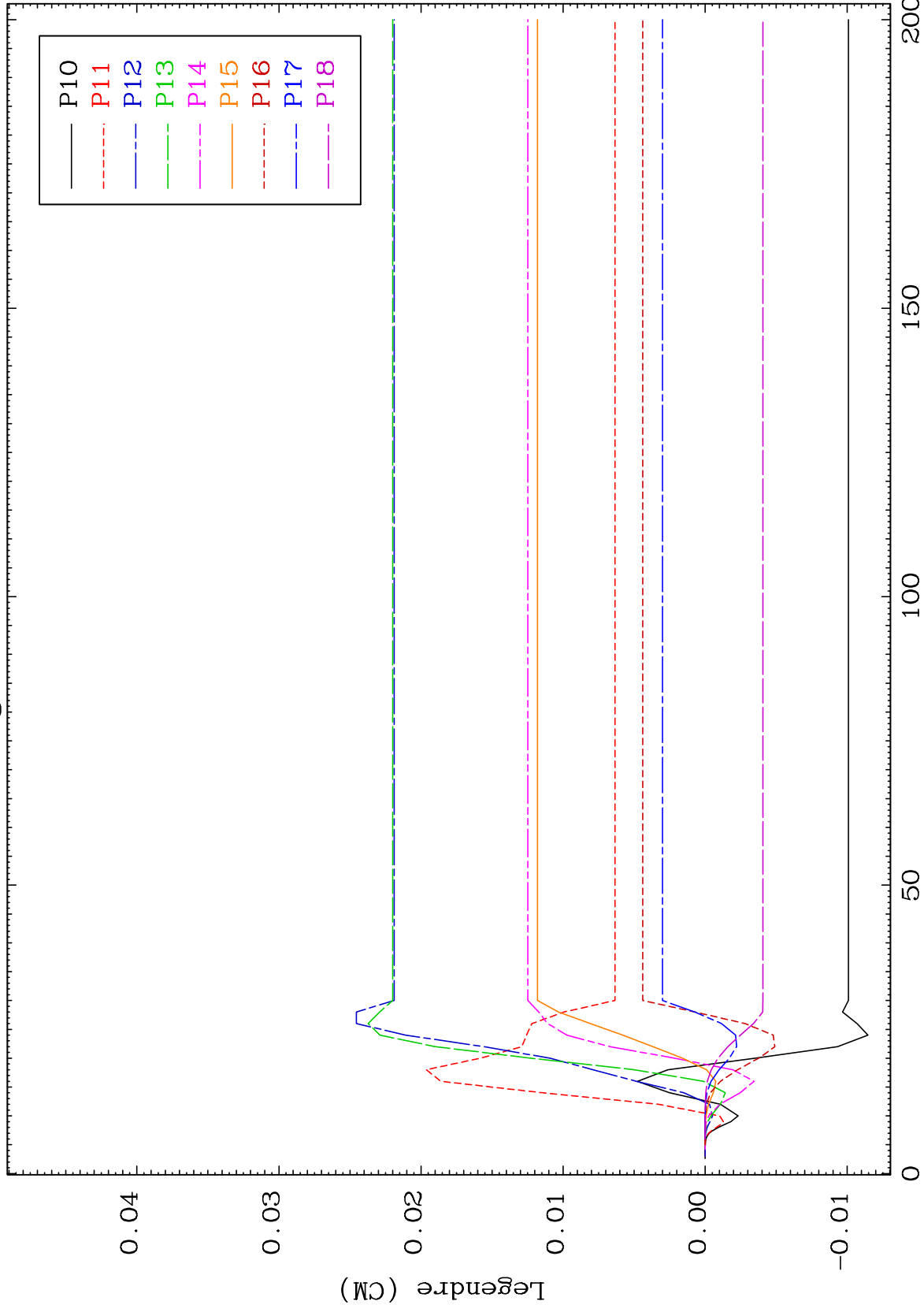
58-Ce-141



MAT 5840

1.942 MeV (n,n') Level
Legendre Coefficients

58-Ce-141



71

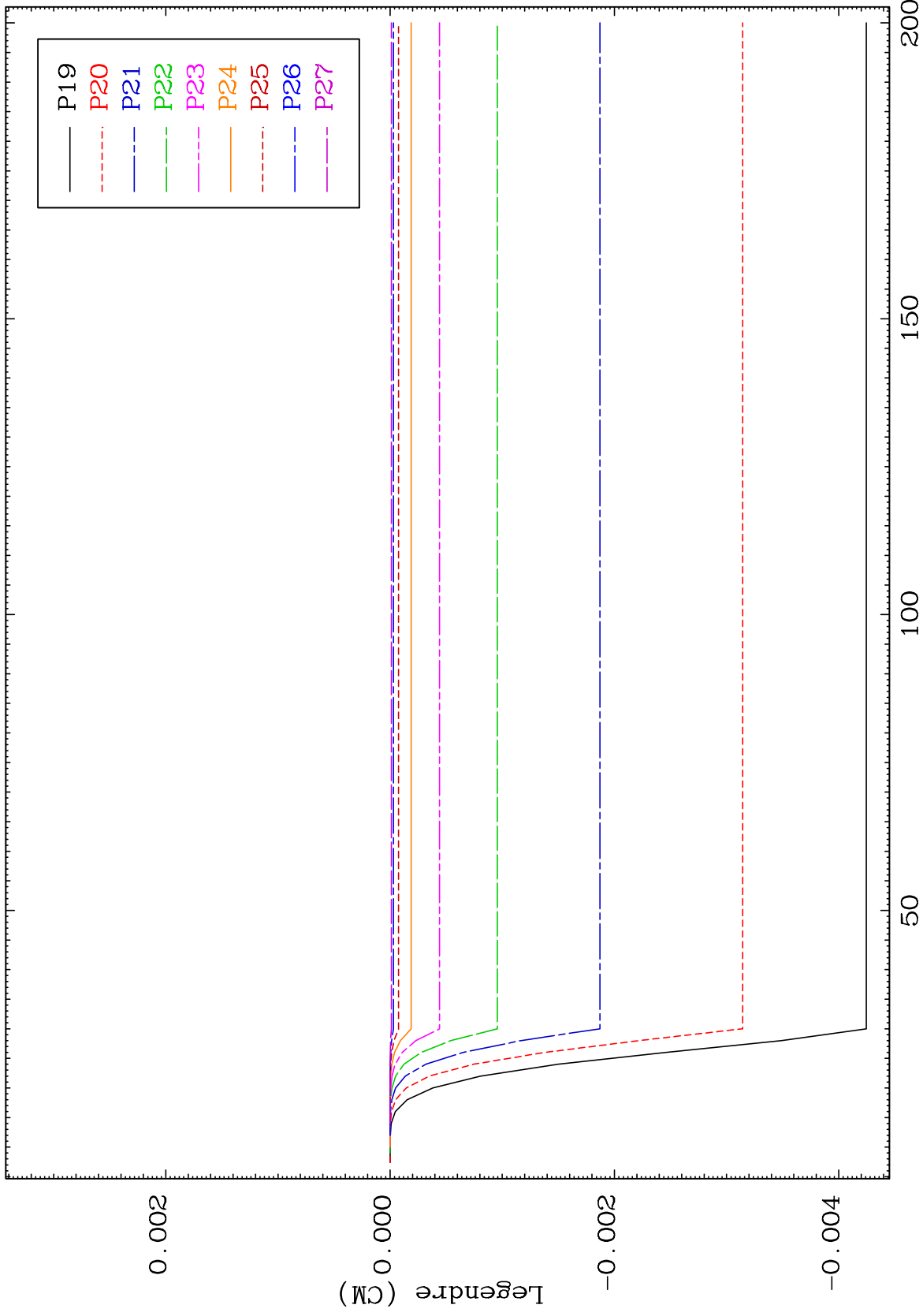
Incident Energy (MeV)

58-Ce-141

MAT 5840

1.942 MeV (n,n') Level
Legendre Coefficients

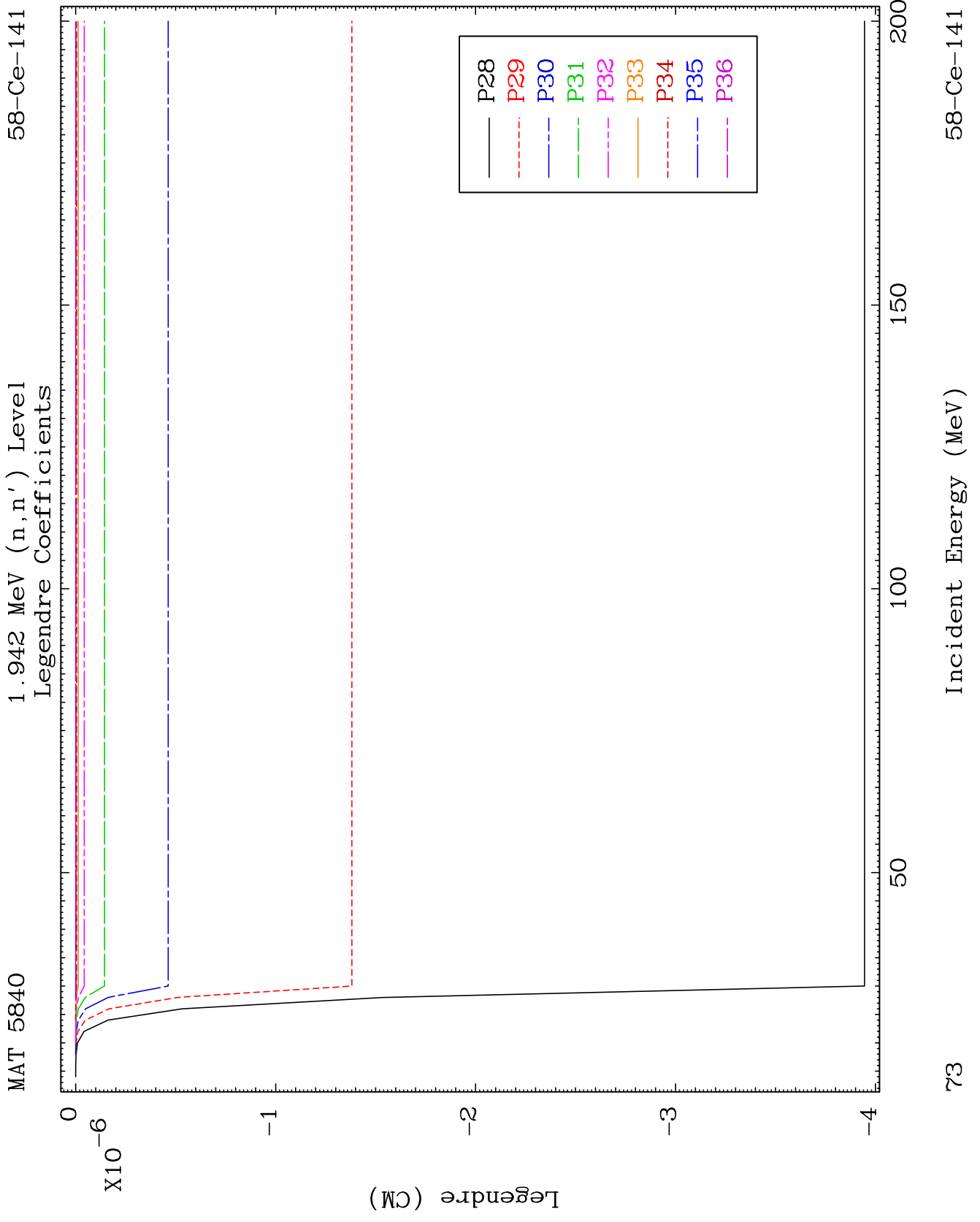
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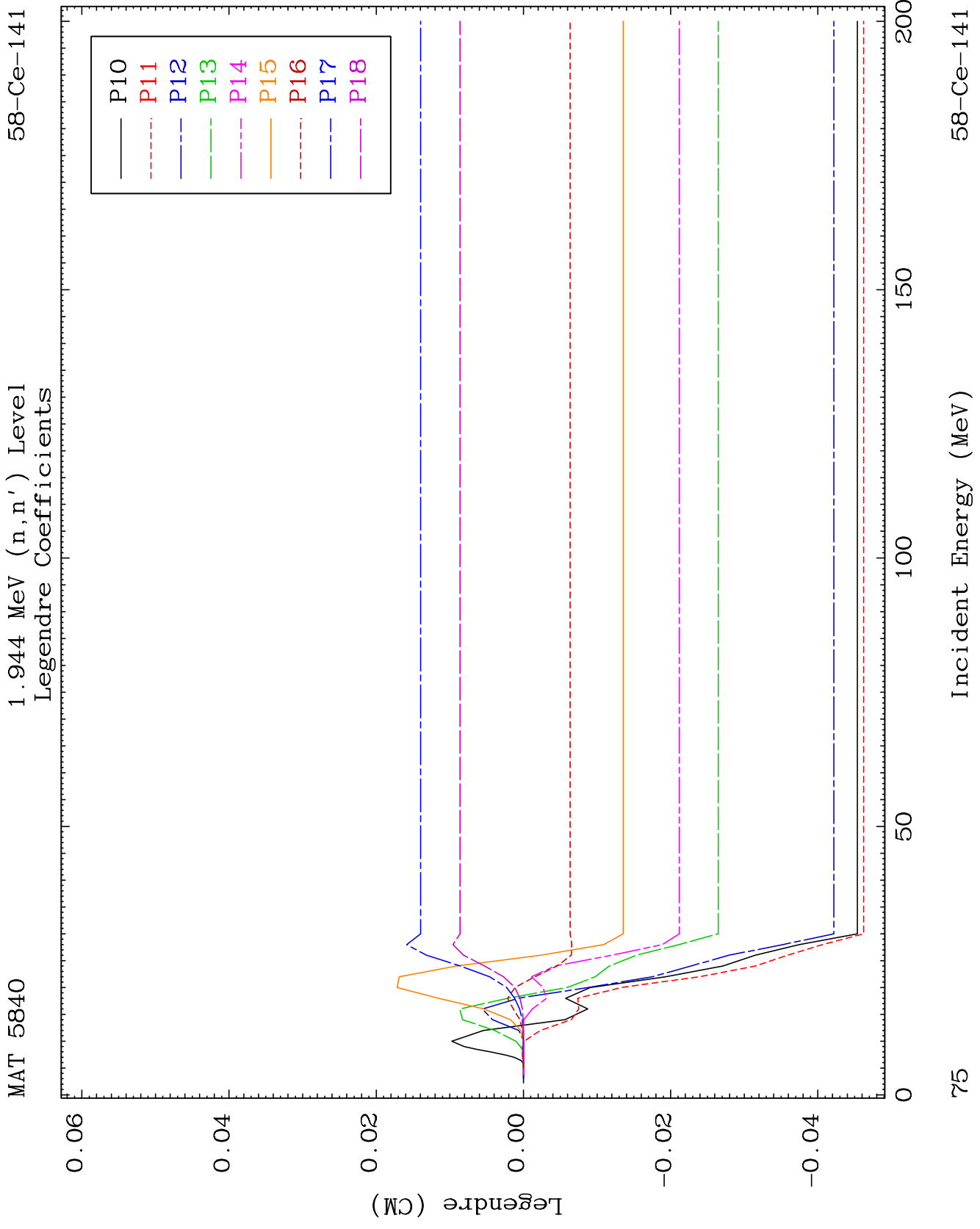


72

Incident Energy (MeV)

58-Ce-141

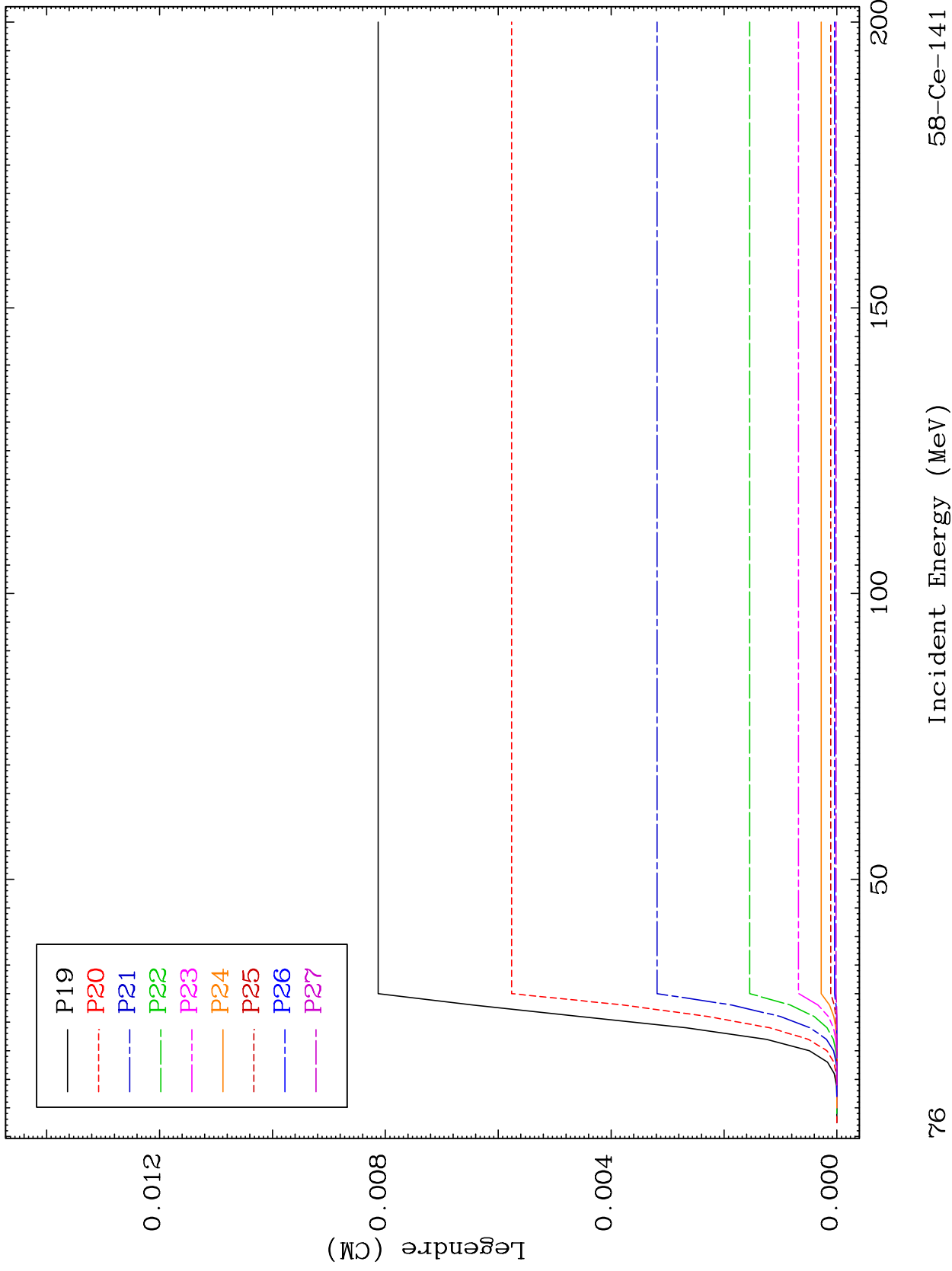




MAT 5840

1.944 MeV (n,n') Level
Legendre Coefficients

58-Ce-141



76

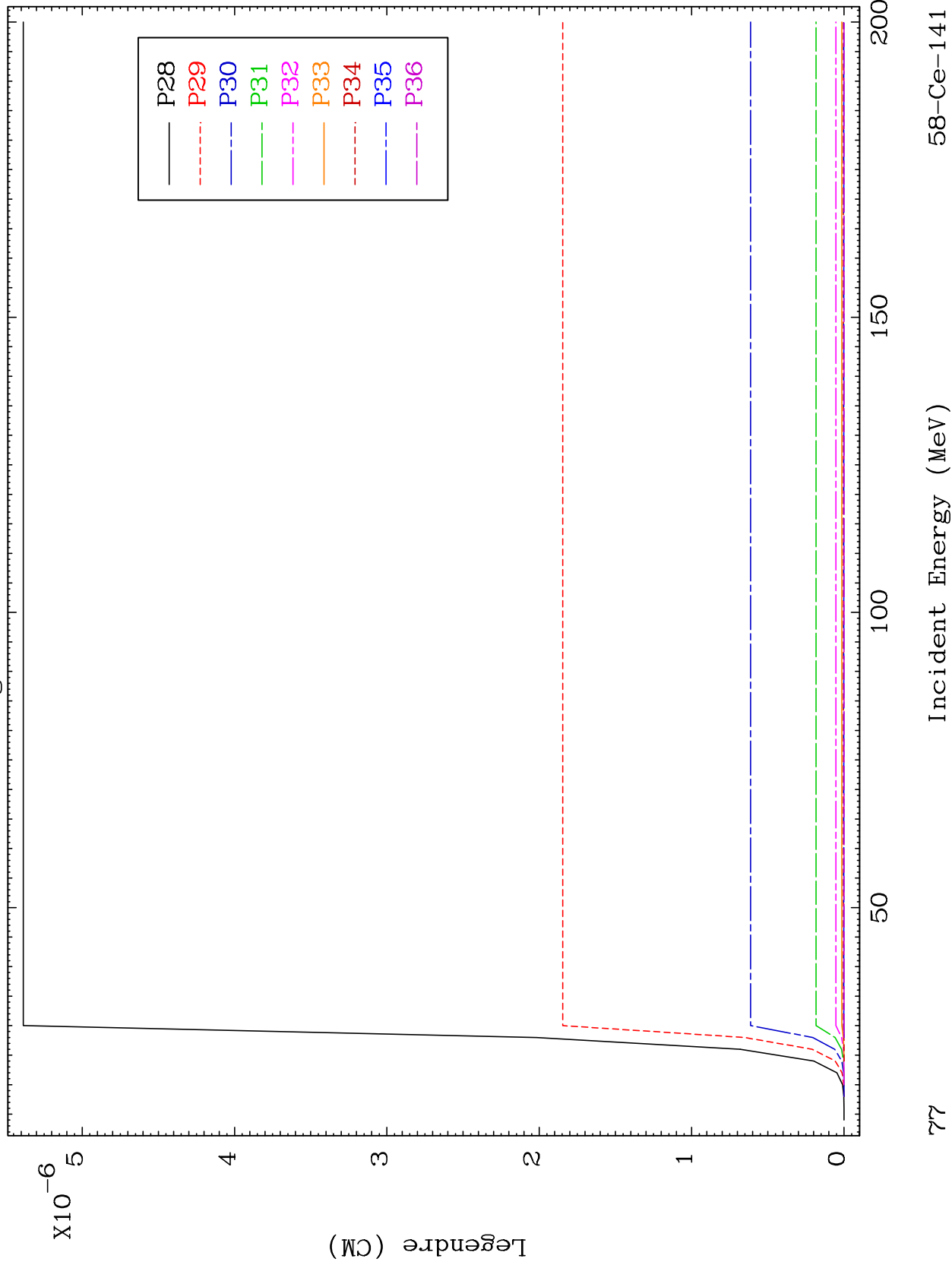
Incident Energy (MeV)

58-Ce-141

MAT 5840

1.944 MeV (n,n') Level
Legendre Coefficients

58-Ce-141



77

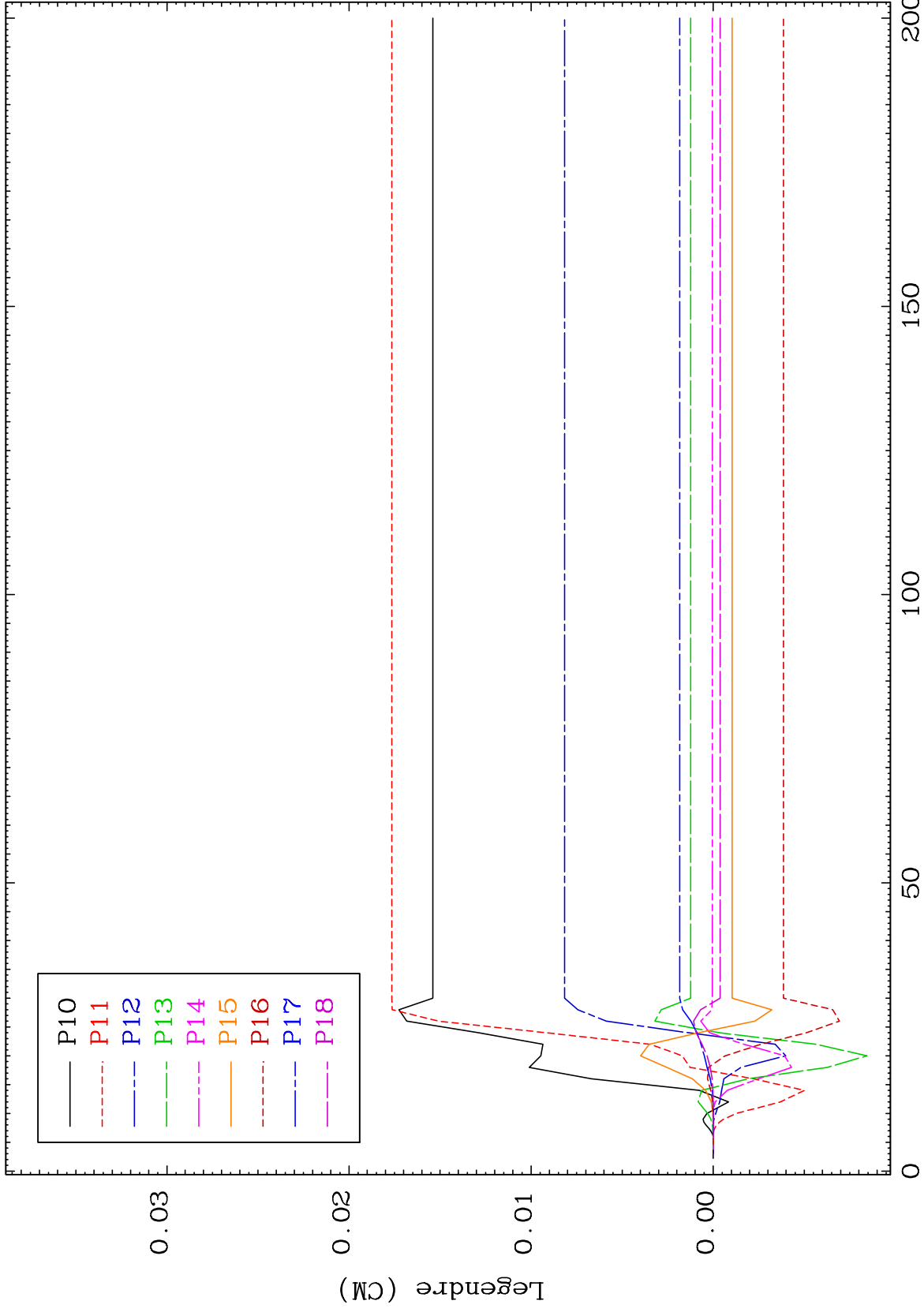
Incident Energy (MeV)

58-Ce-141

MAT 5840

1.962 MeV (n, n') Level
Legendre Coefficients

58-Ce-141



79

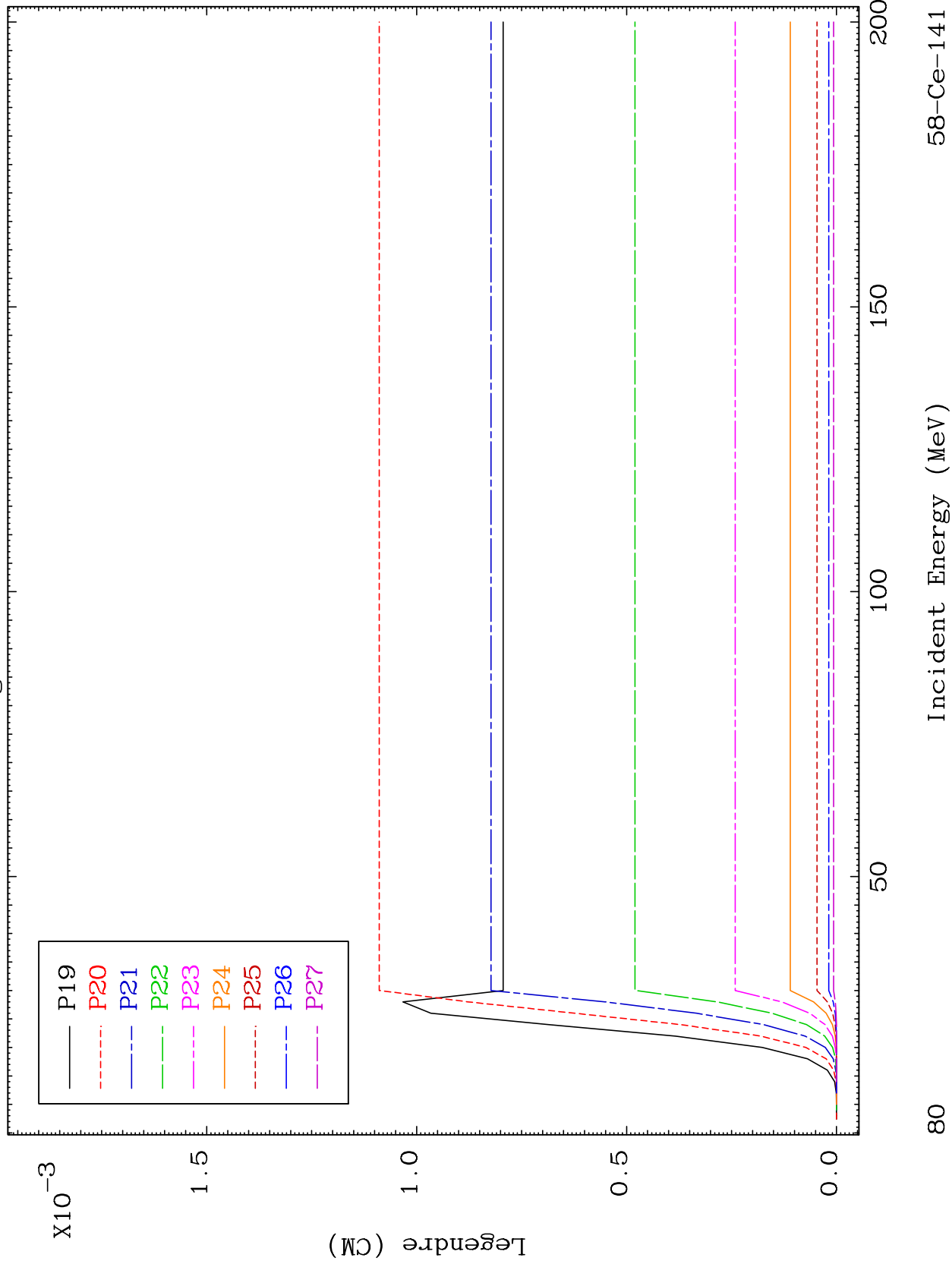
Incident Energy (MeV)

58-Ce-141

MAT 5840

1.962 MeV (n,n') Level
Legendre Coefficients

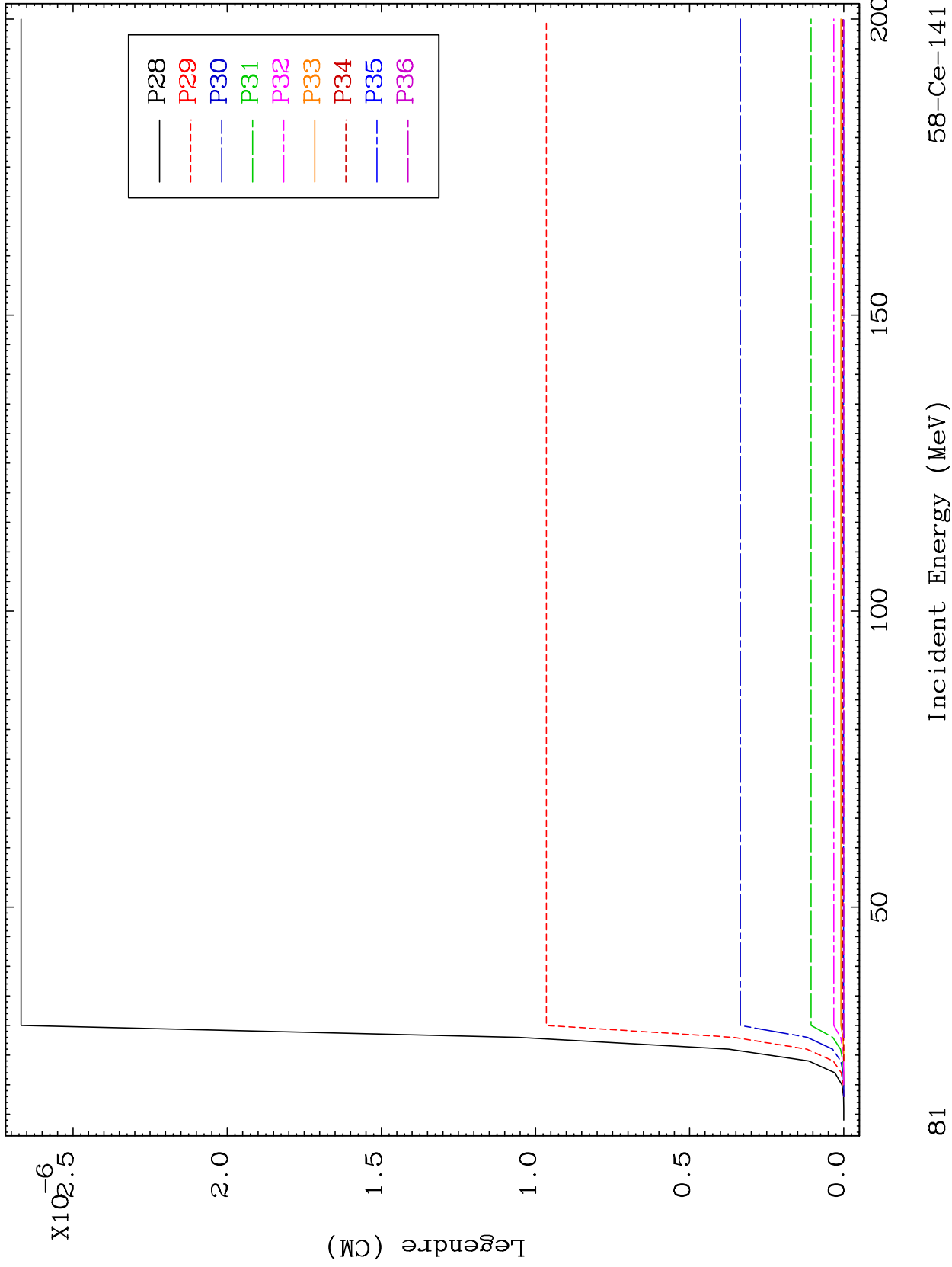
58-Ce-141



MAT 5840

1.962 MeV (n, n') Level
Legendre Coefficients

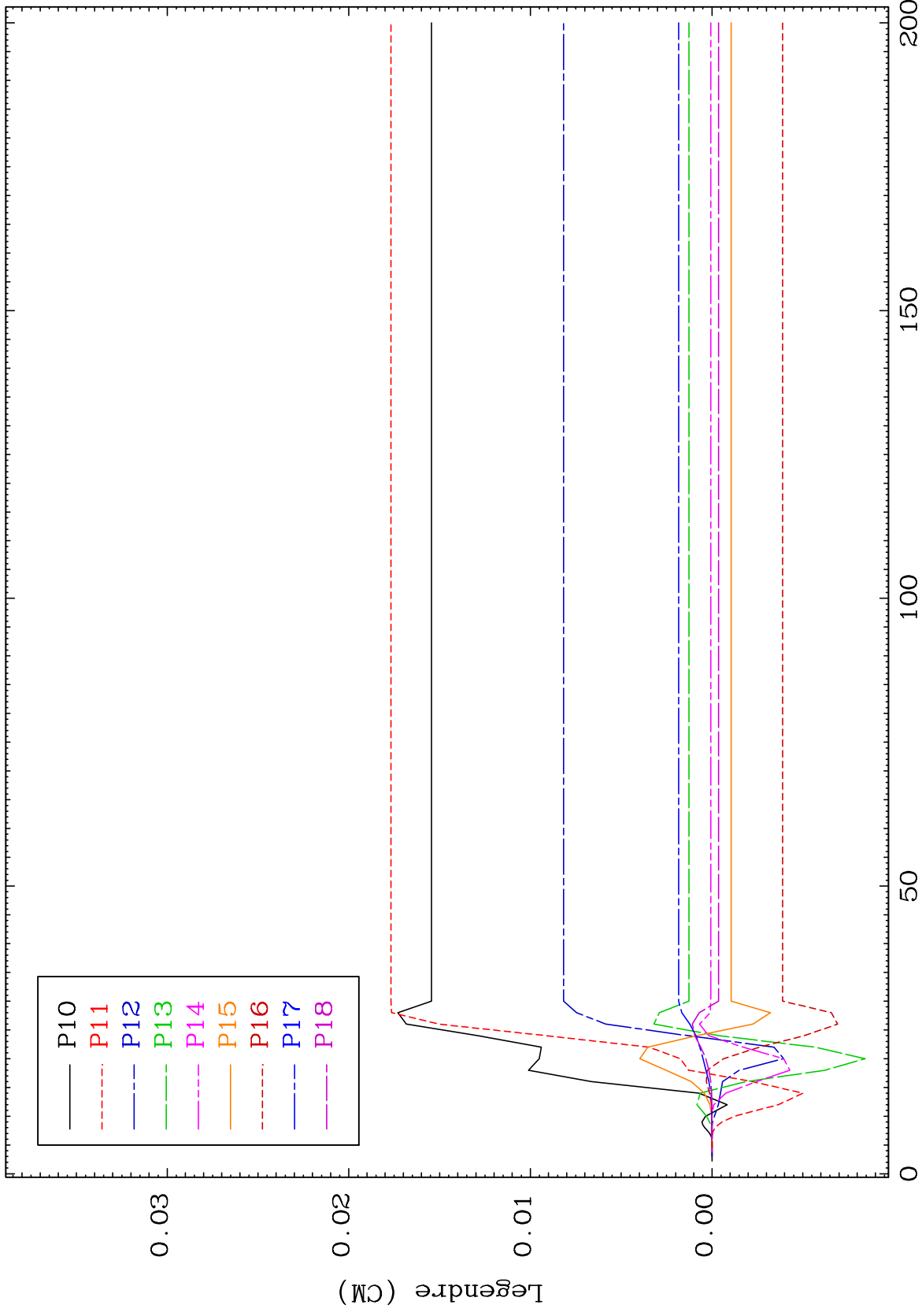
58-Ce-141



81

Incident Energy (MeV)

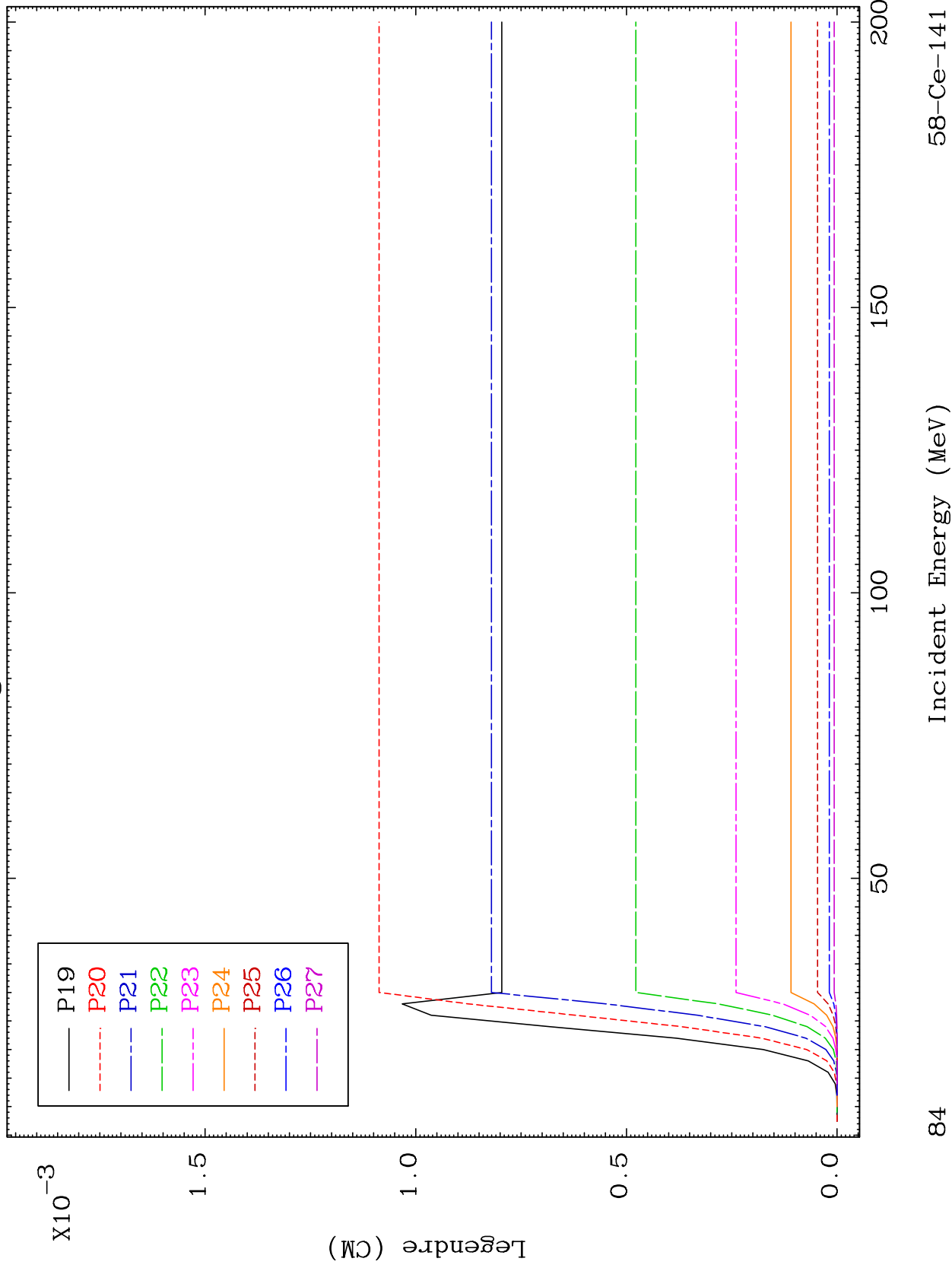
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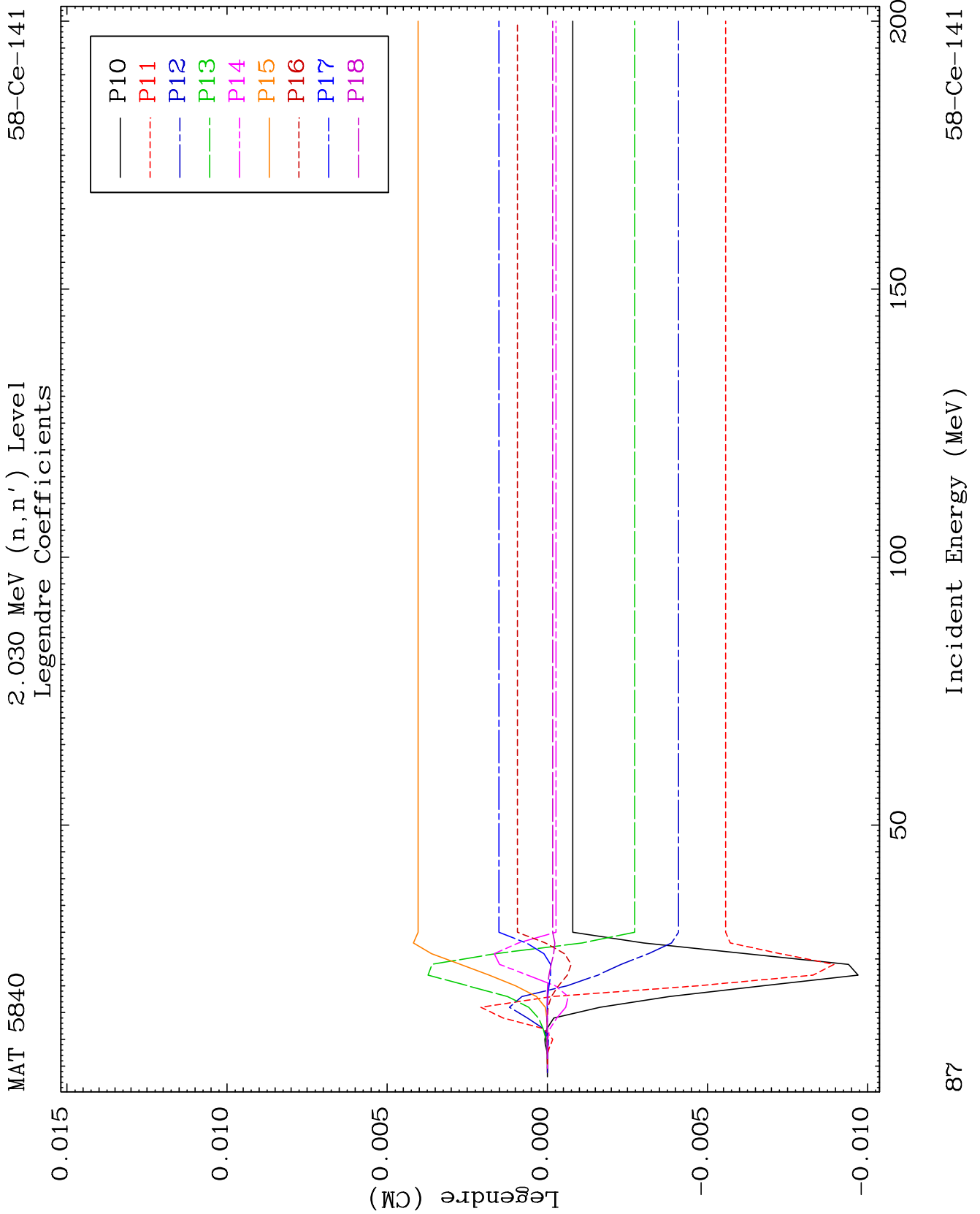


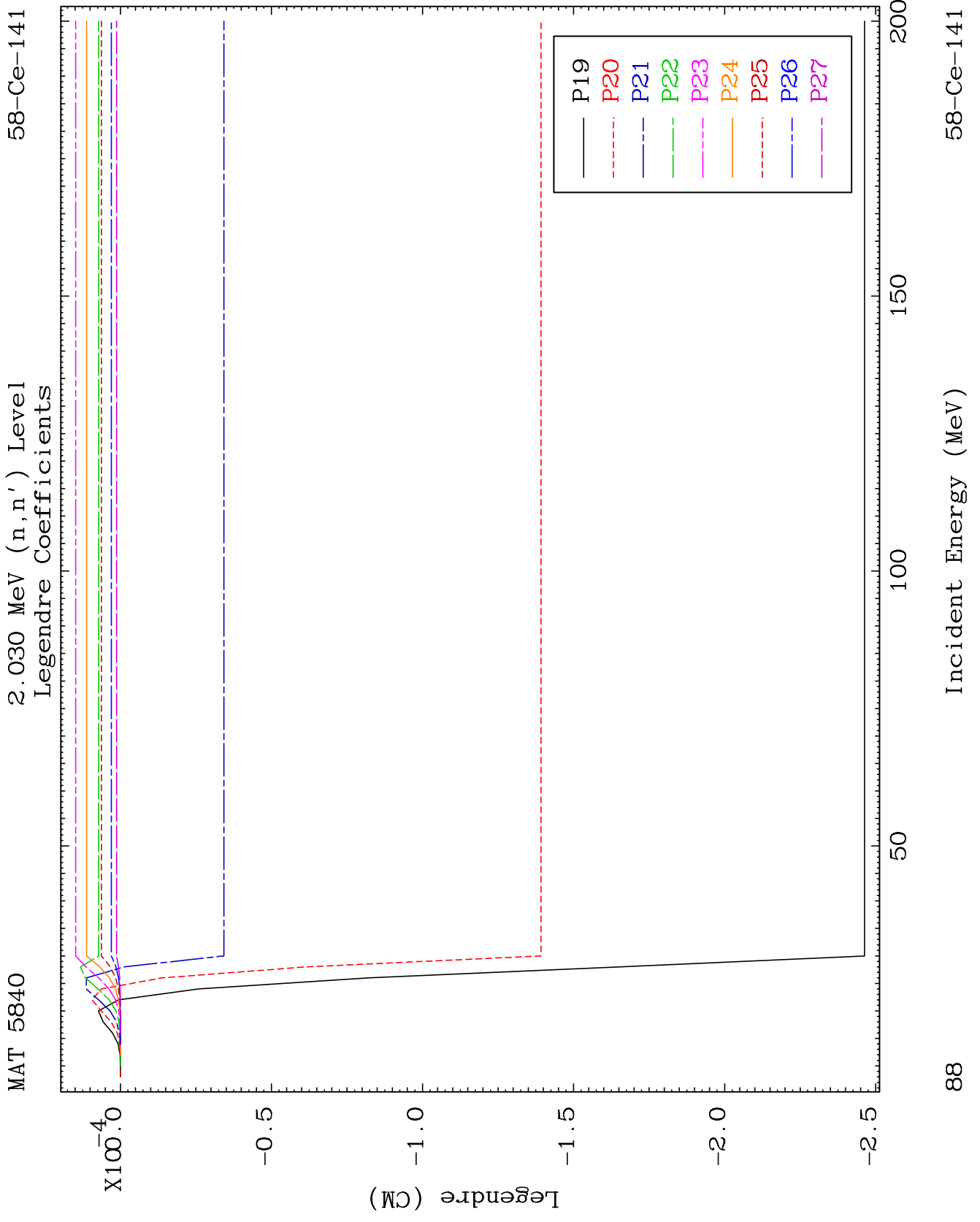
MAT 5840

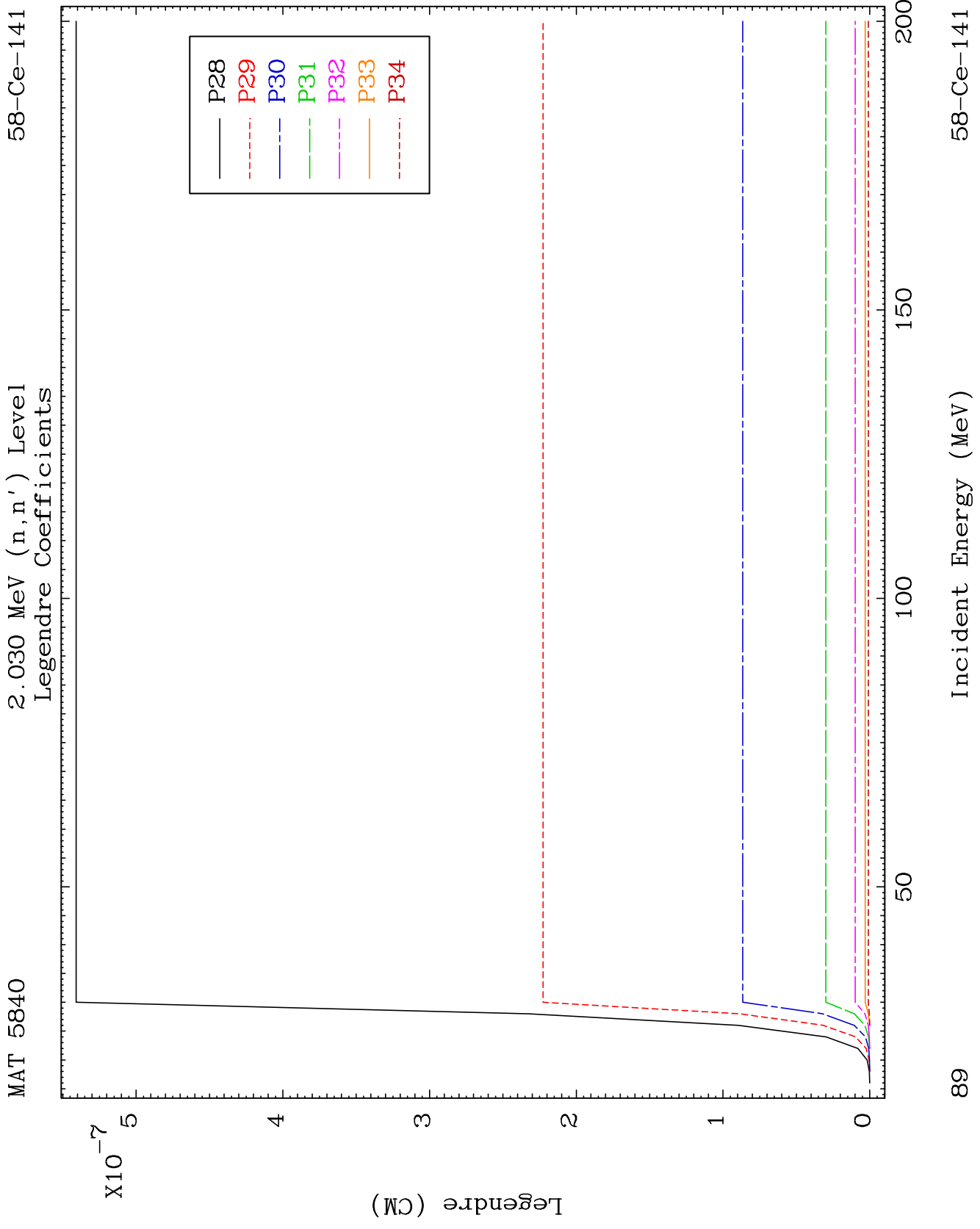
1.994 MeV (n, n') Level
Legendre Coefficients

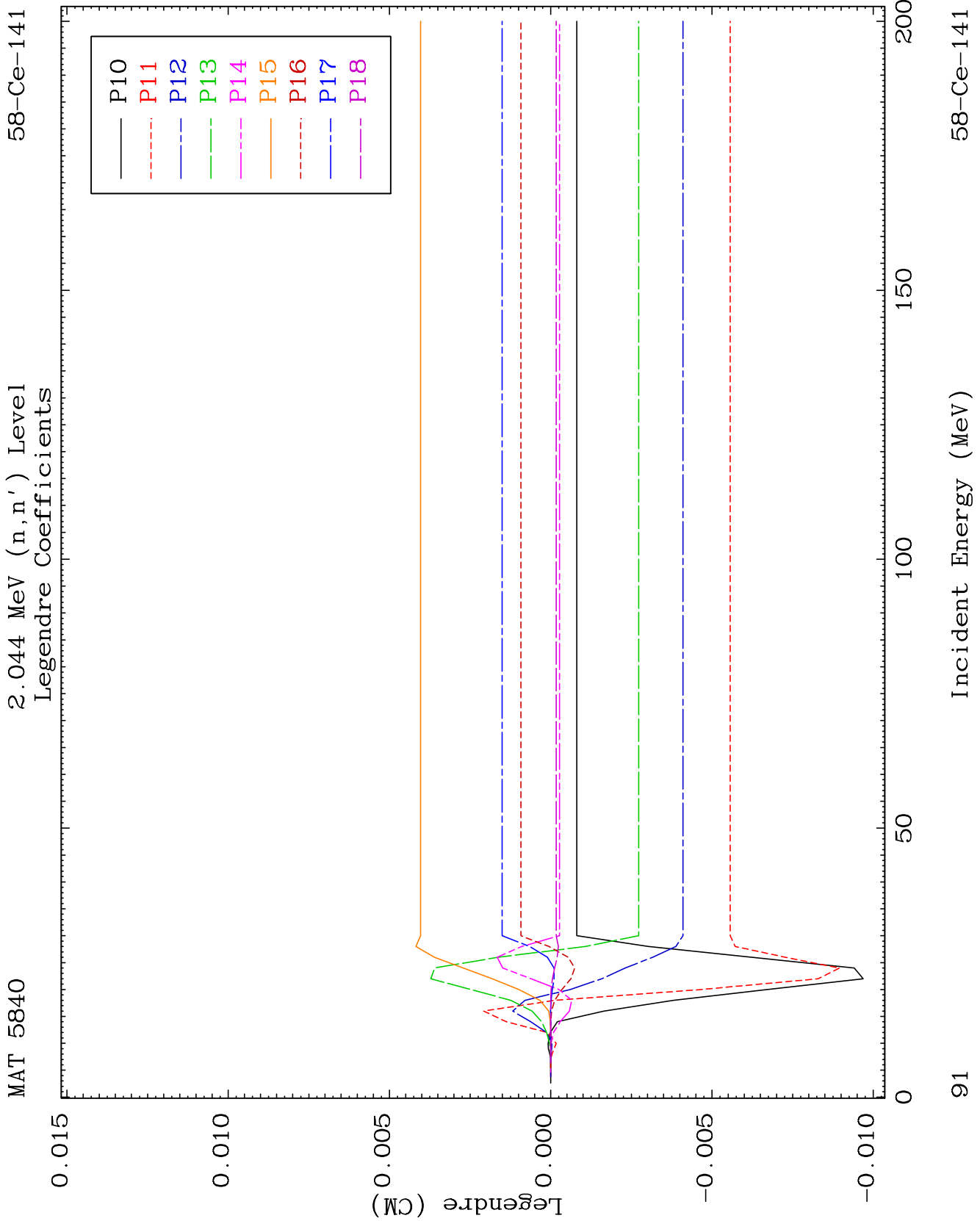
58-Ce-141

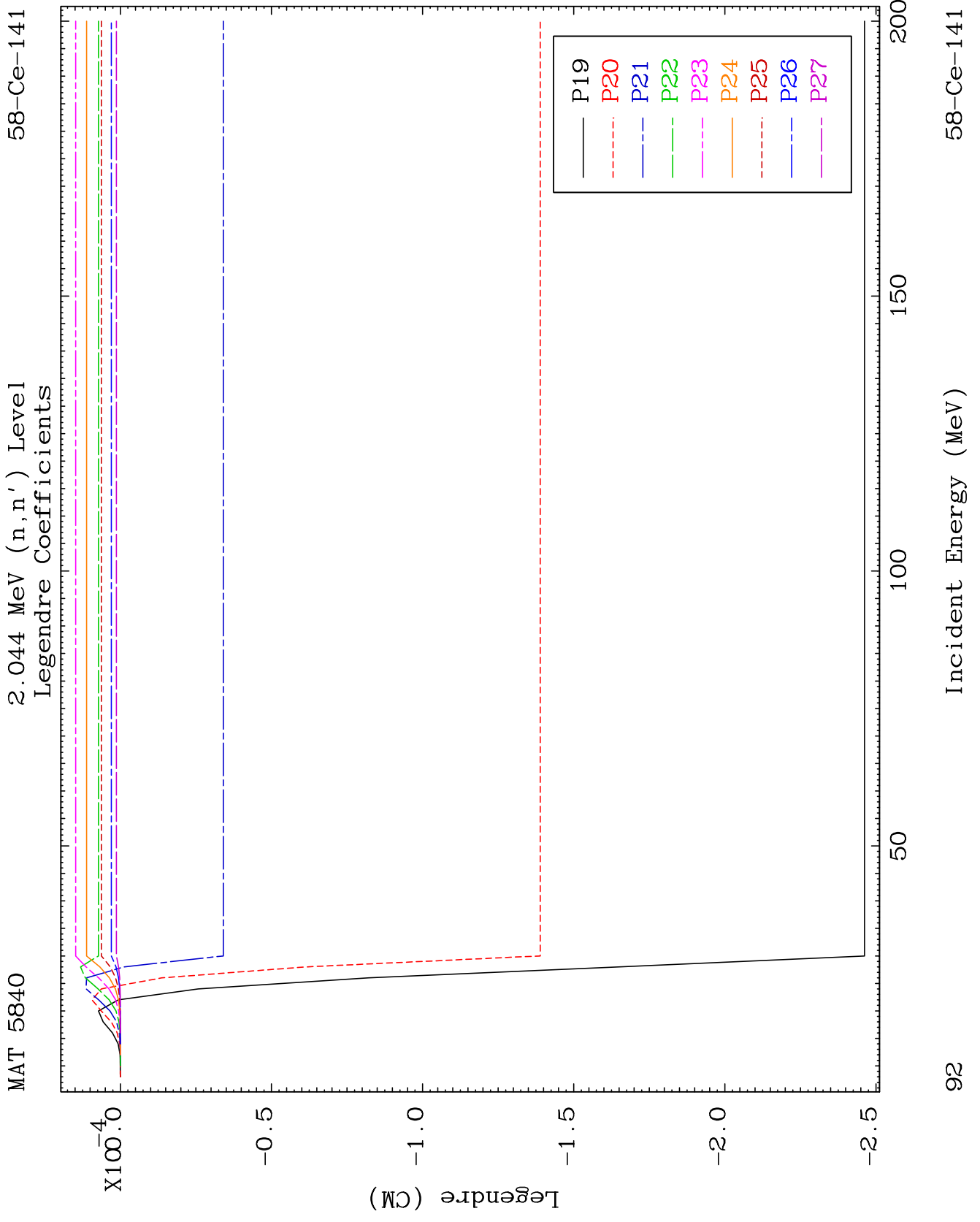


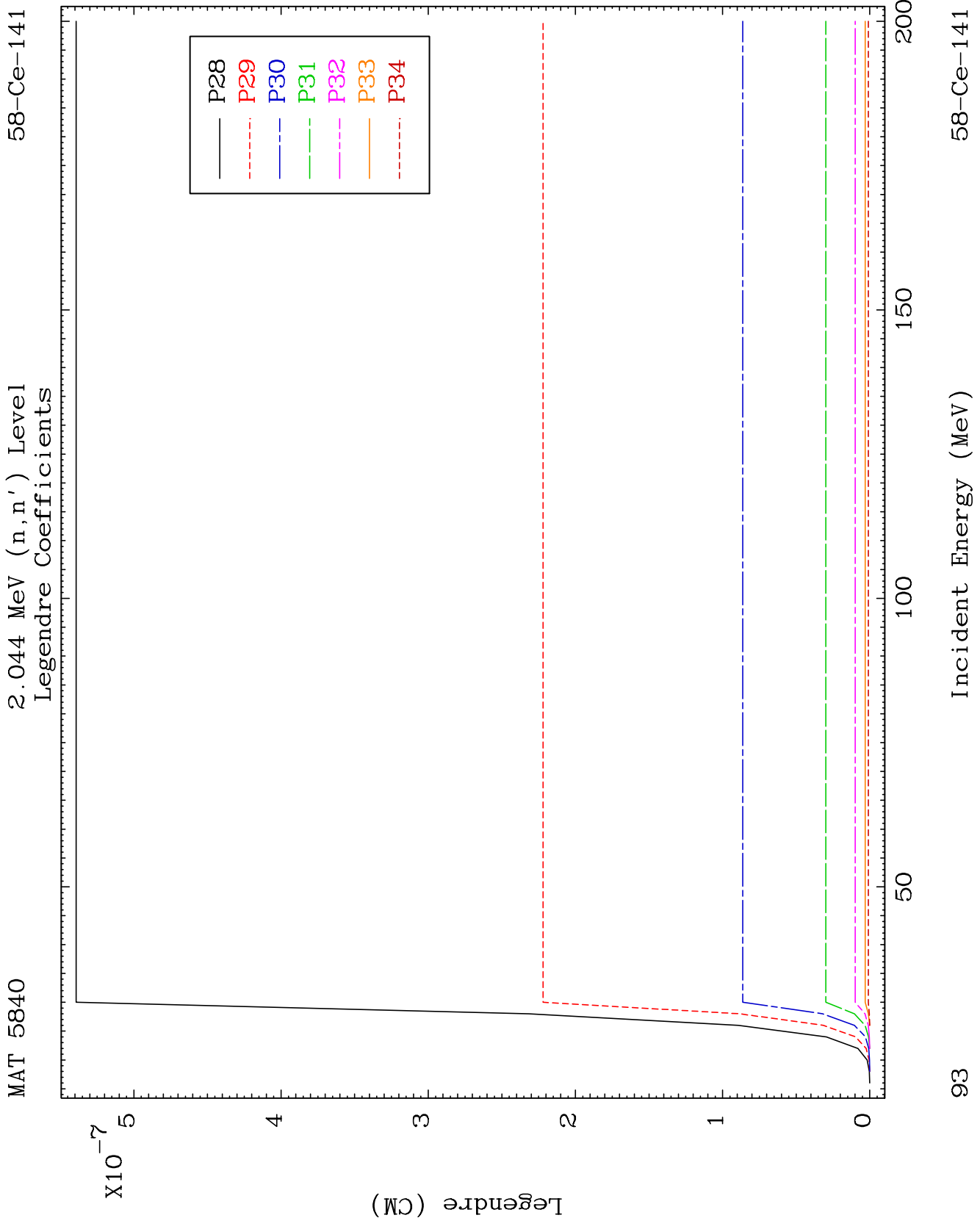


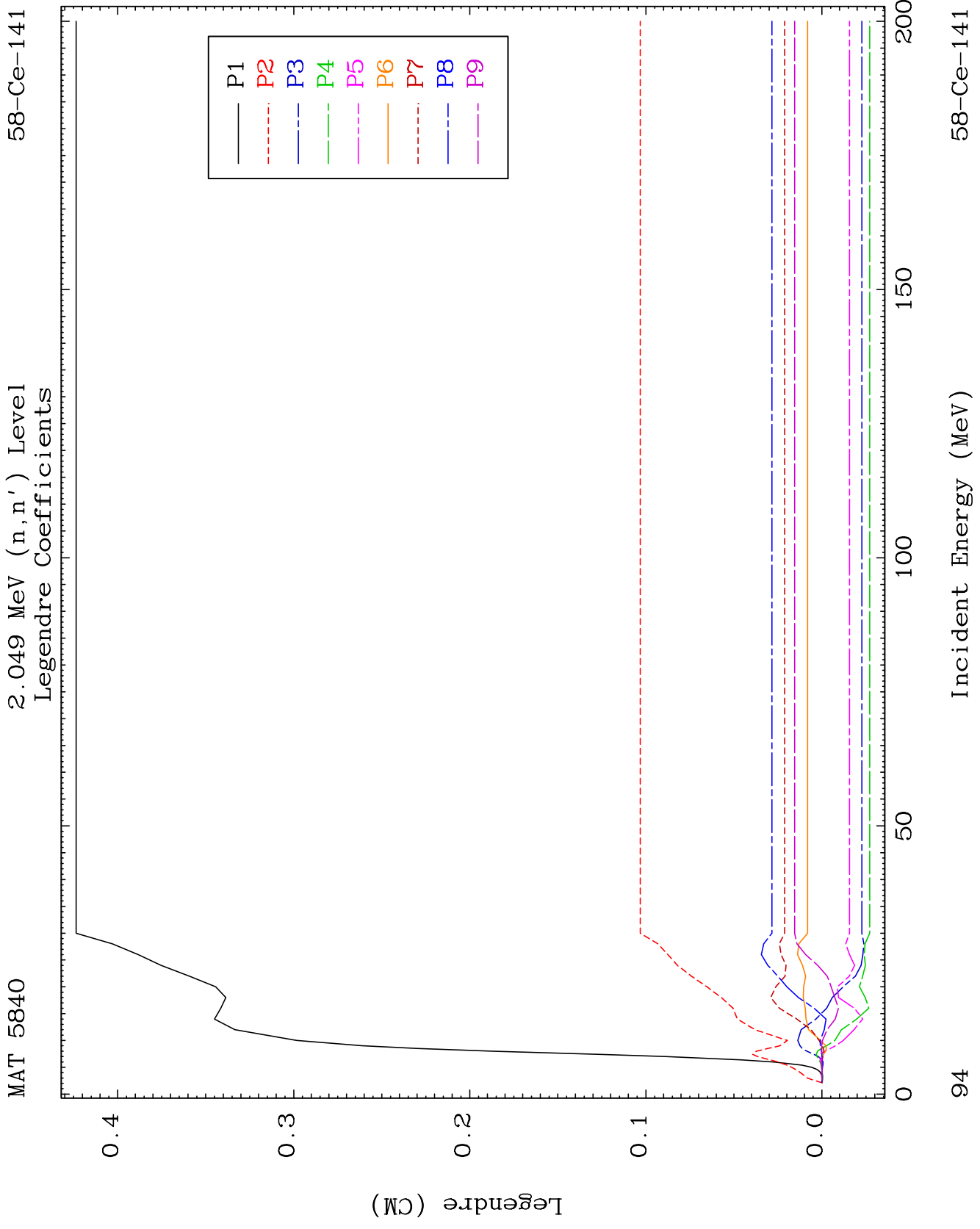


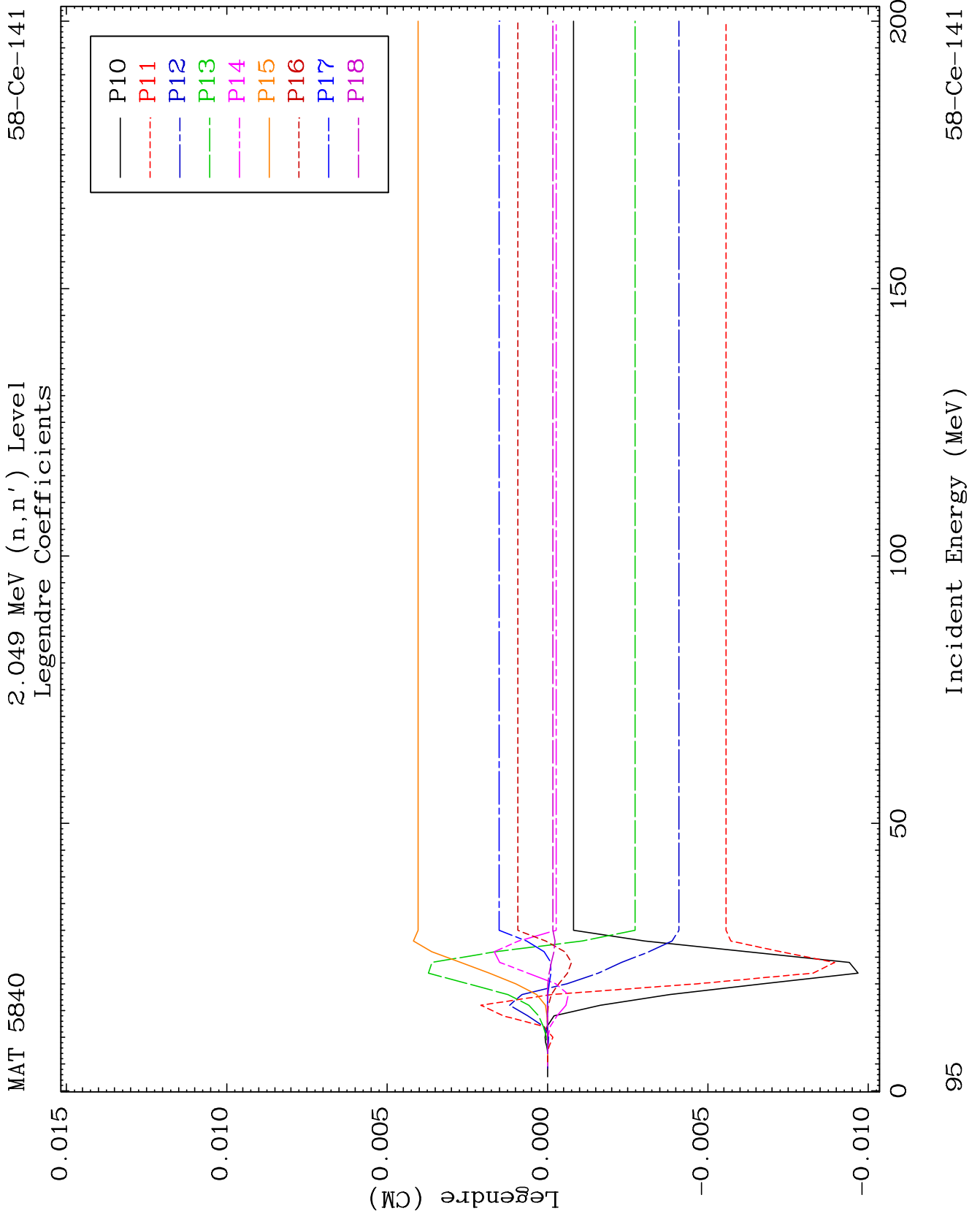


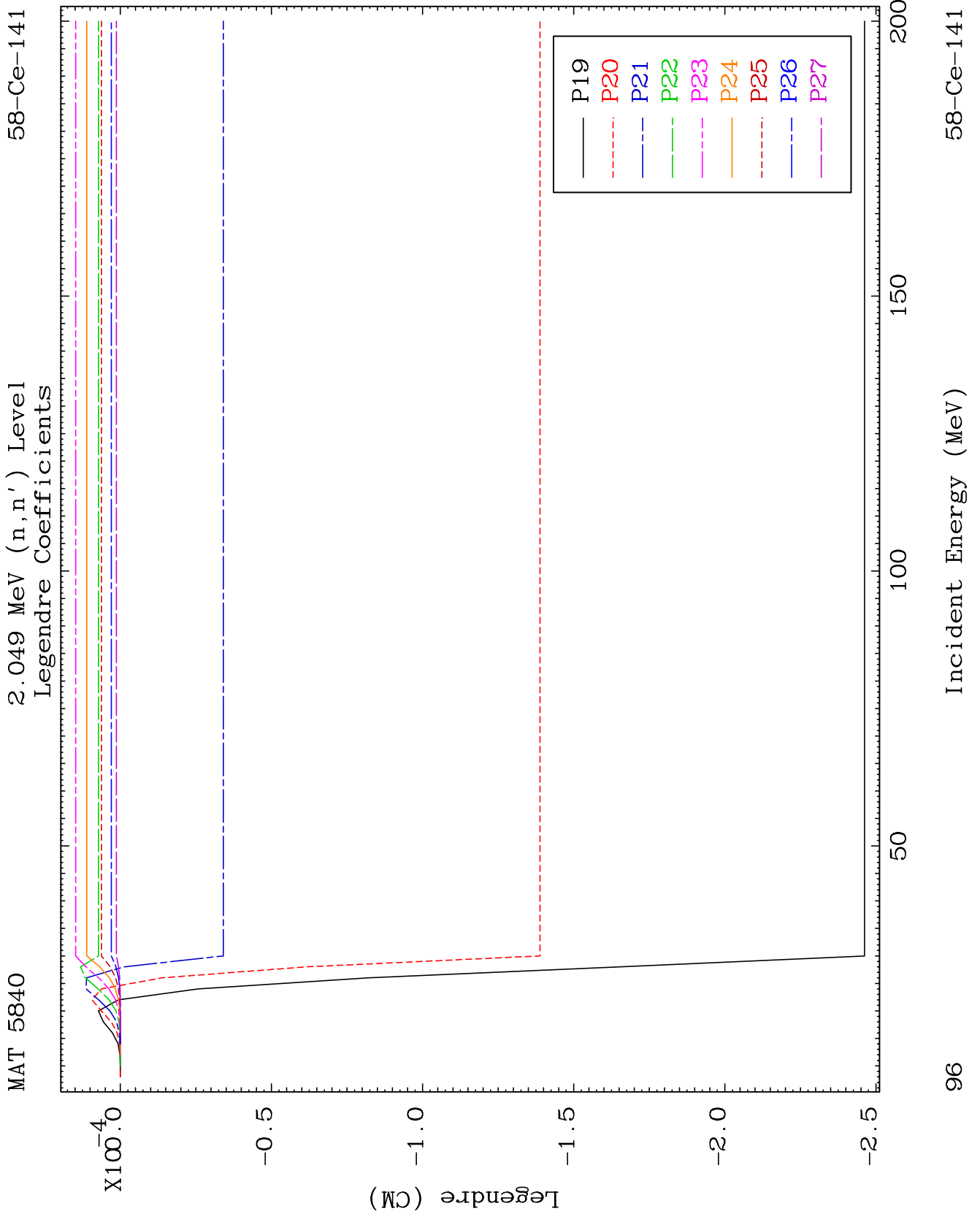








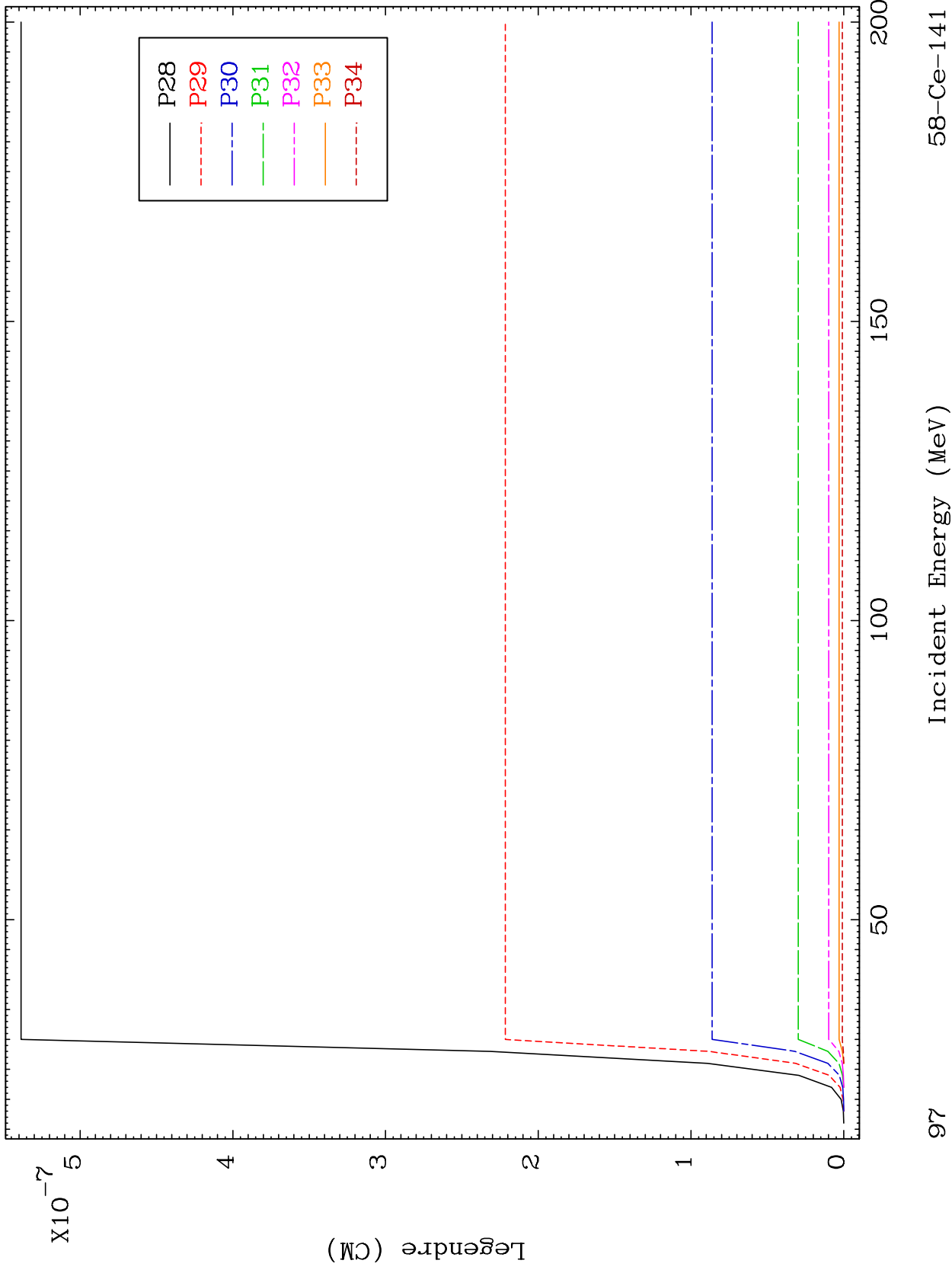




MAT 5840

2.049 MeV (n,n') Level
Legendre Coefficients

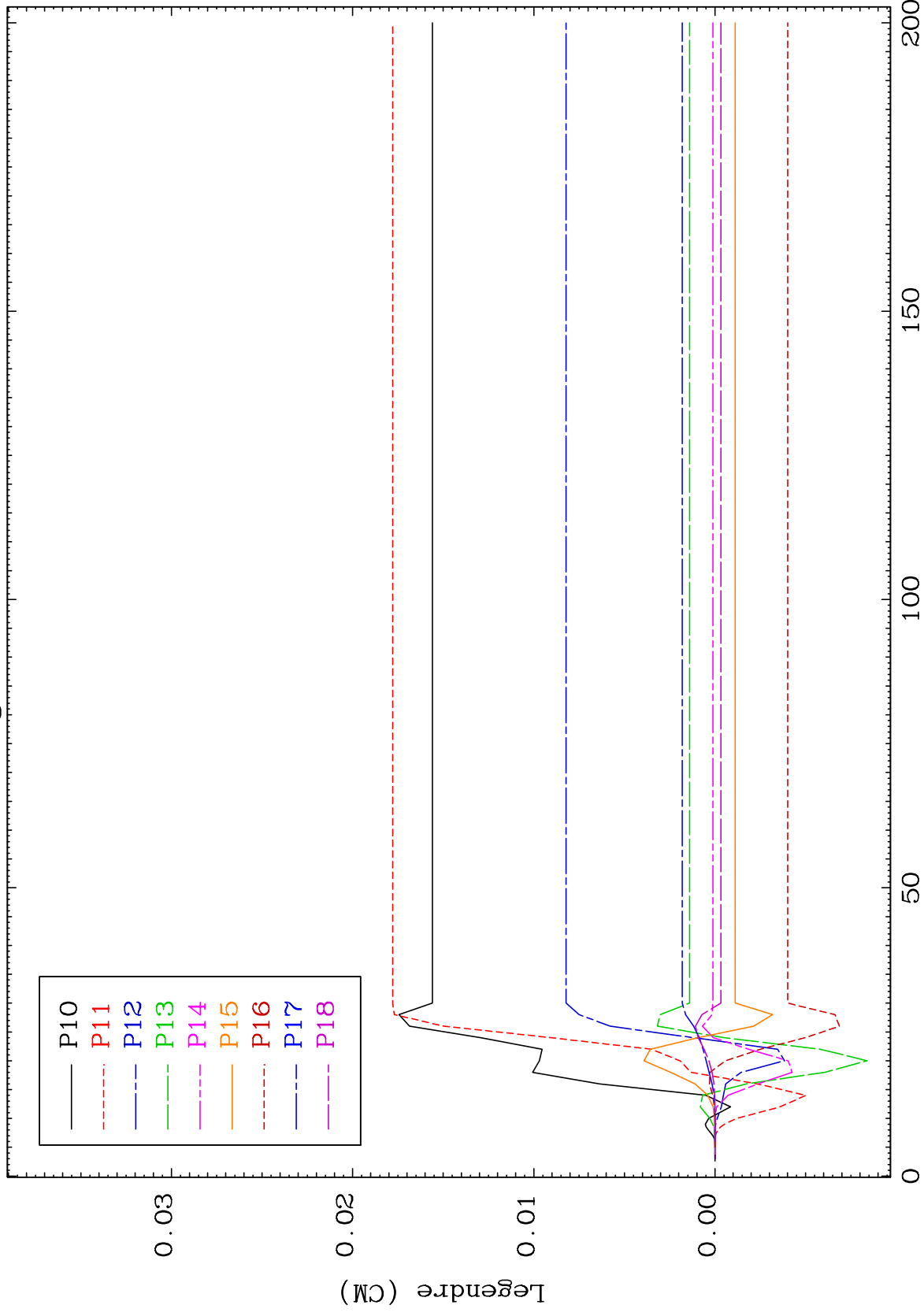
58-Ce-141



MAT 5840

2.113 MeV (n, n') Level
Legendre Coefficients

58-Ce-141



99

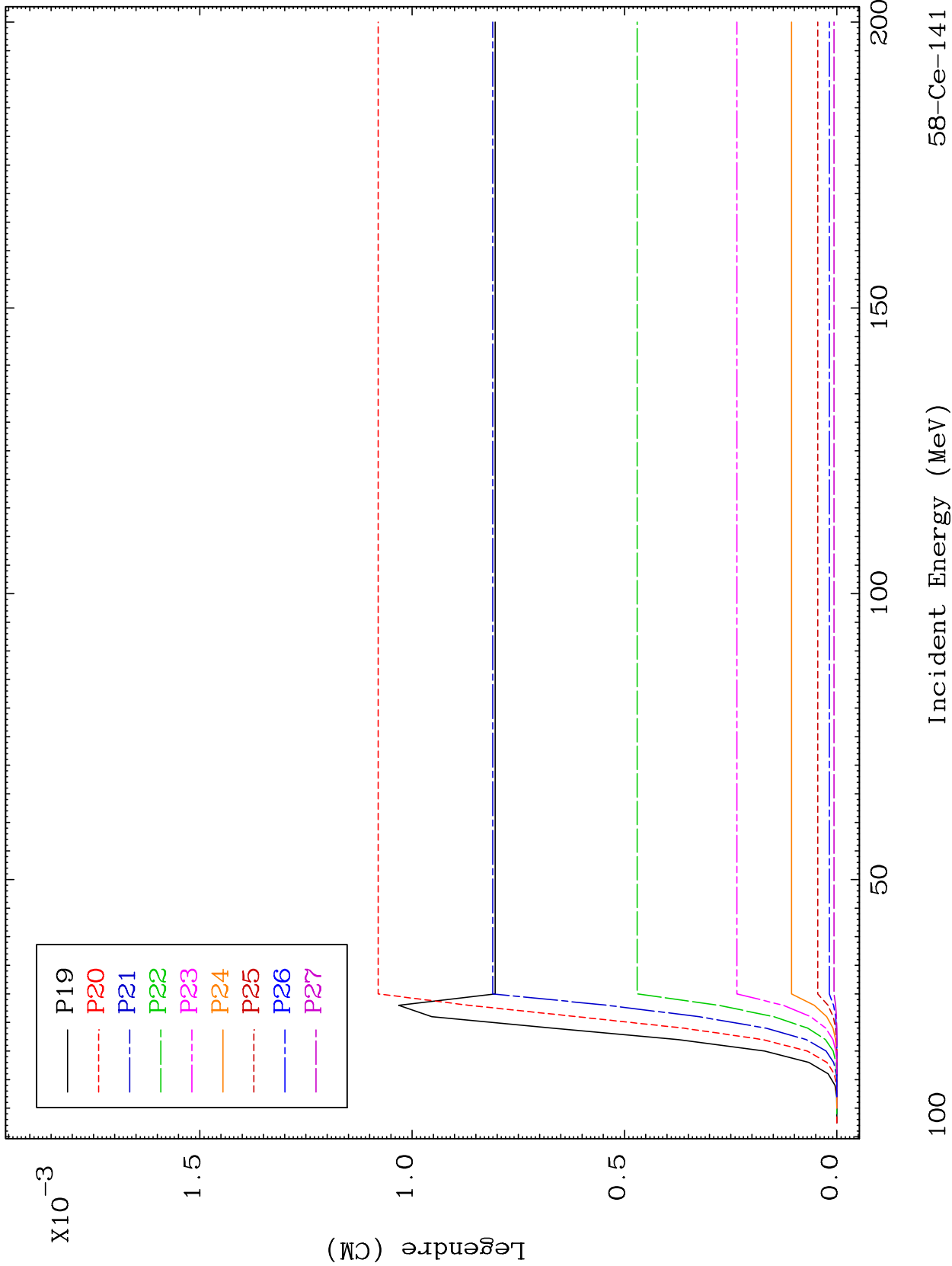
Incident Energy (MeV)

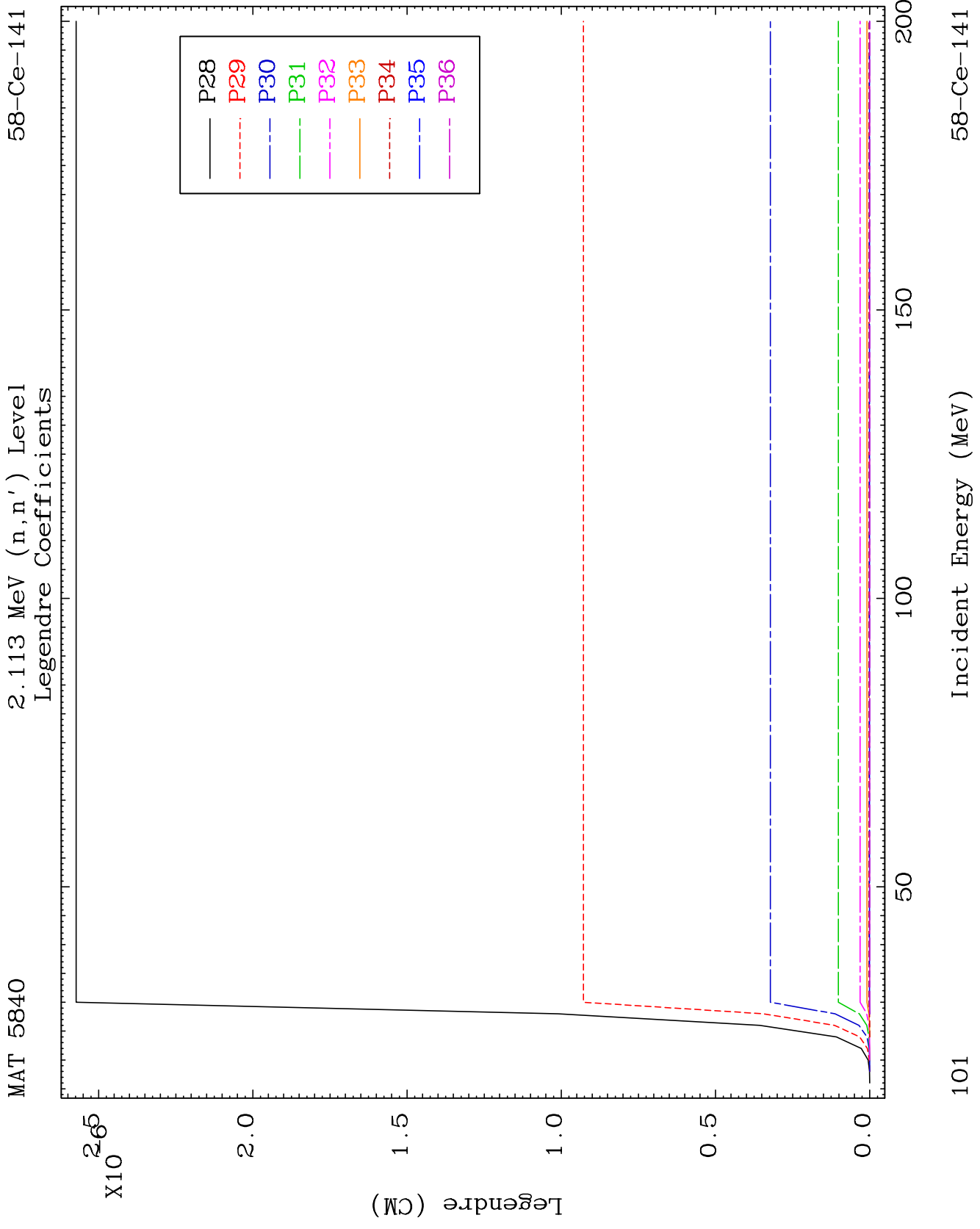
58-Ce-141

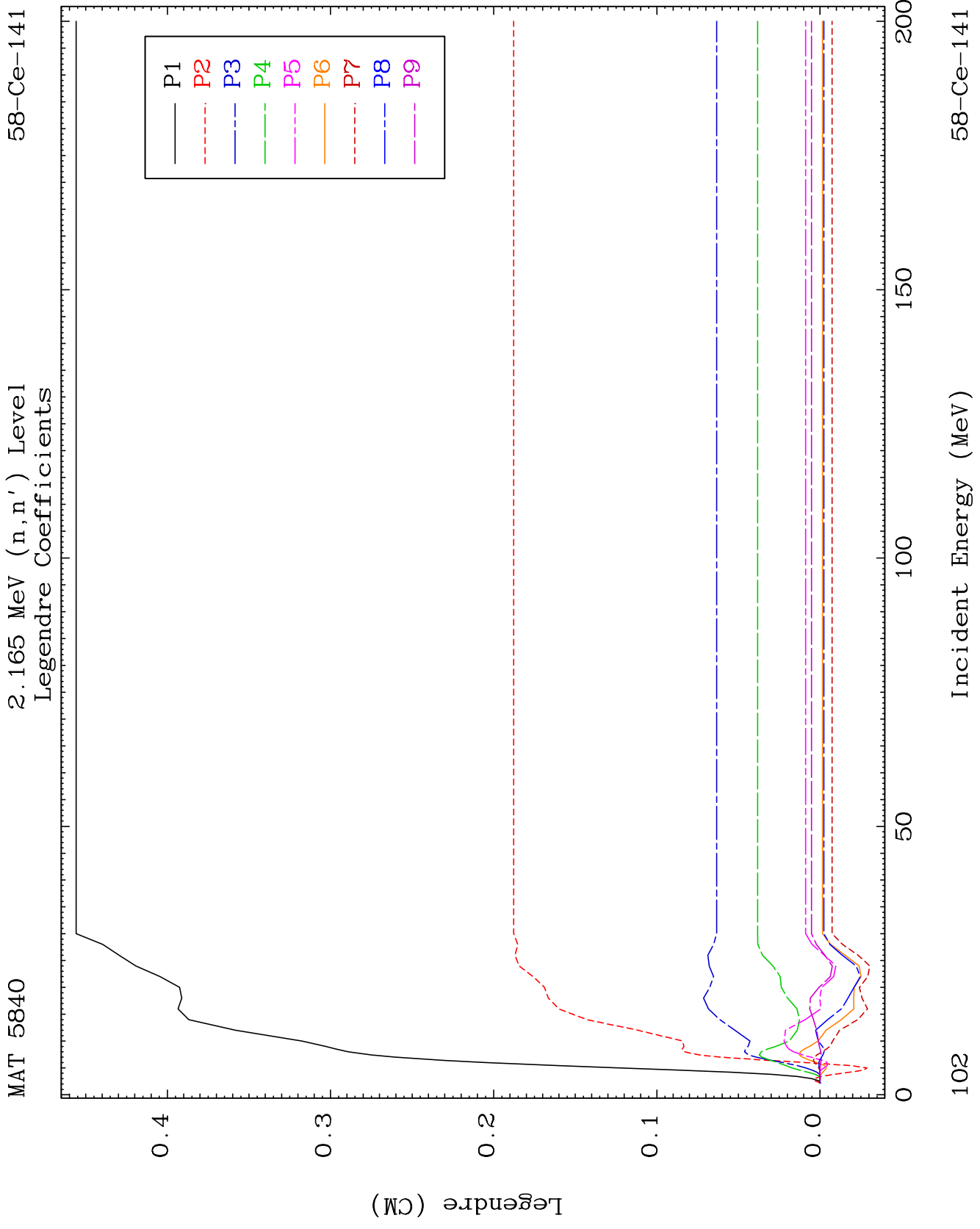
MAT 5840

2.113 MeV (n, n') Level
Legendre Coefficients

58-Ce-141



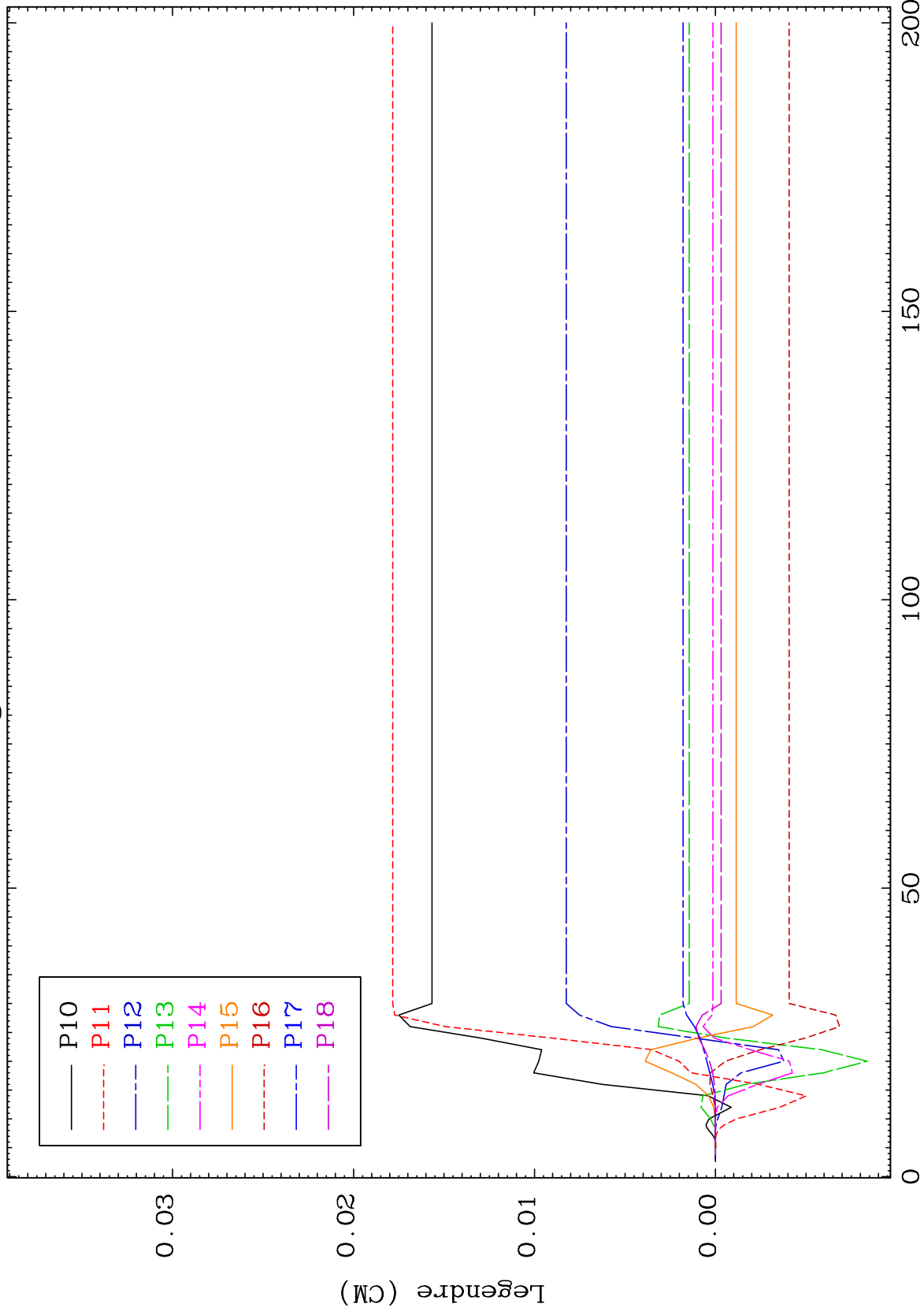




MAT 5840

2.165 MeV (n,n') Level
Legendre Coefficients

58-Ce-141



103

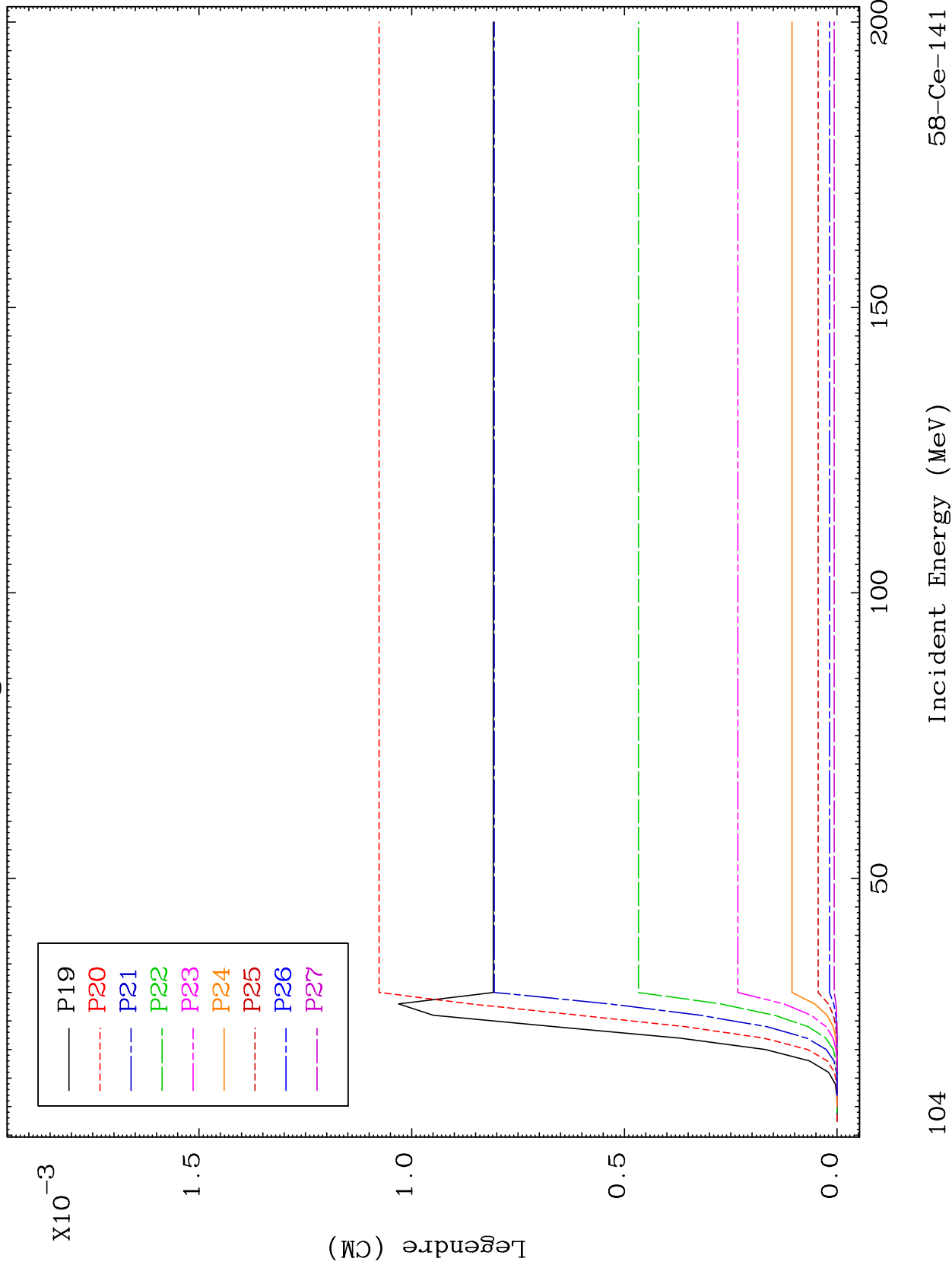
Incident Energy (MeV)

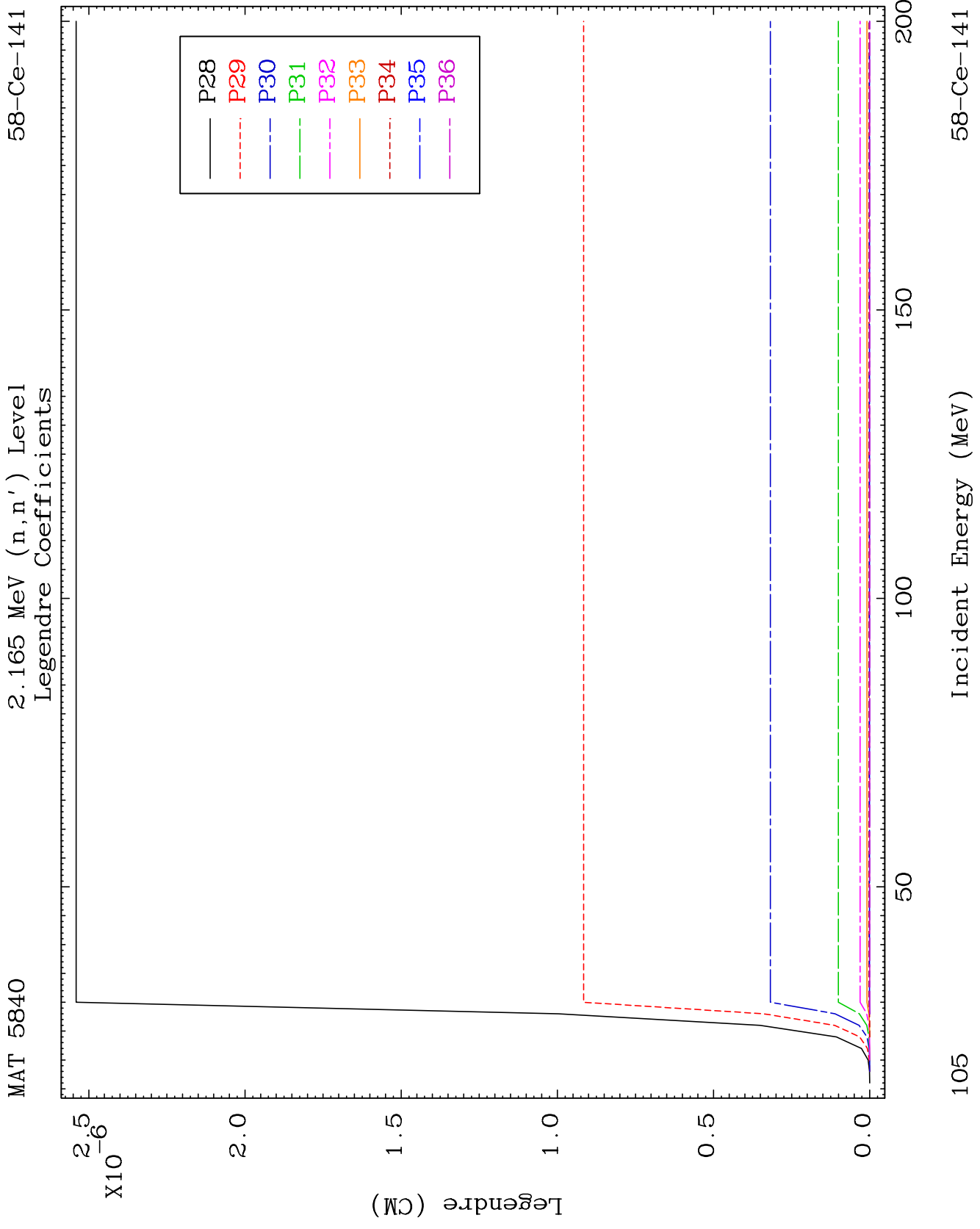
58-Ce-141

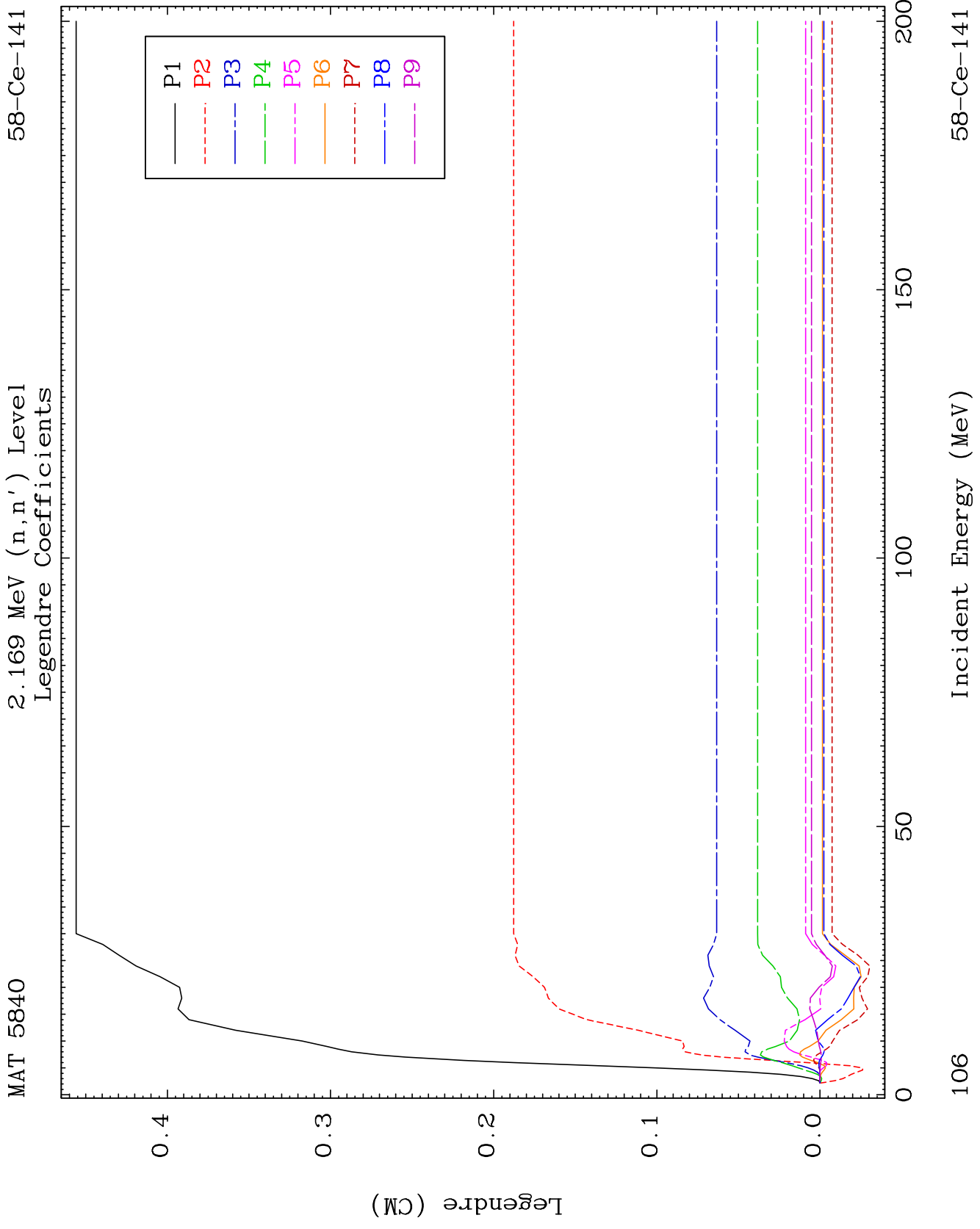
MAT 5840

2.165 MeV (n,n') Level
Legendre Coefficients

58-Ce-141



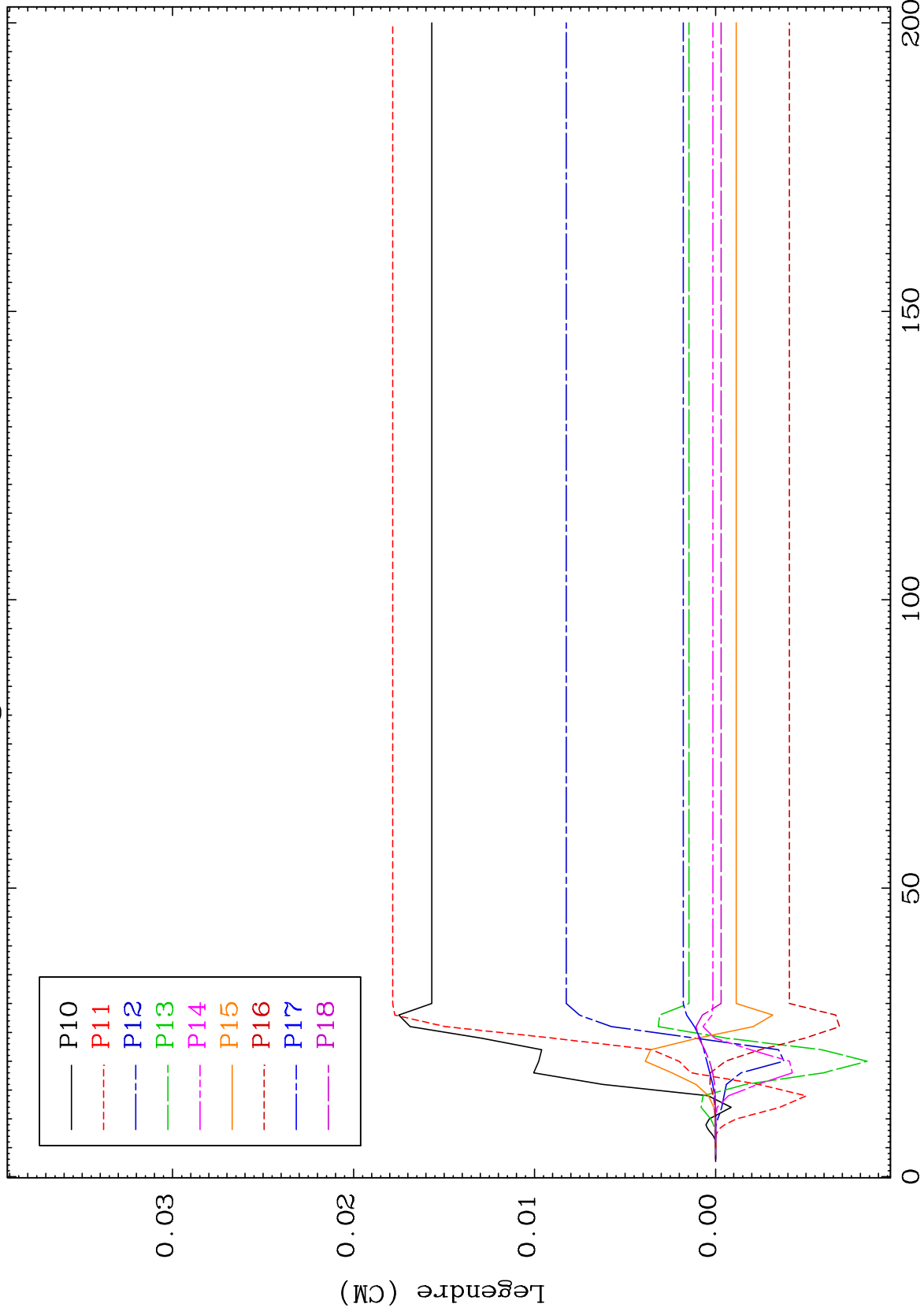




MAT 5840

2.169 MeV (n,n') Level
Legendre Coefficients

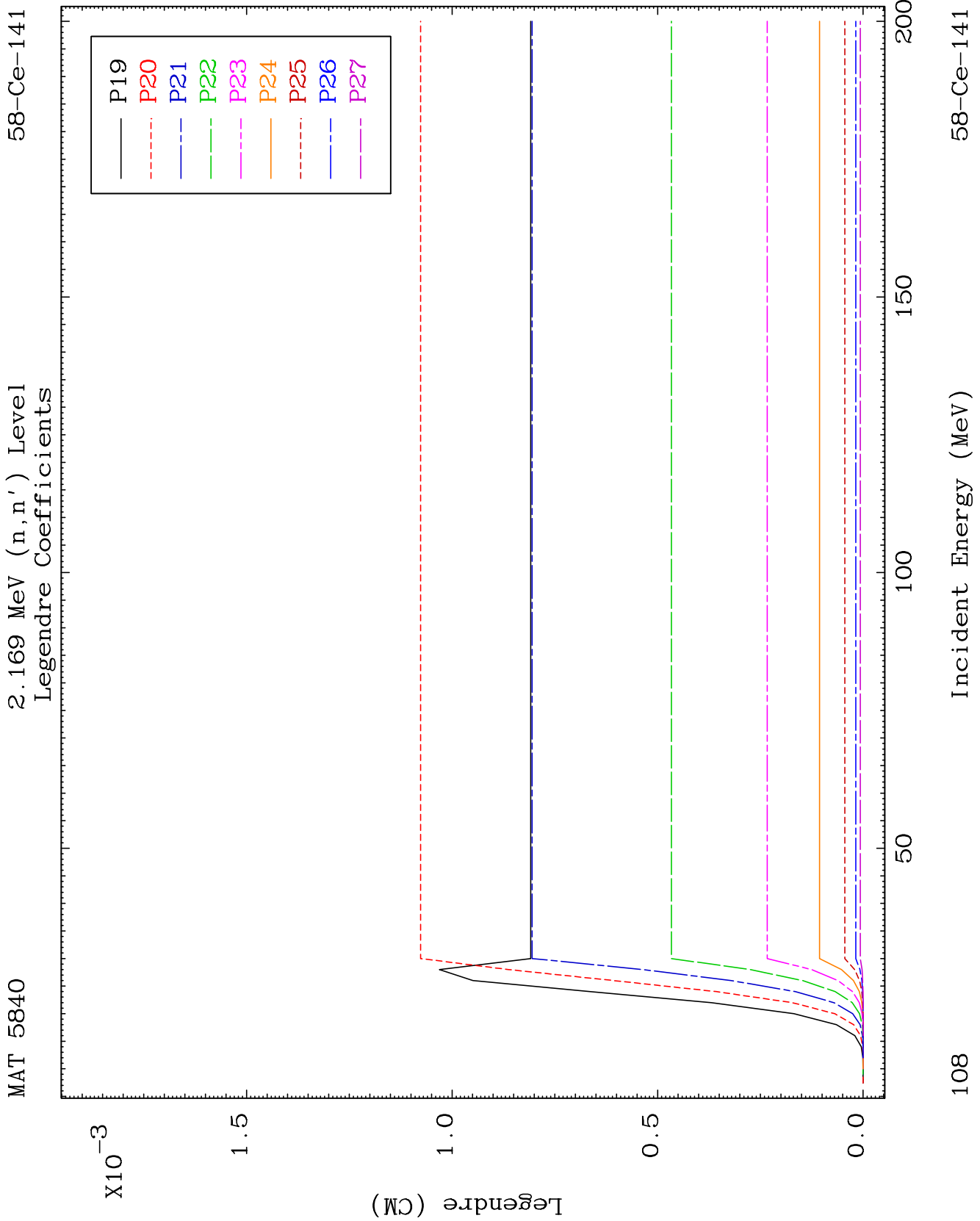
58-Ce-141

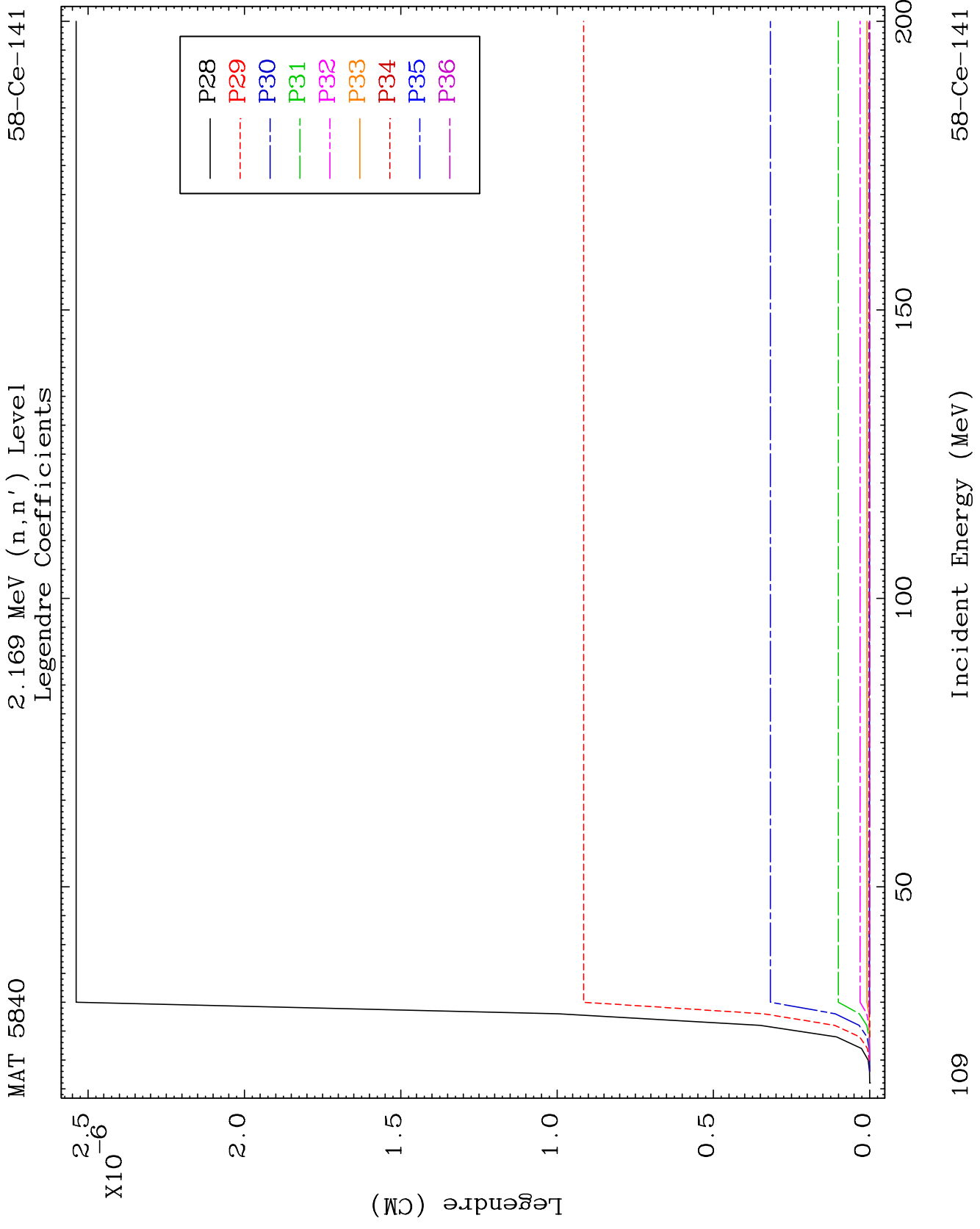


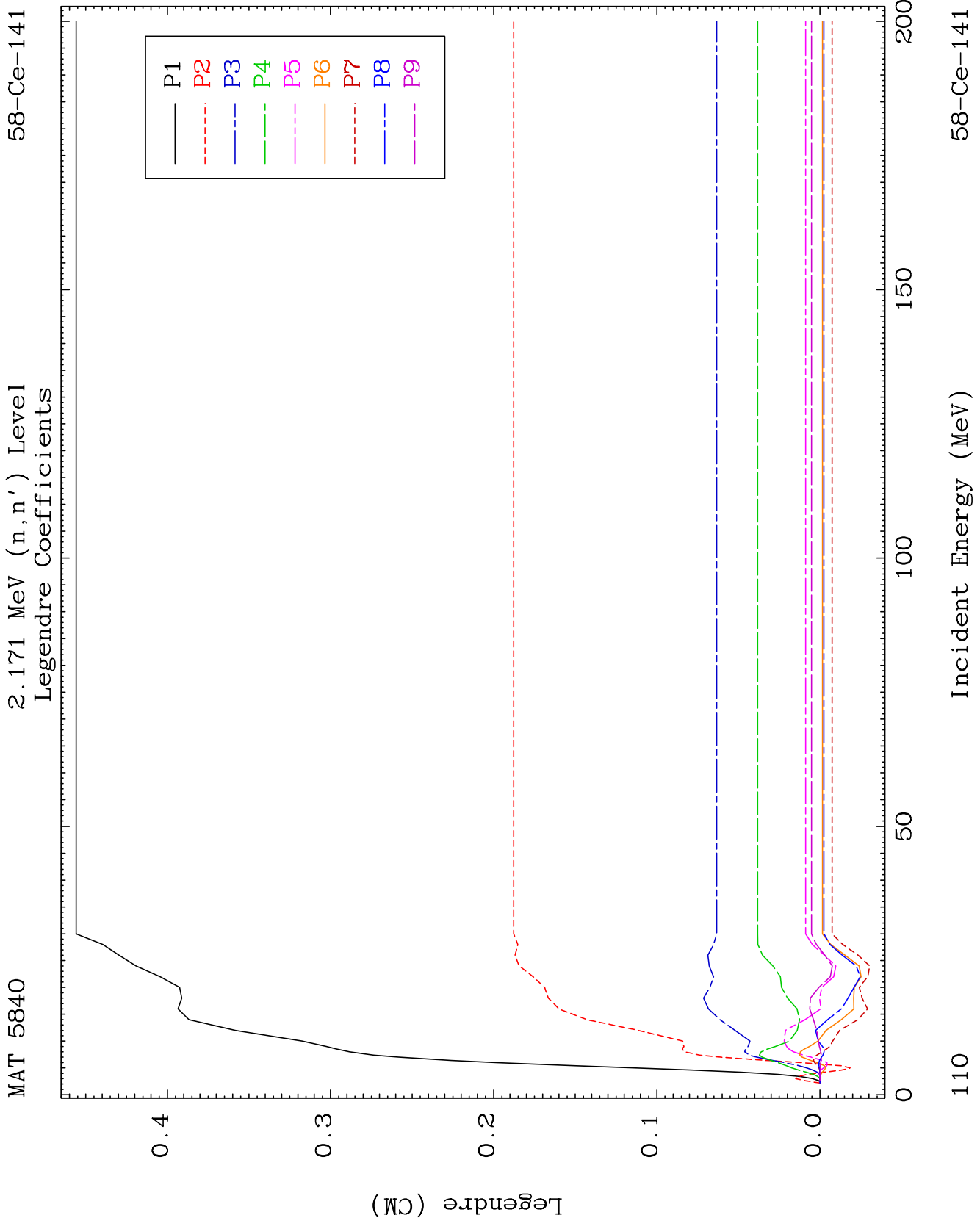
107

Incident Energy (MeV)

58-Ce-141



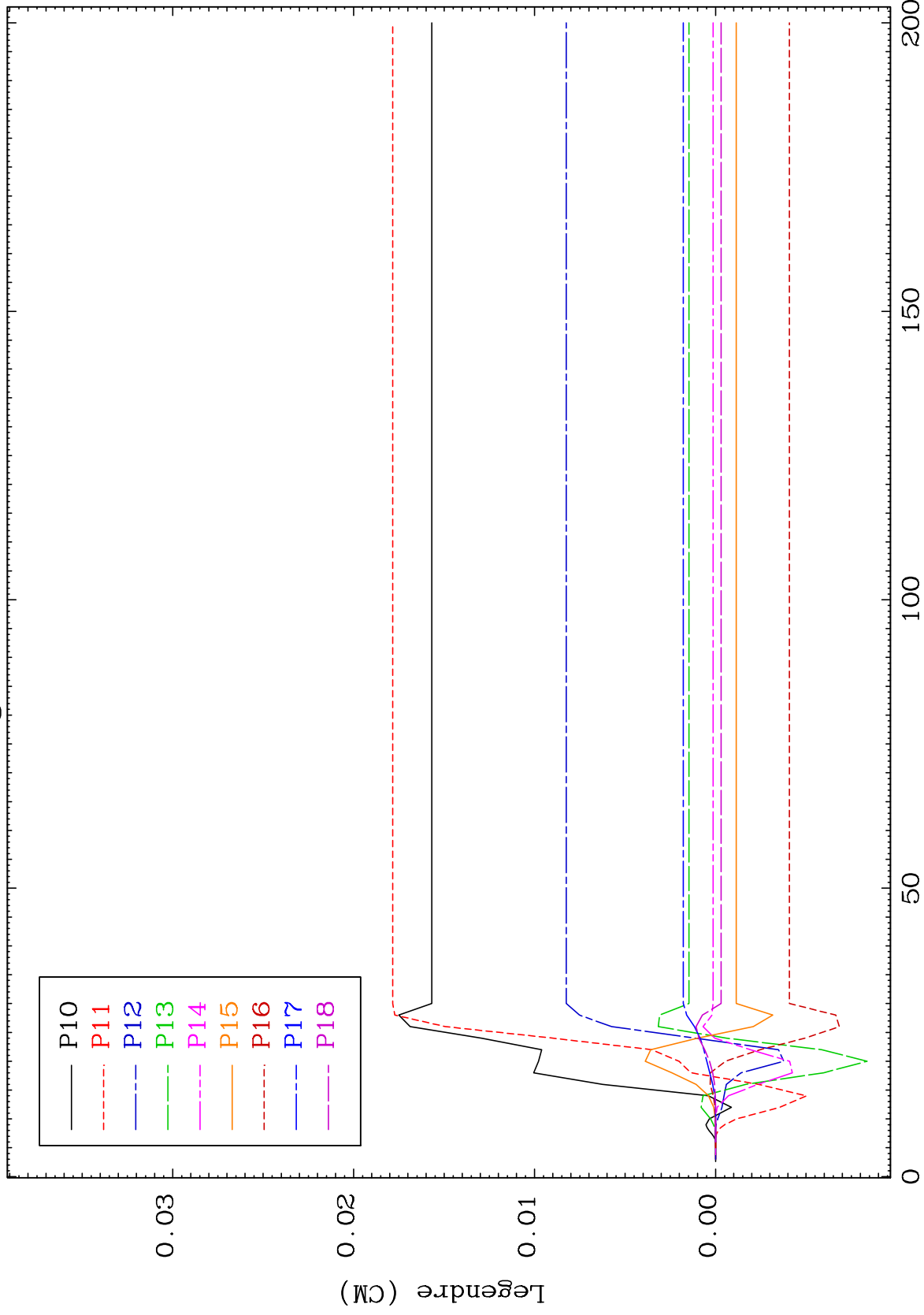




MAT 5840

2.171 MeV (n,n') Level
Legendre Coefficients

58-Ce-141



111

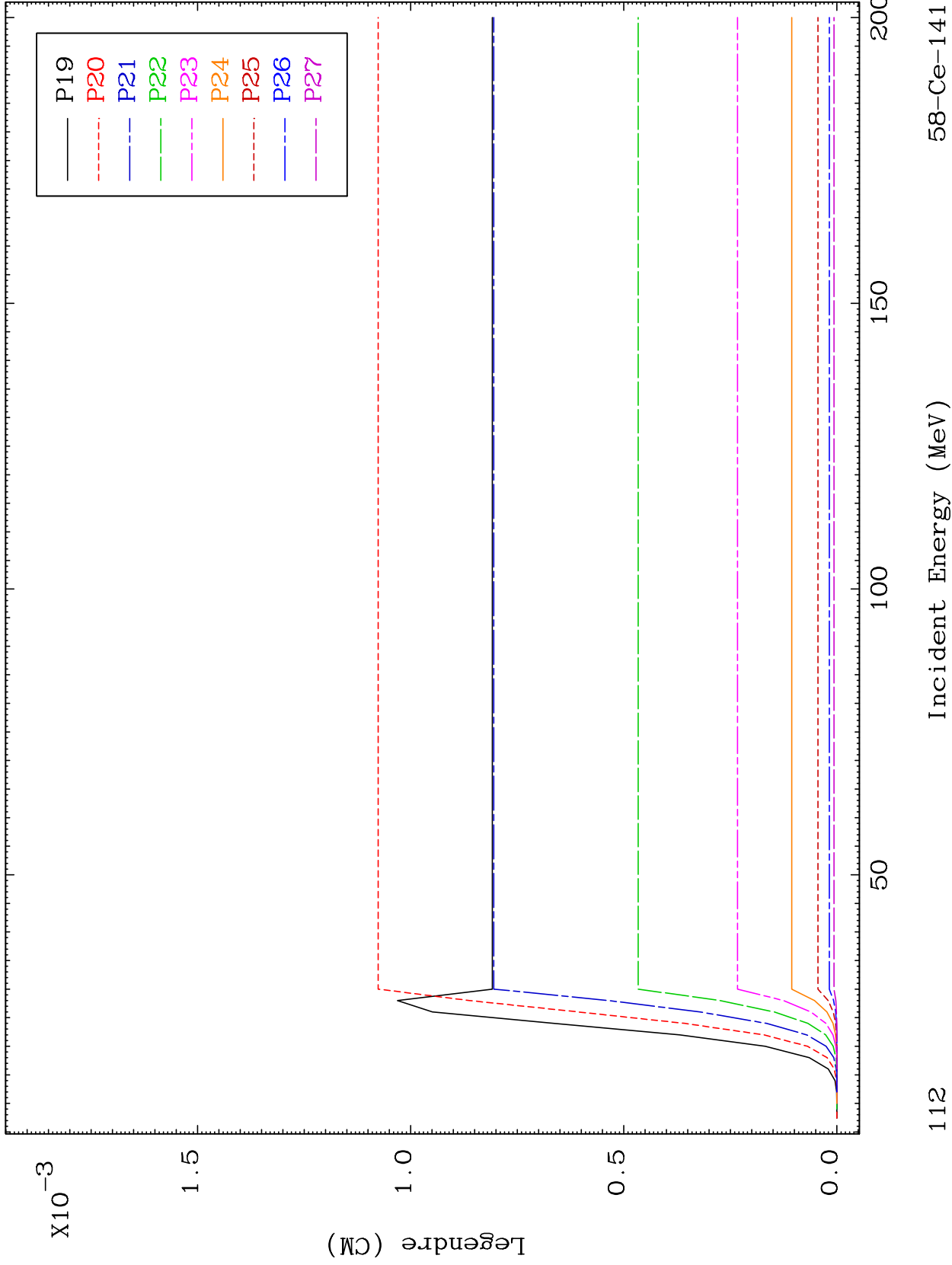
Incident Energy (MeV)

58-Ce-141

MAT 5840

2.171 MeV (n,n') Level
Legendre Coefficients

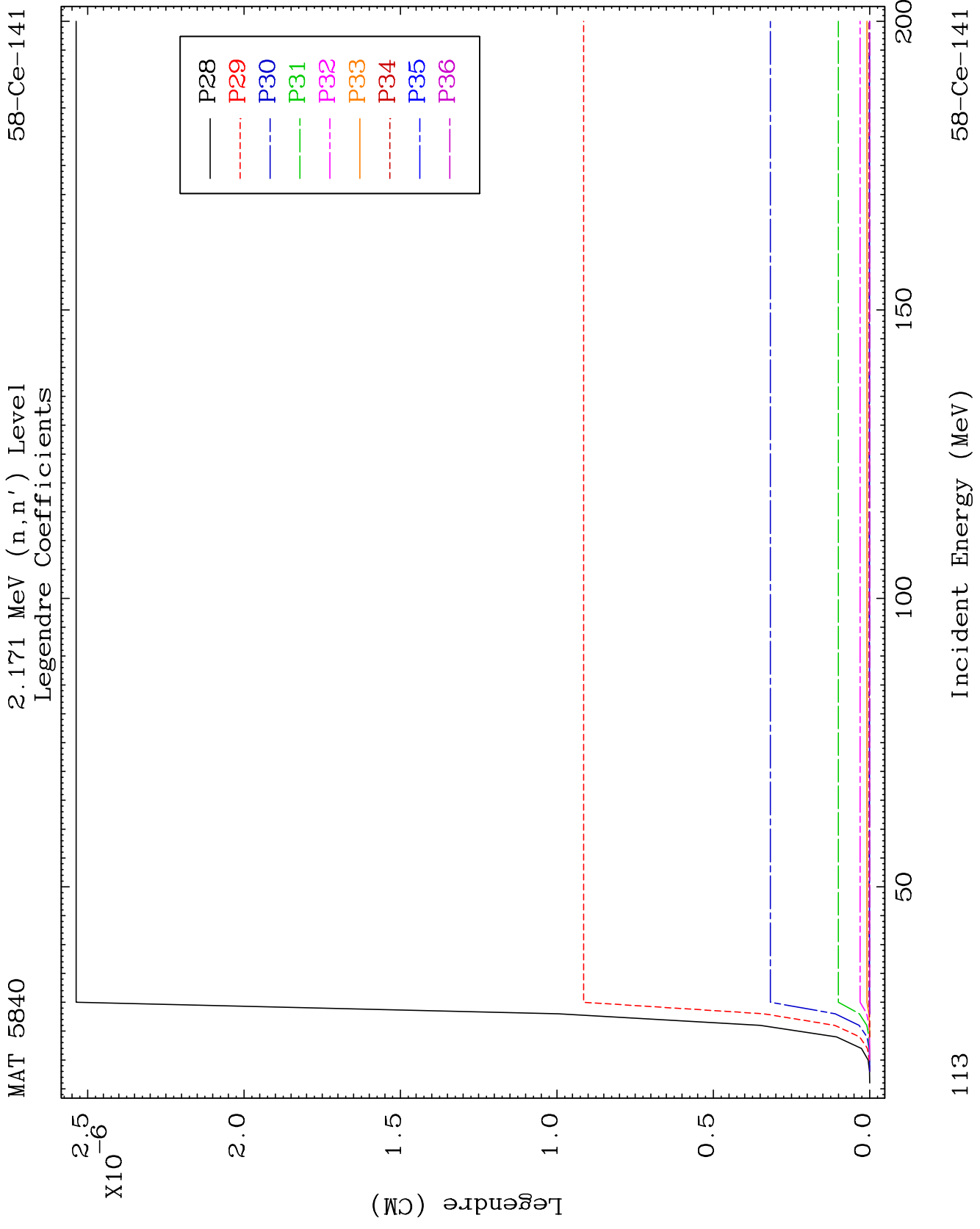
58-Ce-141



112

Incident Energy (MeV)

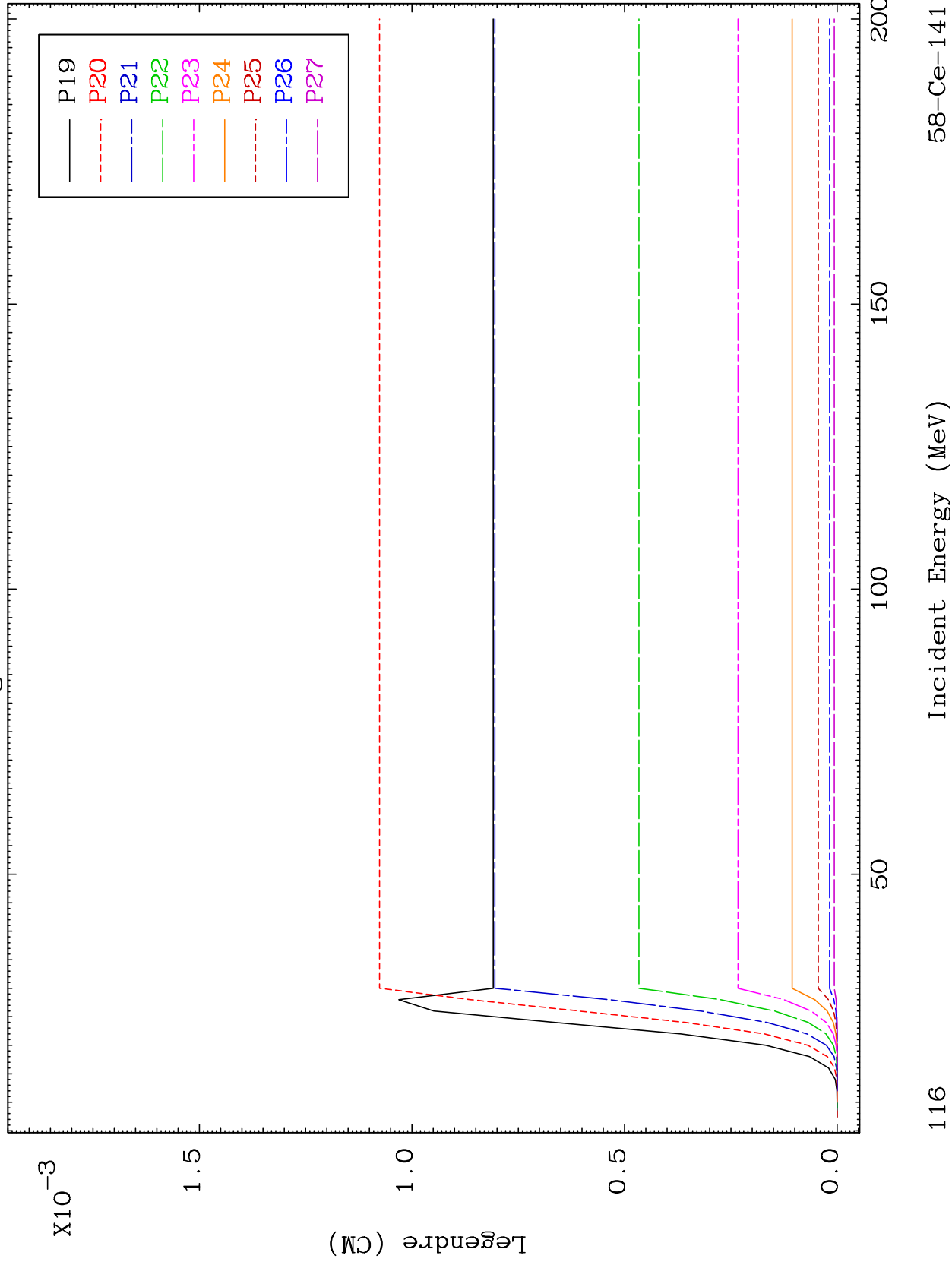
58-Ce-141



MAT 5840

2.174 MeV (n,n') Level
Legendre Coefficients

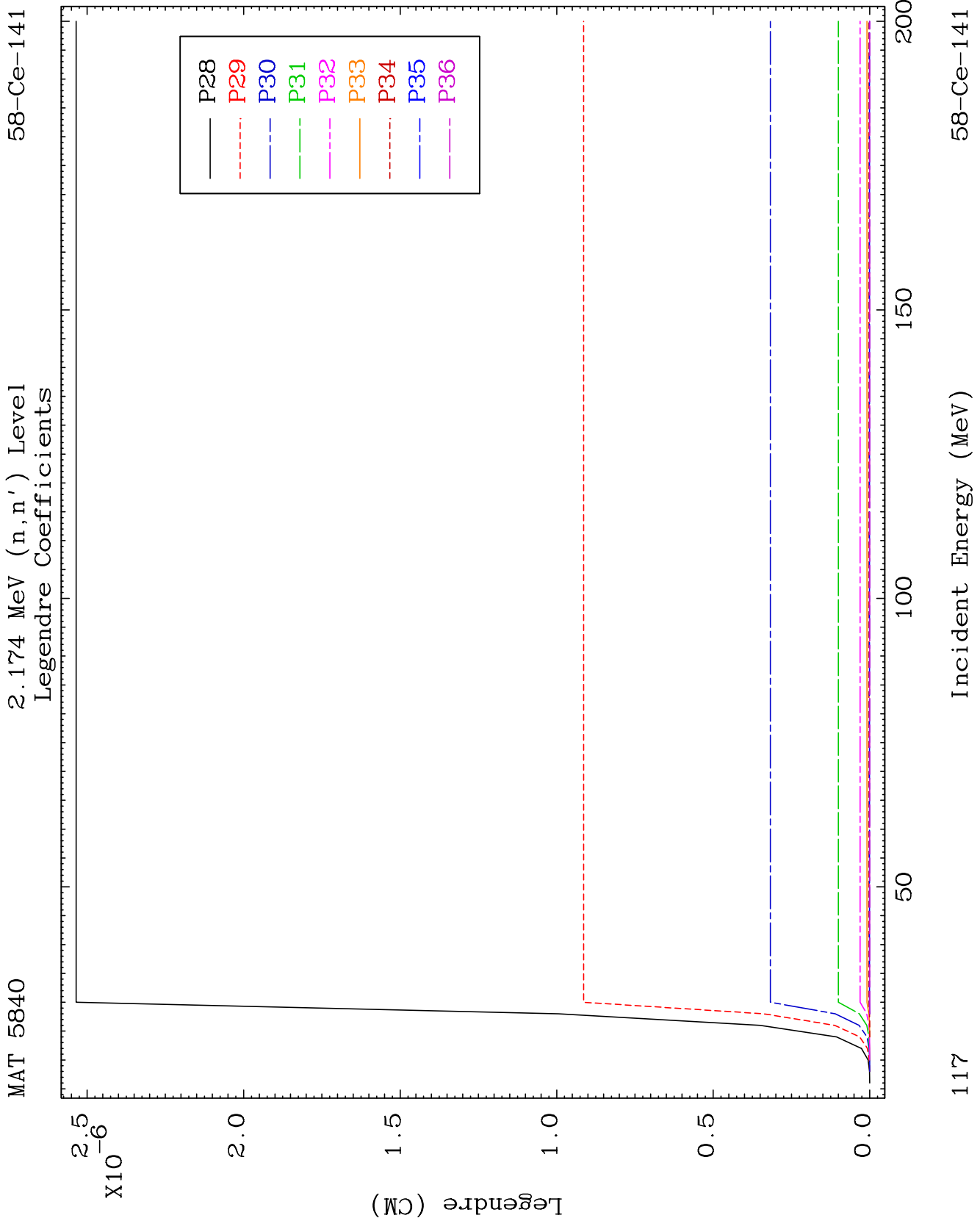
58-Ce-141

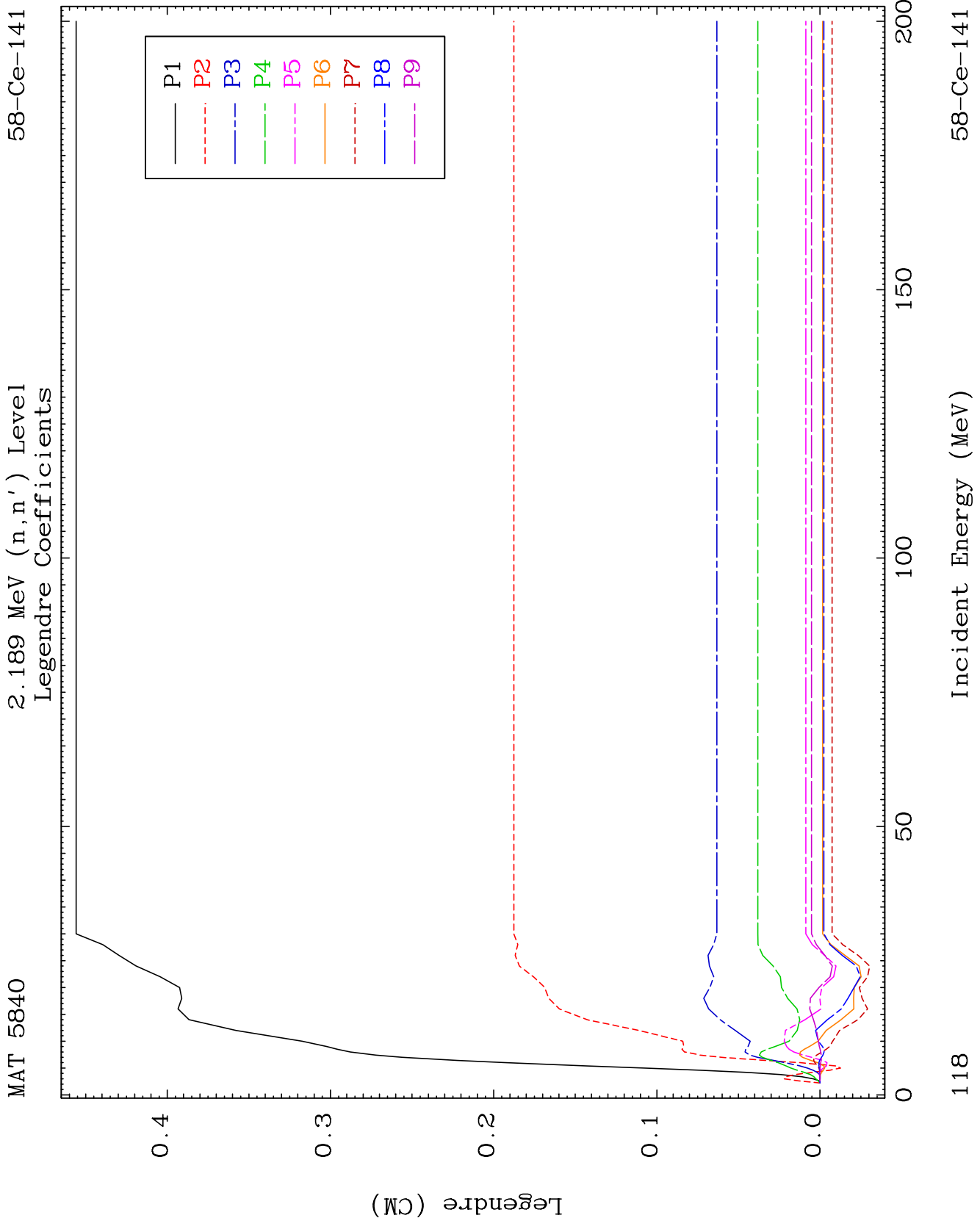


116

Incident Energy (MeV)

58-Ce-141

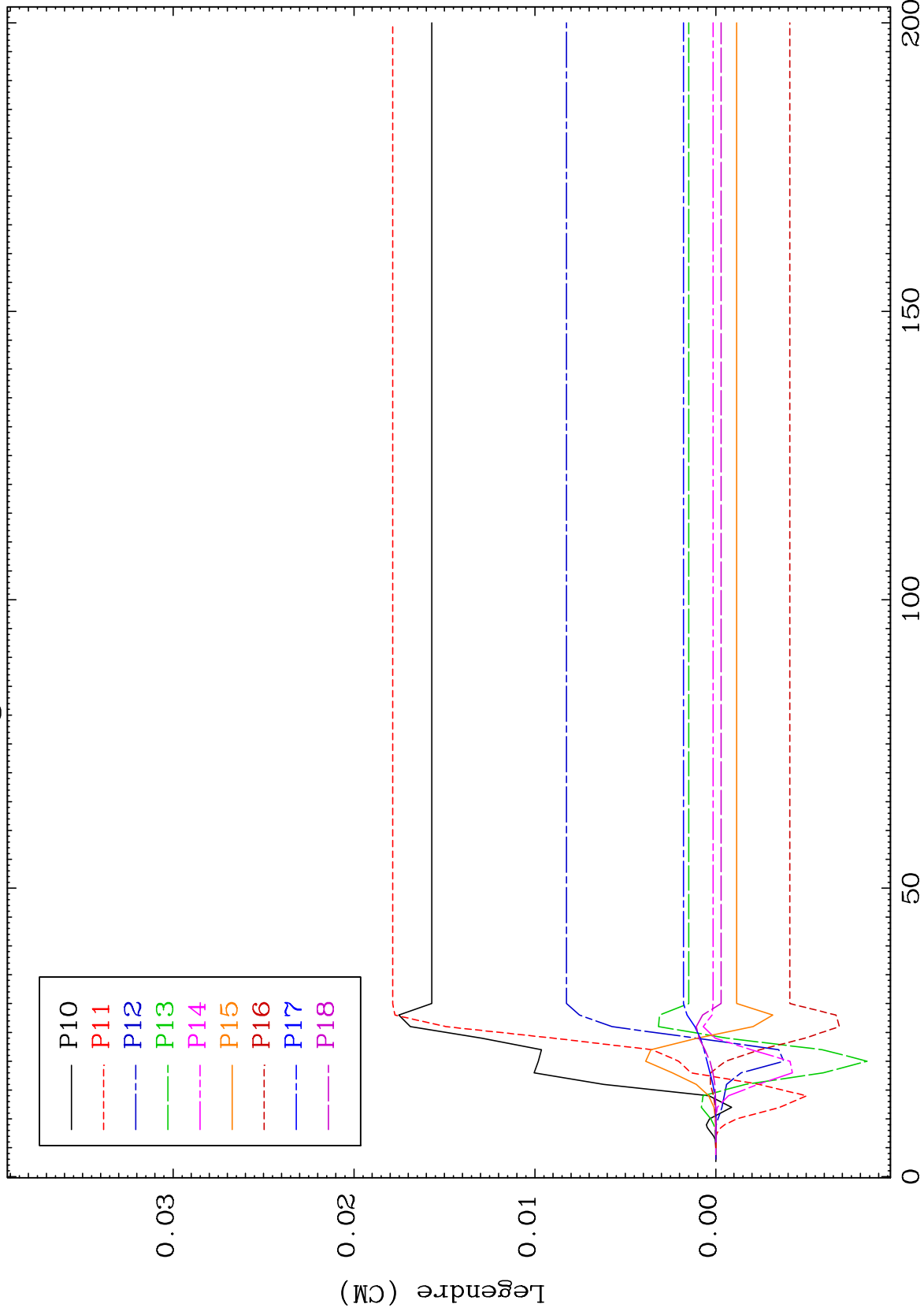




MAT 5840

2.189 MeV (n,n') Level
Legendre Coefficients

58-Ce-141



119

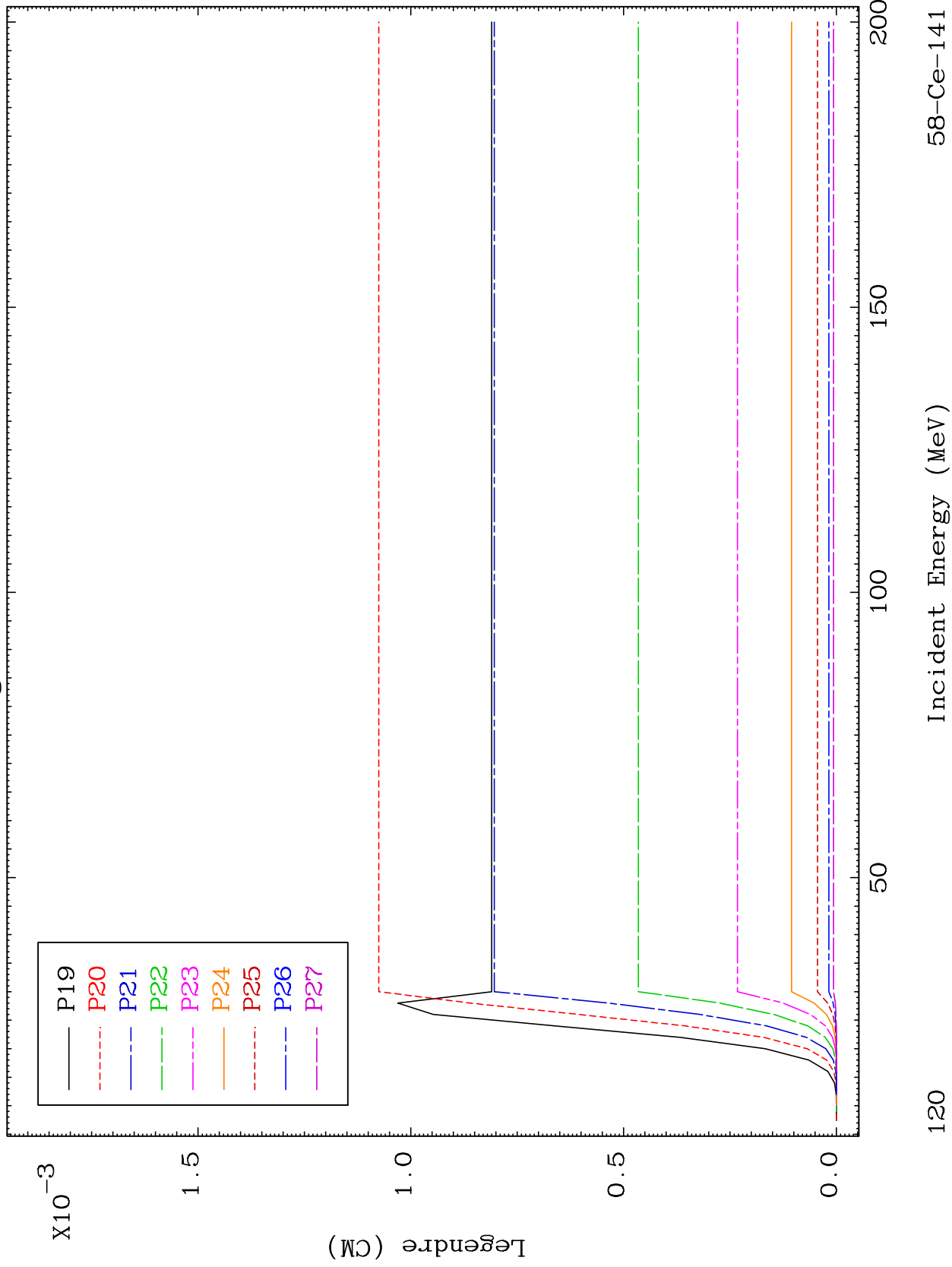
Incident Energy (MeV)

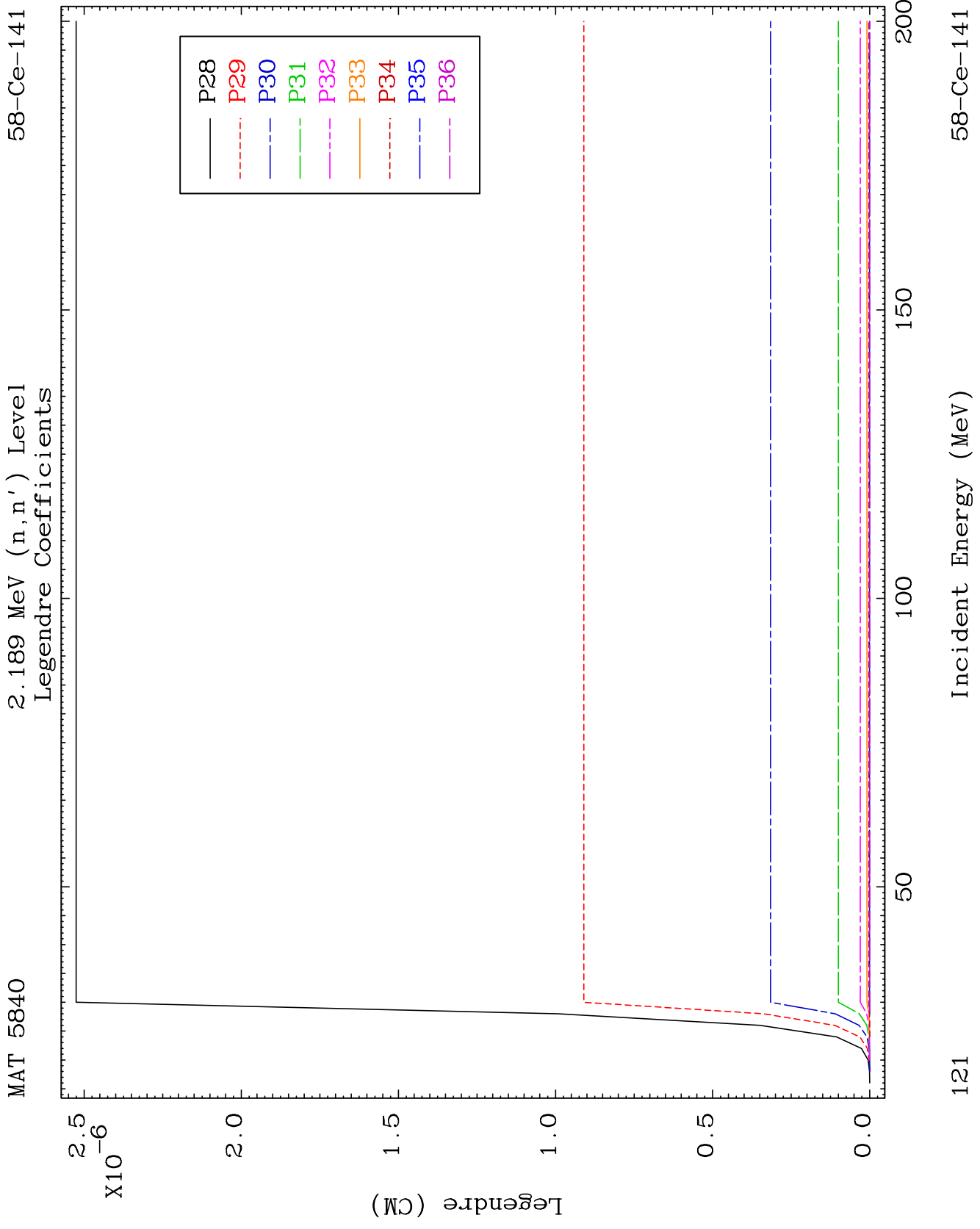
58-Ce-141

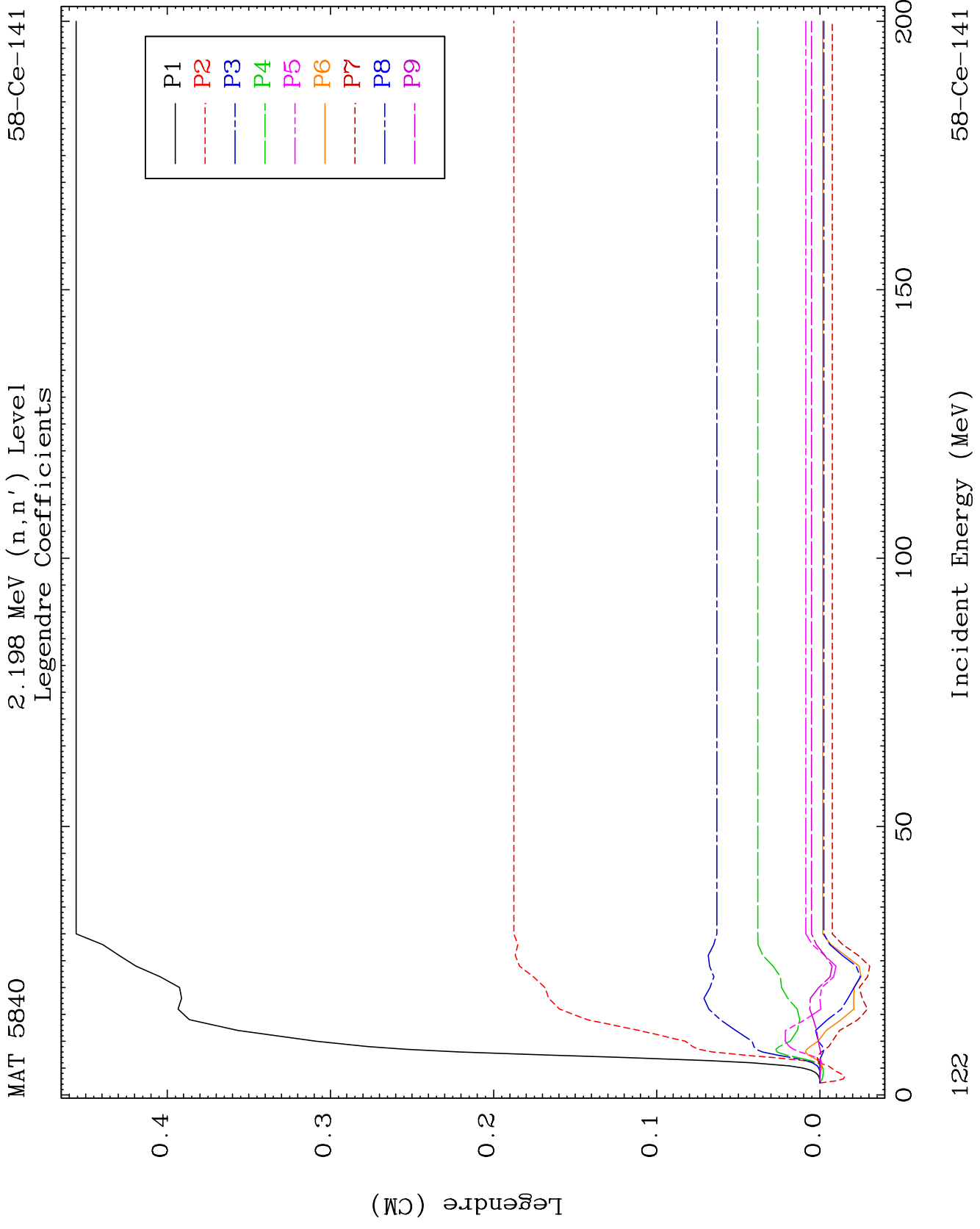
MAT 5840

2.189 MeV (n, n') Level
Legendre Coefficients

58-Ce-141



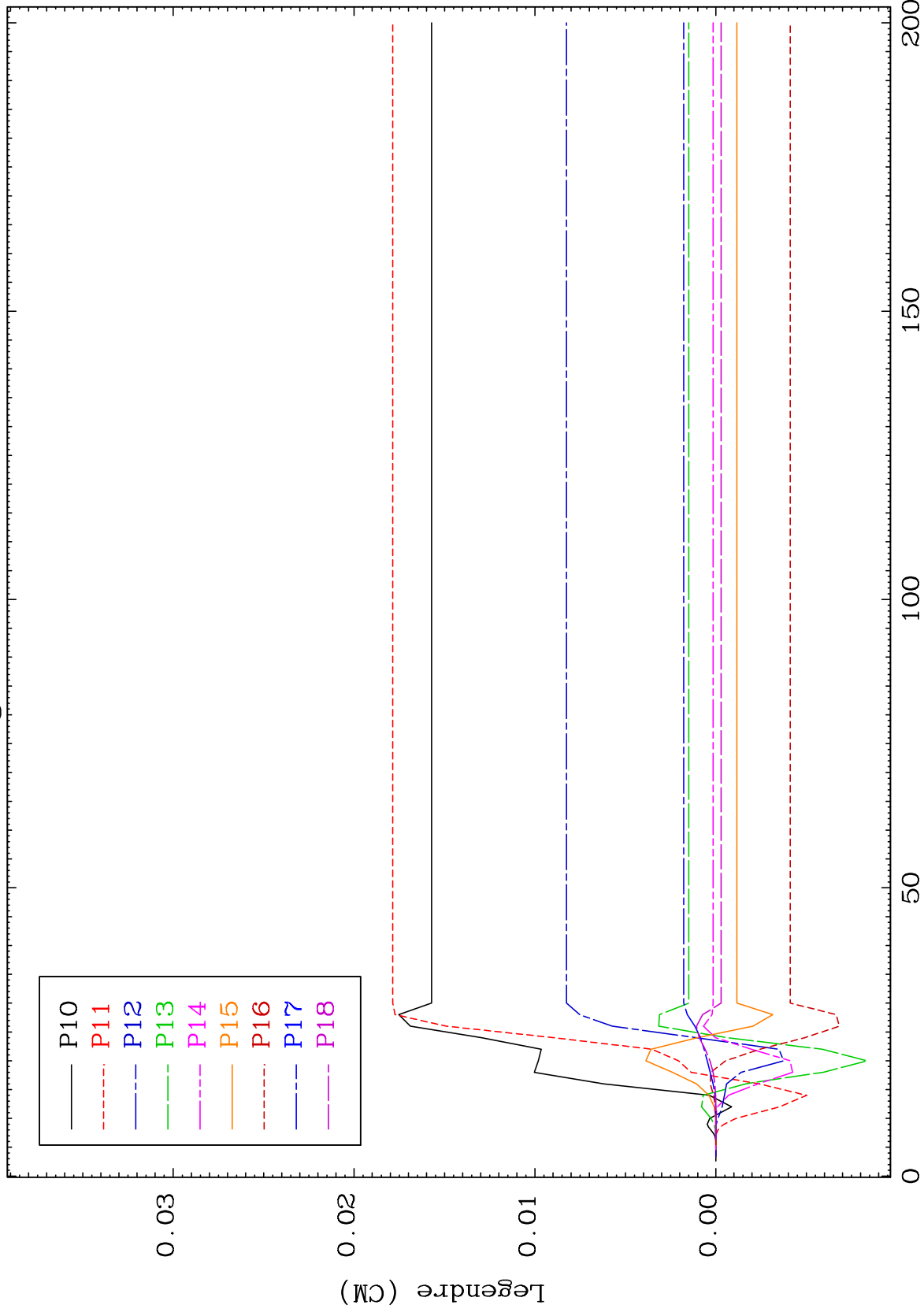




MAT 5840

2.198 MeV (n, n') Level
Legendre Coefficients

58-Ce-141



123

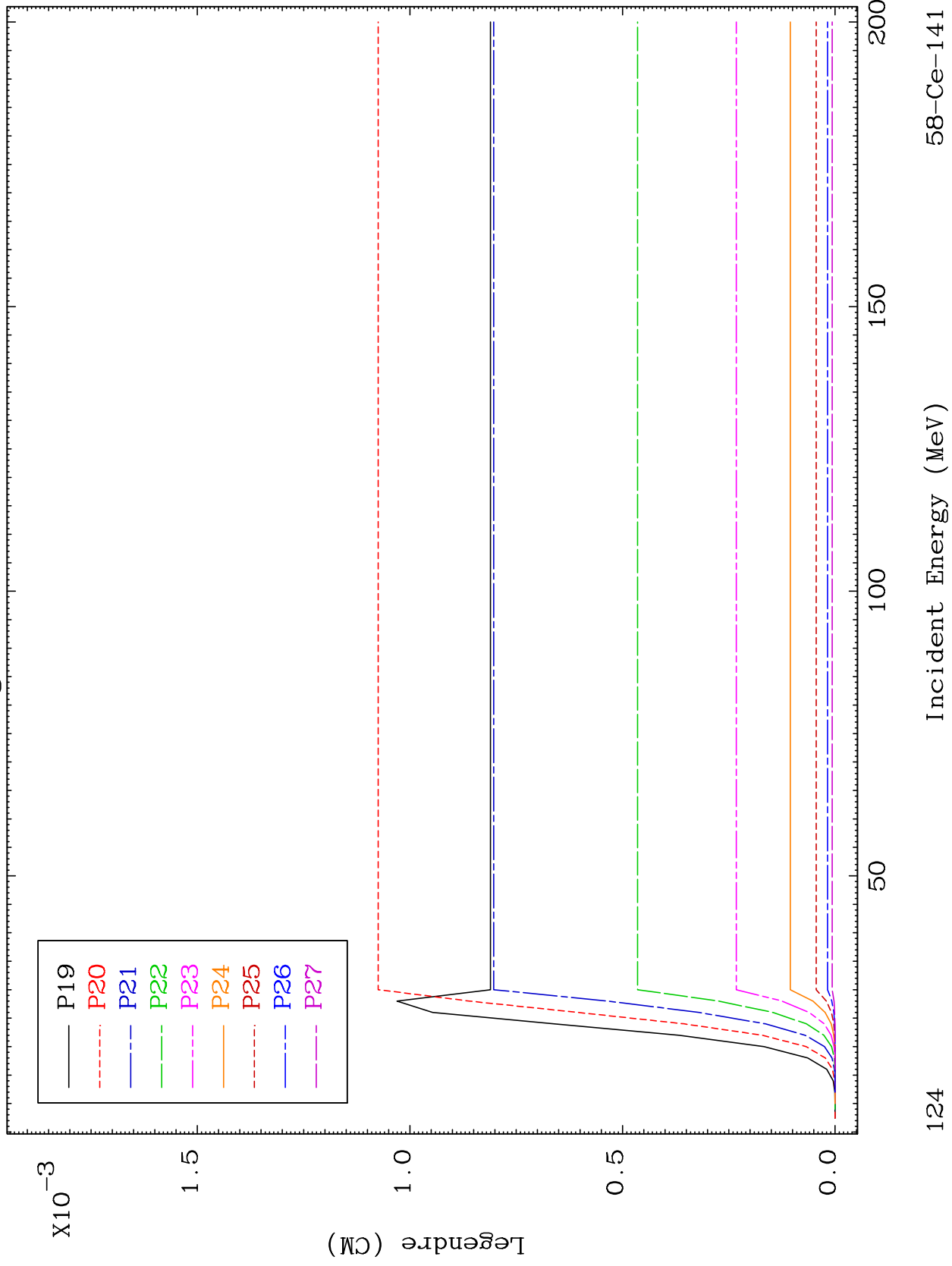
Incident Energy (MeV)

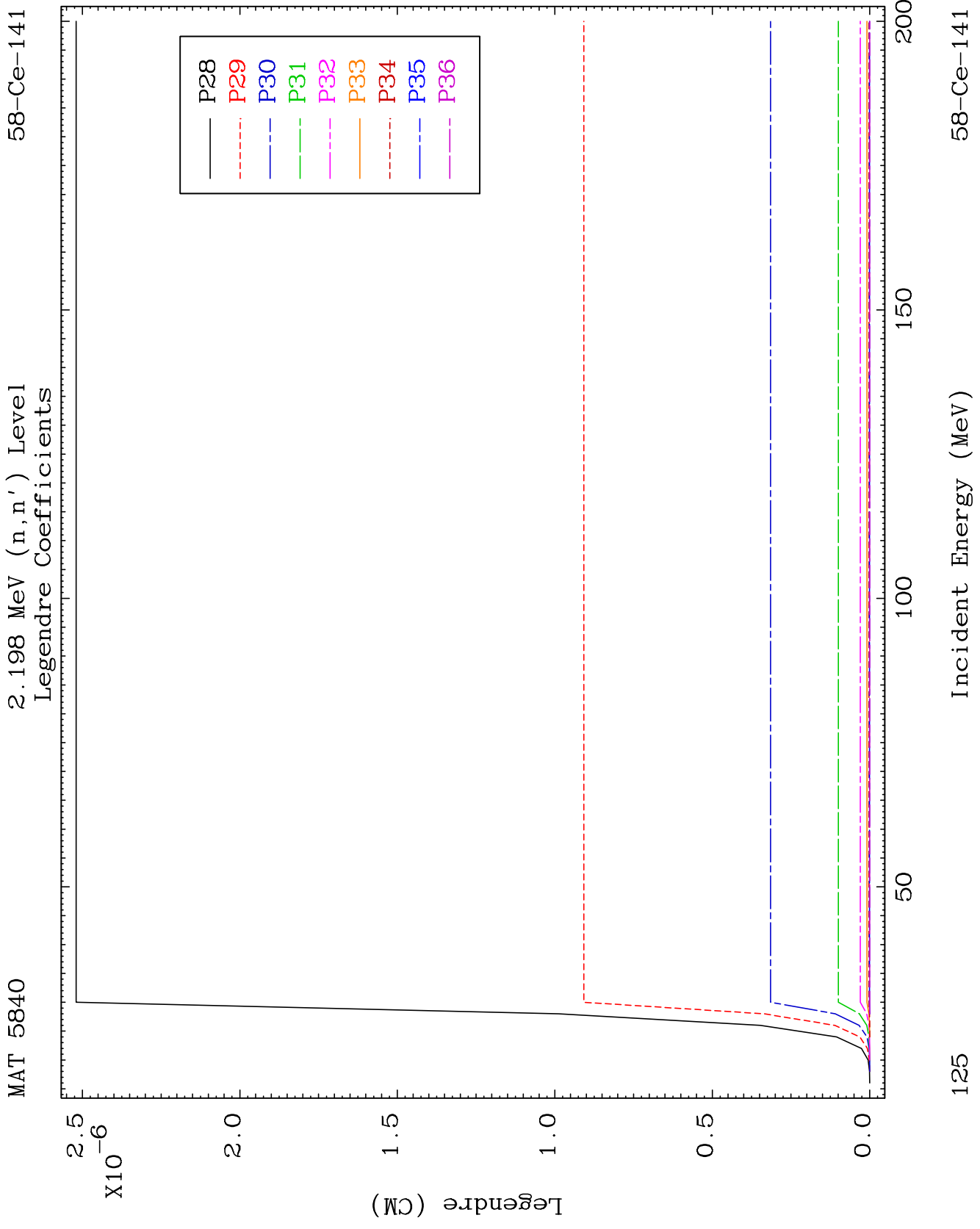
58-Ce-141

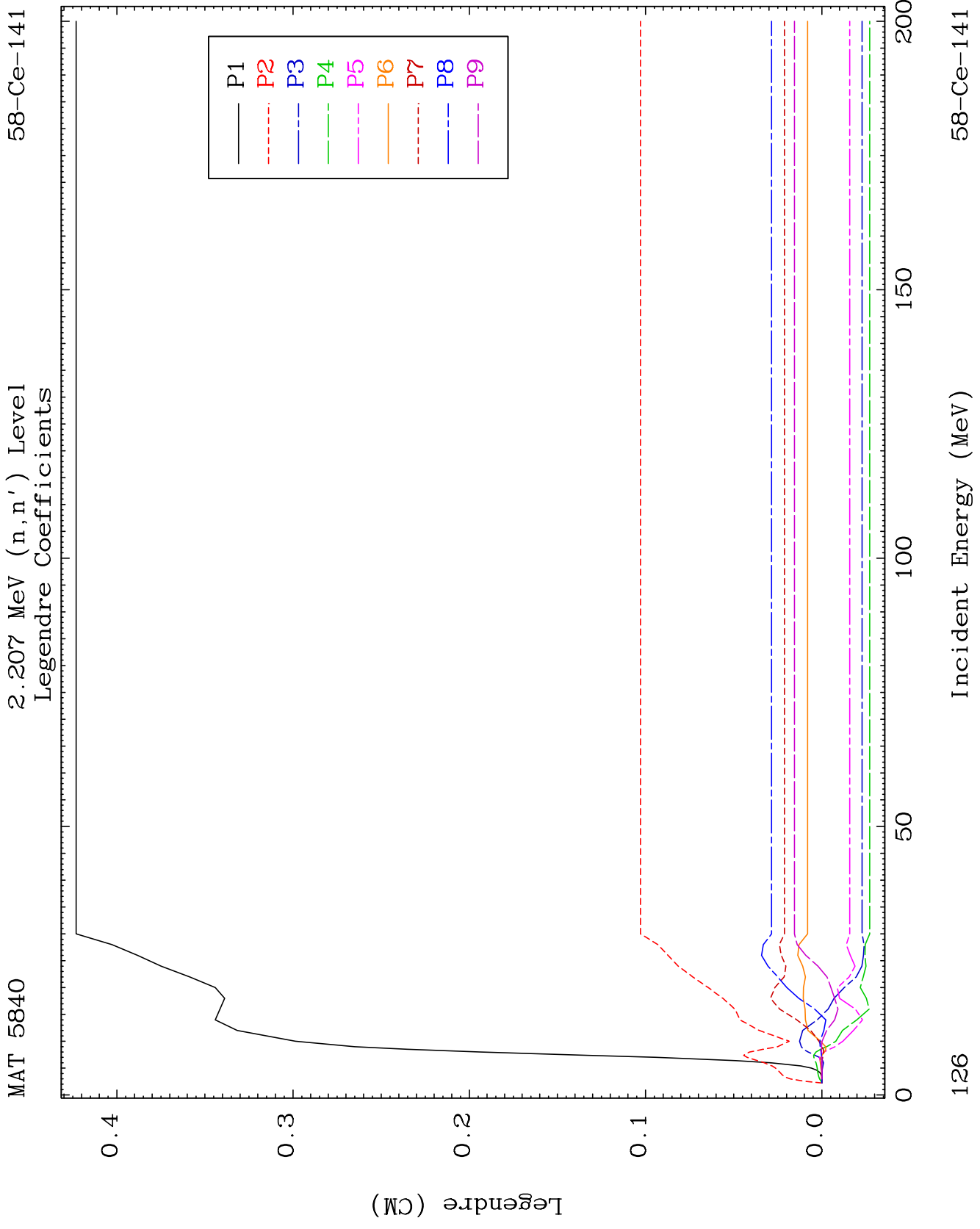
MAT 5840

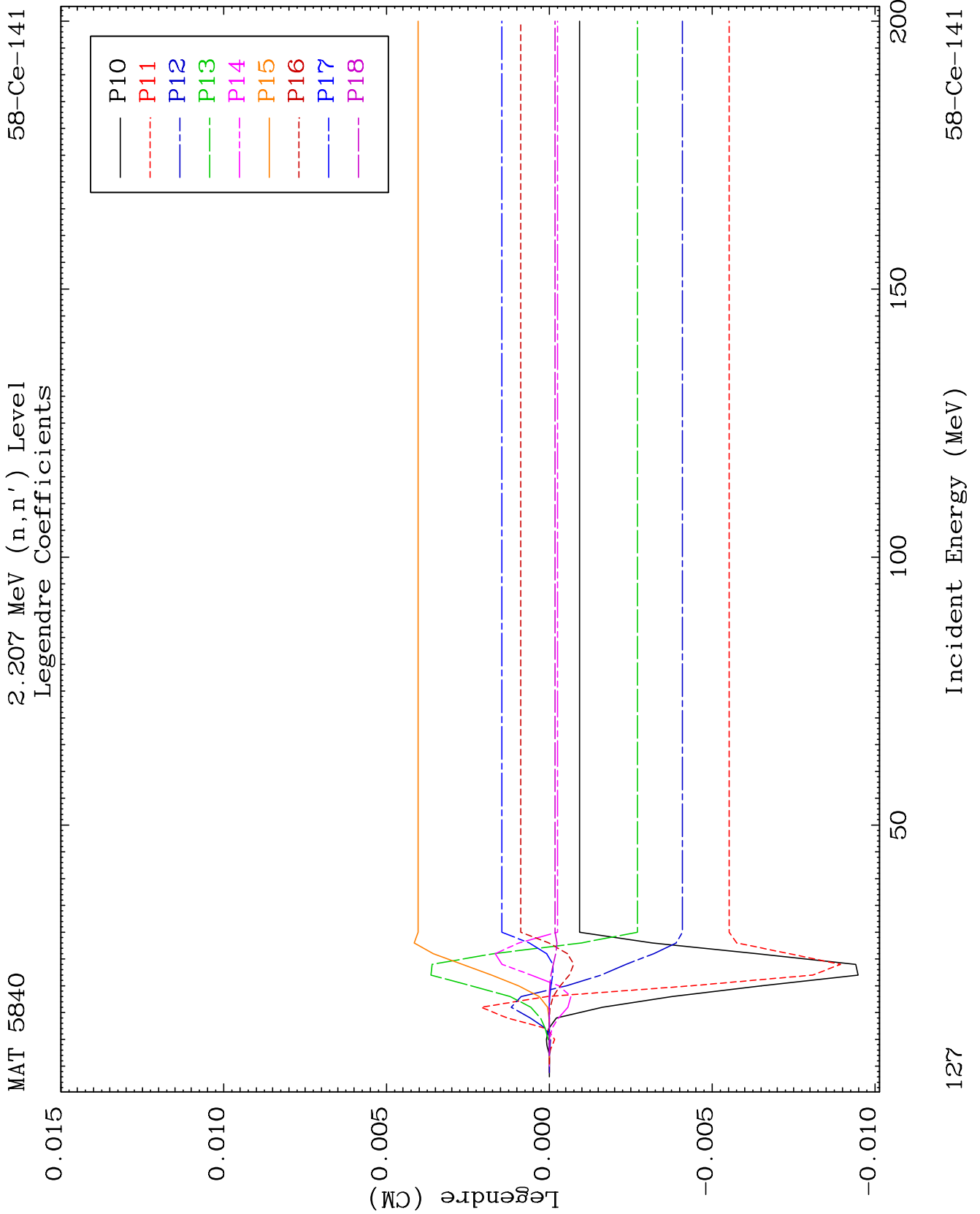
2.198 MeV (n,n') Level
Legendre Coefficients

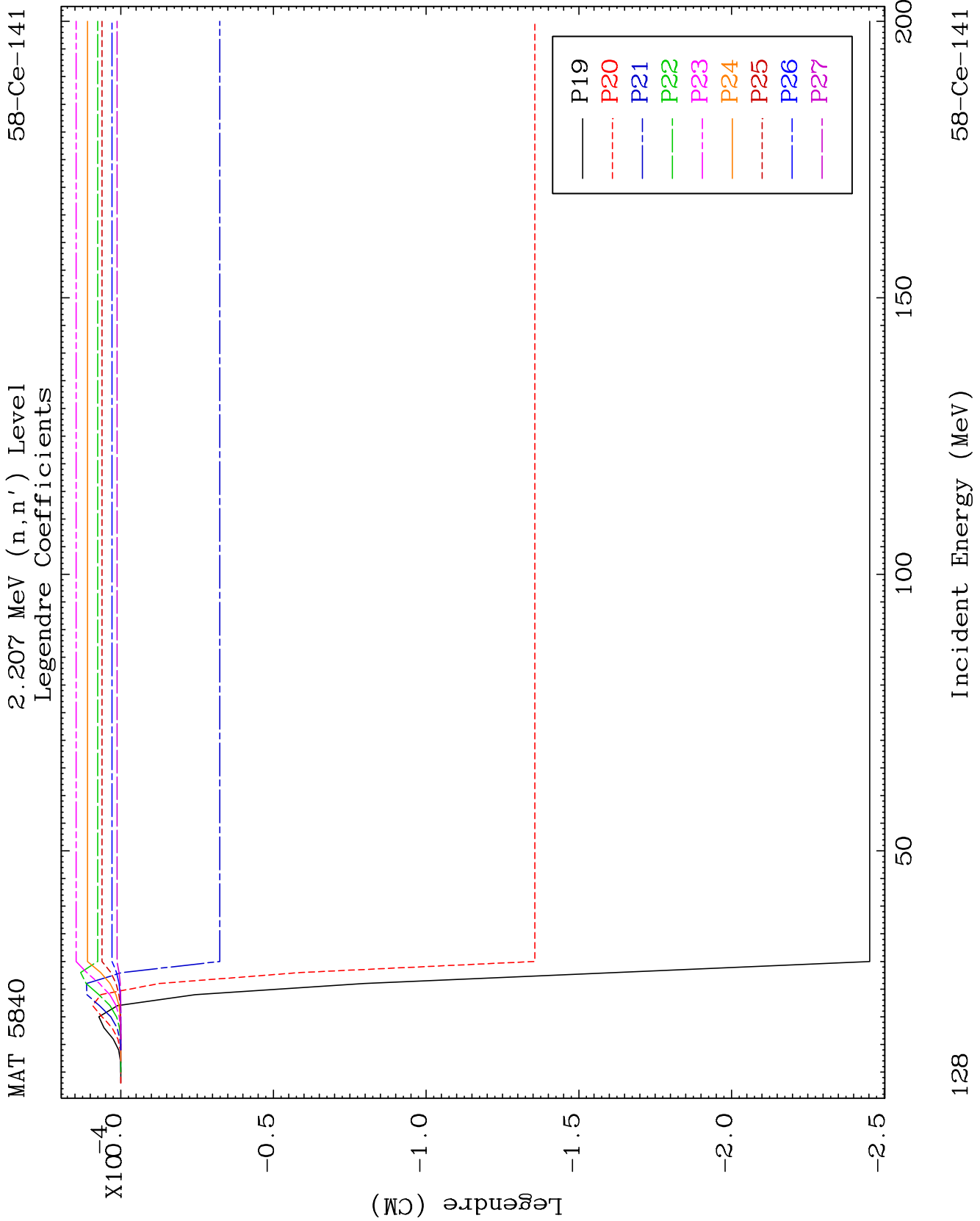
58-Ce-141

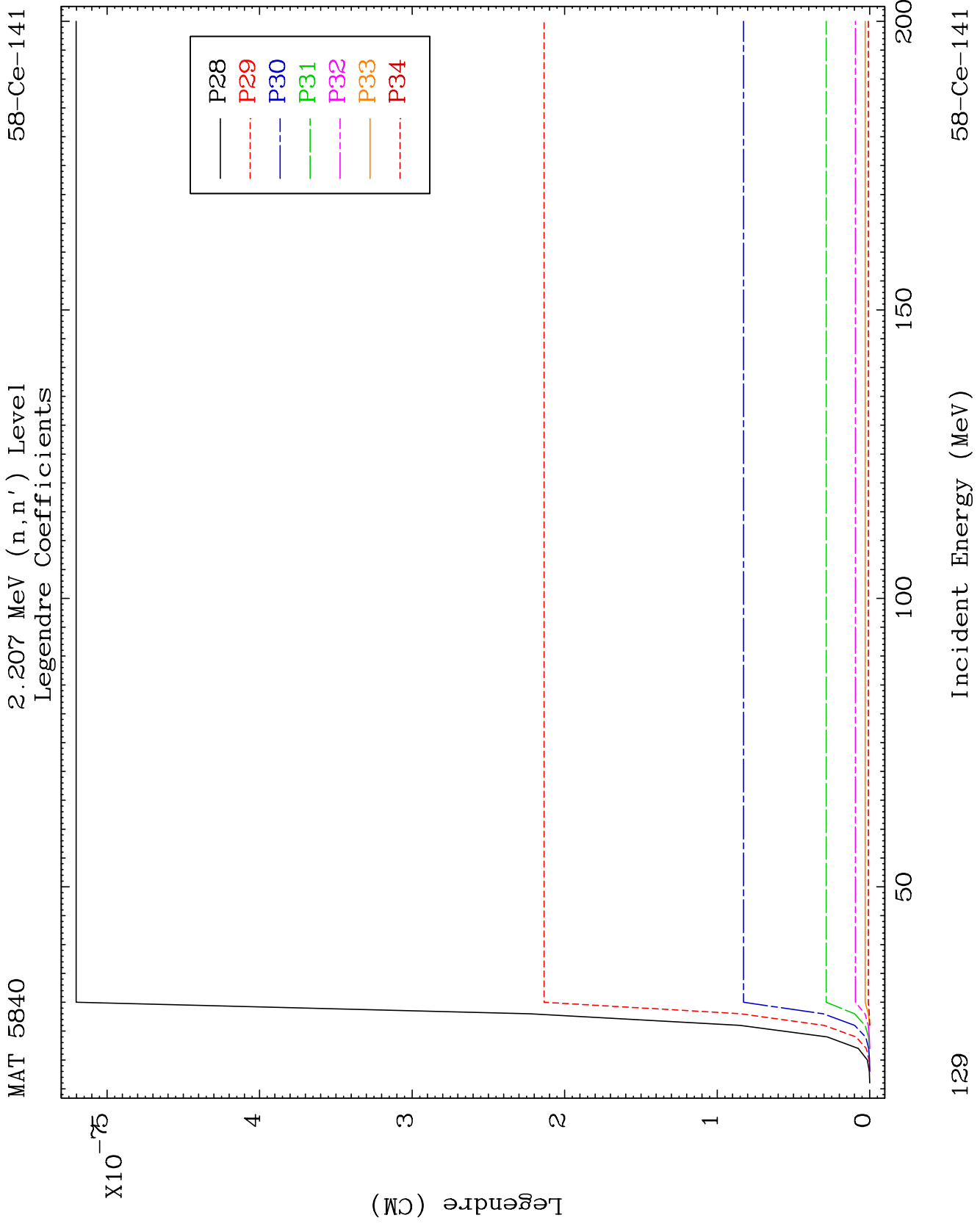


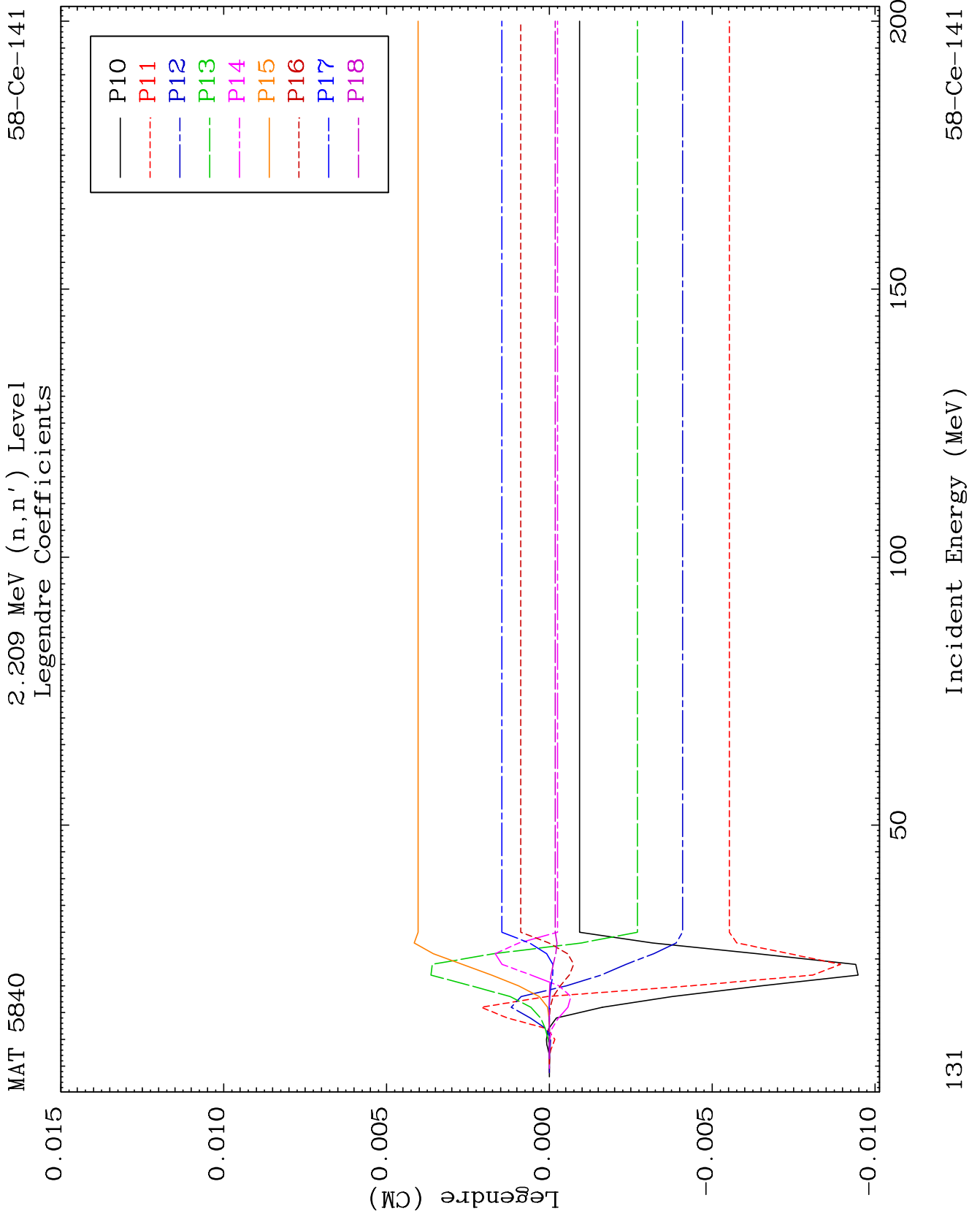


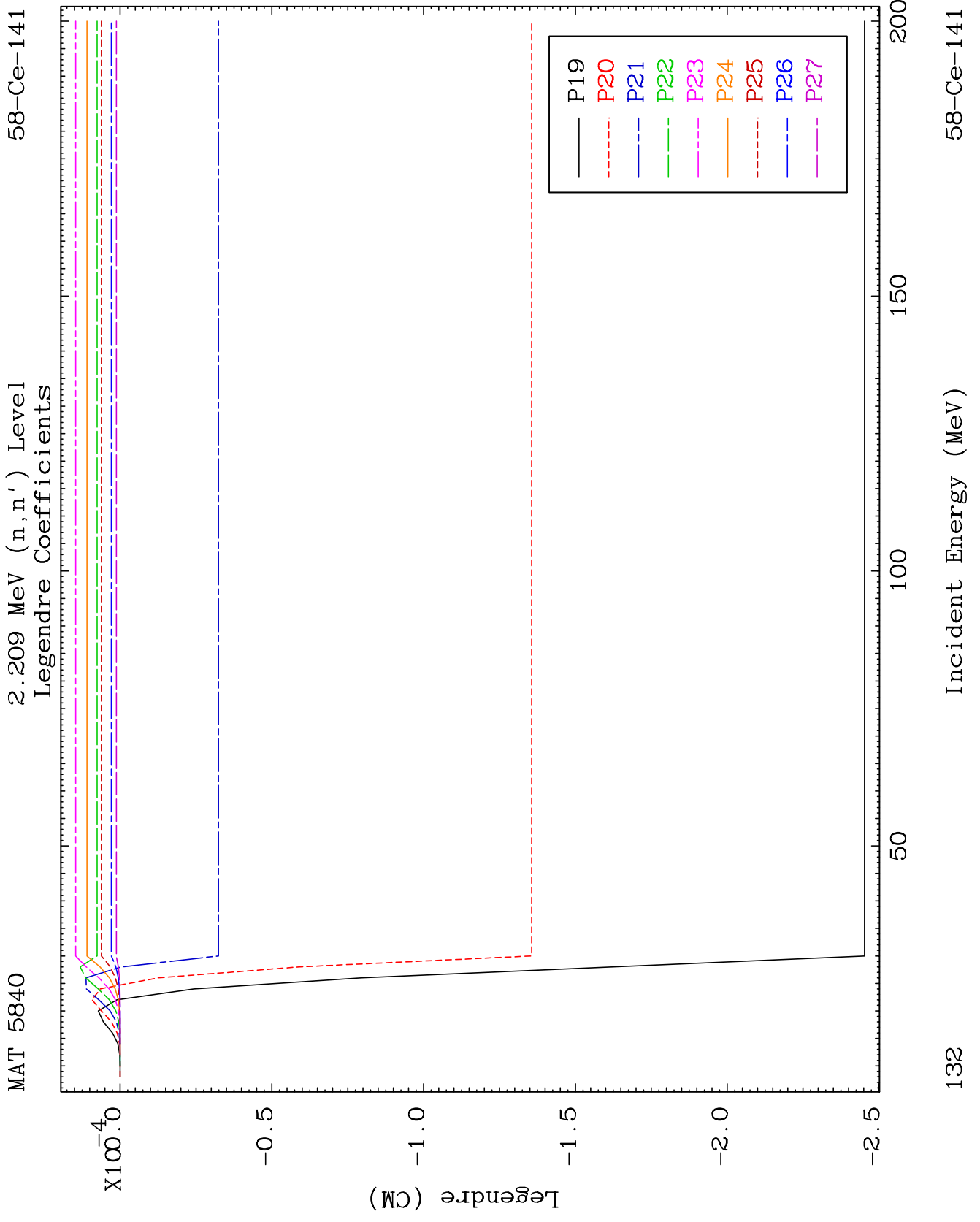


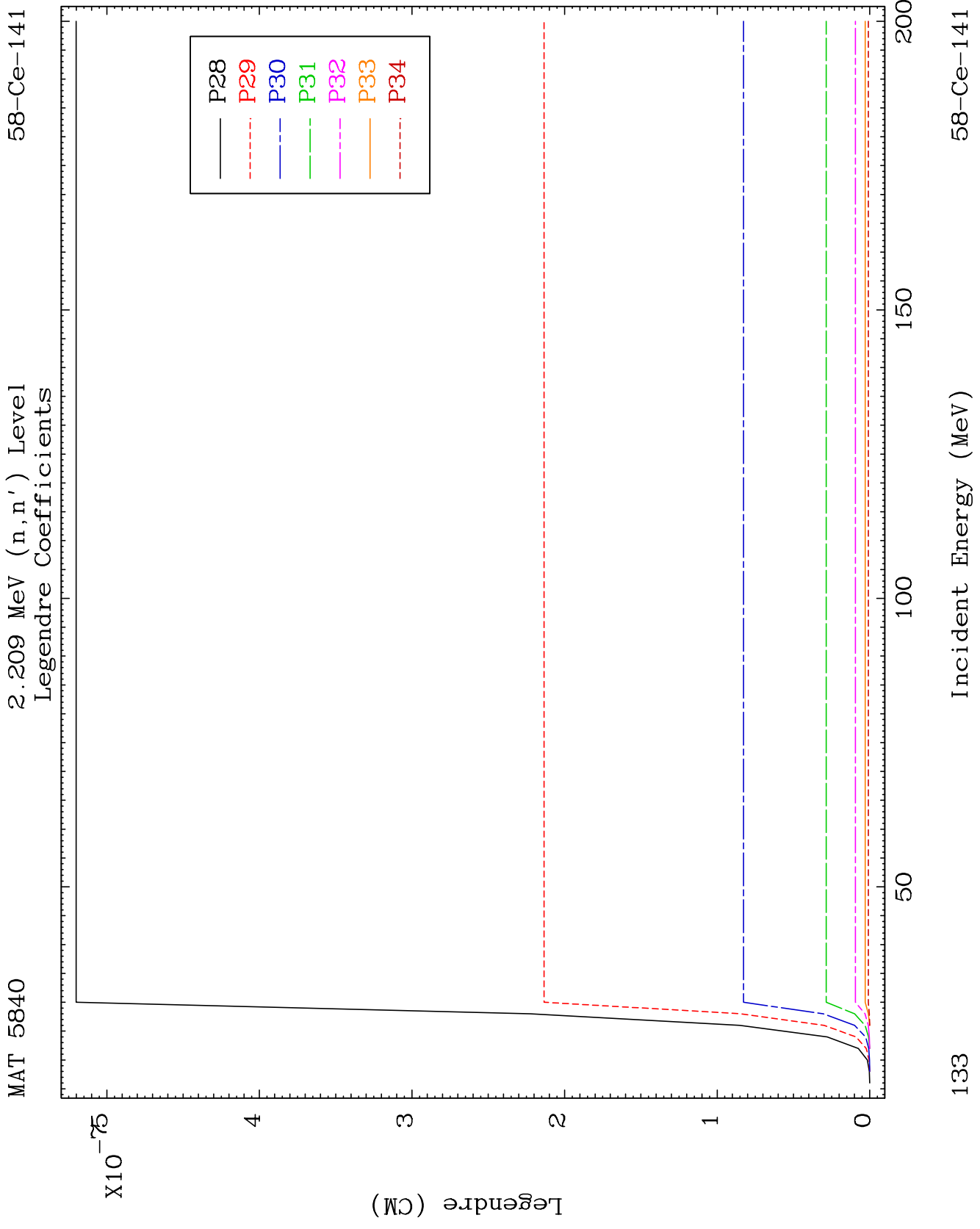


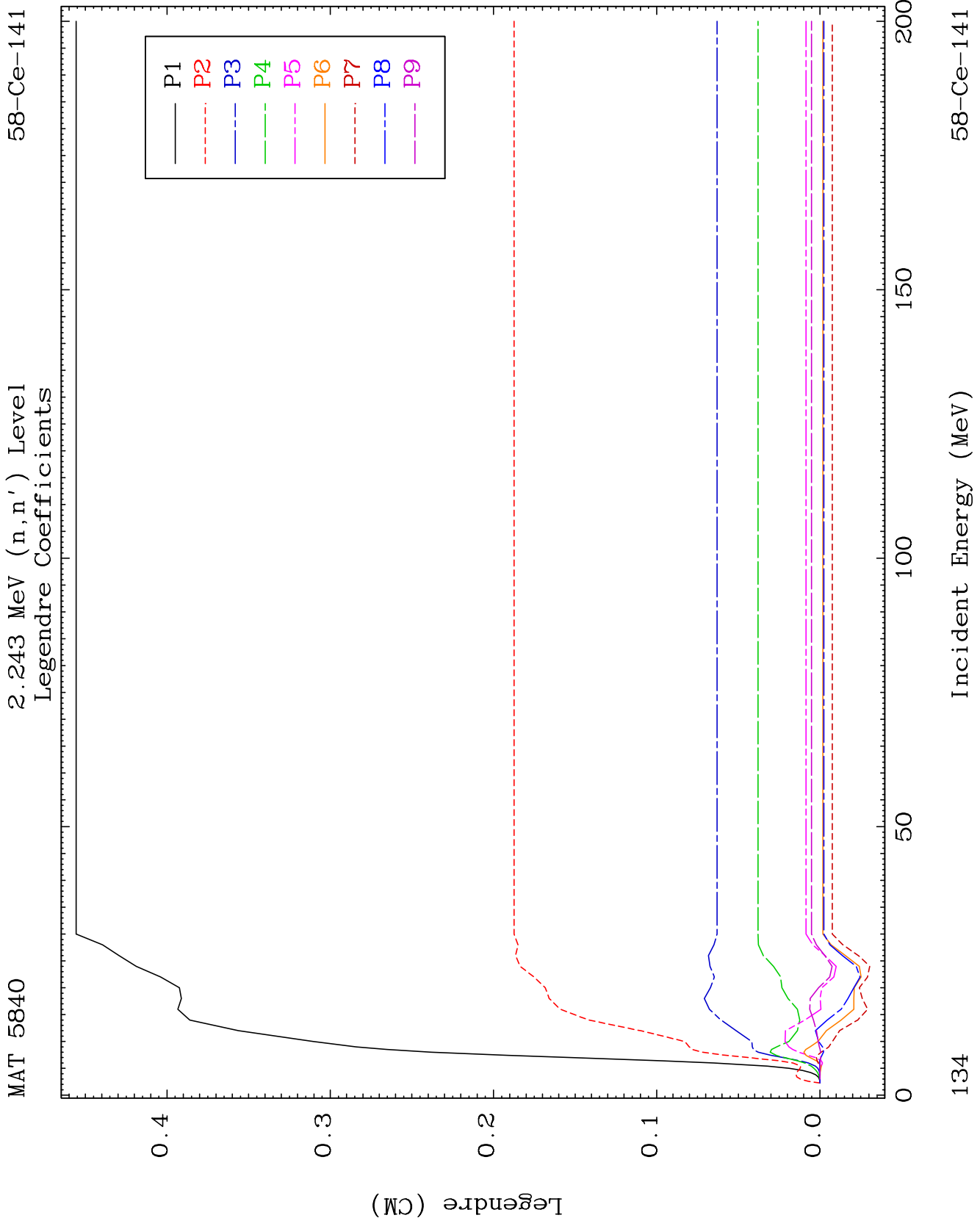








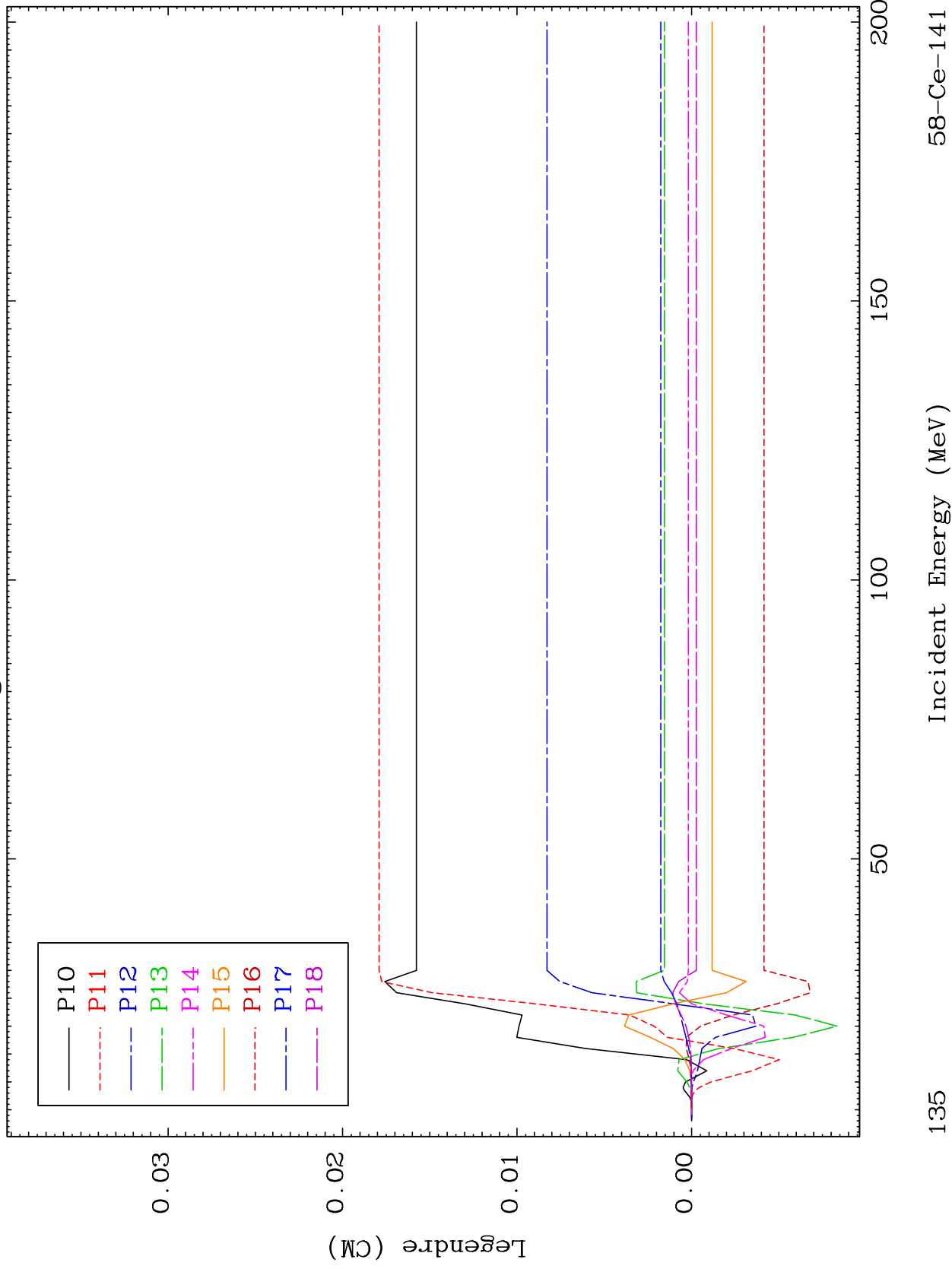




MAT 5840

2.243 MeV (n,n') Level
Legendre Coefficients

58-Ce-141



135

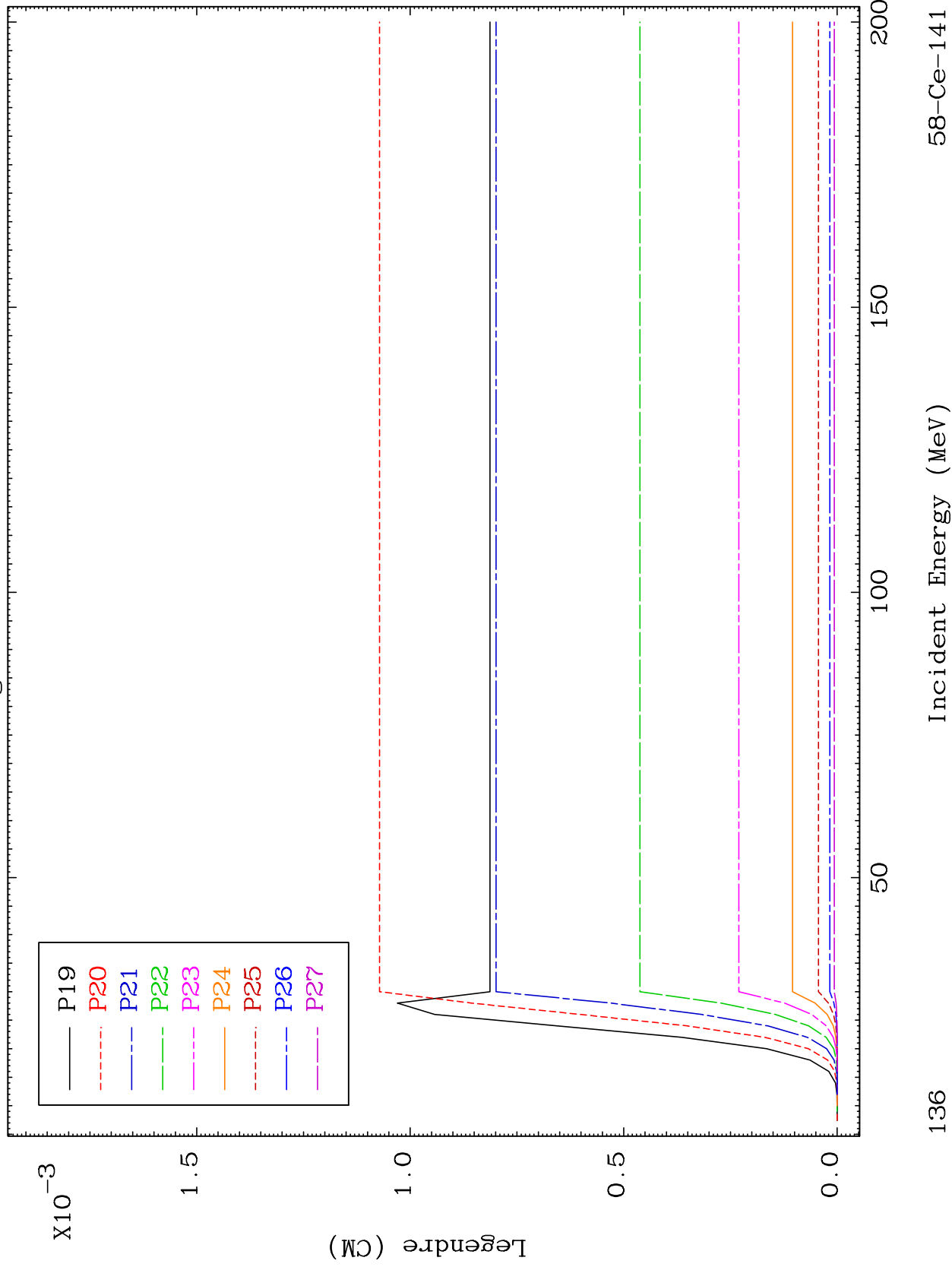
Incident Energy (MeV)

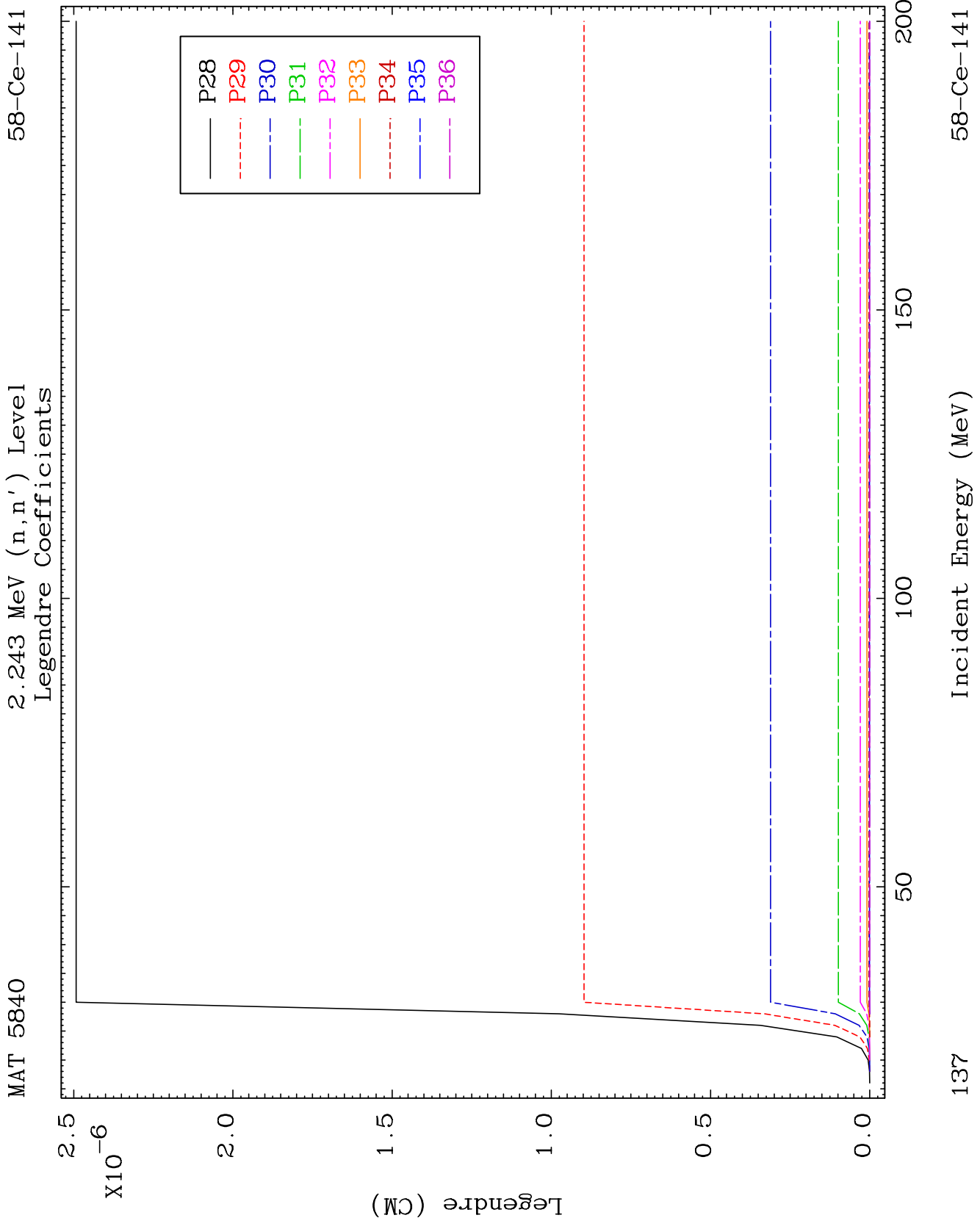
58-Ce-141

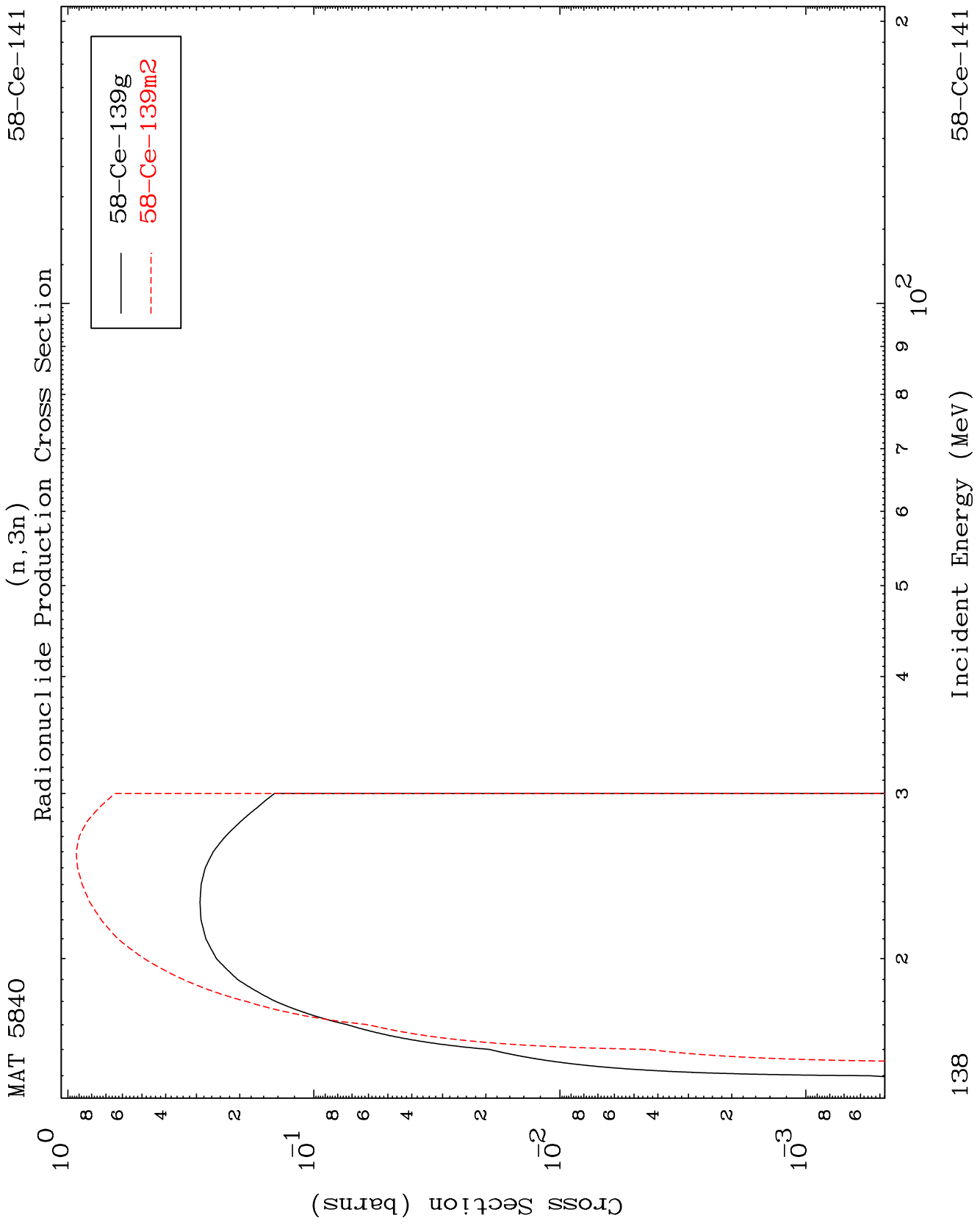
MAT 5840

2.243 MeV (n, n') Level
Legendre Coefficients

58-Ce-141





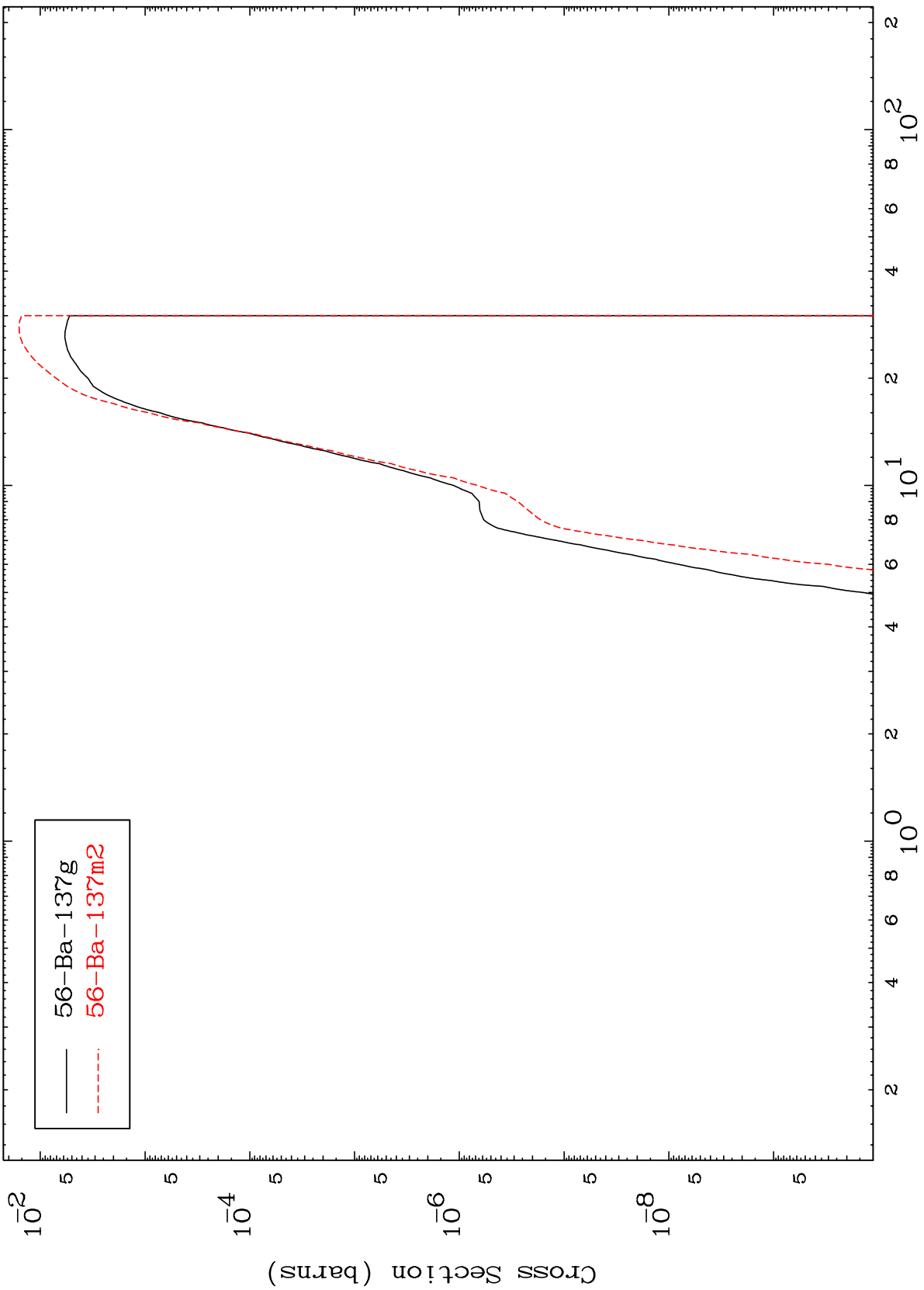


MAT 5840

(n,n') α

58-Ce-141

Radionuclide Production Cross Section



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

139

Incident Energy (MeV)

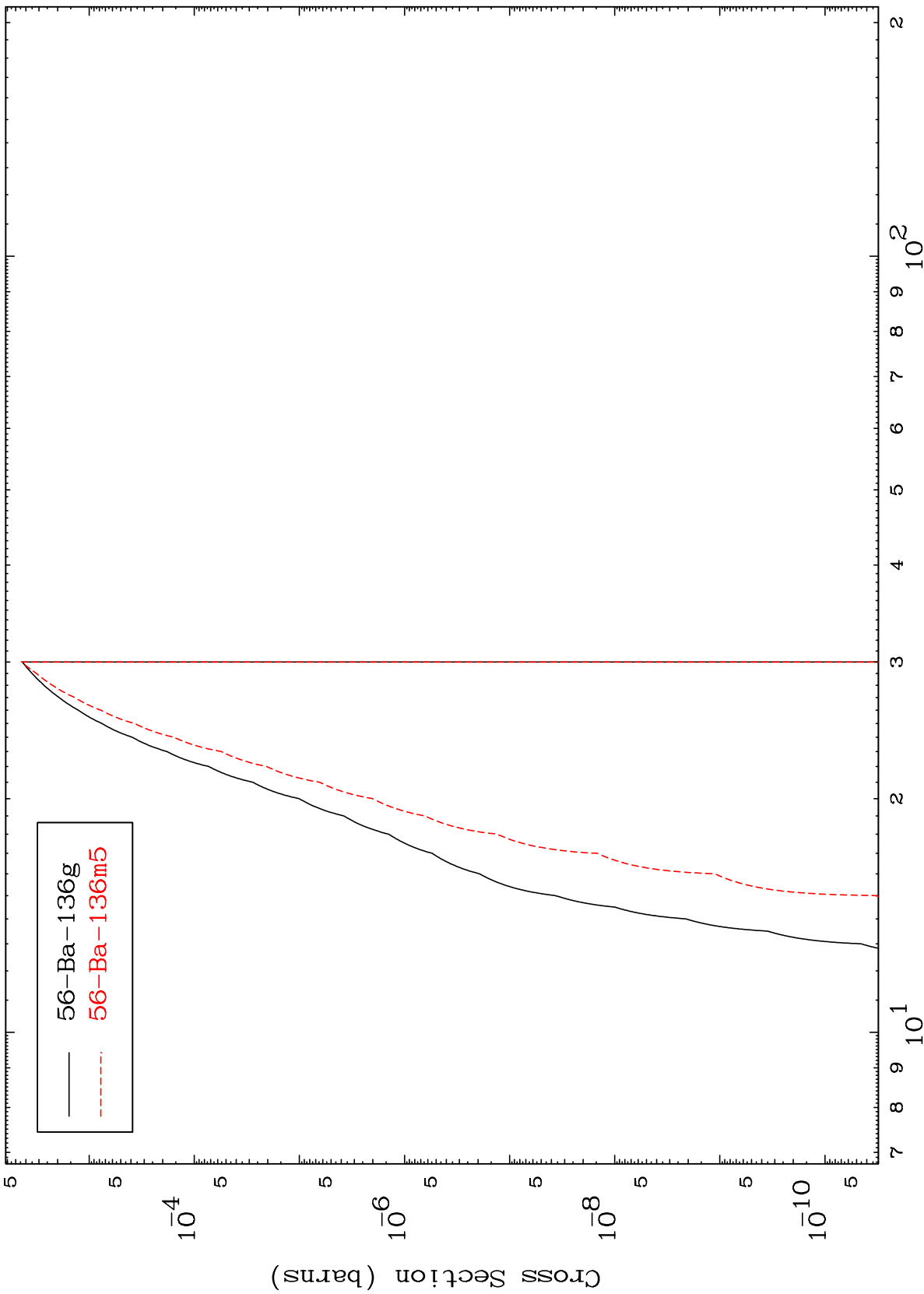
58-Ce-141

MAT 5840

(n,2n) α

58-Ce-141

Radionuclide Production Cross Section



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

140

Incident Energy (MeV)

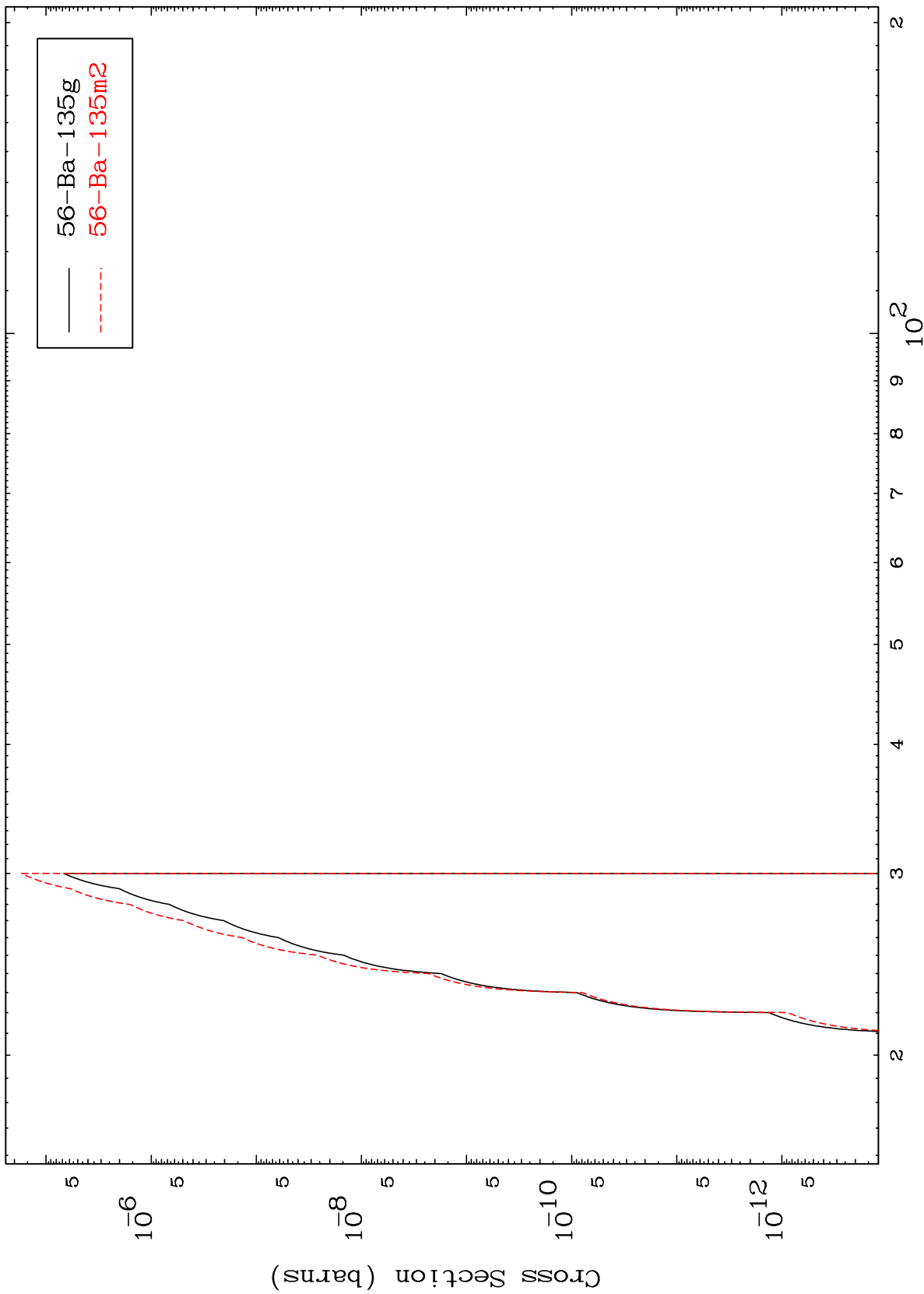
58-Ce-141

MAT 5840

$(n,3n) \alpha$

58-Ce-141

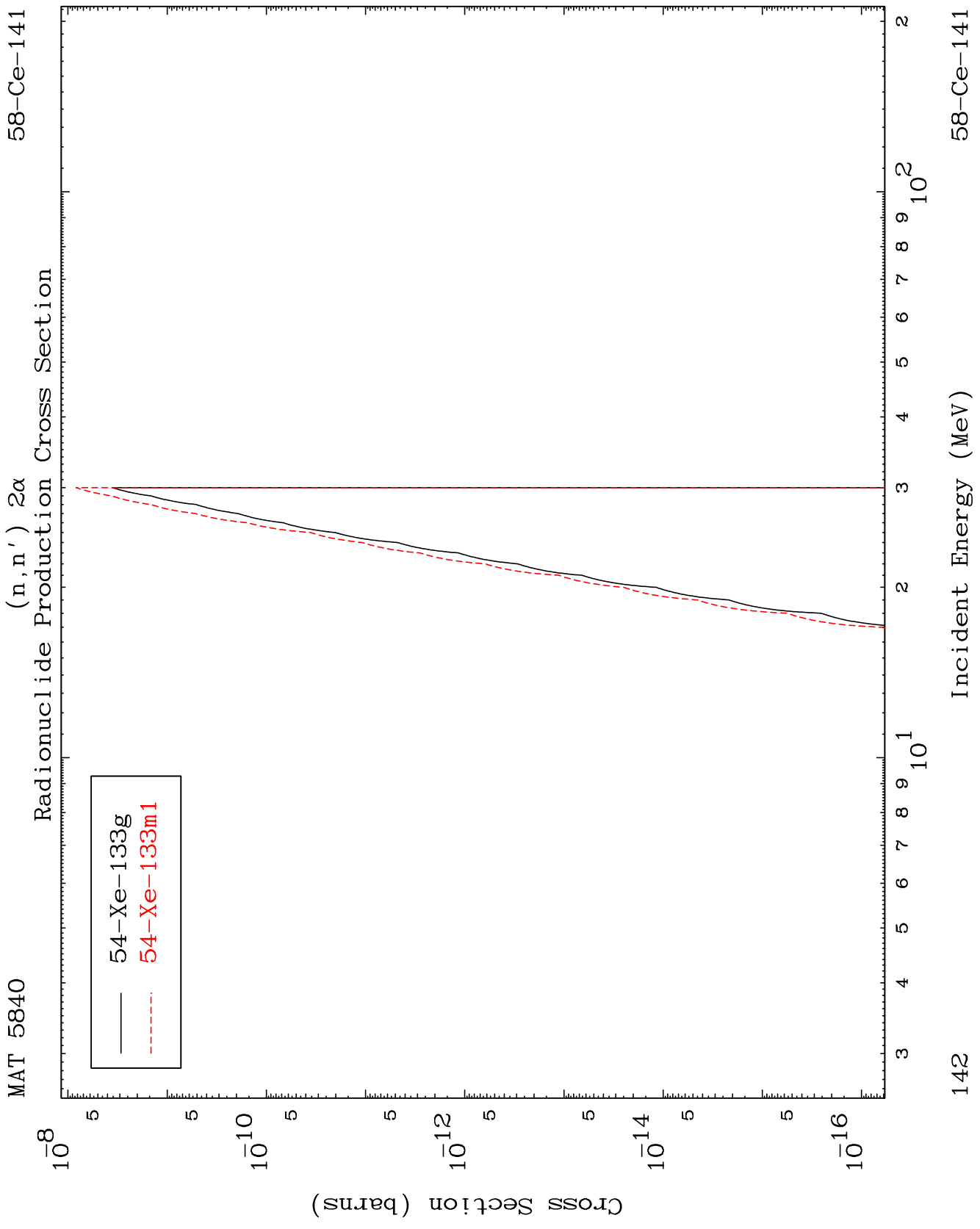
Radionuclide Production Cross Section



141

Incident Energy (MeV)

58-Ce-141

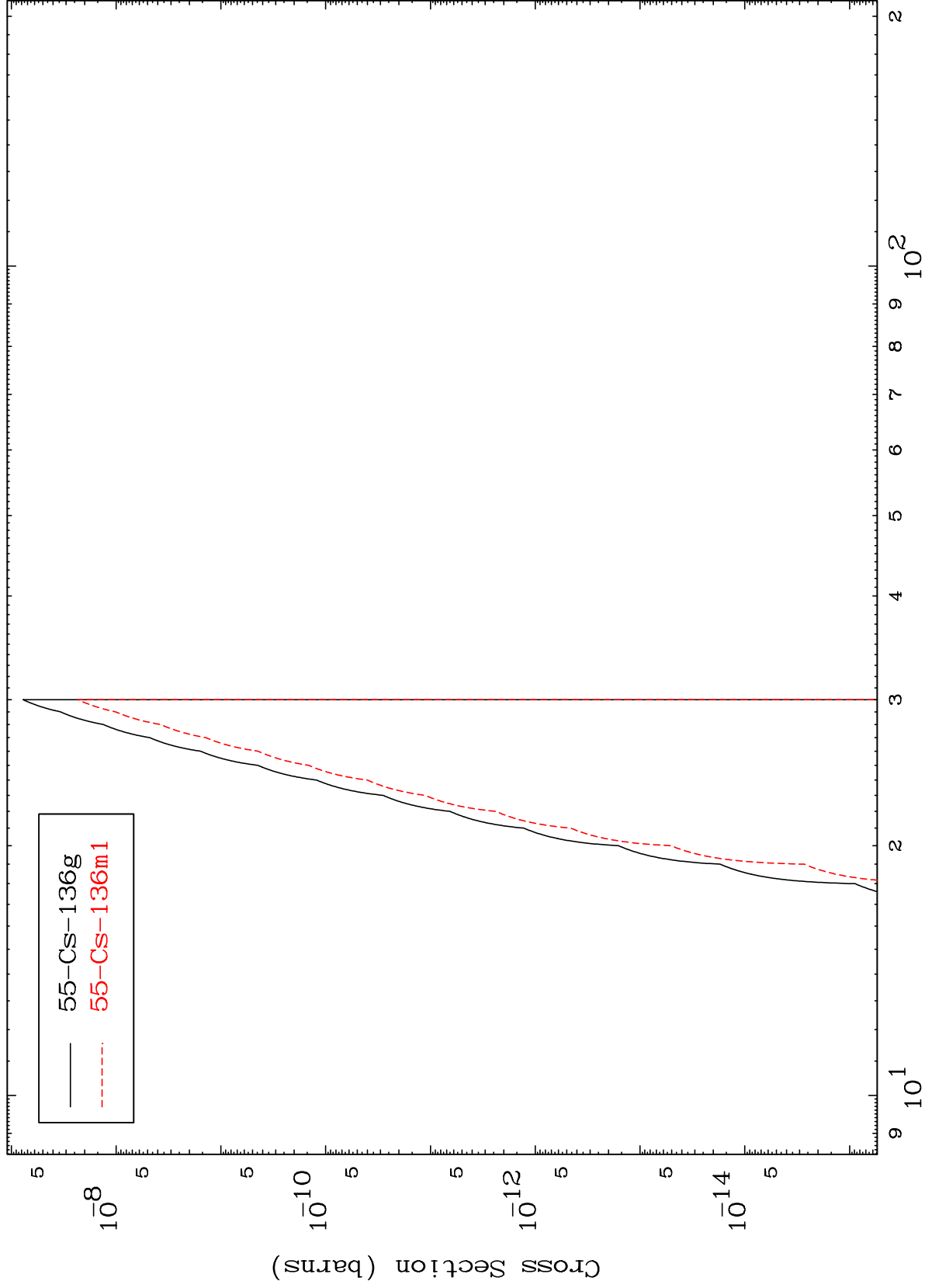


MAT 5840

(n,n') p α

58-Ce-141

Radionuclide Production Cross Section



143

Incident Energy (MeV)

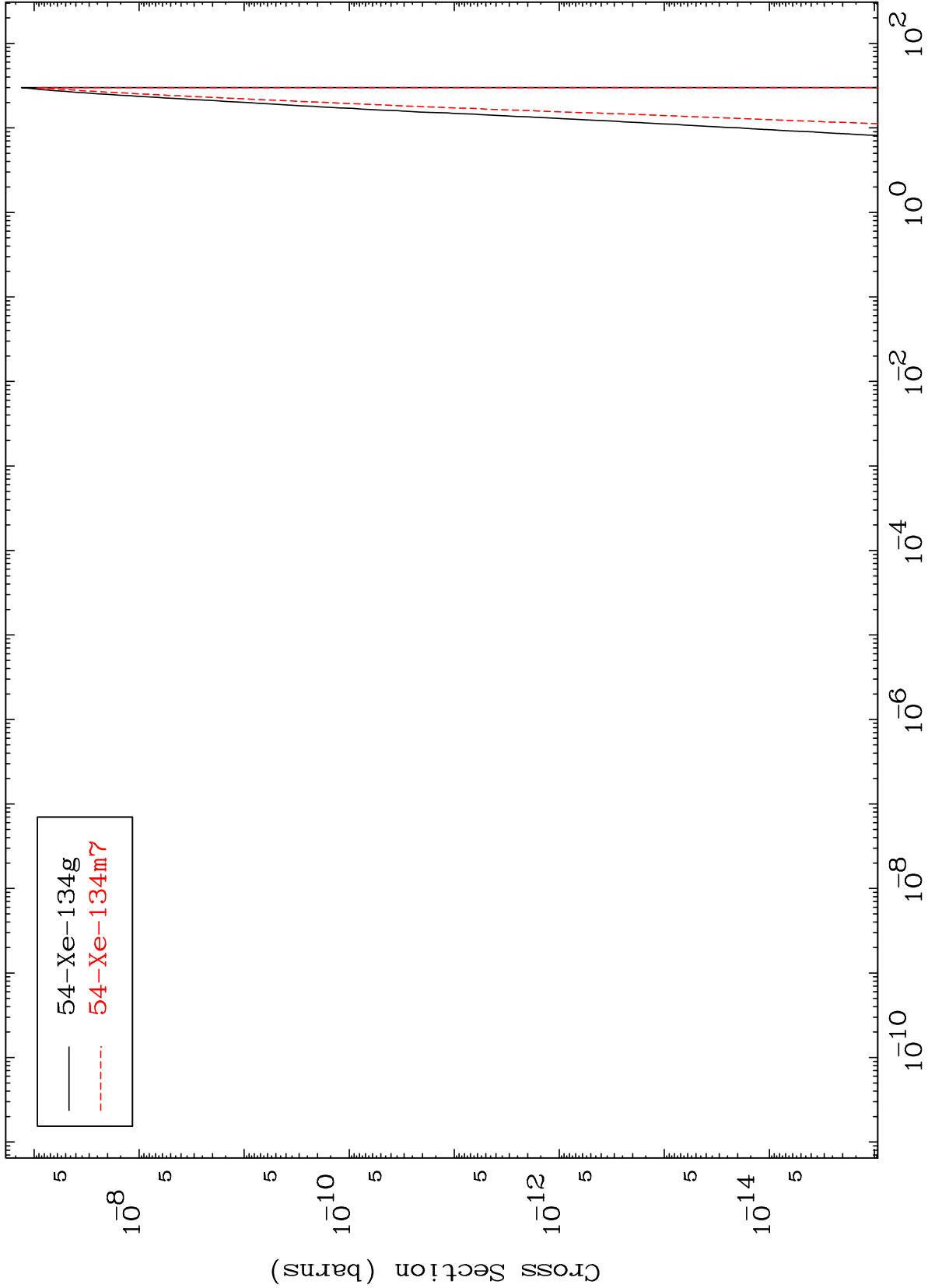
58-Ce-141

MAT 5840

(n,2α)

58-Ce-141

Radionuclide Production Cross Section



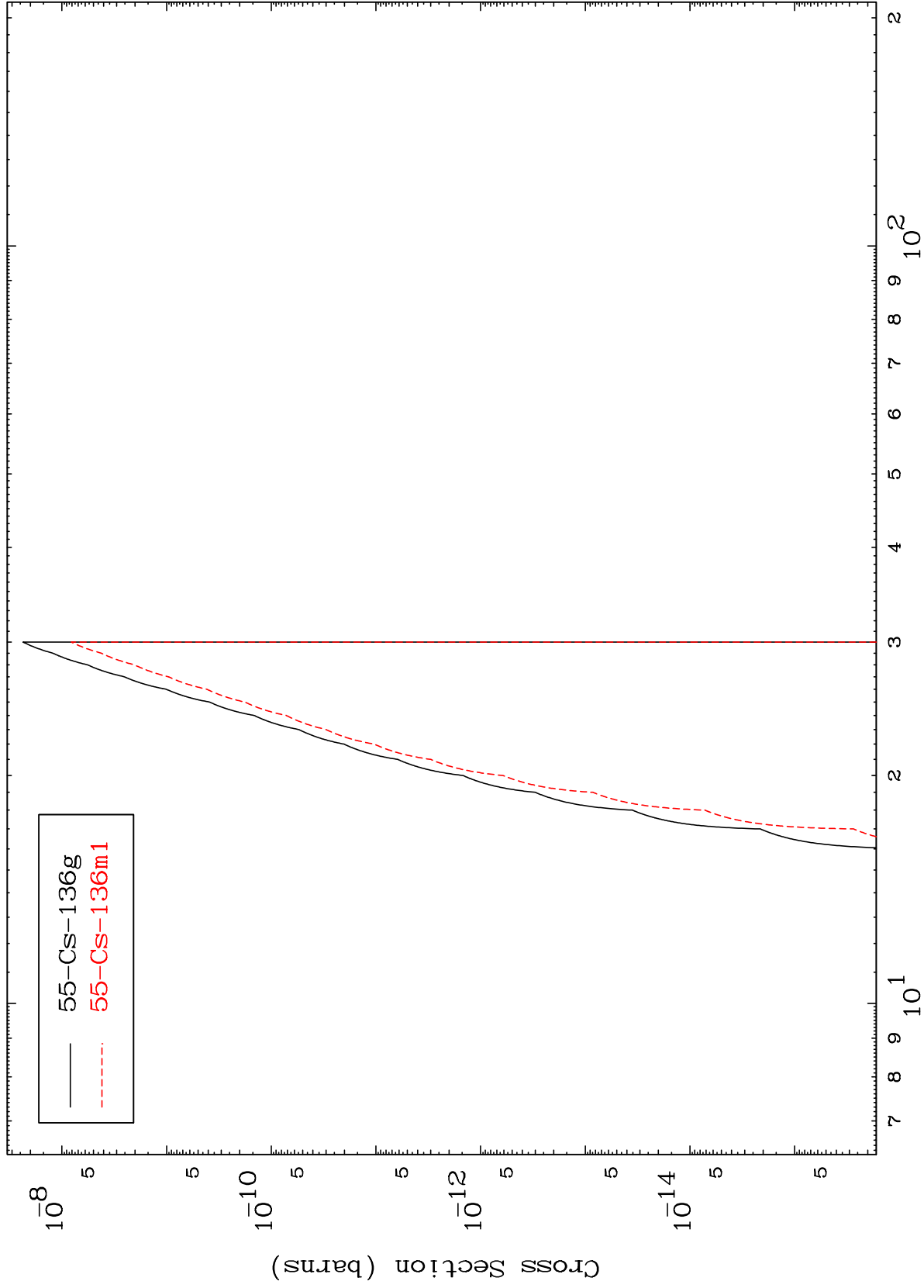
54-Xe-134g
54-Xe-134m7

MAT 5840

(n,d) α

58-Ce-141

Radionuclide Production Cross Section



145

58-Ce-141