

Program EVALPLOT
(Version 2015-2)

by

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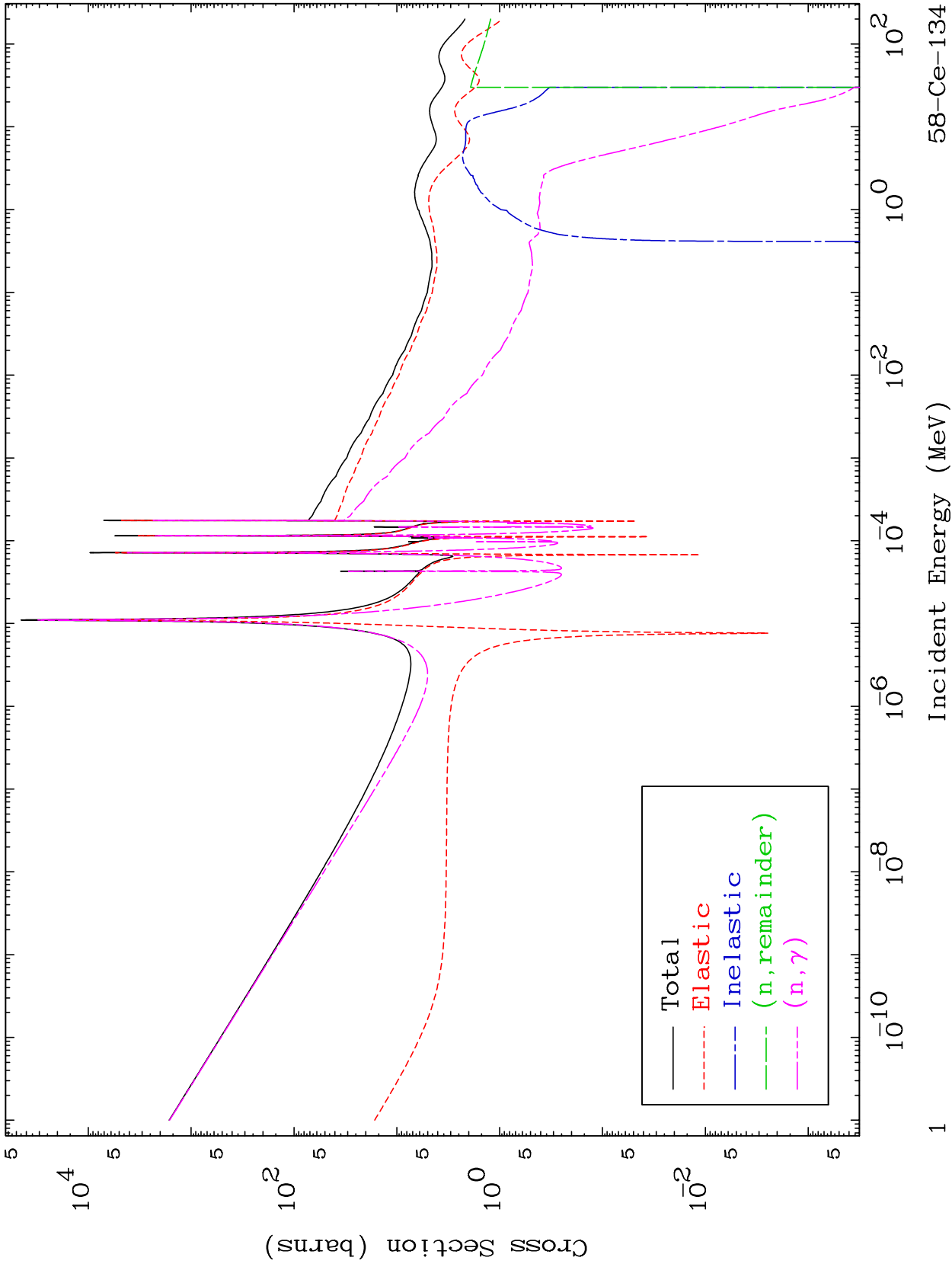
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5819

Major
293 Kelvin Cross Sections

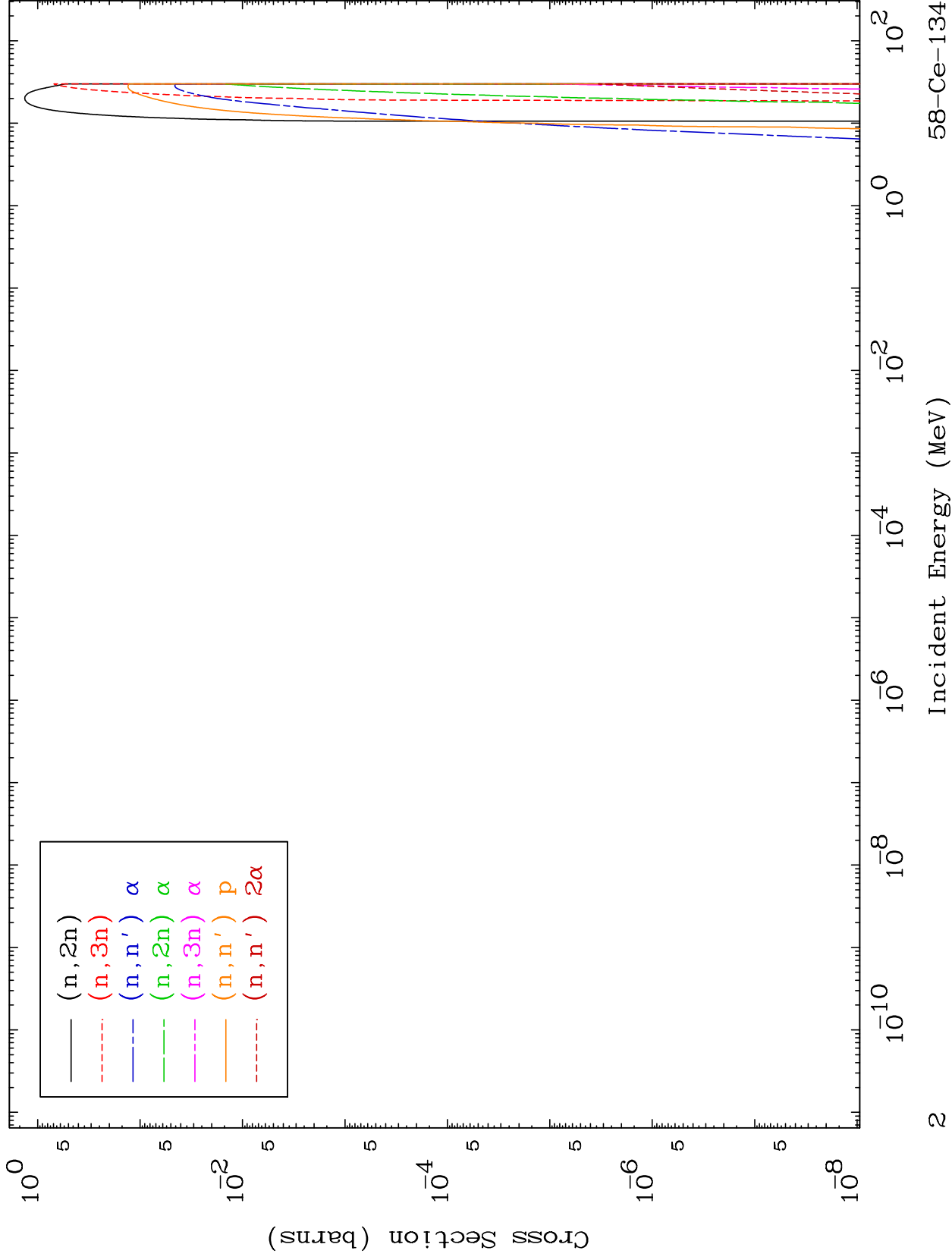
58-Ce-134

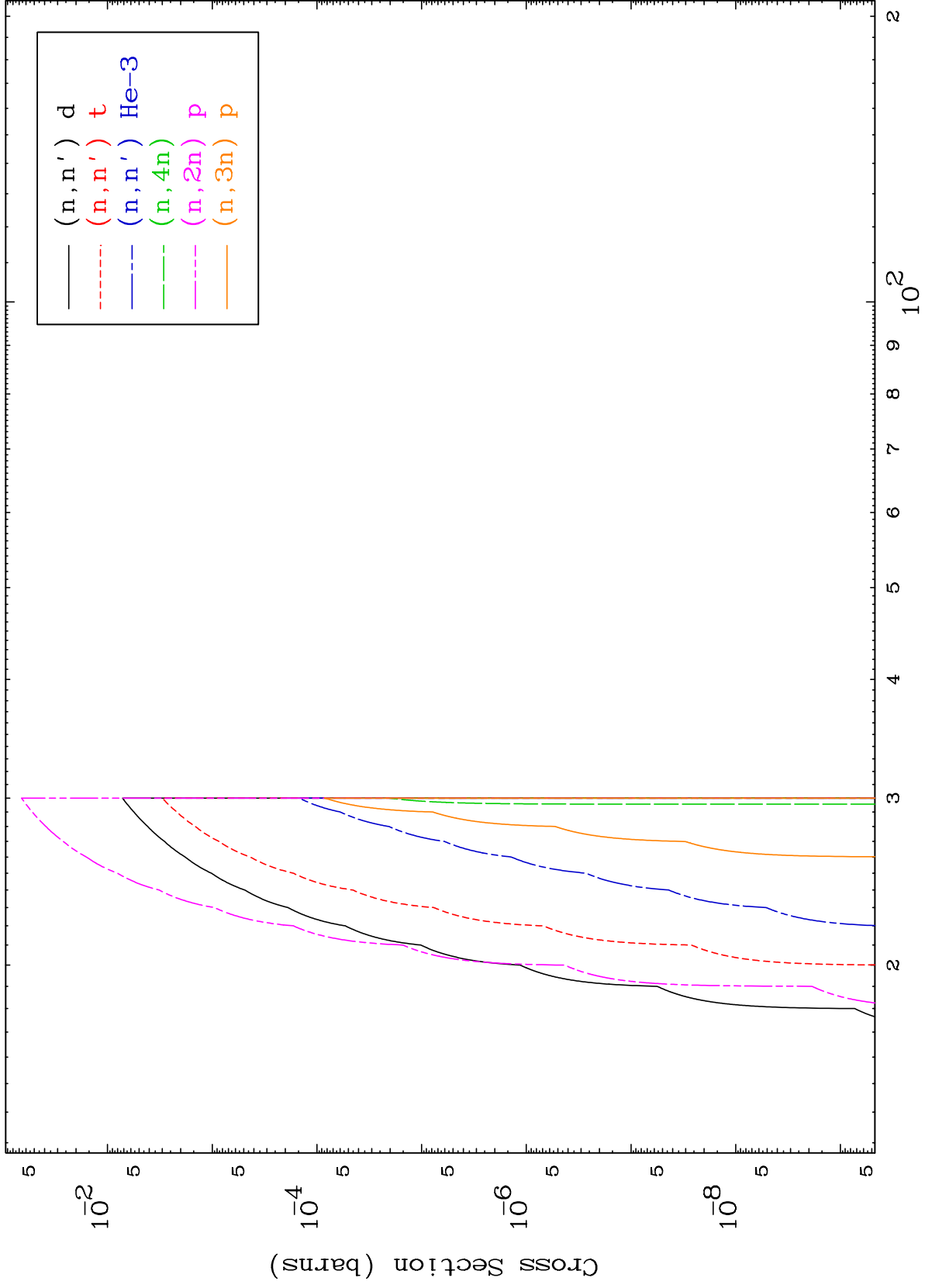


MAT 5819

Neutron Production
293 Kelvin Cross Sections

58-Ce-134

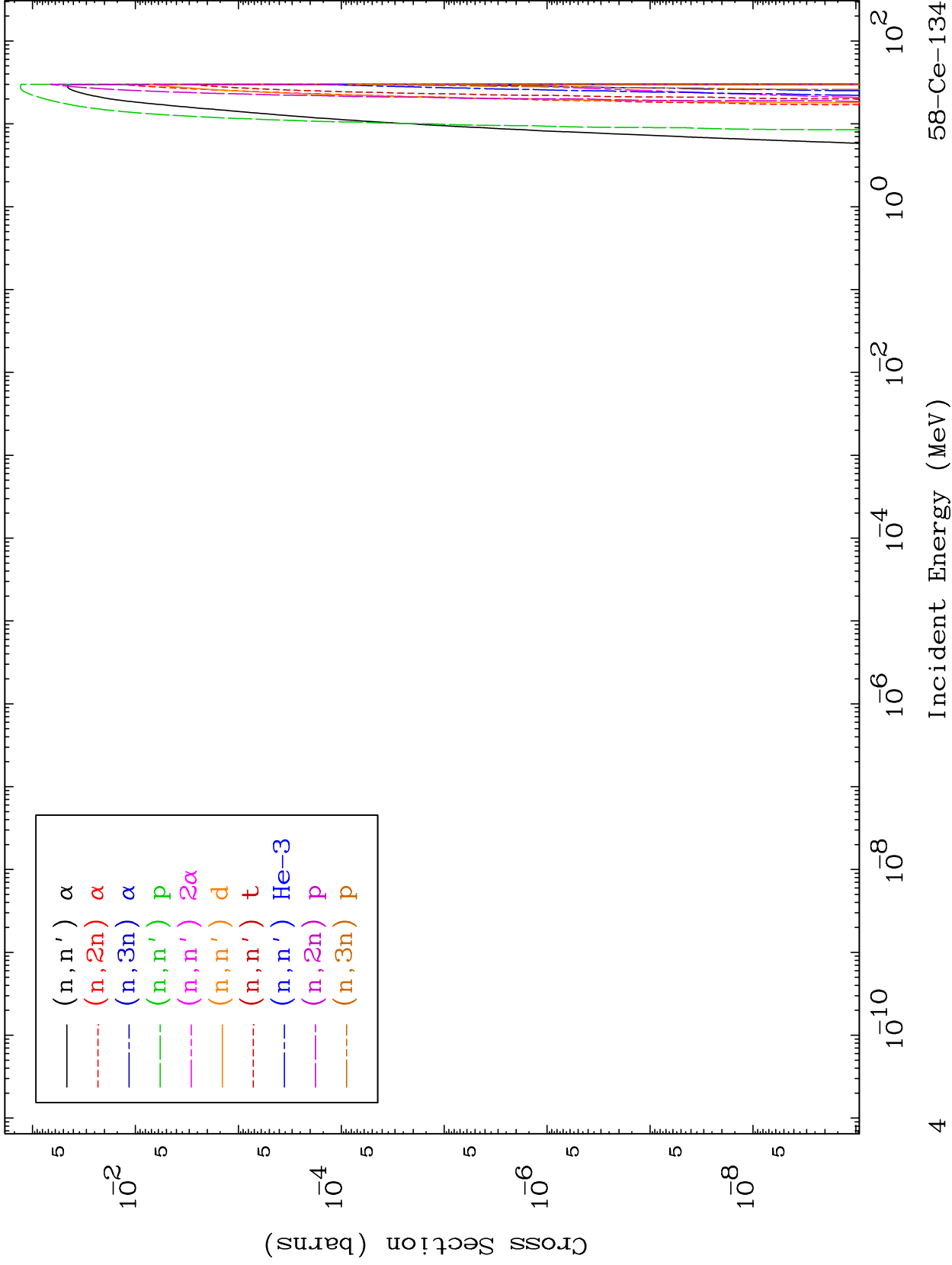




MAT 5819

Charged Particle
293 Kelvin Cross Sections

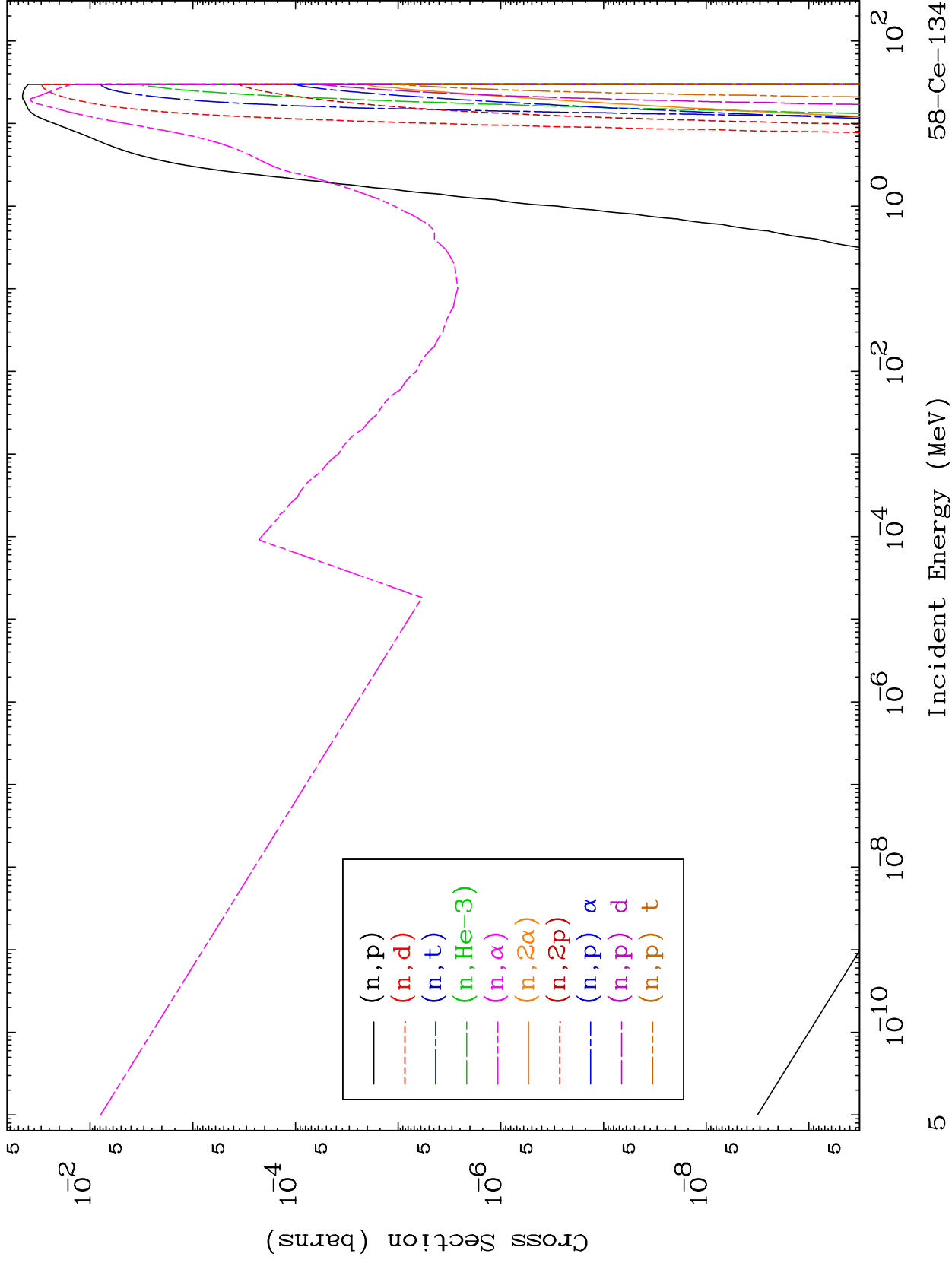
58-Ce-134



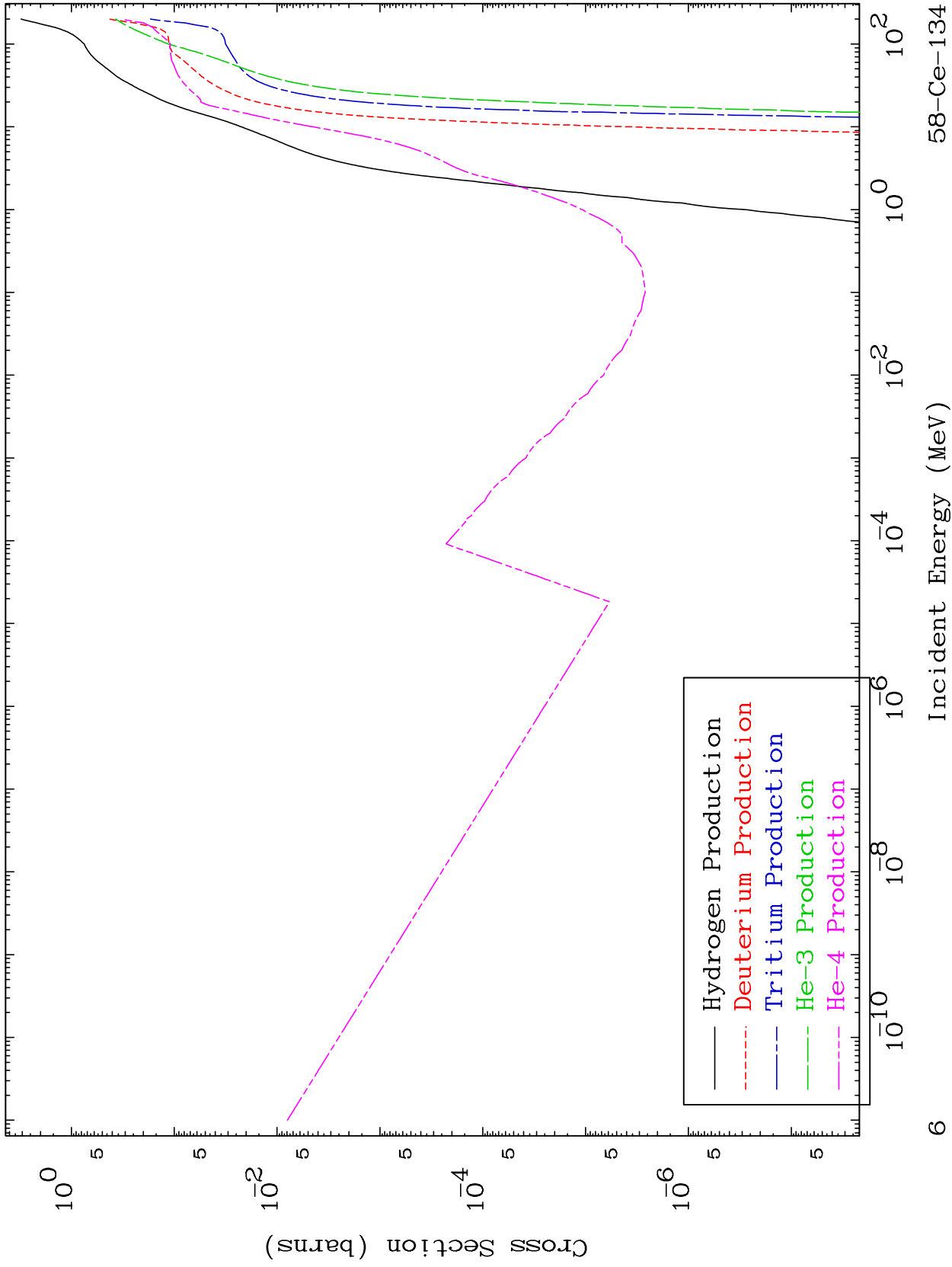
MAT 5819

Charged Particle
293 Kelvin Cross Sections

58-Ce-134



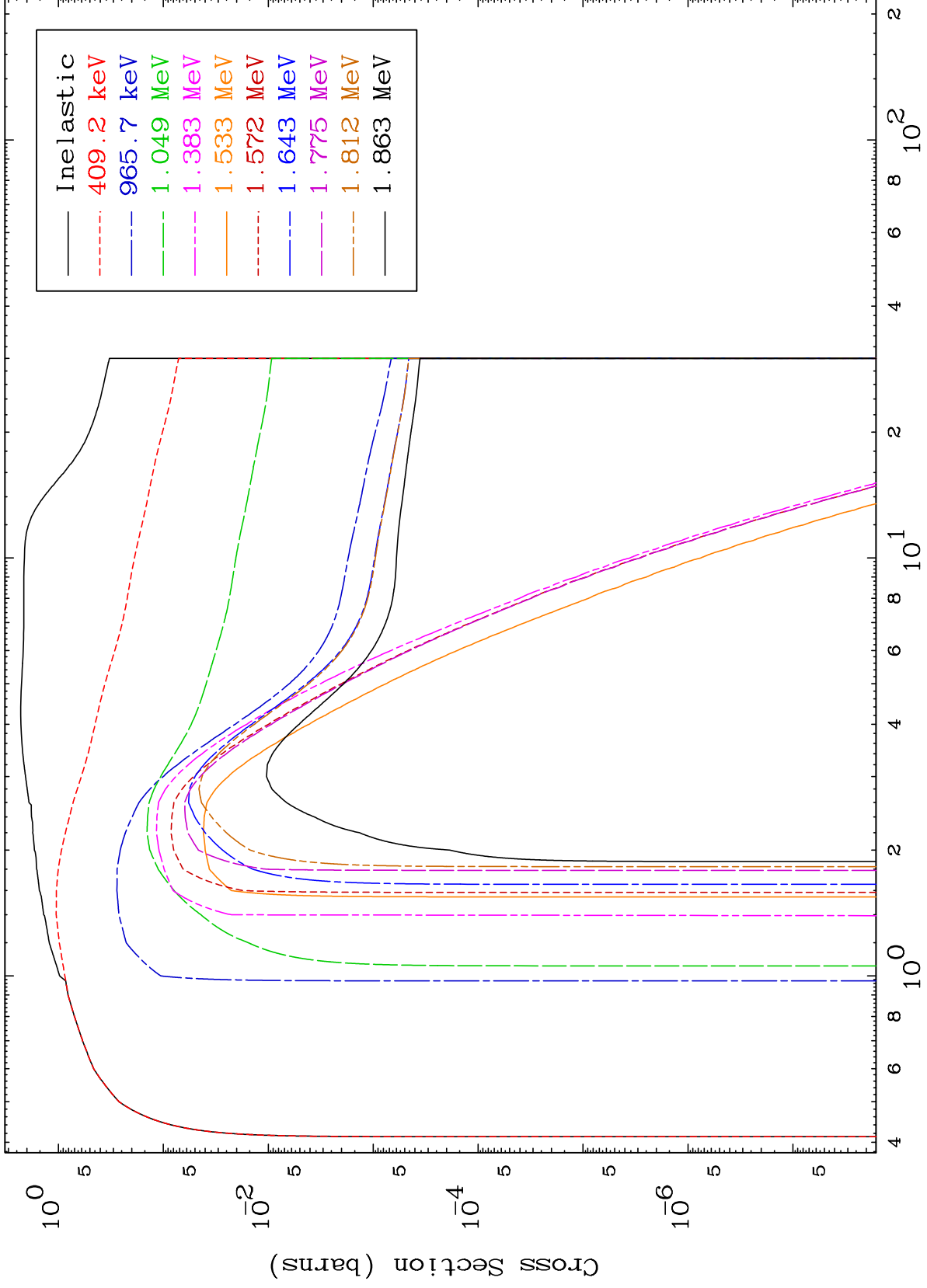
5



MAT 5819

(n,n') Level
293 Kelvin Cross Sections

58-Ce-134



7

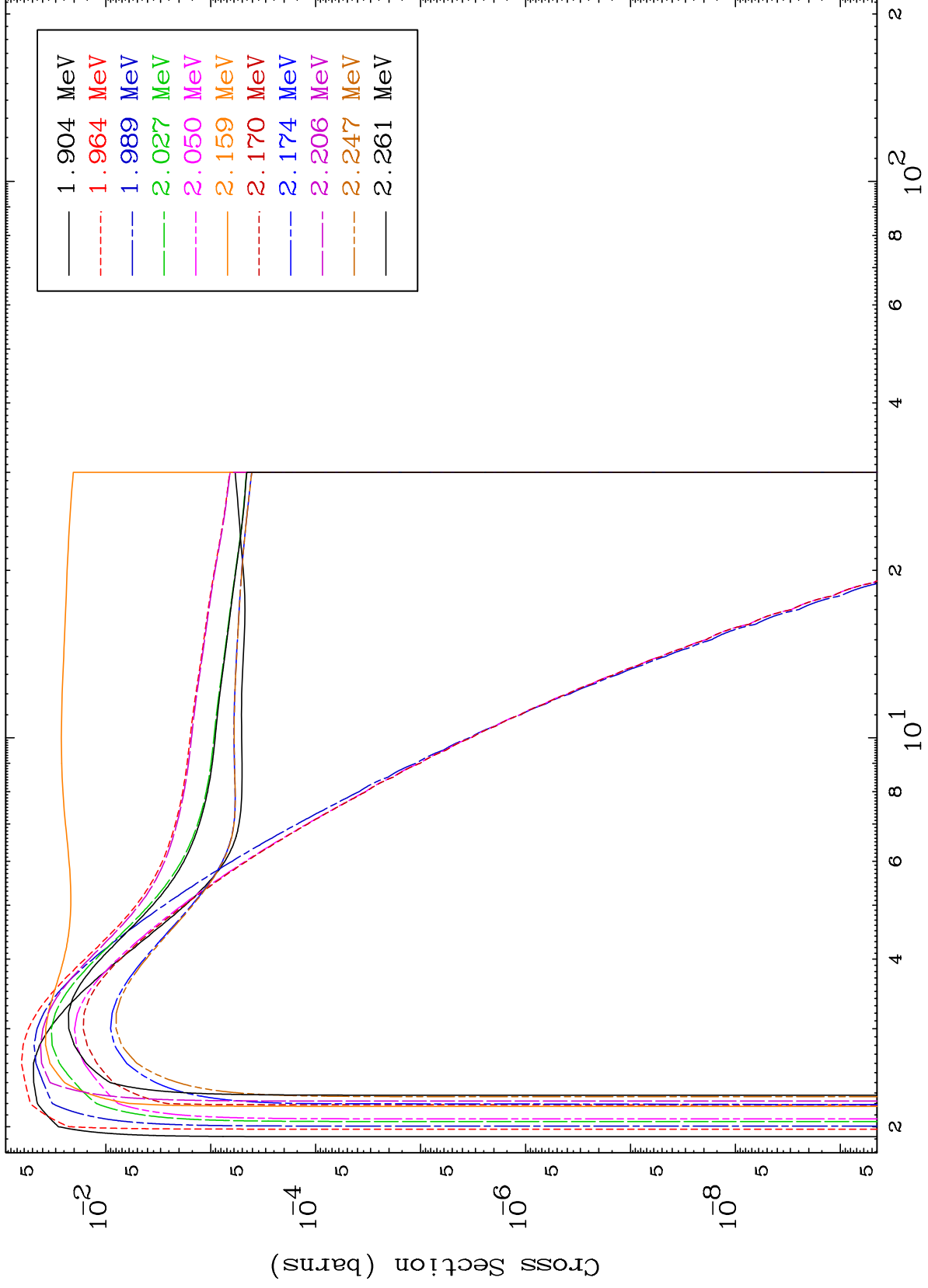
Incident Energy (MeV)

58-Ce-134

MAT 5819

(n,n') Level
293 Kelvin Cross Sections

58-Ce-134

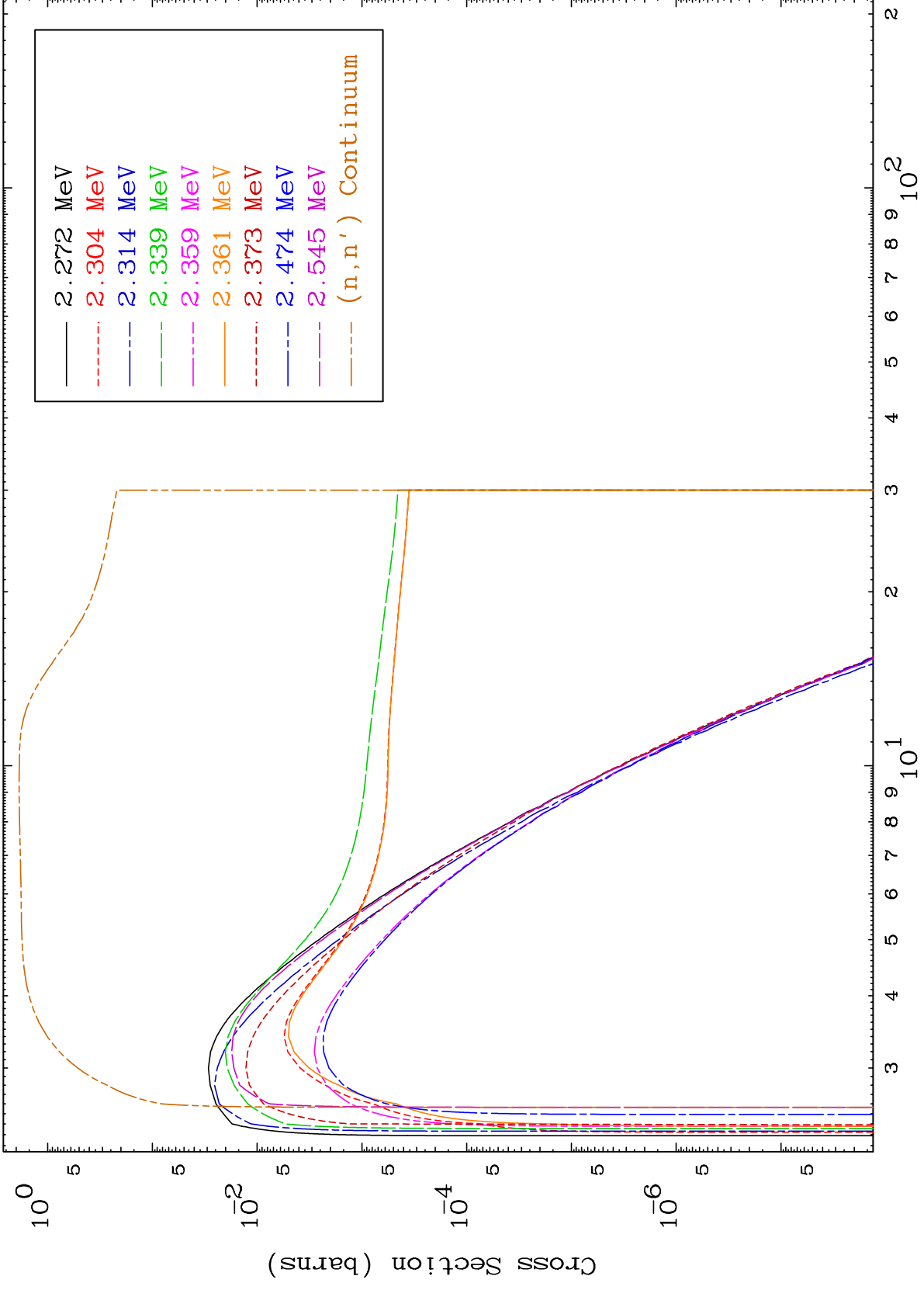


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Incident Energy (MeV)

58-Ce-134

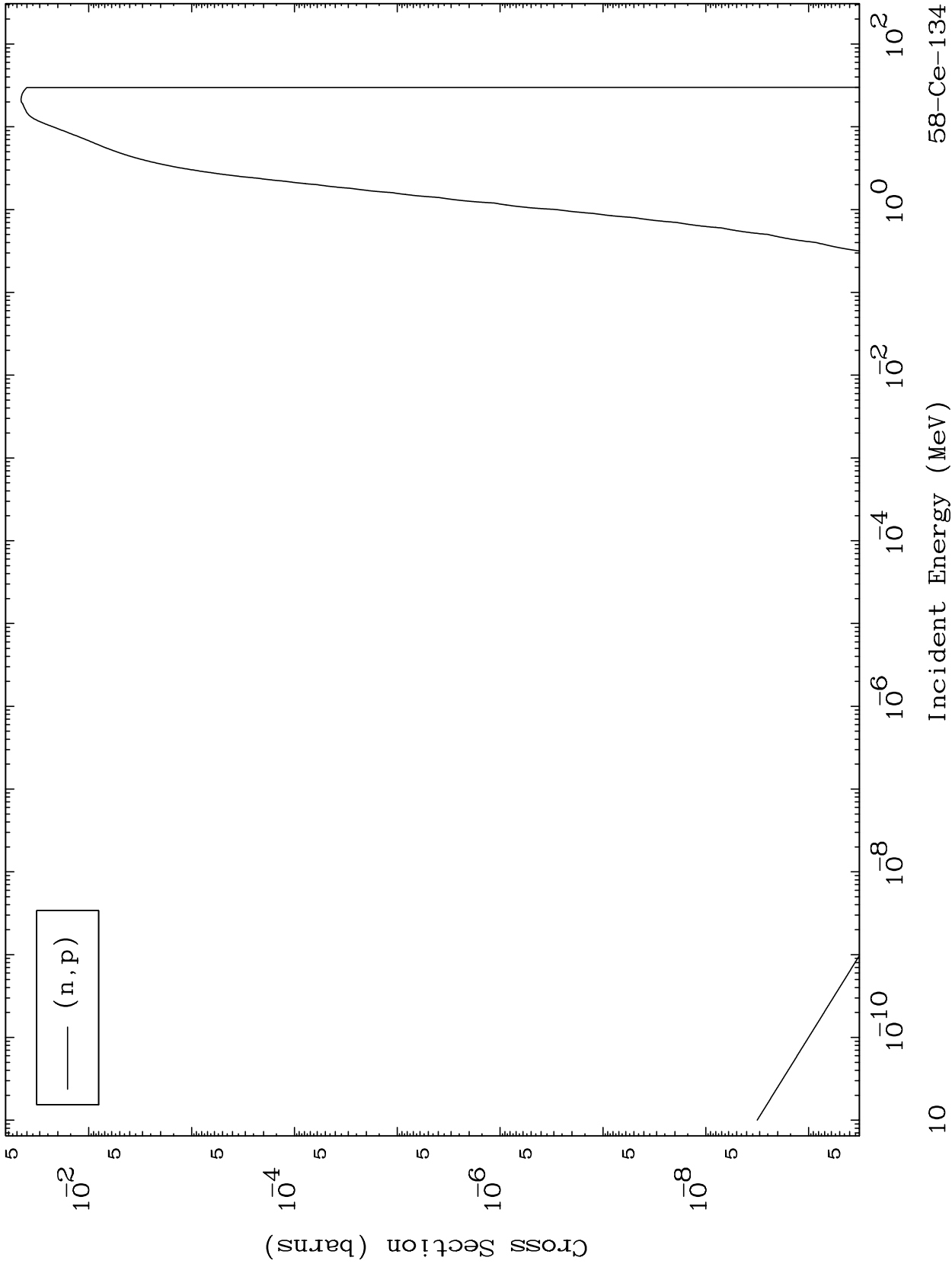
293 Kelvin Cross Sections



MAT 5819

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-134



10

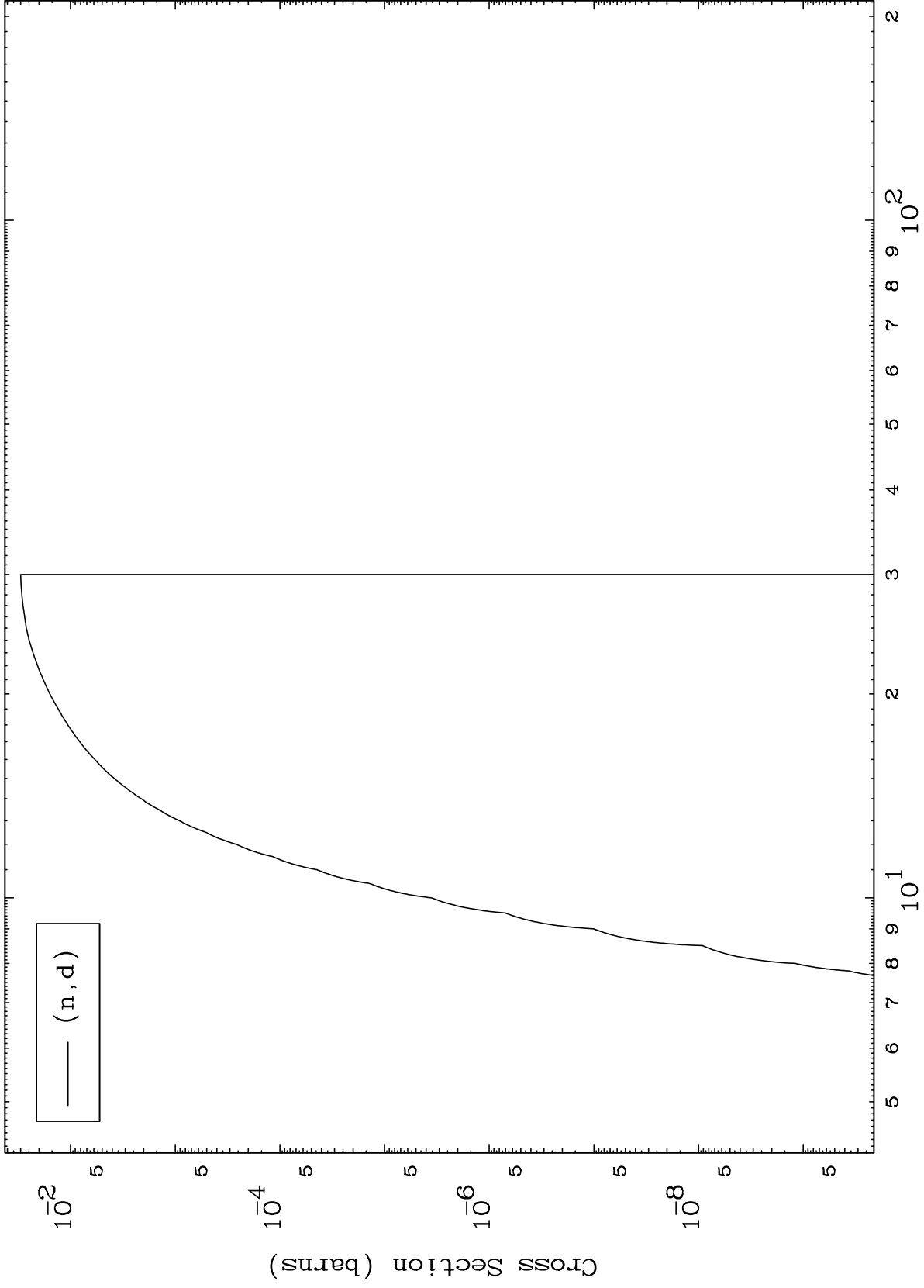
Incident Energy (MeV)

58-Ce-134

MAT 5819

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-134



11

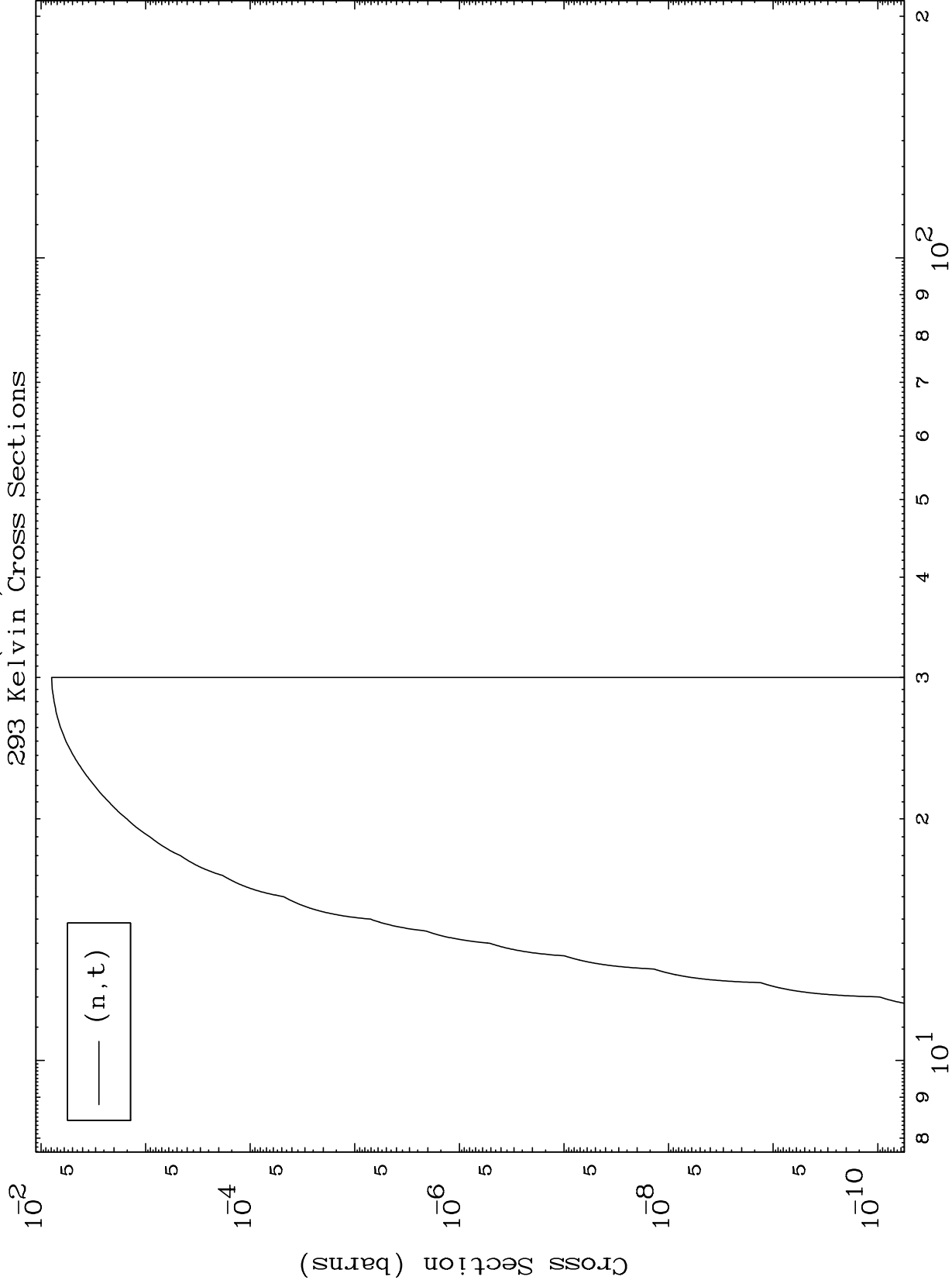
Incident Energy (MeV)

58-Ce-134

MAT 5819

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-134



12

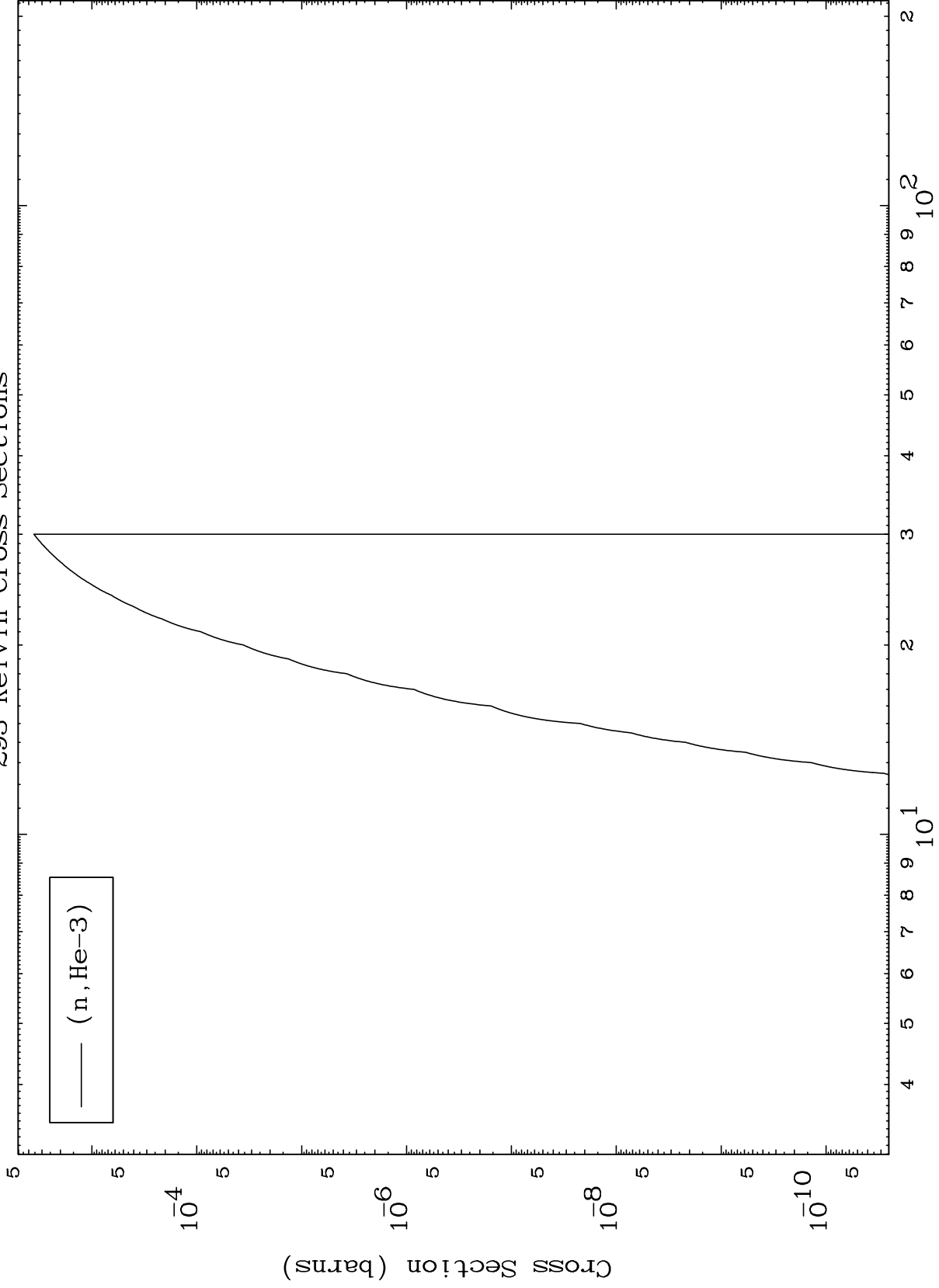
Incident Energy (MeV)

58-Ce-134

MAT 5819

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-134



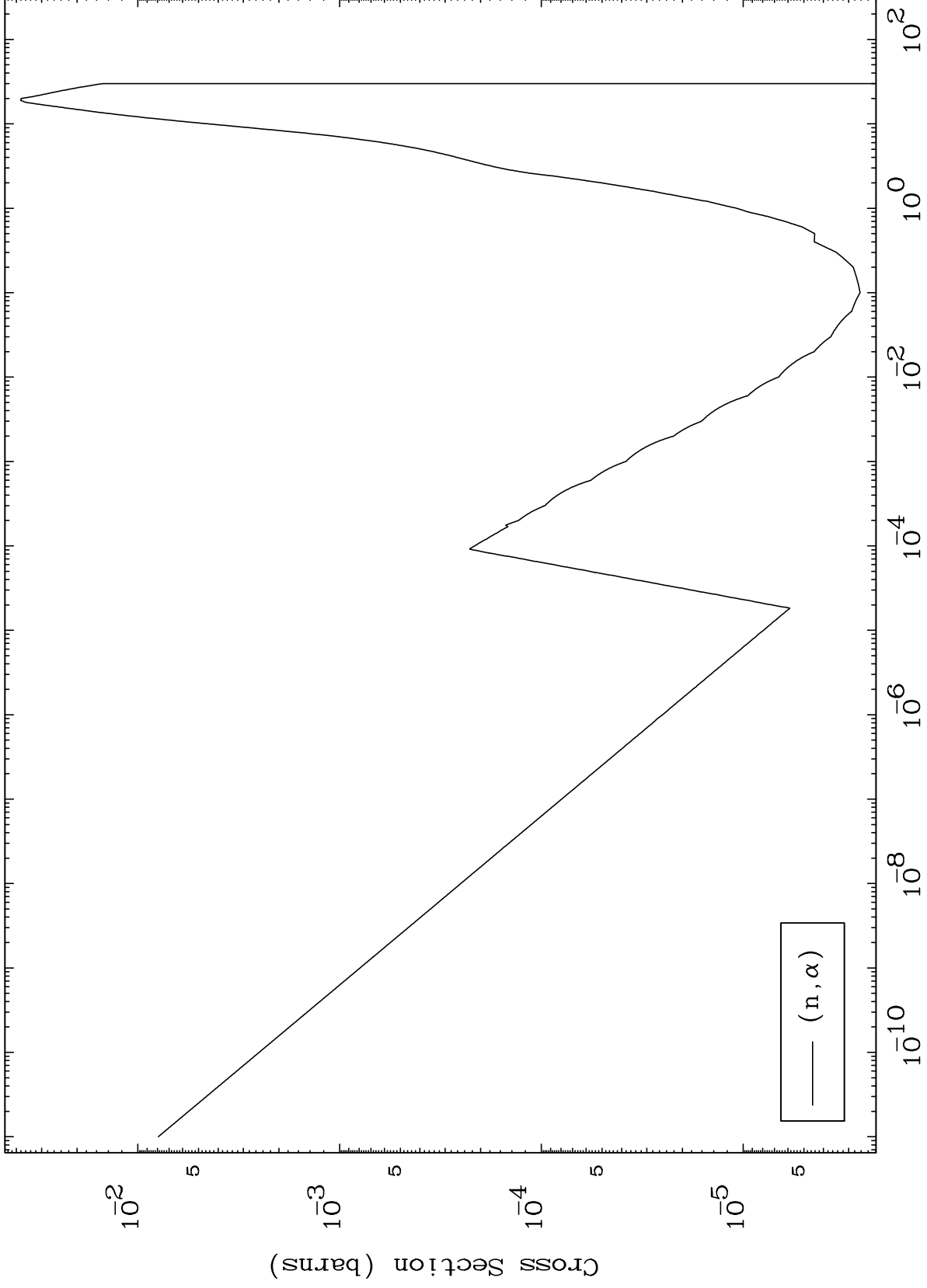
58-Ce-134

13

MAT 5819

(n, α) Levels
293 Kelvin Cross Sections

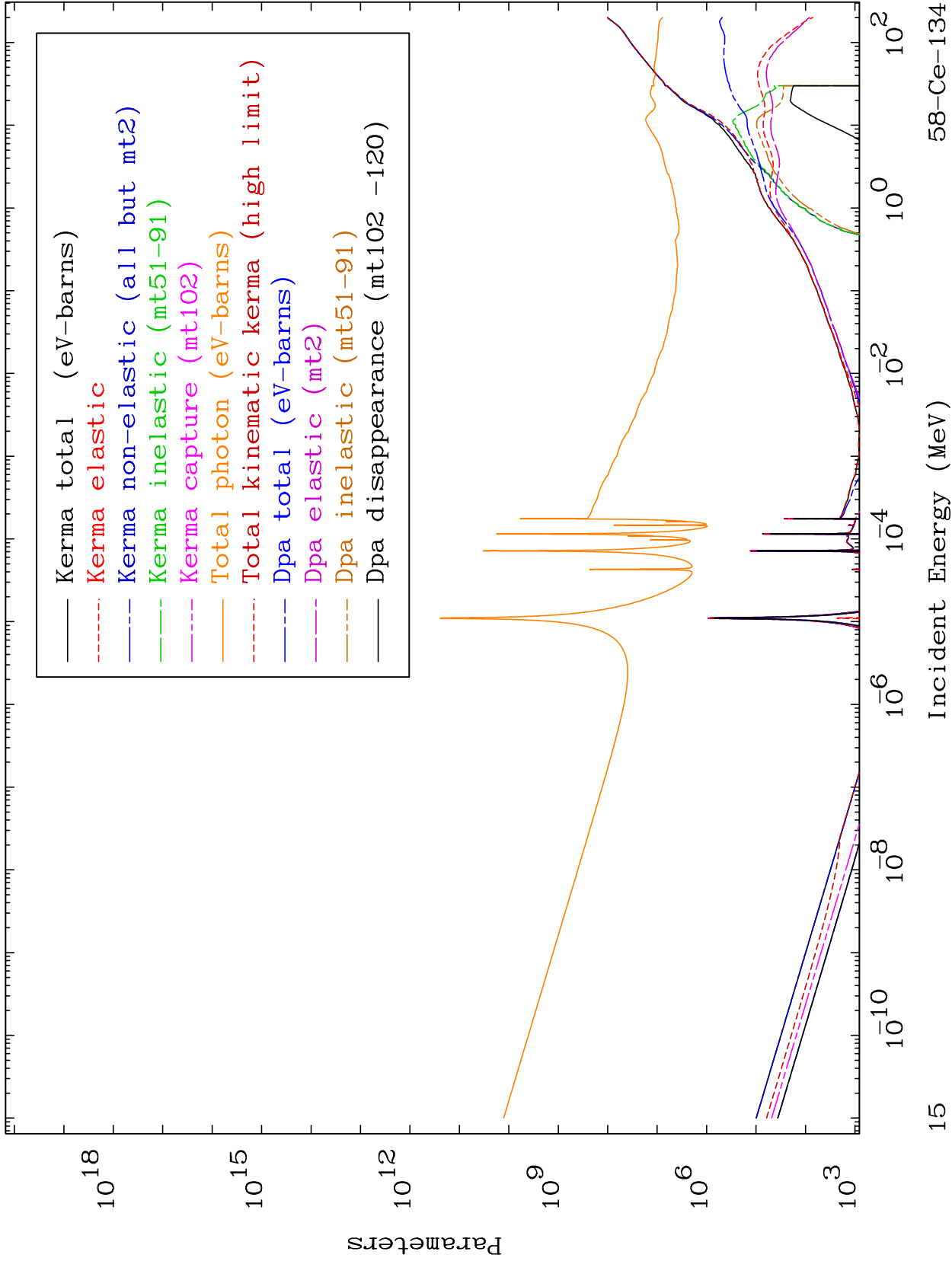
58-Ce-134



14

Incident Energy (MeV)

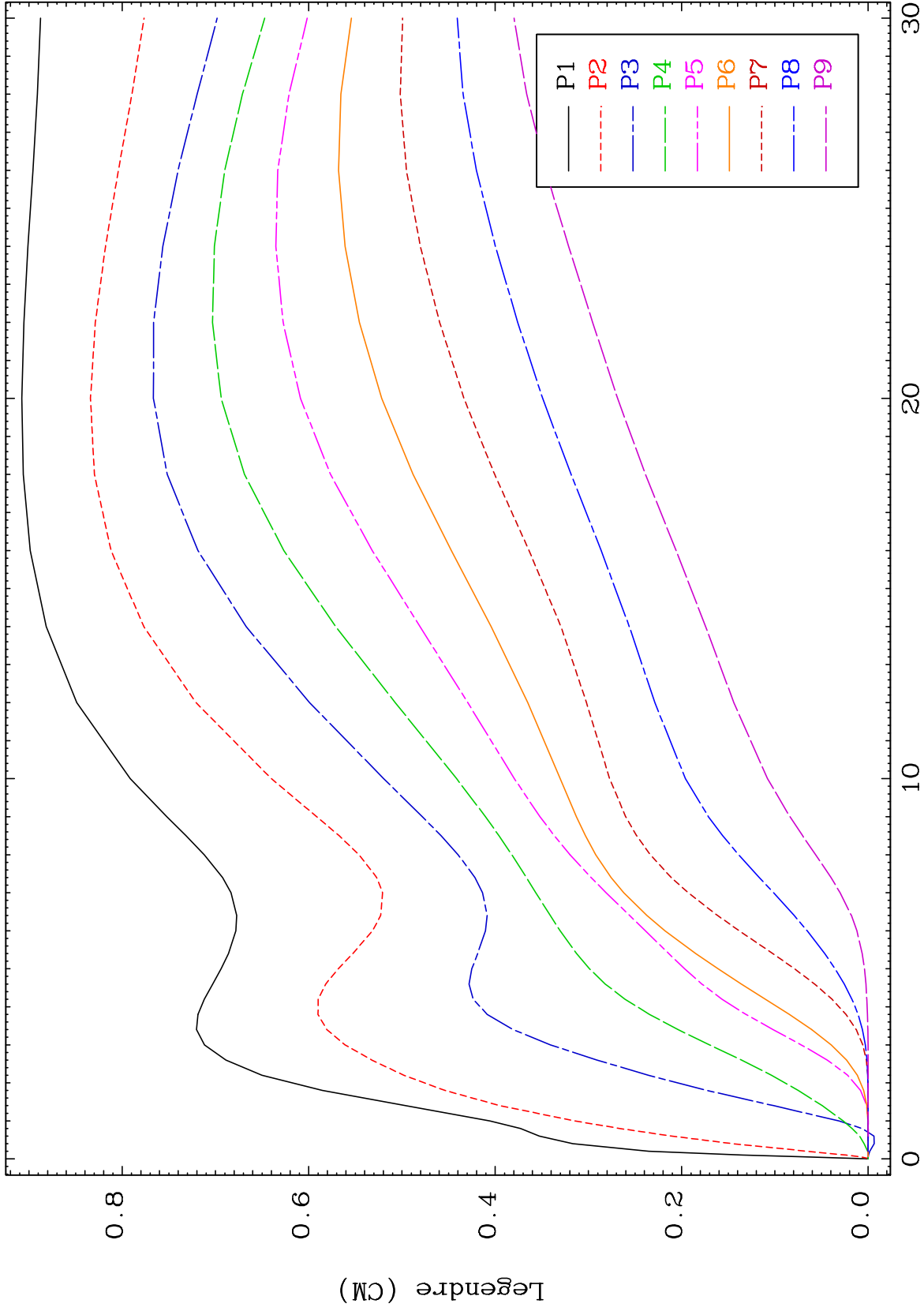
58-Ce-134



MAT 5819

Elastic Legendre Coefficients

58-Ce-134



16

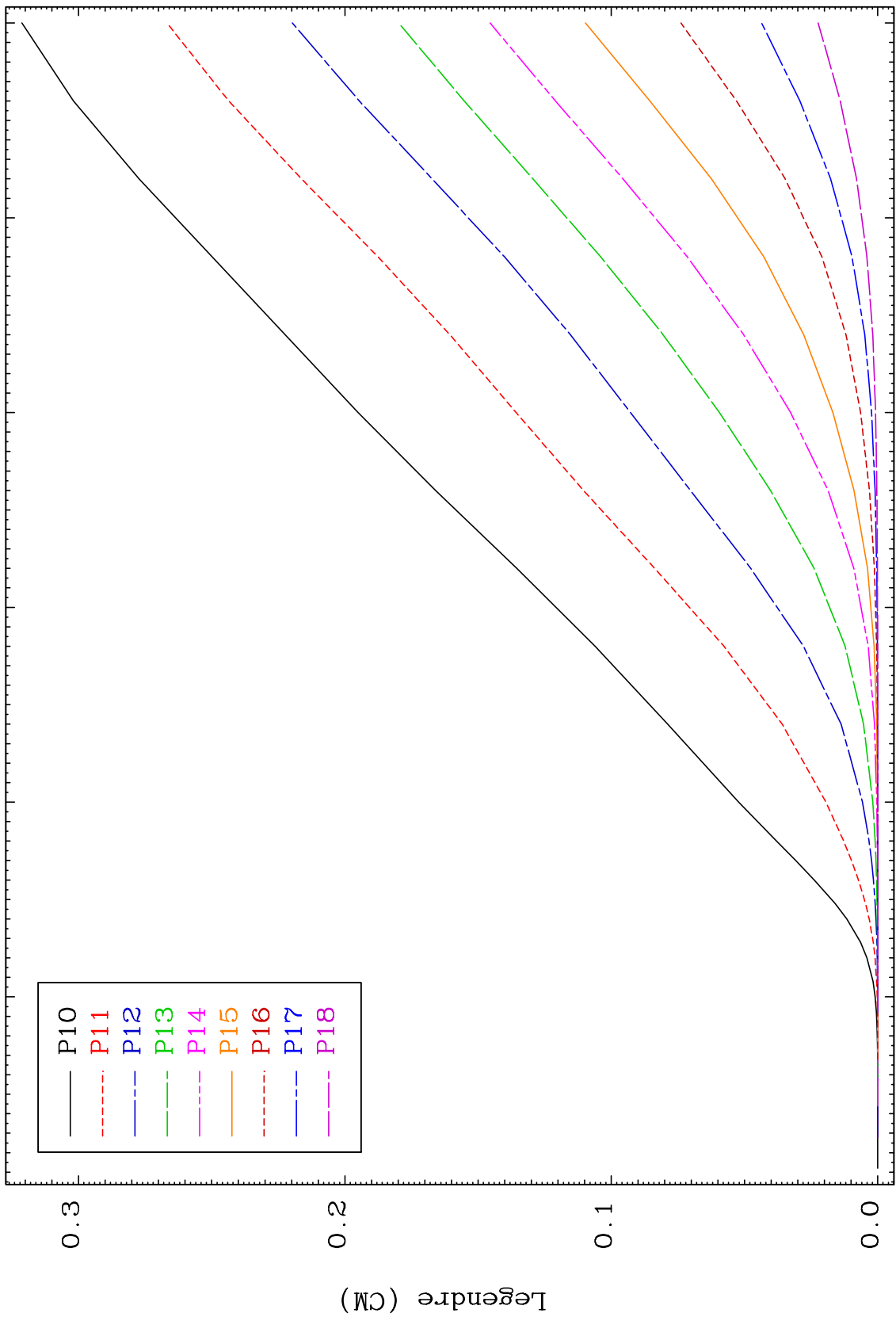
Incident Energy (MeV)

58-Ce-134

MAT 5819

Elastic Legendre Coefficients

58-Ce-134



17

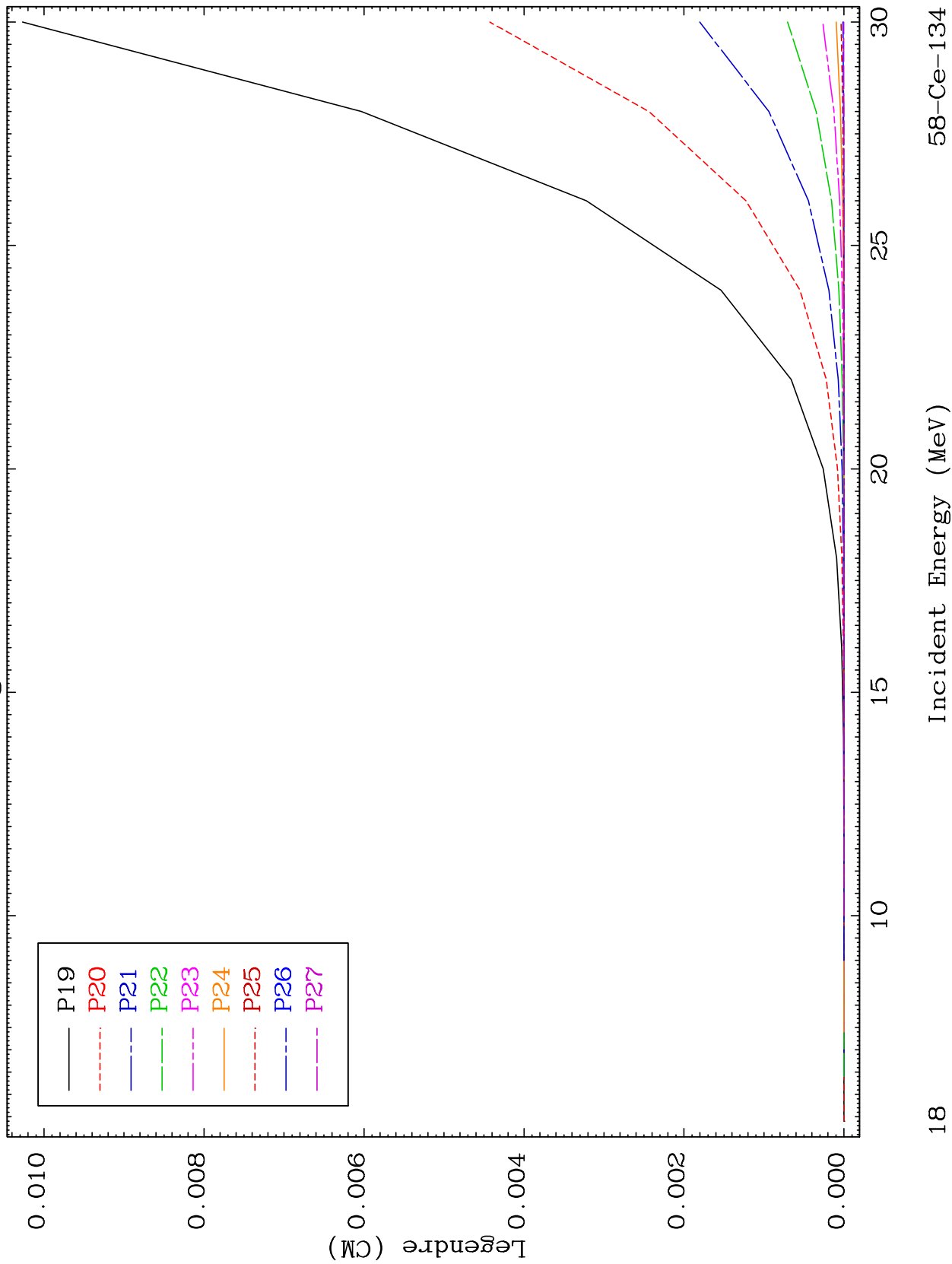
Incident Energy (MeV)

58-Ce-134

MAT 5819

Elastic Legendre Coefficients

58-Ce-134



18

Incident Energy (MeV)

58-Ce-134

30

25

20

15

10

0.010

0.008

0.006

0.004

0.002

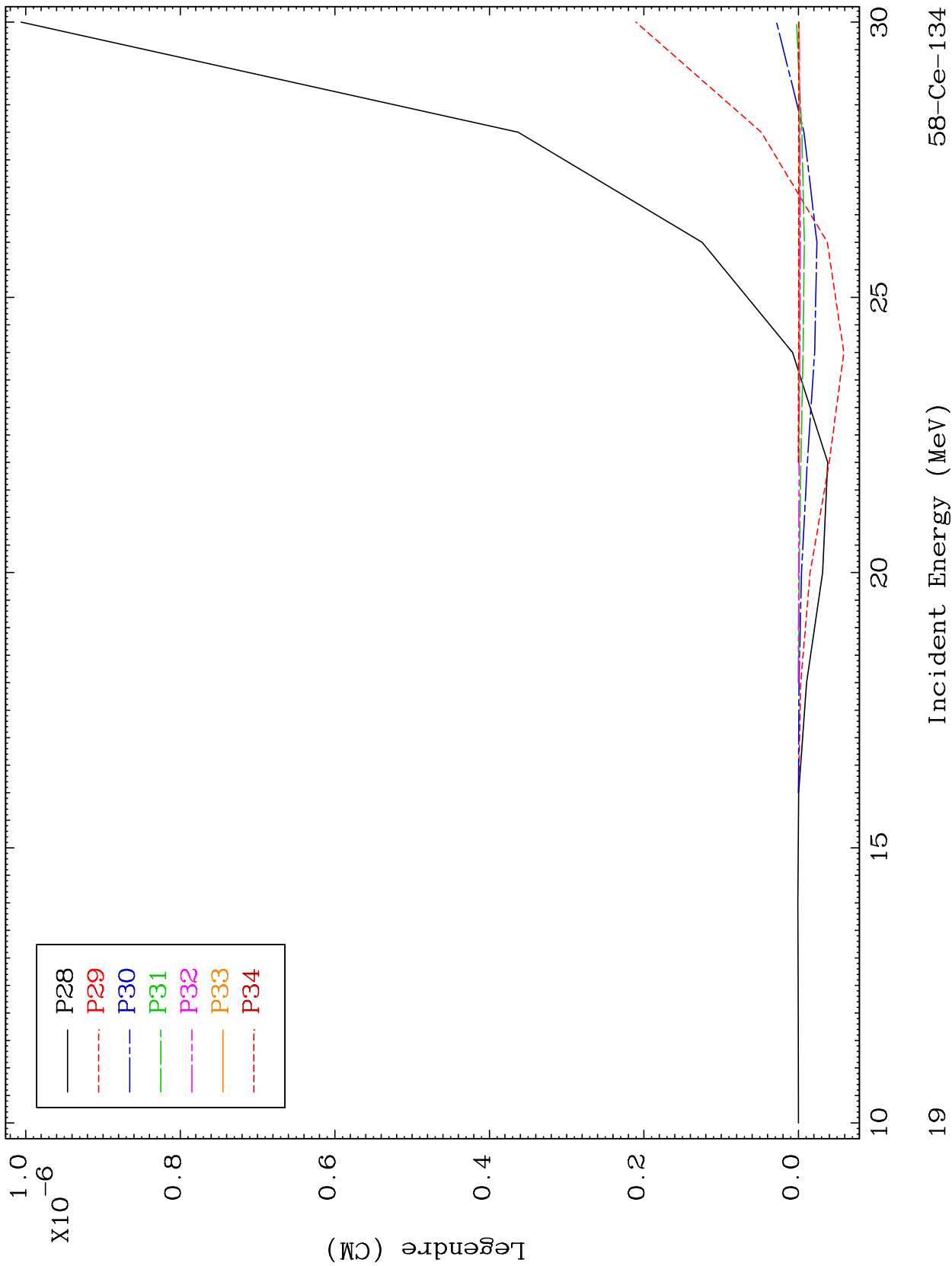
0.000

- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

MAT 5819

Elastic Legendre Coefficients

58-Ce-134



19

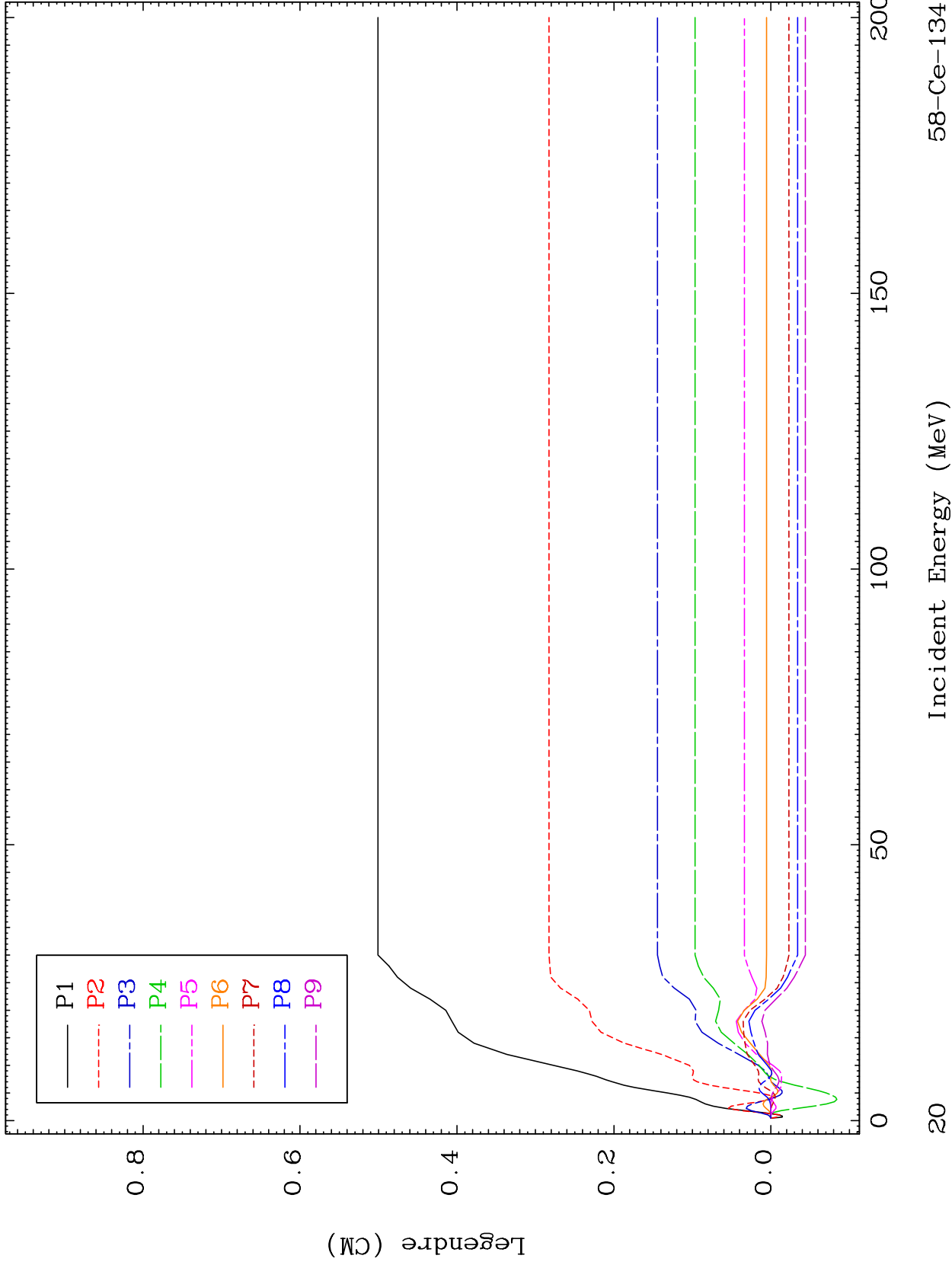
Incident Energy (MeV)

58-Ce-134

MAT 5819

409.2 keV (n,n') Level
Legendre Coefficients

58-Ce-134



58-Ce-134

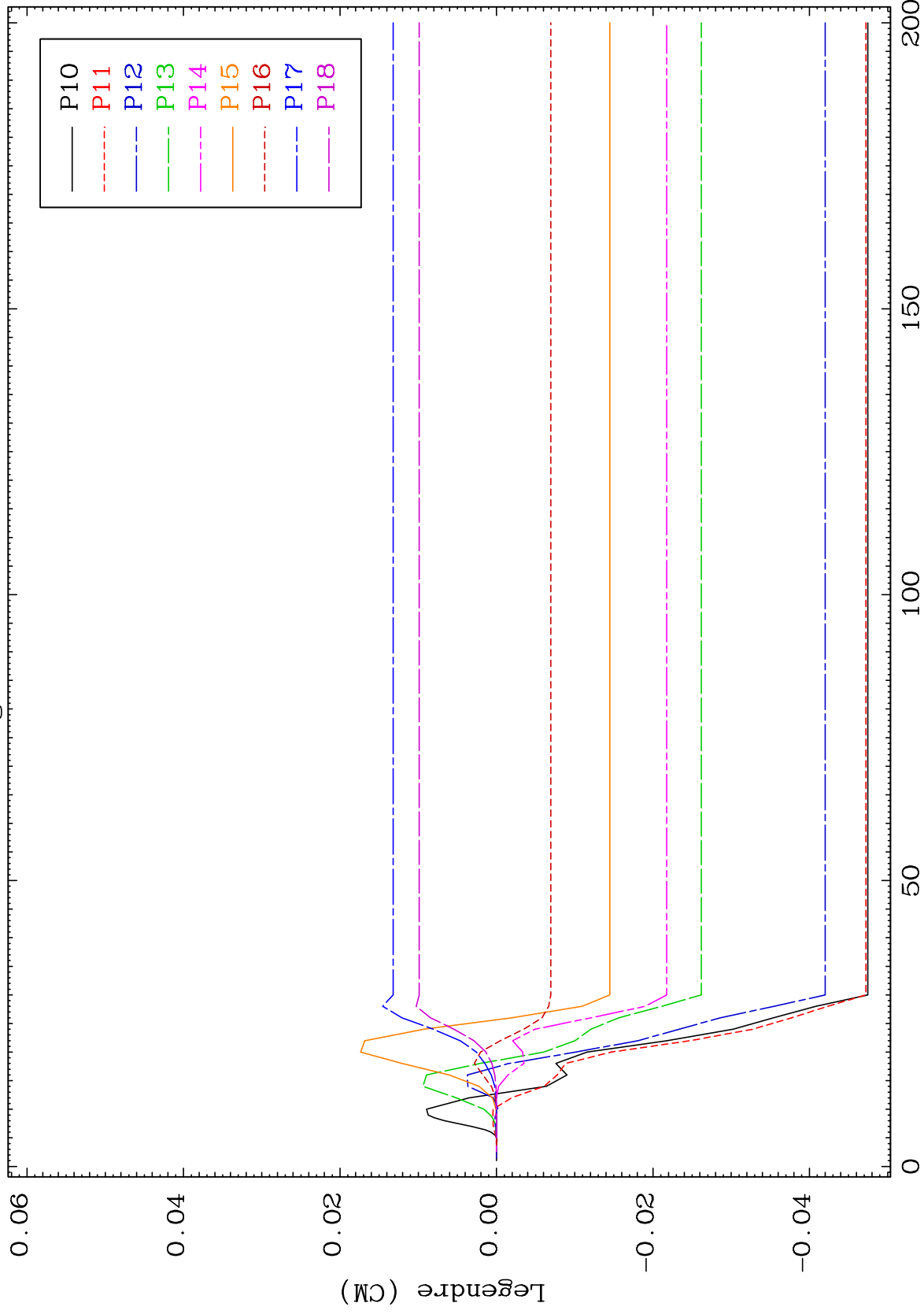
Incident Energy (MeV)

0

MAT 5819

409.2 keV (n,n') Level
Legendre Coefficients

58-Ce-134



21

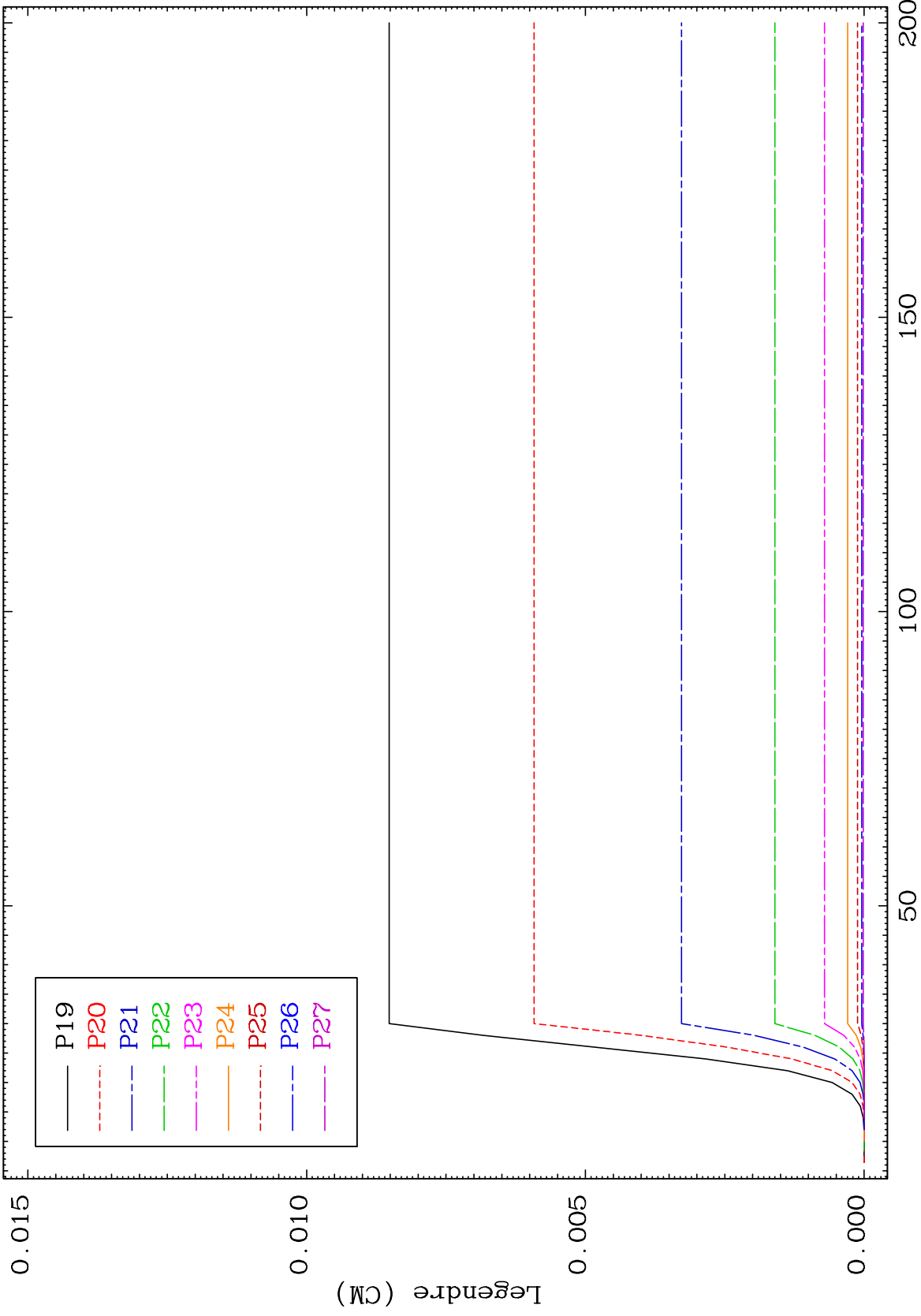
Incident Energy (MeV)

58-Ce-134

MAT 5819

409.2 keV (n,n') Level
Legendre Coefficients

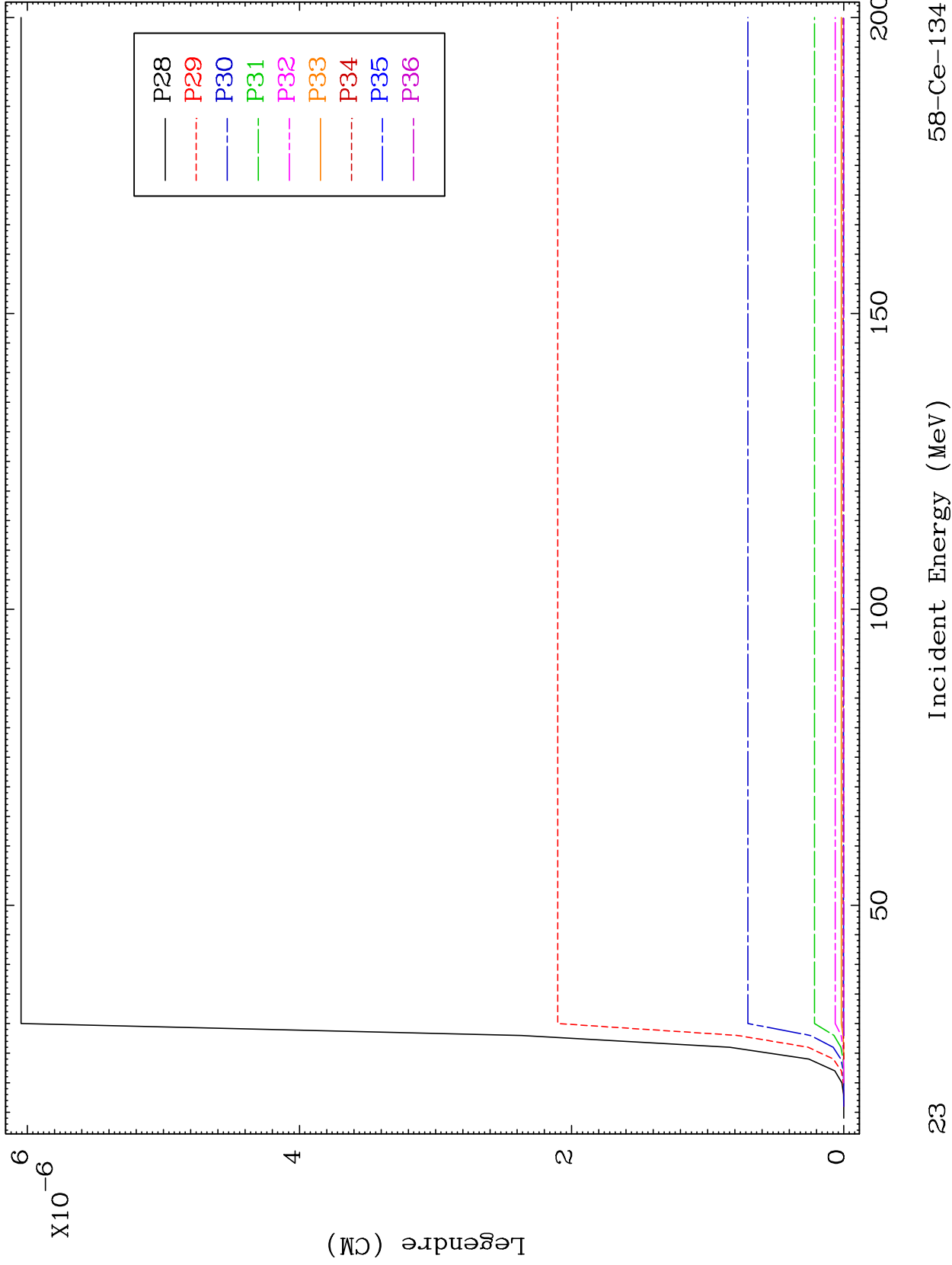
58-Ce-134



MAT 5819

409.2 keV (n,n') Level
Legendre Coefficients

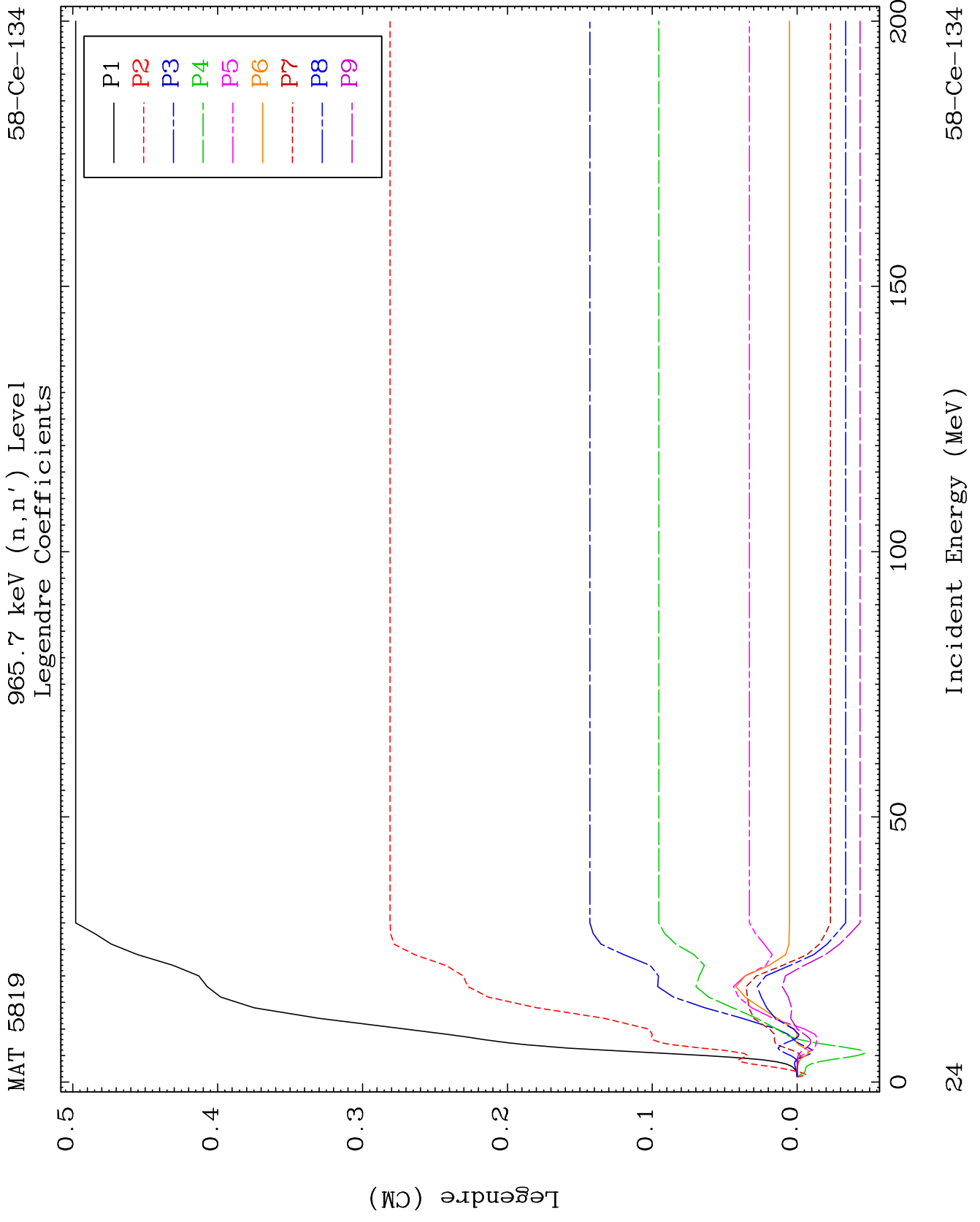
58-Ce-134

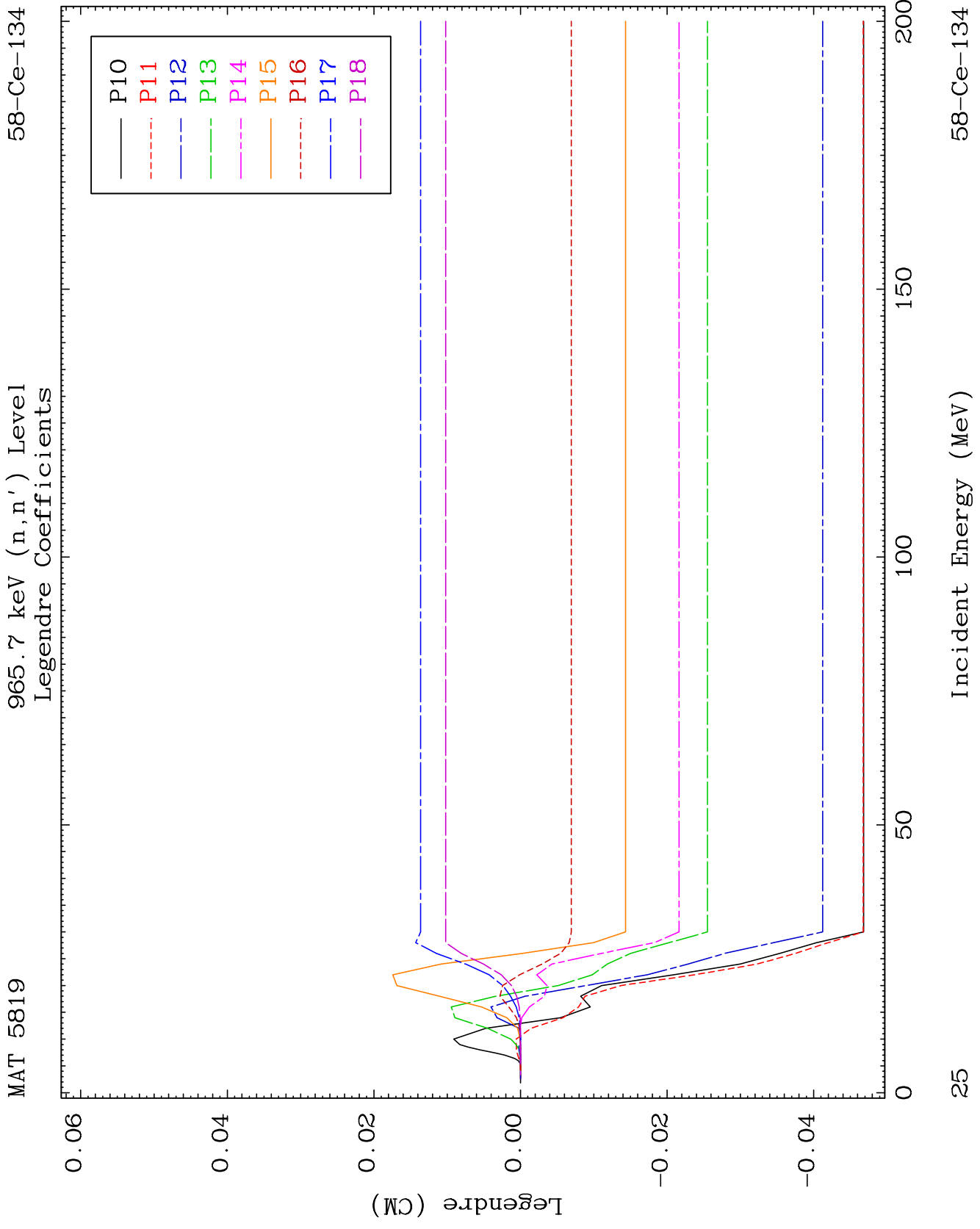


23

Incident Energy (MeV)

58-Ce-134

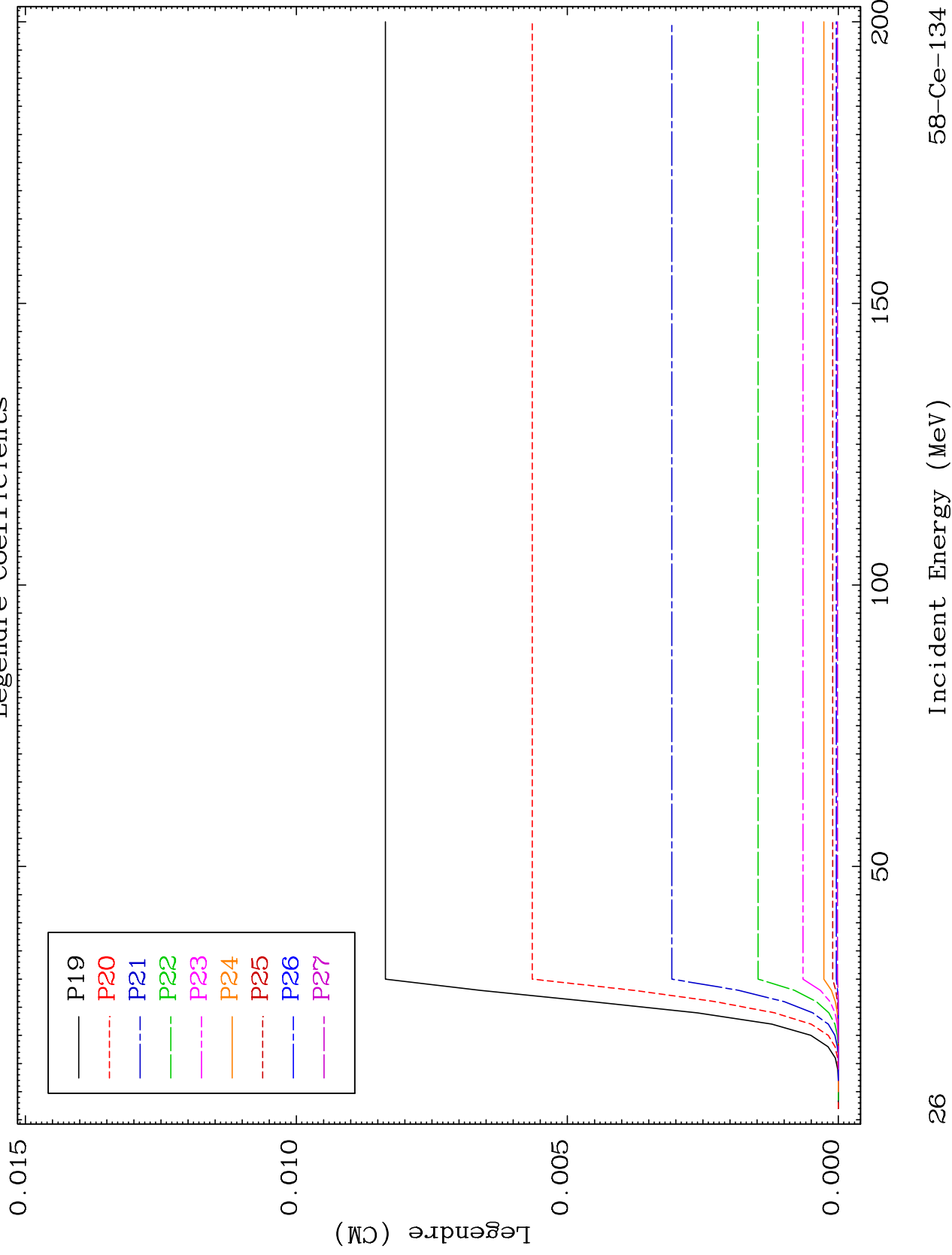




MAT 5819

965.7 keV (n,n') Level
Legendre Coefficients

58-Ce-134



26

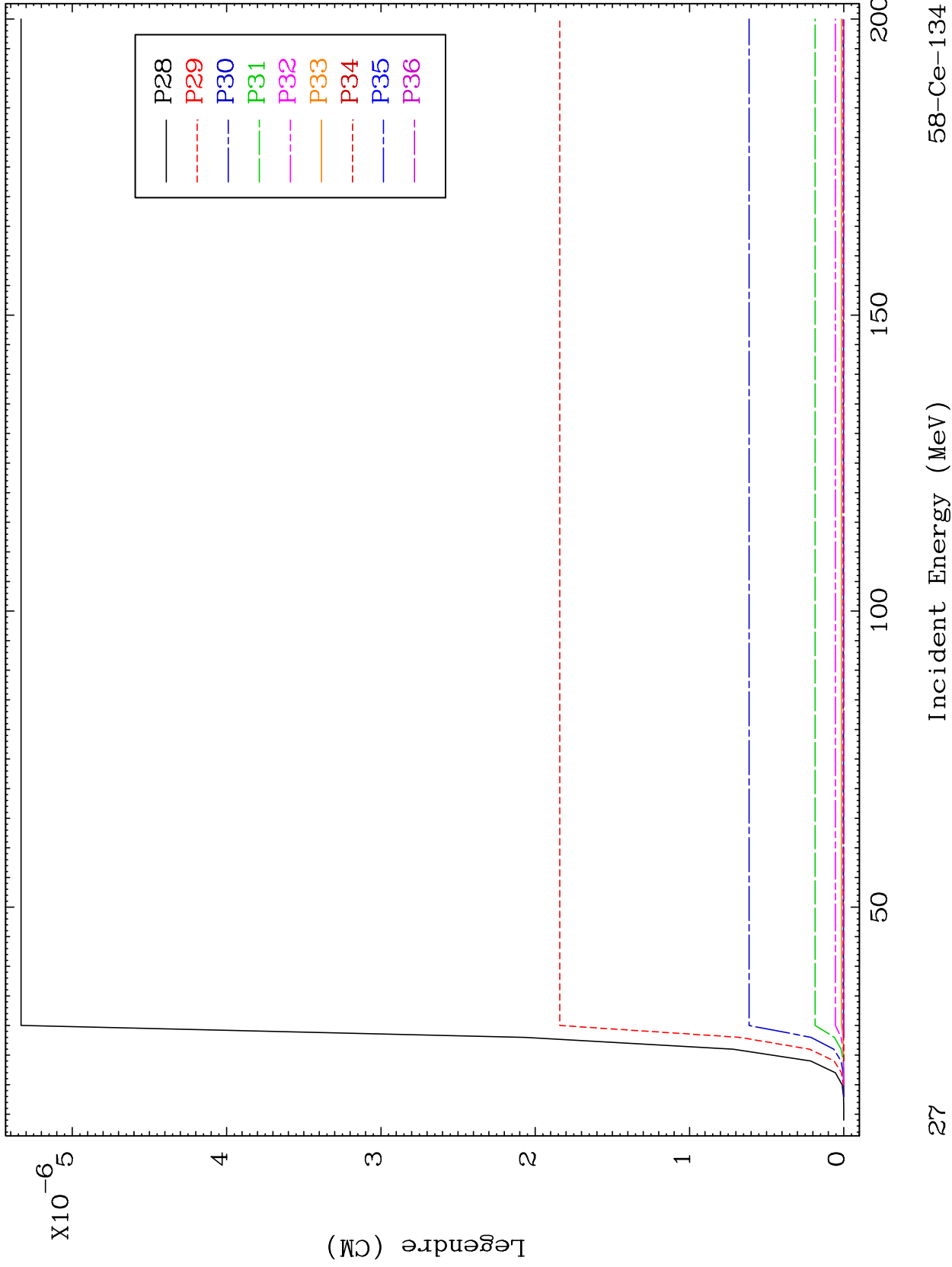
Incident Energy (MeV)

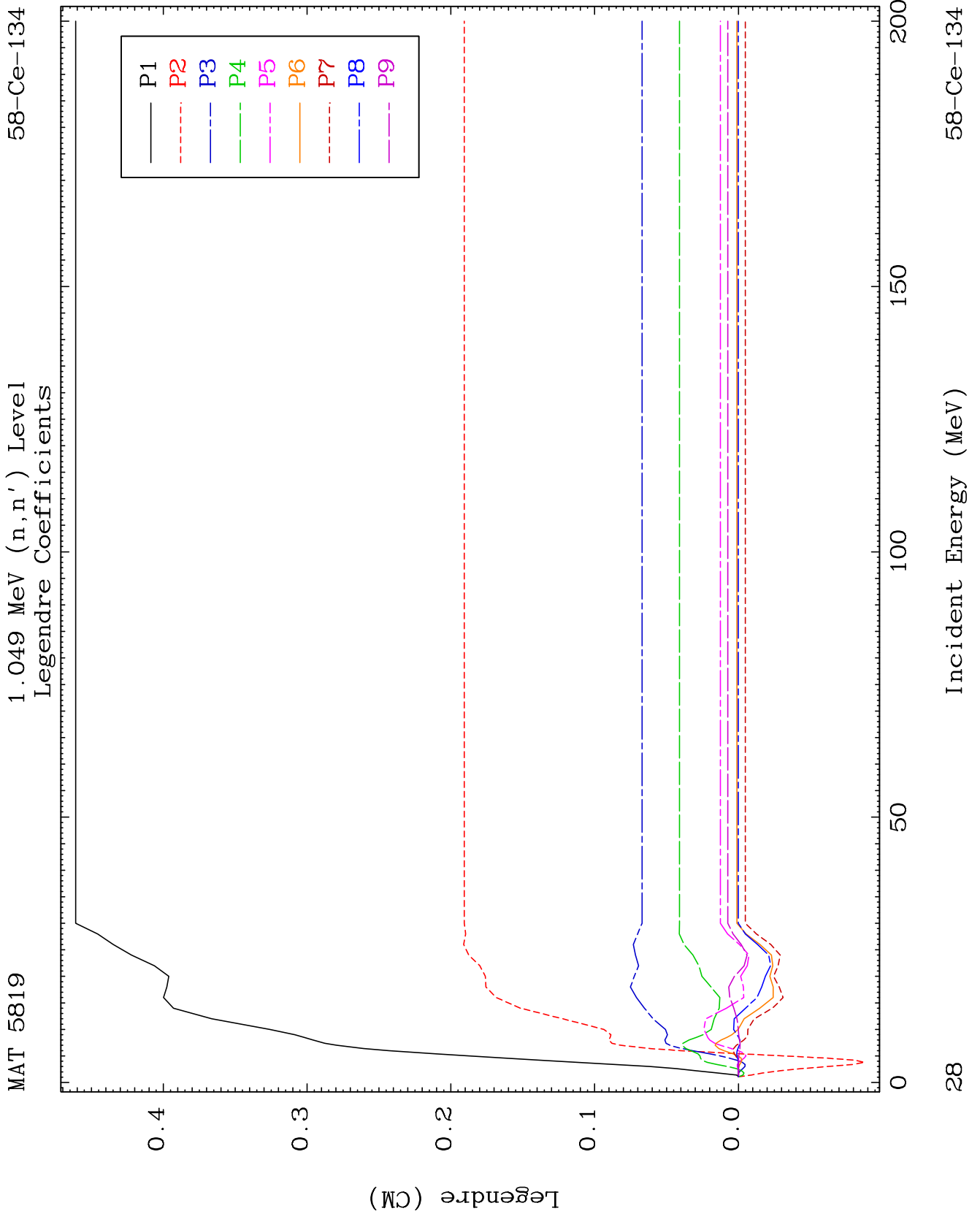
58-Ce-134

MAT 5819

965.7 keV (n,n') Level
Legendre Coefficients

58-Ce-134

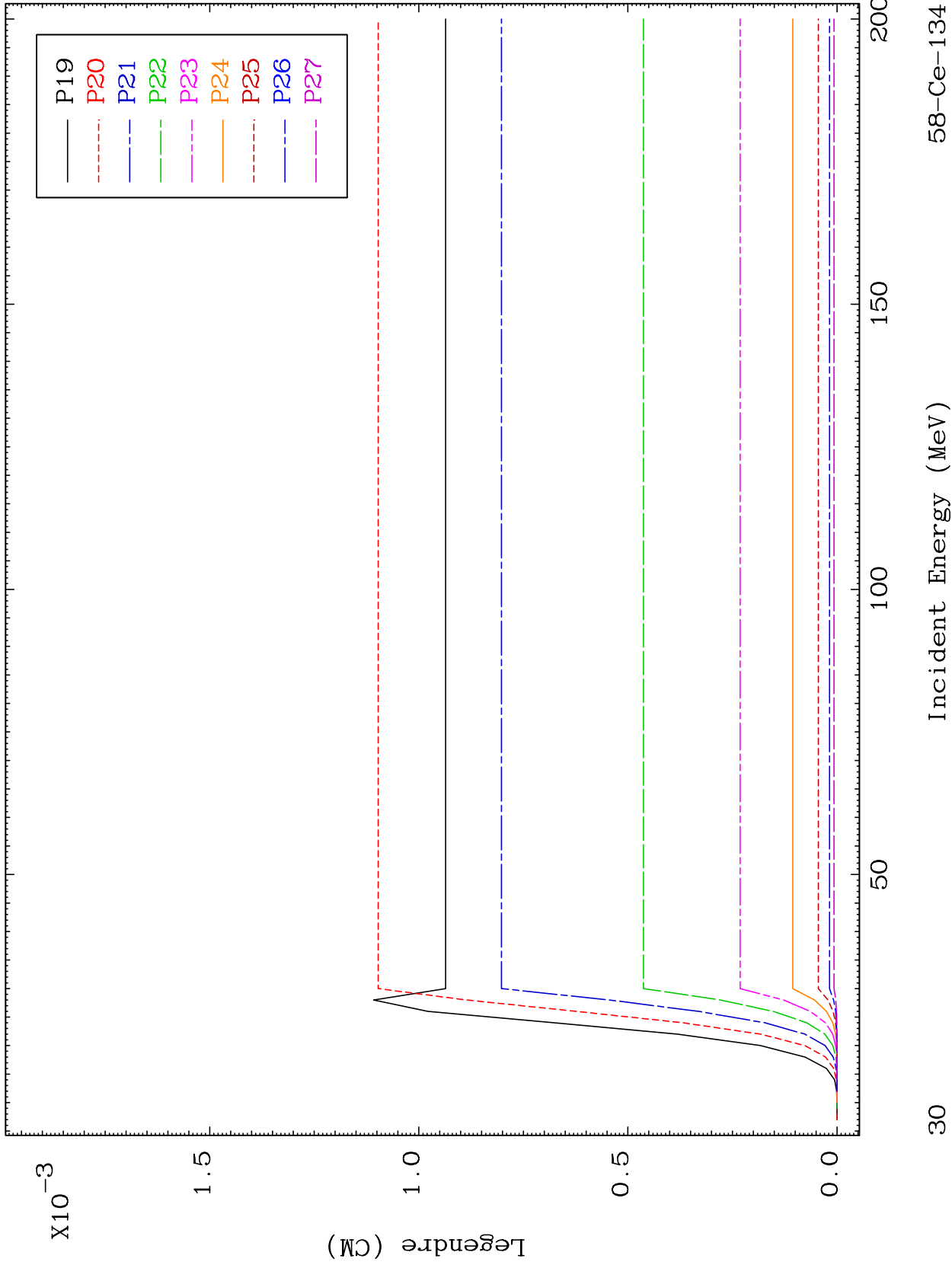




MAT 5819

1.049 MeV (n,n') Level
Legendre Coefficients

58-Ce-134



58-Ce-134

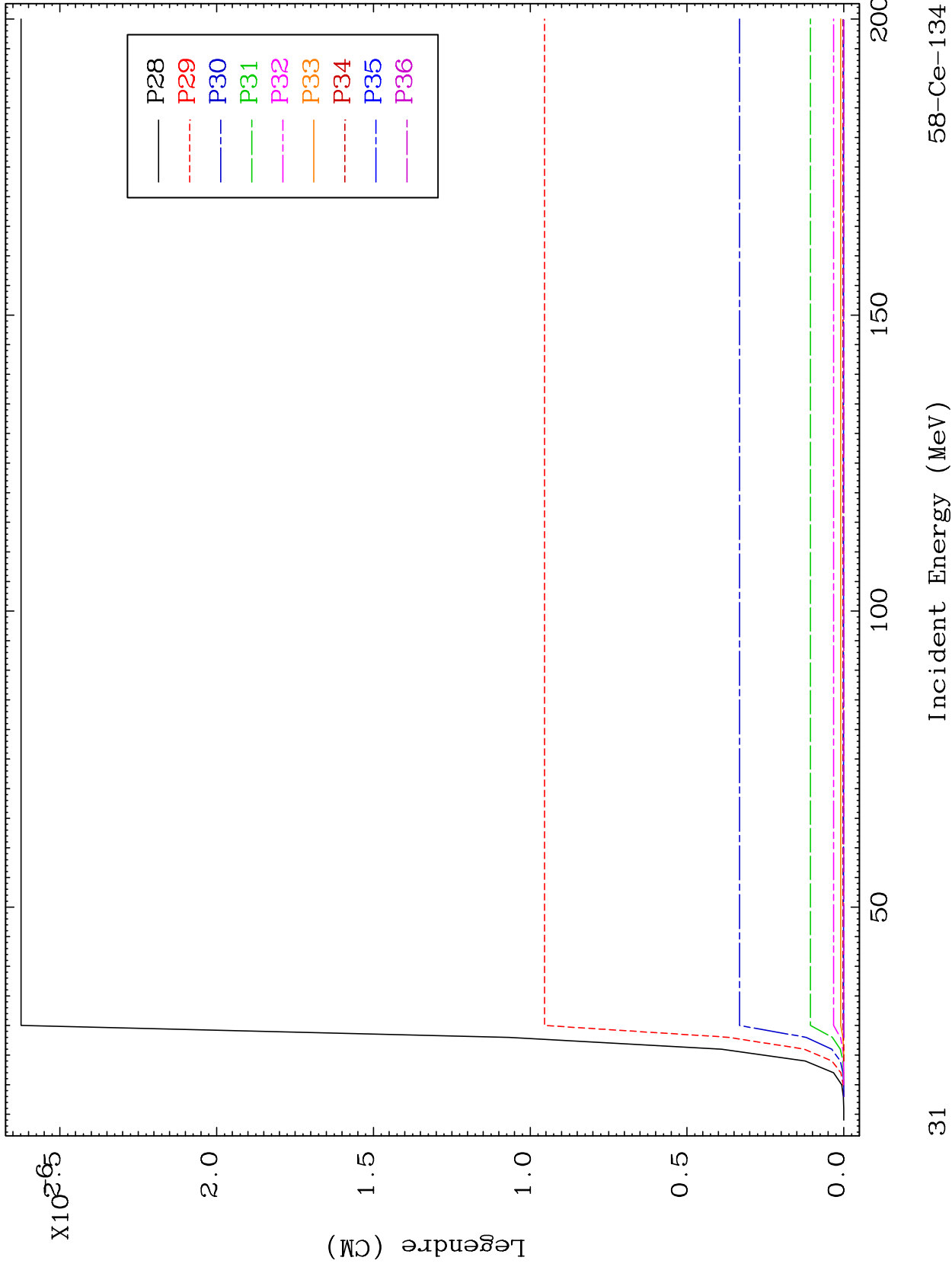
Incident Energy (MeV)

30

MAT 5819

1.049 MeV (n, n') Level
Legendre Coefficients

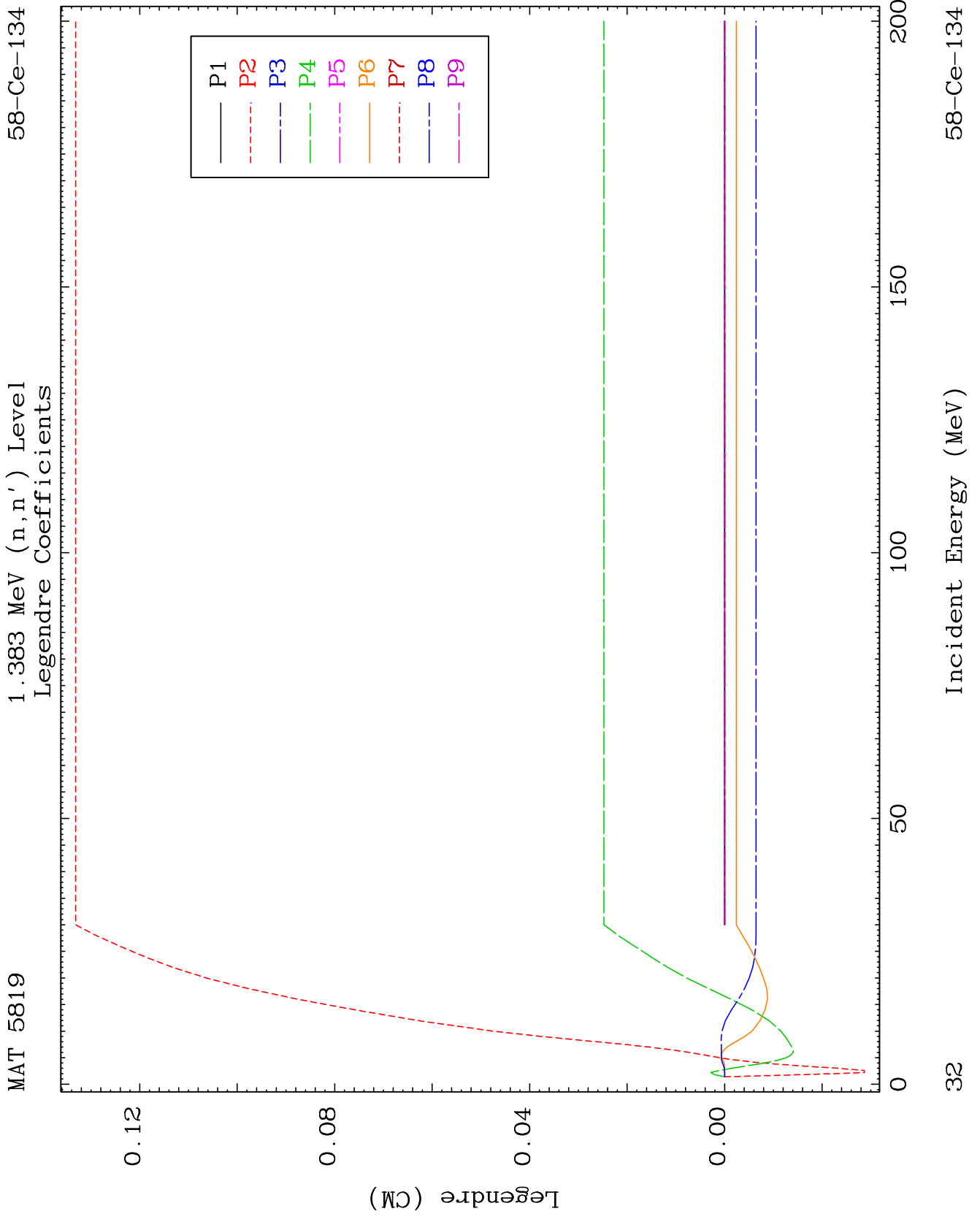
58-Ce-134



31

Incident Energy (MeV)

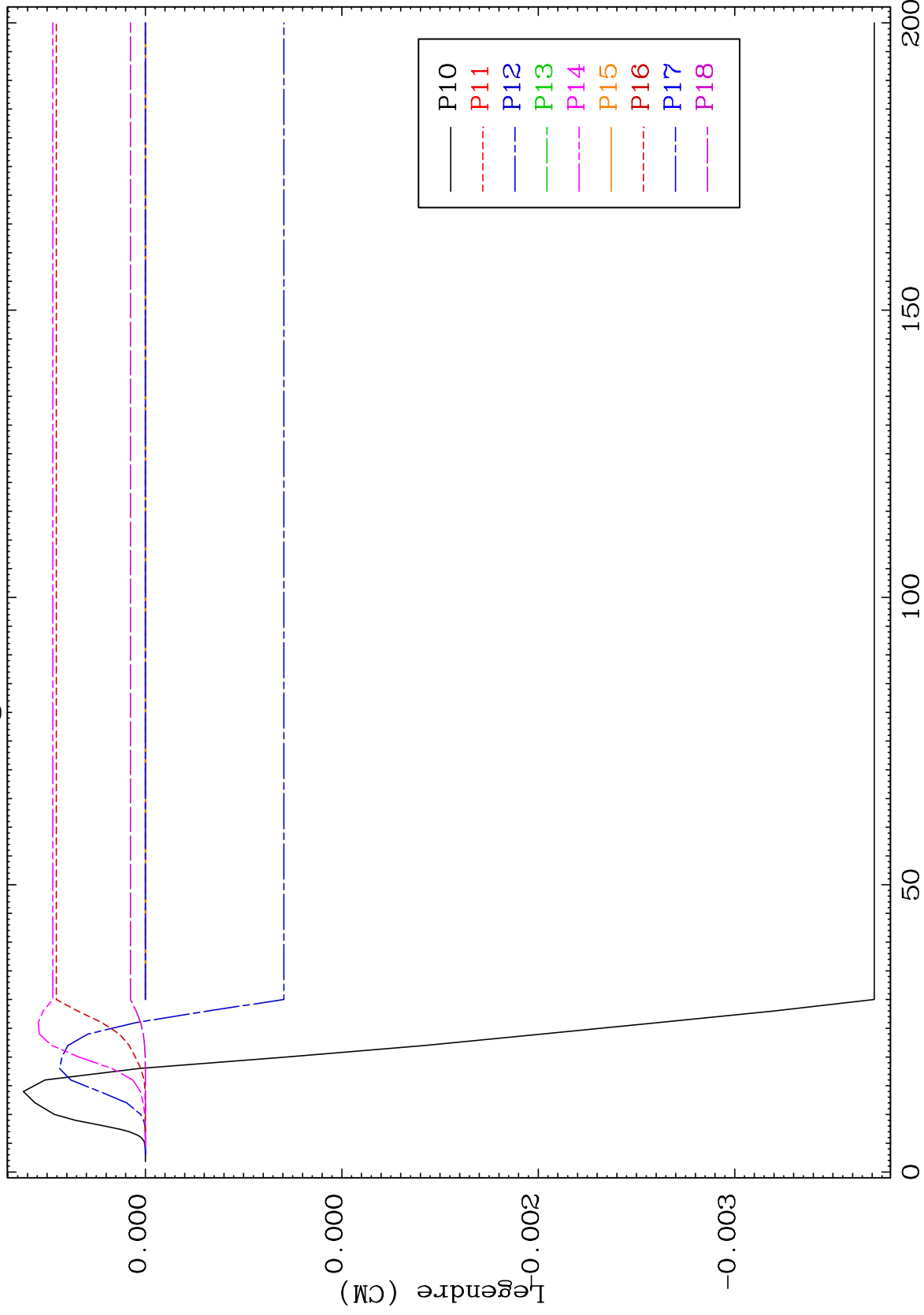
58-Ce-134



MAT 5819

1.383 MeV (n,n') Level
Legendre Coefficients

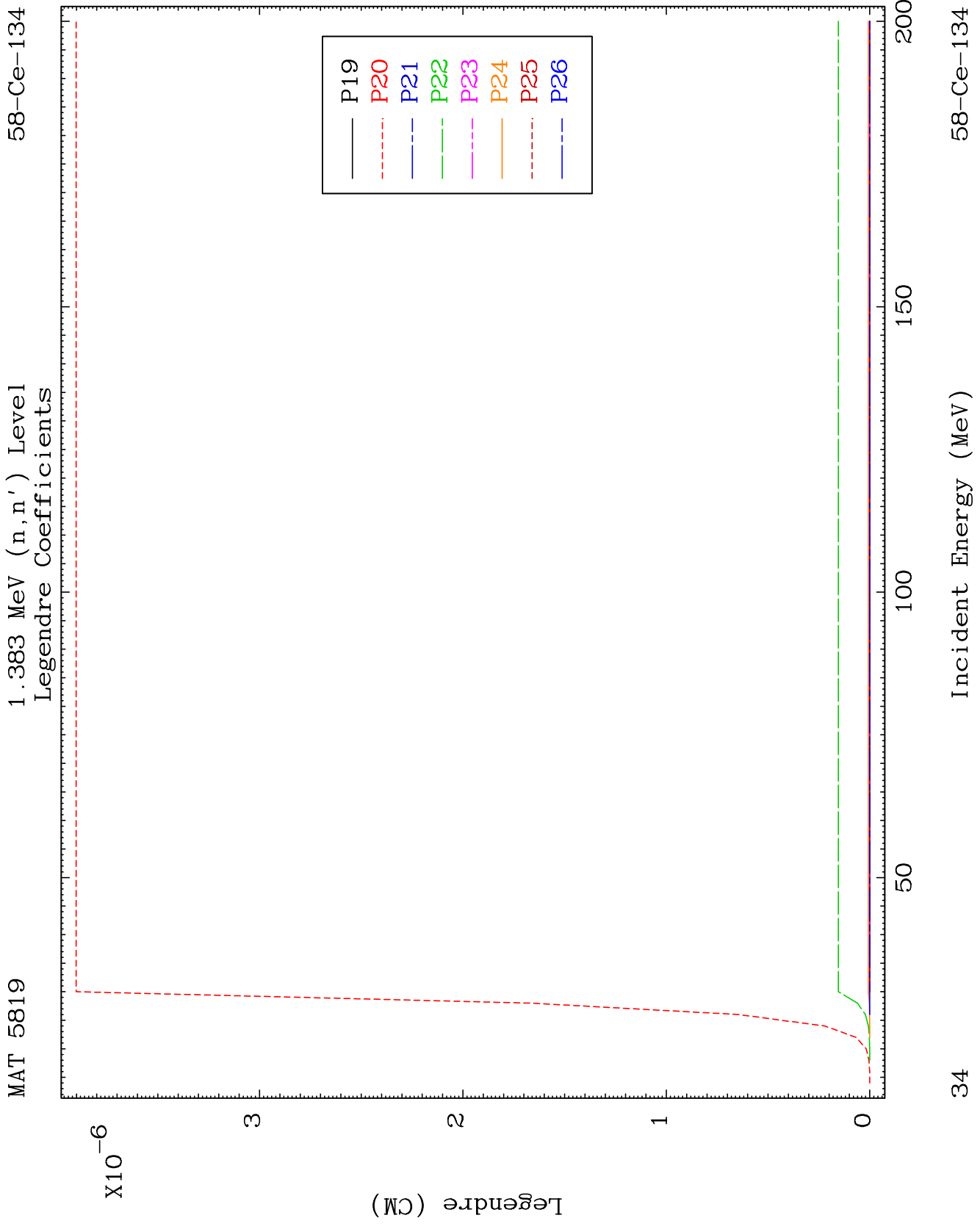
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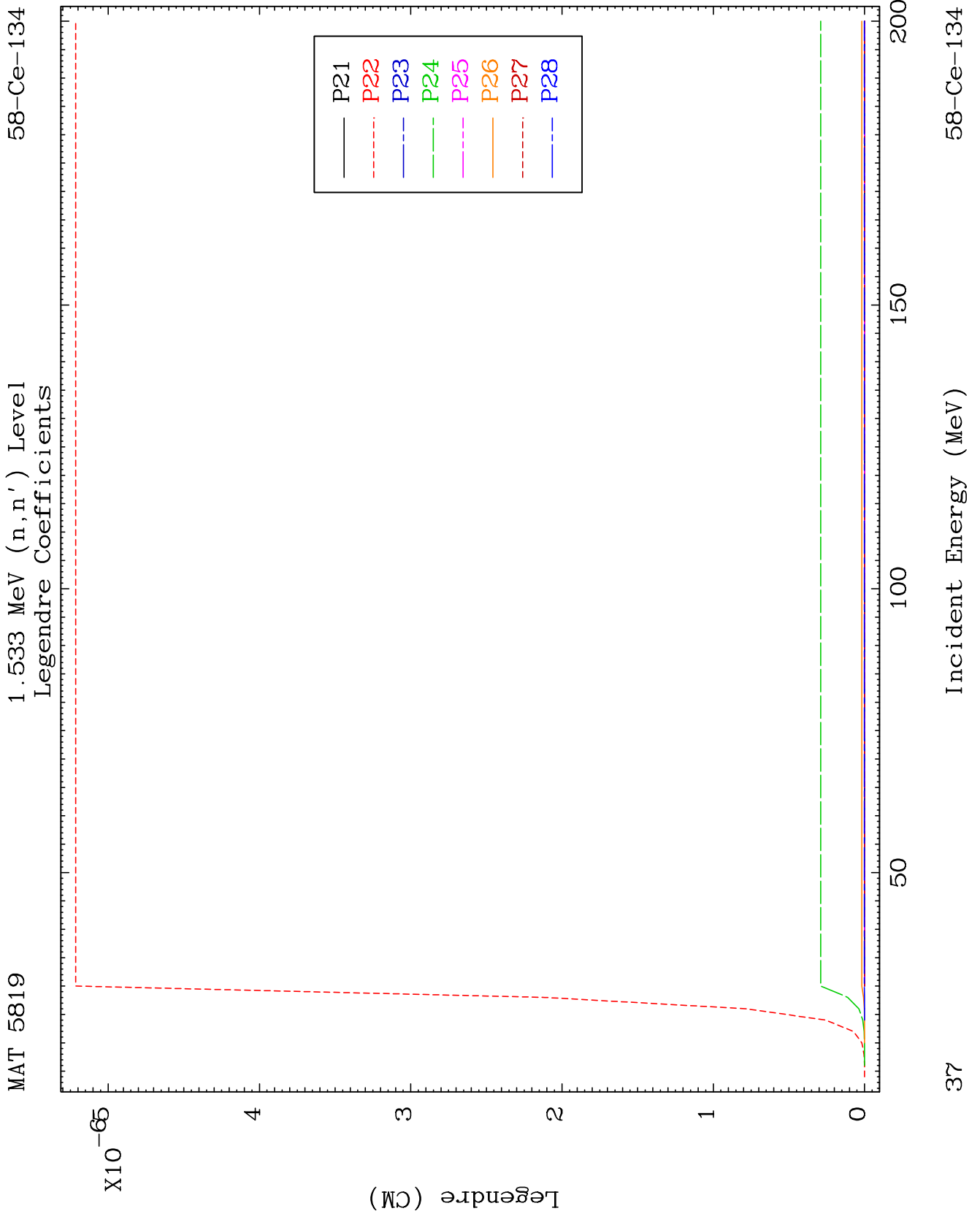


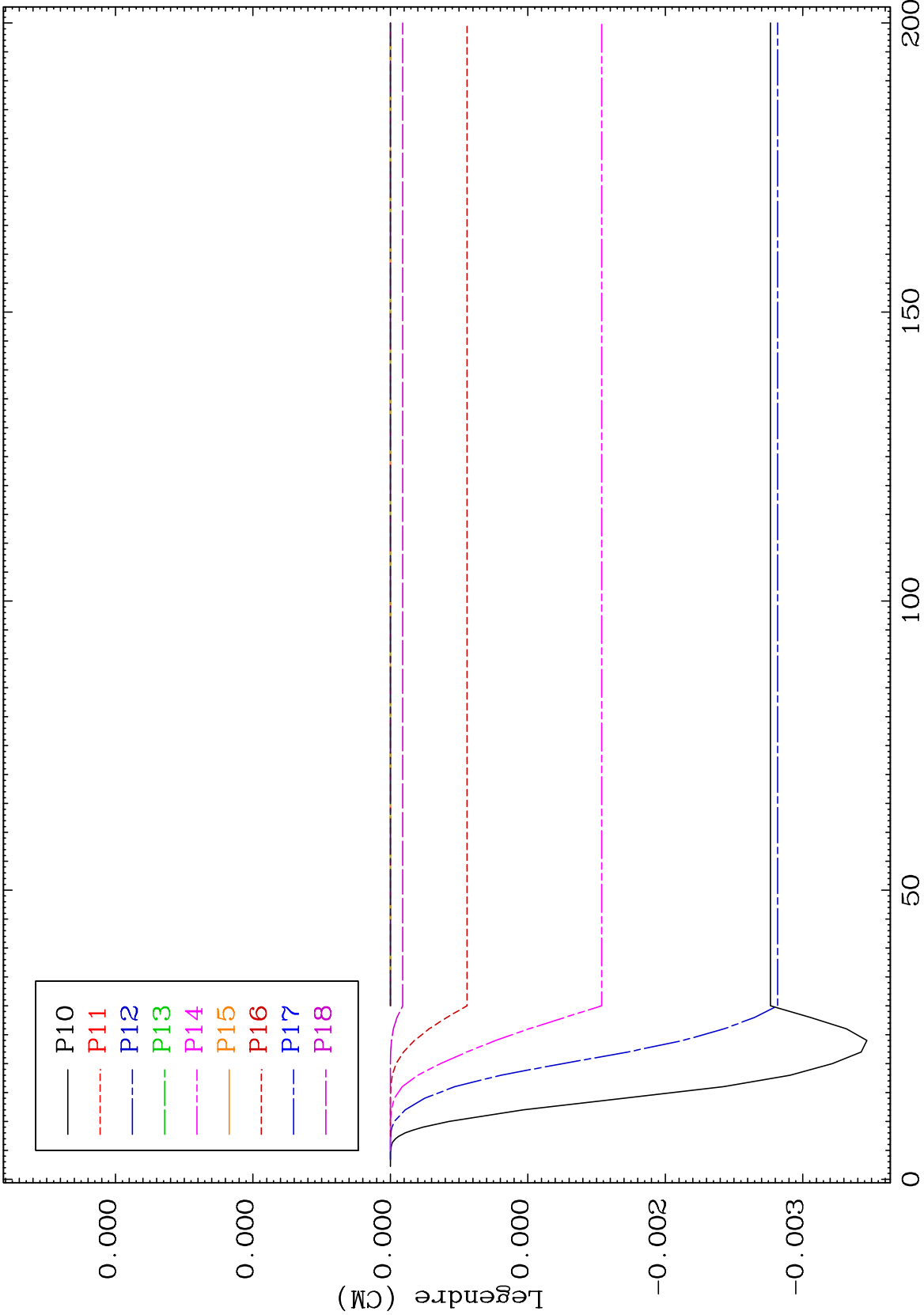
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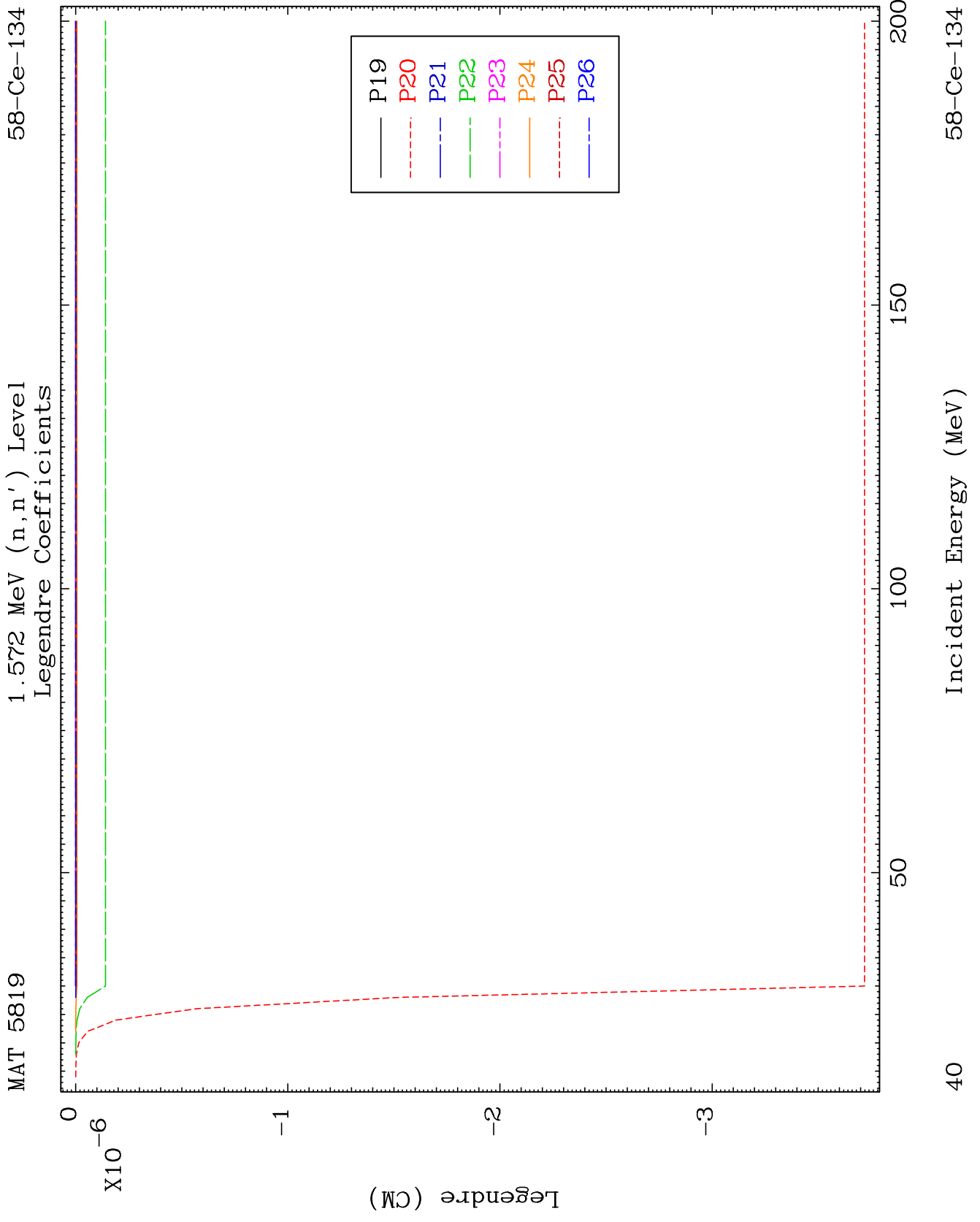
Incident Energy (MeV)

58-Ce-134





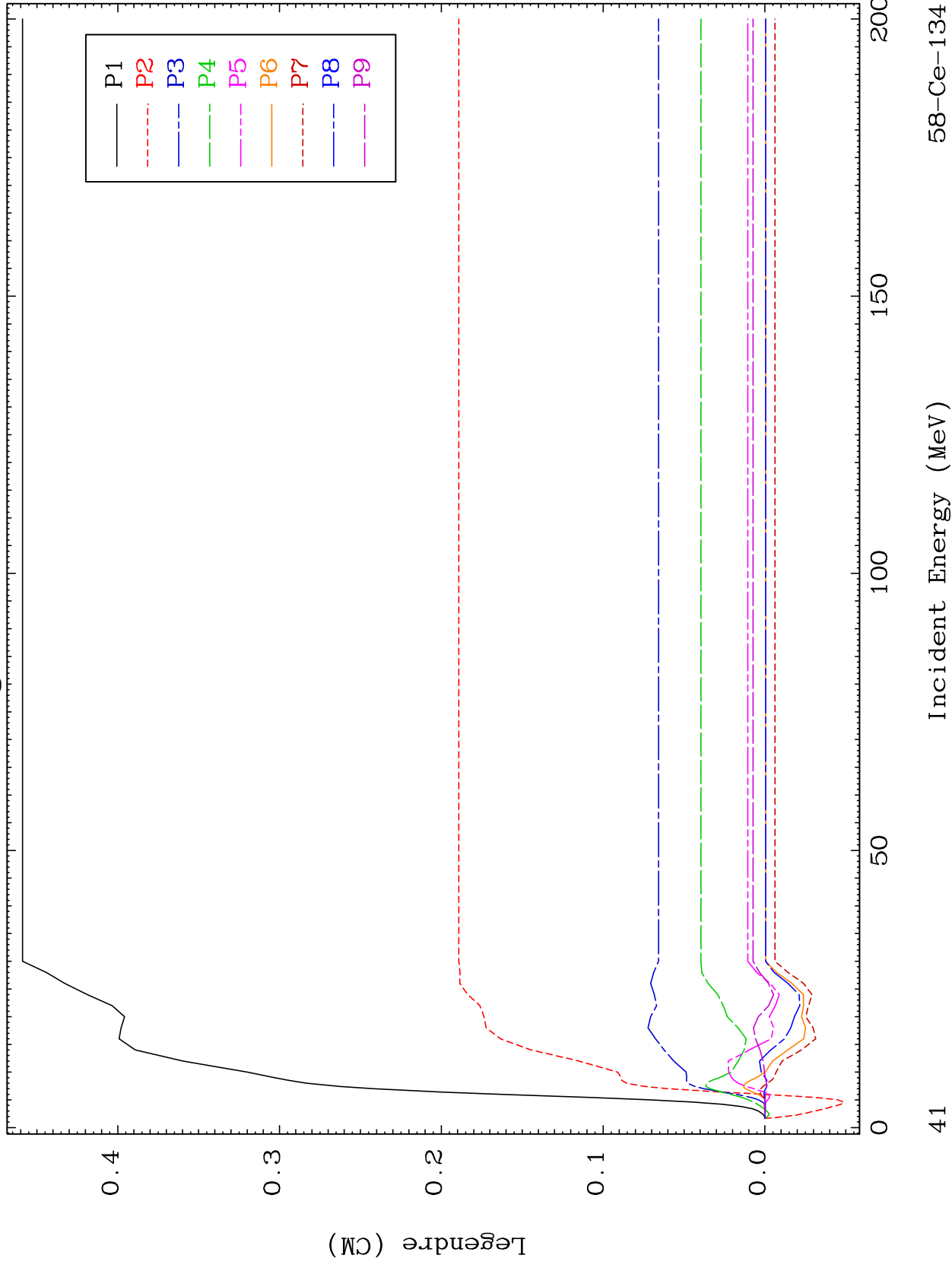




MAT 5819

1.643 MeV (n,n') Level
Legendre Coefficients

58-Ce-134



41

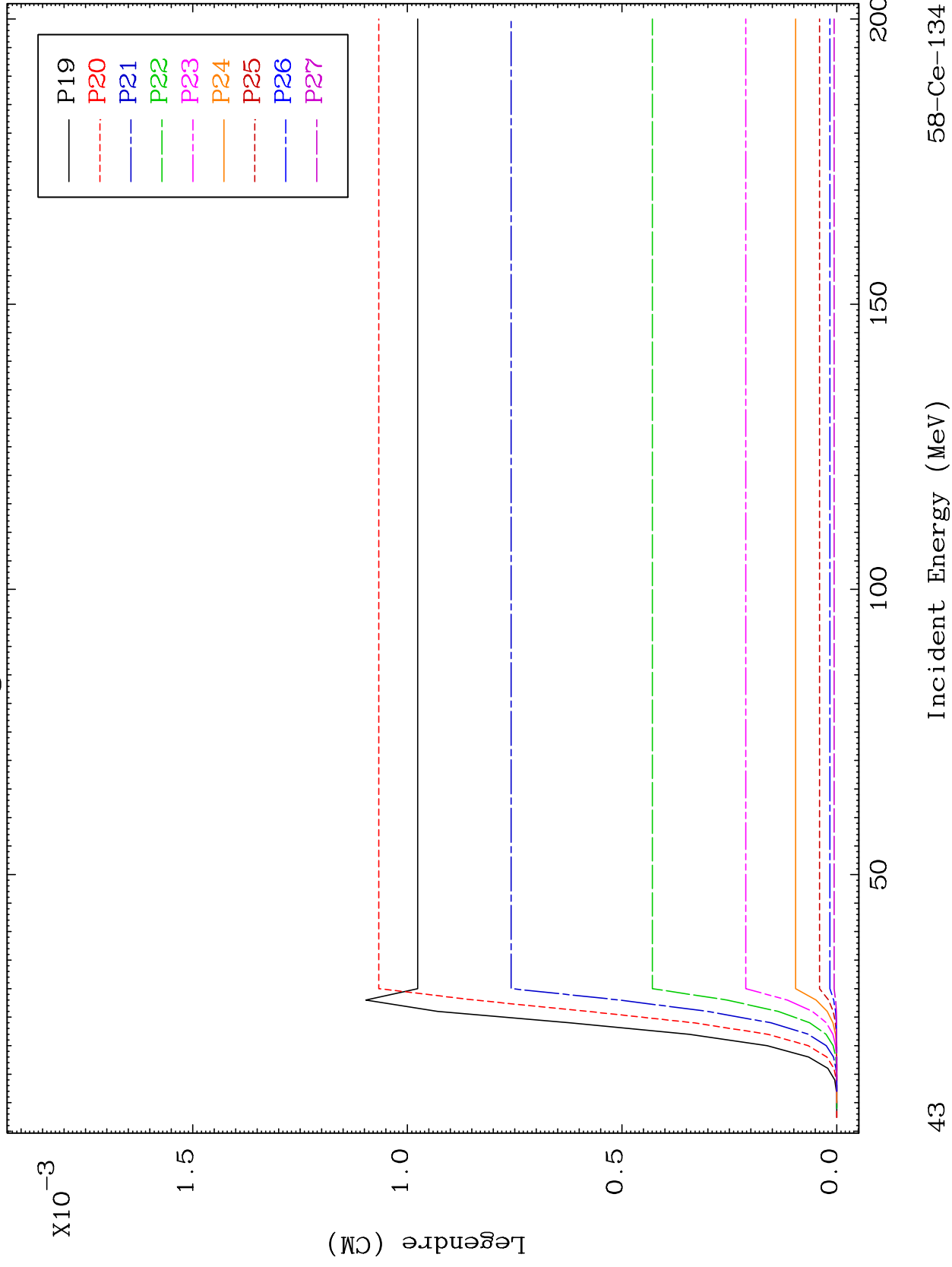
Incident Energy (MeV)

58-Ce-134

MAT 5819

1.643 MeV (n,n') Level
Legendre Coefficients

58-Ce-134



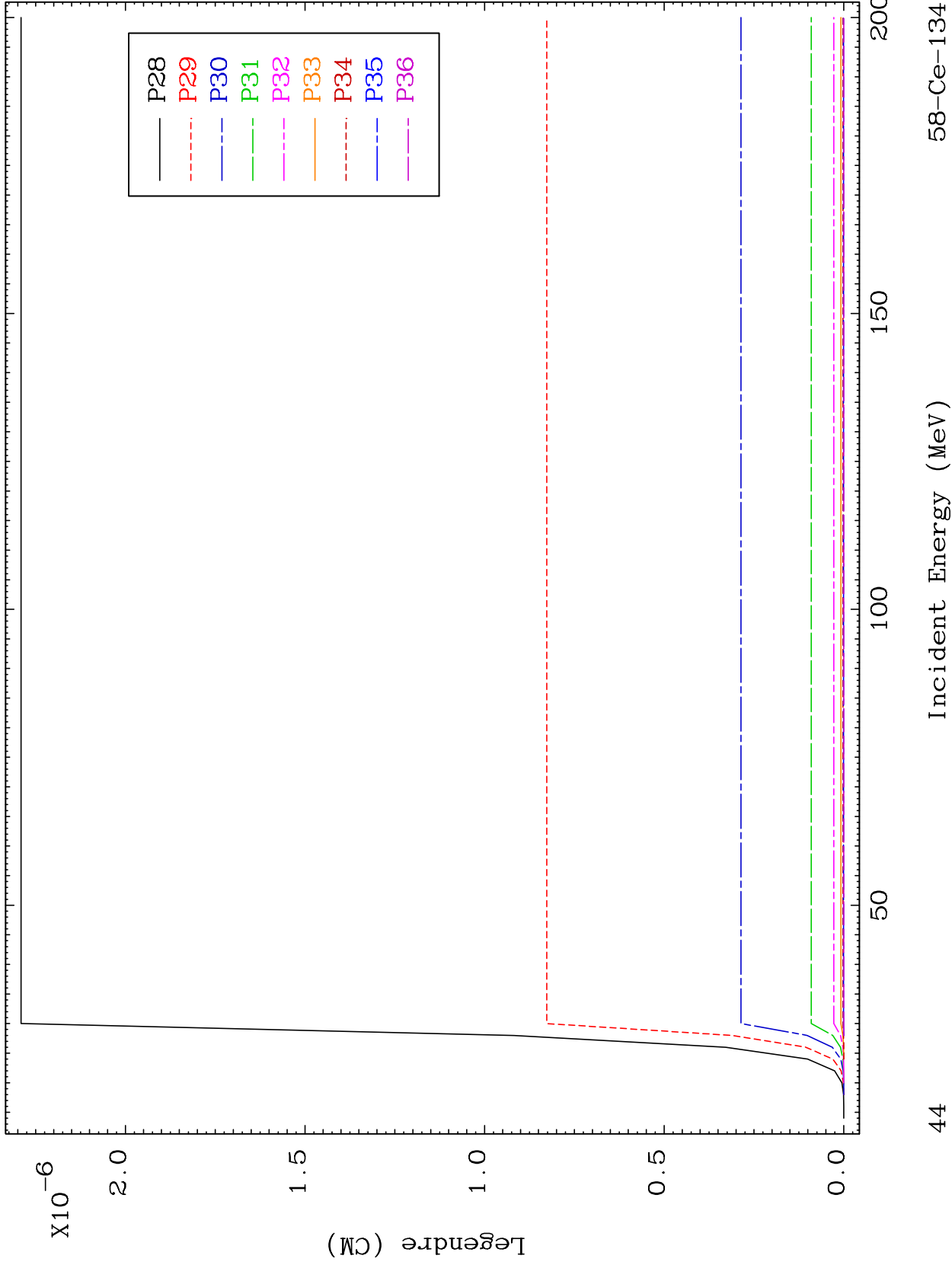
43

58-Ce-134

MAT 5819

1.643 MeV (n,n') Level
Legendre Coefficients

58-Ce-134



44

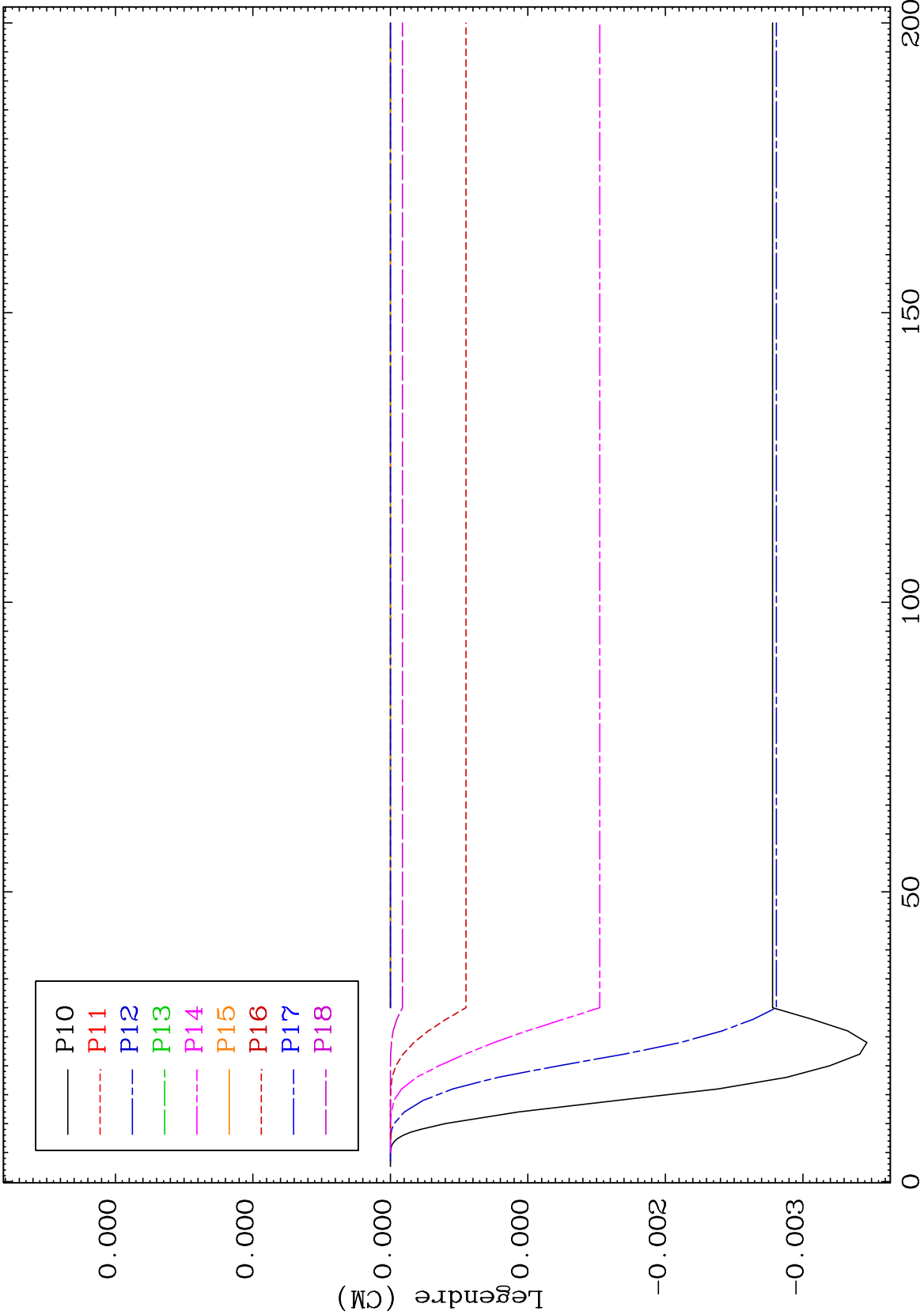
Incident Energy (MeV)

58-Ce-134

MAT 5819

1.775 MeV (n,n') Level
Legendre Coefficients

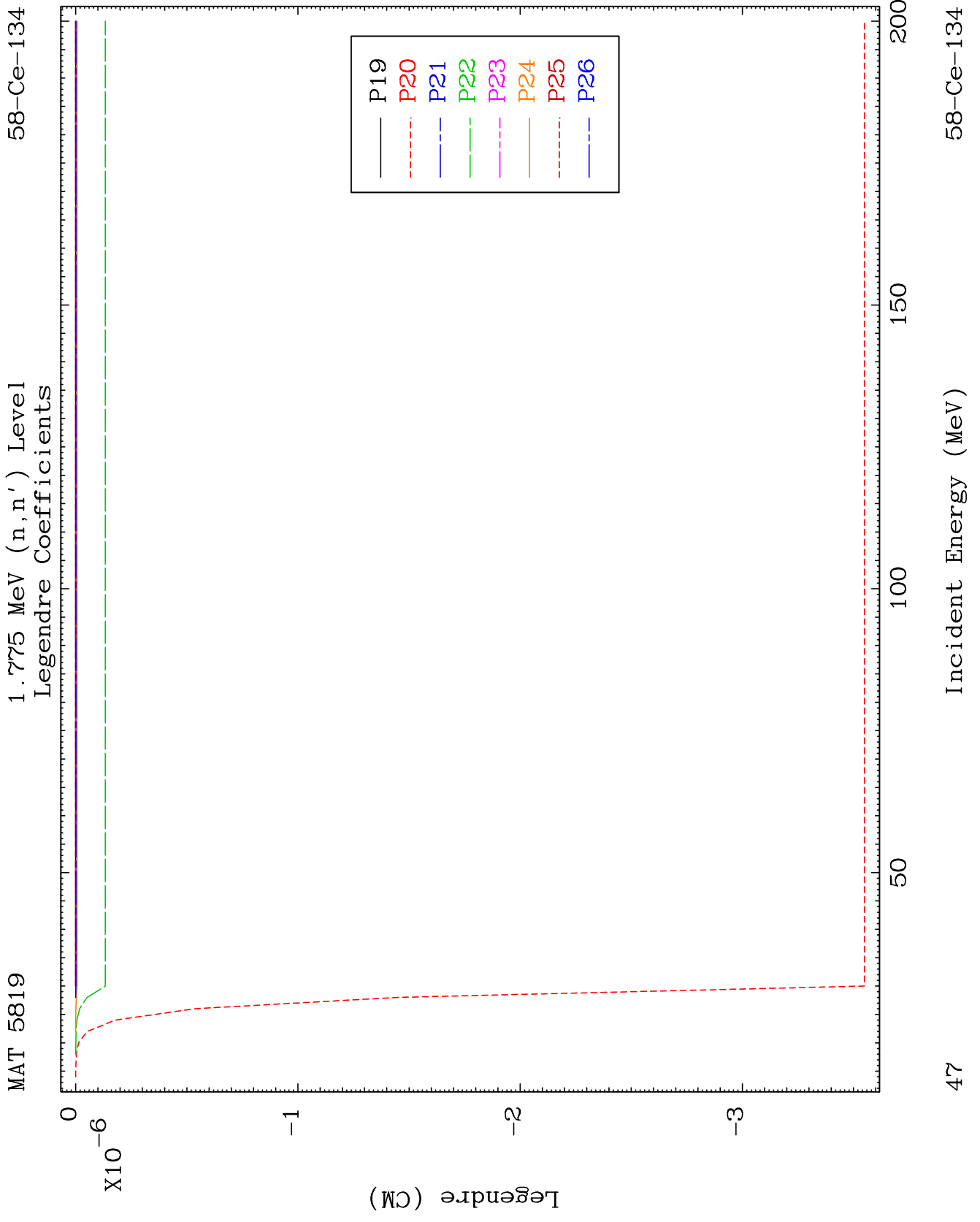
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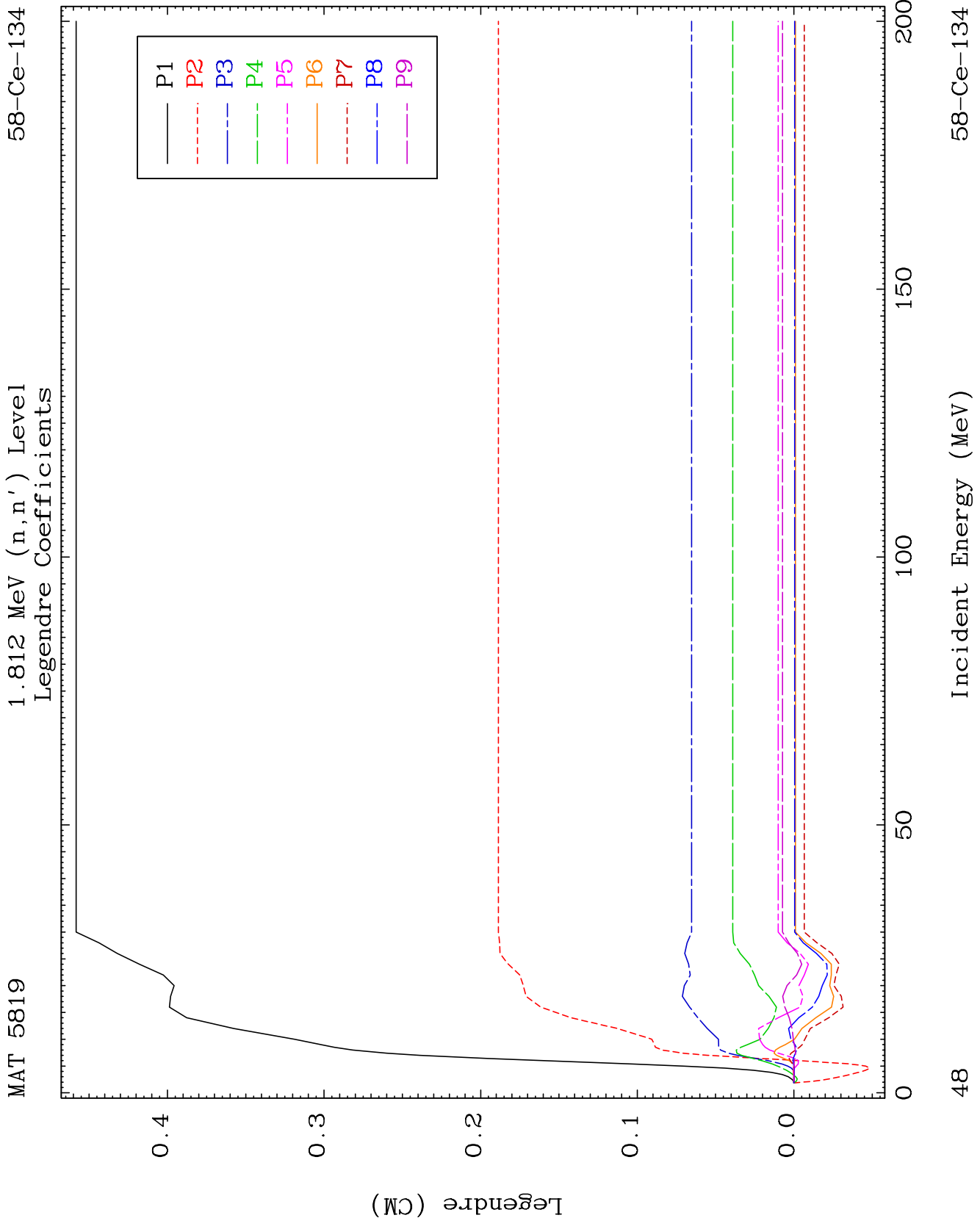


46

Incident Energy (MeV)

58-Ce-134

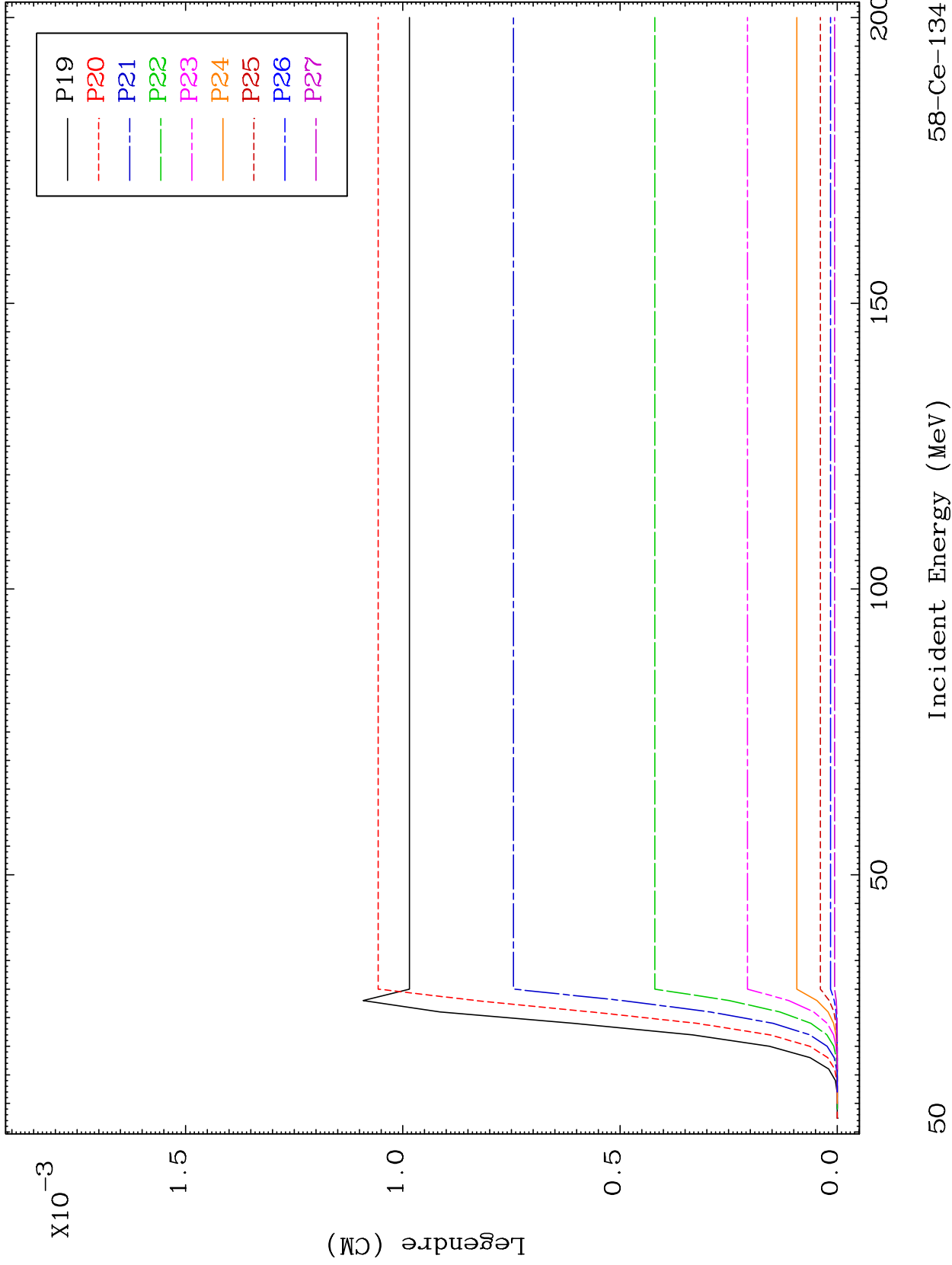




MAT 5819

1.812 MeV (n,n') Level
Legendre Coefficients

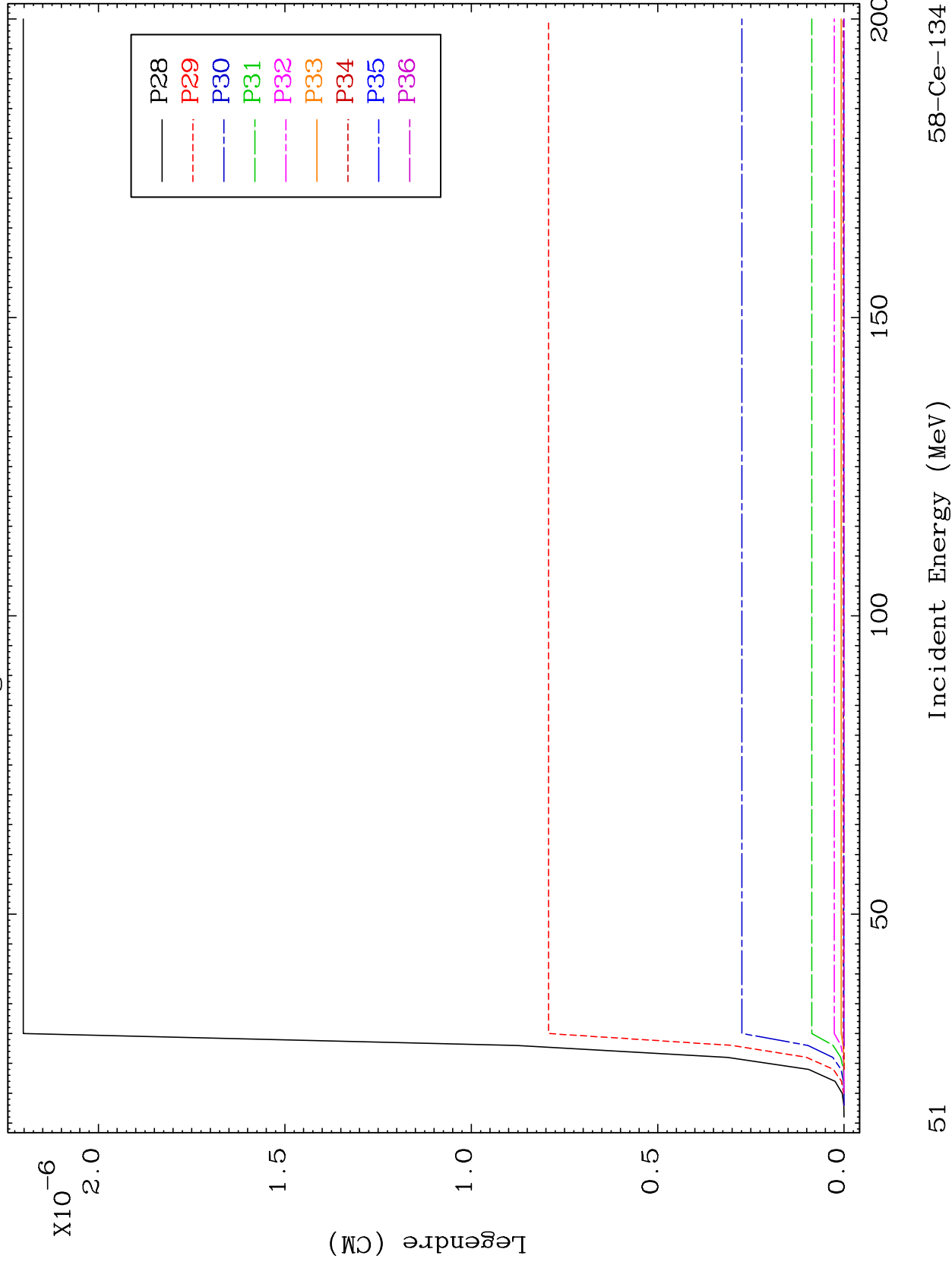
58-Ce-134



MAT 5819

1.812 MeV (n,n') Level
Legendre Coefficients

58-Ce-134



51

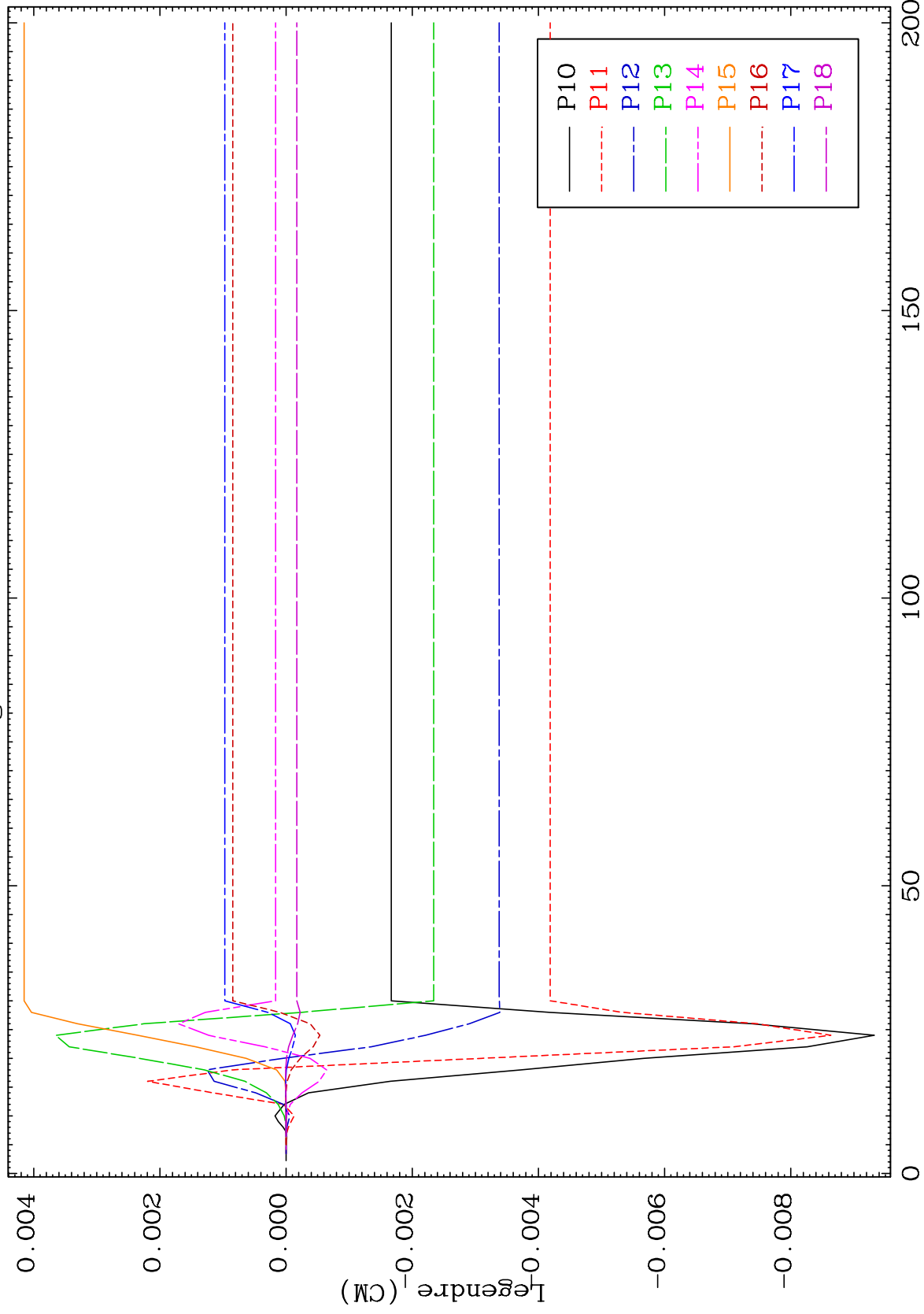
Incident Energy (MeV)

58-Ce-134

MAT 5819

1.863 MeV (n,n') Level
Legendre Coefficients

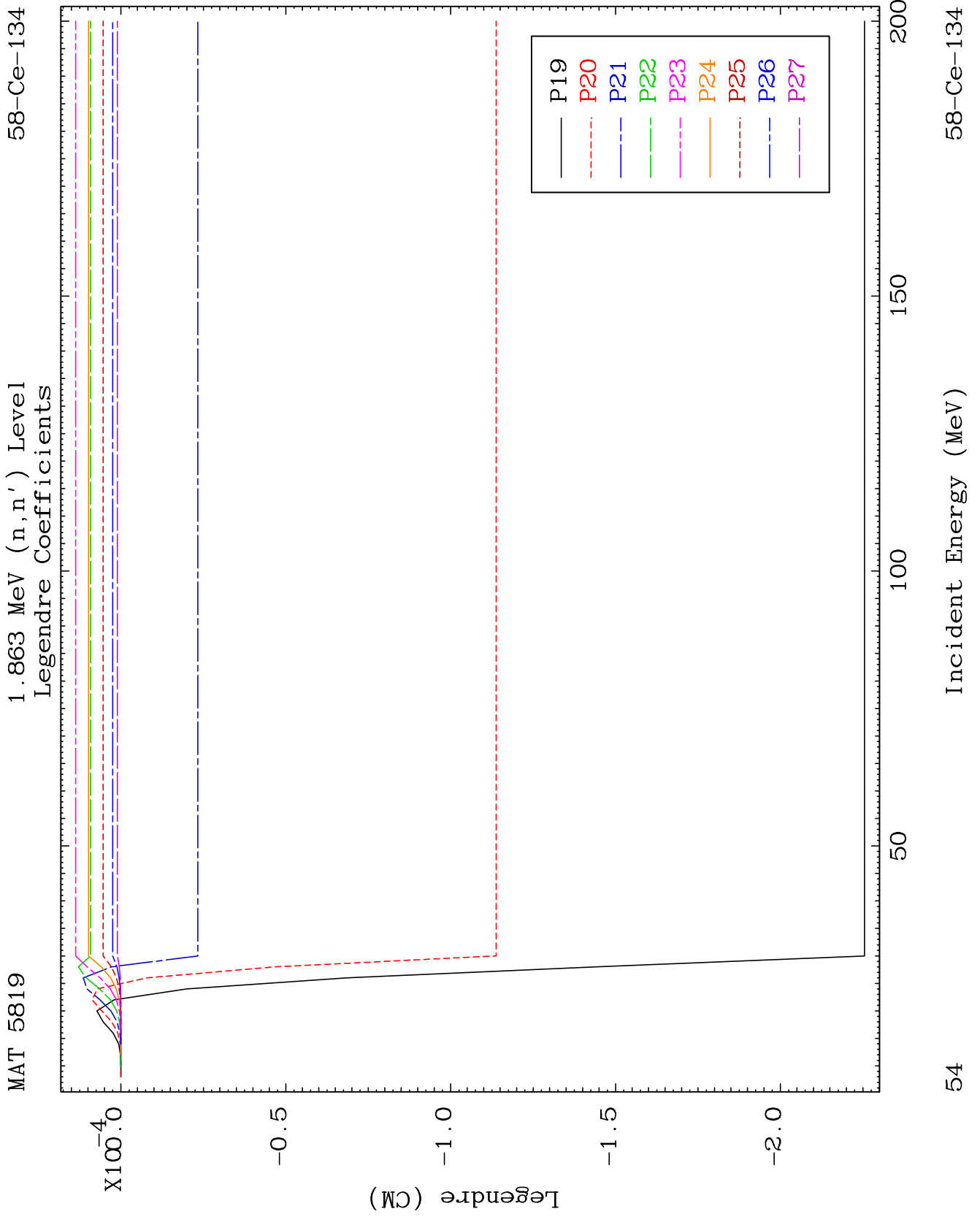
58-Ce-134



53

Incident Energy (MeV)

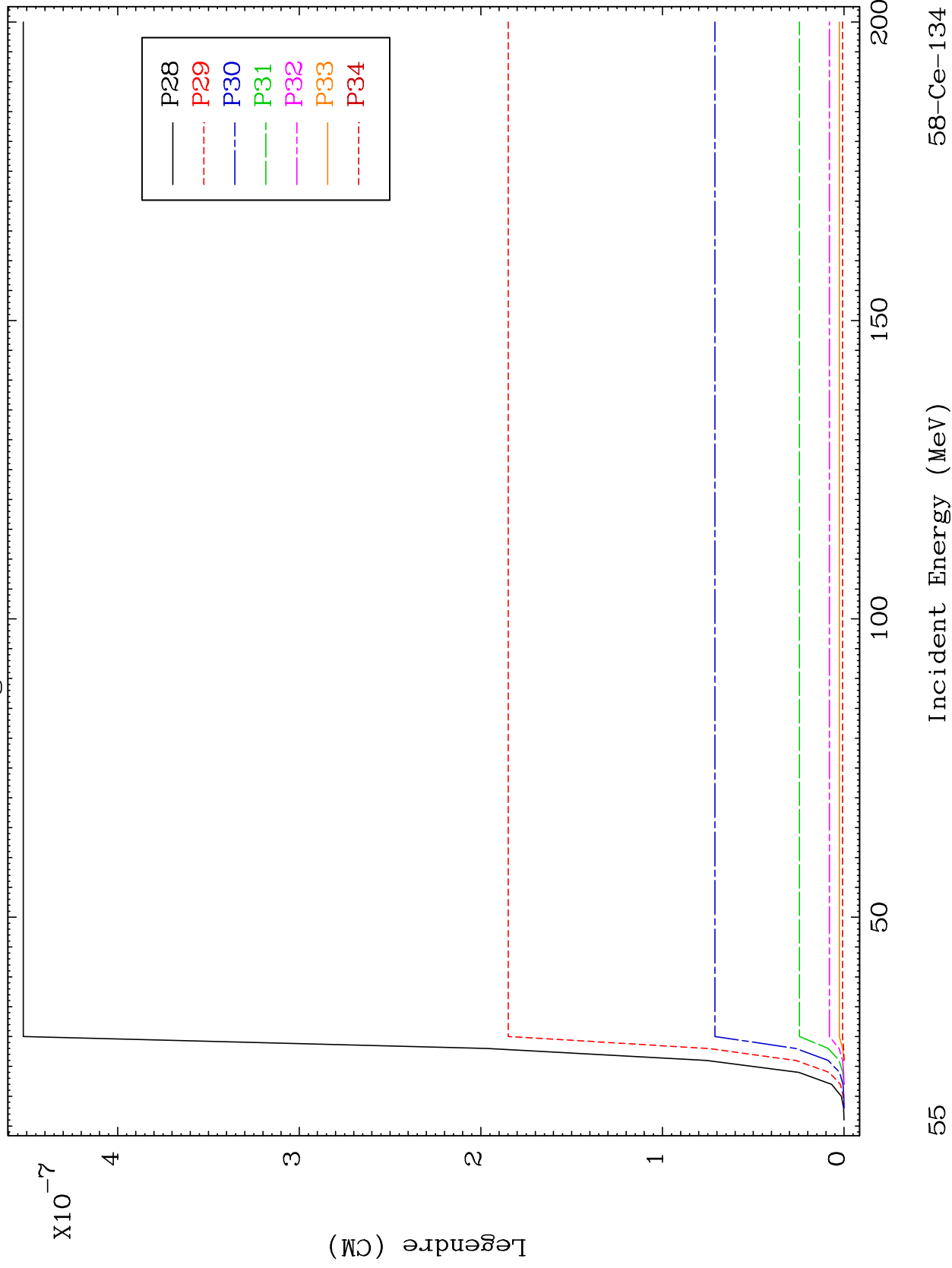
58-Ce-134



MAT 5819

1.863 MeV (n,n') Level
Legendre Coefficients

58-Ce-134



58-Ce-134

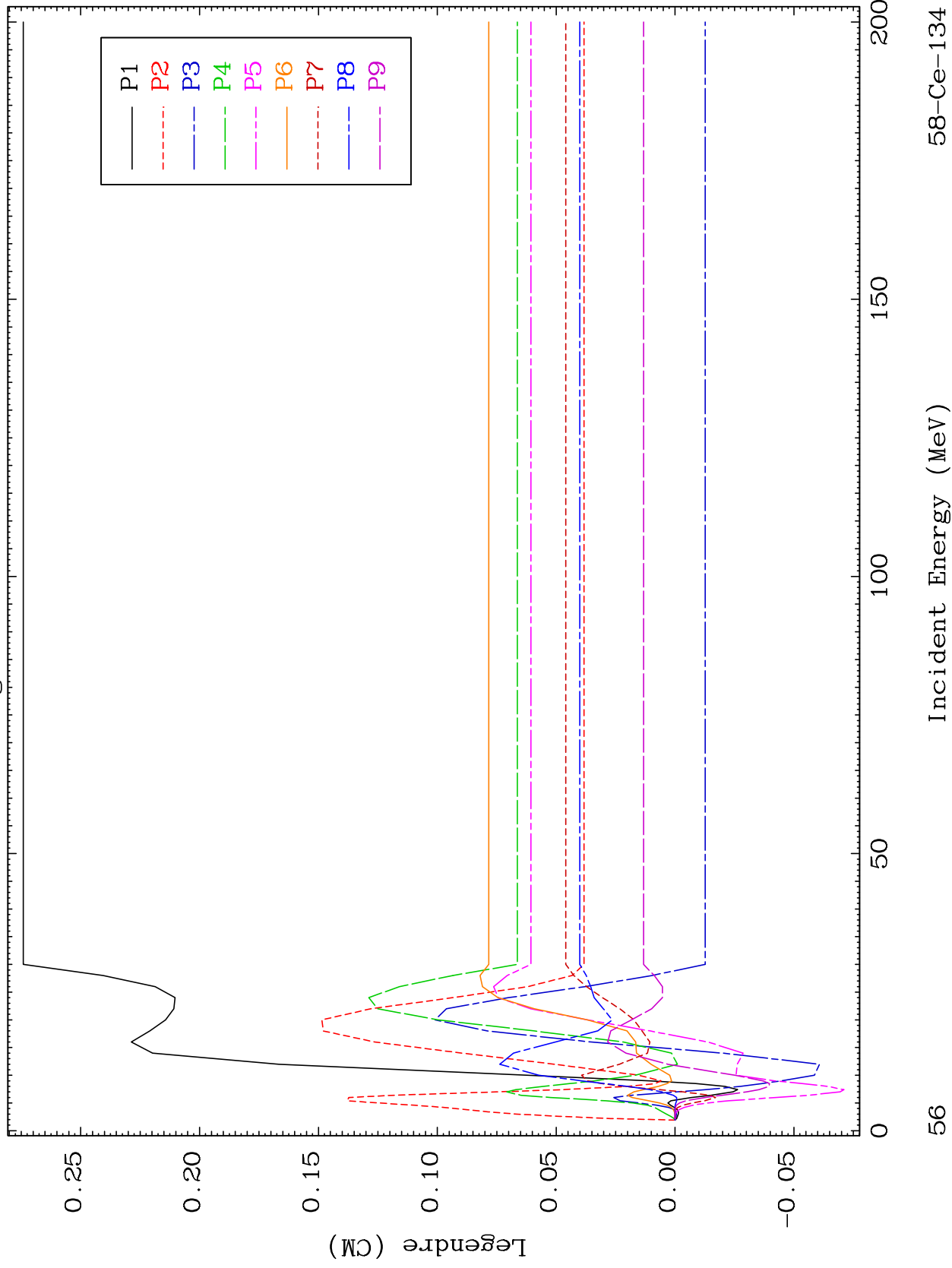
Incident Energy (MeV)

55

MAT 5819

1.904 MeV (n,n') Level
Legendre Coefficients

58-Ce-134



58-Ce-134

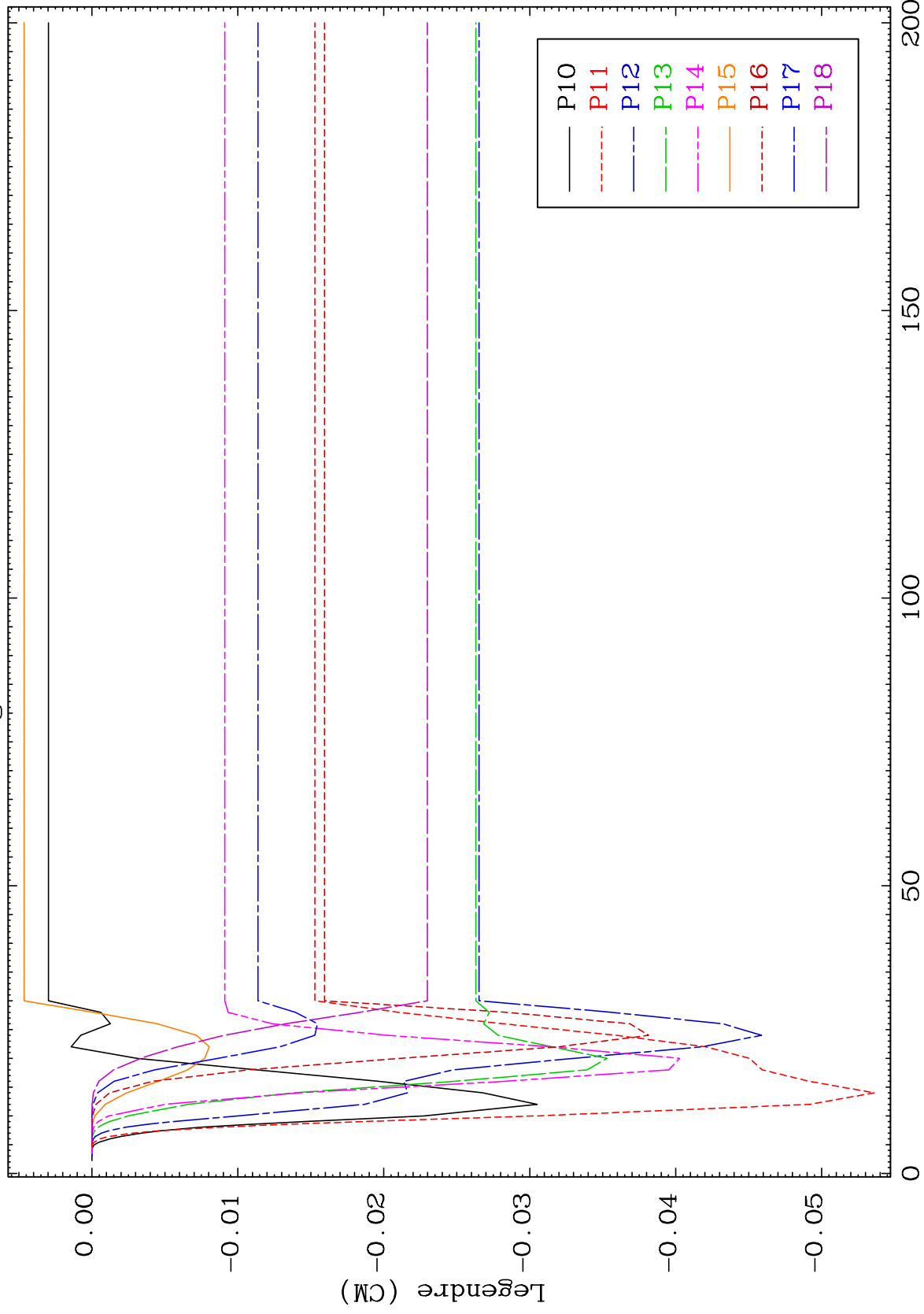
Incident Energy (MeV)

56

MAT 5819

1.904 MeV (n,n') Level
Legendre Coefficients

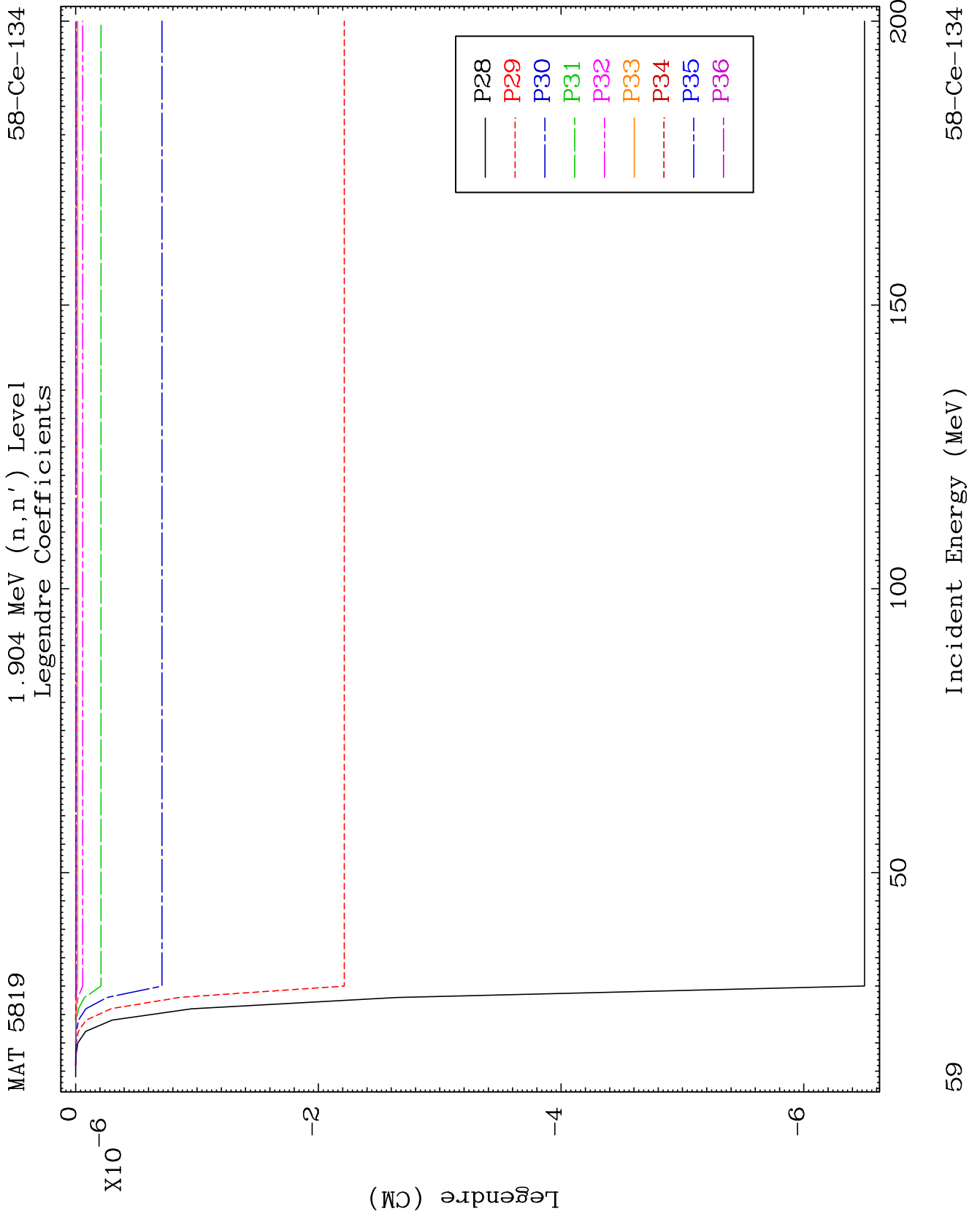
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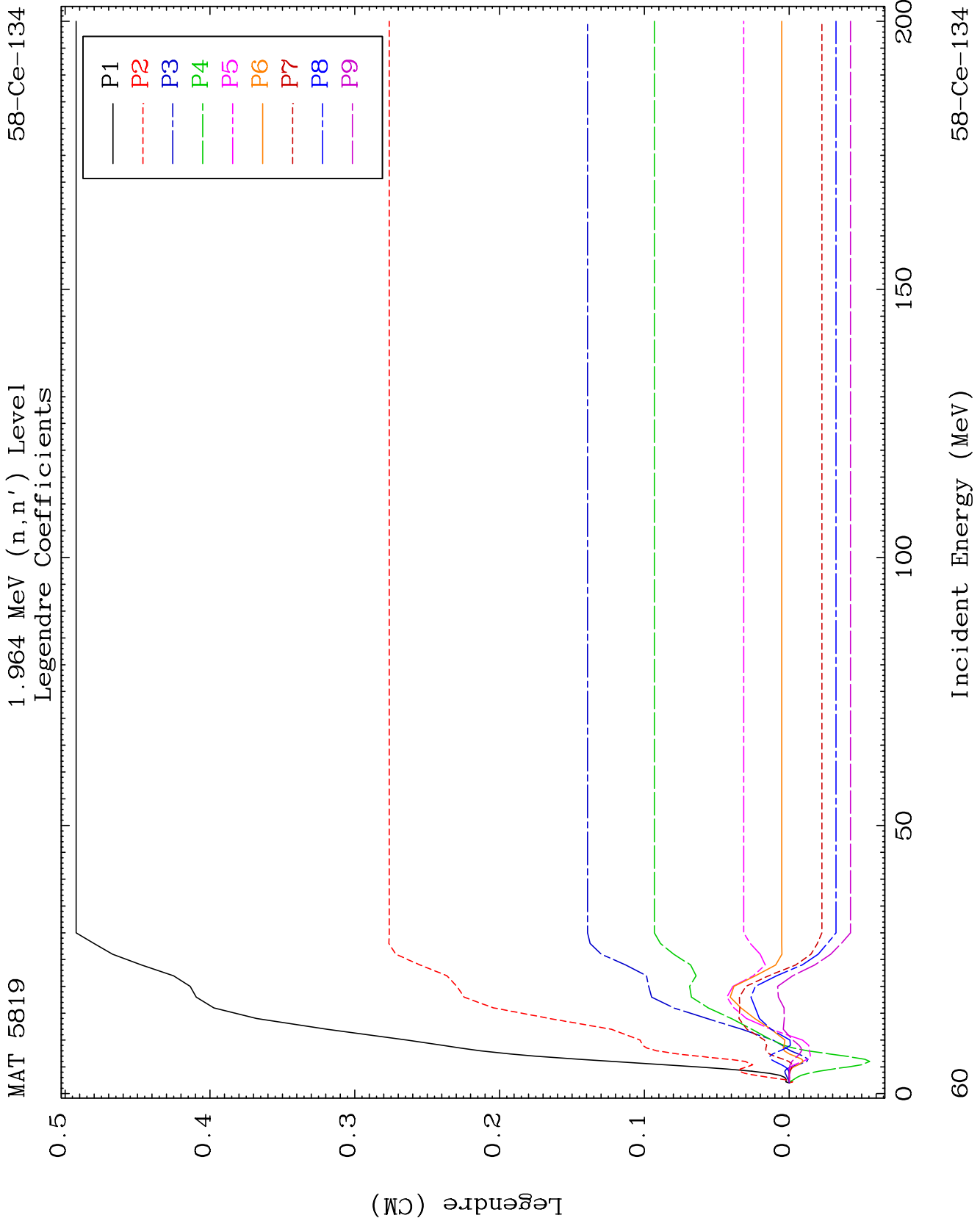


57

Incident Energy (MeV)

58-Ce-134

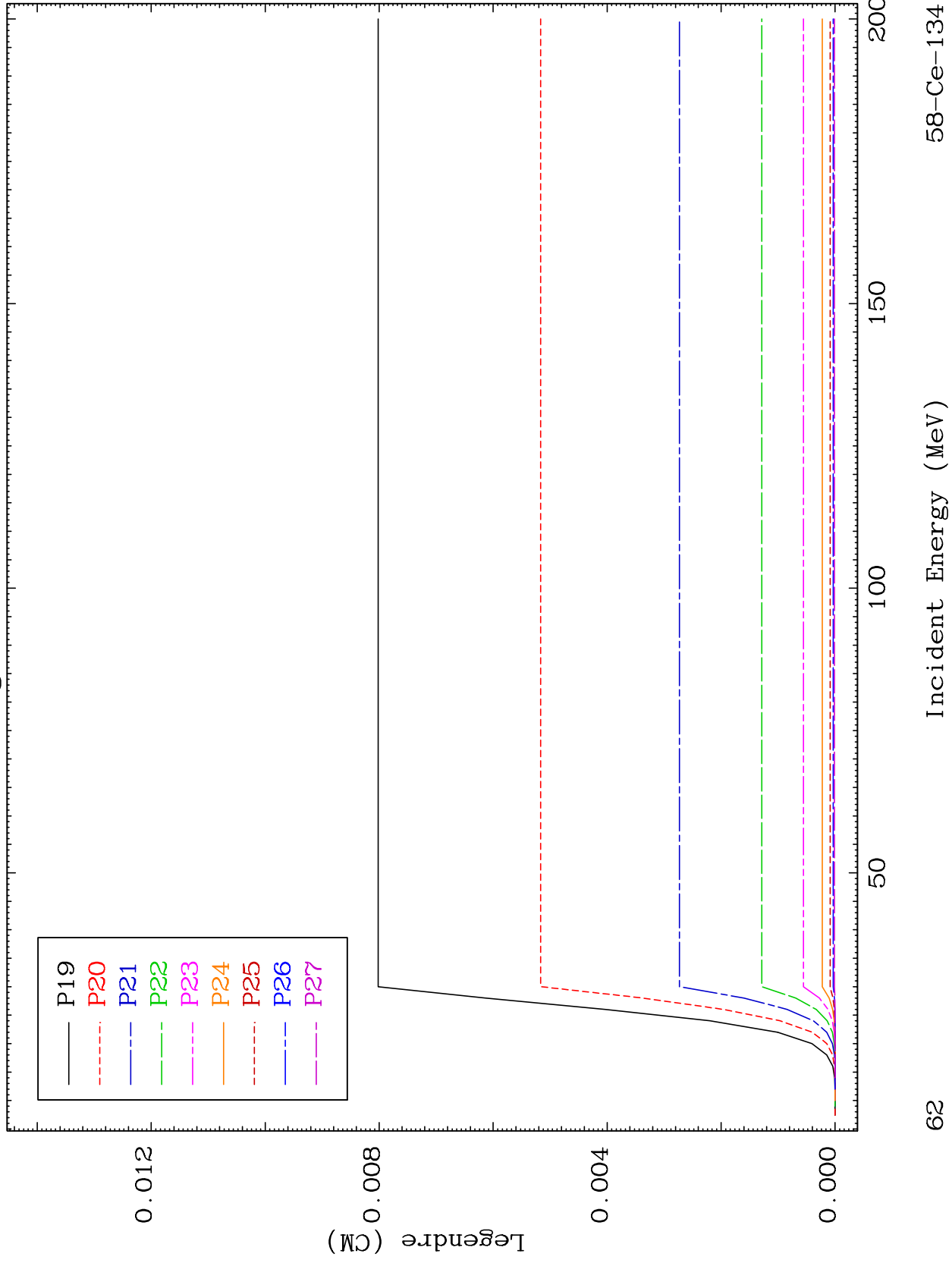




MAT 5819

1.964 MeV (n,n') Level
Legendre Coefficients

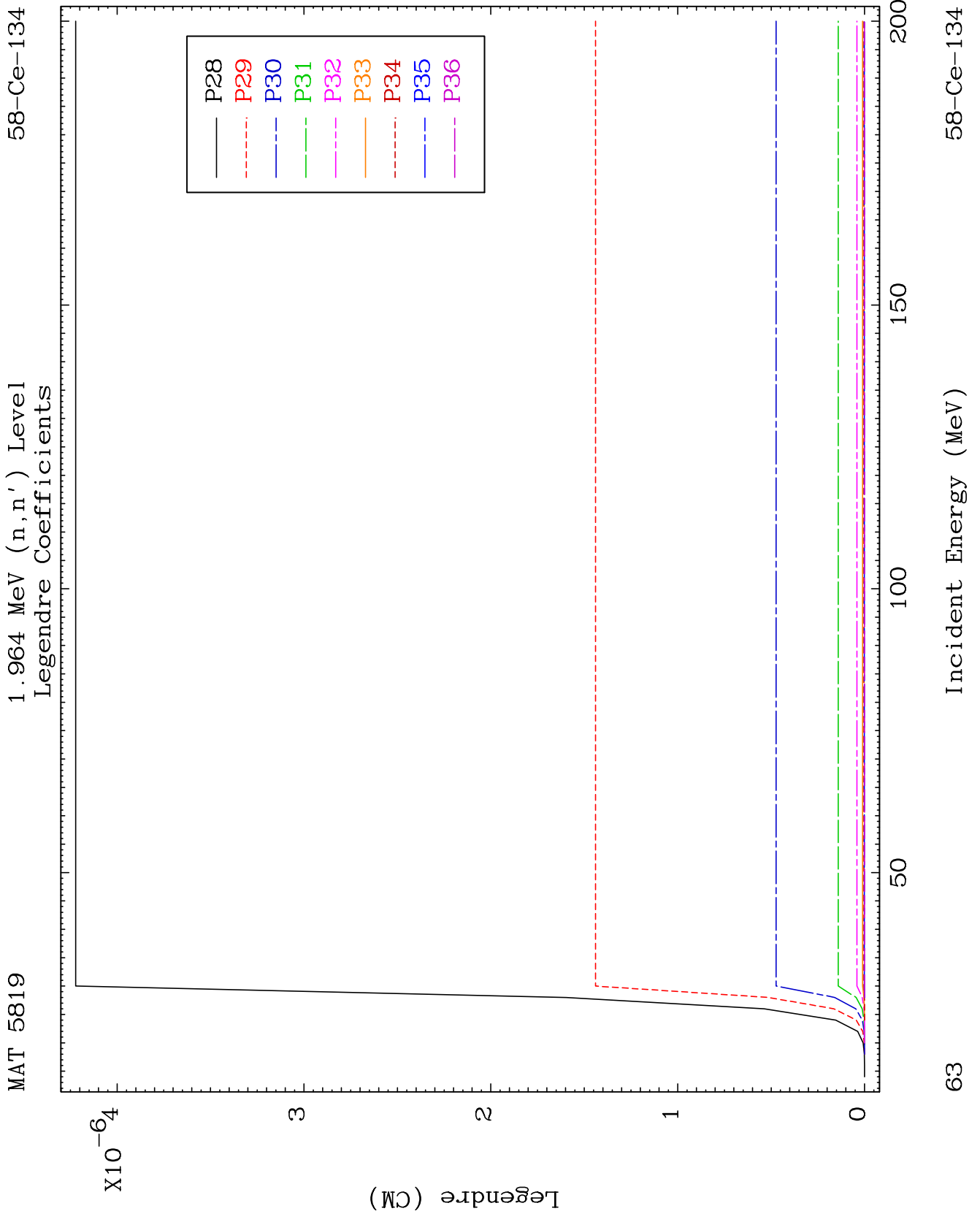
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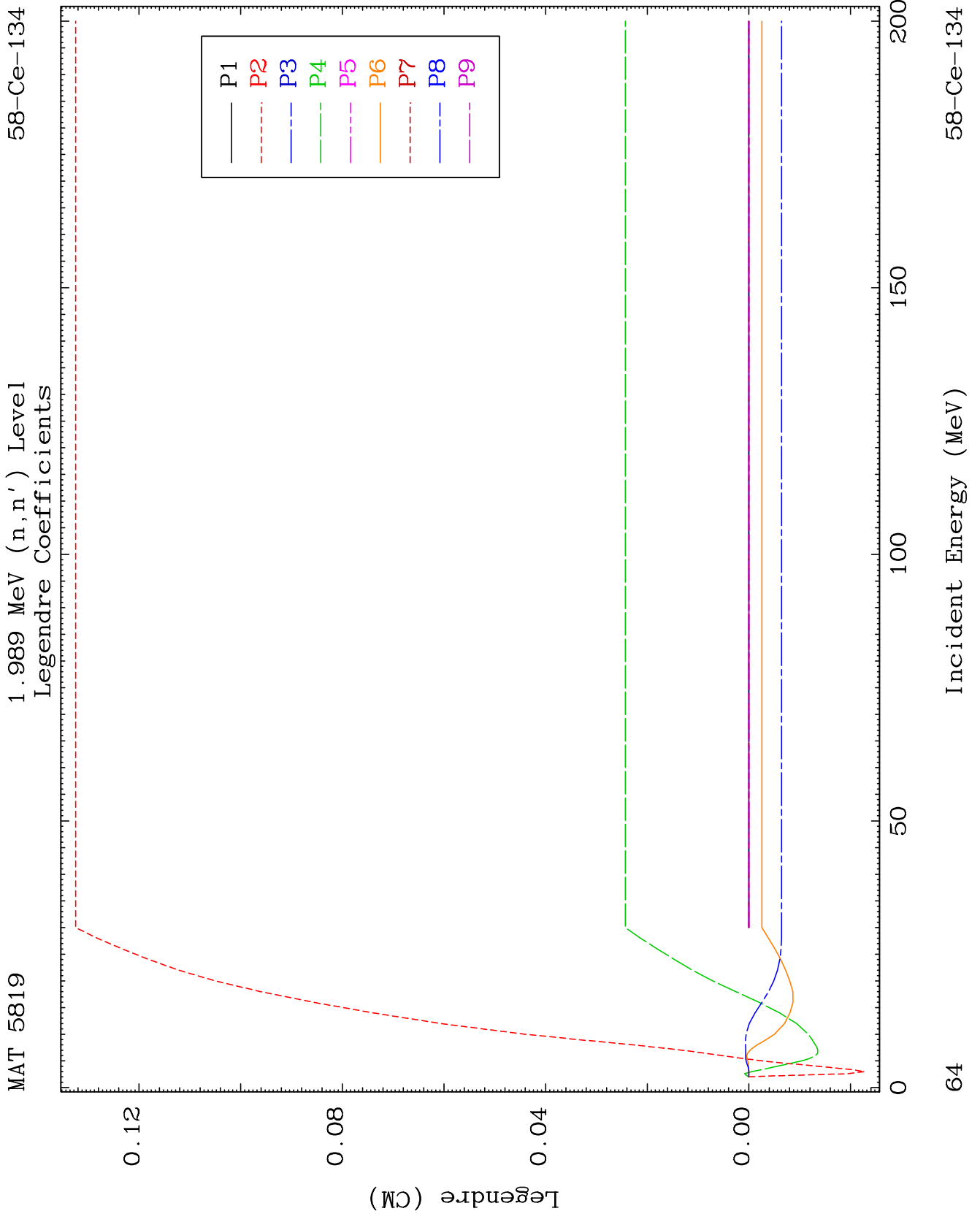


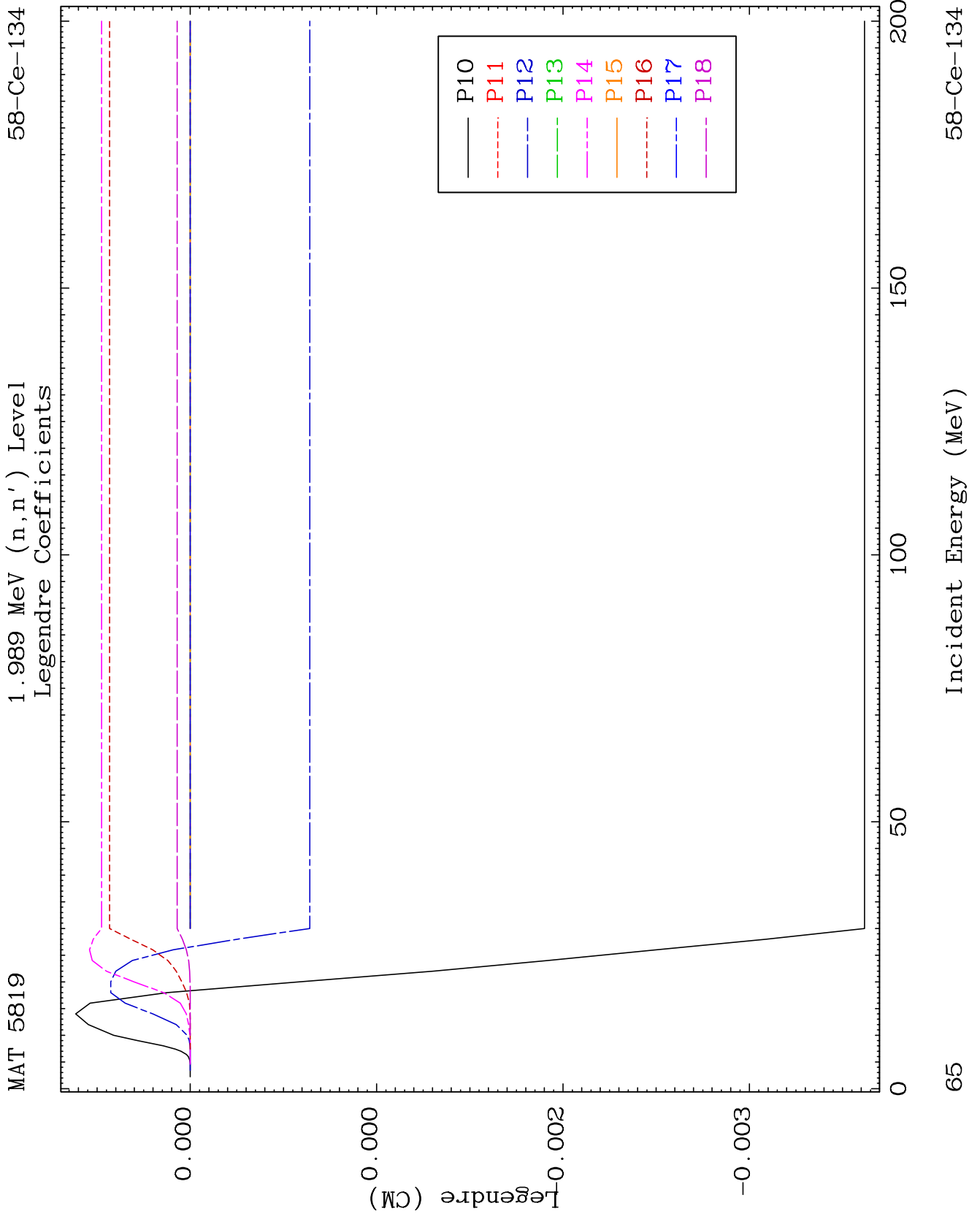
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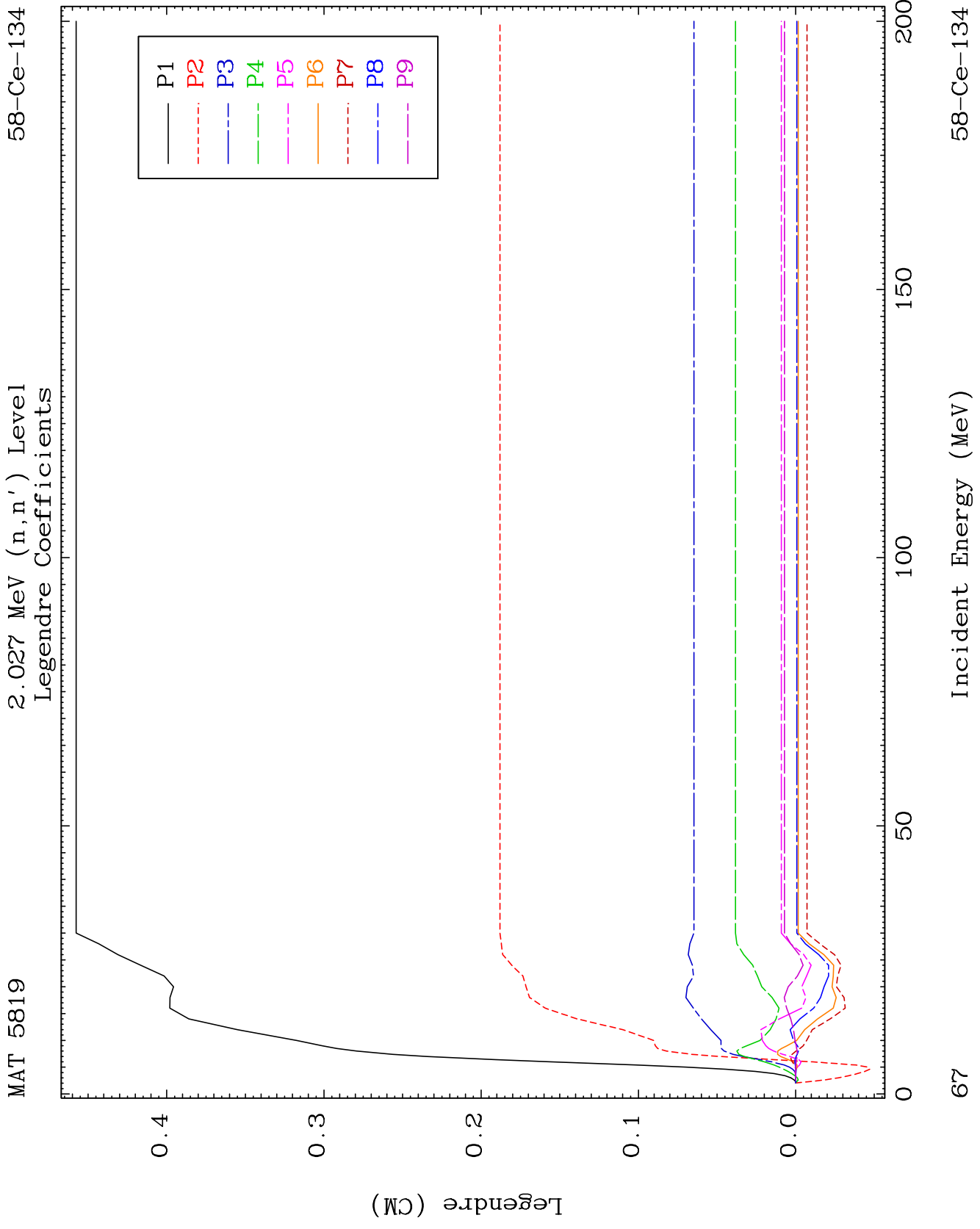
Incident Energy (MeV)

58-Ce-134





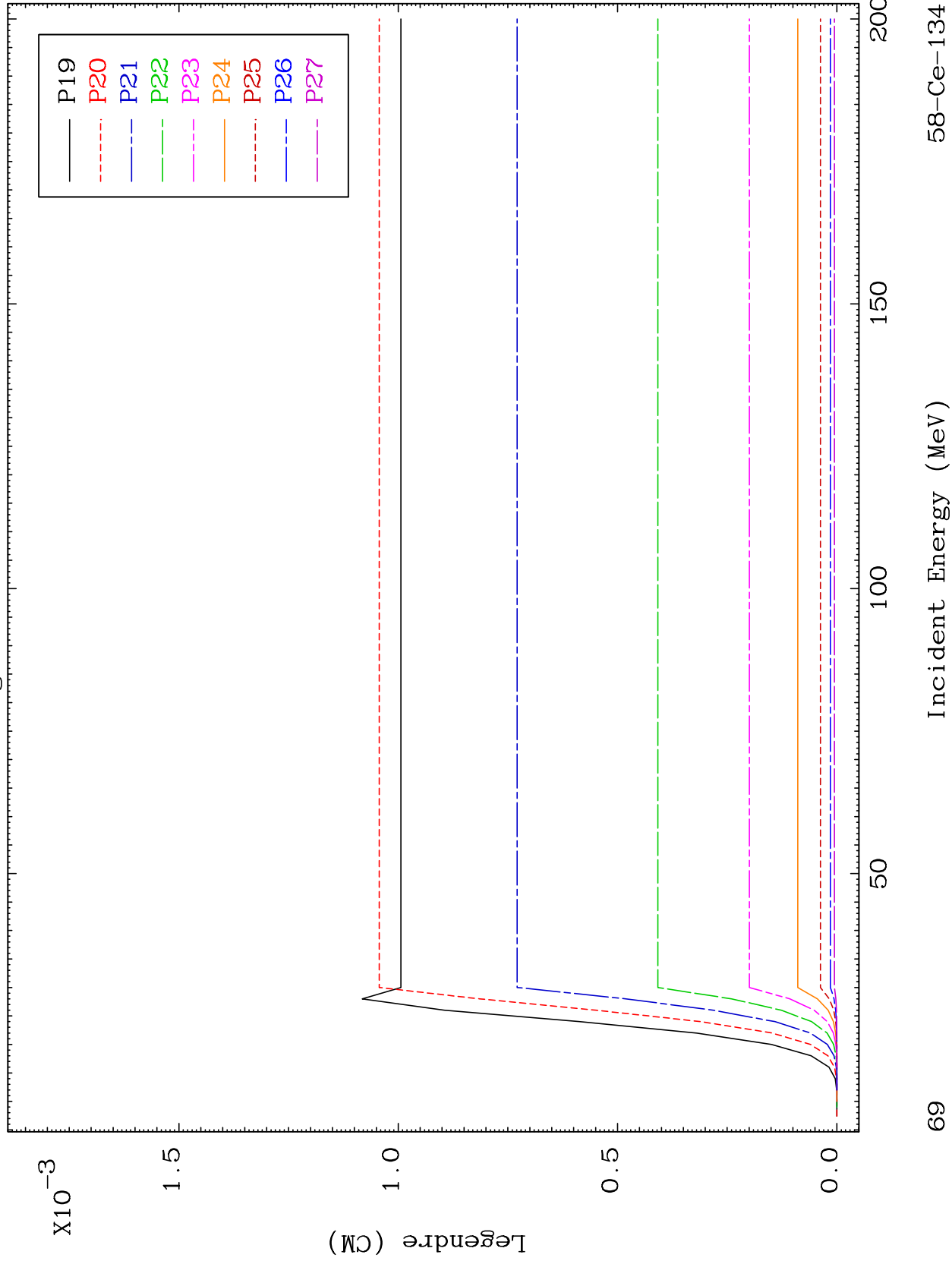




MAT 5819

2.027 MeV (n,n') Level
Legendre Coefficients

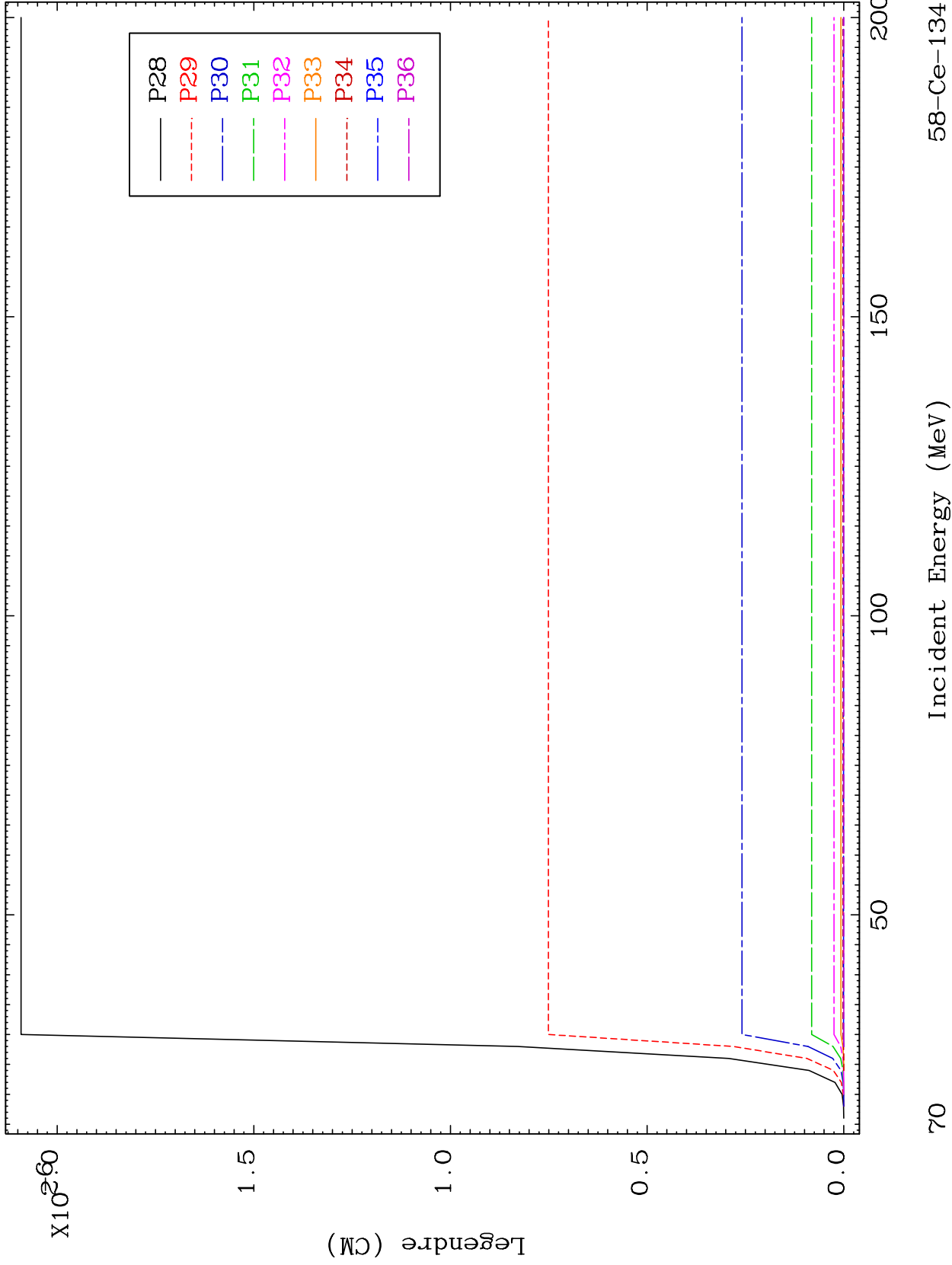
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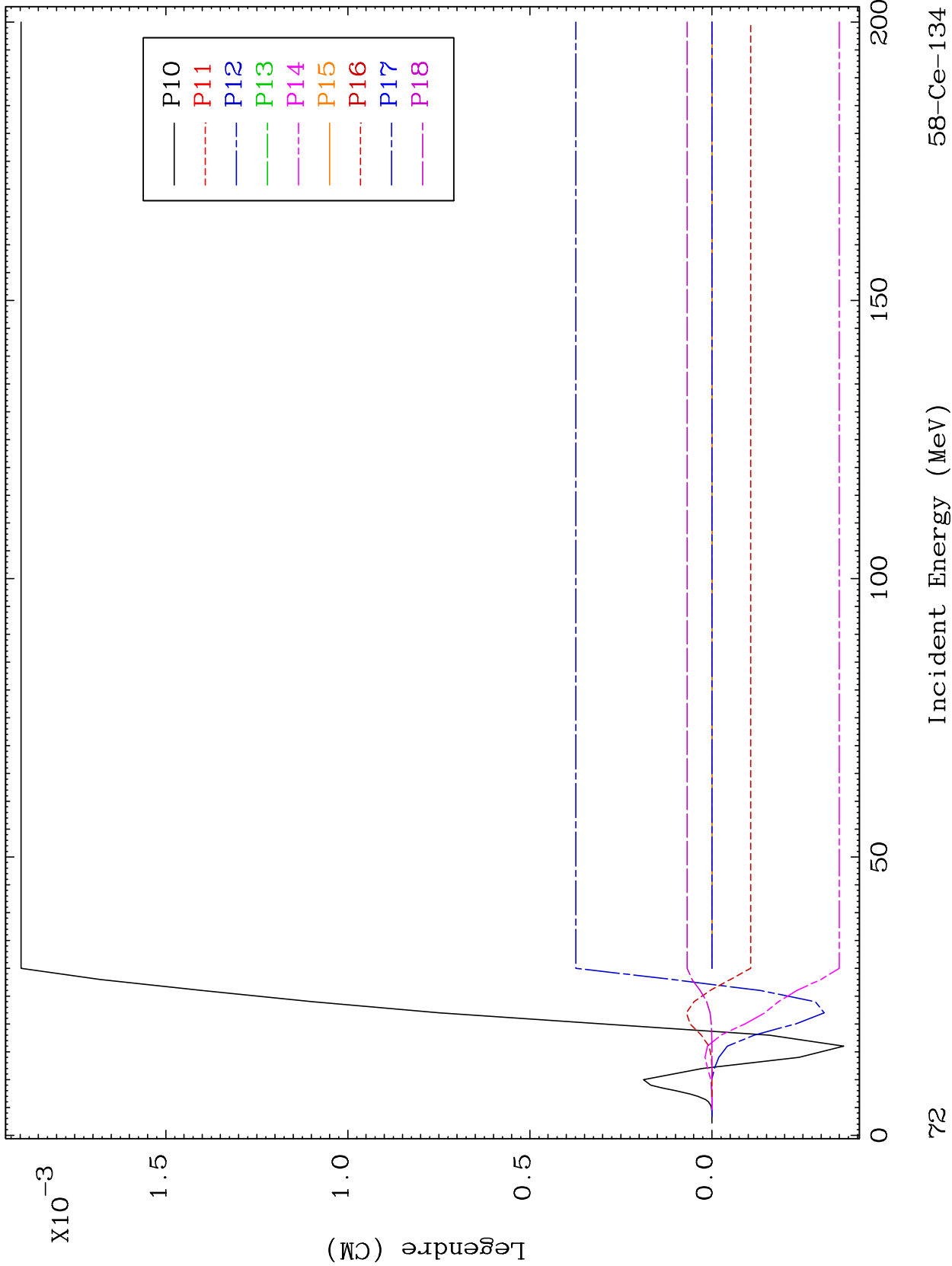


MAT 5819

2.027 MeV (n, n') Level
Legendre Coefficients

58-Ce-134

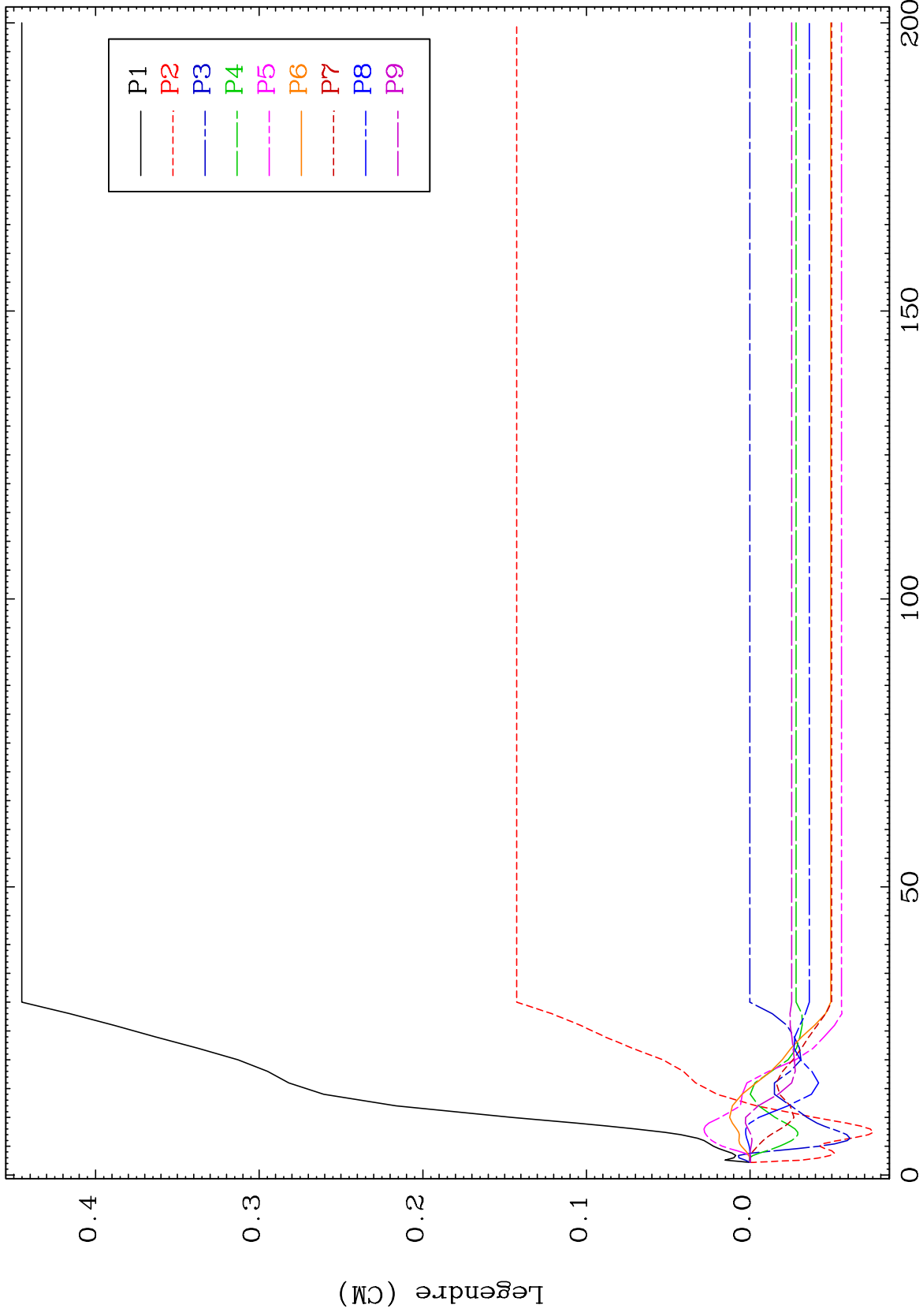




MAT 5819

2.159 MeV (n,n') Level
Legendre Coefficients

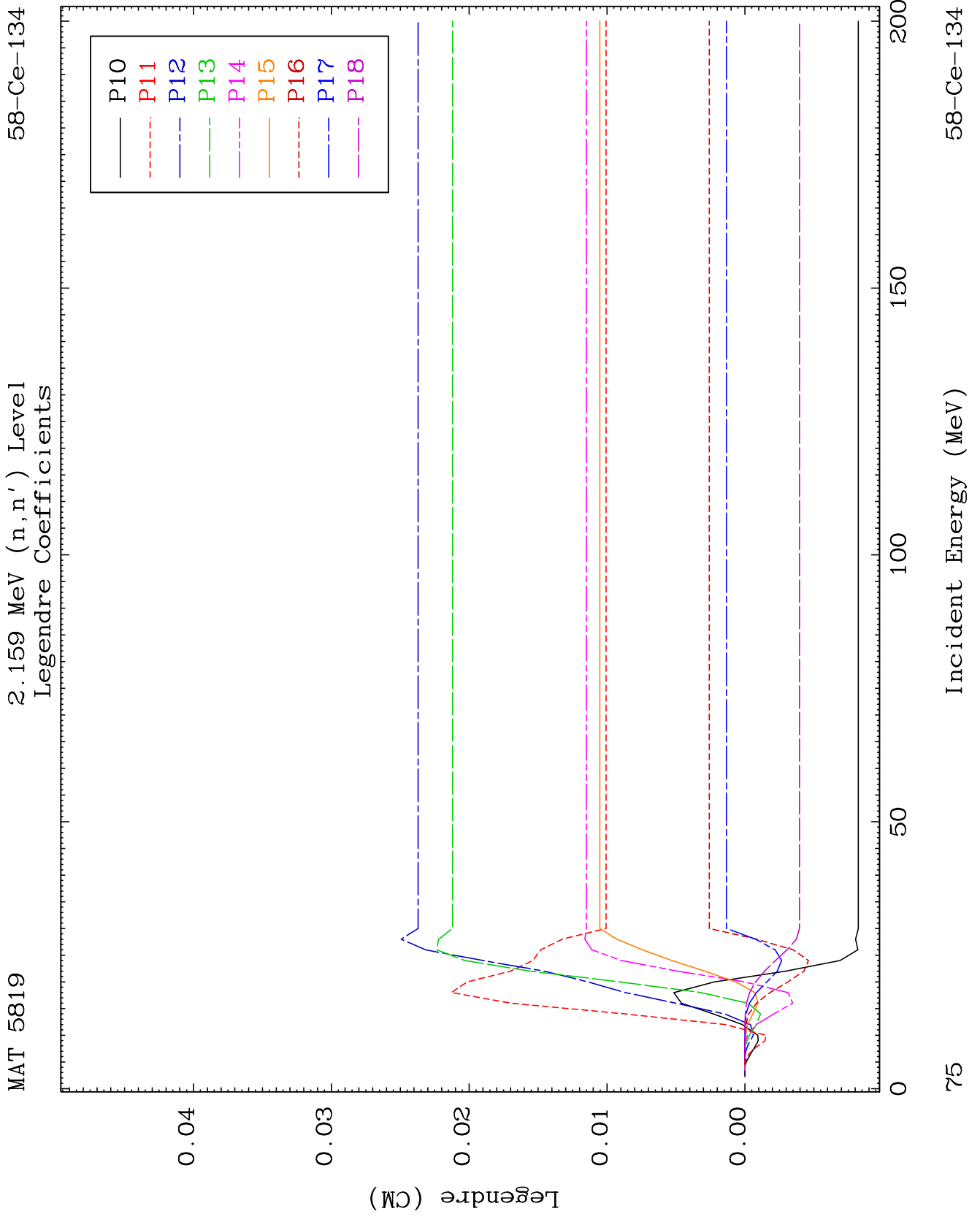
58-Ce-134



74

Incident Energy (MeV)

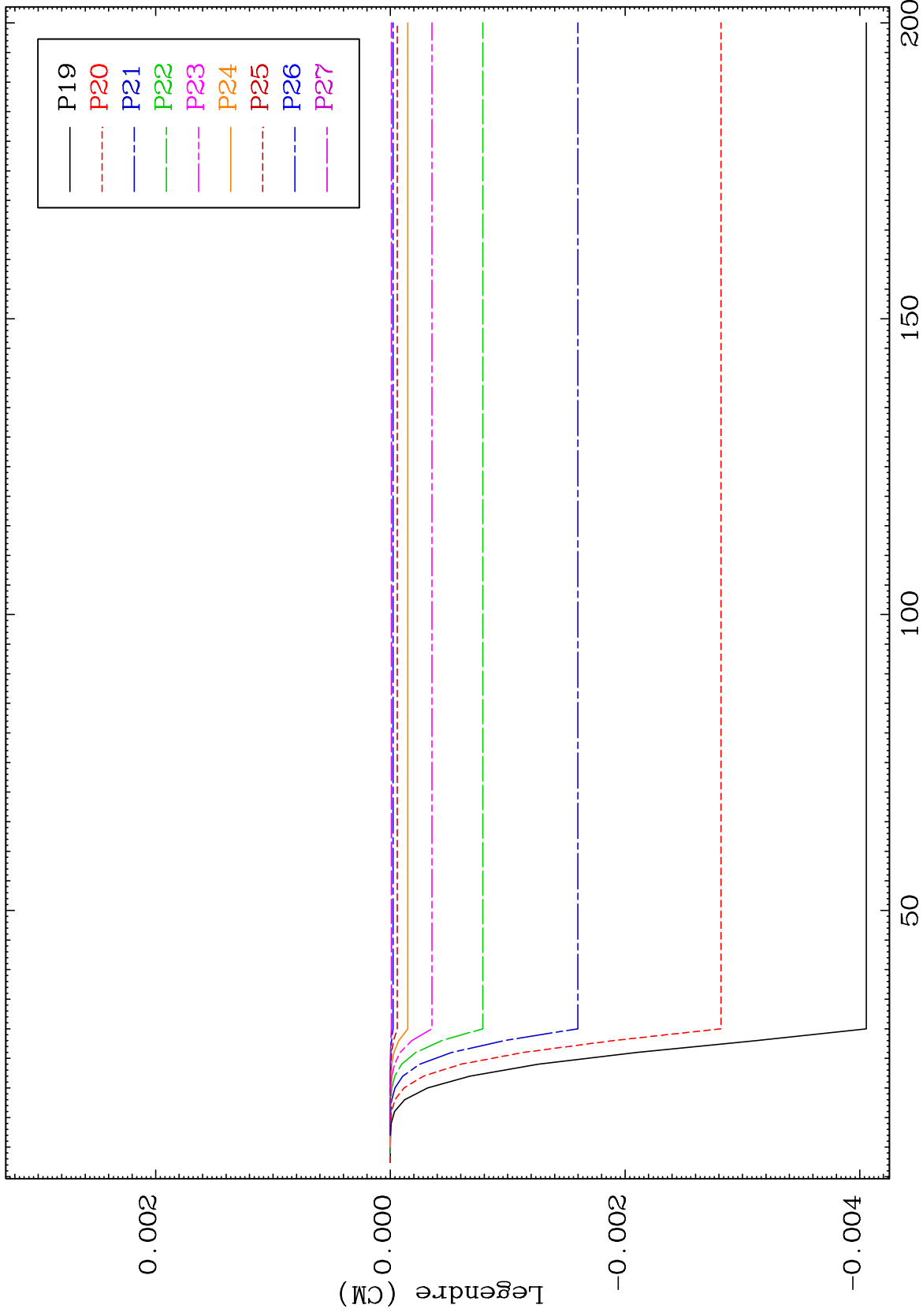
58-Ce-134



MAT 5819

2.159 MeV (n,n') Level
Legendre Coefficients

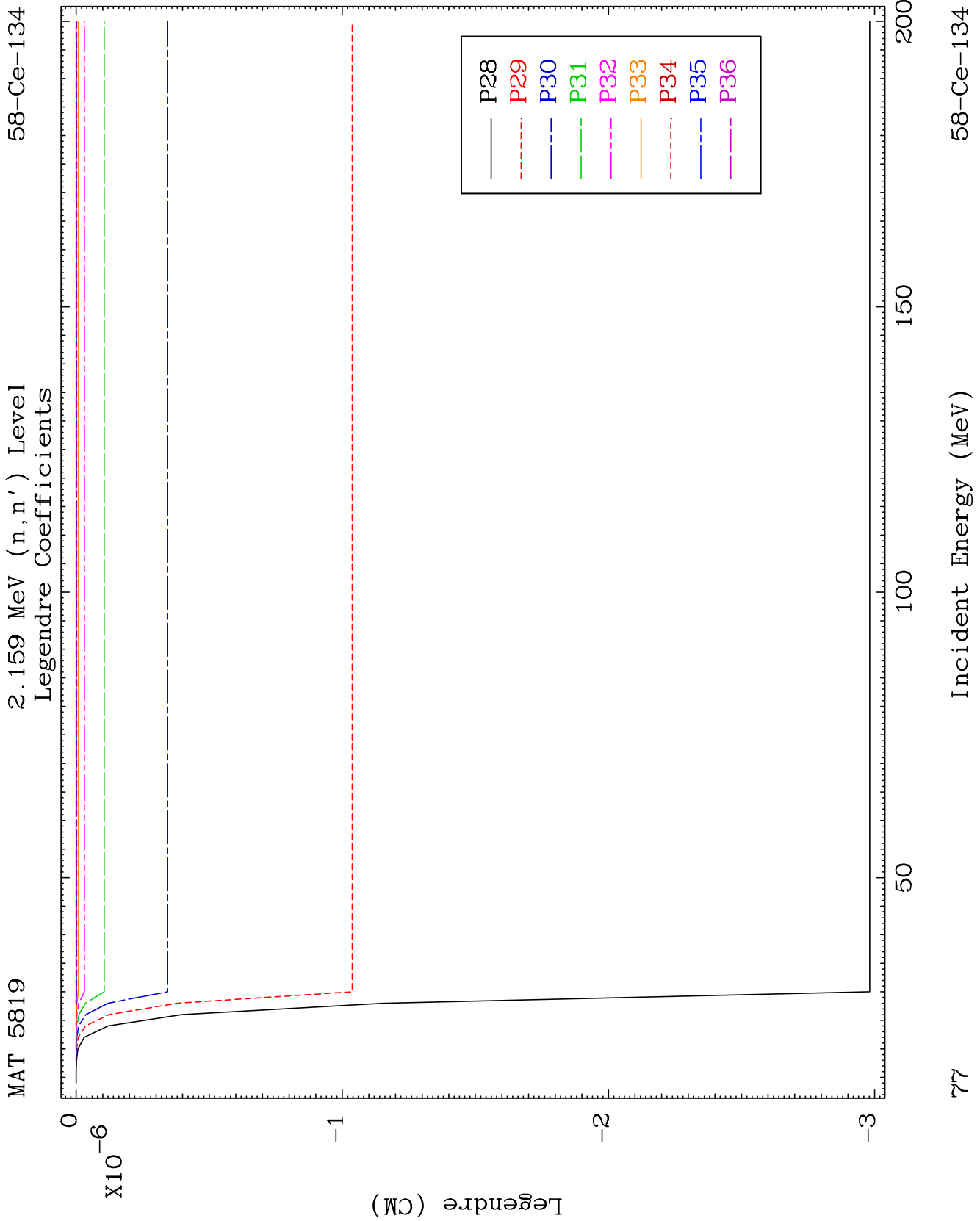
58-Ce-134

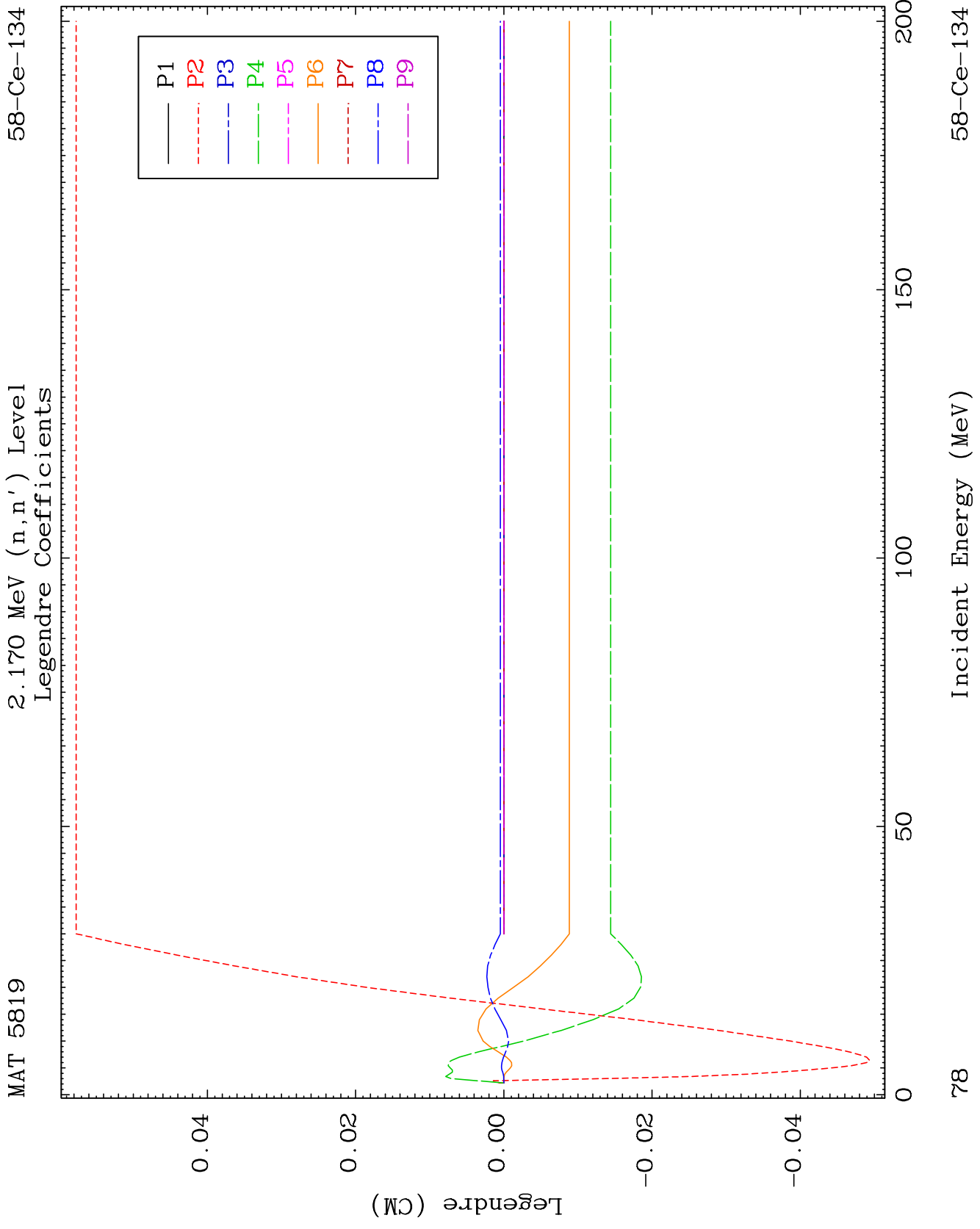


76

Incident Energy (MeV)

58-Ce-134

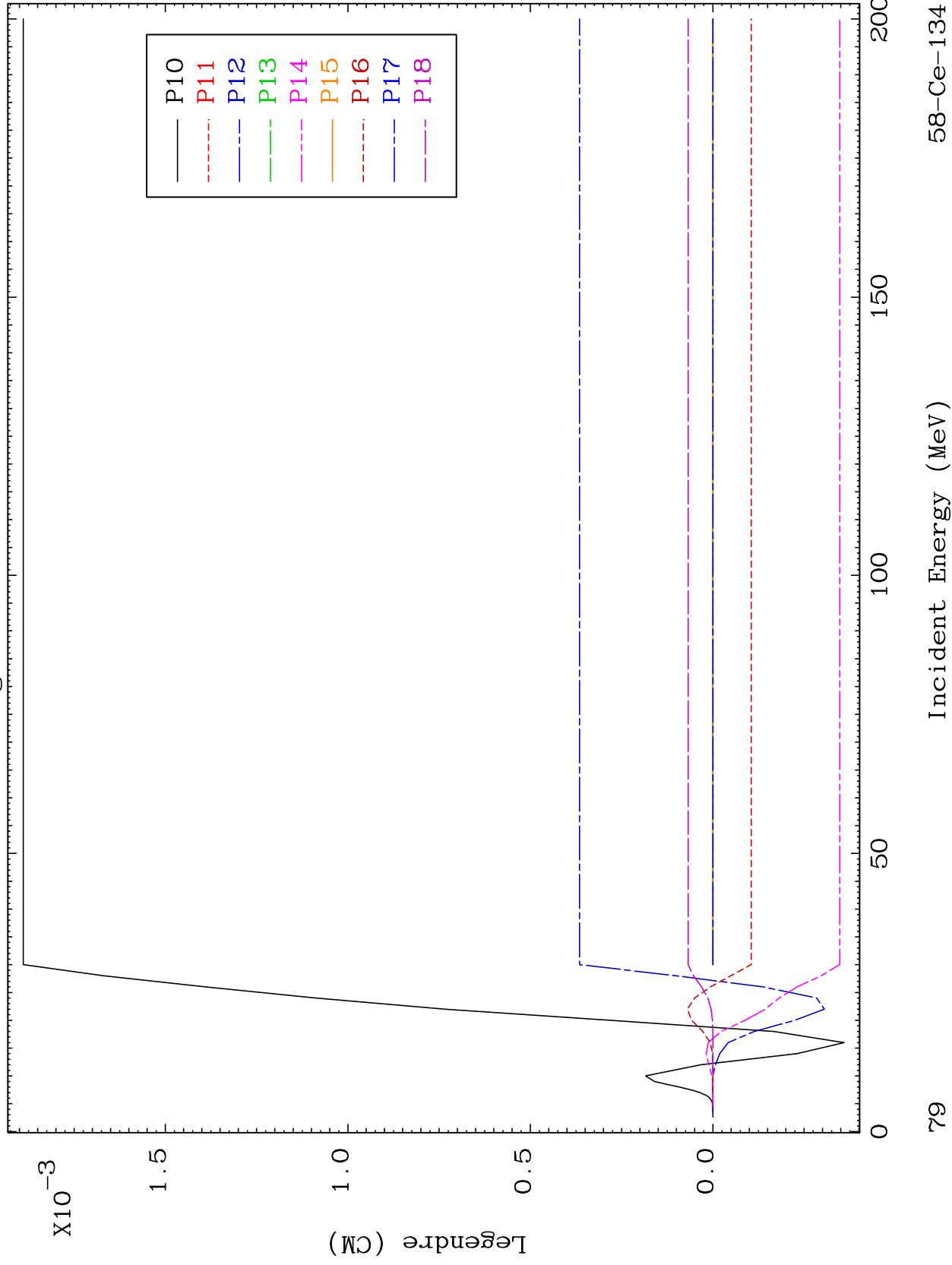




MAT 5819

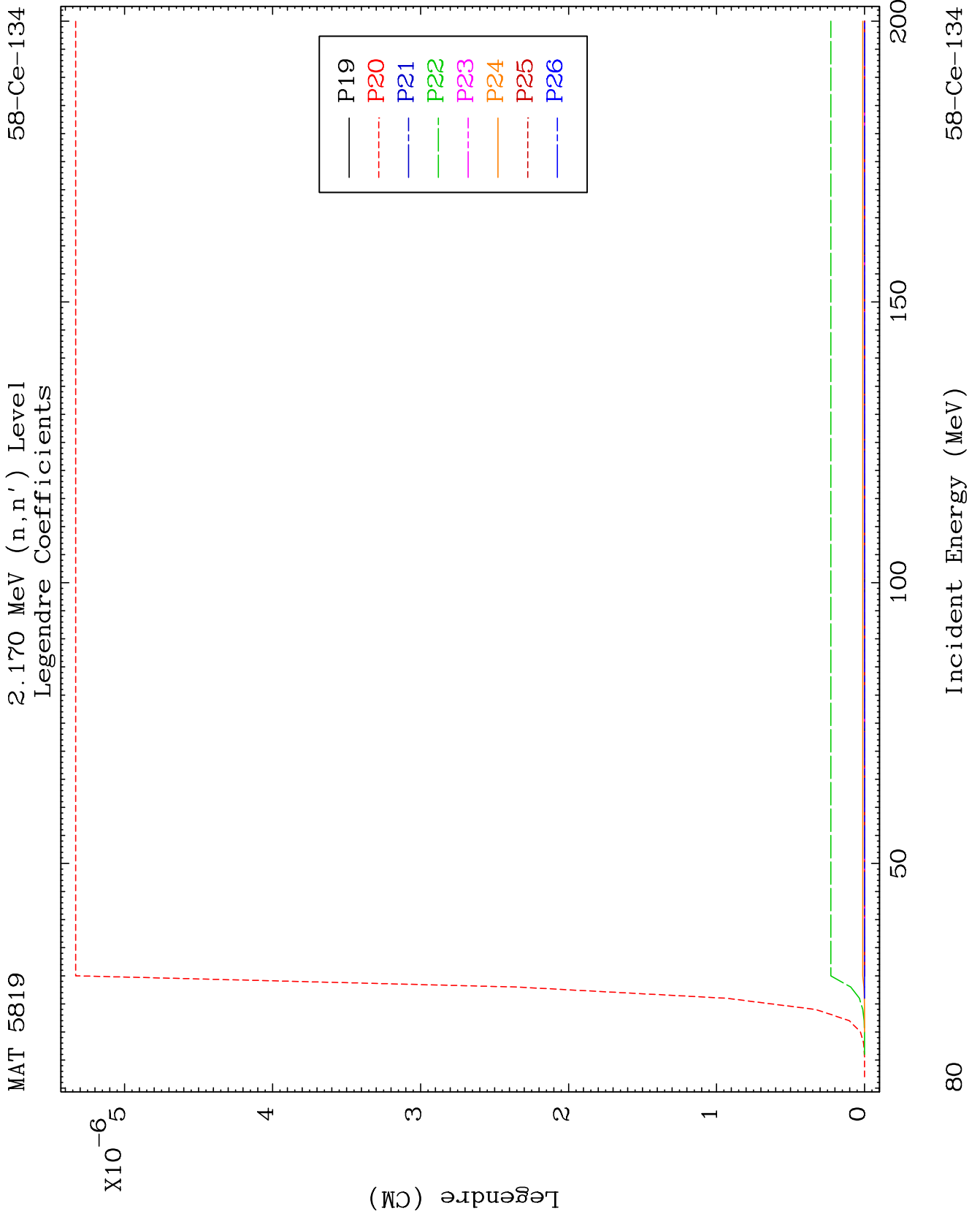
2.170 MeV (n, n') Level
Legendre Coefficients

58-Ce-134



79

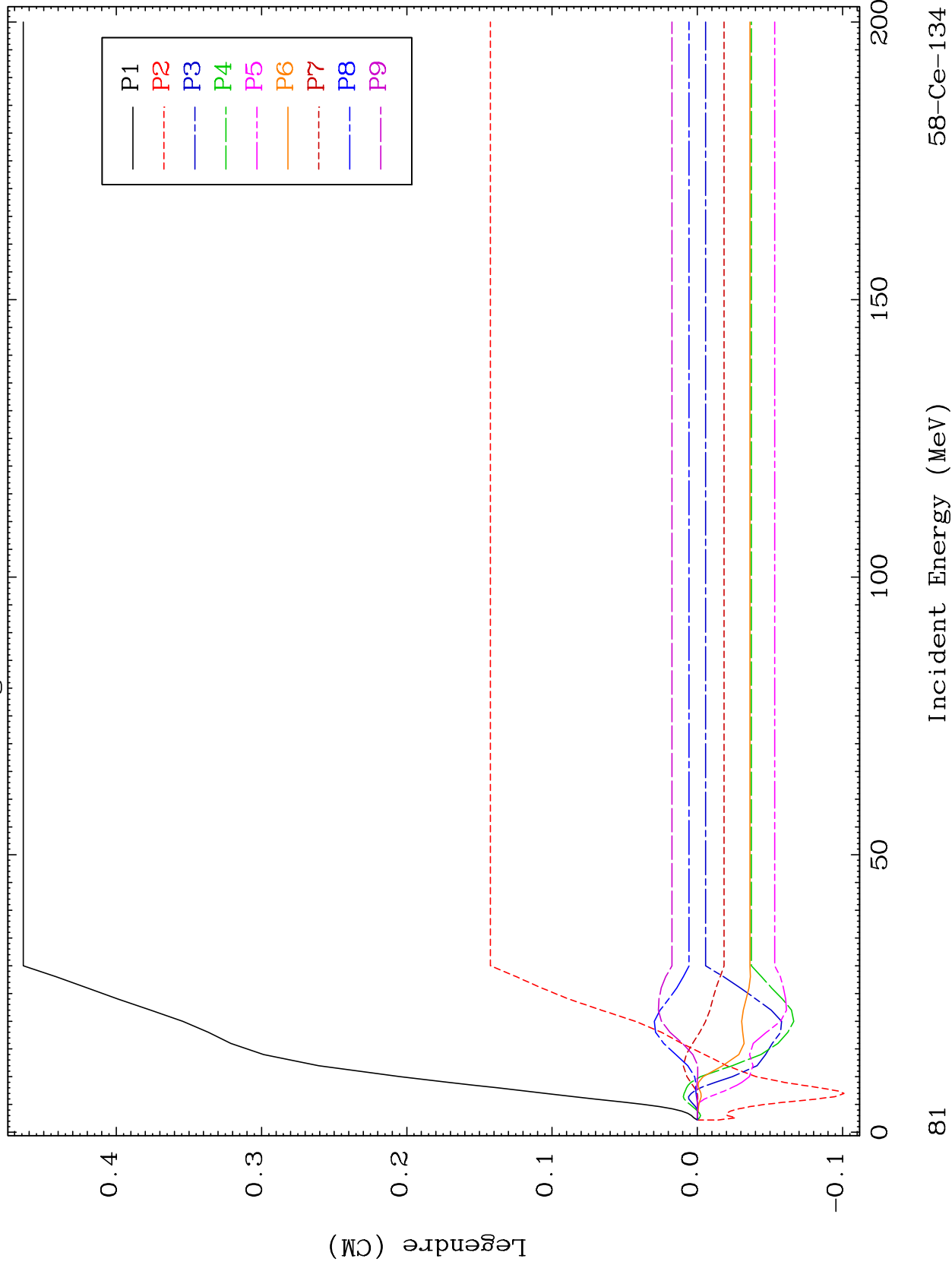
58-Ce-134



MAT 5819

2.174 MeV (n,n') Level
Legendre Coefficients

58-Ce-134



81

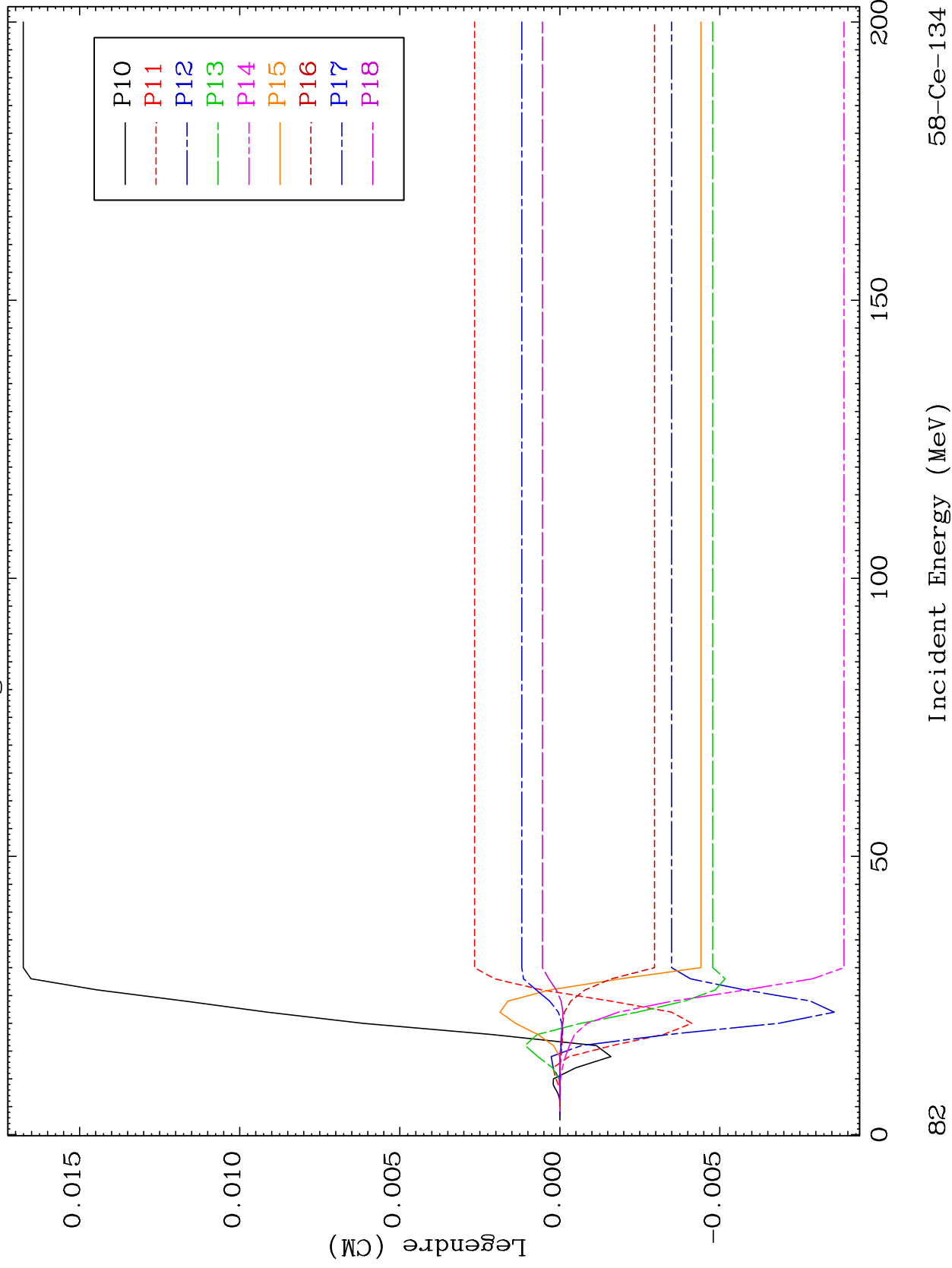
Incident Energy (MeV)

58-Ce-134

MAT 5819

2.174 MeV (n,n') Level
Legendre Coefficients

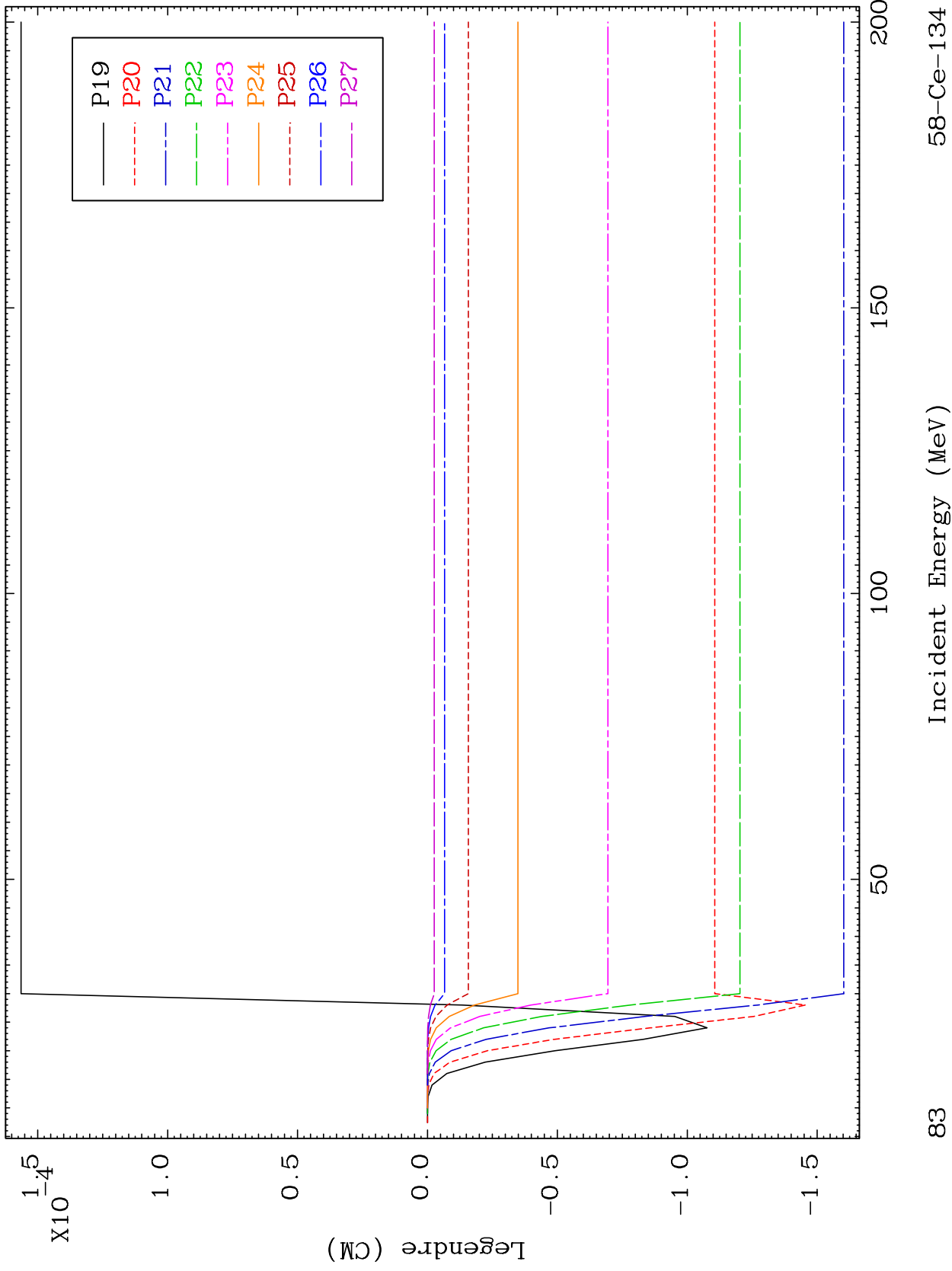
58-Ce-134

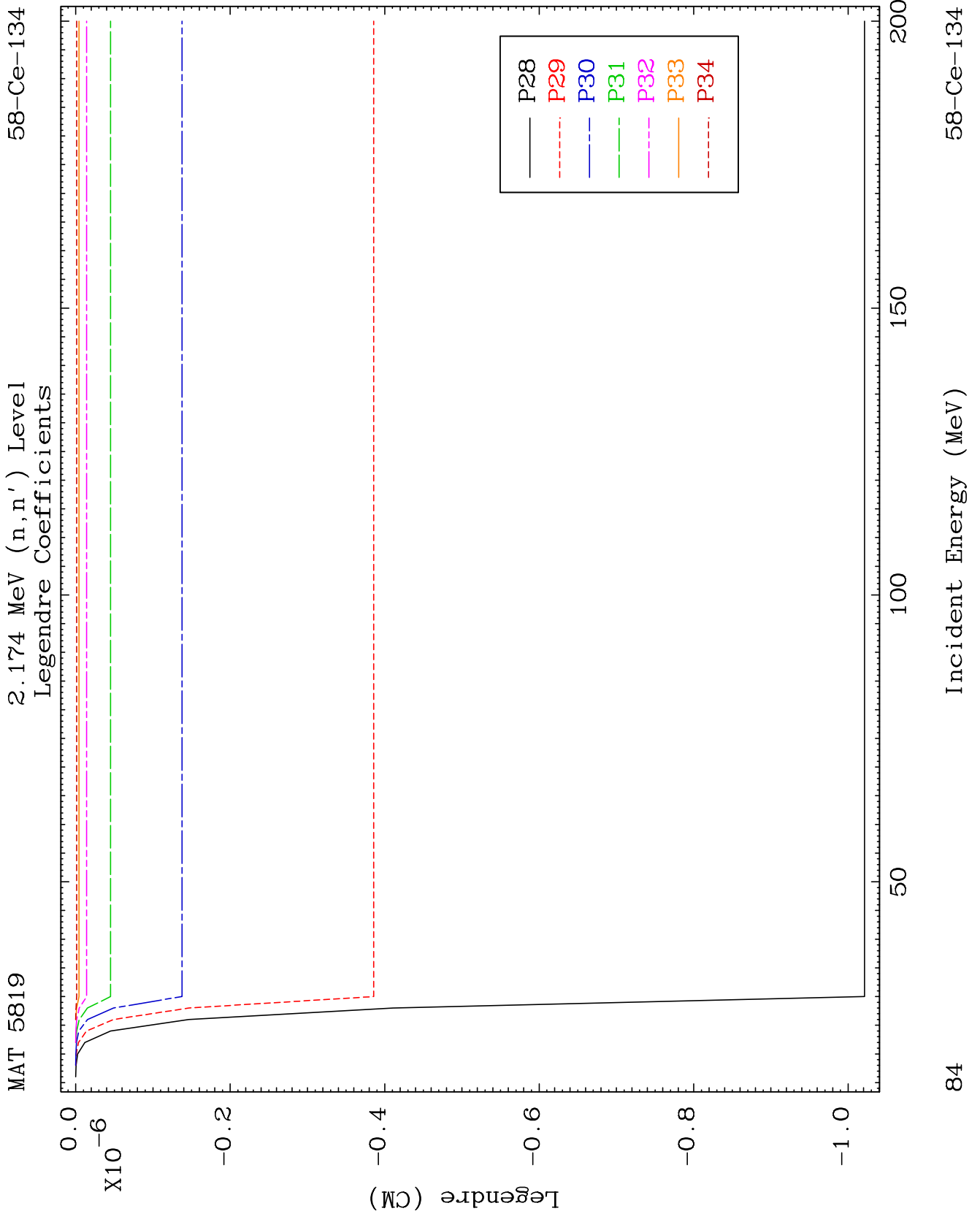


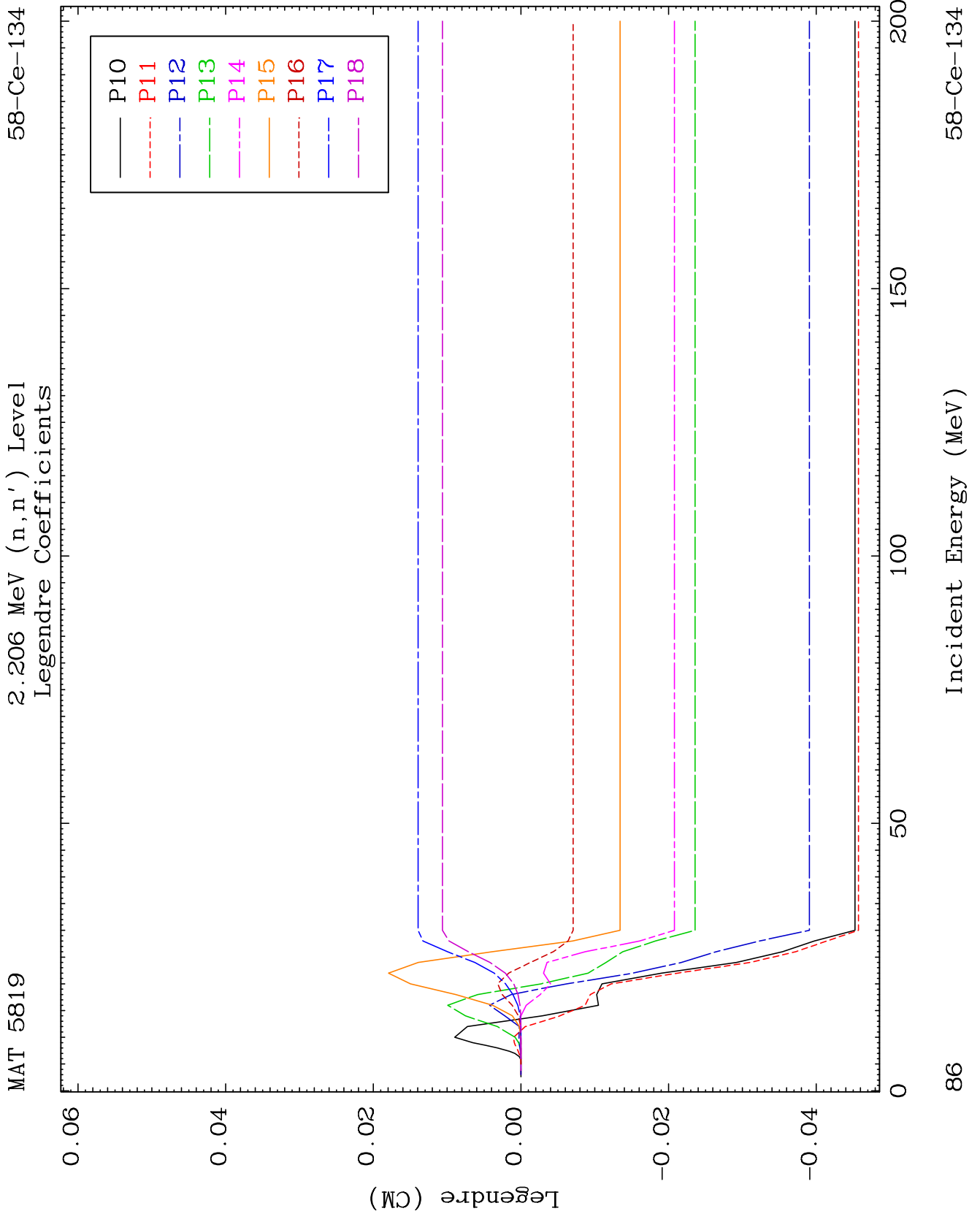
82

Incident Energy (MeV)

58-Ce-134



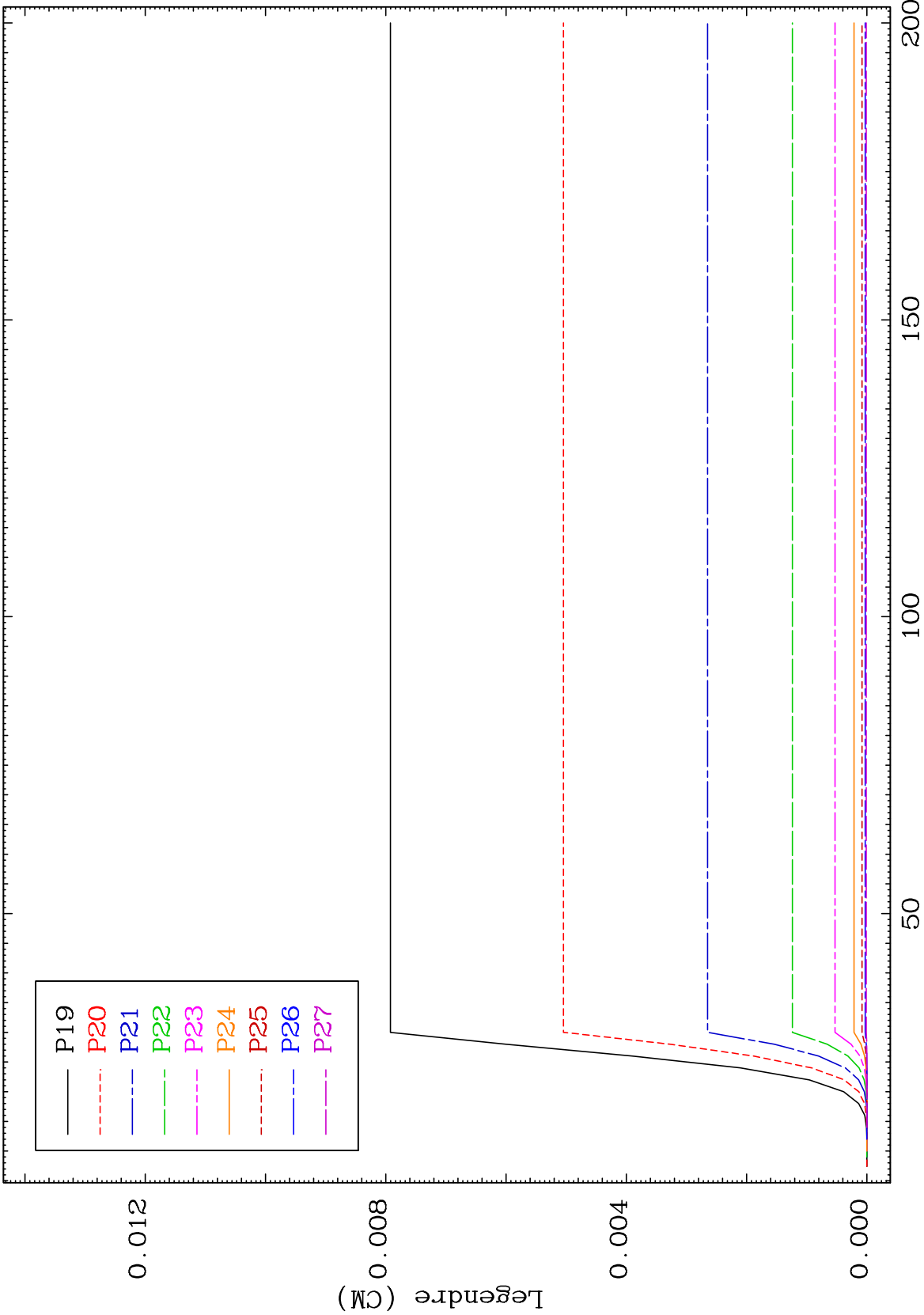




MAT 5819

2.206 MeV (n, n') Level
Legendre Coefficients

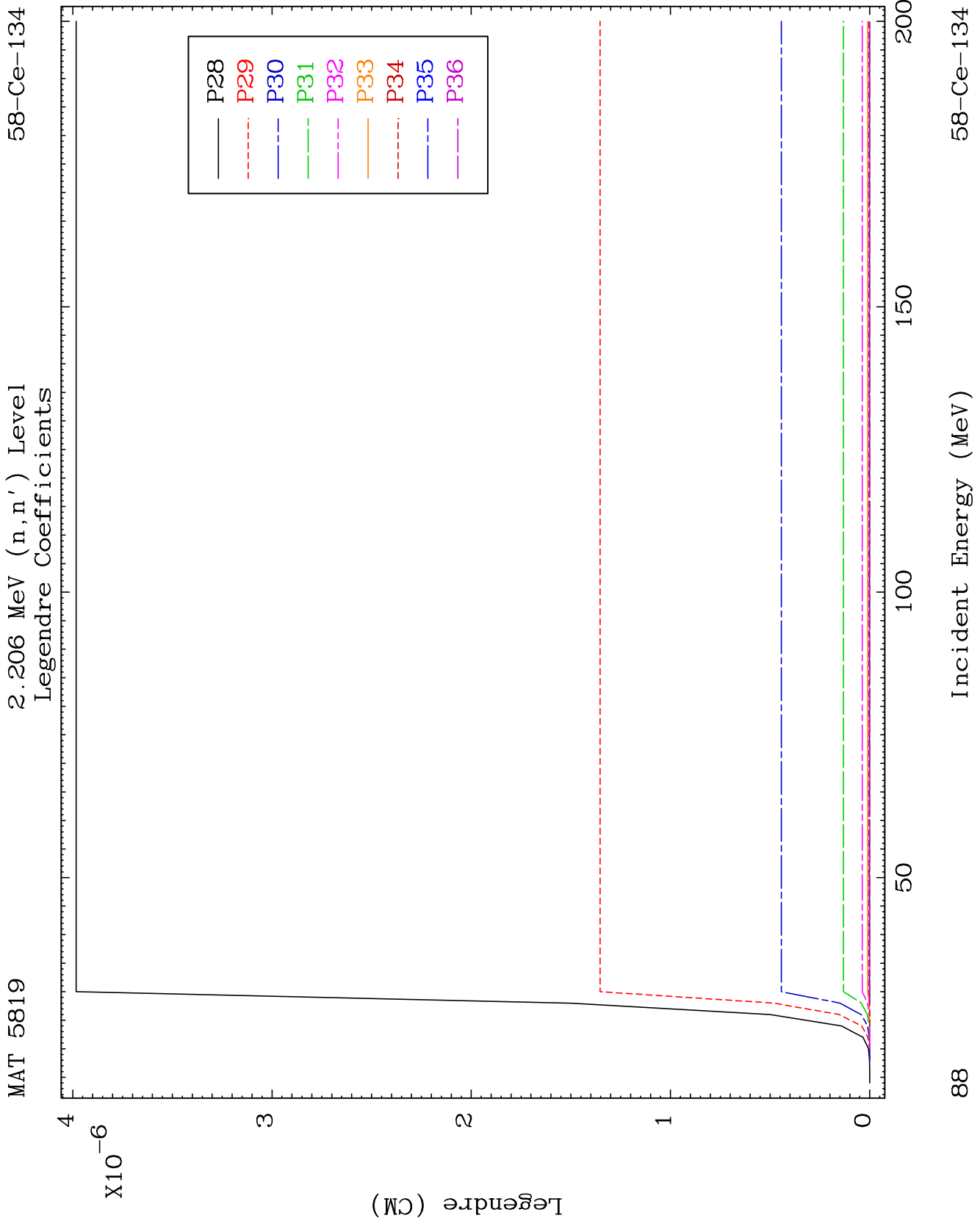
58-Ce-134



87

Incident Energy (MeV)

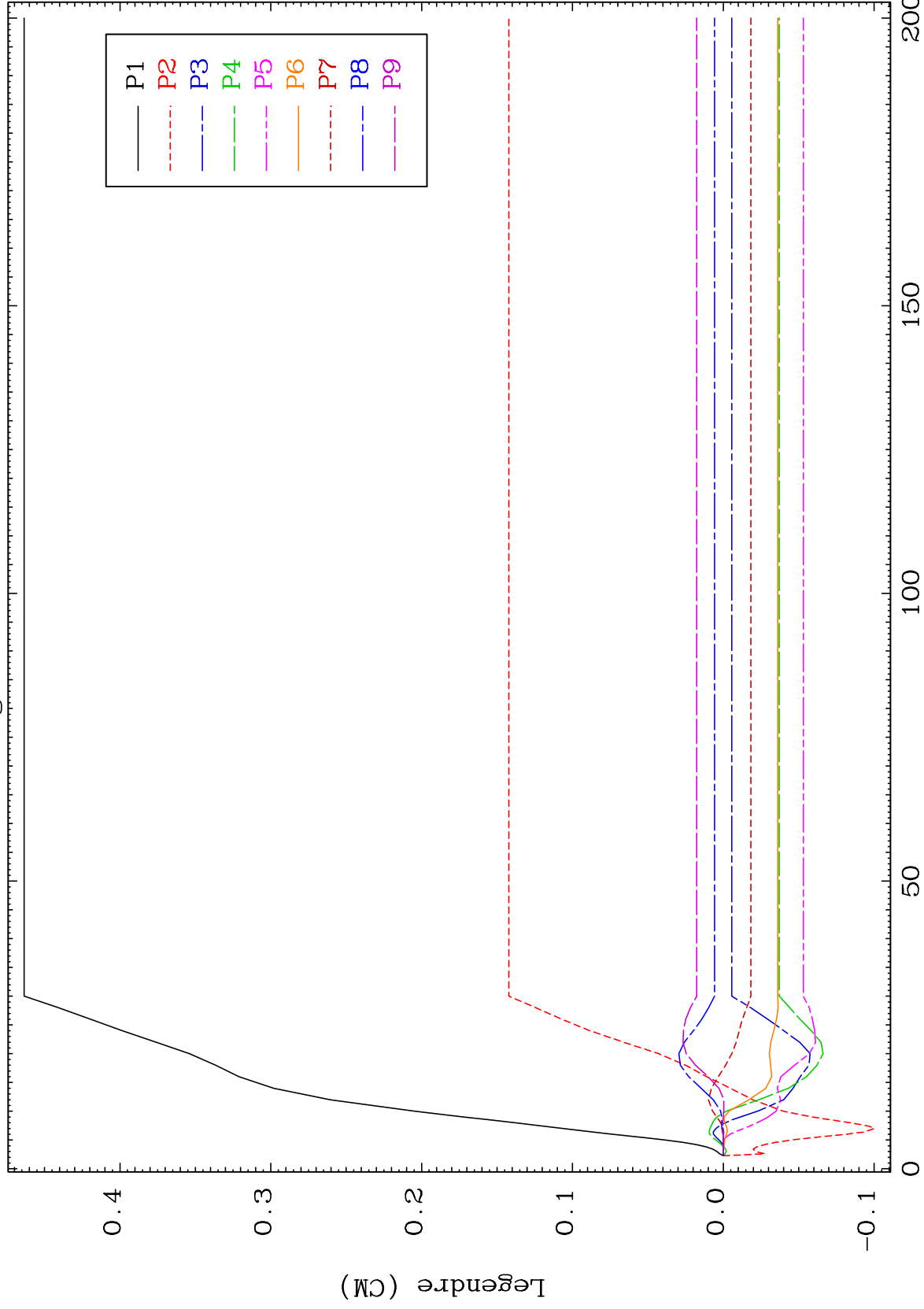
58-Ce-134



MAT 5819

2.247 MeV (n,n') Level
Legendre Coefficients

58-Ce-134



89

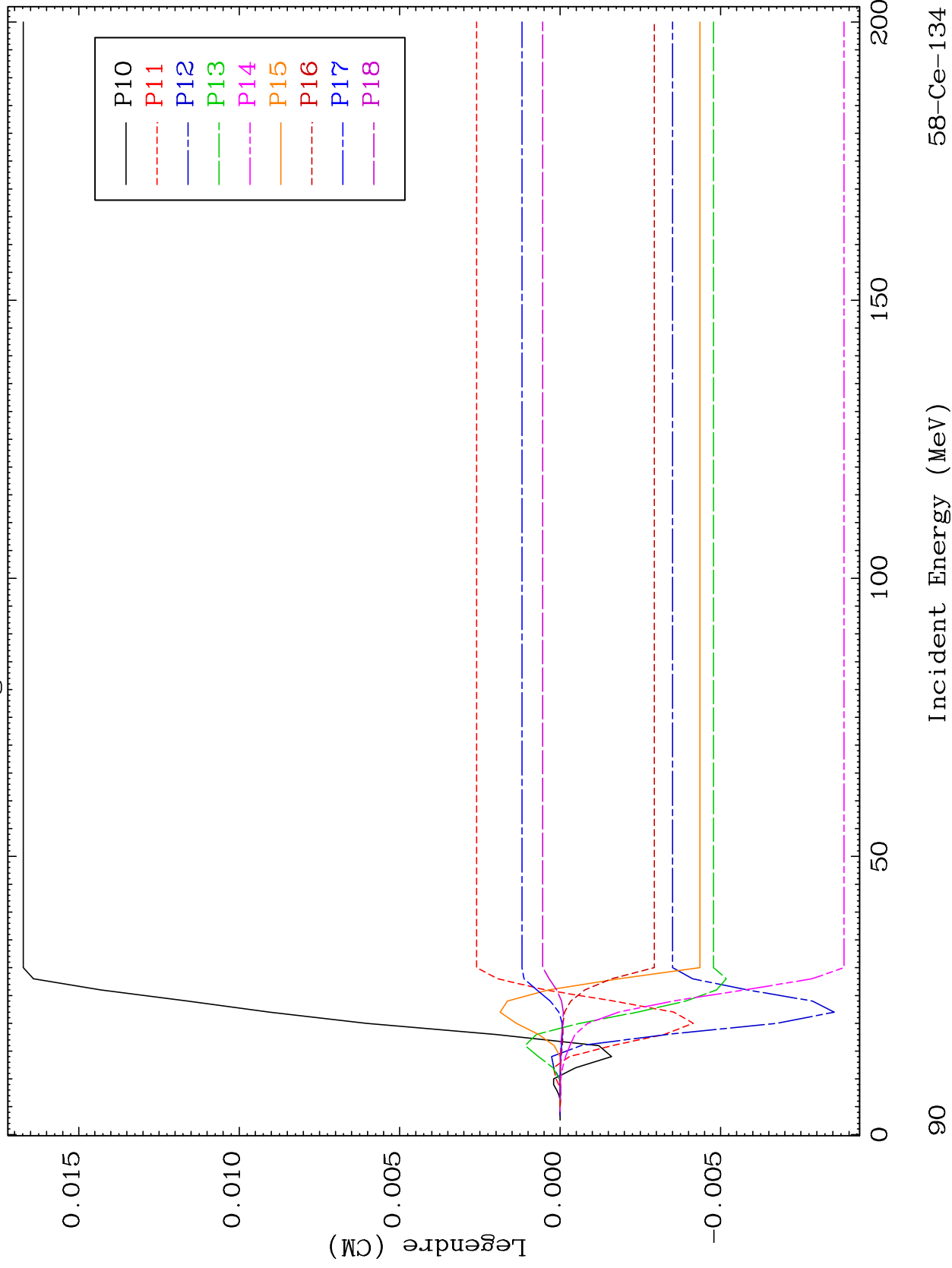
Incident Energy (MeV)

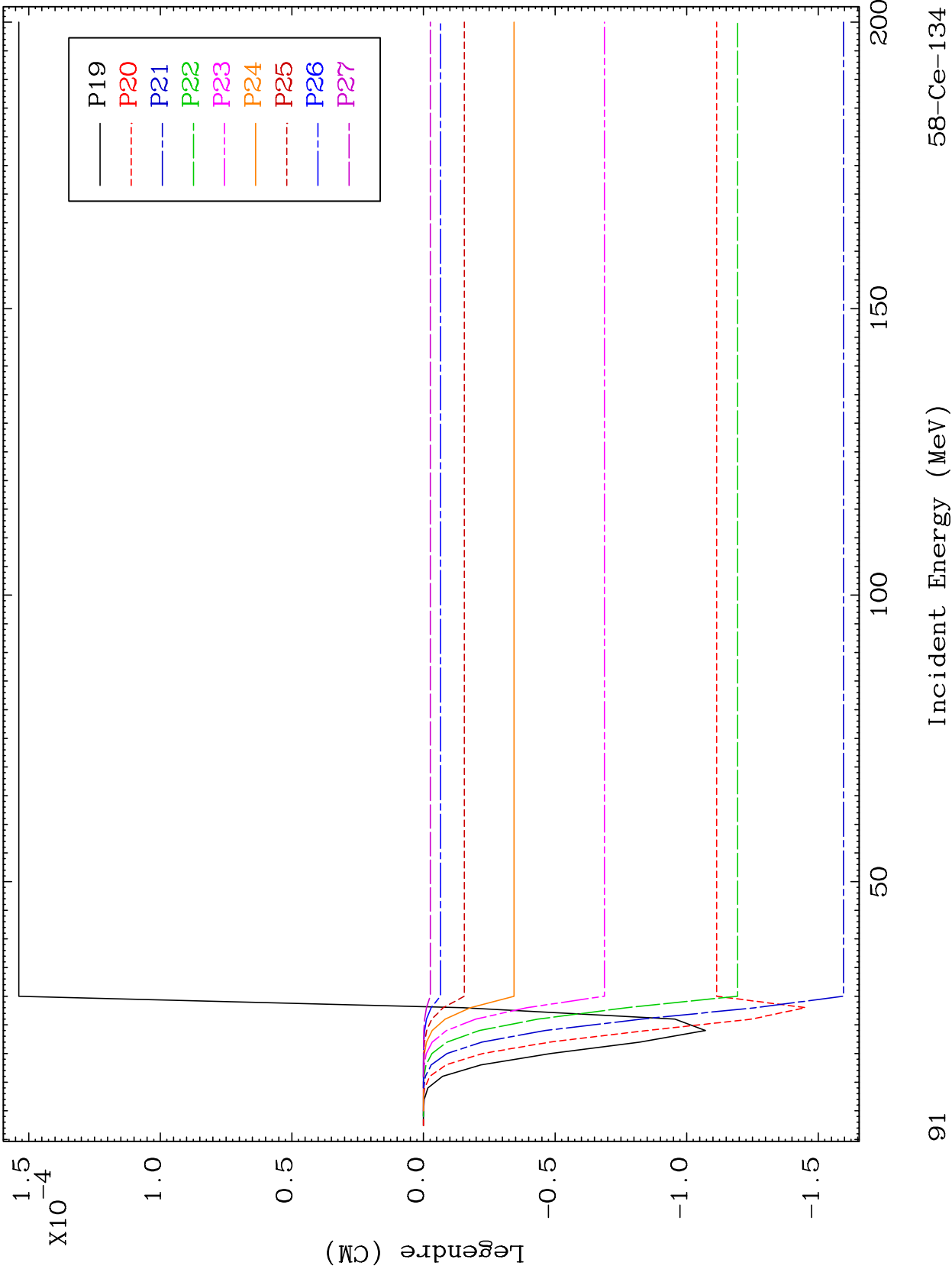
58-Ce-134

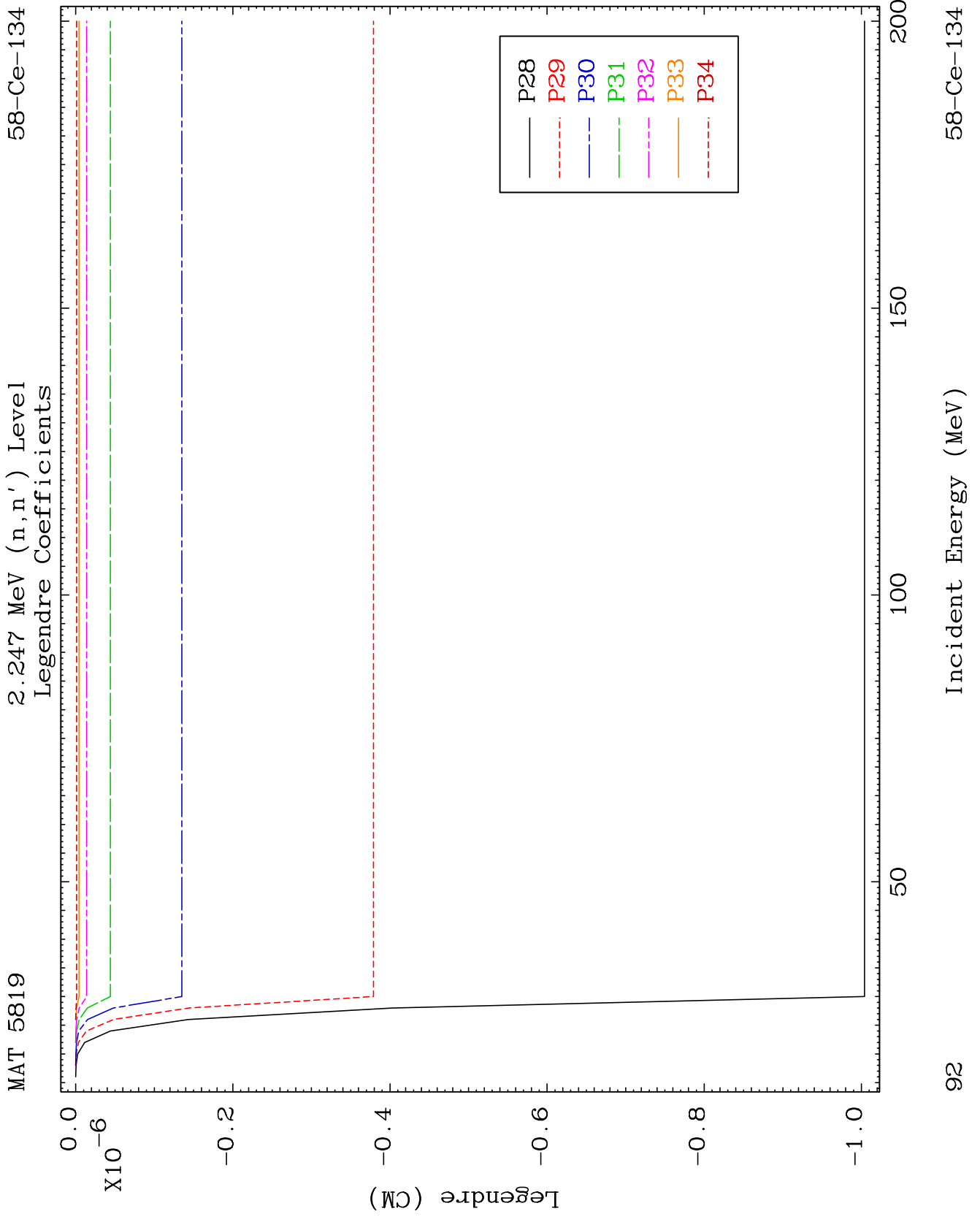
MAT 5819

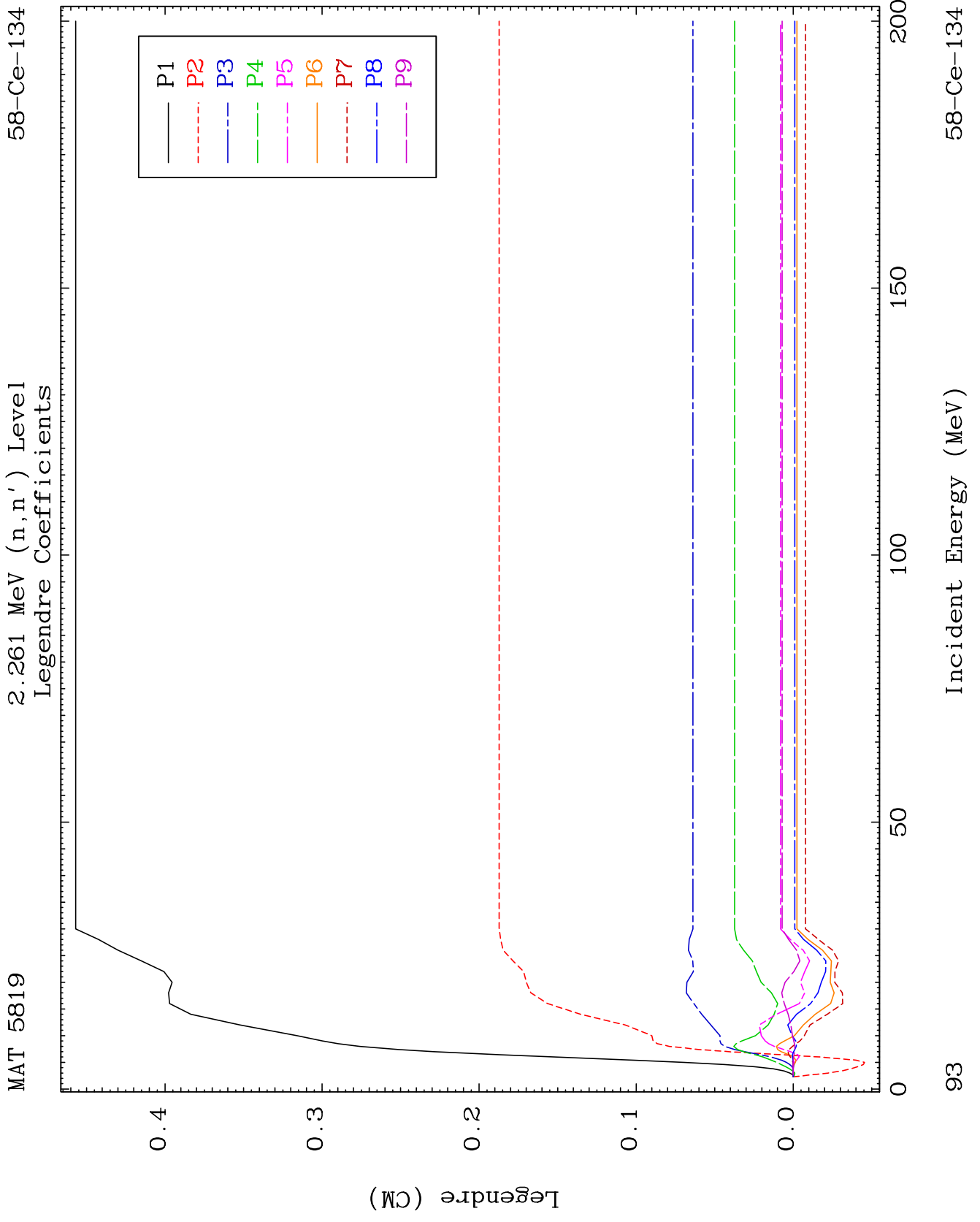
2.247 MeV (n,n') Level
Legendre Coefficients

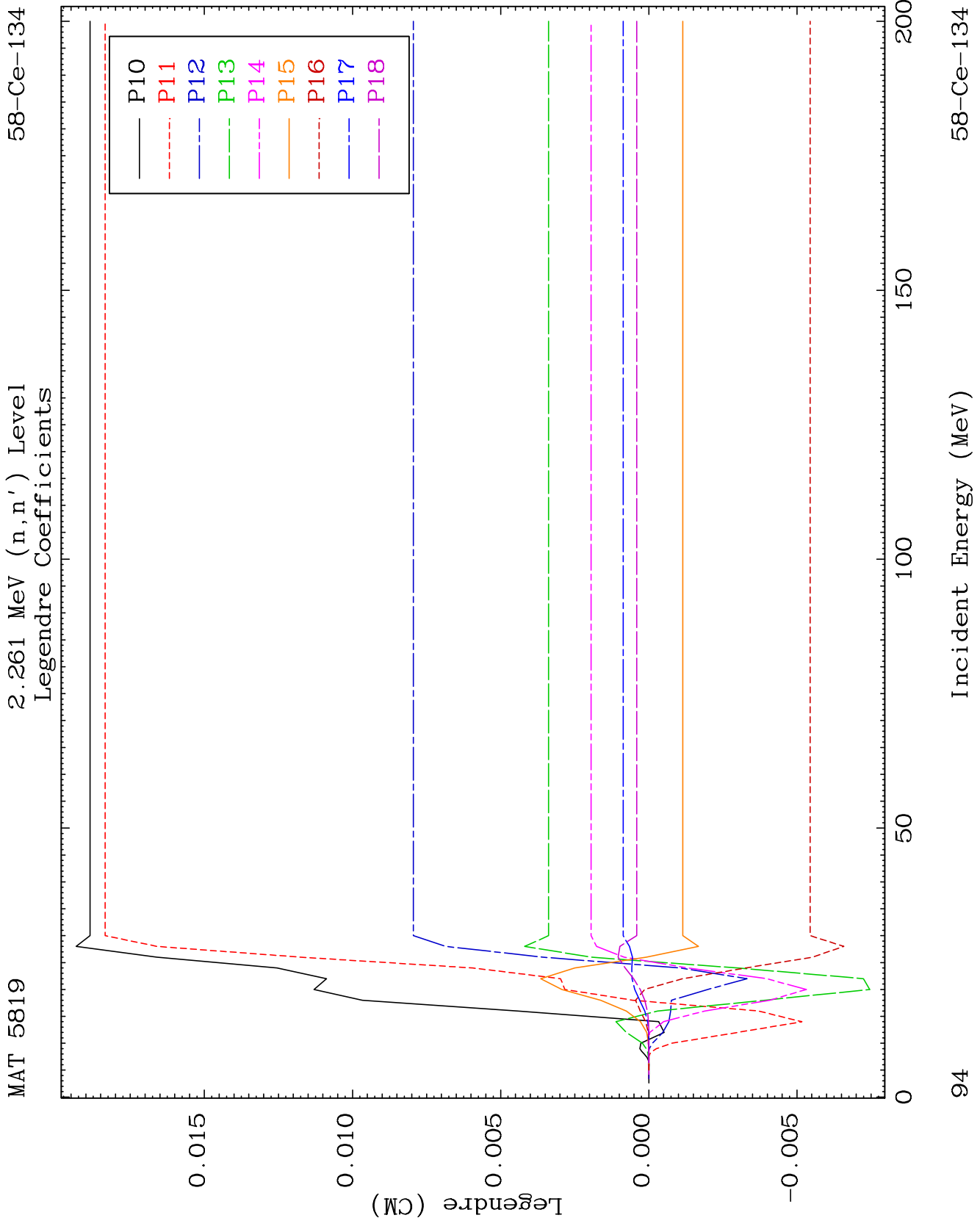
58-Ce-134

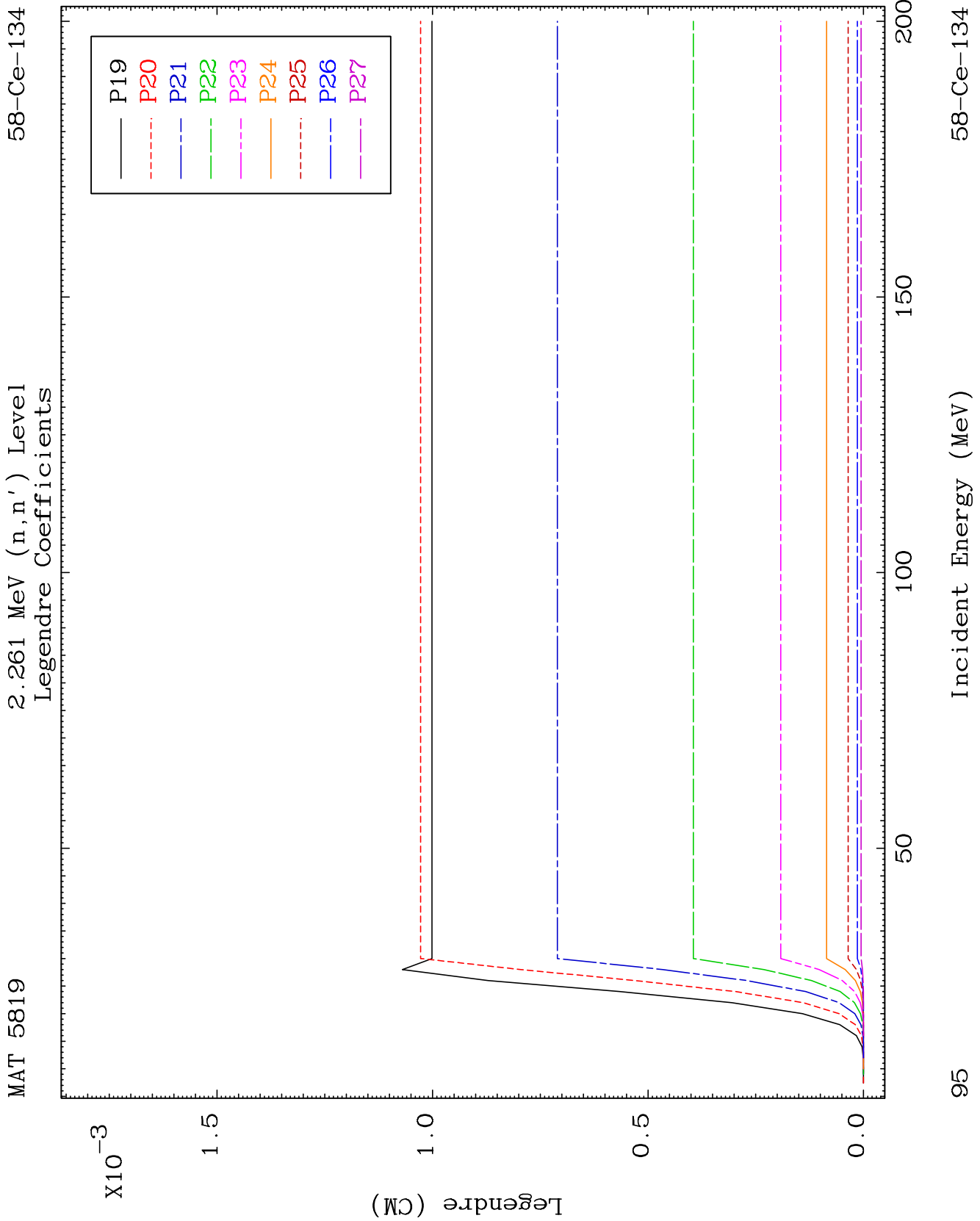


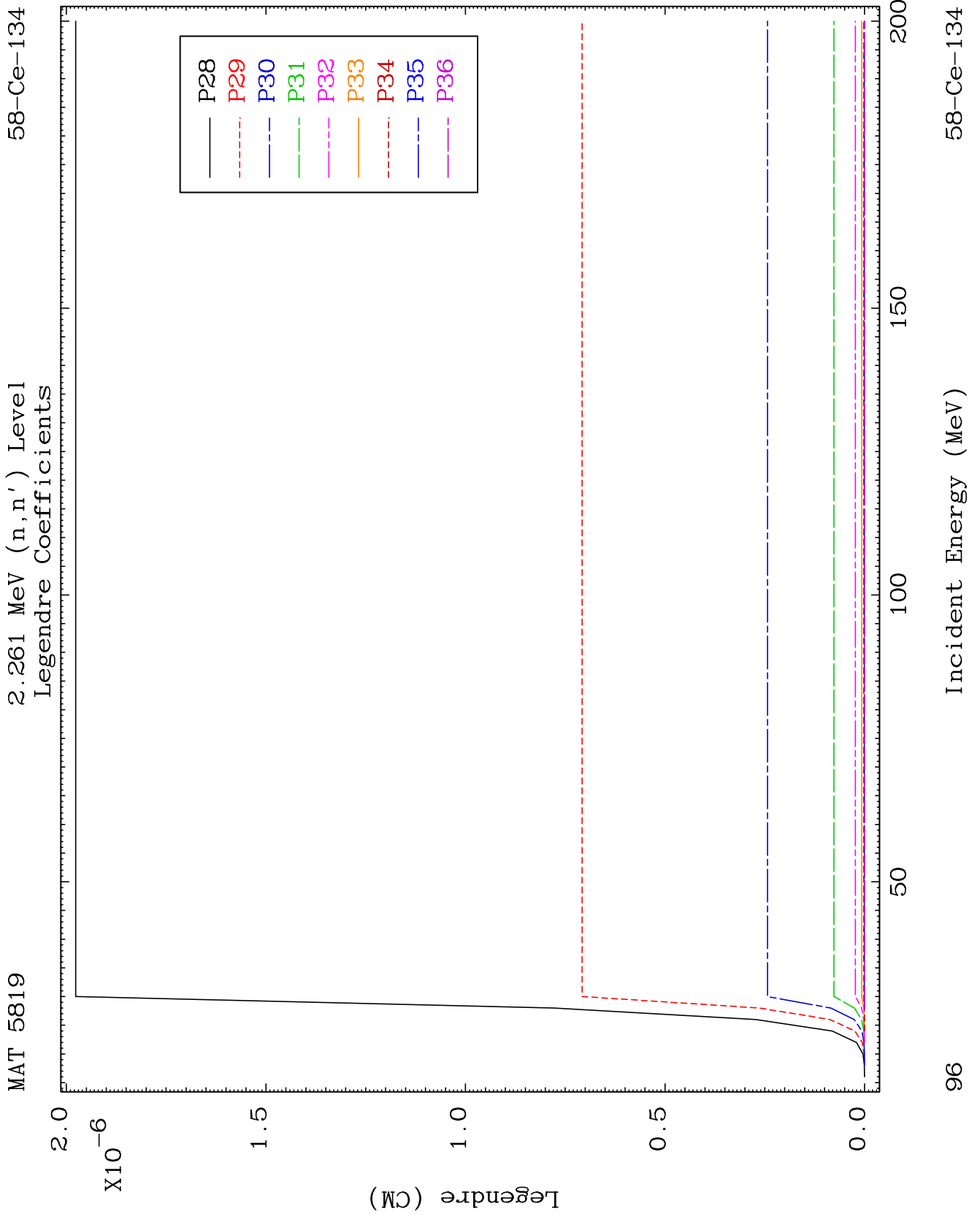


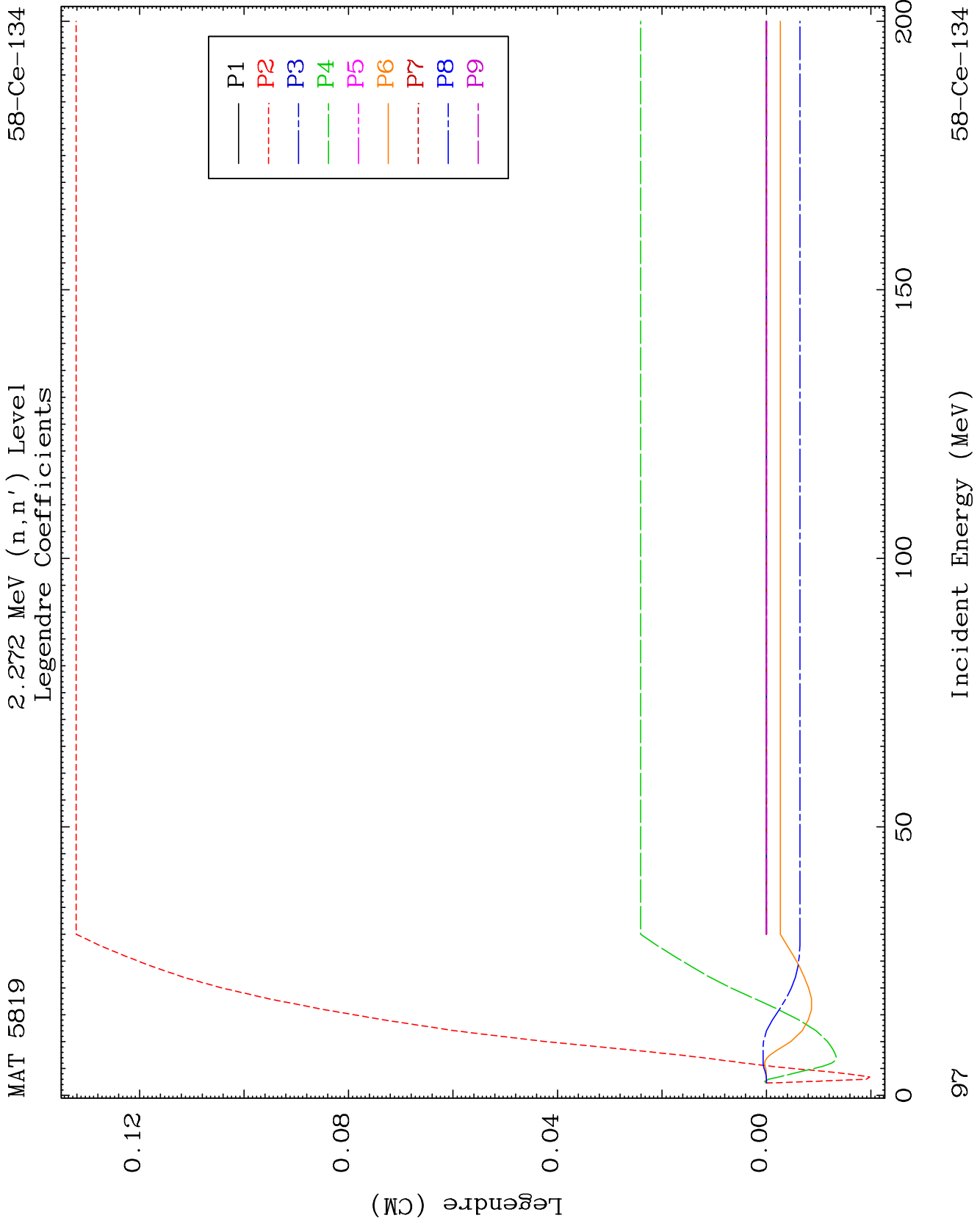








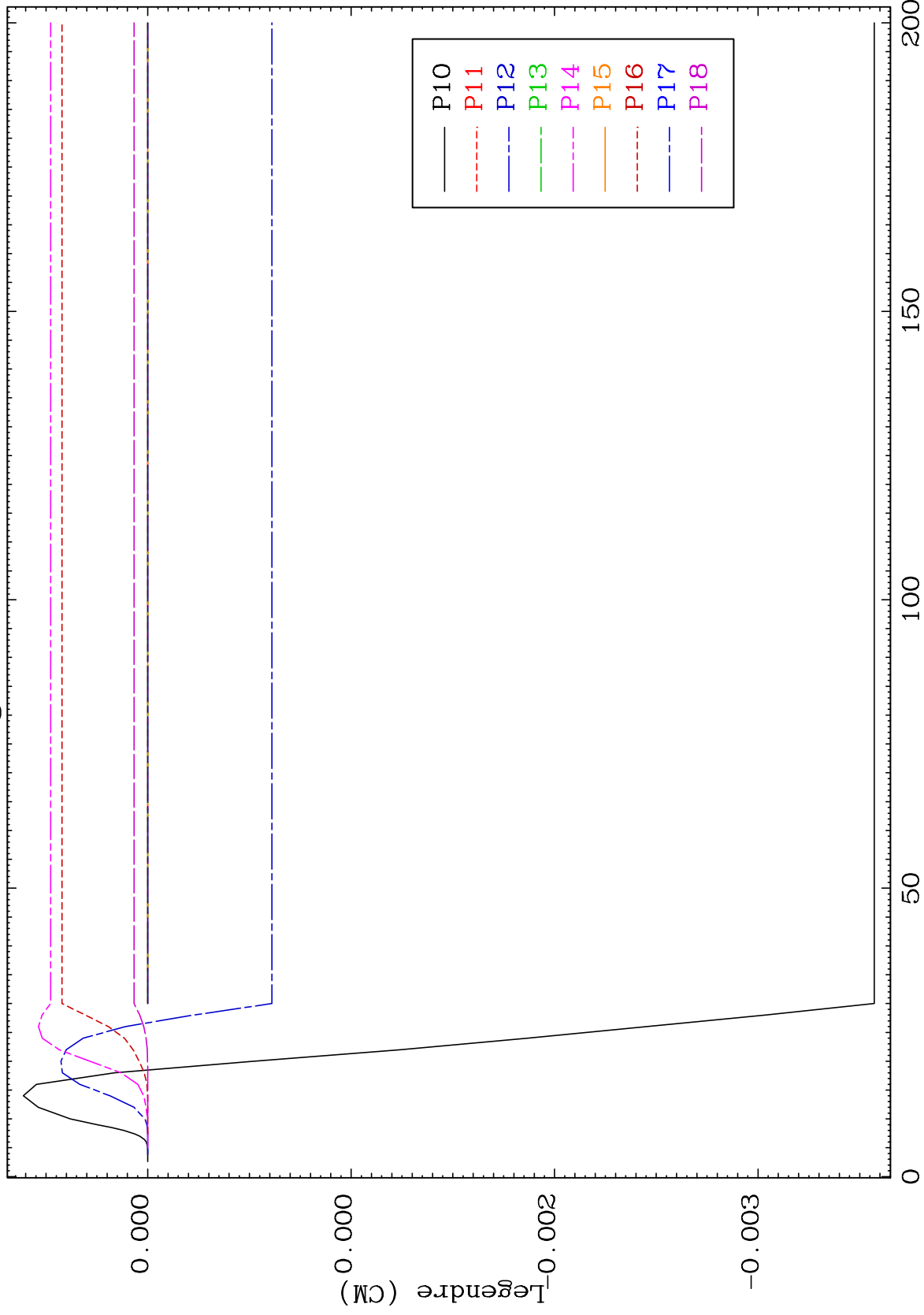




MAT 5819

2.272 MeV (n,n') Level
Legendre Coefficients

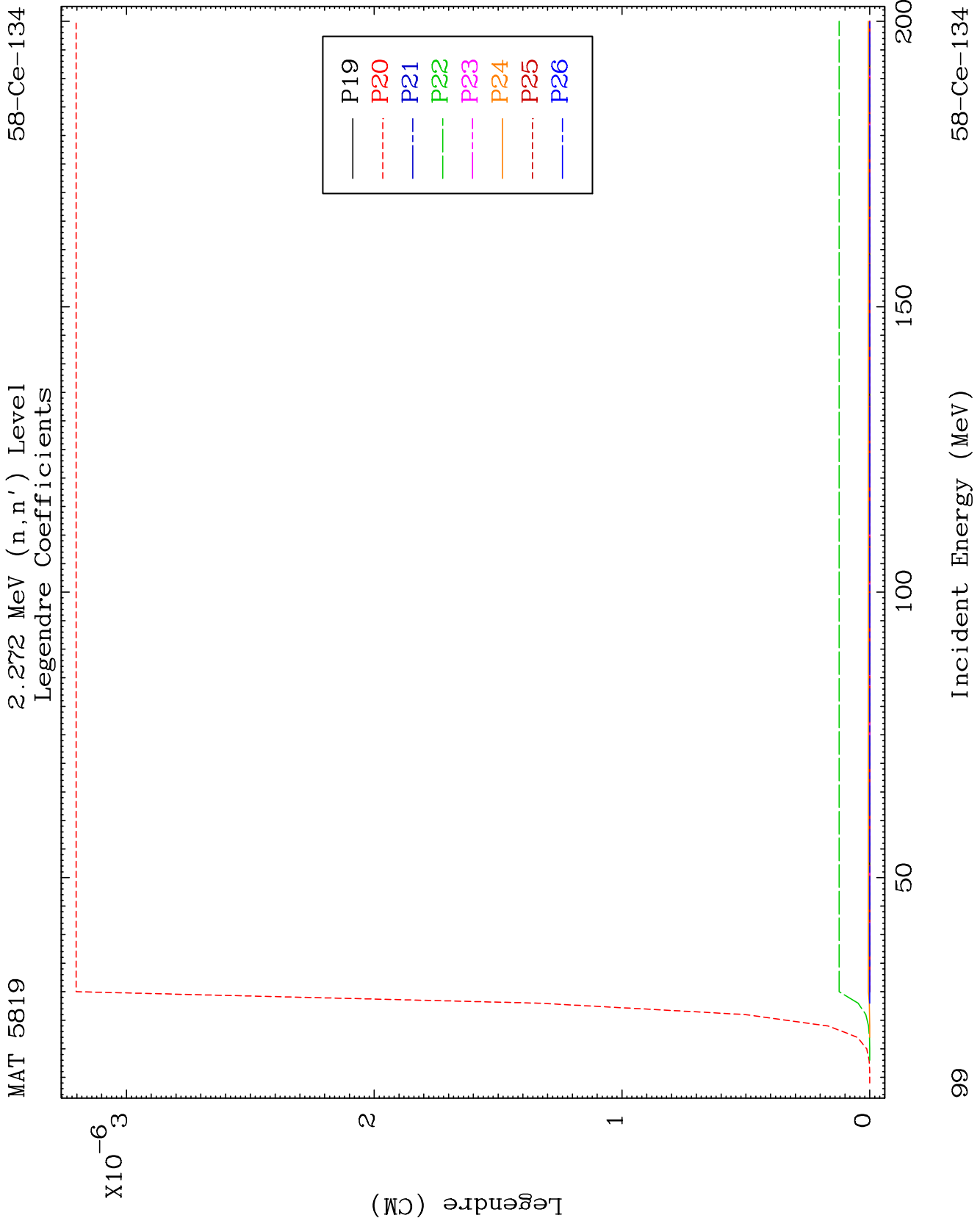
58-Ce-134

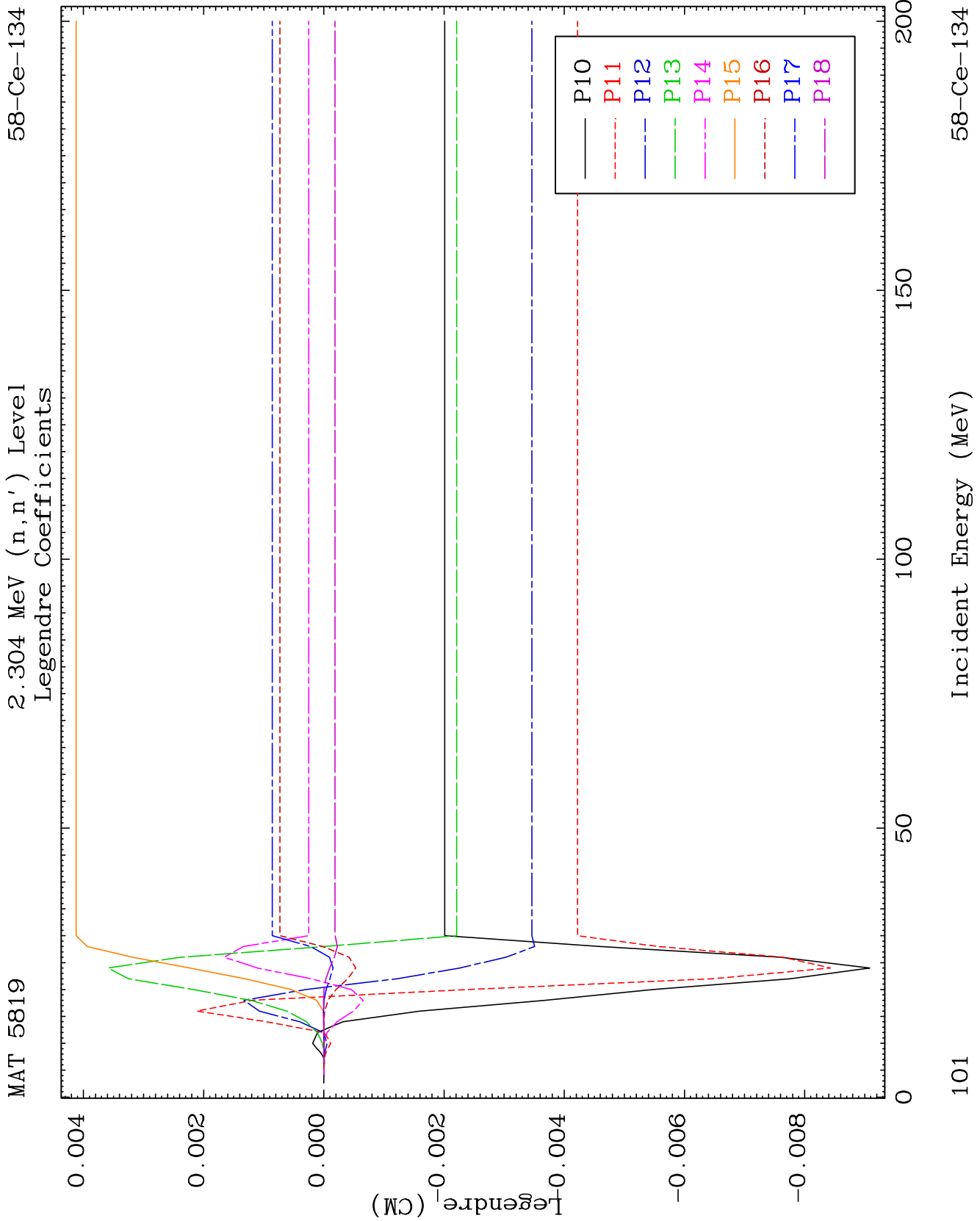


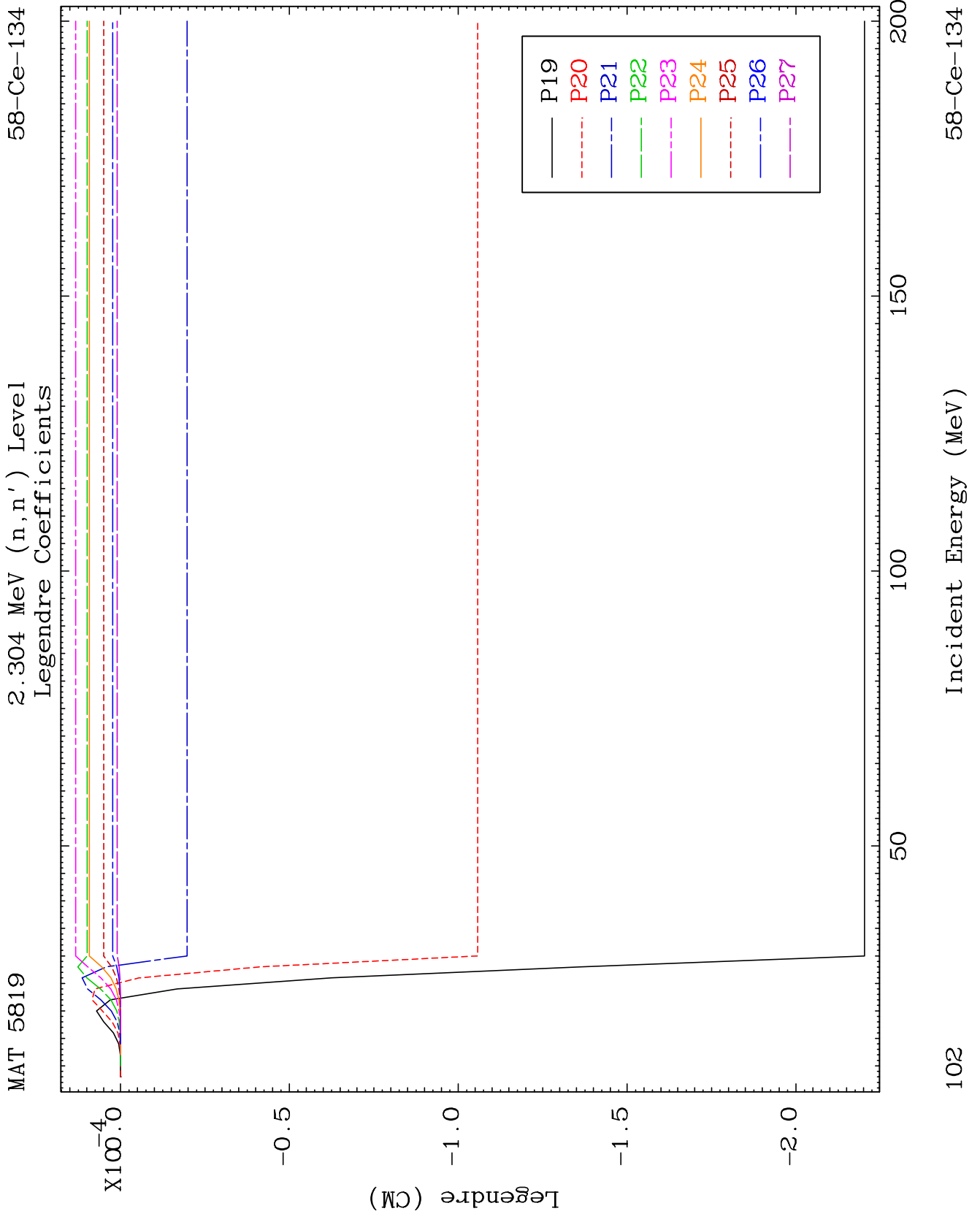
98

Incident Energy (MeV)

58-Ce-134



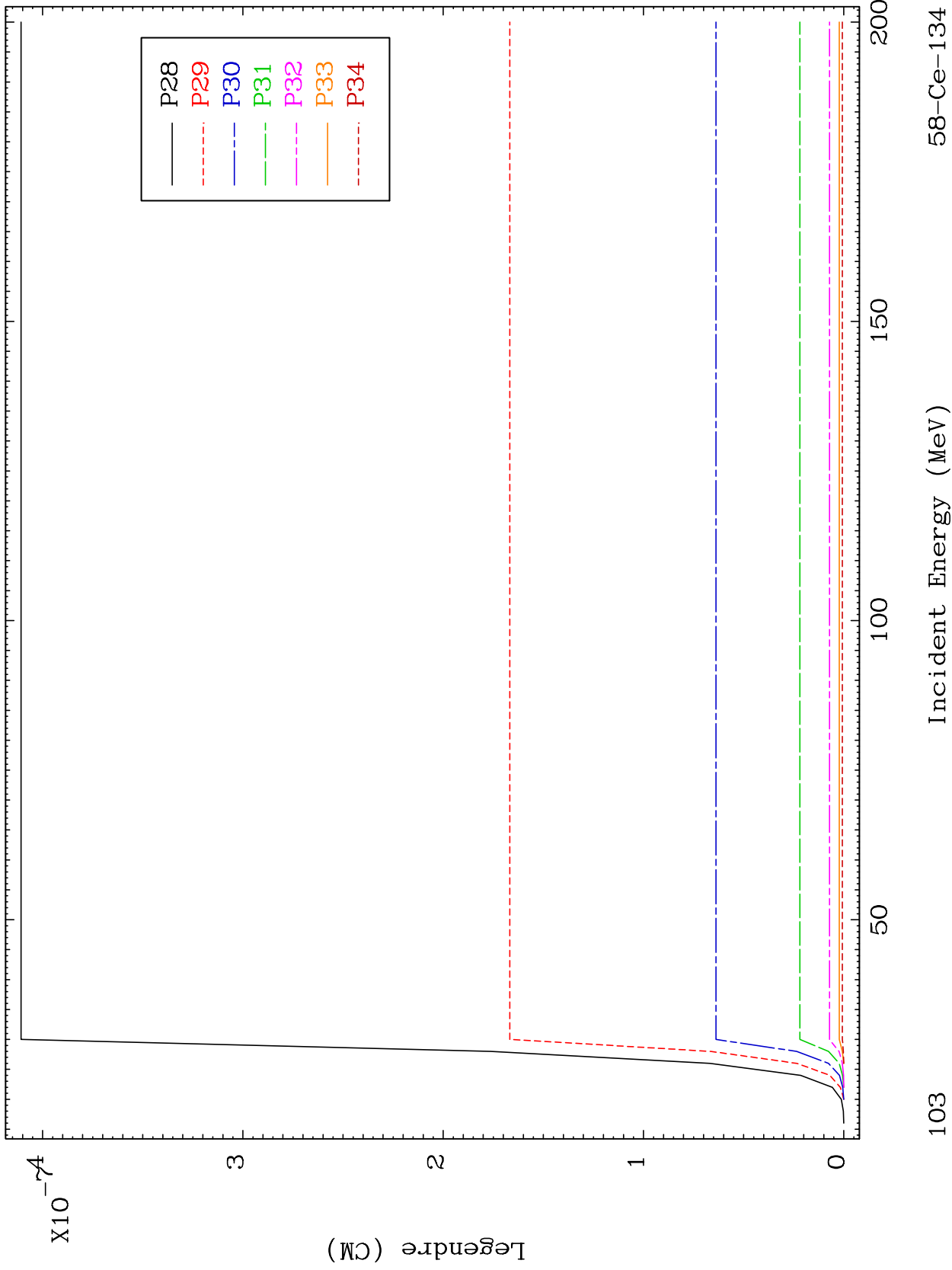




MAT 5819

2.304 MeV (n,n') Level
Legendre Coefficients

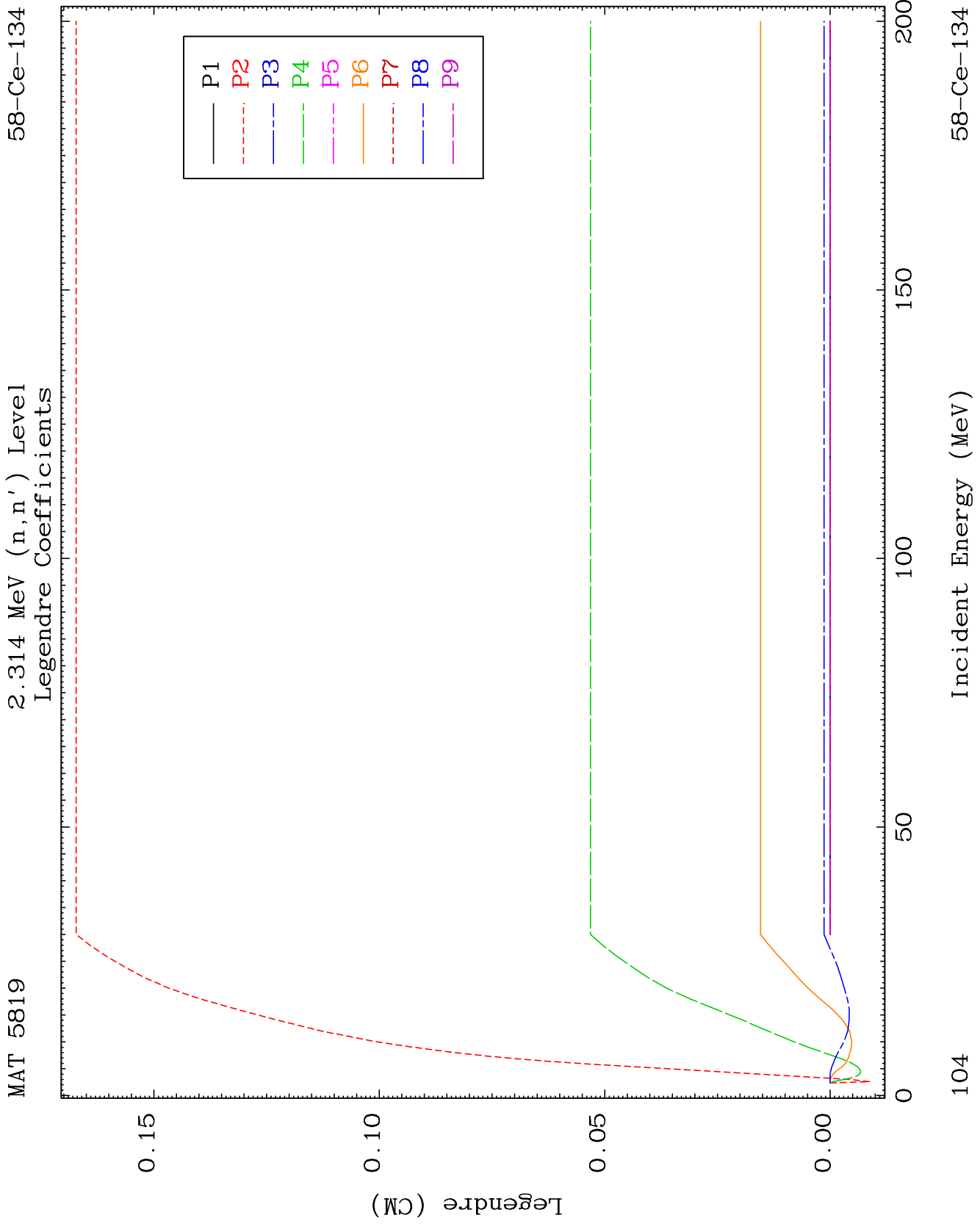
58-Ce-134



103

Incident Energy (MeV)

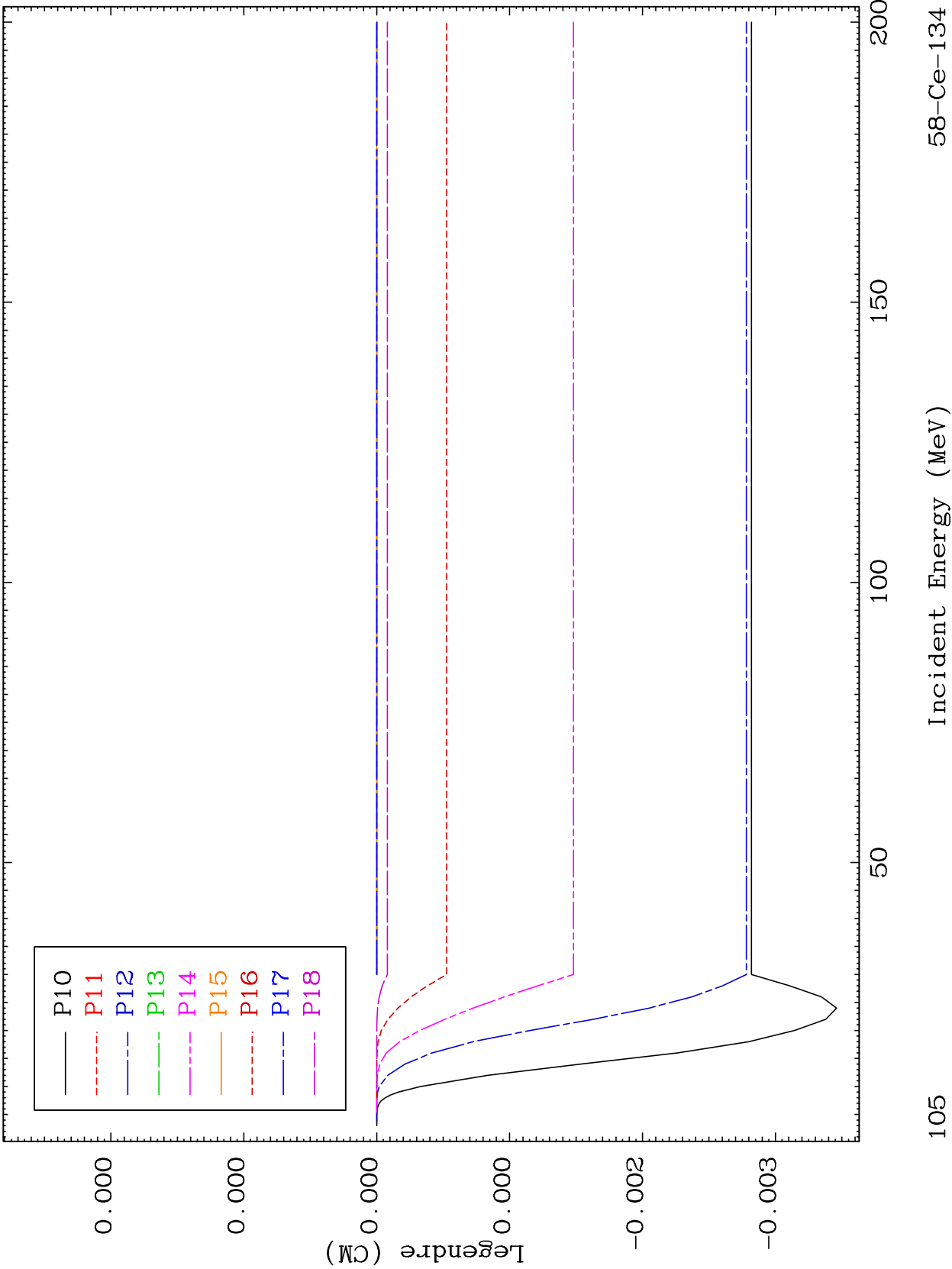
58-Ce-134



MAT 5819

2.314 MeV (n,n') Level
Legendre Coefficients

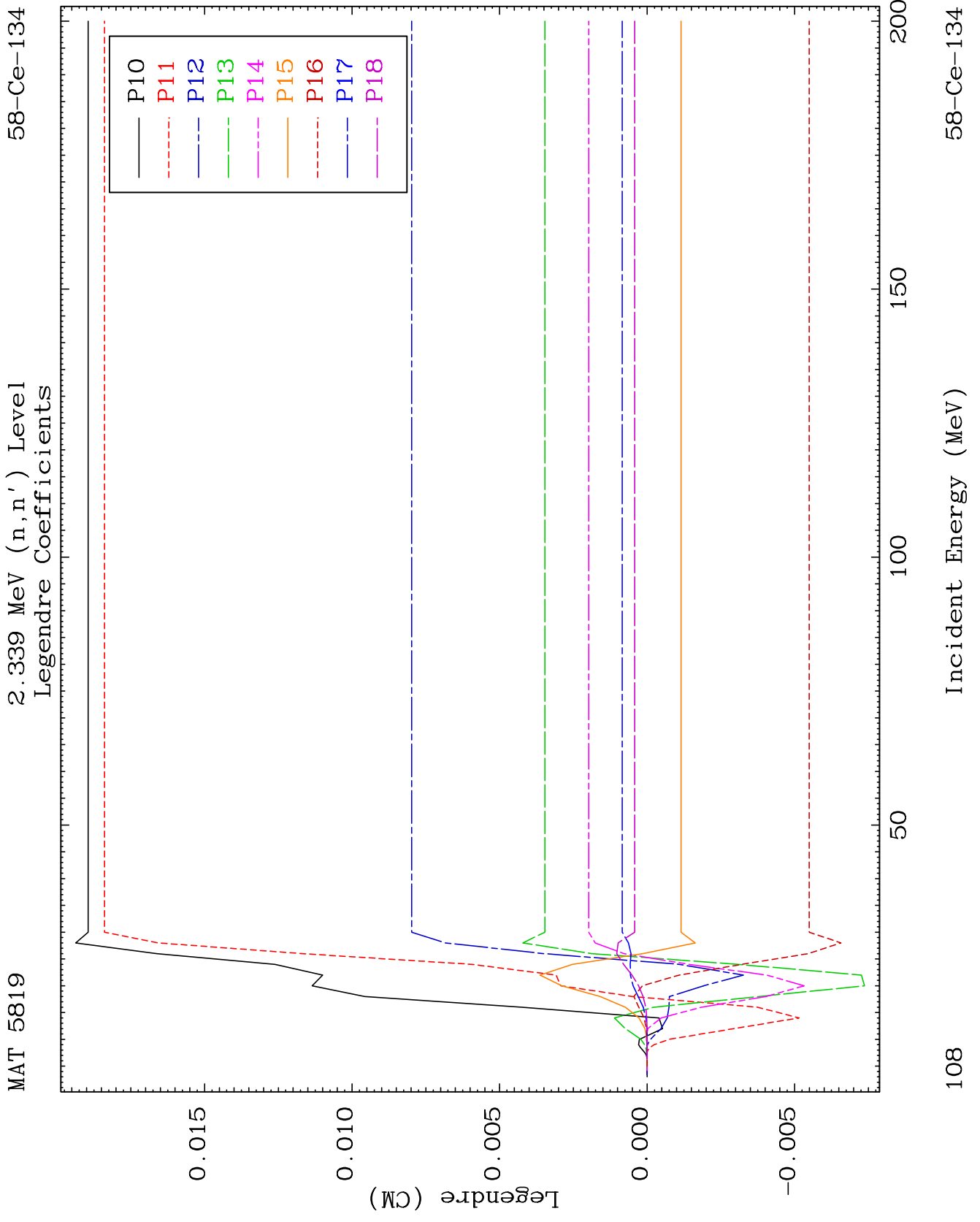
58-Ce-134

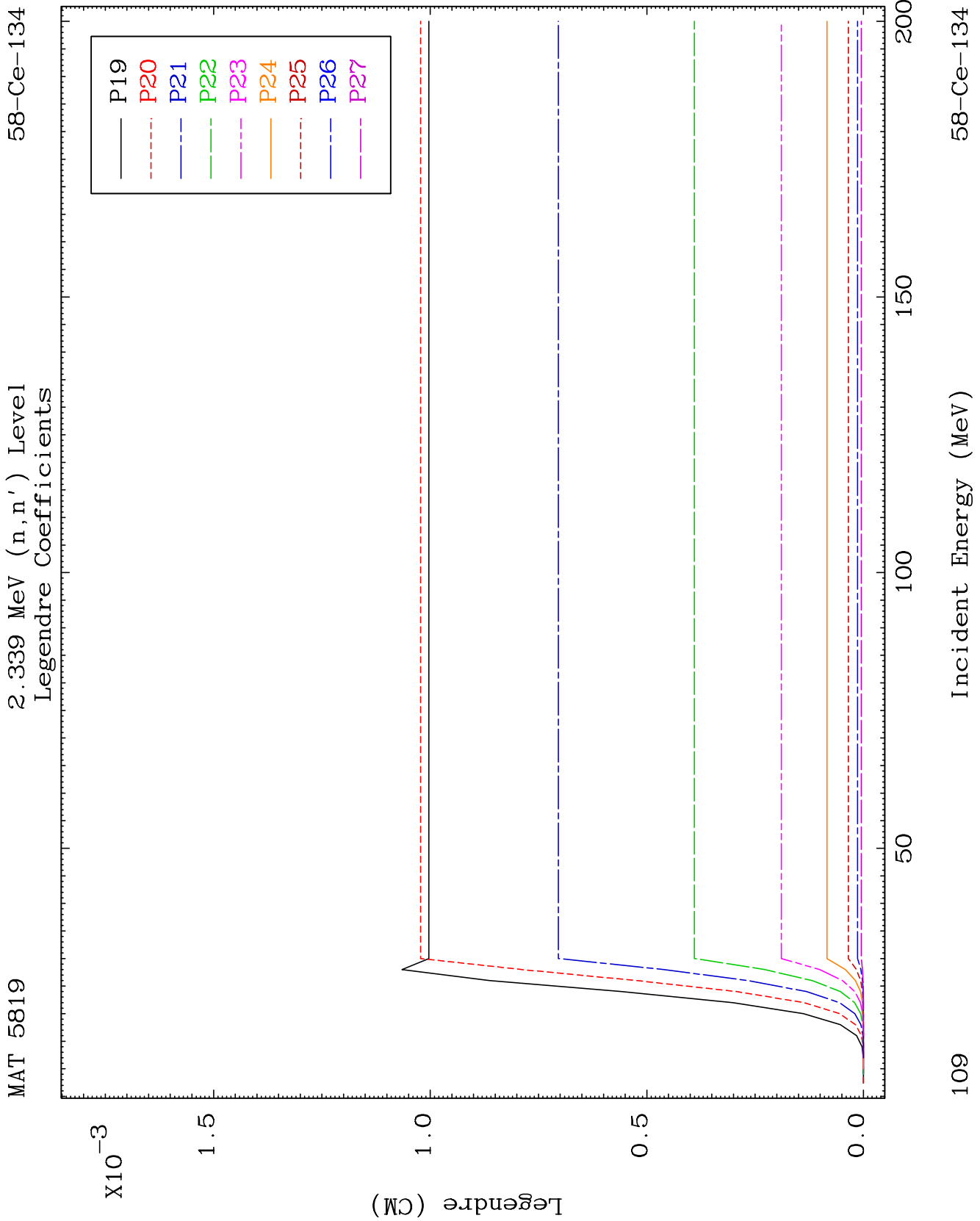


105

Incident Energy (MeV)

58-Ce-134

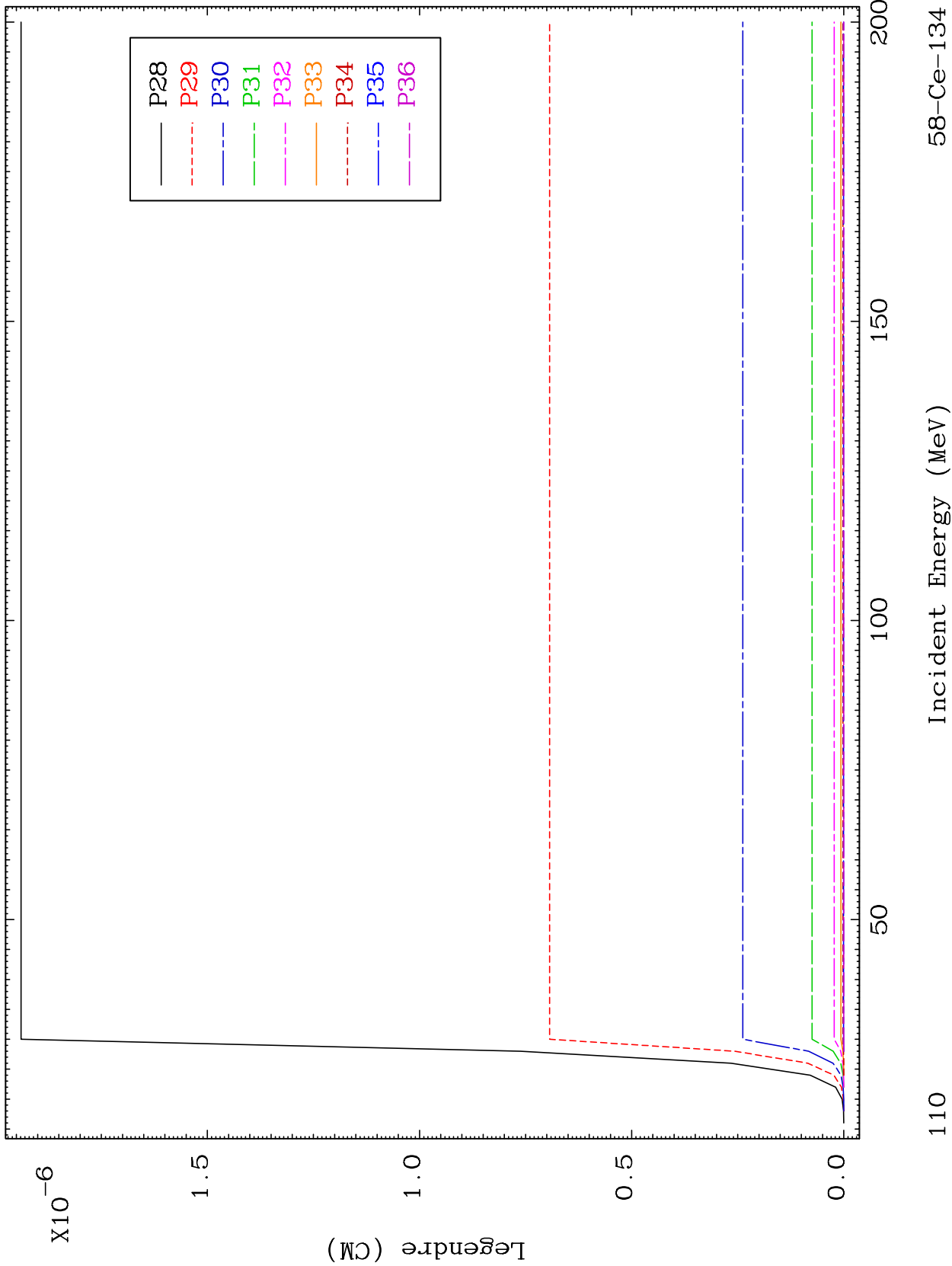




MAT 5819

2.339 MeV (n,n') Level
Legendre Coefficients

58-Ce-134



110

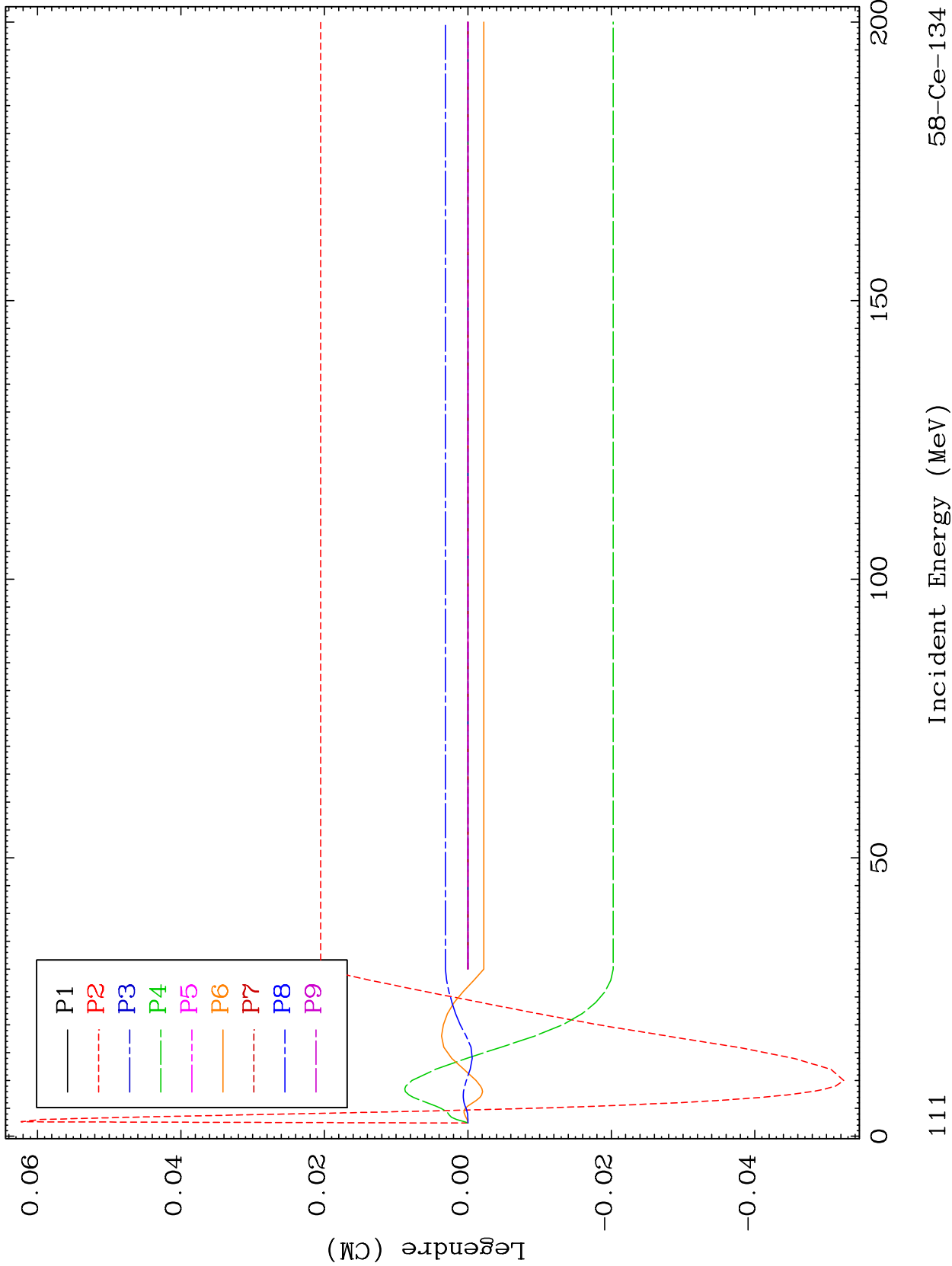
Incident Energy (MeV)

58-Ce-134

MAT 5819

2.359 MeV (n,n') Level
Legendre Coefficients

58-Ce-134



111

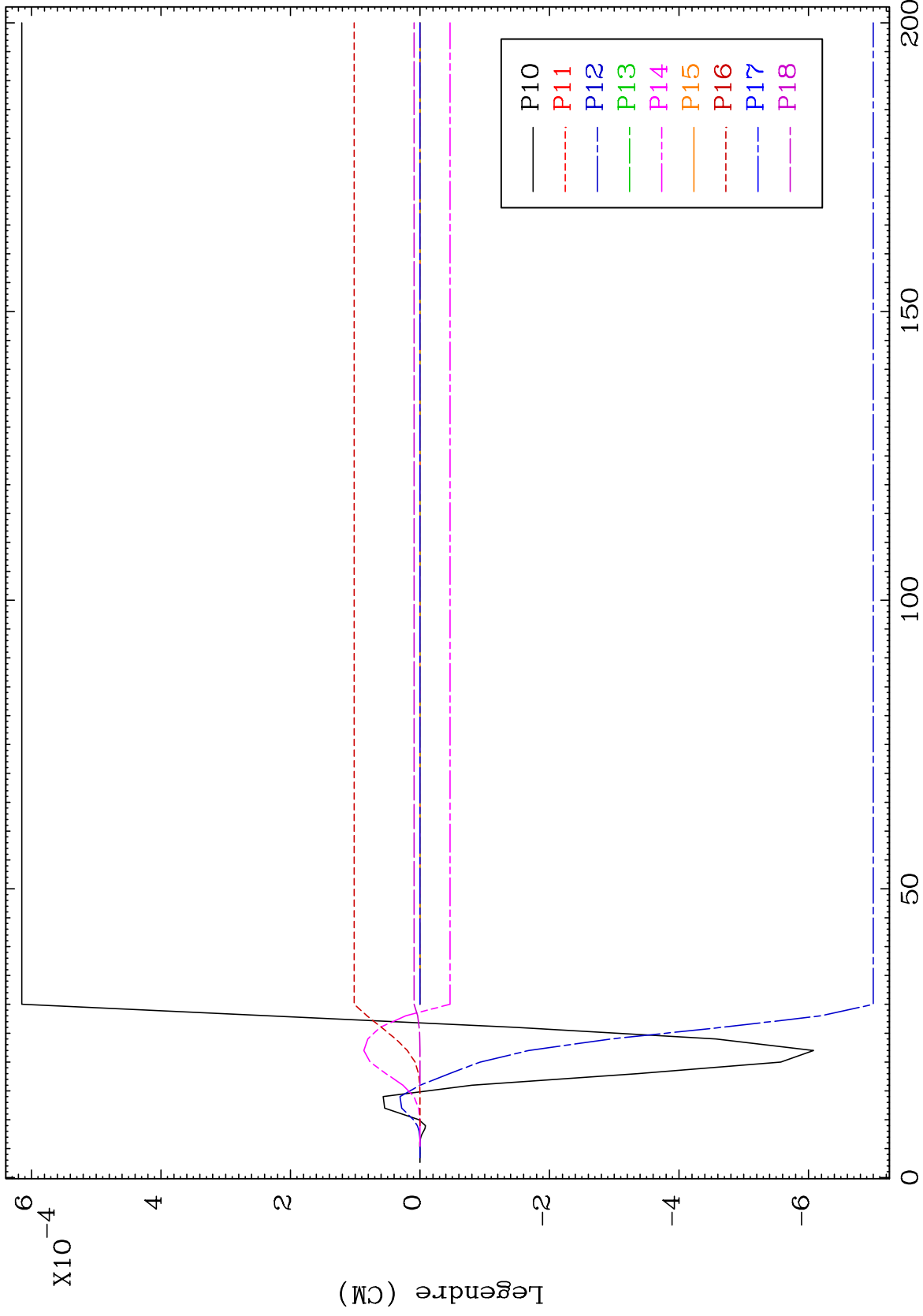
Incident Energy (MeV)

58-Ce-134

MAT 5819

2.359 MeV (n,n') Level
Legendre Coefficients

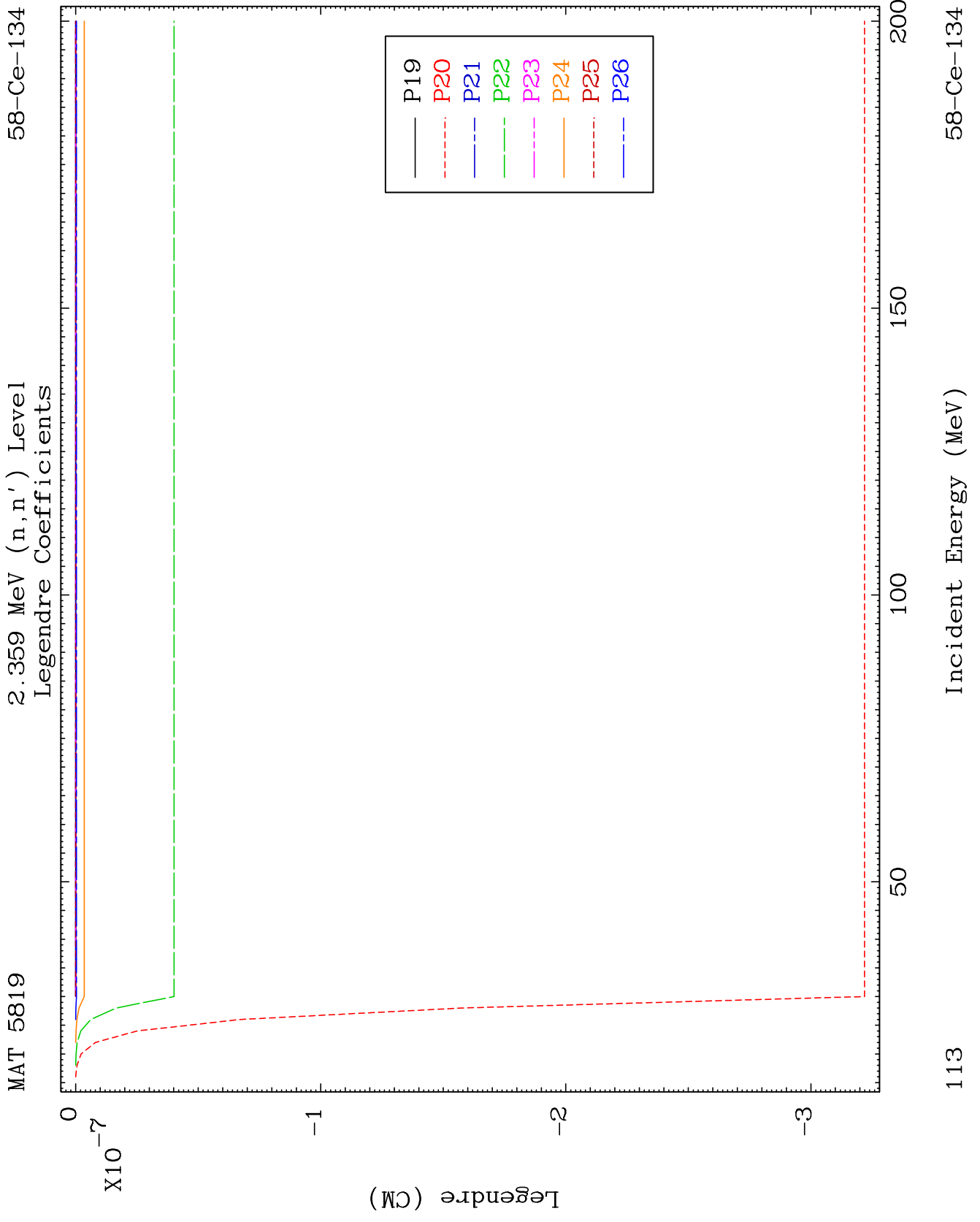
58-Ce-134

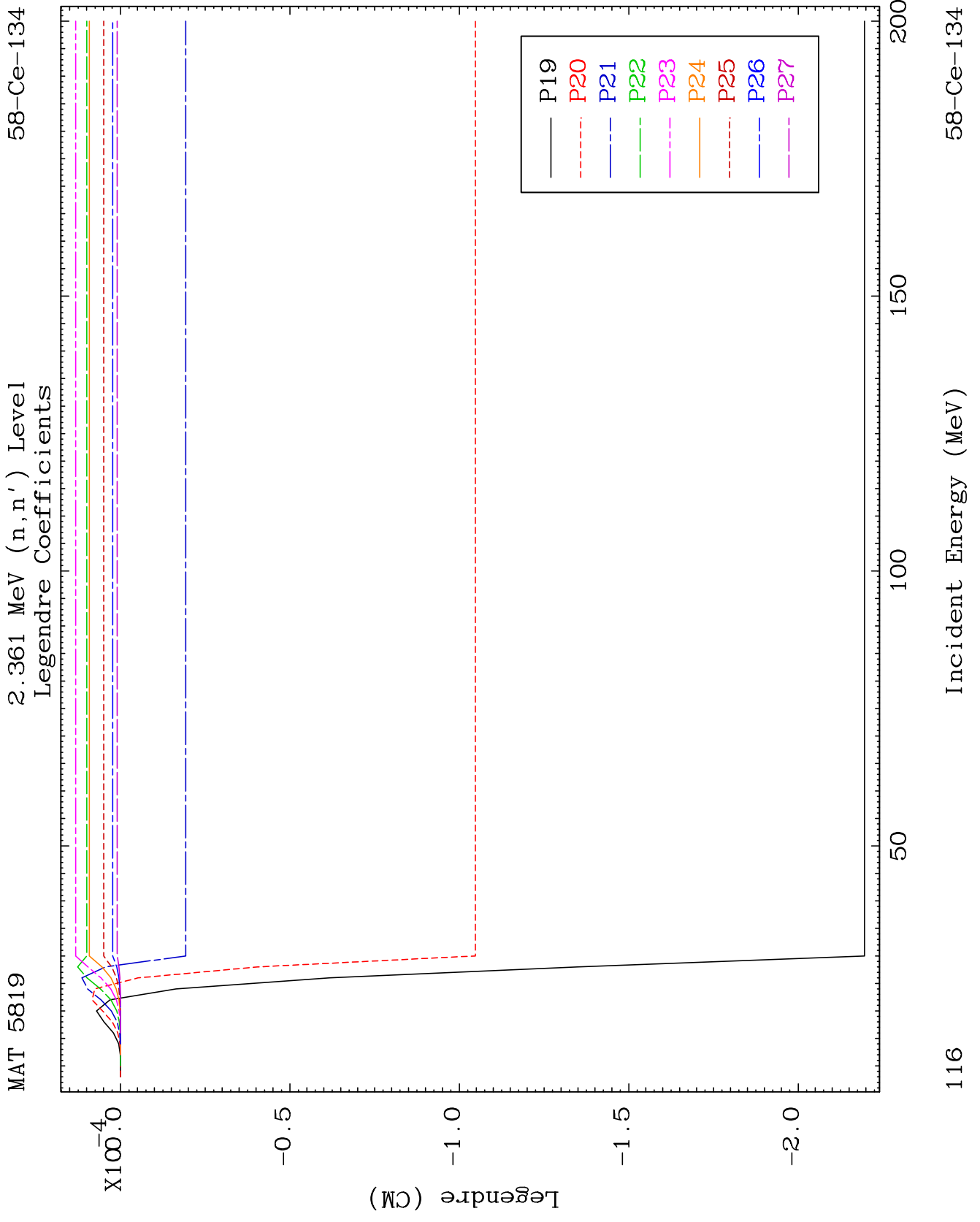


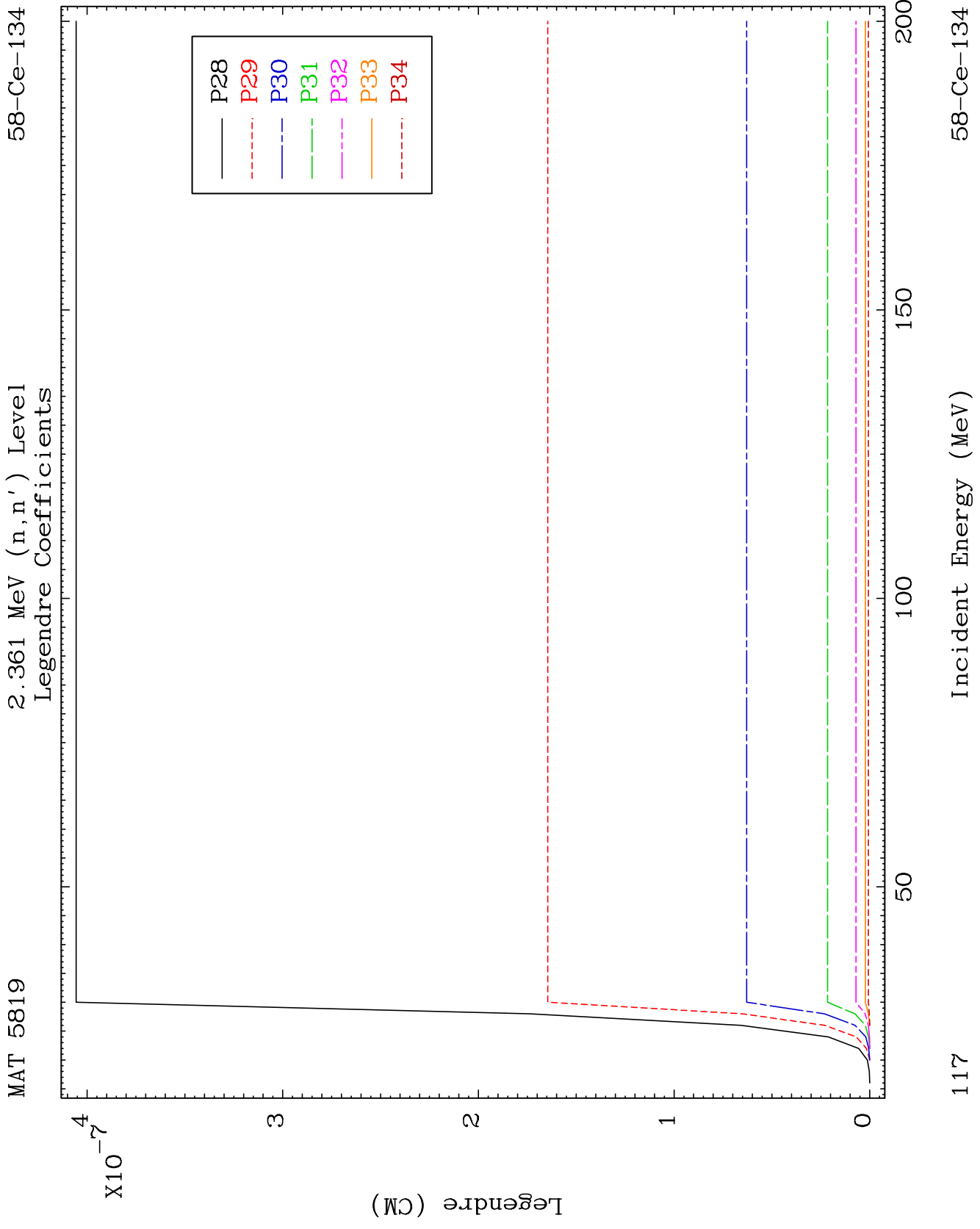
112

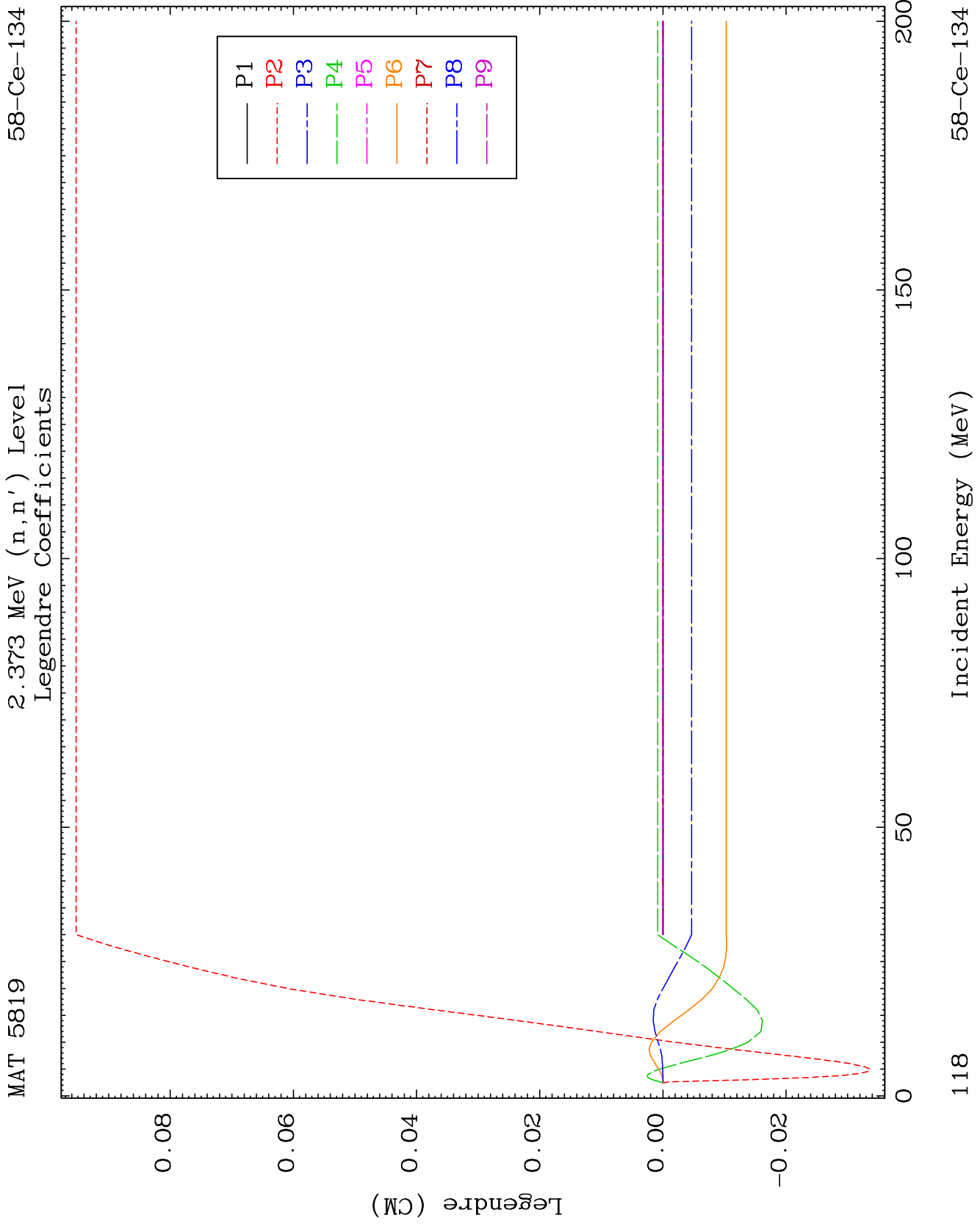
Incident Energy (MeV)

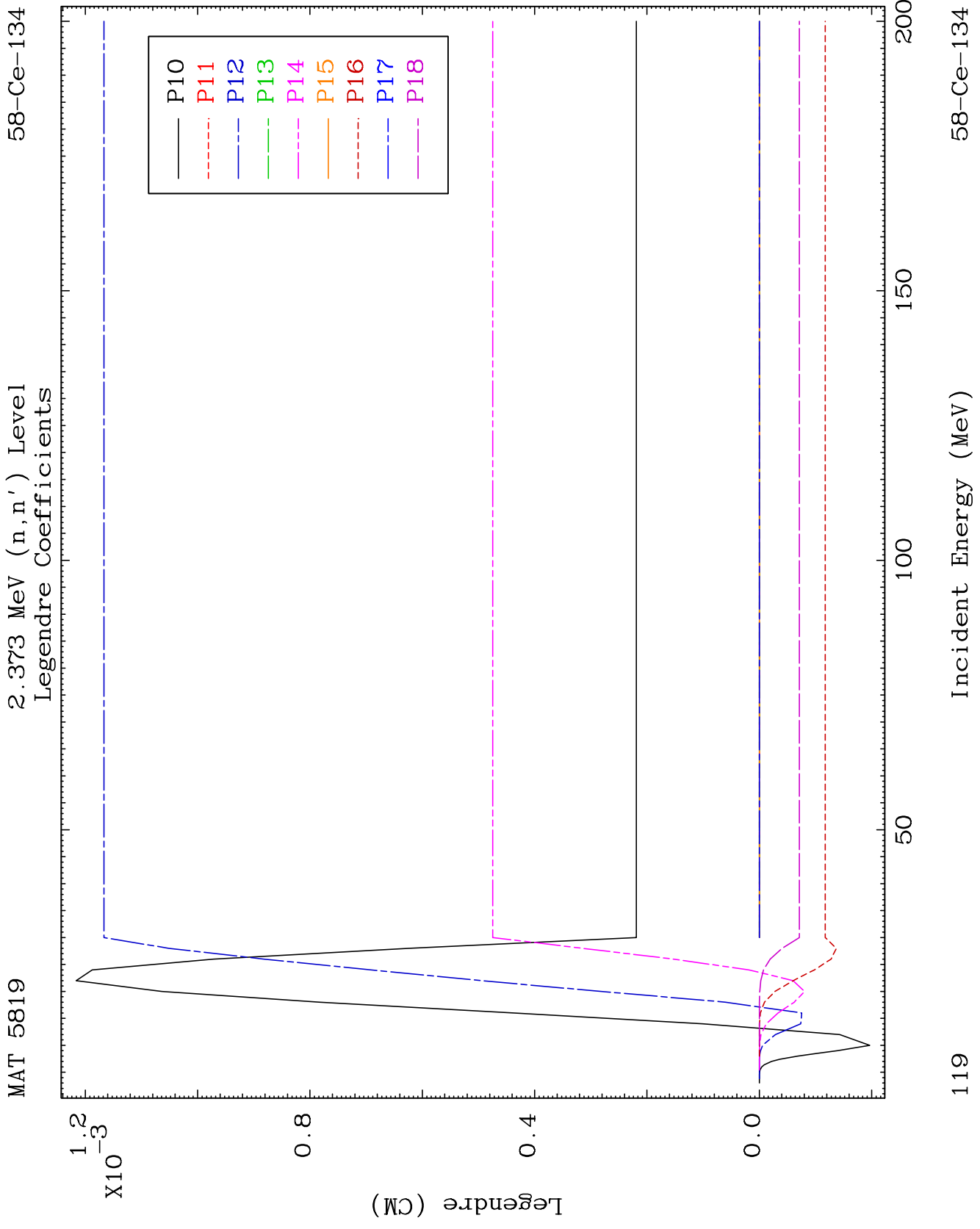
58-Ce-134

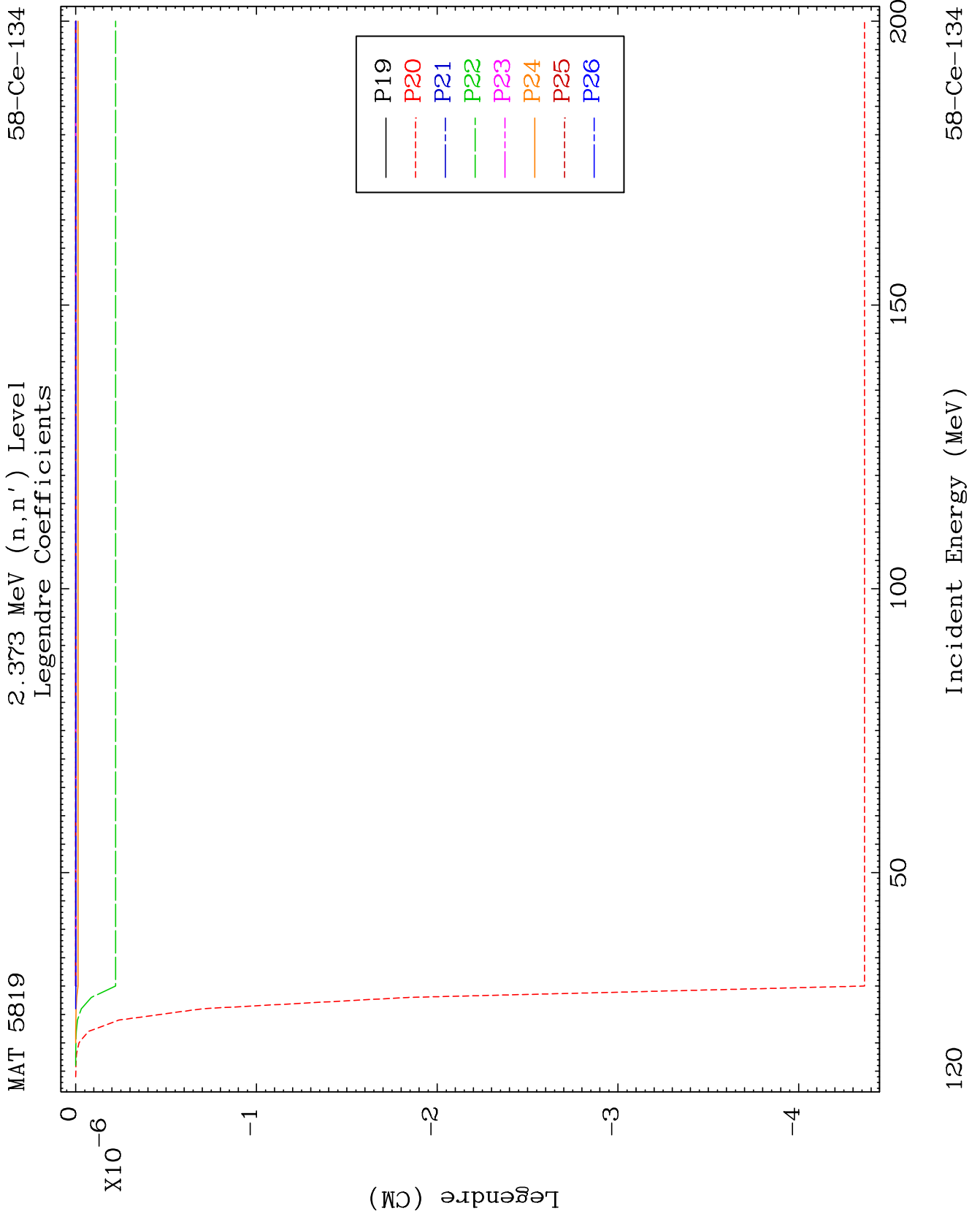








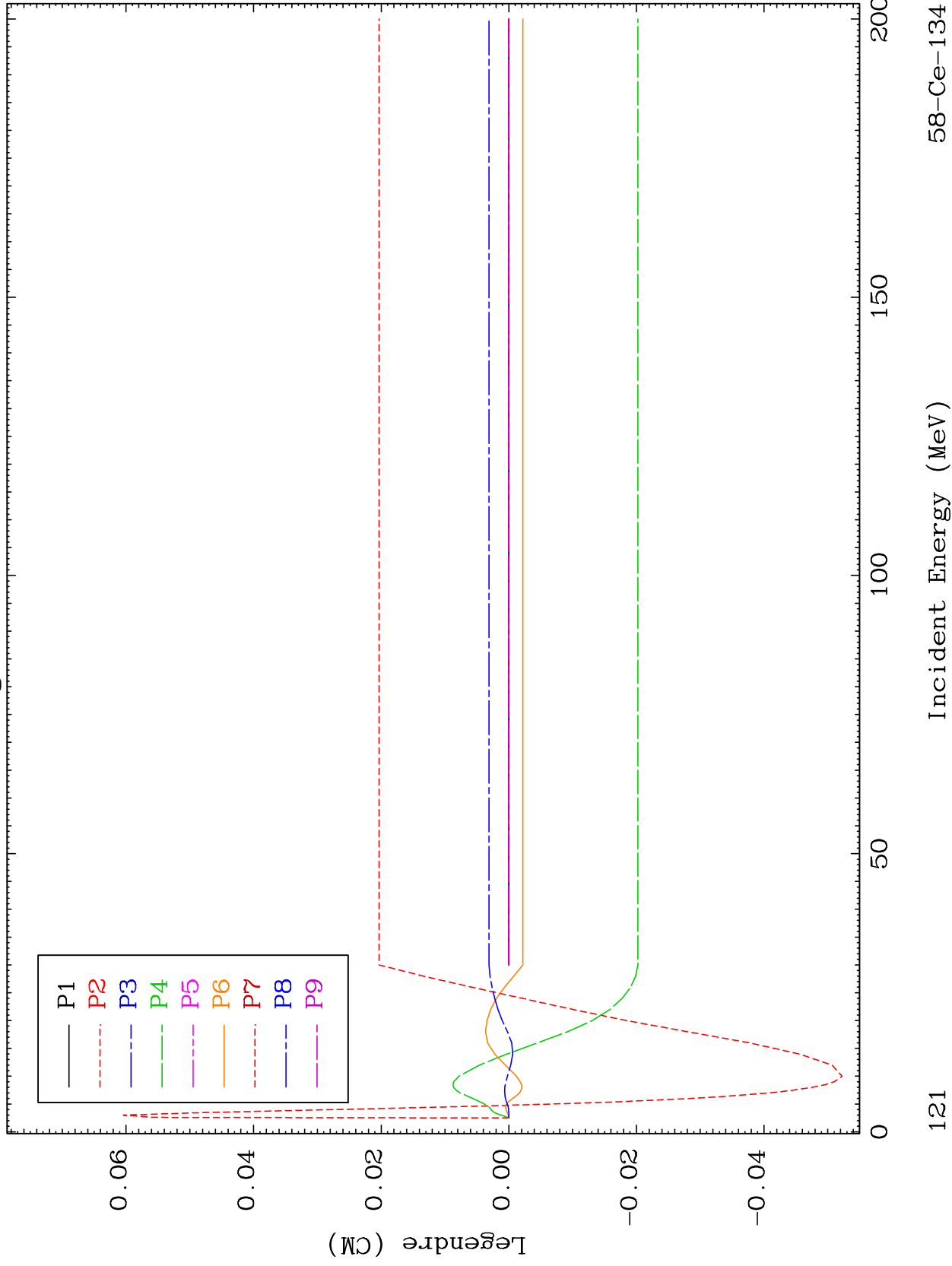




MAT 5819

2.474 MeV (n,n') Level
Legendre Coefficients

58-Ce-134



58-Ce-134

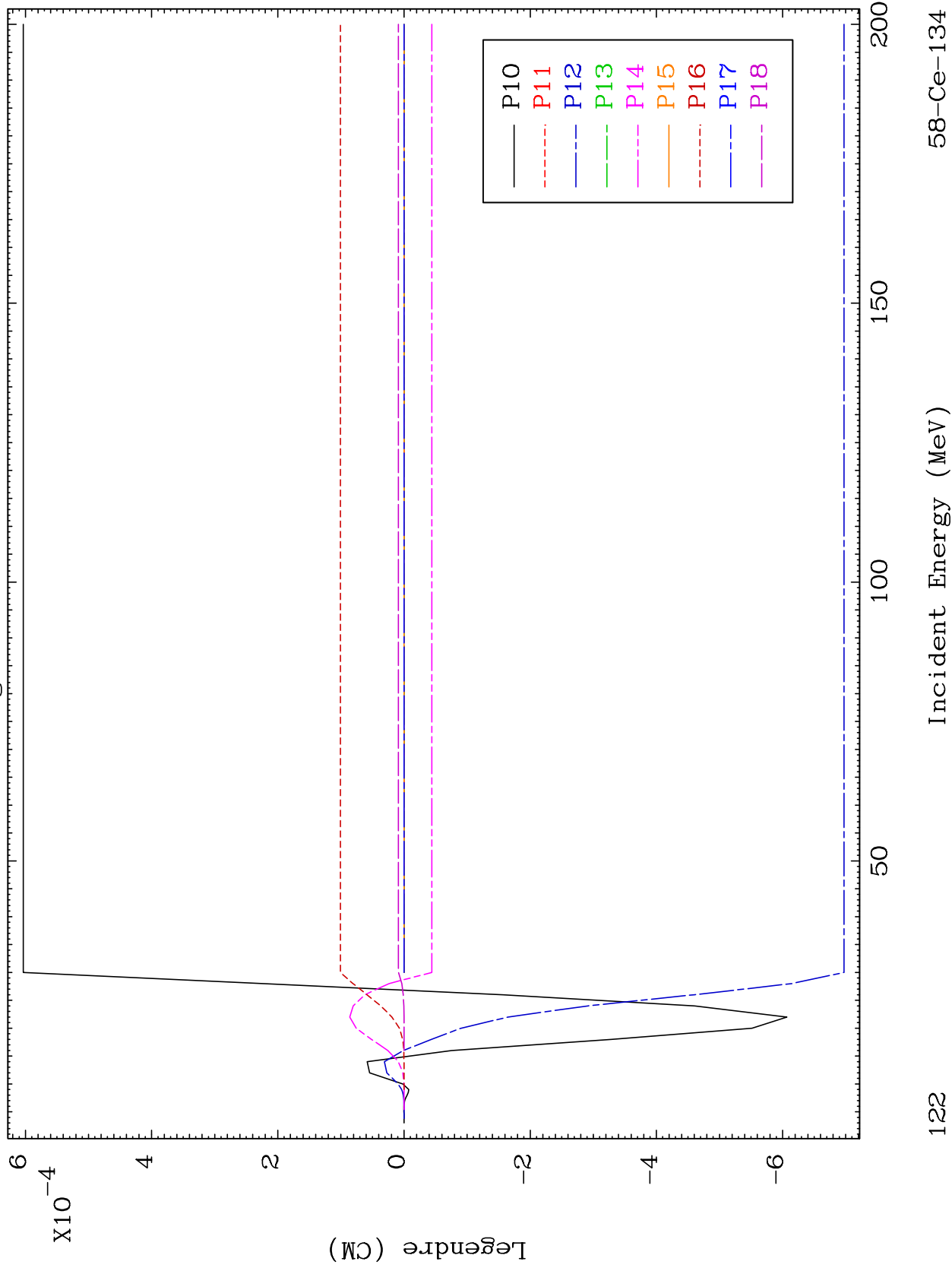
Incident Energy (MeV)

121

MAT 5819

2.474 MeV (n,n') Level
Legendre Coefficients

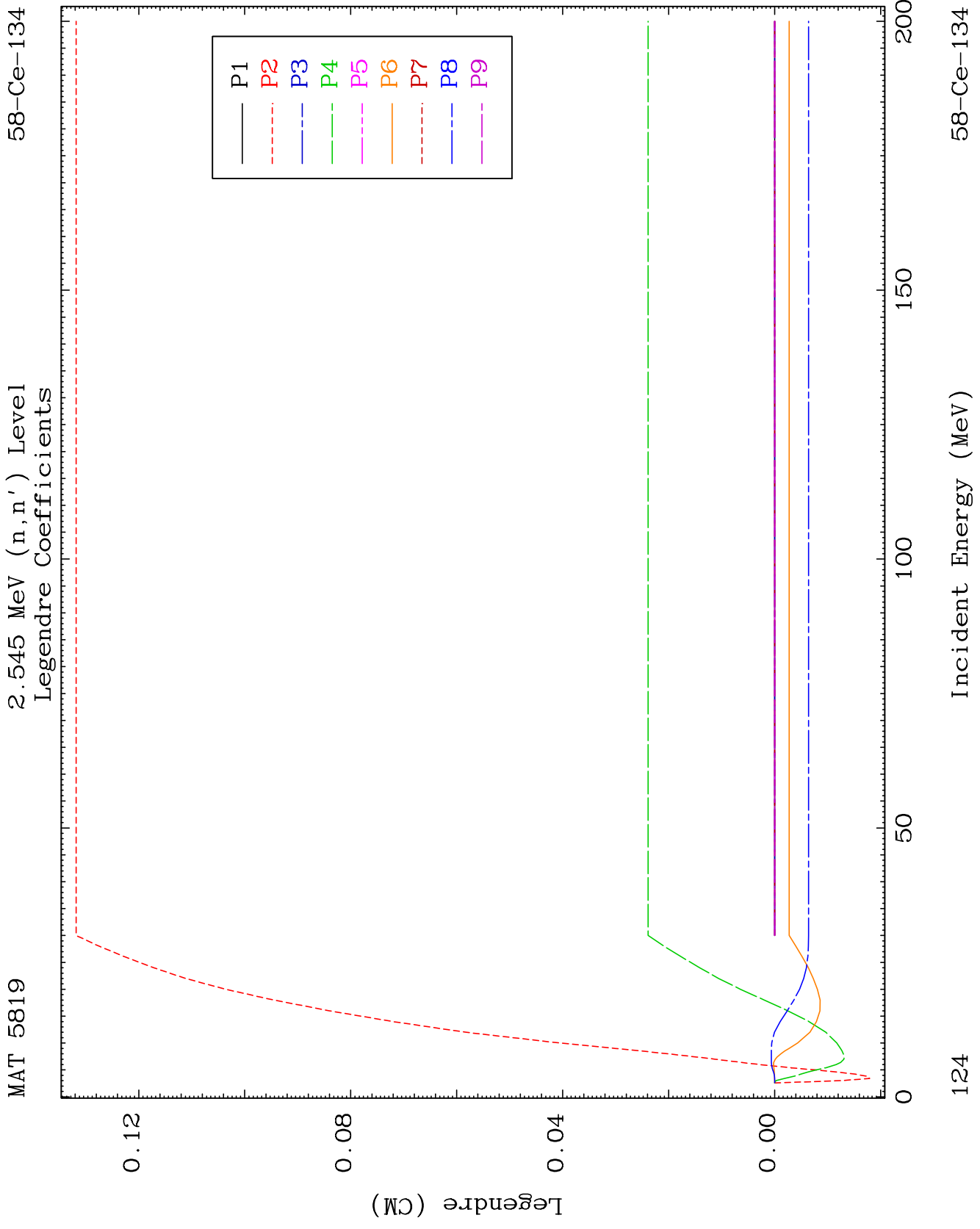
58-Ce-134

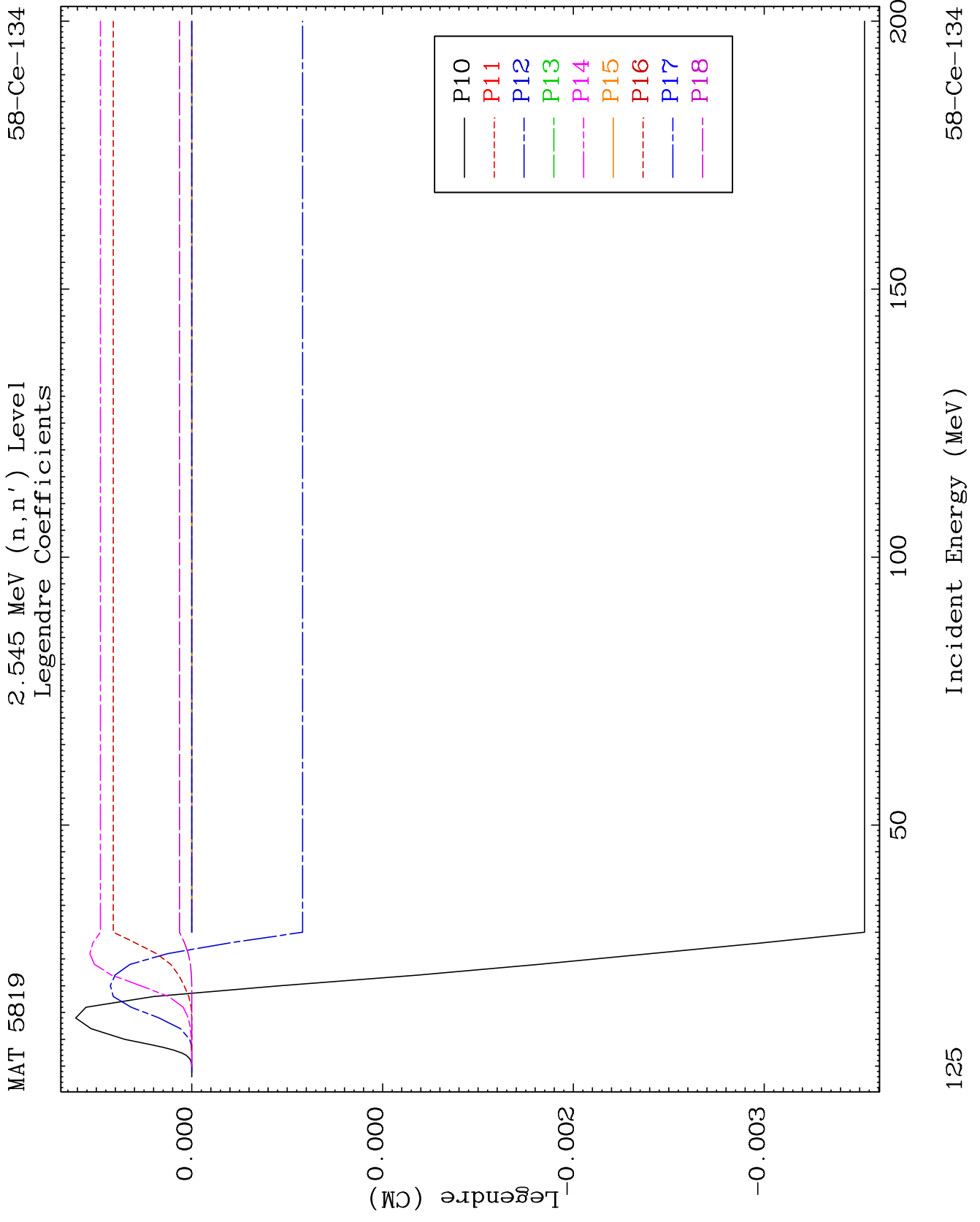


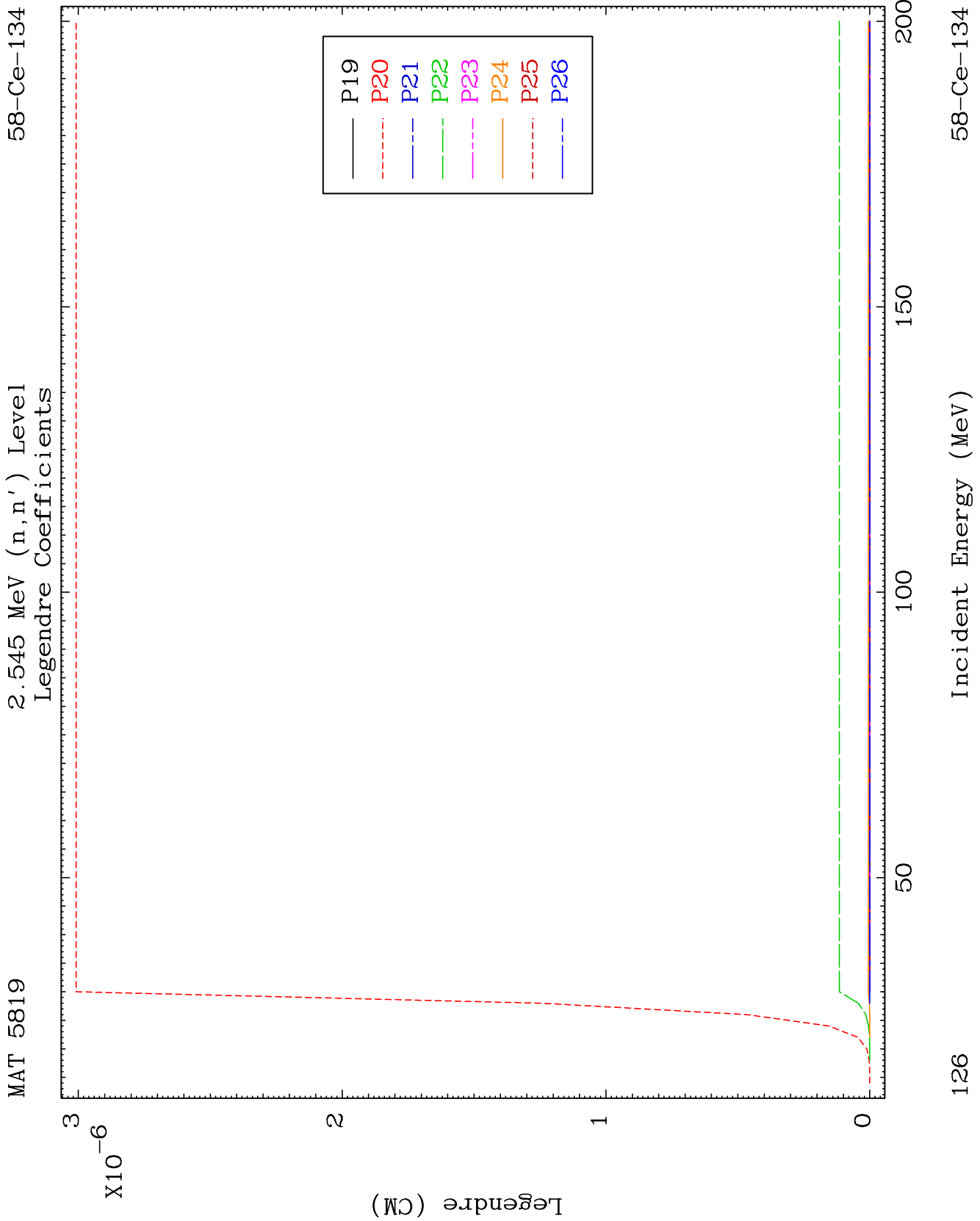
122

Incident Energy (MeV)

58-Ce-134





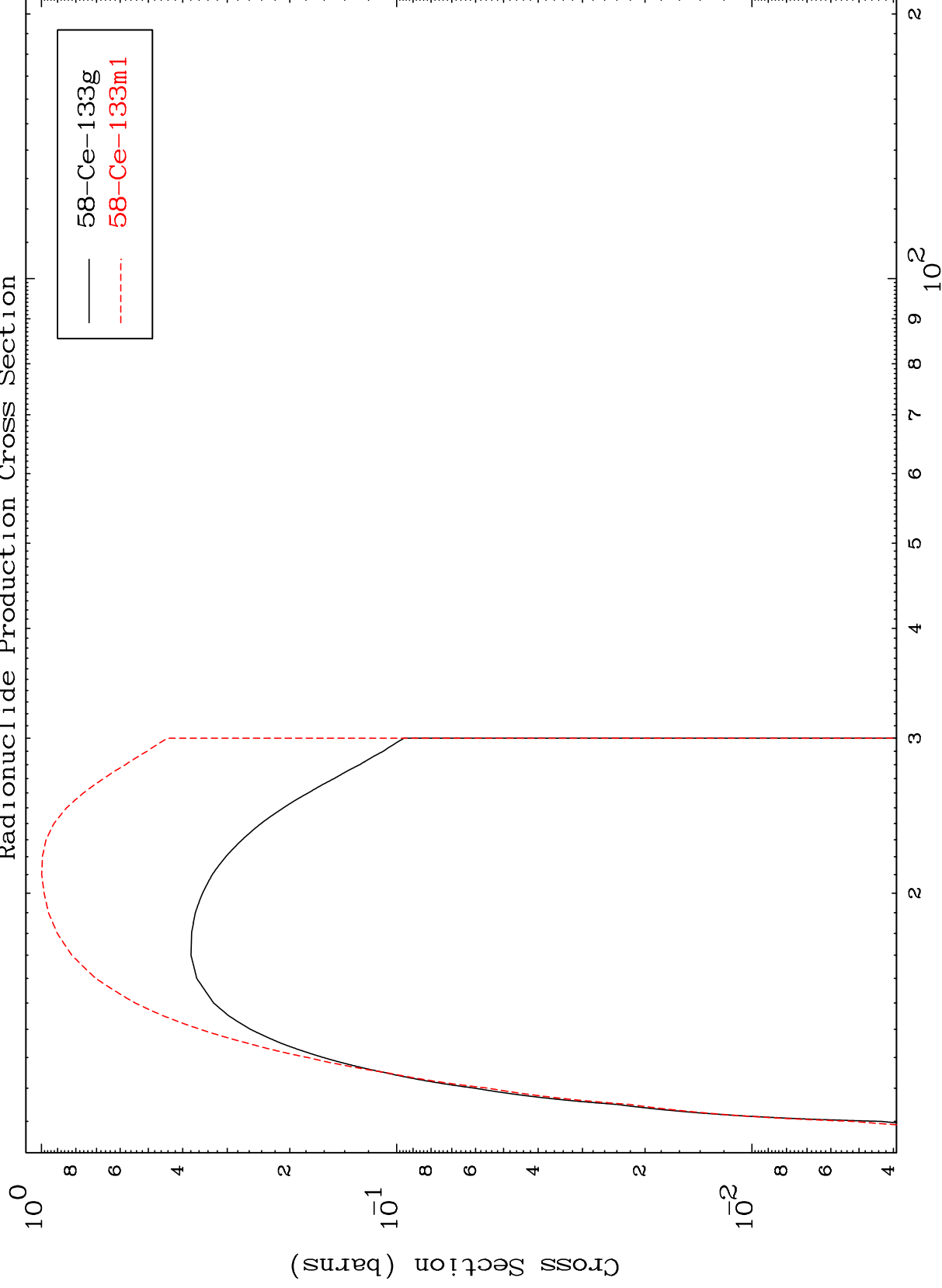


MAT 5819

58-Ce-134

(n,2n)

Radionuclide Production Cross Section



127

Incident Energy (MeV)

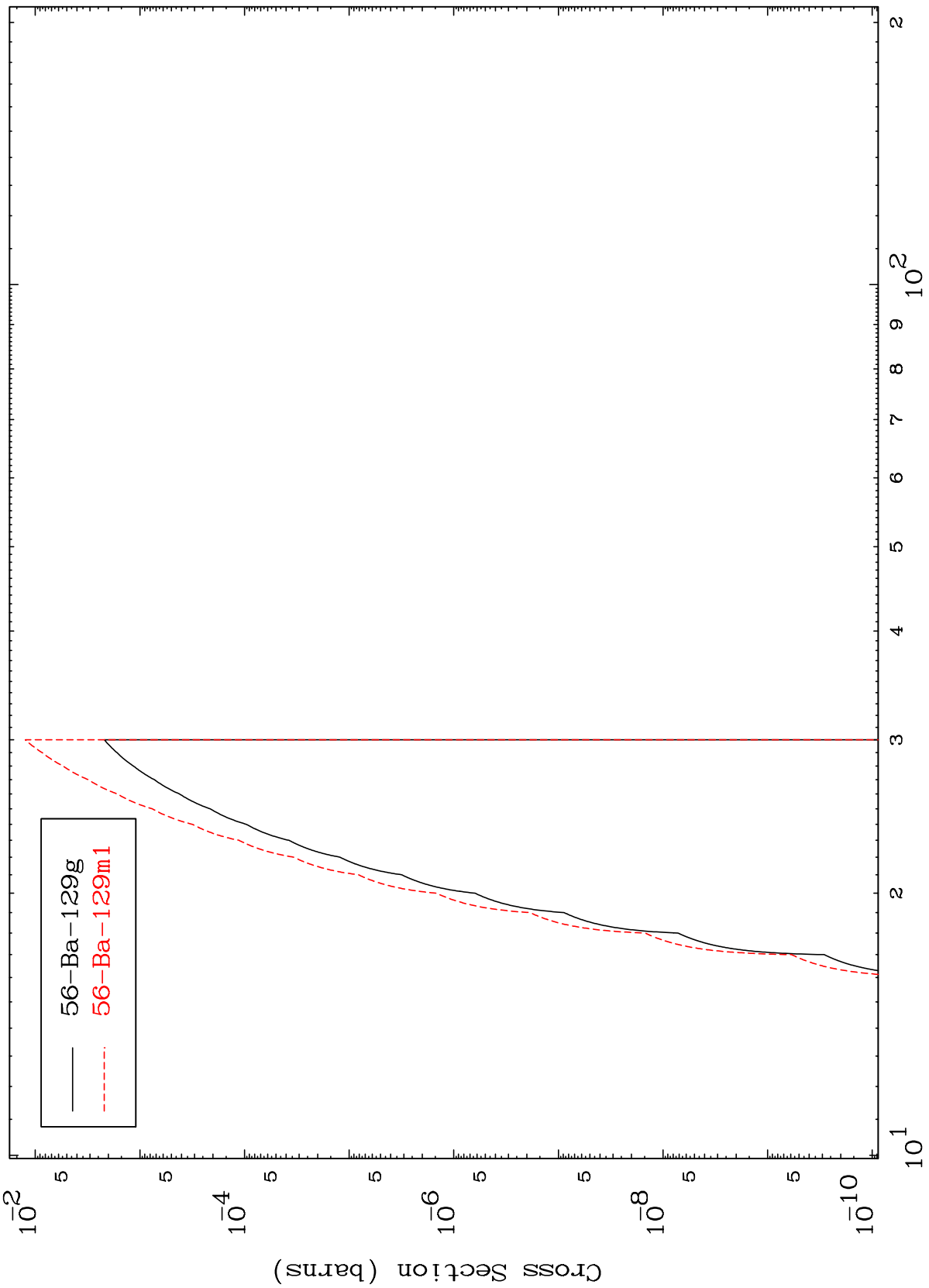
58-Ce-134

MAT 5819

(n,2n) α

58-Ce-134

Radionuclide Production Cross Section

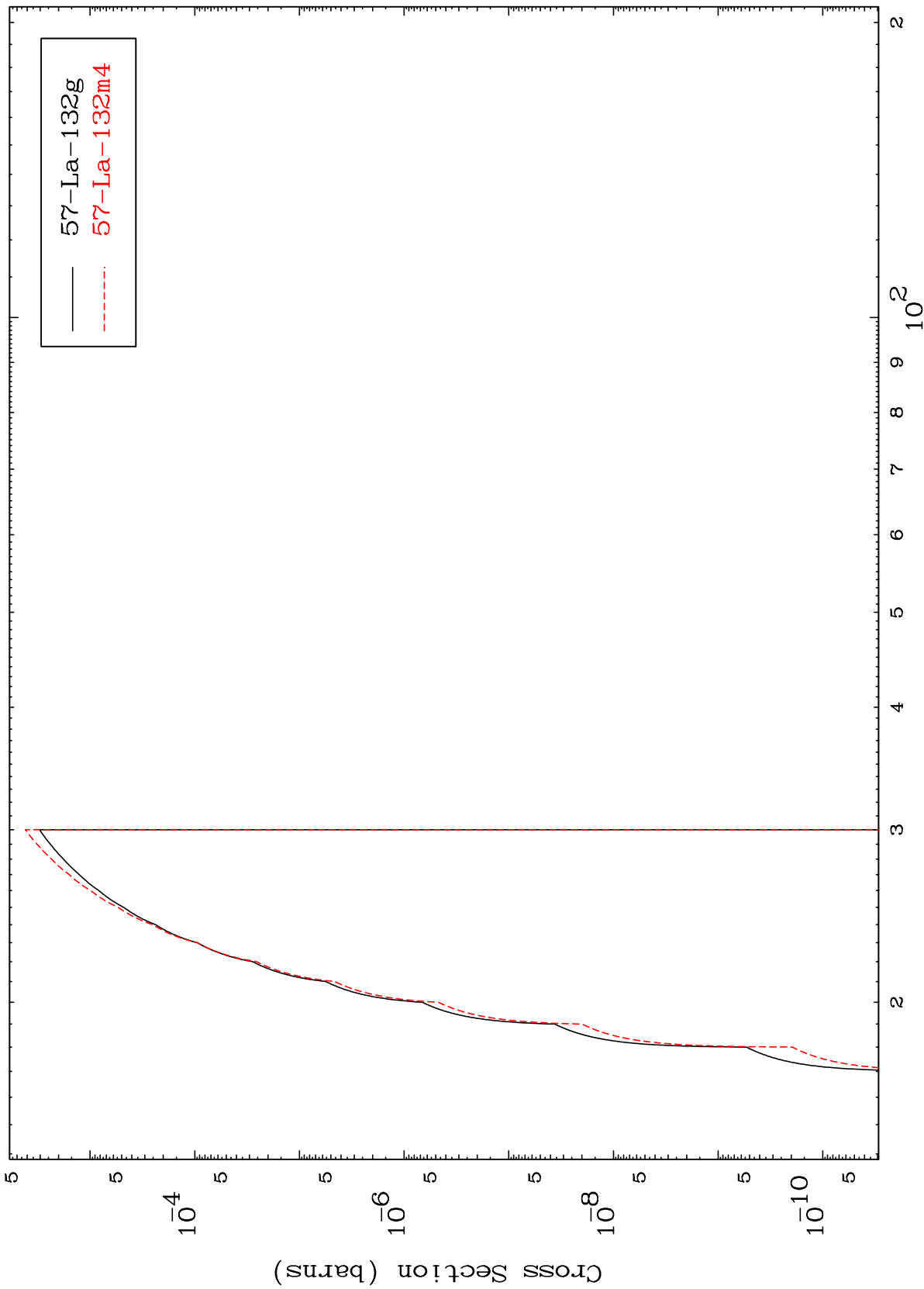


128

Incident Energy (MeV)

58-Ce-134

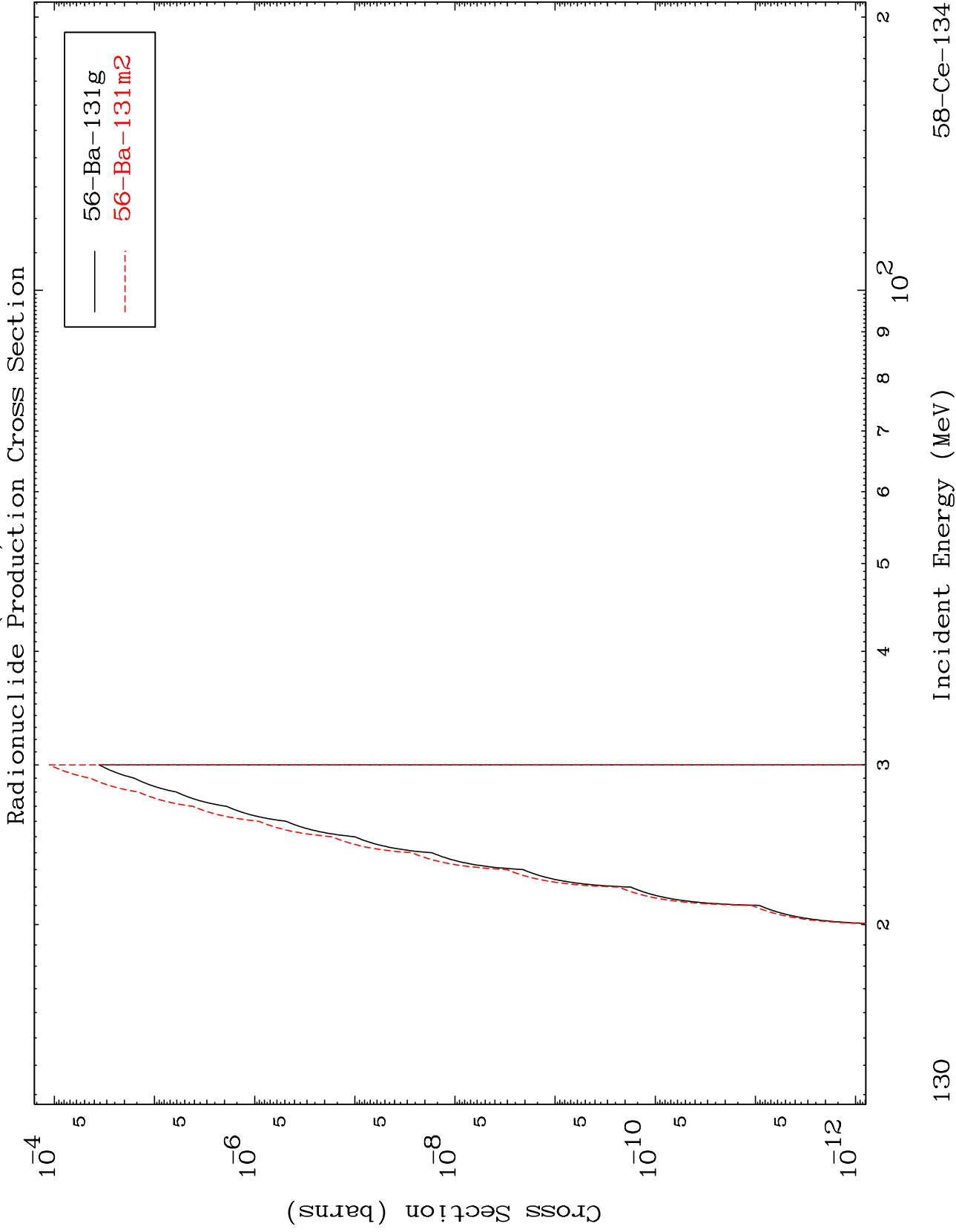
Radionuclide Production Cross Section



MAT 5819

(n,n') He-3

58-Ce-134



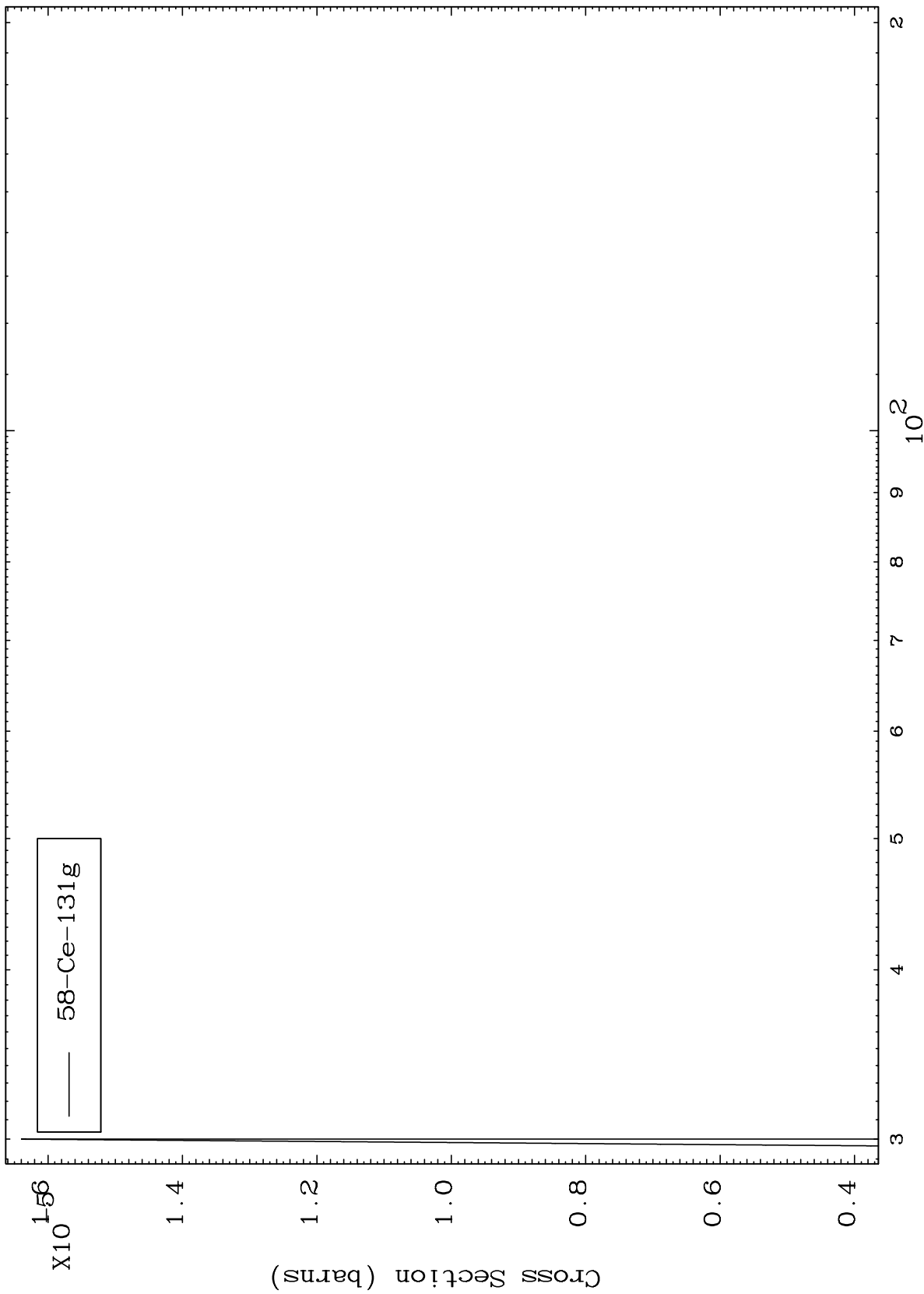
130

58-Ce-134

MAT 5819

58-Ce-134

(n,4n)
Radionuclide Production Cross Section



131

58-Ce-134

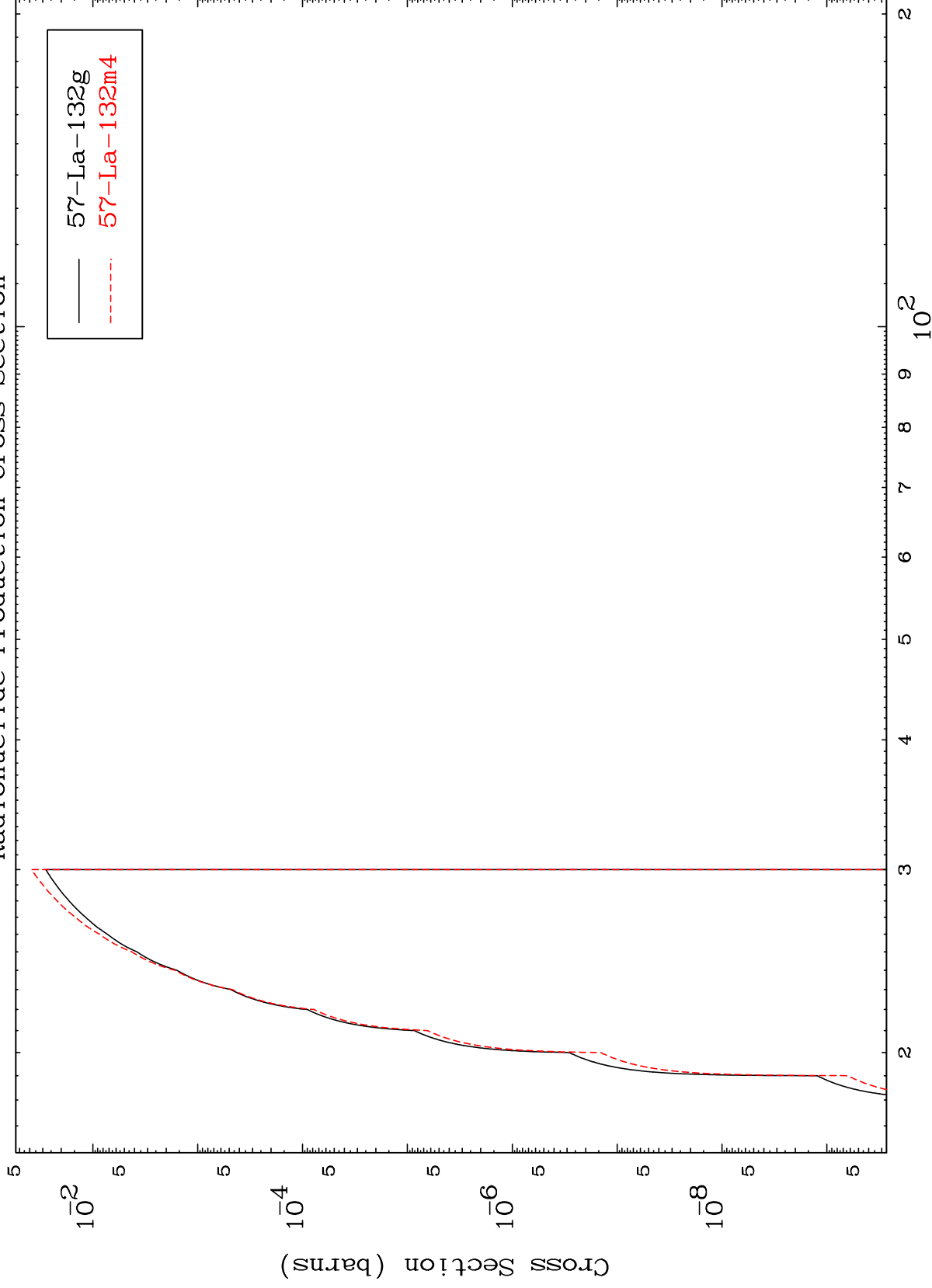
Incident Energy (MeV)

MAT 5819

(n,2n) p

58-Ce-134

Radionuclide Production Cross Section



132

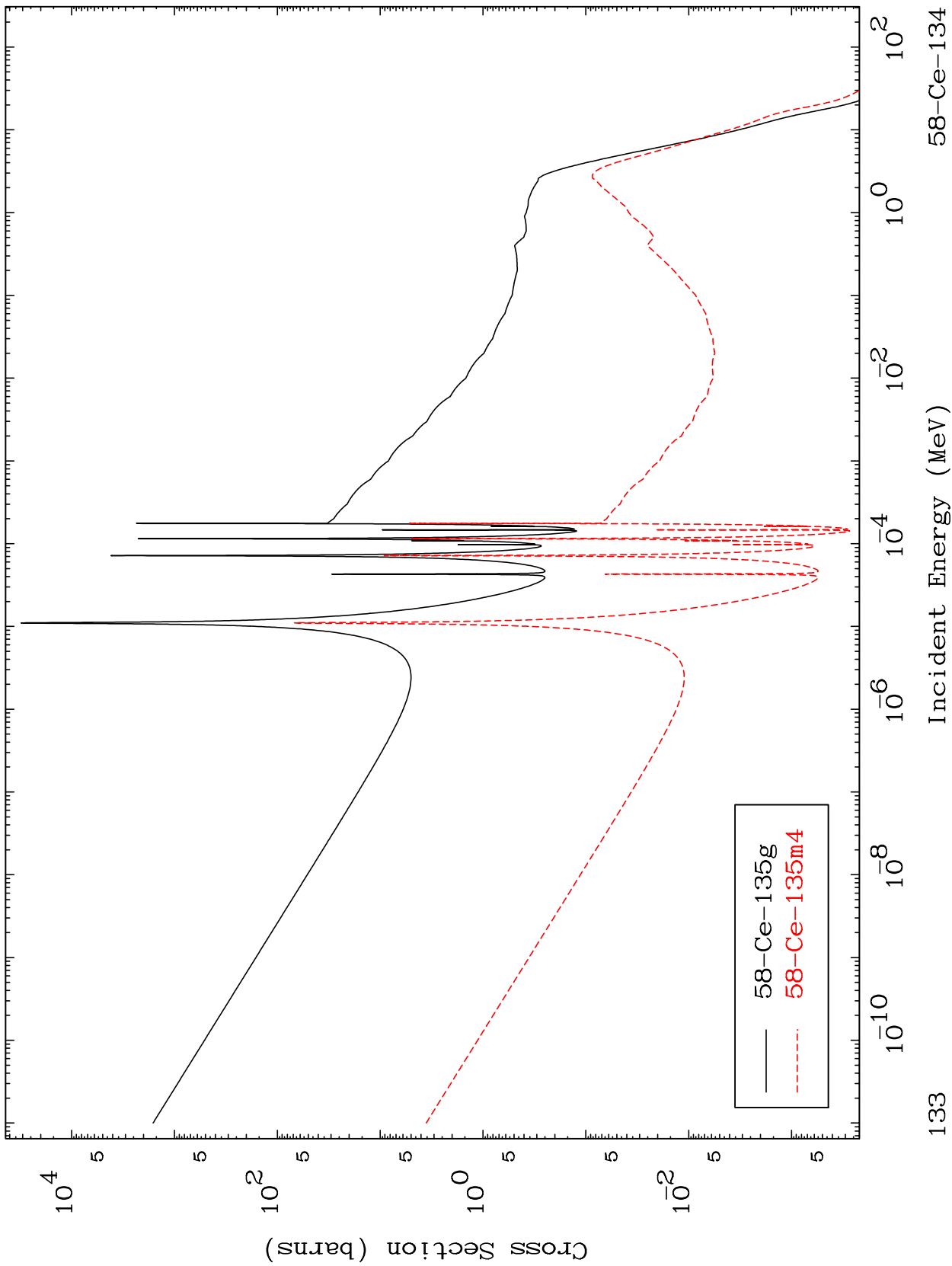
Incident Energy (MeV)

58-Ce-134

MAT 5819

58-Ce-134

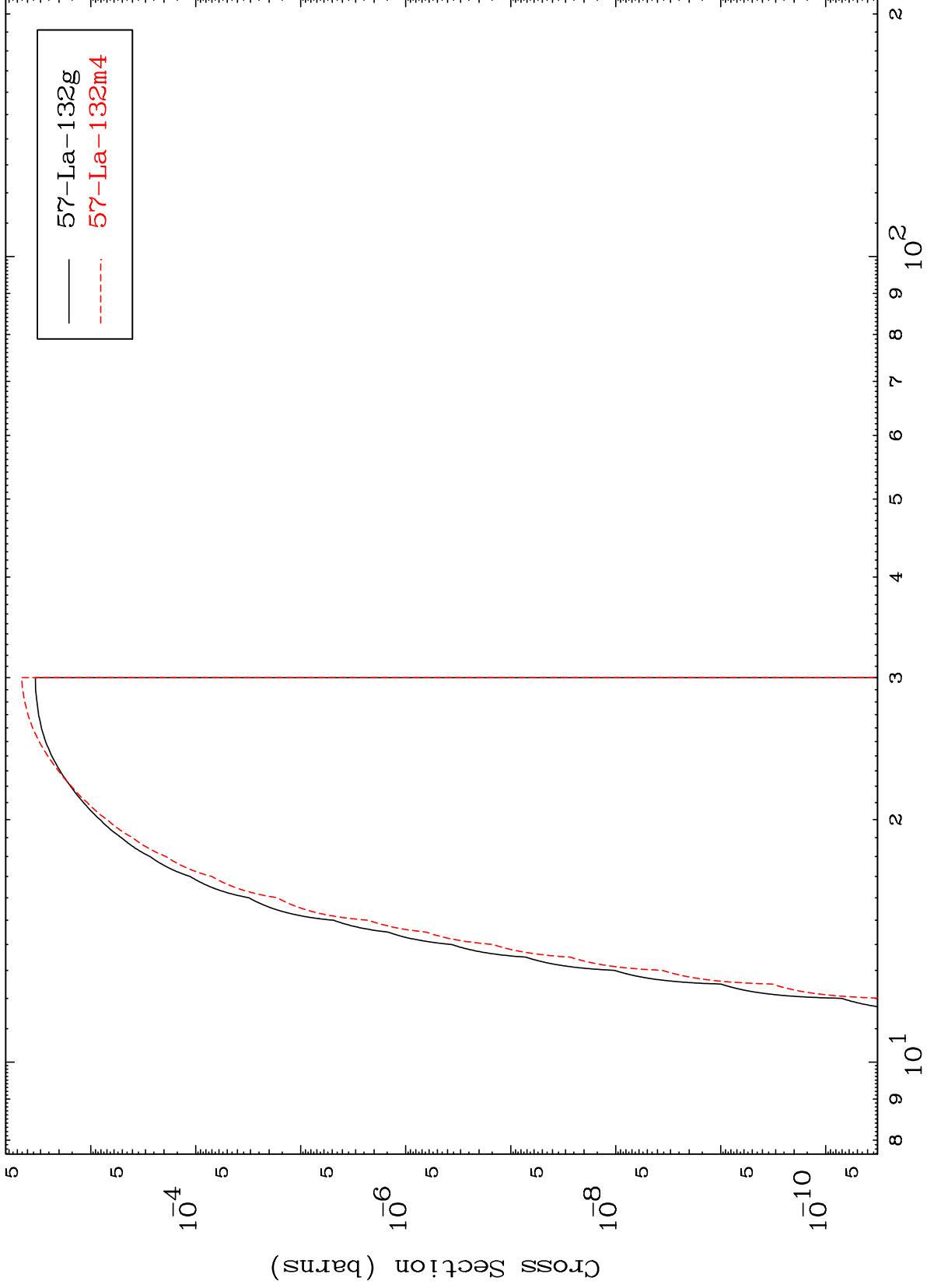
(n, γ)
Radionuclide Production Cross Section



MAT 5819

58-Ce-134

(n, t)
Radionuclide Production Cross Section



58-Ce-134

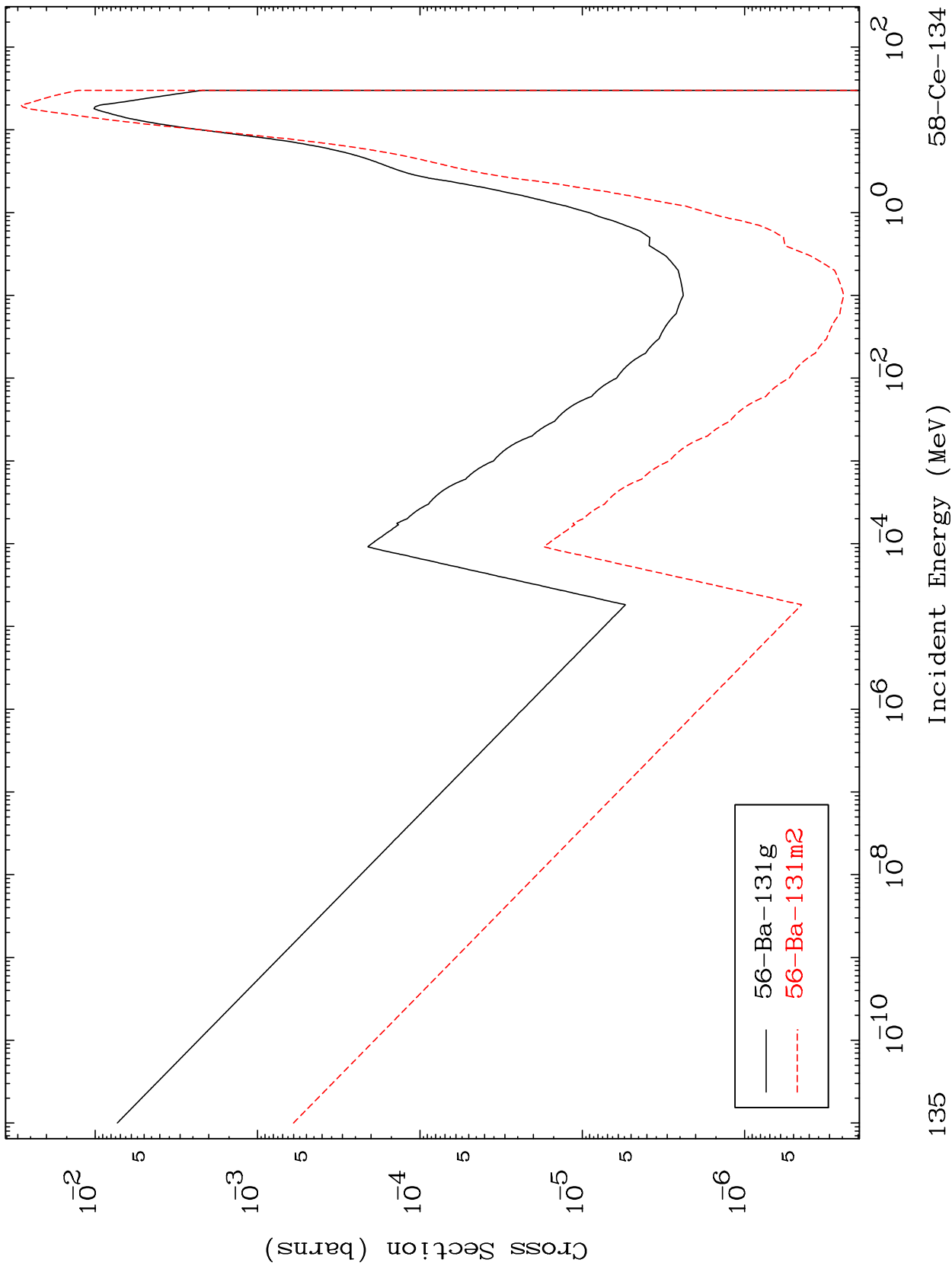
Incident Energy (MeV)

134

MAT 5819

58-Ce-134

Radionuclide Production Cross Section
(n, α)



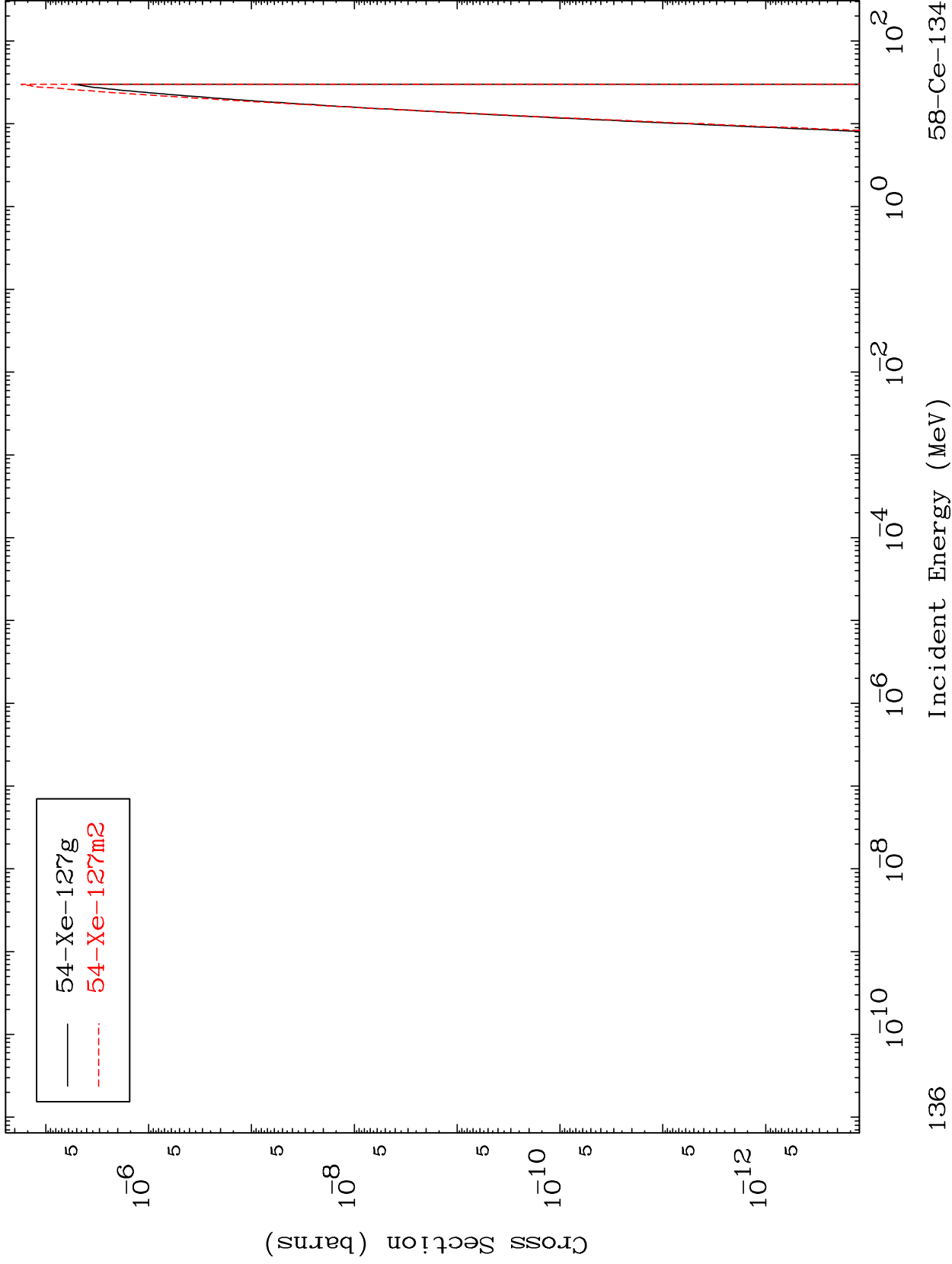
135

MAT 5819

(n,2α)

58-Ce-134

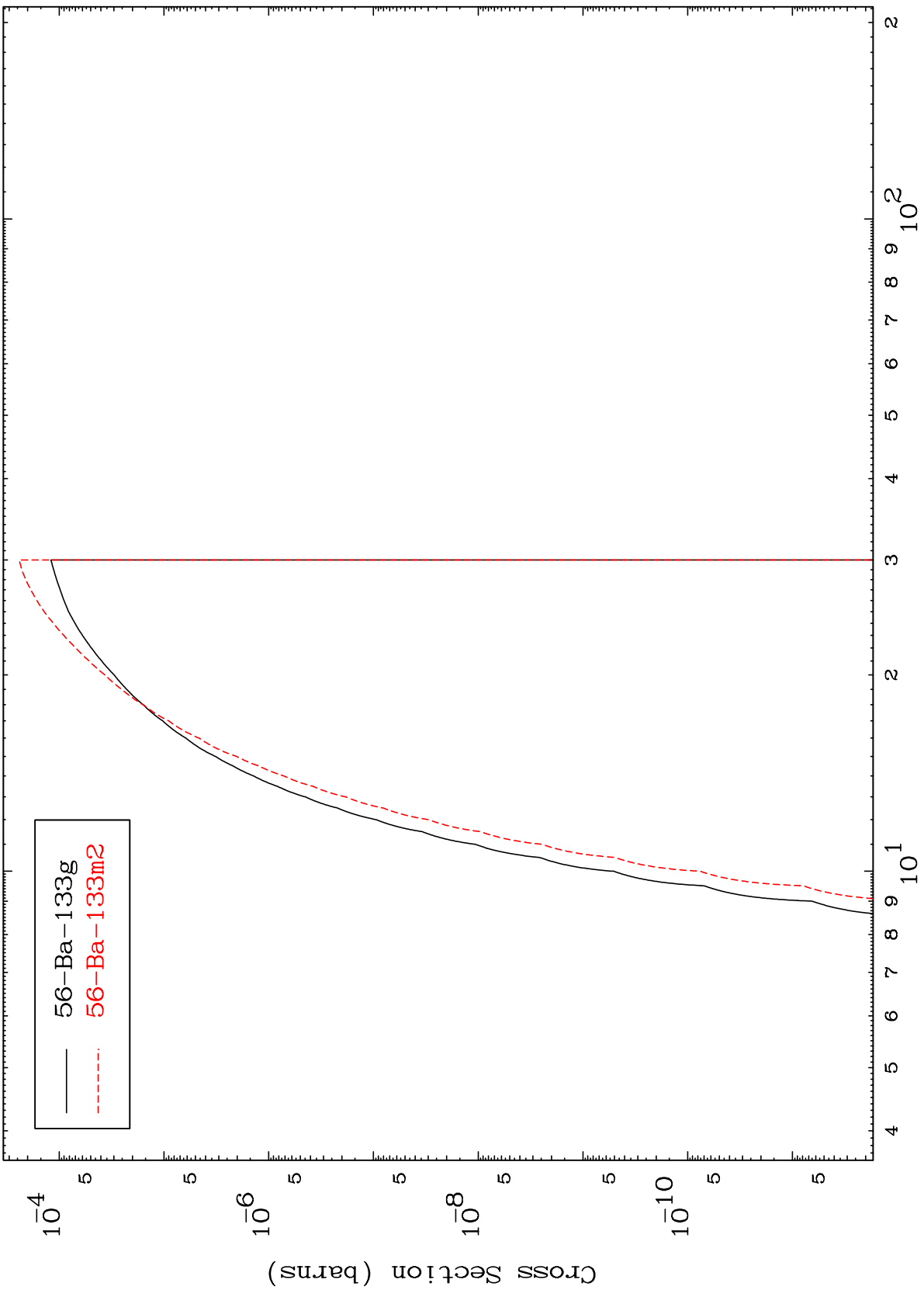
Radionuclide Production Cross Section



MAT 5819

58-Ce-134

Radionuclide Production Cross Section
(n,2p)



56-Ba-133g
56-Ba-133m2

137

Incident Energy (MeV)

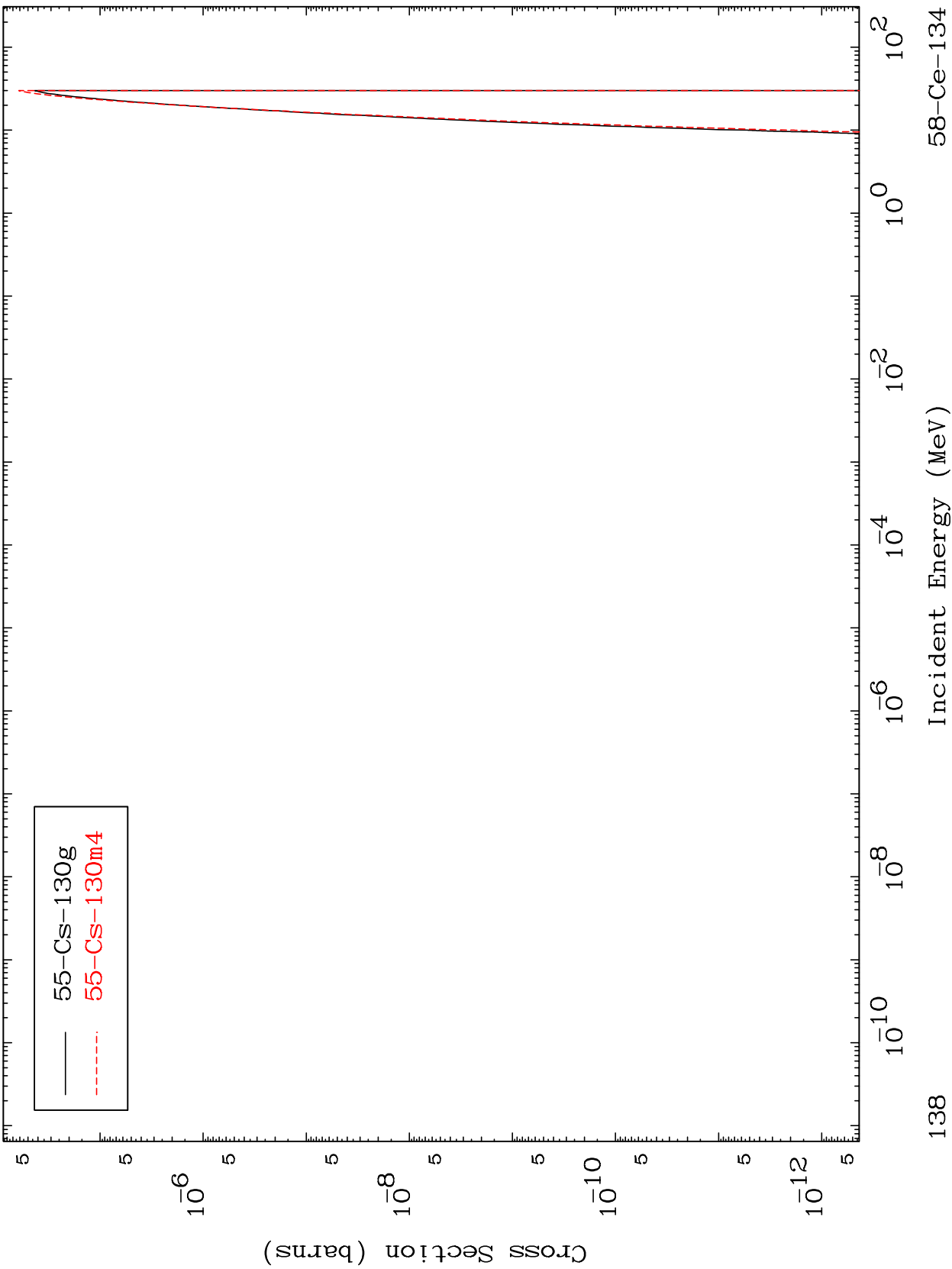
58-Ce-134

MAT 5819

(n,p) α

58-Ce-134

Radionuclide Production Cross Section



138

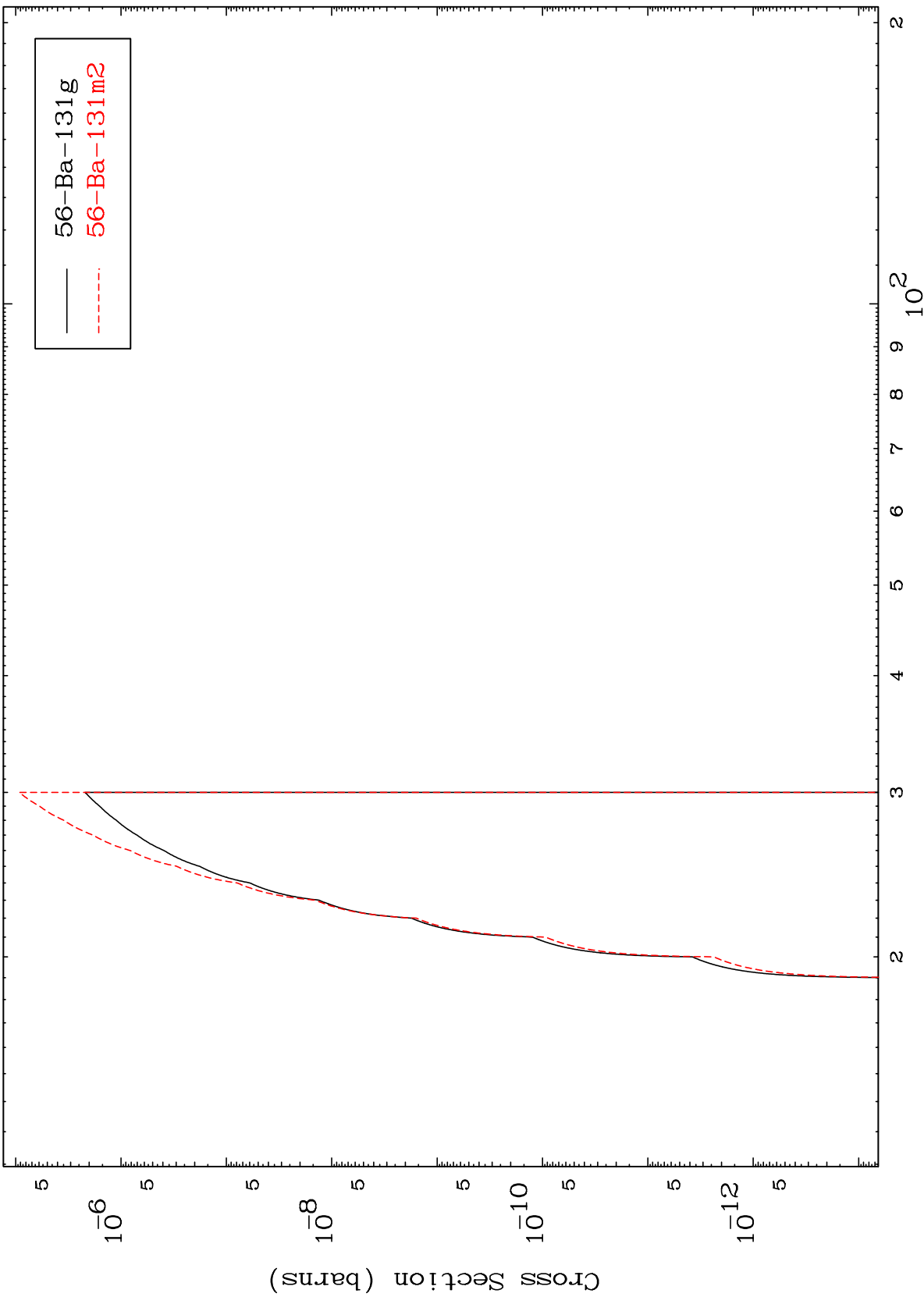
58-Ce-134

MAT 5819

(n,p) t

58-Ce-134

Radionuclide Production Cross Section



139

Incident Energy (MeV)

58-Ce-134