

Program EVALPLOT
(Version 2015-2)

by

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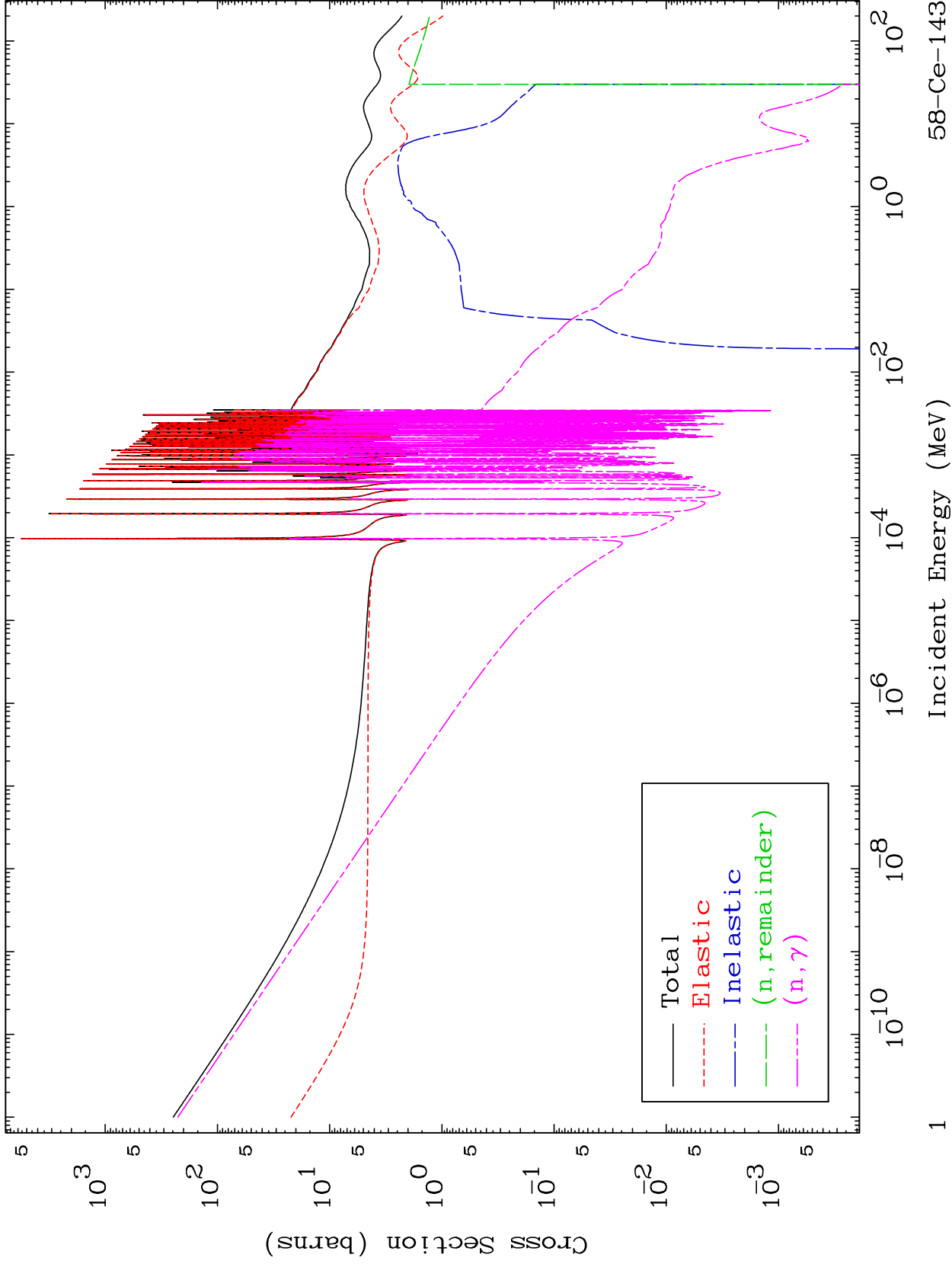
Press Mouse Button to Start

MAT 5846

Major

293 Kelvin Cross Sections

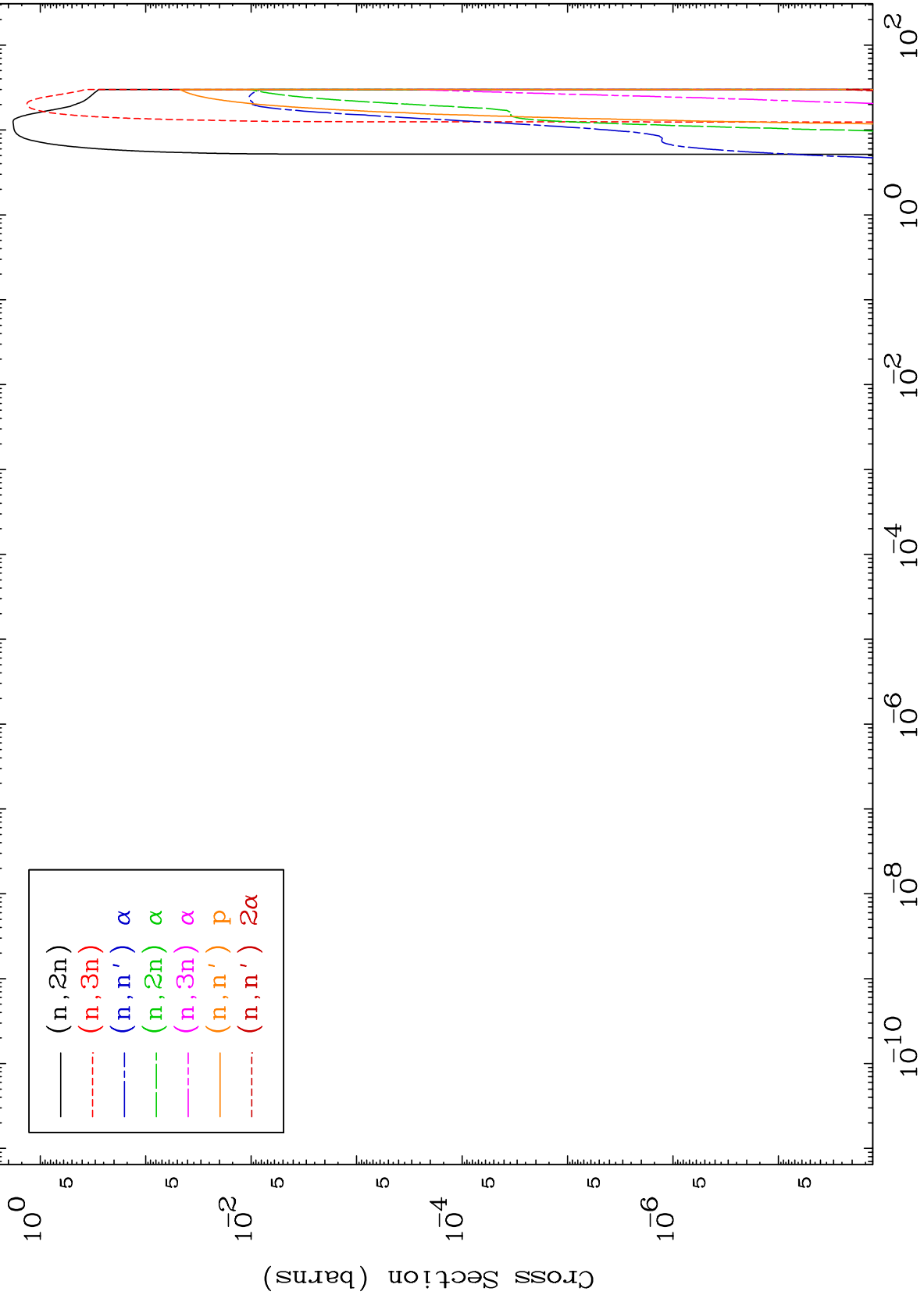
58-Ce-143



MAT 5846

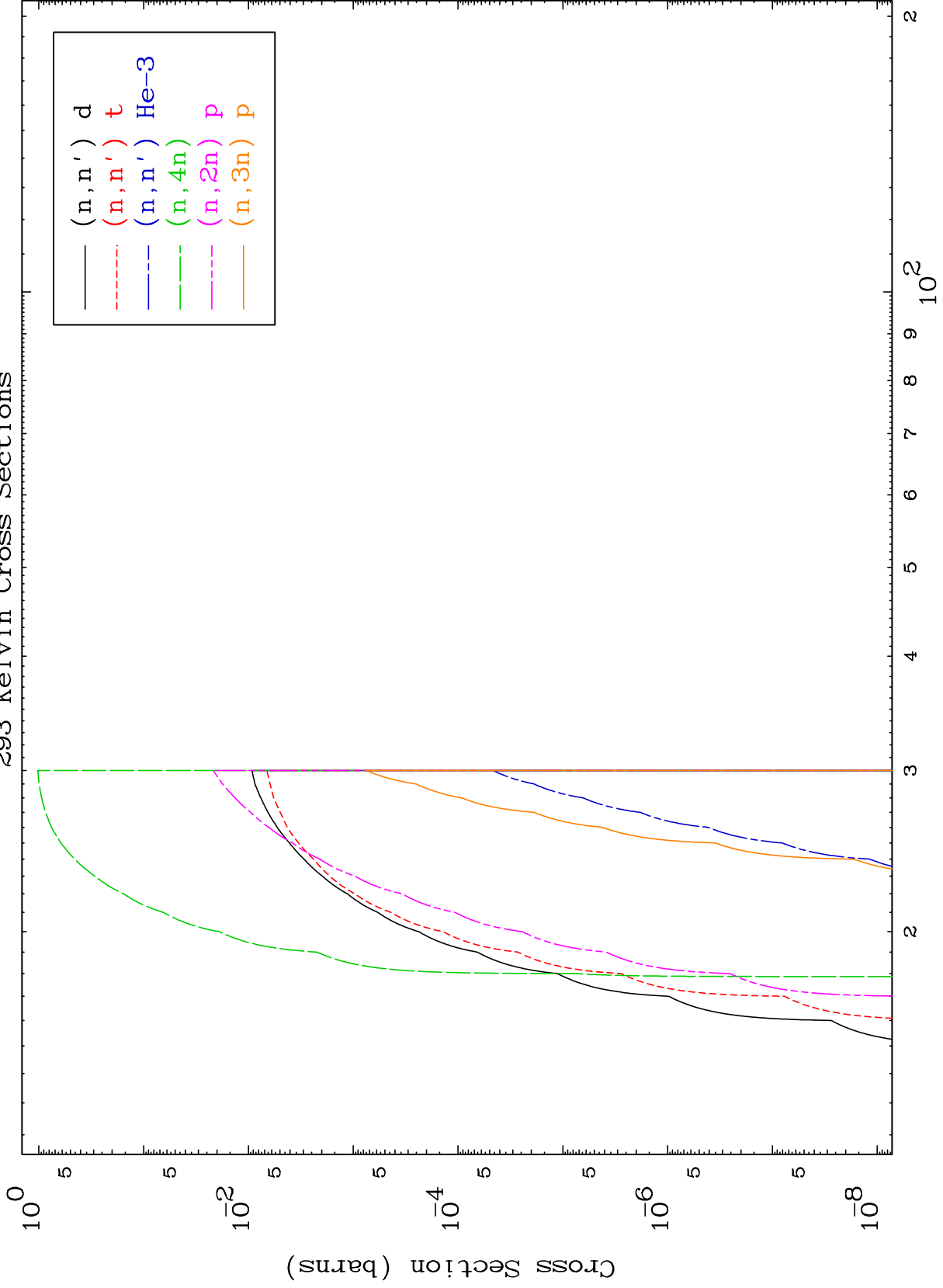
Neutron Production
293 Kelvin Cross Sections

58-Ce-143



58-Ce-143

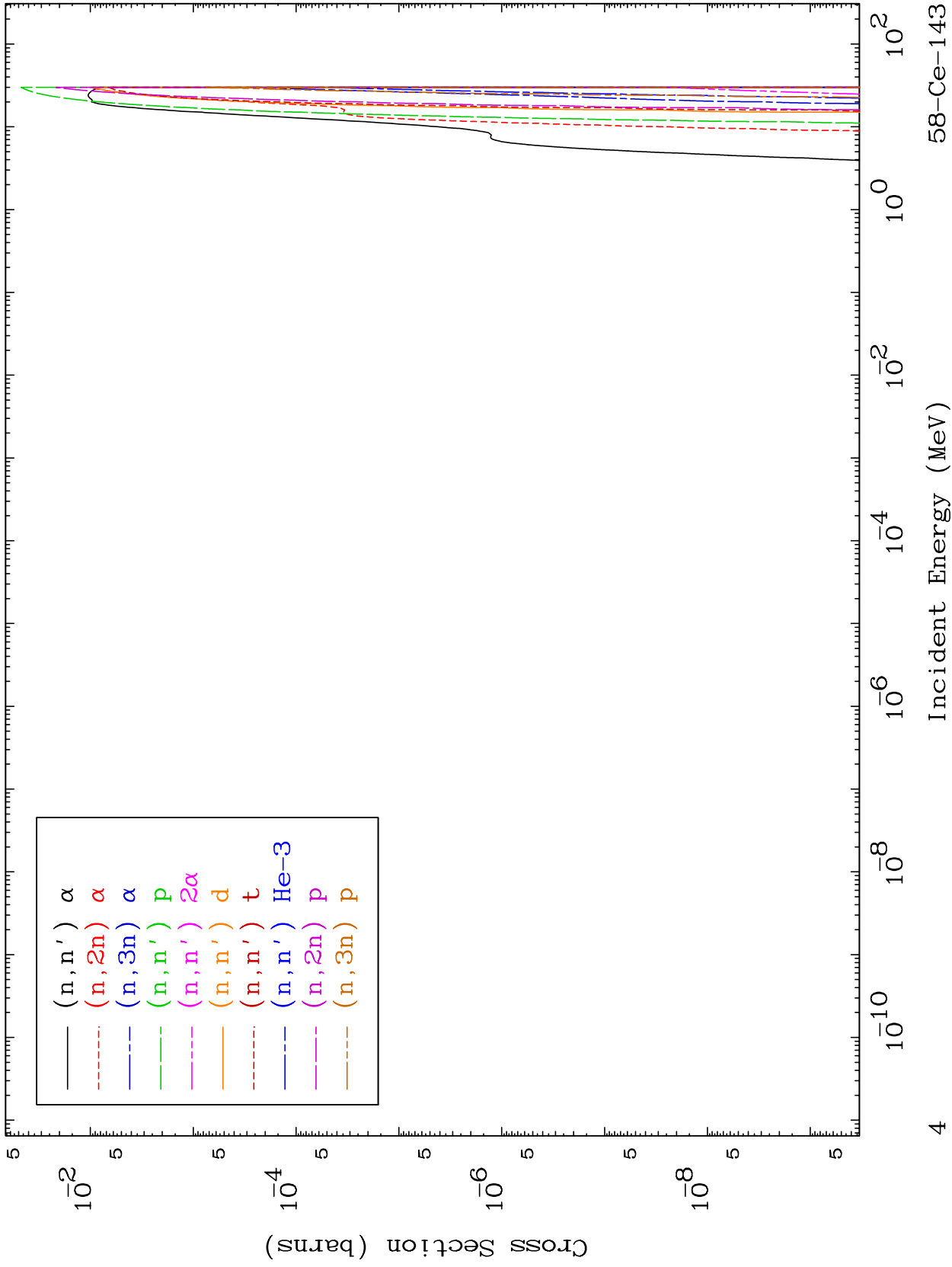
Incident Energy (MeV)



MAT 5846

Charged Particle
293 Kelvin Cross Sections

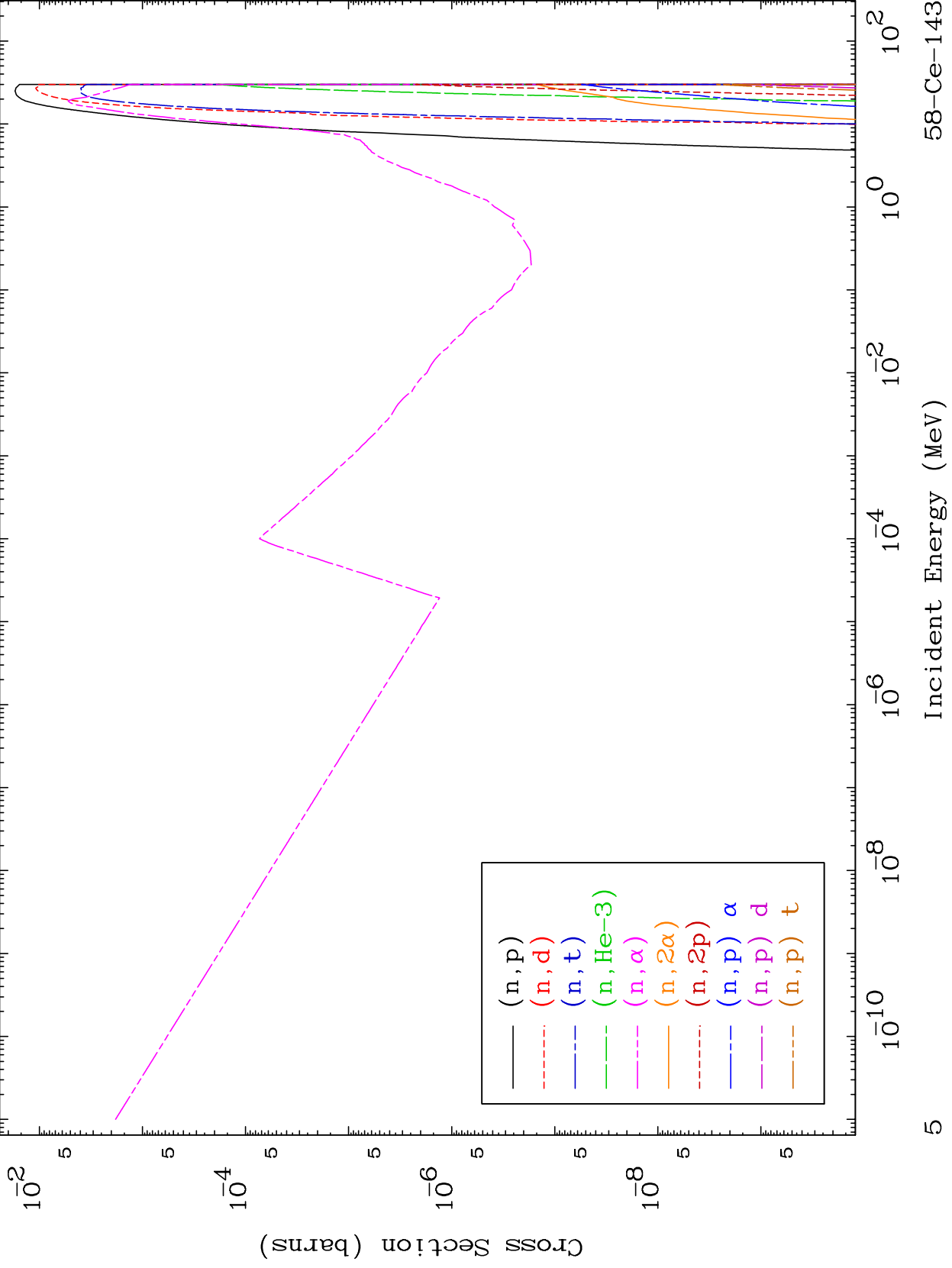
58-Ce-143



MAT 5846

Charged Particle
293 Kelvin Cross Sections

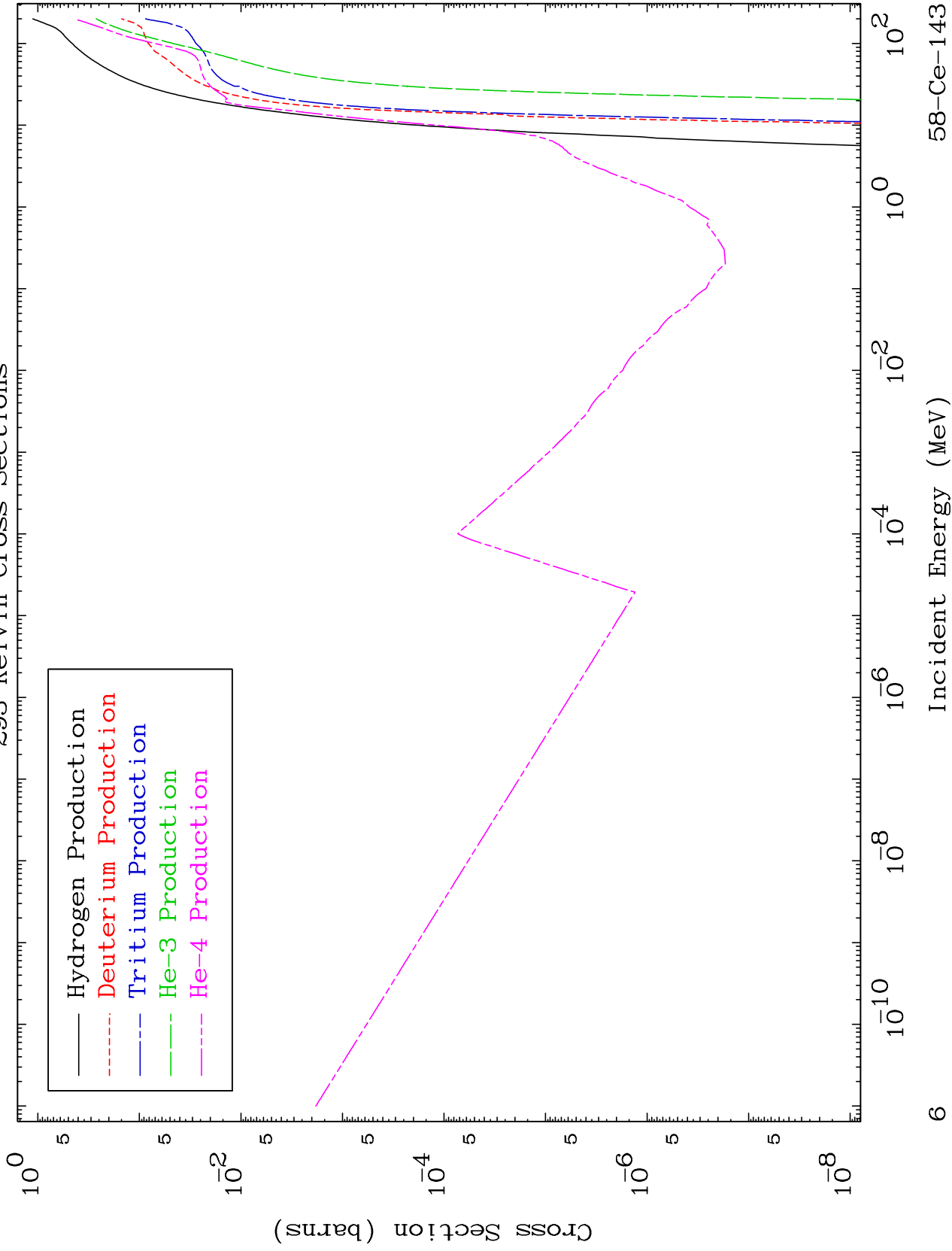
58-Ce-143

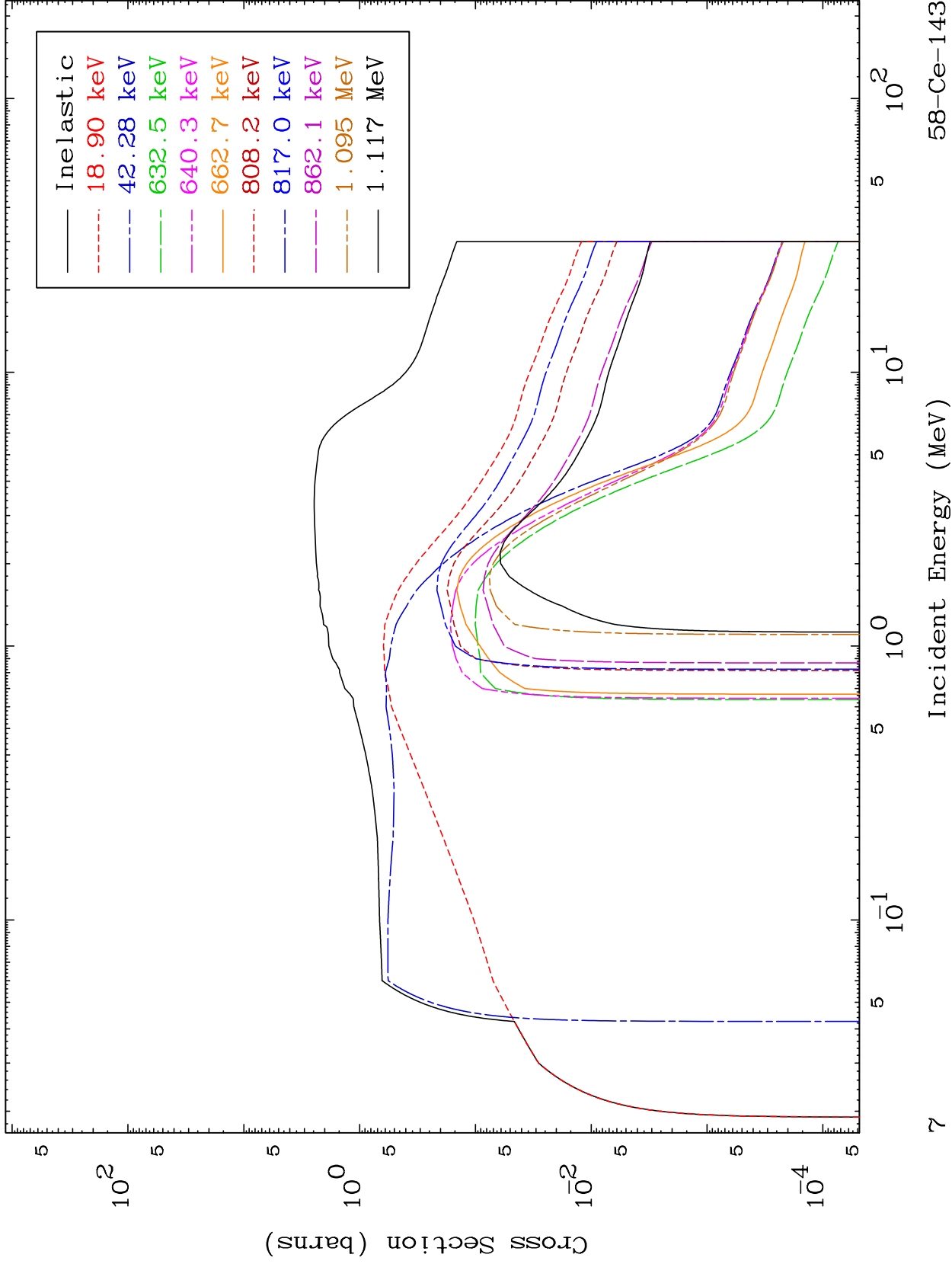


MAT 5846

Particle Production
293 Kelvin Cross Sections

58-Ce-143

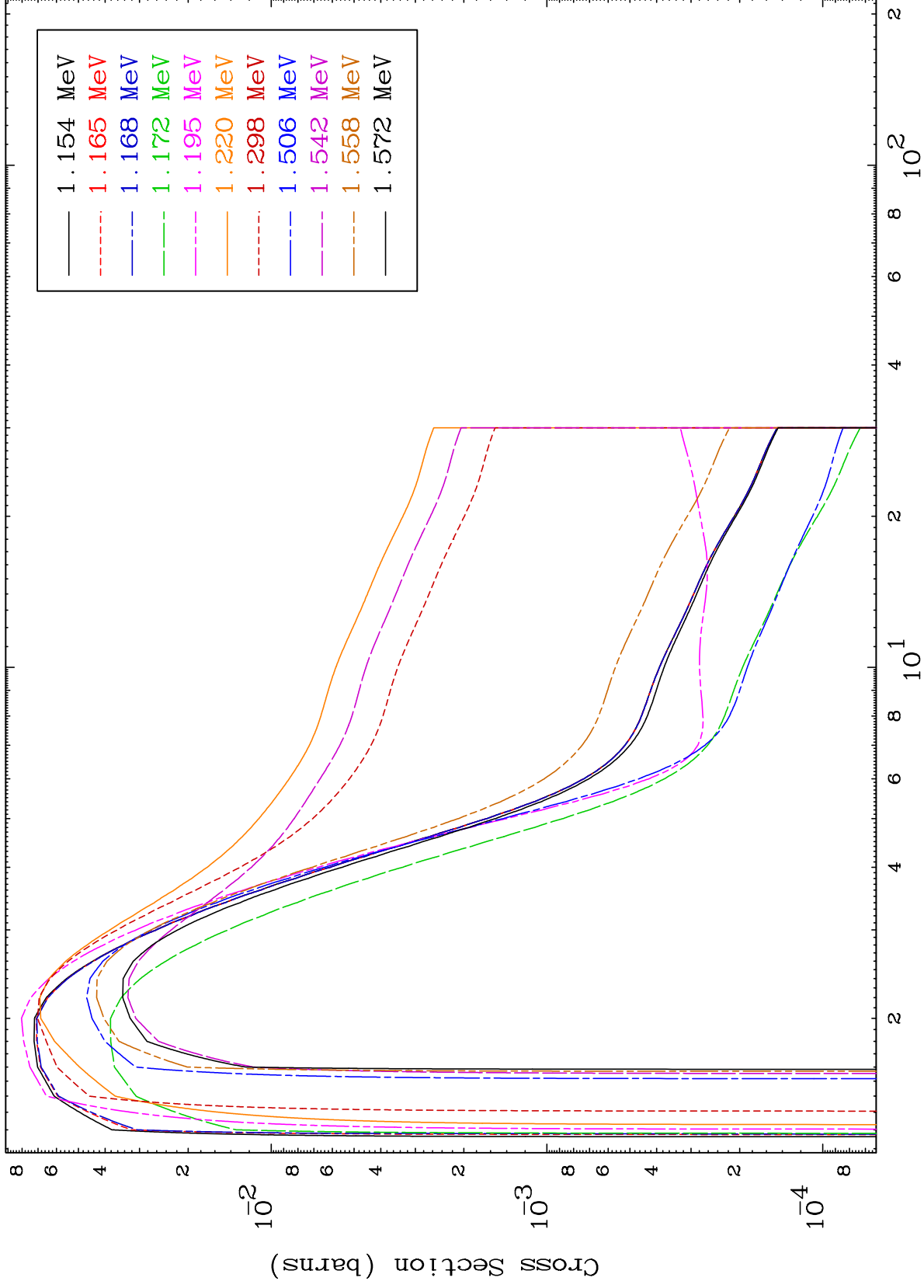




MAT 5846

(n,n') Level
293 Kelvin Cross Sections

58-Ce-143



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Incident Energy (MeV)

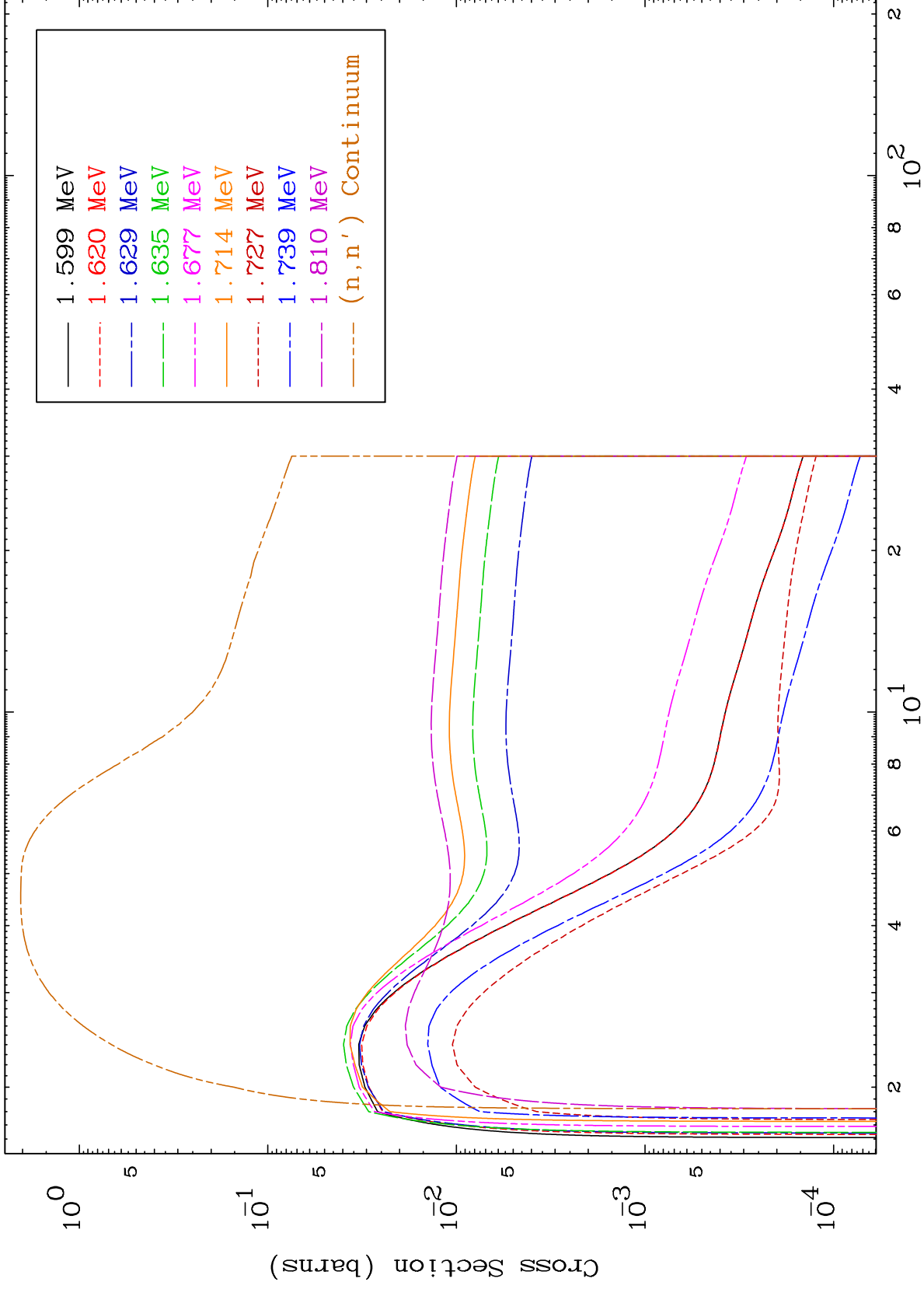
58-Ce-143

MAT 5846

(n,n') Level

58-Ce-143

293 Kelvin Cross Sections



9

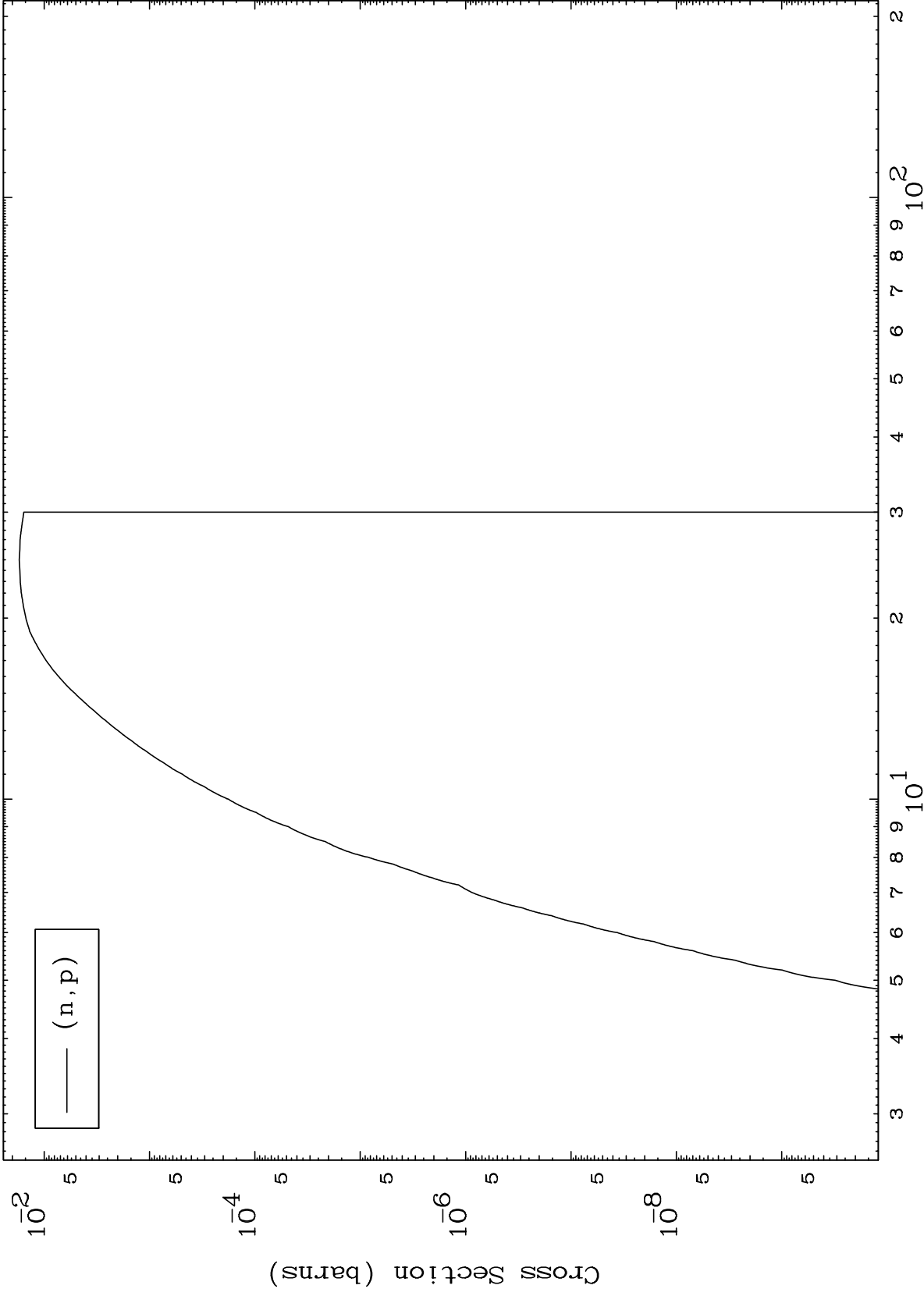
Incident Energy (MeV)

58-Ce-143

MAT 5846

(n,p) Levels
293 Kelvin Cross Sections

58-Ce-143



10

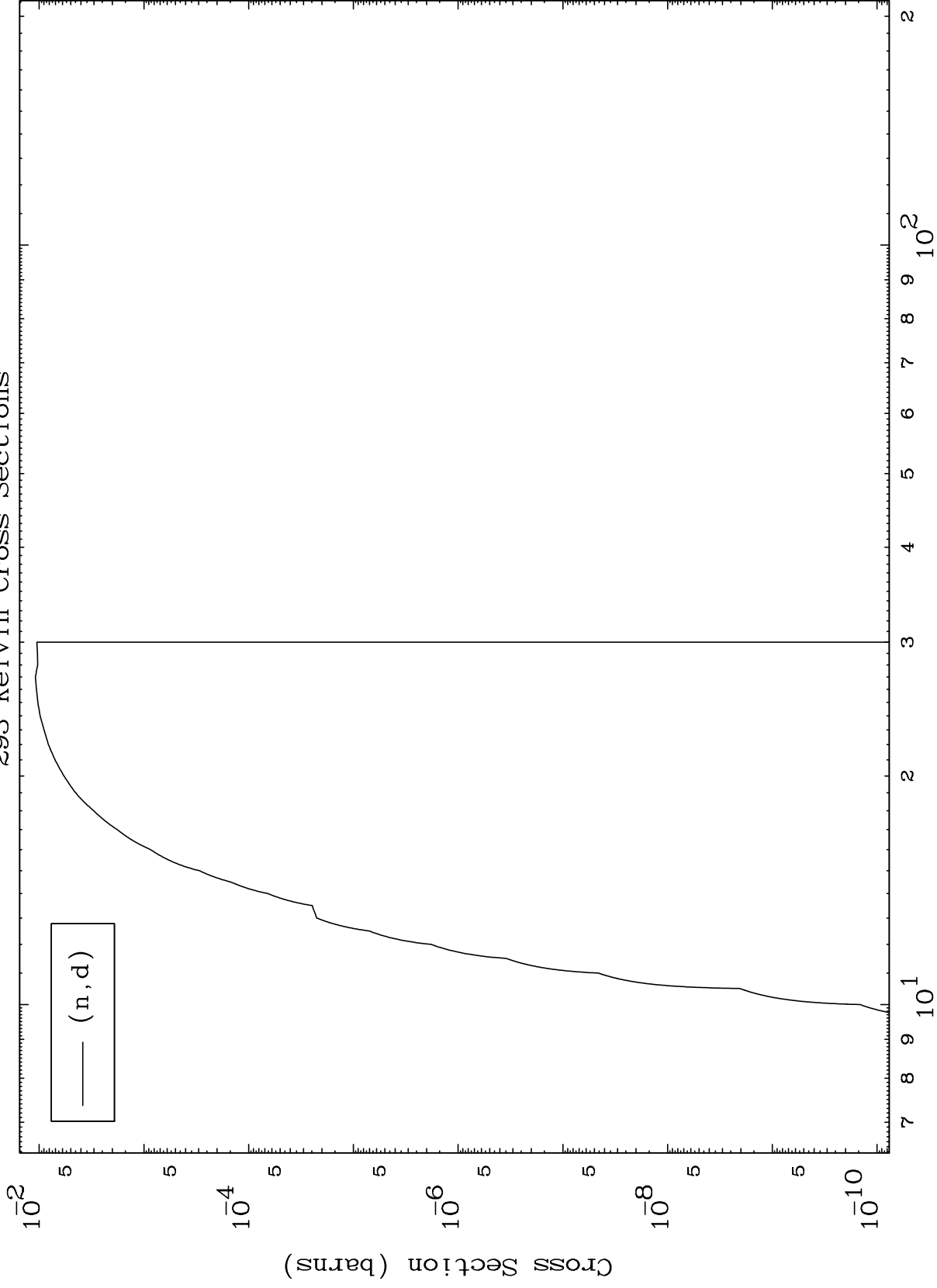
Incident Energy (MeV)

58-Ce-143

MAT 5846

(n,d) Levels
293 Kelvin Cross Sections

58-Ce-143



11

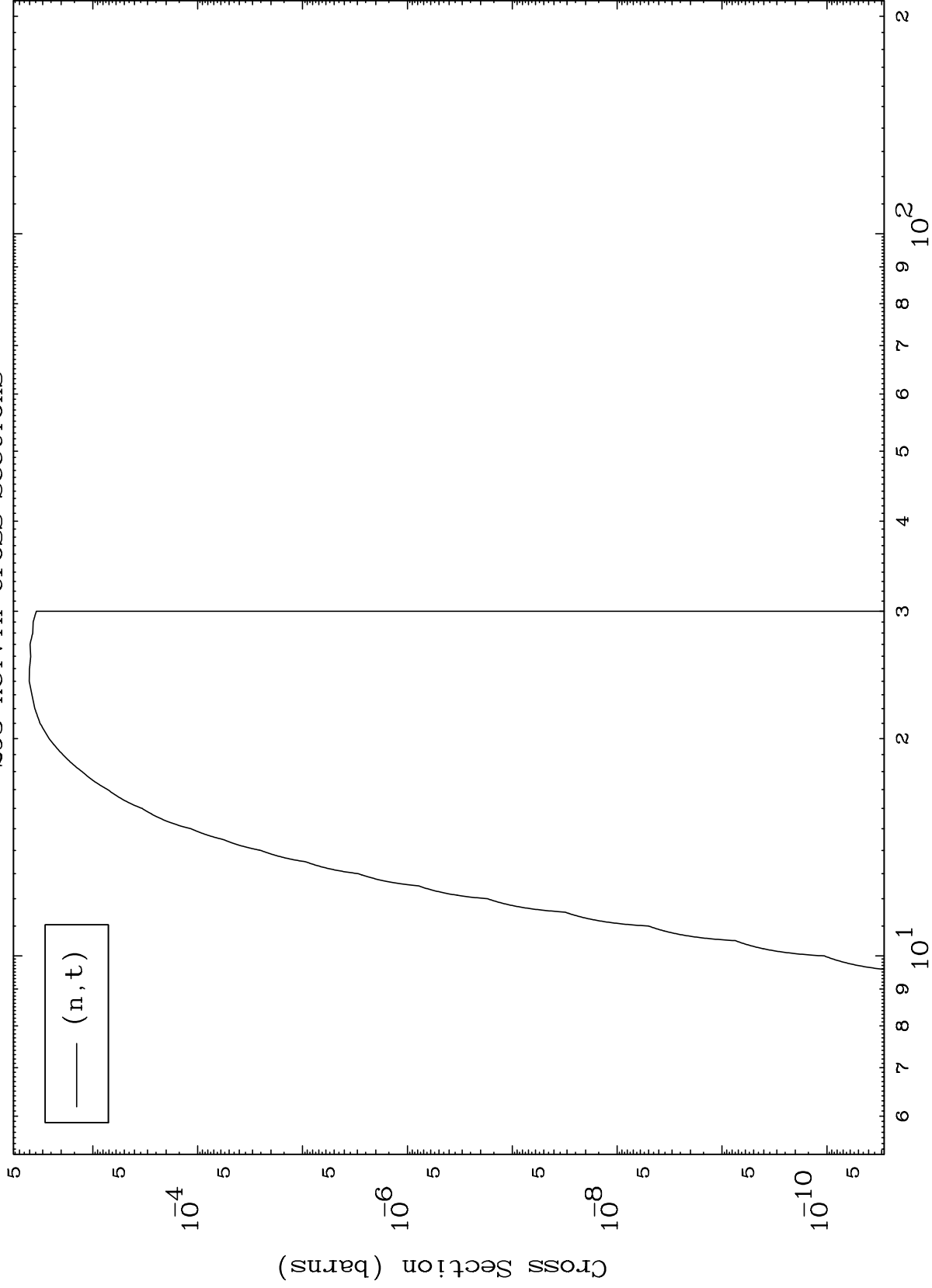
Incident Energy (MeV)

58-Ce-143

MAT 5846

(n,t) Levels
293 Kelvin Cross Sections

58-Ce-143



12

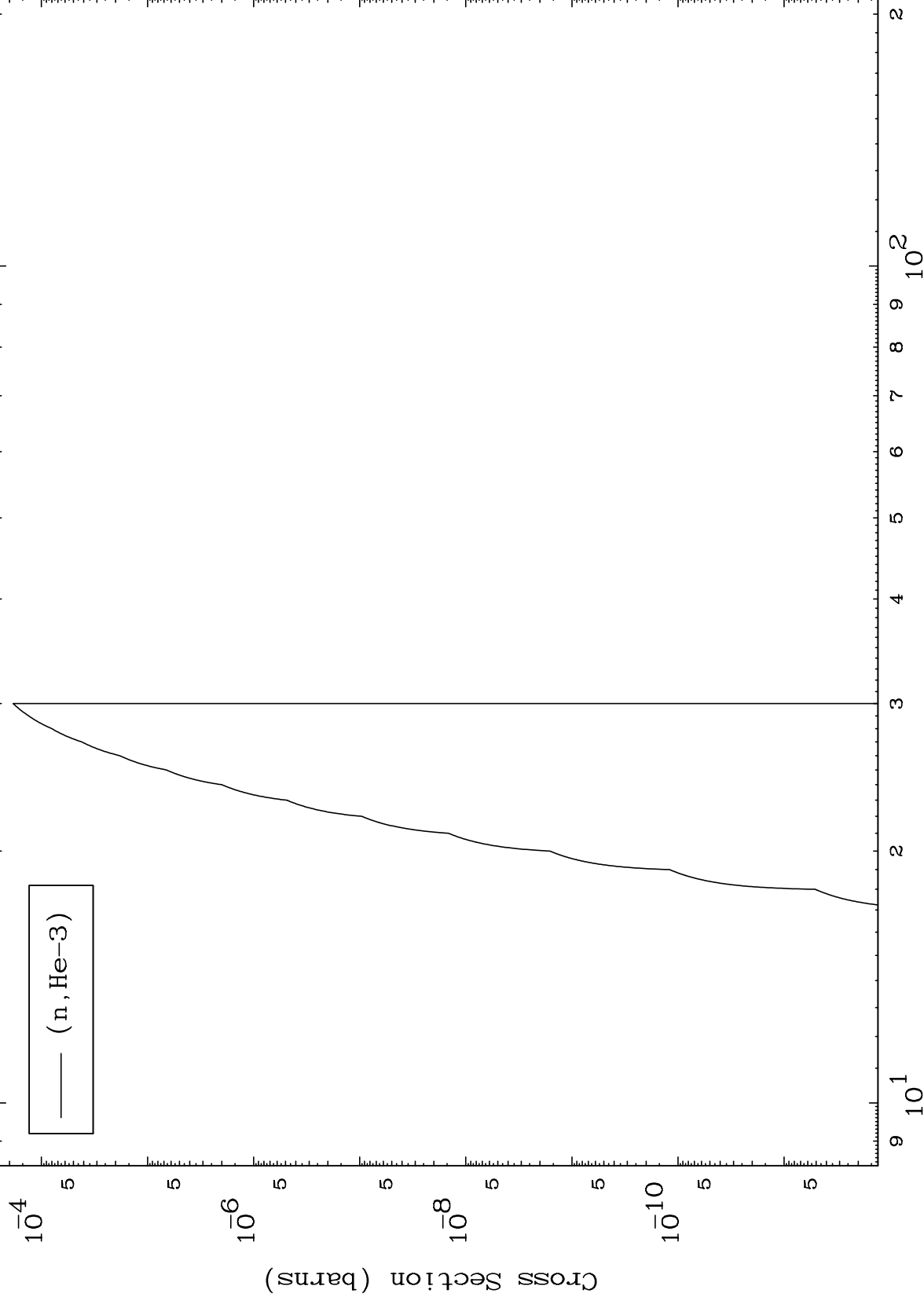
Incident Energy (MeV)

58-Ce-143

MAT 5846

(n,He3) Levels
293 Kelvin Cross Sections

58-Ce-143



13

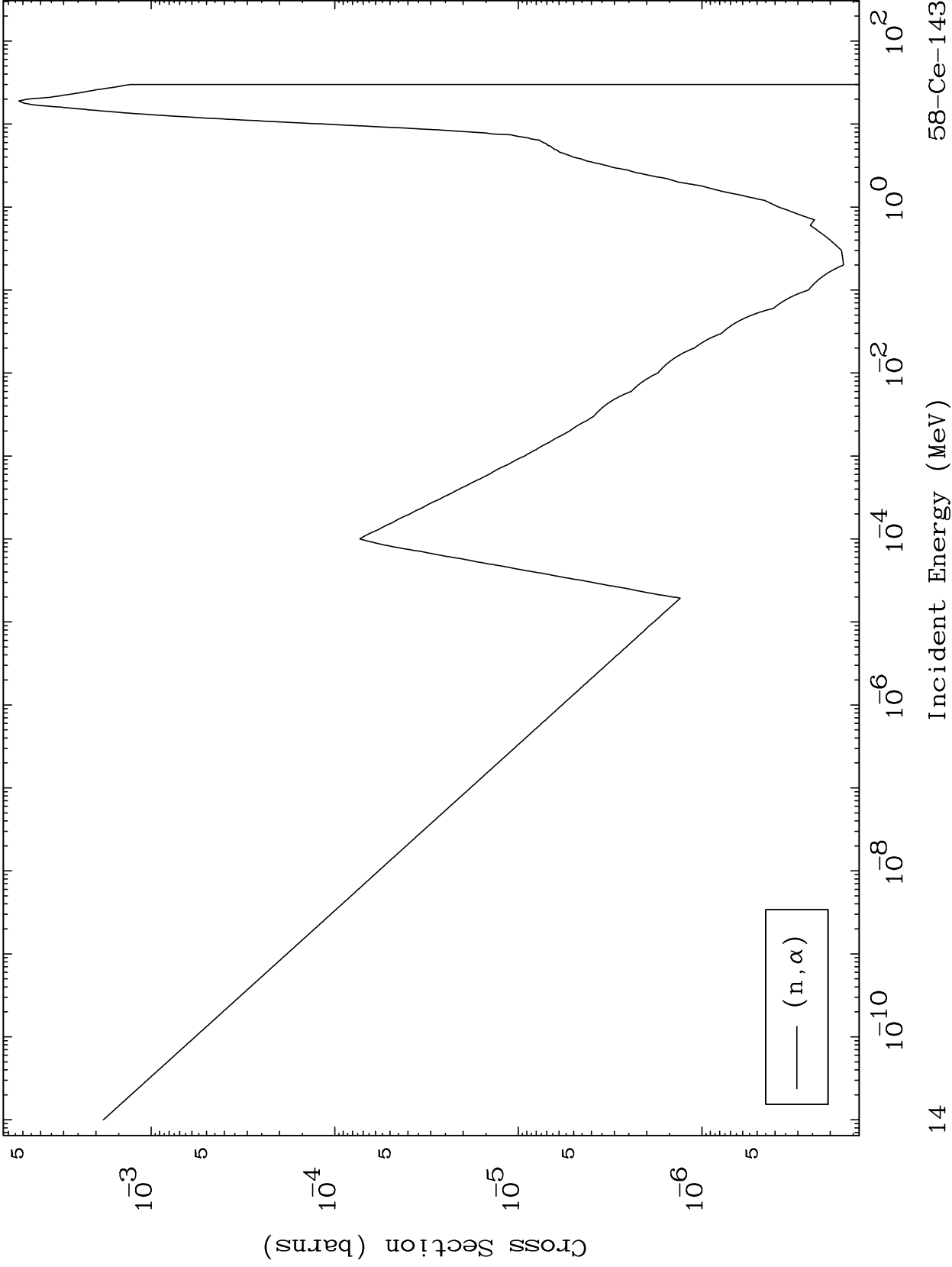
Incident Energy (MeV)

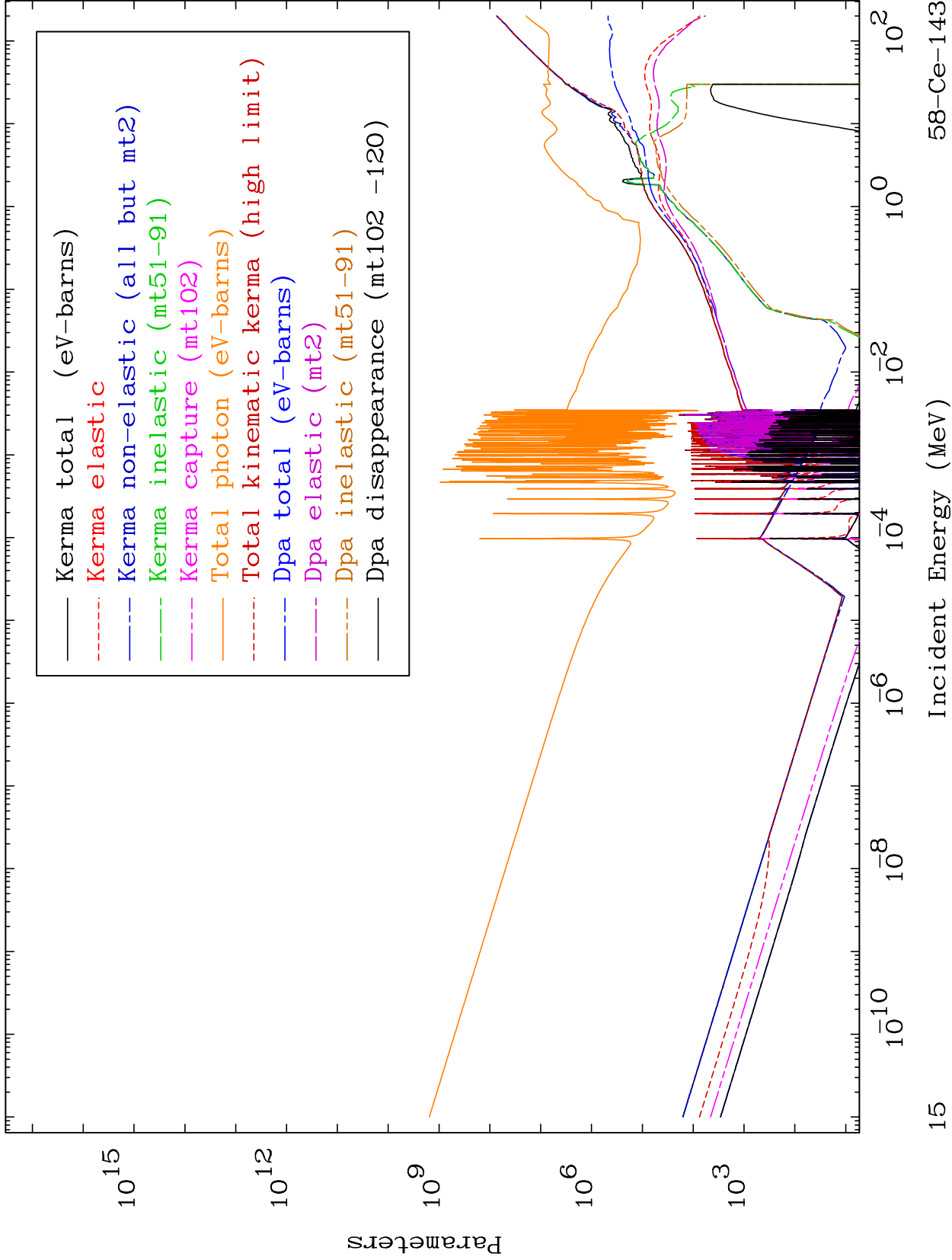
58-Ce-143

MAT 5846

(n,α) Levels
293 Kelvin Cross Sections

58-Ce-143

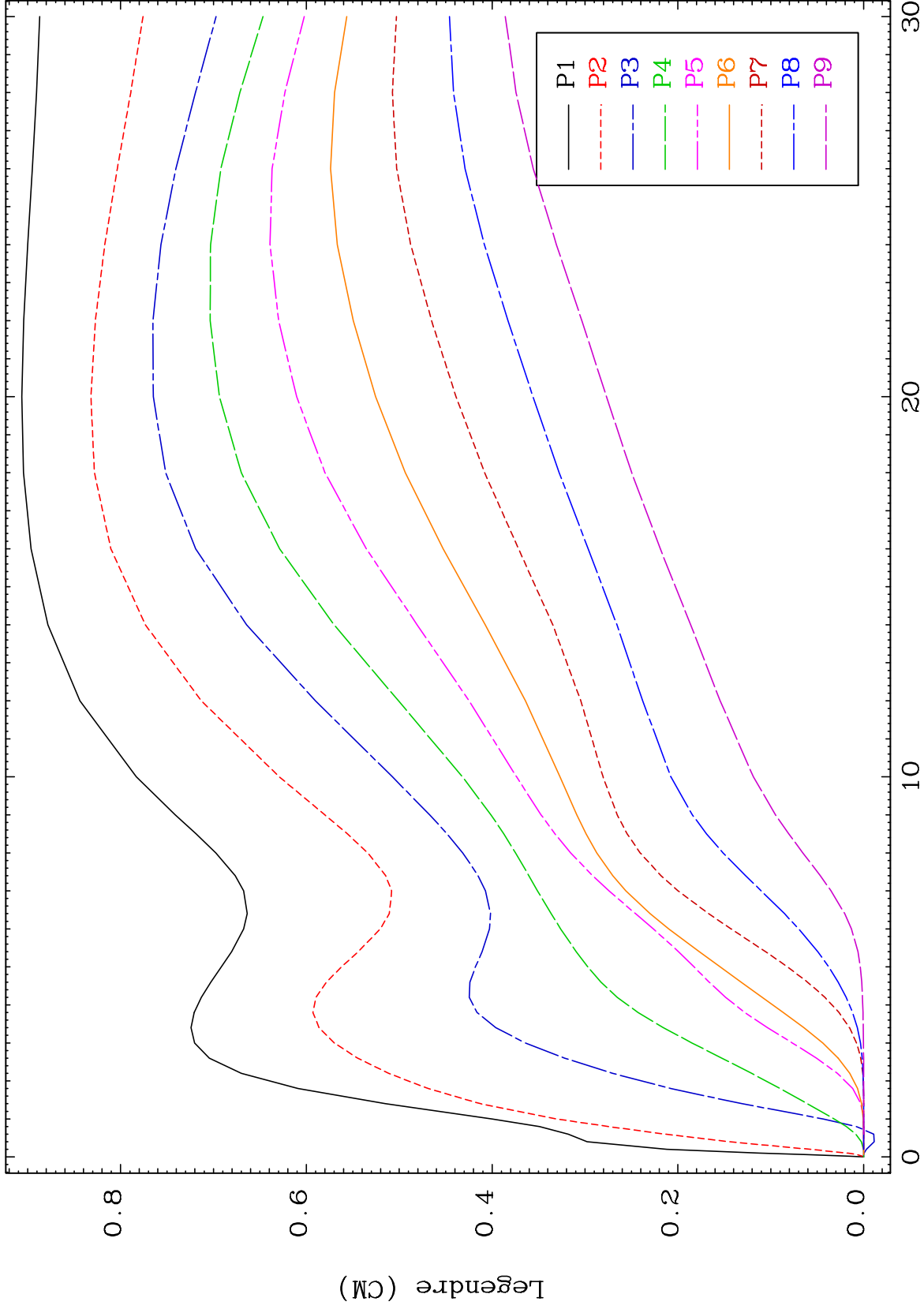




MAT 5846

Elastic Legendre Coefficients

58-Ce-143



16

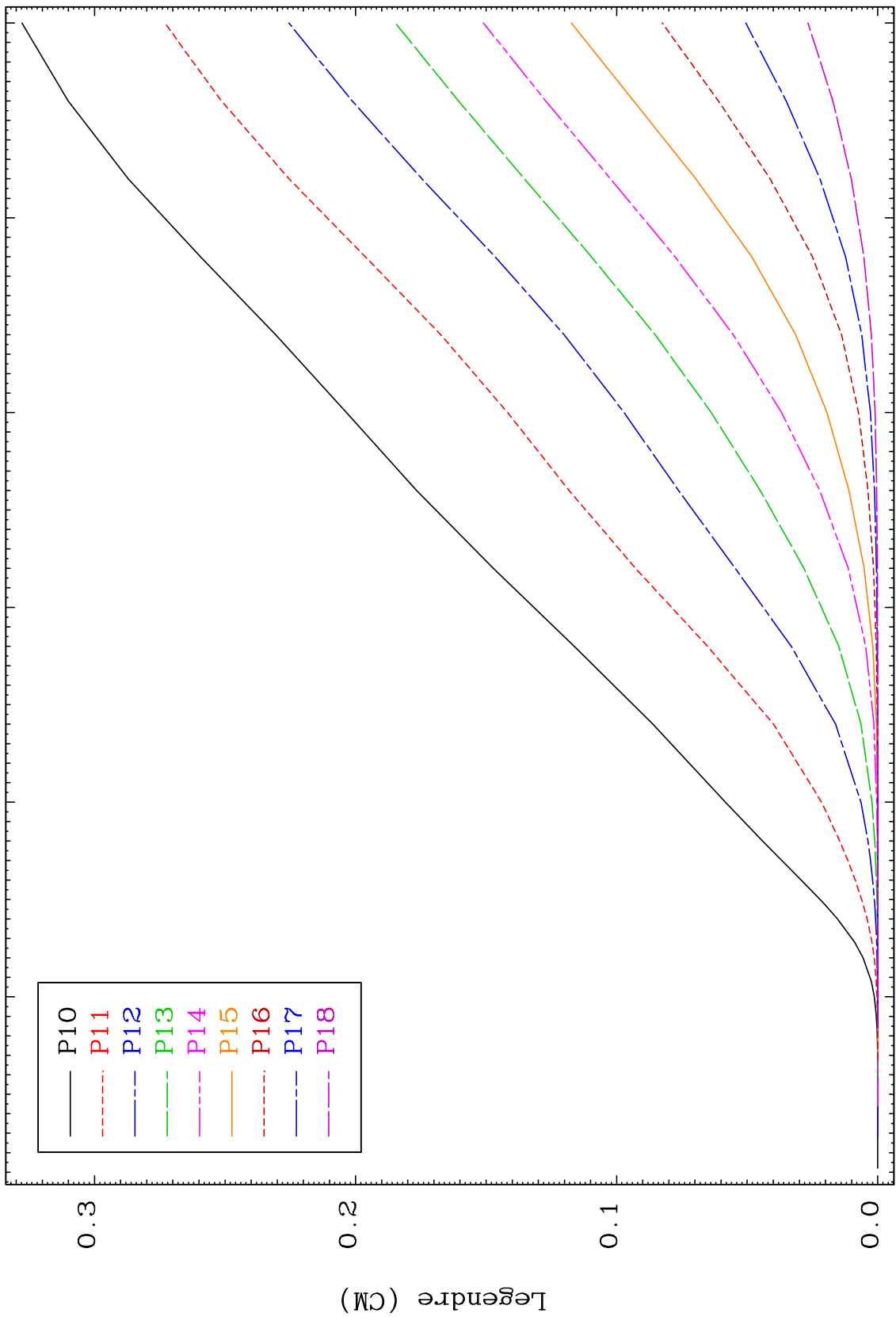
Incident Energy (MeV)

58-Ce-143

MAT 5846

Elastic Legendre Coefficients

58-Ce-143



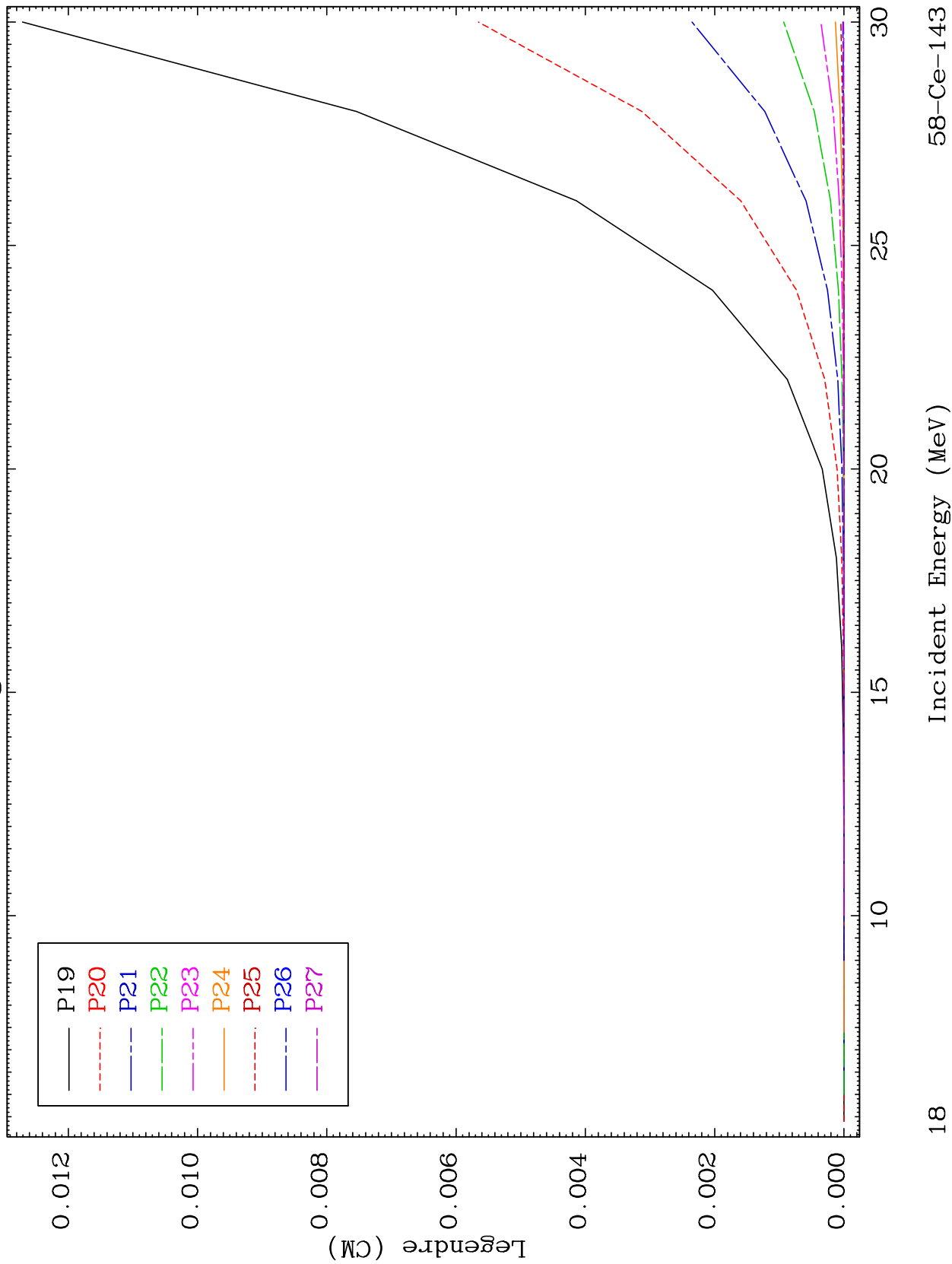
17

58-Ce-143

MAT 5846

Elastic Legendre Coefficients

58-Ce-143



18

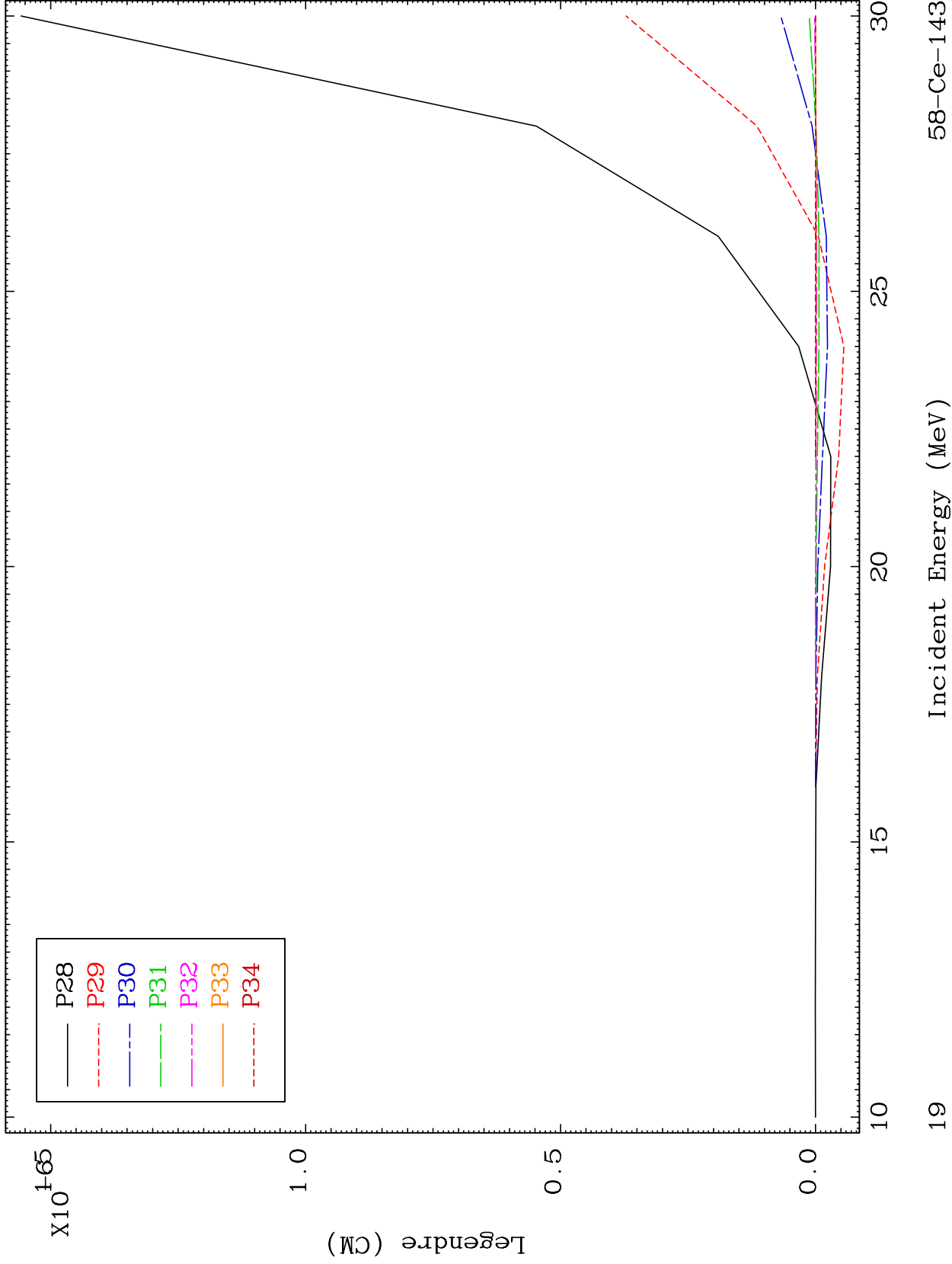
Incident Energy (MeV)

58-Ce-143

MAT 5846

Elastic
Legendre Coefficients

58-Ce-143



19

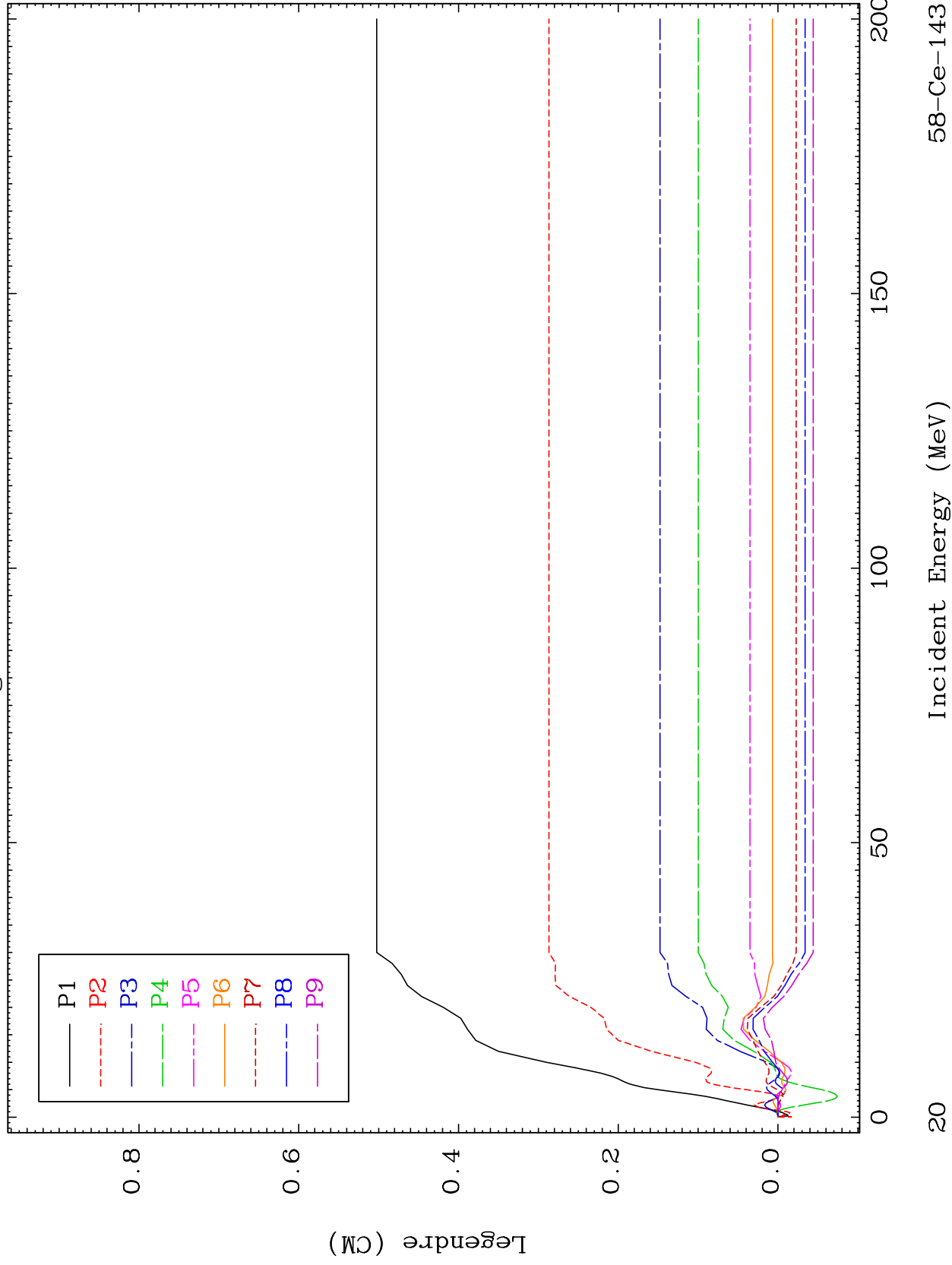
Incident Energy (MeV)

58-Ce-143

MAT 5846

18.90 keV (n,n') Level
Legendre Coefficients

58-Ce-143



58-Ce-143

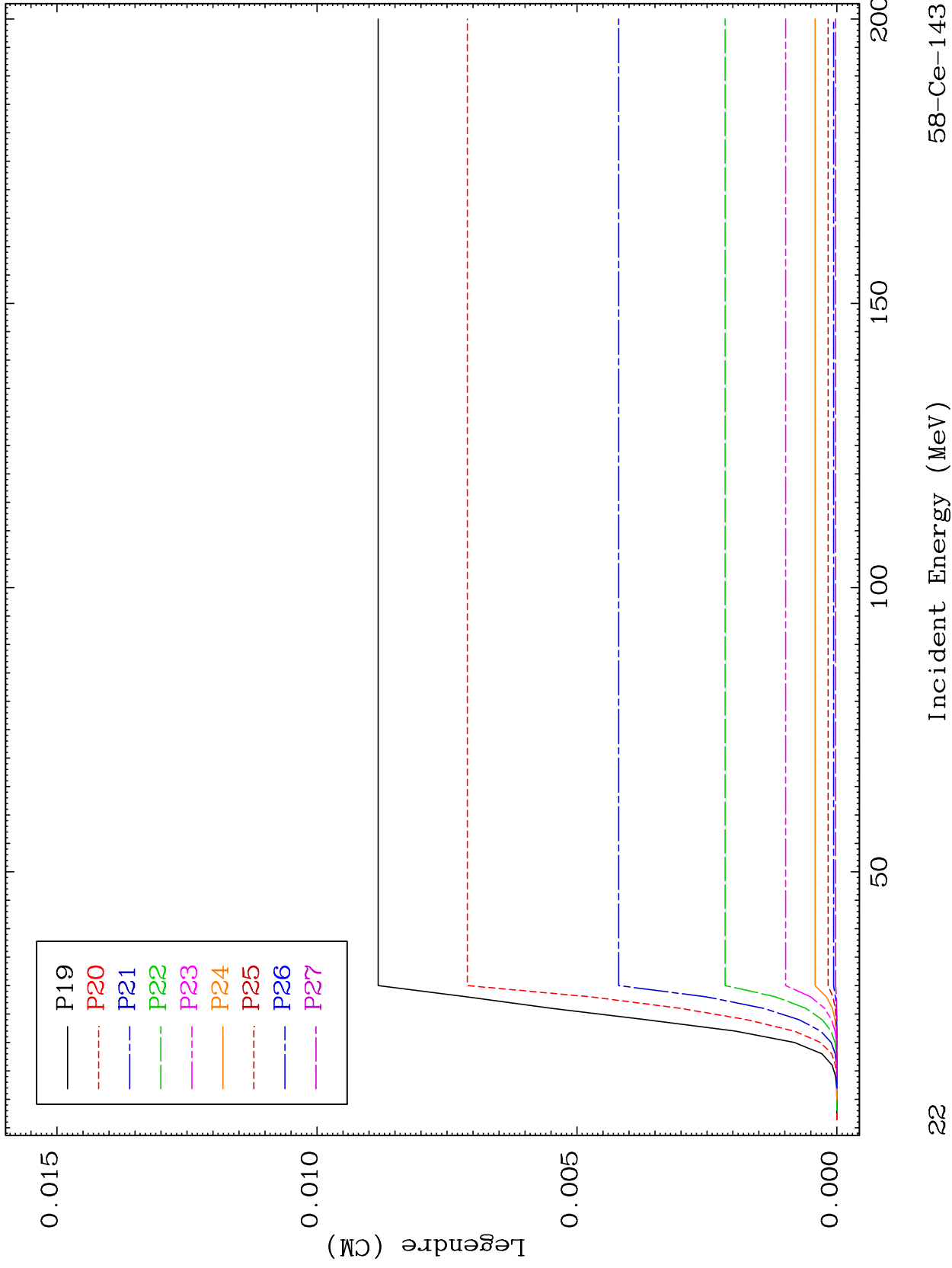
Incident Energy (MeV)

20

MAT 5846

18.90 keV (n,n') Level
Legendre Coefficients

58-Ce-143



22

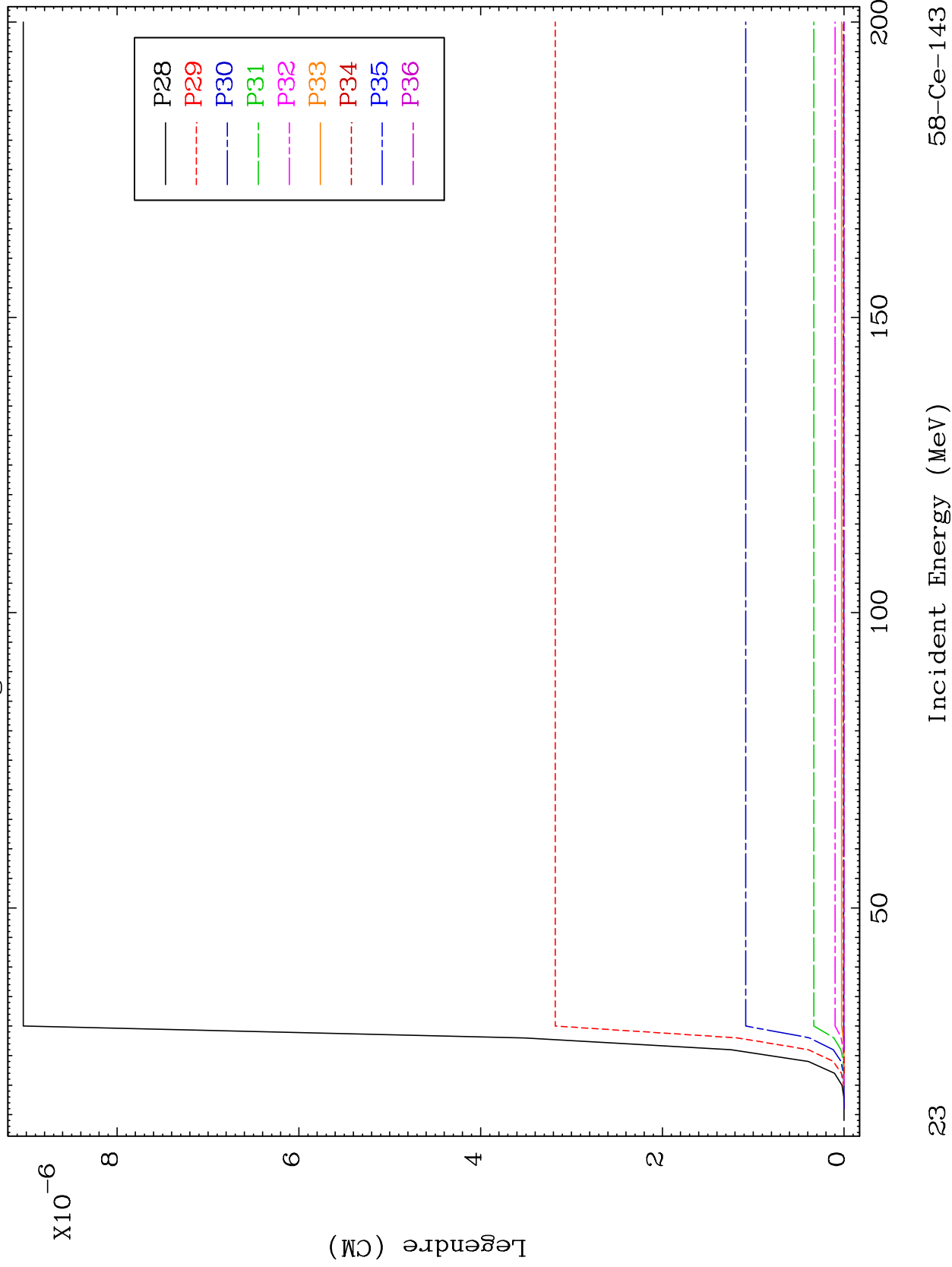
Incident Energy (MeV)

58-Ce-143

MAT 5846

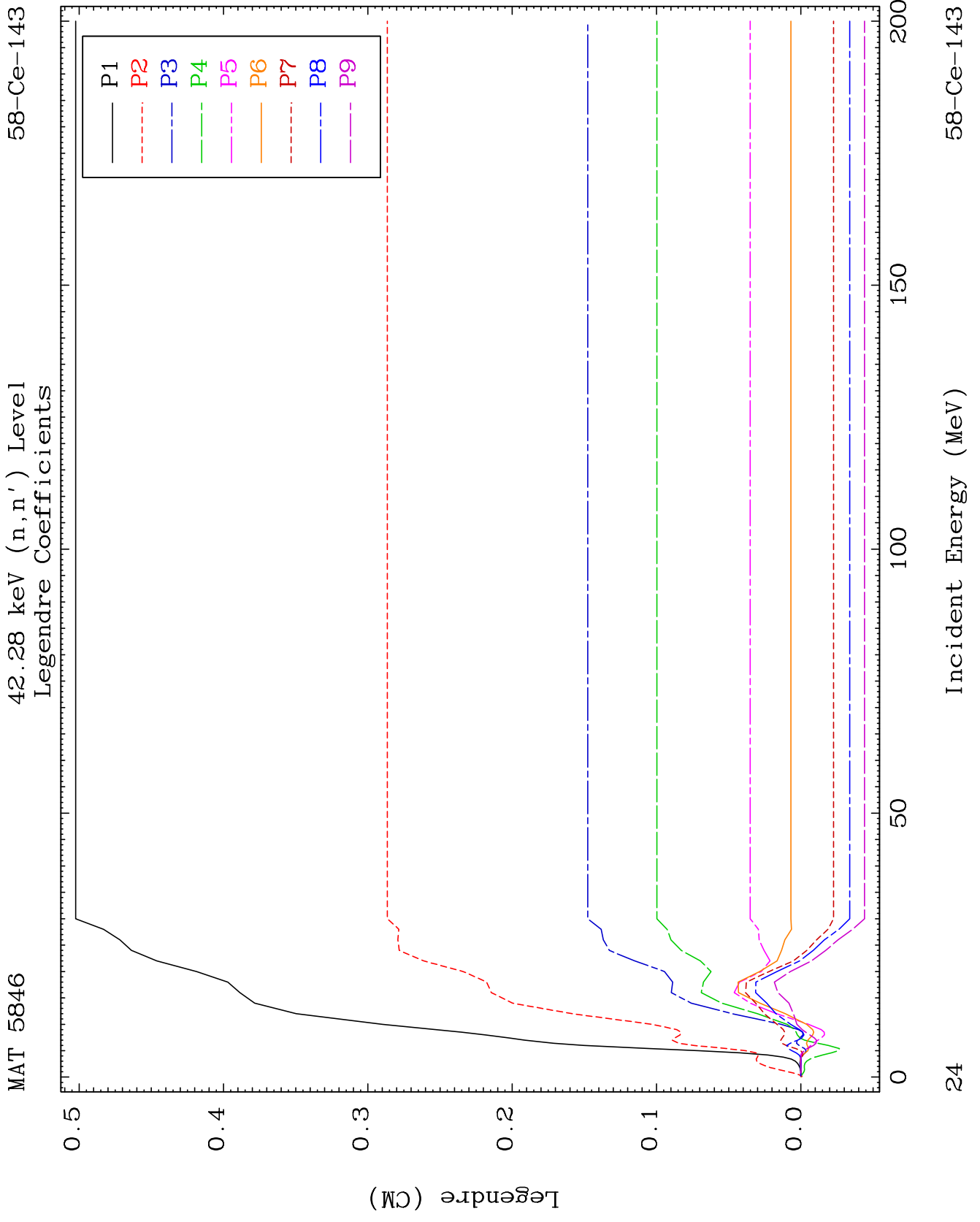
18.90 keV (n,n') Level
Legendre Coefficients

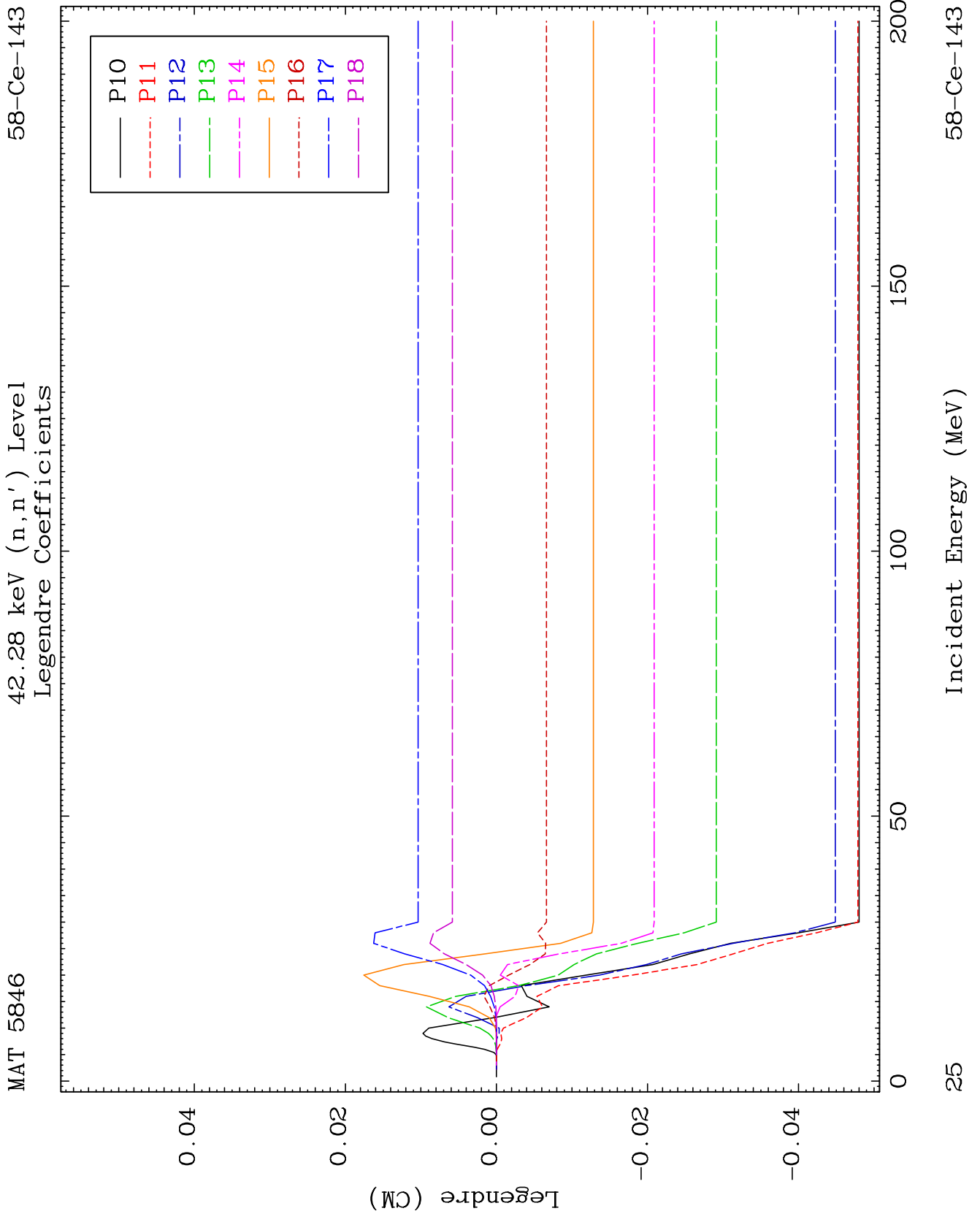
58-Ce-143

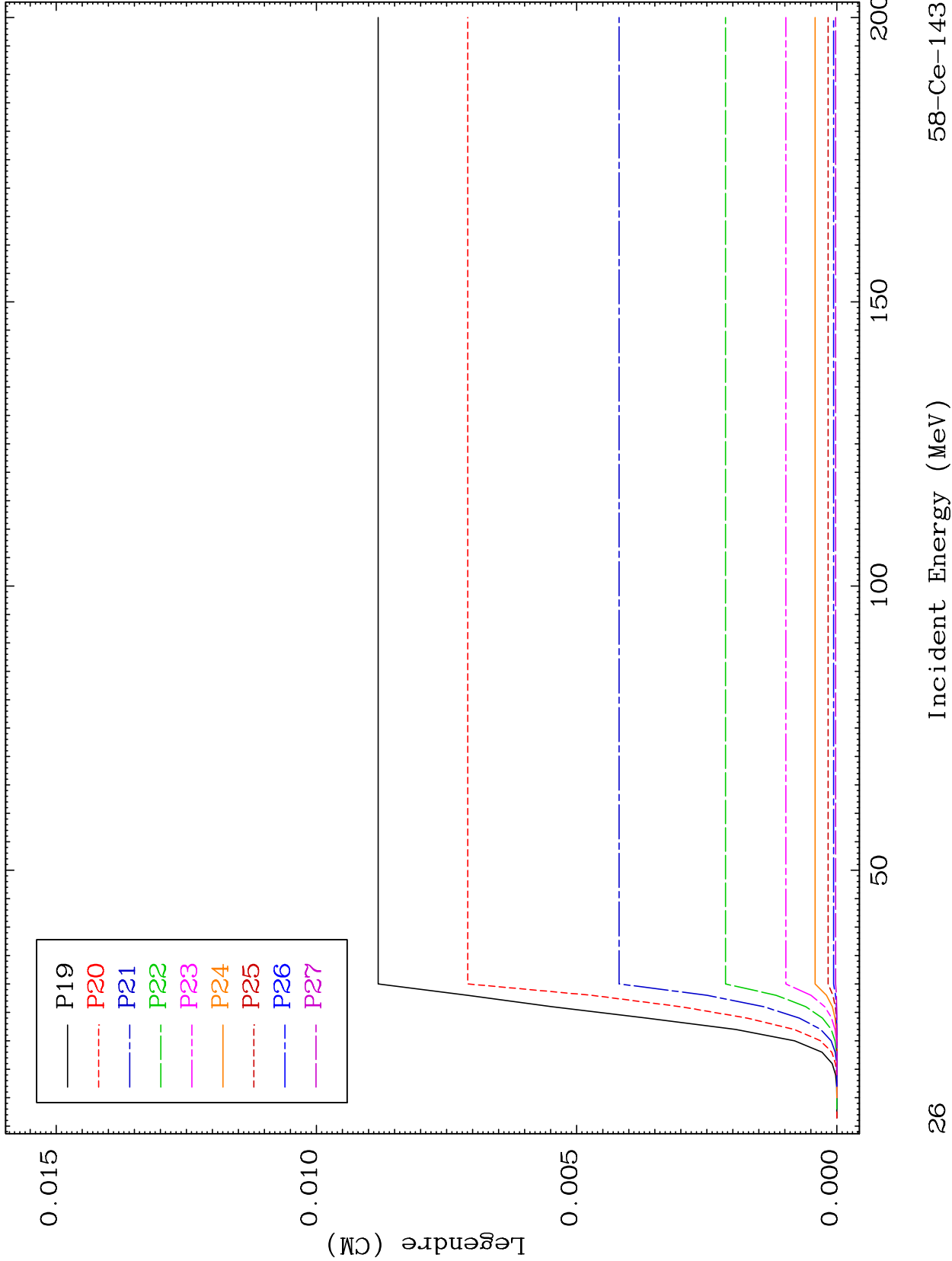


23

58-Ce-143



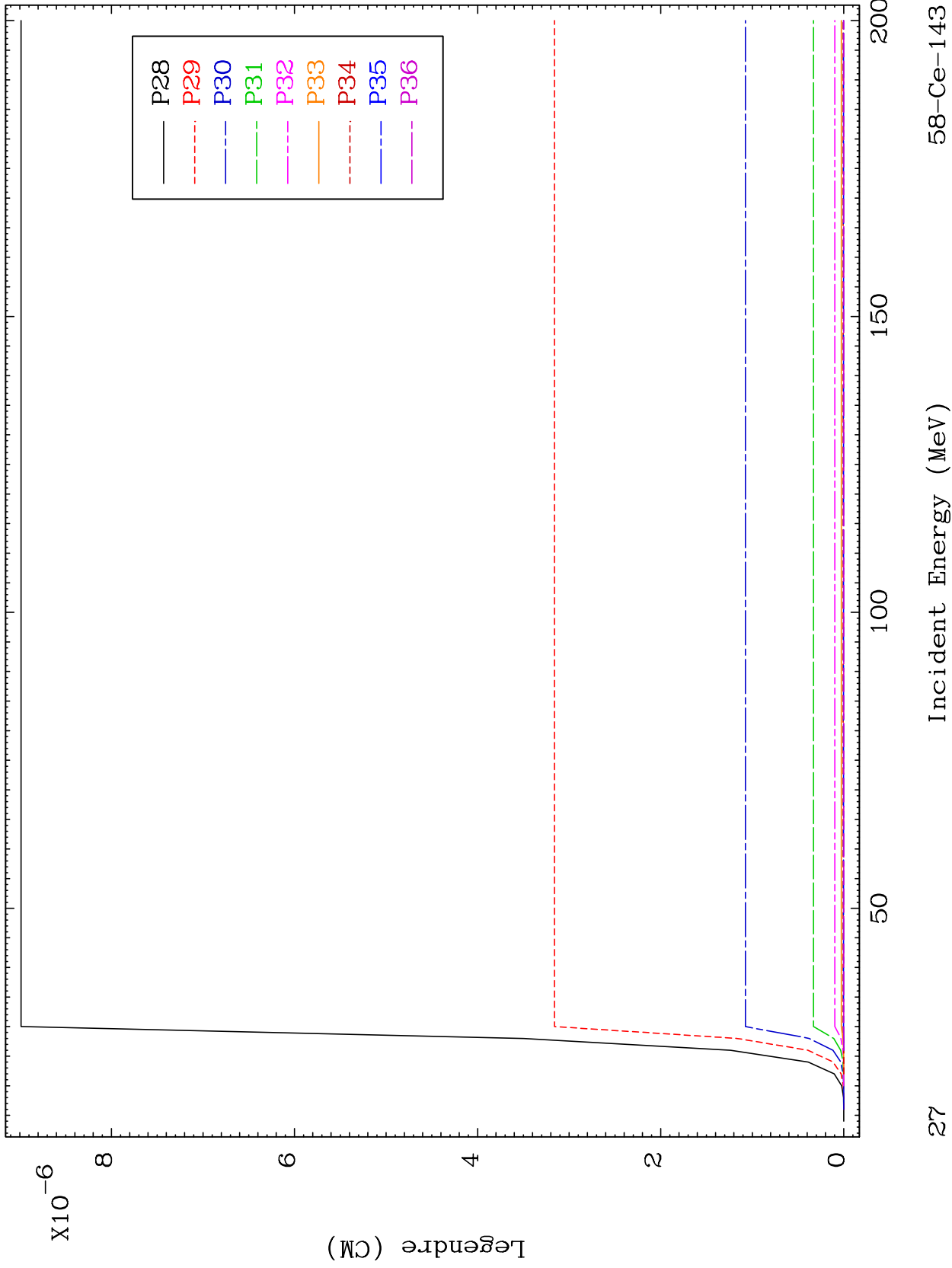




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42.28 keV (n,n') Level
Legendre Coefficients

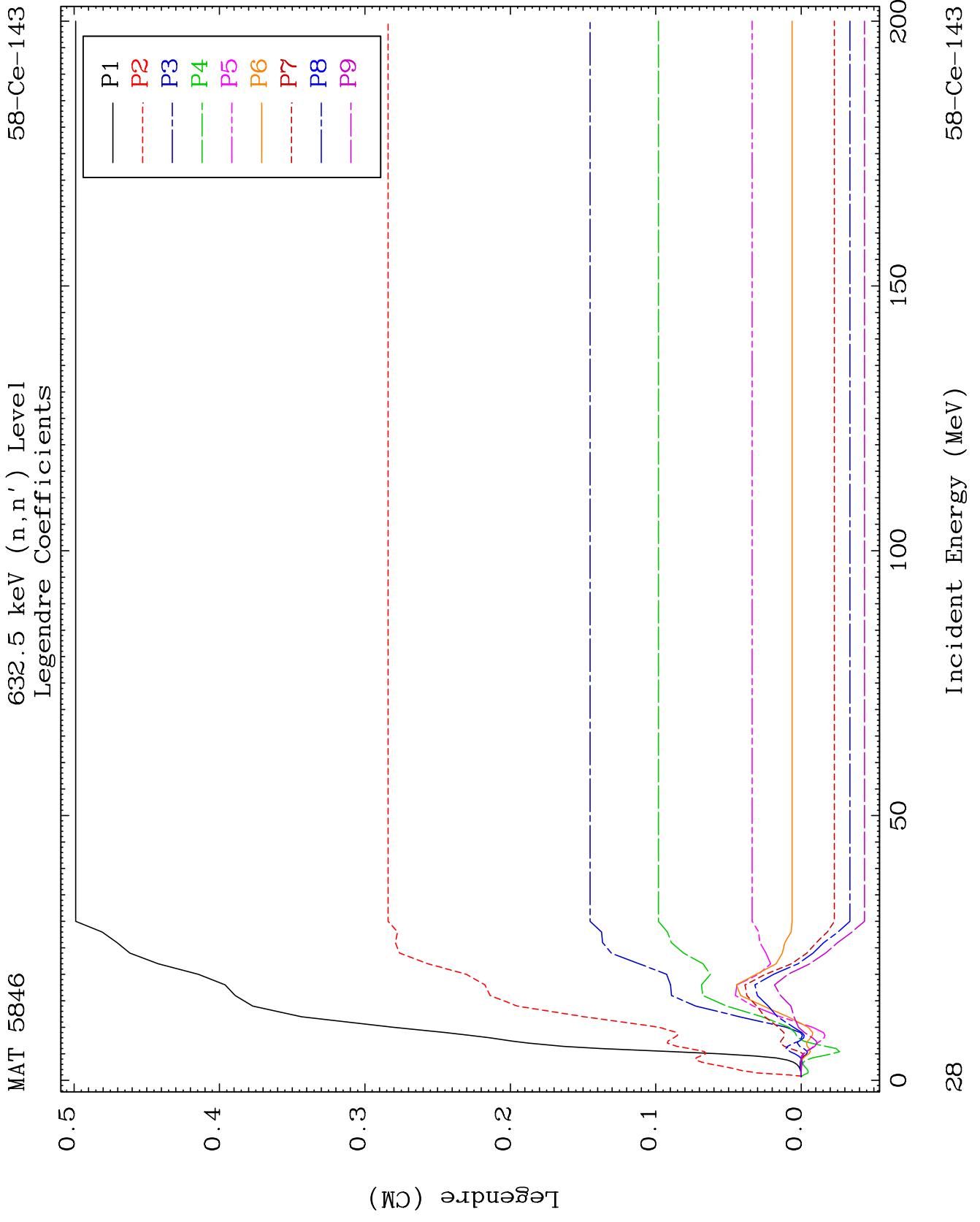
58-Ce-143



27

Incident Energy (MeV)

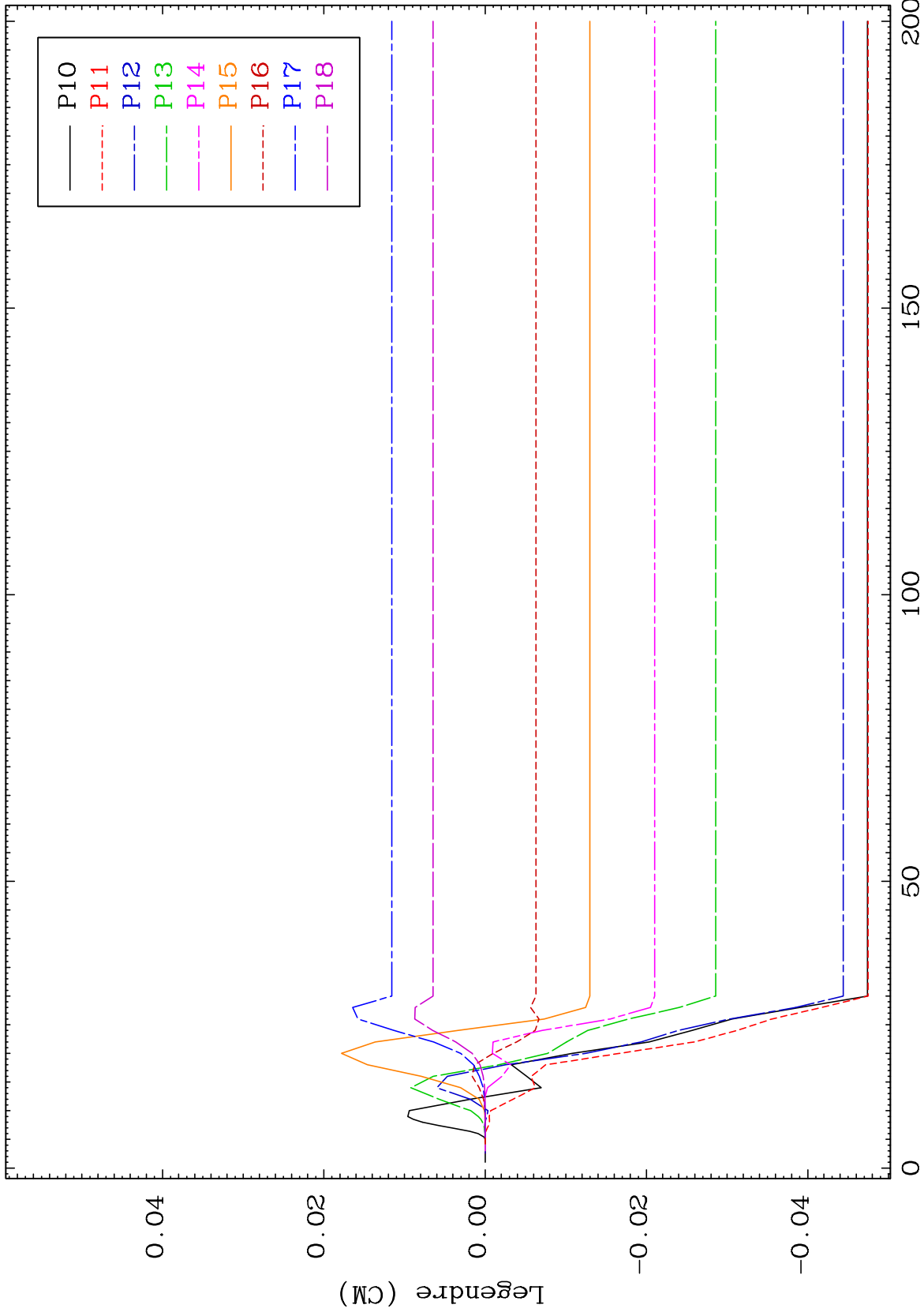
58-Ce-143



MAT 5846

632.5 keV (n,n') Level
Legendre Coefficients

58-Ce-143



29

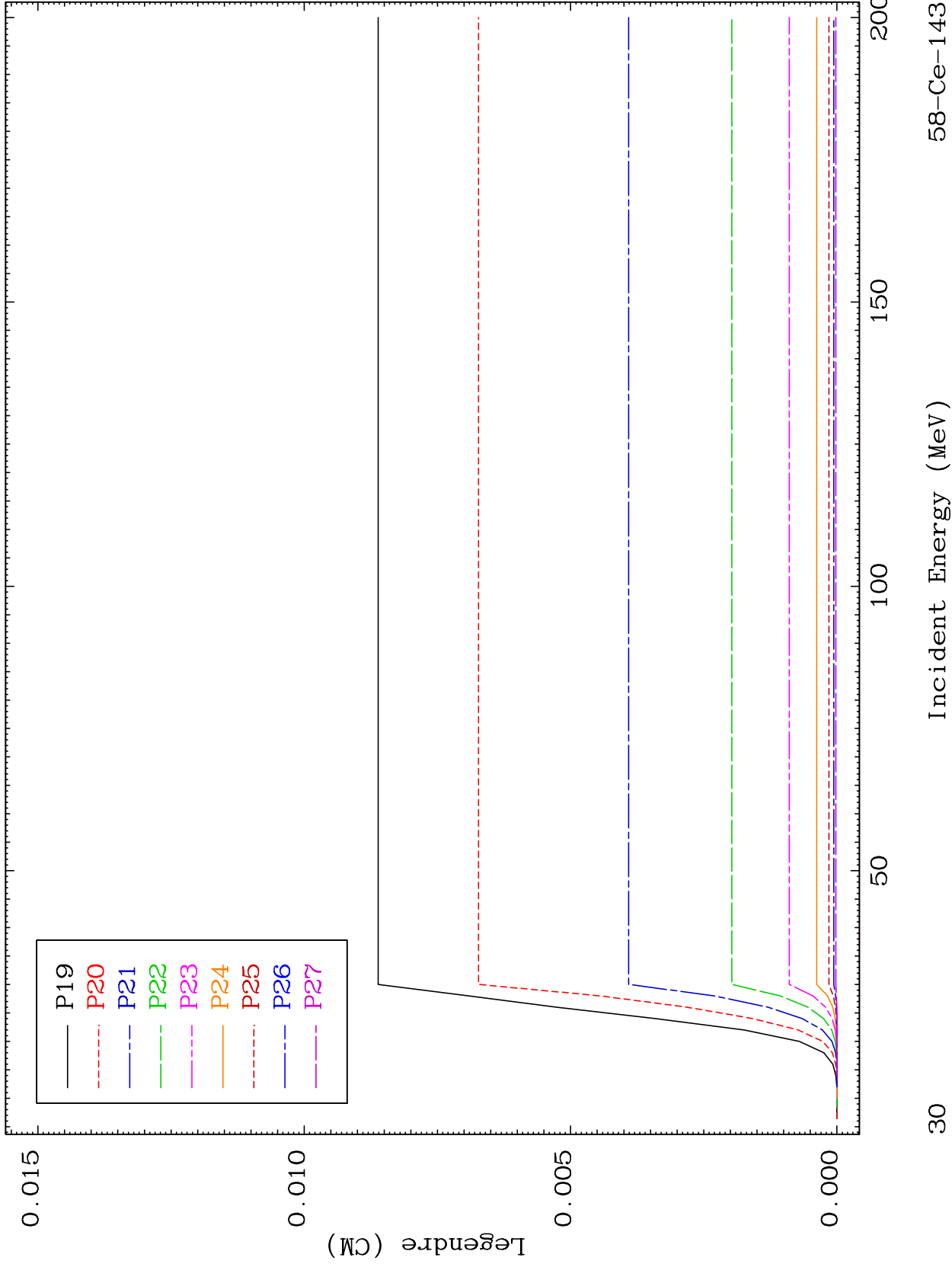
Incident Energy (MeV)

58-Ce-143

MAT 5846

632.5 keV (n,n') Level
Legendre Coefficients

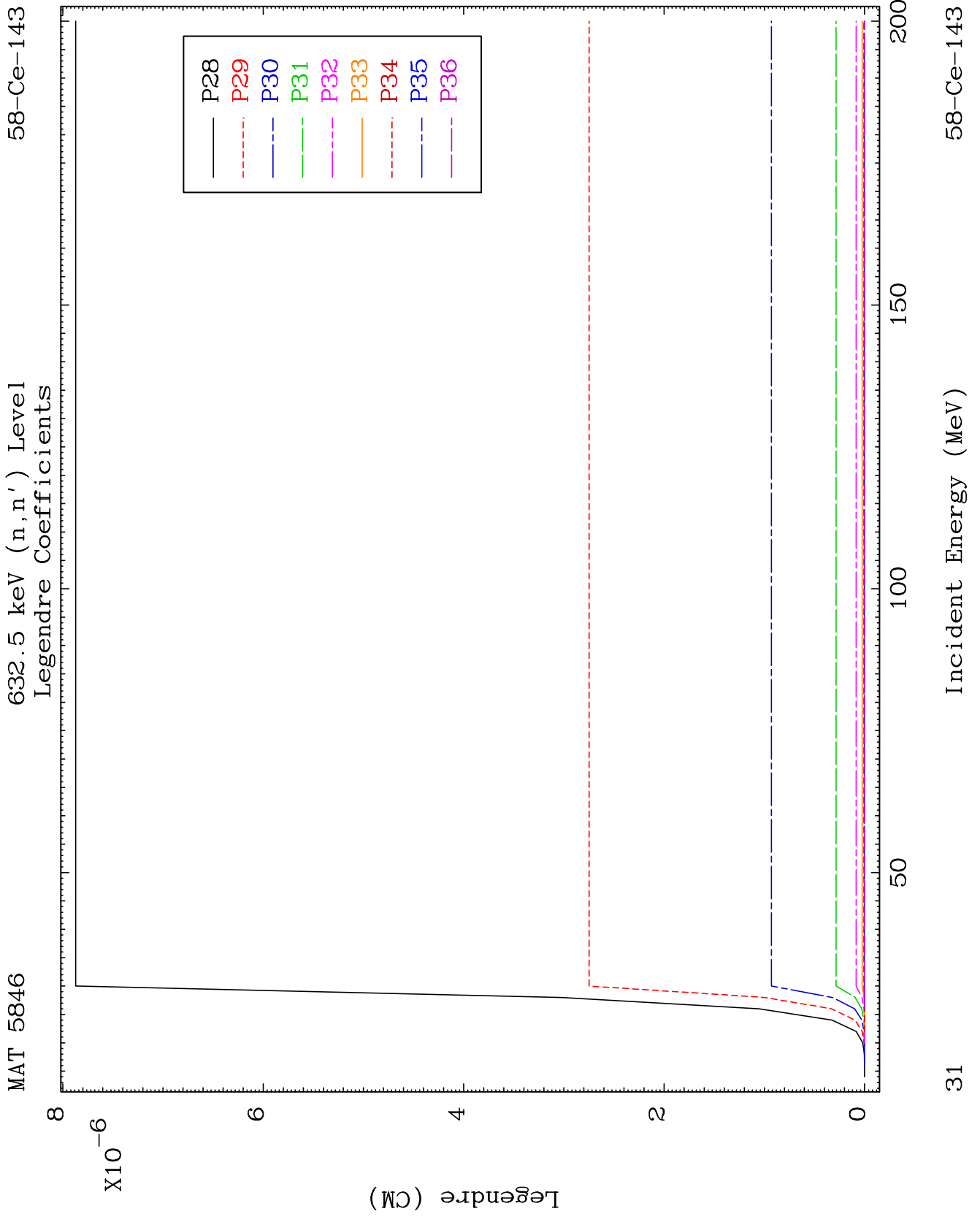
58-Ce-143

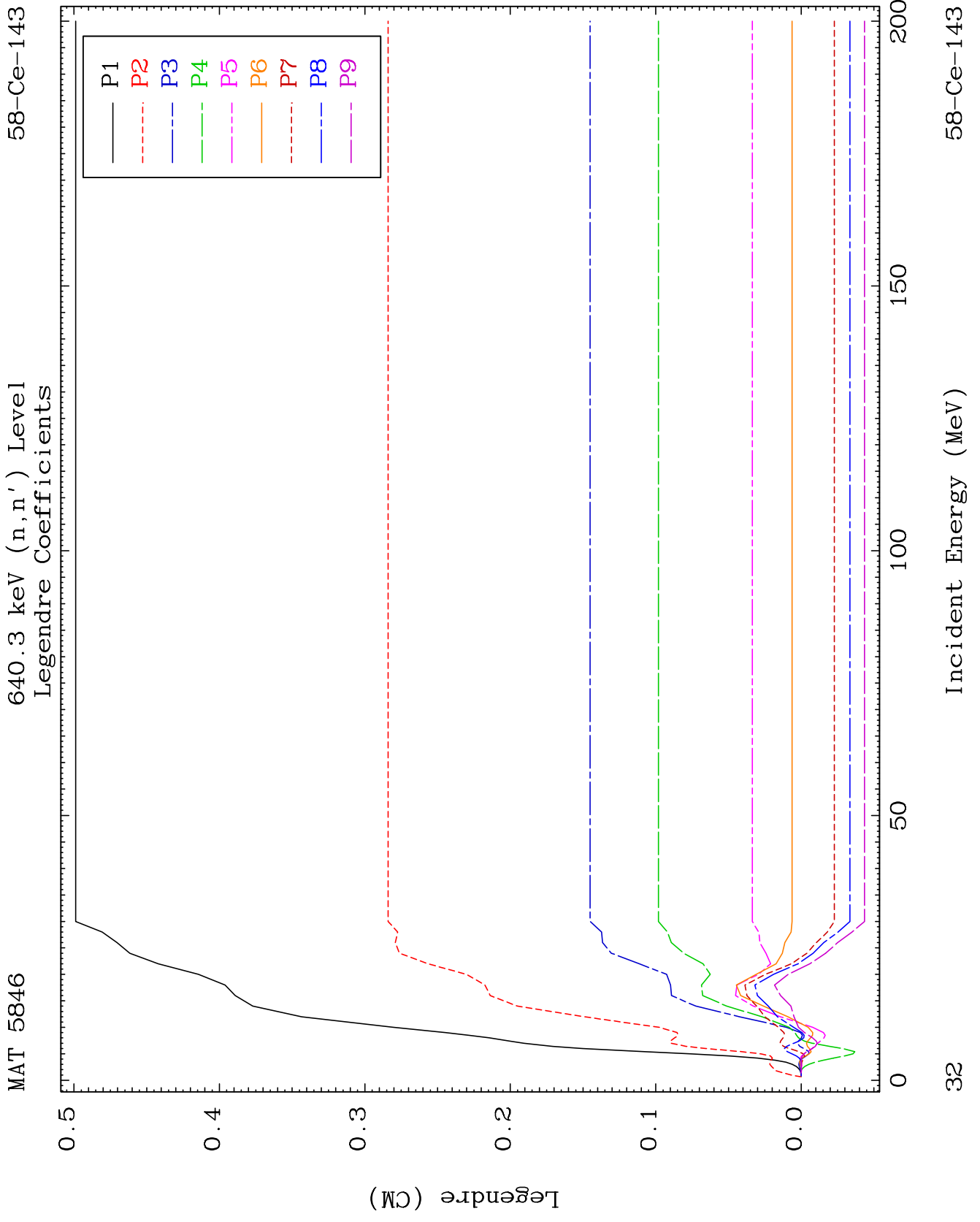


58-Ce-143

Incident Energy (MeV)

30

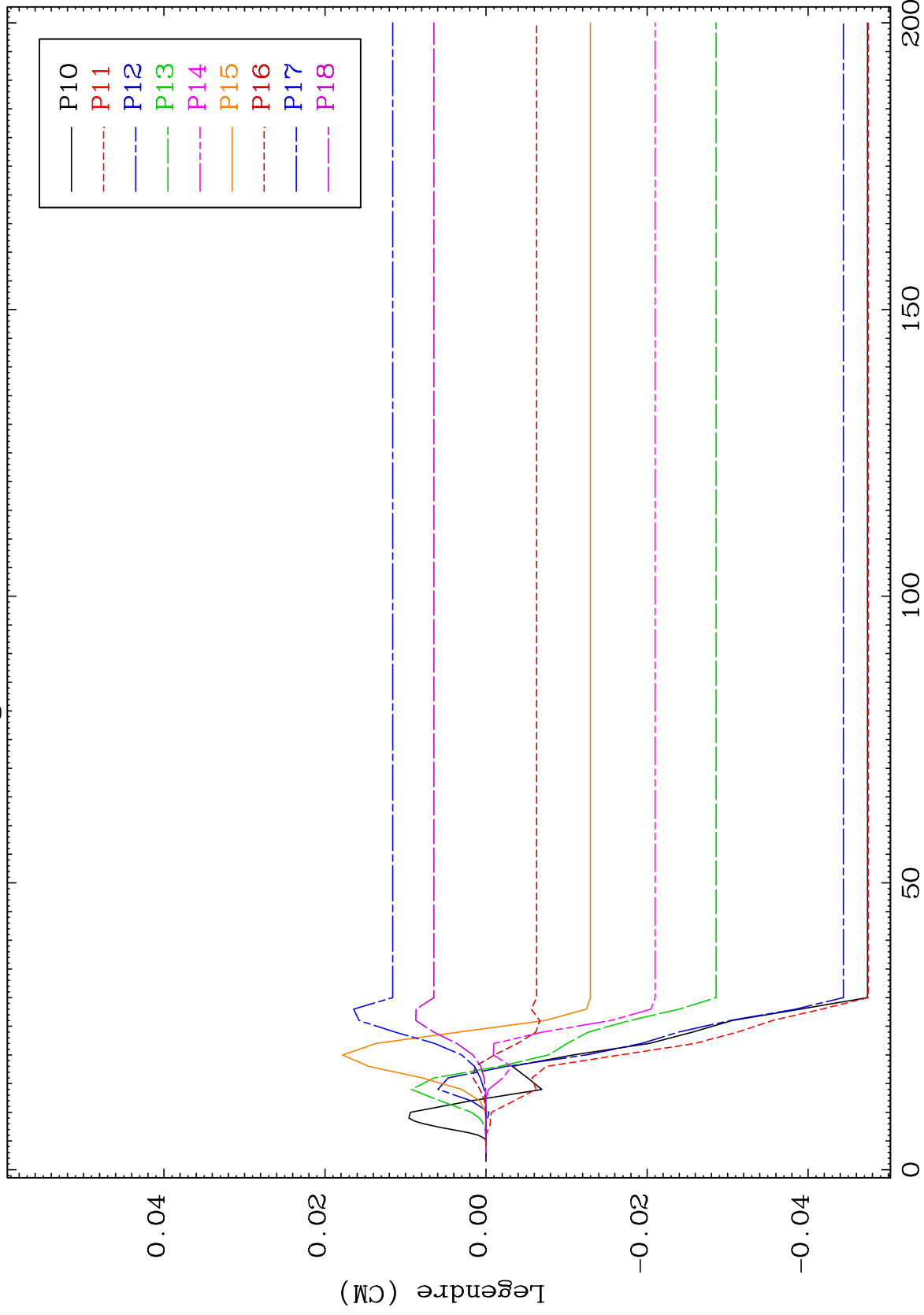




MAT 5846

640.3 keV (n,n') Level
Legendre Coefficients

58-Ce-143



33

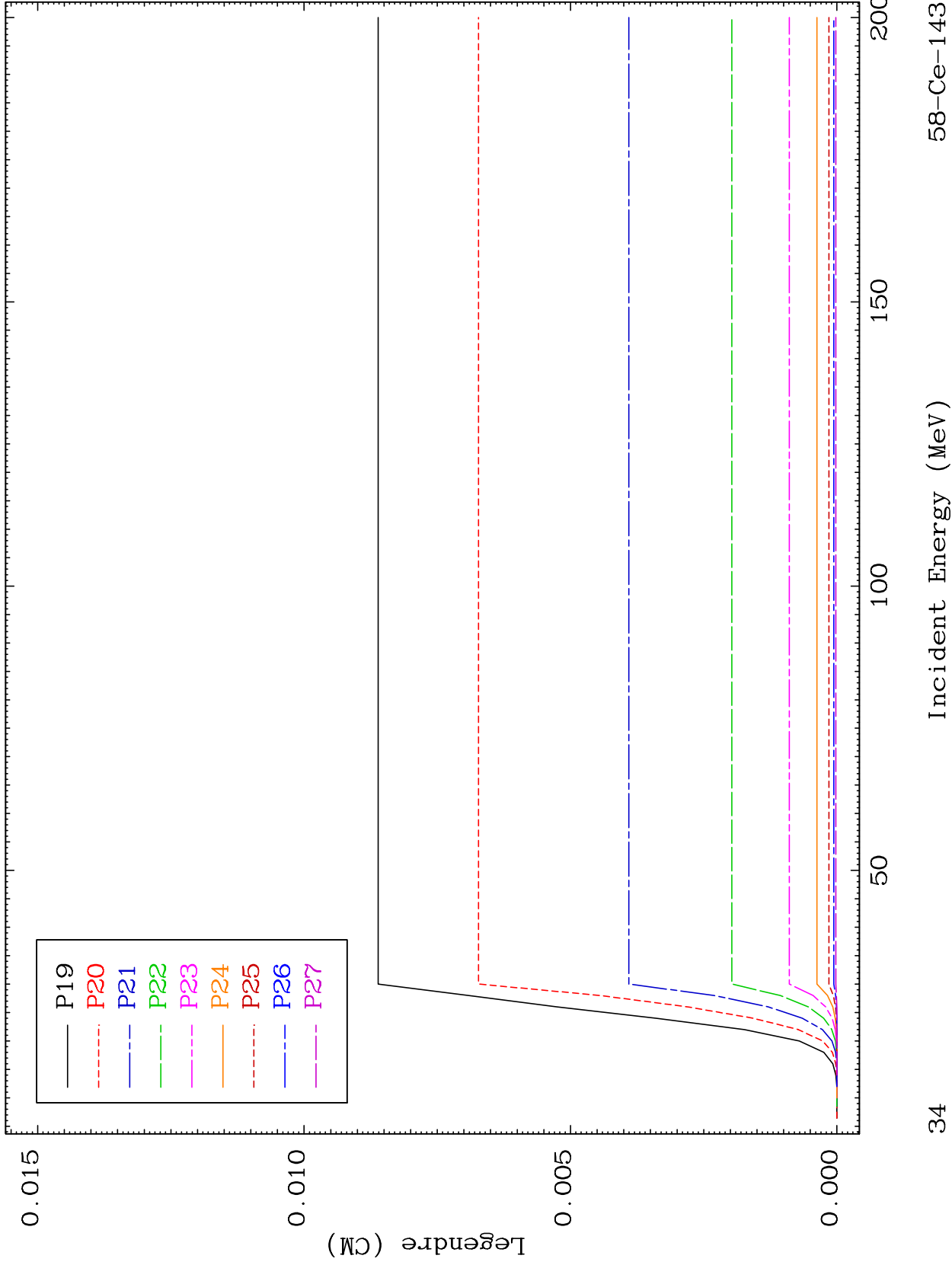
Incident Energy (MeV)

58-Ce-143

MAT 5846

640.3 keV (n,n') Level
Legendre Coefficients

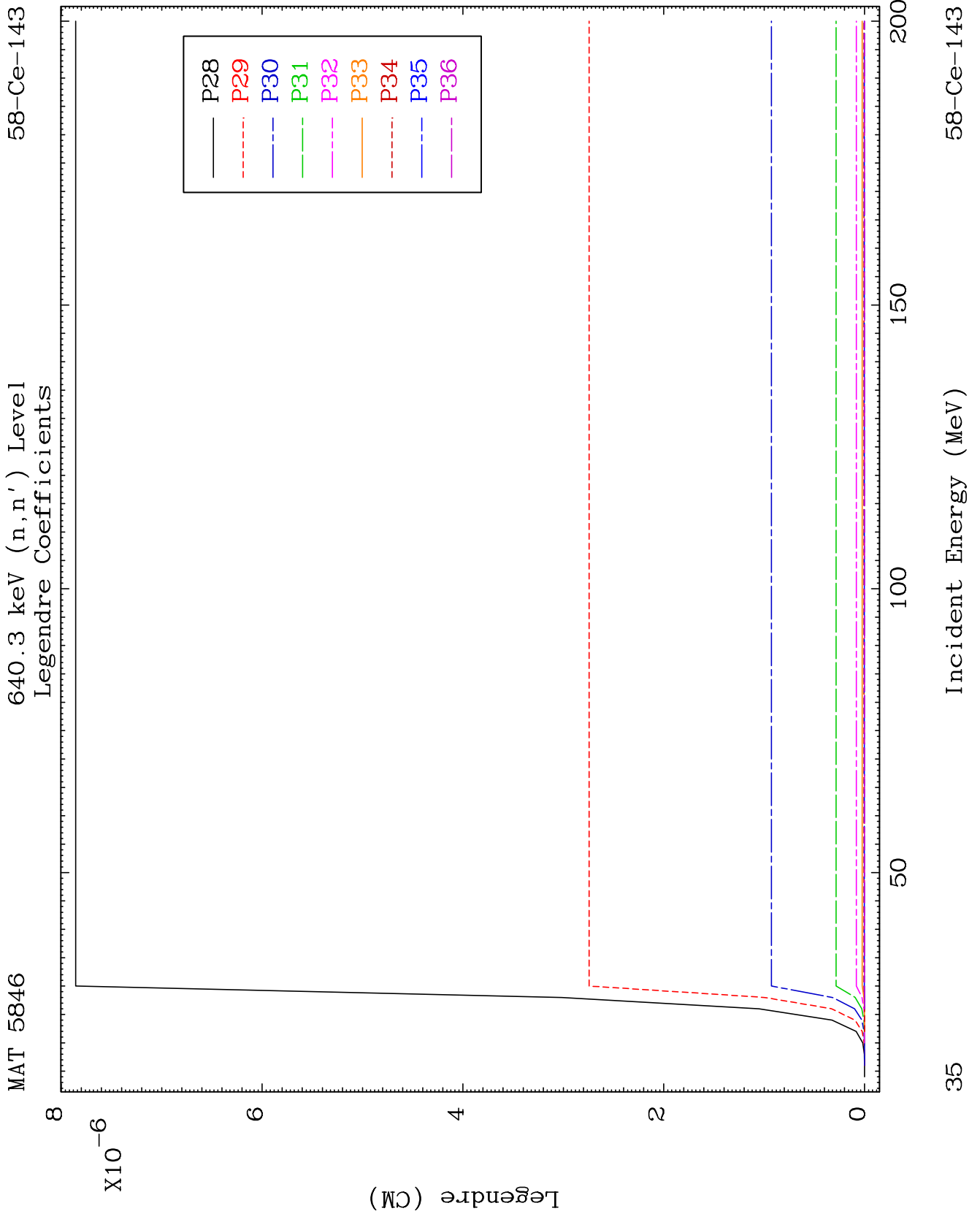
58-Ce-143



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Incident Energy (MeV)

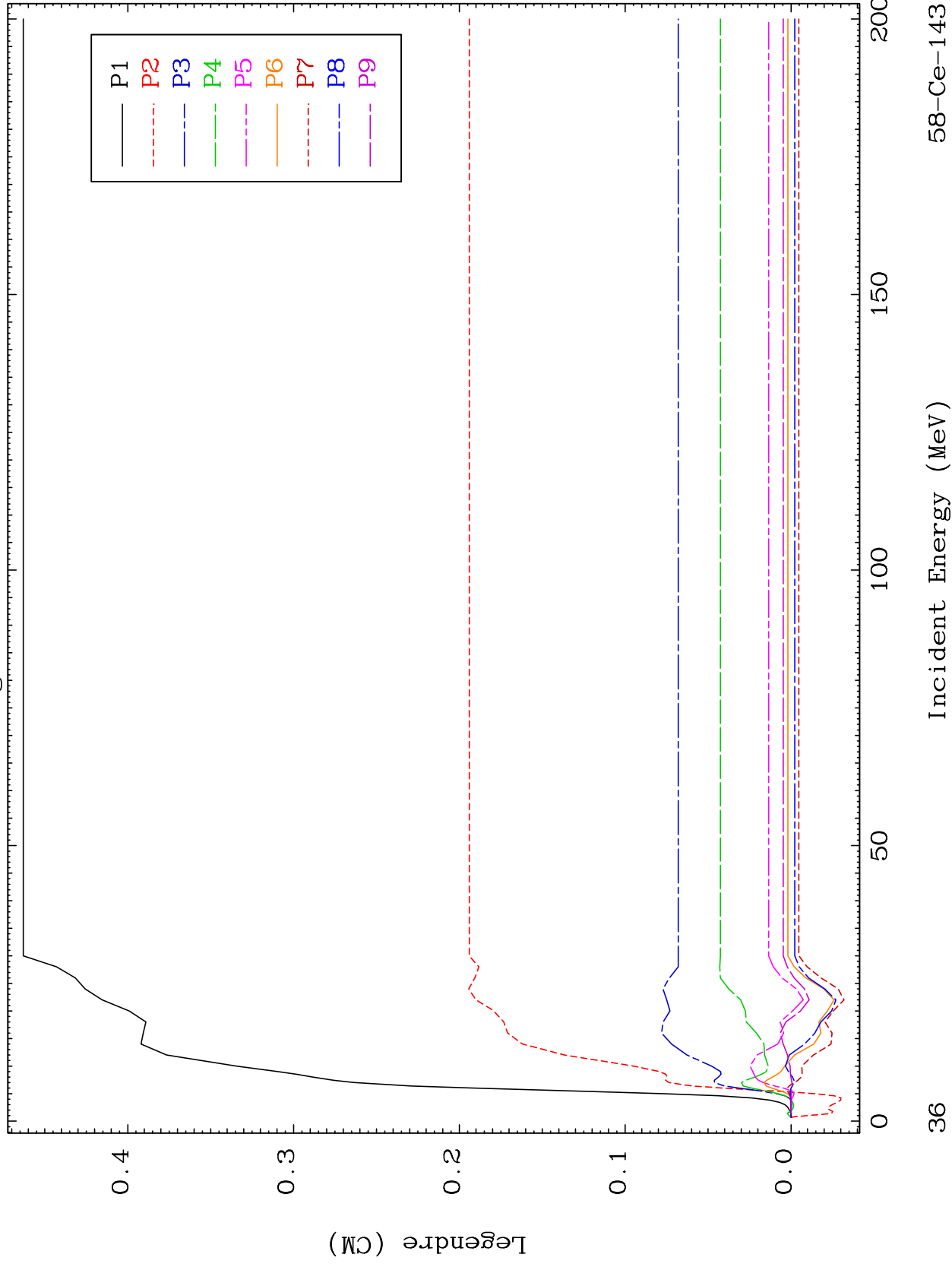
58-Ce-143



MAT 5846

662.7 keV (n,n') Level
Legendre Coefficients

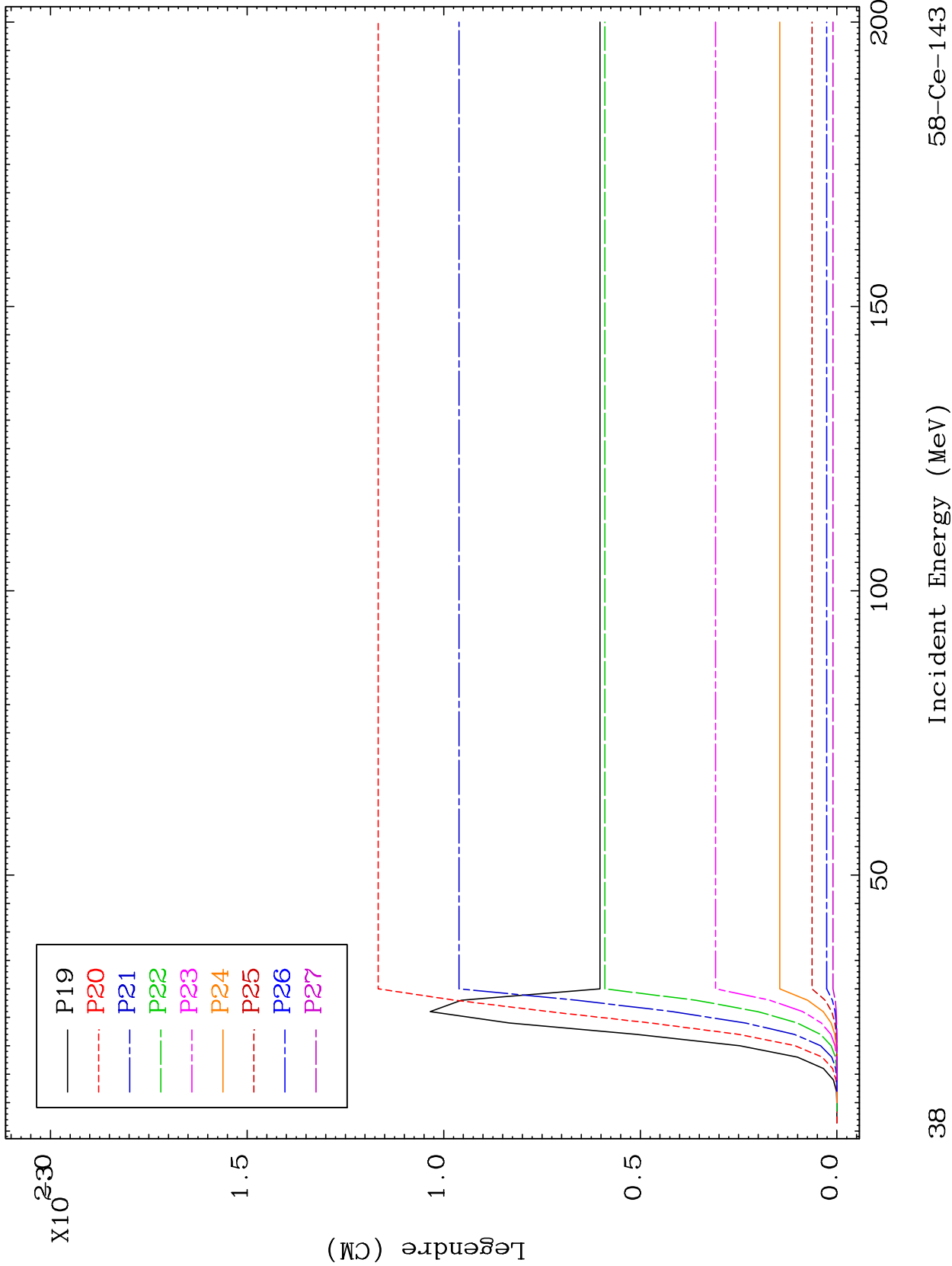
58-Ce-143



58-Ce-143

Incident Energy (MeV)

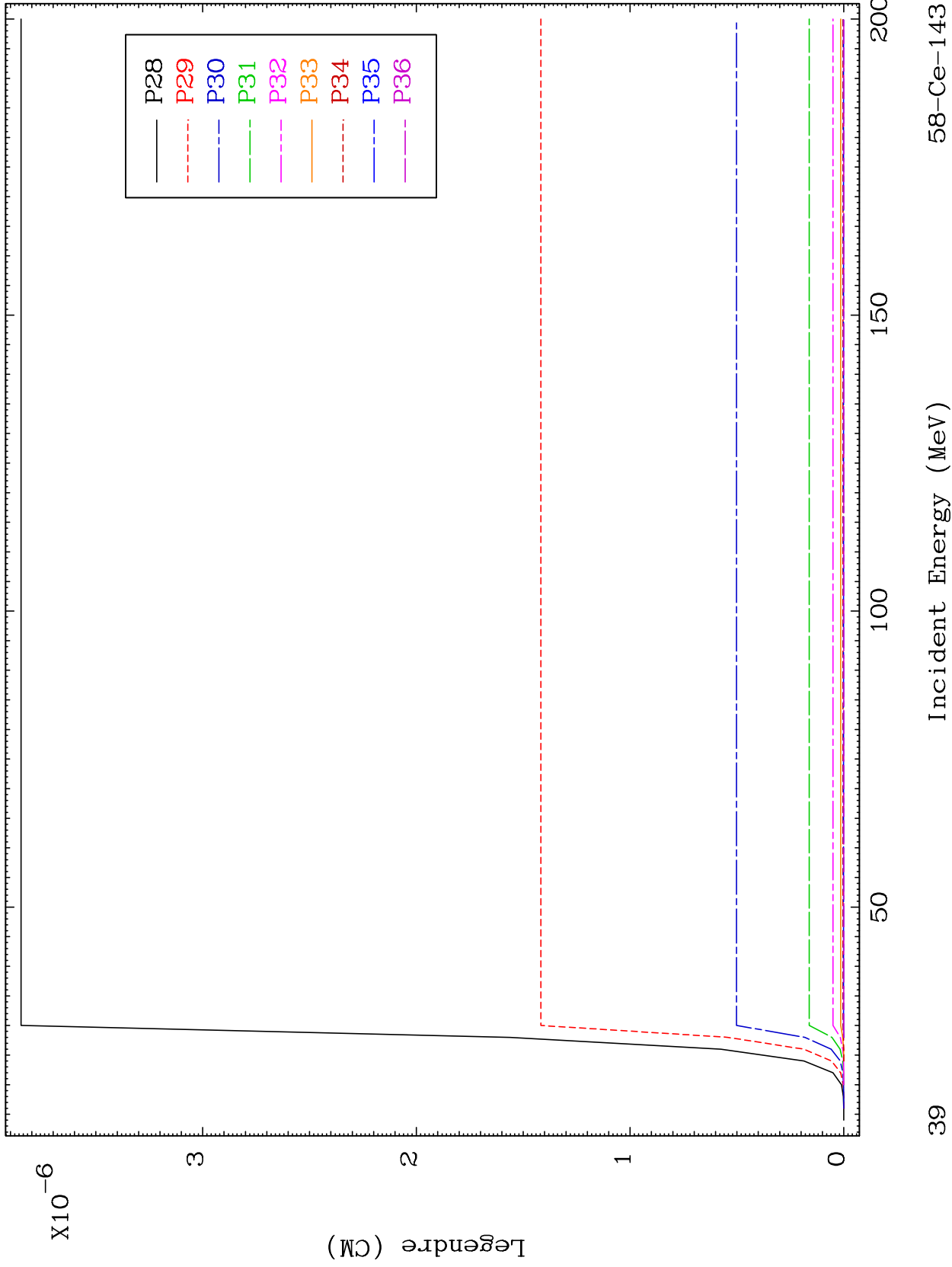
36



MAT 5846

662.7 keV (n, n') Level
Legendre Coefficients

58-Ce-143



39

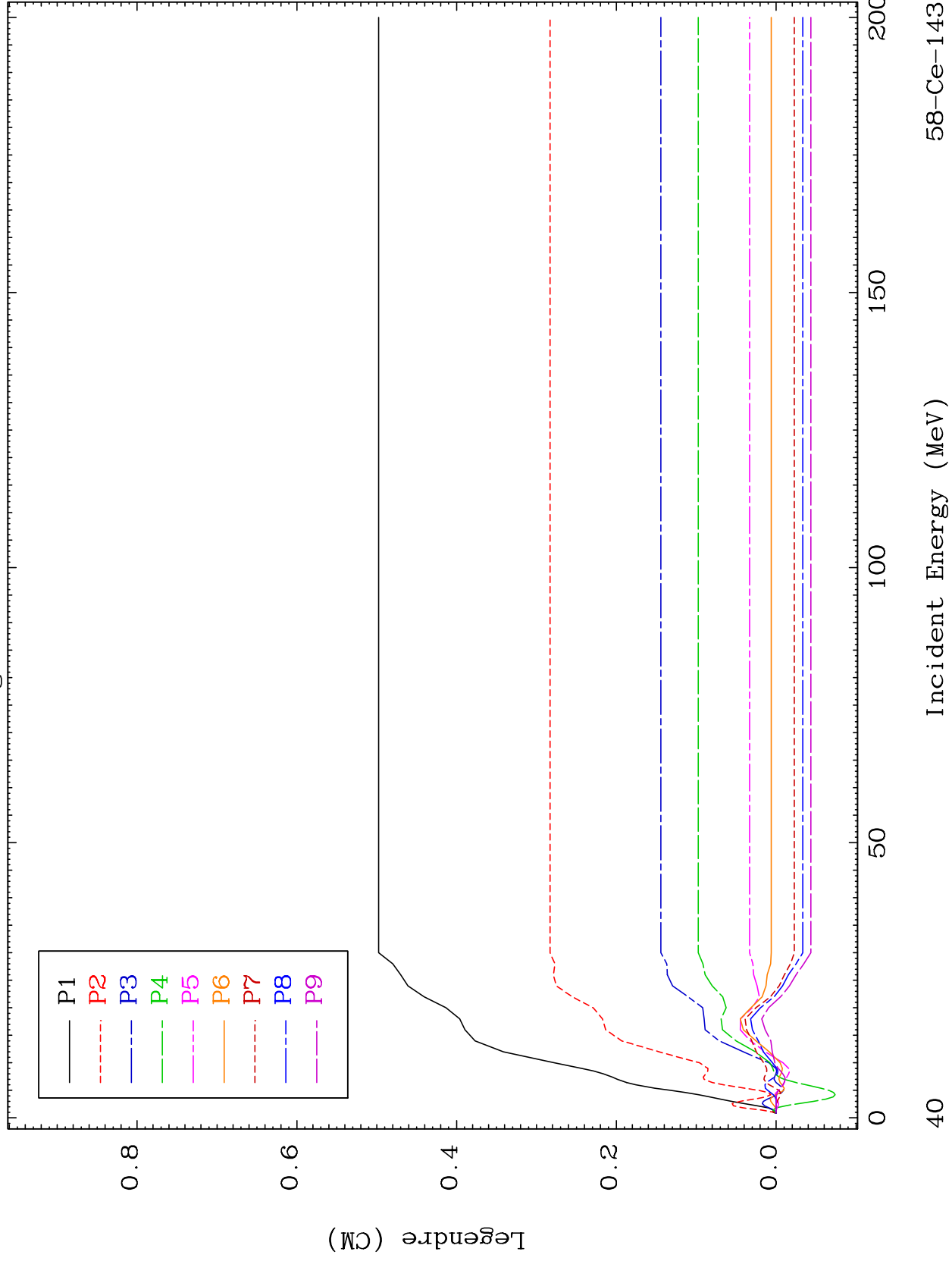
Incident Energy (MeV)

58-Ce-143

MAT 5846

808.2 keV (n,n') Level
Legendre Coefficients

58-Ce-143

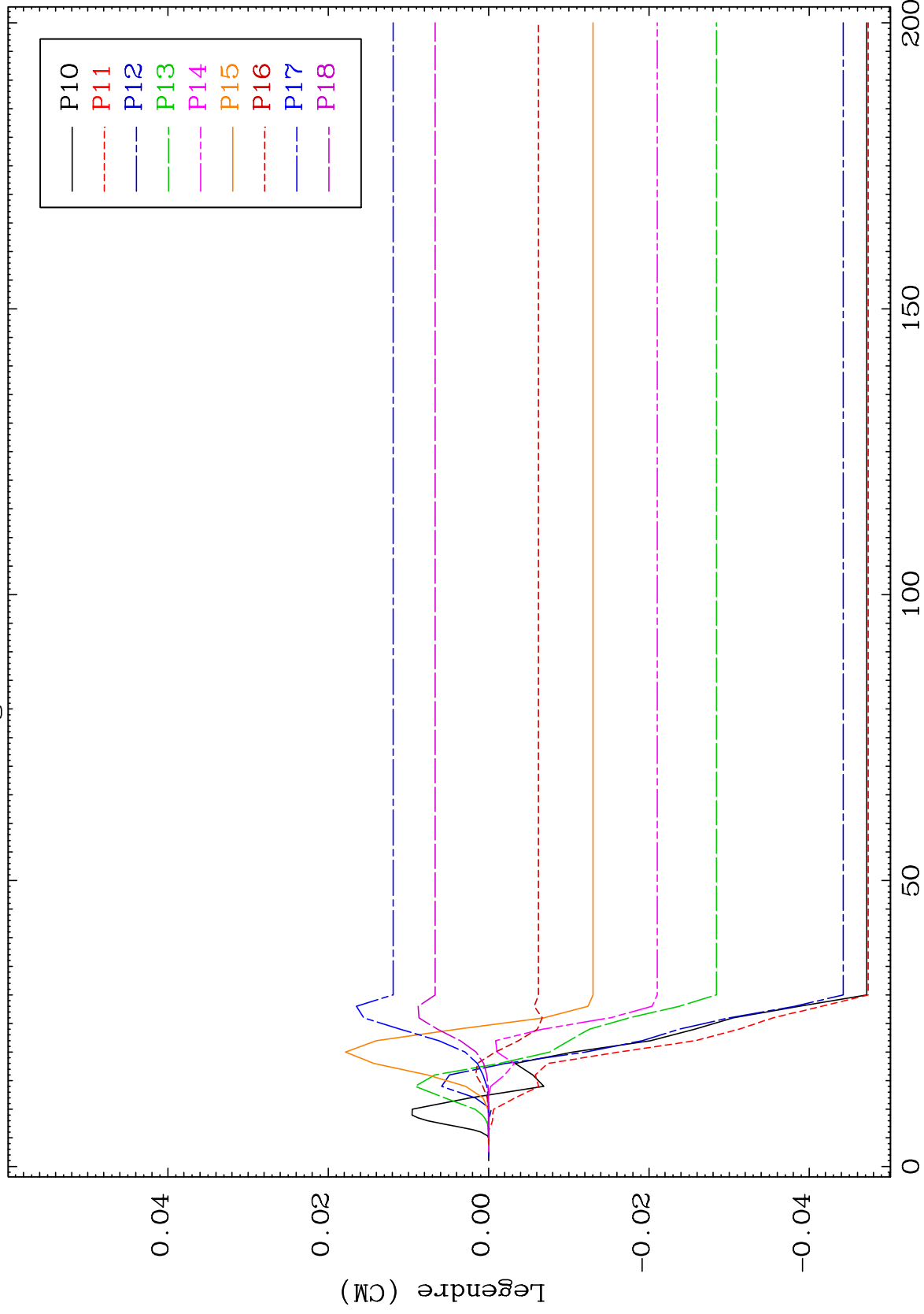


58-Ce-143

MAT 5846

808.2 keV (n,n') Level
Legendre Coefficients

58-Ce-143



41

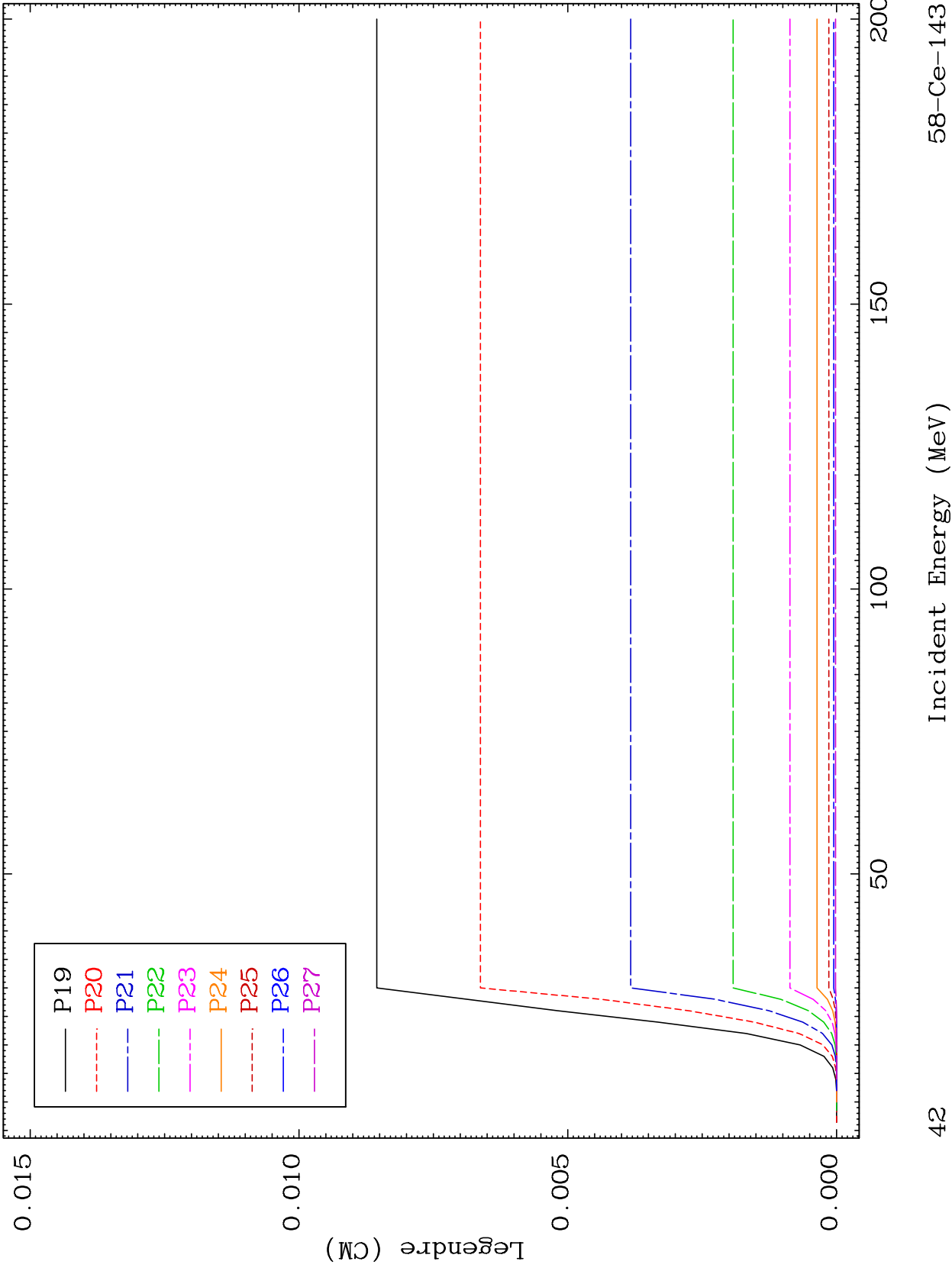
Incident Energy (MeV)

58-Ce-143

MAT 5846

808.2 keV (n,n') Level
Legendre Coefficients

58-Ce-143



42

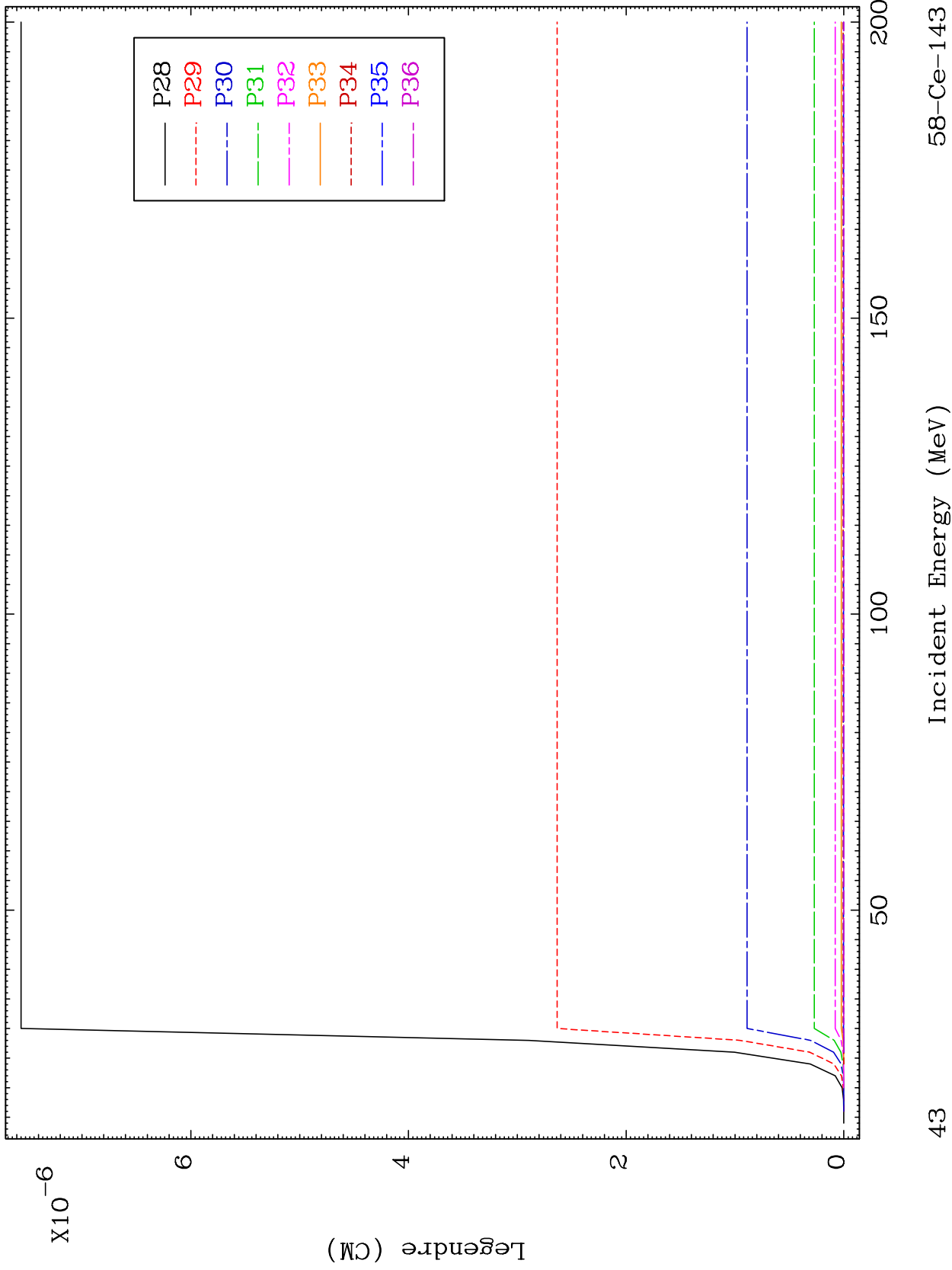
Incident Energy (MeV)

58-Ce-143

MAT 5846

808.2 keV (n, n') Level
Legendre Coefficients

58-Ce-143



43

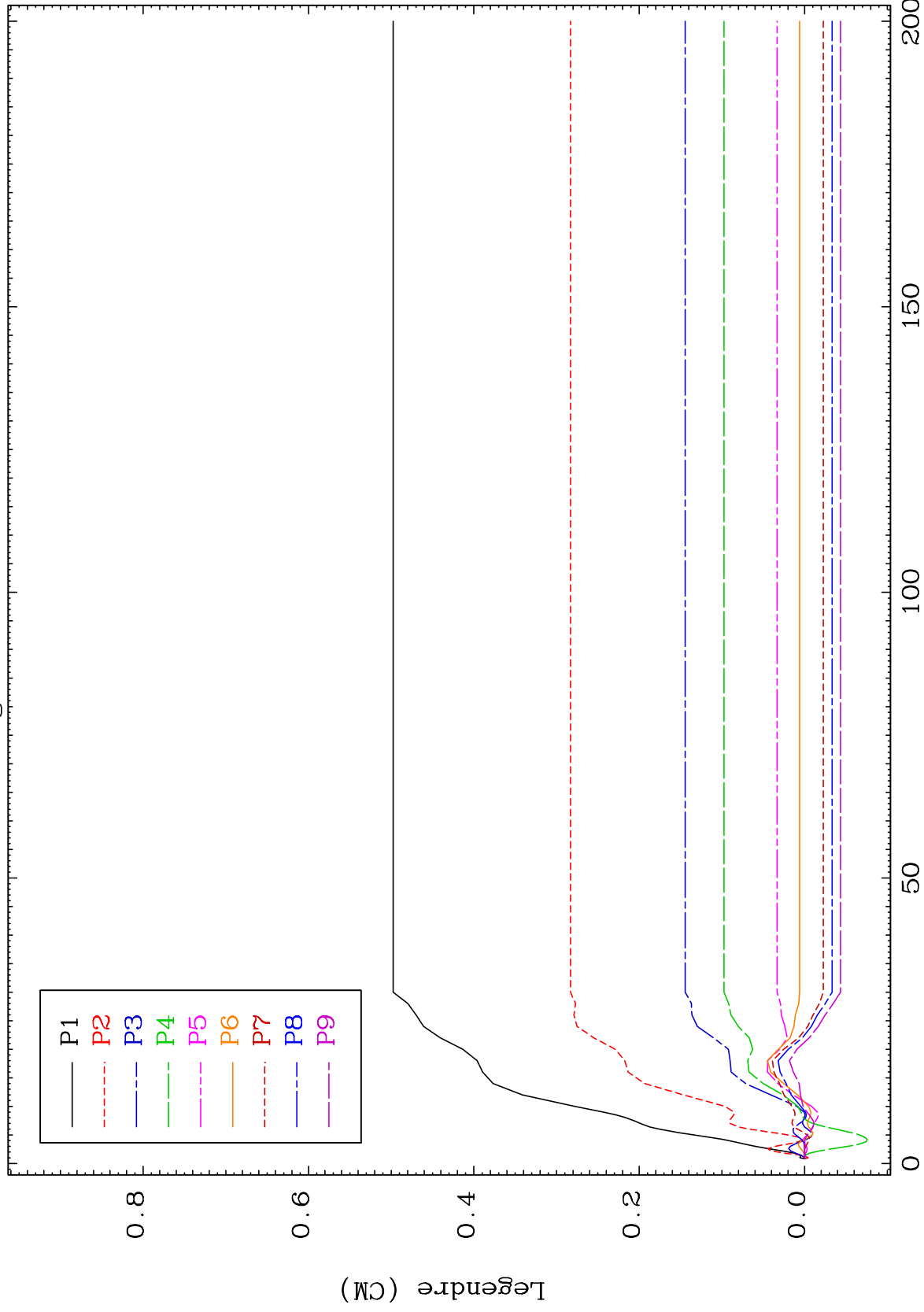
Incident Energy (MeV)

58-Ce-143

MAT 5846

817.0 keV (n,n') Level
Legendre Coefficients

58-Ce-143



44

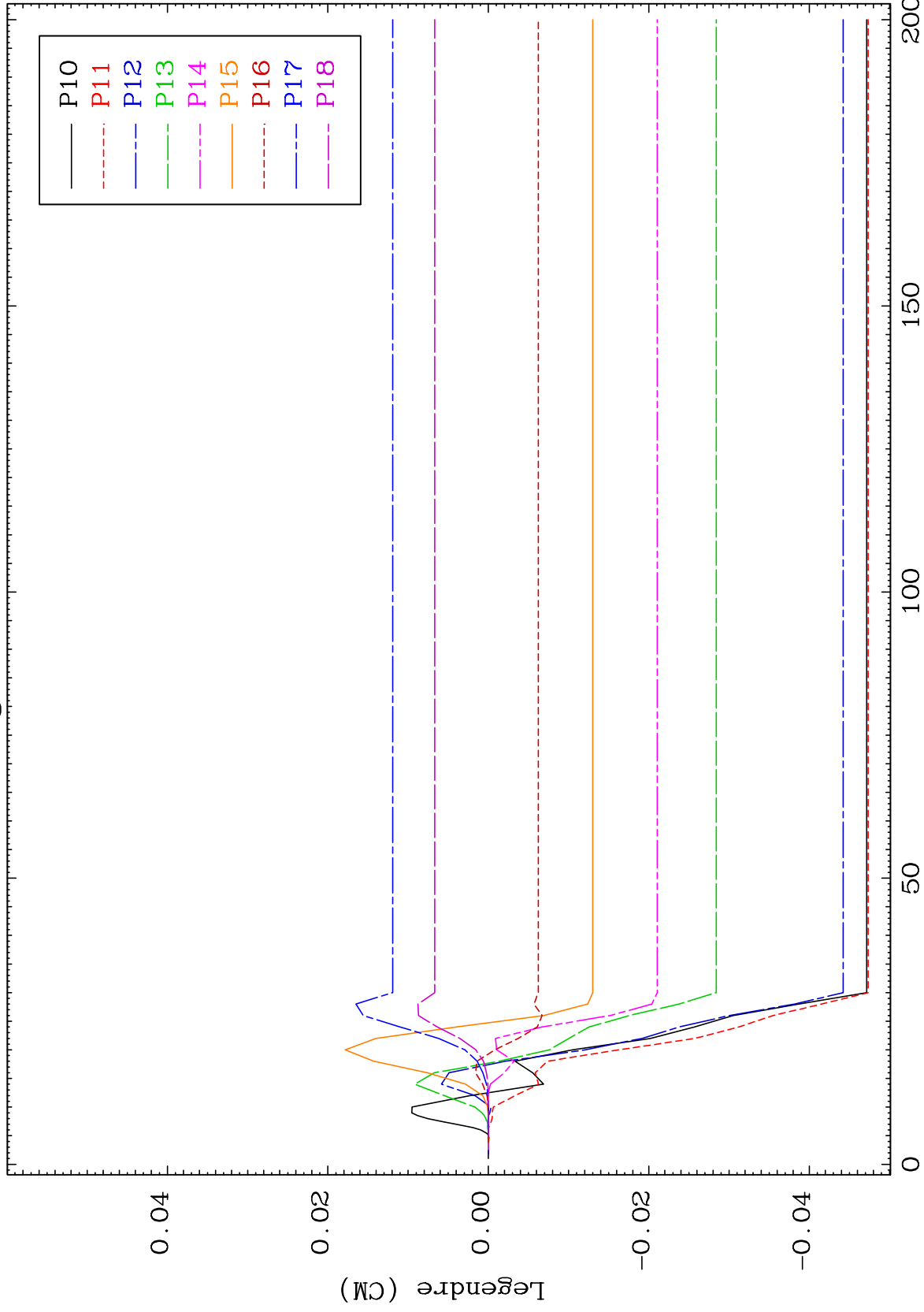
Incident Energy (MeV)

58-Ce-143

MAT 5846

817.0 keV (n,n') Level
Legendre Coefficients

58-Ce-143



45

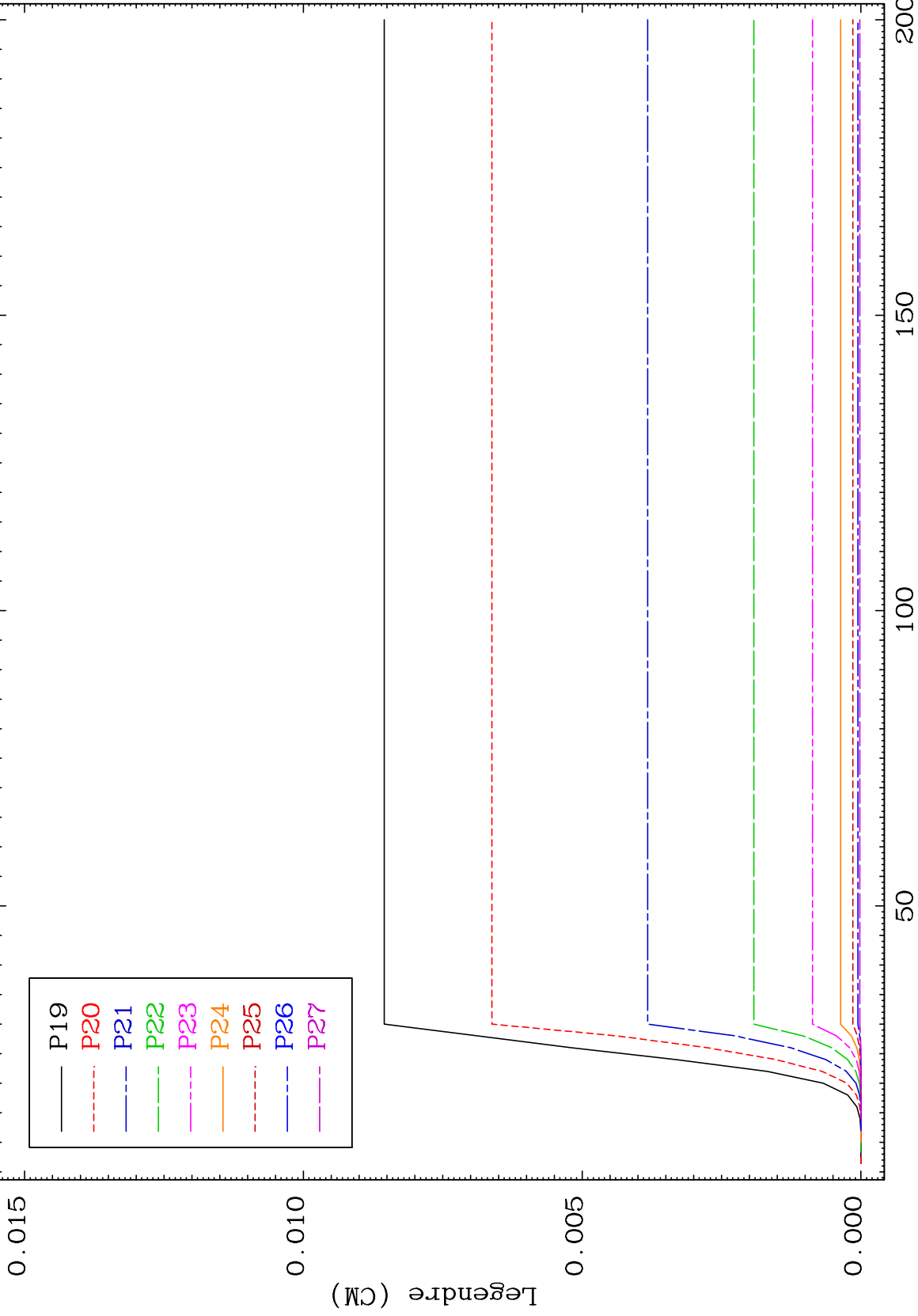
Incident Energy (MeV)

58-Ce-143

MAT 5846

817.0 keV (n,n') Level
Legendre Coefficients

58-Ce-143



46

Incident Energy (MeV)

58-Ce-143

200

150

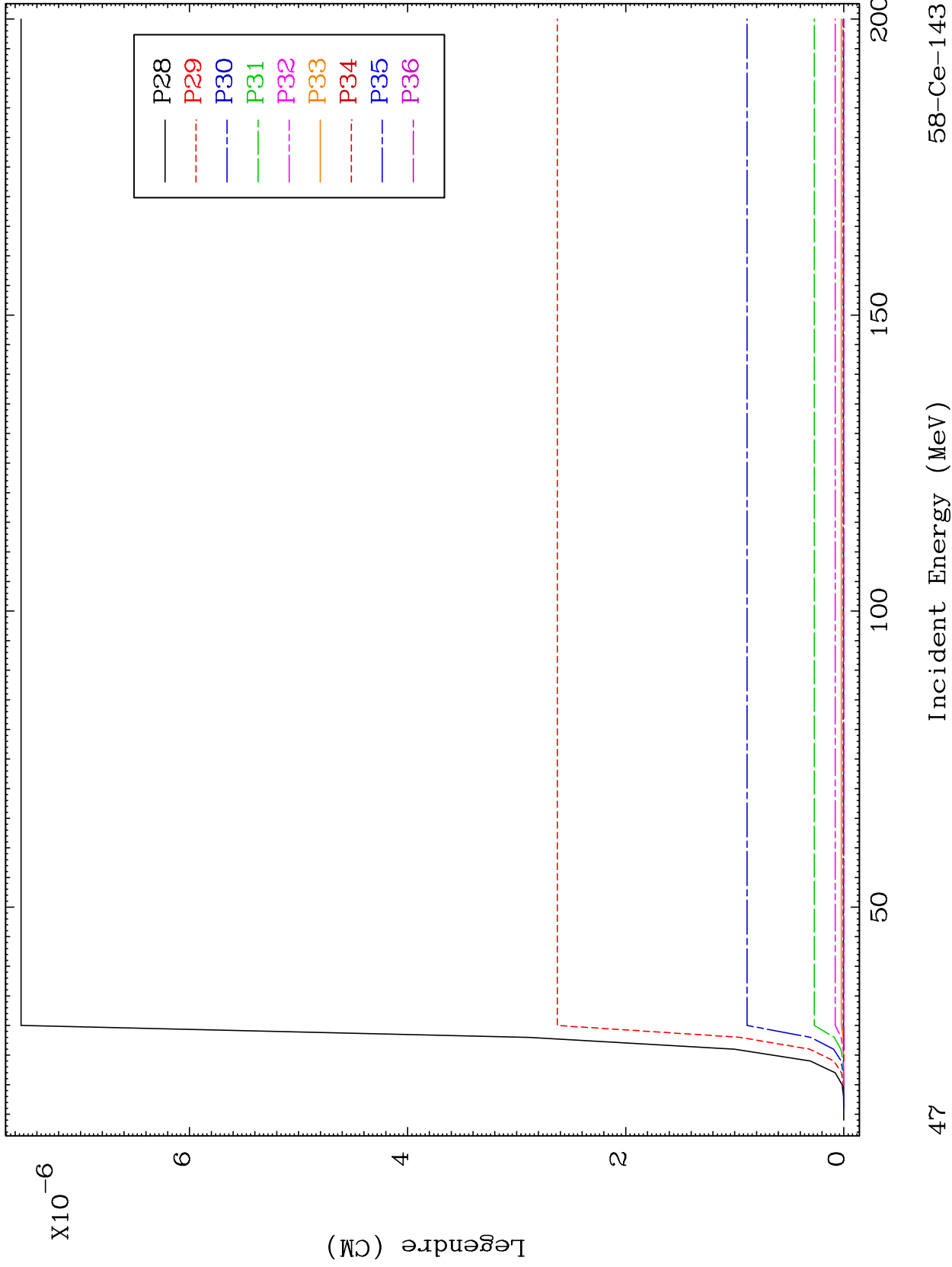
100

50

MAT 5846

817.0 keV (n, n') Level
Legendre Coefficients

58-Ce-143



47

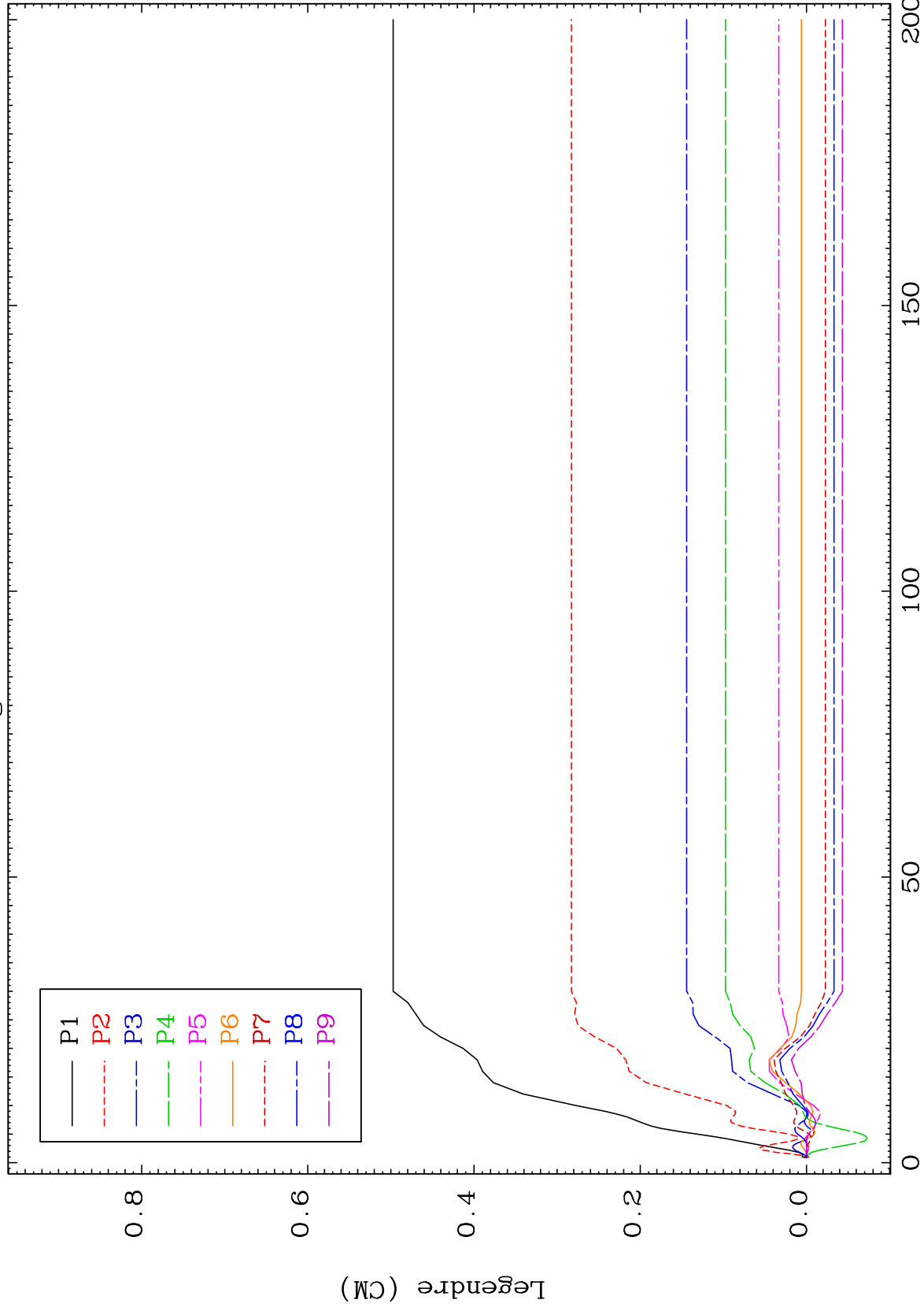
Incident Energy (MeV)

58-Ce-143

MAT 5846

862.1 keV (n,n') Level
Legendre Coefficients

58-Ce-143



48

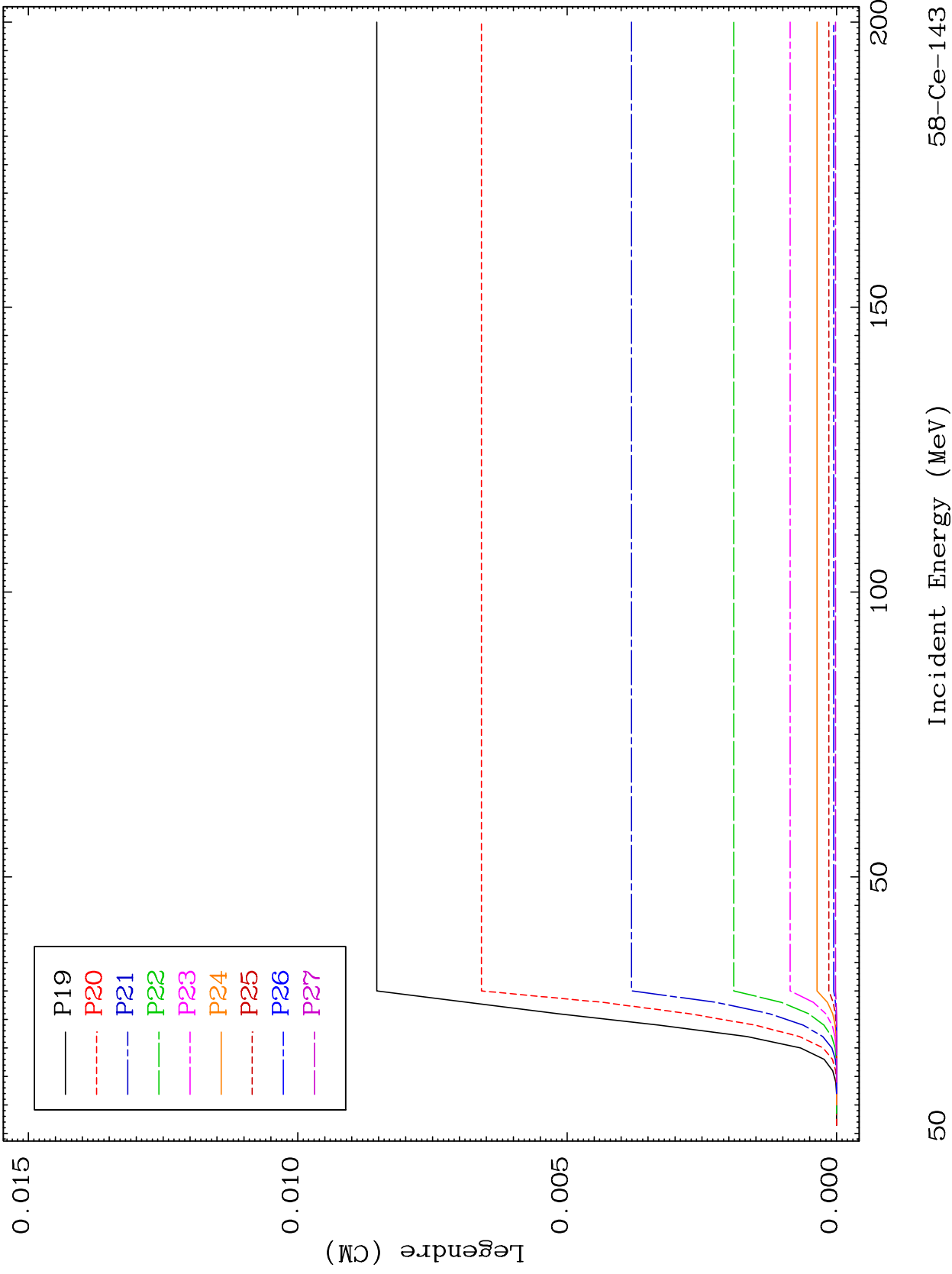
Incident Energy (MeV)

58-Ce-143

MAT 5846

862.1 keV (n,n') Level
Legendre Coefficients

58-Ce-143



58-Ce-143

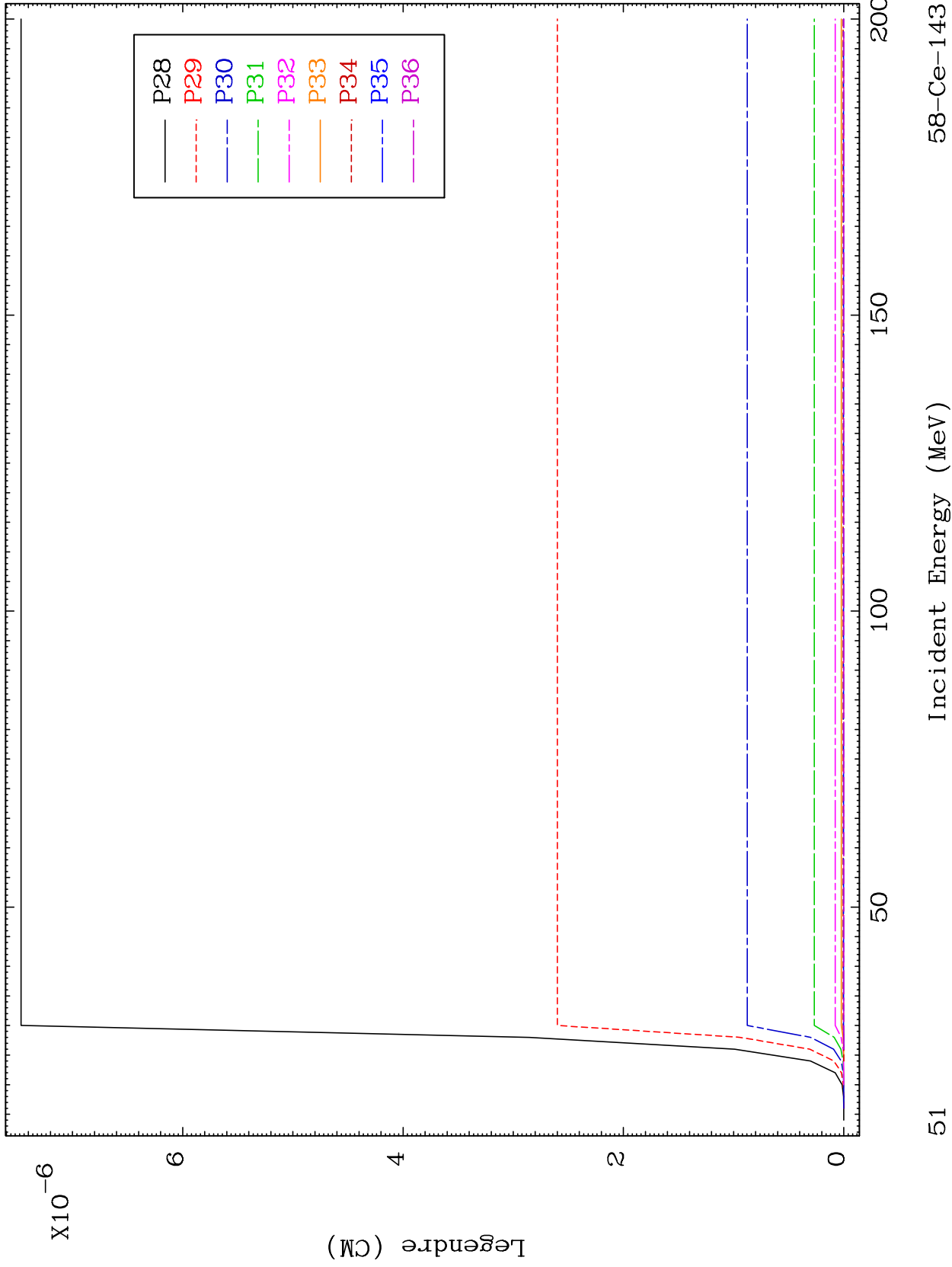
Incident Energy (MeV)

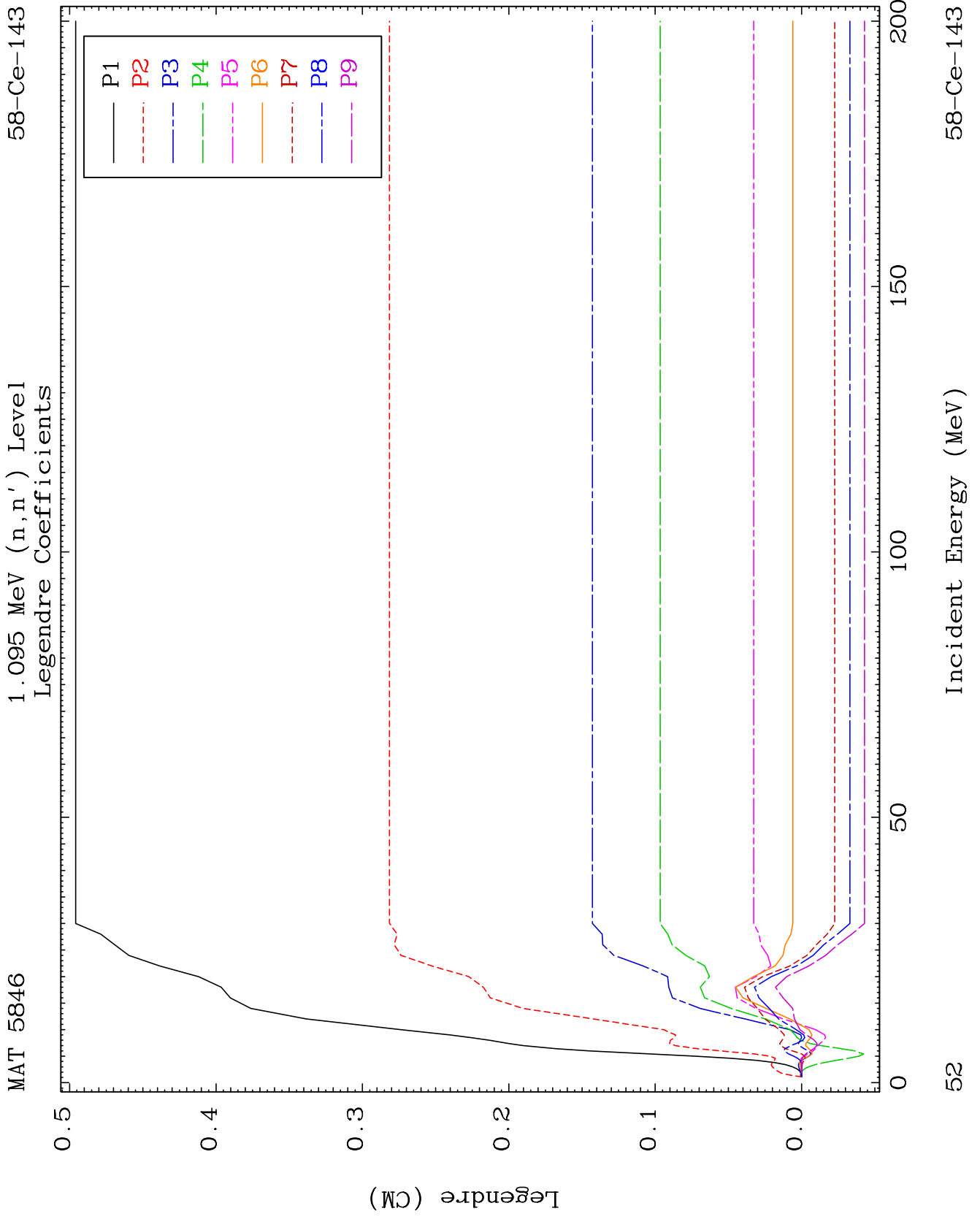
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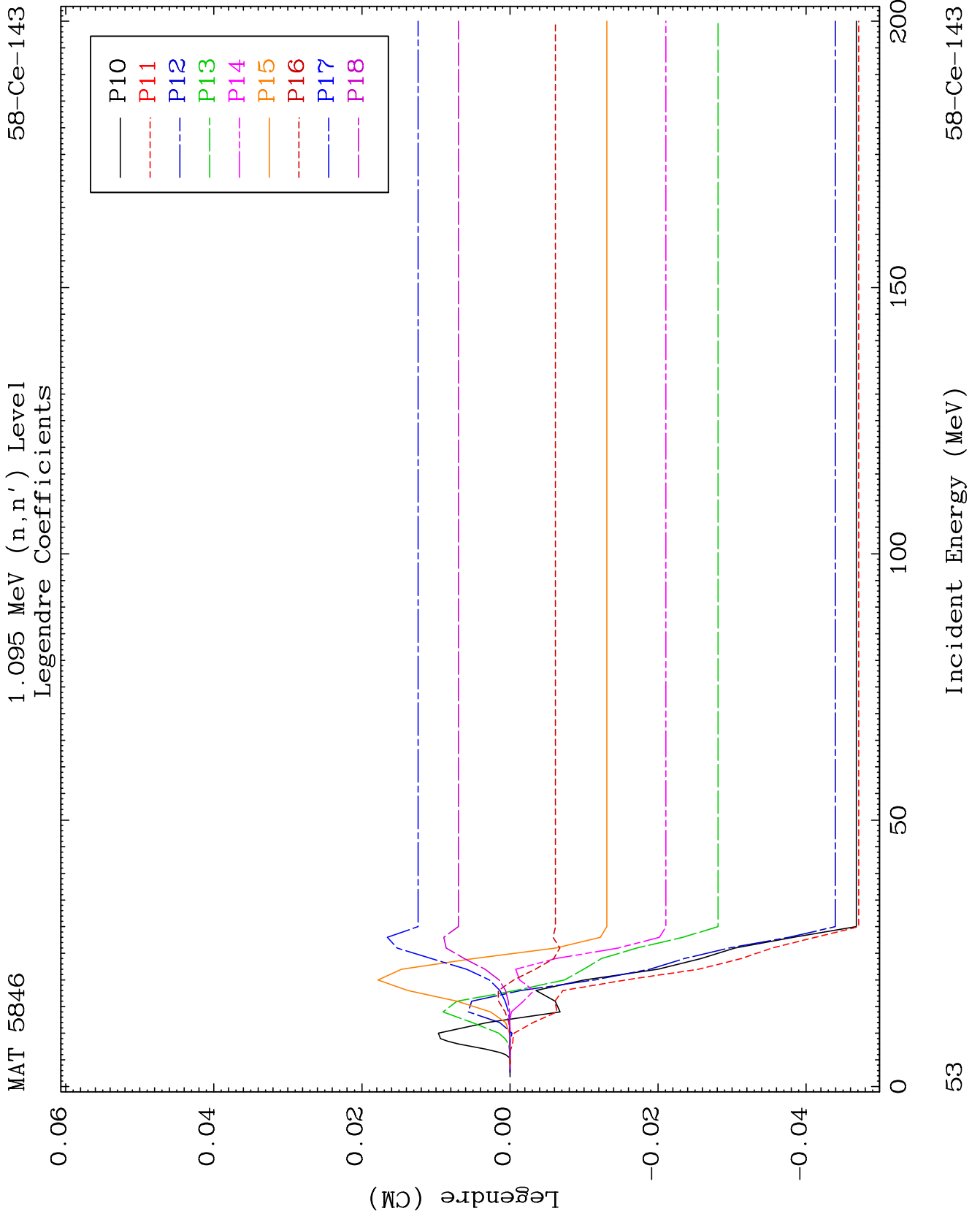
MAT 5846

862.1 keV (n, n') Level
Legendre Coefficients

58-Ce-143



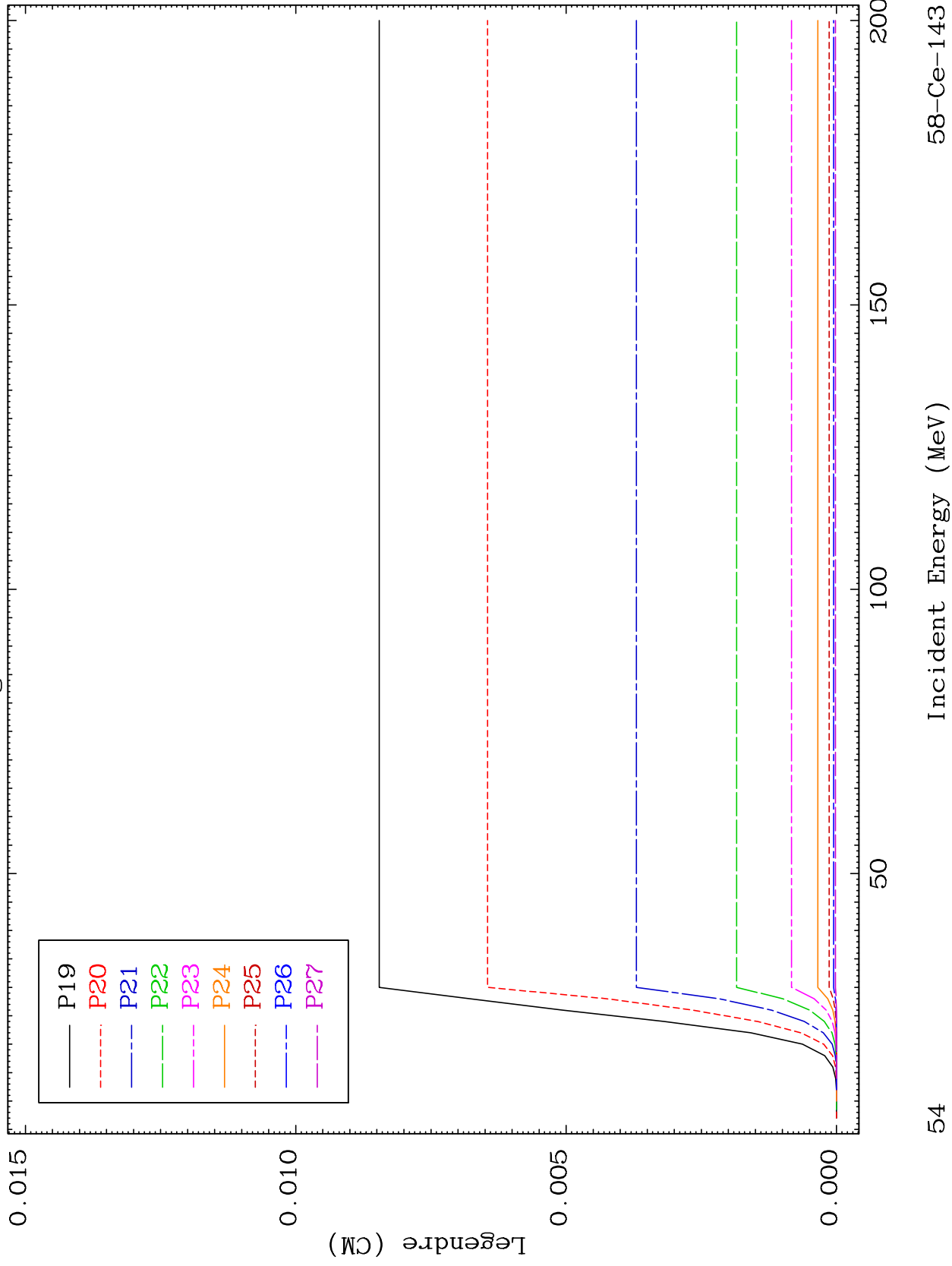




MAT 5846

1.095 MeV (n,n') Level
Legendre Coefficients

58-Ce-143



54

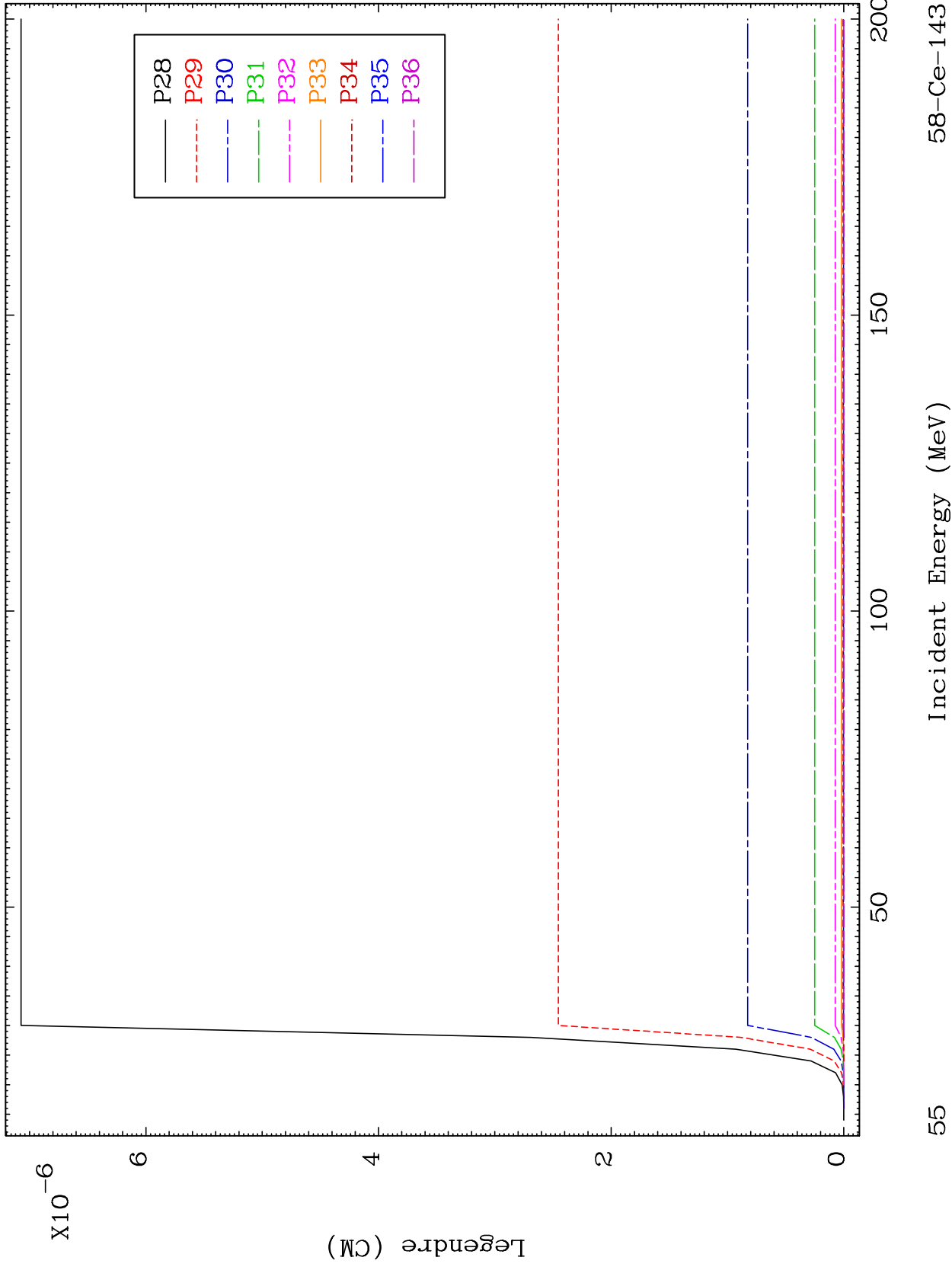
Incident Energy (MeV)

58-Ce-143

MAT 5846

1.095 MeV (n,n') Level
Legendre Coefficients

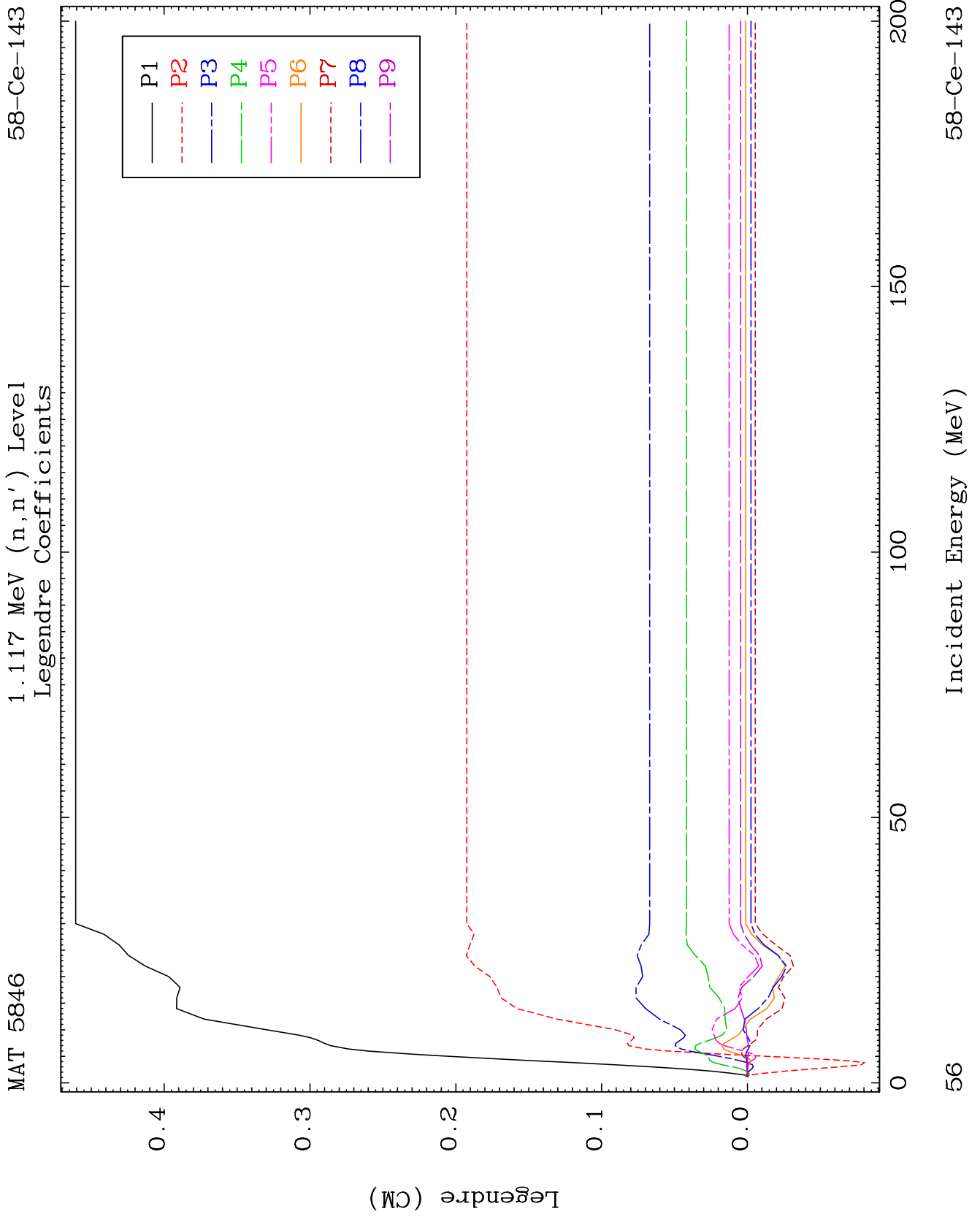
58-Ce-143

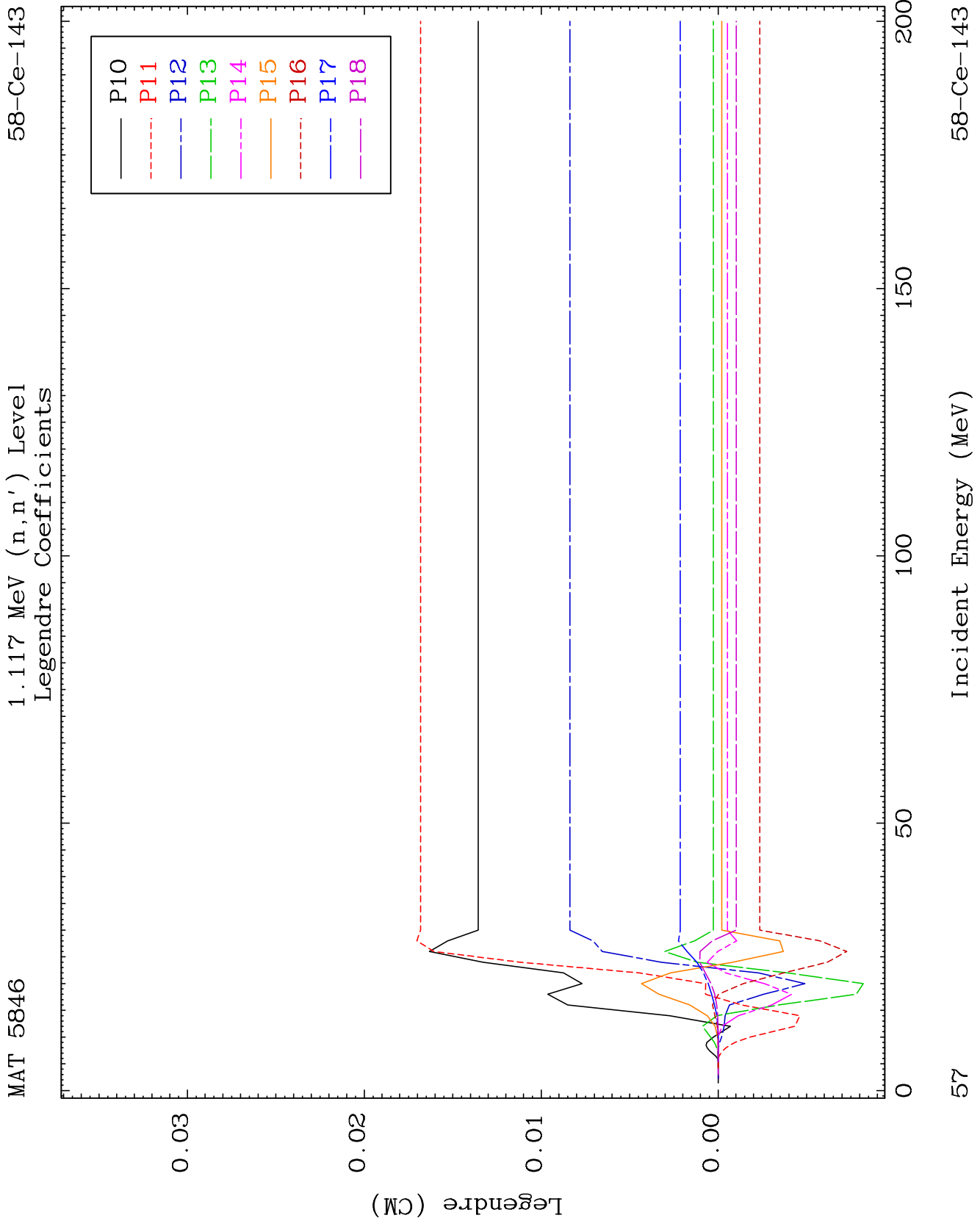


55

Incident Energy (MeV)

58-Ce-143

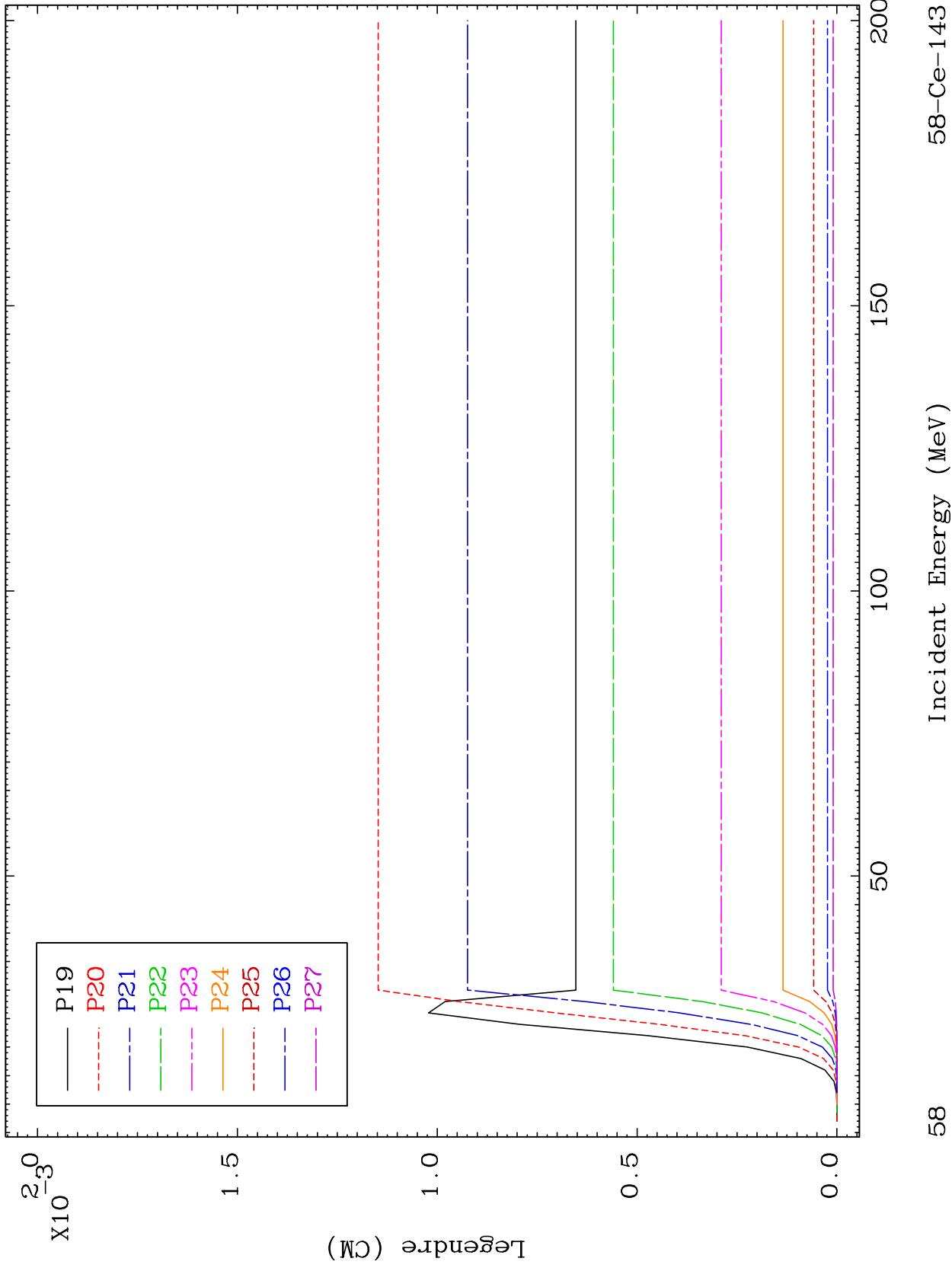




MAT 5846

1.117 MeV (n,n') Level
Legendre Coefficients

58-Ce-143



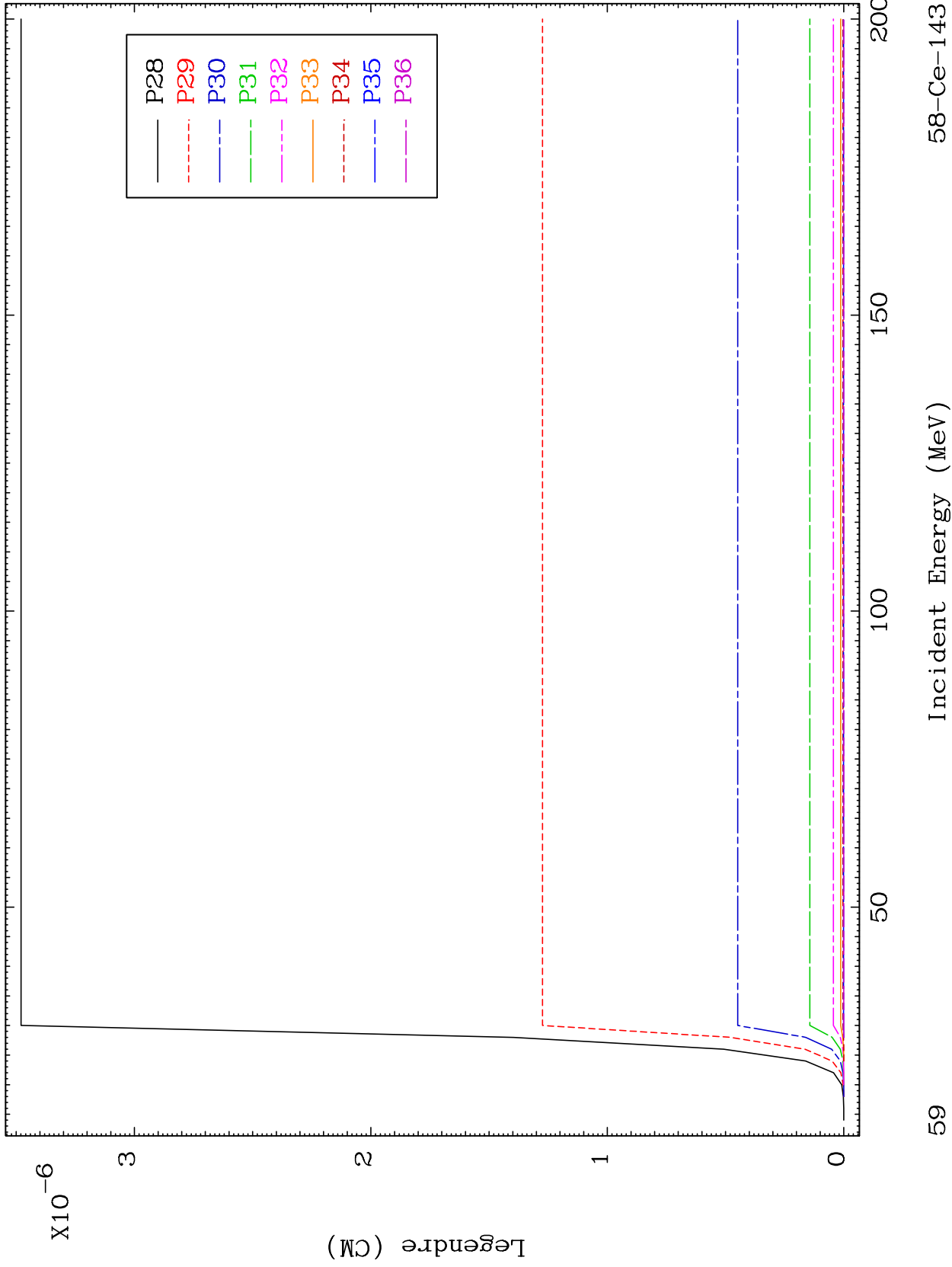
58

58-Ce-143

MAT 5846

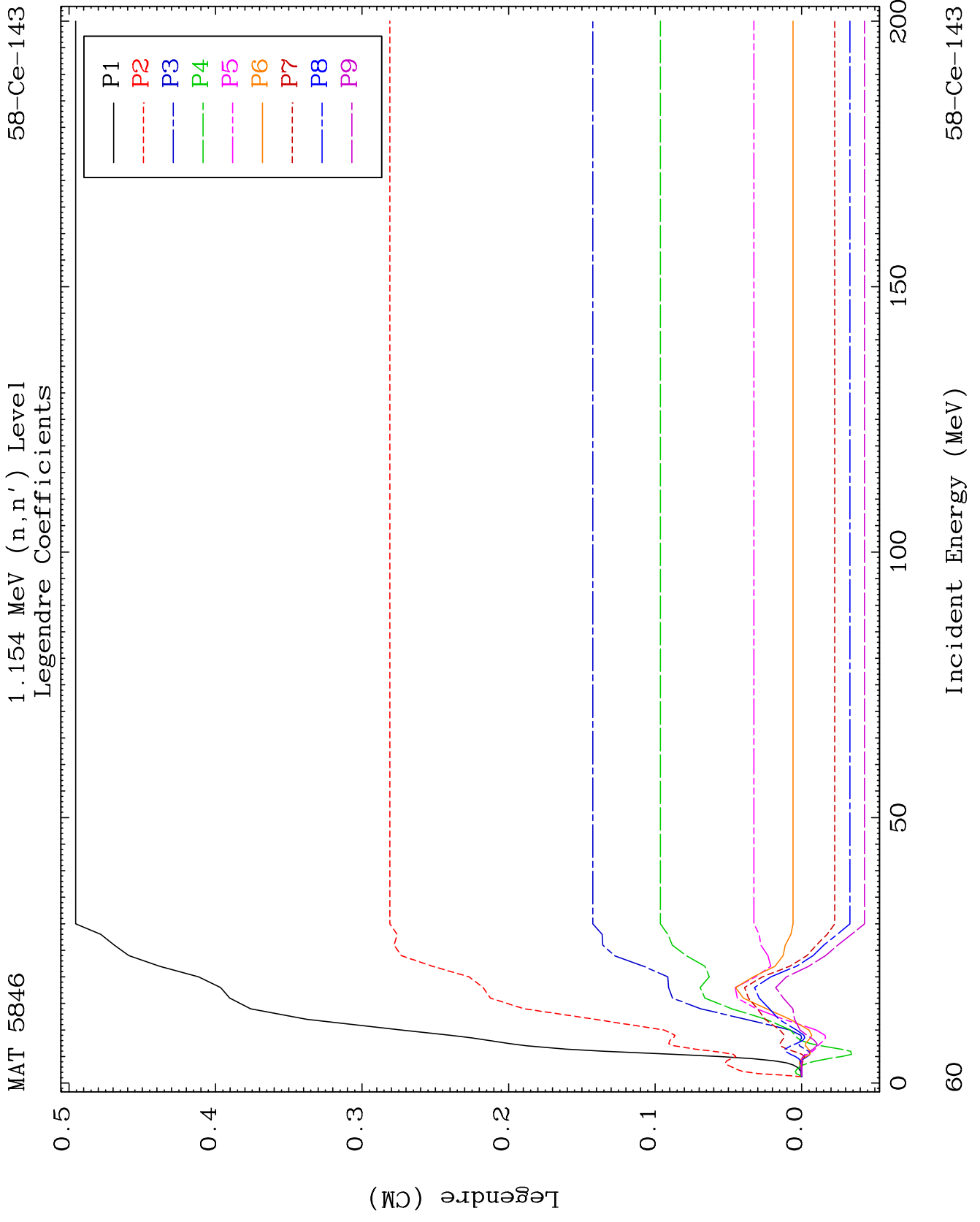
1.117 MeV (n,n') Level
Legendre Coefficients

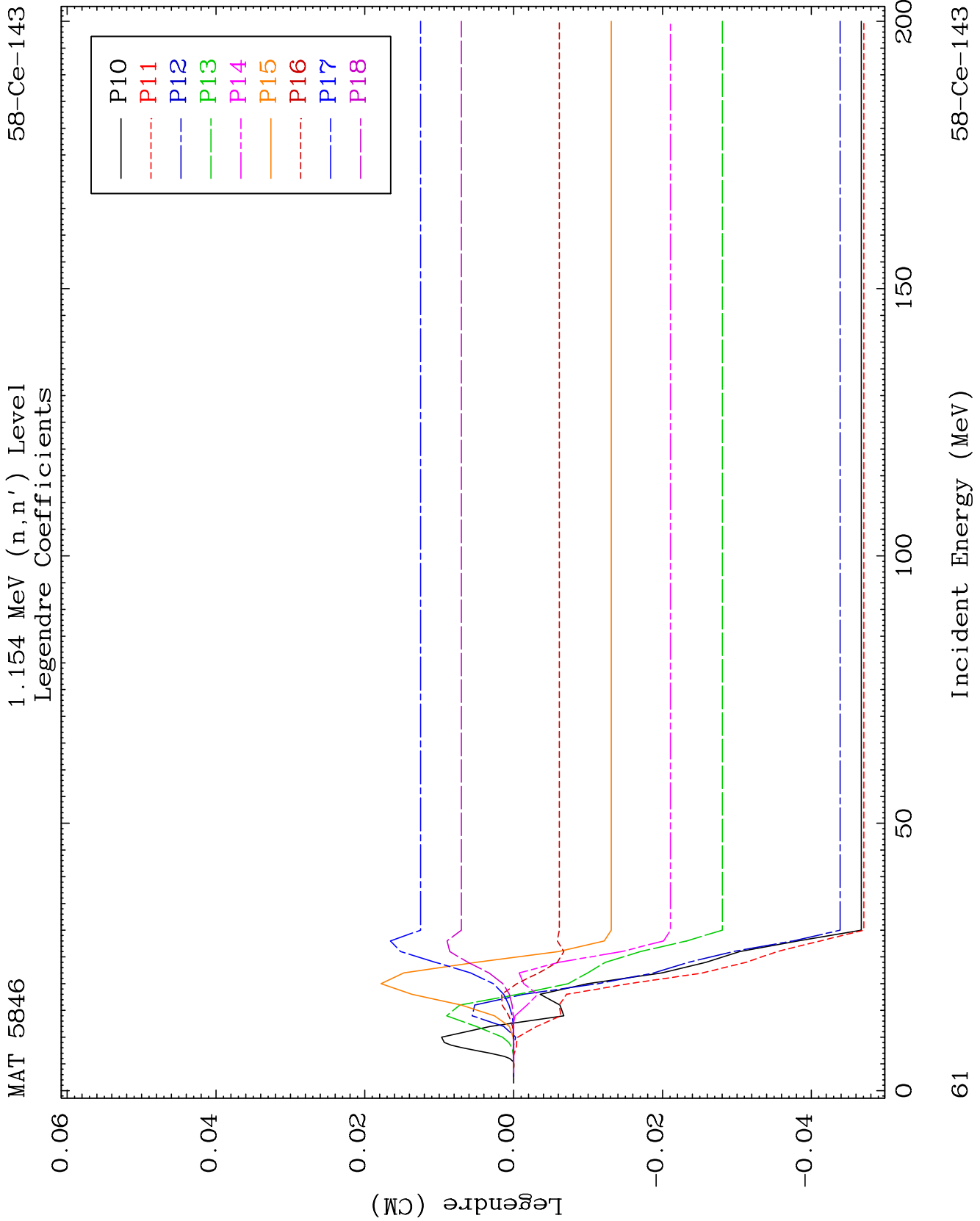
58-Ce-143



59

58-Ce-143

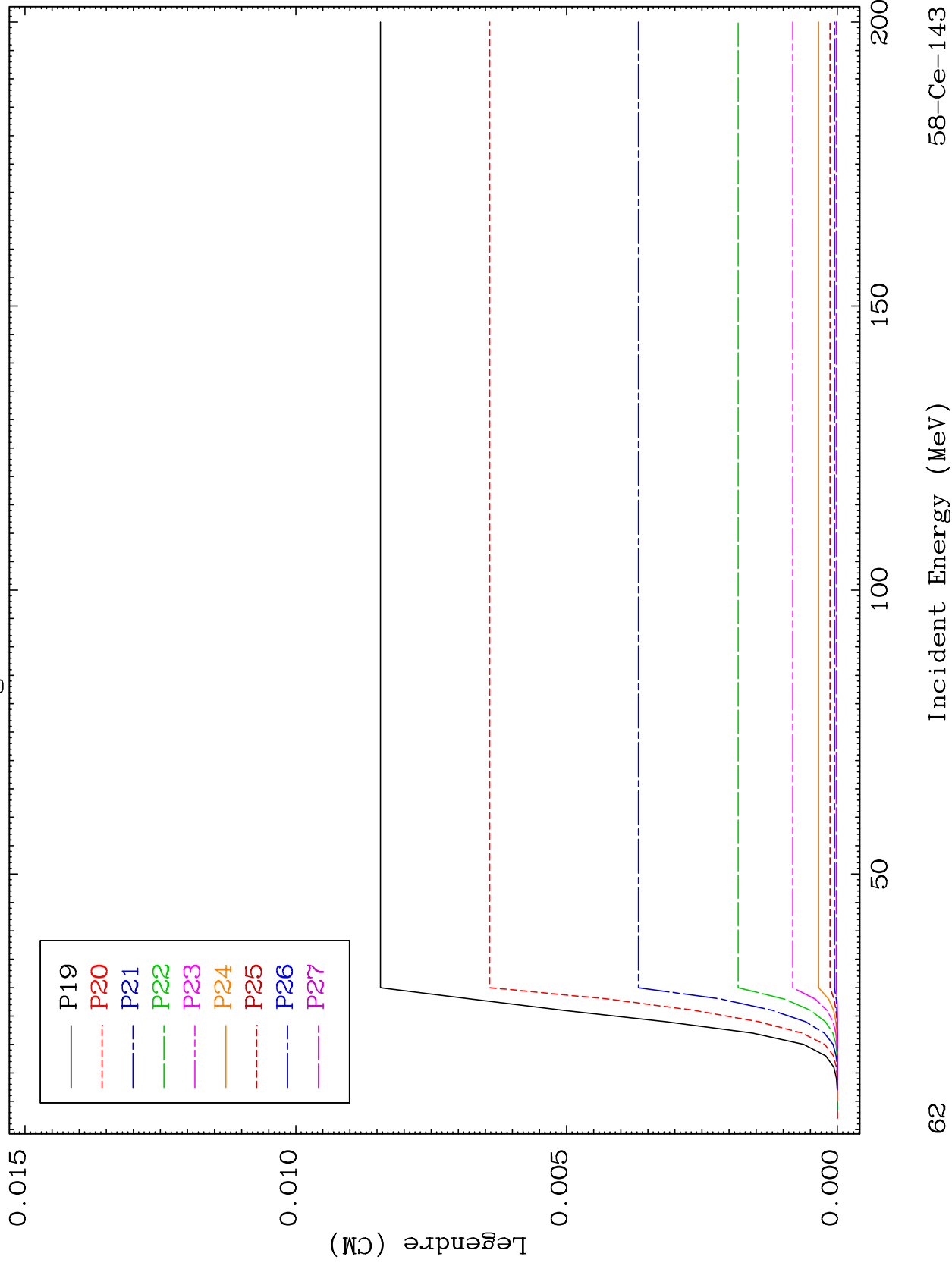




MAT 5846

1.154 MeV (n,n') Level
Legendre Coefficients

58-Ce-143



62

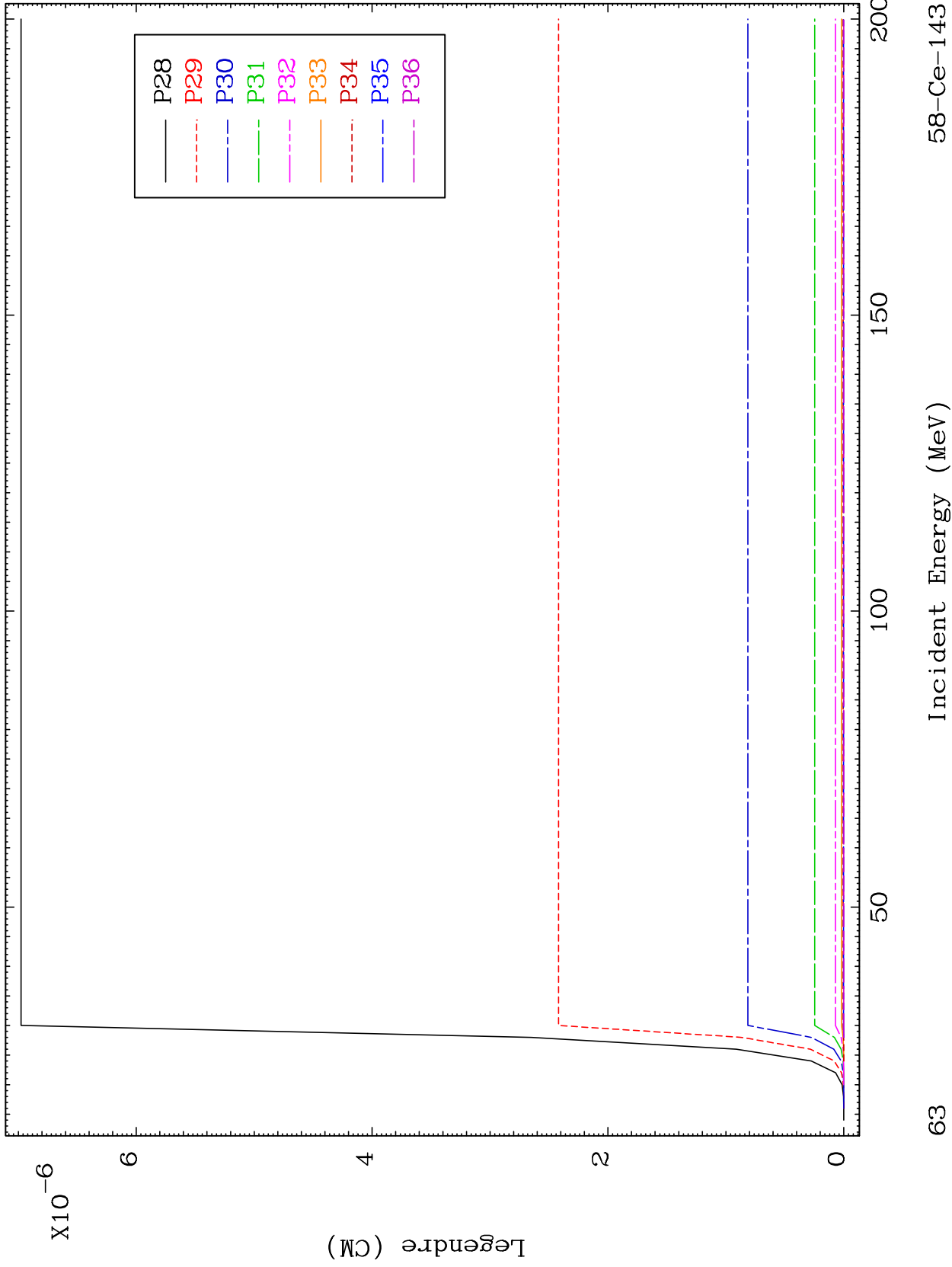
Incident Energy (MeV)

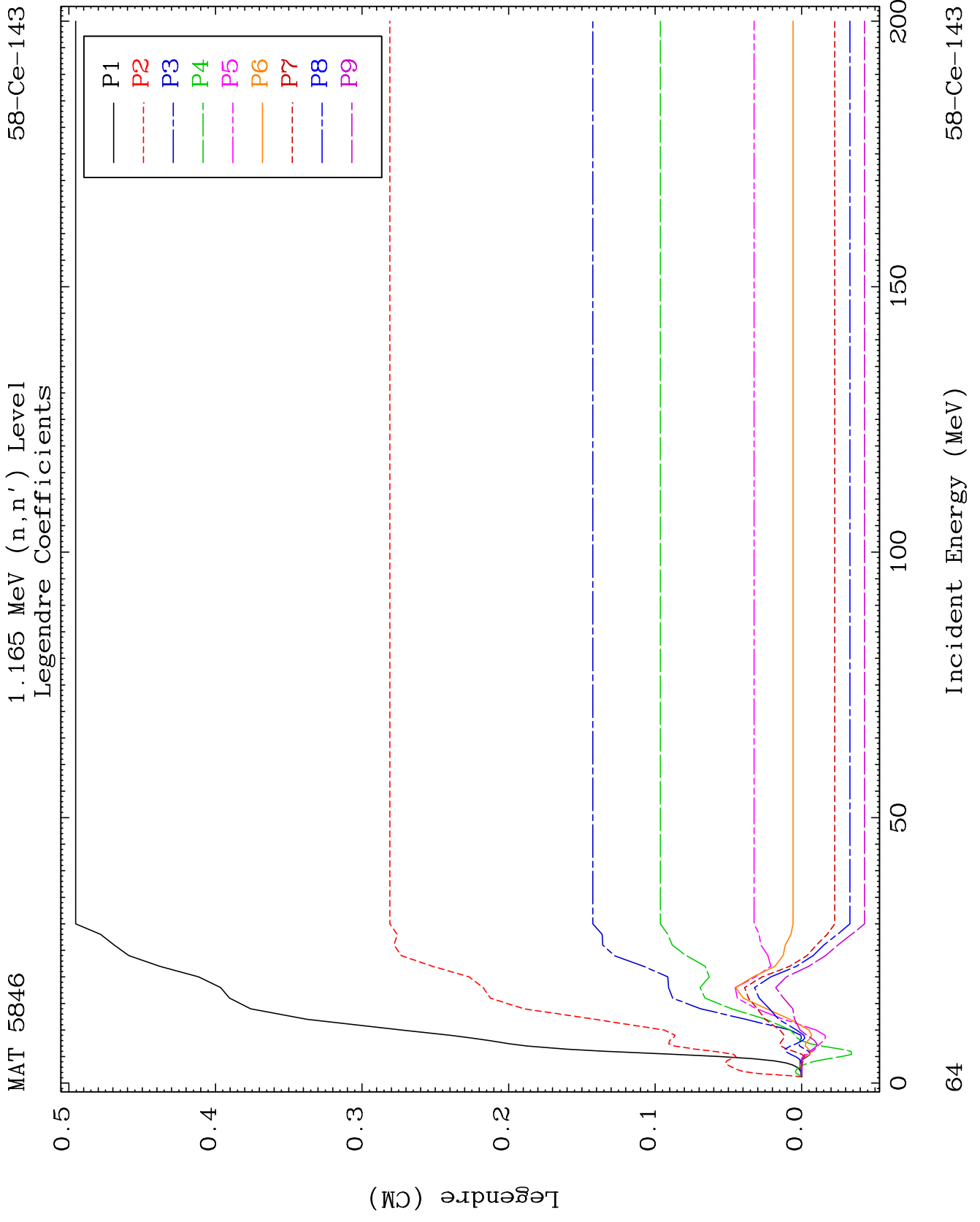
58-Ce-143

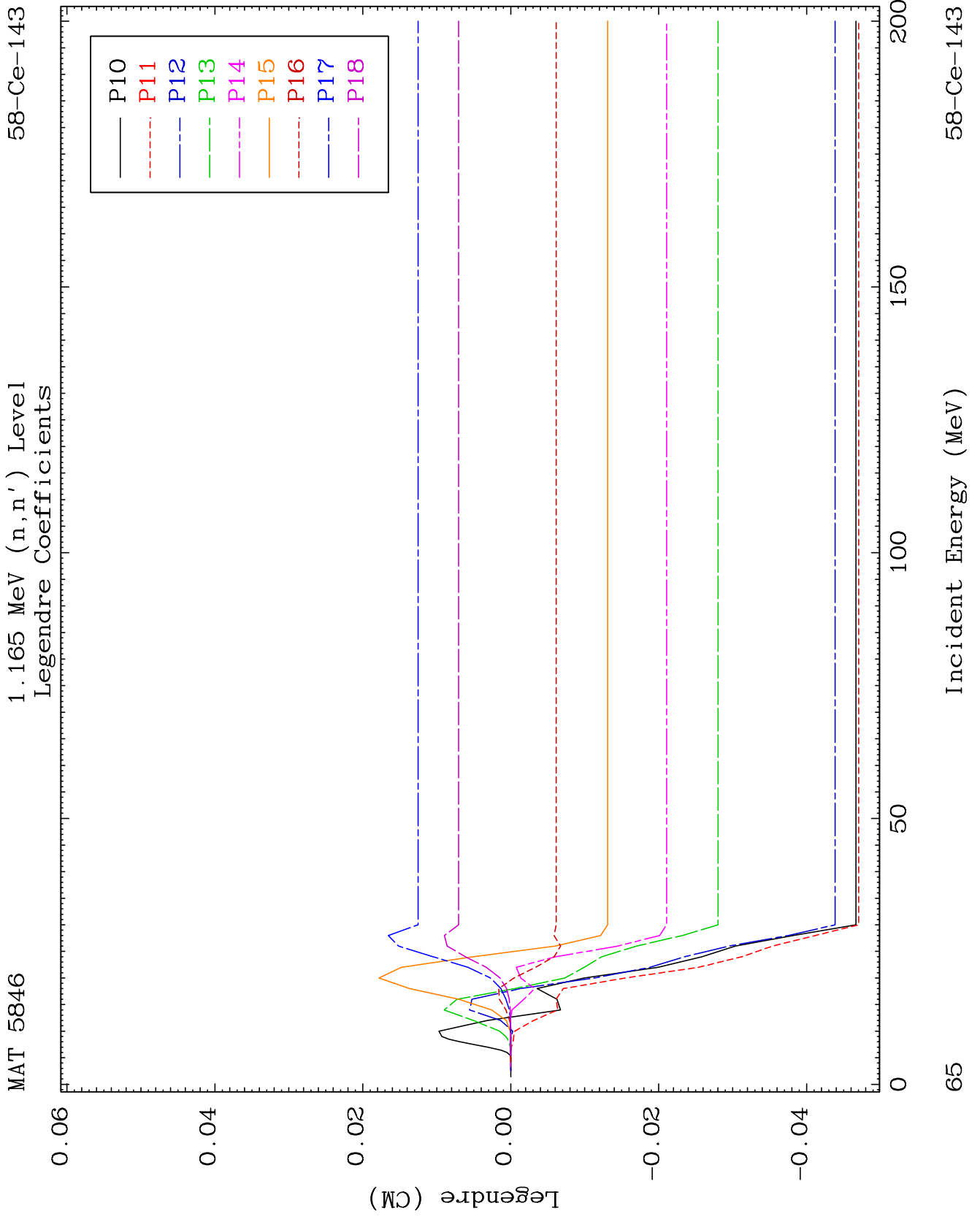
MAT 5846

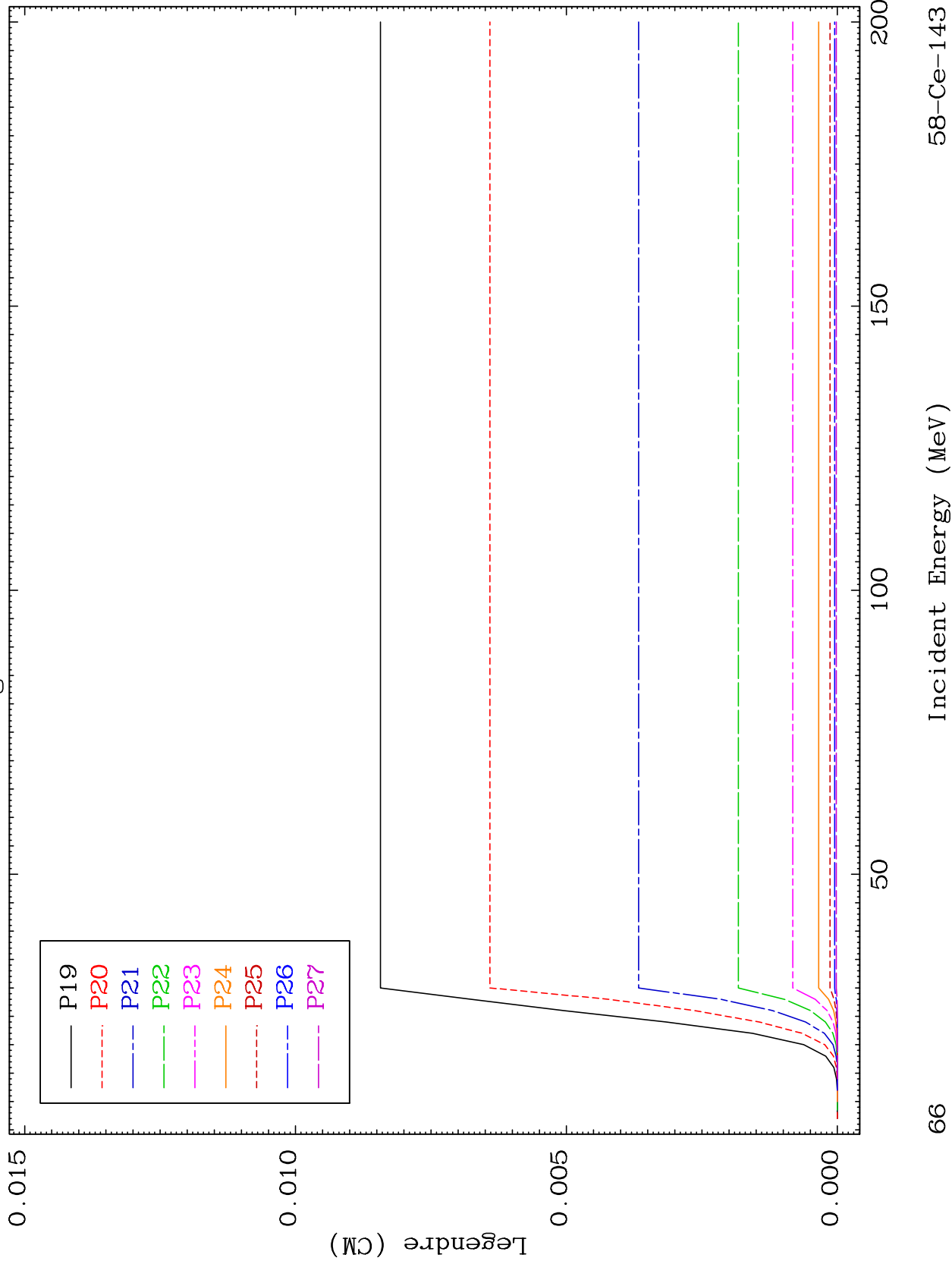
1.154 MeV (n, n') Level
Legendre Coefficients

58-Ce-143





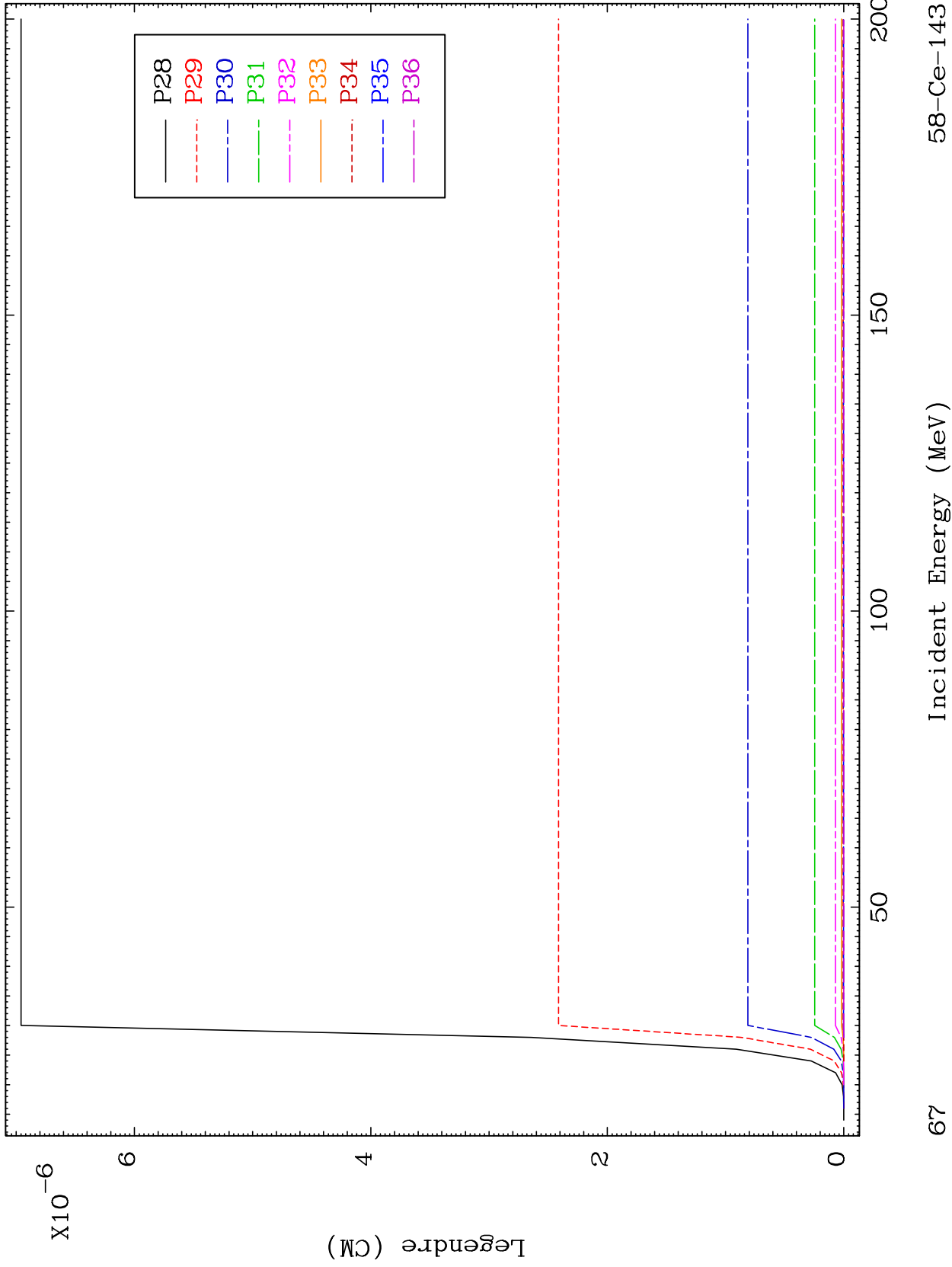


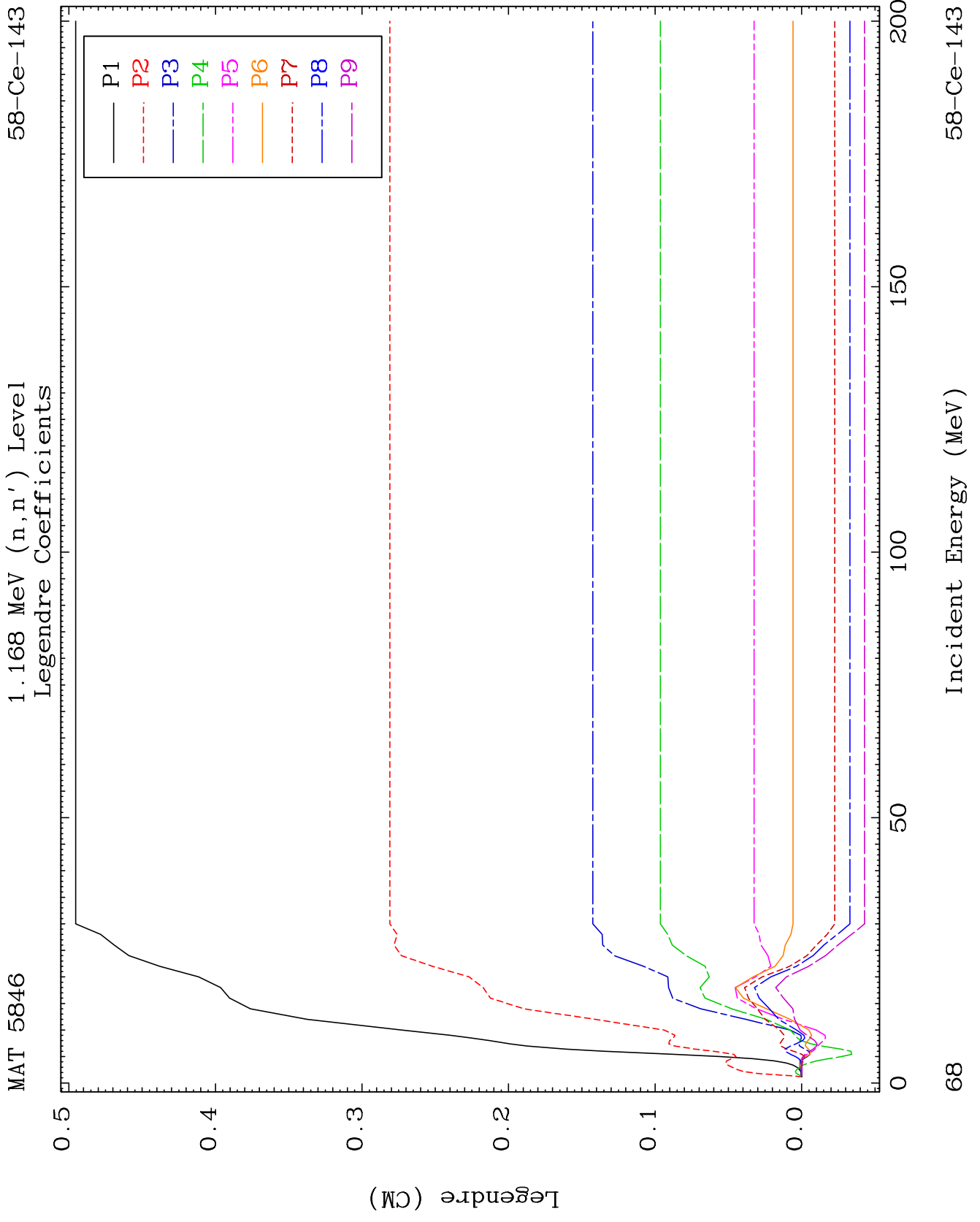


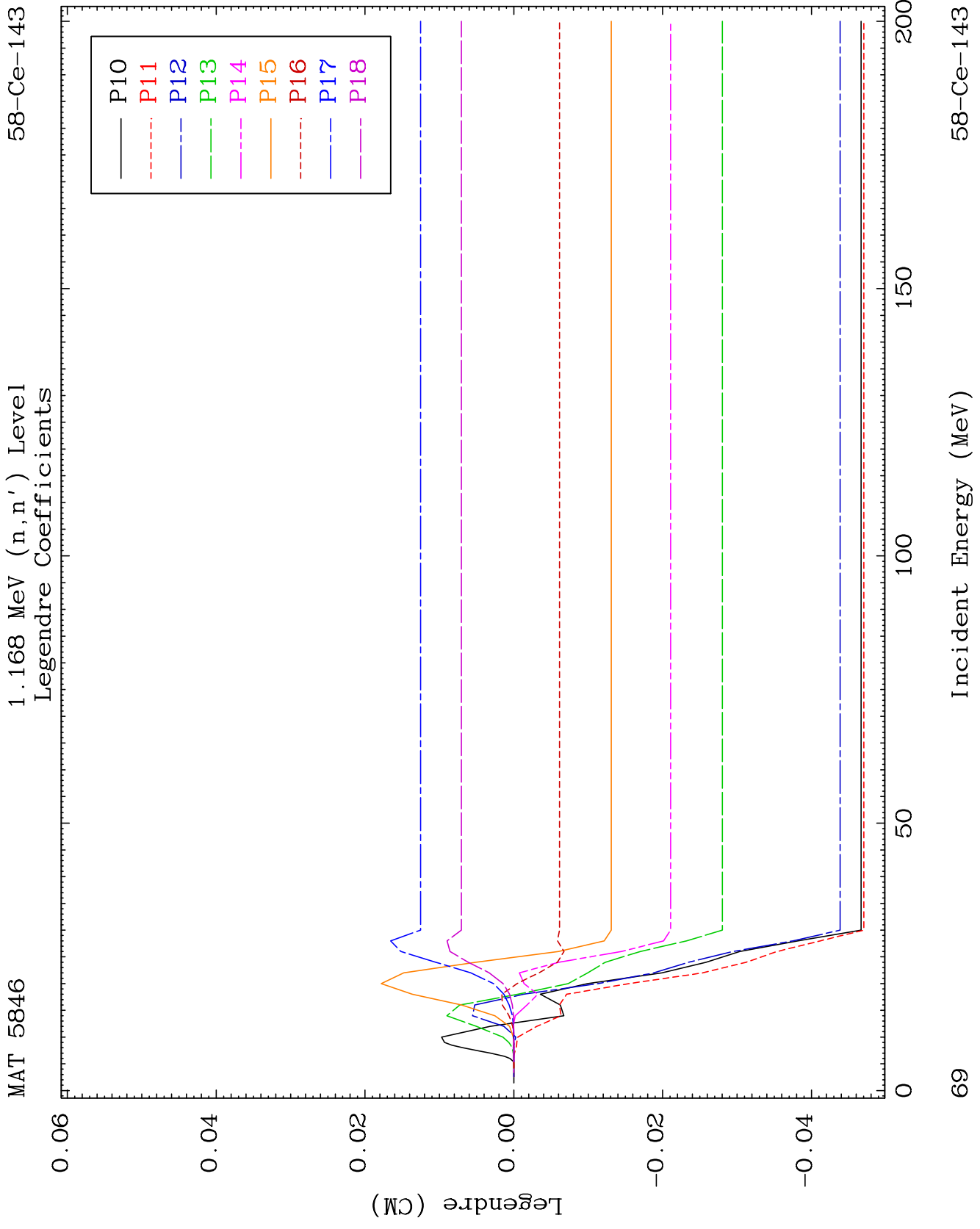
MAT 5846

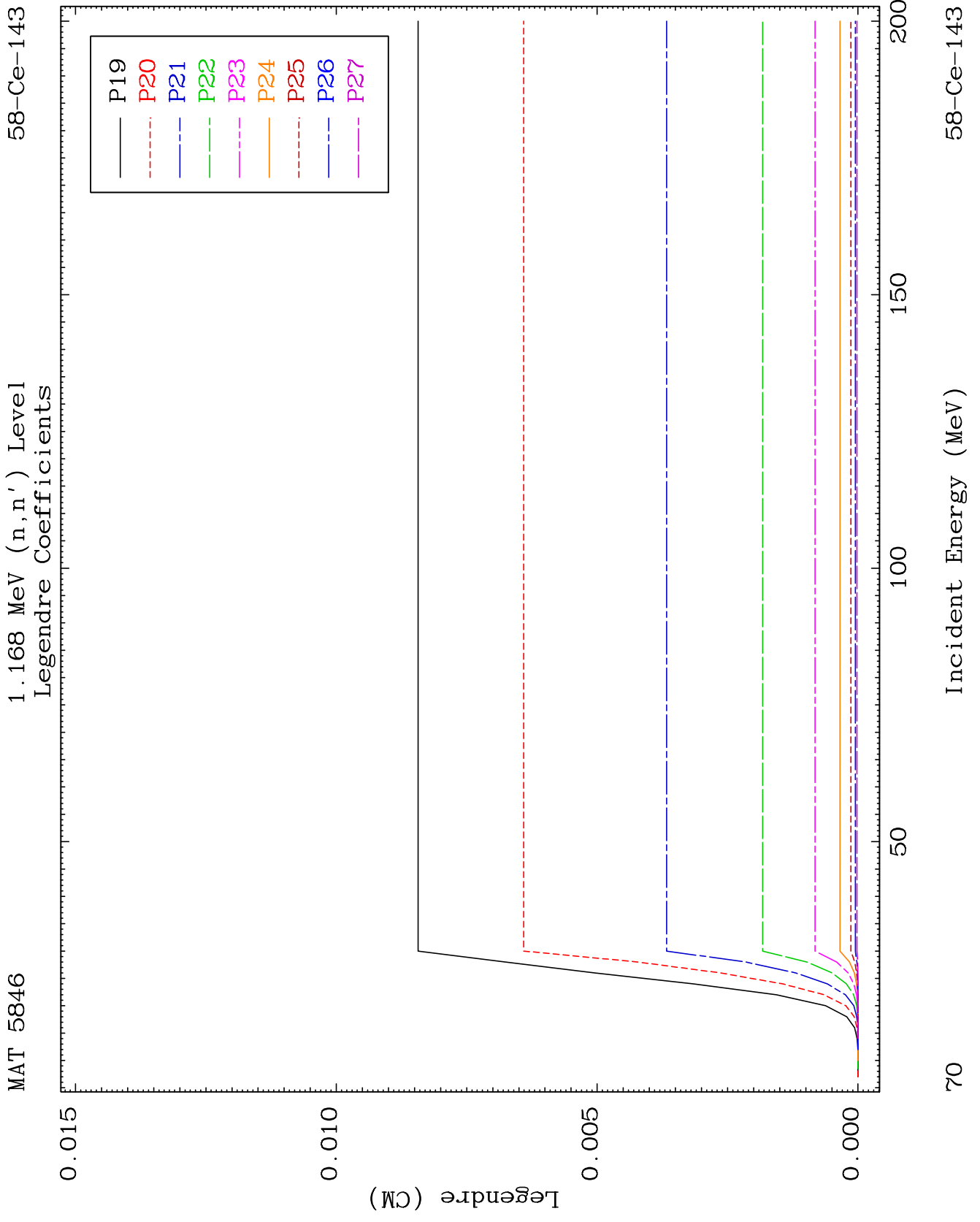
1.165 MeV (n,n') Level
Legendre Coefficients

58-Ce-143





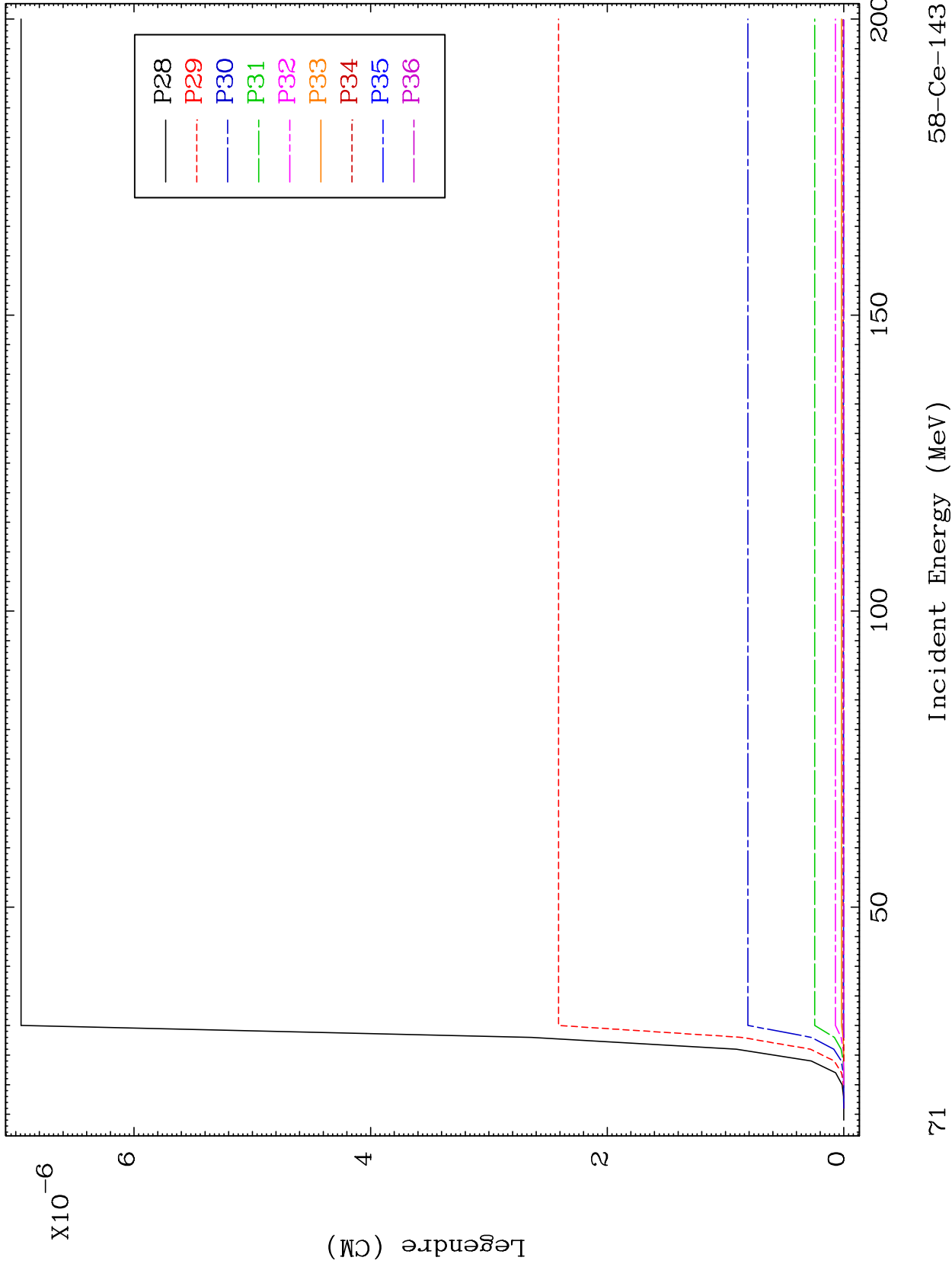


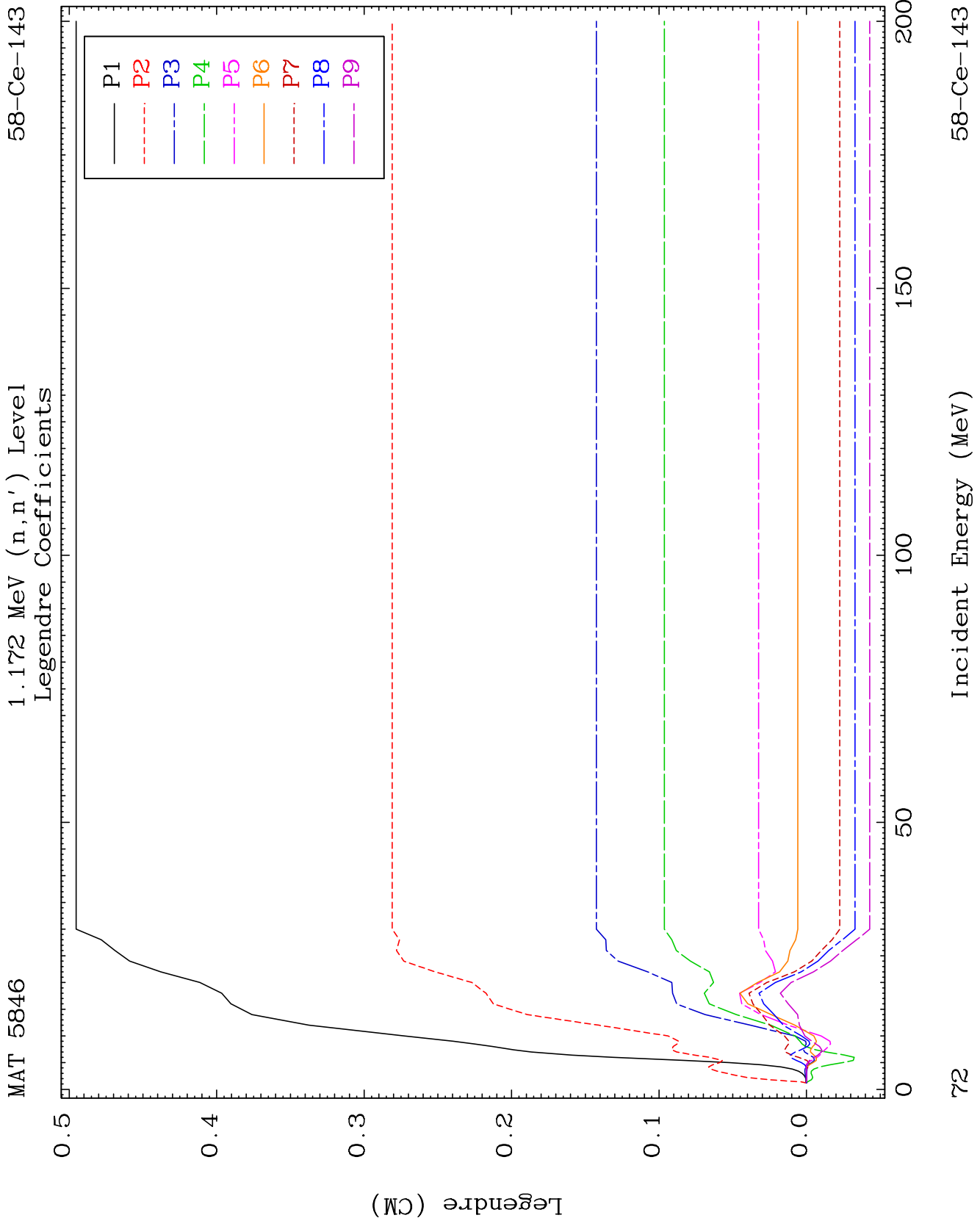


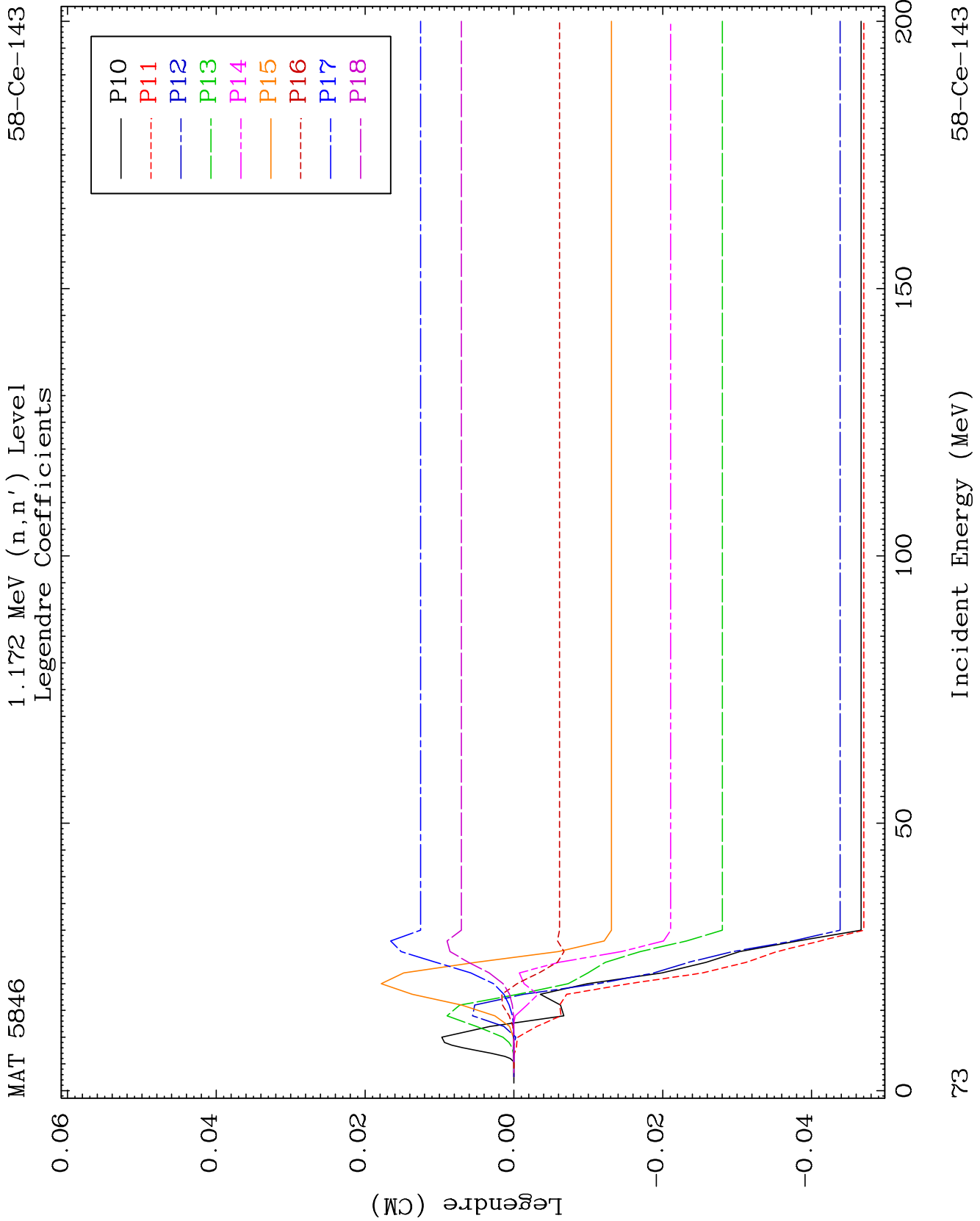
MAT 5846

1.168 MeV (n,n') Level
Legendre Coefficients

58-Ce-143



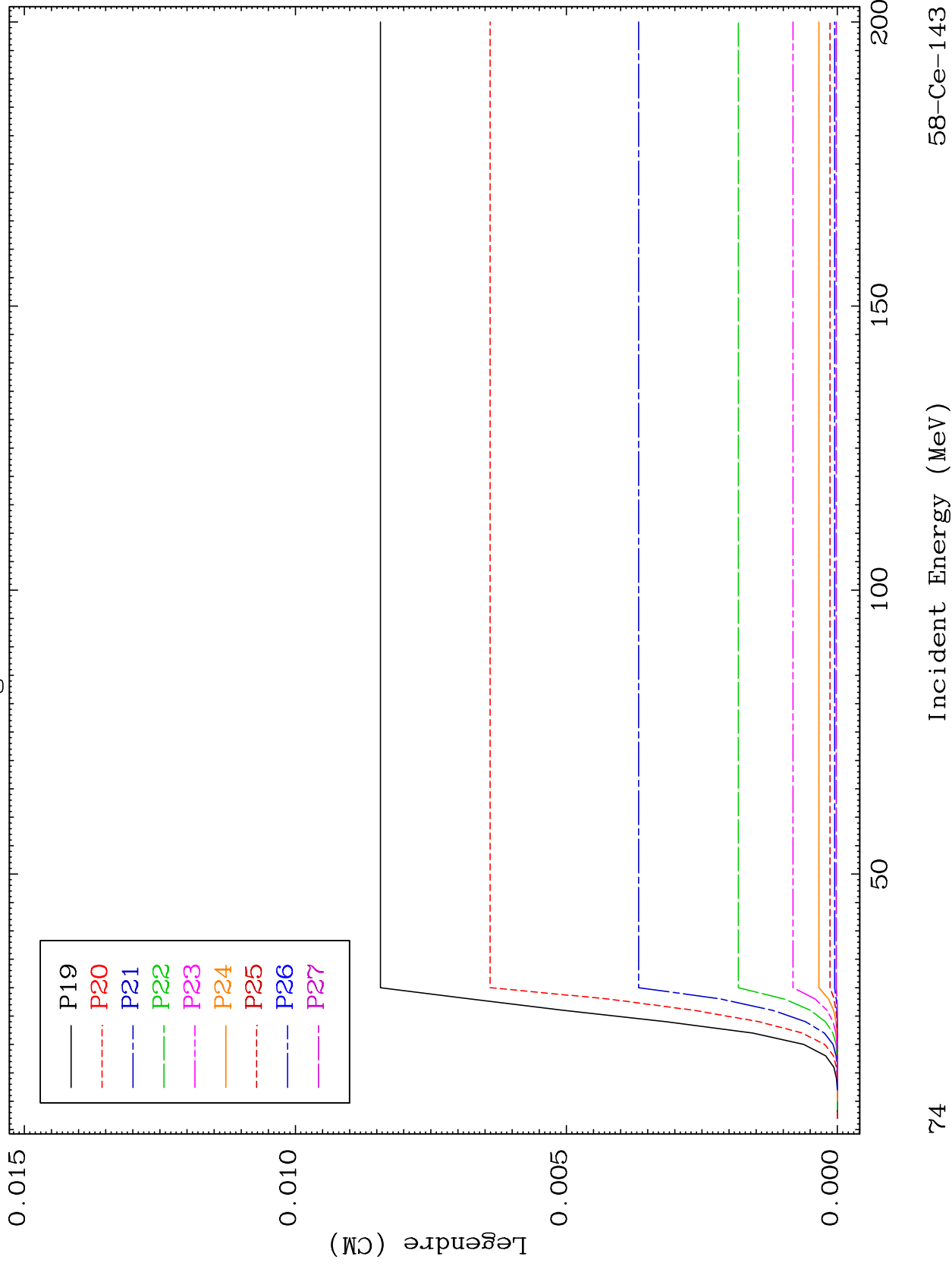




MAT 5846

1.172 MeV (n,n') Level
Legendre Coefficients

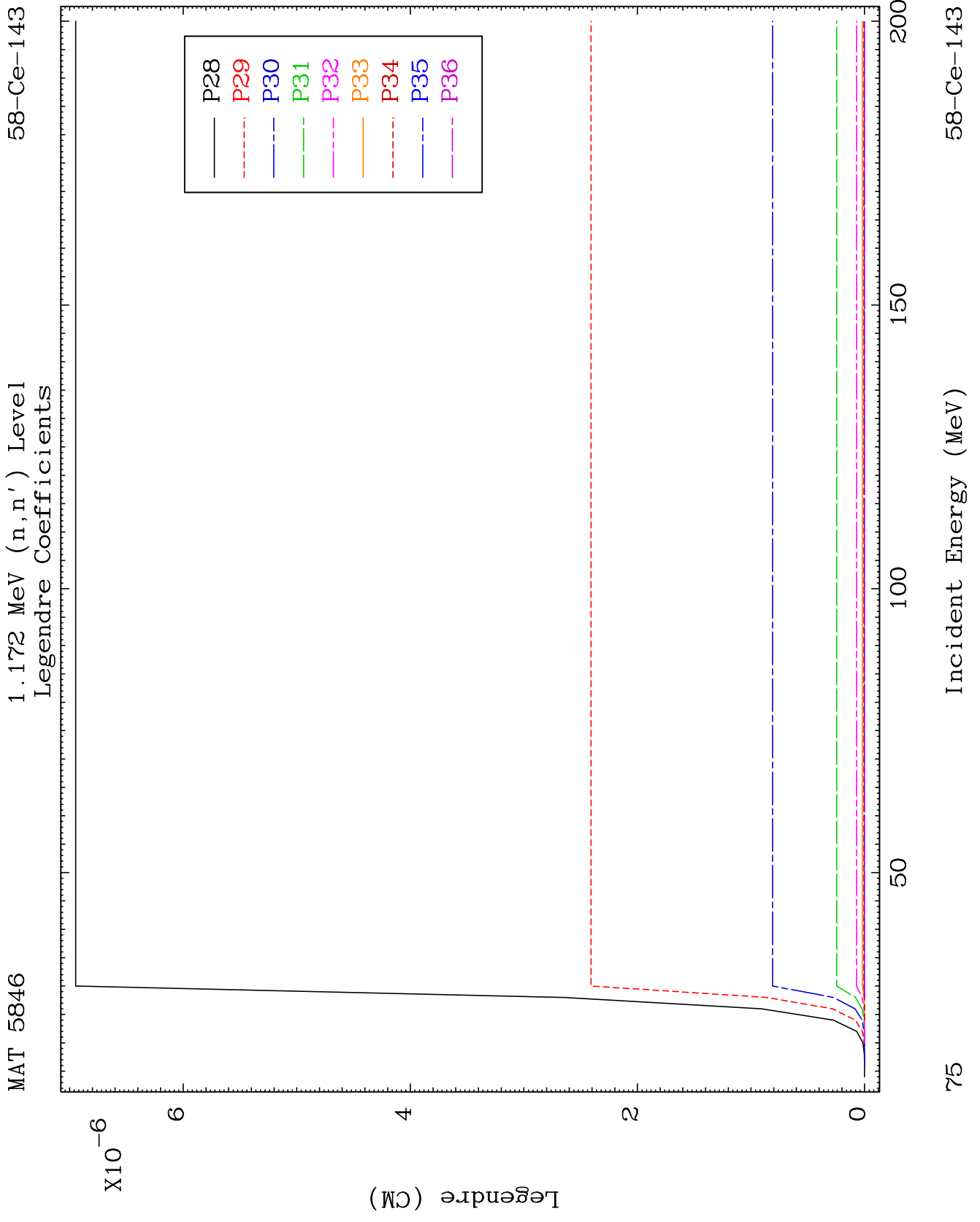
58-Ce-143



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Incident Energy (MeV)

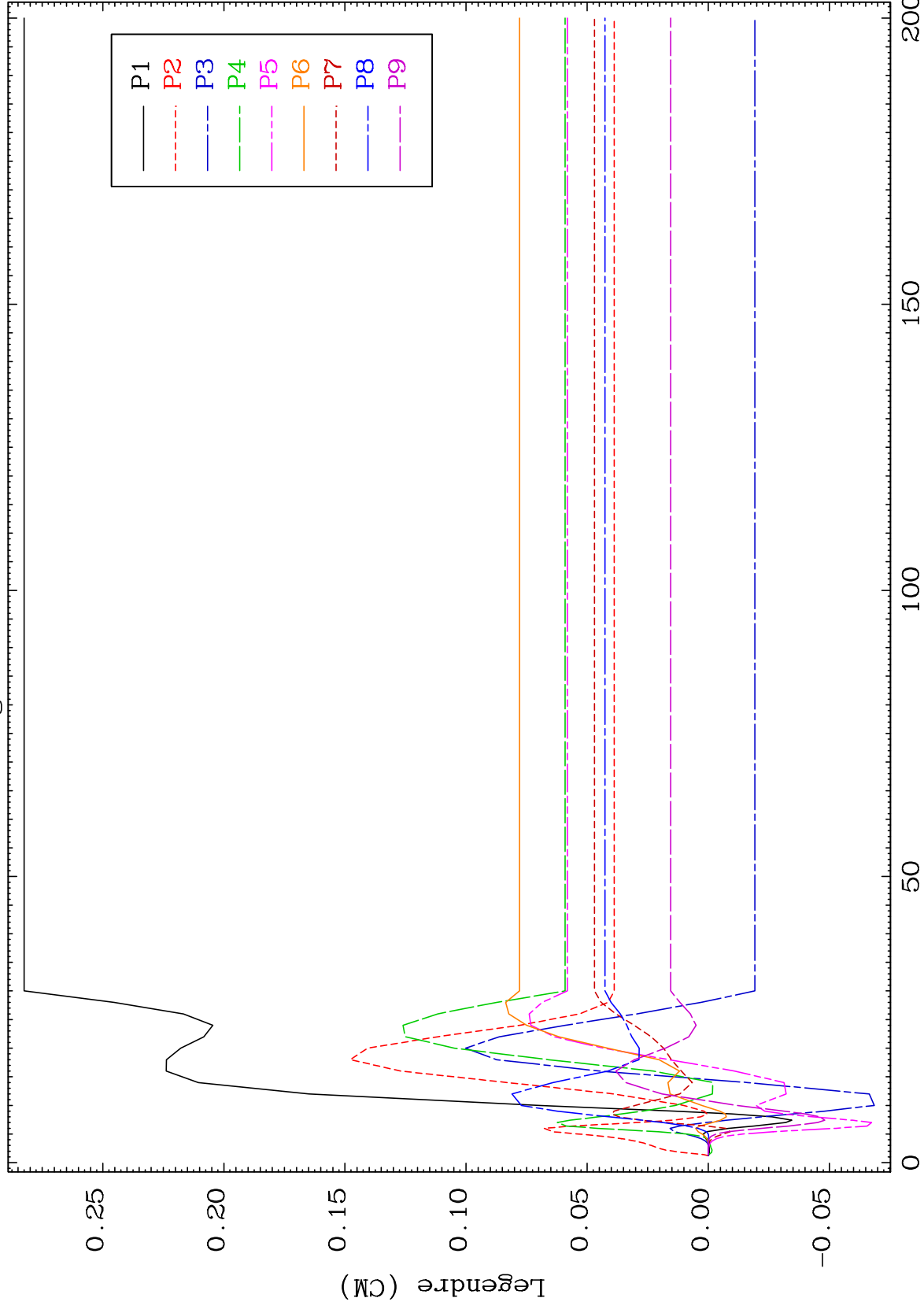
58-Ce-143



MAT 5846

1.195 MeV (n,n') Level
Legendre Coefficients

58-Ce-143



76

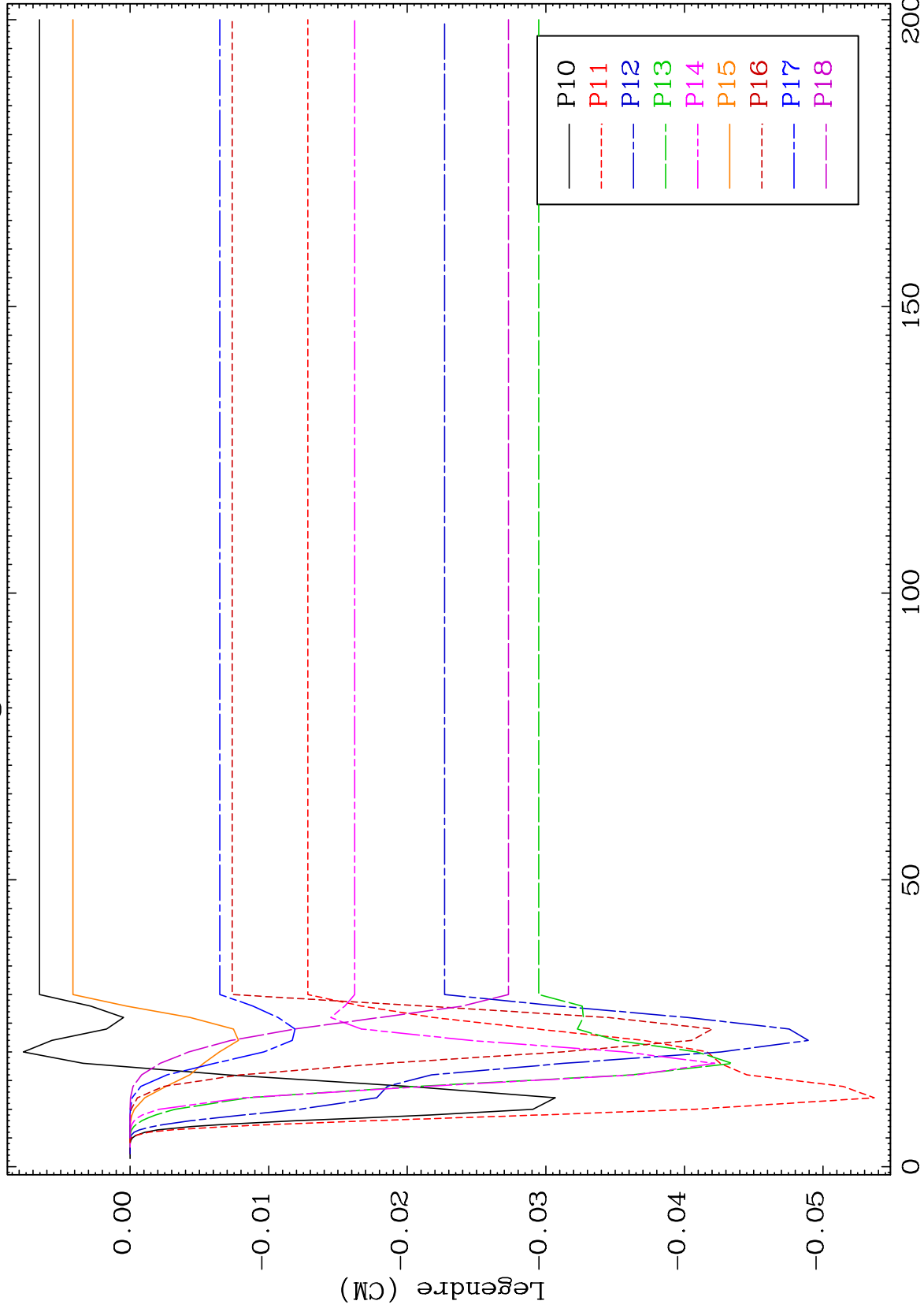
Incident Energy (MeV)

58-Ce-143

MAT 5846

1.195 MeV (n,n') Level
Legendre Coefficients

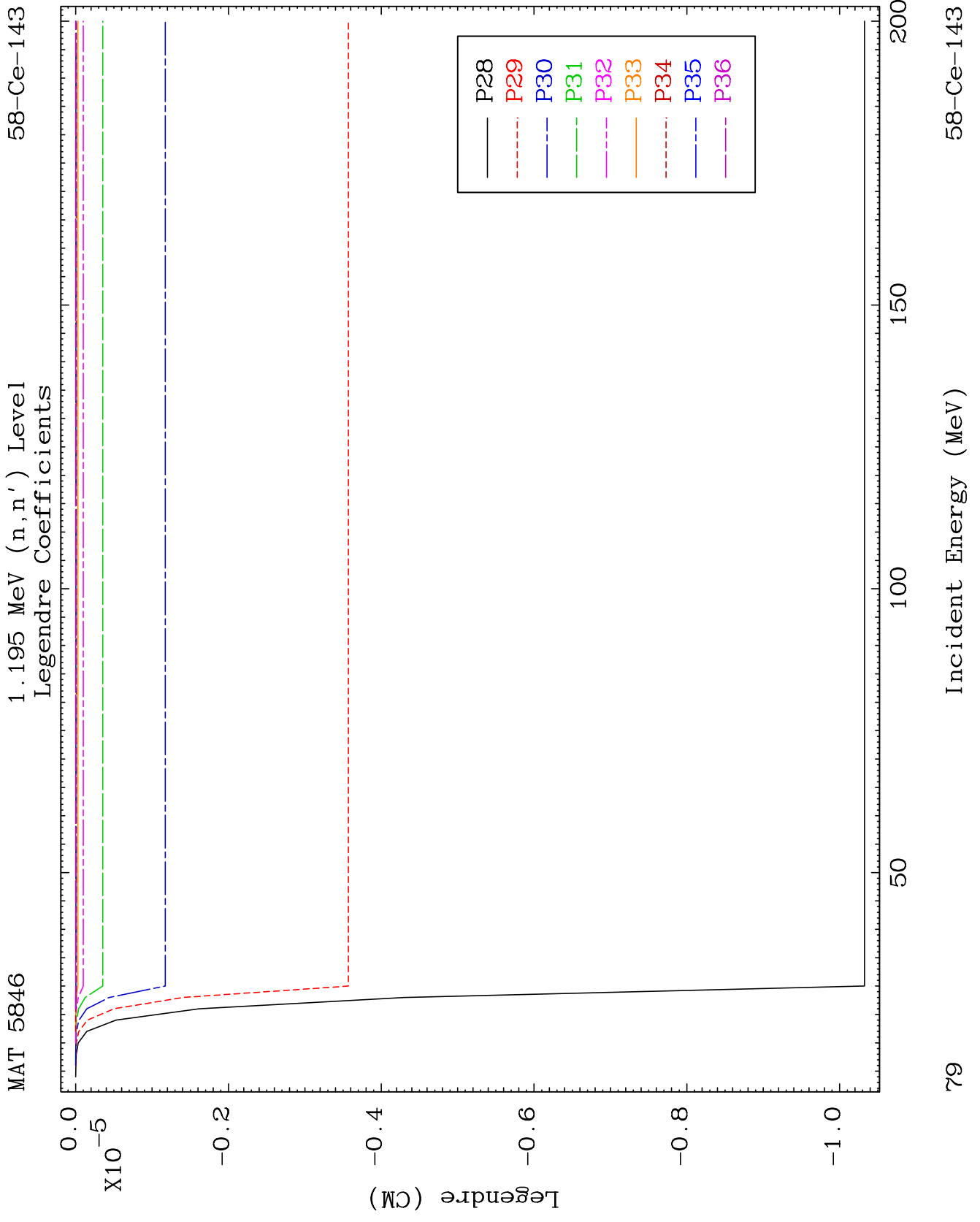
58-Ce-143



77

Incident Energy (MeV)

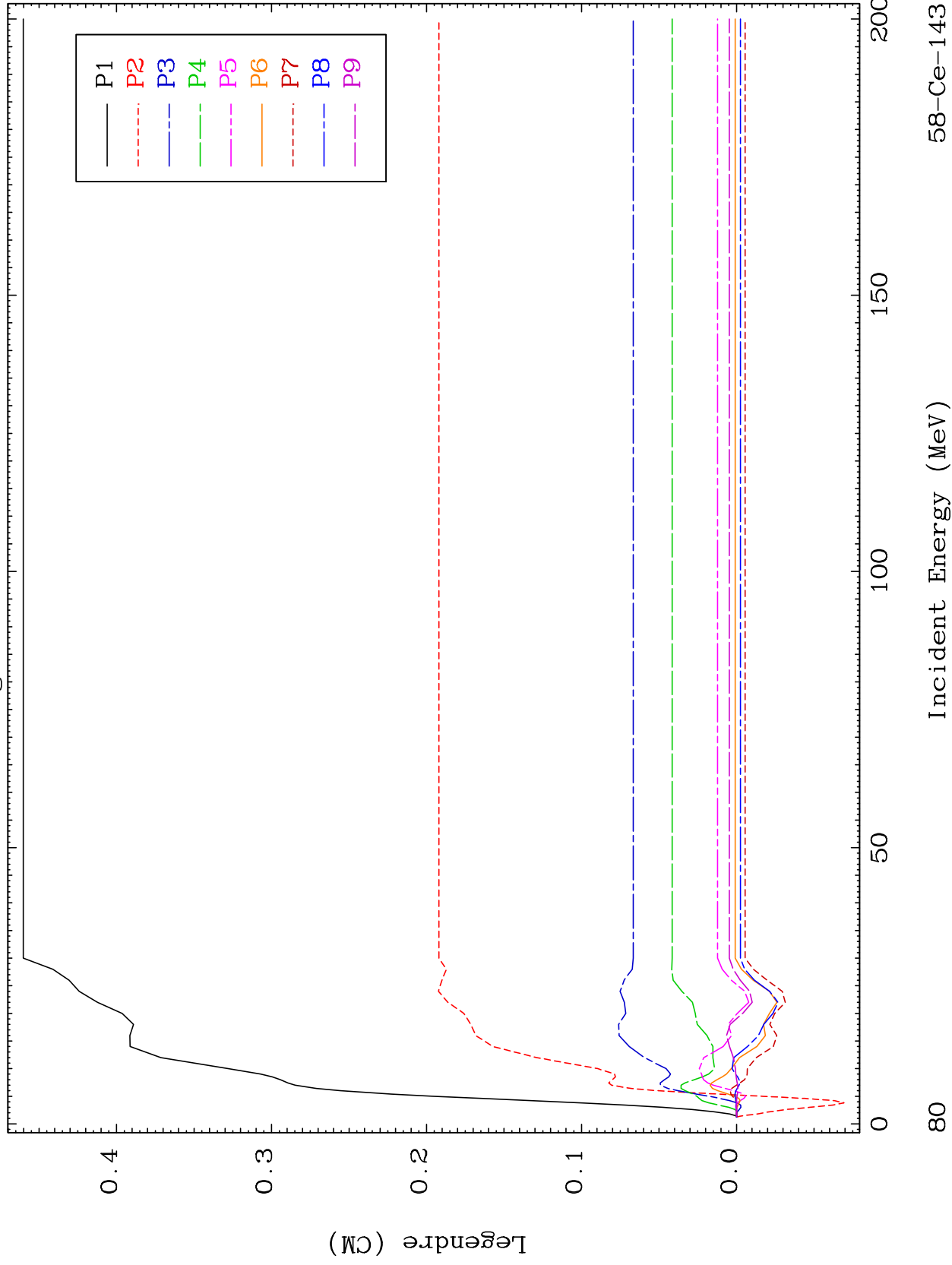
58-Ce-143



MAT 5846

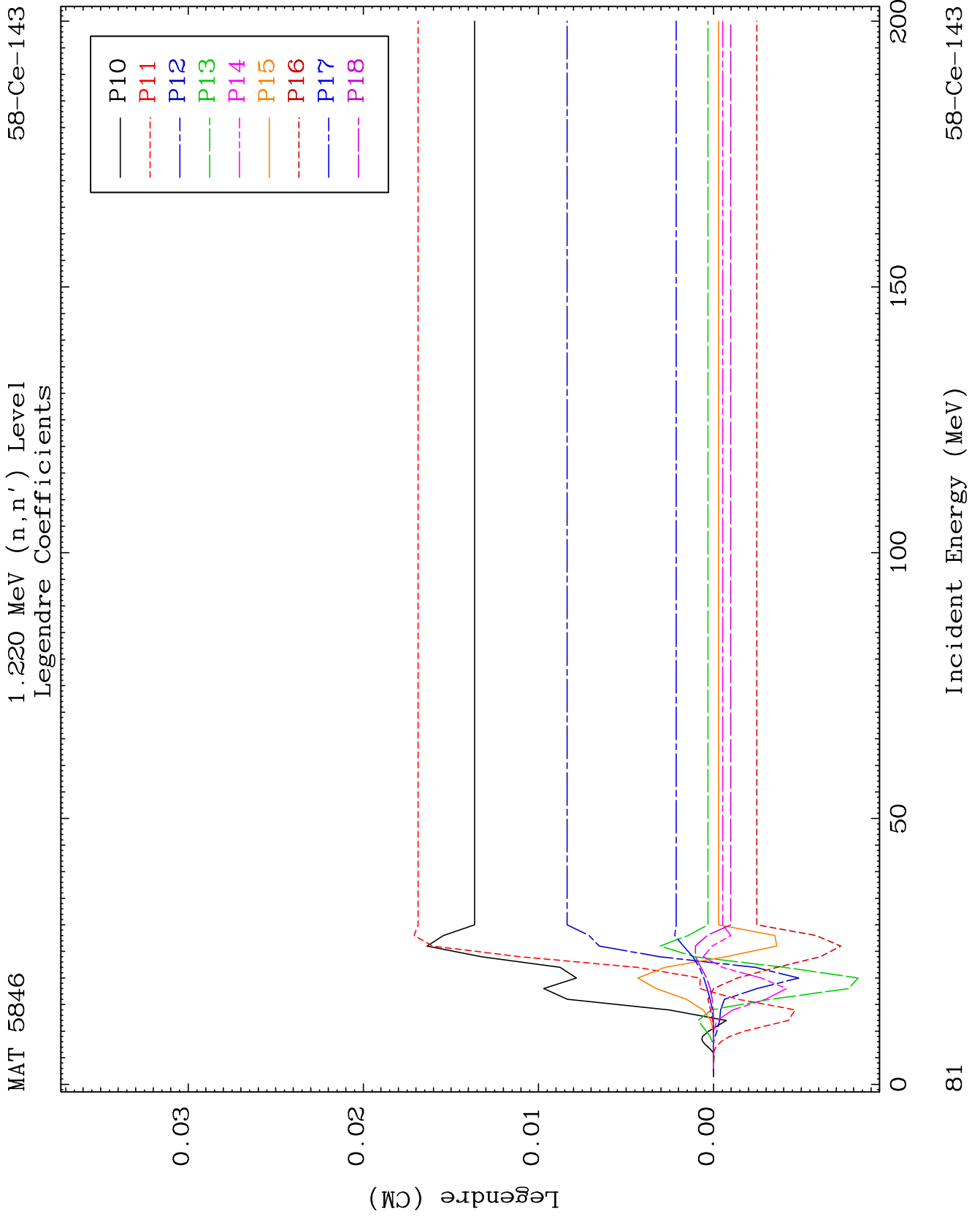
1.220 MeV (n,n') Level
Legendre Coefficients

58-Ce-143



58-Ce-143

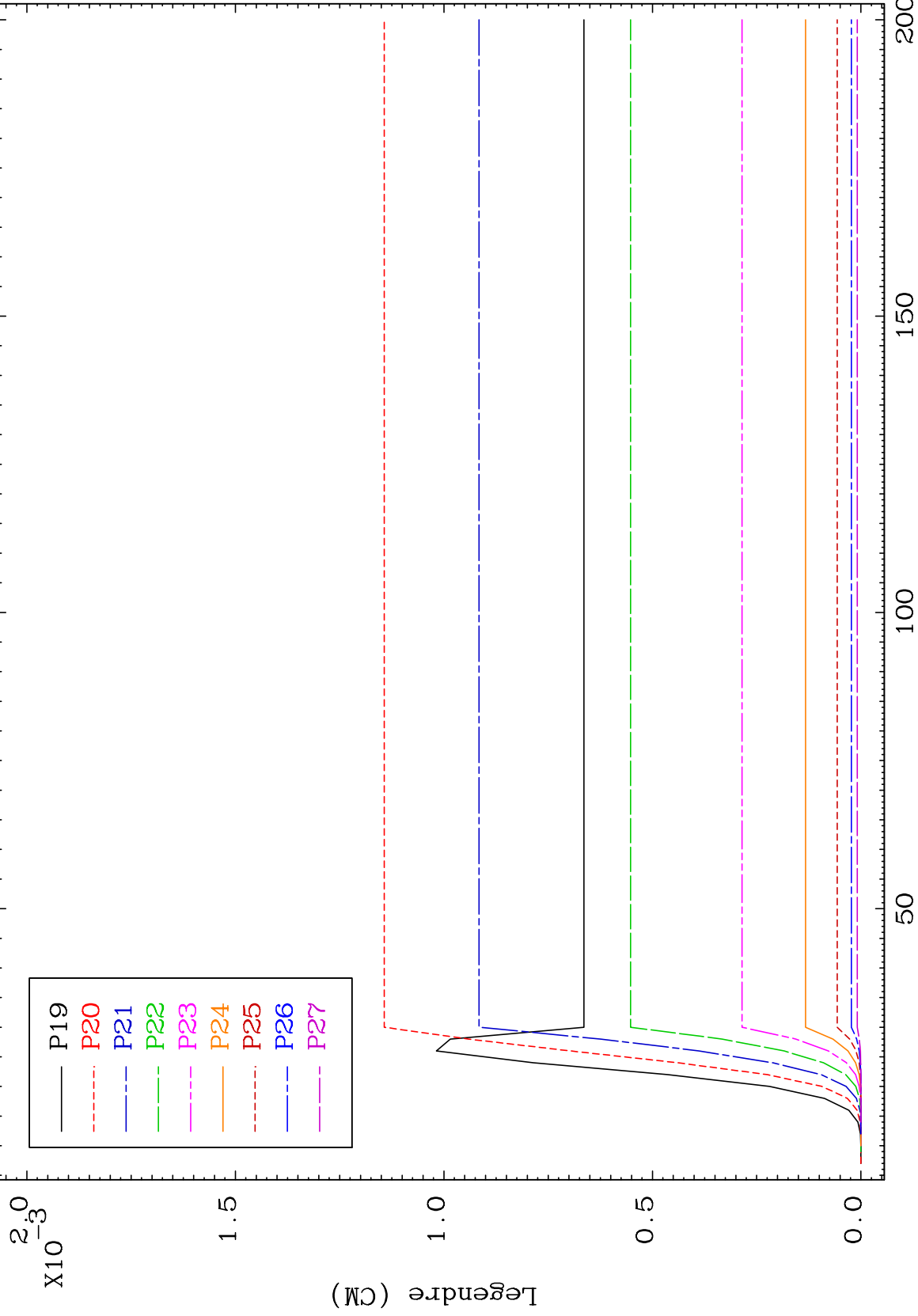
Incident Energy (MeV)



MAT 5846

1.220 MeV (n,n') Level
Legendre Coefficients

58-Ce-143



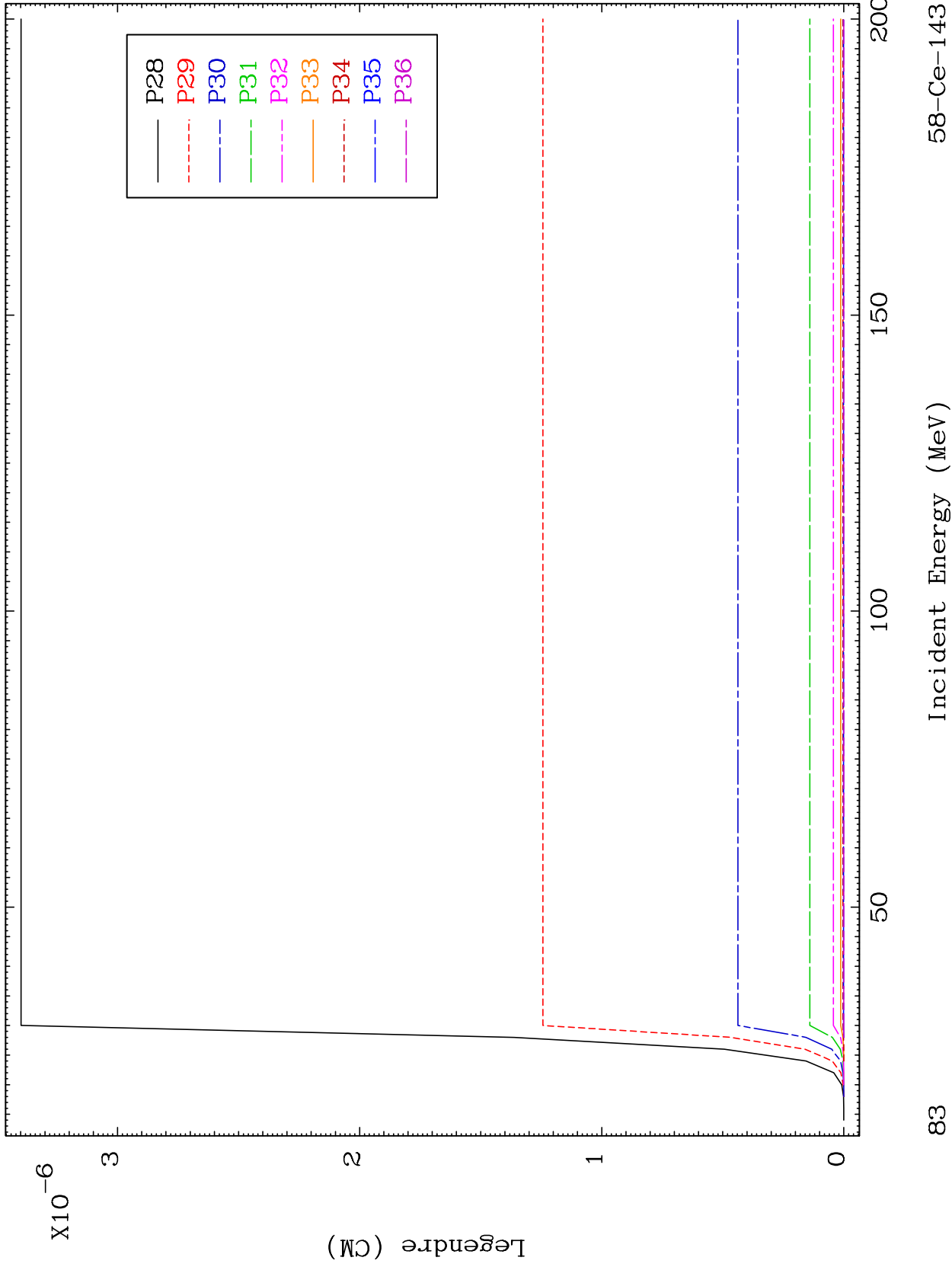
82

58-Ce-143

MAT 5846

1.220 MeV (n,n') Level
Legendre Coefficients

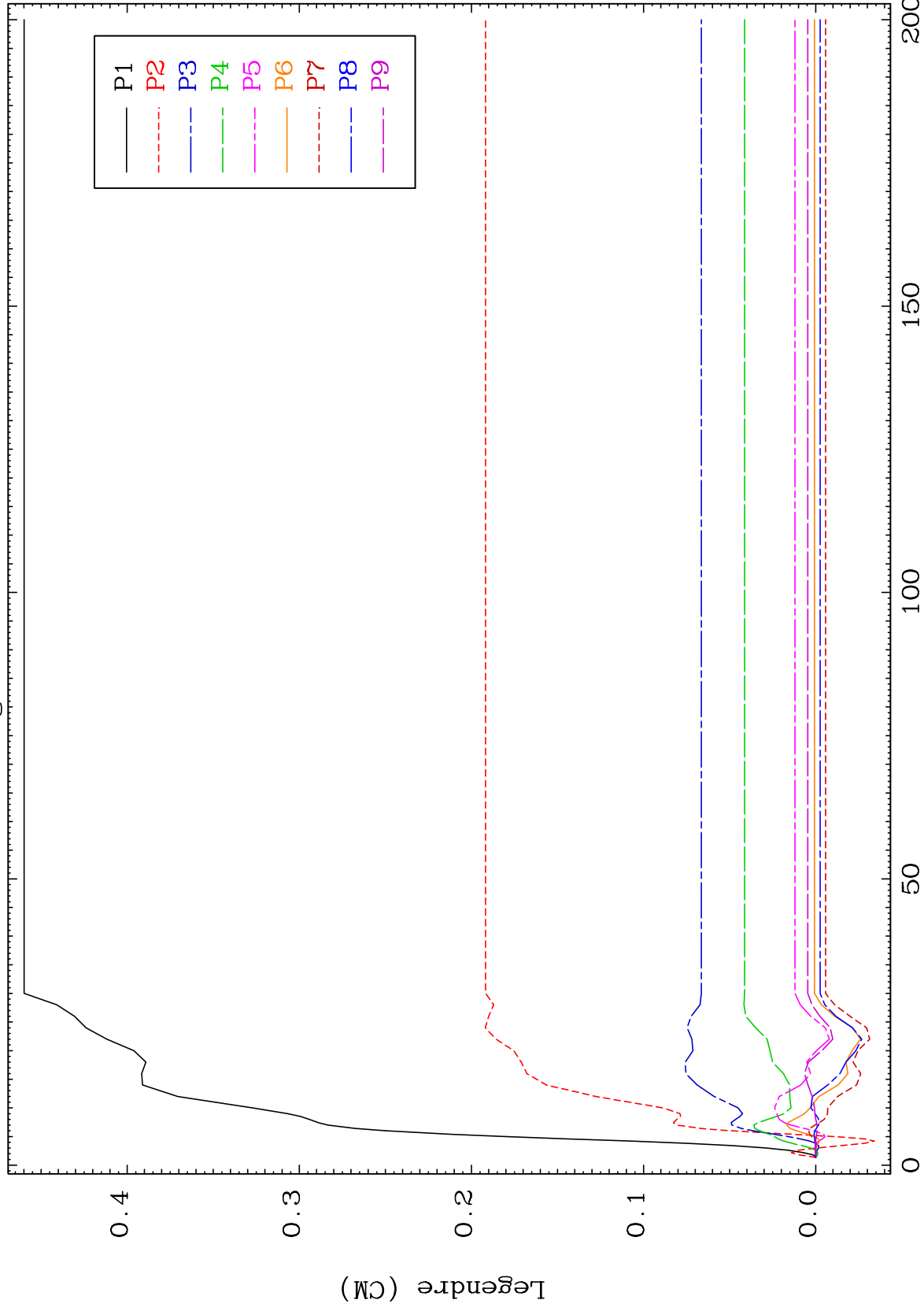
58-Ce-143



MAT 5846

1.298 MeV (n,n') Level
Legendre Coefficients

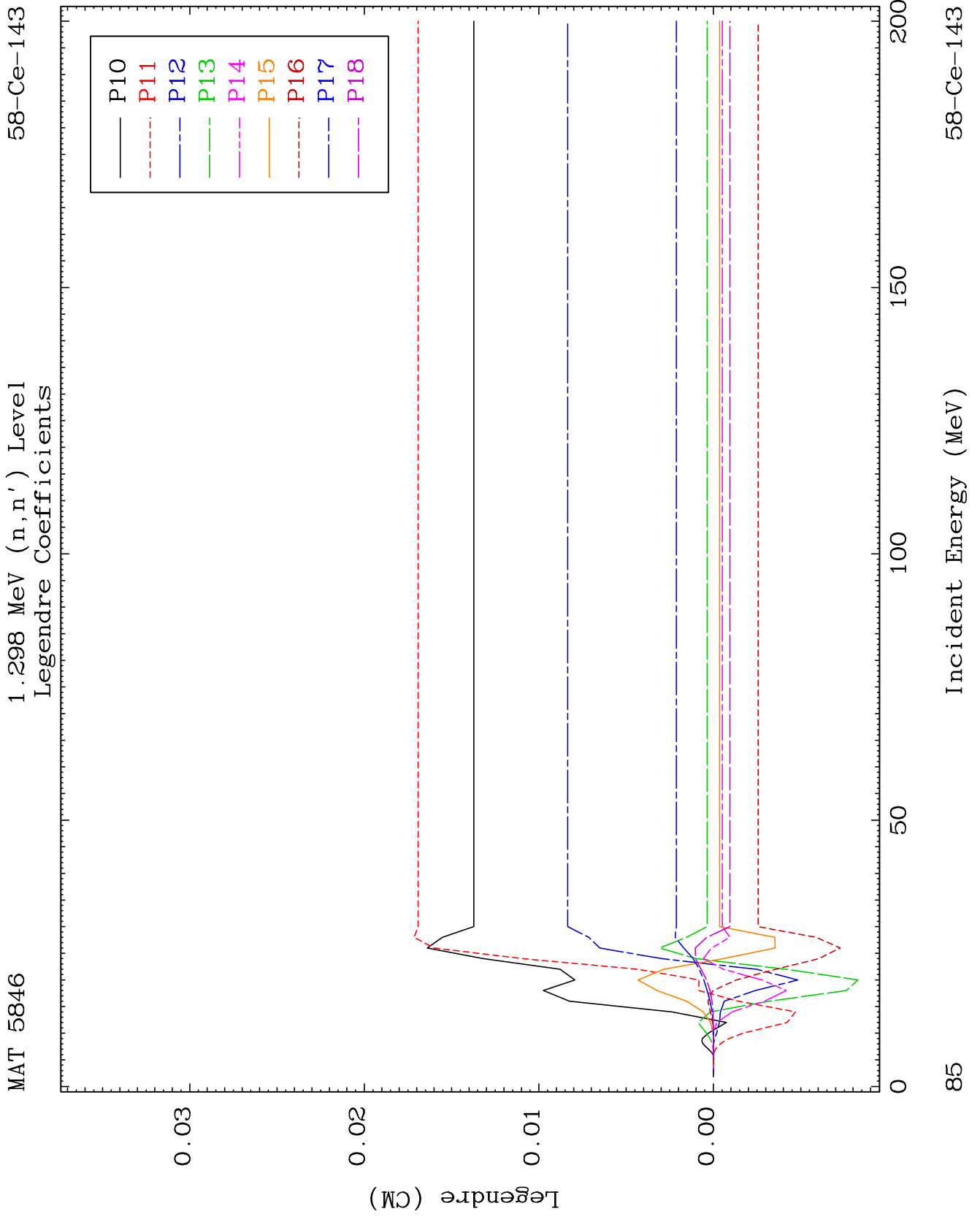
58-Ce-143

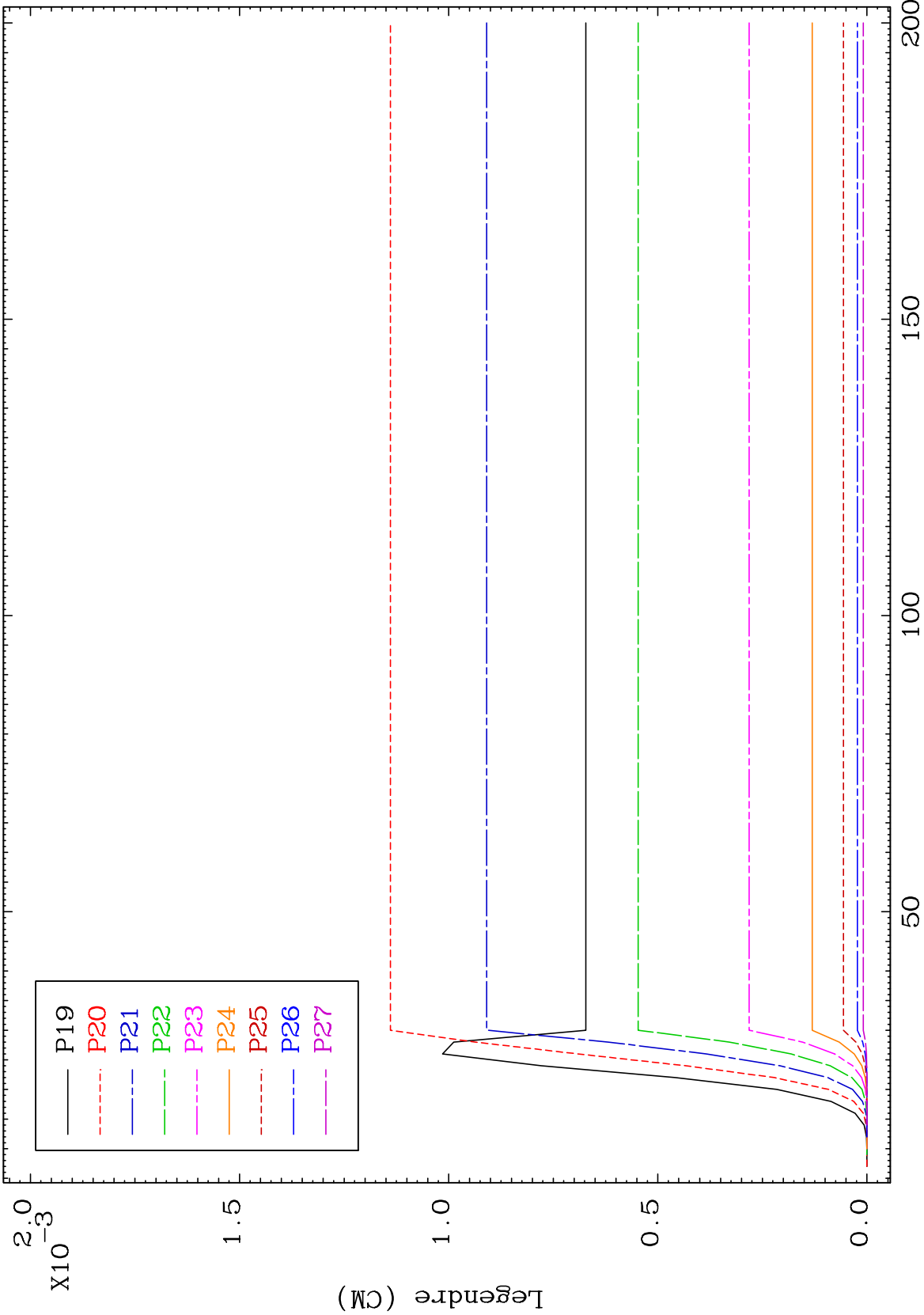


58-Ce-143

Incident Energy (MeV)

84

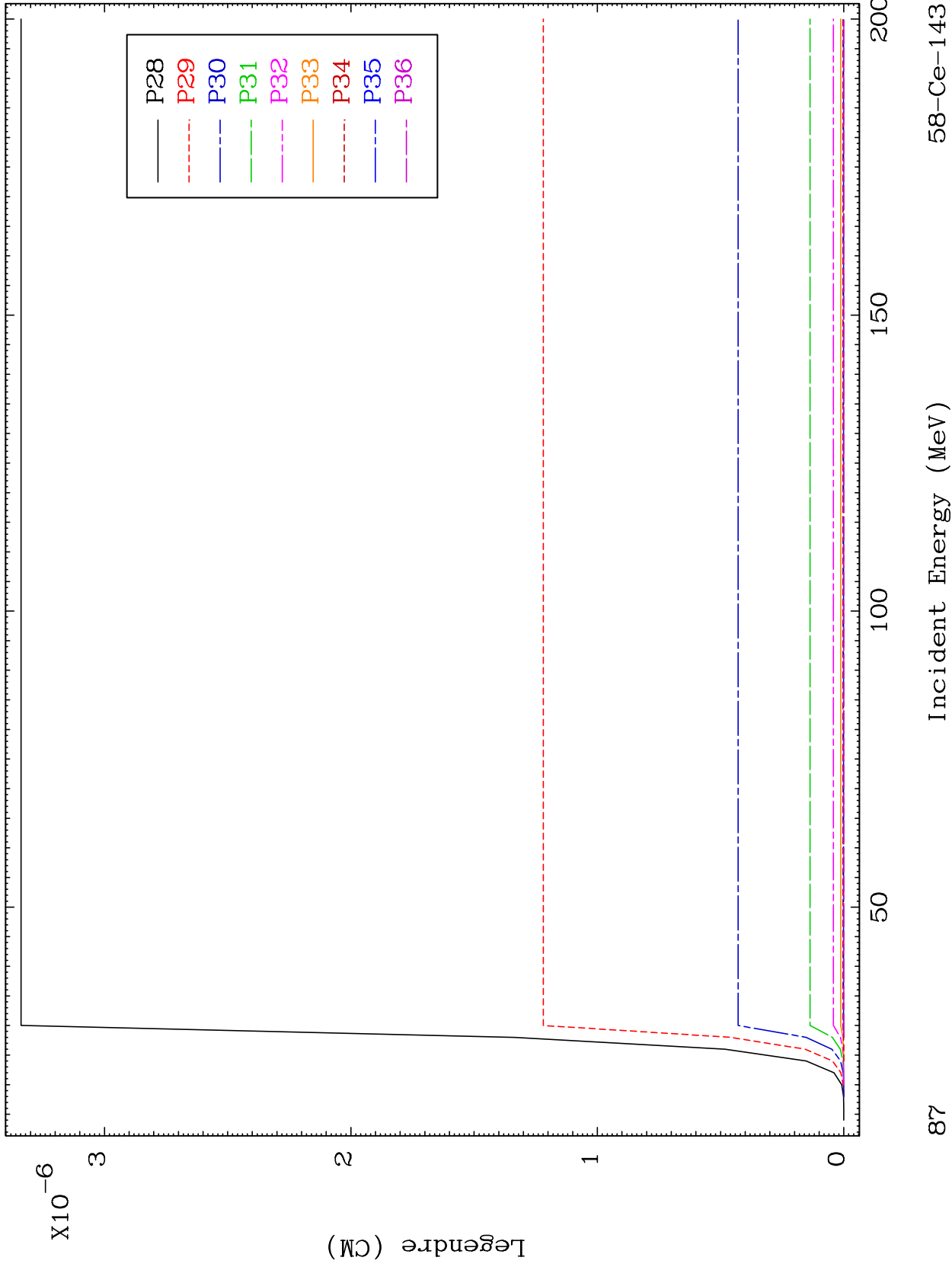




MAT 5846

1.298 MeV (n,n') Level
Legendre Coefficients

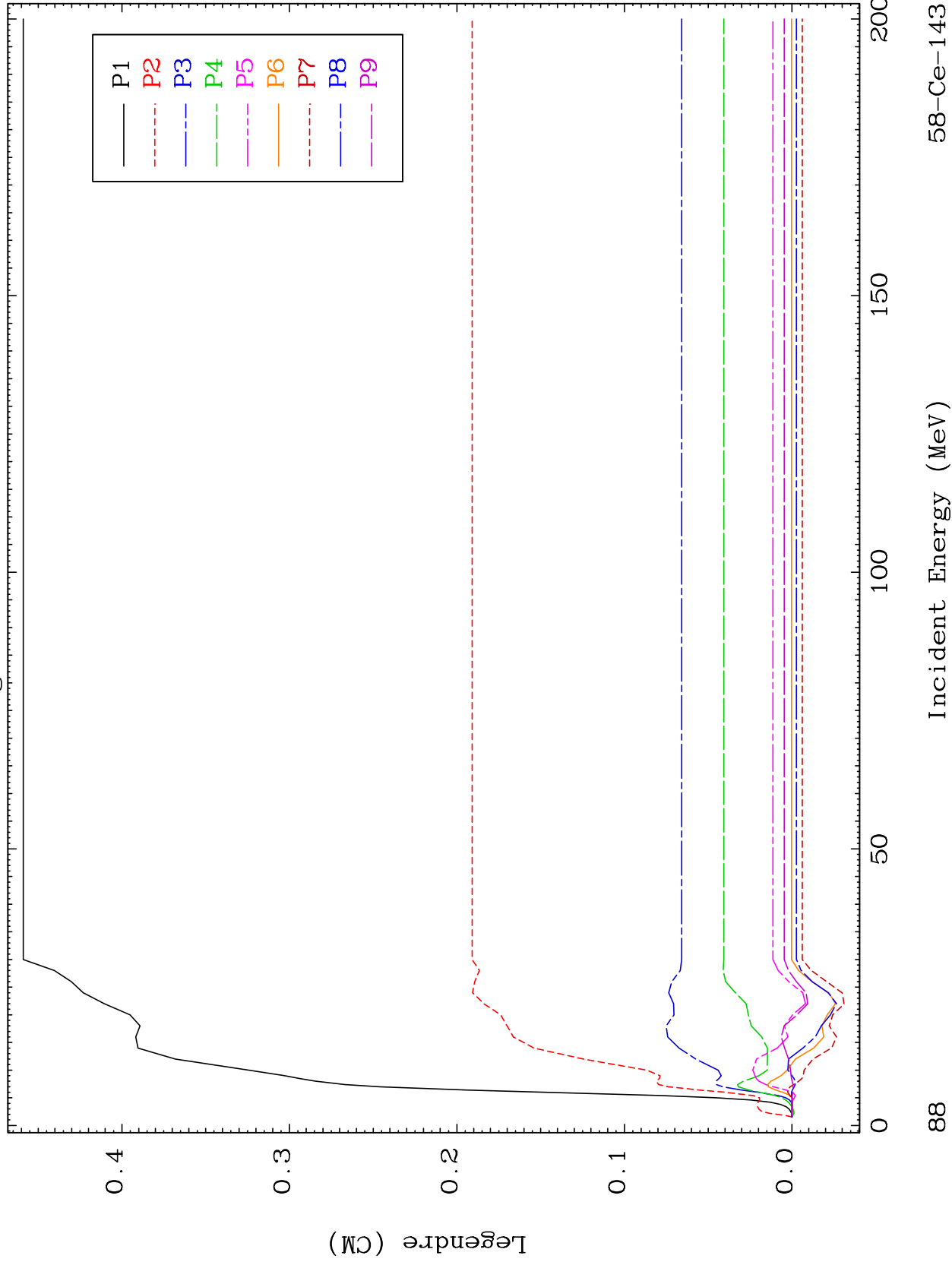
58-Ce-143



MAT 5846

1.506 MeV (n,n') Level
Legendre Coefficients

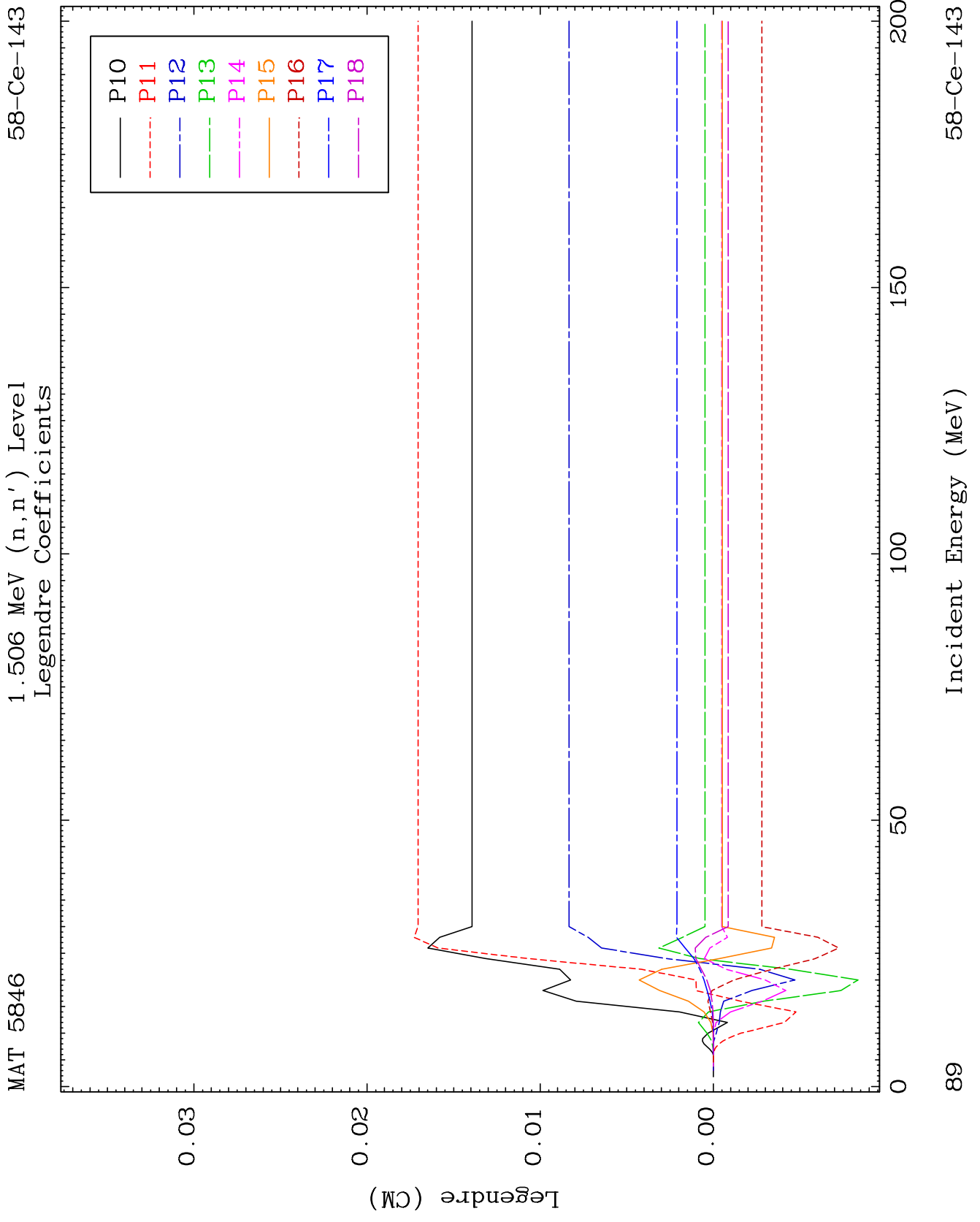
58-Ce-143



58-Ce-143

Incident Energy (MeV)

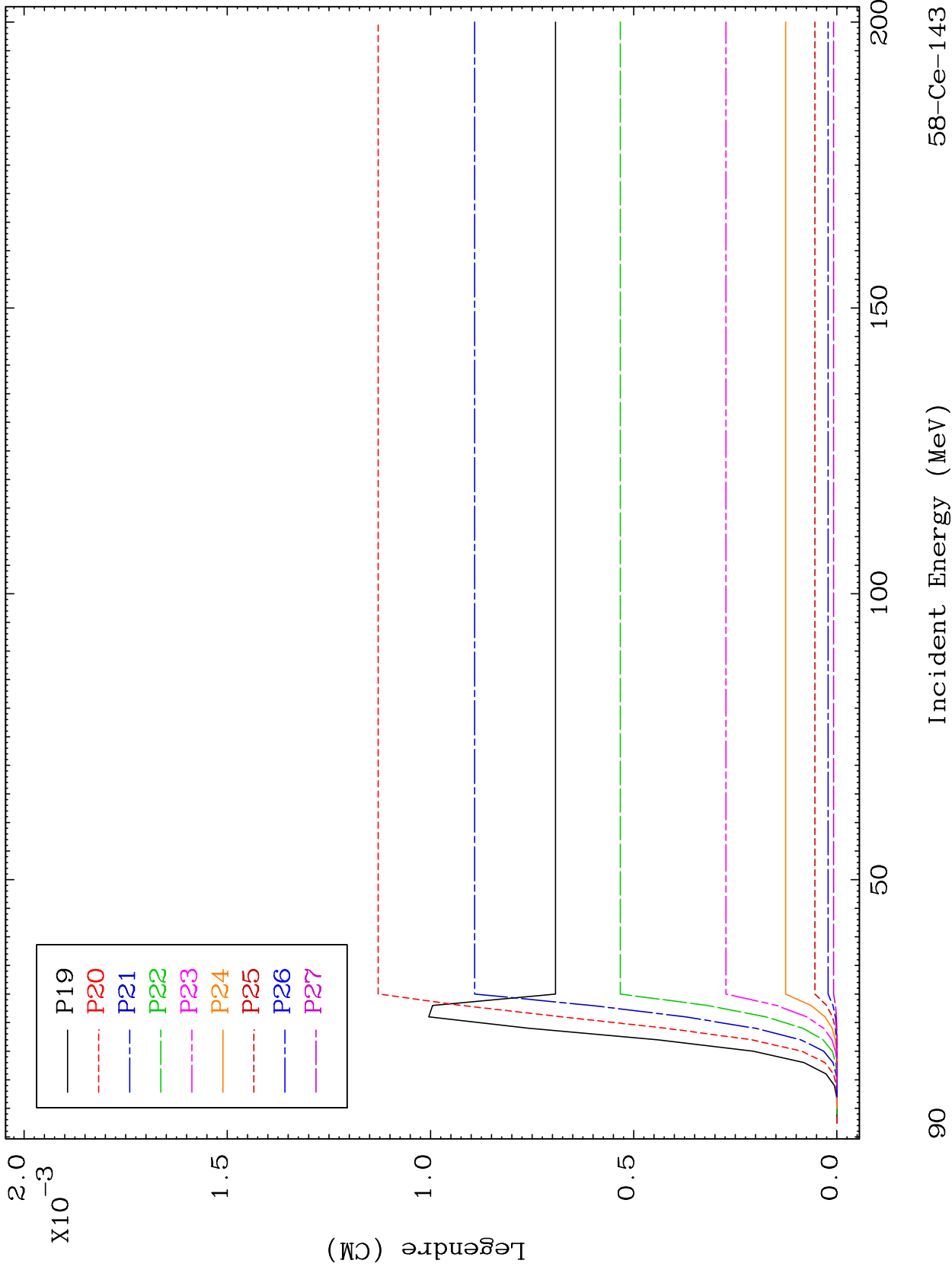
88



MAT 5846

1.506 MeV (n,n') Level
Legendre Coefficients

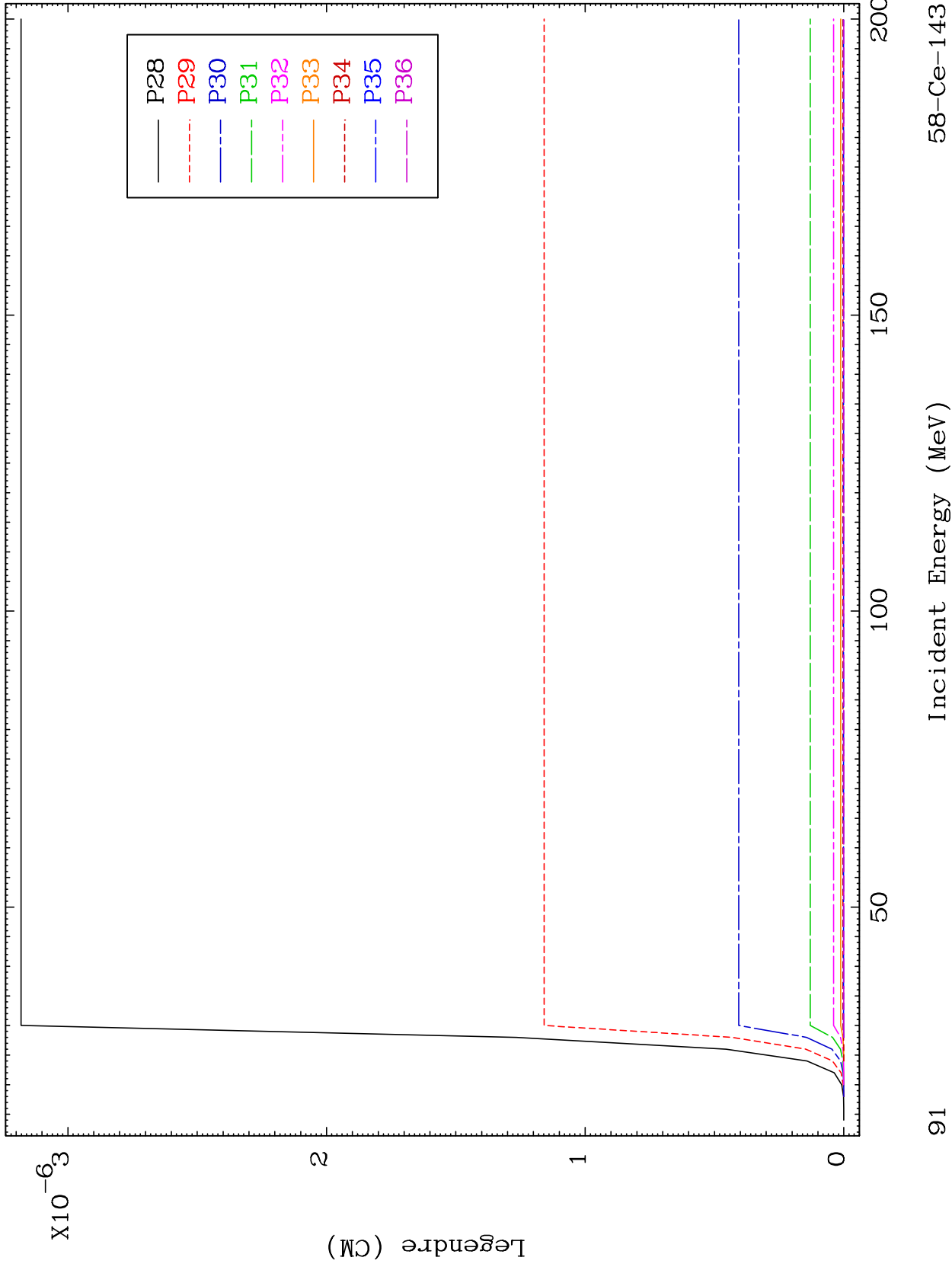
58-Ce-143

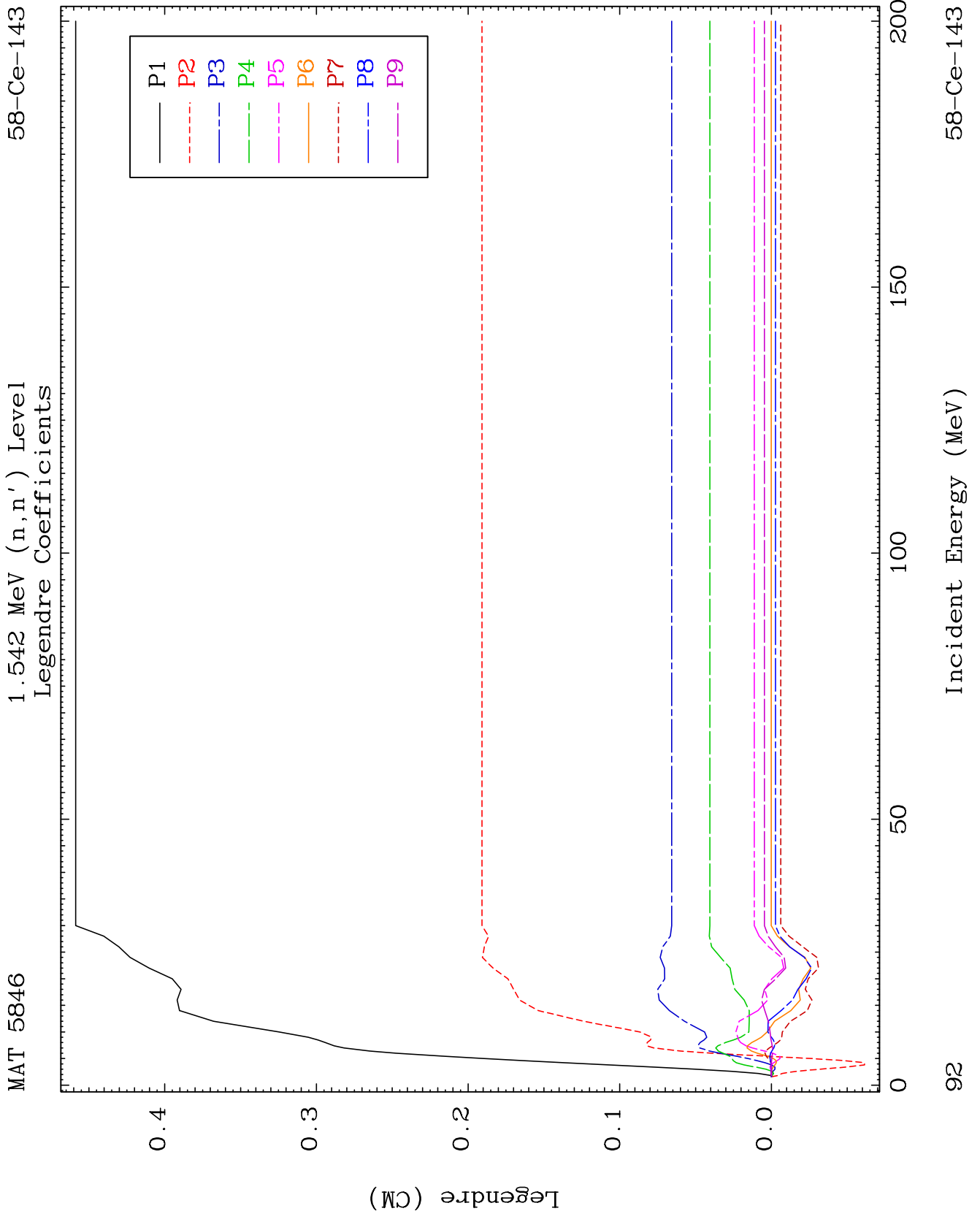


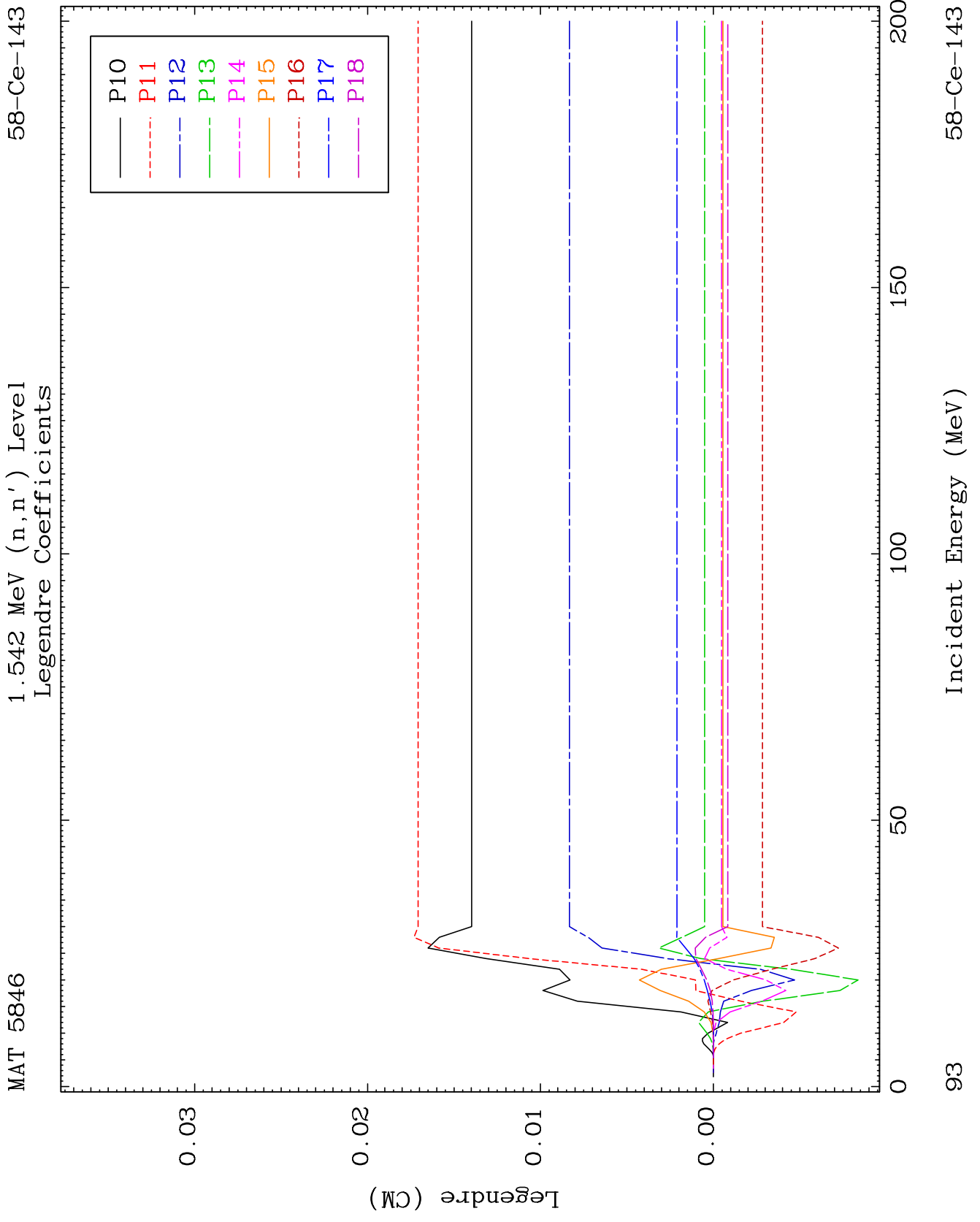
MAT 5846

1.506 MeV (n,n') Level
Legendre Coefficients

58-Ce-143



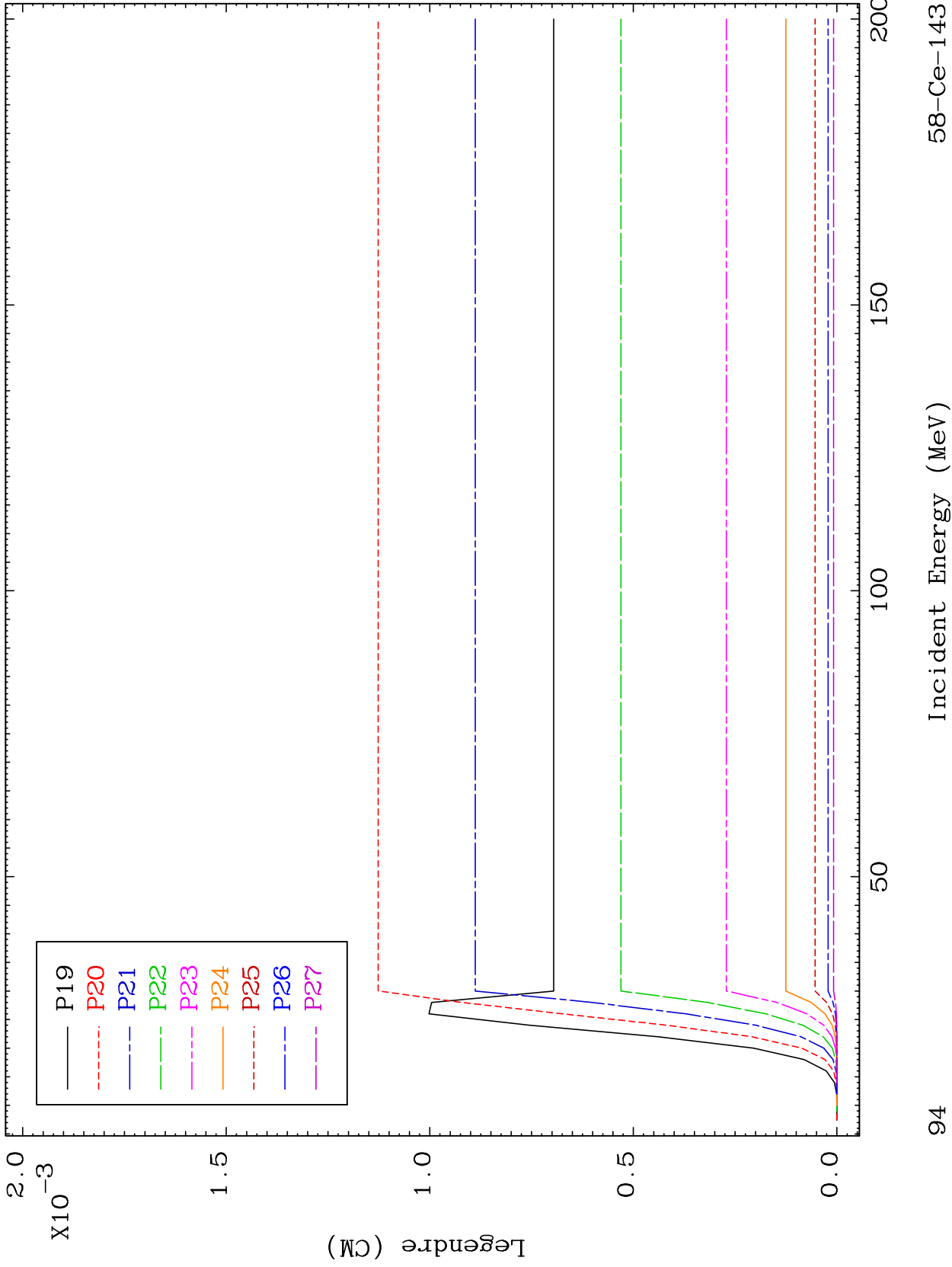


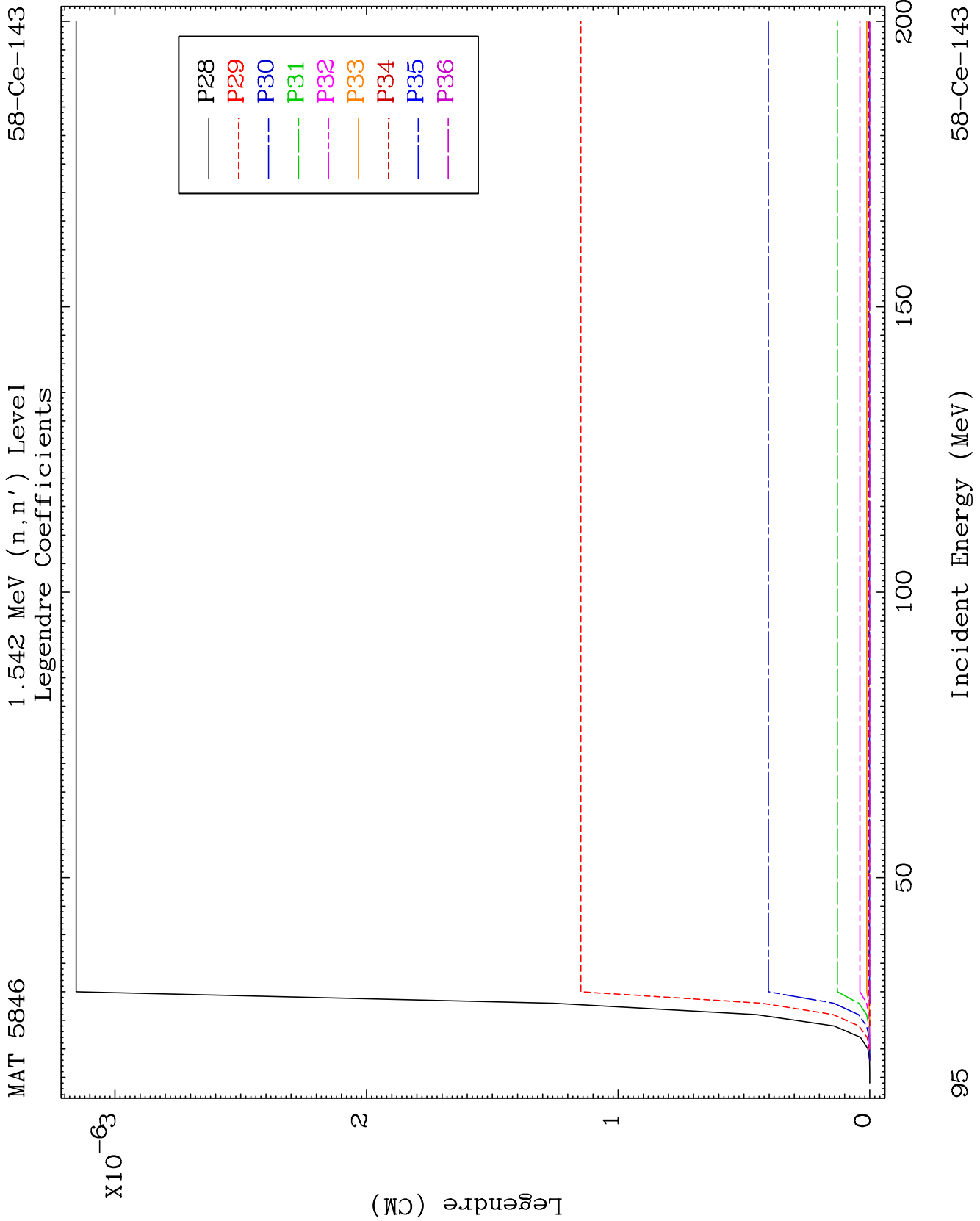


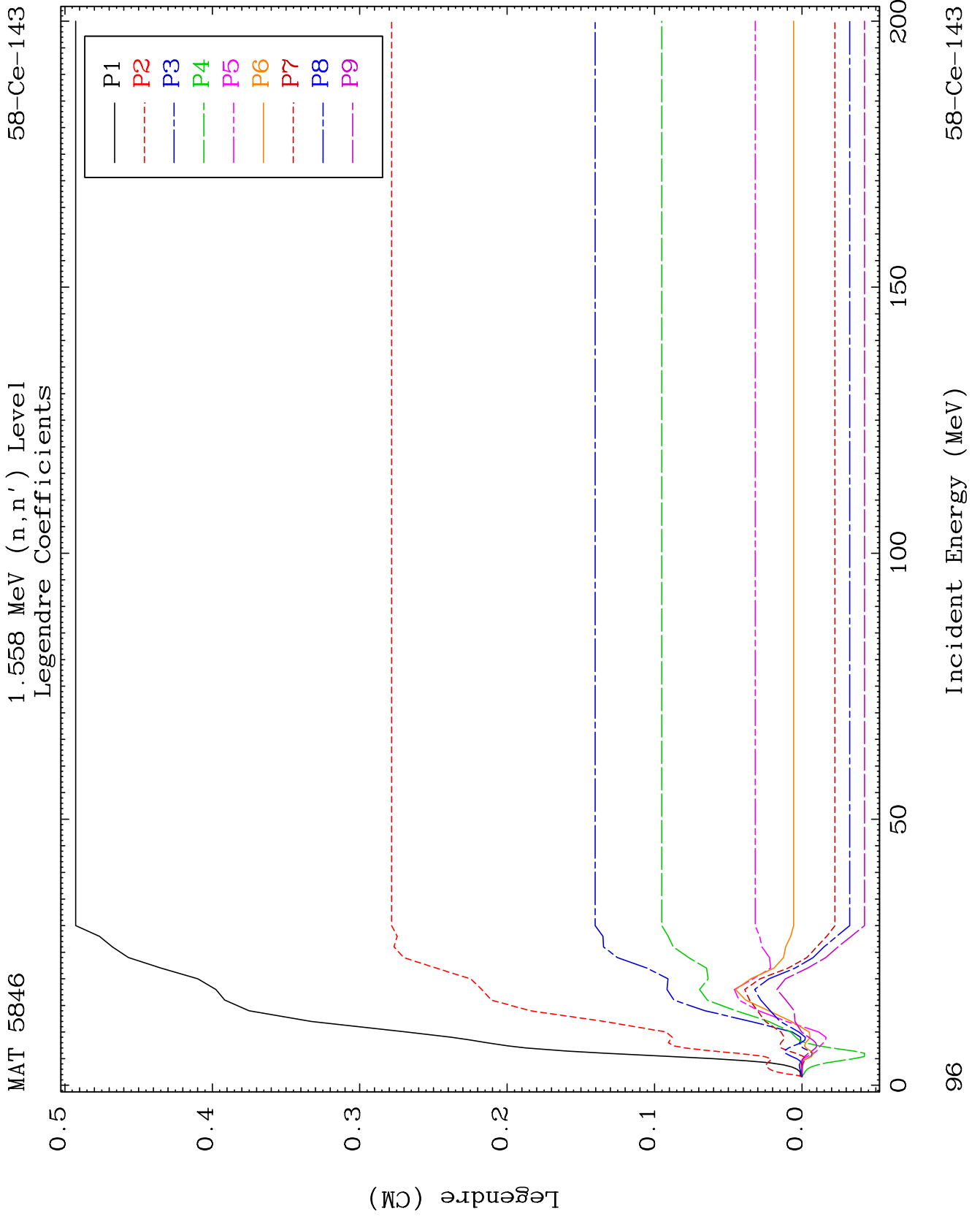
MAT 5846

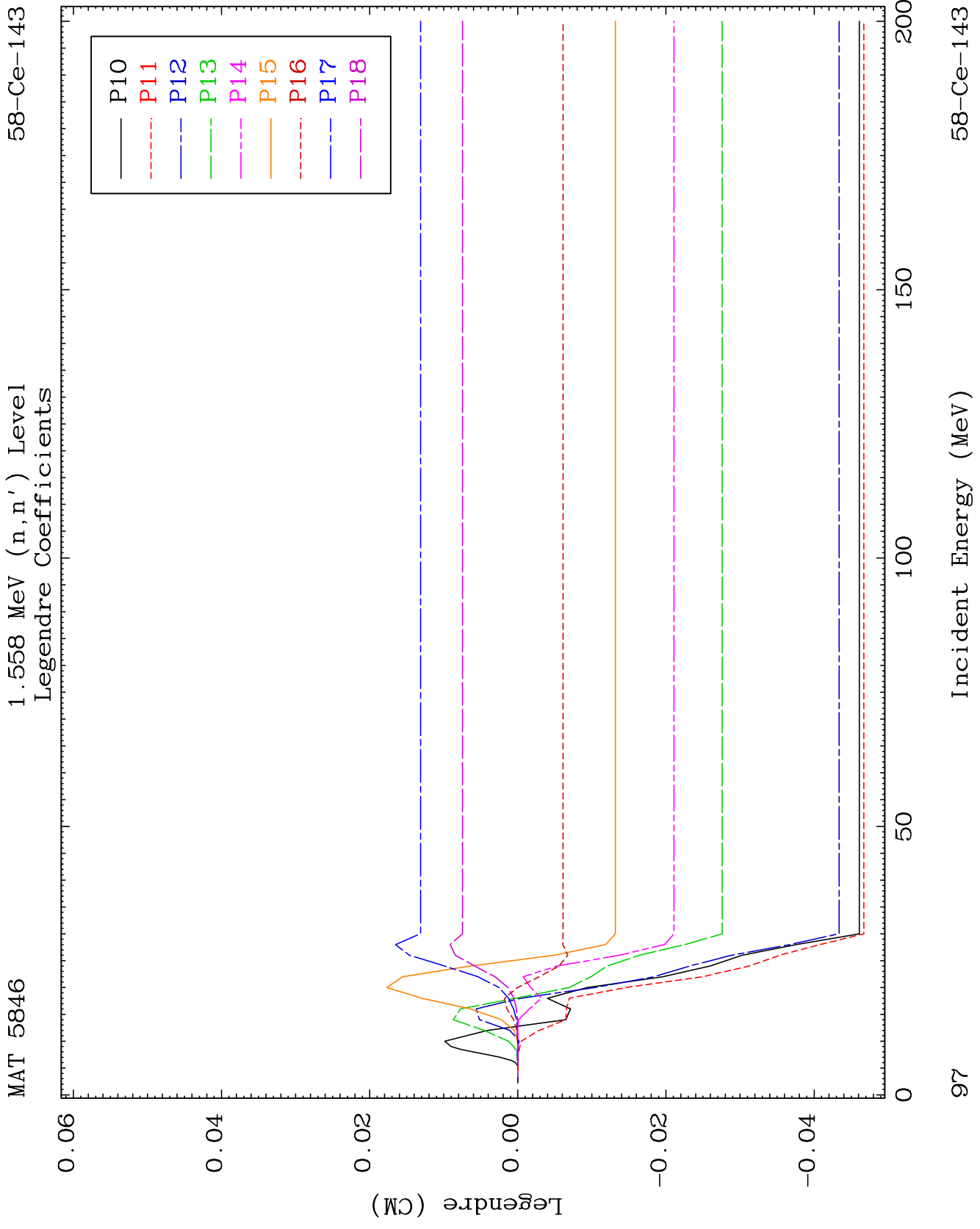
1.542 MeV (n, n') Level
Legendre Coefficients

58-Ce-143





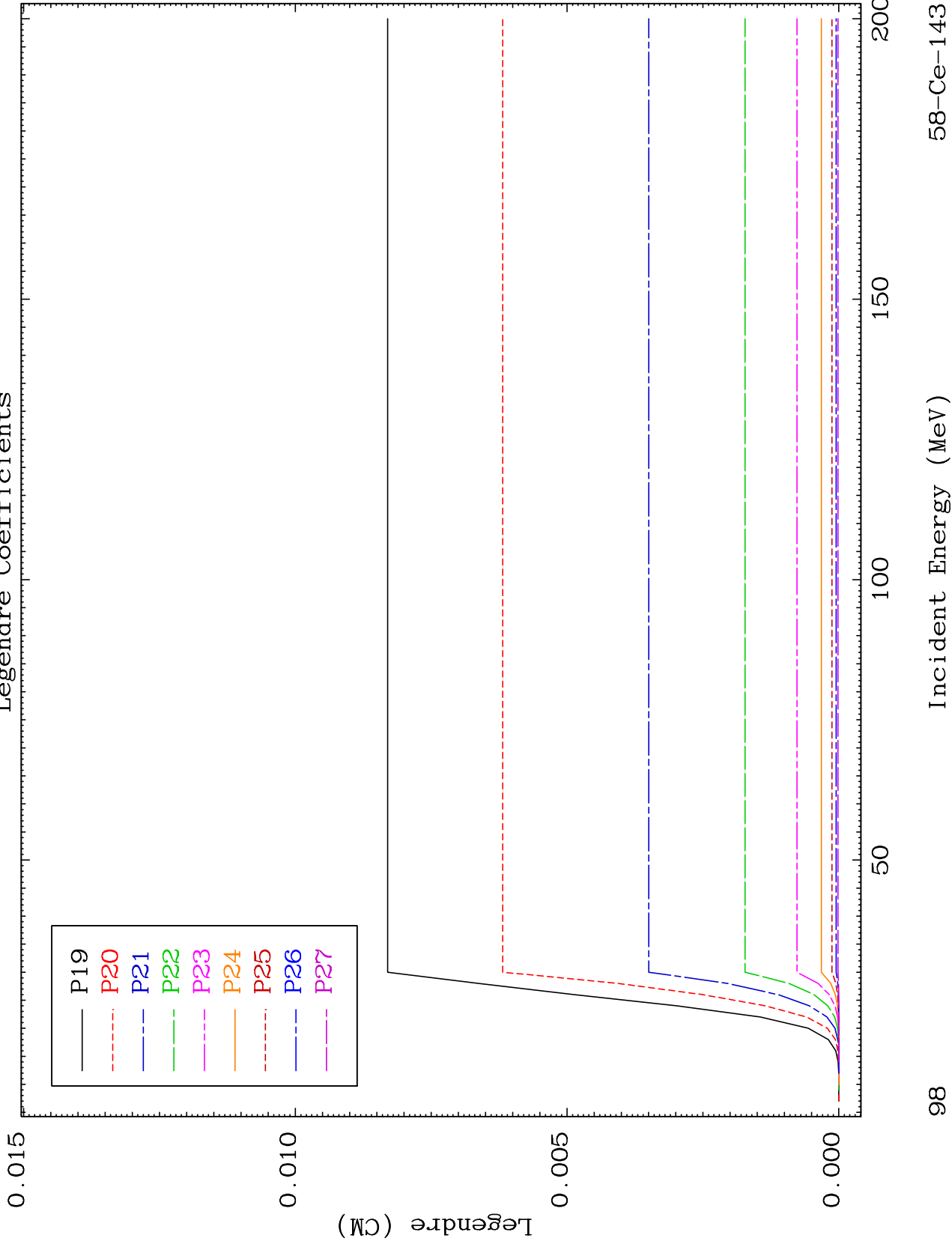




MAT 5846

1.558 MeV (n,n') Level
Legendre Coefficients

58-Ce-143



98

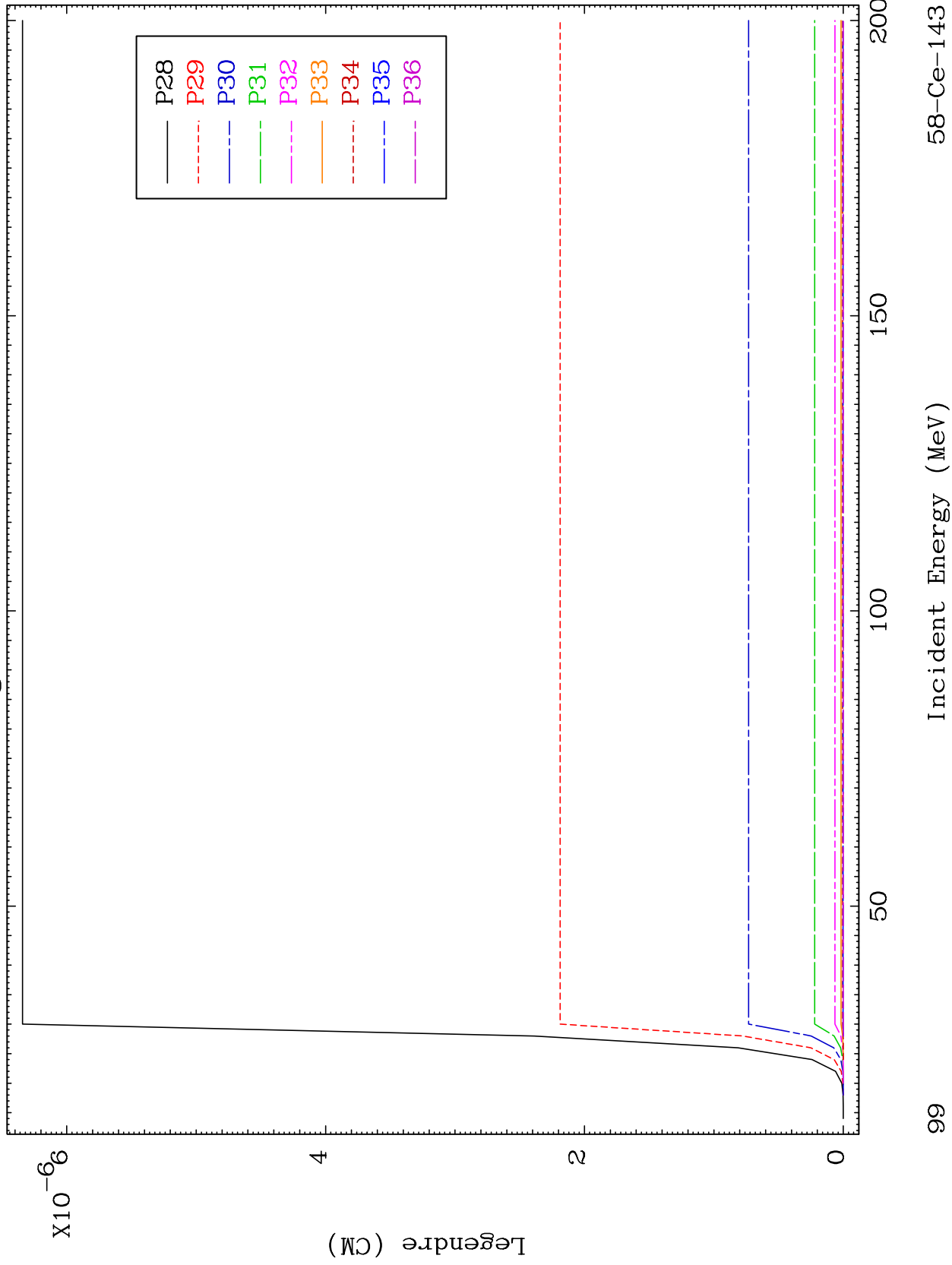
Incident Energy (MeV)

58-Ce-143

MAT 5846

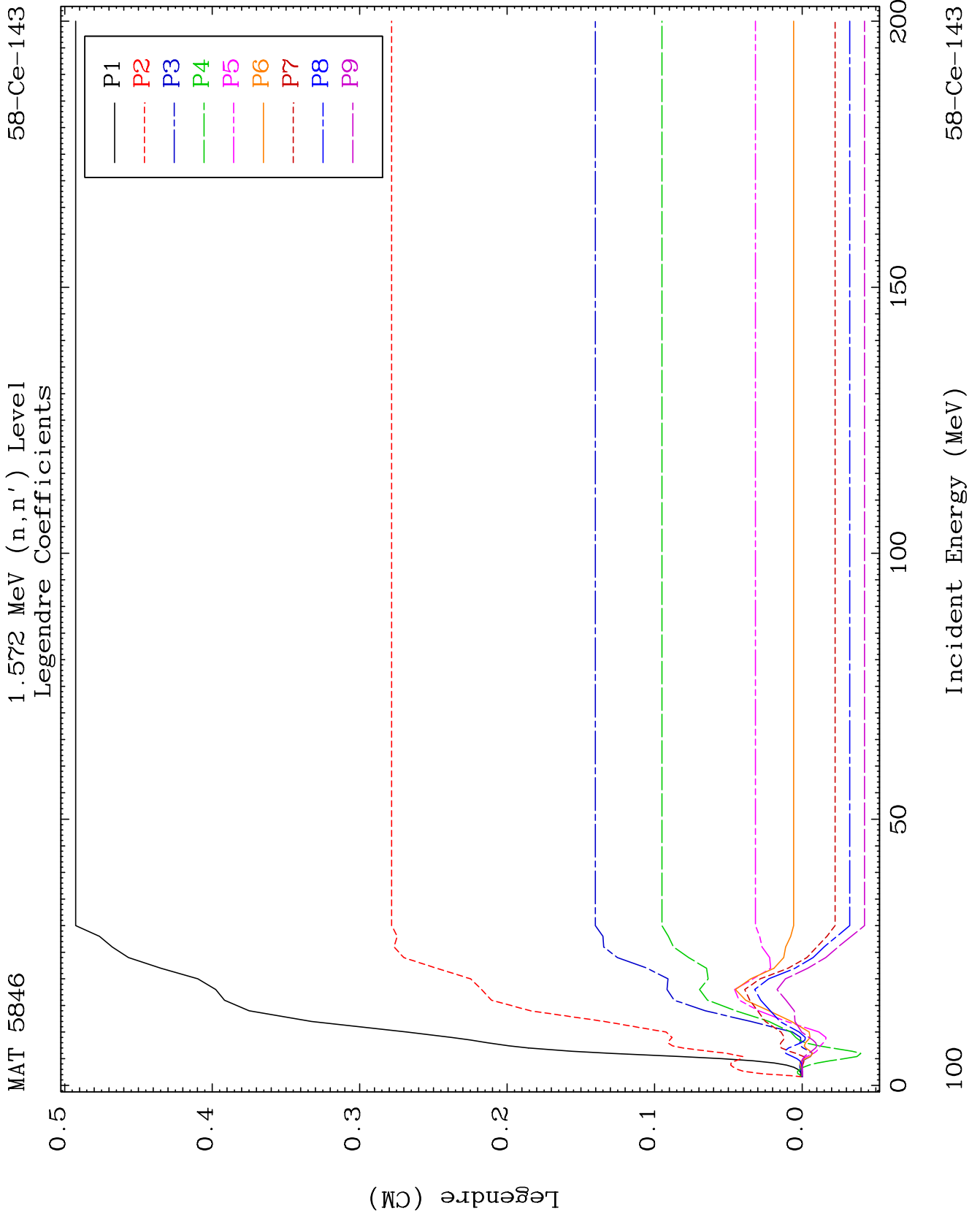
1.558 MeV (n,n') Level
Legendre Coefficients

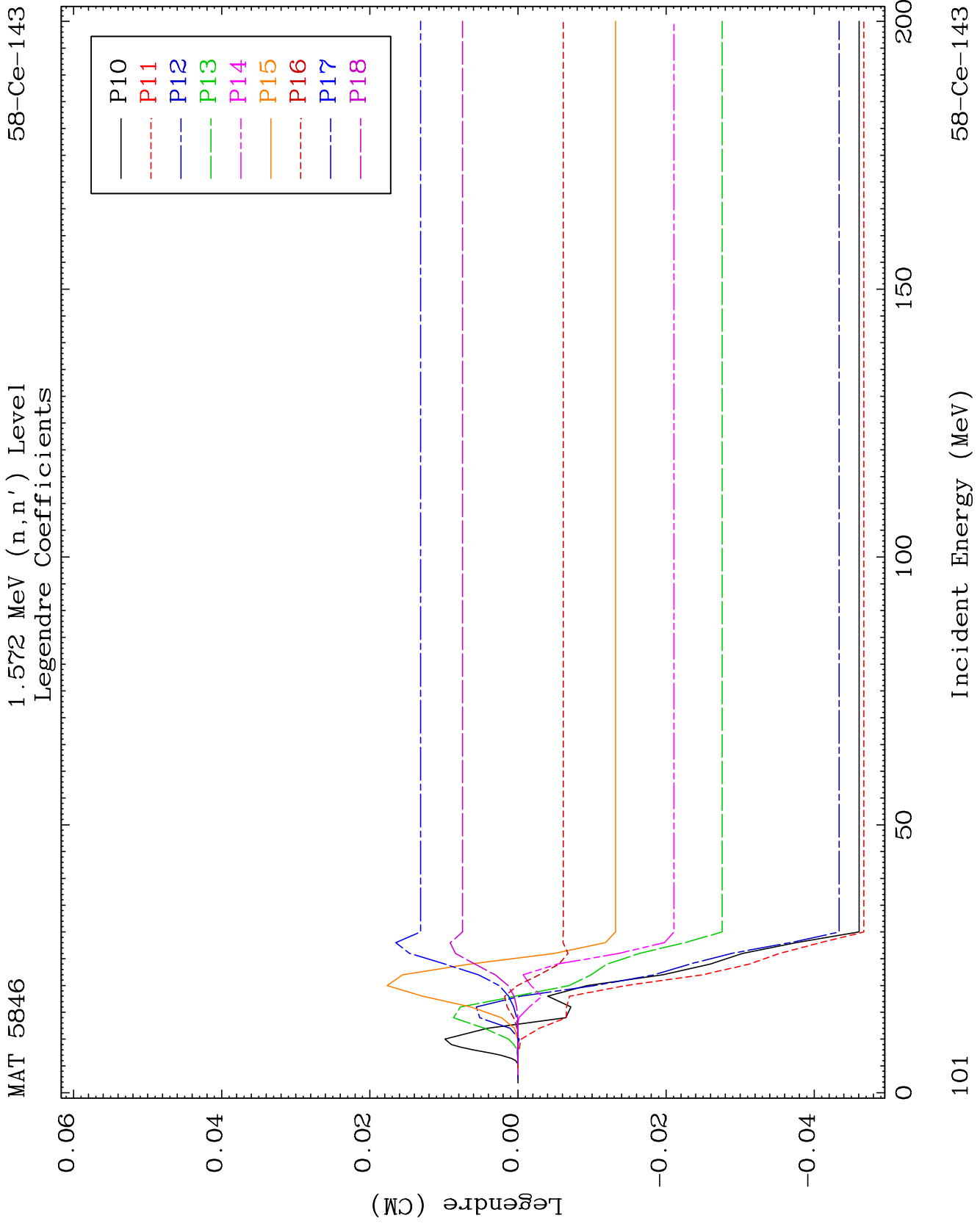
58-Ce-143



99

58-Ce-143

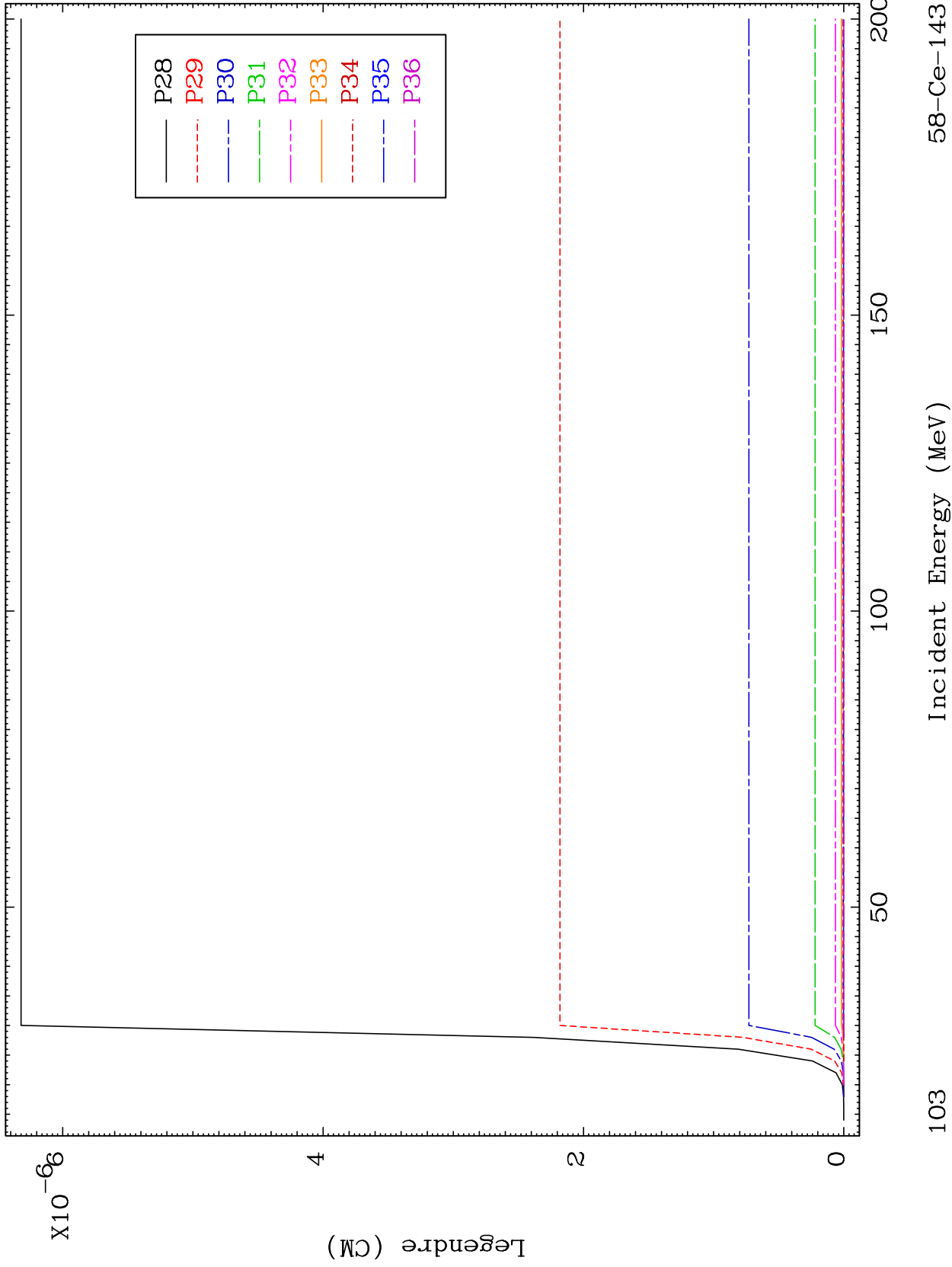




MAT 5846

1.572 MeV (n, n') Level
Legendre Coefficients

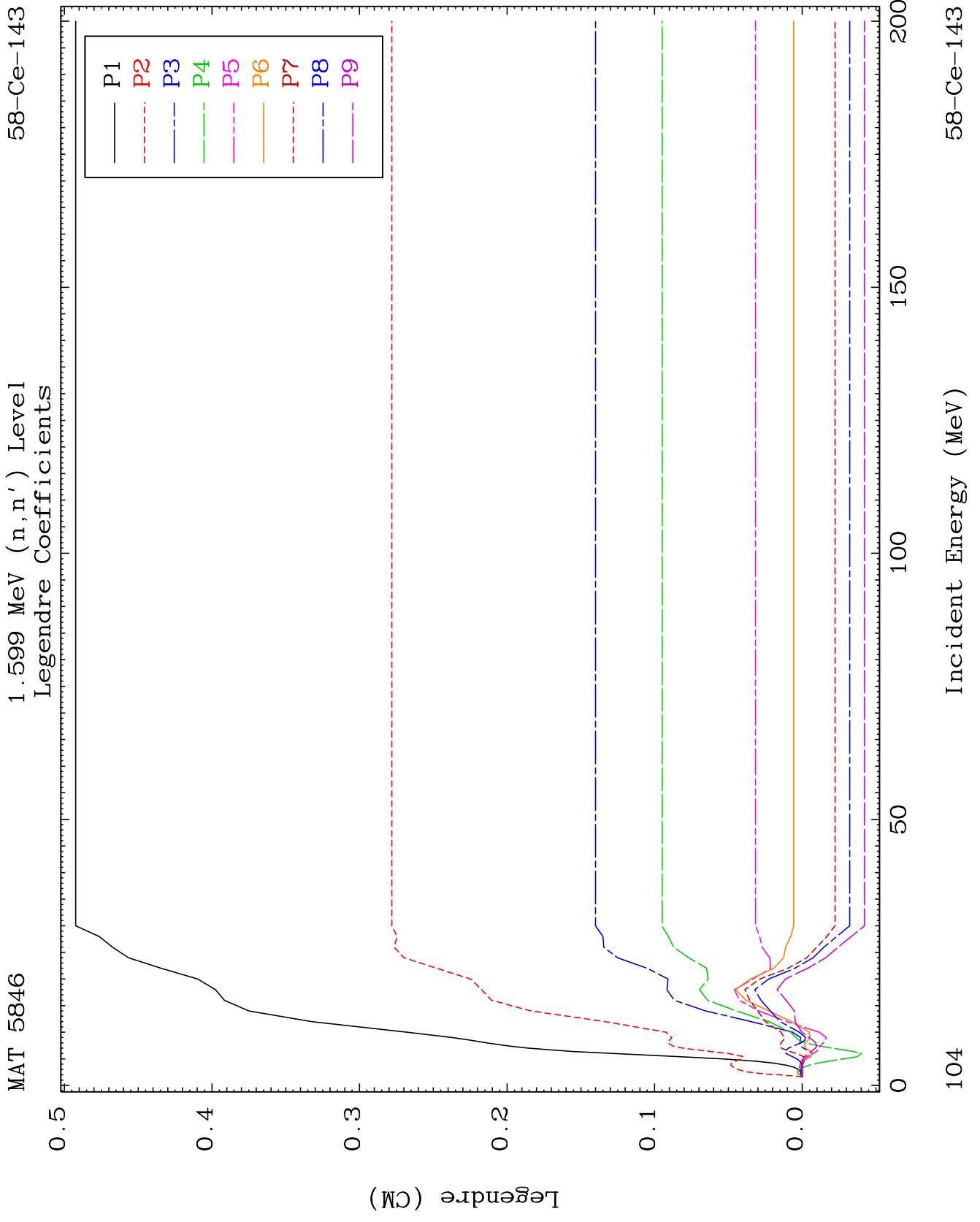
58-Ce-143

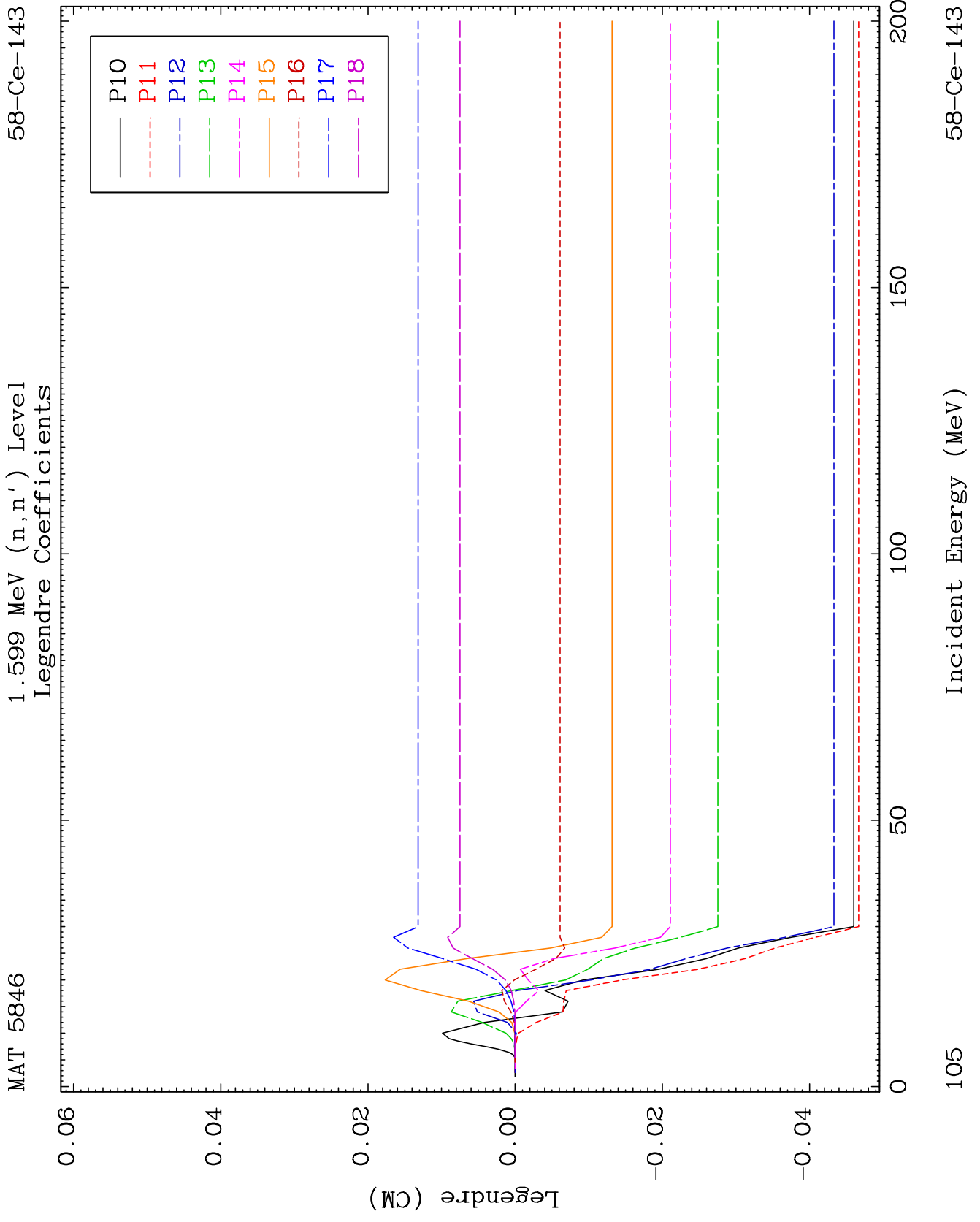


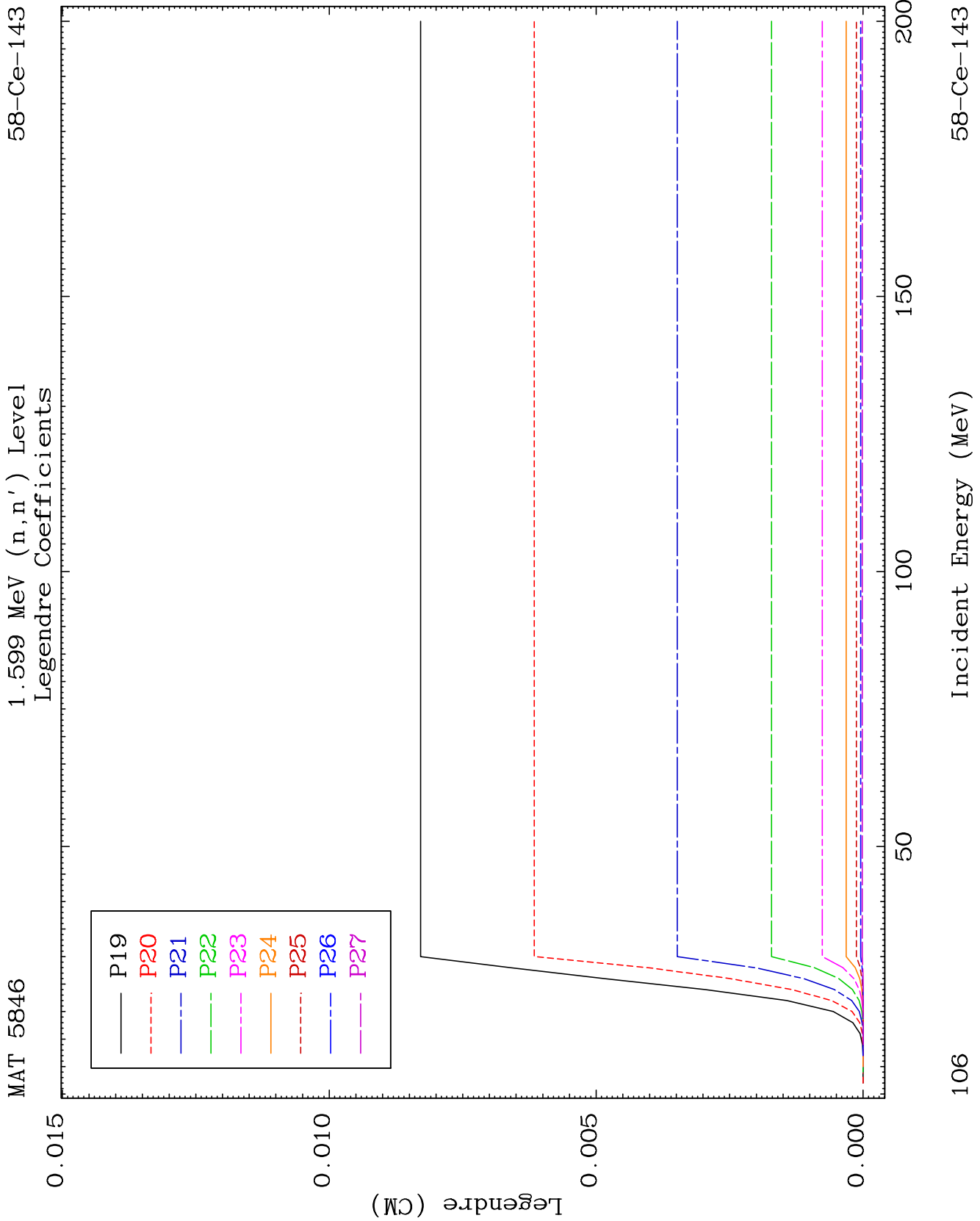
103

Incident Energy (MeV)

58-Ce-143



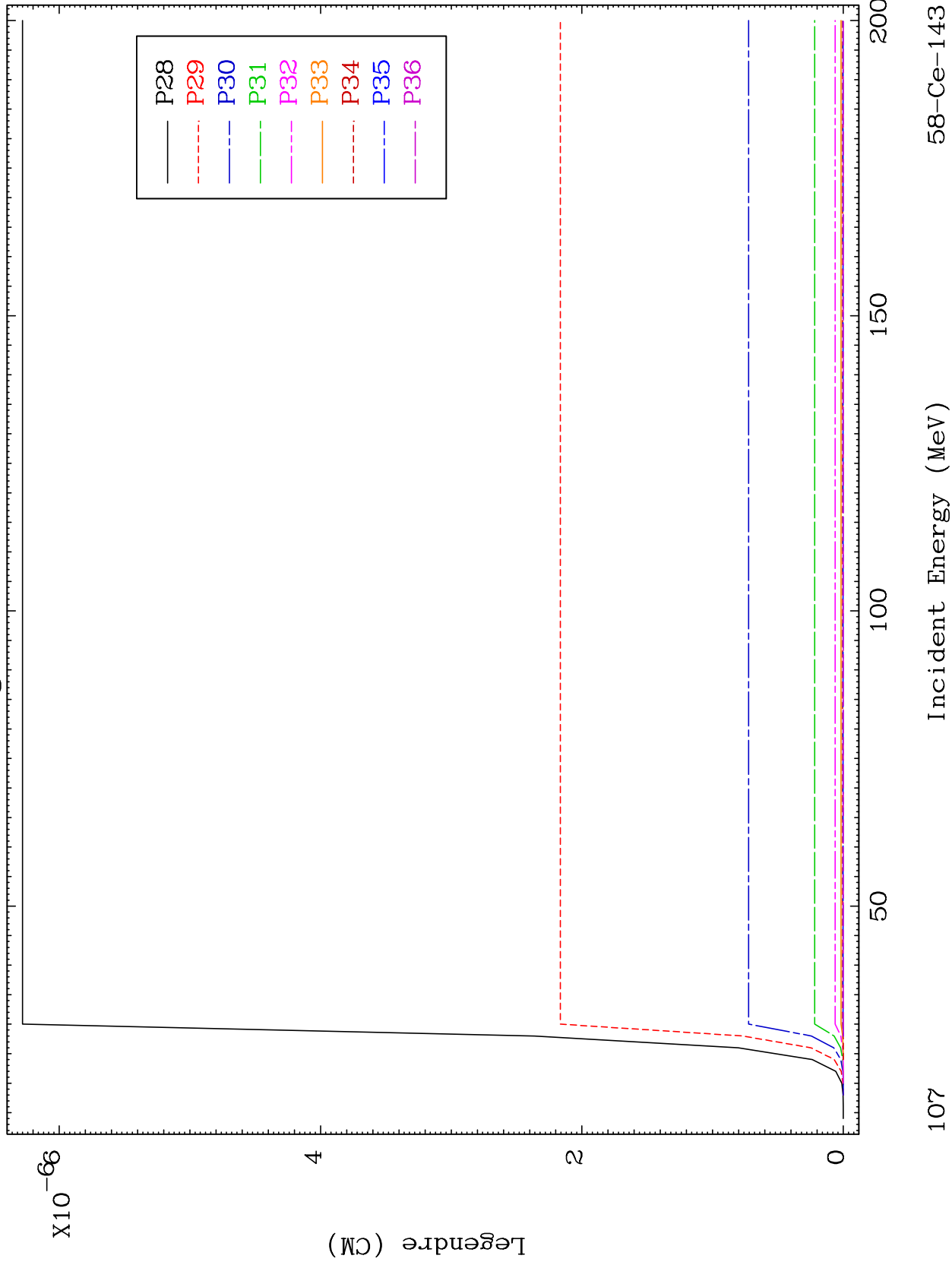




MAT 5846

1.599 MeV (n,n') Level
Legendre Coefficients

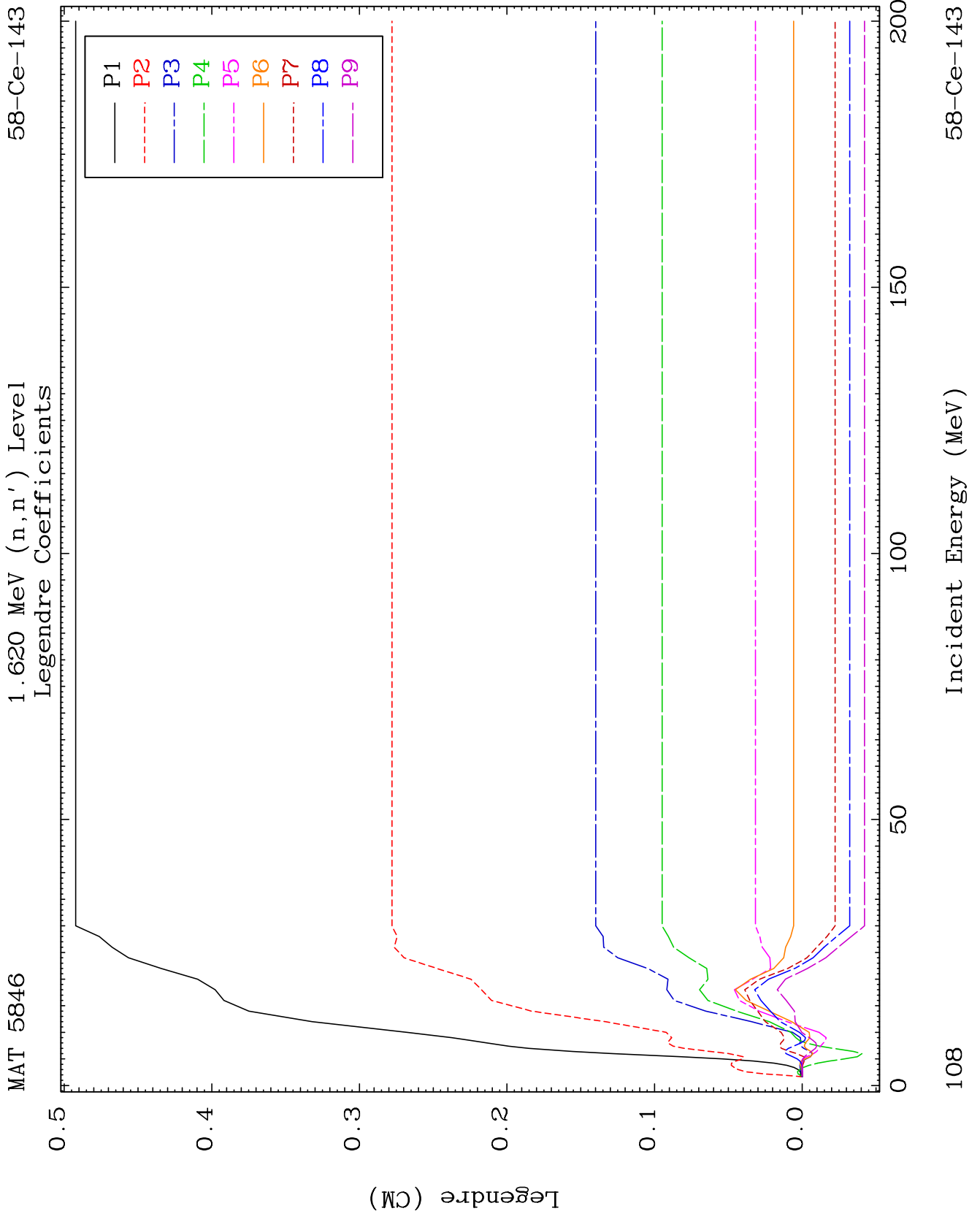
58-Ce-143

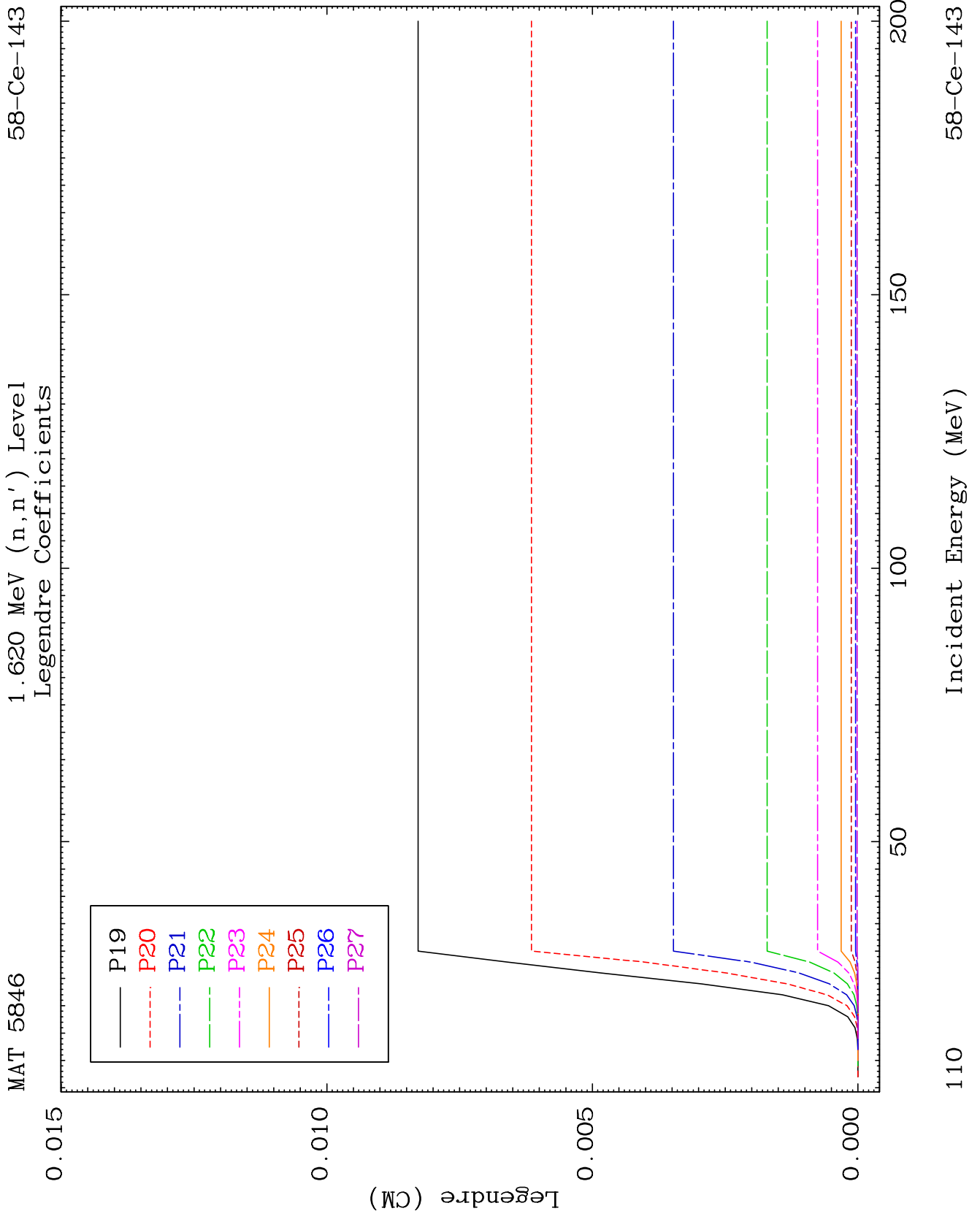


107

Incident Energy (MeV)

58-Ce-143

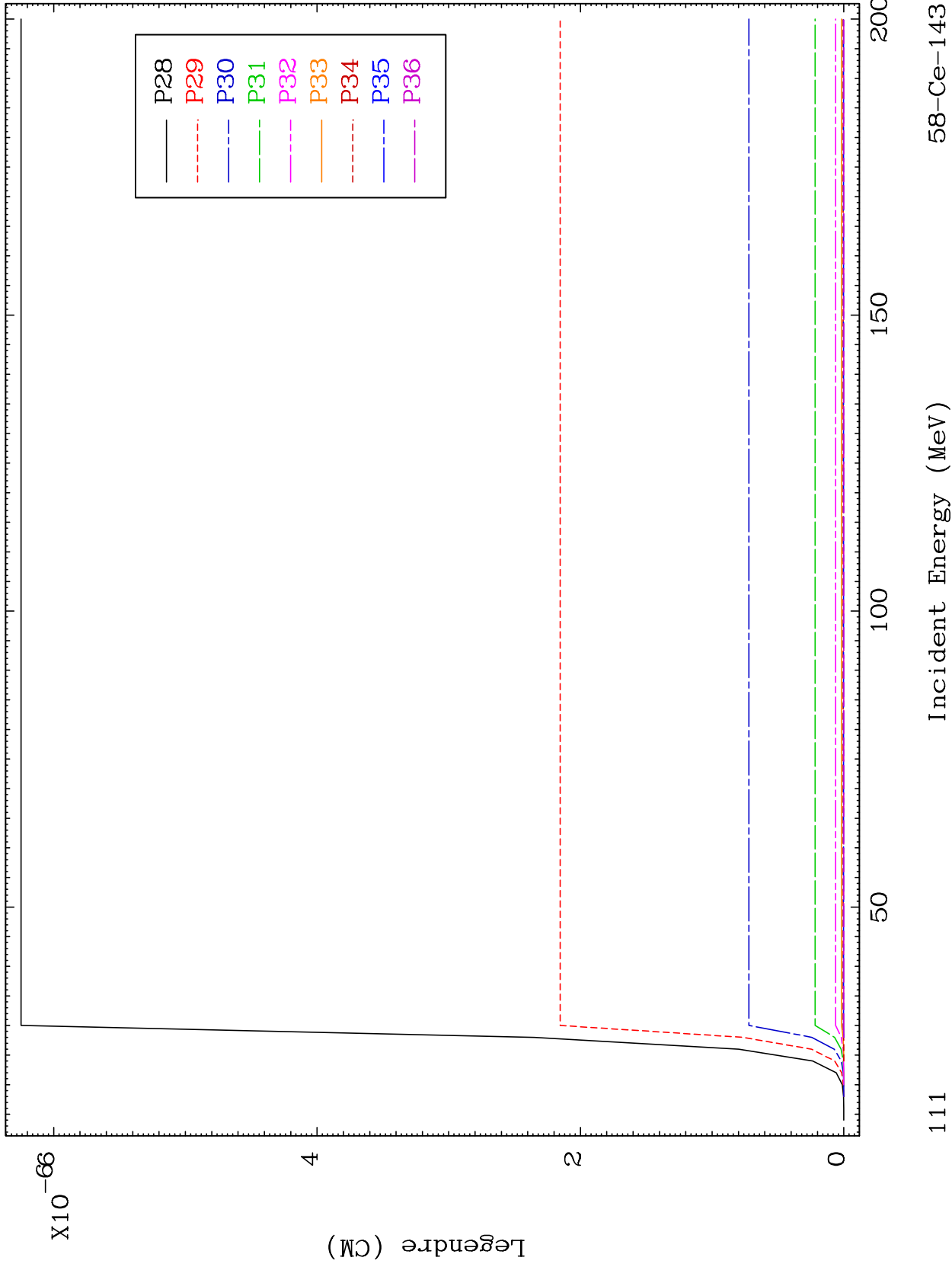




MAT 5846

1.620 MeV (n,n') Level
Legendre Coefficients

58-Ce-143



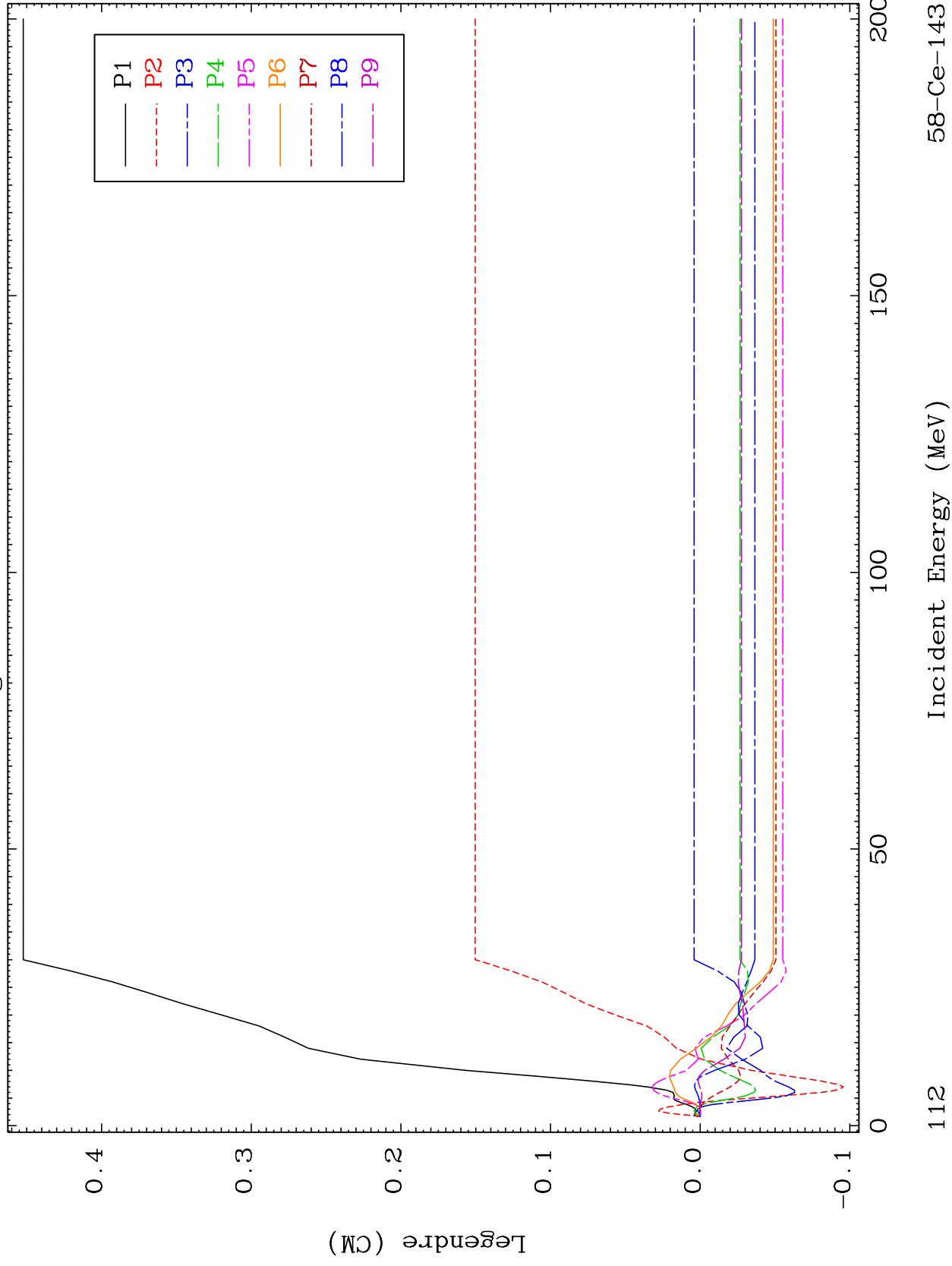
111

58-Ce-143

MAT 5846

1.629 MeV (n,n') Level
Legendre Coefficients

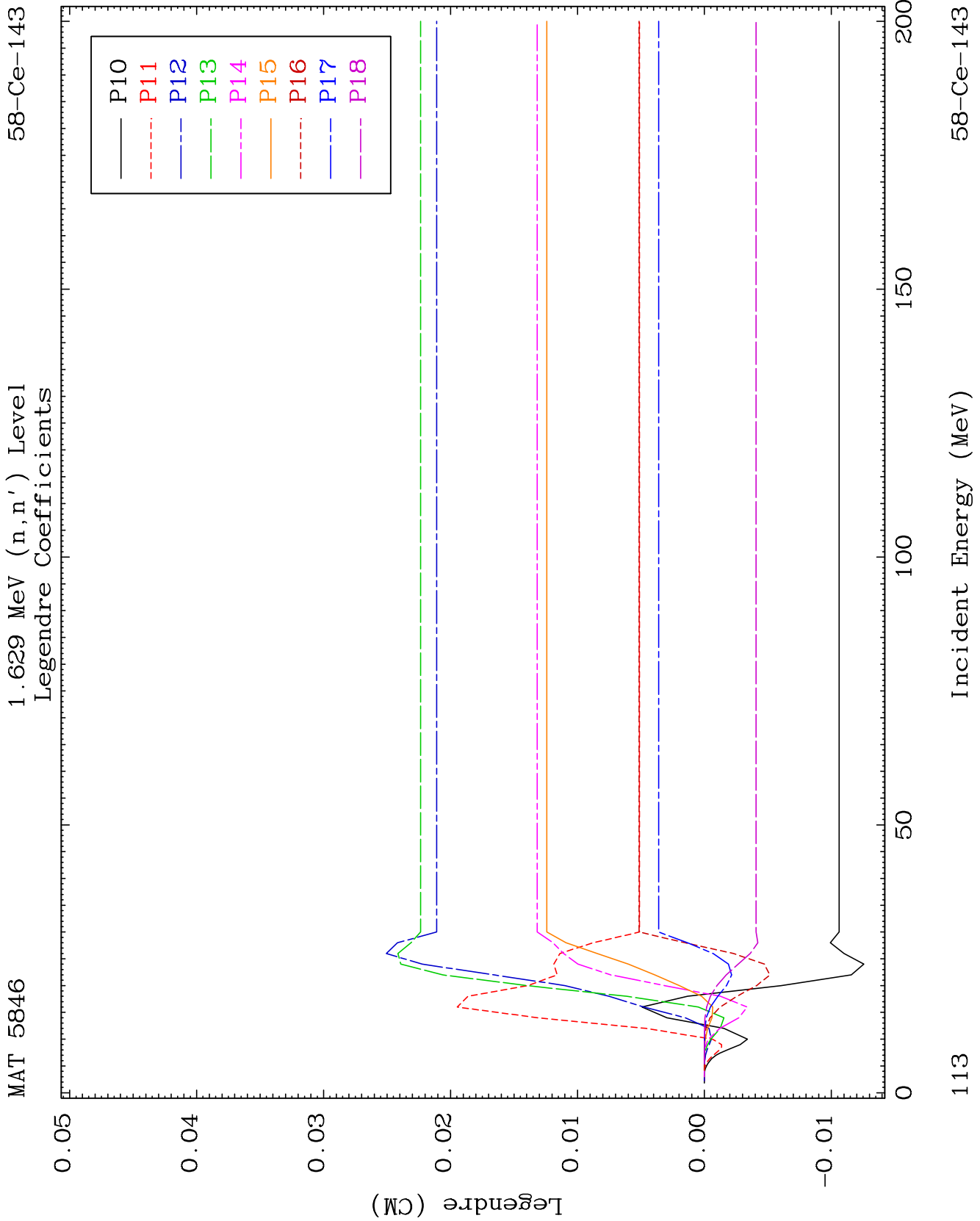
58-Ce-143



58-Ce-143

Incident Energy (MeV)

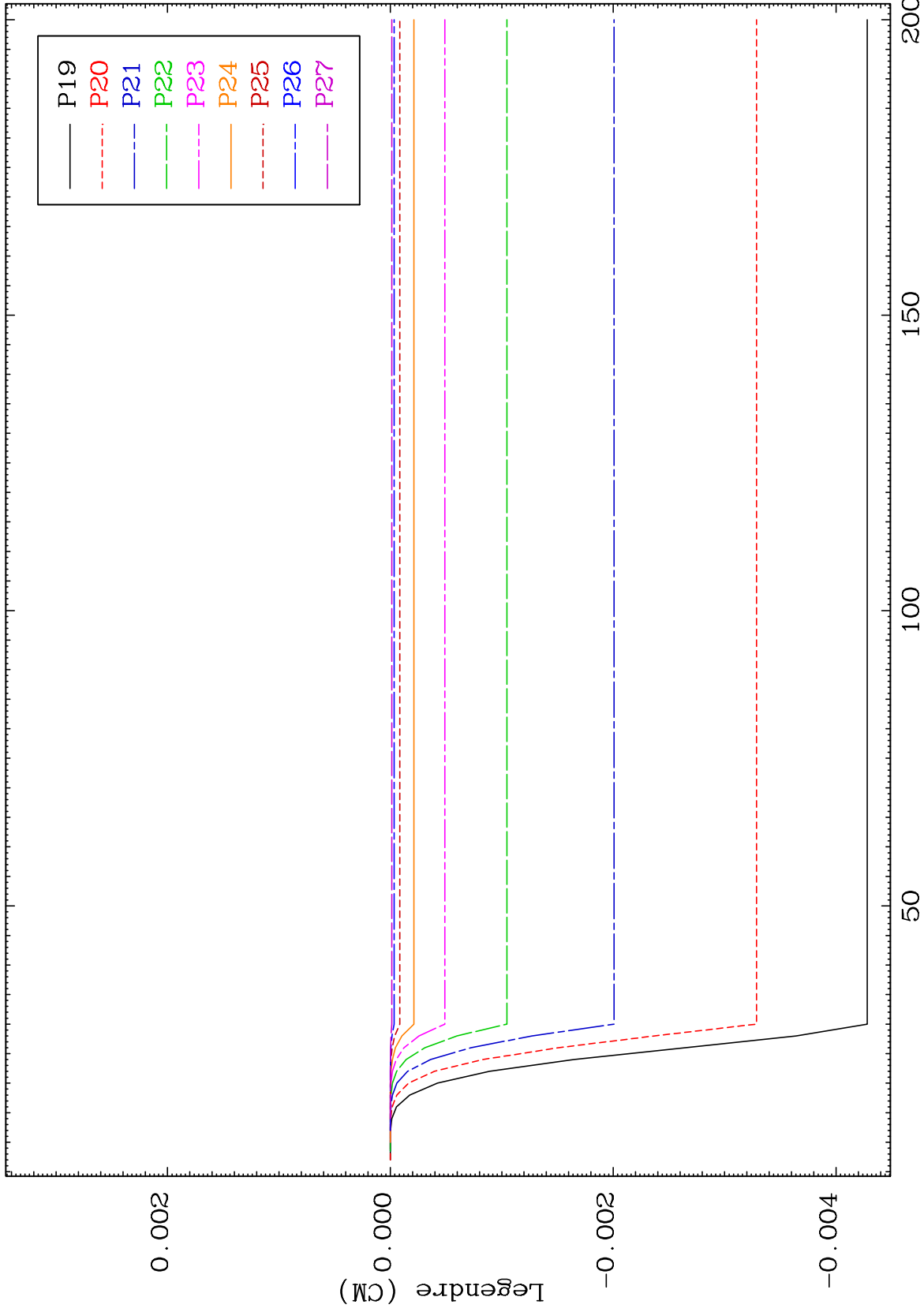
112



MAT 5846

1.629 MeV (n,n') Level
Legendre Coefficients

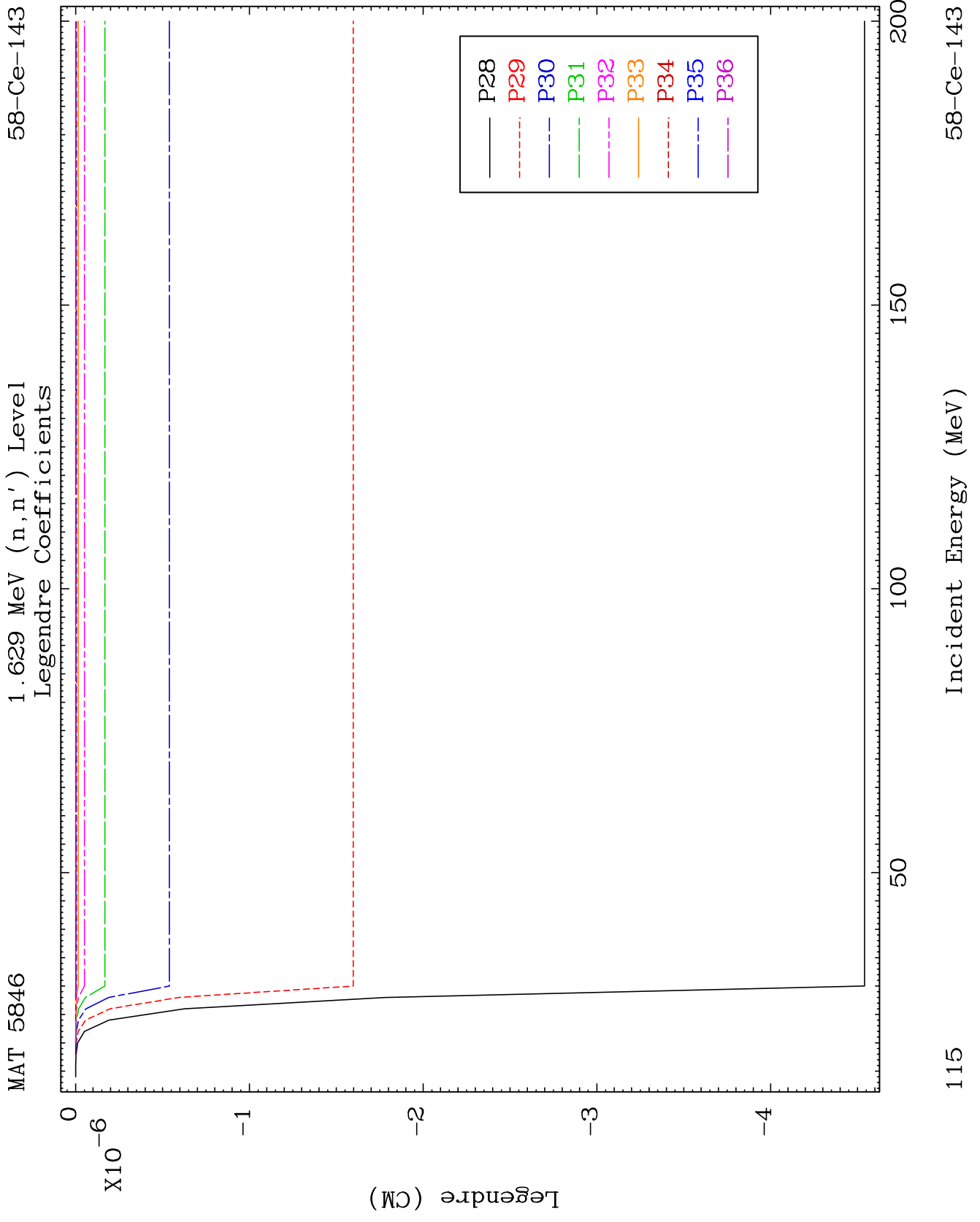
58-Ce-143



114

Incident Energy (MeV)

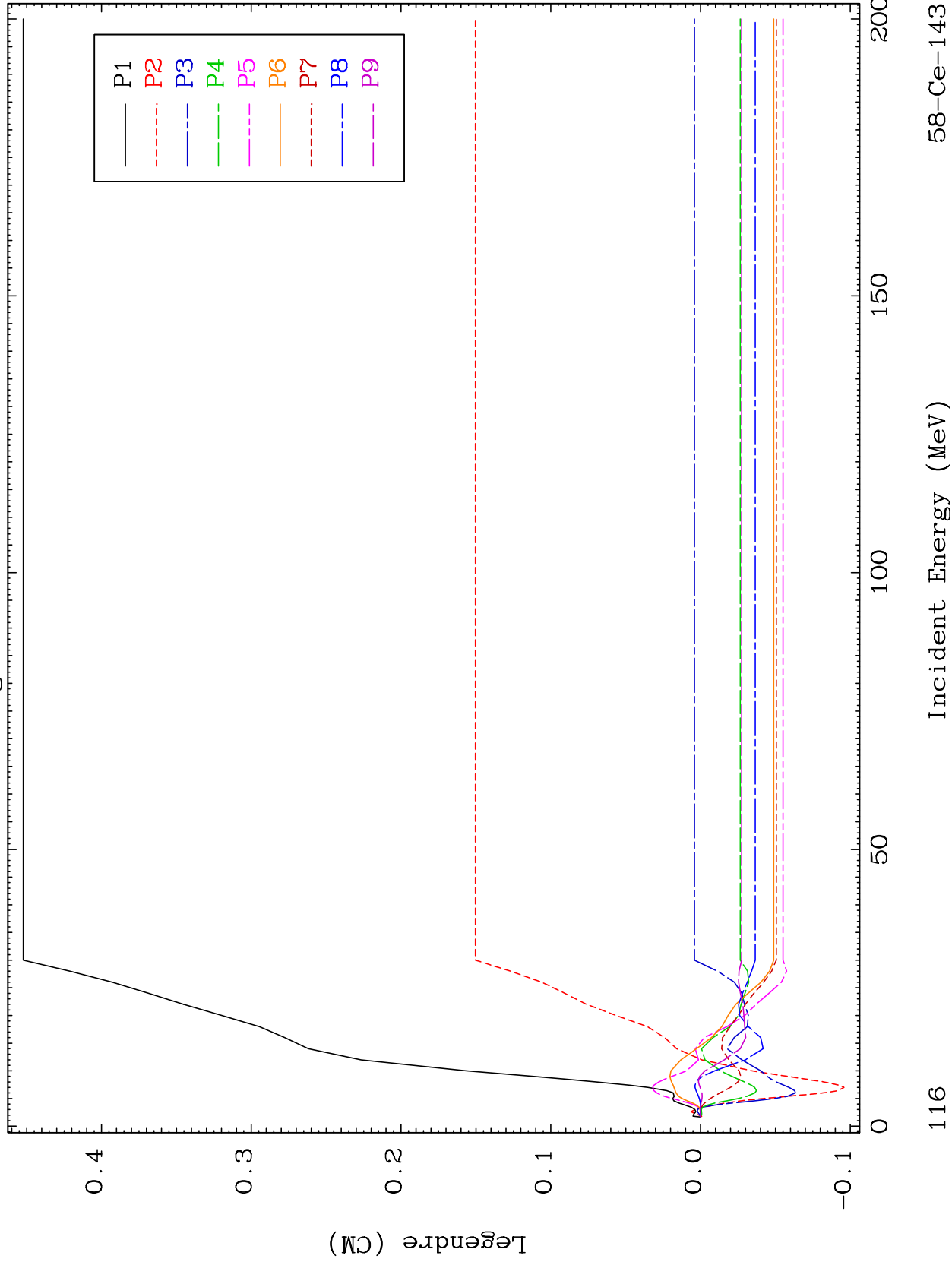
58-Ce-143



MAT 5846

1.635 MeV (n,n') Level
Legendre Coefficients

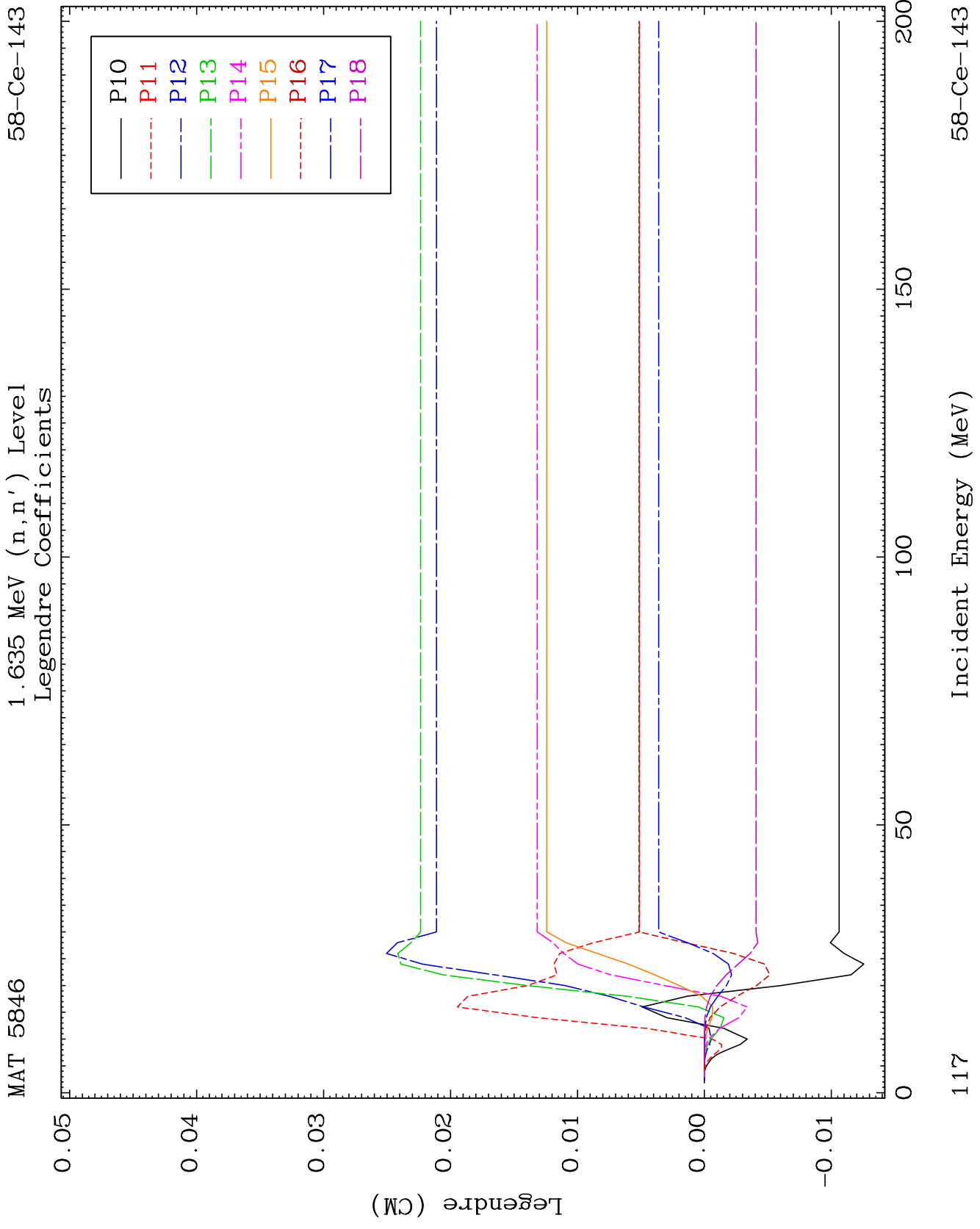
58-Ce-143



58-Ce-143

Incident Energy (MeV)

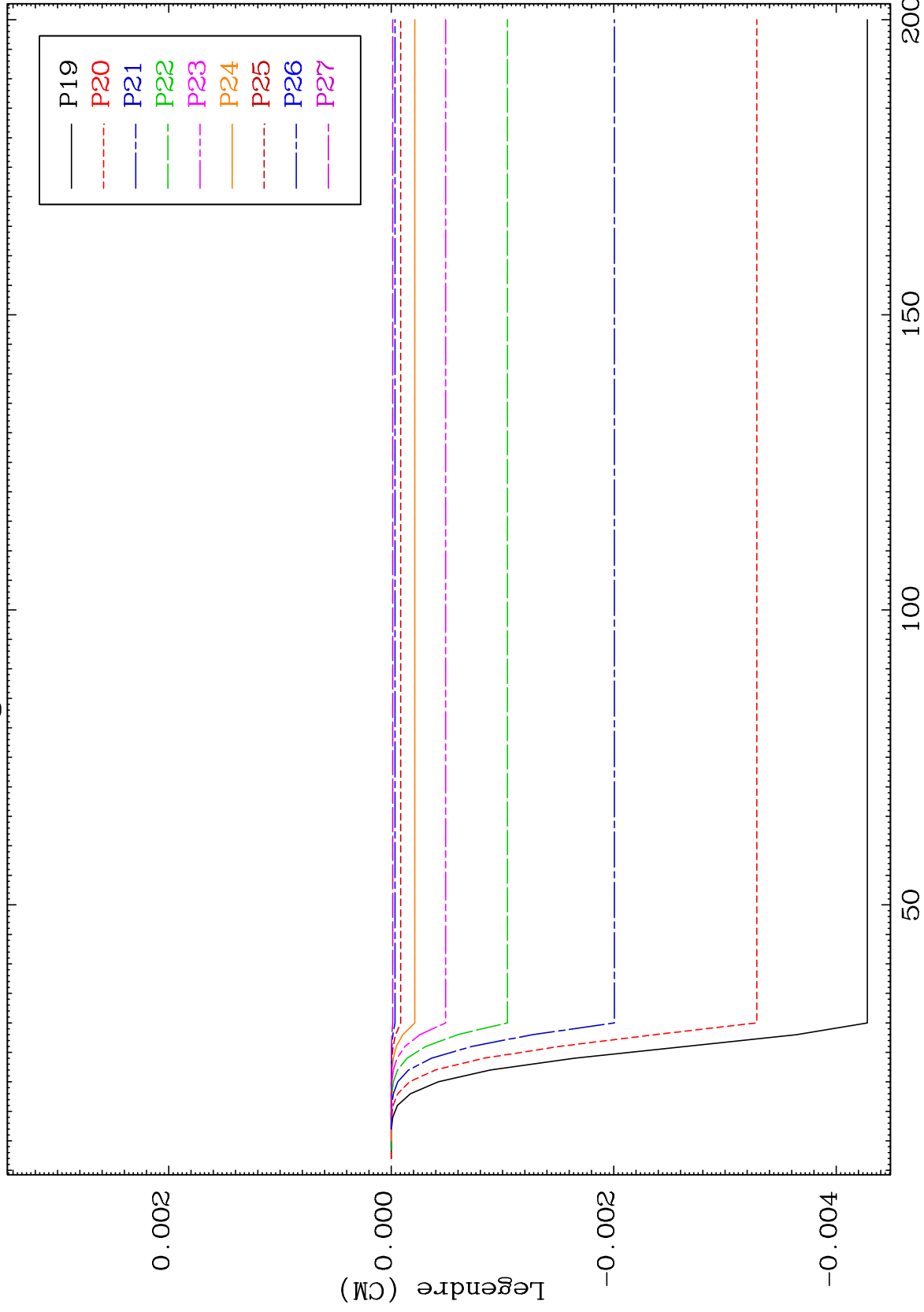
116



MAT 5846

1.635 MeV (n,n') Level
Legendre Coefficients

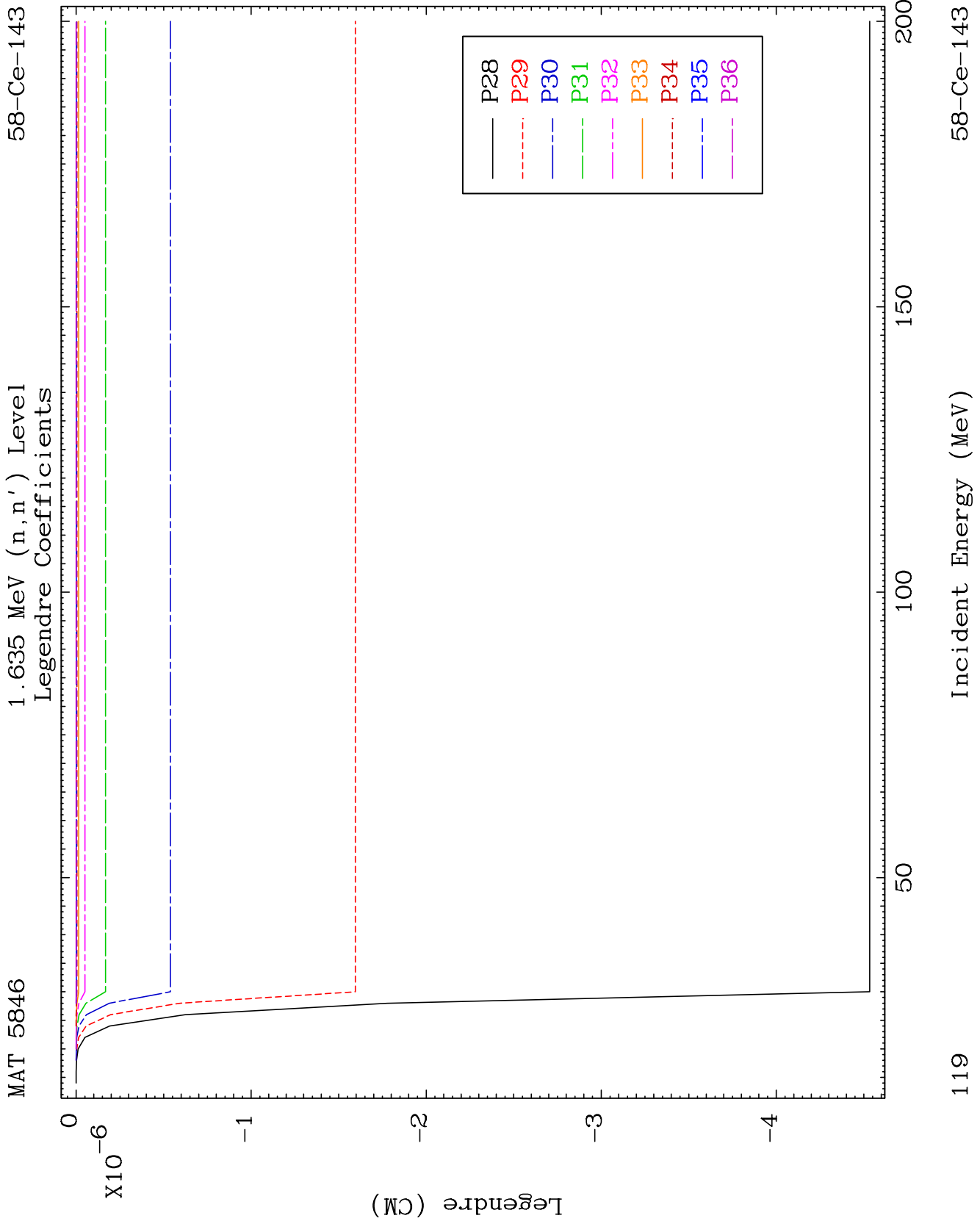
58-Ce-143

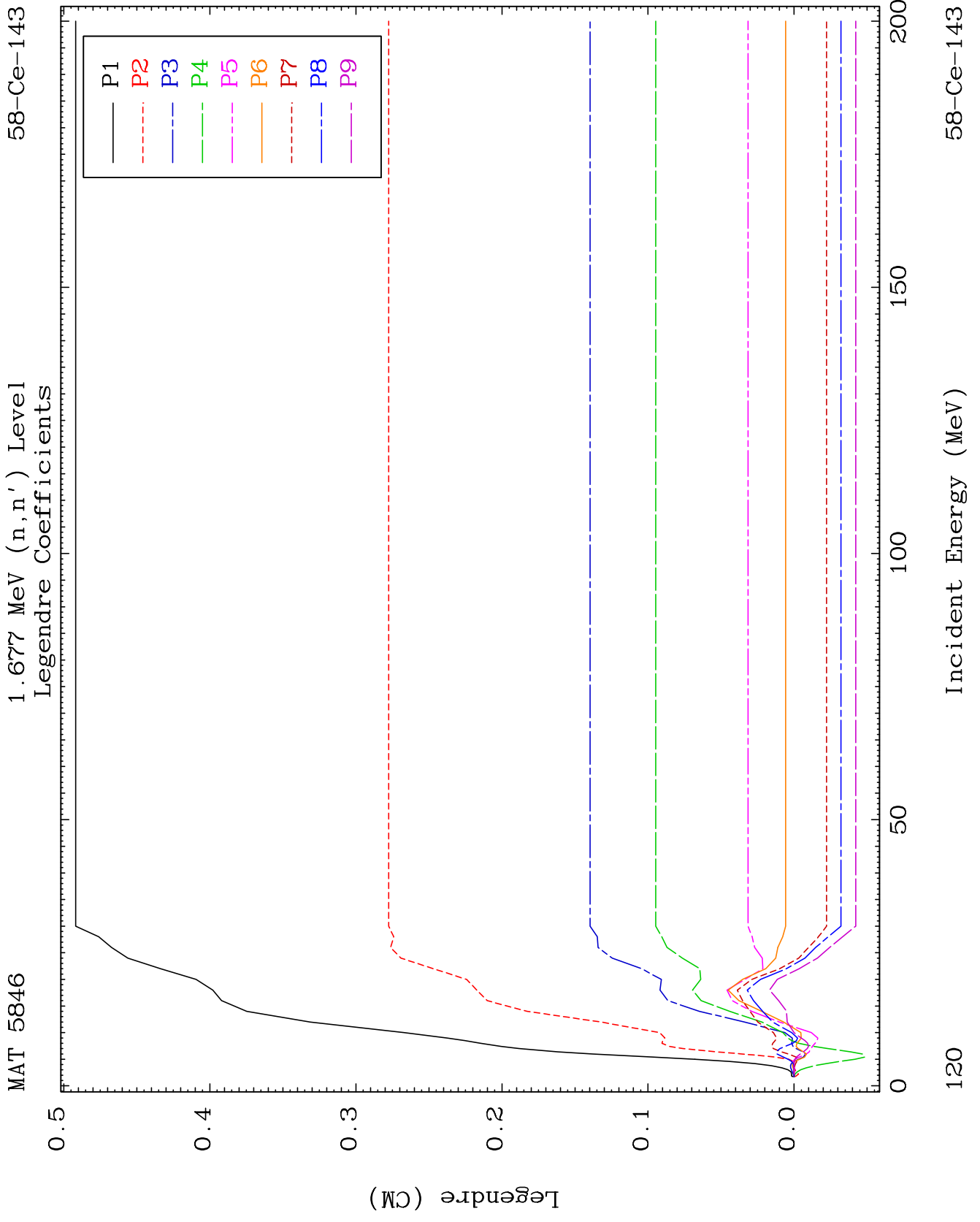


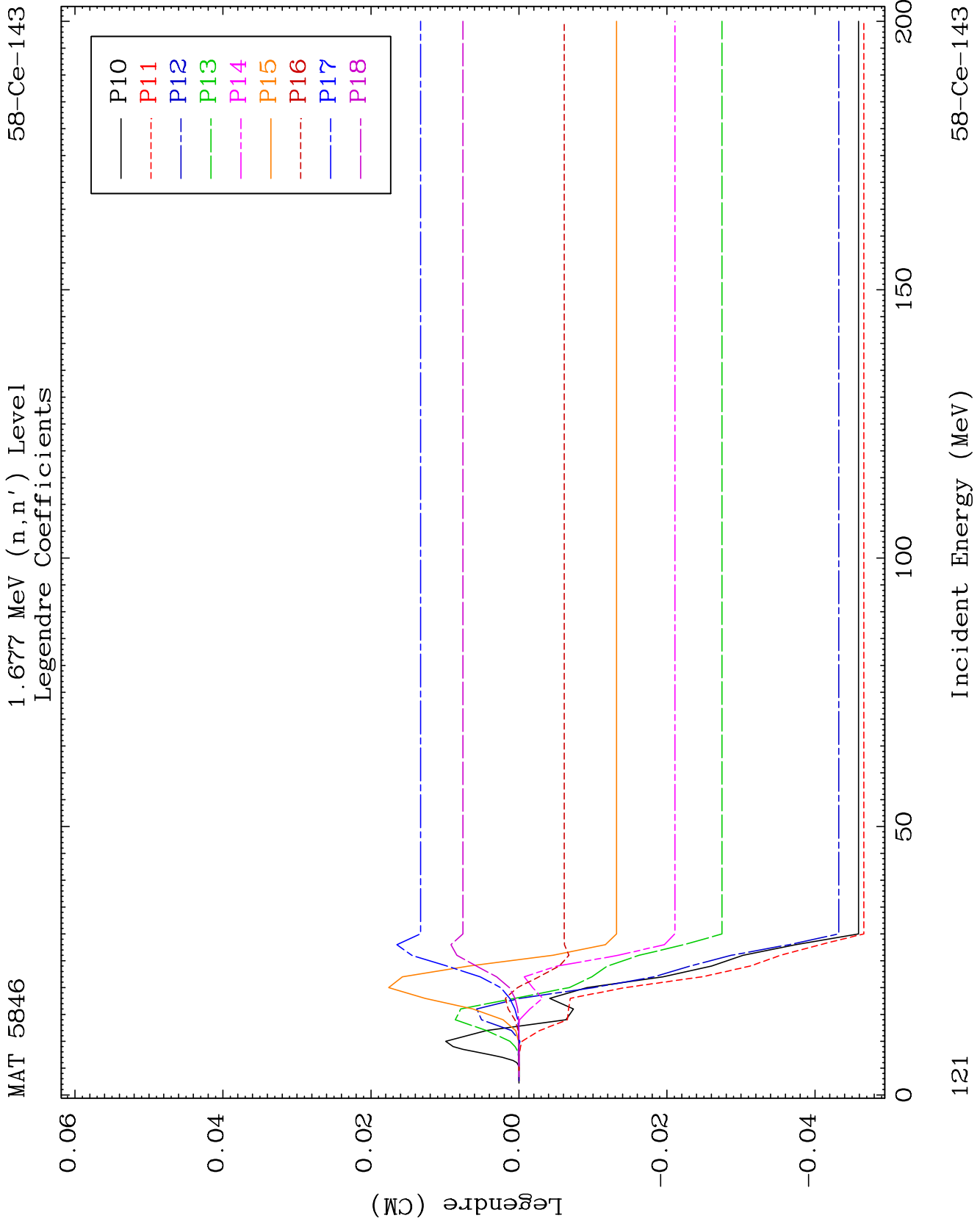
118

Incident Energy (MeV)

58-Ce-143



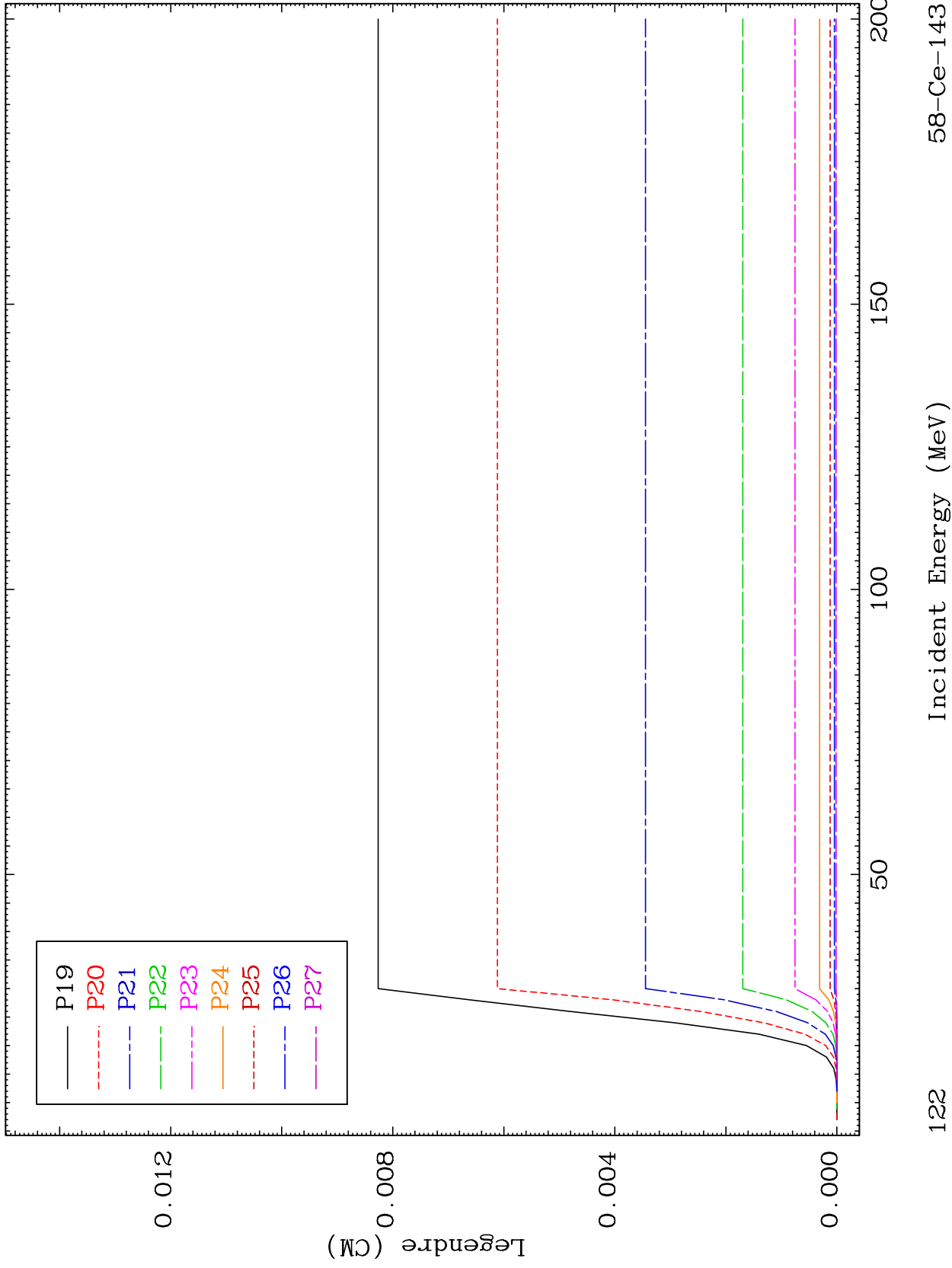




MAT 5846

1.677 MeV (n,n') Level
Legendre Coefficients

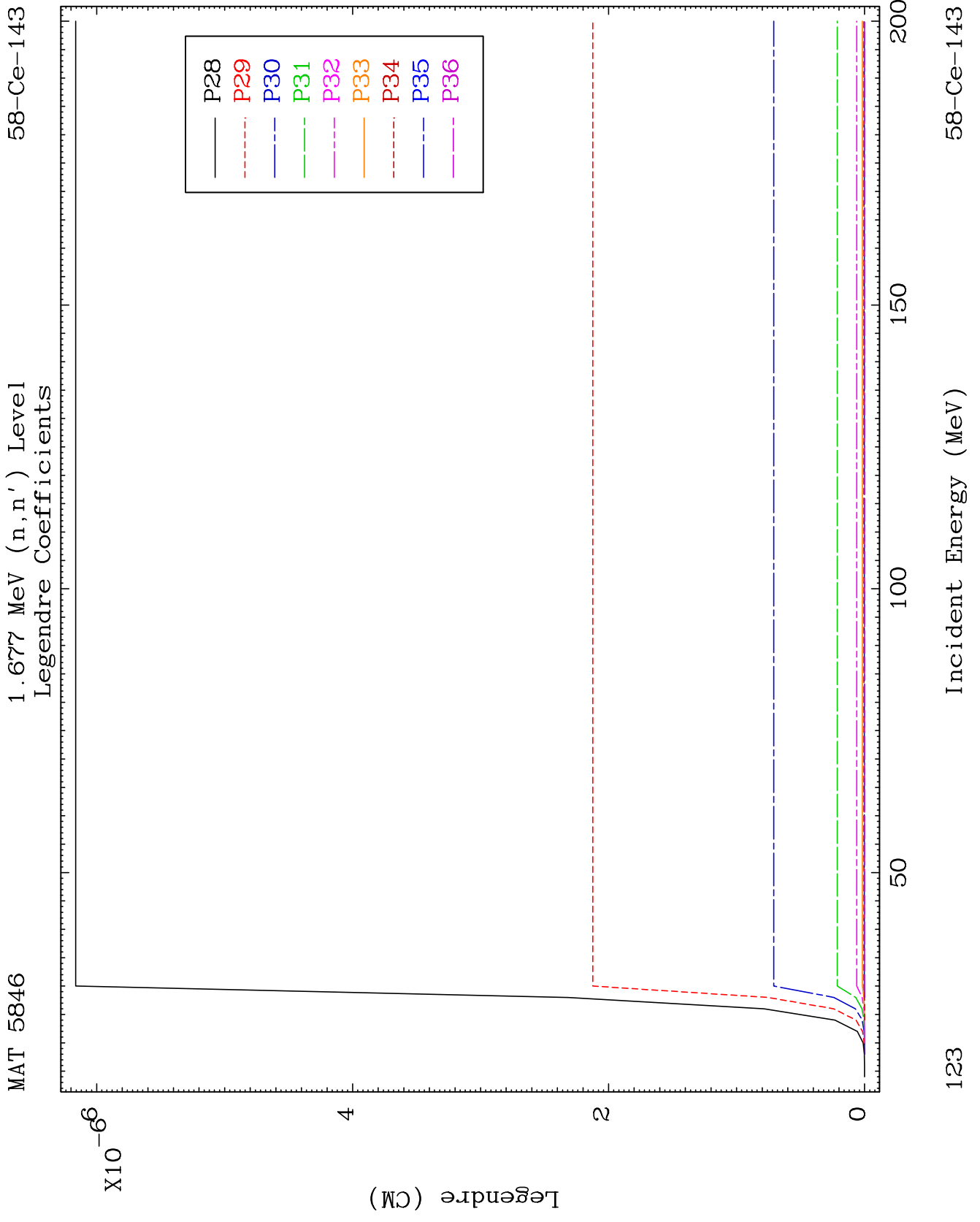
58-Ce-143

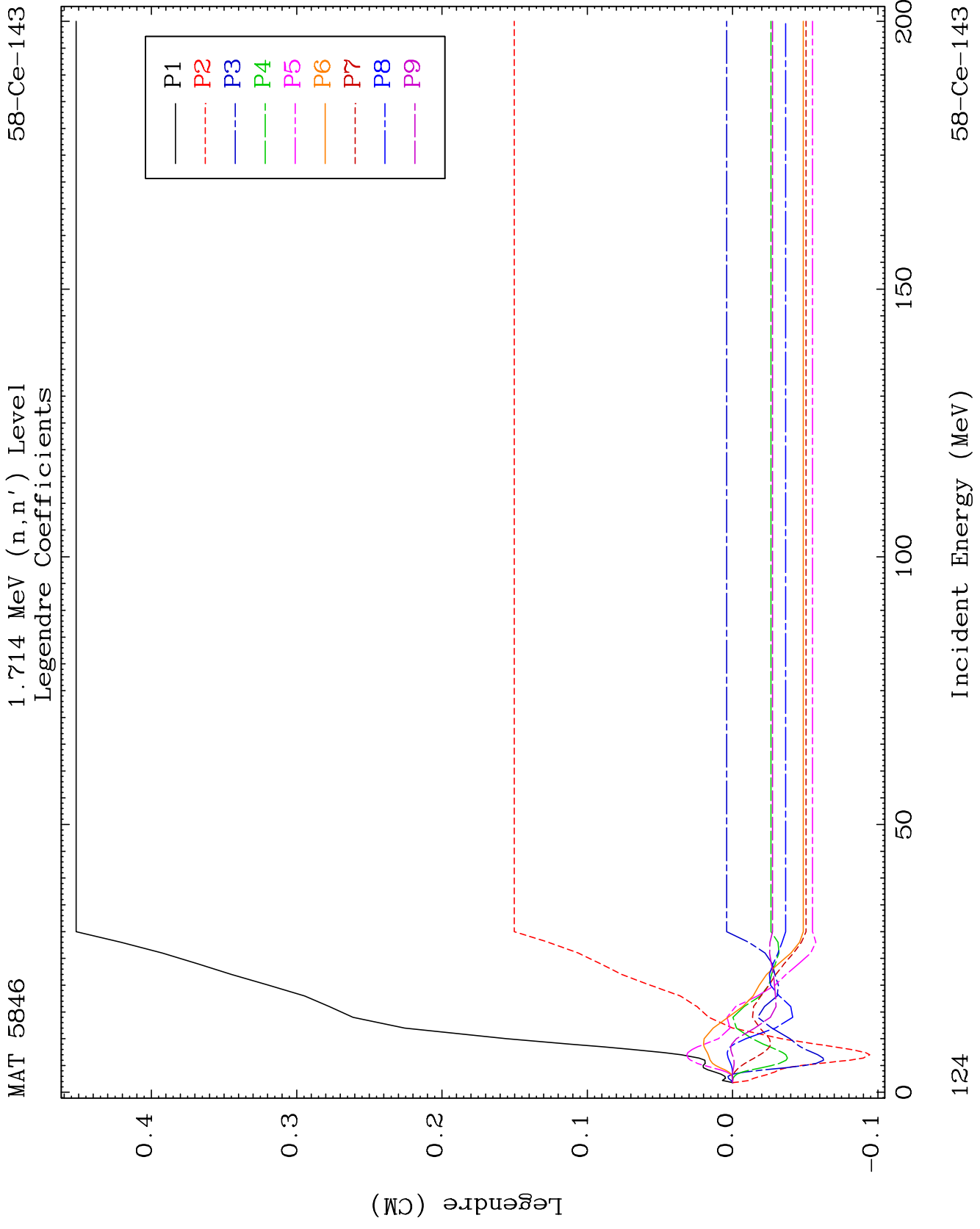


122

Incident Energy (MeV)

58-Ce-143

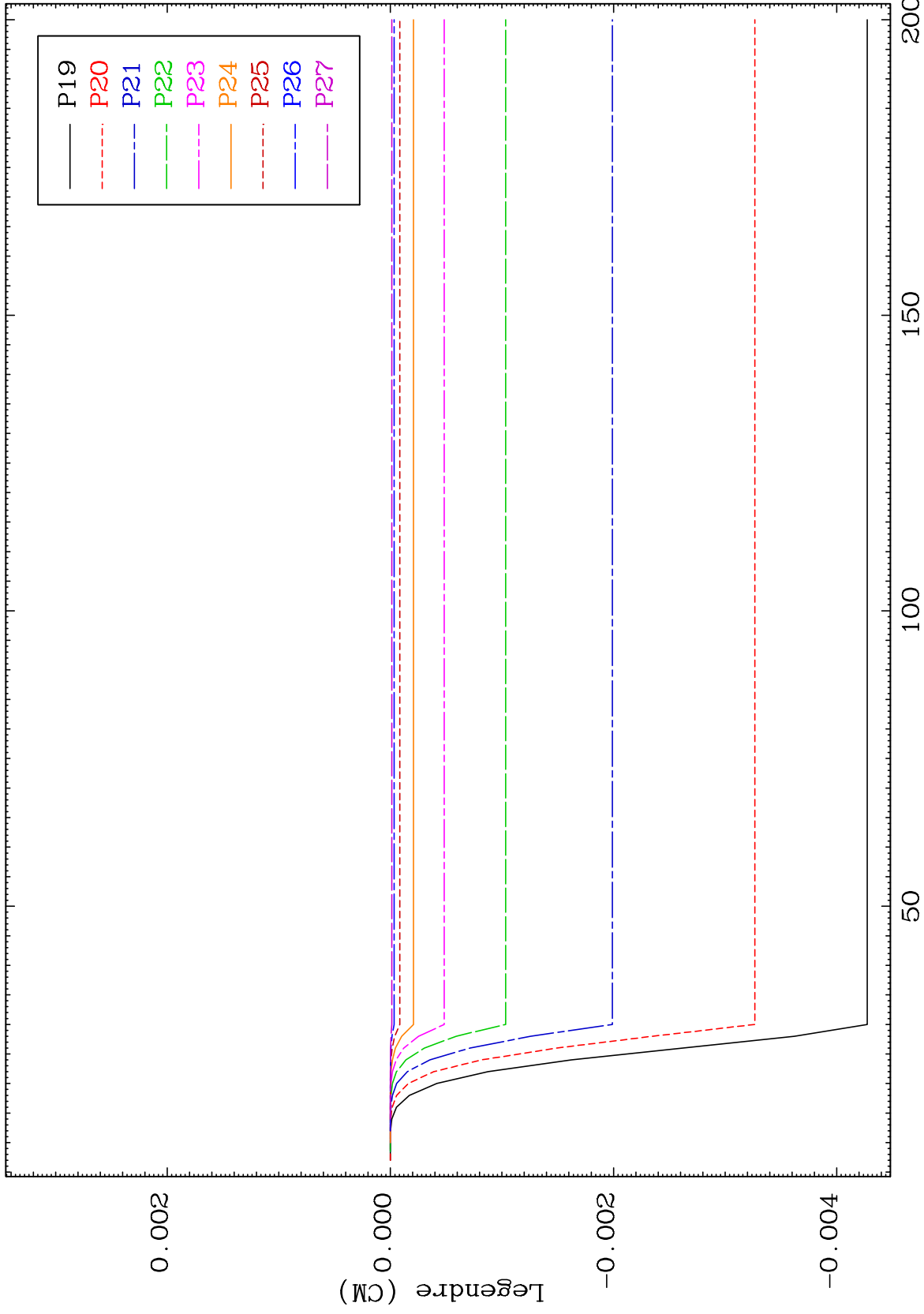




MAT 5846

1.714 MeV (n,n') Level
Legendre Coefficients

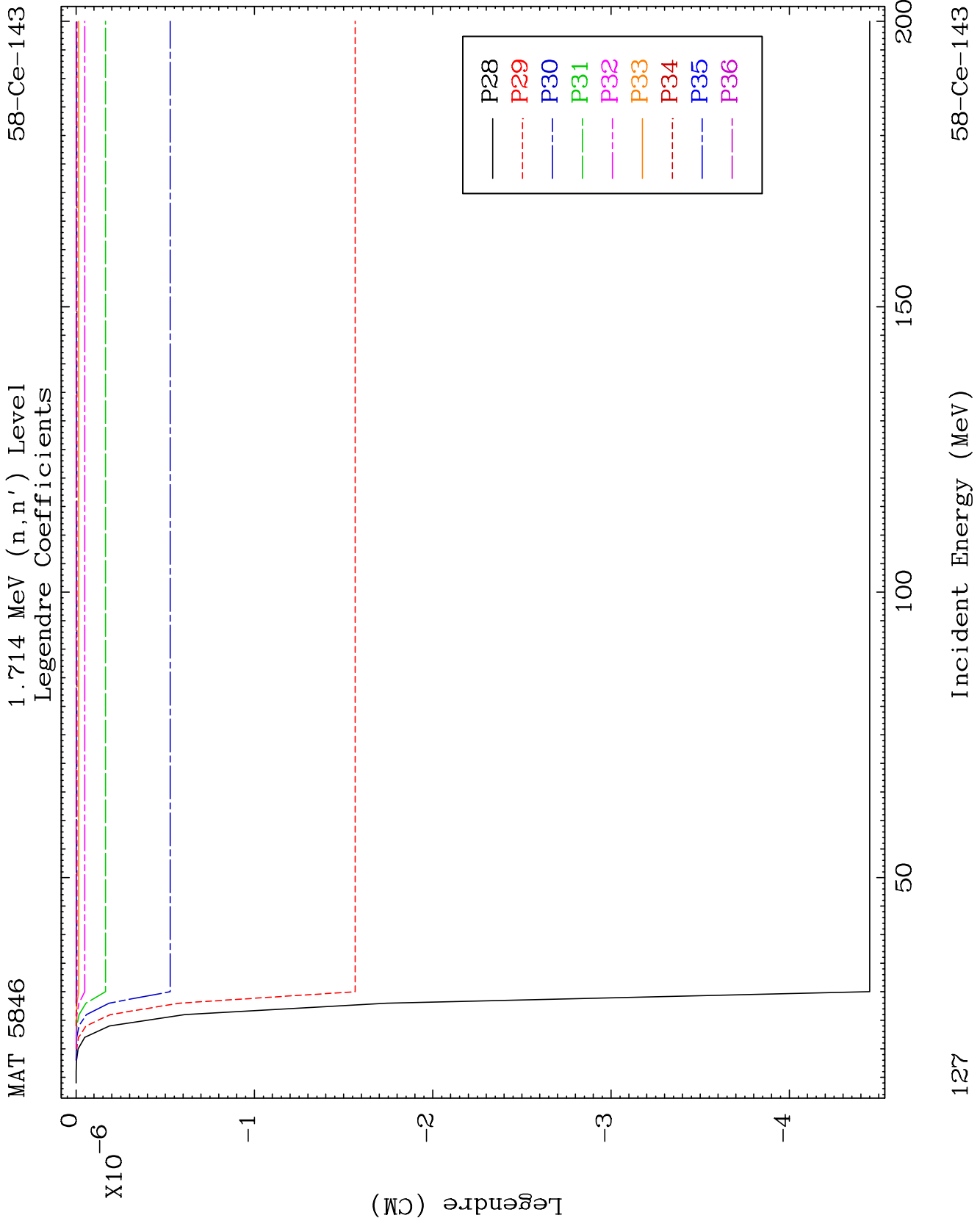
58-Ce-143



126

Incident Energy (MeV)

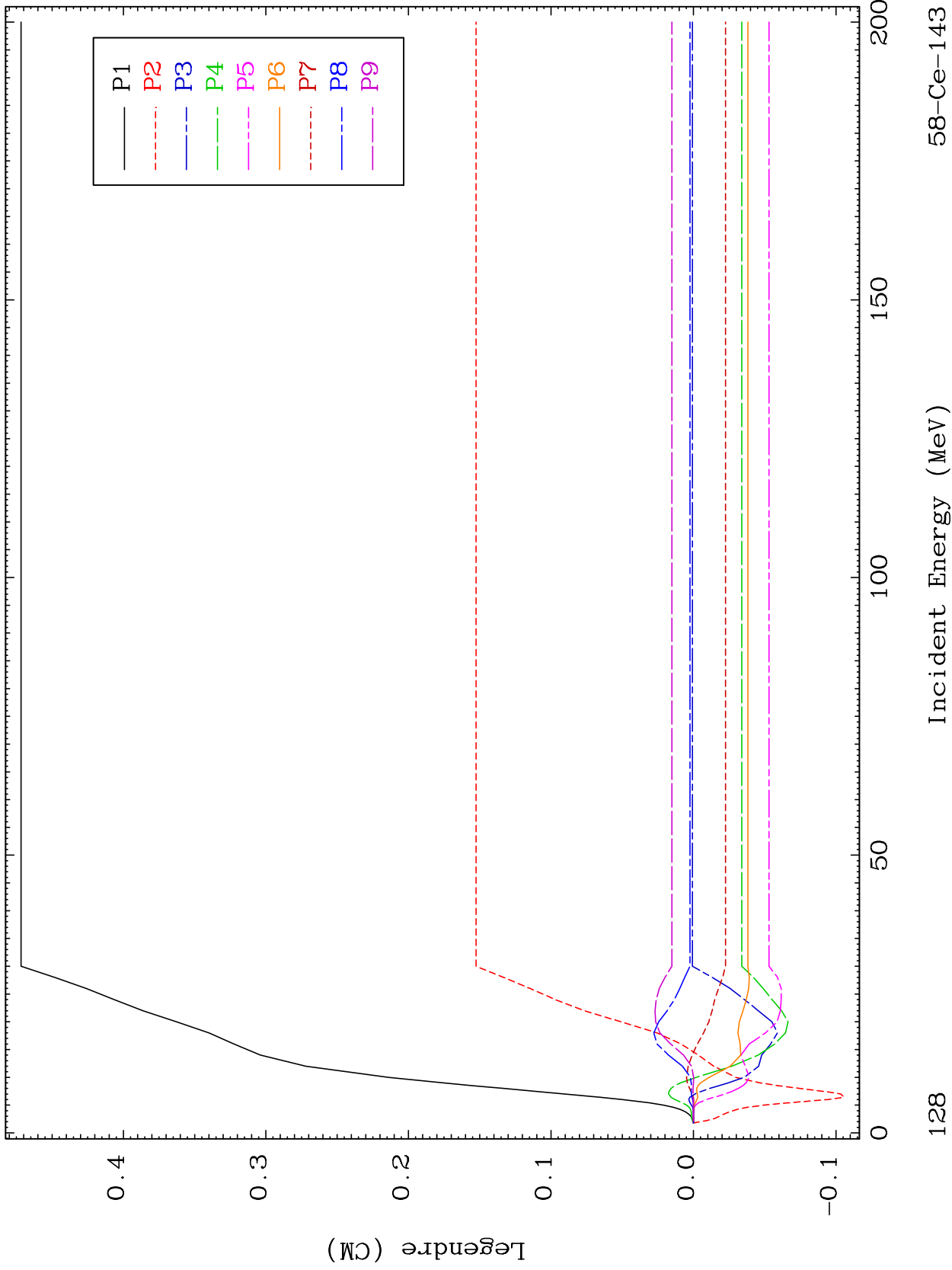
58-Ce-143



MAT 5846

1.727 MeV (n,n') Level
Legendre Coefficients

58-Ce-143



128

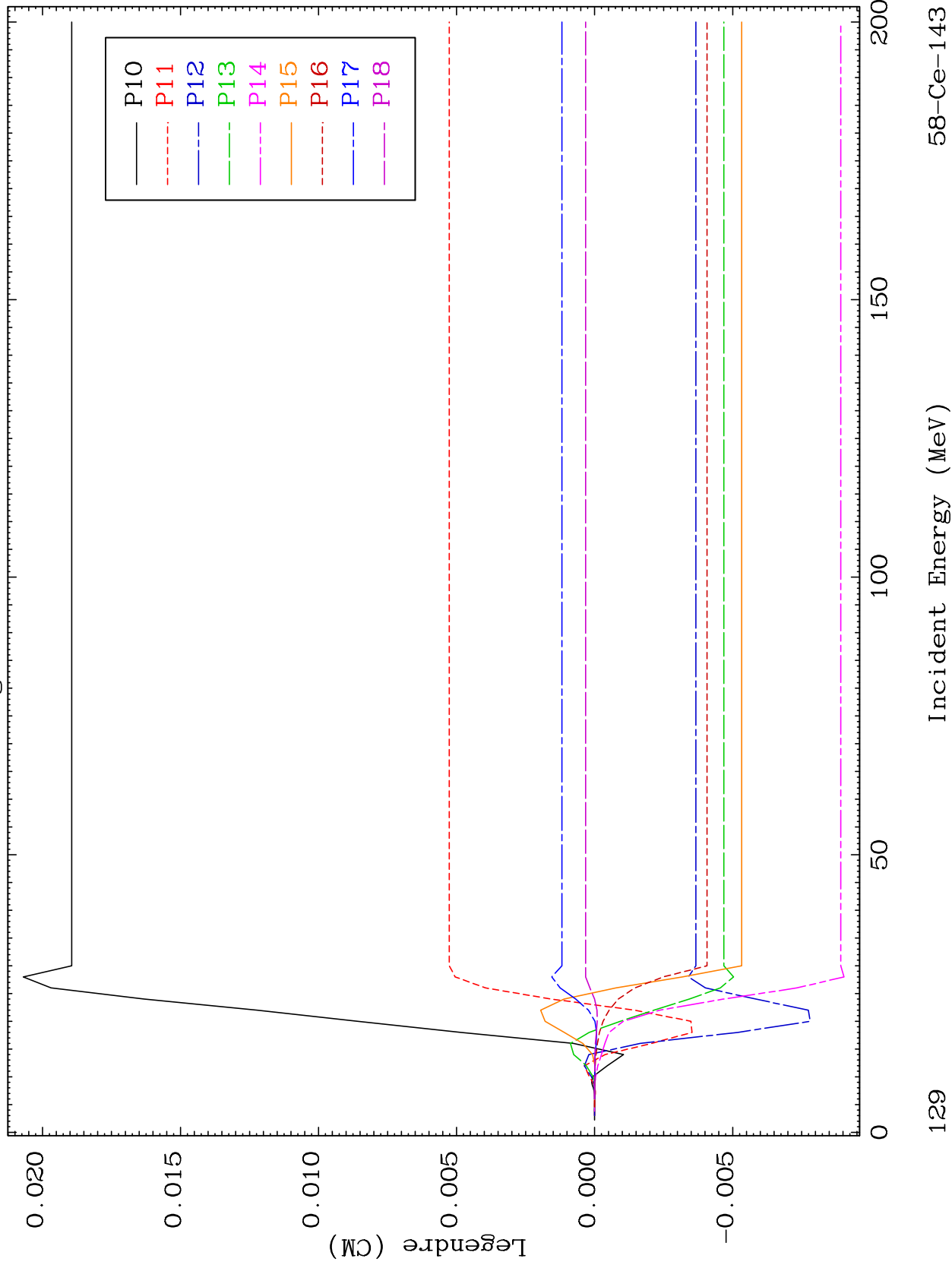
Incident Energy (MeV)

58-Ce-143

MAT 5846

1.727 MeV (n,n') Level
Legendre Coefficients

58-Ce-143



129

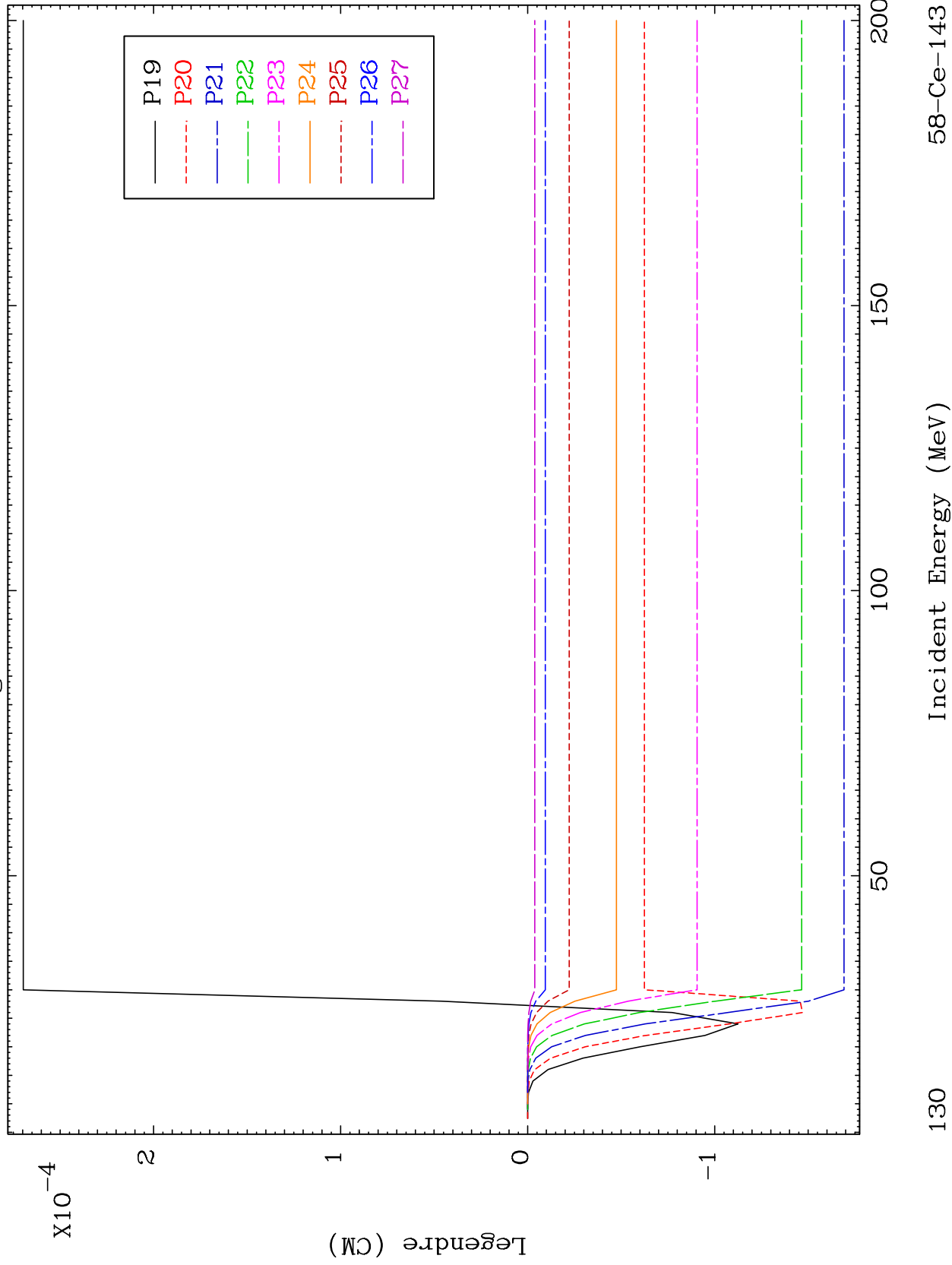
Incident Energy (MeV)

58-Ce-143

MAT 5846

1.727 MeV (n, n') Level
Legendre Coefficients

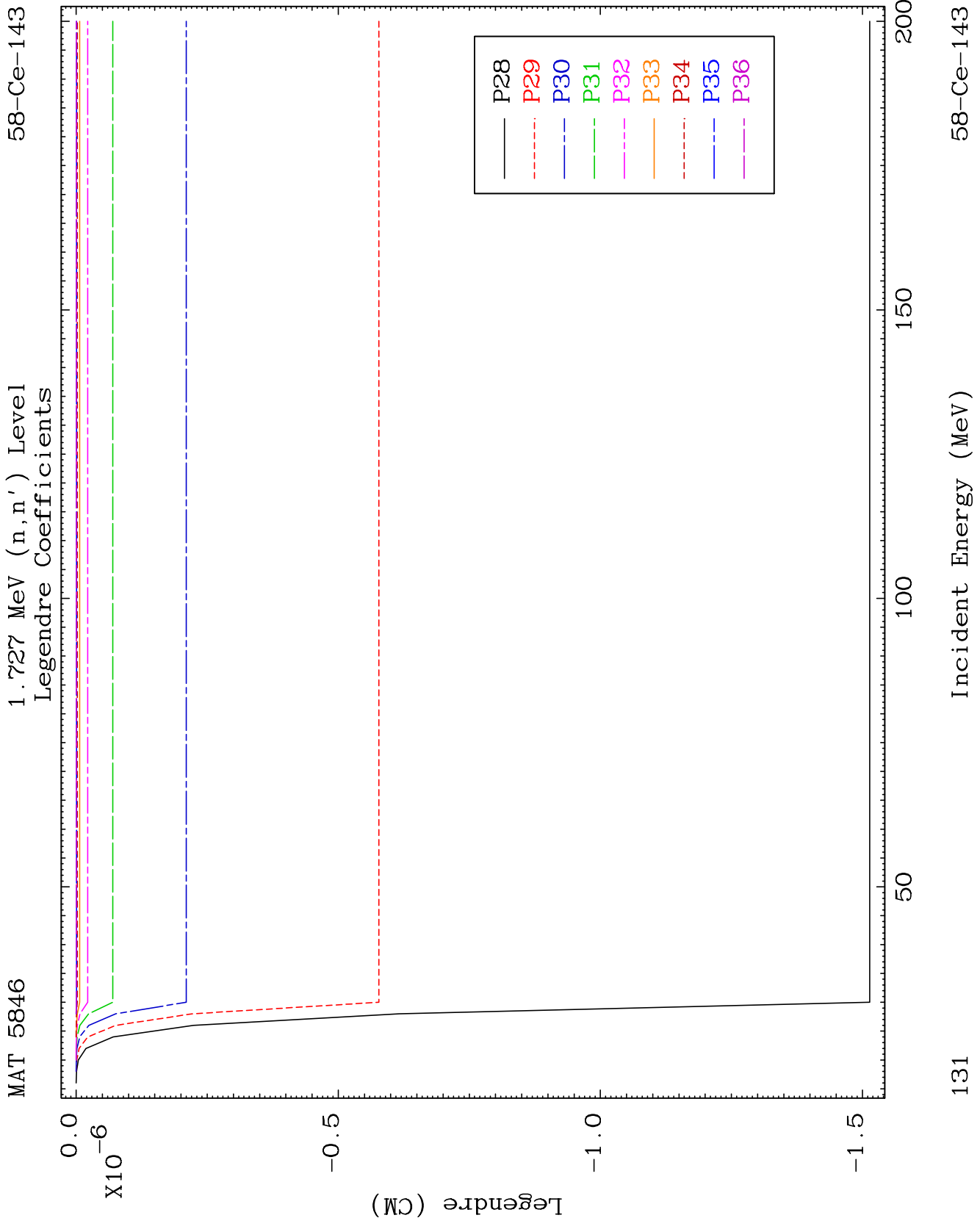
58-Ce-143

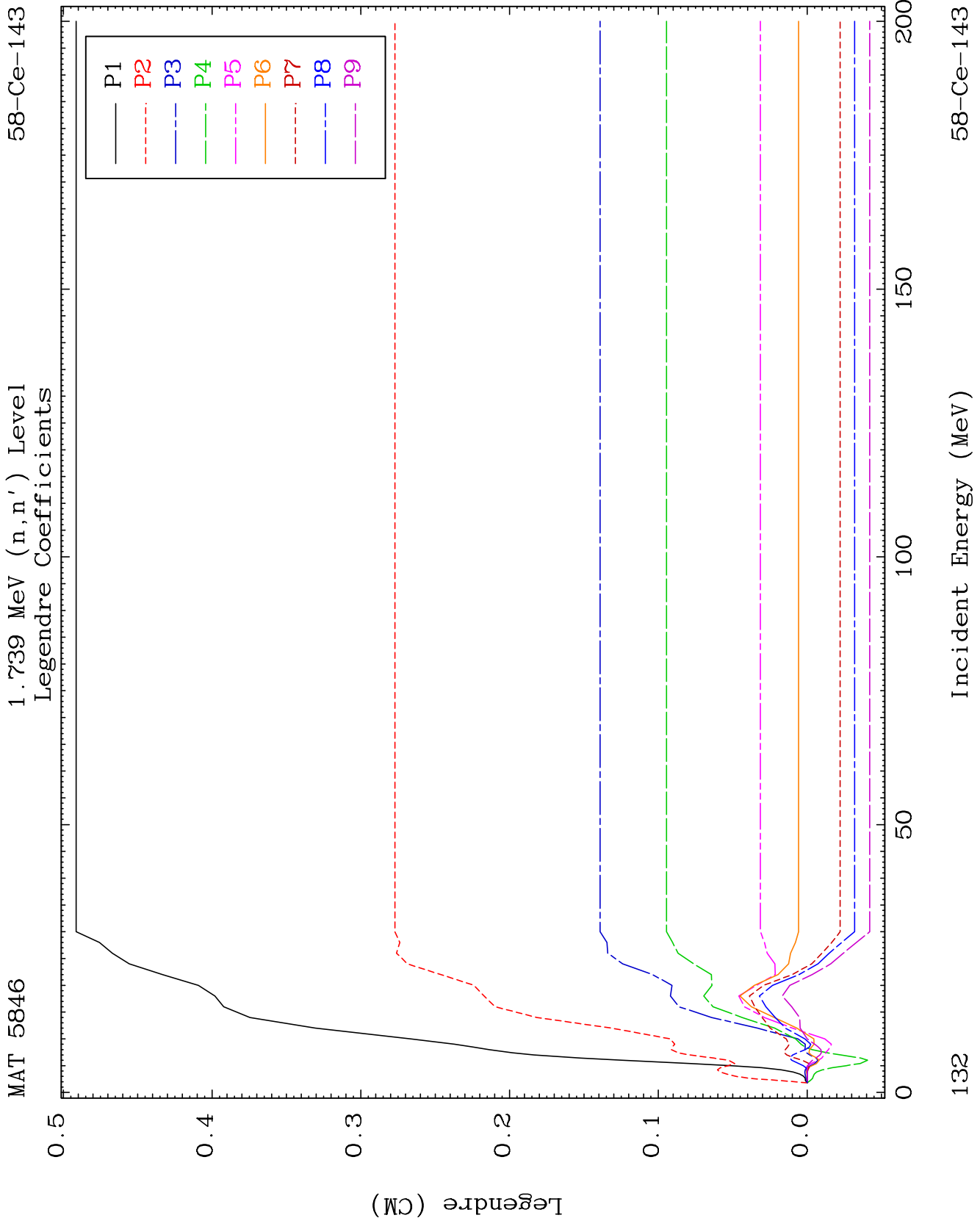


130

Incident Energy (MeV)

58-Ce-143

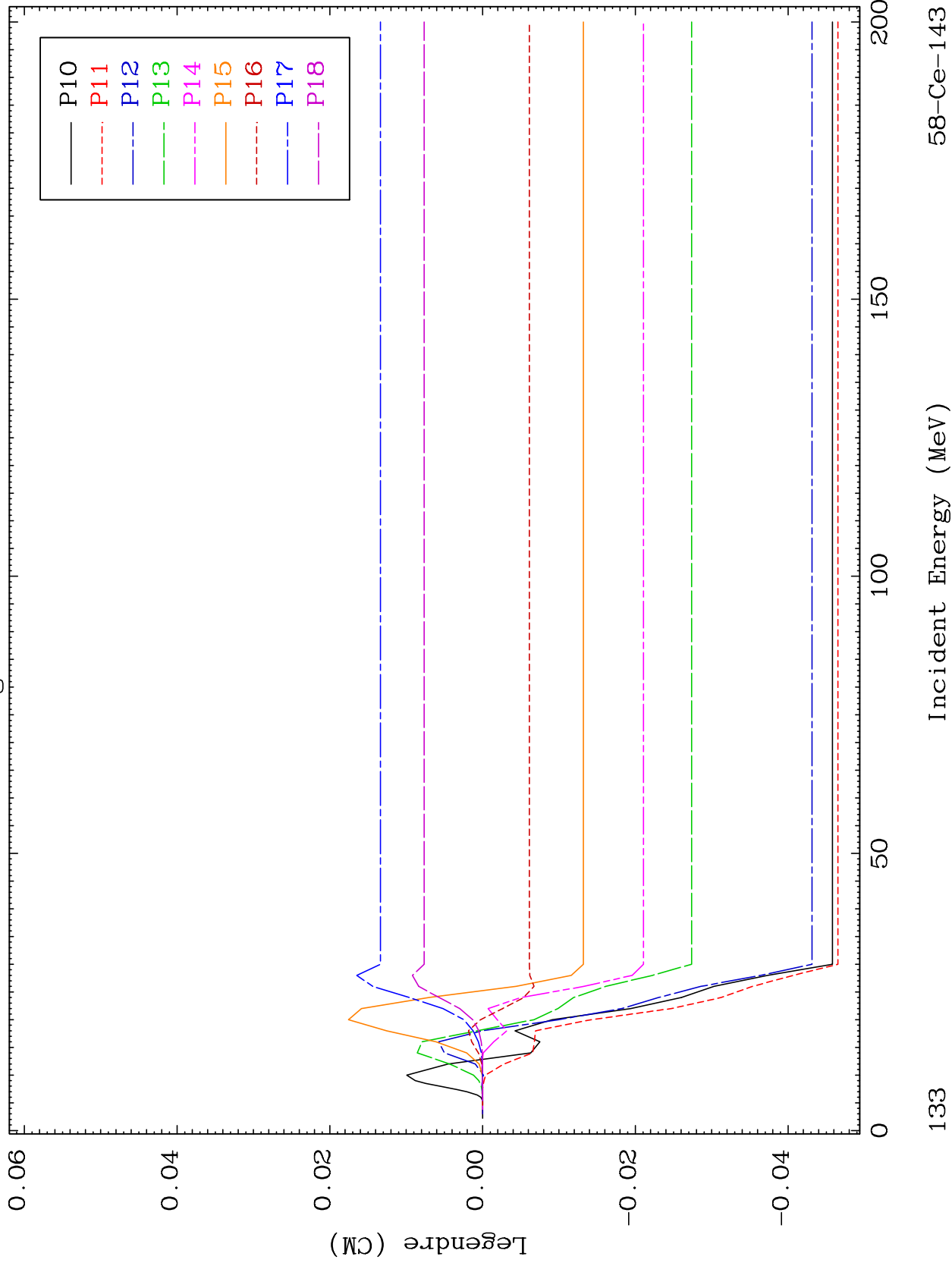




MAT 5846

1.739 MeV (n,n') Level
Legendre Coefficients

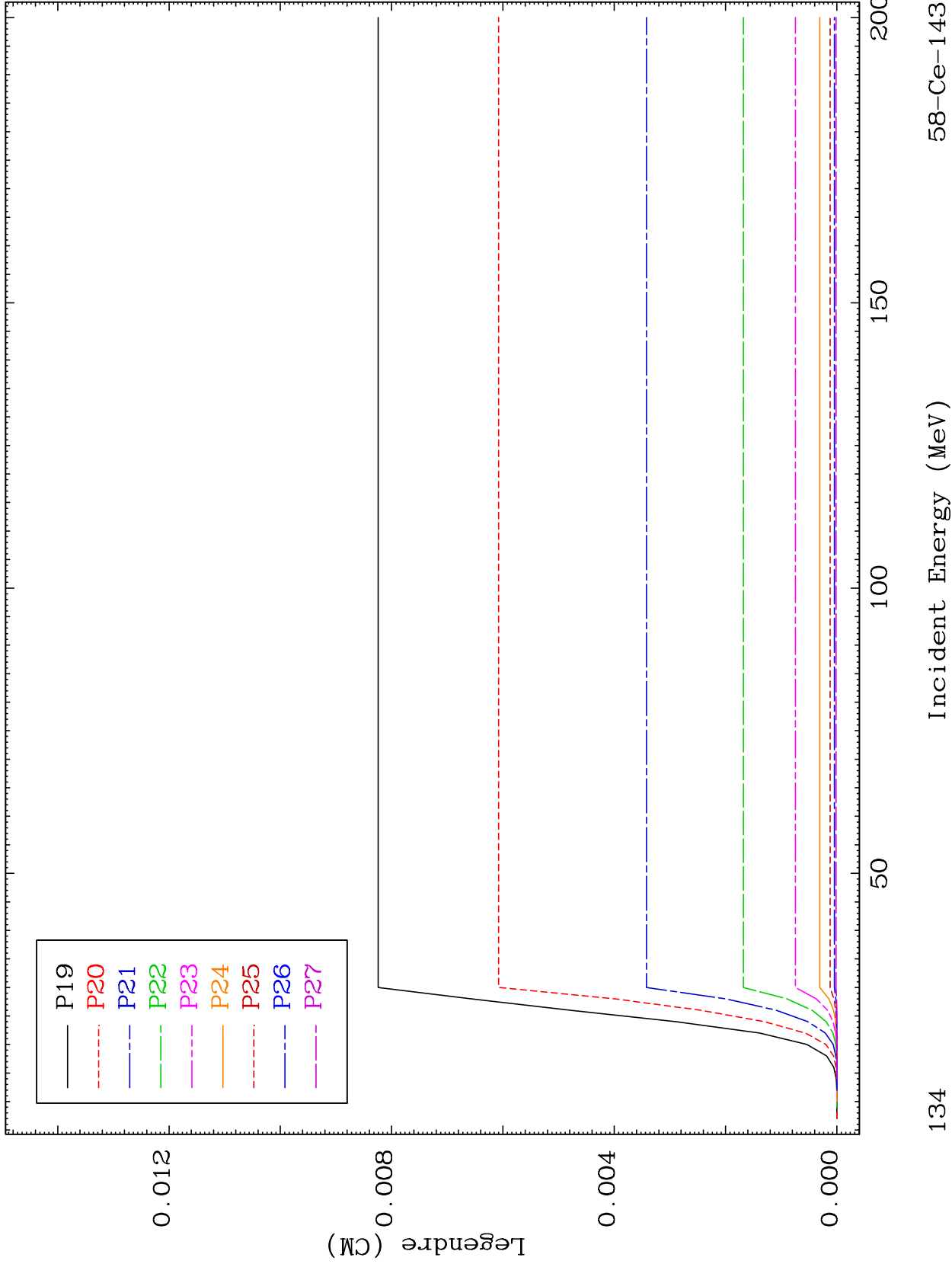
58-Ce-143



133

Incident Energy (MeV)

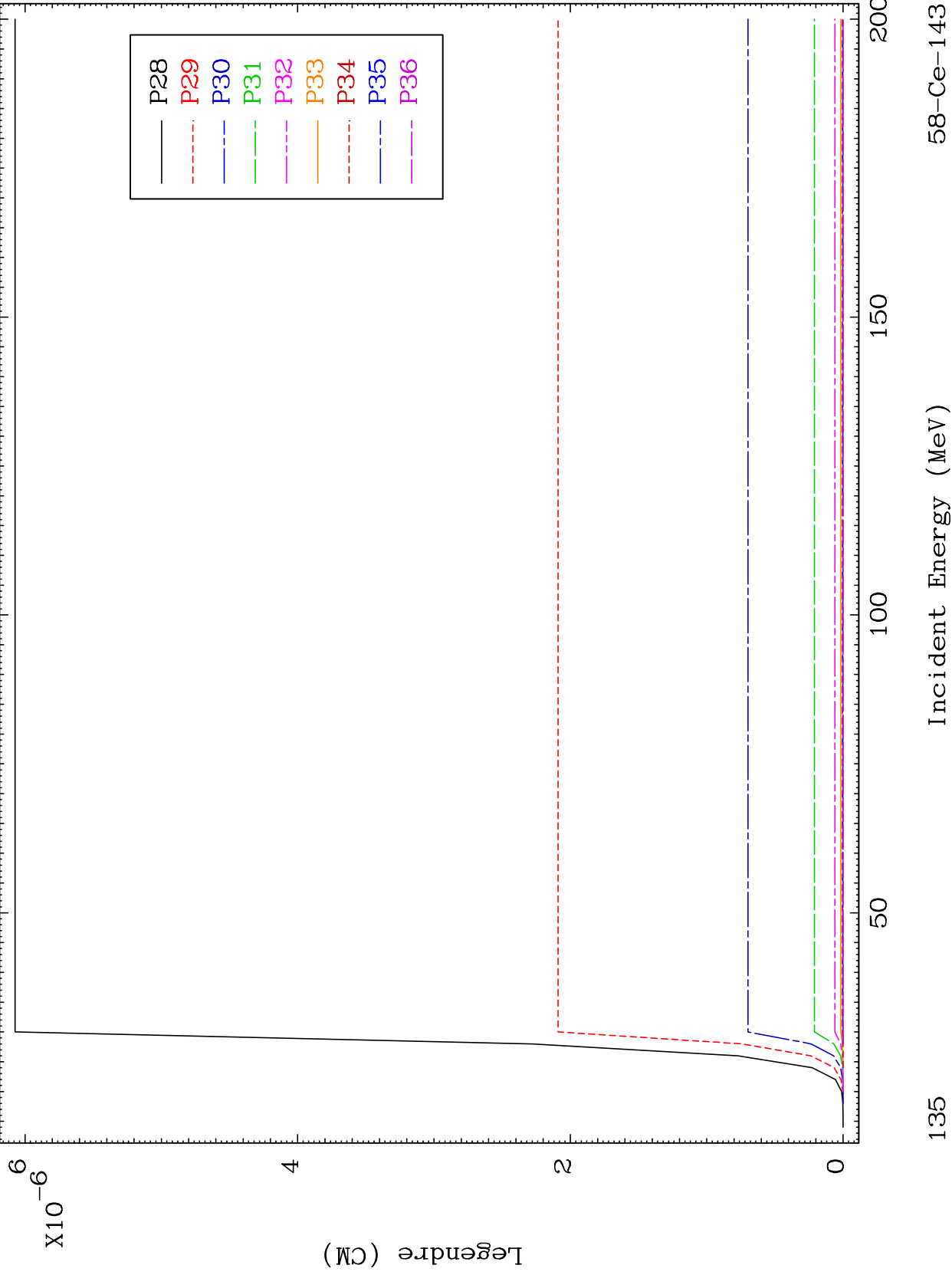
58-Ce-143



MAT 5846

1.739 MeV (n,n') Level
Legendre Coefficients

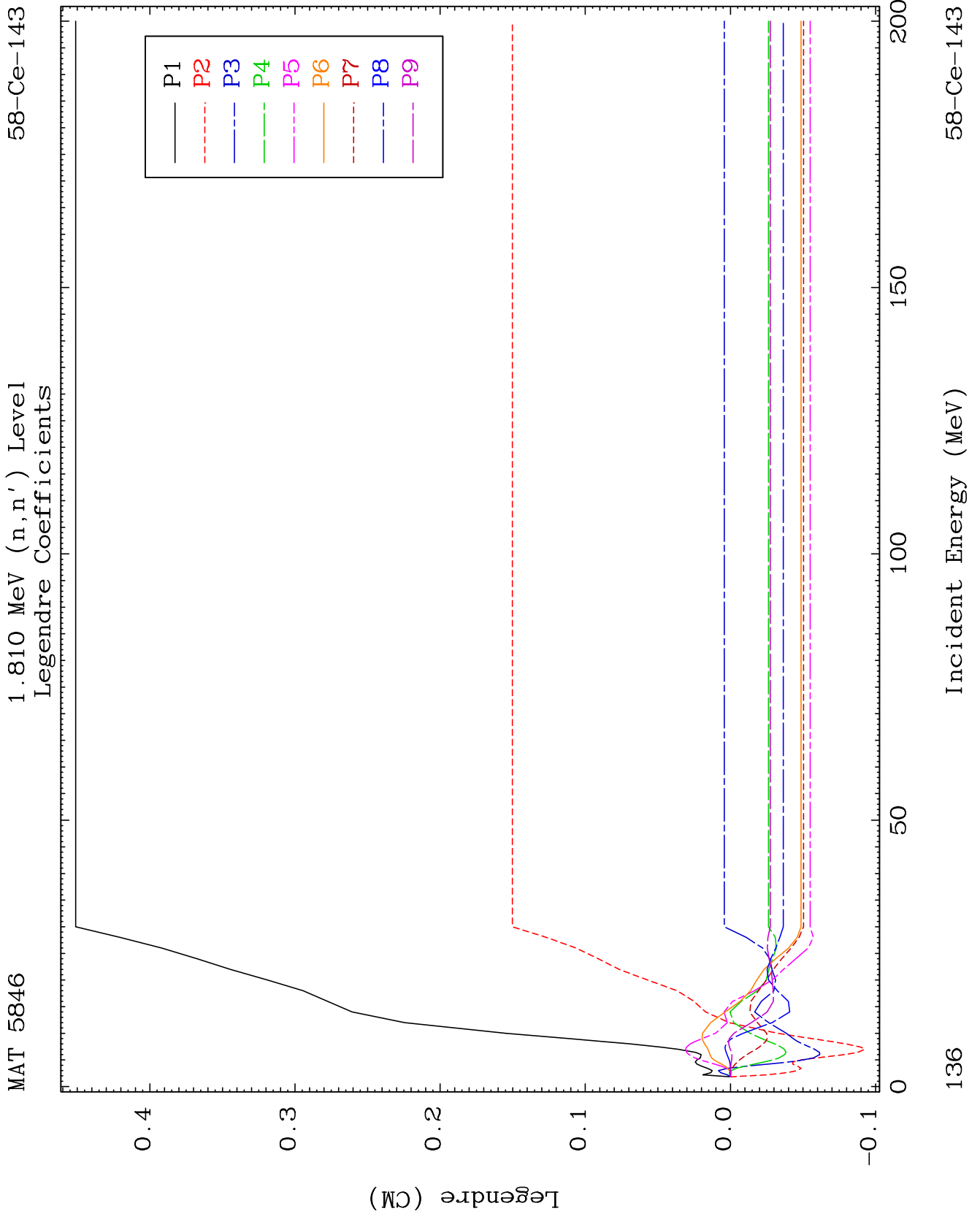
58-Ce-143



135

Incident Energy (MeV)

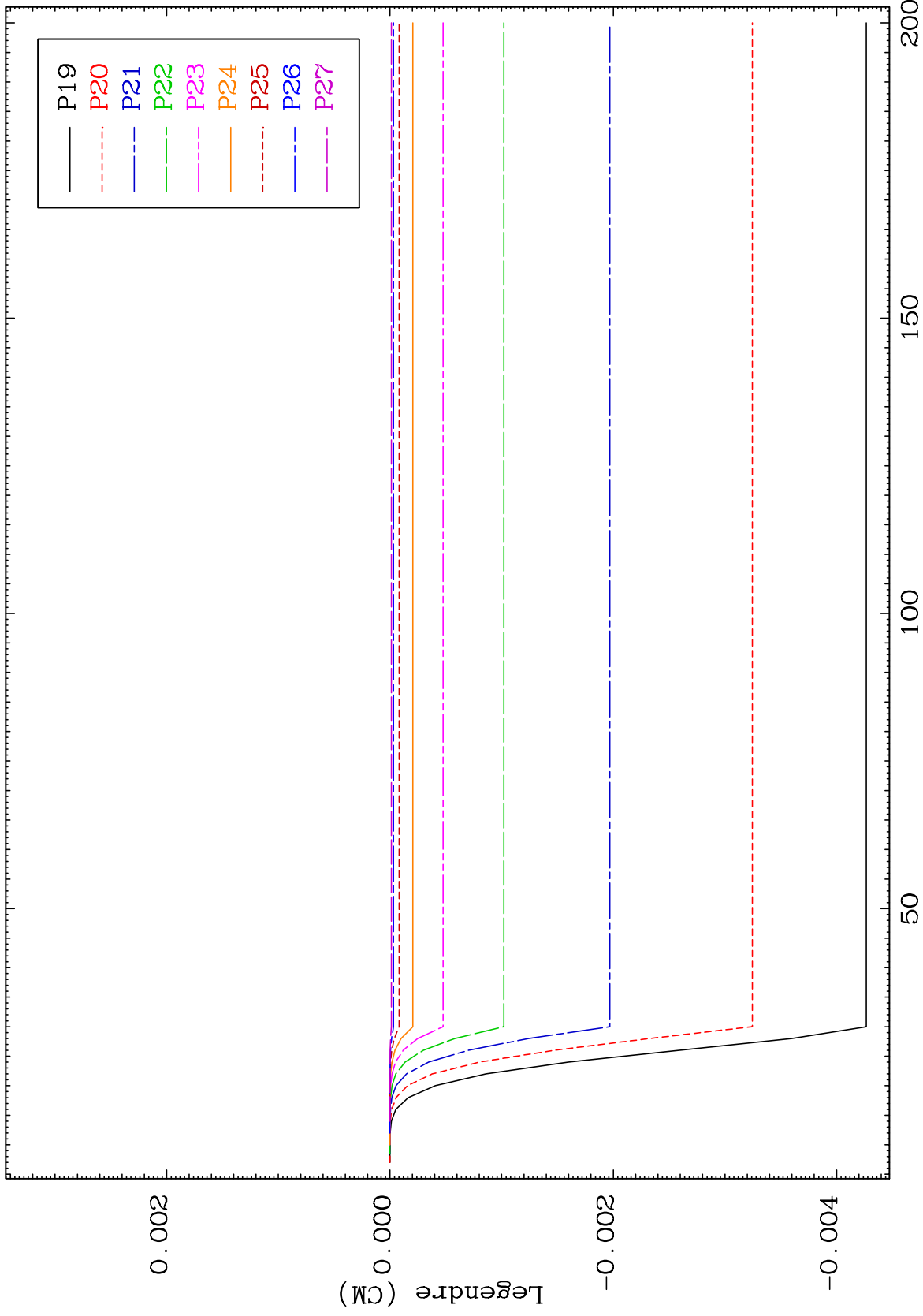
58-Ce-143



MAT 5846

1.810 MeV (n,n') Level
Legendre Coefficients

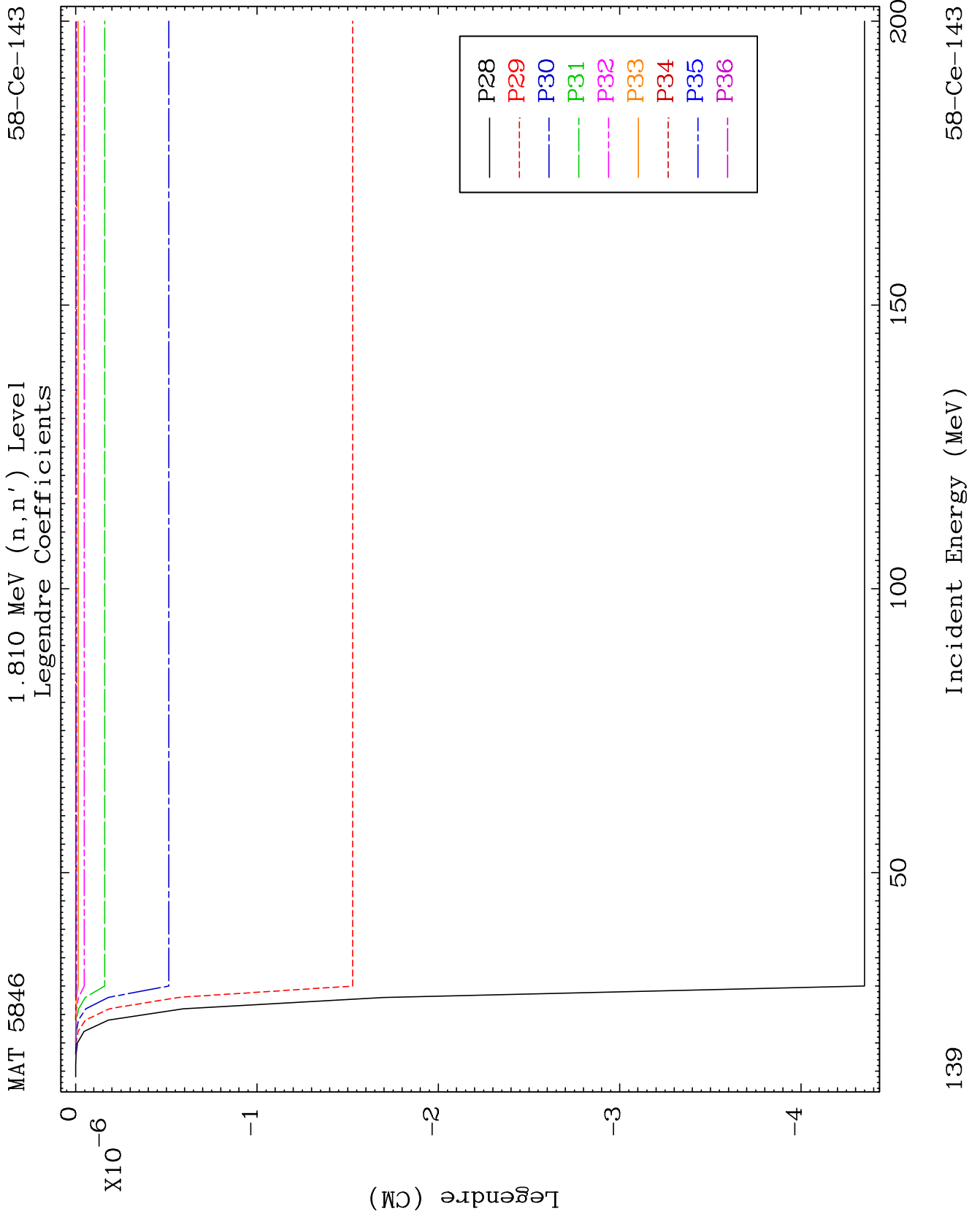
58-Ce-143



138

Incident Energy (MeV)

58-Ce-143

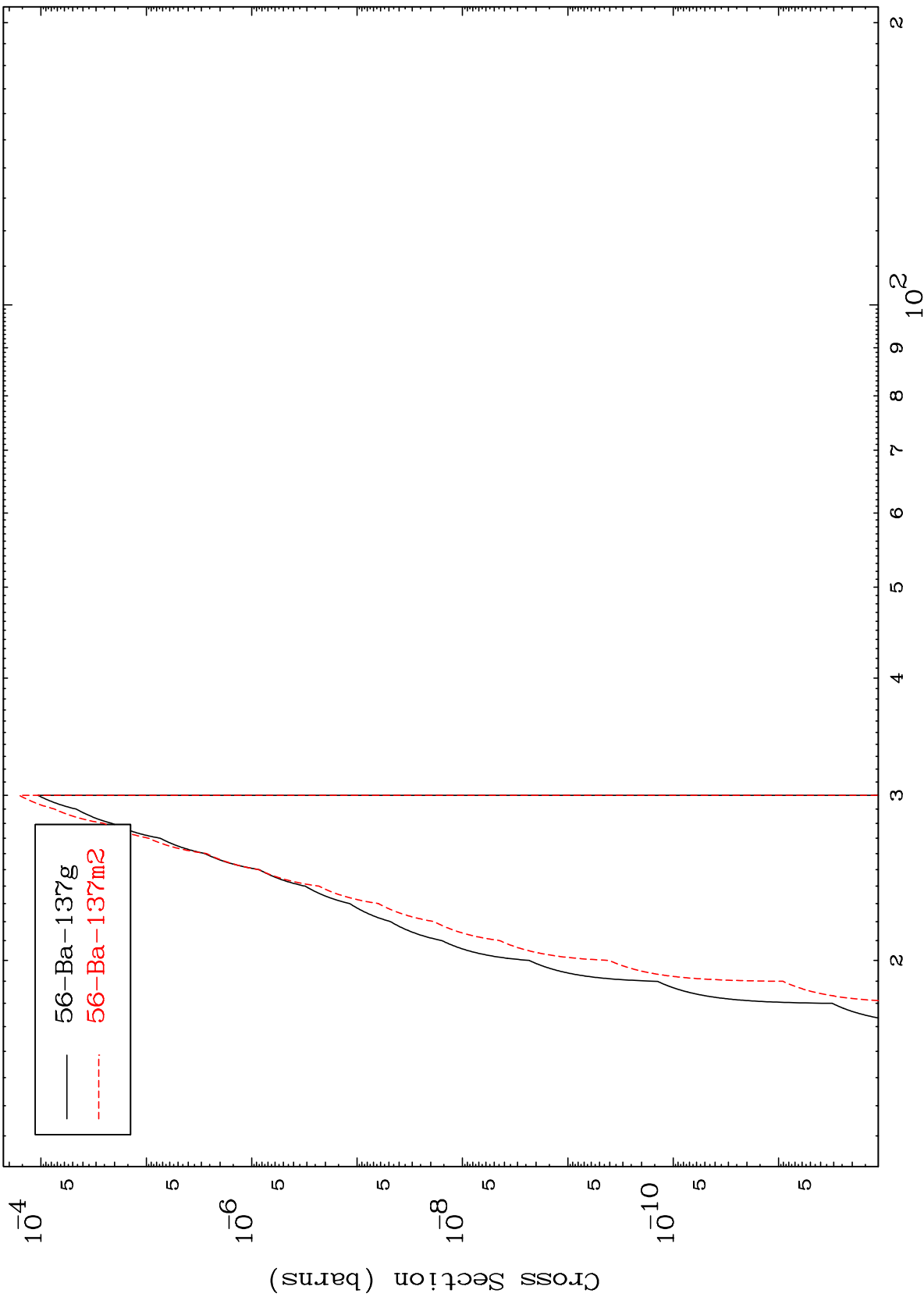


MAT 5846

(n,3n) α

58-Ce-143

Radionuclide Production Cross Section



140

Incident Energy (MeV)

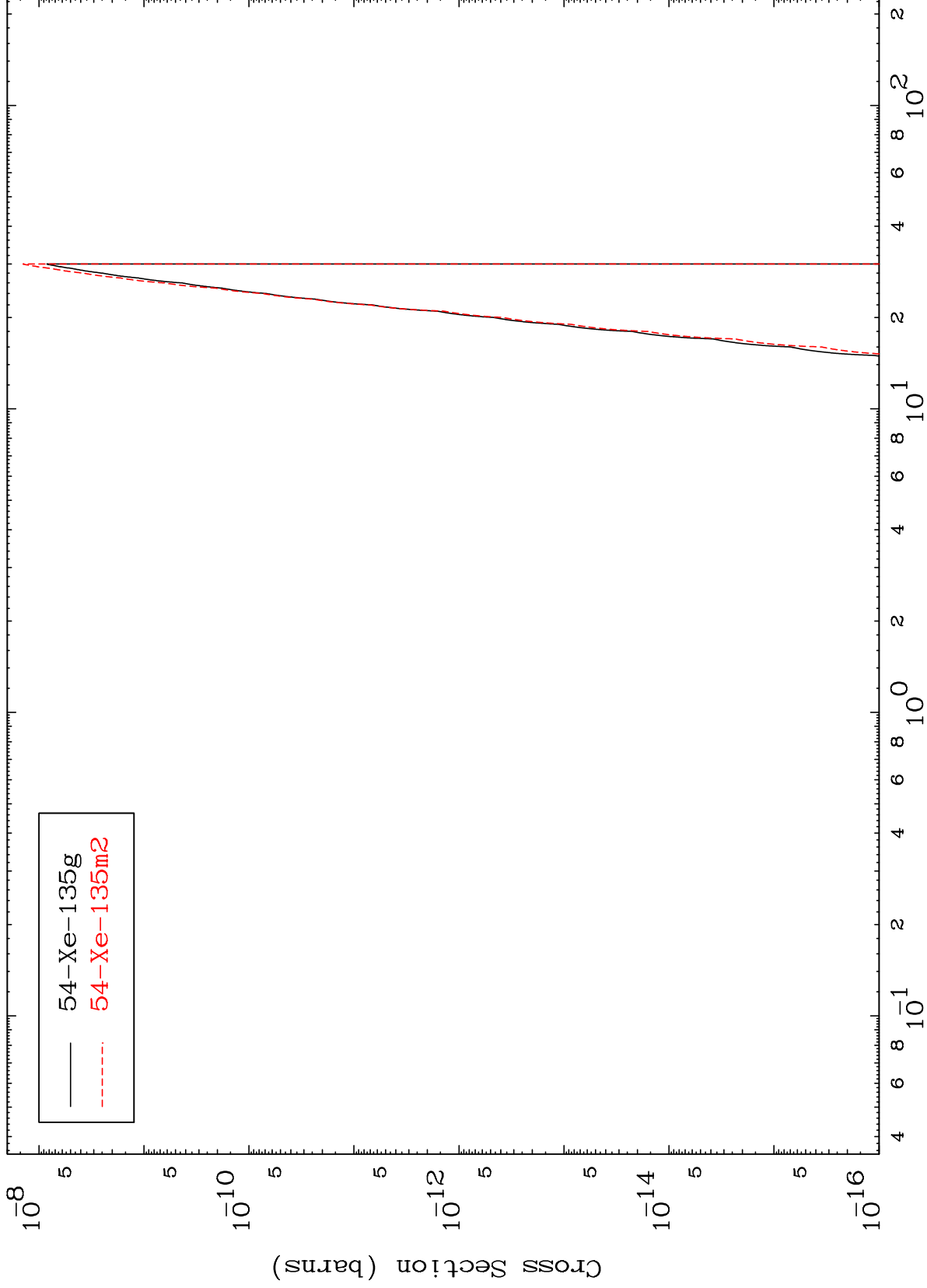
58-Ce-143

MAT 5846

(n,n') 2 α

58-Ce-143

Radionuclide Production Cross Section



141

Incident Energy (MeV)

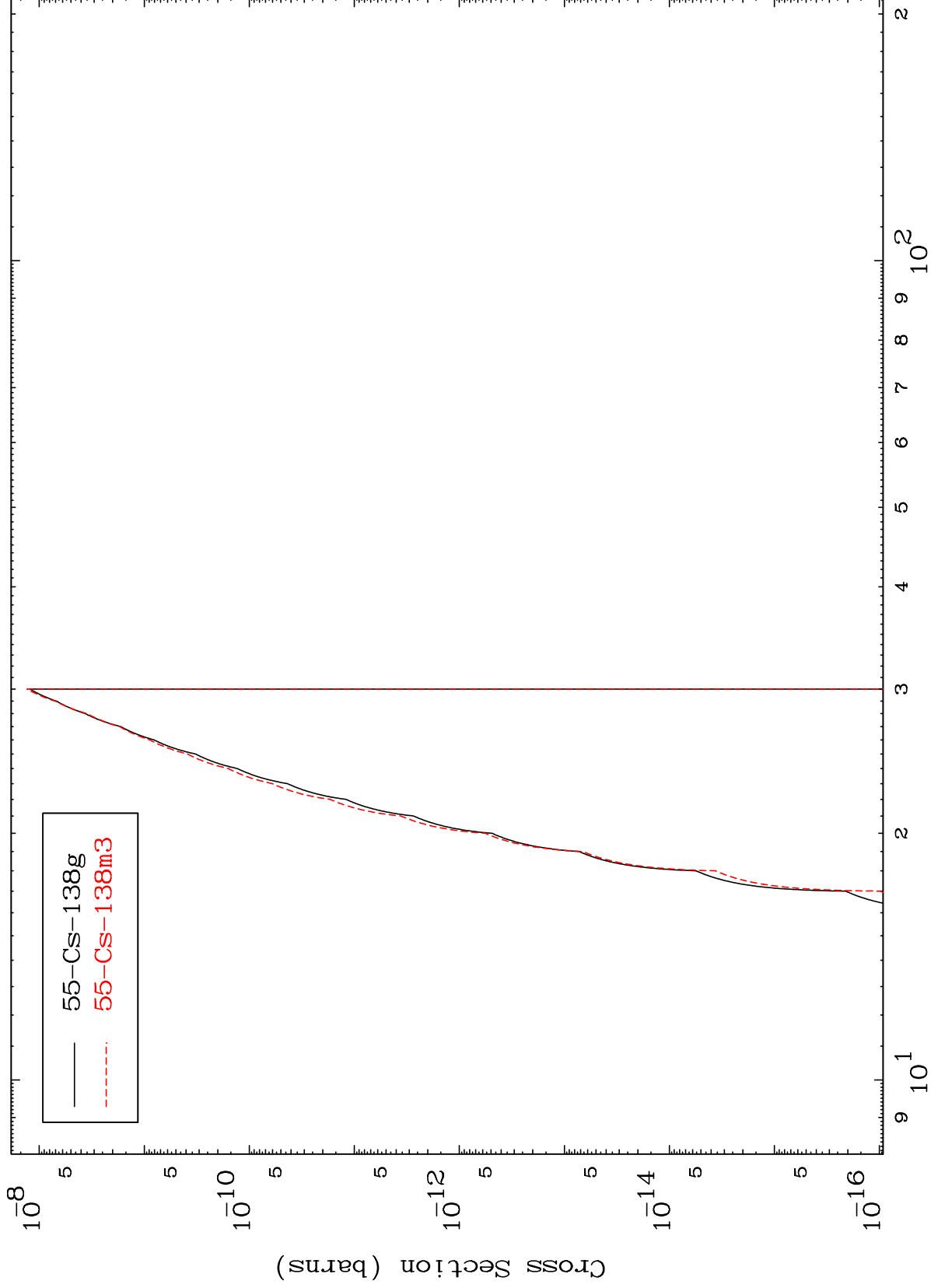
58-Ce-143

MAT 5846

(n,n') p α

58-Ce-143

Radionuclide Production Cross Section



142

Incident Energy (MeV)

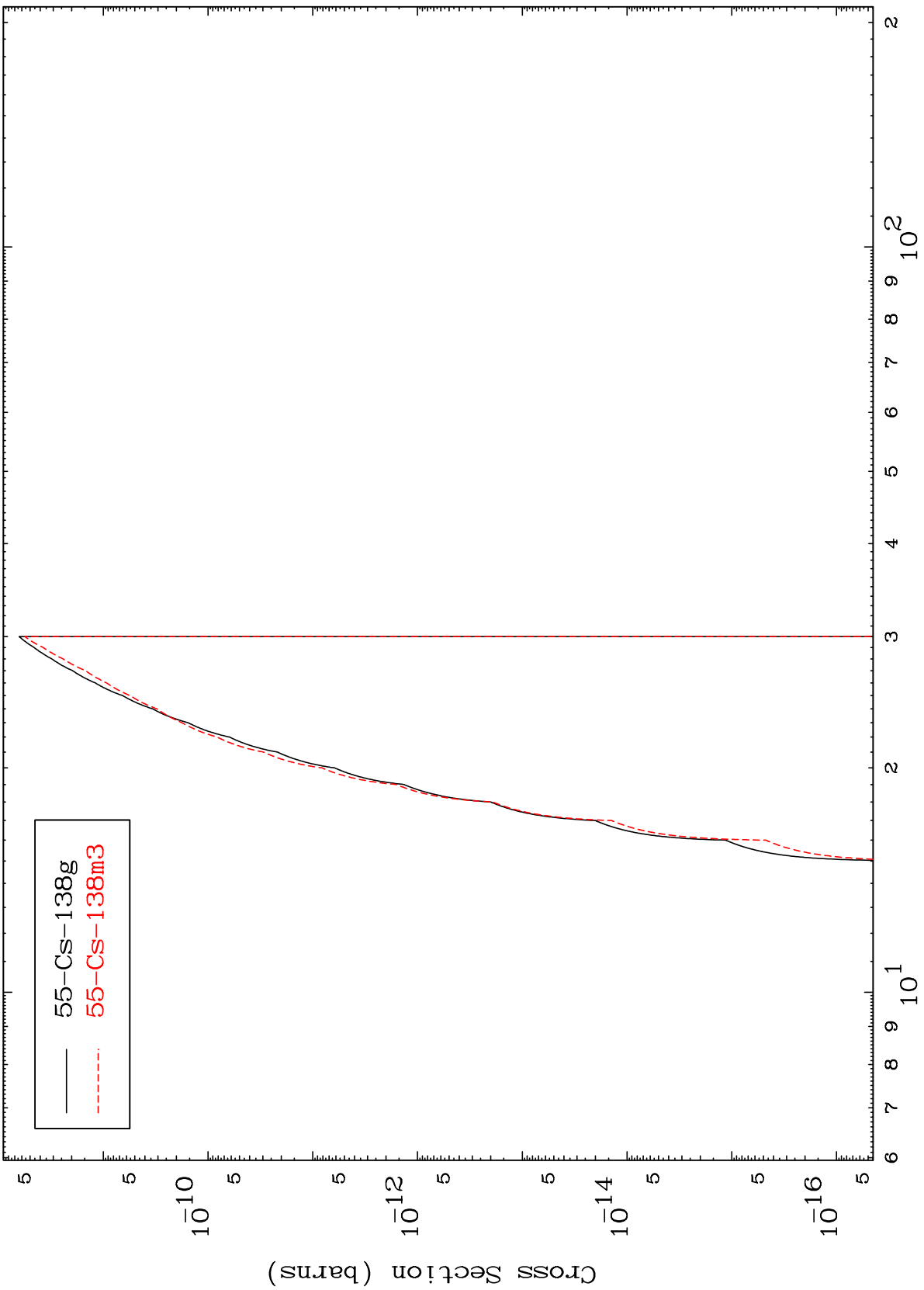
58-Ce-143

MAT 5846

(n,d) α

58-Ce-143

Radionuclide Production Cross Section



143

Incident Energy (MeV)

58-Ce-143