

Program EVALPLOT
(Version 2015-2)

by

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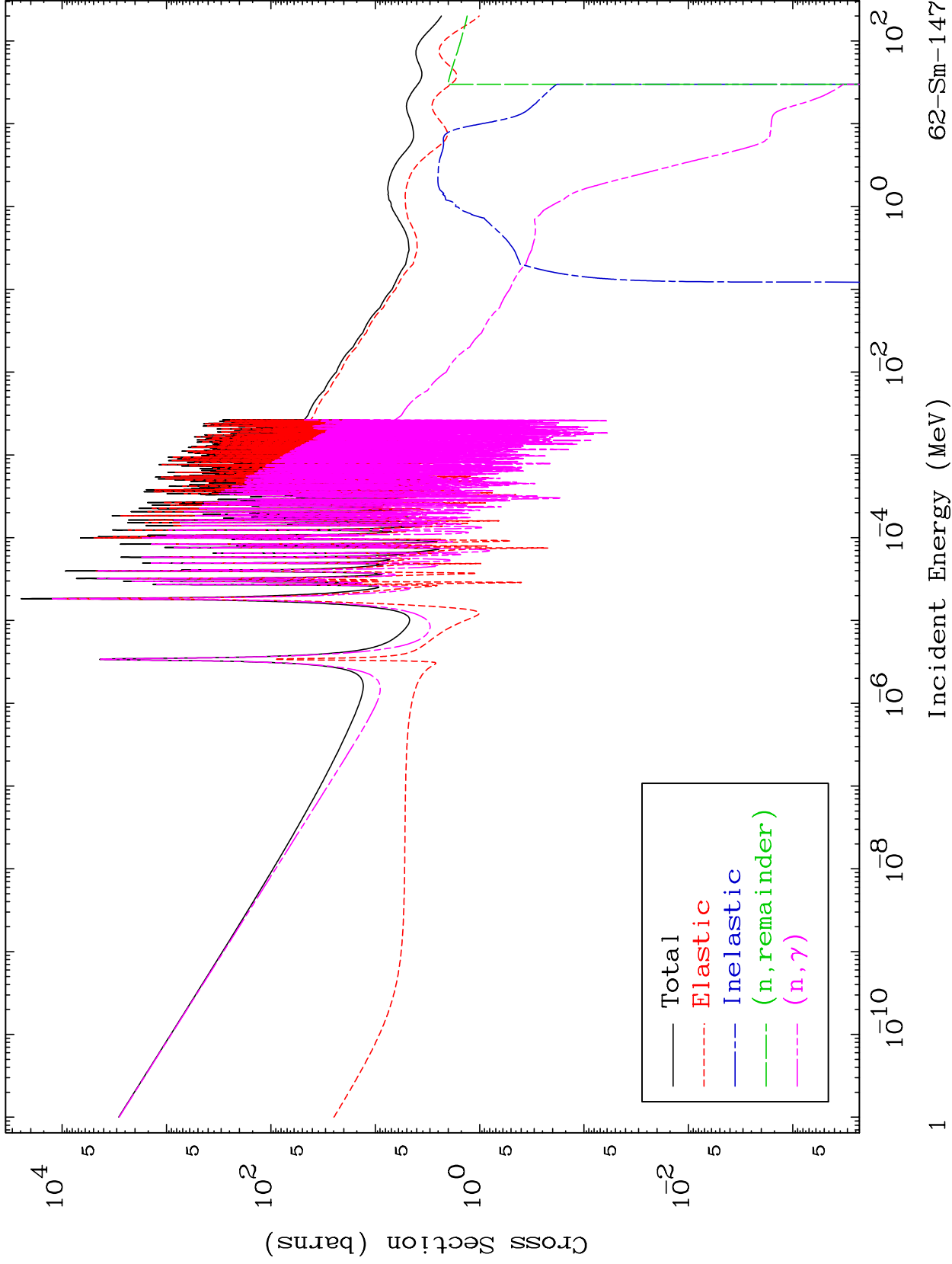
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6234

Major
293 Kelvin Cross Sections

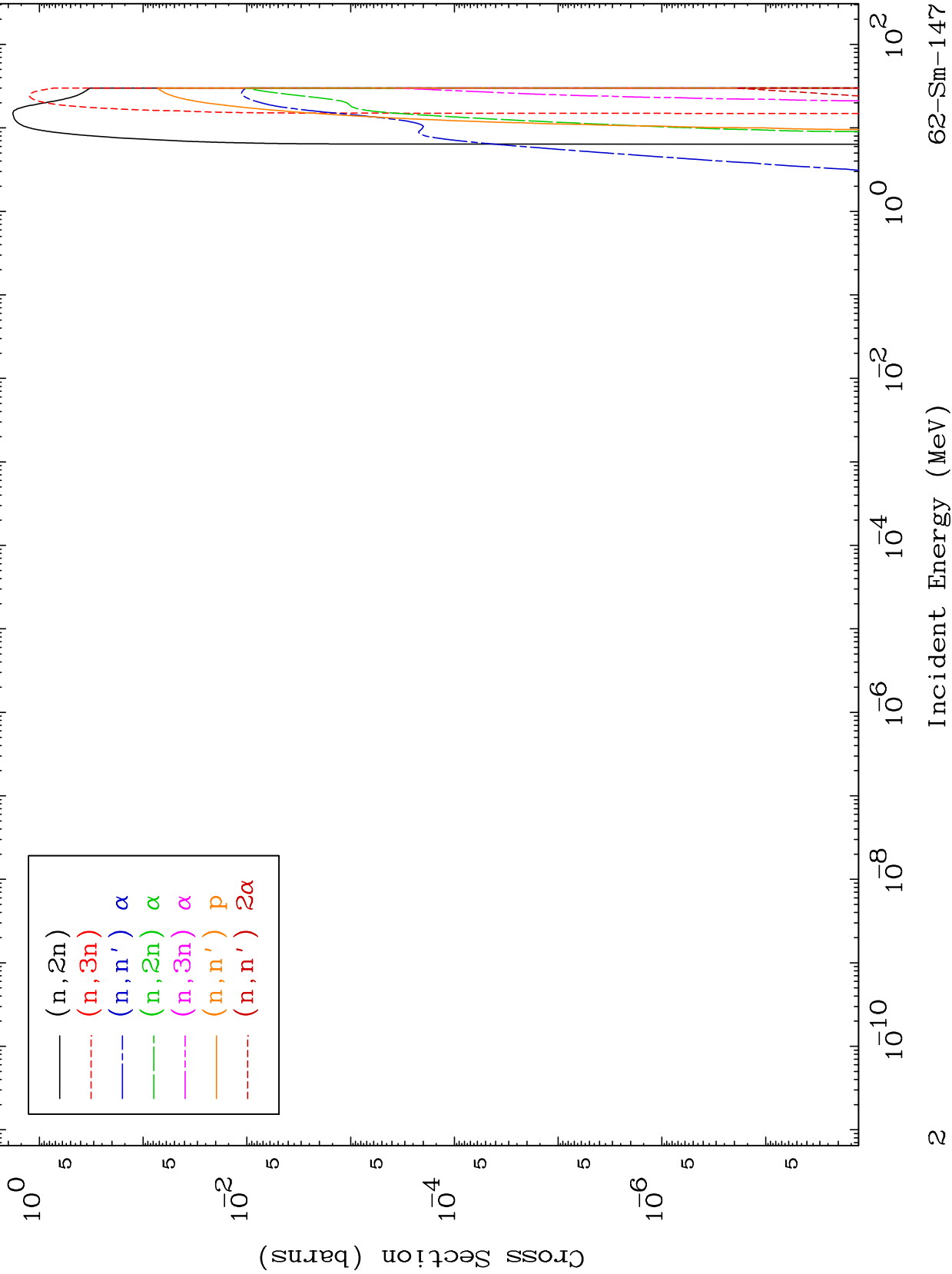
62-Sm-147

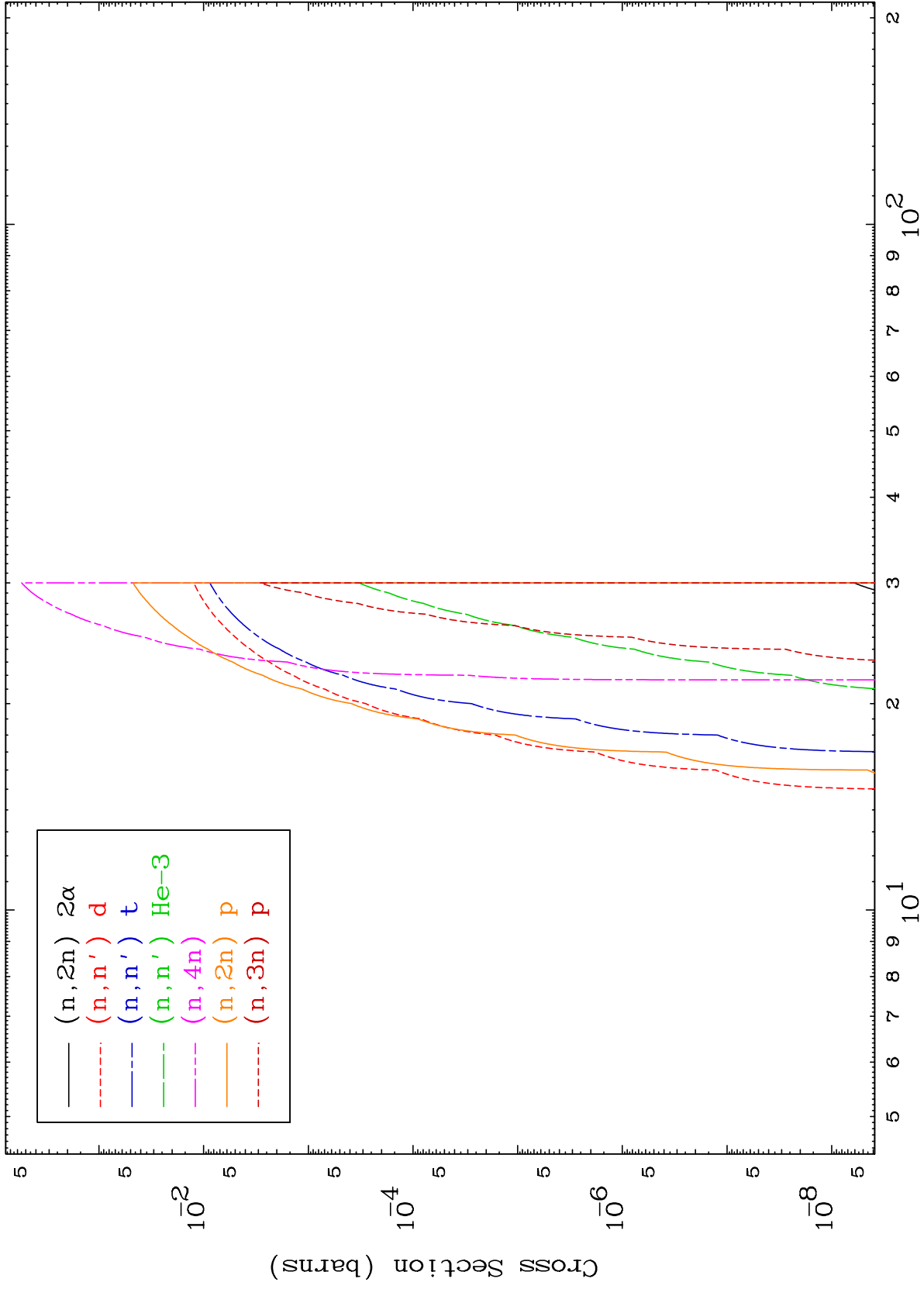


MAT 6234

Neutron Production
293 Kelvin Cross Sections

62-Sm-147

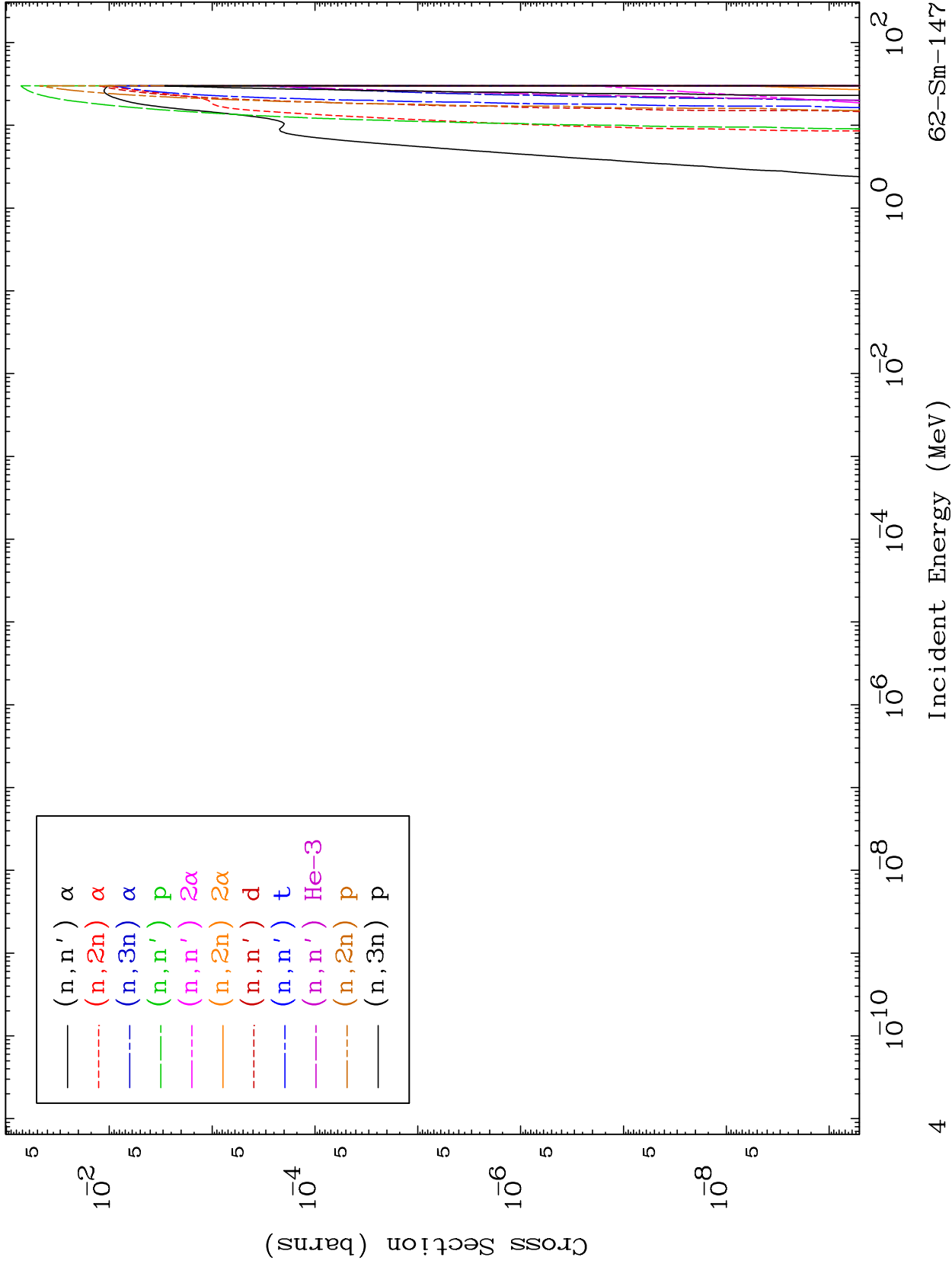




MAT 6234

Charged Particle
293 Kelvin Cross Sections

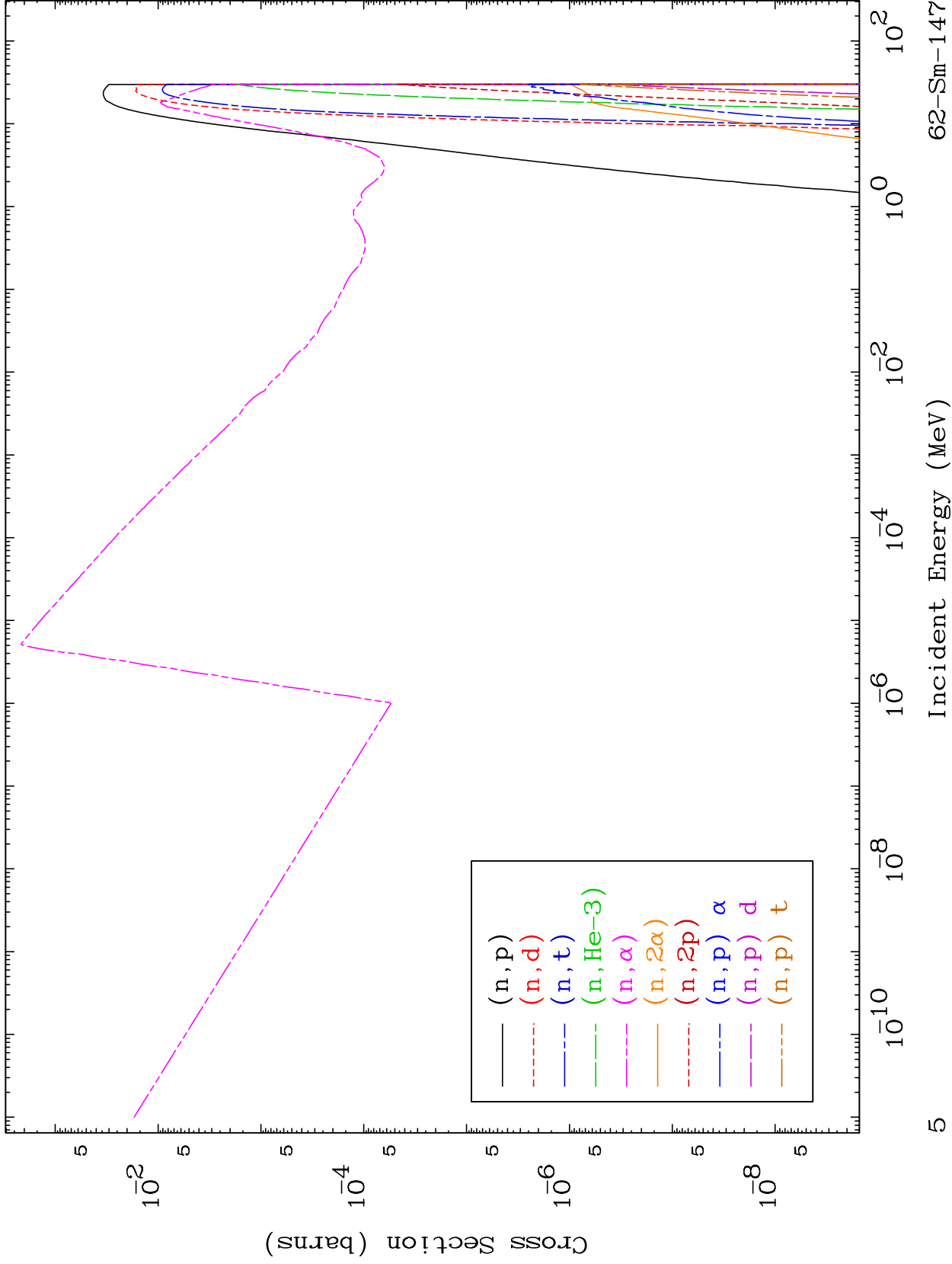
62-Sm-147



MAT 6234

Charged Particle
293 Kelvin Cross Sections

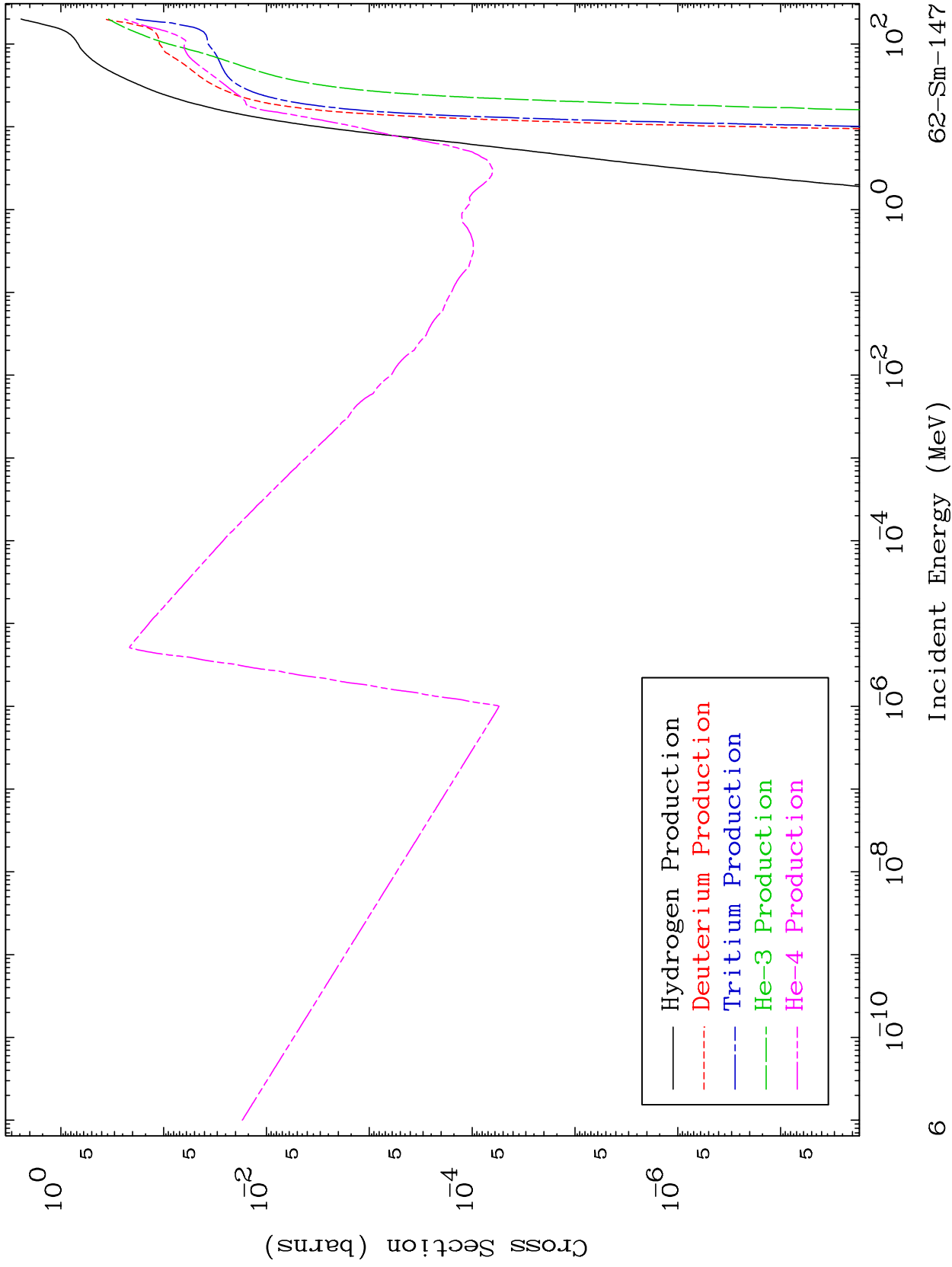
62-Sm-147



MAT 6234

Particle Production
293 Kelvin Cross Sections

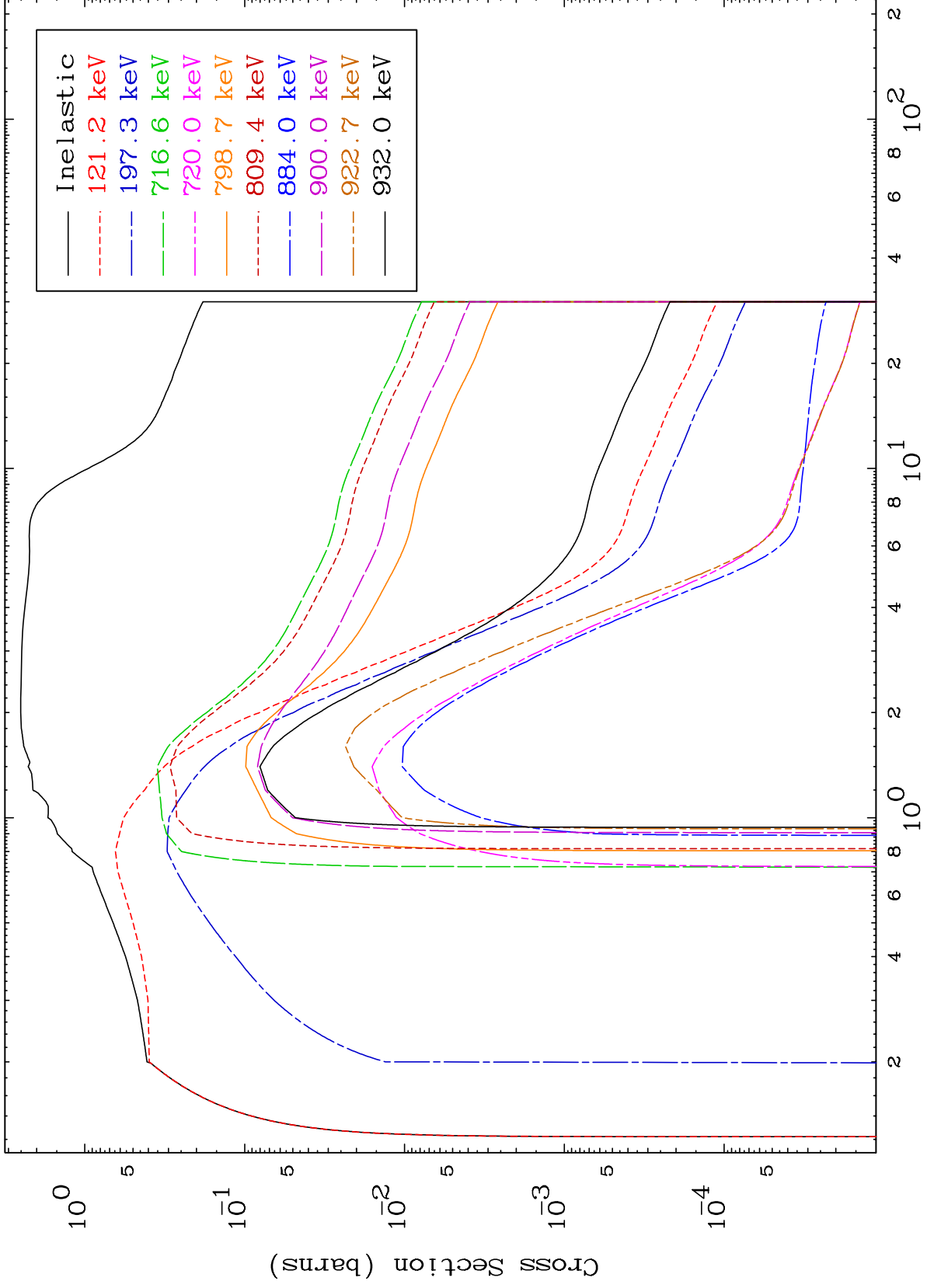
62-Sm-147



MAT 6234

(n,n') Level
293 Kelvin Cross Sections

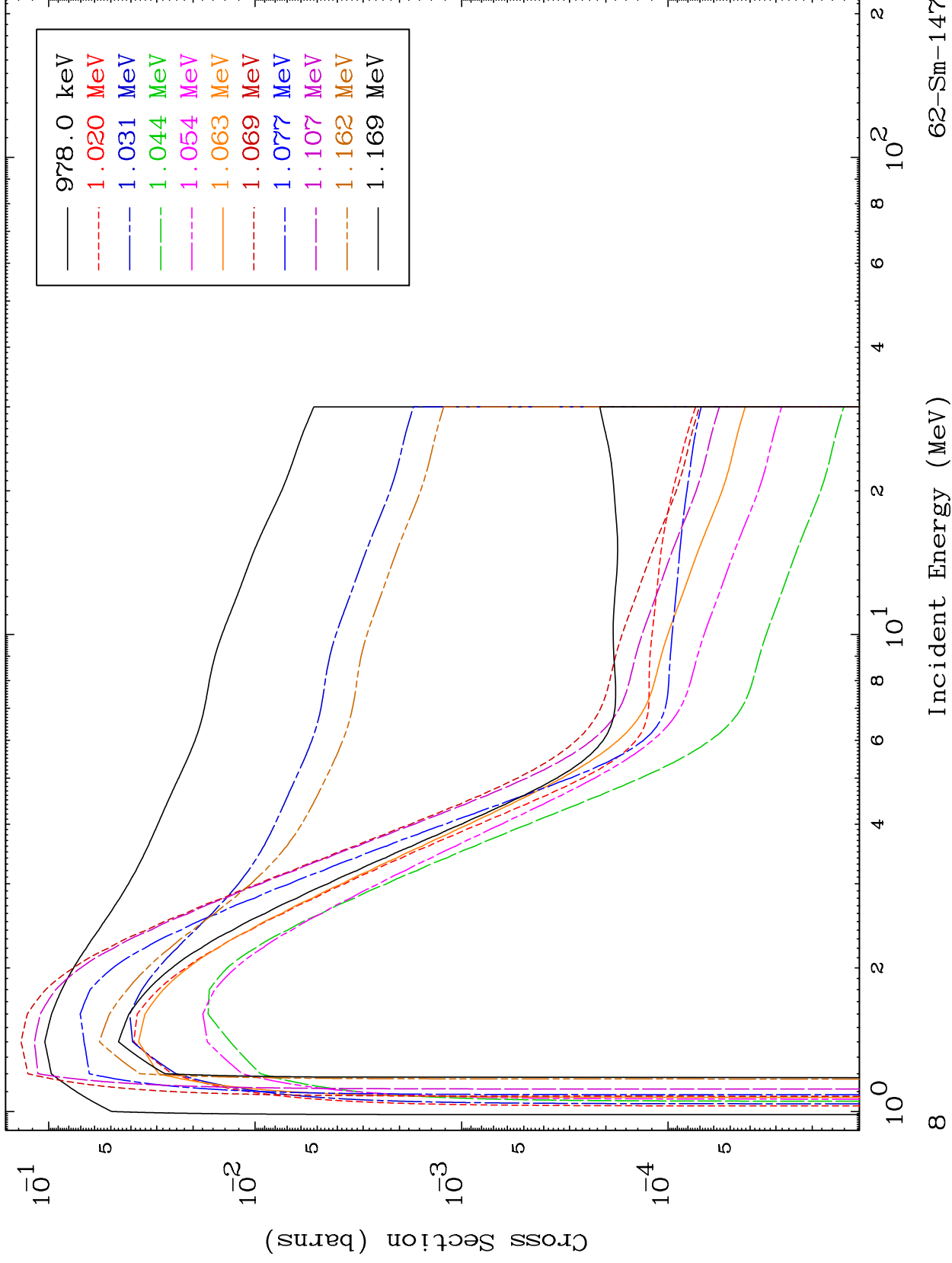
62-Sm-147



MAT 6234

(n,n') Level
293 Kelvin Cross Sections

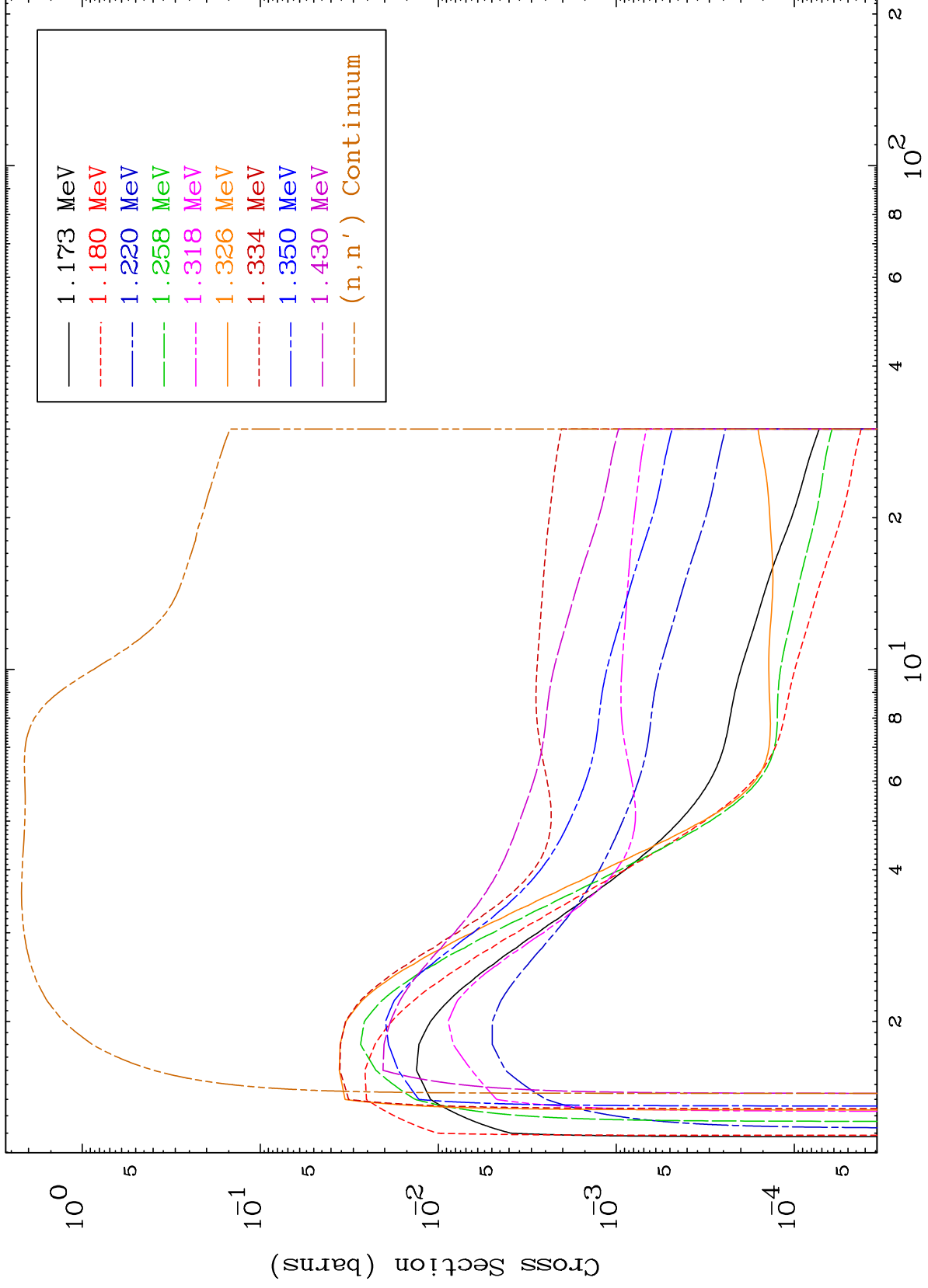
62-Sm-147



MAT 6234

(n,n') Level
293 Kelvin Cross Sections

62-Sm-147



9

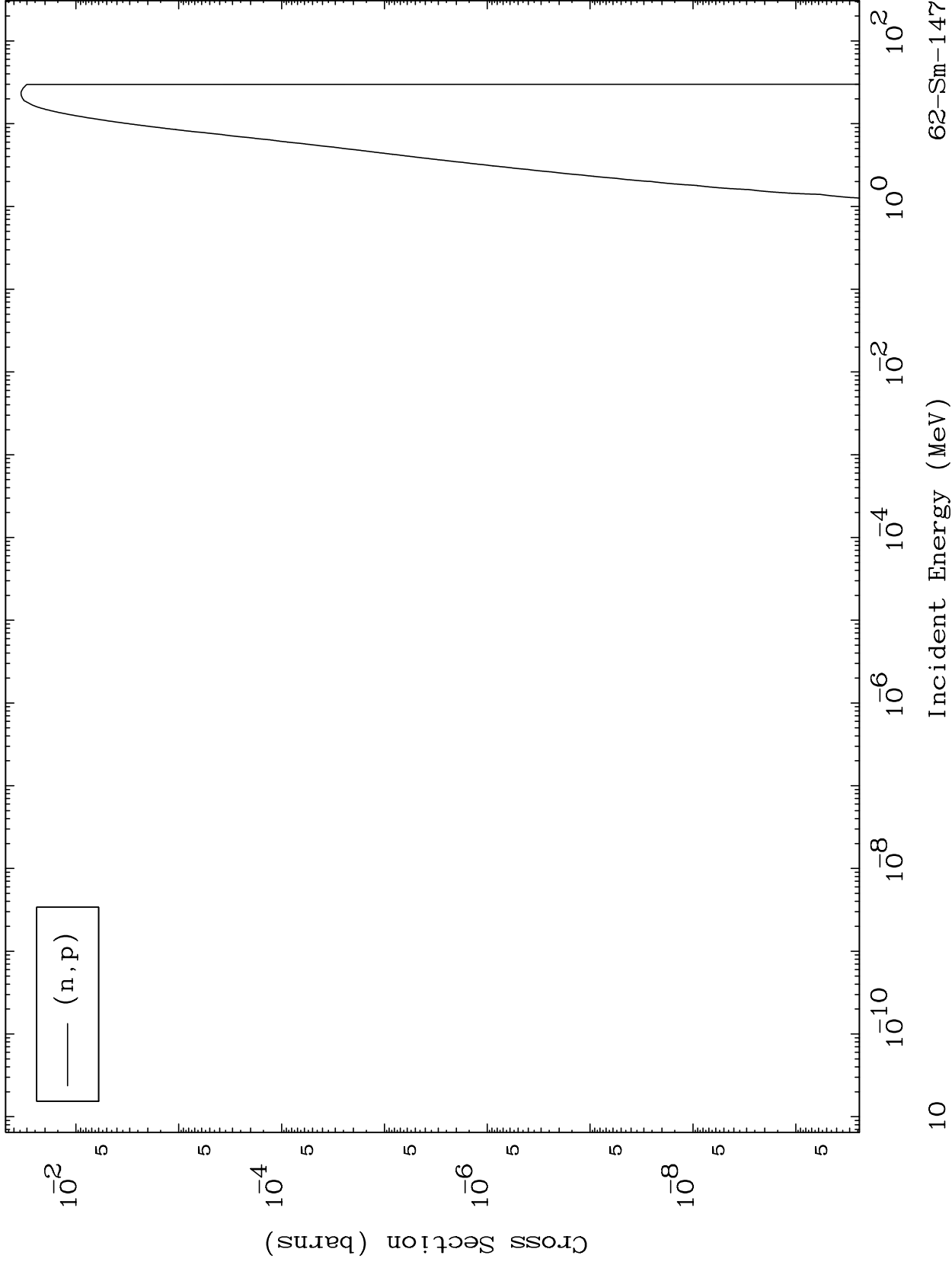
Incident Energy (MeV)

62-Sm-147

MAT 6234

(n,p) Levels
293 Kelvin Cross Sections

62-Sm-147



10

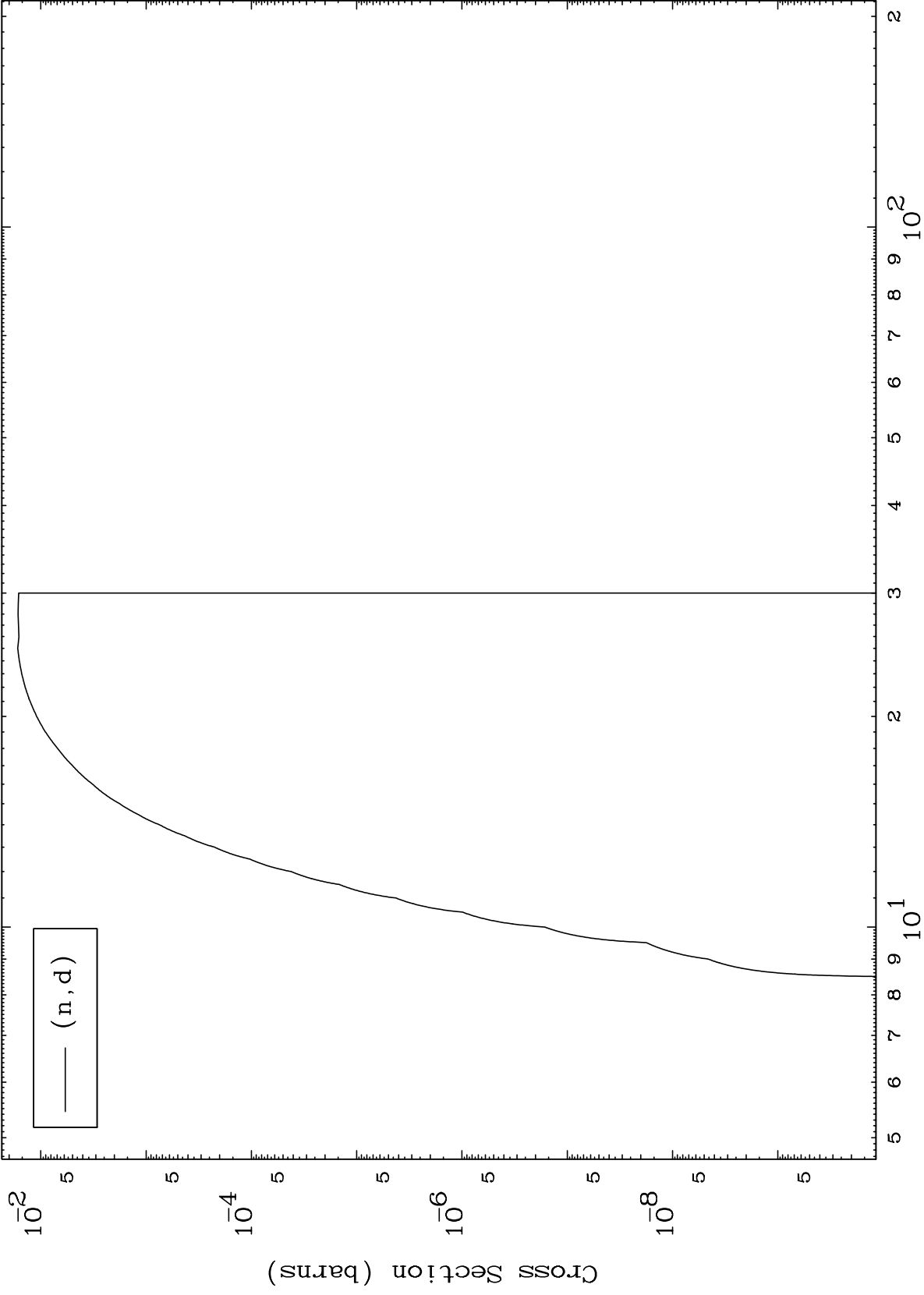
Incident Energy (MeV)

62-Sm-147

MAT 6234

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-147



11

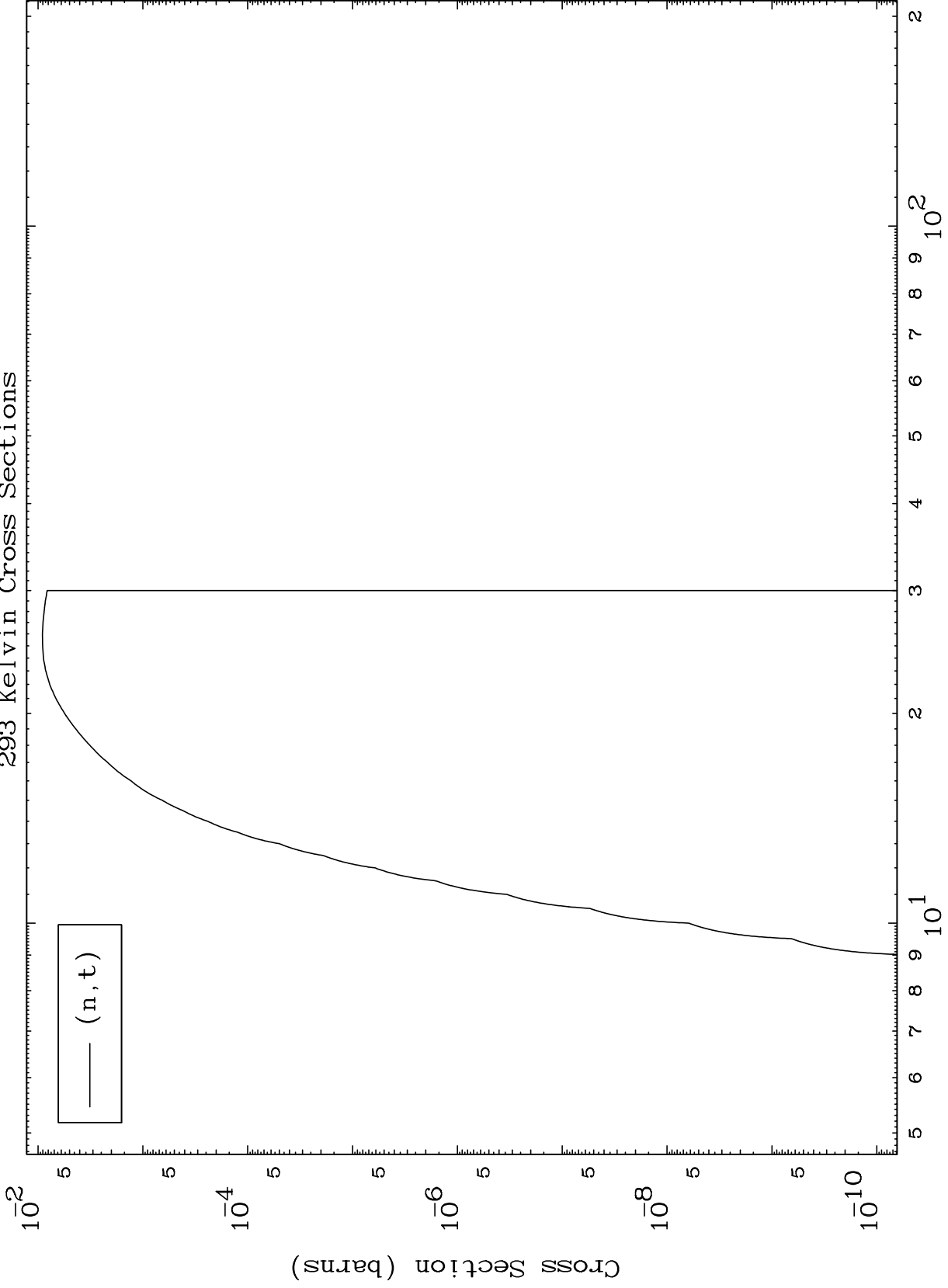
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62-Sm-147

MAT 6234

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-147



12

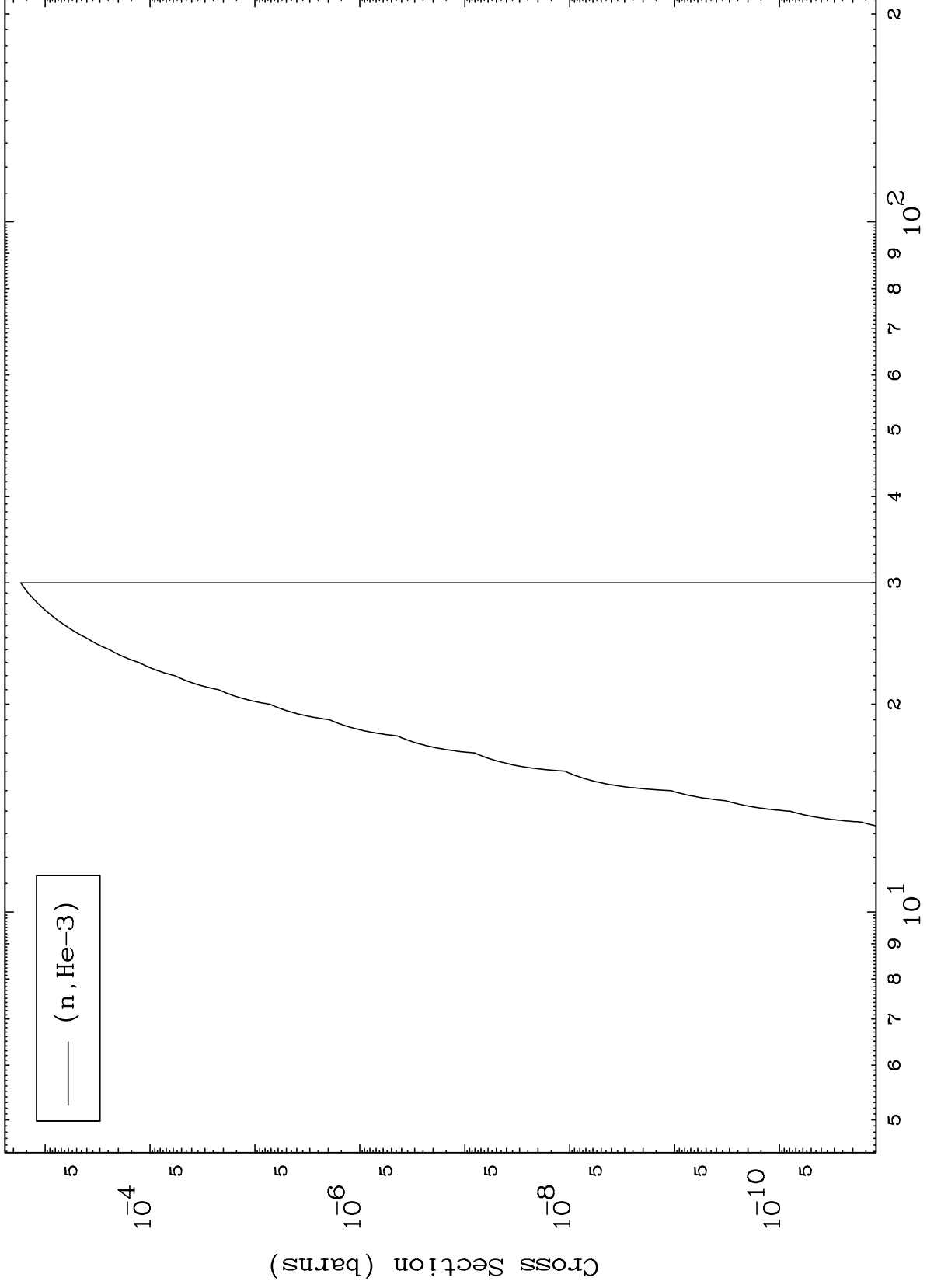
Incident Energy (MeV)

62-Sm-147

MAT 6234

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-147



13

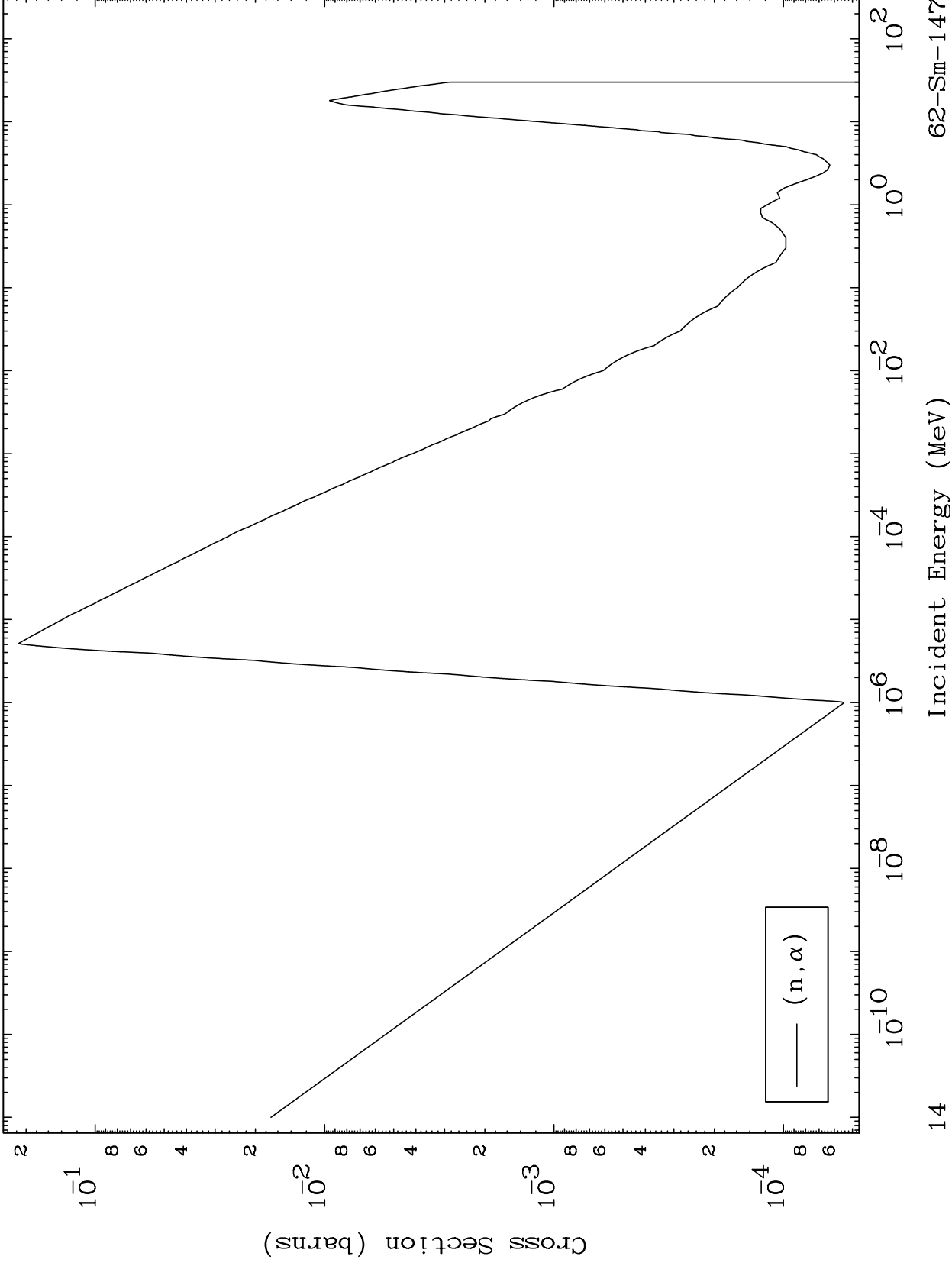
Incident Energy (MeV)

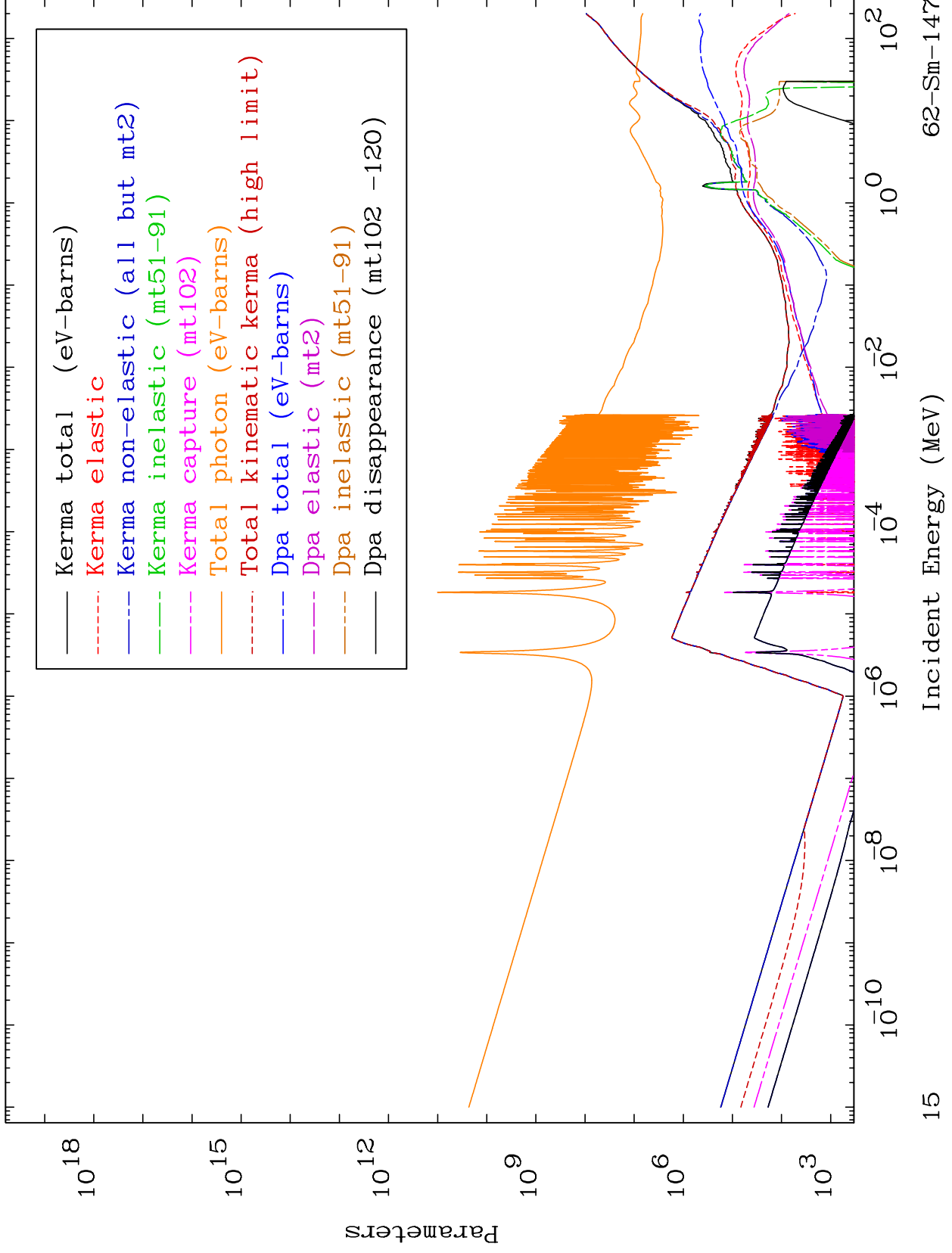
62-Sm-147

MAT 6234

(n,α) Levels
293 Kelvin Cross Sections

62-Sm-147

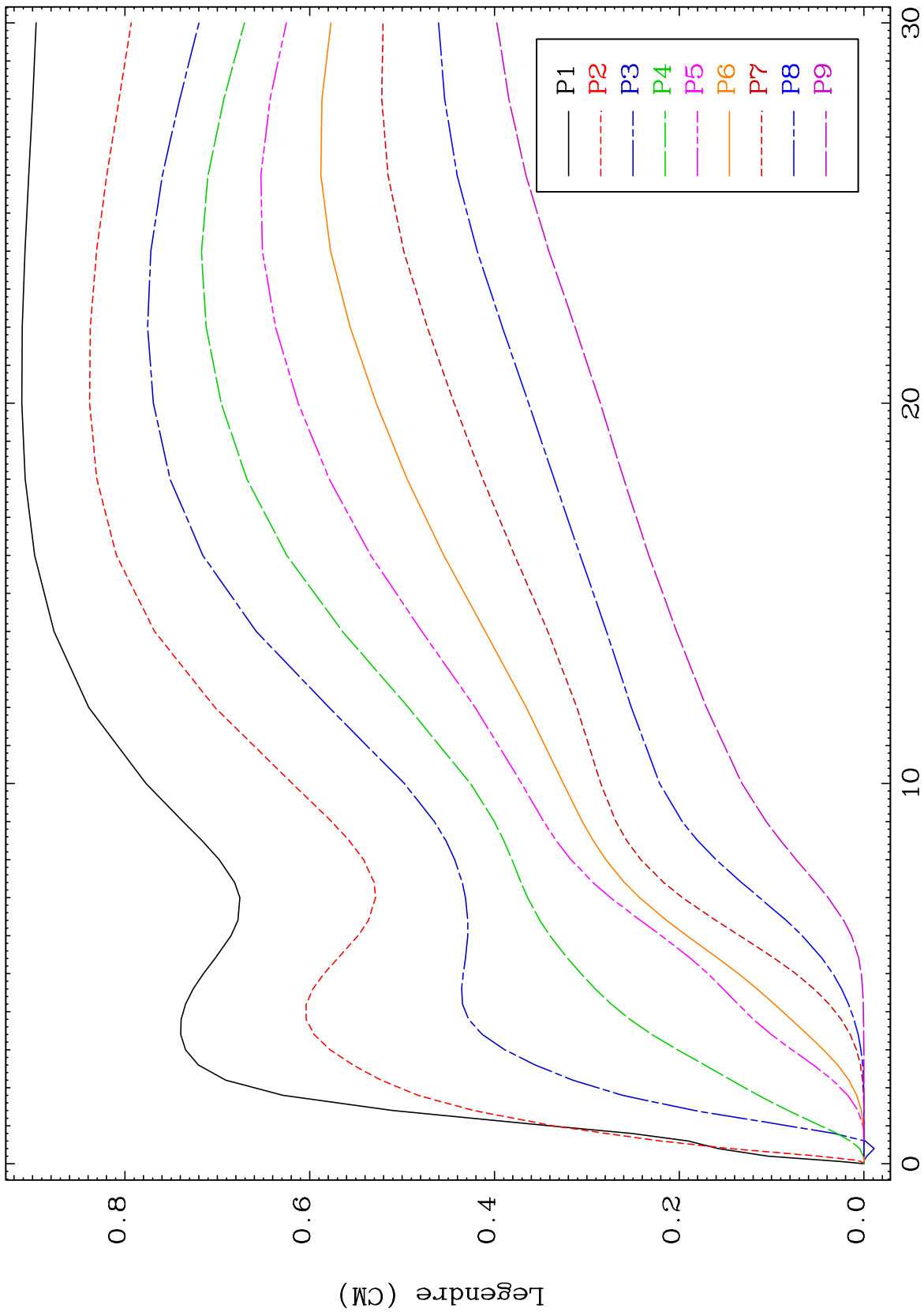




MAT 6234

Elastic Legendre Coefficients

62-Sm-147



16

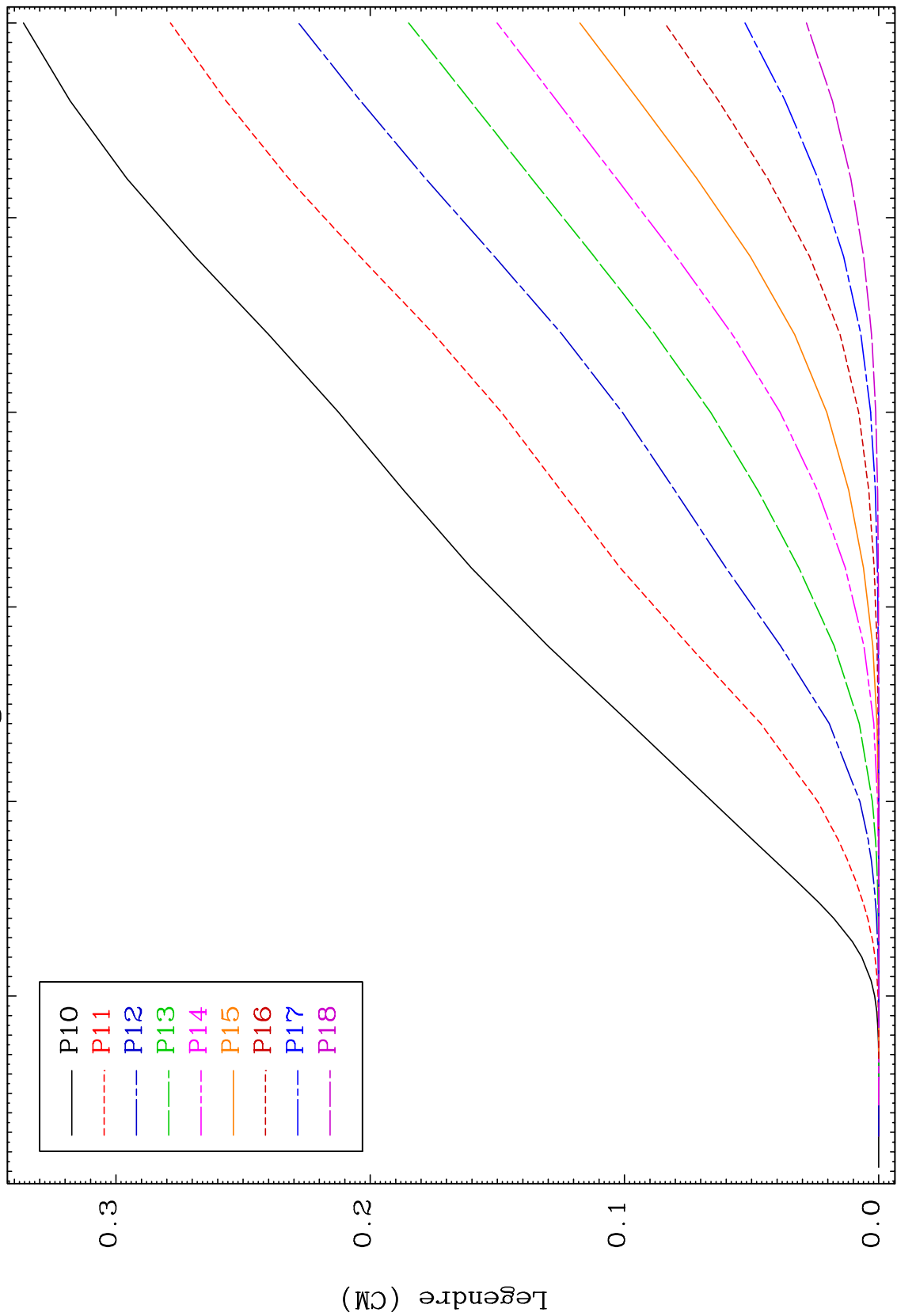
Incident Energy (MeV)

62-Sm-147

MAT 6234

Elastic Legendre Coefficients

62-Sm-147



17

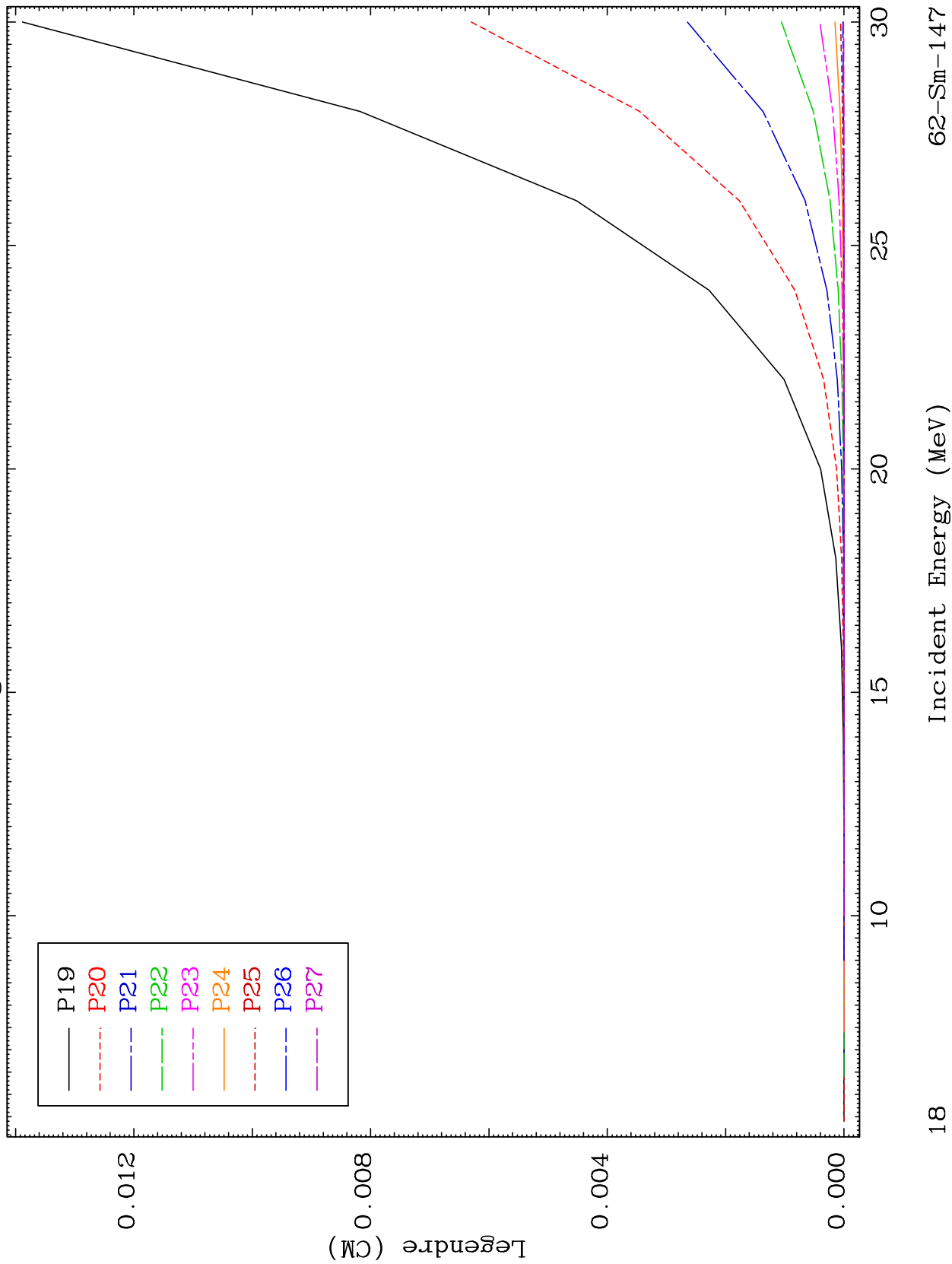
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Incident Energy (MeV)

MAT 6234

Elastic Legendre Coefficients

62-Sm-147



18

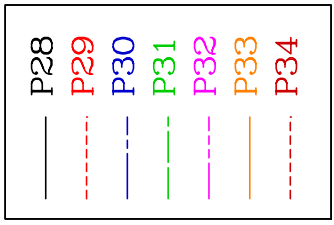
Incident Energy (MeV)

62-Sm-147

MAT 6234

Elastic Legendre Coefficients

62-Sm-147



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

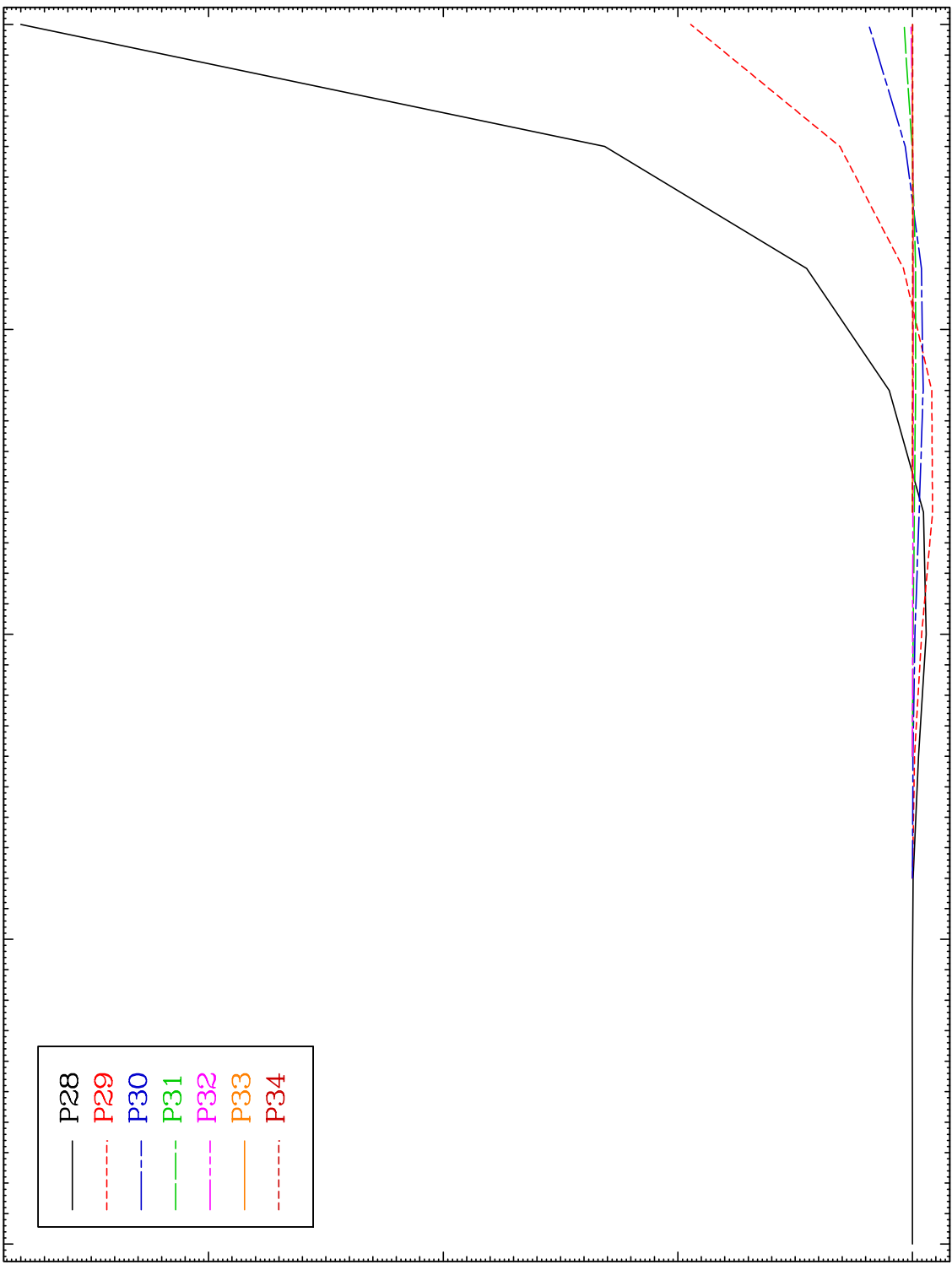
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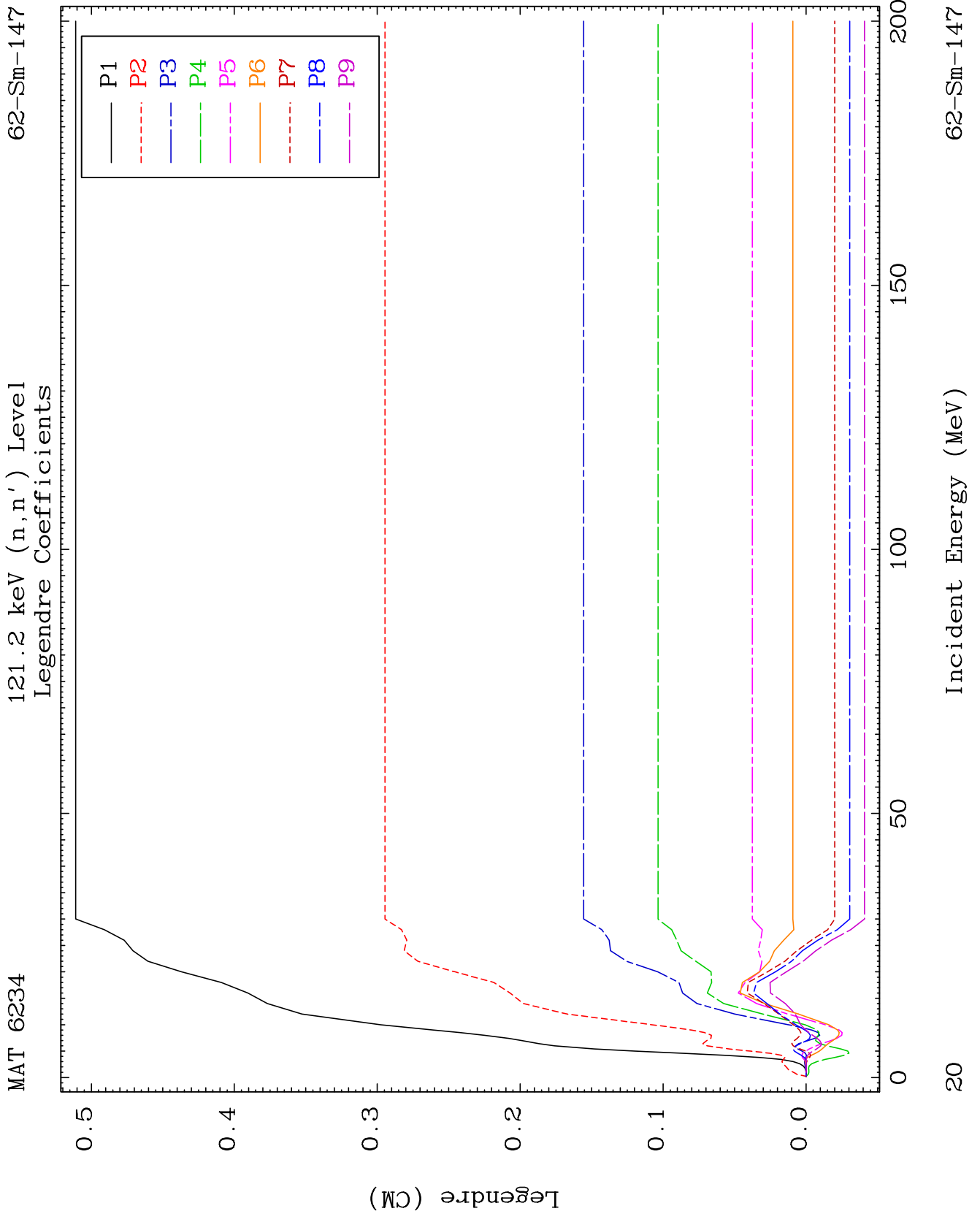
30

19

Incident Energy (MeV)

62-Sm-147

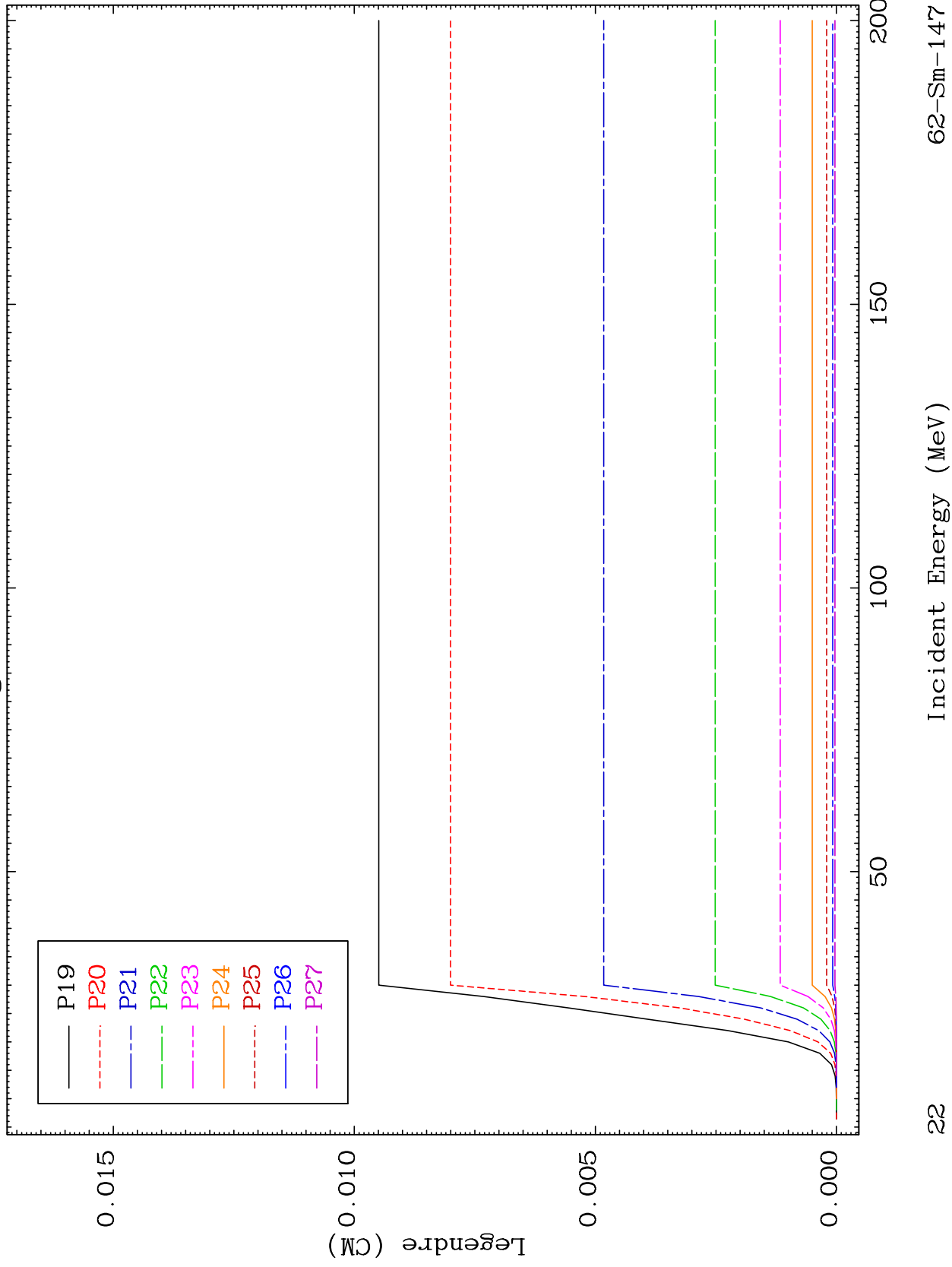




MAT 6234

121.2 keV (n,n') Level
Legendre Coefficients

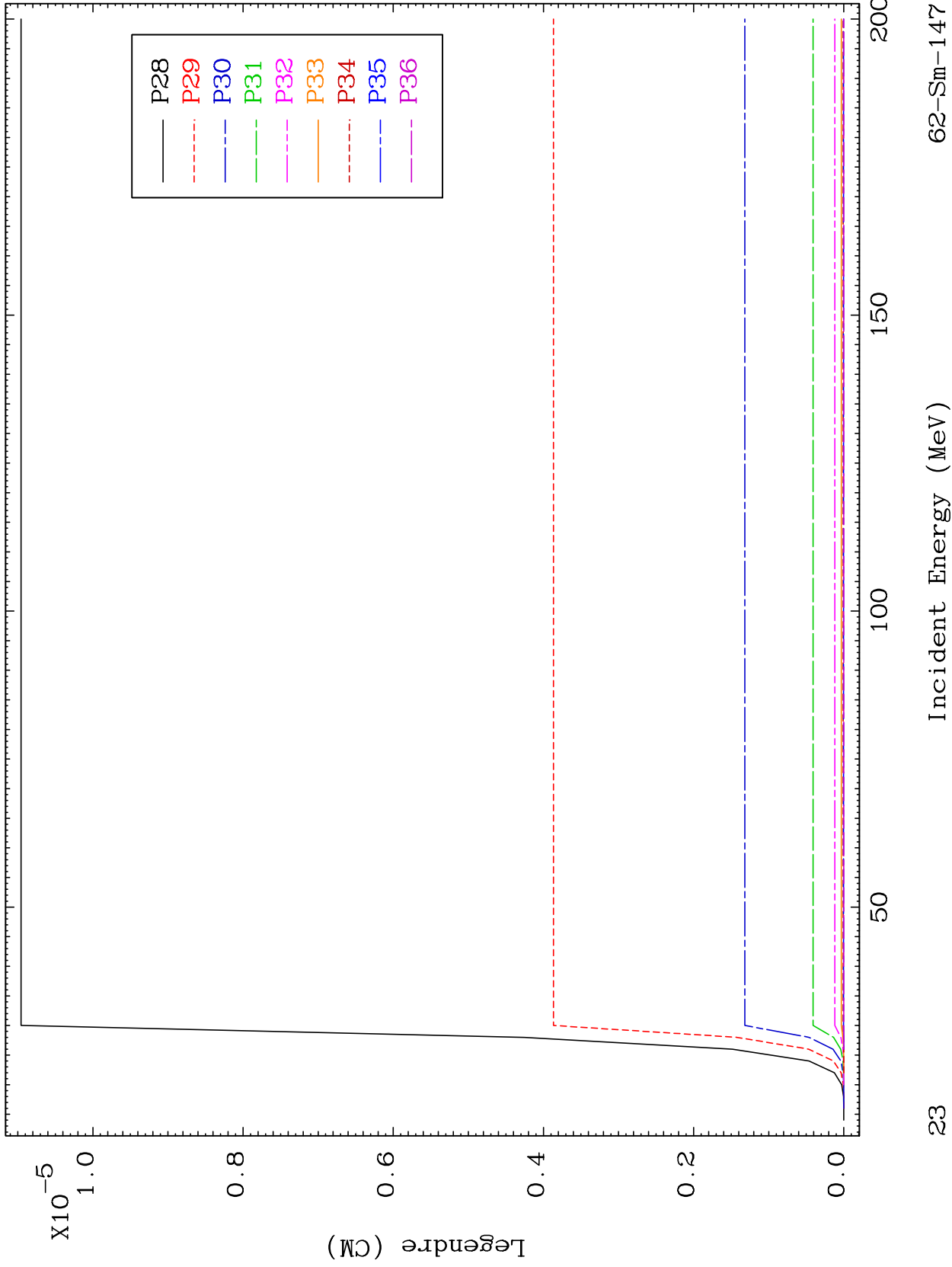
62-Sm-147



MAT 6234

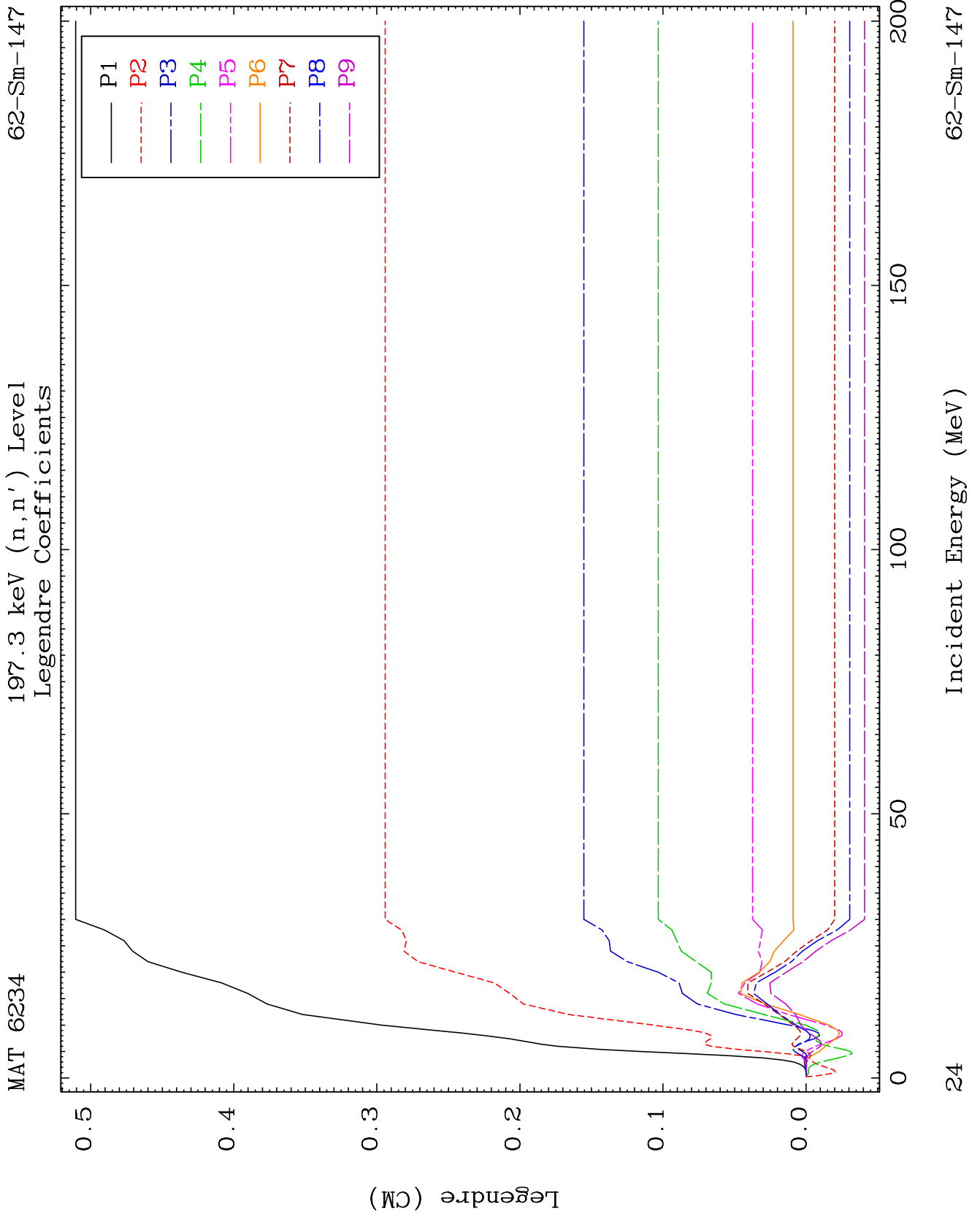
121.2 keV (n,n') Level
Legendre Coefficients

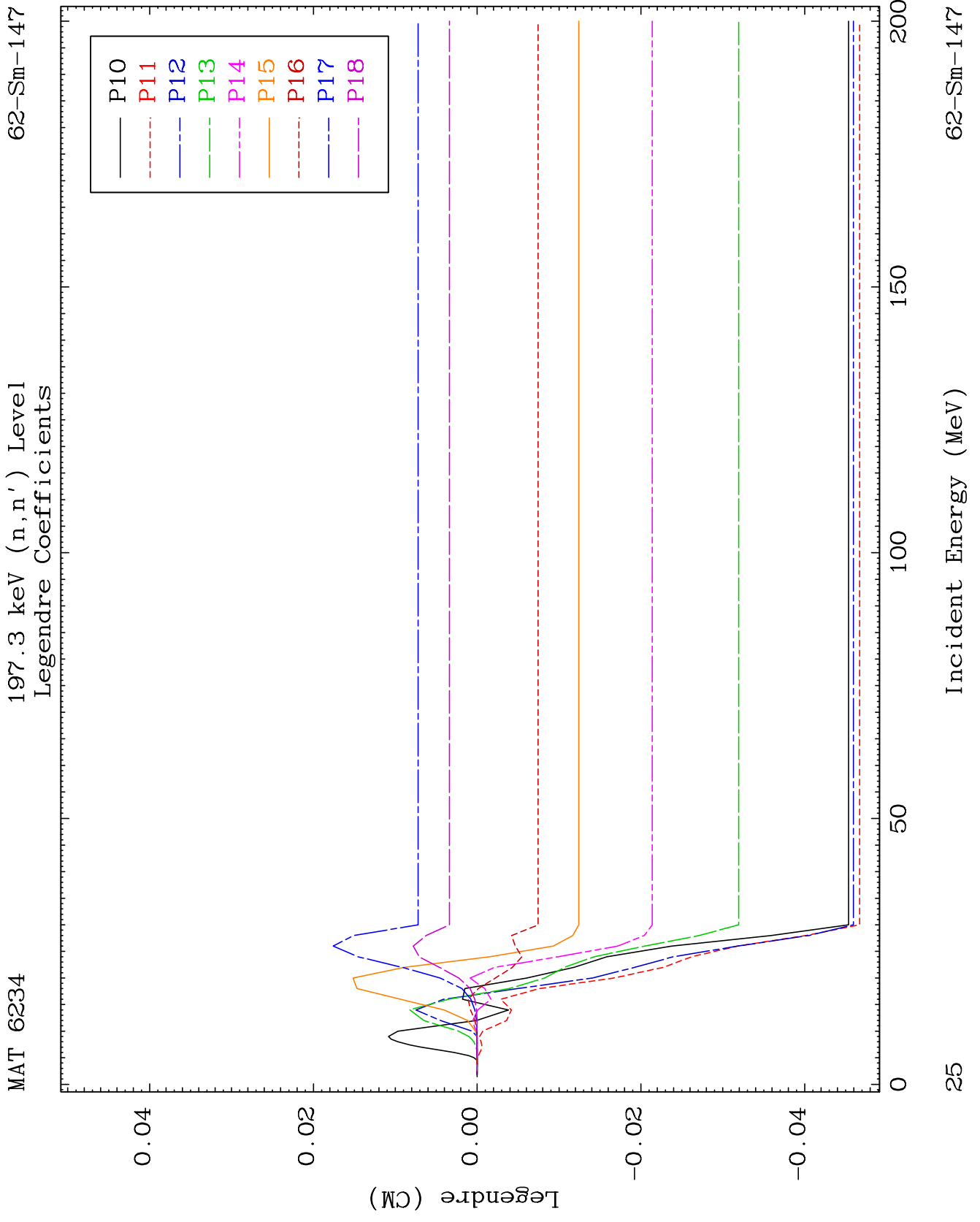
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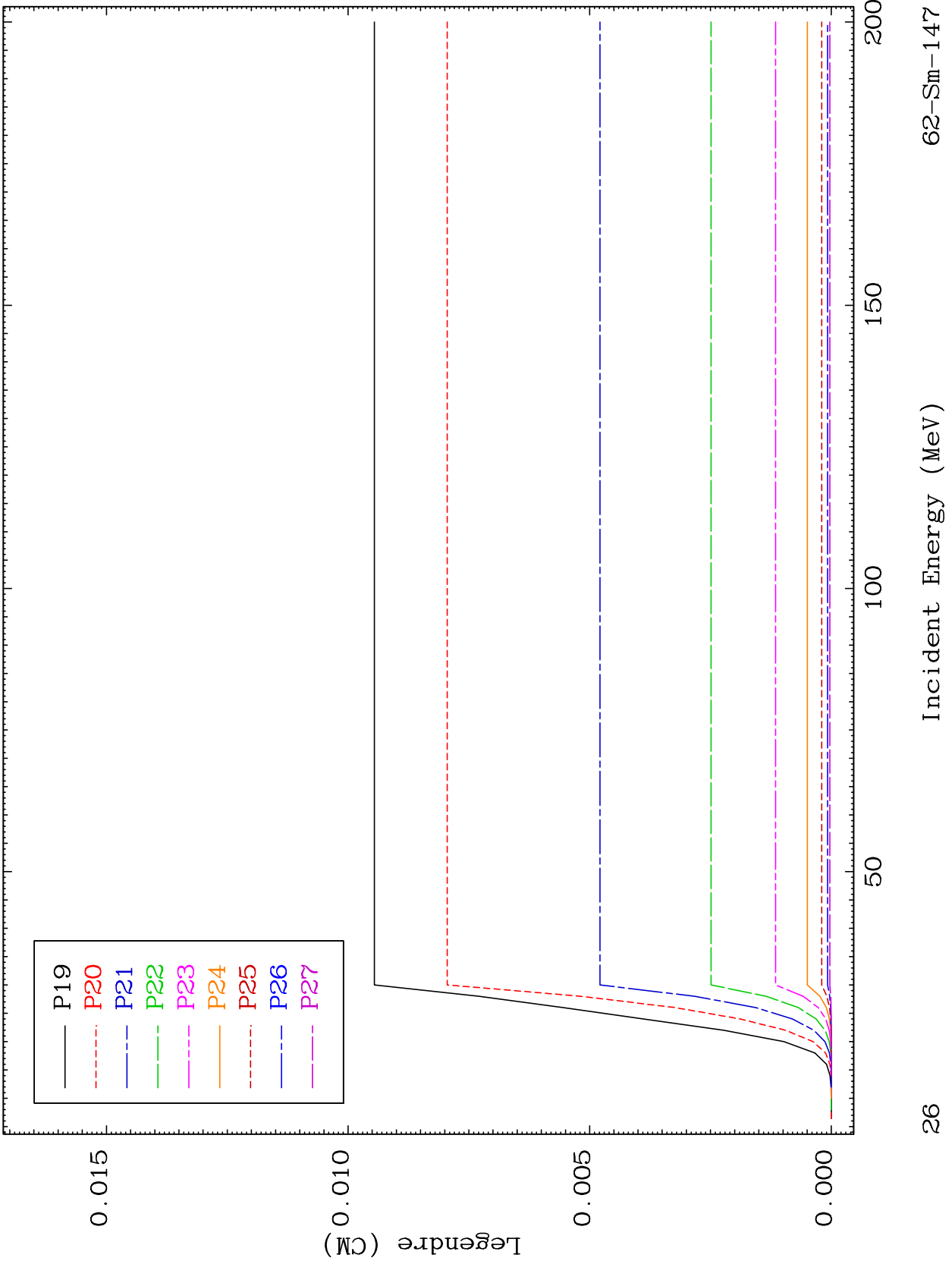


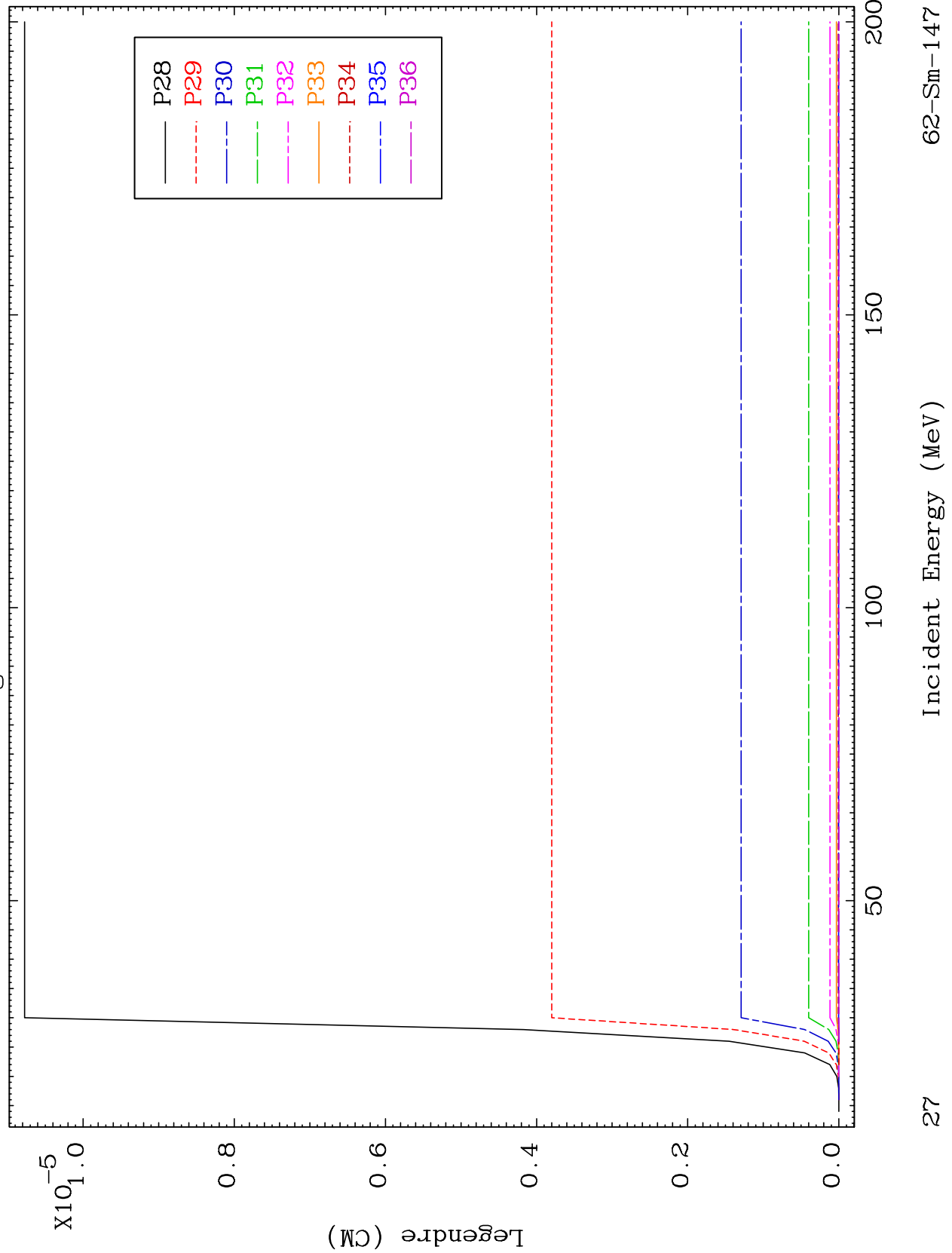
23

62-Sm-147





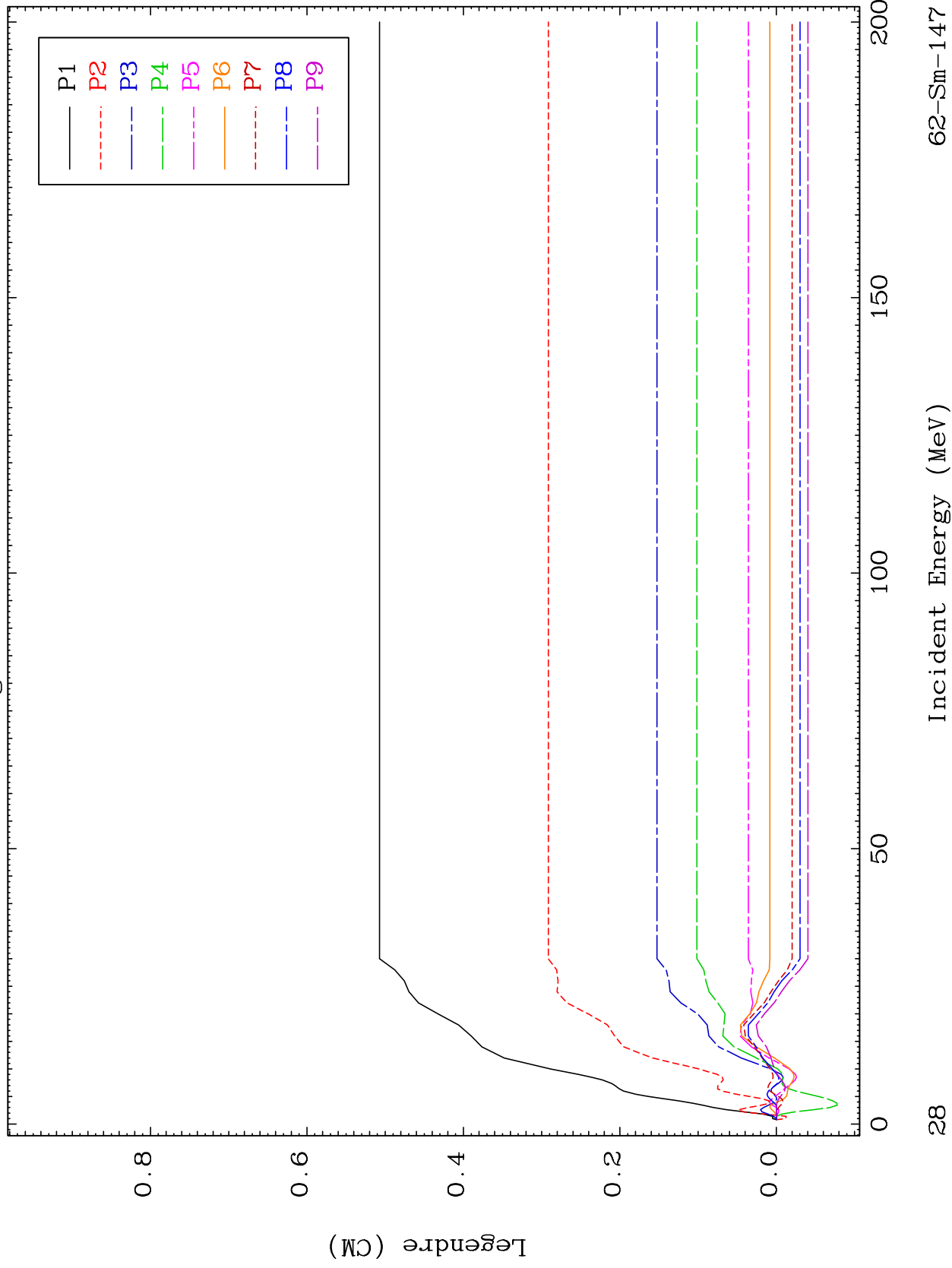




MAT 6234

716.6 keV (n,n') Level
Legendre Coefficients

62-Sm-147



62-Sm-147

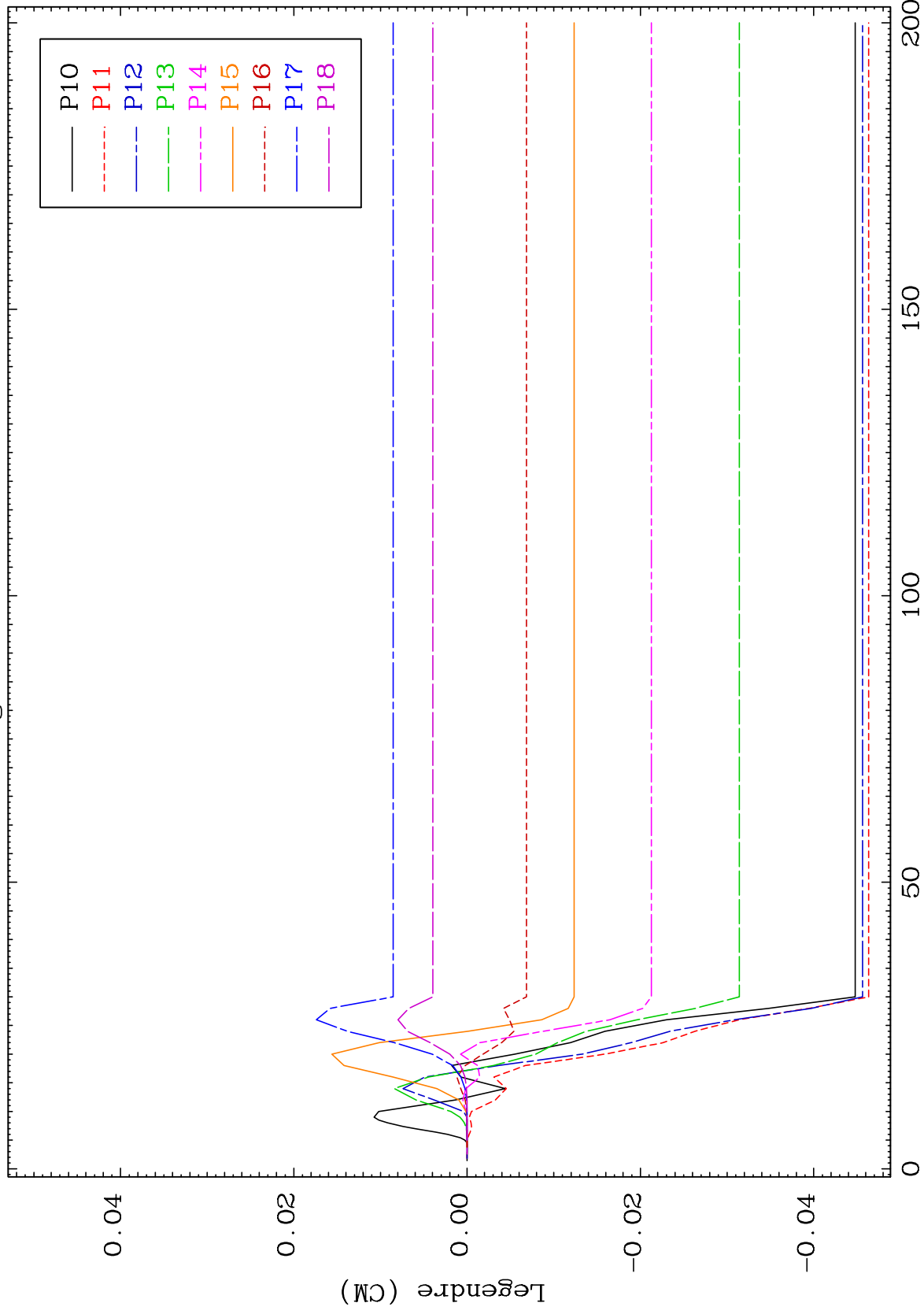
Incident Energy (MeV)

28

MAT 6234

716.6 keV (n,n') Level
Legendre Coefficients

62-Sm-147



29

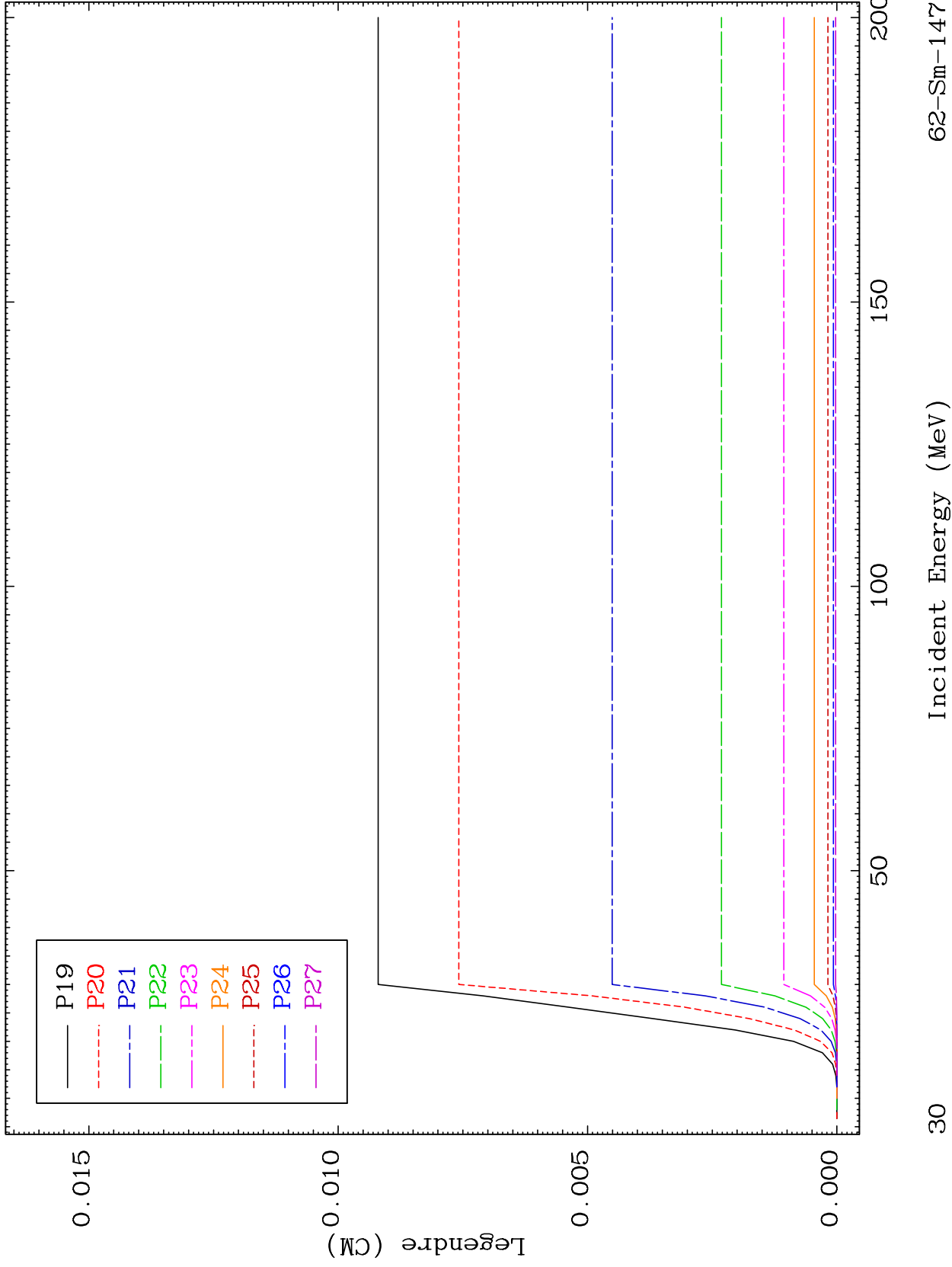
Incident Energy (MeV)

62-Sm-147

MAT 6234

716.6 keV (n,n') Level
Legendre Coefficients

62-Sm-147



30

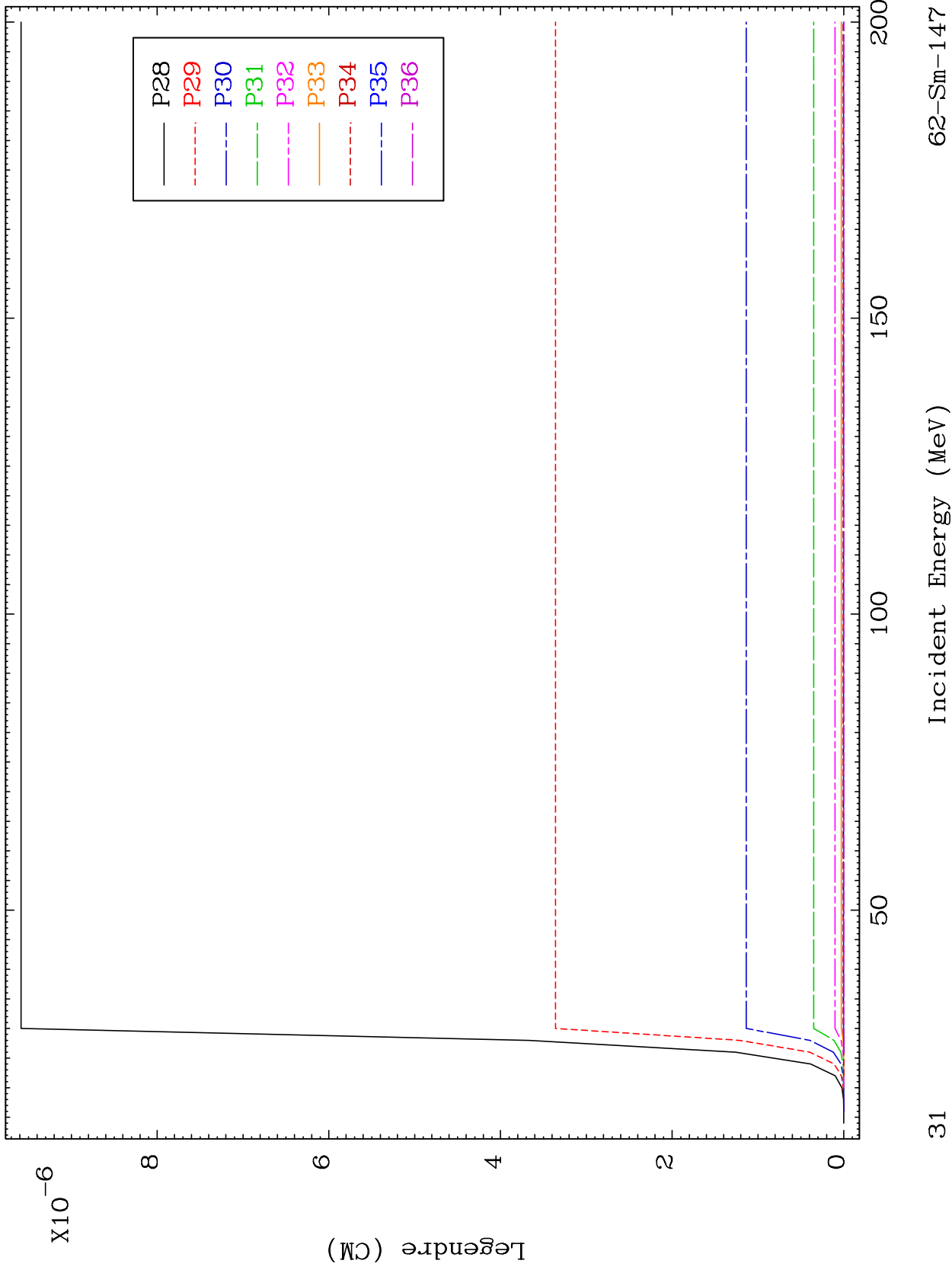
Incident Energy (MeV)

62-Sm-147

MAT 6234

716.6 keV (n,n') Level
Legendre Coefficients

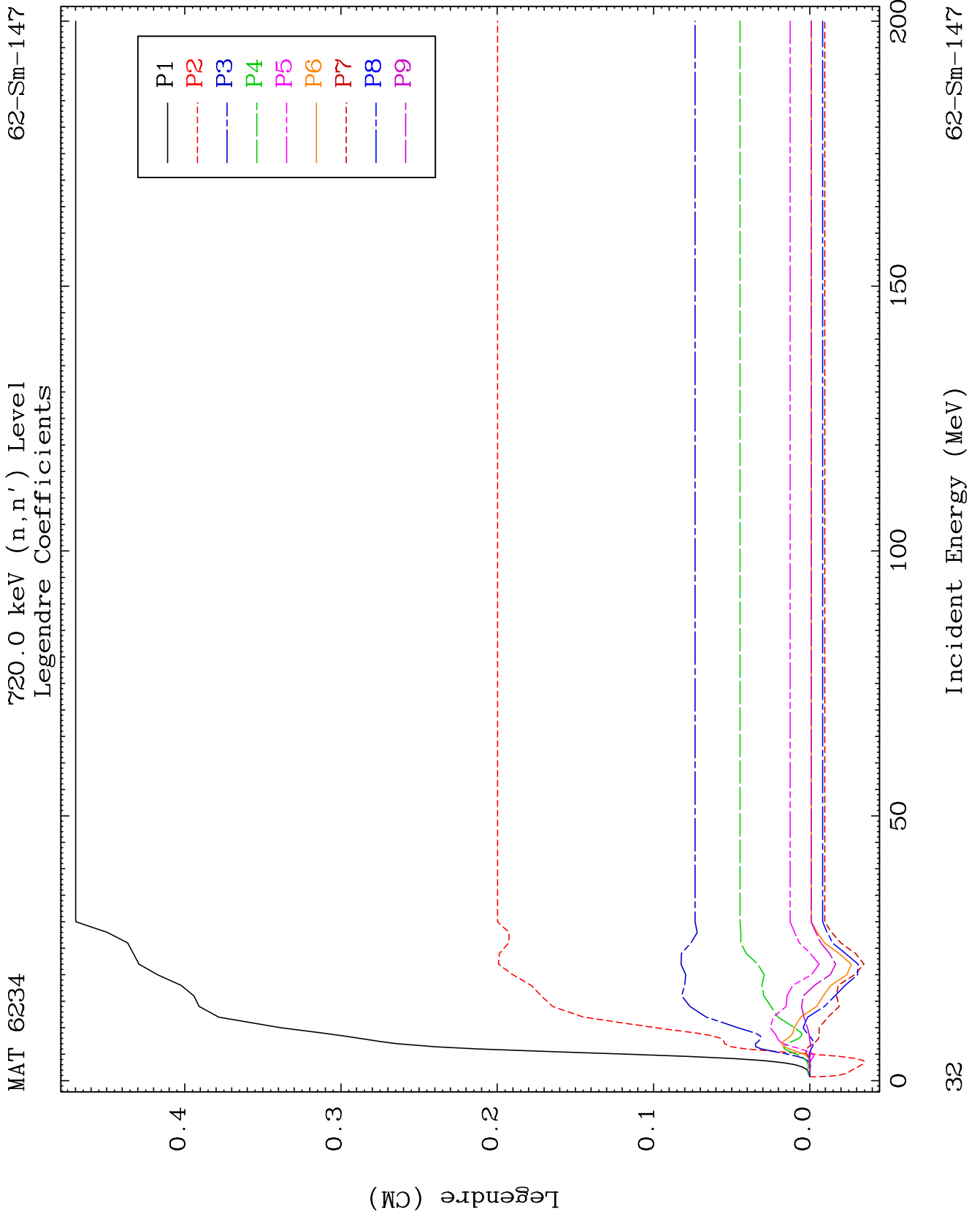
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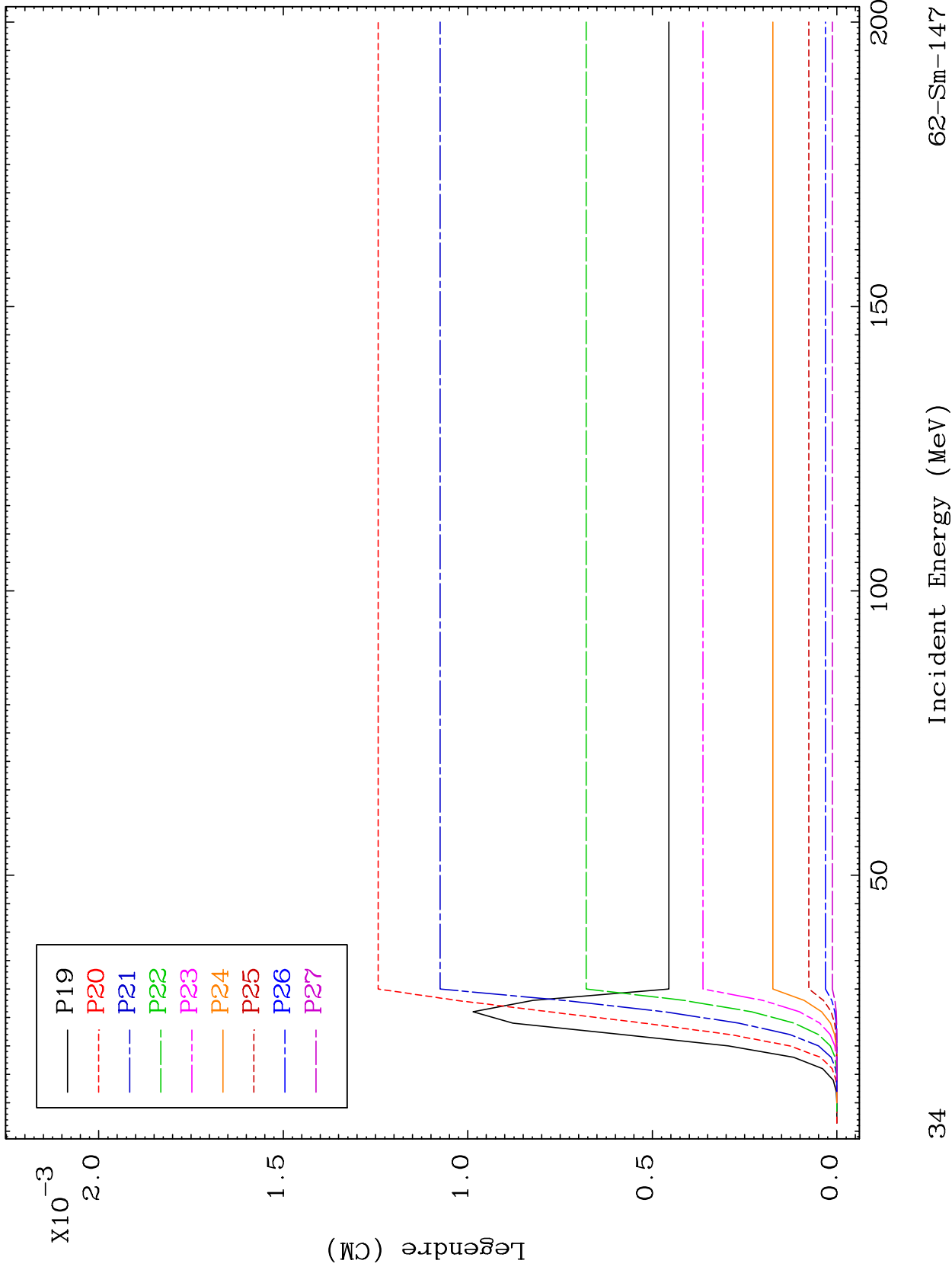


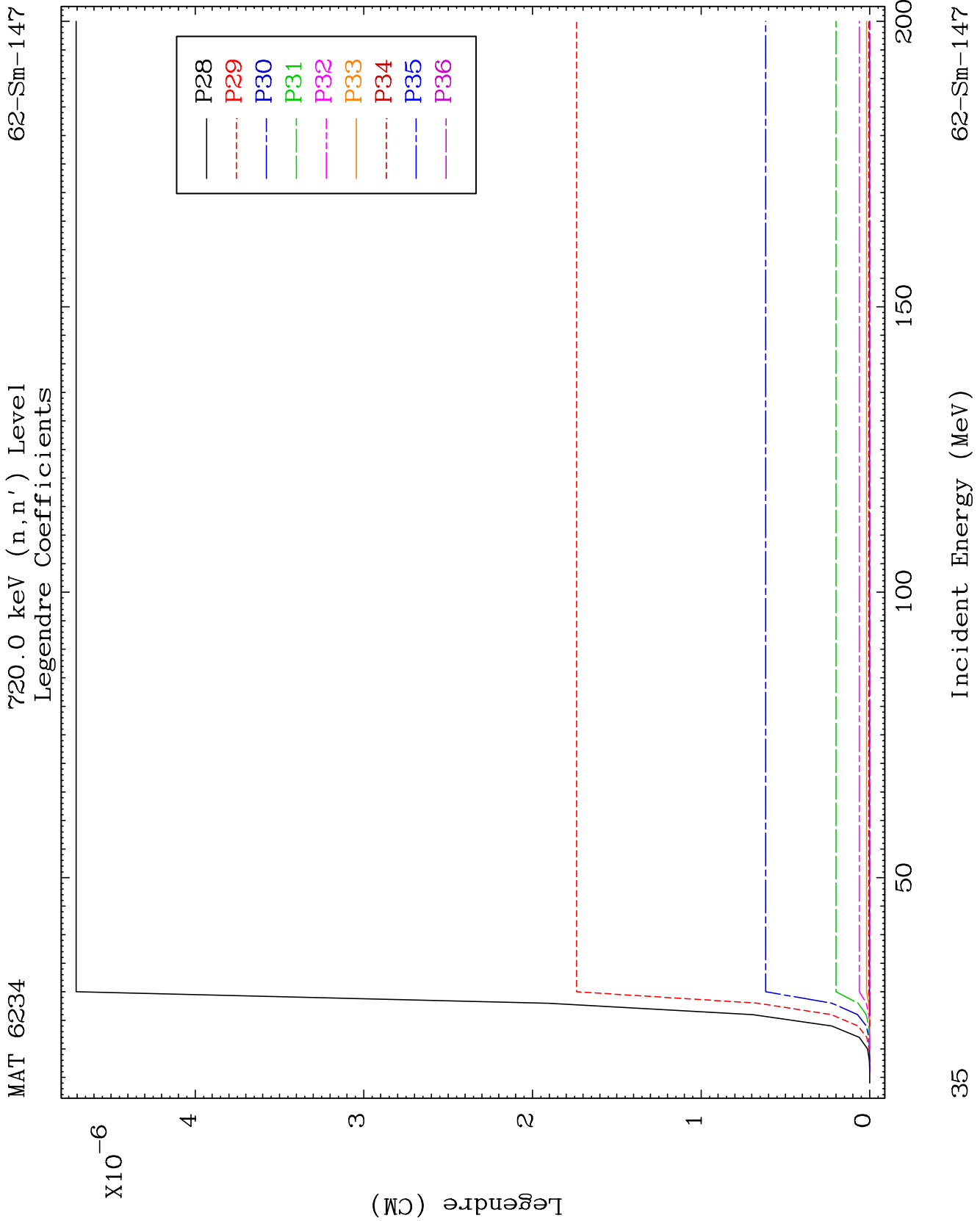
31

Incident Energy (MeV)

62-Sm-147



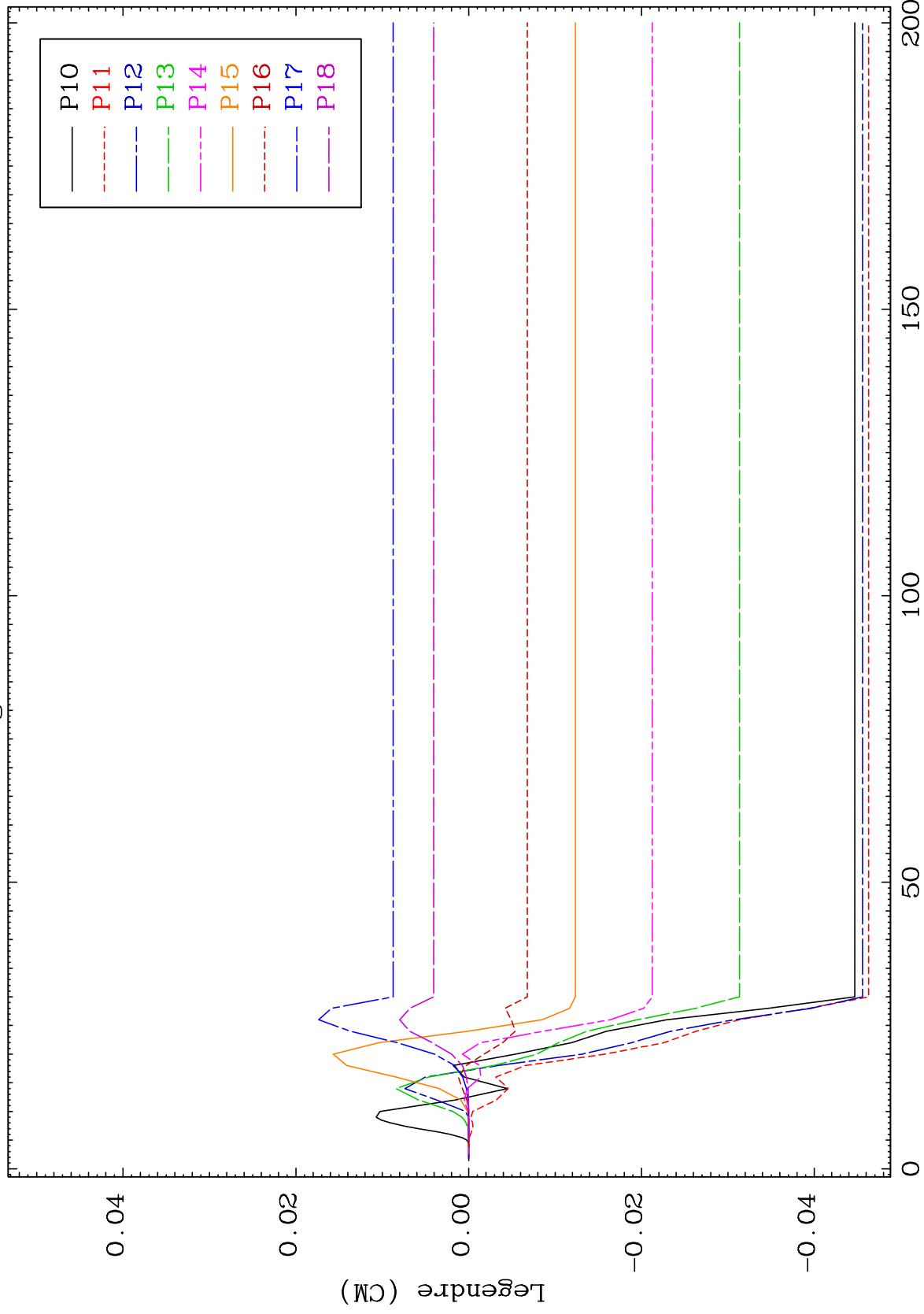




MAT 6234

798.7 keV (n,n') Level
Legendre Coefficients

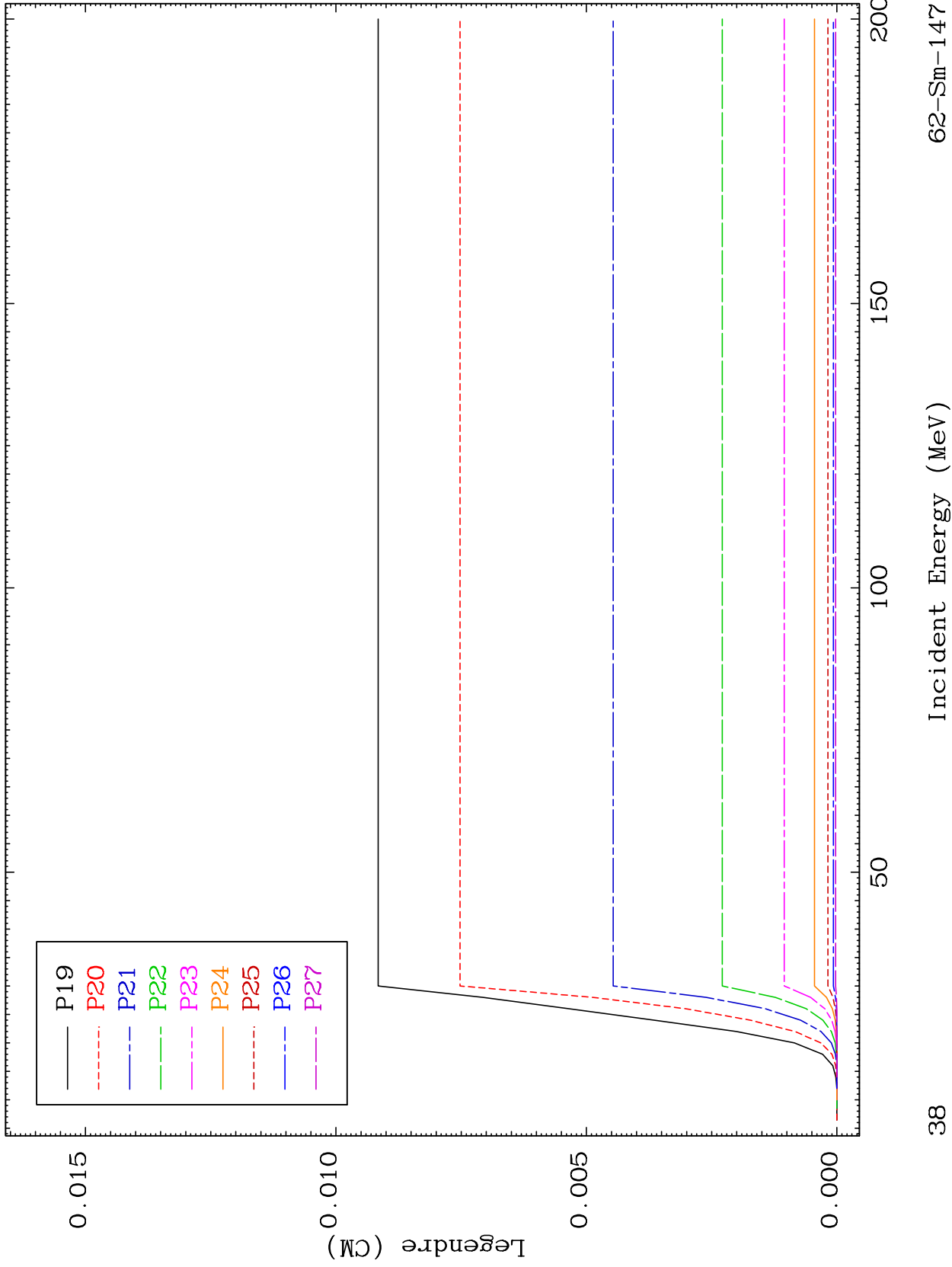
62-Sm-147



37

Incident Energy (MeV)

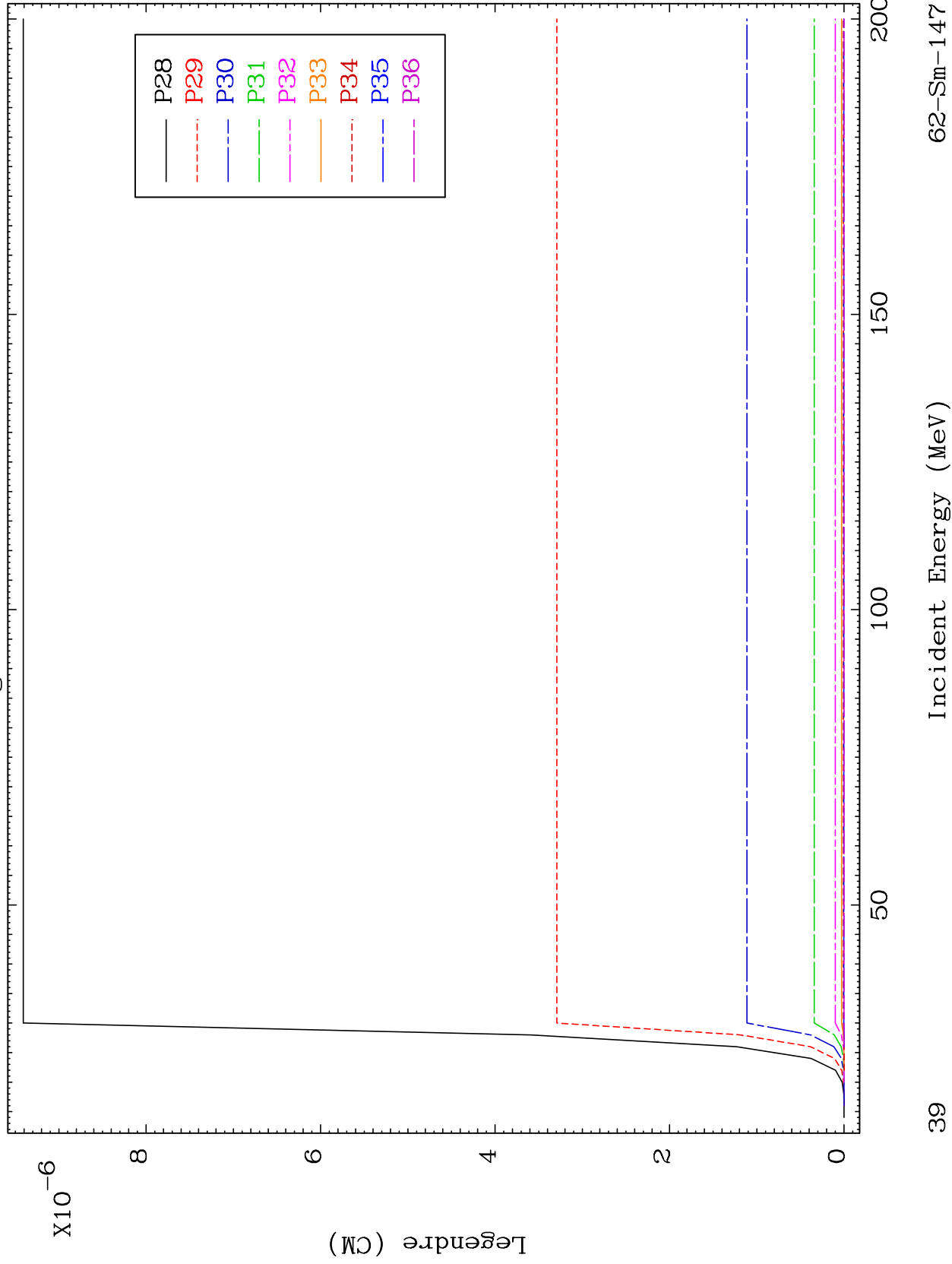
62-Sm-147



MAT 6234

798.7 keV (n,n') Level
Legendre Coefficients

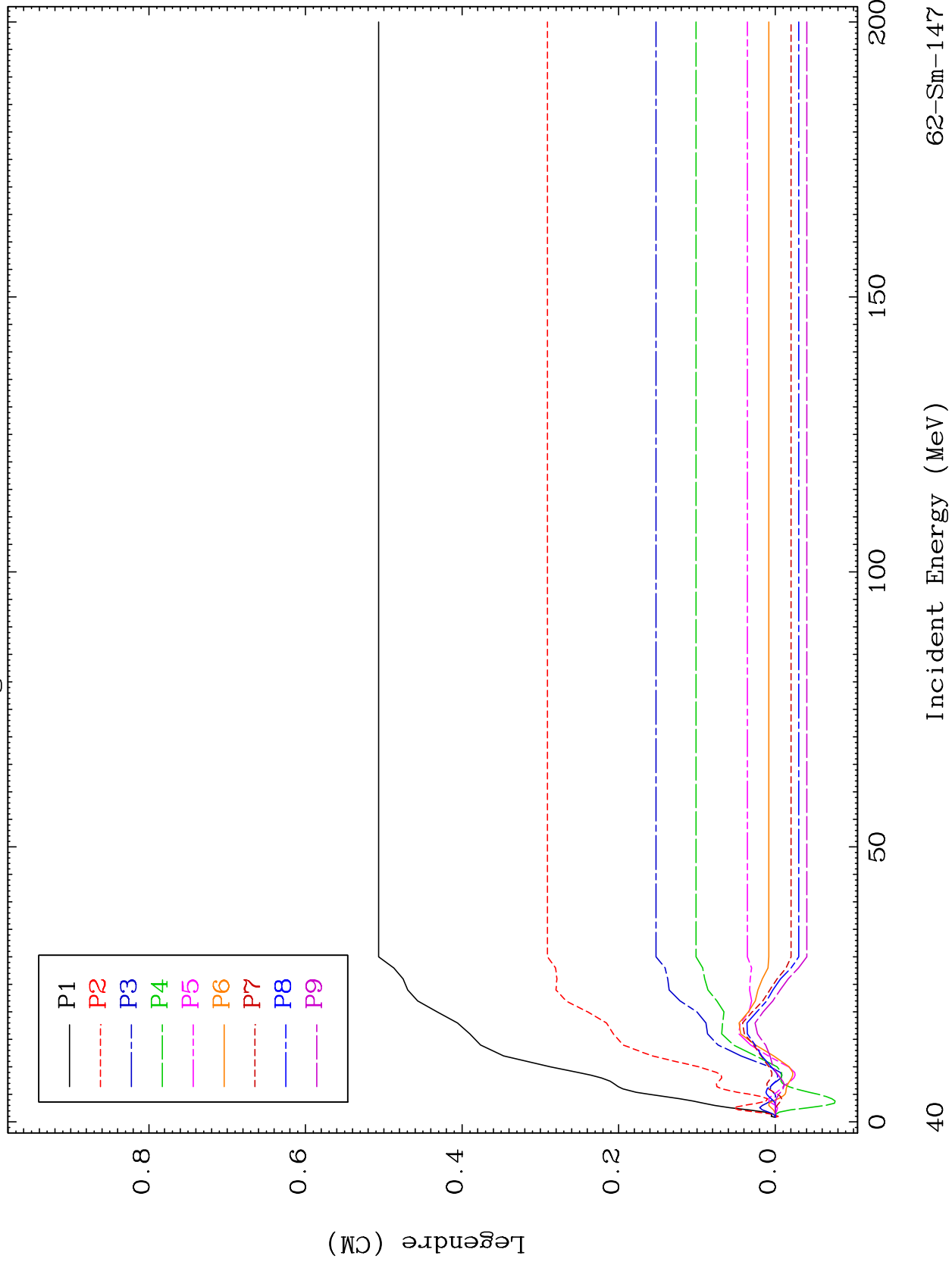
62-Sm-147



MAT 6234

809.4 keV (n,n') Level
Legendre Coefficients

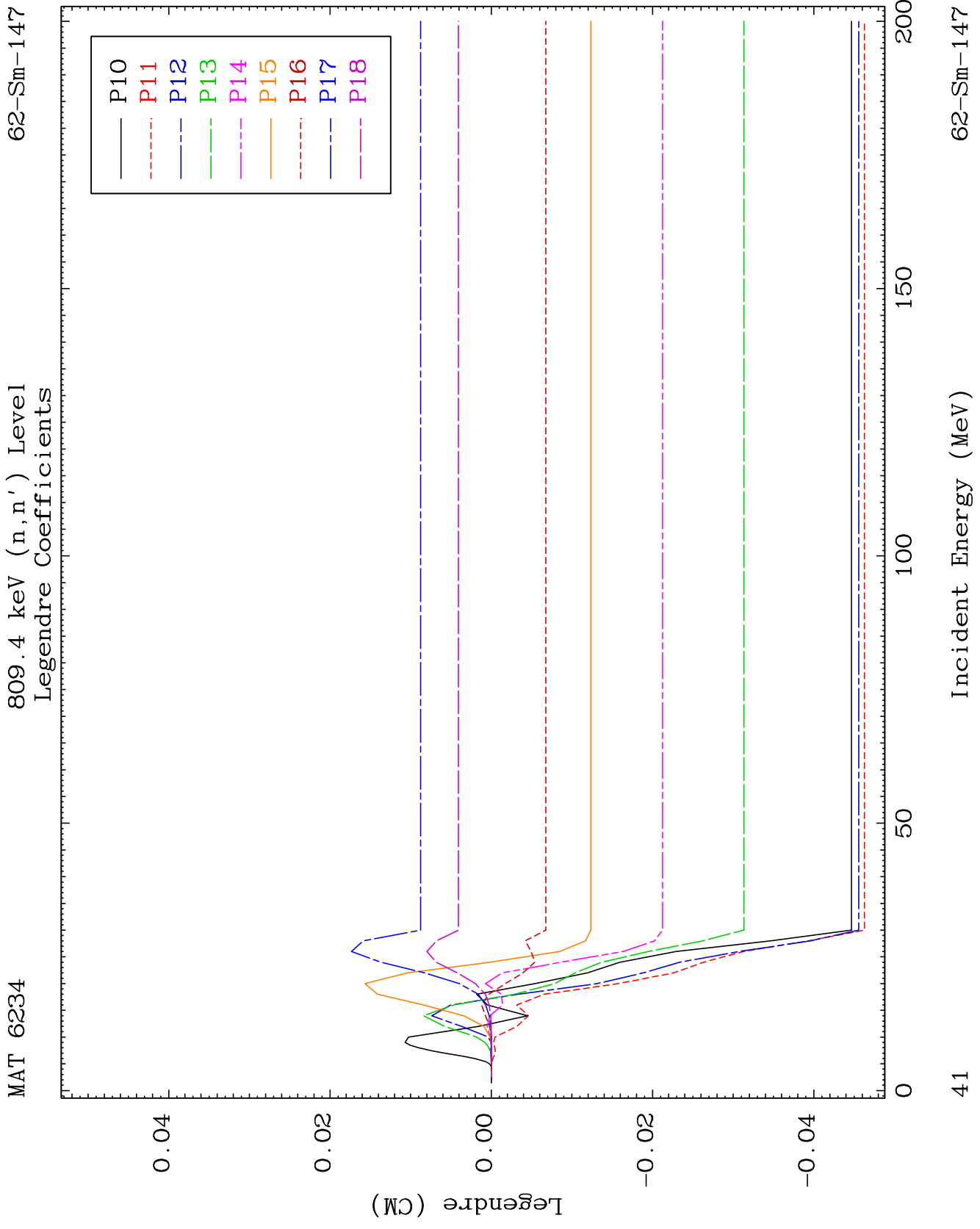
62-Sm-147



62-Sm-147

Incident Energy (MeV)

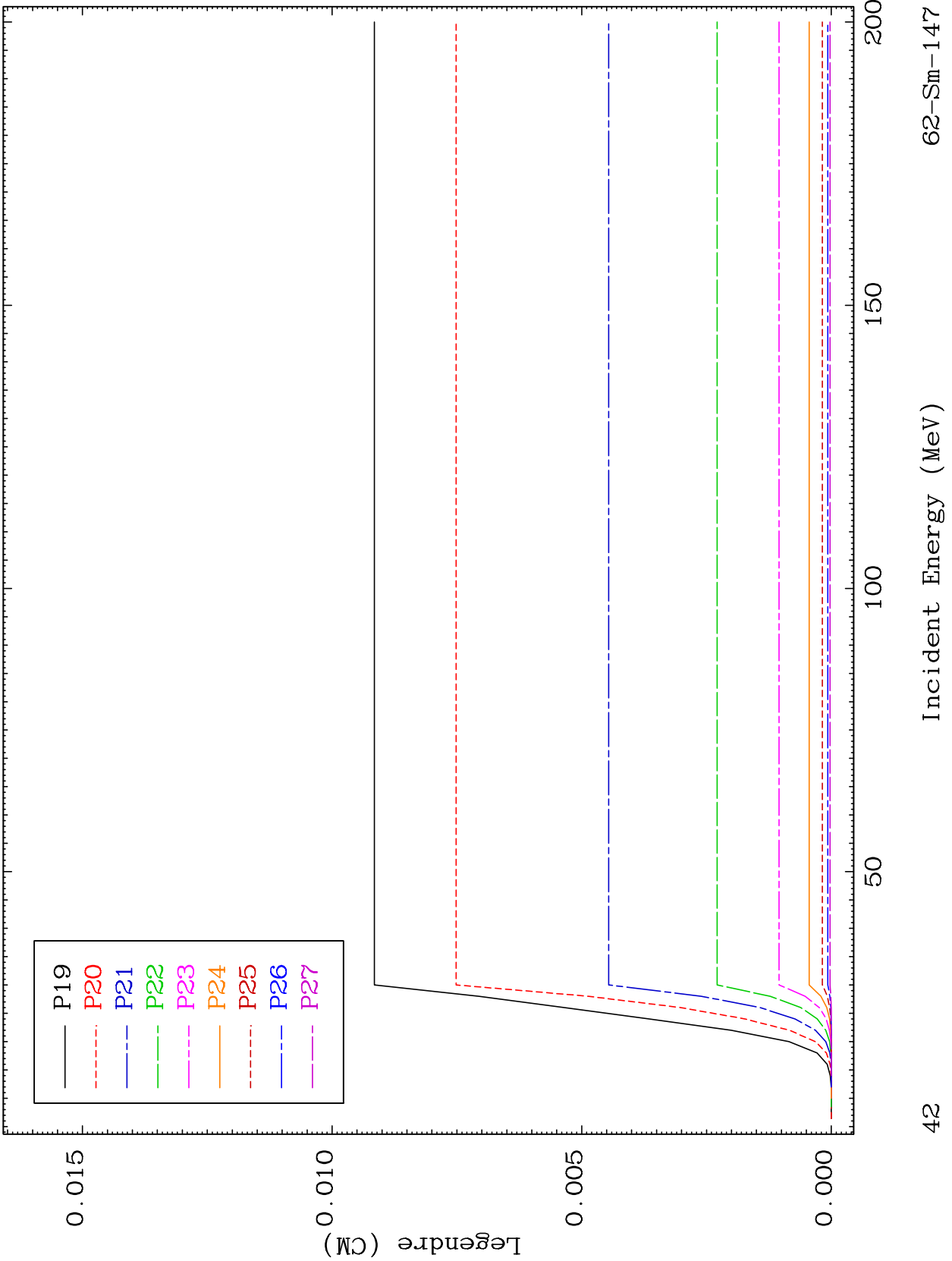
40



MAT 6234

809.4 keV (n,n') Level
Legendre Coefficients

62-Sm-147



42

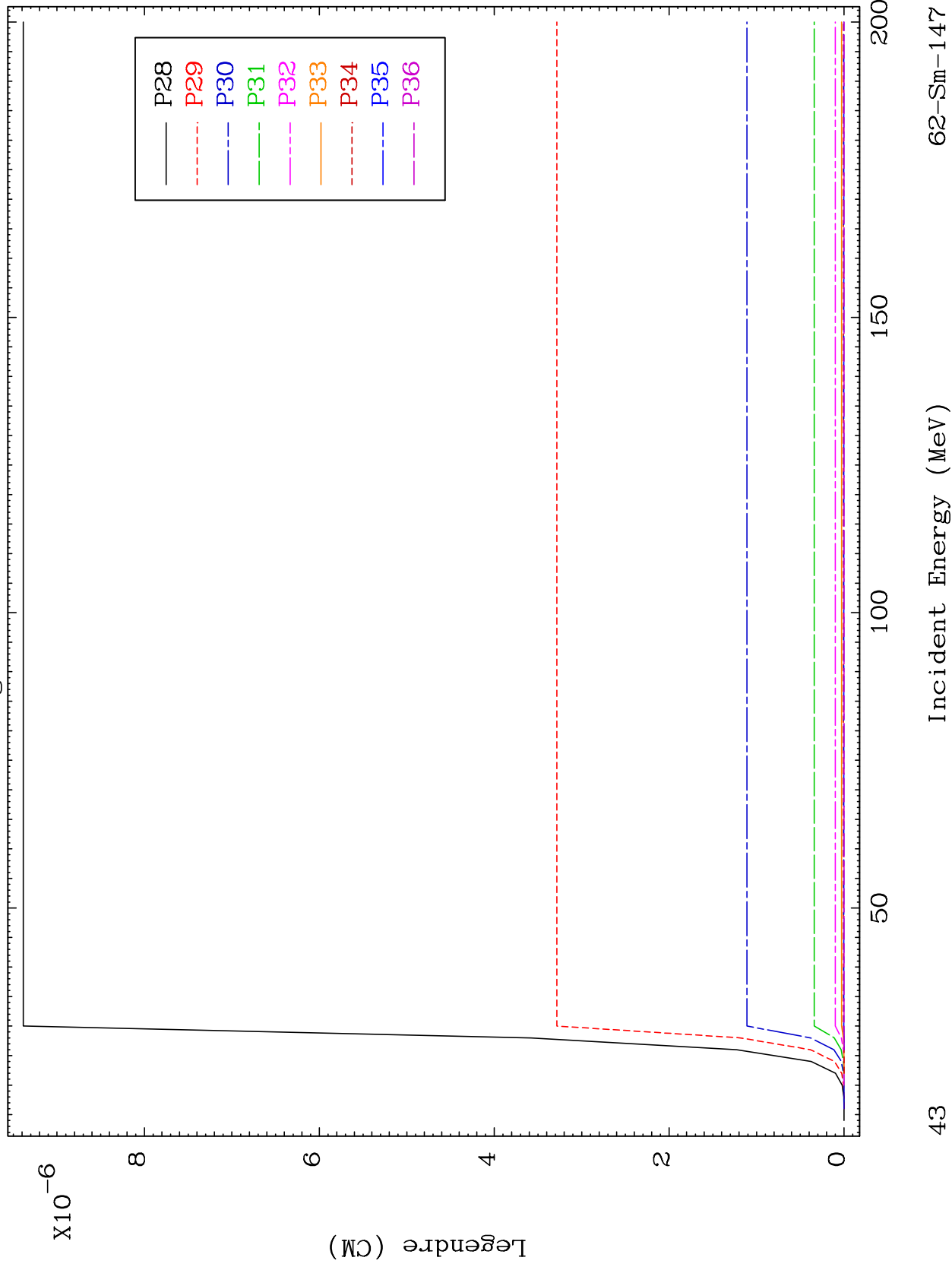
Incident Energy (MeV)

62-Sm-147

MAT 6234

809.4 keV (n,n') Level
Legendre Coefficients

62-Sm-147



43

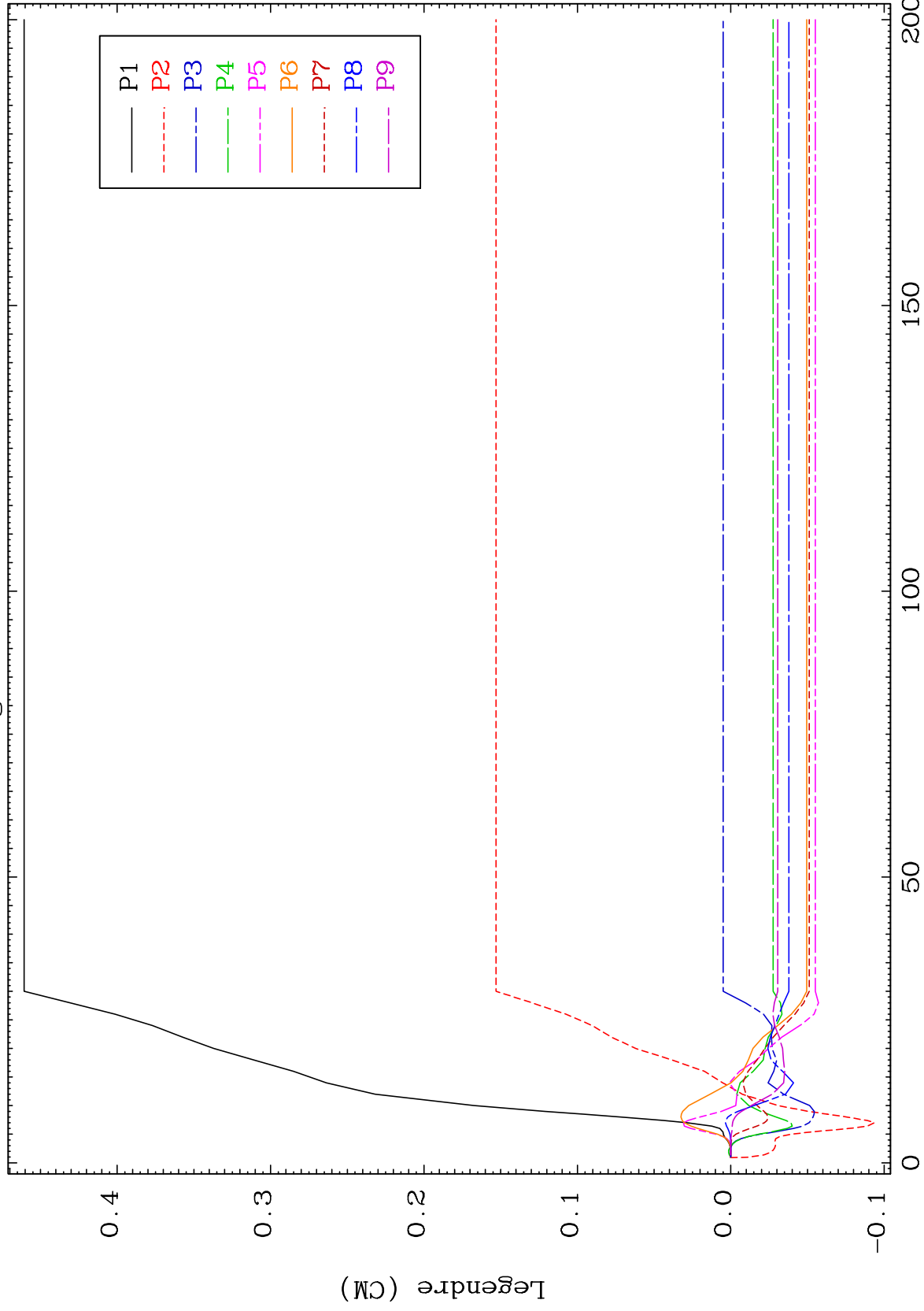
Incident Energy (MeV)

62-Sm-147

MAT 6234

884.0 keV (n,n') Level
Legendre Coefficients

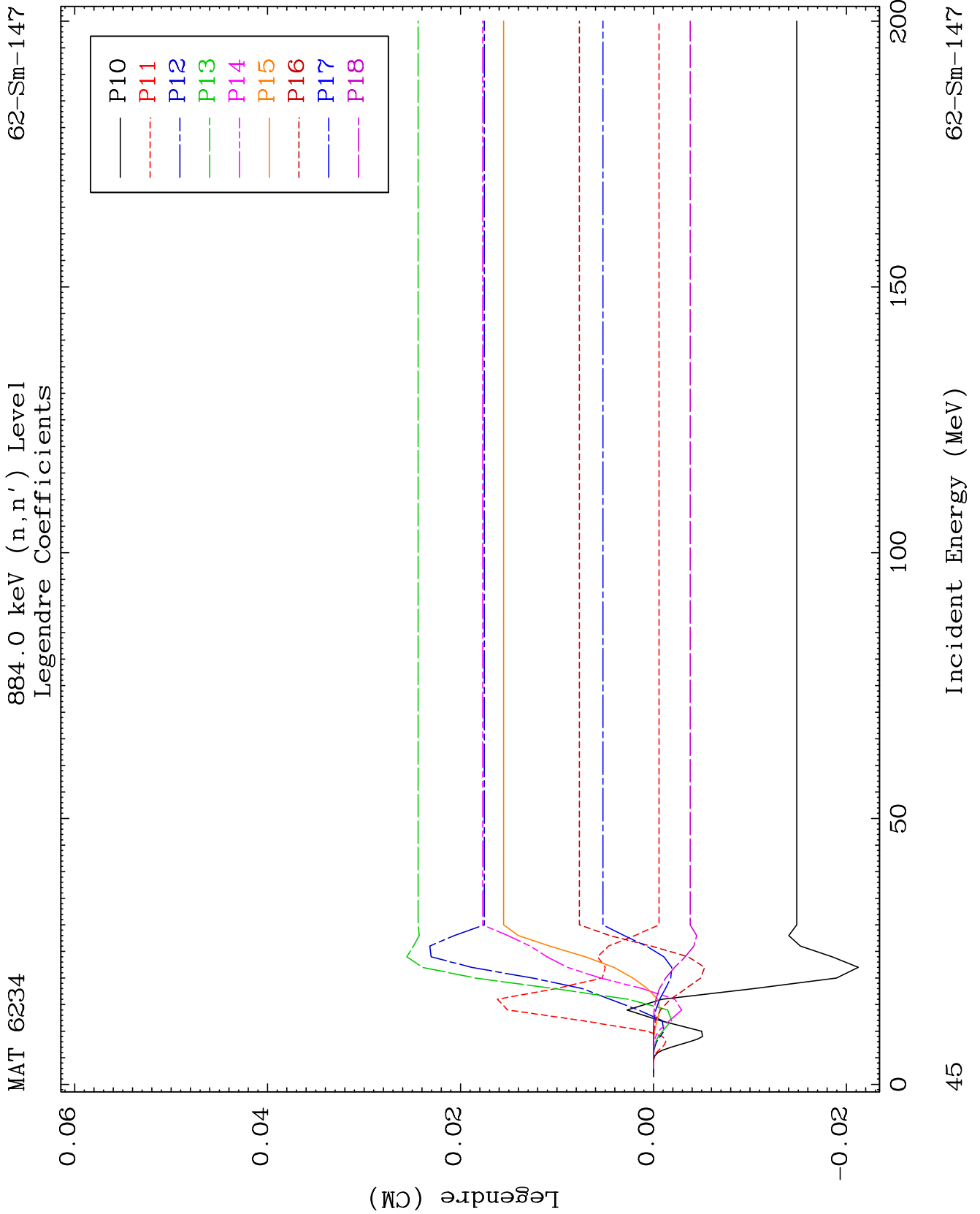
62-Sm-147



44

Incident Energy (MeV)

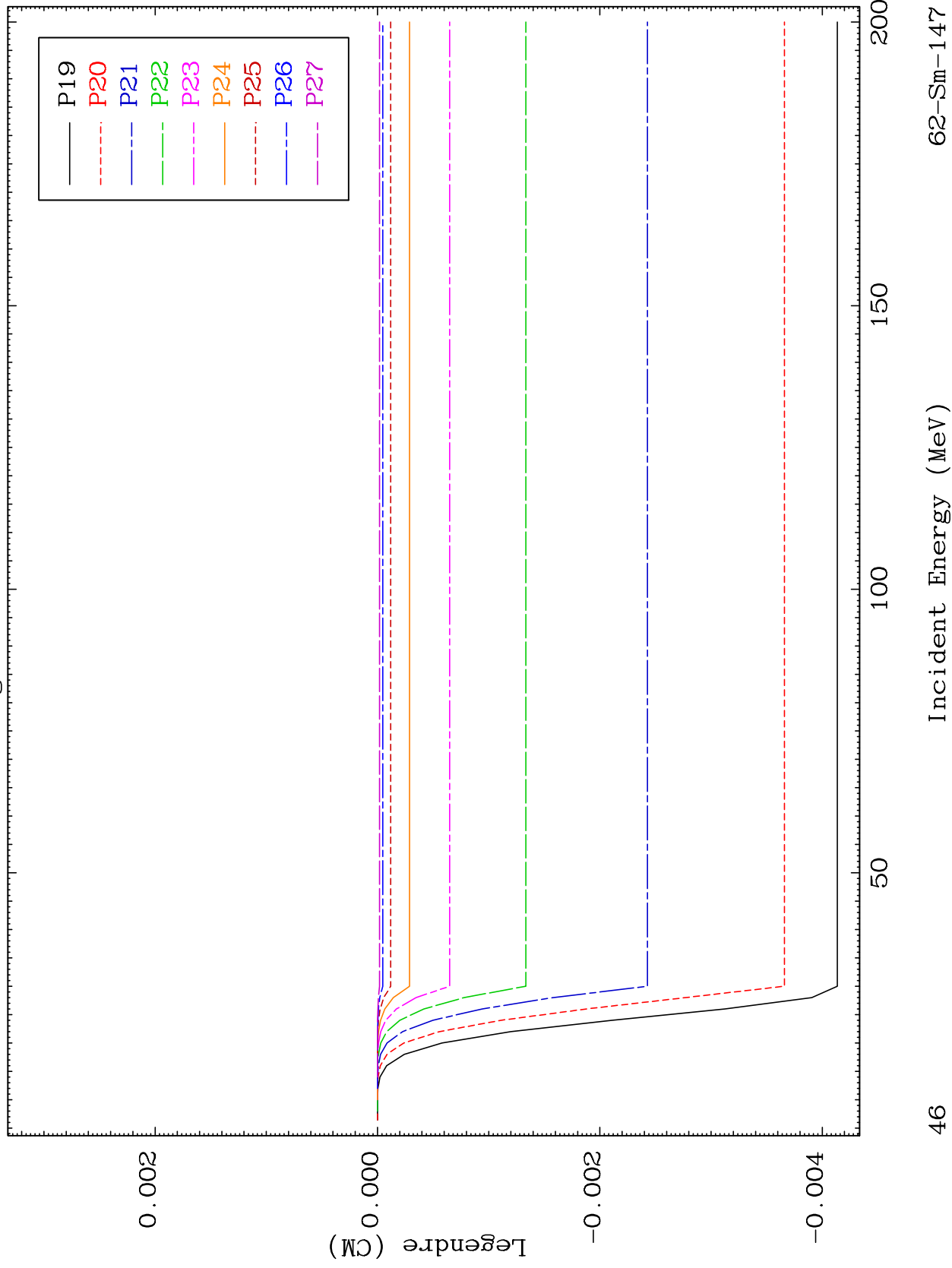
62-Sm-147



MAT 6234

884.0 keV (n,n') Level
Legendre Coefficients

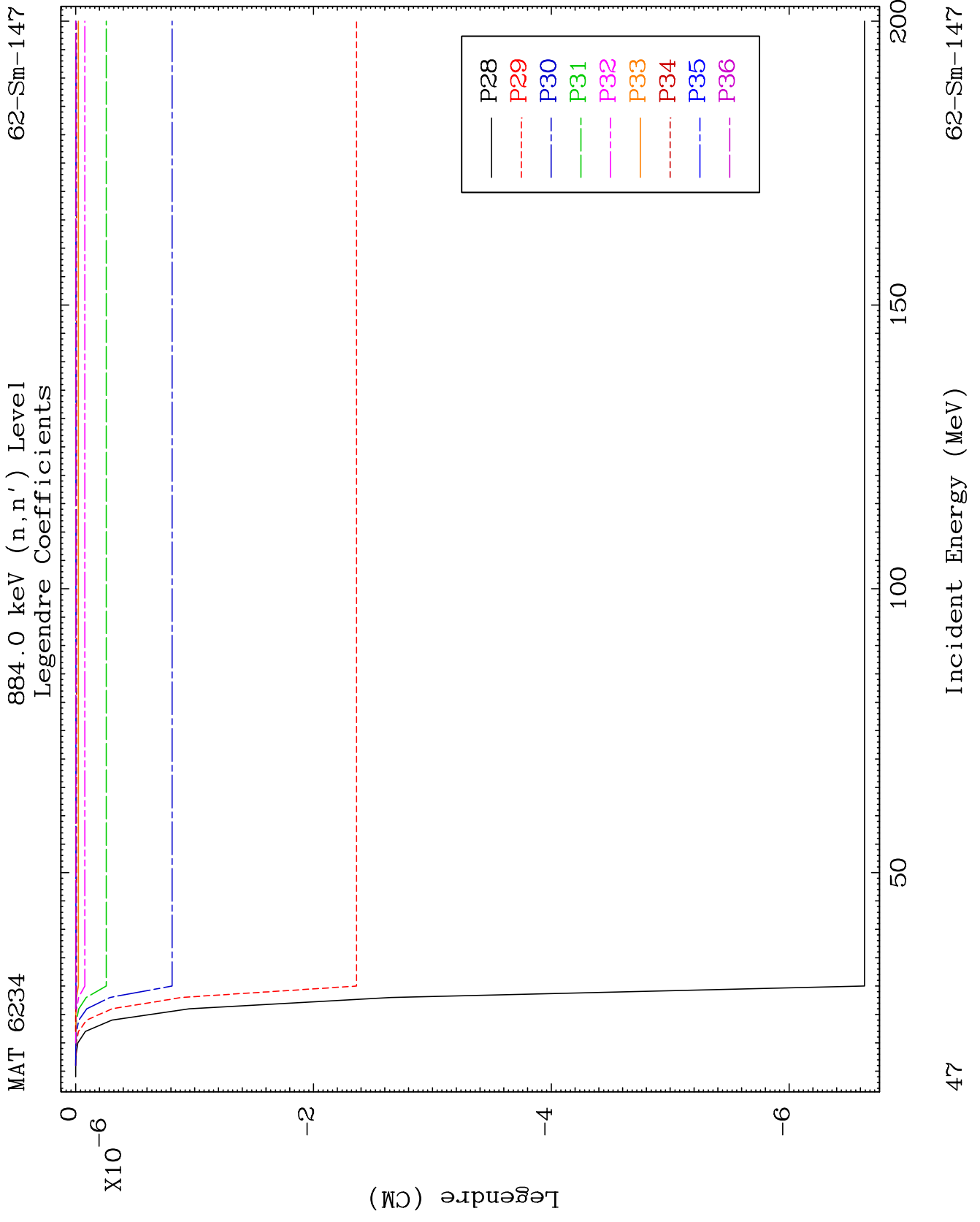
62-Sm-147



46

Incident Energy (MeV)

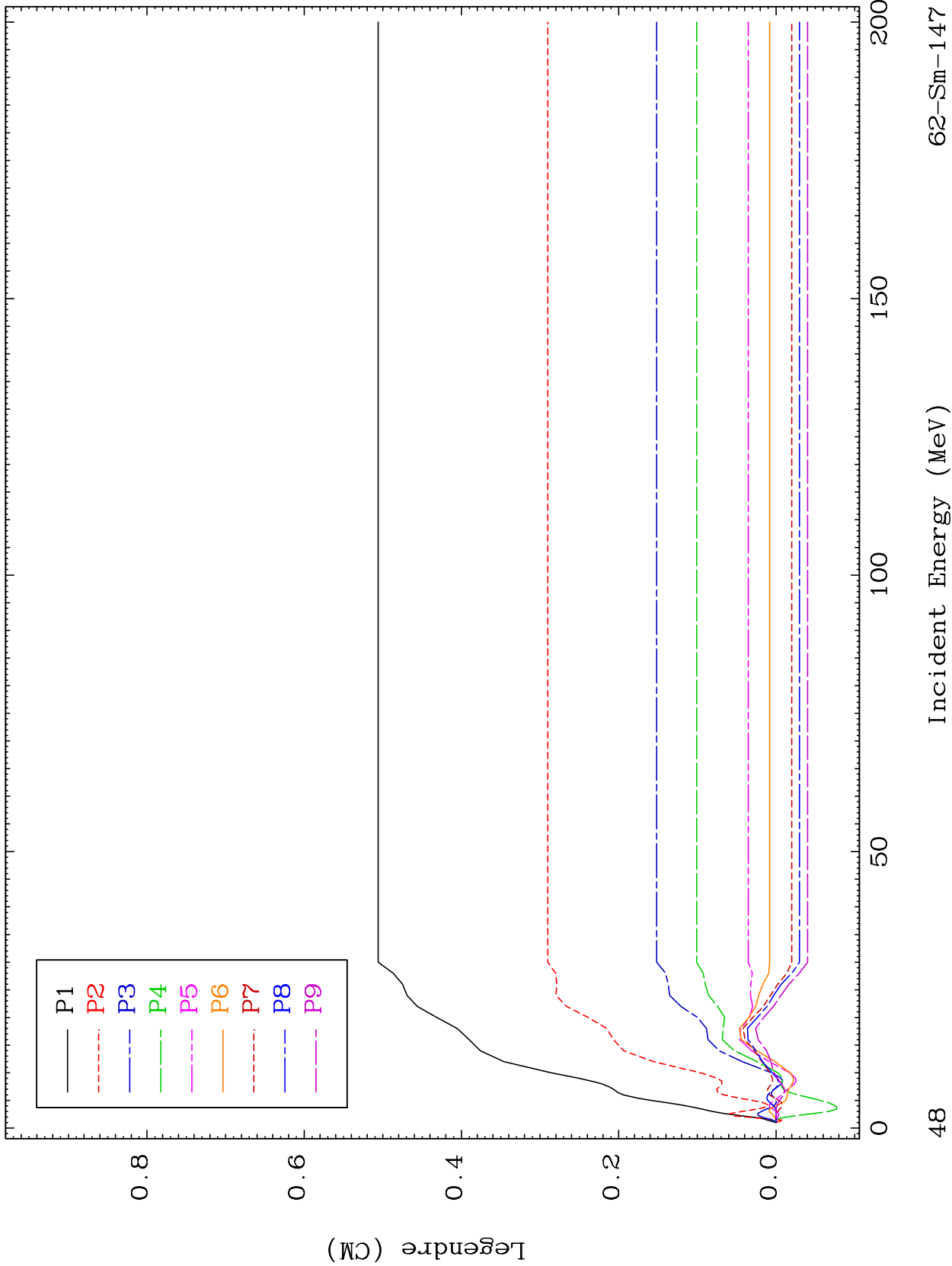
62-Sm-147



MAT 6234

900.0 keV (n,n') Level
Legendre Coefficients

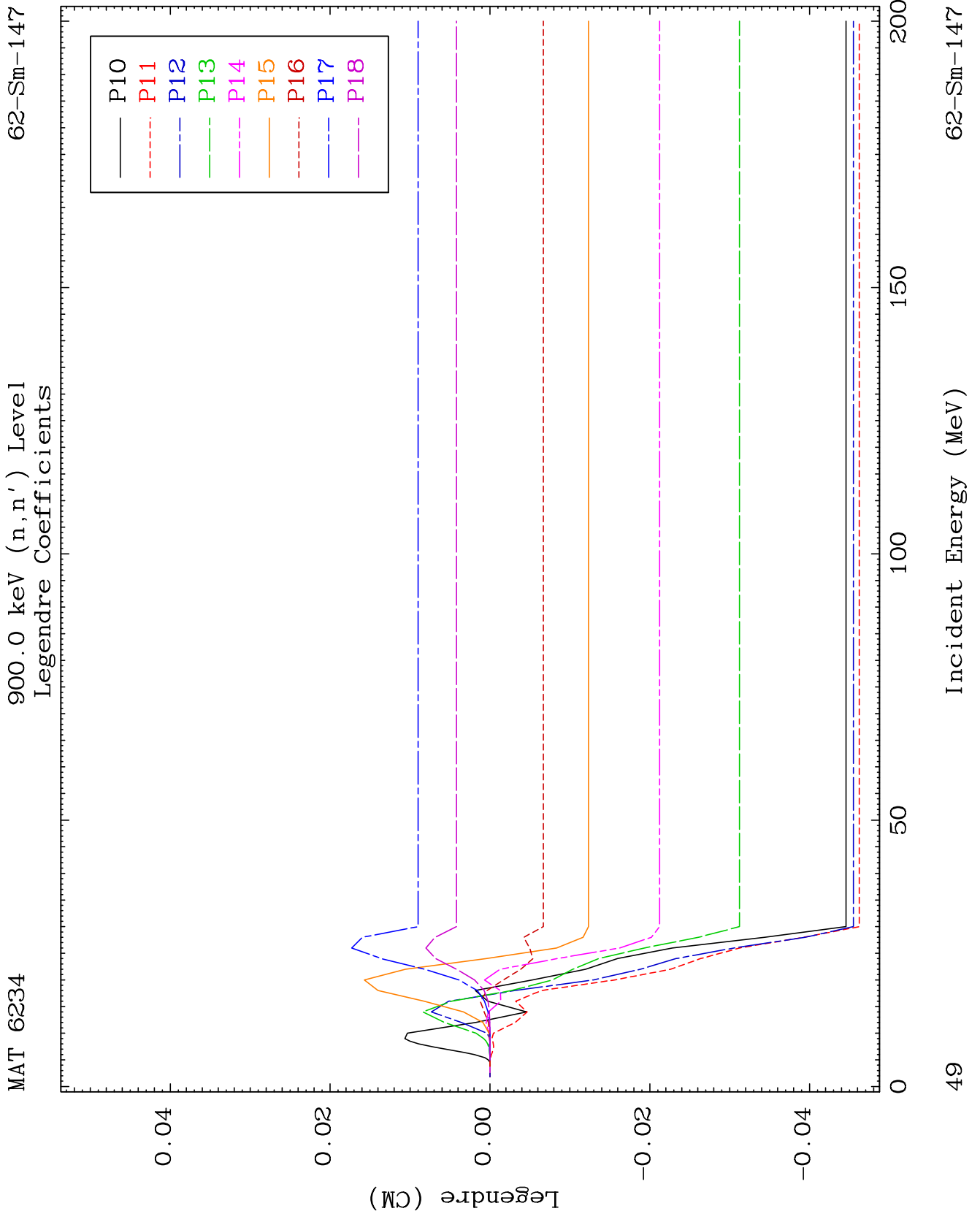
62-Sm-147



62-Sm-147

Incident Energy (MeV)

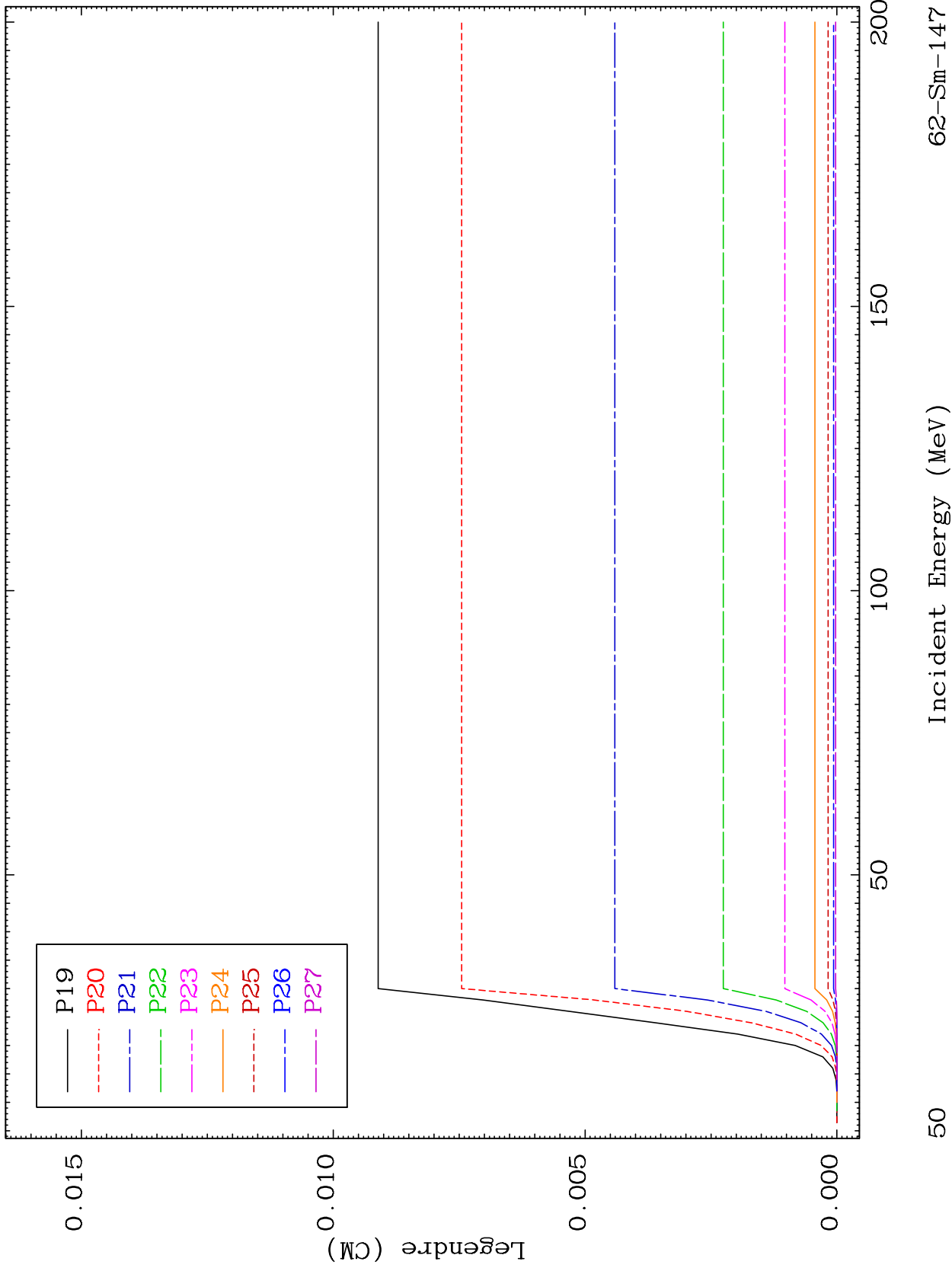
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MAT 6234

900.0 keV (n,n') Level
Legendre Coefficients

62-Sm-147



62-Sm-147

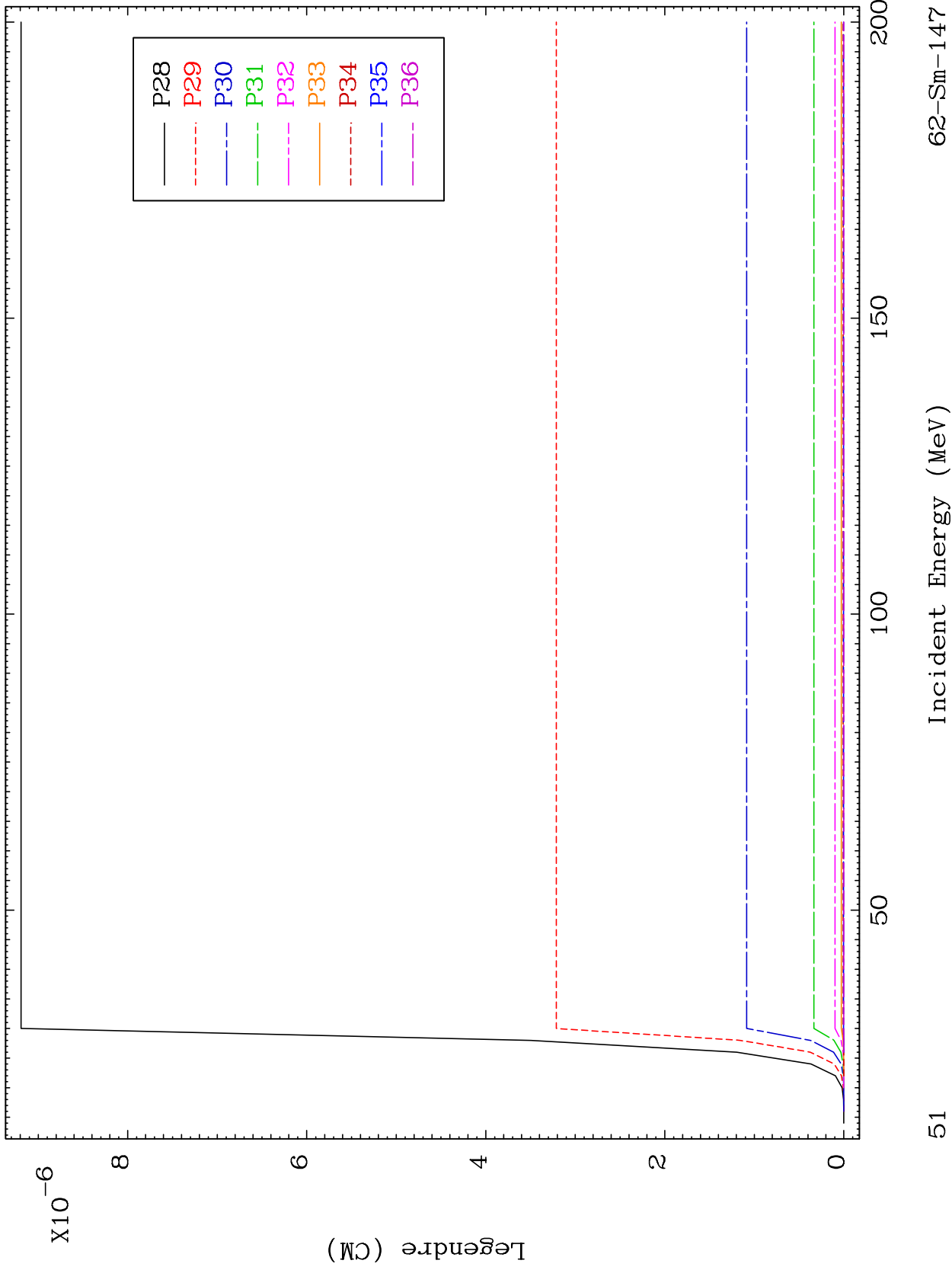
Incident Energy (MeV)

50

MAT 6234

900.0 keV (n,n') Level
Legendre Coefficients

62-Sm-147



51

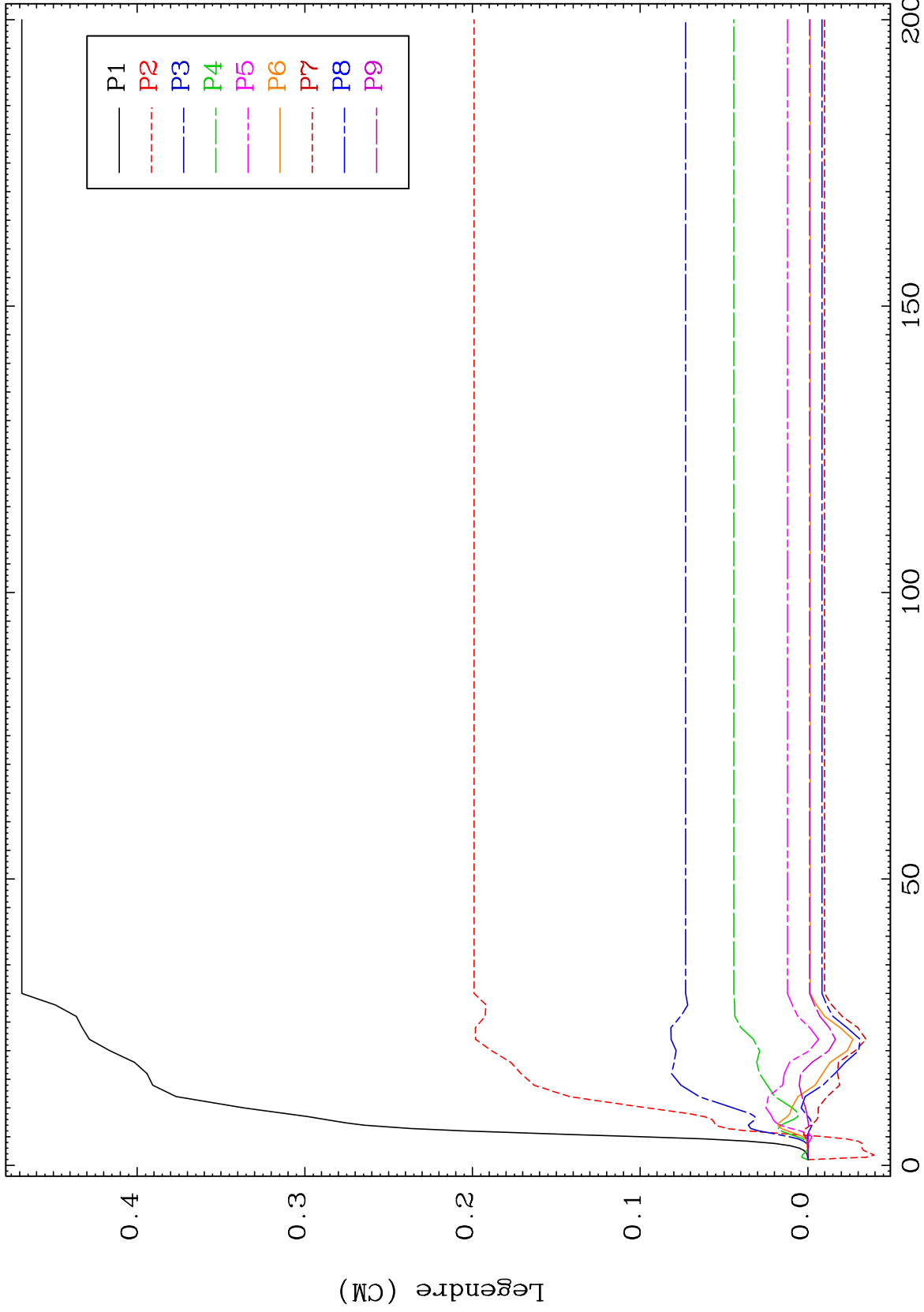
Incident Energy (MeV)

62-Sm-147

MAT 6234

922.7 keV (n,n') Level
Legendre Coefficients

62-Sm-147



62-Sm-147

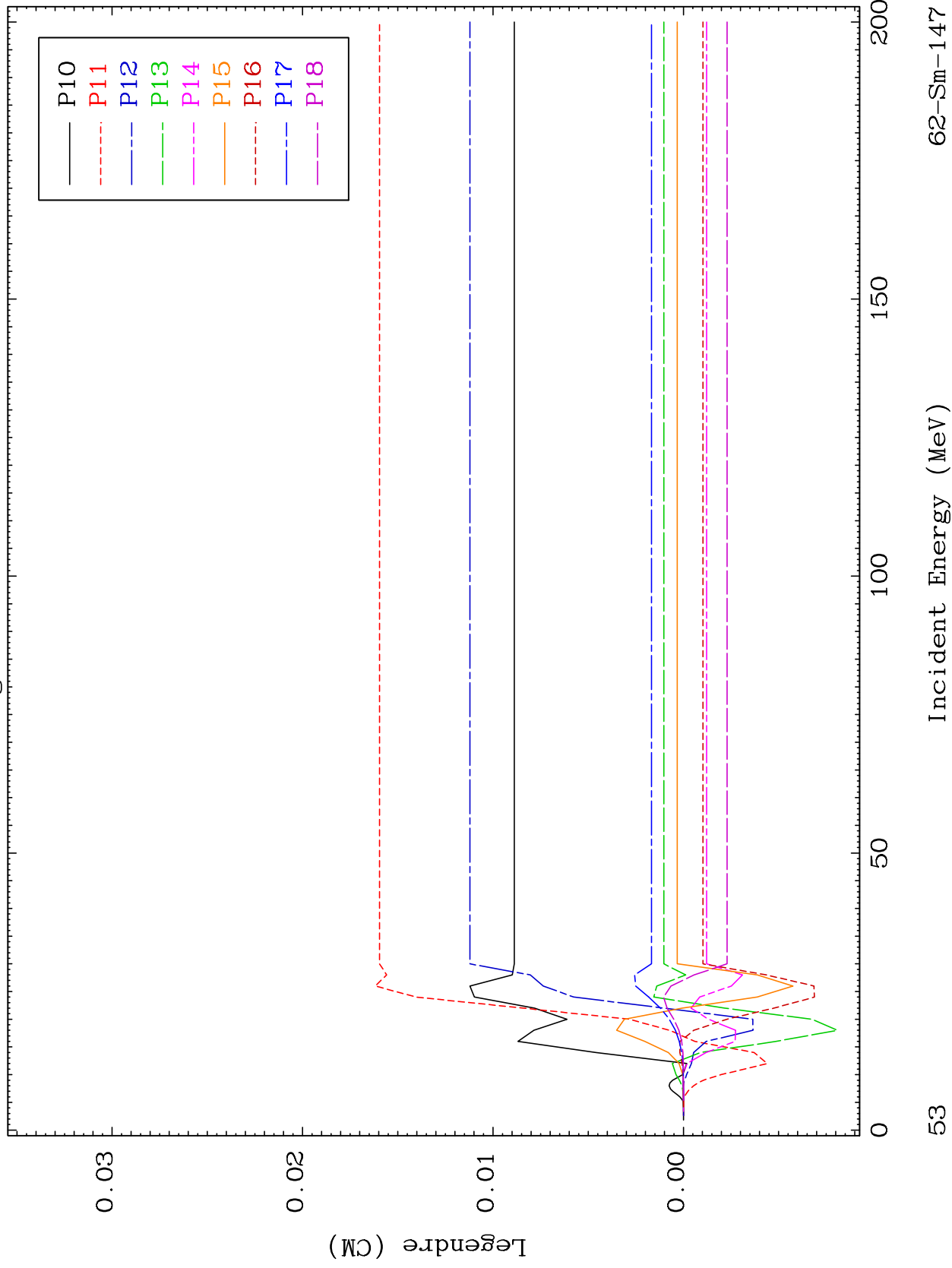
Incident Energy (MeV)

52

MAT 6234

922.7 keV (n,n') Level
Legendre Coefficients

62-Sm-147



62-Sm-147

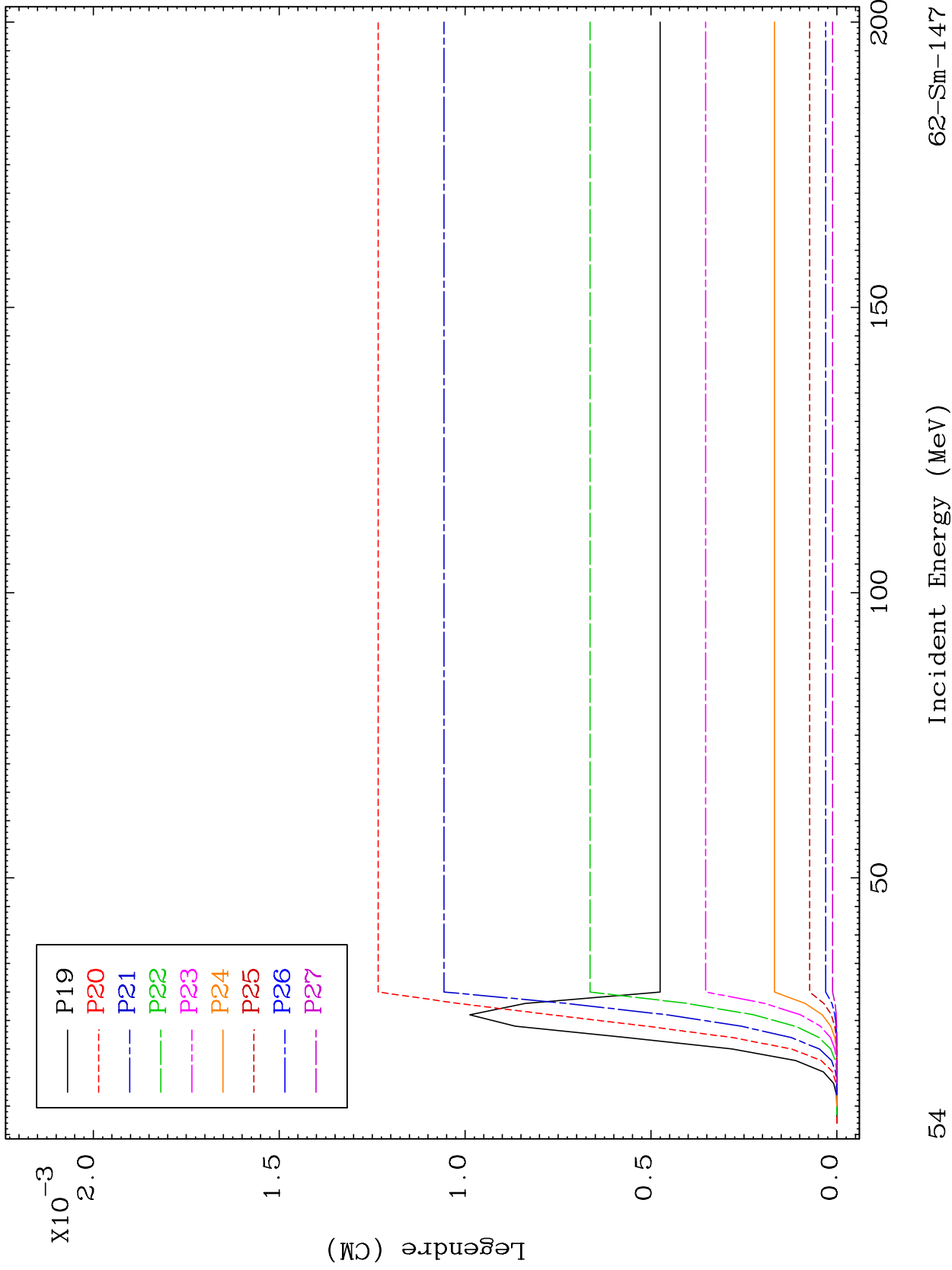
Incident Energy (MeV)

53

MAT 6234

922.7 keV (n,n') Level
Legendre Coefficients

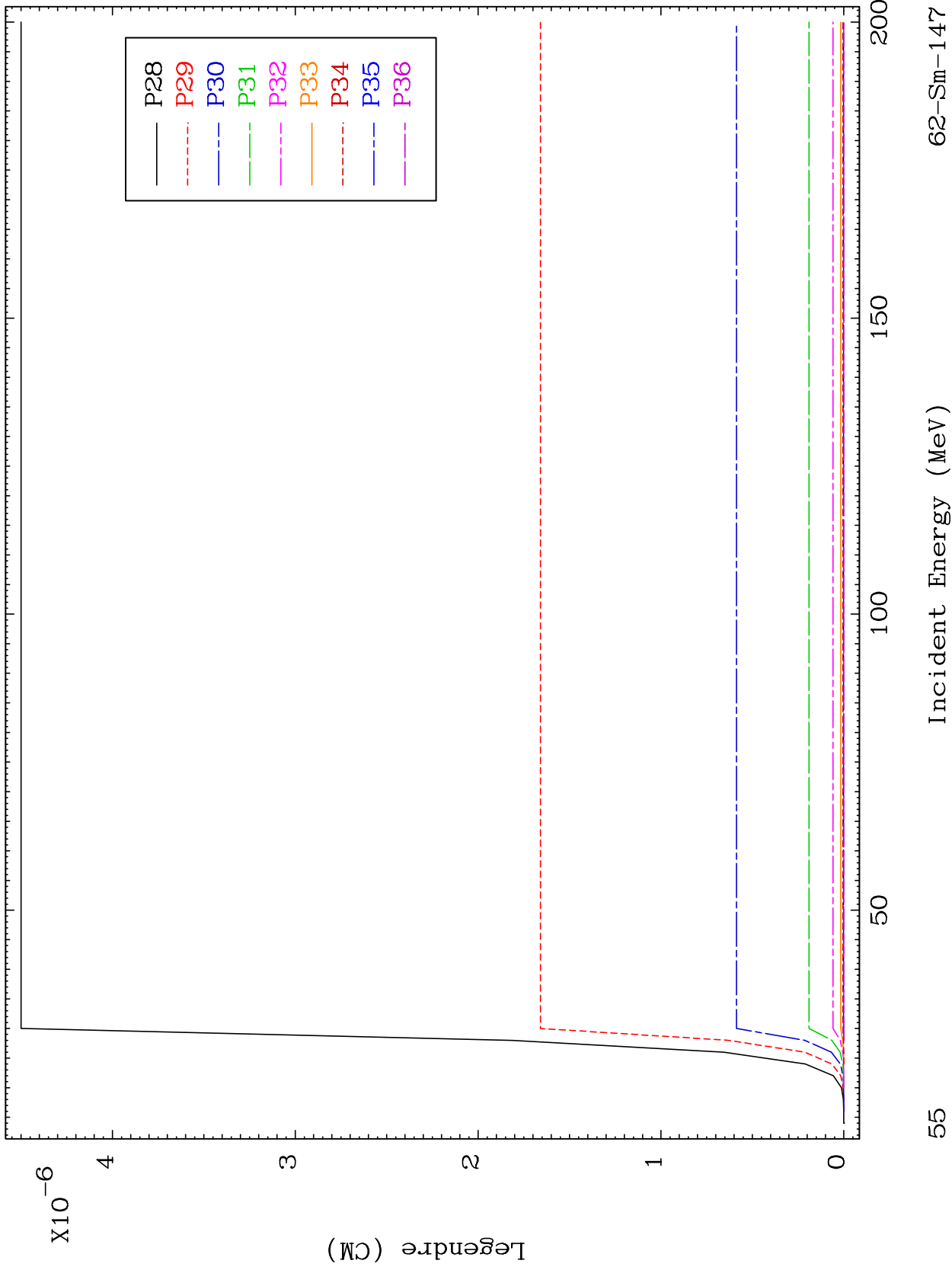
62-Sm-147



MAT 6234

922.7 keV (n,n') Level
Legendre Coefficients

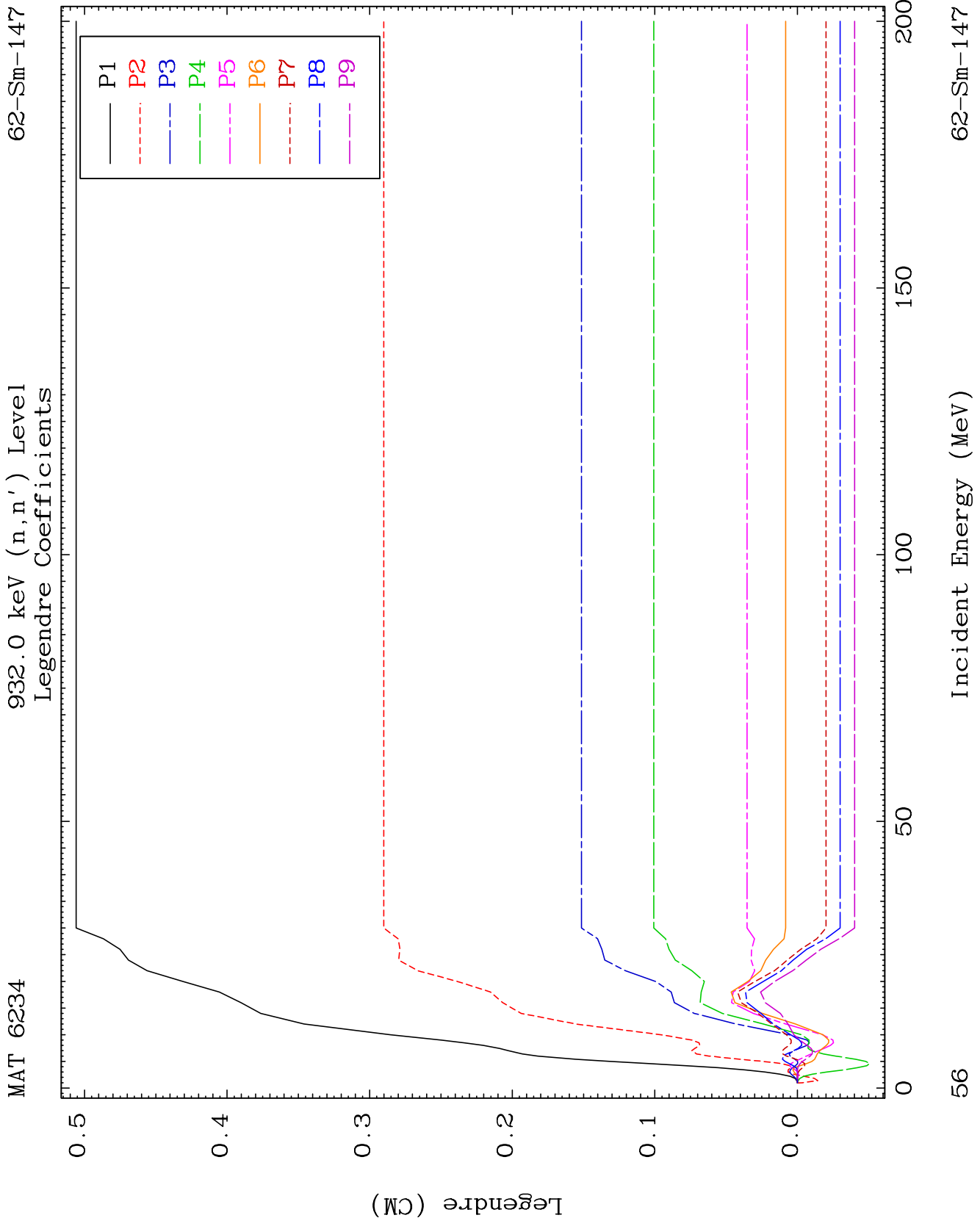
62-Sm-147



55

Incident Energy (MeV)

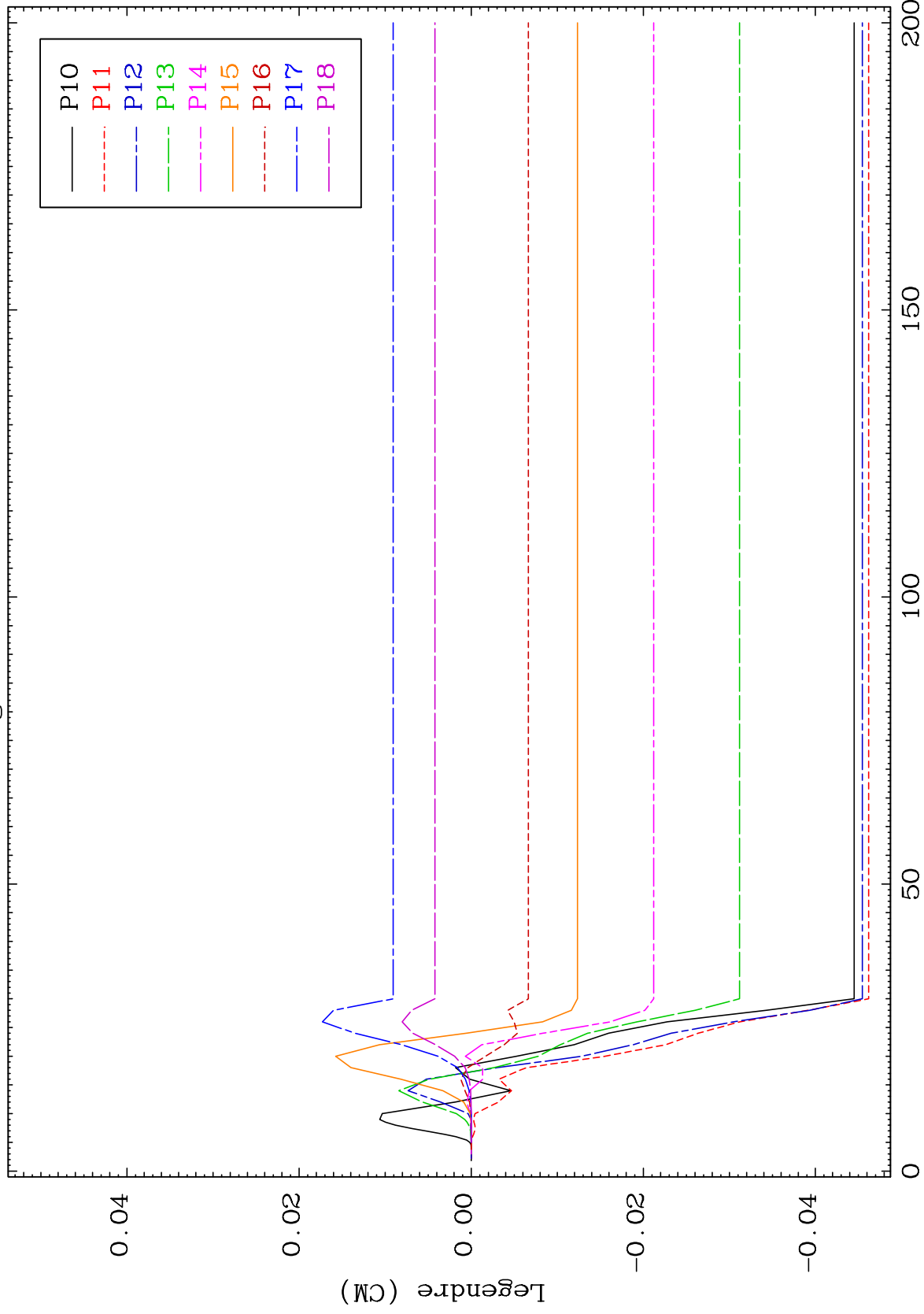
62-Sm-147



MAT 6234

932.0 keV (n,n') Level
Legendre Coefficients

62-Sm-147



57

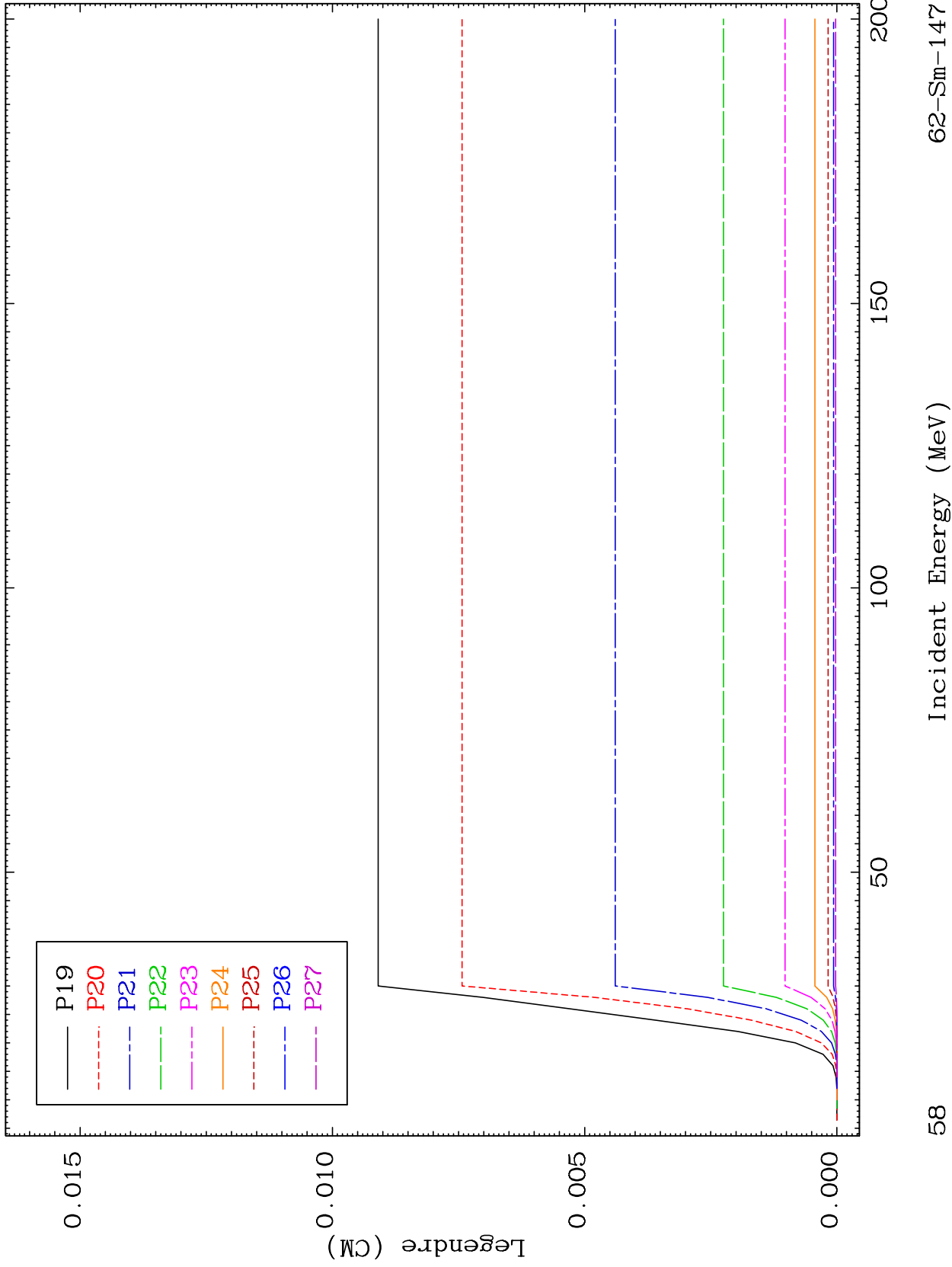
Incident Energy (MeV)

62-Sm-147

MAT 6234

932.0 keV (n,n') Level
Legendre Coefficients

62-Sm-147



58

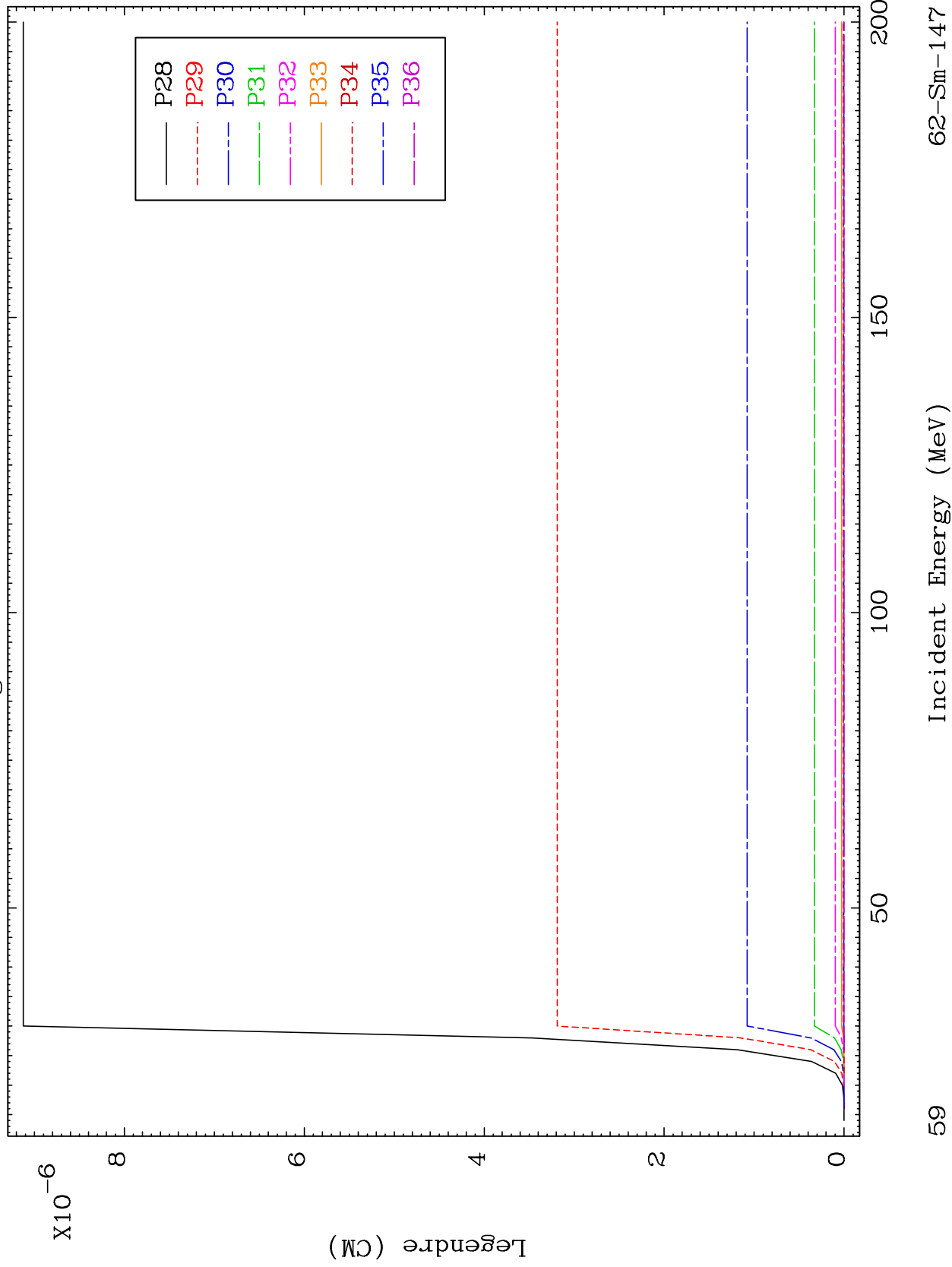
Incident Energy (MeV)

62-Sm-147

MAT 6234

932.0 keV (n,n') Level
Legendre Coefficients

62-Sm-147



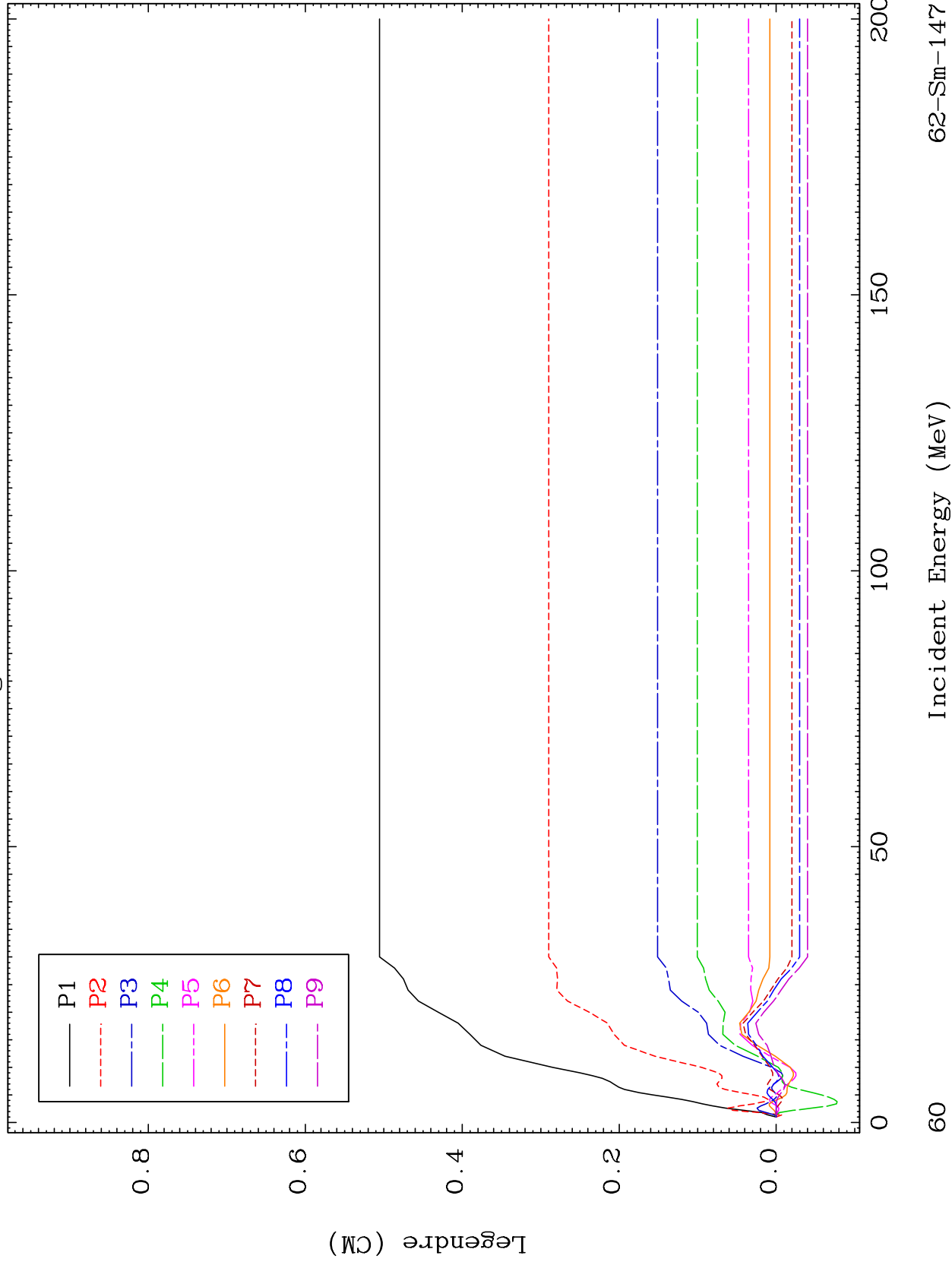
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62-Sm-147

MAT 6234

978.0 keV (n,n') Level
Legendre Coefficients

62-Sm-147



62-Sm-147

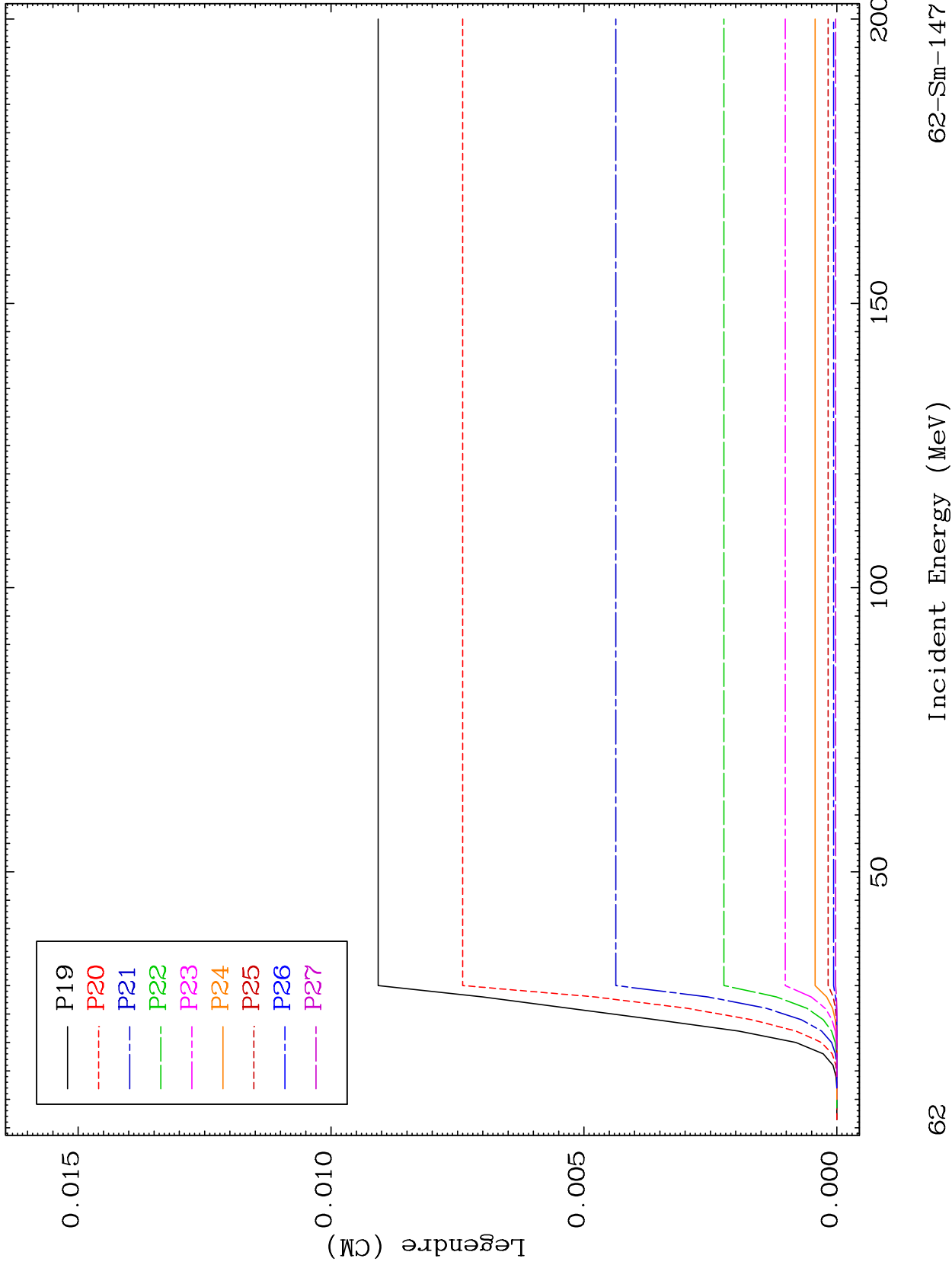
Incident Energy (MeV)

60

MAT 6234

978.0 keV (n,n') Level
Legendre Coefficients

62-Sm-147



62

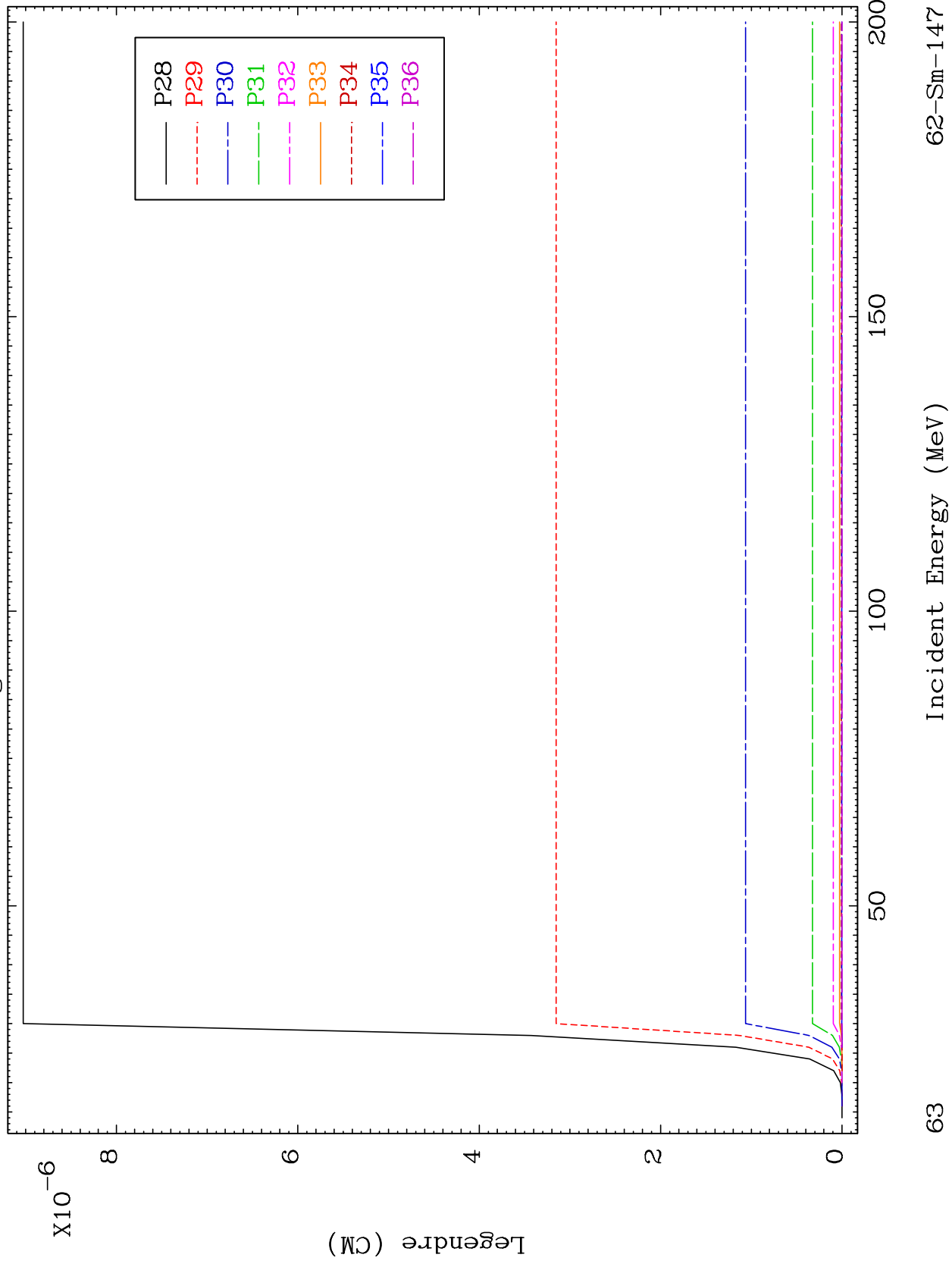
Incident Energy (MeV)

62-Sm-147

MAT 6234

978.0 keV (n,n') Level
Legendre Coefficients

62-Sm-147



63

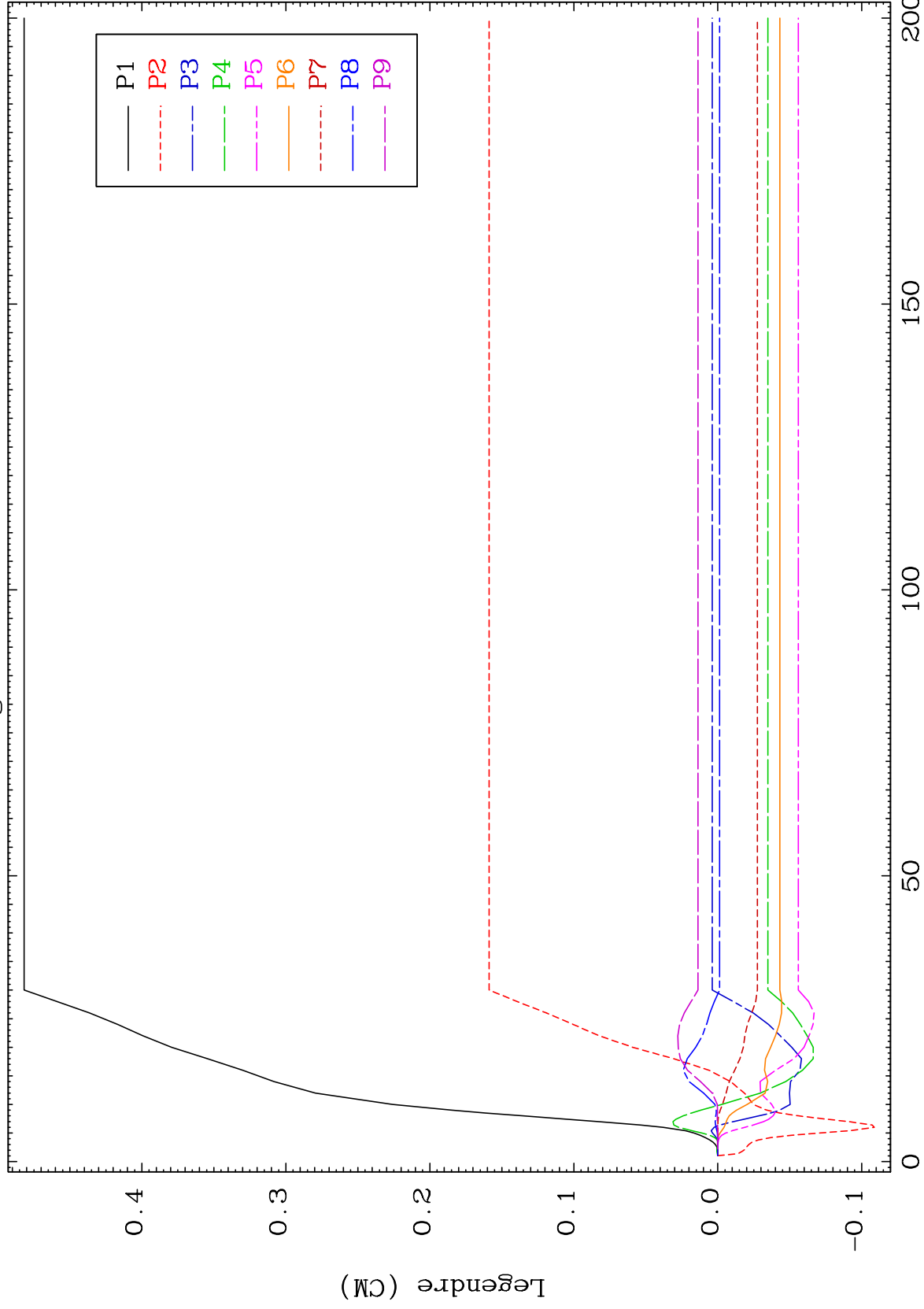
Incident Energy (MeV)

62-Sm-147

MAT 6234

1.020 MeV (n,n') Level
Legendre Coefficients

62-Sm-147



64

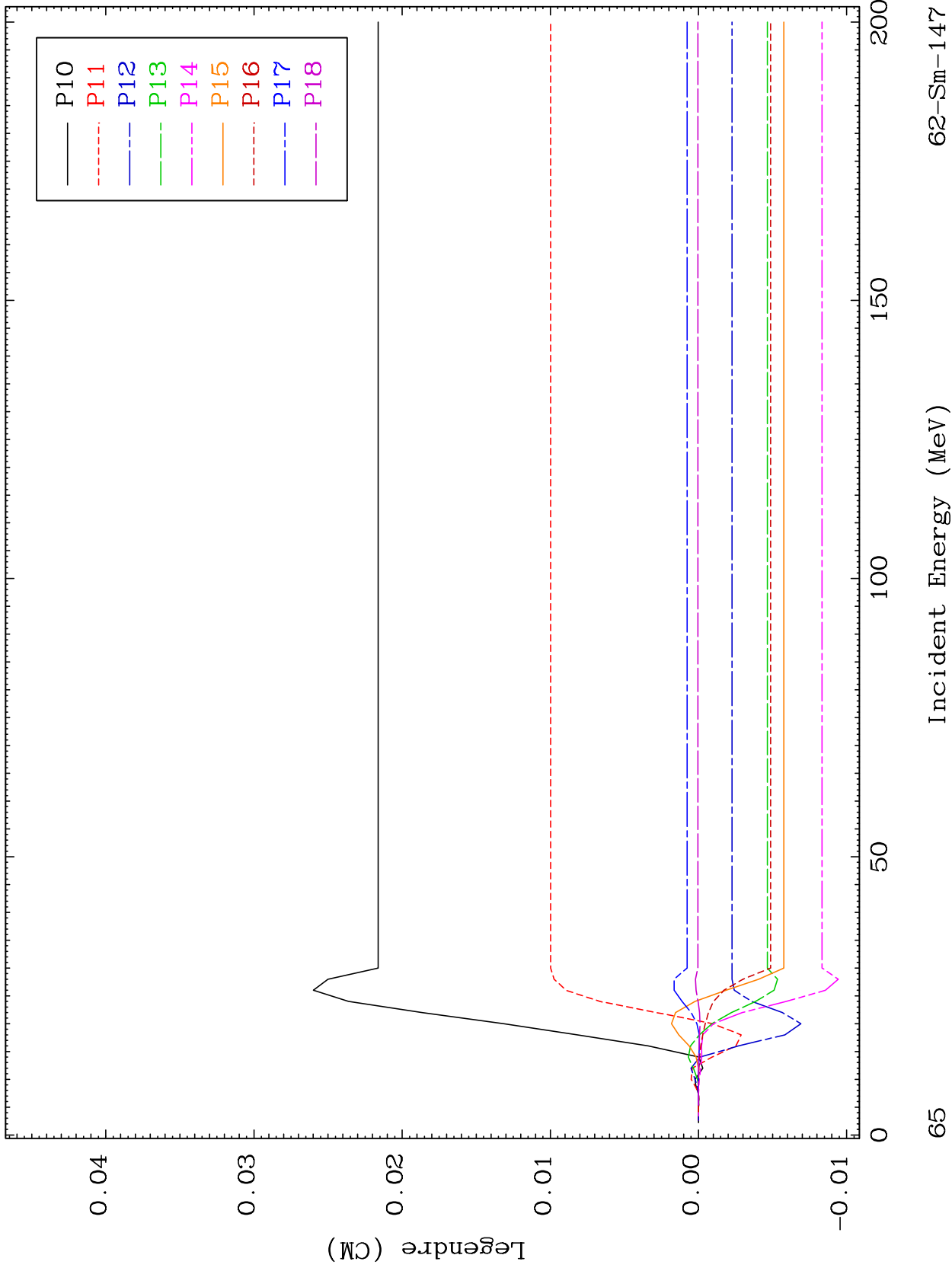
Incident Energy (MeV)

62-Sm-147

MAT 6234

1.020 MeV (n,n') Level
Legendre Coefficients

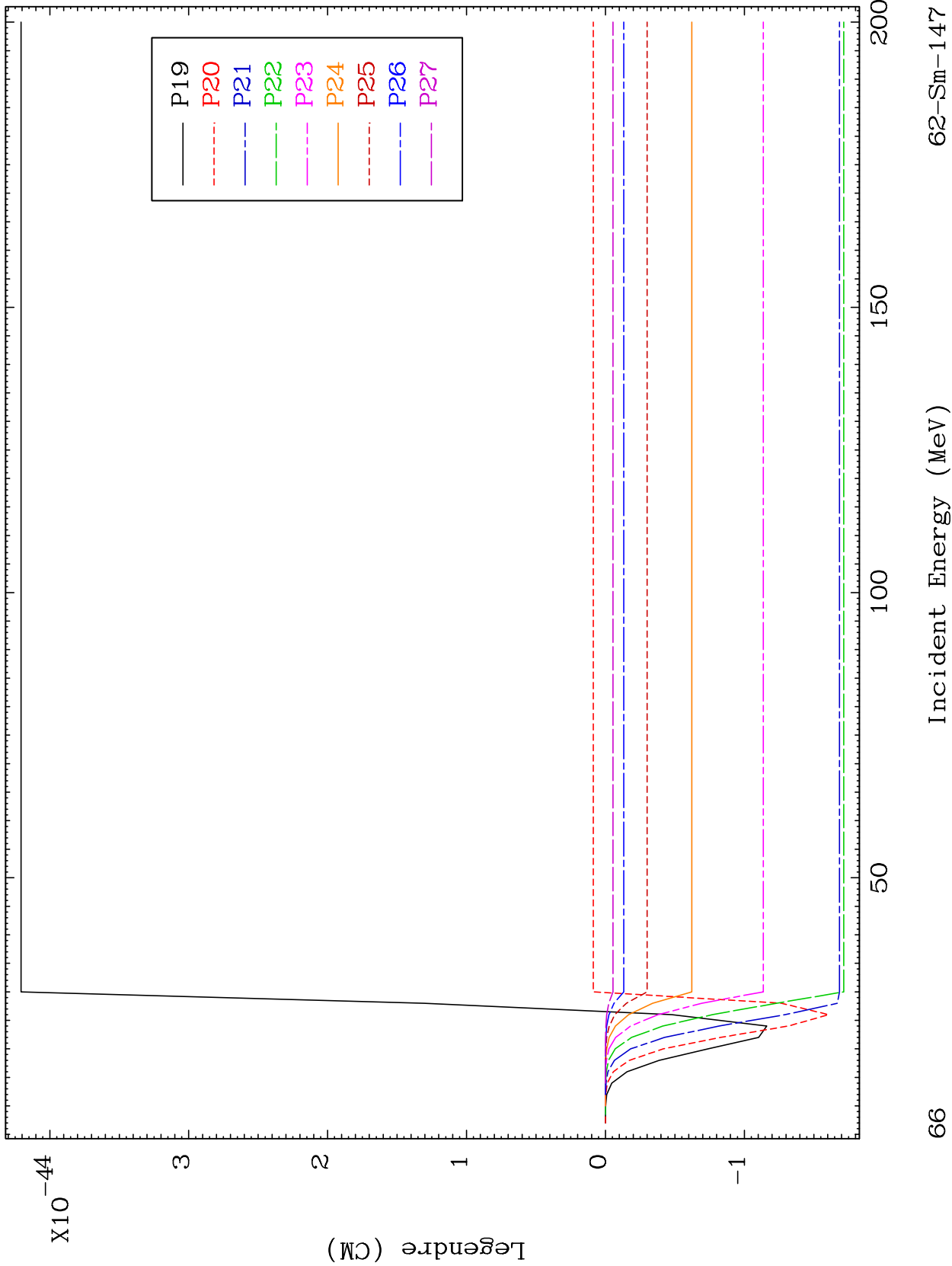
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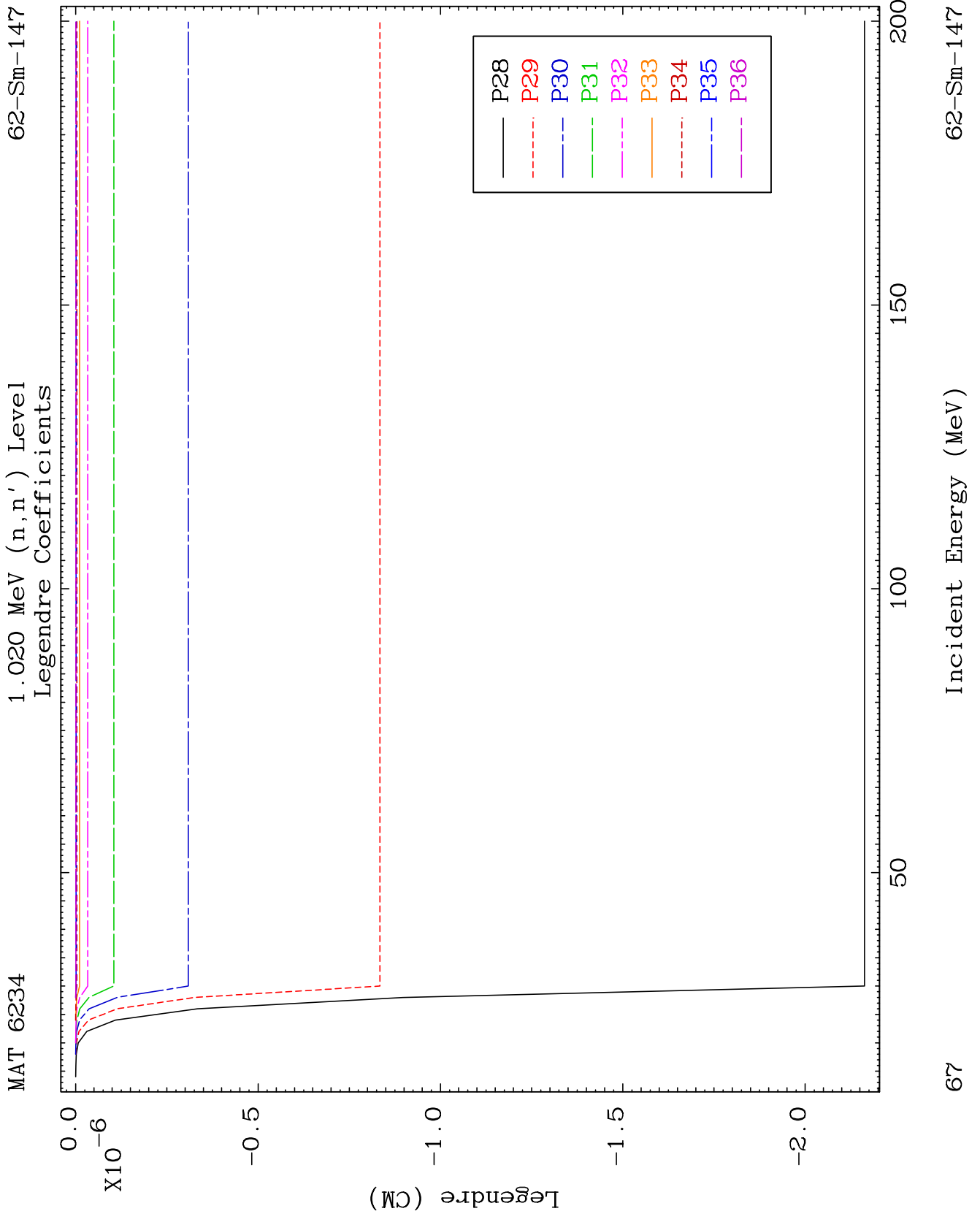


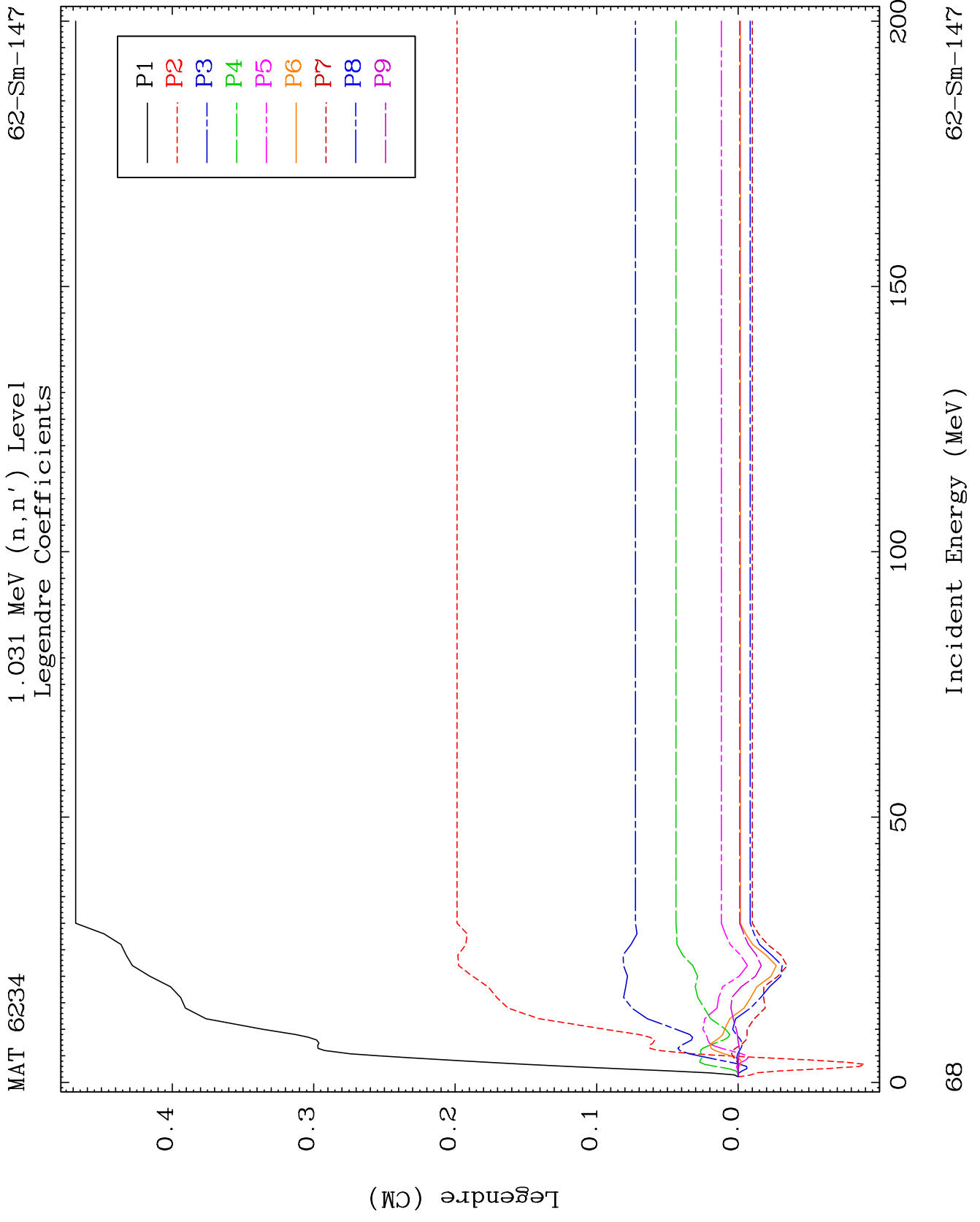
65

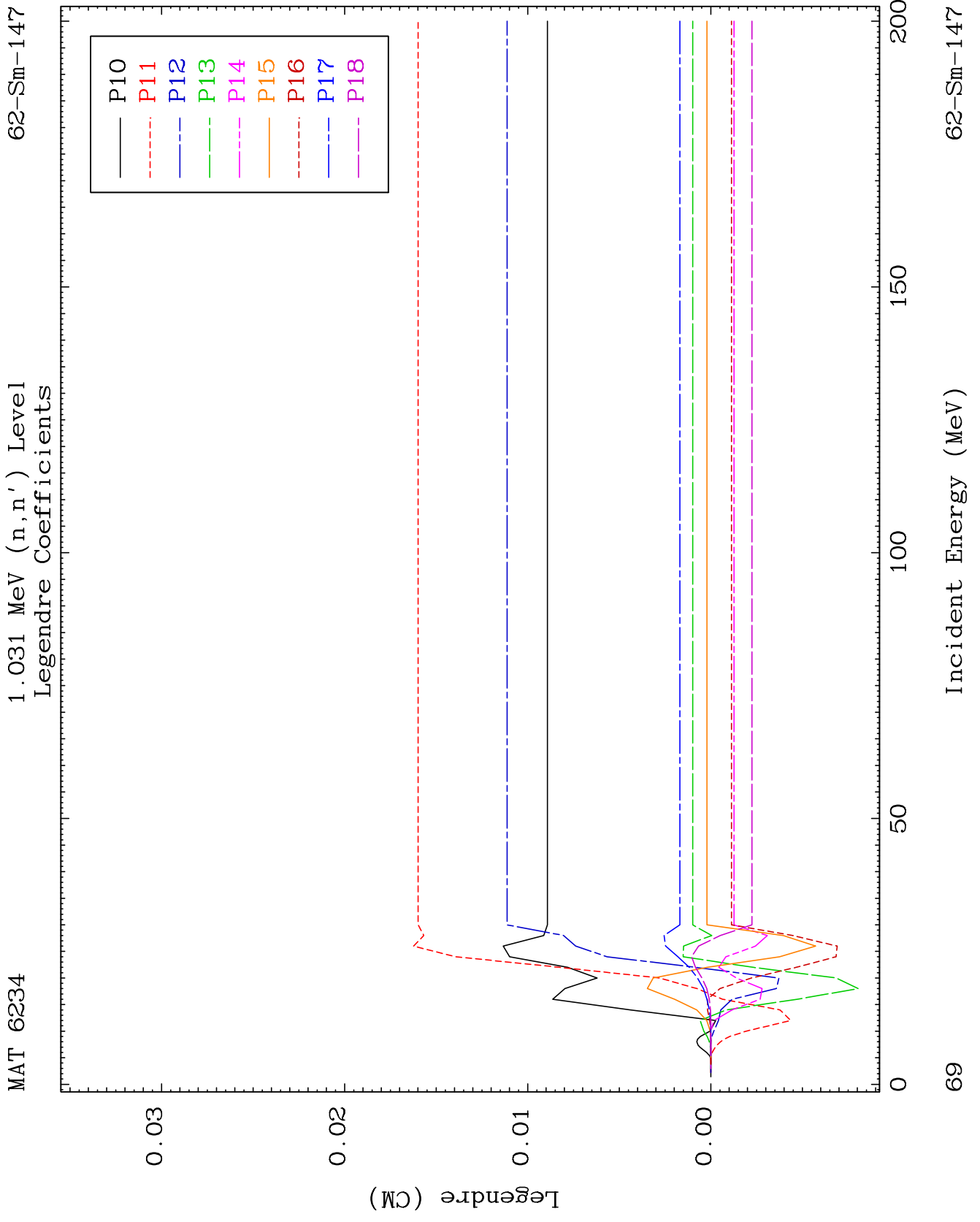
Incident Energy (MeV)

62-Sm-147





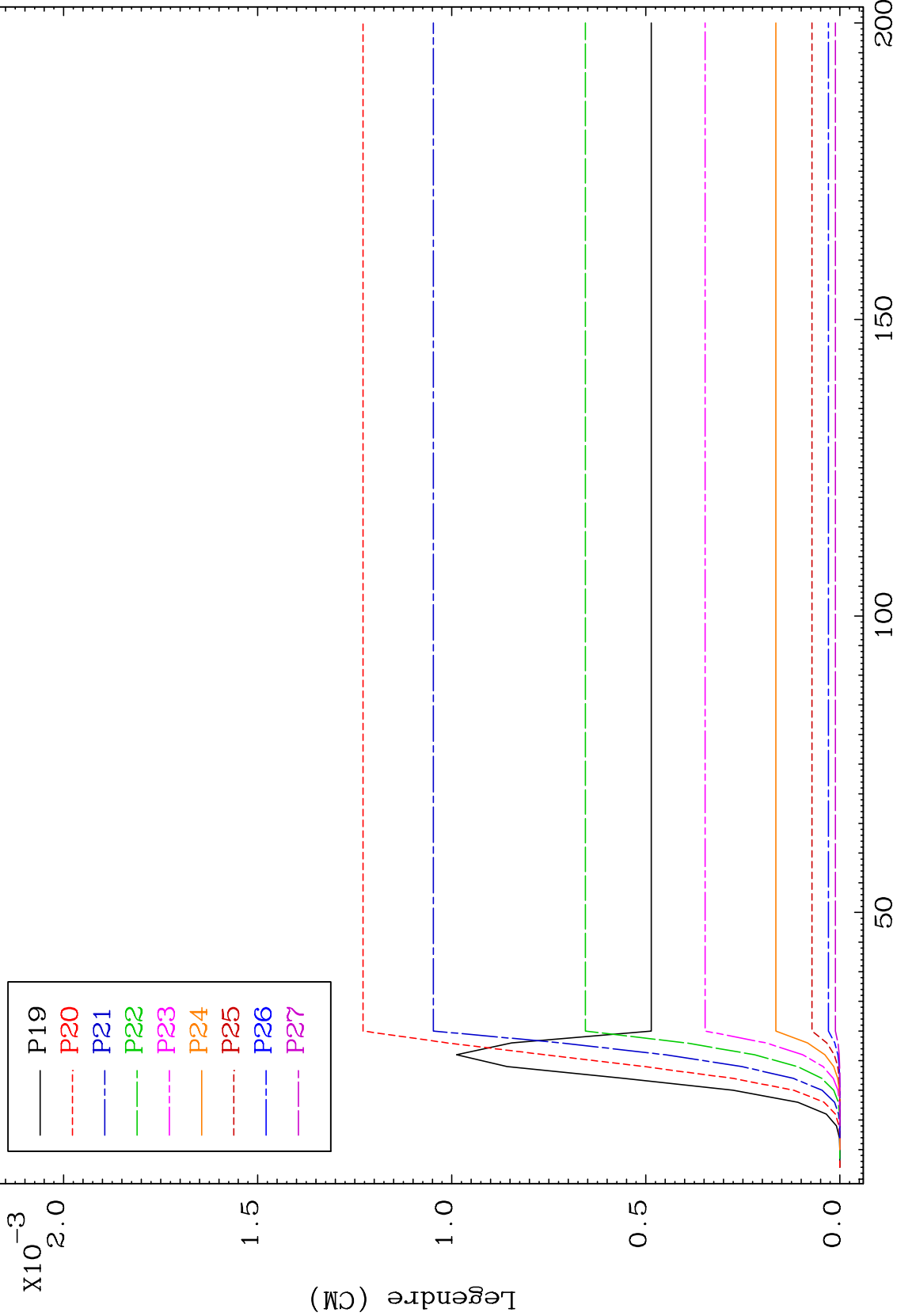
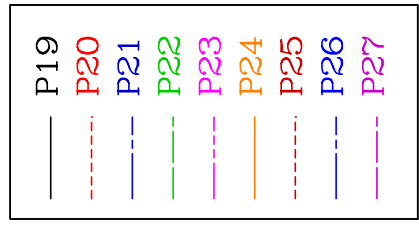




MAT 6234

1.031 MeV (n,n') Level
Legendre Coefficients

62-Sm-147



70

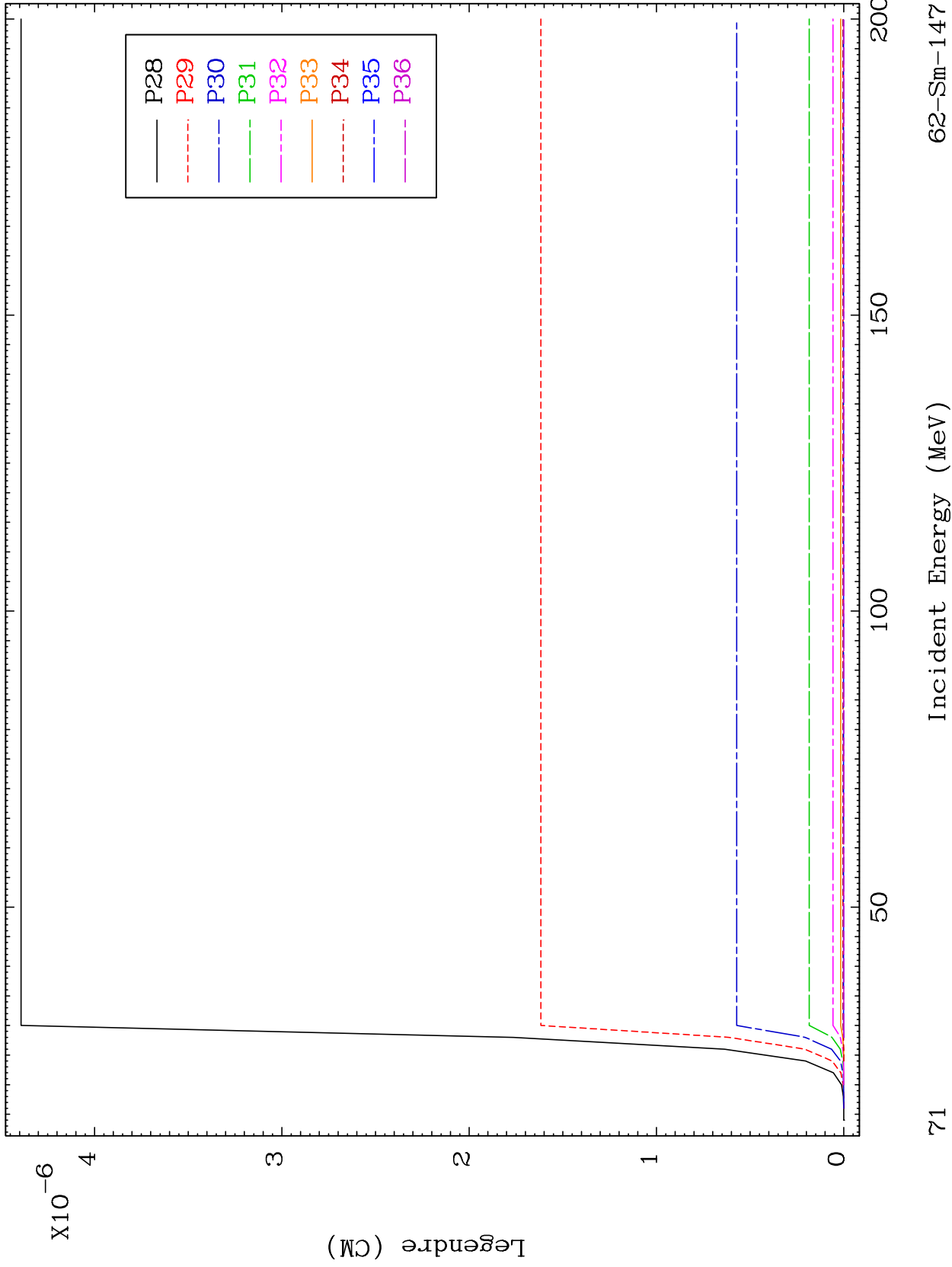
Incident Energy (MeV)

62-Sm-147

MAT 6234

1.031 MeV (n,n') Level
Legendre Coefficients

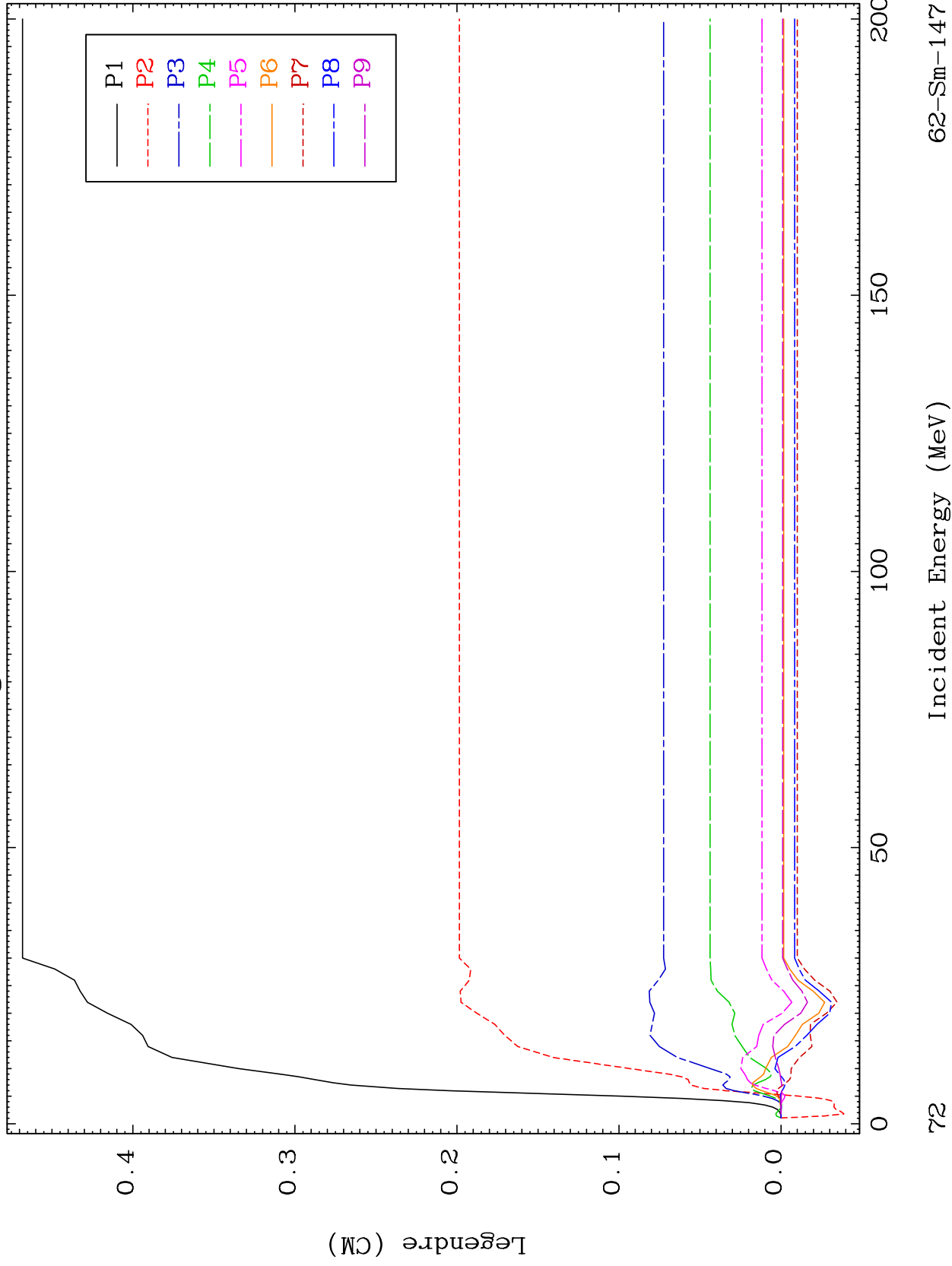
62-Sm-147



MAT 6234

1.044 MeV (n,n') Level
Legendre Coefficients

62-Sm-147



62-Sm-147

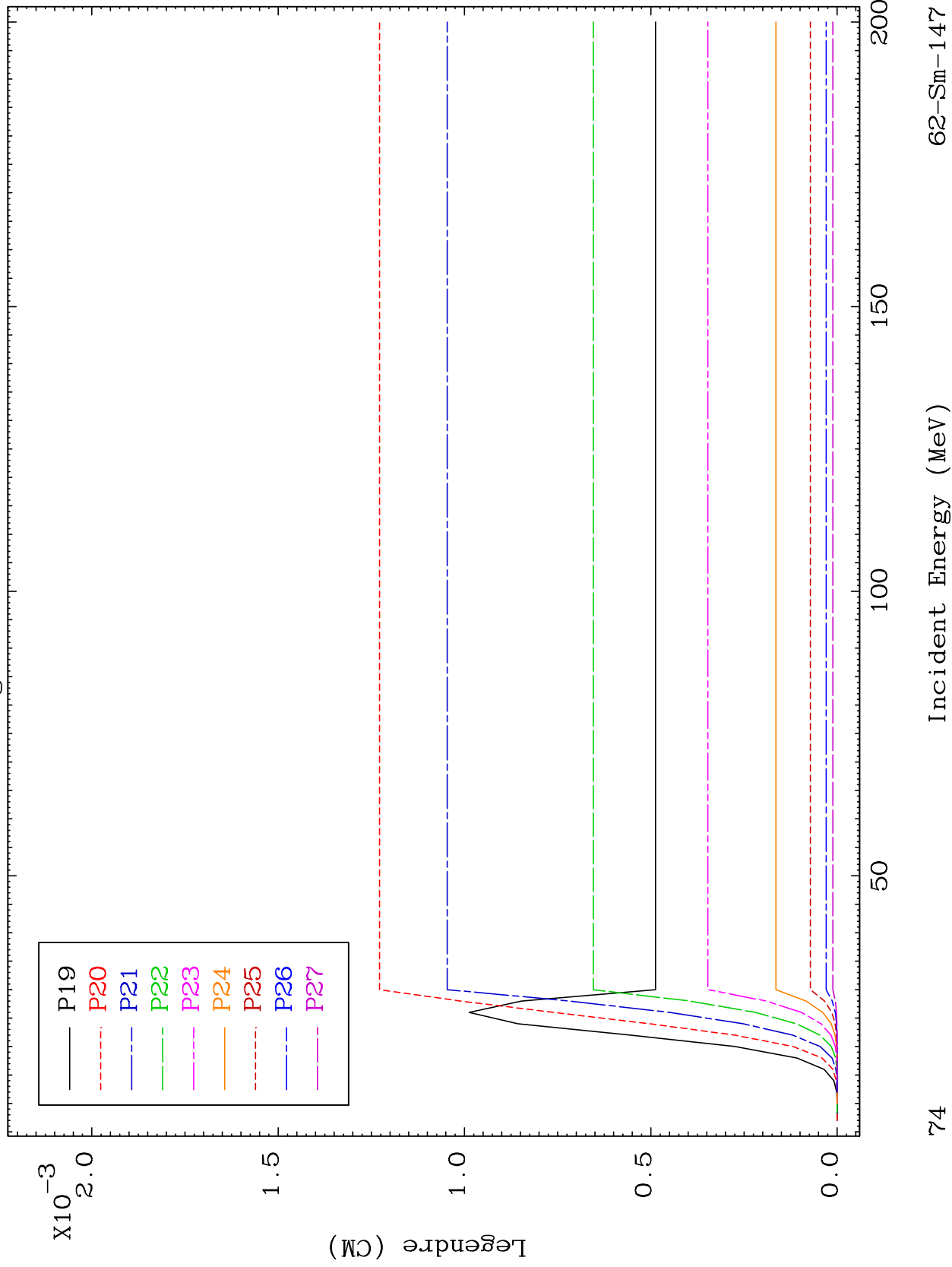
Incident Energy (MeV)

72

MAT 6234

1.044 MeV (n, n') Level
Legendre Coefficients

62-Sm-147



74

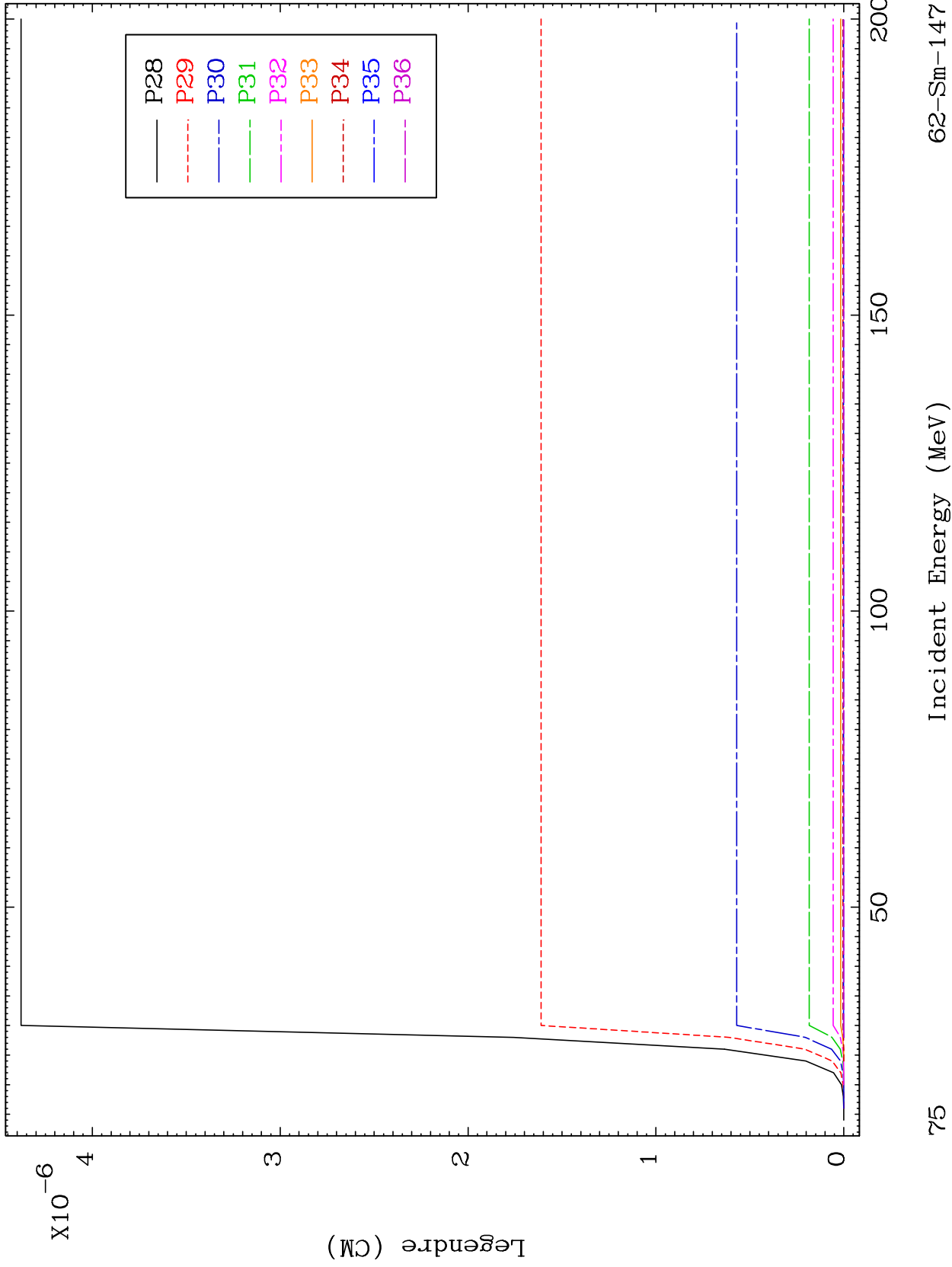
Incident Energy (MeV)

62-Sm-147

MAT 6234

1.044 MeV (n,n') Level
Legendre Coefficients

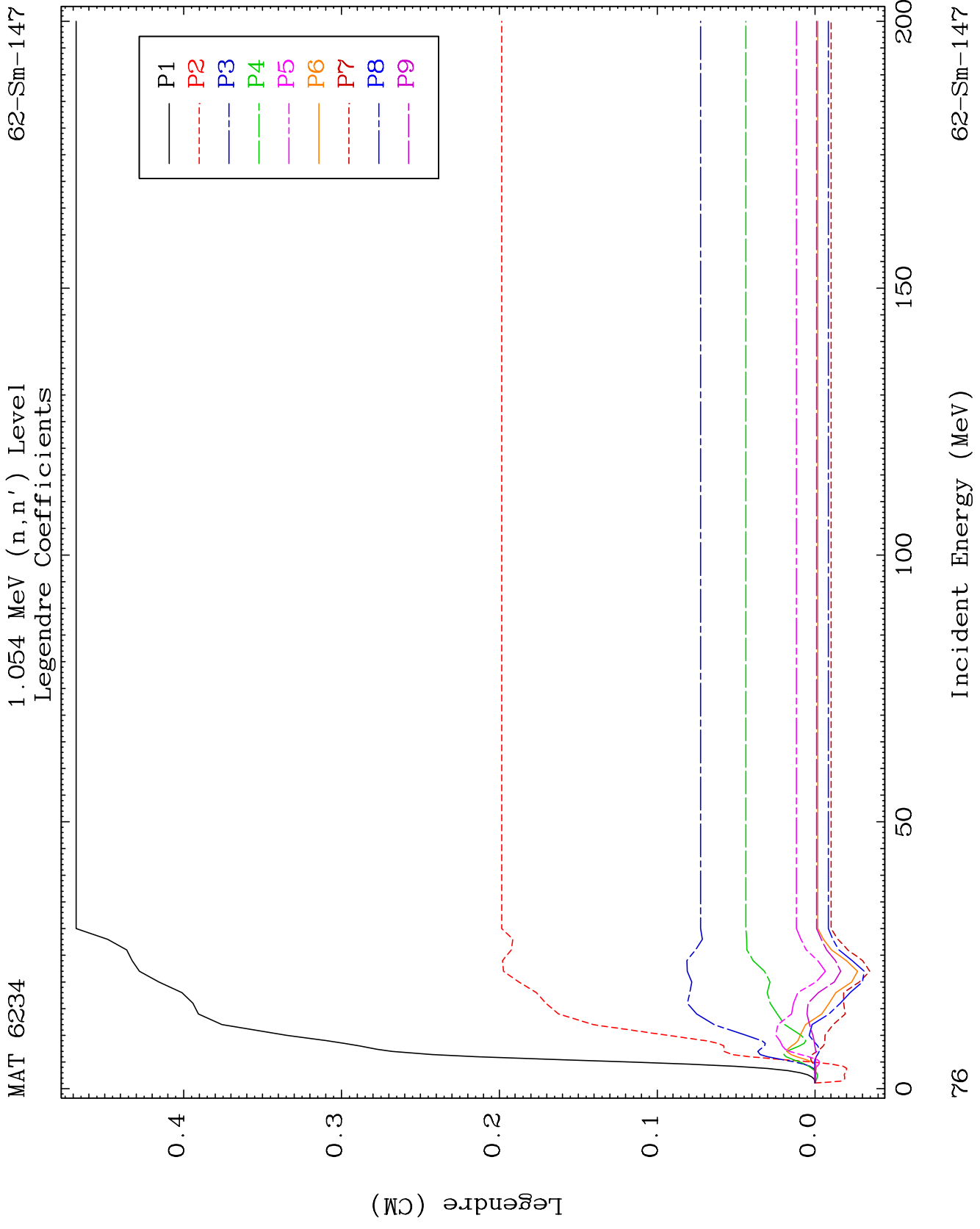
62-Sm-147

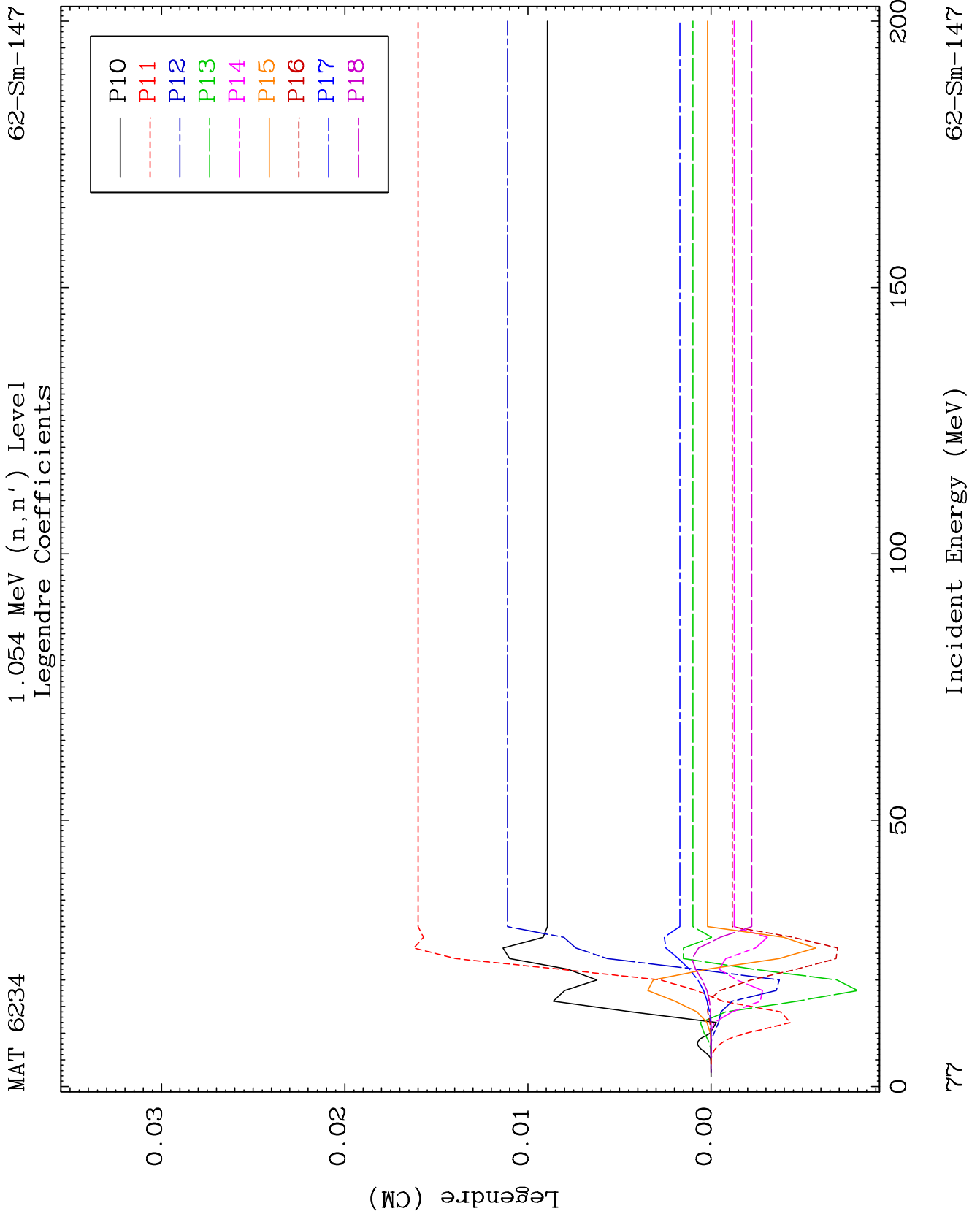


75

Incident Energy (MeV)

62-Sm-147

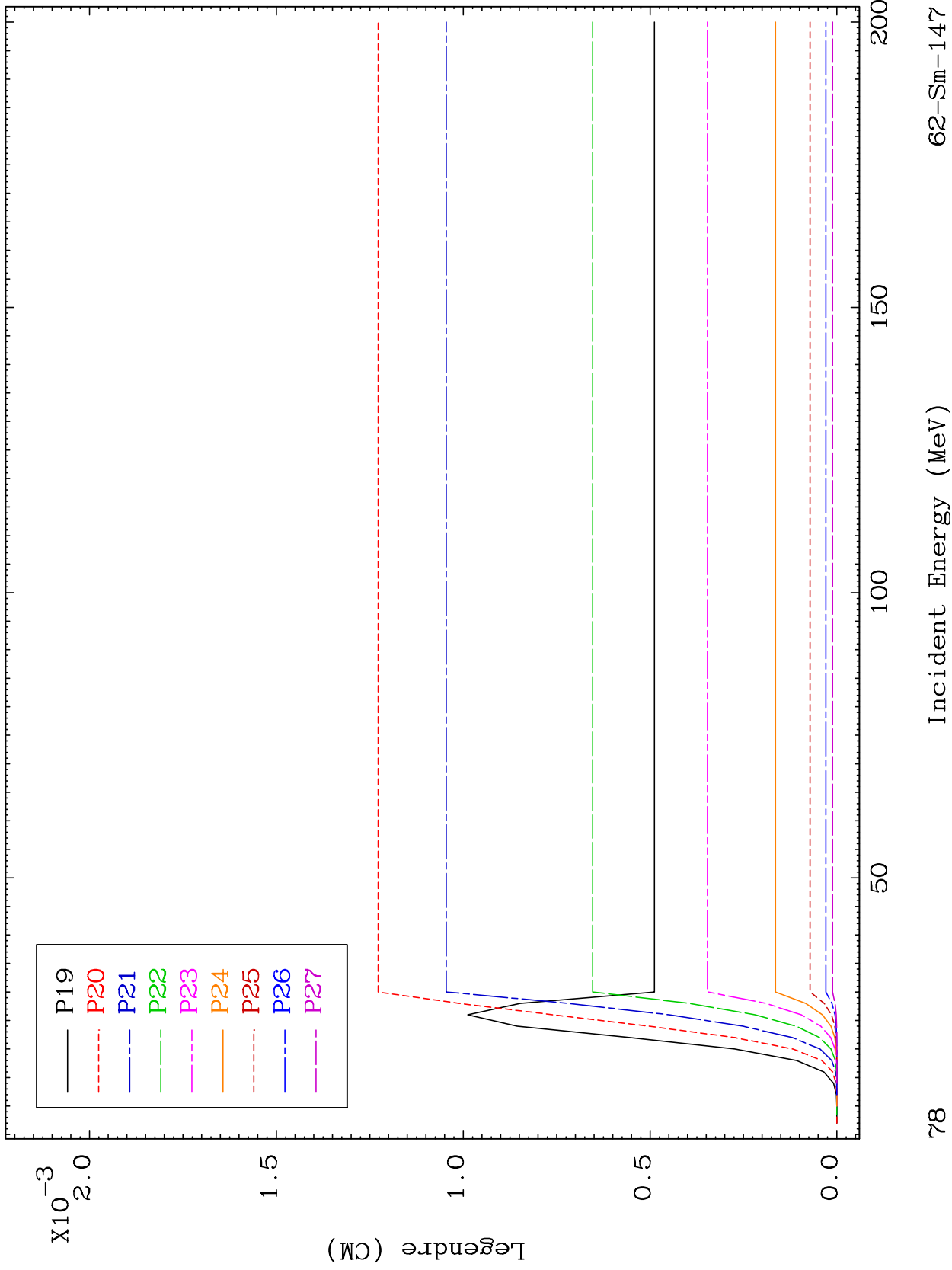




MAT 6234

1.054 MeV (n,n') Level
Legendre Coefficients

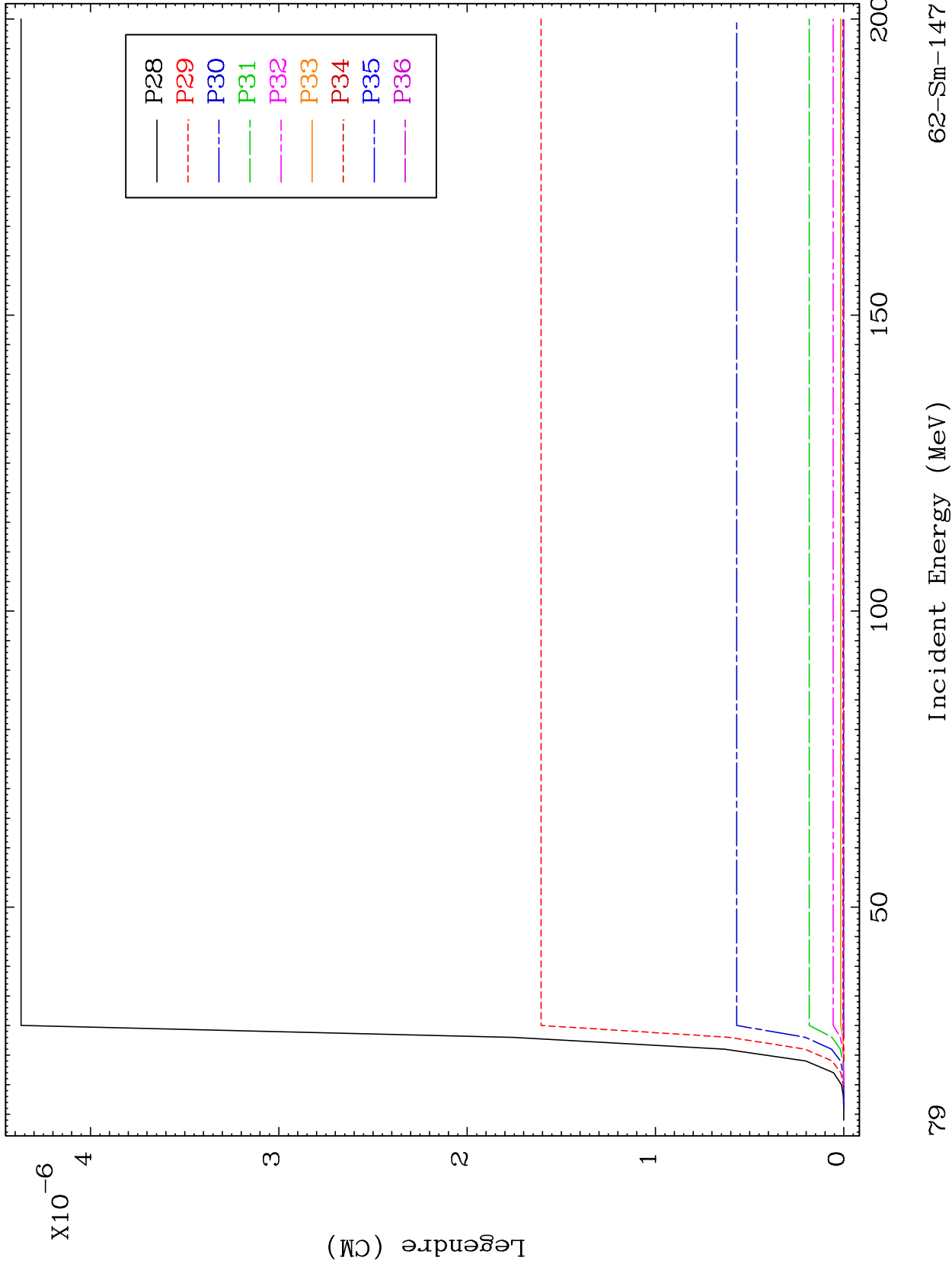
62-Sm-147



MAT 6234

1.054 MeV (n,n') Level
Legendre Coefficients

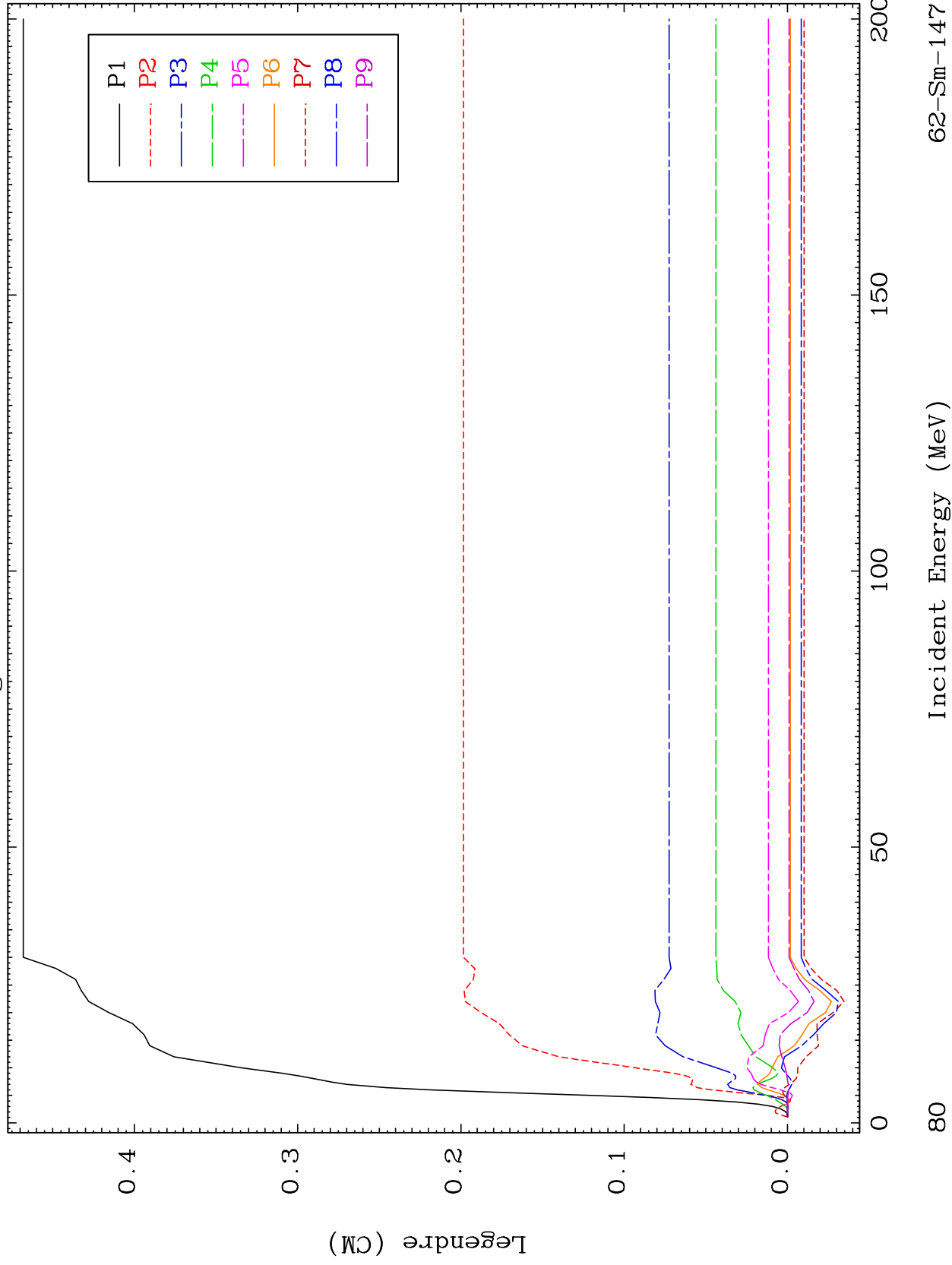
62-Sm-147



MAT 6234

1.063 MeV (n,n') Level
Legendre Coefficients

62-Sm-147



62-Sm-147

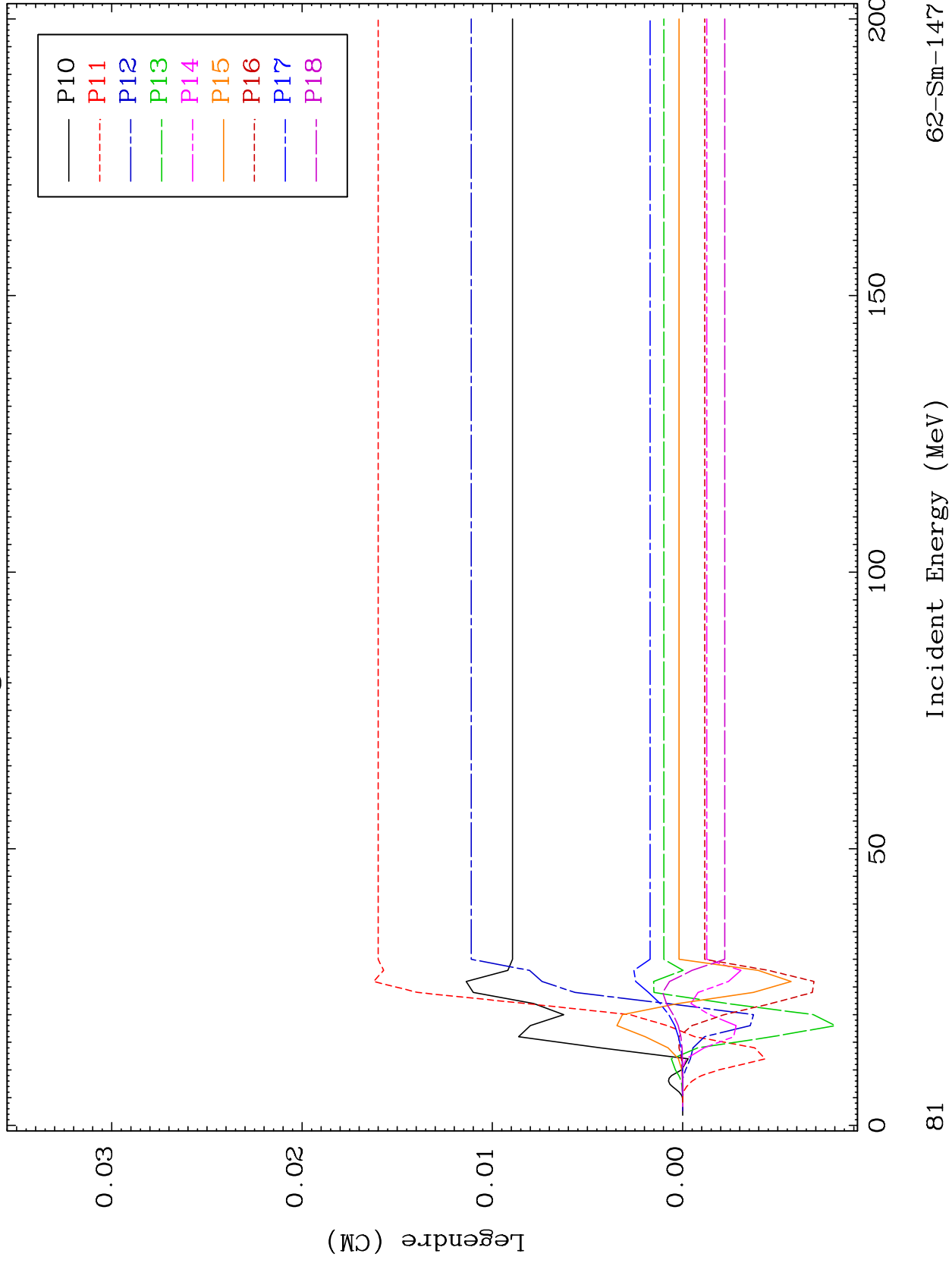
Incident Energy (MeV)

80

MAT 6234

1.063 MeV (n,n') Level
Legendre Coefficients

62-Sm-147



81

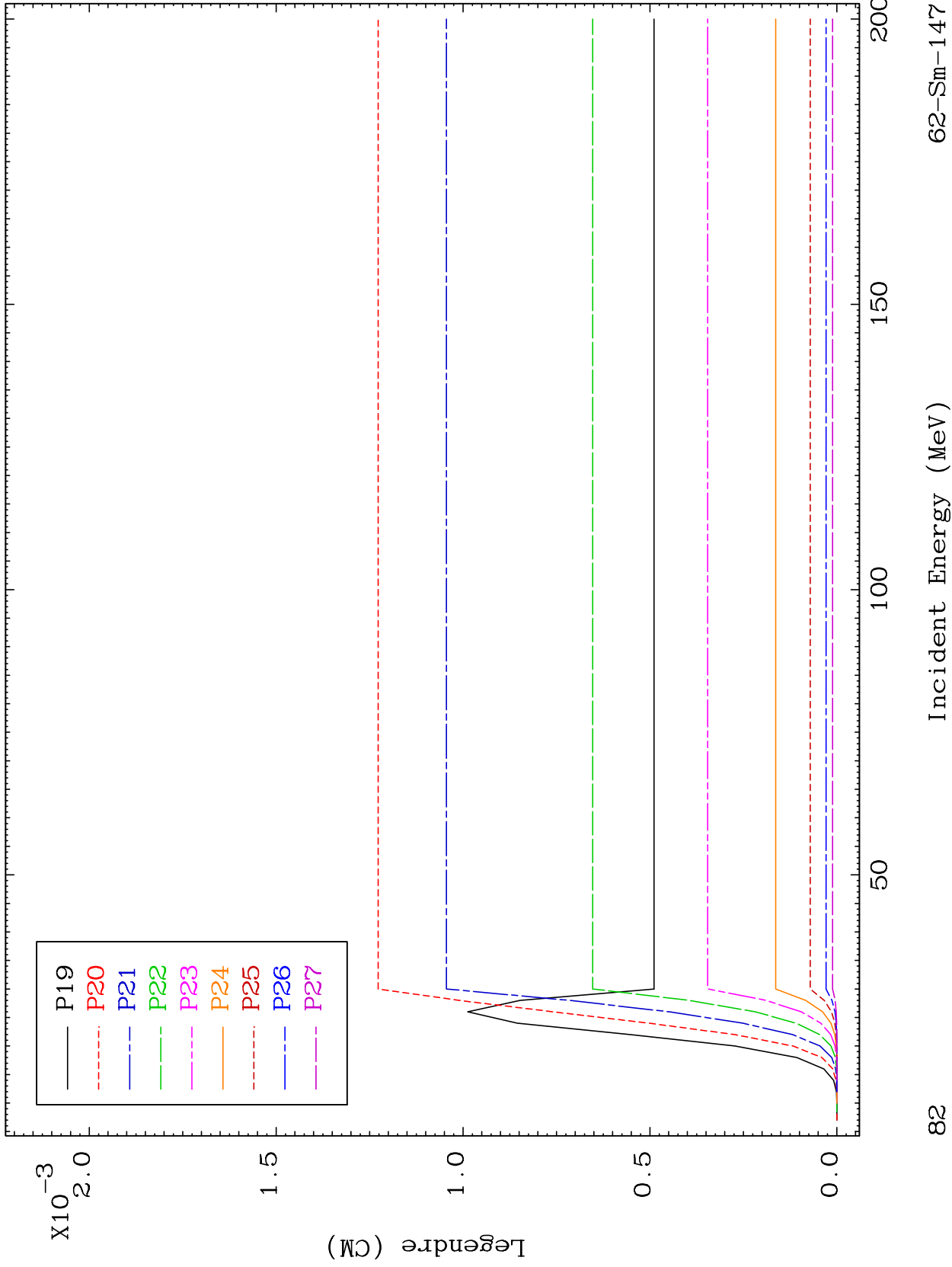
Incident Energy (MeV)

62-Sm-147

MAT 6234

1.063 MeV (n,n') Level
Legendre Coefficients

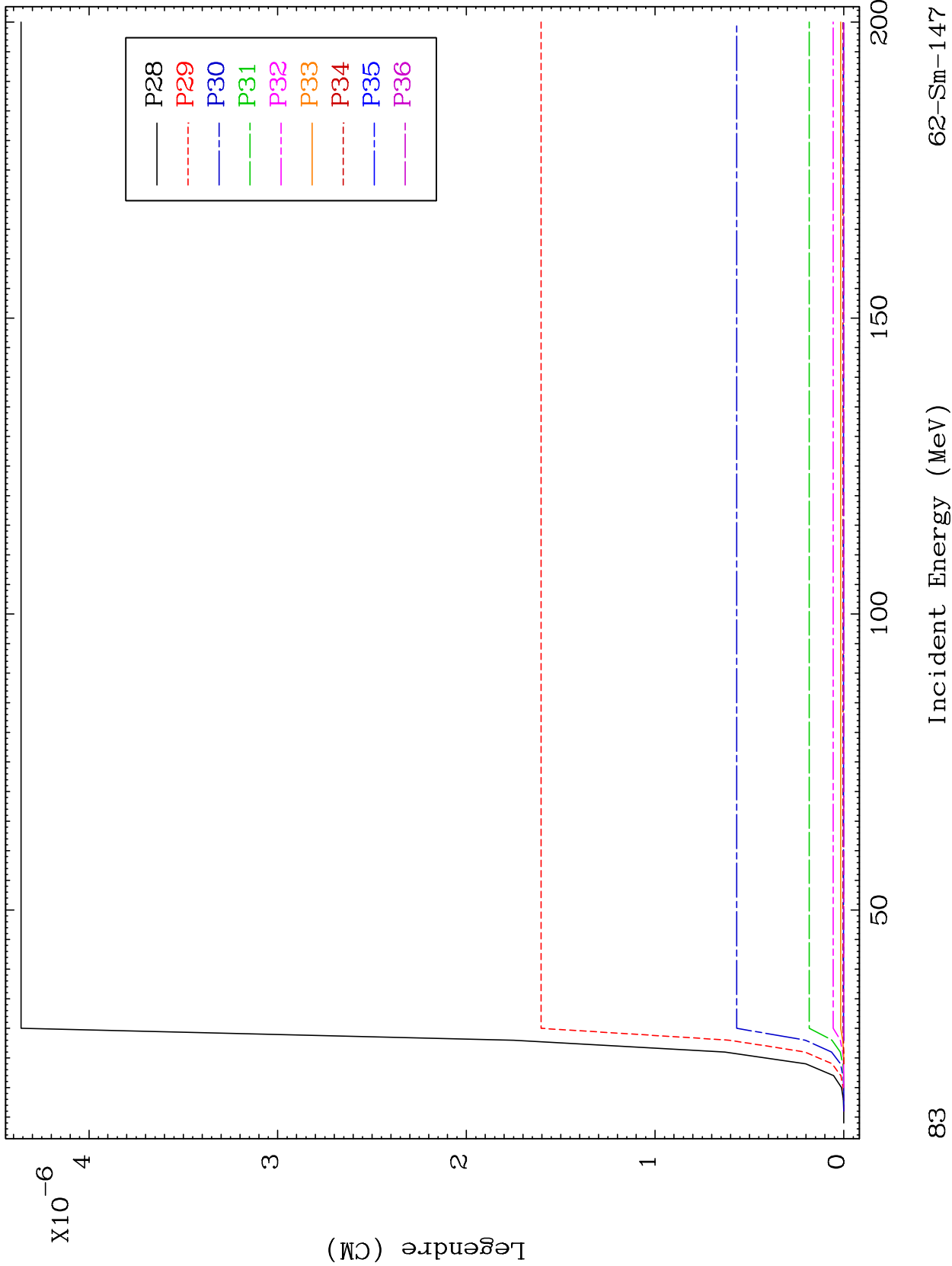
62-Sm-147



MAT 6234

1.063 MeV (n,n') Level
Legendre Coefficients

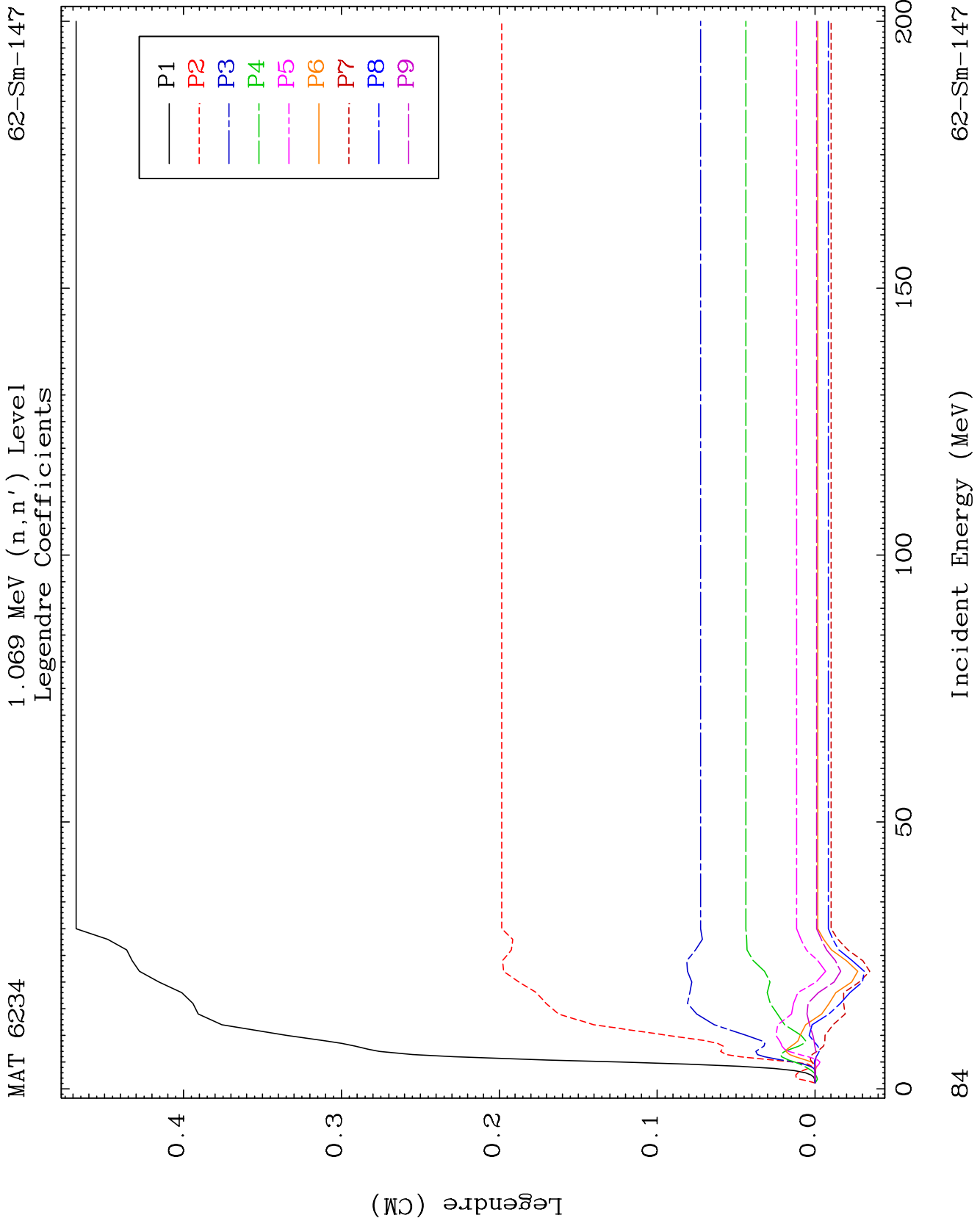
62-Sm-147

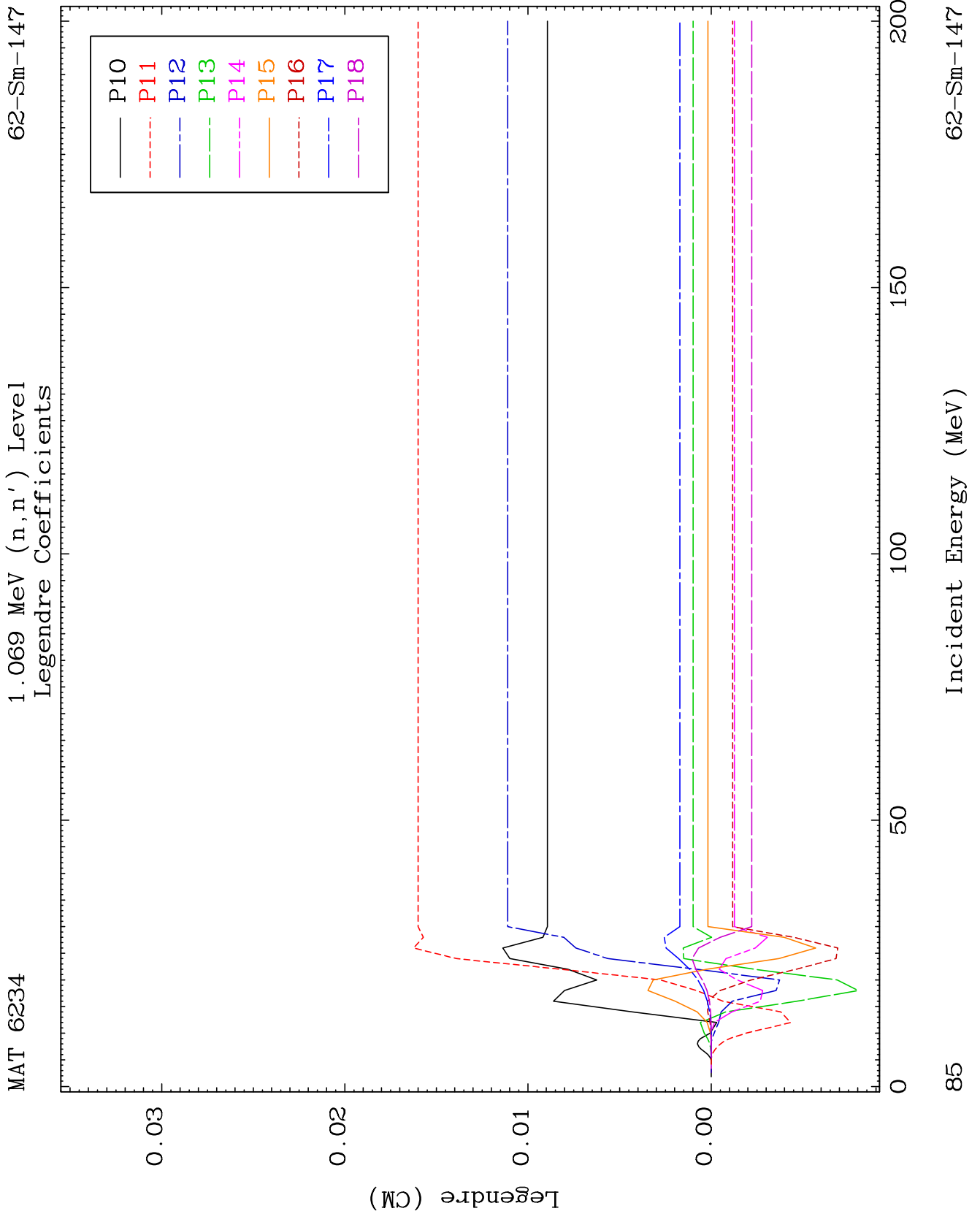


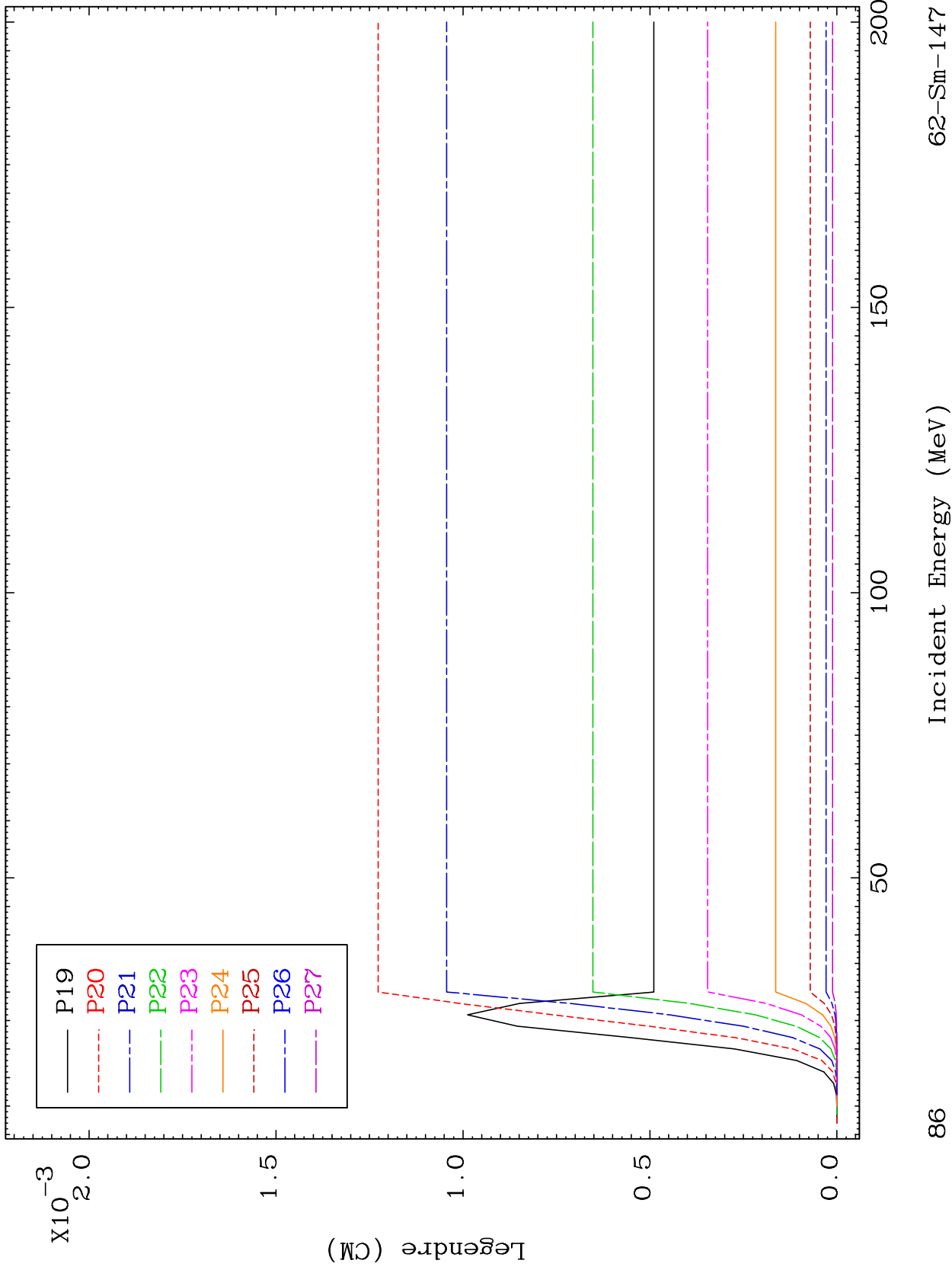
83

Incident Energy (MeV)

62-Sm-147



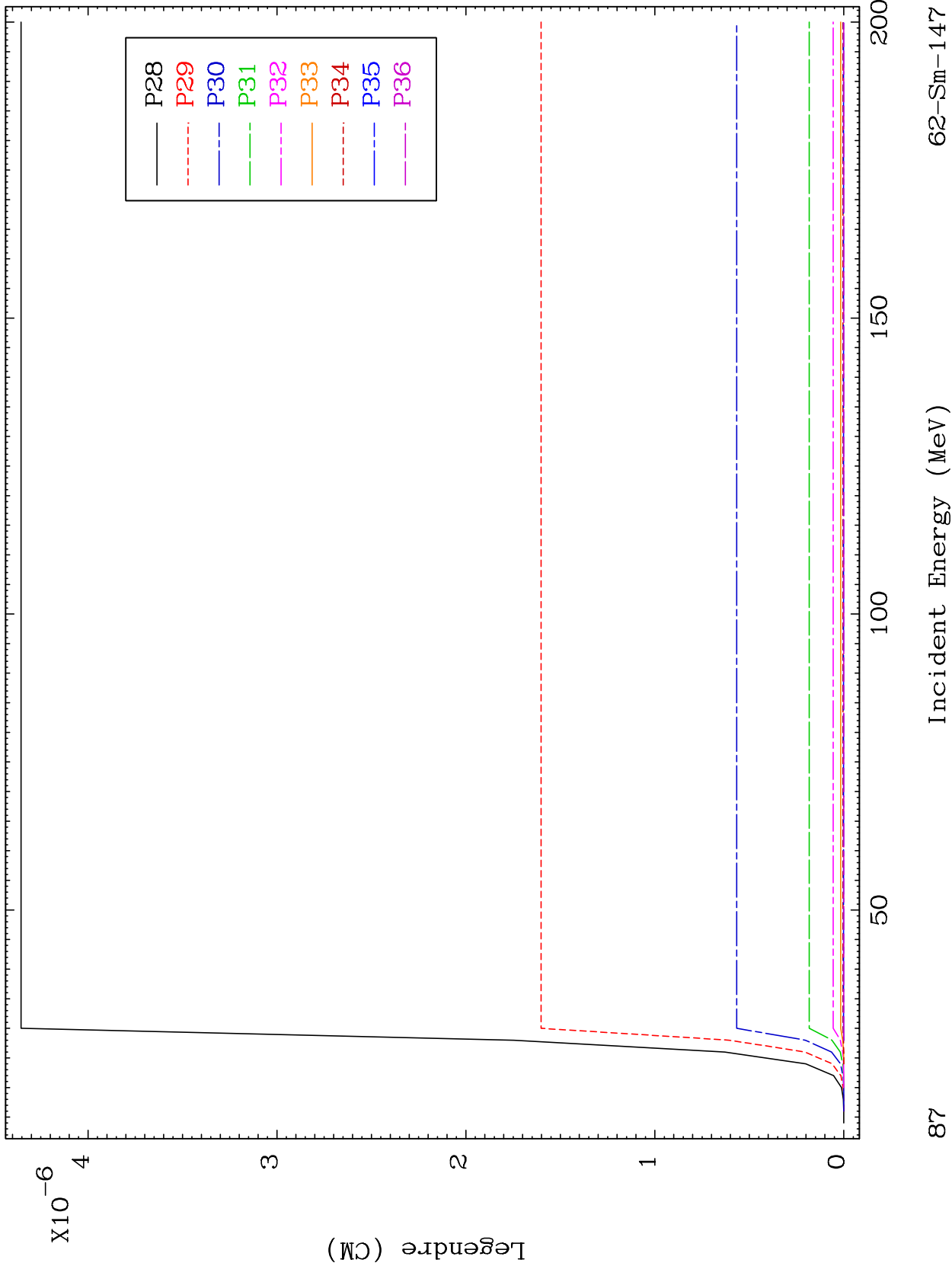




MAT 6234

1.069 MeV (n,n') Level
Legendre Coefficients

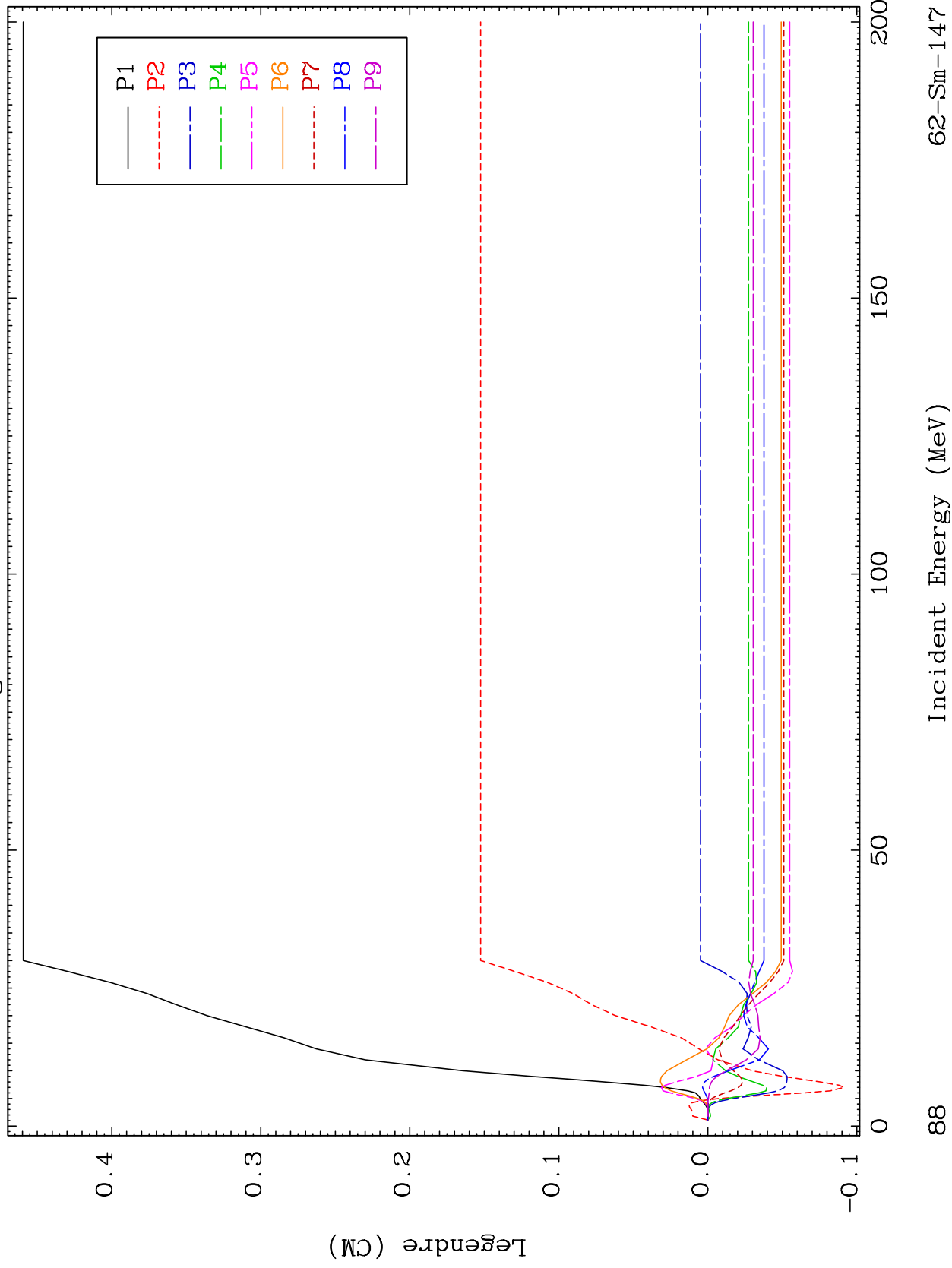
62-Sm-147



MAT 6234

1.077 MeV (n,n') Level
Legendre Coefficients

62-Sm-147



88

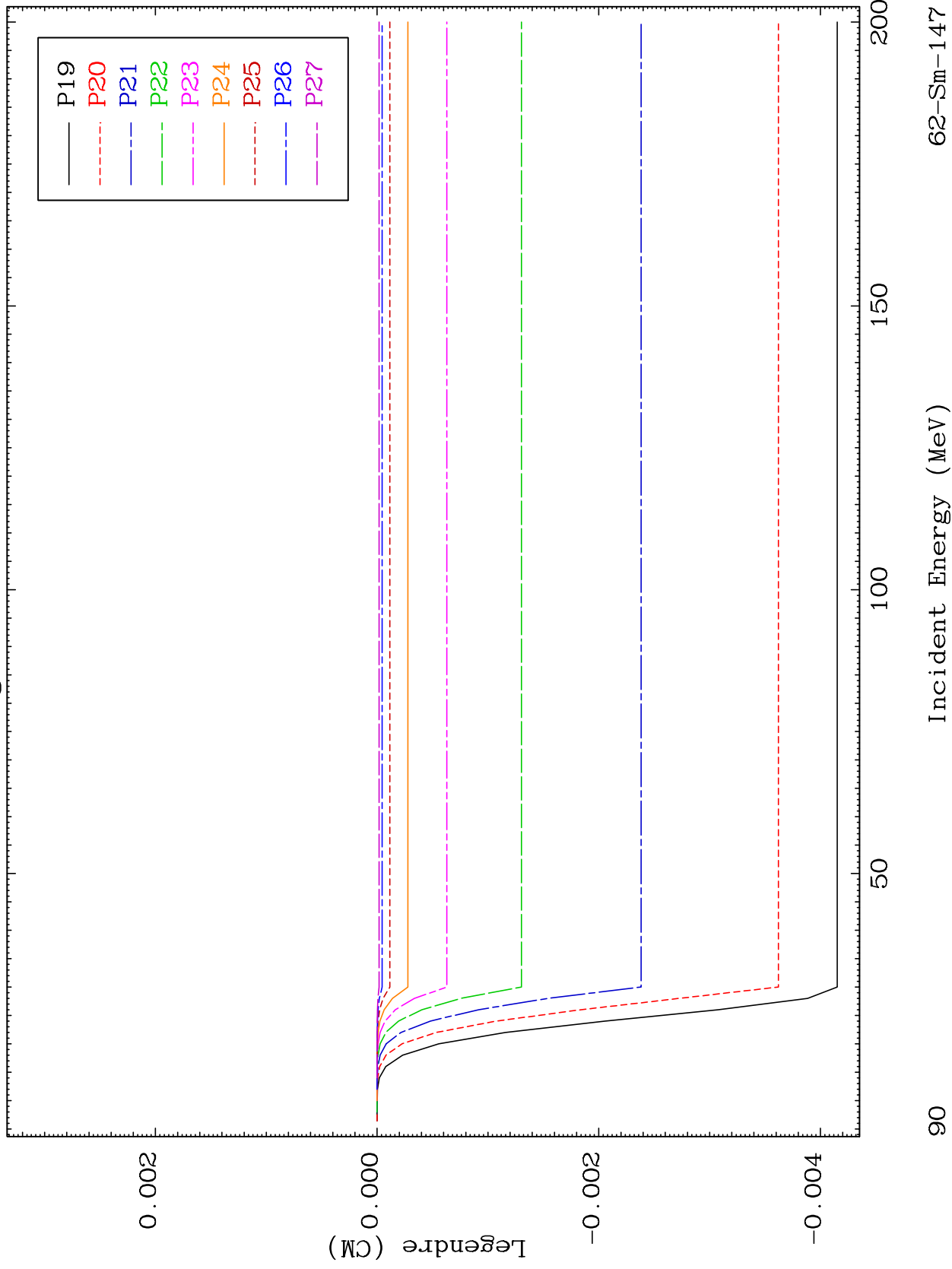
Incident Energy (MeV)

62-Sm-147

MAT 6234

1.077 MeV (n,n') Level
Legendre Coefficients

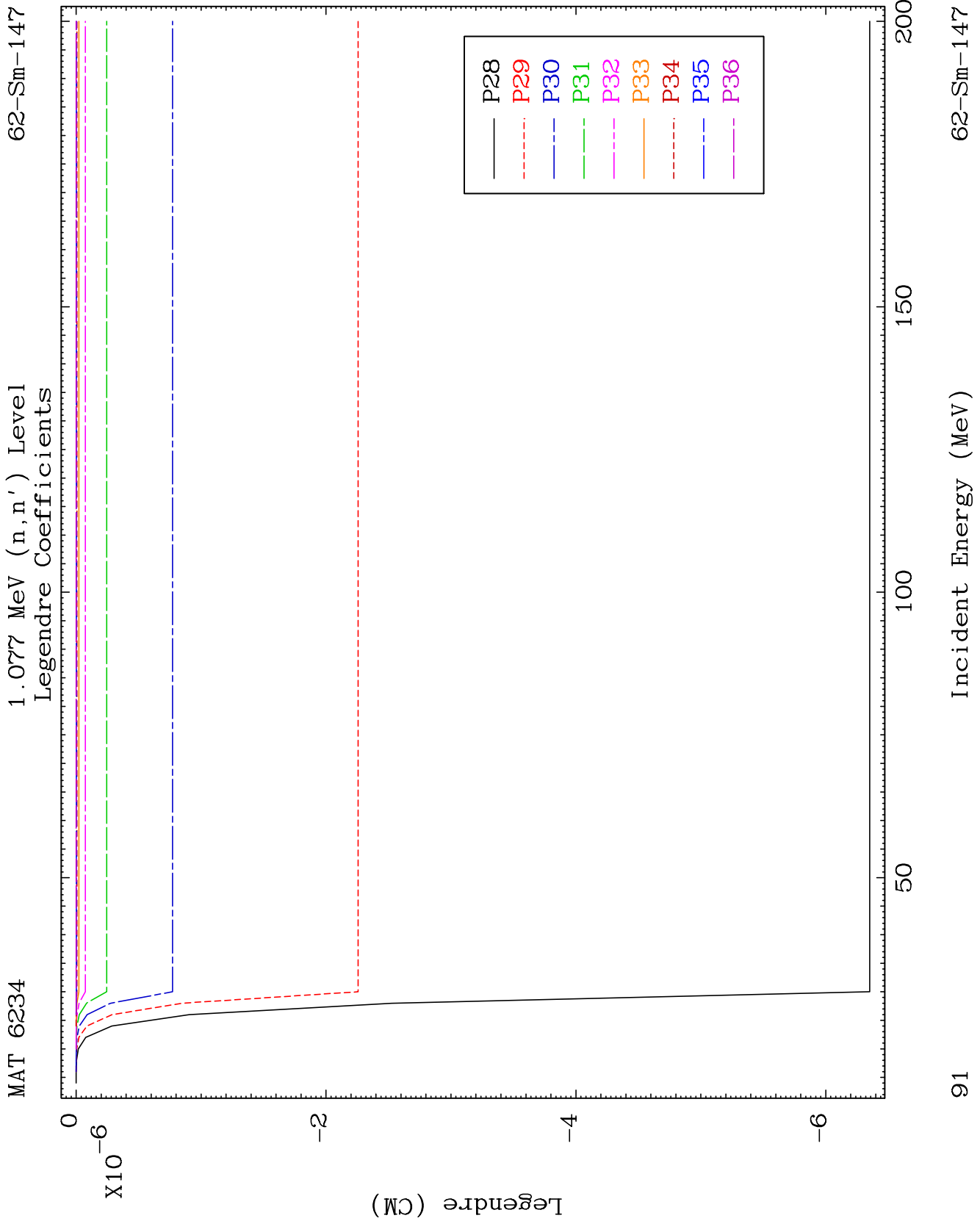
62-Sm-147



90

Incident Energy (MeV)

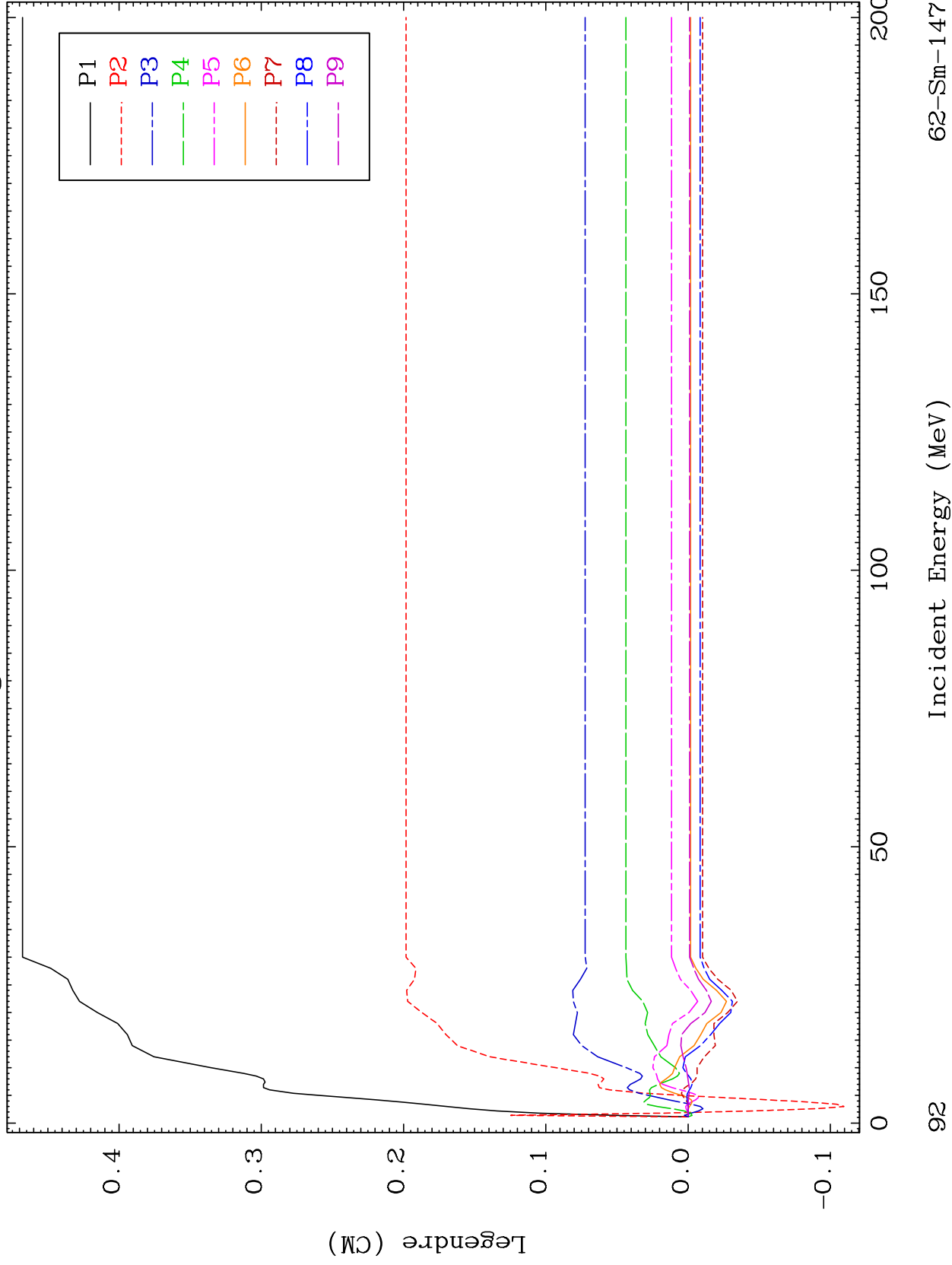
62-Sm-147



MAT 6234

1.107 MeV (n,n') Level
Legendre Coefficients

62-Sm-147



62-Sm-147

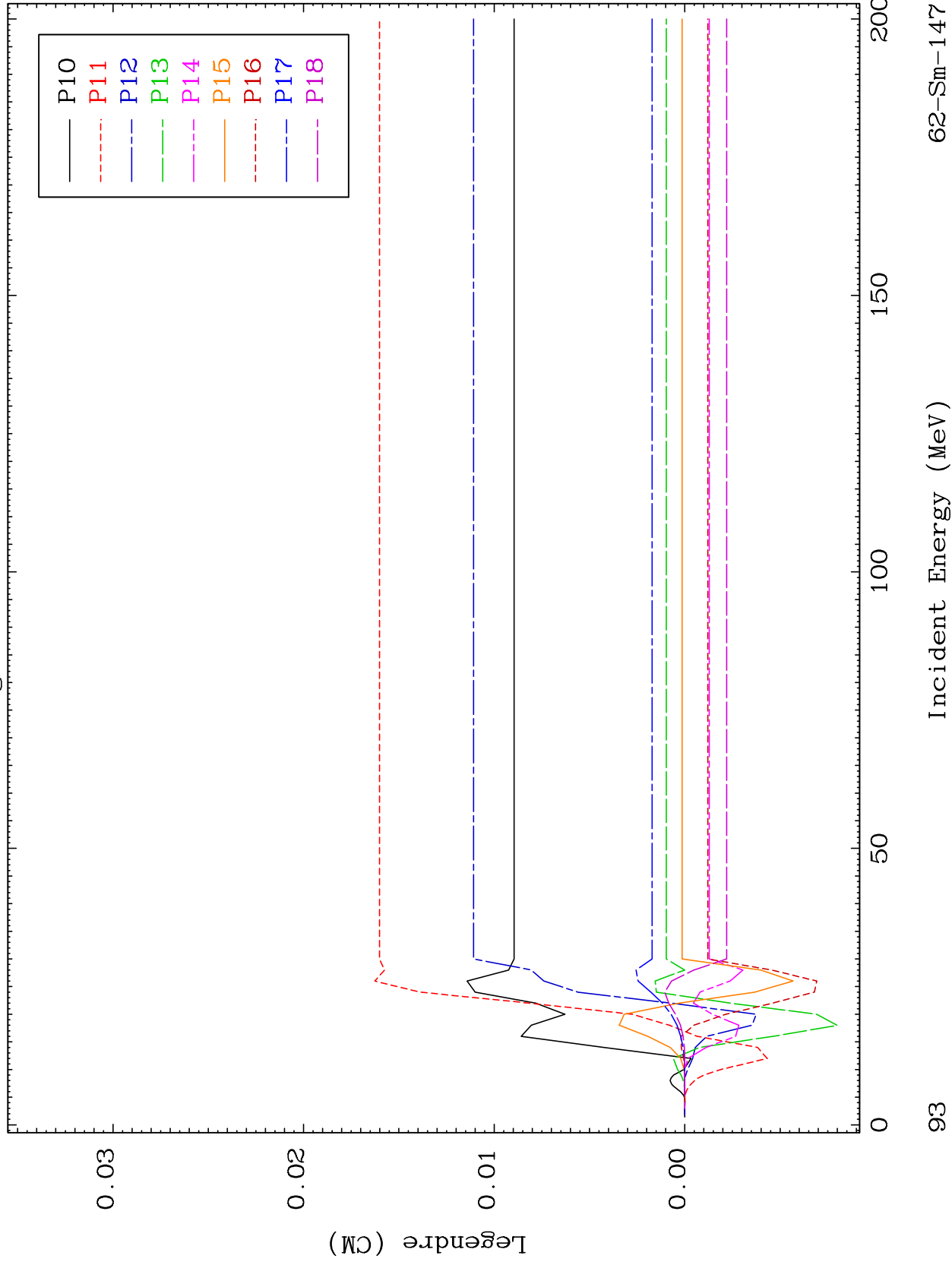
Incident Energy (MeV)

92

MAT 6234

1.107 MeV (n,n') Level
Legendre Coefficients

62-Sm-147



93

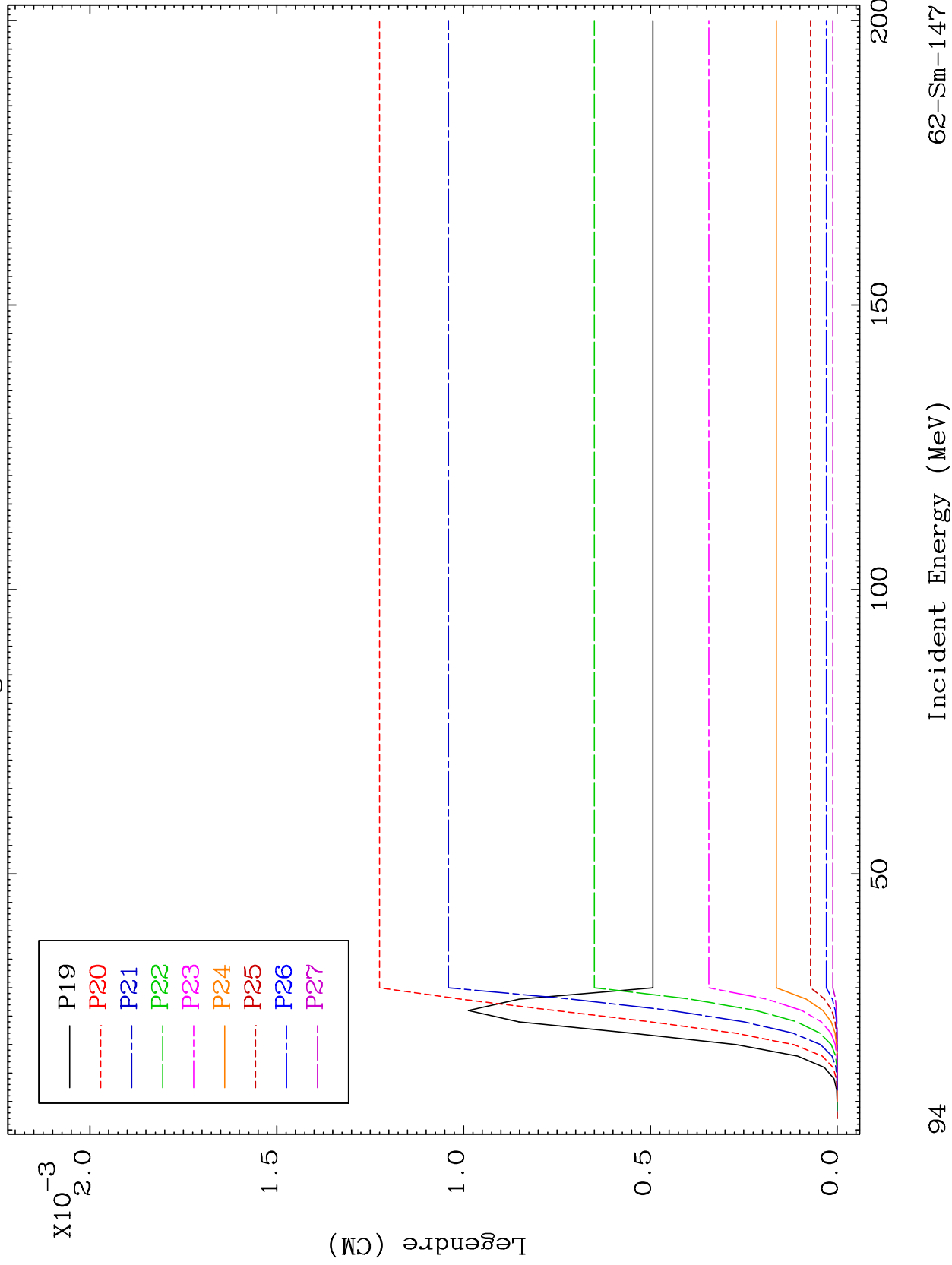
Incident Energy (MeV)

62-Sm-147

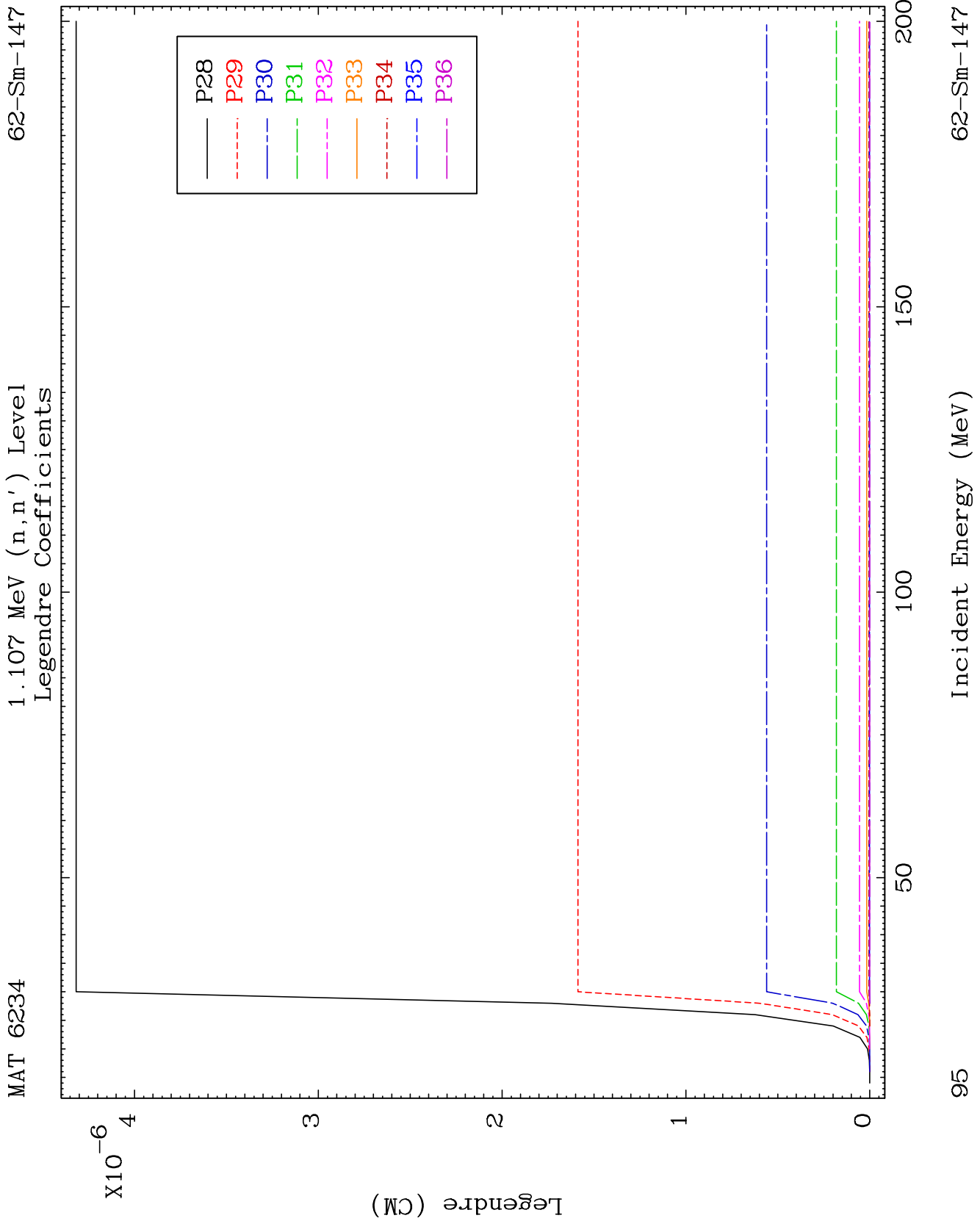
MAT 6234

1.107 MeV (n,n') Level
Legendre Coefficients

62-Sm-147



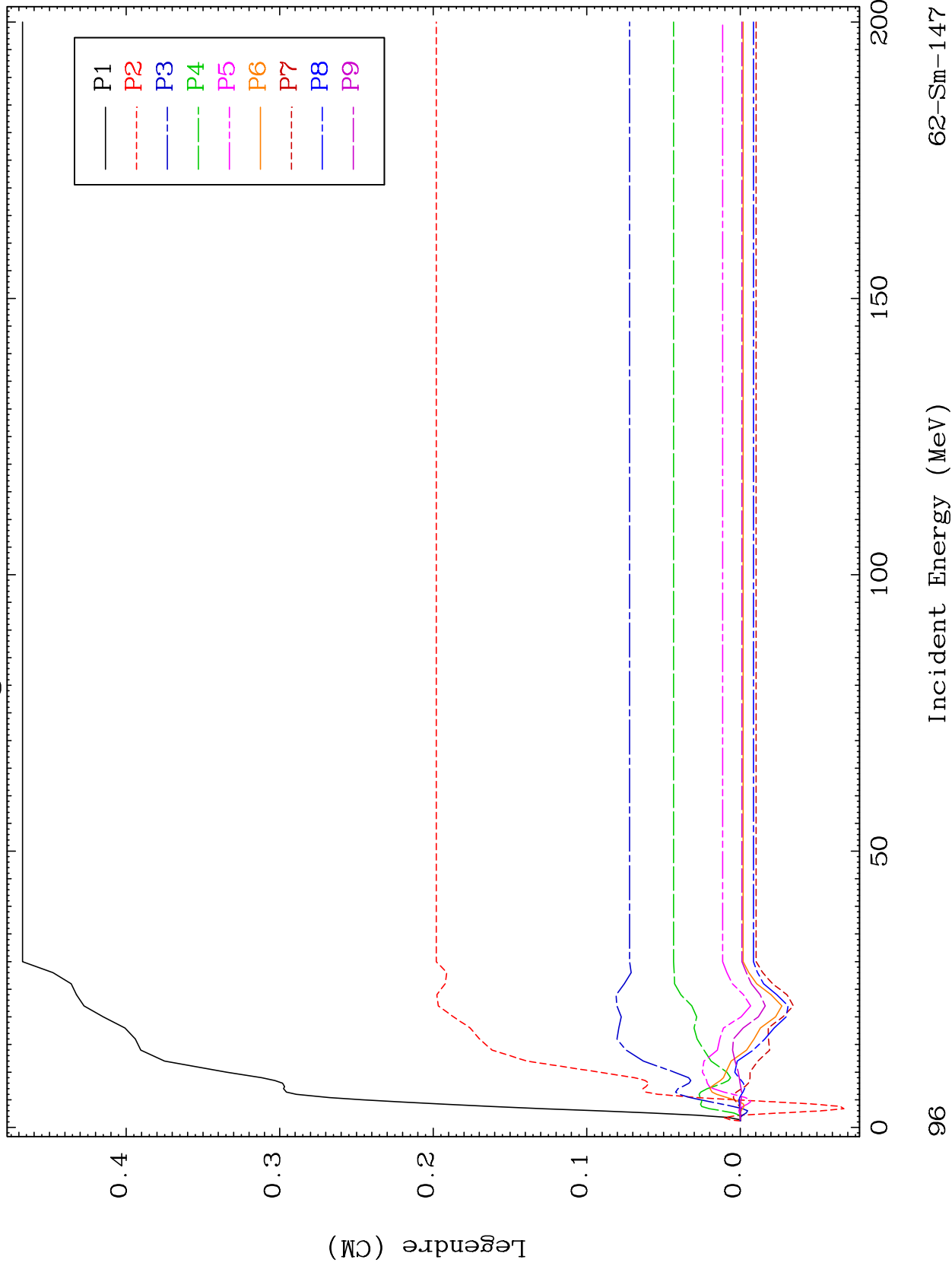
94



MAT 6234

1.162 MeV (n,n') Level
Legendre Coefficients

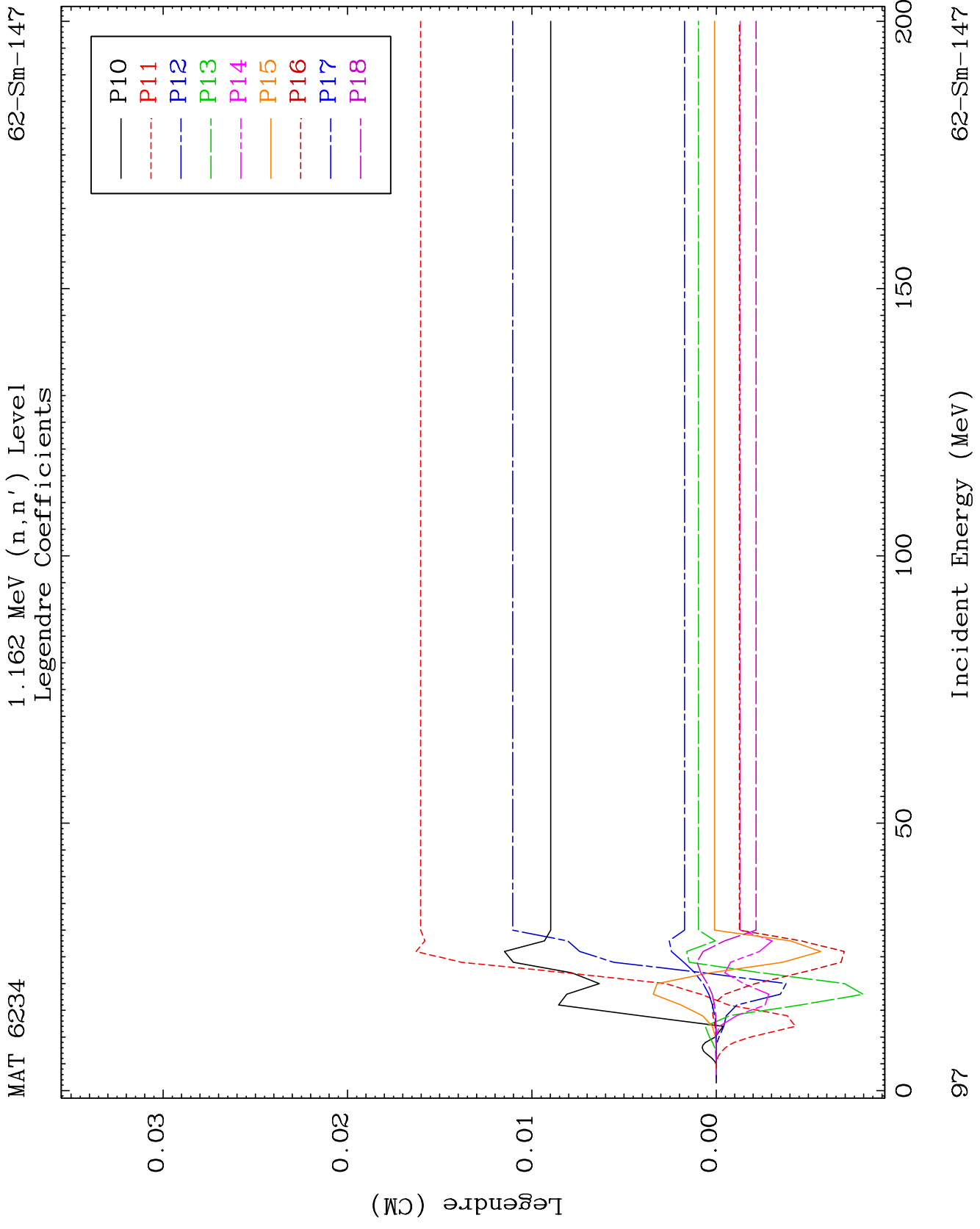
62-Sm-147



62-Sm-147

Incident Energy (MeV)

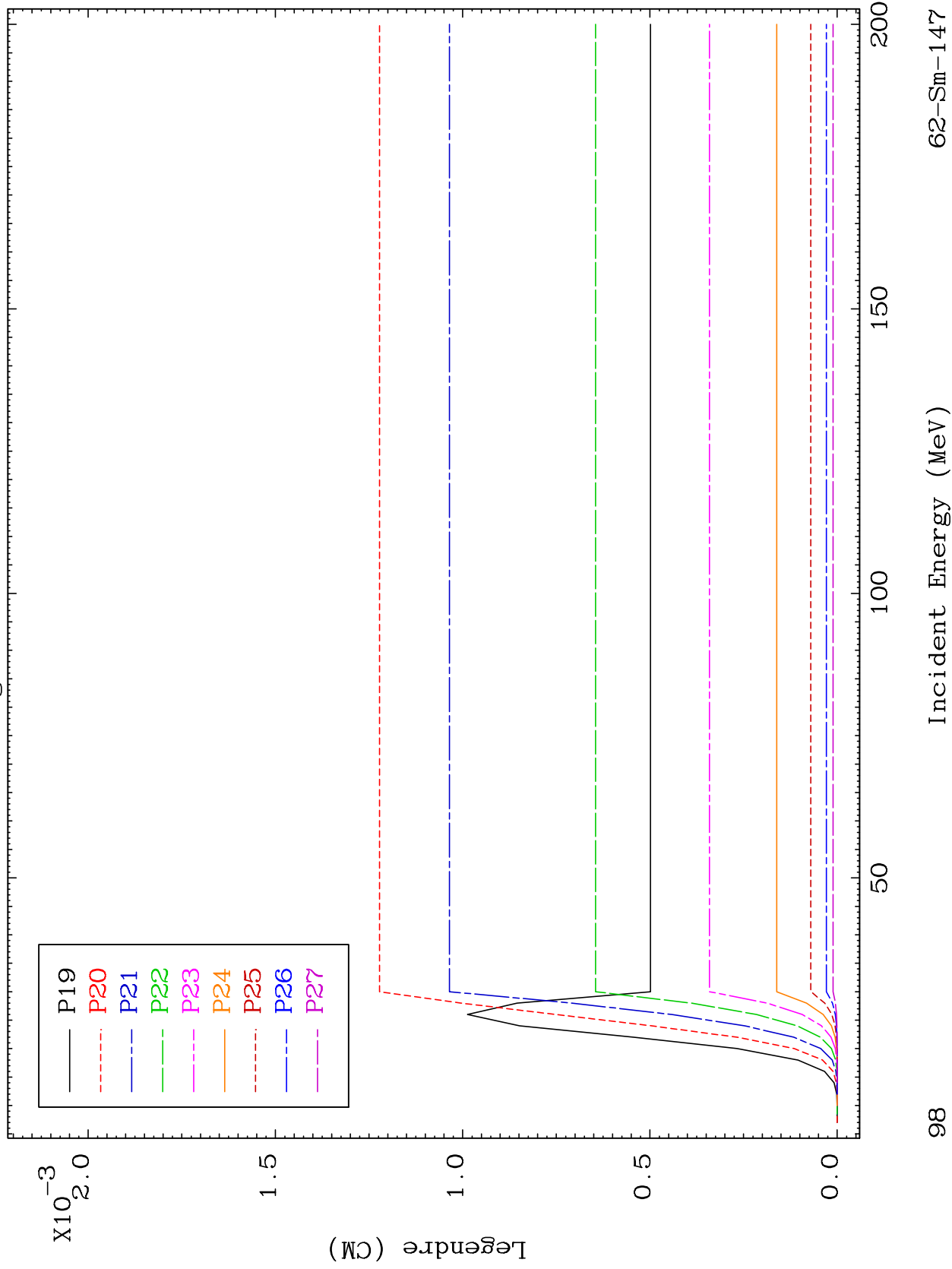
96

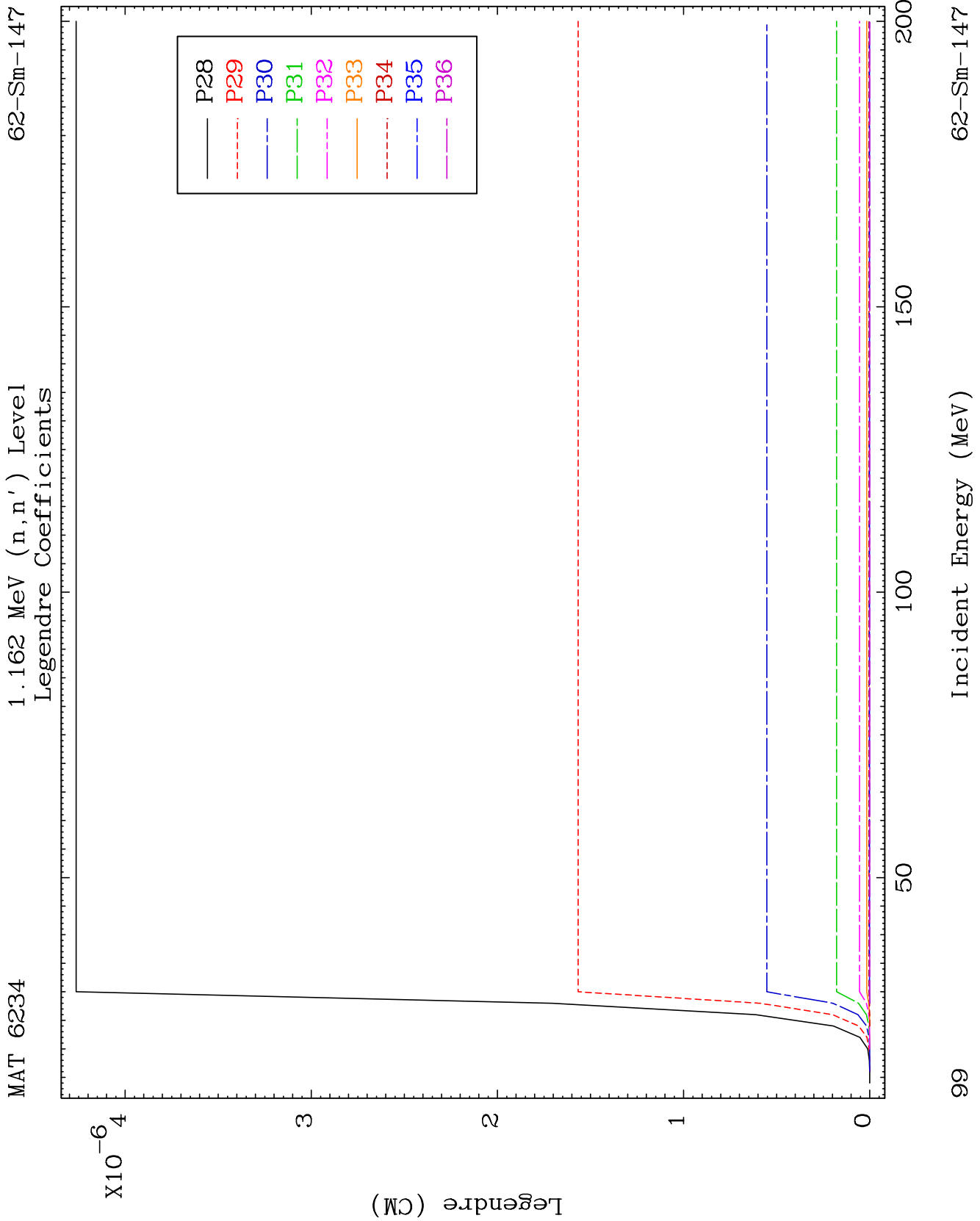


MAT 6234

1.162 MeV (n,n') Level
Legendre Coefficients

62-Sm-147

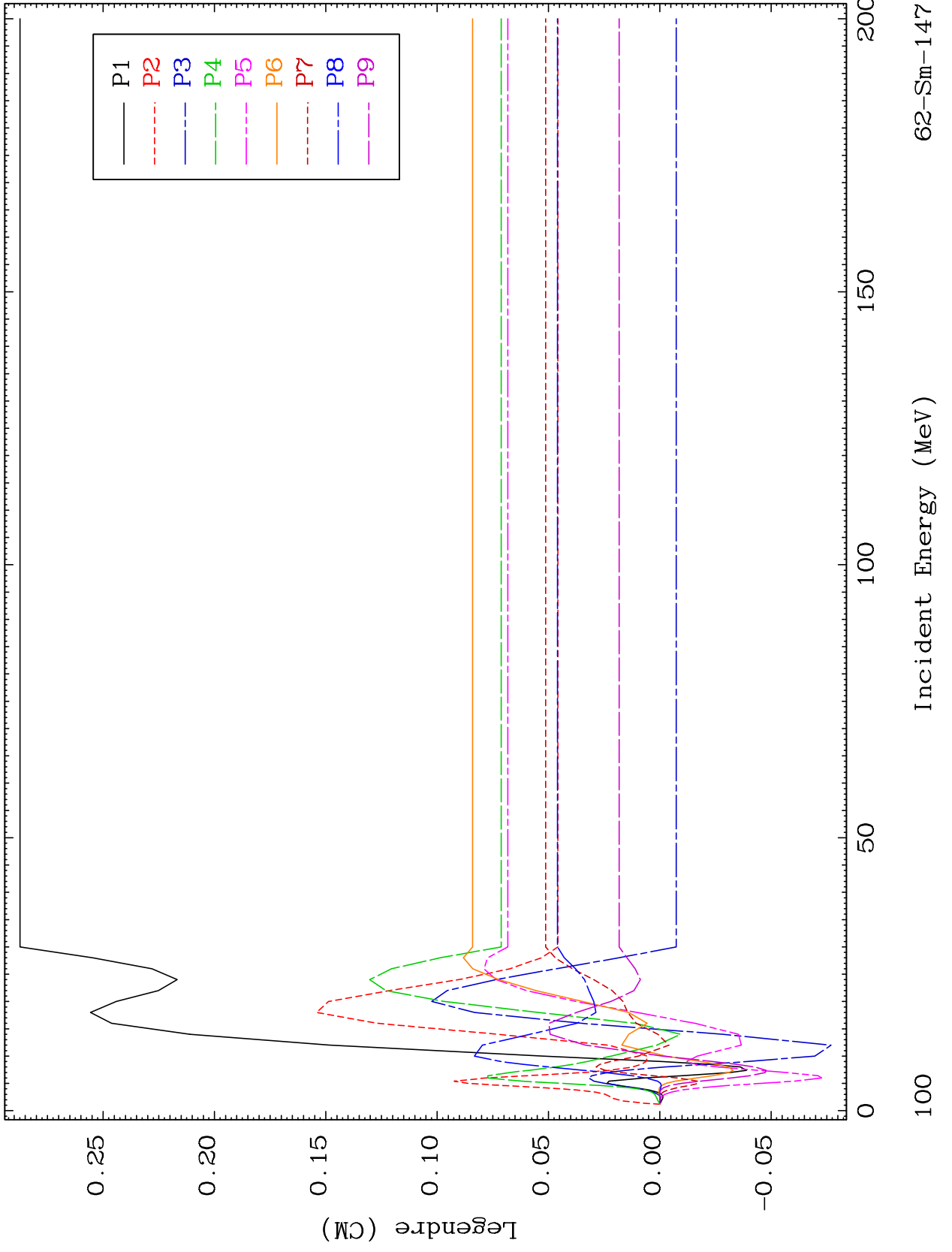




MAT 6234

1.169 MeV (n,n') Level
Legendre Coefficients

62-Sm-147

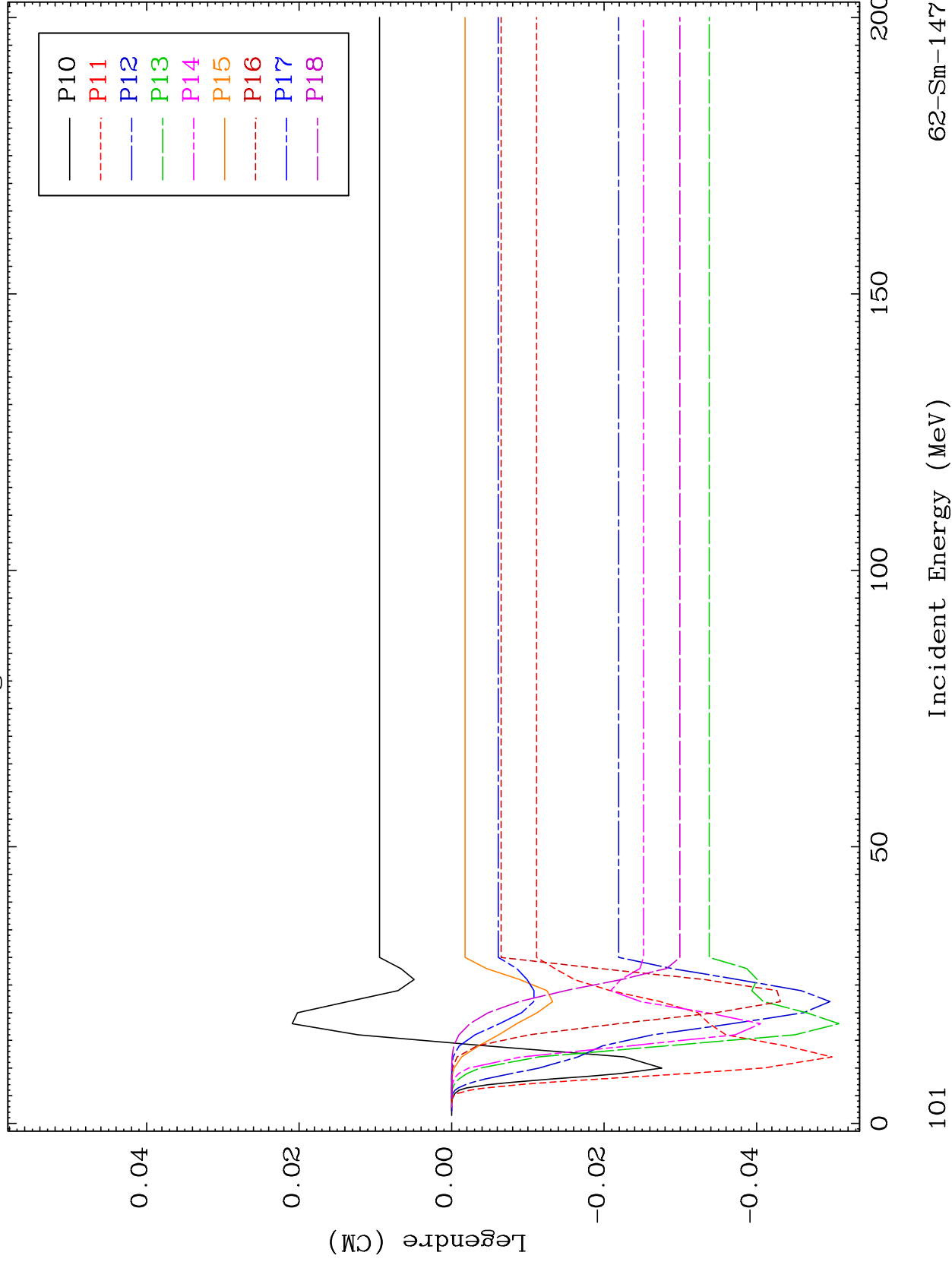


62-Sm-147

MAT 6234

1.169 MeV (n,n') Level
Legendre Coefficients

62-Sm-147



62-Sm-147

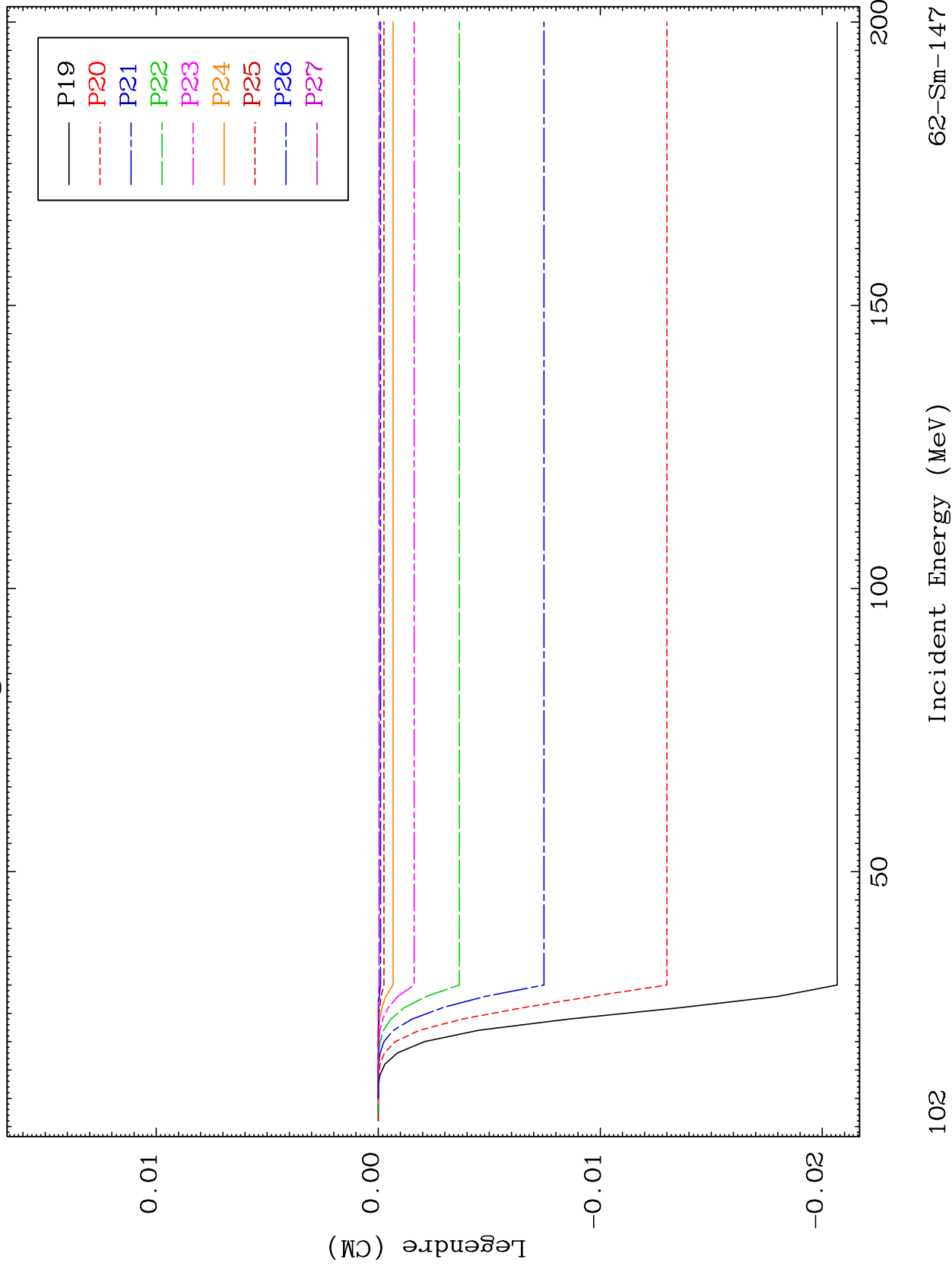
Incident Energy (MeV)

101

MAT 6234

1.169 MeV (n,n') Level
Legendre Coefficients

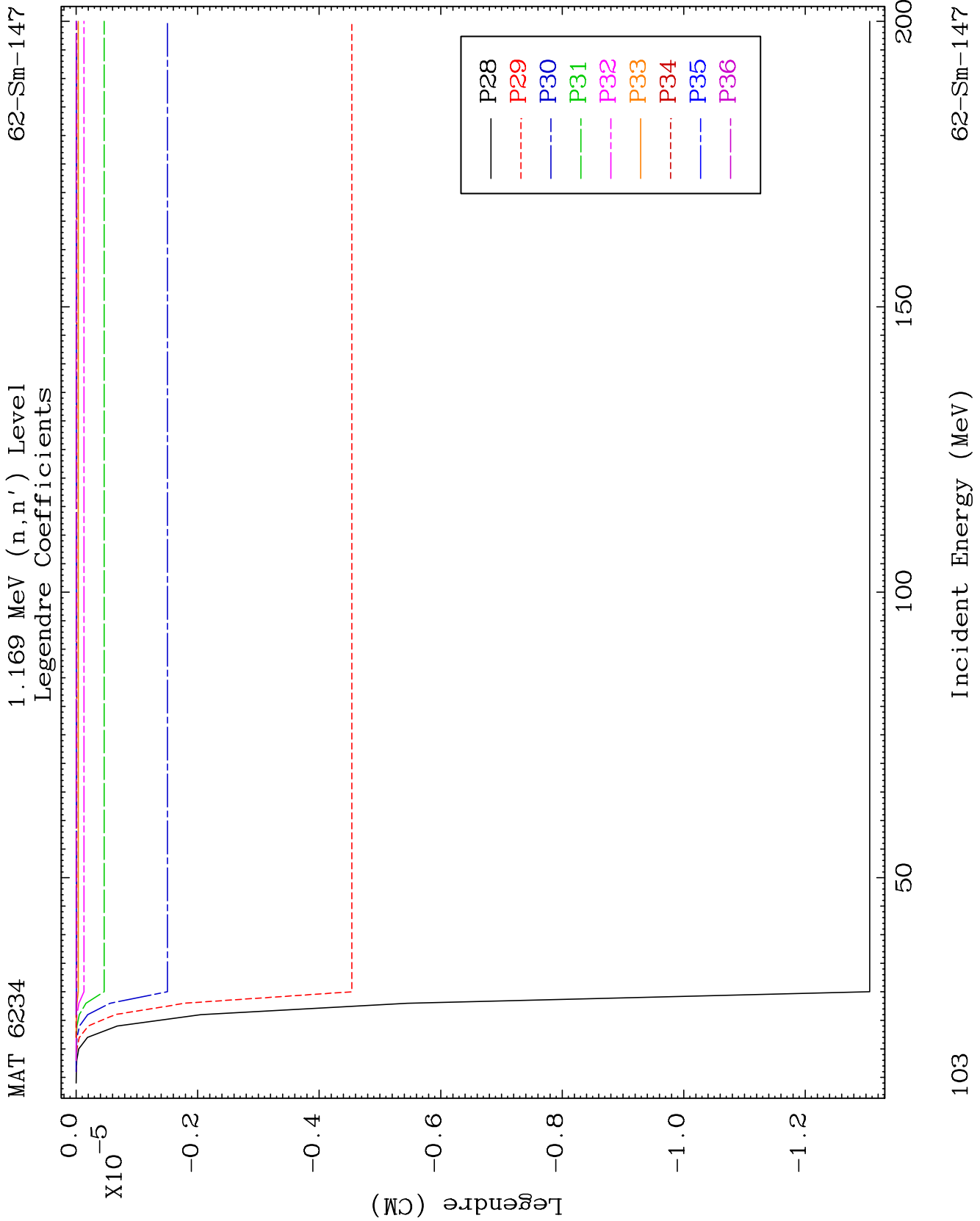
62-Sm-147

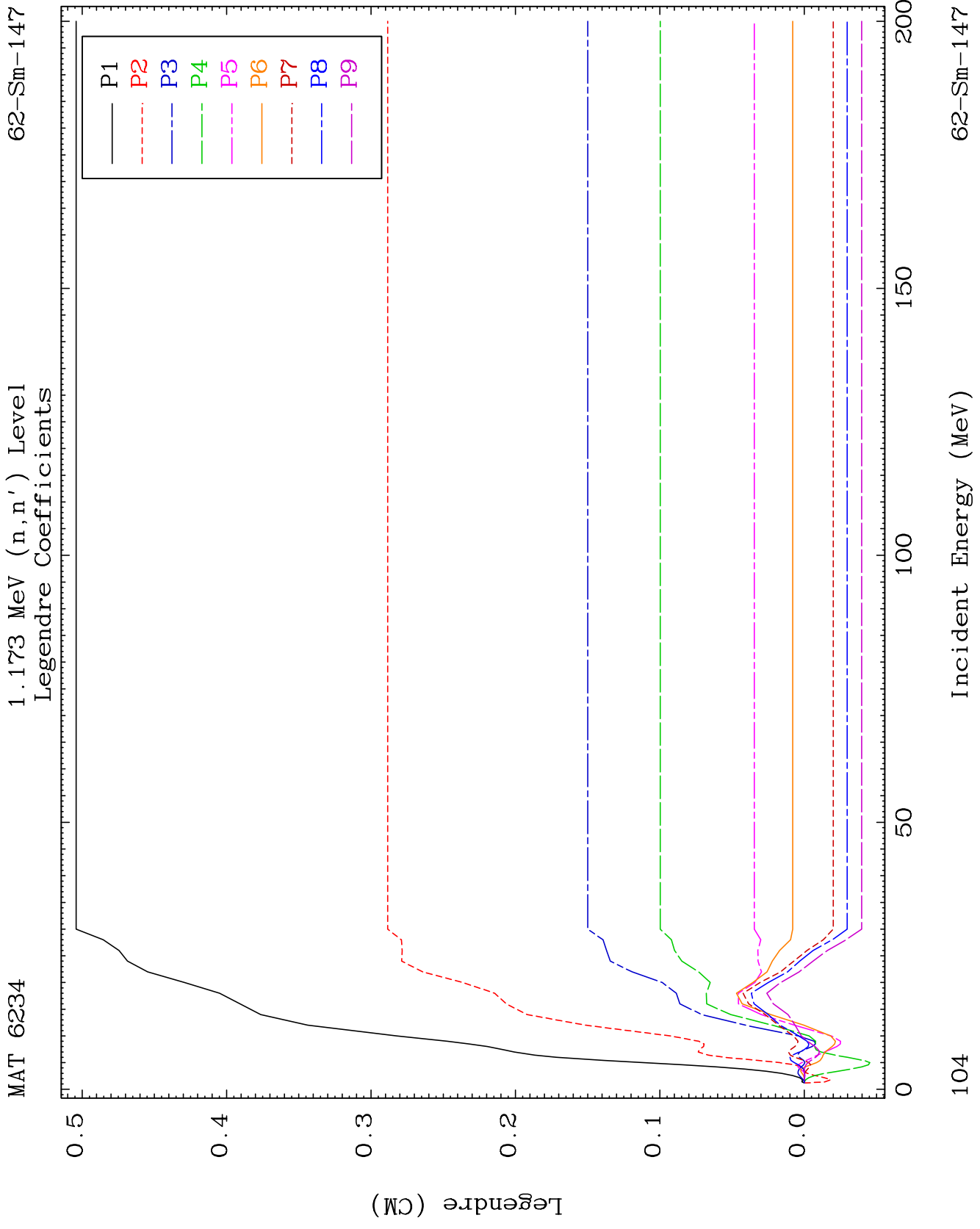


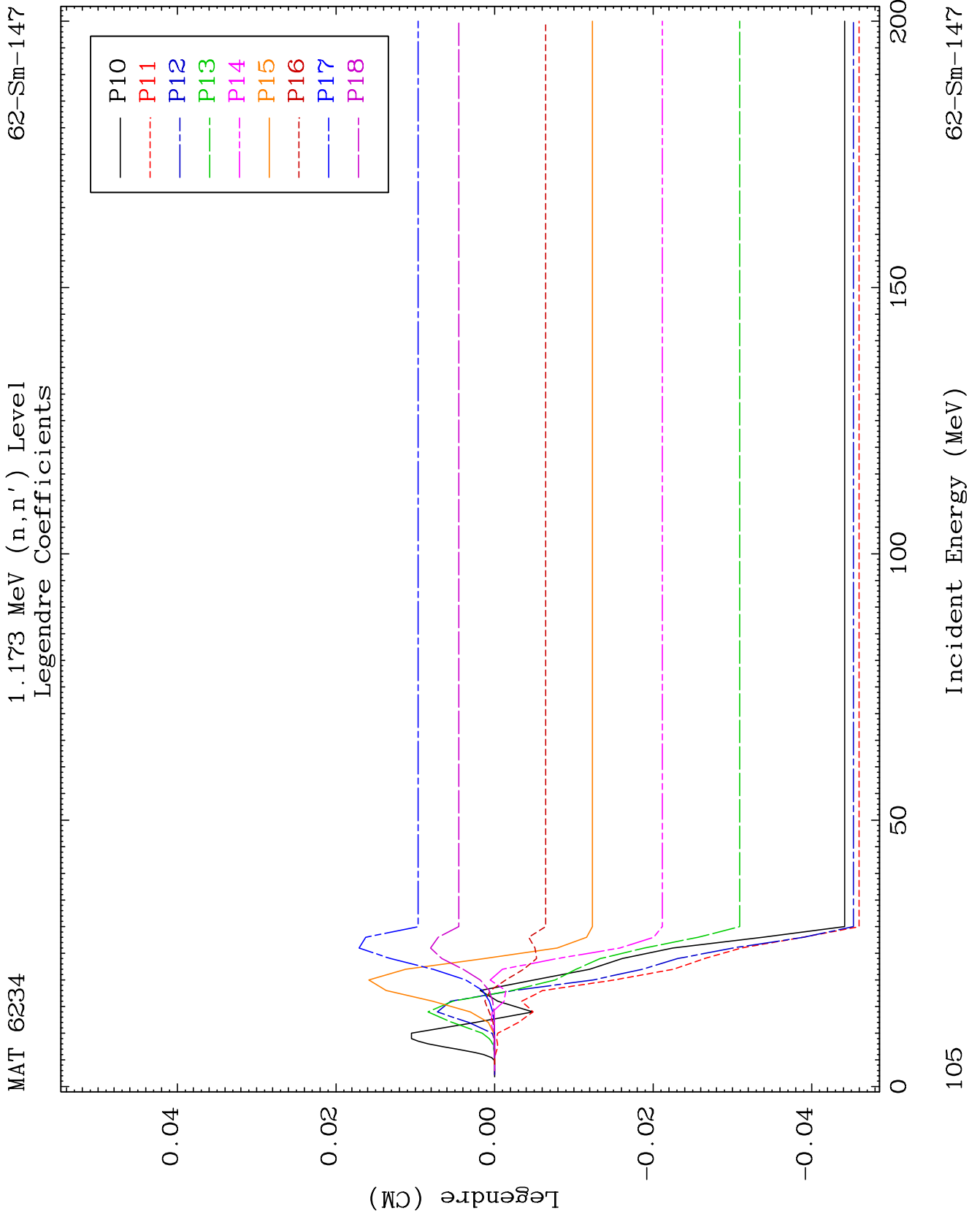
102

Incident Energy (MeV)

62-Sm-147



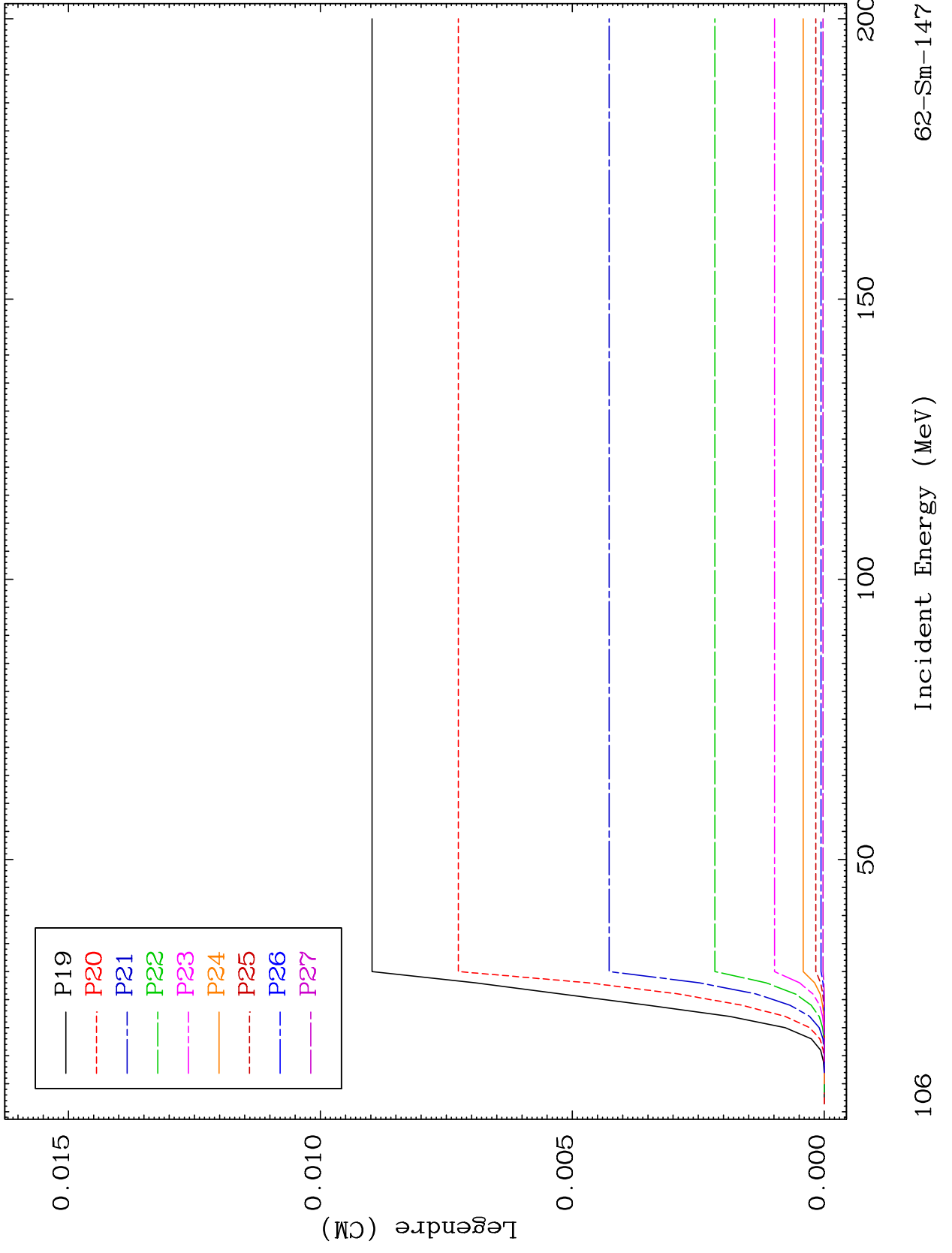




MAT 6234

1.173 MeV (n, n') Level
Legendre Coefficients

62-Sm-147



106

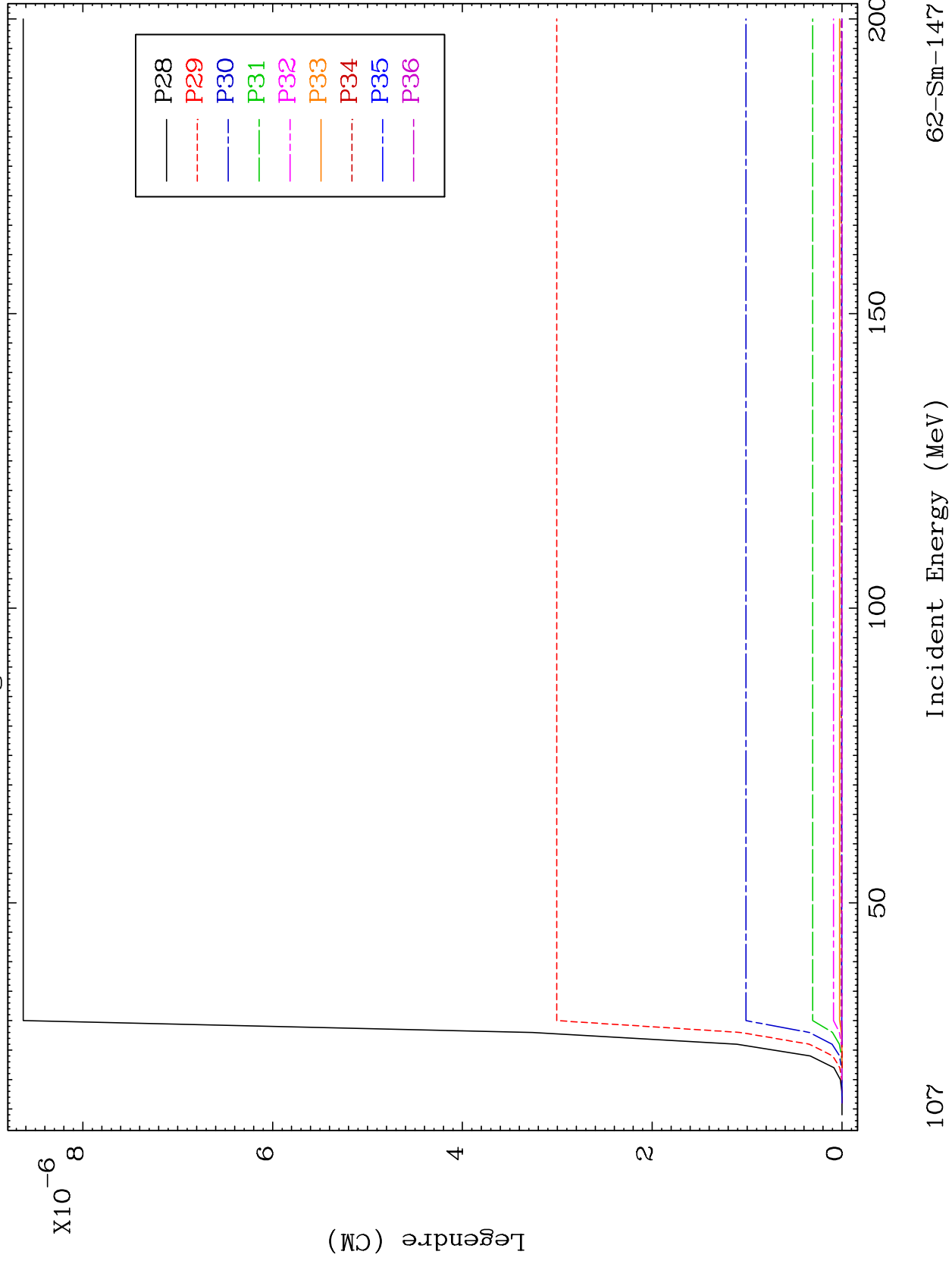
Incident Energy (MeV)

62-Sm-147

MAT 6234

1.173 MeV (n, n') Level
Legendre Coefficients

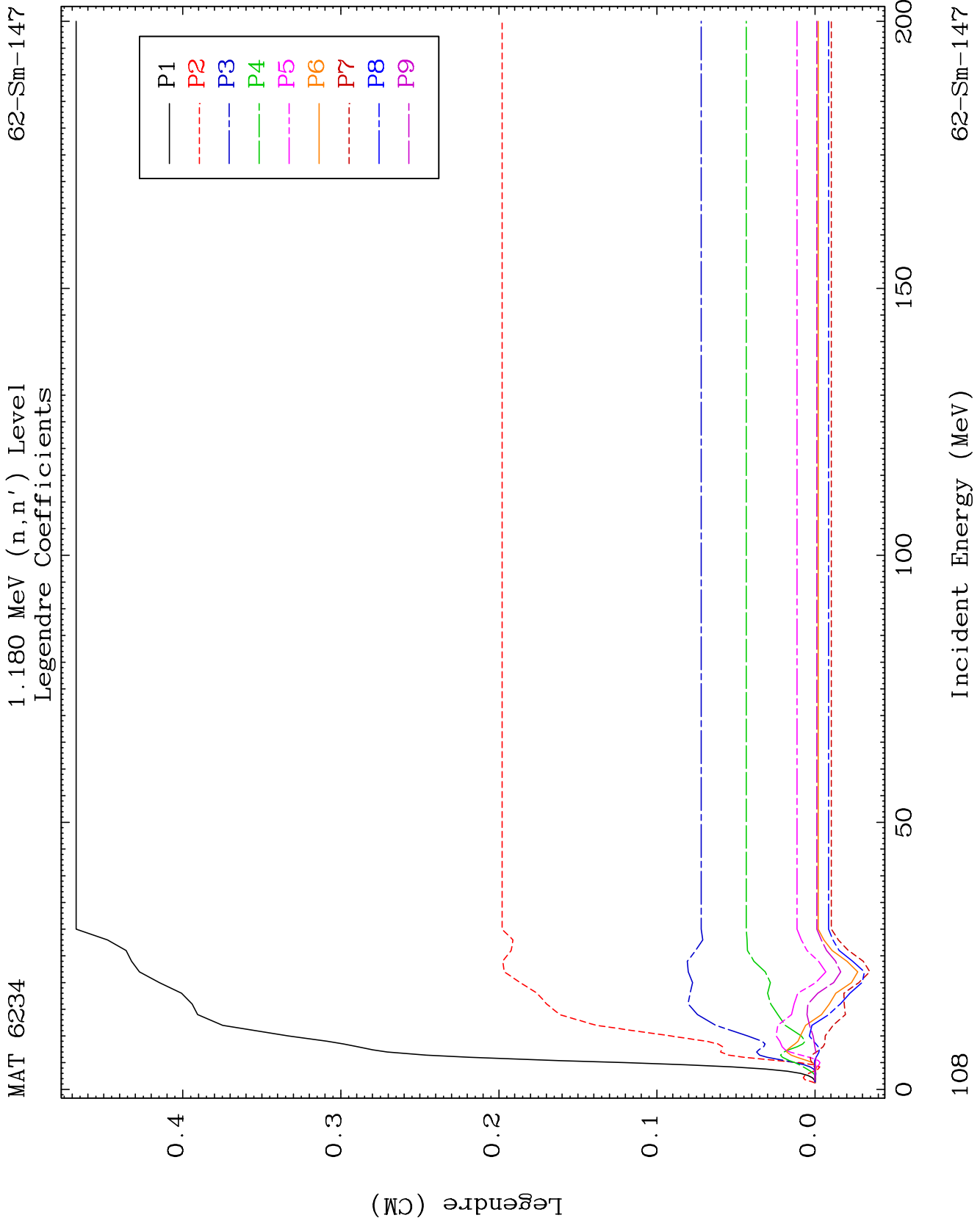
62-Sm-147



107

Incident Energy (MeV)

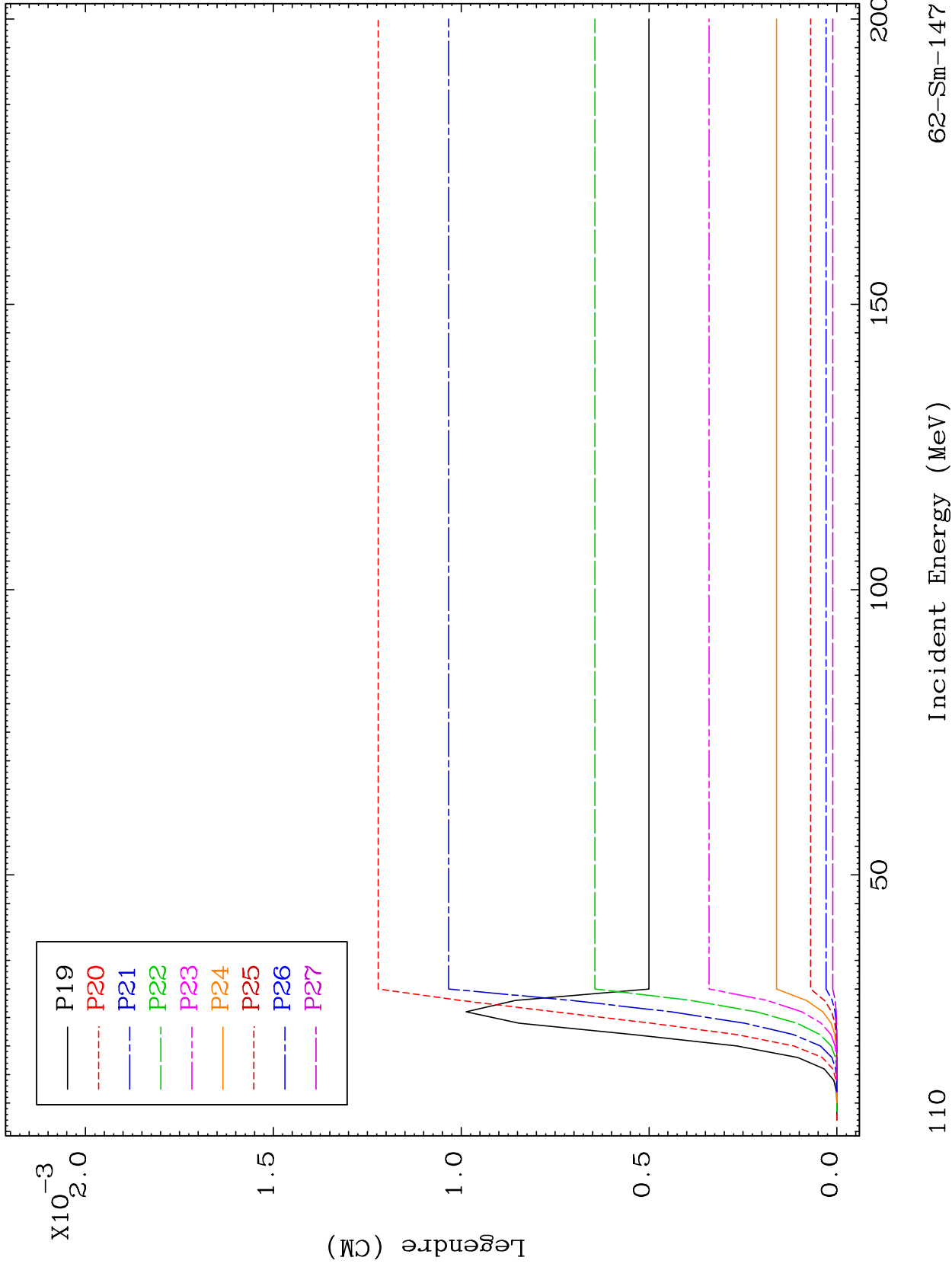
62-Sm-147



MAT 6234

1.180 MeV (n,n') Level
Legendre Coefficients

62-Sm-147



110

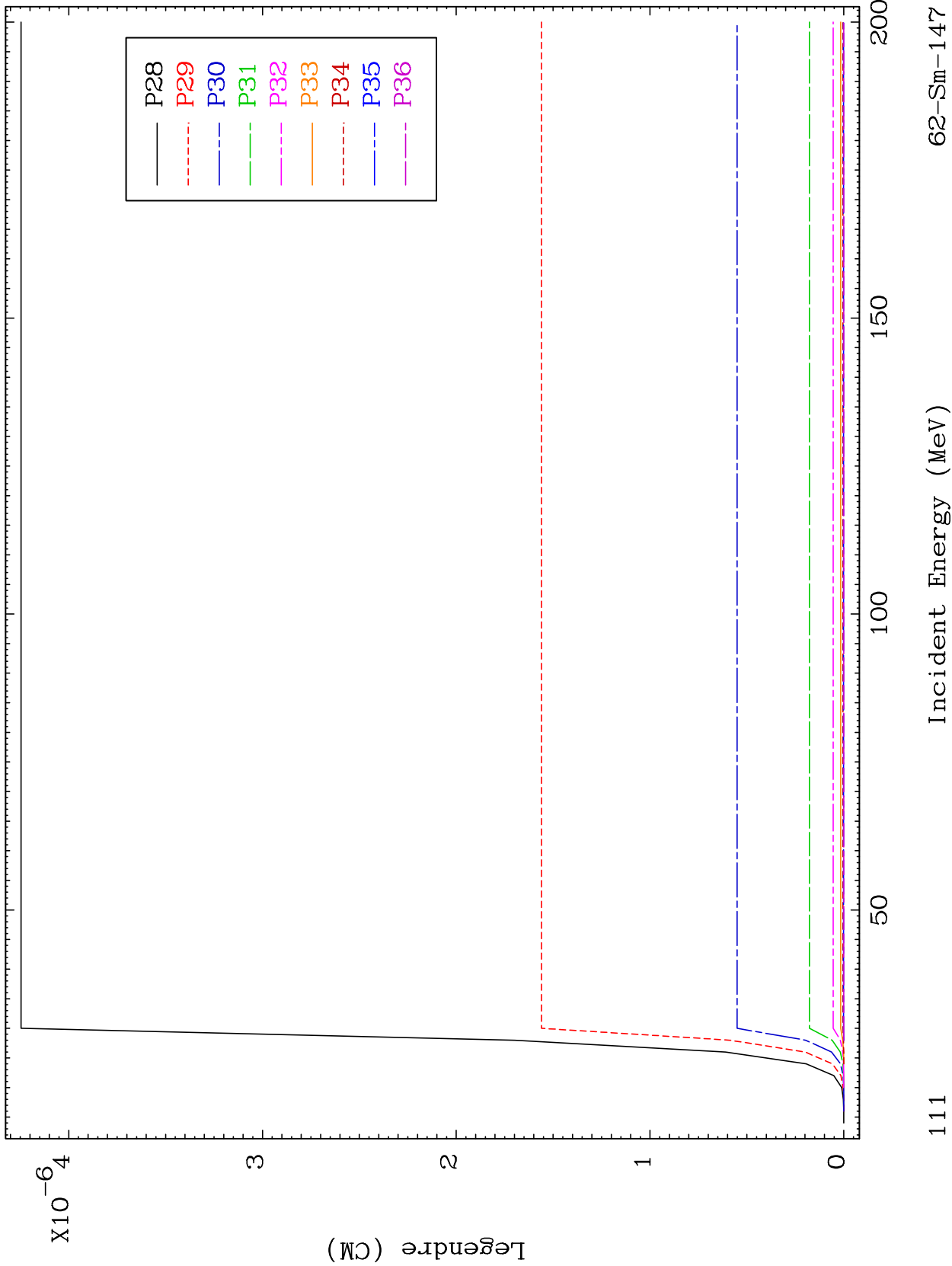
Incident Energy (MeV)

62-Sm-147

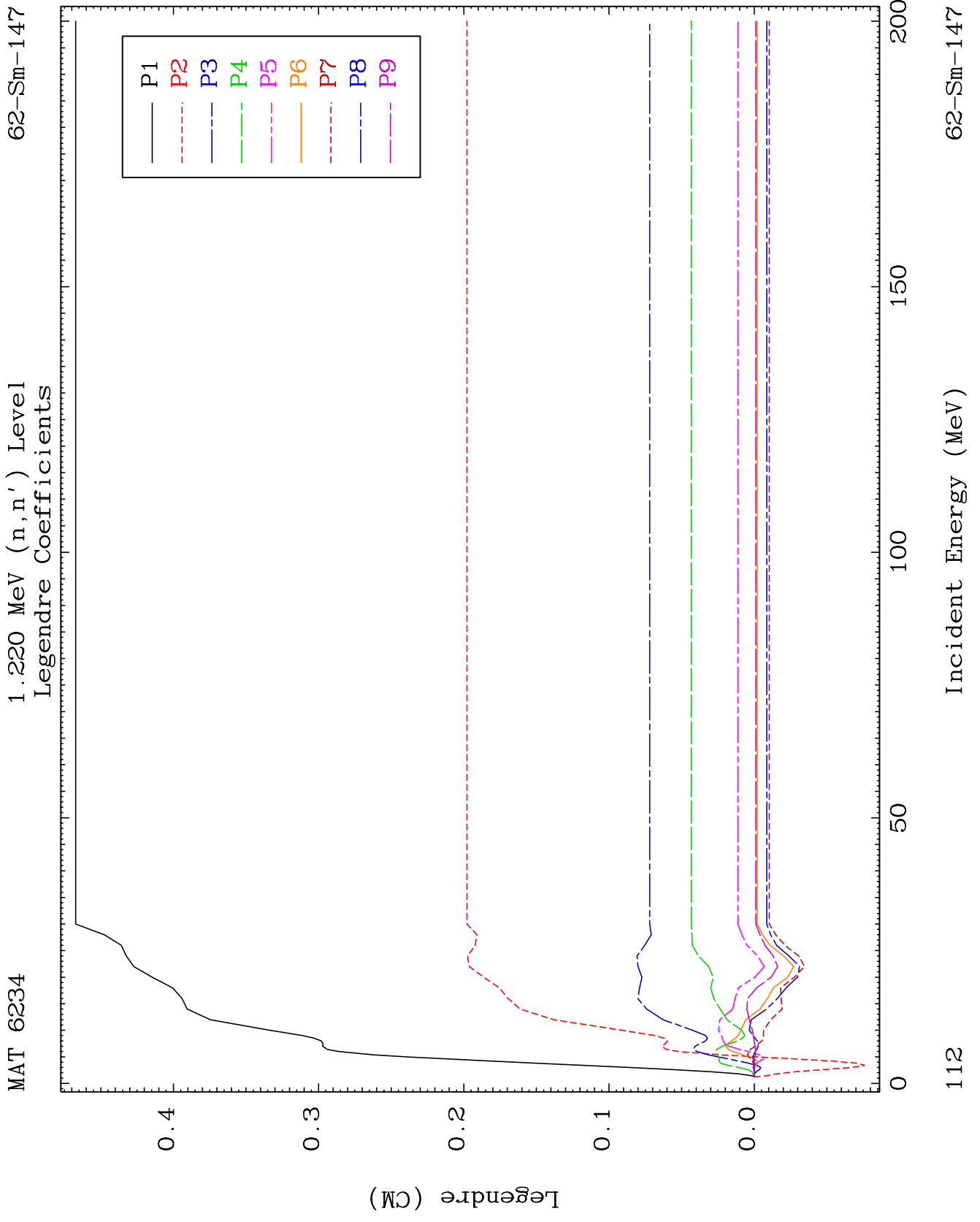
MAT 6234

1.180 MeV (n,n') Level
Legendre Coefficients

62-Sm-147



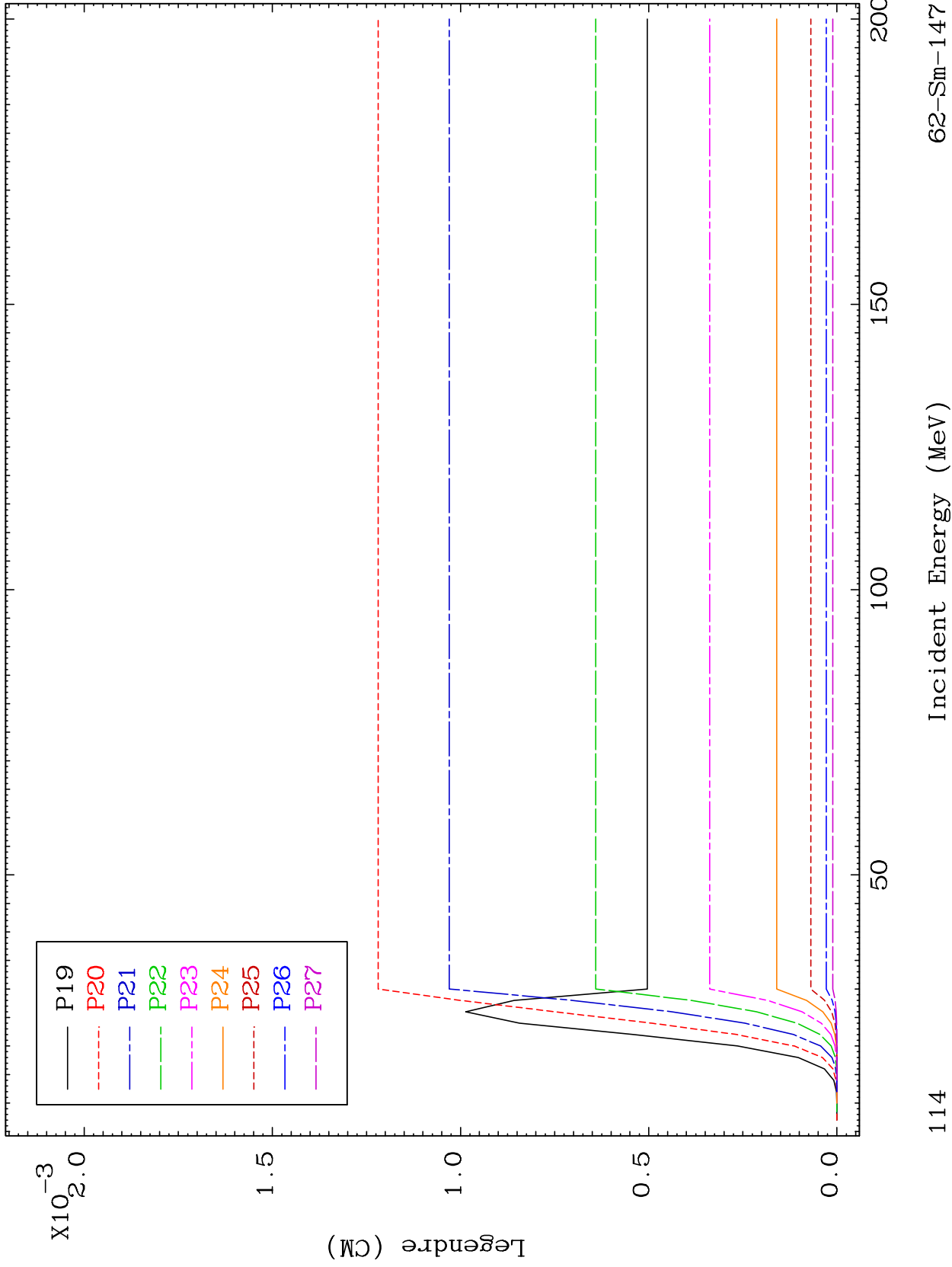
111



MAT 6234

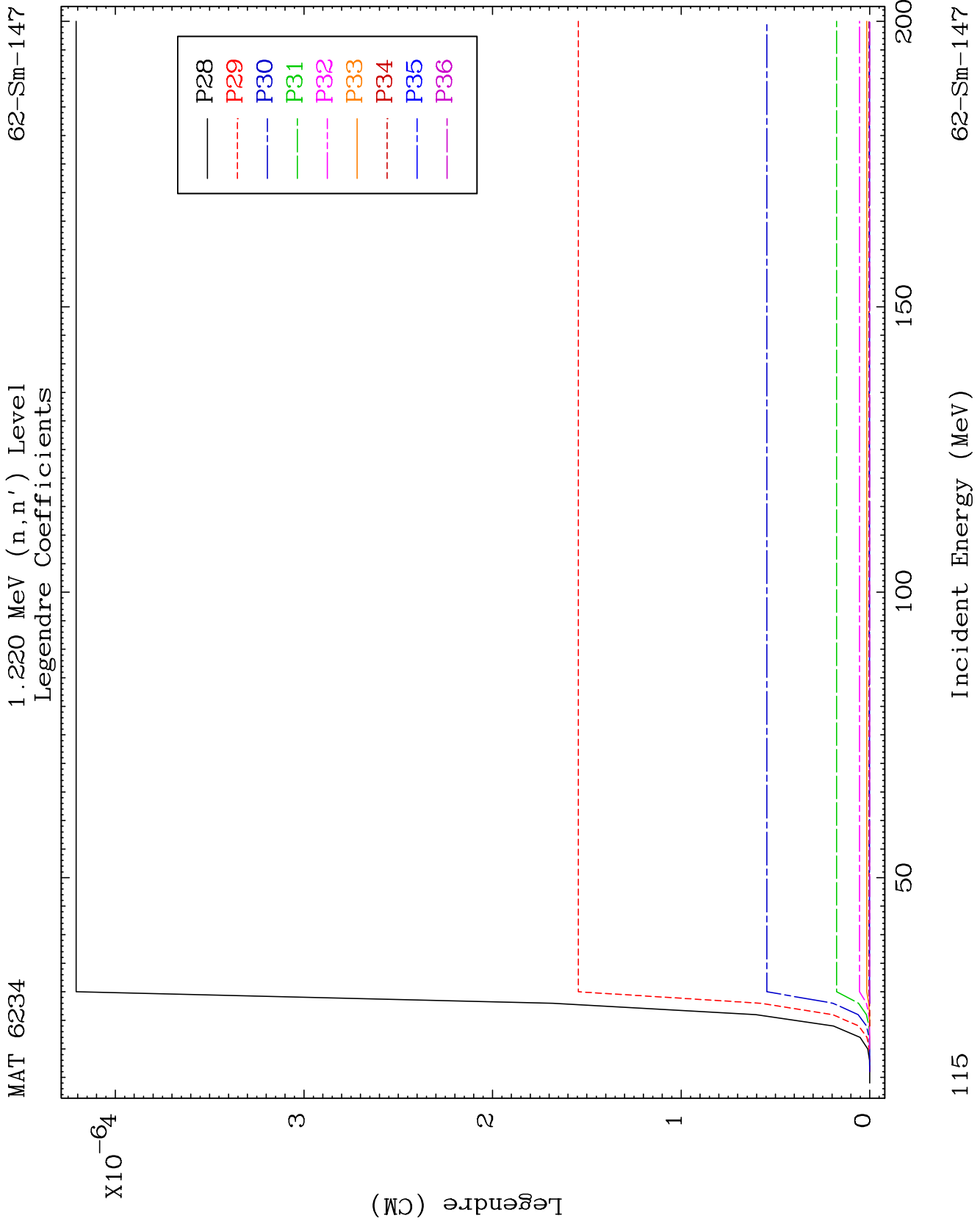
1.220 MeV (n,n') Level
Legendre Coefficients

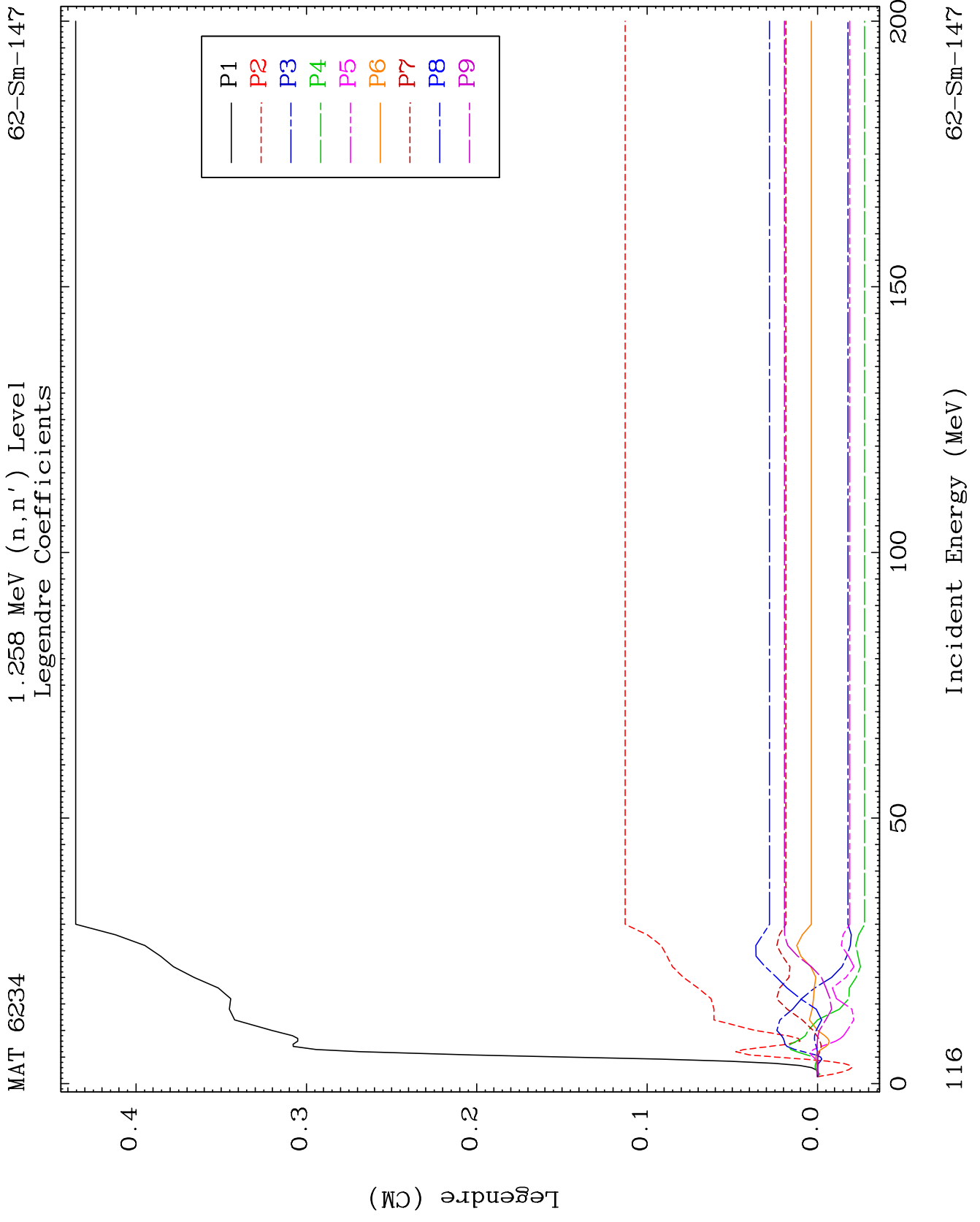
62-Sm-147

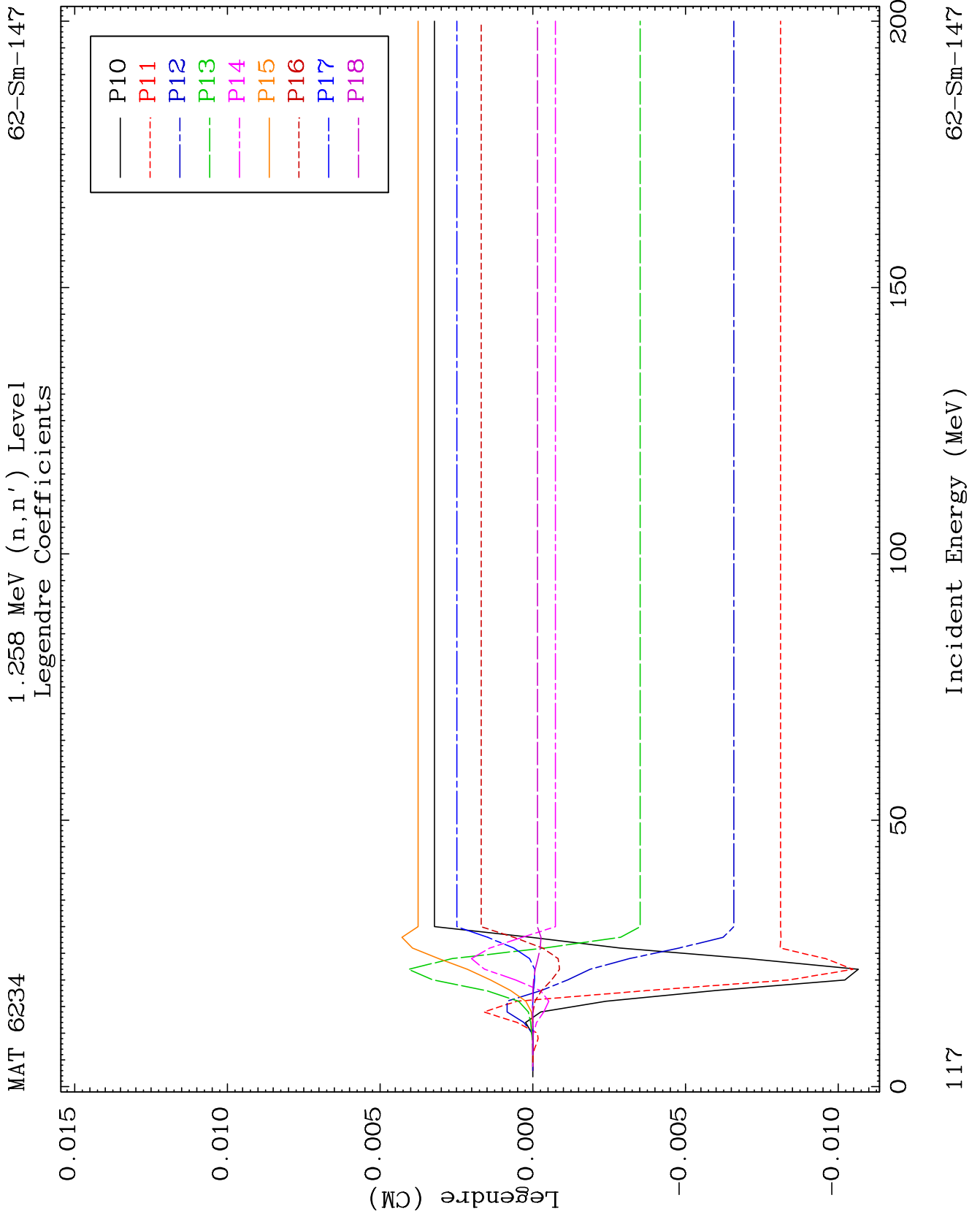


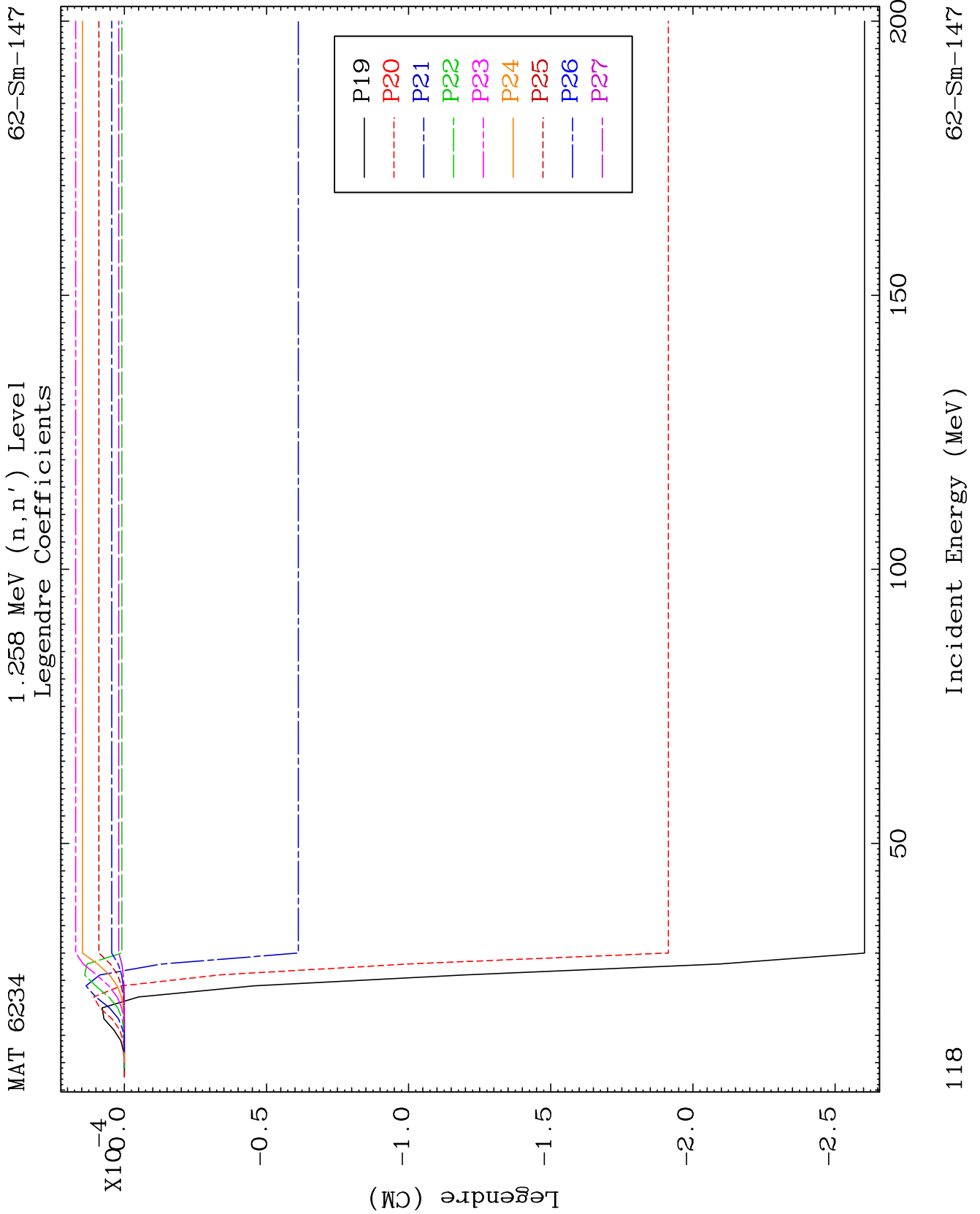
114

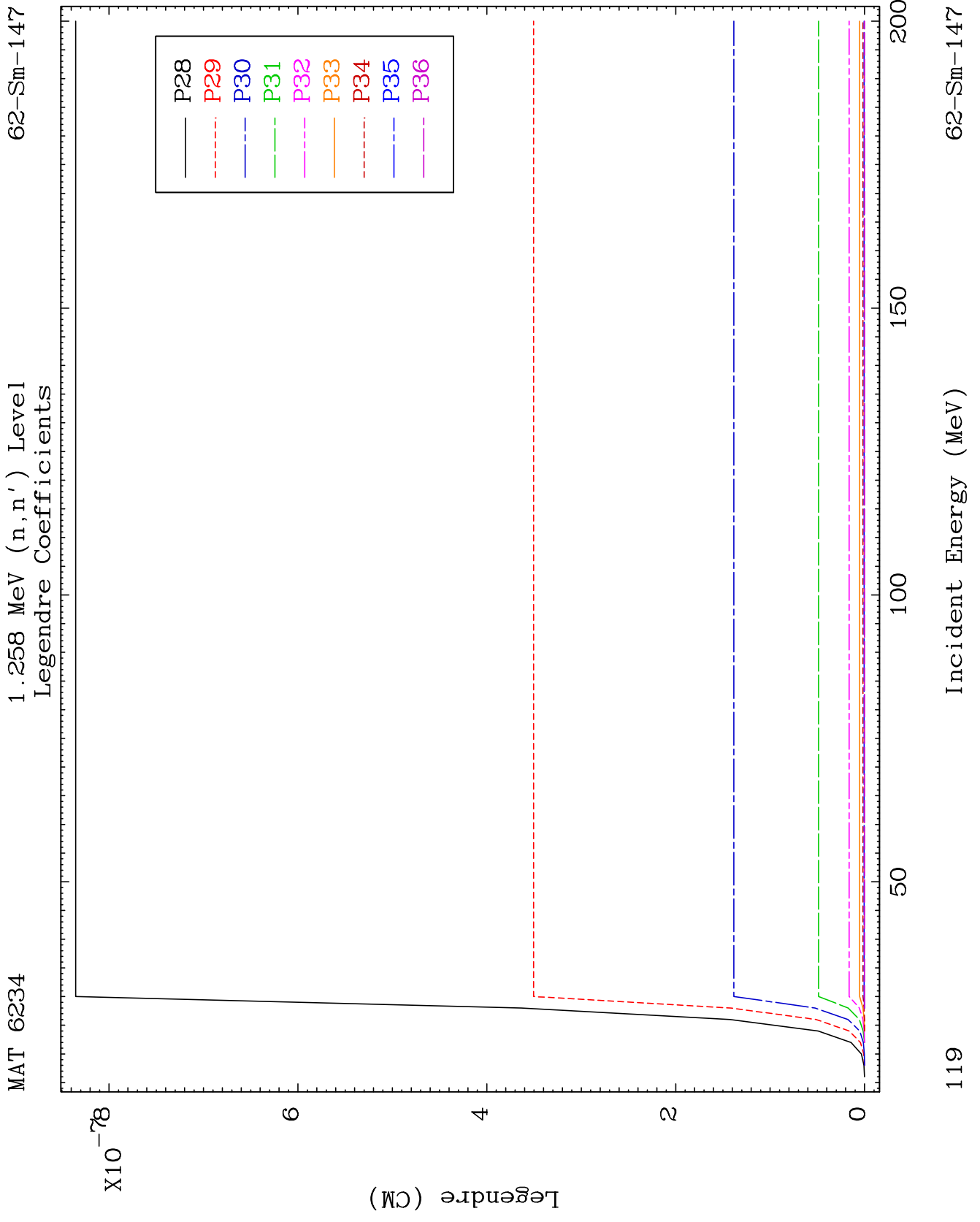
62-Sm-147







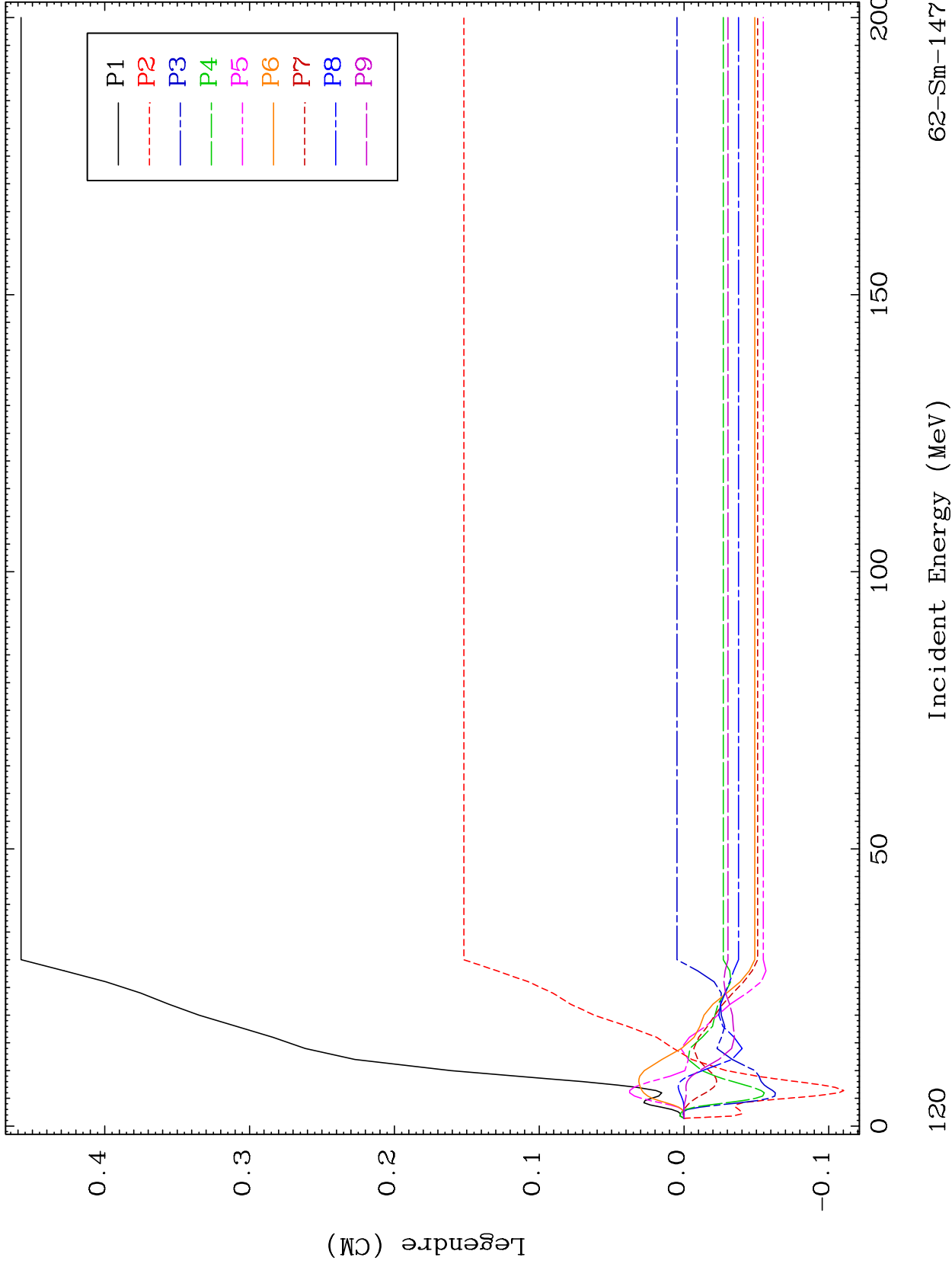




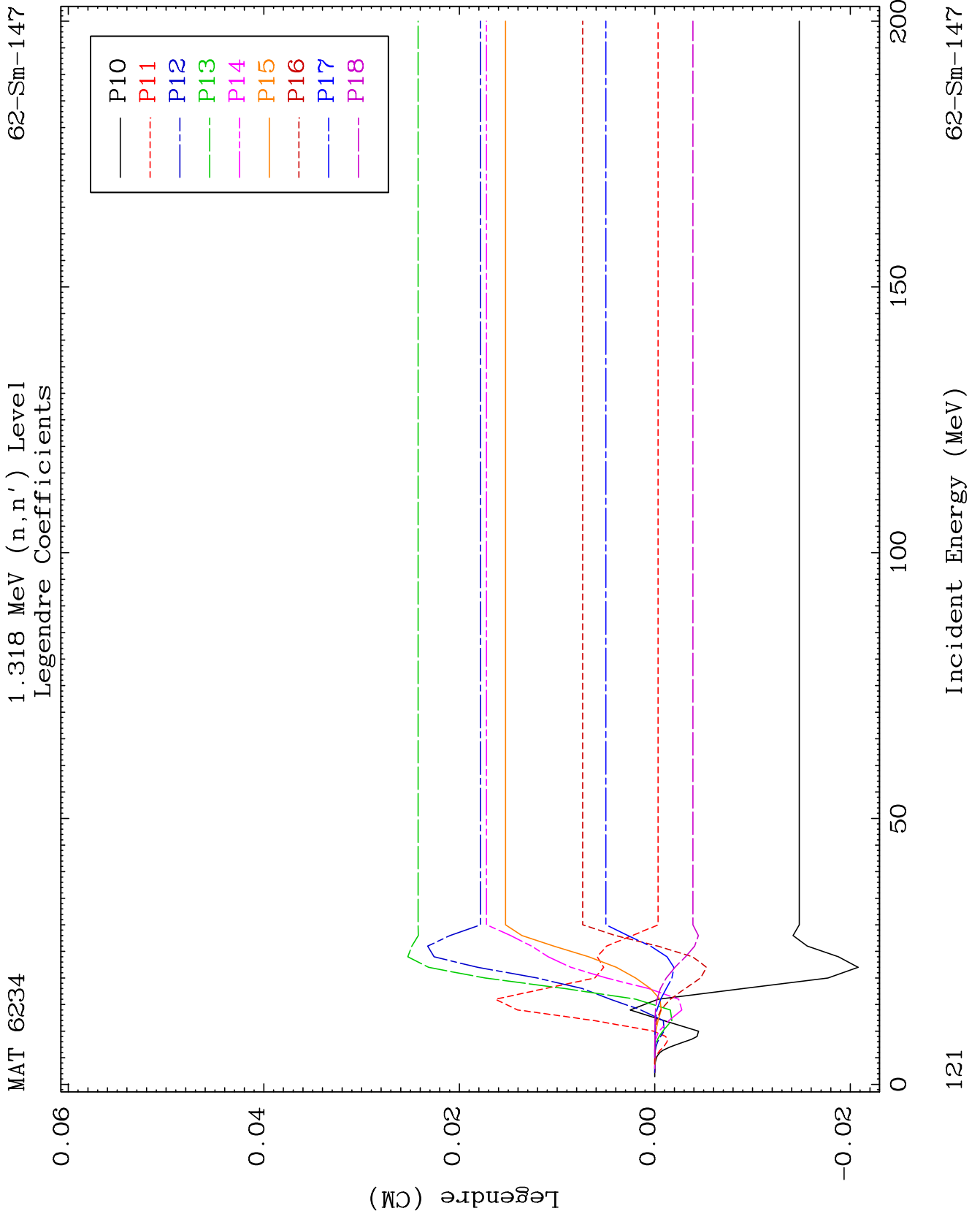
MAT 6234

1.318 MeV (n,n') Level
Legendre Coefficients

62-Sm-147



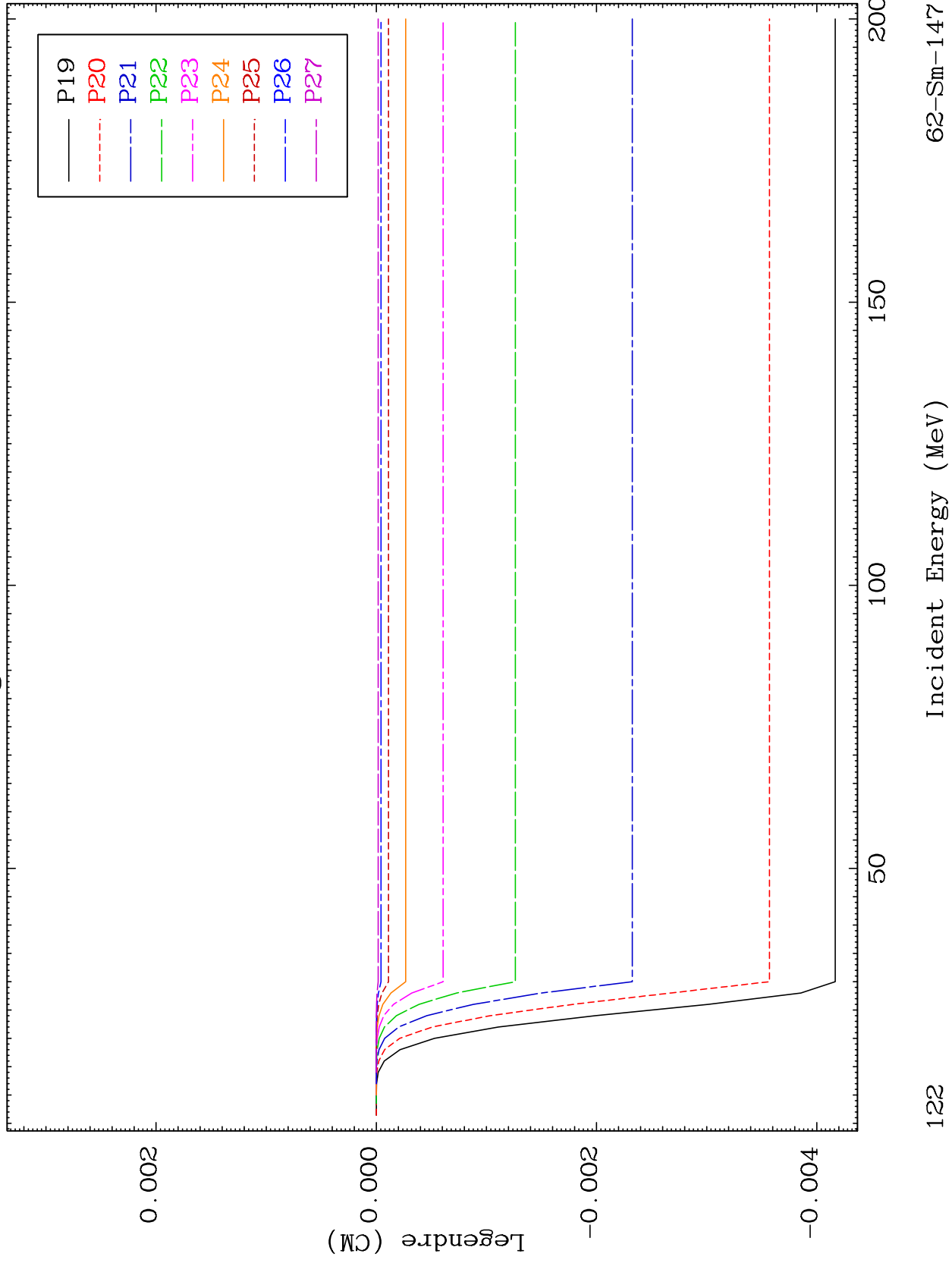
62-Sm-147



MAT 6234

1.318 MeV (n,n') Level
Legendre Coefficients

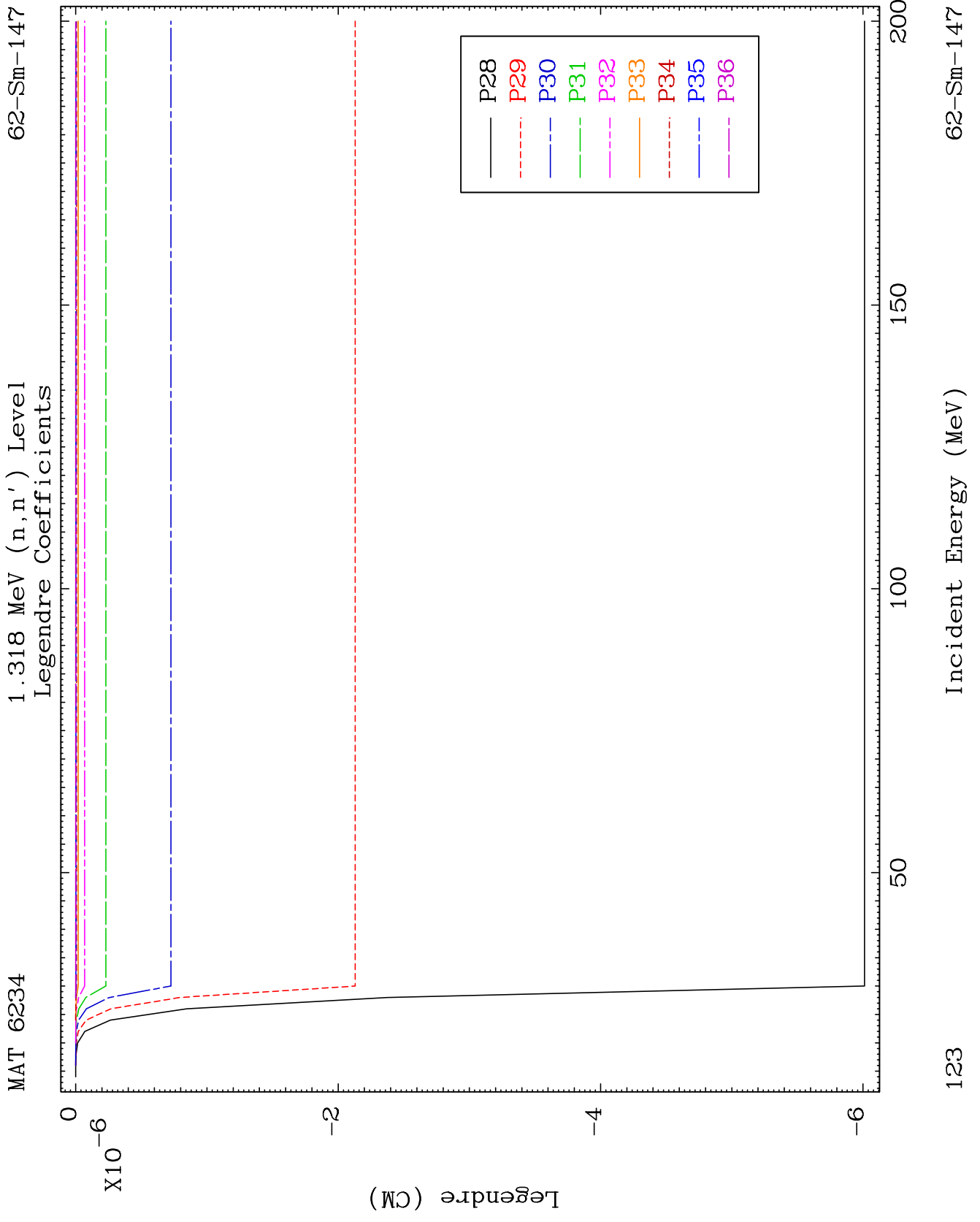
62-Sm-147



122

Incident Energy (MeV)

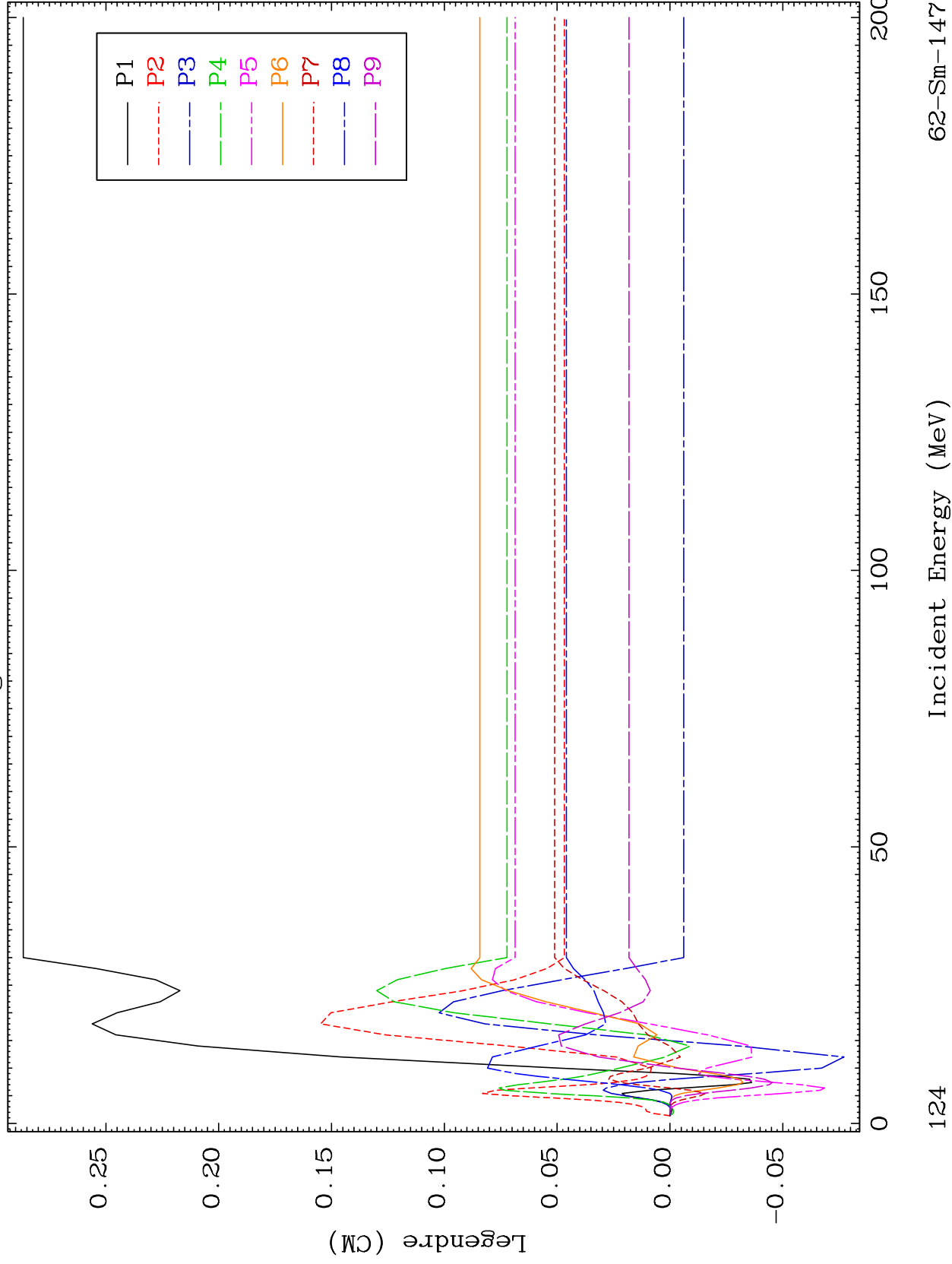
62-Sm-147



MAT 6234

1.326 MeV (n,n') Level
Legendre Coefficients

62-Sm-147



62-Sm-147

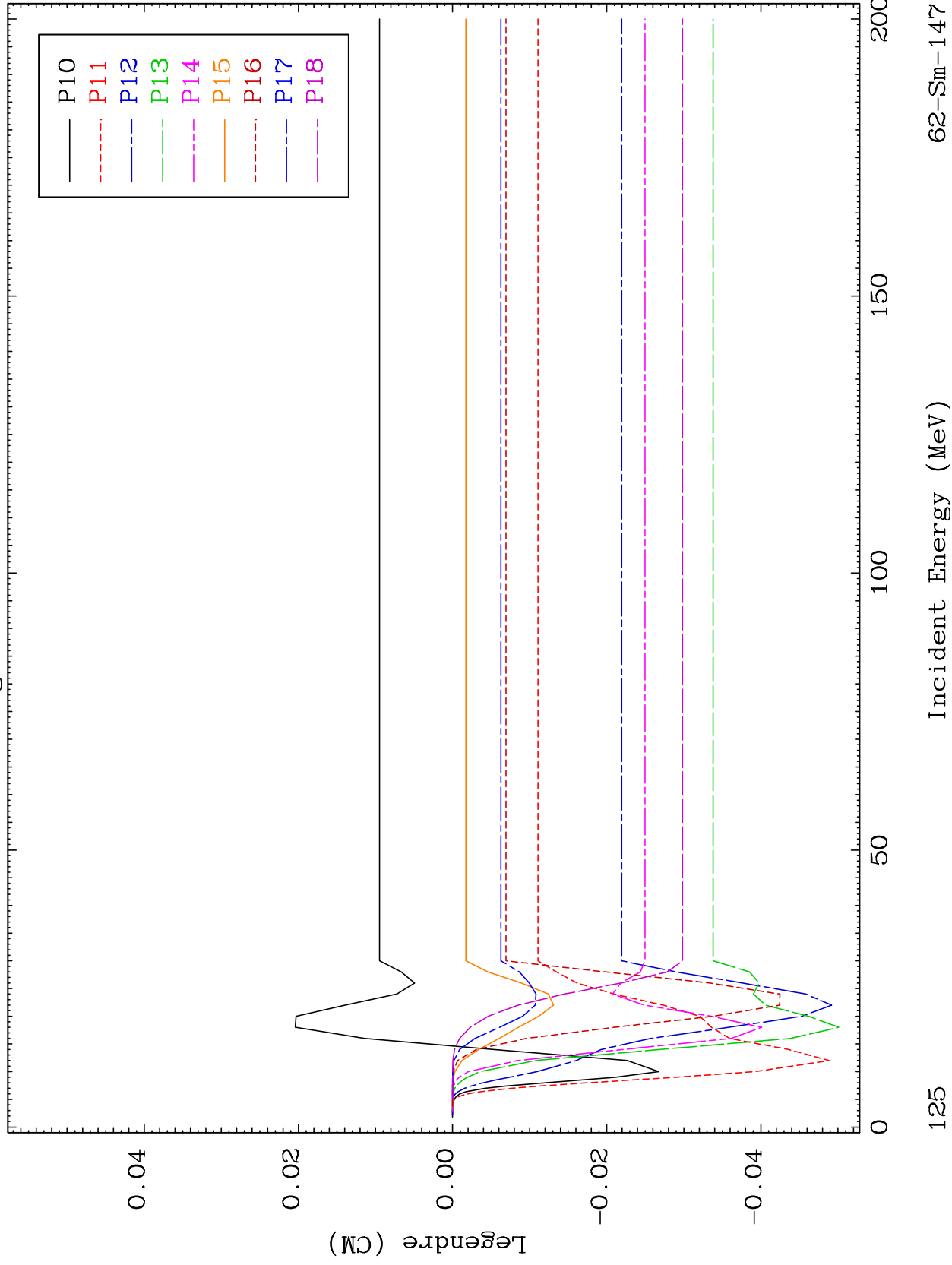
Incident Energy (MeV)

124

MAT 6234

1.326 MeV (n,n') Level
Legendre Coefficients

62-Sm-147



62-Sm-147

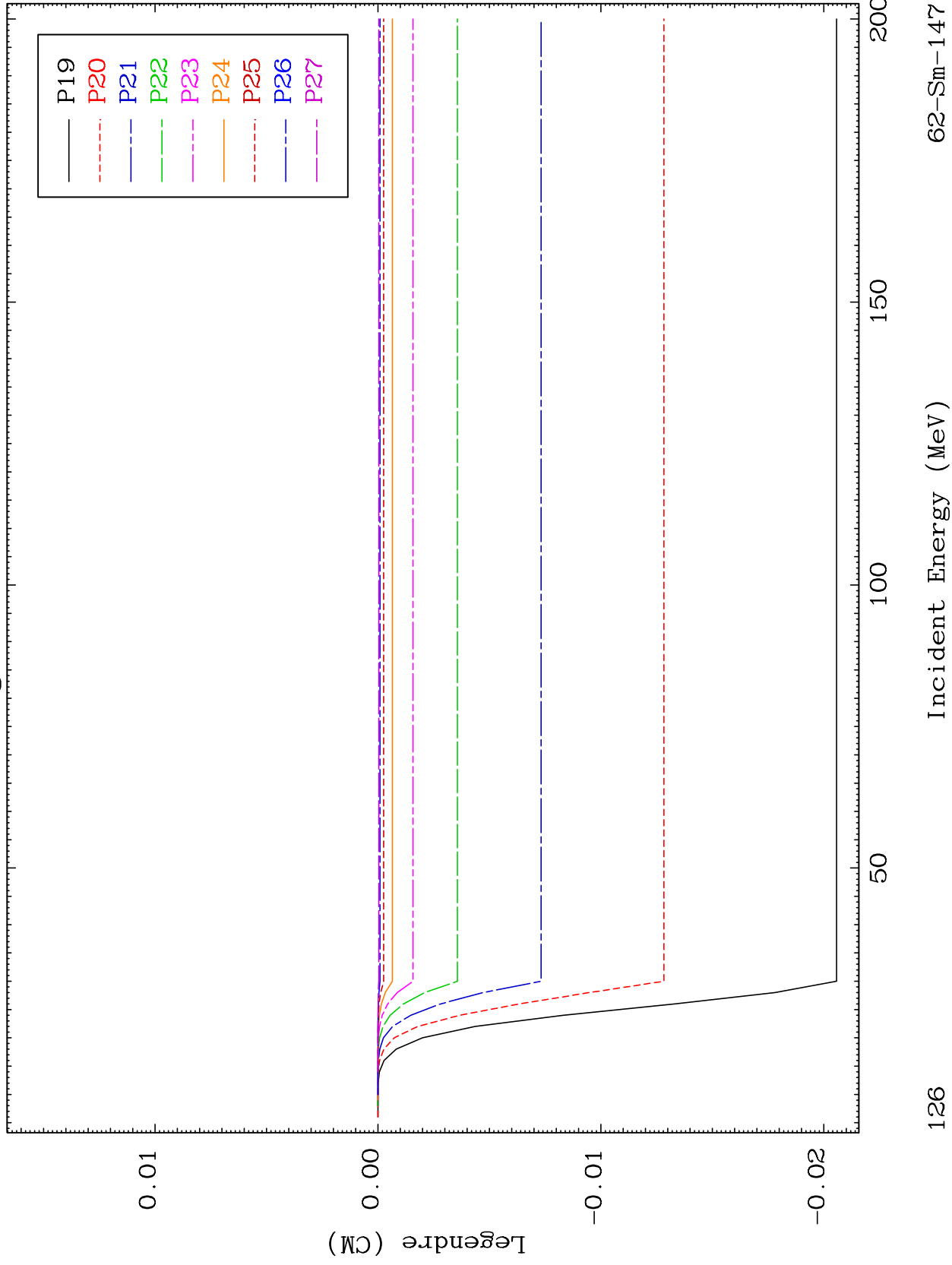
Incident Energy (MeV)

125

MAT 6234

1.326 MeV (n,n') Level
Legendre Coefficients

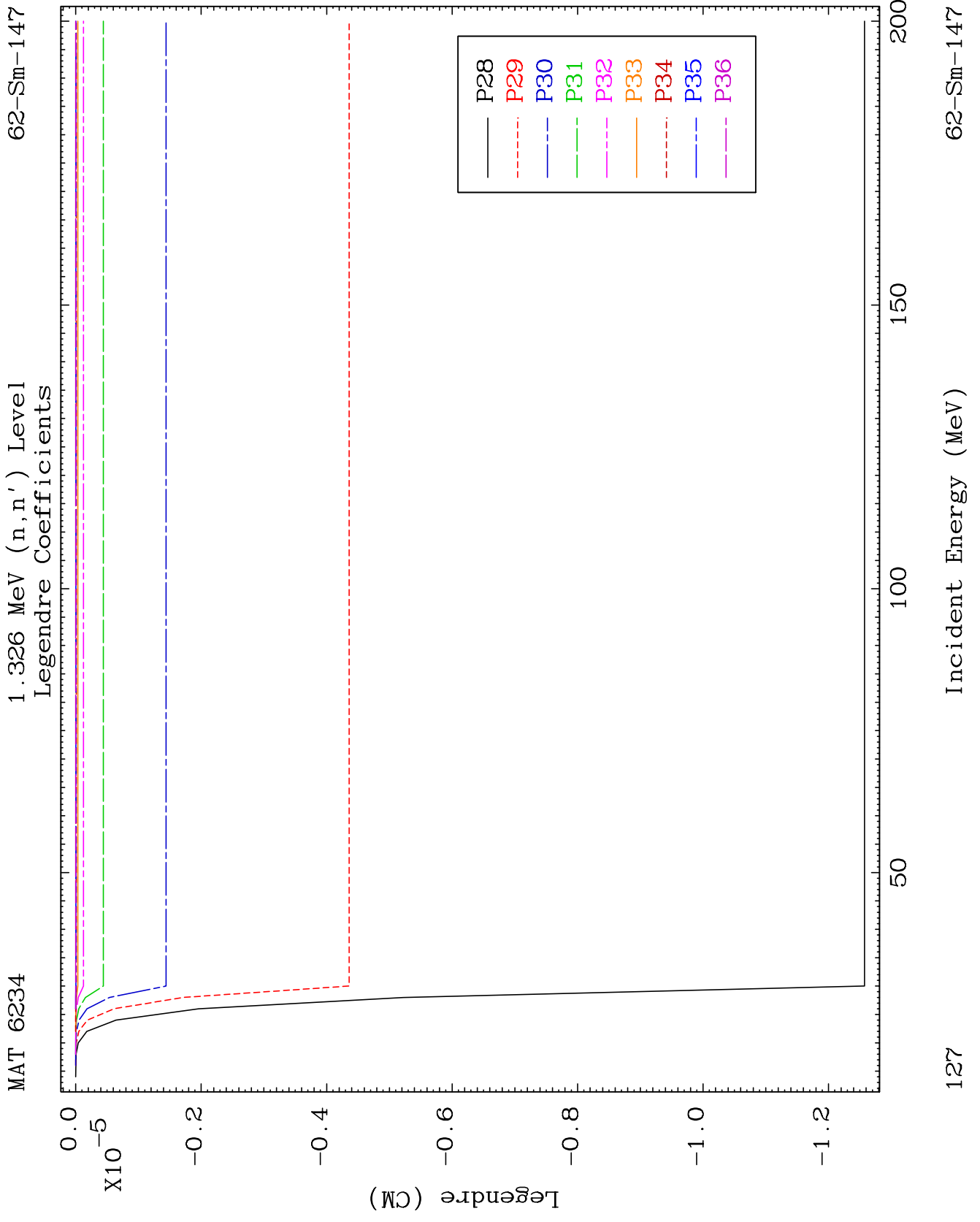
62-Sm-147

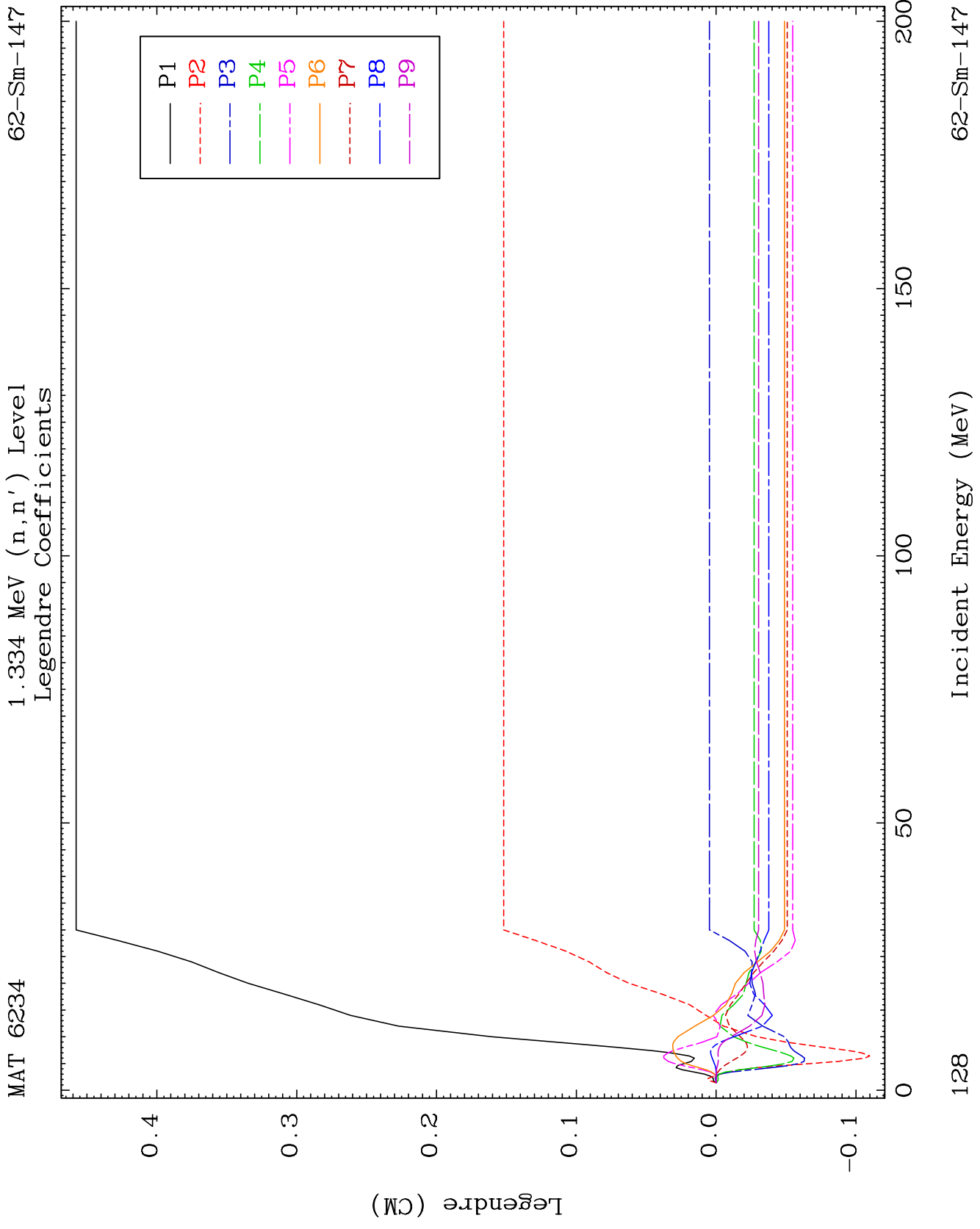


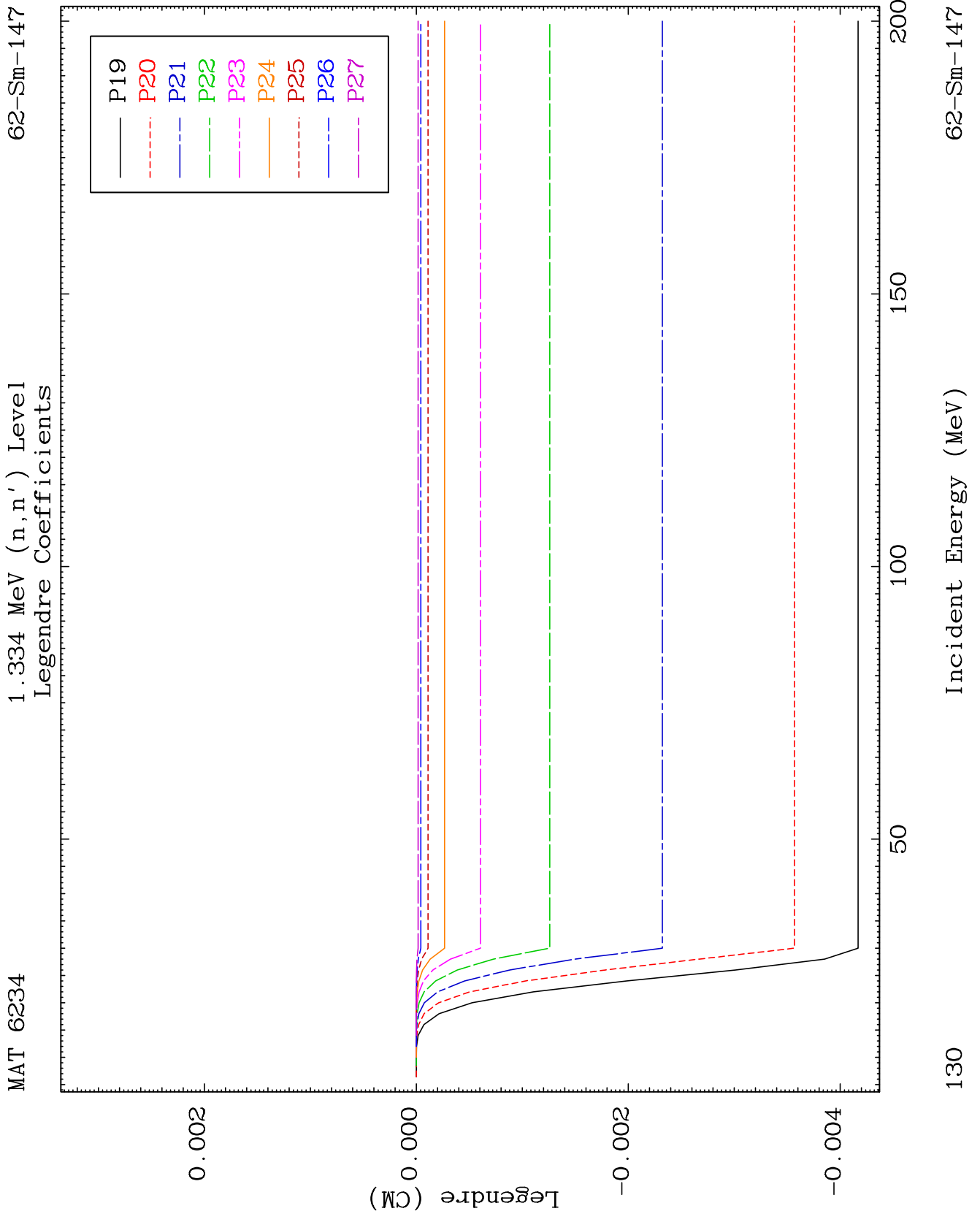
126

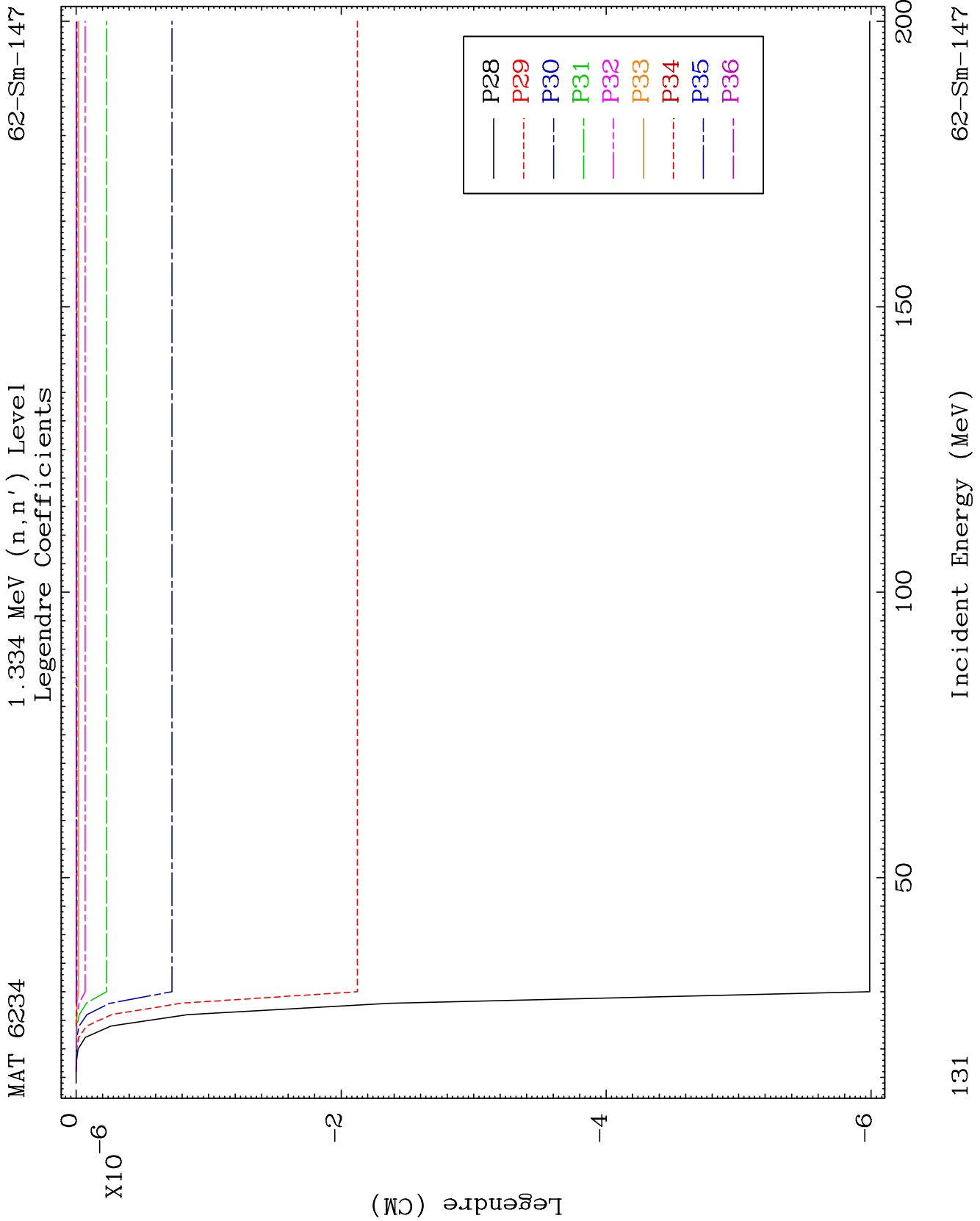
Incident Energy (MeV)

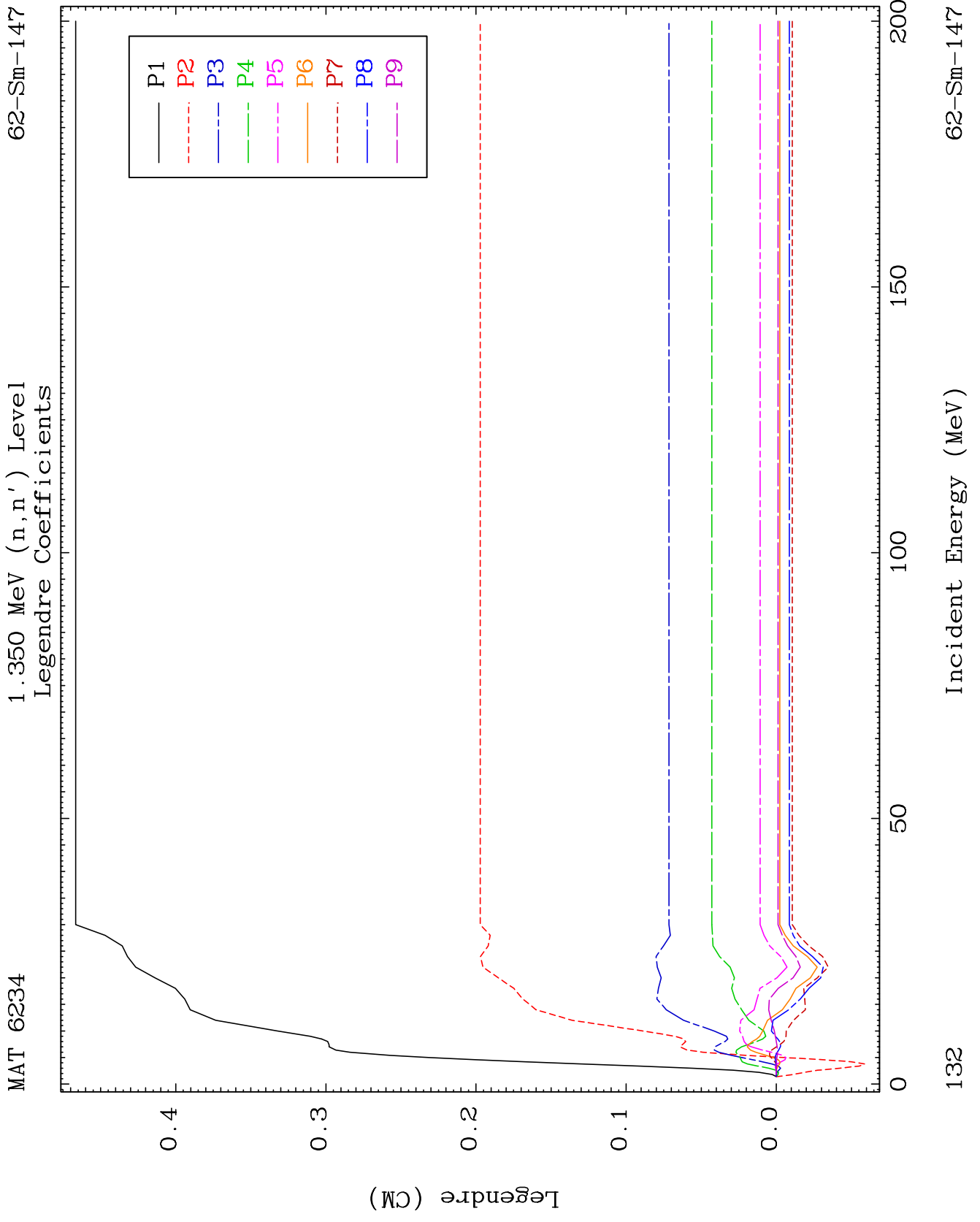
62-Sm-147







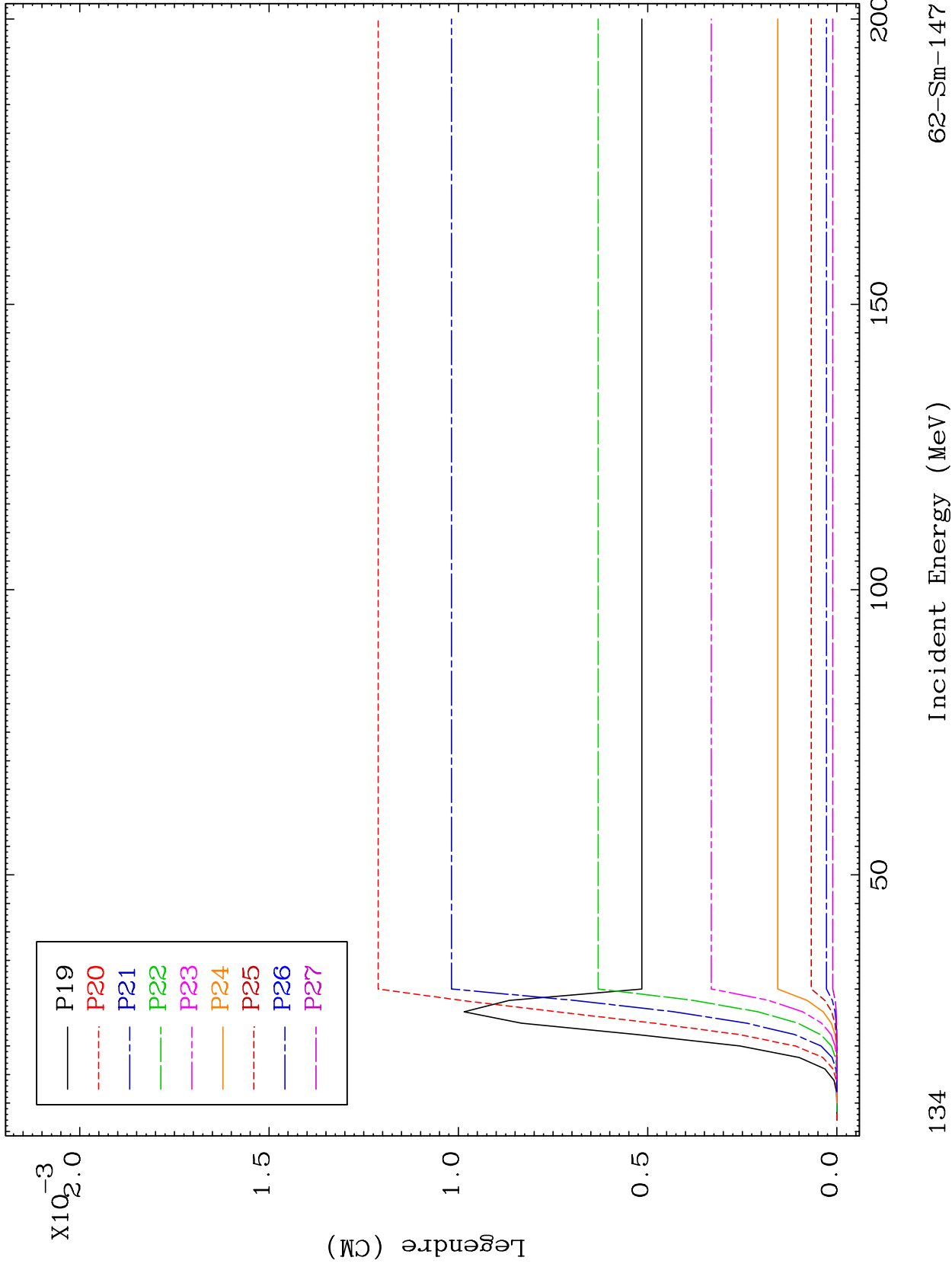




MAT 6234

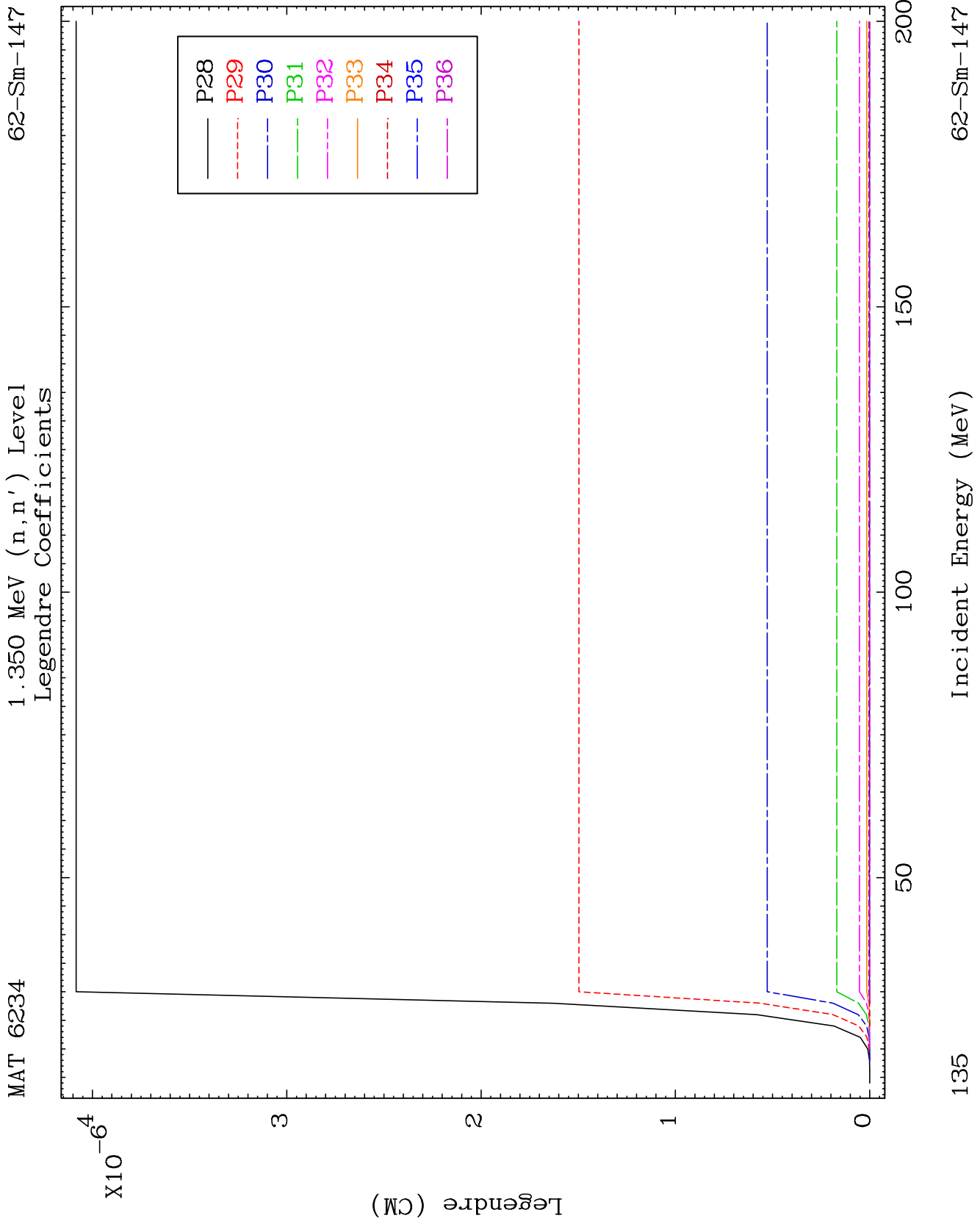
1.350 MeV (n,n') Level
Legendre Coefficients

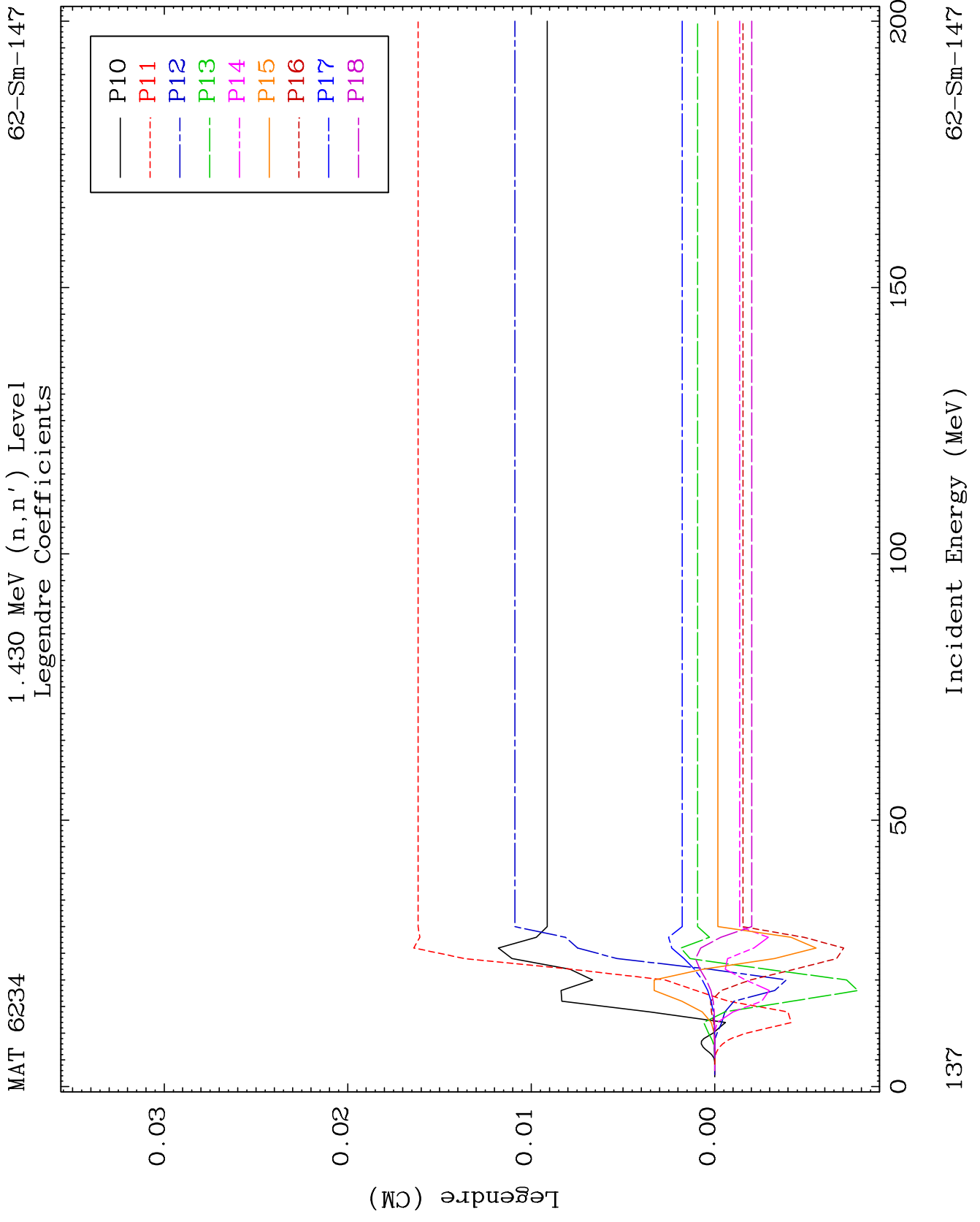
62-Sm-147



134

62-Sm-147

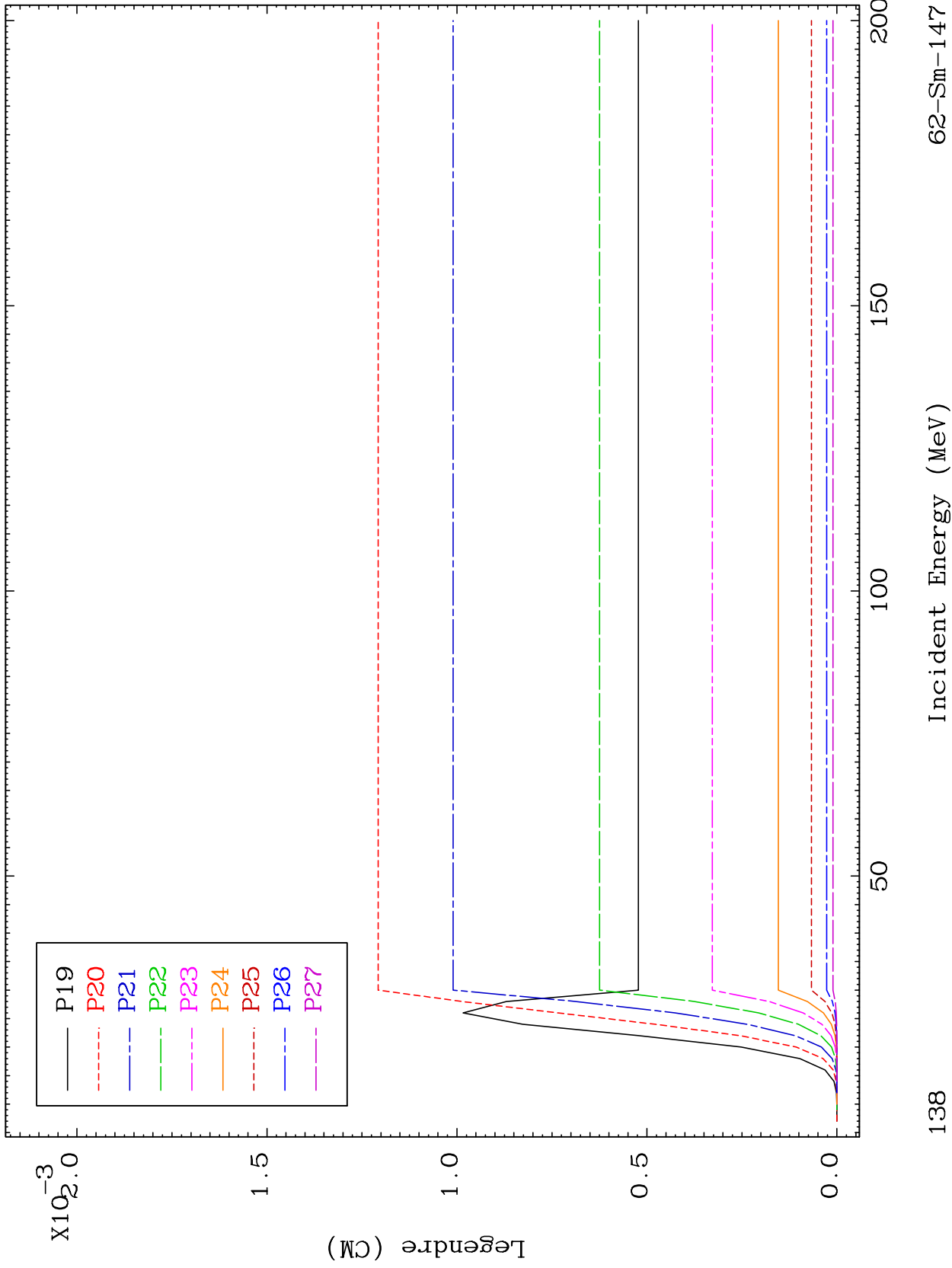




MAT 6234

1.430 MeV (n,n') Level
Legendre Coefficients

62-Sm-147

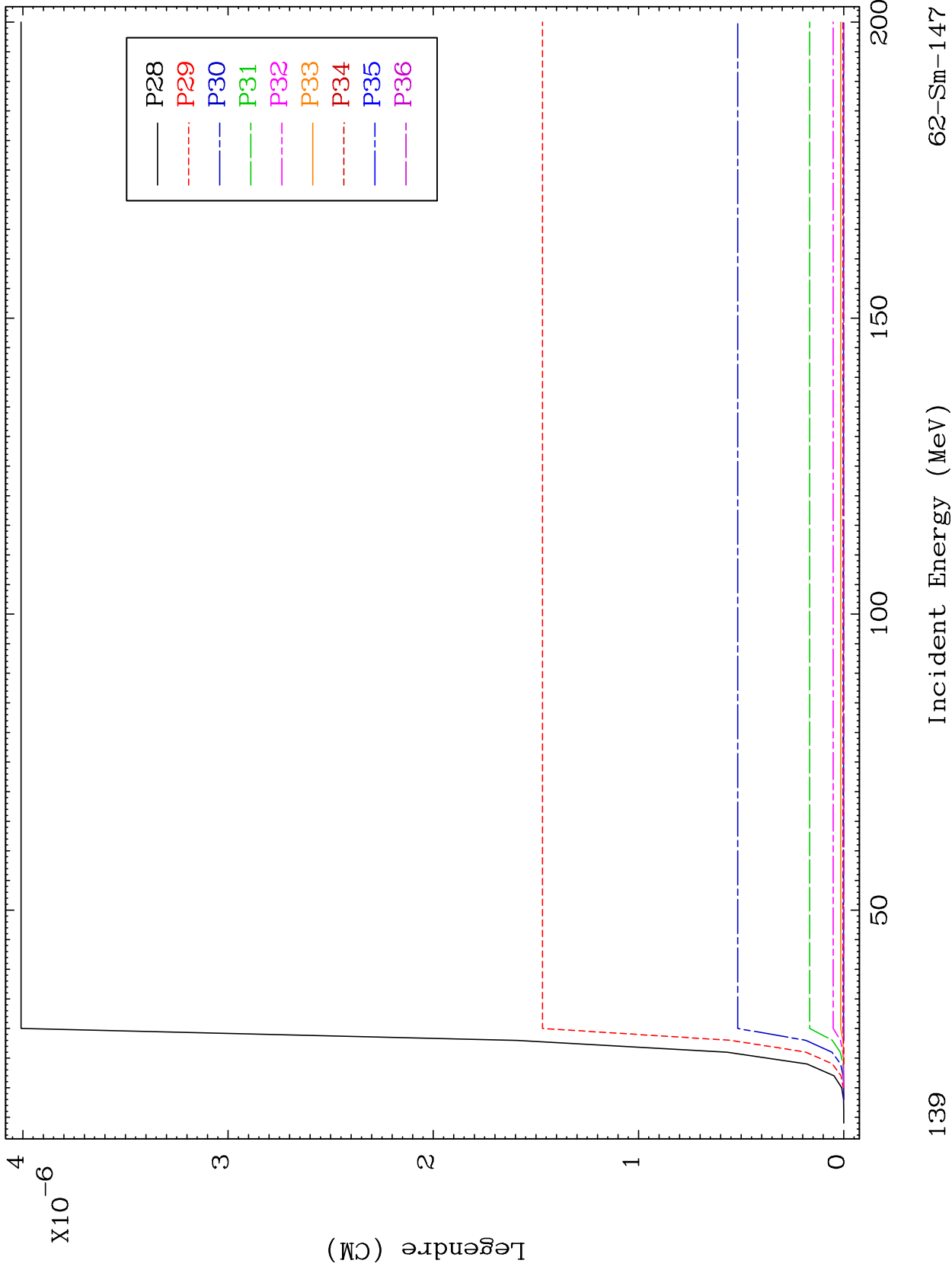


138

MAT 6234

1.430 MeV (n,n') Level
Legendre Coefficients

62-Sm-147



139

Incident Energy (MeV)

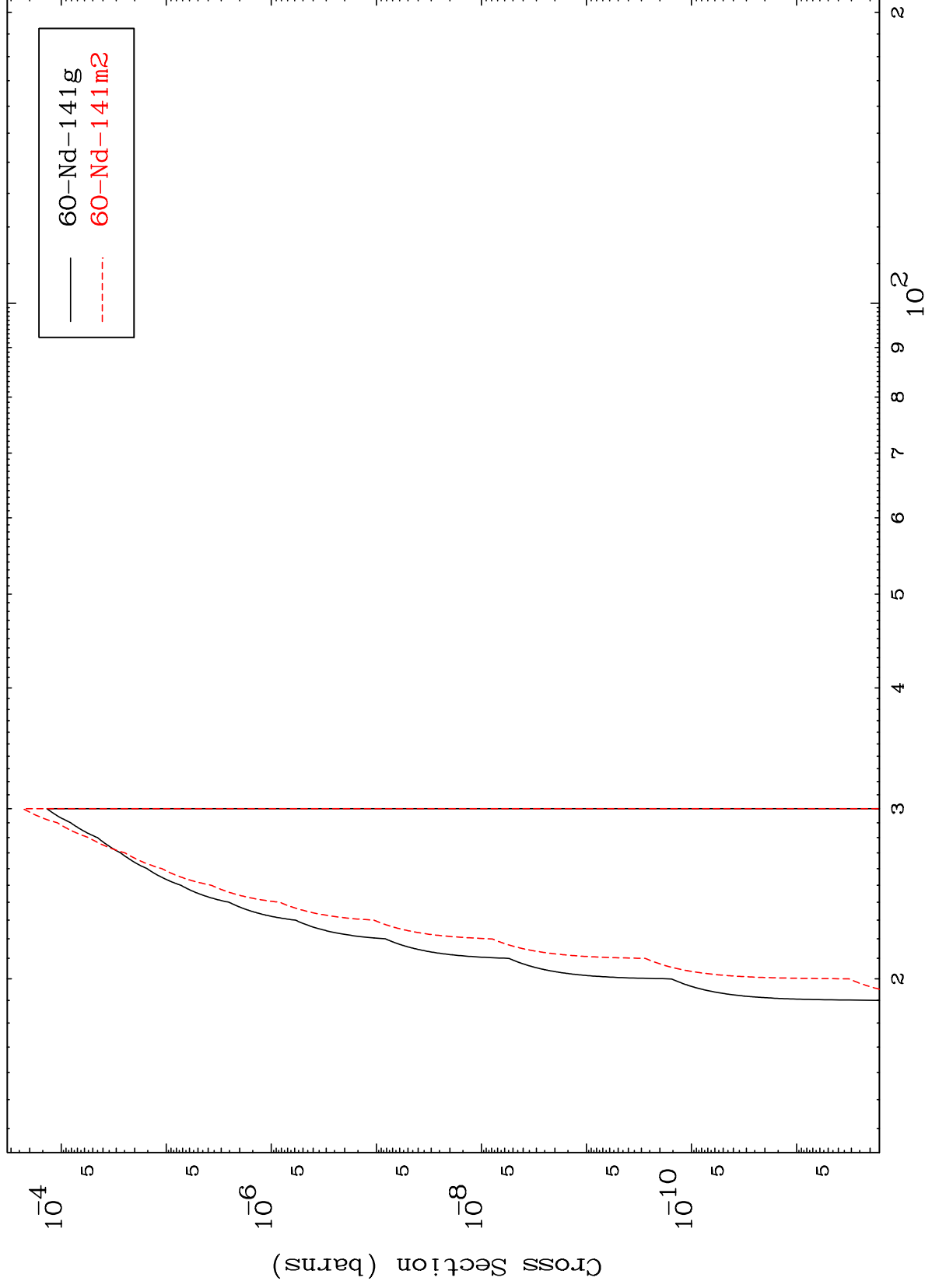
62-Sm-147

MAT 62334

(n,3n) α

62-Sm-147

Radionuclide Production Cross Section



140

Incident Energy (MeV)

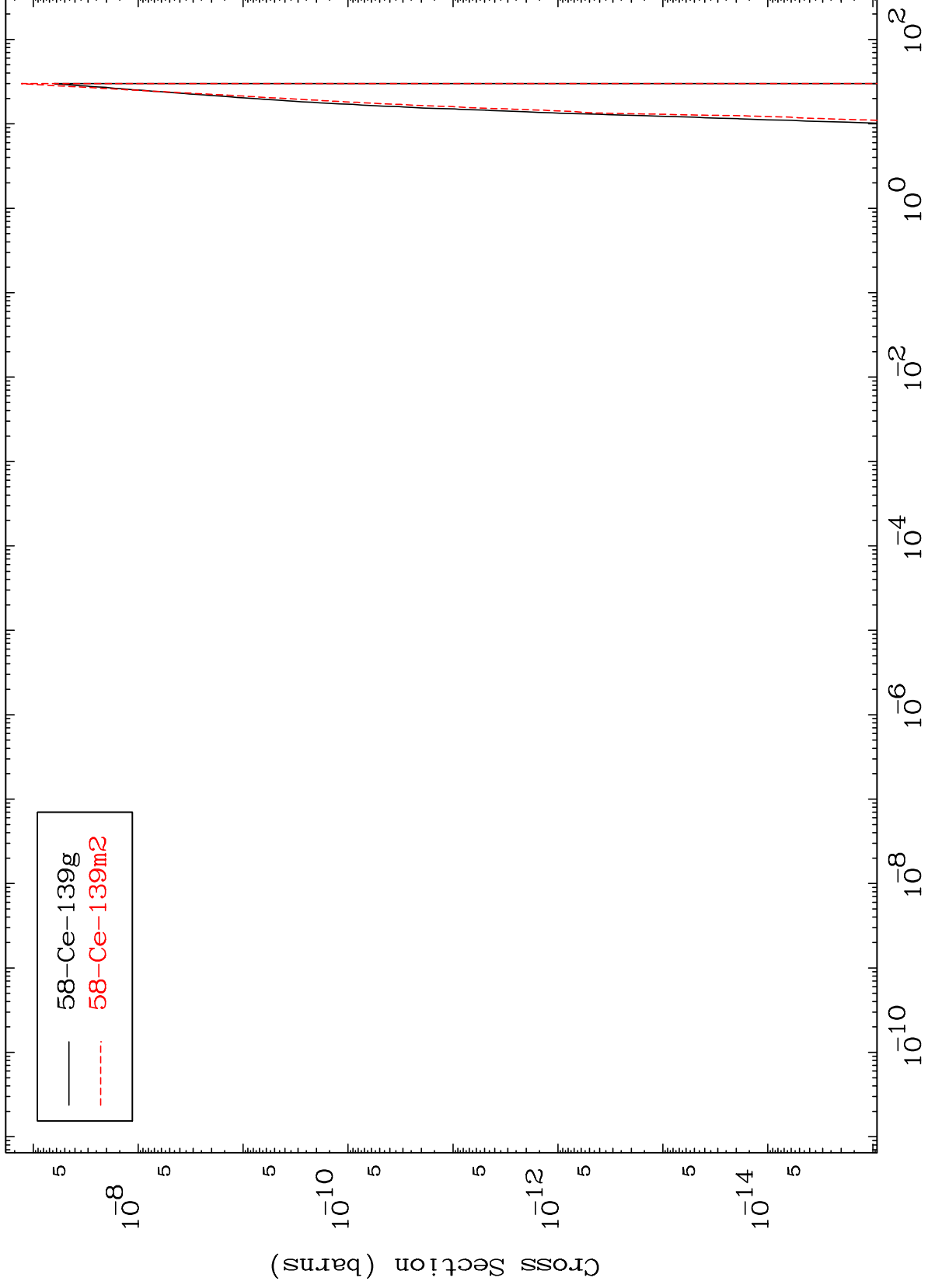
62-Sm-147

MAT 6234

(n,n') 2α

62-Sm-147

Radionuclide Production Cross Section



58-Ce-139g
58-Ce-139m2

141

Incident Energy (MeV)

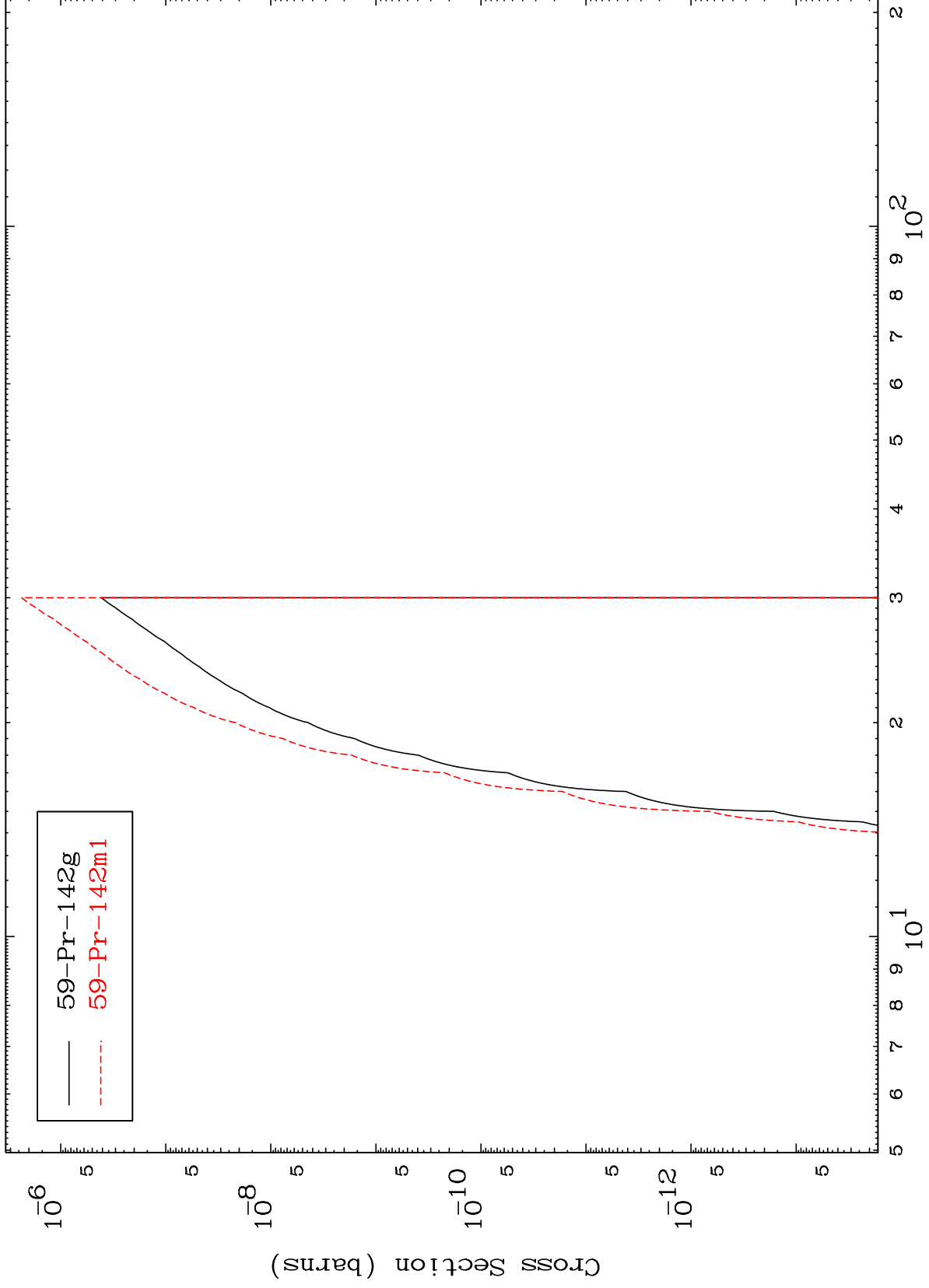
62-Sm-147

MAT 6234

(n,n') p α

62-Sm-147

Radionuclide Production Cross Section



59-Pr-142g
59-Pr-142m1

142

Incident Energy (MeV)

62-Sm-147

MAT 6234

(n,d) α

62-Sm-147

Radionuclide Production Cross Section

