

Program EVALPLOT  
(Version 2015-2)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

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

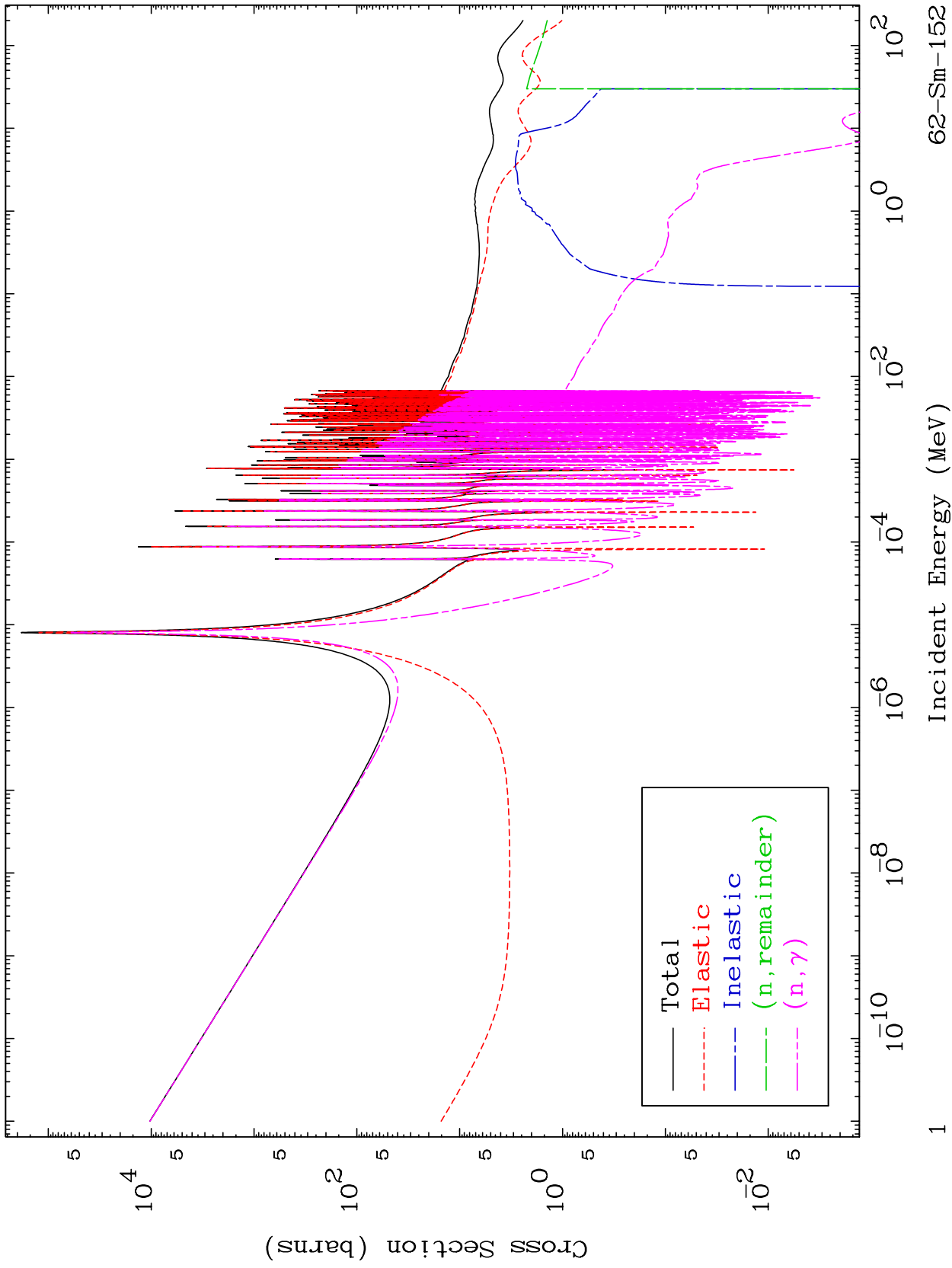
Press Mouse Button to Start

MAT 6249

Major

293 Kelvin Cross Sections

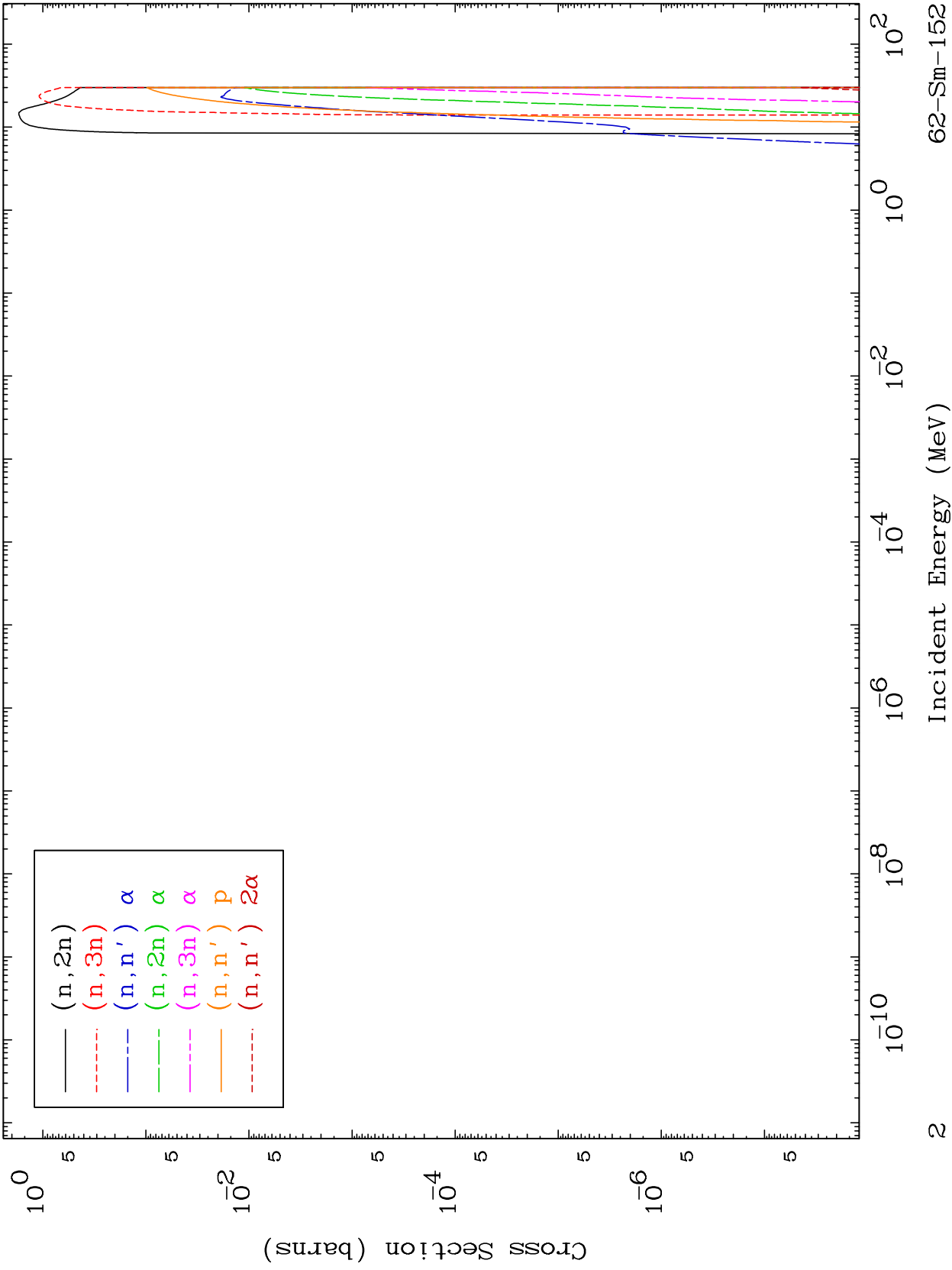
62-Sm-152

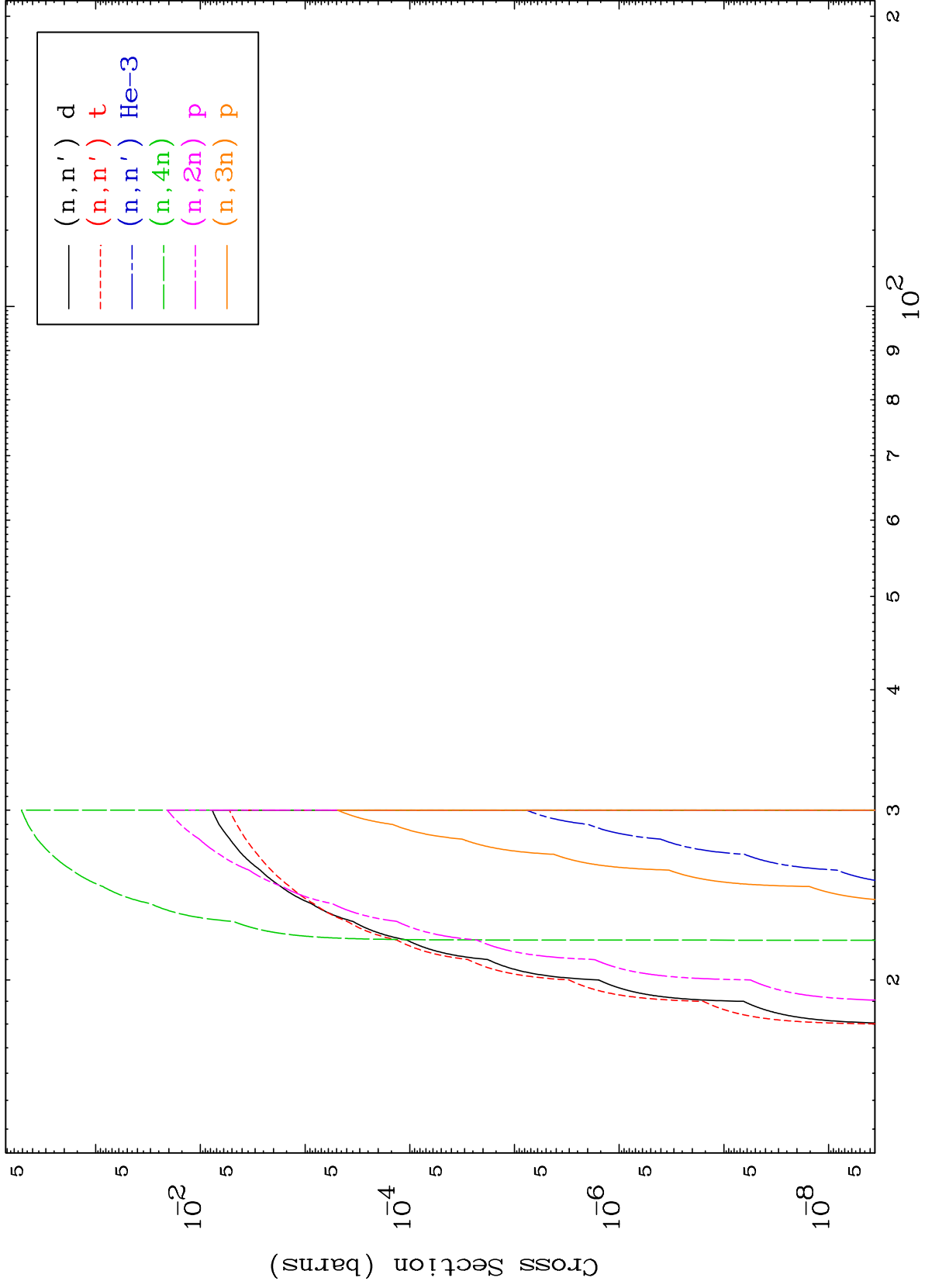


MAT 6249

Neutron Production  
293 Kelvin Cross Sections

62-Sm-152

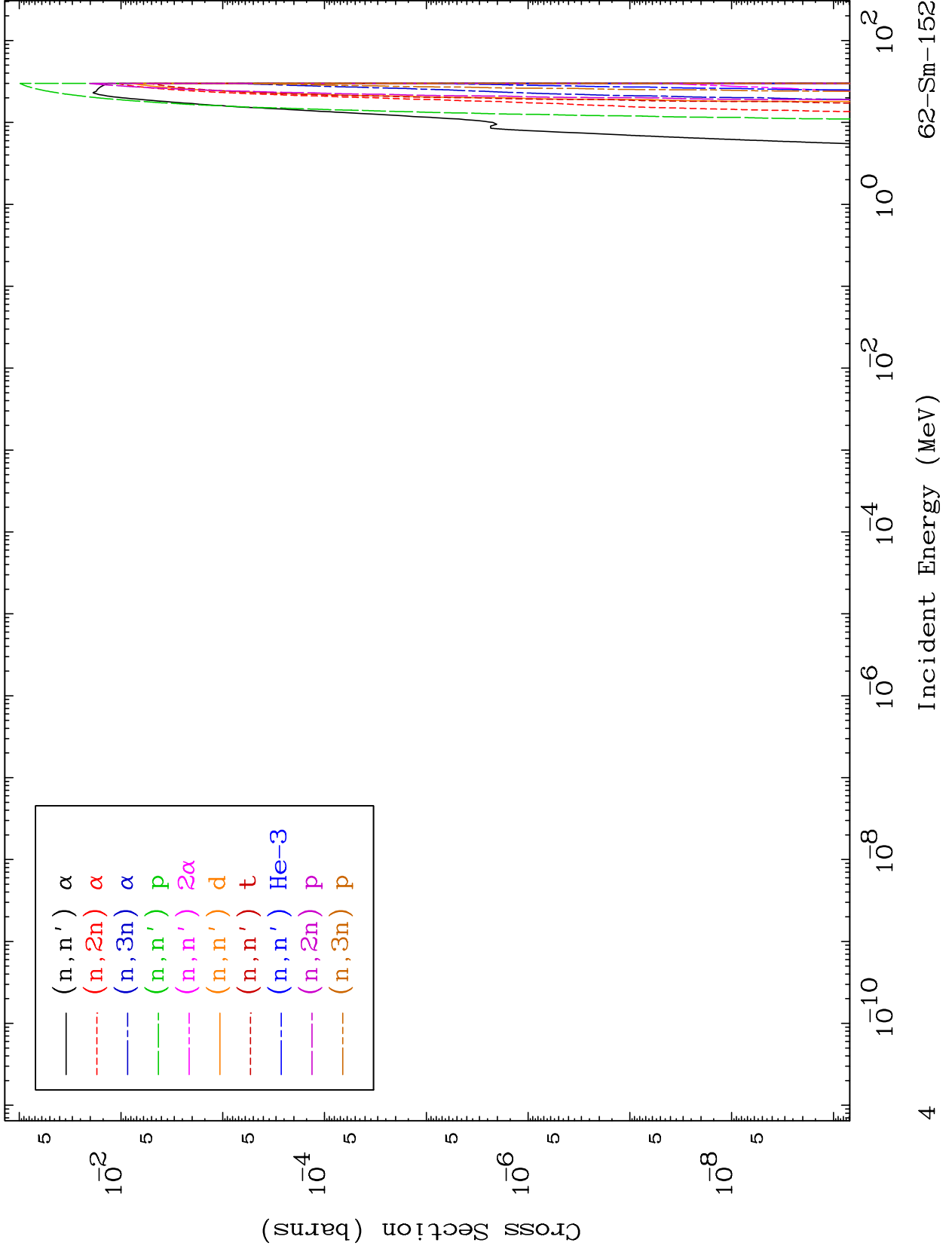




MAT 6249

Charged Particle  
293 Kelvin Cross Sections

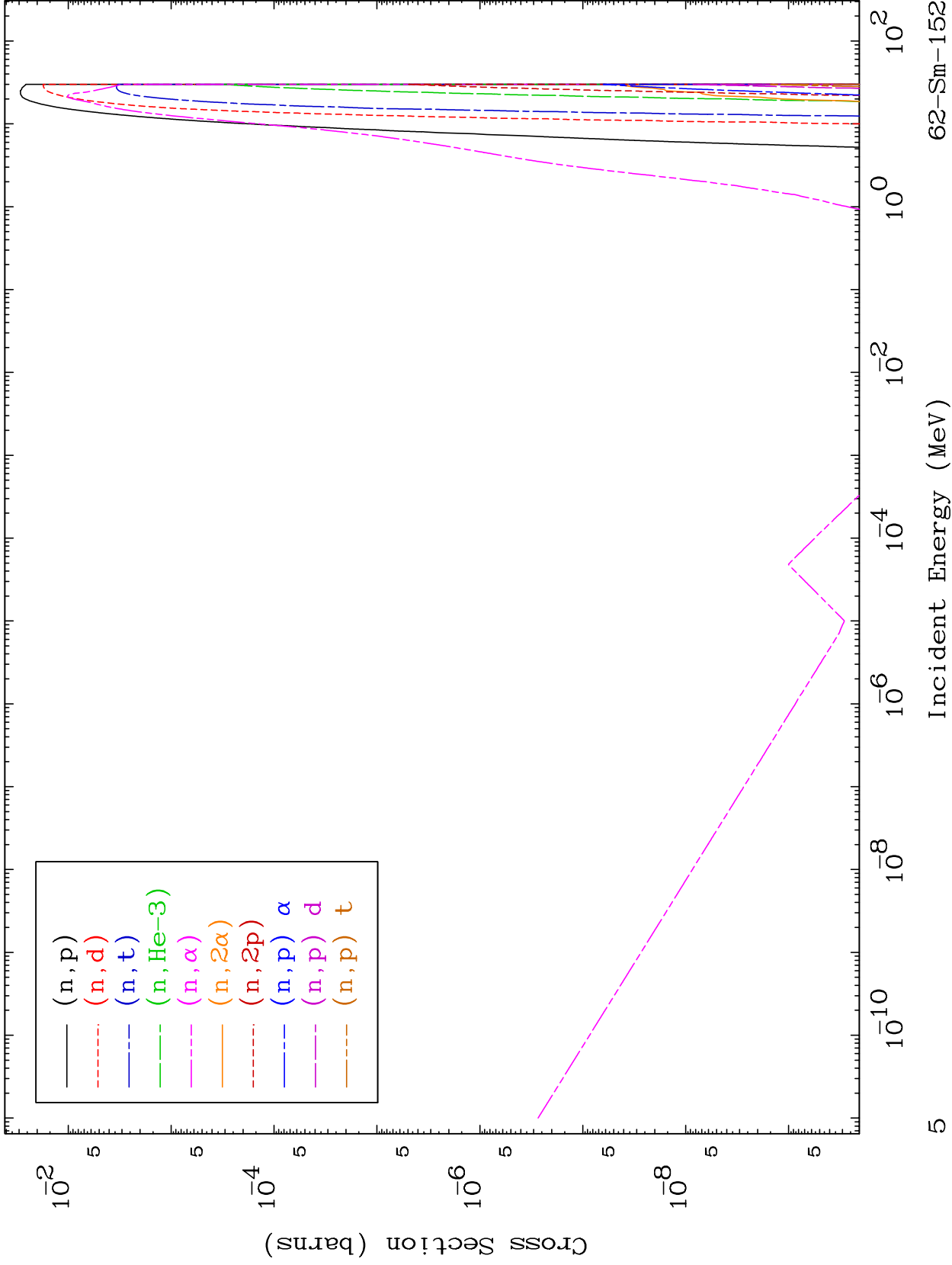
62-Sm-152



MAT 6249

Charged Particle  
293 Kelvin Cross Sections

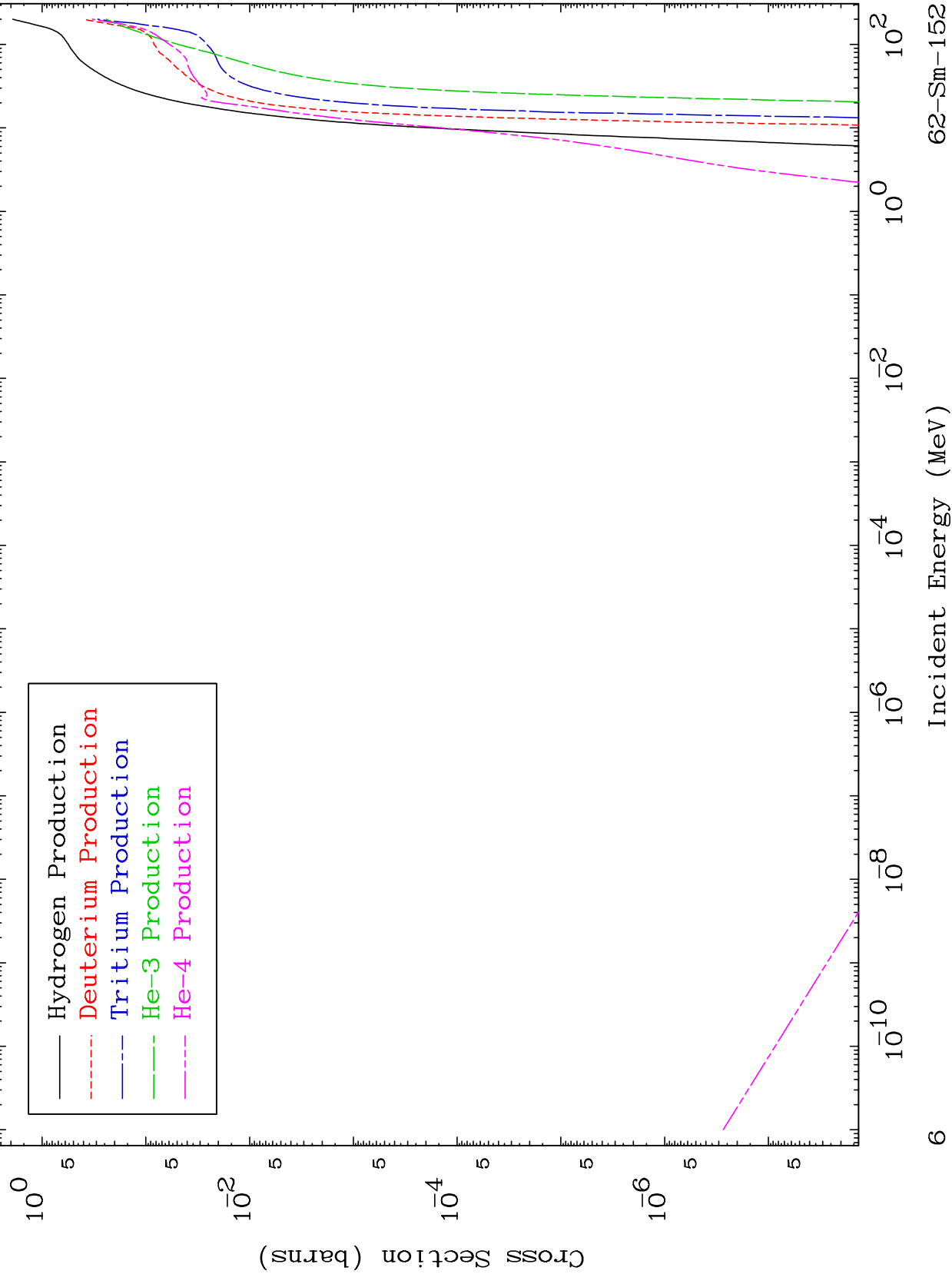
62-Sm-152



MAT 6249

Particle Production  
293 Kelvin Cross Sections

62-Sm-152

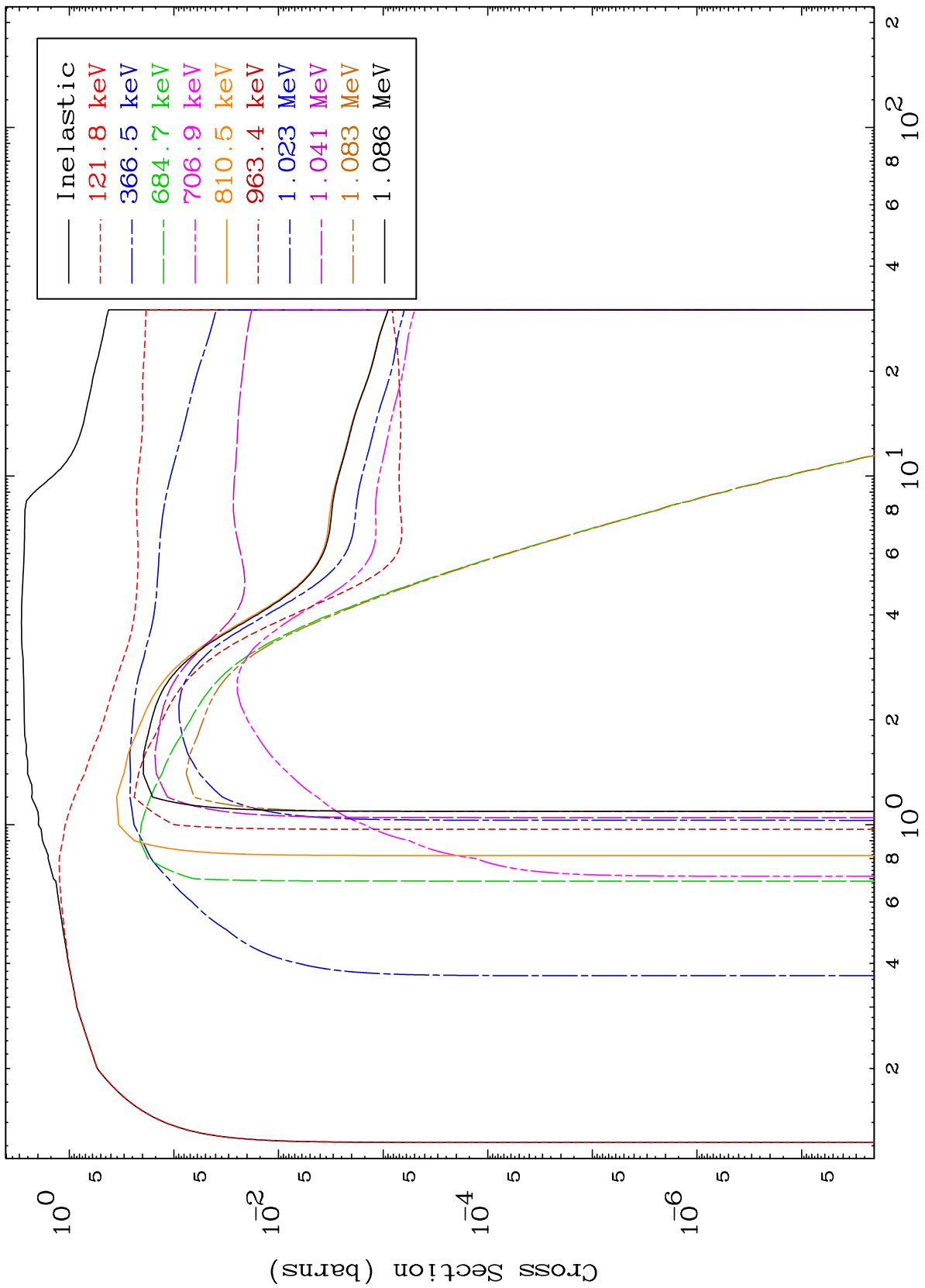


MAT 6249

(n,n') Level

62-Sm-152

293 Kelvin Cross Sections

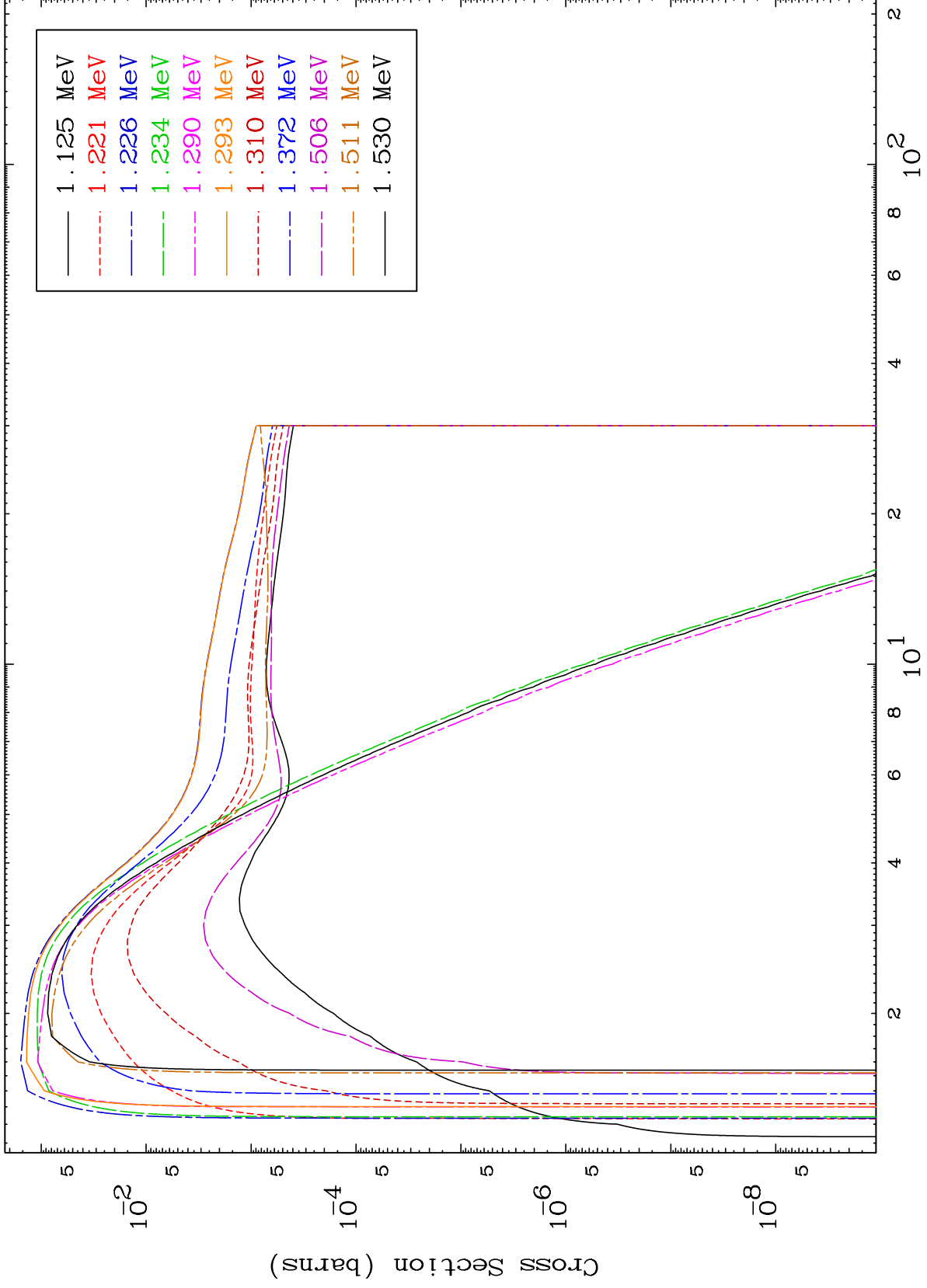




MAT 6249

(n,n') Level  
293 Kelvin Cross Sections

62-Sm-152



8

Incident Energy (MeV)

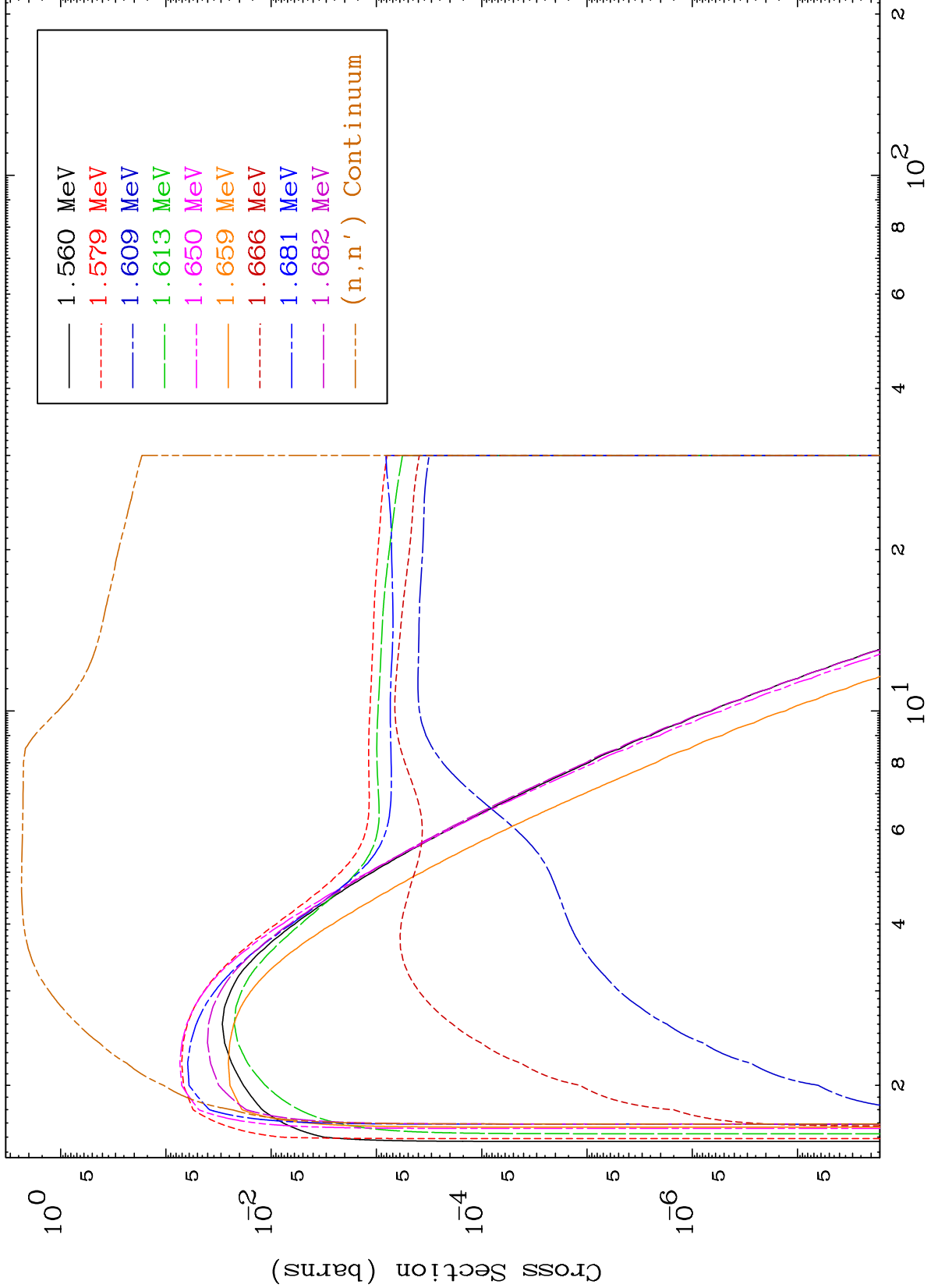
62-Sm-152

MAT 6249

(n,n') Level

62-Sm-152

293 Kelvin Cross Sections



9

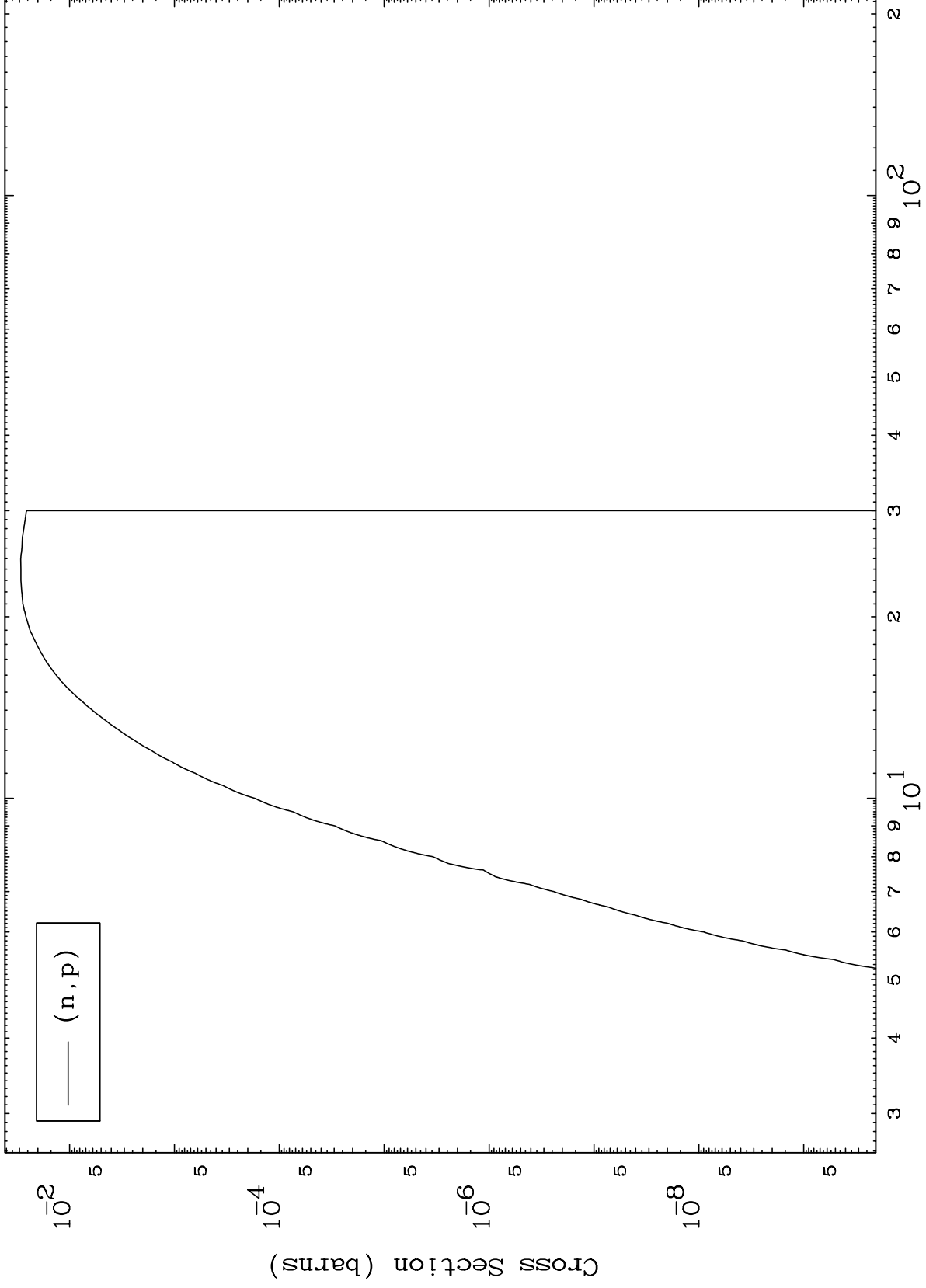
Incident Energy (MeV)

62-Sm-152

MAT 6249

(n,p) Levels  
293 Kelvin Cross Sections

62-Sm-152



10

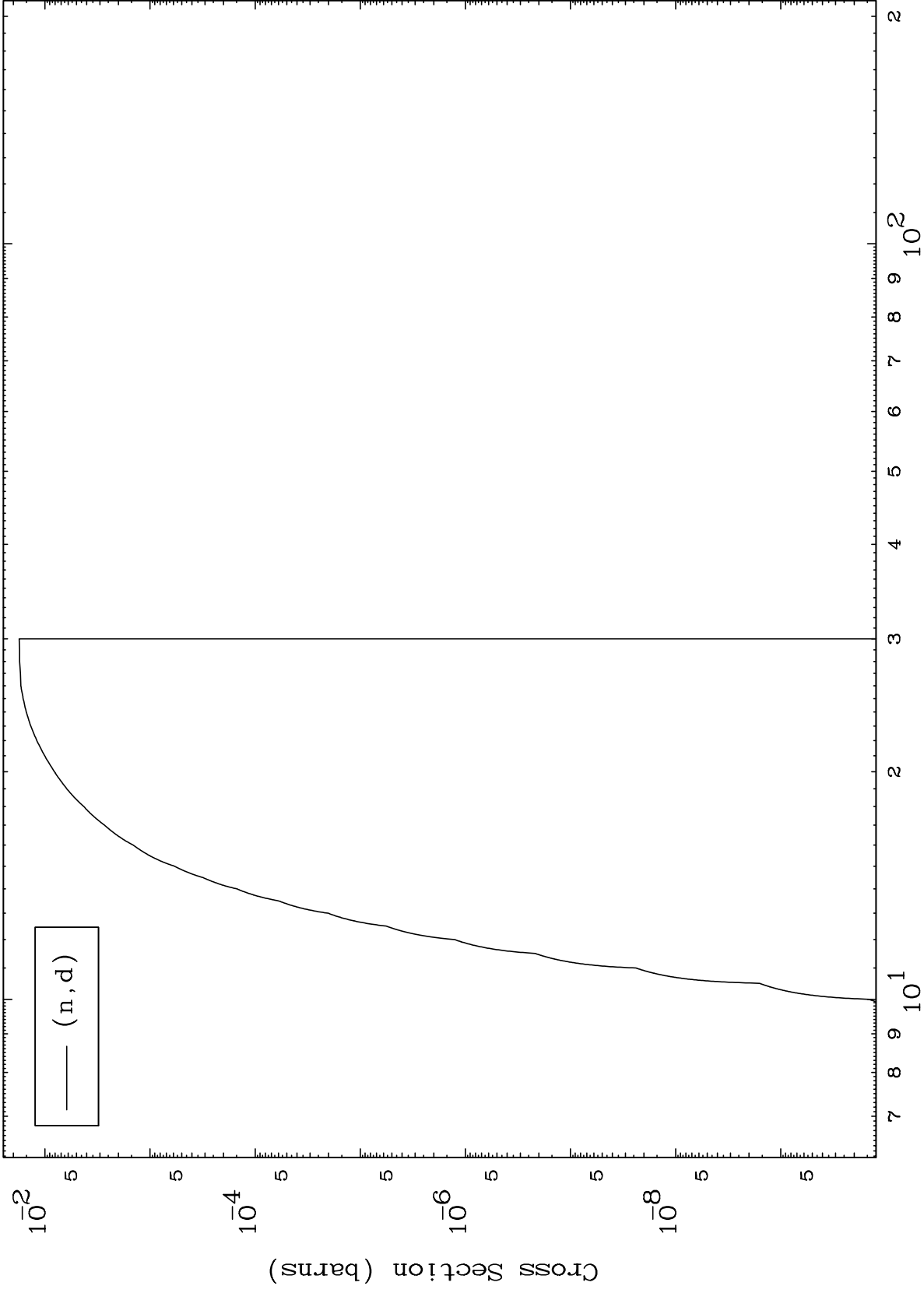
Incident Energy (MeV)

62-Sm-152

MAT 6249

(n,d) Levels  
293 Kelvin Cross Sections

62-Sm-152



11

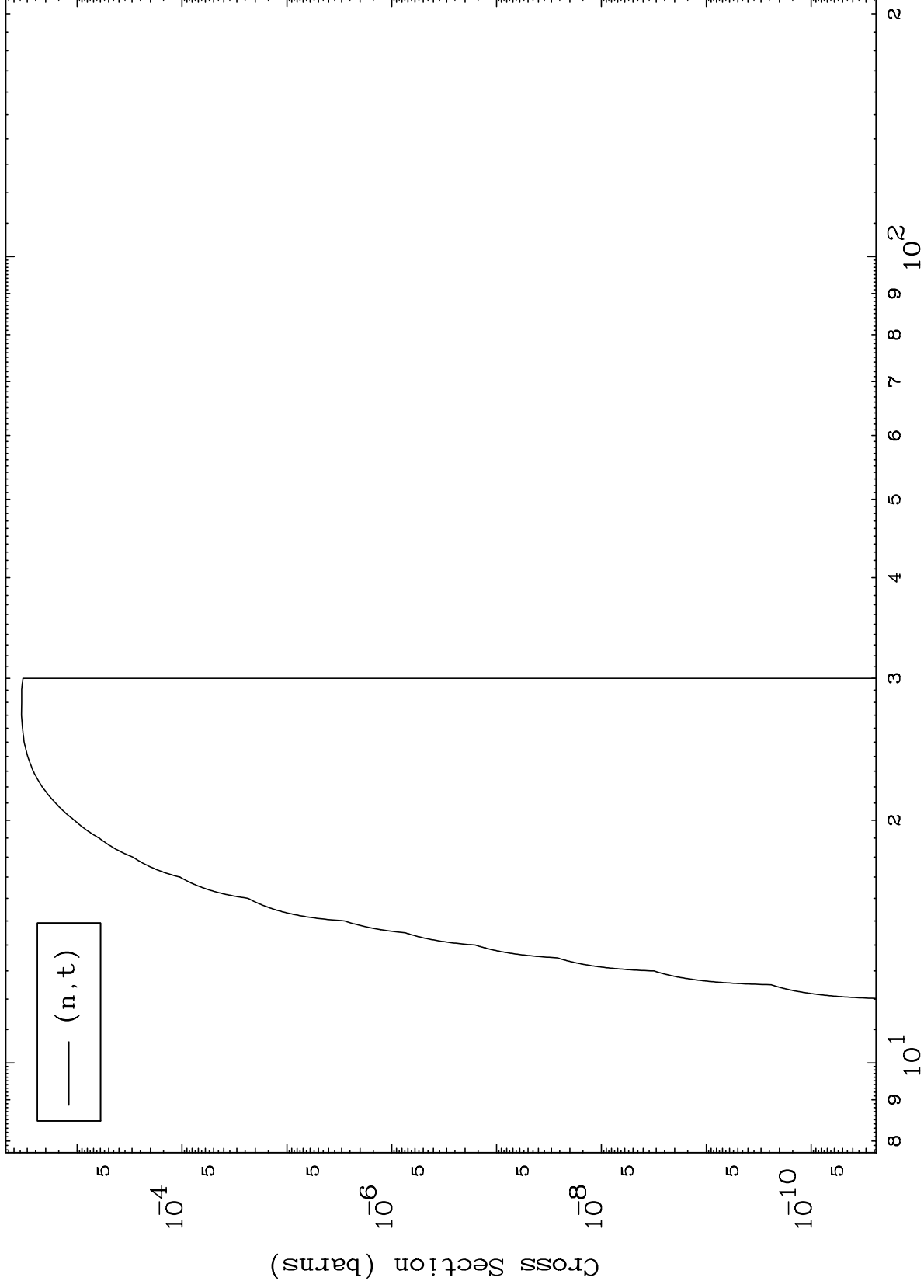
Incident Energy (MeV)

62-Sm-152

MAT 6249

(n,t) Levels  
293 Kelvin Cross Sections

62-Sm-152



12

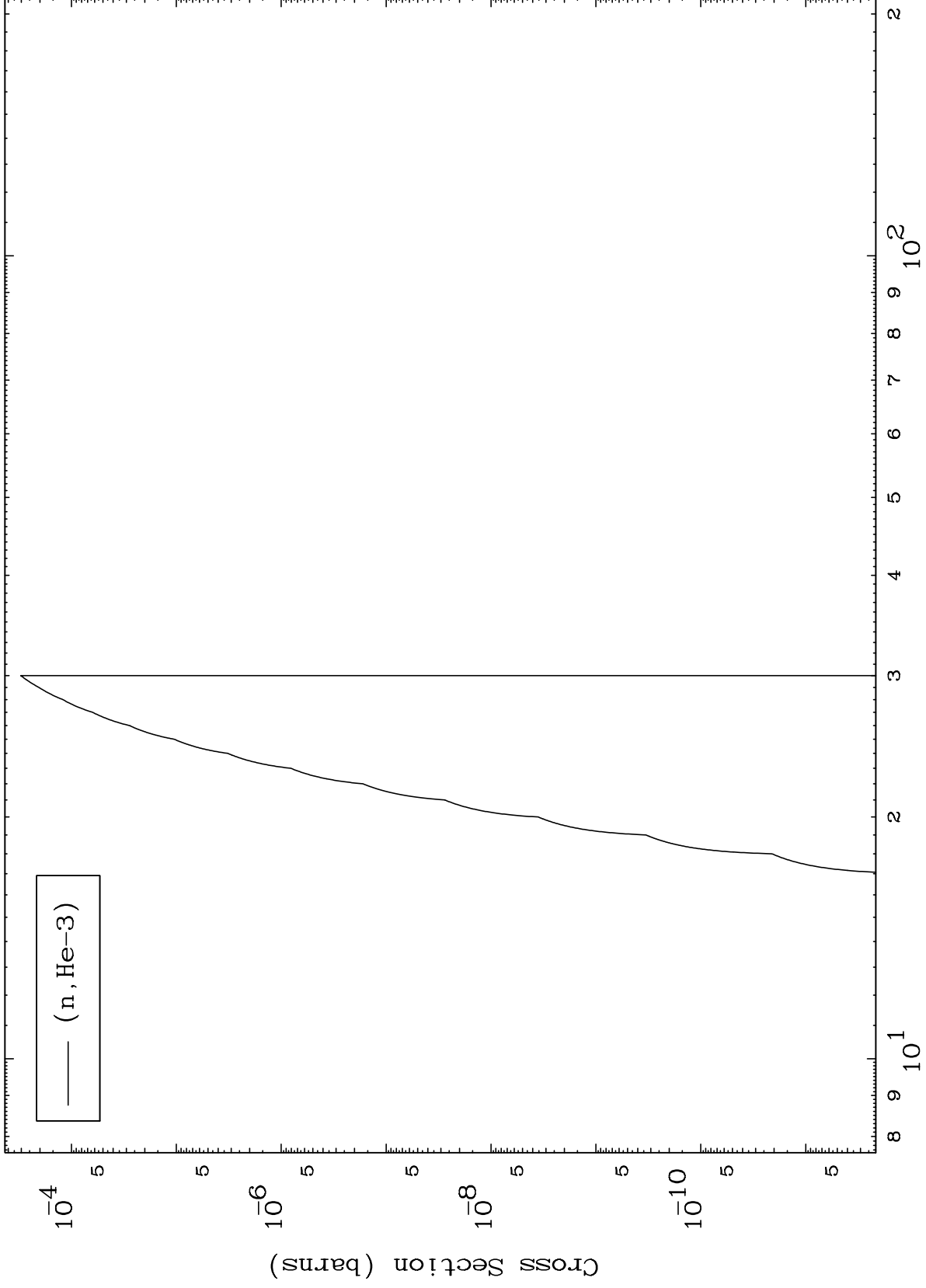
Incident Energy (MeV)

62-Sm-152

MAT 6249

(n,He3) Levels  
293 Kelvin Cross Sections

62-Sm-152



13

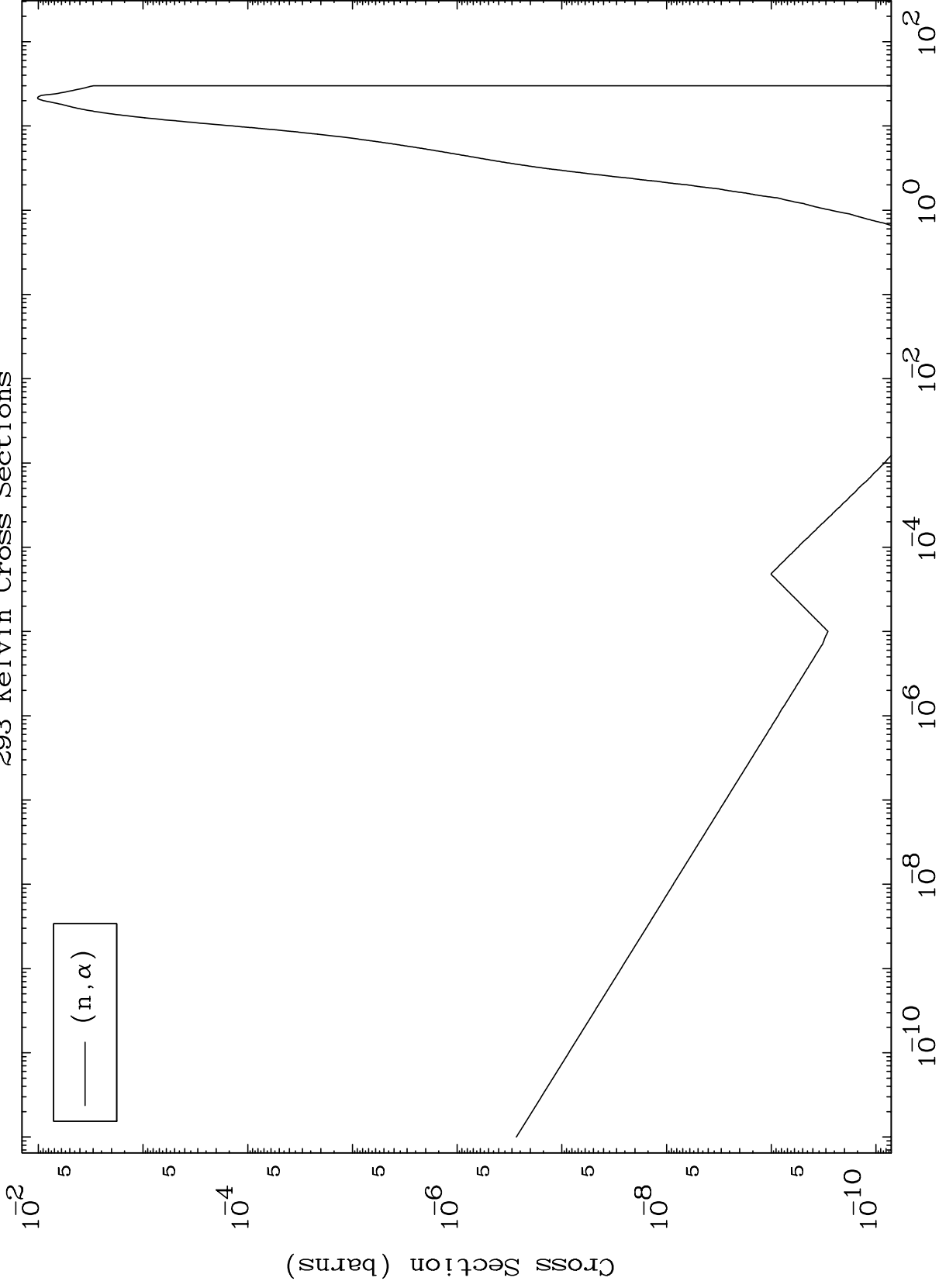
Incident Energy (MeV)

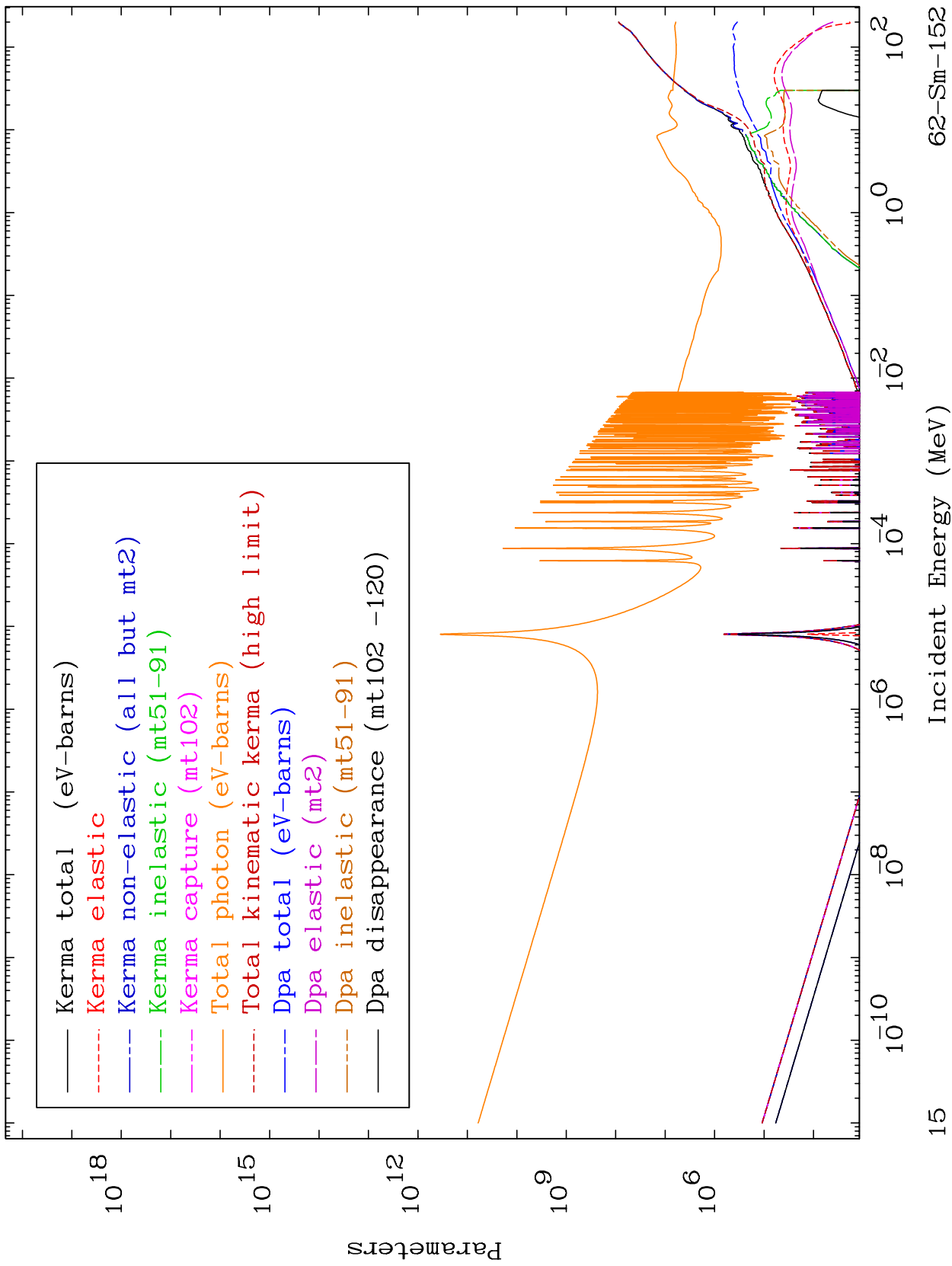
62-Sm-152

MAT 6249

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

62-Sm-152



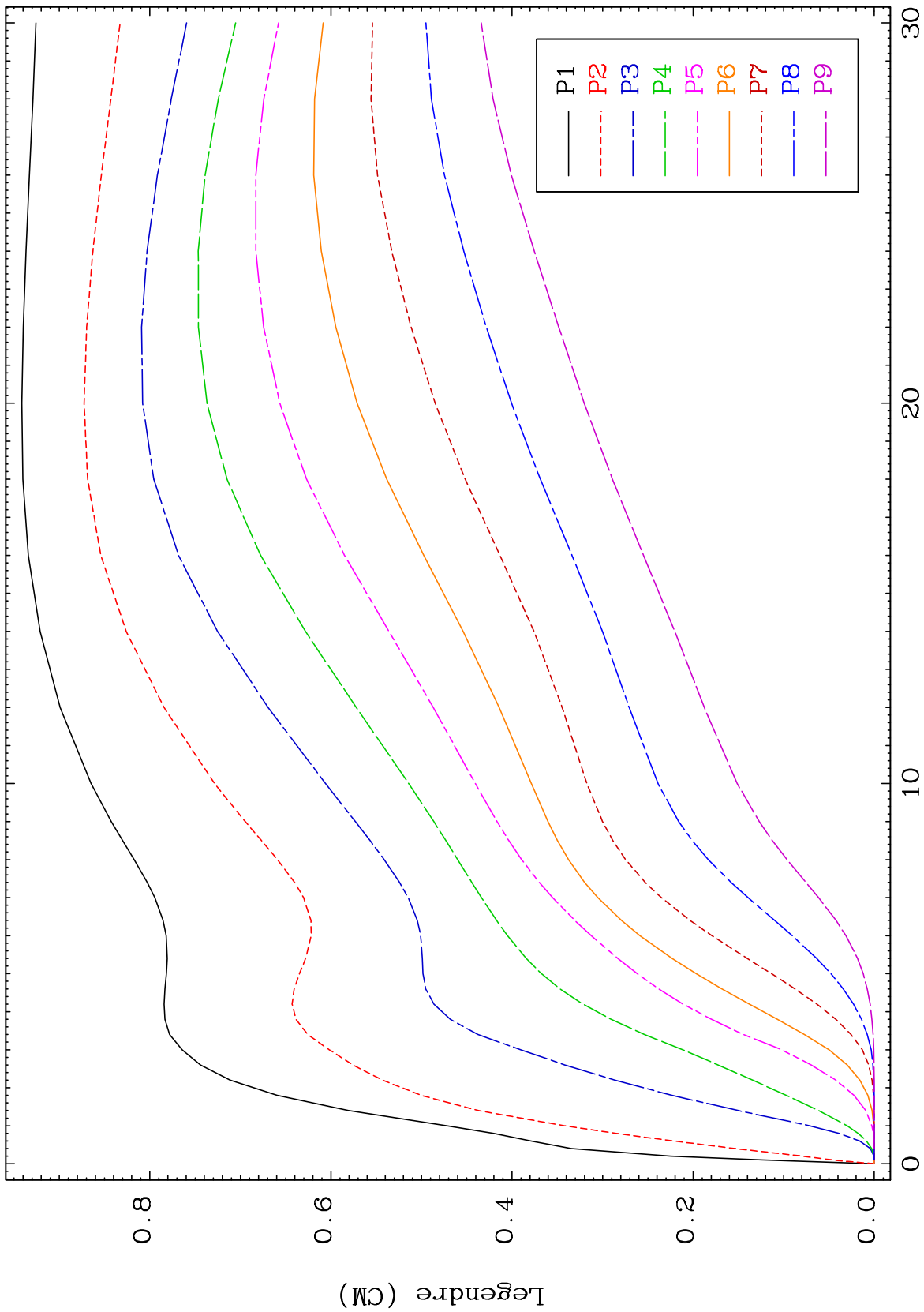




MAT 6249

62-Sm-152

Elastic Legendre Coefficients



62-Sm-152

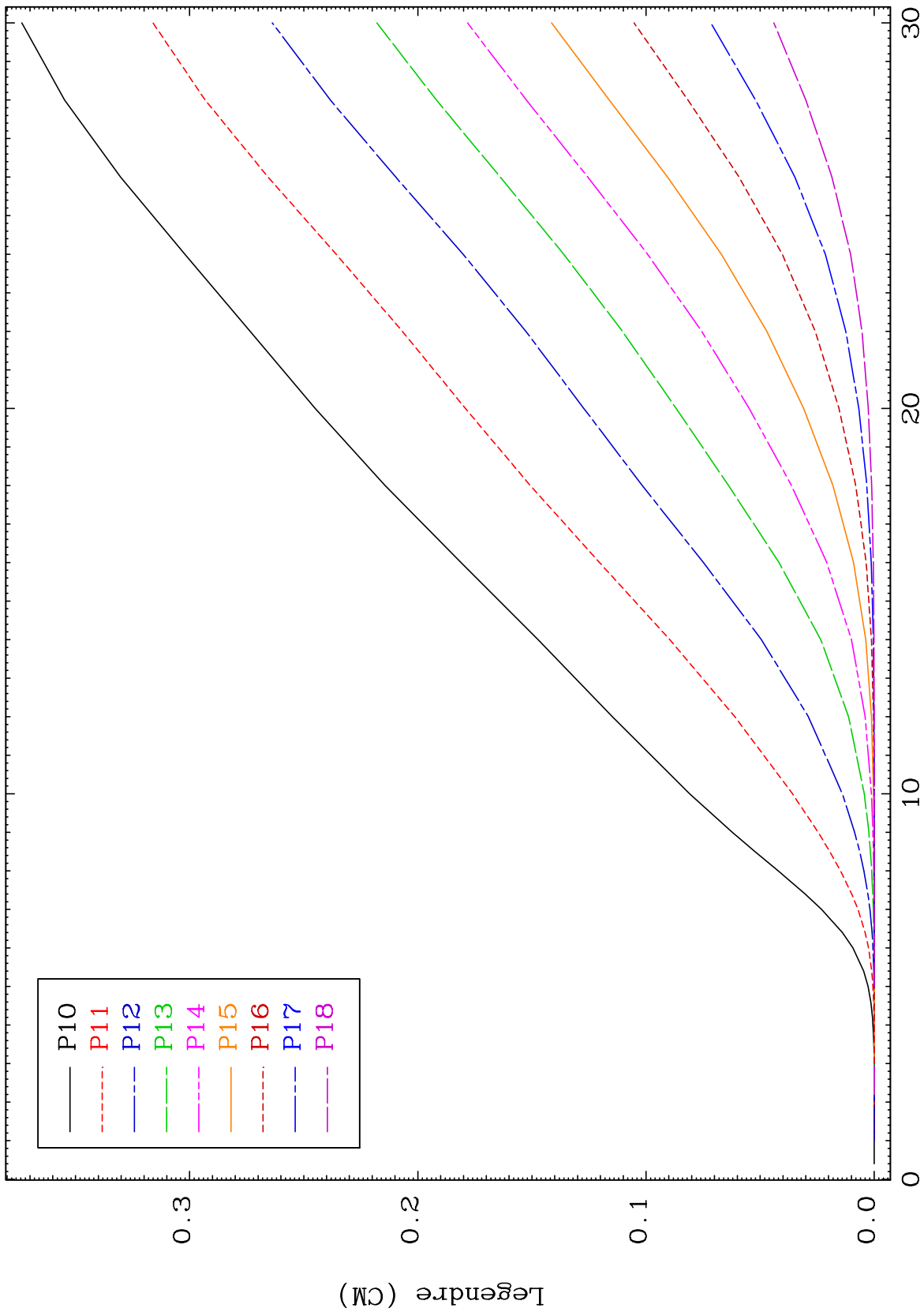
Incident Energy (MeV)

16

MAT 6249

Elastic Legendre Coefficients

62-Sm-152



17

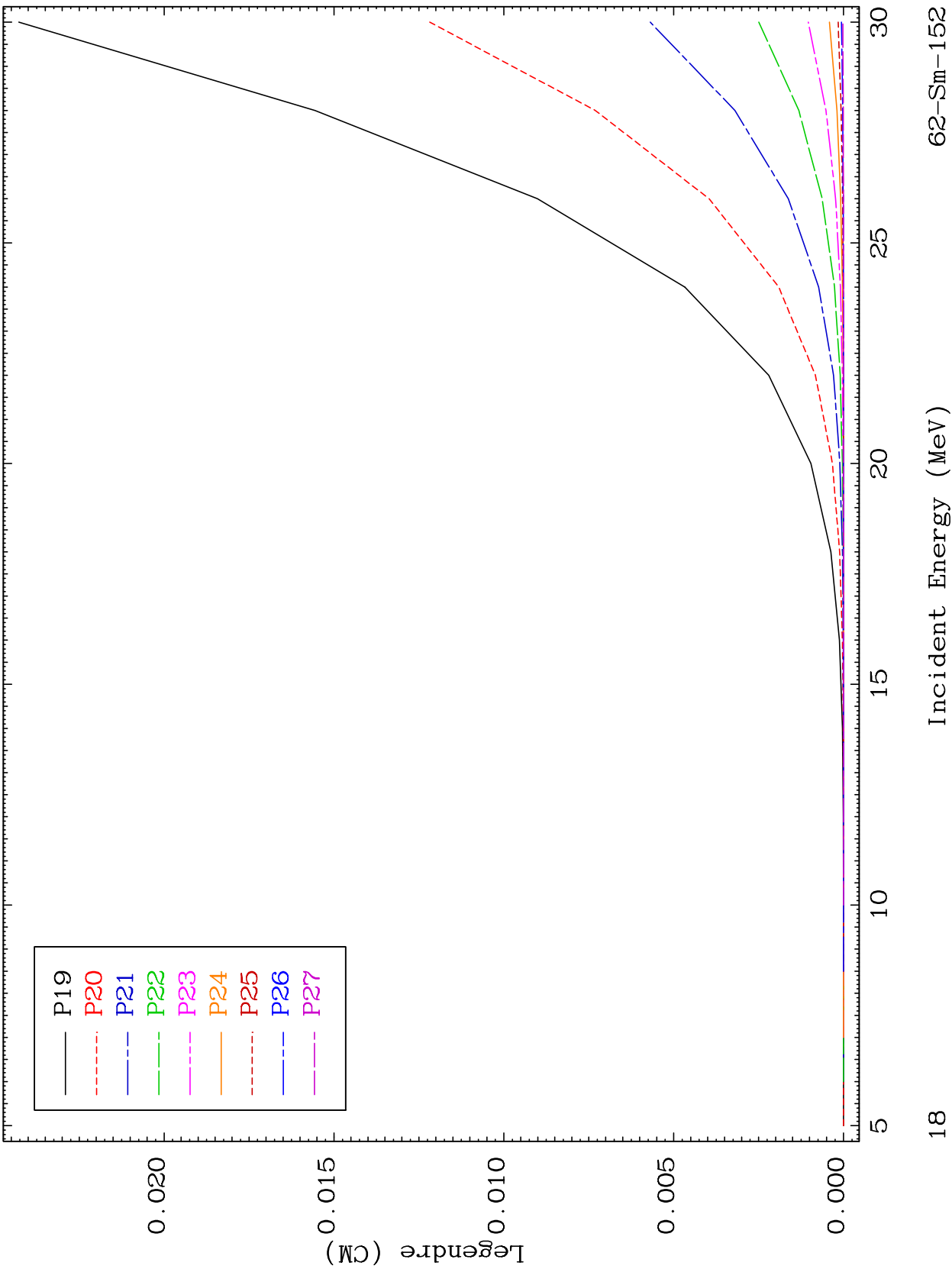
Incident Energy (MeV)

62-Sm-152

MAT 6249

Elastic Legendre Coefficients

62-Sm-152



18

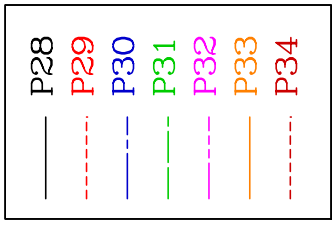
Incident Energy (MeV)

62-Sm-152

MAT 6249

Elastic Legendre Coefficients

62-Sm-152



$\times 10^{-6}$

Legendre (CM)

10

15

20

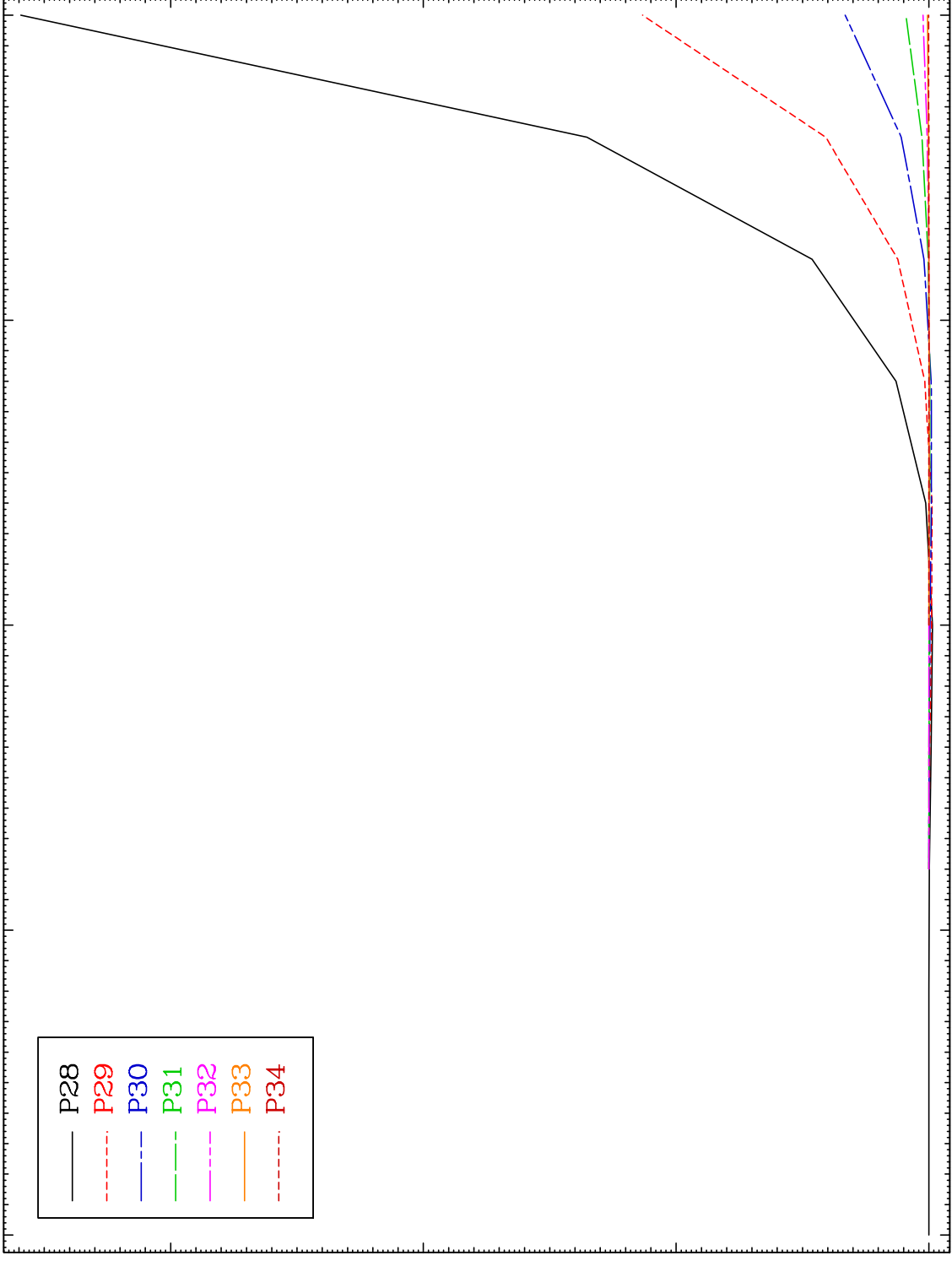
25

30

19

Incident Energy (MeV)

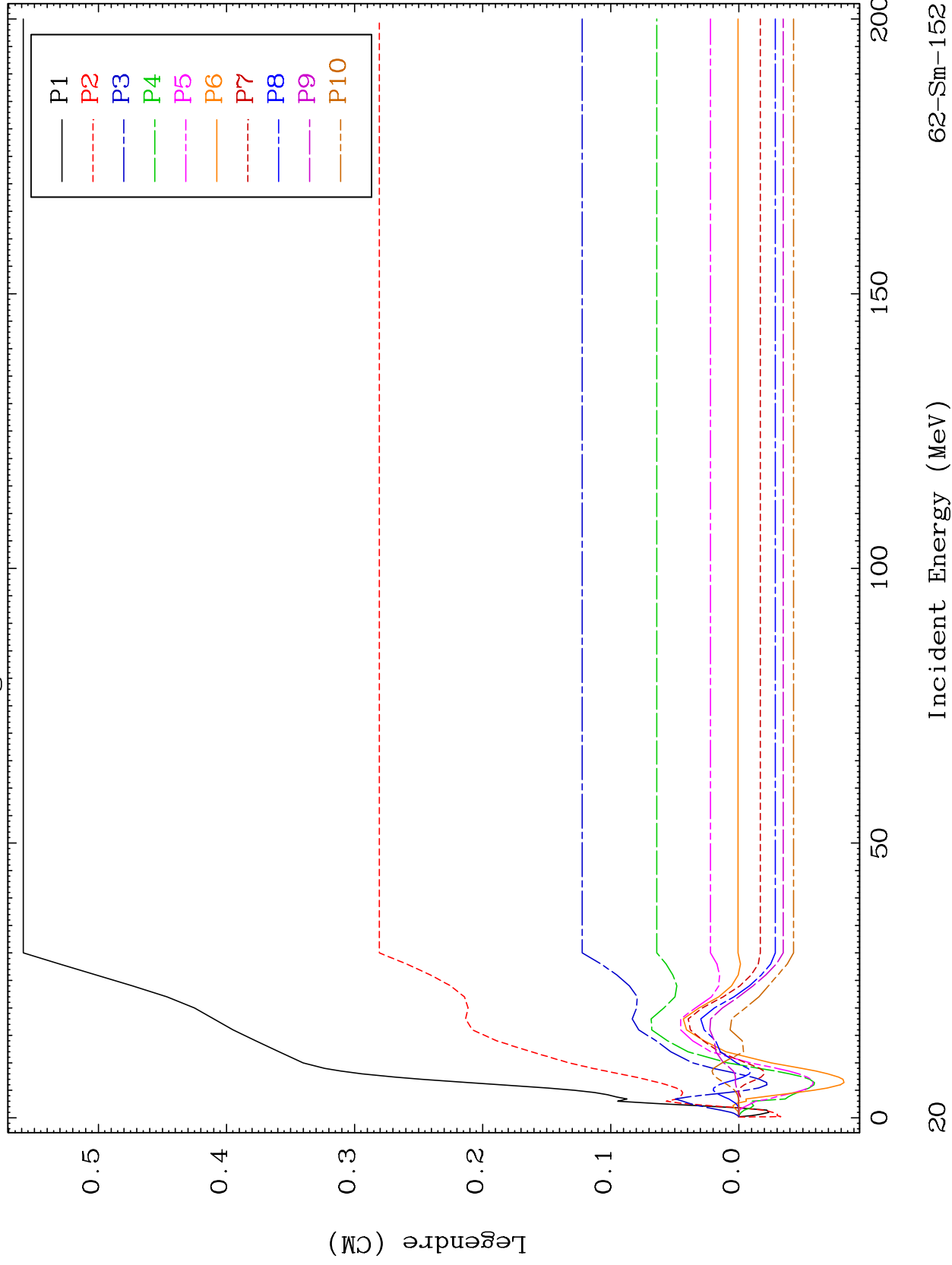
62-Sm-152



MAT 6249

121.8 keV (n,n') Level  
Legendre Coefficients

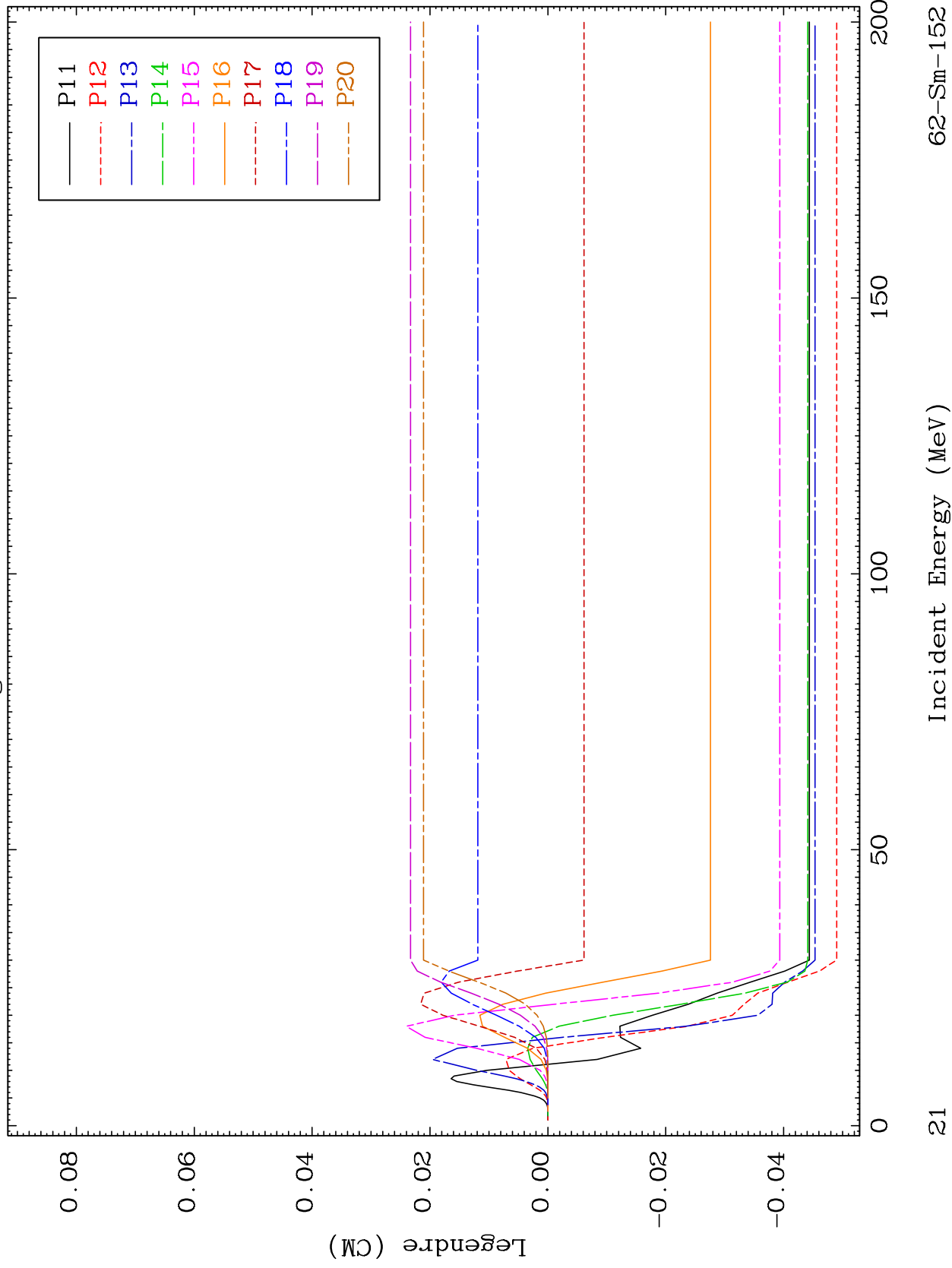
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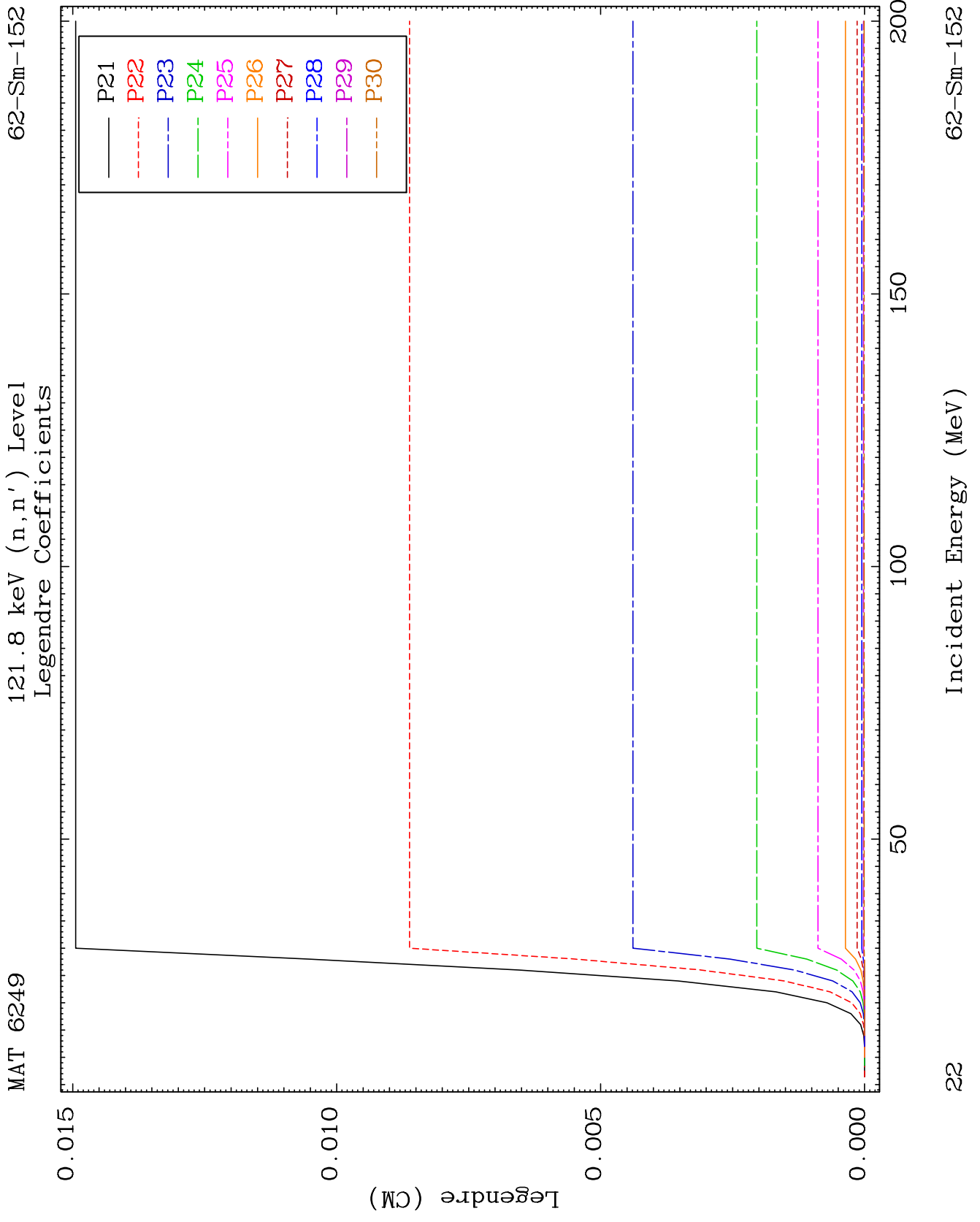


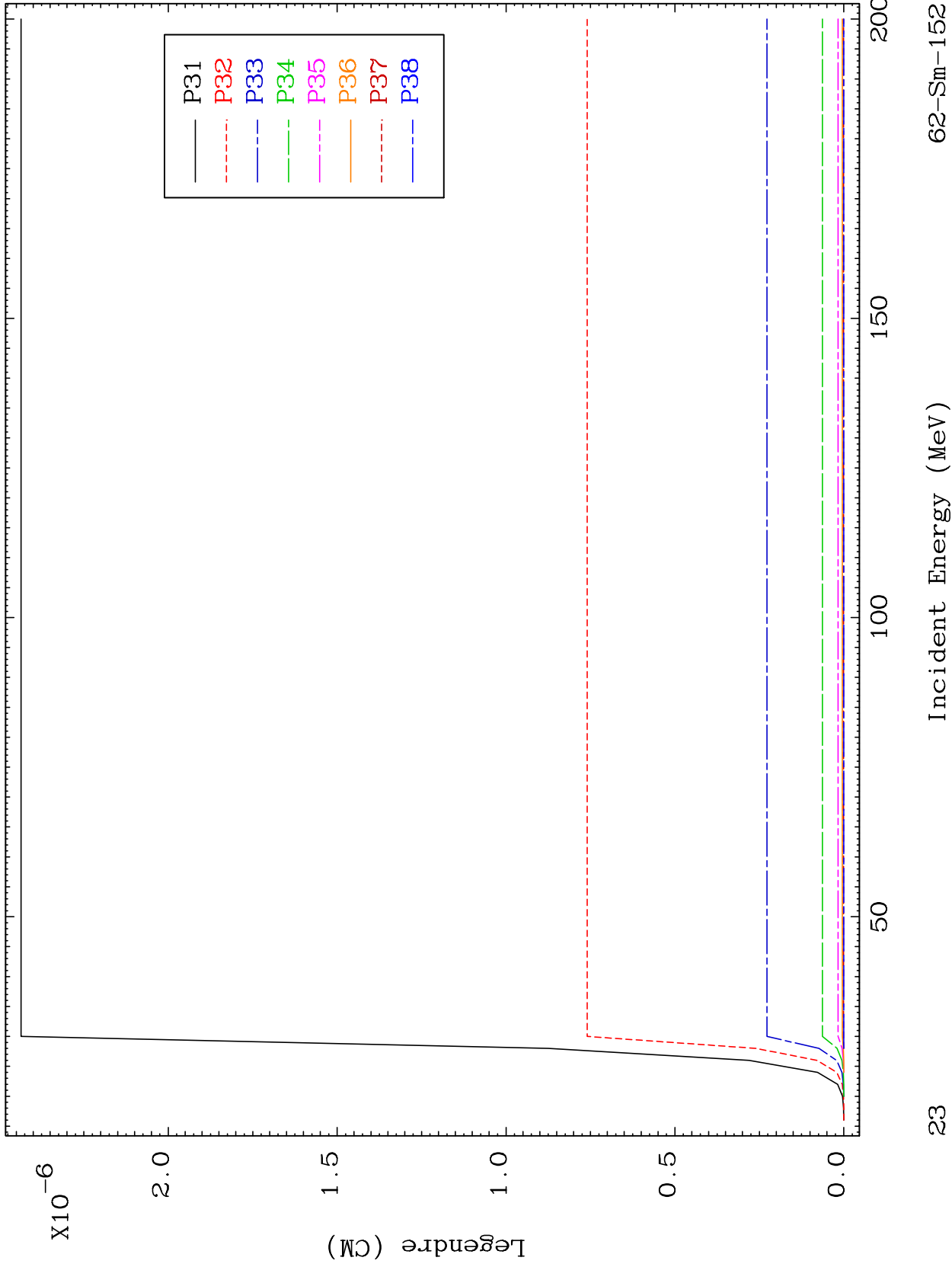
MAT 6249

121.8 keV (n,n') Level  
Legendre Coefficients

62-Sm-152





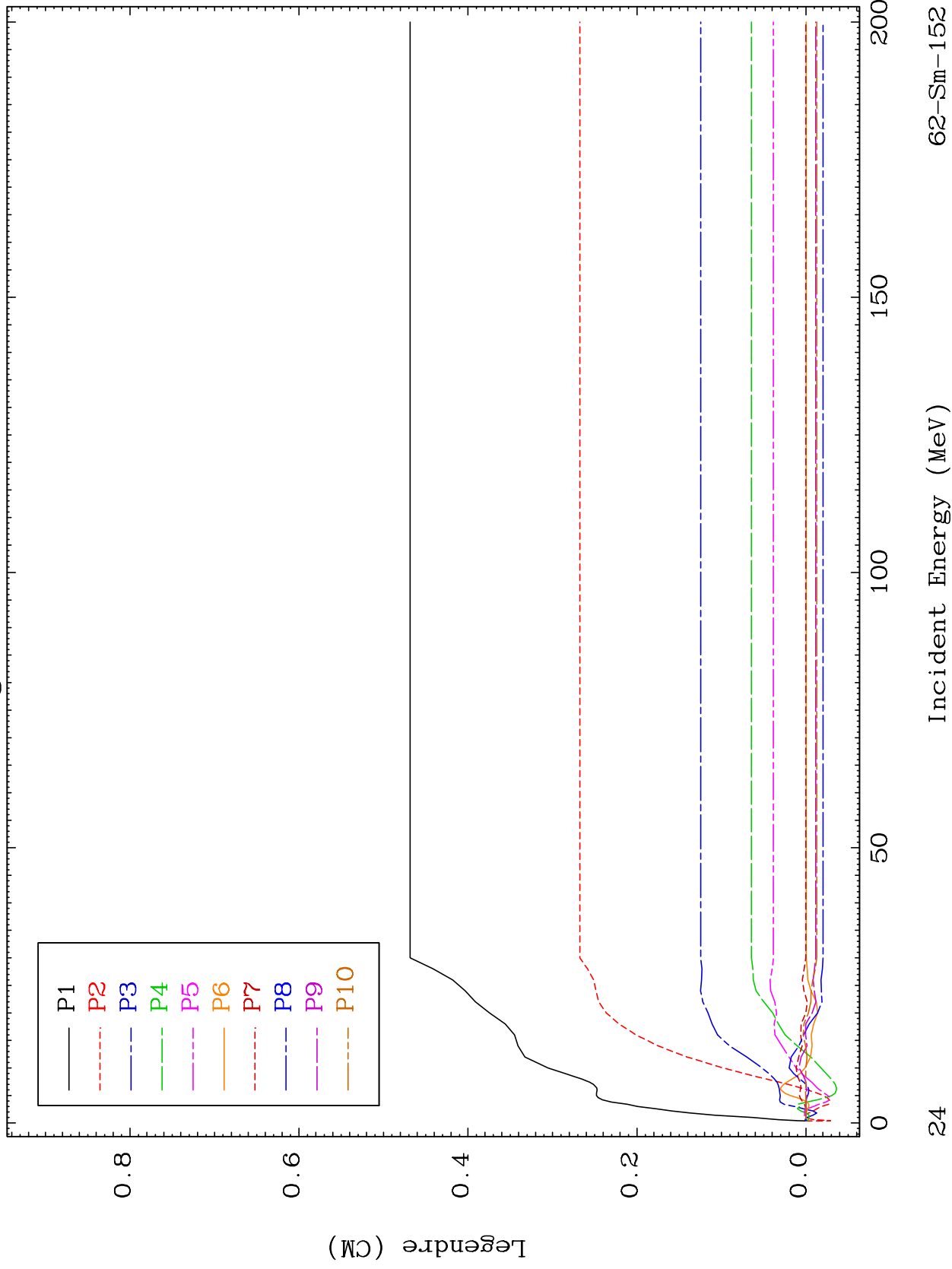




MAT 6249

366.5 keV (n,n') Level  
Legendre Coefficients

62-Sm-152



24

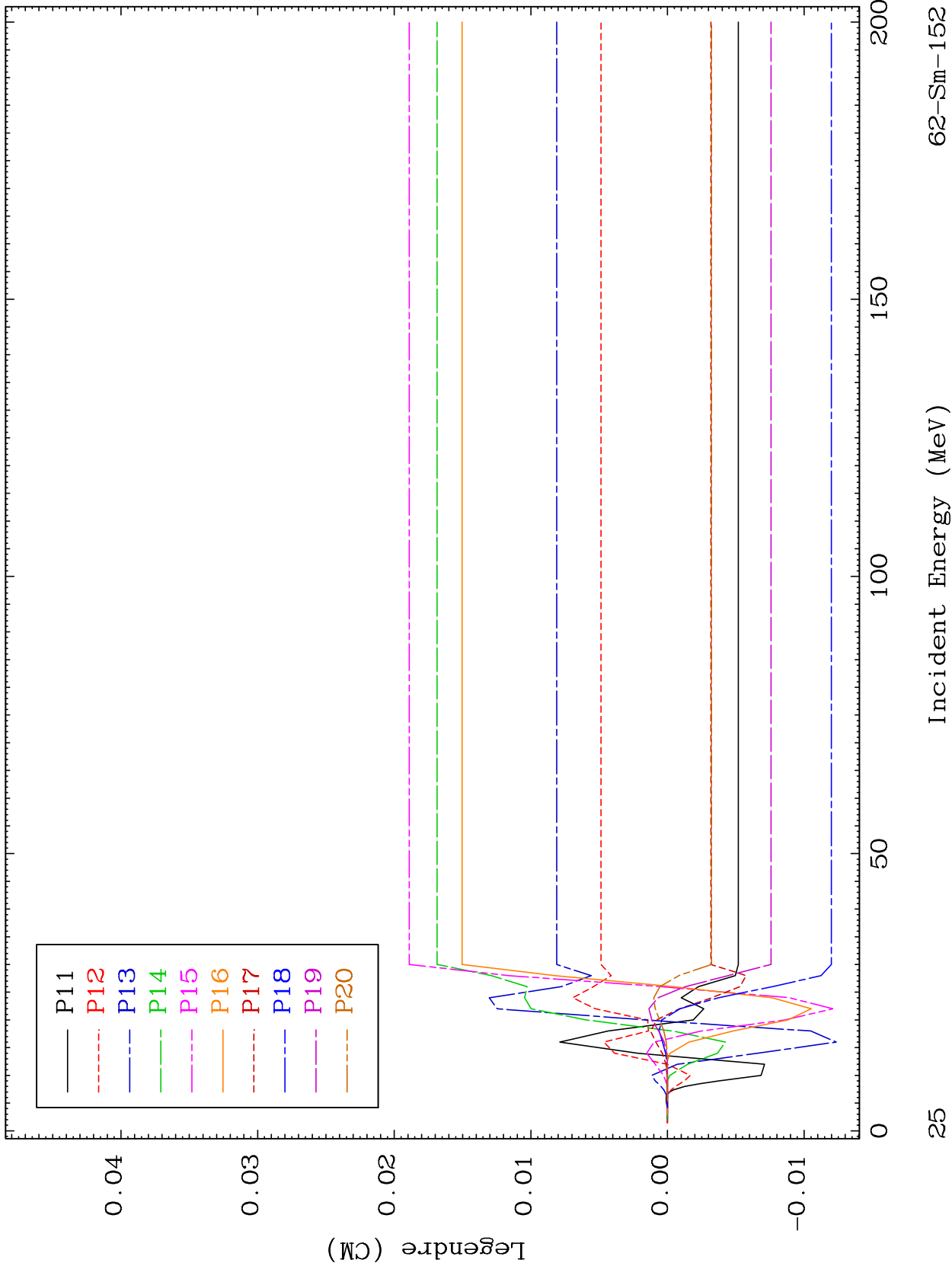
Incident Energy (MeV)

62-Sm-152

MAT 6249

366.5 keV (n,n') Level  
Legendre Coefficients

62-Sm-152



62-Sm-152

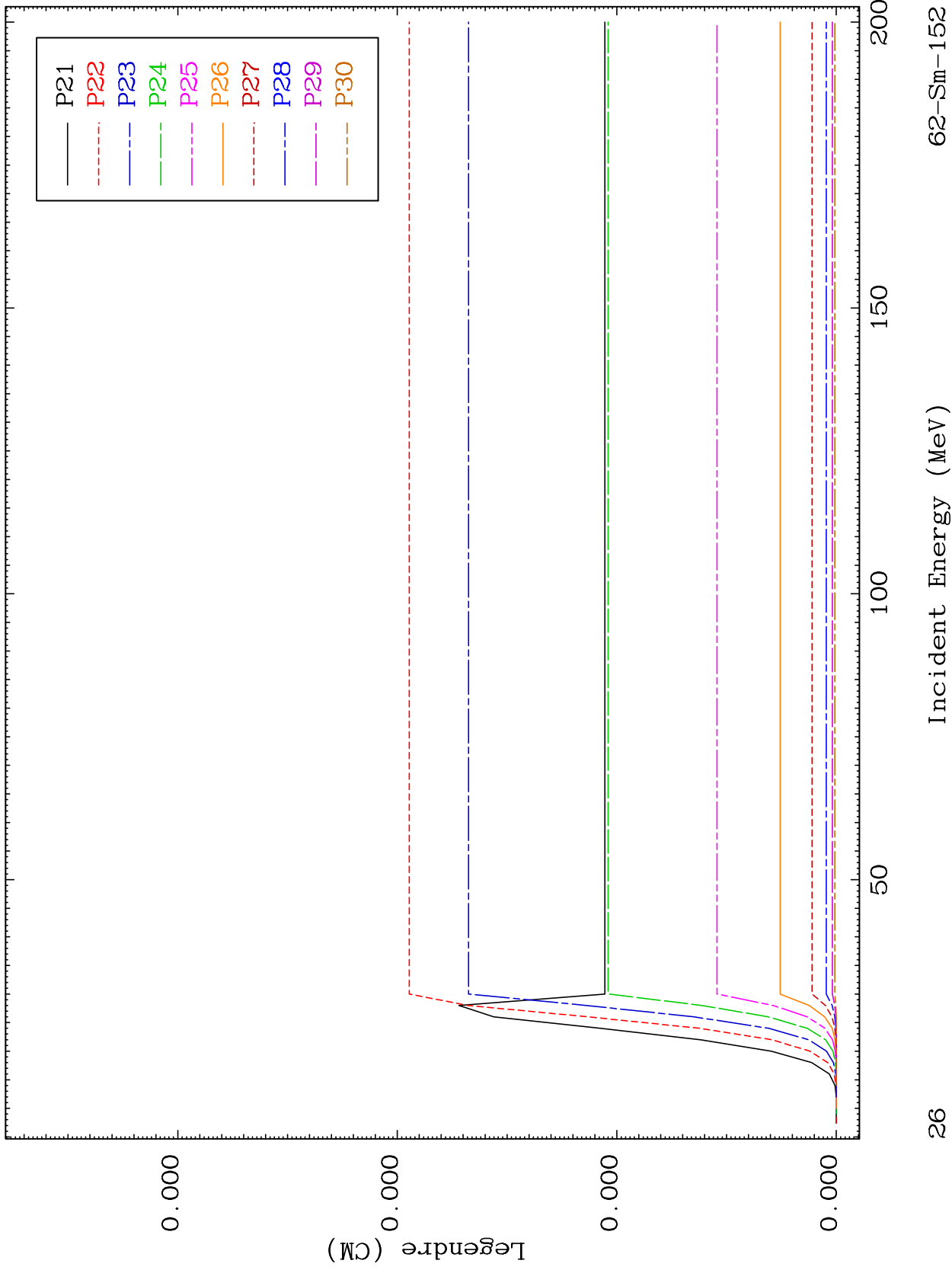
Incident Energy (MeV)

25

MAT 6249

366.5 keV (n,n') Level  
Legendre Coefficients

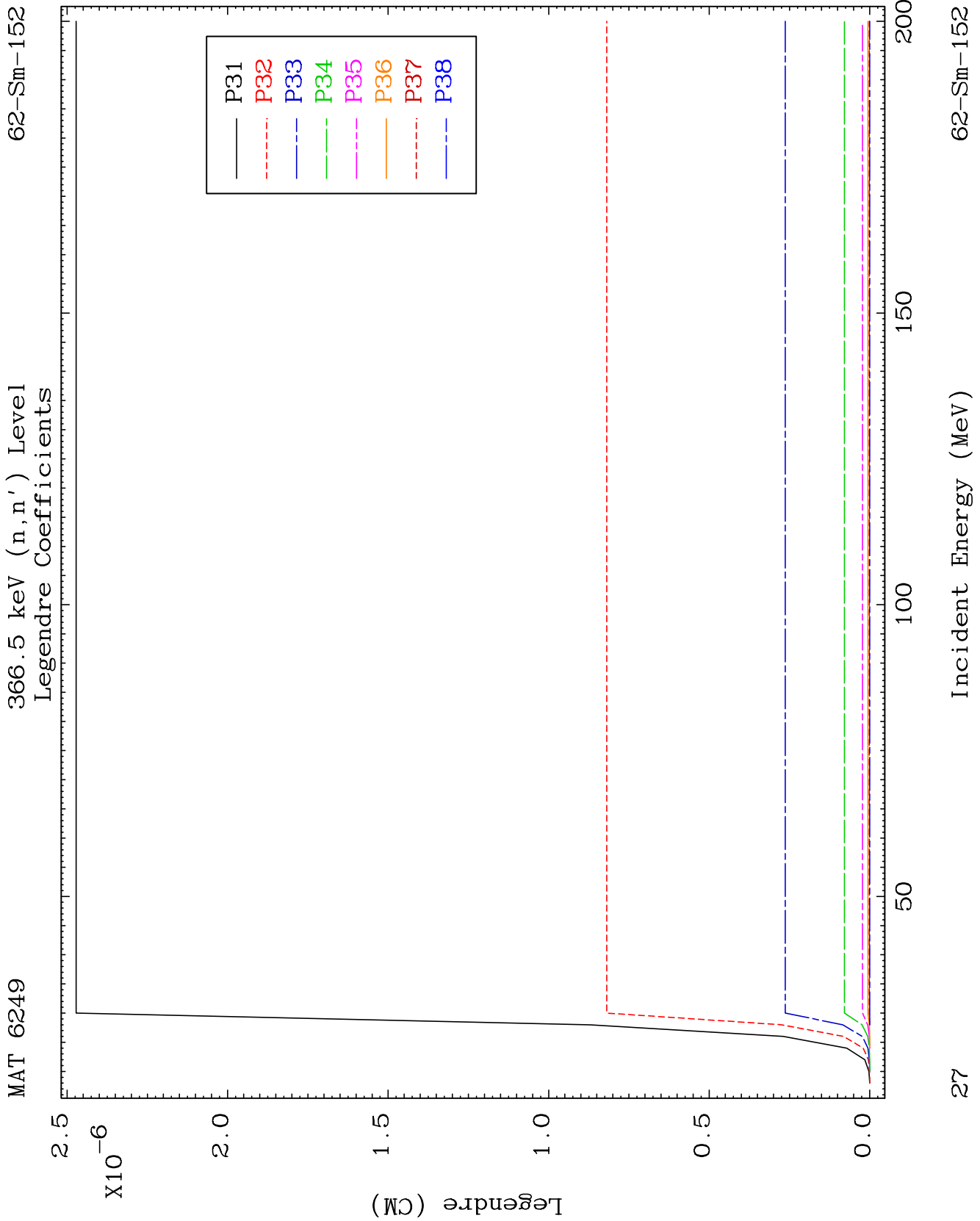
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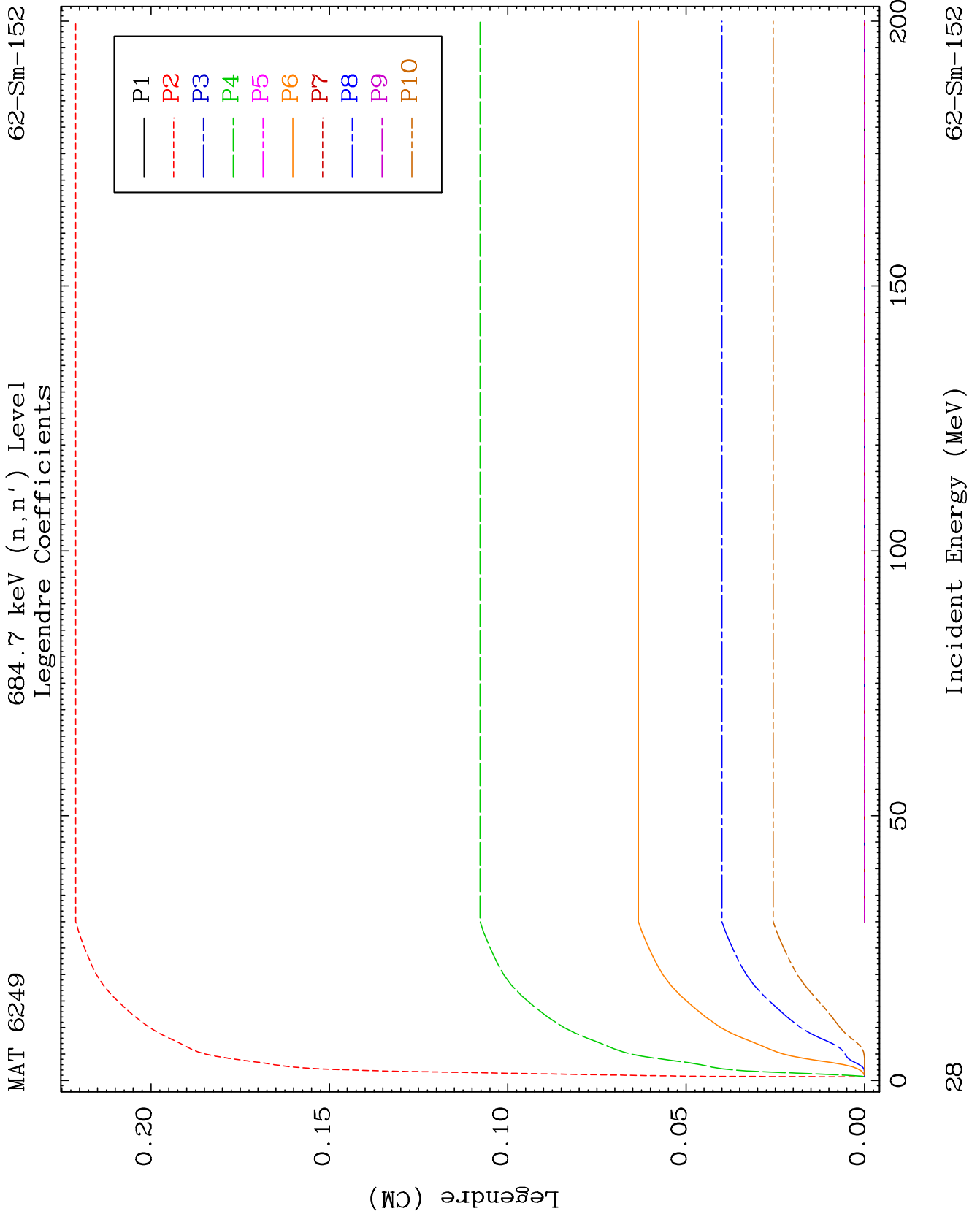


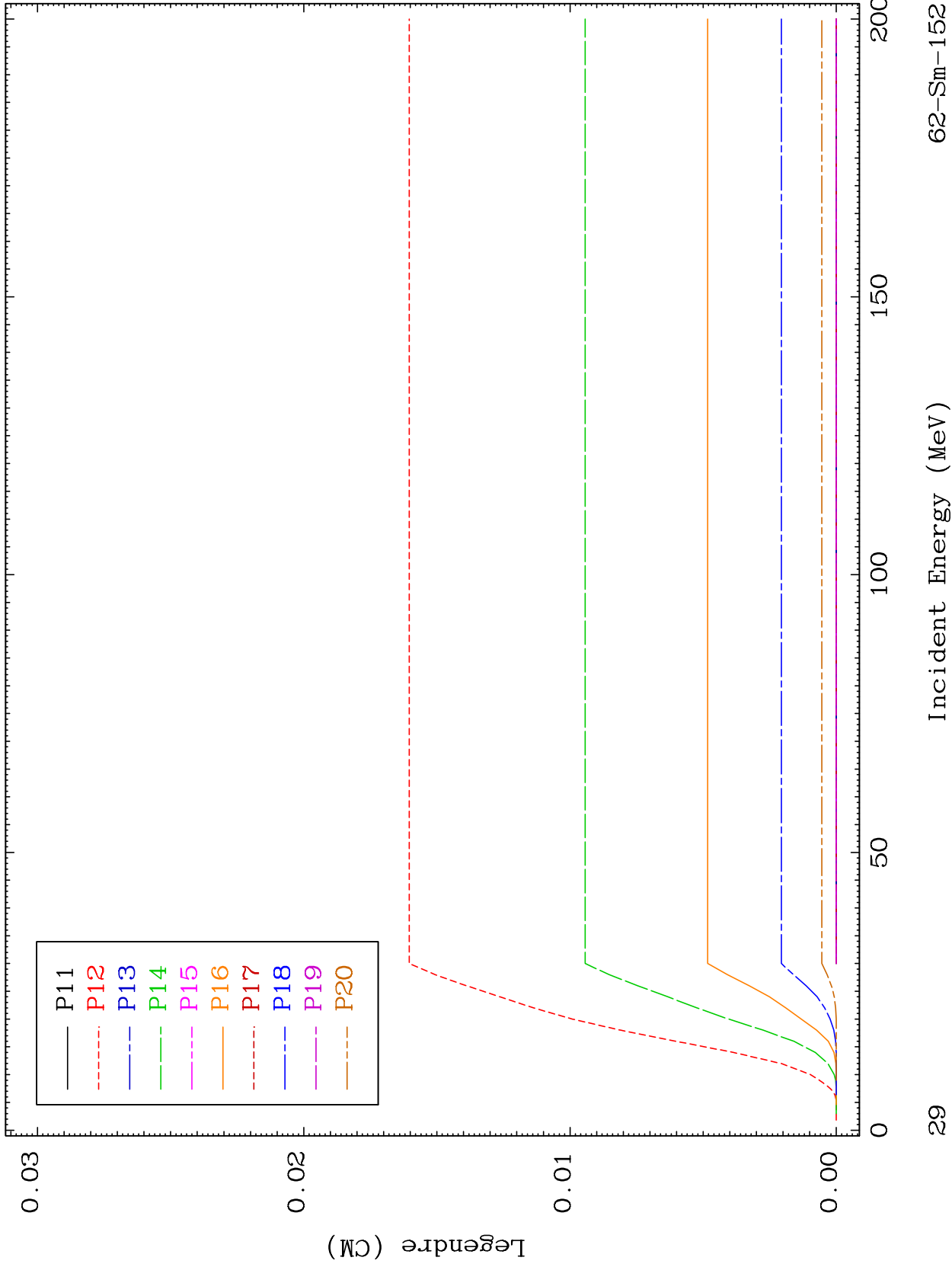
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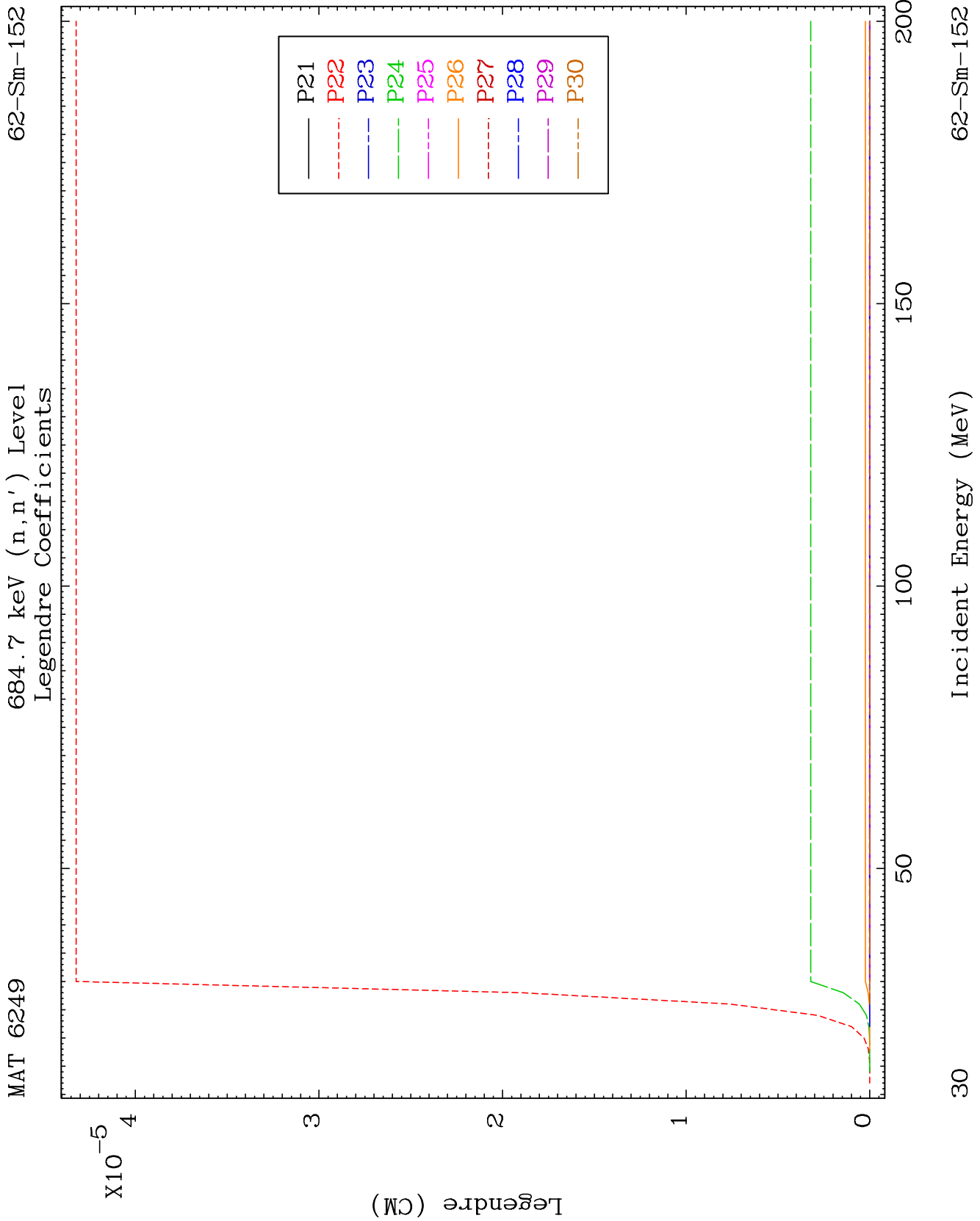
Incident Energy (MeV)

62-Sm-152





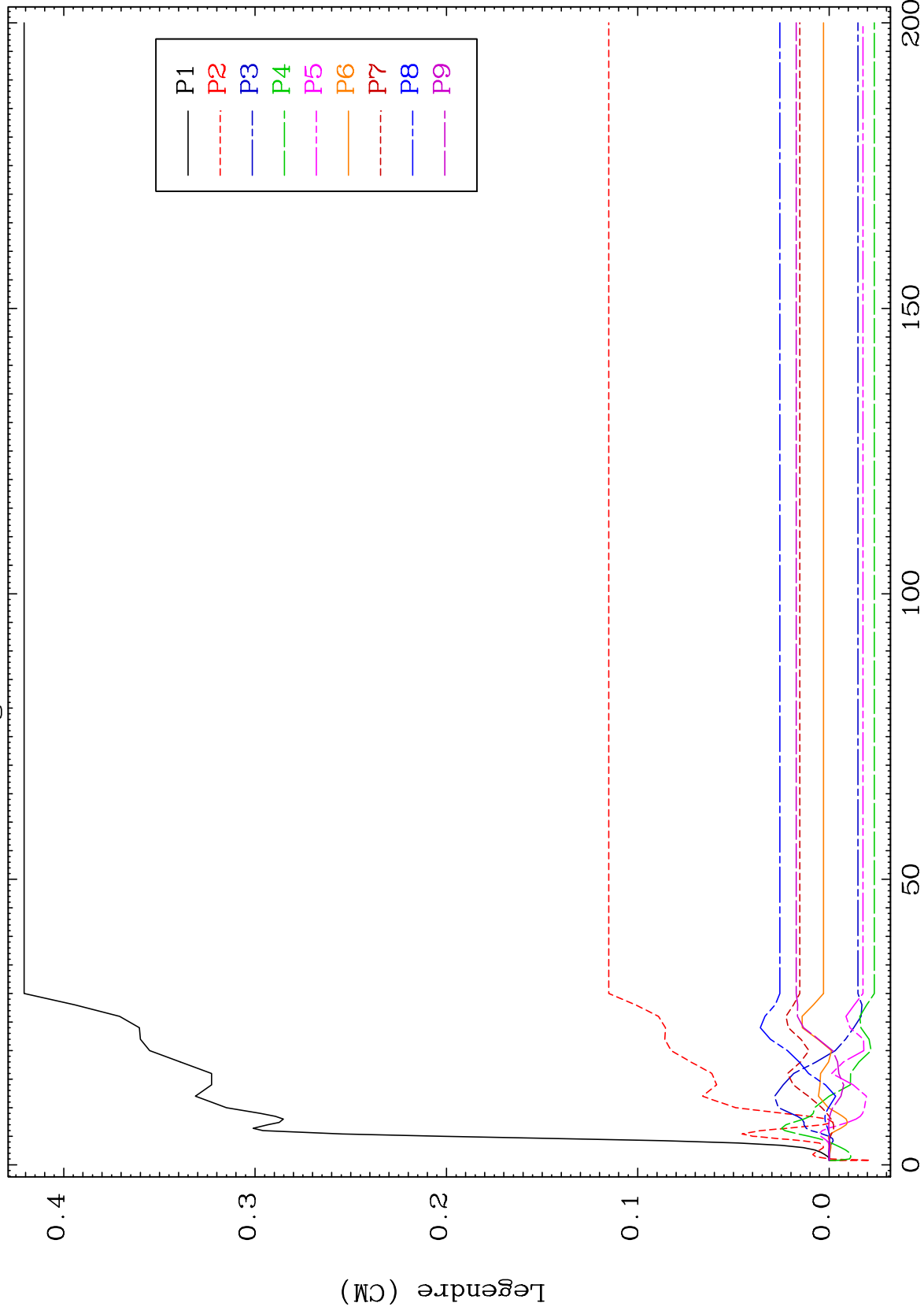




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706.9 keV (n,n') Level  
Legendre Coefficients

62-Sm-152



31

Incident Energy (MeV)

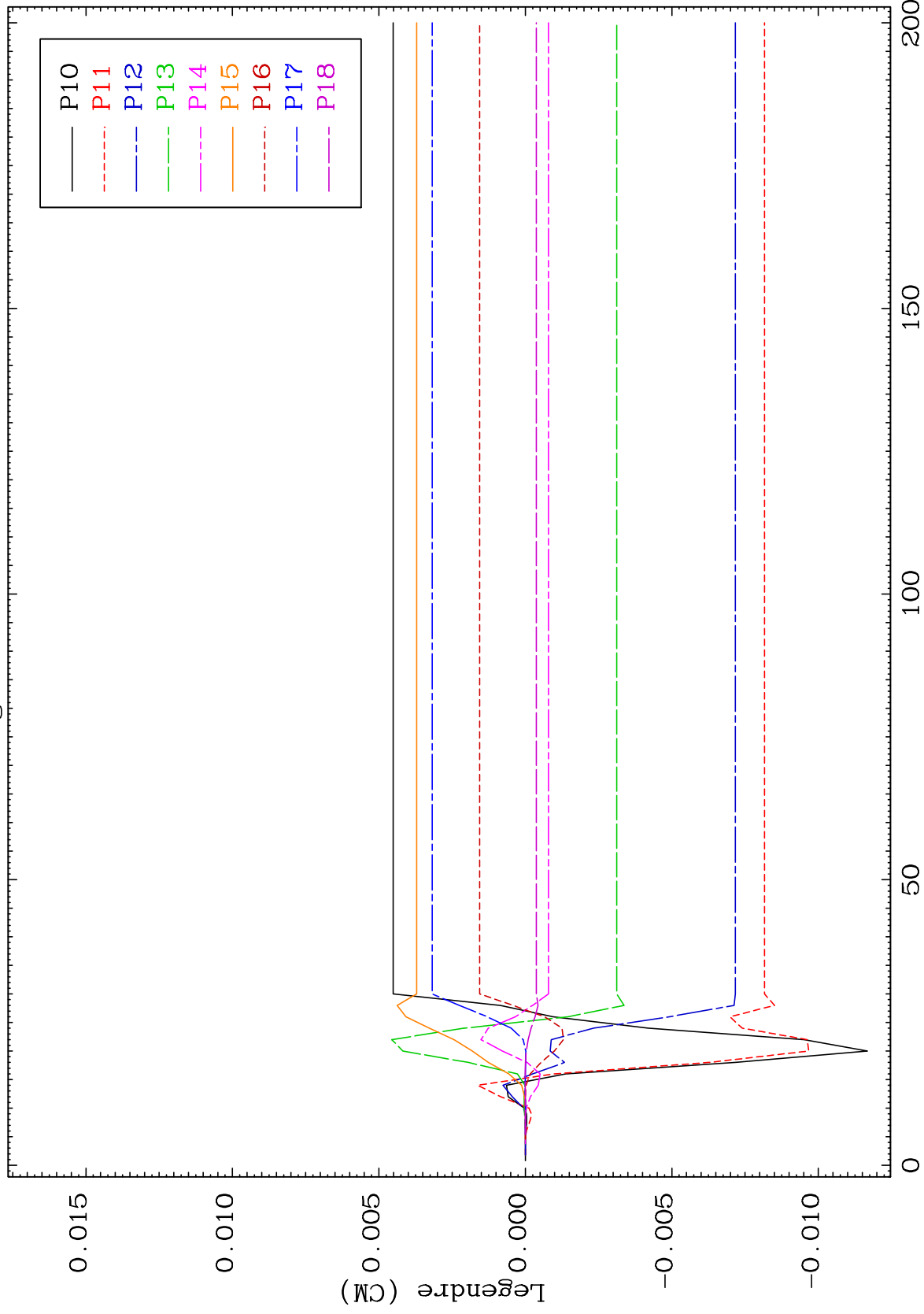
62-Sm-152



MAT 6249

706.9 keV (n,n') Level  
Legendre Coefficients

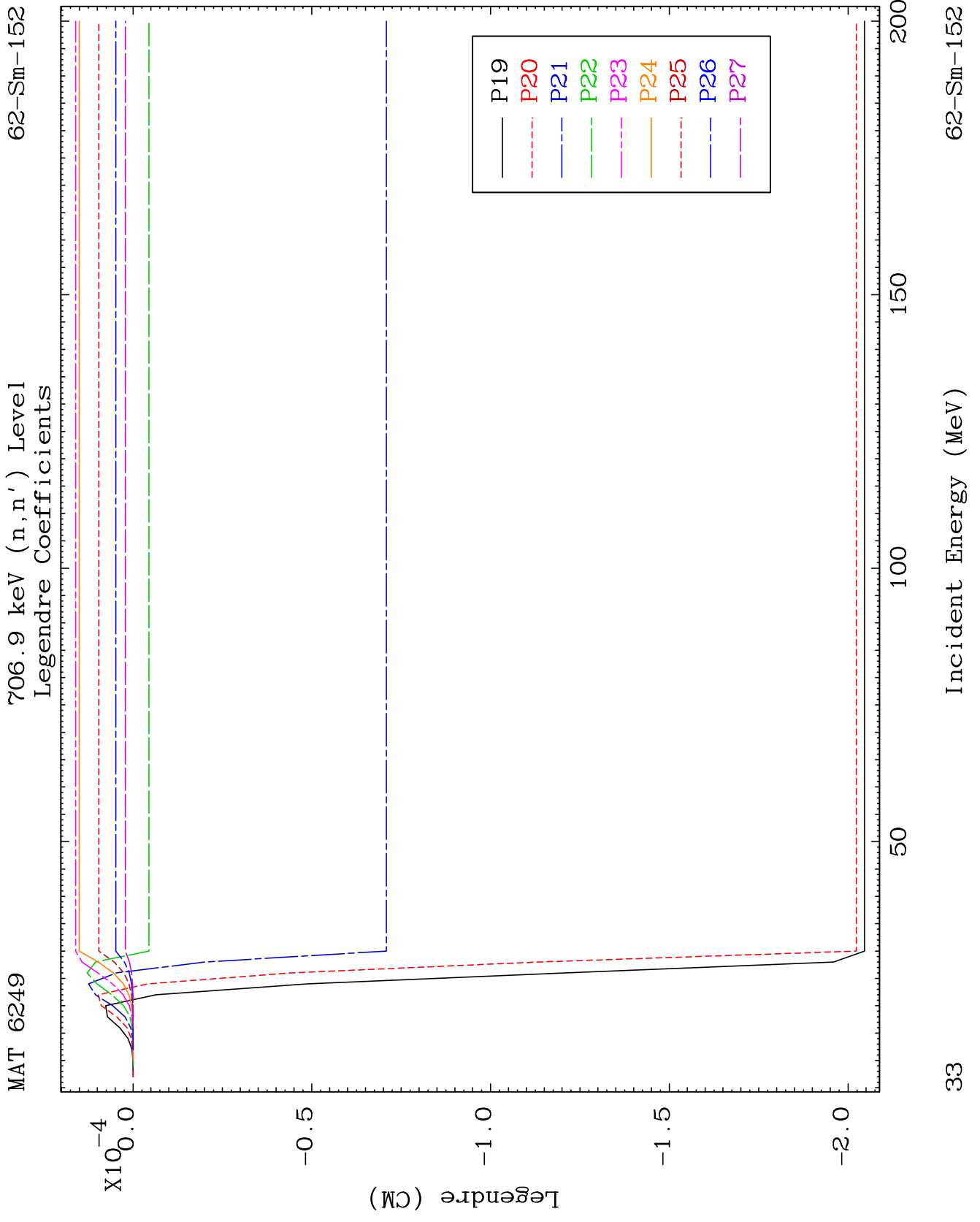
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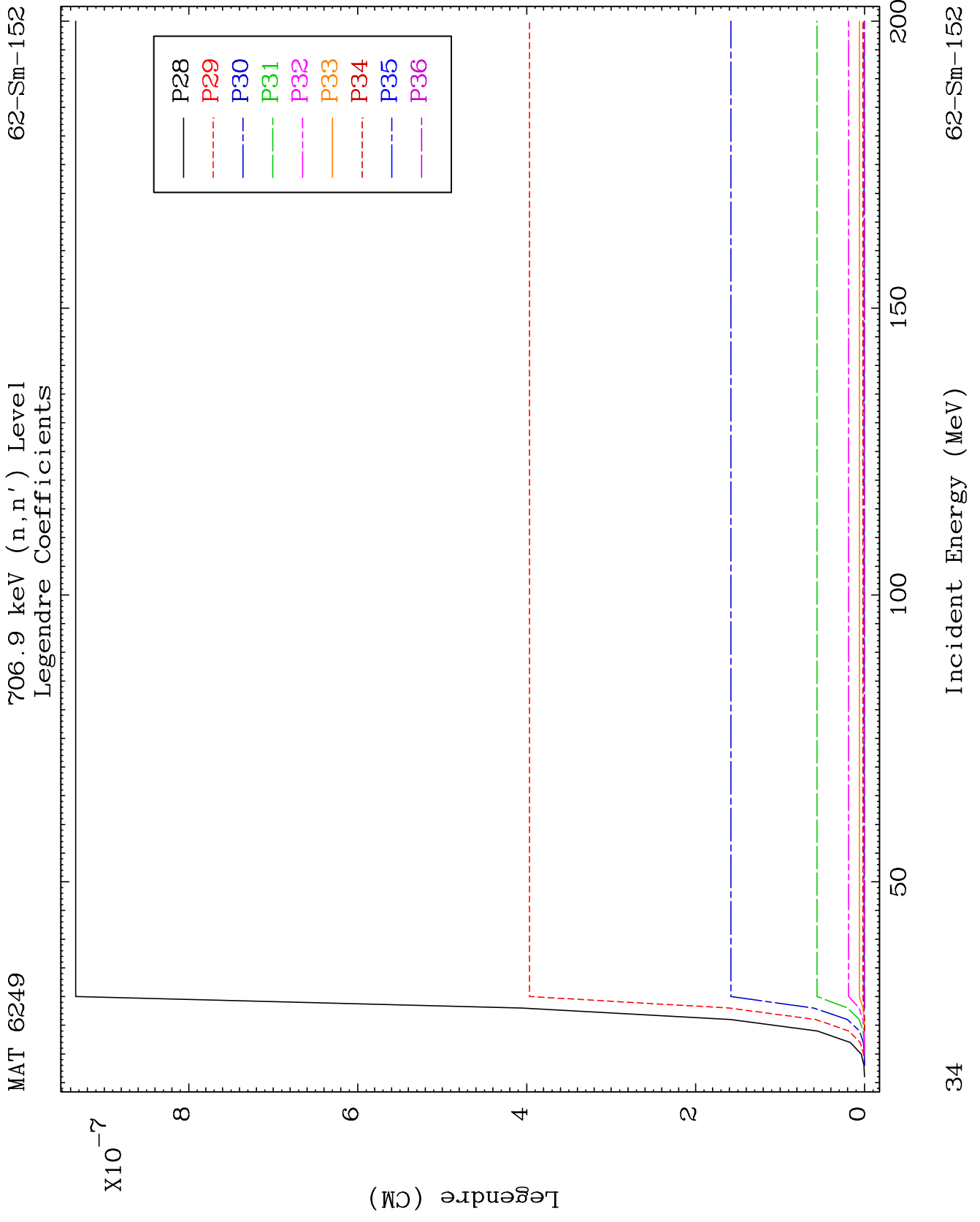


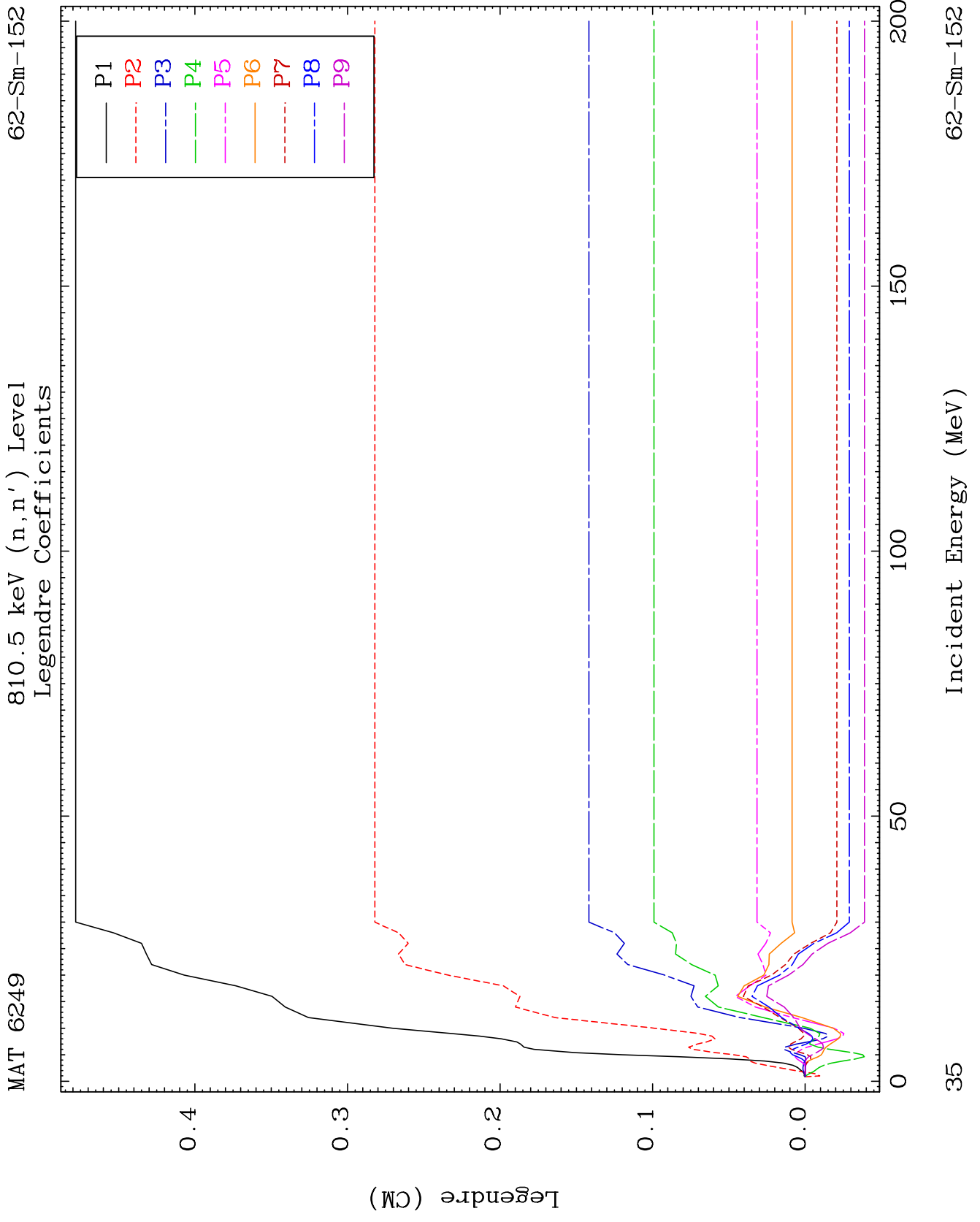
32

Incident Energy (MeV)

62-Sm-152



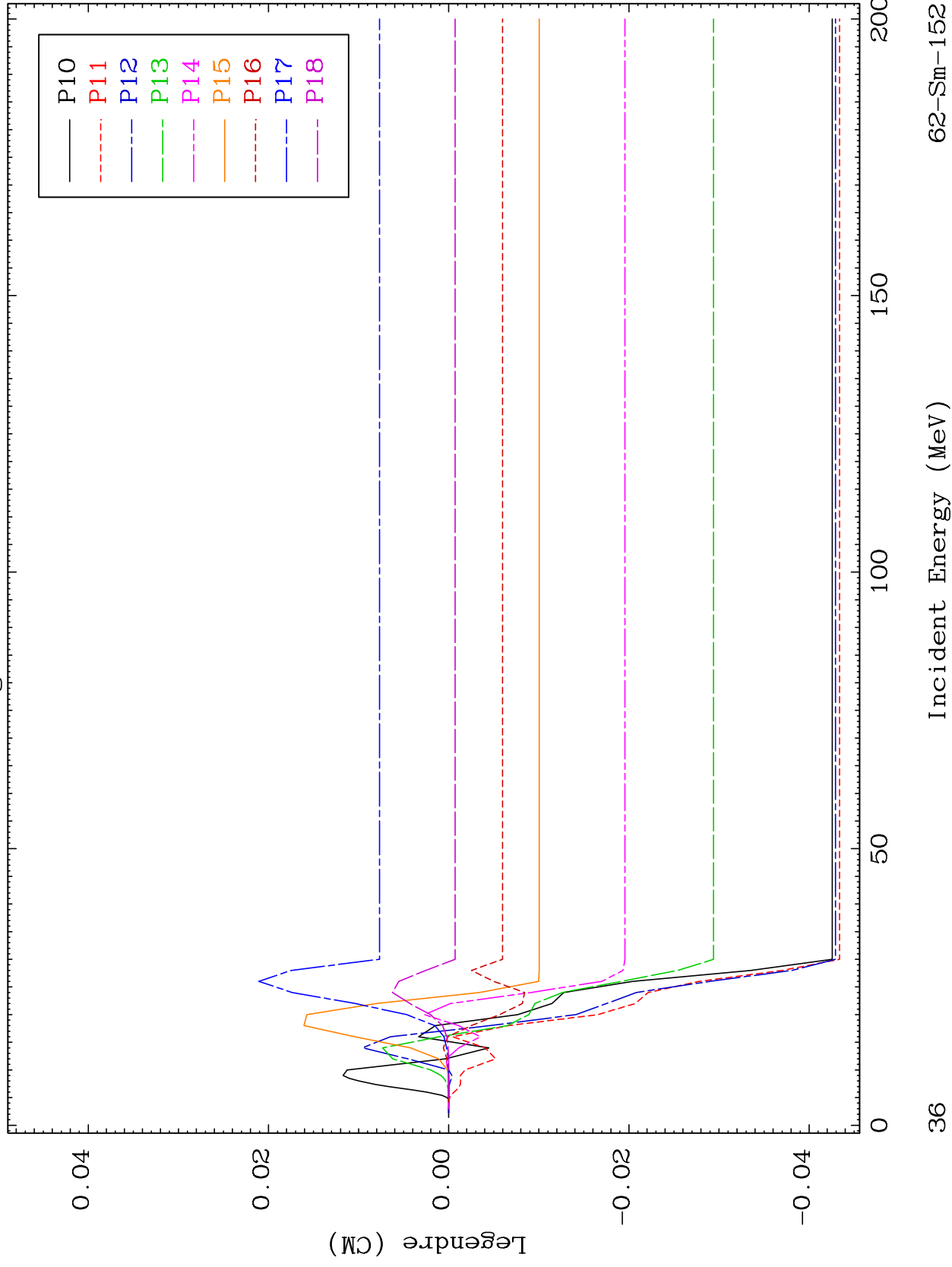




MAT 6249

810.5 keV (n,n') Level  
Legendre Coefficients

62-Sm-152



62-Sm-152

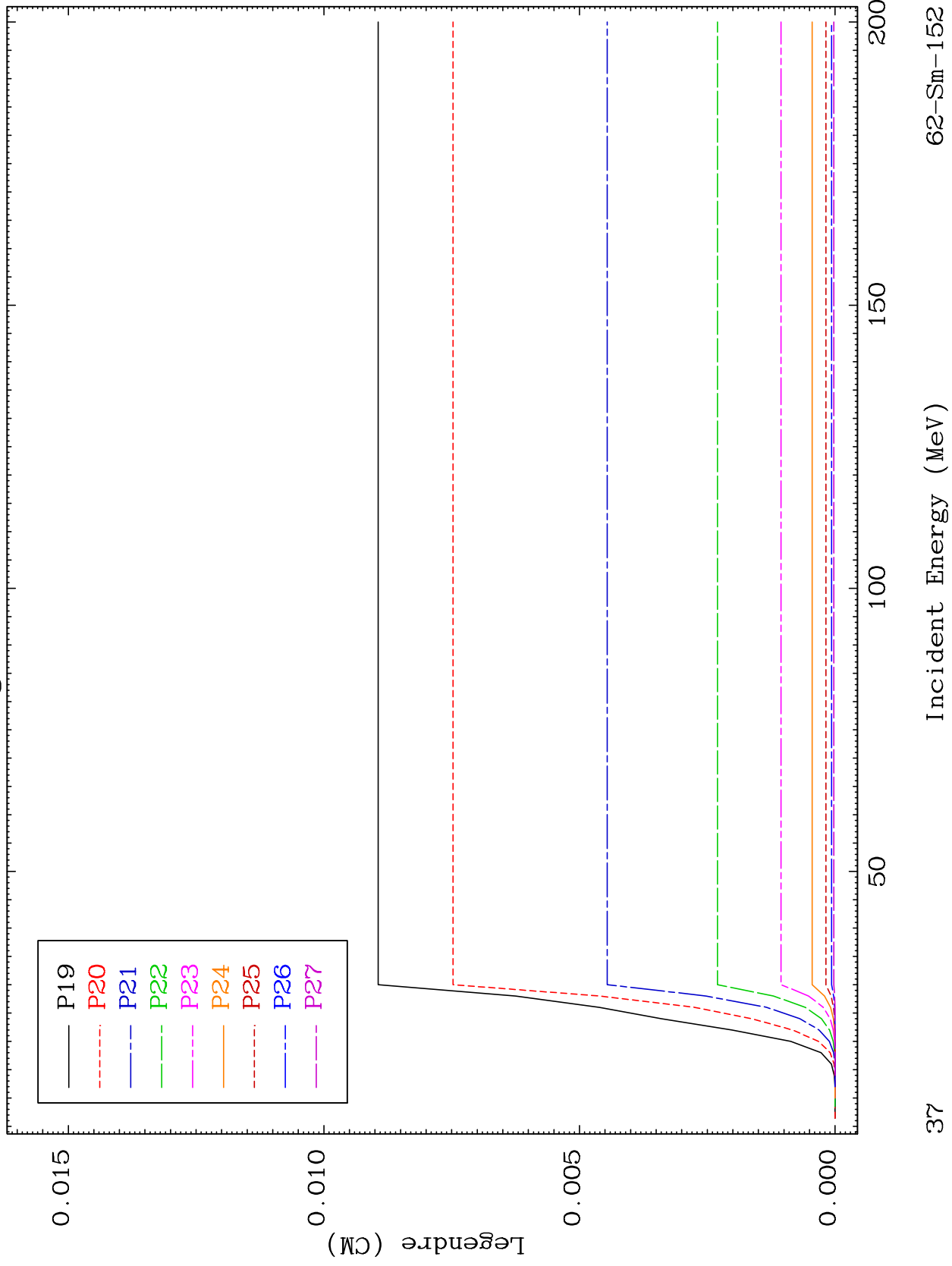
Incident Energy (MeV)

36

MAT 6249

810.5 keV (n,n') Level  
Legendre Coefficients

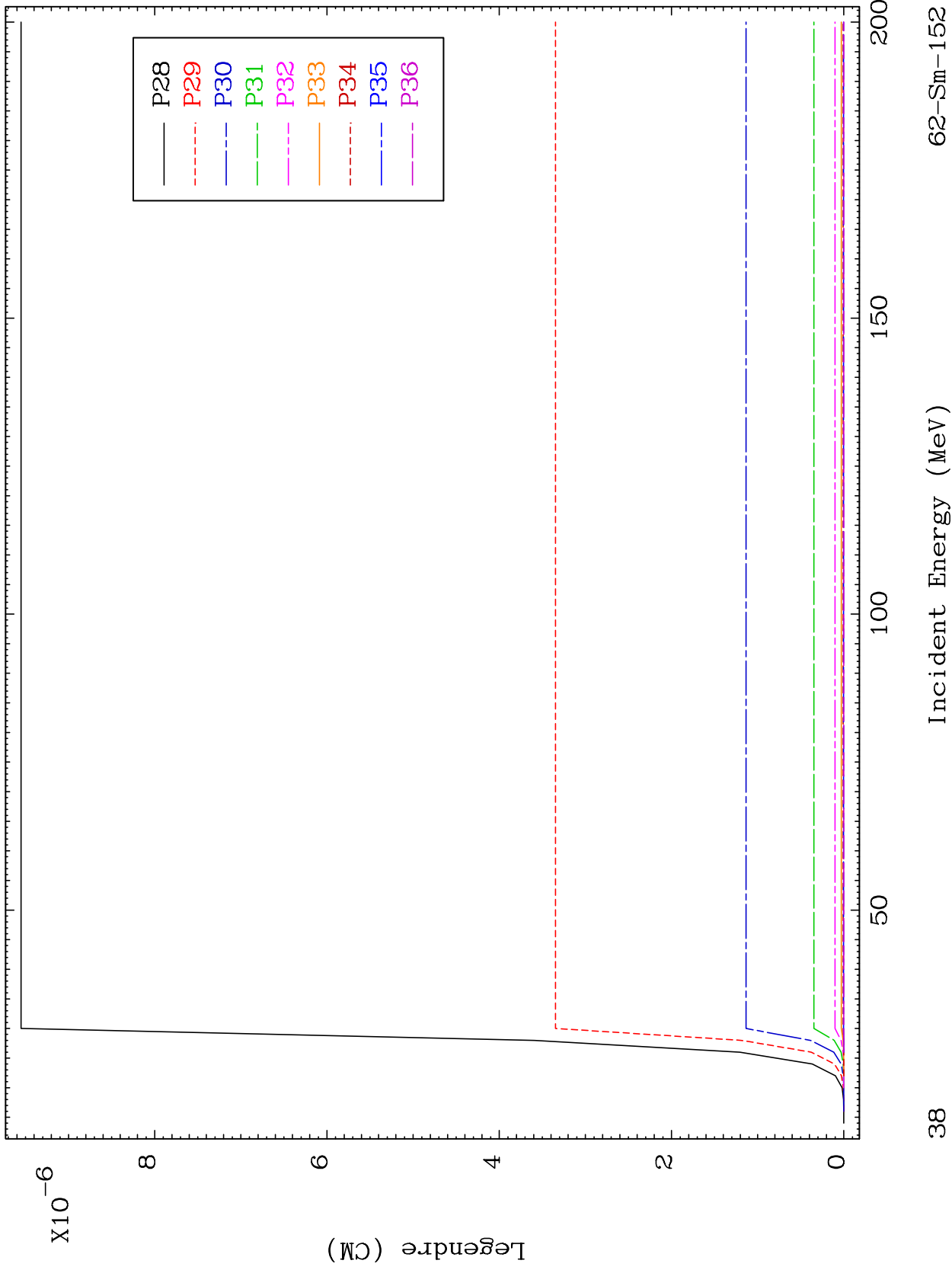
62-Sm-152



MAT 6249

810.5 keV (n,n') Level  
Legendre Coefficients

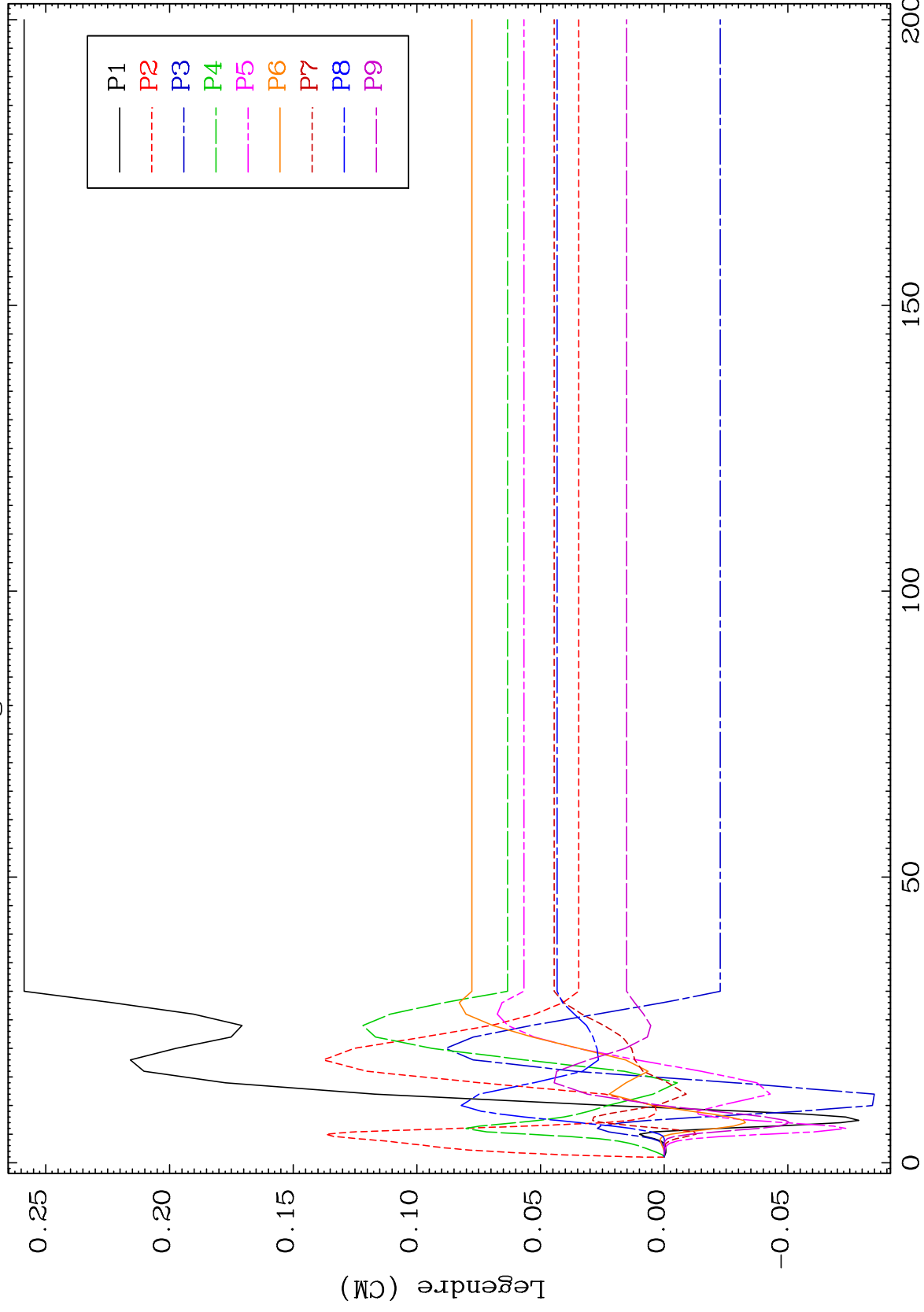
62-Sm-152



38

Incident Energy (MeV)

62-Sm-152

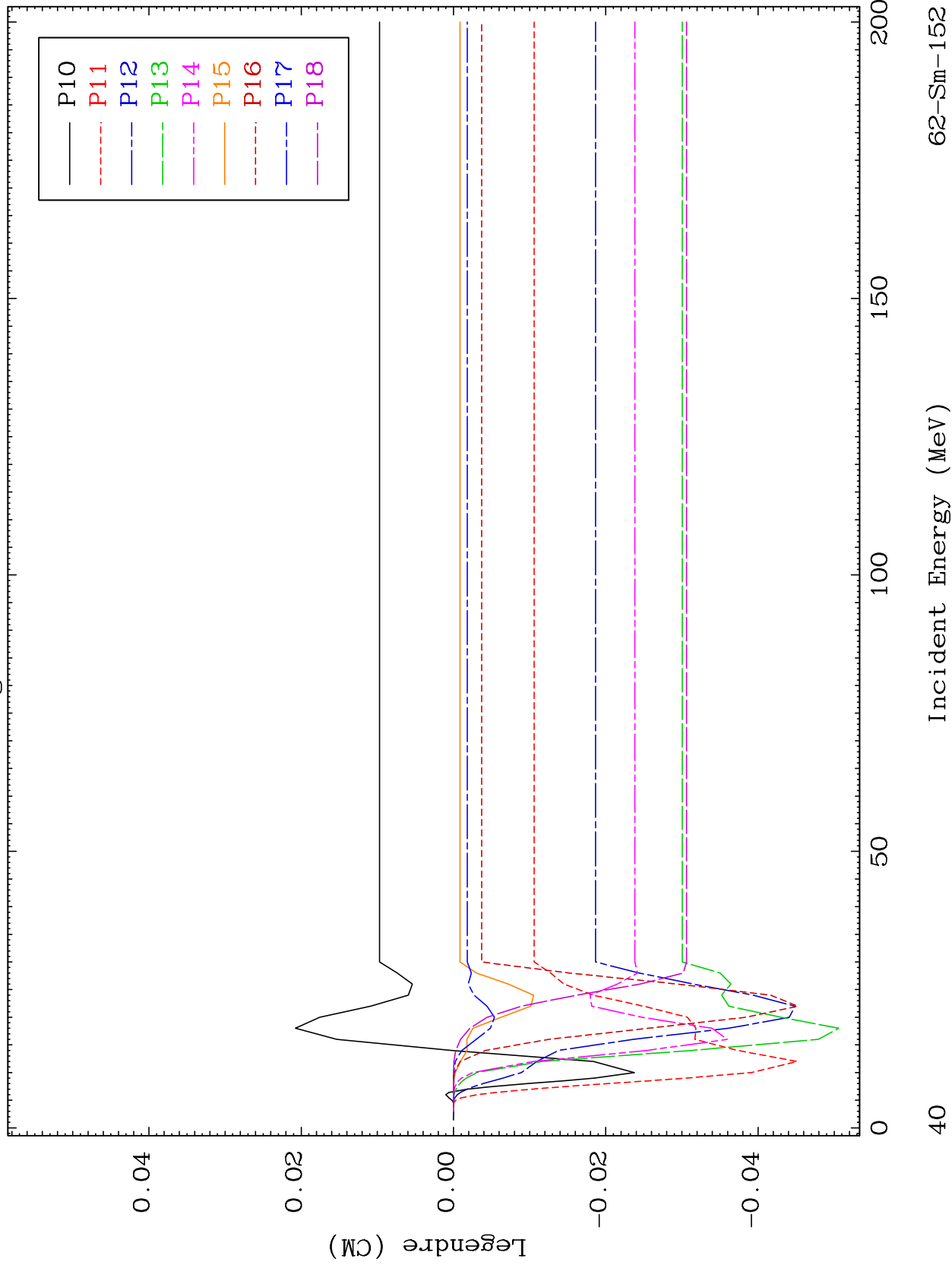




MAT 6249

963.4 keV (n,n') Level  
Legendre Coefficients

62-Sm-152

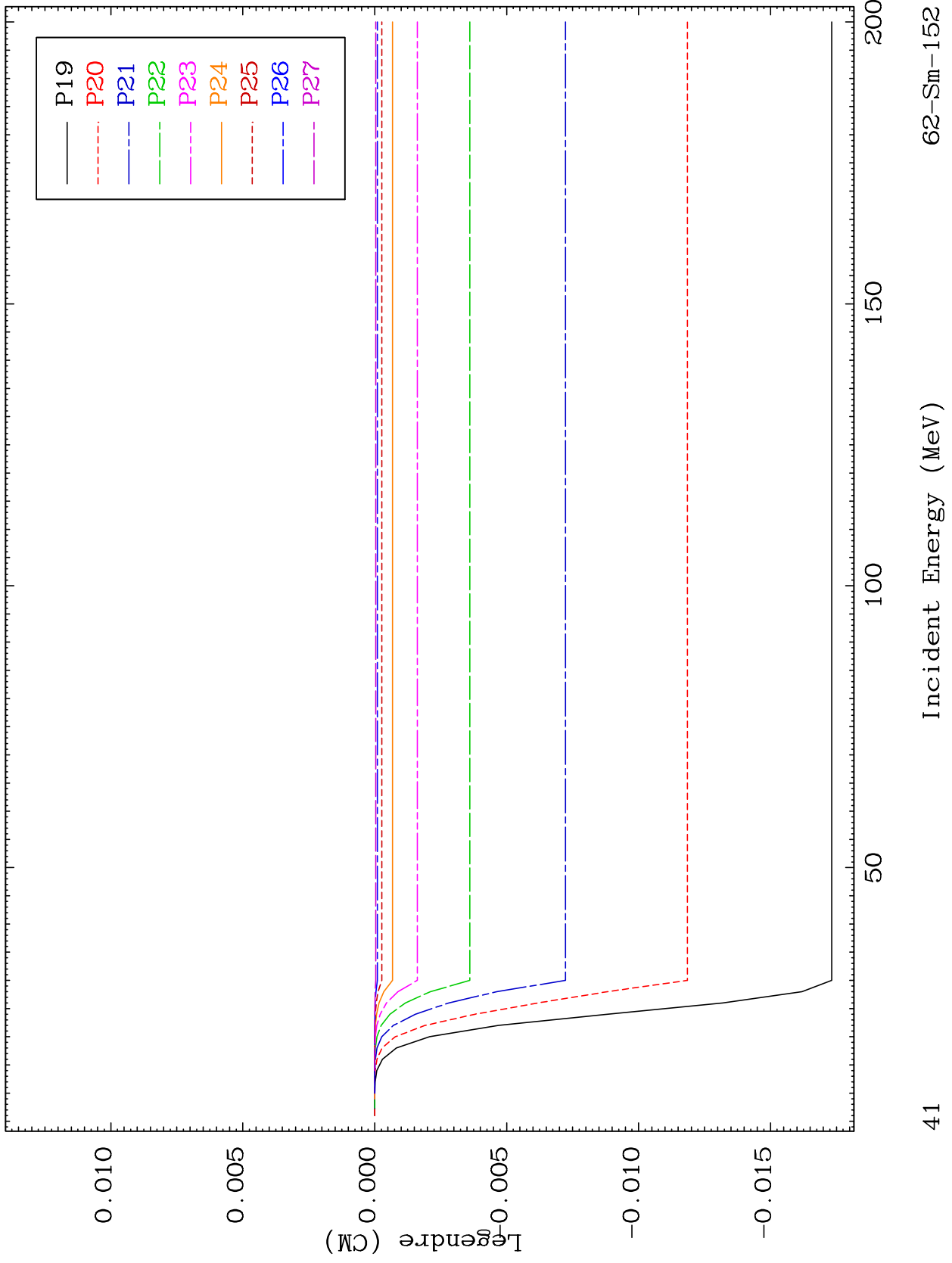


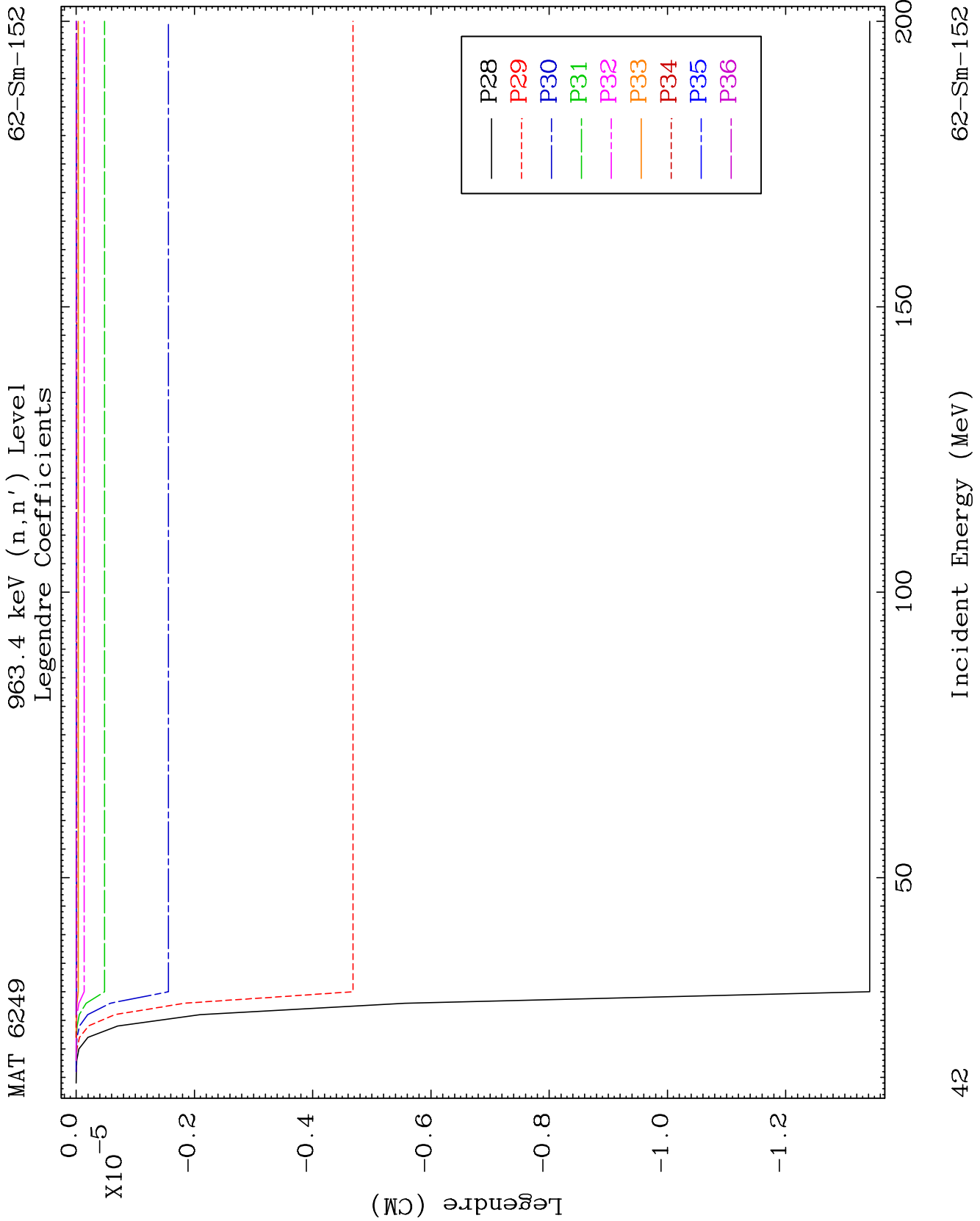
62-Sm-152

MAT 6249

963.4 keV (n,n') Level  
Legendre Coefficients

62-Sm-152

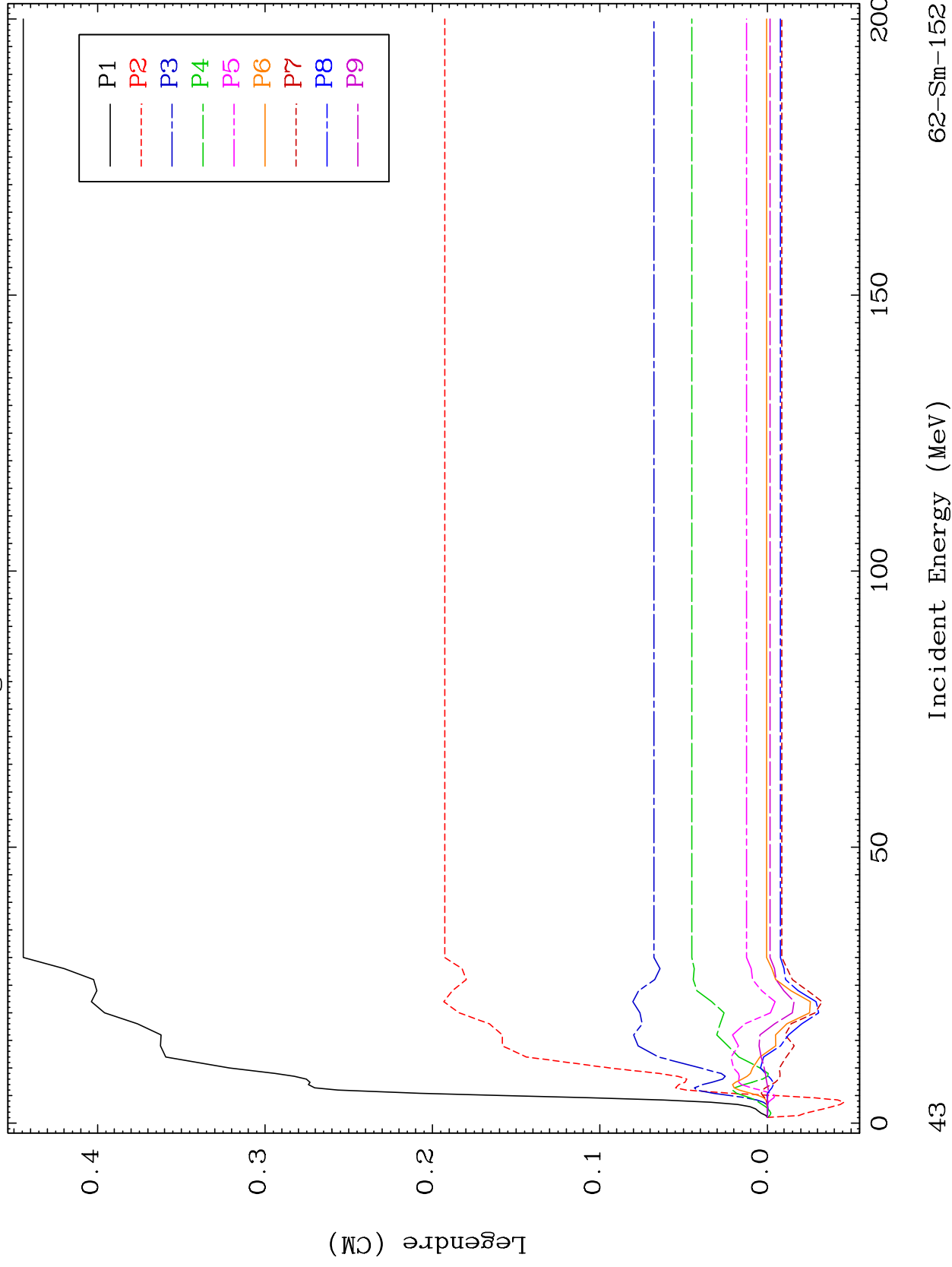




MAT 6249

1.023 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



62-Sm-152

Incident Energy (MeV)

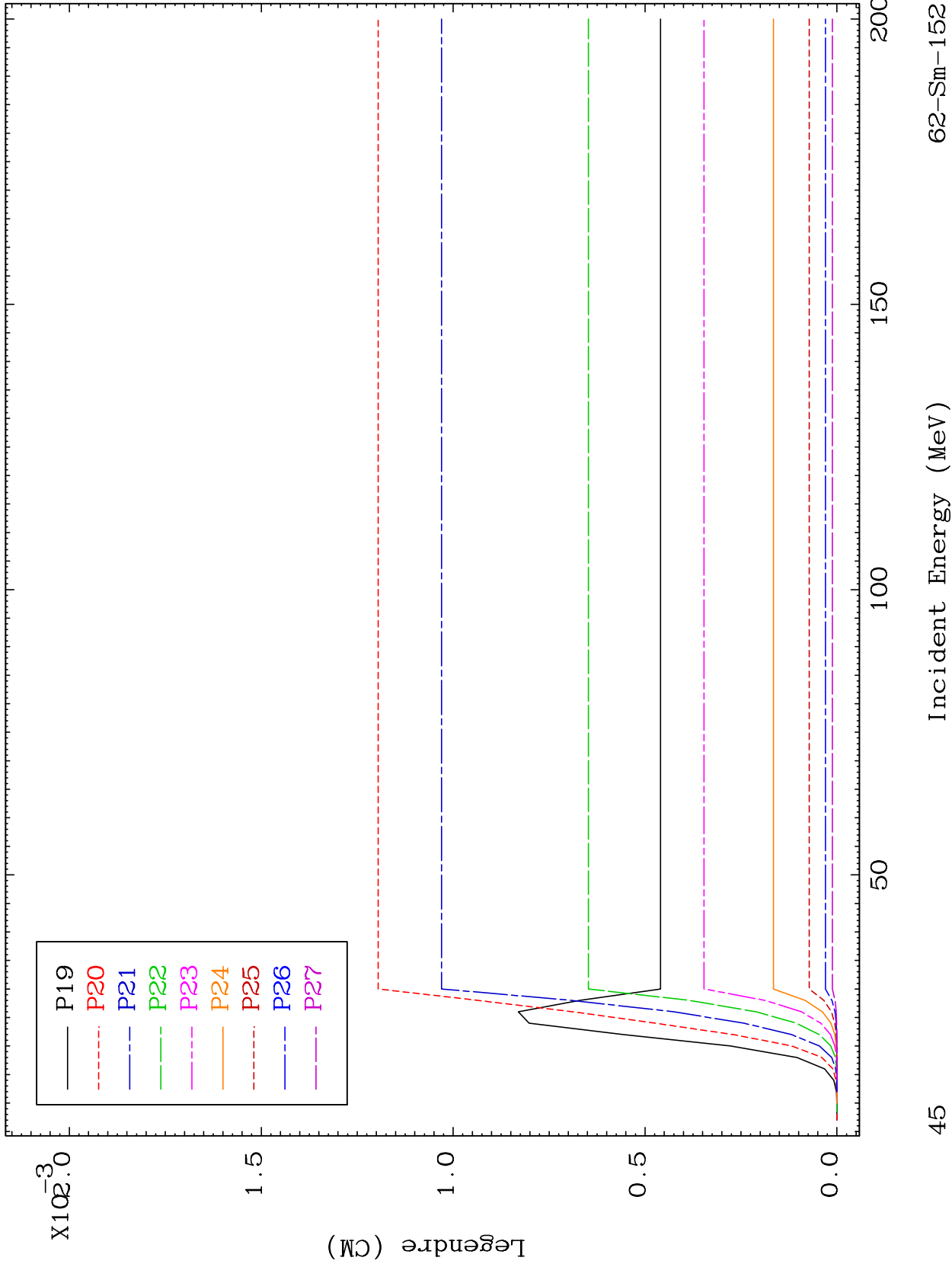
43



MAT 6249

1.023 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



45

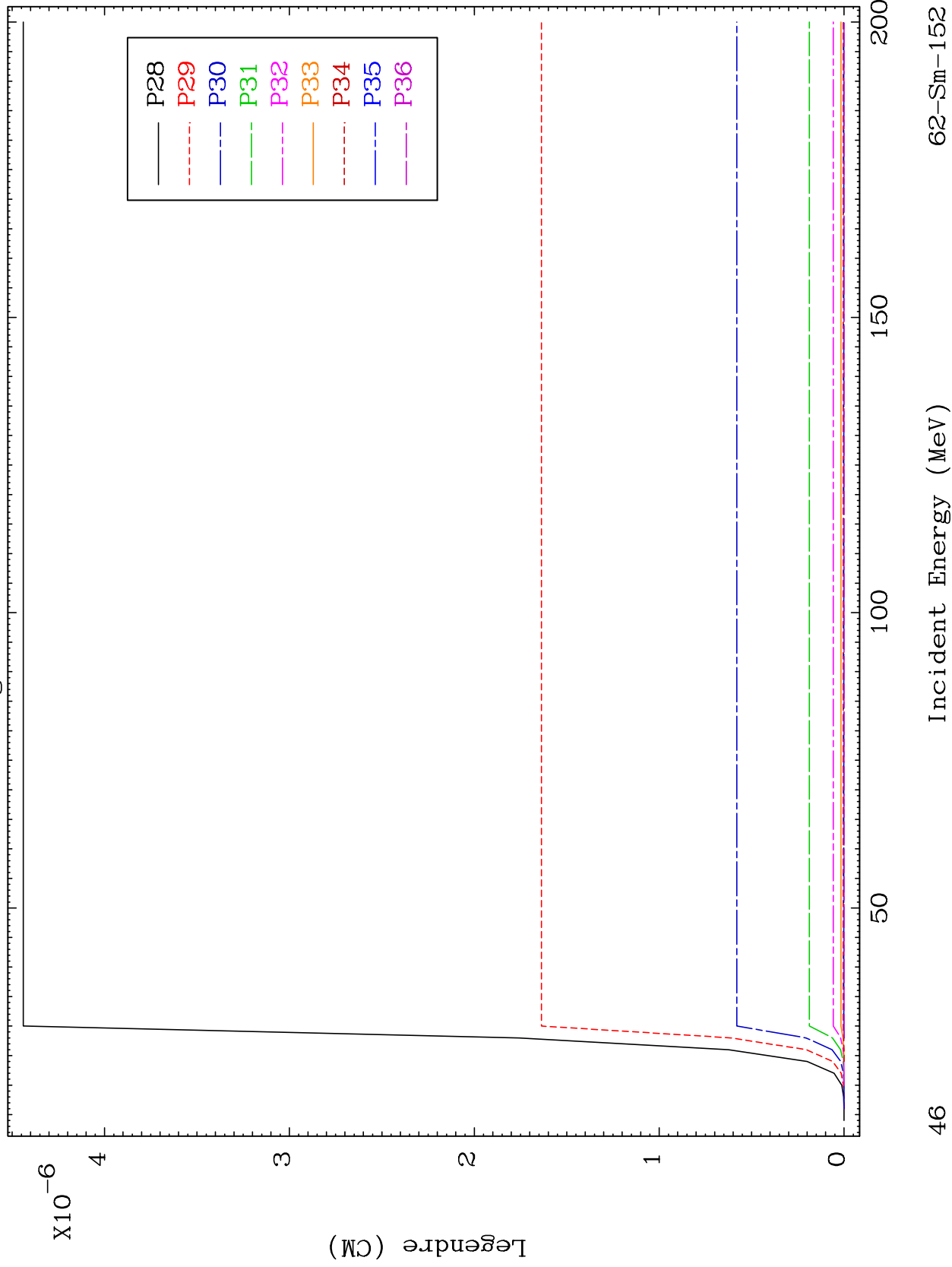
Incident Energy (MeV)

62-Sm-152

MAT 6249

1.023 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



46

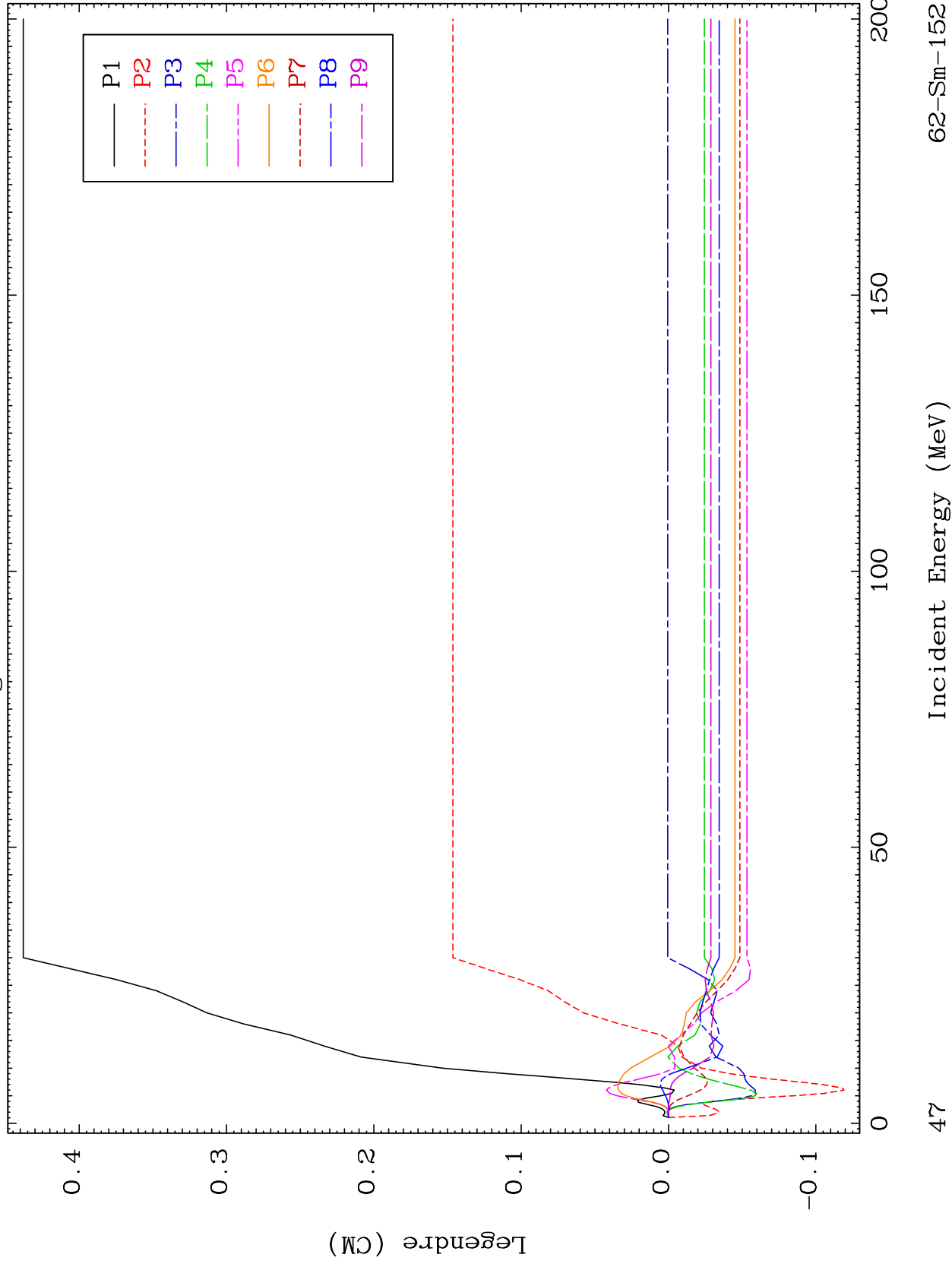
Incident Energy (MeV)

62-Sm-152

MAT 6249

1.041 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



62-Sm-152

Incident Energy (MeV)

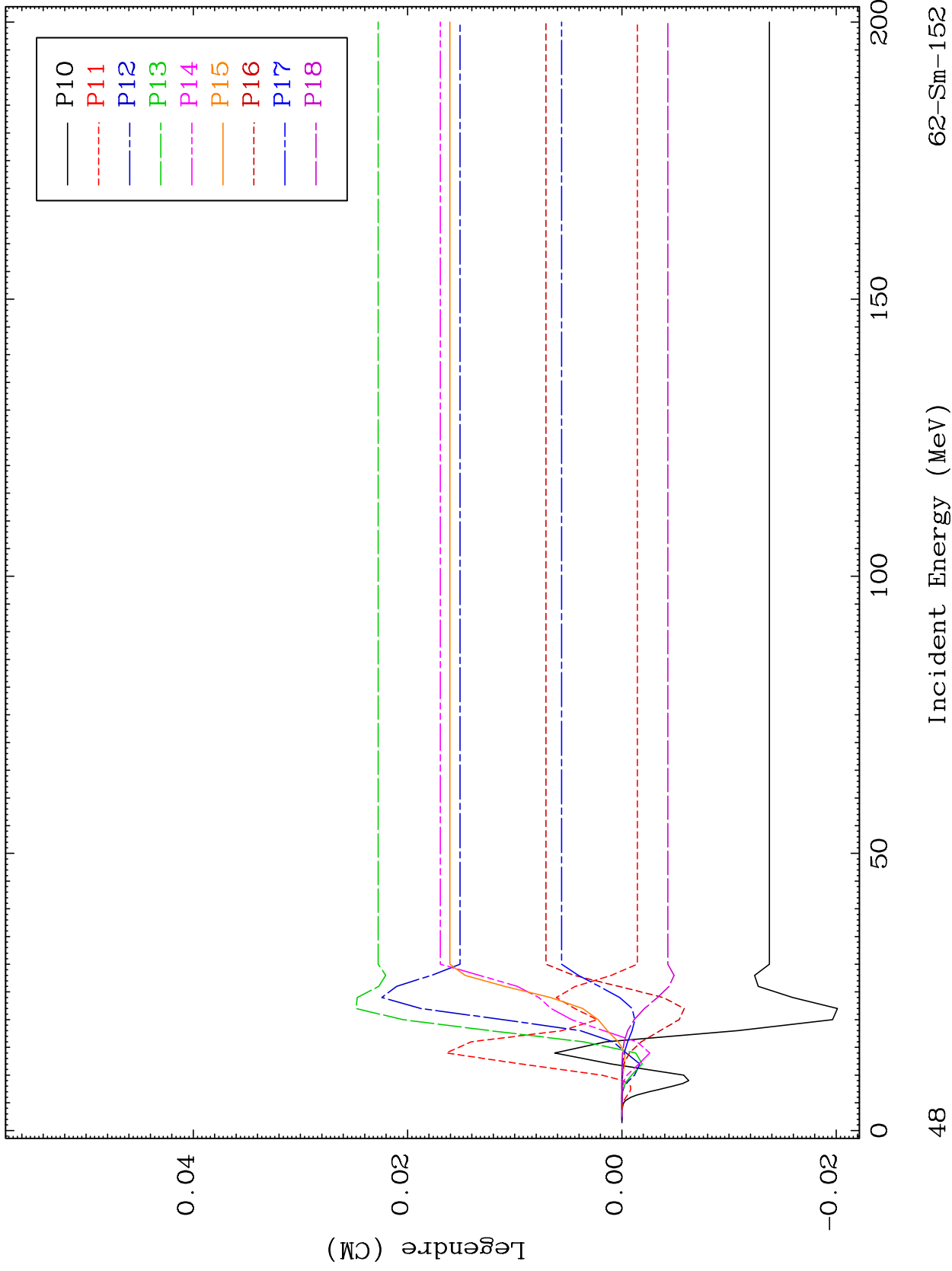
47



MAT 6249

1.041 MeV (n,n') Level  
Legendre Coefficients

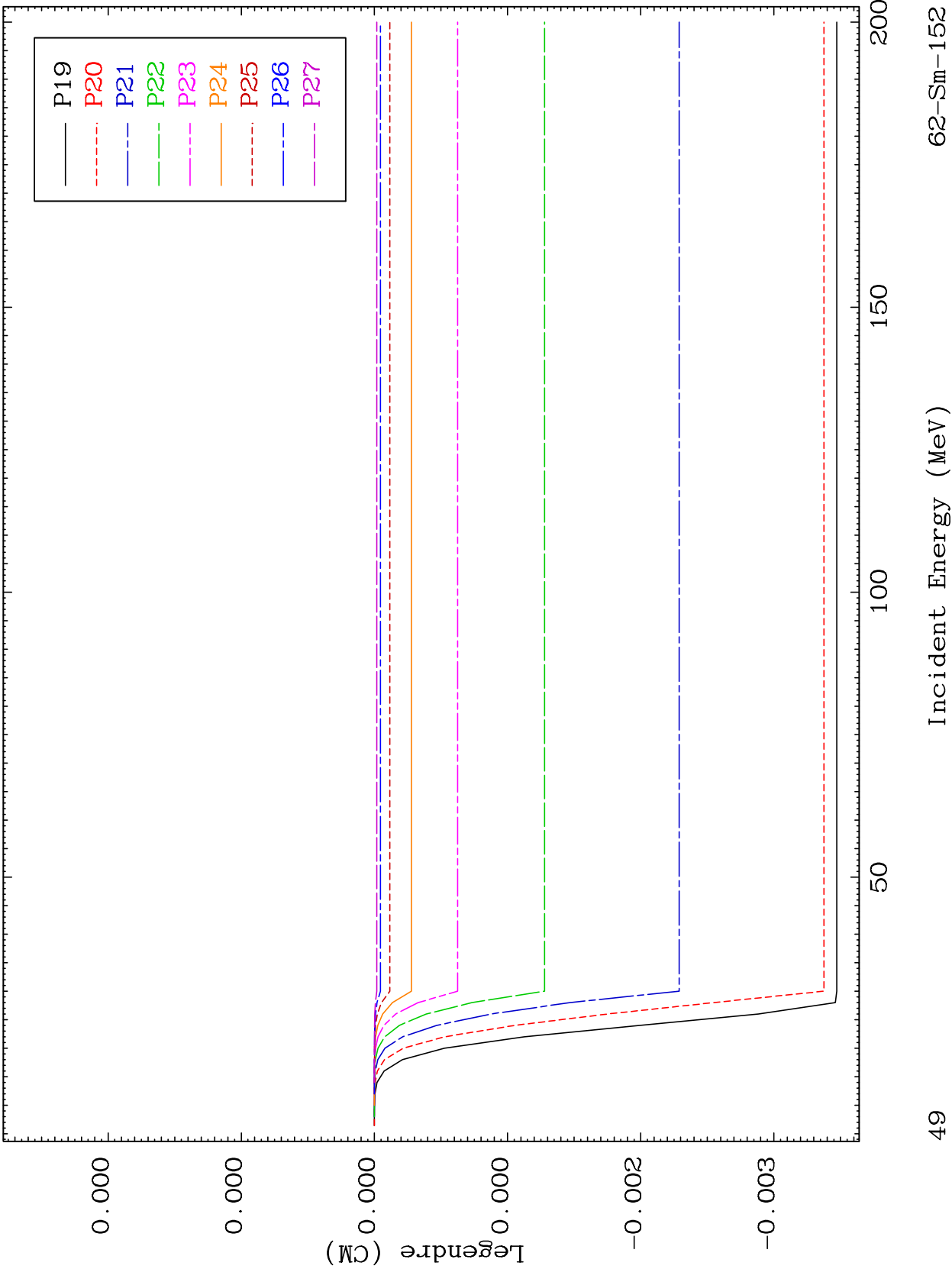
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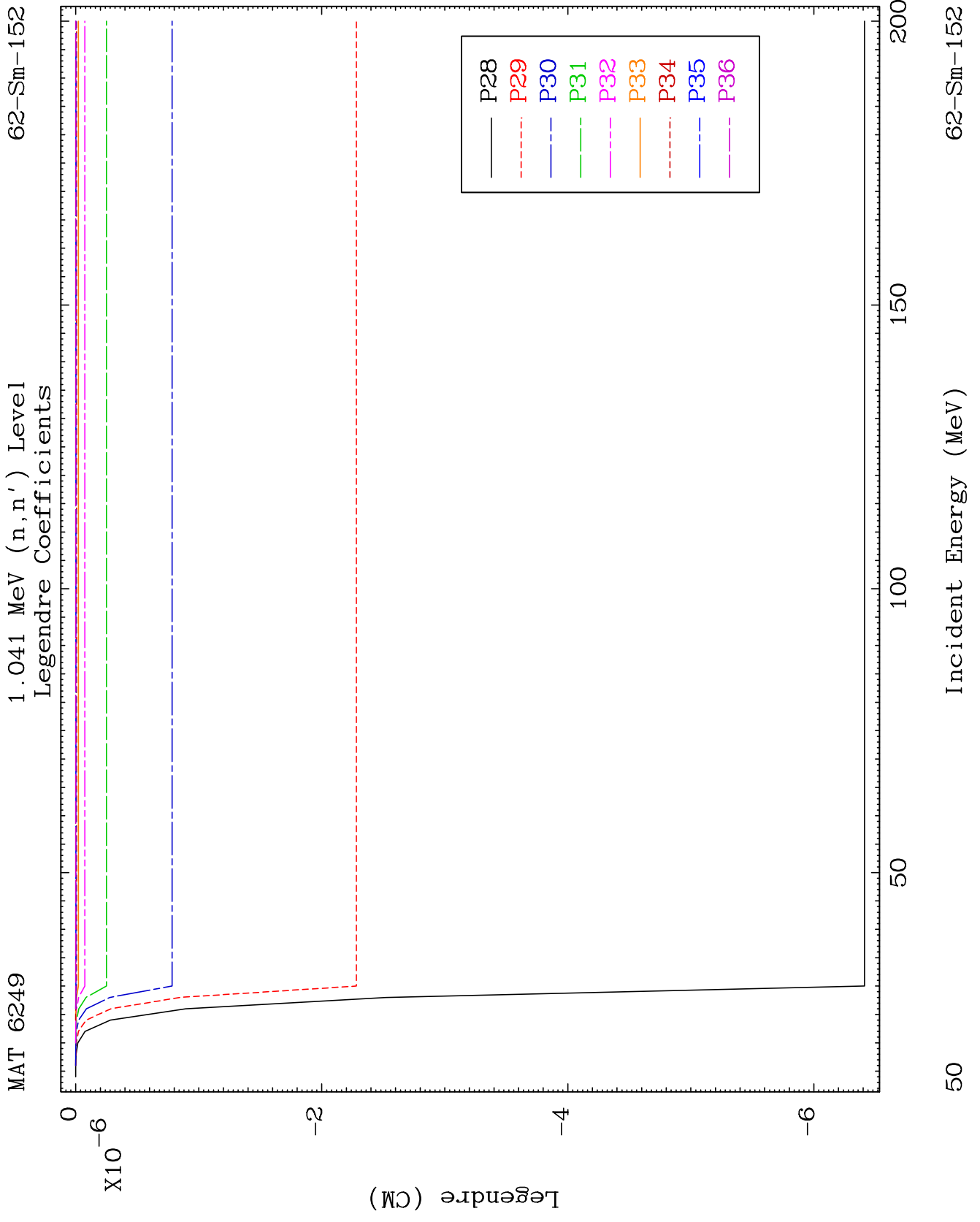


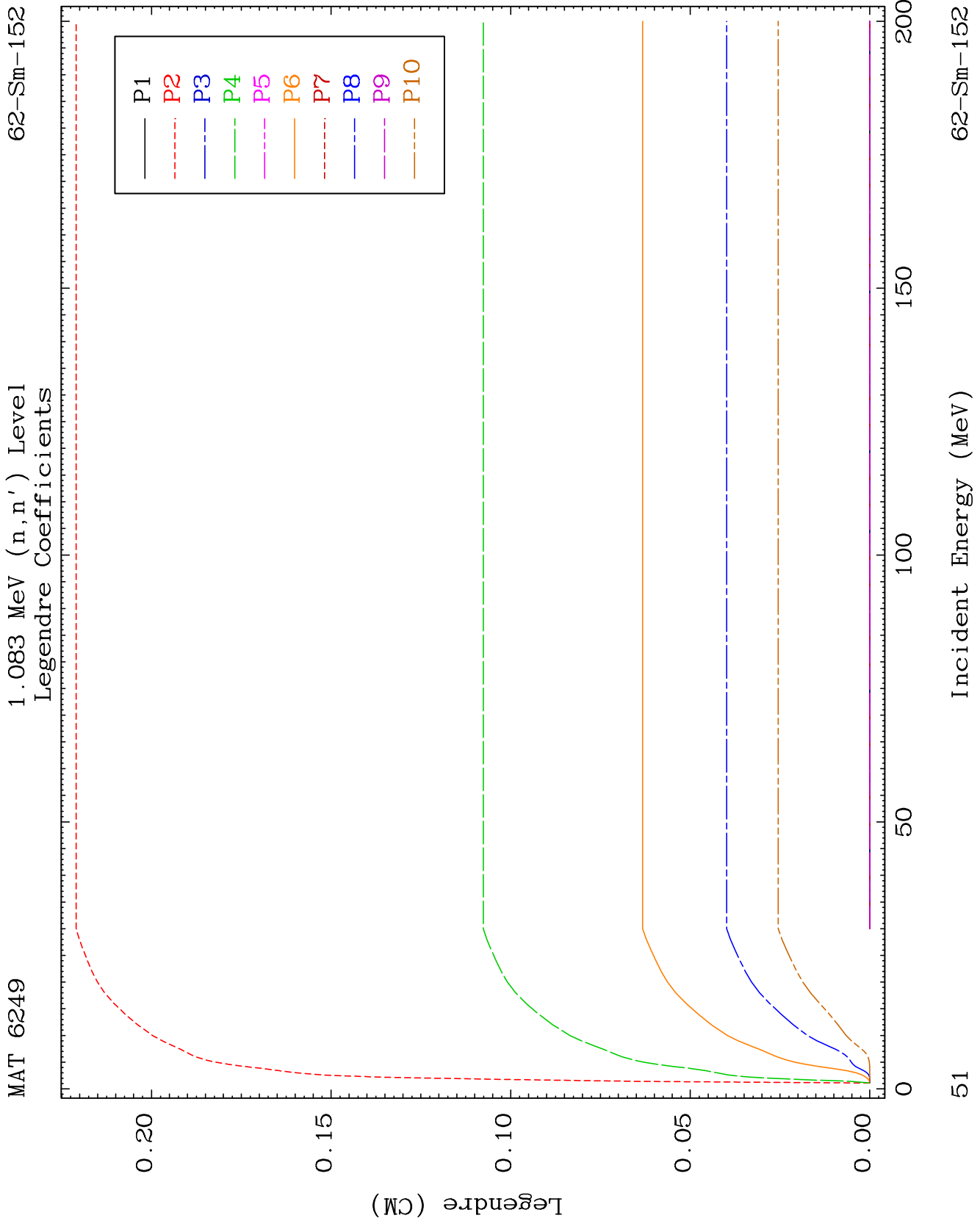
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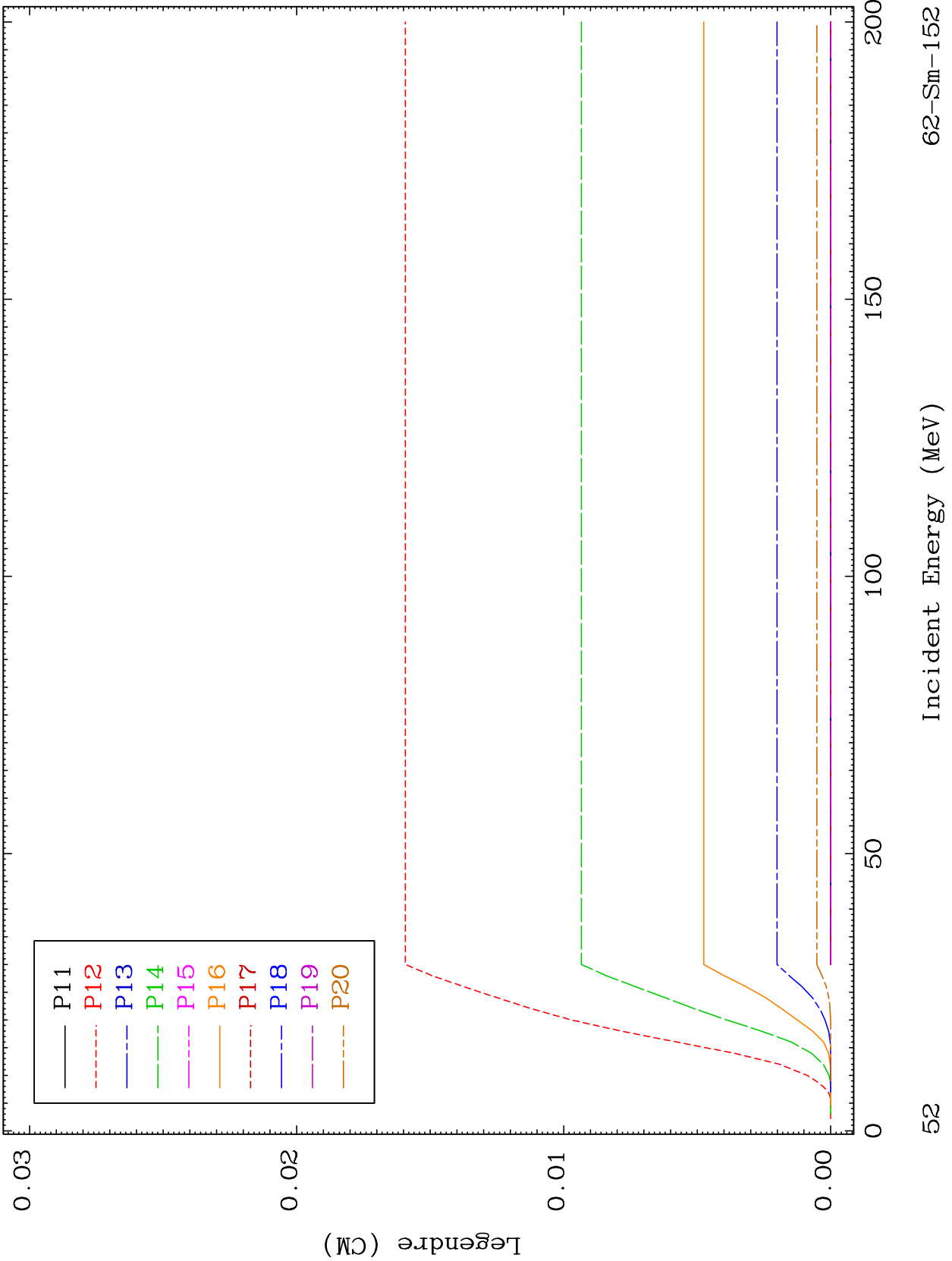
Incident Energy (MeV)

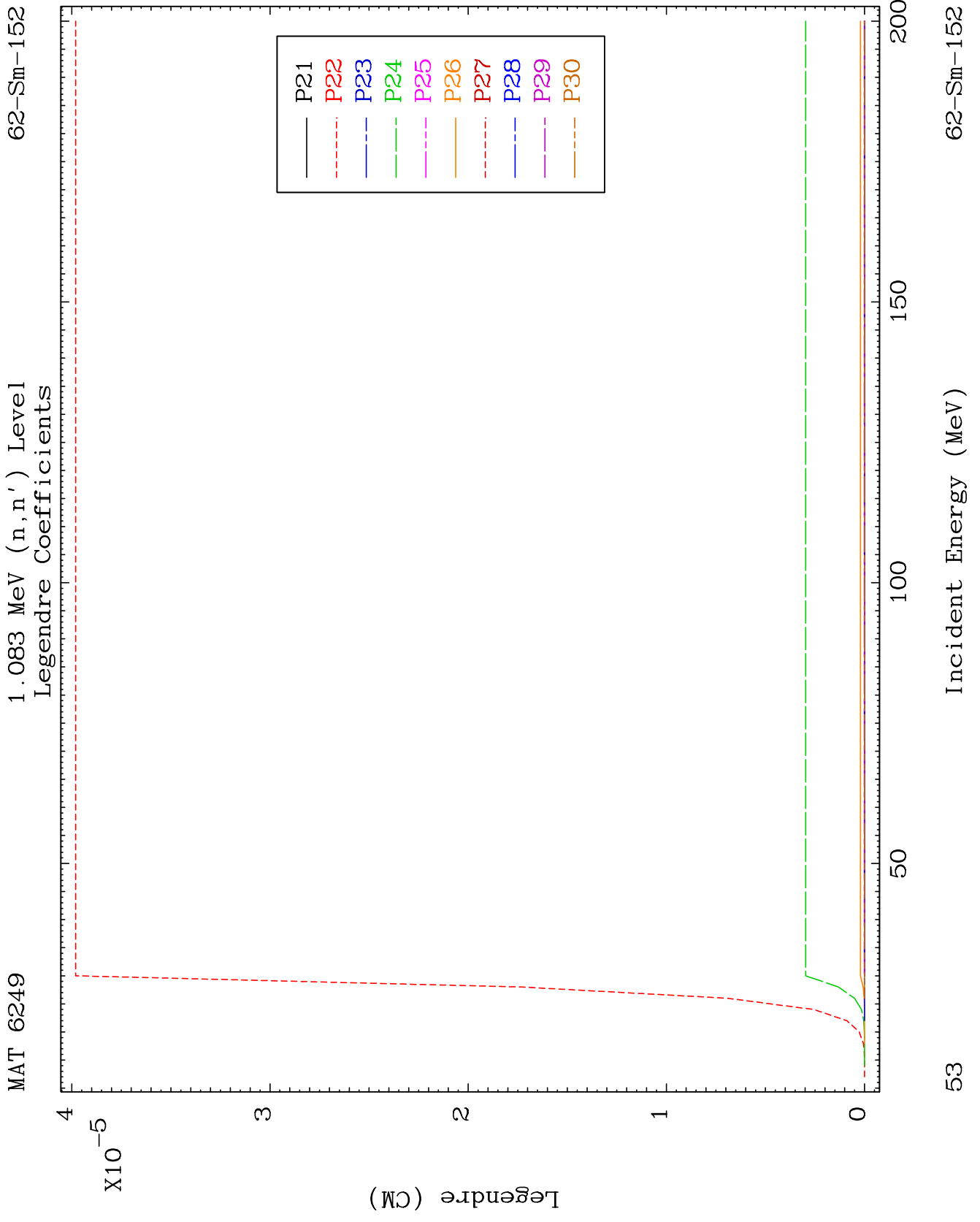
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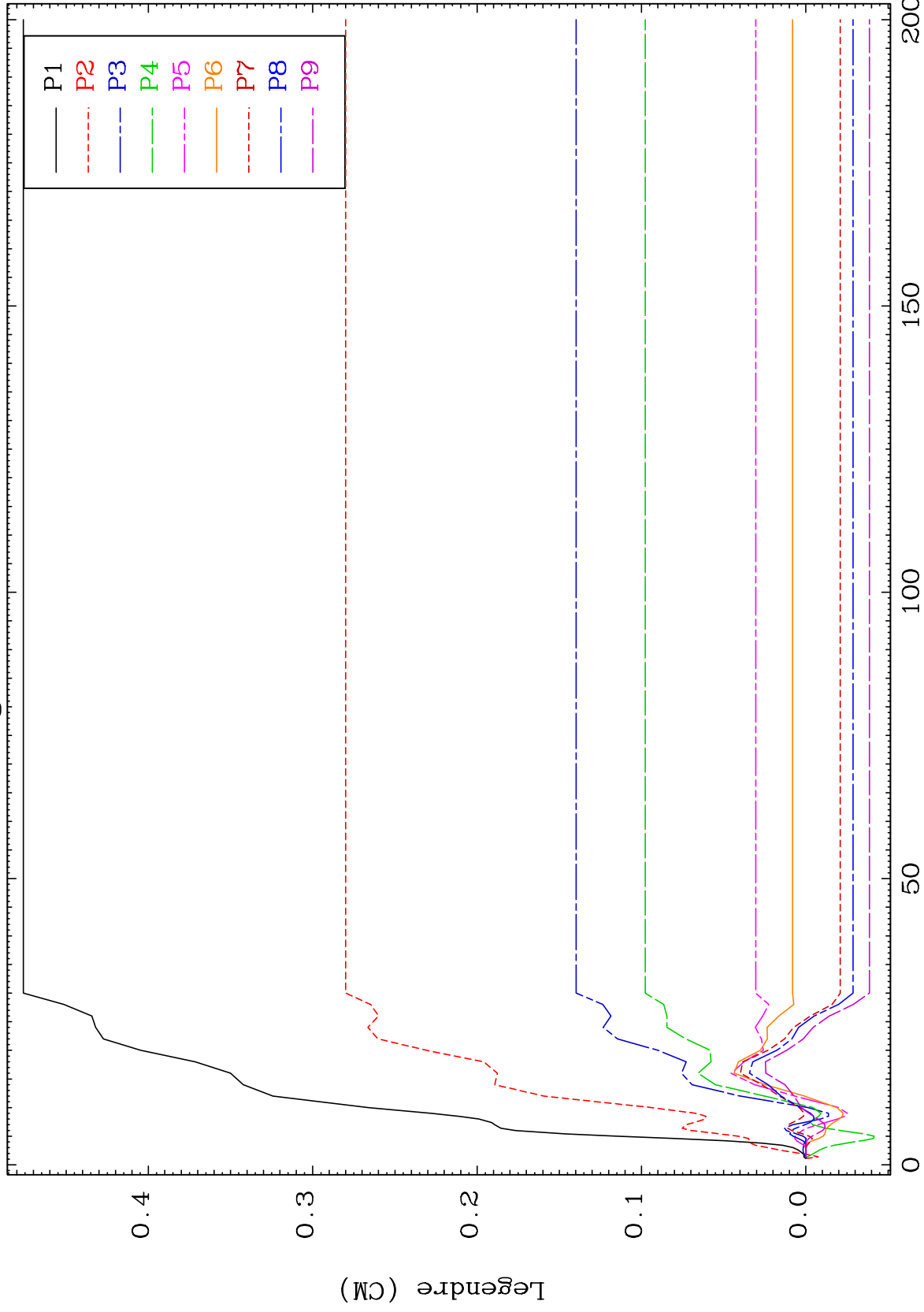




MAT 6249

1.086 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



54

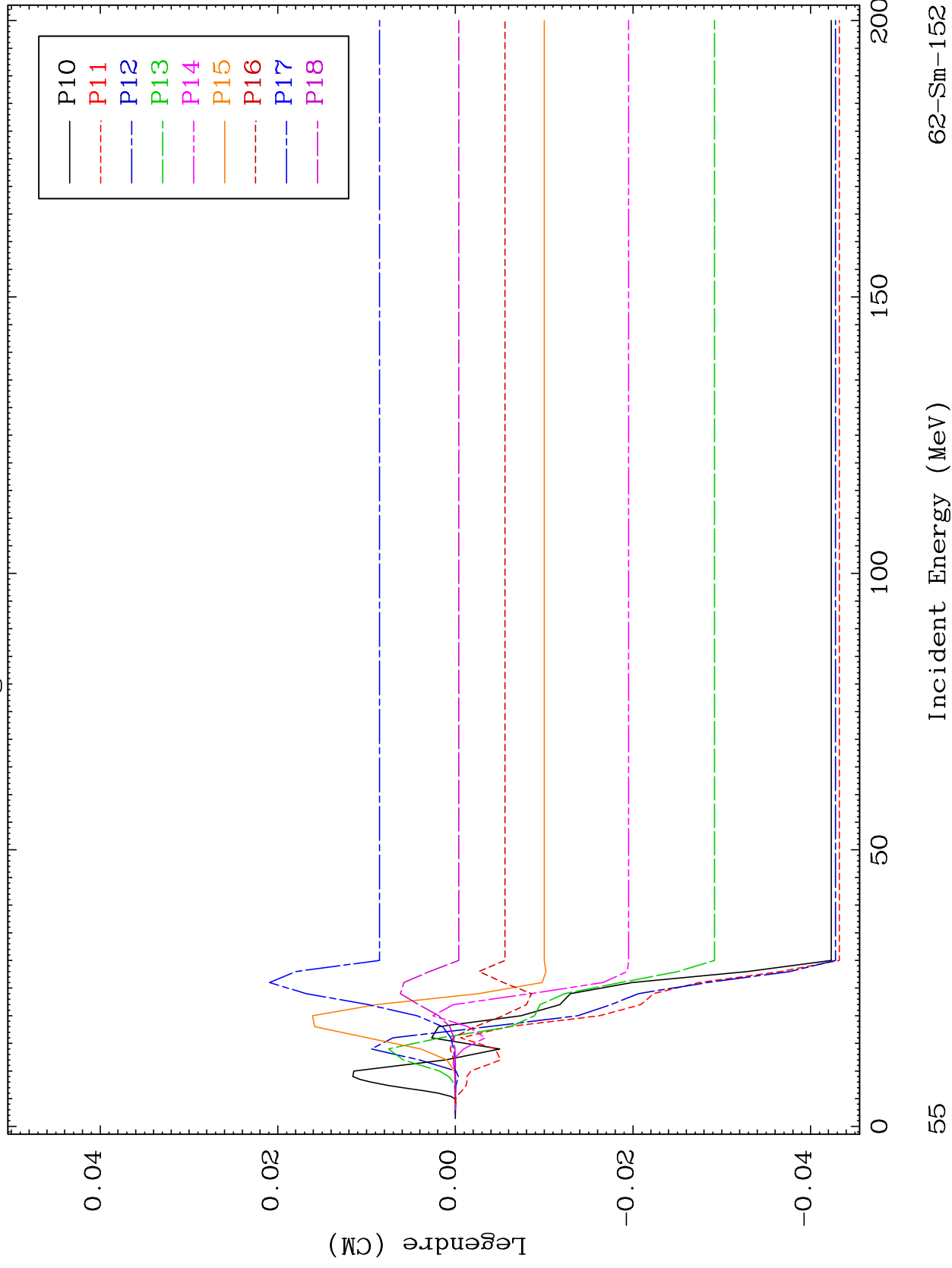
Incident Energy (MeV)

62-Sm-152

MAT 6249

1.086 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152

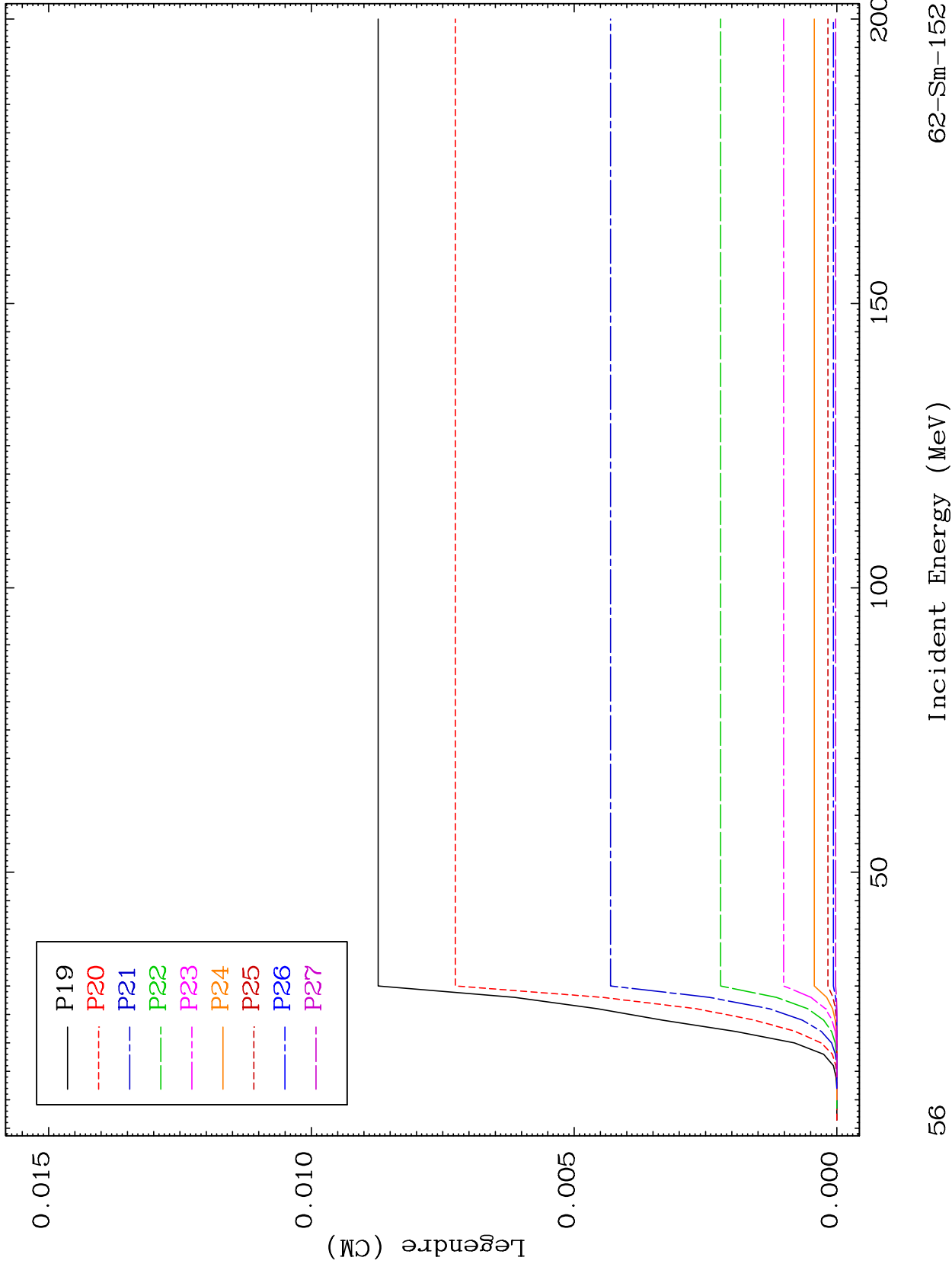


62-Sm-152

Incident Energy (MeV)

55

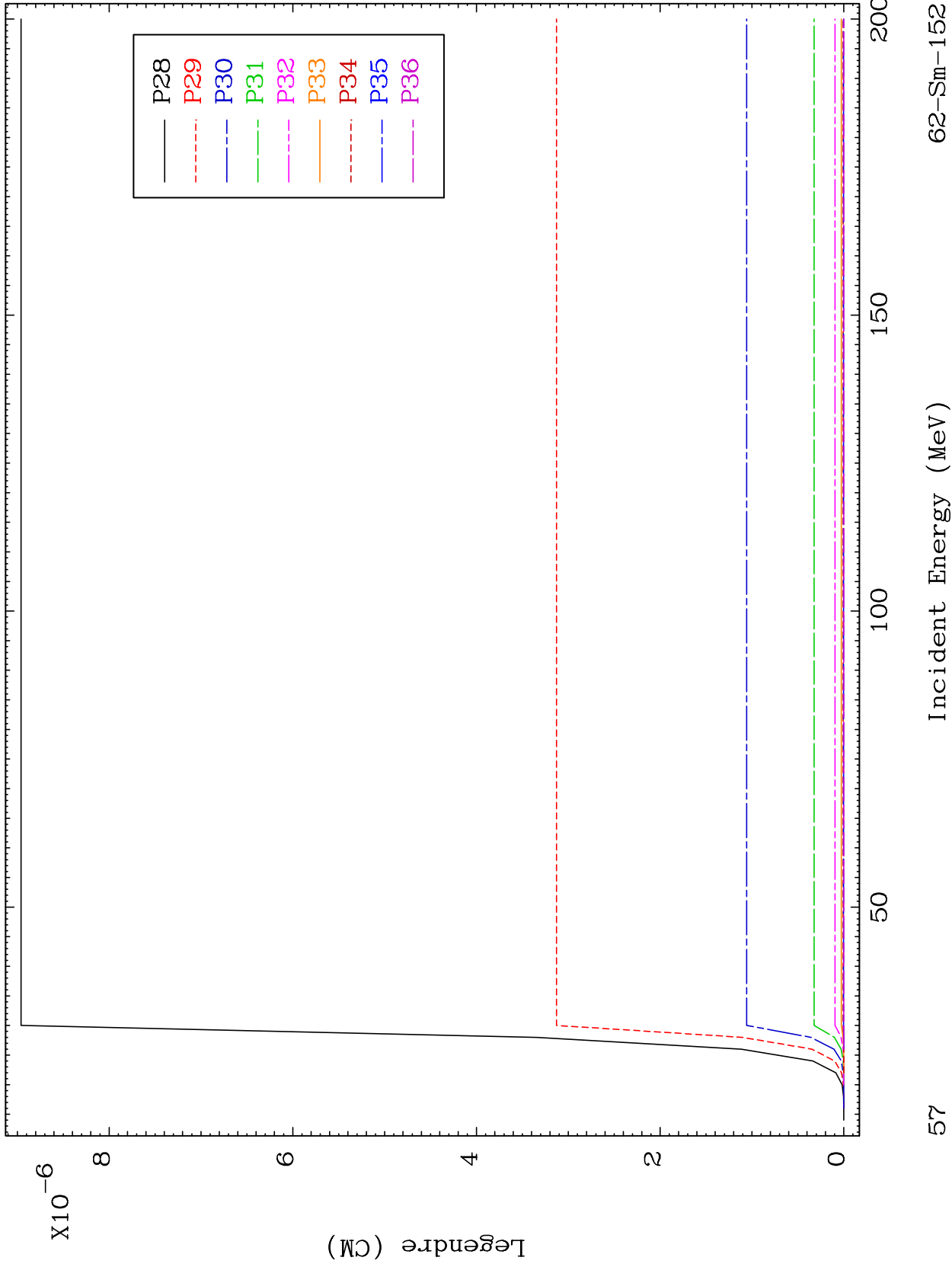




MAT 6249

1.086 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



57

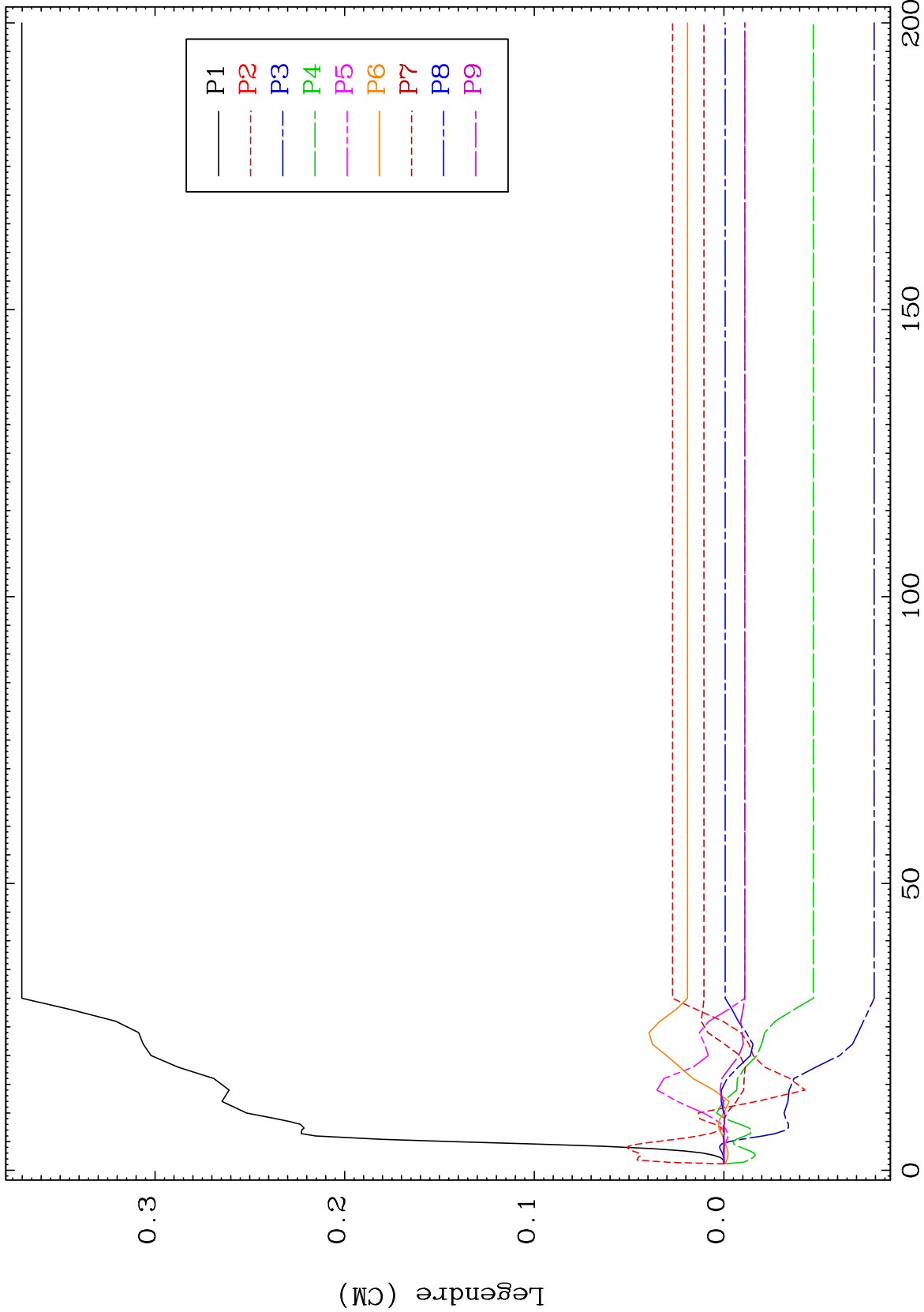
Incident Energy (MeV)

62-Sm-152

MAT 6249

1.125 MeV (n,n') Level  
Legendre Coefficients

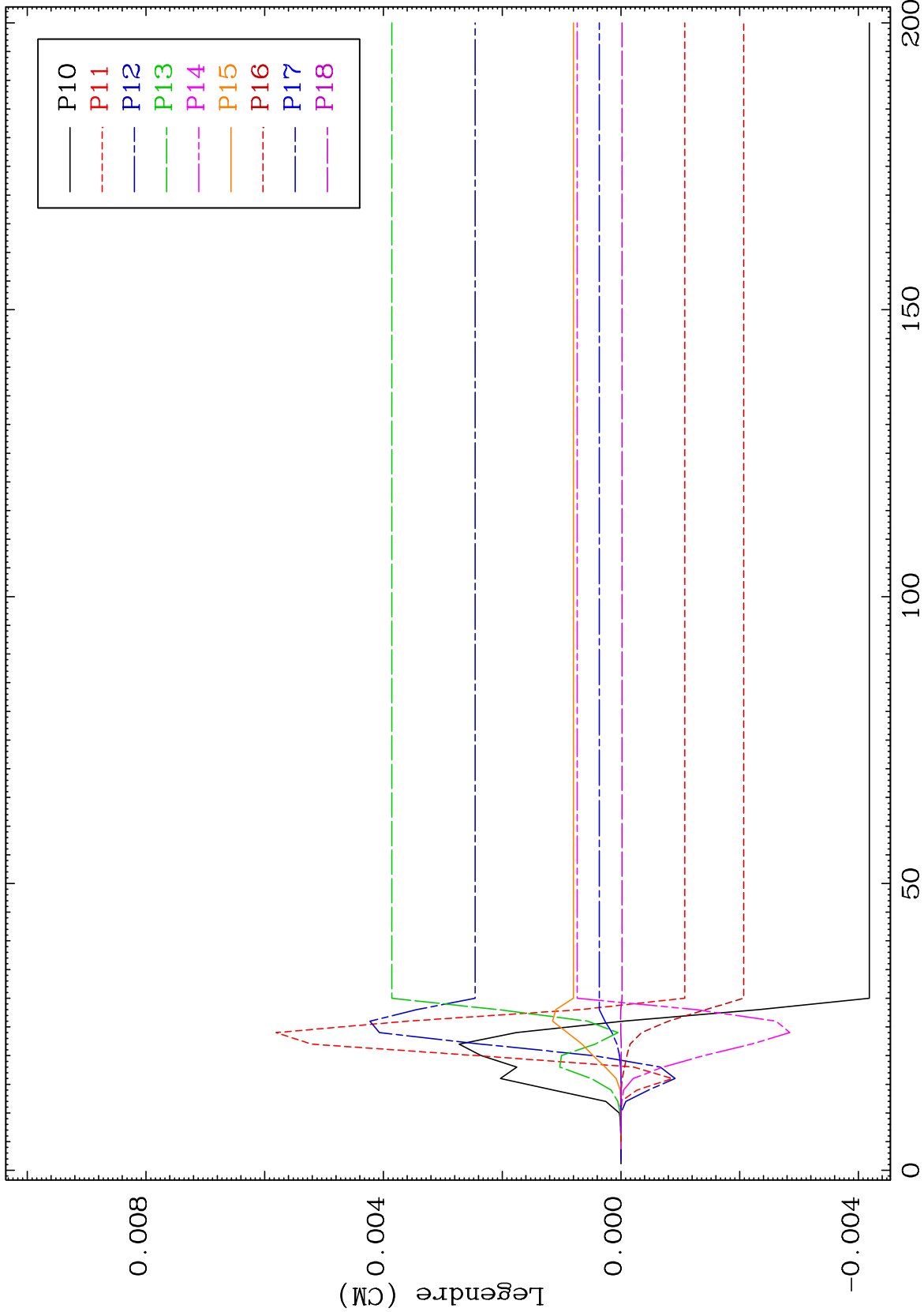
62-Sm-152



58

Incident Energy (MeV)

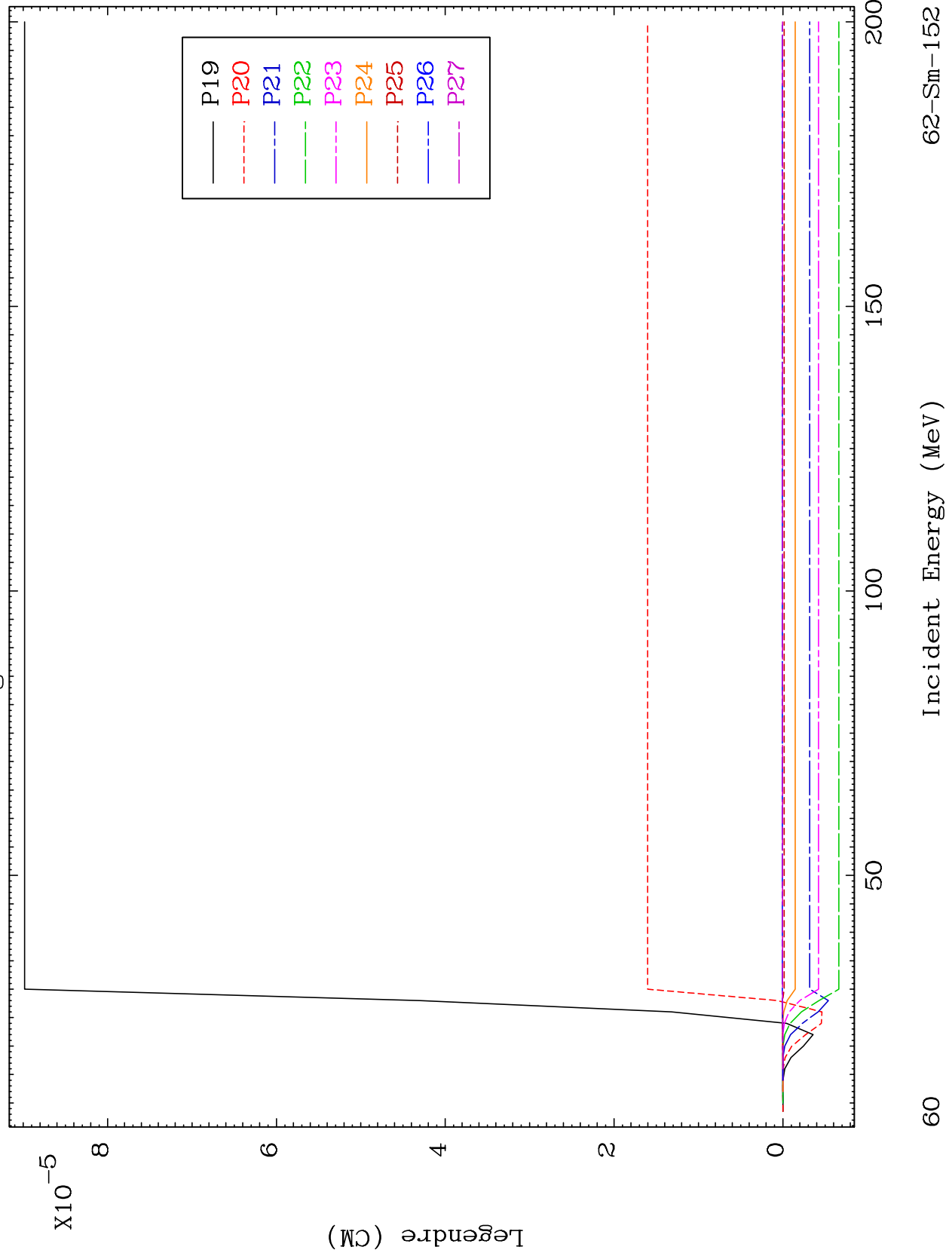
62-Sm-152



MAT 6249

1.125 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



62-Sm-152

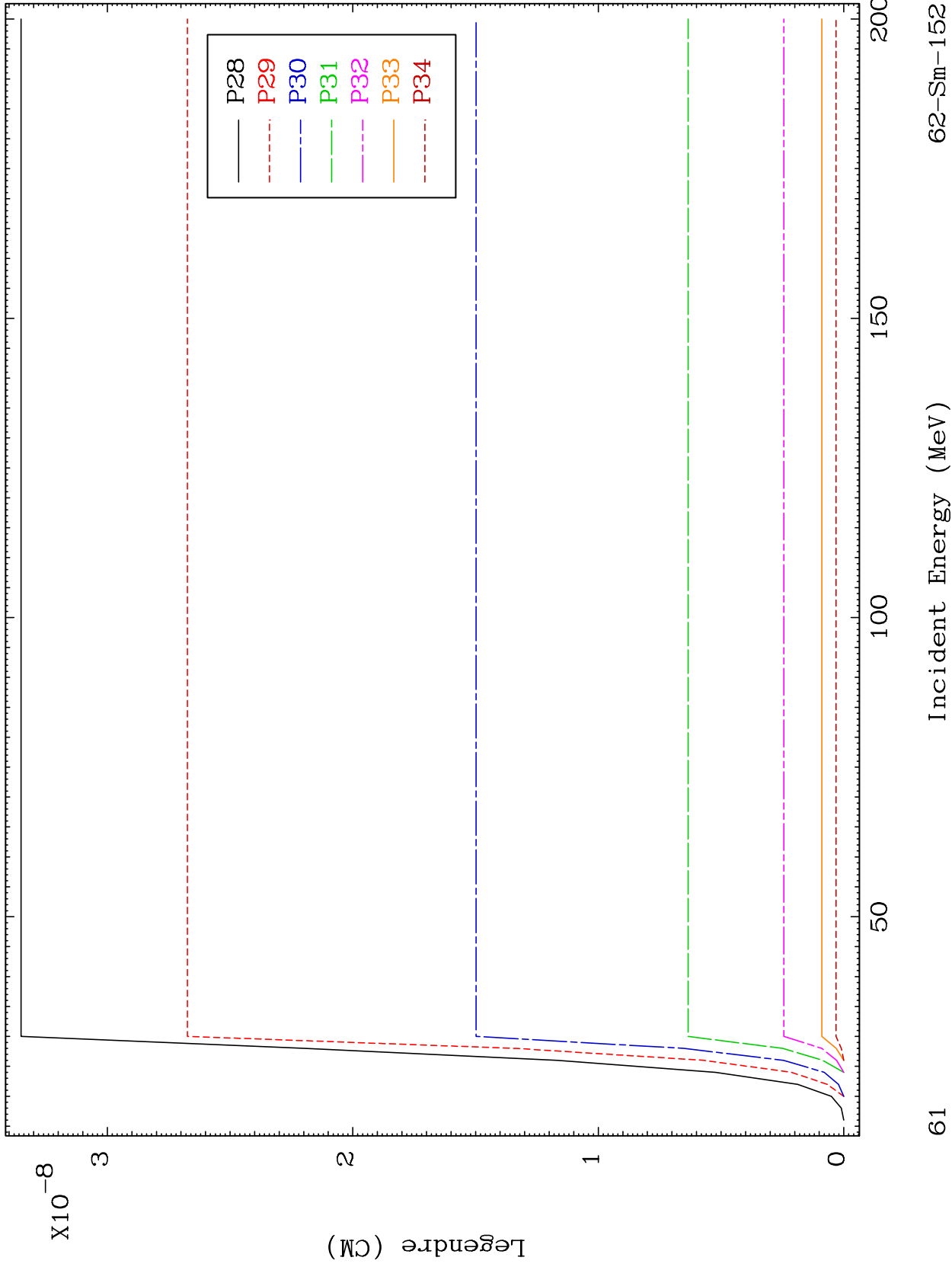
Incident Energy (MeV)

60

MAT 6249

1.125 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152

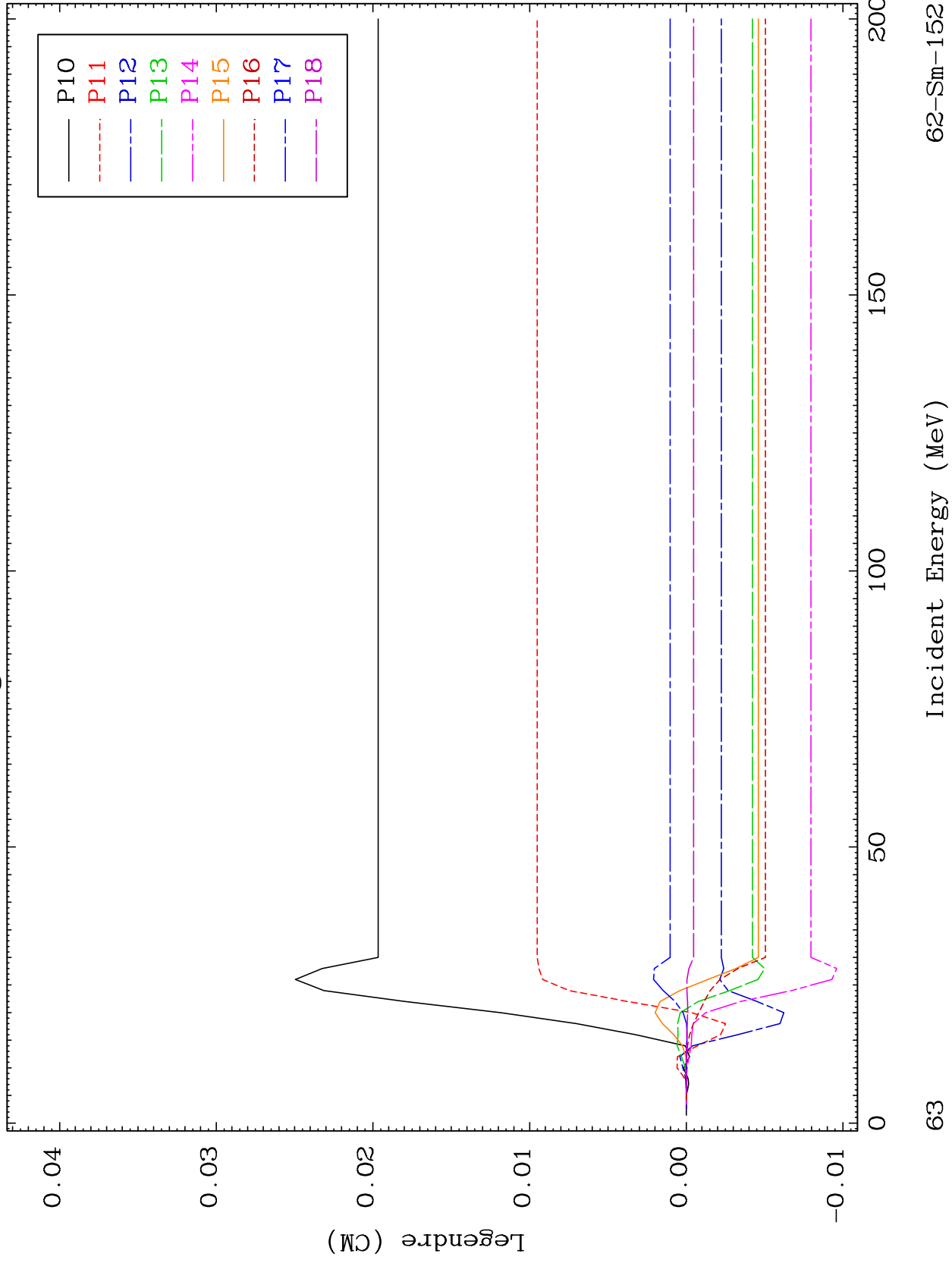




MAT 6249

1.221 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



63

Incident Energy (MeV)

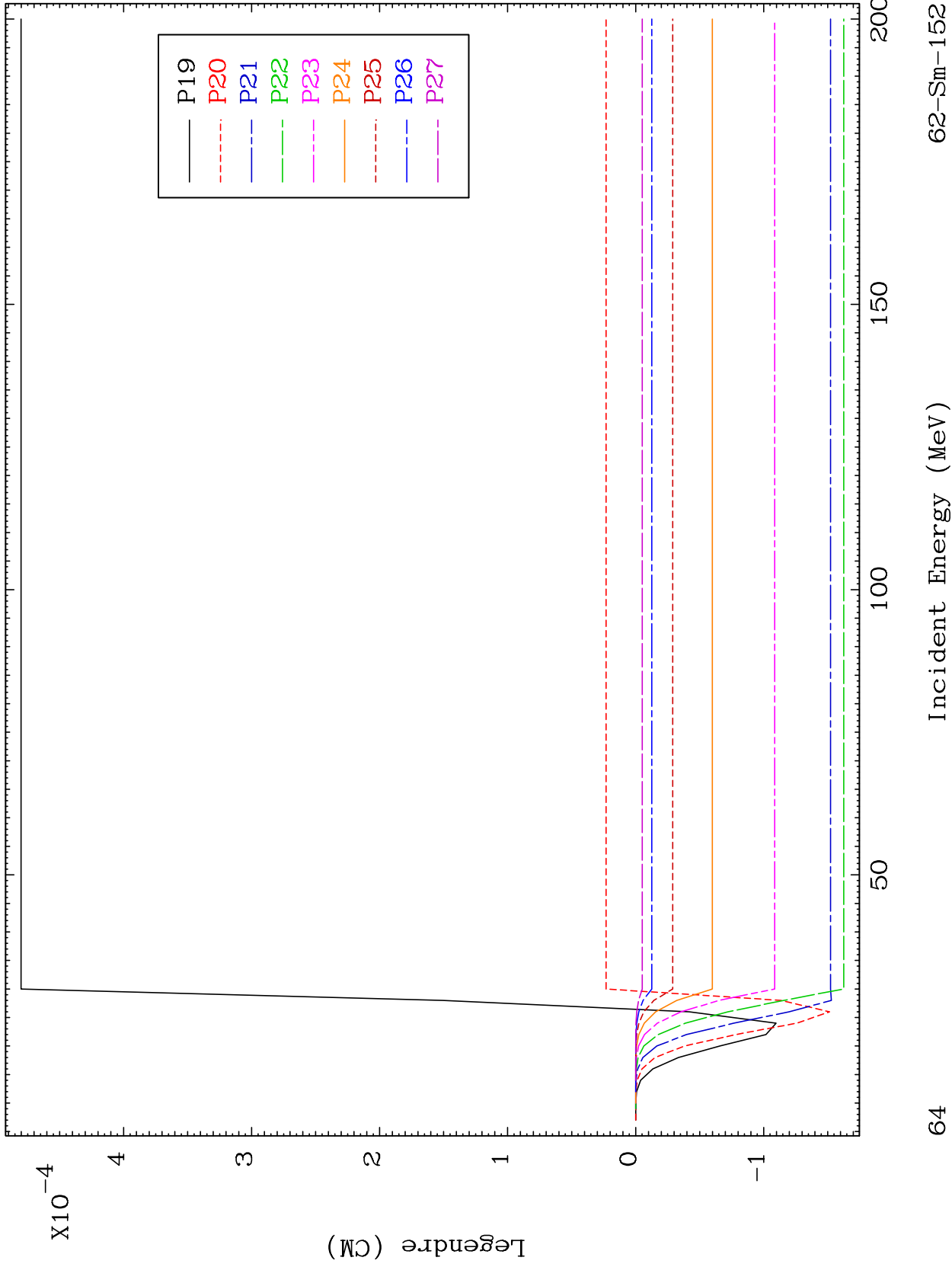
62-Sm-152



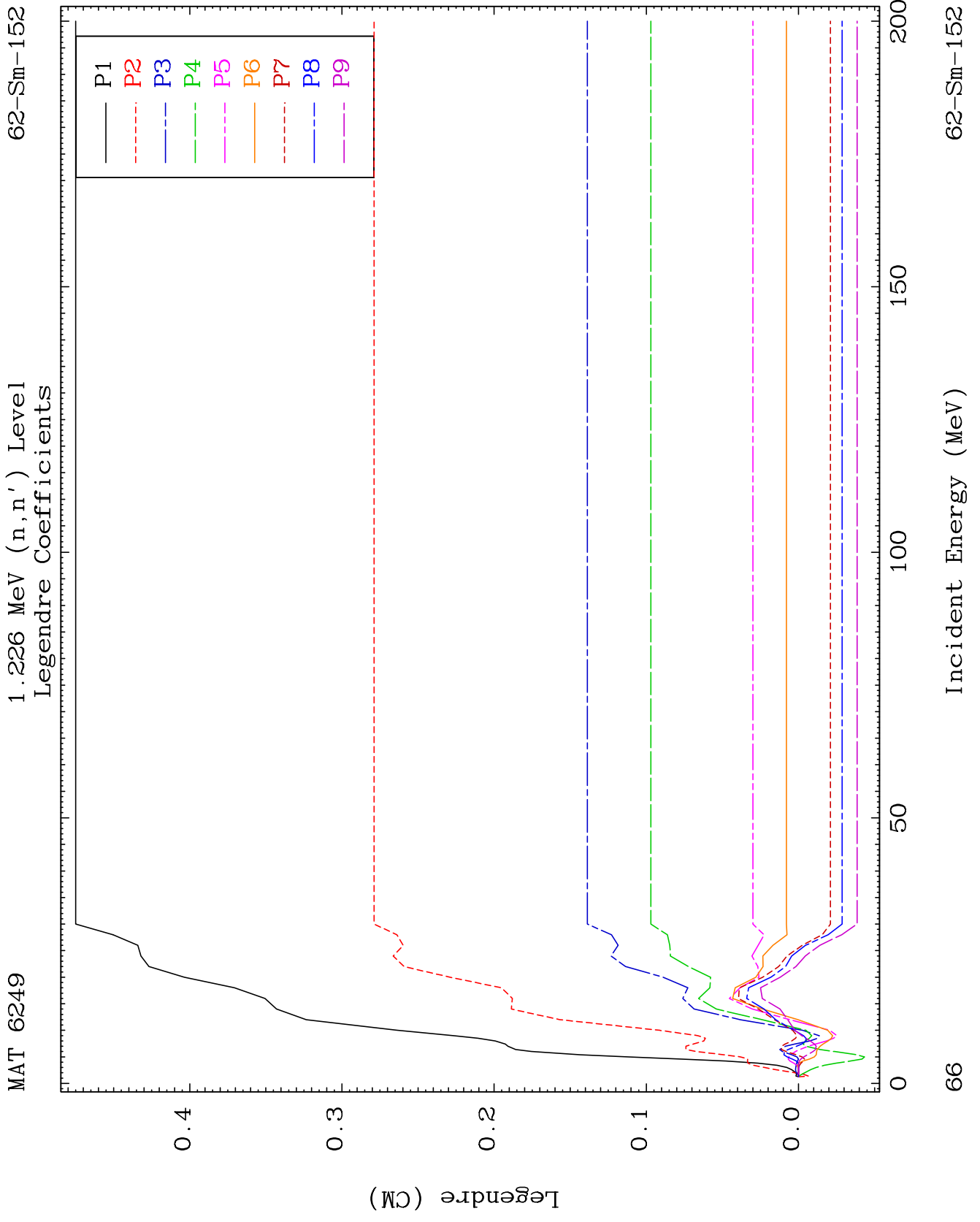
MAT 6249

1.221 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



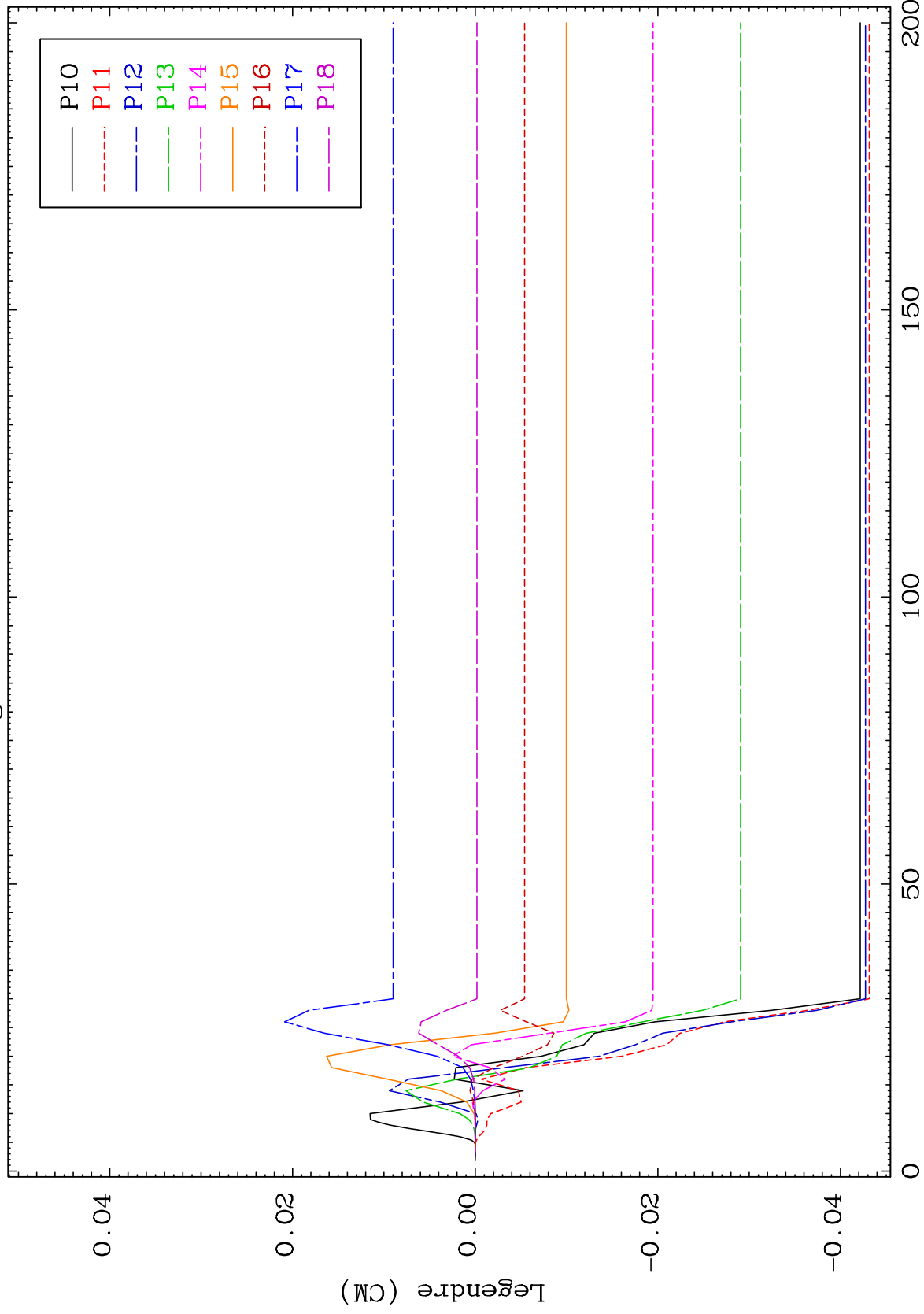




MAT 6249

1.226 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



67

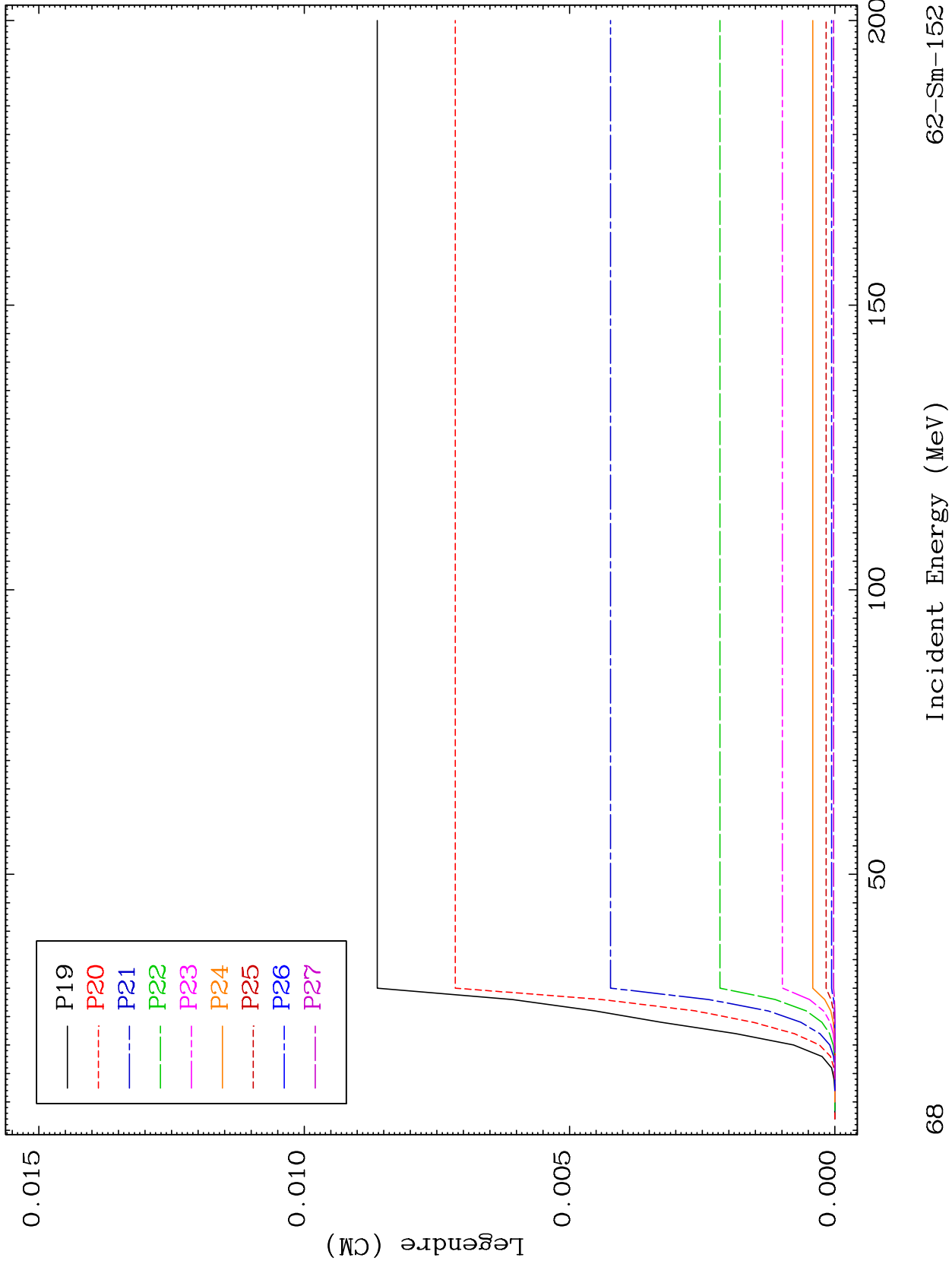
Incident Energy (MeV)

62-Sm-152

MAT 6249

1.226 MeV (n,n') Level  
Legendre Coefficients

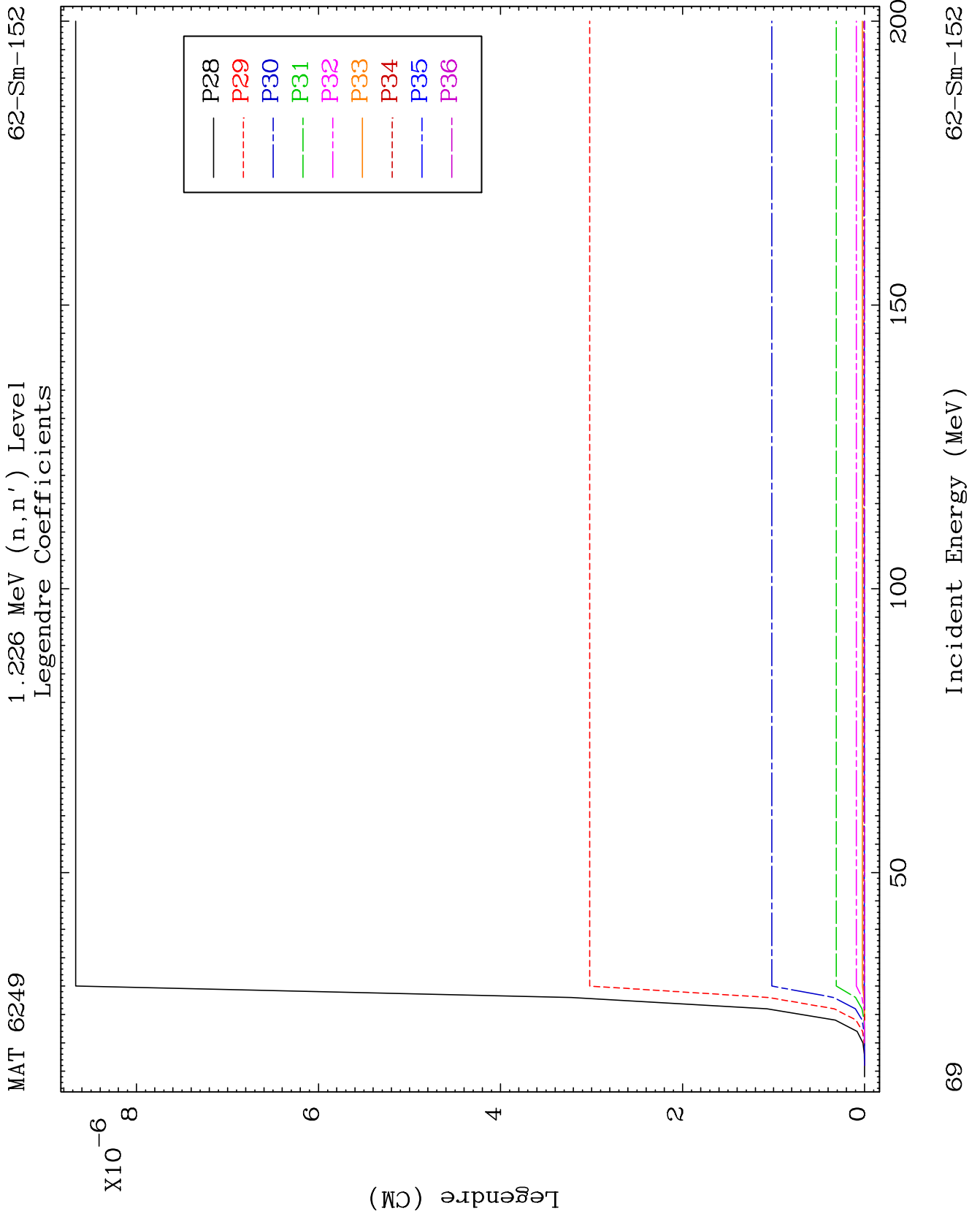
62-Sm-152

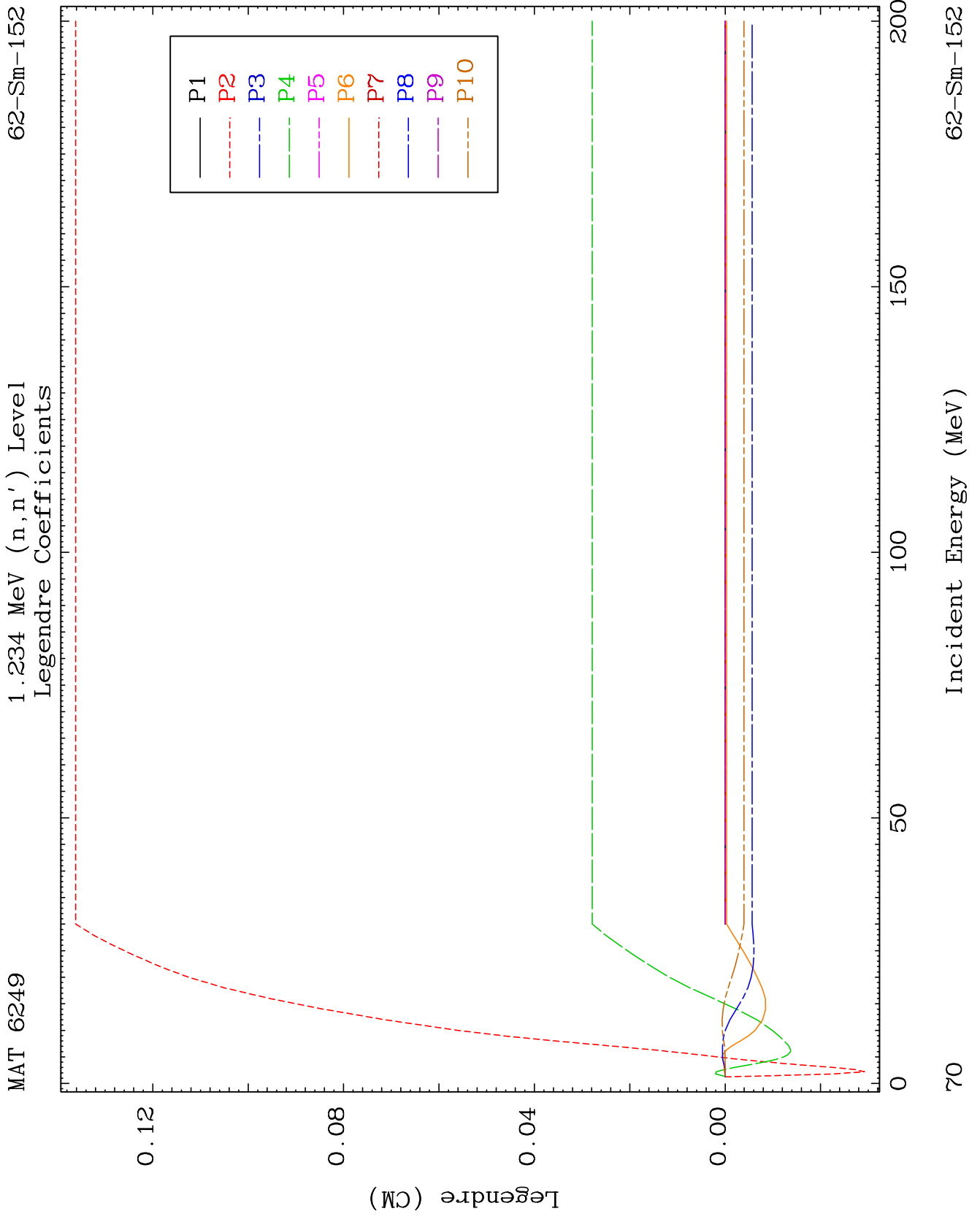


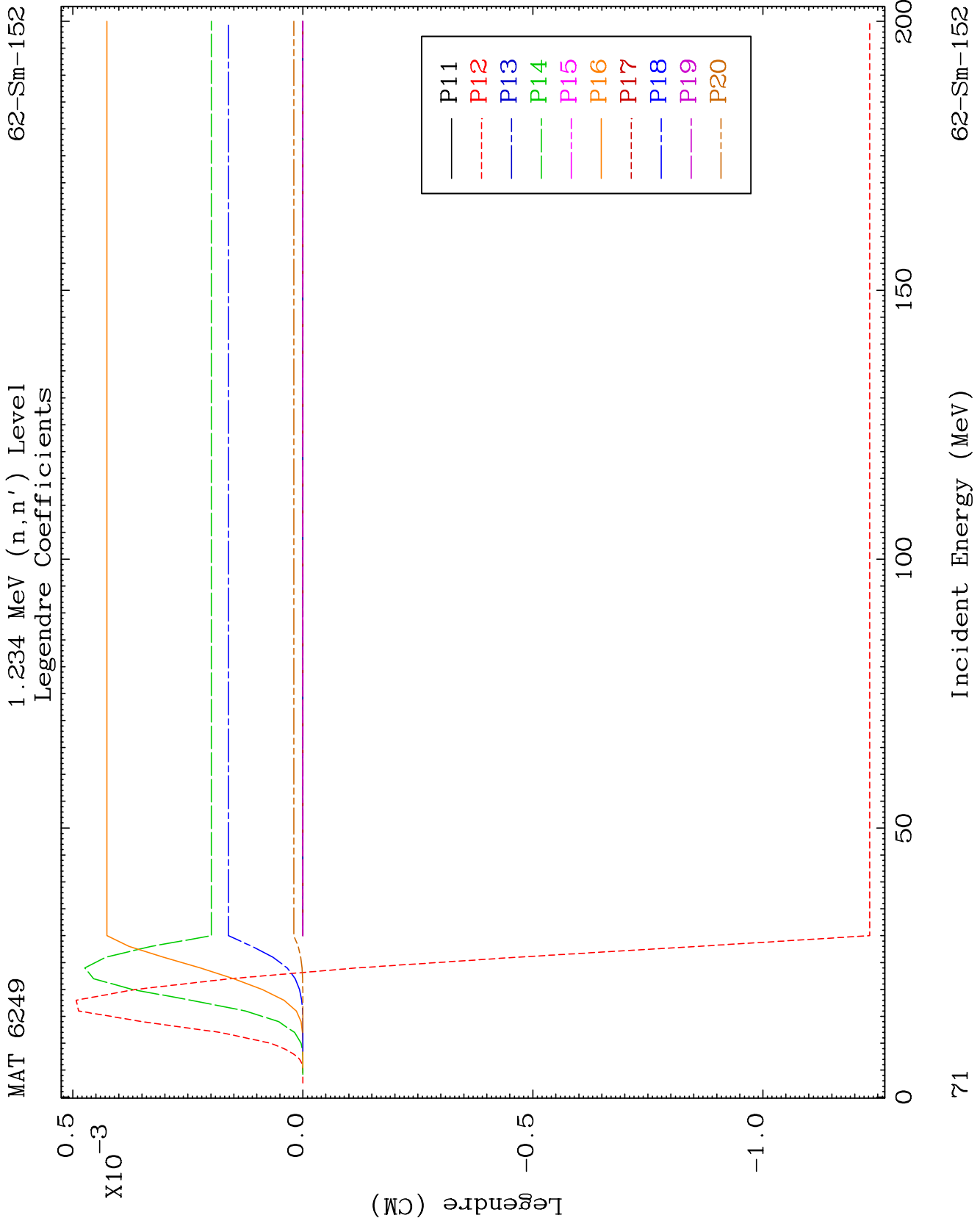
68

Incident Energy (MeV)

62-Sm-152

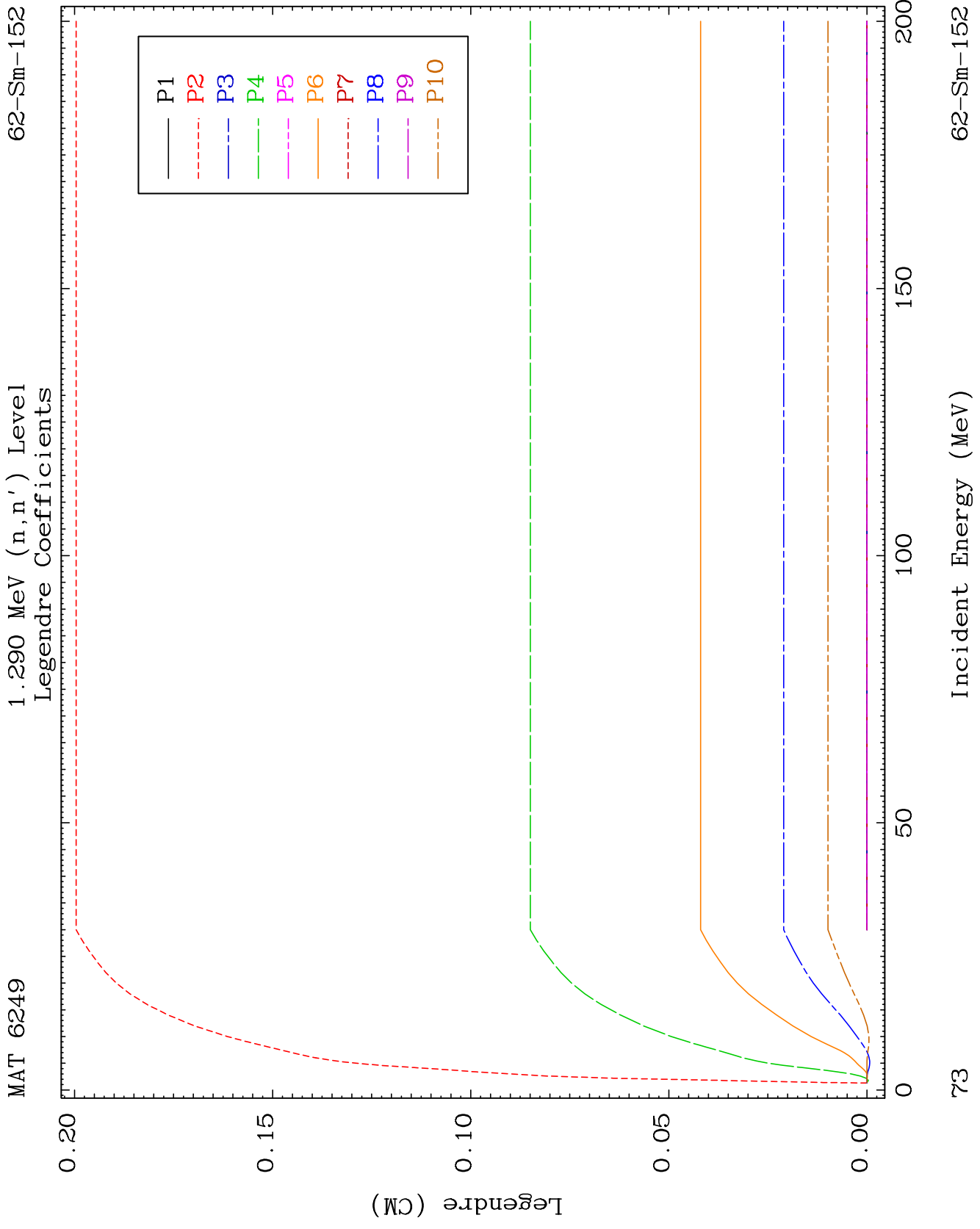


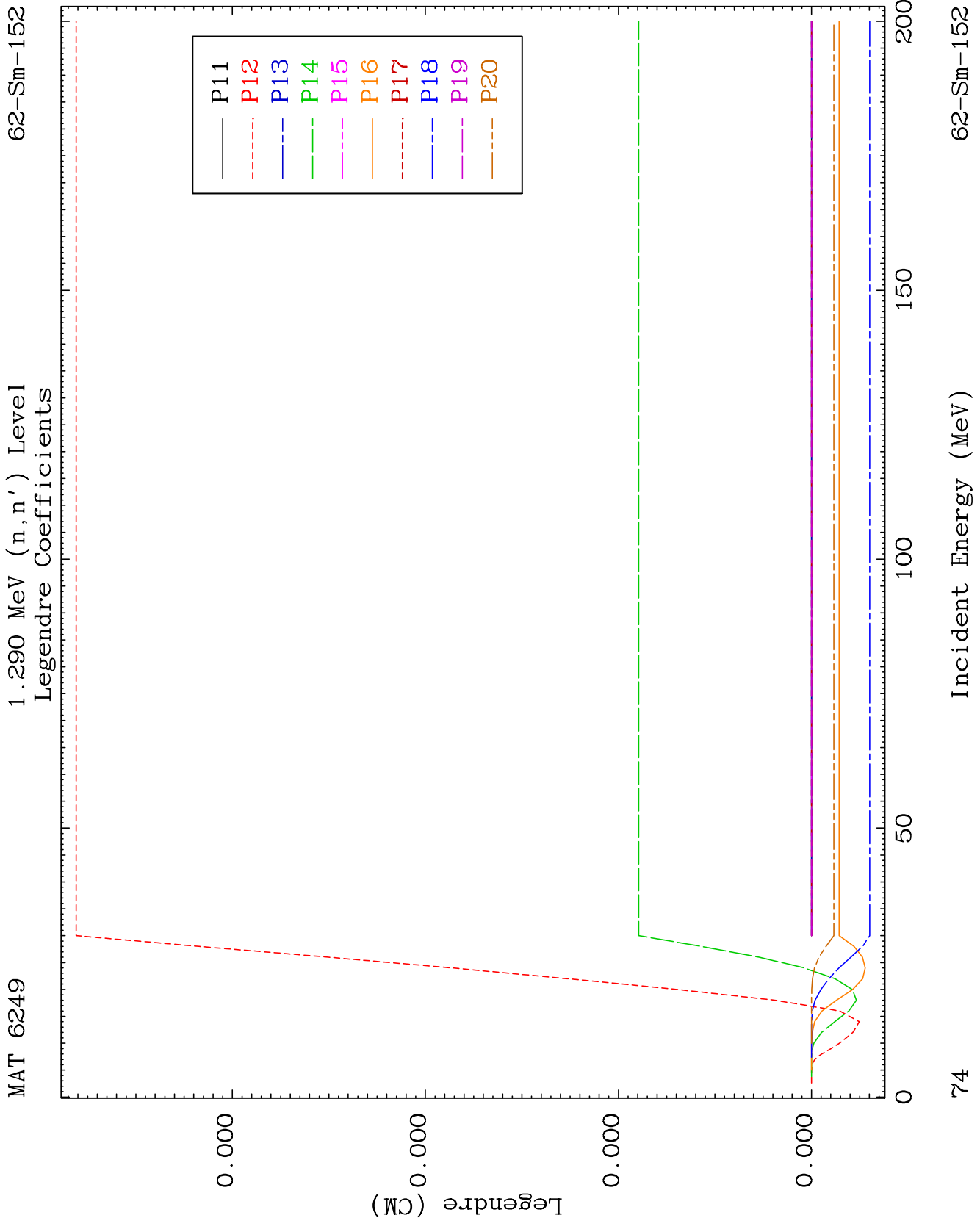




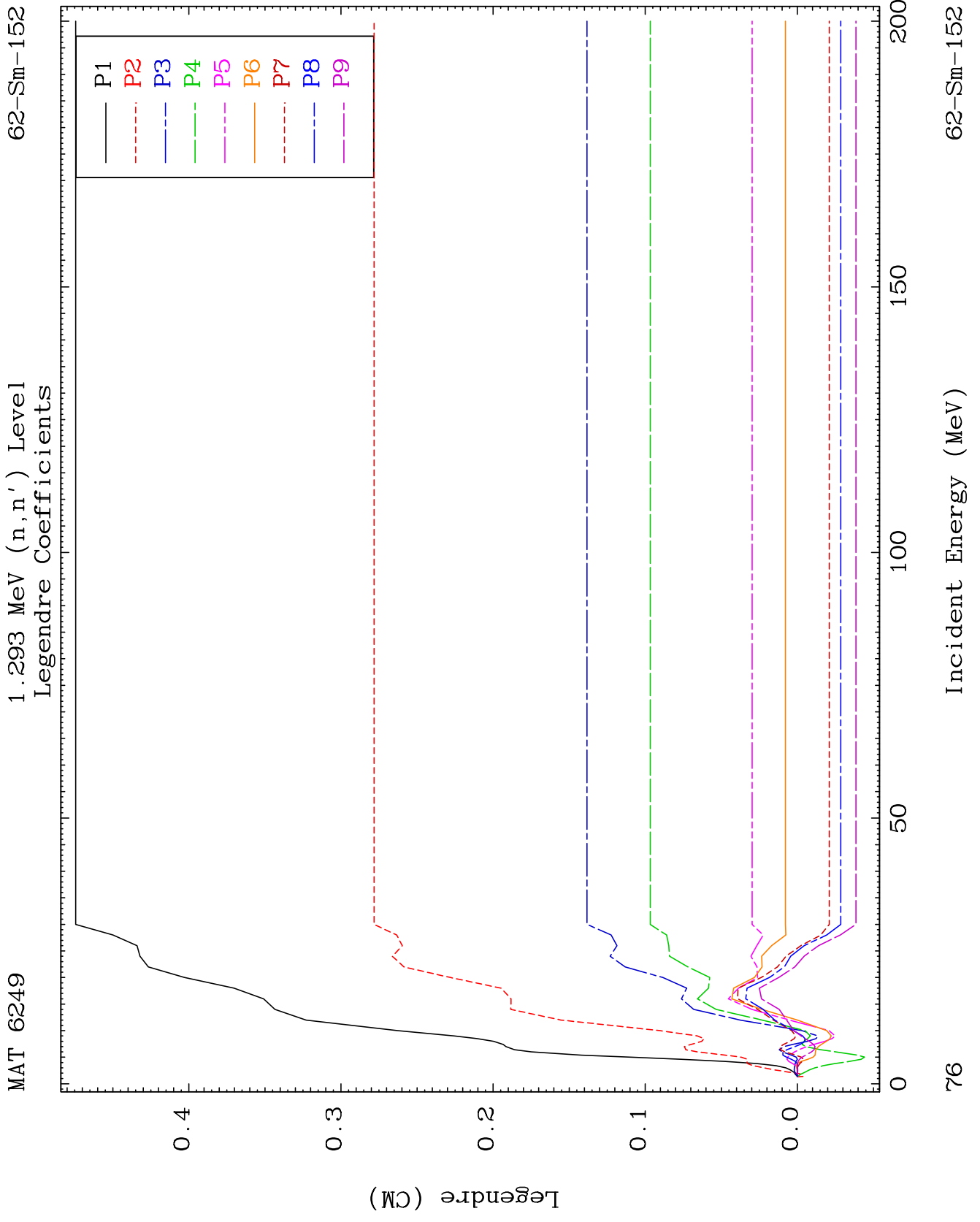








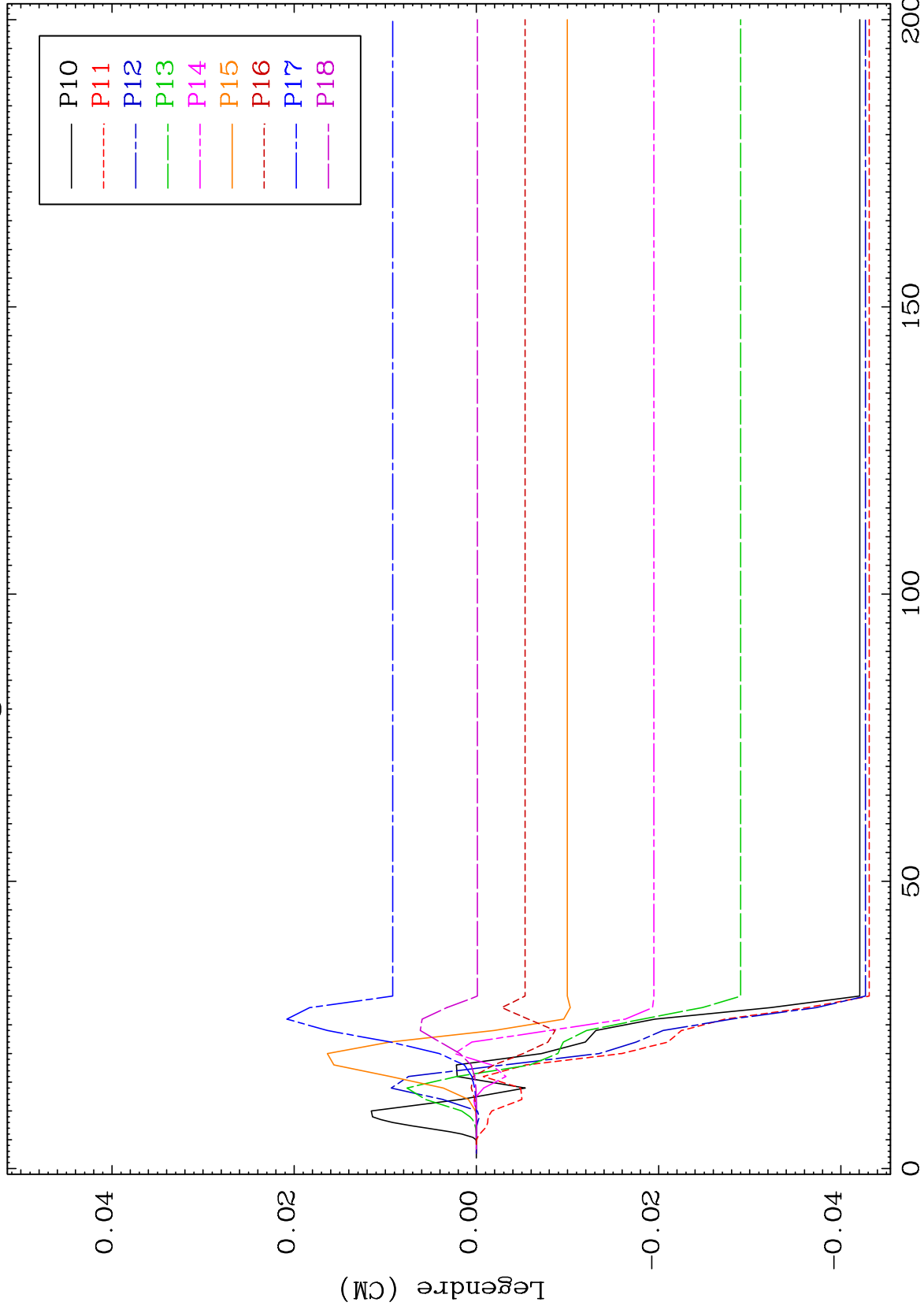




MAT 6249

1.293 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



77

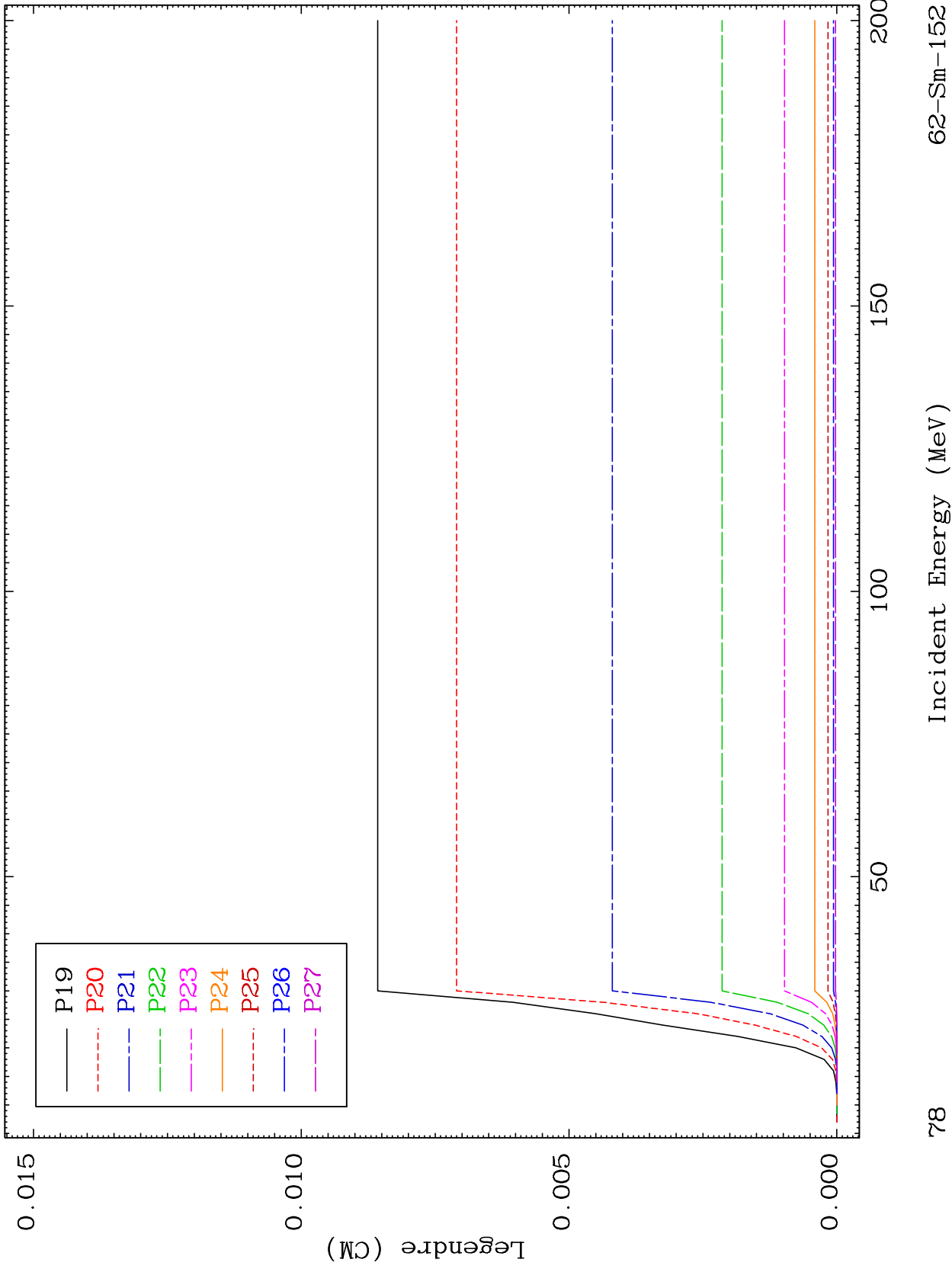
Incident Energy (MeV)

62-Sm-152

MAT 6249

1.293 MeV (n,n') Level  
Legendre Coefficients

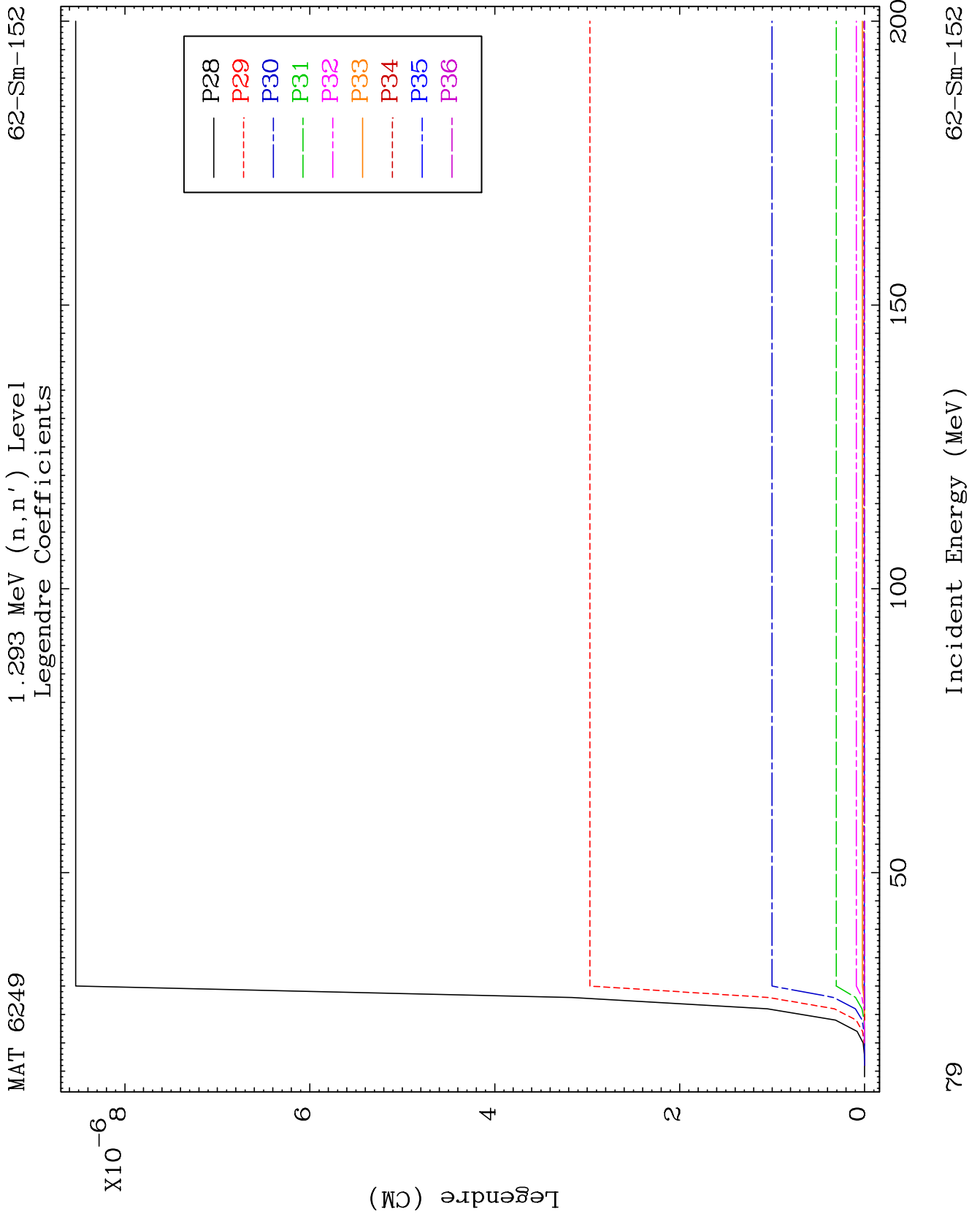
62-Sm-152



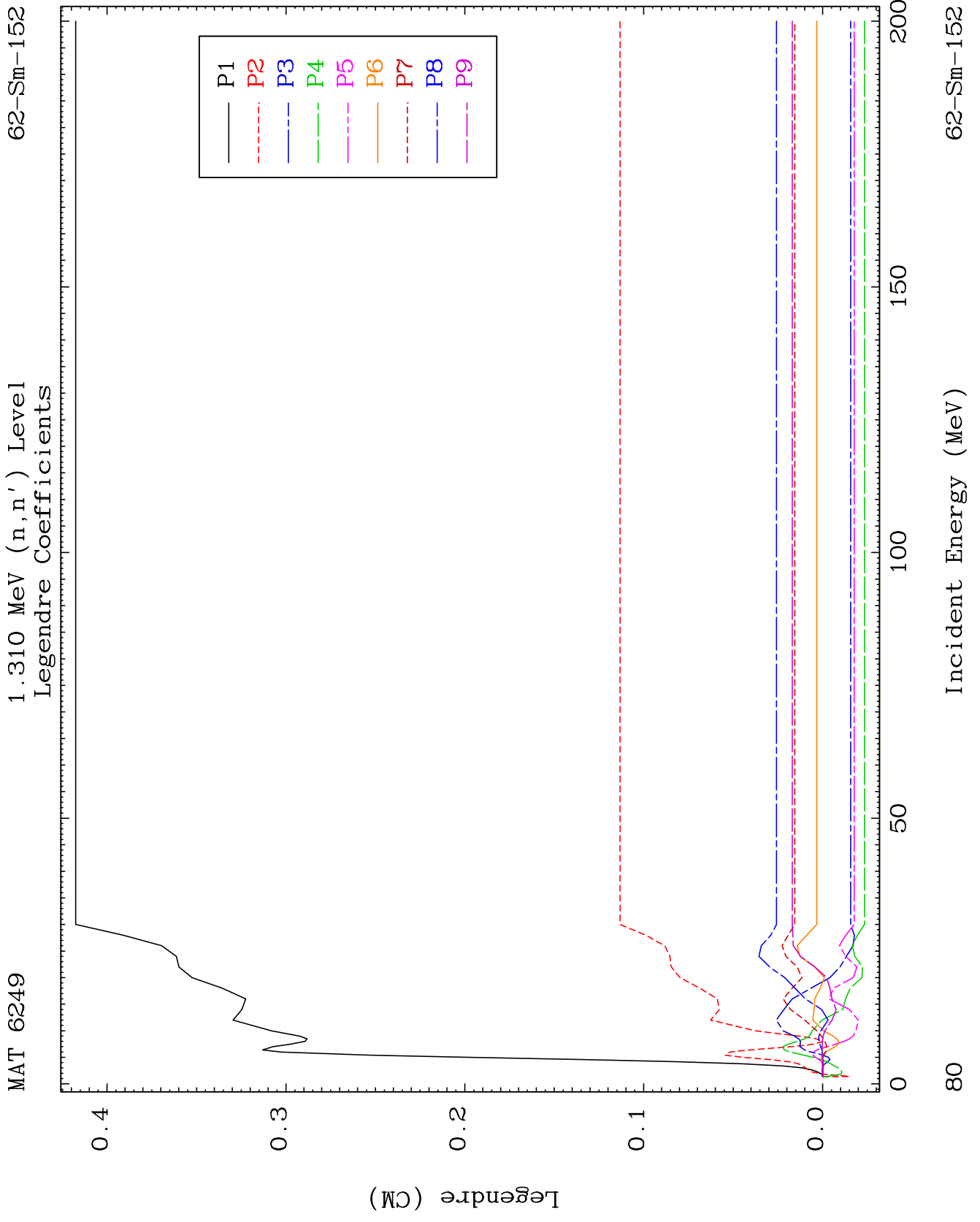
78

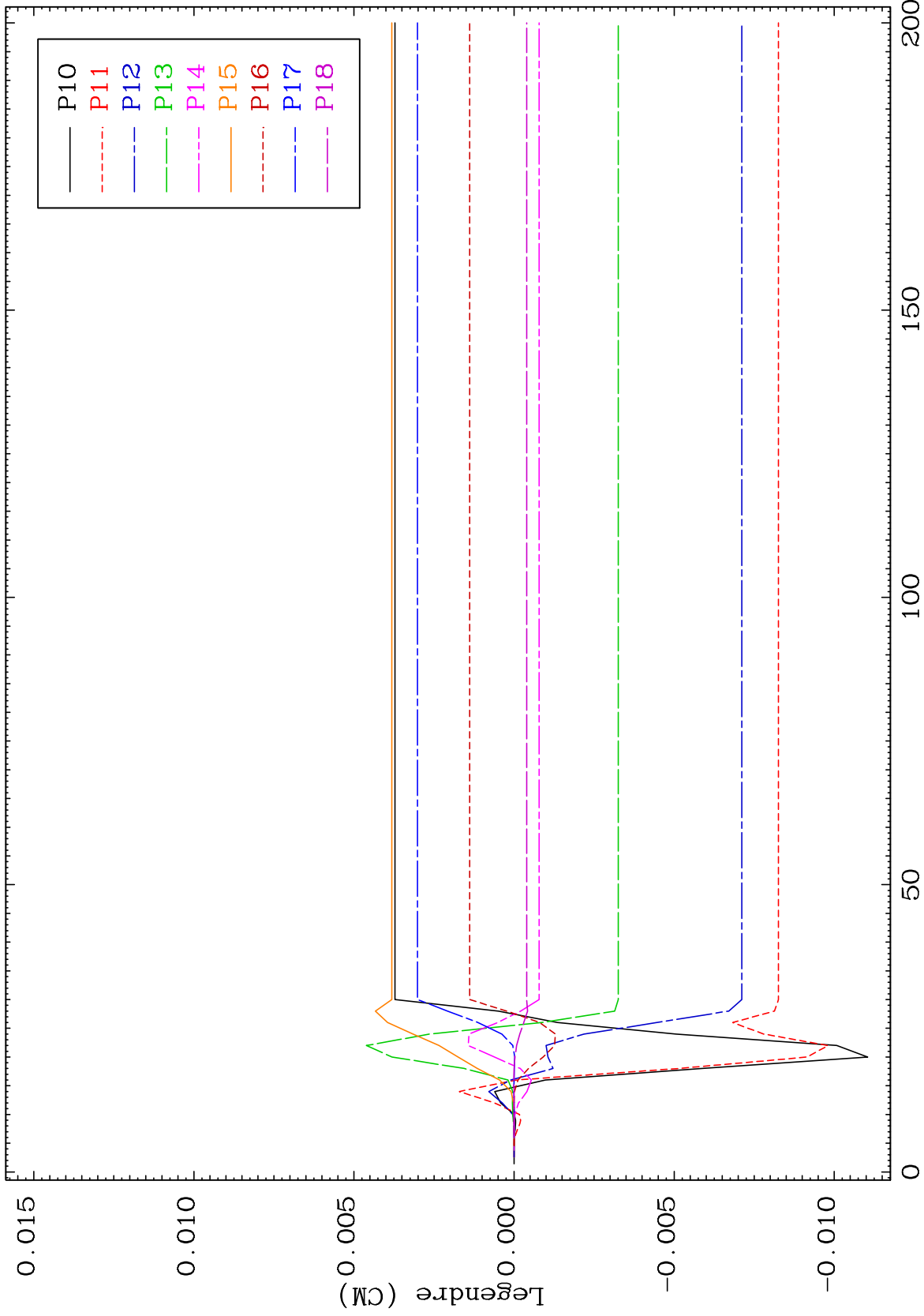
Incident Energy (MeV)

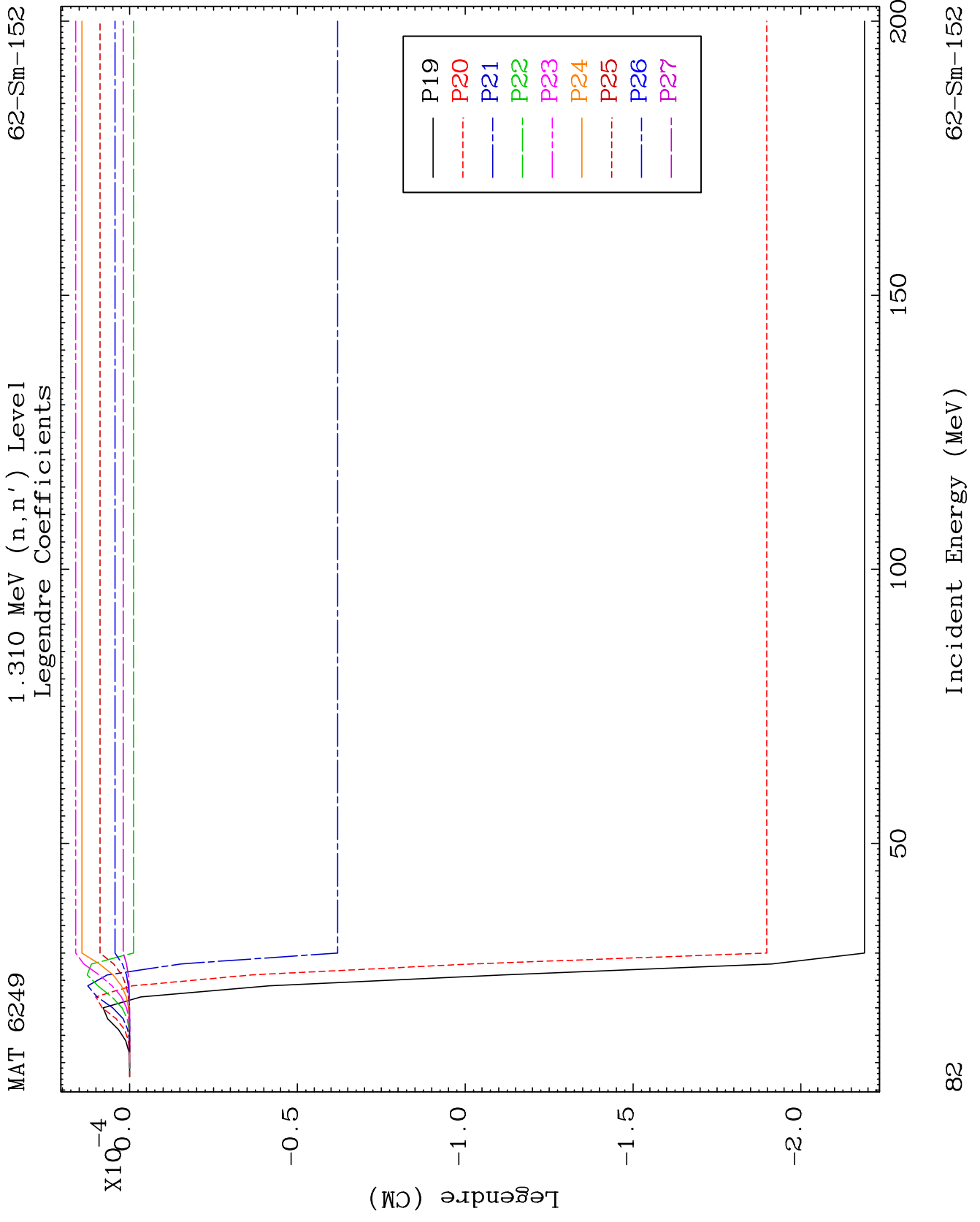
62-Sm-152







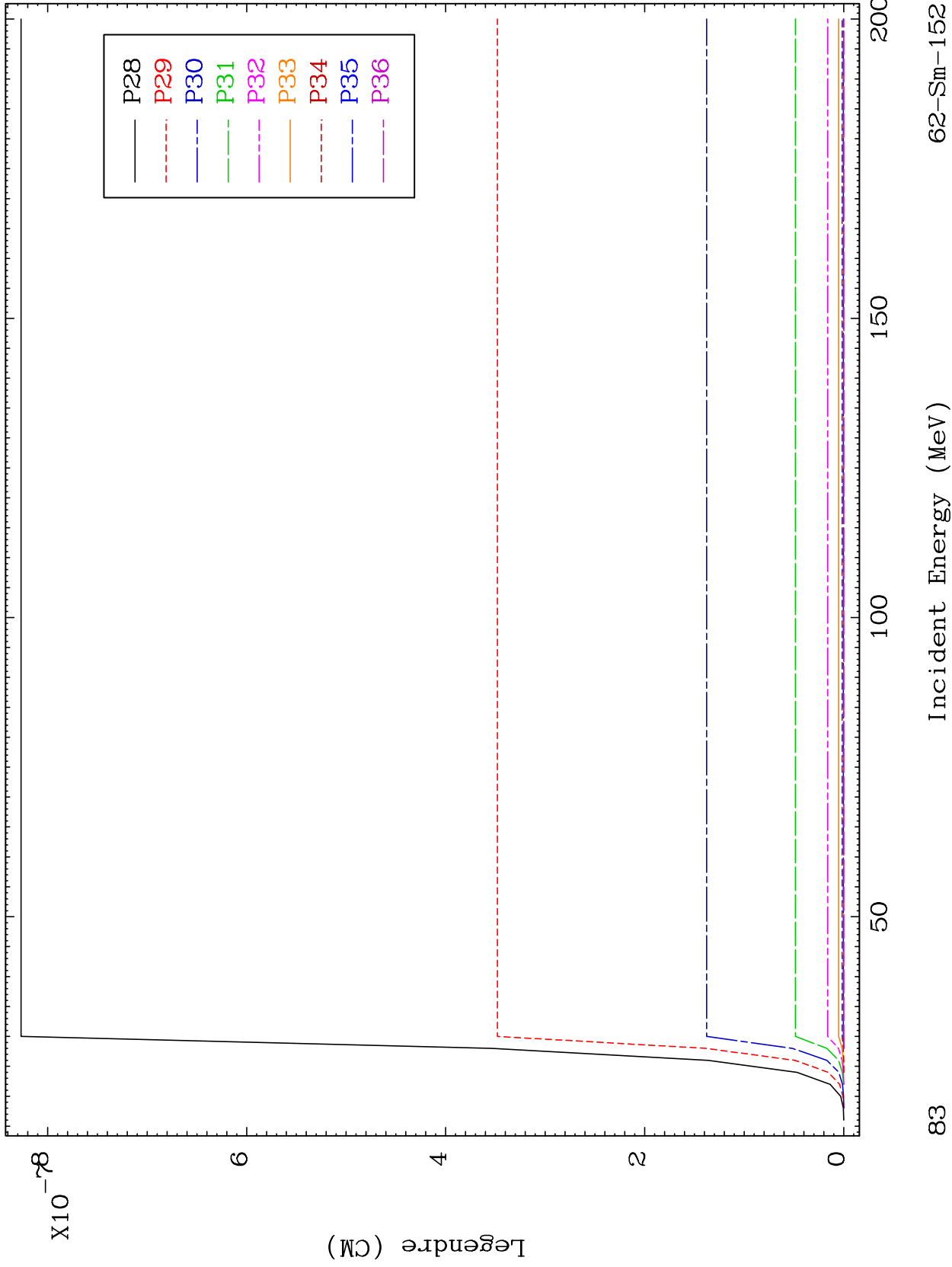




MAT 6249

1.310 MeV (n,n') Level  
Legendre Coefficients

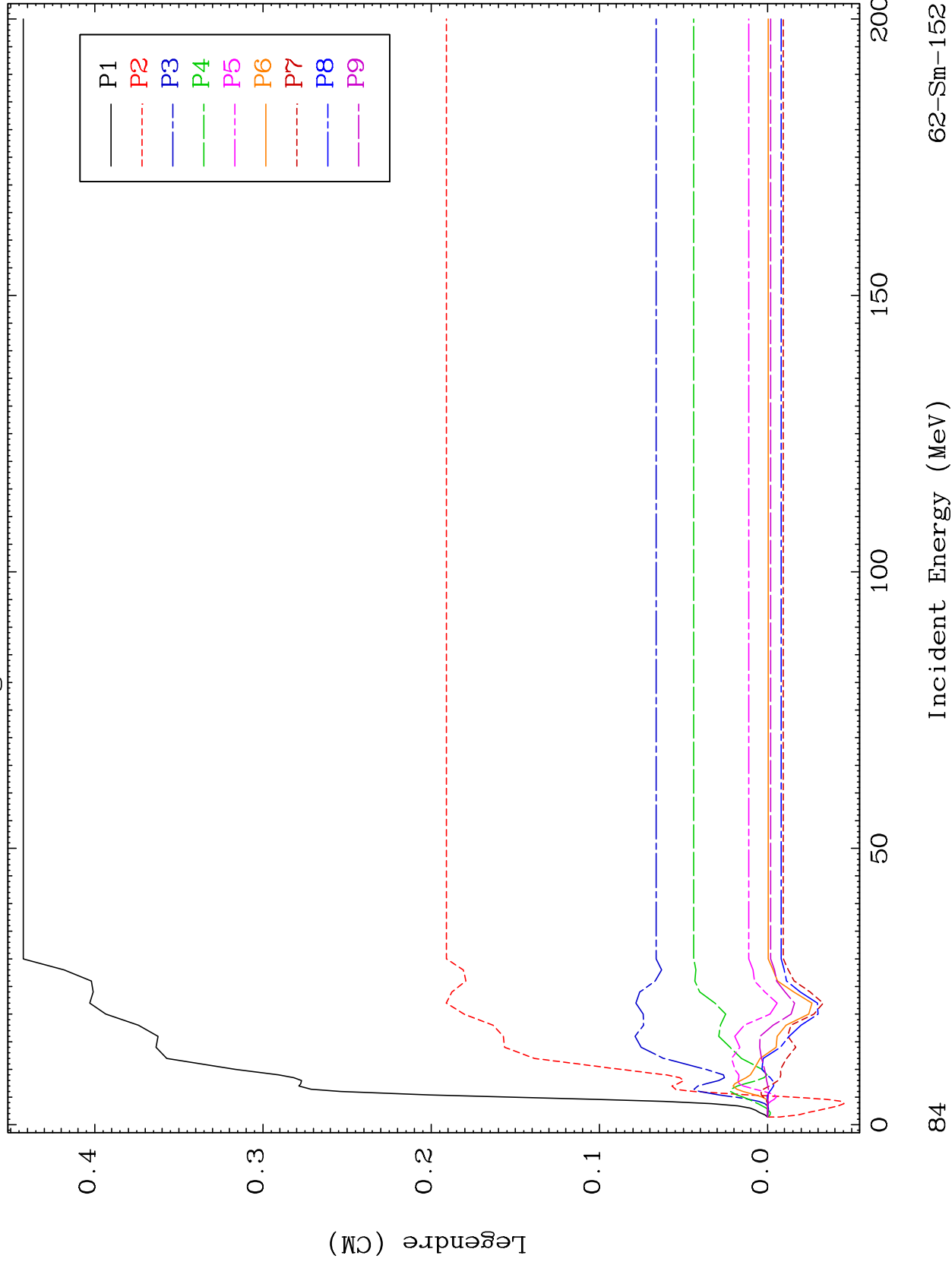
62-Sm-152



MAT 6249

1.372 MeV (n,n') Level  
Legendre Coefficients

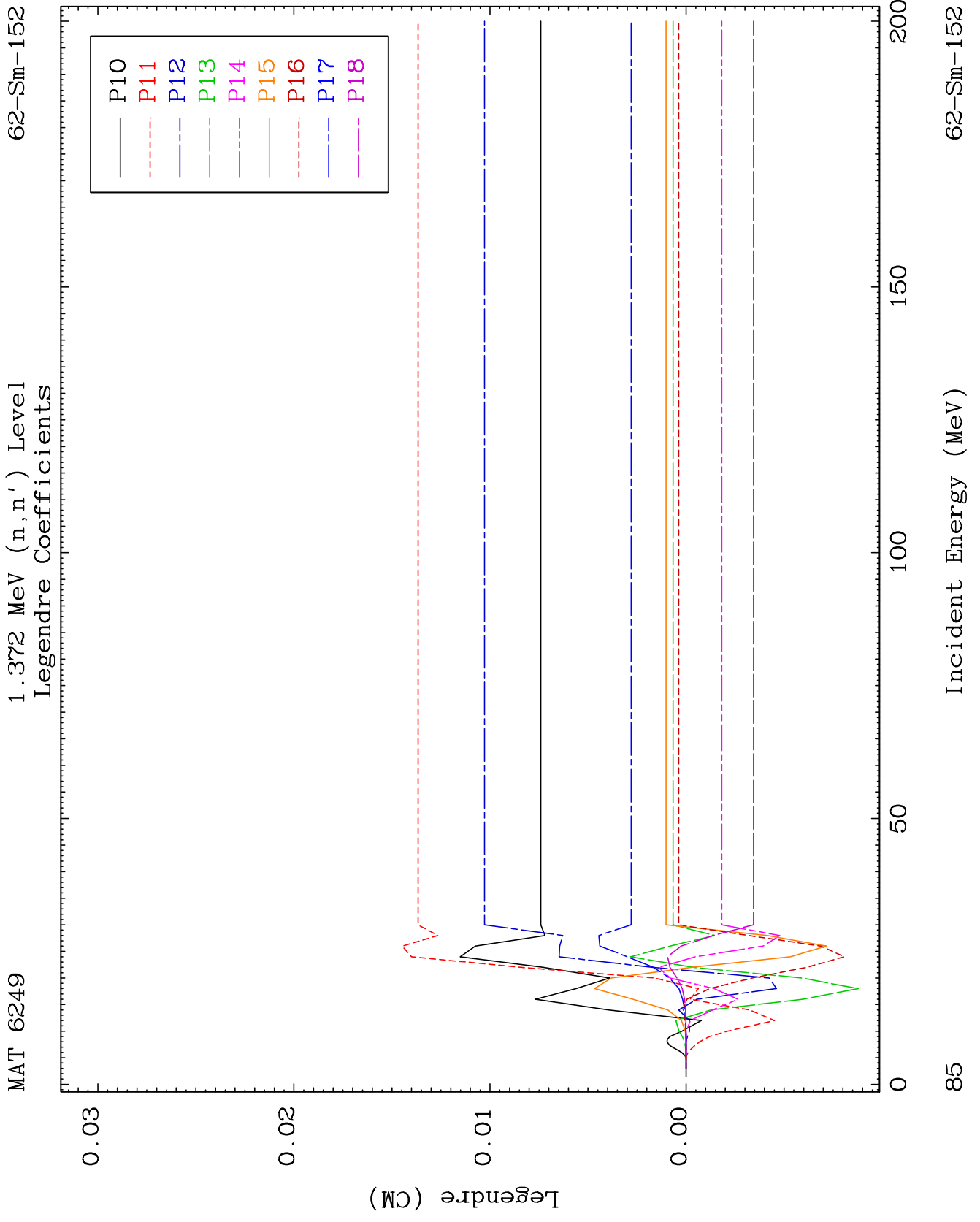
62-Sm-152

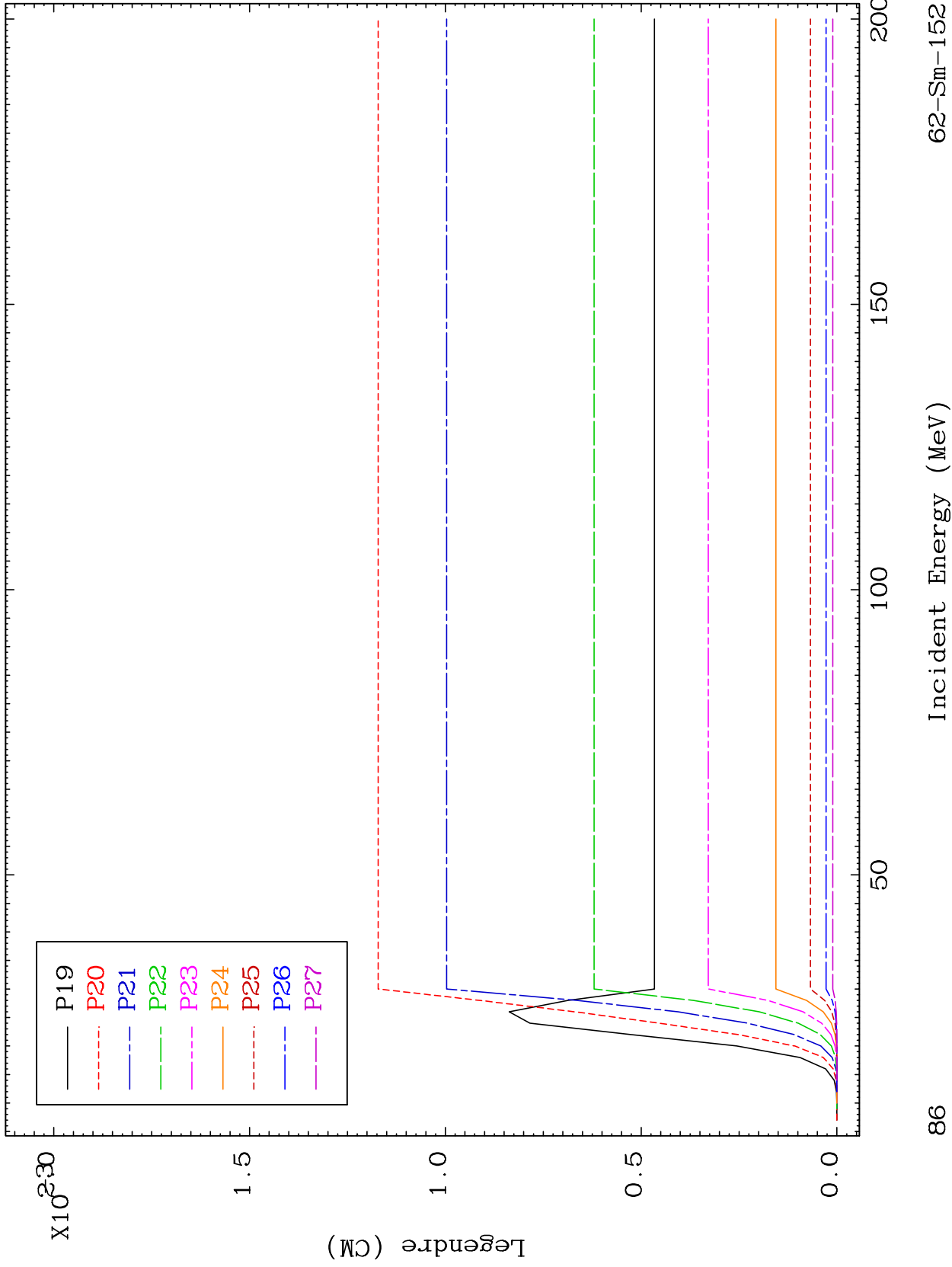


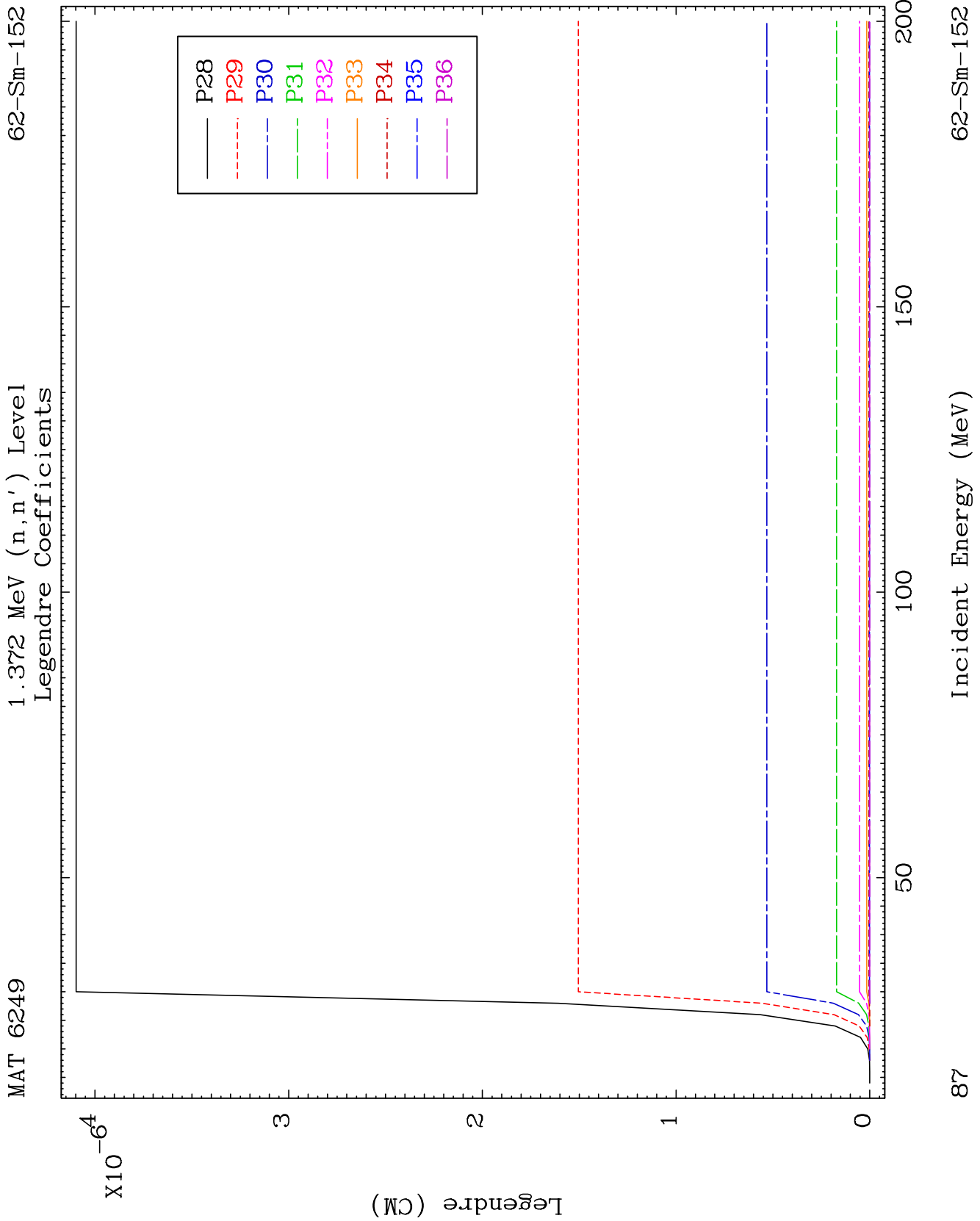
62-Sm-152

Incident Energy (MeV)

84





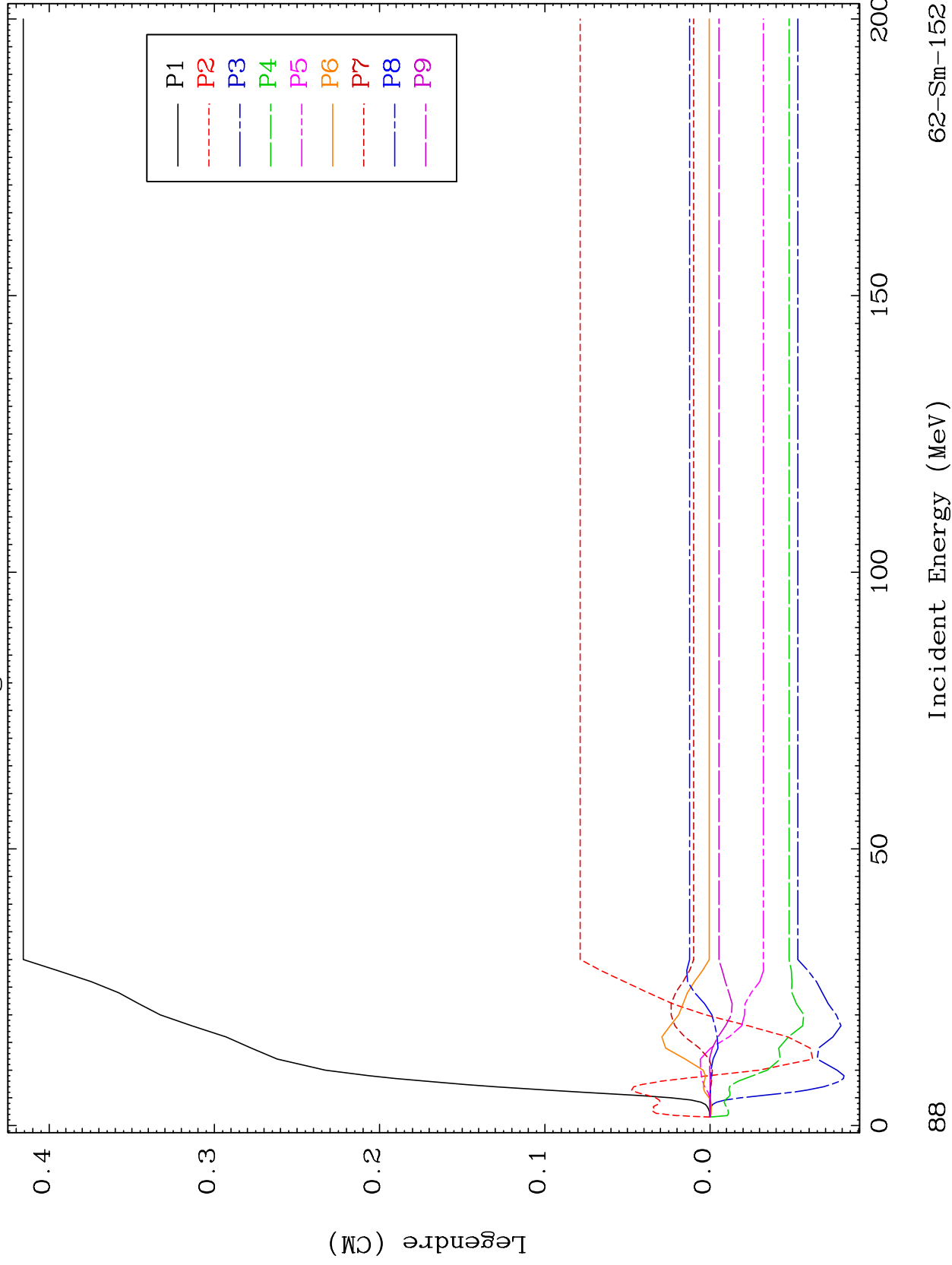




MAT 6249

1.506 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



62-Sm-152

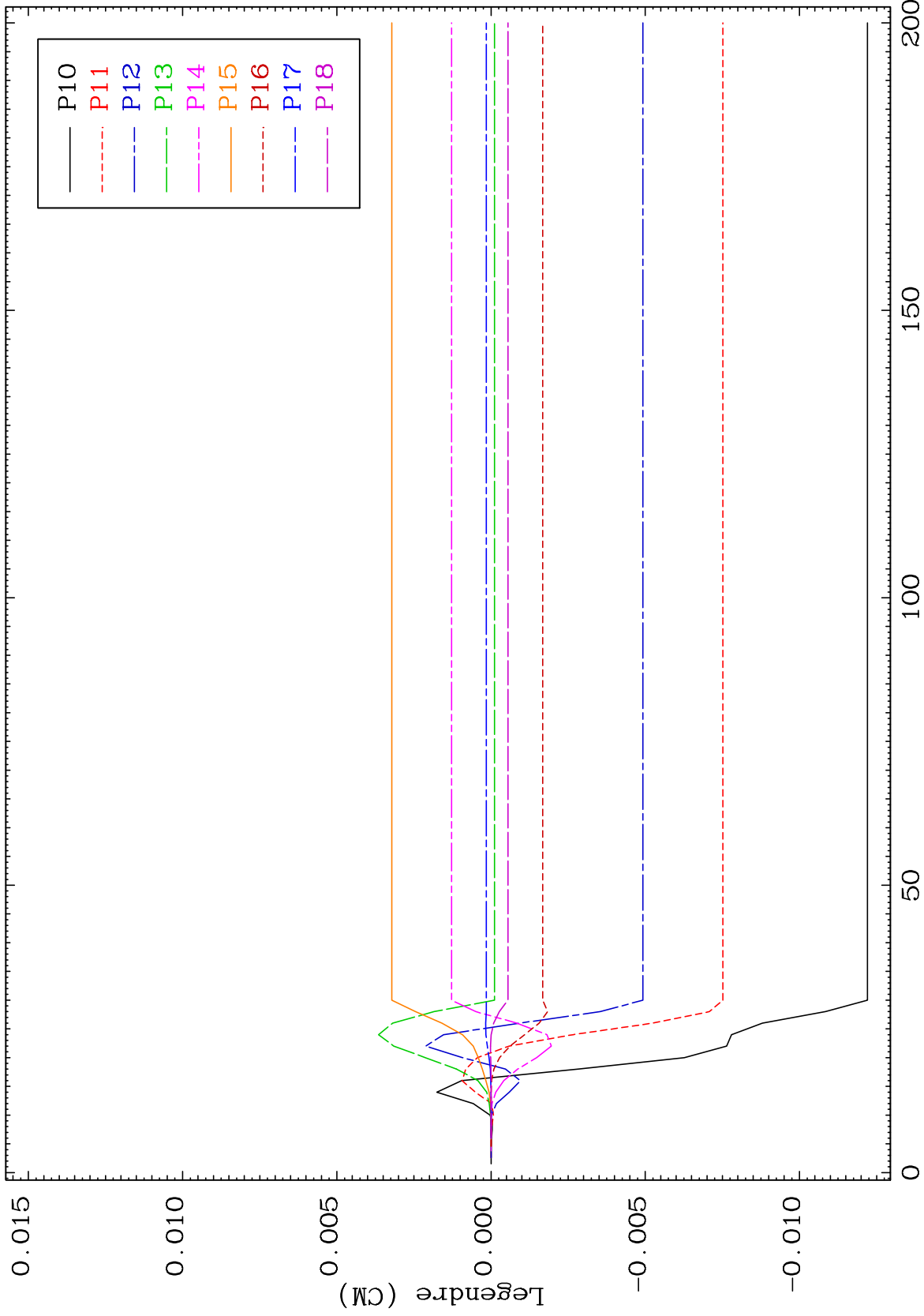
Incident Energy (MeV)

88

MAT 6249

1.506 MeV (n,n') Level  
Legendre Coefficients

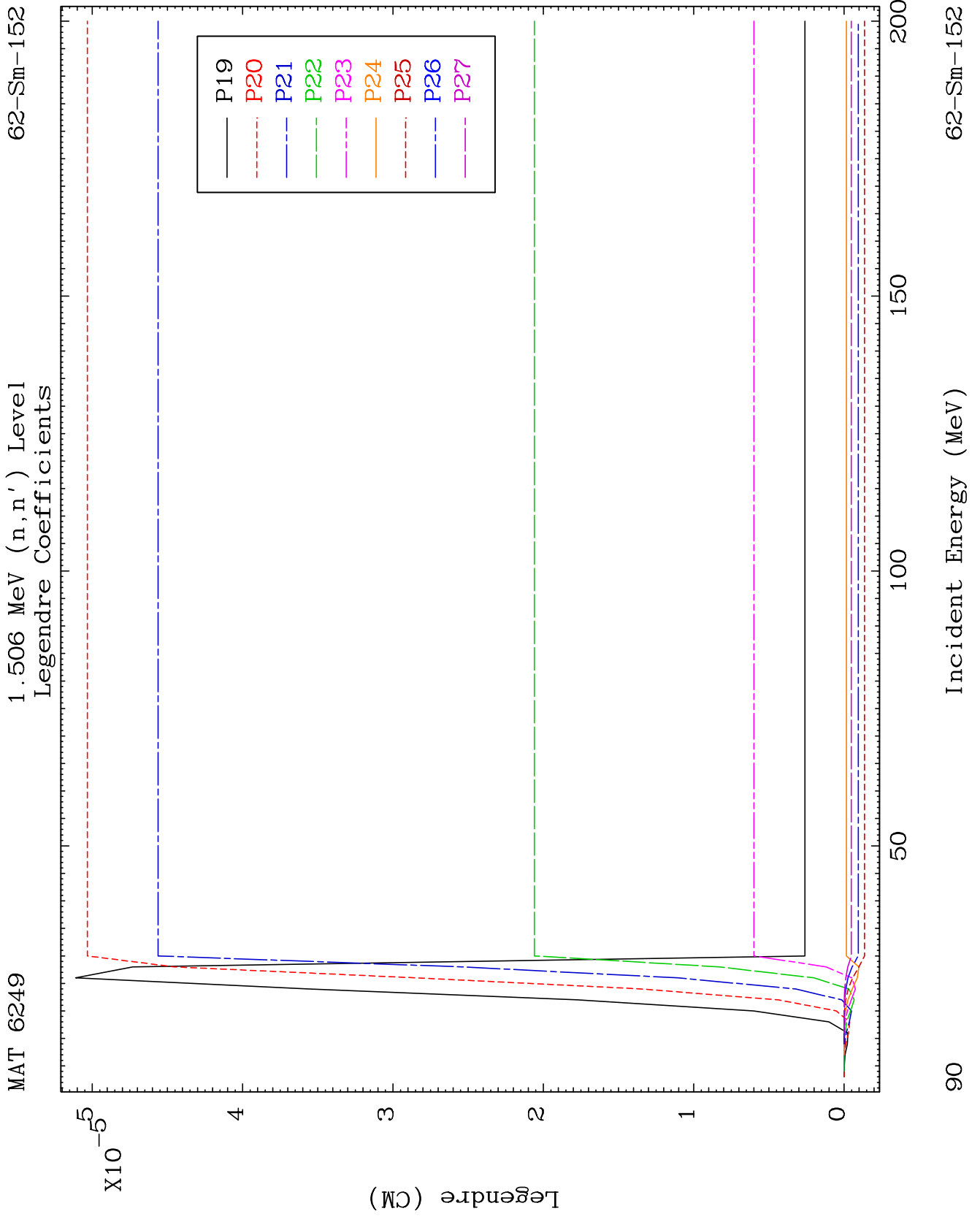
62-Sm-152

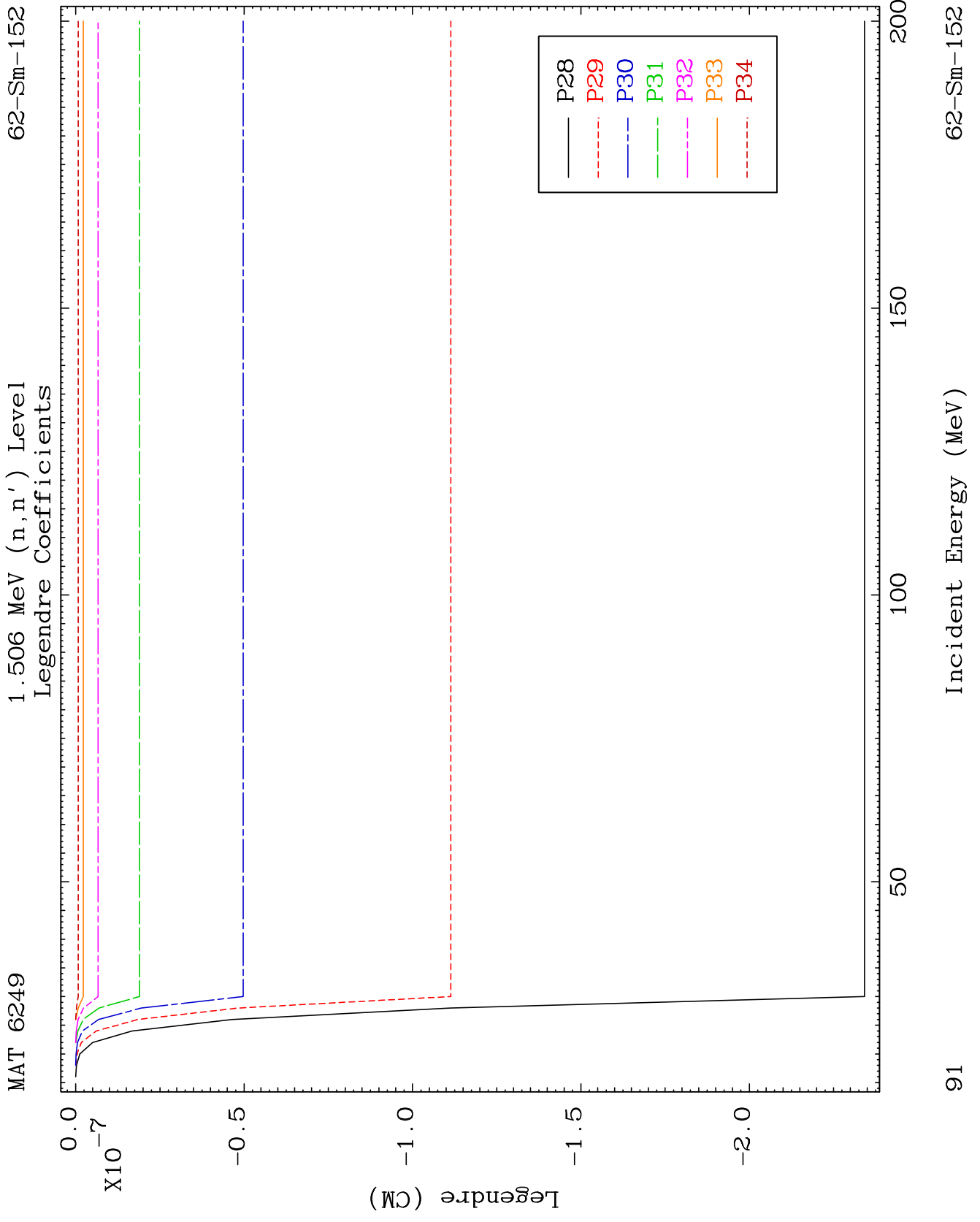


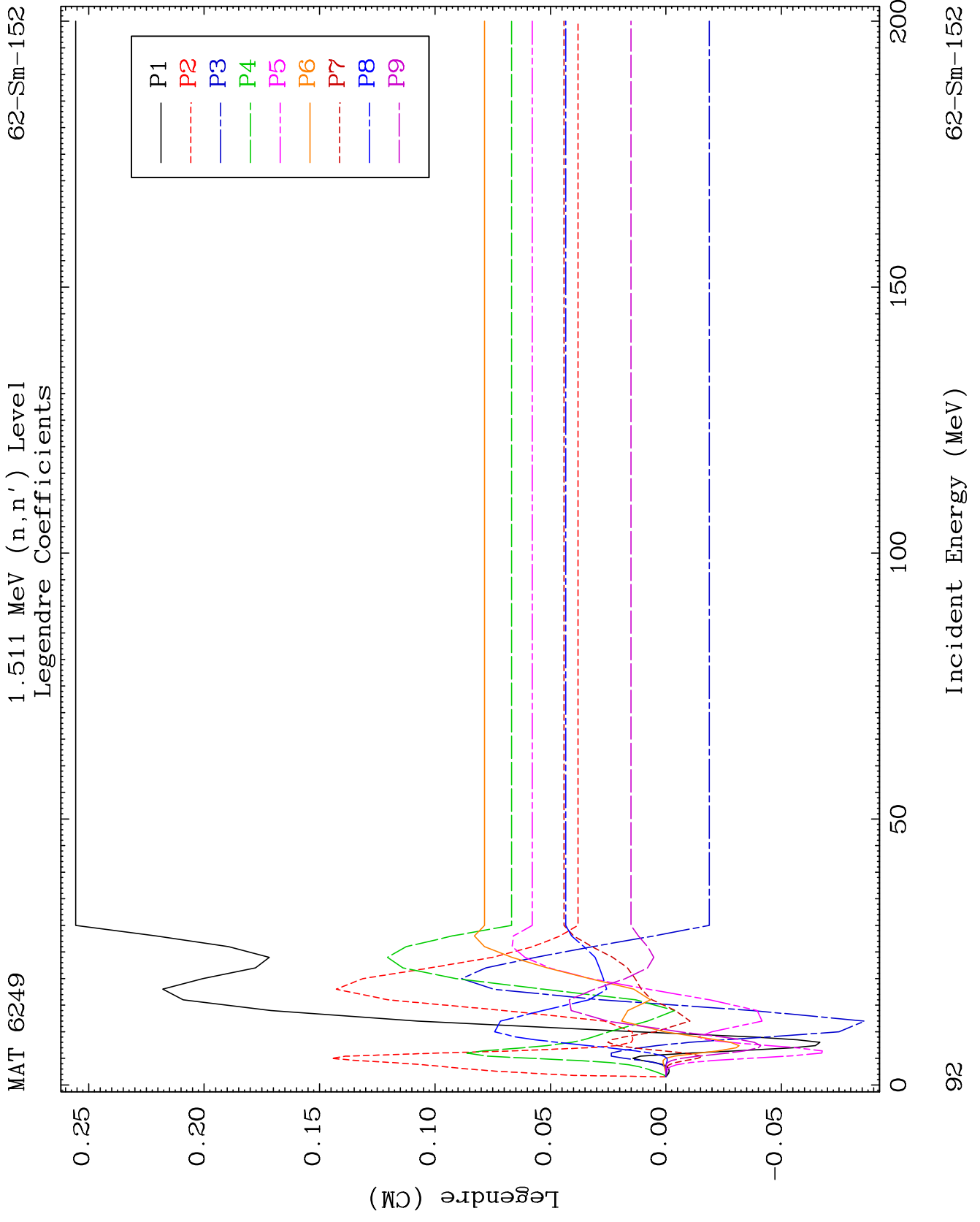
89

Incident Energy (MeV)

62-Sm-152



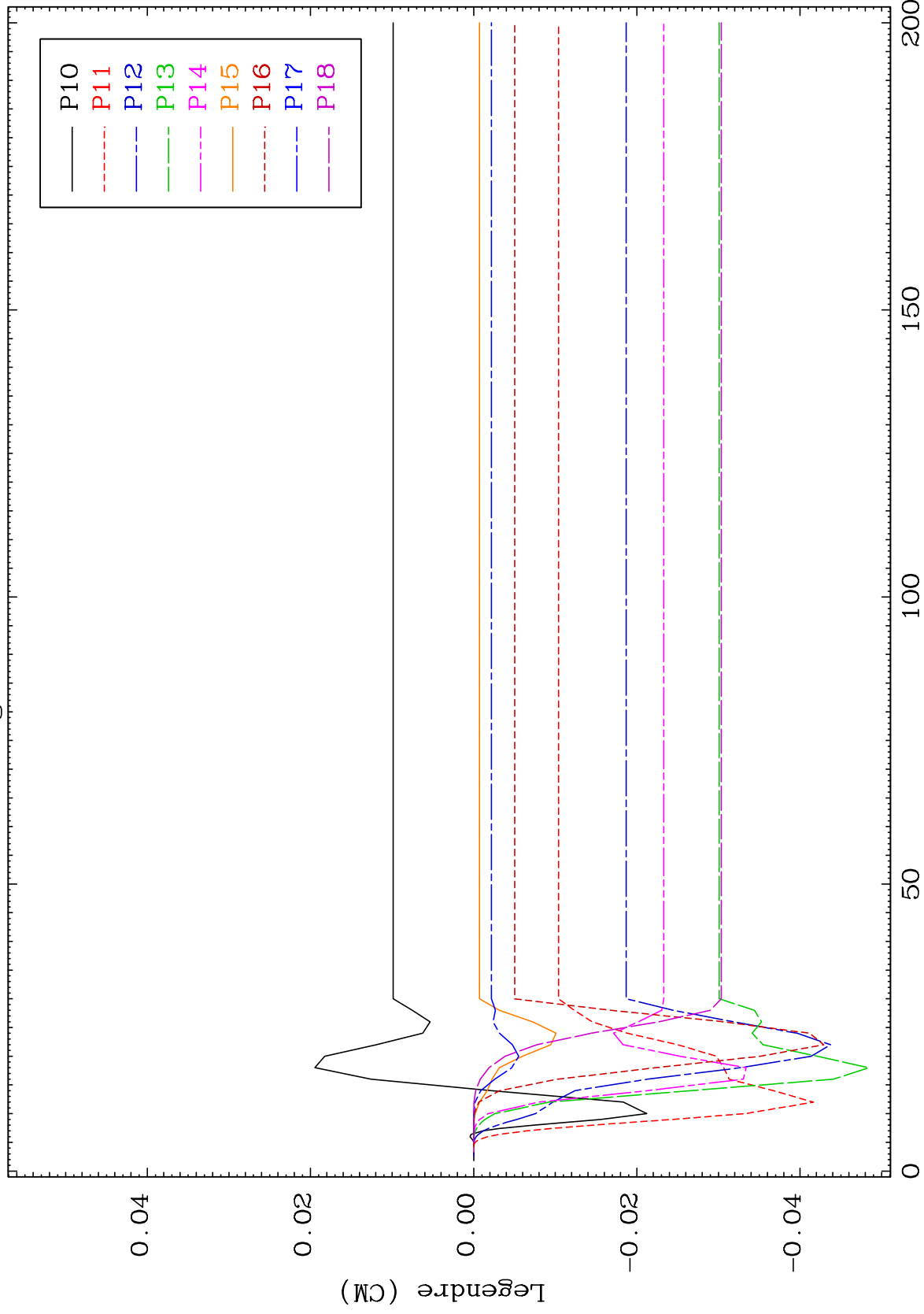




MAT 6249

1.511 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



93

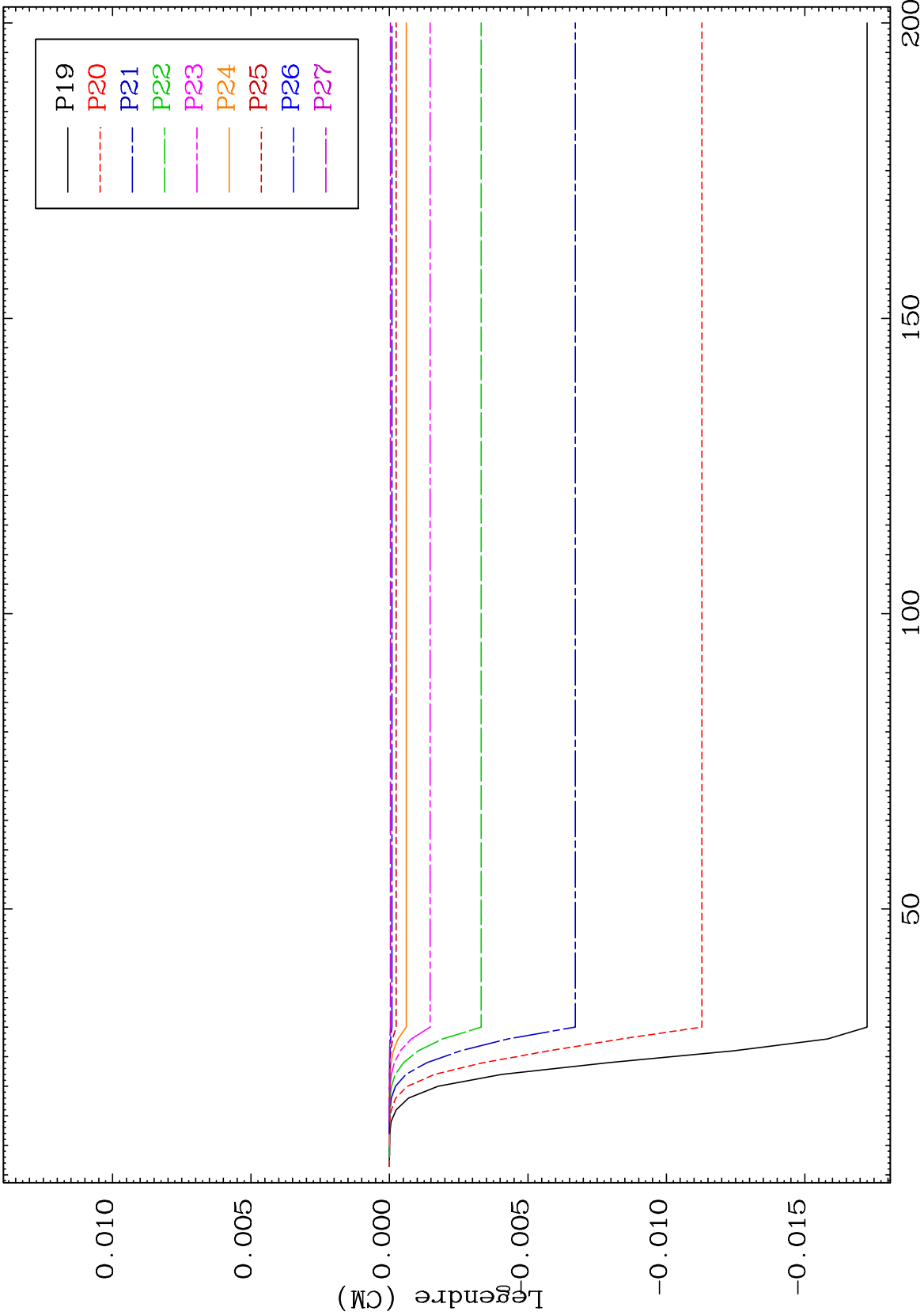
Incident Energy (MeV)

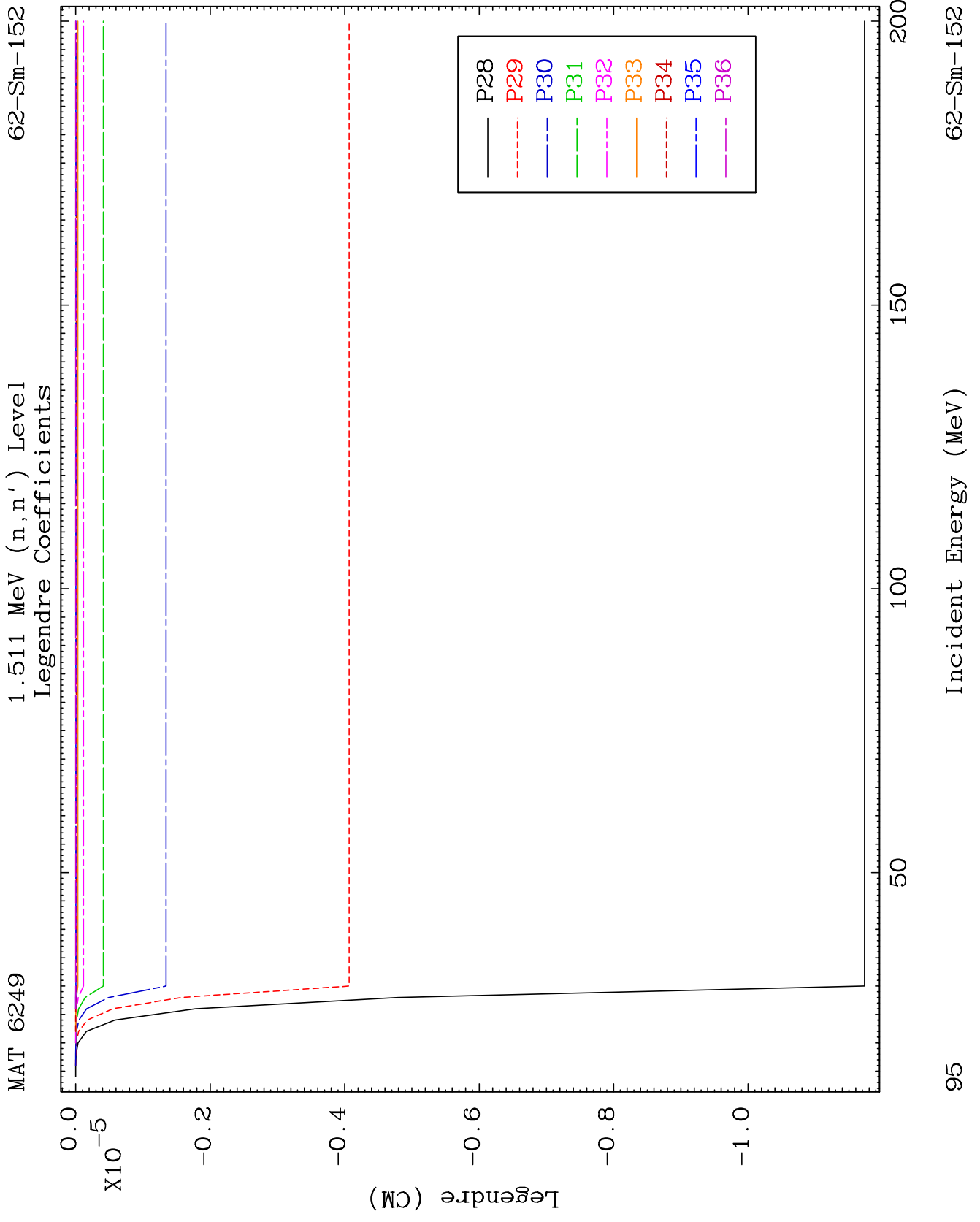
62-Sm-152

MAT 6249

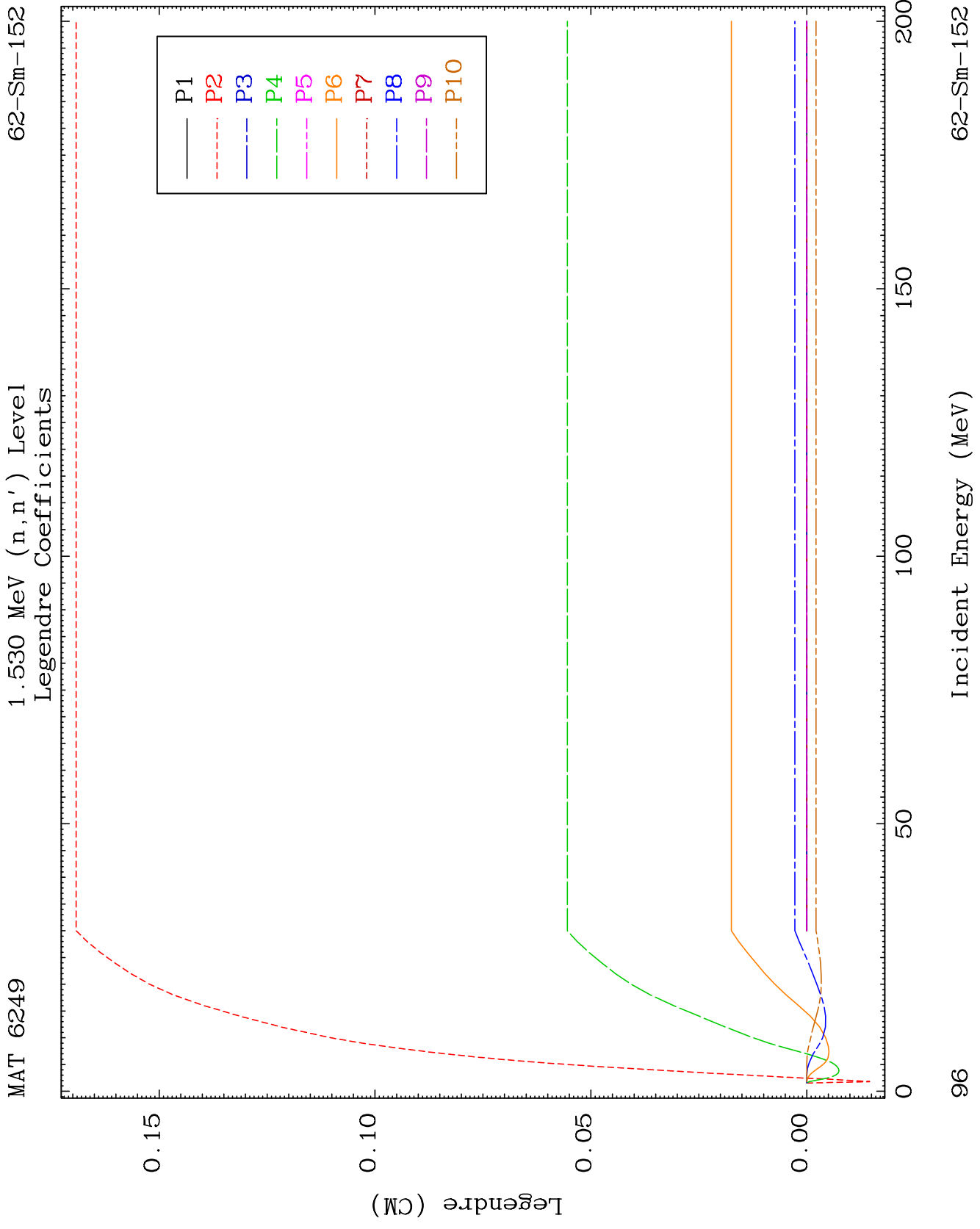
1.511 MeV (n,n') Level  
Legendre Coefficients

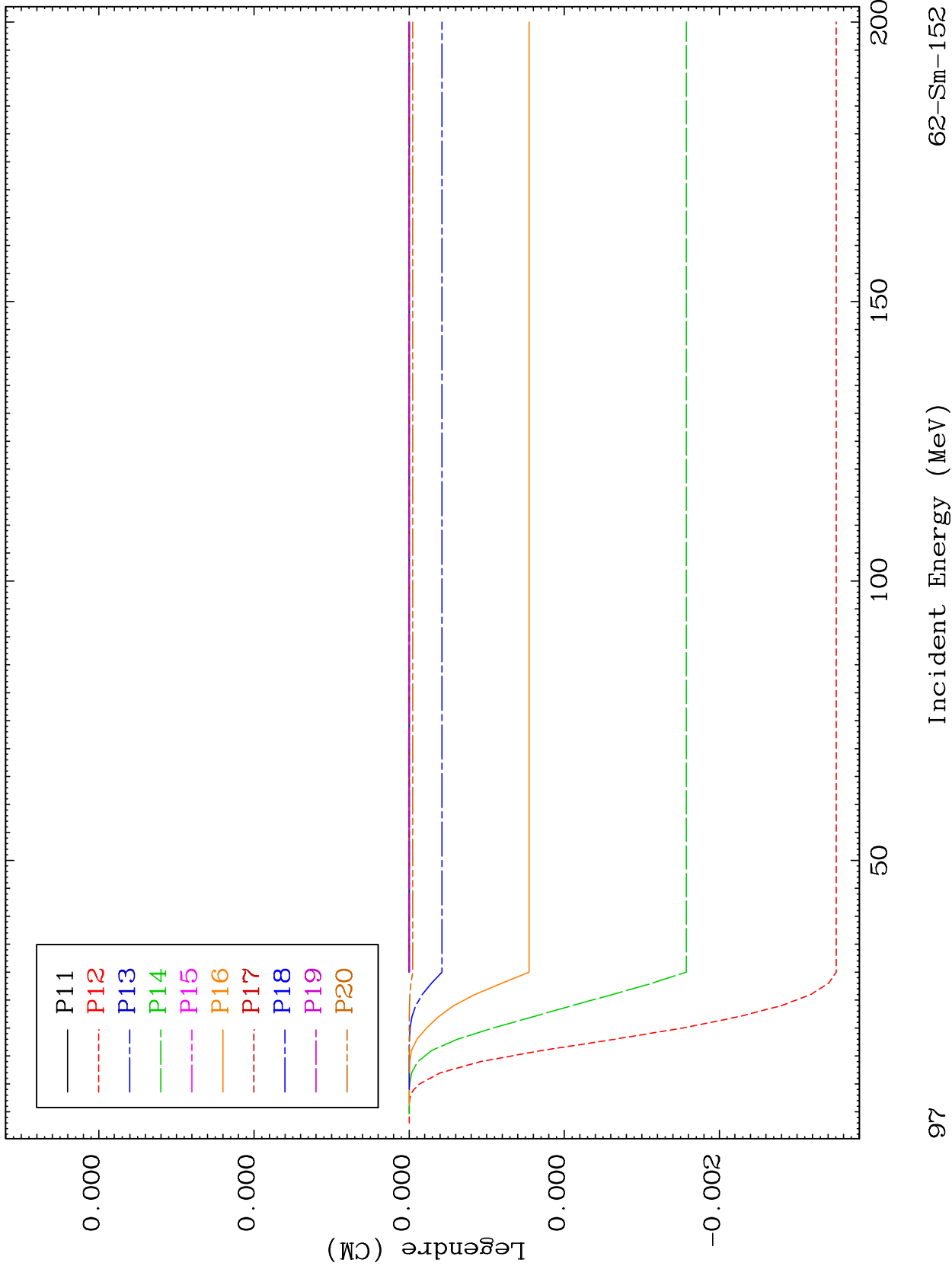
62-Sm-152

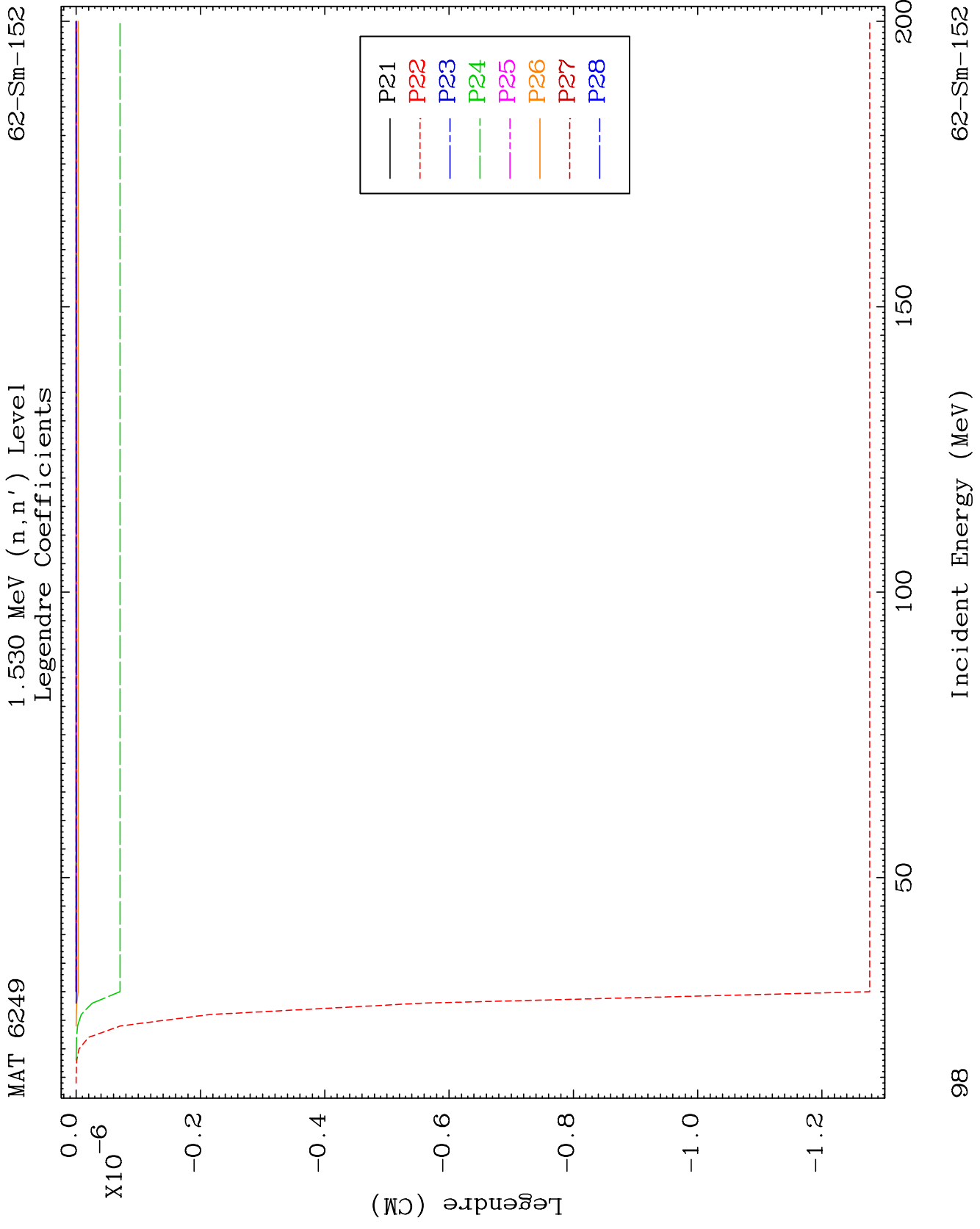








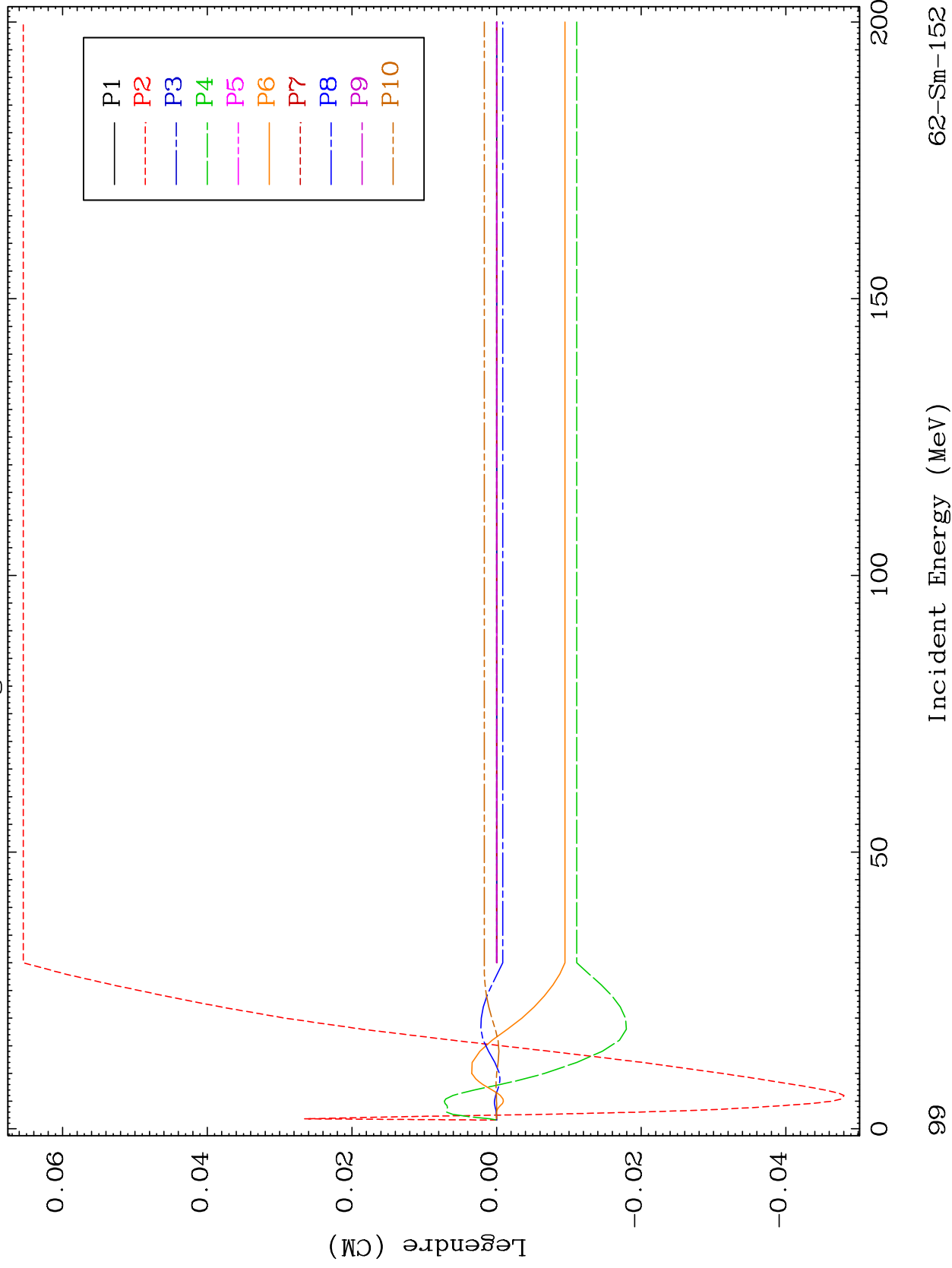




MAT 6249

1.560 MeV (n,n') Level  
Legendre Coefficients

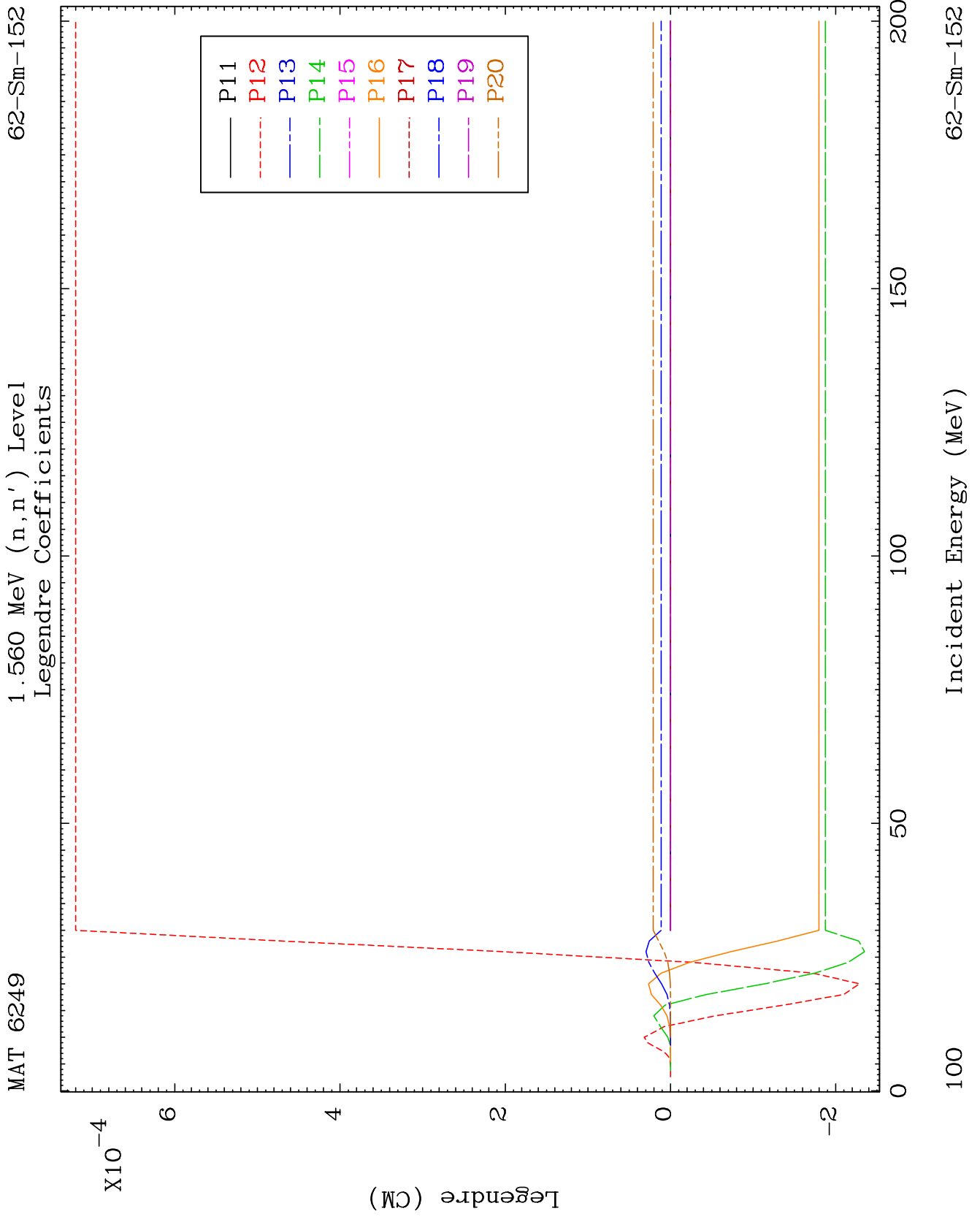
62-Sm-152

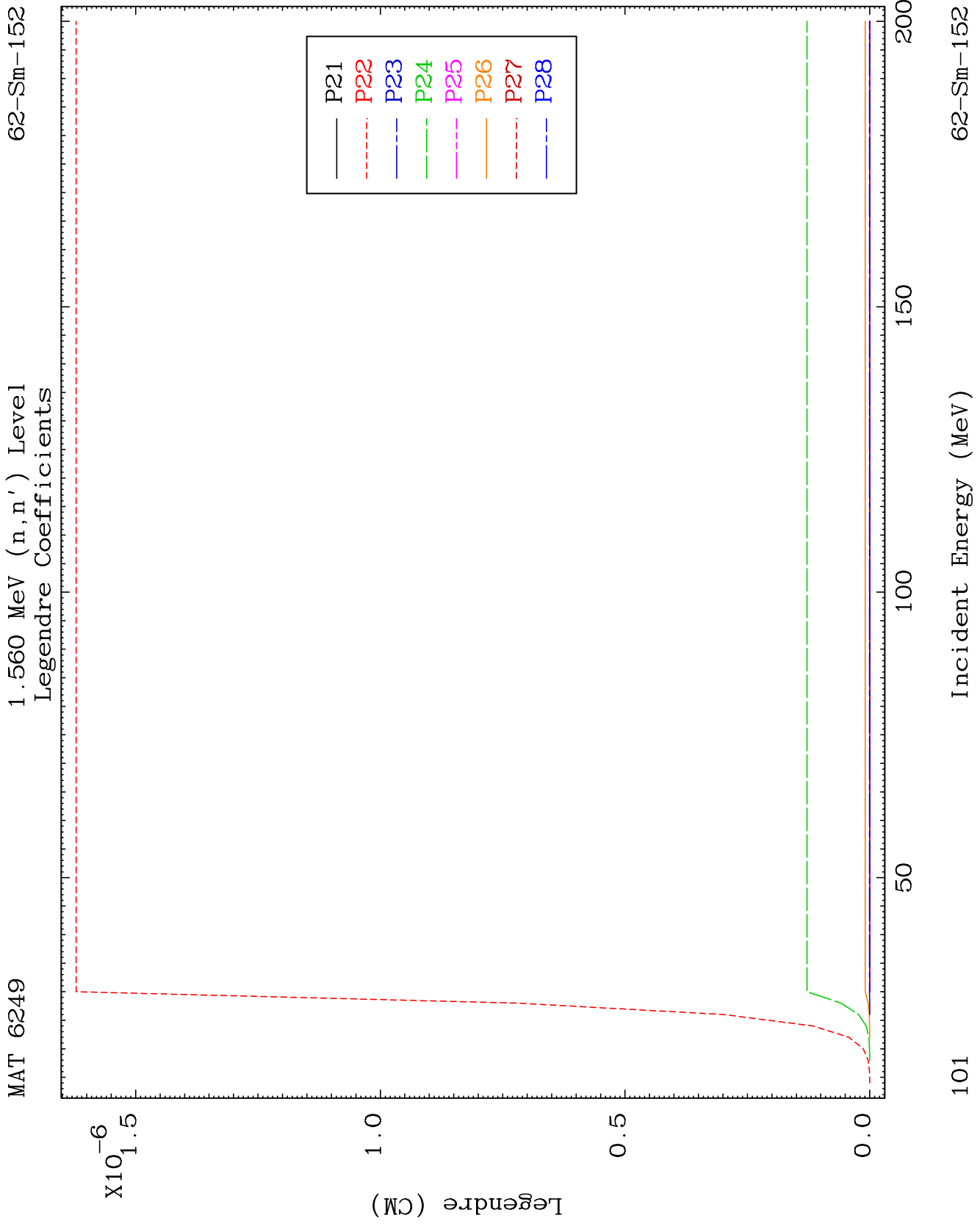


62-Sm-152

Incident Energy (MeV)

99

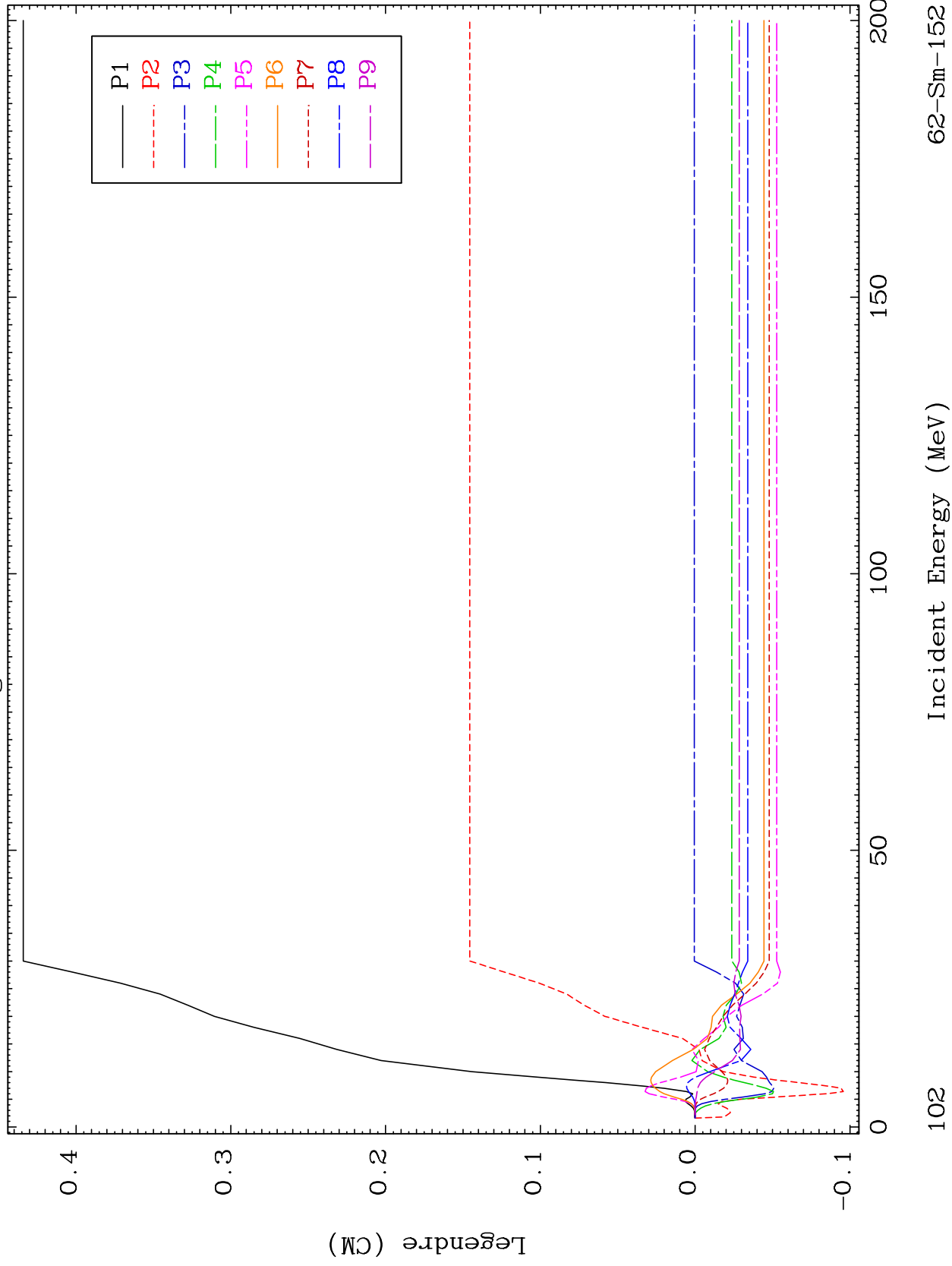




MAT 6249

1.579 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



62-Sm-152

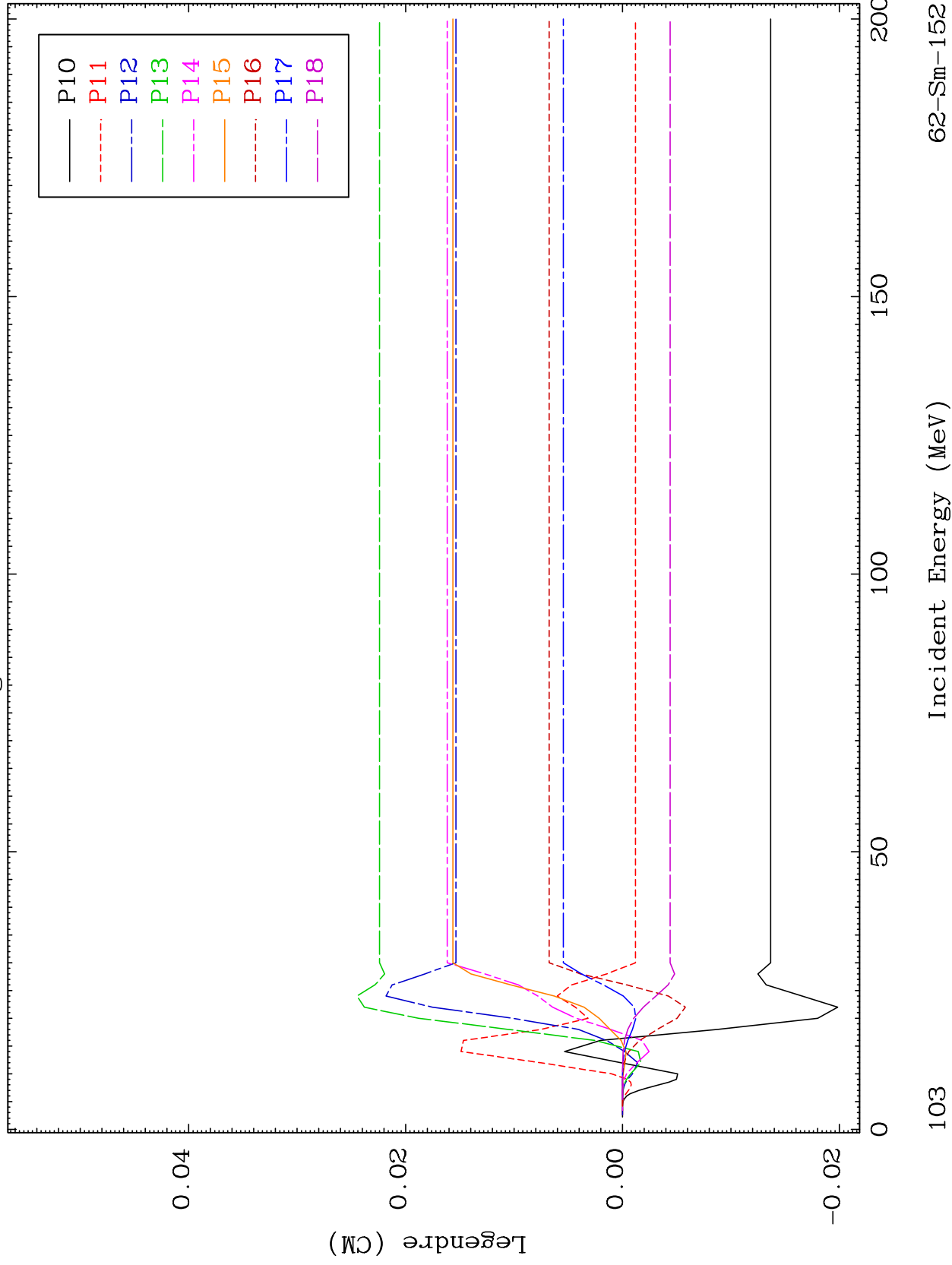
Incident Energy (MeV)

102

MAT 6249

1.579 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



62-Sm-152

Incident Energy (MeV)

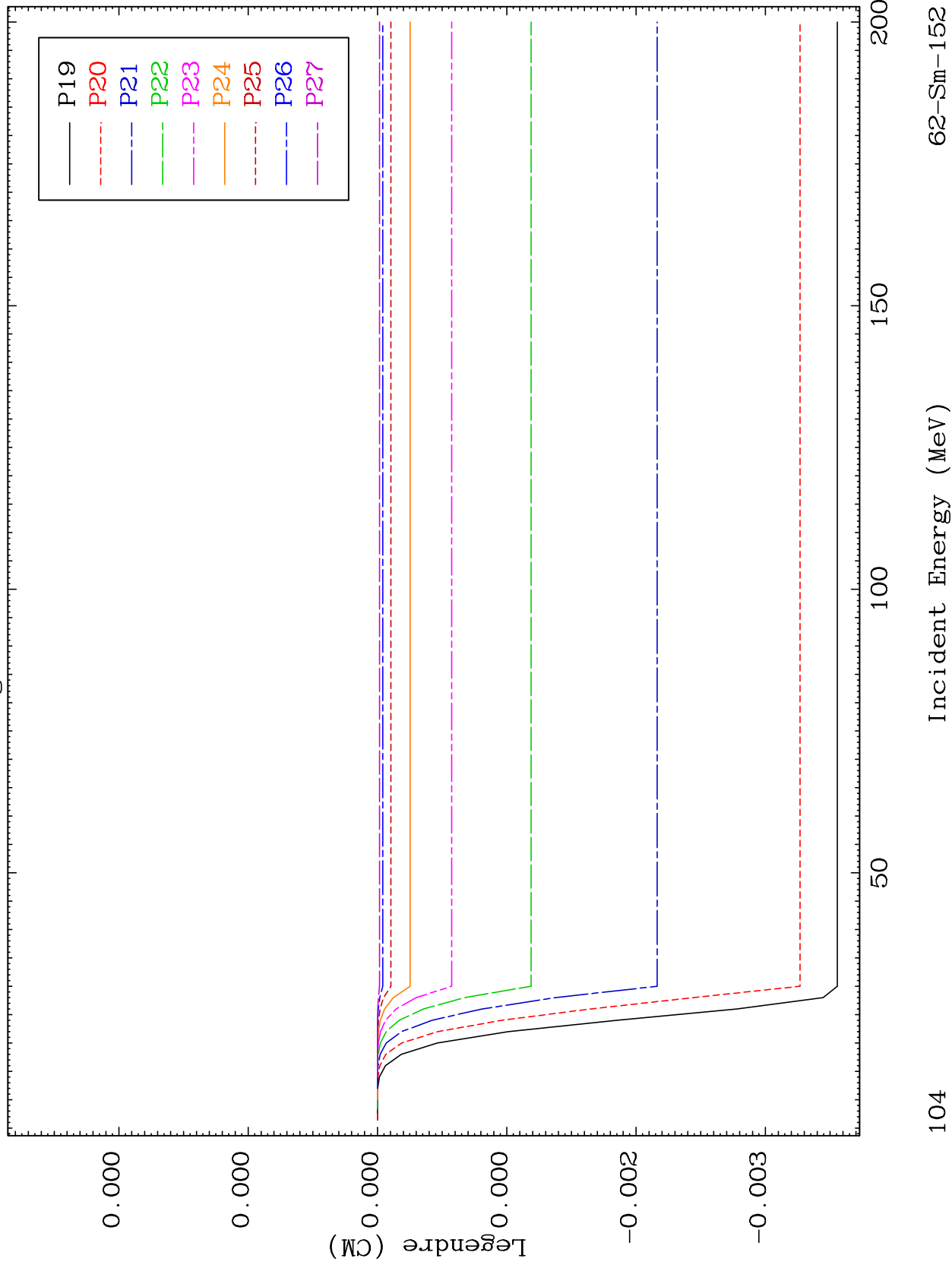
103



MAT 6249

1.579 MeV (n,n') Level  
Legendre Coefficients

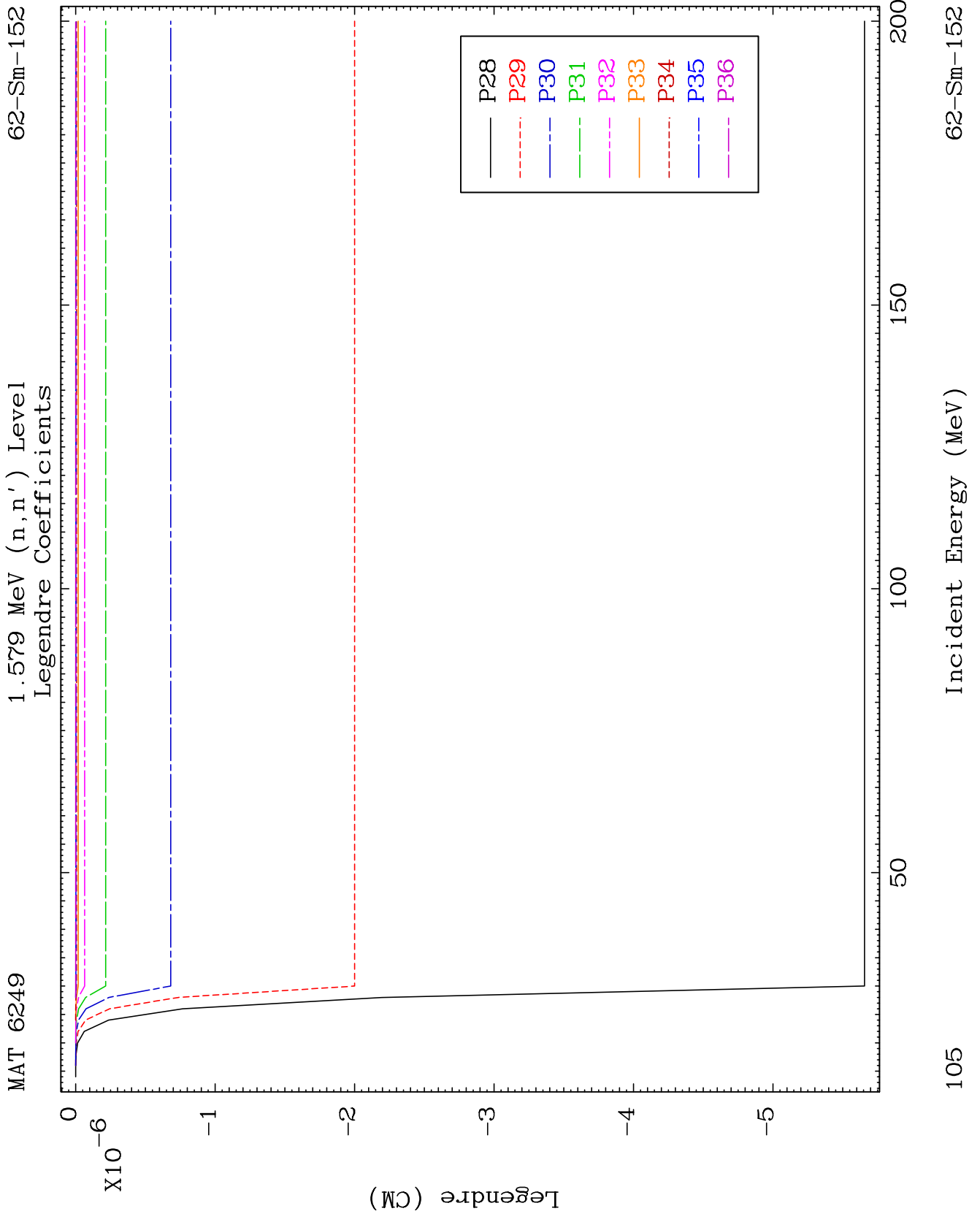
62-Sm-152



104

Incident Energy (MeV)

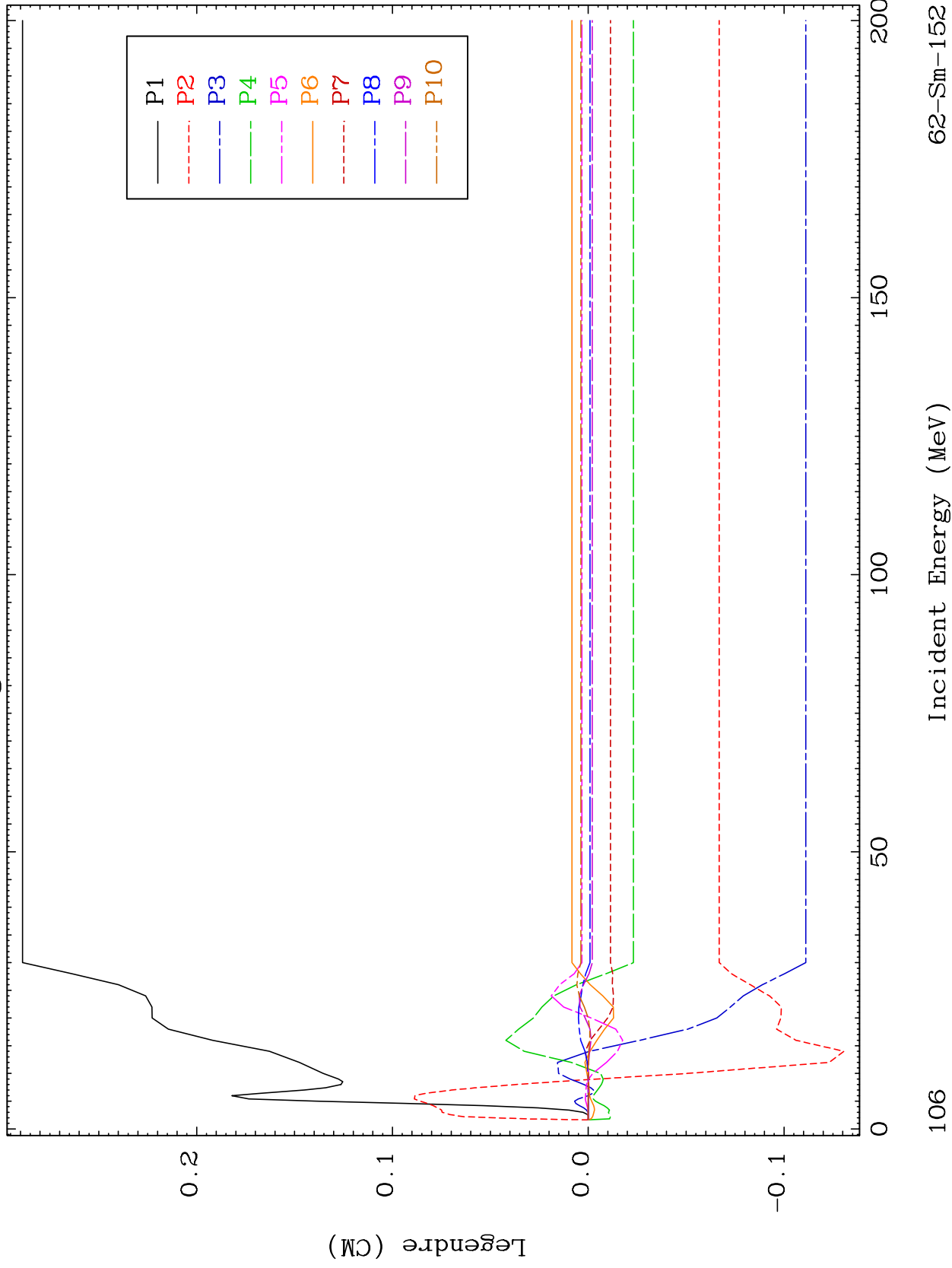
62-Sm-152



MAT 6249

1.609 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



62-Sm-152

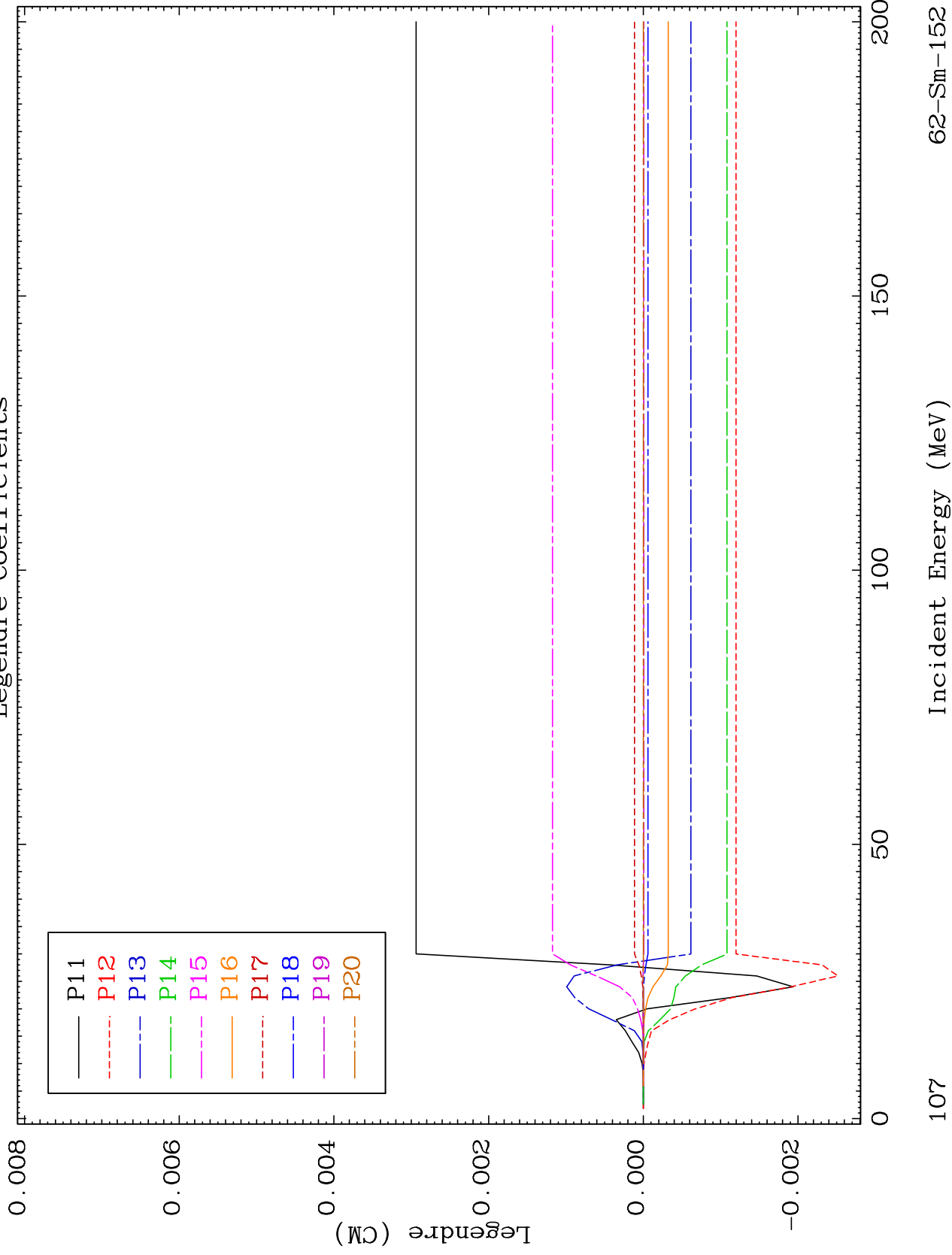
Incident Energy (MeV)

106

MAT 6249

1.609 MeV (n,n') Level  
Legendre Coefficients

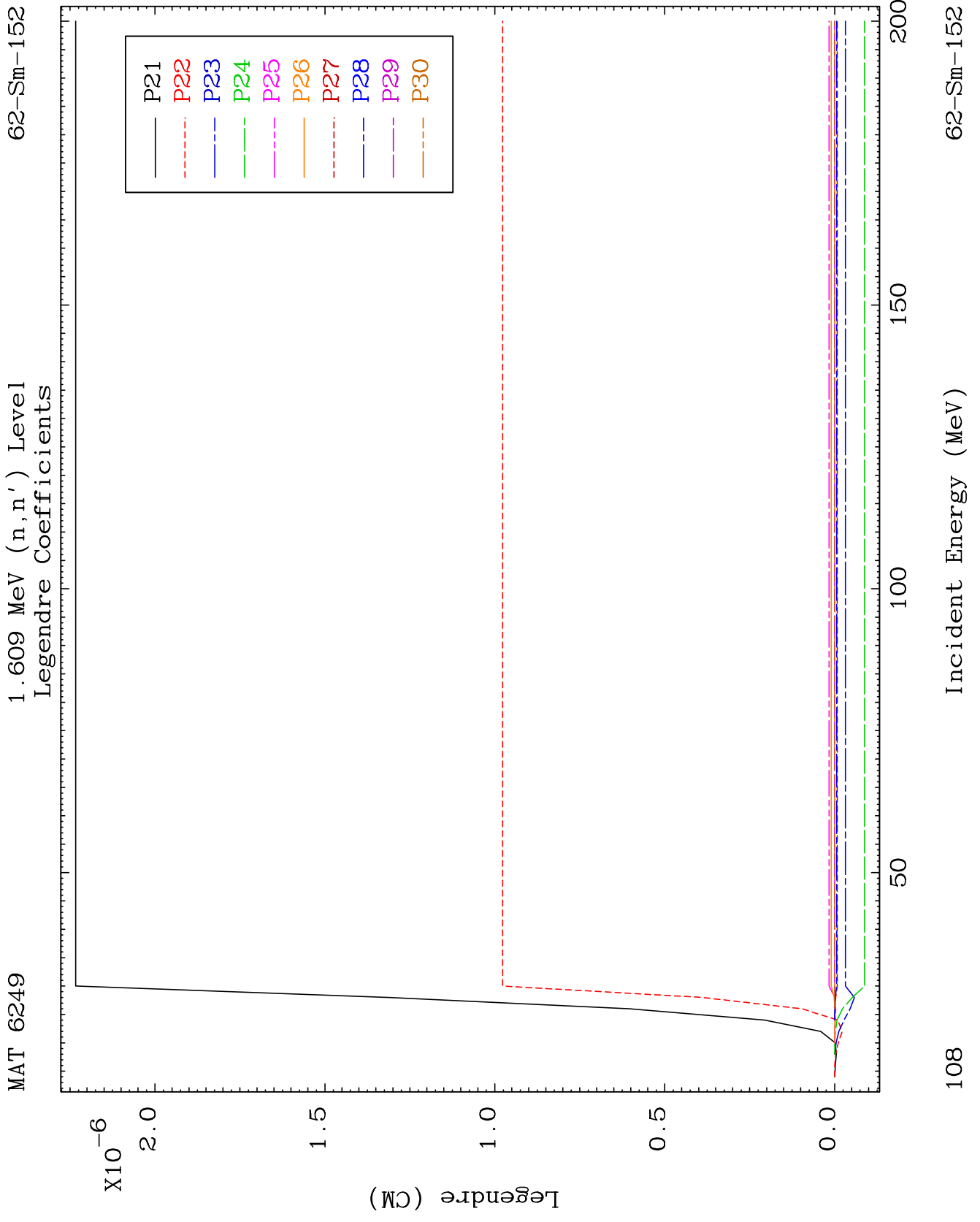
62-Sm-152



107

Incident Energy (MeV)

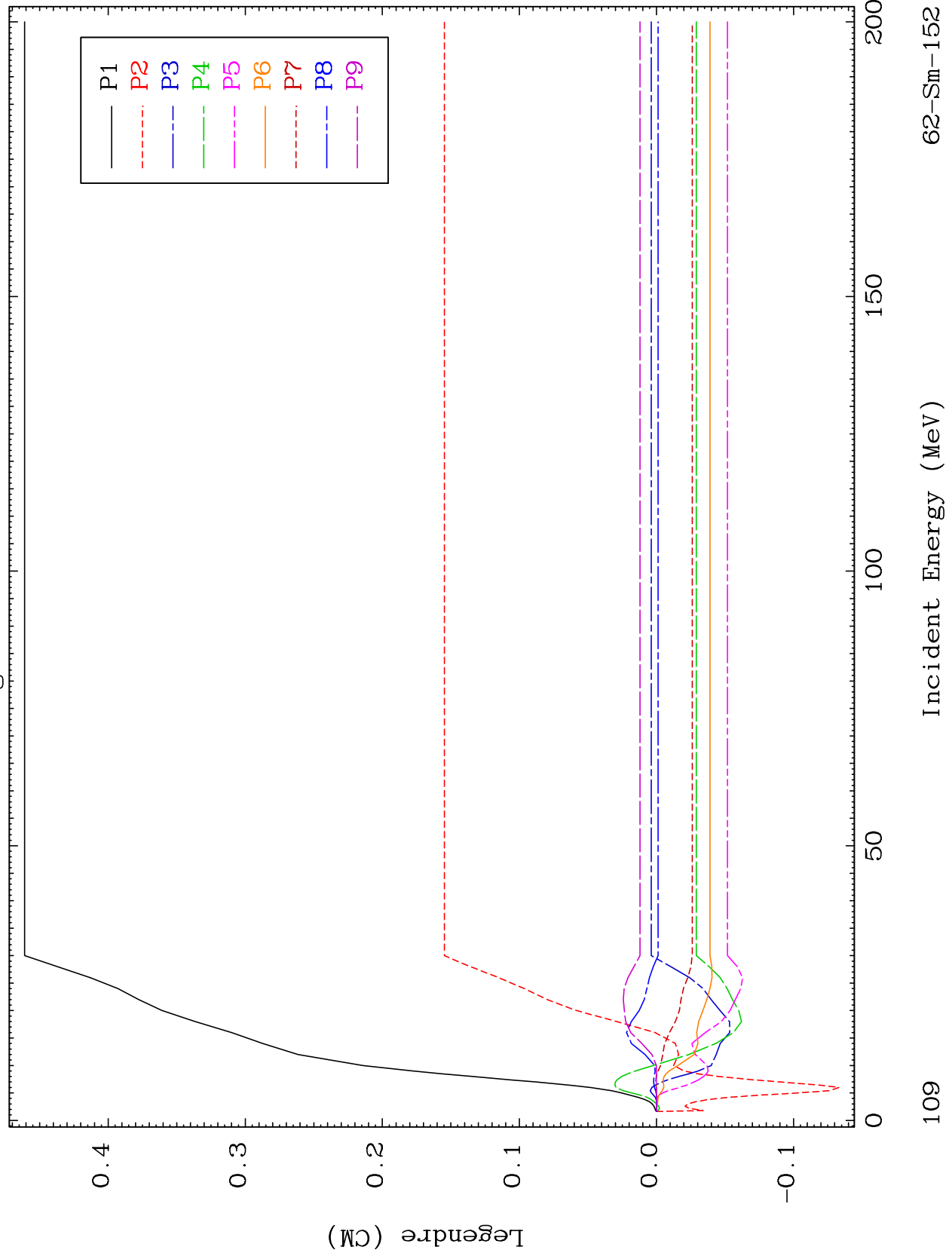
62-Sm-152



MAT 6249

1.613 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



62-Sm-152

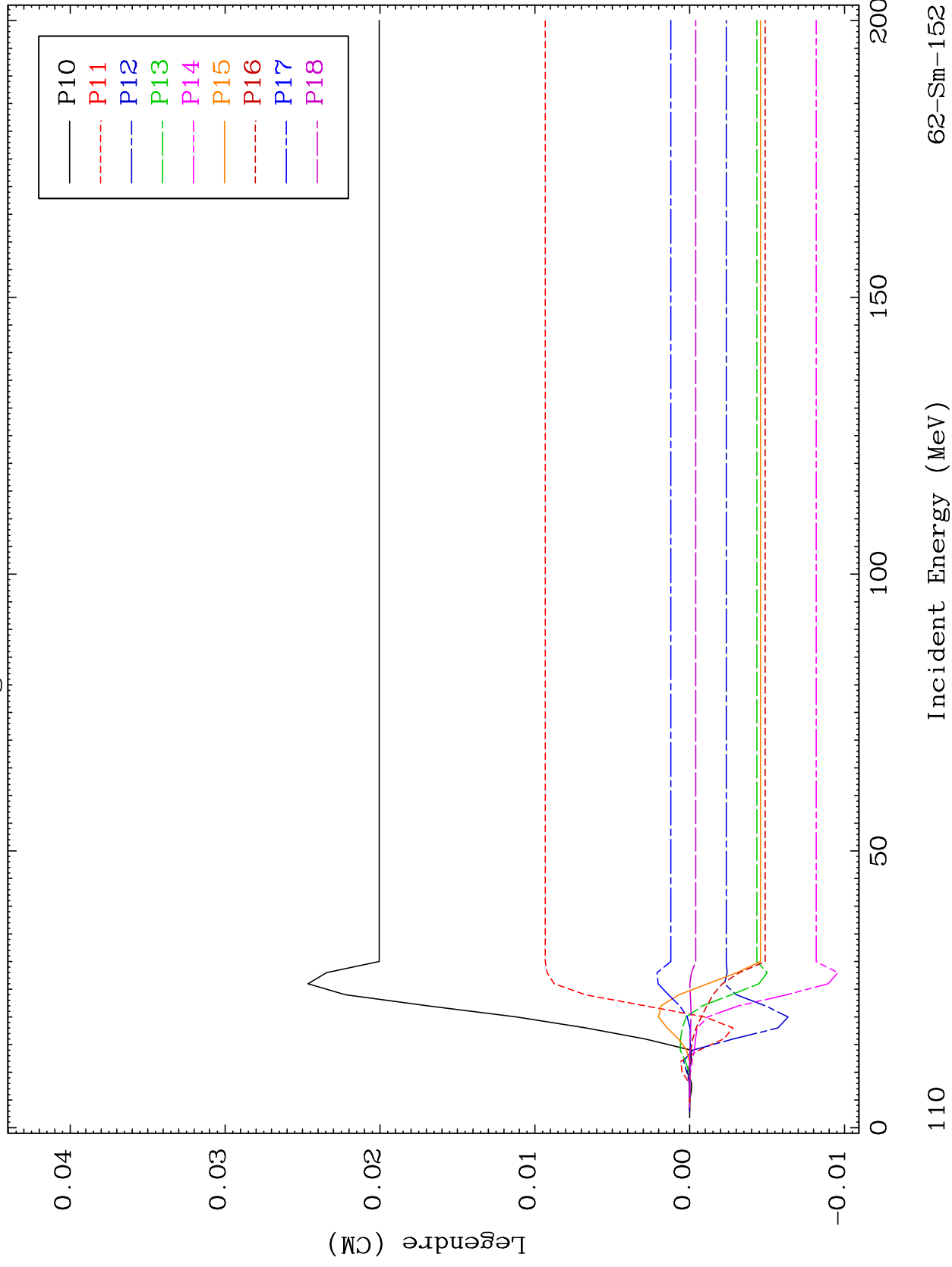
Incident Energy (MeV)

109

MAT 6249

1.613 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



62-Sm-152

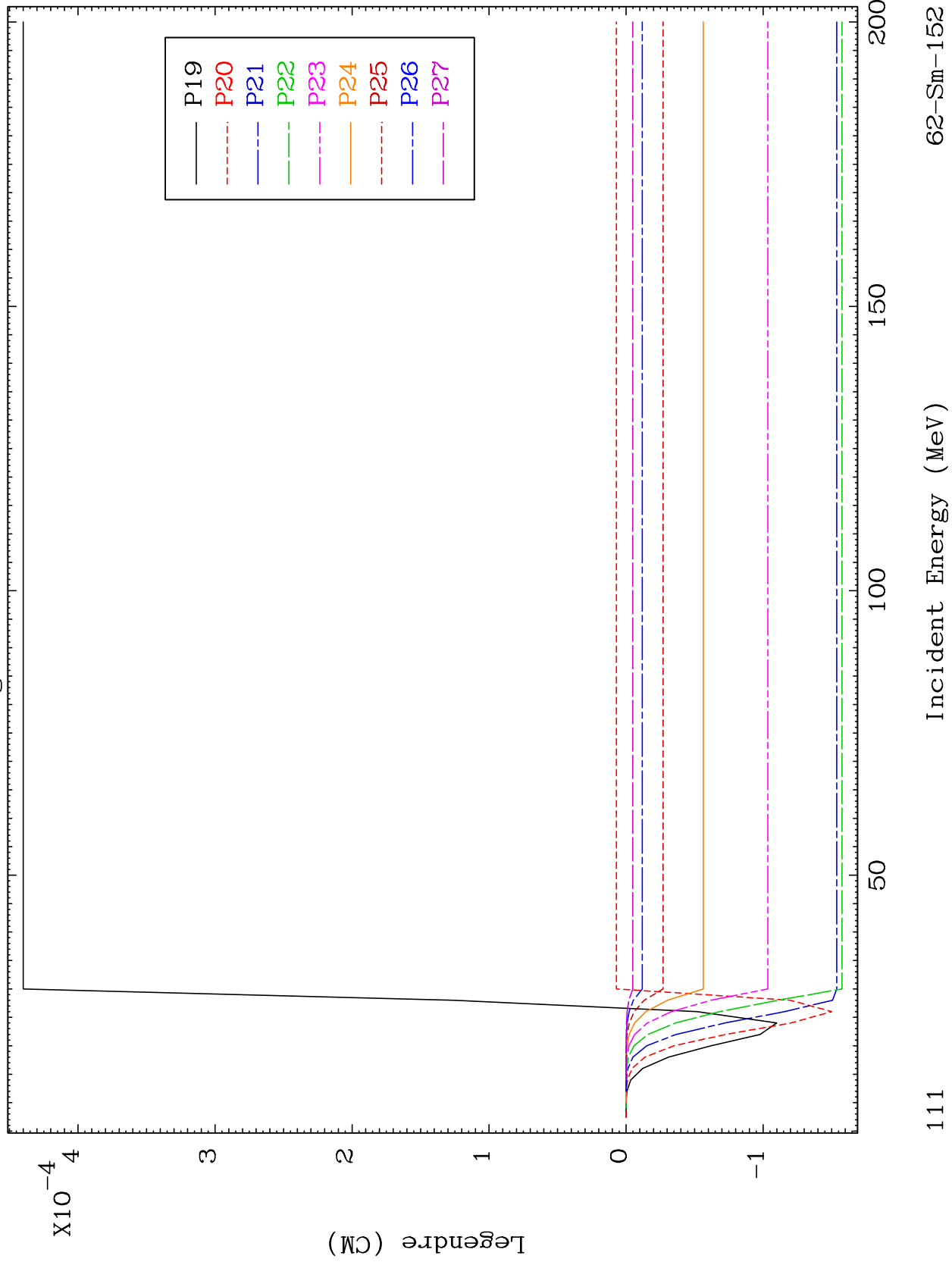
Incident Energy (MeV)

110

MAT 6249

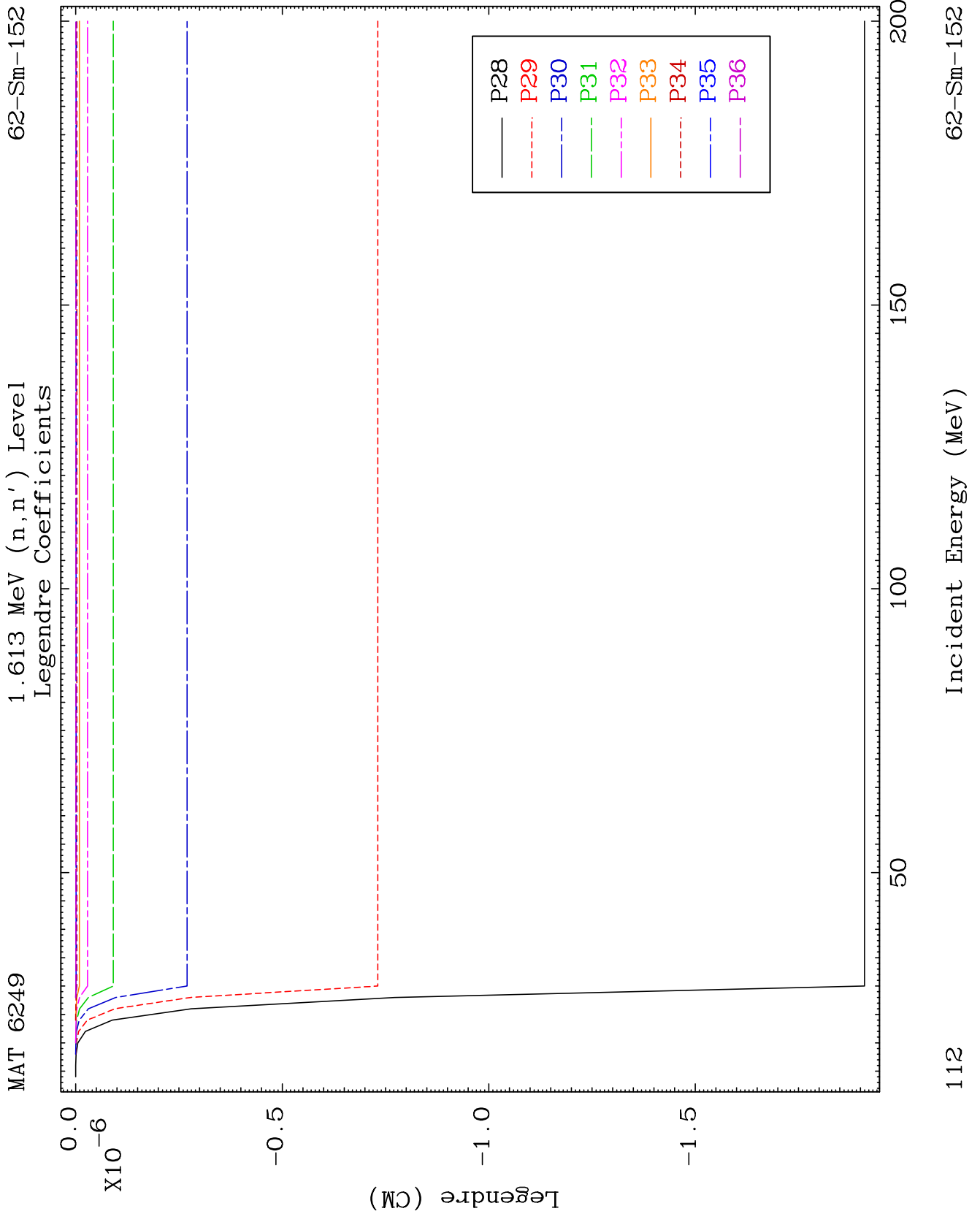
1.613 MeV (n, n') Level  
Legendre Coefficients

62-Sm-152



111

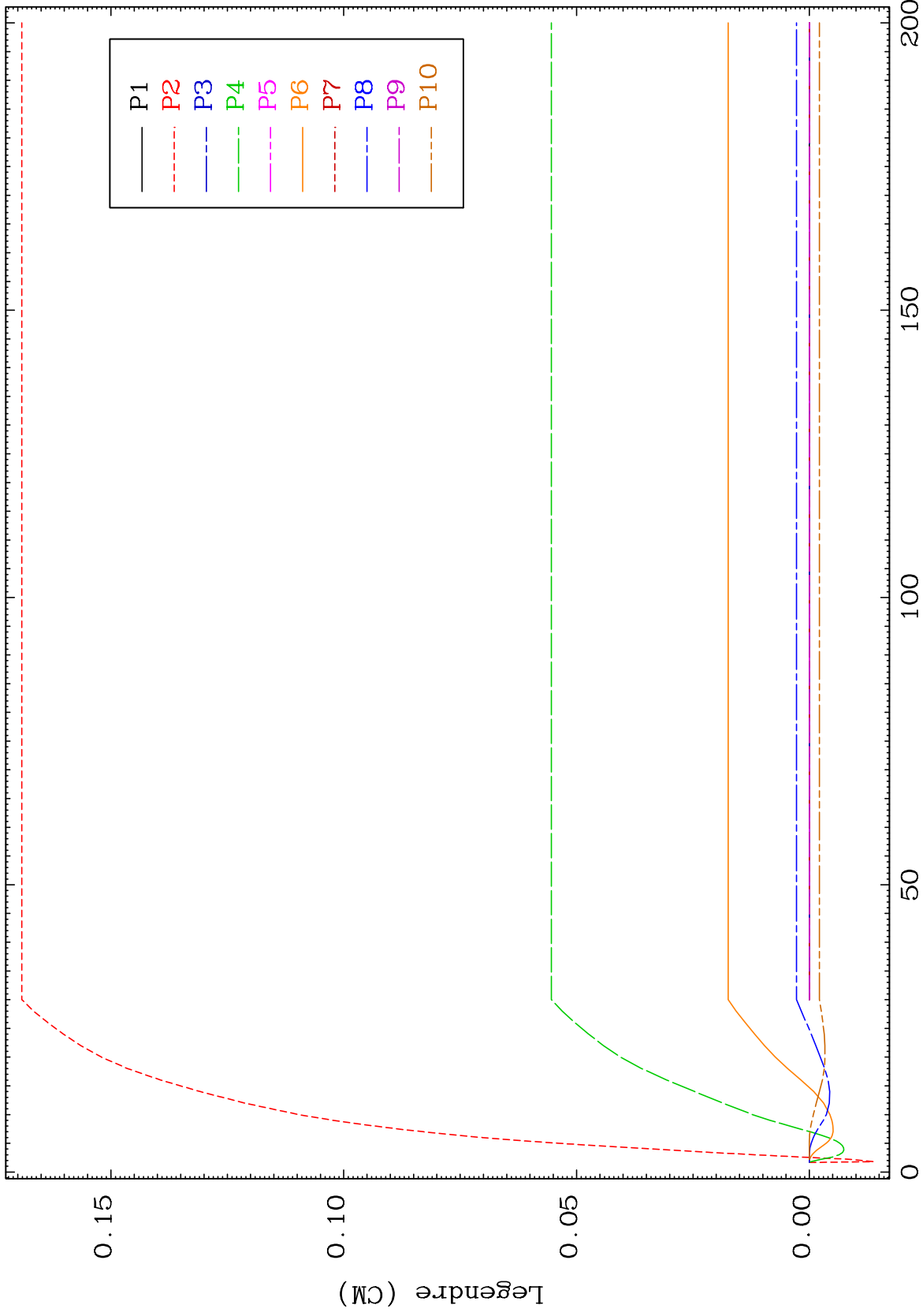




MAT 6249

1.650 MeV (n,n') Level  
Legendre Coefficients

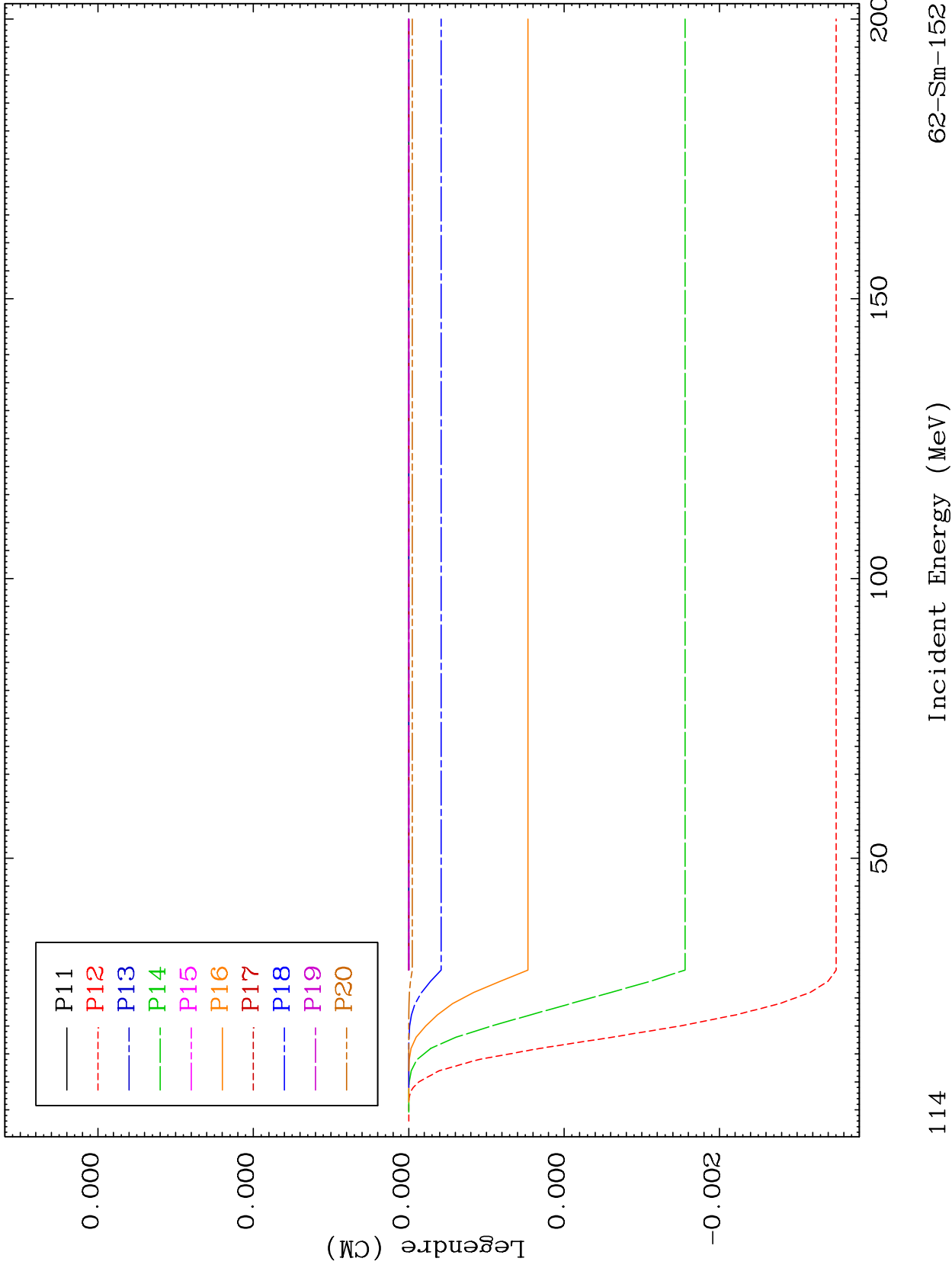
62-Sm-152

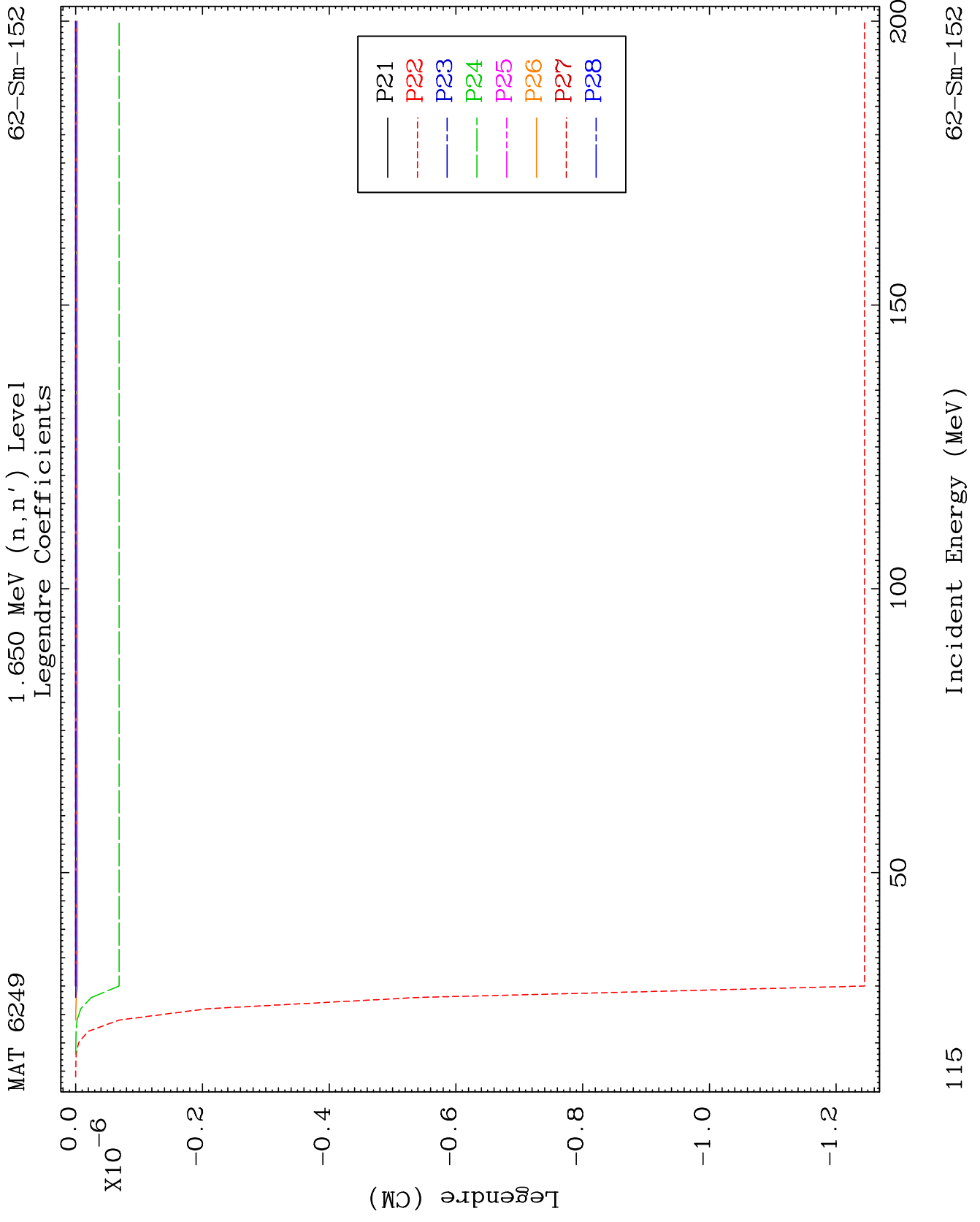


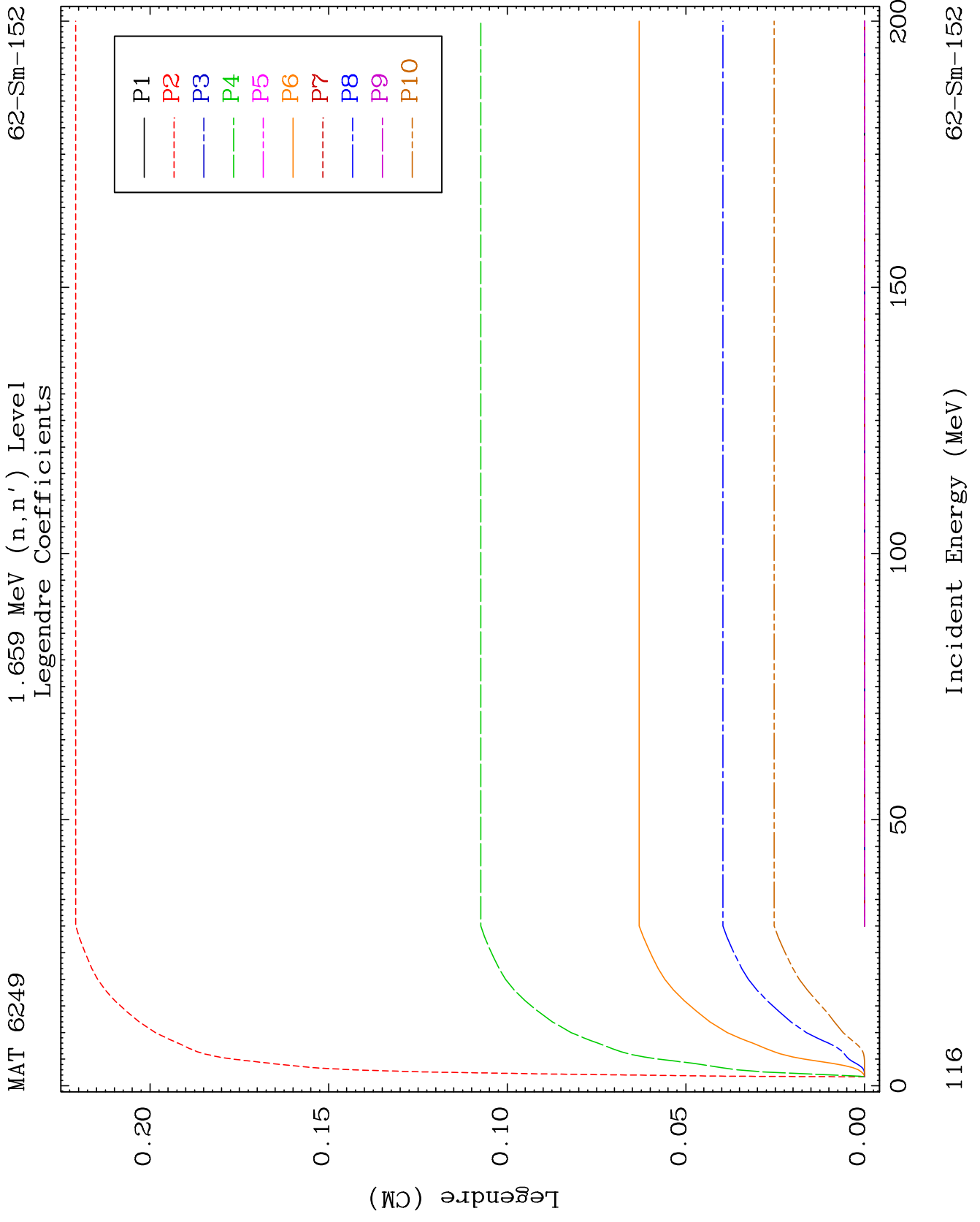
113

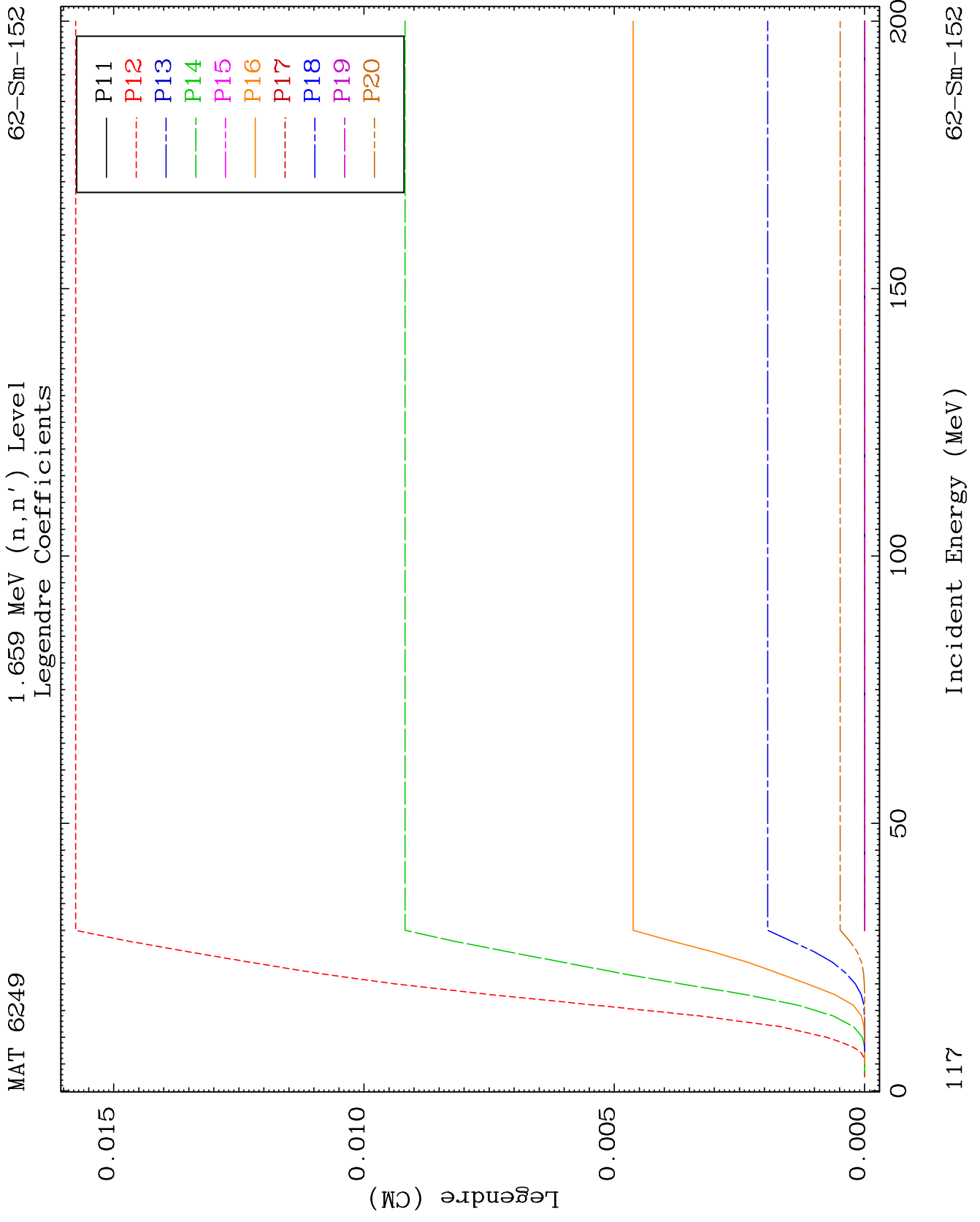
Incident Energy (MeV)

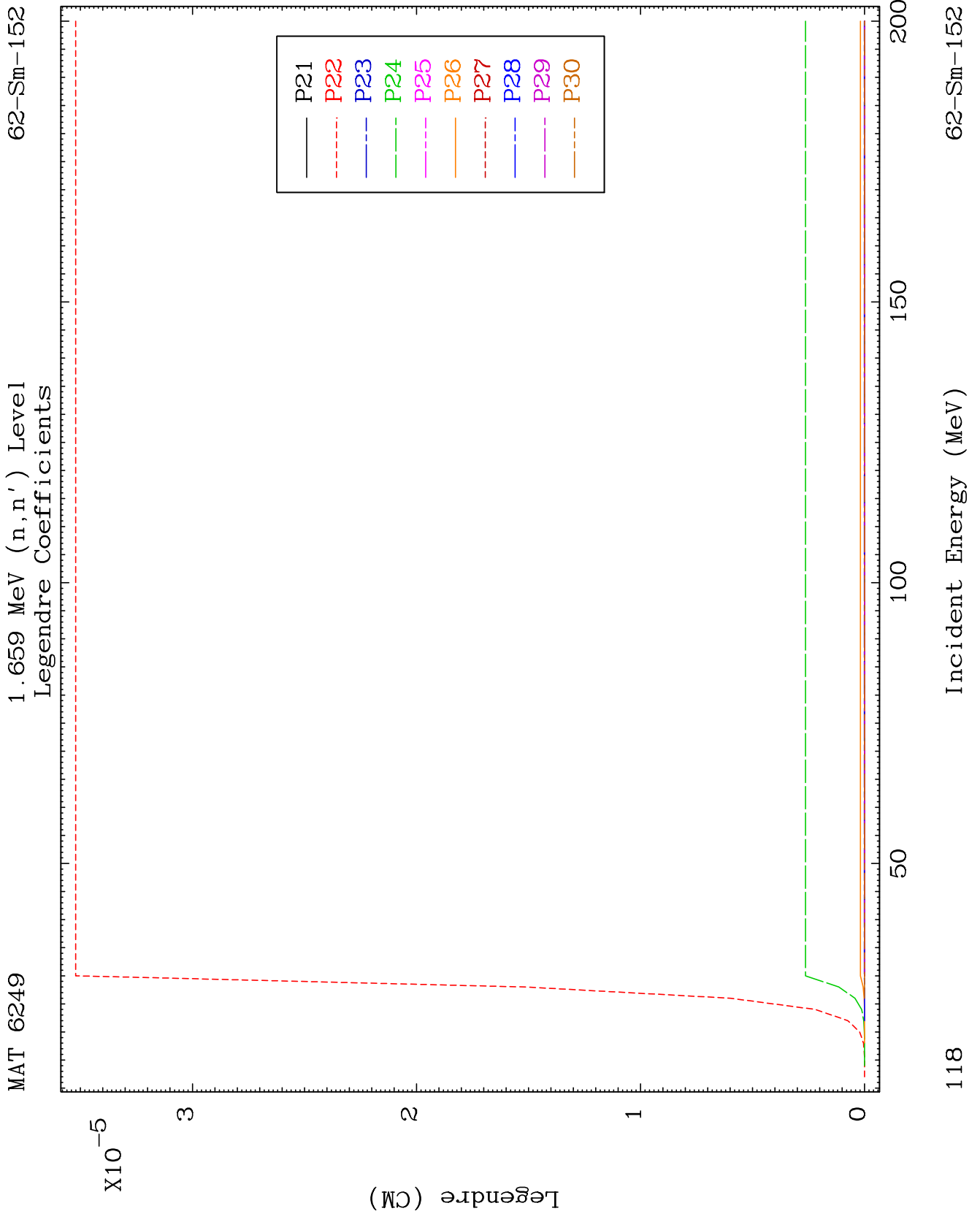
62-Sm-152







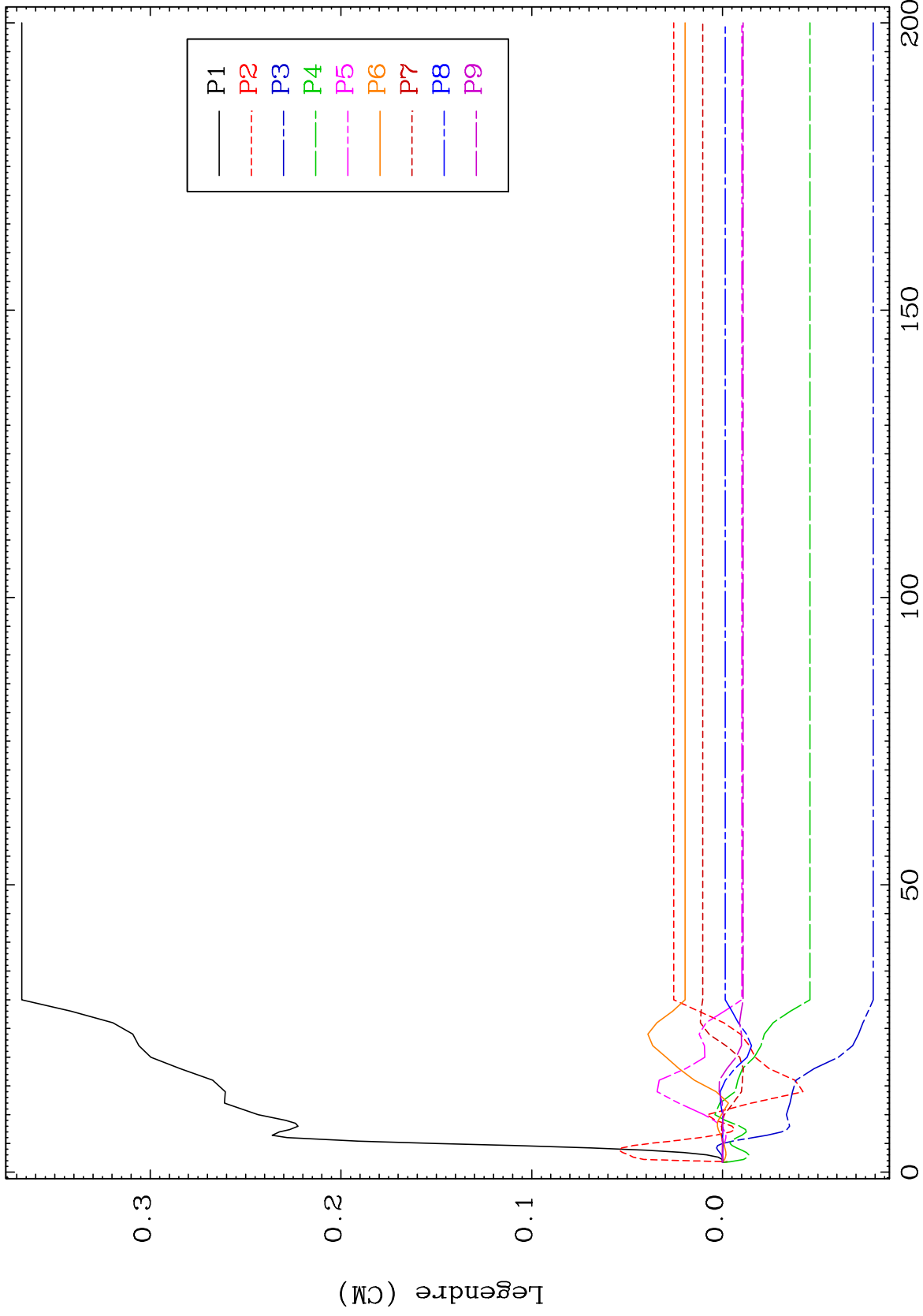




MAT 6249

1.666 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



119

Incident Energy (MeV)

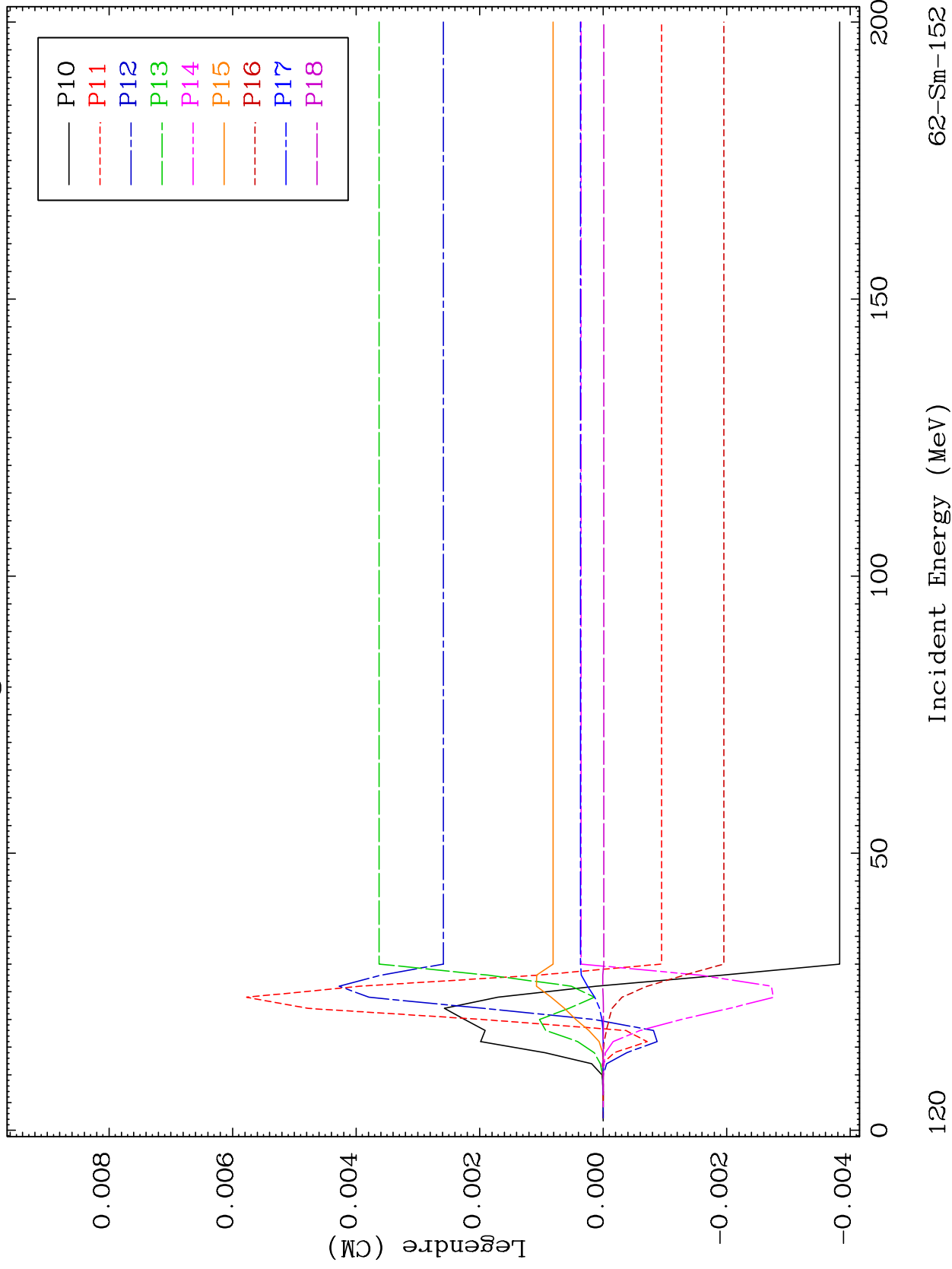
62-Sm-152



MAT 6249

1.666 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



62-Sm-152

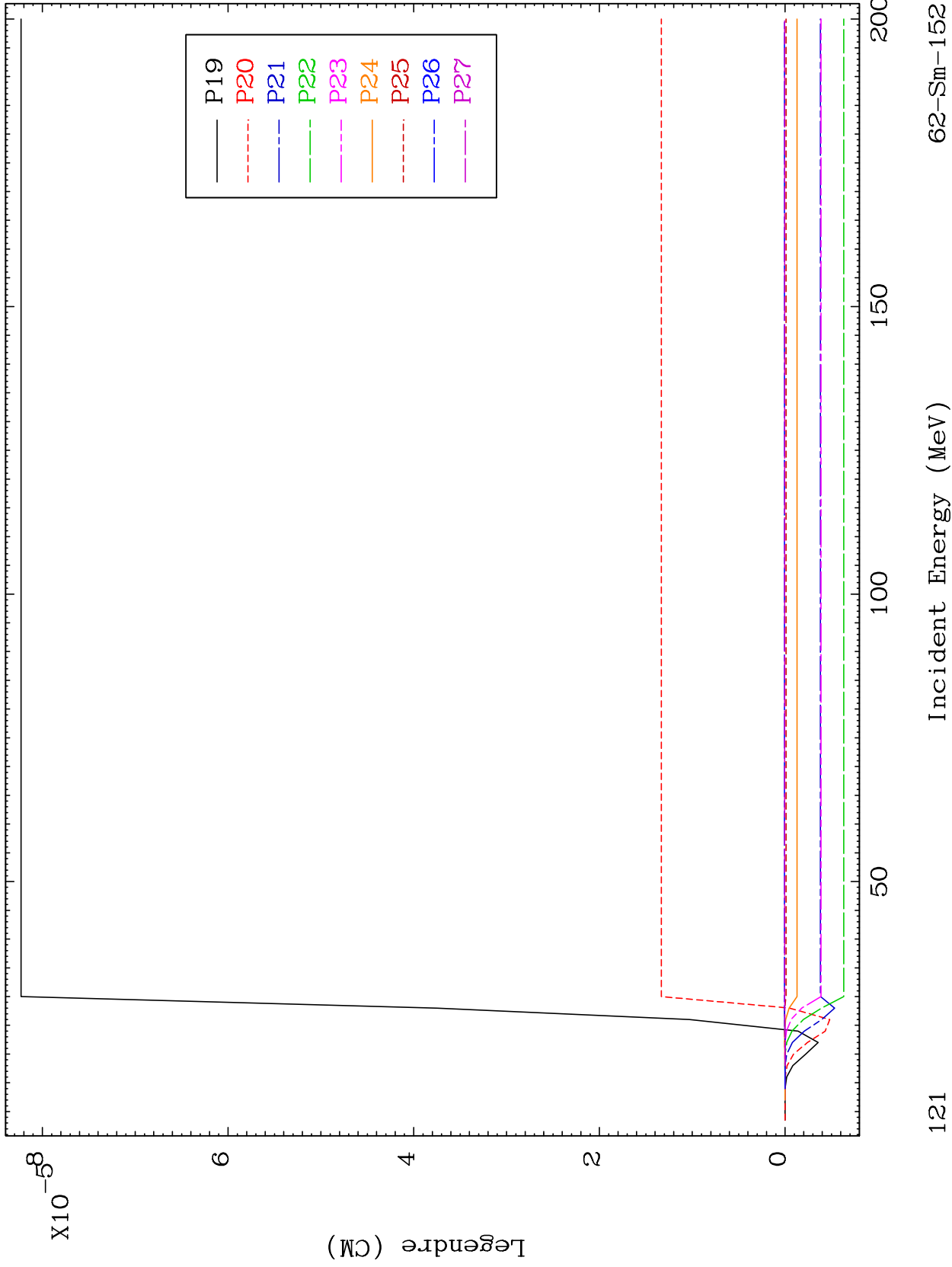
Incident Energy (MeV)

120

MAT 6249

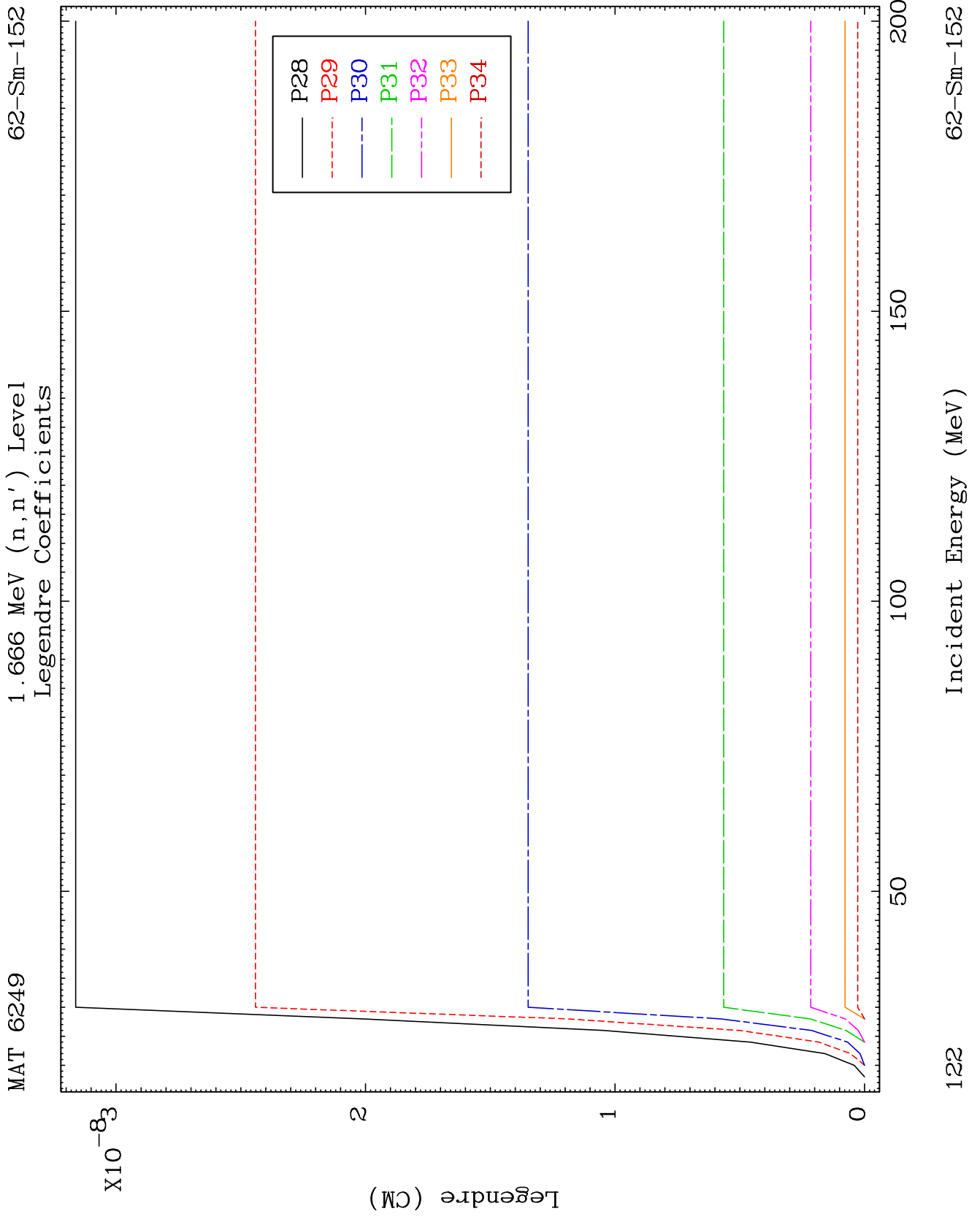
1.666 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



121

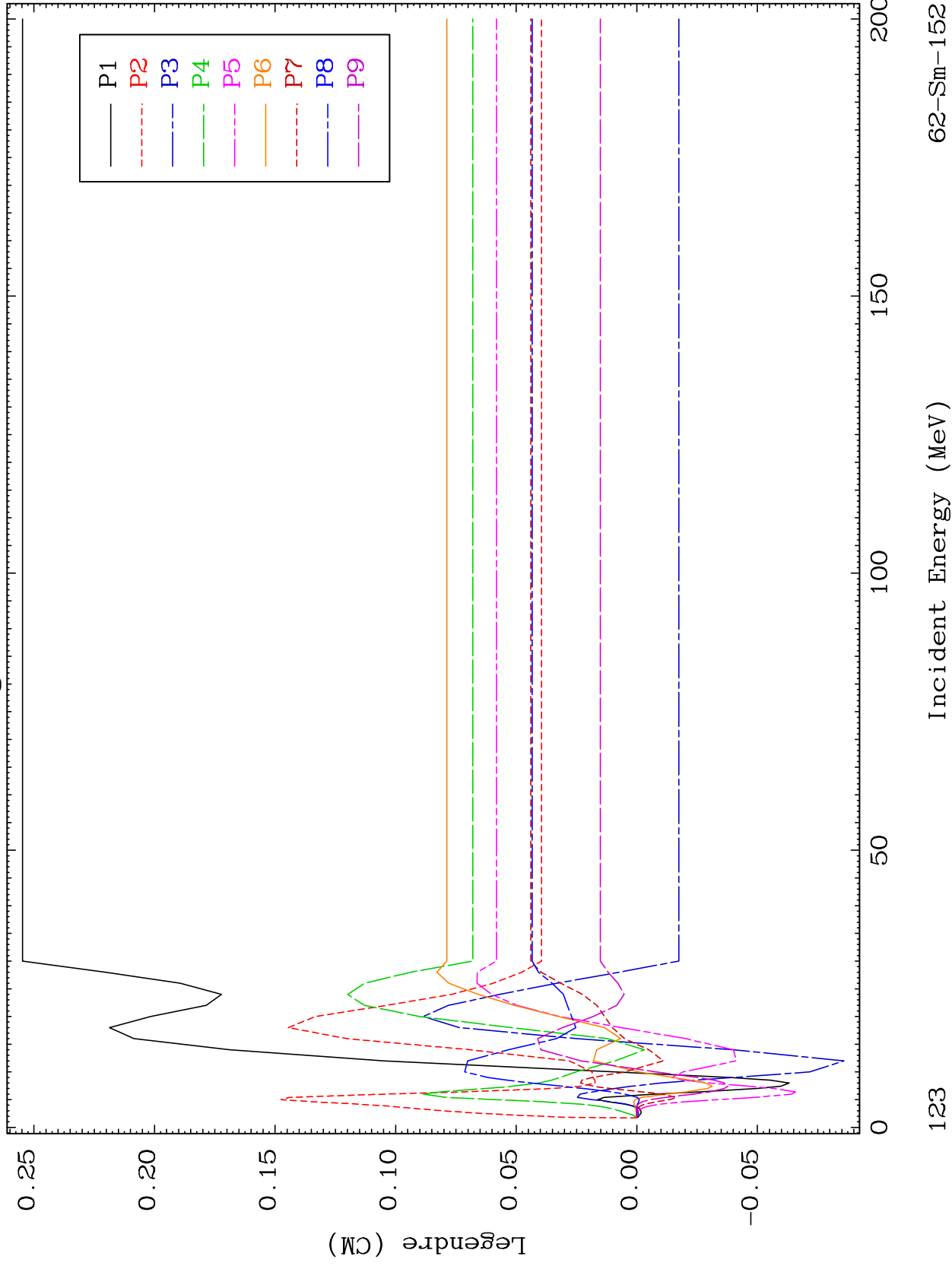
62-Sm-152



MAT 6249

1.681 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152

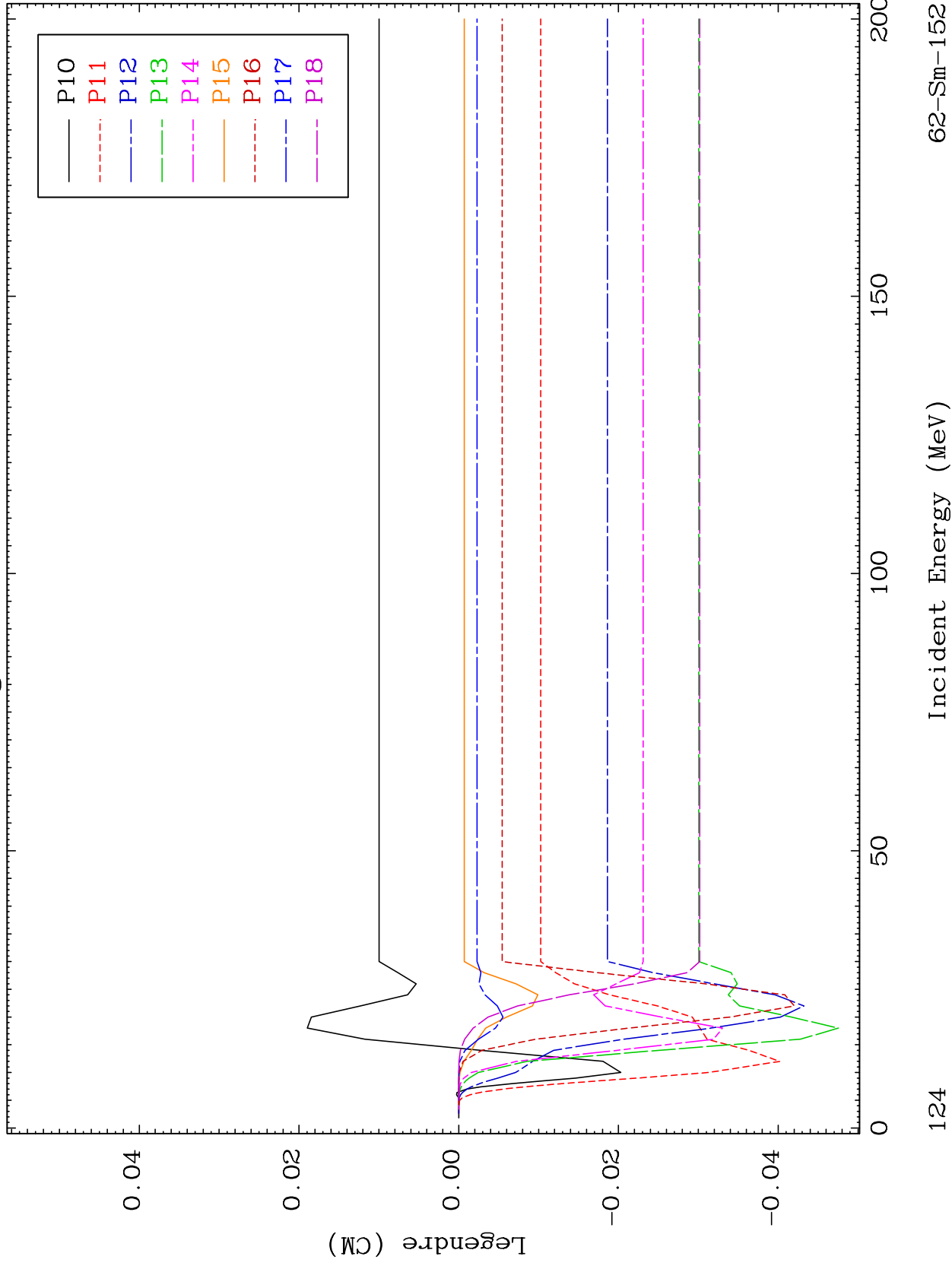


123

MAT 6249

1.681 MeV (n,n') Level  
Legendre Coefficients

62-Sm-152



124

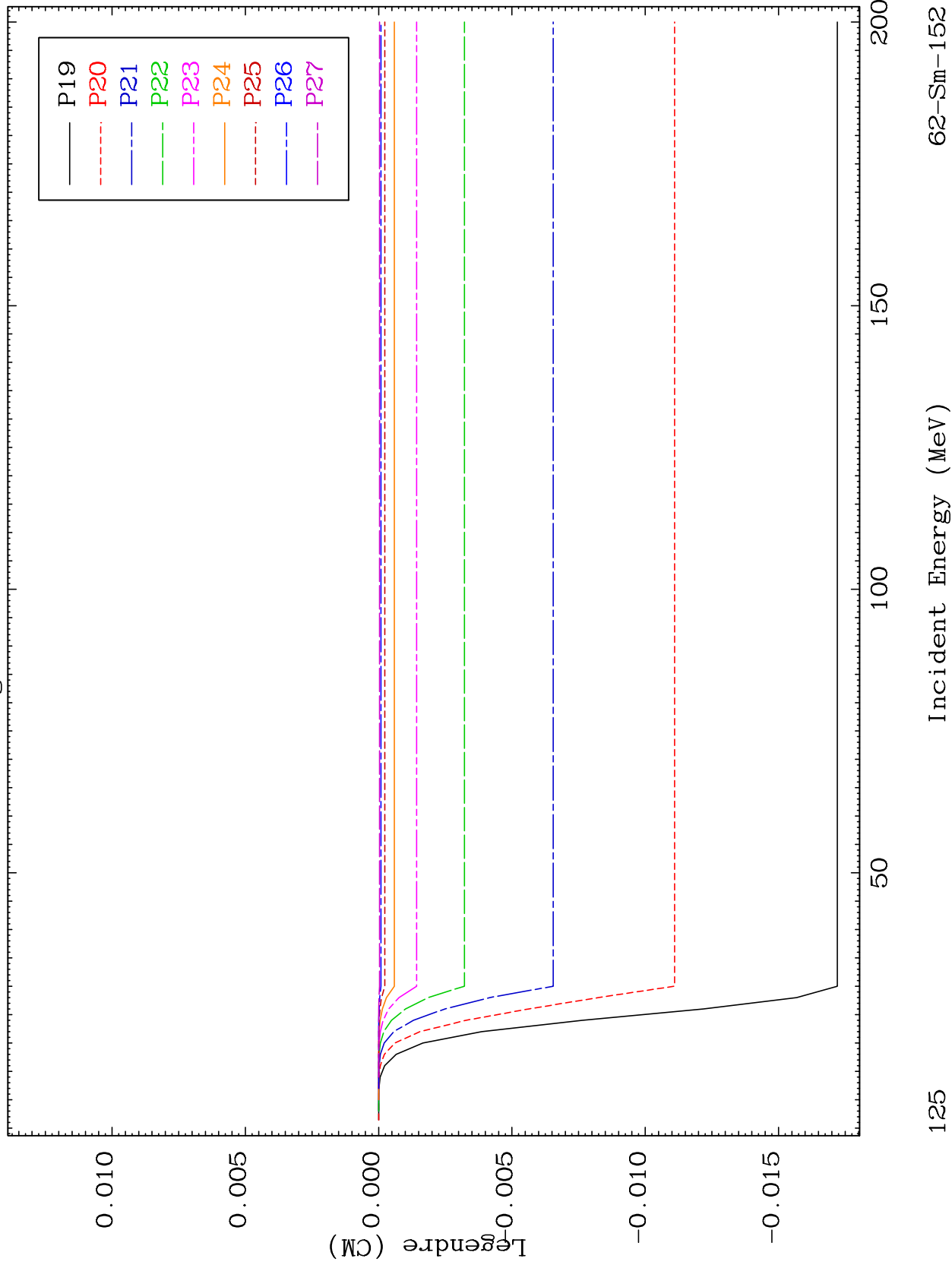
Incident Energy (MeV)

62-Sm-152

MAT 6249

1.681 MeV (n,n') Level  
Legendre Coefficients

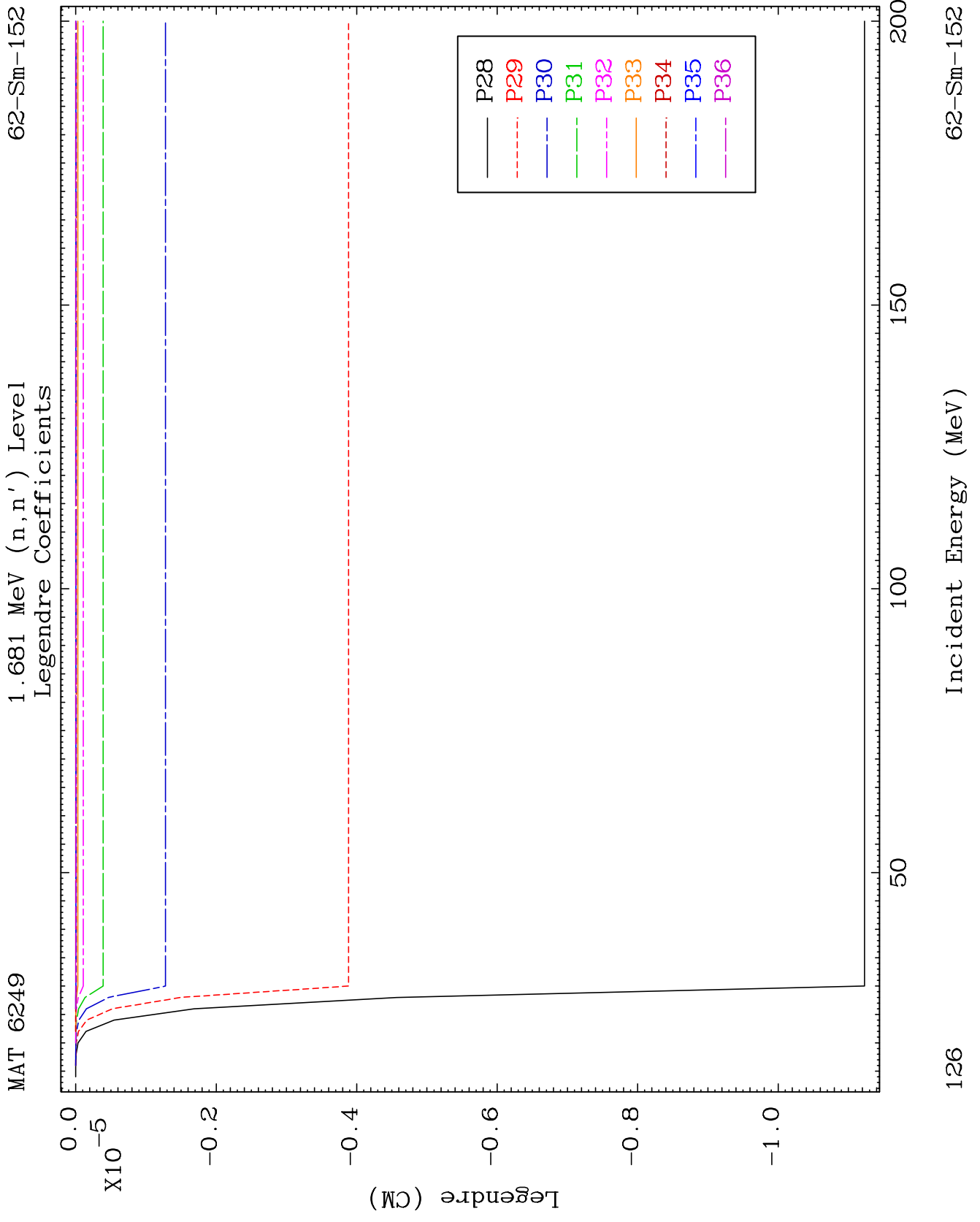
62-Sm-152

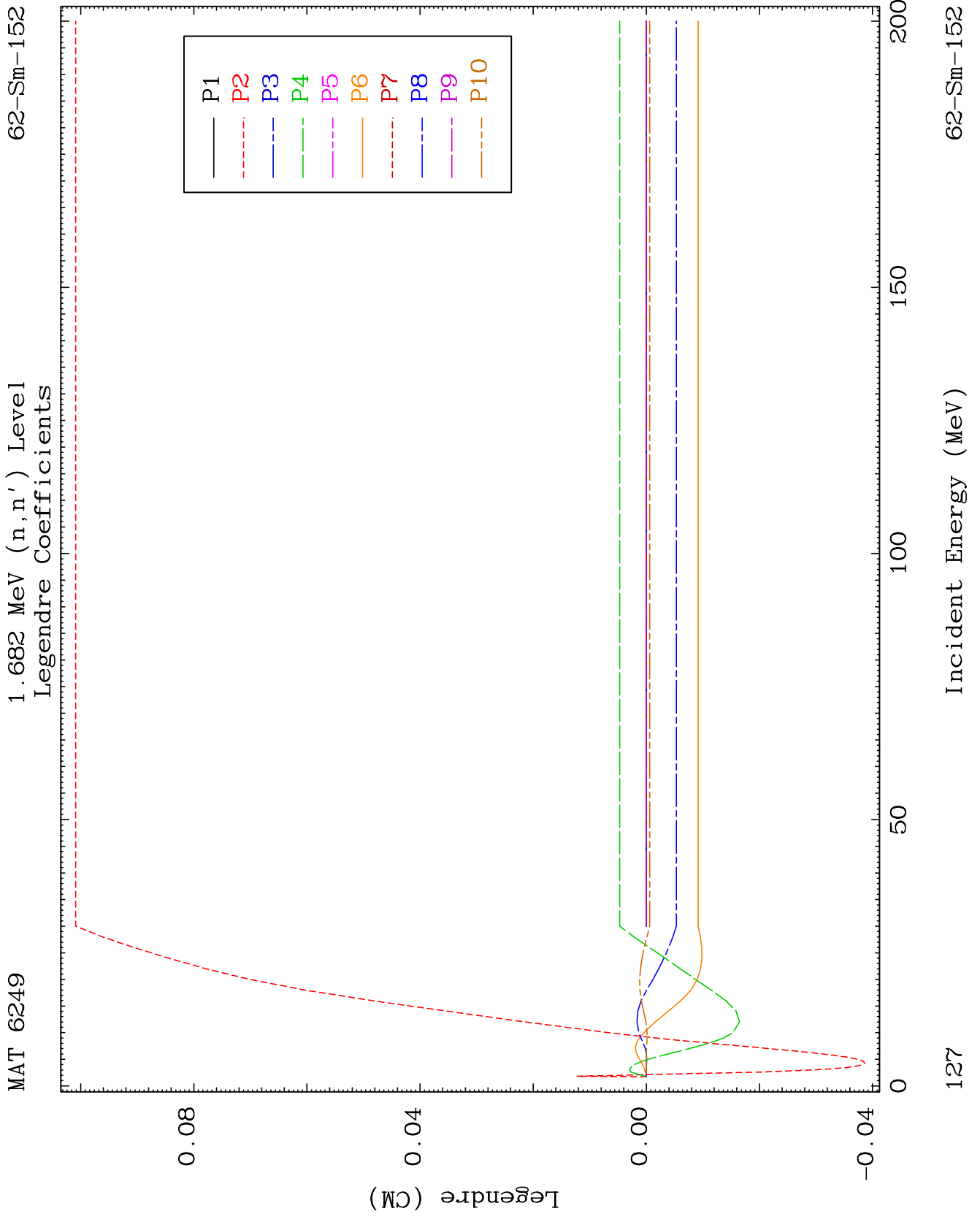


125

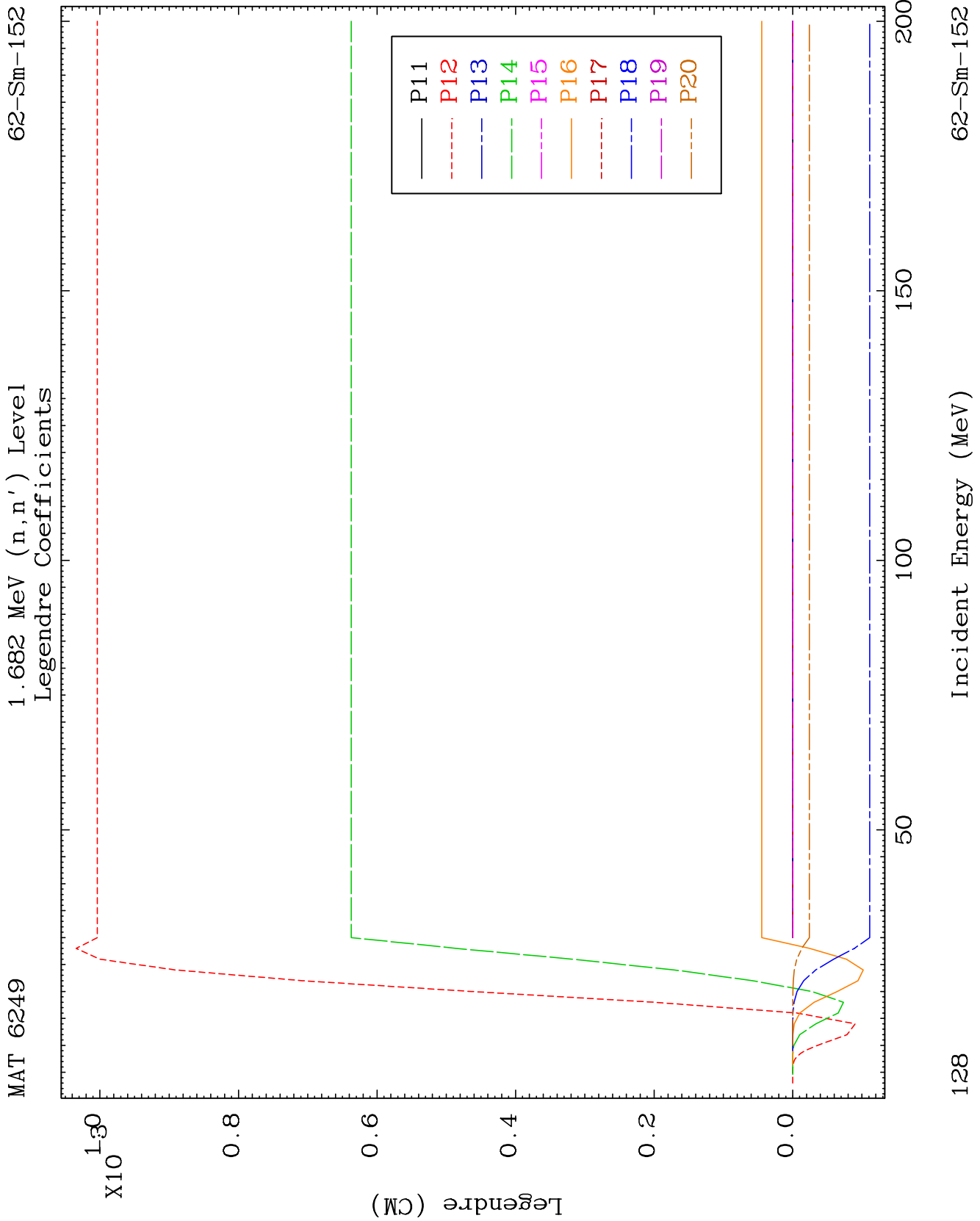
Incident Energy (MeV)

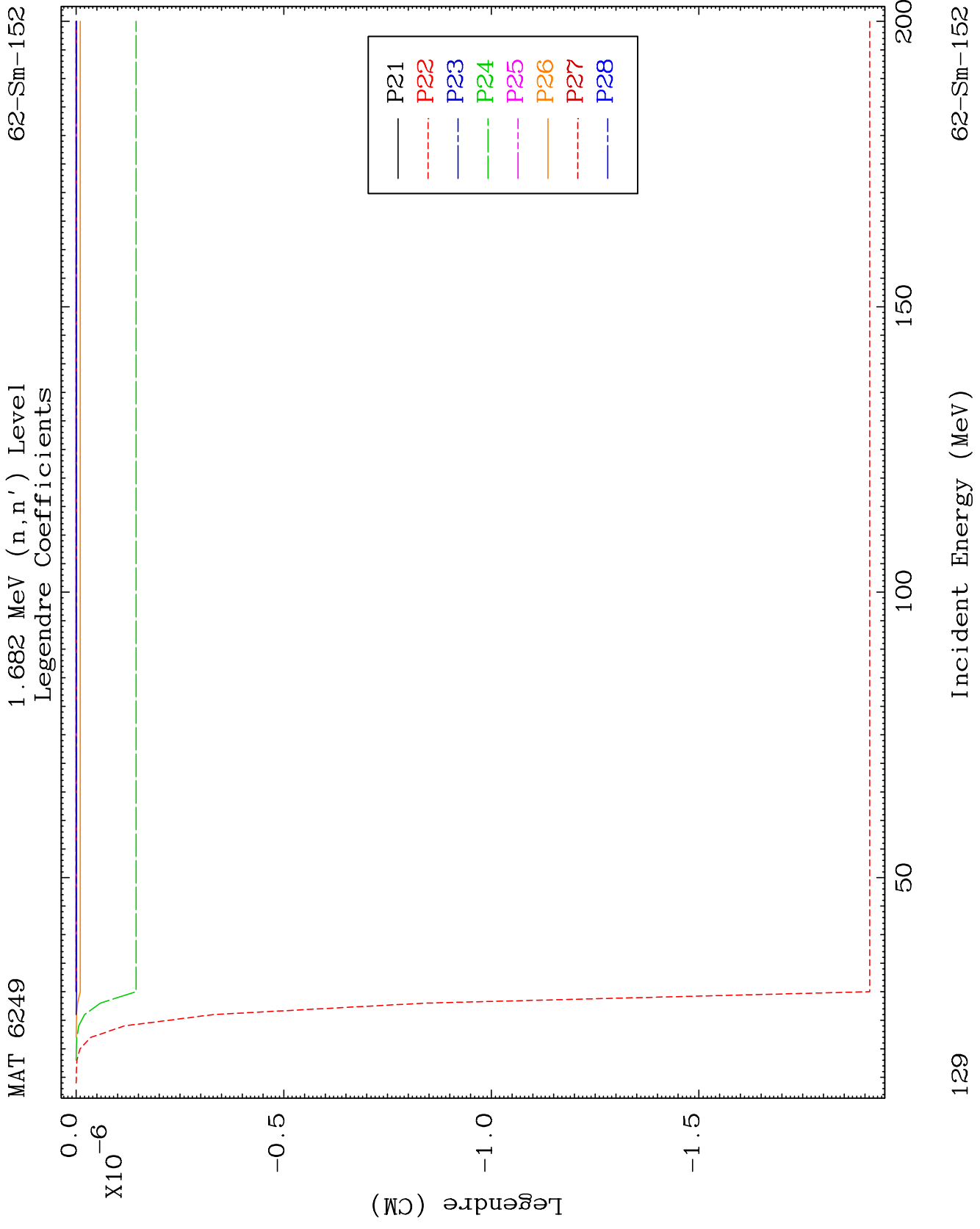
62-Sm-152







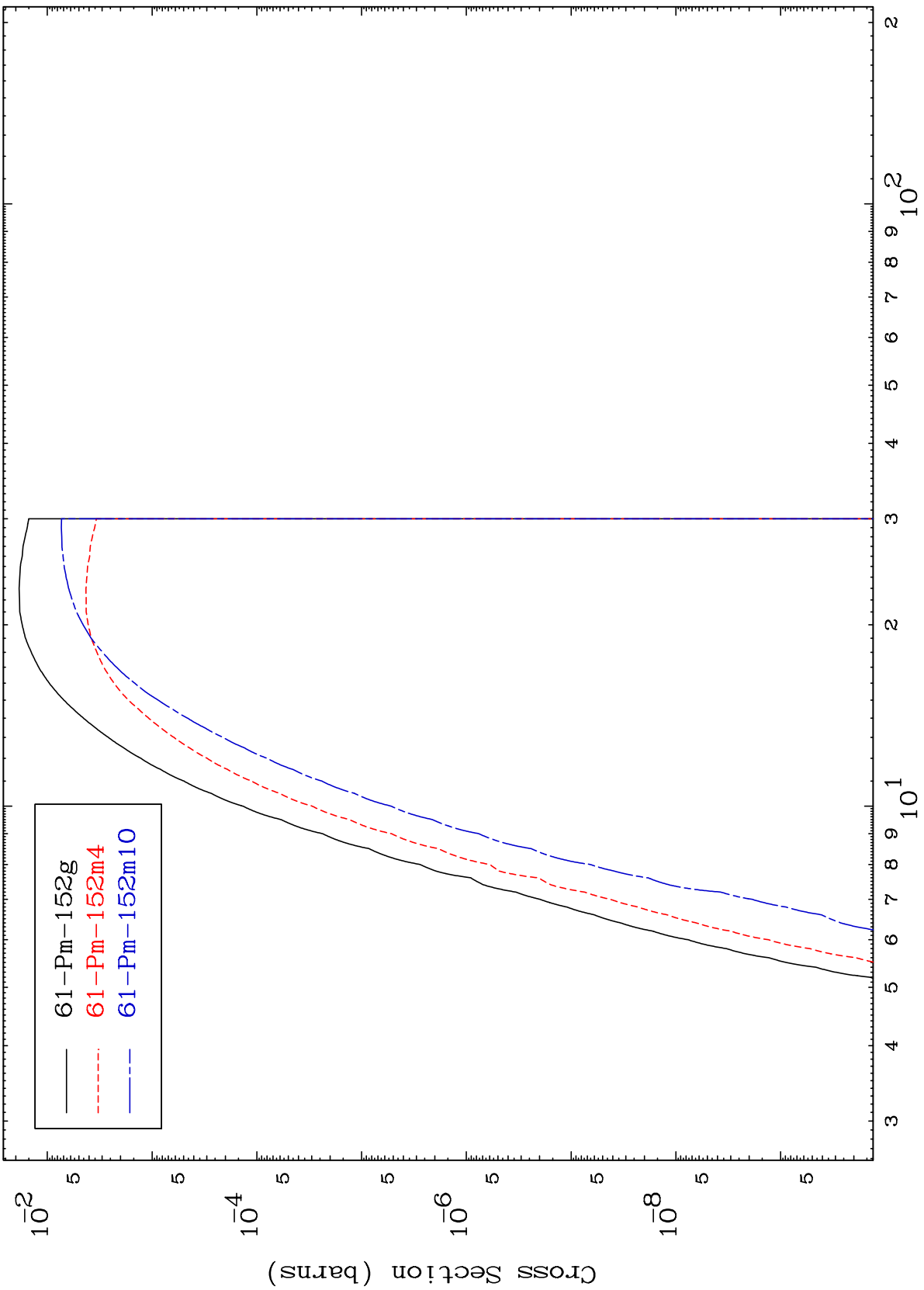




MAT 6249

62-Sm-152

(n,p)  
Radionuclide Production Cross Section



61-Pm-152g  
61-Pm-152m4  
61-Pm-152m10

62-Sm-152

Incident Energy (MeV)

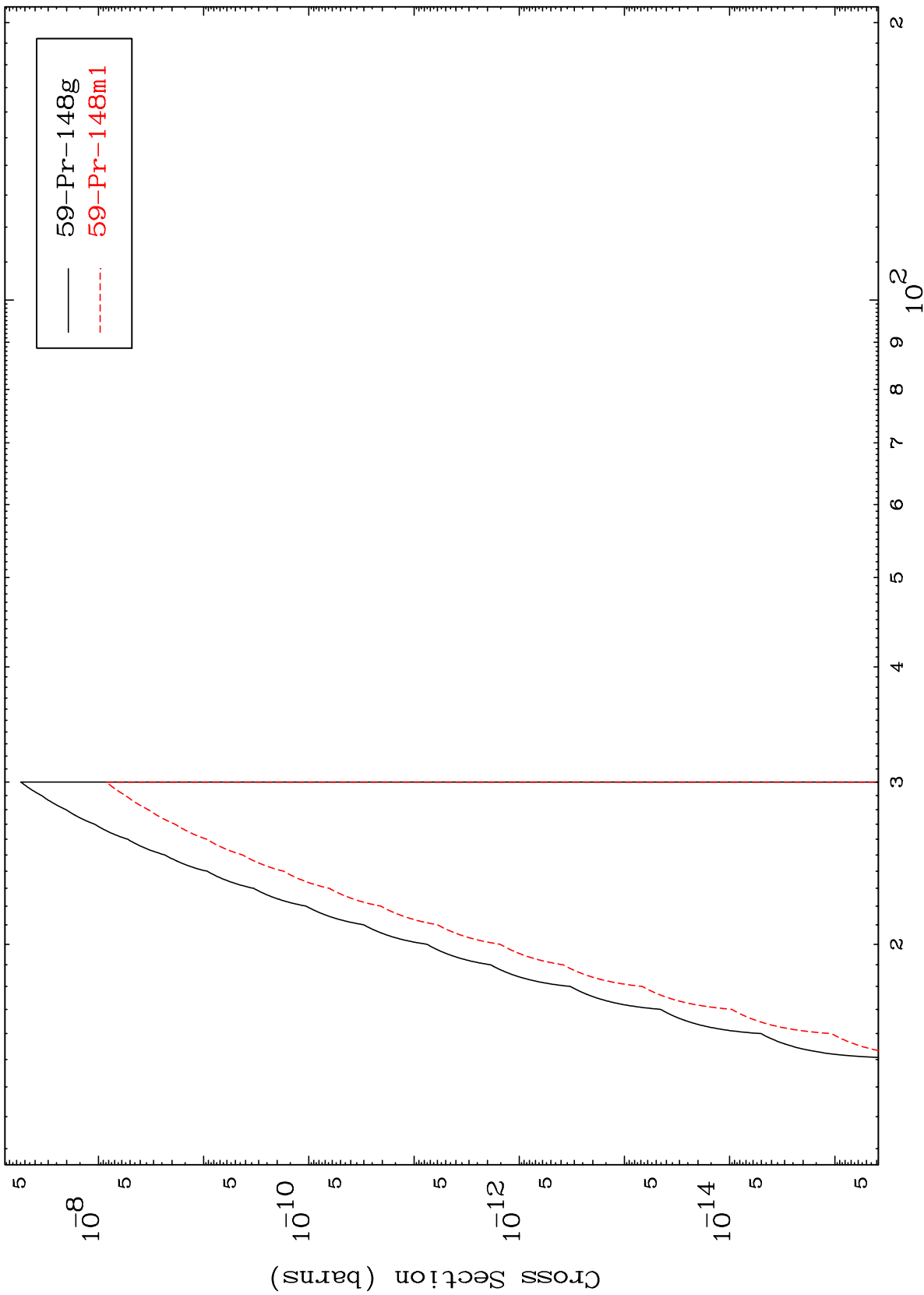
130

MAT 6249

(n,p)  $\alpha$

62-Sm-152

Radionuclide Production Cross Section



131

Incident Energy (MeV)

62-Sm-152