

Program EVALPLOT  
(Version 2015-2)

by

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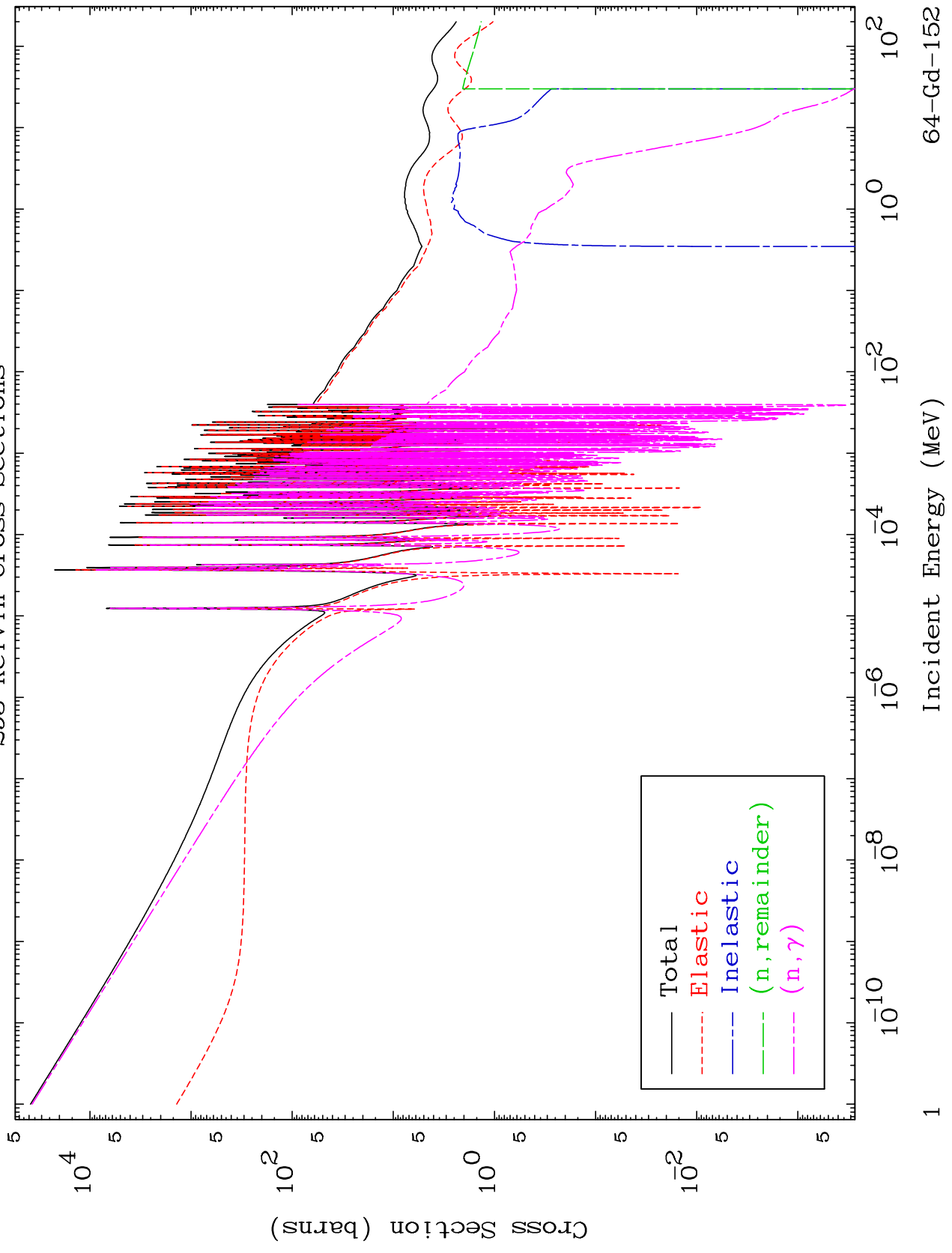
Press Mouse Button to Start

MAT 6425

Major

293 Kelvin Cross Sections

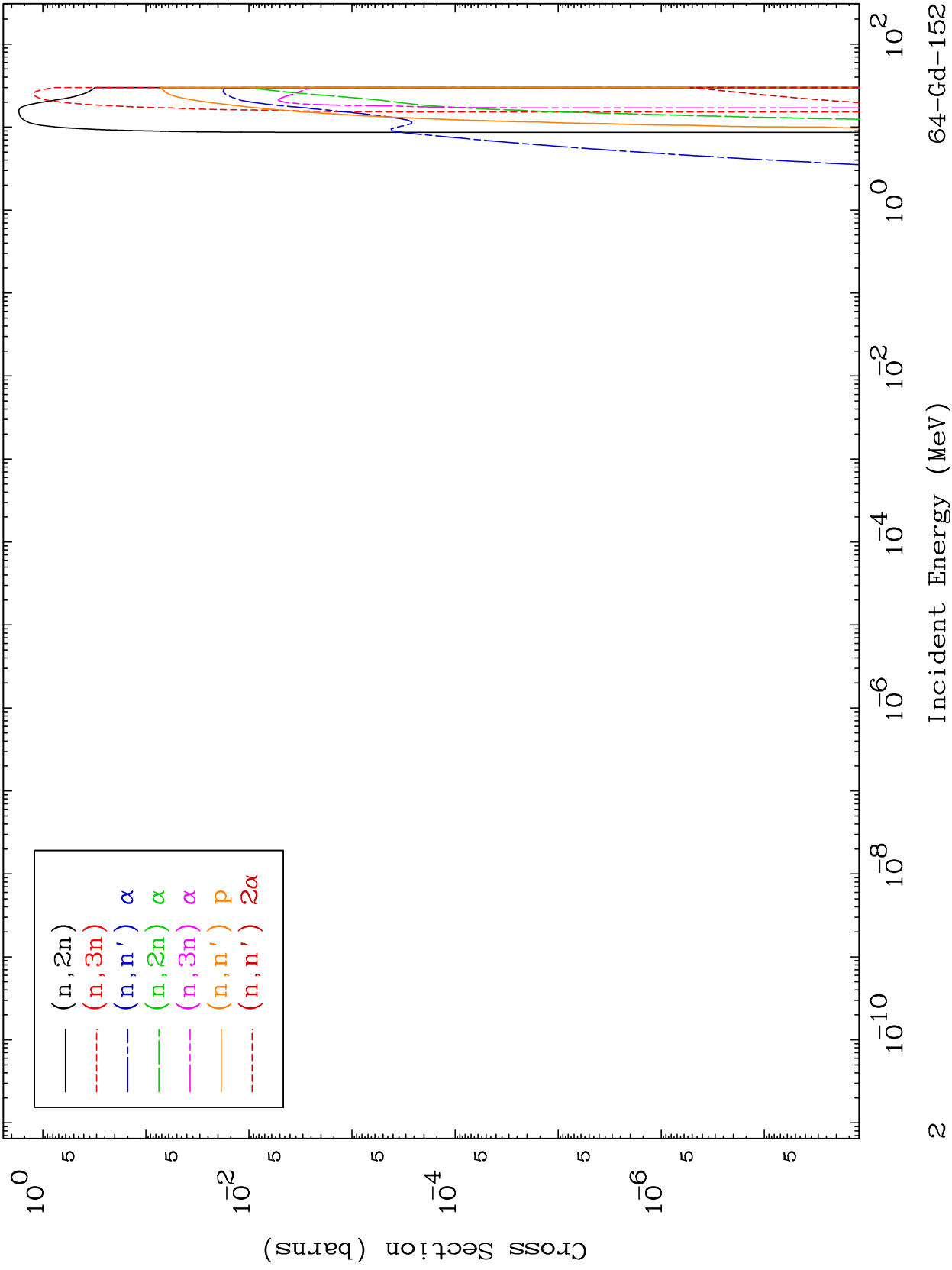
64-Gd-152

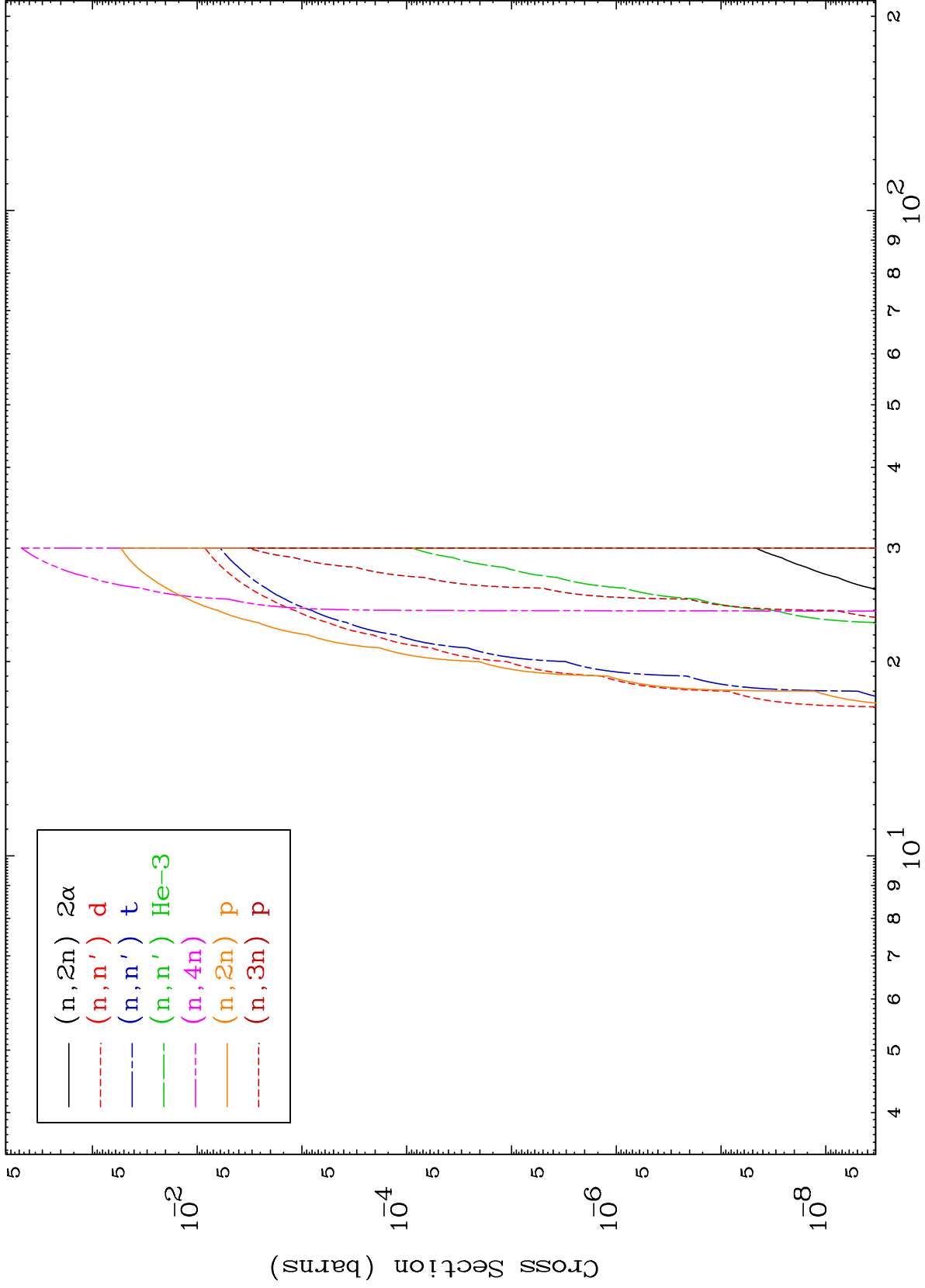


MAT 6425

Neutron Production  
293 Kelvin Cross Sections

64-Gd-152

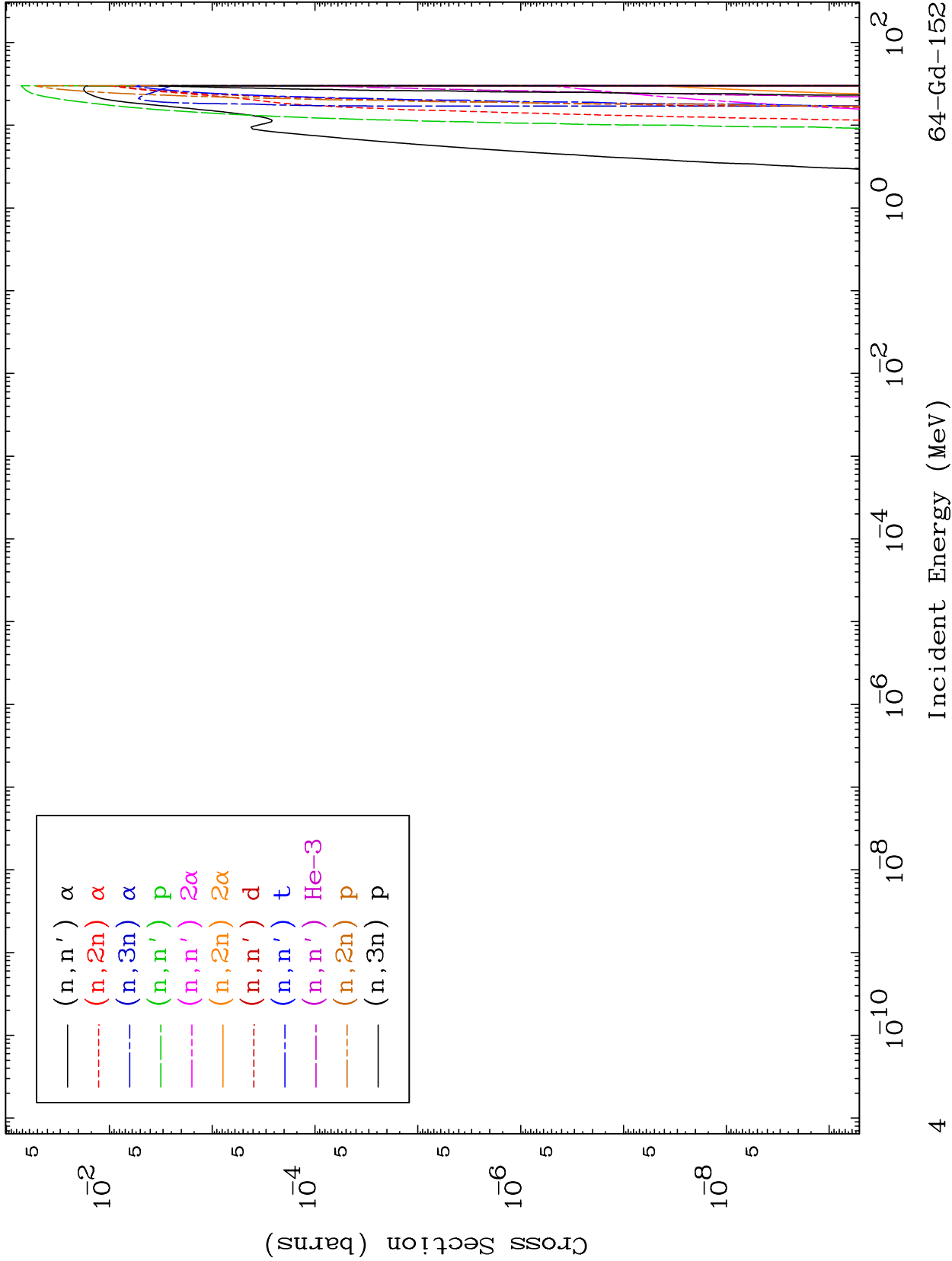




MAT 6425

Charged Particle  
293 Kelvin Cross Sections

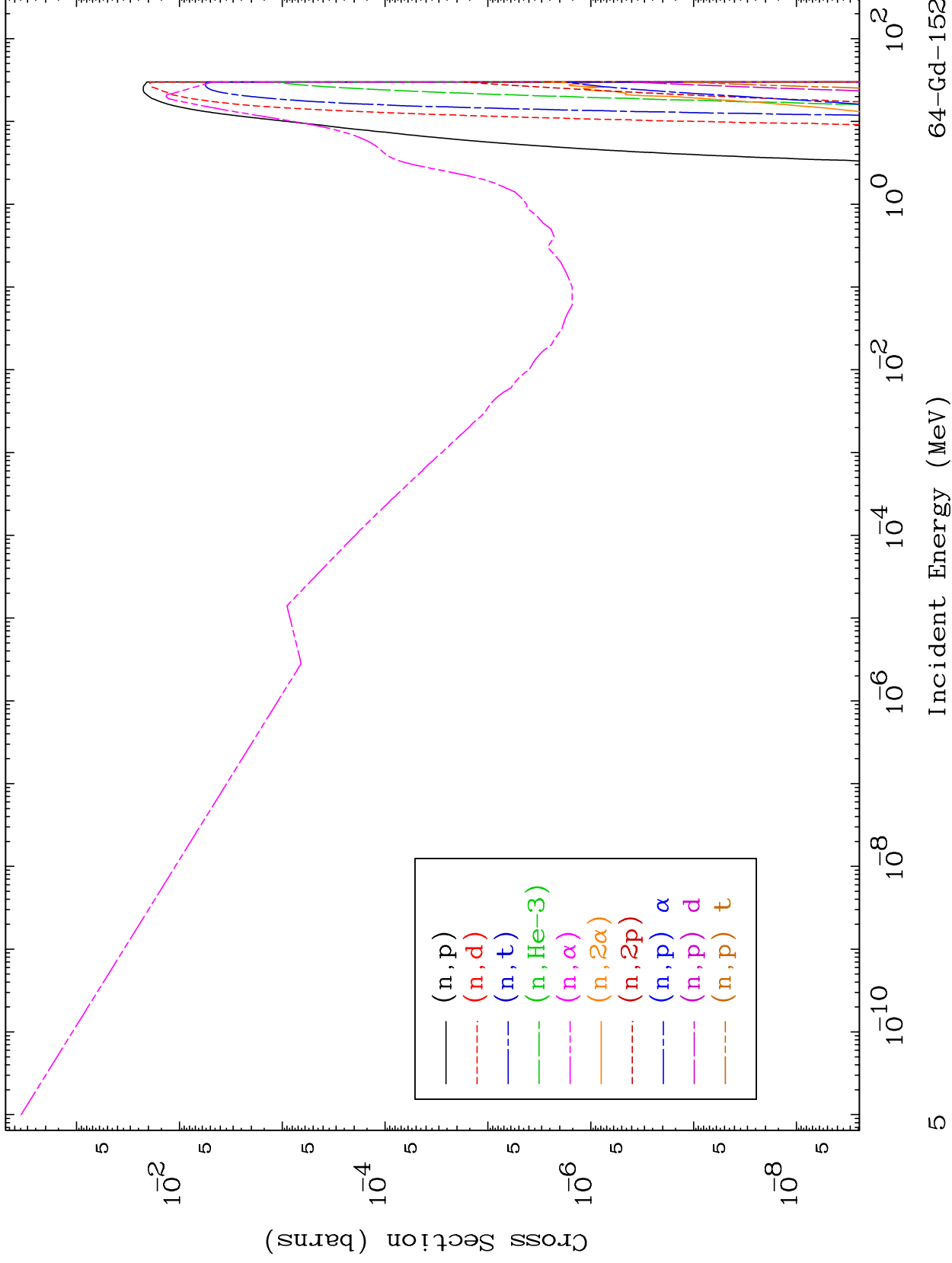
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MAT 6425

Charged Particle  
293 Kelvin Cross Sections

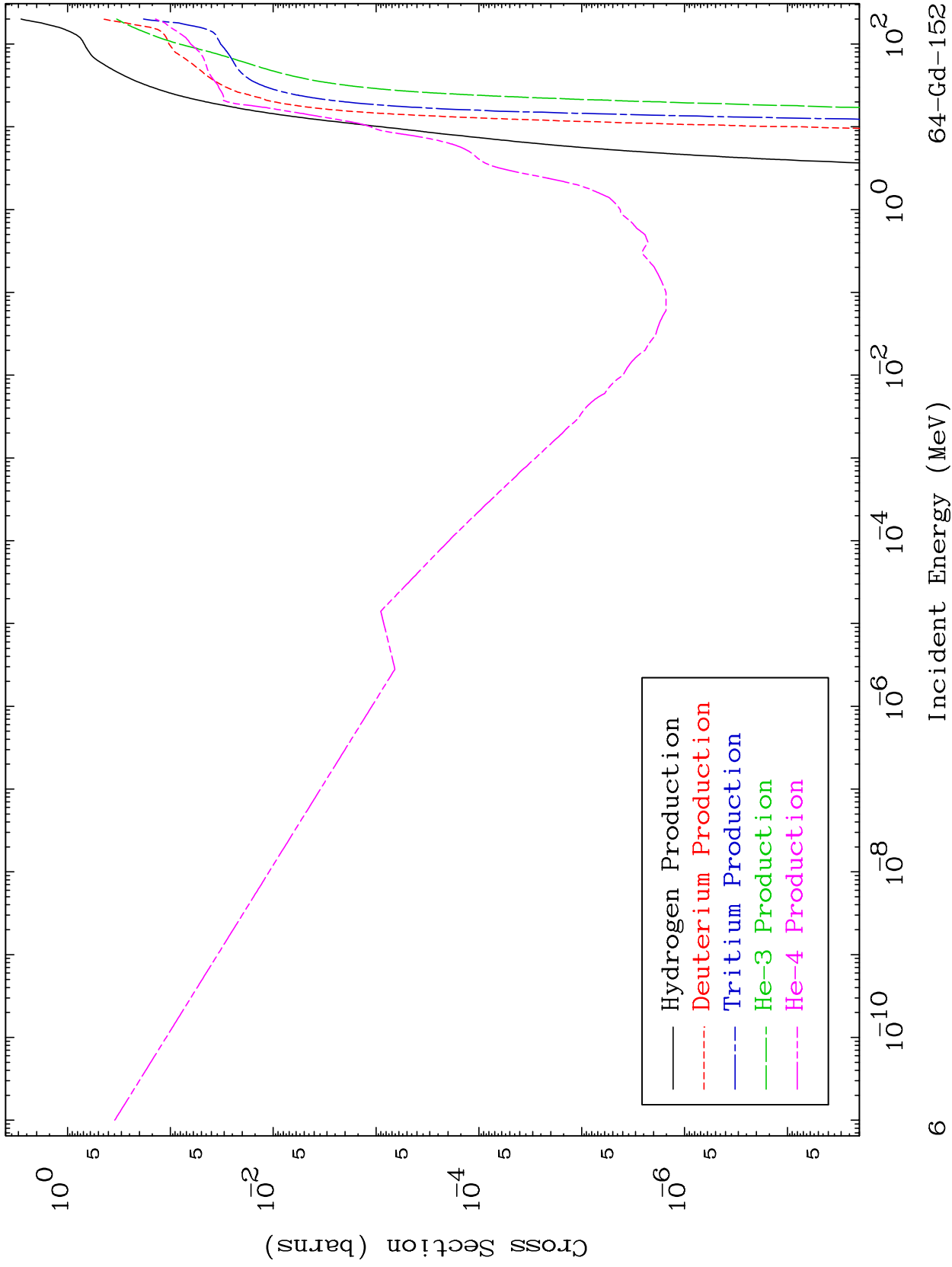
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MAT 6425

Particle Production  
293 Kelvin Cross Sections

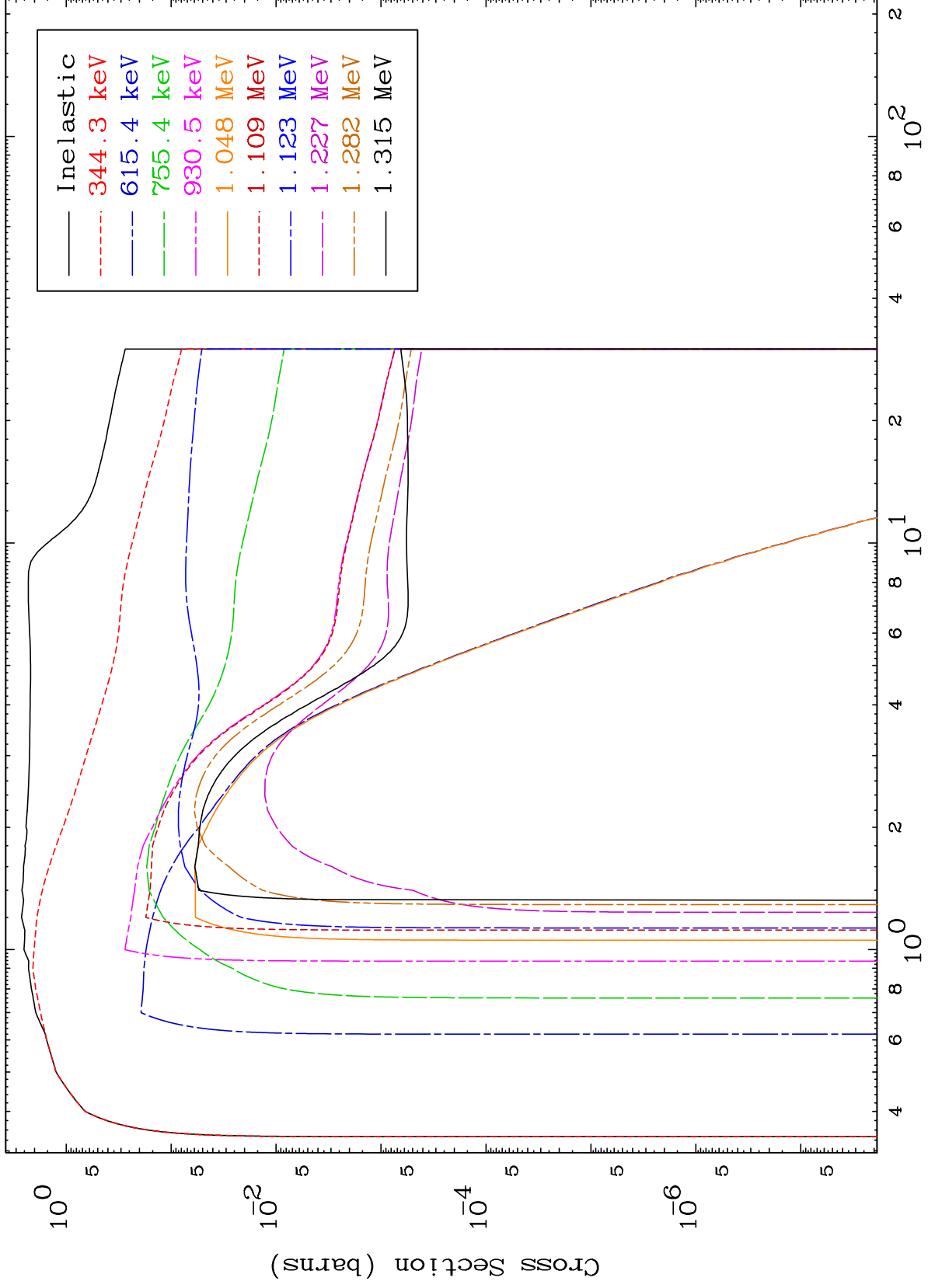
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MAT 6425

(n,n') Level  
293 Kelvin Cross Sections

64-Gd-152

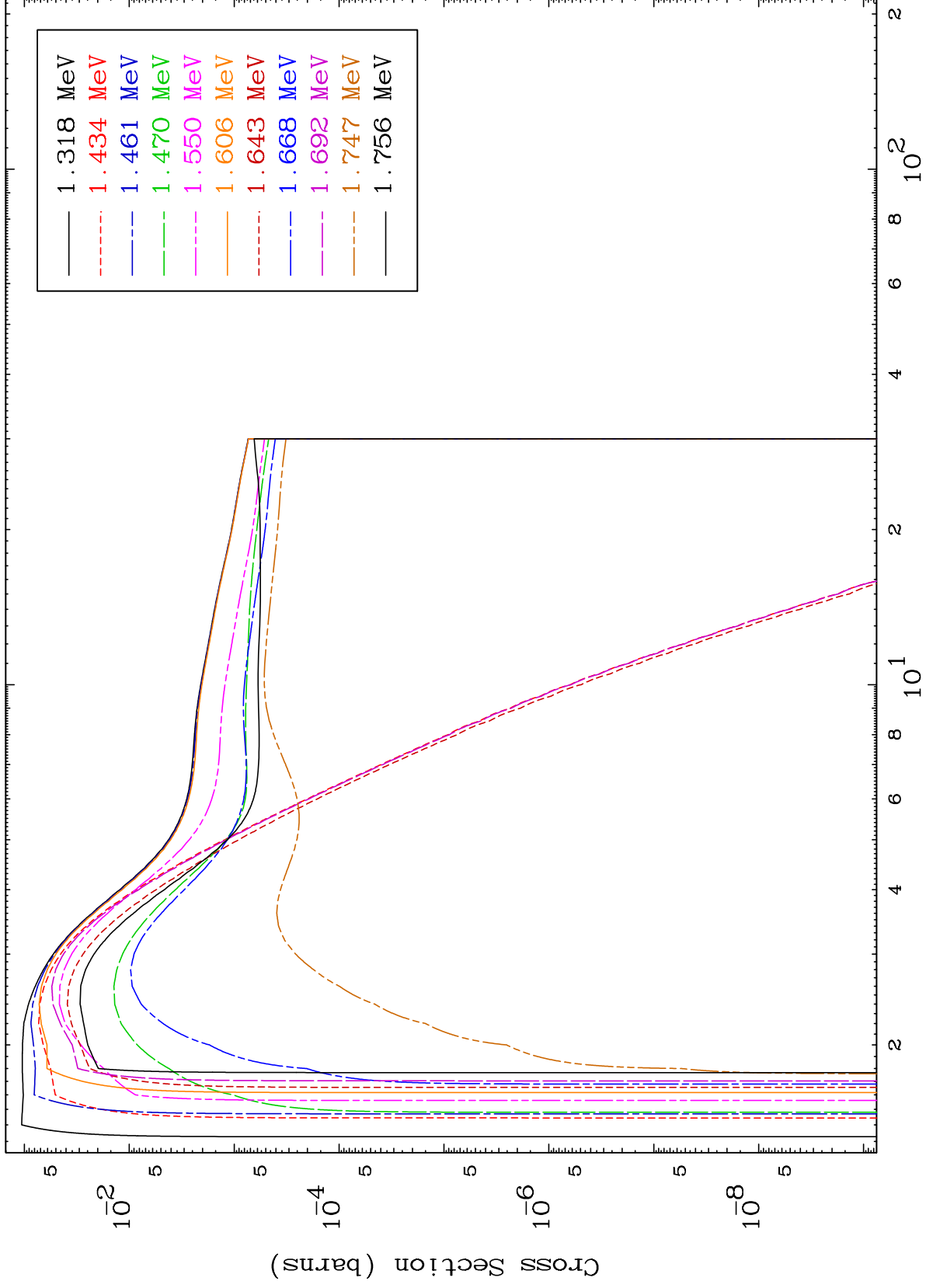




MAT 6425

(n,n') Level  
293 Kelvin Cross Sections

64-Gd-152



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Incident Energy (MeV)

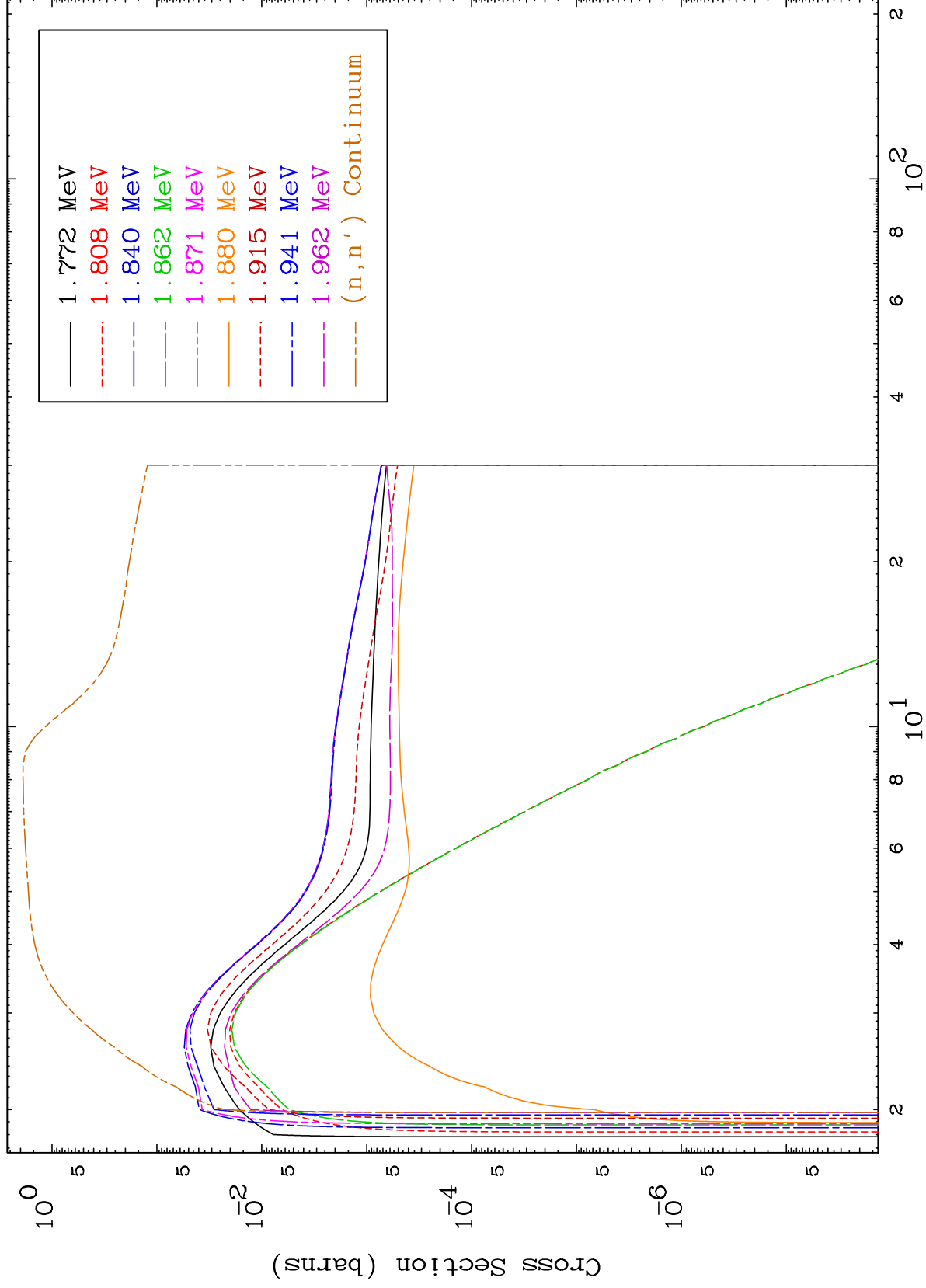
64-Gd-152

MAT 6425

(n,n') Level

64-Gd-152

293 Kelvin Cross Sections



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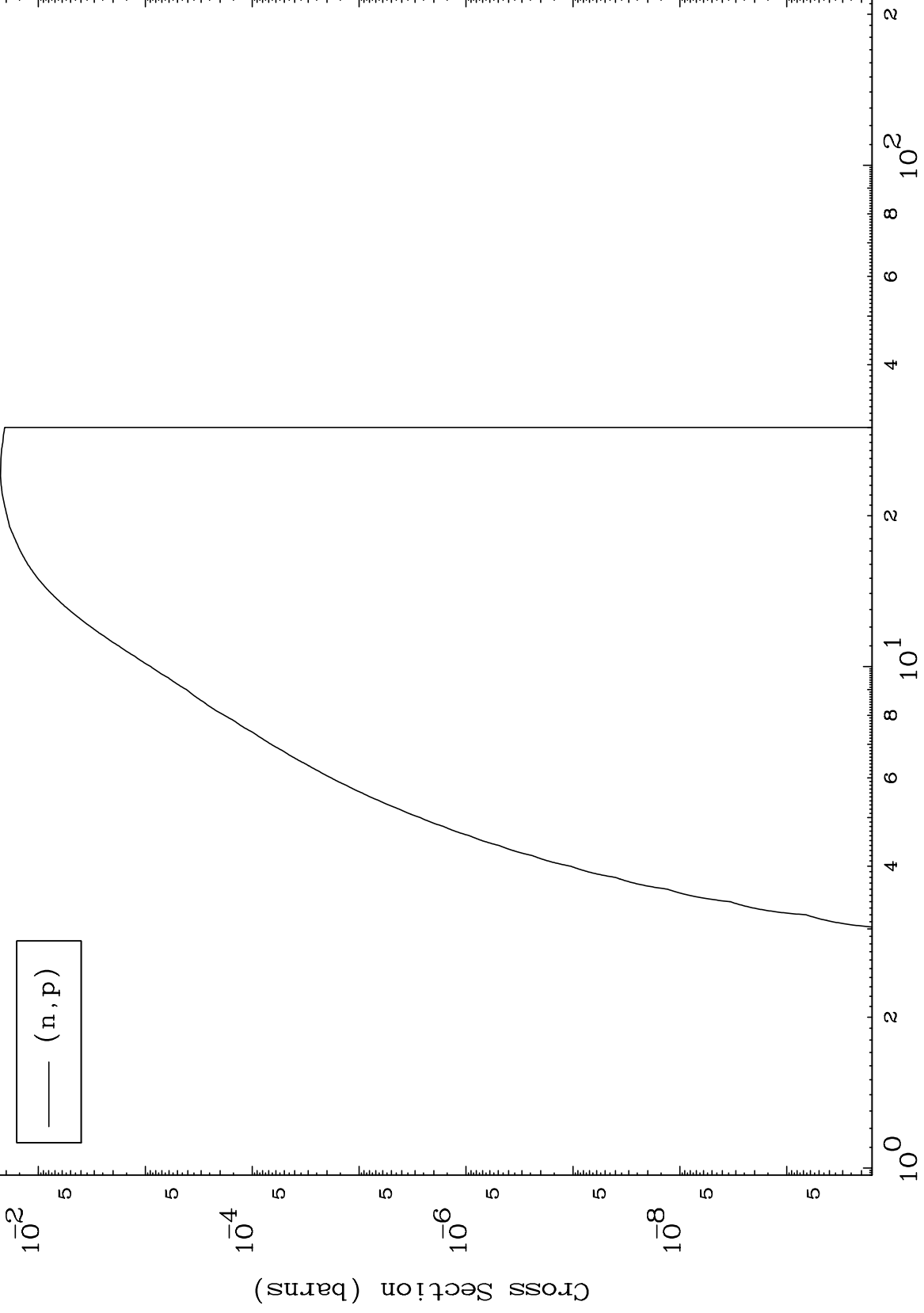
Incident Energy (MeV)

64-Gd-152

MAT 6425

(n,p) Levels  
293 Kelvin Cross Sections

64-Gd-152



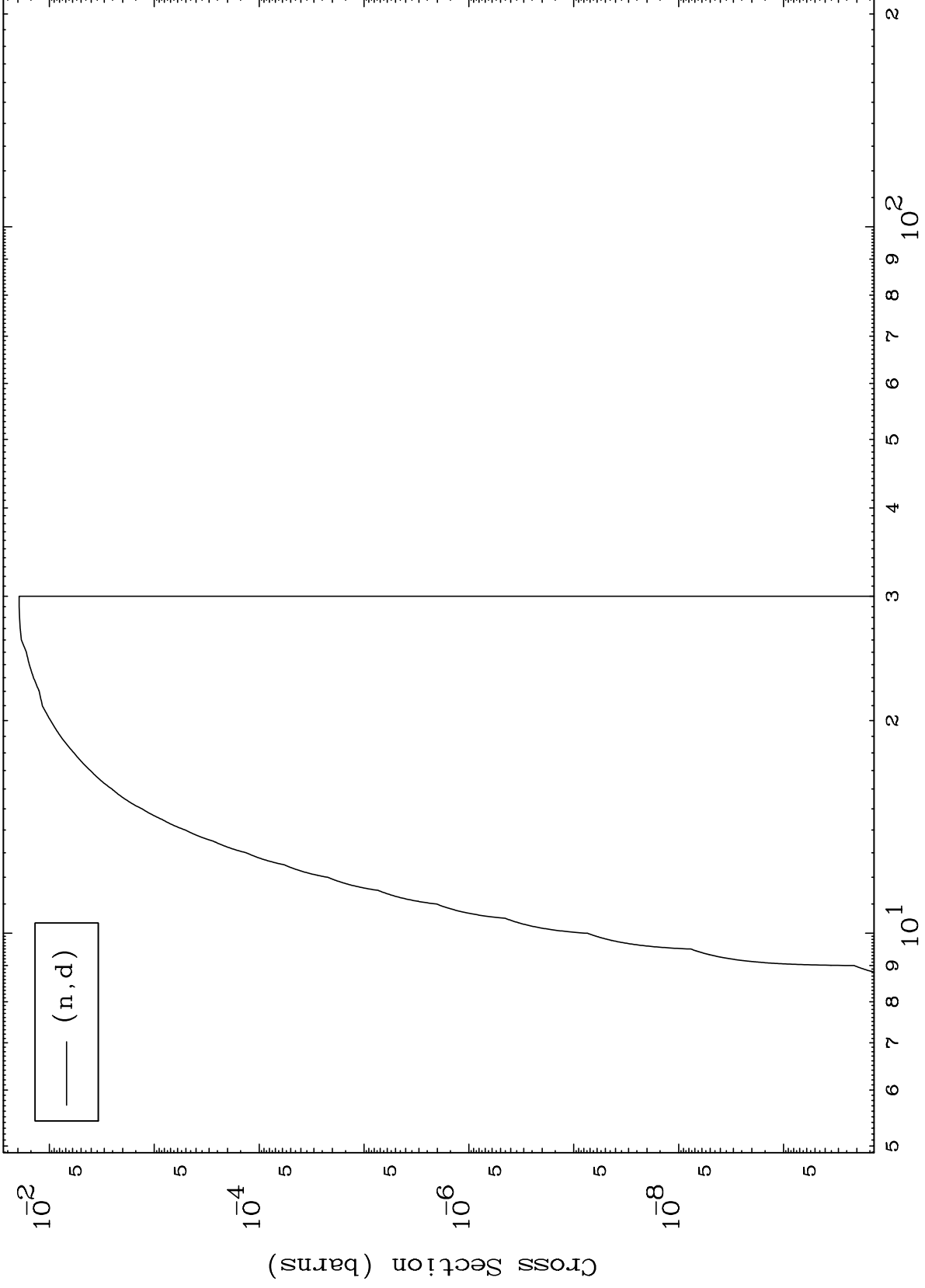
Incident Energy (MeV)

64-Gd-152

MAT 6425

(n,d) Levels  
293 Kelvin Cross Sections

64-Gd-152



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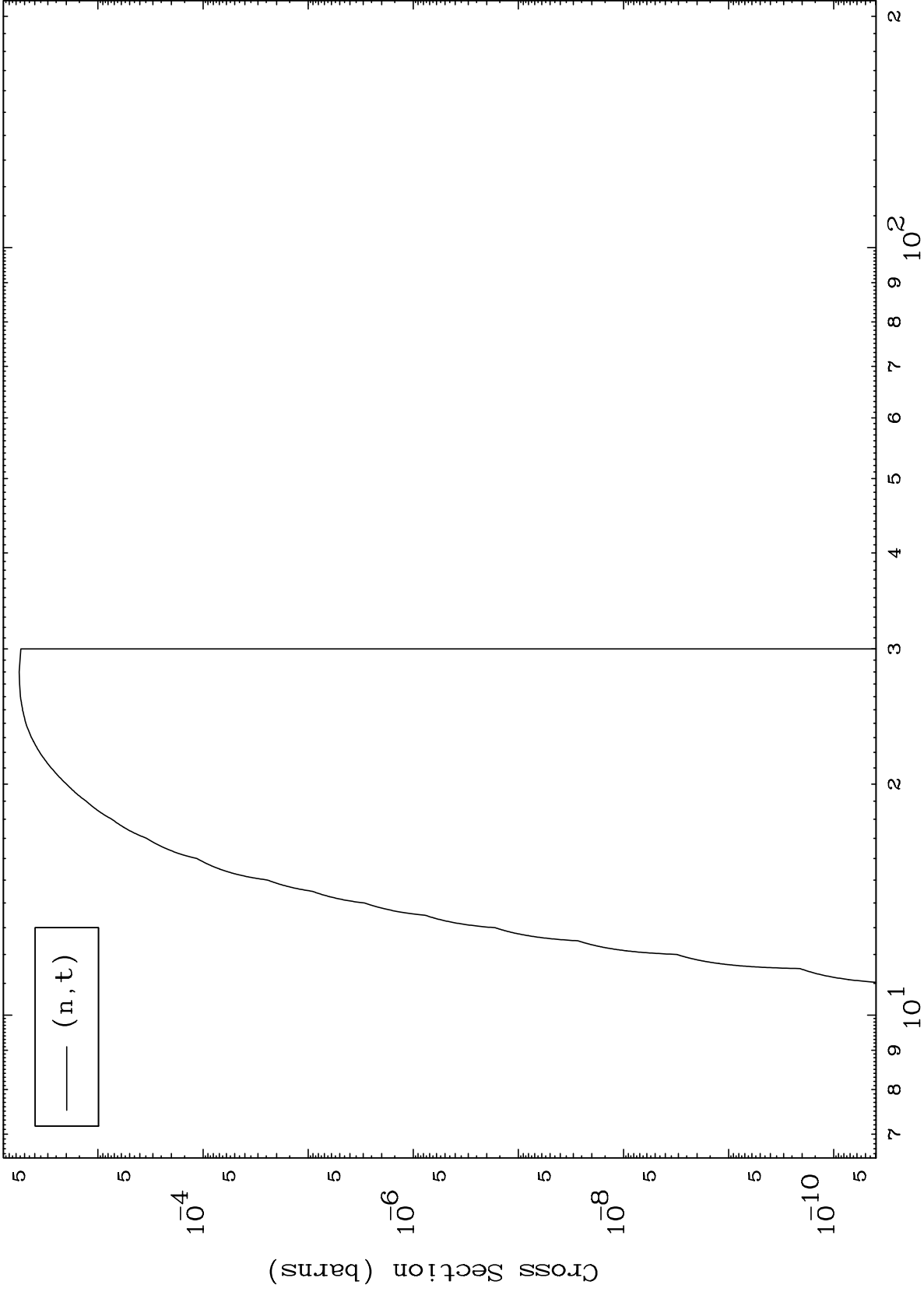
Incident Energy (MeV)

64-Gd-152

MAT 6425

(n,t) Levels  
293 Kelvin Cross Sections

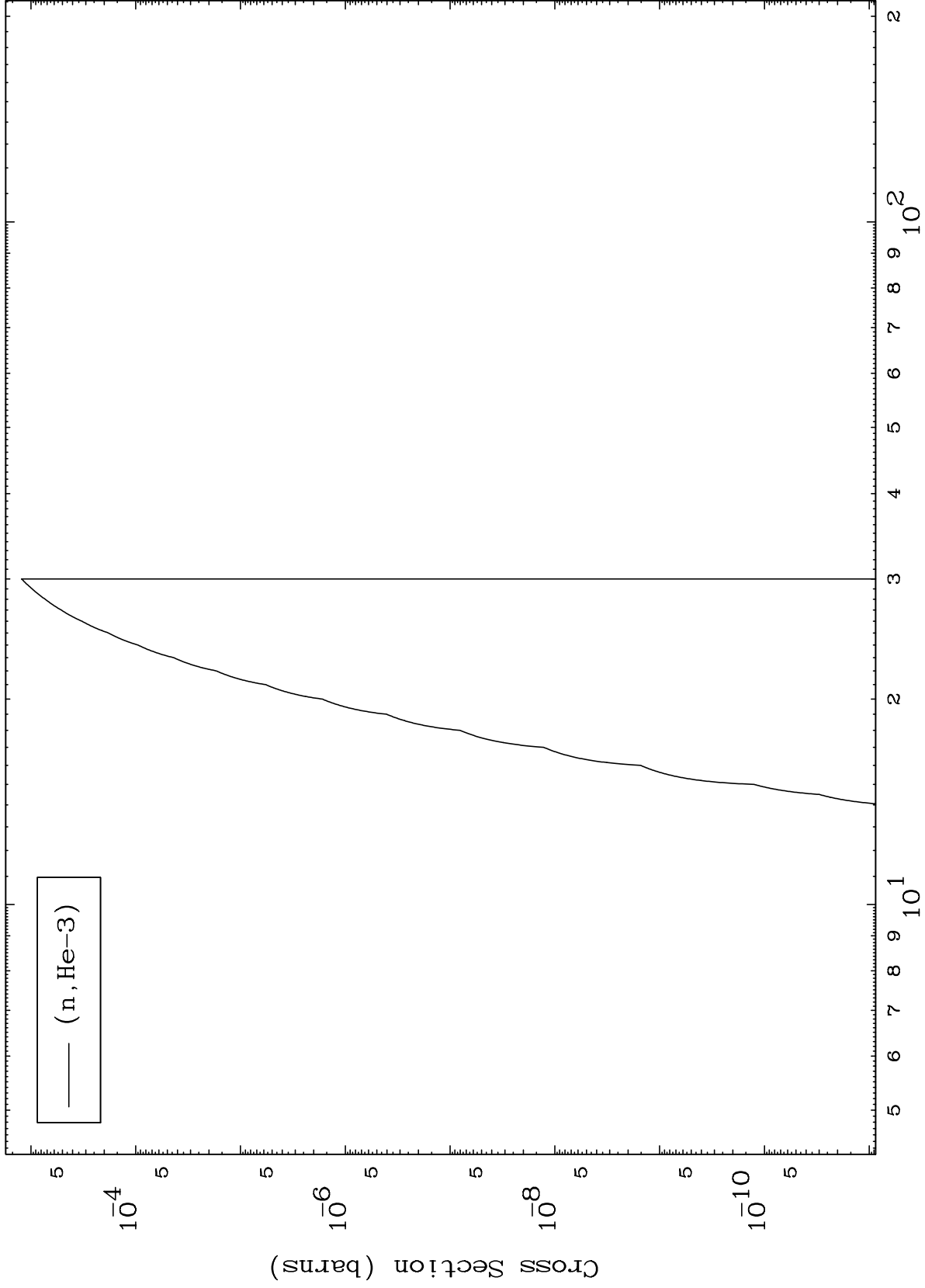
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Incident Energy (MeV)

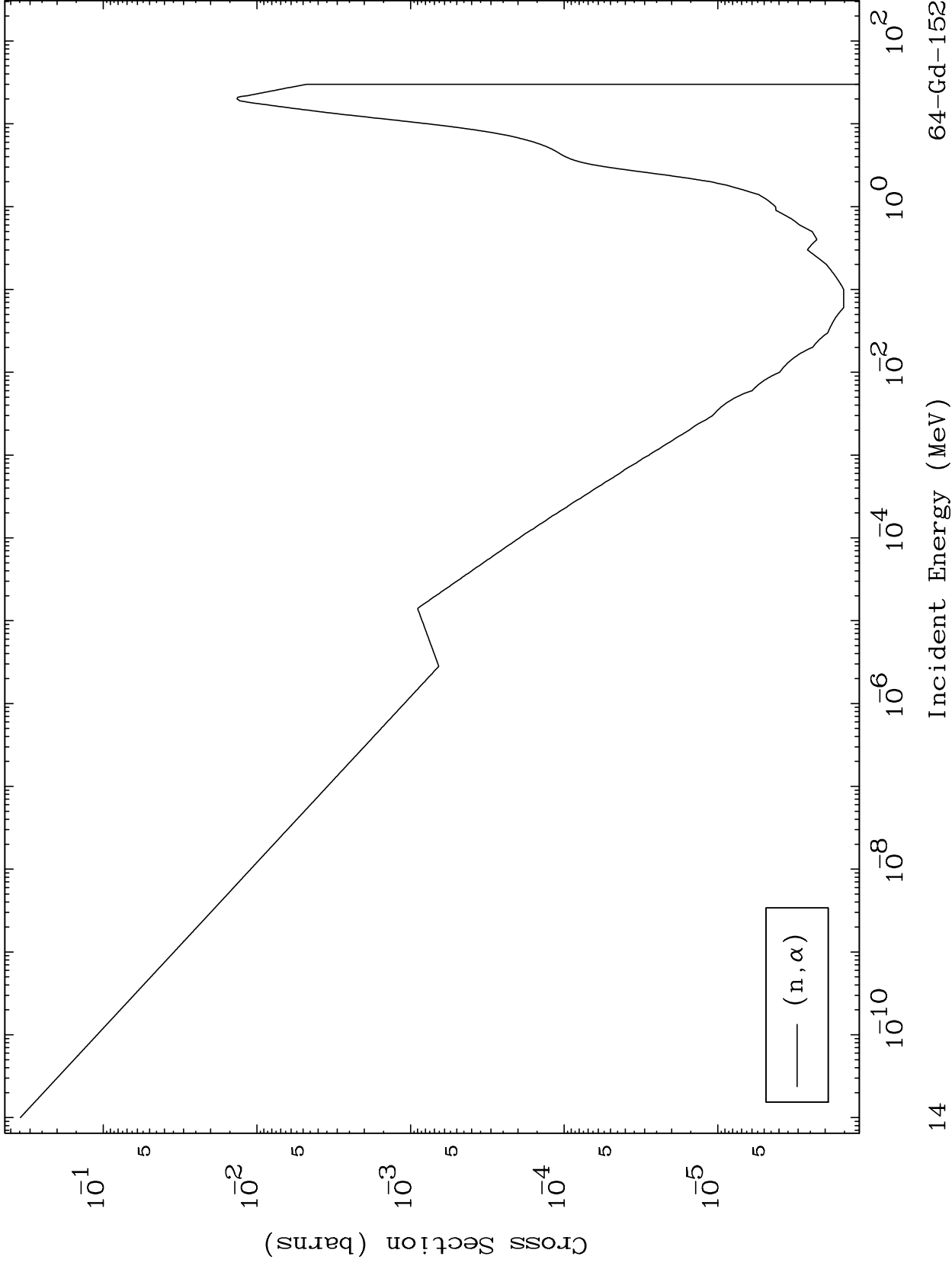
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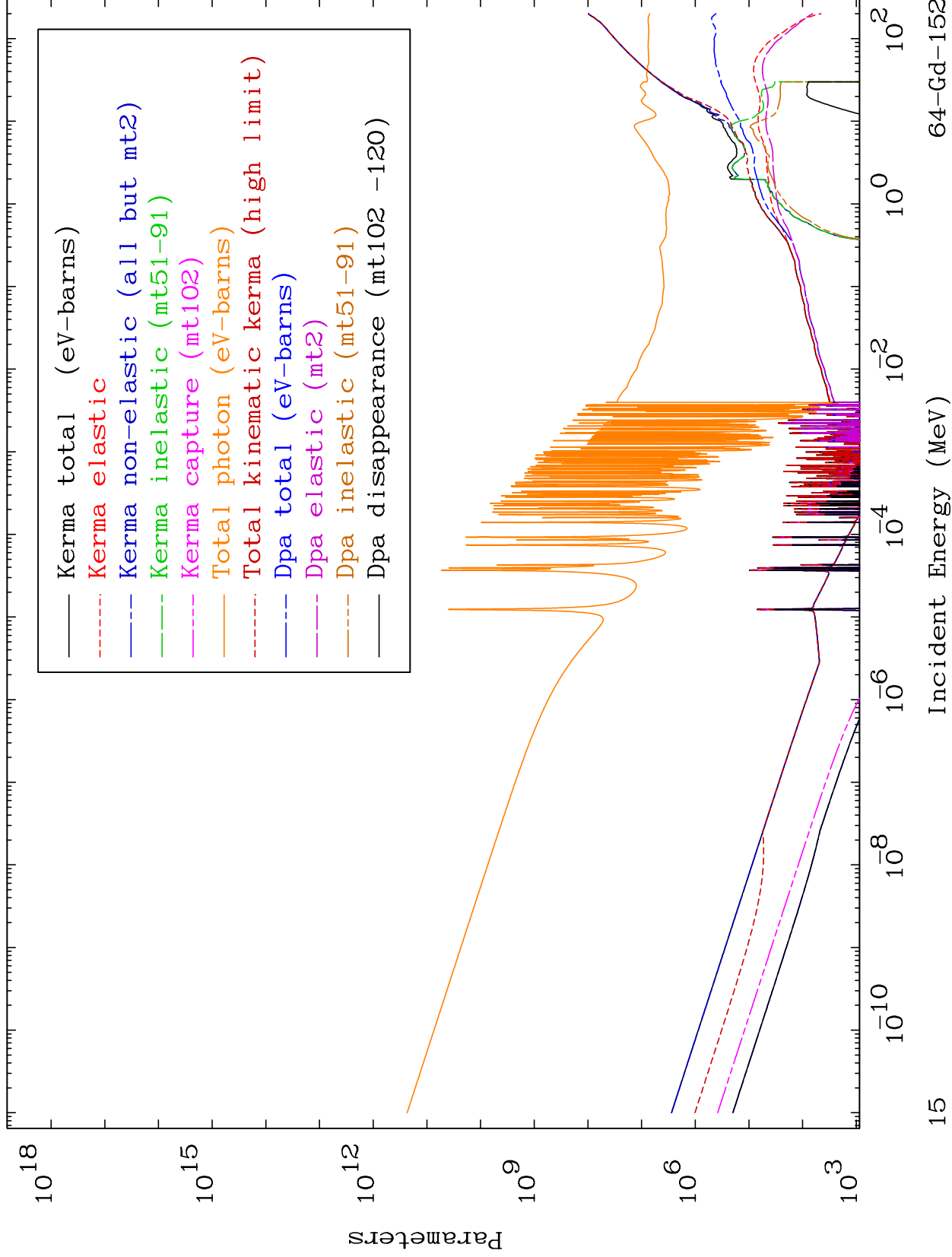


MAT 6425

(n,α) Levels  
293 Kelvin Cross Sections

64-Gd-152



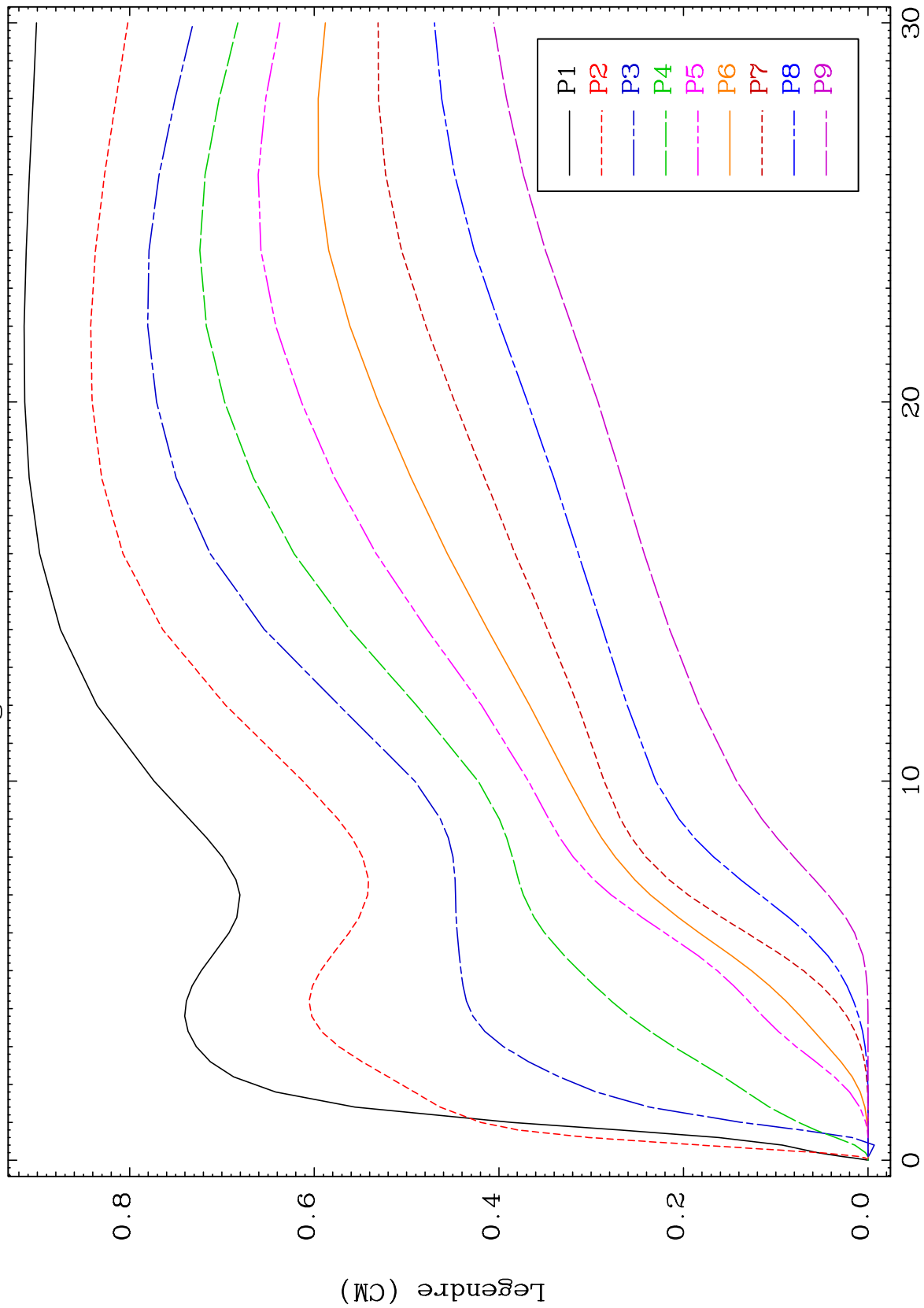




MAT 6425

Elastic Legendre Coefficients

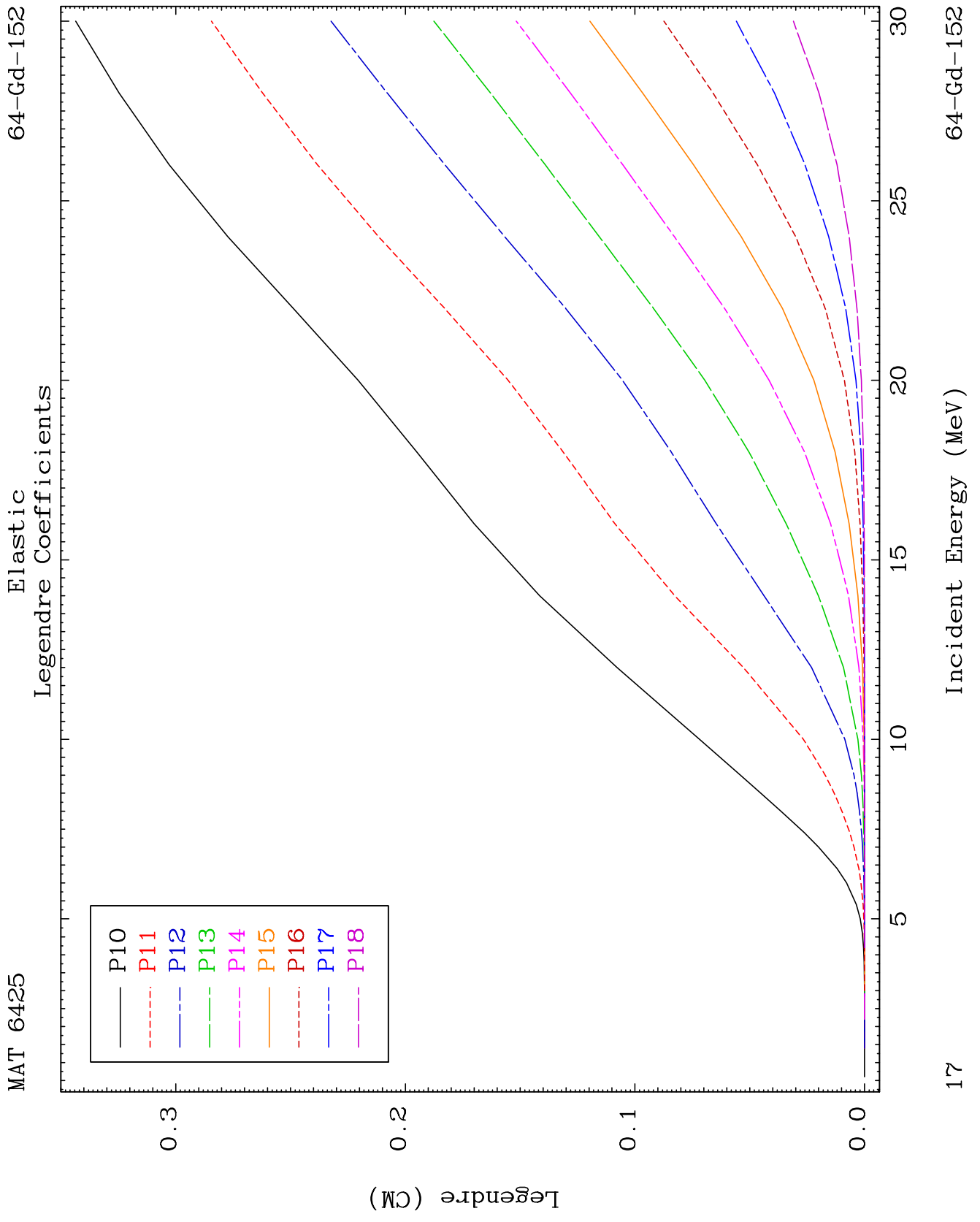
64-Gd-152



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Incident Energy (MeV)

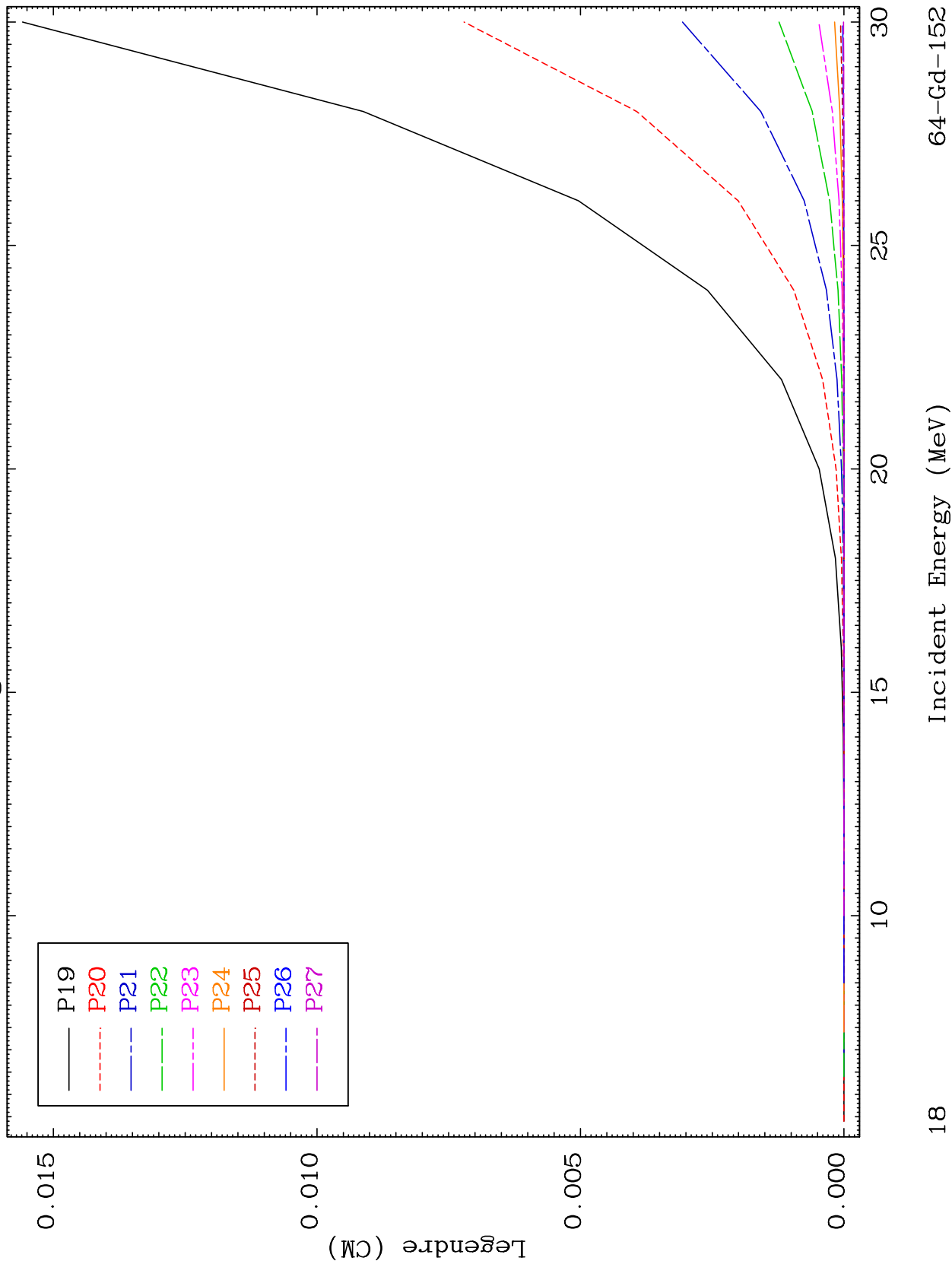
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MAT 6425

Elastic  
Legendre Coefficients

64-Gd-152



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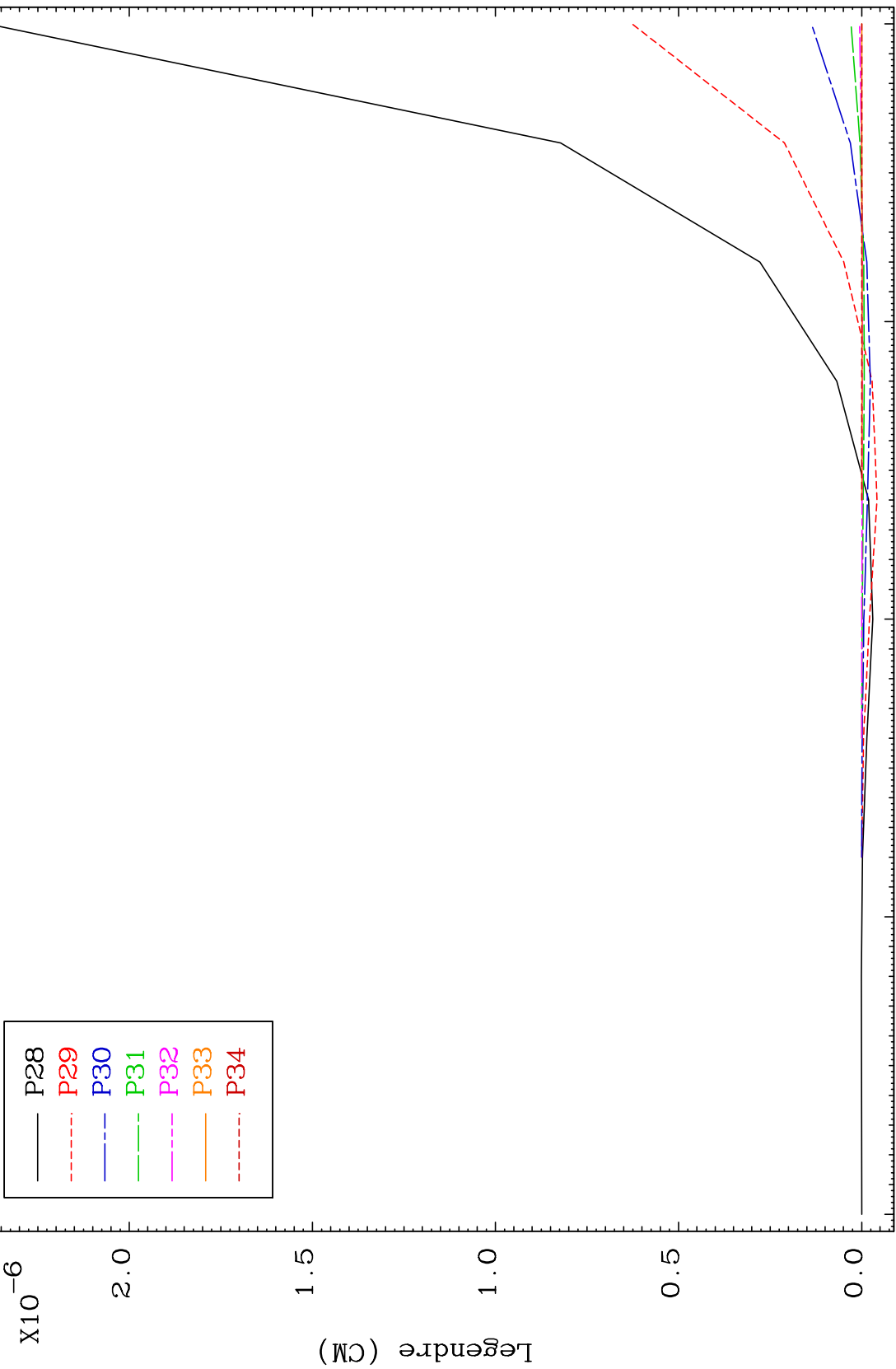
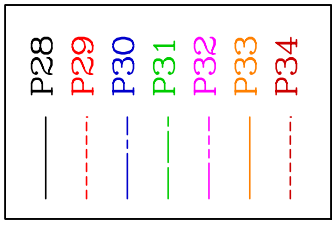
Incident Energy (MeV)

64-Gd-152

MAT 6425

Elastic Legendre Coefficients

64-Gd-152



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Incident Energy (MeV)

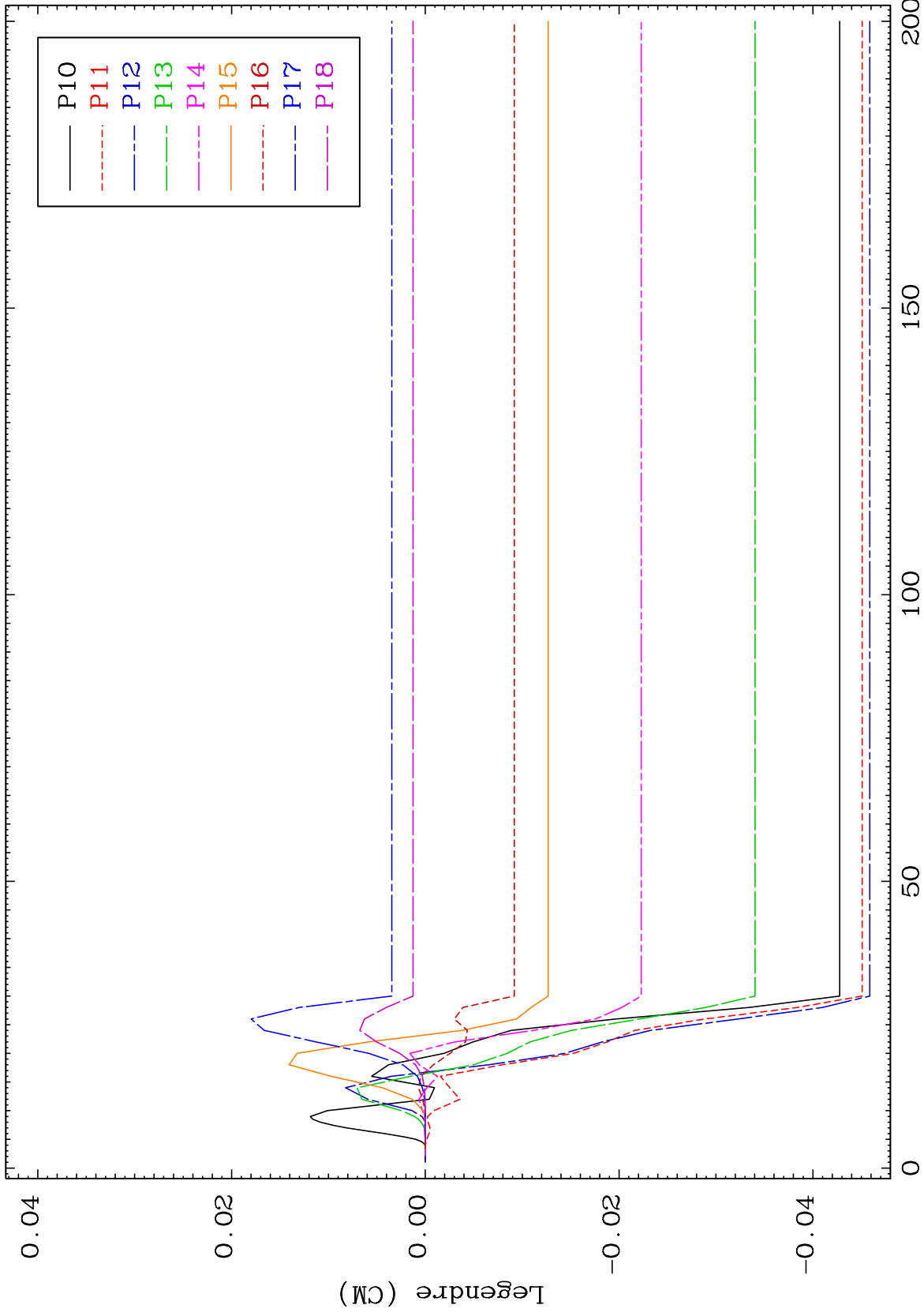
64-Gd-152



MAT 6425

344.3 keV (n,n') Level  
Legendre Coefficients

64-Gd-152



21

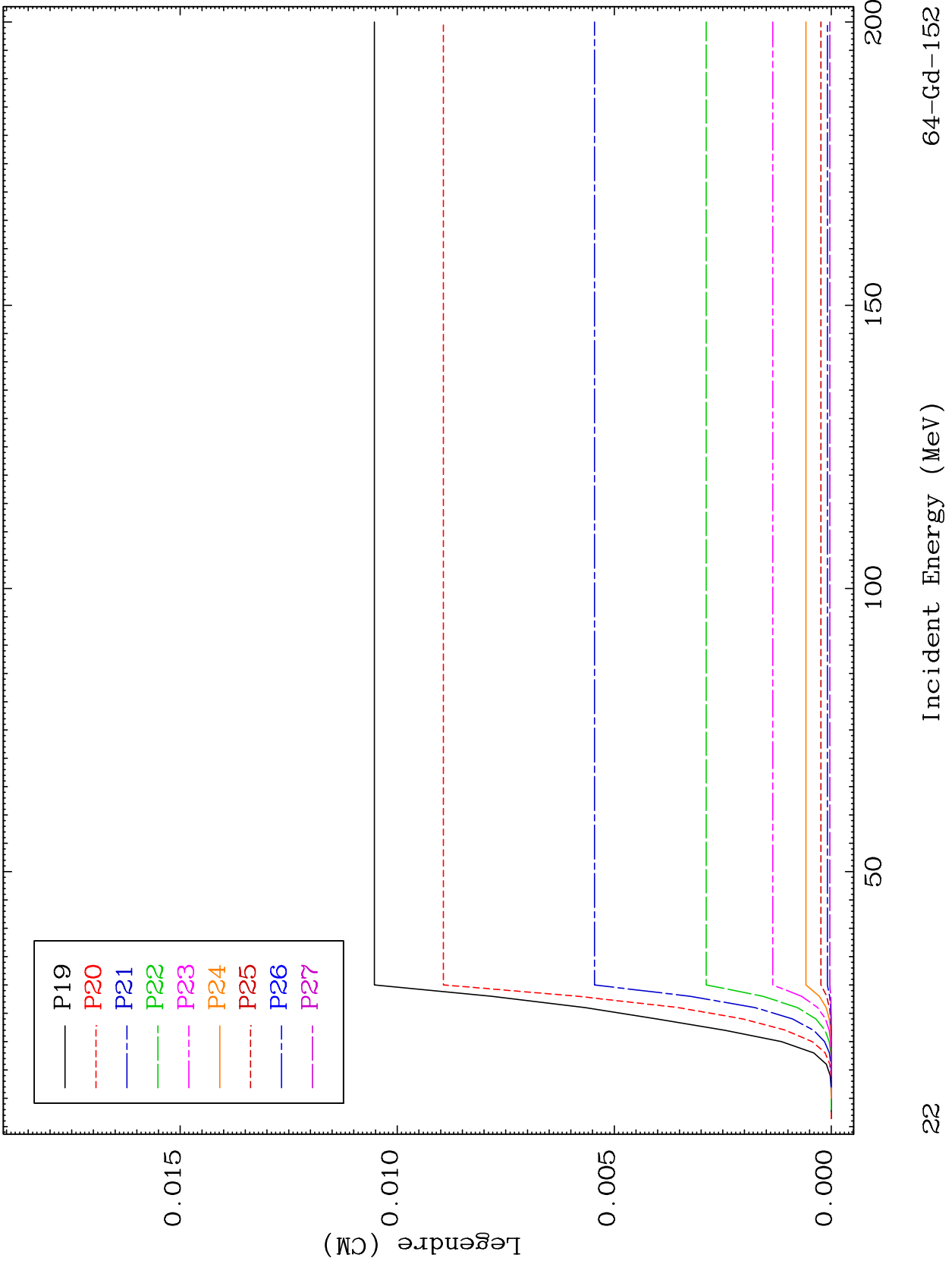
Incident Energy (MeV)

64-Gd-152

MAT 6425

344.3 keV (n,n') Level  
Legendre Coefficients

64-Gd-152



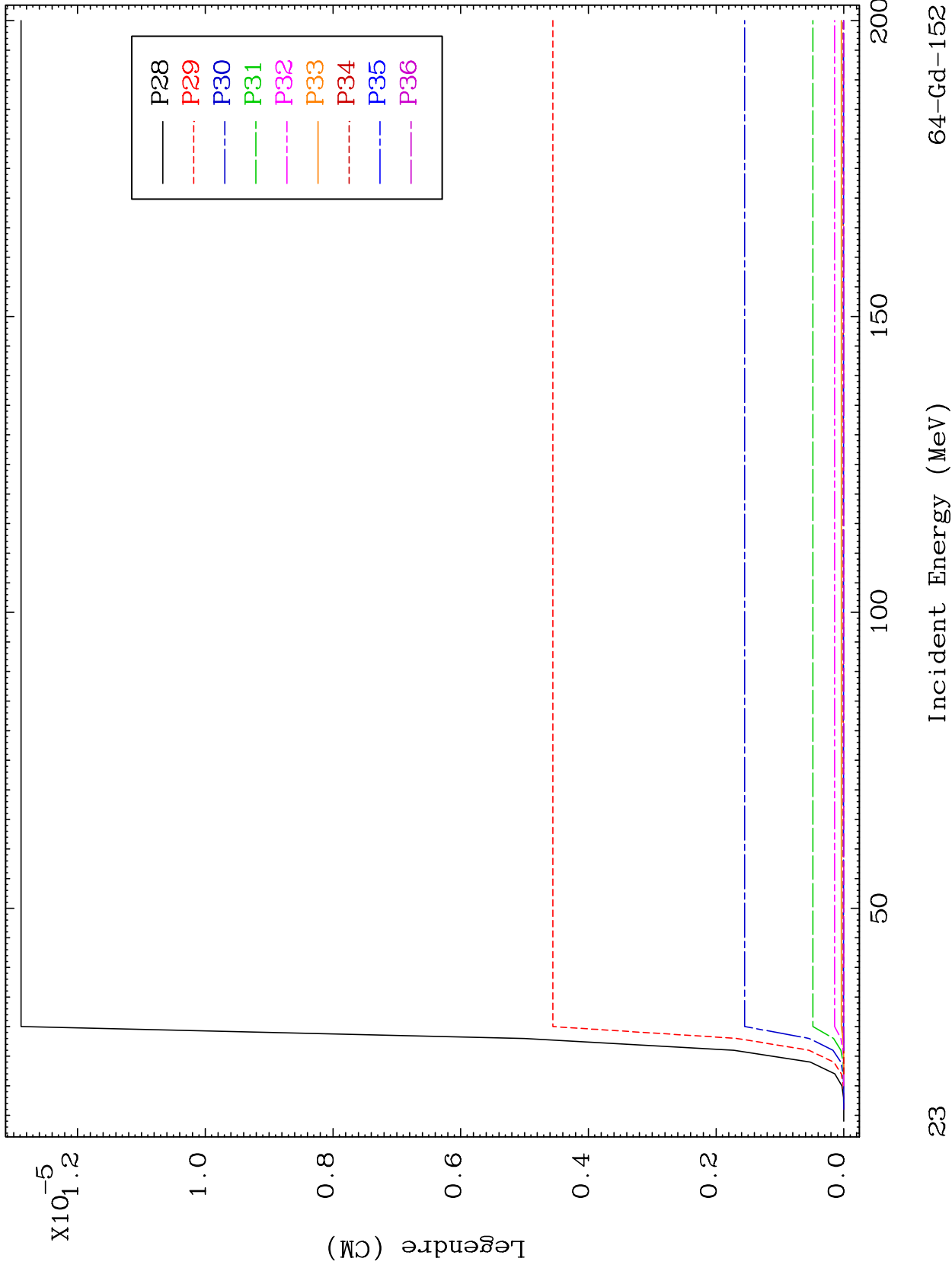
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64-Gd-152

MAT 6425

344.3 keV (n, n') Level  
Legendre Coefficients

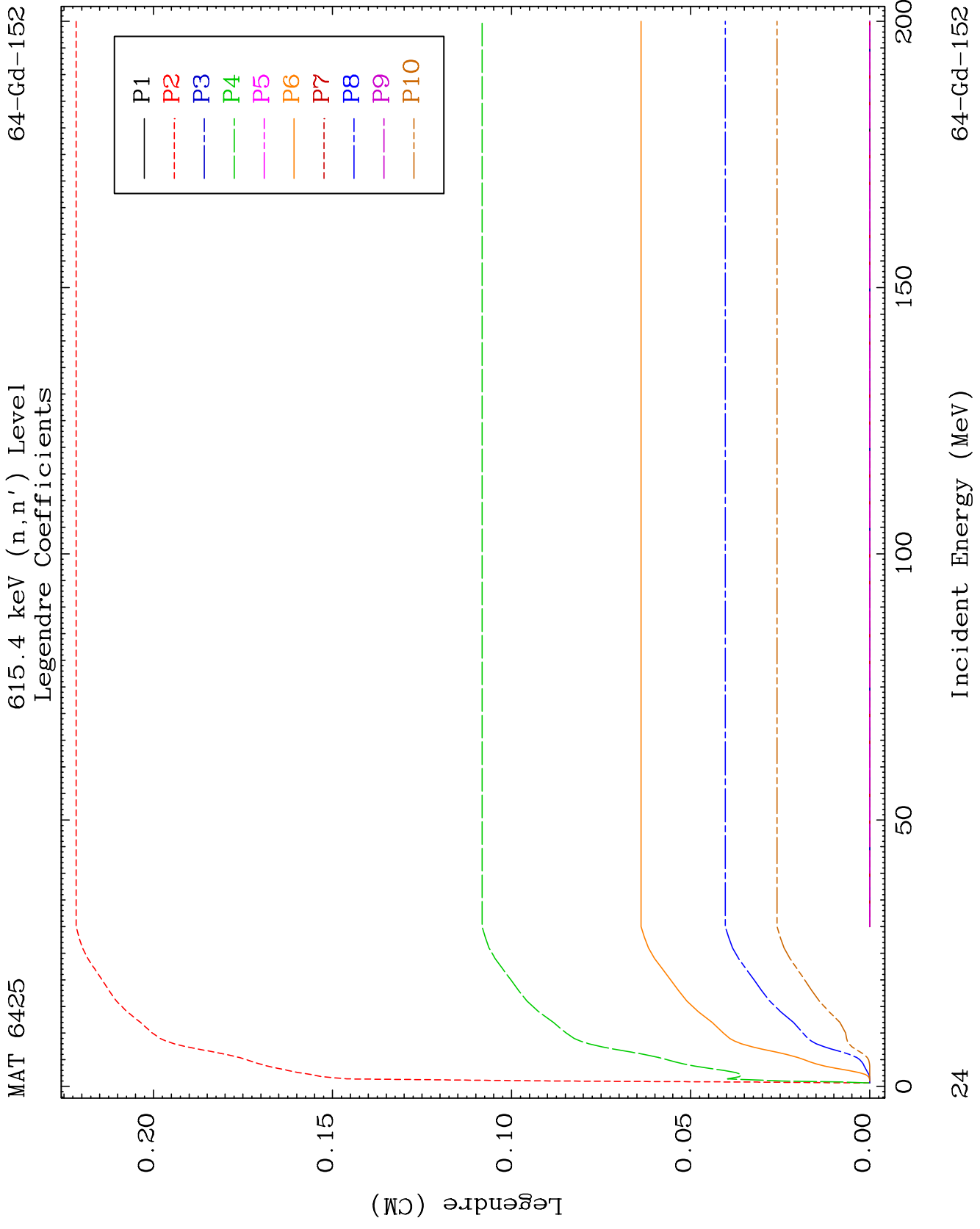
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64-Gd-152





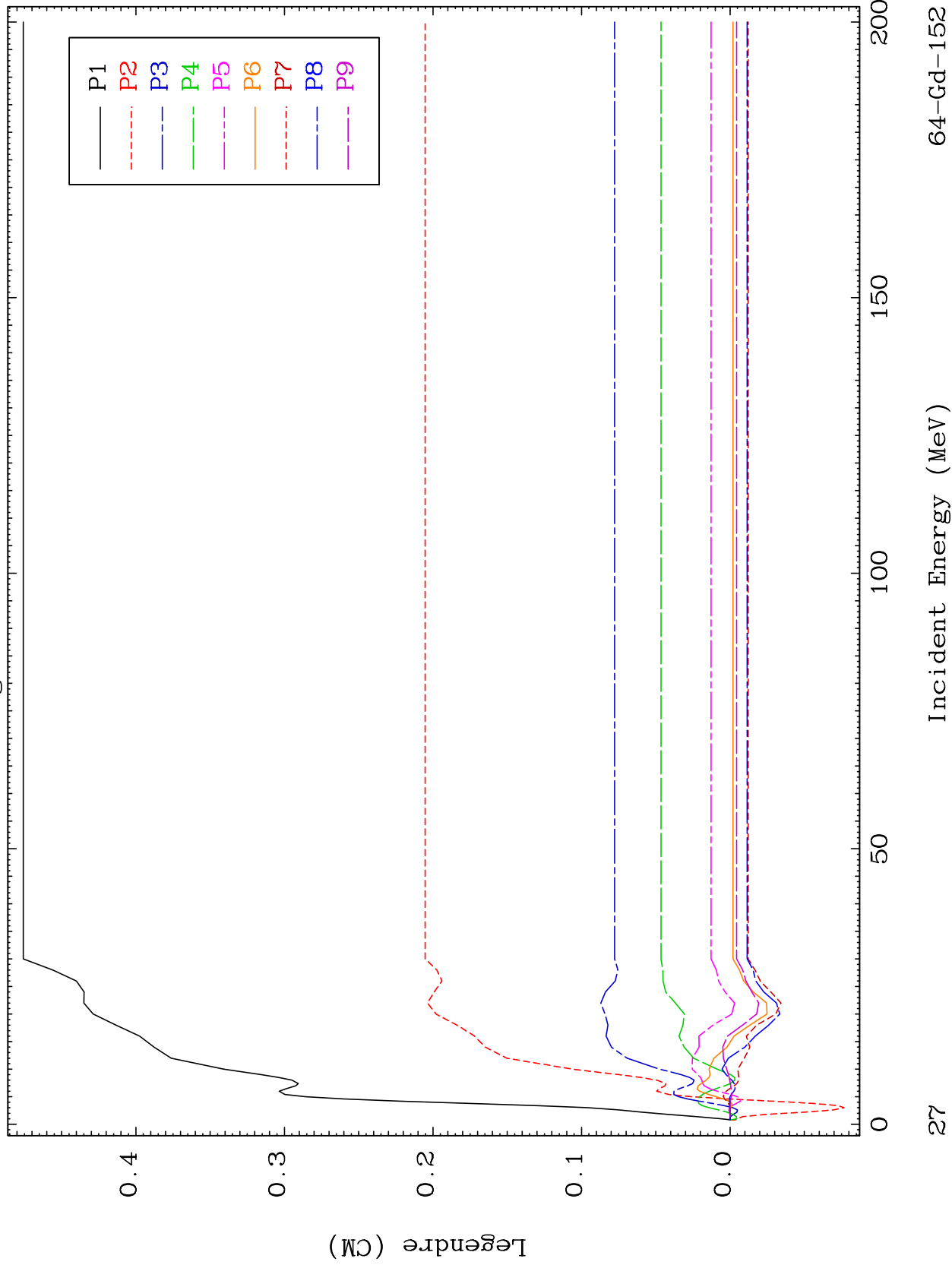




MAT 6425

755.4 keV (n,n') Level  
Legendre Coefficients

64-Gd-152



27

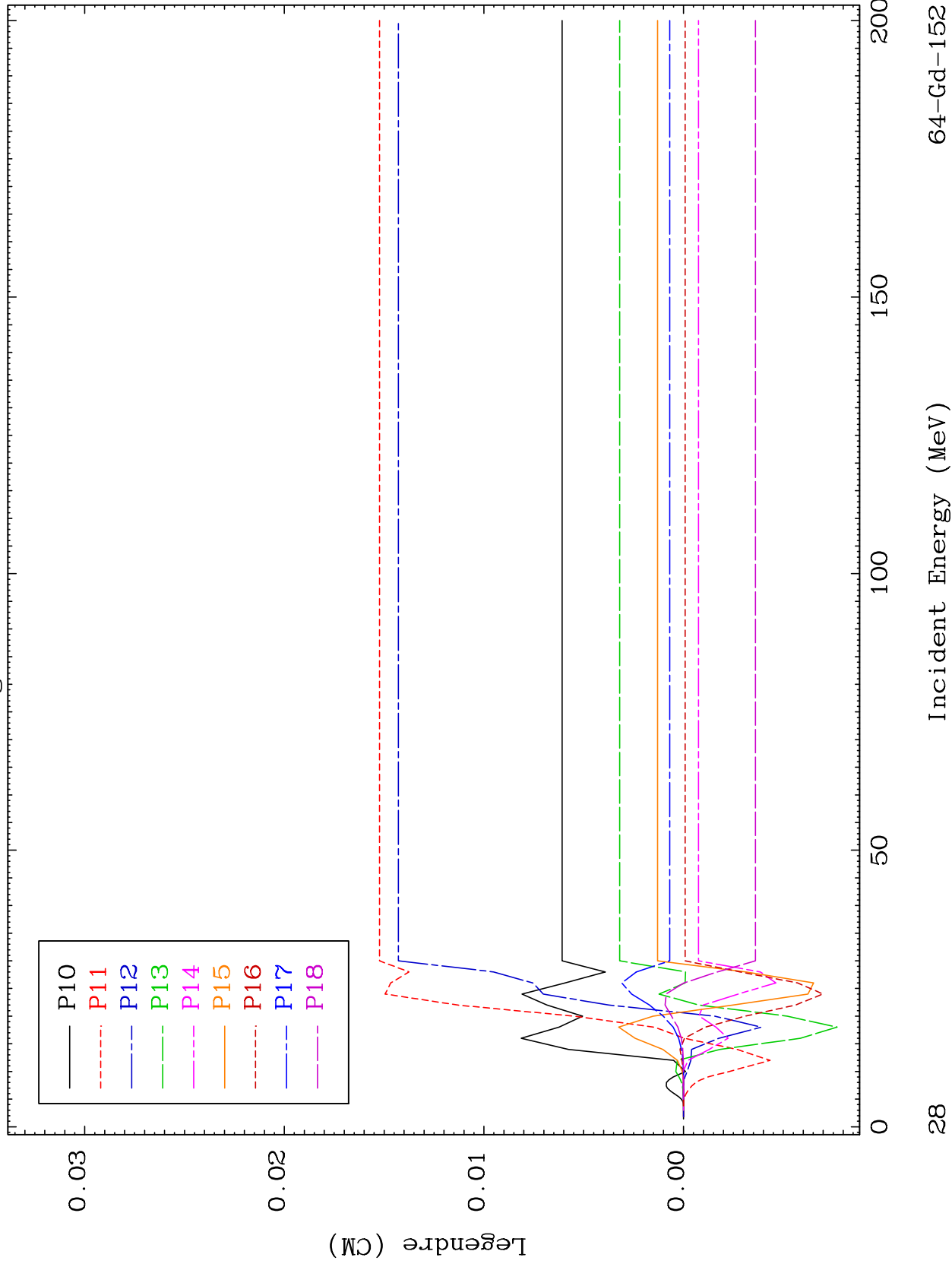
Incident Energy (MeV)

64-Gd-152

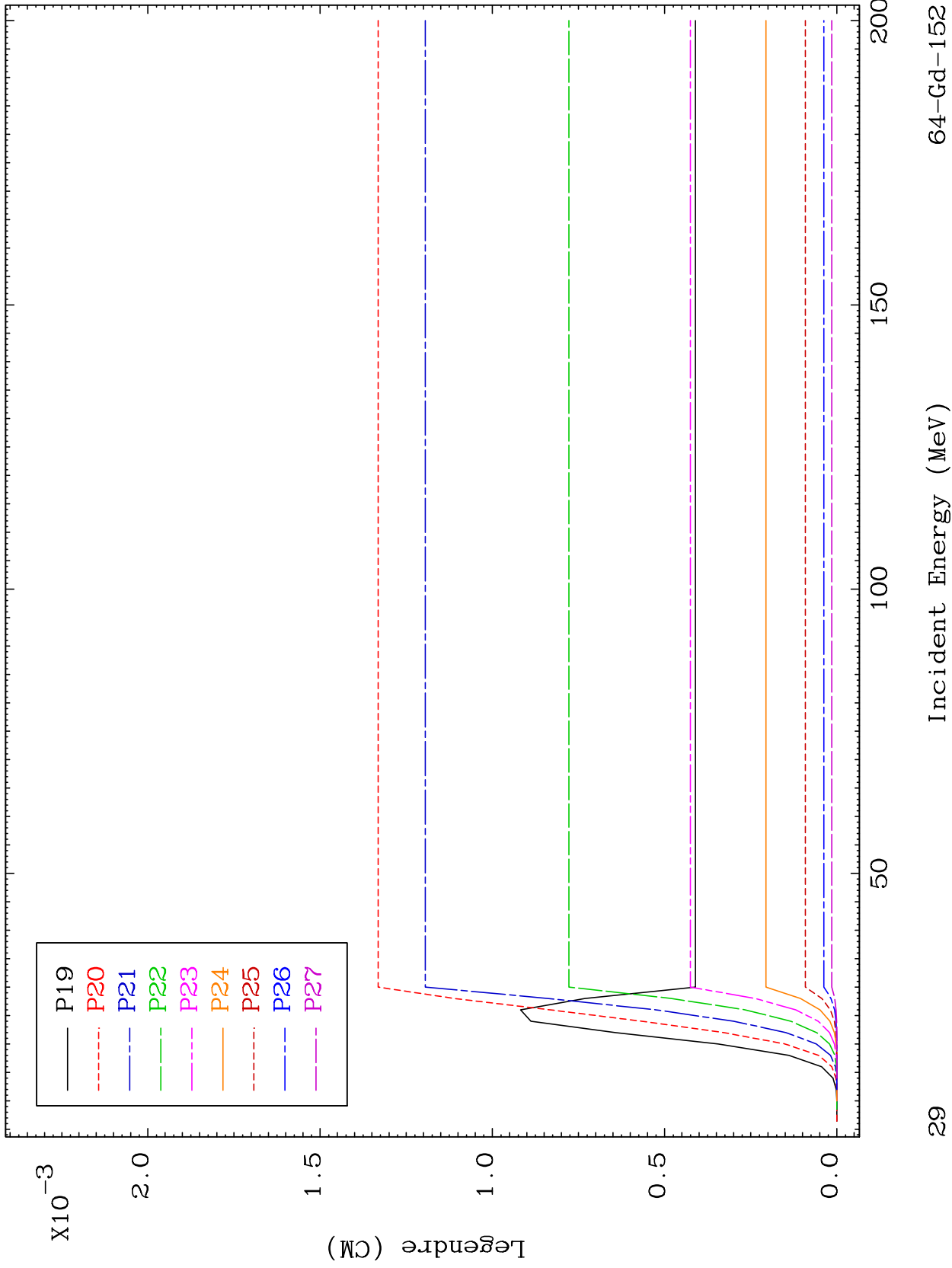
MAT 6425

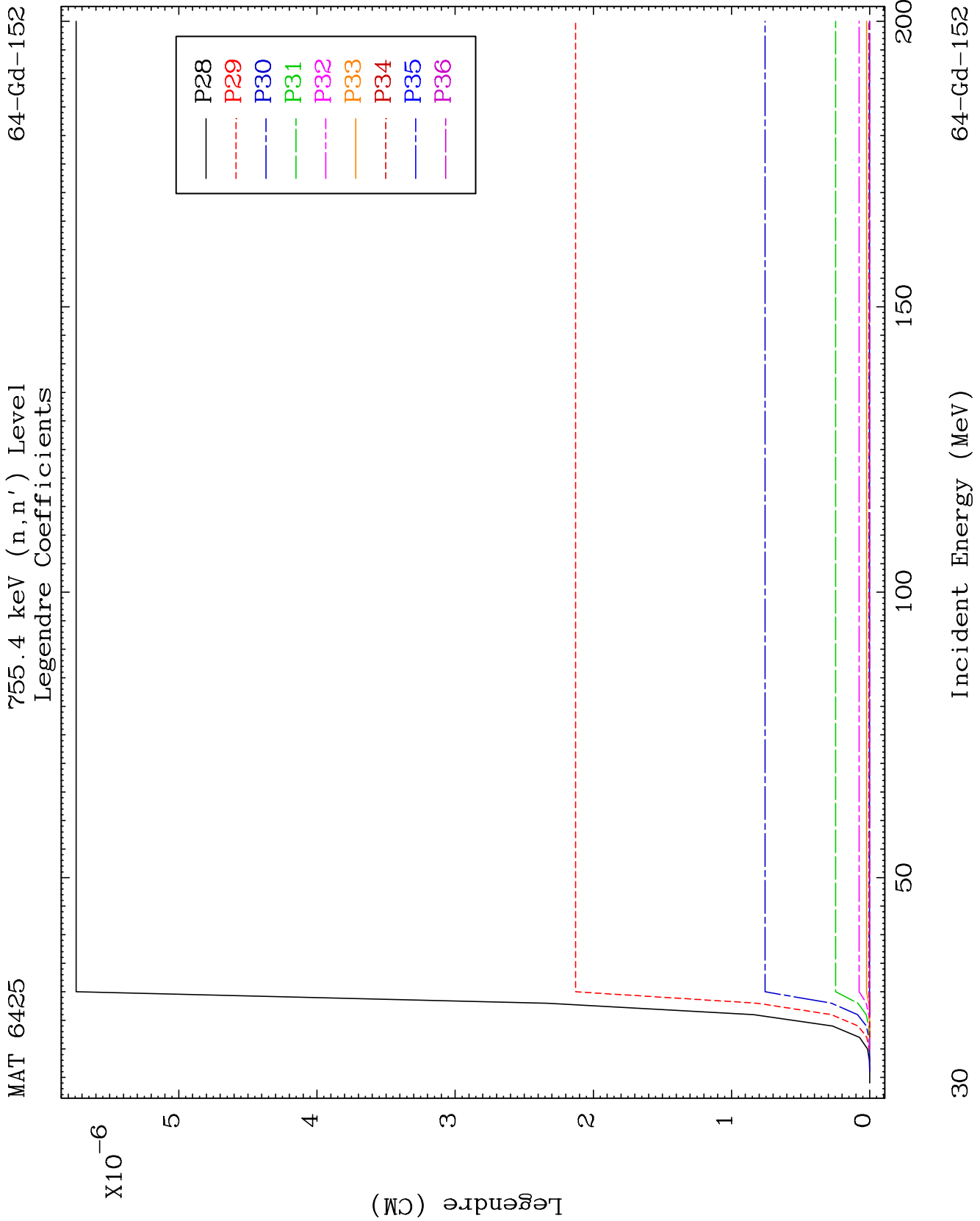
755.4 keV (n, n') Level  
Legendre Coefficients

64-Gd-152



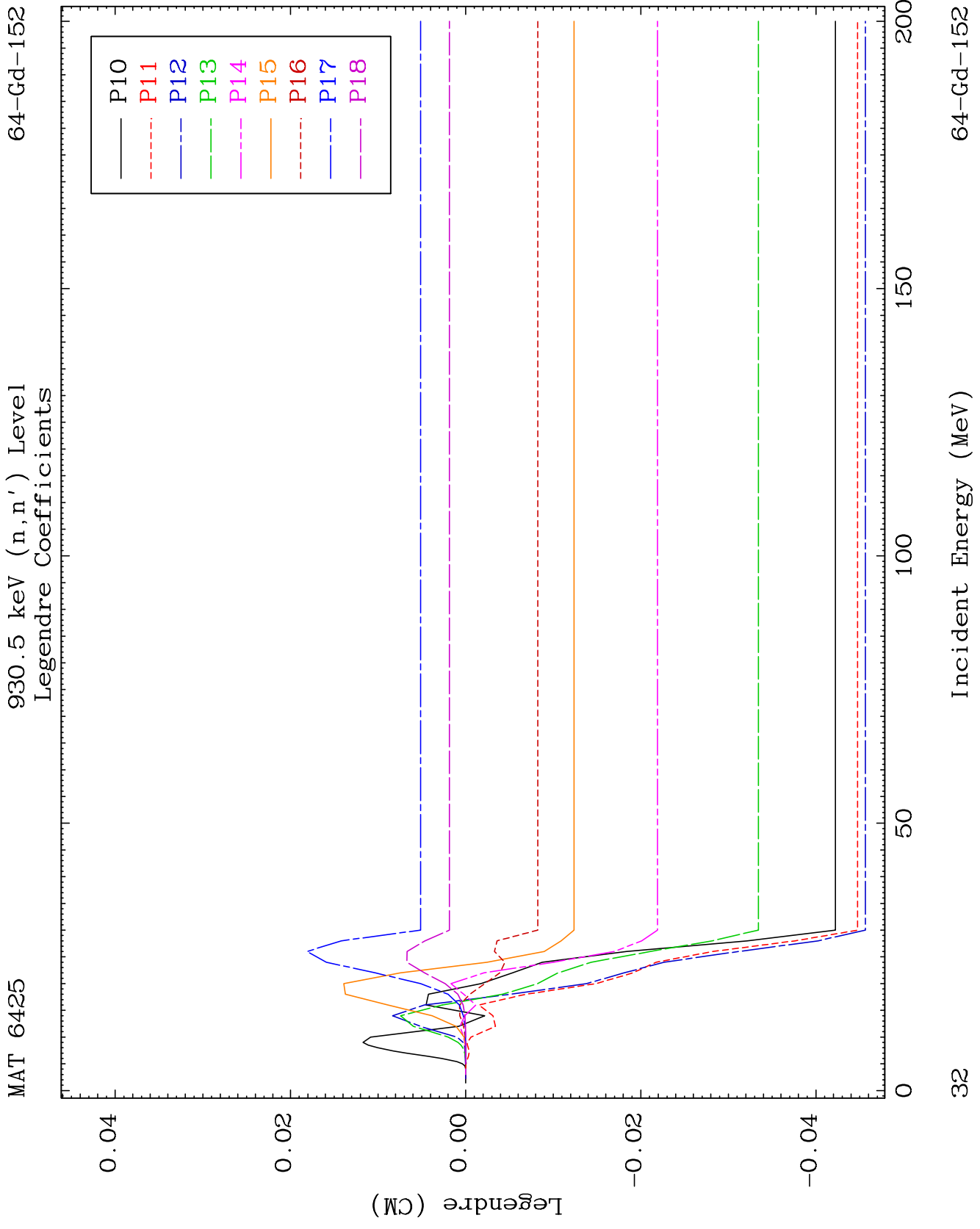
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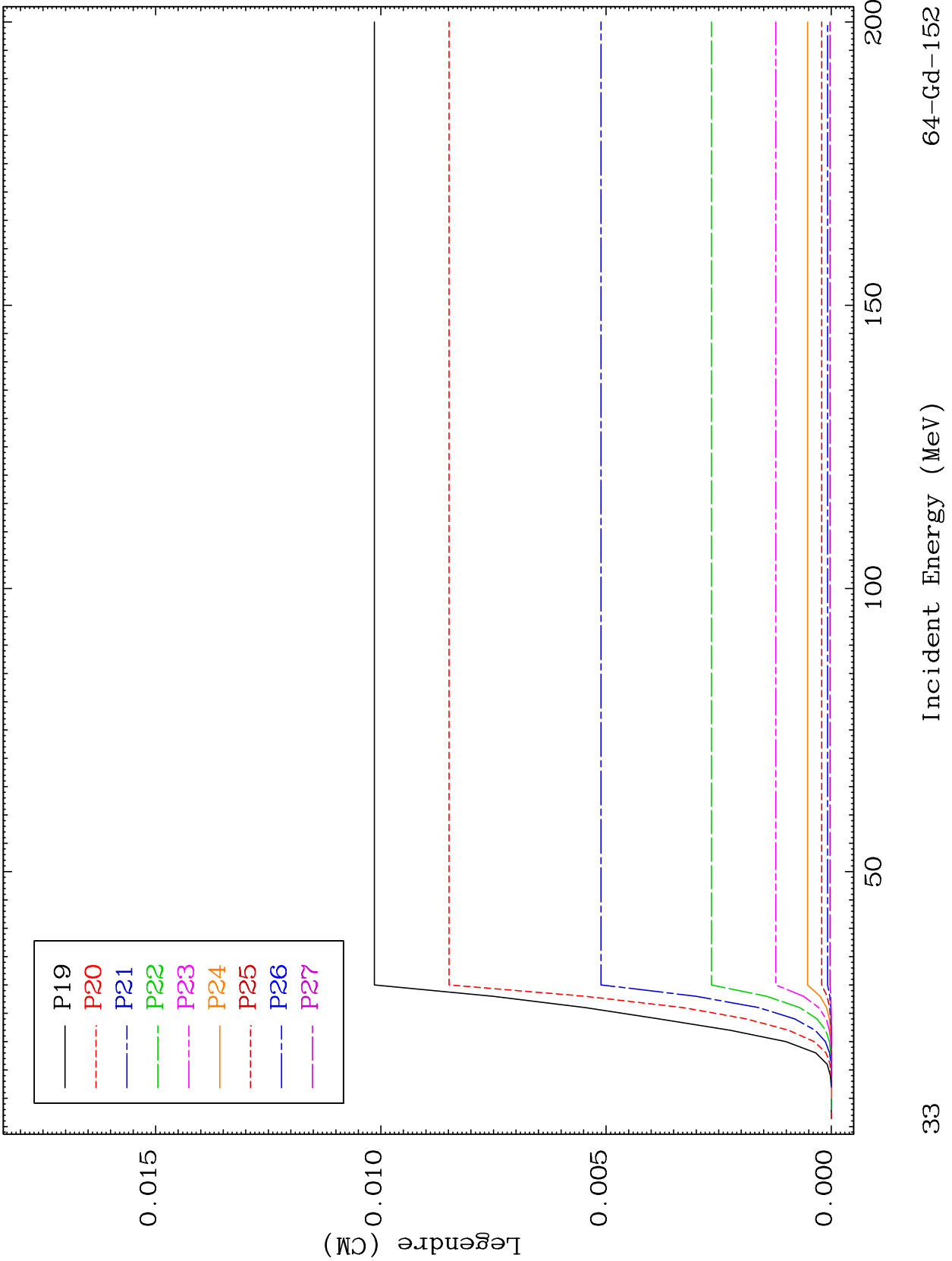




MAT 6425

930.5 keV (n,n') Level  
Legendre Coefficients

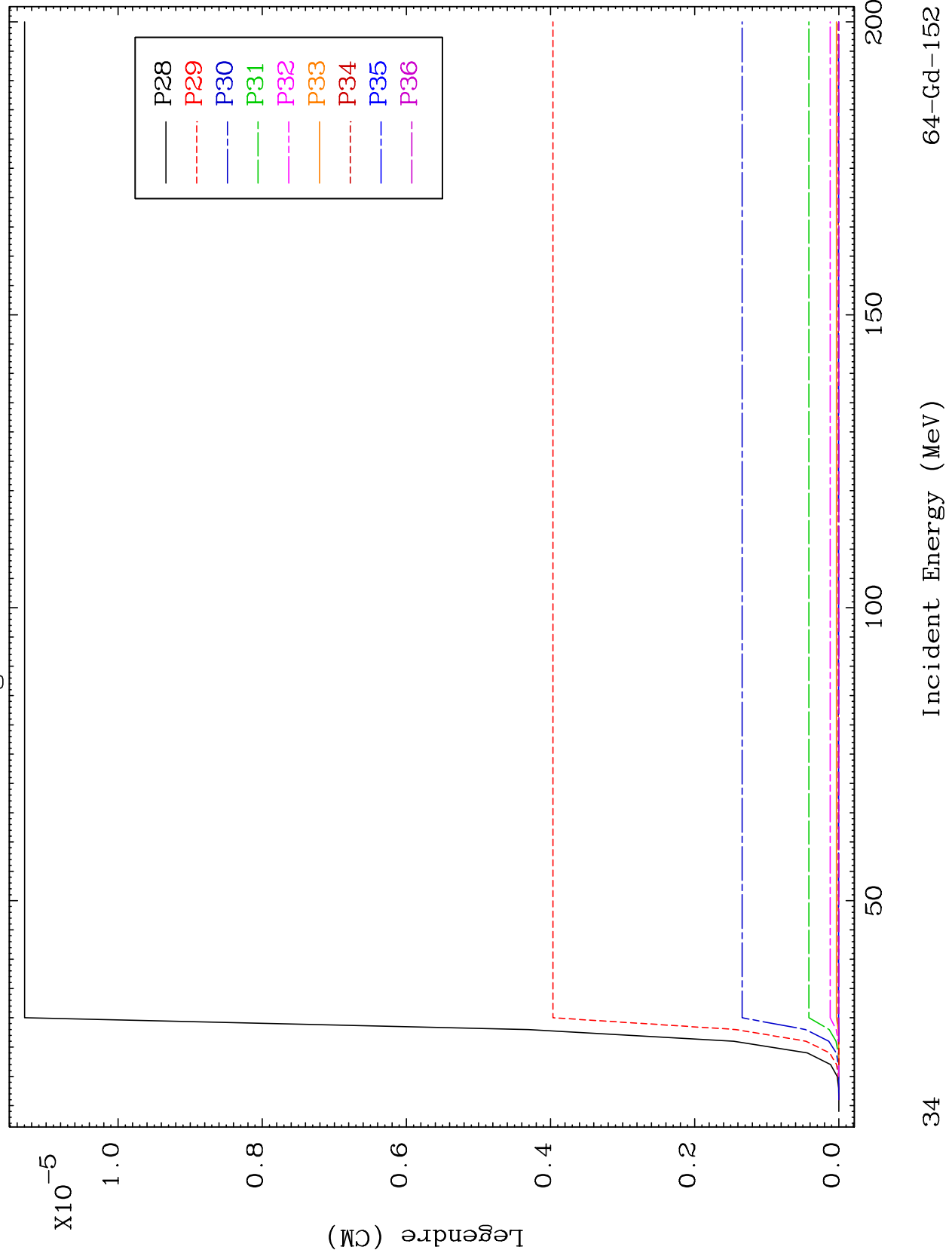
64-Gd-152



MAT 6425

930.5 keV (n,n') Level  
Legendre Coefficients

64-Gd-152



34

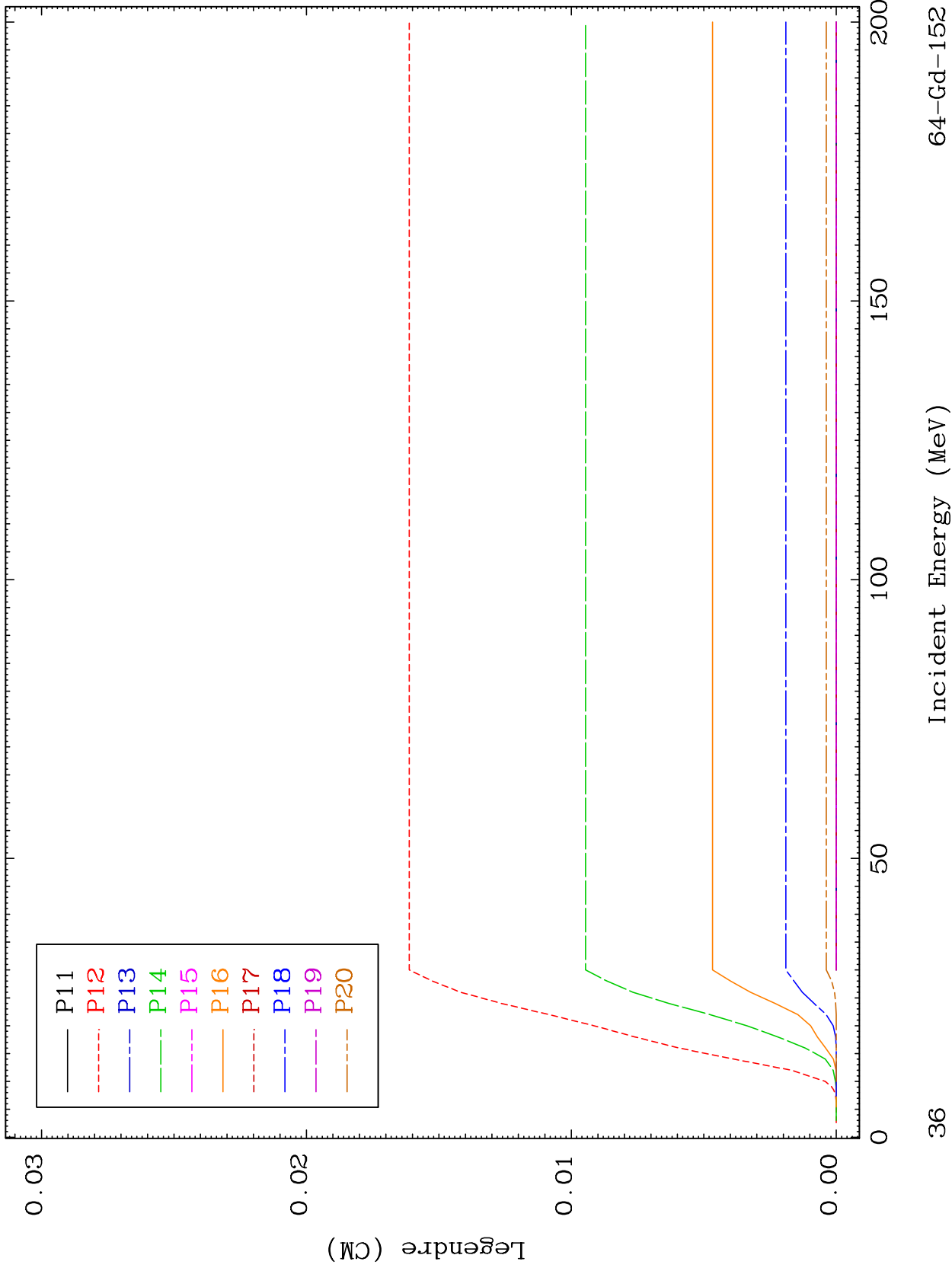
200



MAT 6425

1.048 MeV (n,n') Level  
Legendre Coefficients

64-Gd-152

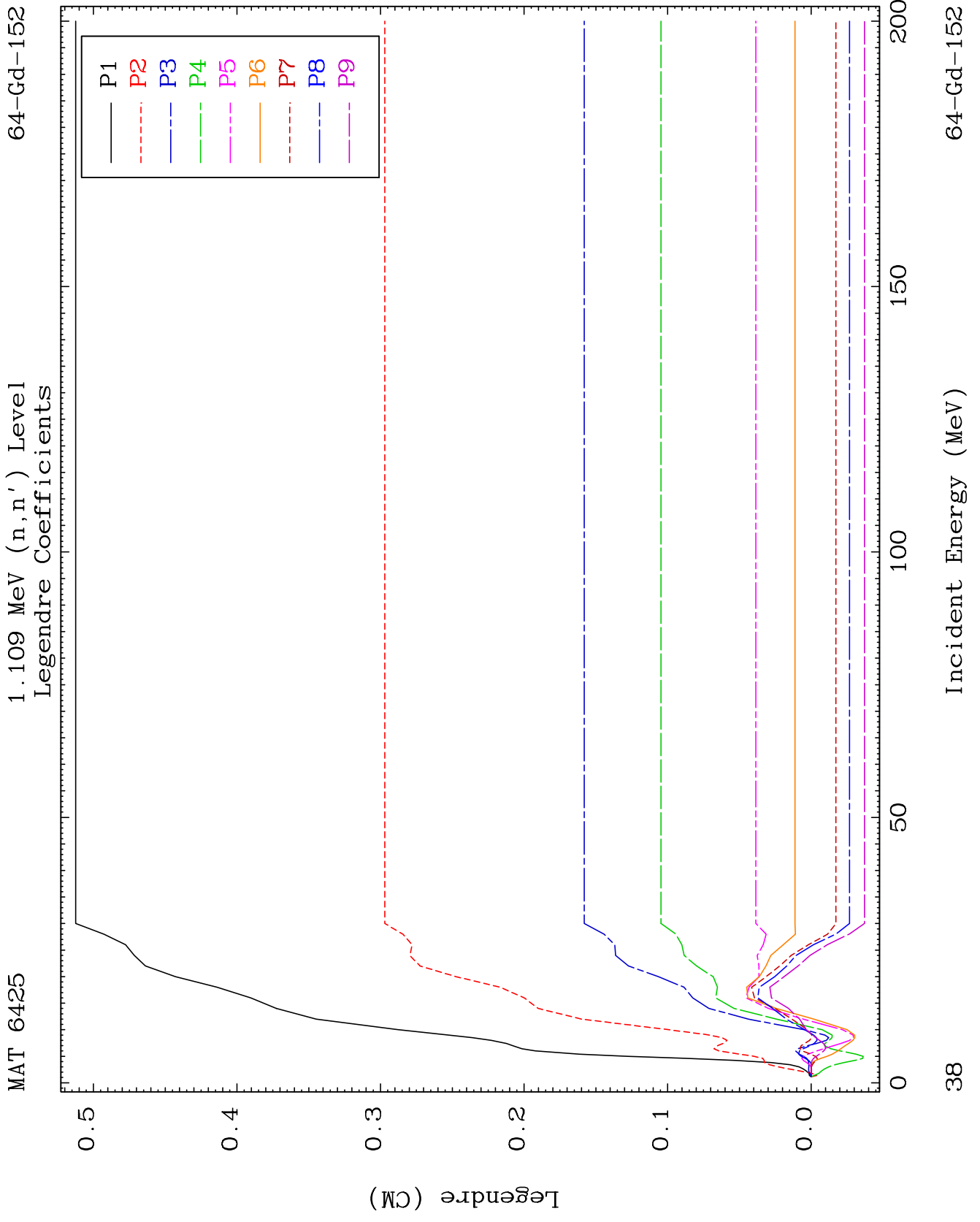


36

Incident Energy (MeV)

64-Gd-152

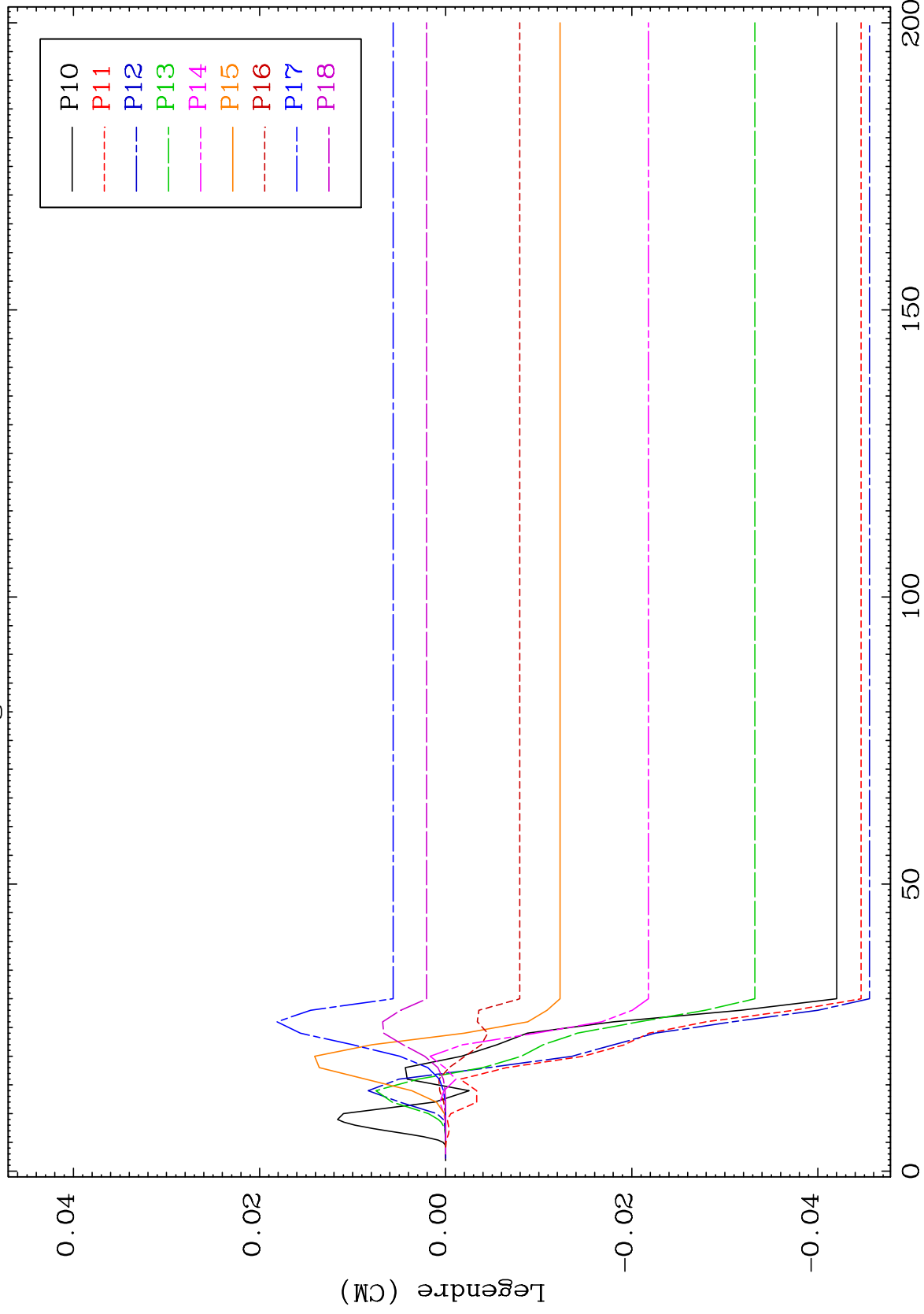




MAT 6425

1.109 MeV (n,n') Level  
Legendre Coefficients

64-Gd-152



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Incident Energy (MeV)

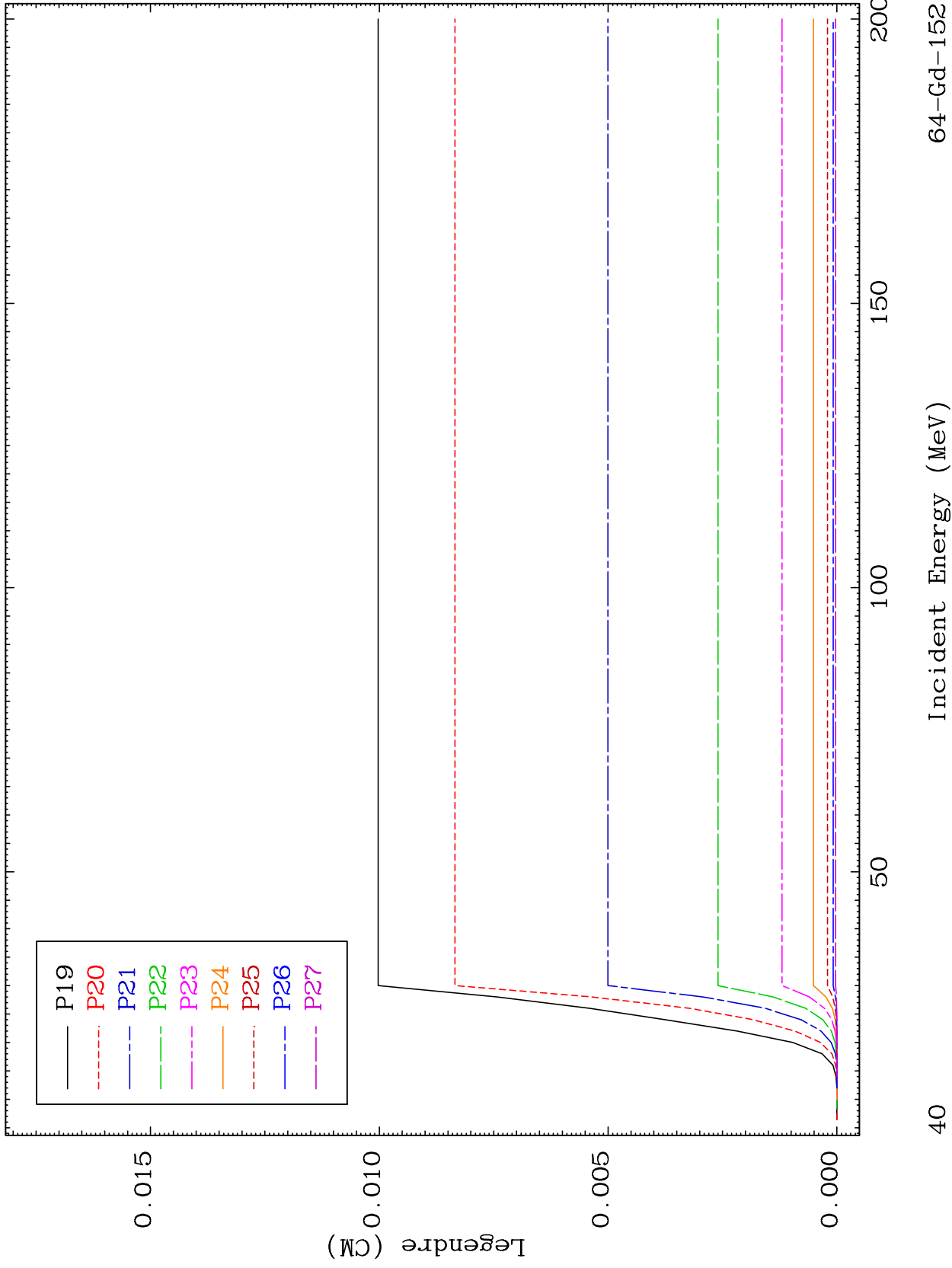
64-Gd-152



MAT 6425

1.109 MeV (n,n') Level  
Legendre Coefficients

64-Gd-152

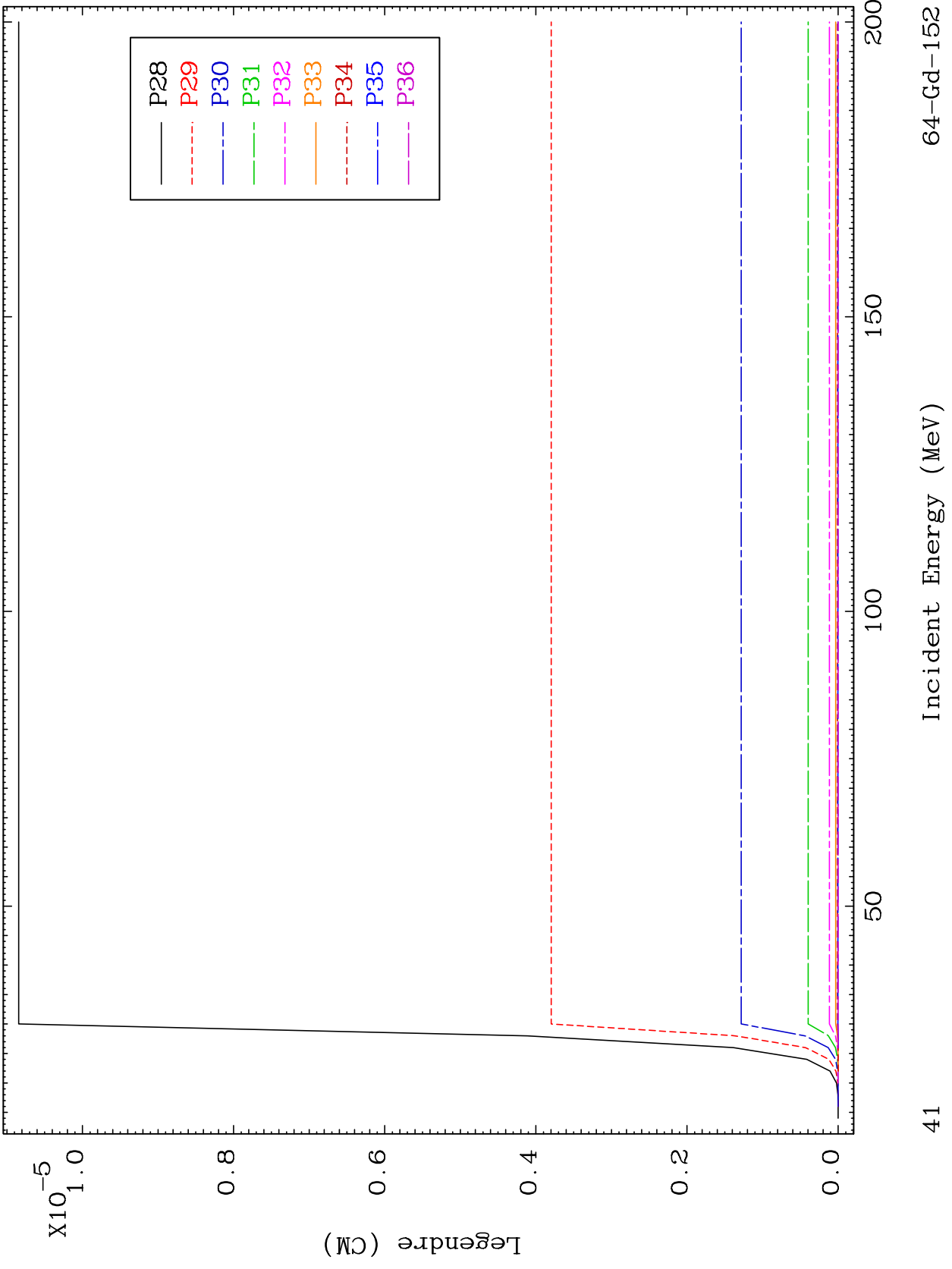


64-Gd-152

Incident Energy (MeV)

40

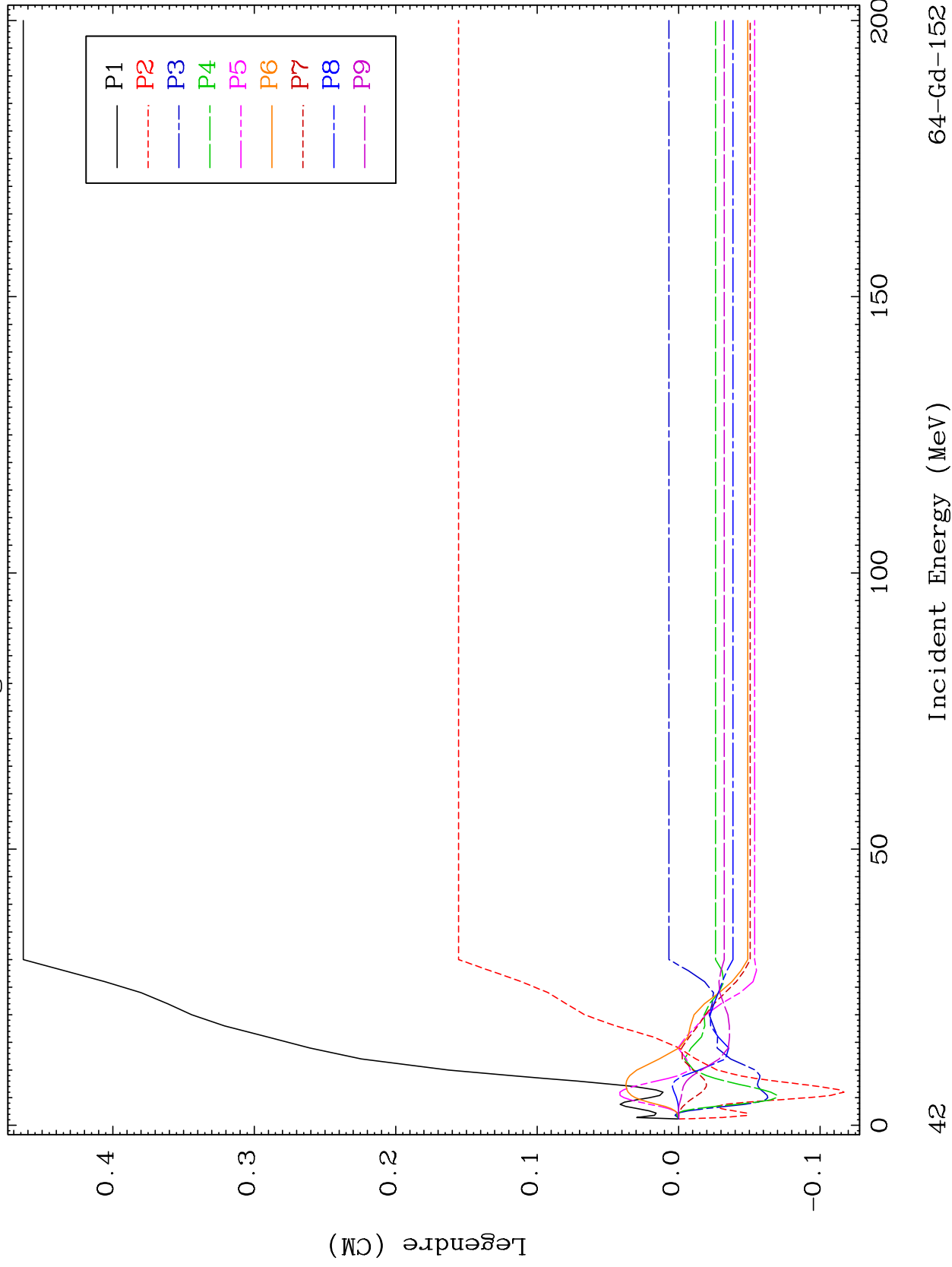
MAT 6425 1.109 MeV (n,n') Level Legendre Coefficients 64-Gd-152



MAT 6425

1.123 MeV (n,n') Level  
Legendre Coefficients

64-Gd-152



64-Gd-152

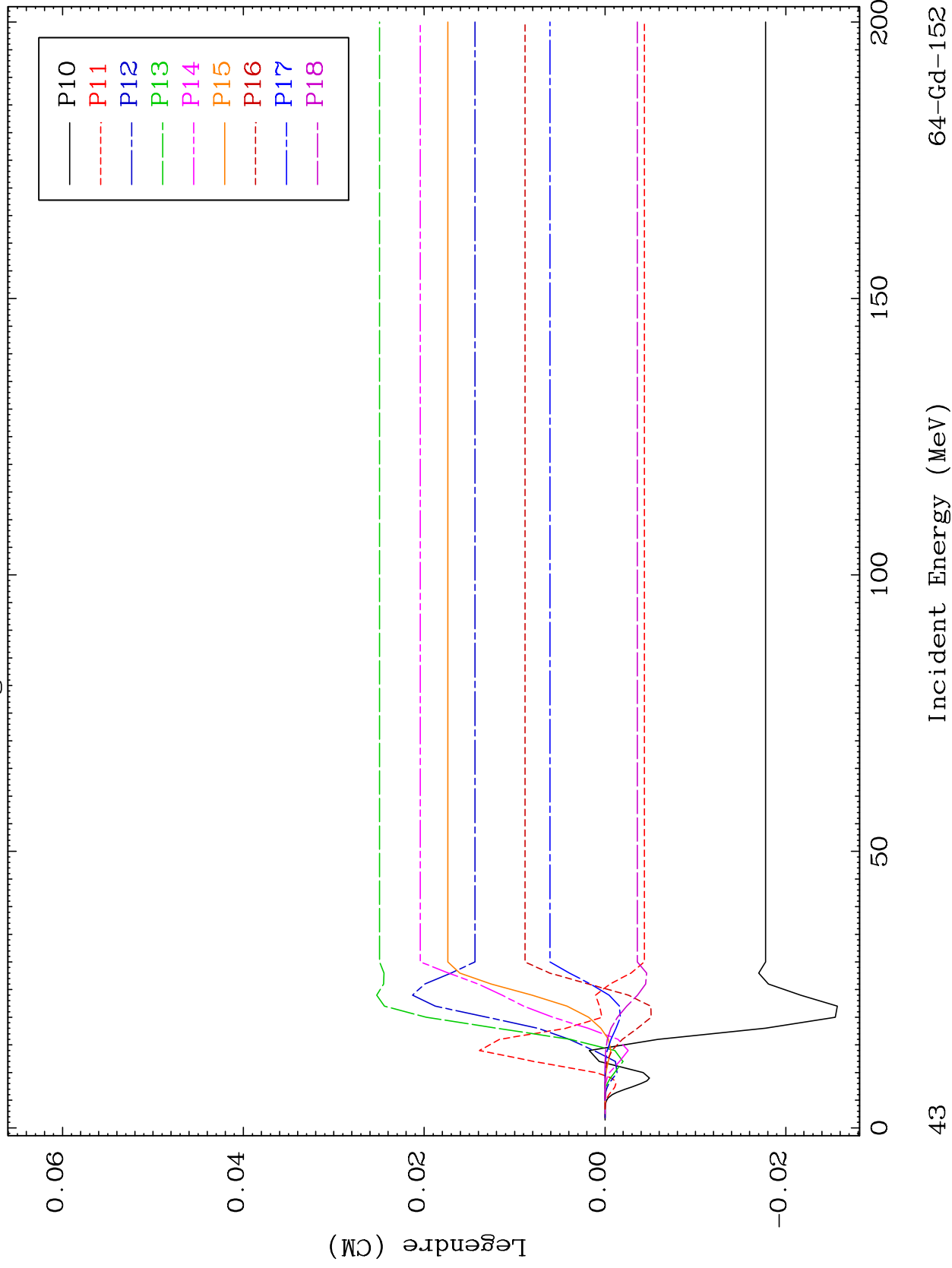
Incident Energy (MeV)

42

MAT 6425

1.123 MeV (n,n') Level  
Legendre Coefficients

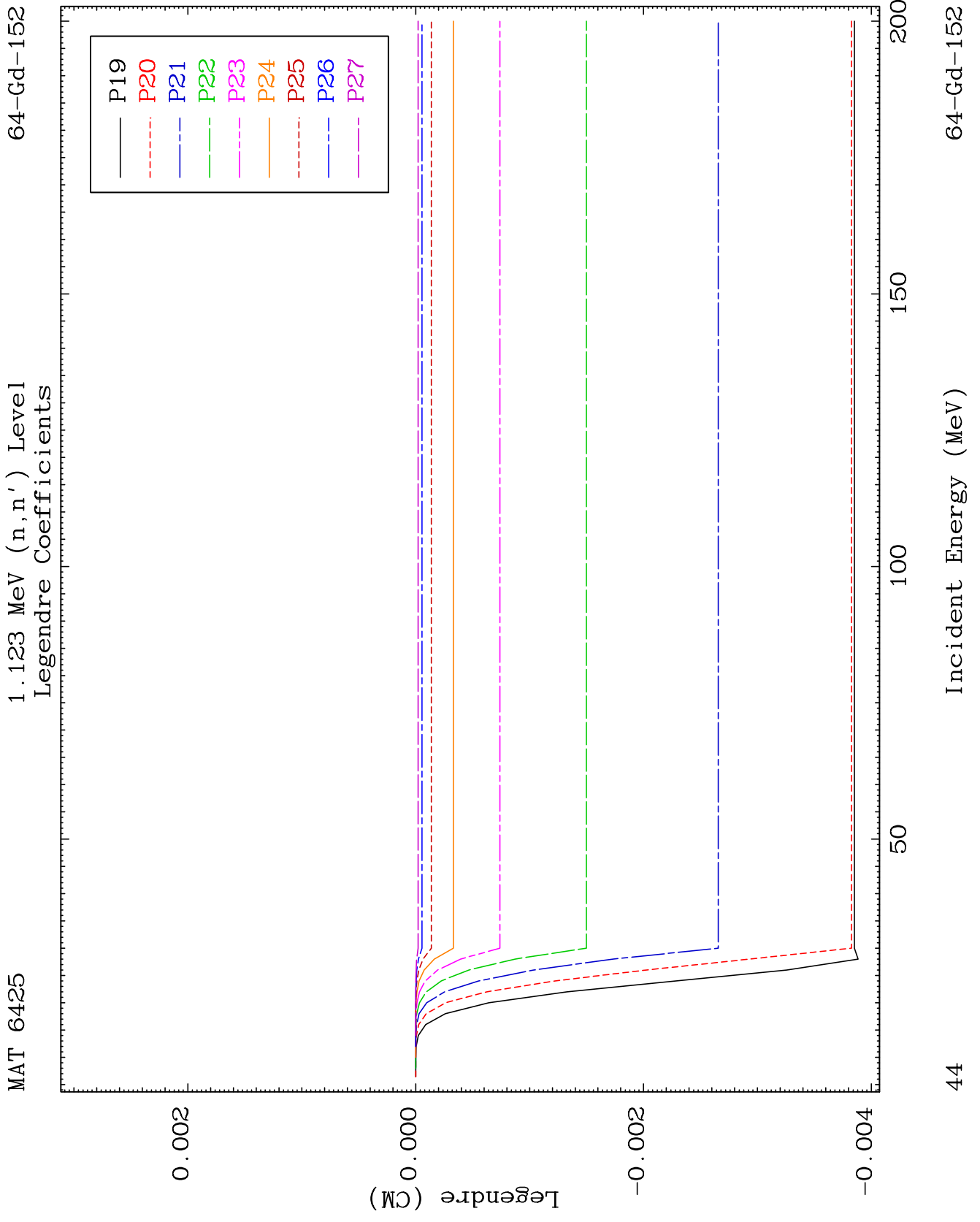
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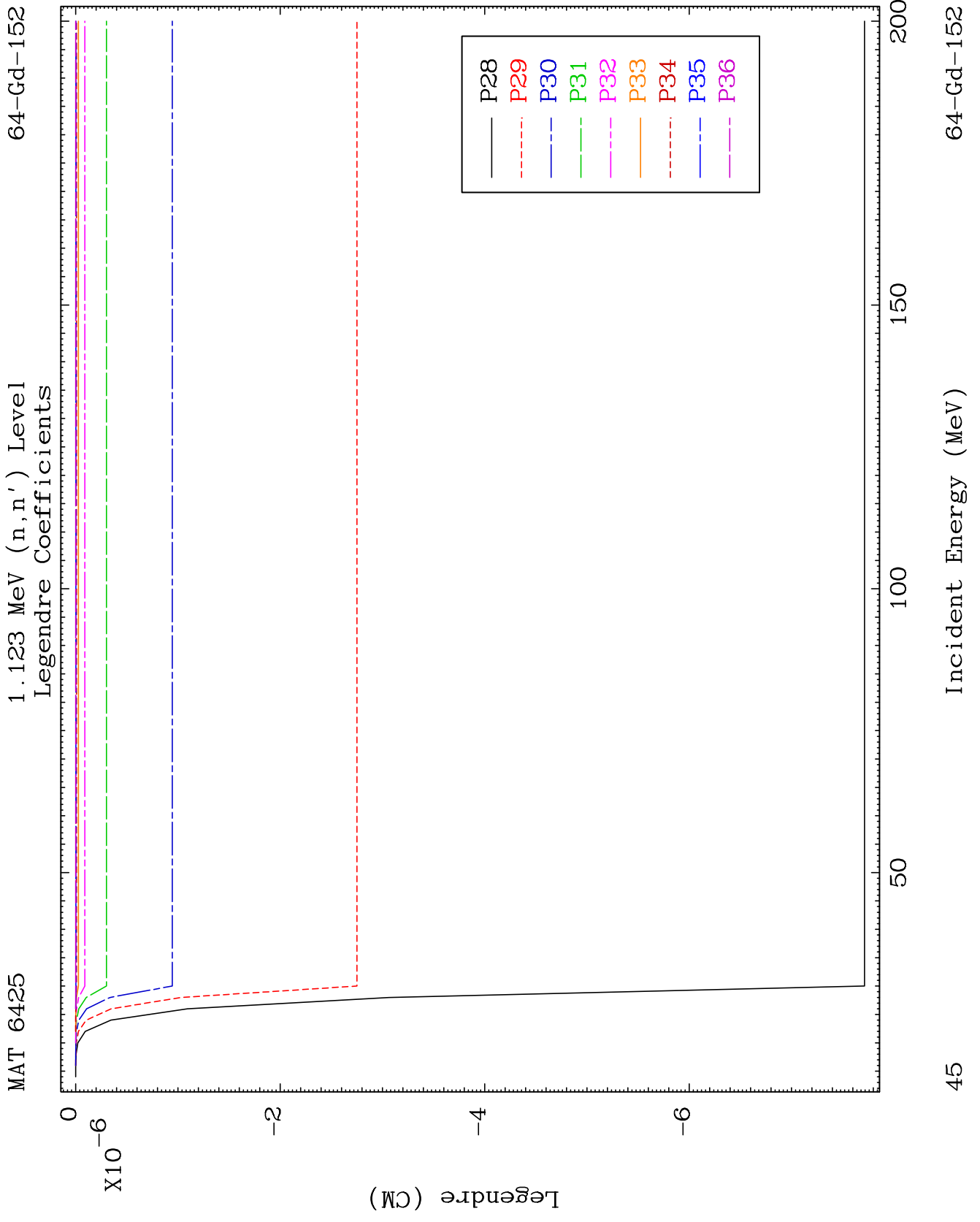


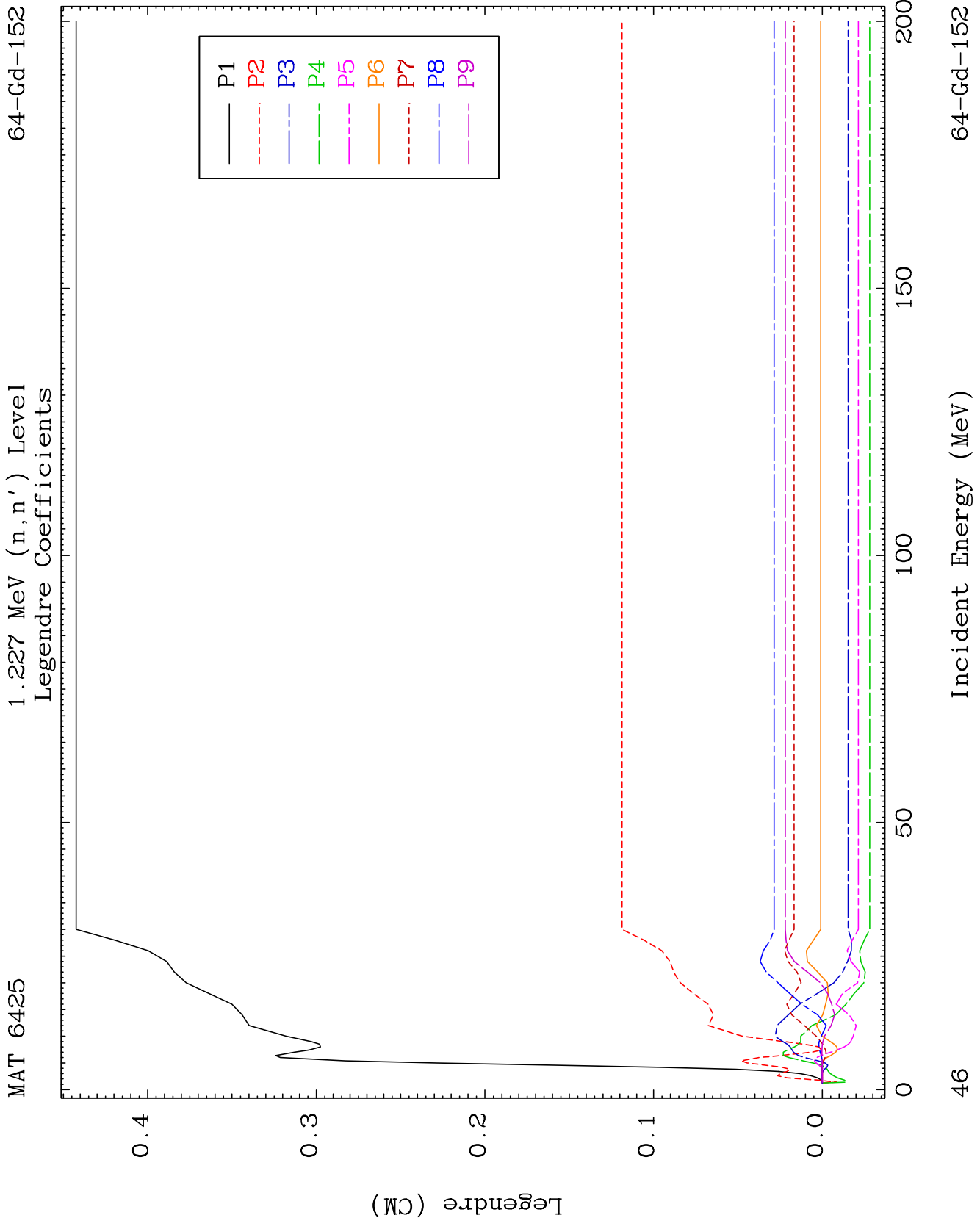
64-Gd-152

Incident Energy (MeV)

43



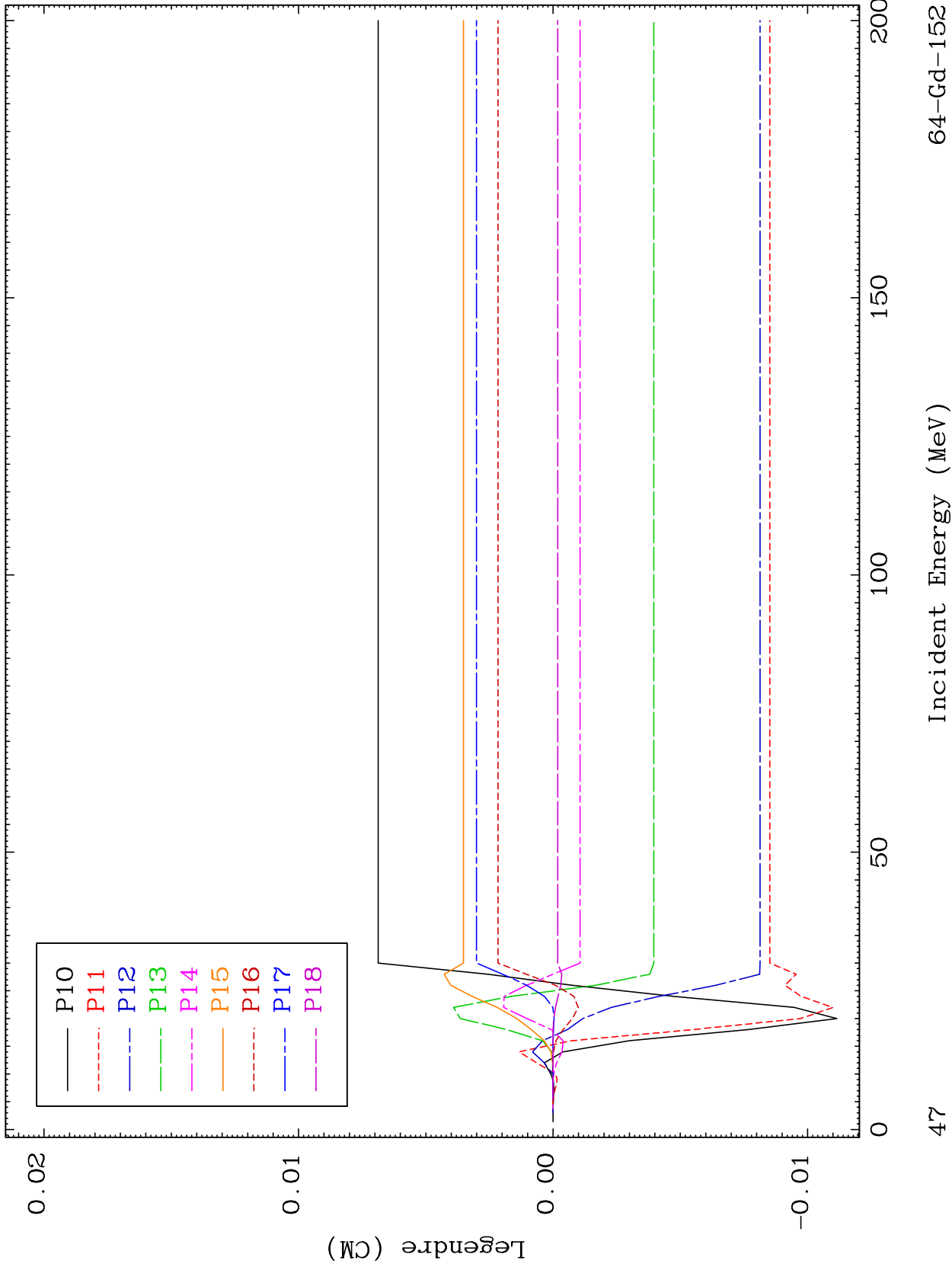




MAT 6425

1.227 MeV (n,n') Level  
Legendre Coefficients

64-Gd-152

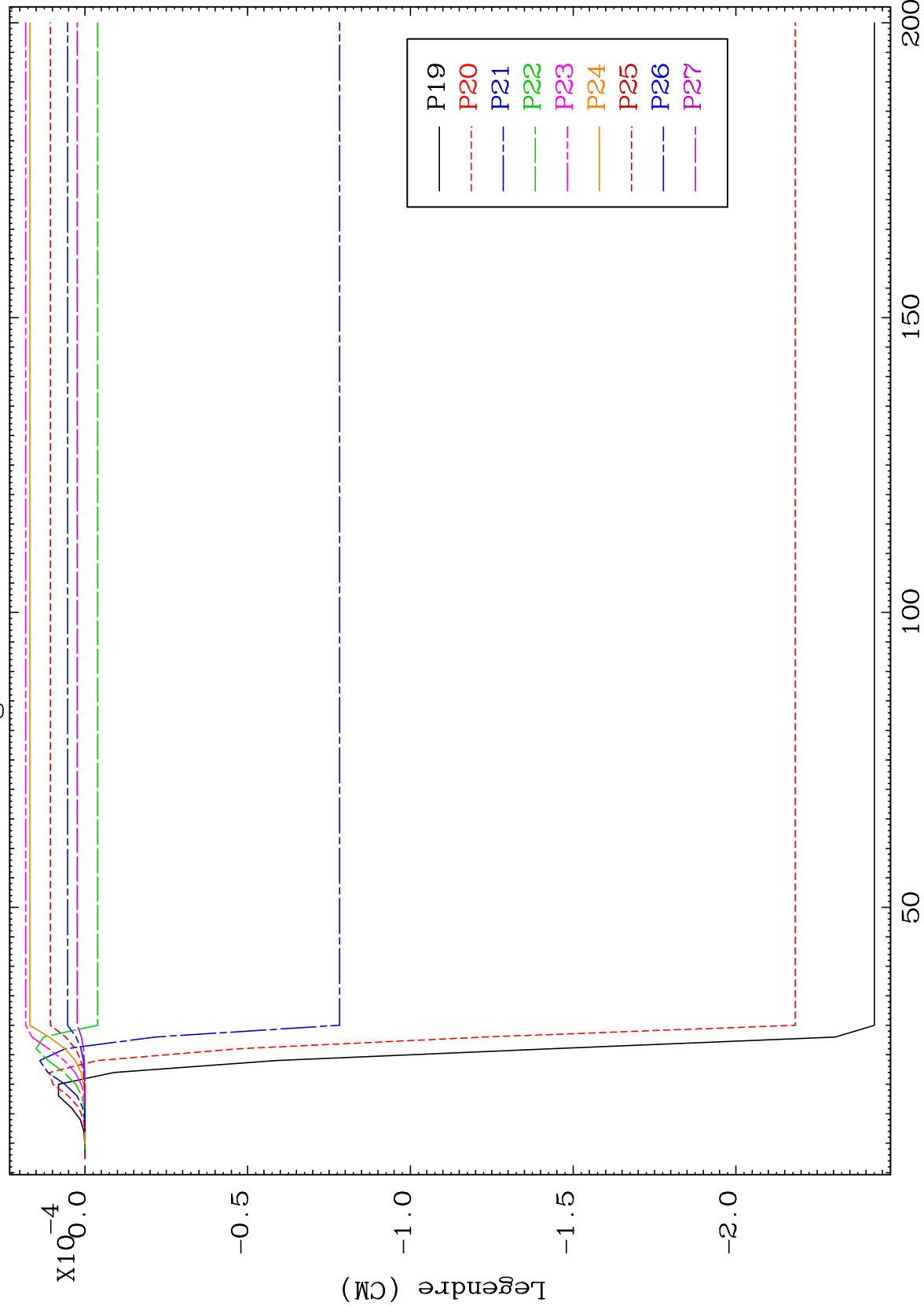


47

Incident Energy (MeV)

64-Gd-152

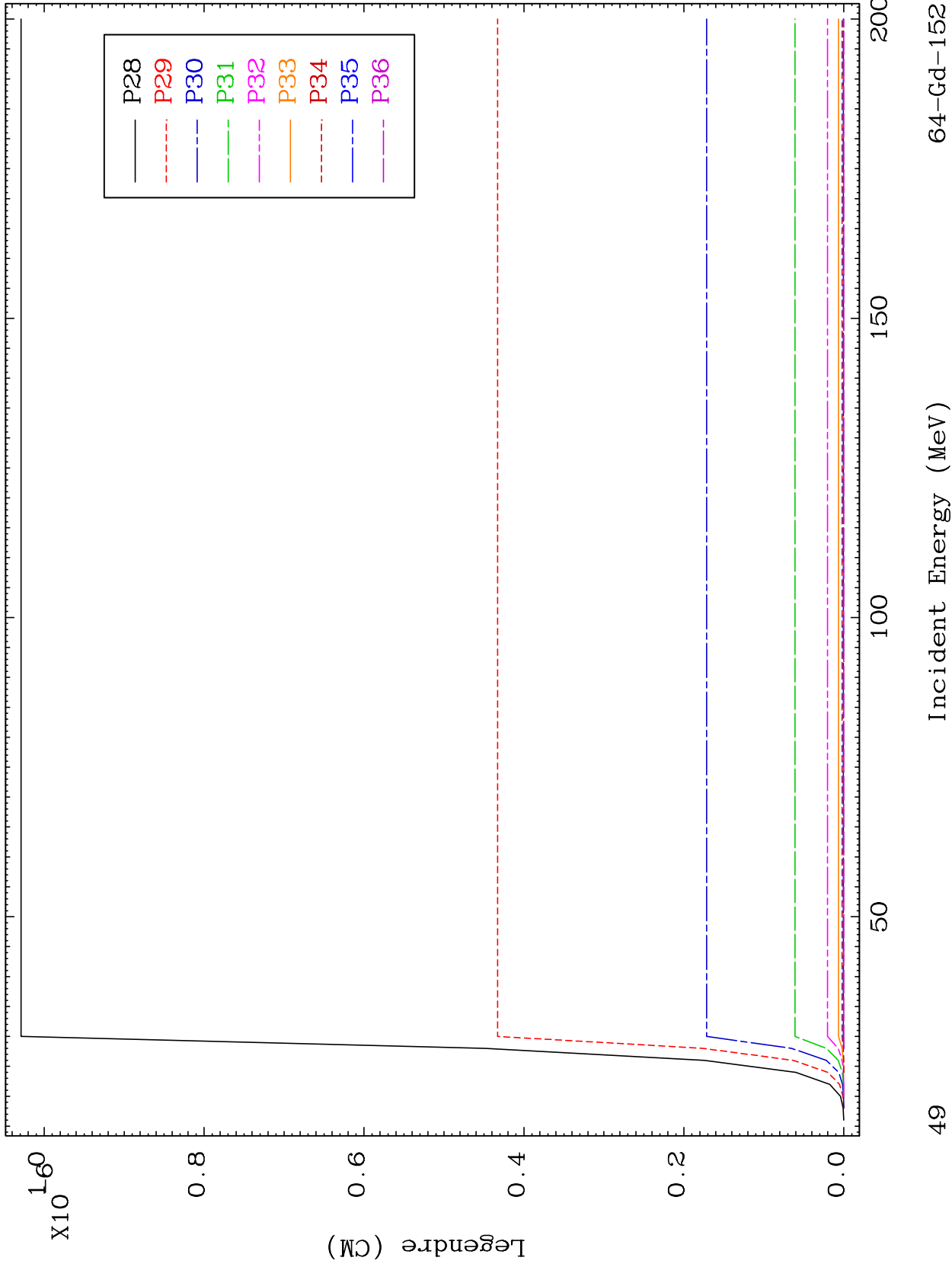




MAT 6425

1.227 MeV (n,n') Level  
Legendre Coefficients

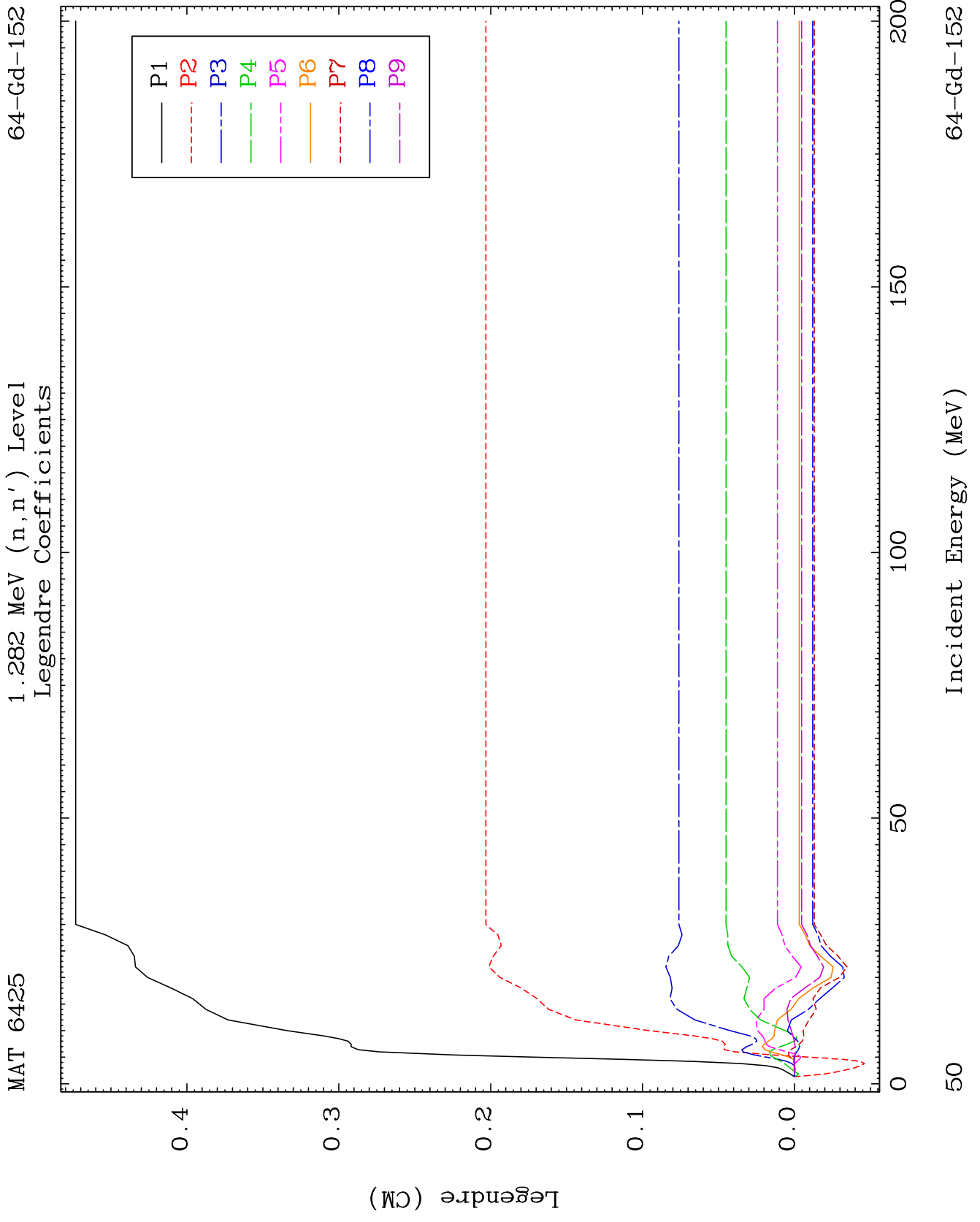
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49

Incident Energy (MeV)

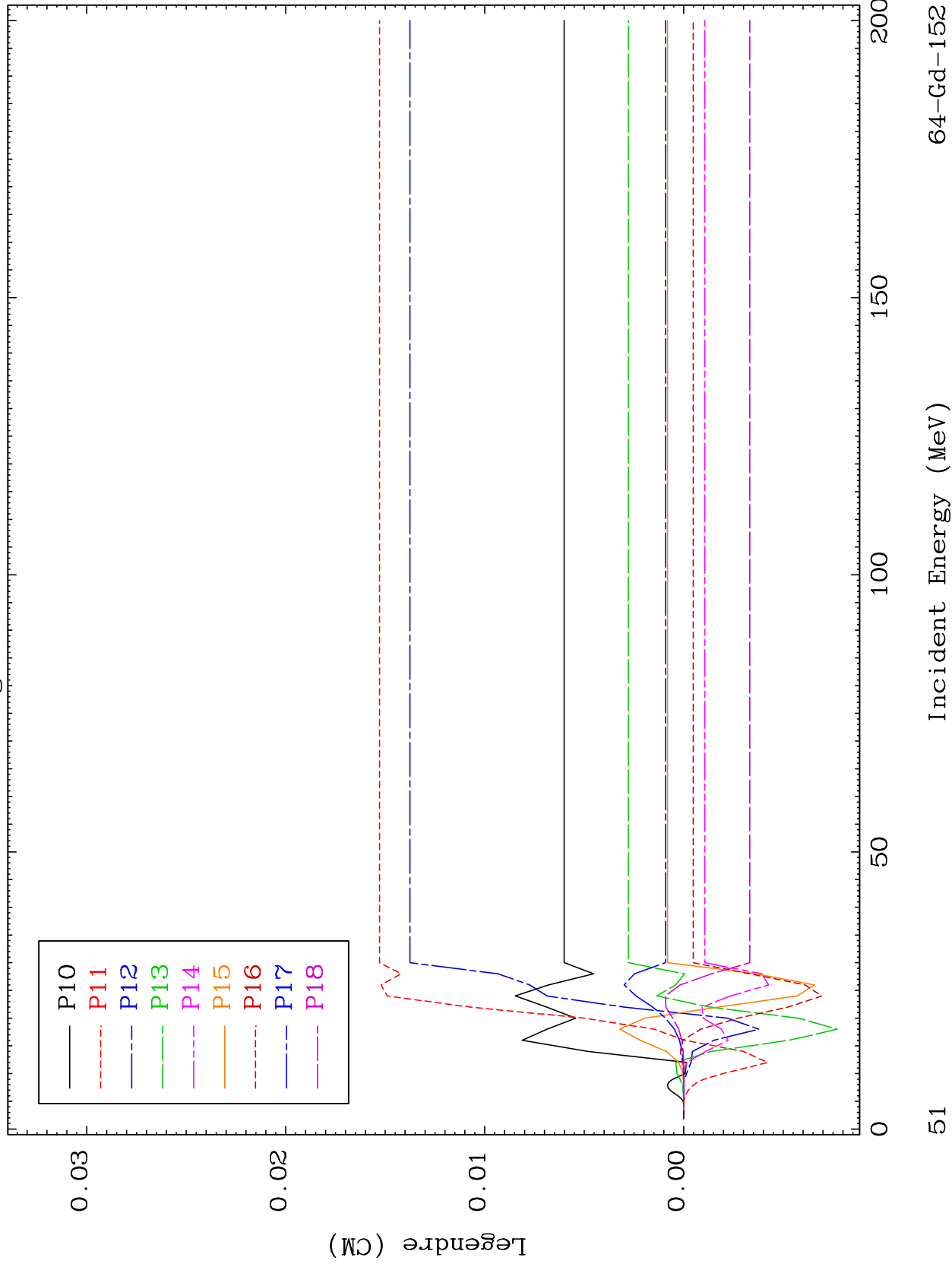
64-Gd-152



MAT 6425

1.282 MeV (n, n') Level  
Legendre Coefficients

64-Gd-152



64-Gd-152

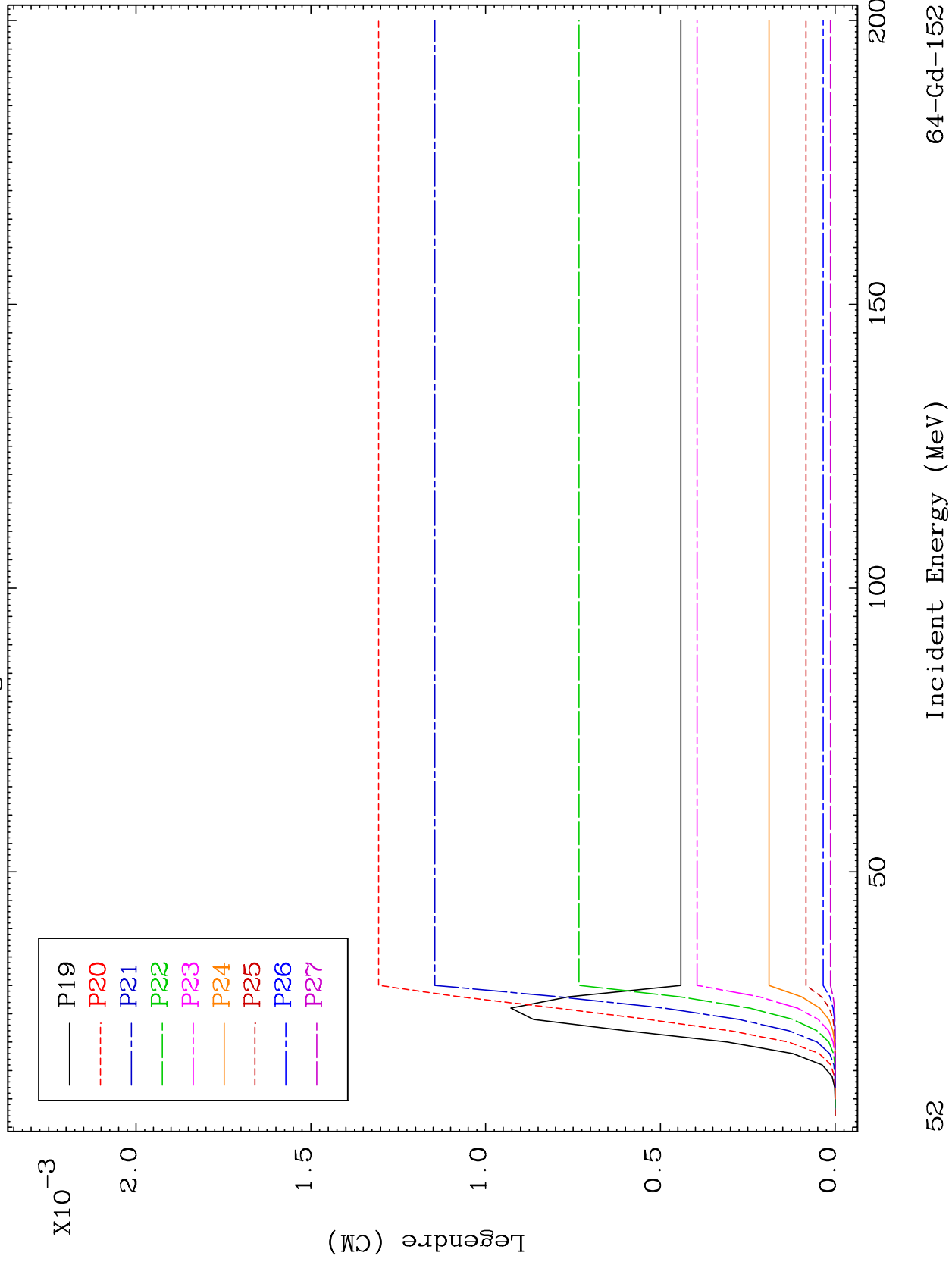
Incident Energy (MeV)

51

MAT 6425

1.282 MeV (n,n') Level  
Legendre Coefficients

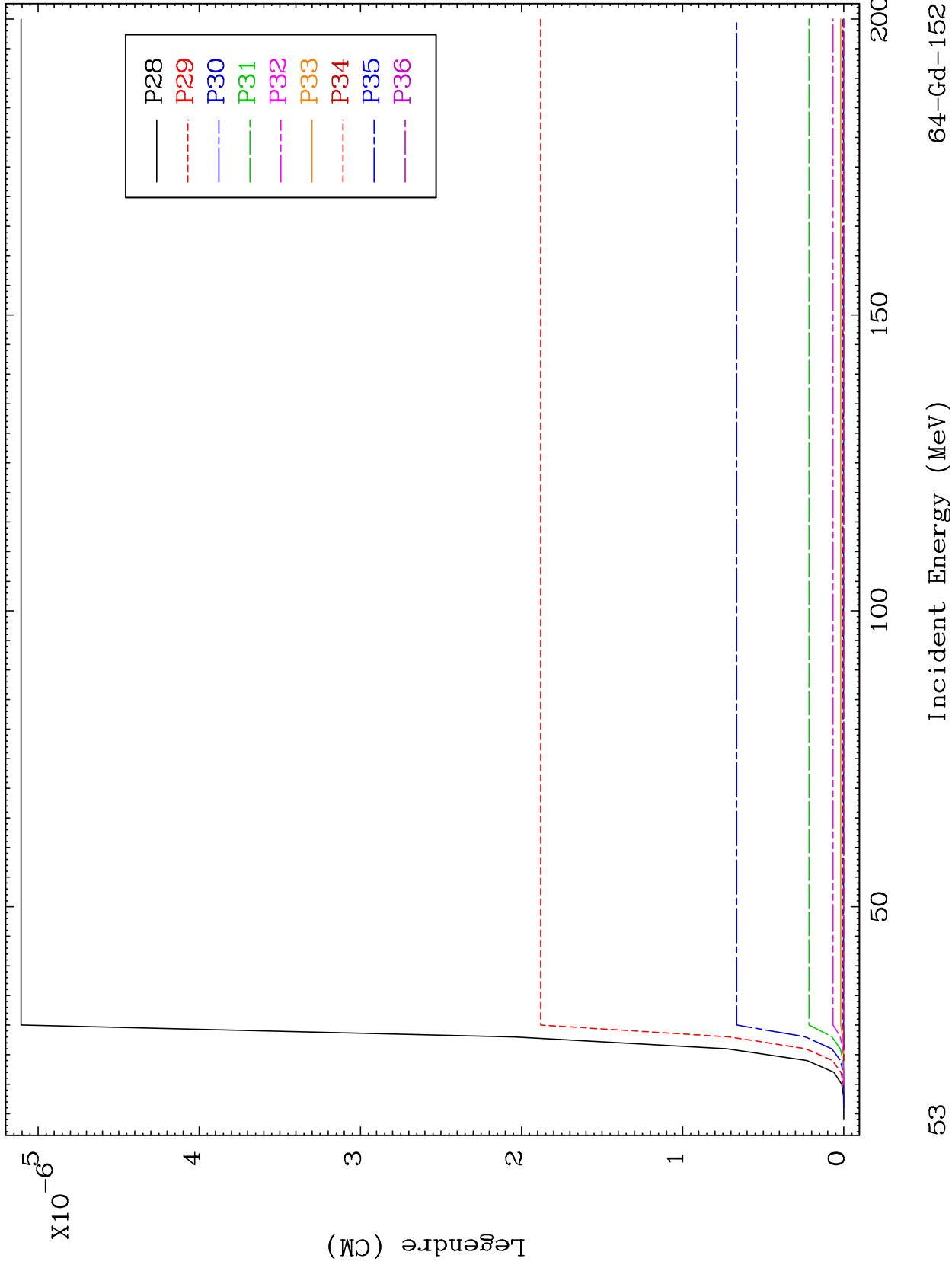
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52

Incident Energy (MeV)

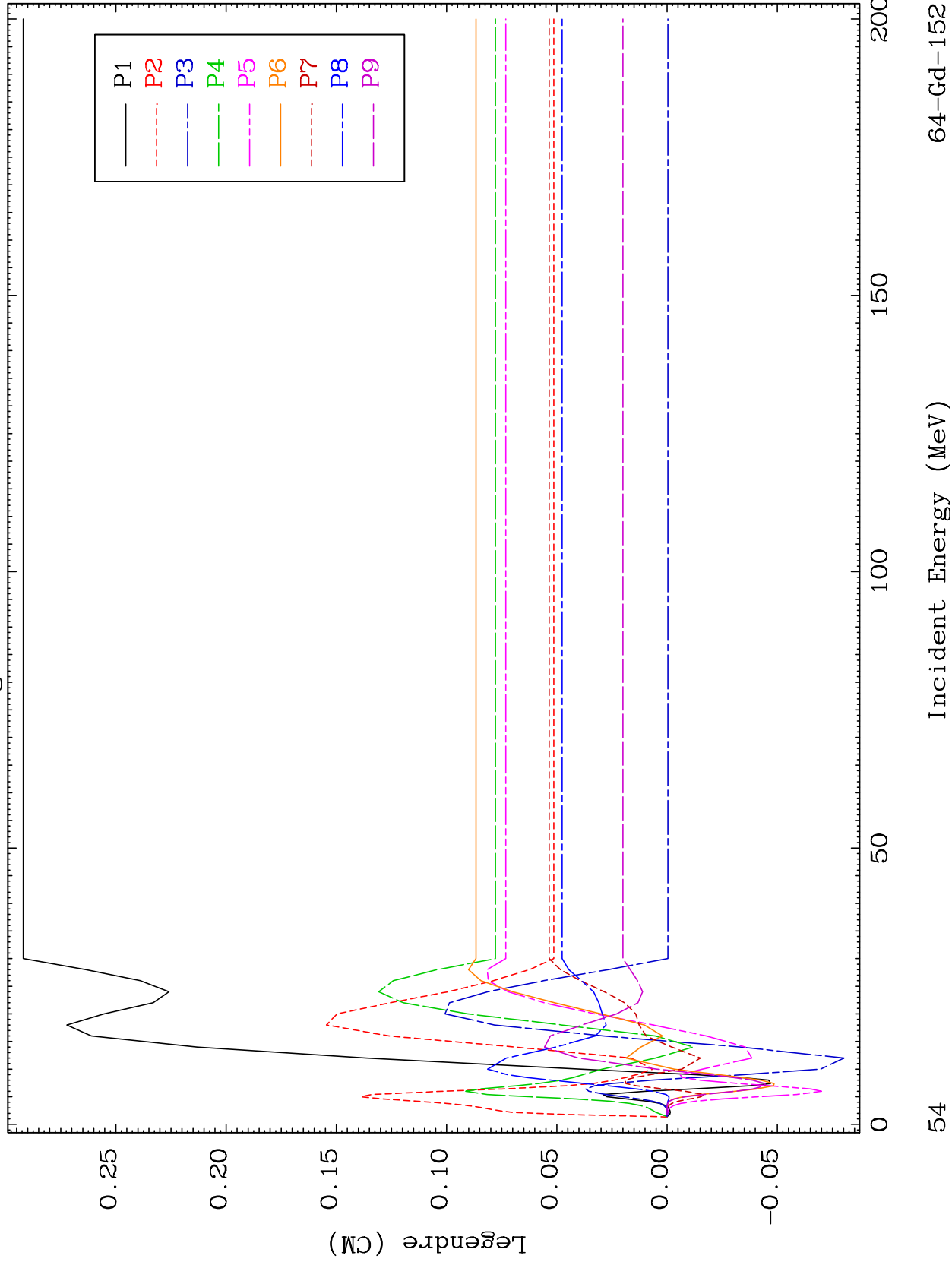
64-Gd-152



MAT 6425

1.315 MeV (n,n') Level  
Legendre Coefficients

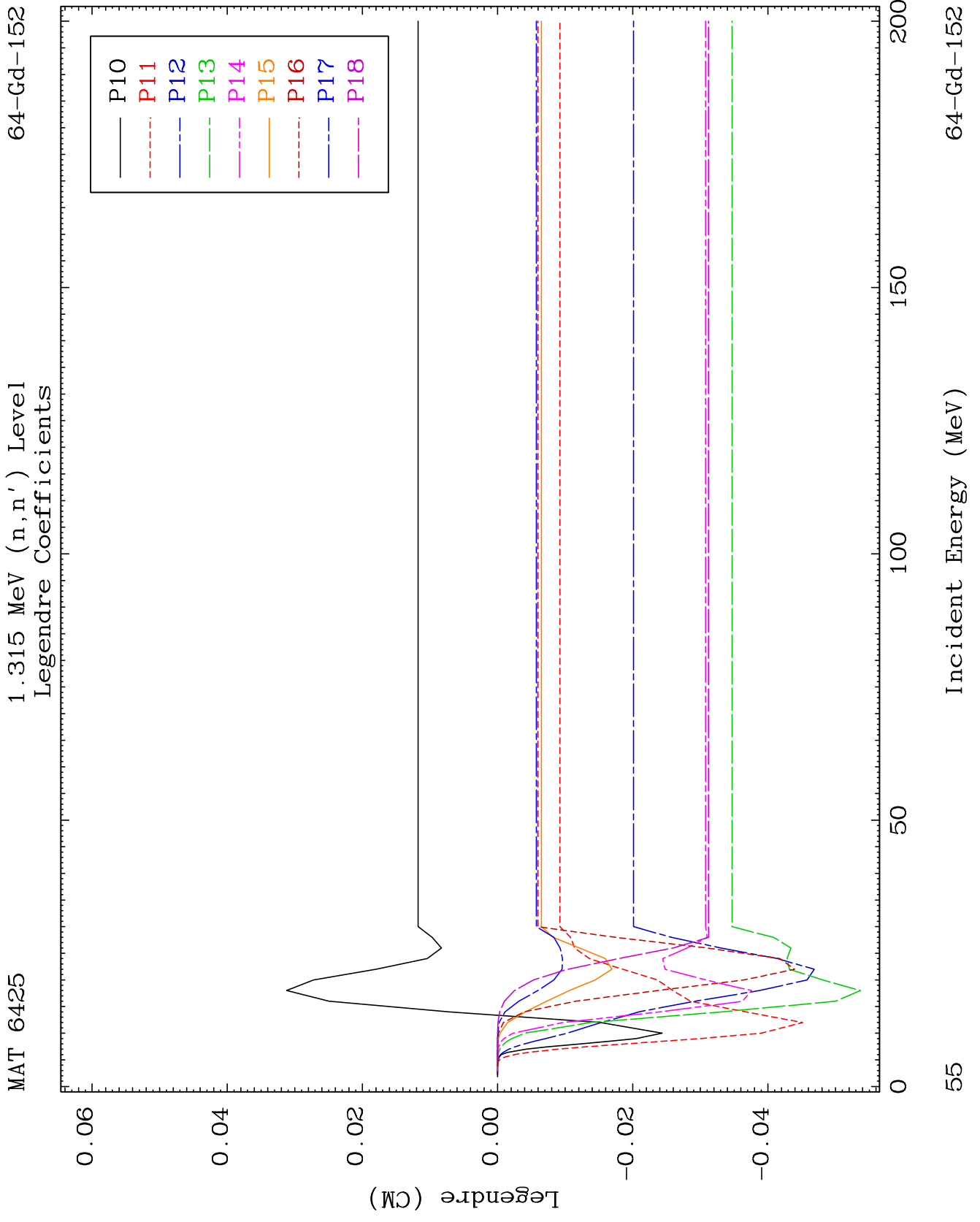
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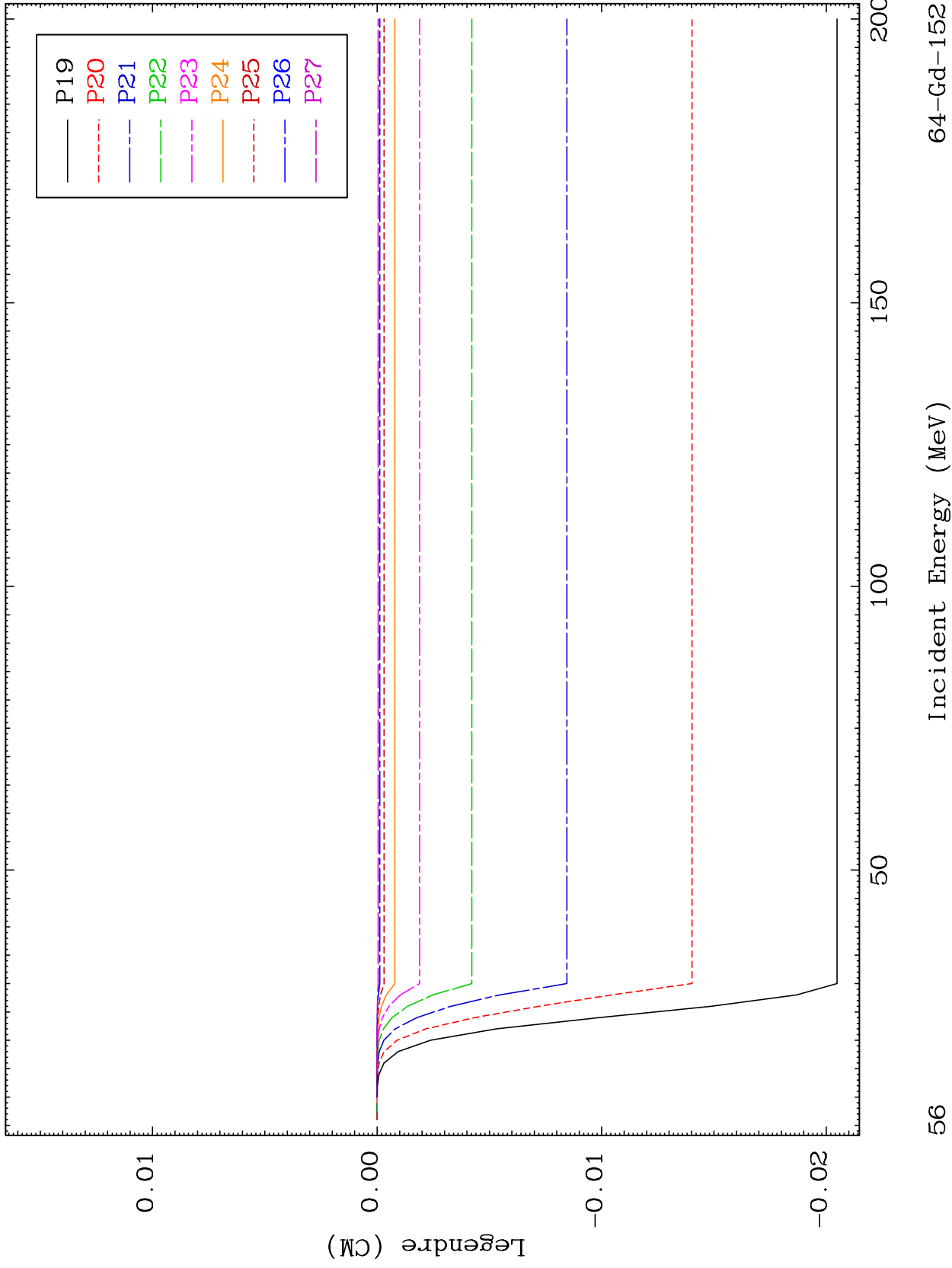
54

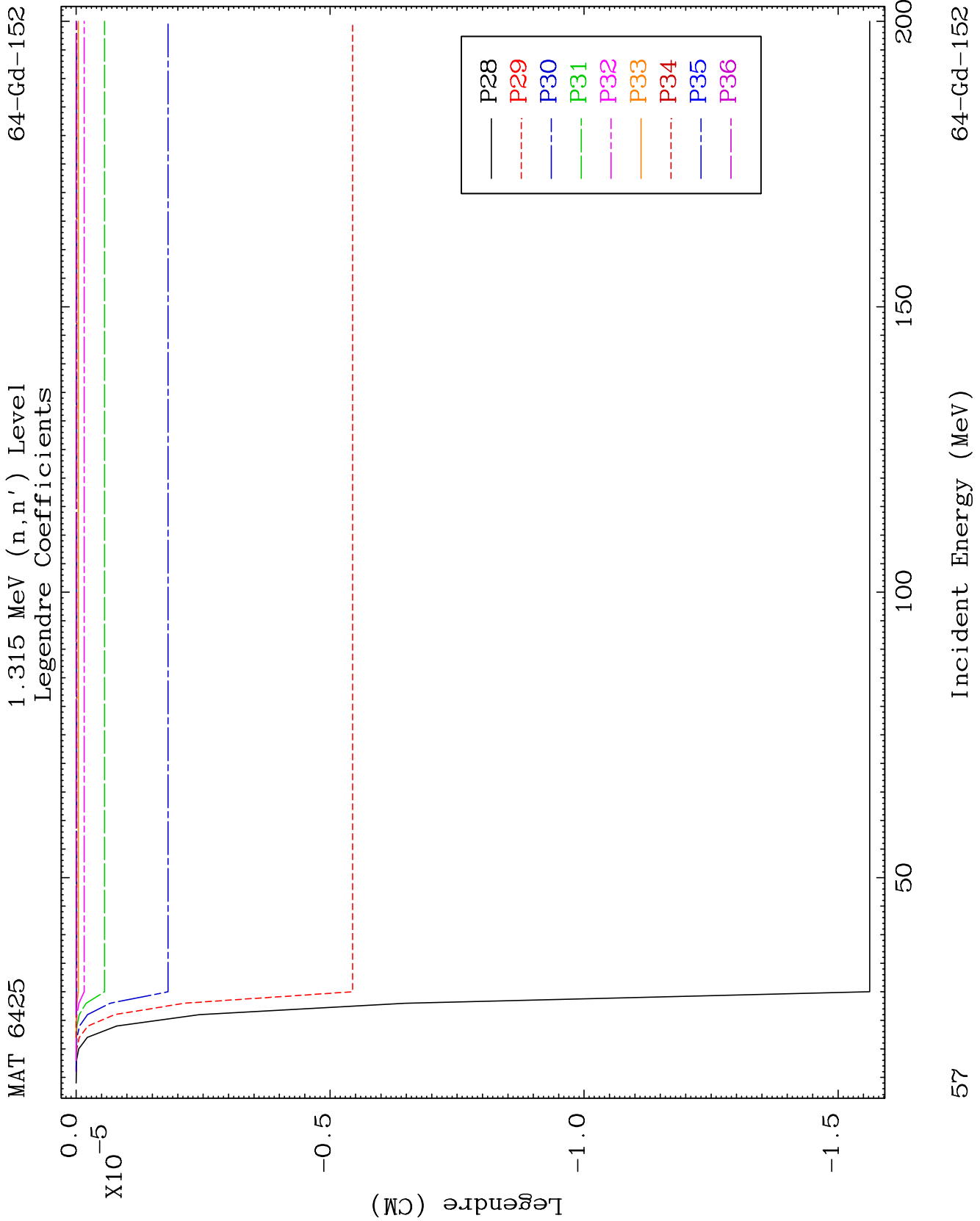
Incident Energy (MeV)

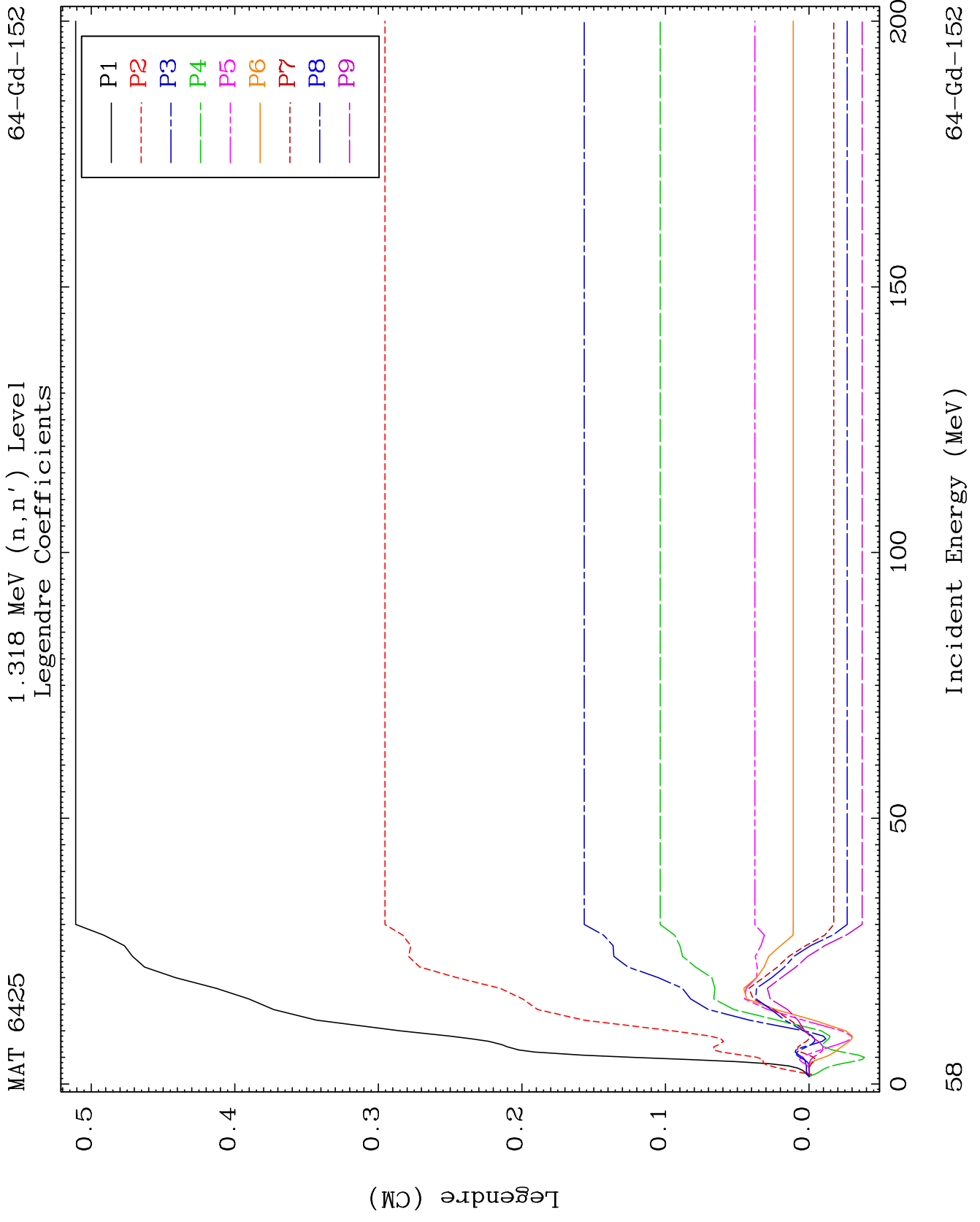
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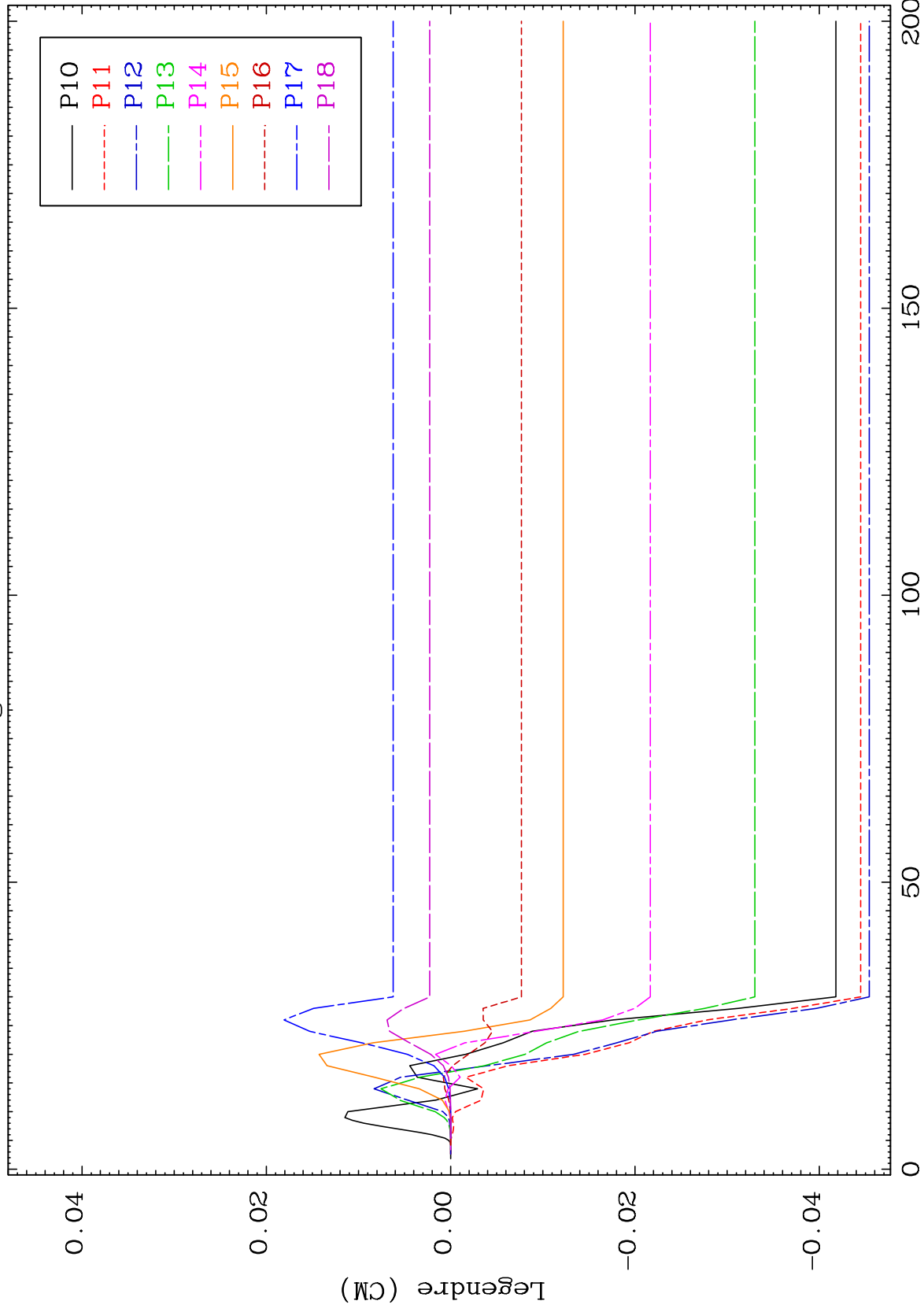








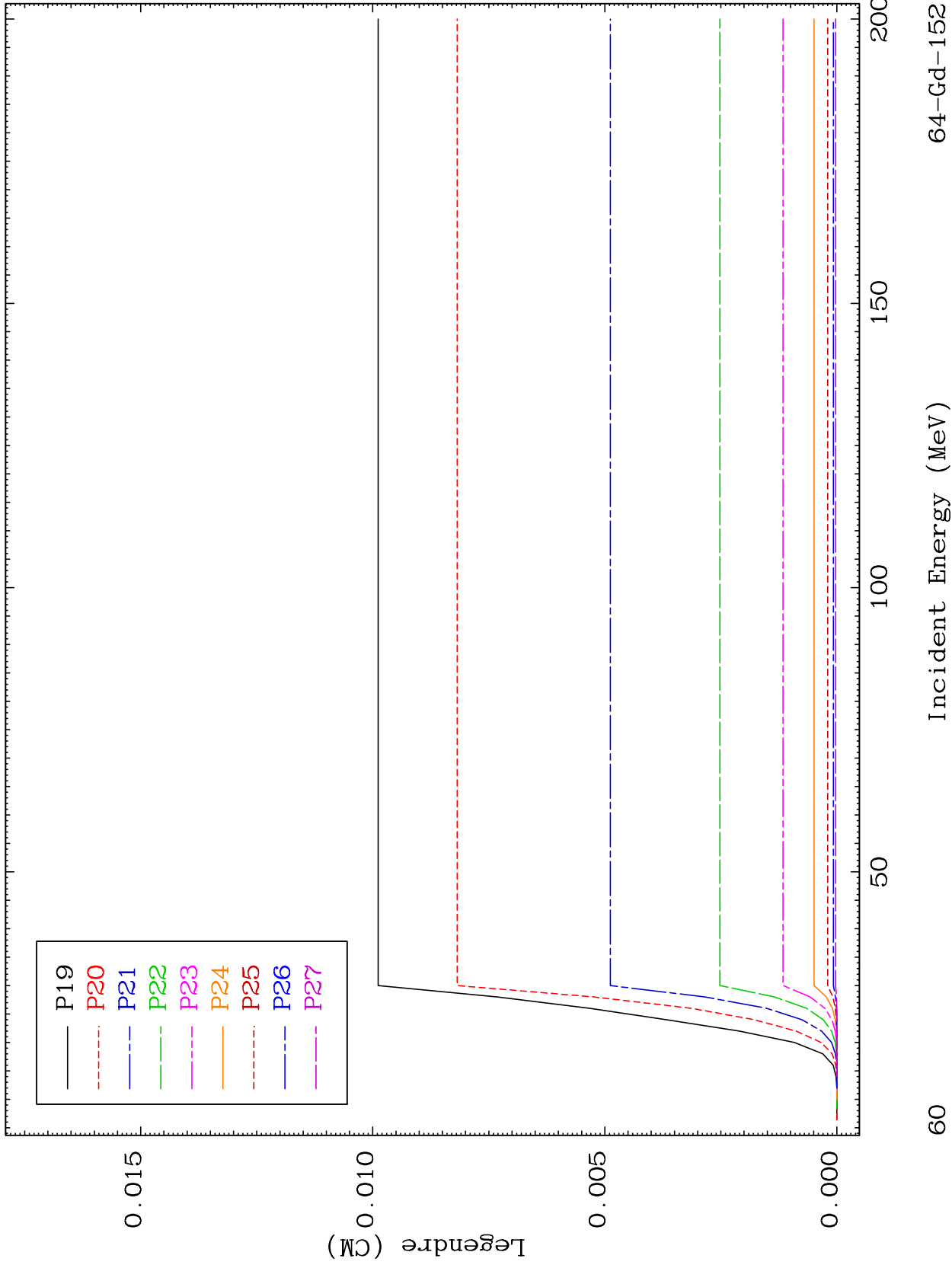




MAT 6425

1.318 MeV (n,n') Level  
Legendre Coefficients

64-Gd-152



60

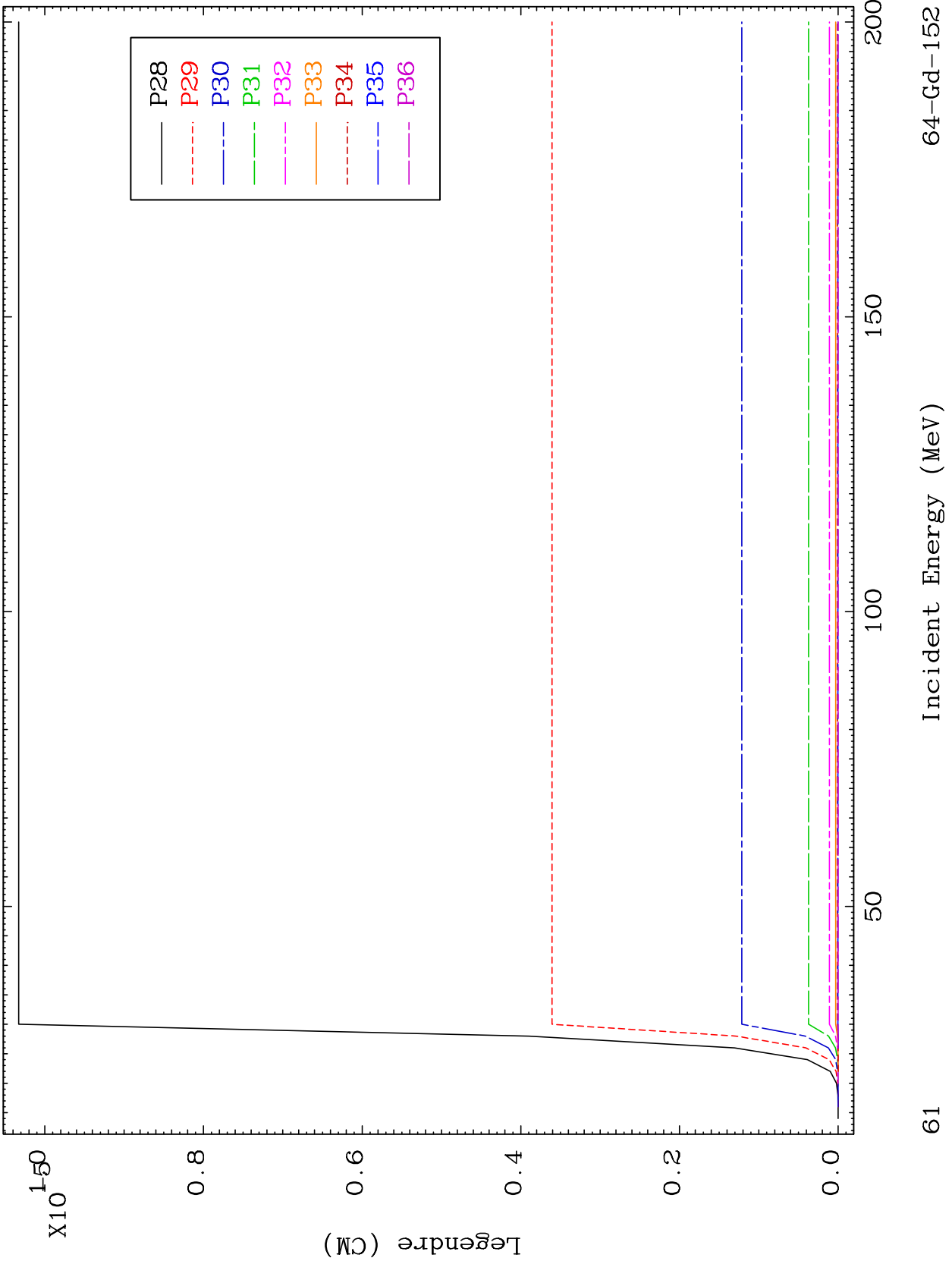
Incident Energy (MeV)

64-Gd-152

MAT 6425

1.318 MeV (n, n') Level  
Legendre Coefficients

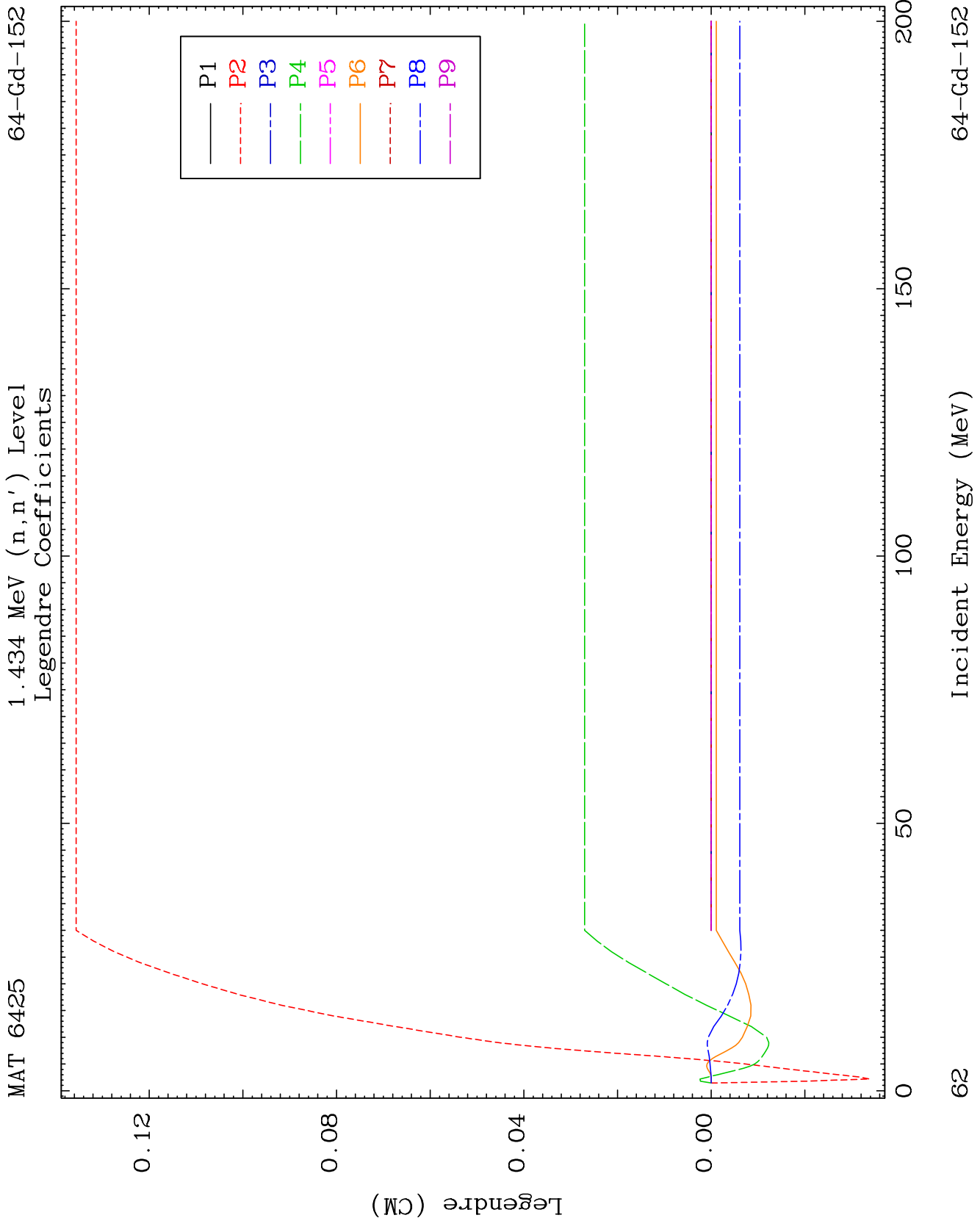
64-Gd-152



61

Incident Energy (MeV)

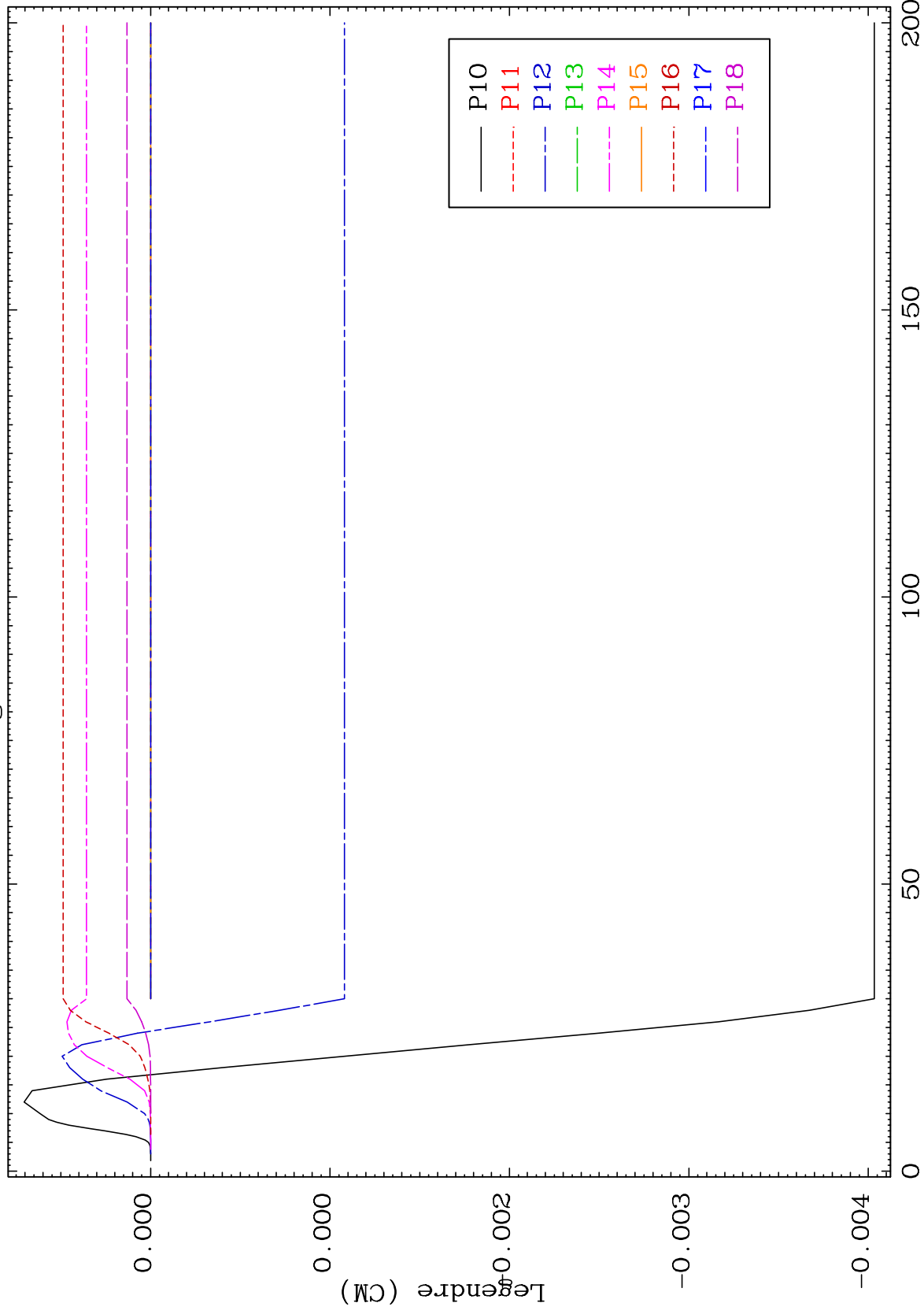
64-Gd-152



MAT 6425

1.434 MeV (n,n') Level  
Legendre Coefficients

64-Gd-152



63

Incident Energy (MeV)

64-Gd-152



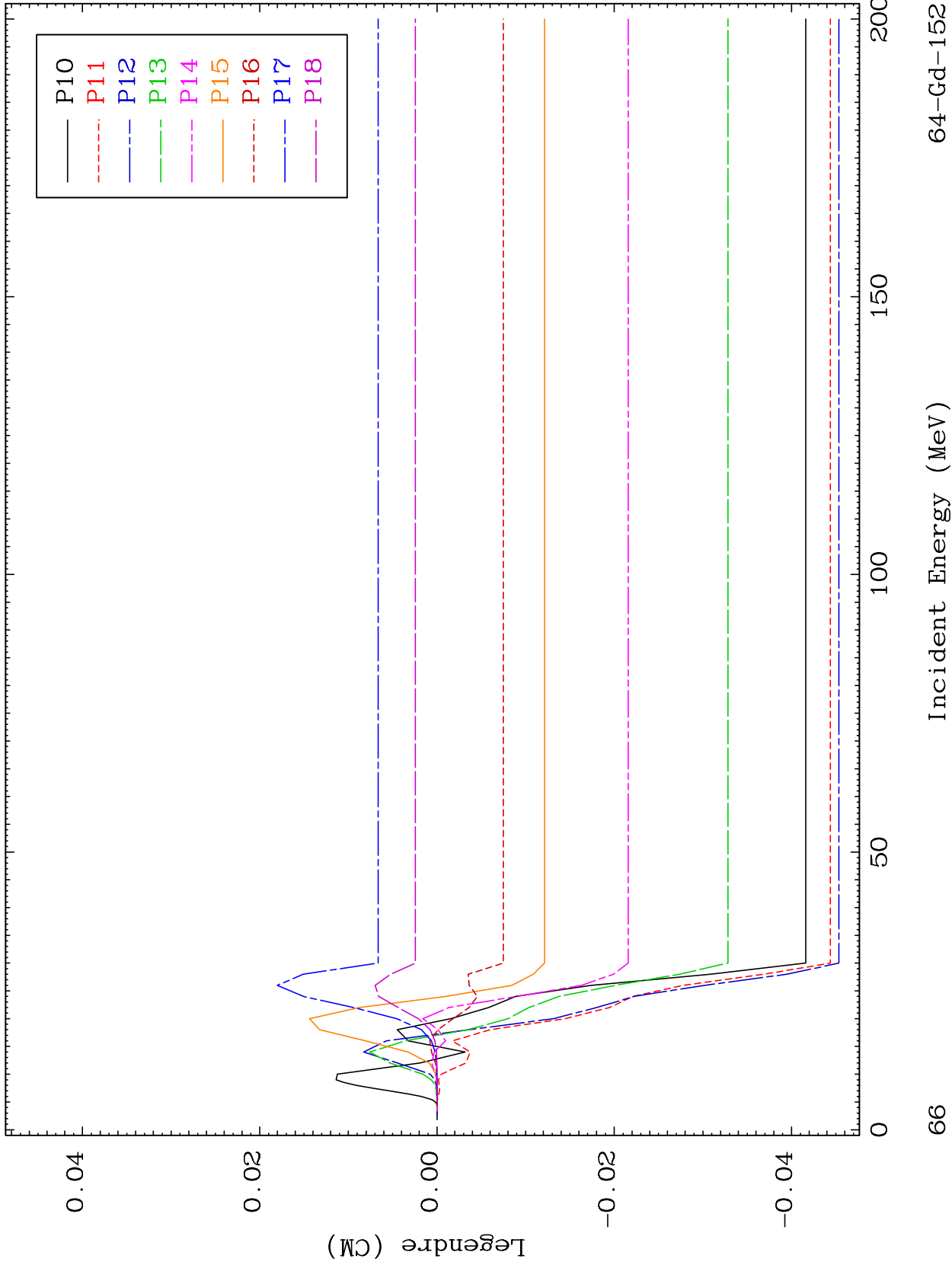




MAT 6425

1.461 MeV (n,n') Level  
Legendre Coefficients

64-Gd-152



66

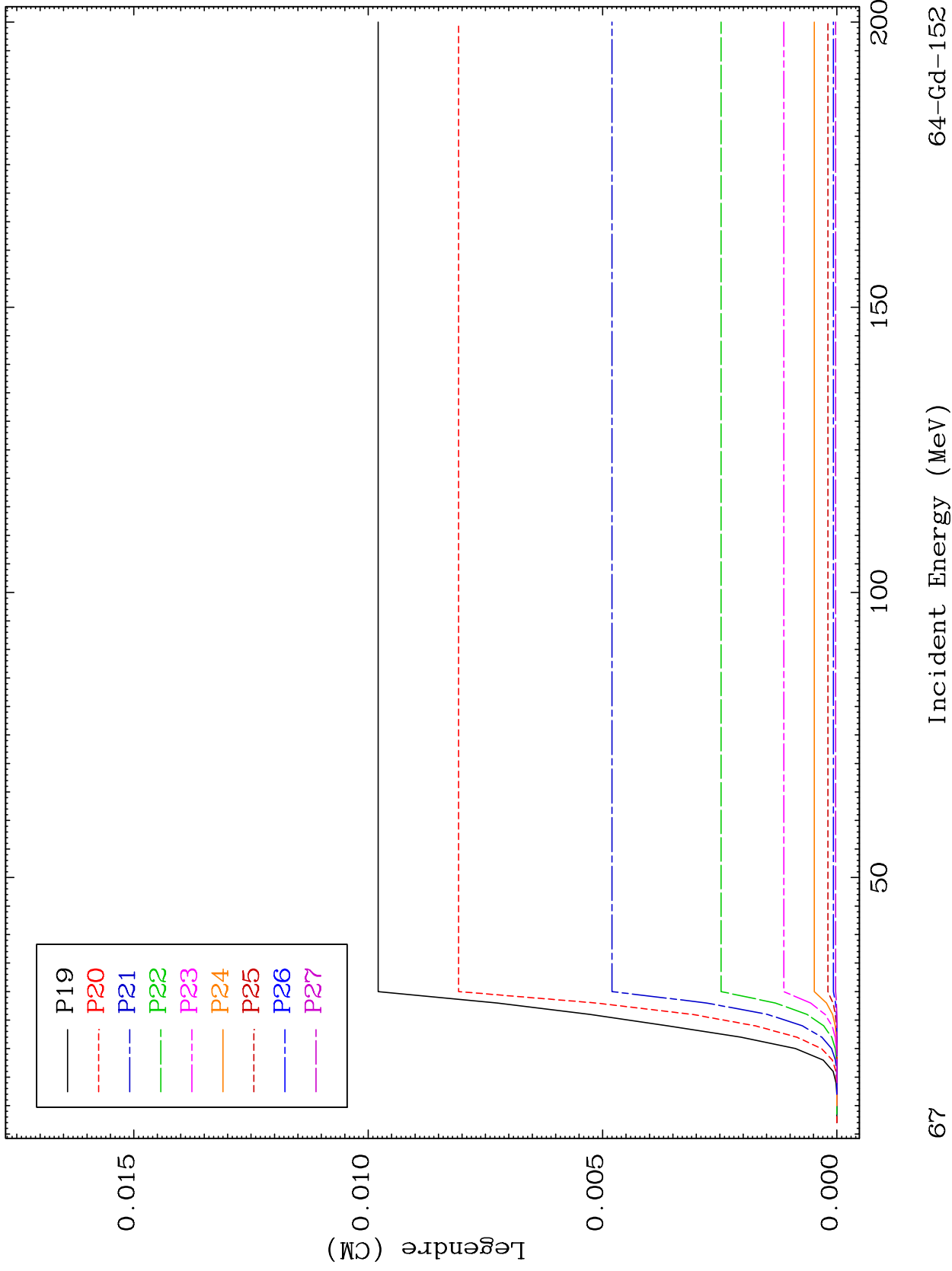
Incident Energy (MeV)

64-Gd-152

MAT 6425

1.461 MeV (n,n') Level  
Legendre Coefficients

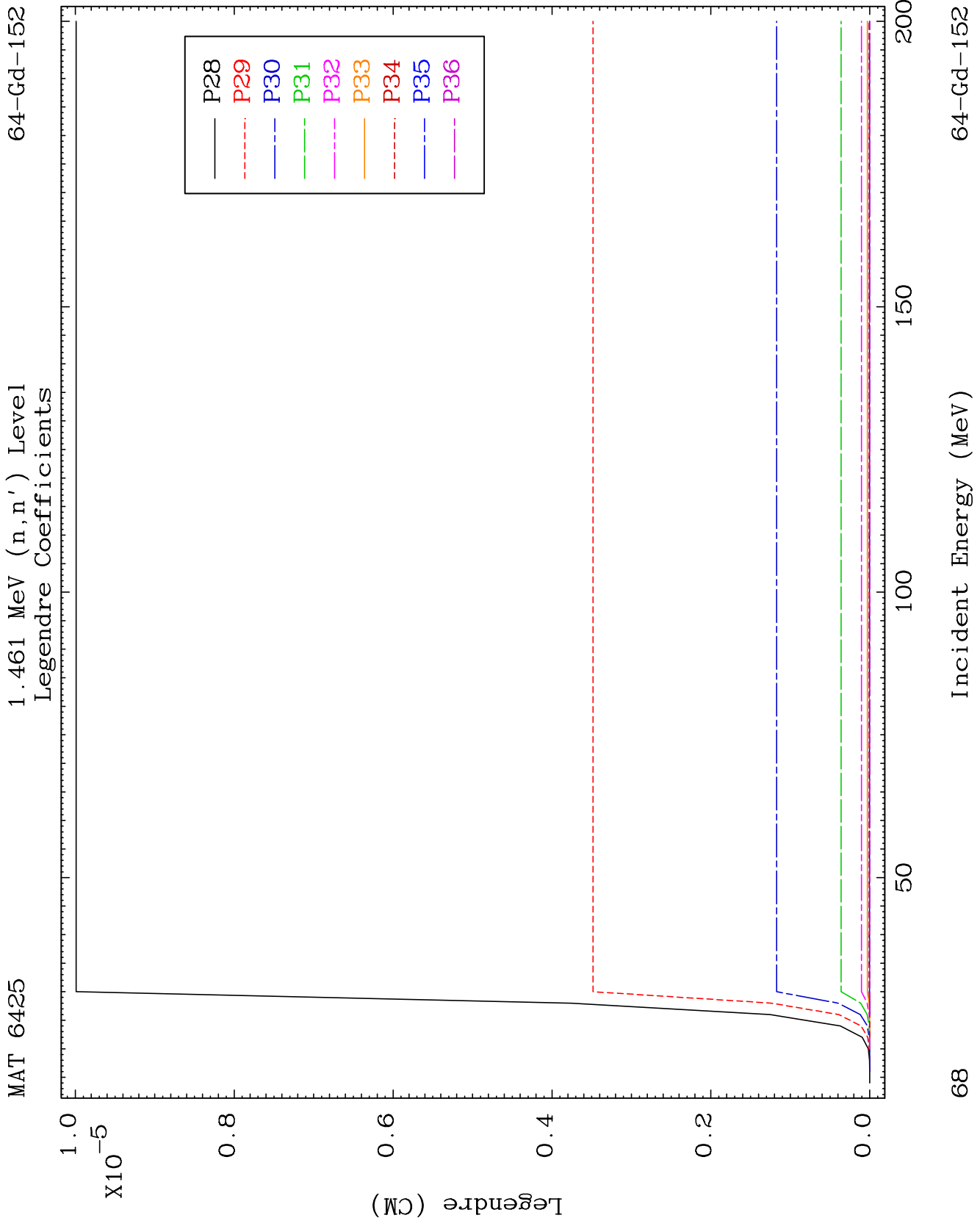
64-Gd-152



67

Incident Energy (MeV)

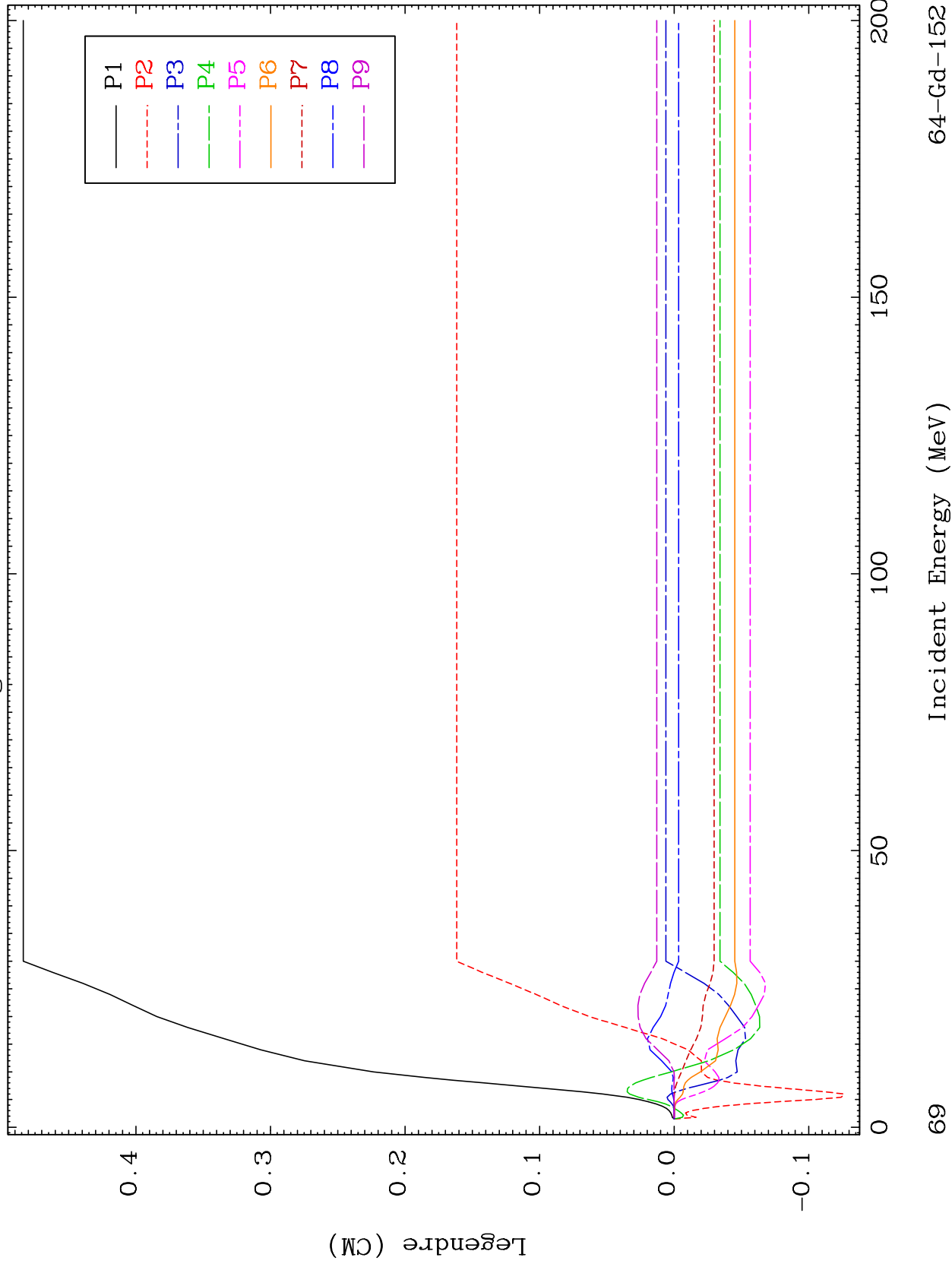
64-Gd-152



MAT 6425

1.470 MeV (n, n') Level  
Legendre Coefficients

64-Gd-152



64-Gd-152

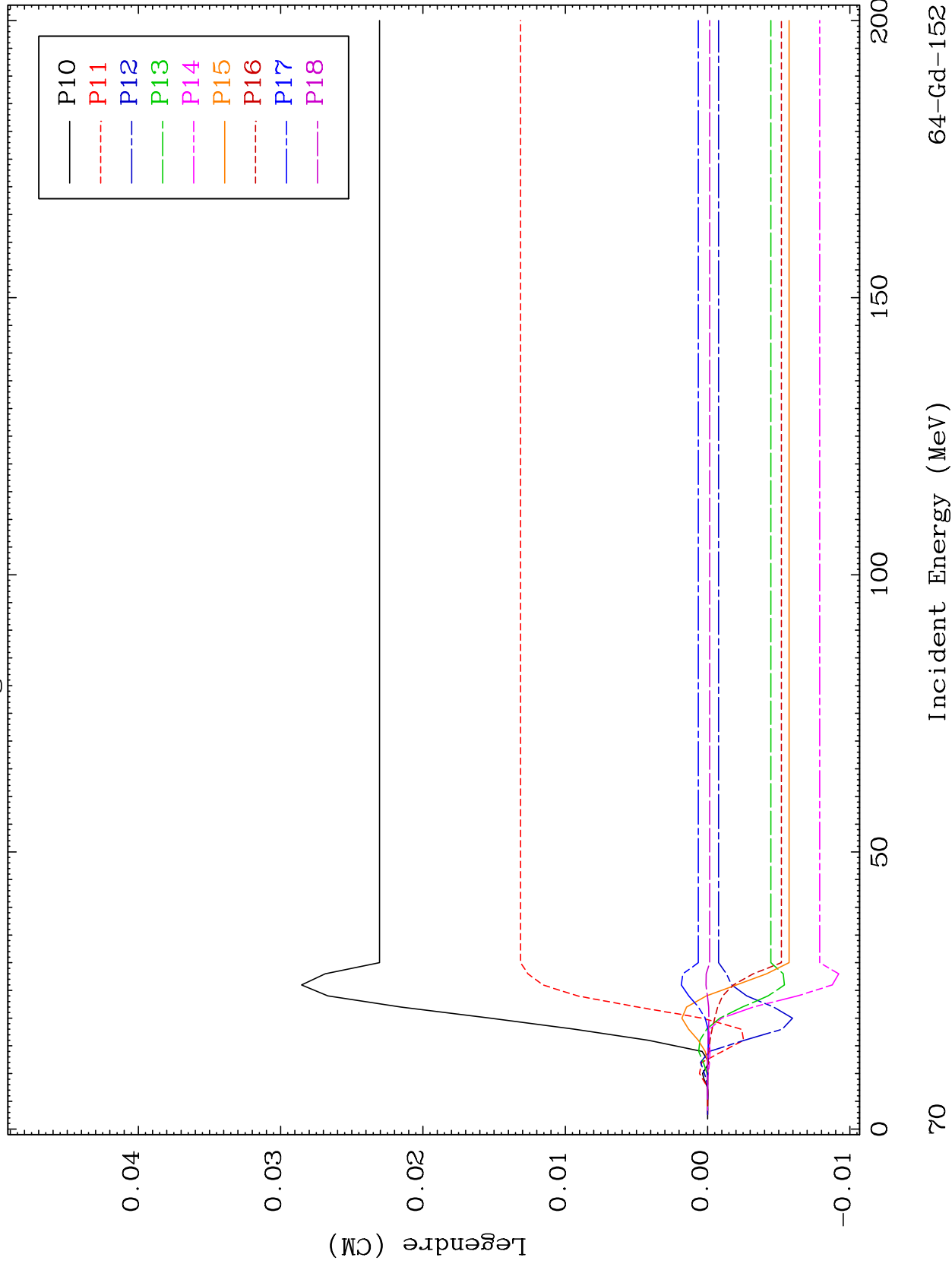
Incident Energy (MeV)

69

MAT 6425

1.470 MeV (n,n') Level  
Legendre Coefficients

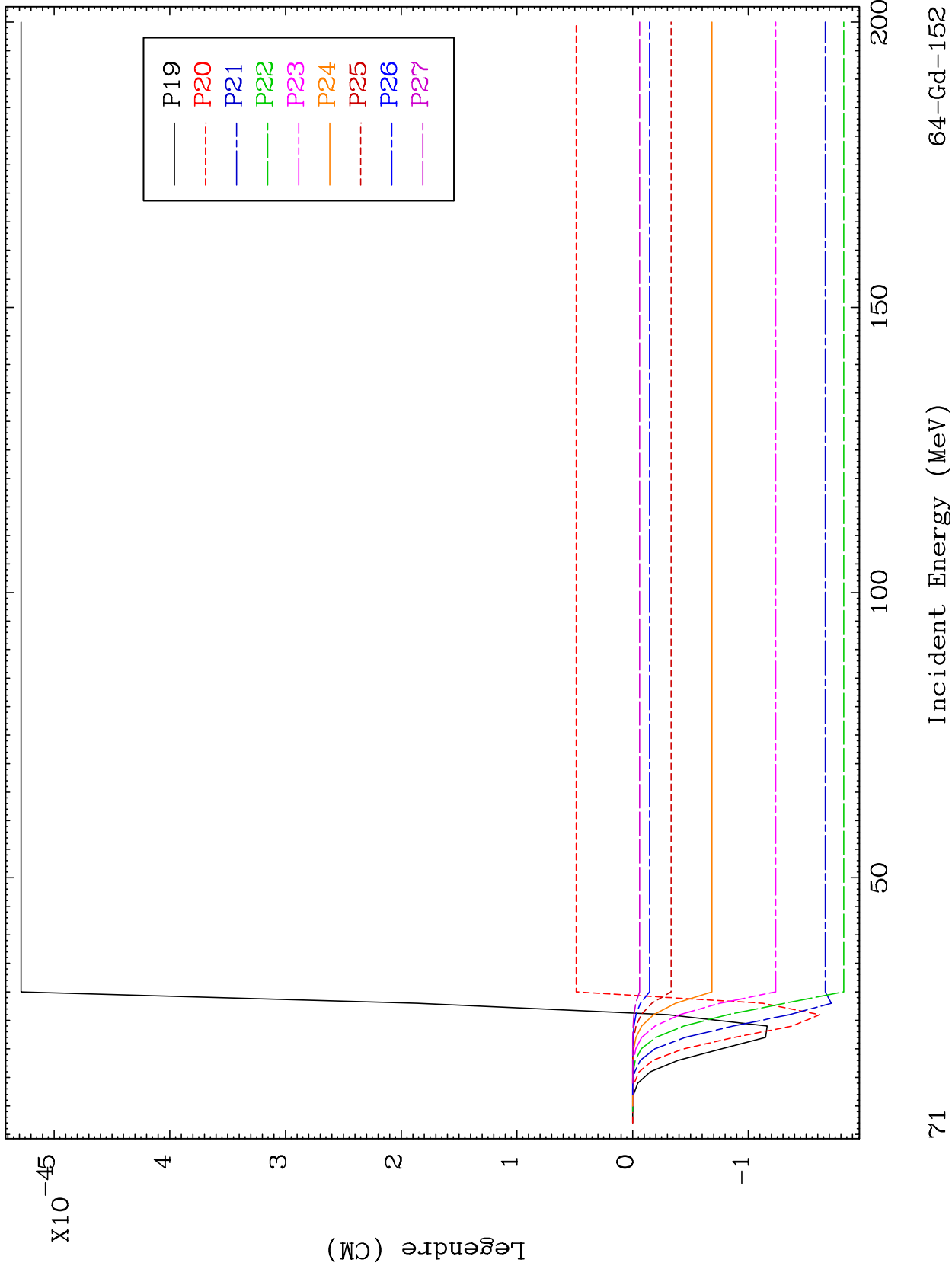
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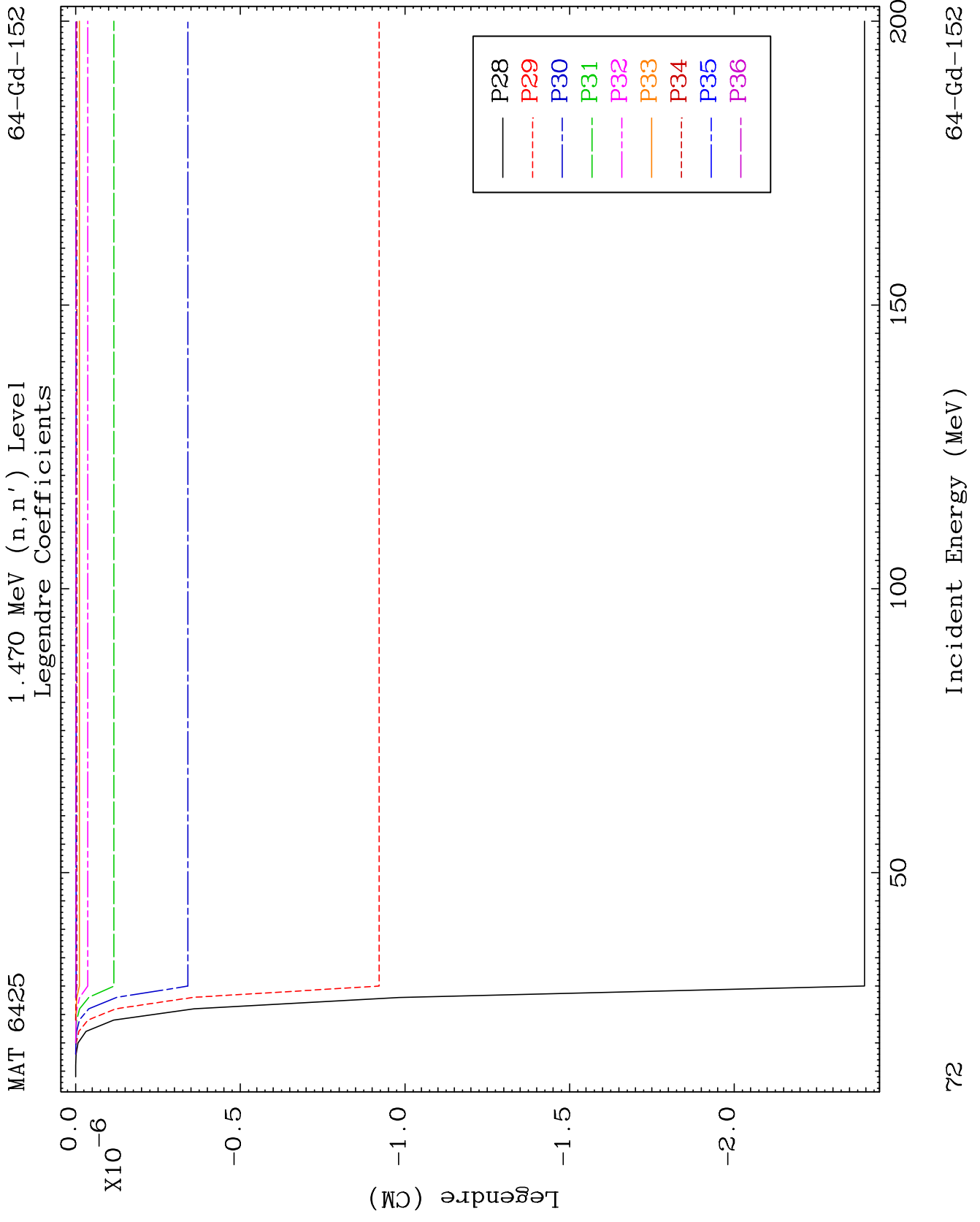
64-Gd-152

Incident Energy (MeV)

70



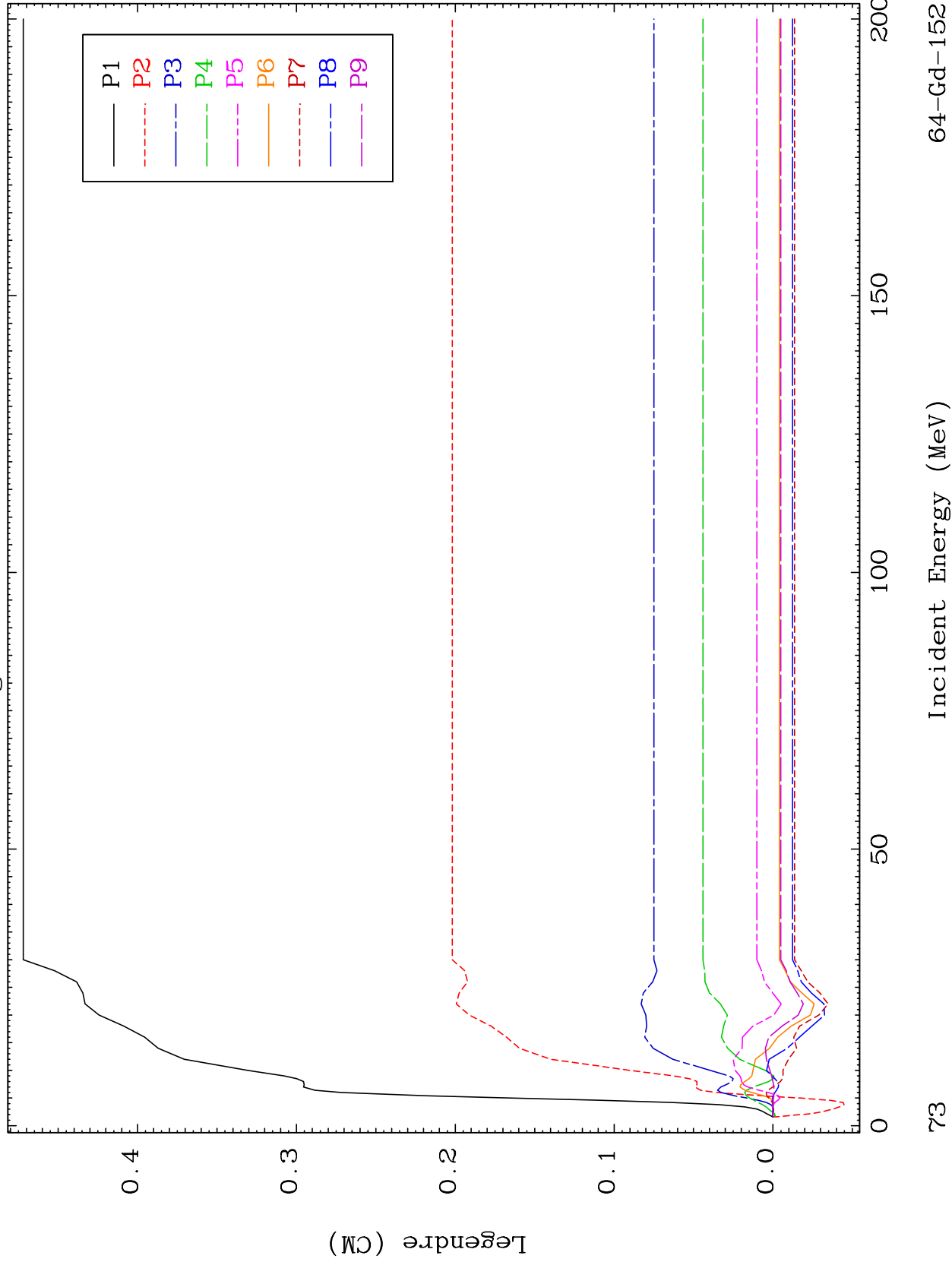




MAT 6425

1.550 MeV (n,n') Level  
Legendre Coefficients

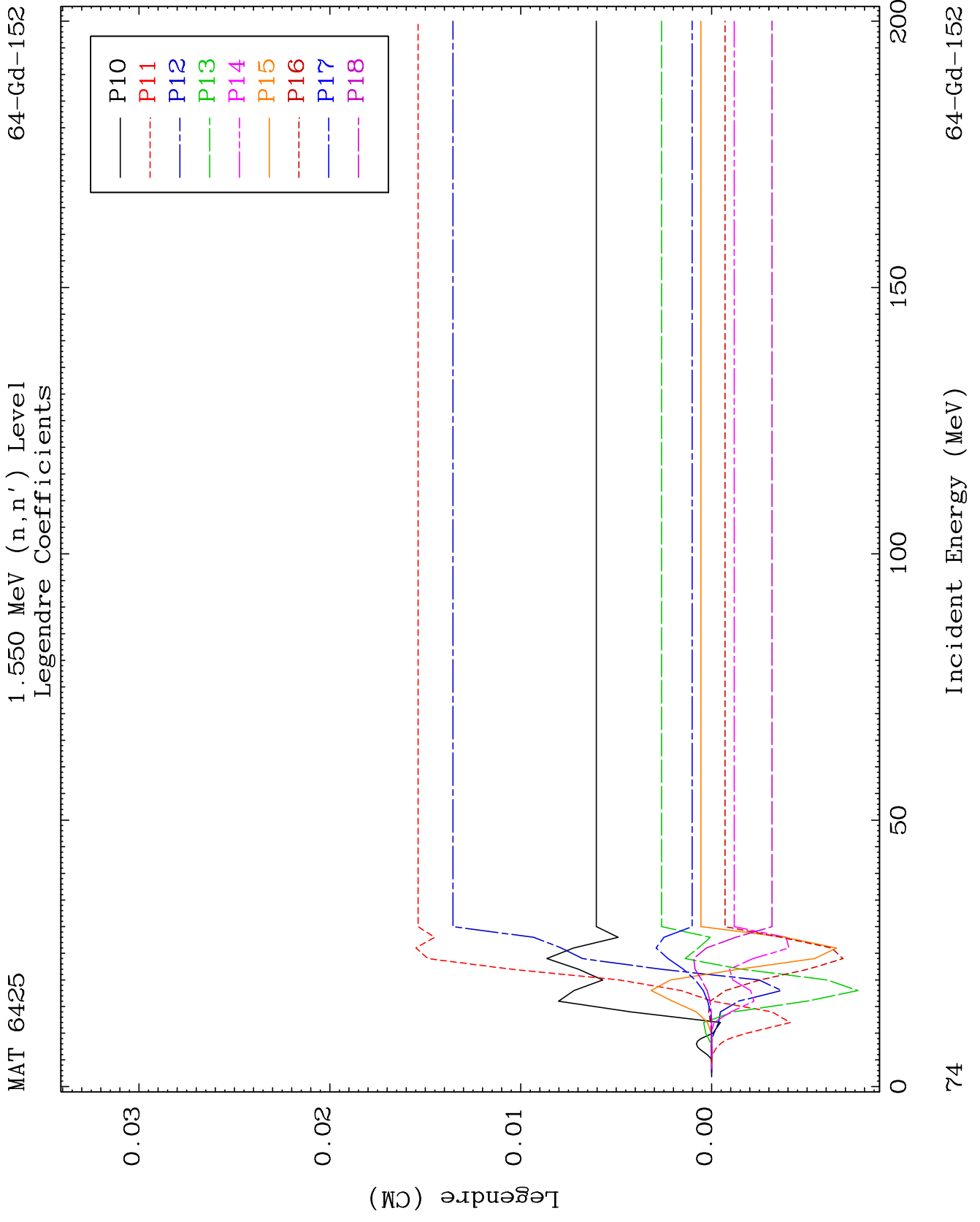
64-Gd-152



73

Incident Energy (MeV)

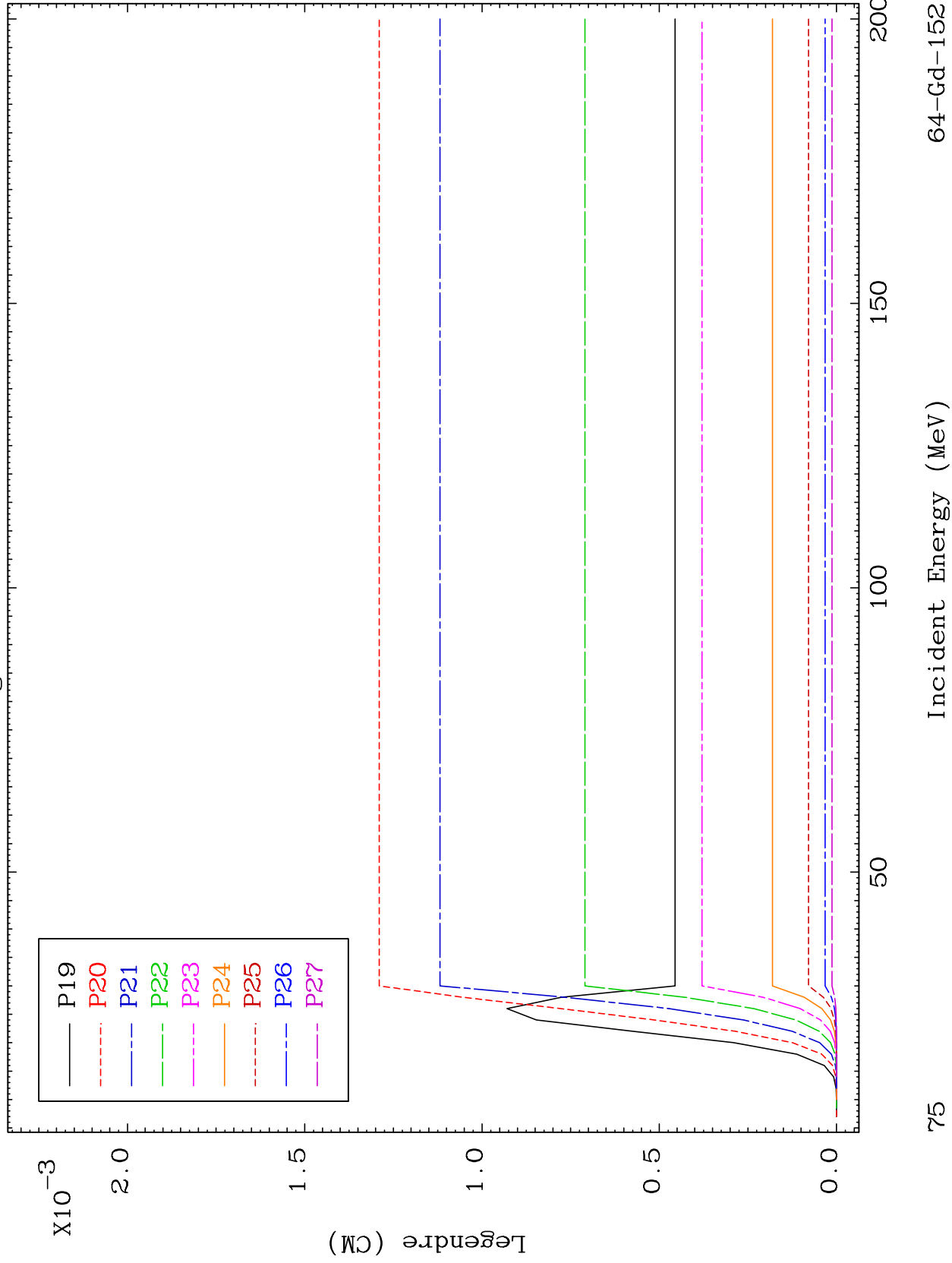
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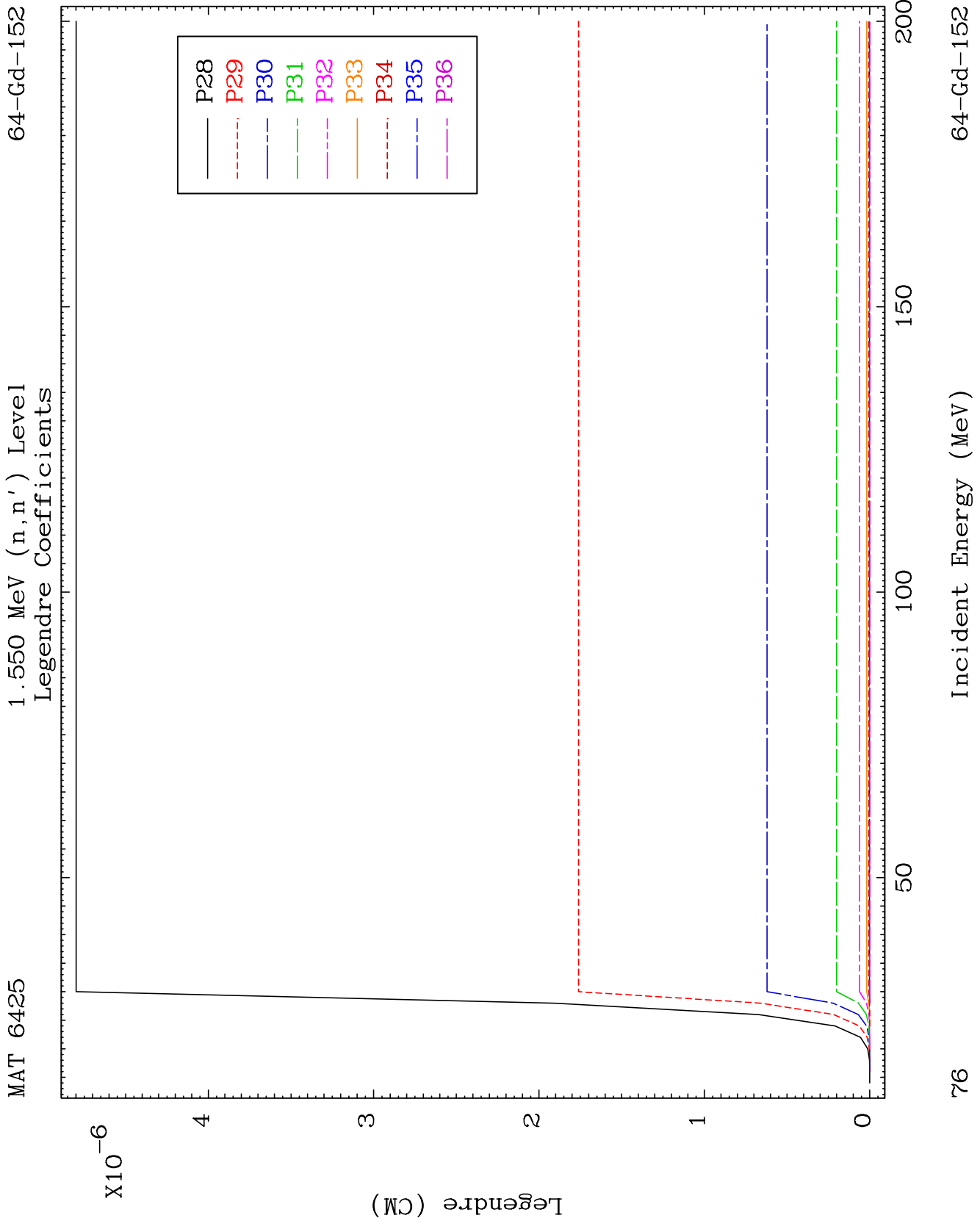


MAT 6425

1.550 MeV (n,n') Level  
Legendre Coefficients

64-Gd-152



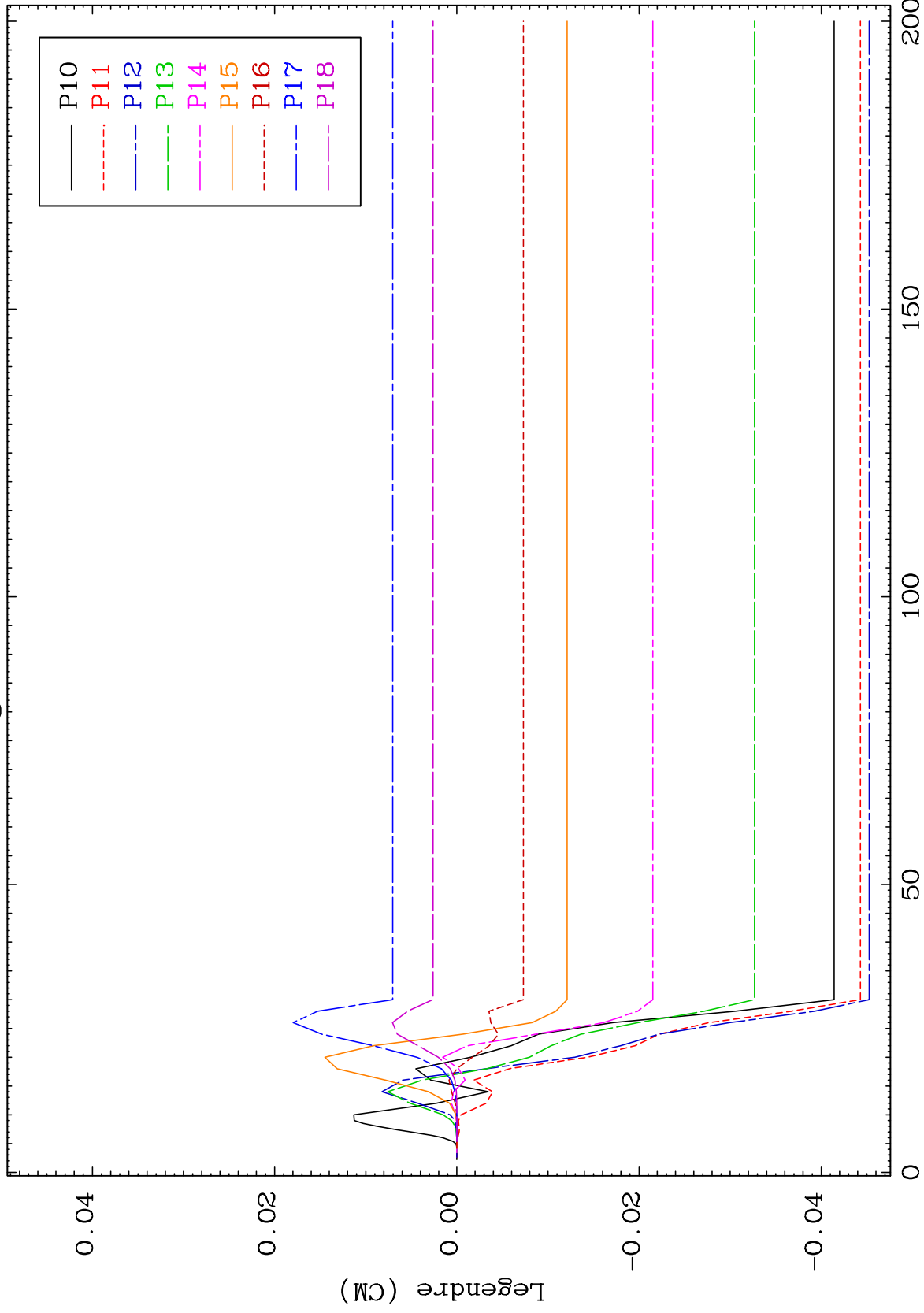




MAT 6425

1.606 MeV (n,n') Level  
Legendre Coefficients

64-Gd-152



78

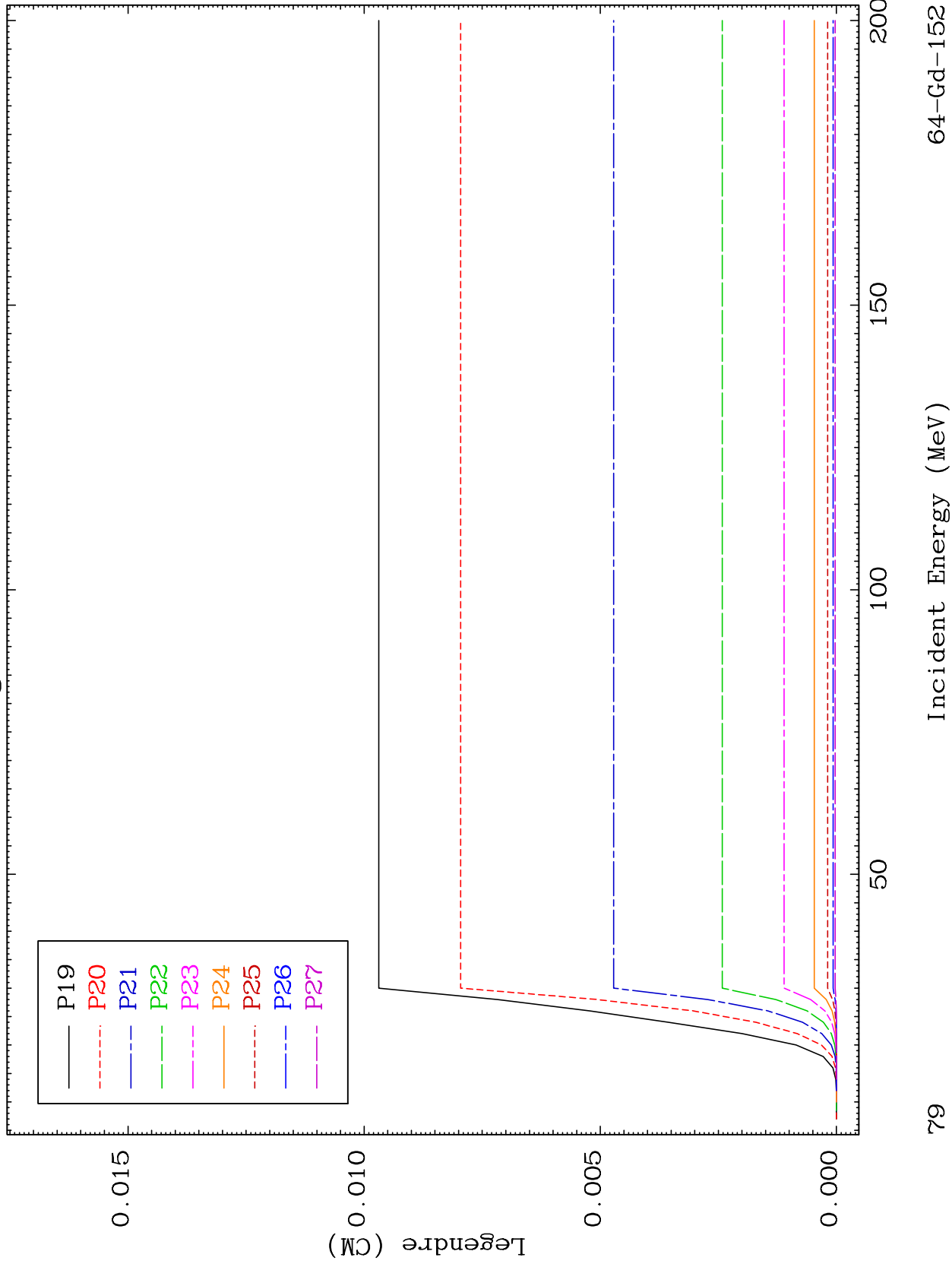
Incident Energy (MeV)

64-Gd-152

MAT 6425

1.606 MeV (n,n') Level  
Legendre Coefficients

64-Gd-152

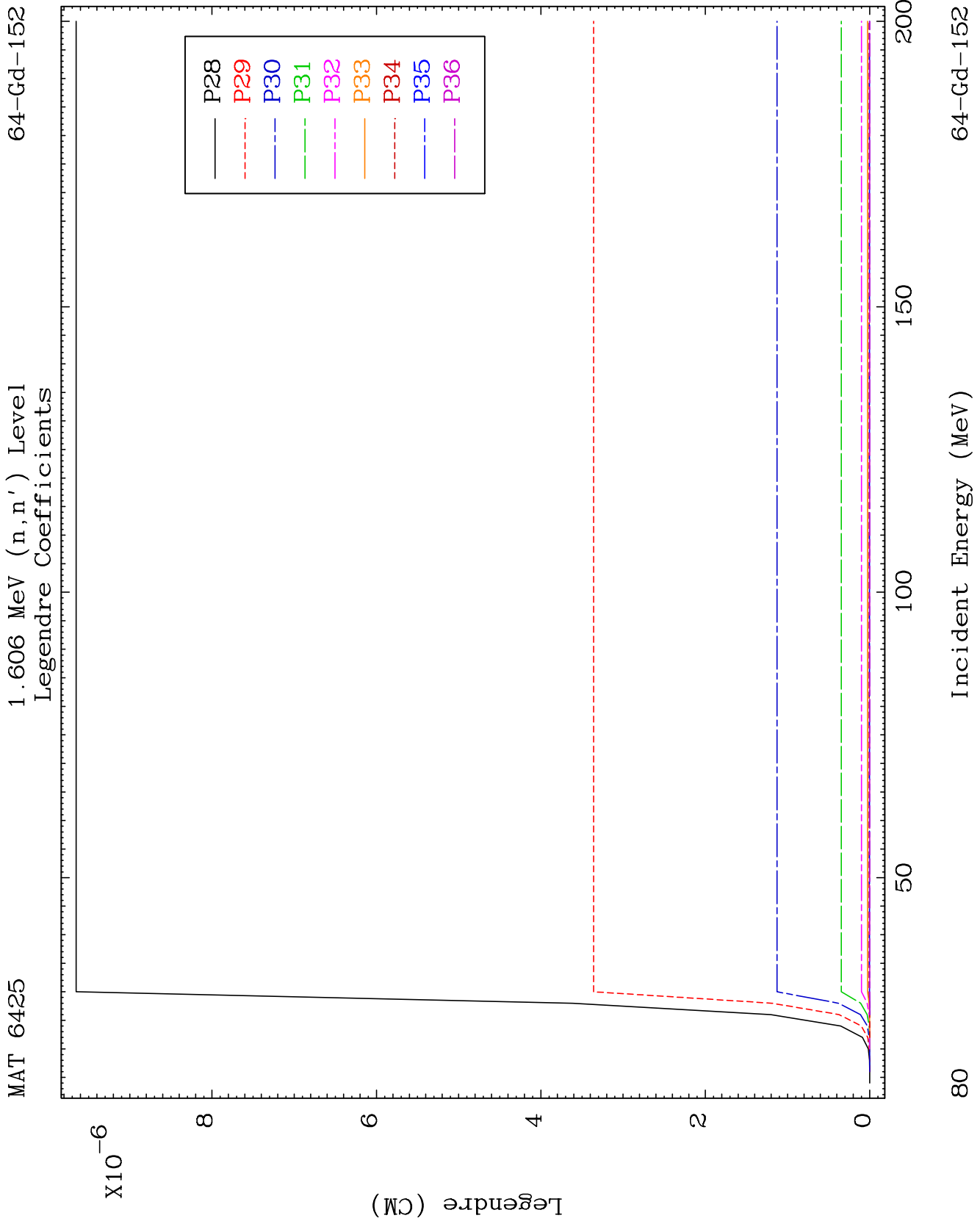


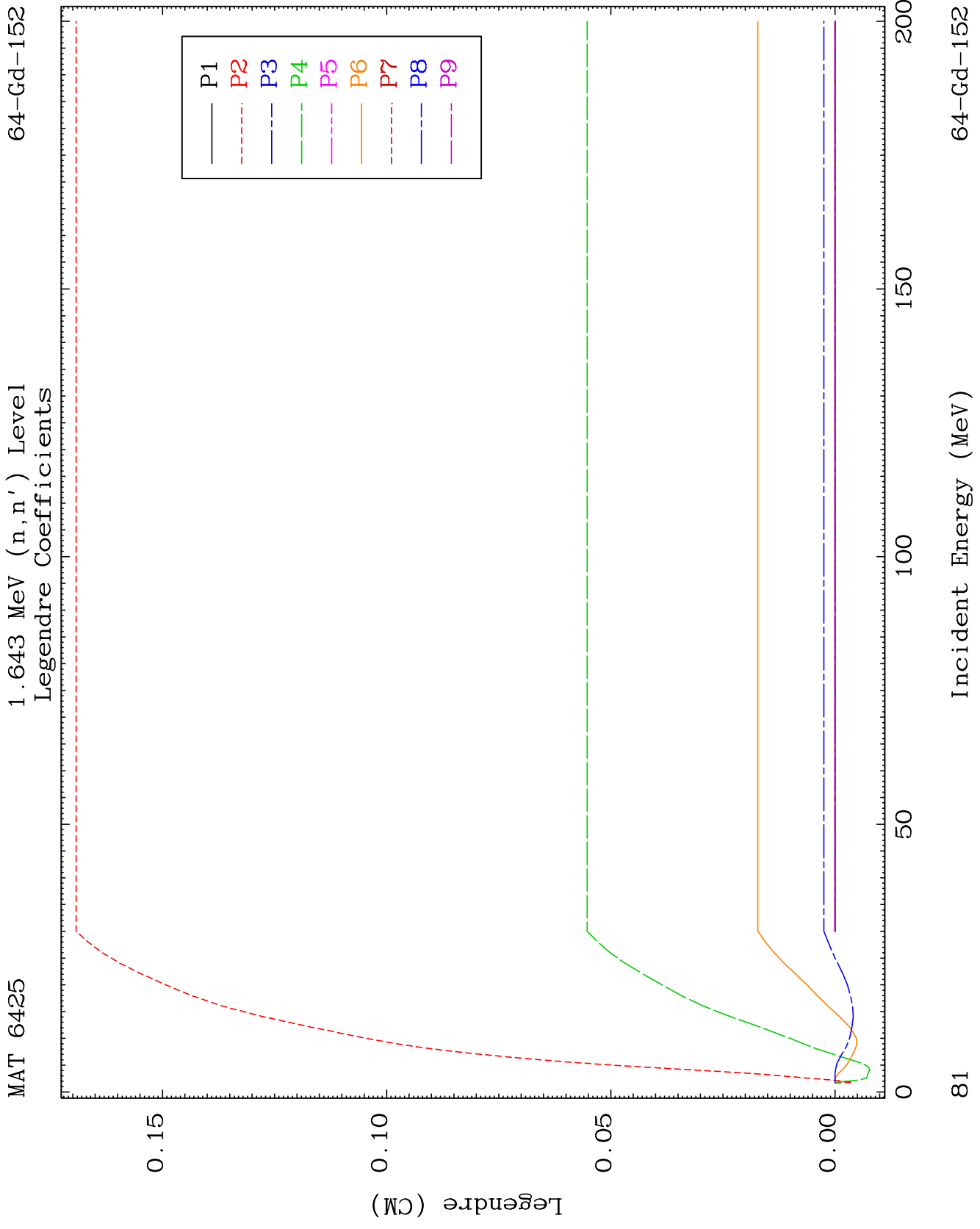
79

Incident Energy (MeV)

64-Gd-152



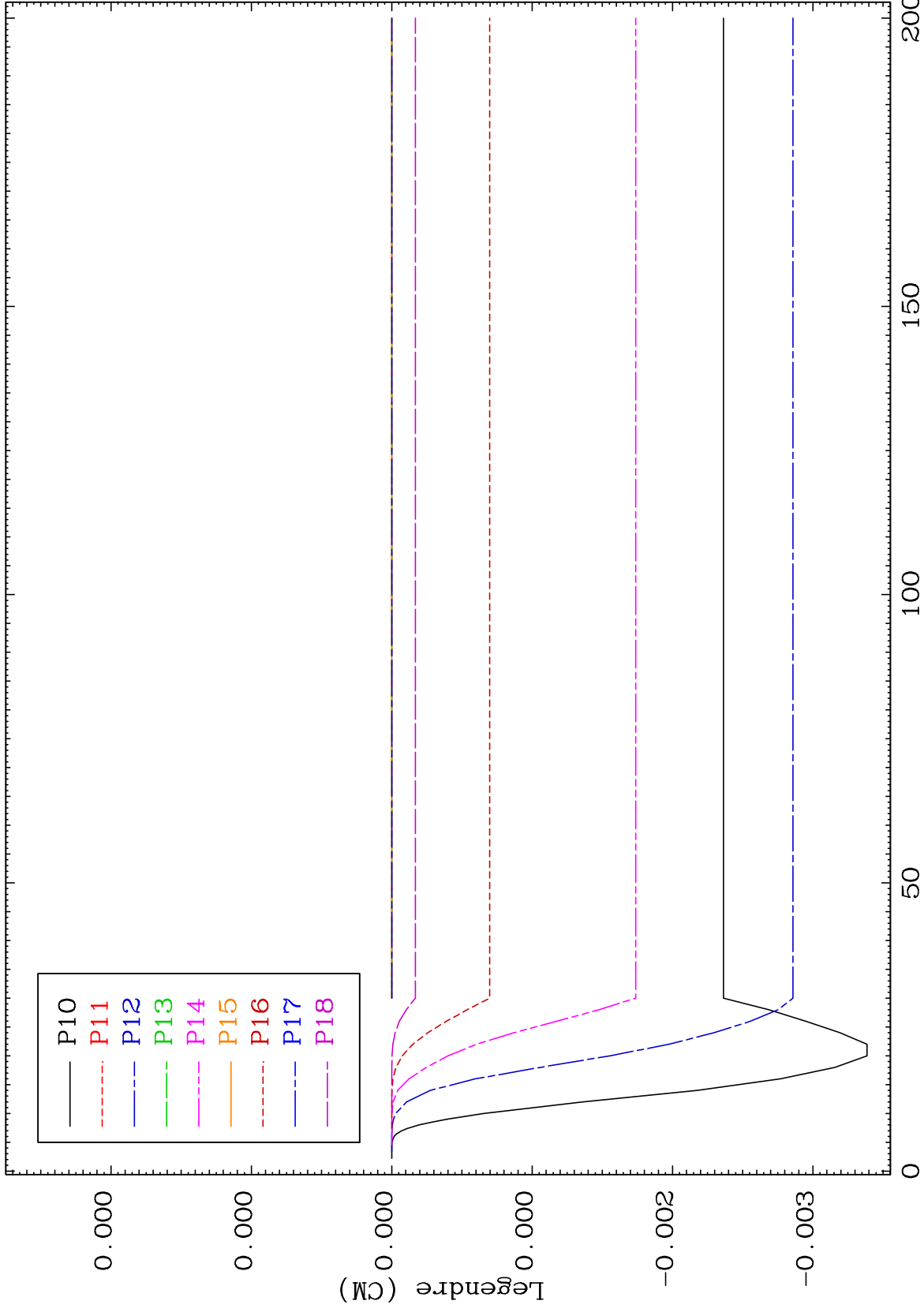




MAT 6425

1.643 MeV (n, n') Level  
Legendre Coefficients

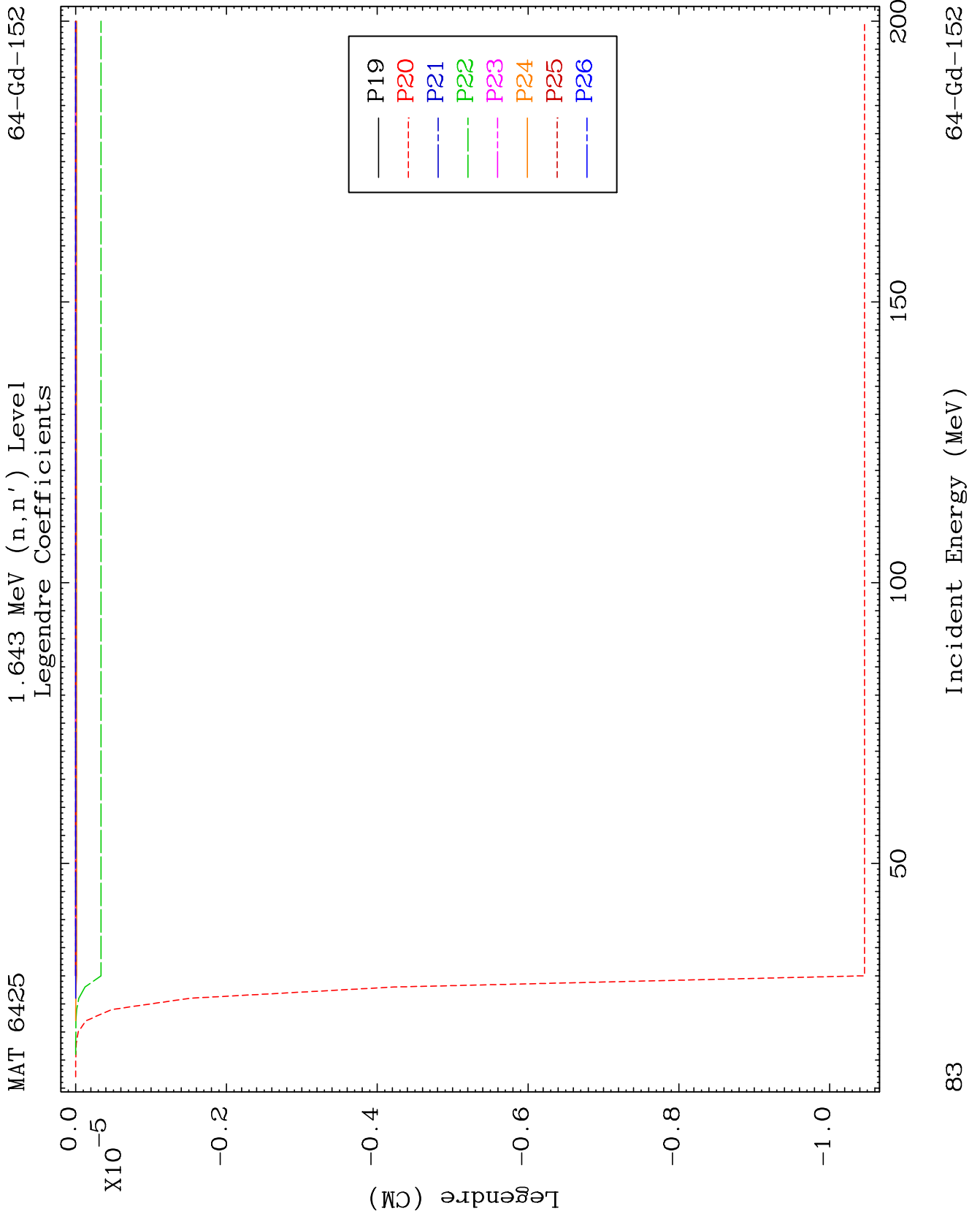
64-Gd-152



82

Incident Energy (MeV)

64-Gd-152

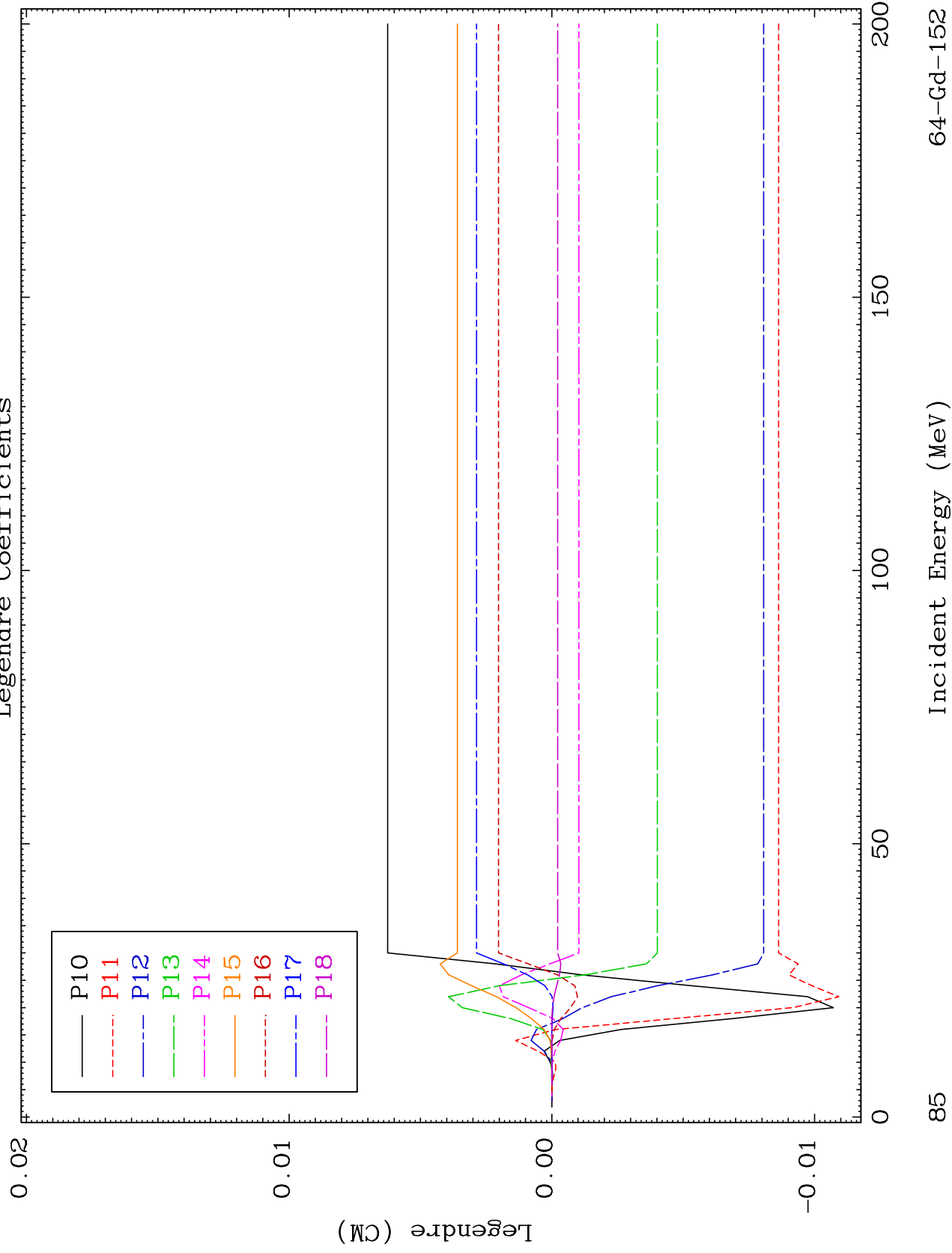




MAT 6425

1.668 MeV (n,n') Level  
Legendre Coefficients

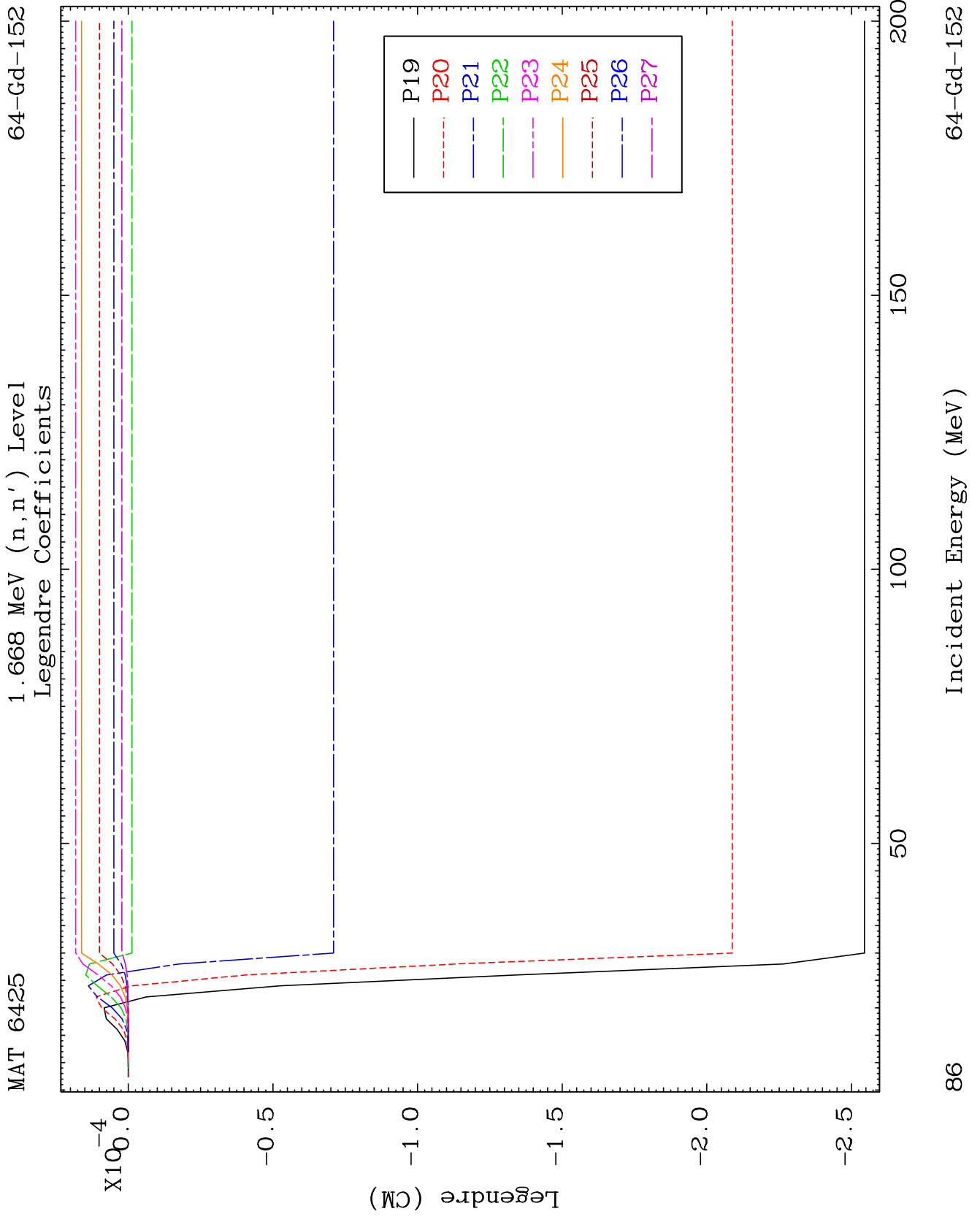
64-Gd-152



64-Gd-152

Incident Energy (MeV)

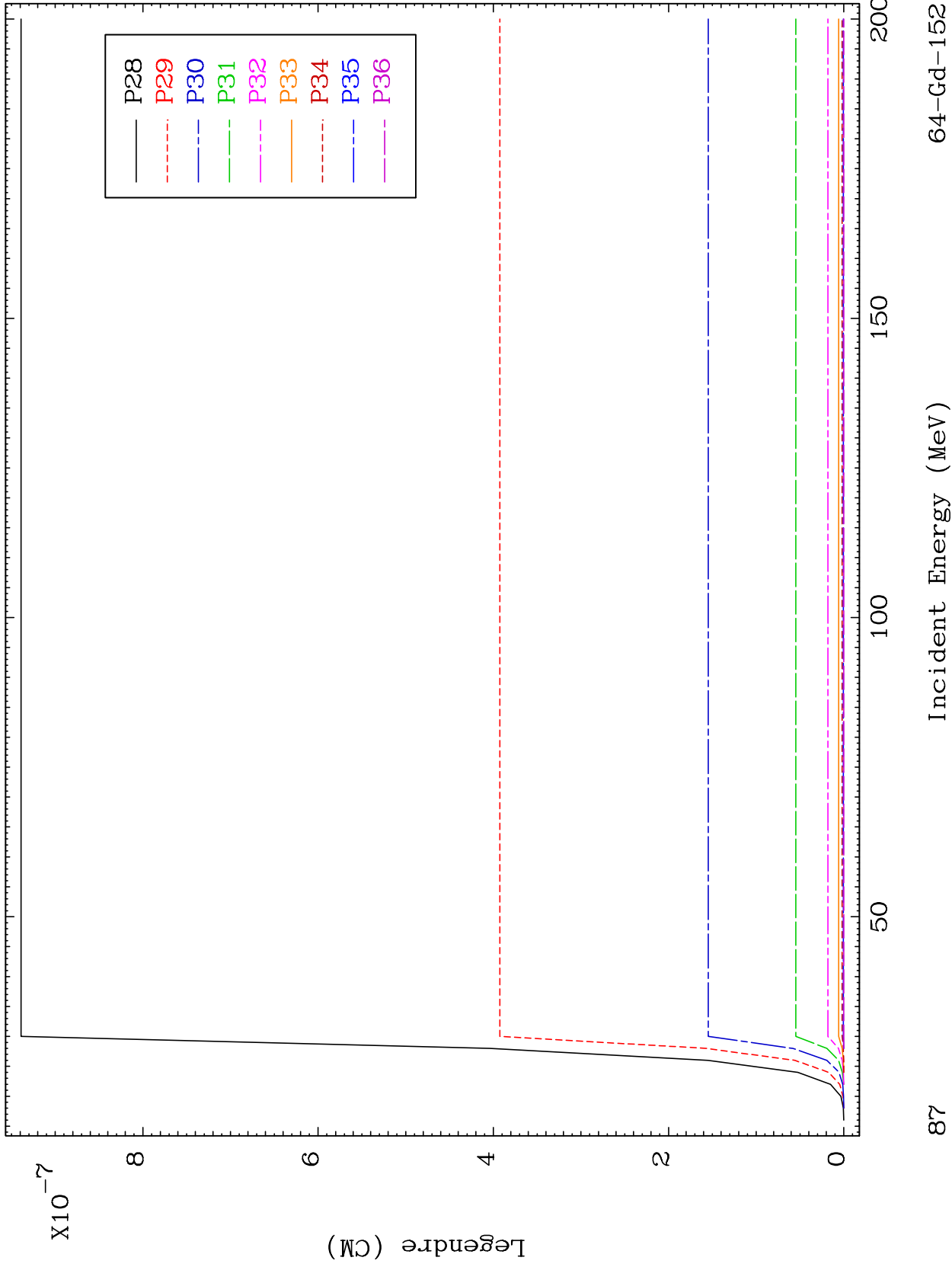
85



MAT 6425

1.668 MeV (n,n') Level  
Legendre Coefficients

64-Gd-152

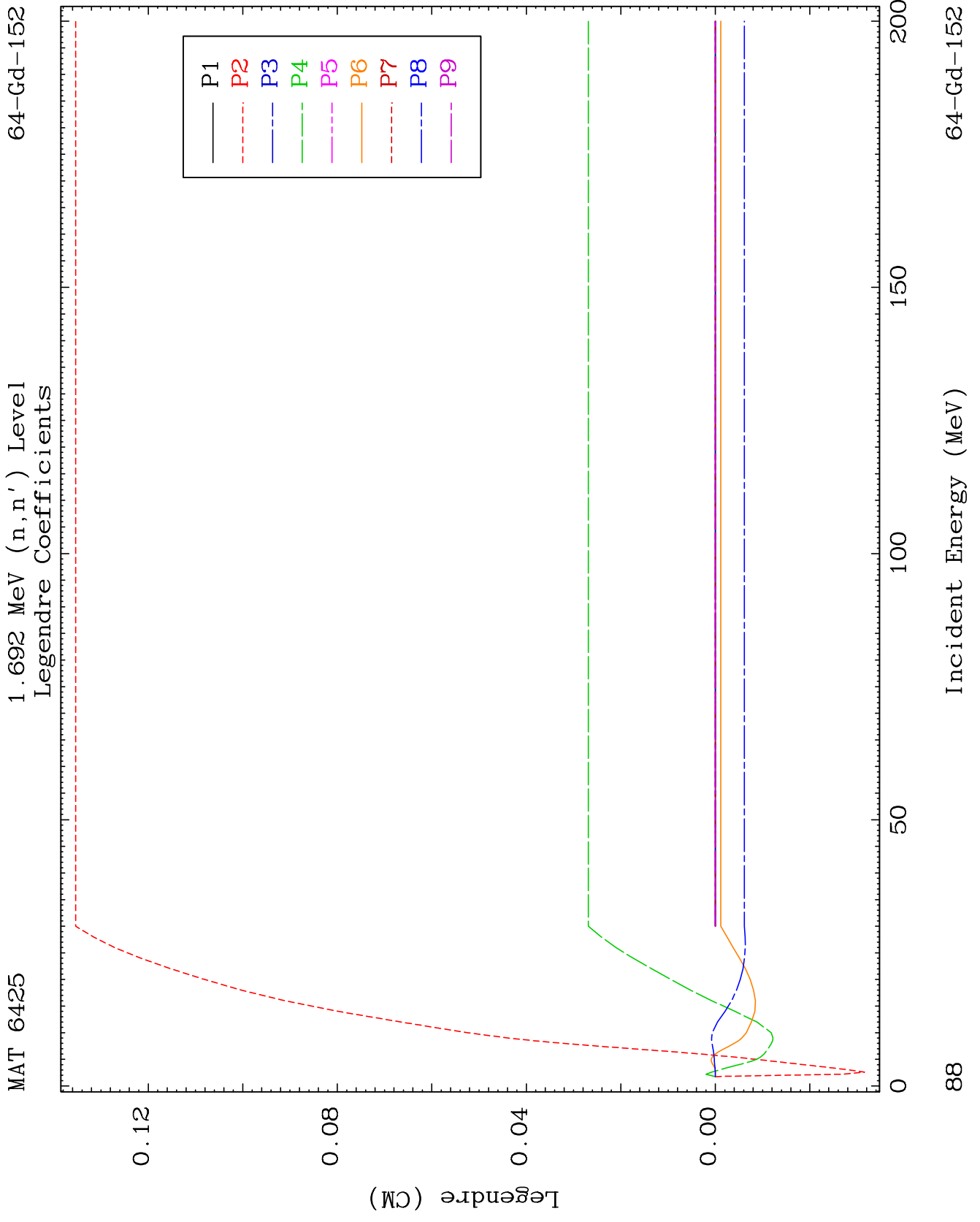


87

Incident Energy (MeV)

64-Gd-152

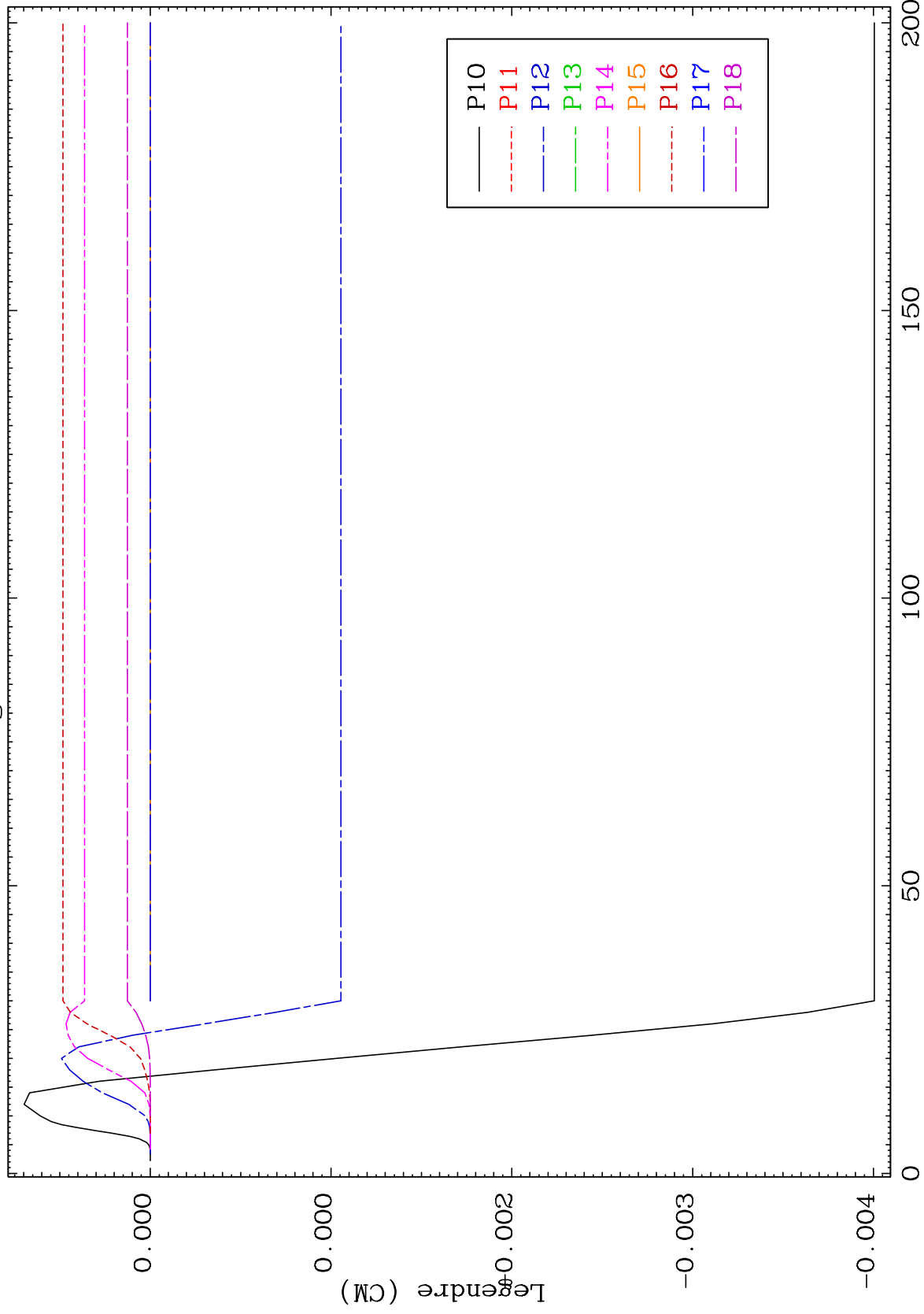




MAT 6425

1.692 MeV (n,n') Level  
Legendre Coefficients

64-Gd-152



89

Incident Energy (MeV)

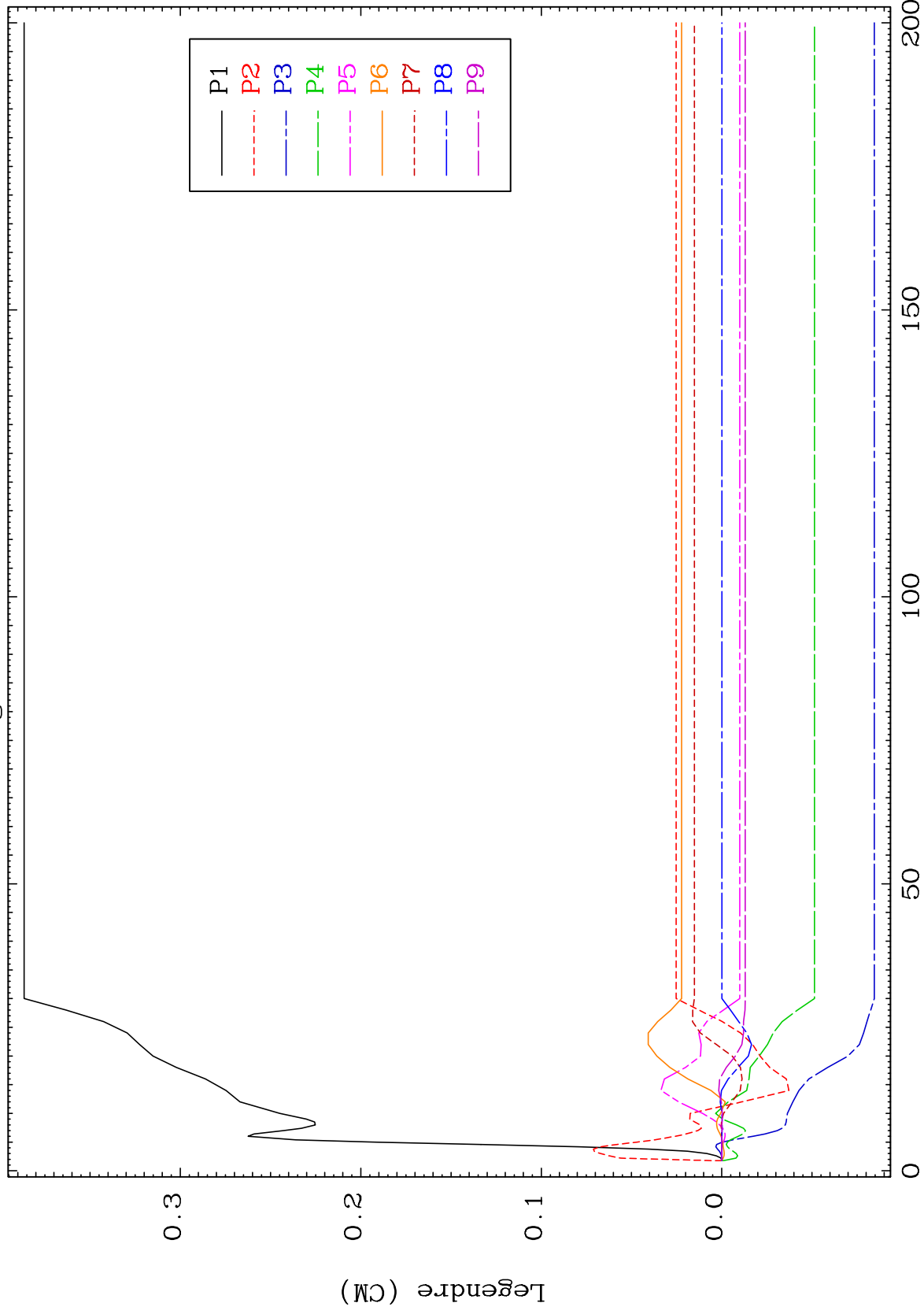
64-Gd-152



MAT 6425

1.747 MeV (n,n') Level  
Legendre Coefficients

64-Gd-152



91

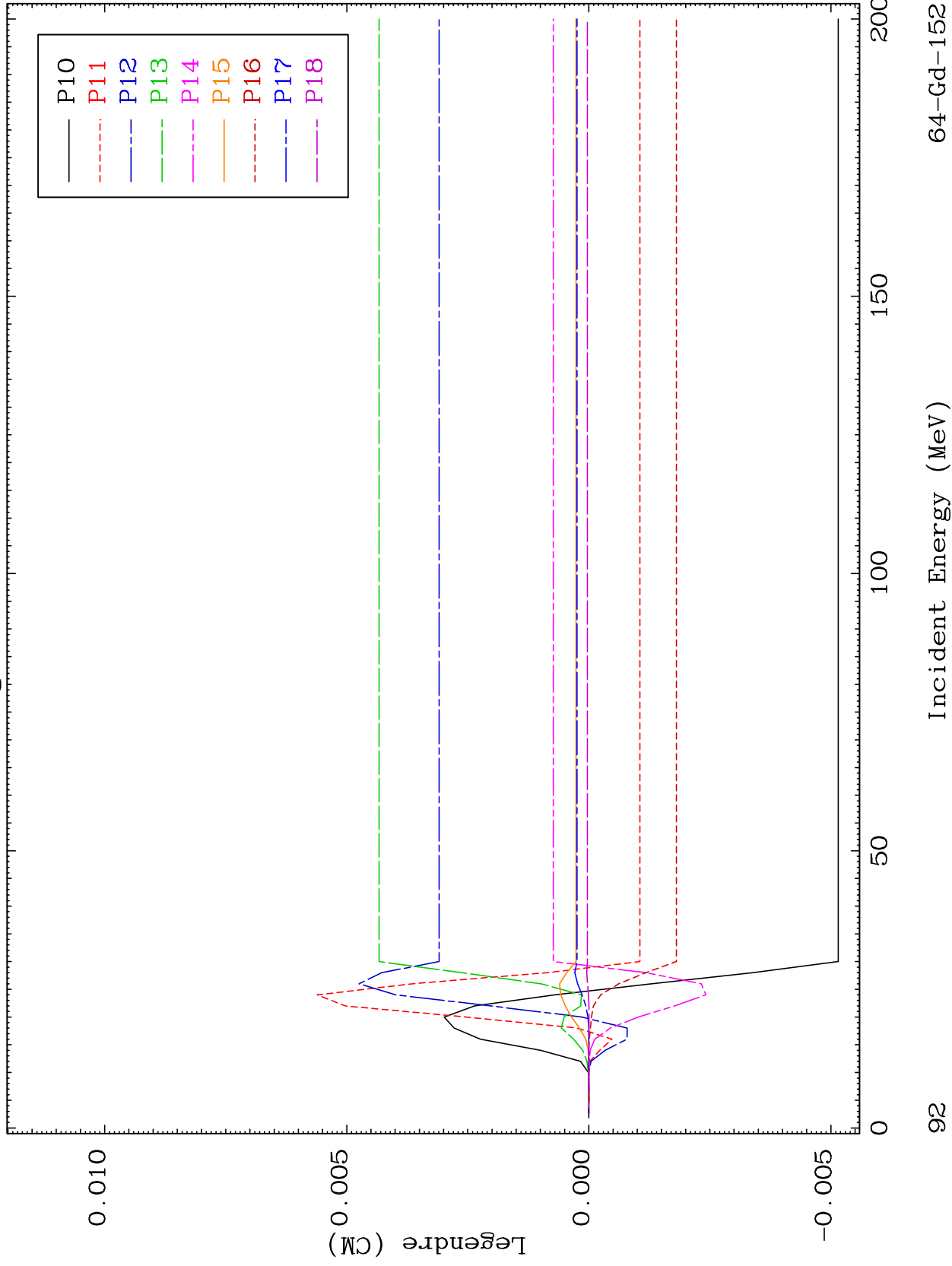
Incident Energy (MeV)

64-Gd-152

MAT 6425

1.747 MeV (n,n') Level  
Legendre Coefficients

64-Gd-152



92

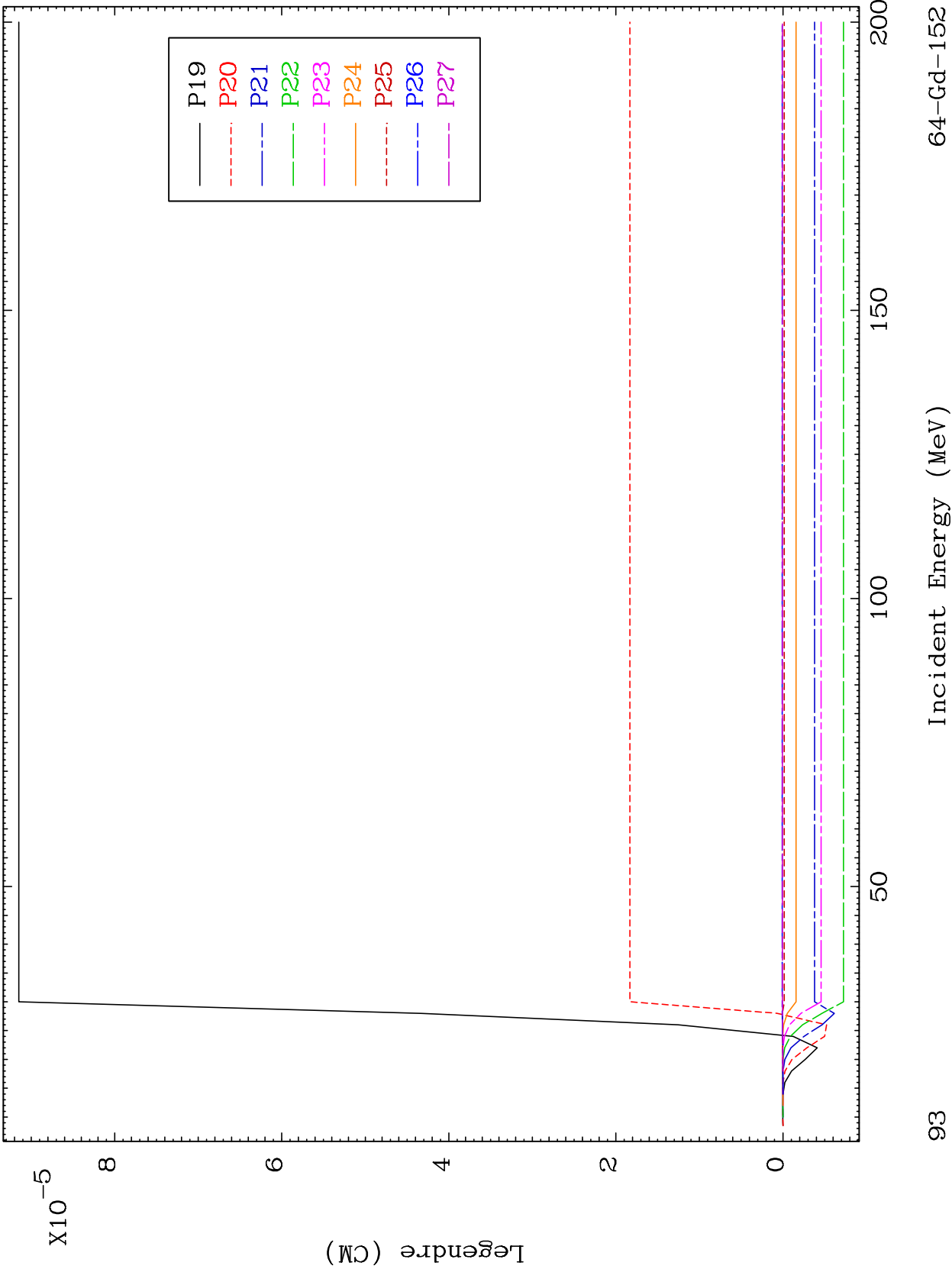
Incident Energy (MeV)

64-Gd-152

MAT 6425

1.747 MeV (n,n') Level  
Legendre Coefficients

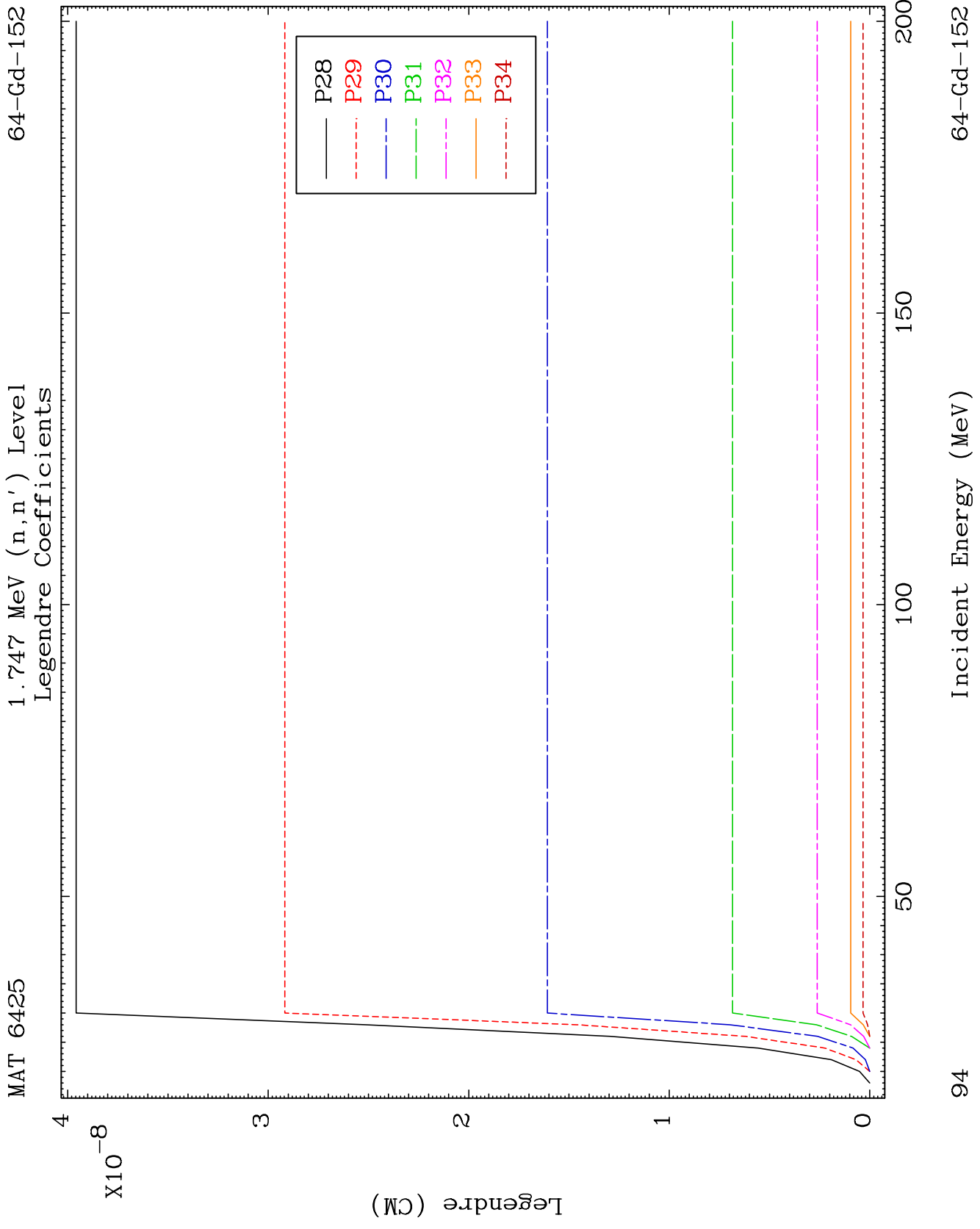
64-Gd-152



93

Incident Energy (MeV)

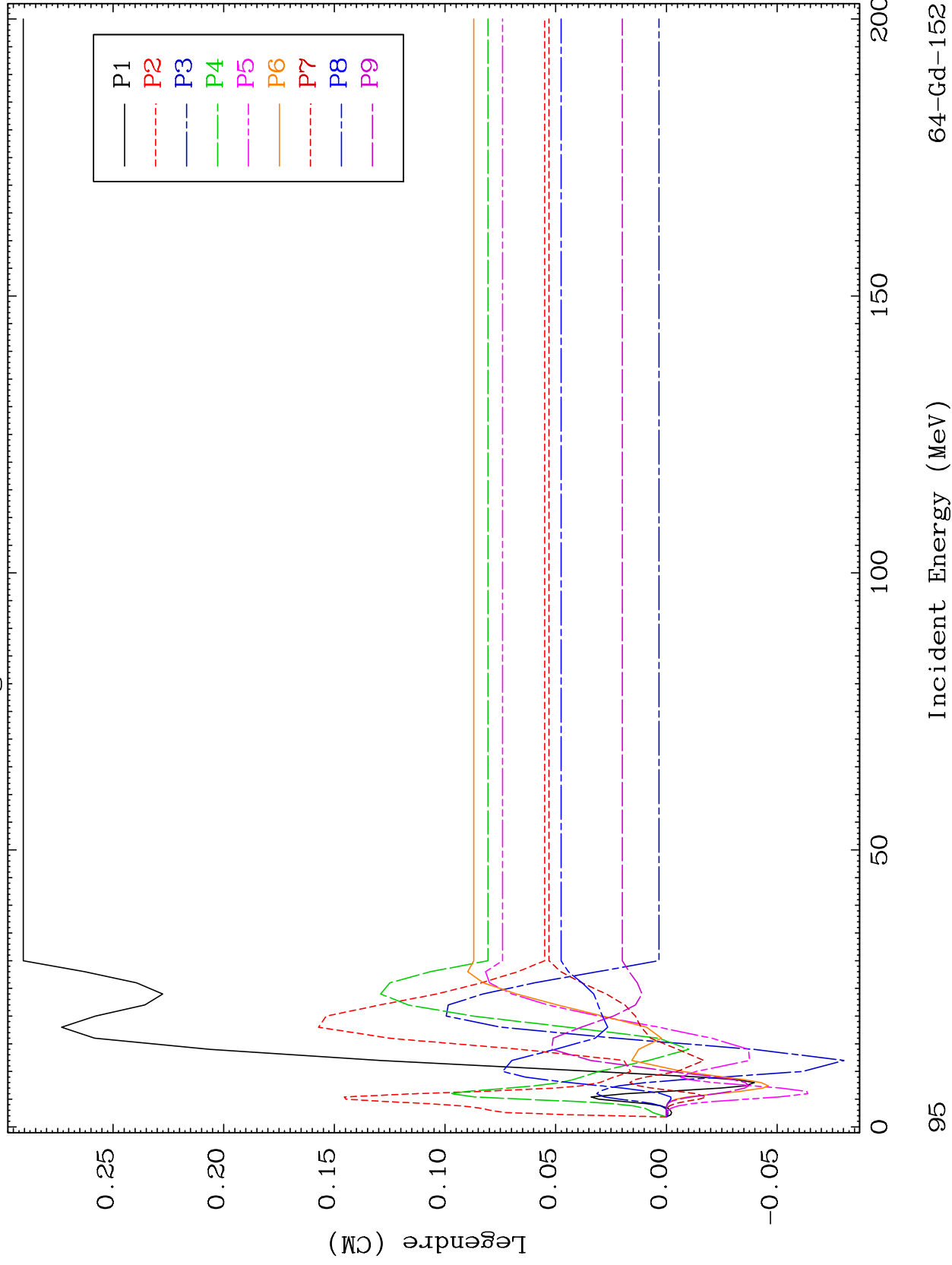
64-Gd-152



MAT 6425

1.756 MeV (n,n') Level  
Legendre Coefficients

64-Gd-152

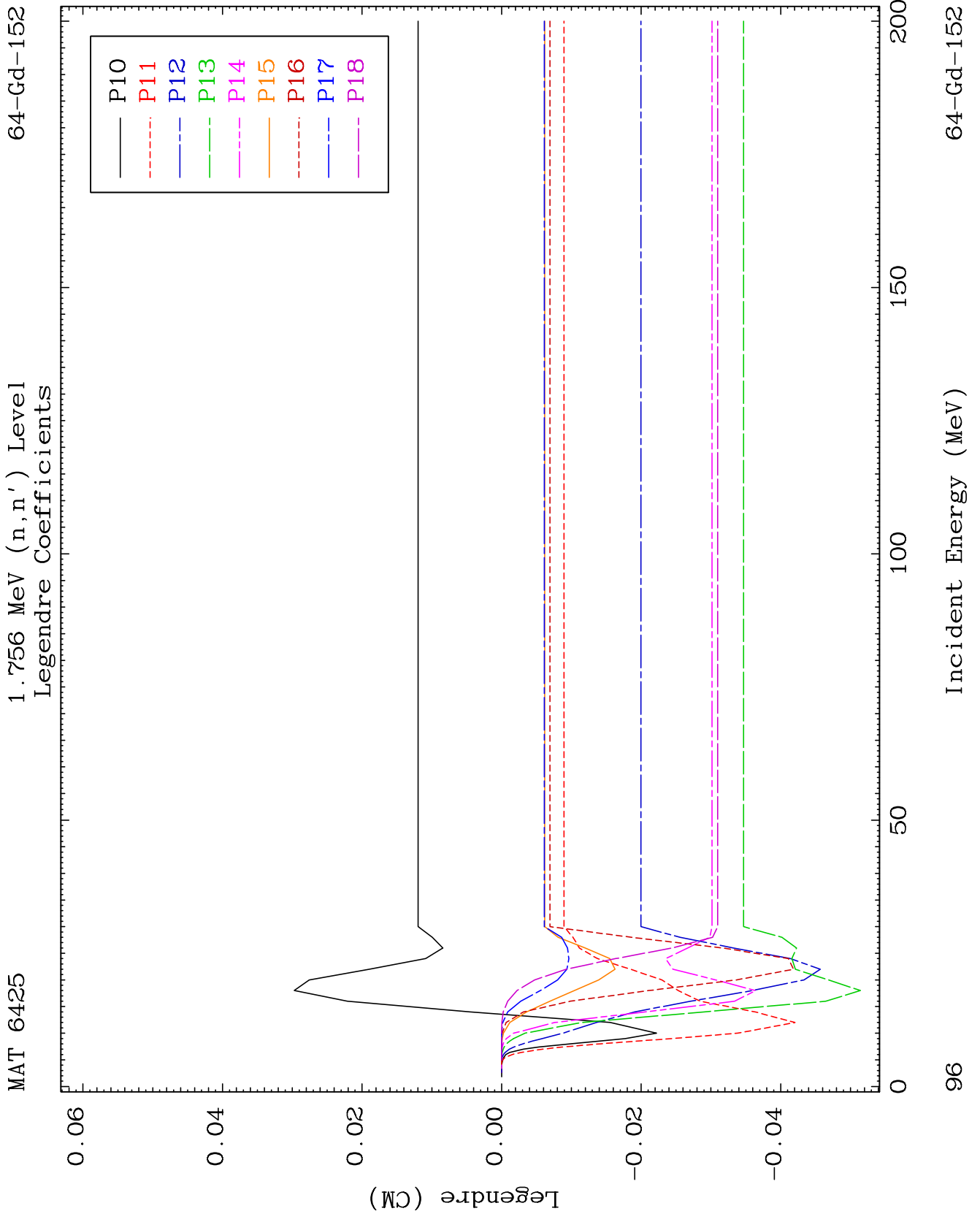


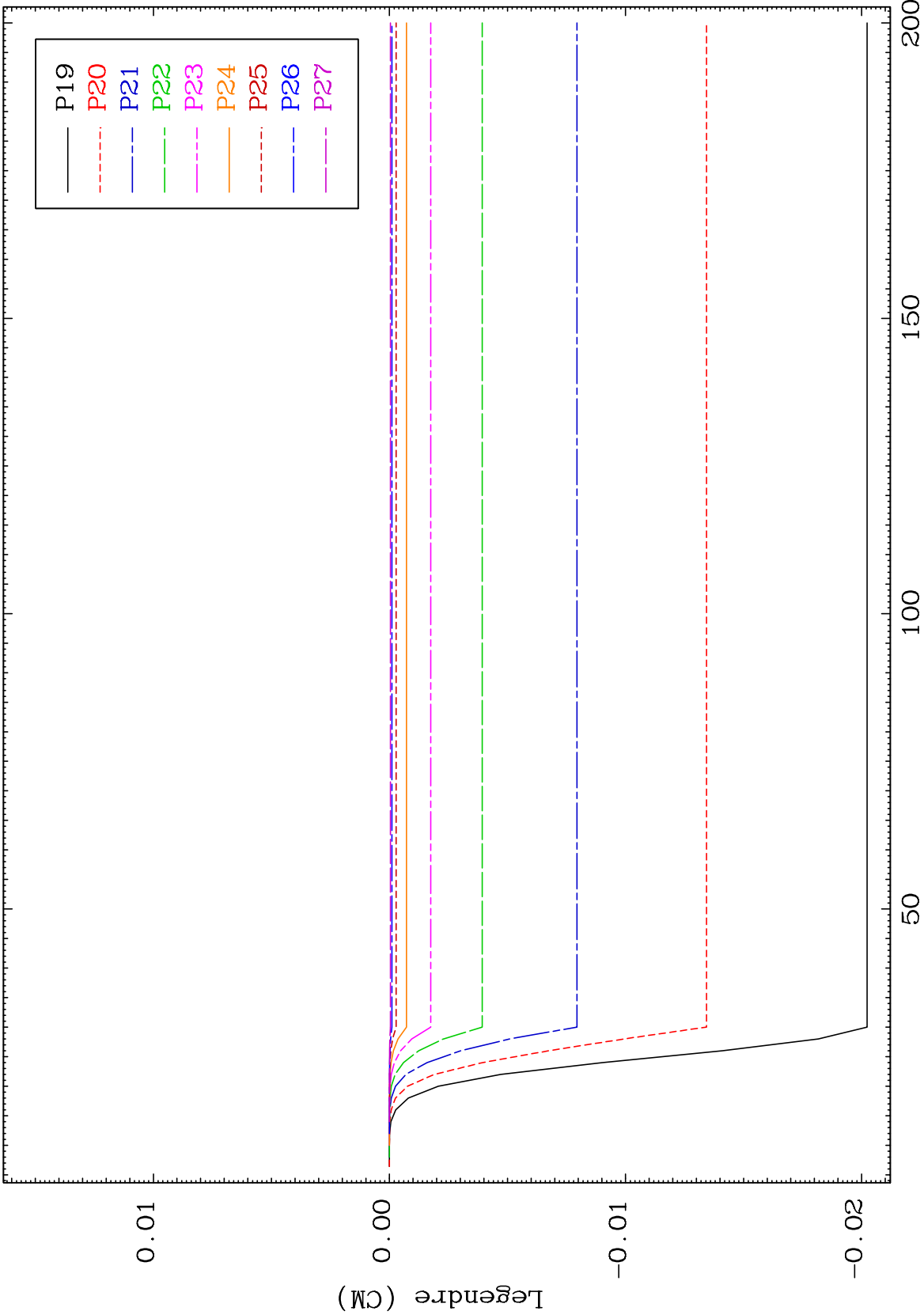
64-Gd-152

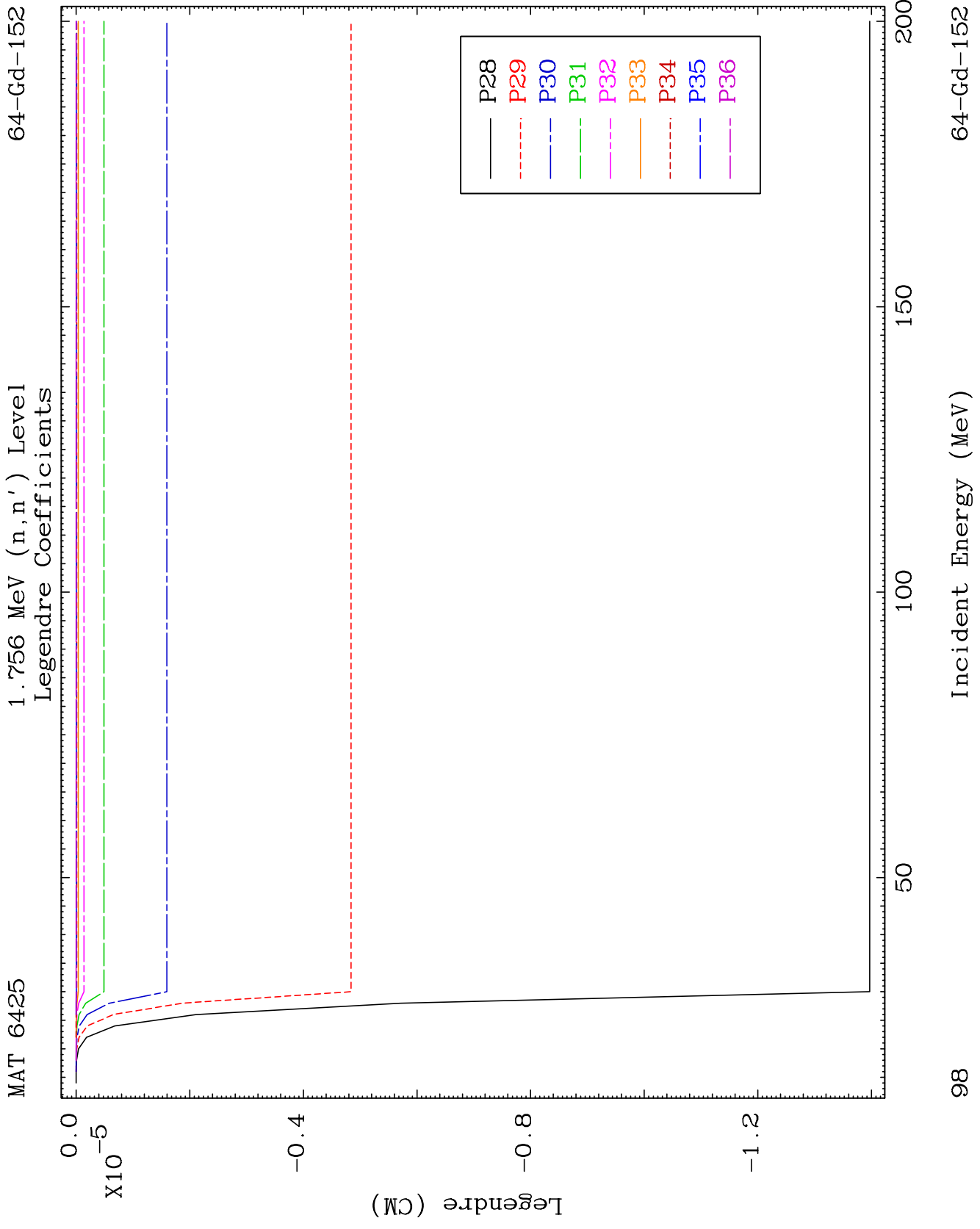
Incident Energy (MeV)

95





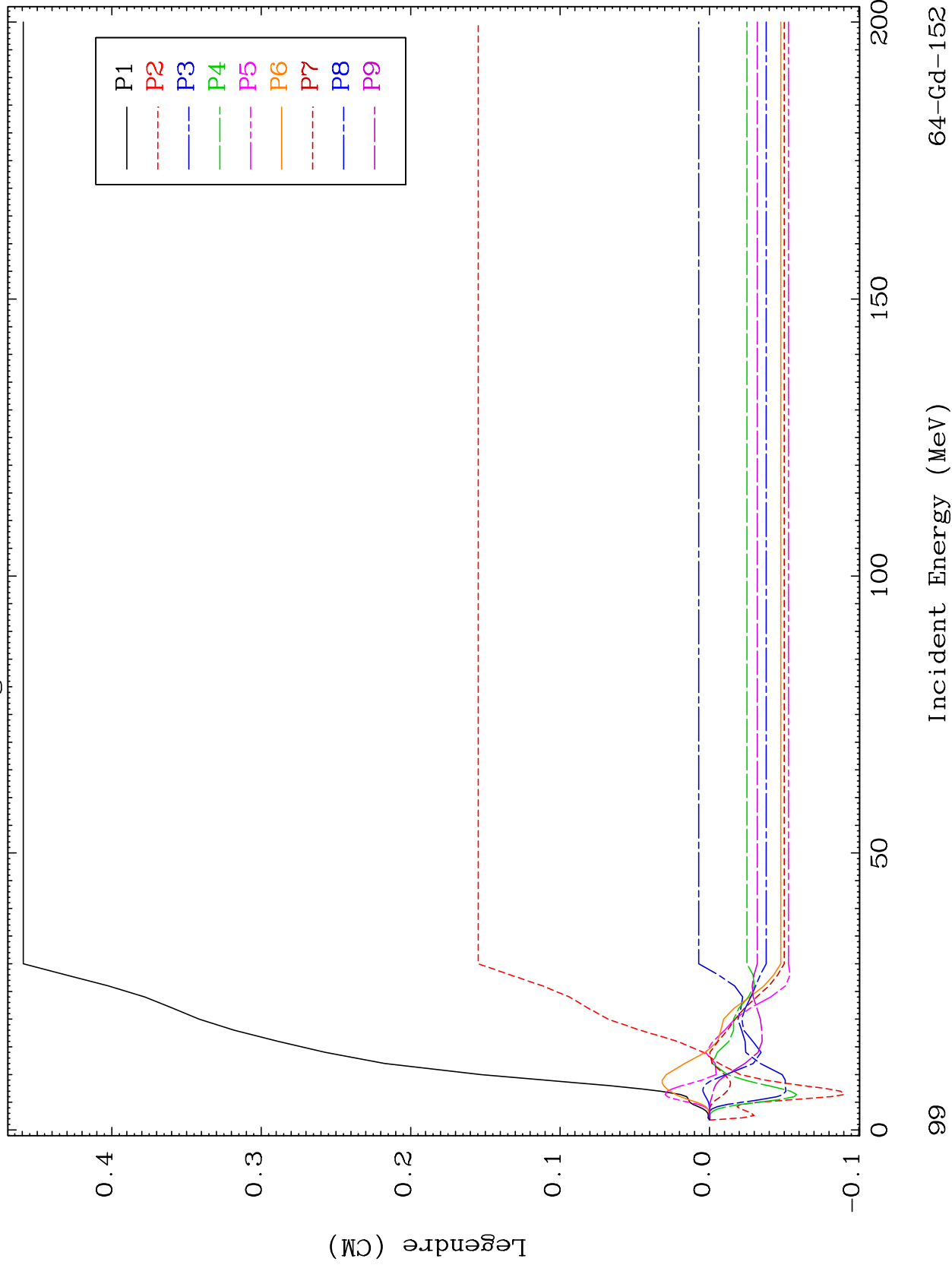




MAT 6425

1.772 MeV (n,n') Level  
Legendre Coefficients

64-Gd-152



64-Gd-152

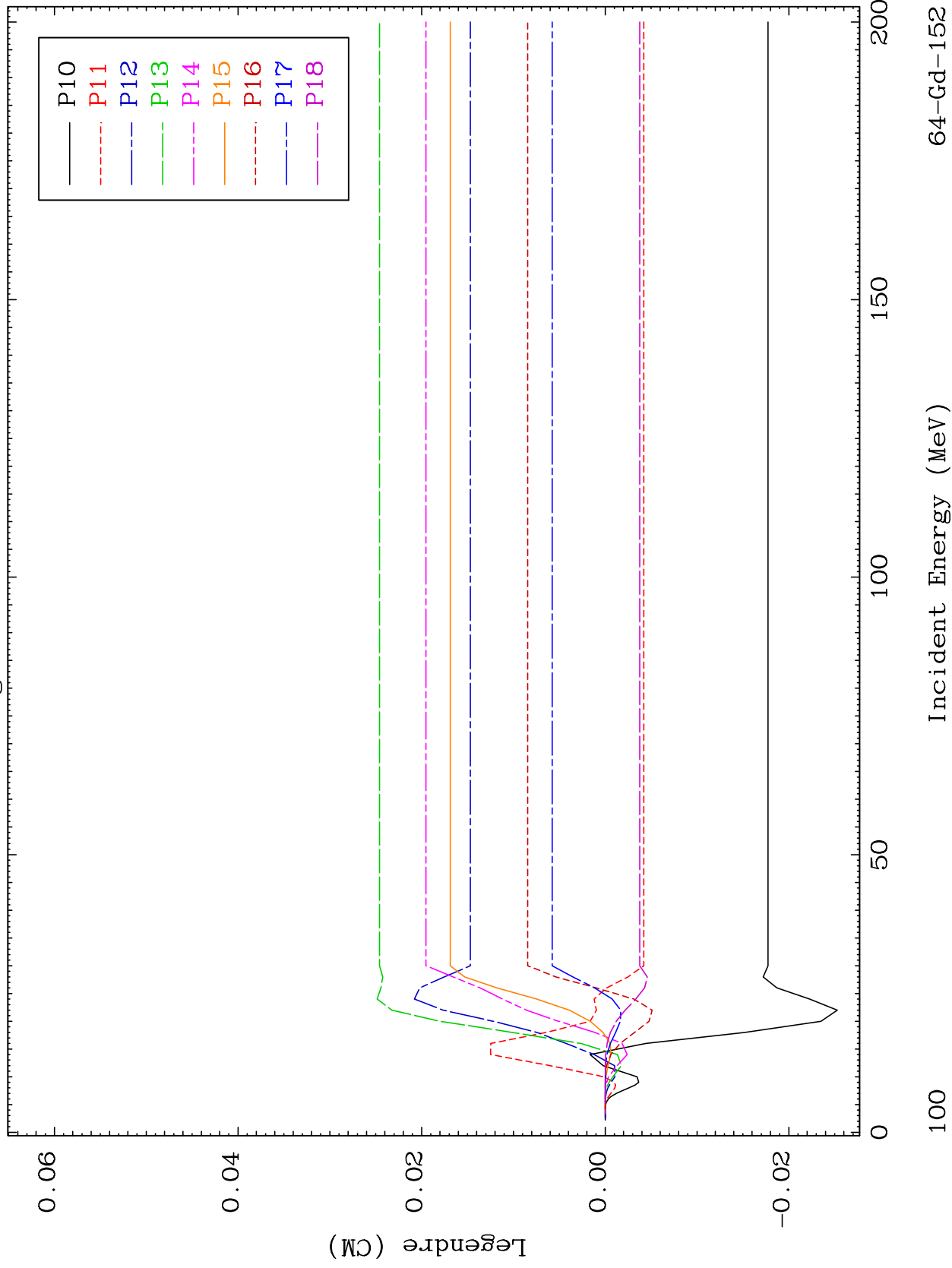
Incident Energy (MeV)

99

MAT 6425

1.772 MeV (n,n') Level  
Legendre Coefficients

64-Gd-152



64-Gd-152

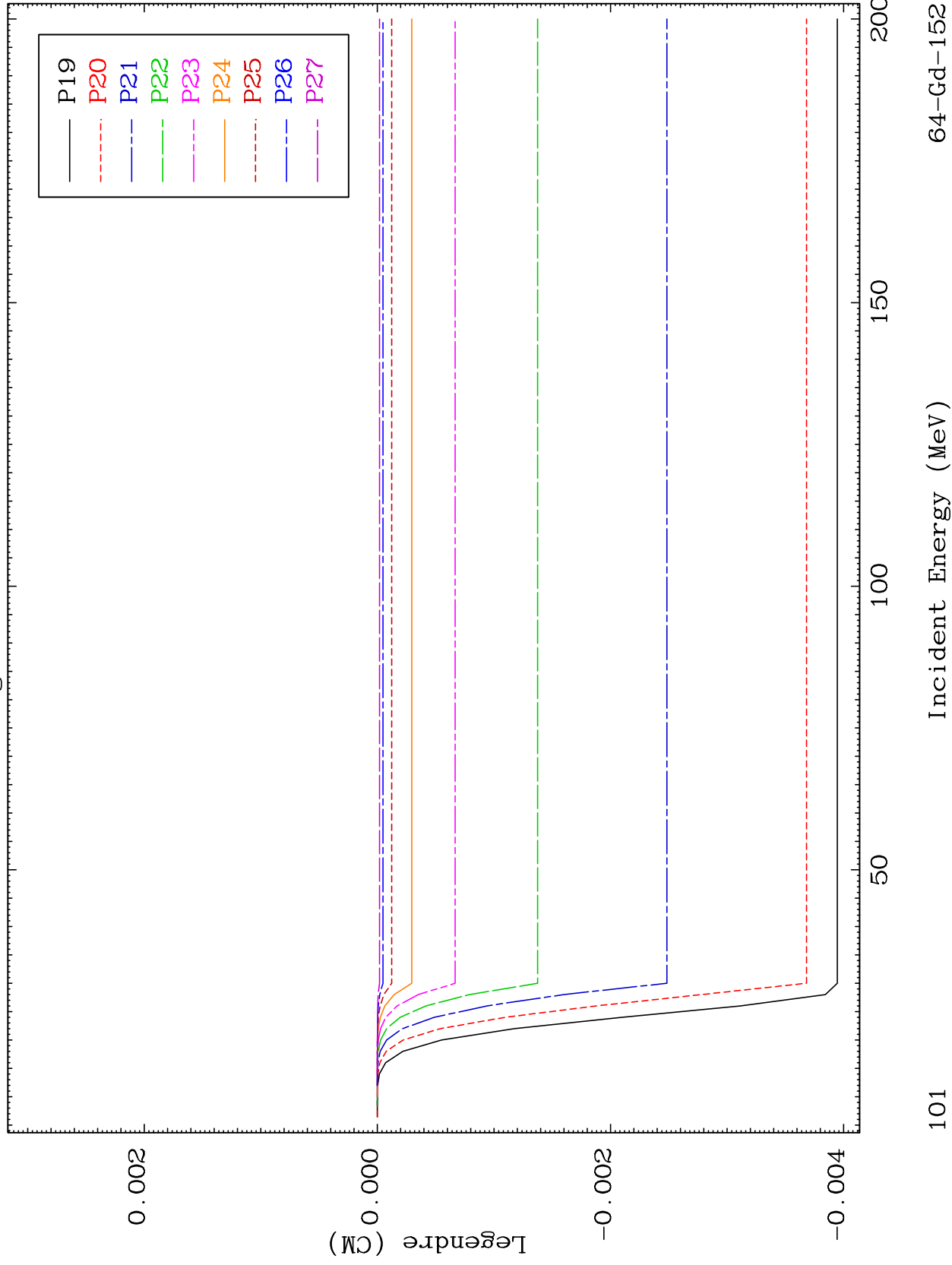
Incident Energy (MeV)

100

MAT 6425

1.772 MeV (n,n') Level  
Legendre Coefficients

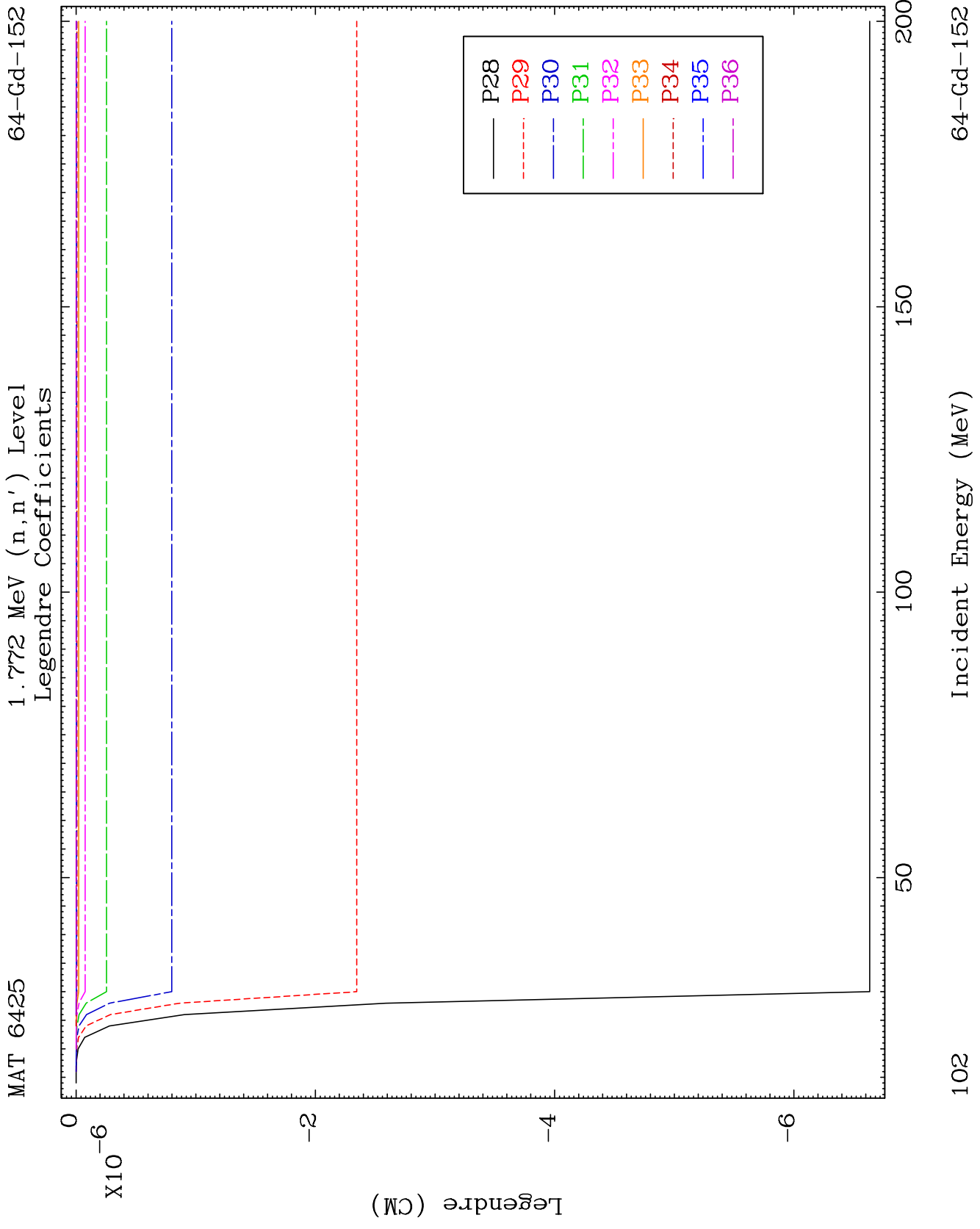
64-Gd-152

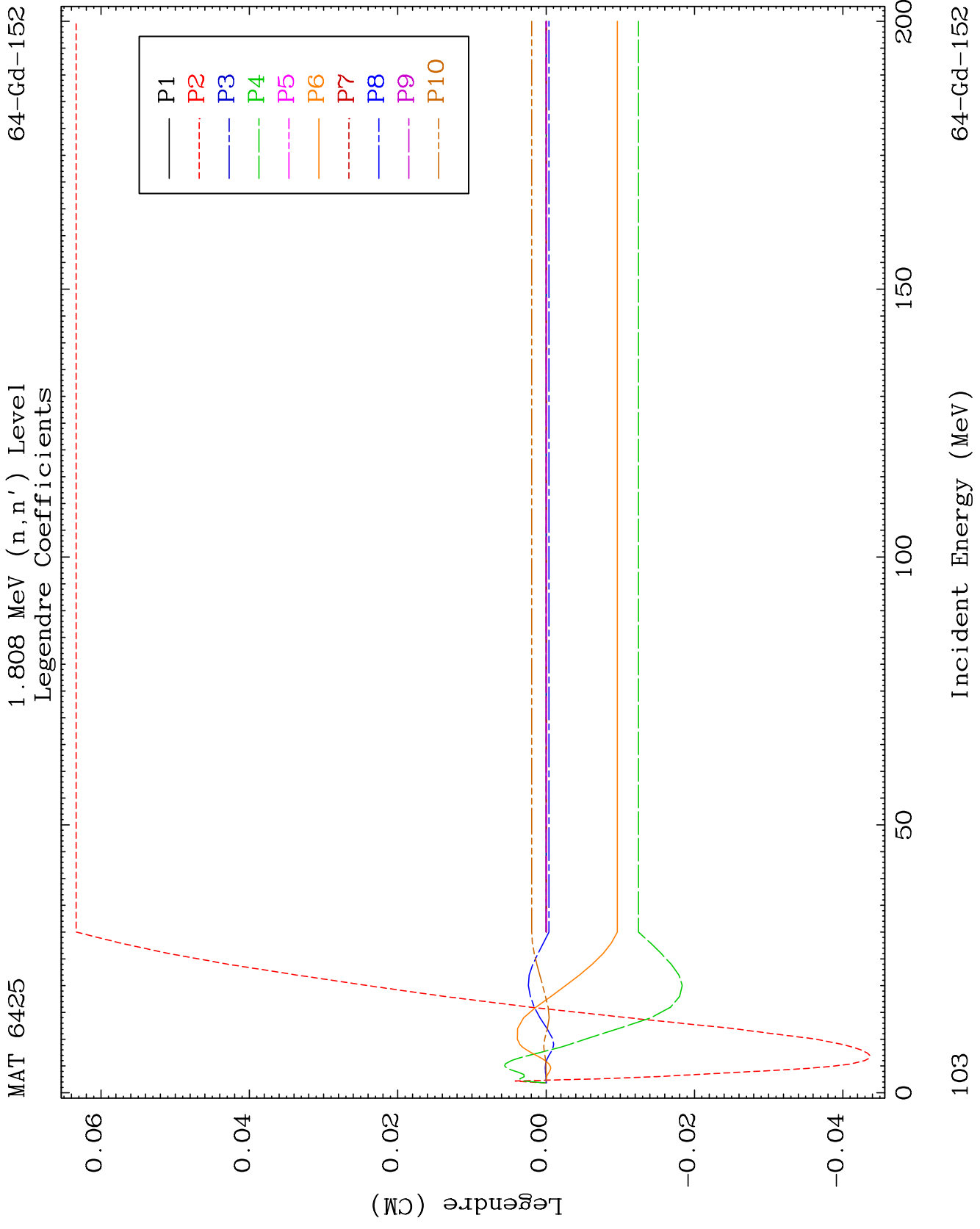


101

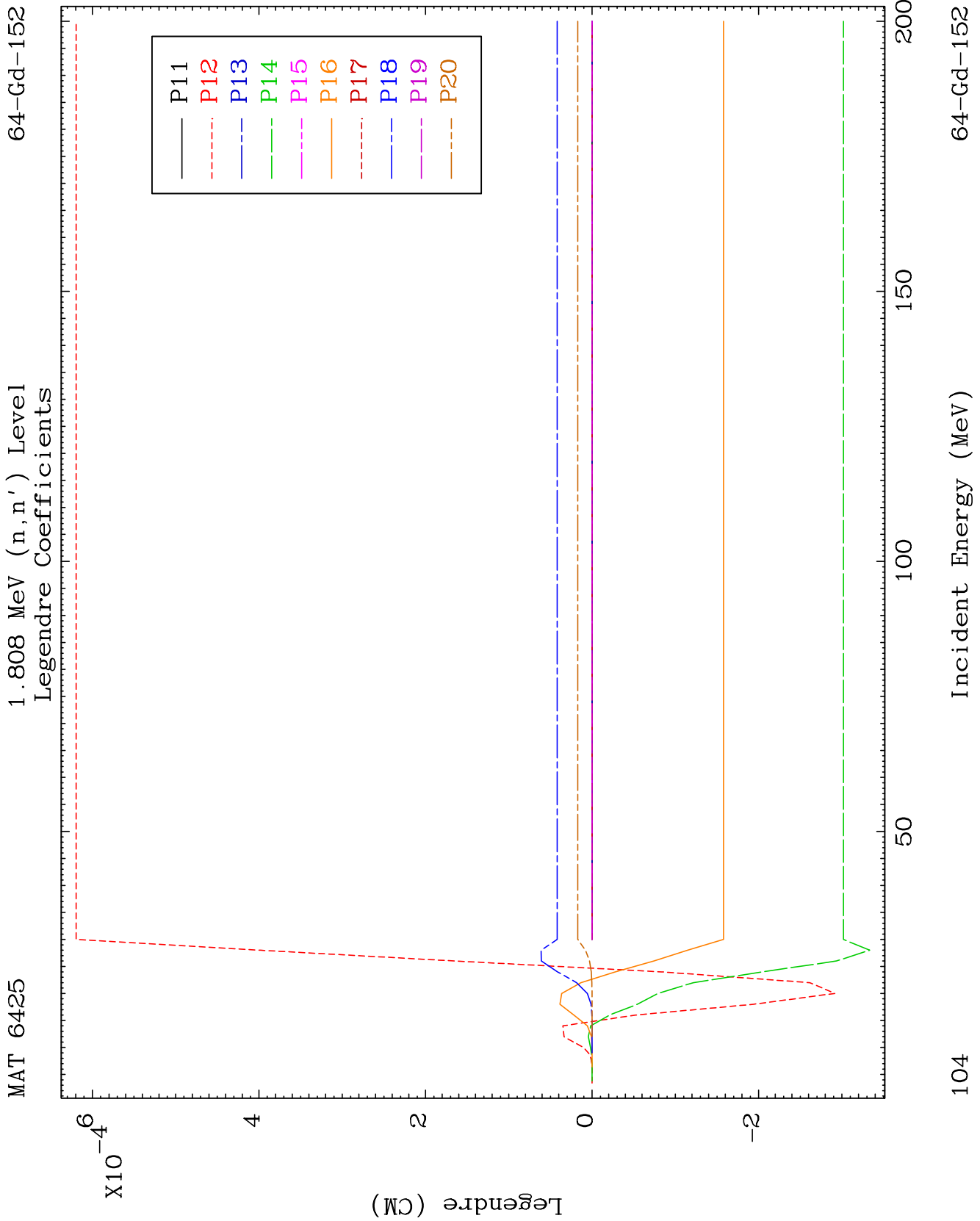
Incident Energy (MeV)

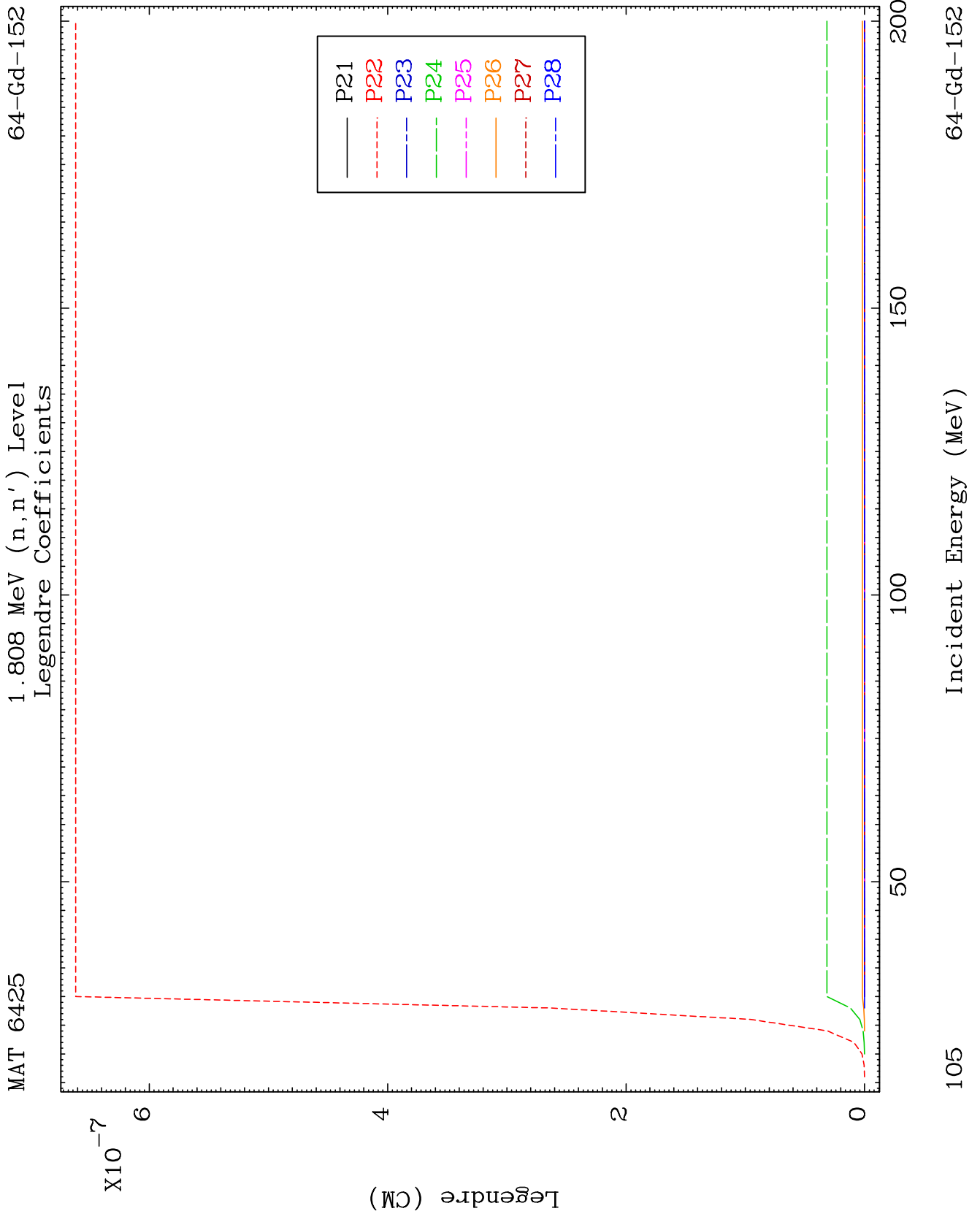
64-Gd-152











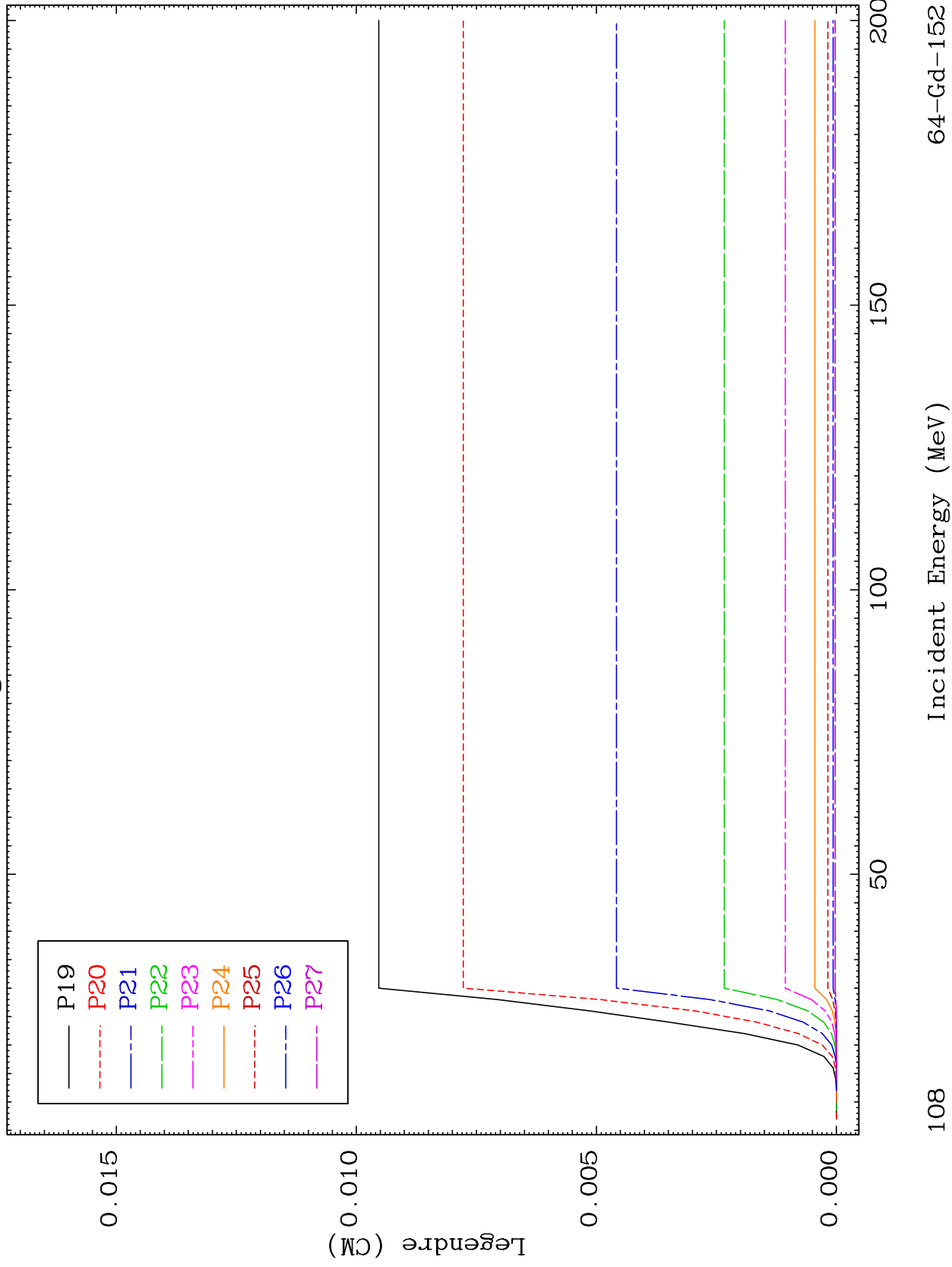




MAT 6425

1.840 MeV (n, n') Level  
Legendre Coefficients

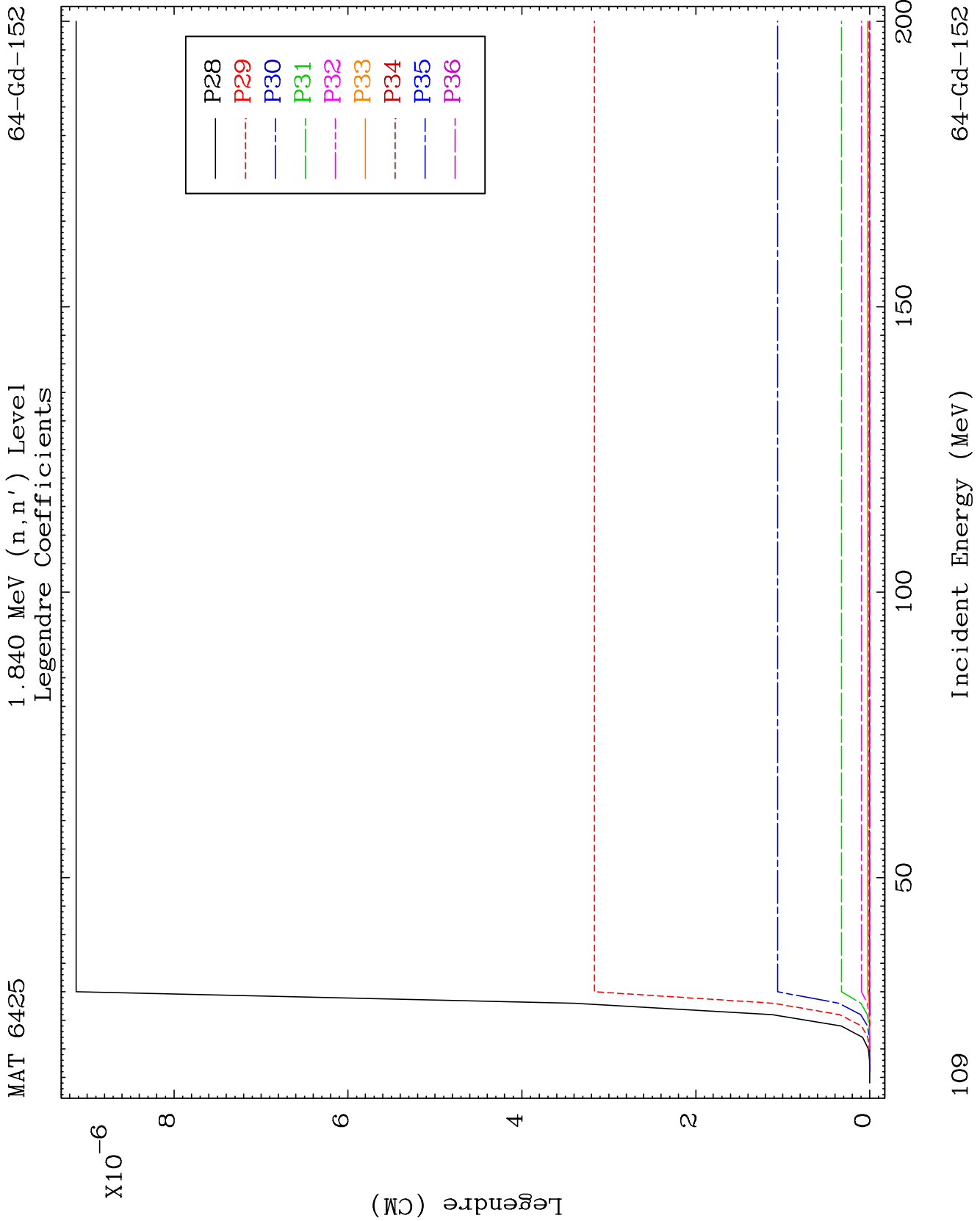
64-Gd-152



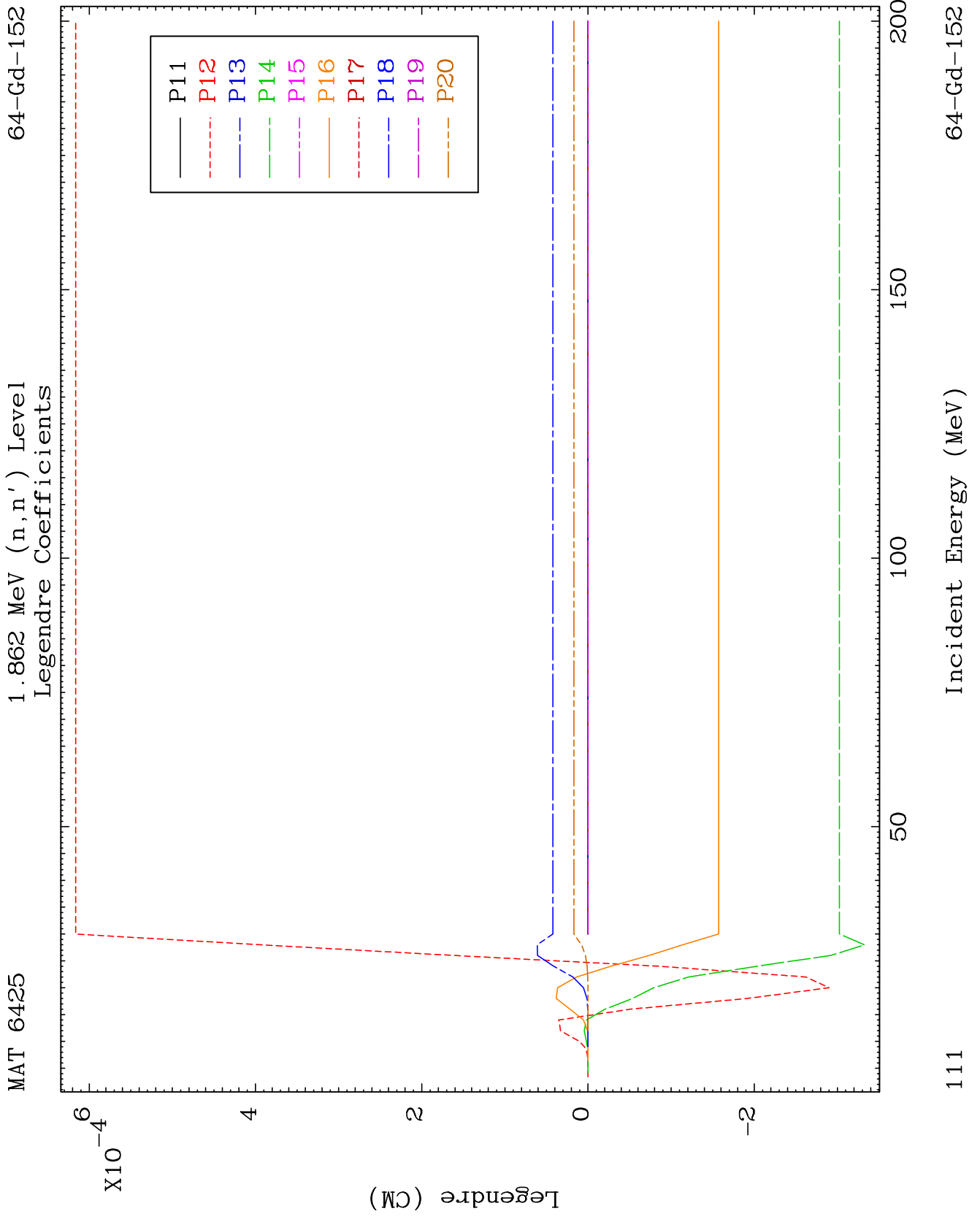
108

Incident Energy (MeV)

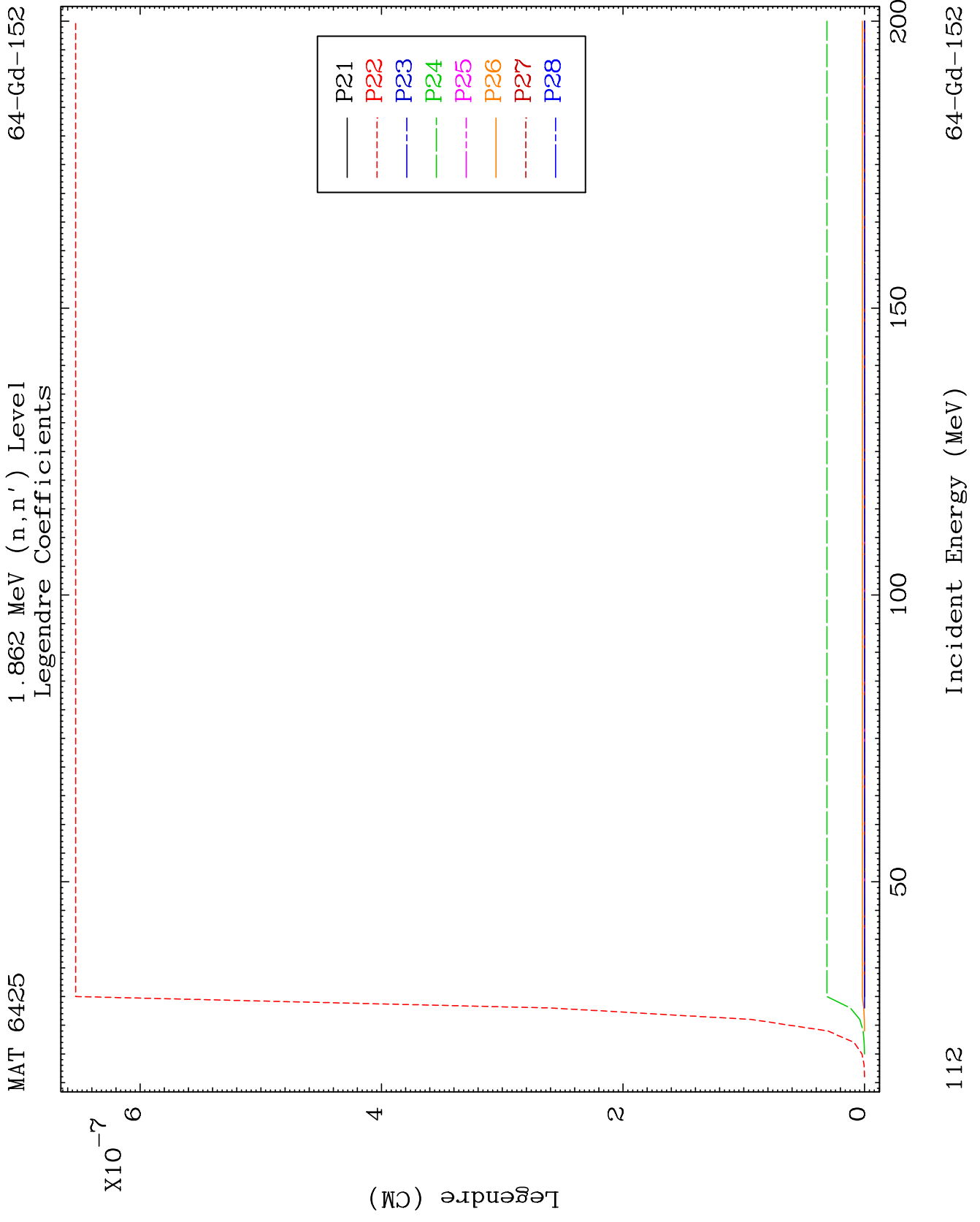
64-Gd-152

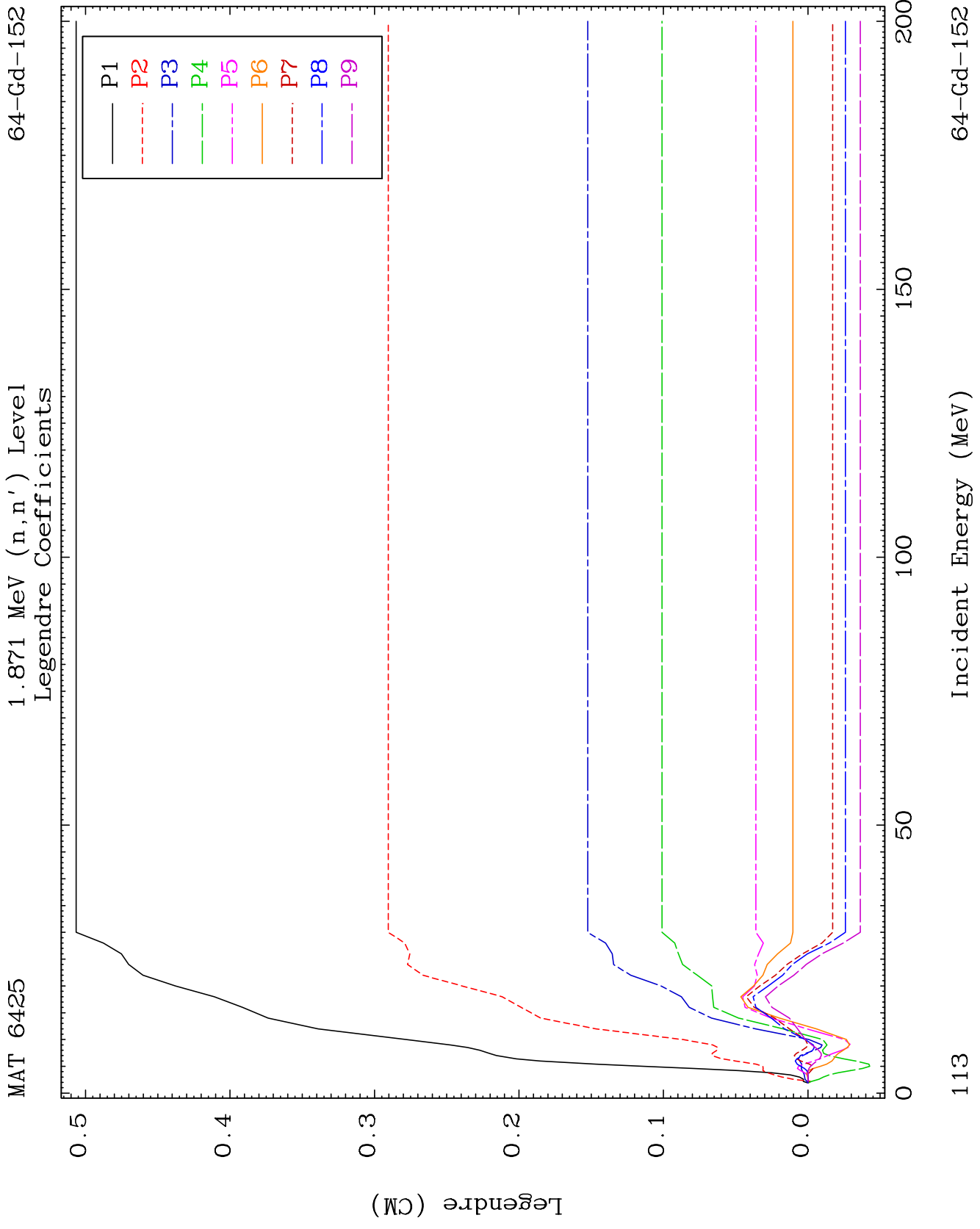








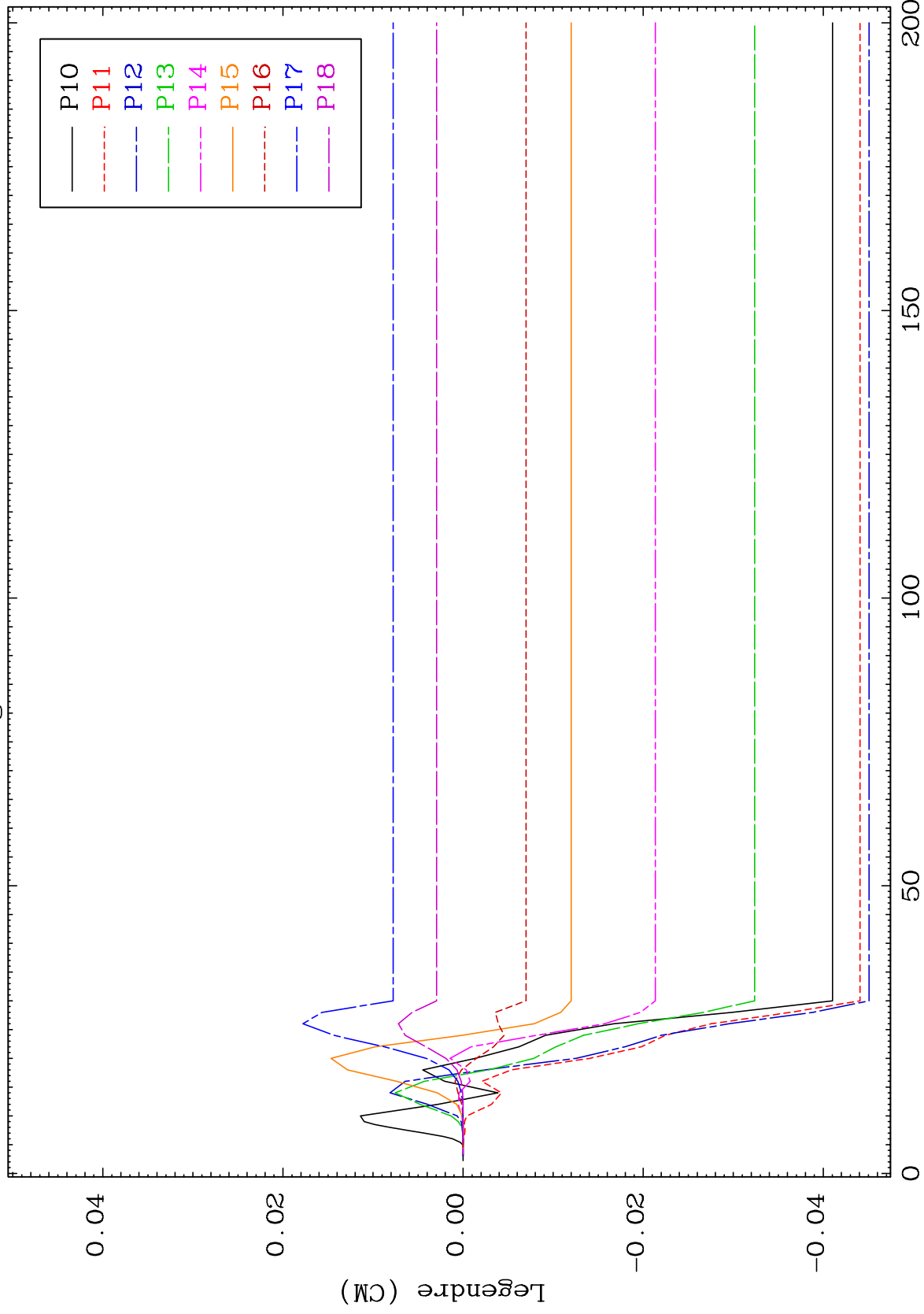




MAT 6425

1.871 MeV (n,n') Level  
Legendre Coefficients

64-Gd-152



114

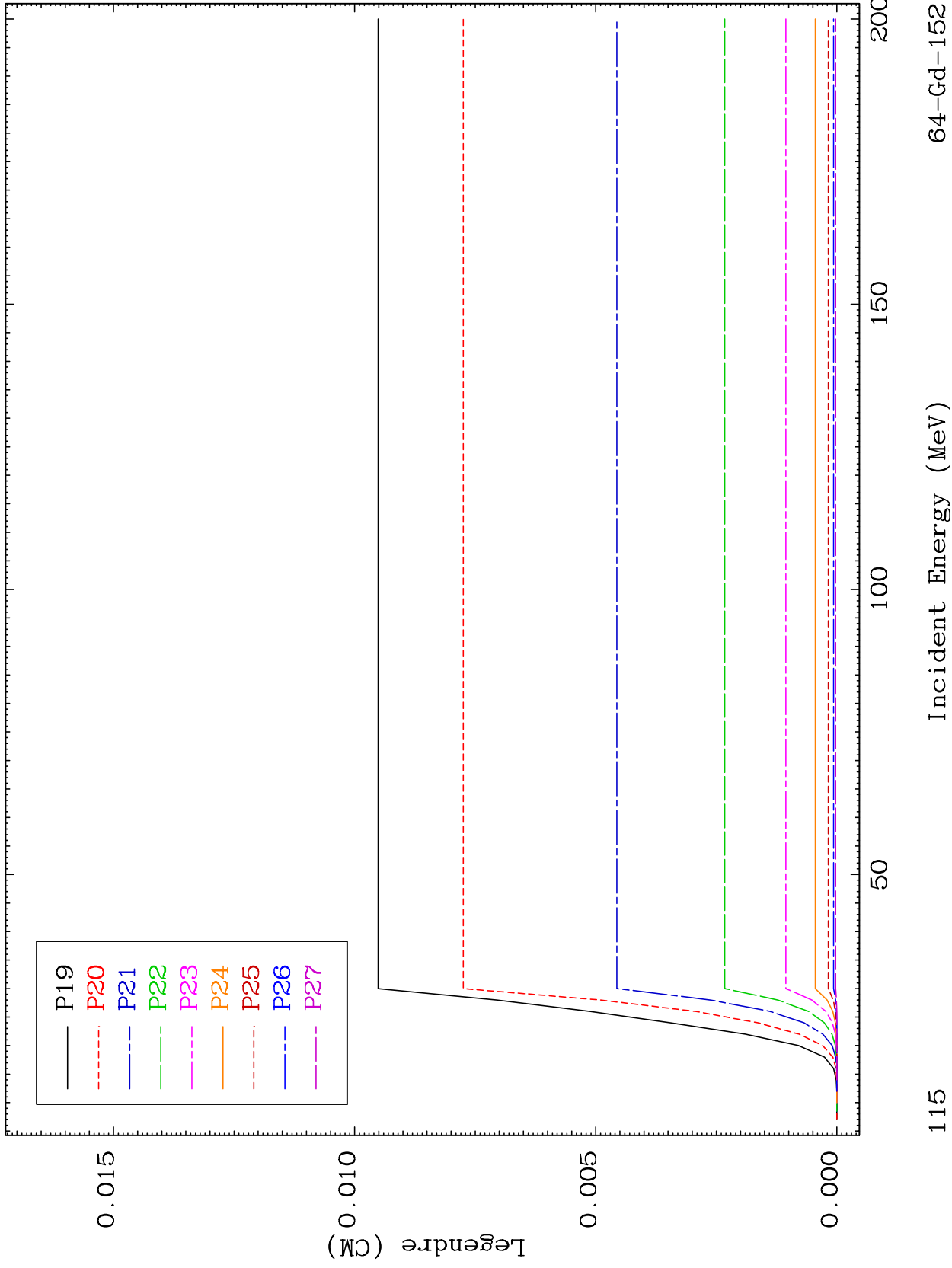
Incident Energy (MeV)

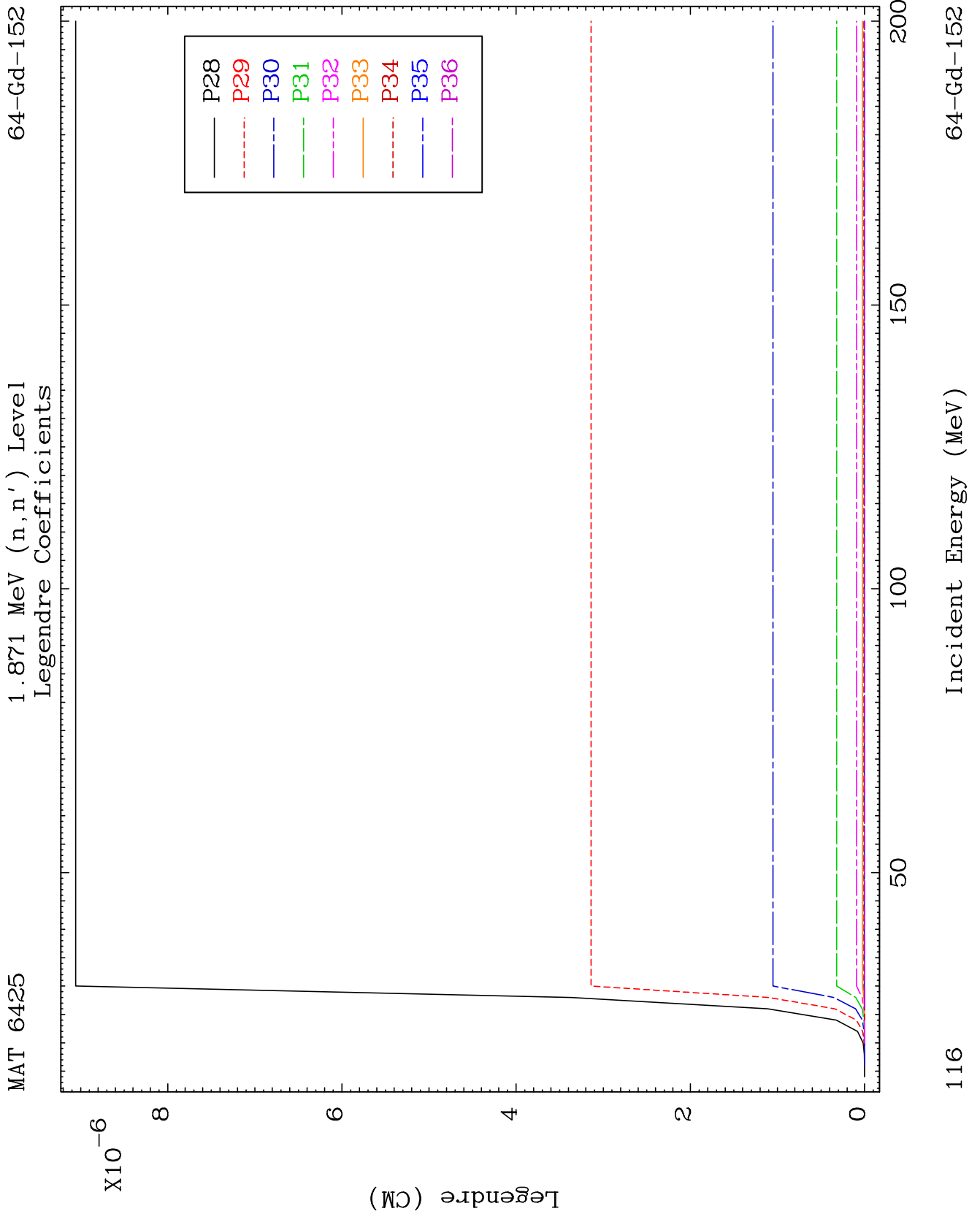
64-Gd-152

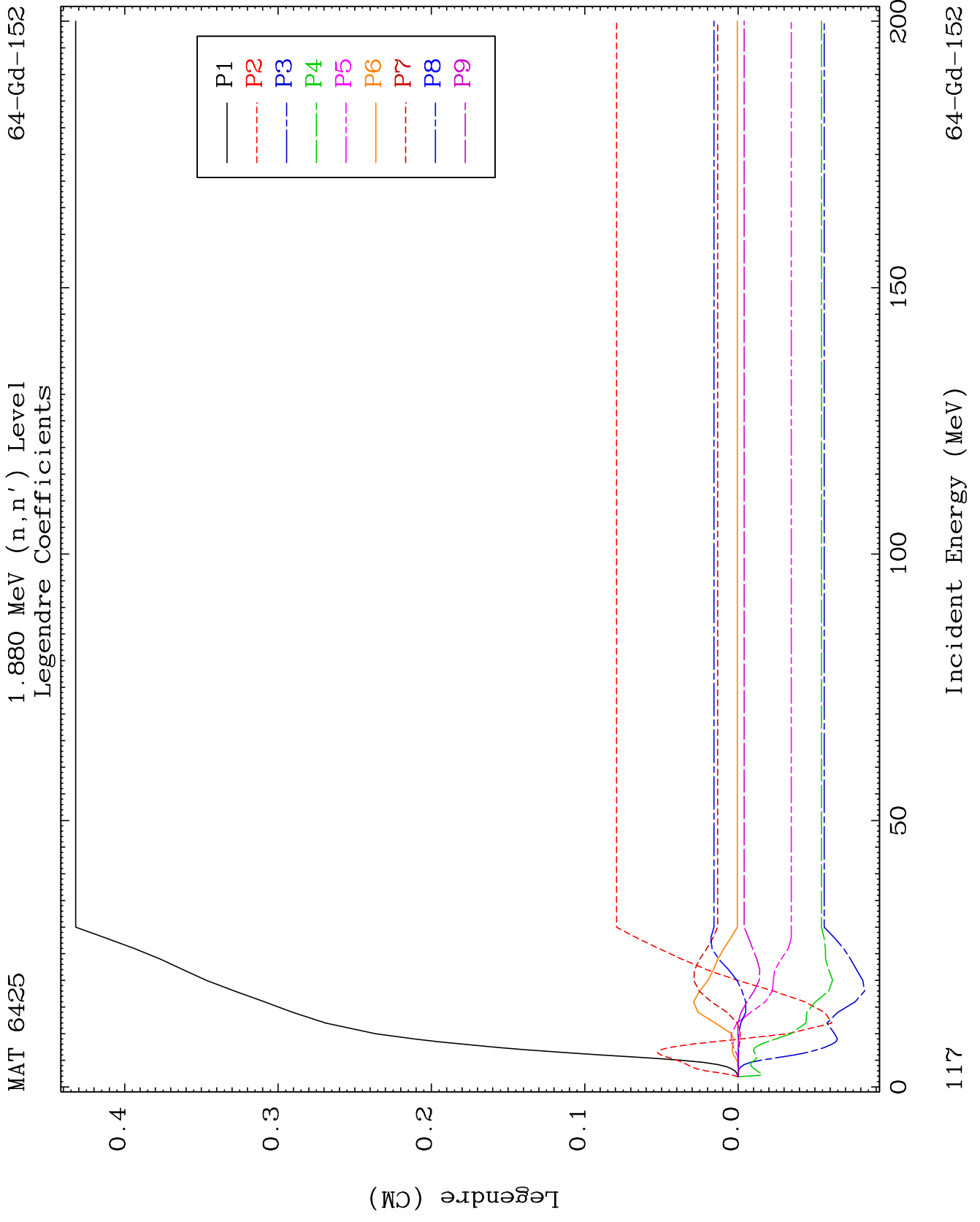
MAT 6425

1.871 MeV (n,n') Level  
Legendre Coefficients

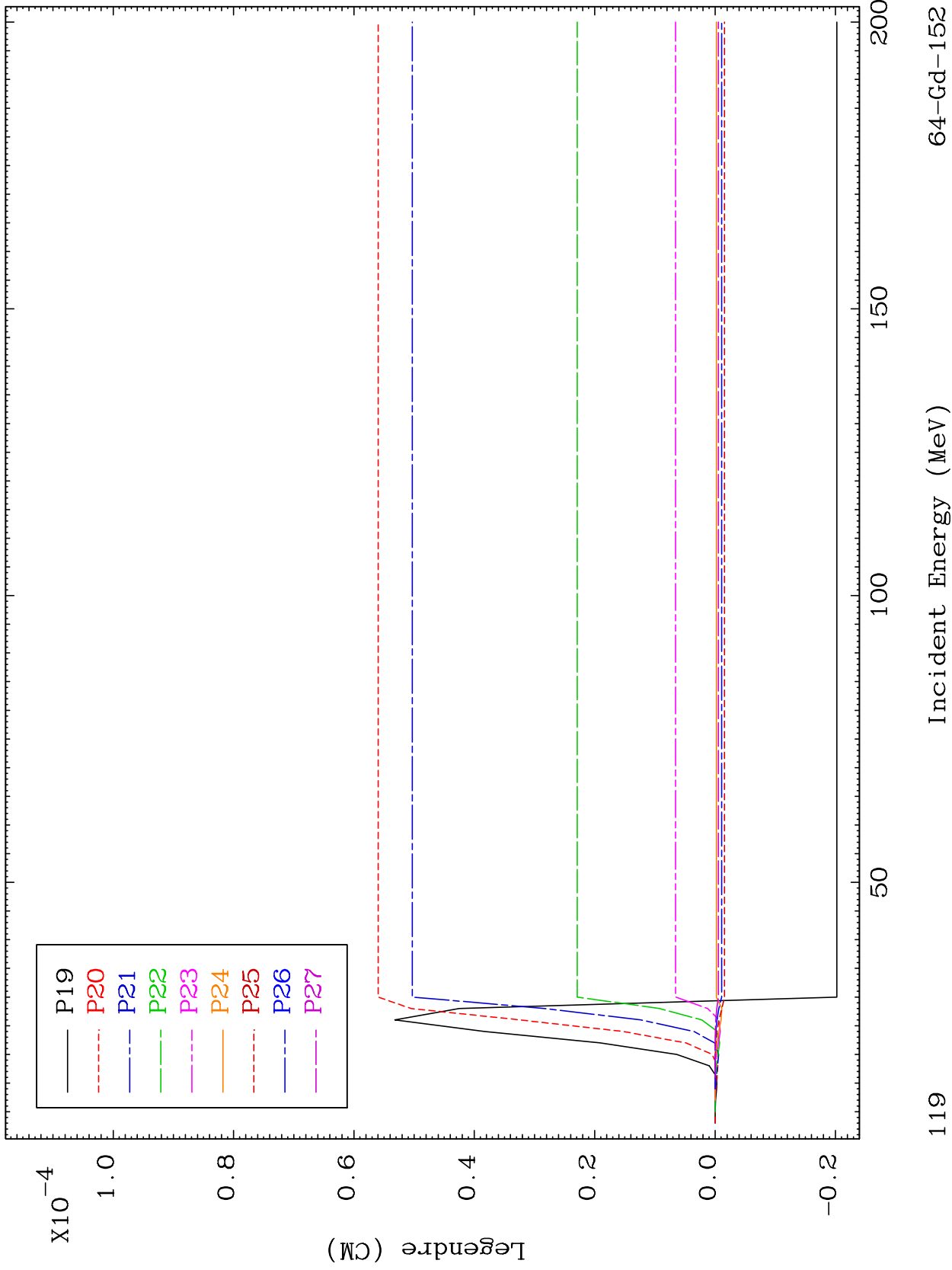
64-Gd-152



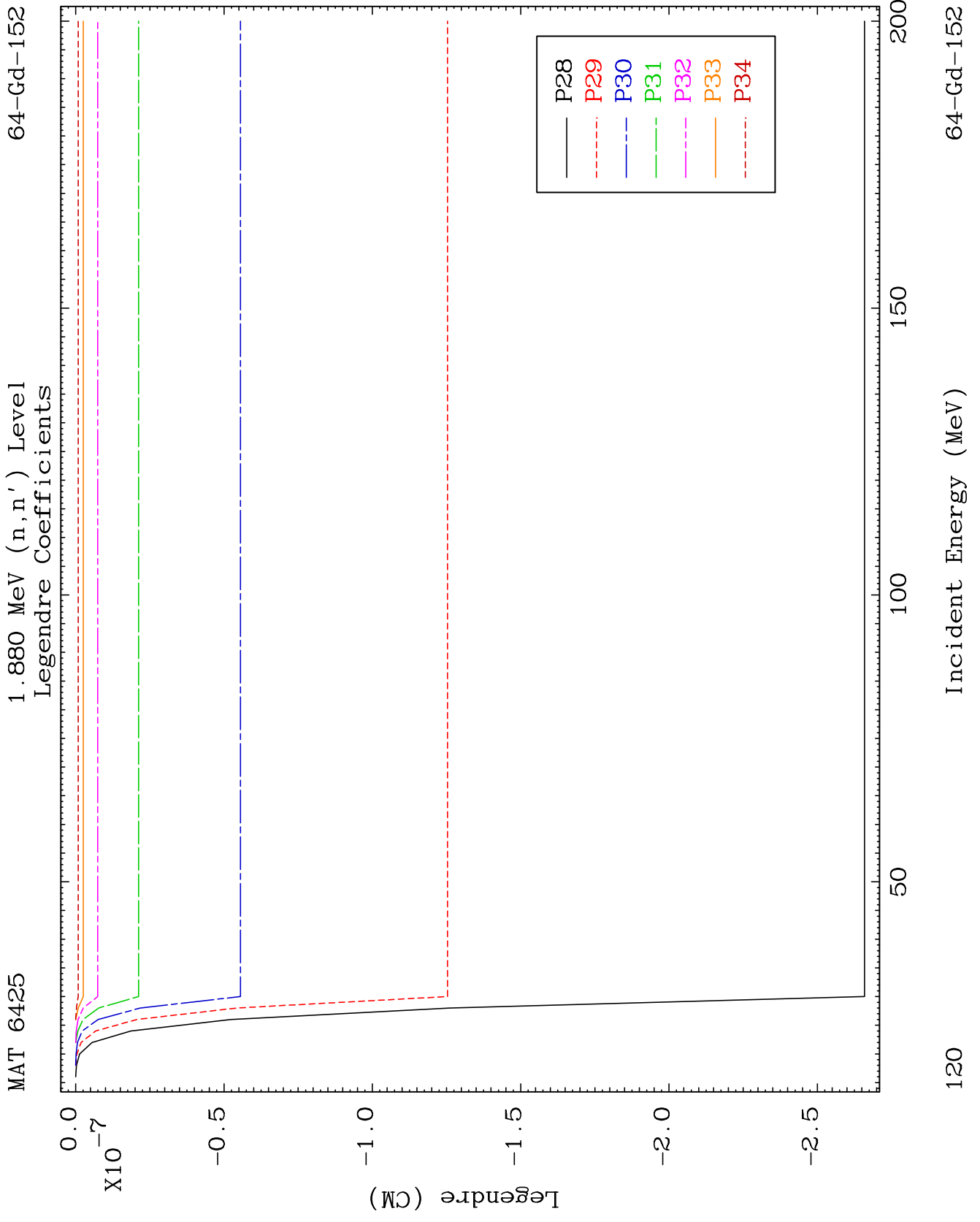








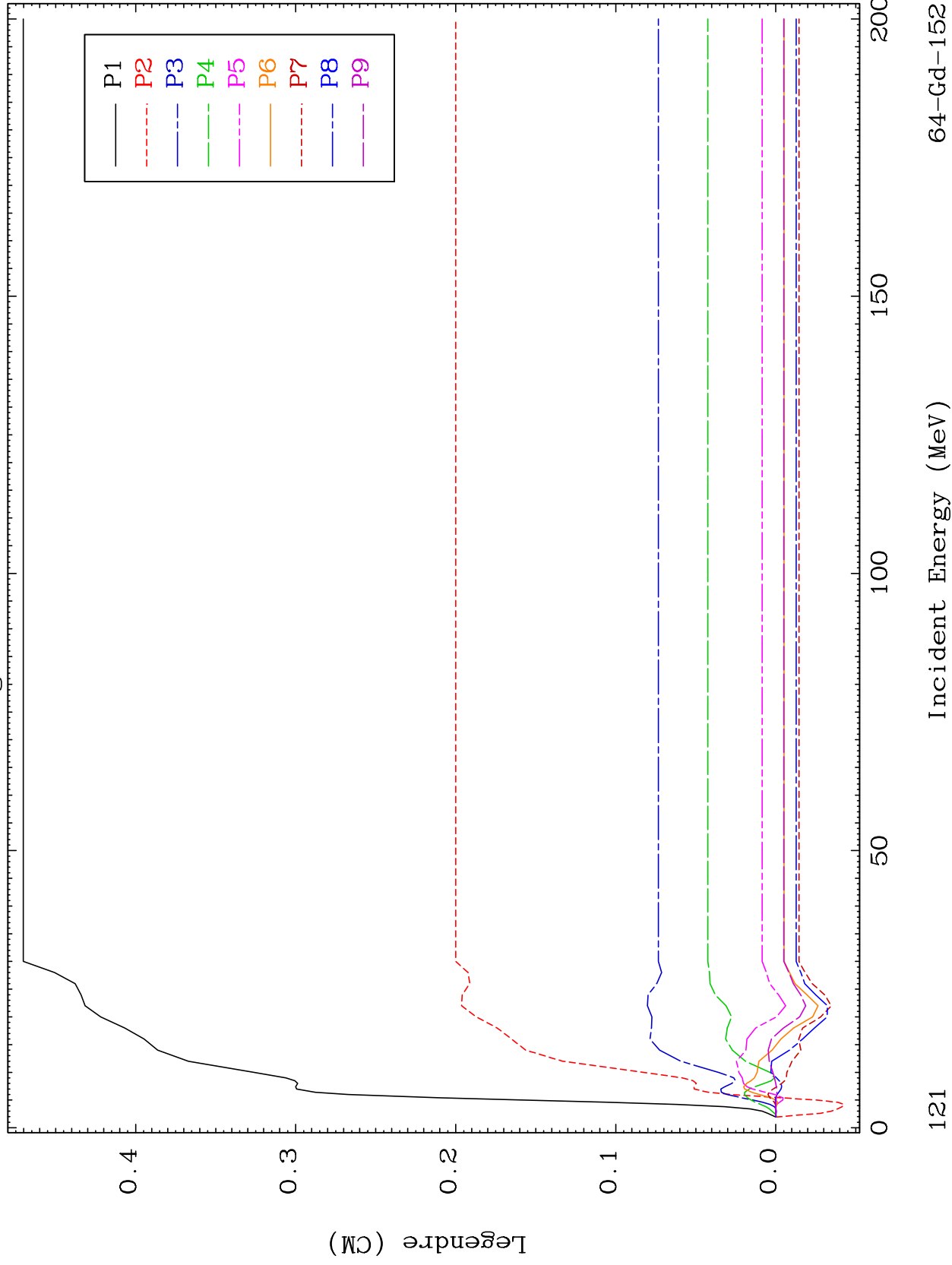




MAT 6425

1.915 MeV (n,n') Level  
Legendre Coefficients

64-Gd-152



64-Gd-152

Incident Energy (MeV)

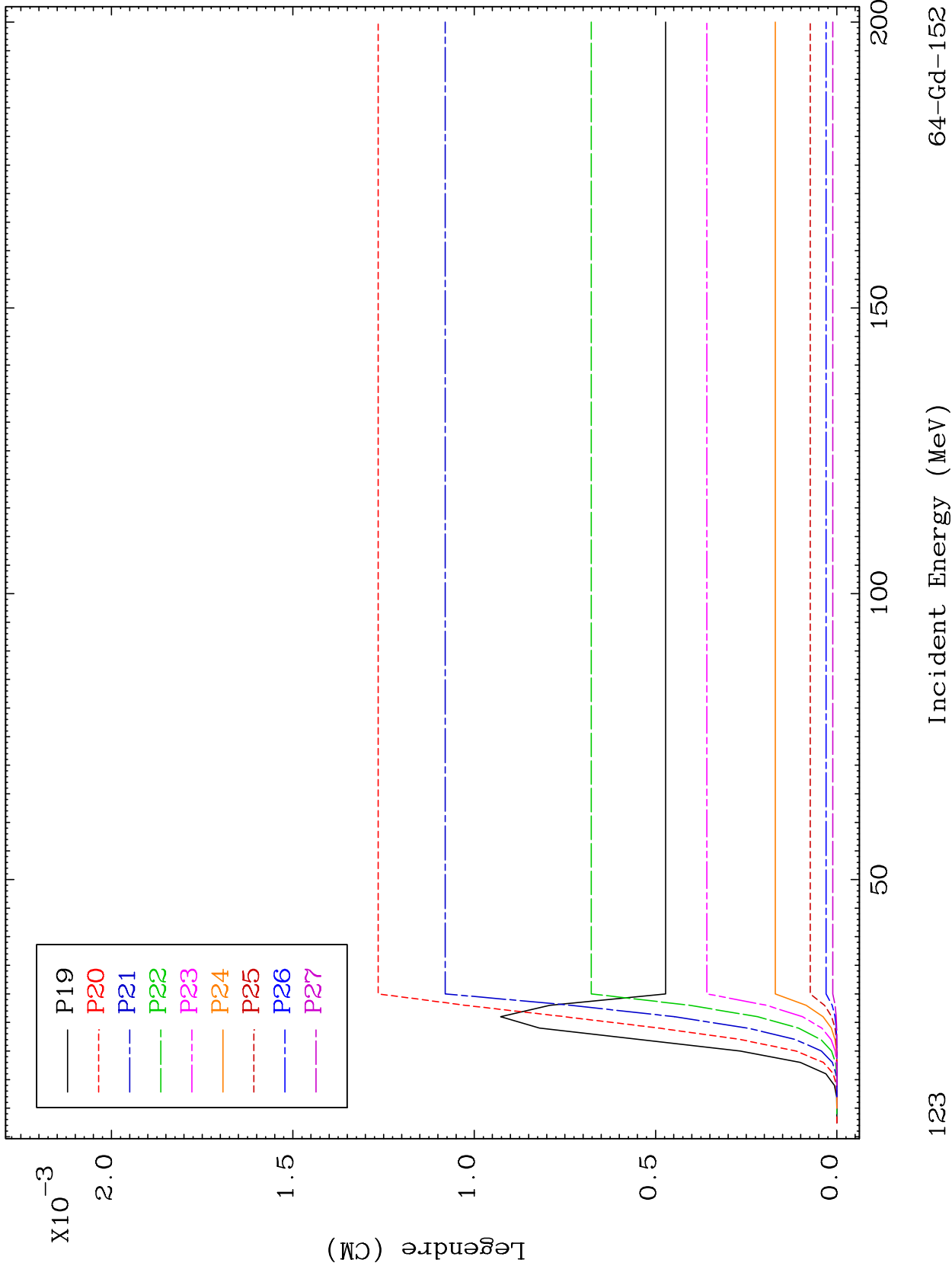
121

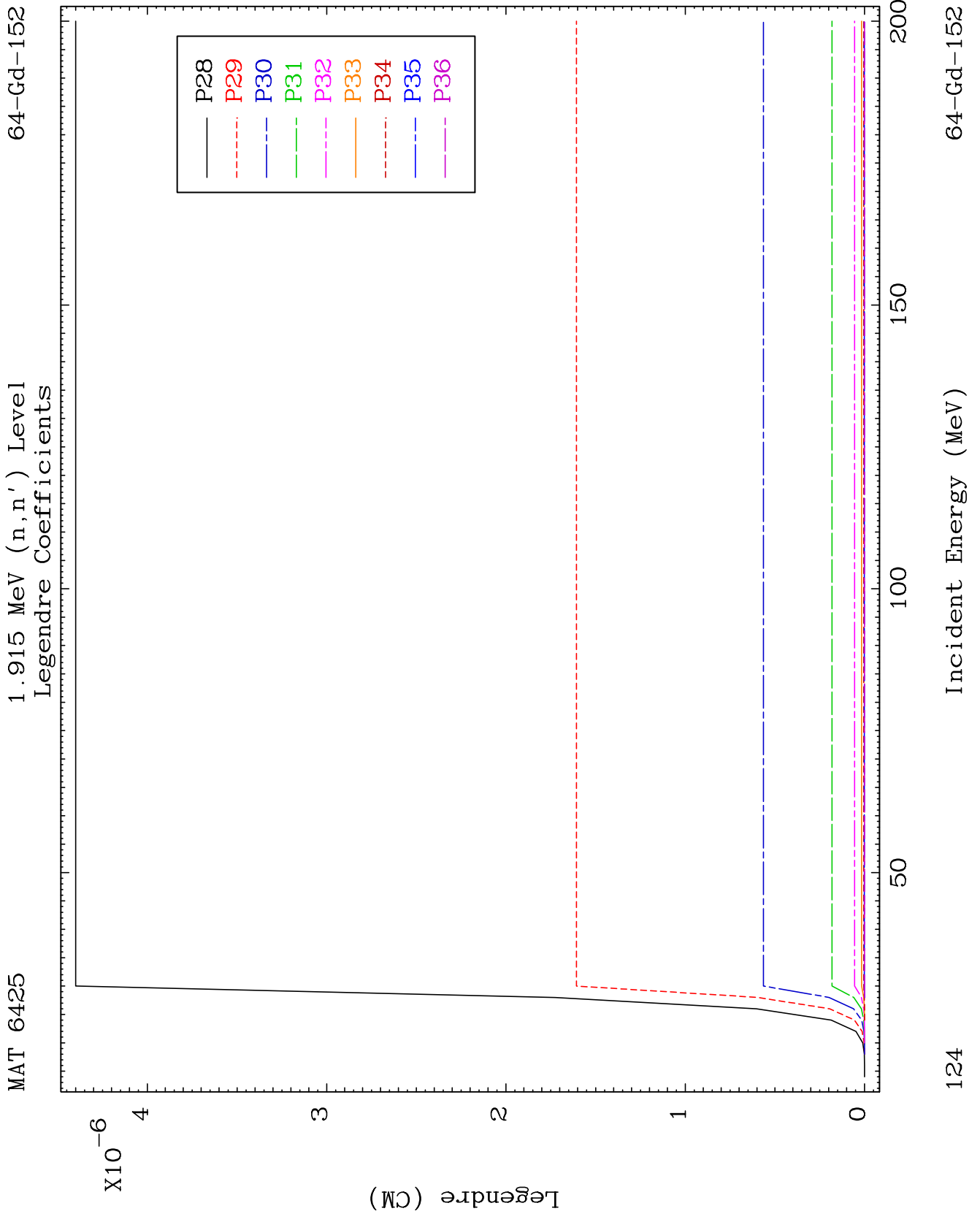


MAT 6425

1.915 MeV (n, n') Level  
Legendre Coefficients

64-Gd-152



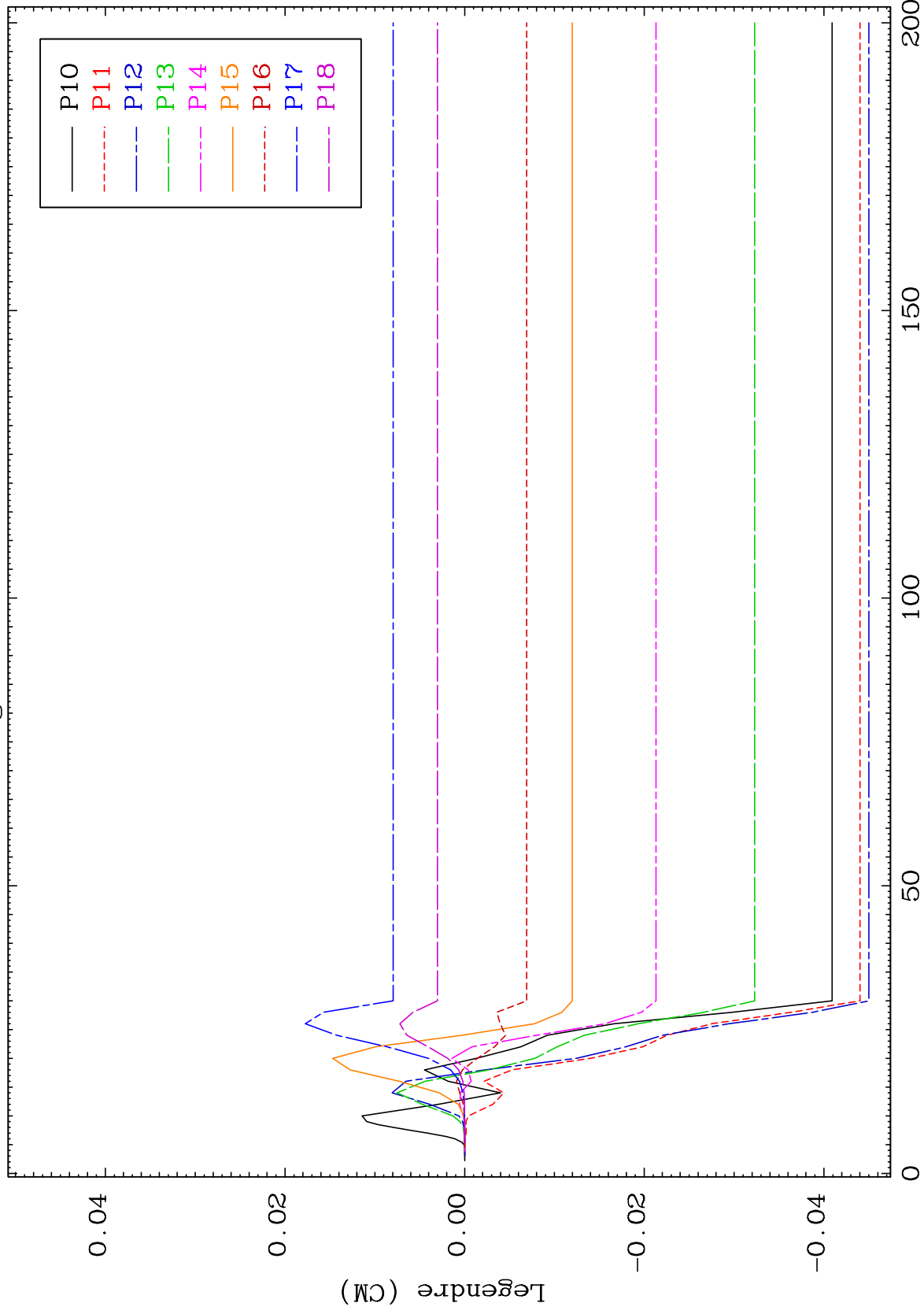




MAT 6425

1.941 MeV (n,n') Level  
Legendre Coefficients

64-Gd-152



126

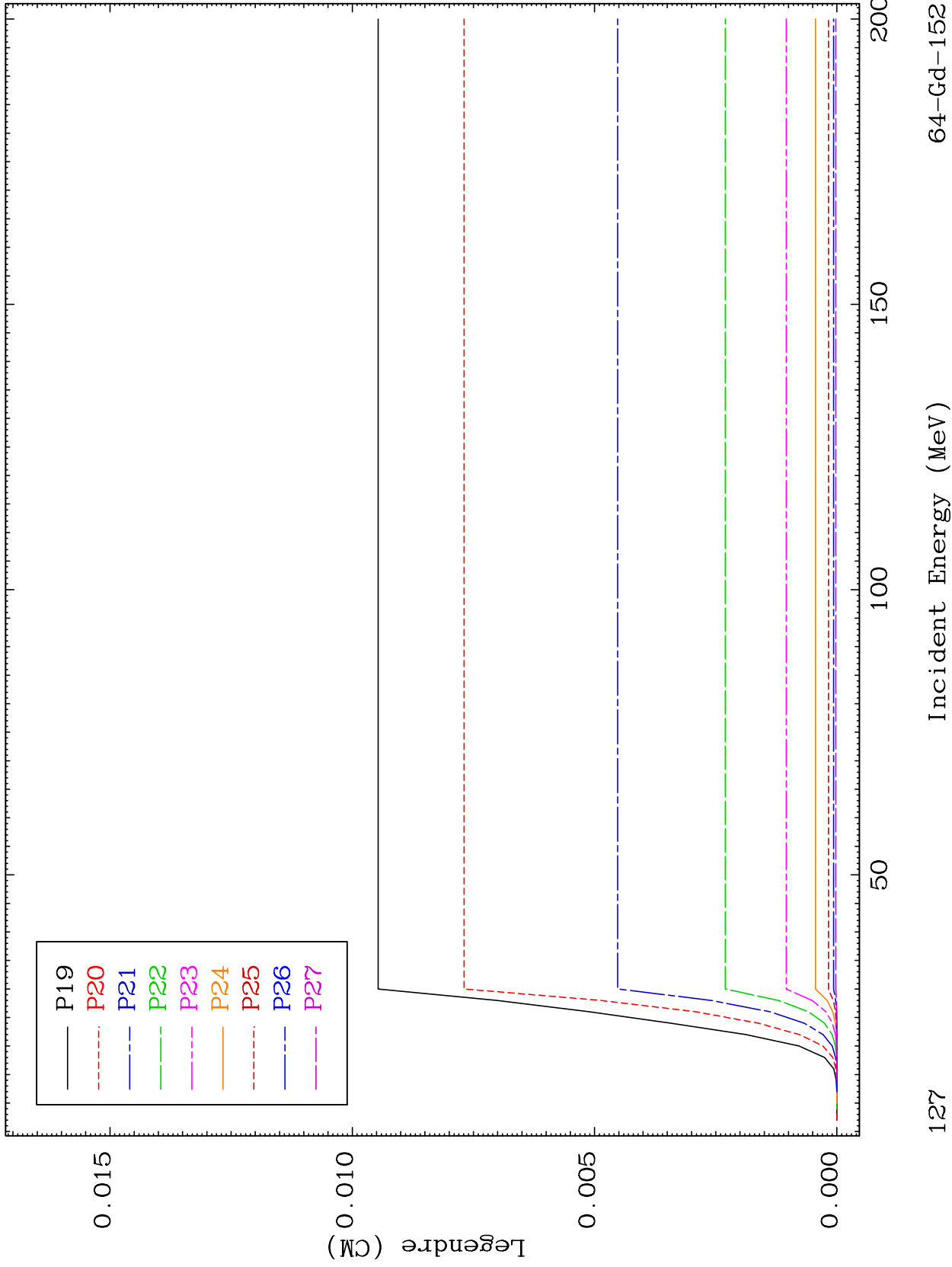
Incident Energy (MeV)

64-Gd-152

MAT 6425

1.941 MeV (n, n') Level  
Legendre Coefficients

64-Gd-152



127

Incident Energy (MeV)

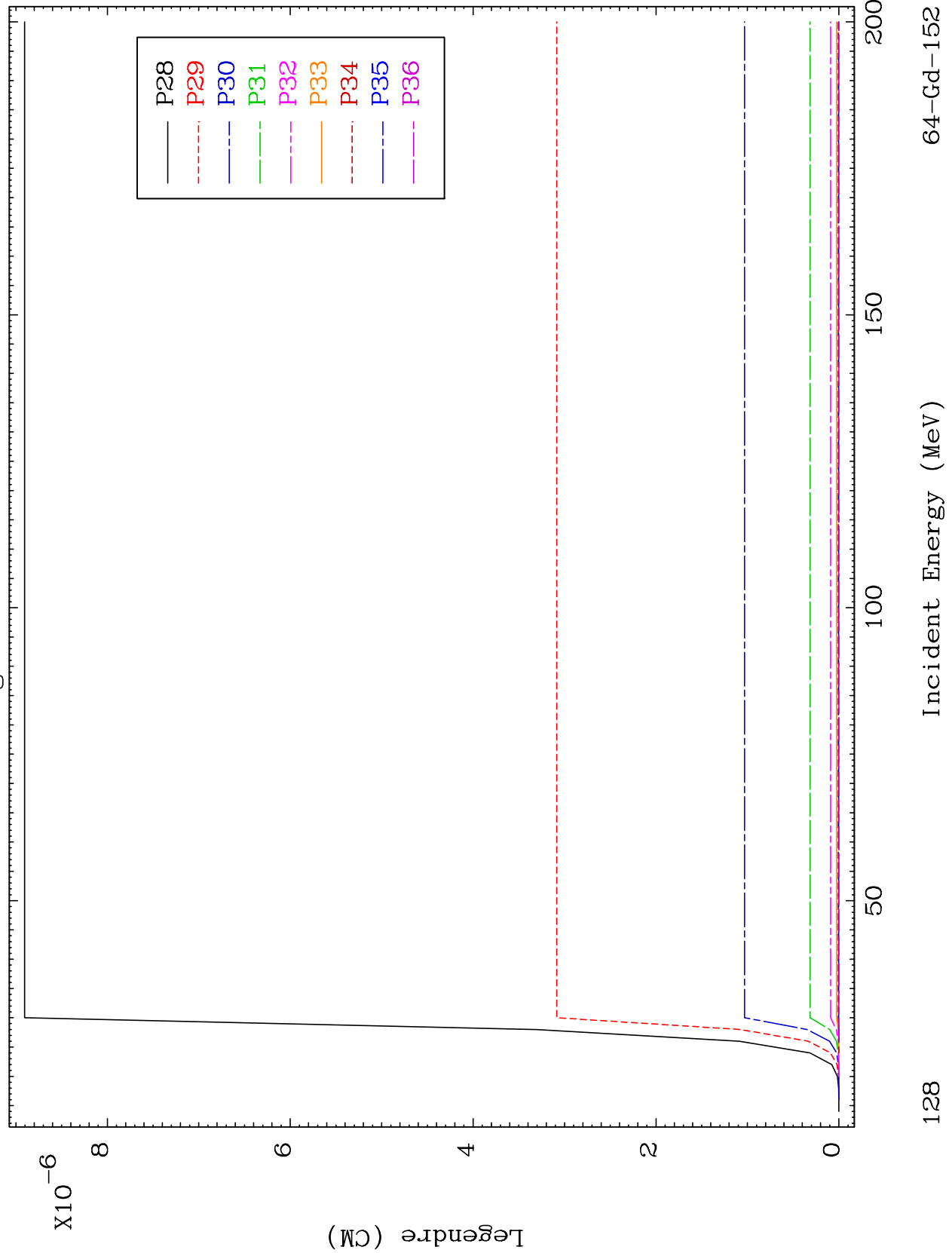
64-Gd-152



MAT 6425

1.941 MeV (n, n') Level  
Legendre Coefficients

64-Gd-152



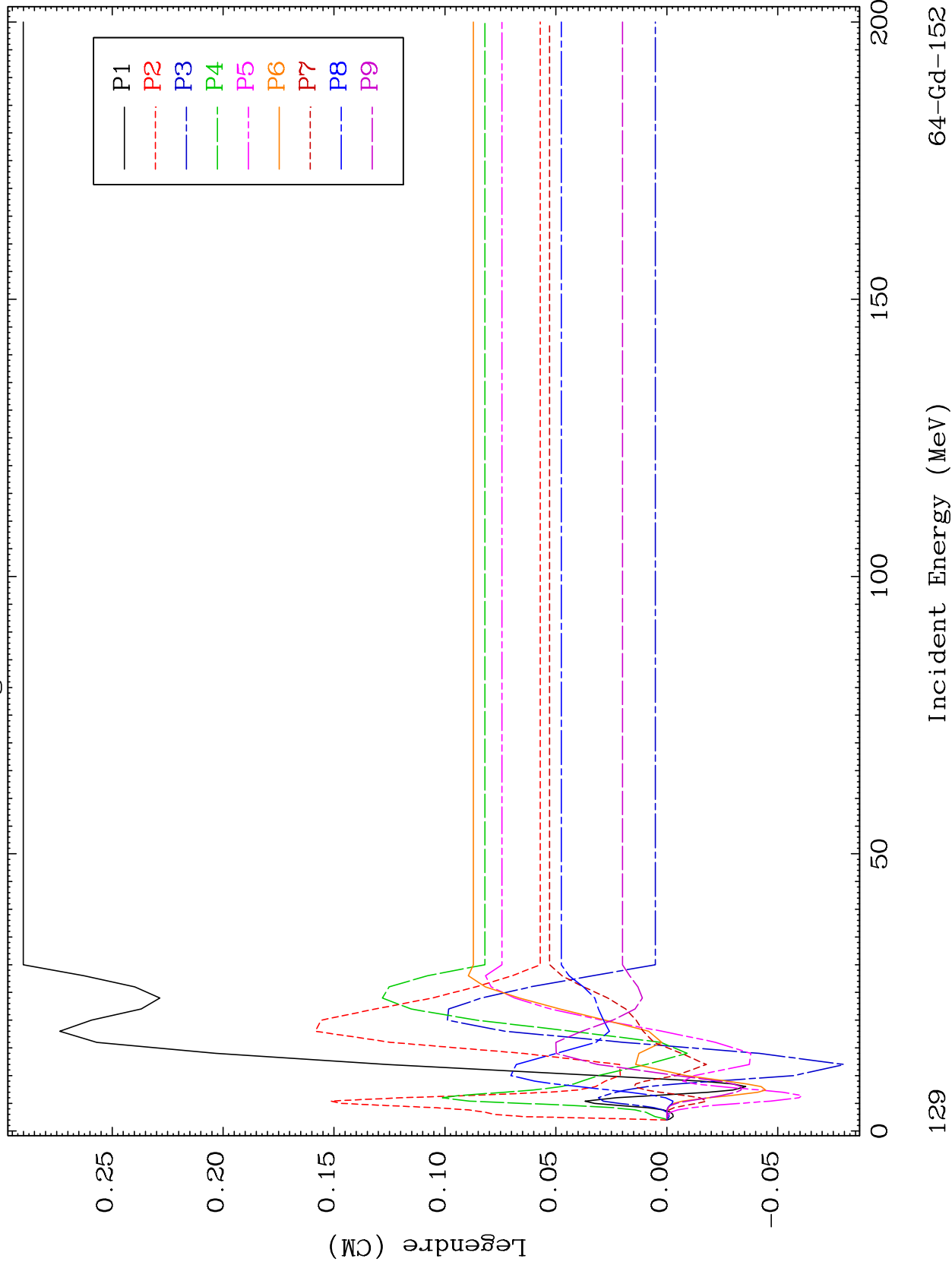
128

64-Gd-152

MAT 6425

1.962 MeV (n,n') Level  
Legendre Coefficients

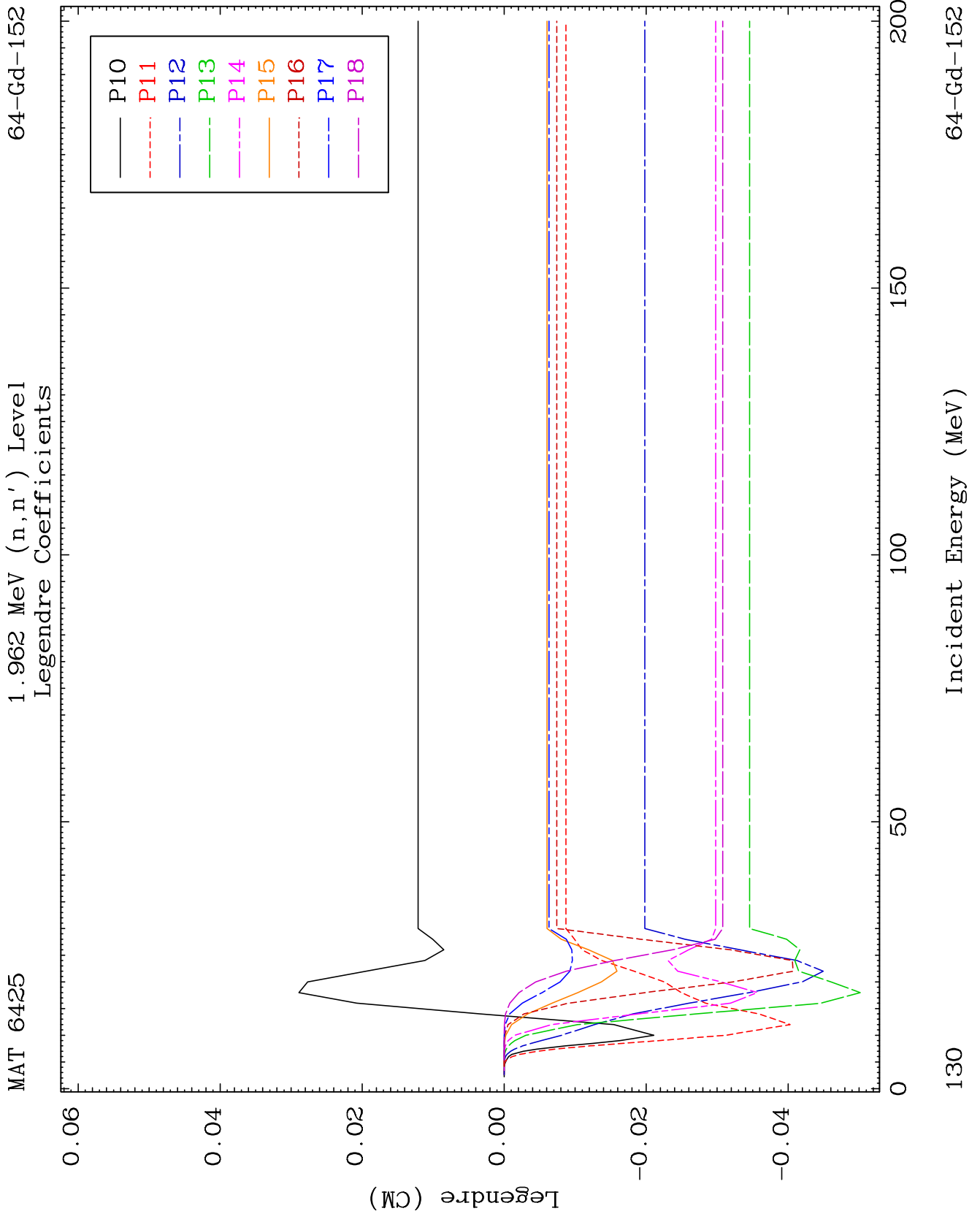
64-Gd-152

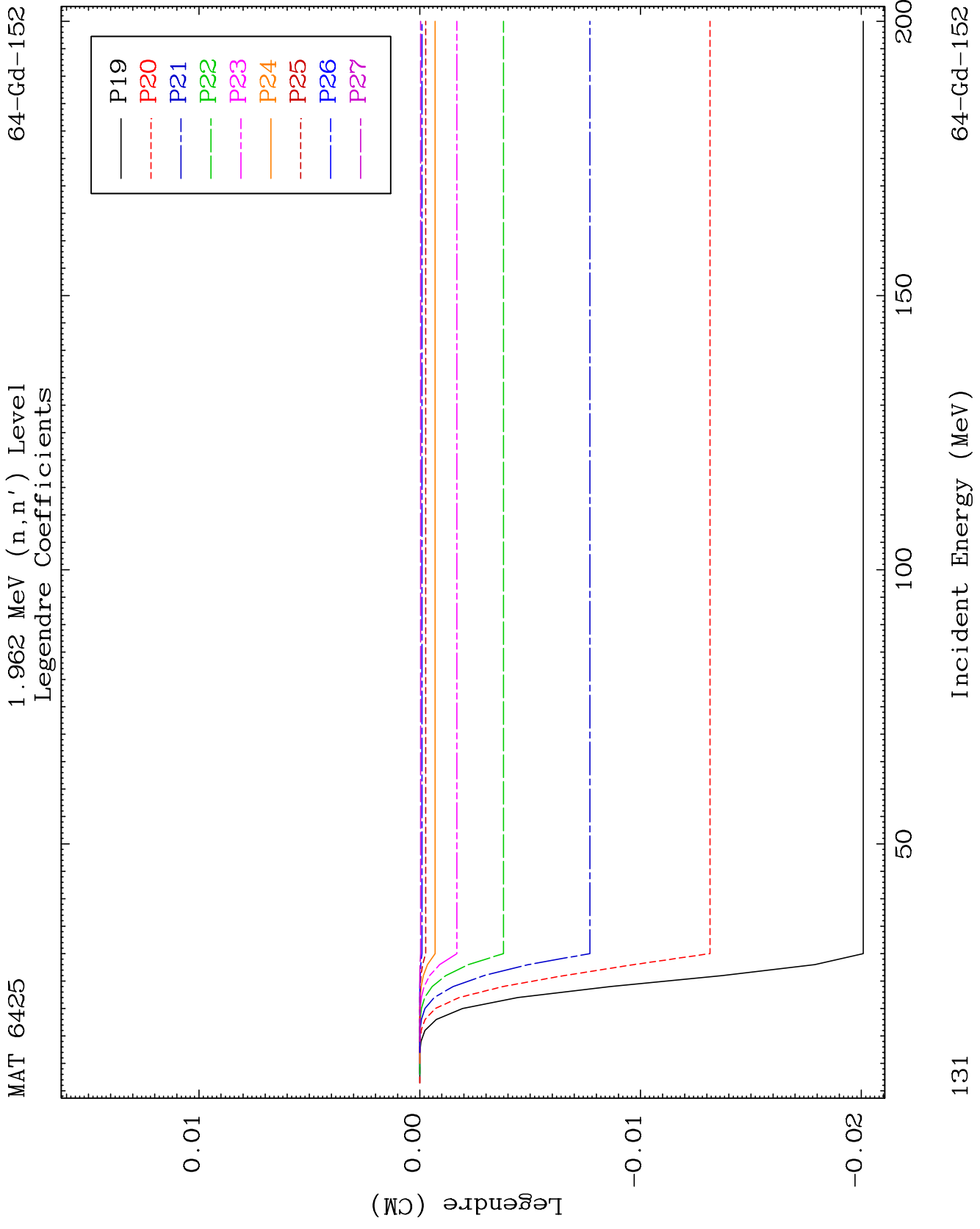


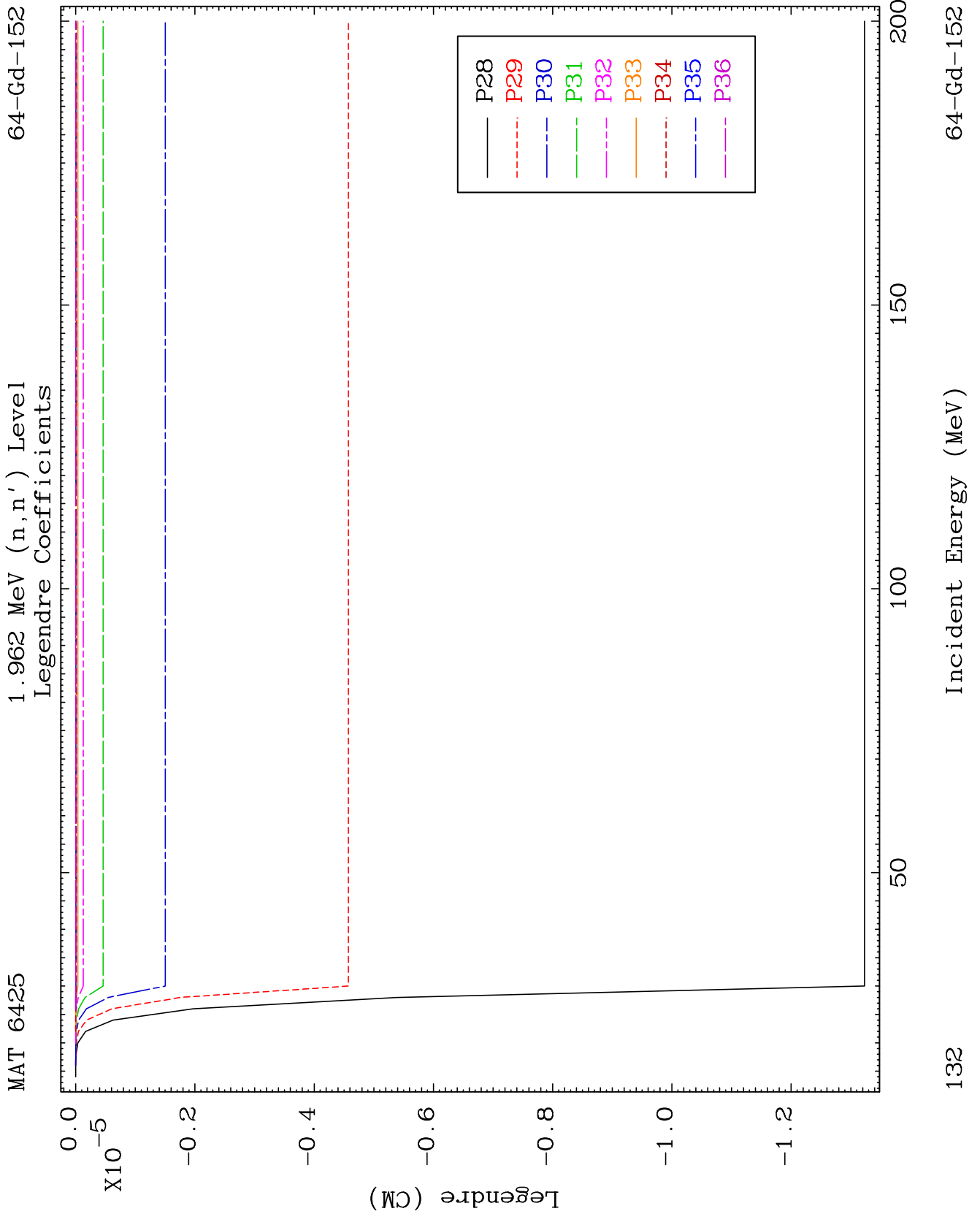
64-Gd-152

Incident Energy (MeV)

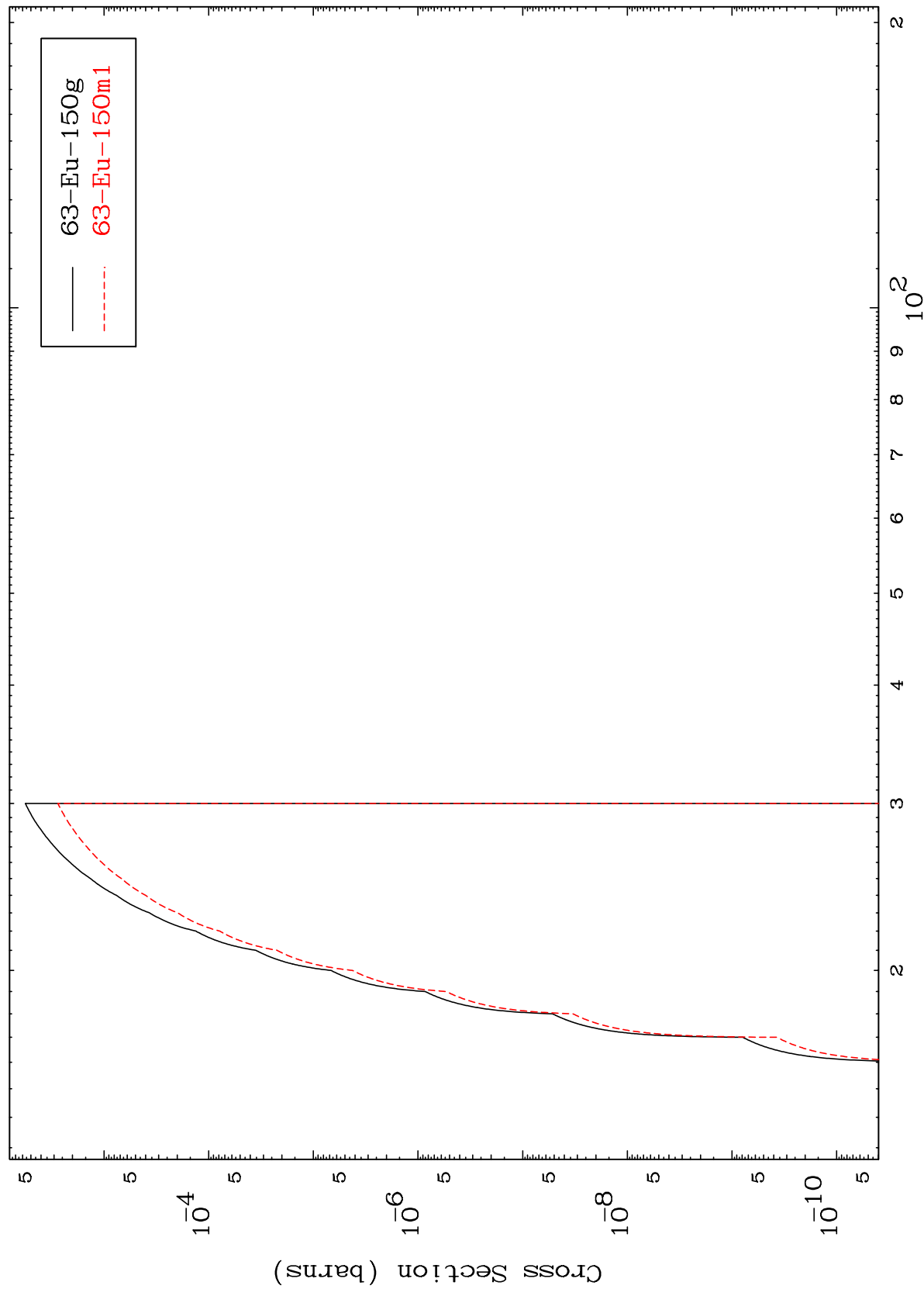
129







Radionuclide Production Cross Section

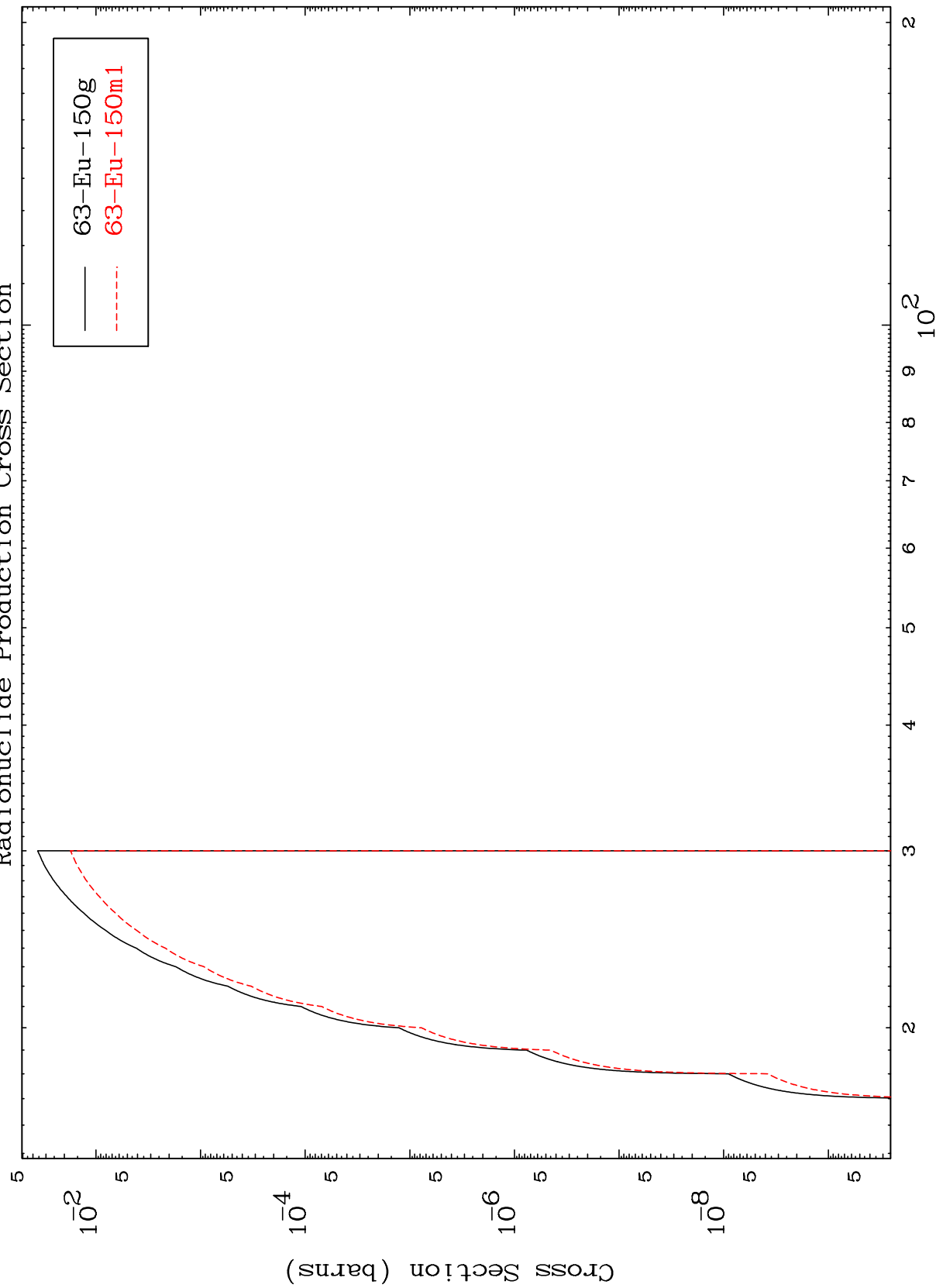


MAT 6425

(n,2n) p

64-Gd-152

Radionuclide Production Cross Section



134

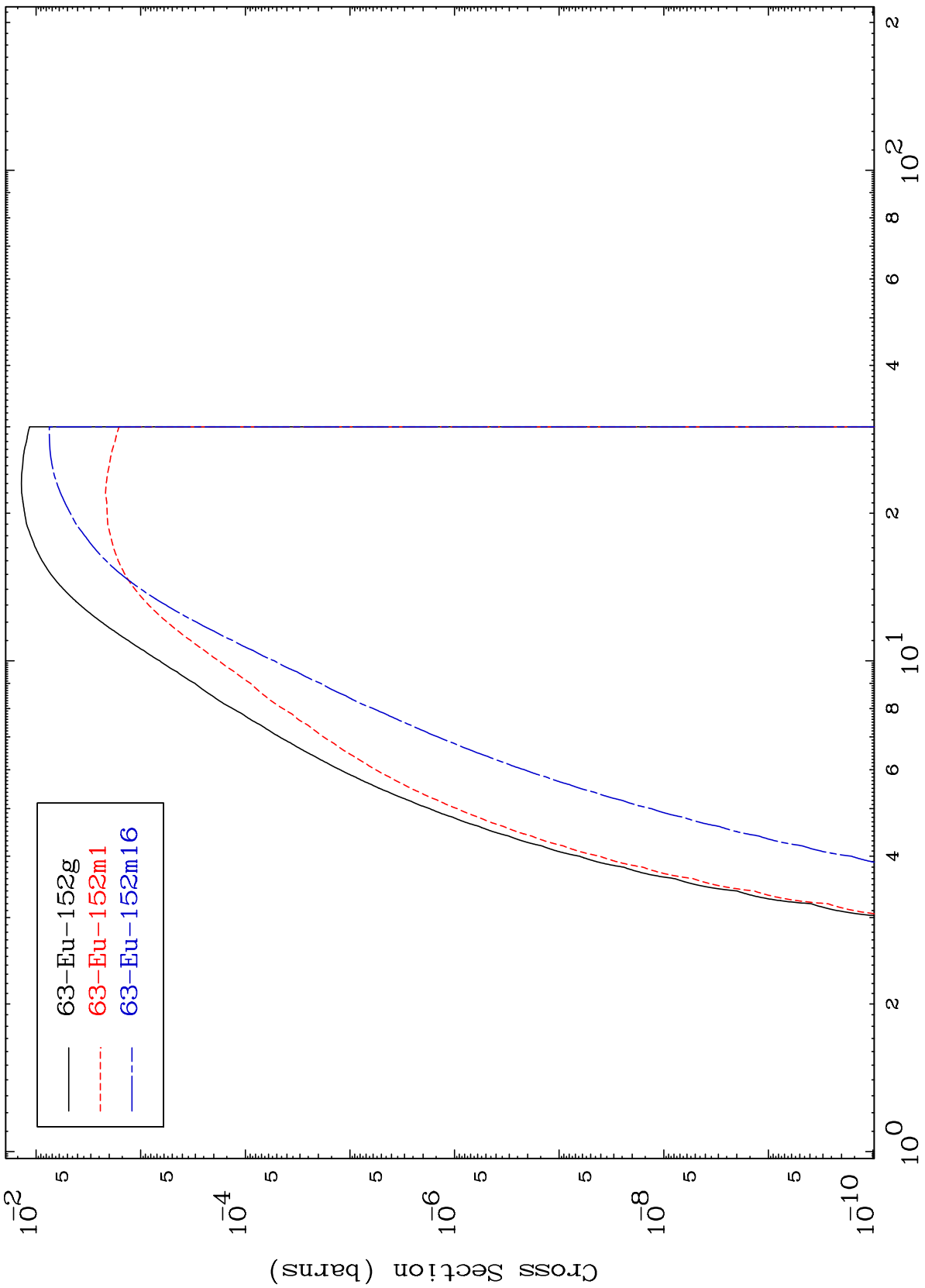
Incident Energy (MeV)

64-Gd-152

MAT 6425

64-Gd-152

(n,p)  
Radionuclide Production Cross Section



64-Gd-152

Incident Energy (MeV)

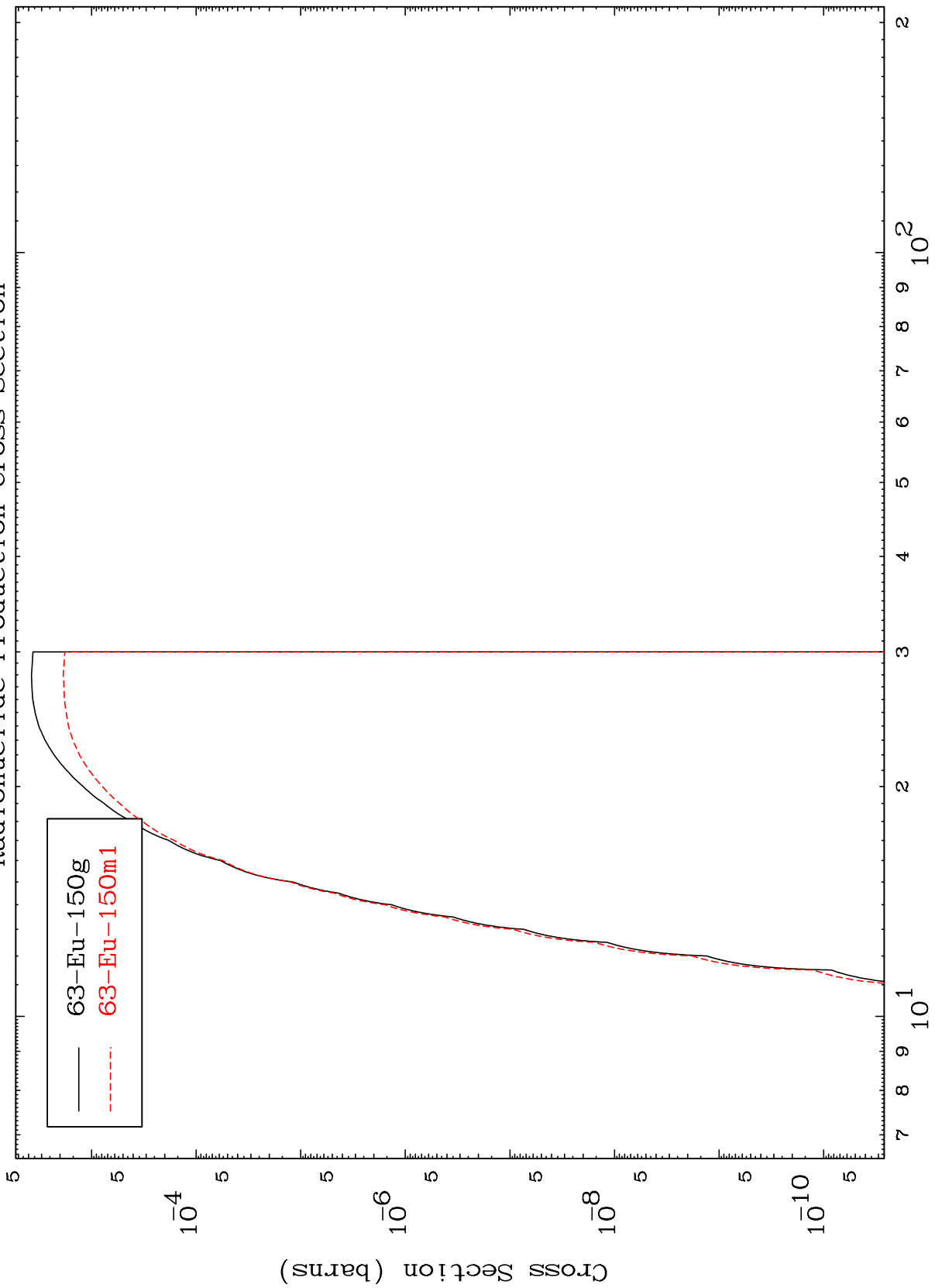
135



MAT 6425

64-Gd-152

(n, t)  
Radionuclide Production Cross Section



136

Incident Energy (MeV)

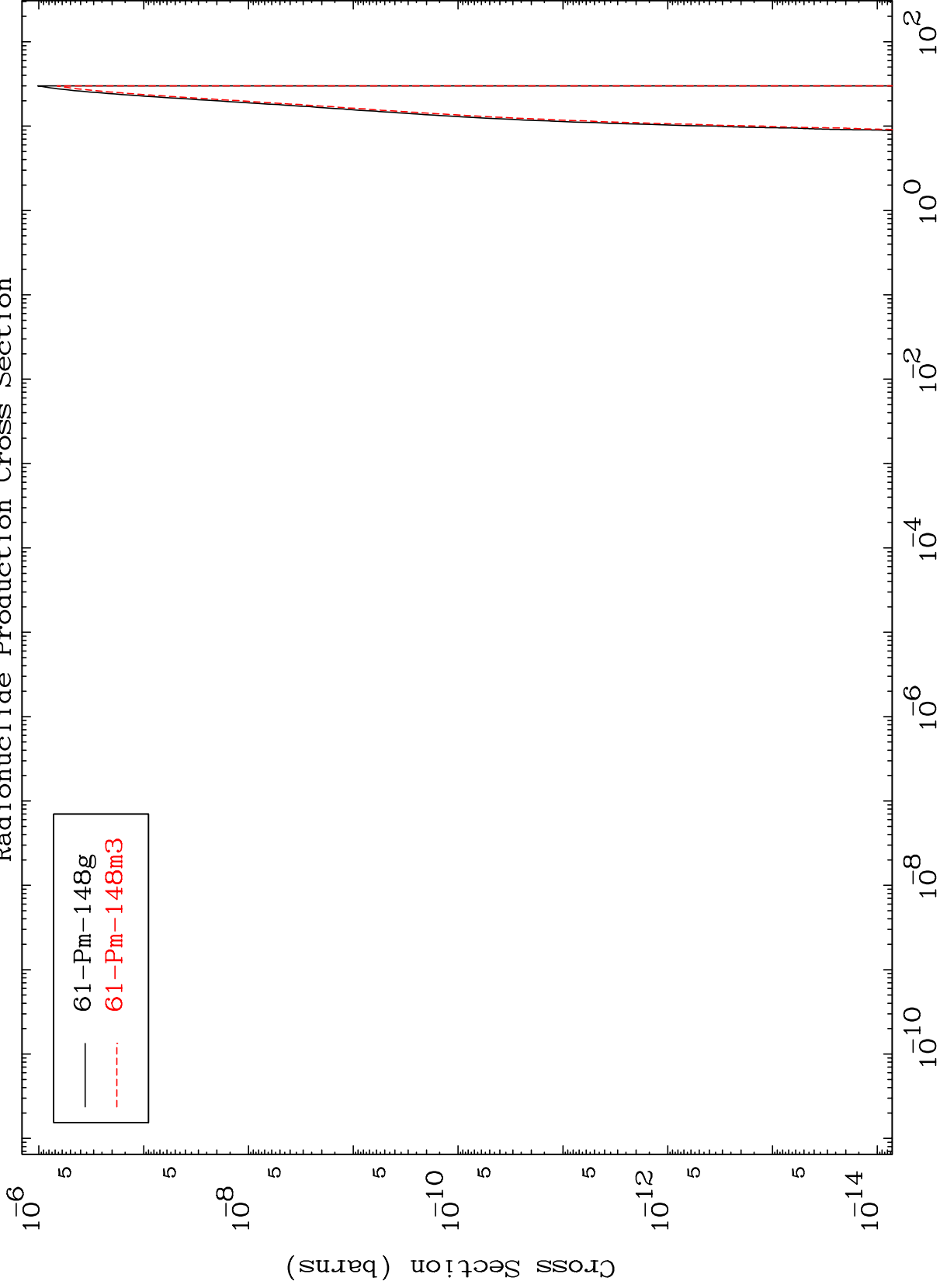
64-Gd-152

MAT 6425

(n,p)  $\alpha$

64-Gd-152

Radionuclide Production Cross Section



137

Incident Energy (MeV)

64-Gd-152