

Program EVALPLOT  
(Version 2015-2)

by

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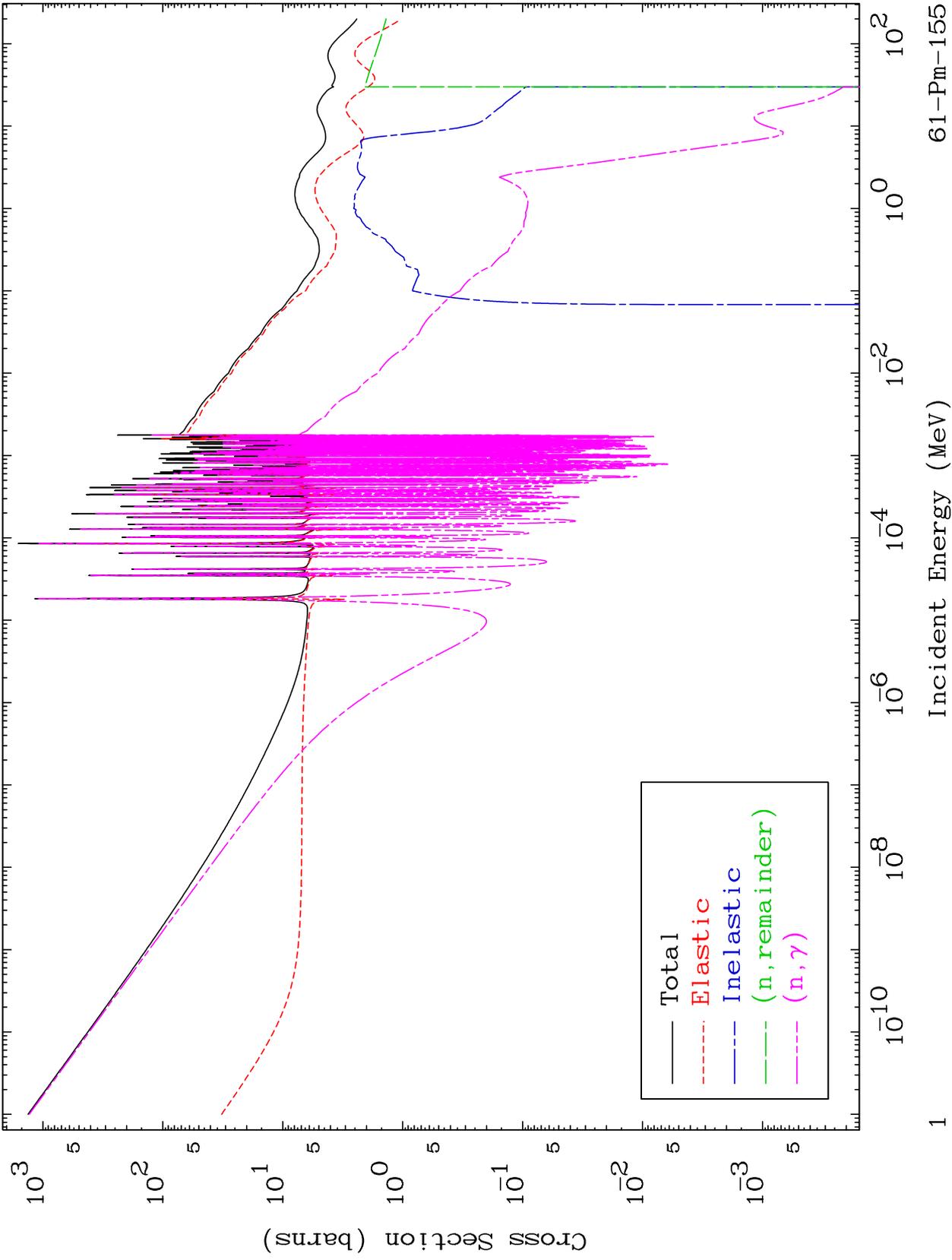
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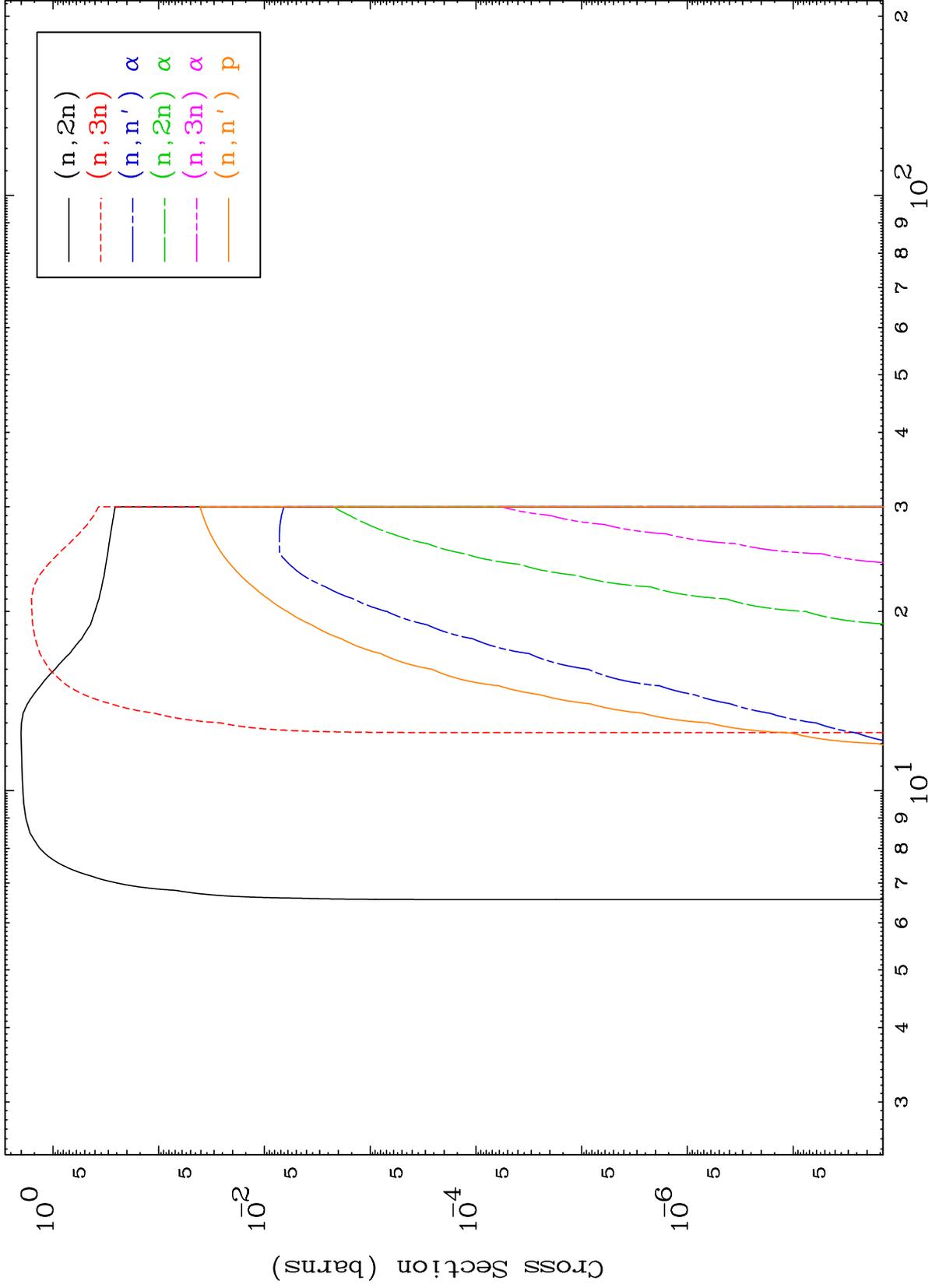
MAT 6173

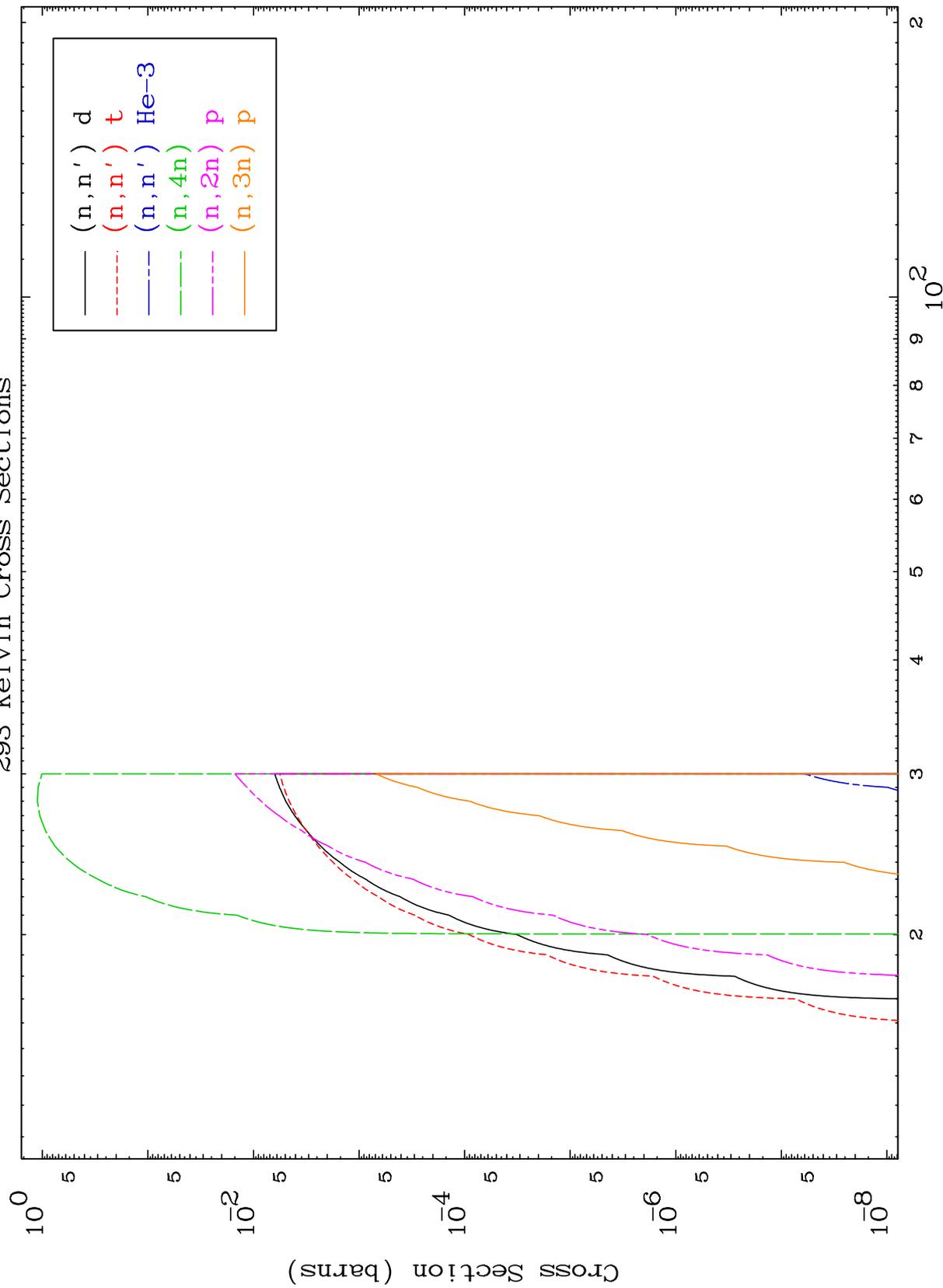
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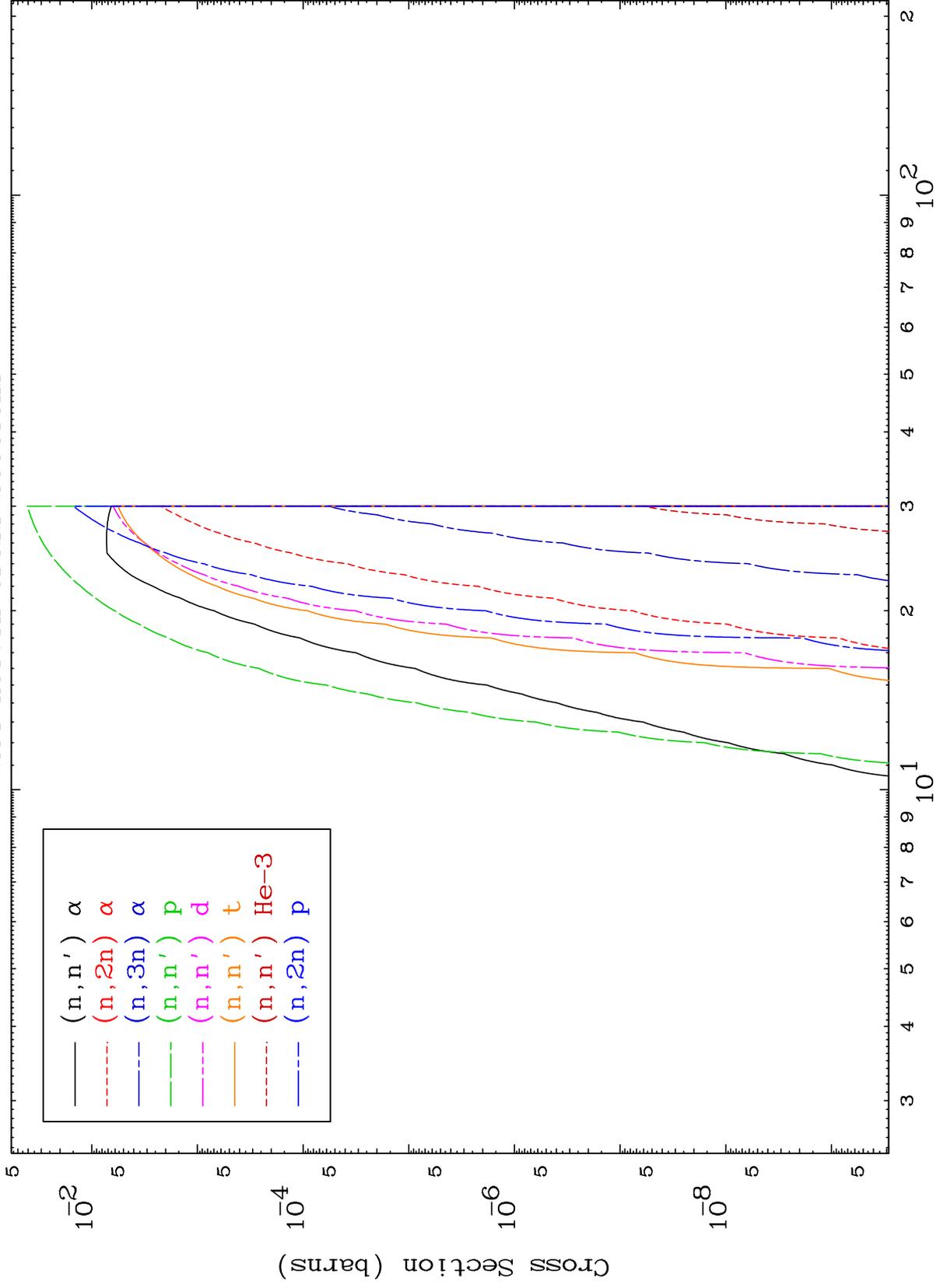
293 Kelvin Cross Sections

61-Pm-155





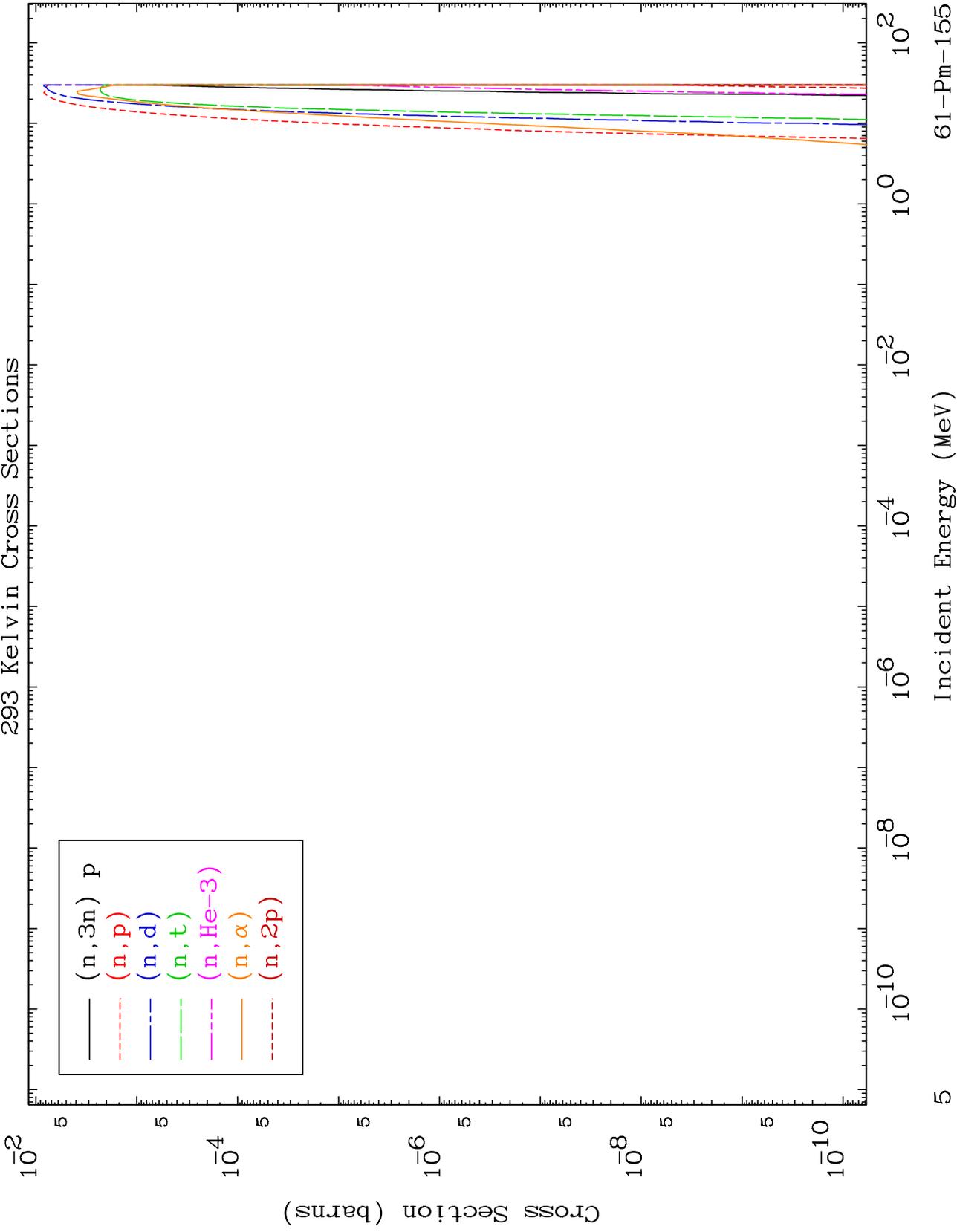




MAT 6173

Charged Particle  
293 Kelvin Cross Sections

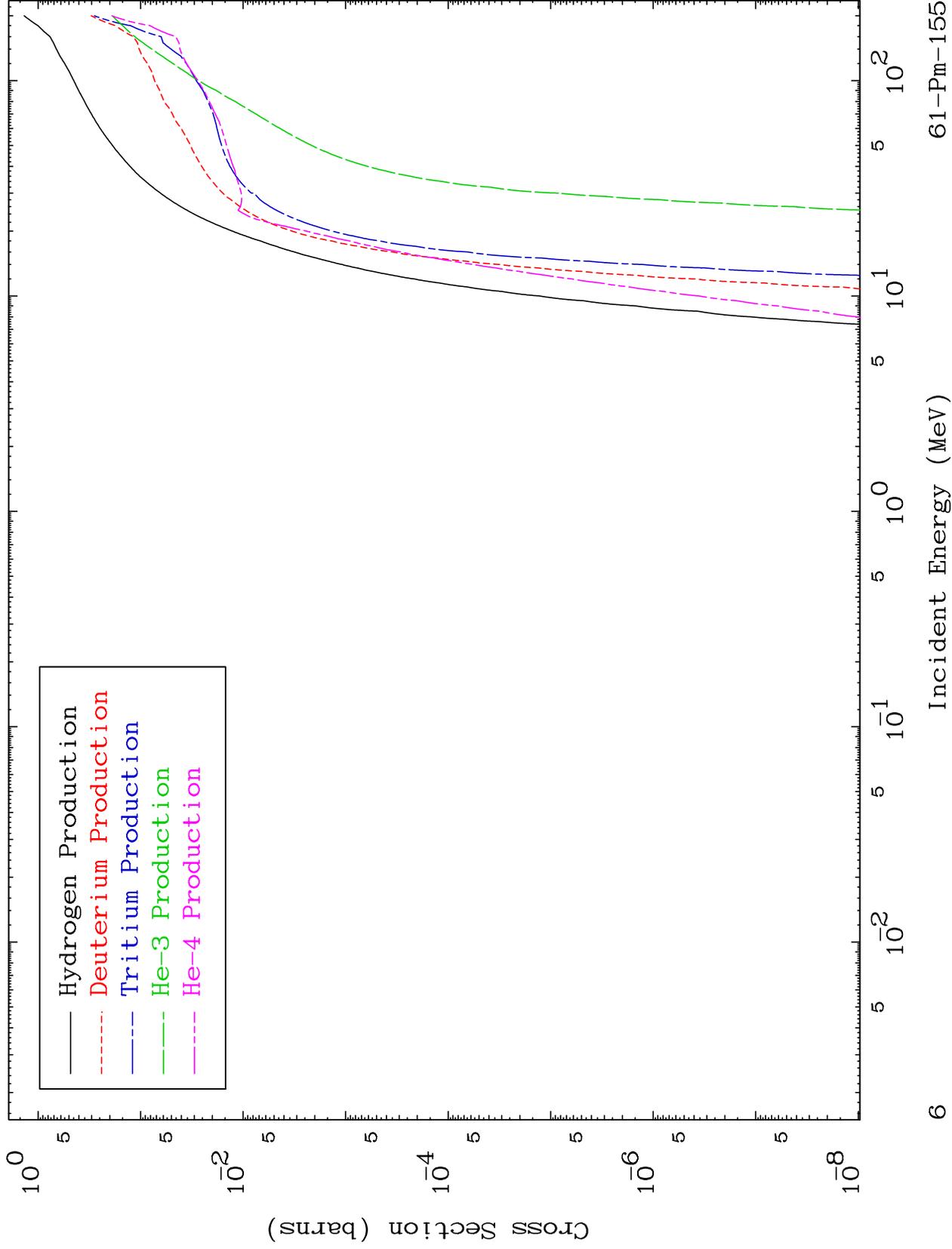
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MAT 6173

Particle Production  
293 Kelvin Cross Sections

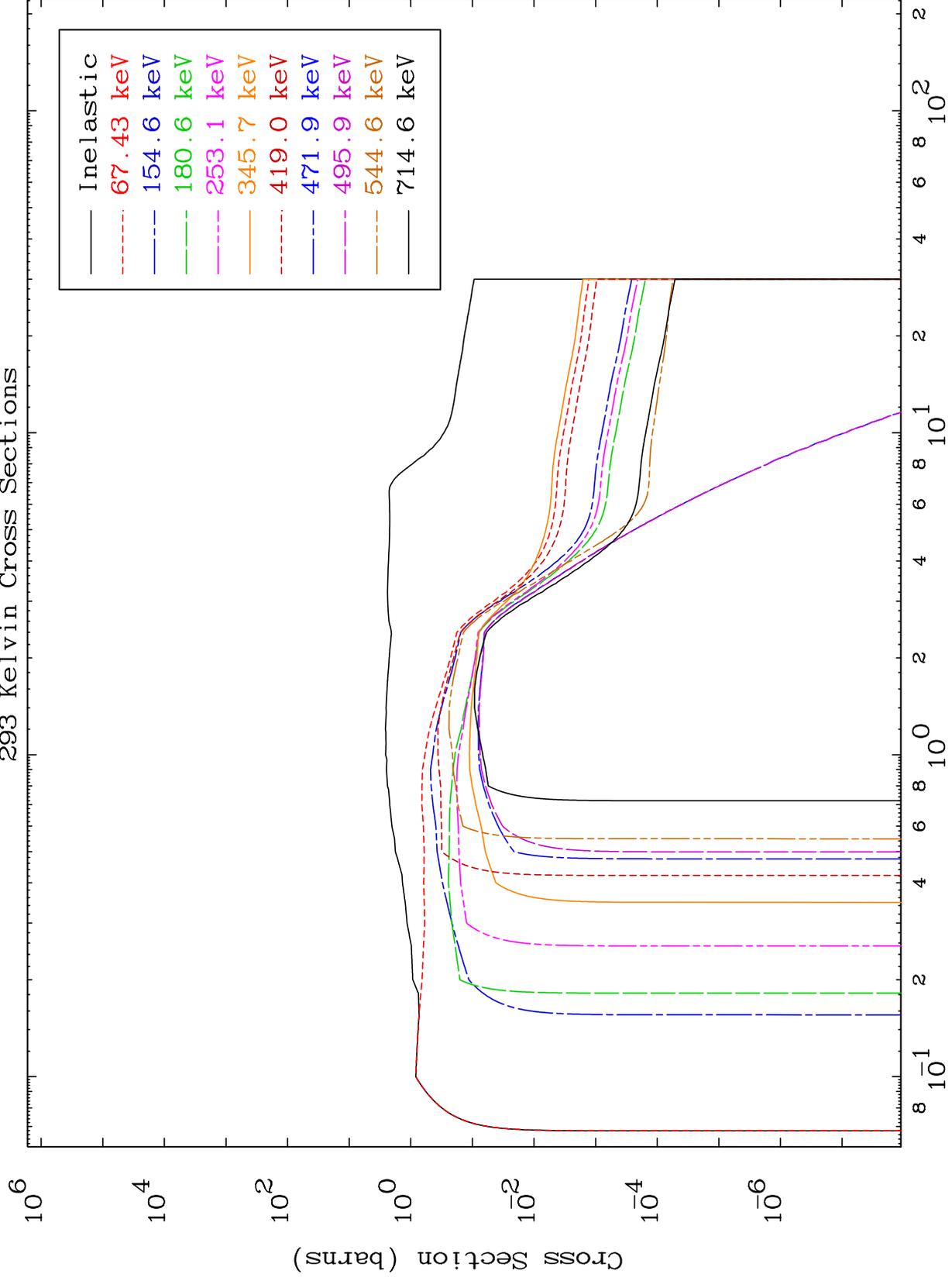
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MAT 6173

(n,n') Level  
293 Kelvin Cross Sections

61-Pm-155



7

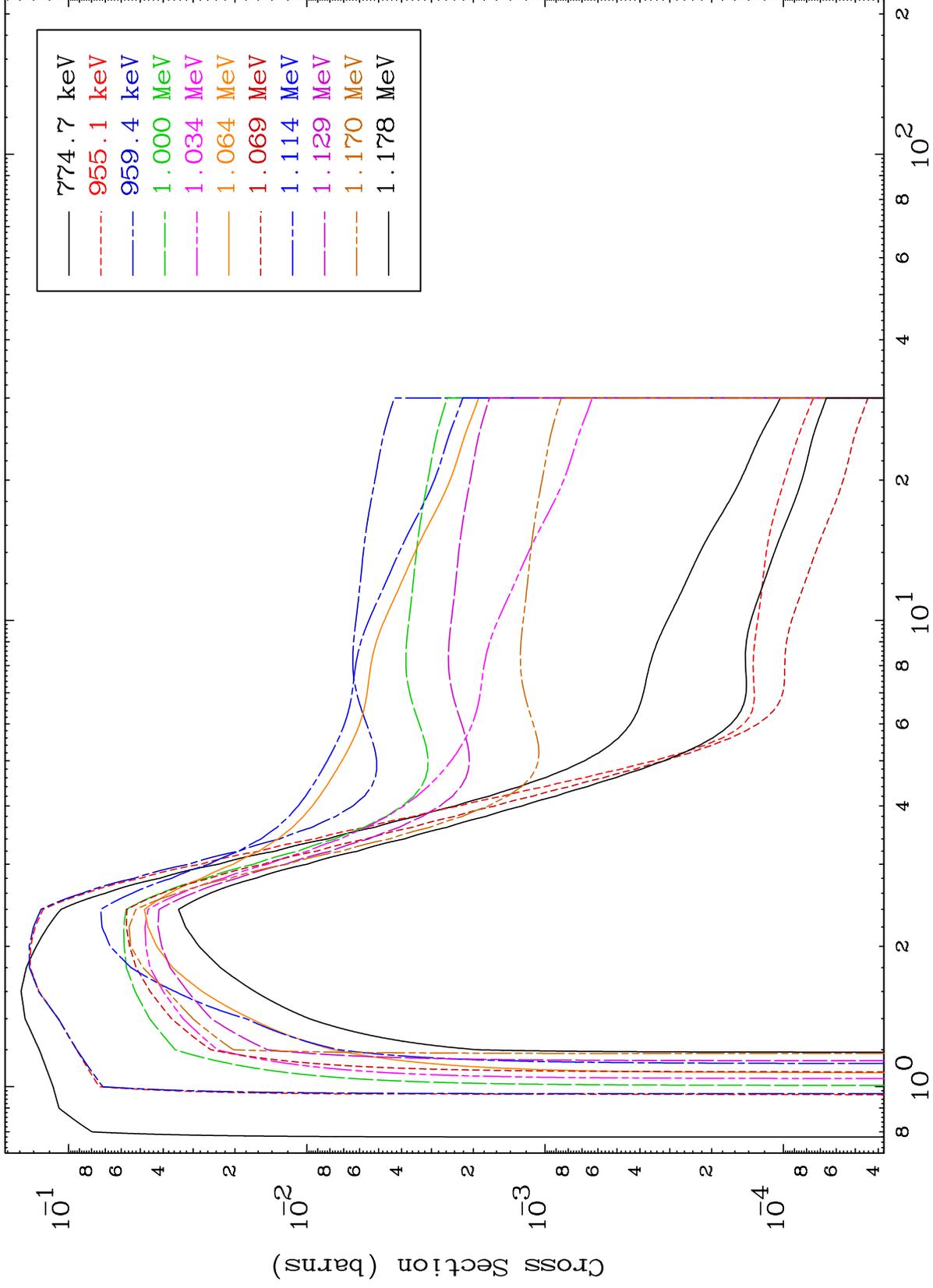
Incident Energy (MeV)

61-Pm-155

MAT 6173

(n,n') Level  
293 Kelvin Cross Sections

61-Pm-155



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Incident Energy (MeV)

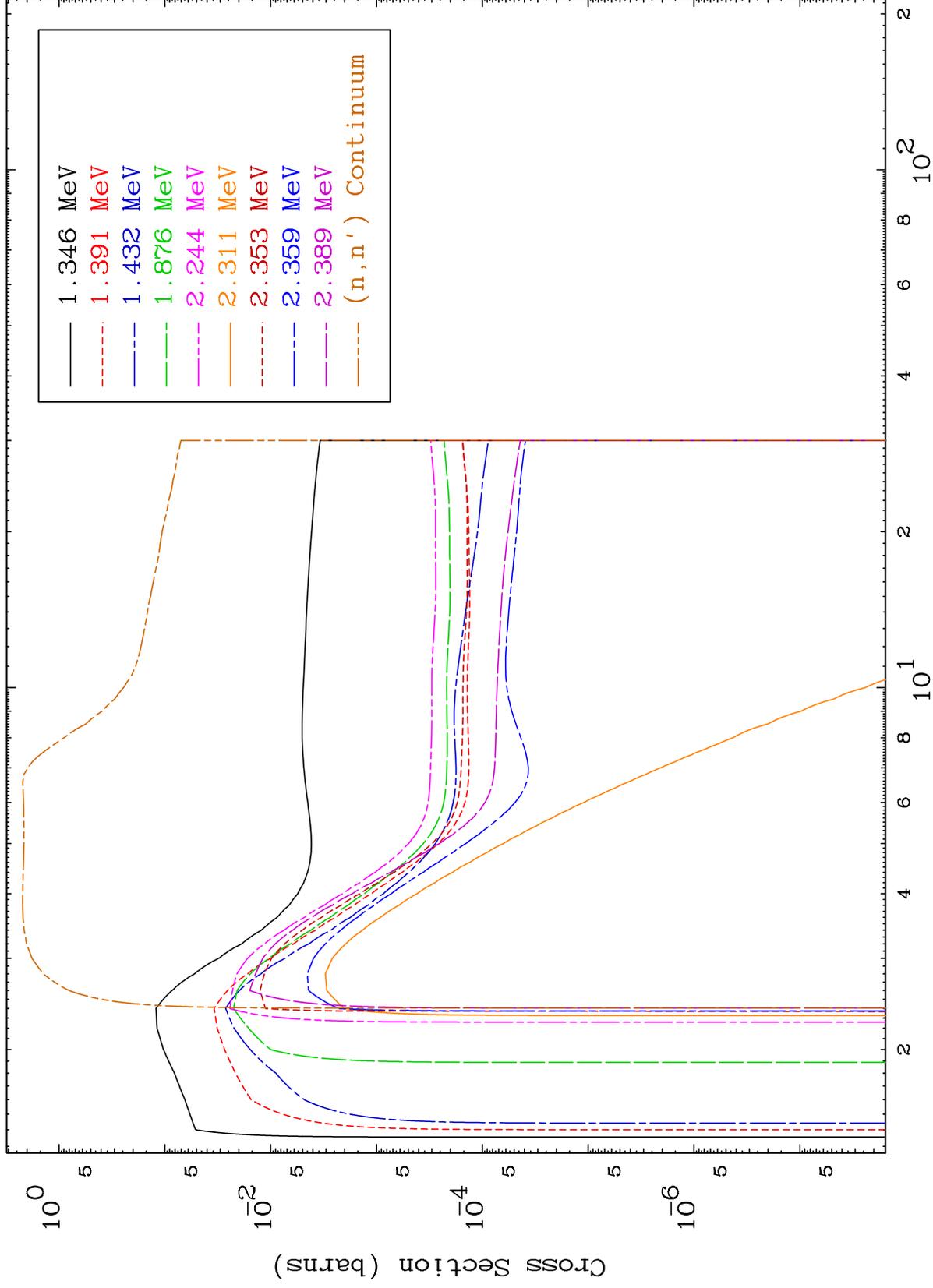
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MAT 6173

(n,n') Level

61-Pm-155

293 Kelvin Cross Sections



9

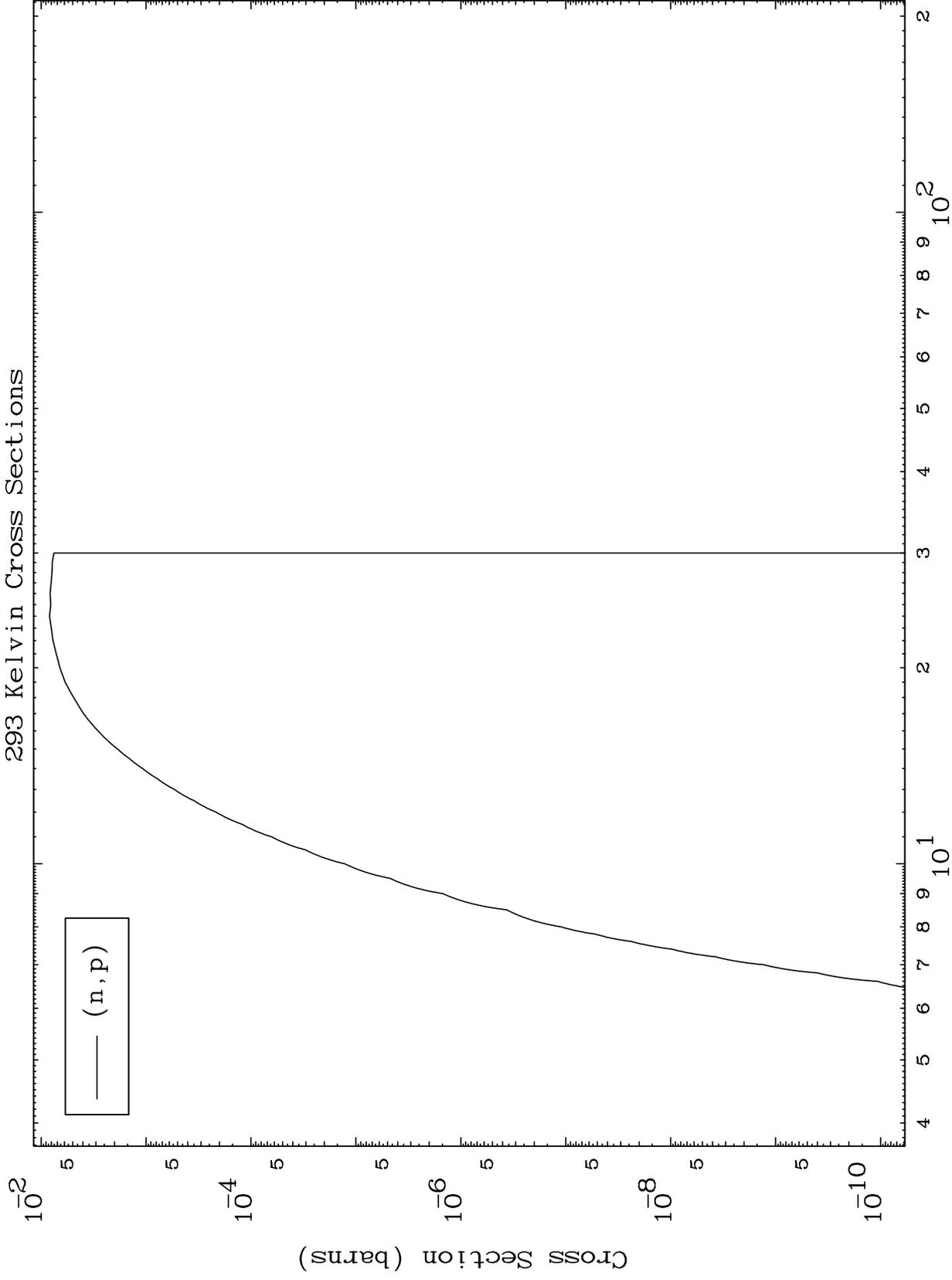
Incident Energy (MeV)

61-Pm-155

MAT 6173

(n,p) Levels  
293 Kelvin Cross Sections

61-Pm-155



61-Pm-155

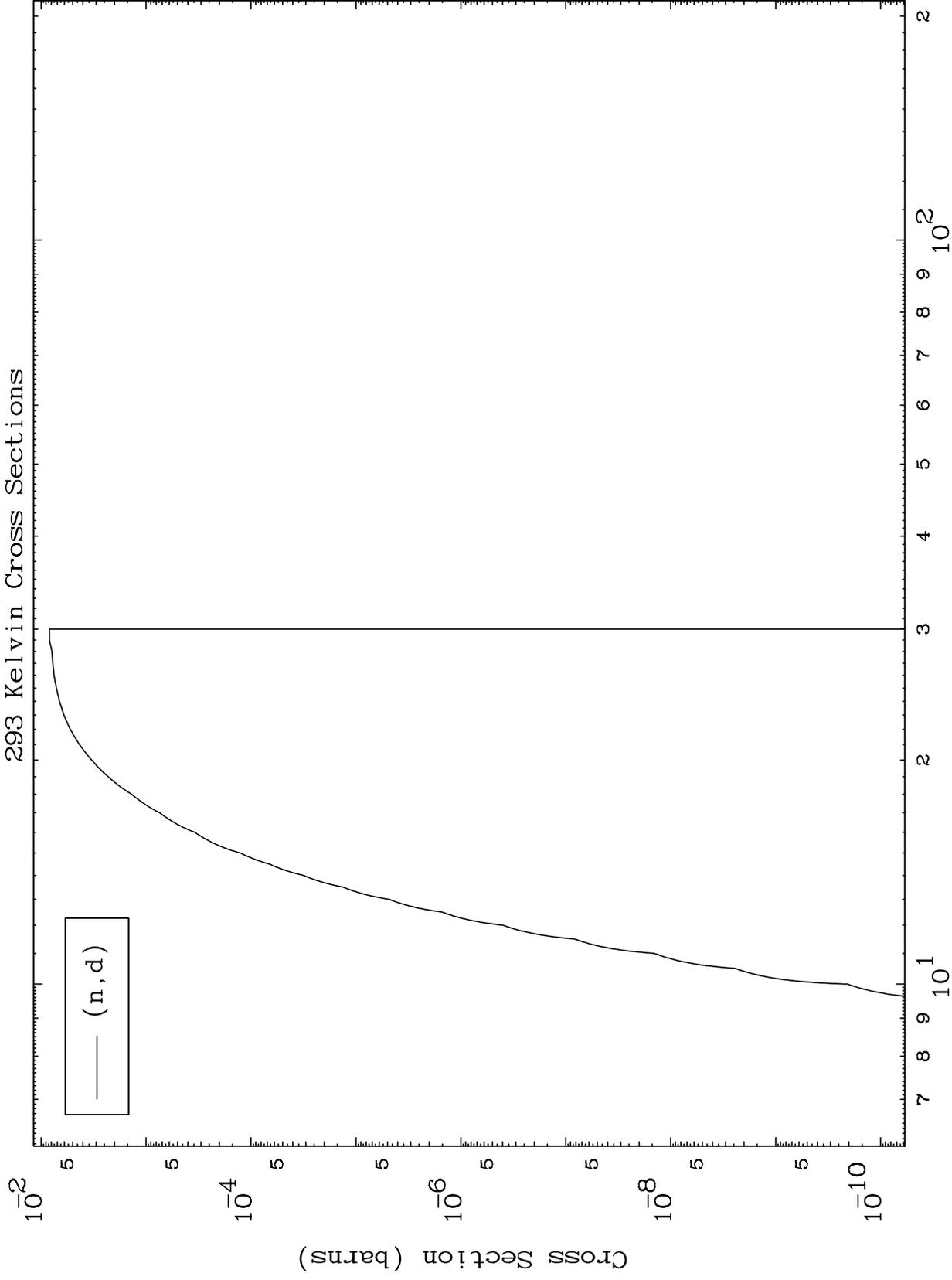
Incident Energy (MeV)

10

MAT 6173

(n,d) Levels  
293 Kelvin Cross Sections

61-Pm-155



11

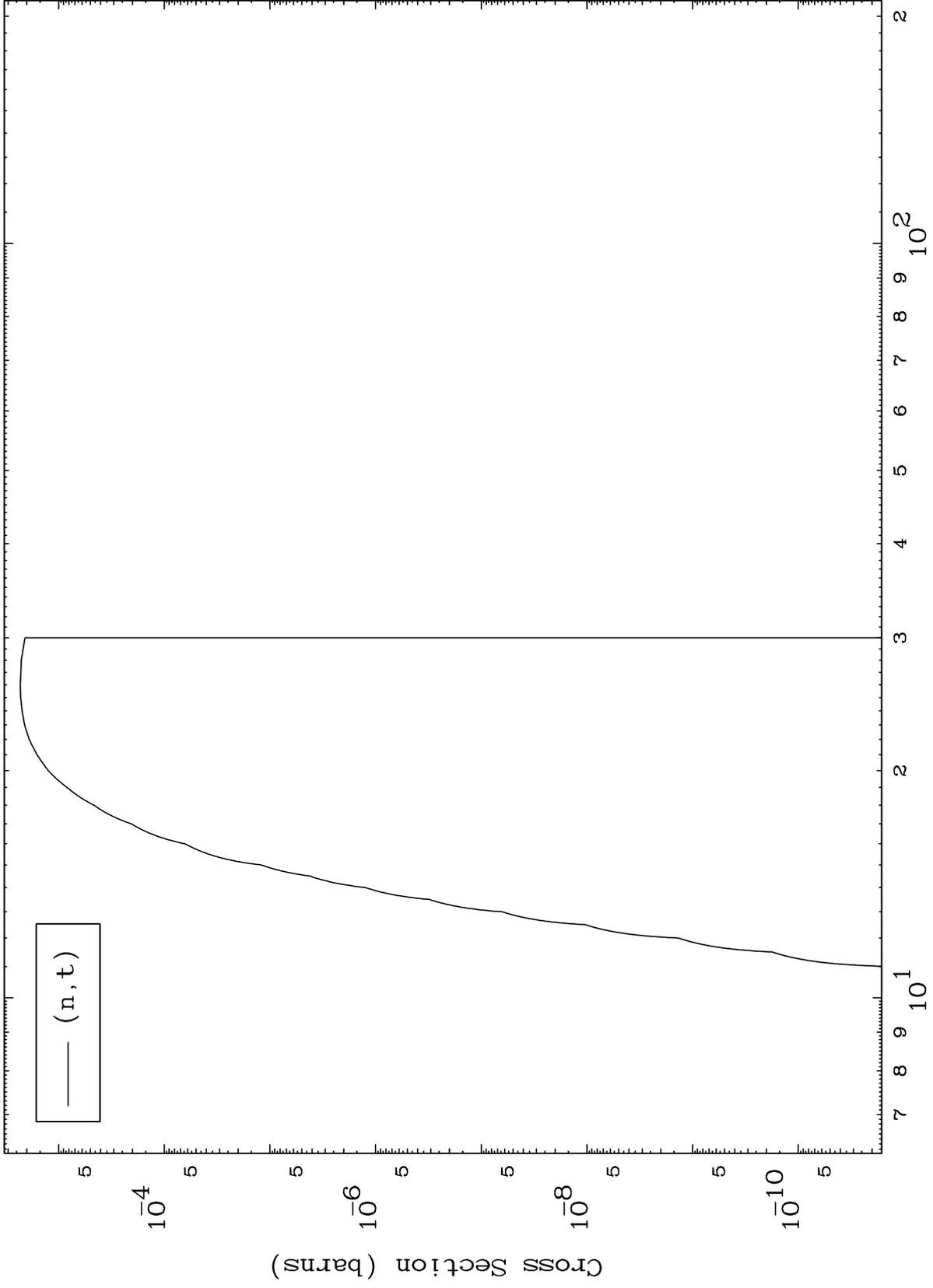
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61-Pm-155

MAT 6173

(n,t) Levels  
293 Kelvin Cross Sections

61-Pm-155



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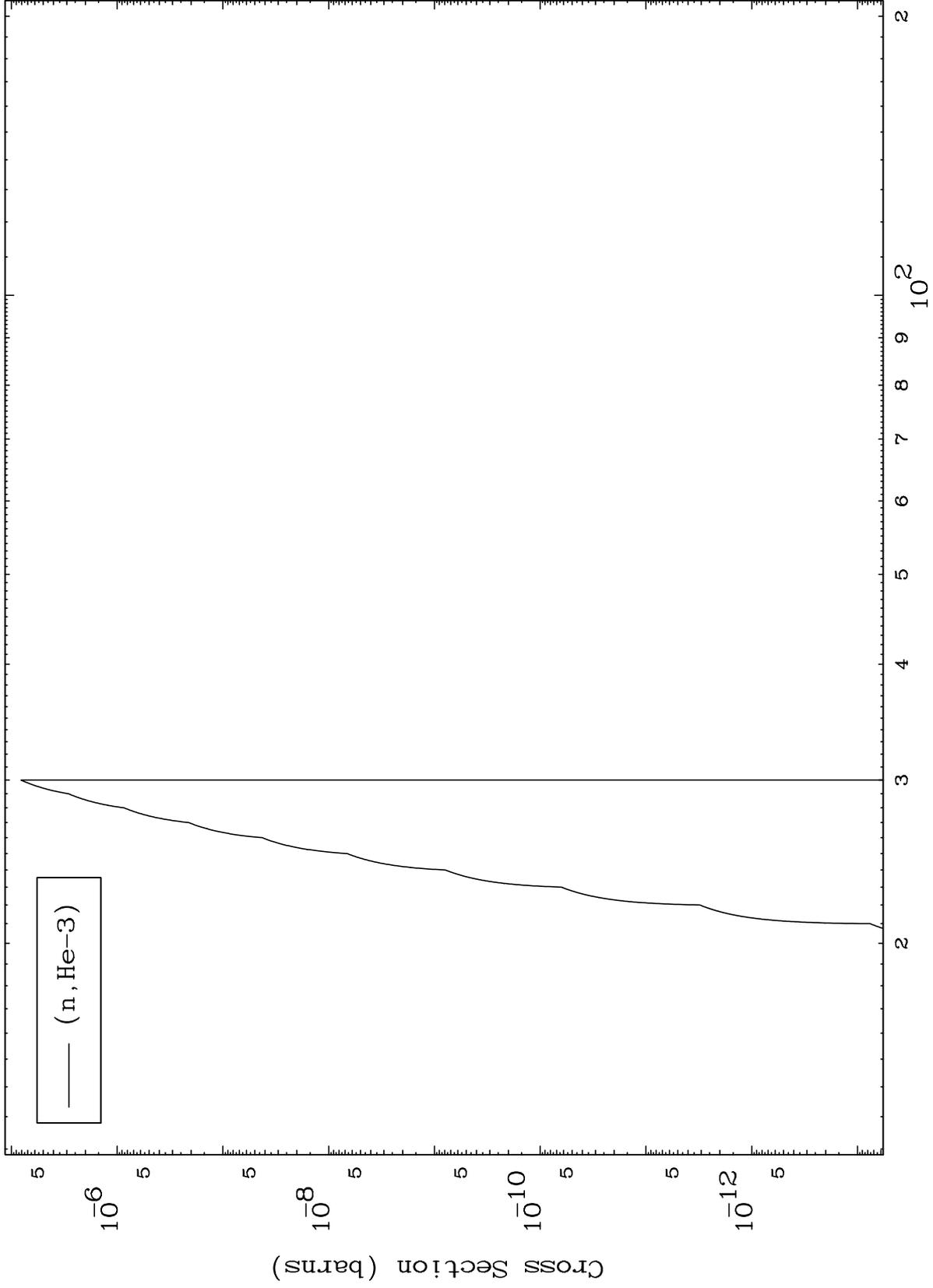
Incident Energy (MeV)

61-Pm-155

MAT 6173

(n,He3) Levels  
293 Kelvin Cross Sections

61-Pm-155



13

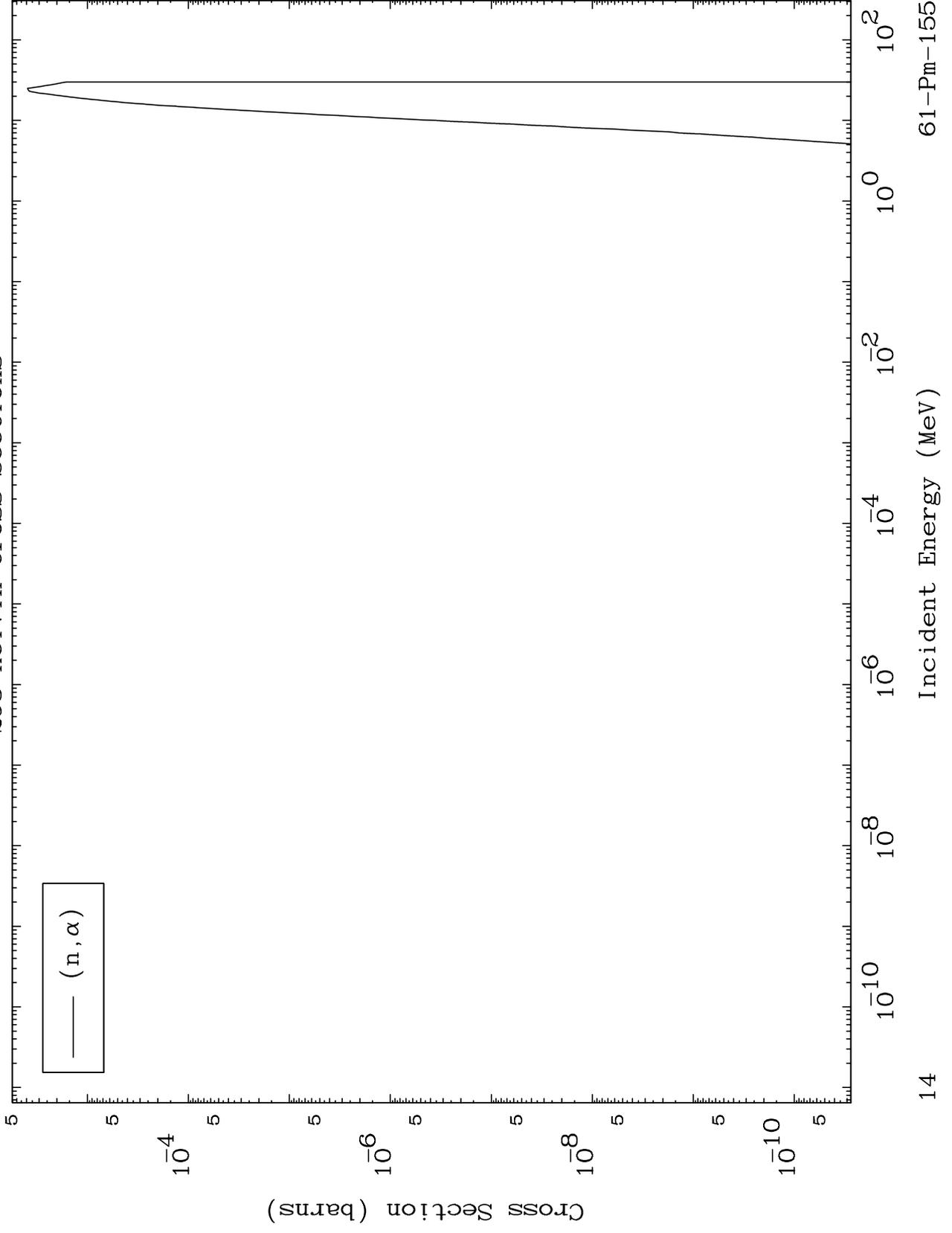
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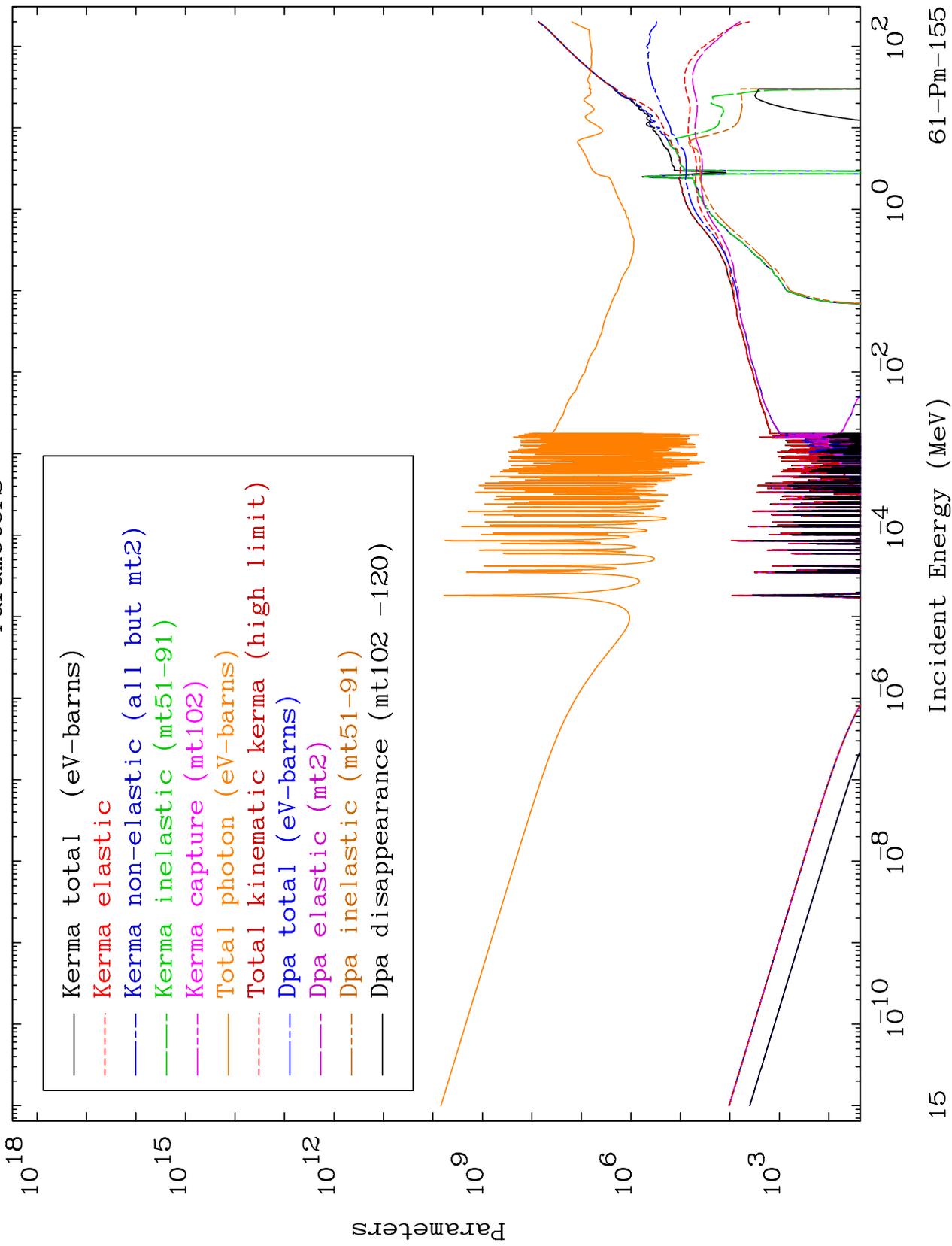
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MAT 6173

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

61-Pm-155

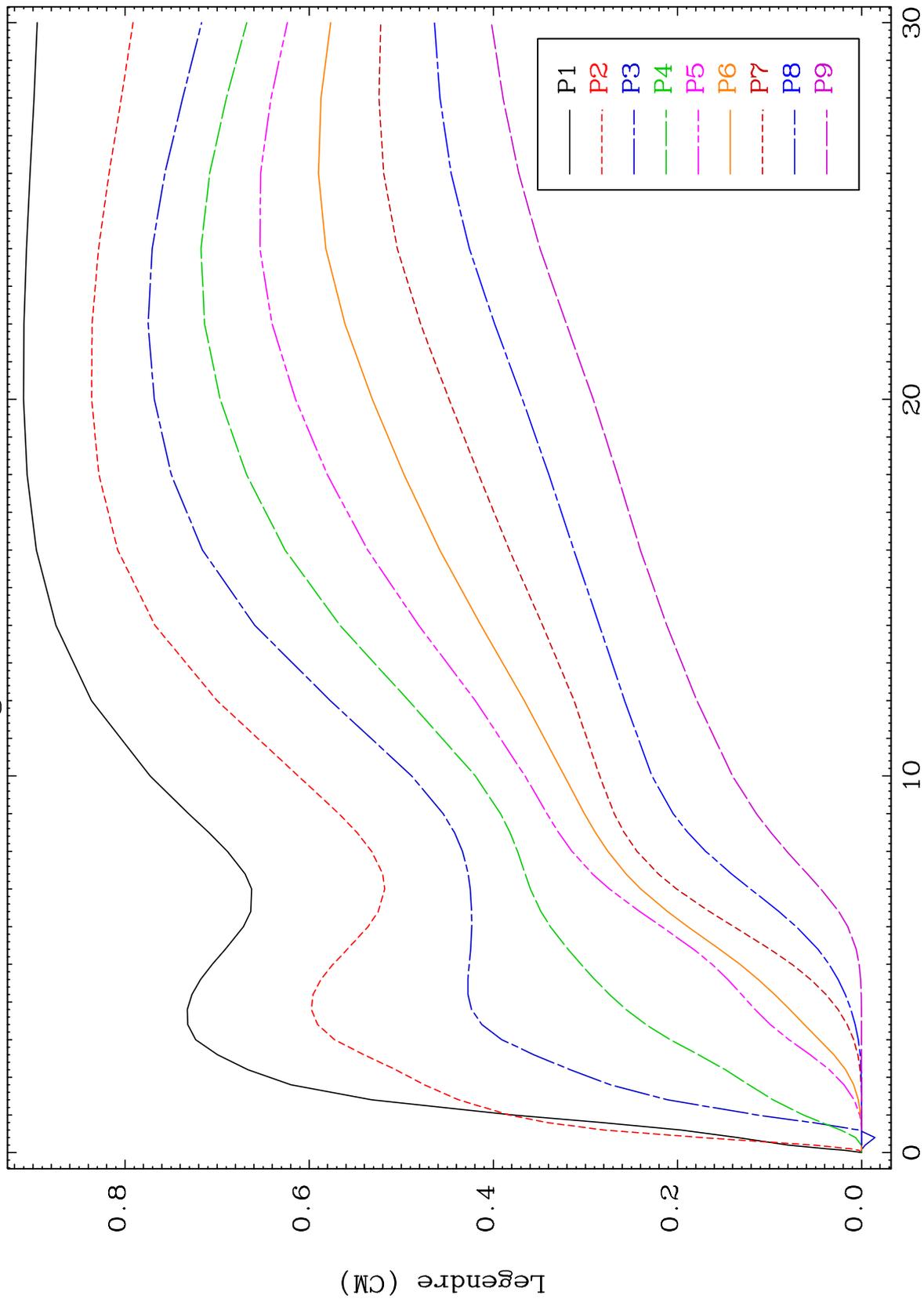




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Elastic Legendre Coefficients

61-Pm-155



16

Incident Energy (MeV)

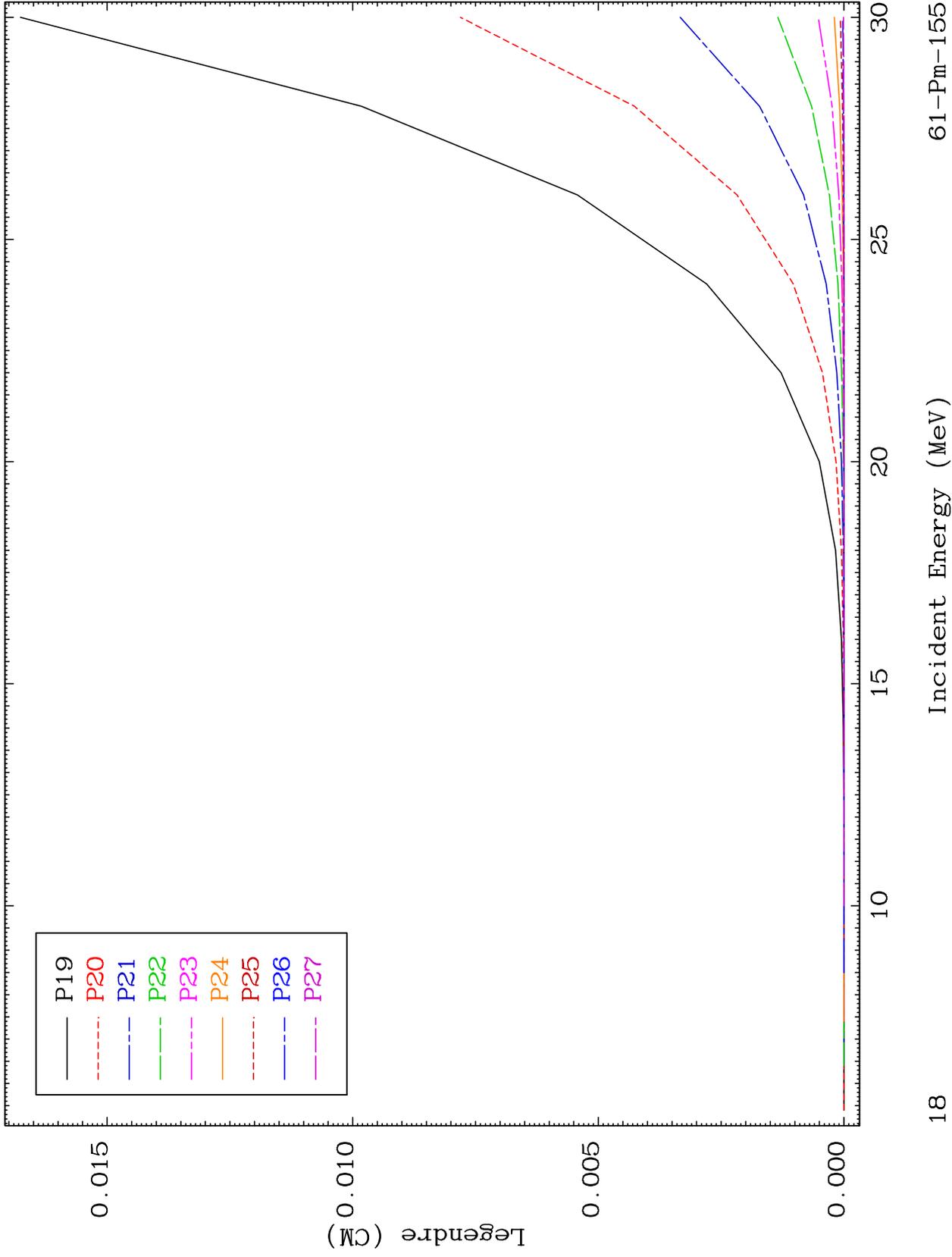
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MAT 6173

Elastic Legendre Coefficients

61-Pm-155



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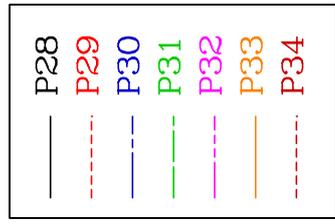
Incident Energy (MeV)

61-Pm-155

MAT 6173

Elastic Legendre Coefficients

61-Pm-155



$\times 10^{-6.5}$

Legendre (CM)

10

15

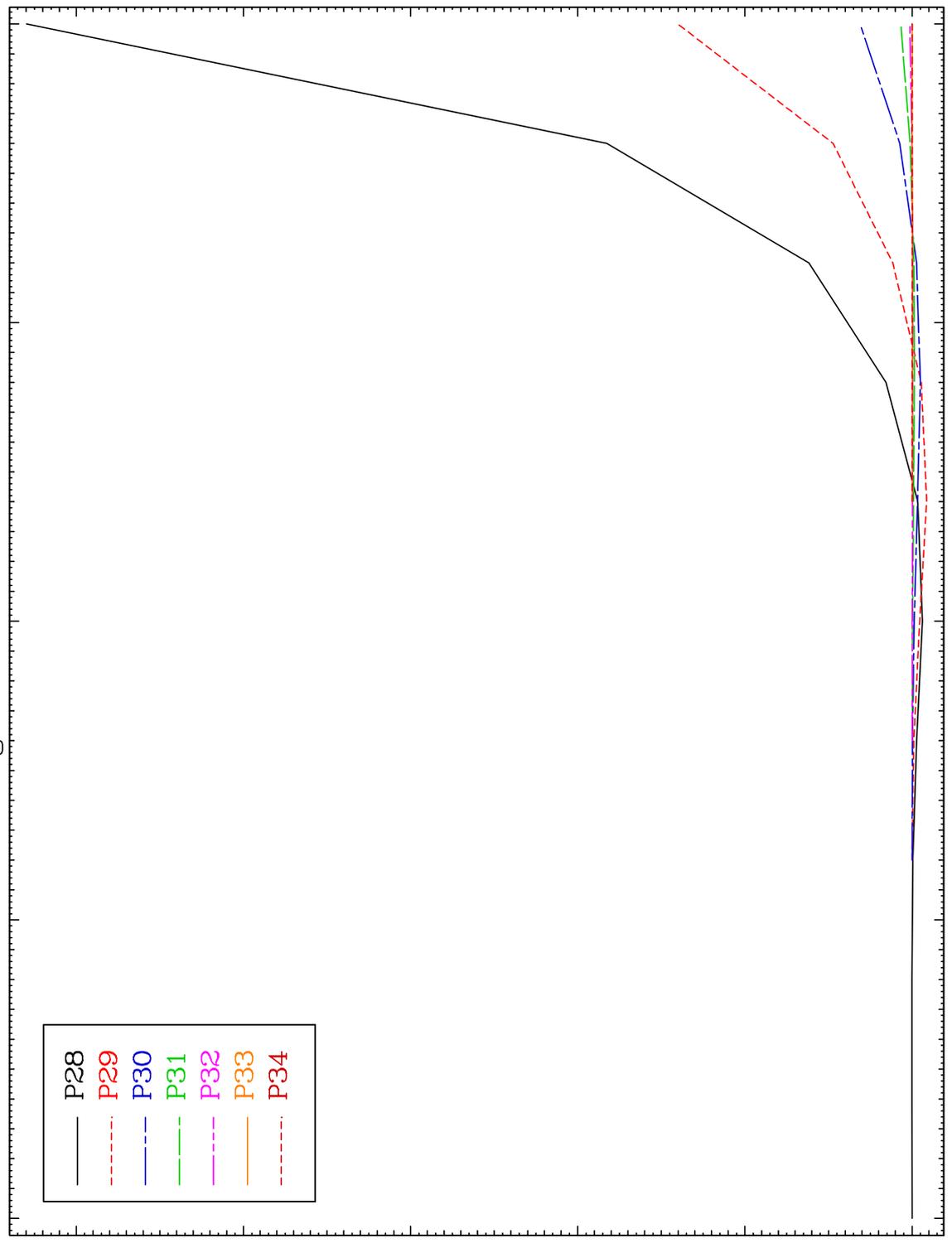
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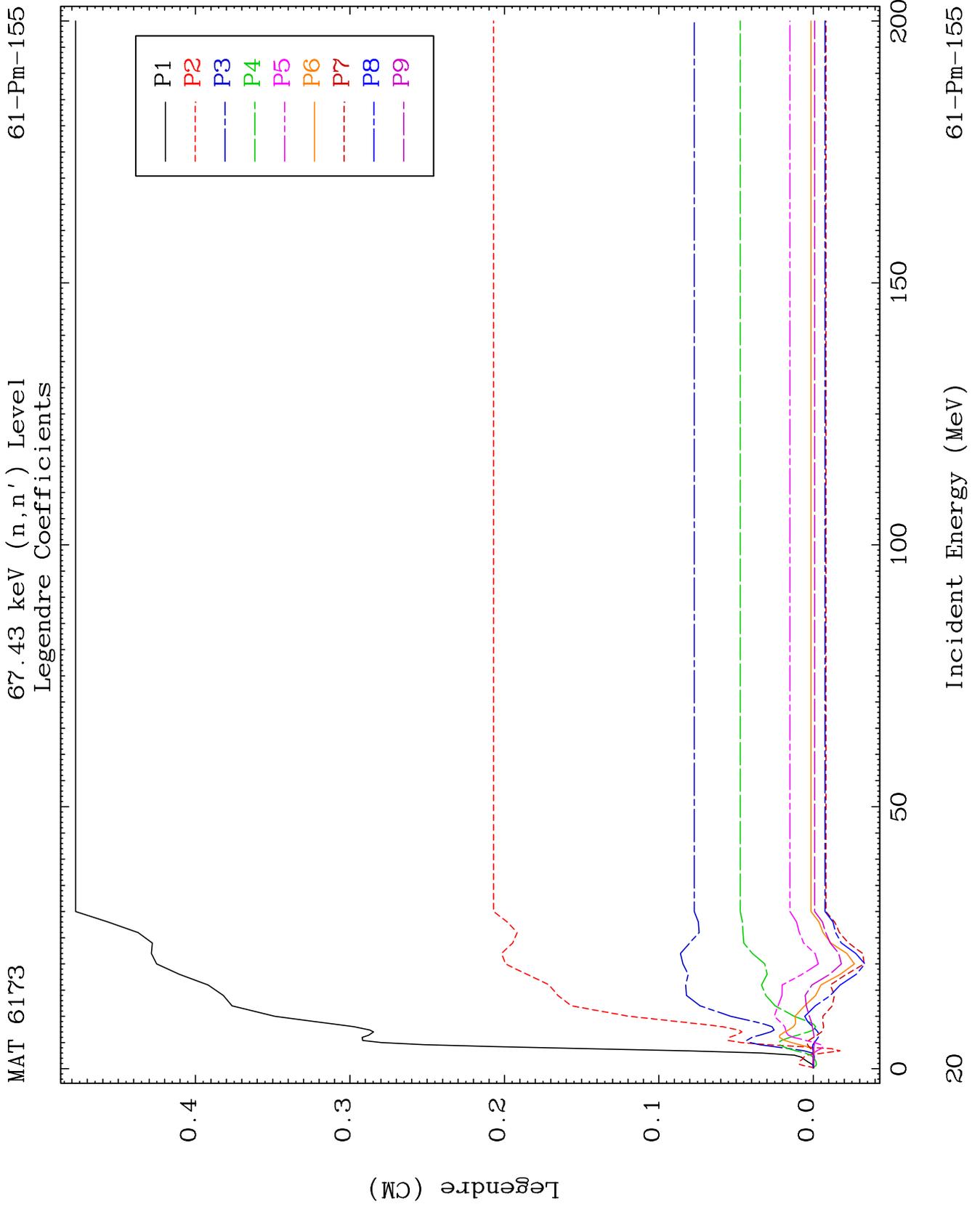
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30

Incident Energy (MeV)

61-Pm-155

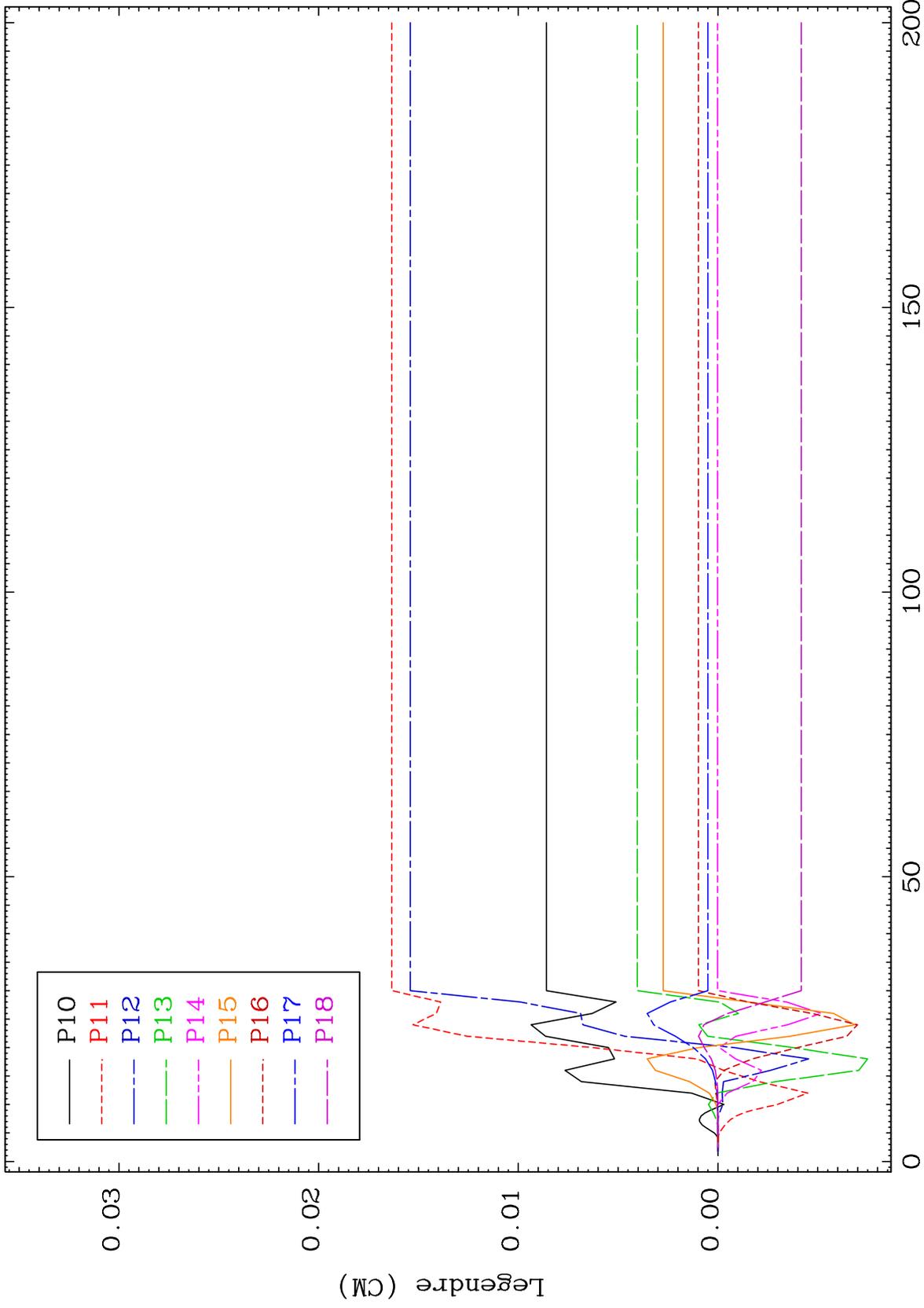




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67.43 keV (n,n') Level  
Legendre Coefficients

61-Pm-155



21

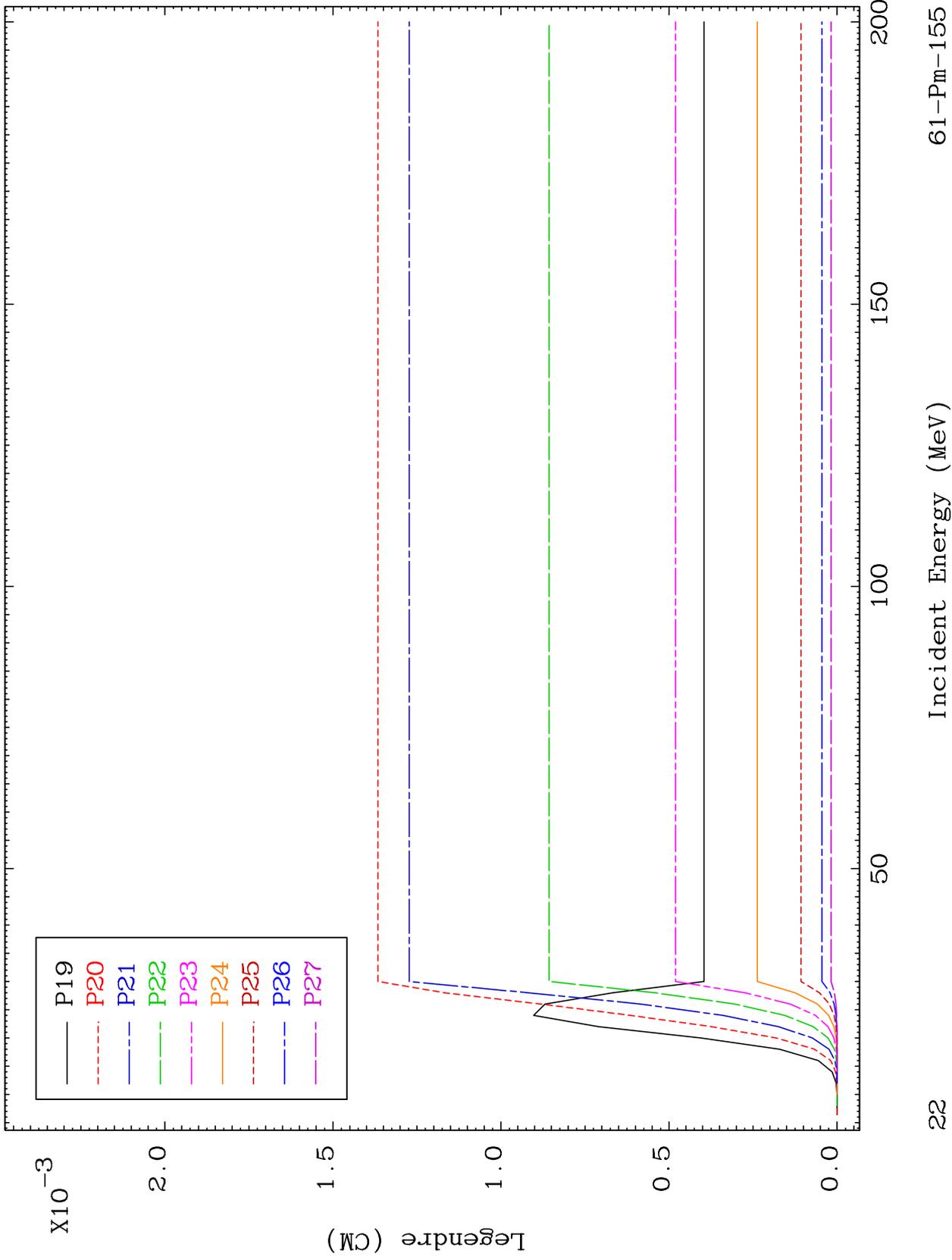
Incident Energy (MeV)

61-Pm-155

MAT 6173

67.43 keV (n,n') Level  
Legendre Coefficients

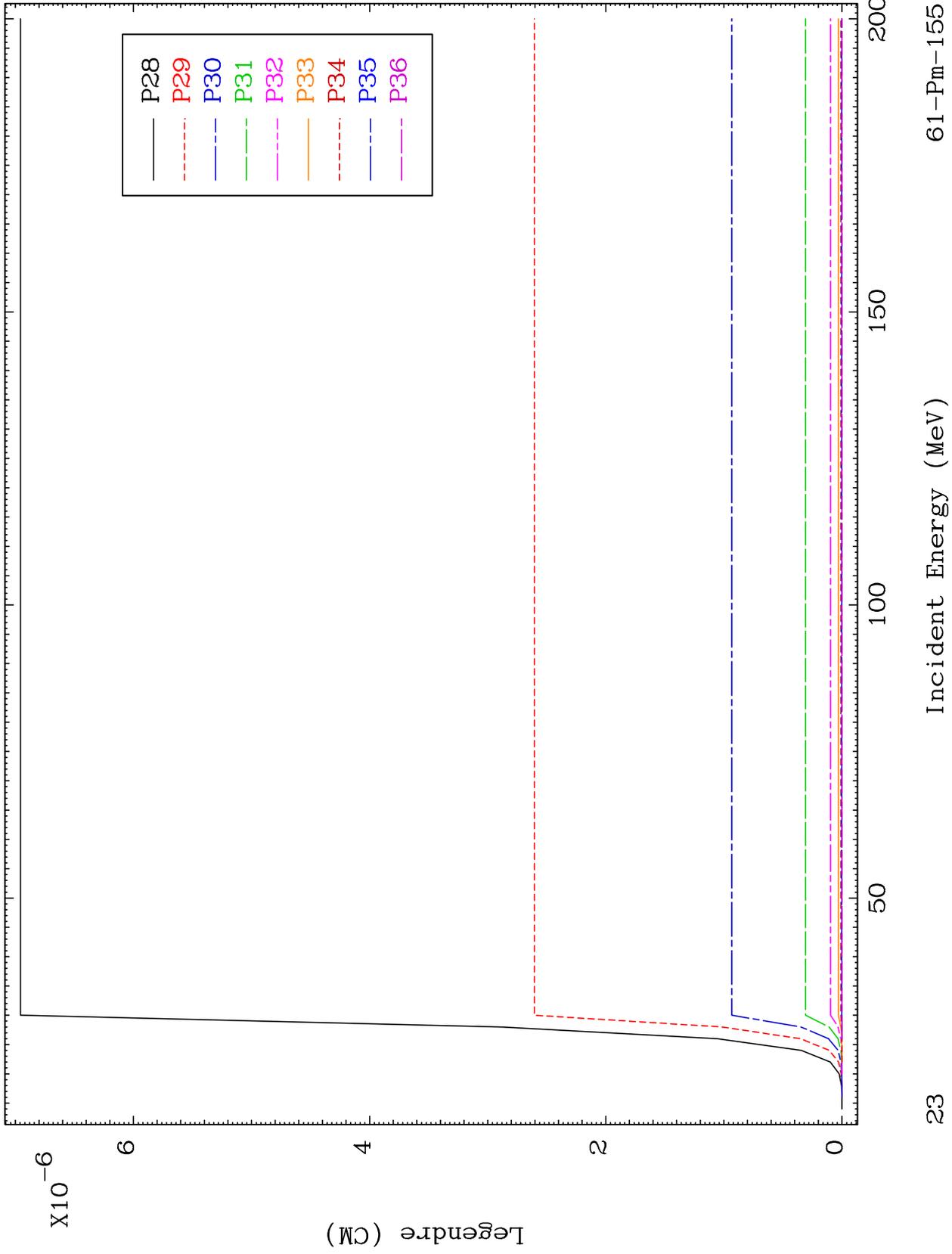
61-Pm-155



MAT 6173

67.43 keV (n,n') Level  
Legendre Coefficients

61-Pm-155



23

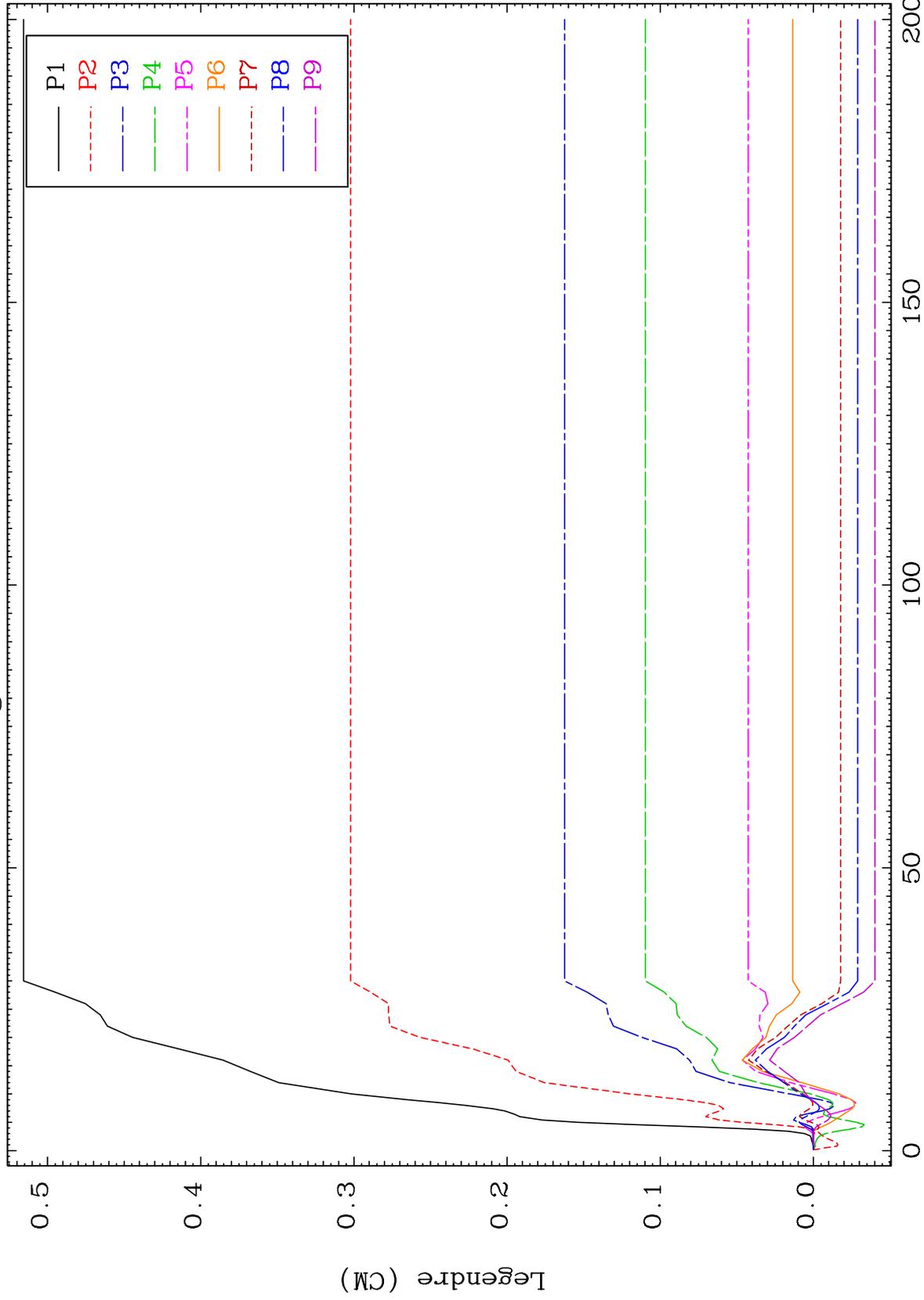
Incident Energy (MeV)

61-Pm-155

MAT 6173

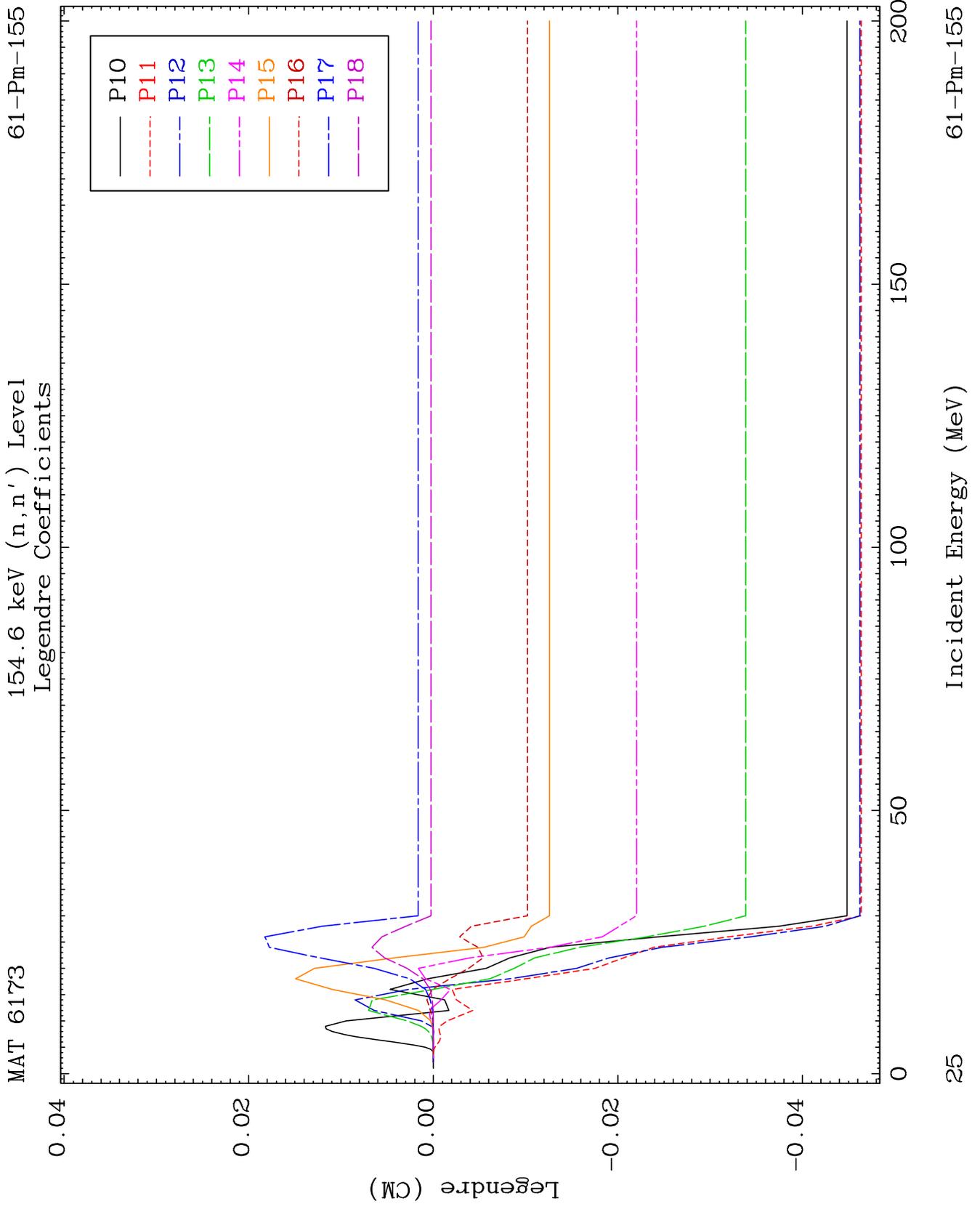
154.6 keV (n, n') Level  
Legendre Coefficients

61-Pm-155



24

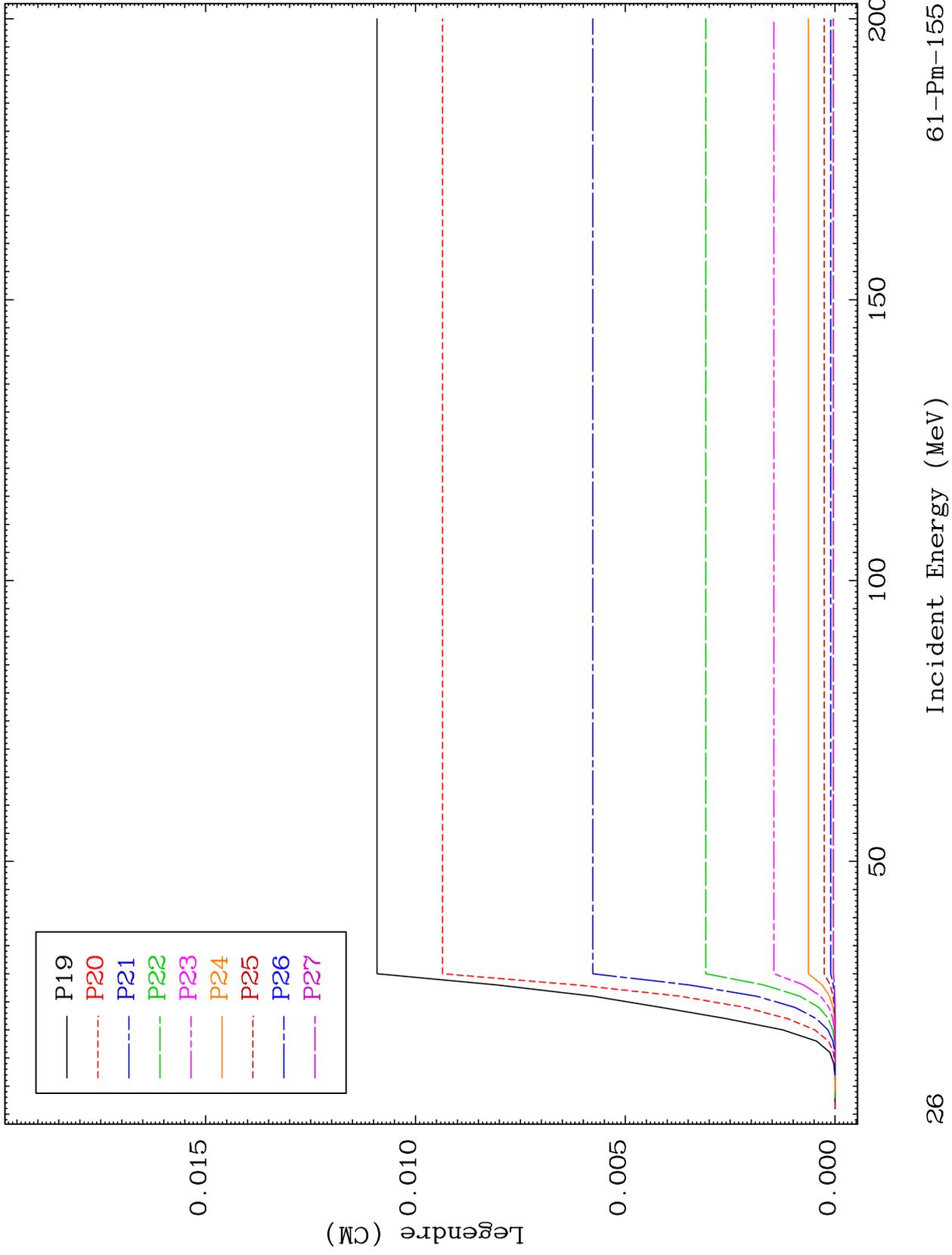
61-Pm-155



MAT 6173

154.6 keV (n,n') Level  
Legendre Coefficients

61-Pm-155



61-Pm-155

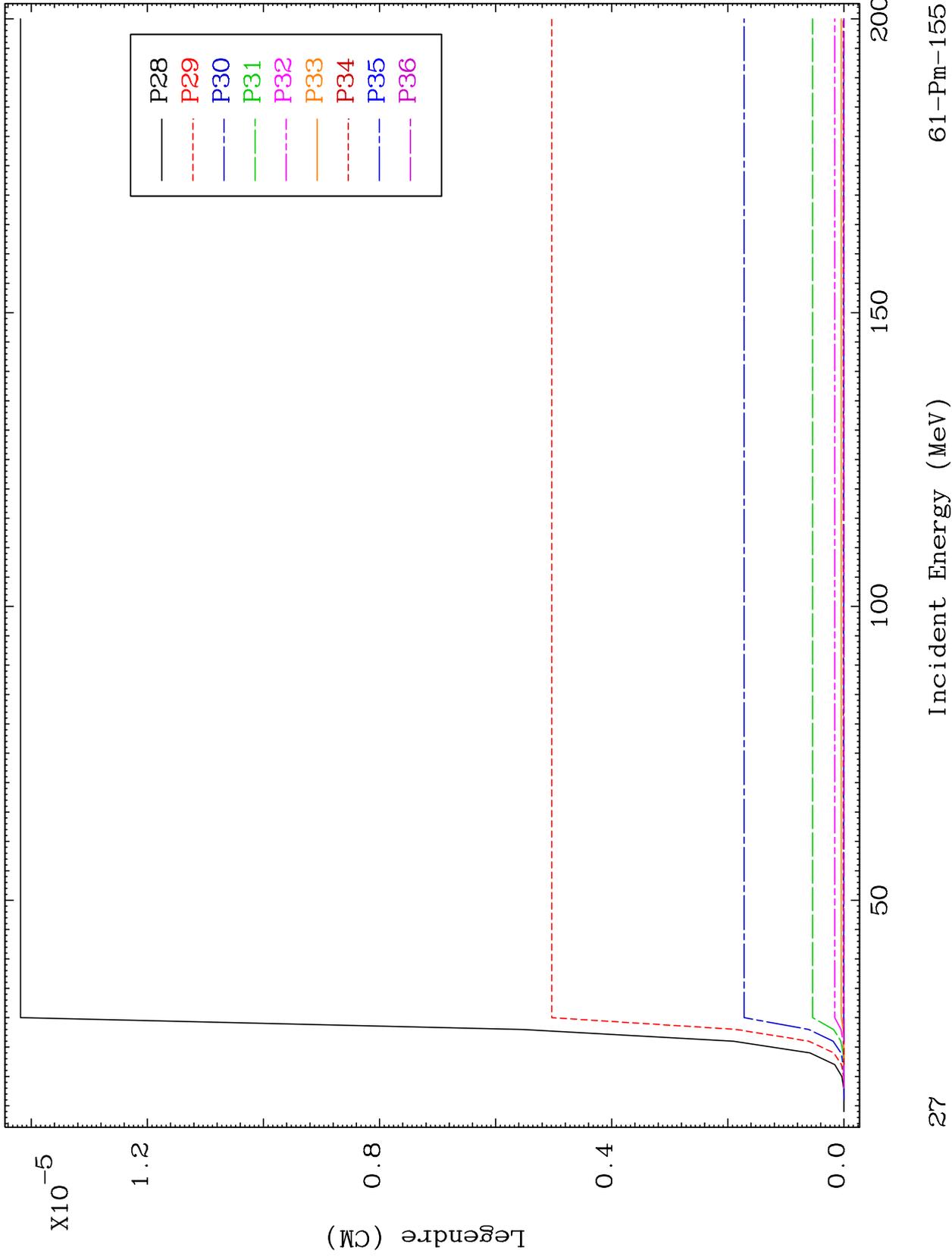
Incident Energy (MeV)

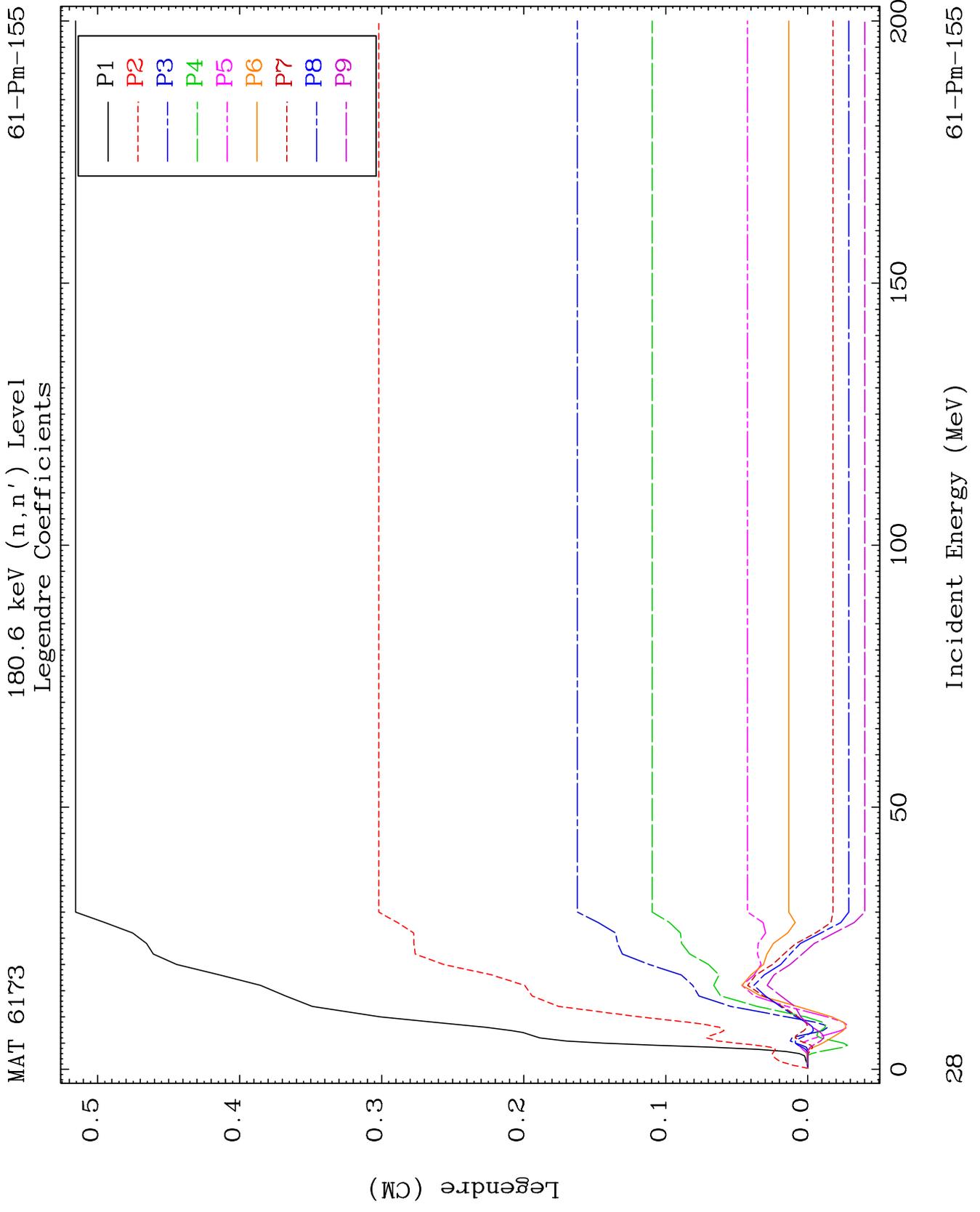
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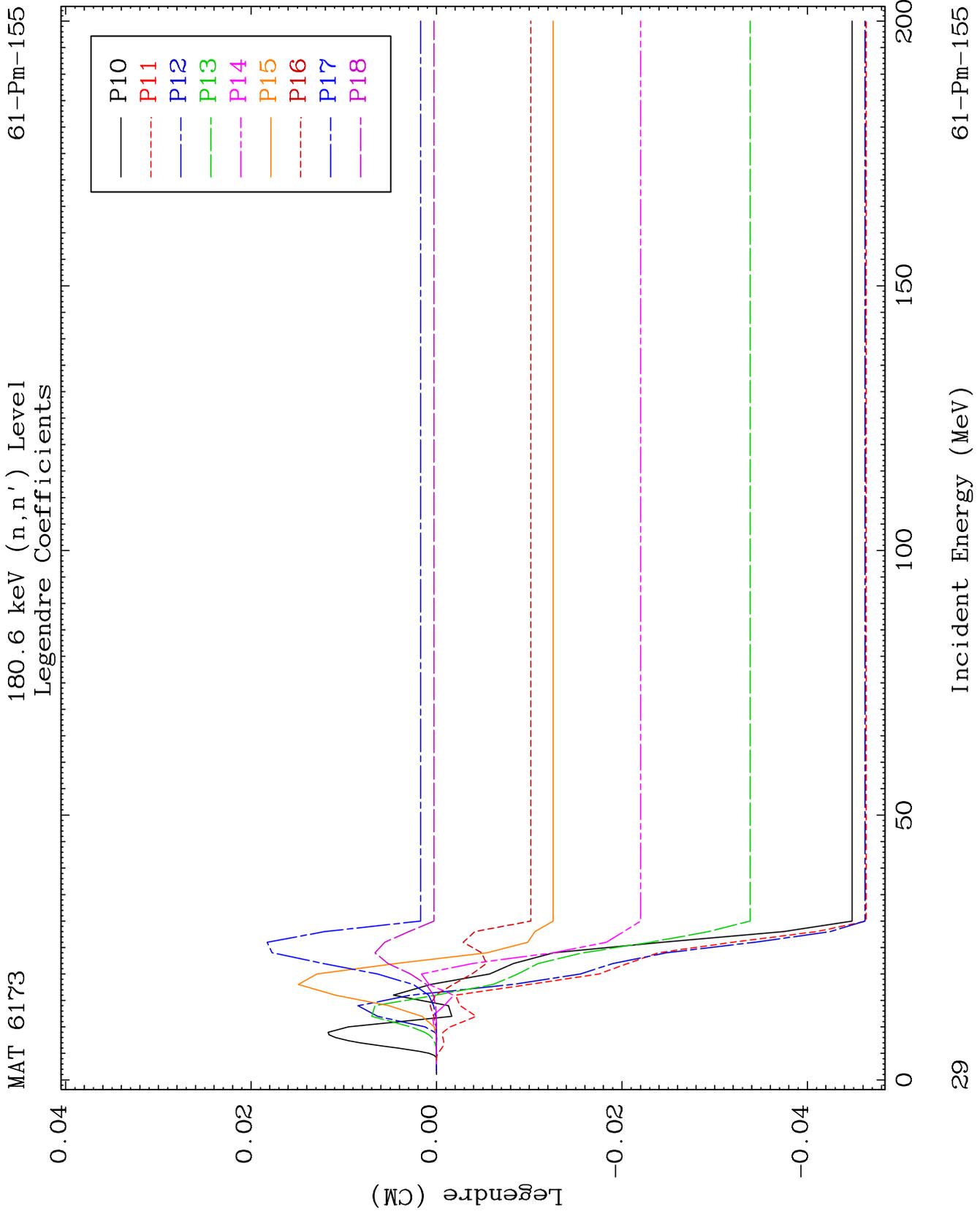
MAT 6173

154.6 keV (n,n') Level  
Legendre Coefficients

61-Pm-155



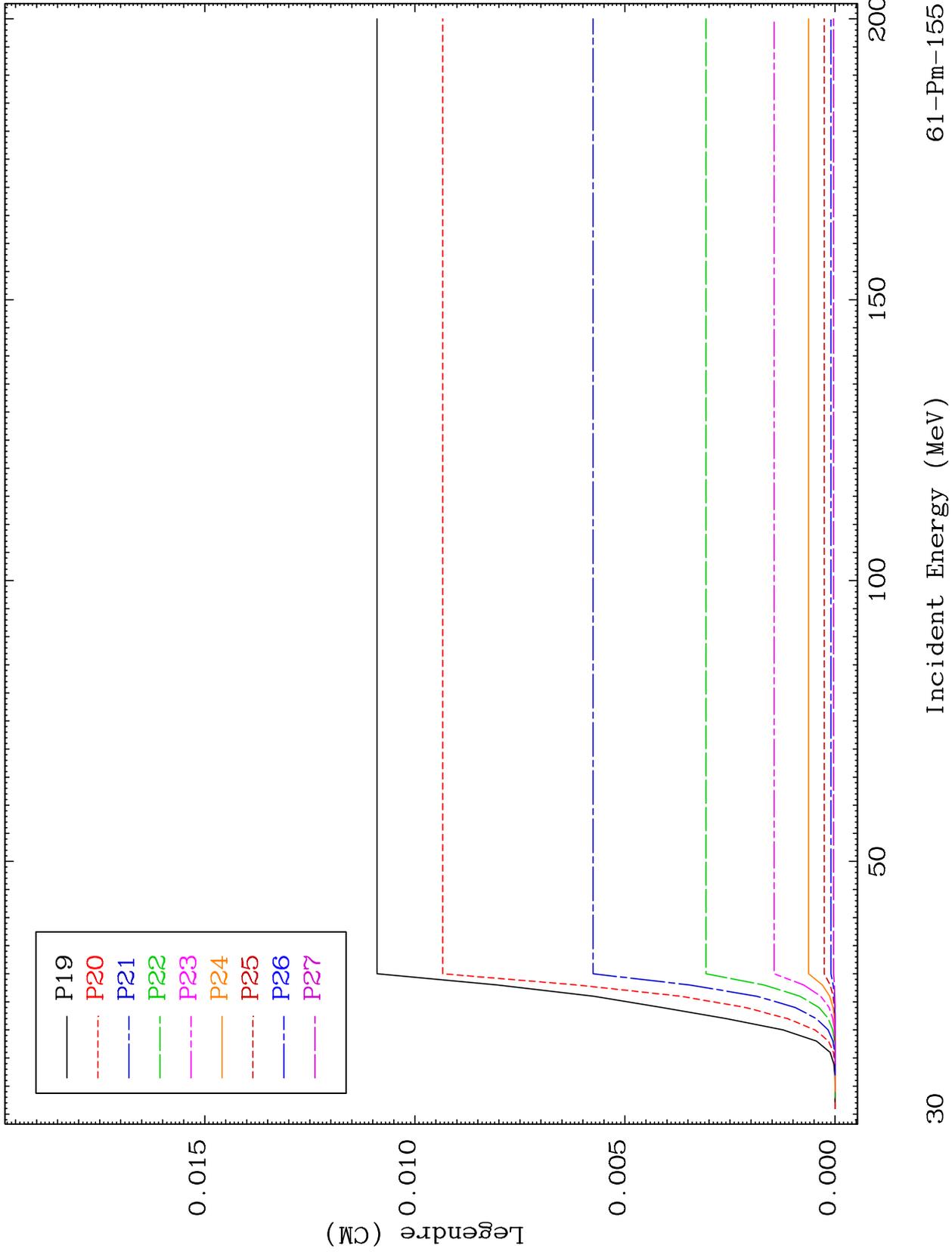




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180.6 keV (n,n') Level  
Legendre Coefficients

61-Pm-155



61-Pm-155

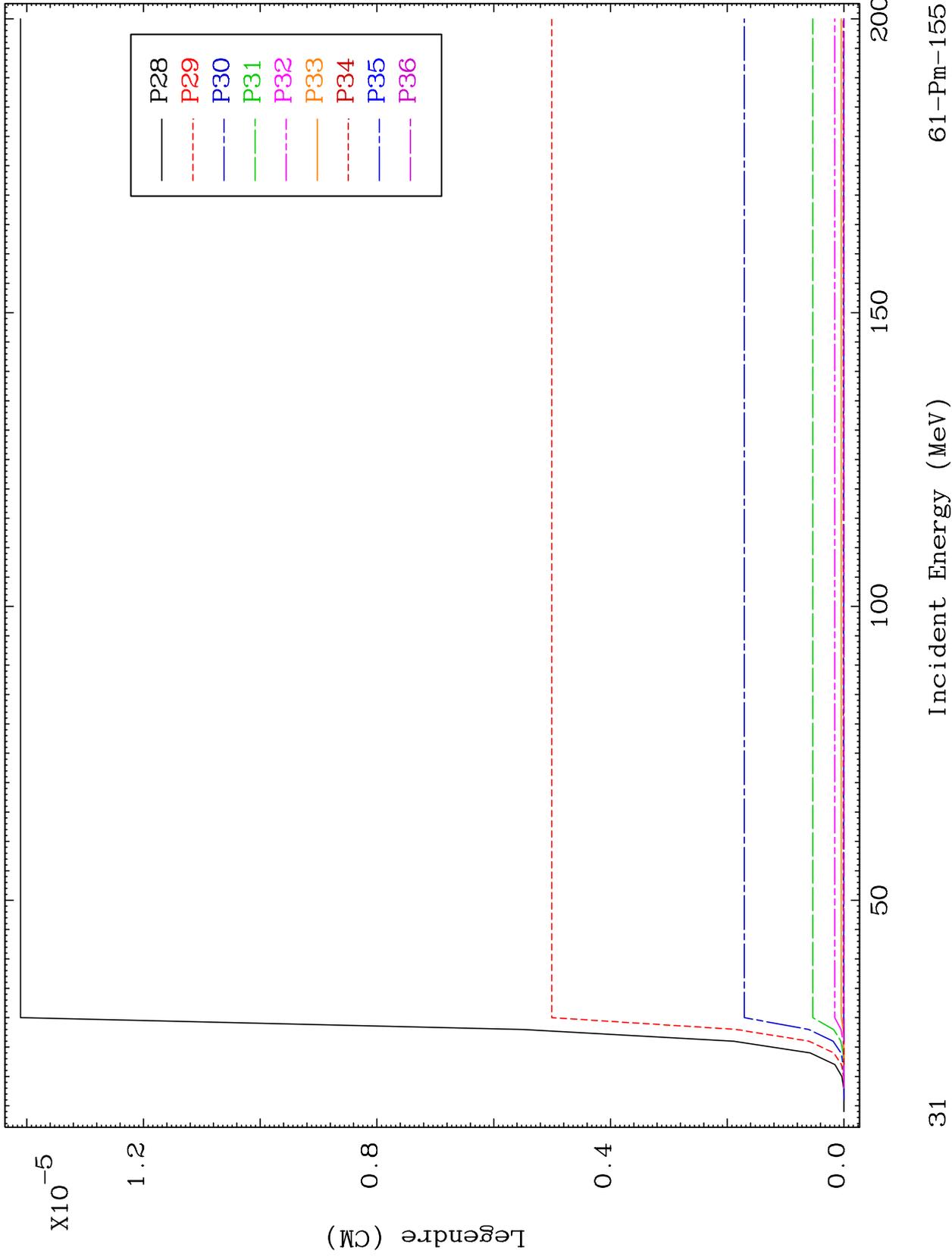
Incident Energy (MeV)

30

MAT 6173

180.6 keV (n,n') Level  
Legendre Coefficients

61-Pm-155



31

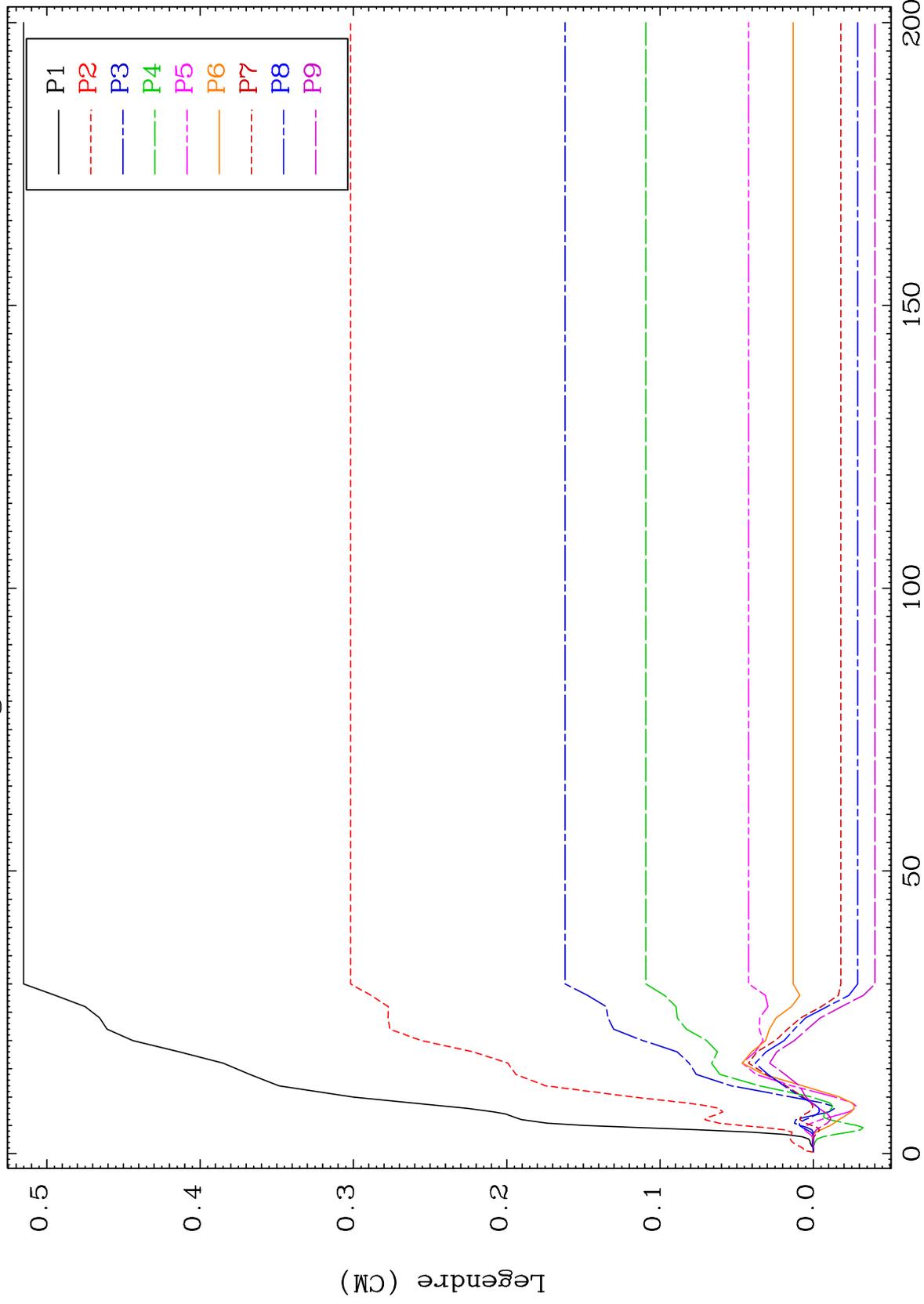
Incident Energy (MeV)

61-Pm-155

MAT 6173

253.1 keV (n,n') Level  
Legendre Coefficients

61-Pm-155



32

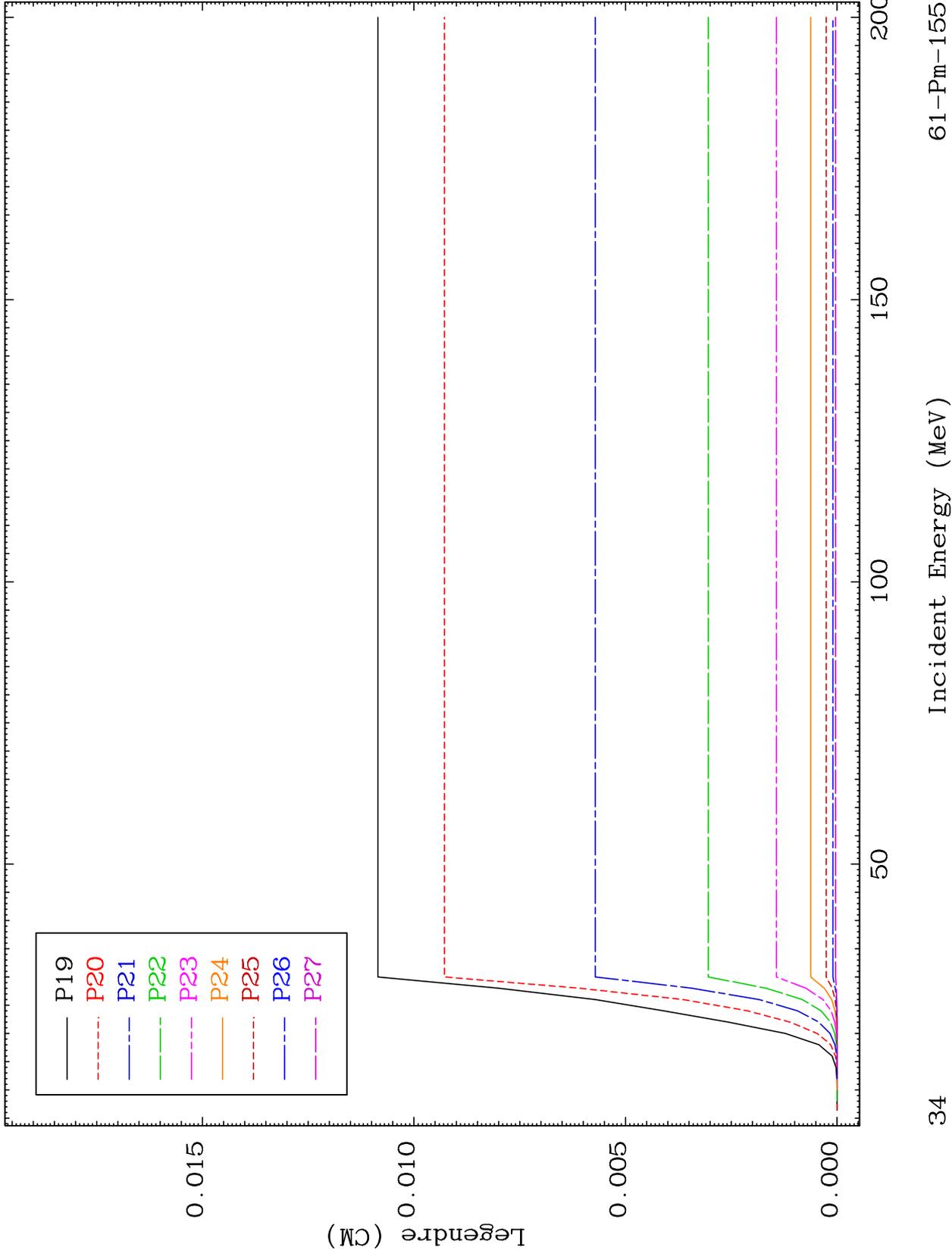
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MAT 6173

253.1 keV (n,n') Level  
Legendre Coefficients

61-Pm-155



34

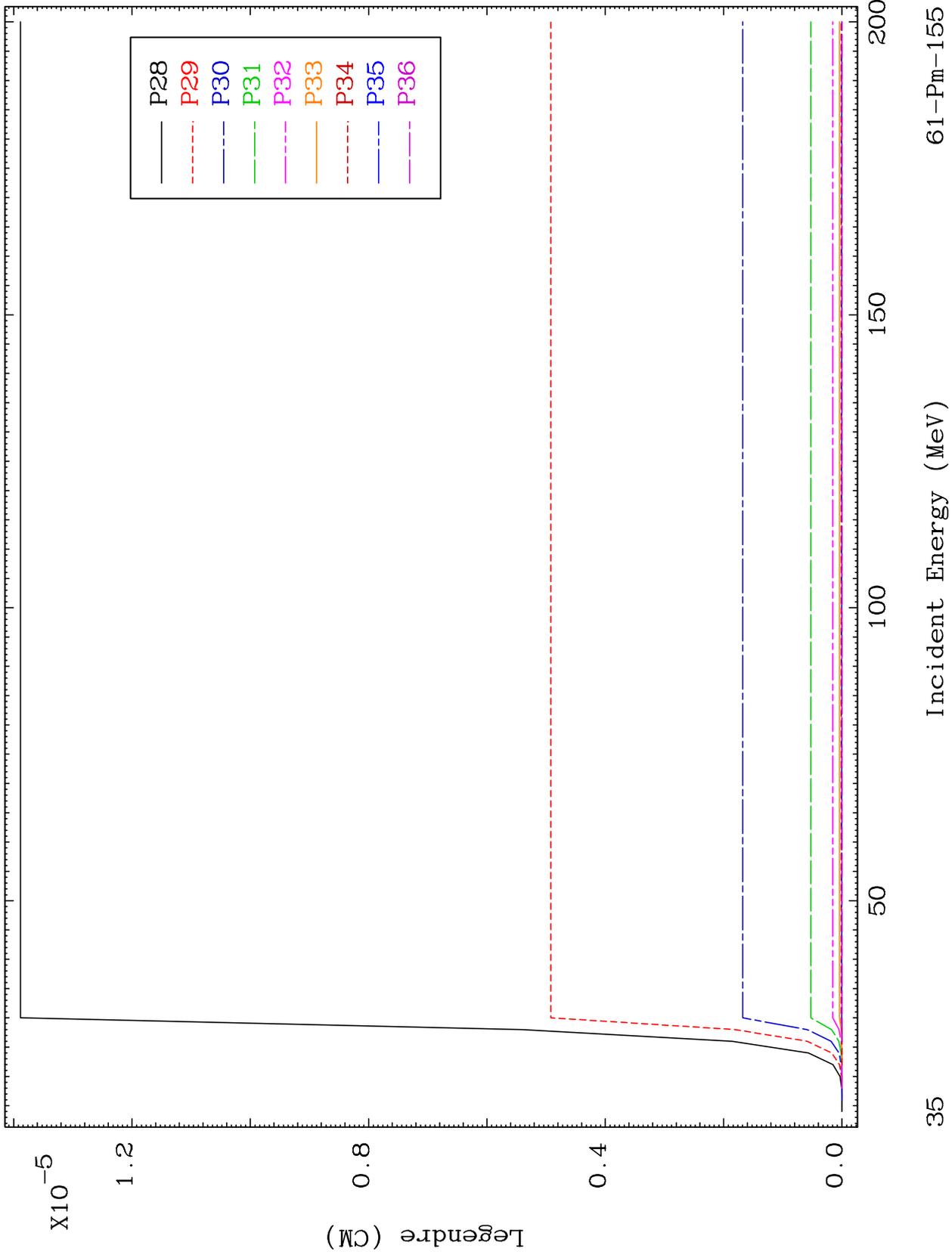
Incident Energy (MeV)

61-Pm-155

MAT 6173

253.1 keV (n,n') Level  
Legendre Coefficients

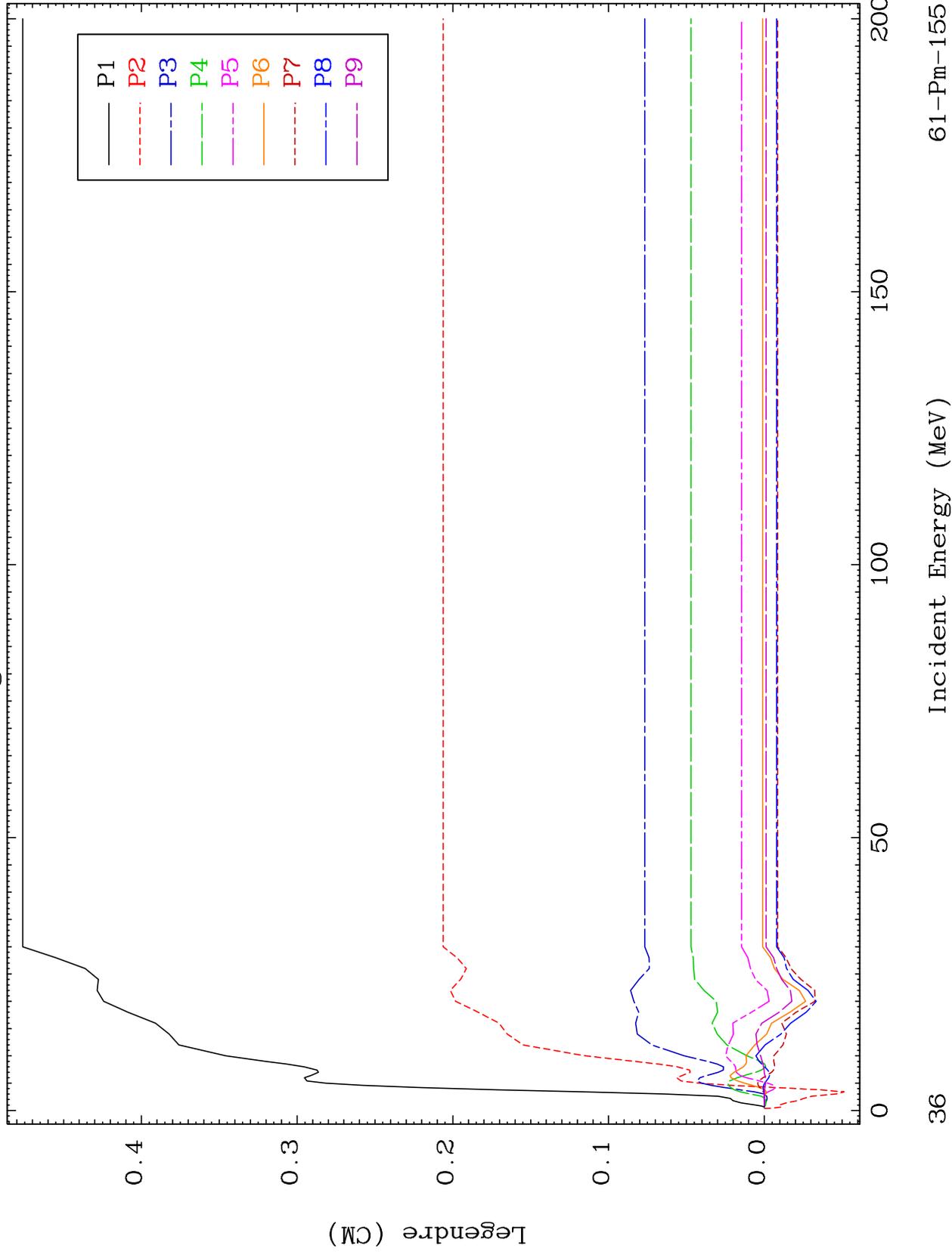
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345.7 keV (n,n') Level  
Legendre Coefficients

61-Pm-155



61-Pm-155

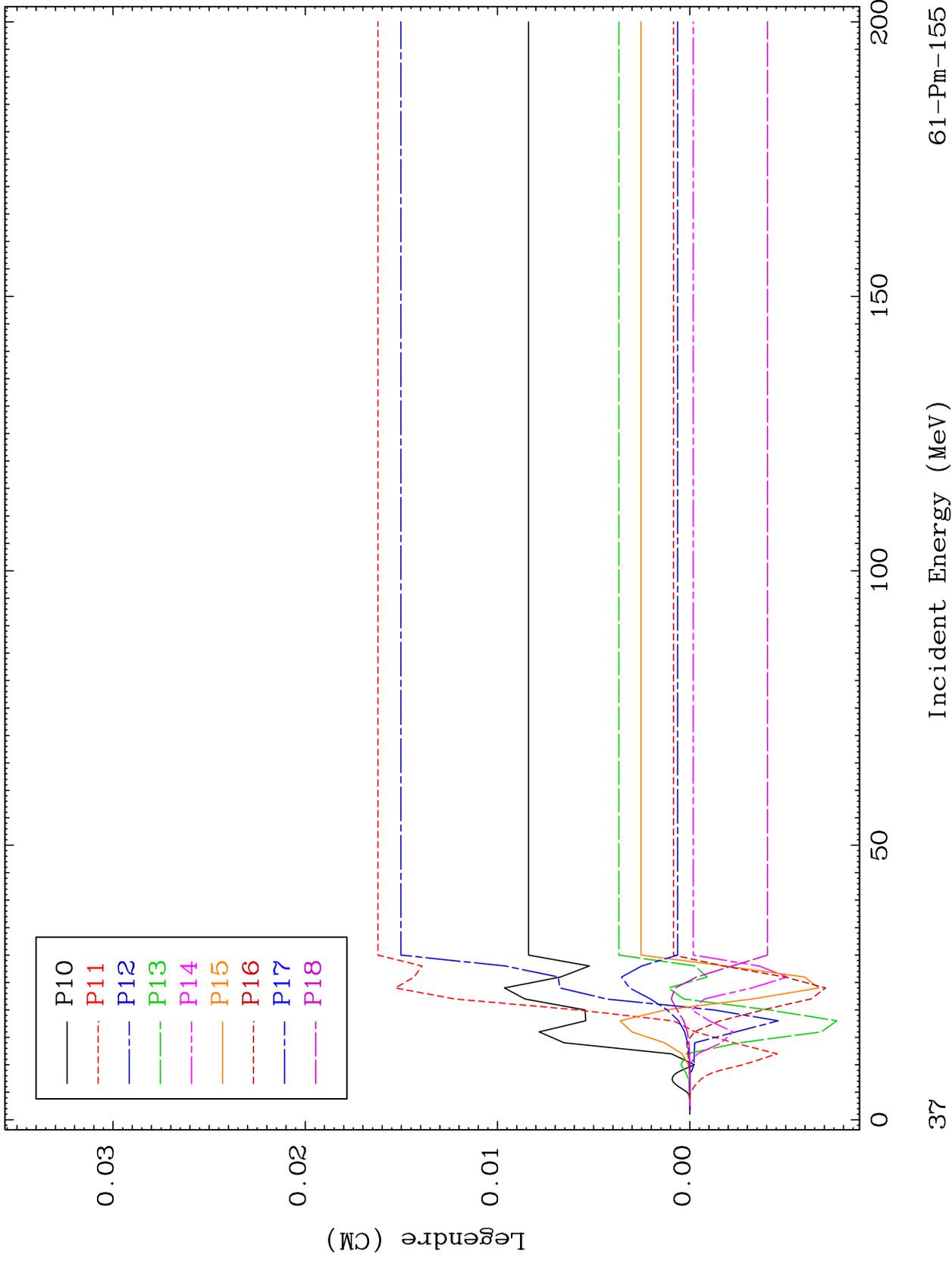
Incident Energy (MeV)

36

MAT 6173

345.7 keV (n,n') Level  
Legendre Coefficients

61-Pm-155



37

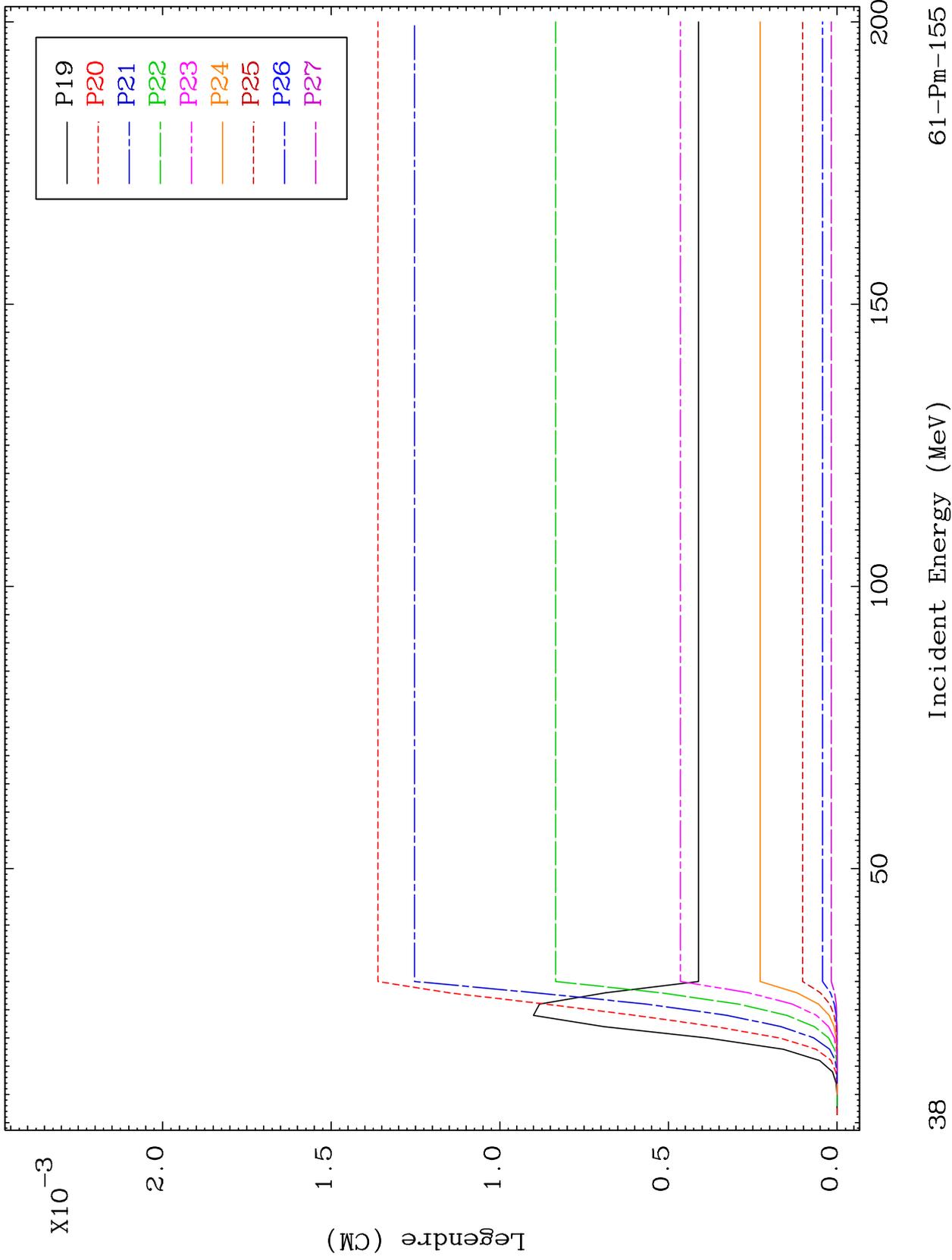
Incident Energy (MeV)

61-Pm-155

MAT 6173

345.7 keV (n,n') Level  
Legendre Coefficients

61-Pm-155



38

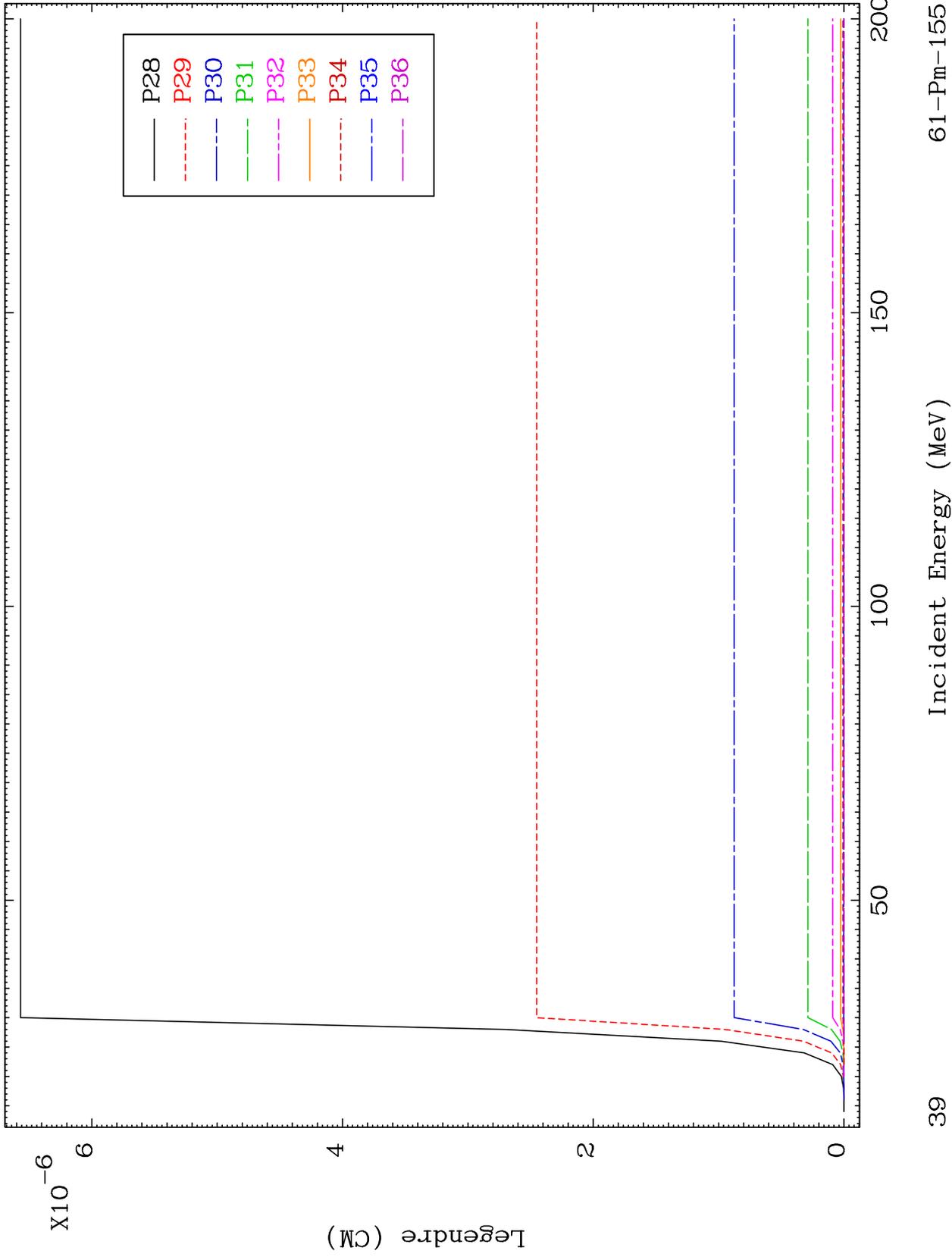
Incident Energy (MeV)

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MAT 6173

345.7 keV (n,n') Level  
Legendre Coefficients

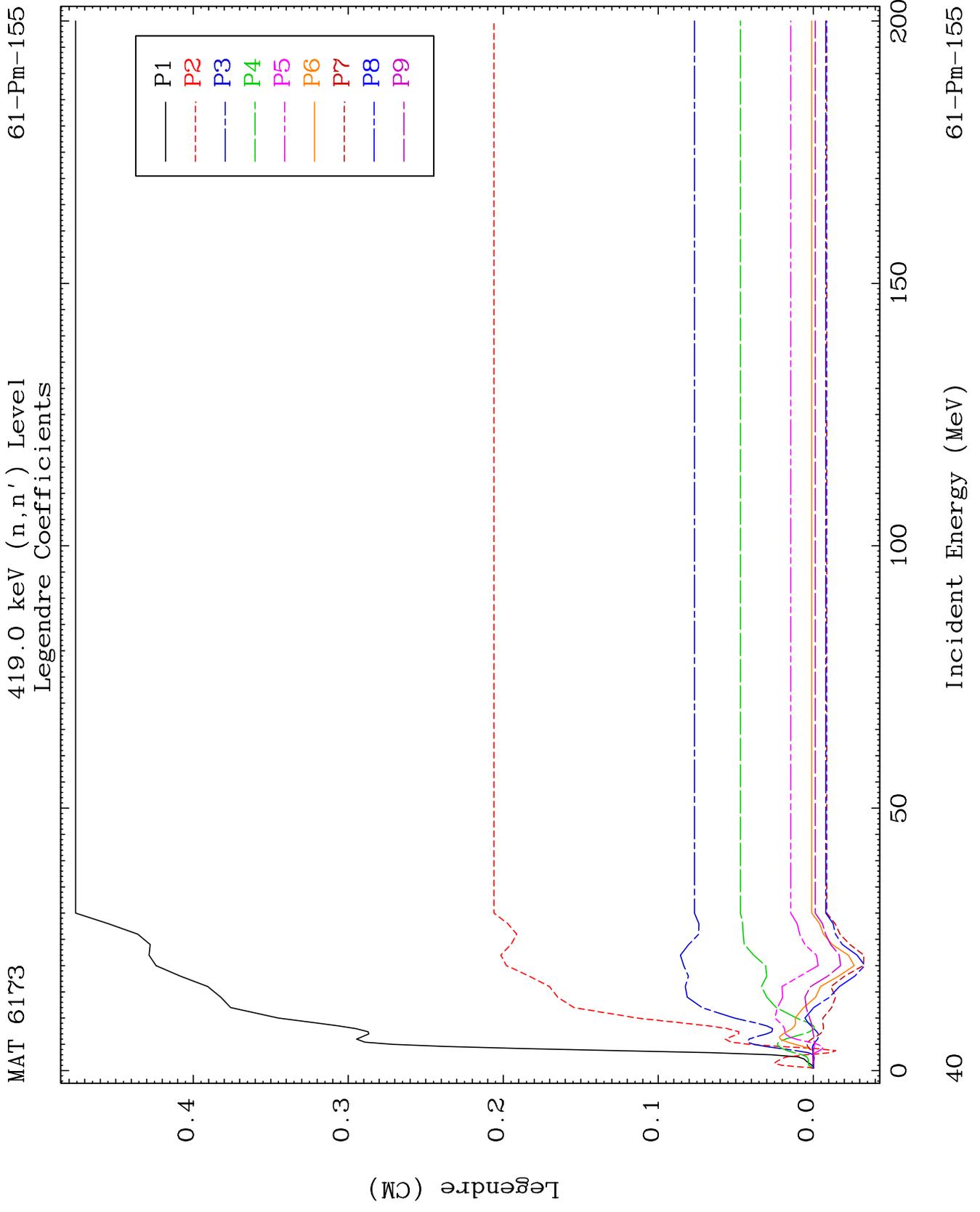
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39

Incident Energy (MeV)

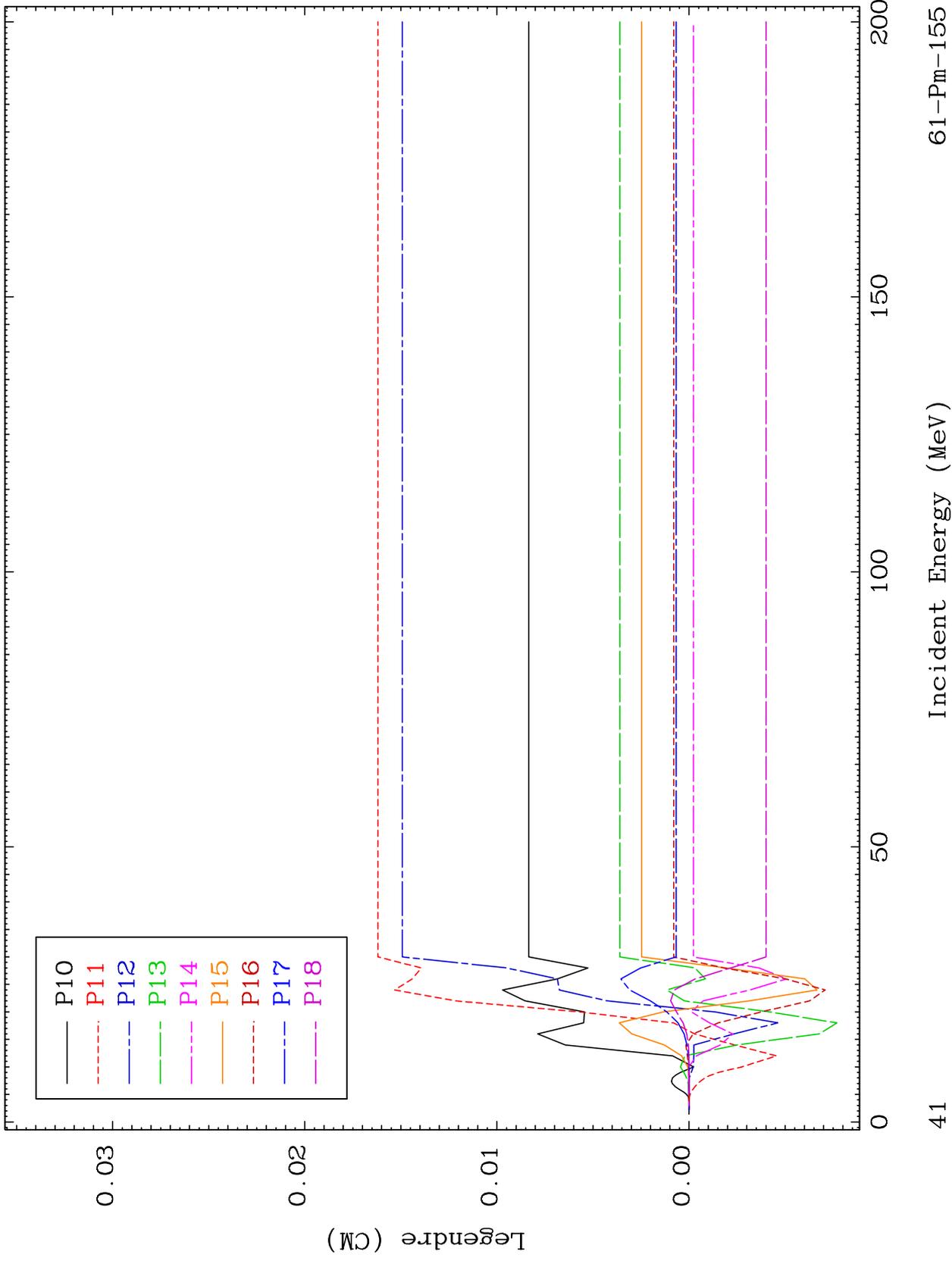
61-Pm-155



MAT 6173

419.0 keV (n,n') Level  
Legendre Coefficients

61-Pm-155



41

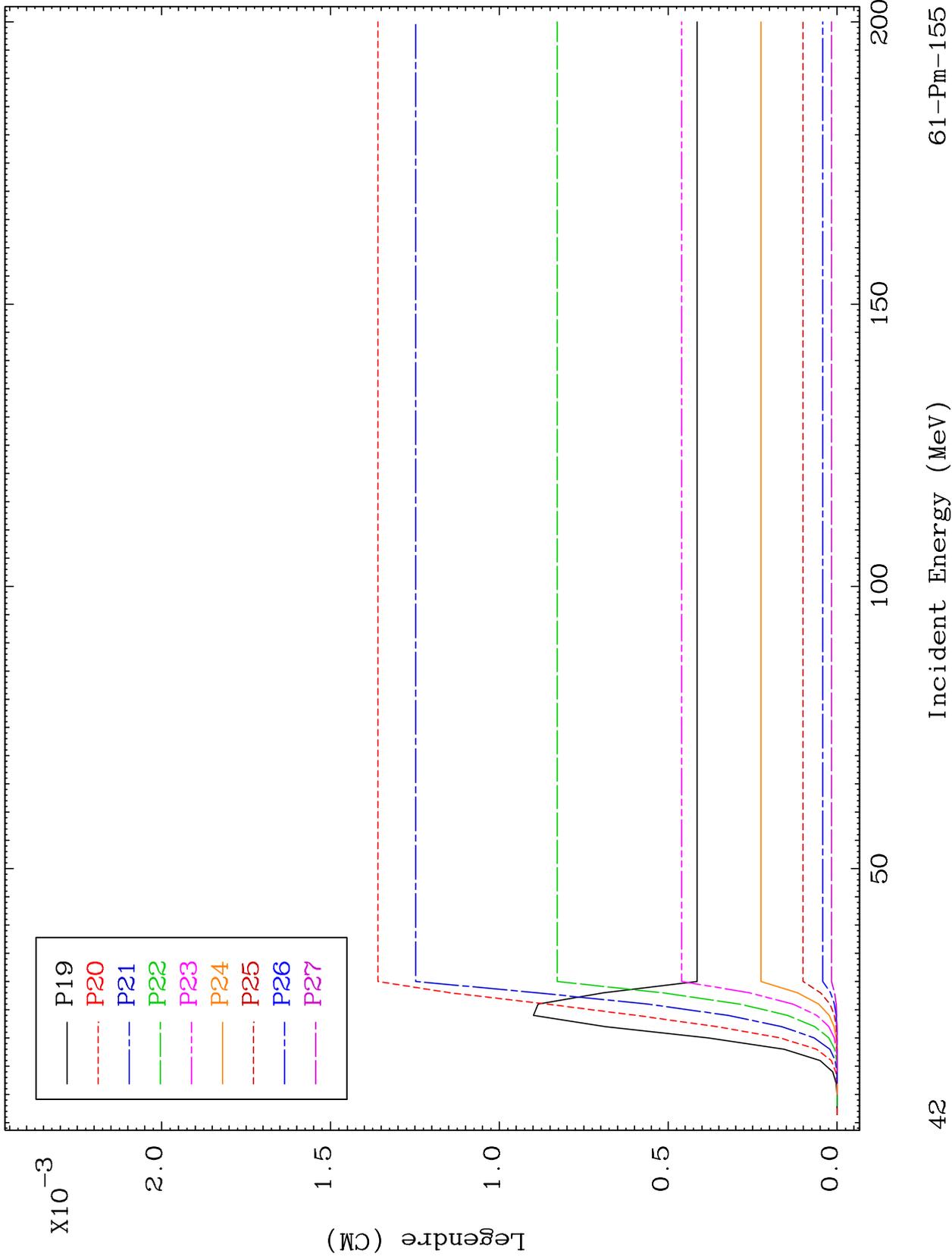
Incident Energy (MeV)

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MAT 6173

419.0 keV (n,n') Level  
Legendre Coefficients

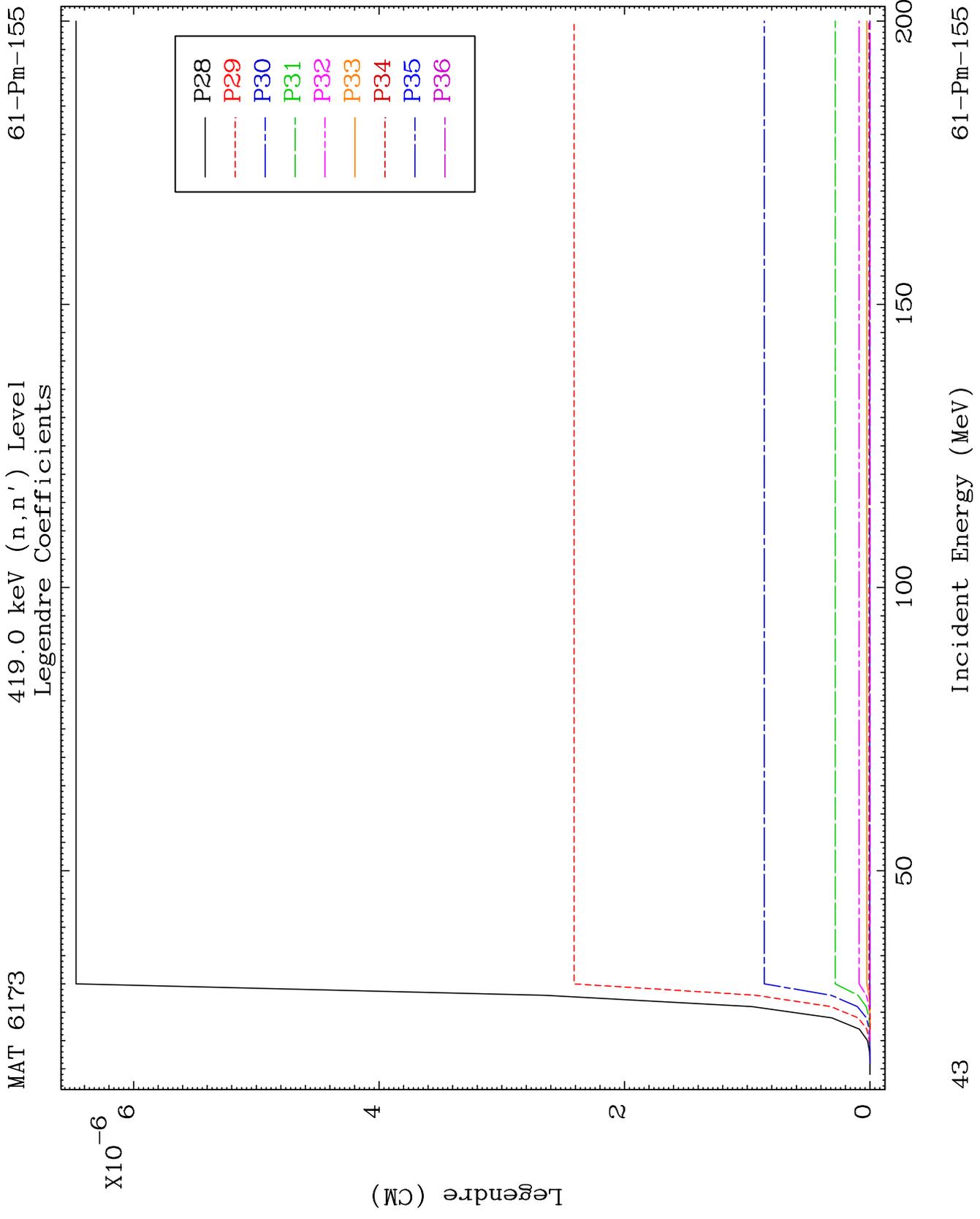
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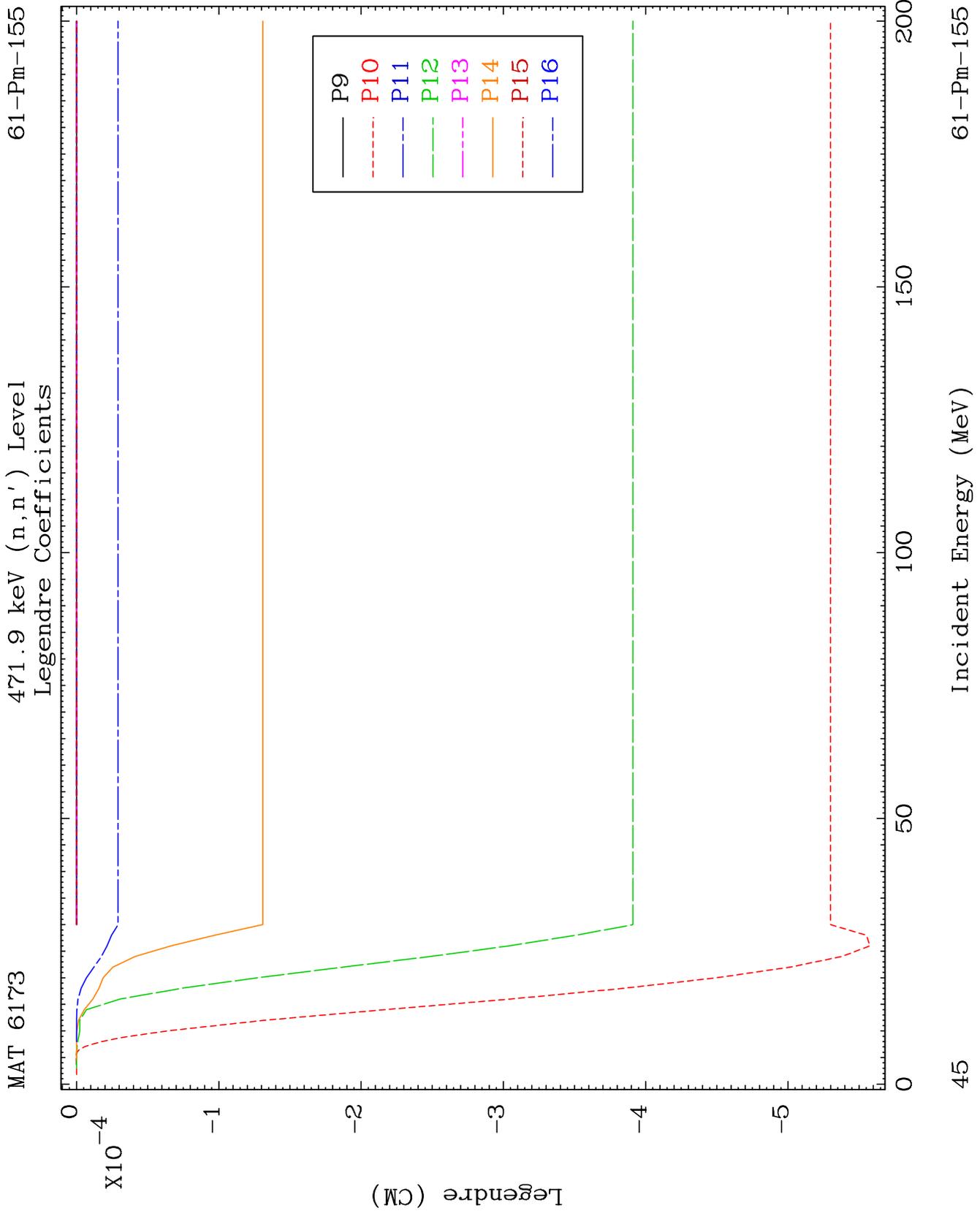
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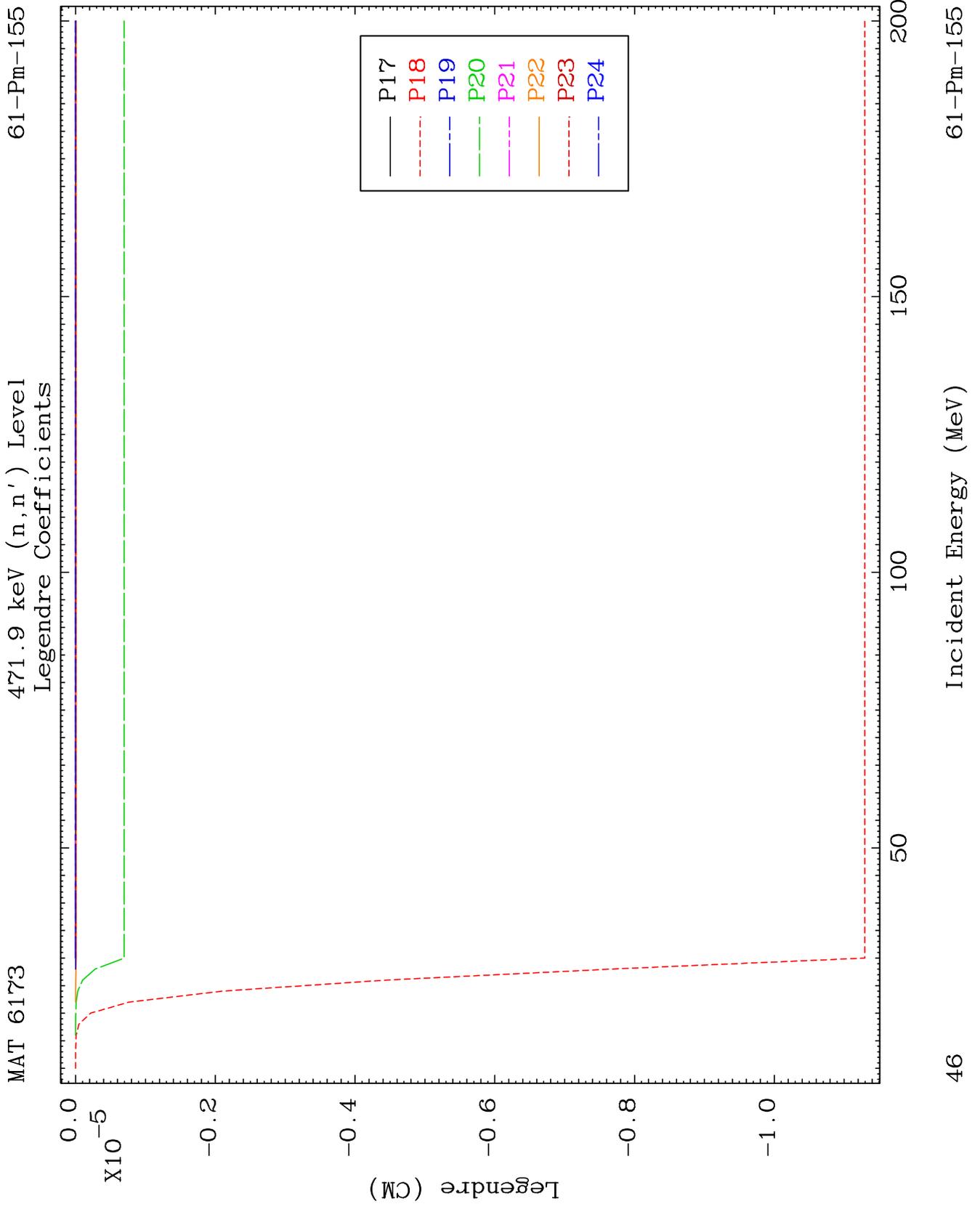
Incident Energy (MeV)

61-Pm-155

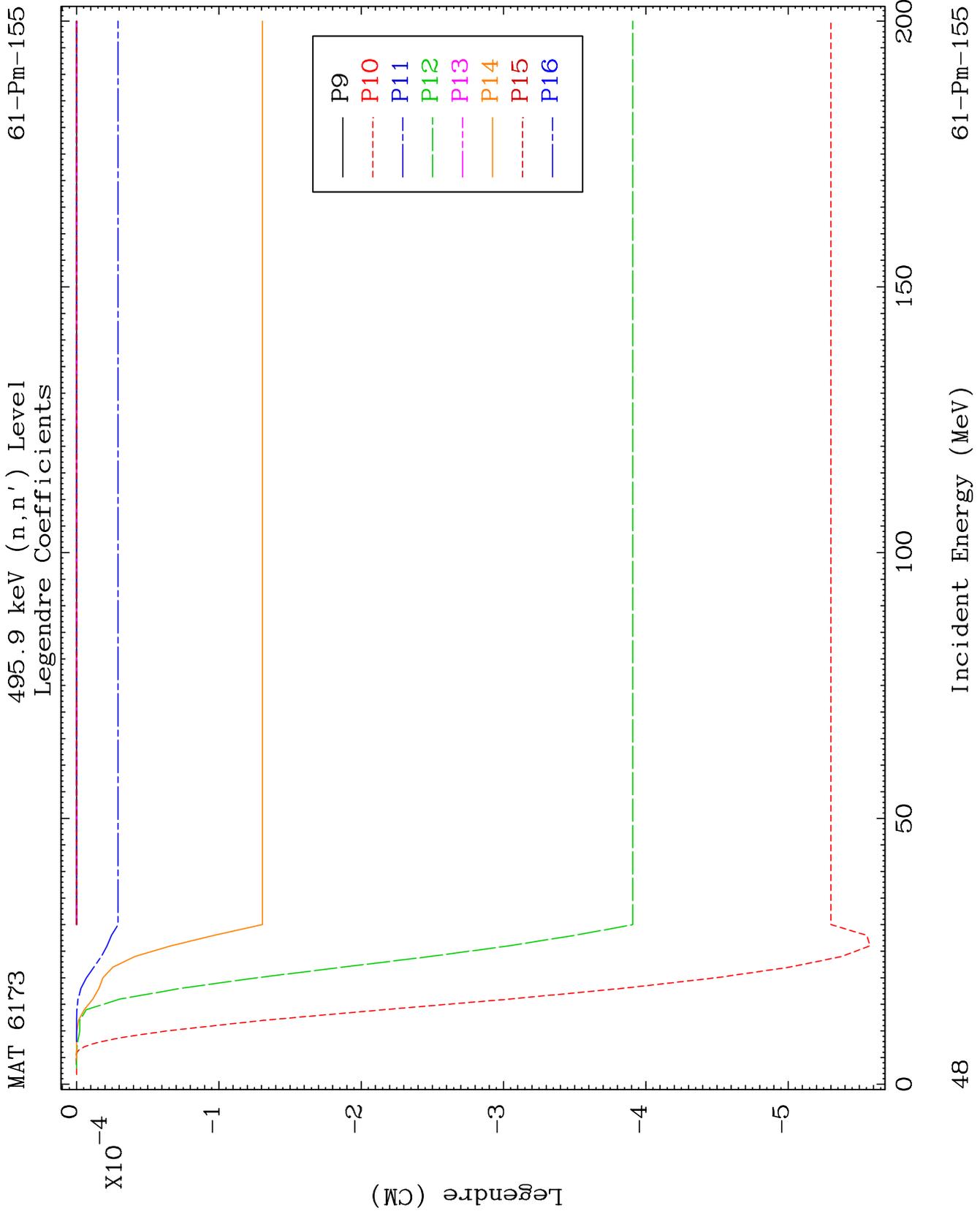


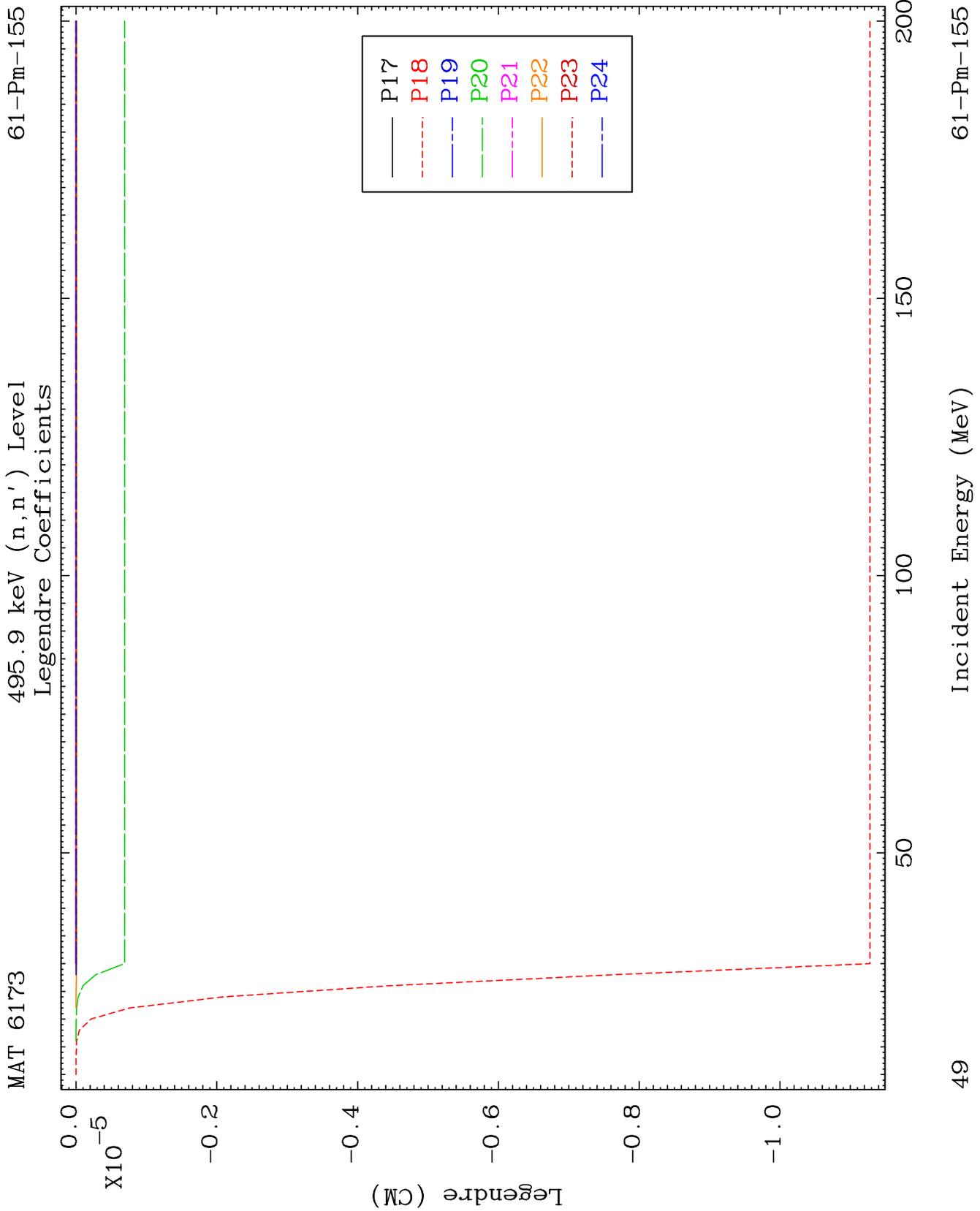


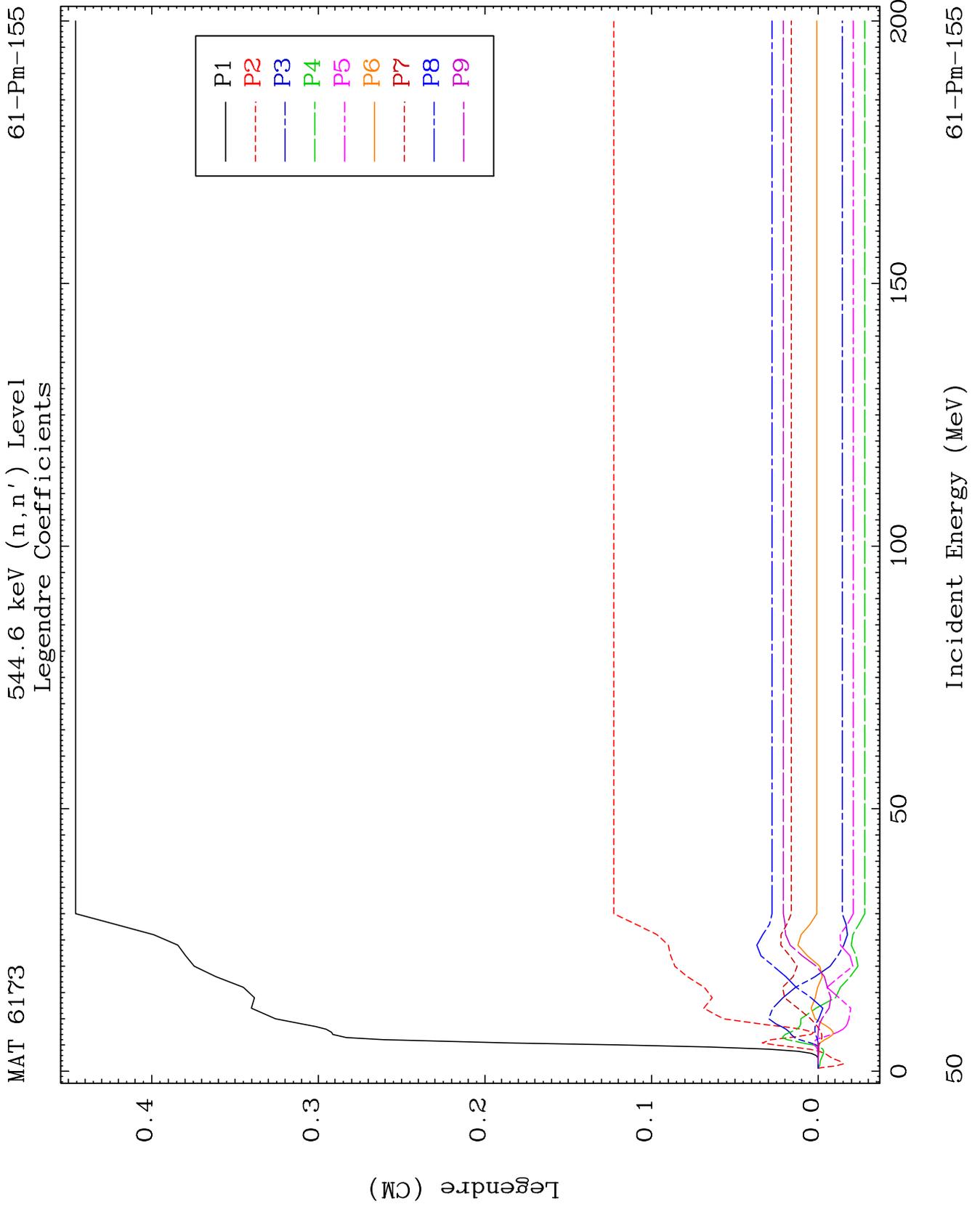








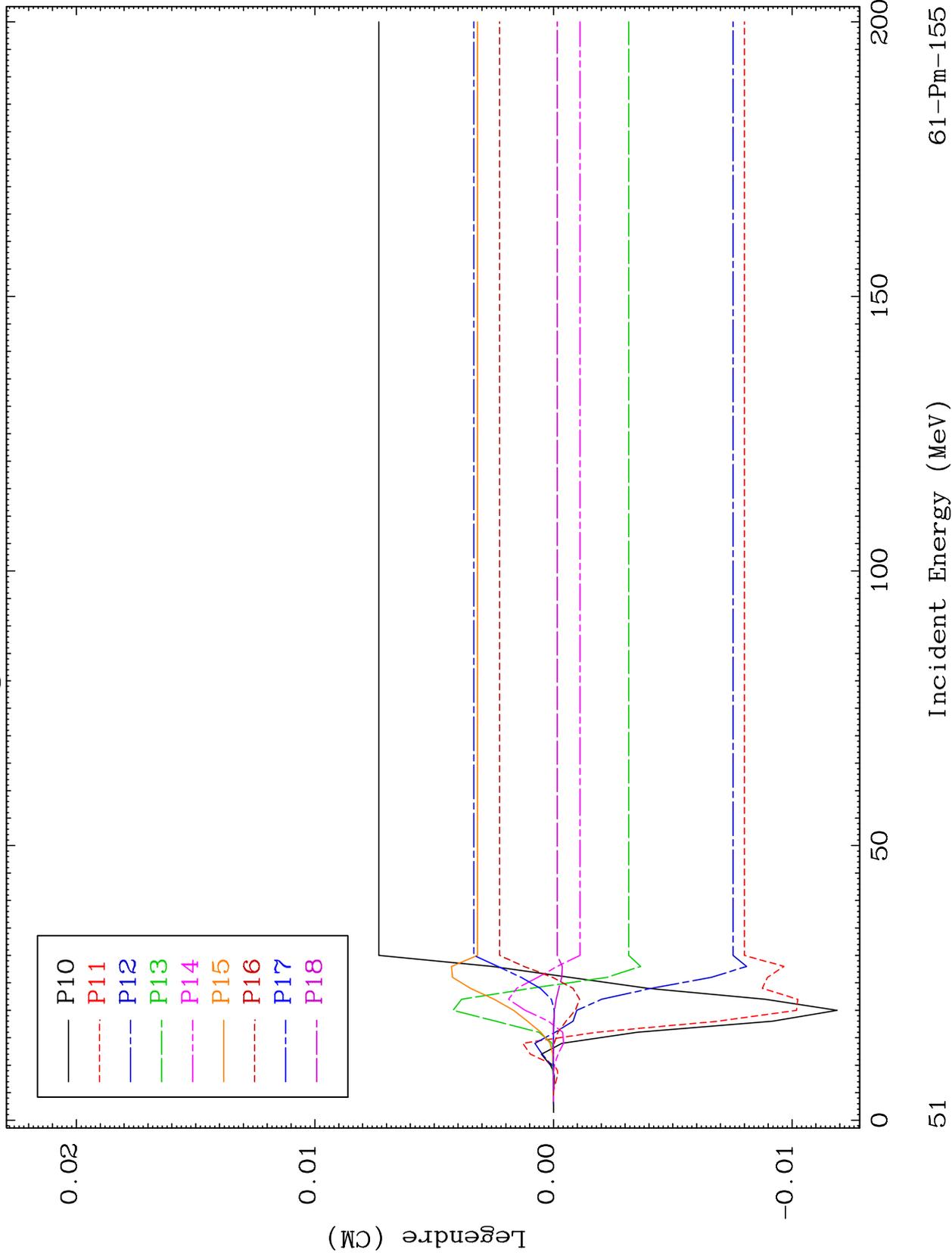




MAT 6173

544.6 keV (n,n') Level  
Legendre Coefficients

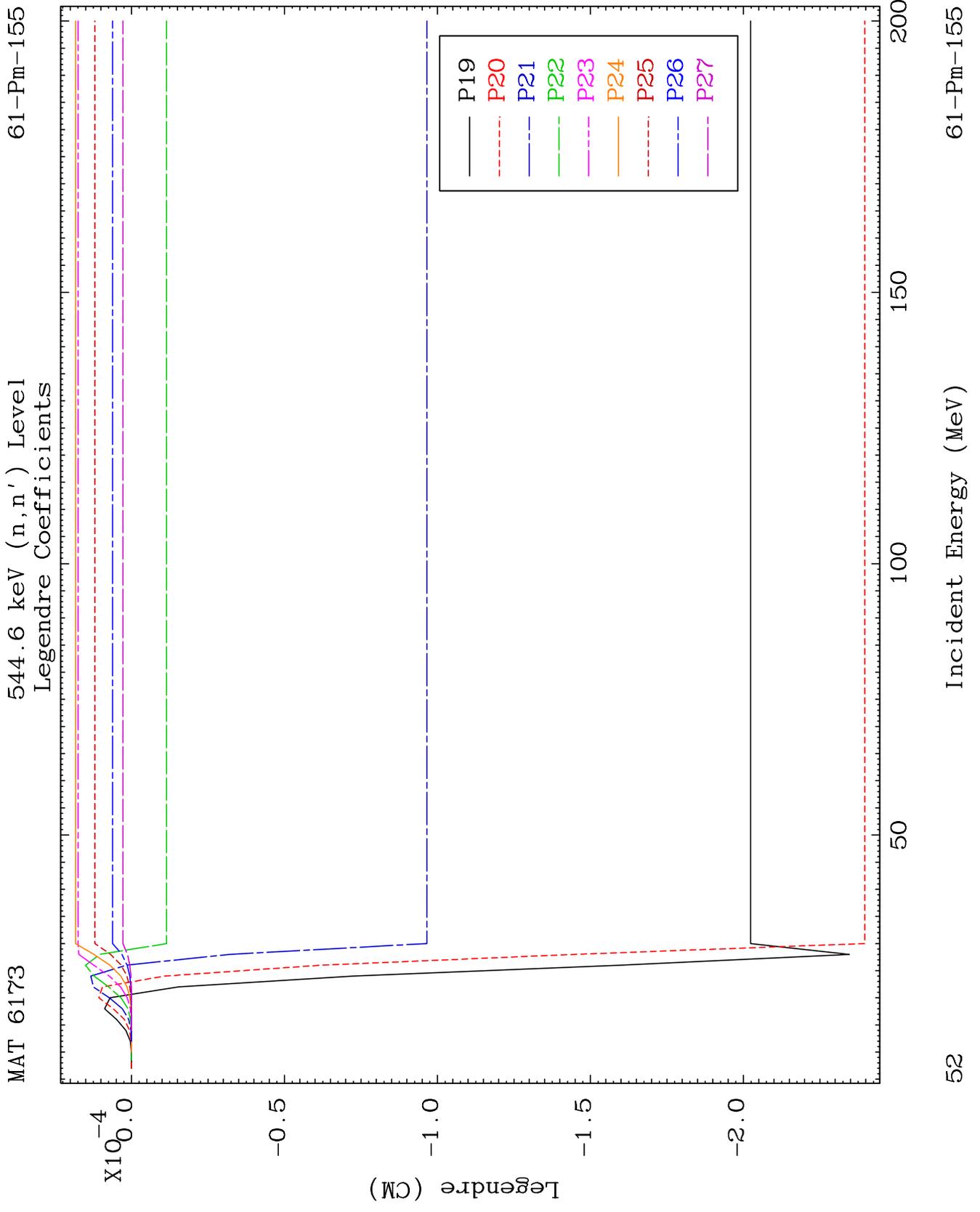
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61-Pm-155

Incident Energy (MeV)

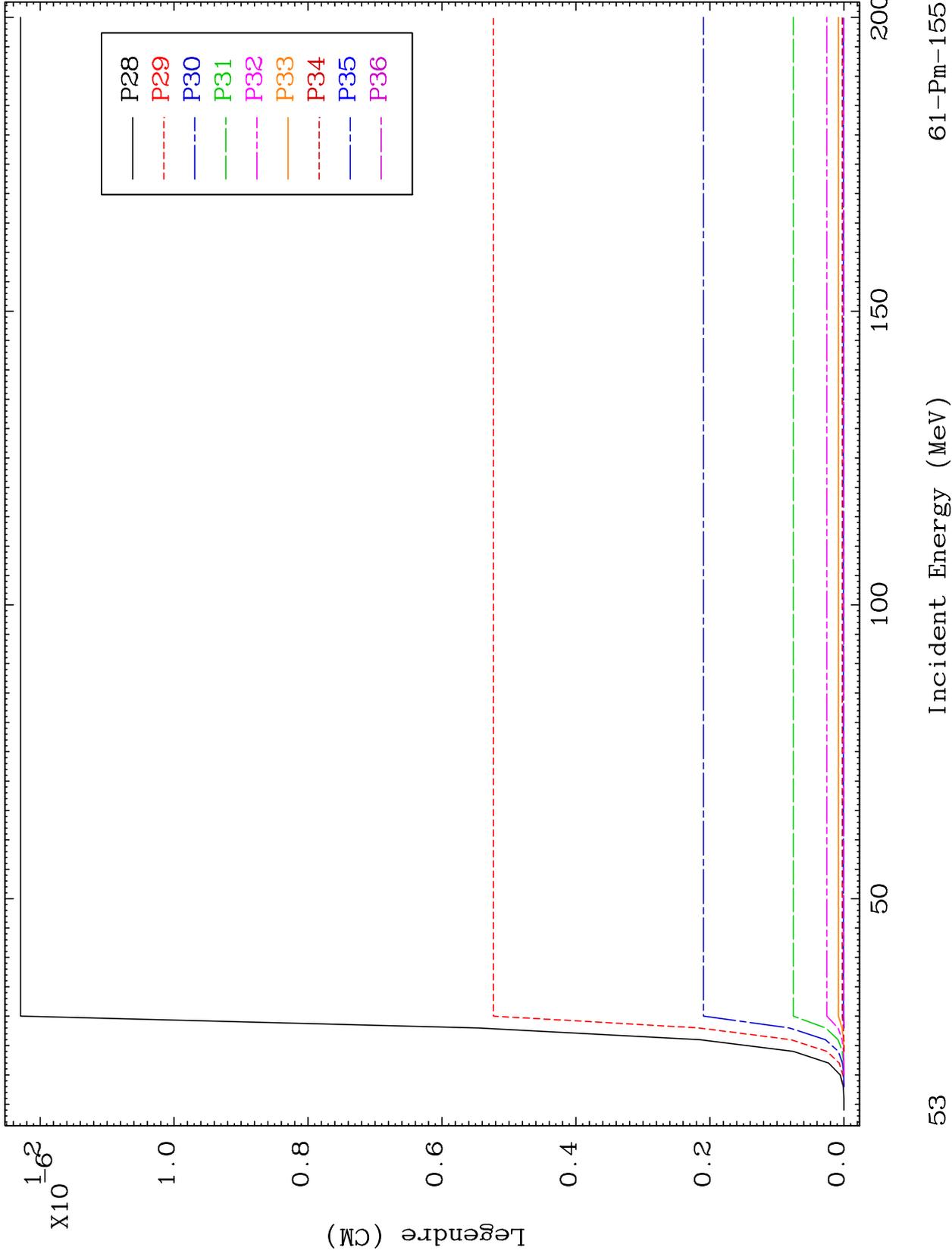
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MAT 6173

544.6 keV (n,n') Level  
Legendre Coefficients

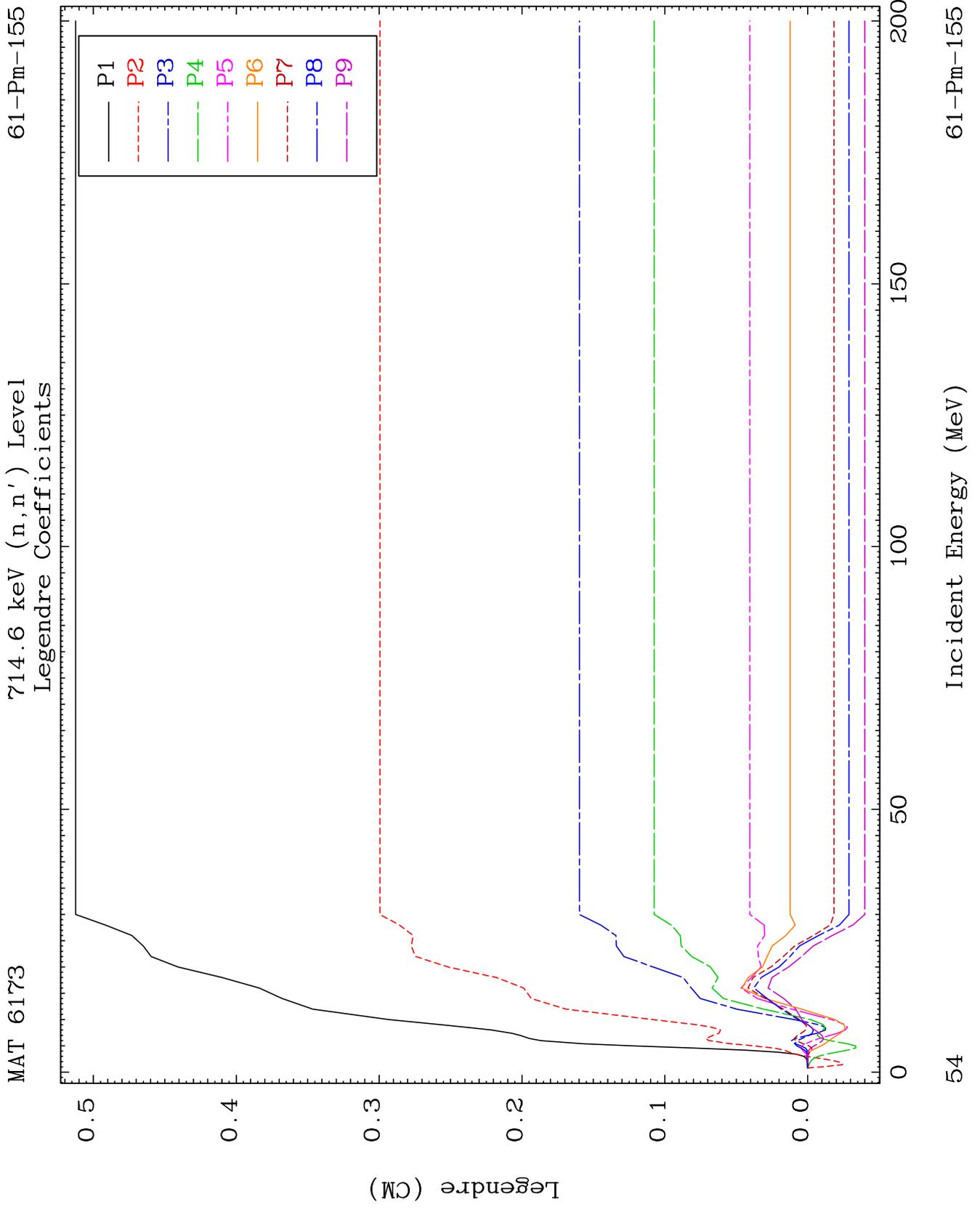
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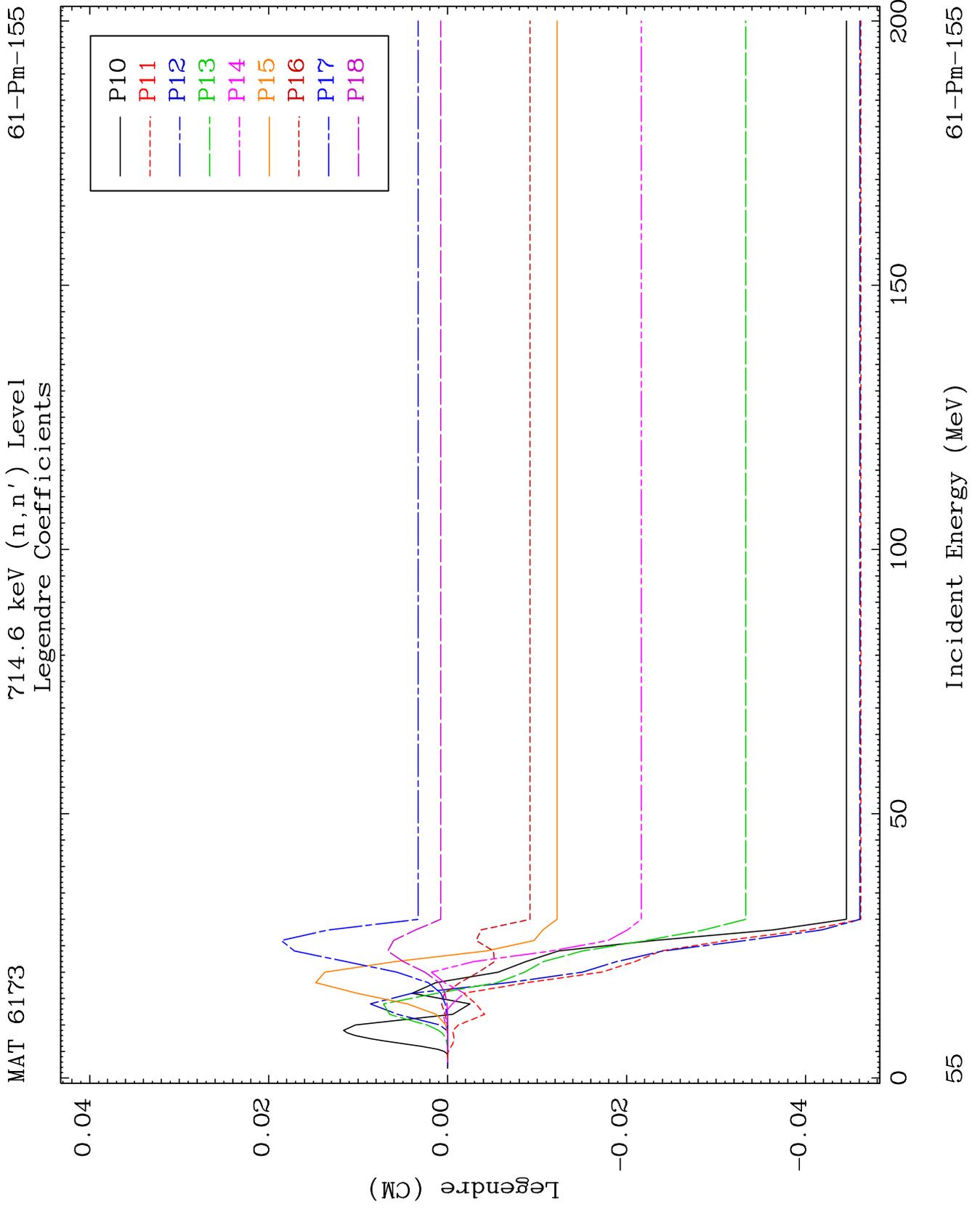


53

Incident Energy (MeV)

61-Pm-155

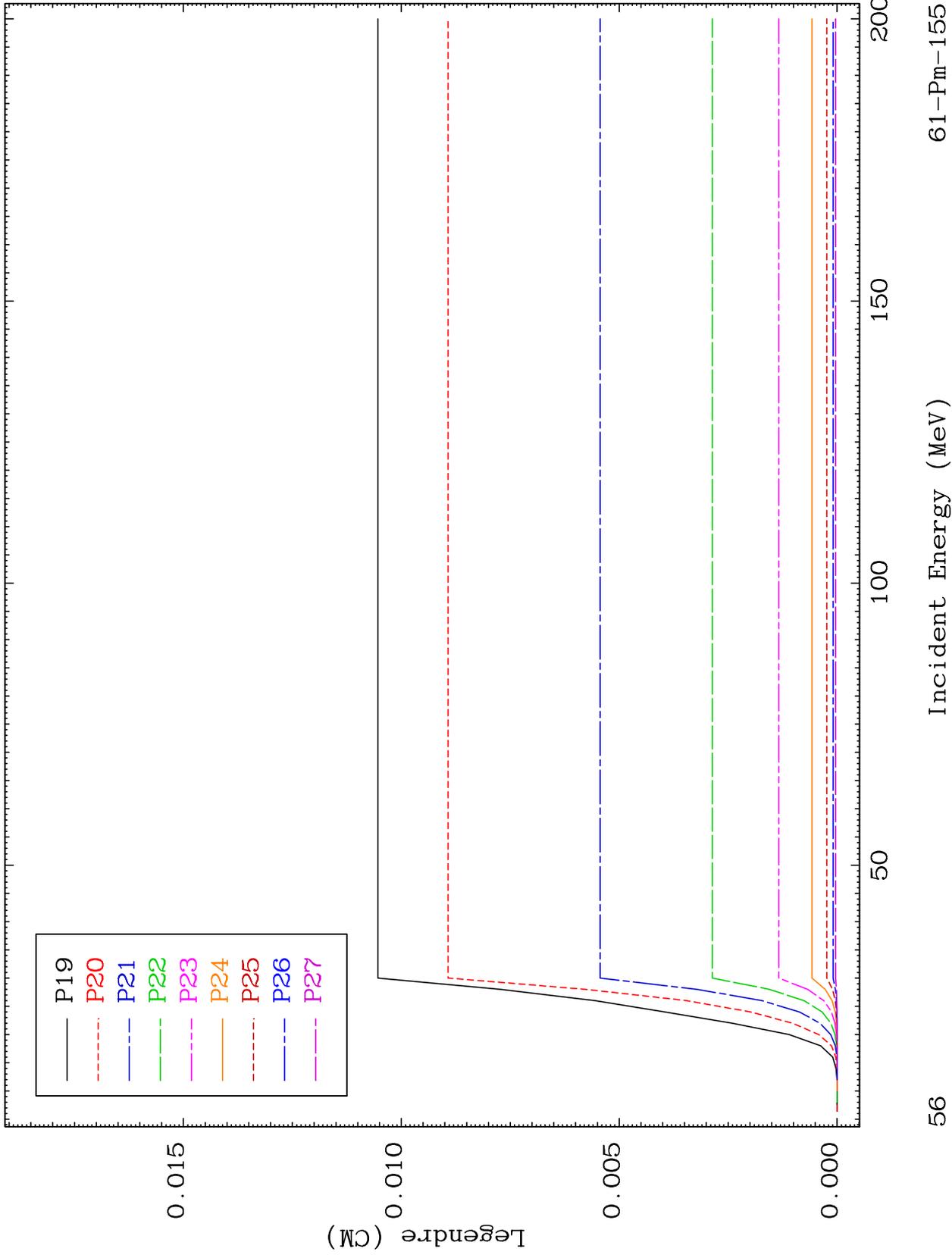




MAT 6173

714.6 keV (n,n') Level  
Legendre Coefficients

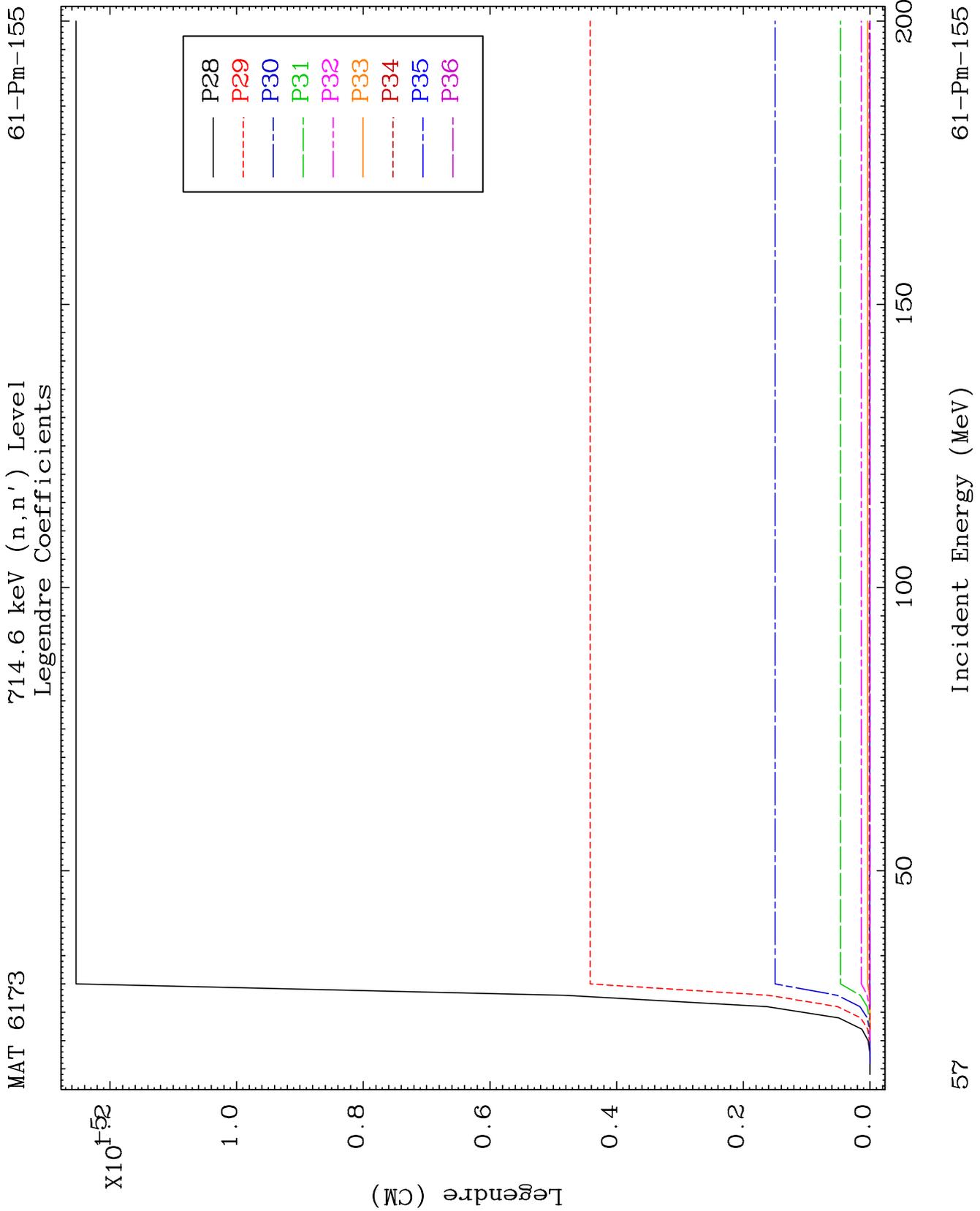
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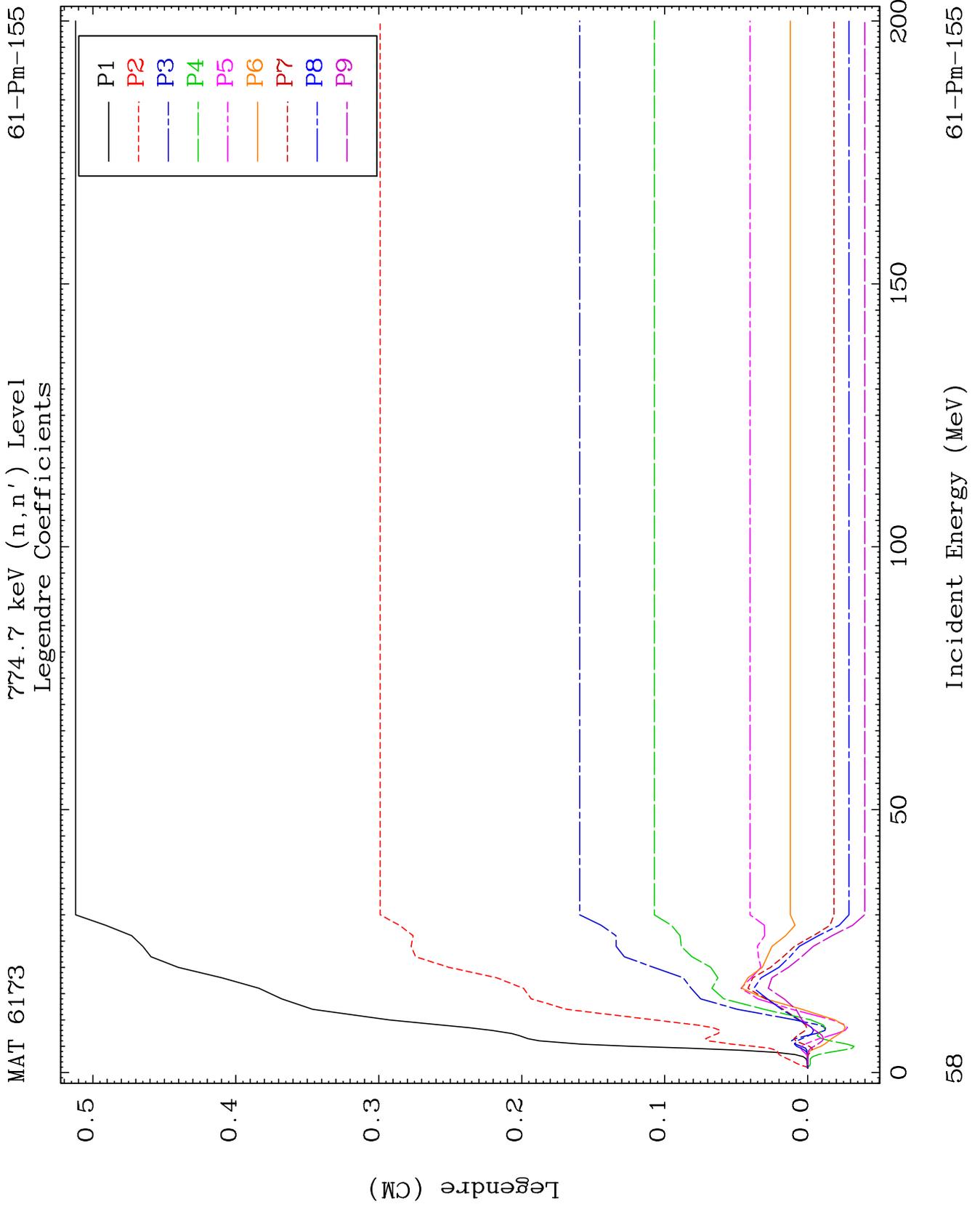


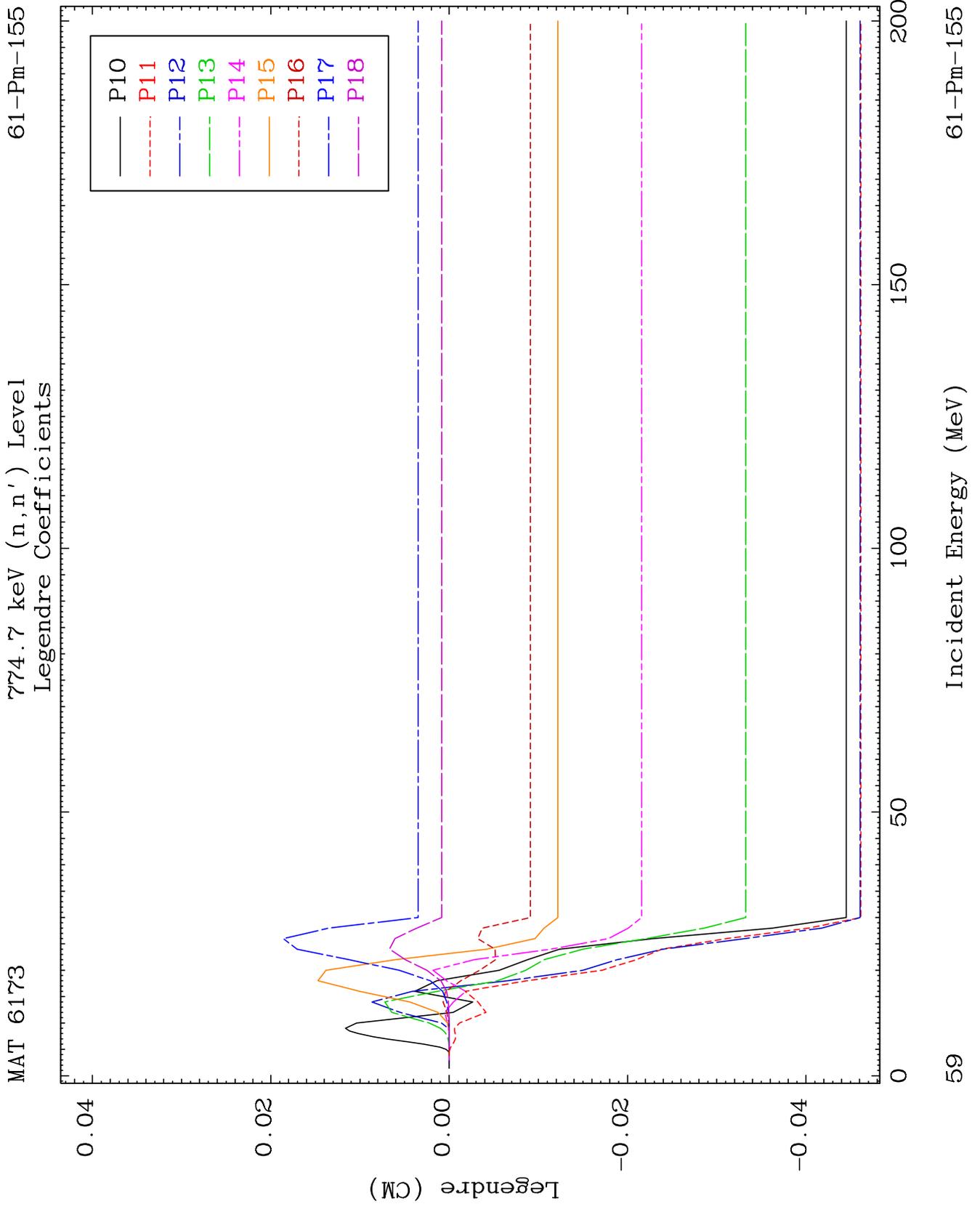
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Incident Energy (MeV)

61-Pm-155



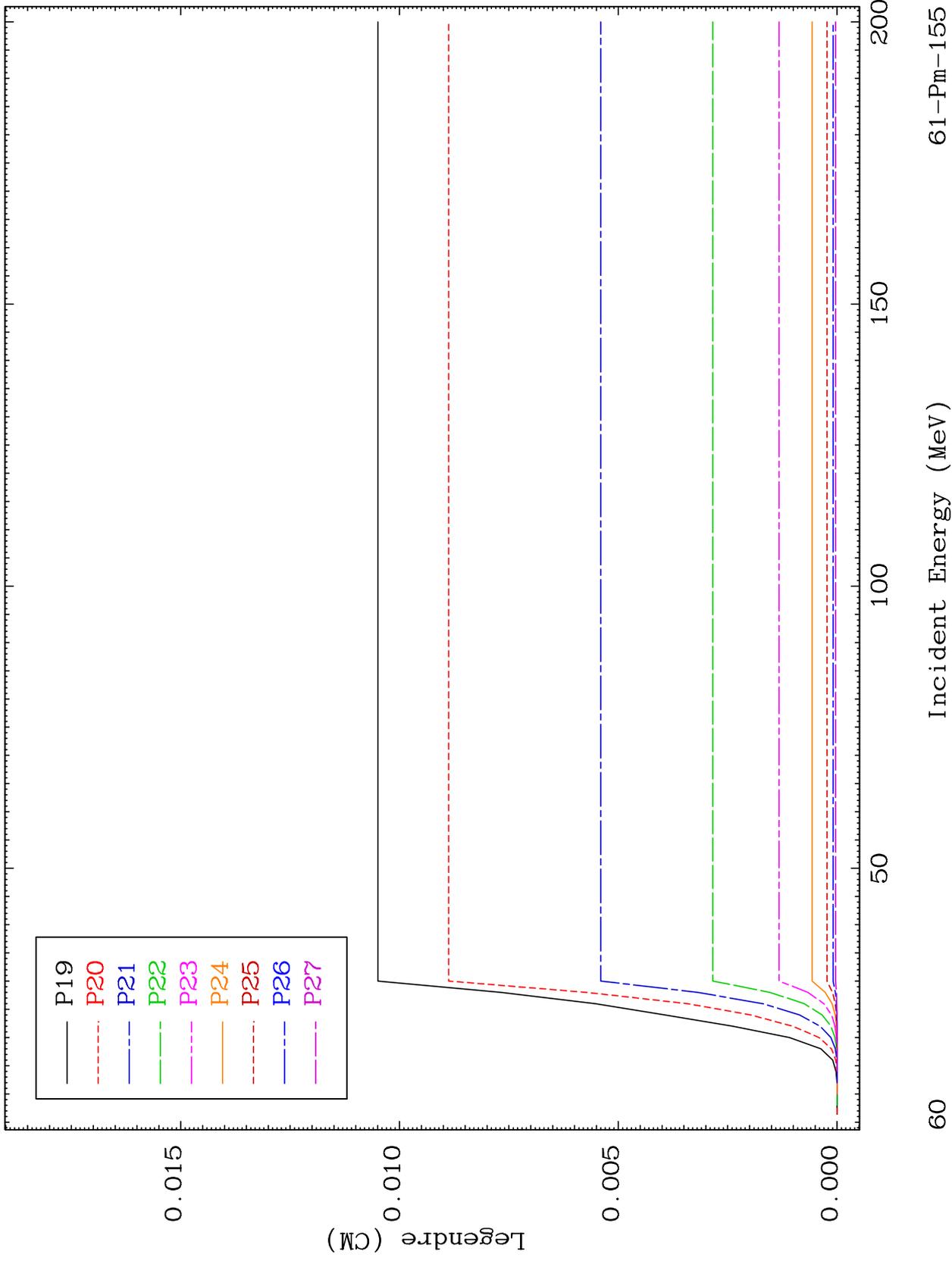




MAT 6173

774.7 keV (n,n') Level  
Legendre Coefficients

61-Pm-155



61-Pm-155

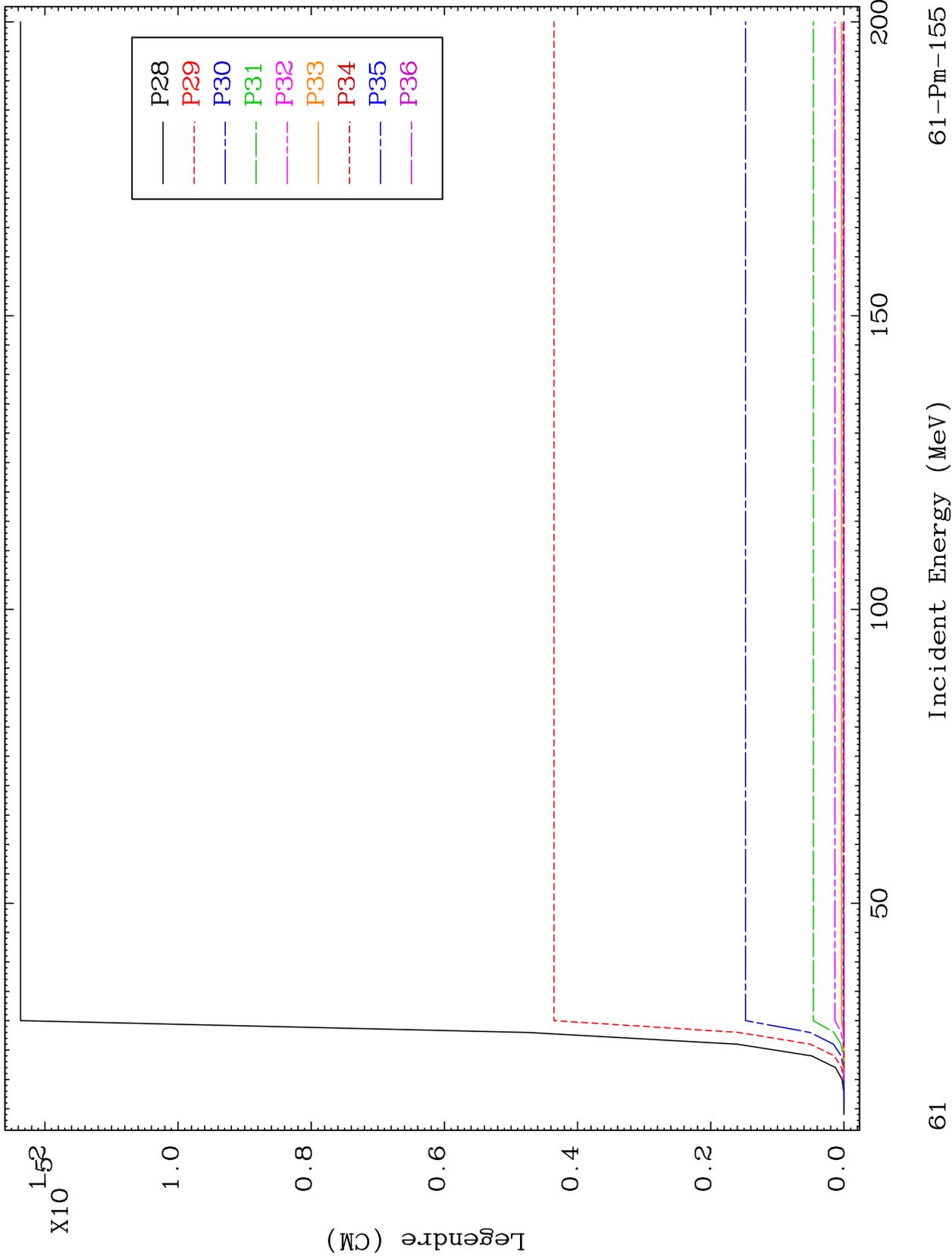
Incident Energy (MeV)

60

MAT 6173

774.7 keV (n,n') Level  
Legendre Coefficients

61-Pm-155

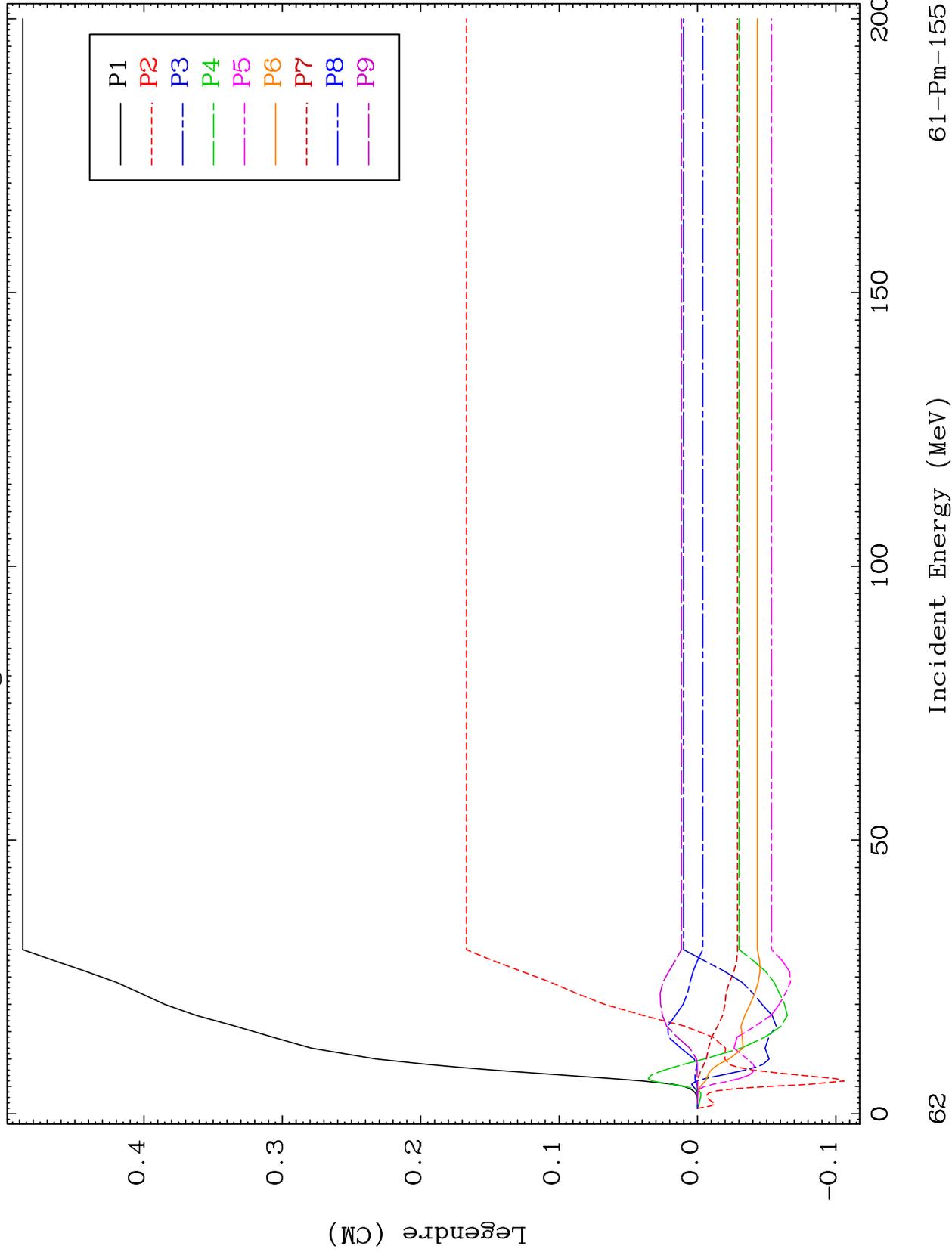


61

MAT 6173

955.1 keV (n,n') Level  
Legendre Coefficients

61-Pm-155



61-Pm-155

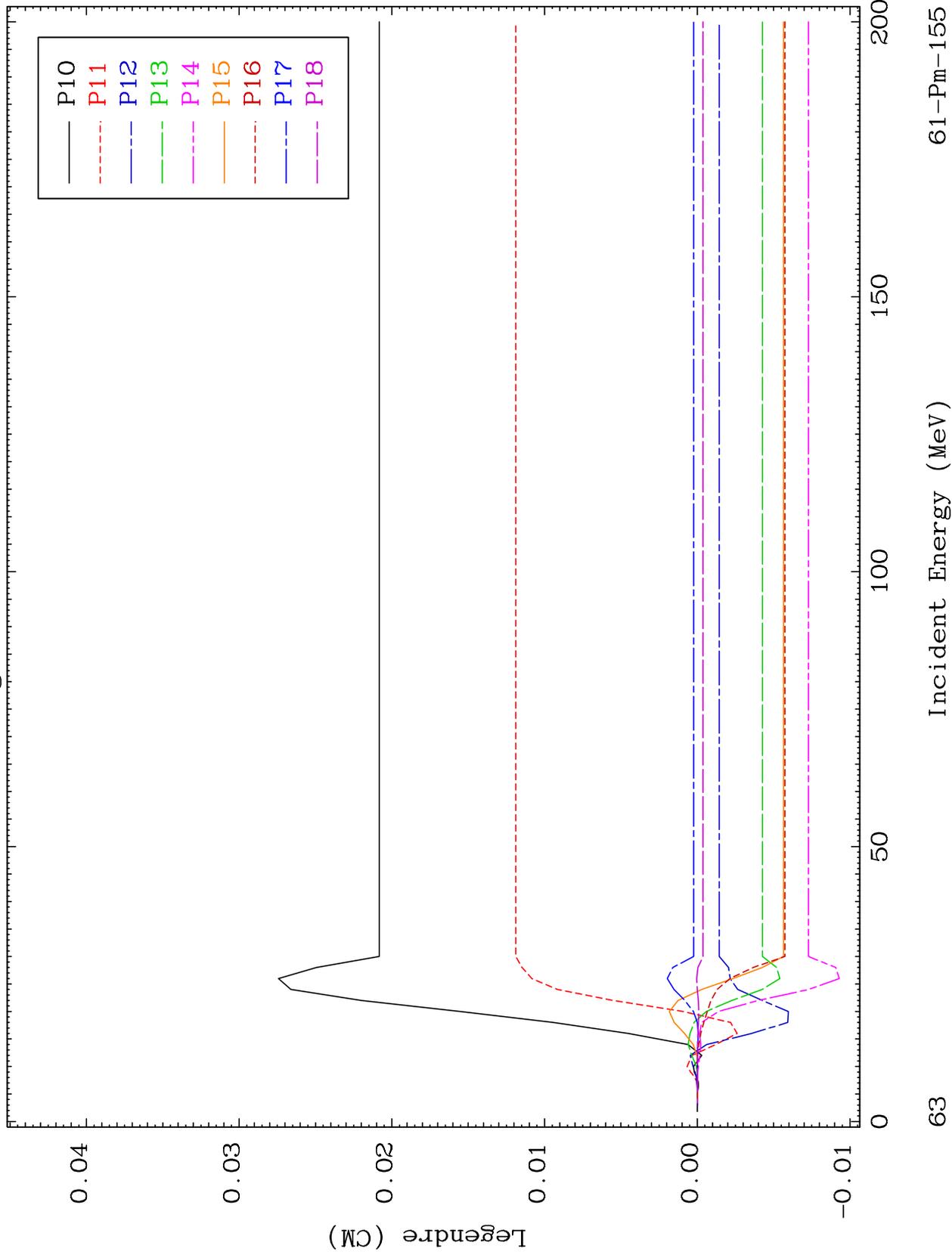
Incident Energy (MeV)

62

MAT 6173

955.1 keV (n,n') Level  
Legendre Coefficients

61-Pm-155



61-Pm-155

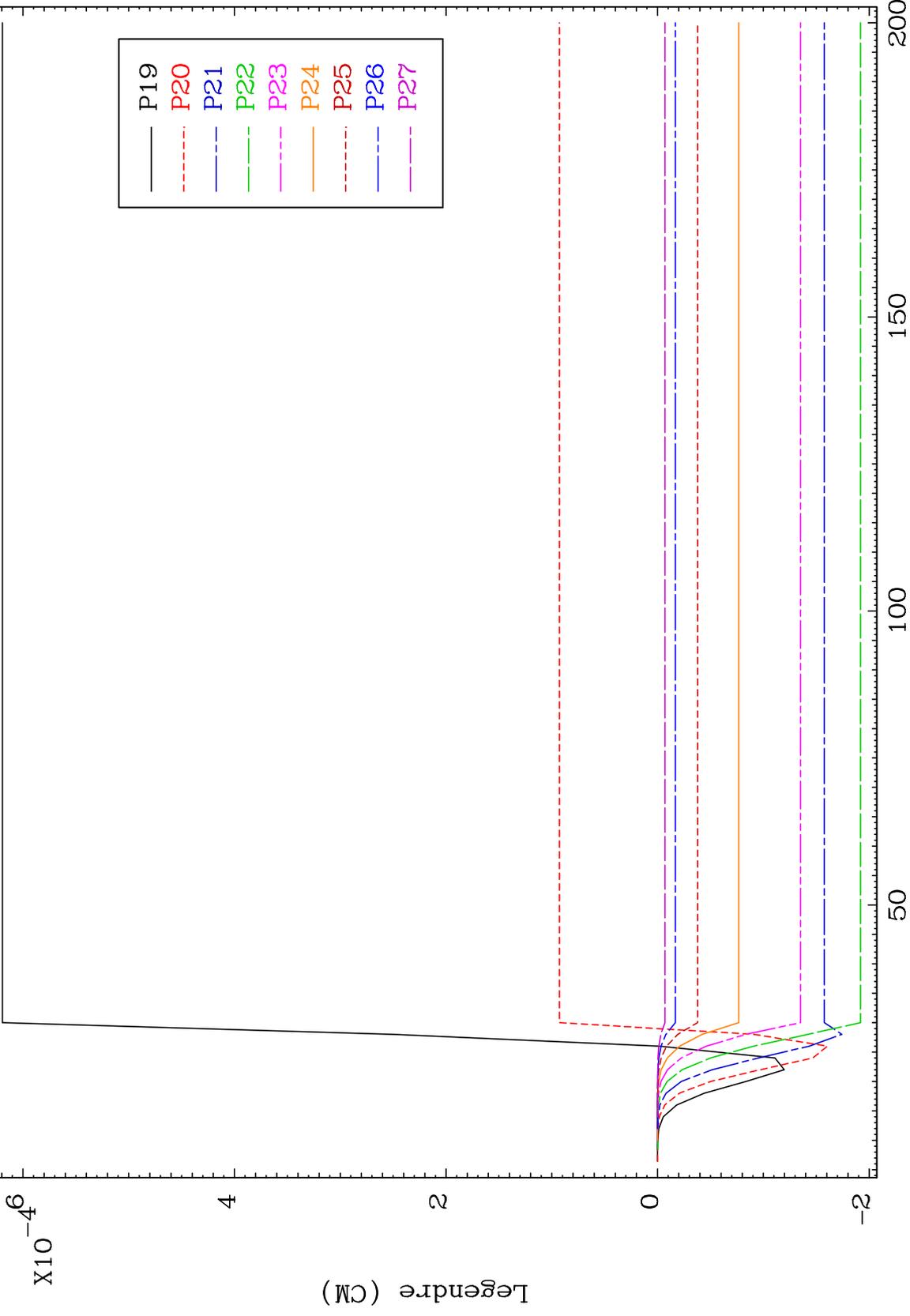
Incident Energy (MeV)

63

MAT 6173

955.1 keV (n,n') Level  
Legendre Coefficients

61-Pm-155



64

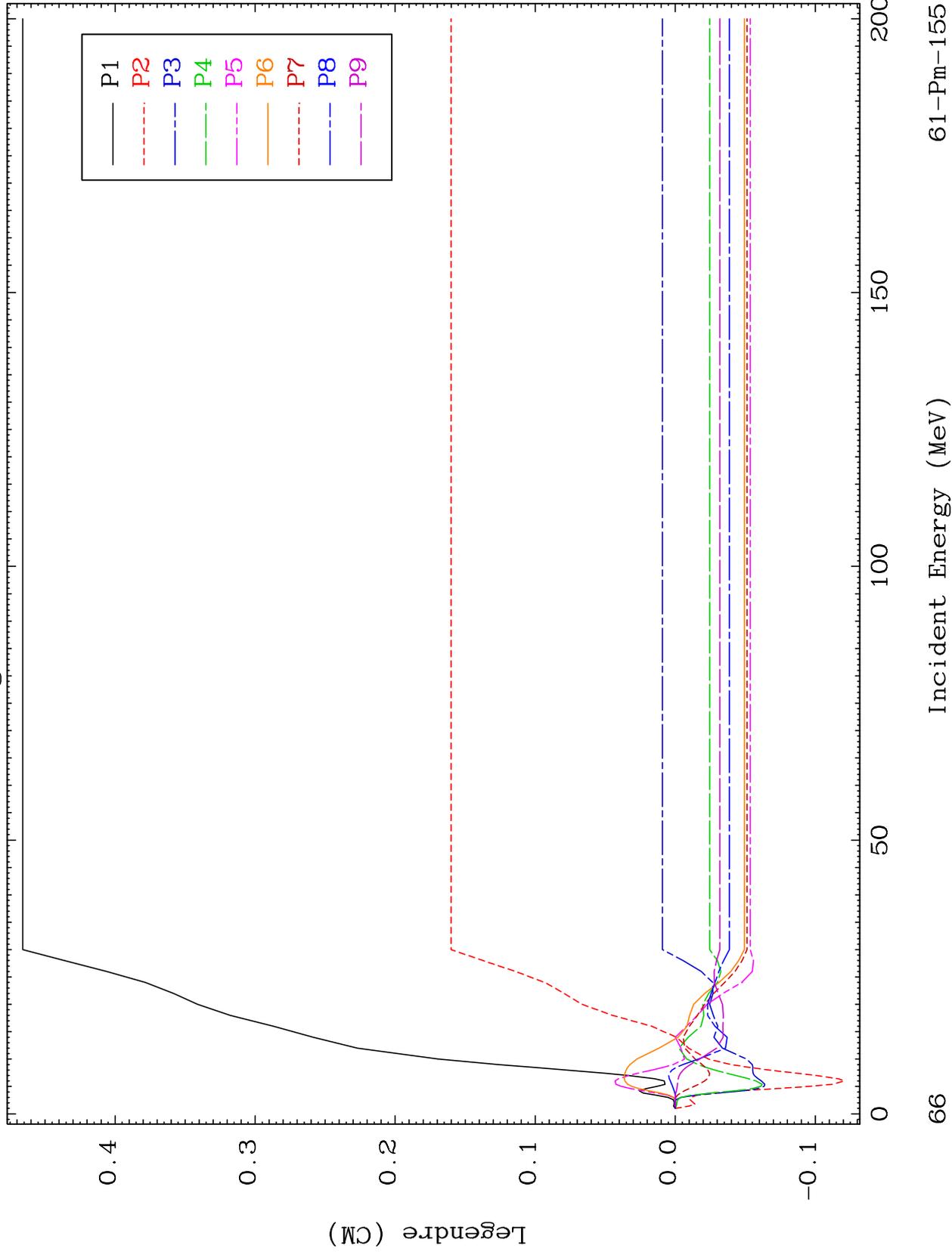
61-Pm-155



MAT 6173

959.4 keV (n,n') Level  
Legendre Coefficients

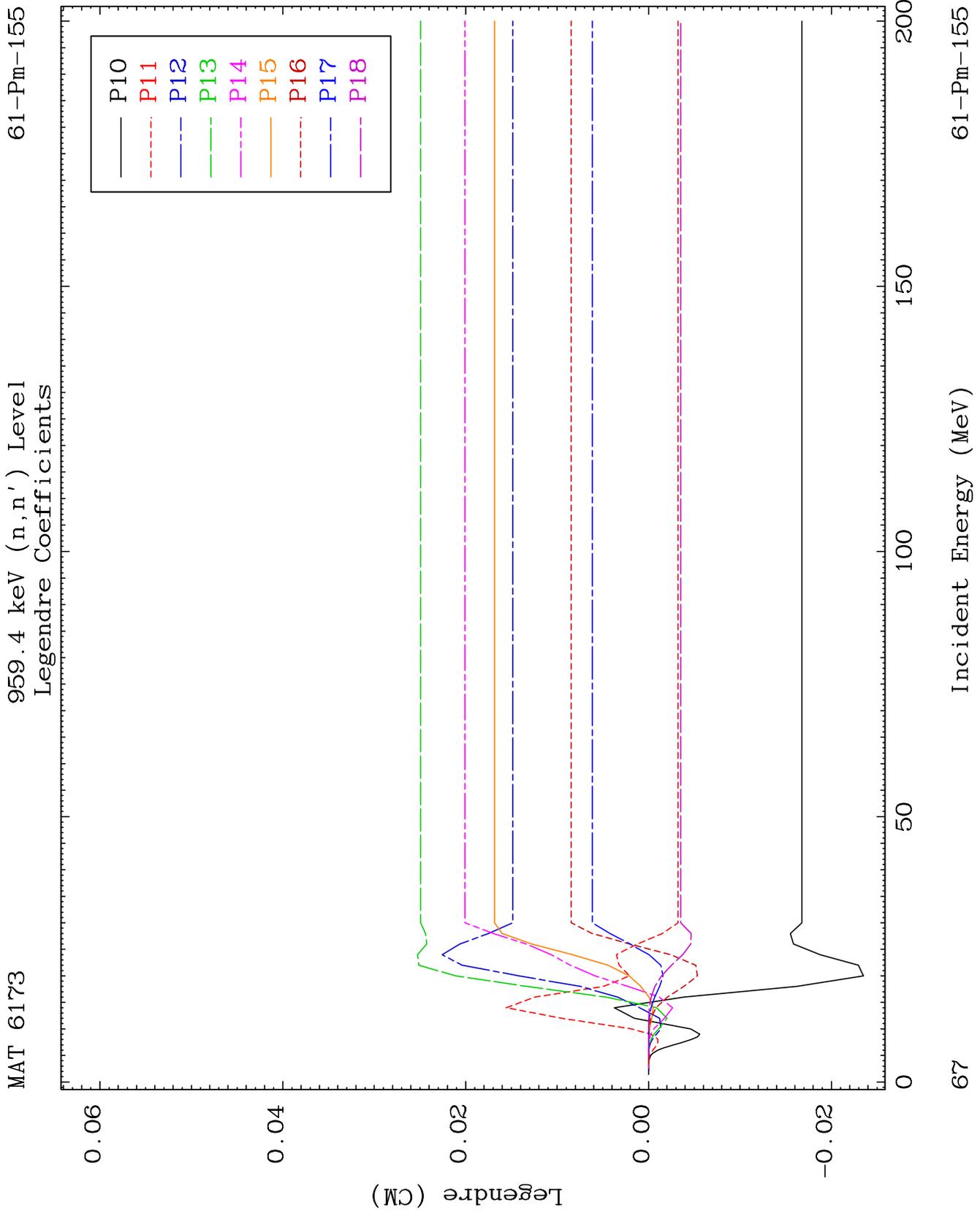
61-Pm-155



61-Pm-155

Incident Energy (MeV)

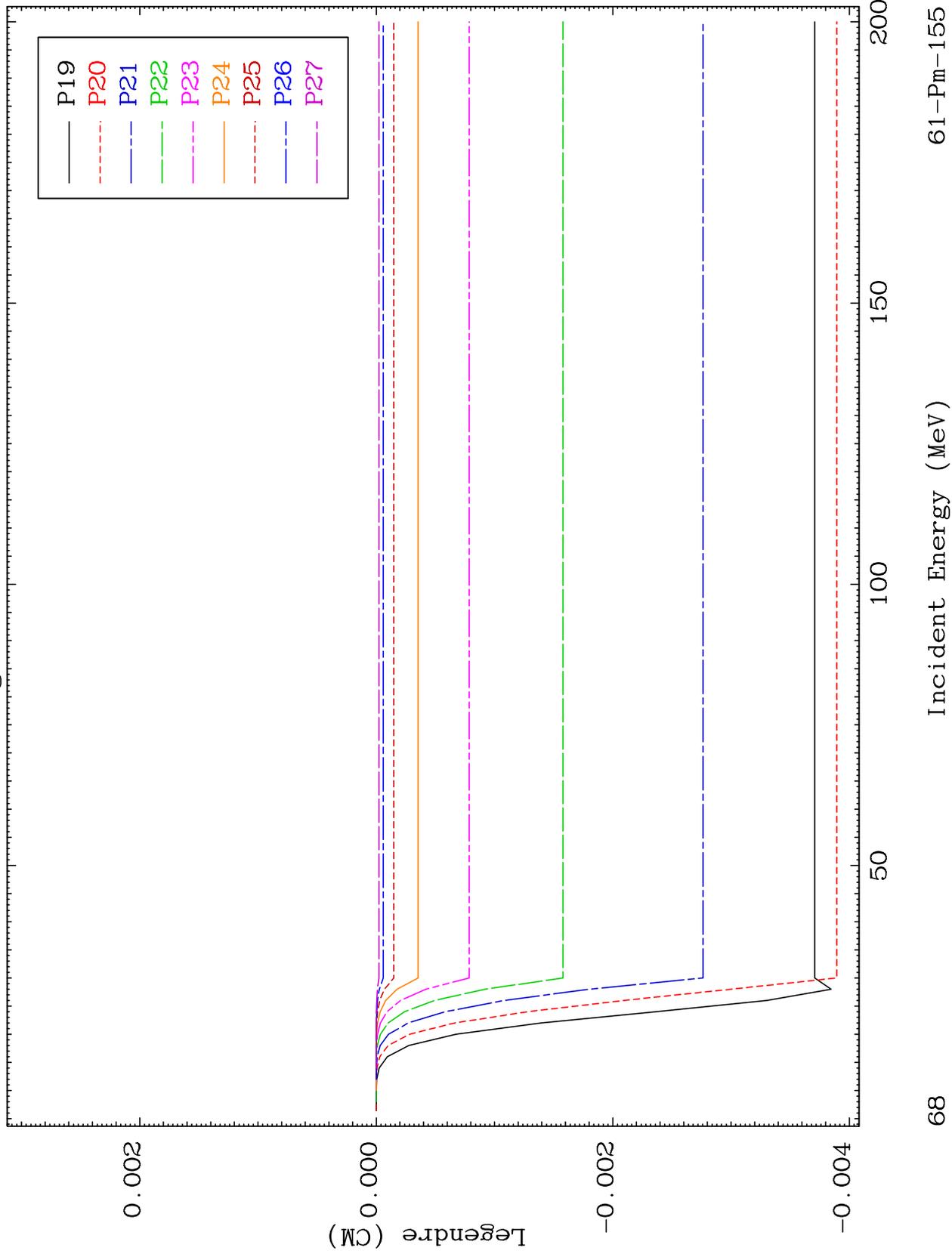
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MAT 6173

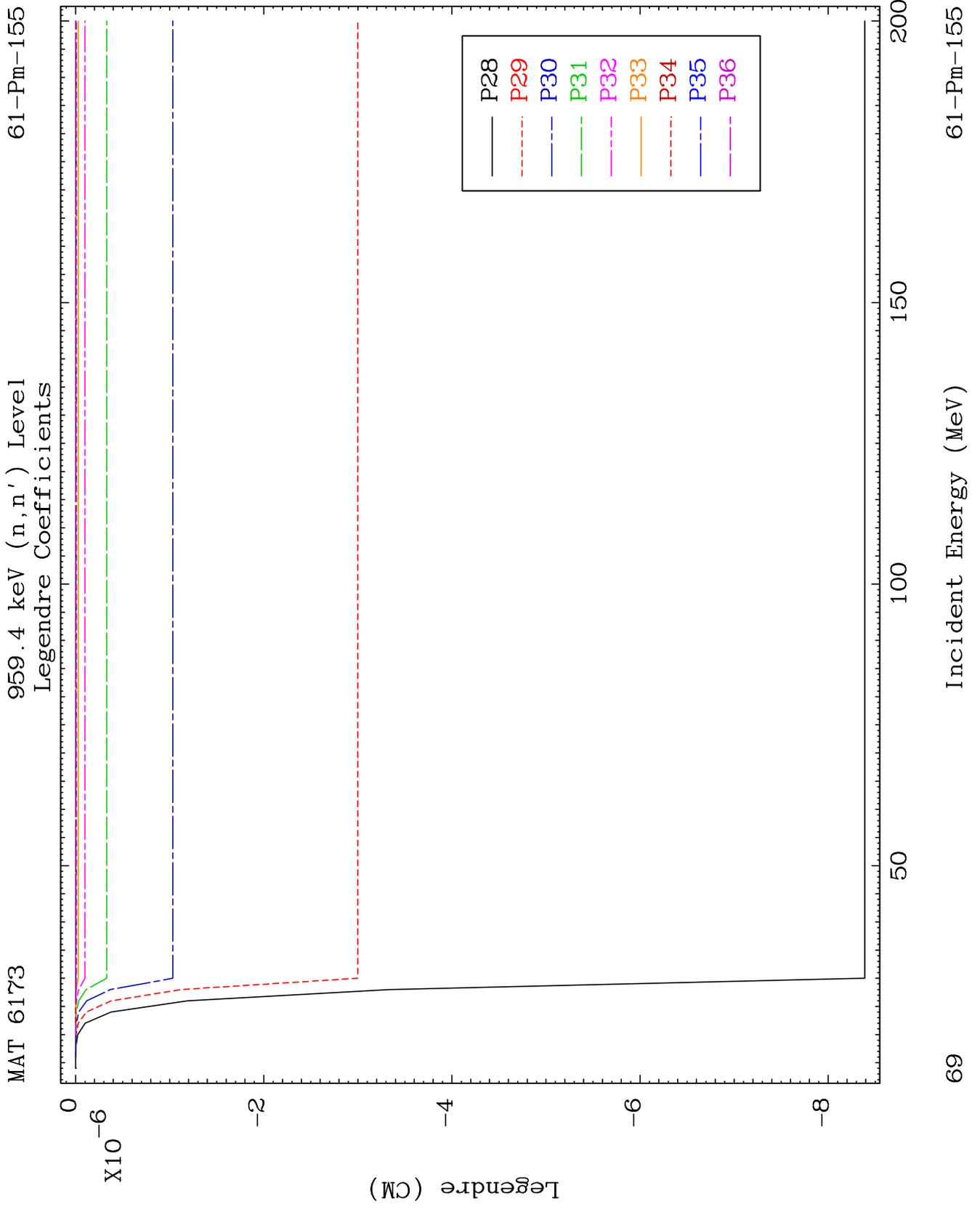
959.4 keV (n,n') Level  
Legendre Coefficients

61-Pm-155

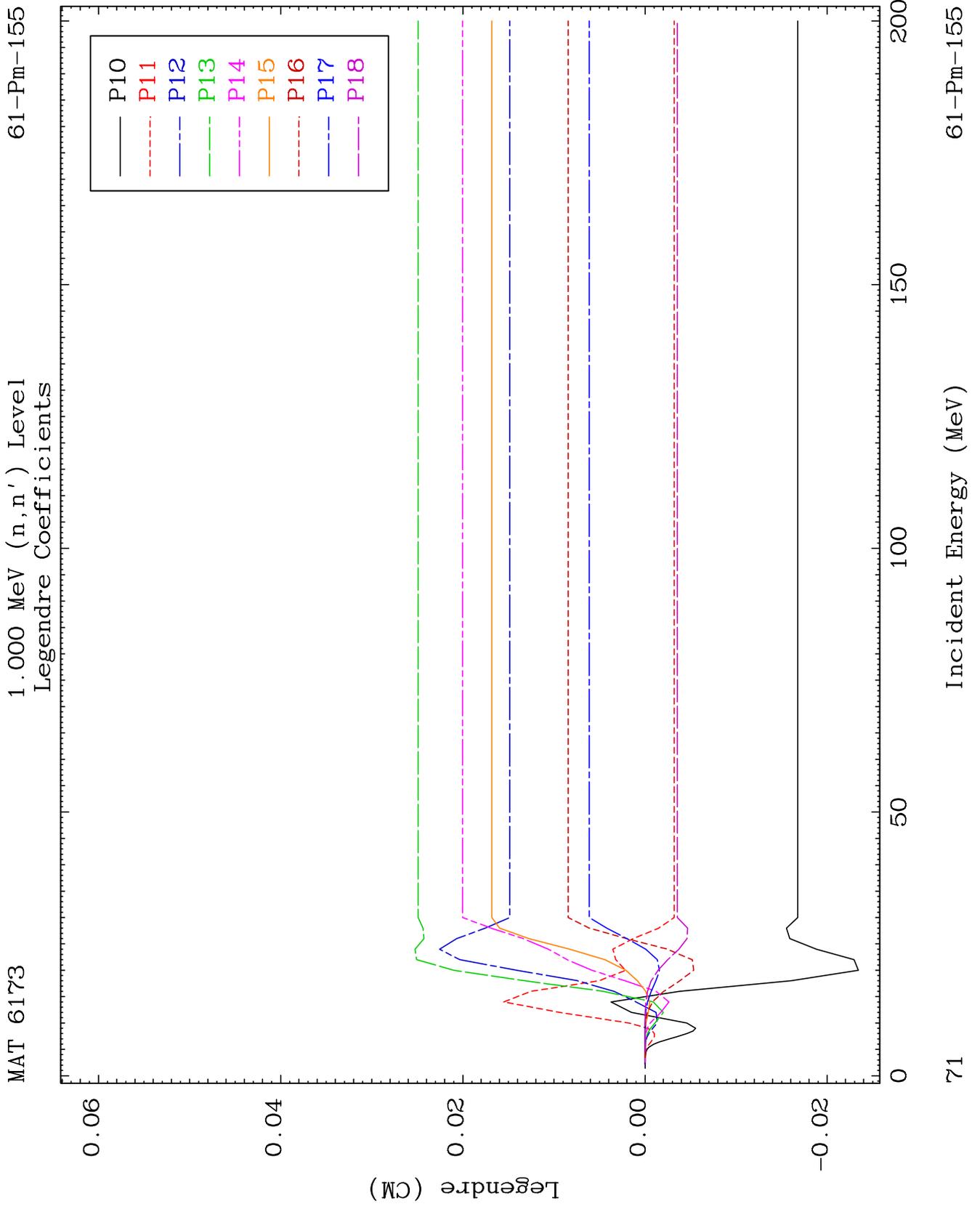


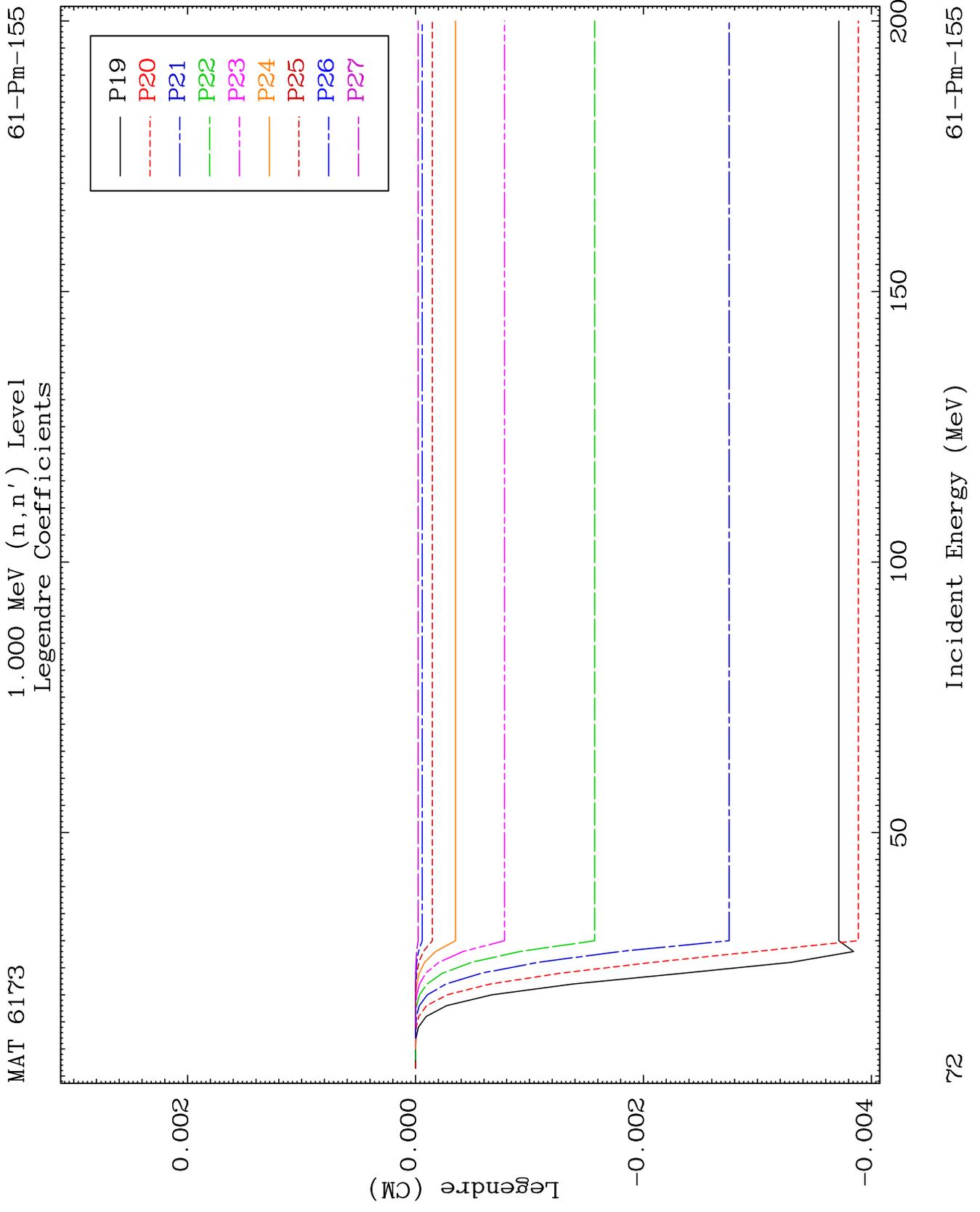
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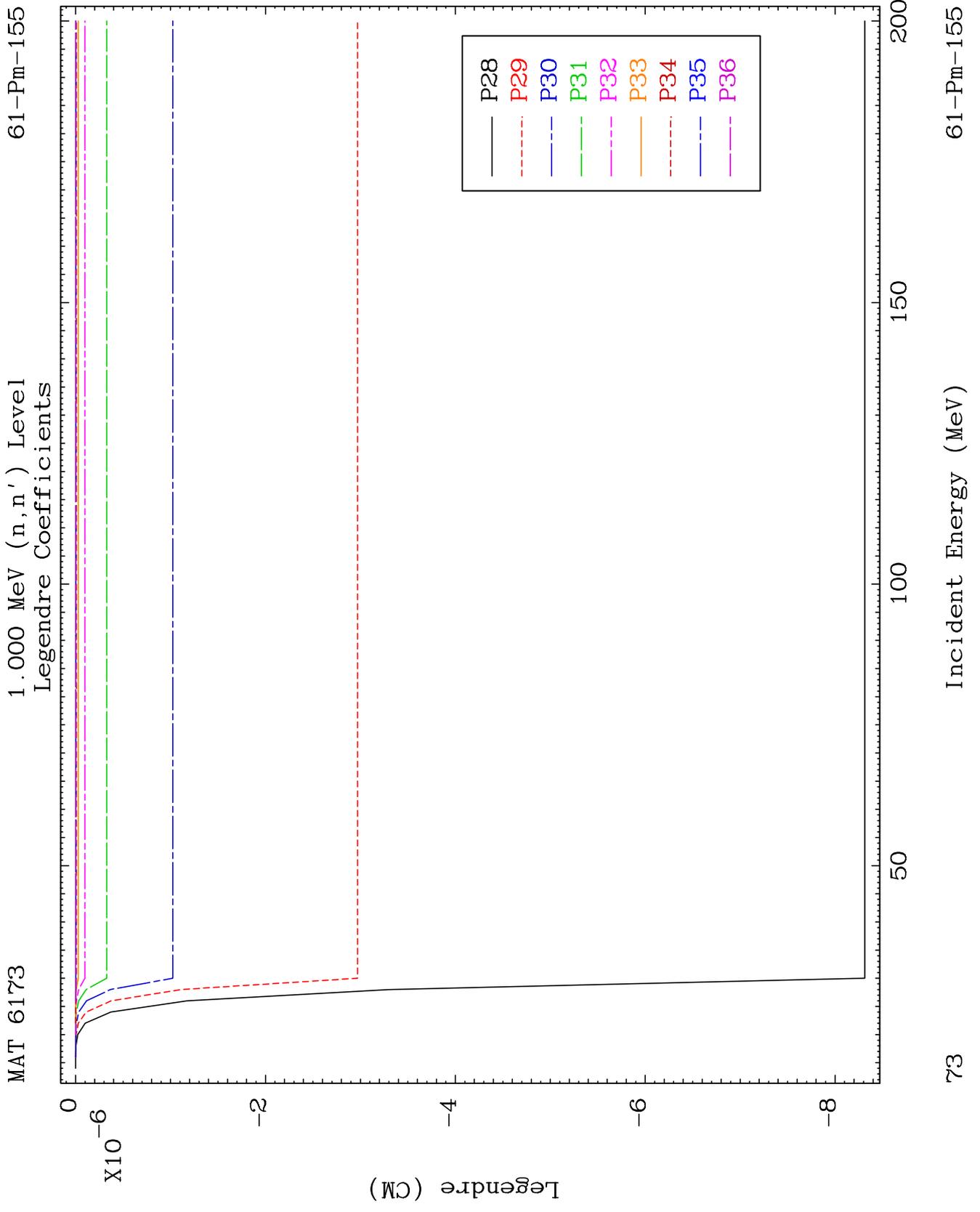
61-Pm-155

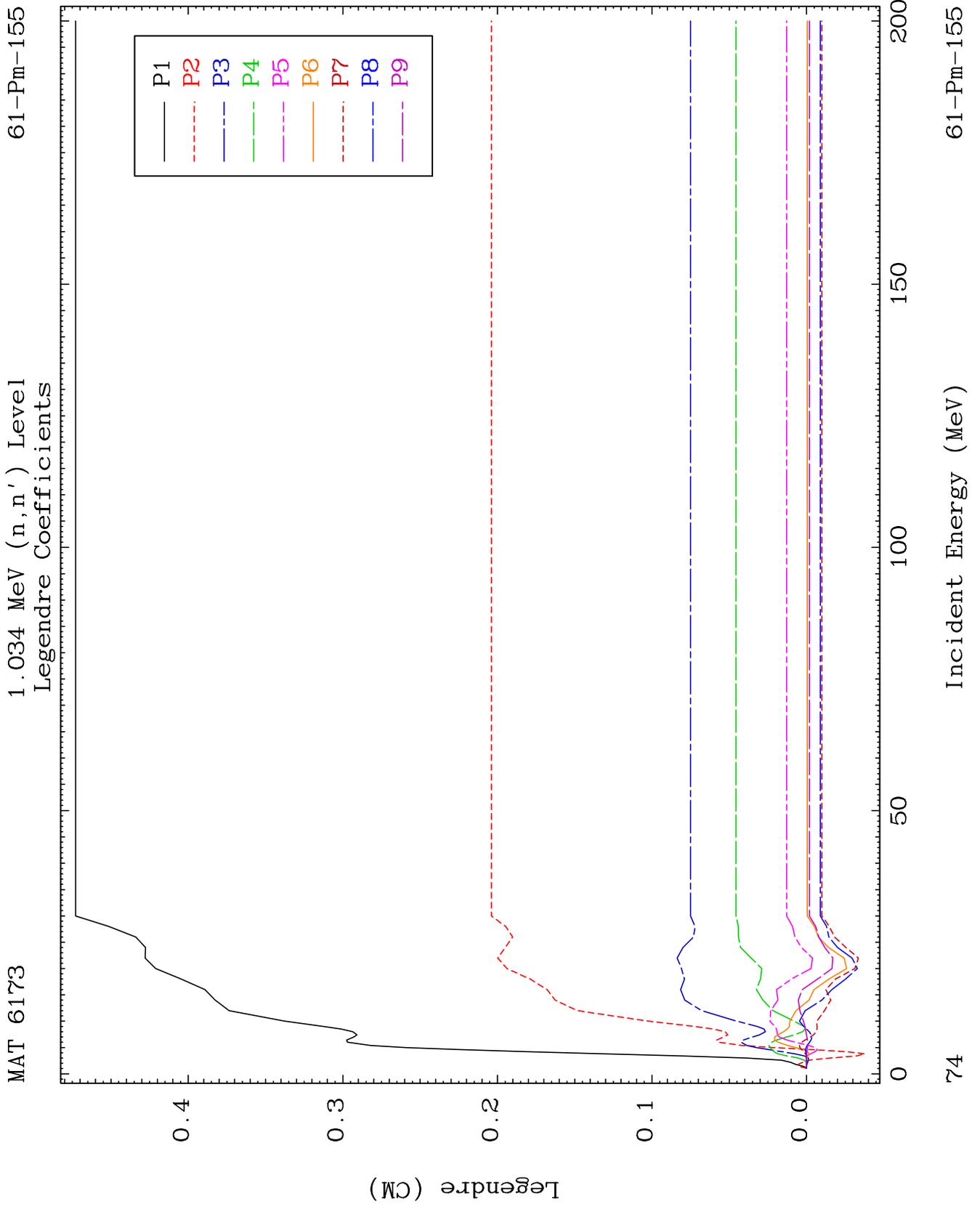








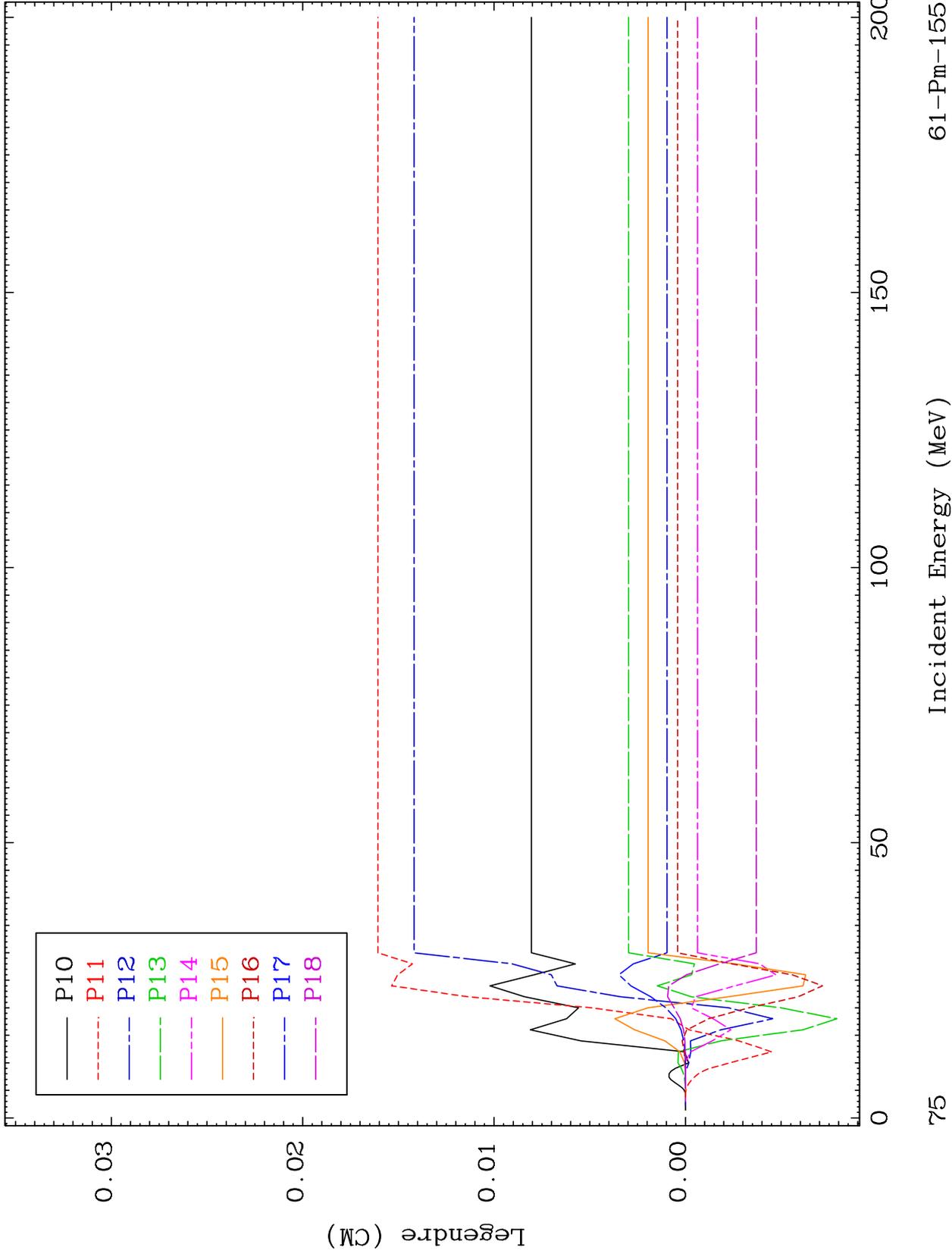




MAT 6173

1.034 MeV (n,n') Level  
Legendre Coefficients

61-Pm-155



75

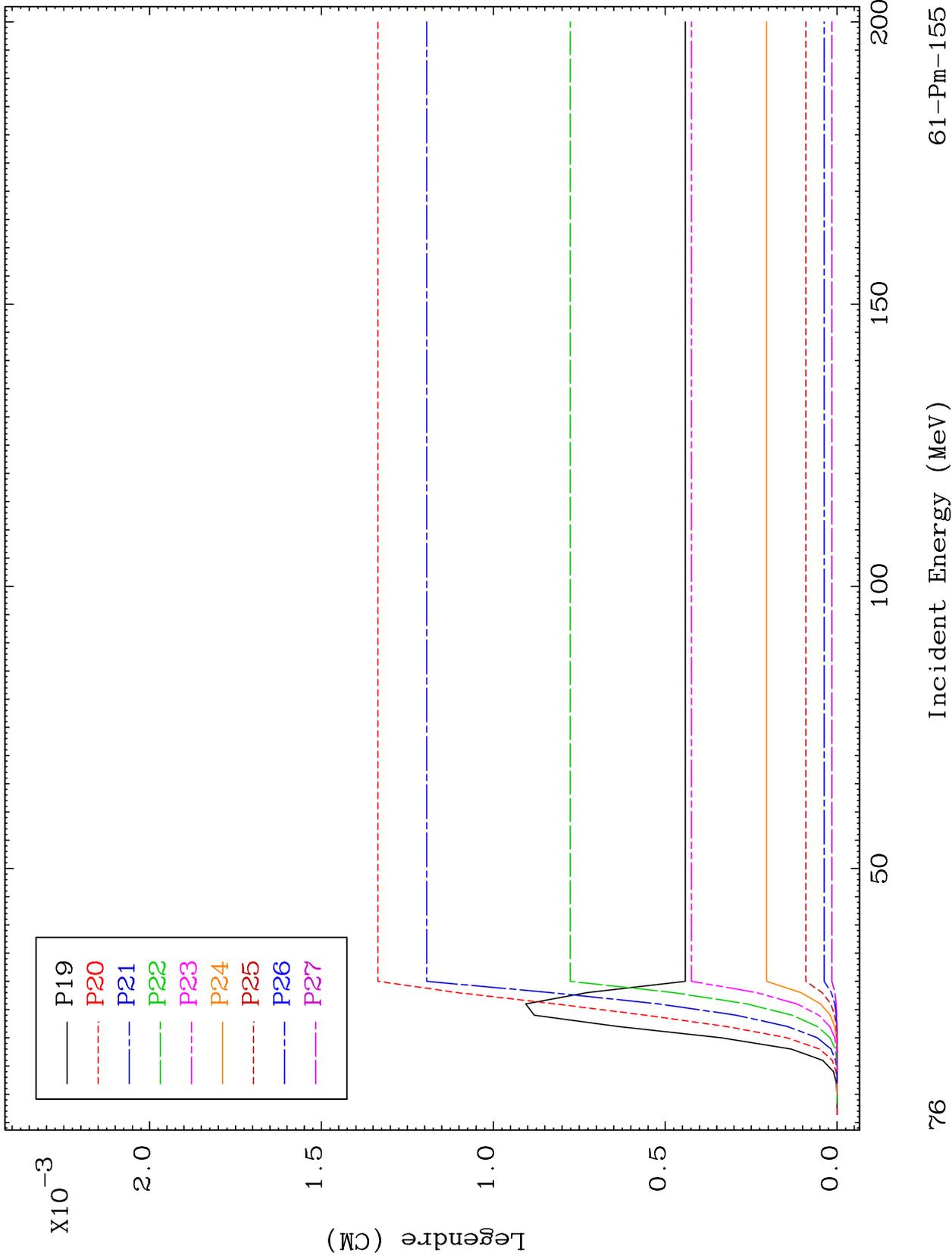
Incident Energy (MeV)

61-Pm-155

MAT 6173

1.034 MeV (n,n') Level  
Legendre Coefficients

61-Pm-155



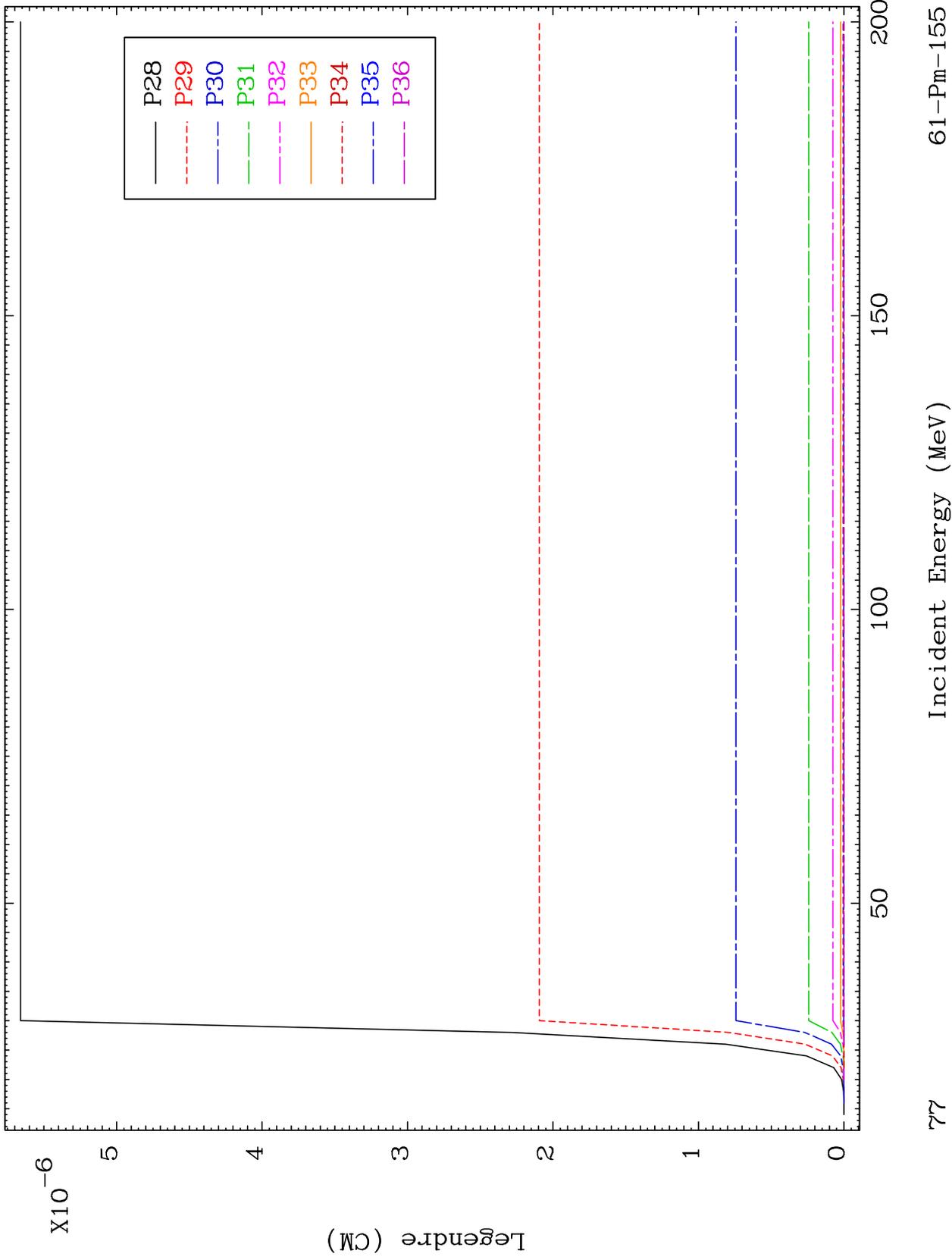
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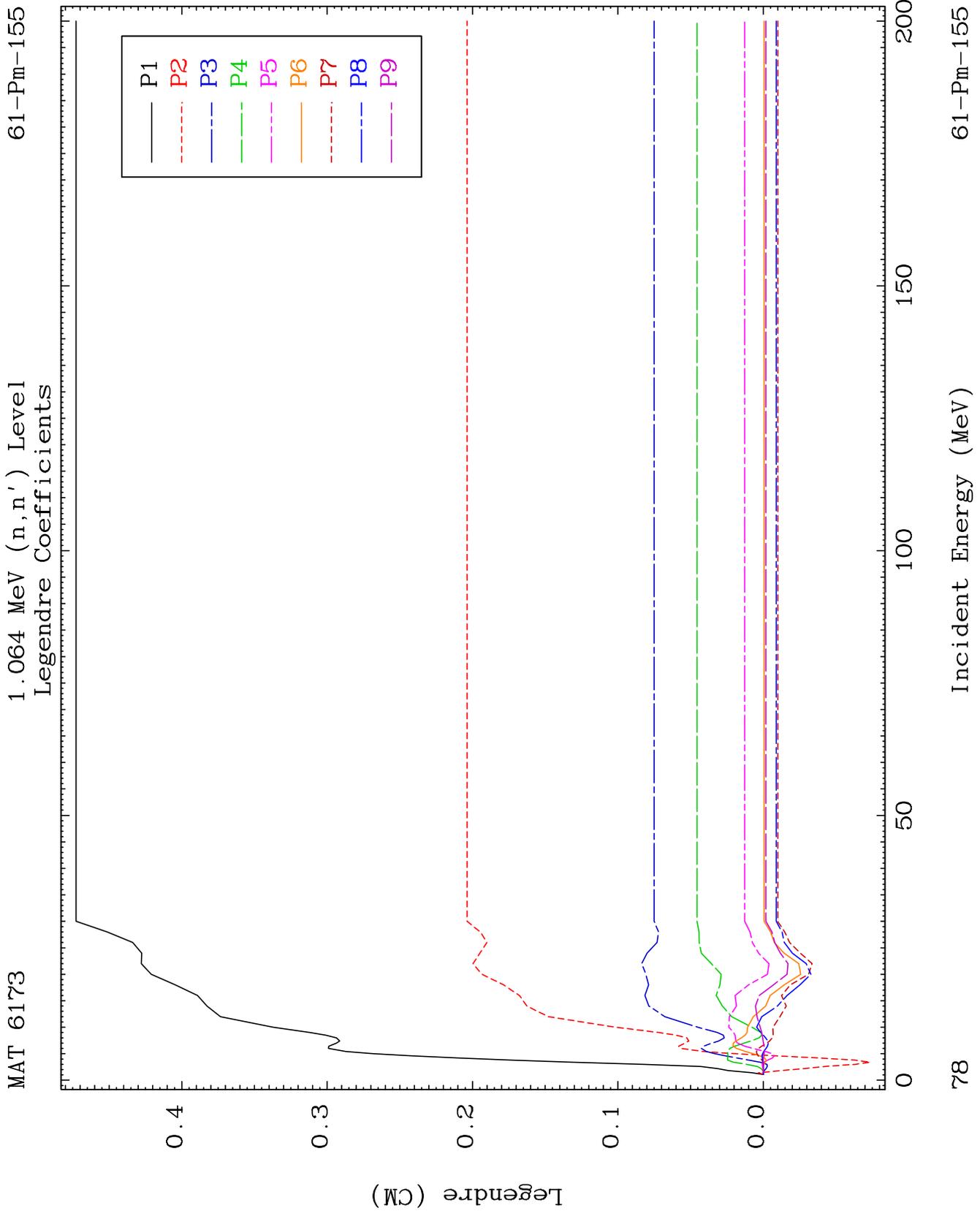
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MAT 6173

1.034 MeV (n,n') Level  
Legendre Coefficients

61-Pm-155

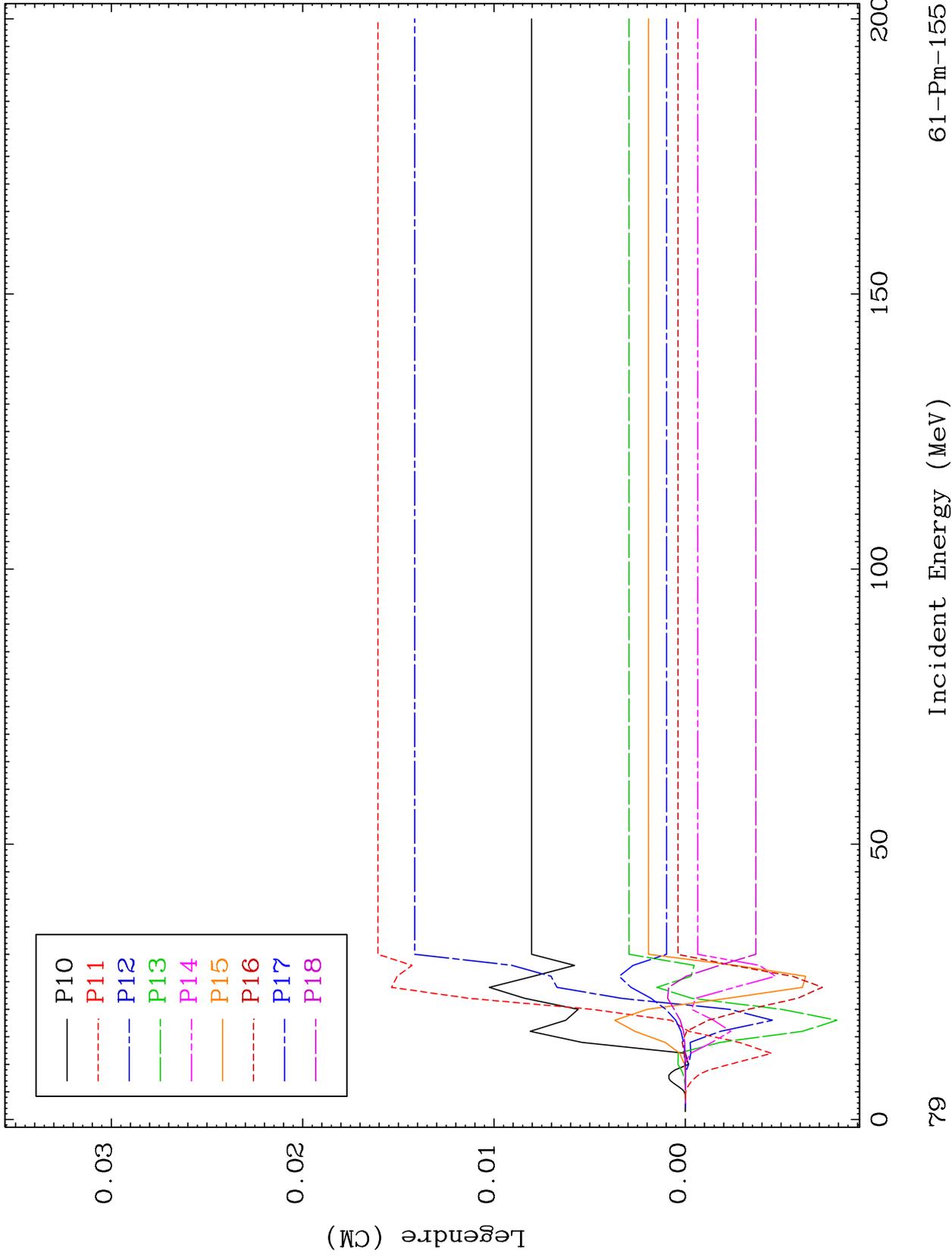




MAT 6173

1.064 MeV (n,n') Level  
Legendre Coefficients

61-Pm-155



79

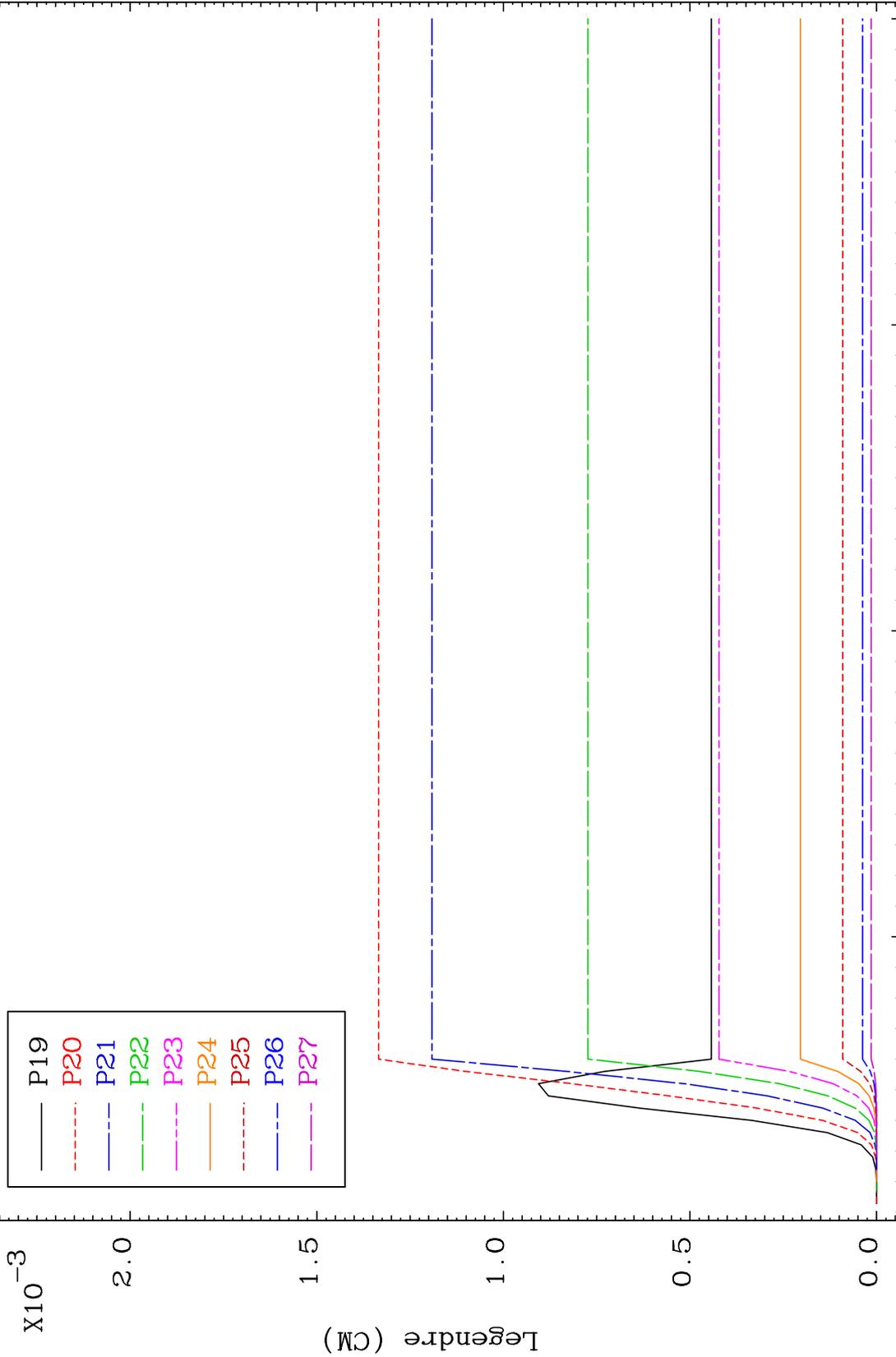
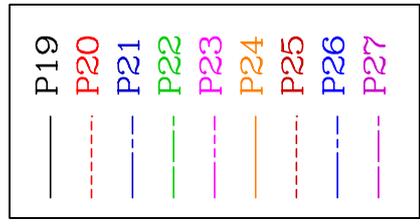
Incident Energy (MeV)

61-Pm-155

MAT 6173

1.064 MeV (n,n') Level  
Legendre Coefficients

61-Pm-155



80

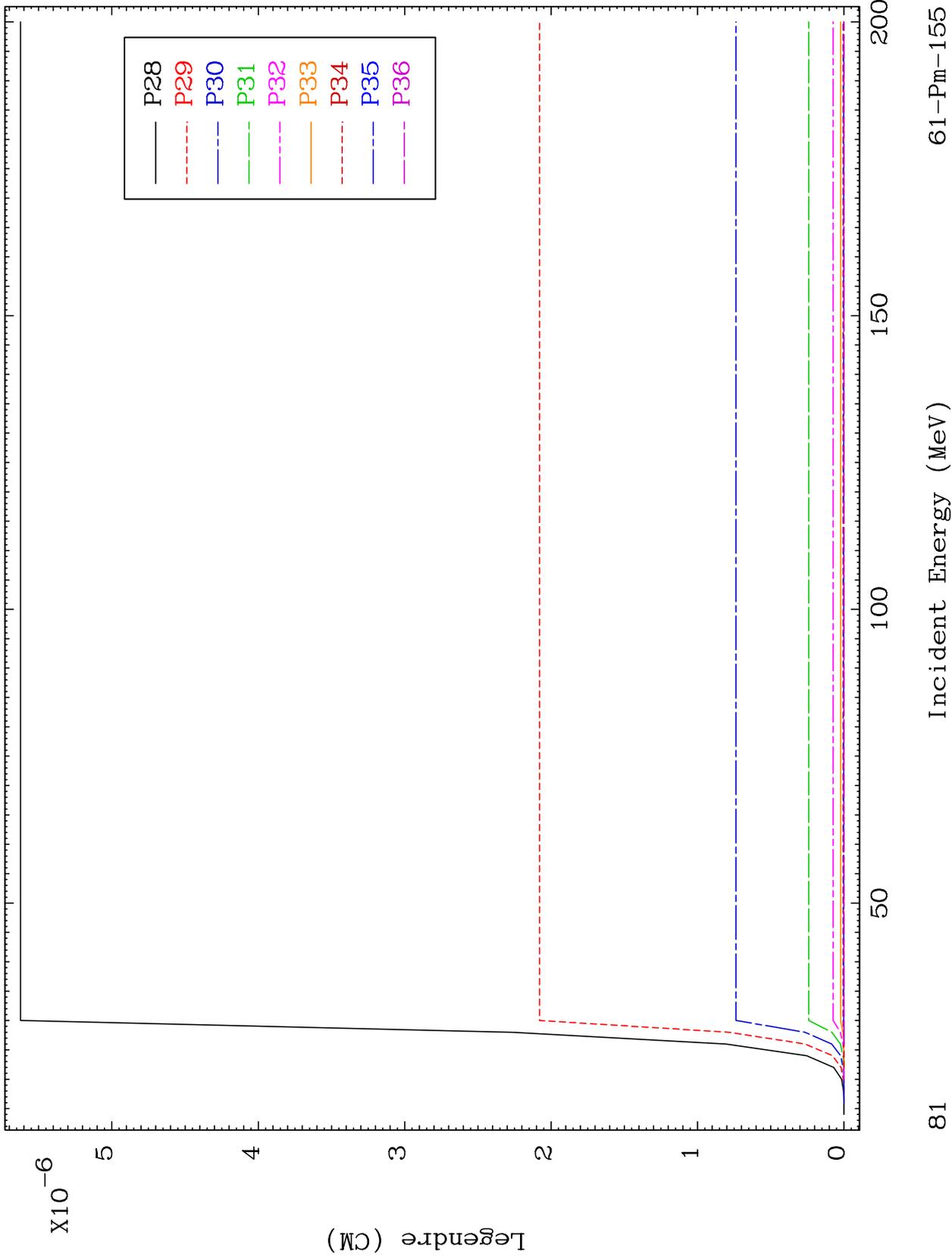
Incident Energy (MeV)

61-Pm-155

MAT 6173

1.064 MeV (n,n') Level  
Legendre Coefficients

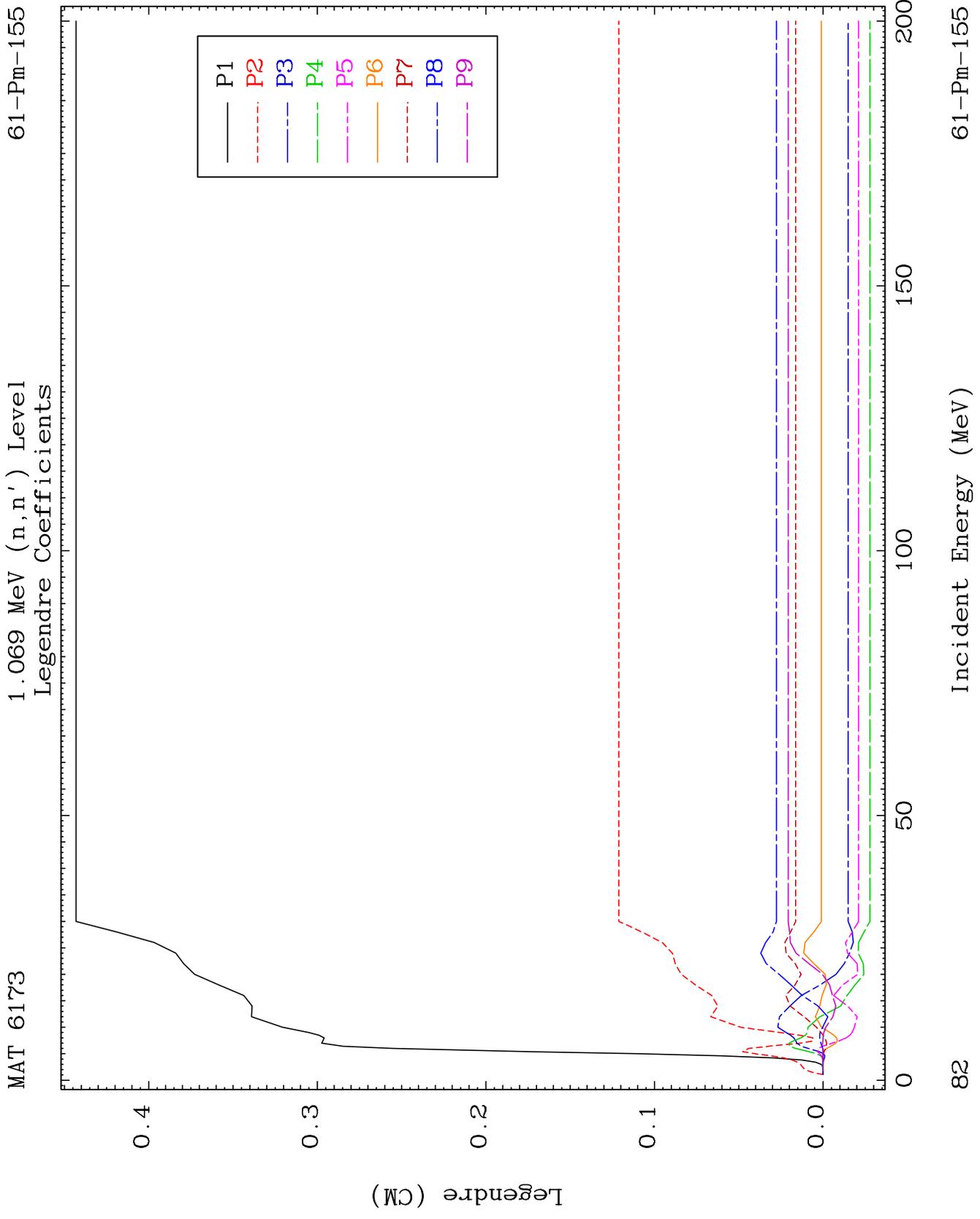
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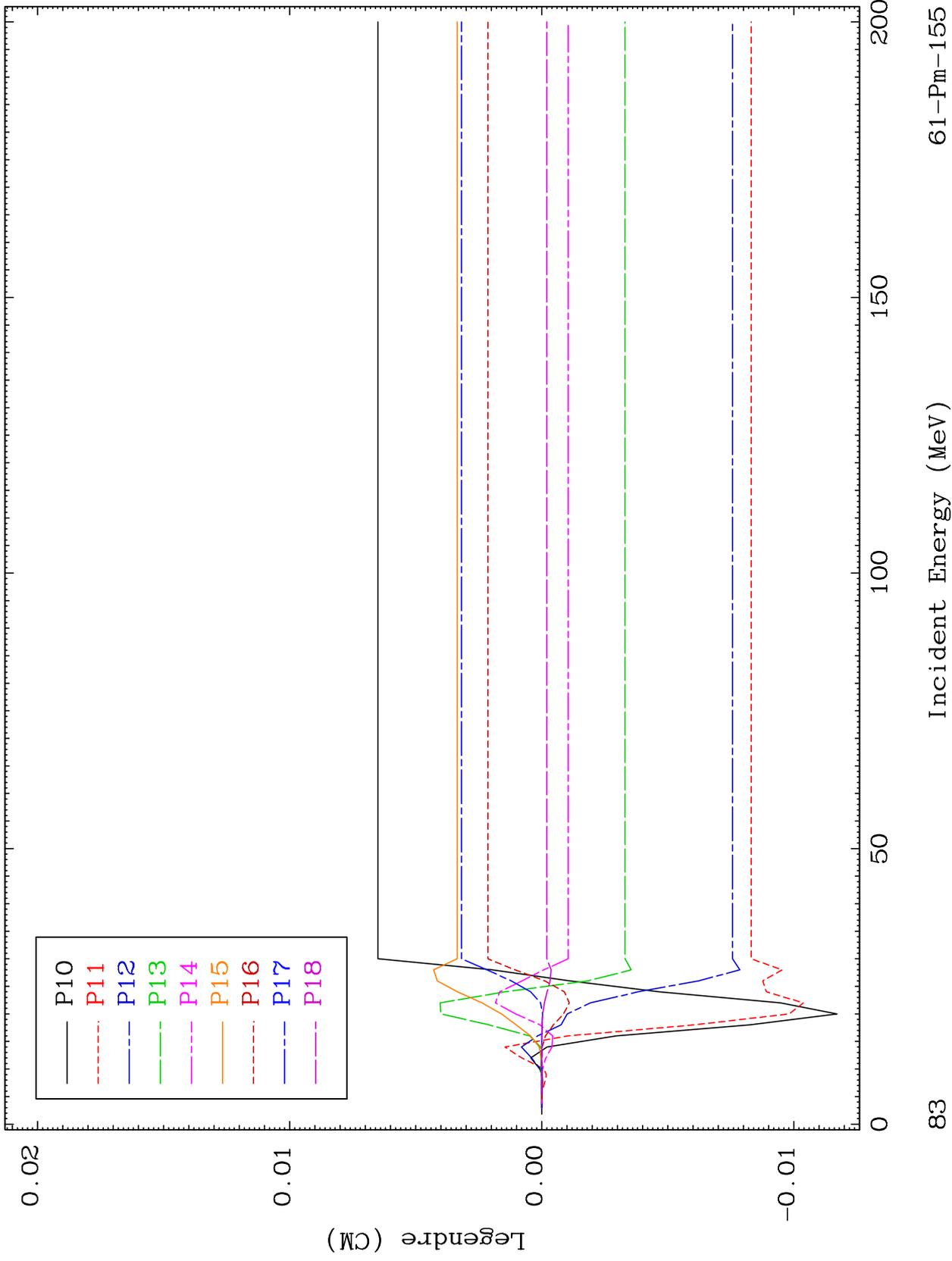


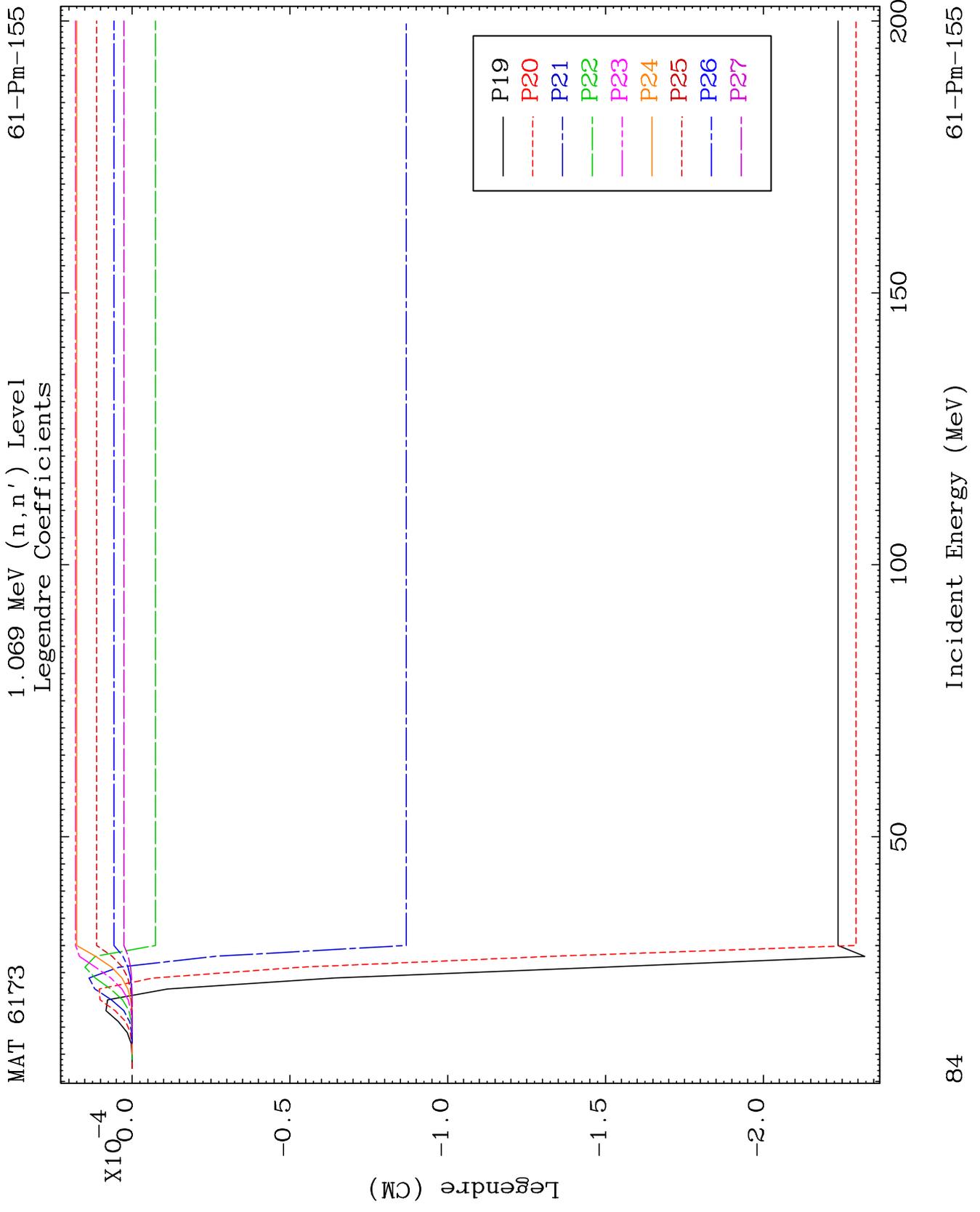
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Incident Energy (MeV)

61-Pm-155



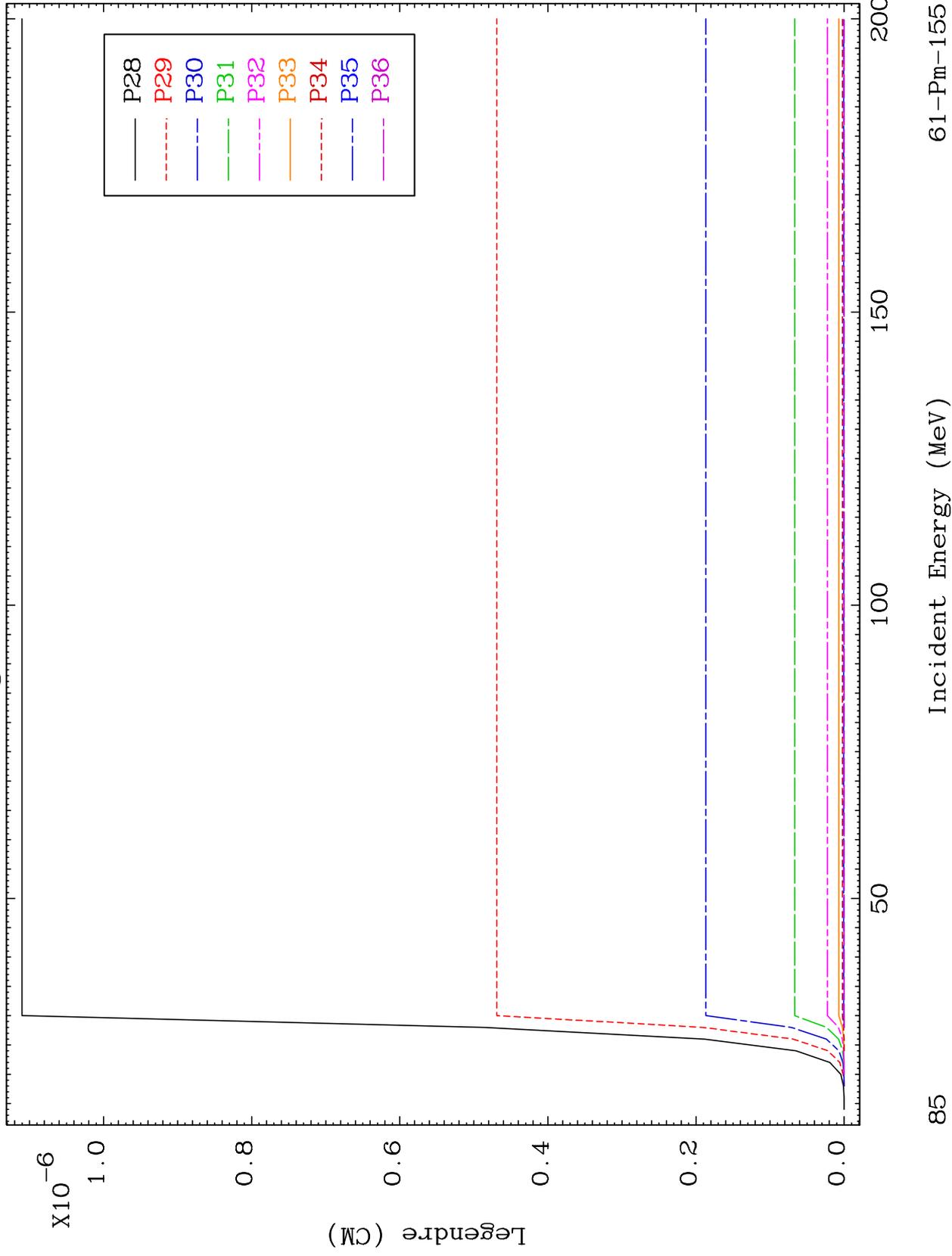




MAT 6173

1.069 MeV (n,n') Level  
Legendre Coefficients

61-Pm-155



85

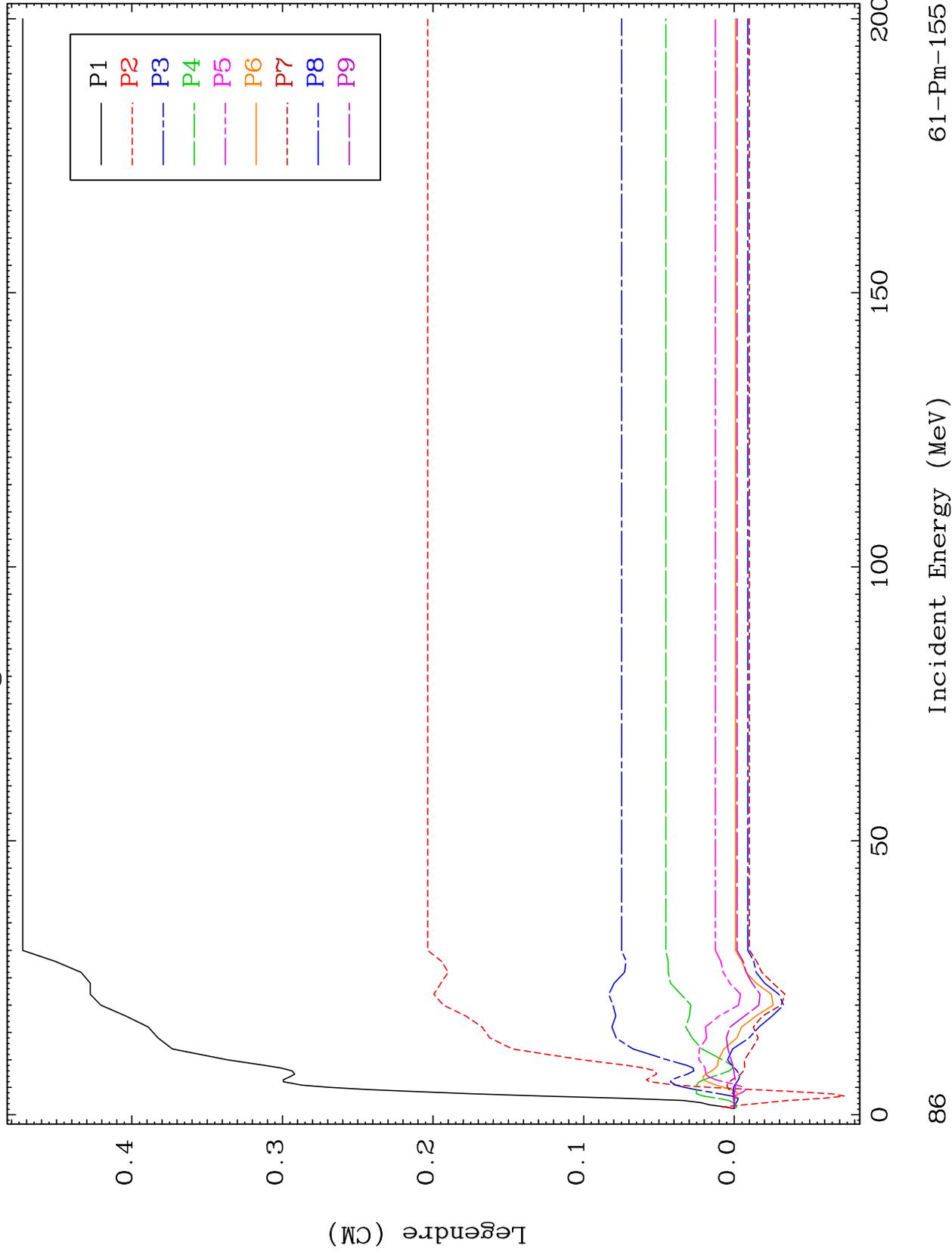
Incident Energy (MeV)

61-Pm-155

MAT 6173

1.114 MeV (n,n') Level  
Legendre Coefficients

61-Pm-155



86

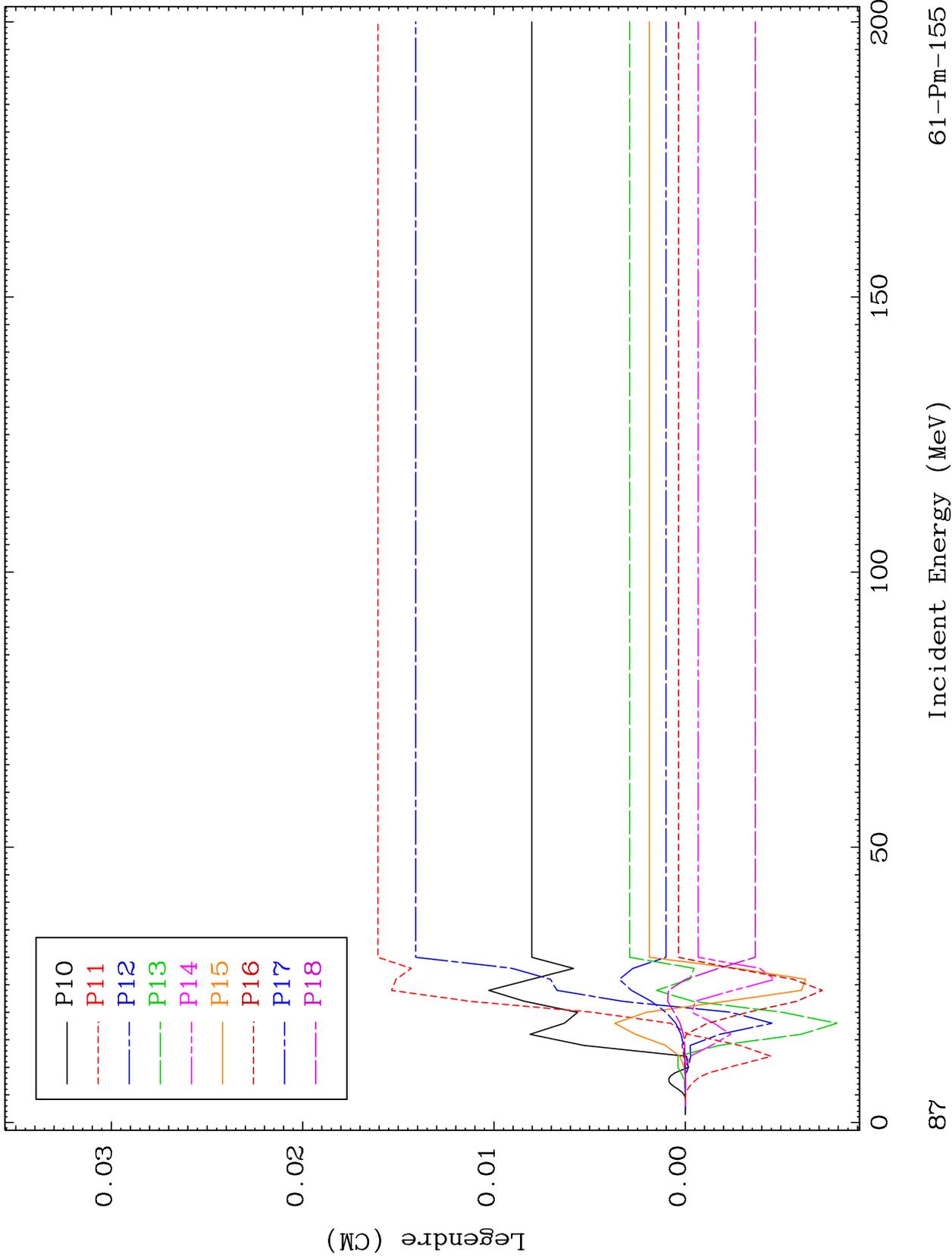
Incident Energy (MeV)

61-Pm-155

MAT 6173

1.114 MeV (n,n') Level  
Legendre Coefficients

61-Pm-155



87

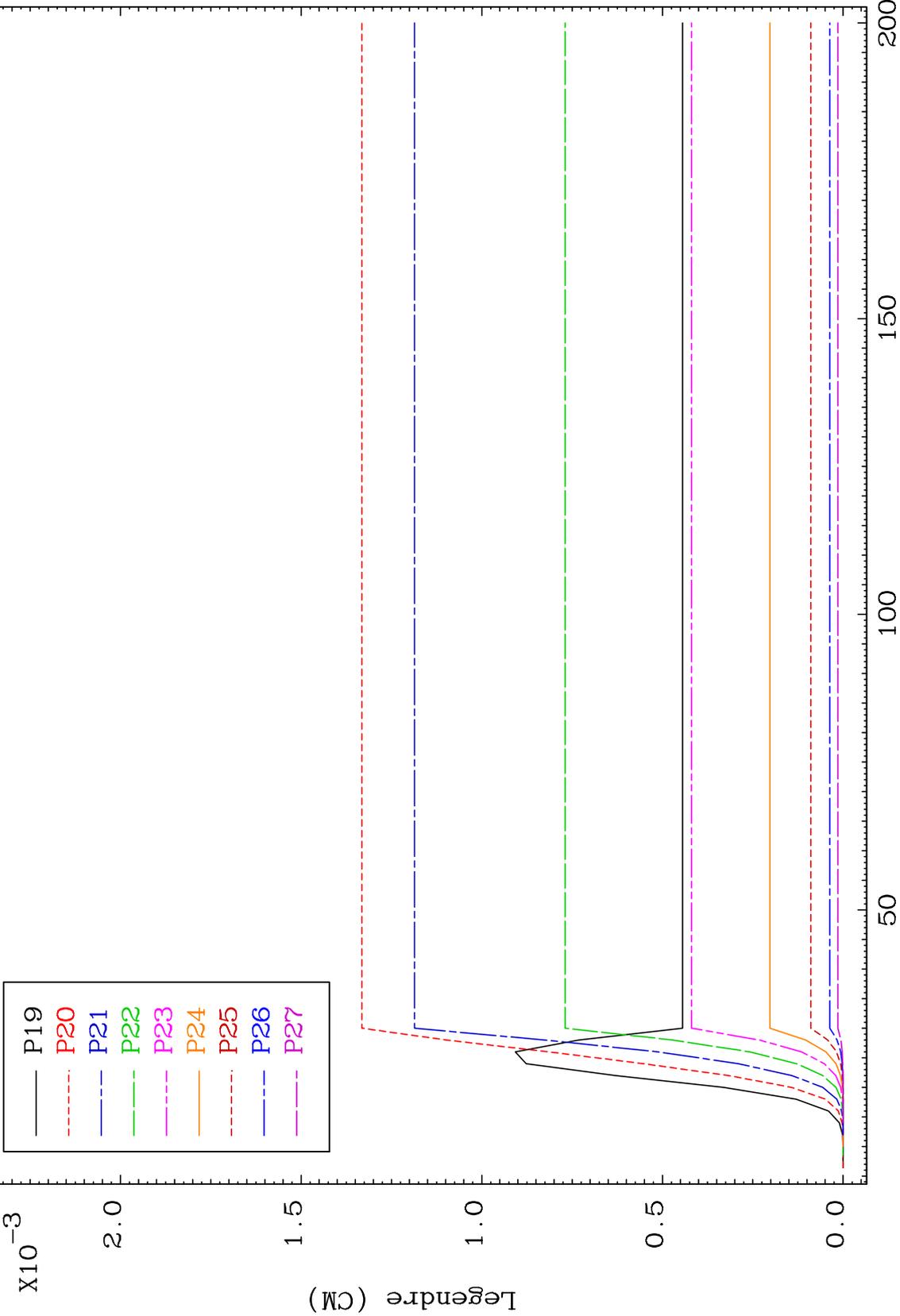
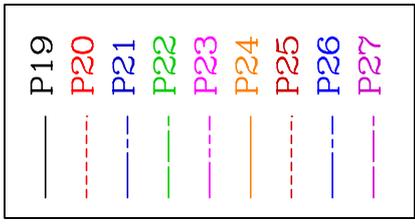
Incident Energy (MeV)

61-Pm-155

MAT 6173

1.114 MeV (n,n') Level  
Legendre Coefficients

61-Pm-155



88

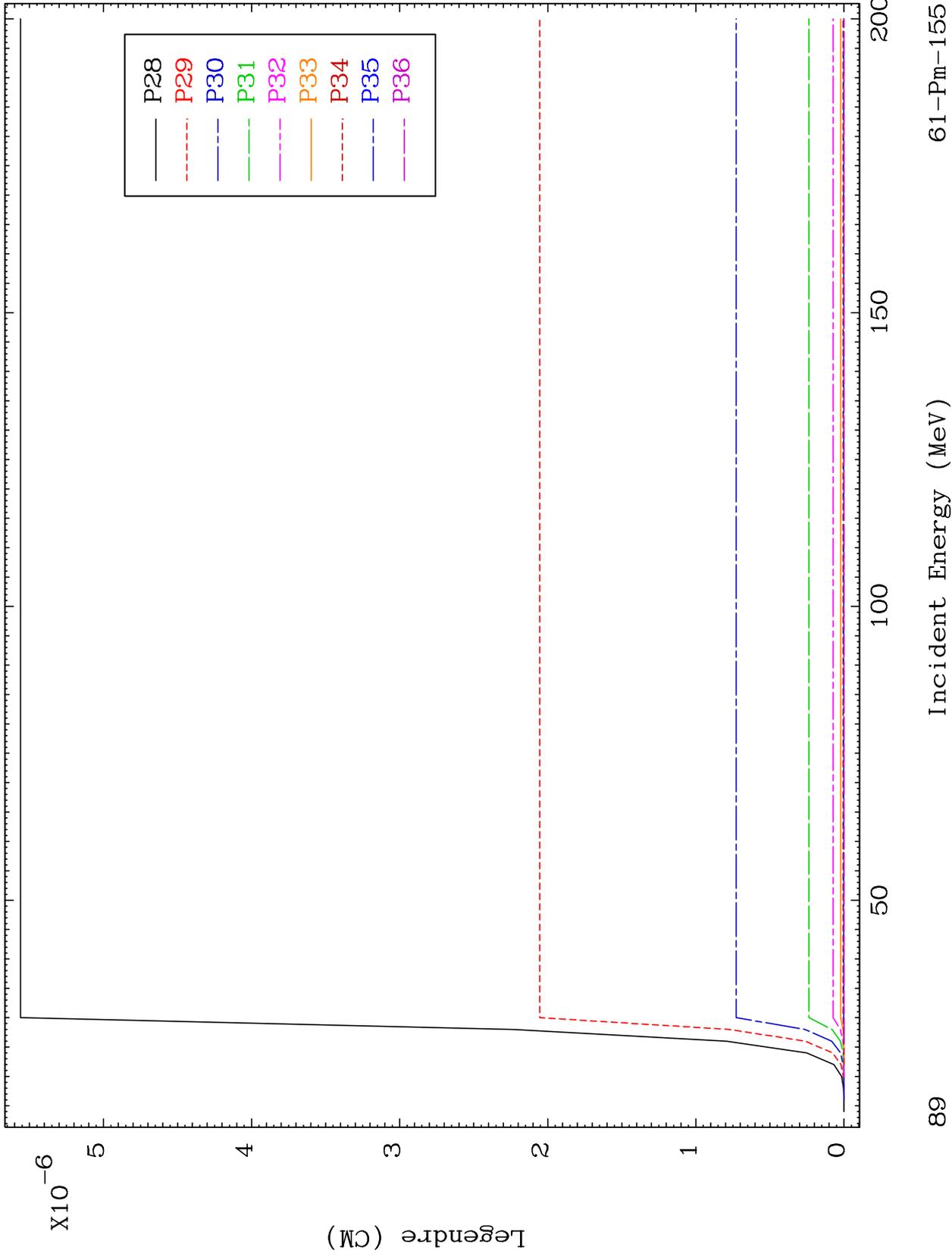
Incident Energy (MeV)

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MAT 6173

1.114 MeV (n,n') Level  
Legendre Coefficients

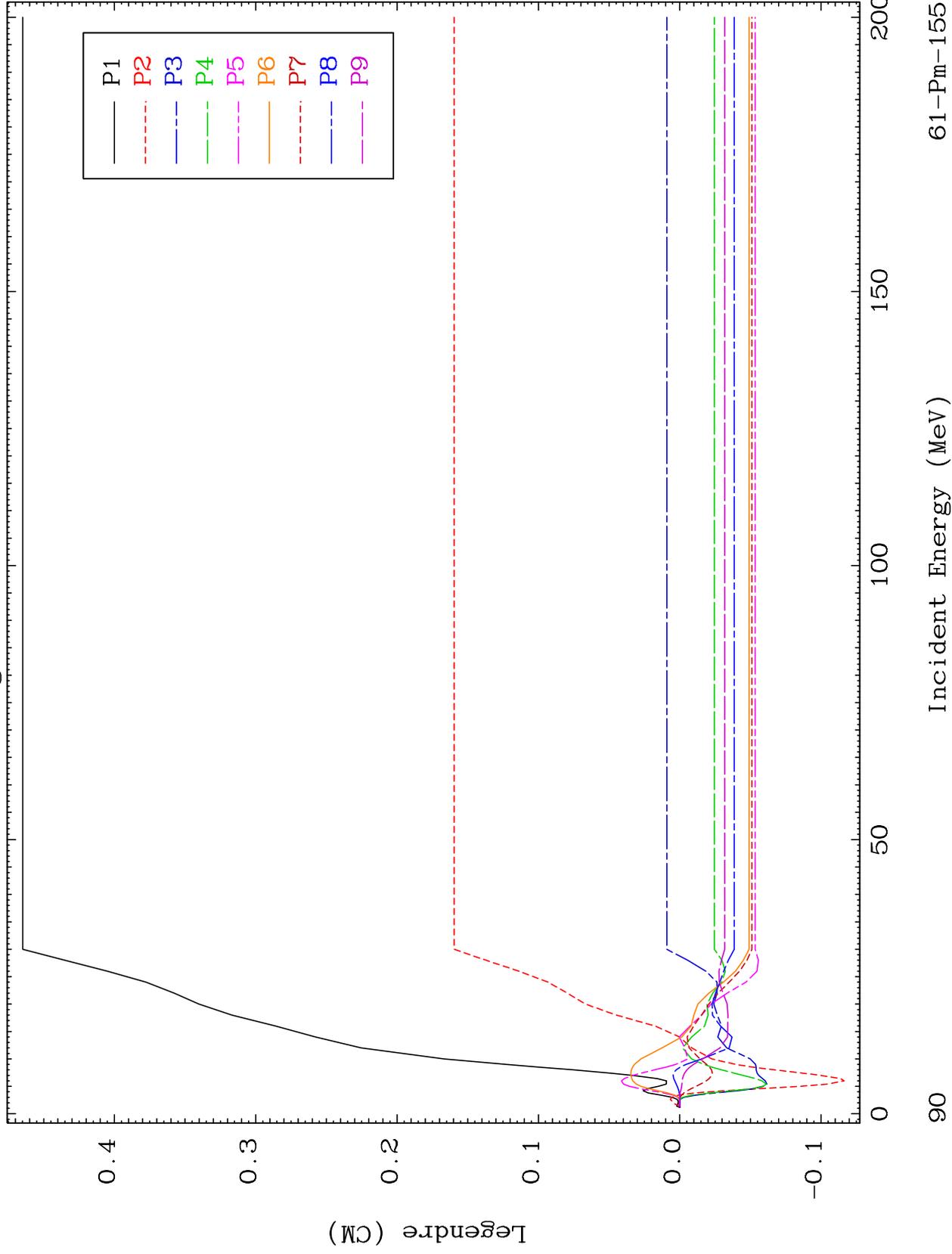
61-Pm-155



MAT 6173

1.129 MeV (n,n') Level  
Legendre Coefficients

61-Pm-155



61-Pm-155

Incident Energy (MeV)

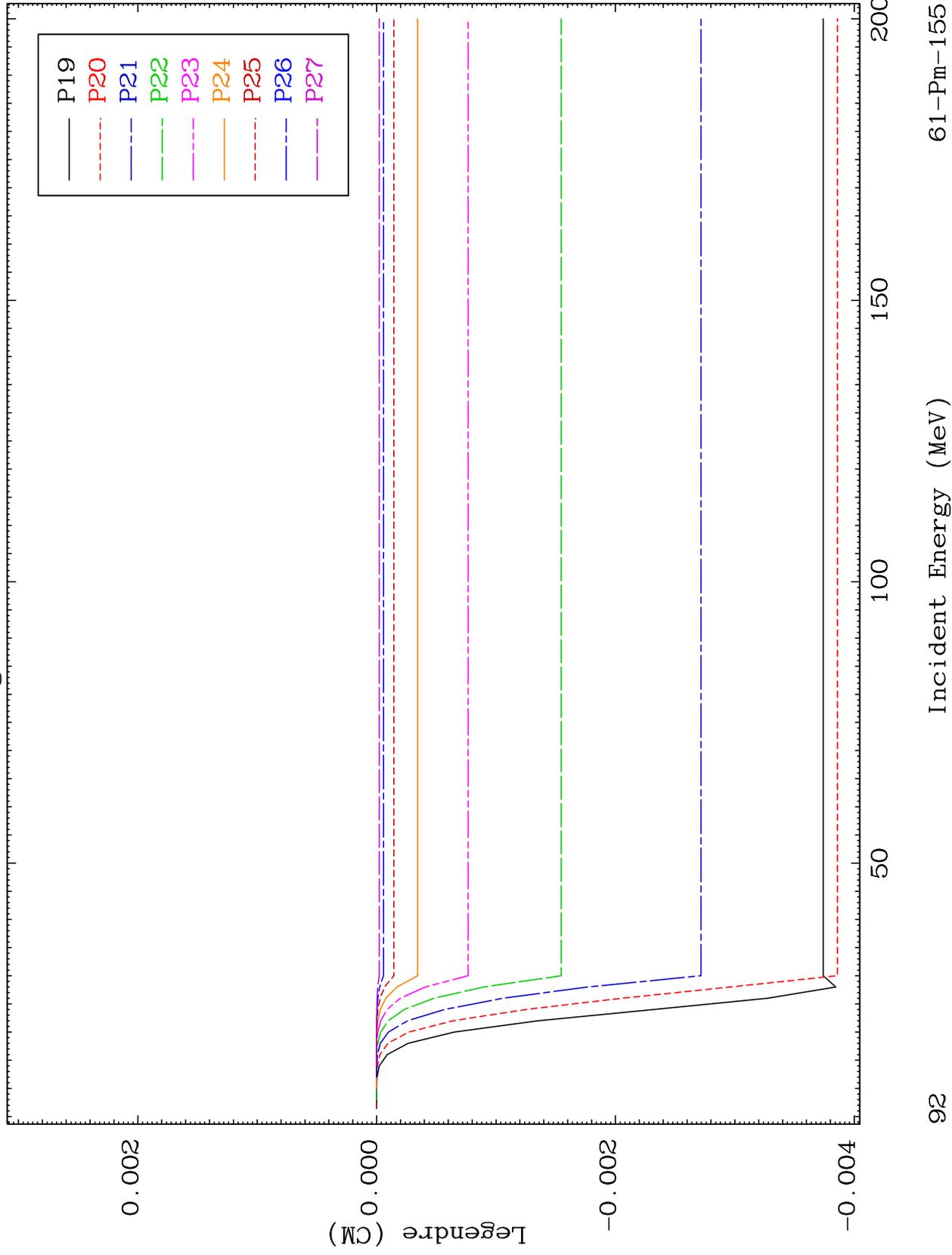
90



MAT 6173

1.129 MeV (n,n') Level  
Legendre Coefficients

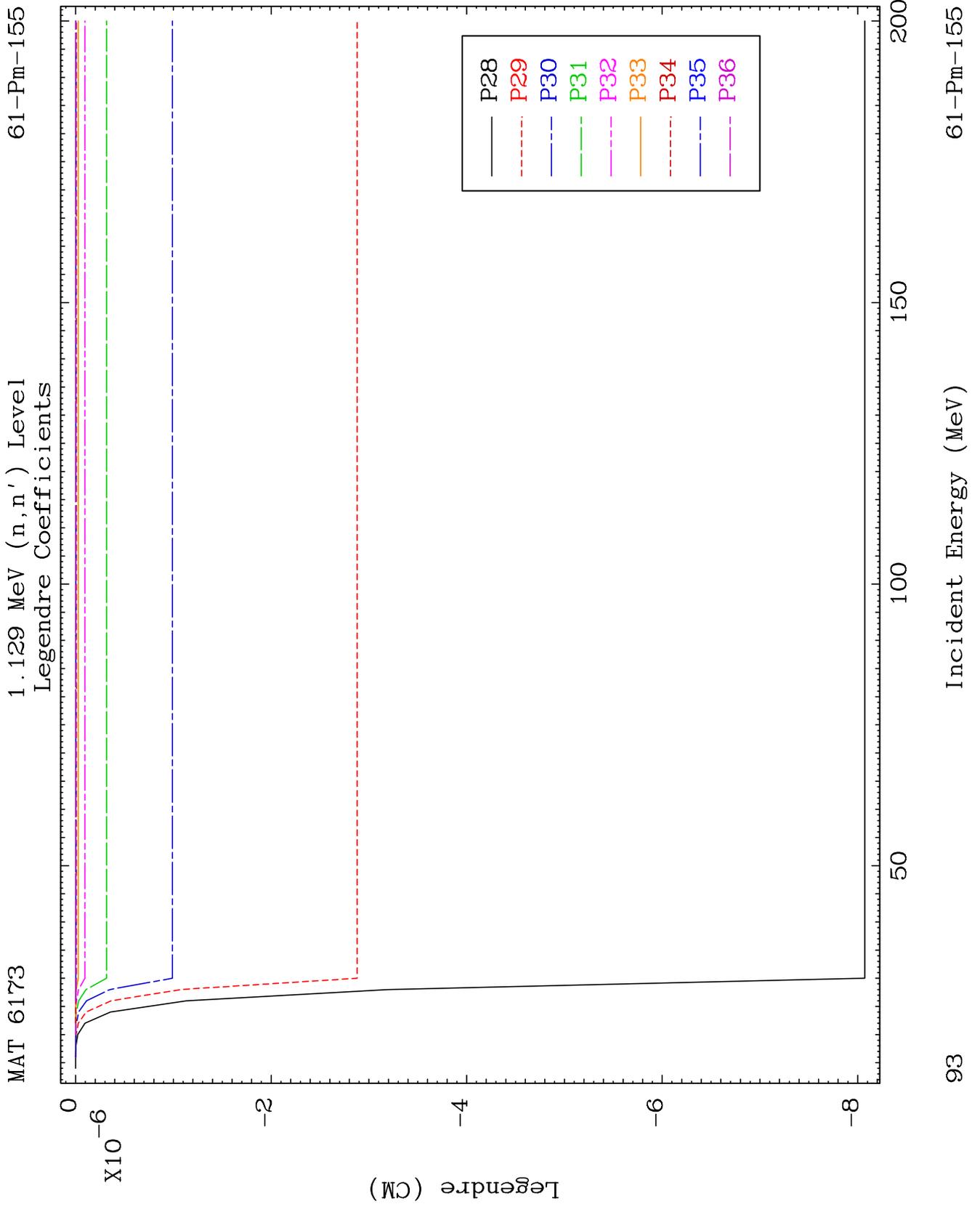
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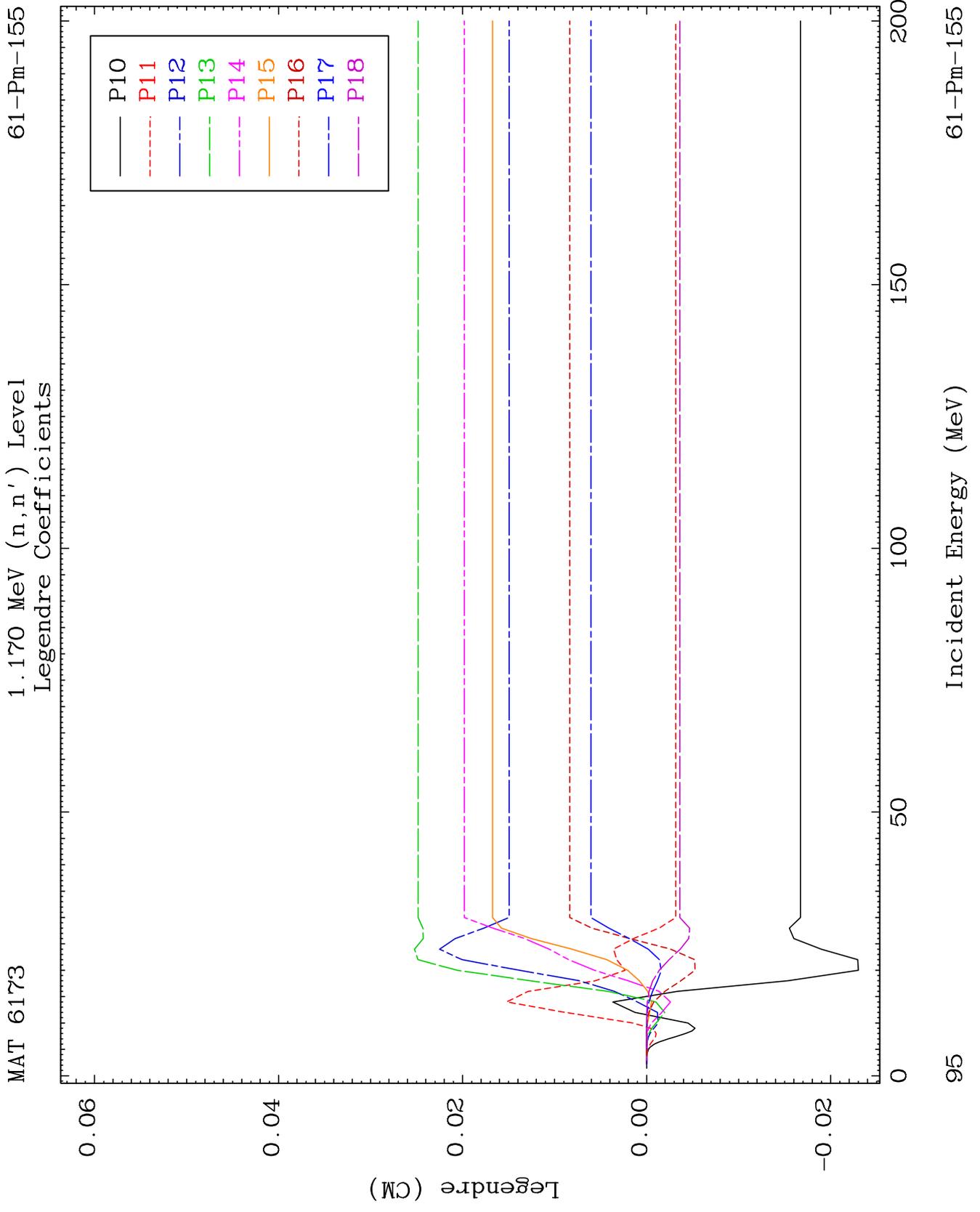
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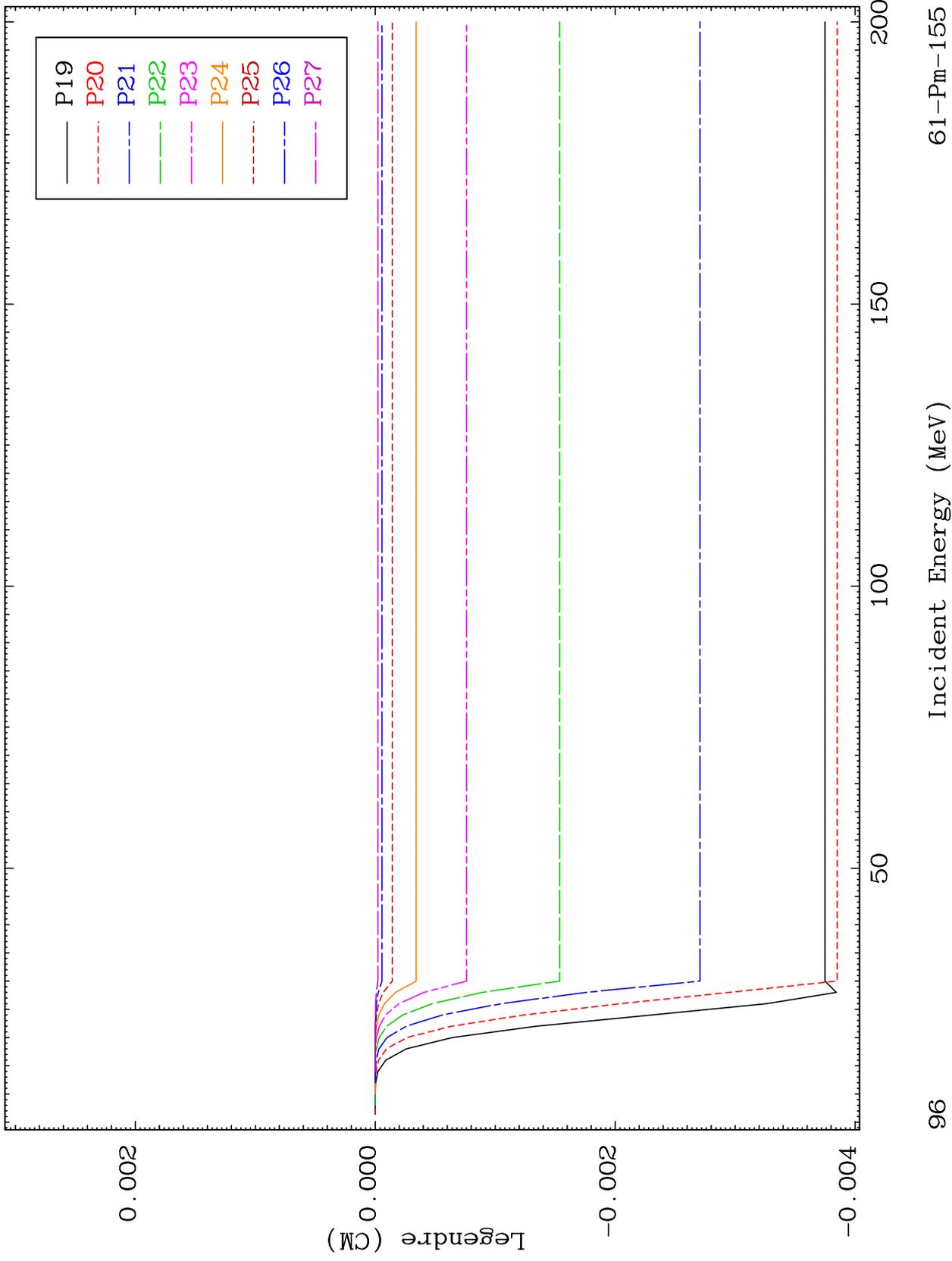
Incident Energy (MeV)

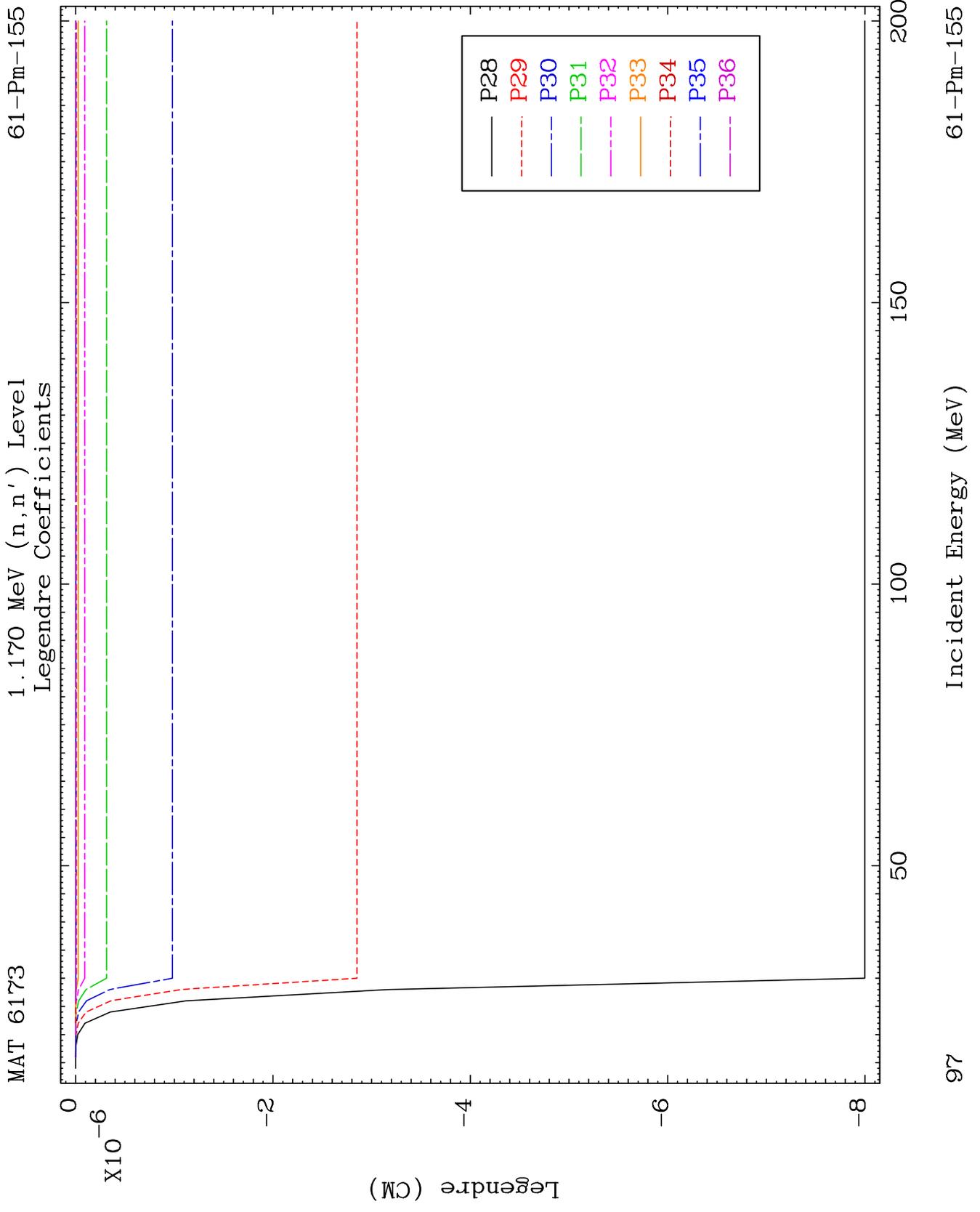
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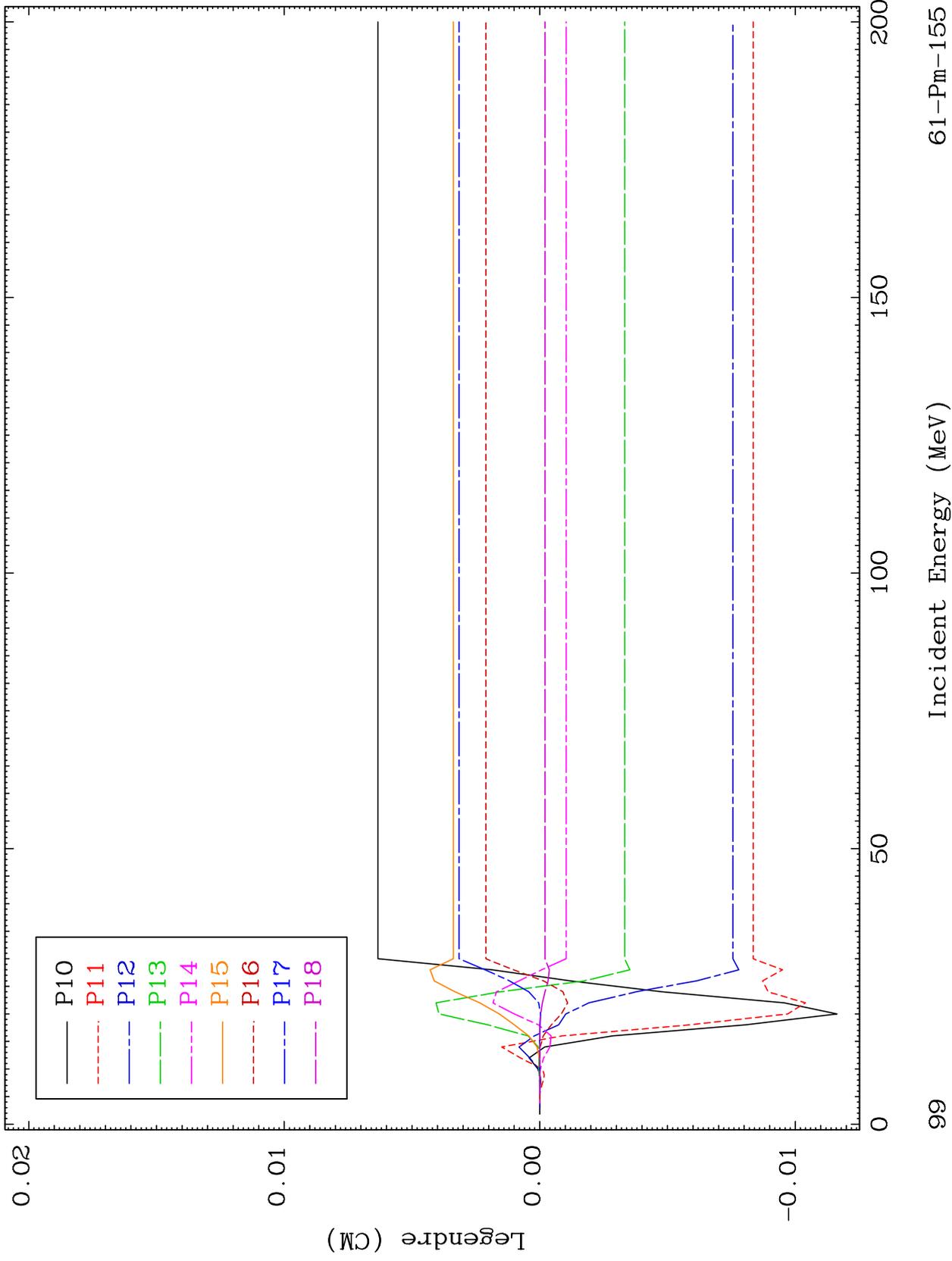




MAT 6173

1.178 MeV (n,n') Level  
Legendre Coefficients

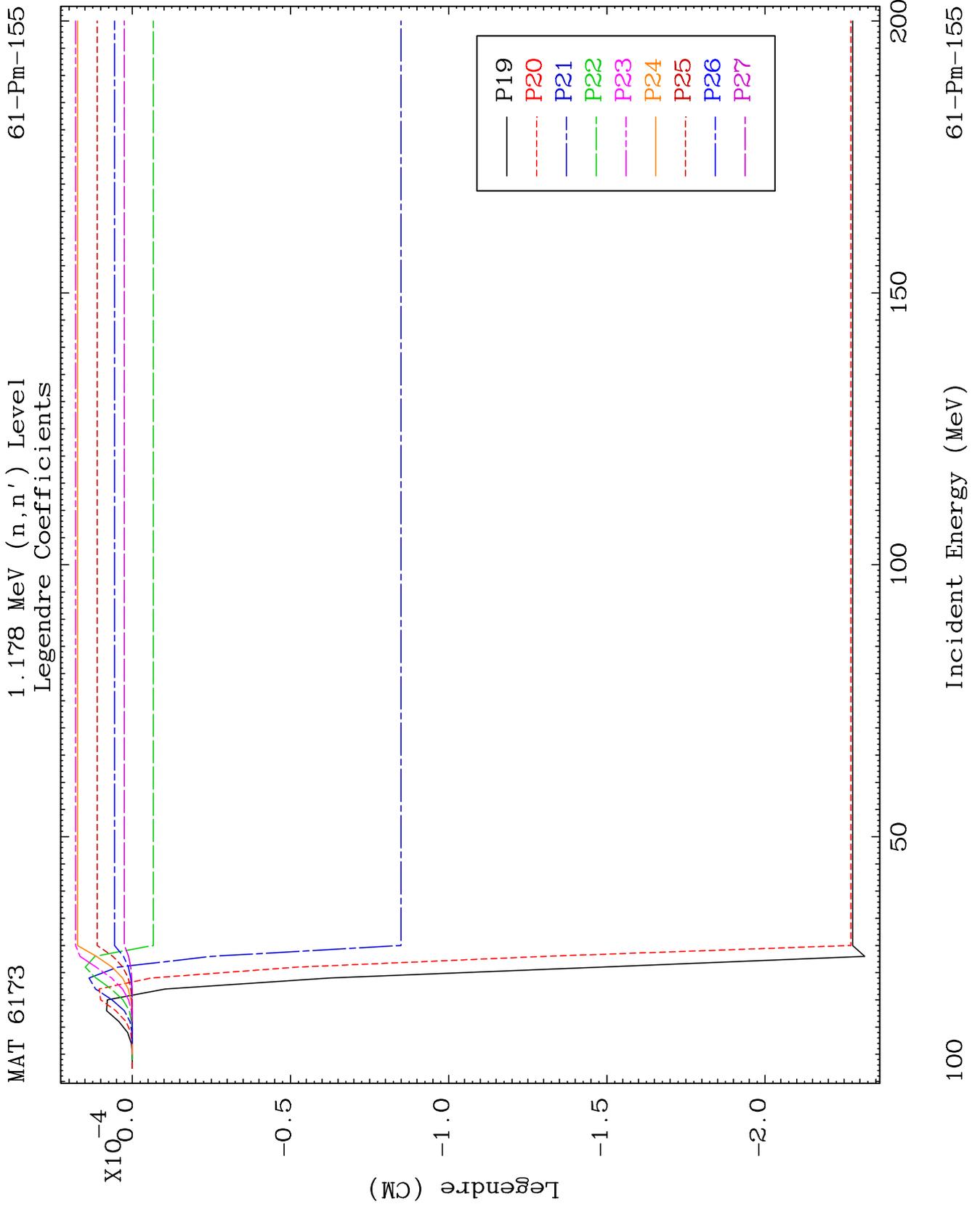
61-Pm-155



99

Incident Energy (MeV)

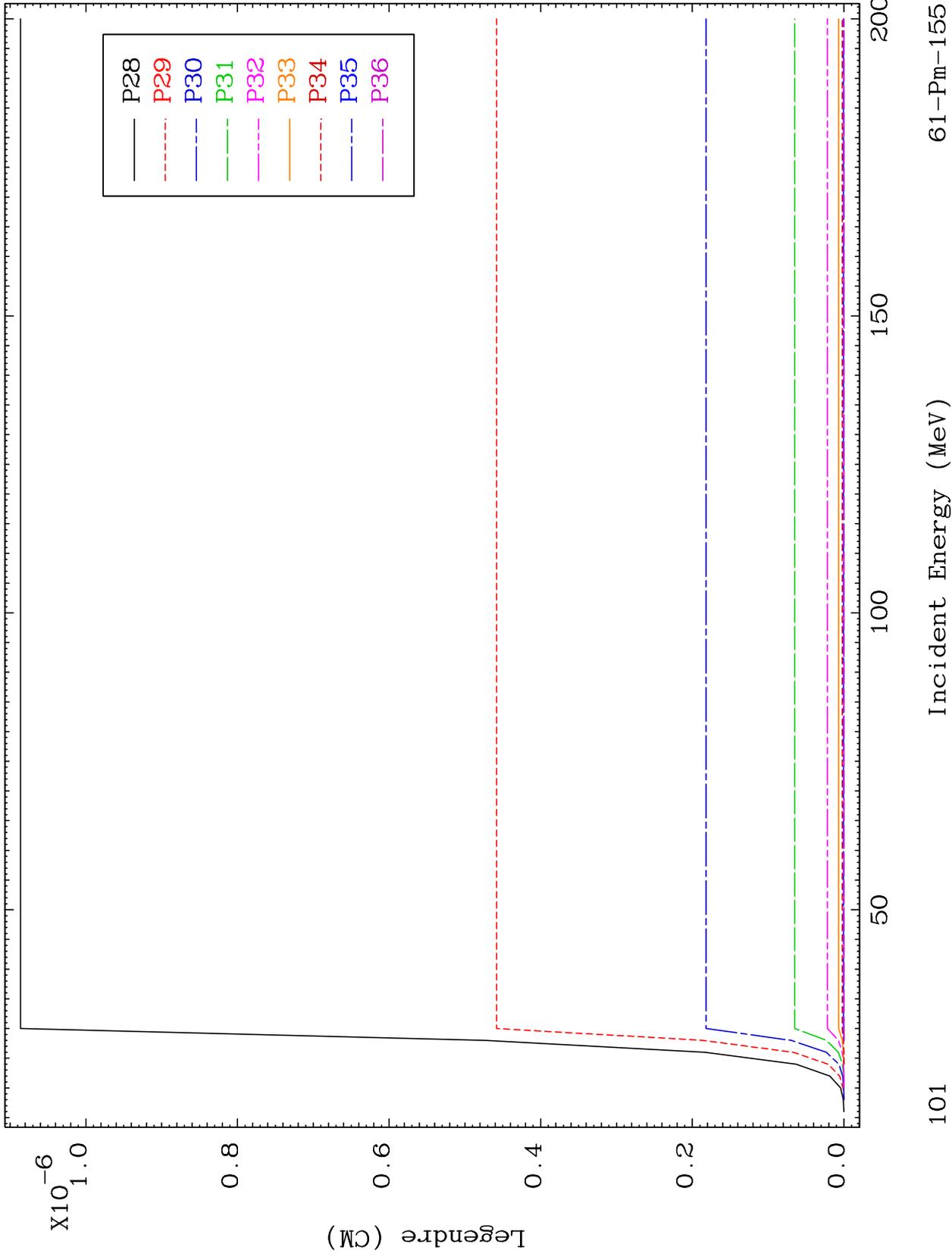
61-Pm-155



MAT 6173

1.178 MeV (n,n') Level  
Legendre Coefficients

61-Pm-155

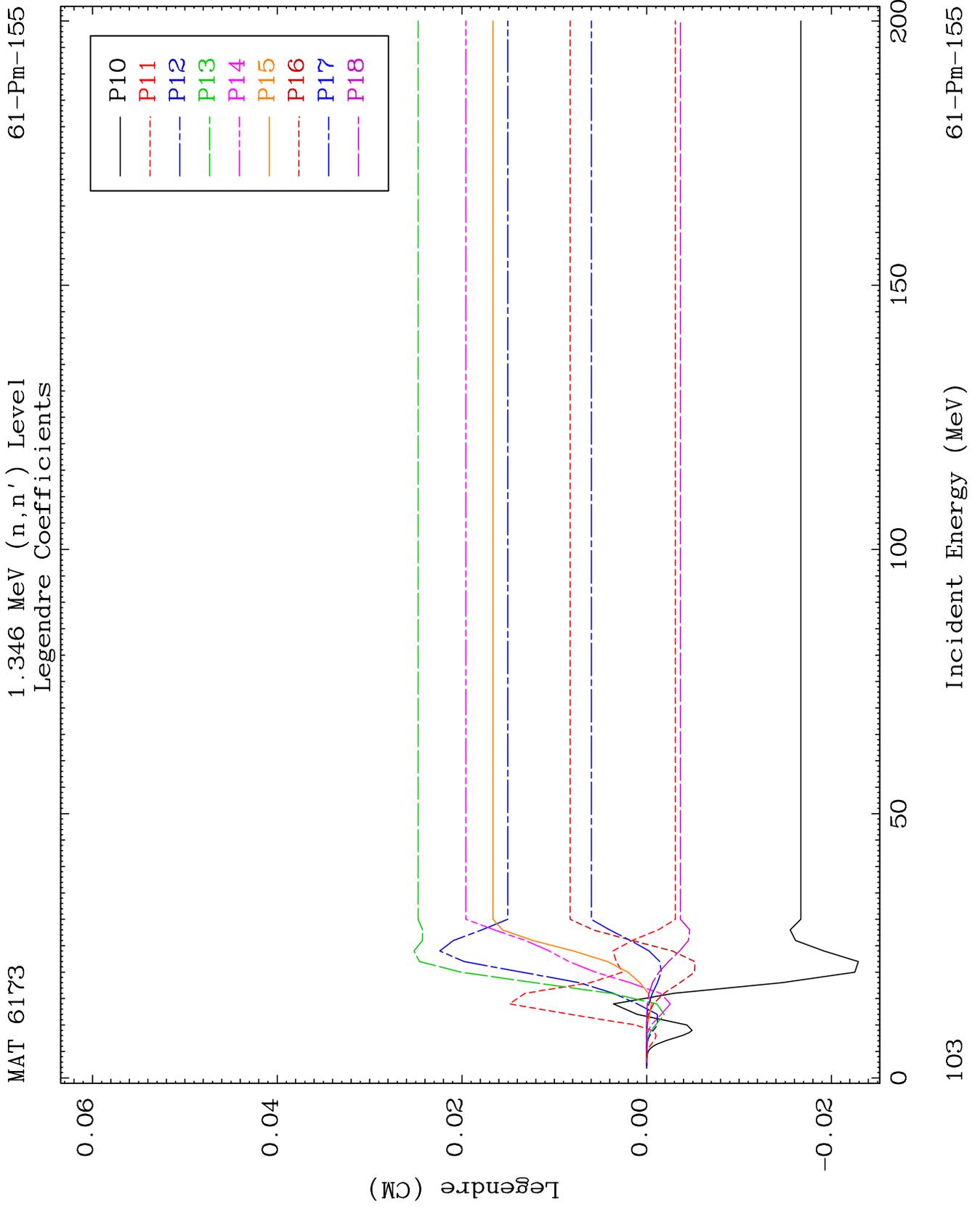


101

Incident Energy (MeV)

61-Pm-155

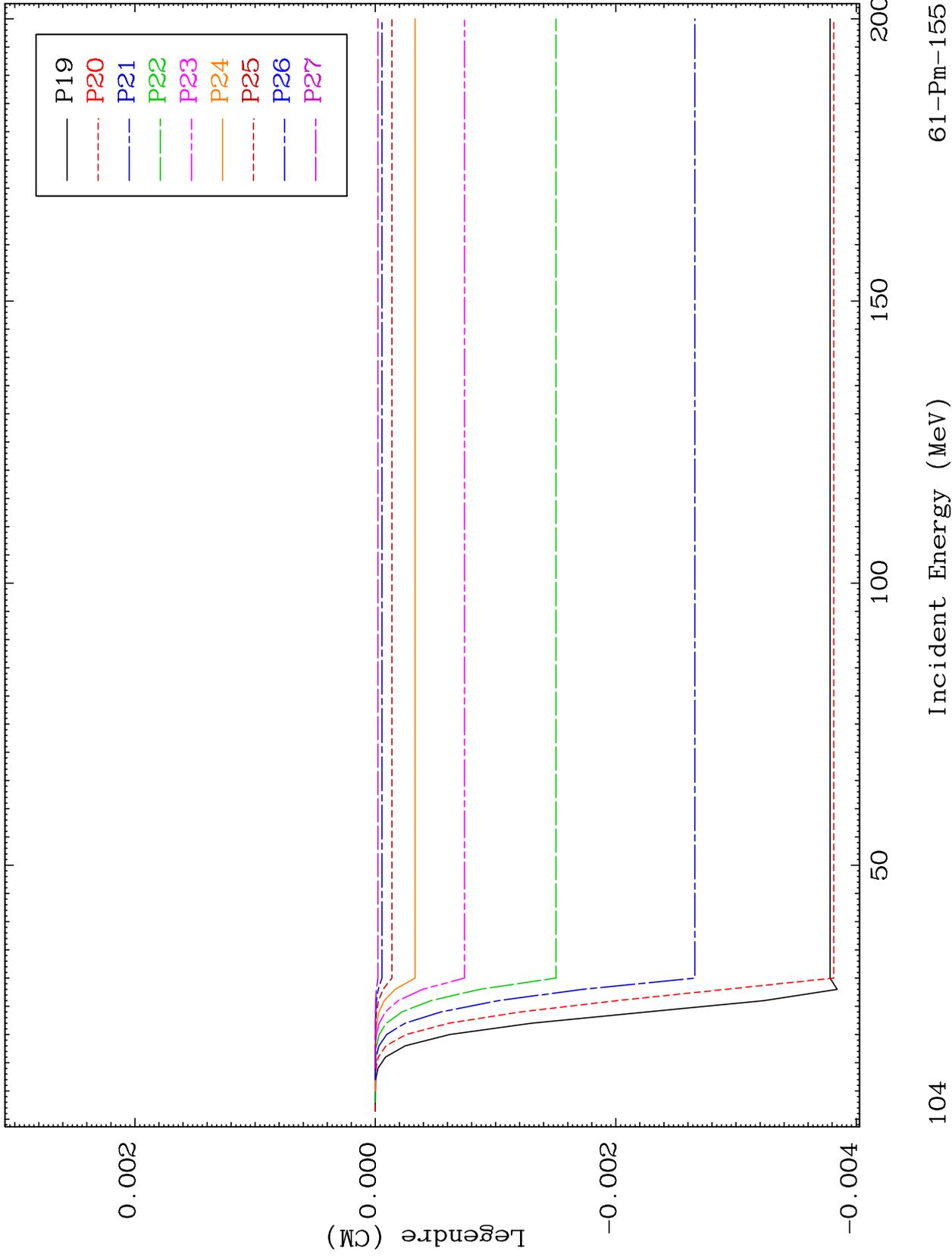




MAT 6173

1.346 MeV (n,n') Level  
Legendre Coefficients

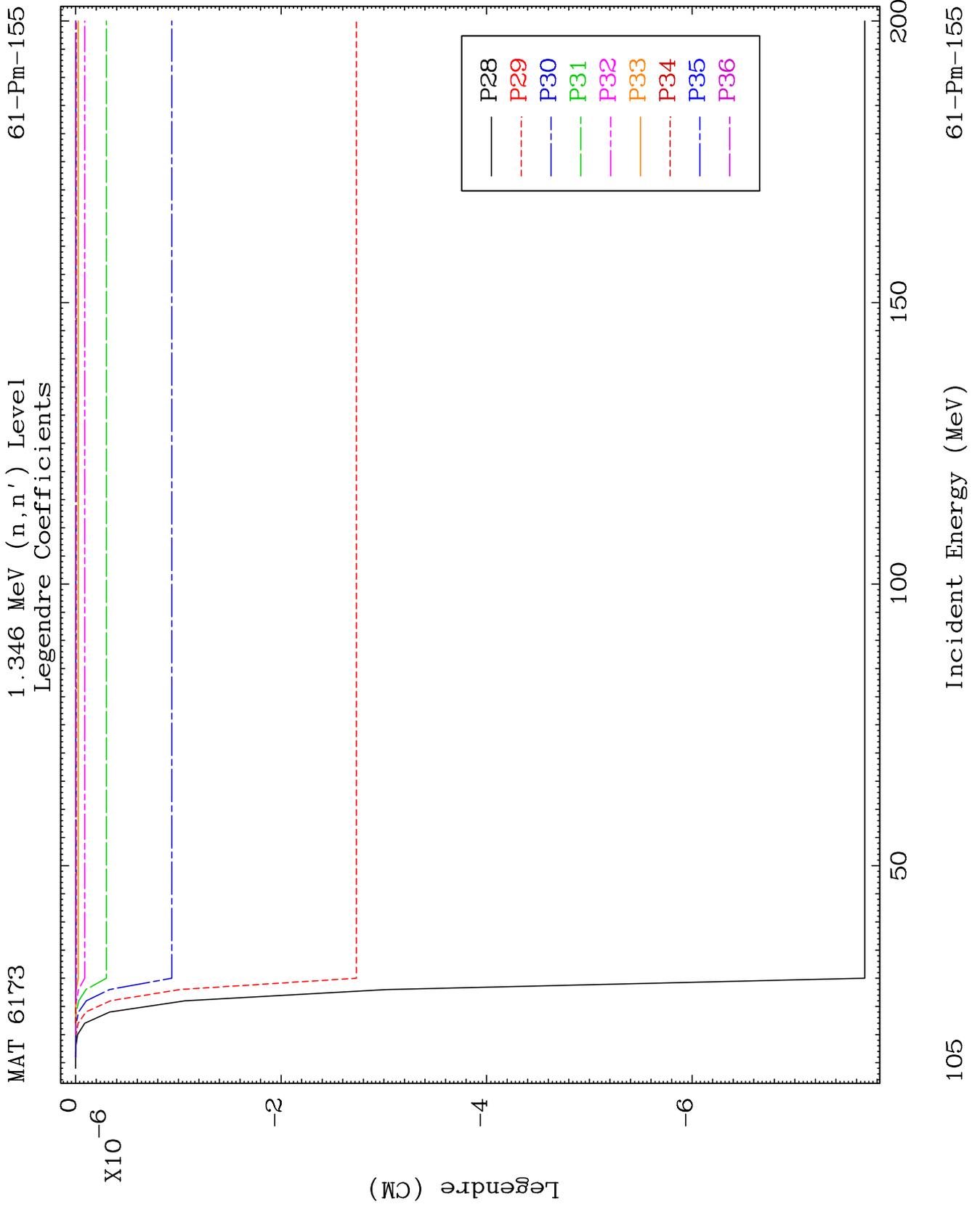
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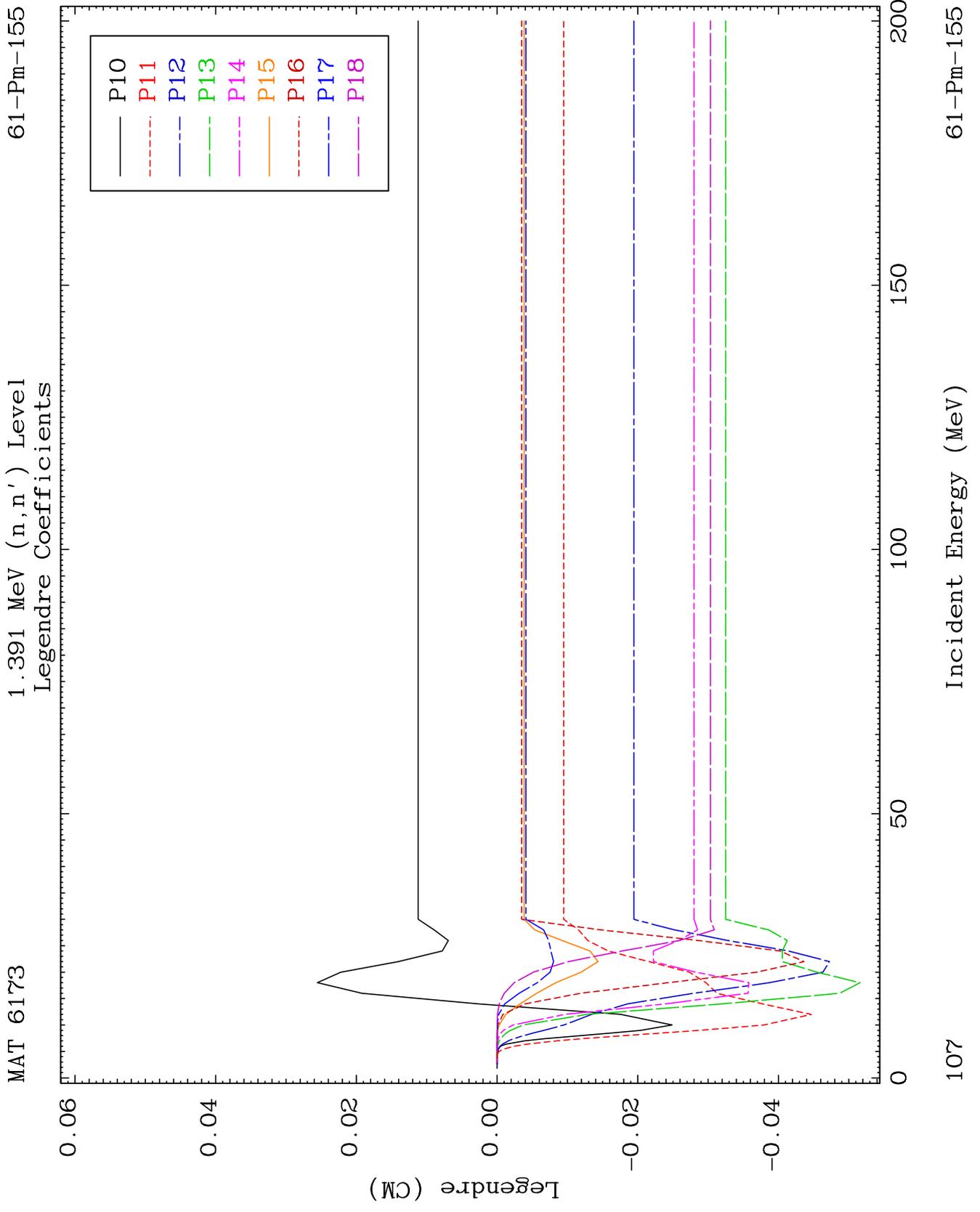
104

Incident Energy (MeV)

61-Pm-155



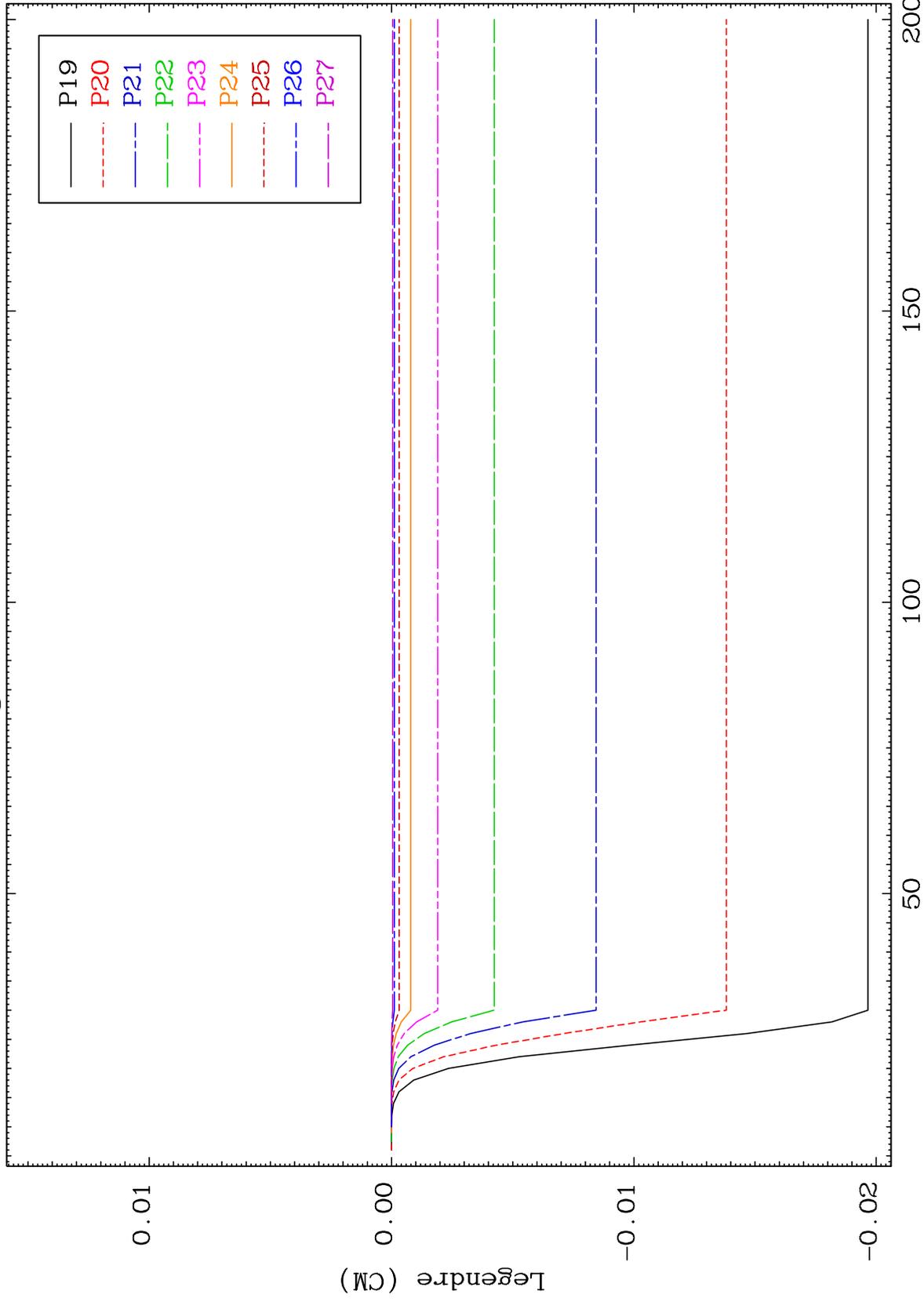




MAT 6173

1.391 MeV (n,n') Level  
Legendre Coefficients

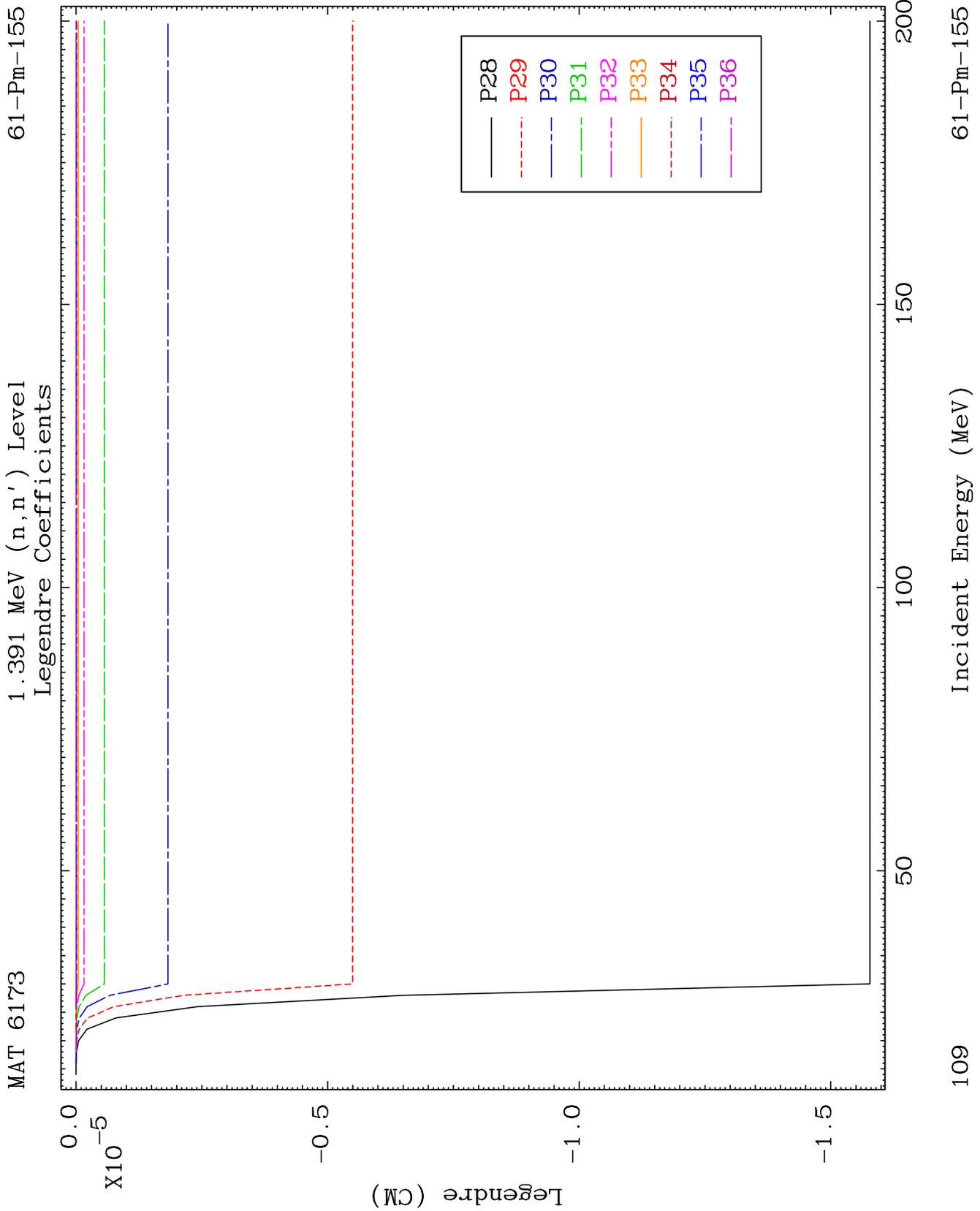
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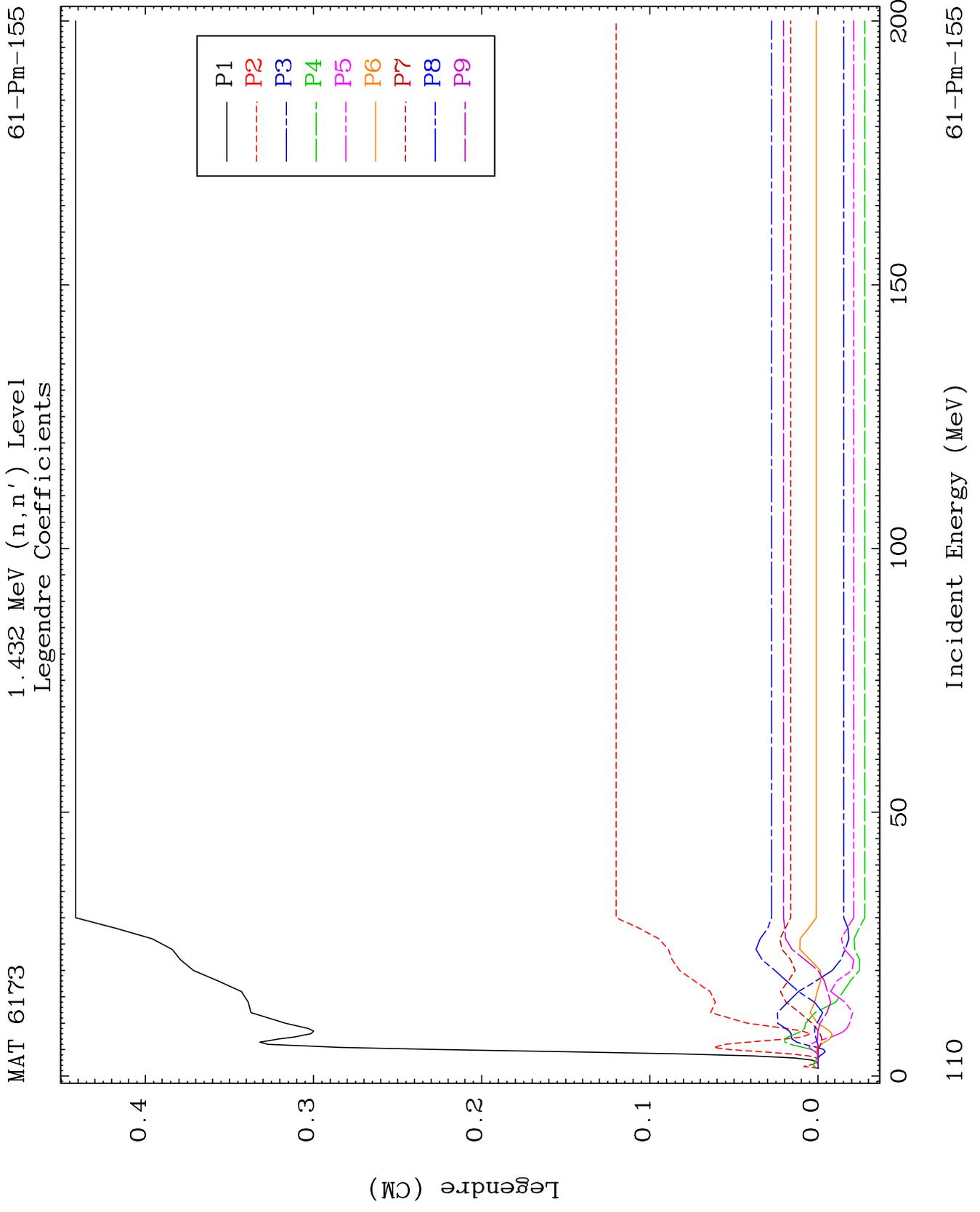


108

Incident Energy (MeV)

61-Pm-155

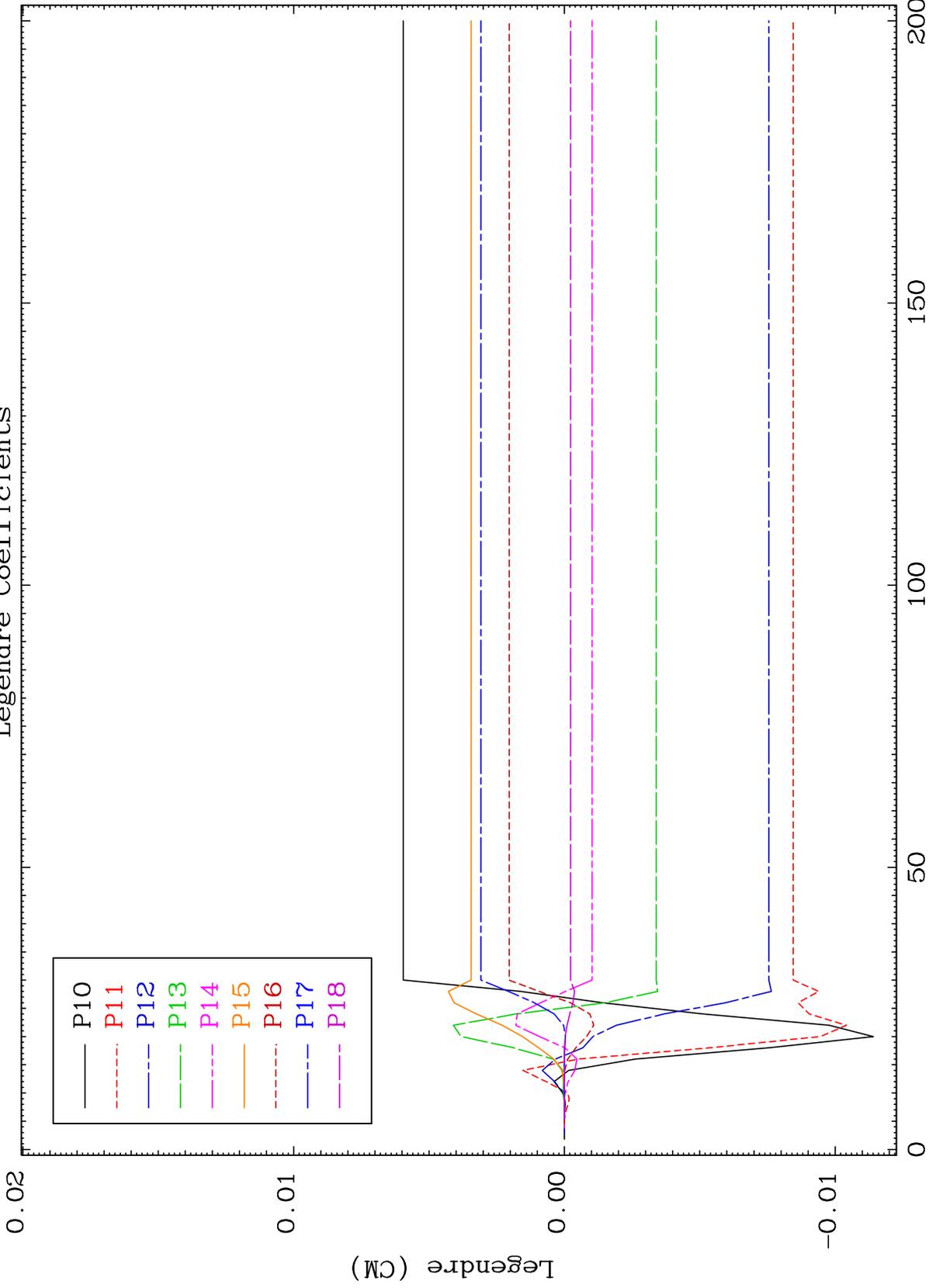




MAT 6173

1.432 MeV (n,n') Level  
Legendre Coefficients

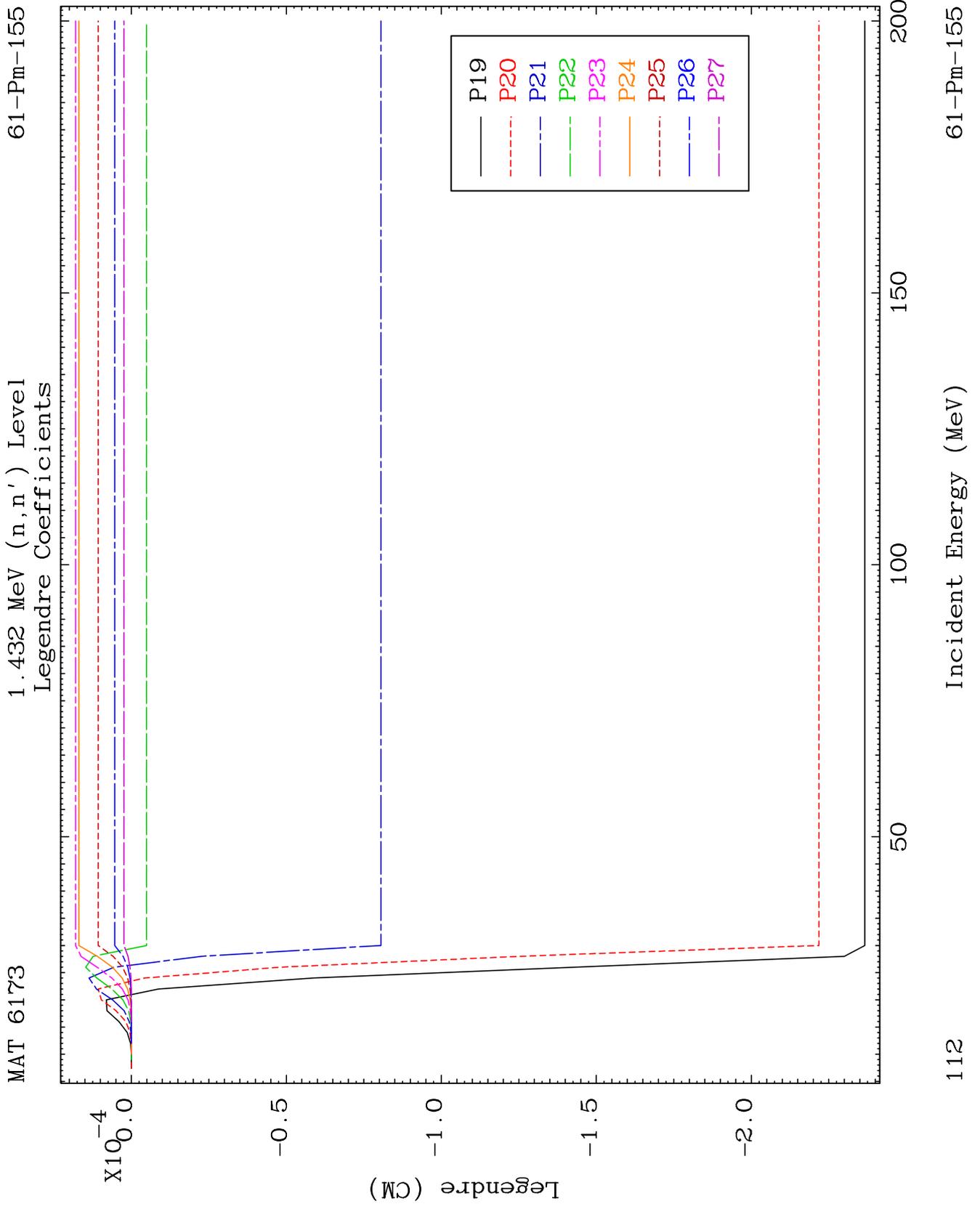
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111

Incident Energy (MeV)

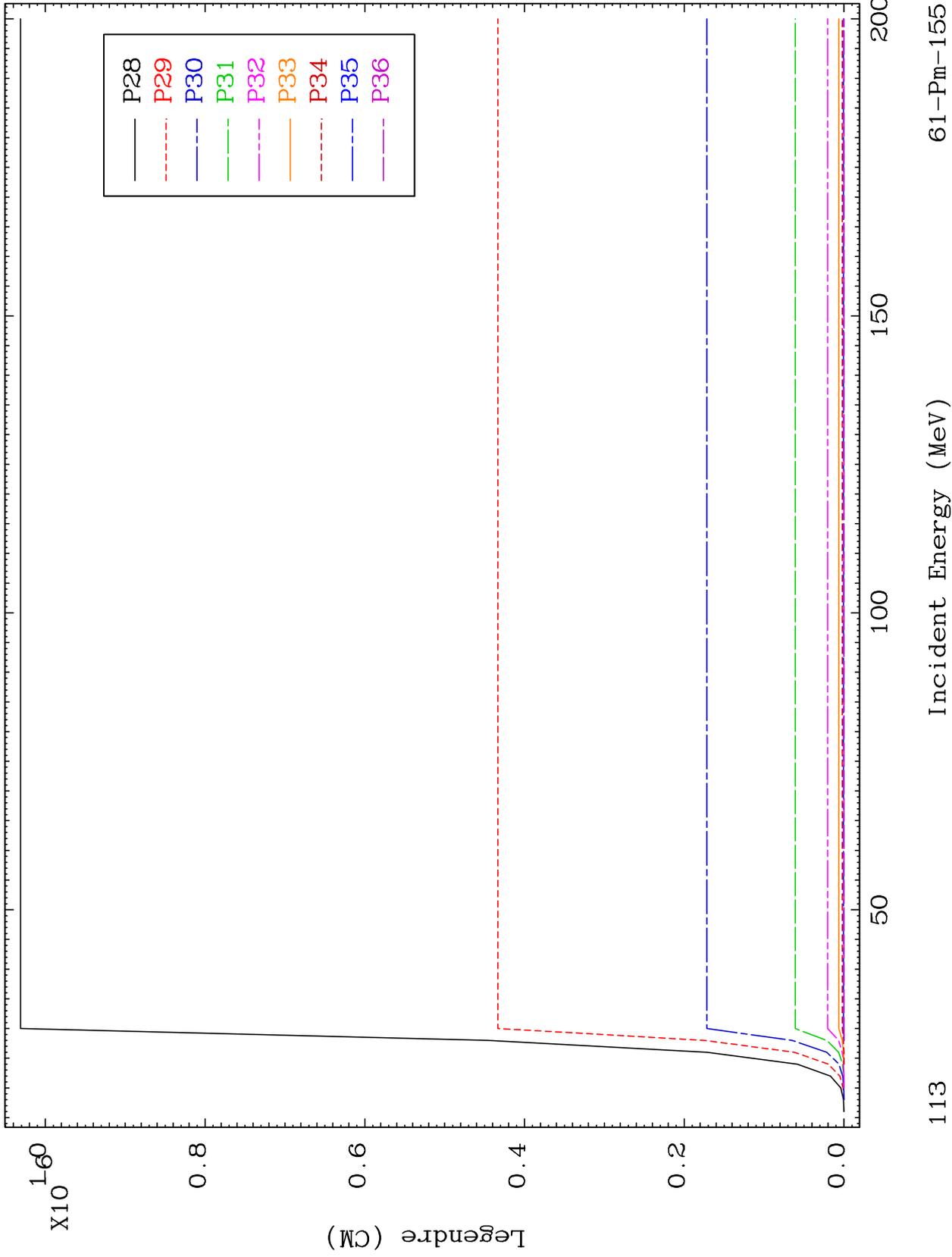
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MAT 6173

1.432 MeV (n,n') Level  
Legendre Coefficients

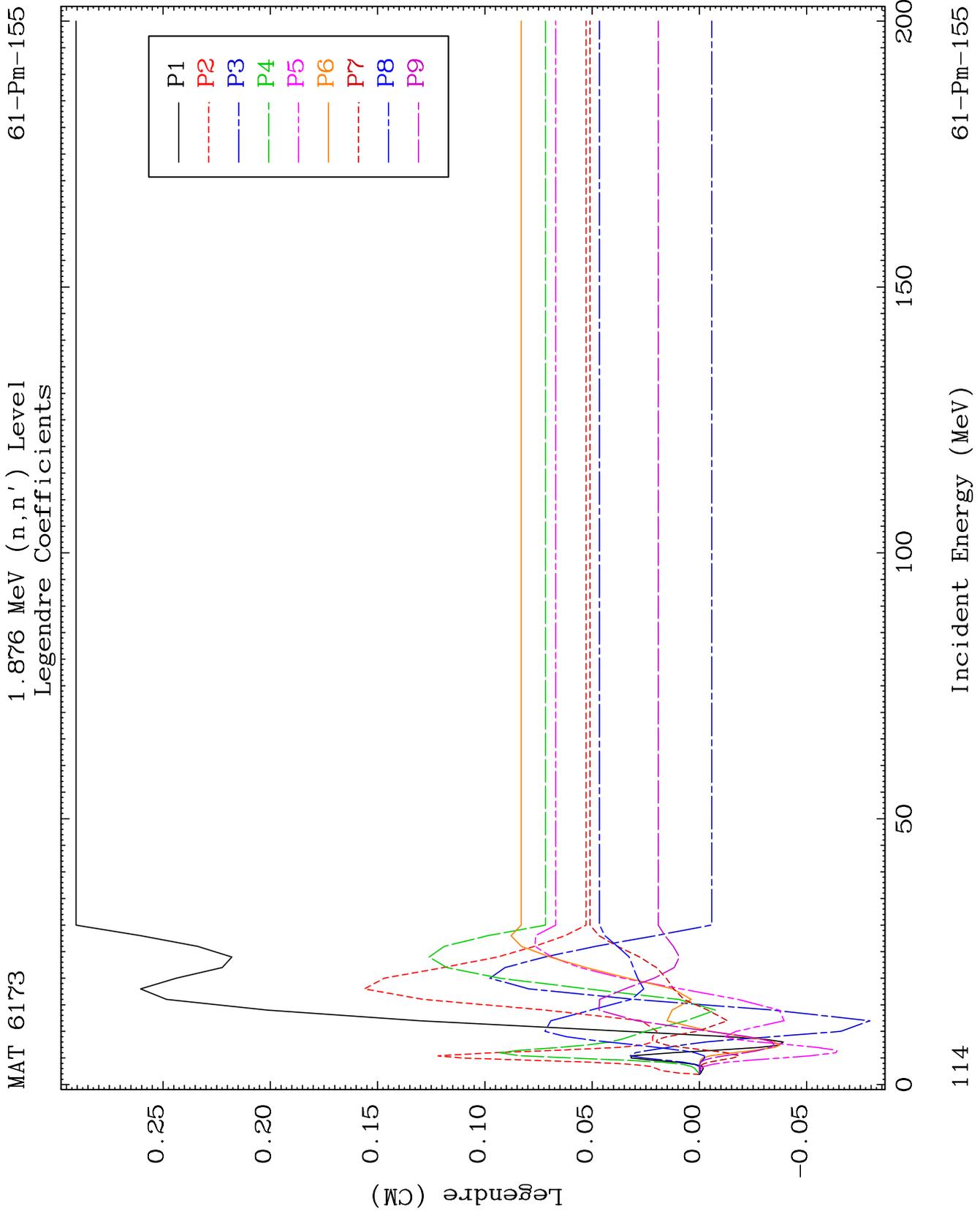
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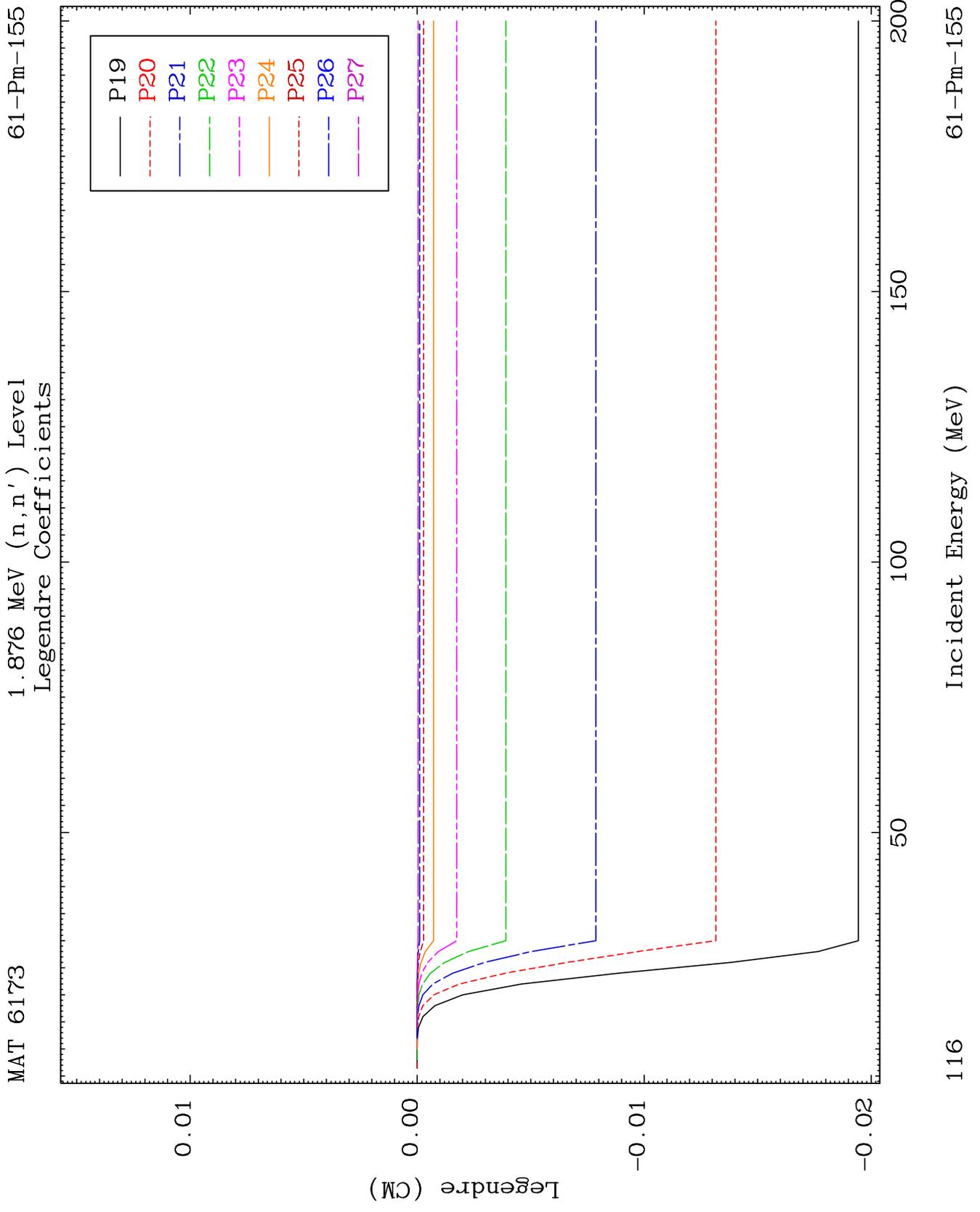
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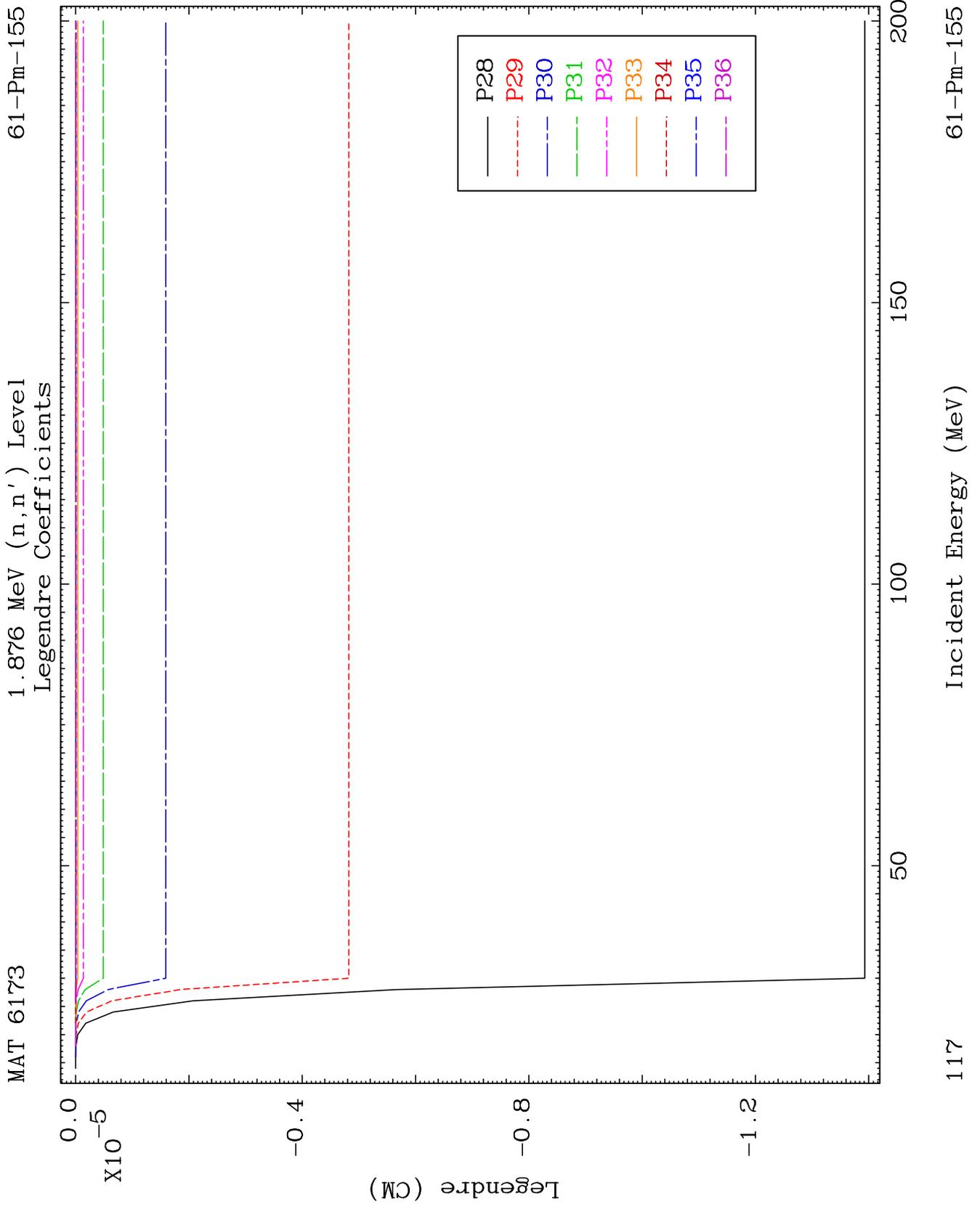
Incident Energy (MeV)

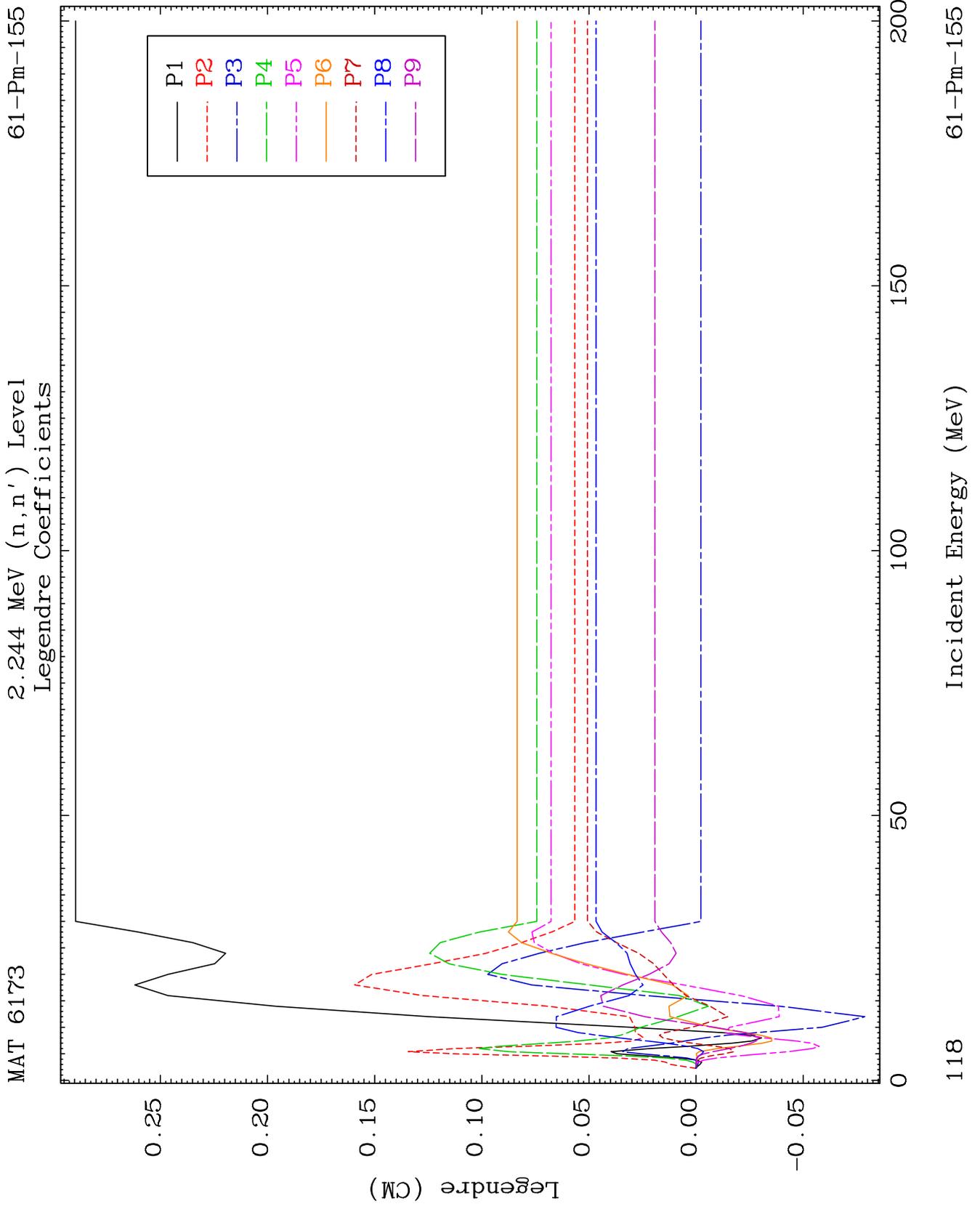
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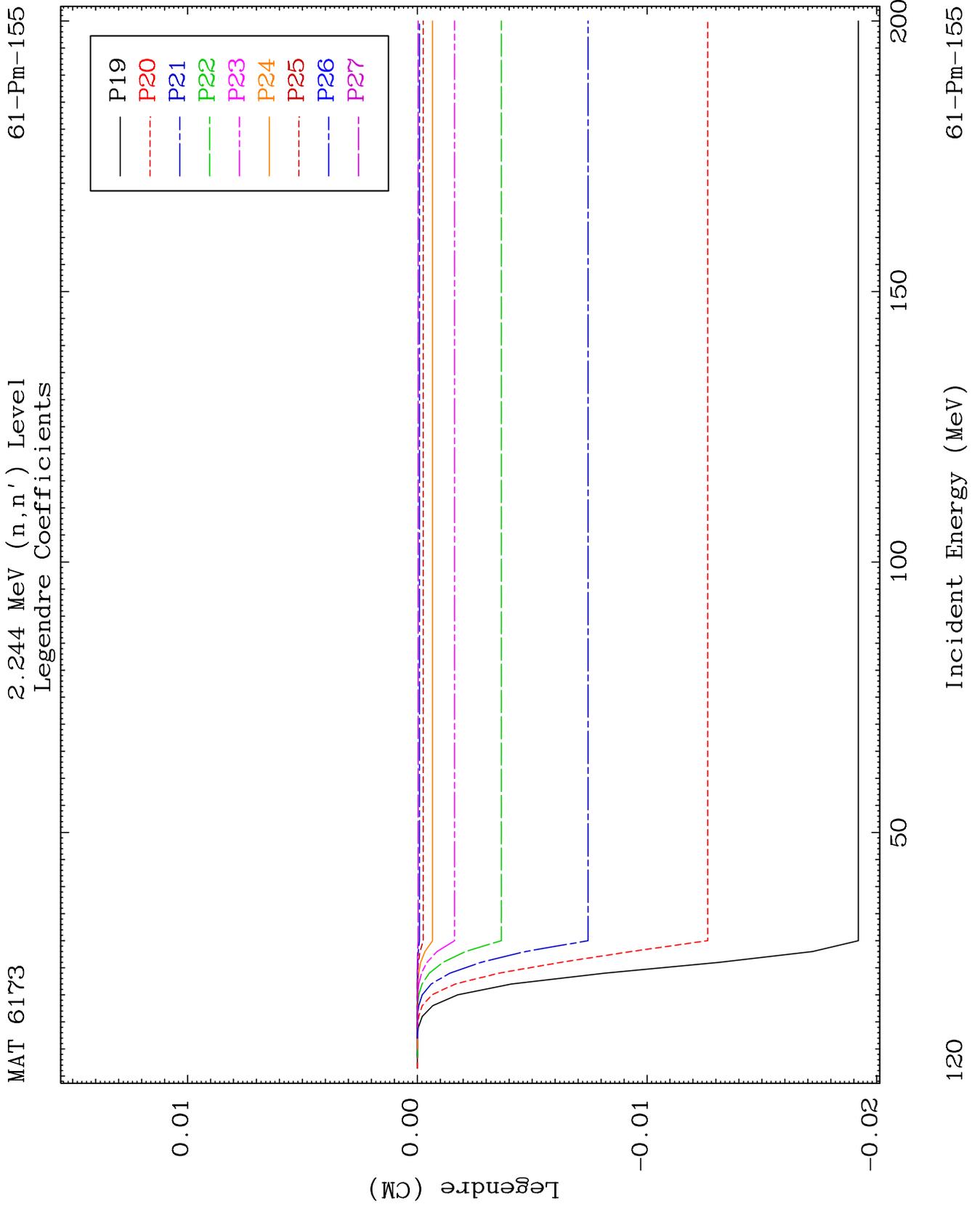


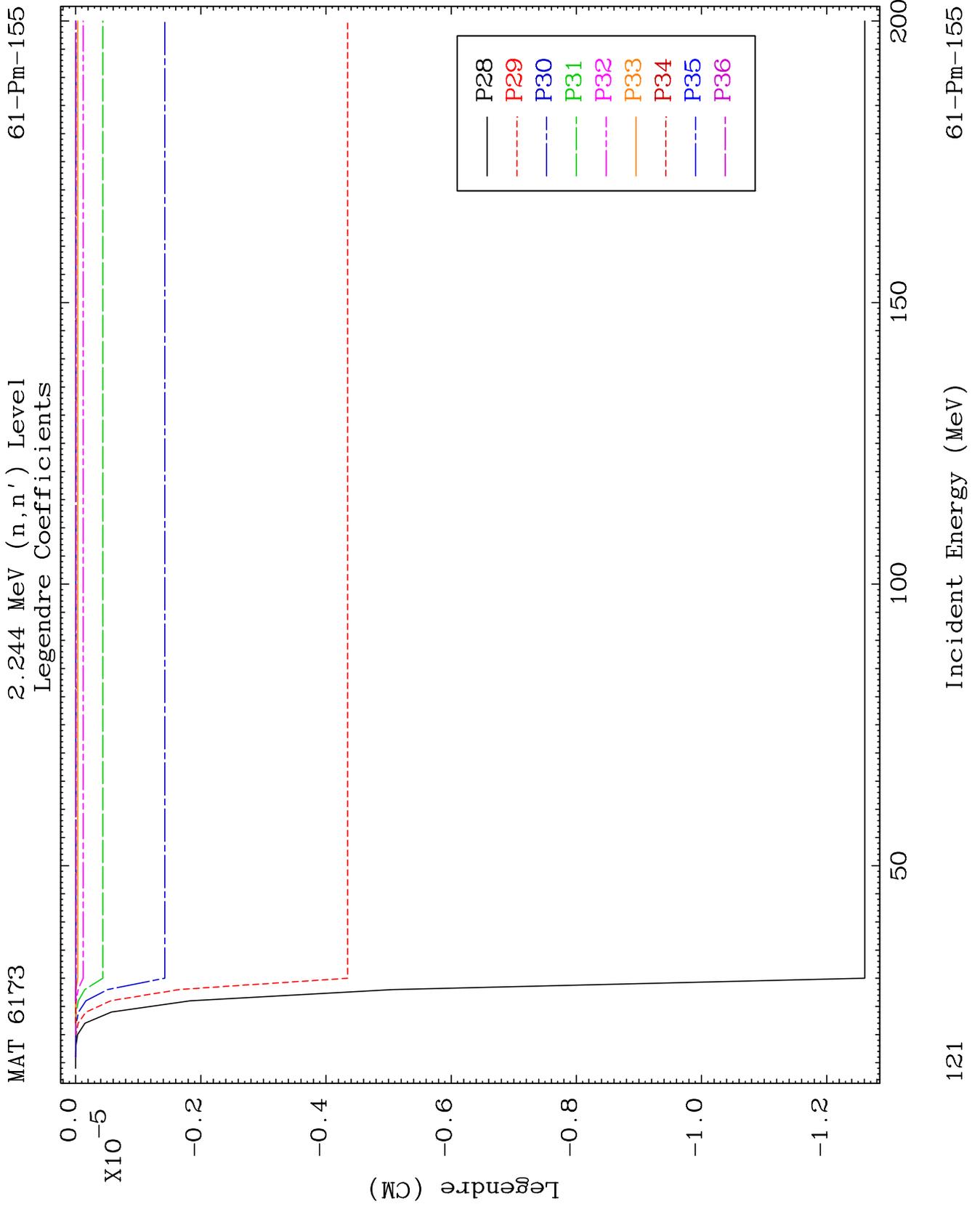


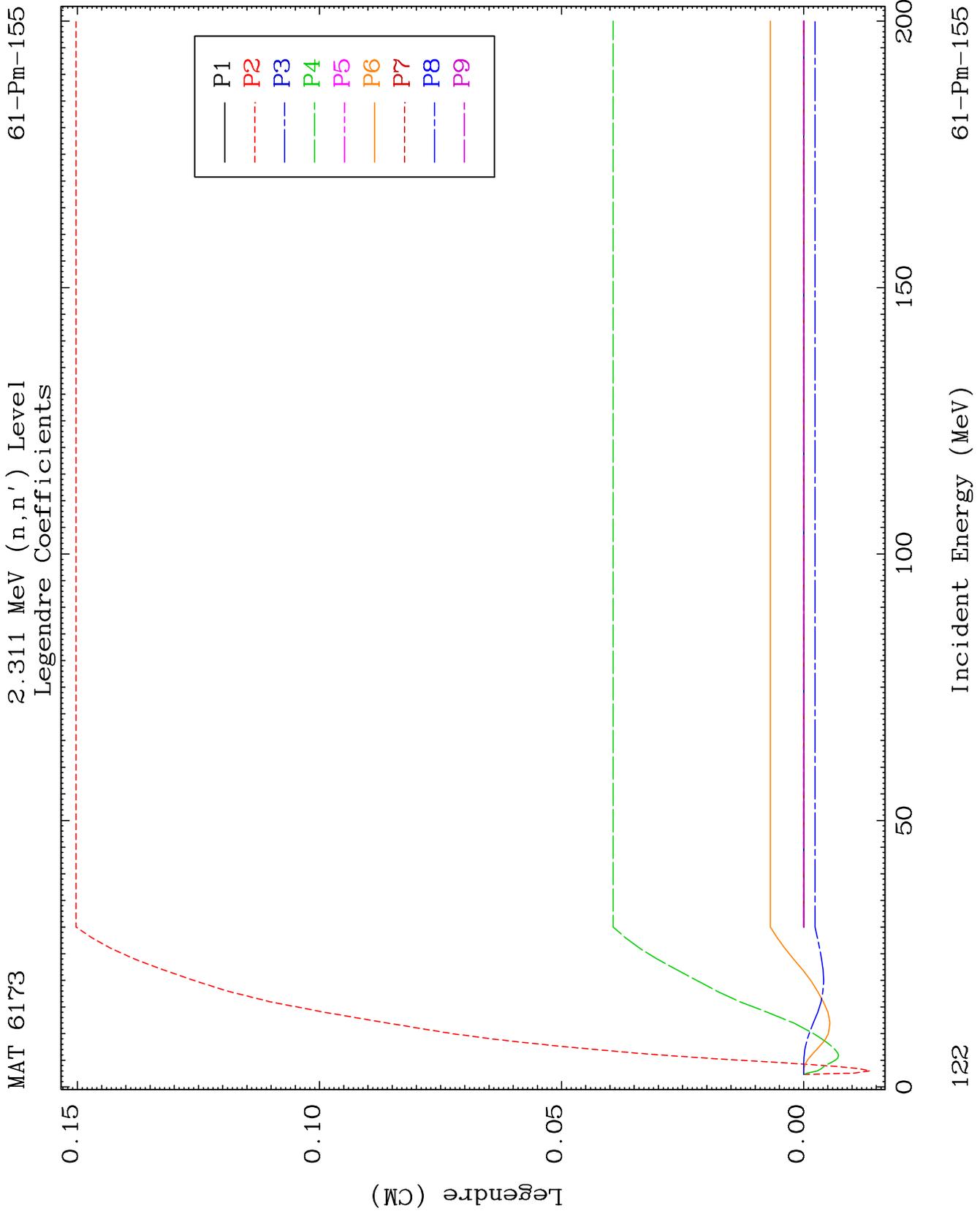


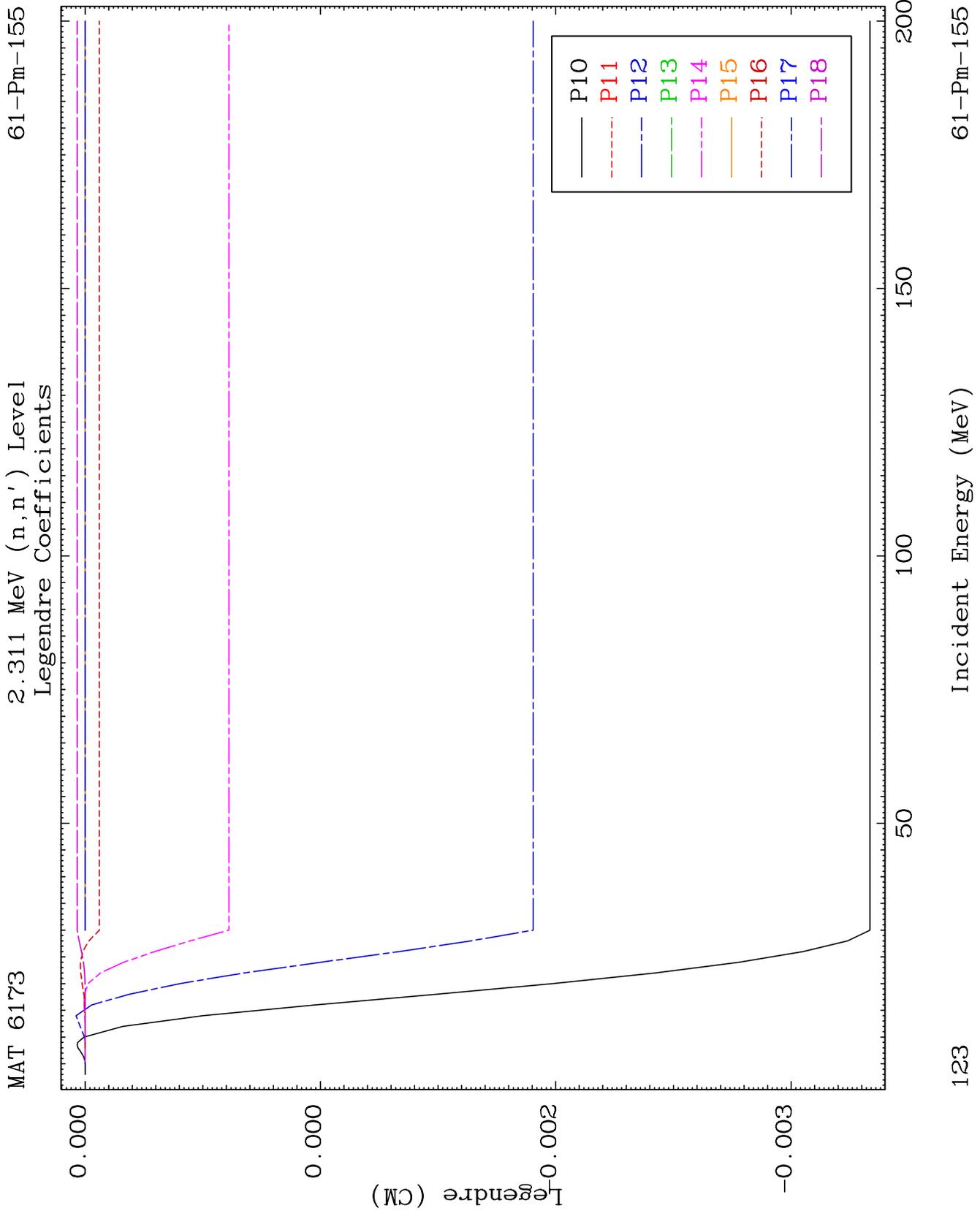


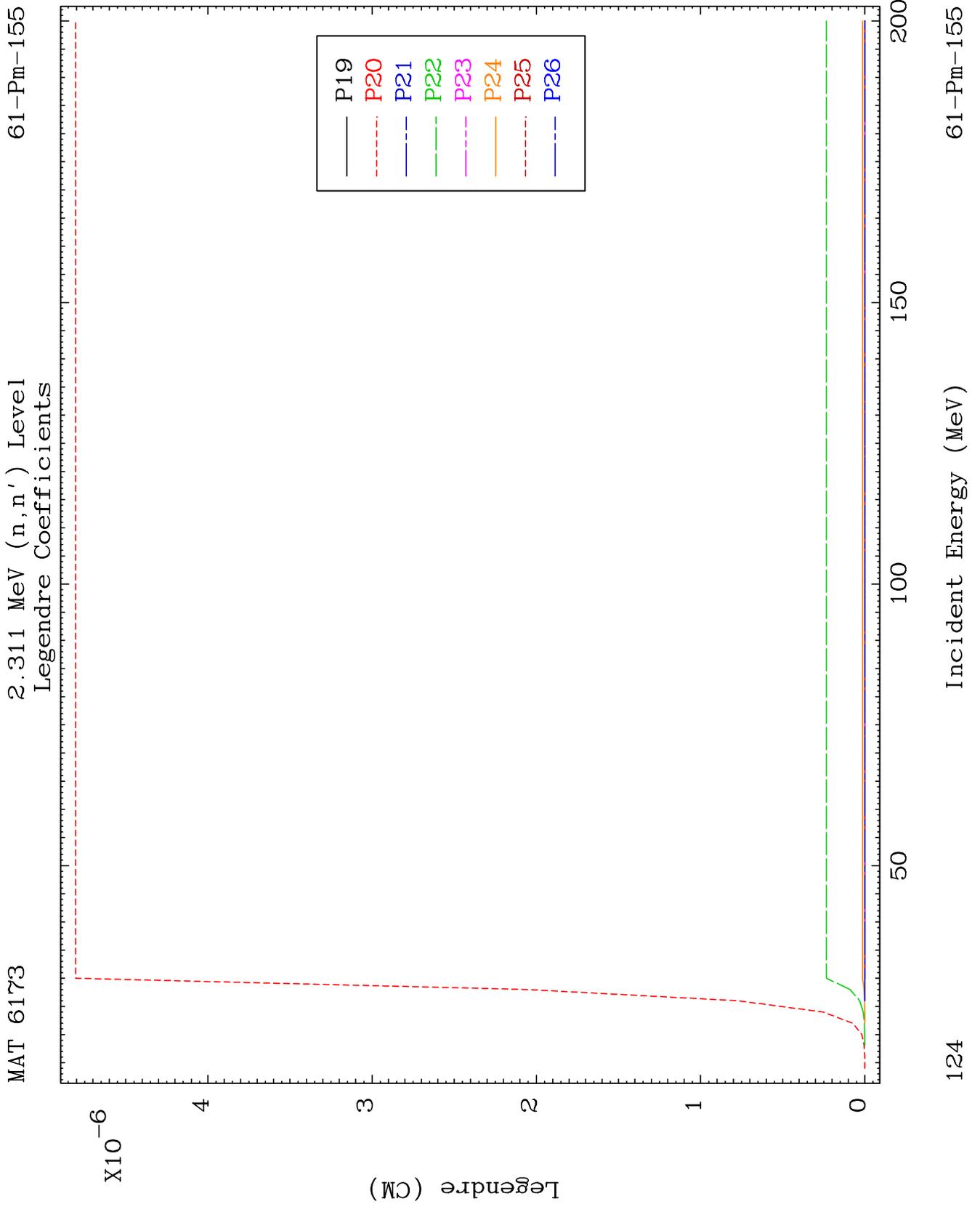








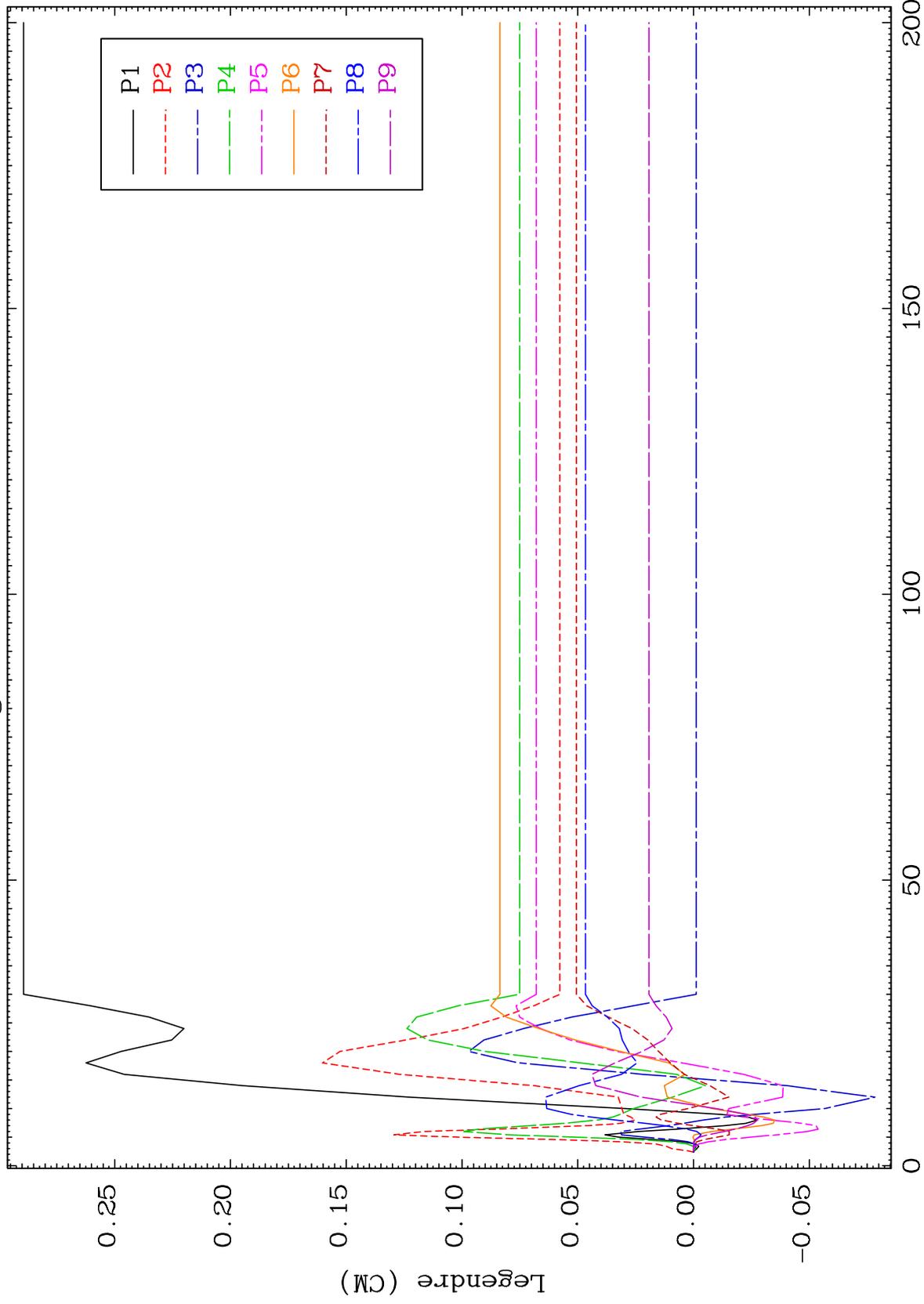




MAT 6173

2.353 MeV (n,n') Level  
Legendre Coefficients

61-Pm-155



125

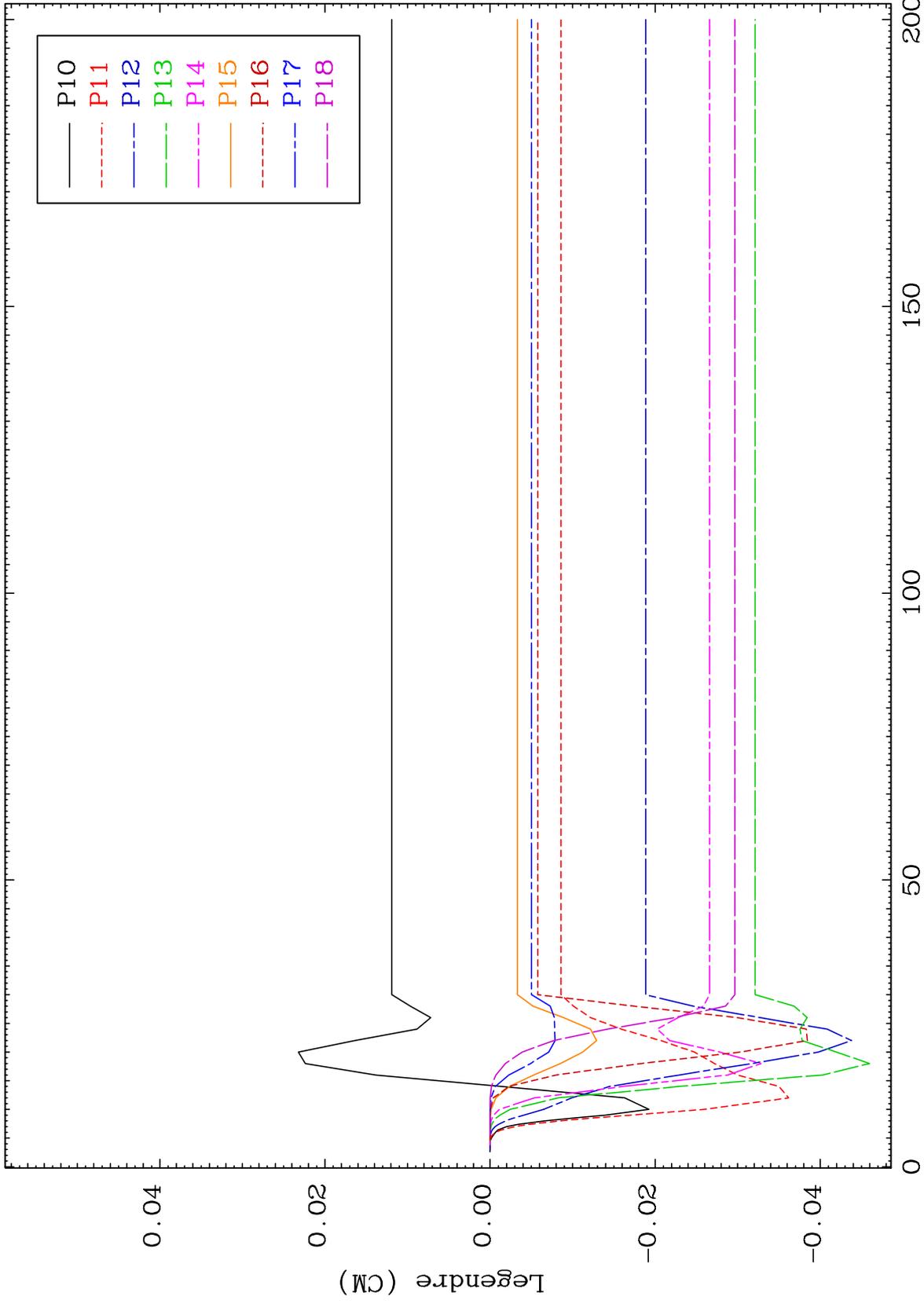
Incident Energy (MeV)

61-Pm-155

MAT 6173

2.353 MeV (n,n') Level  
Legendre Coefficients

61-Pm-155



126

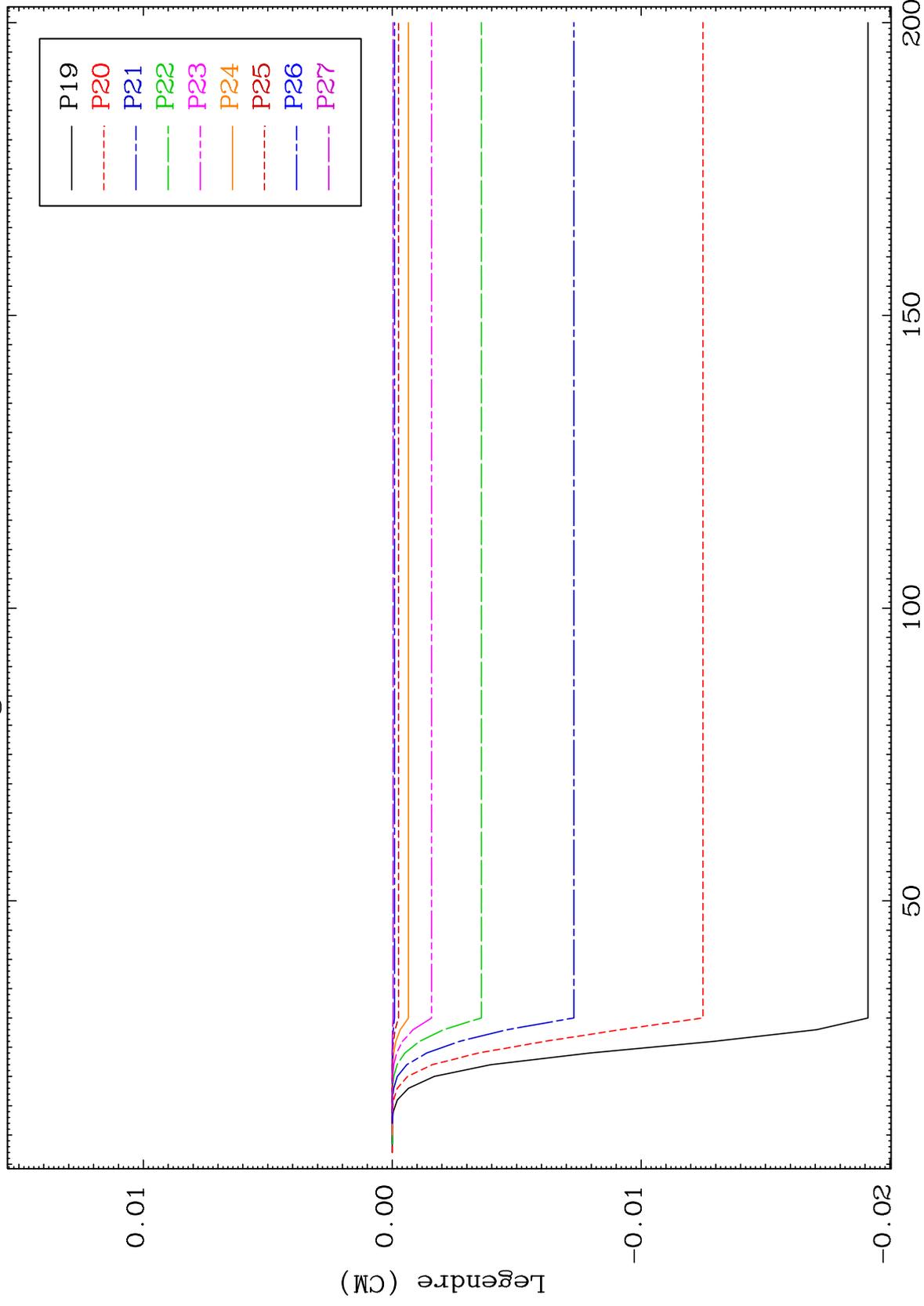
Incident Energy (MeV)

61-Pm-155

MAT 6173

2.353 MeV (n,n') Level  
Legendre Coefficients

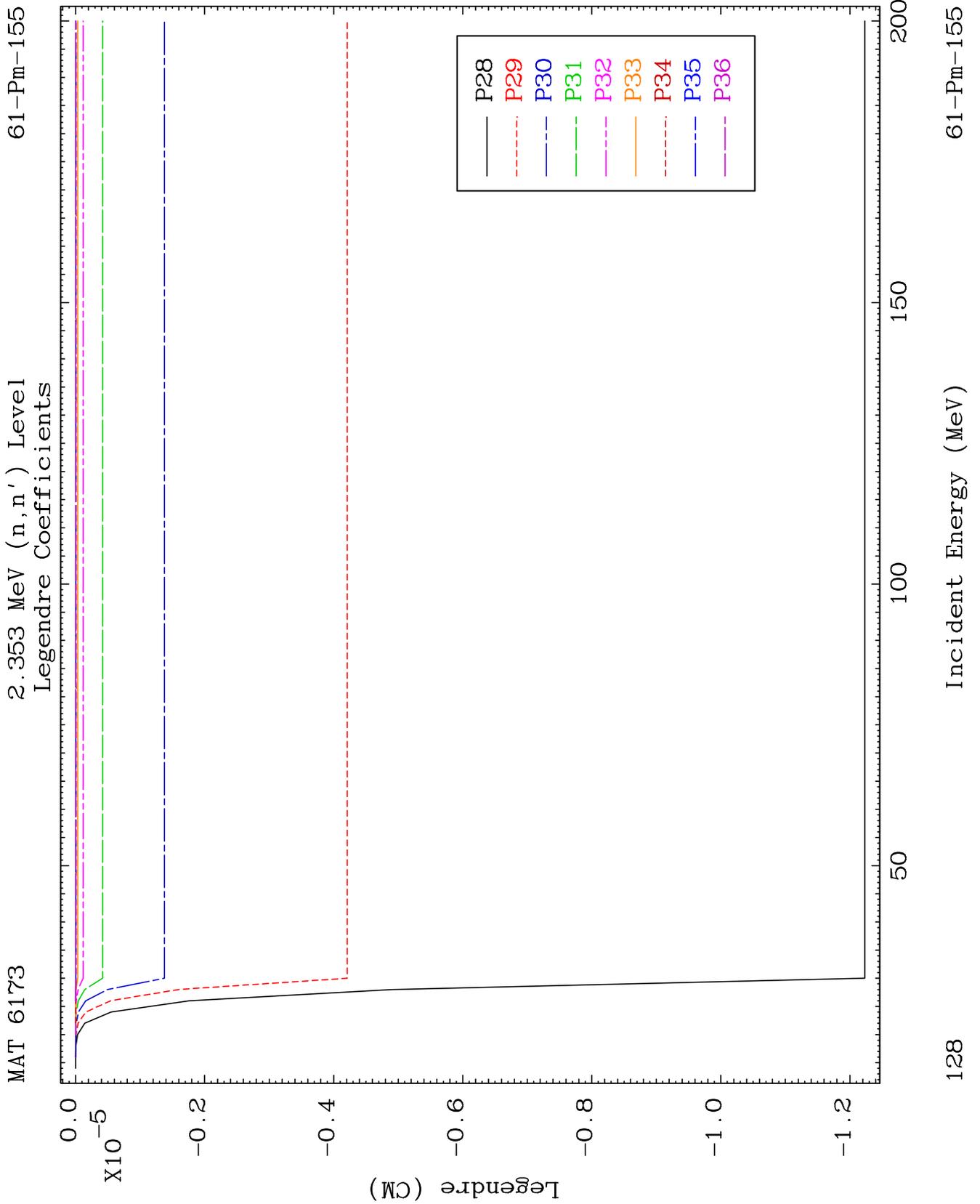
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127

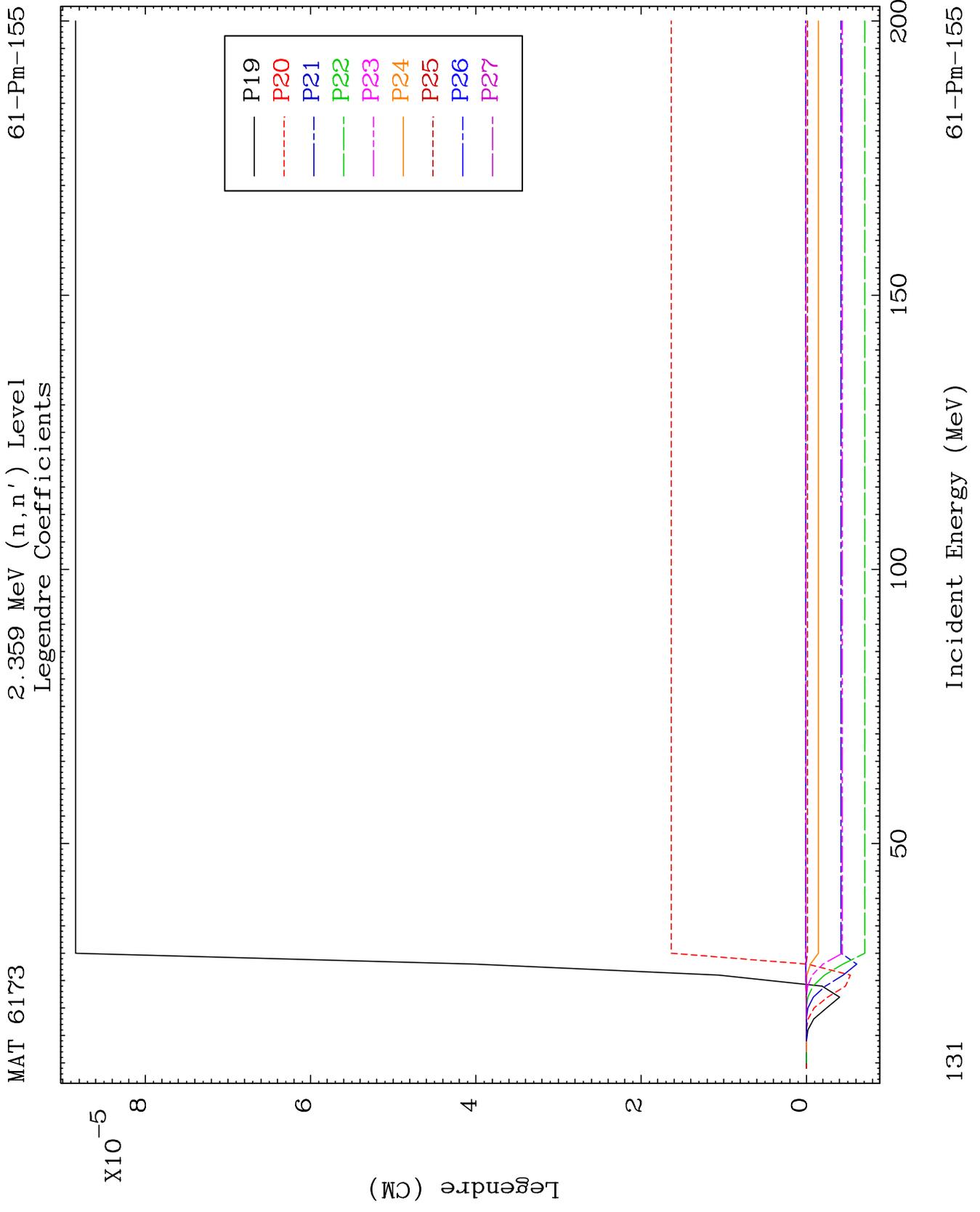
Incident Energy (MeV)

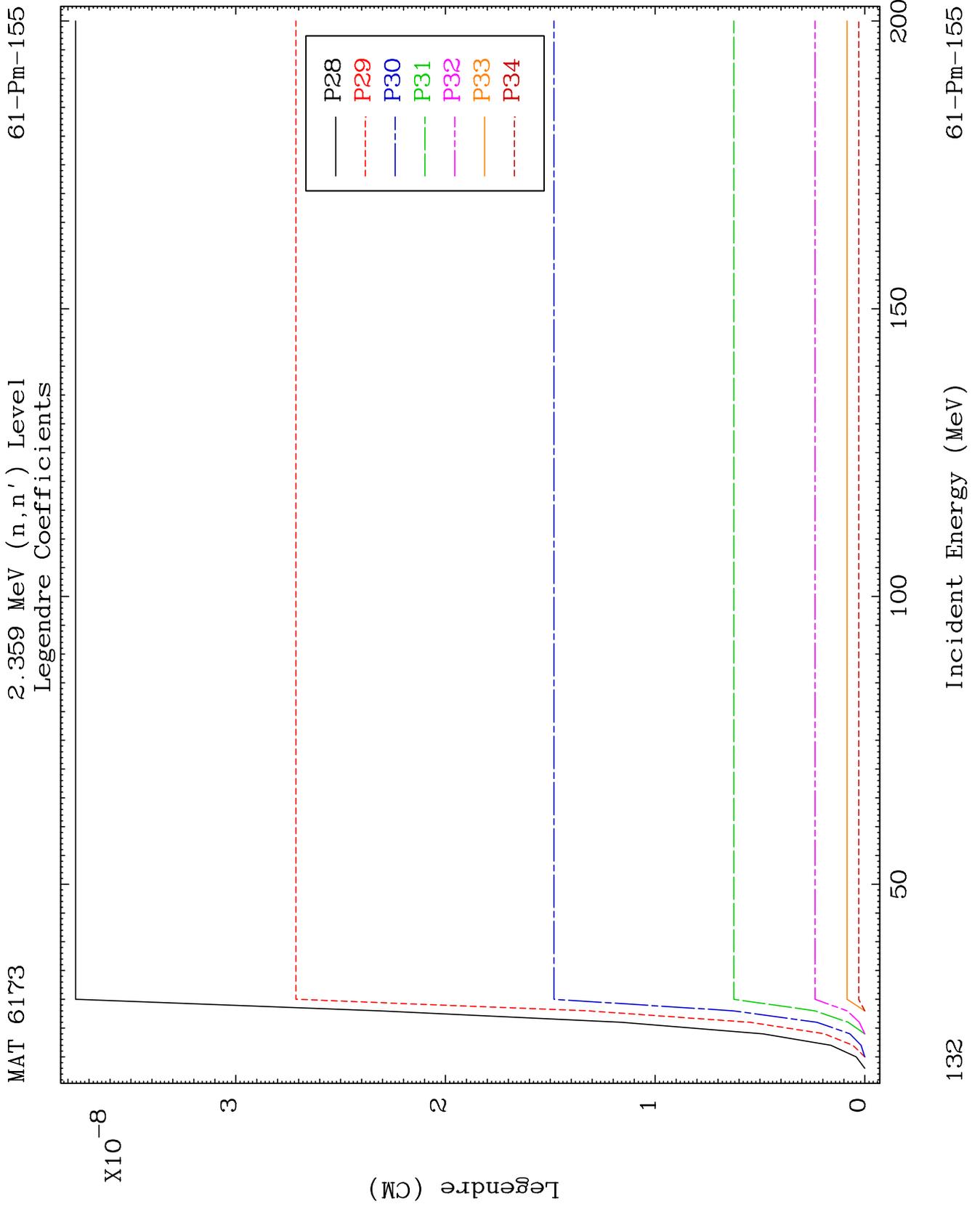
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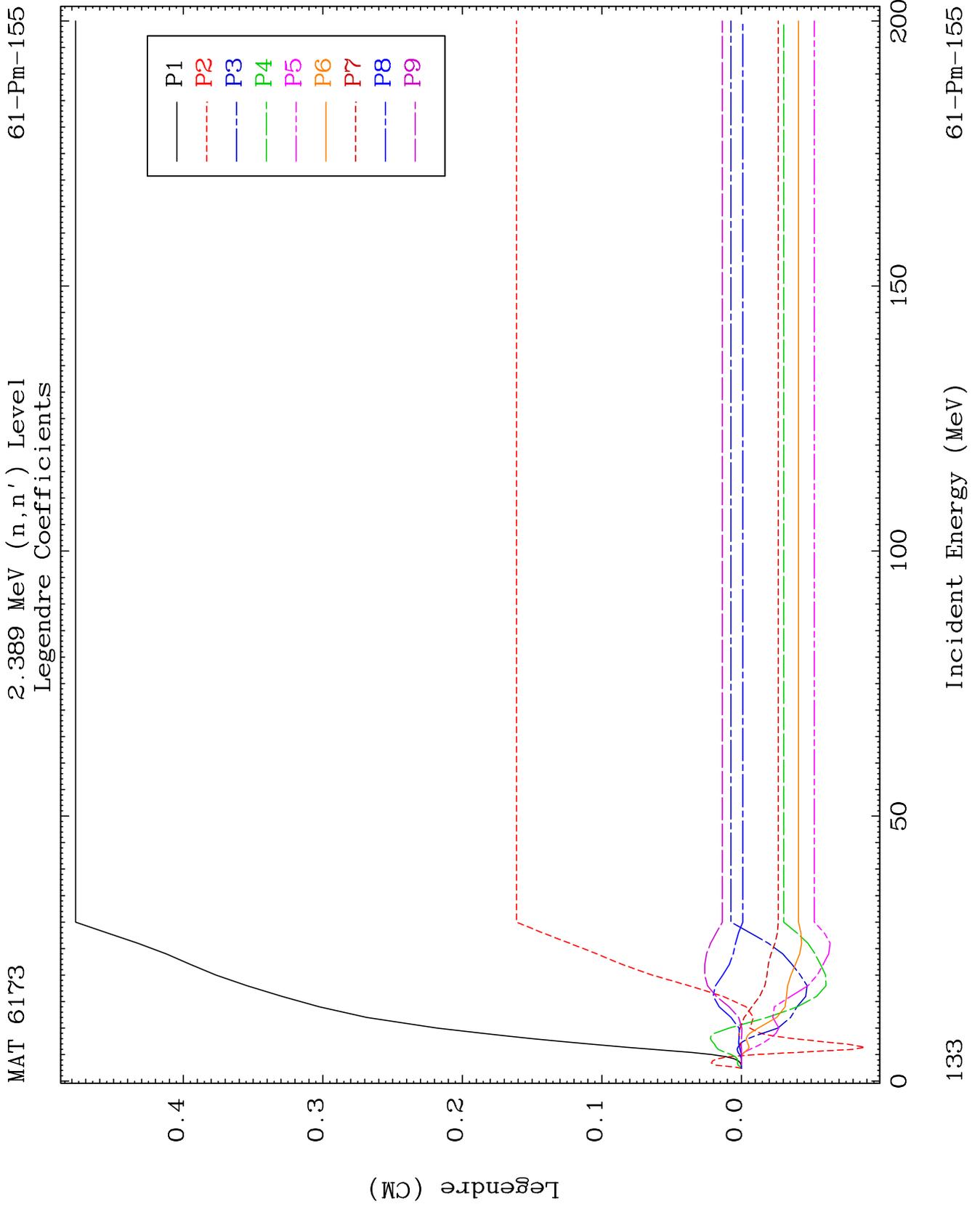








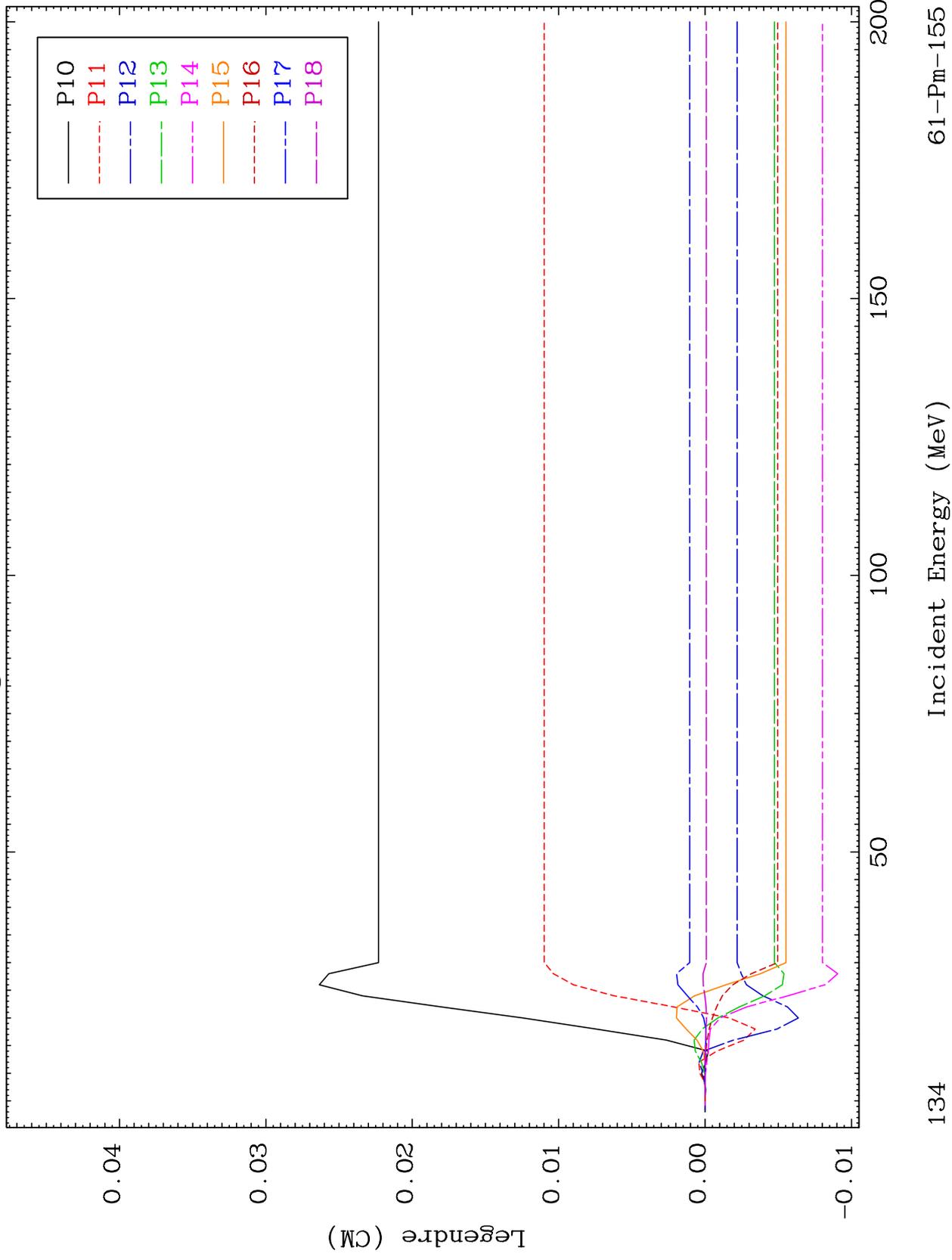




MAT 6173

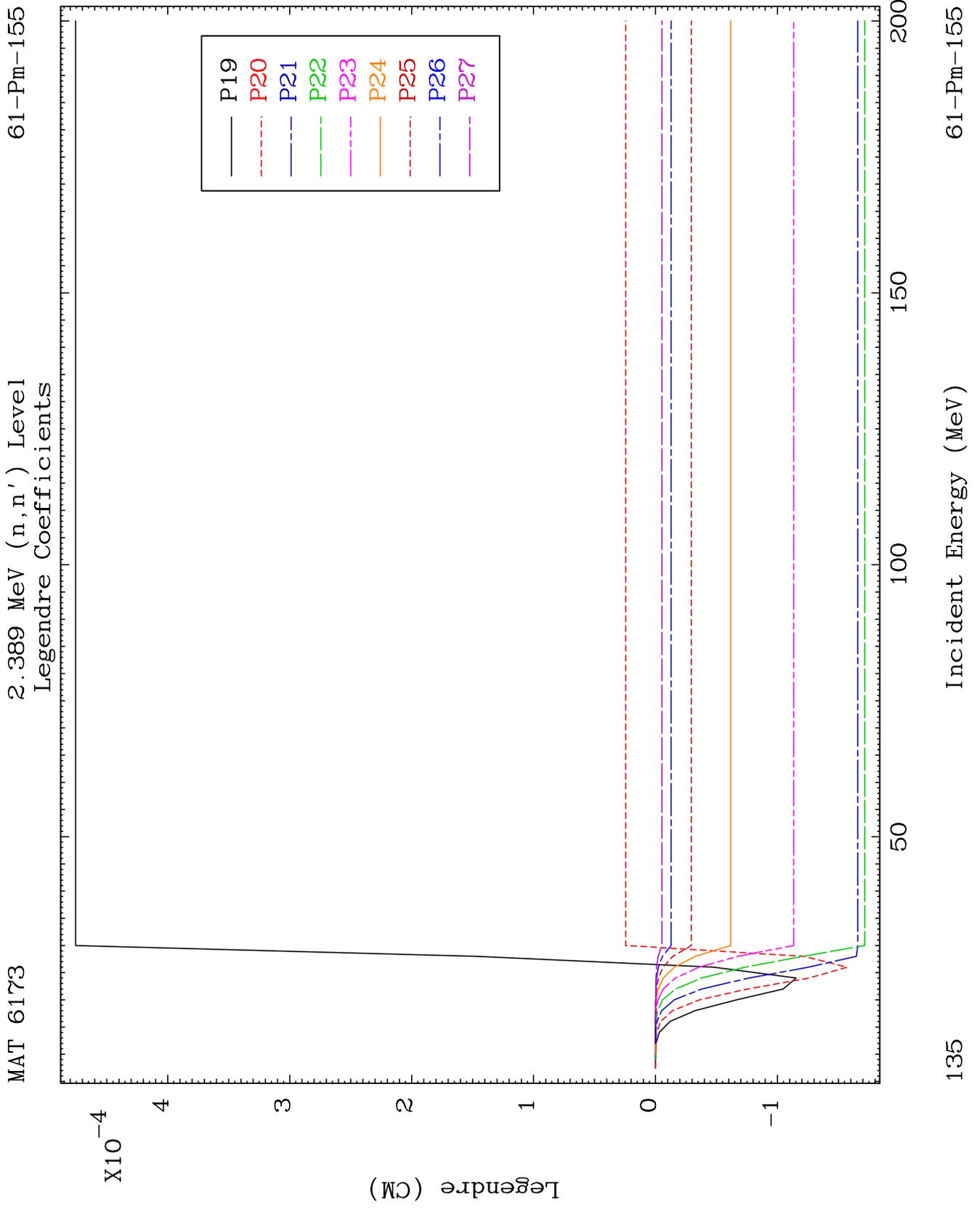
2.389 MeV (n,n') Level  
Legendre Coefficients

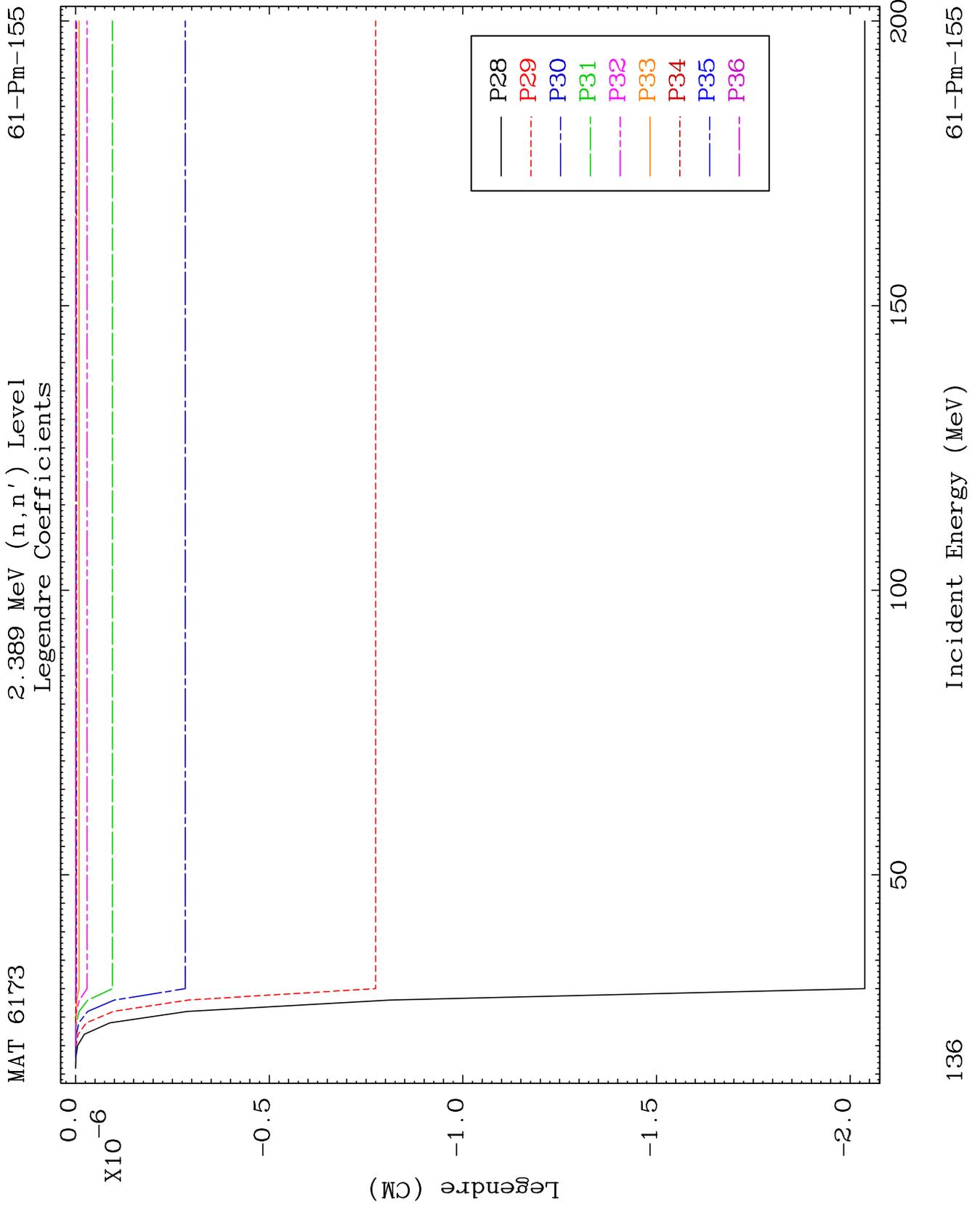
61-Pm-155



134

61-Pm-155

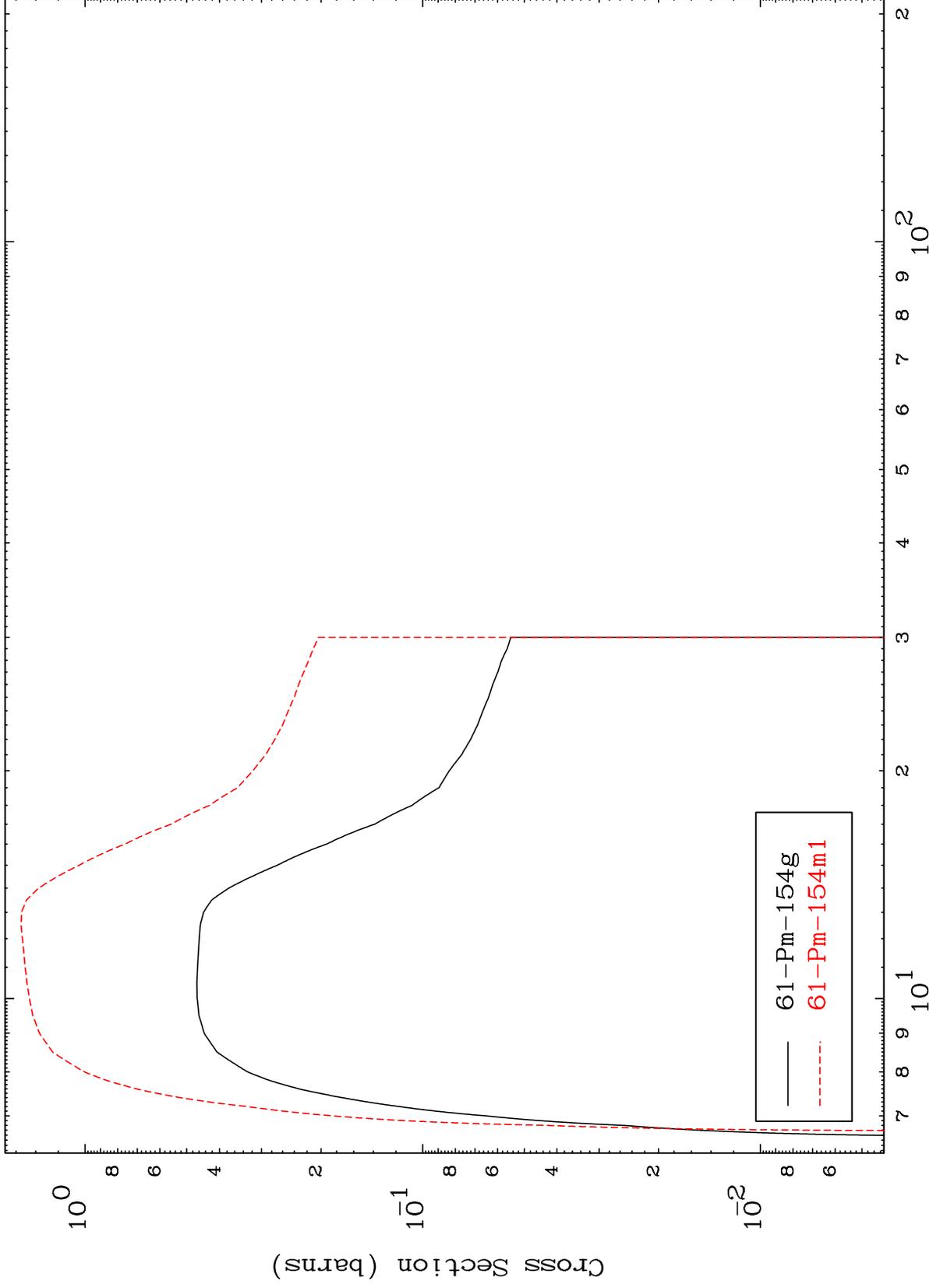




MAT 6173

61-Pm-155

(n,2n)  
Radionuclide Production Cross Section



61-Pm-154g  
61-Pm-154m1

61-Pm-155

Incident Energy (MeV)

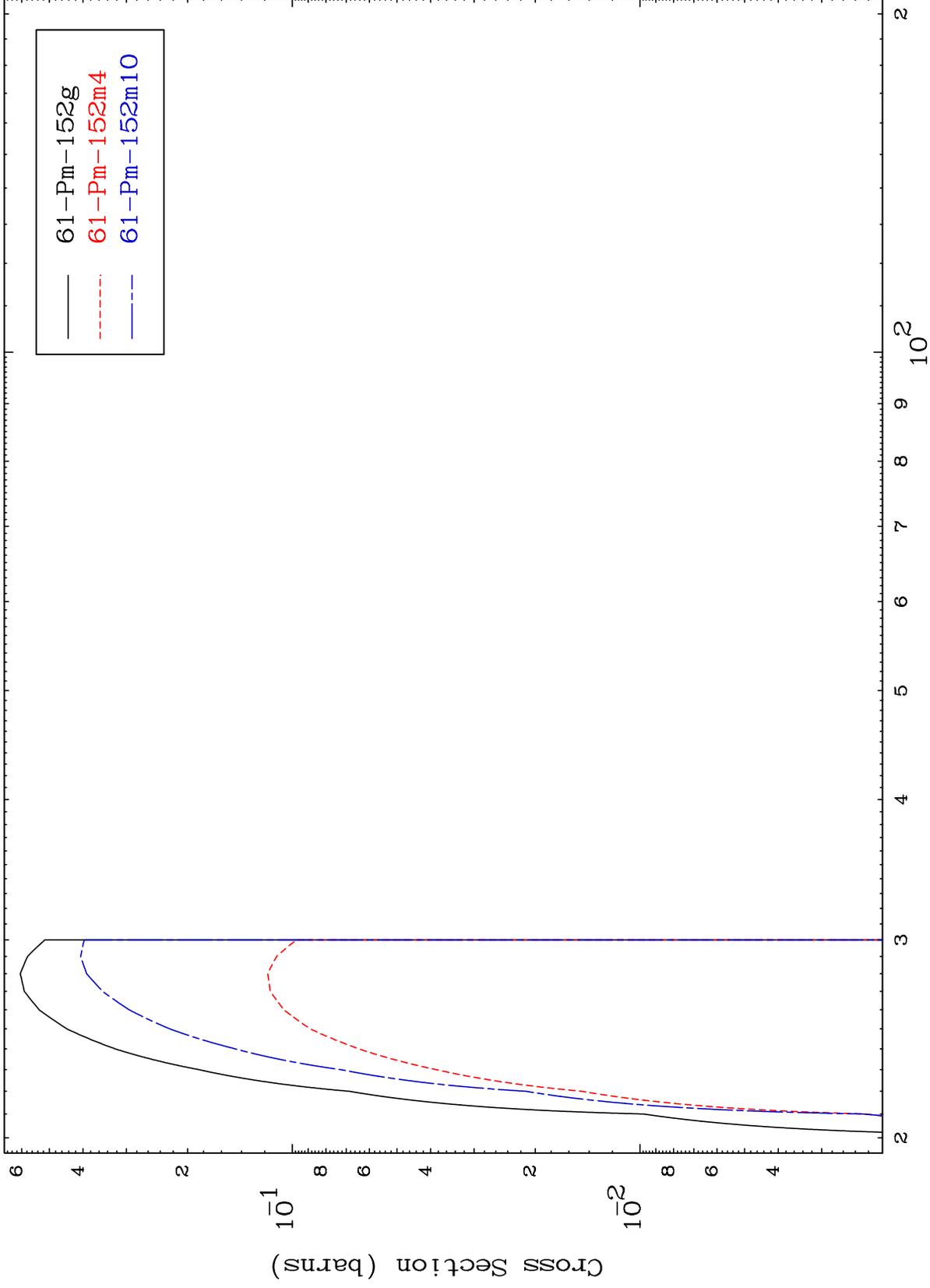
137

MAT 6173

(n,4n)

61-Pm-155

Radionuclide Production Cross Section



138

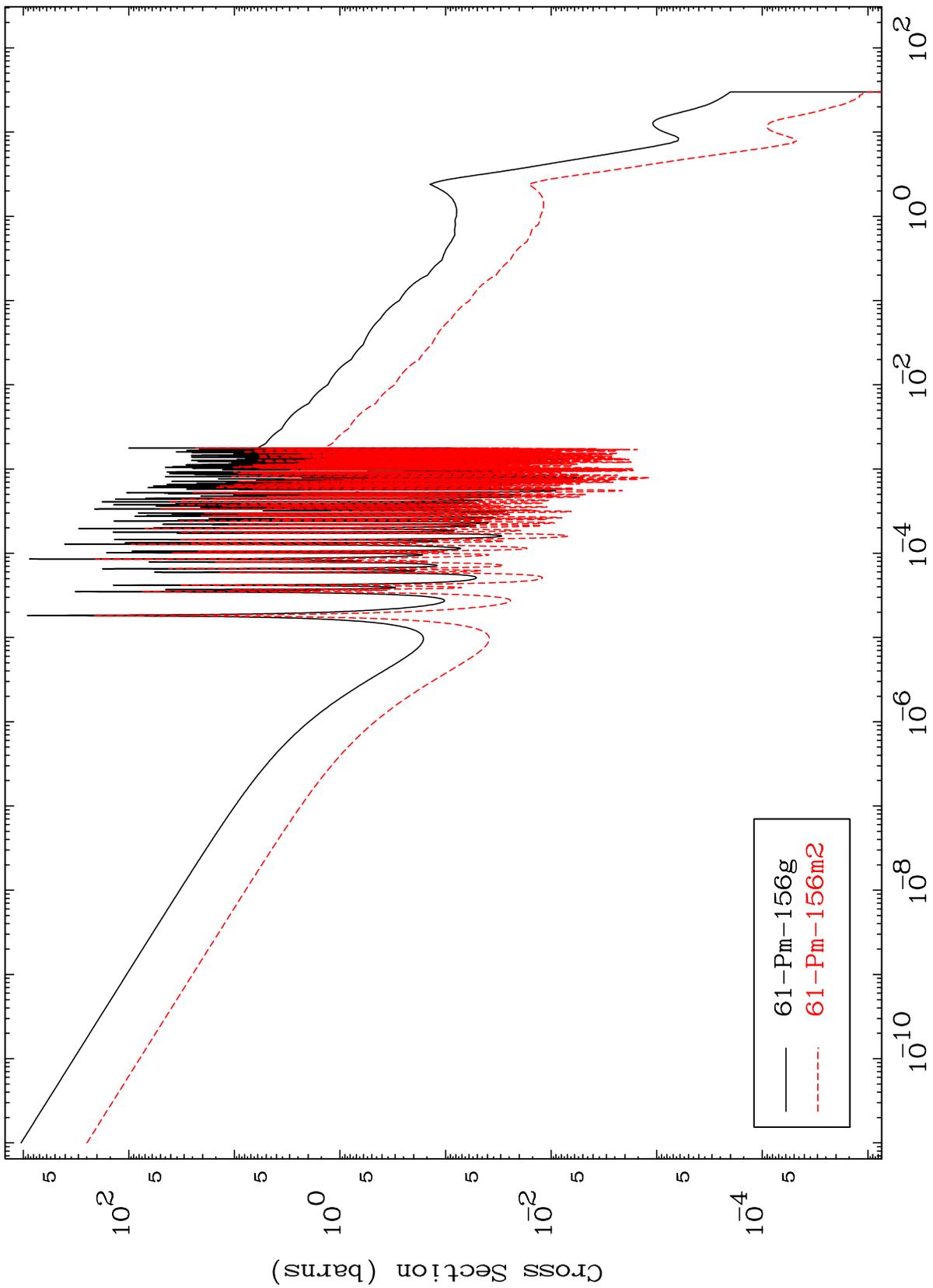
Incident Energy (MeV)

61-Pm-155

MAT 6173

61-Pm-155

(n,γ)  
Radionuclide Production Cross Section



61-Pm-155

Incident Energy (MeV)

139