

Program EVALPLOT
(Version 2017-1)

by

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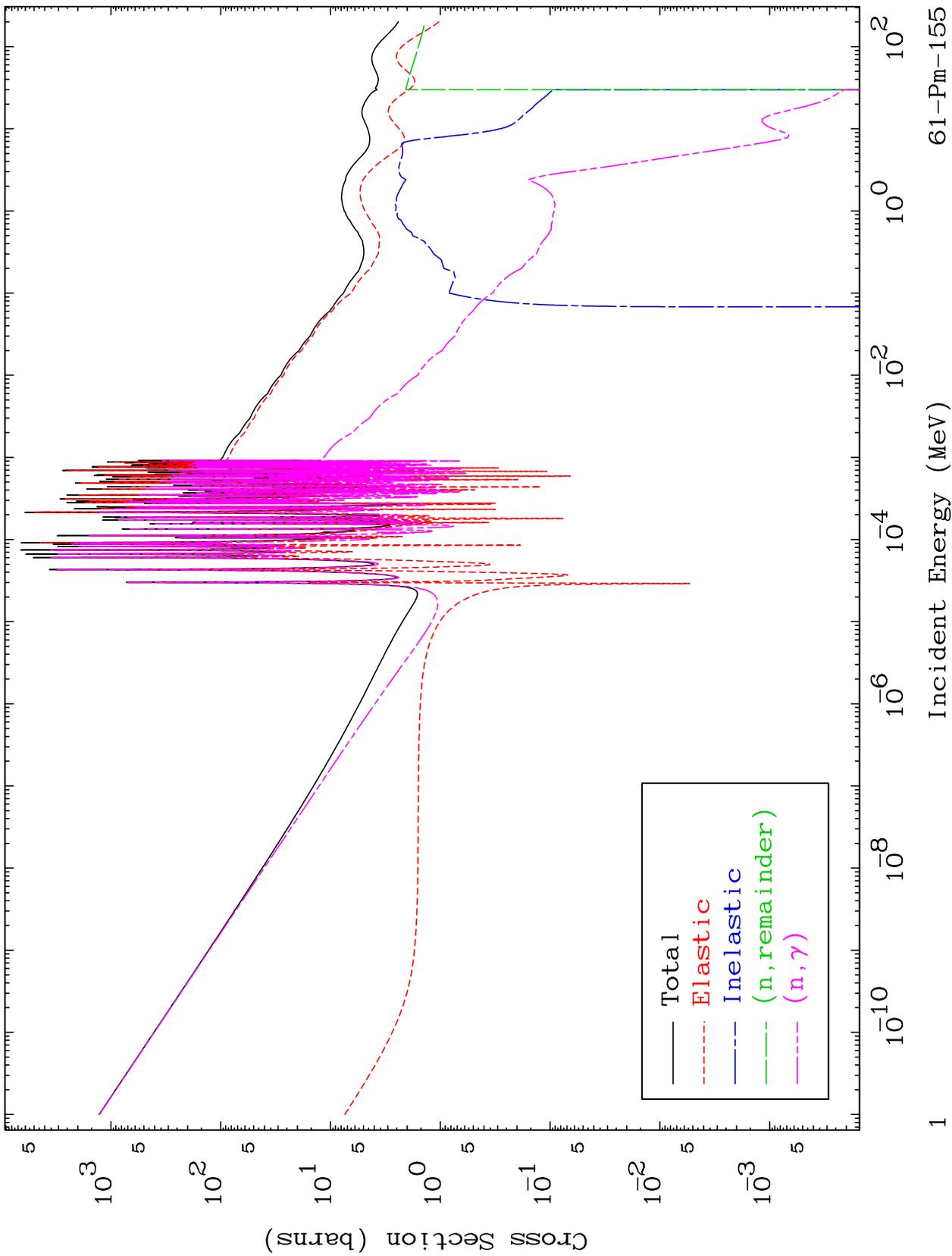
Press Mouse Button to Start

MAT 6173

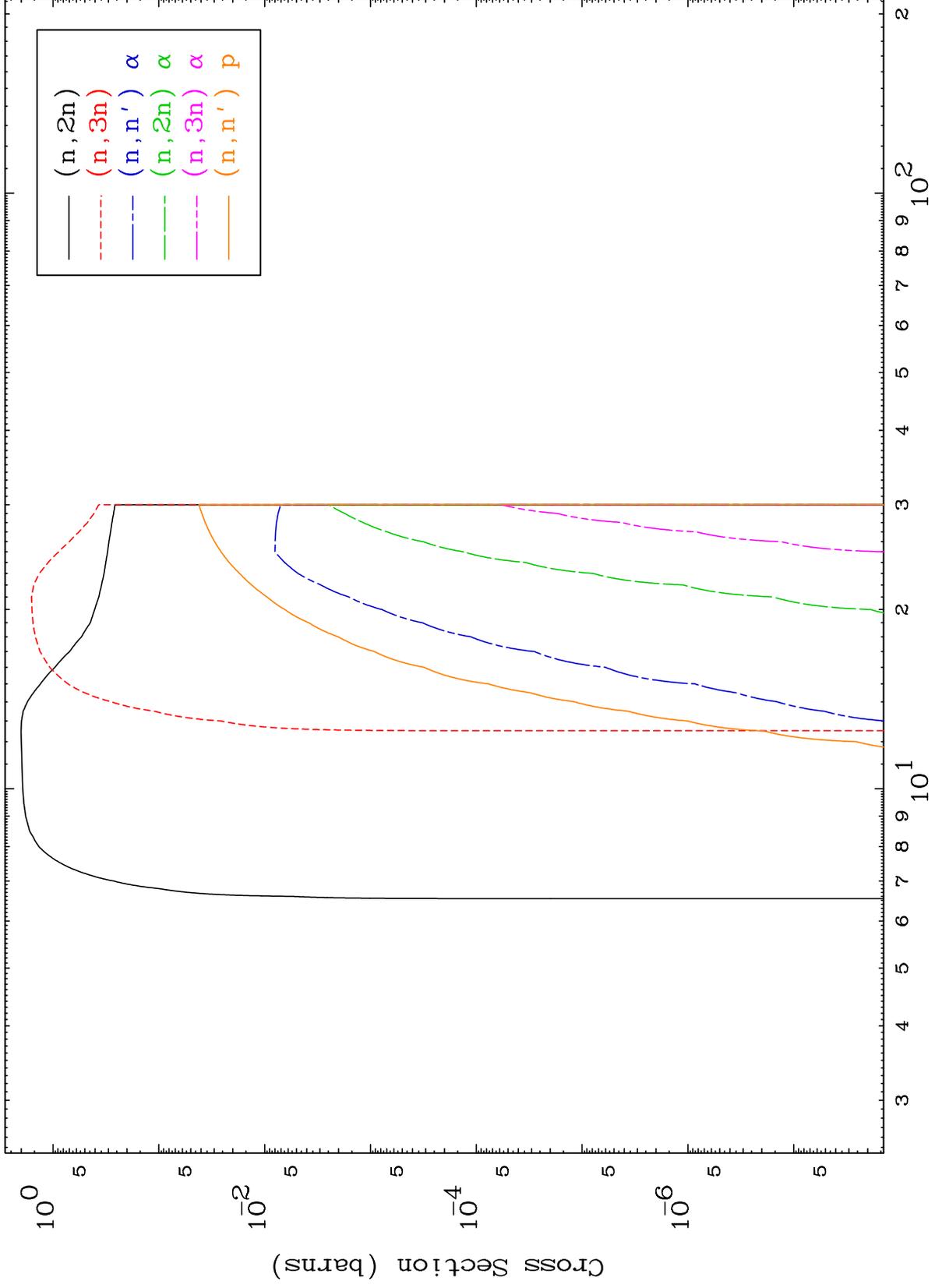
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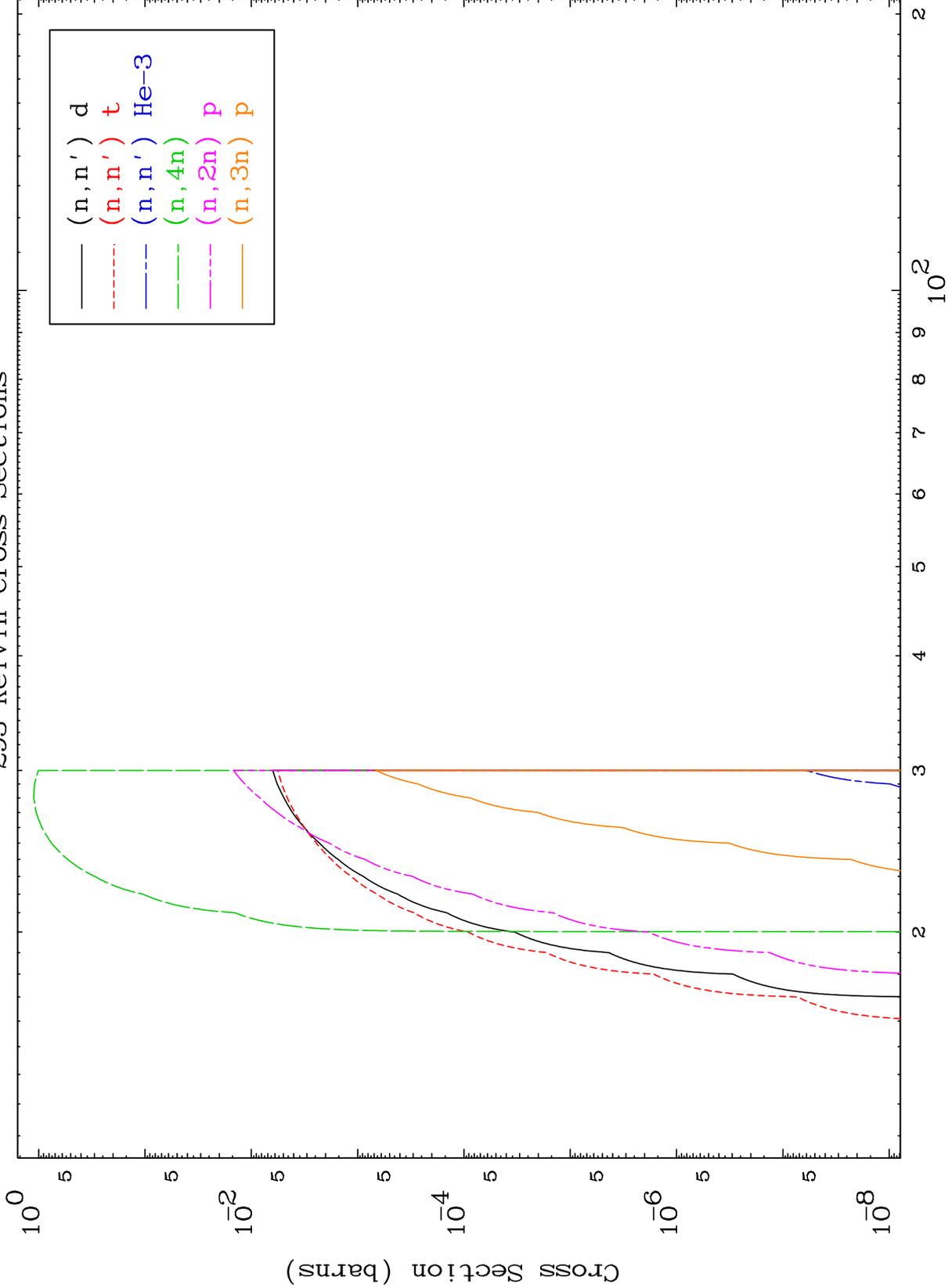
61-Pm-155

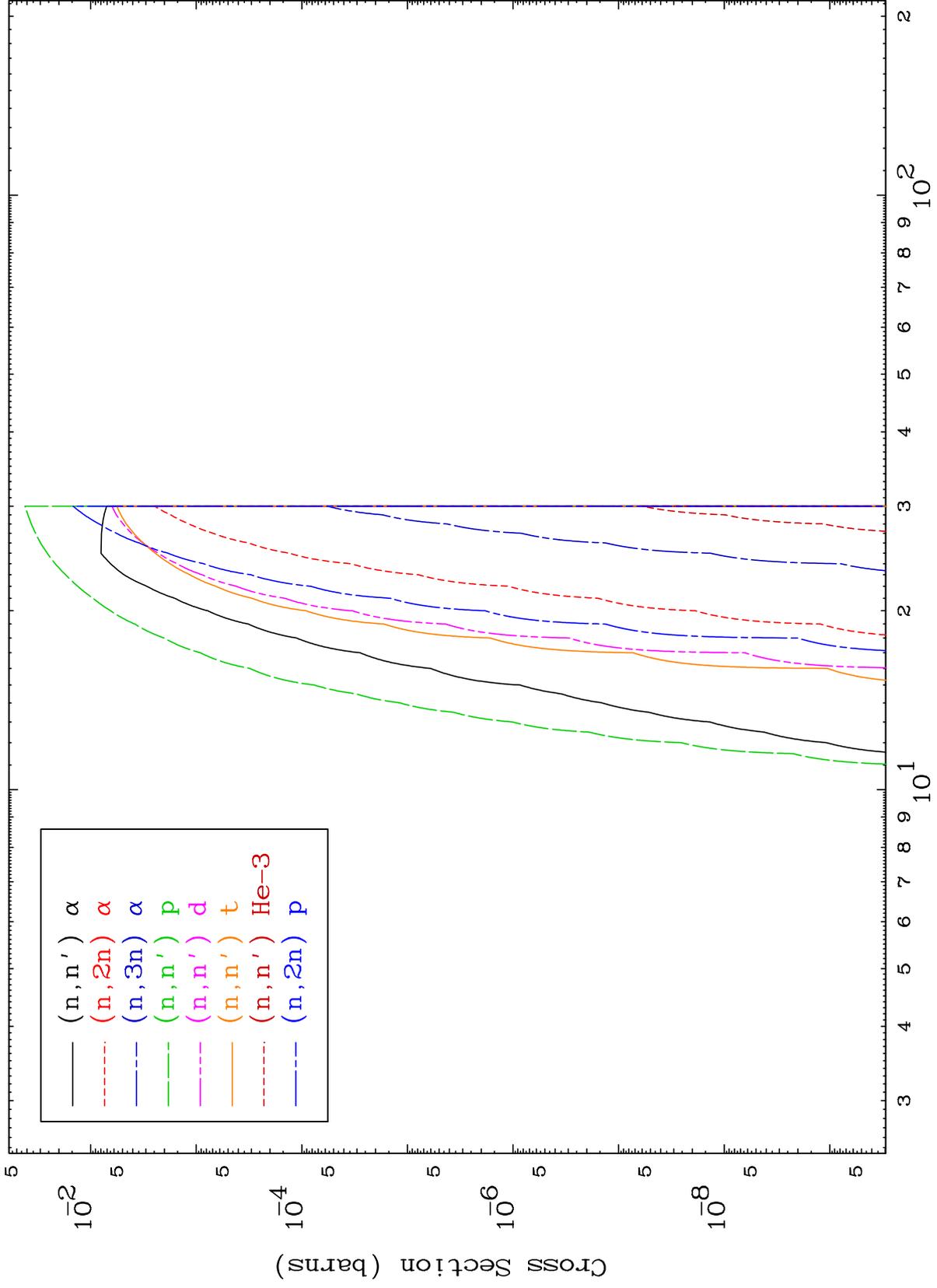
293 Kelvin Cross Sections



Neutron Production
293 Kelvin Cross Sections



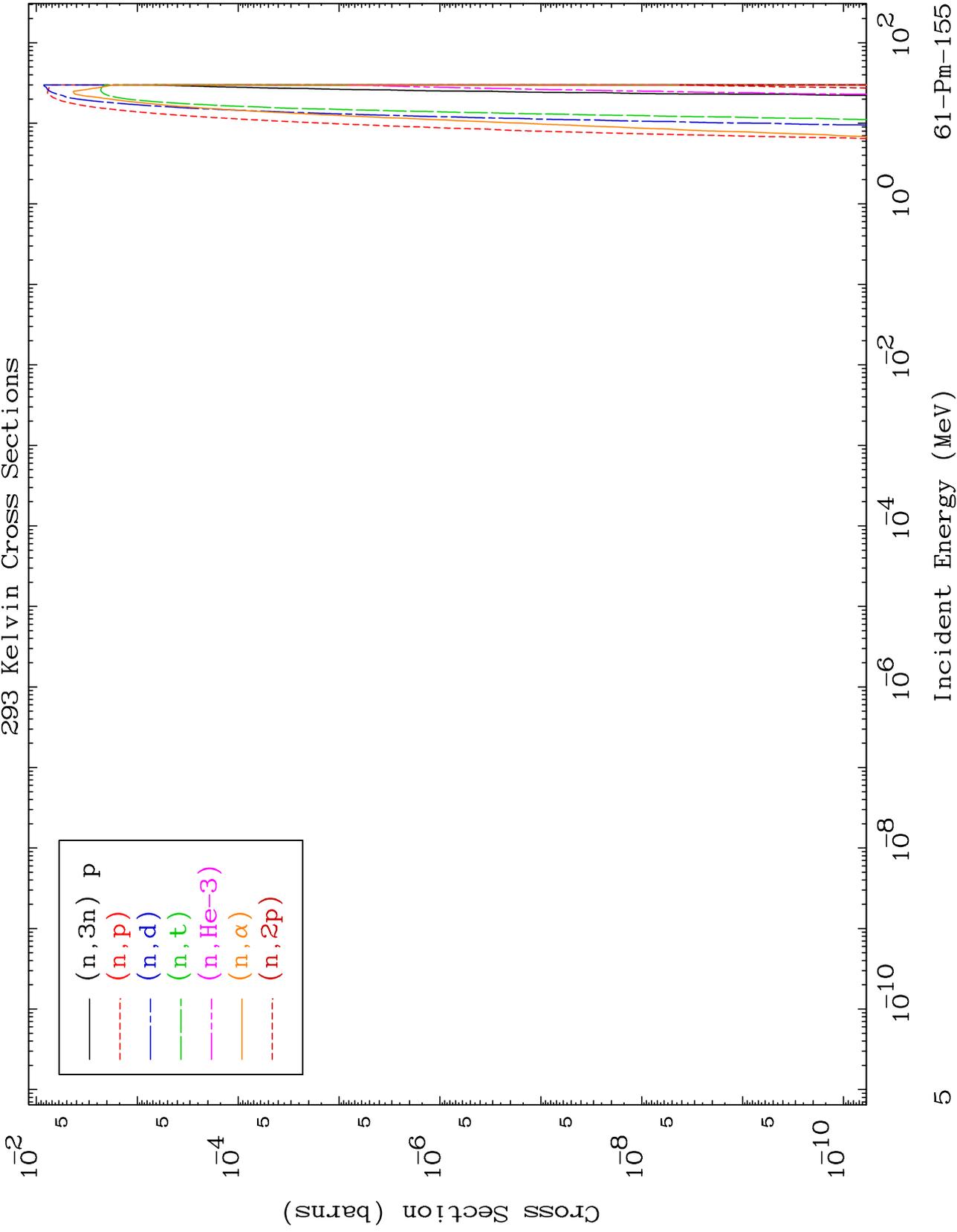




MAT 6173

Charged Particle
293 Kelvin Cross Sections

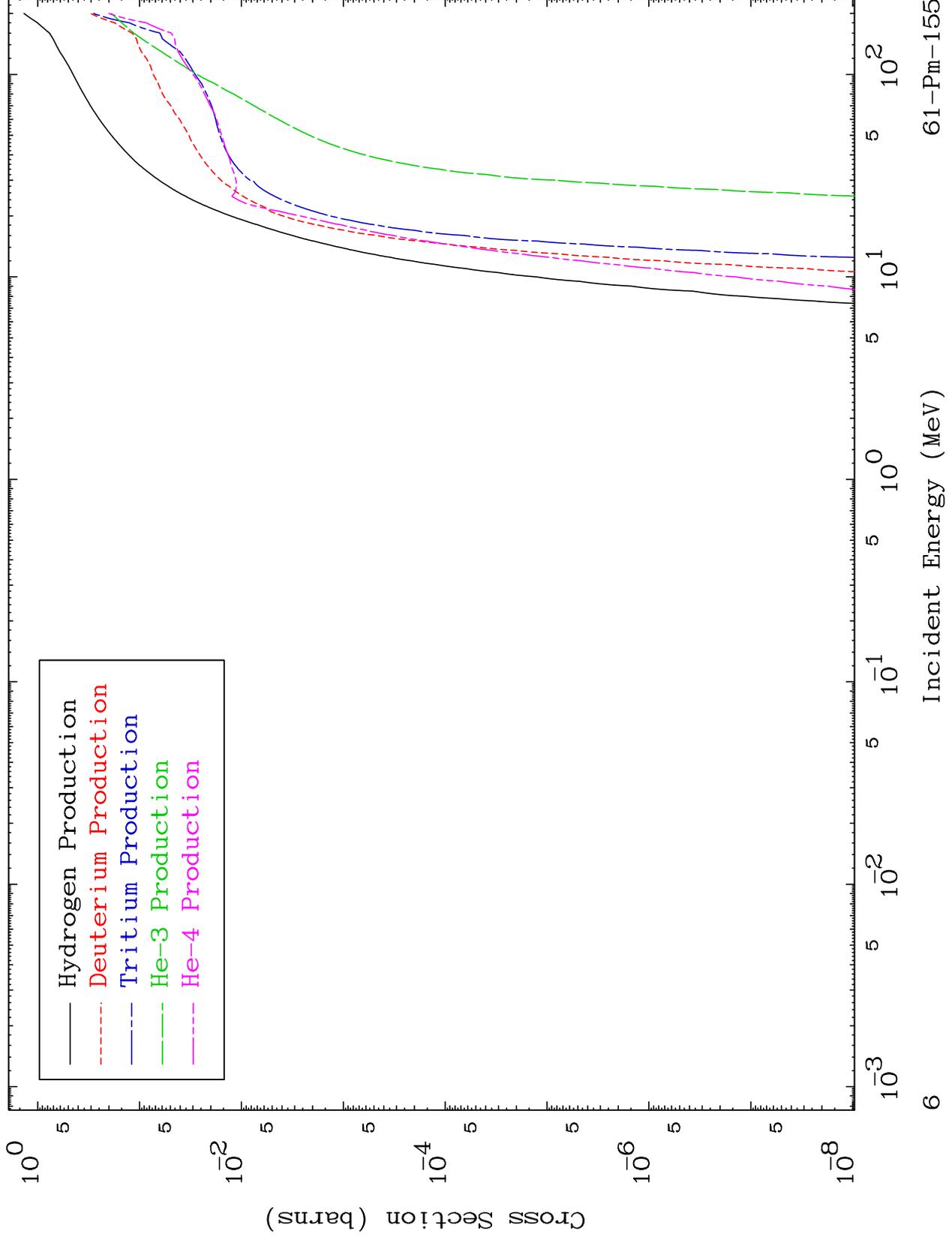
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MAT 6173

Particle Production
293 Kelvin Cross Sections

61-Pm-155



61-Pm-155

Incident Energy (MeV)

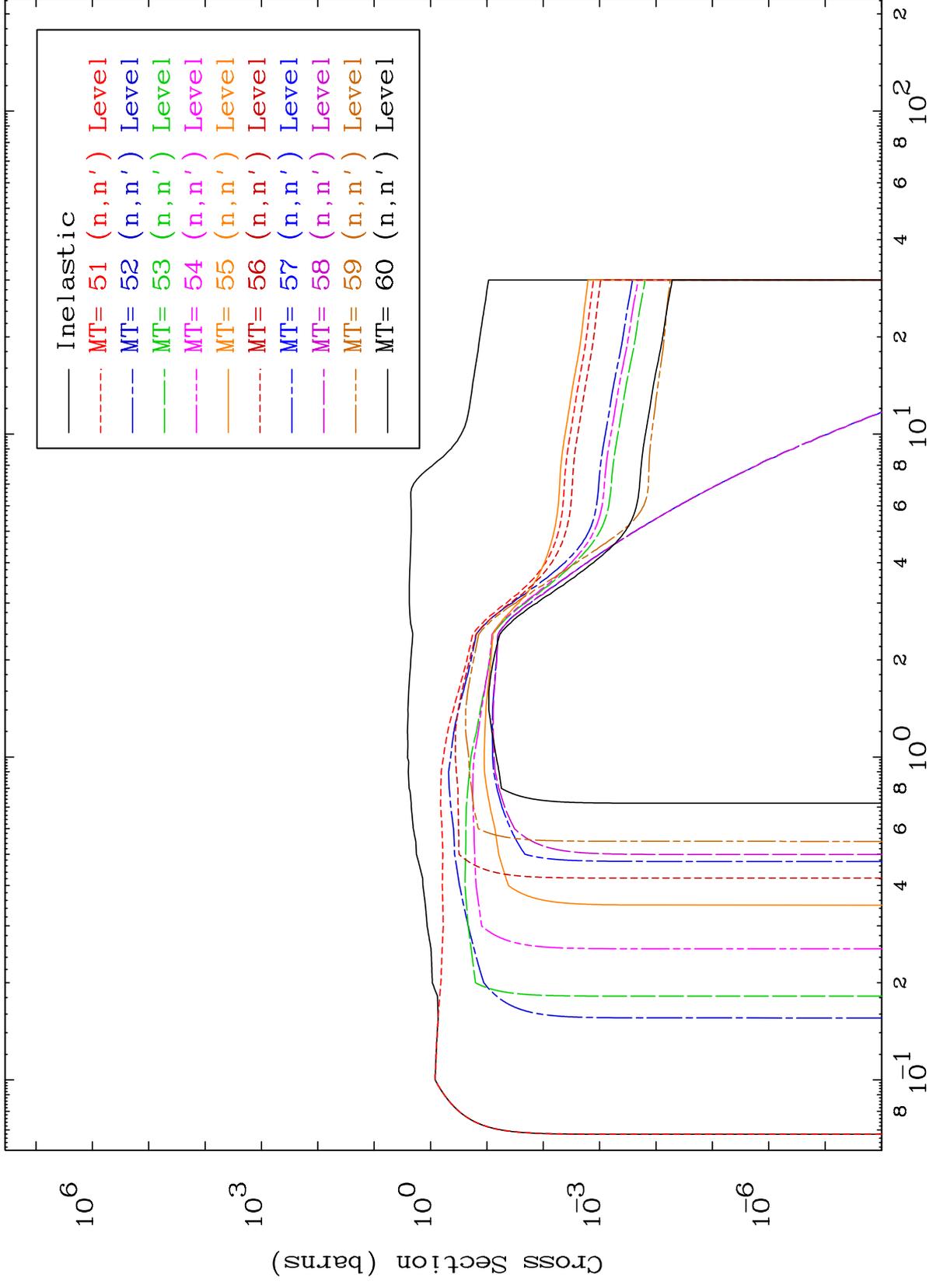
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MAT 6173

(n,n') Level

61-Pm-155

293 Kelvin Cross Sections

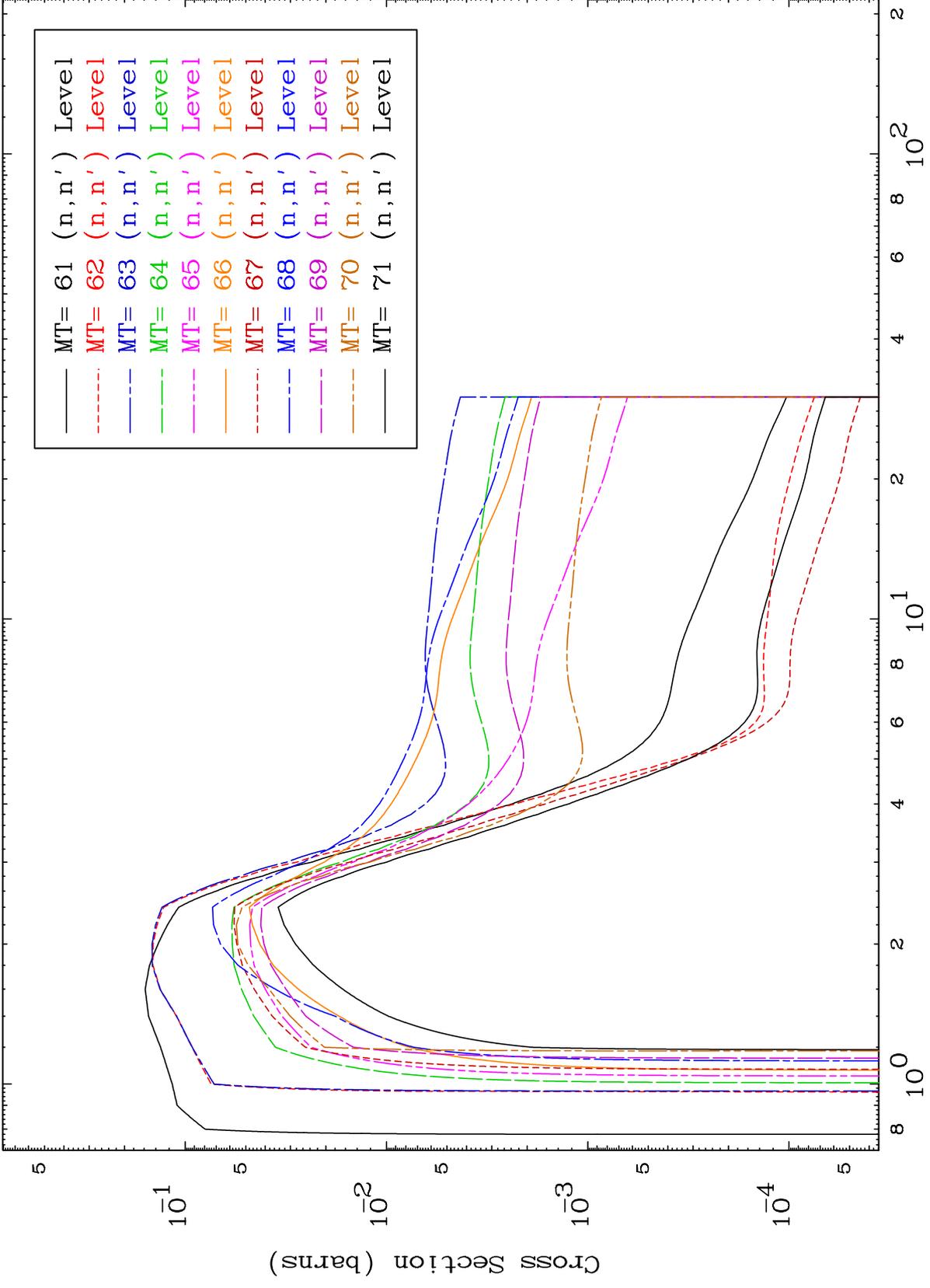


MAT 6173

(n,n') Level

61-Pm-155

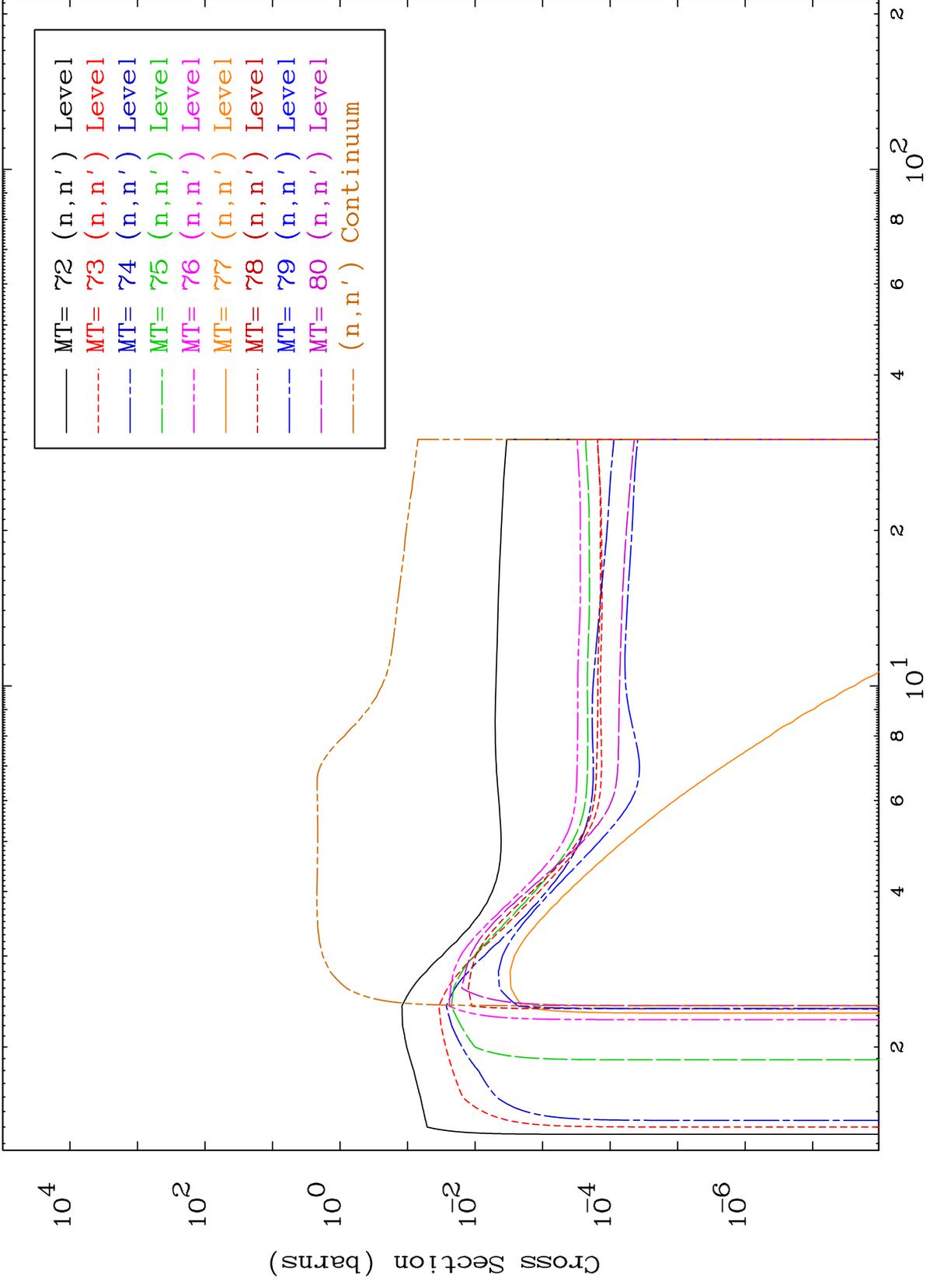
293 Kelvin Cross Sections



Incident Energy (MeV)

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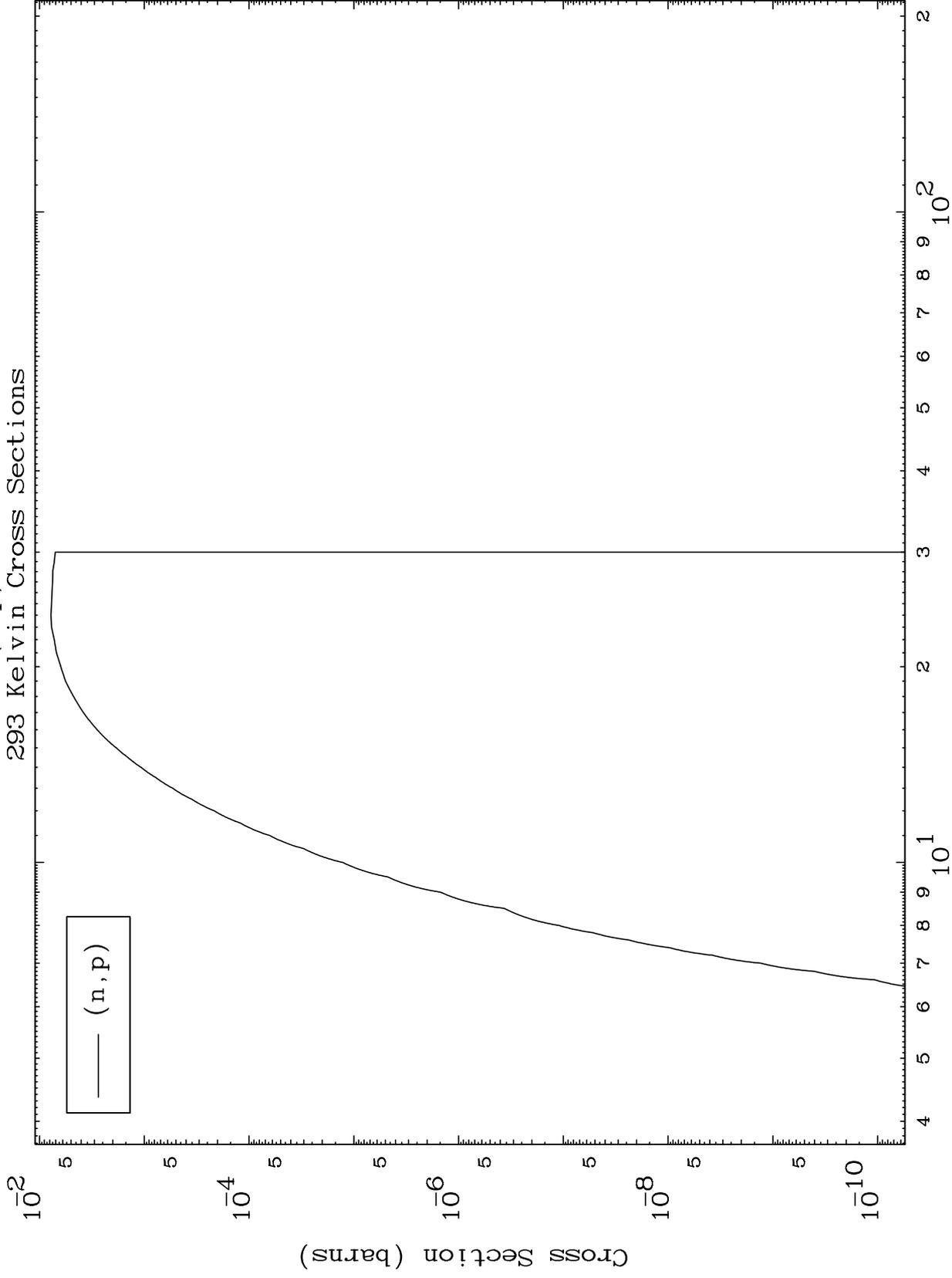
293 Kelvin Cross Sections



MAT 6173

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-155



10

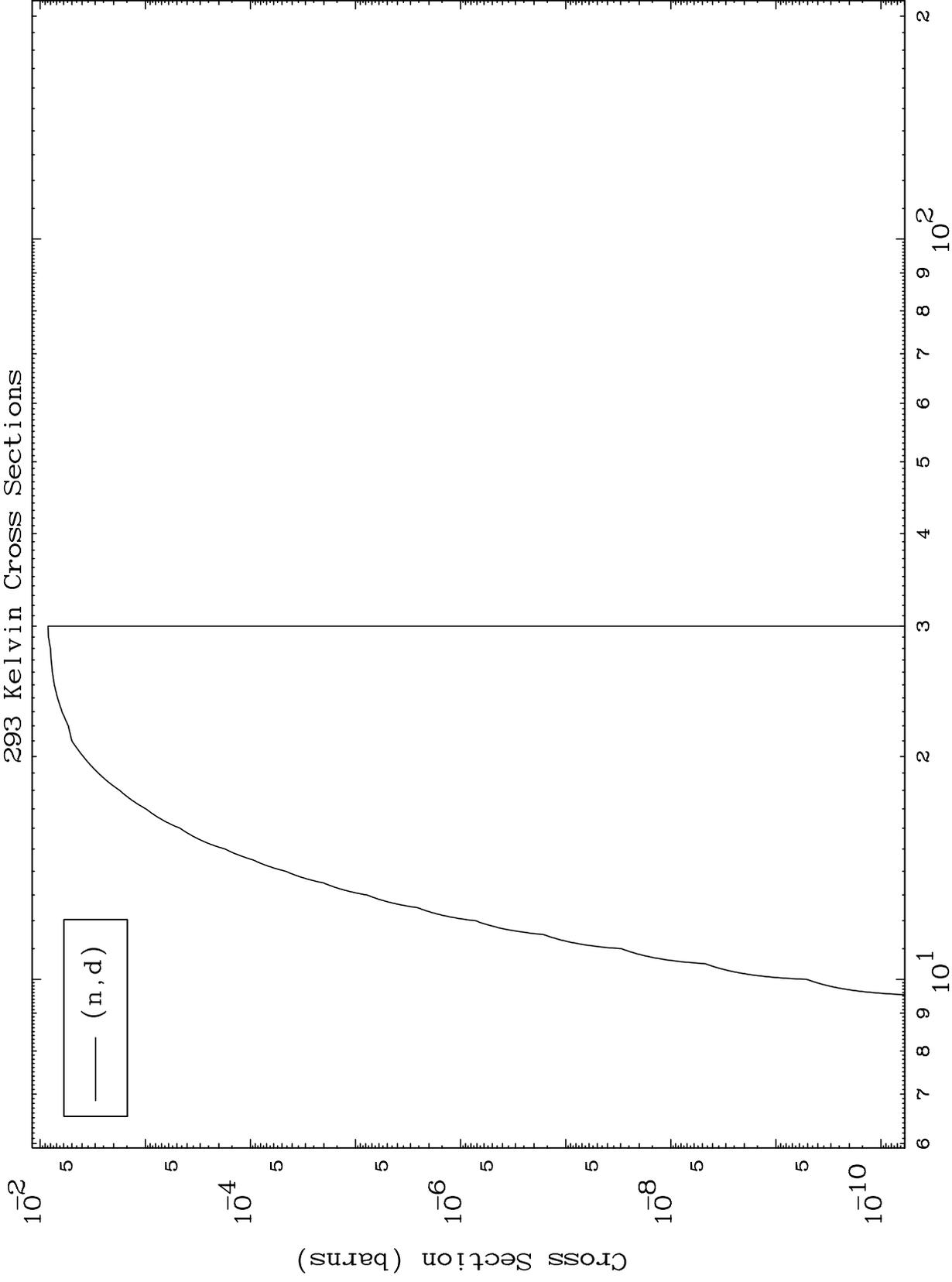
Incident Energy (MeV)

61-Pm-155

MAT 6173

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-155



11

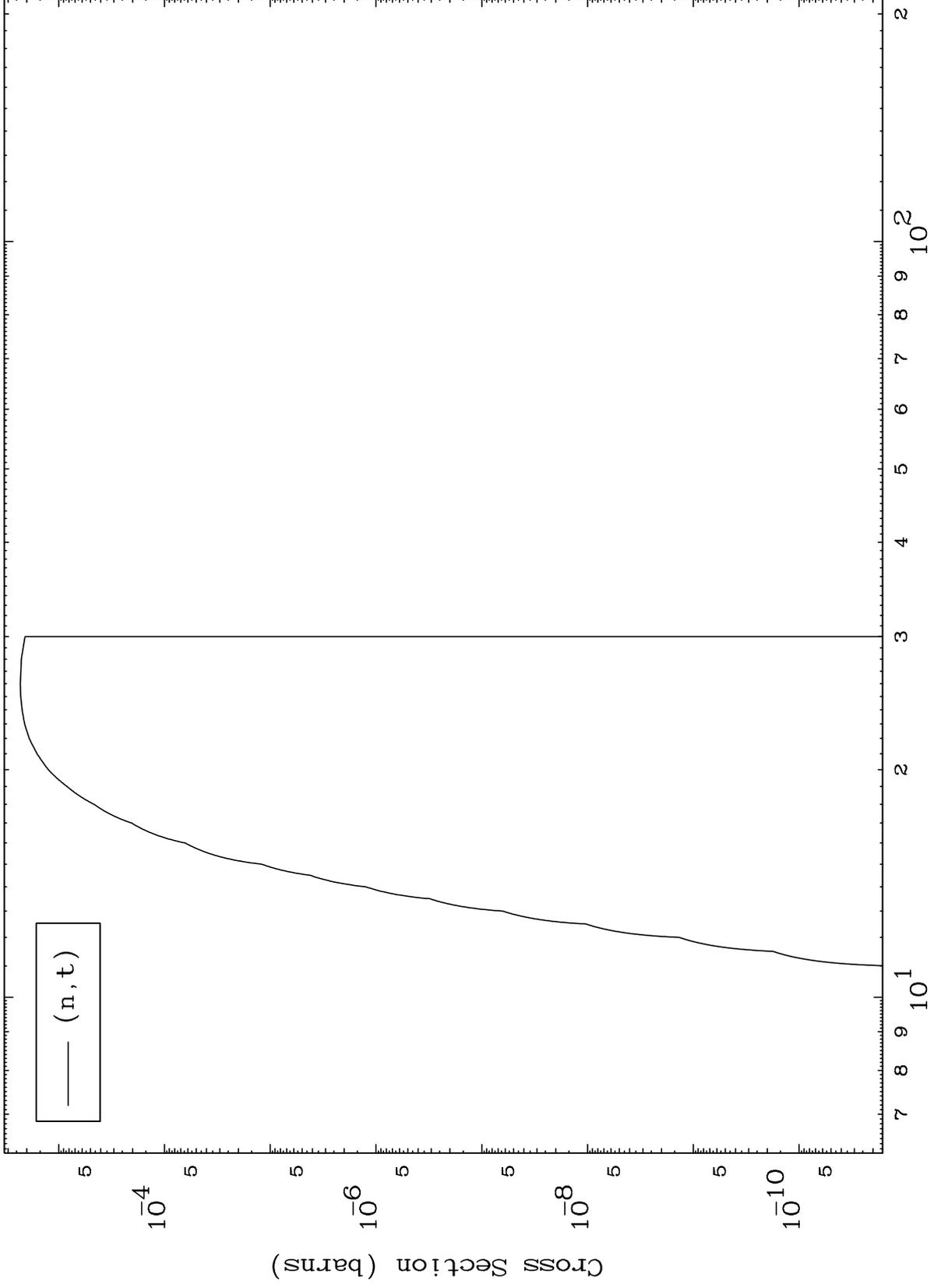
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MAT 6173

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-155



12

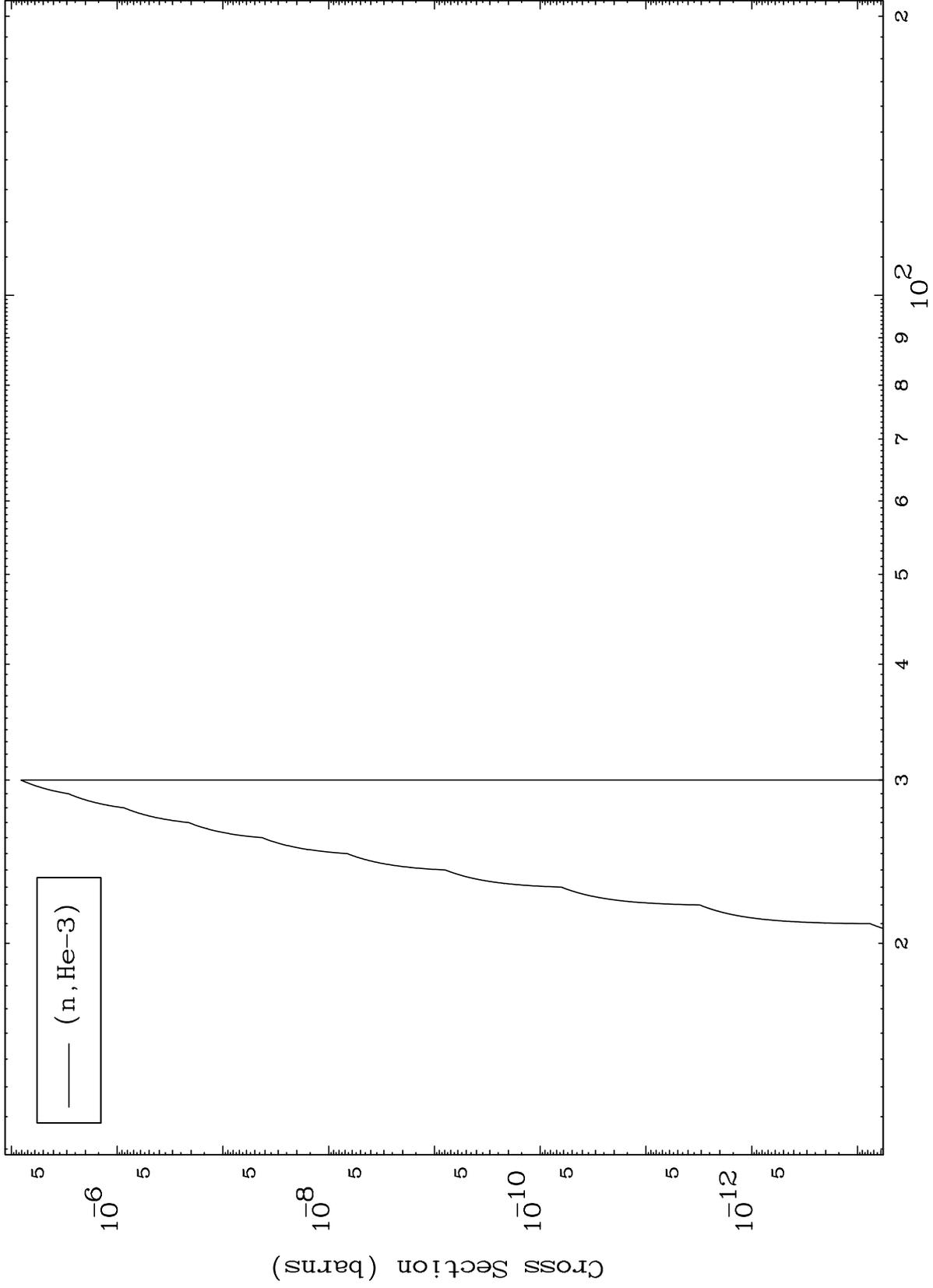
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61-Pm-155

MAT 6173

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-155



13

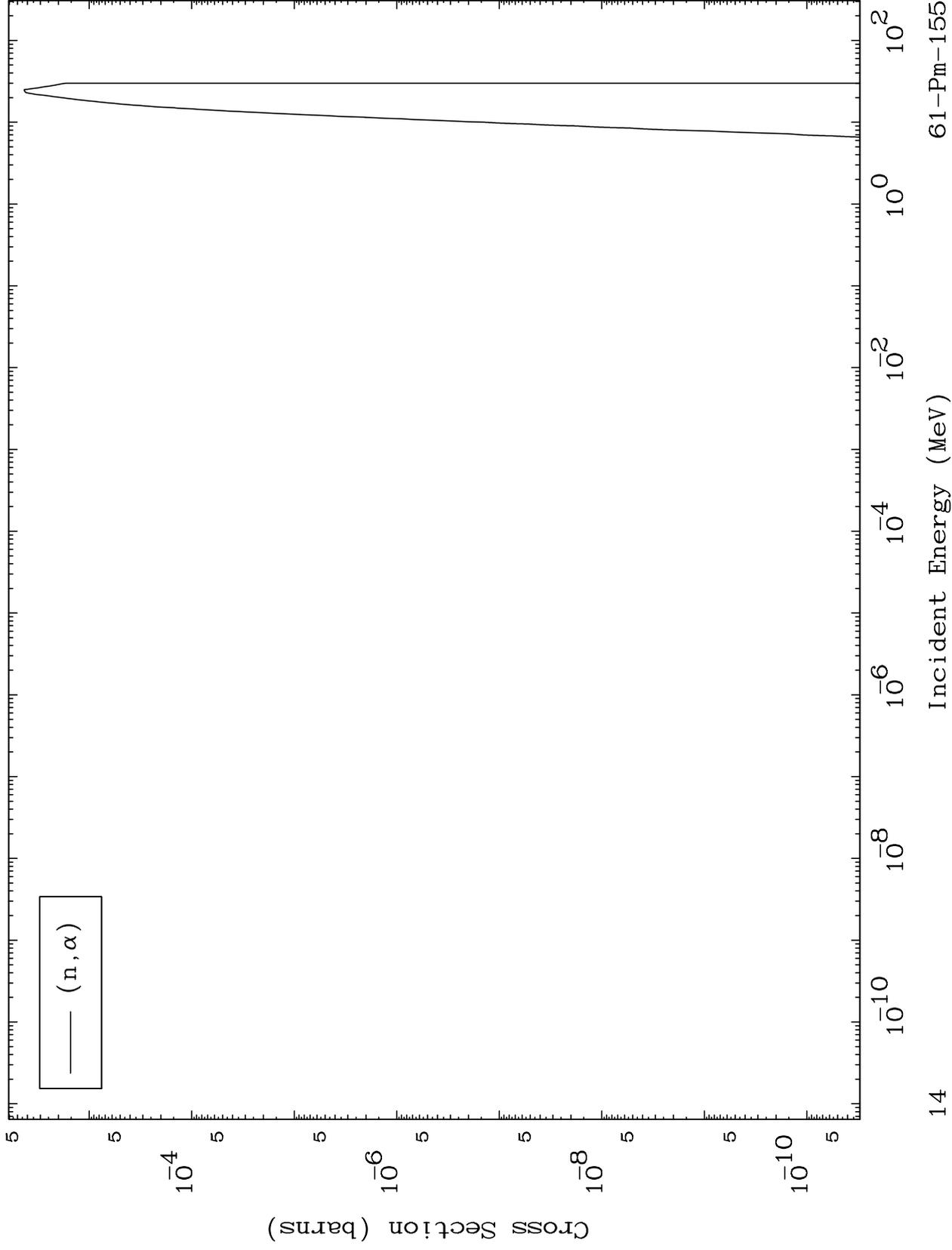
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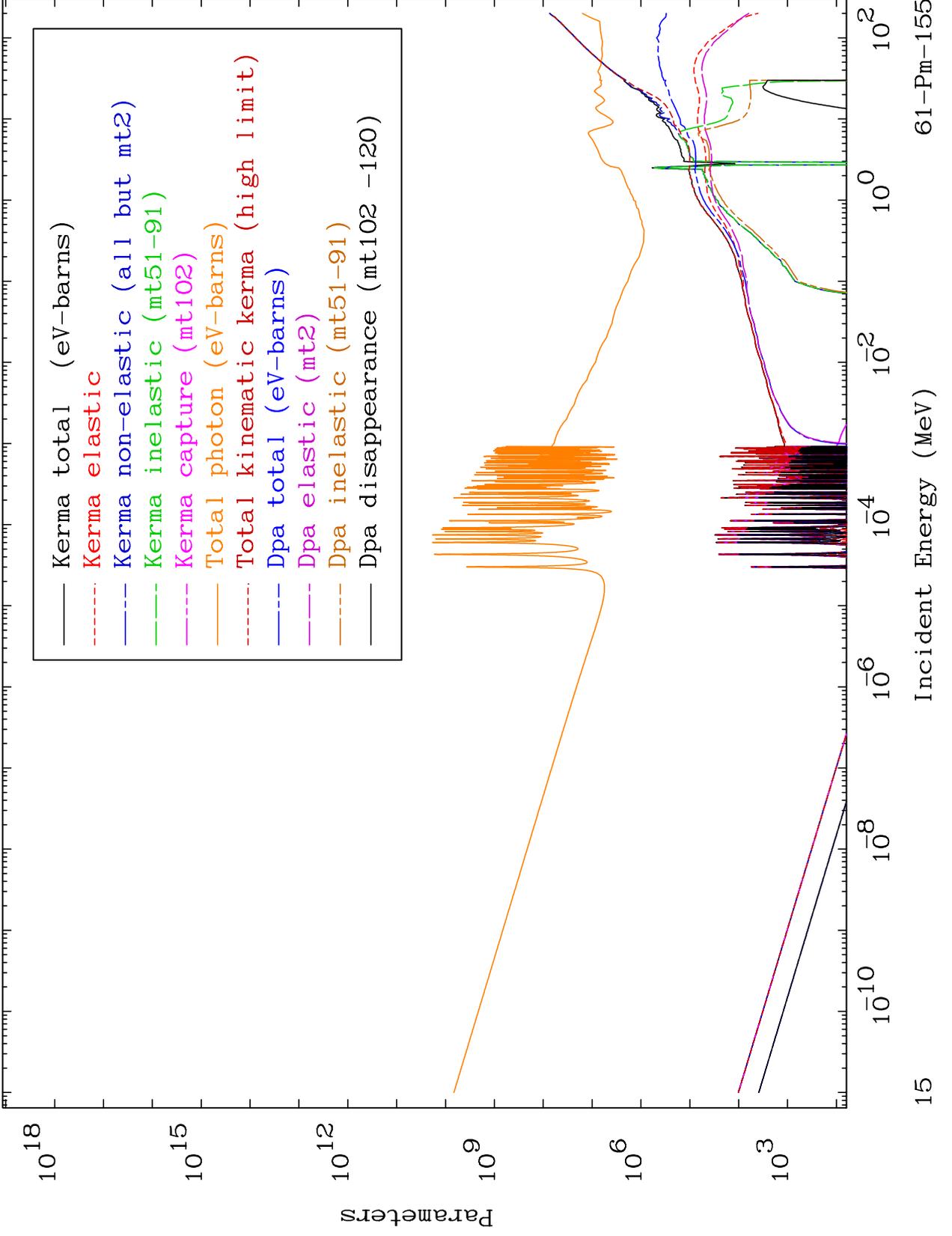
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MAT 6173

(n, α) Levels
293 Kelvin Cross Sections

61-Pm-155

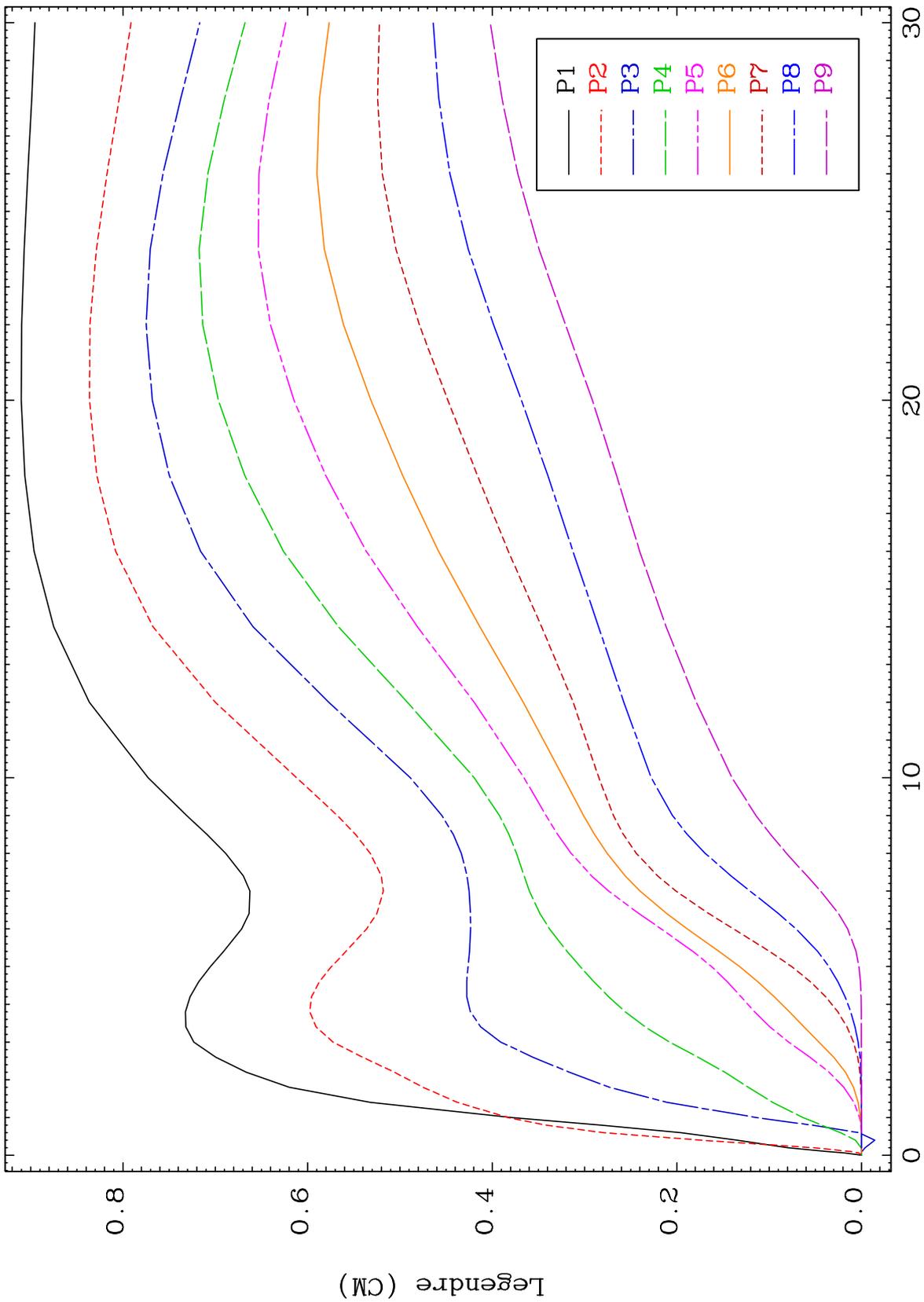




MAT 6173

Elastic Legendre Coefficients

61-Pm-155



16

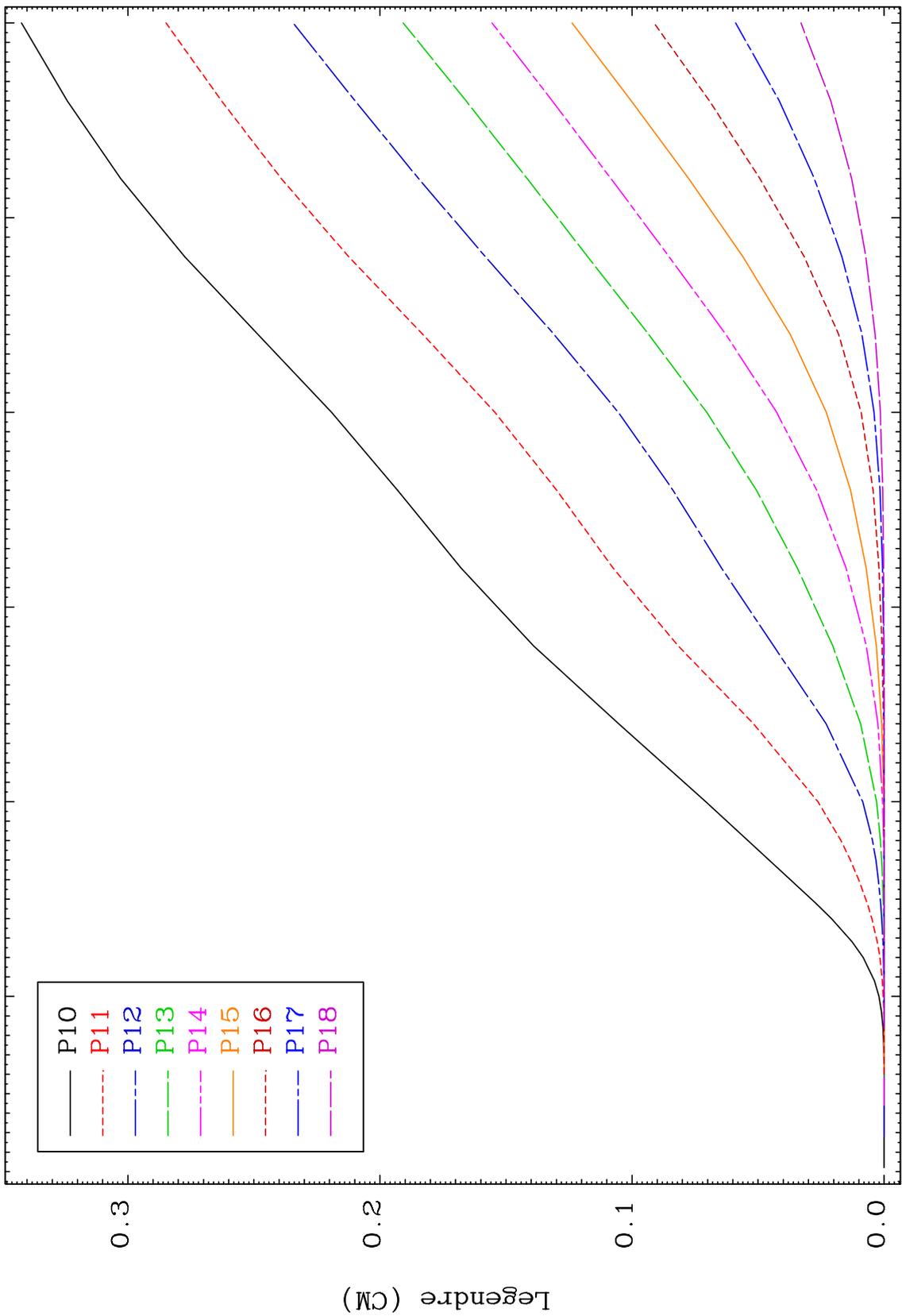
Incident Energy (MeV)

61-Pm-155

MAT 6173

Elastic Legendre Coefficients

61-Pm-155



17

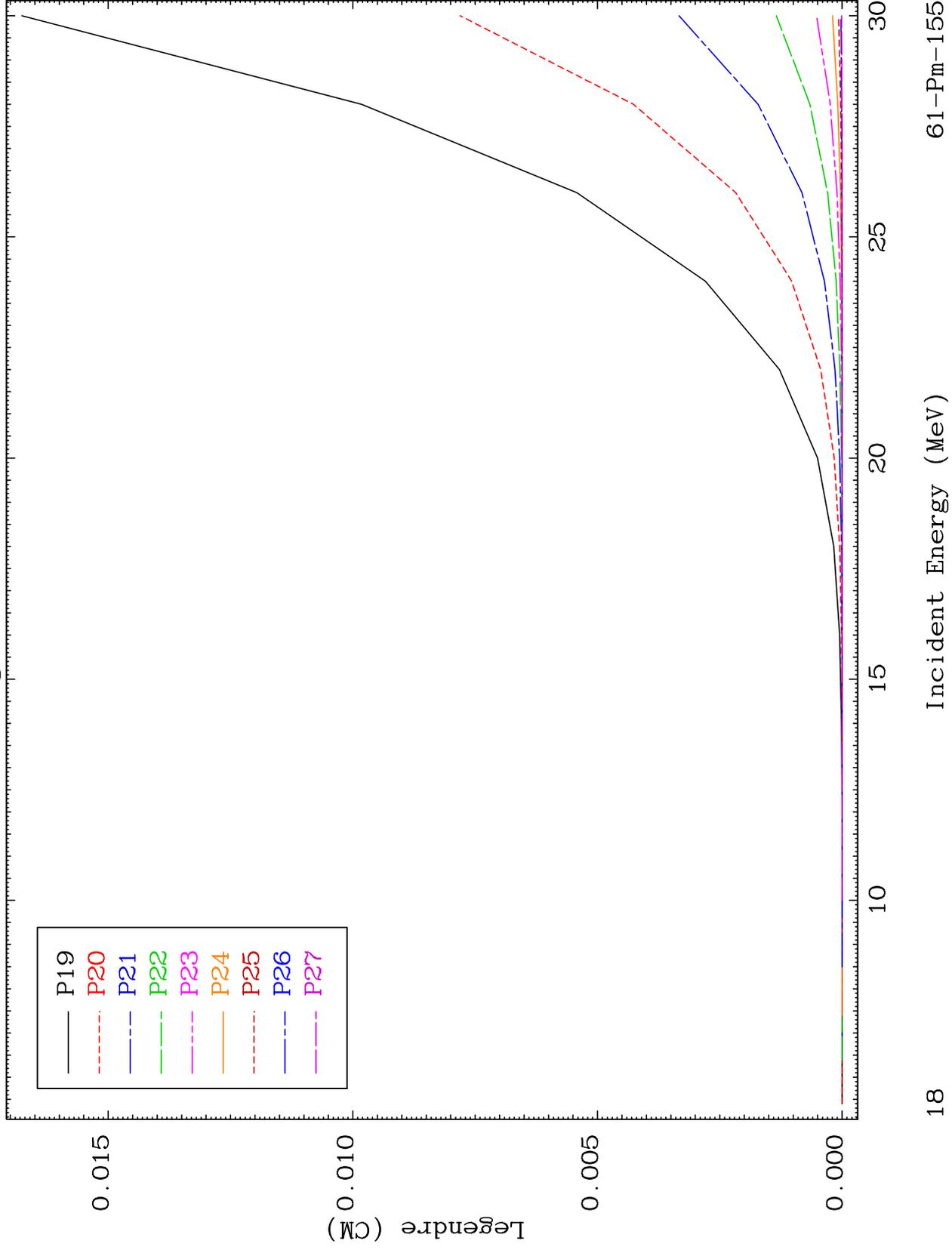
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Incident Energy (MeV)

MAT 6173

Elastic Legendre Coefficients

61-Pm-155



18

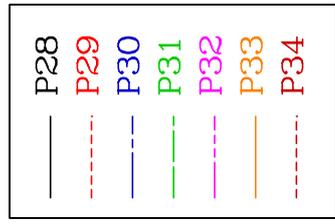
Incident Energy (MeV)

61-Pm-155

MAT 6173

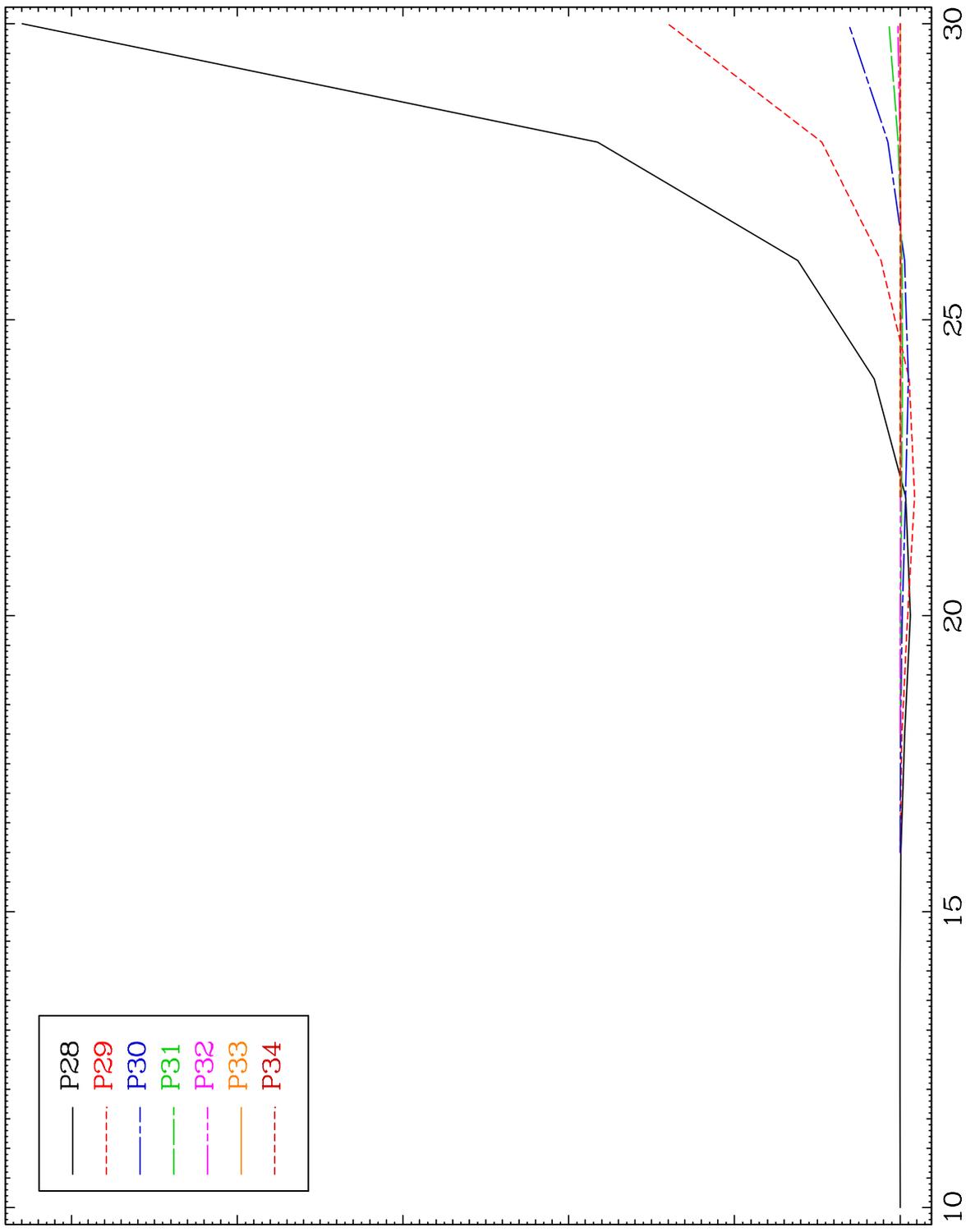
Elastic Legendre Coefficients

61-Pm-155



$\times 10^{-6.5}$

Legendre (CM)



10

15

20

25

30

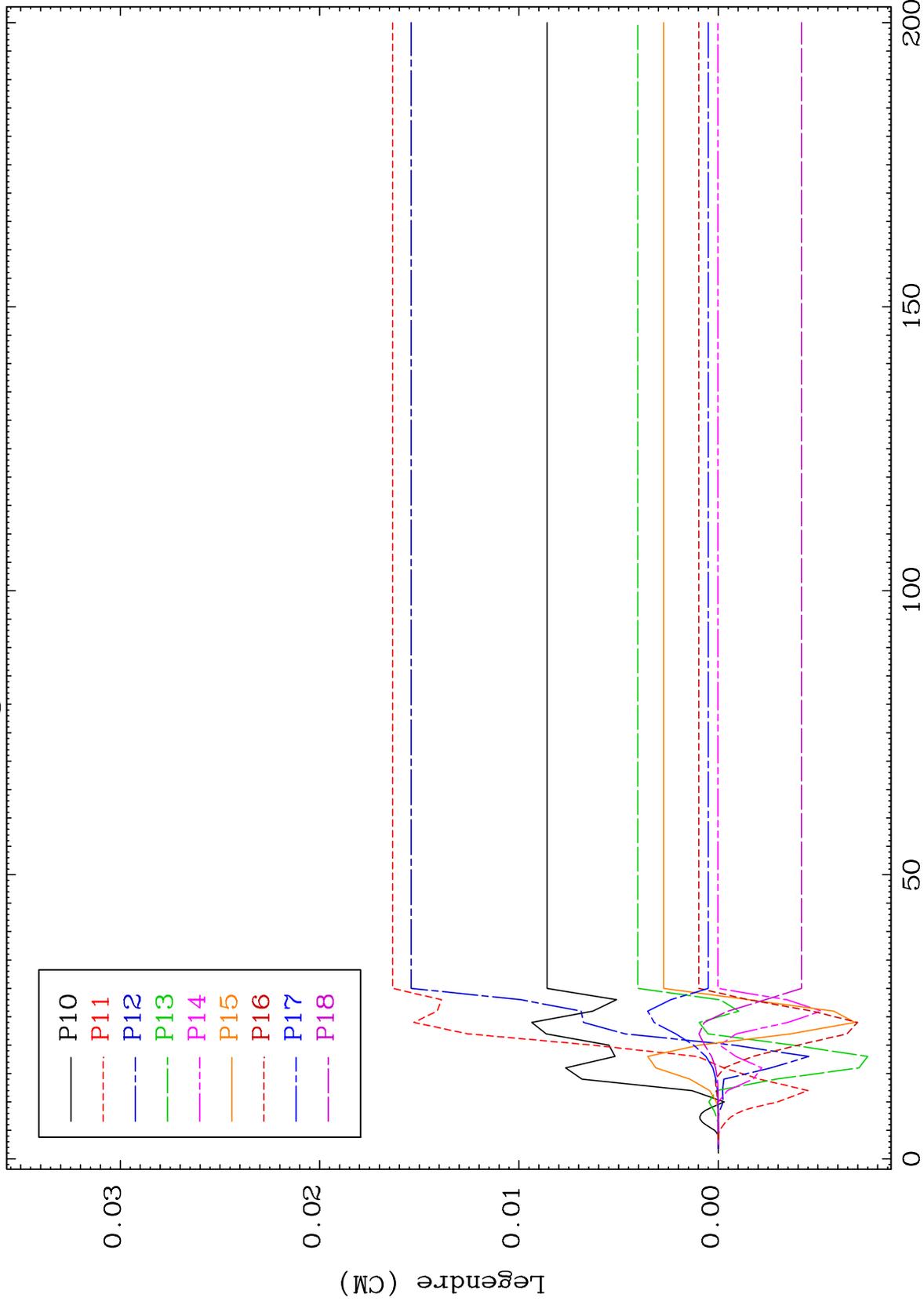
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 51 (n,n') Level
Legendre Coefficients

61-Pm-155



21

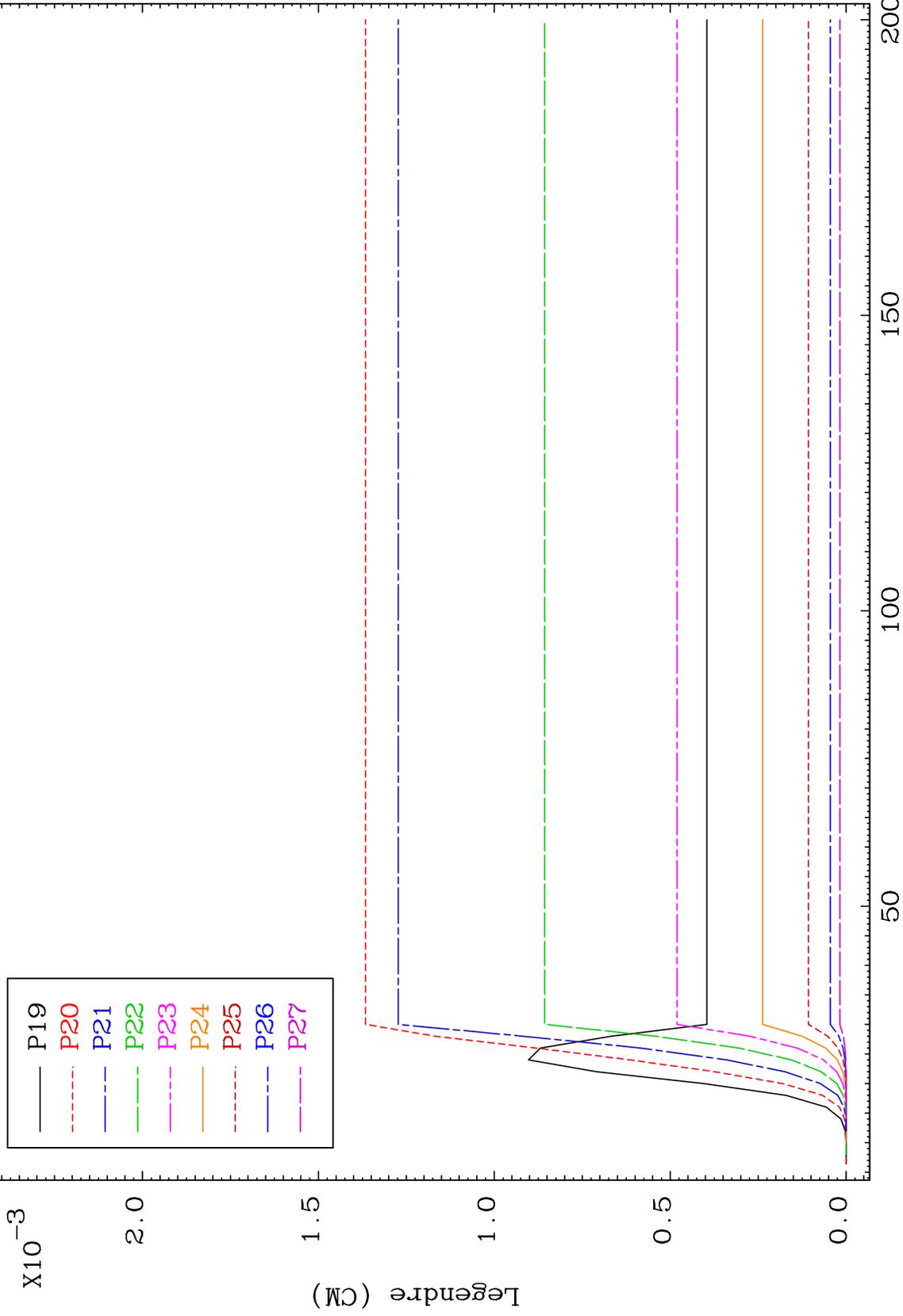
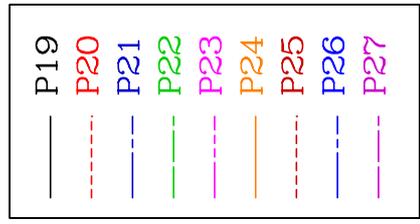
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 51 (n,n') Level
Legendre Coefficients

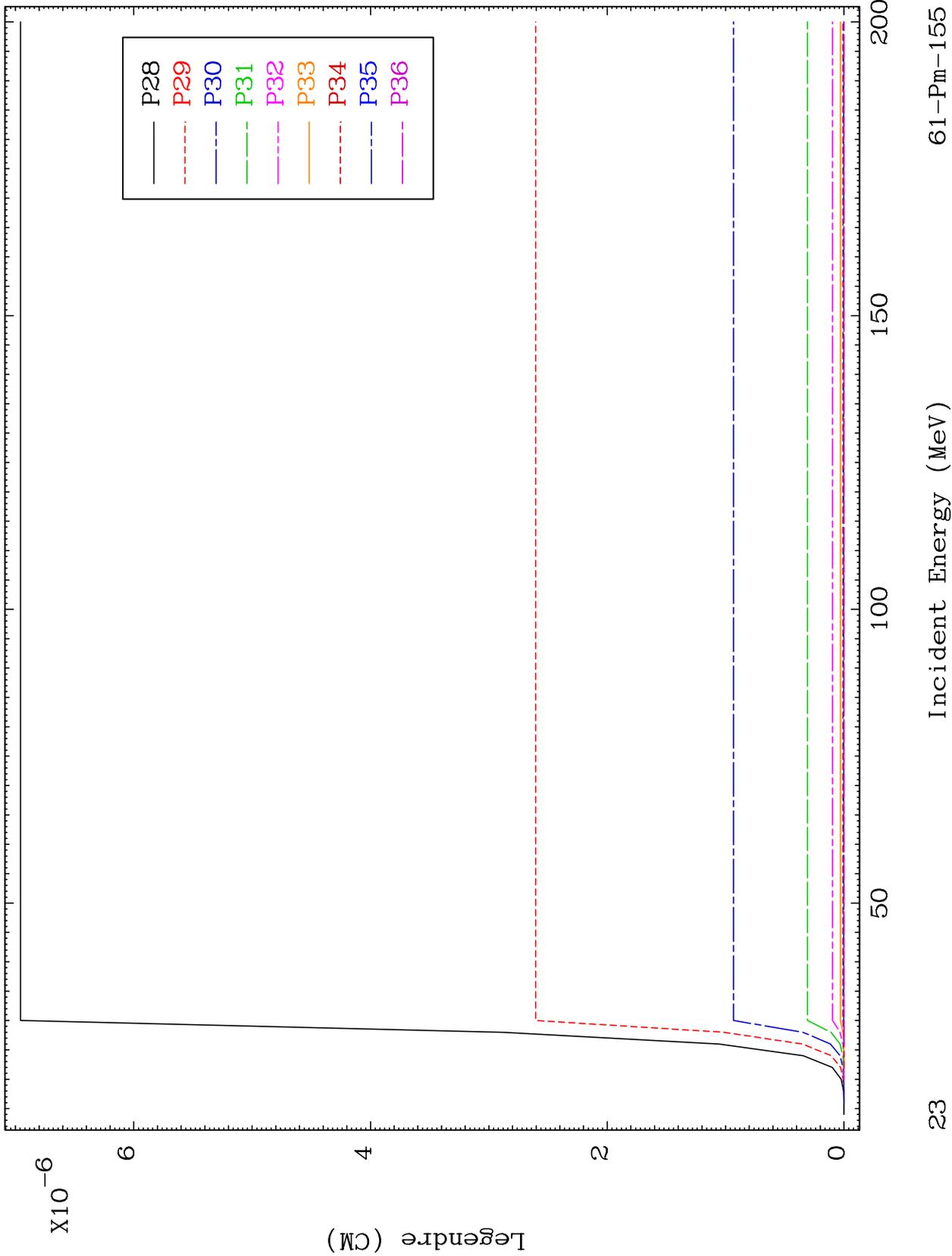
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MAT 6173

MT= 51 (n,n') Level
Legendre Coefficients

61-Pm-155



23

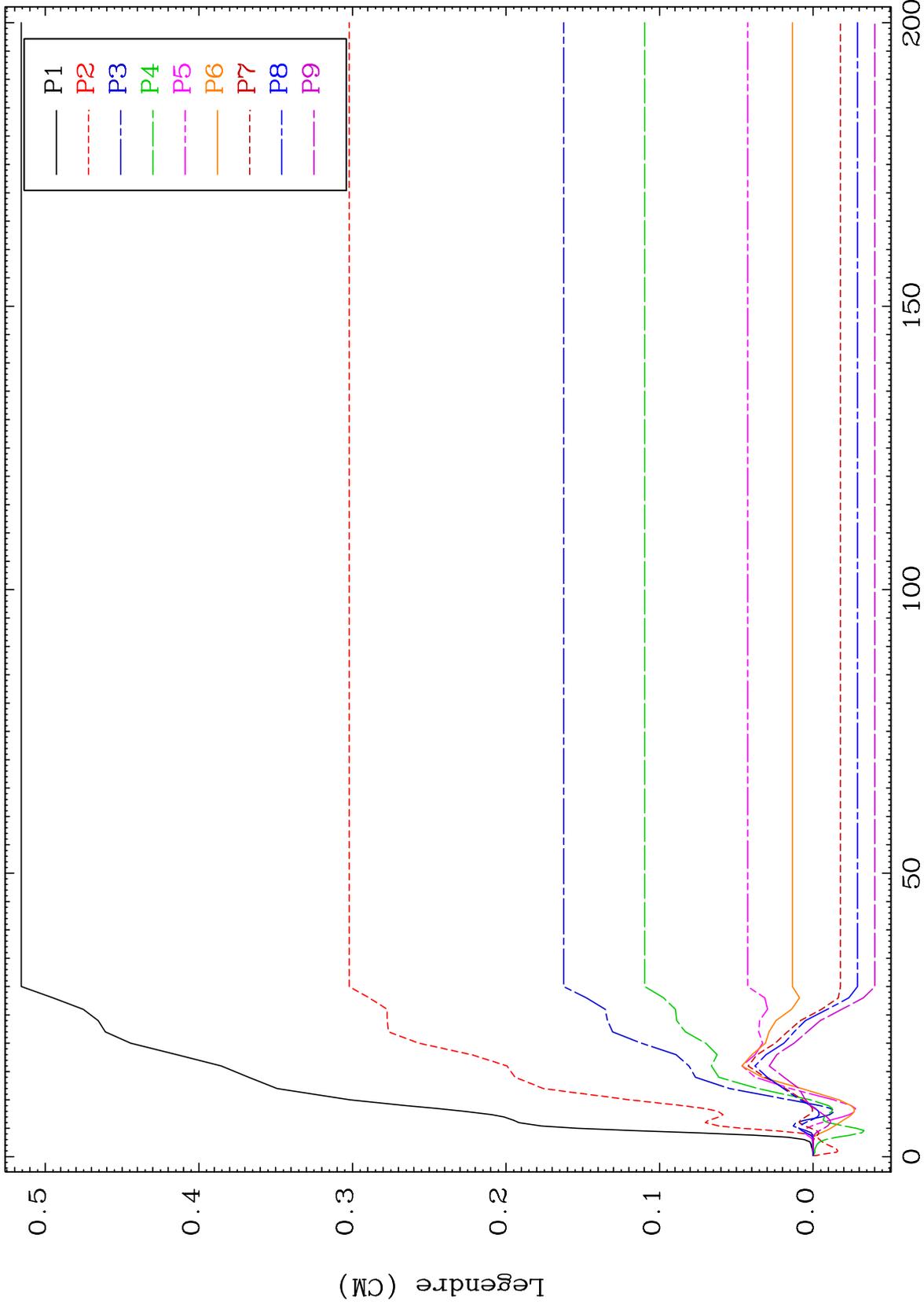
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 52 (n,n') Level
Legendre Coefficients

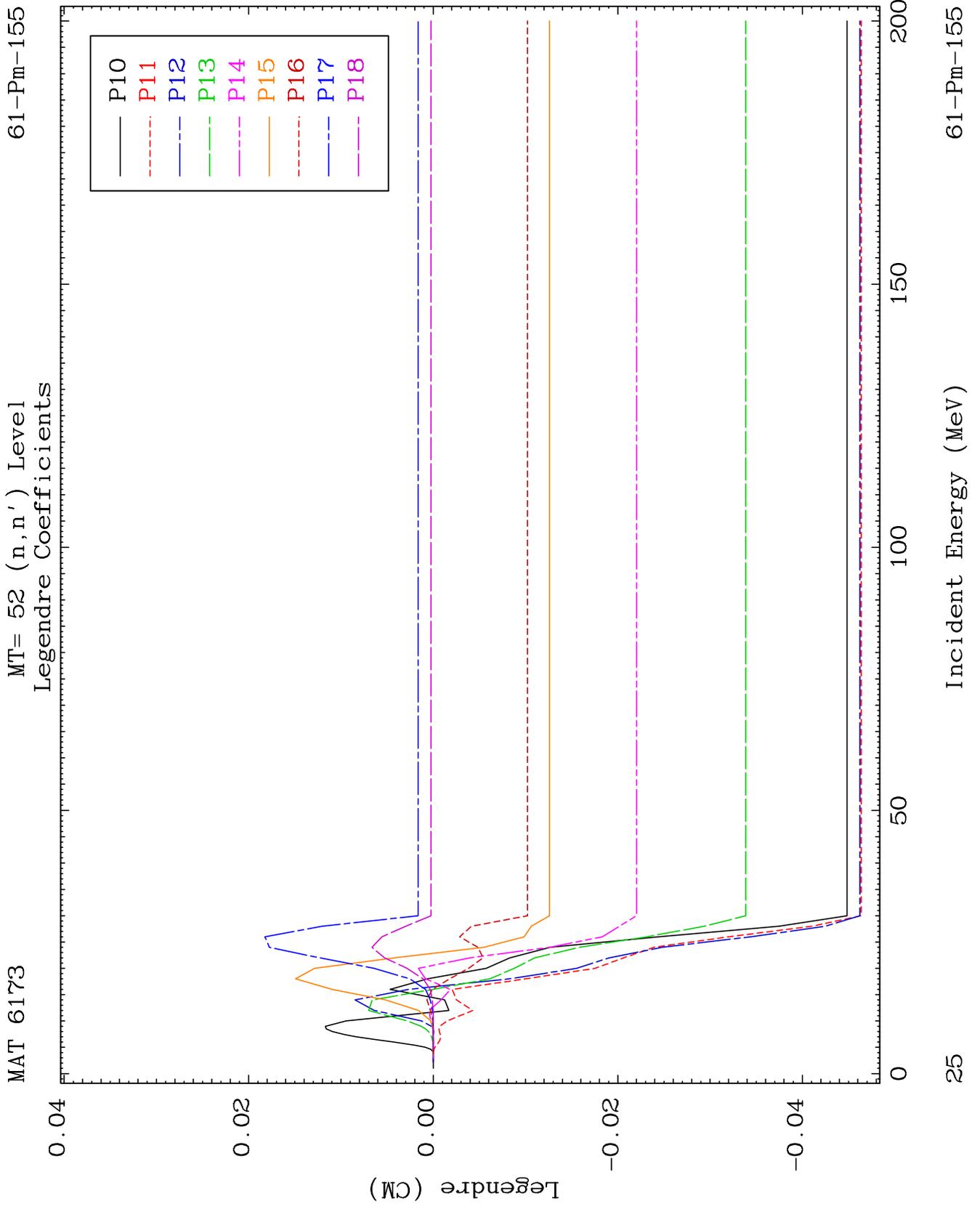
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24

Incident Energy (MeV)

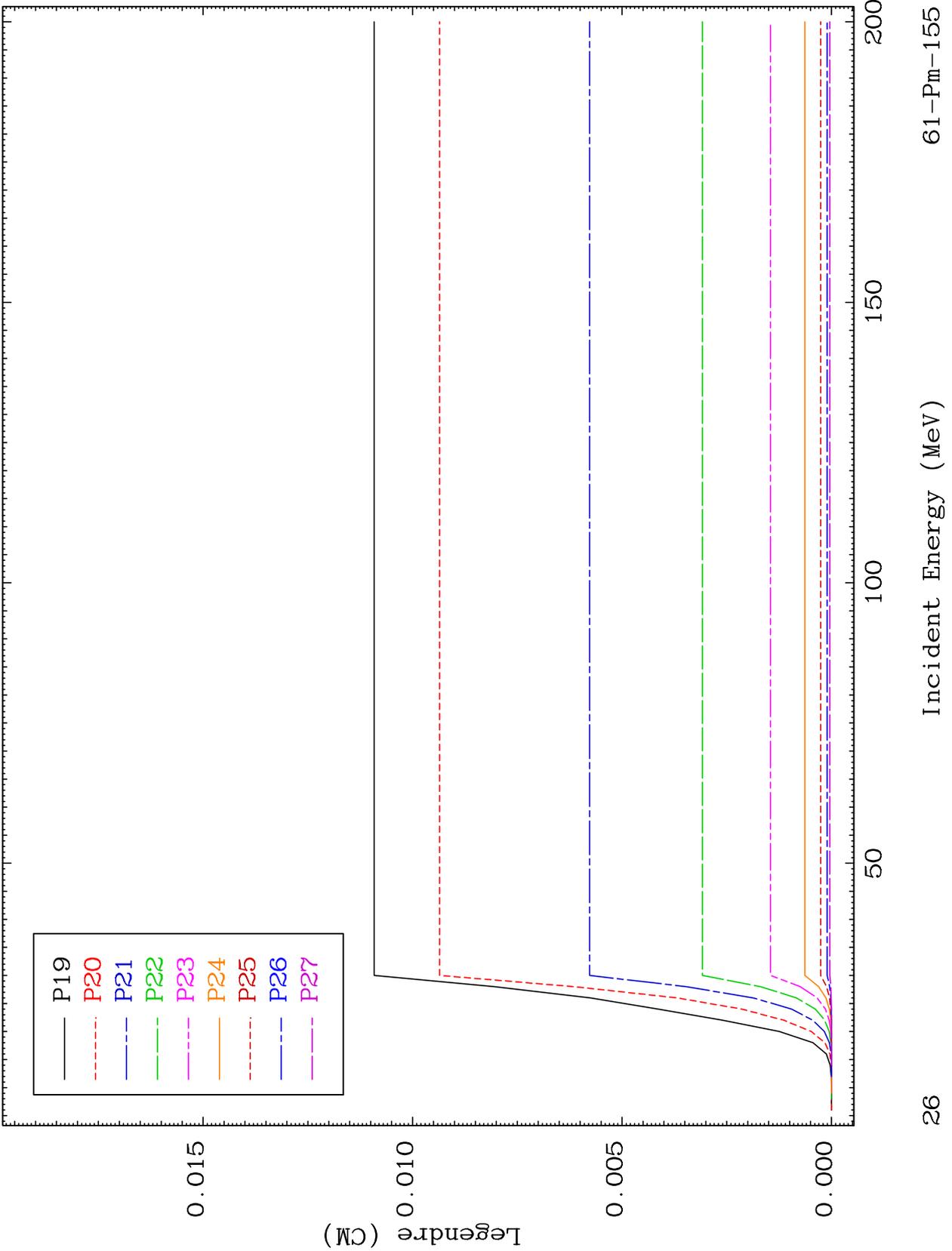
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MAT 6173

MT= 52 (n,n') Level
Legendre Coefficients

61-Pm-155



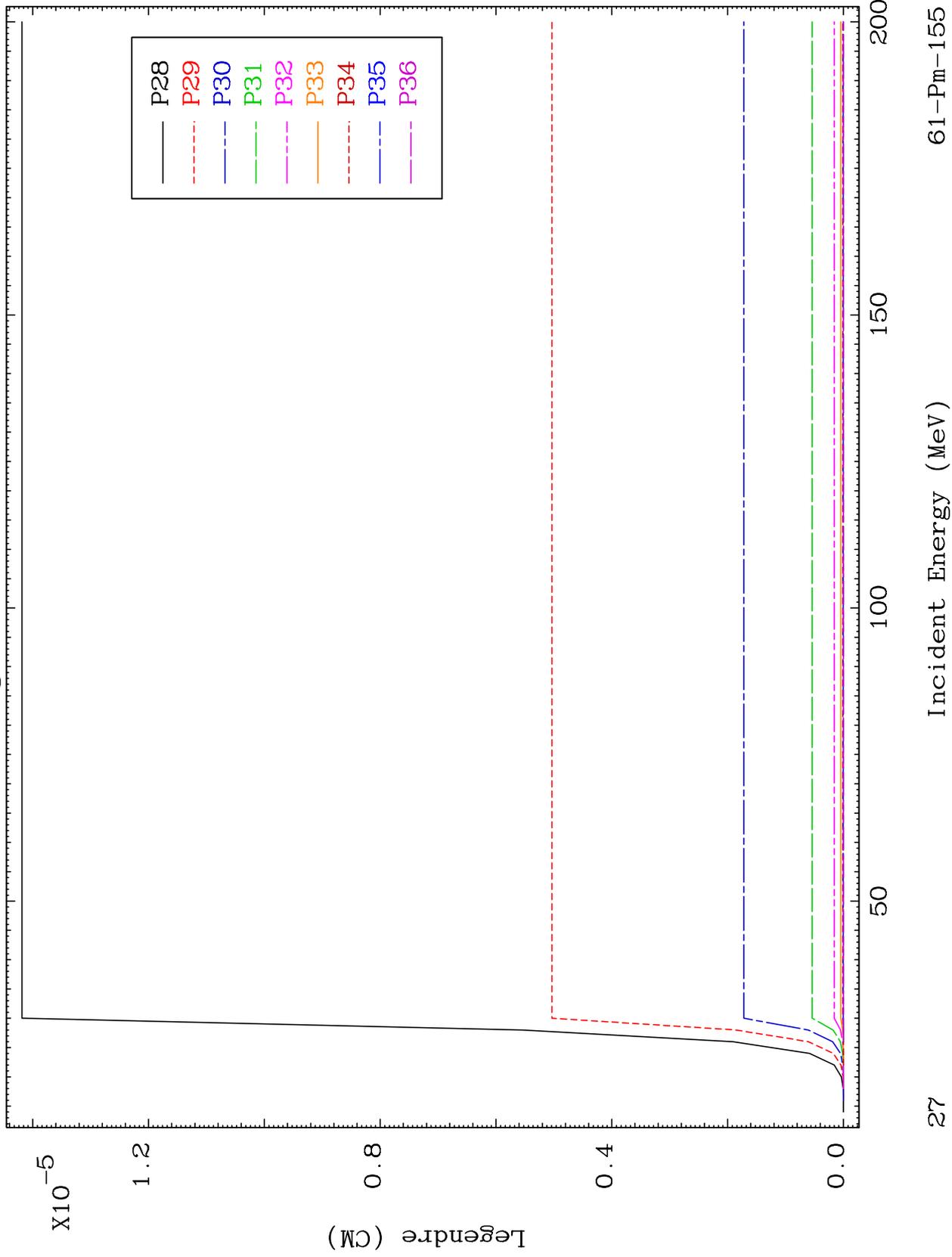
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61-Pm-155

MAT 6173

MT= 52 (n,n') Level
Legendre Coefficients

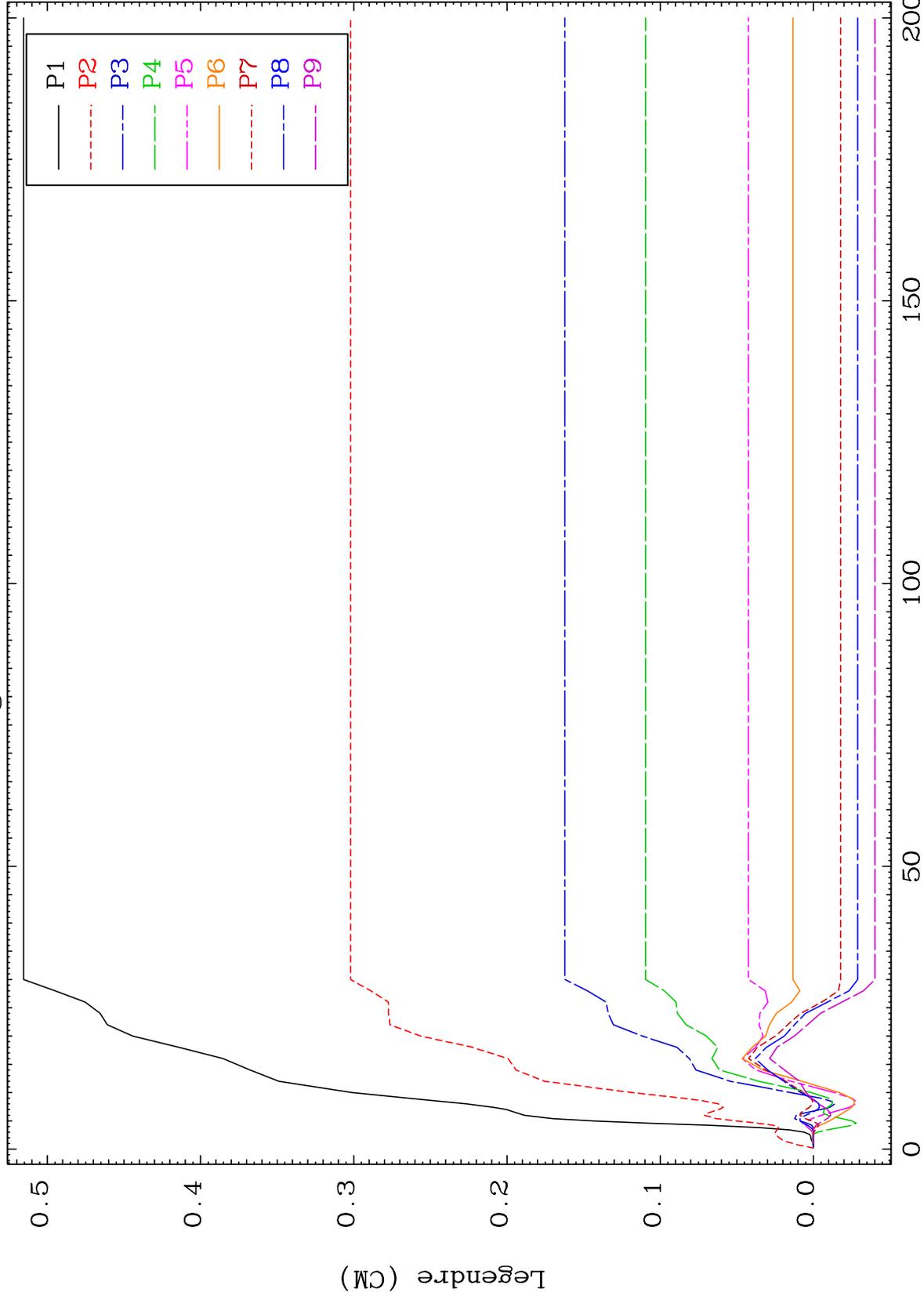
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MAT 6173

MT= 53 (n,n') Level
Legendre Coefficients

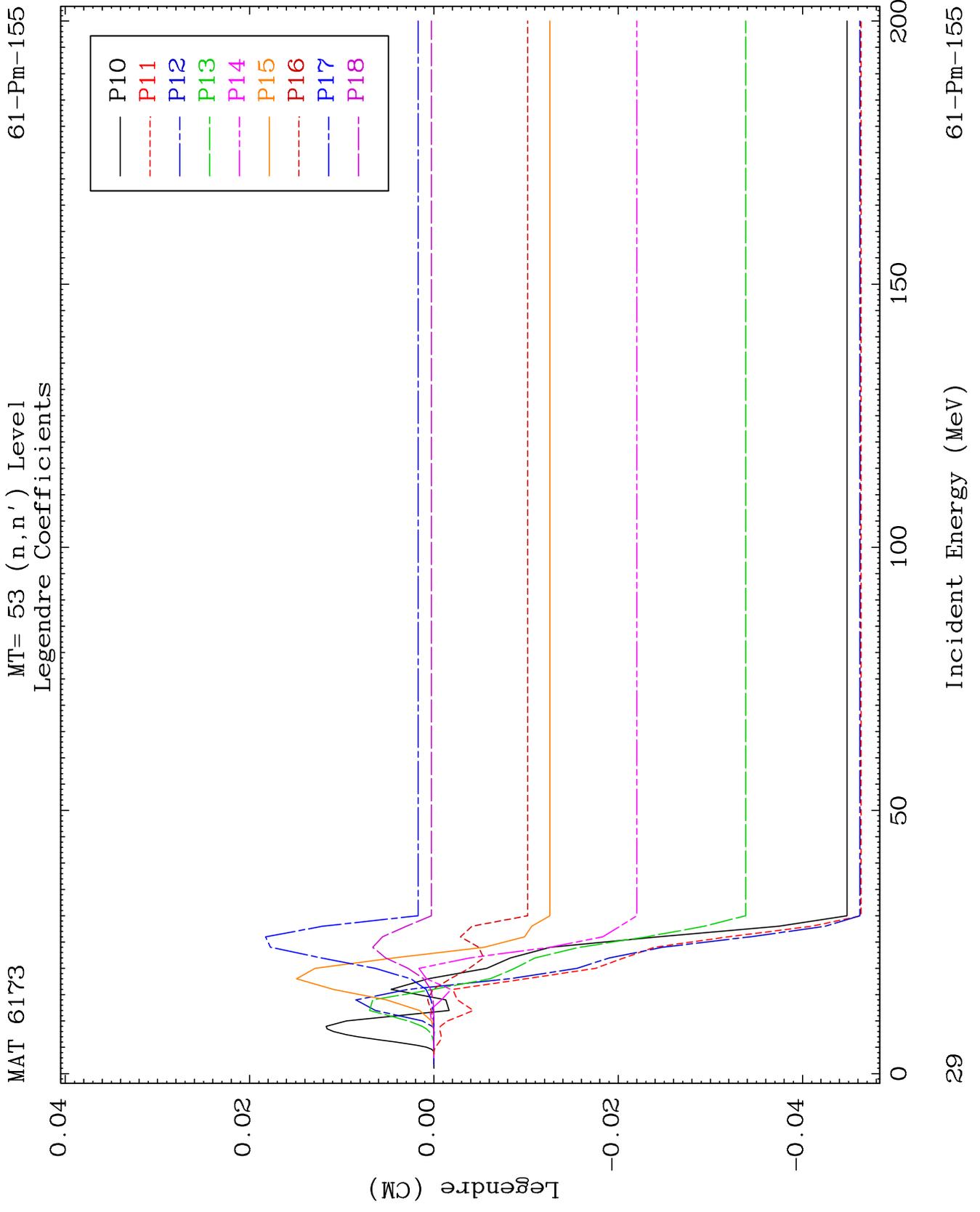
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28

Incident Energy (MeV)

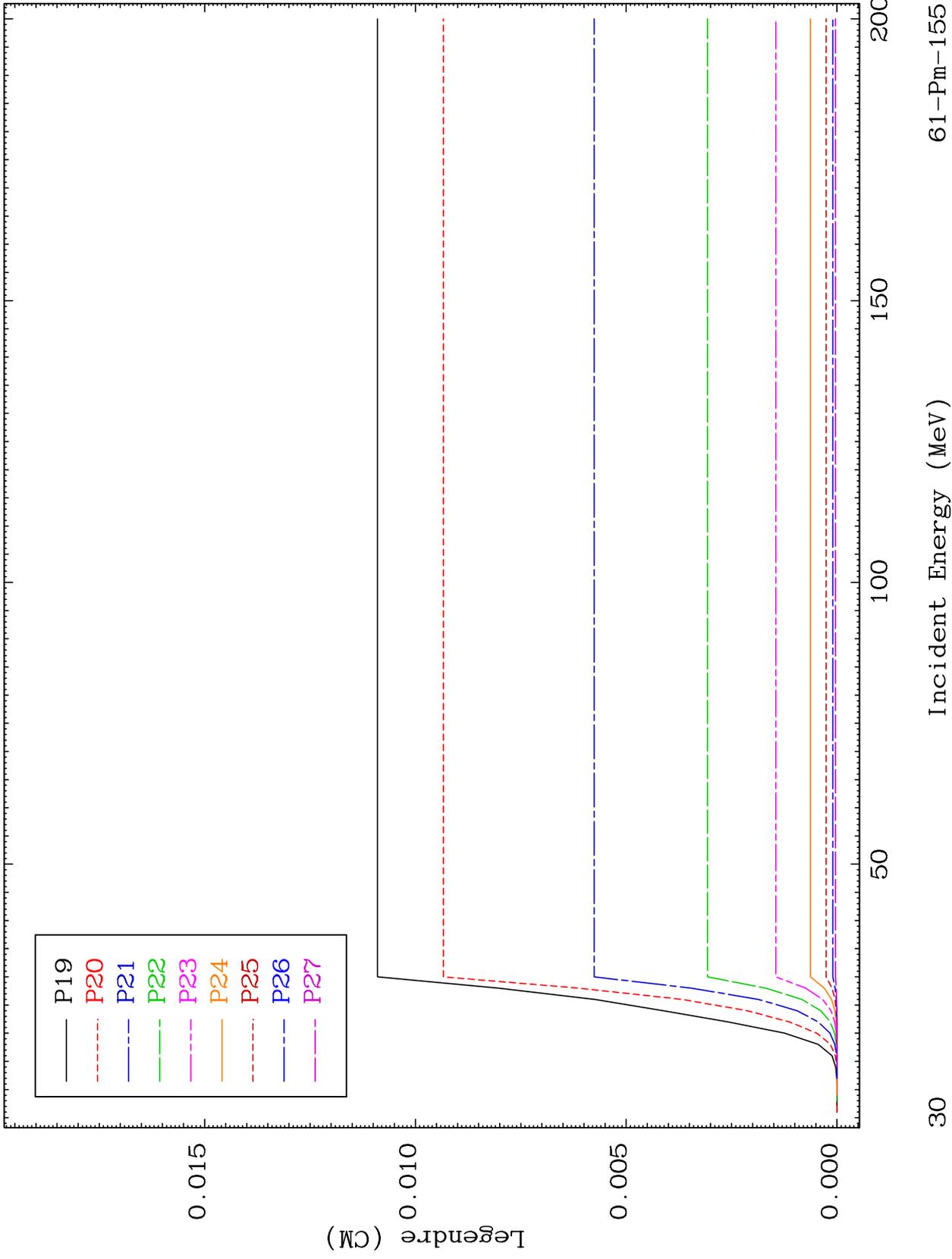
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MAT 6173

MT= 53 (n,n') Level
Legendre Coefficients

61-Pm-155



61-Pm-155

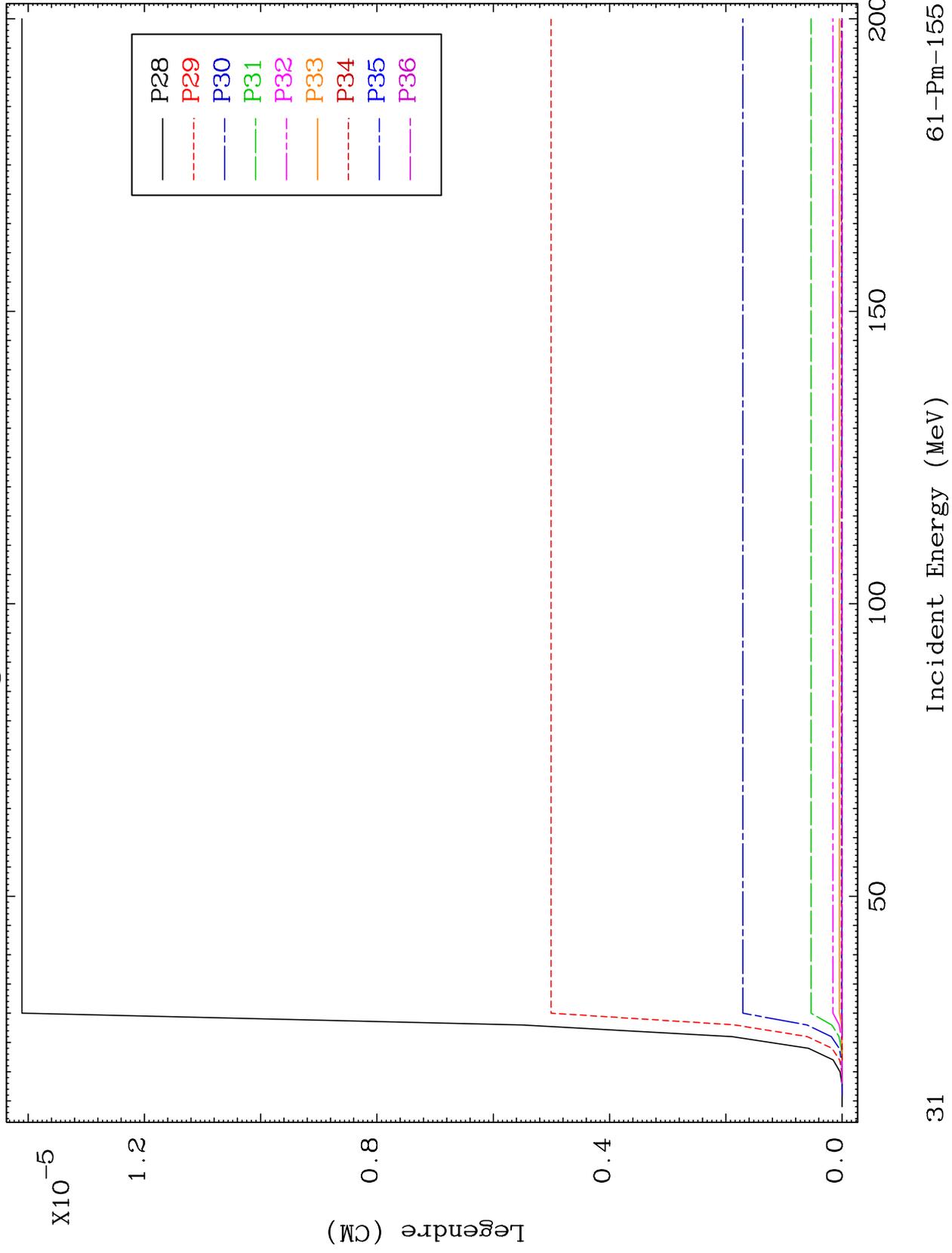
Incident Energy (MeV)

30

MAT 6173

MT= 53 (n,n') Level
Legendre Coefficients

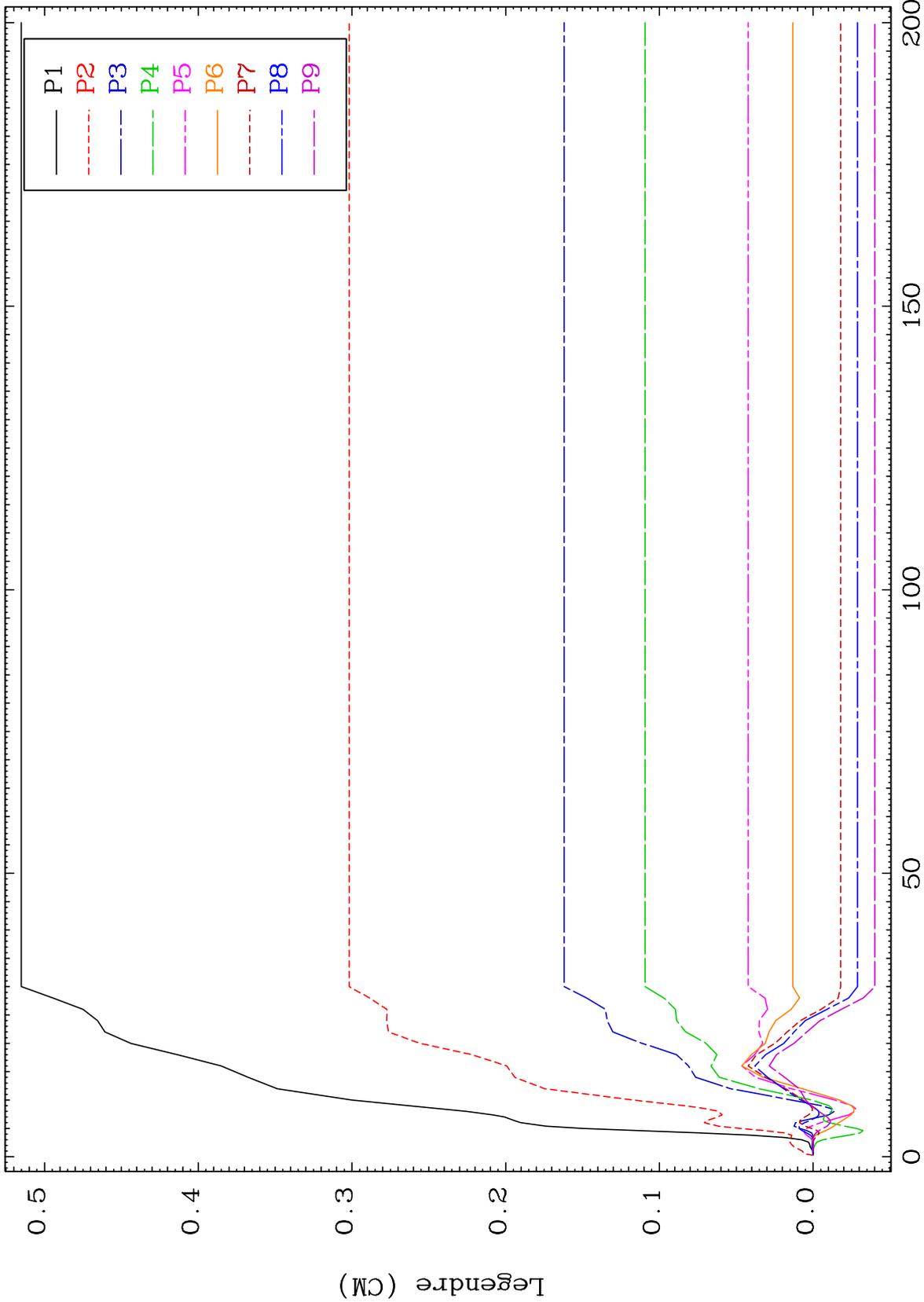
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MAT 6173

MT= 54 (n,n') Level
Legendre Coefficients

61-Pm-155



32

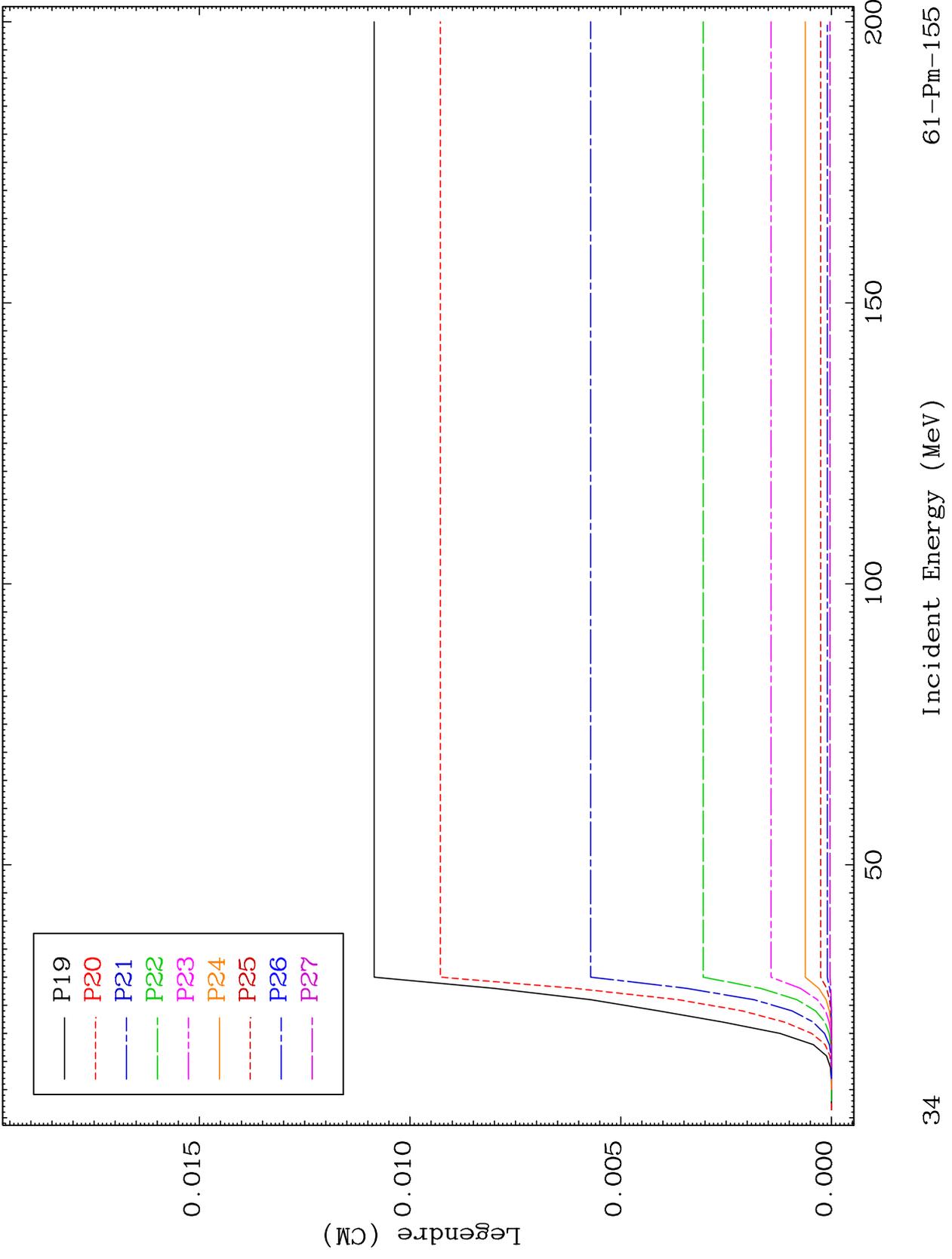
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 54 (n,n') Level
Legendre Coefficients

61-Pm-155



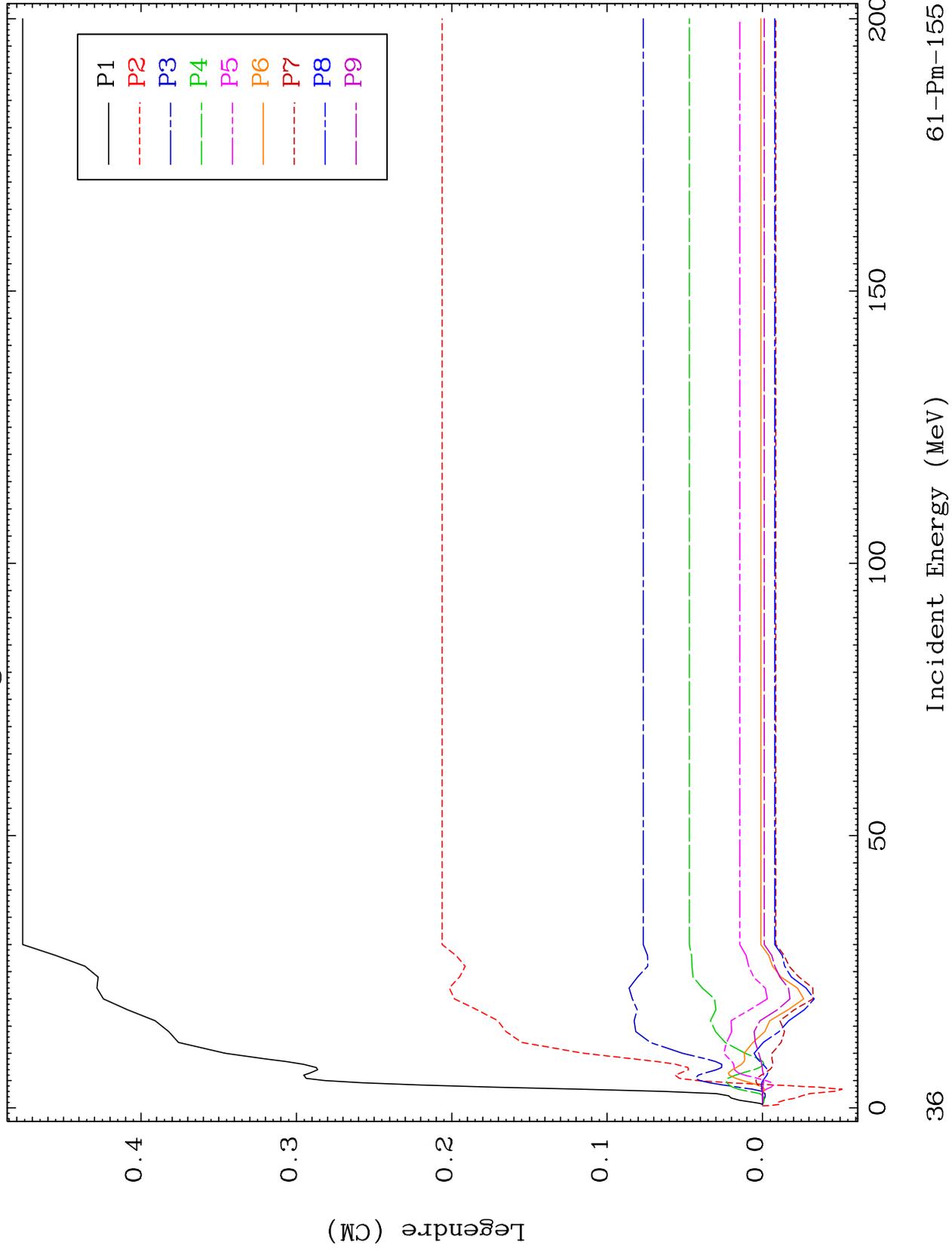
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61-Pm-155

MAT 6173

MT= 55 (n,n') Level
Legendre Coefficients

61-Pm-155



61-Pm-155

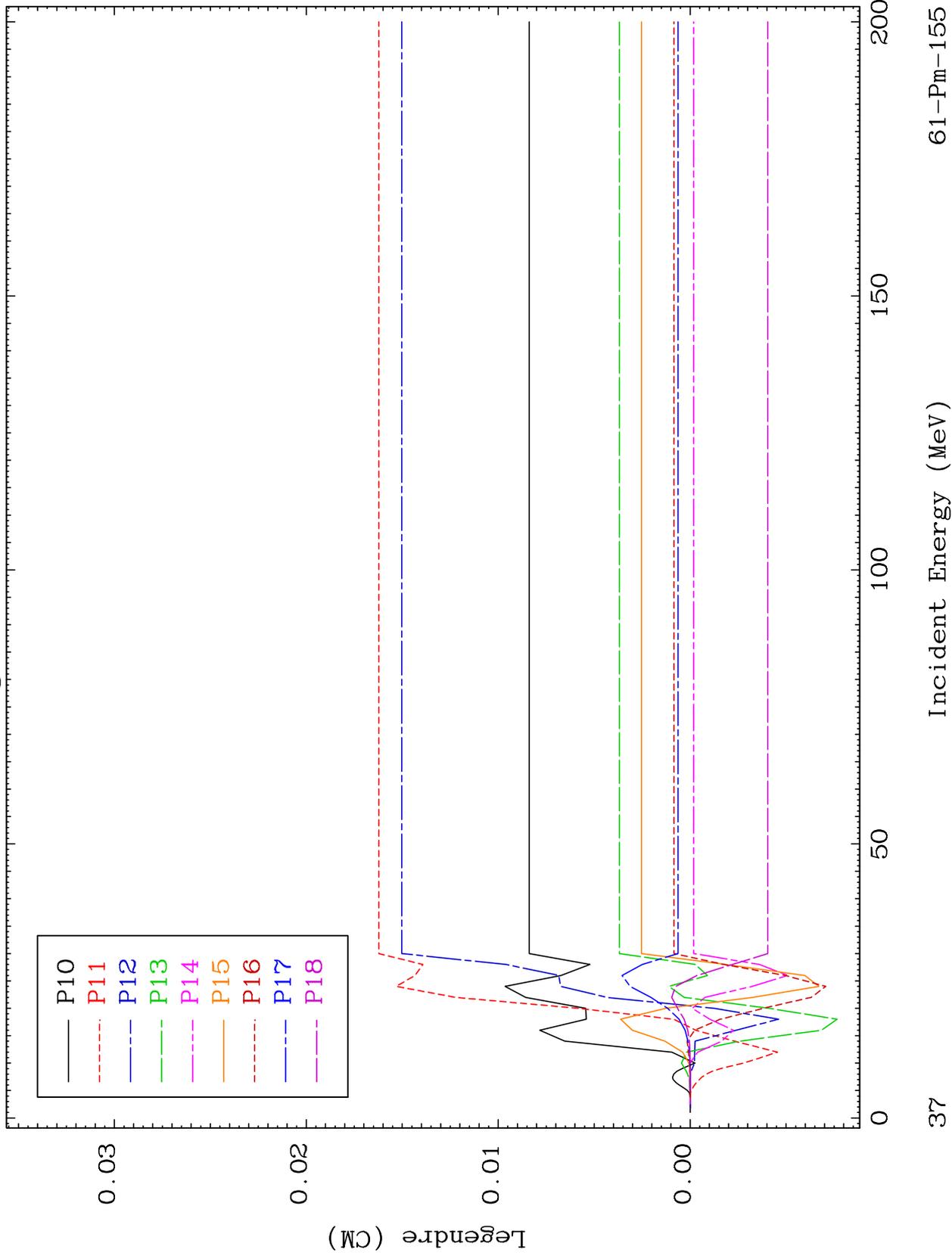
Incident Energy (MeV)

36

MAT 6173

MT= 55 (n,n') Level
Legendre Coefficients

61-Pm-155



37

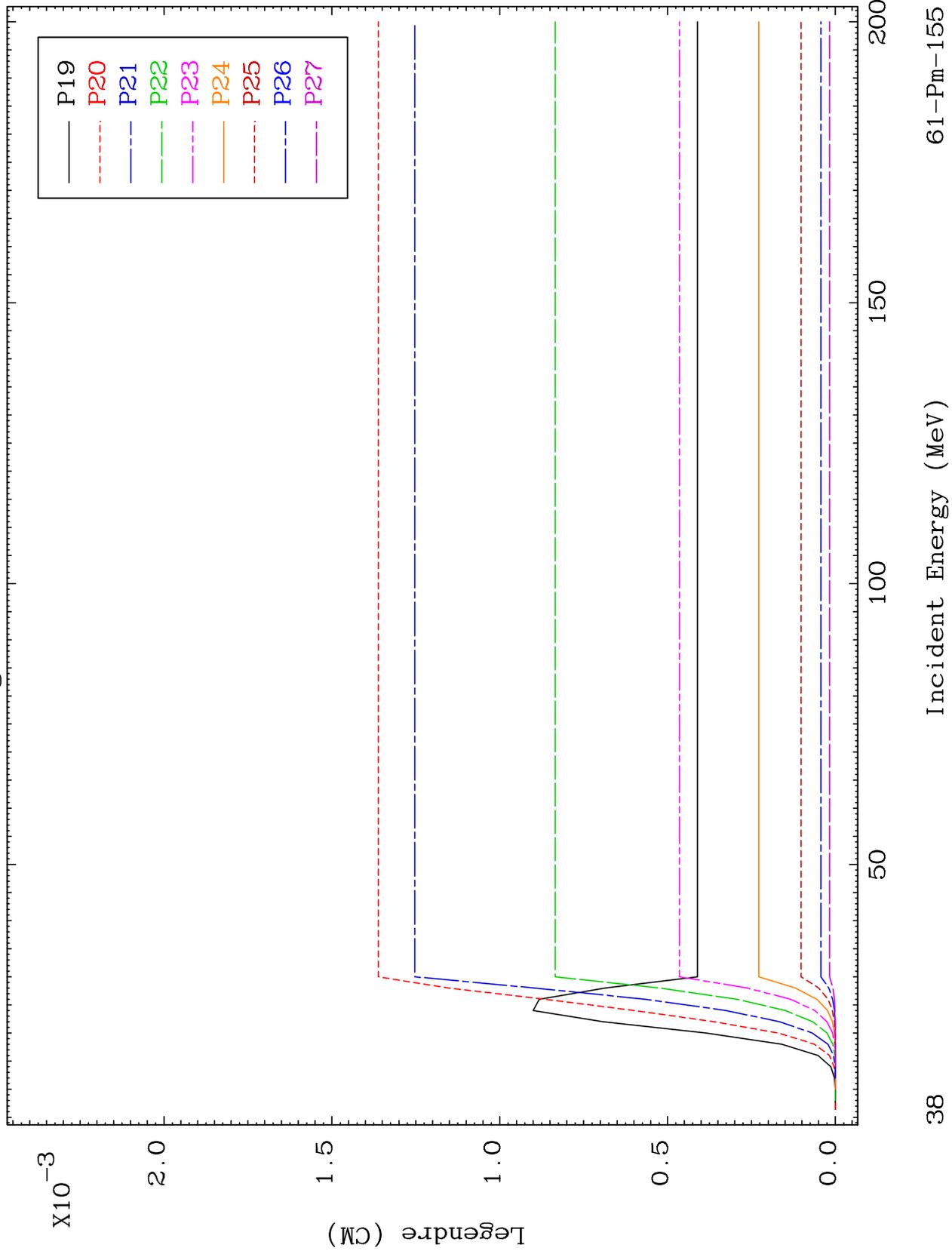
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 55 (n,n') Level
Legendre Coefficients

61-Pm-155



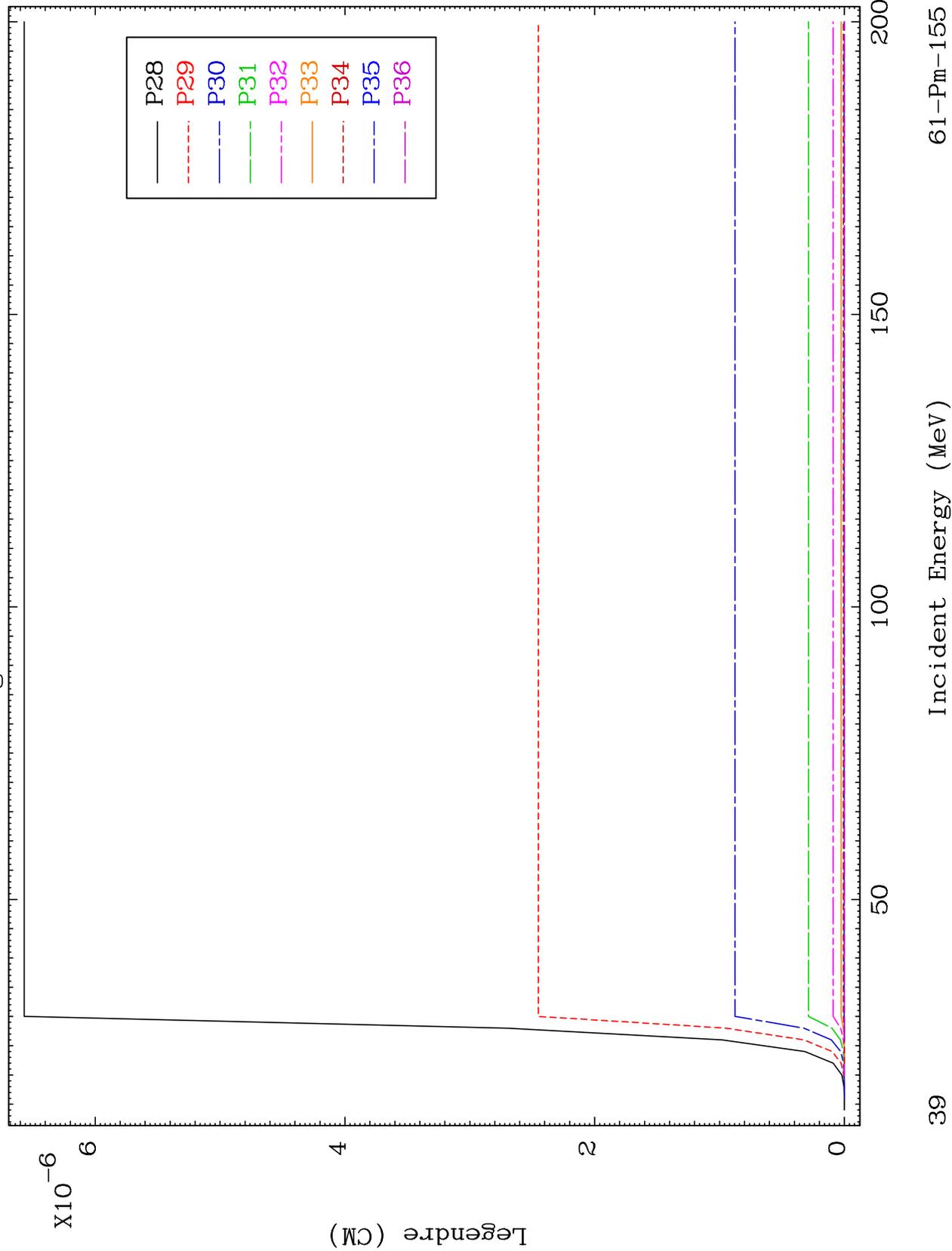
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61-Pm-155

MAT 6173

MT= 55 (n,n') Level
Legendre Coefficients

61-Pm-155



39

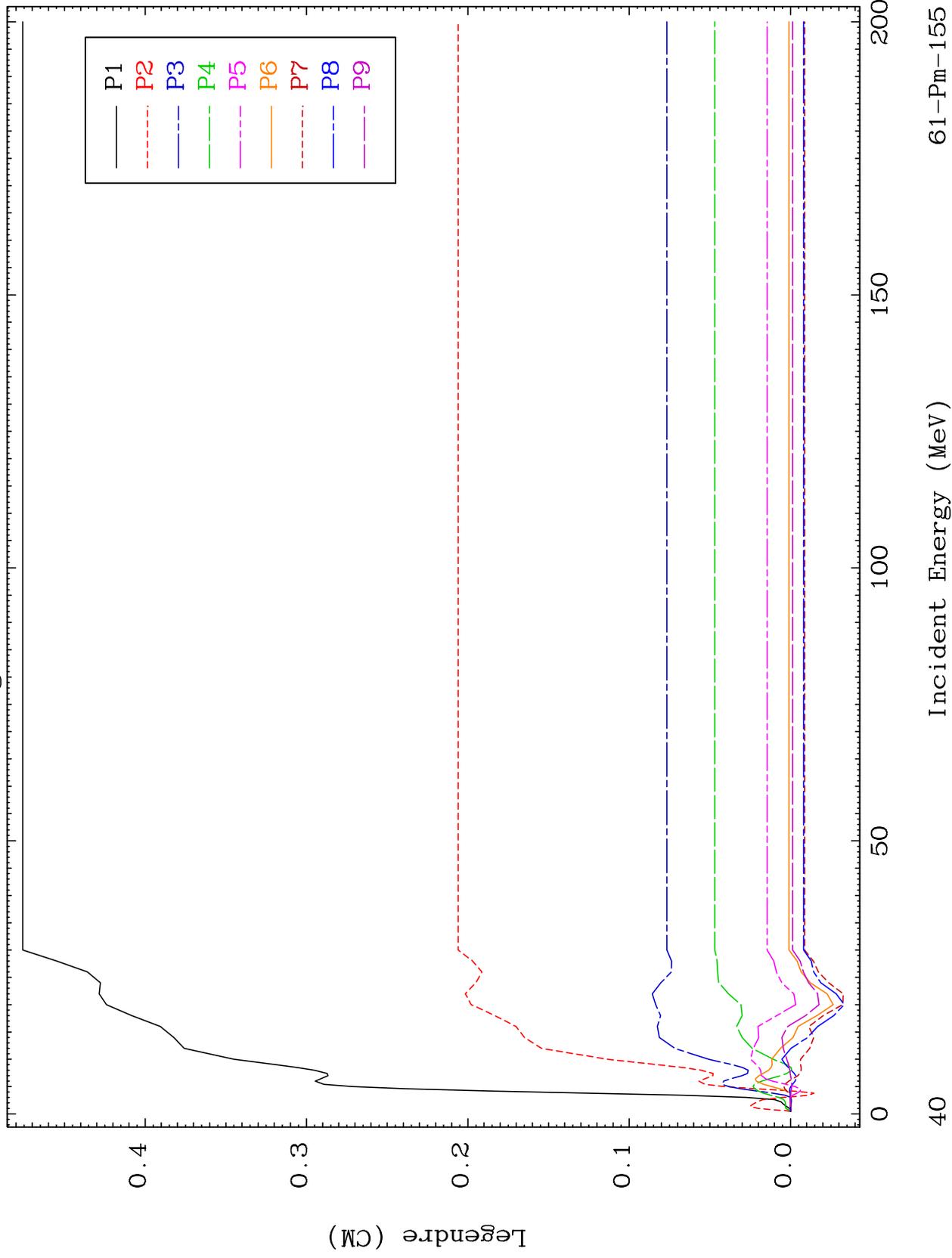
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 56 (n,n') Level
Legendre Coefficients

61-Pm-155

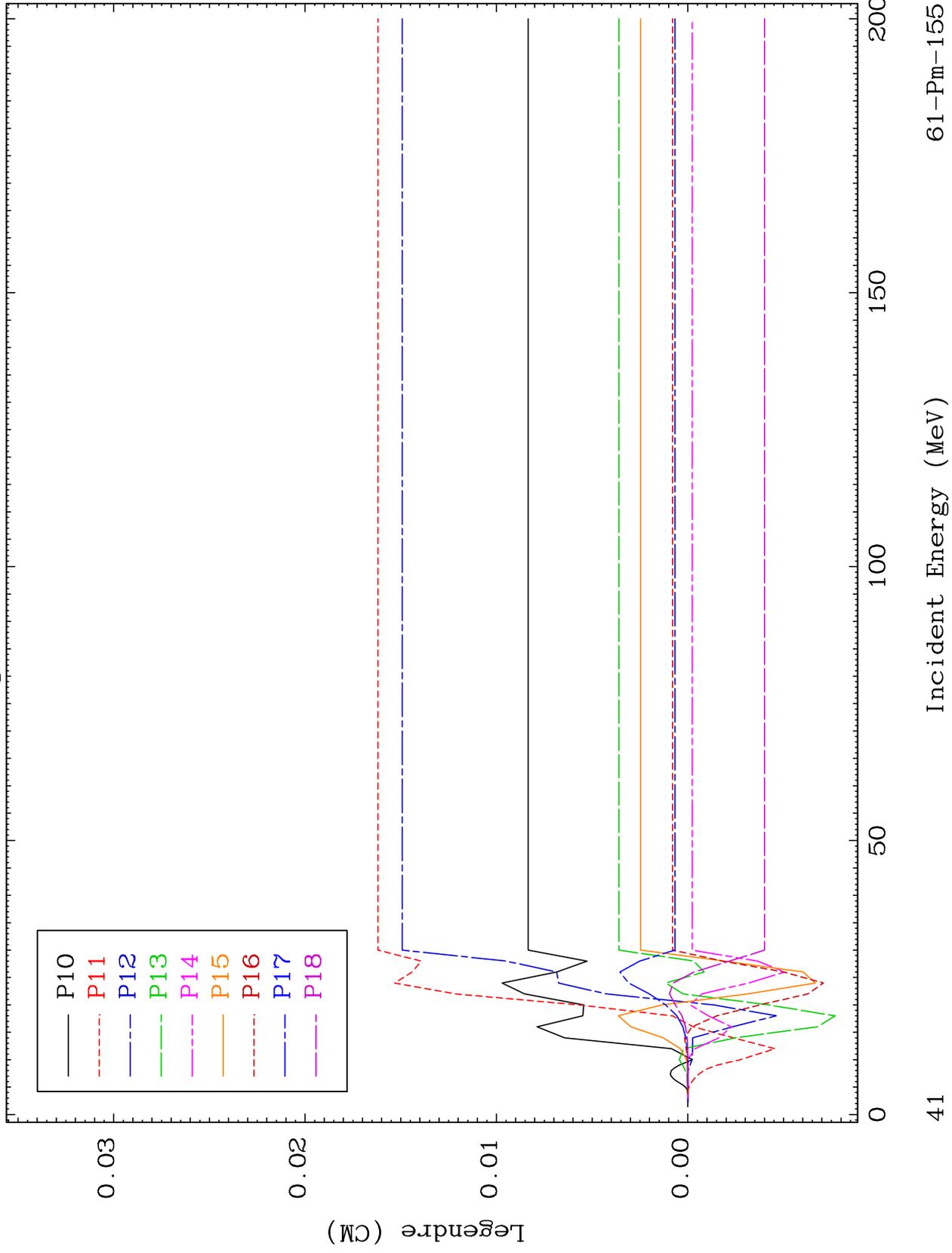


61-Pm-155

MAT 6173

MT= 56 (n,n') Level
Legendre Coefficients

61-Pm-155



41

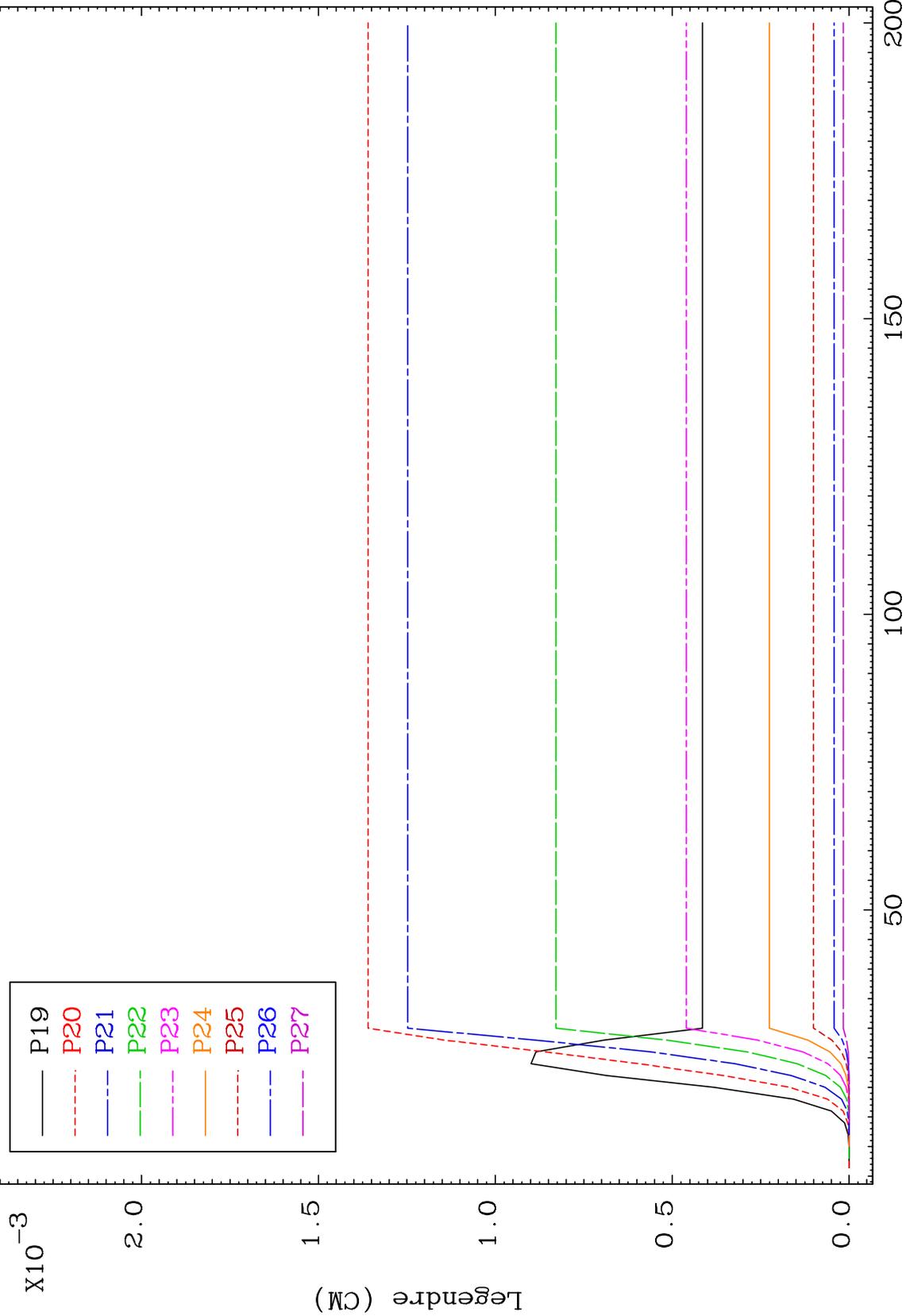
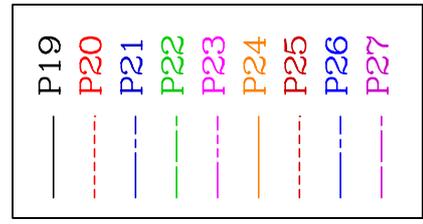
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 56 (n,n') Level
Legendre Coefficients

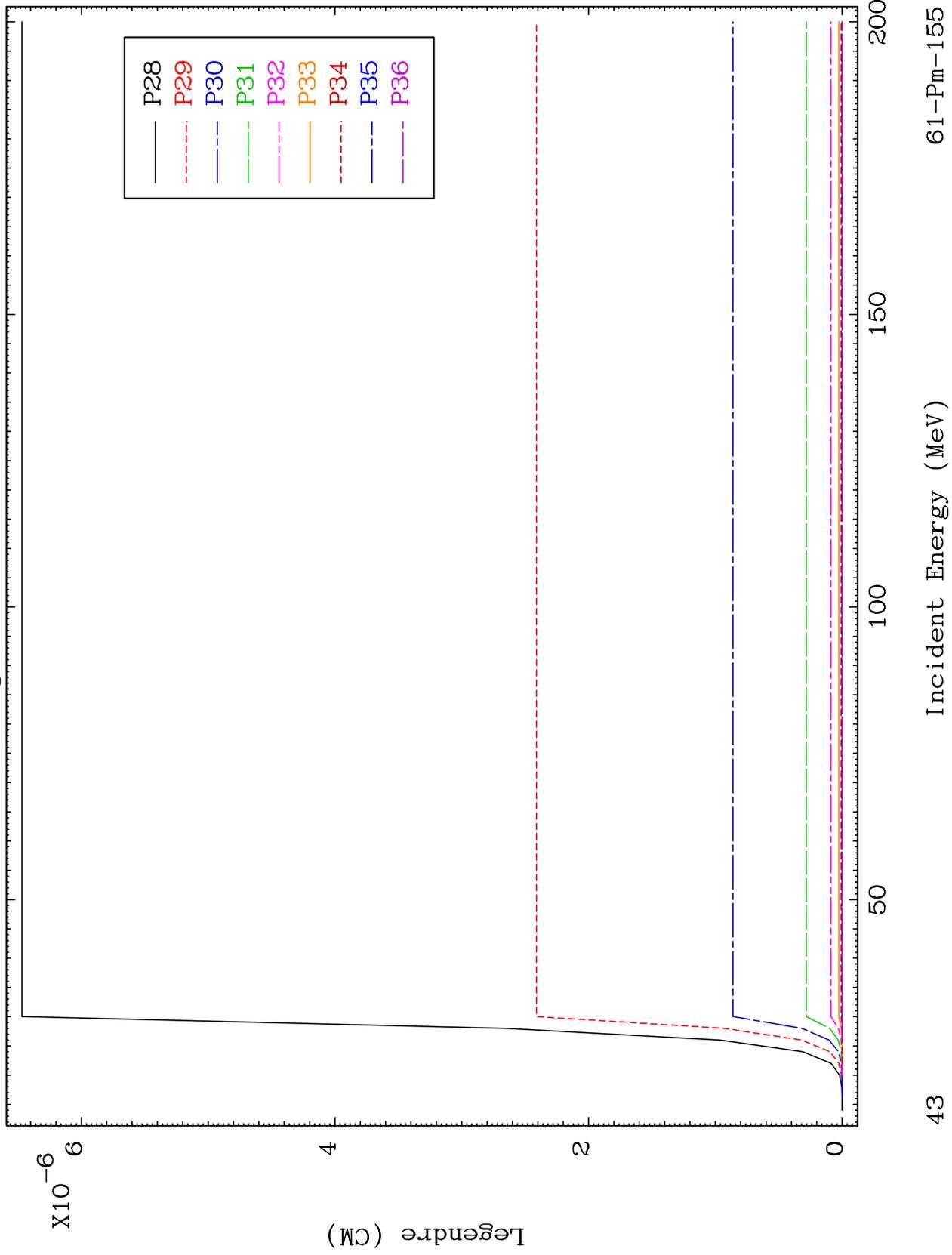
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MAT 6173

MT= 56 (n,n') Level
Legendre Coefficients

61-Pm-155



43

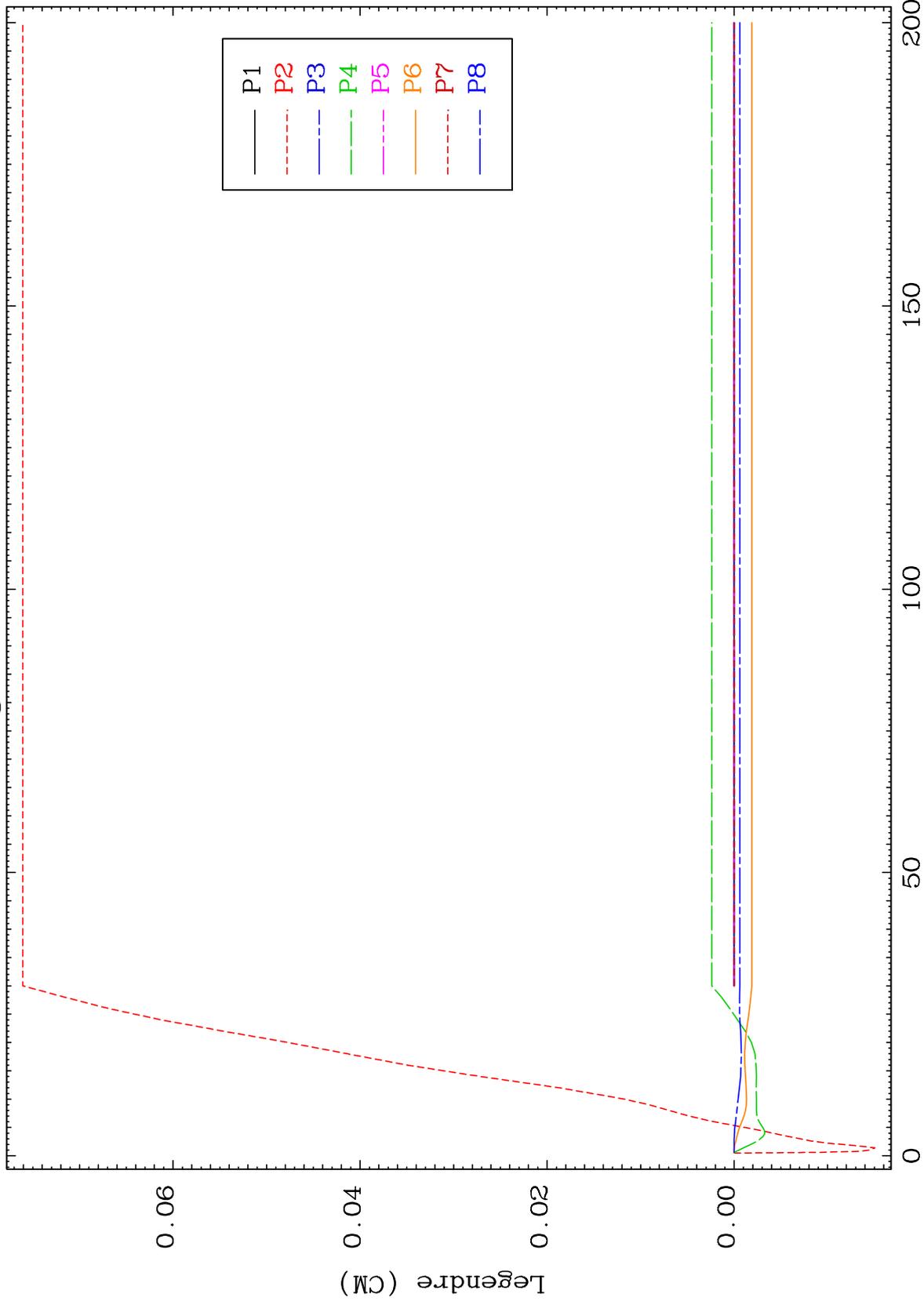
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 57 (n,n') Level
Legendre Coefficients

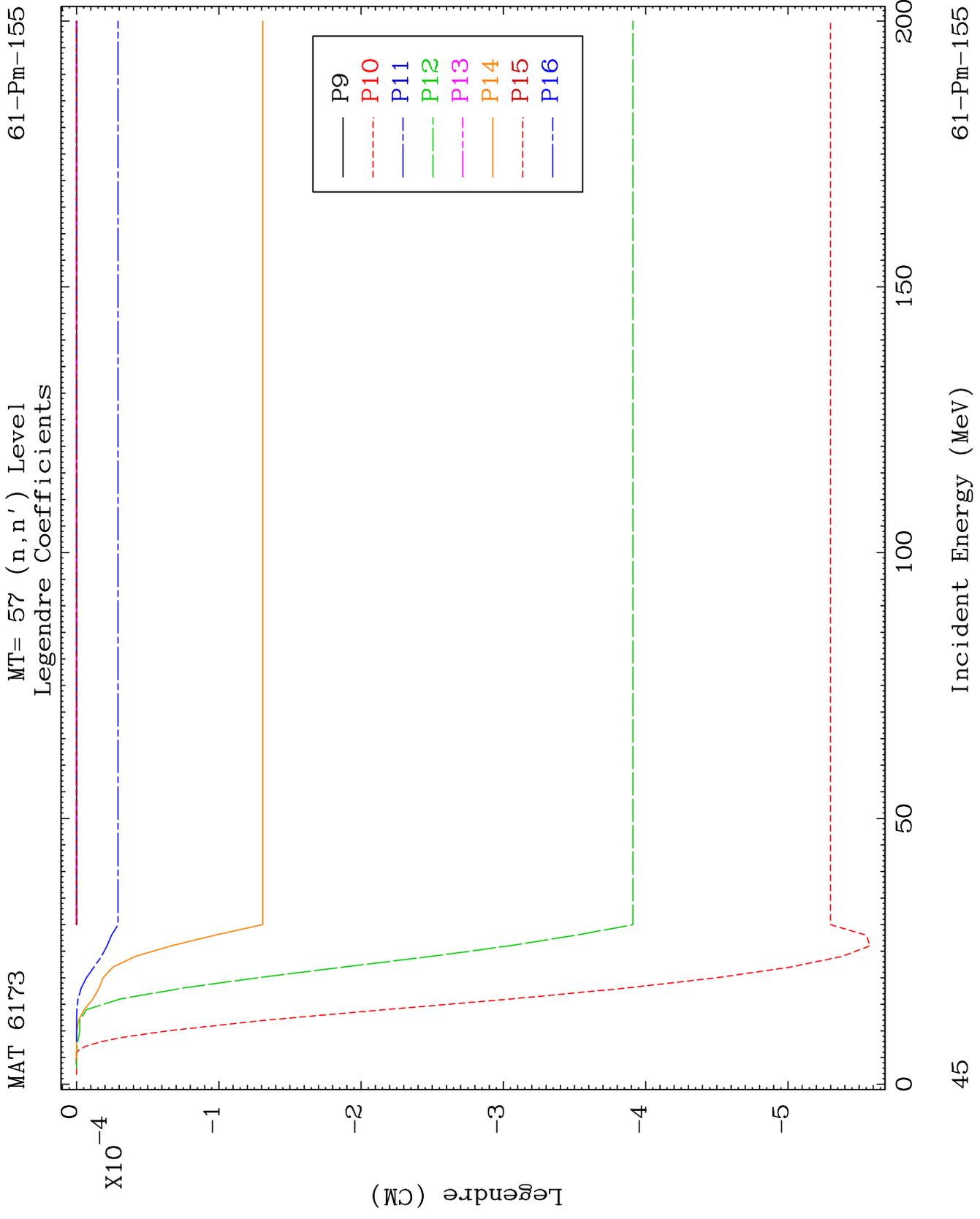
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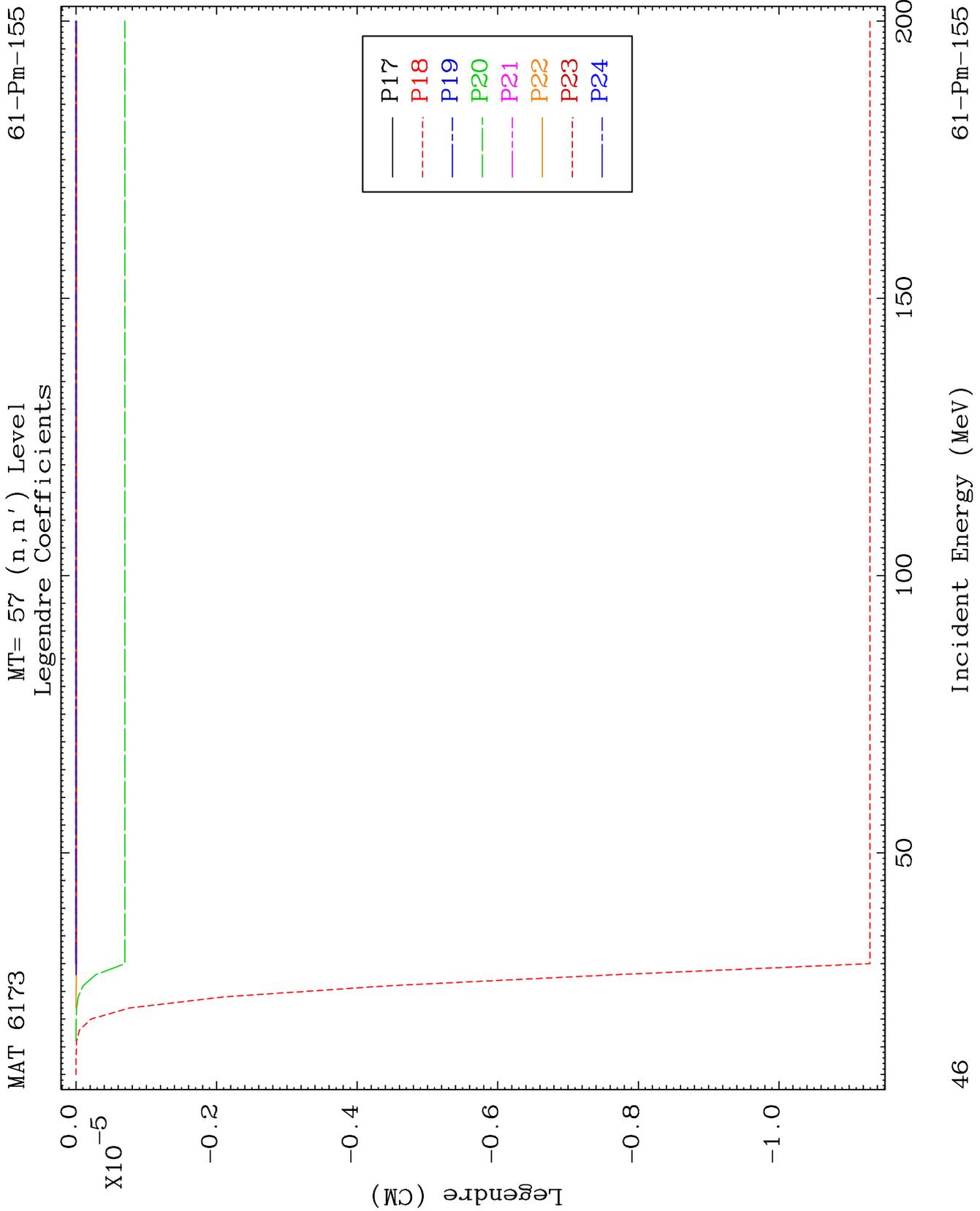


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Incident Energy (MeV)

61-Pm-155

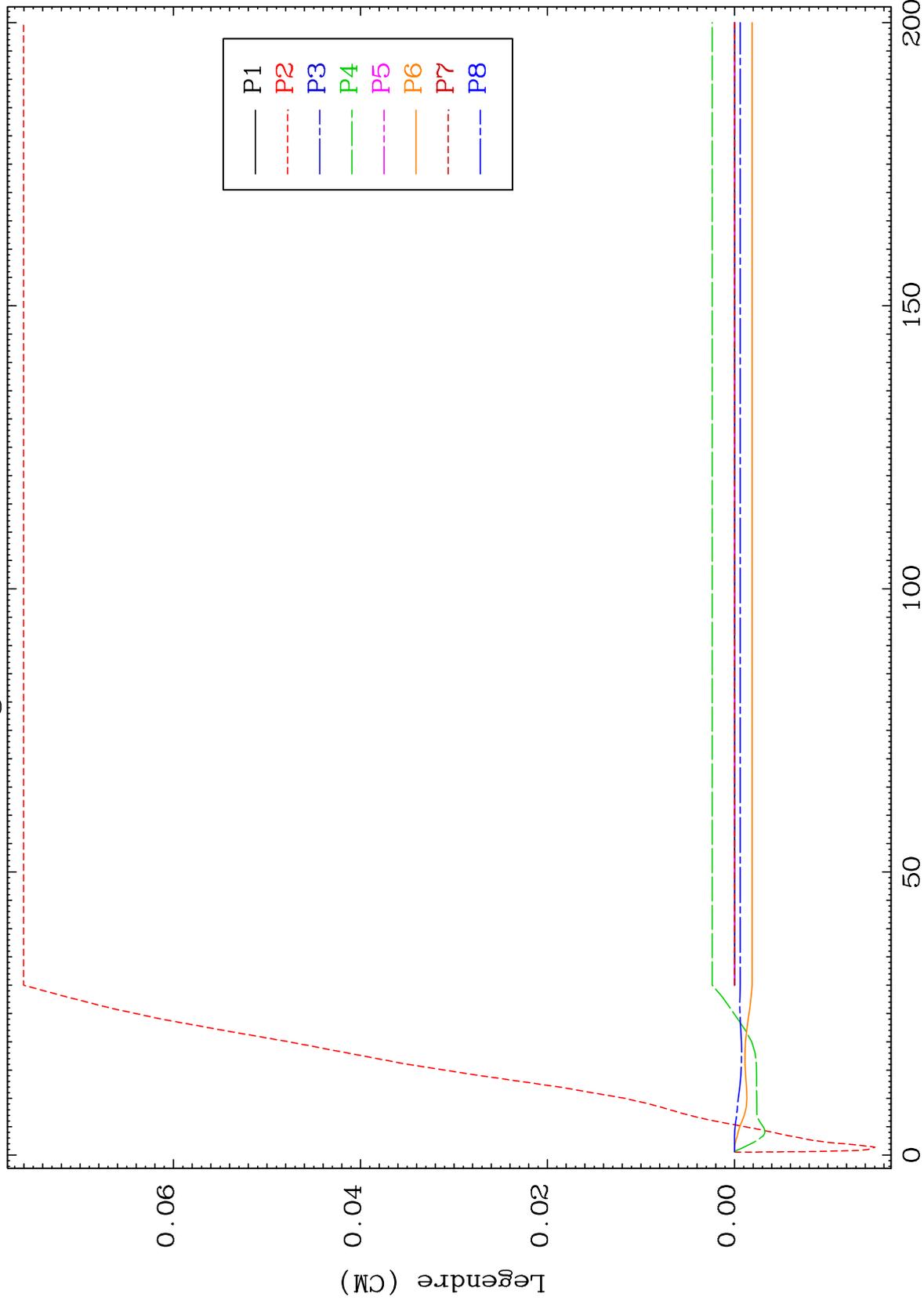




MAT 6173

MT= 58 (n,n') Level
Legendre Coefficients

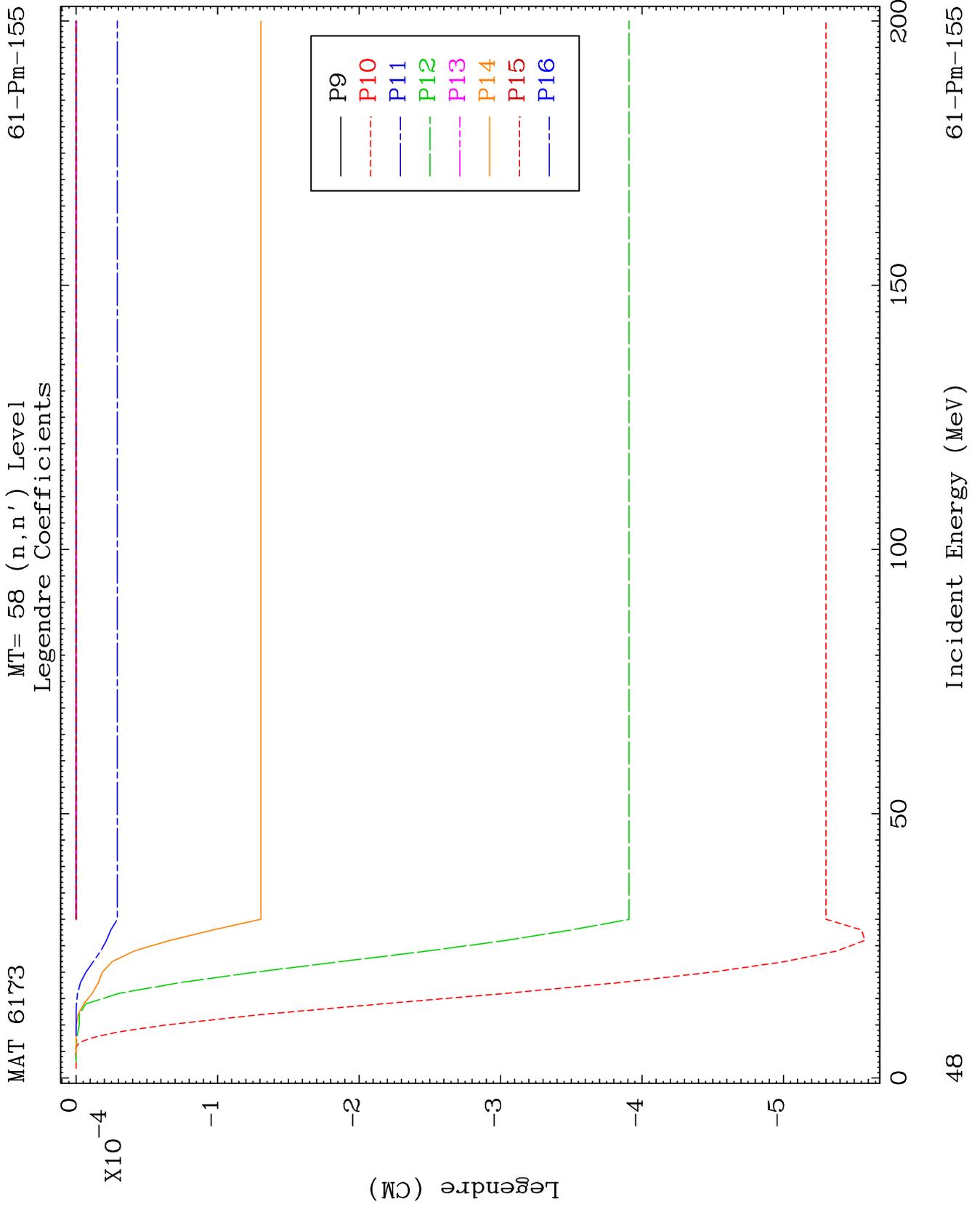
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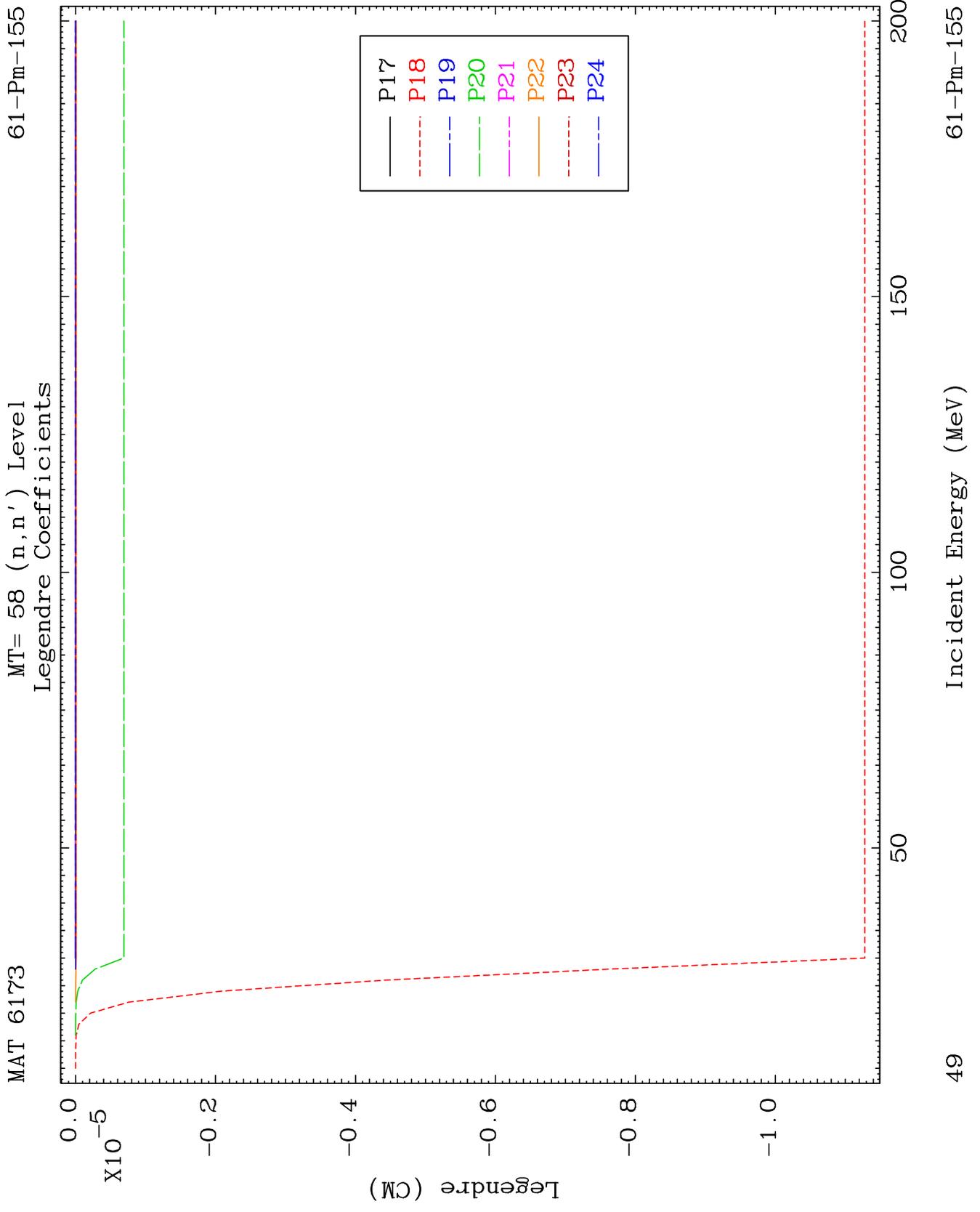


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Incident Energy (MeV)

61-Pm-155

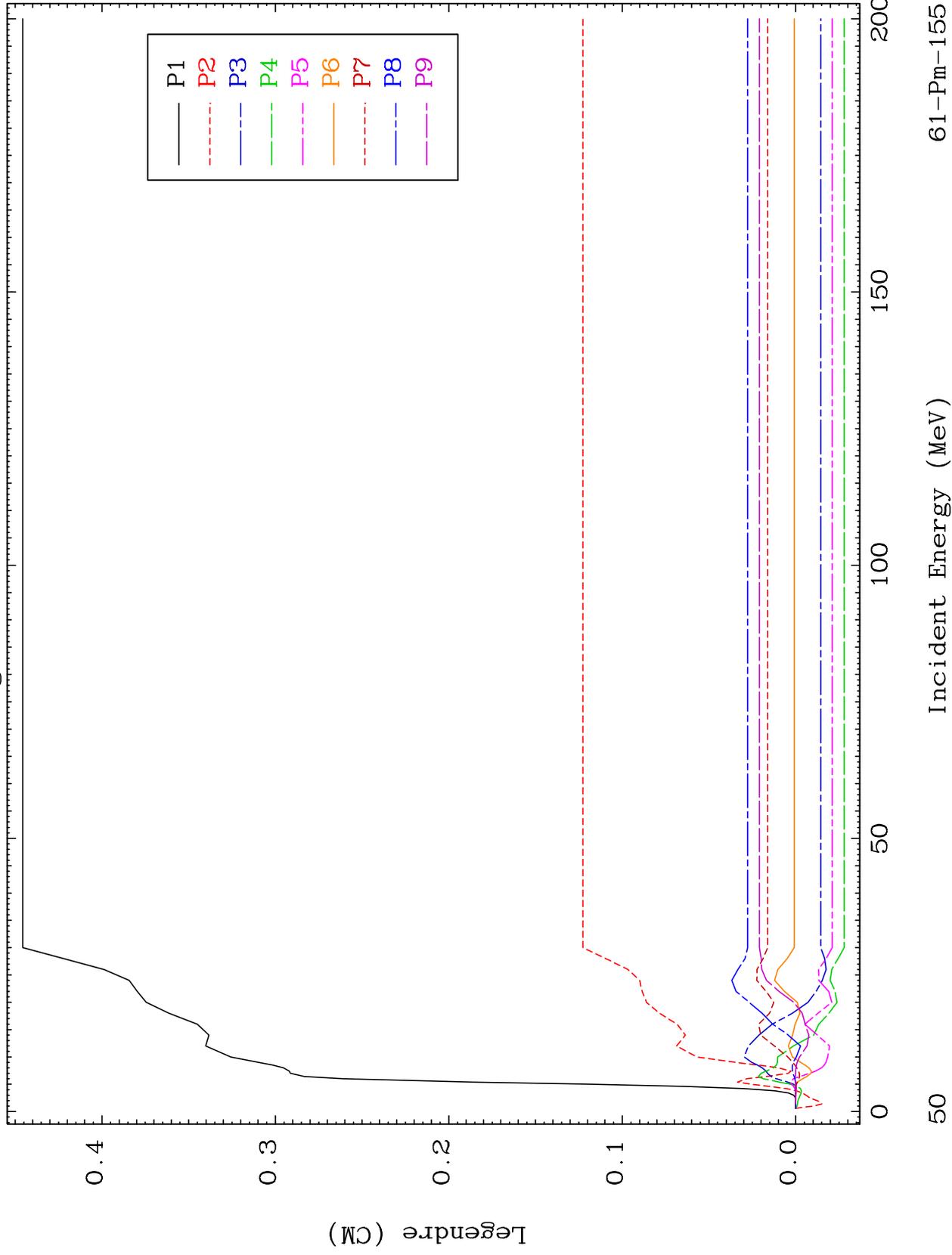




MAT 6173

MT= 59 (n,n') Level
Legendre Coefficients

61-Pm-155



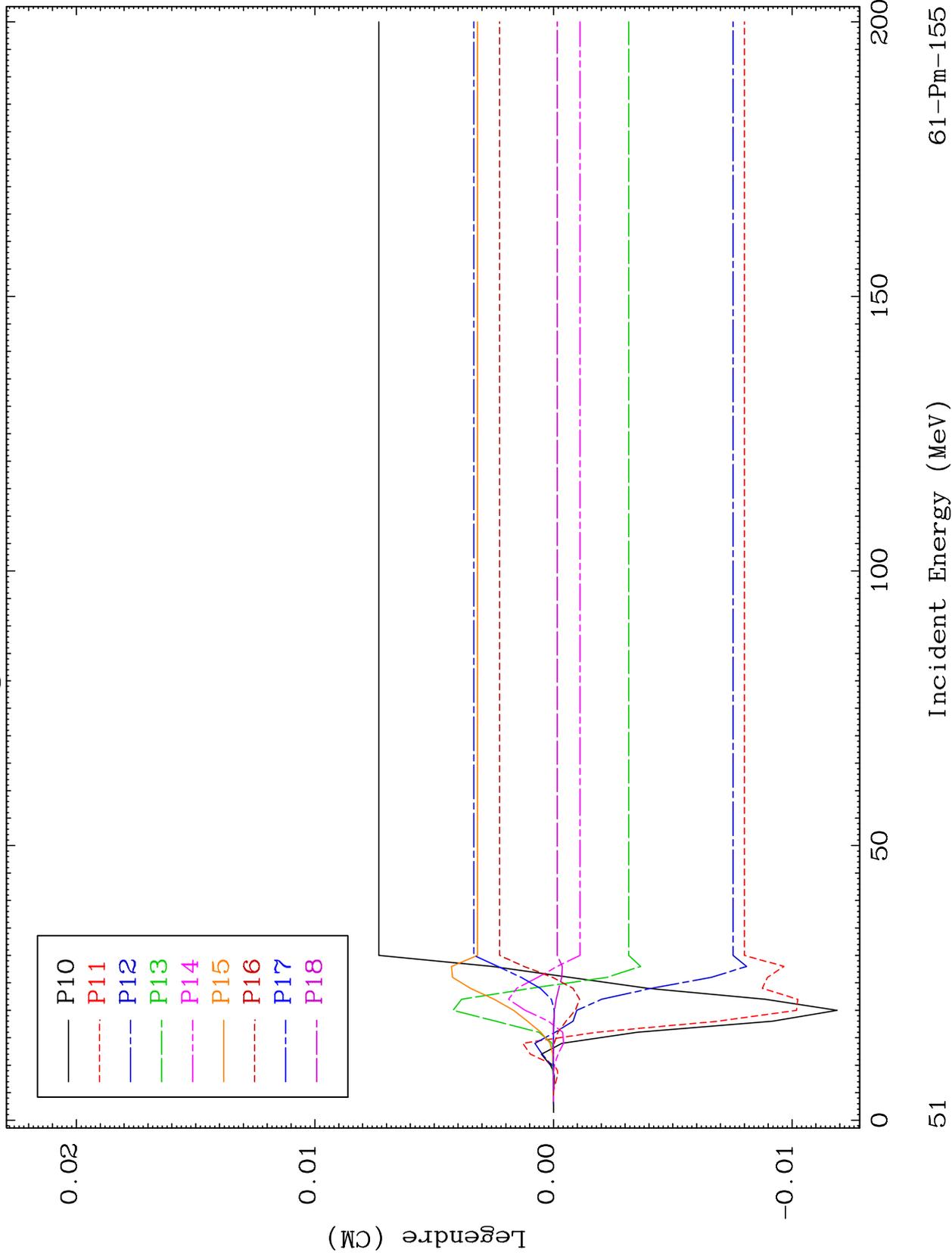
61-Pm-155

Incident Energy (MeV)

MAT 6173

MT= 59 (n,n') Level
Legendre Coefficients

61-Pm-155



61-Pm-155

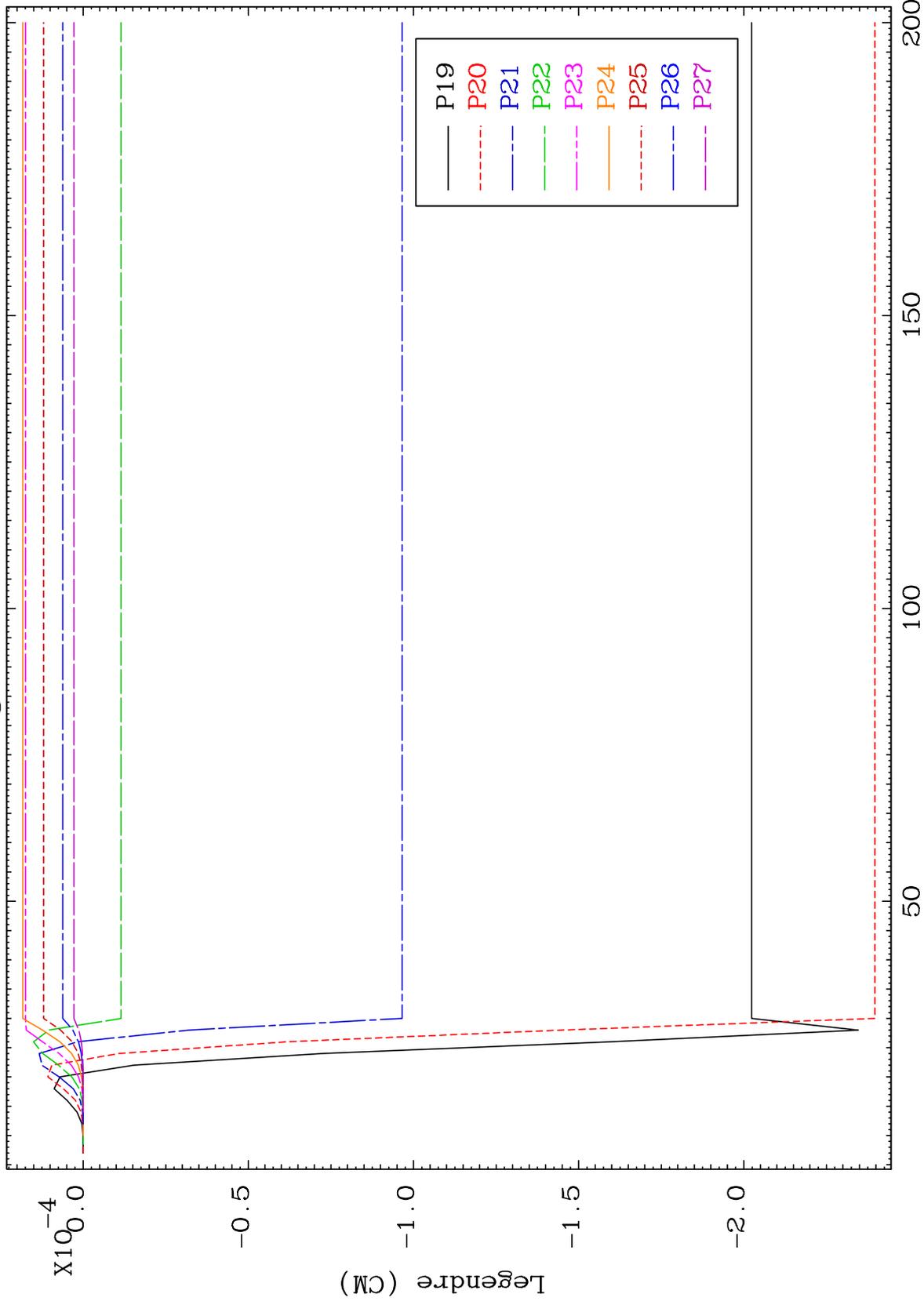
Incident Energy (MeV)

51

MAT 6173

MT= 59 (n,n') Level
Legendre Coefficients

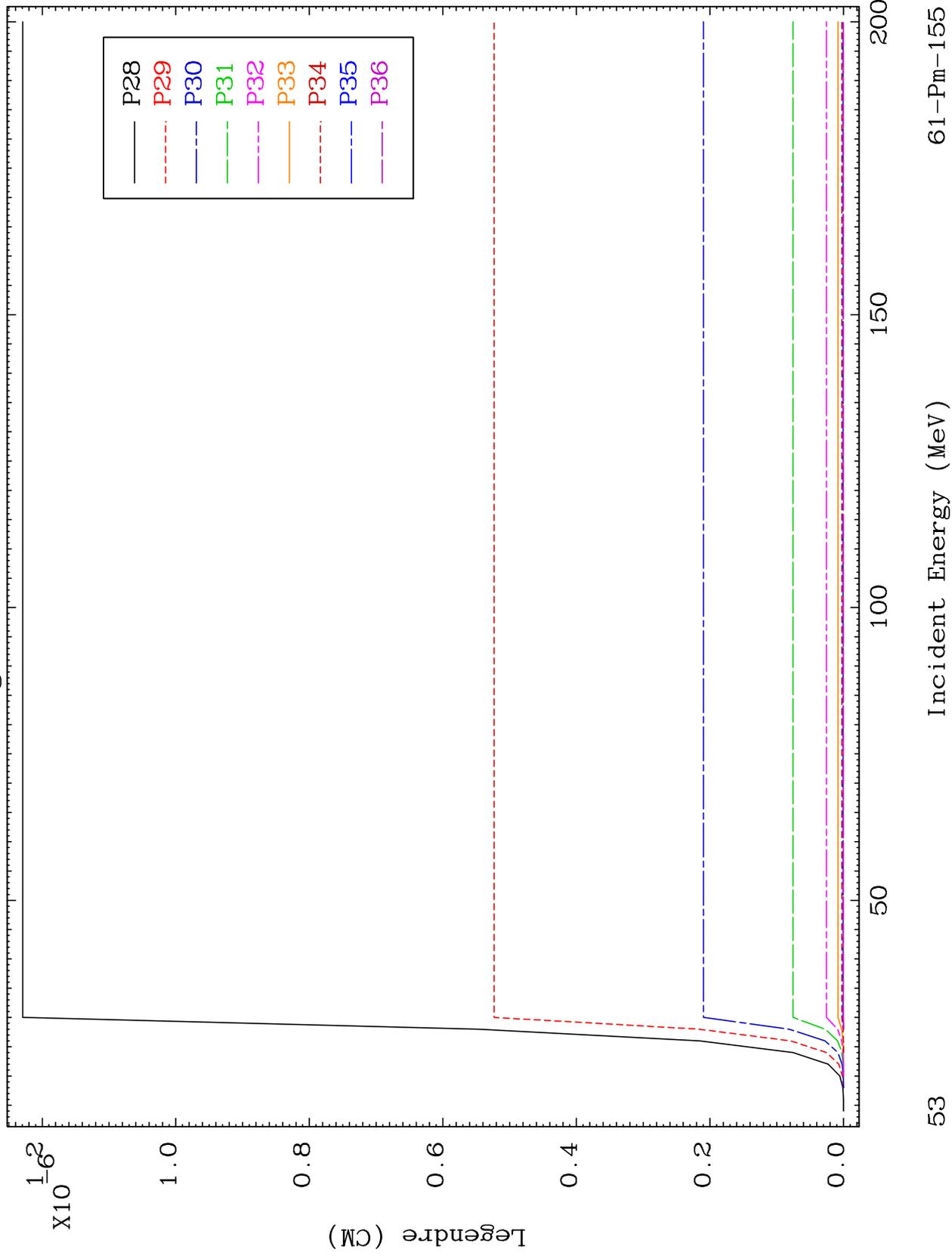
61-Pm-155



MAT 6173

MT= 59 (n,n') Level
Legendre Coefficients

61-Pm-155



53

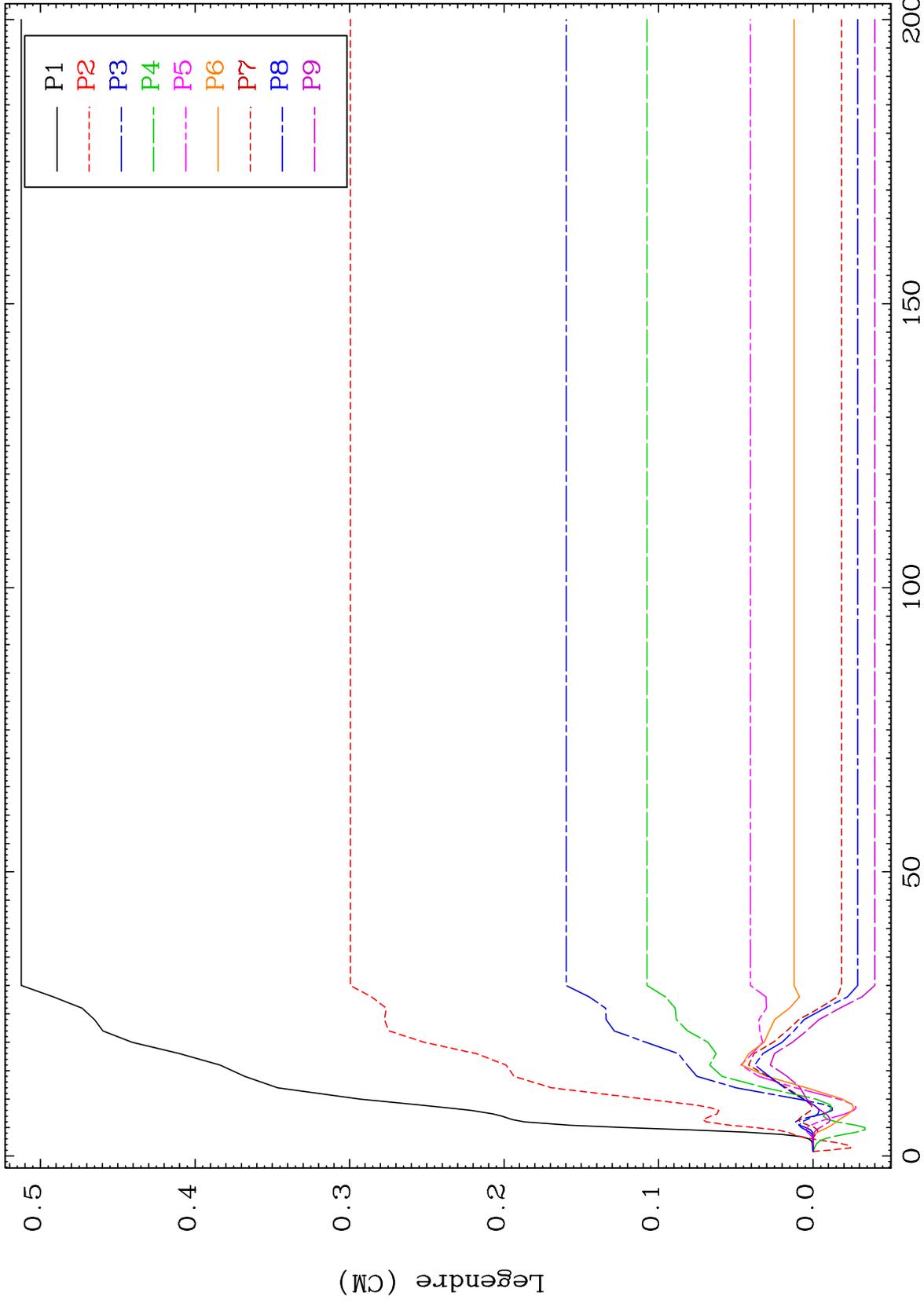
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 60 (n,n') Level
Legendre Coefficients

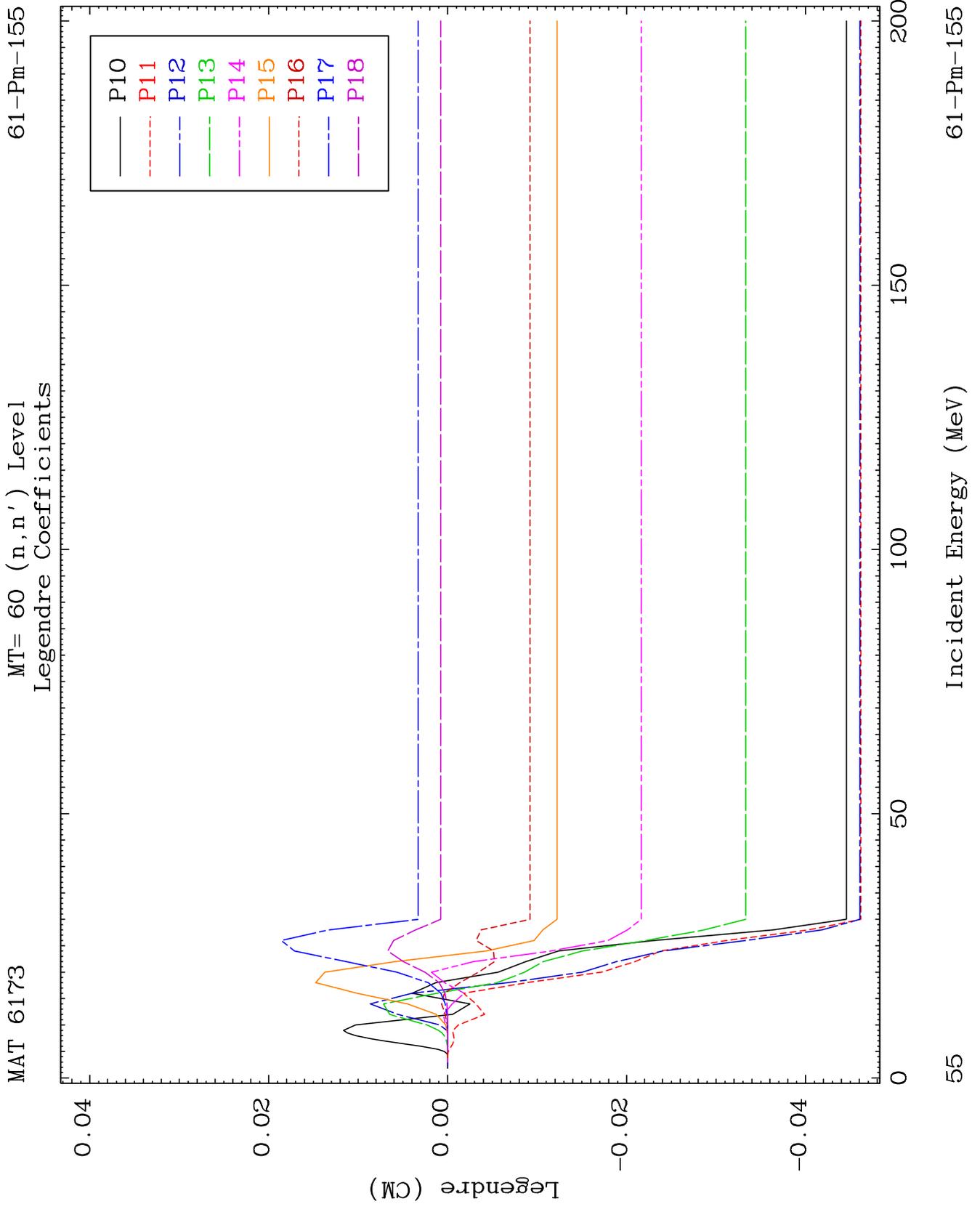
61-Pm-155



54

Incident Energy (MeV)

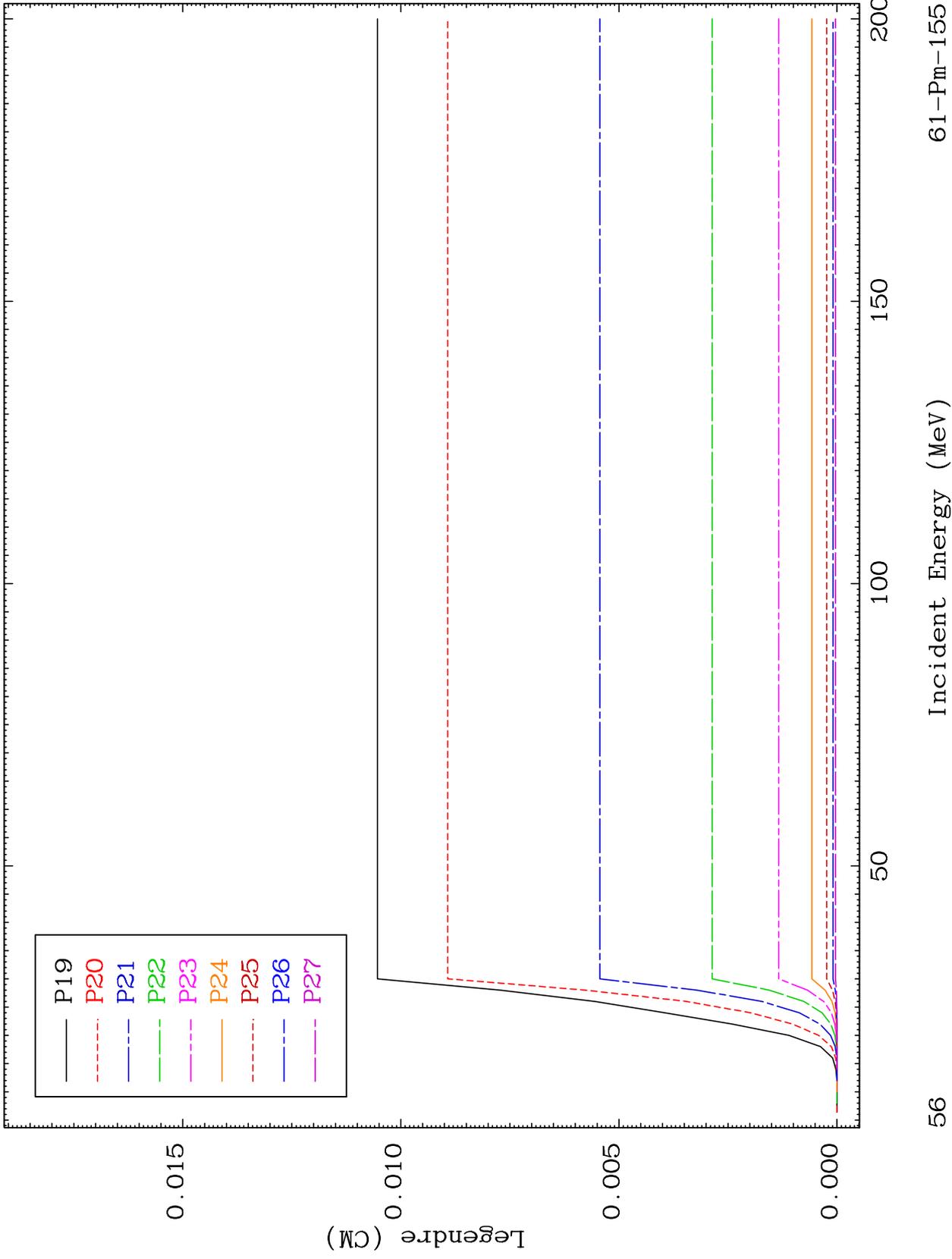
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MAT 6173

MT= 60 (n,n') Level
Legendre Coefficients

61-Pm-155



56

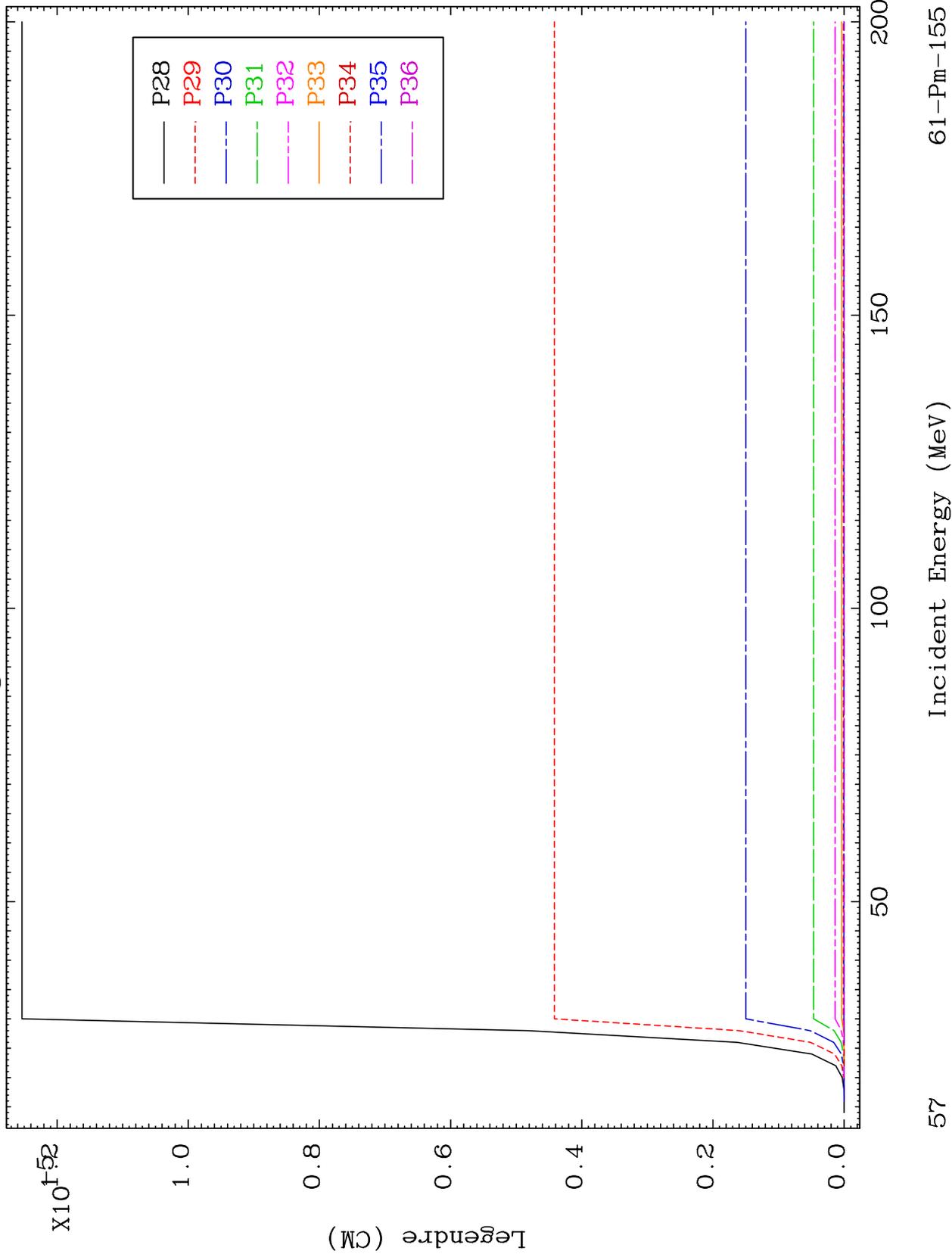
Incident Energy (MeV)

61-Pm-155

MAT 6173

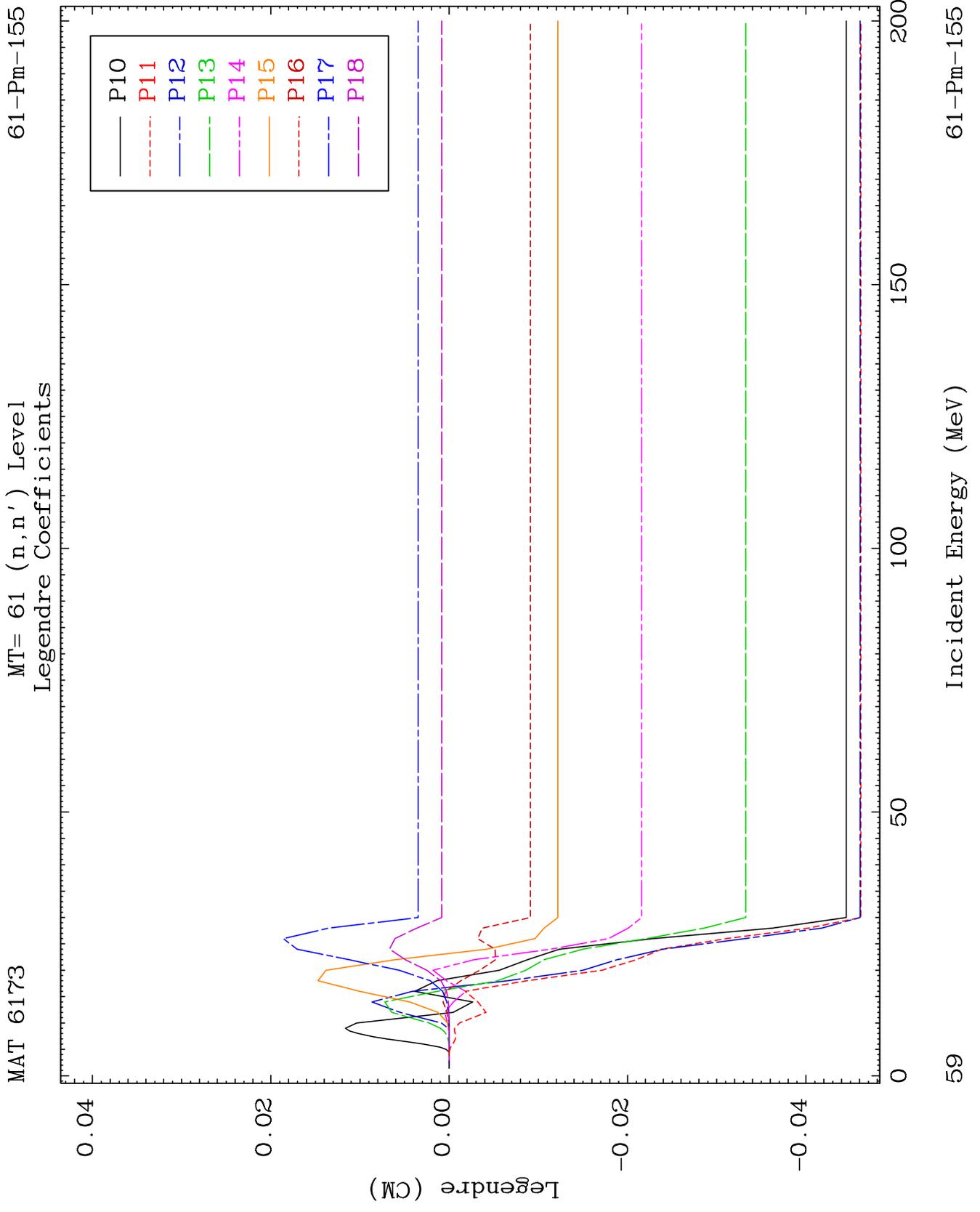
MT= 60 (n,n') Level
Legendre Coefficients

61-Pm-155



57

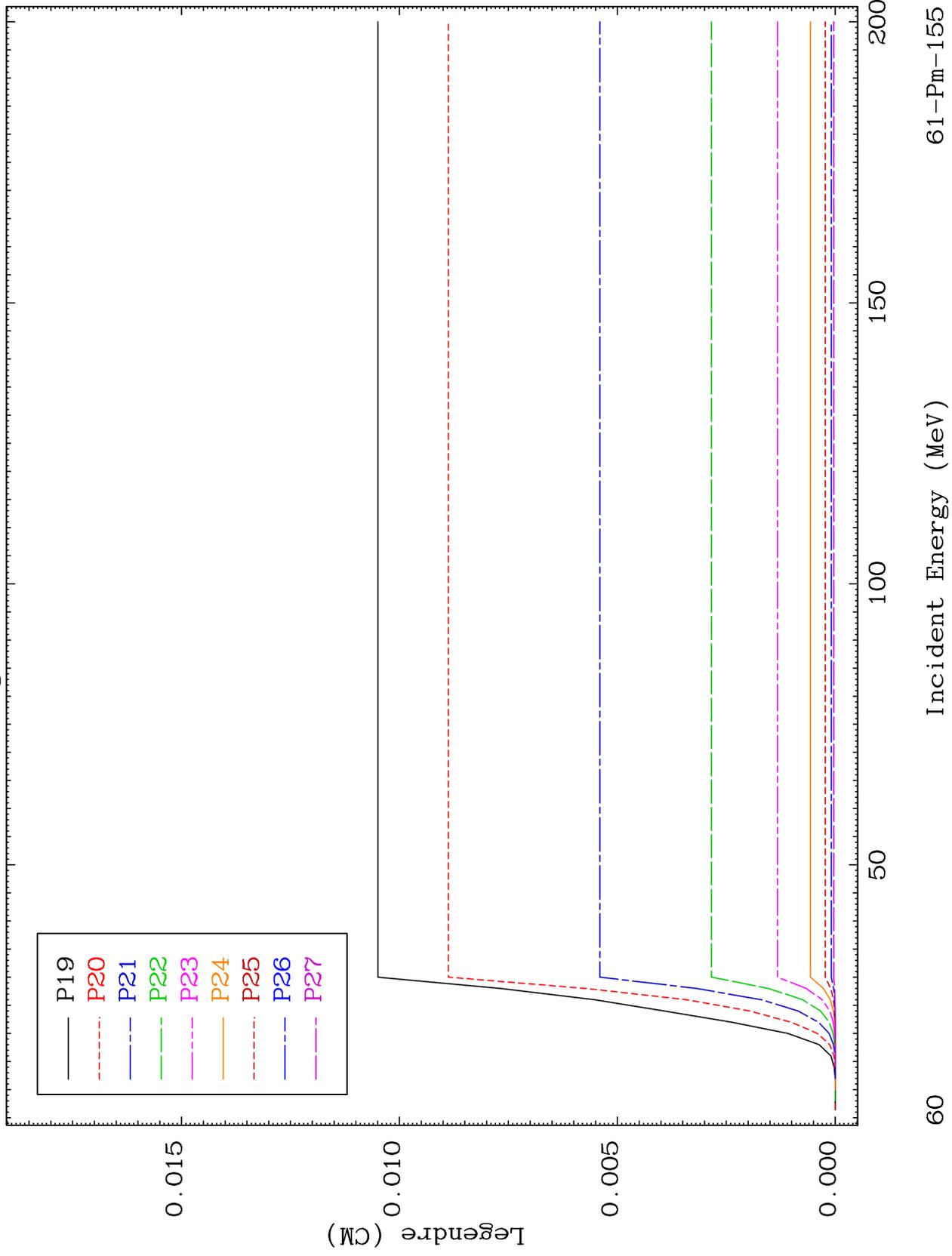
61-Pm-155



MAT 6173

MT= 61 (n,n') Level
Legendre Coefficients

61-Pm-155



61-Pm-155

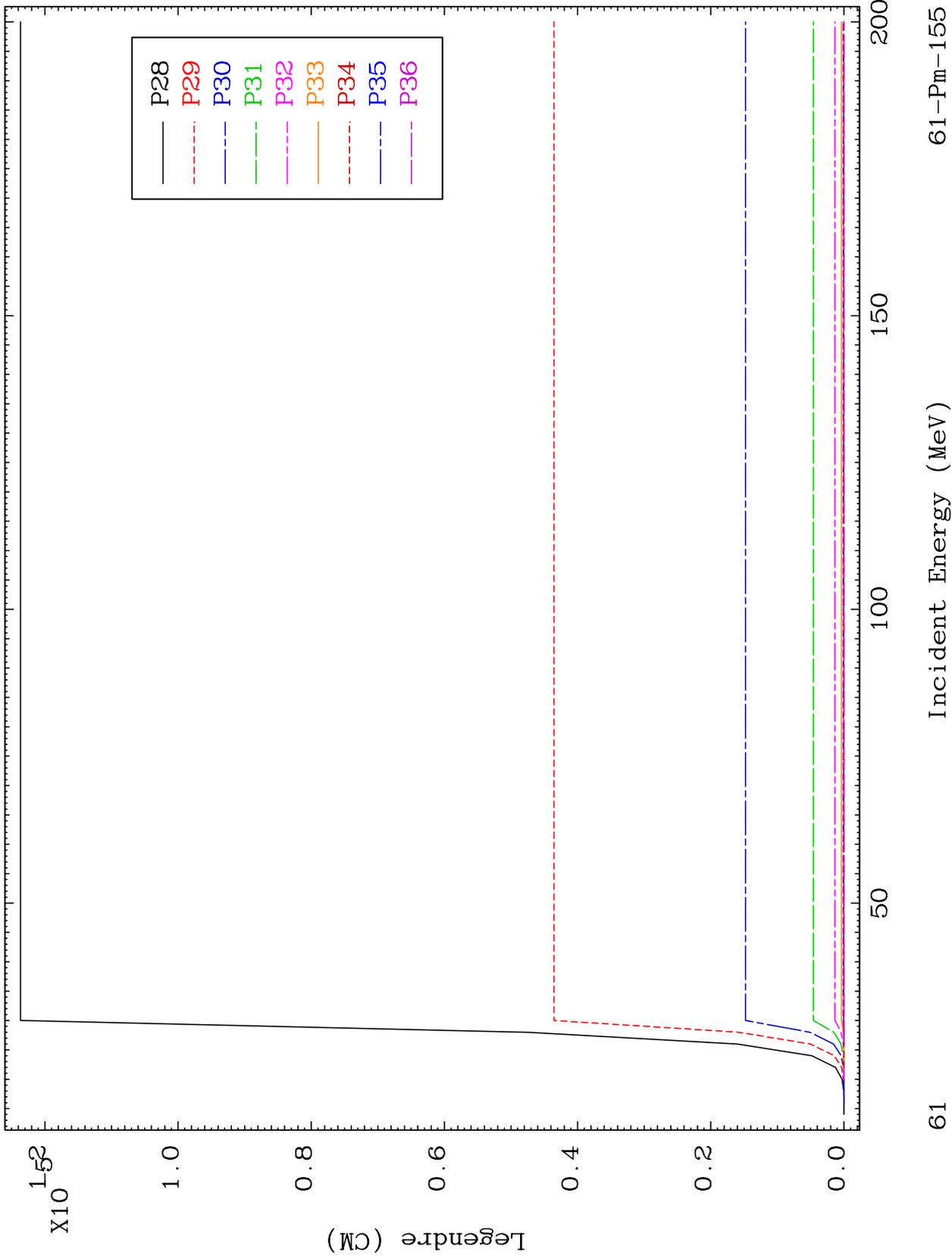
Incident Energy (MeV)

60

MAT 6173

MT= 61 (n,n') Level
Legendre Coefficients

61-Pm-155



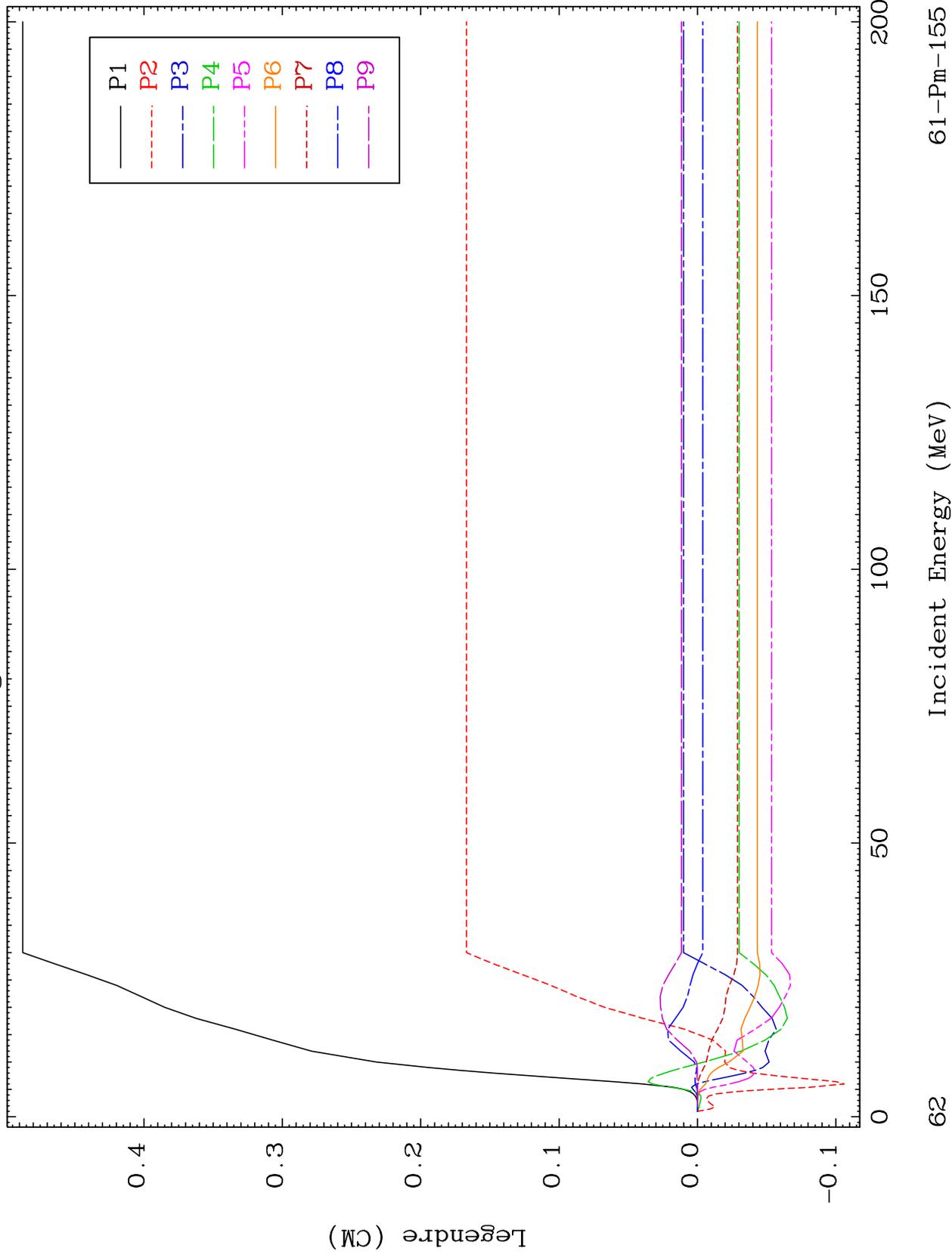
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61-Pm-155

MAT 6173

MT= 62 (n,n') Level
Legendre Coefficients

61-Pm-155



61-Pm-155

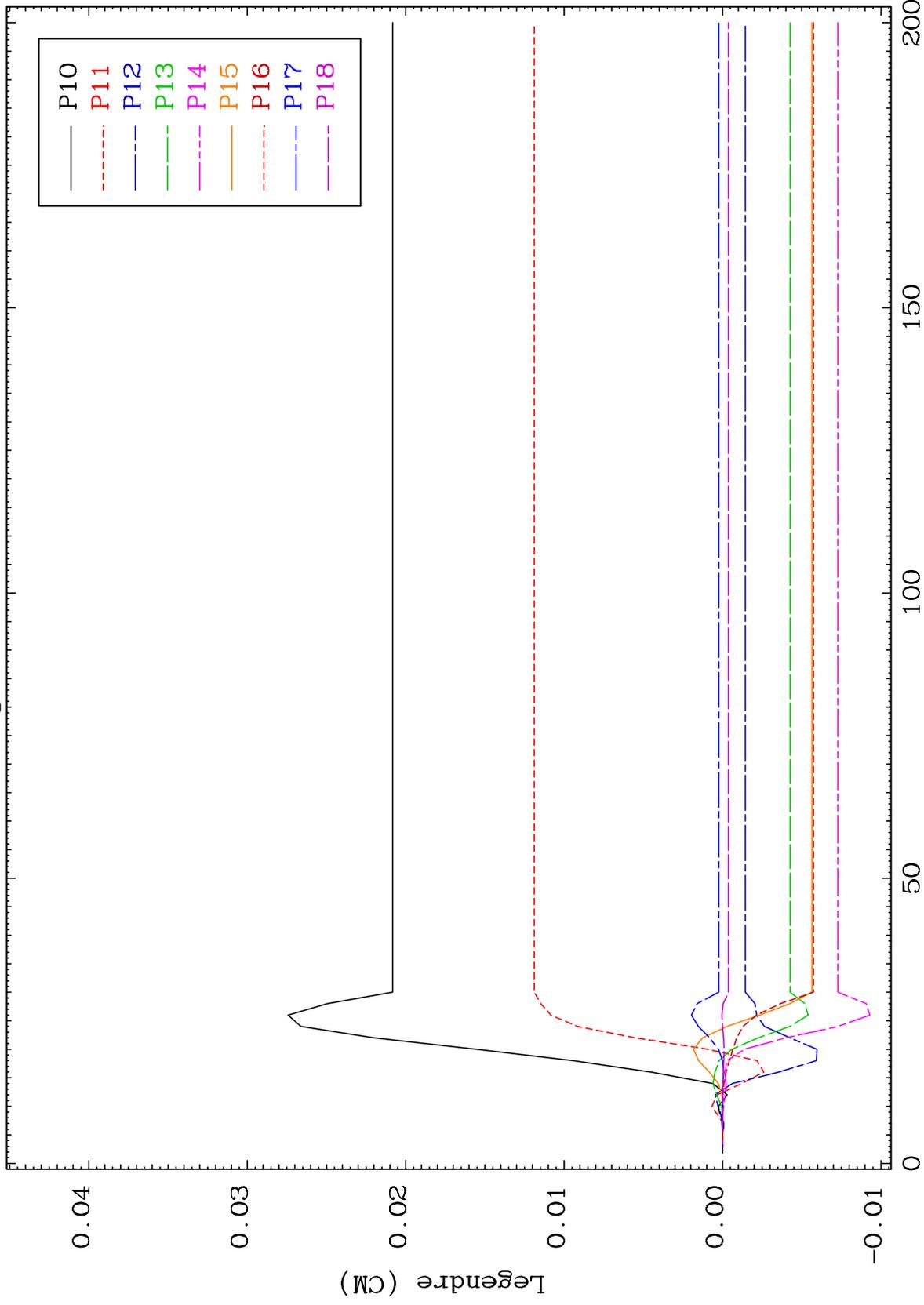
Incident Energy (MeV)

62

MAT 6173

MT= 62 (n,n') Level
Legendre Coefficients

61-Pm-155



63

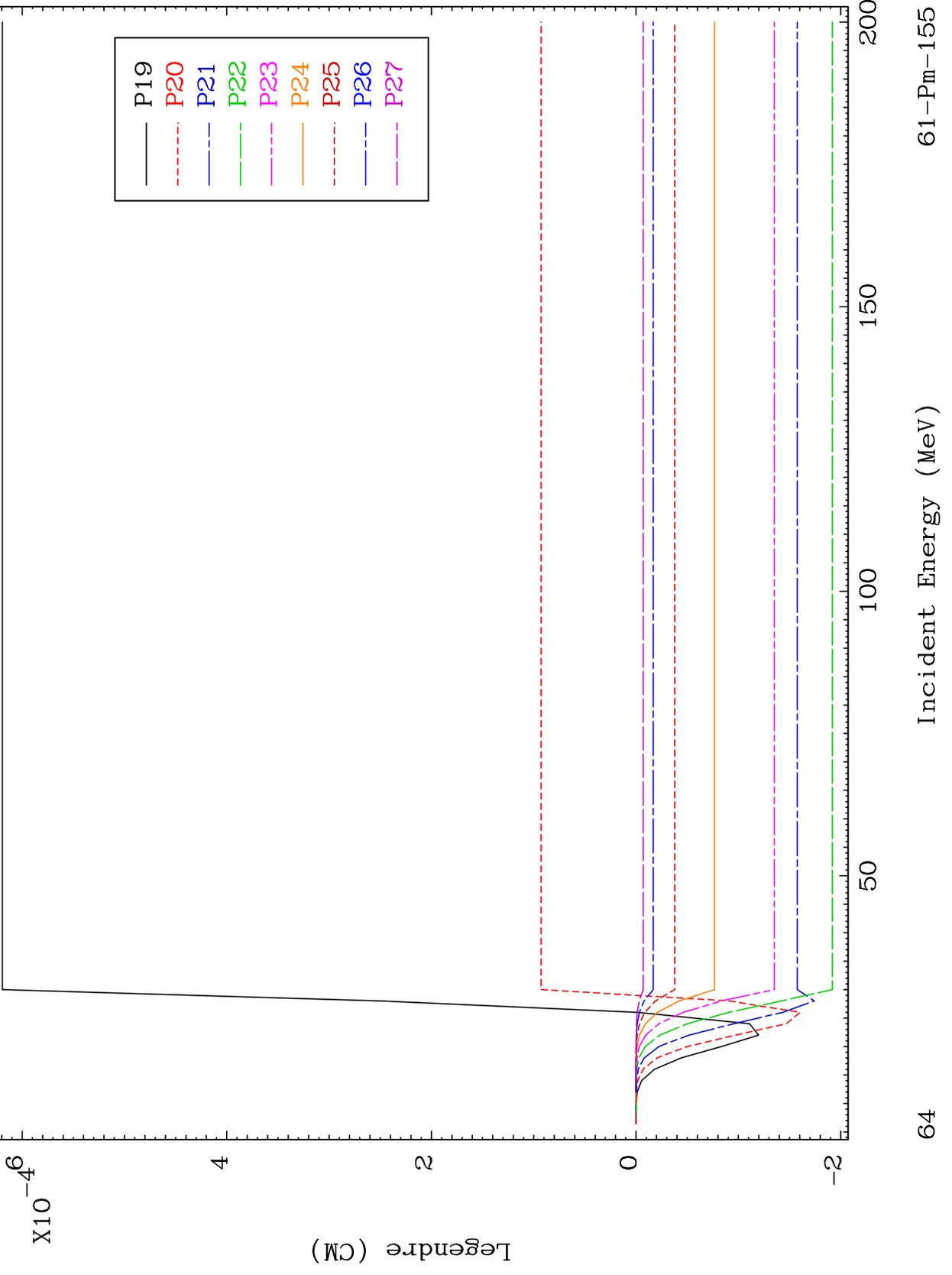
Incident Energy (MeV)

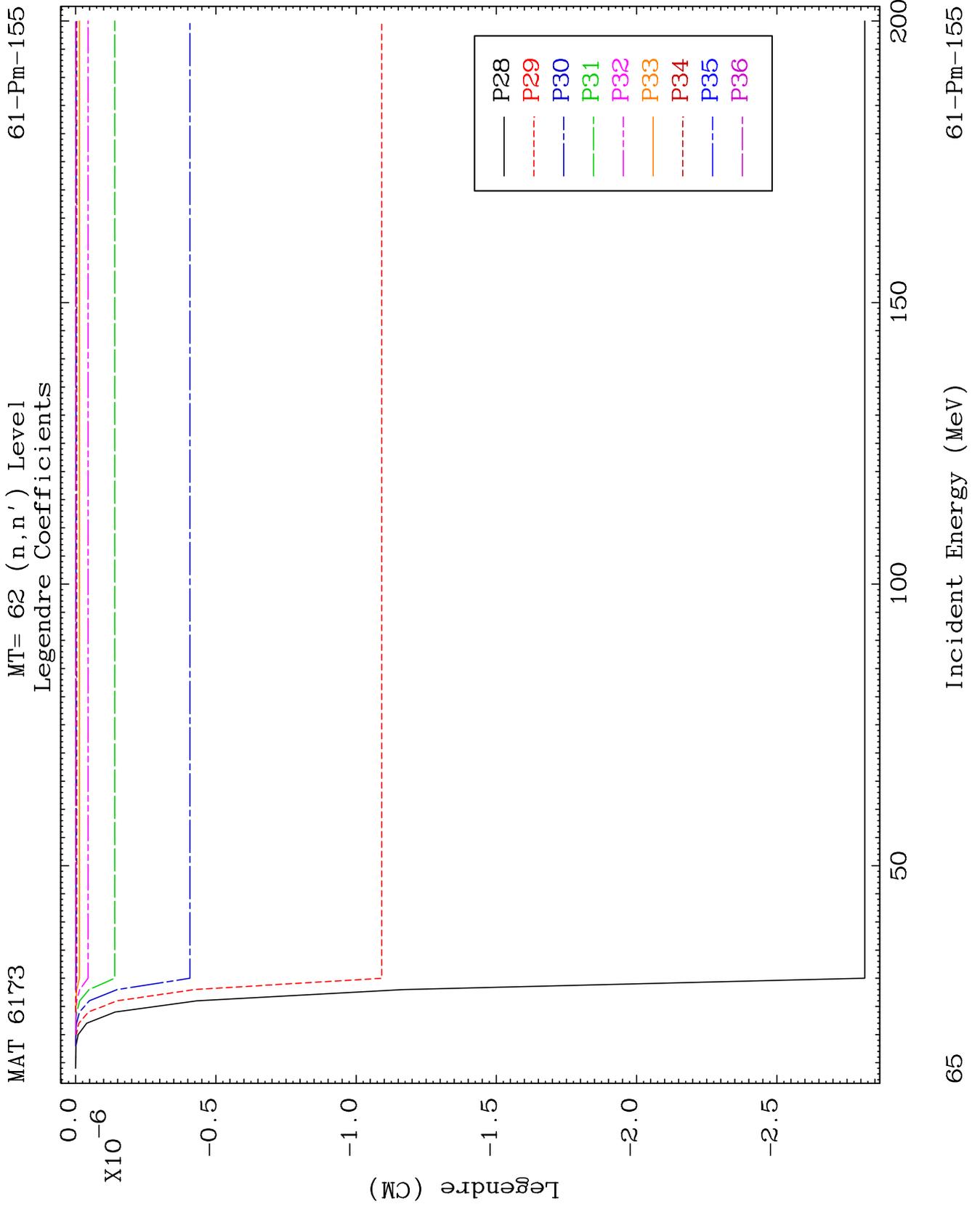
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MAT 6173

MT= 62 (n,n') Level
Legendre Coefficients

61-Pm-155

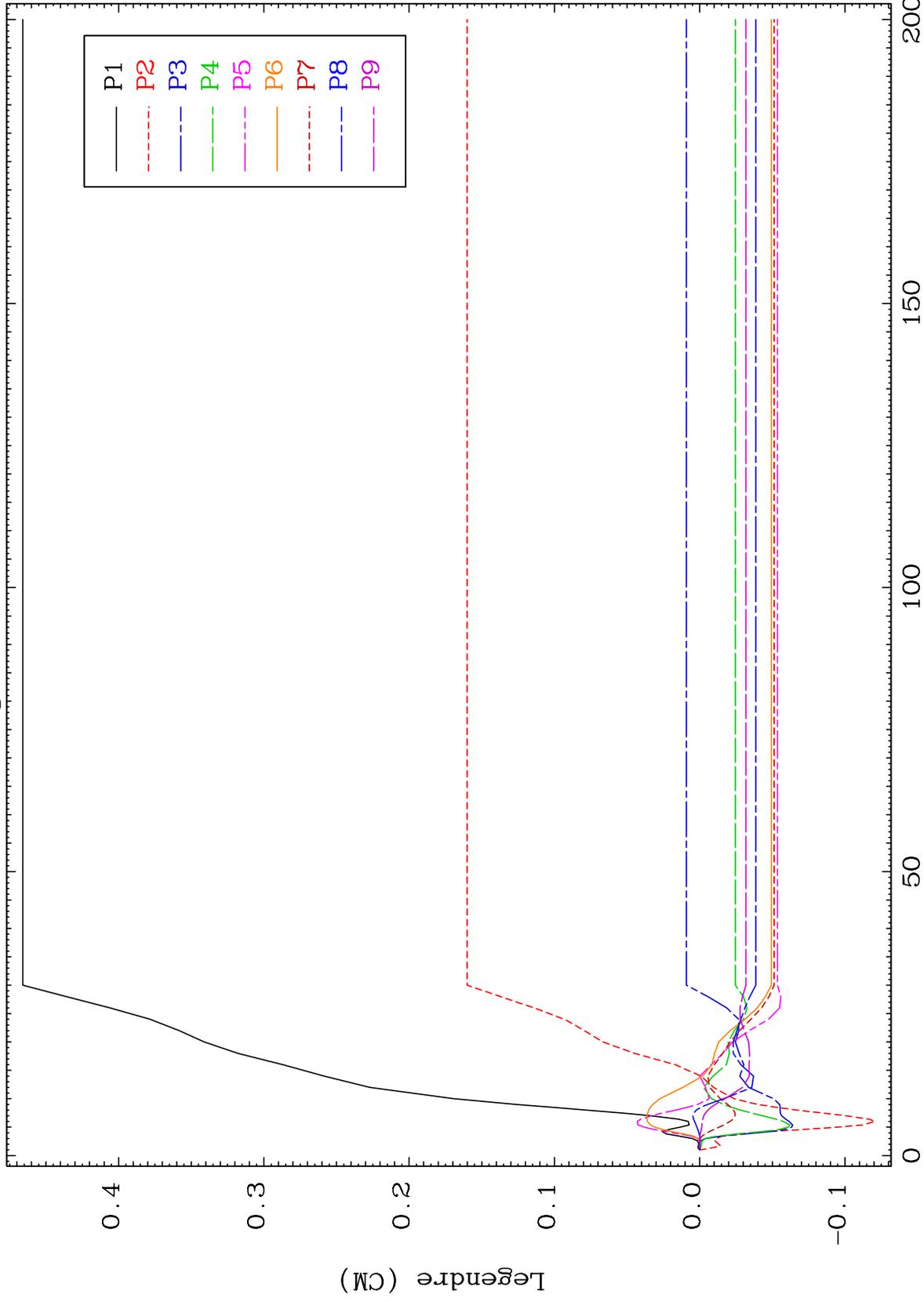




MAT 6173

MT= 63 (n,n') Level
Legendre Coefficients

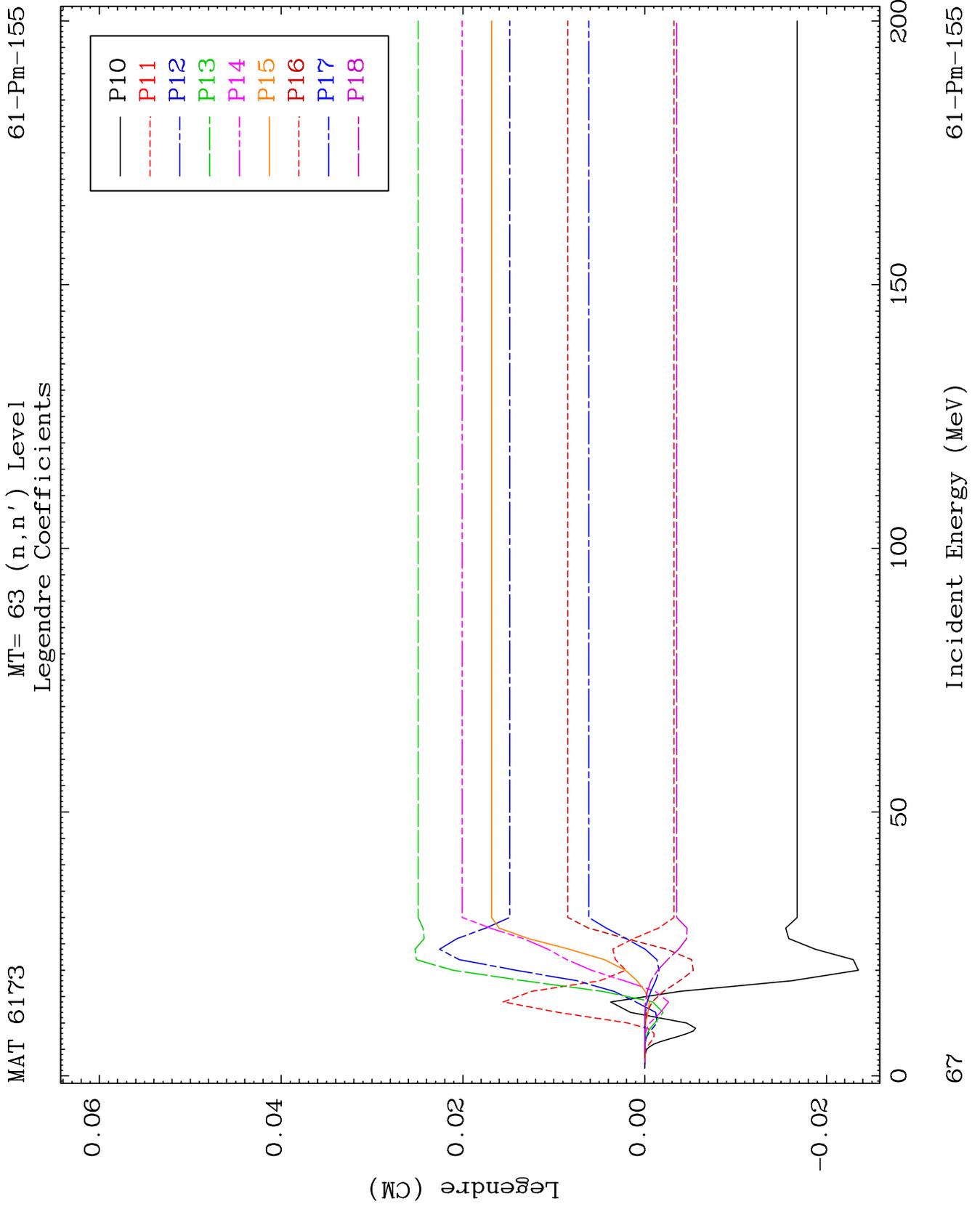
61-Pm-155



61-Pm-155

Incident Energy (MeV)

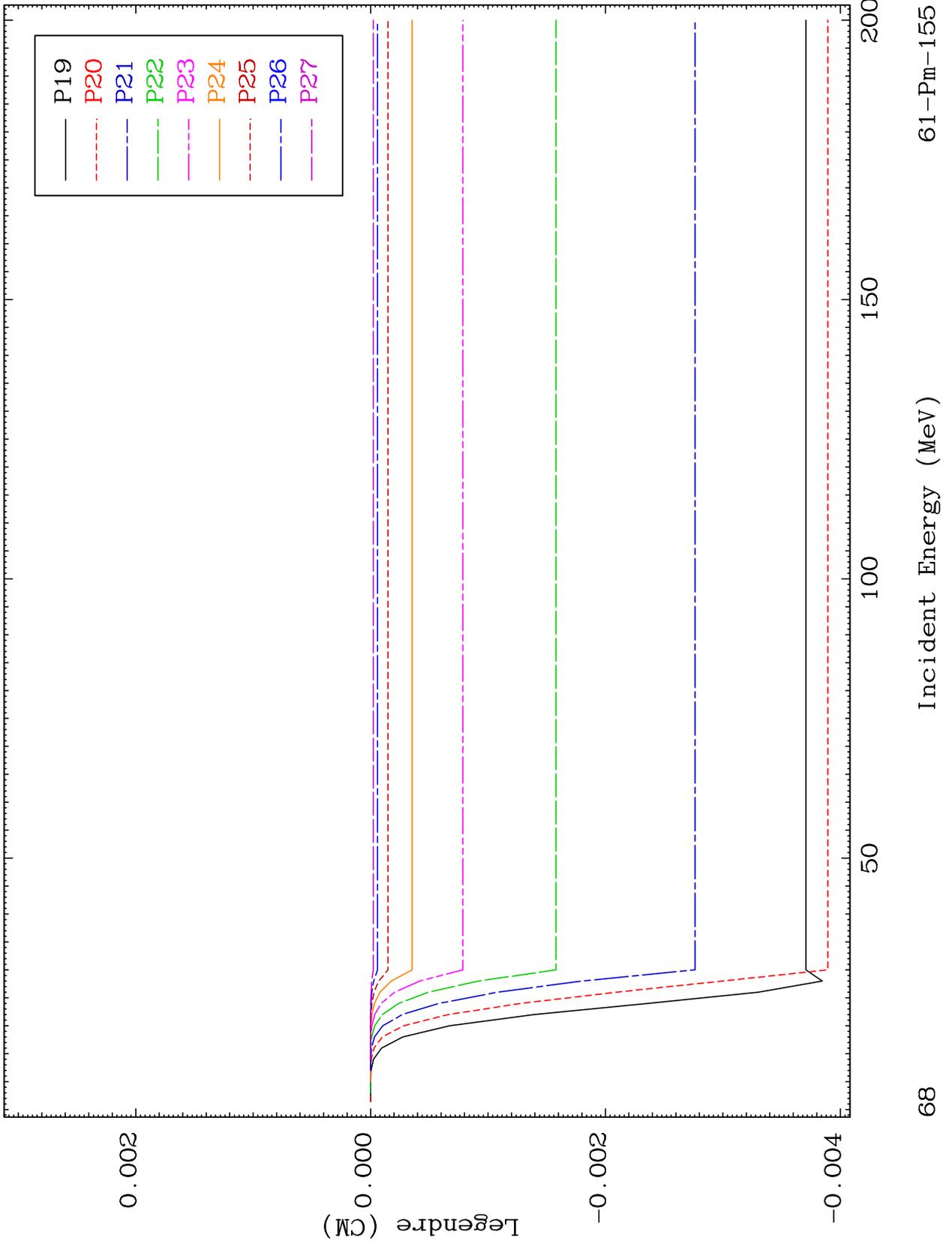
66



MAT 6173

MT= 63 (n,n') Level
Legendre Coefficients

61-Pm-155



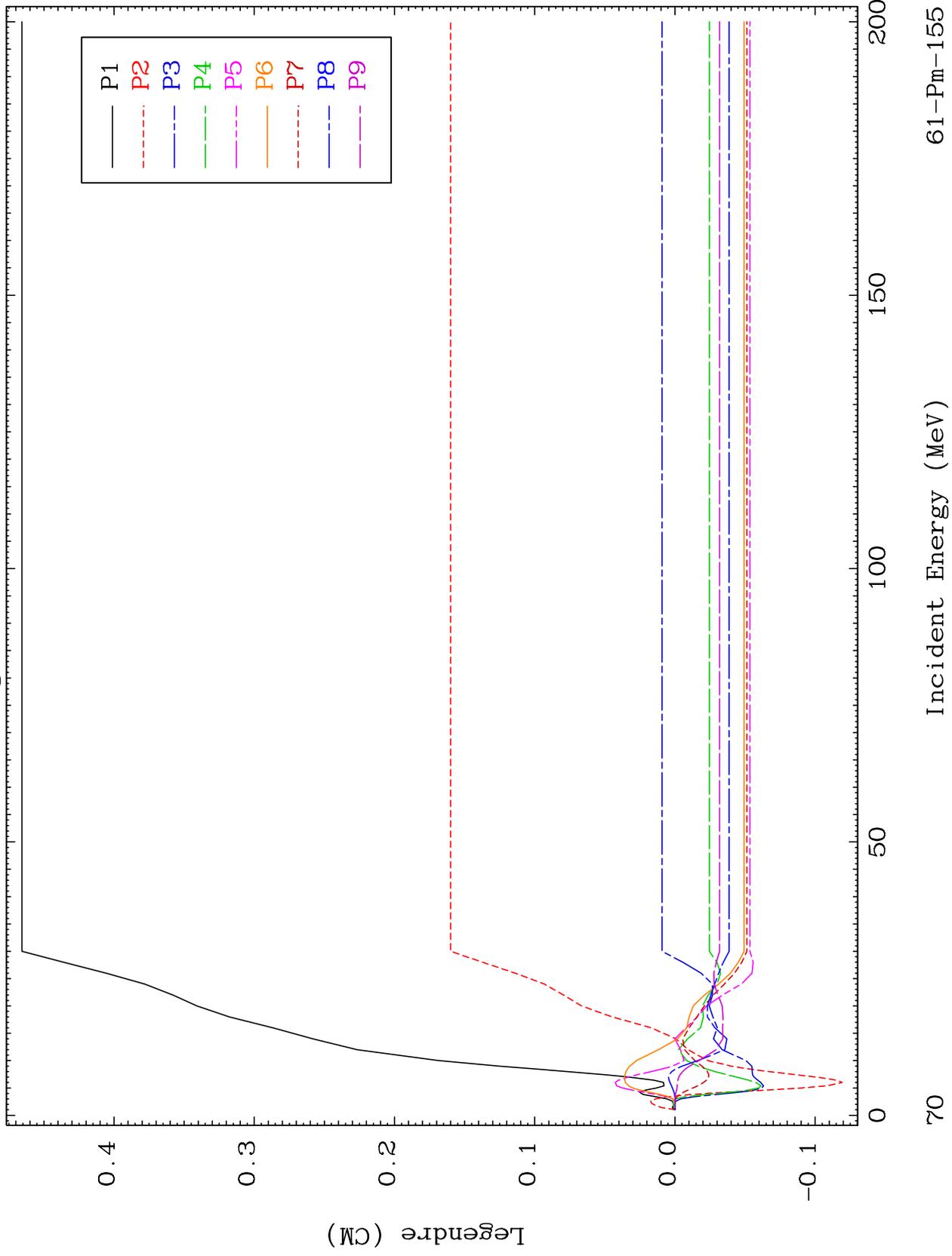
68

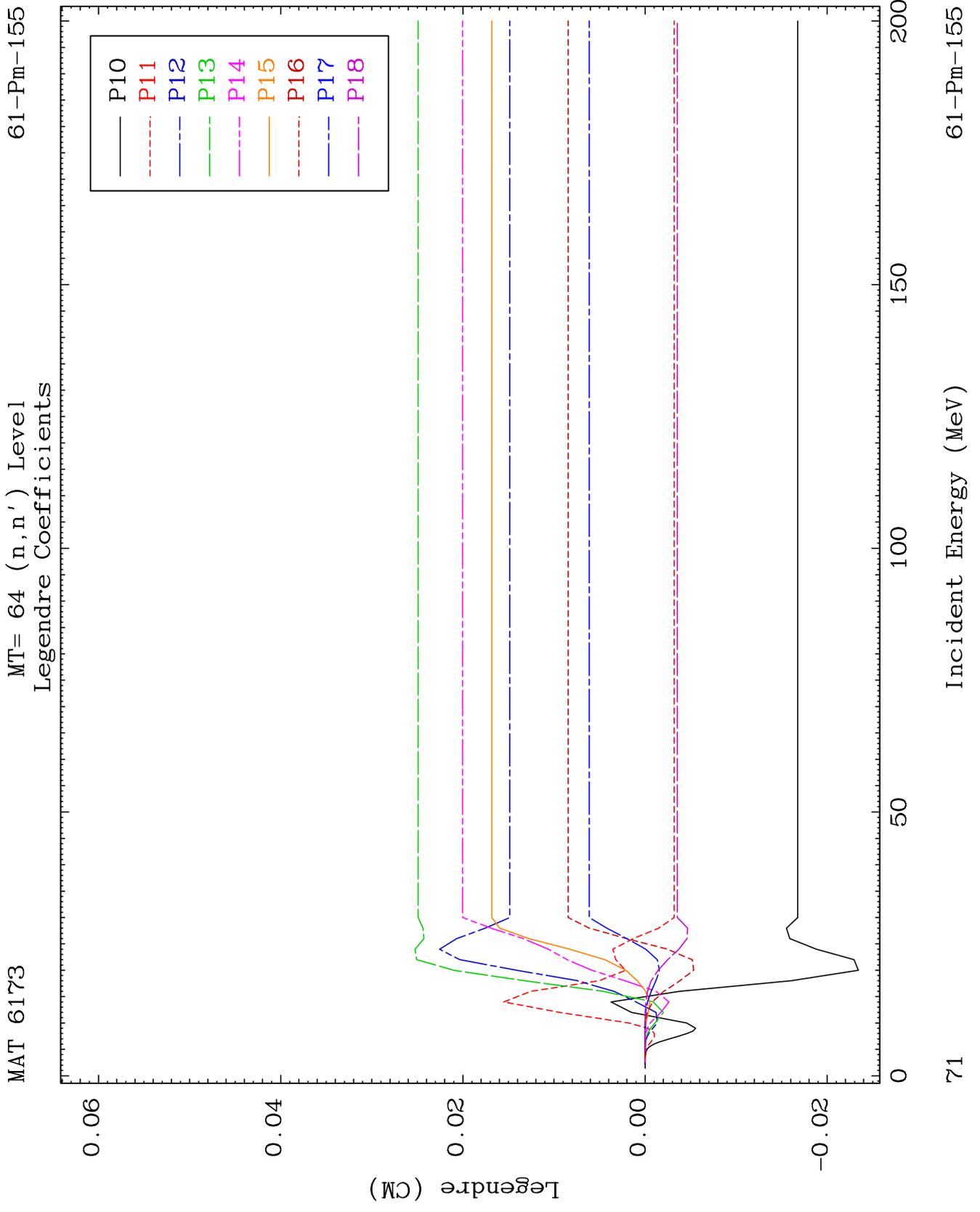
61-Pm-155

MAT 6173

MT= 64 (n,n') Level
Legendre Coefficients

61-Pm-155

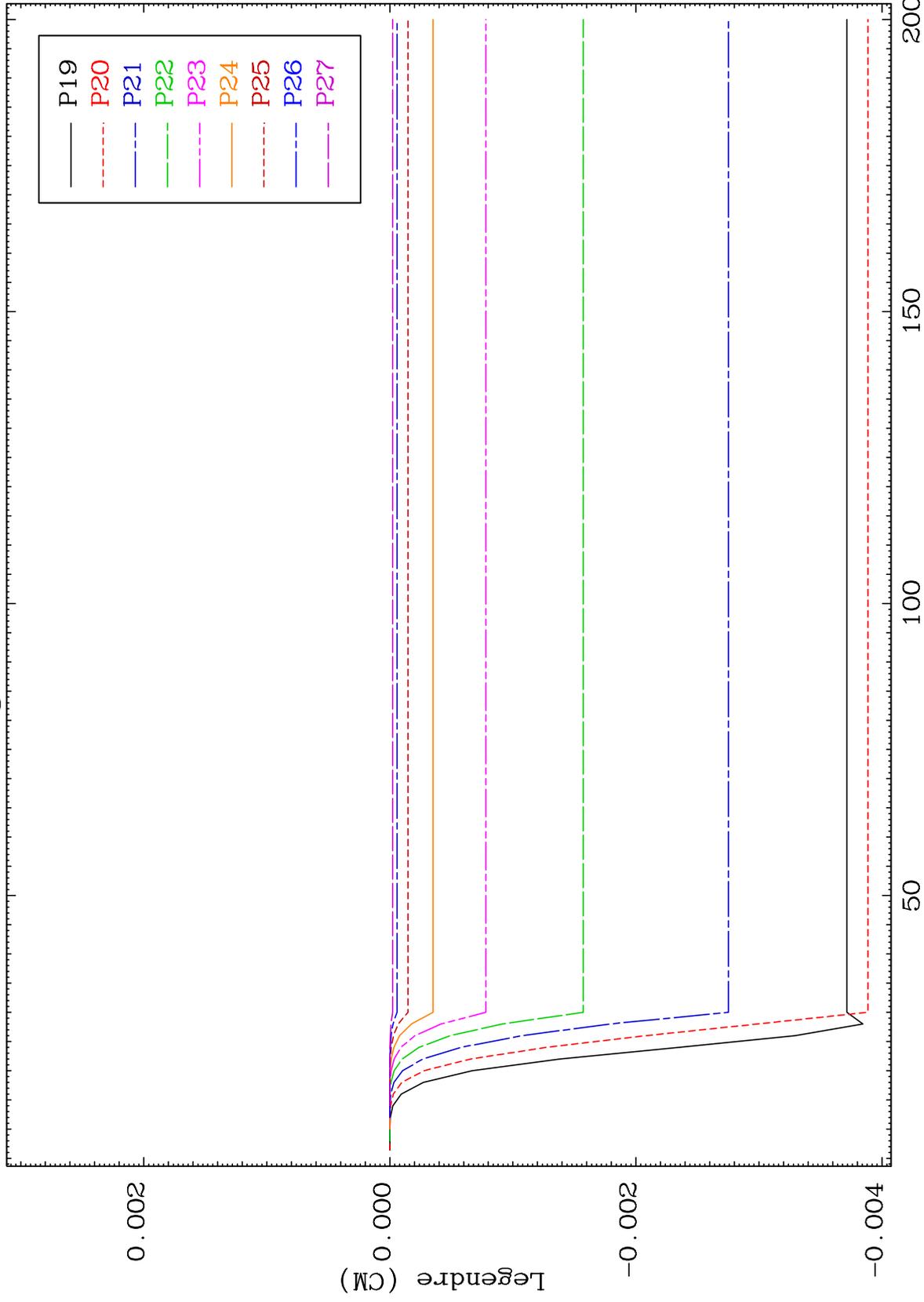




MAT 6173

MT= 64 (n,n') Level
Legendre Coefficients

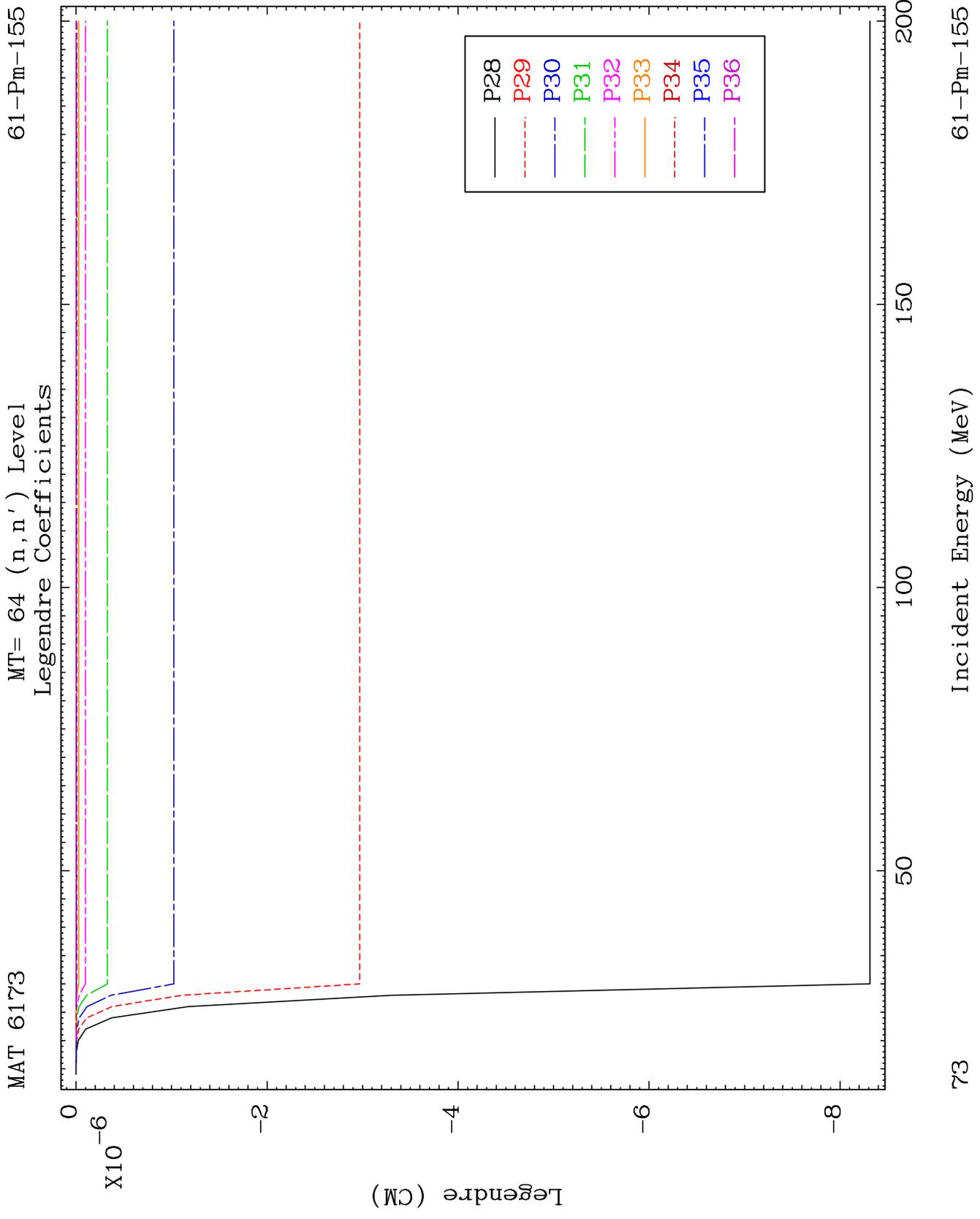
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72

Incident Energy (MeV)

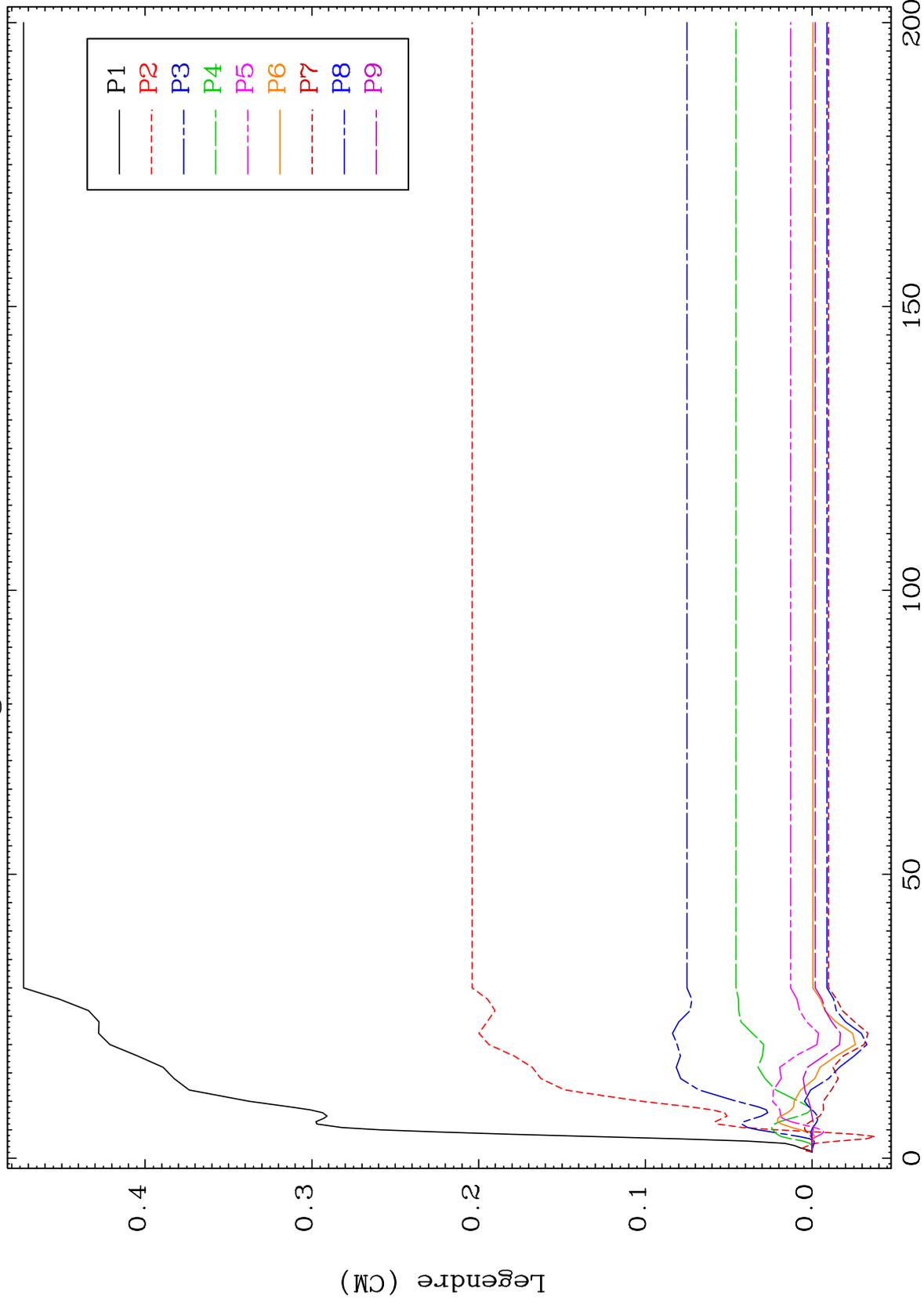
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MAT 6173

MT= 65 (n,n') Level
Legendre Coefficients

61-Pm-155



74

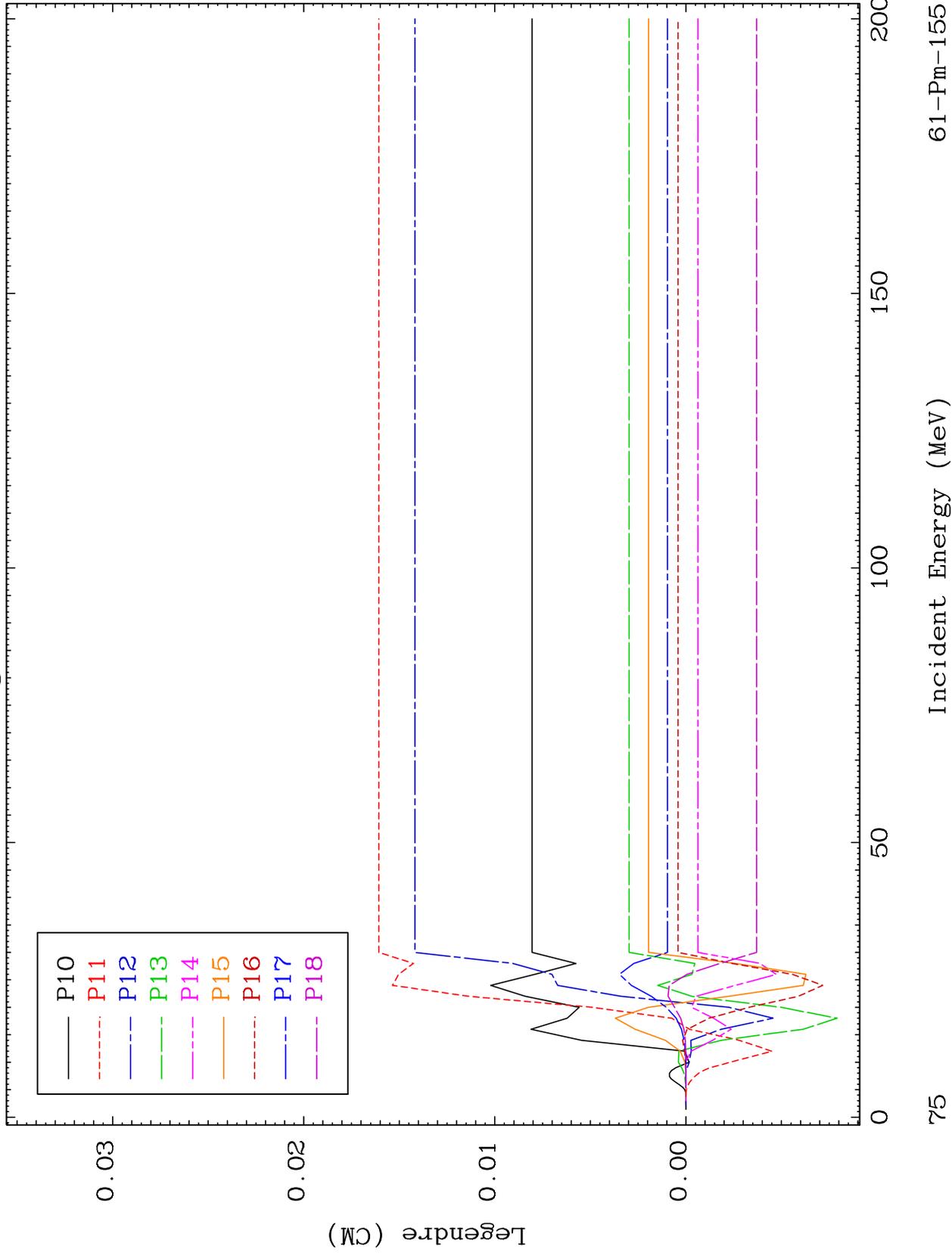
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 65 (n,n') Level
Legendre Coefficients

61-Pm-155



61-Pm-155

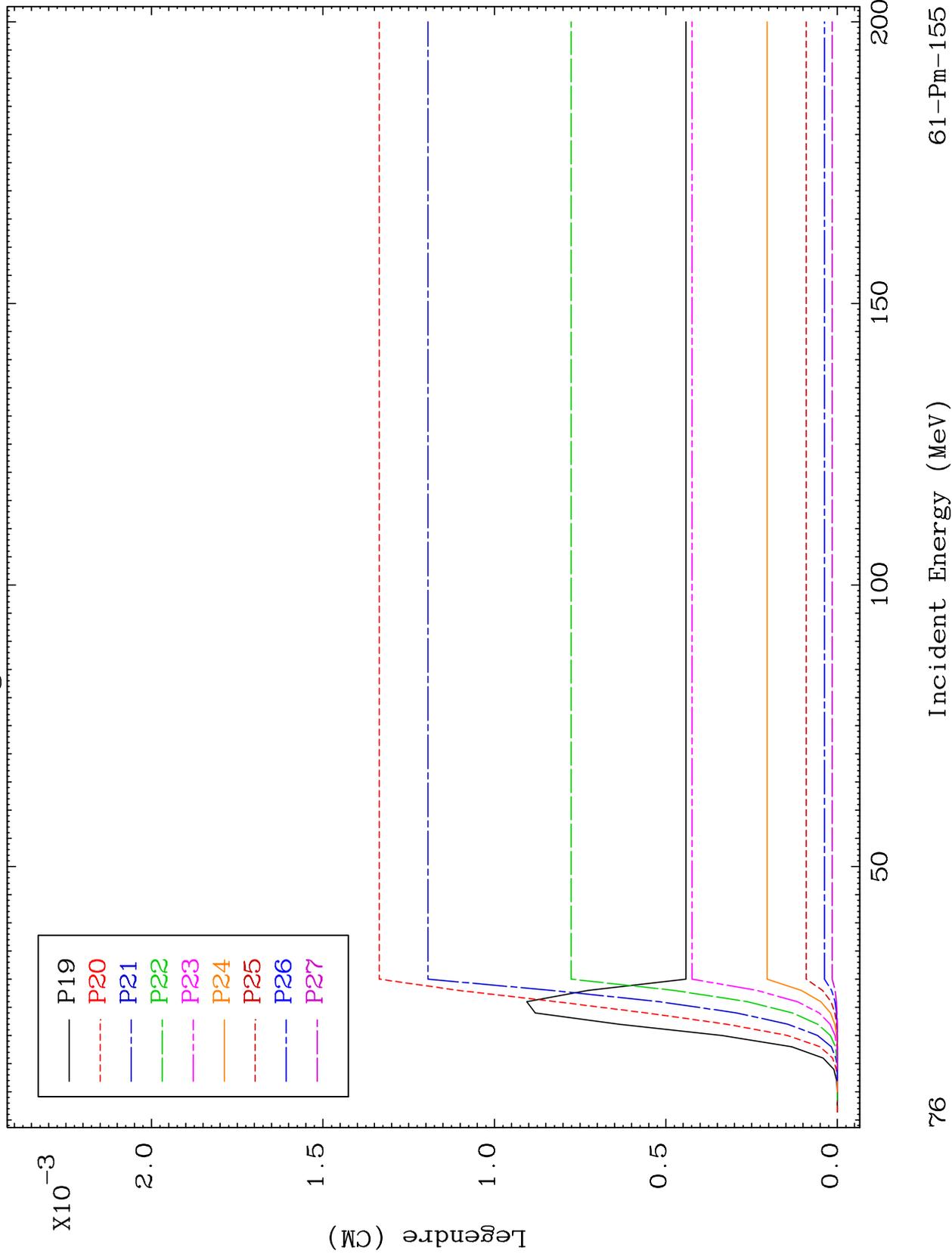
Incident Energy (MeV)

75

MAT 6173

MT= 65 (n,n') Level
Legendre Coefficients

61-Pm-155



76

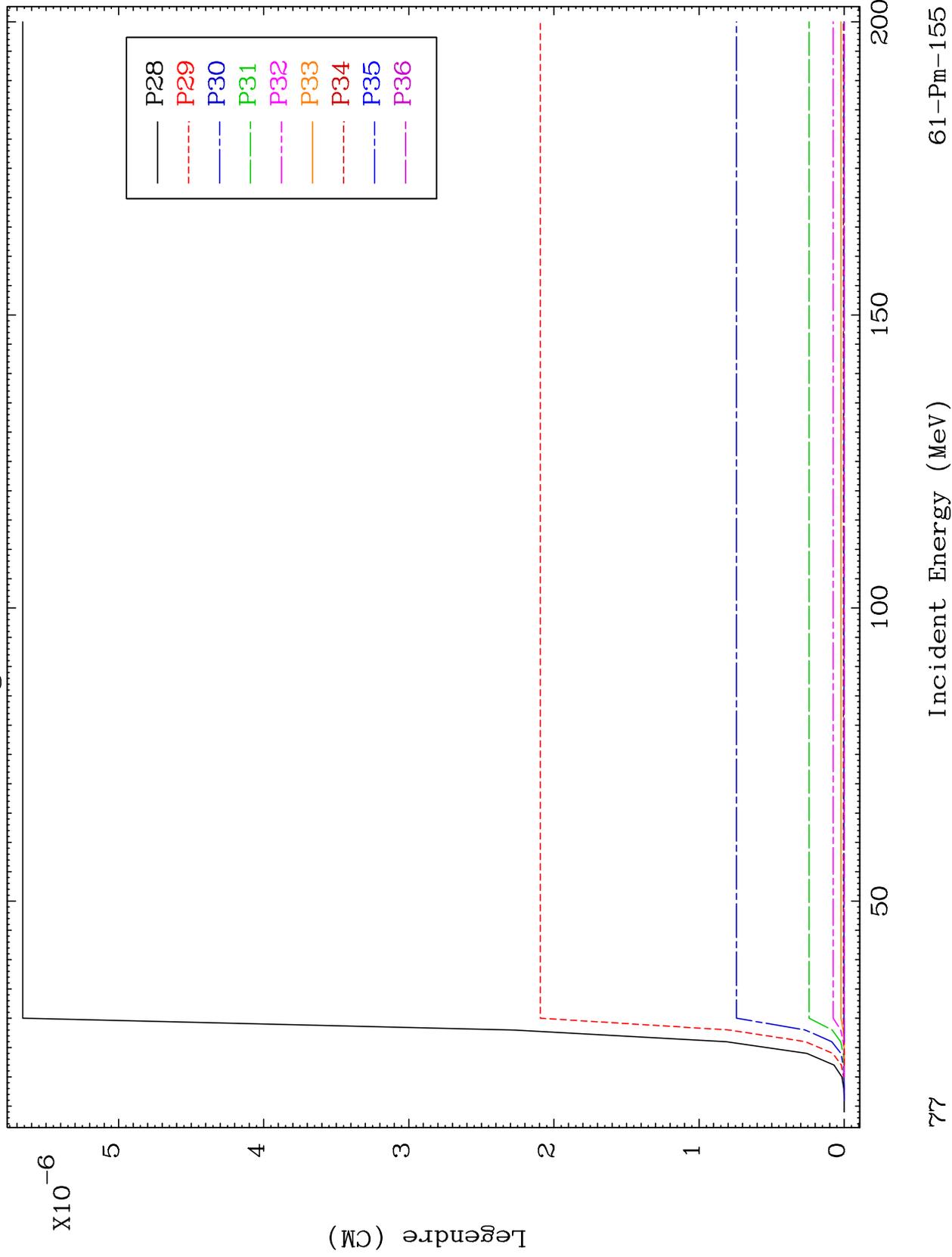
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61-Pm-155

MAT 6173

MT= 65 (n,n') Level
Legendre Coefficients

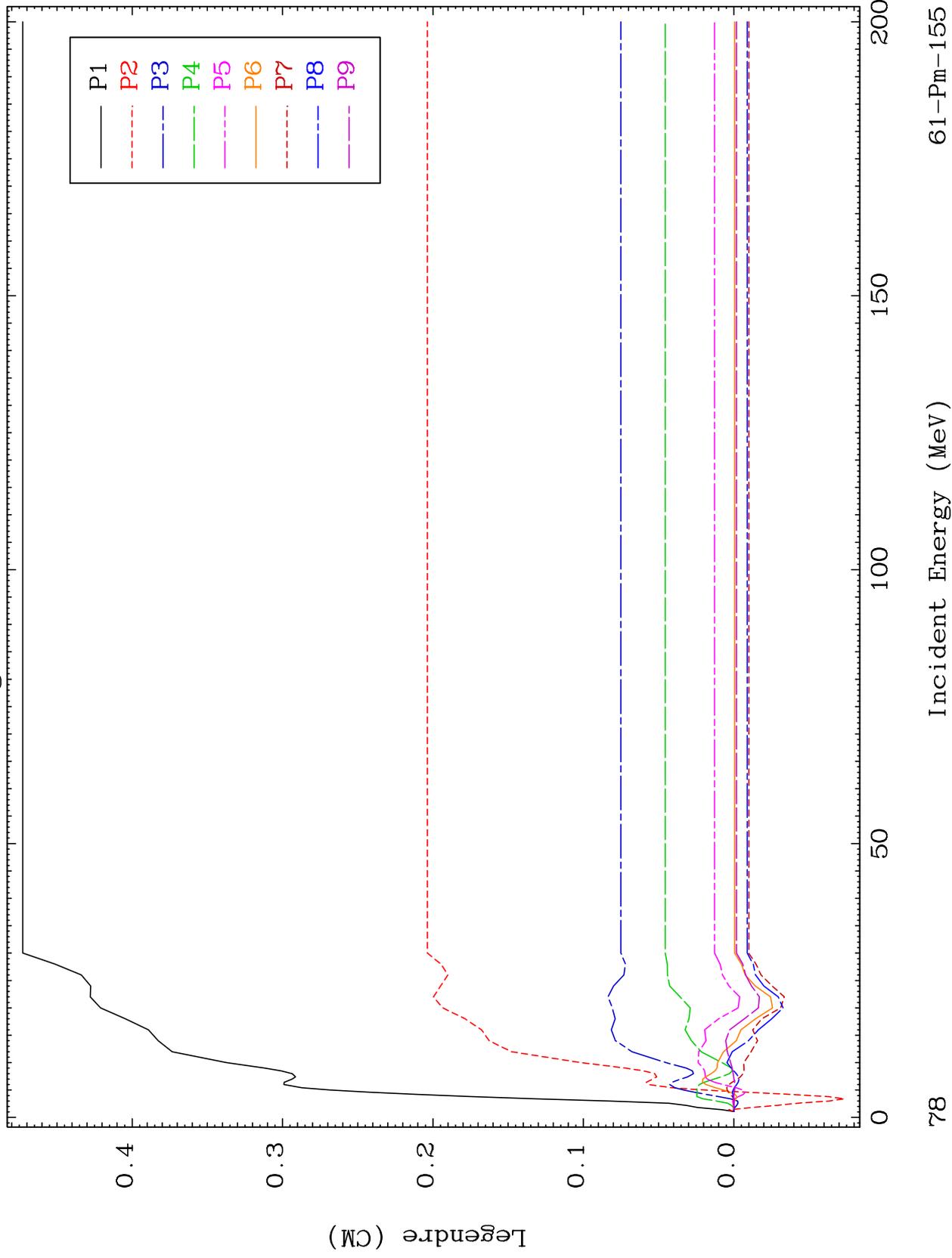
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MAT 6173

MT= 66 (n,n') Level
Legendre Coefficients

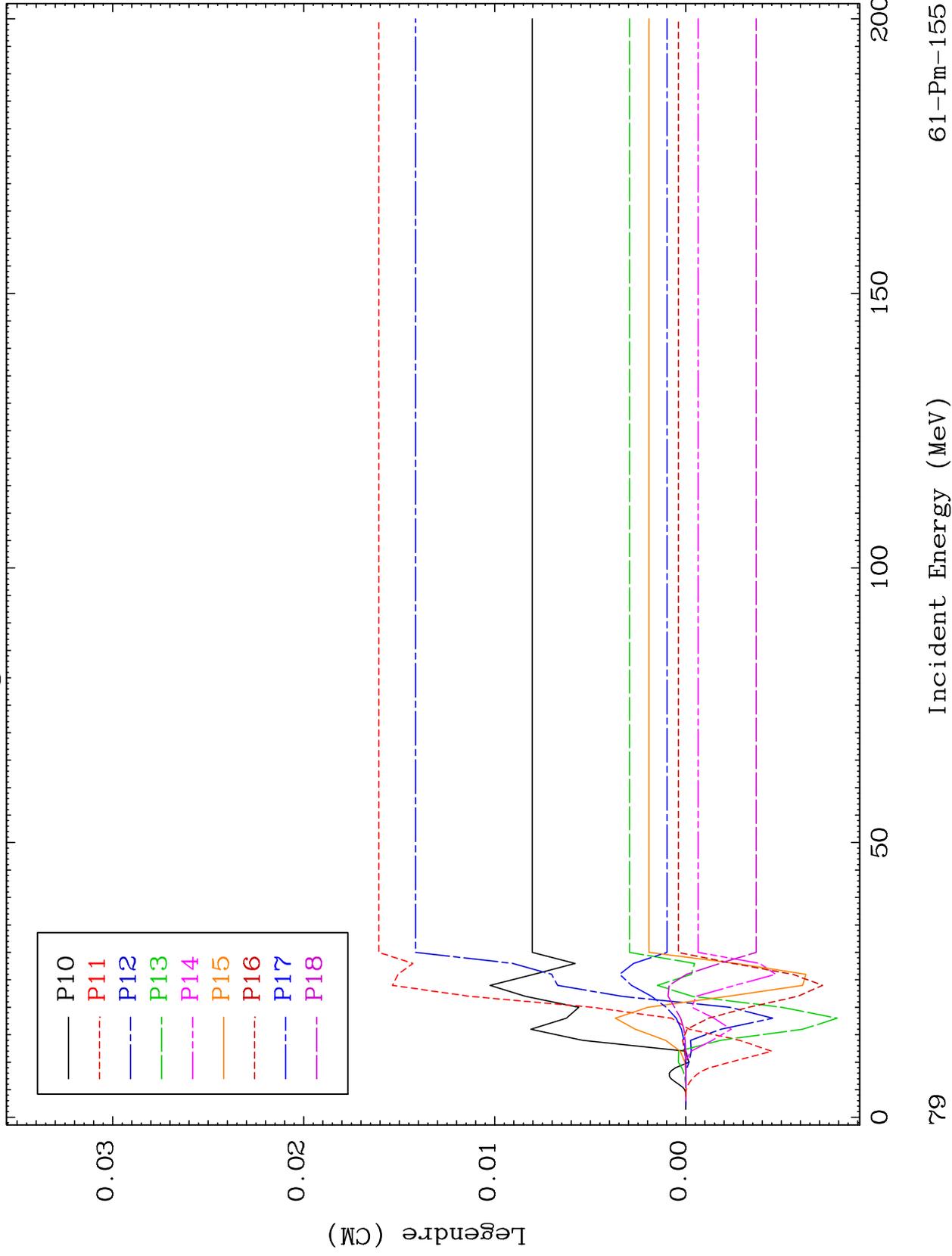
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MAT 6173

MT= 66 (n,n') Level
Legendre Coefficients

61-Pm-155



79

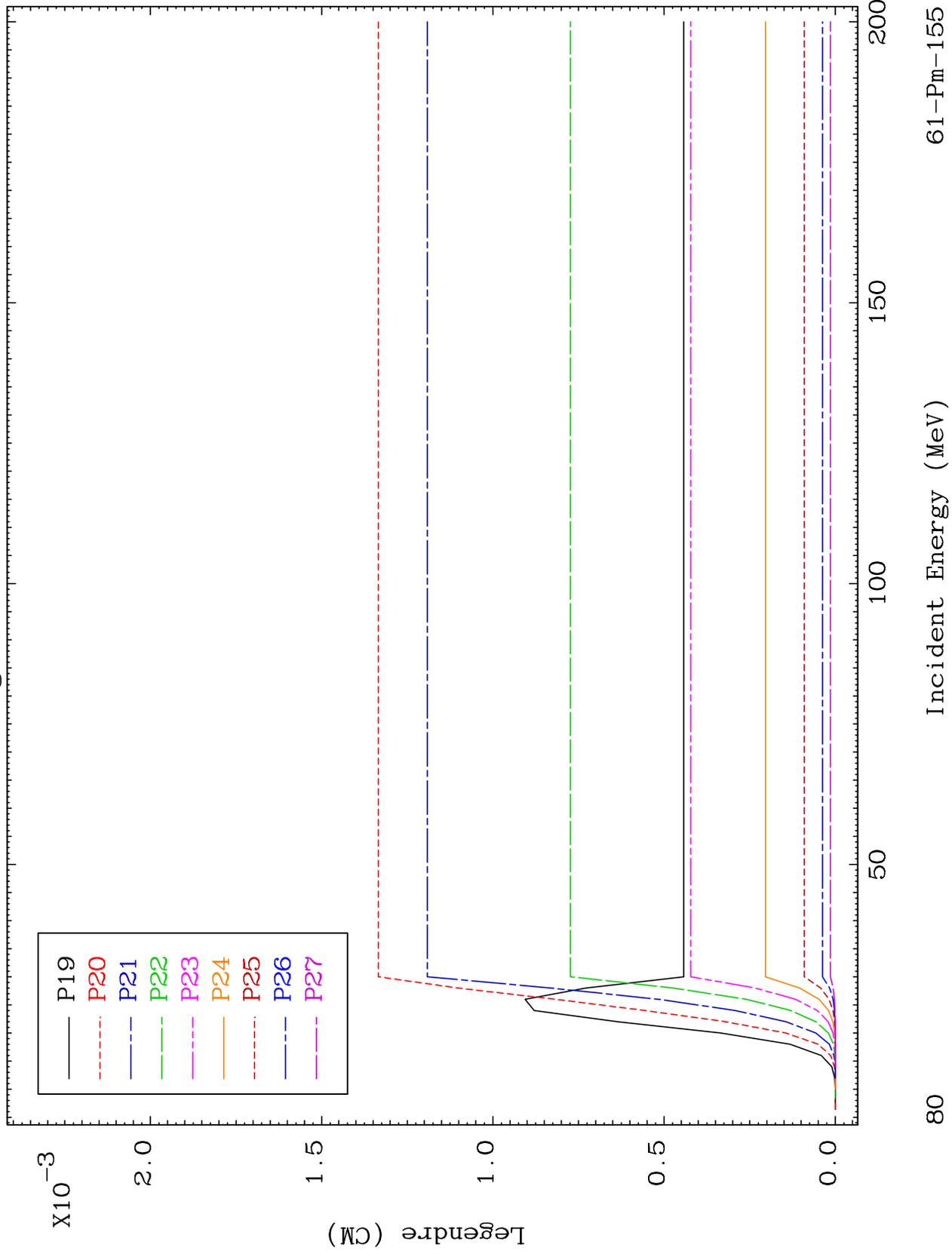
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 66 (n,n') Level
Legendre Coefficients

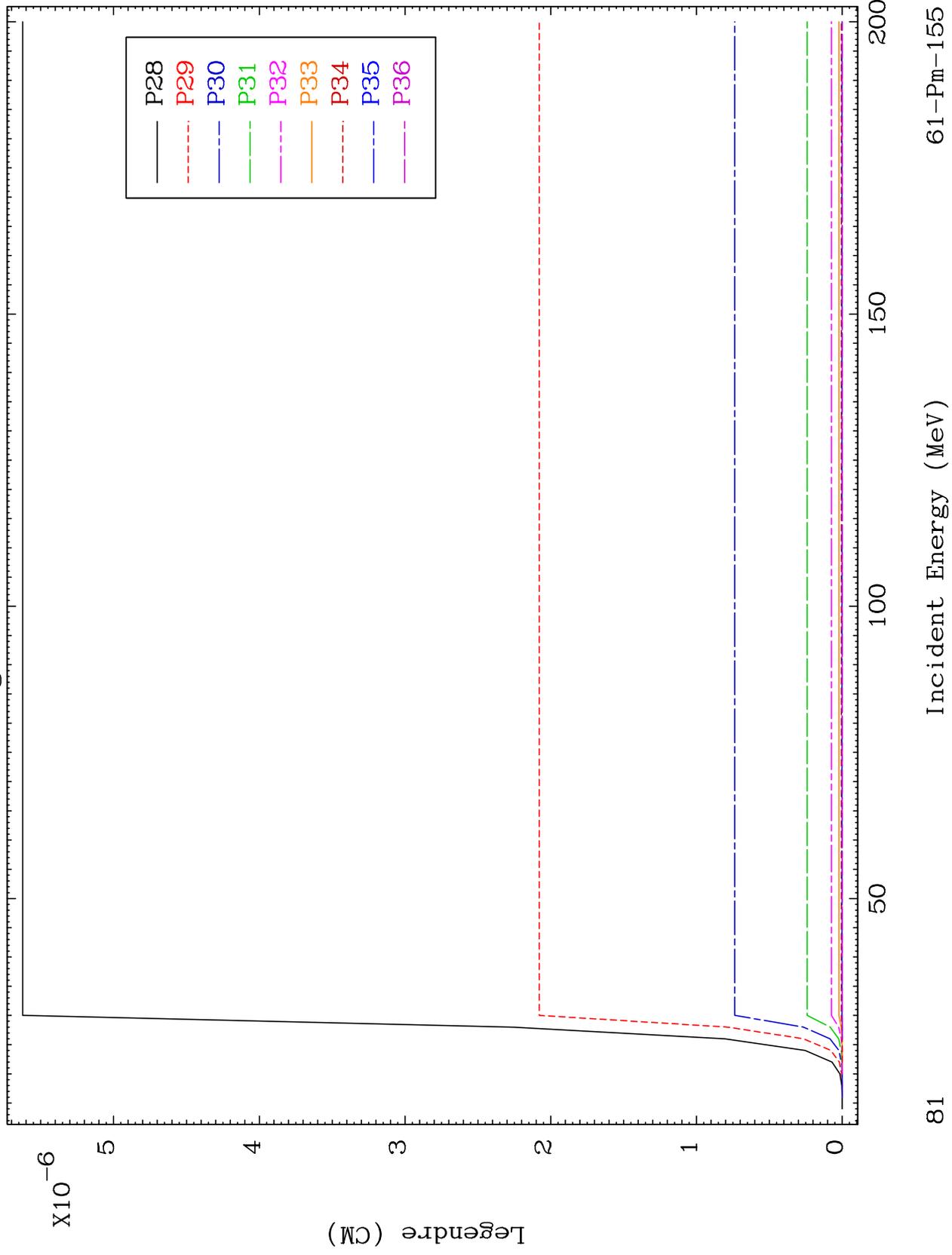
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MAT 6173

MT= 66 (n,n') Level
Legendre Coefficients

61-Pm-155



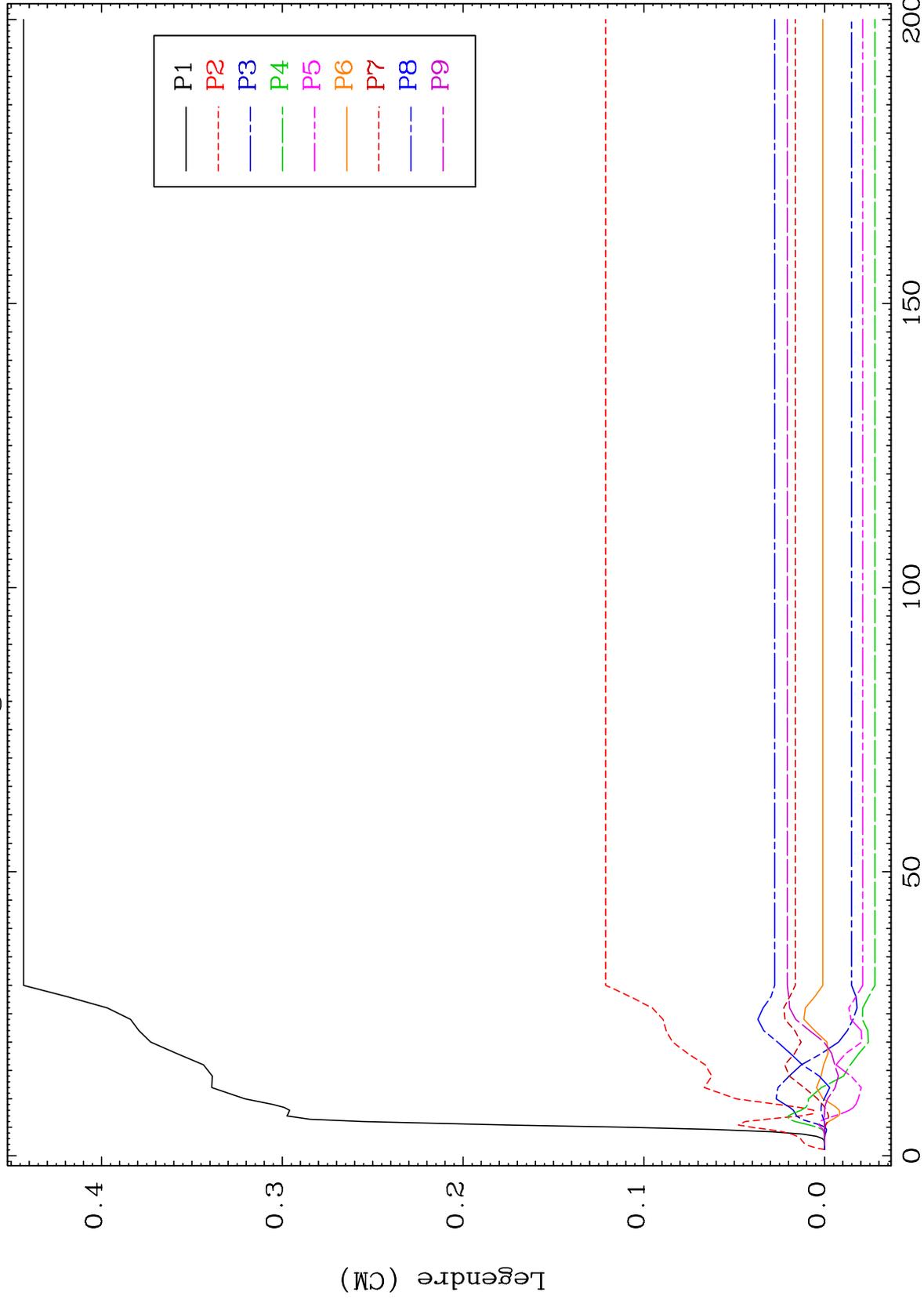
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61-Pm-155

MAT 6173

MT= 67 (n,n') Level
Legendre Coefficients

61-Pm-155



82

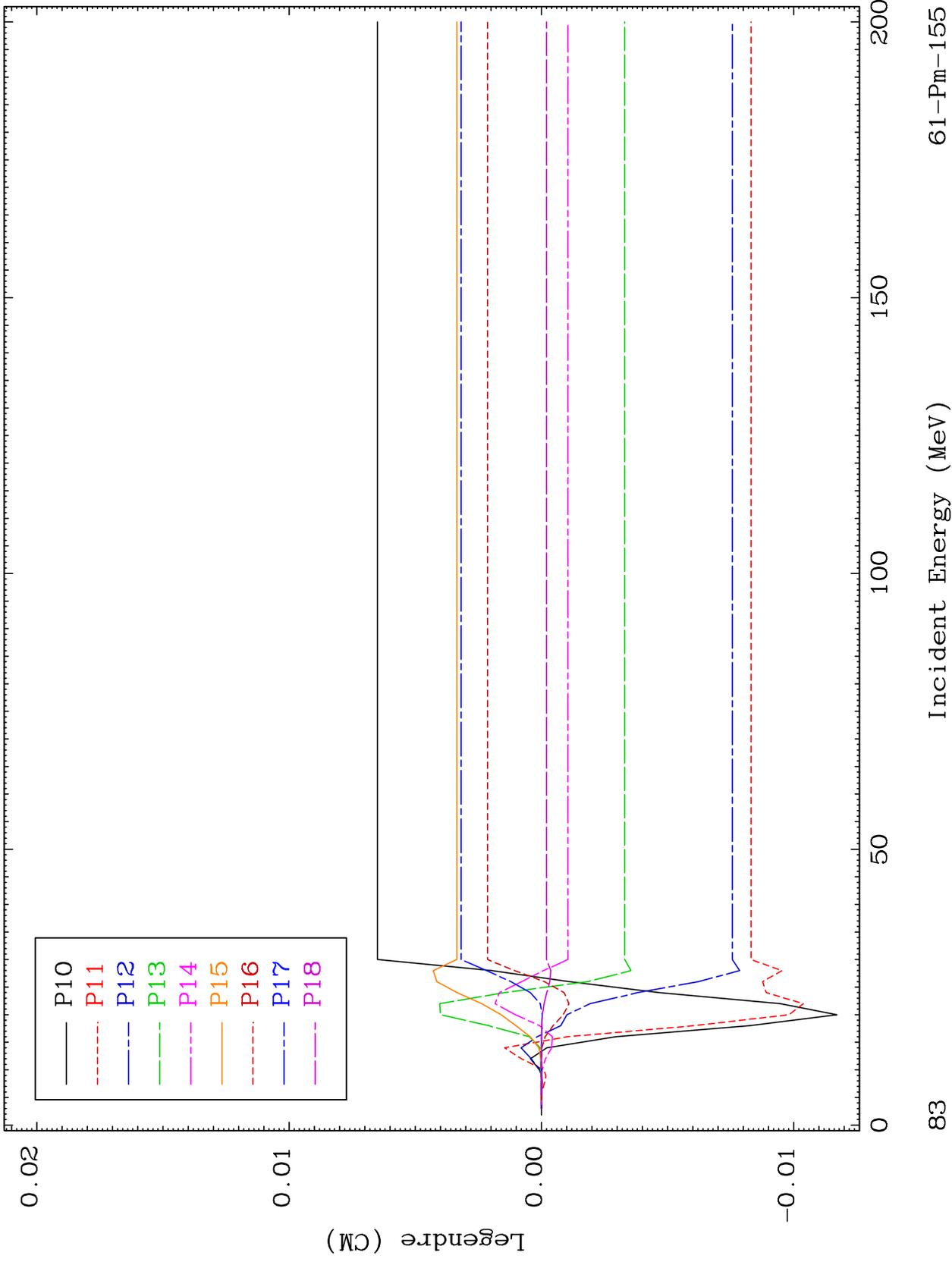
Incident Energy (MeV)

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MAT 6173

MT= 67 (n,n') Level
Legendre Coefficients

61-Pm-155



83

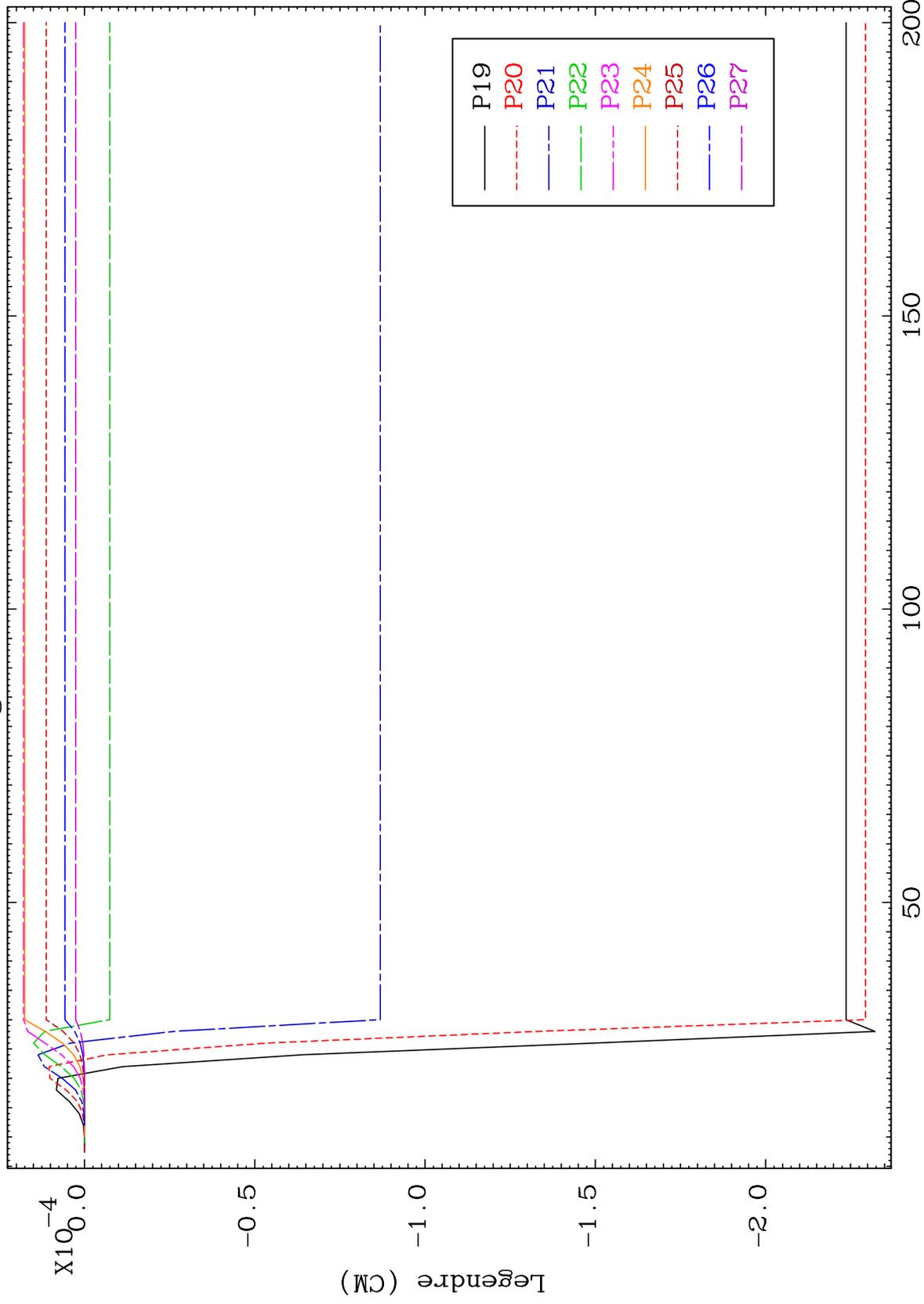
Incident Energy (MeV)

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MAT 6173

MT= 67 (n,n') Level
Legendre Coefficients

61-Pm-155



84

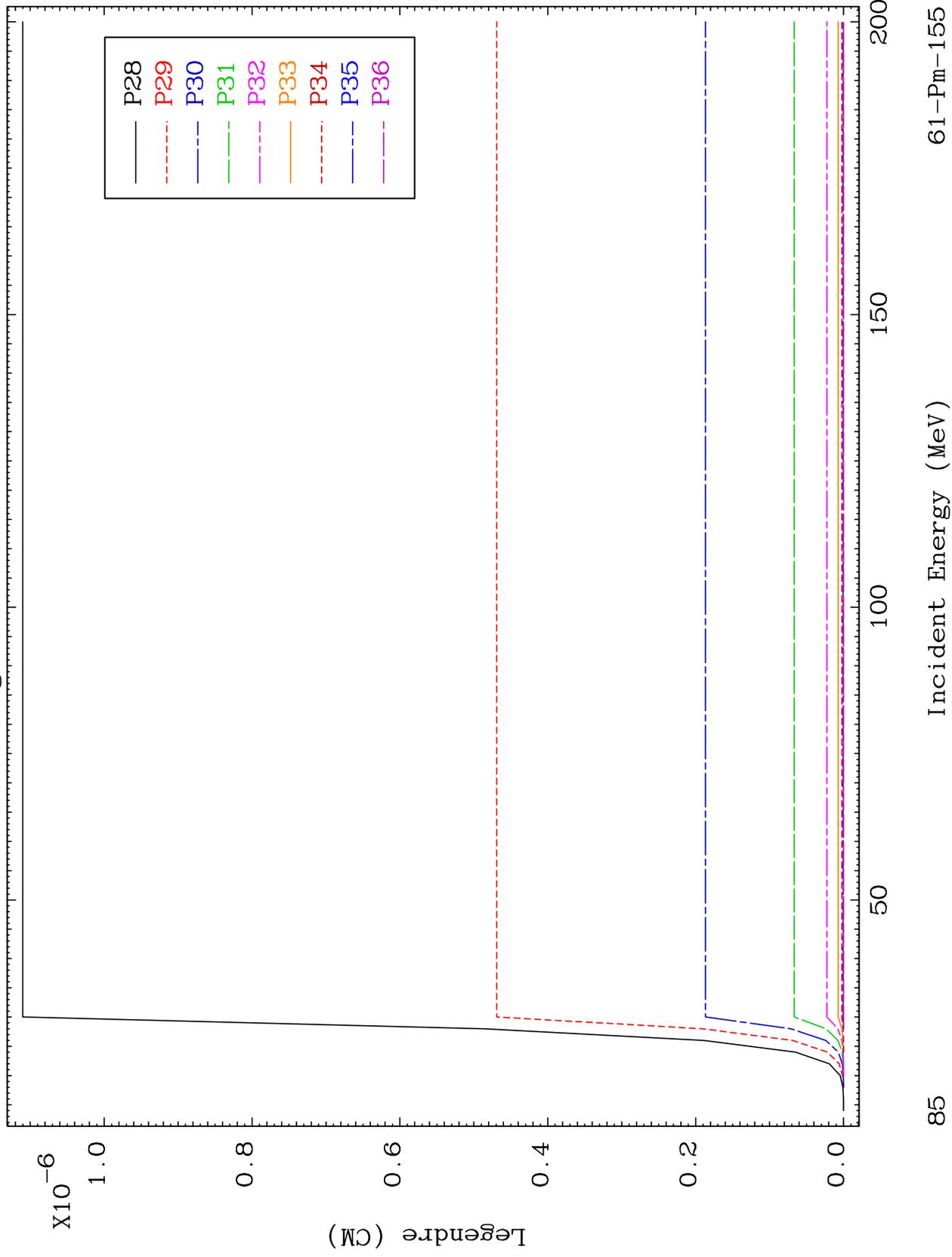
Incident Energy (MeV)

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MAT 6173

MT= 67 (n,n') Level
Legendre Coefficients

61-Pm-155



85

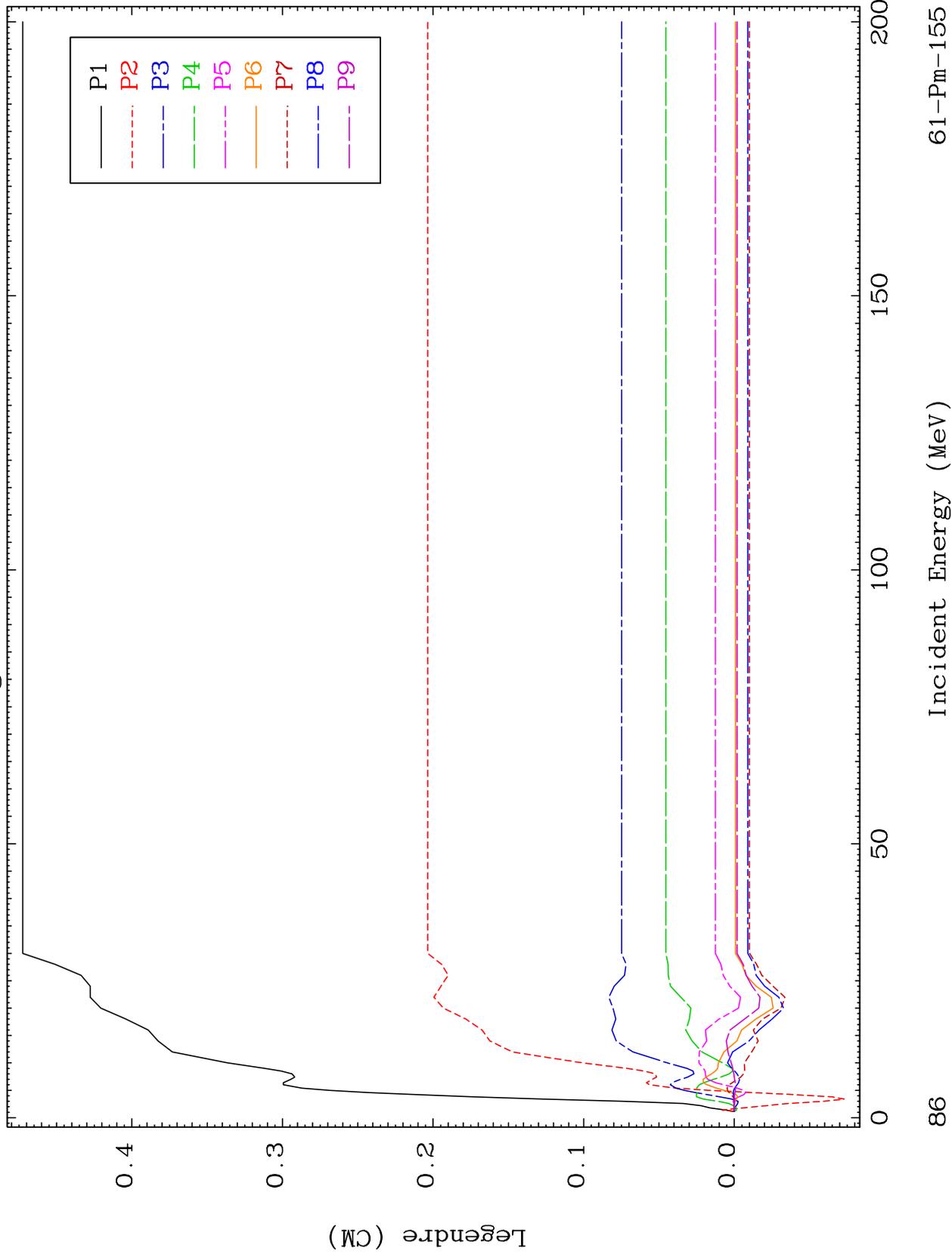
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 68 (n,n') Level
Legendre Coefficients

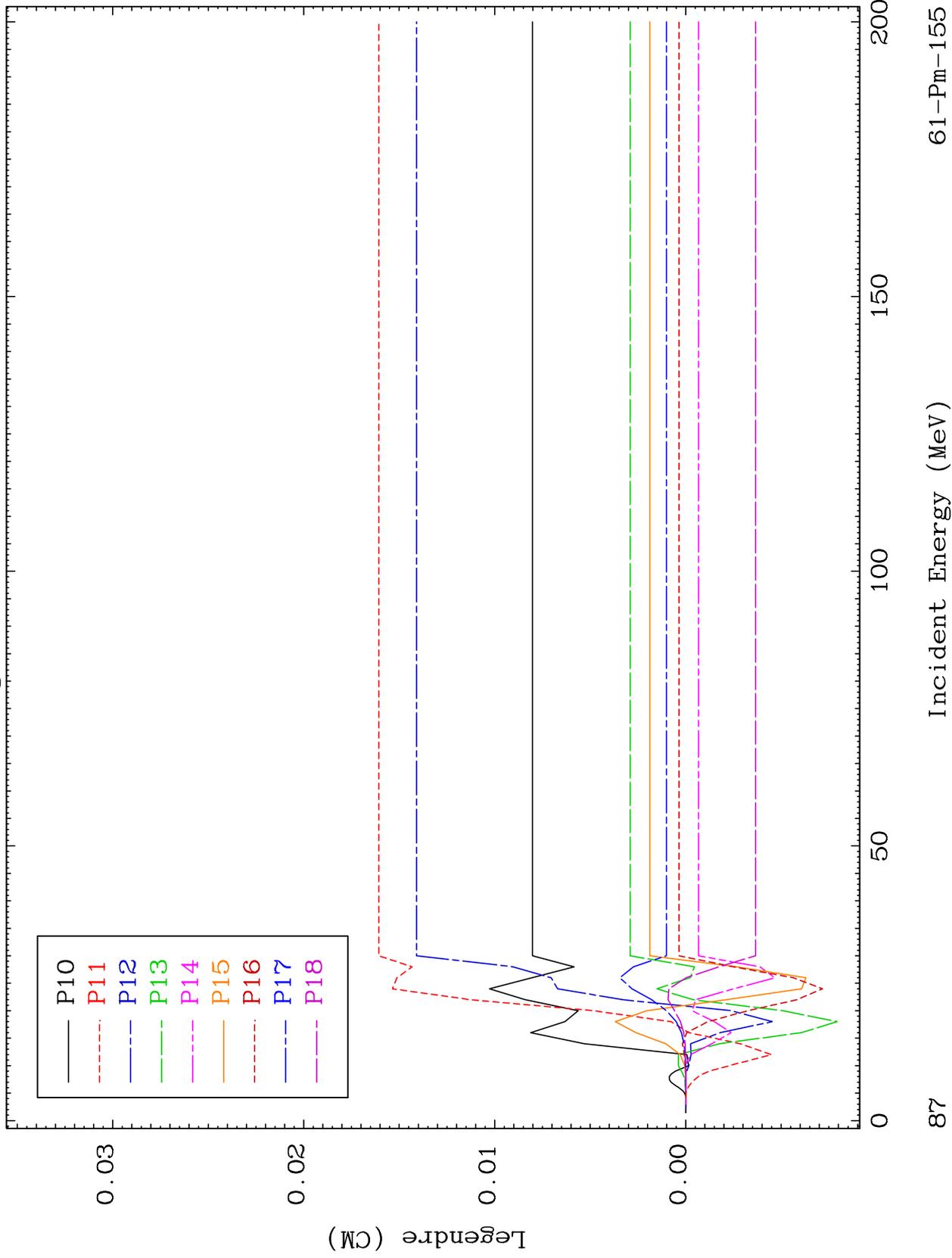
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MAT 6173

MT= 68 (n,n') Level
Legendre Coefficients

61-Pm-155



61-Pm-155

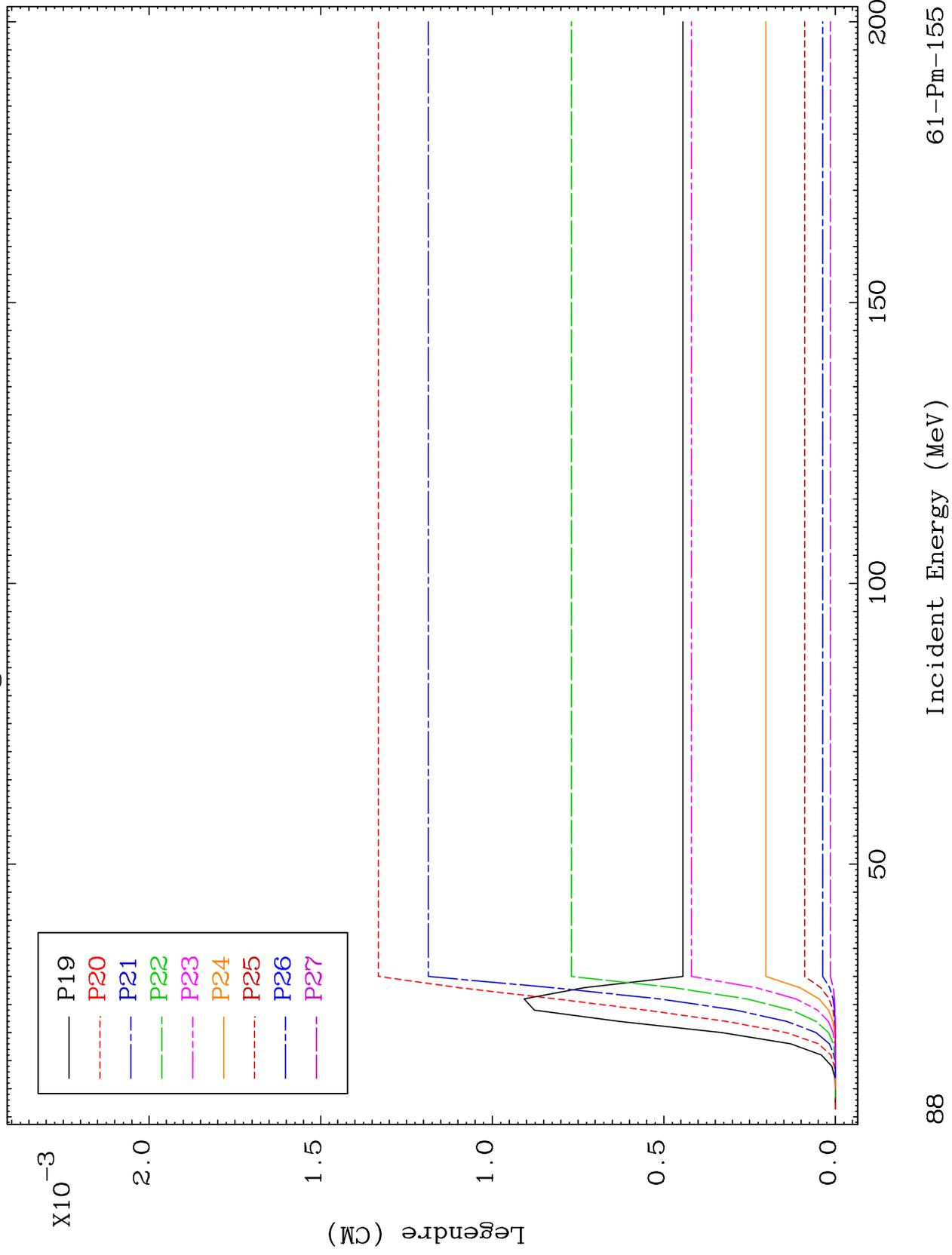
Incident Energy (MeV)

87

MAT 6173

MT= 68 (n,n') Level
Legendre Coefficients

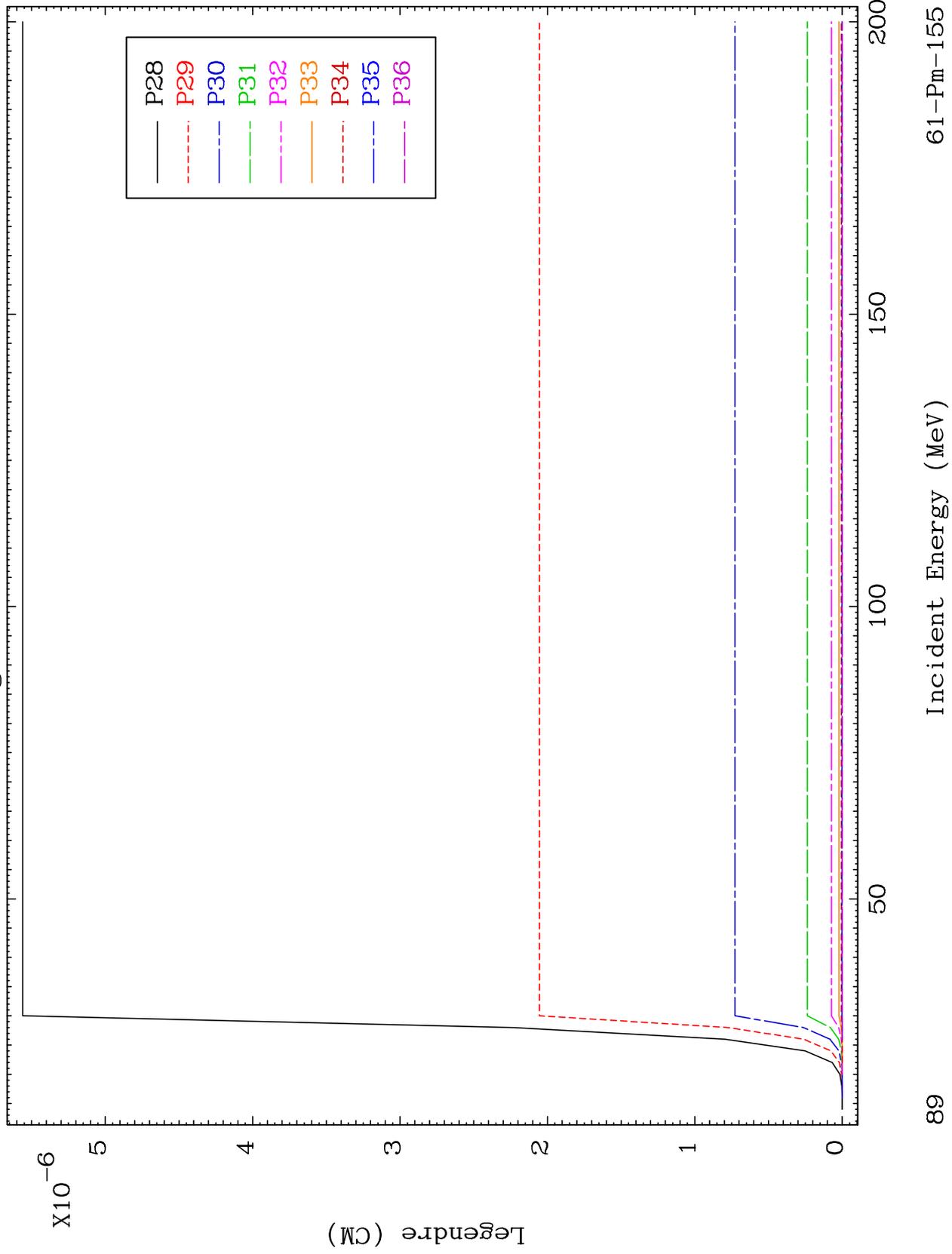
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MAT 6173

MT= 68 (n,n') Level
Legendre Coefficients

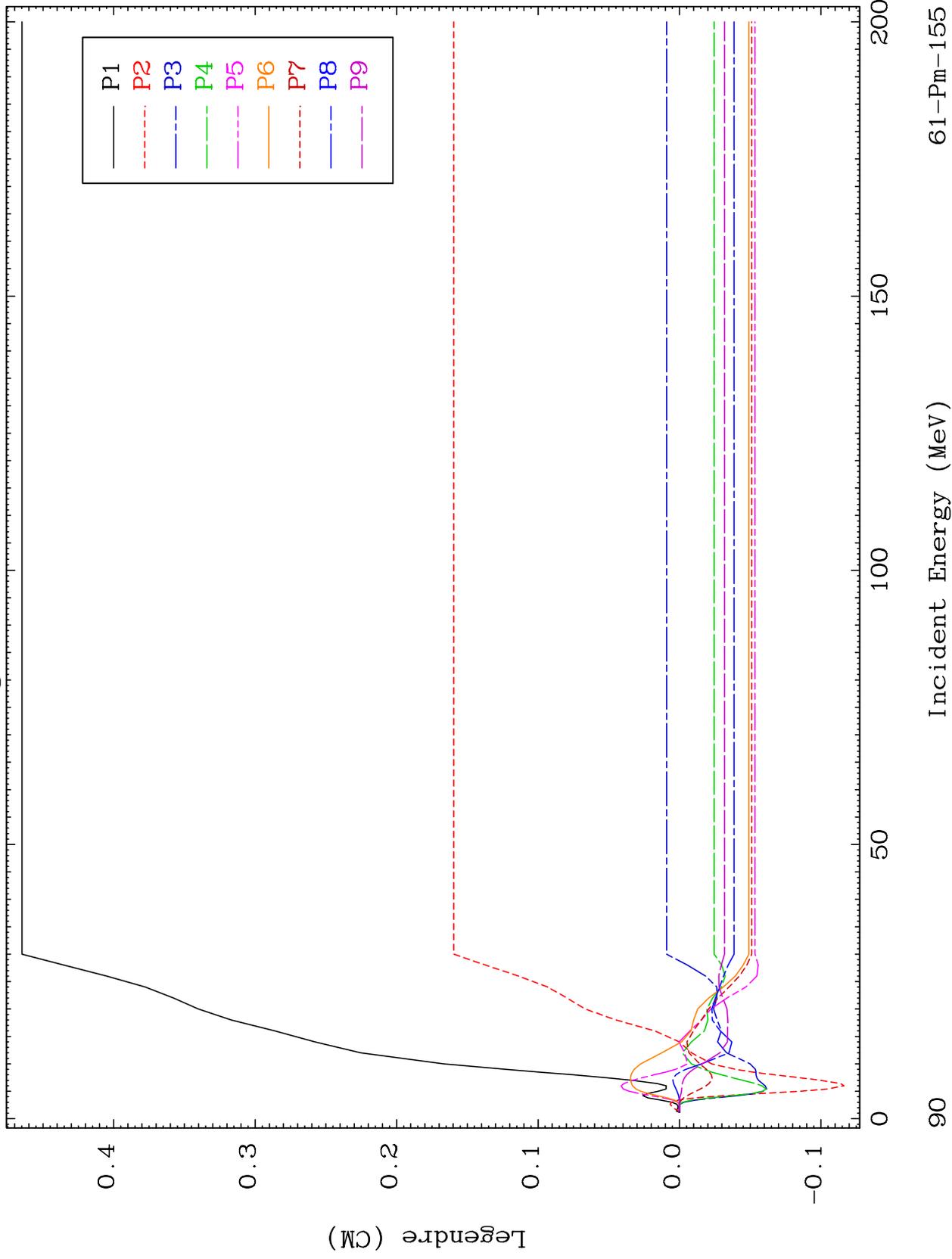
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MAT 6173

MT= 69 (n,n') Level
Legendre Coefficients

61-Pm-155

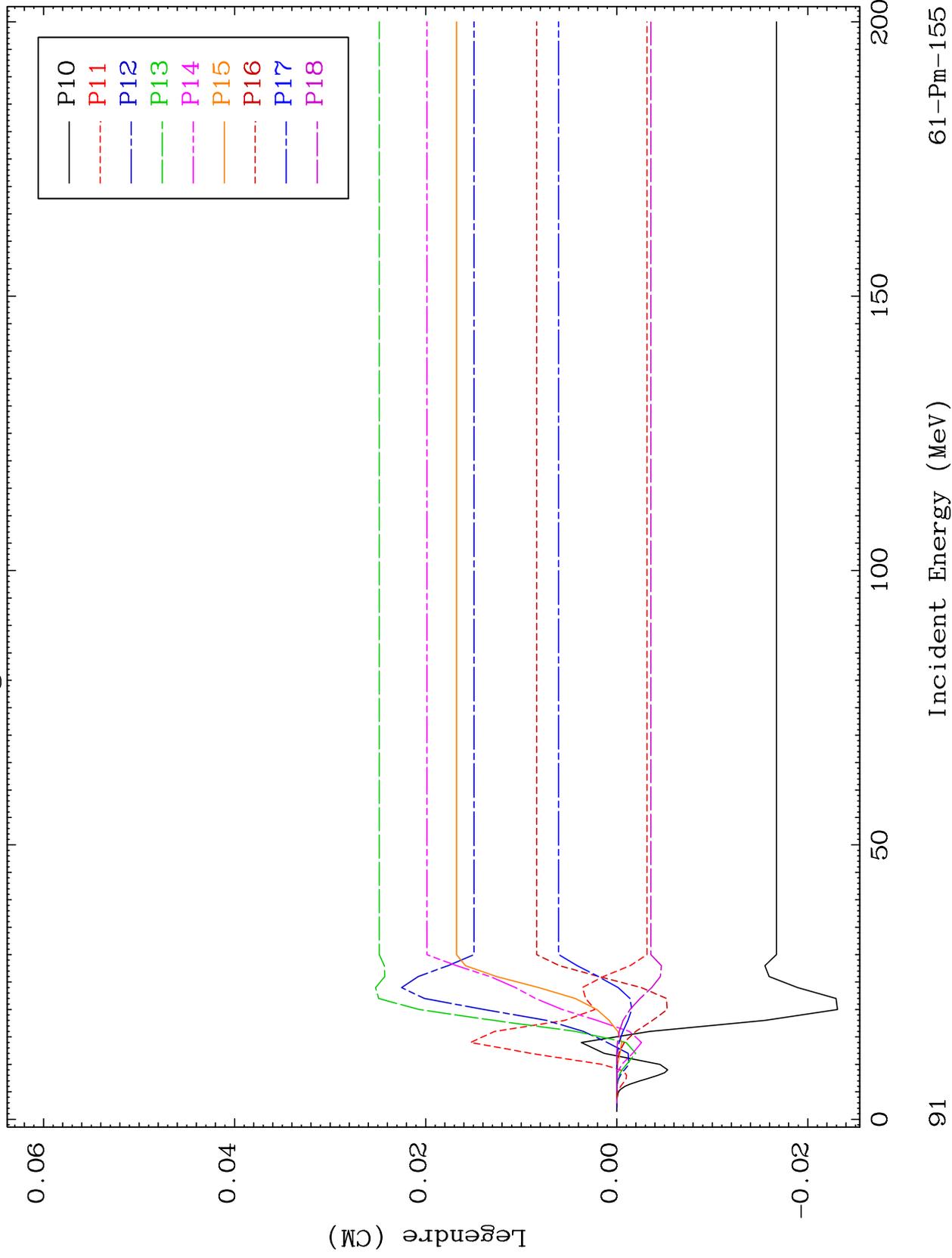


61-Pm-155

MAT 6173

MT= 69 (n,n') Level
Legendre Coefficients

61-Pm-155



91

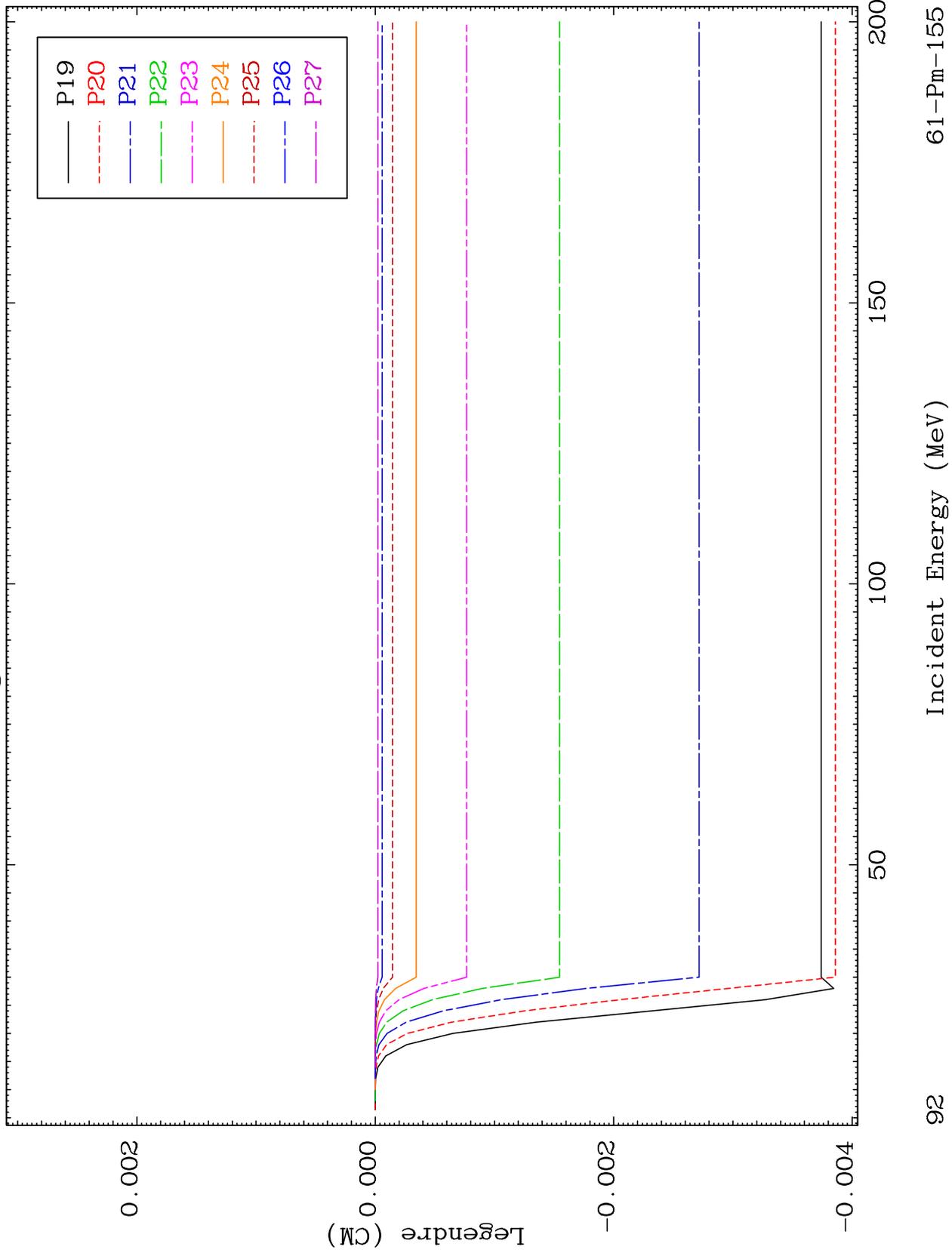
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 69 (n,n') Level
Legendre Coefficients

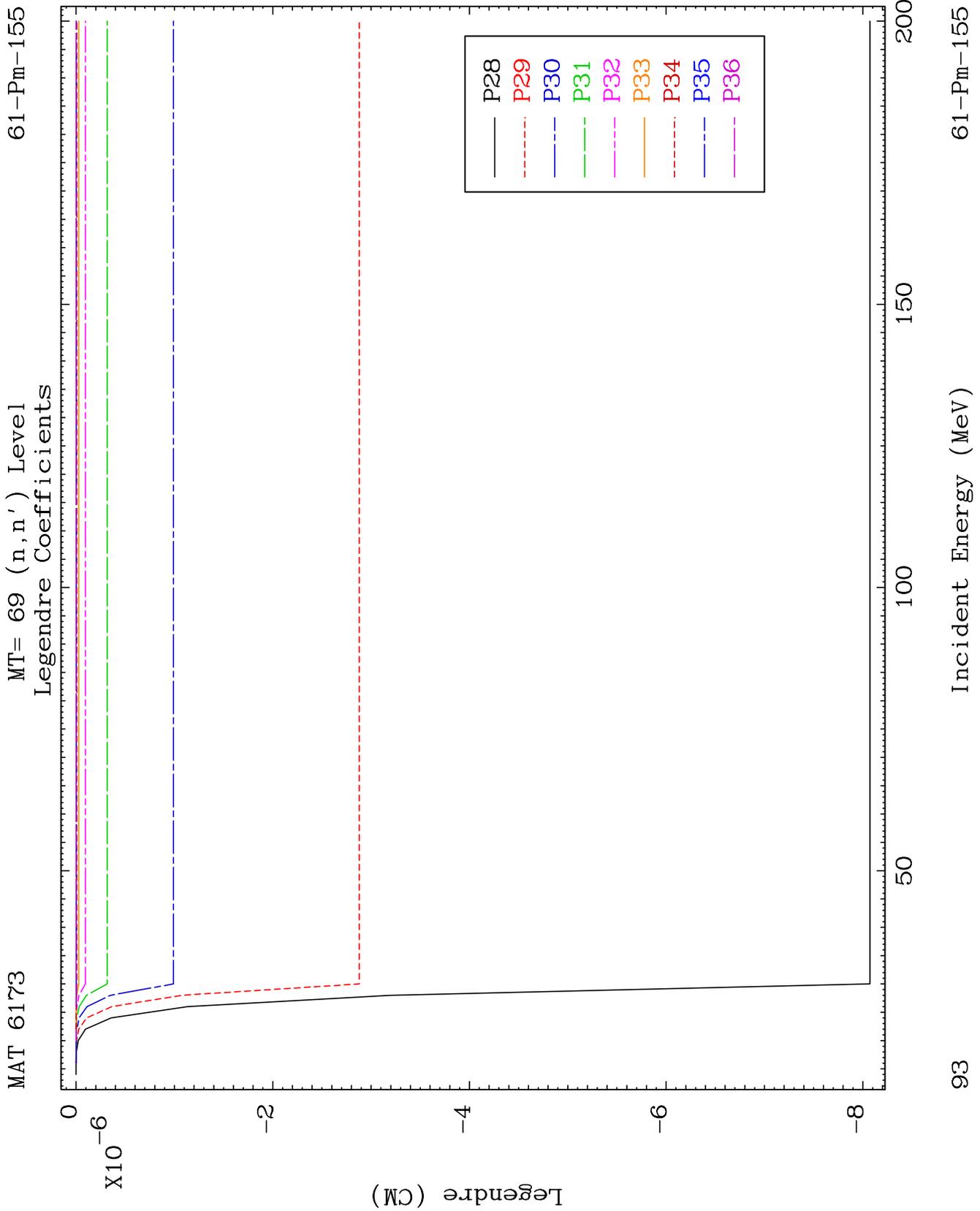
61-Pm-155



92

Incident Energy (MeV)

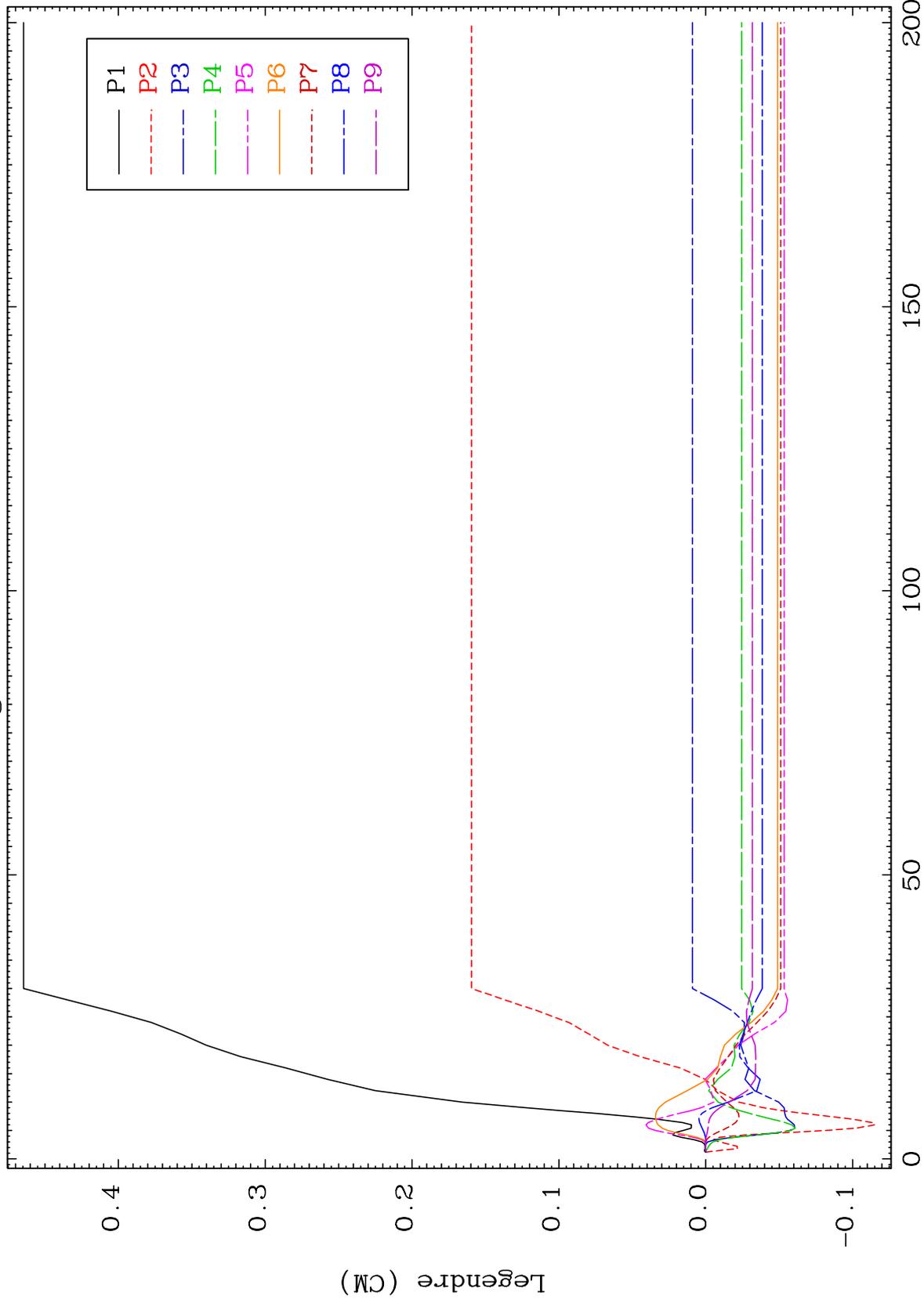
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MAT 6173

MT= 70 (n,n') Level
Legendre Coefficients

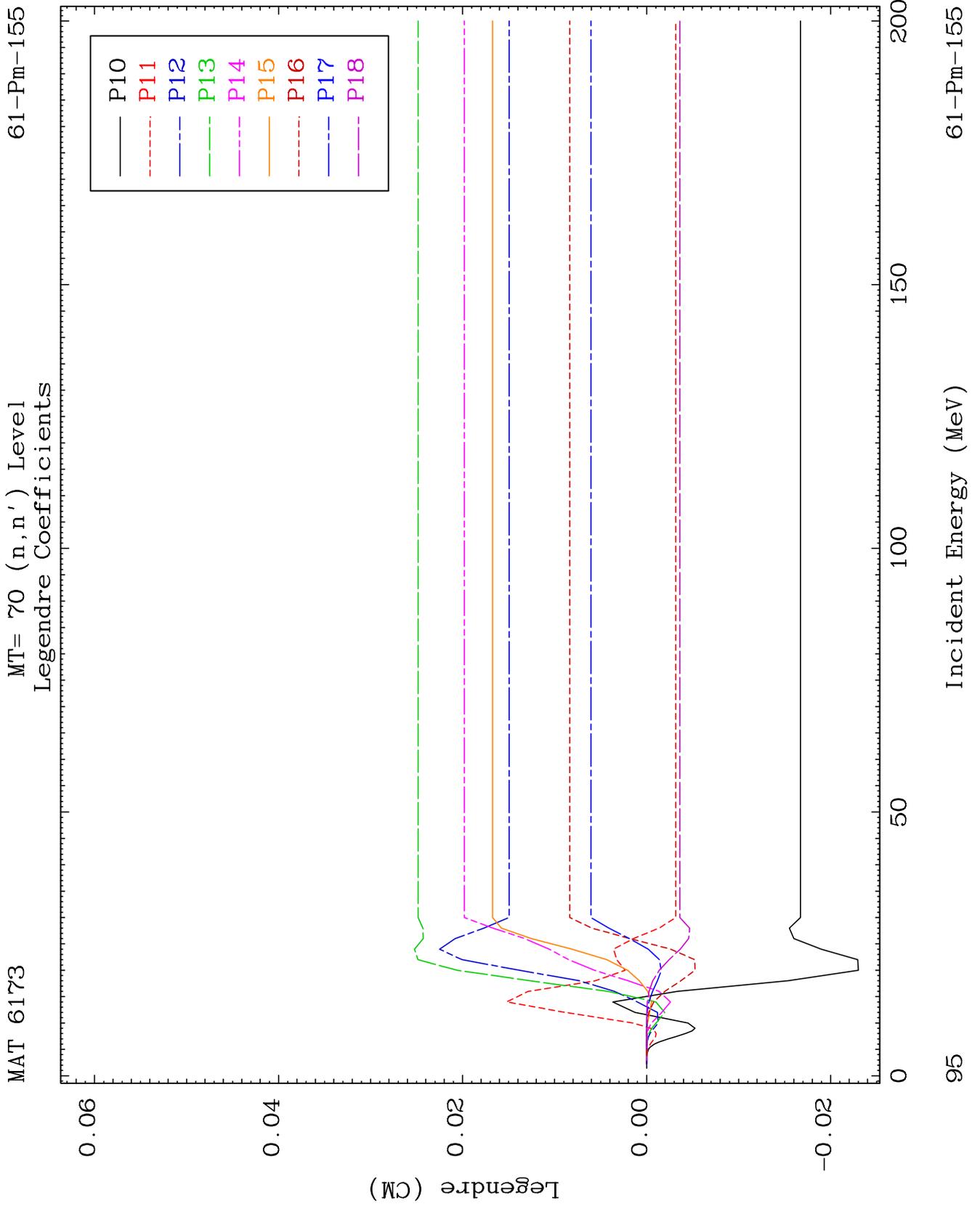
61-Pm-155



94

Incident Energy (MeV)

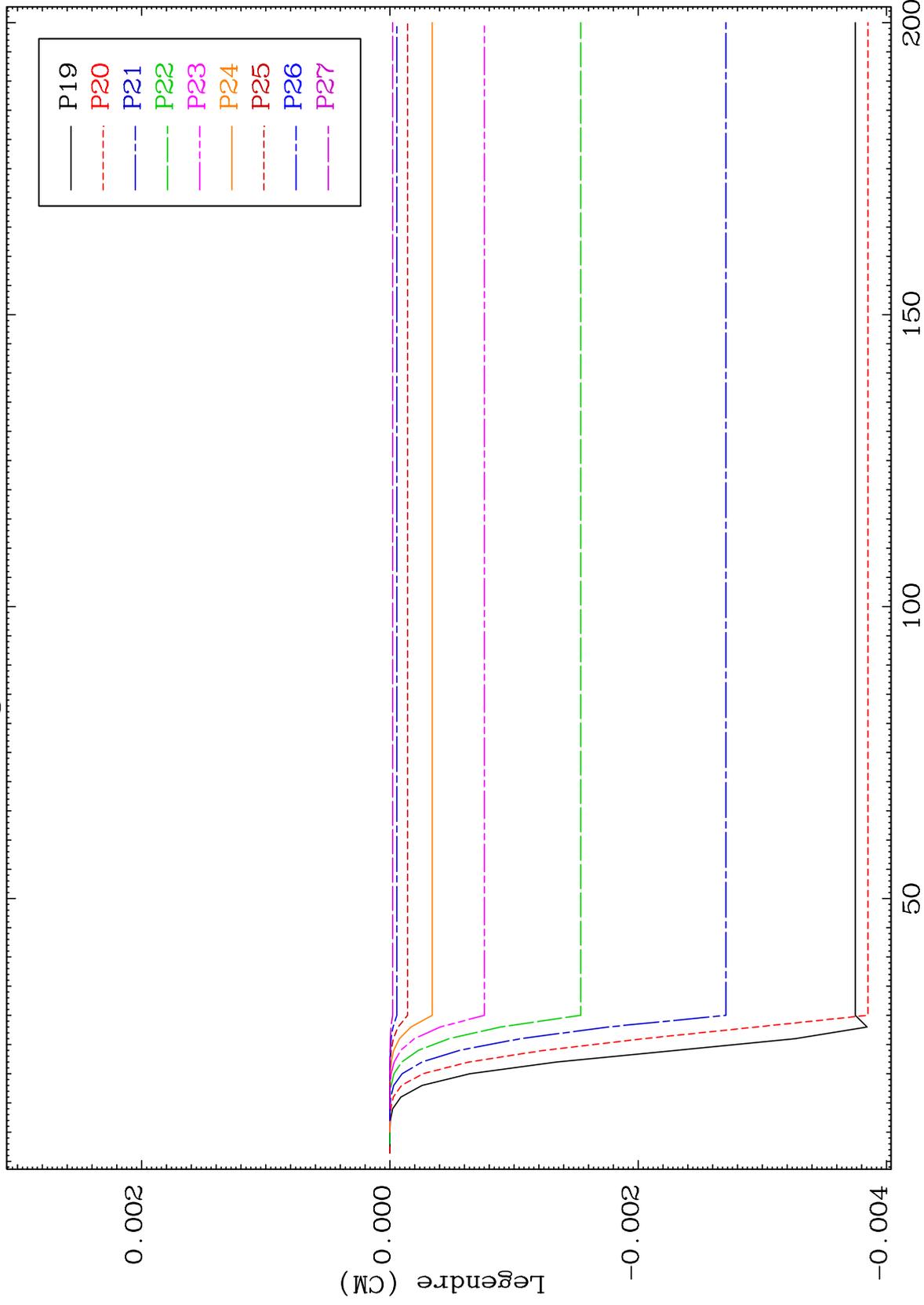
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MAT 6173

MT= 70 (n,n') Level
Legendre Coefficients

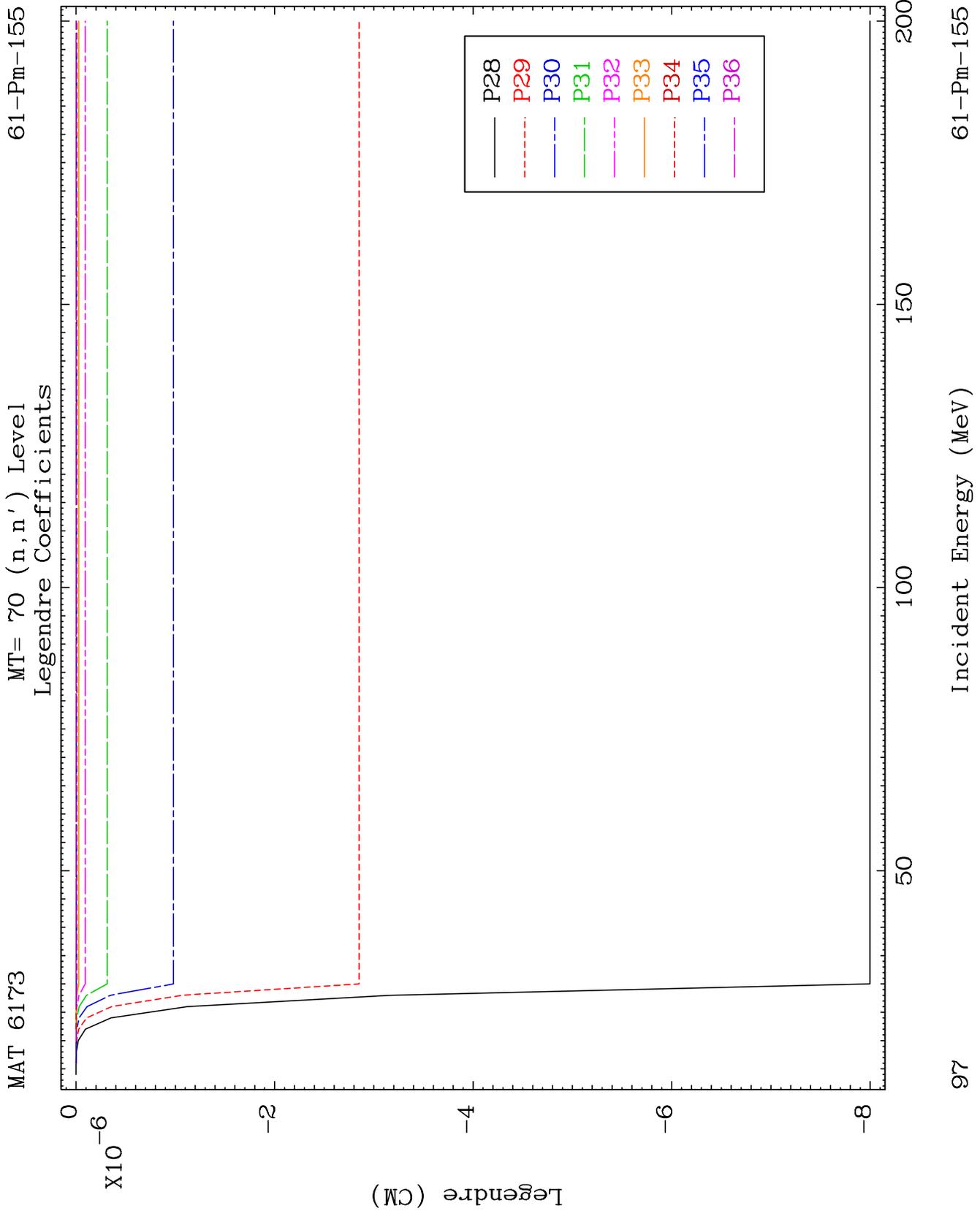
61-Pm-155



96

Incident Energy (MeV)

61-Pm-155

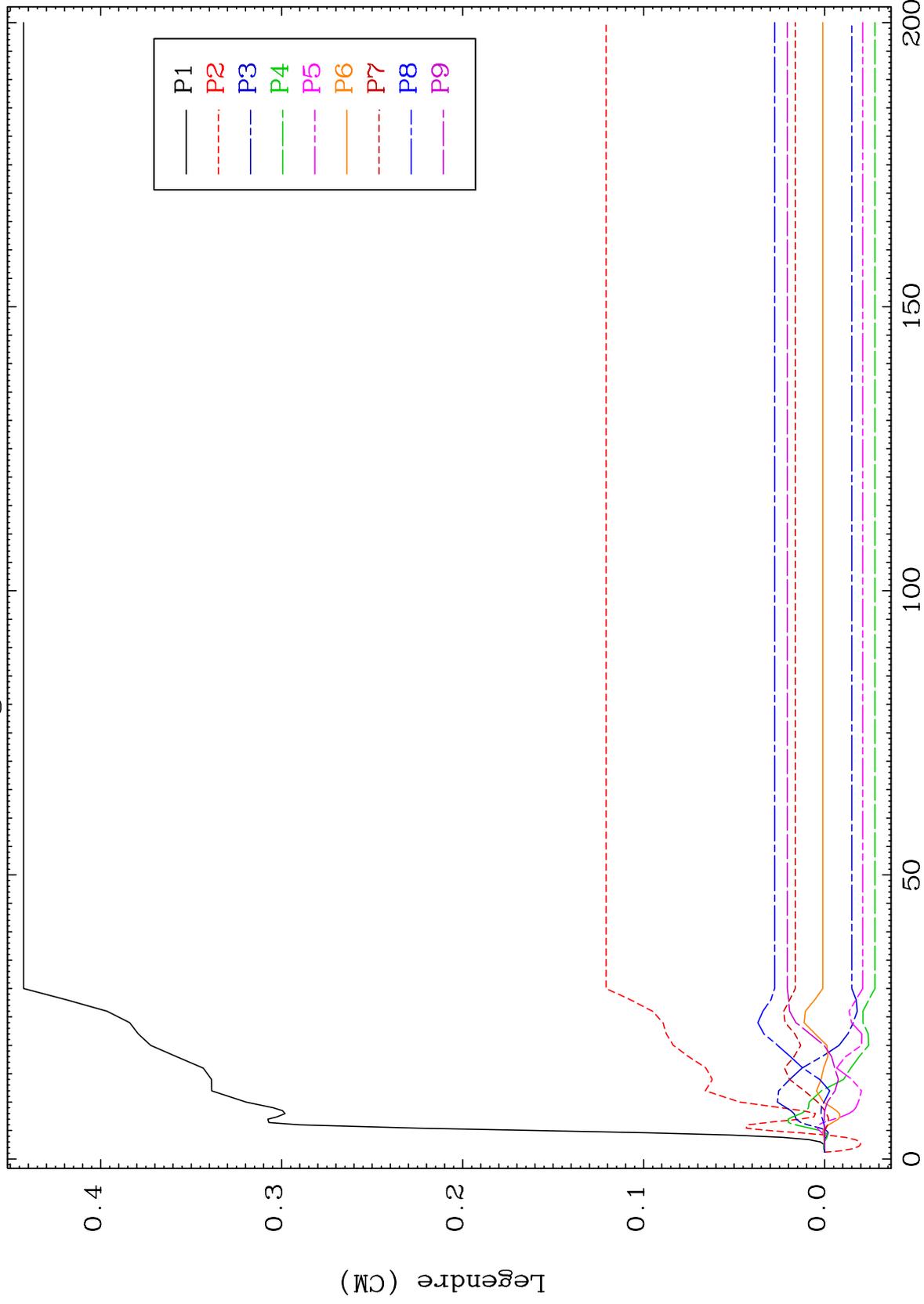


MAT 6173

MT= 71 (n,n') Level

61-Pm-155

Legendre Coefficients



98

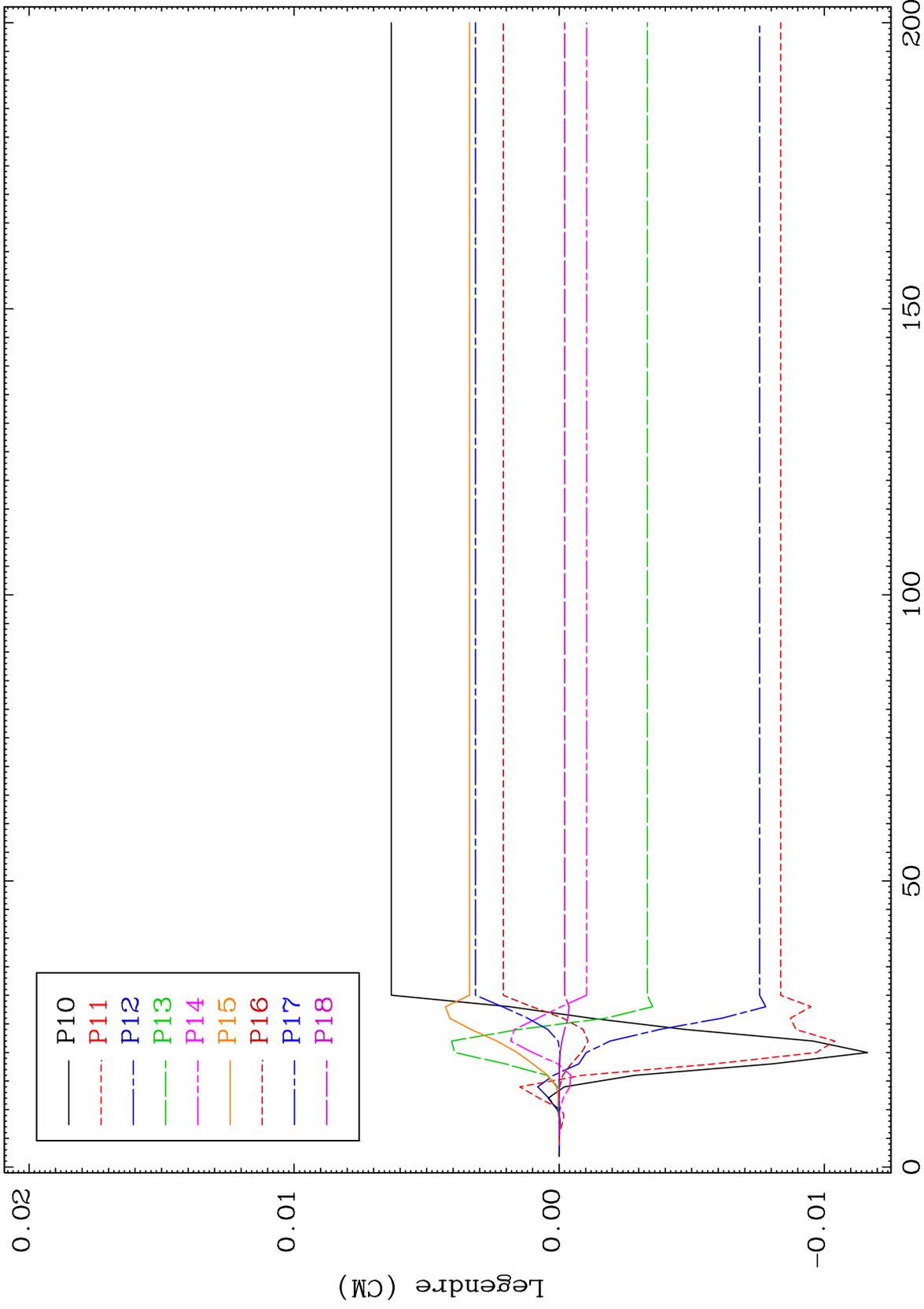
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 71 (n,n') Level
Legendre Coefficients

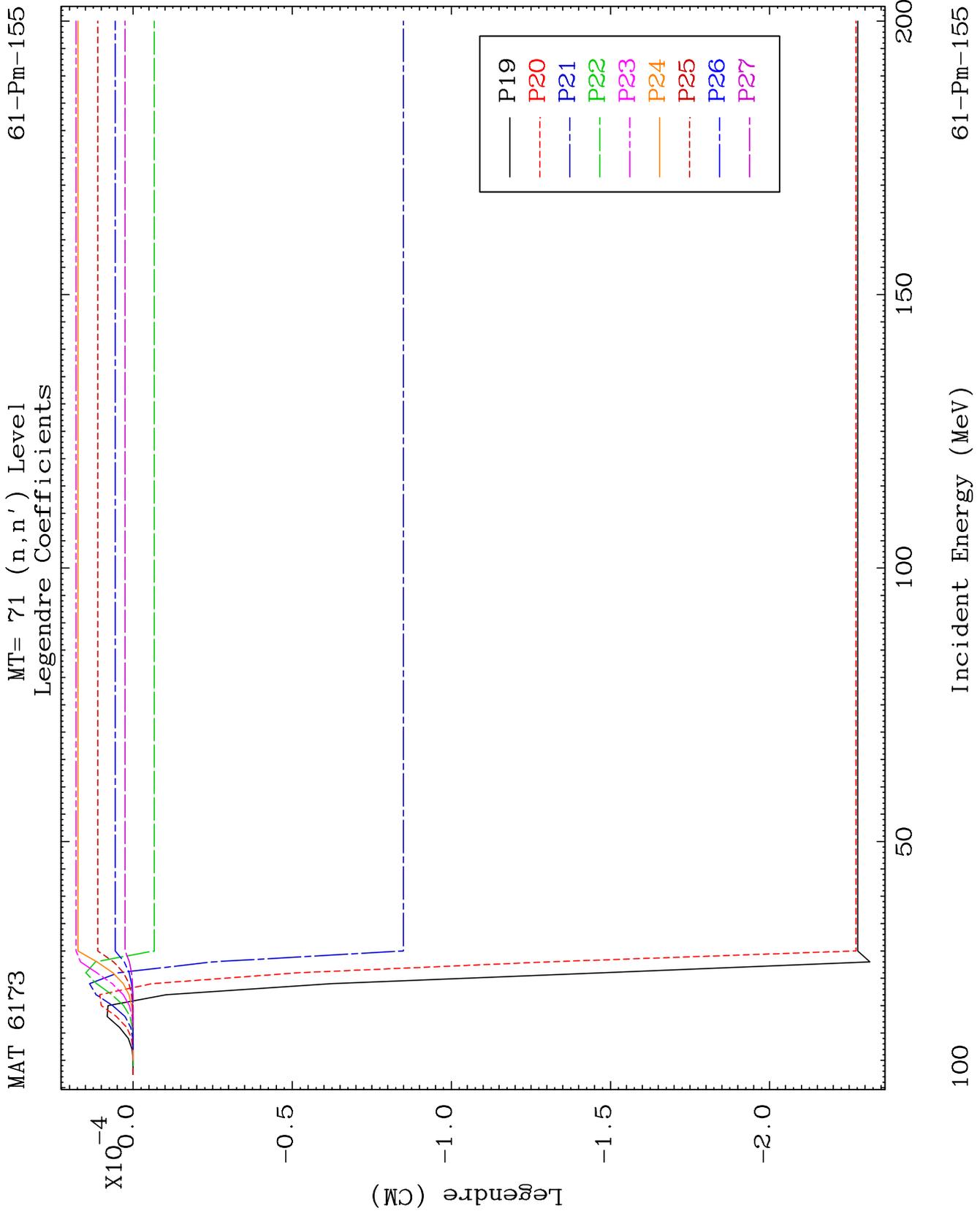
61-Pm-155



99

Incident Energy (MeV)

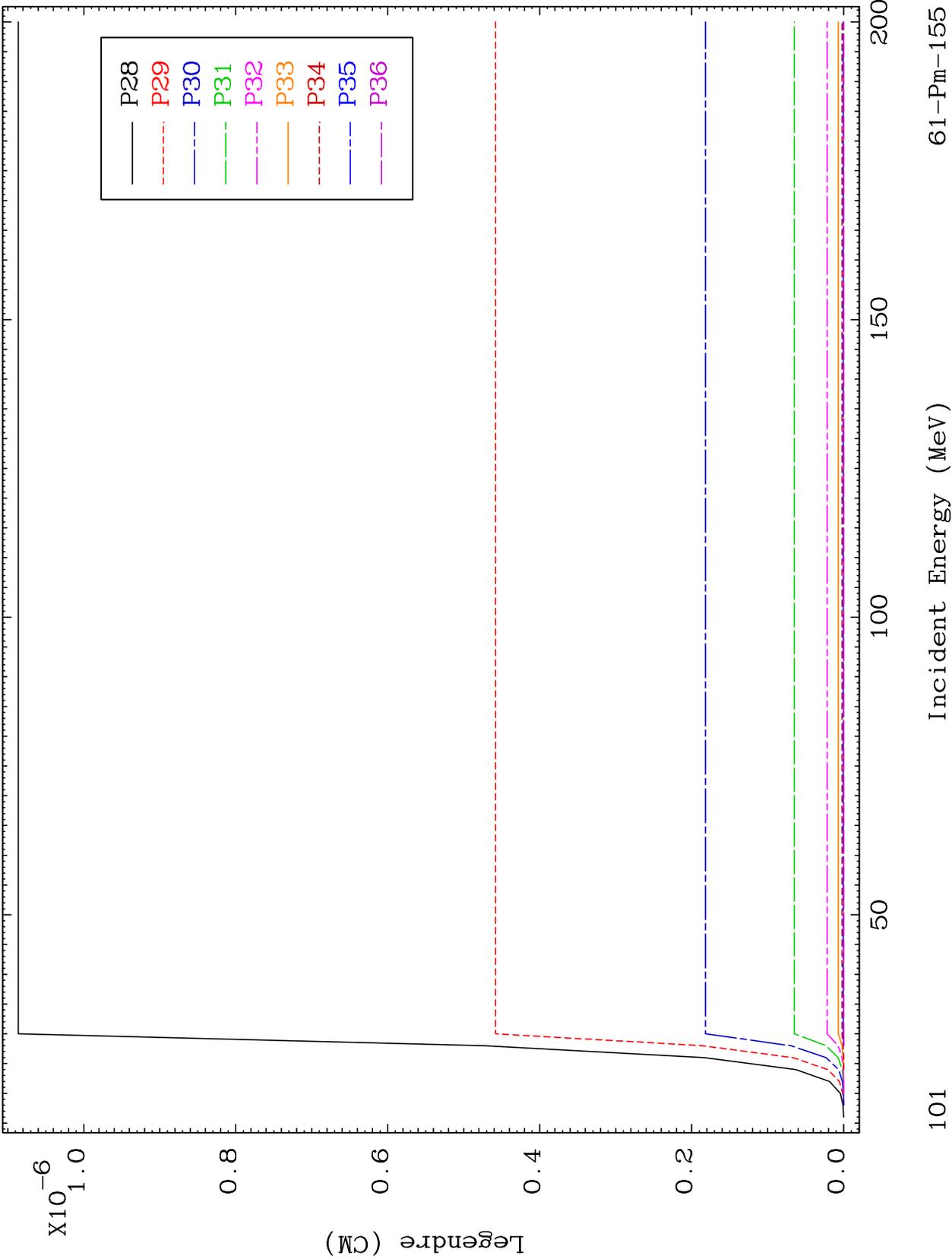
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MAT 6173

MT= 71 (n,n') Level
Legendre Coefficients

61-Pm-155



101

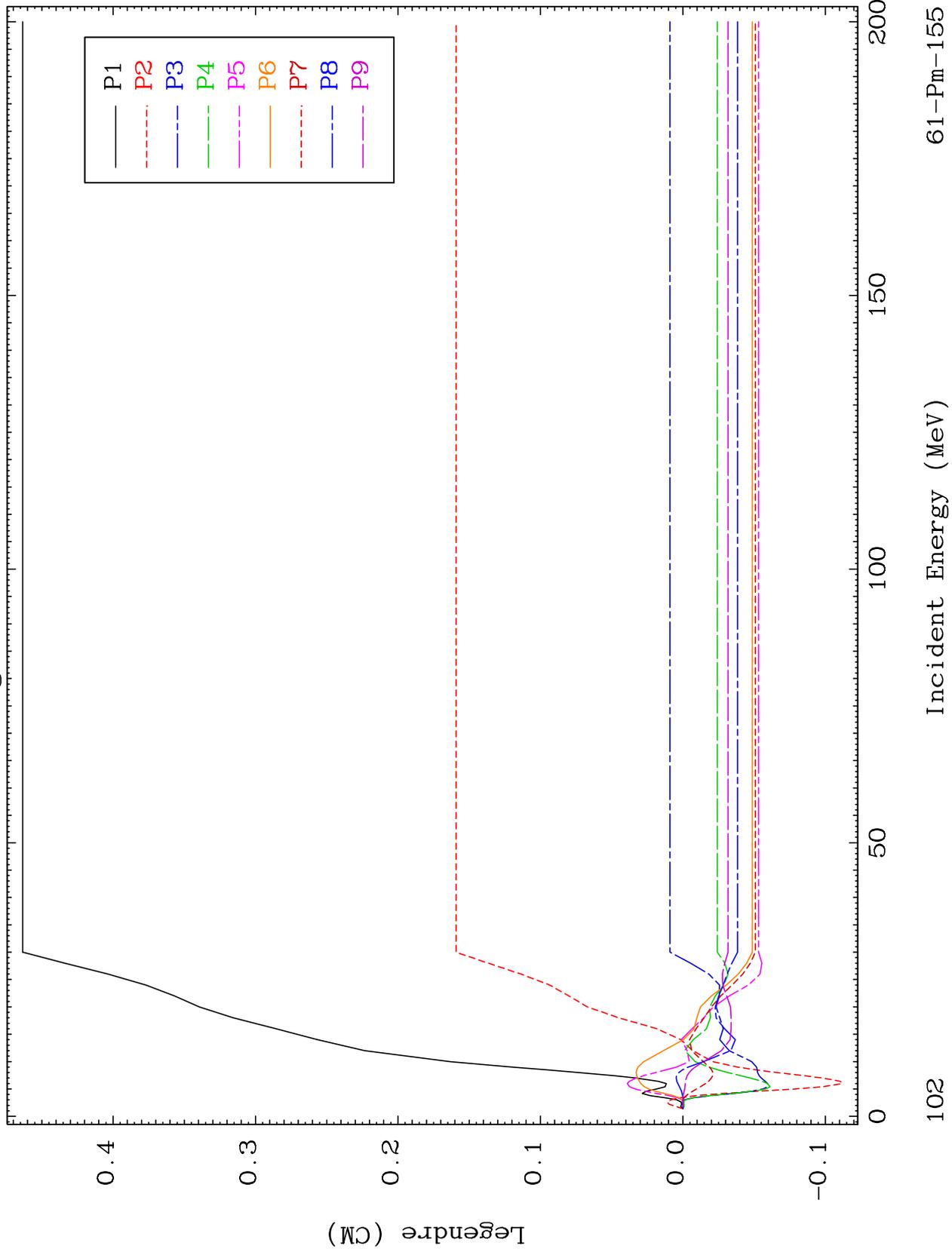
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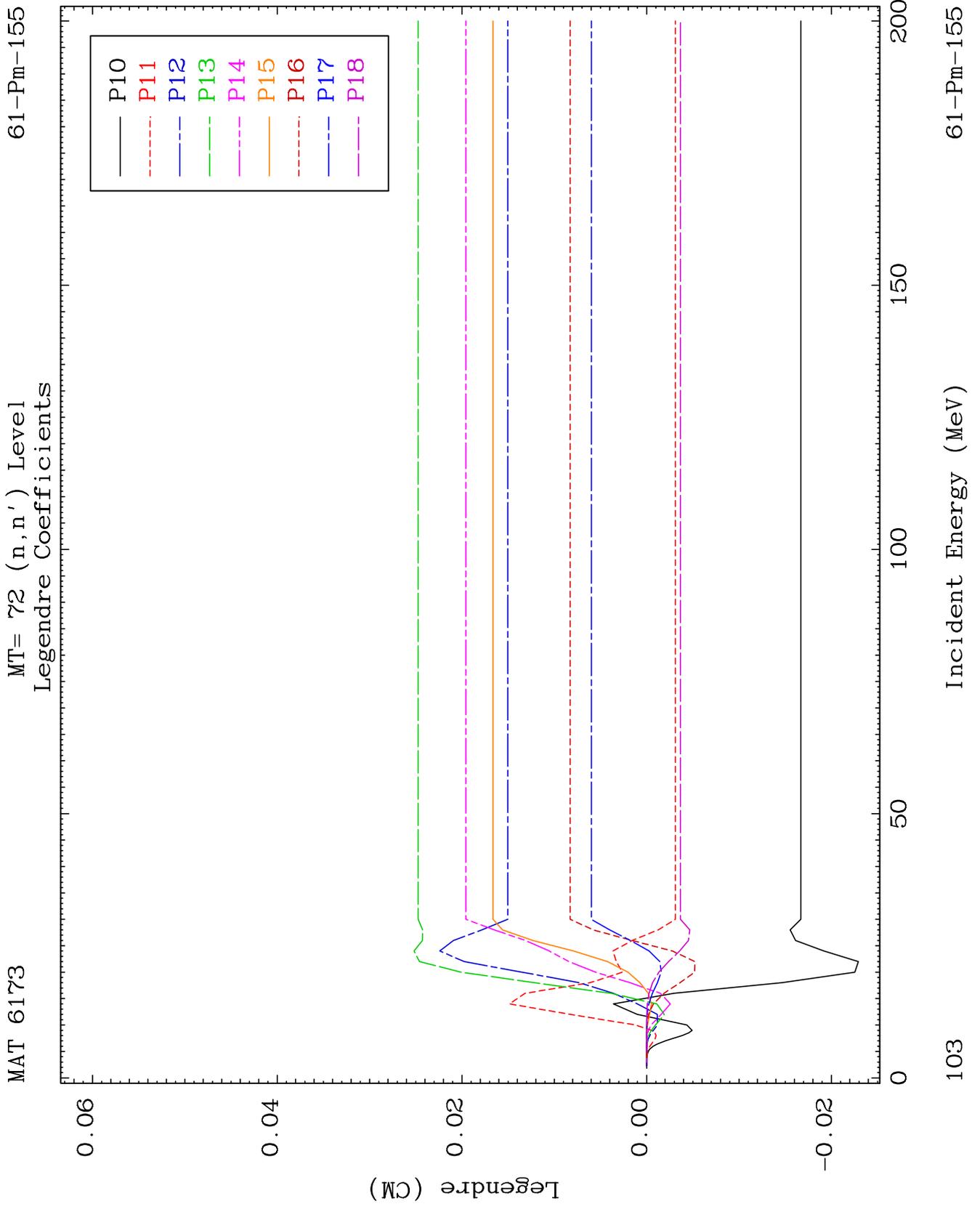
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MAT 6173

MT= 72 (n,n') Level
Legendre Coefficients

61-Pm-155

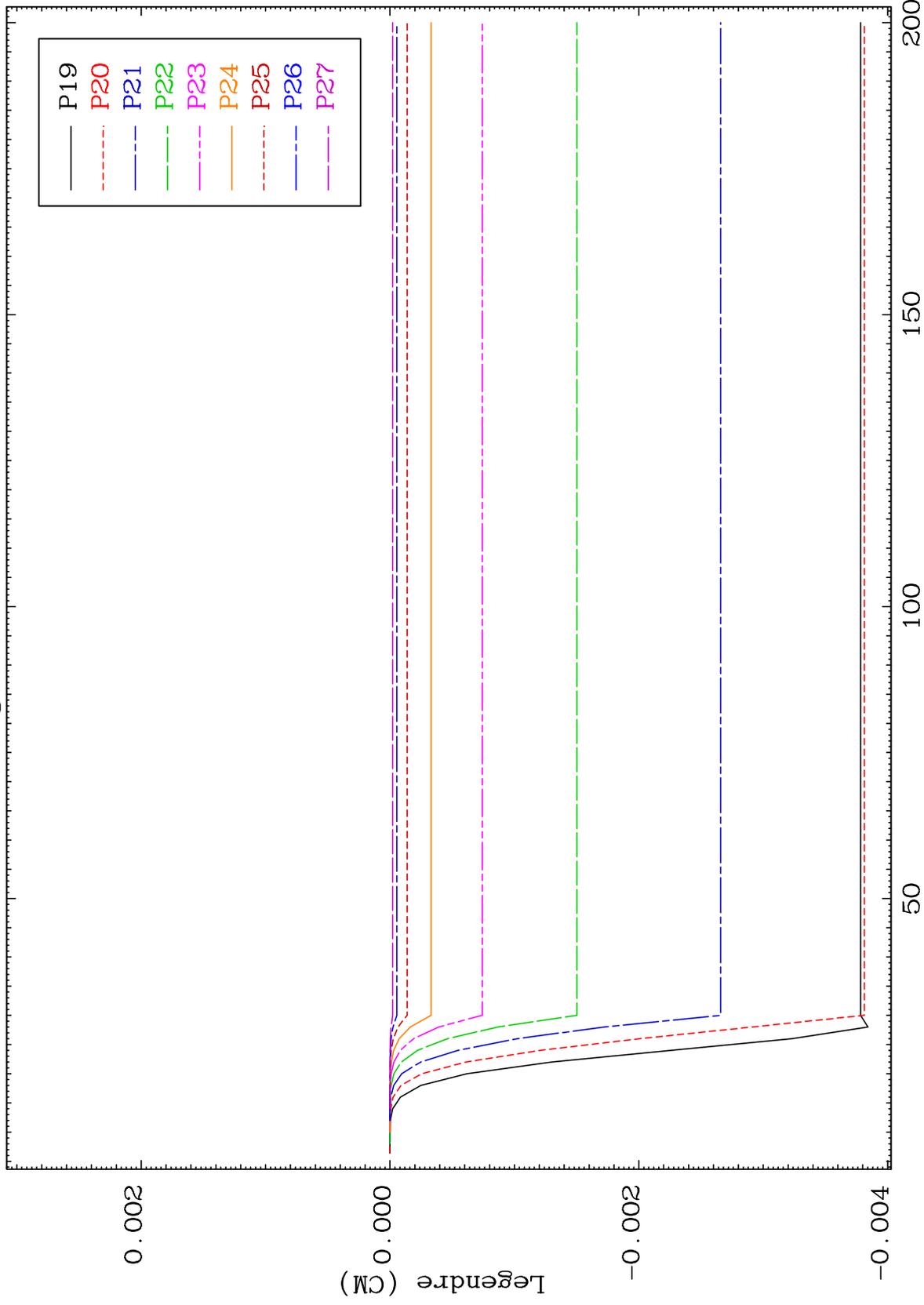




MAT 6173

MT= 72 (n,n') Level
Legendre Coefficients

61-Pm-155



104

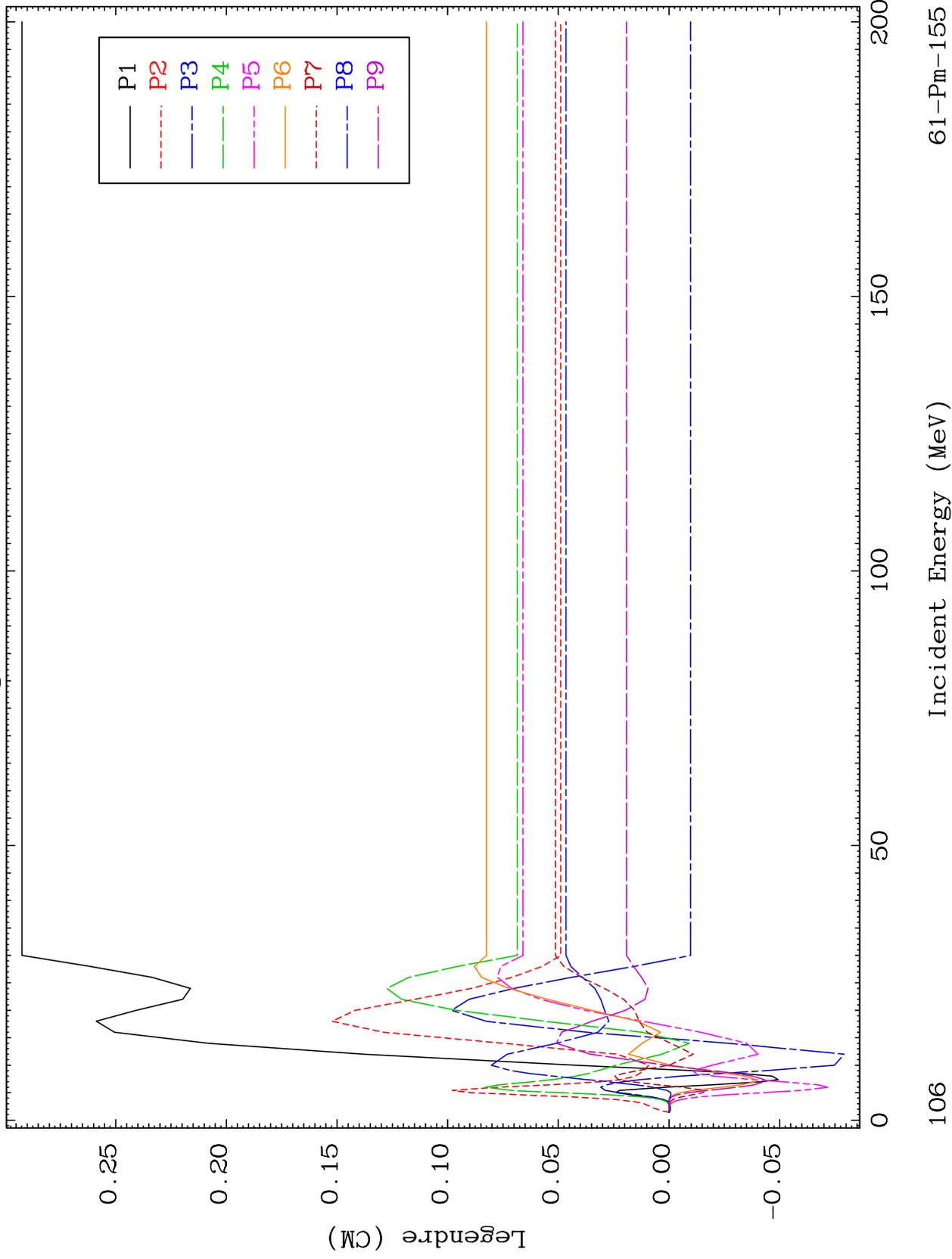
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 73 (n,n') Level
Legendre Coefficients

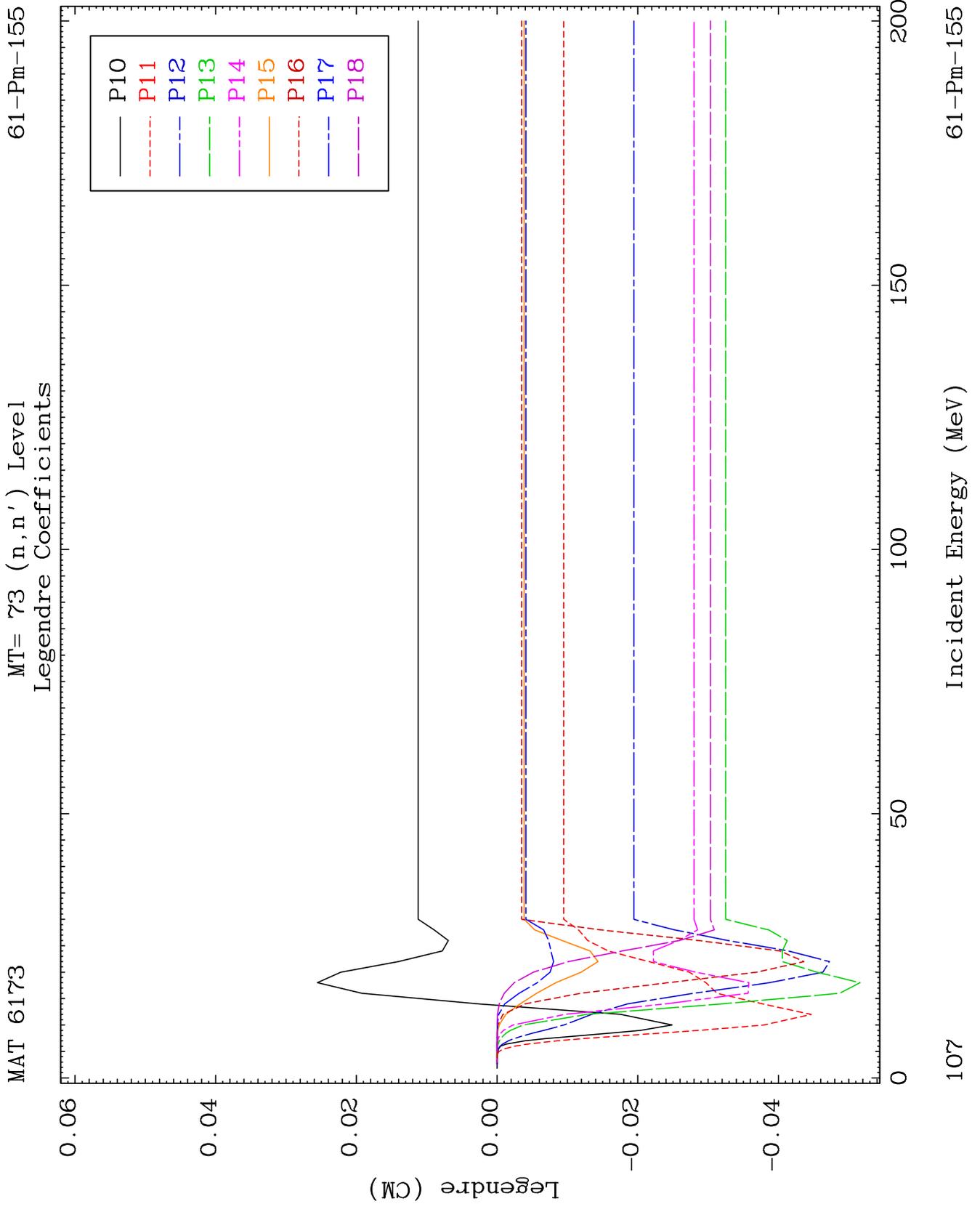
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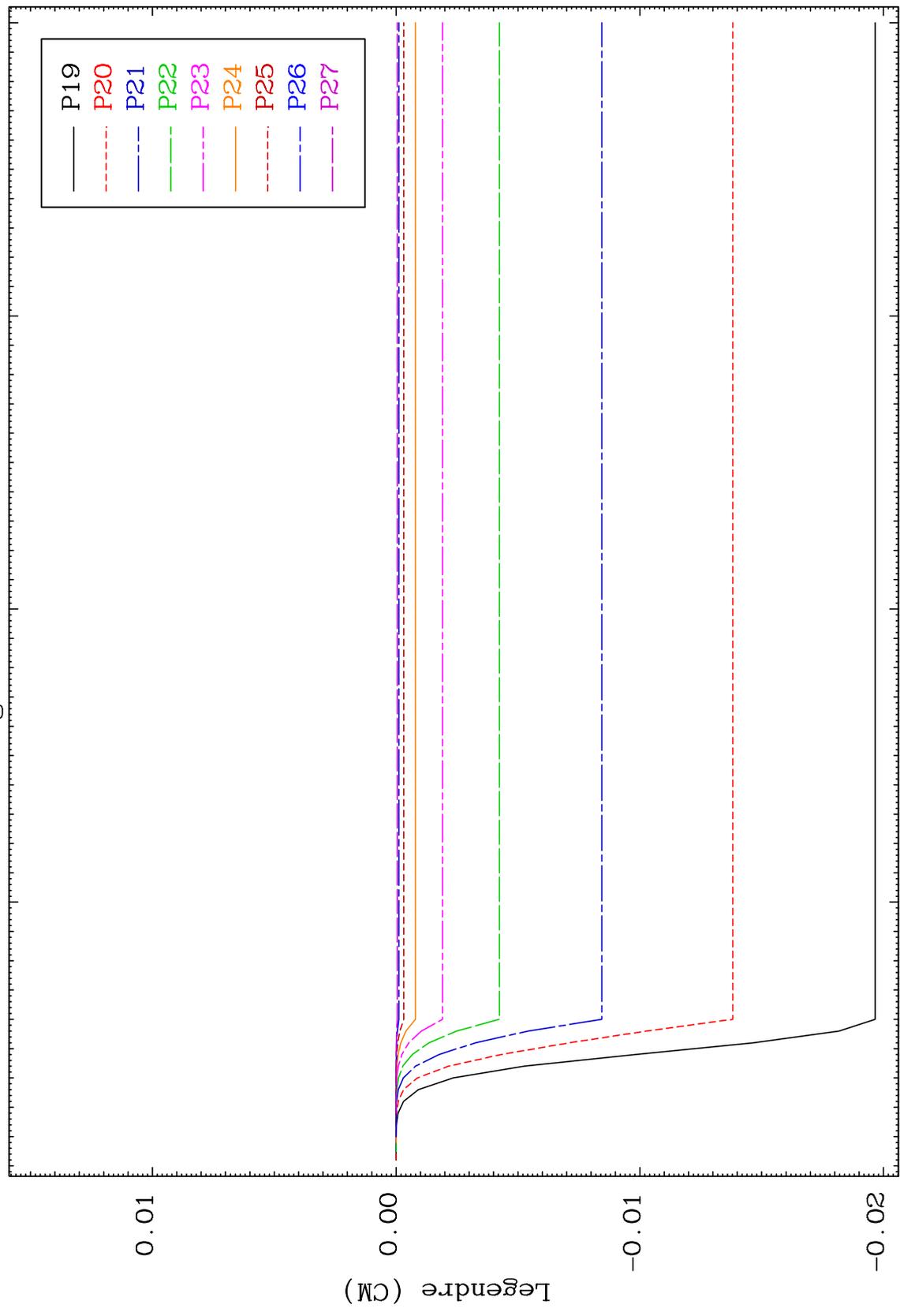
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Incident Energy (MeV)

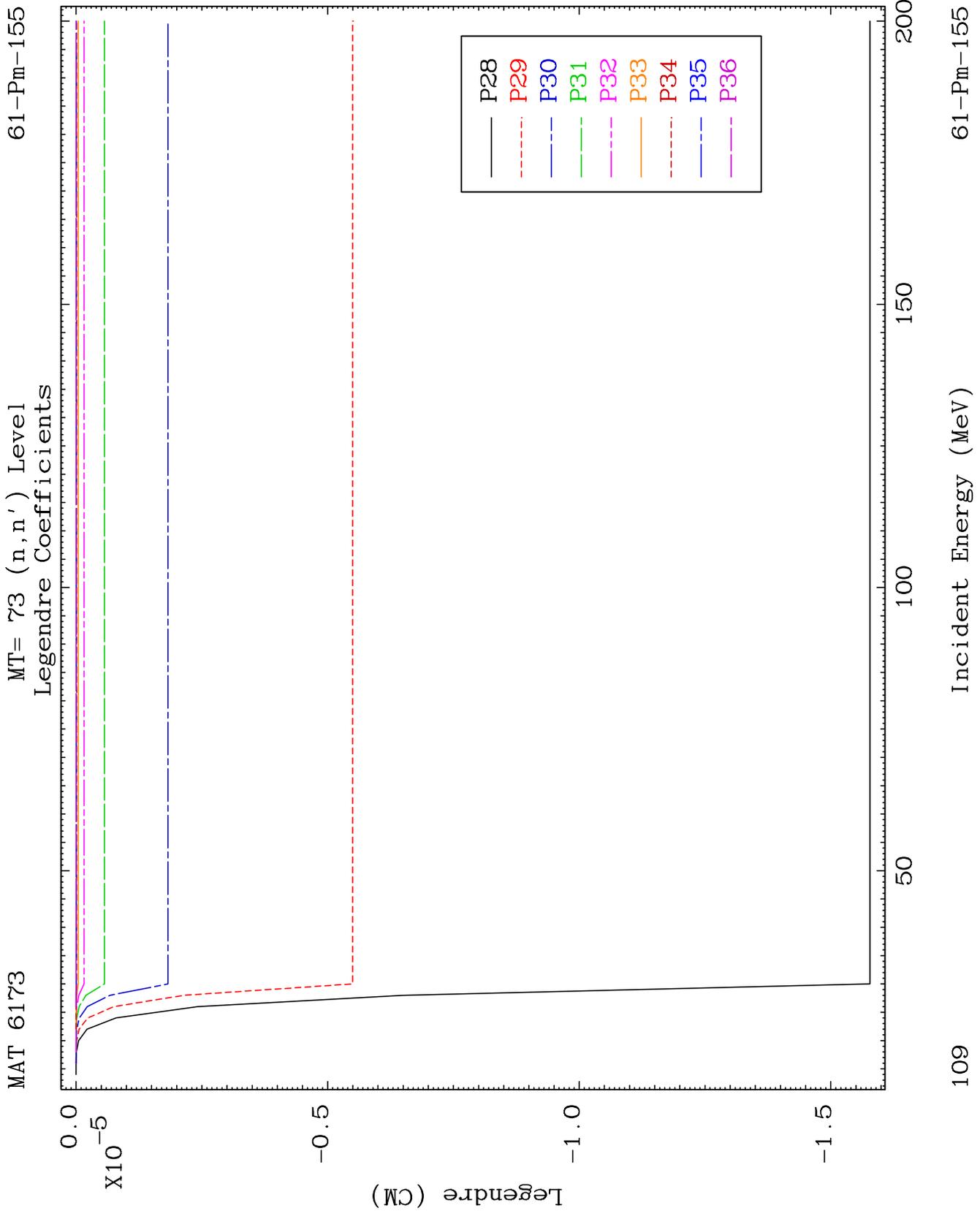
61-Pm-155



MAT 6173 MT= 73 (n,n') Level Legendre Coefficients 61-Pm-155



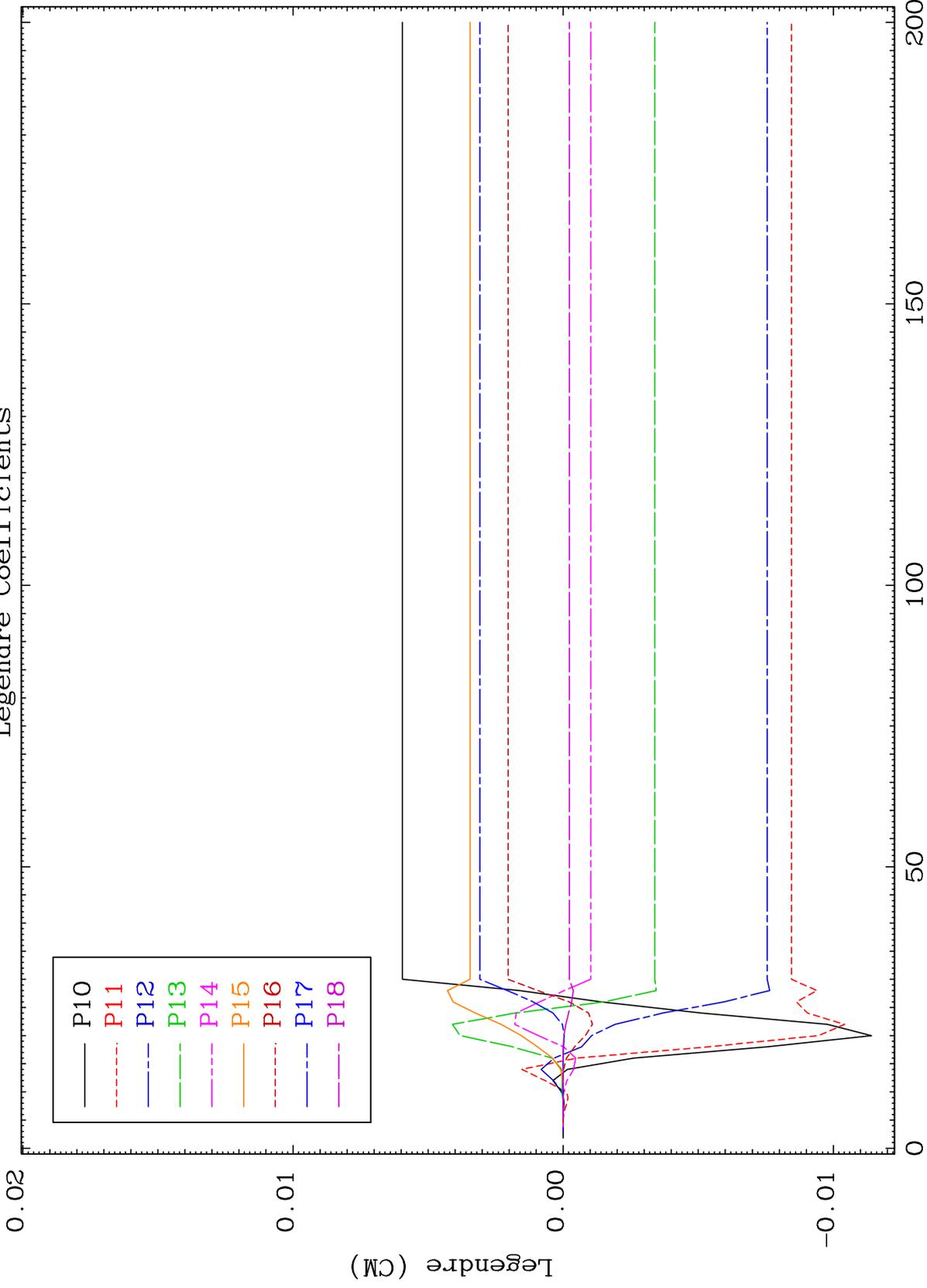
108 Incident Energy (MeV) 61-Pm-155



MAT 6173

MT= 74 (n,n') Level
Legendre Coefficients

61-Pm-155



111

Incident Energy (MeV)

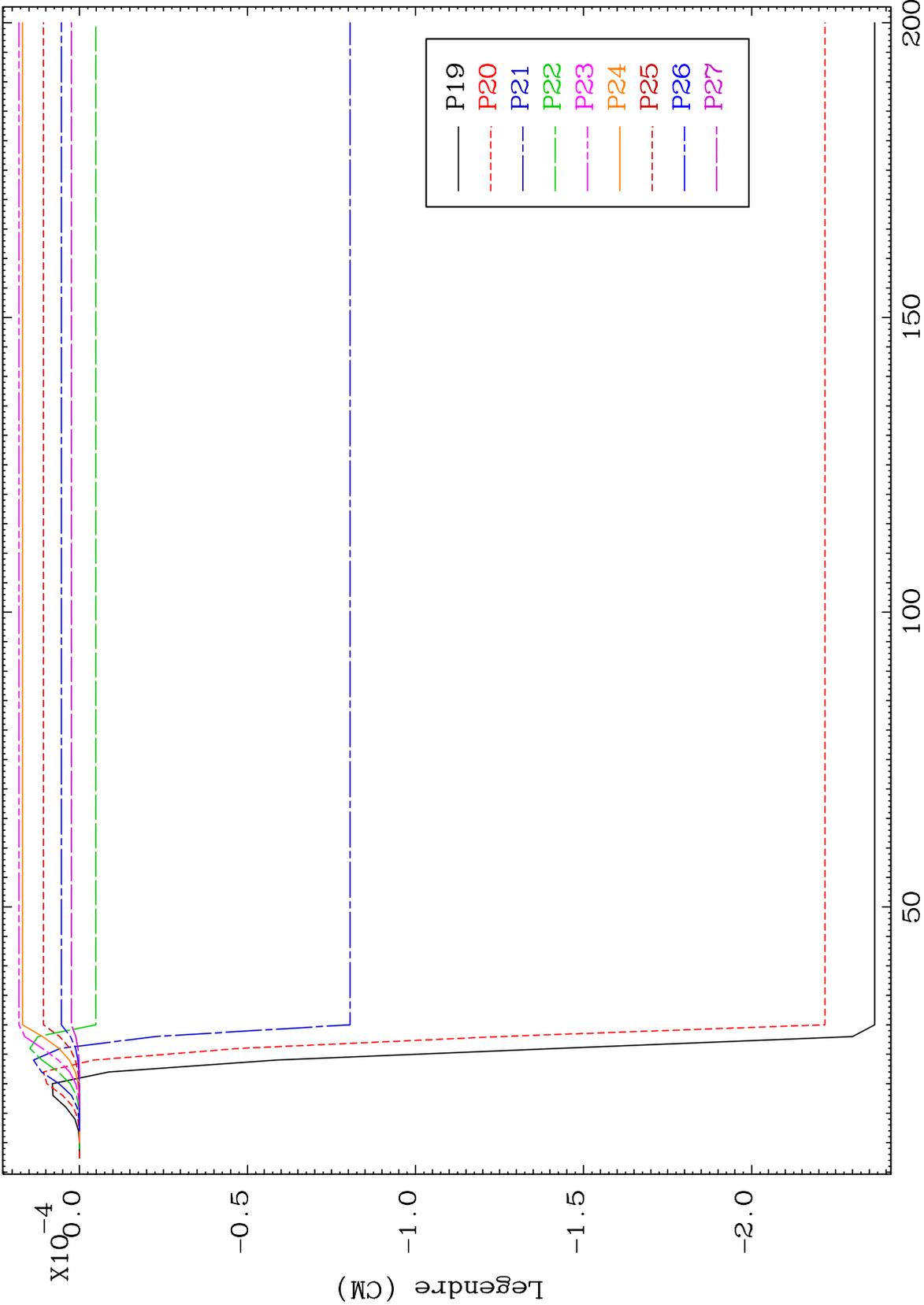
61-Pm-155

MAT 6173

MT= 74 (n,n') Level

61-Pm-155

Legendre Coefficients



61-Pm-155

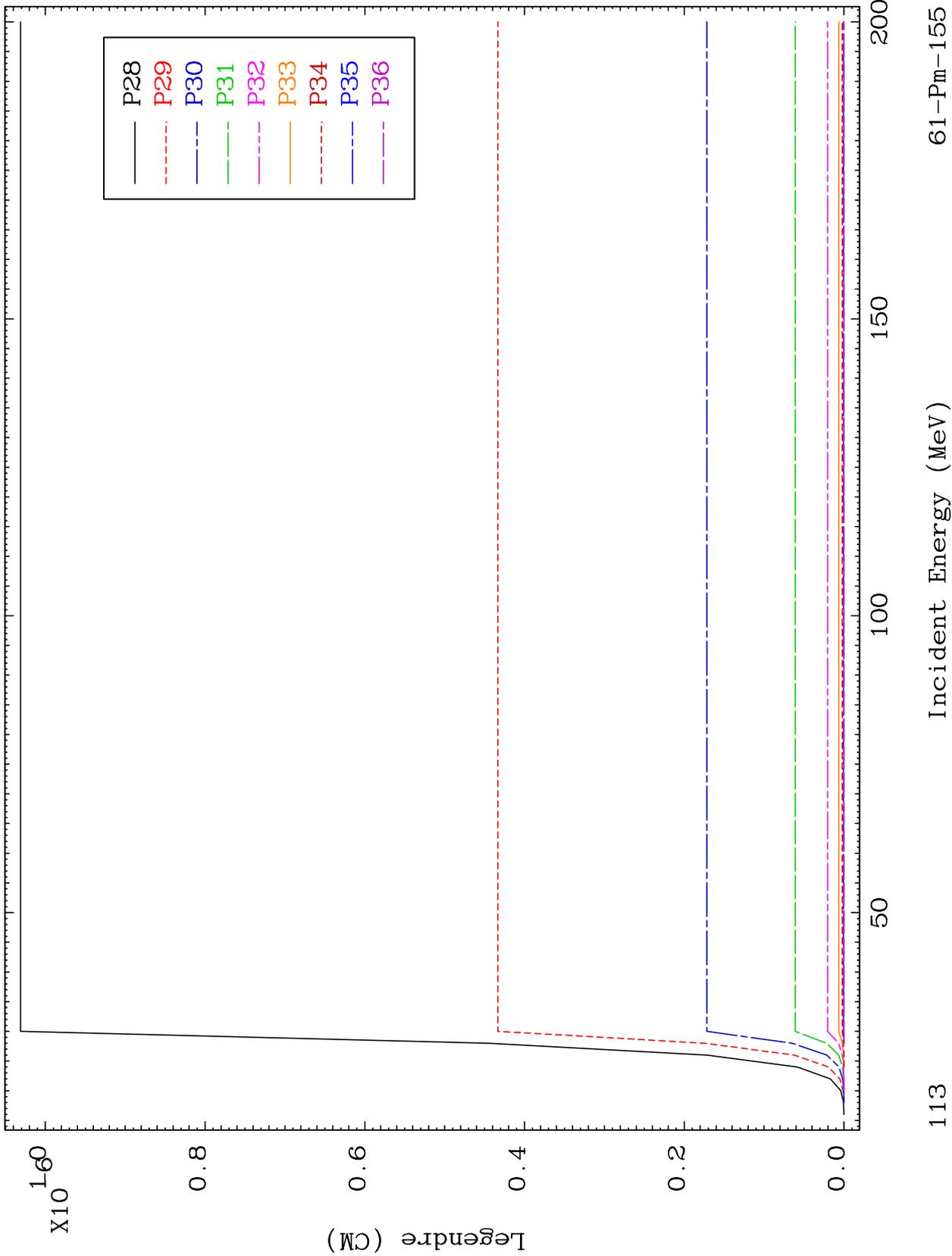
Incident Energy (MeV)

112

MAT 6173

MT= 74 (n,n') Level
Legendre Coefficients

61-Pm-155



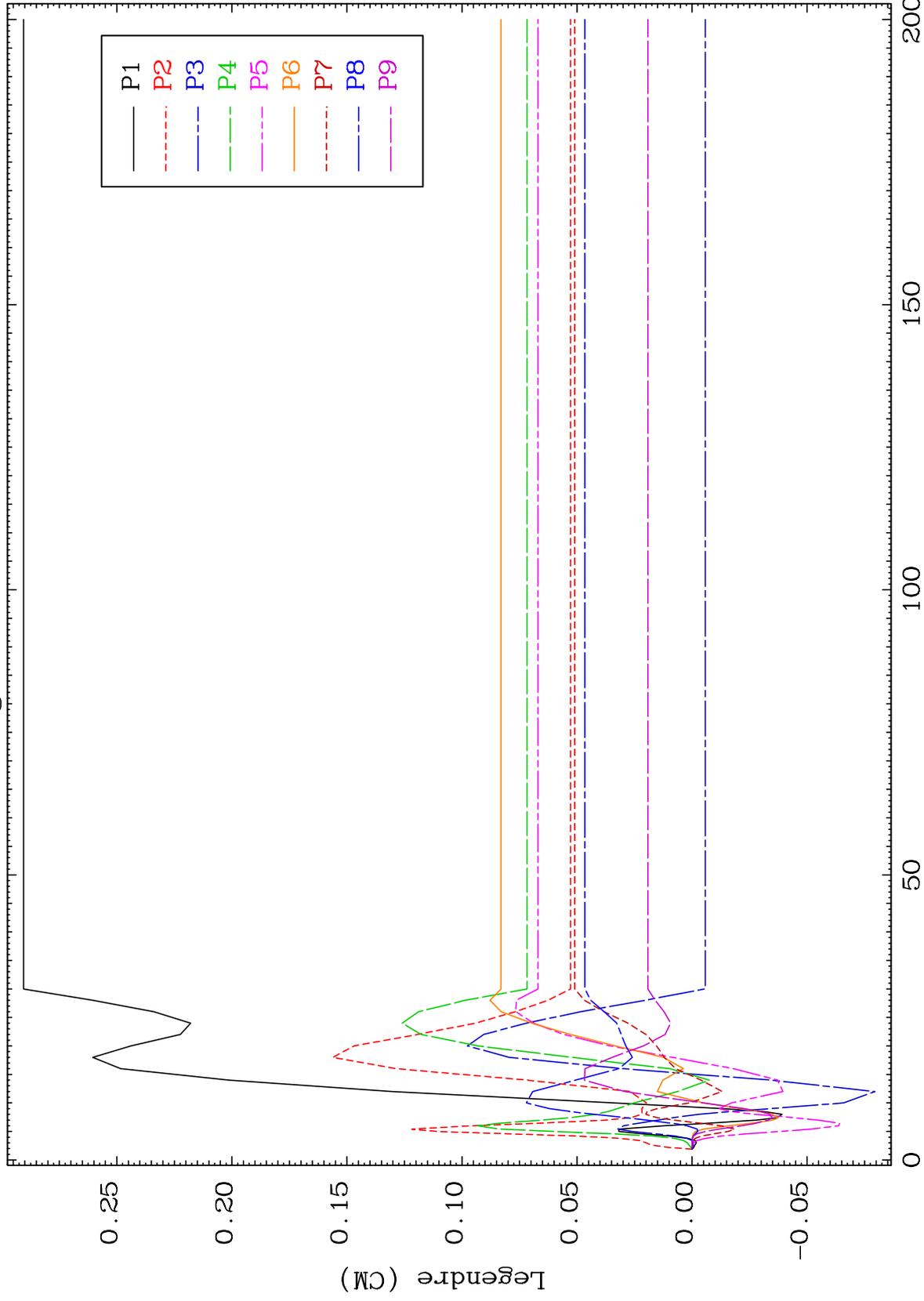
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61-Pm-155

MAT 6173

MT= 75 (n,n') Level
Legendre Coefficients

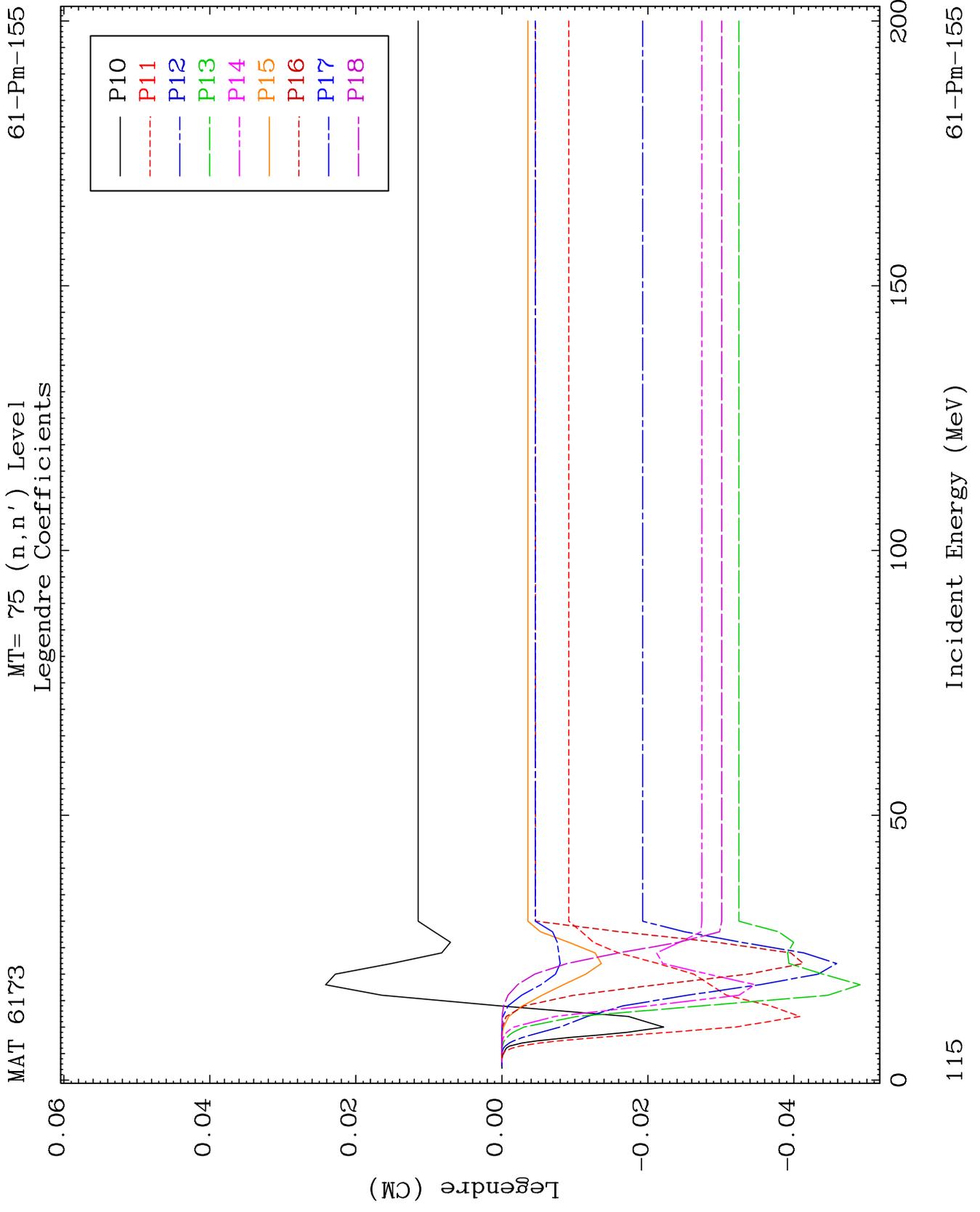
61-Pm-155



61-Pm-155

Incident Energy (MeV)

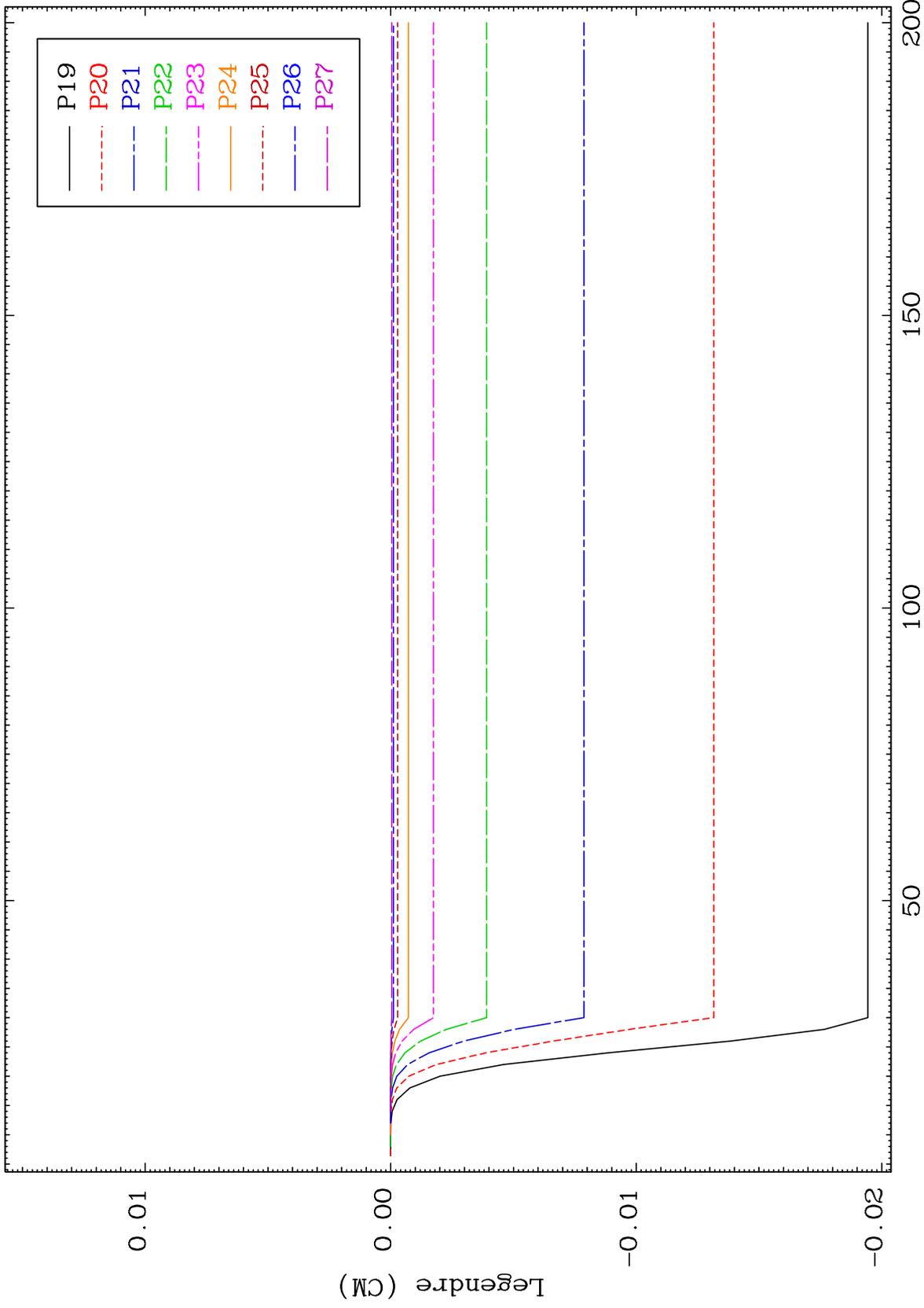
114



MAT 6173

MT= 75 (n,n') Level
Legendre Coefficients

61-Pm-155



116

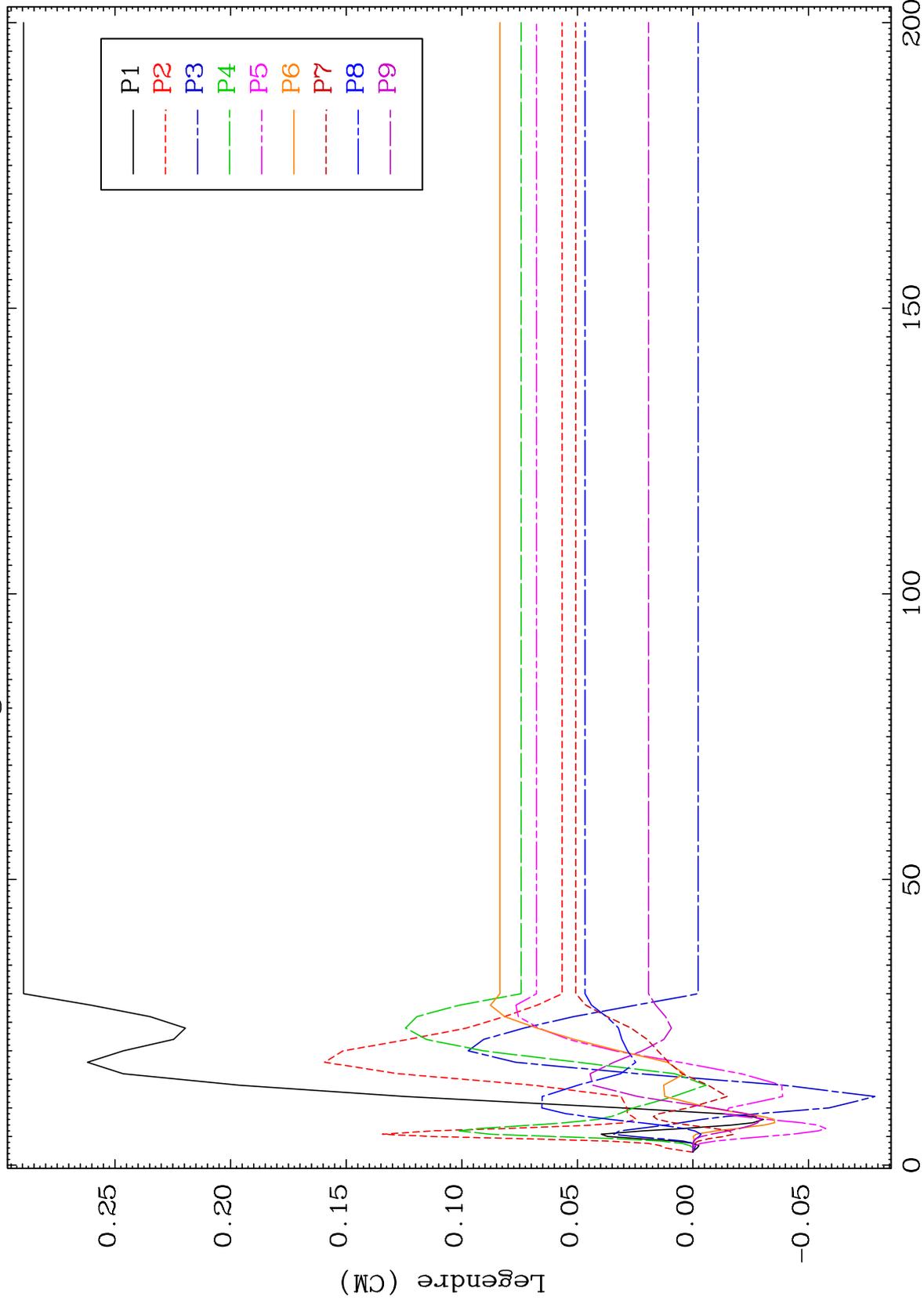
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 76 (n,n') Level
Legendre Coefficients

61-Pm-155



118

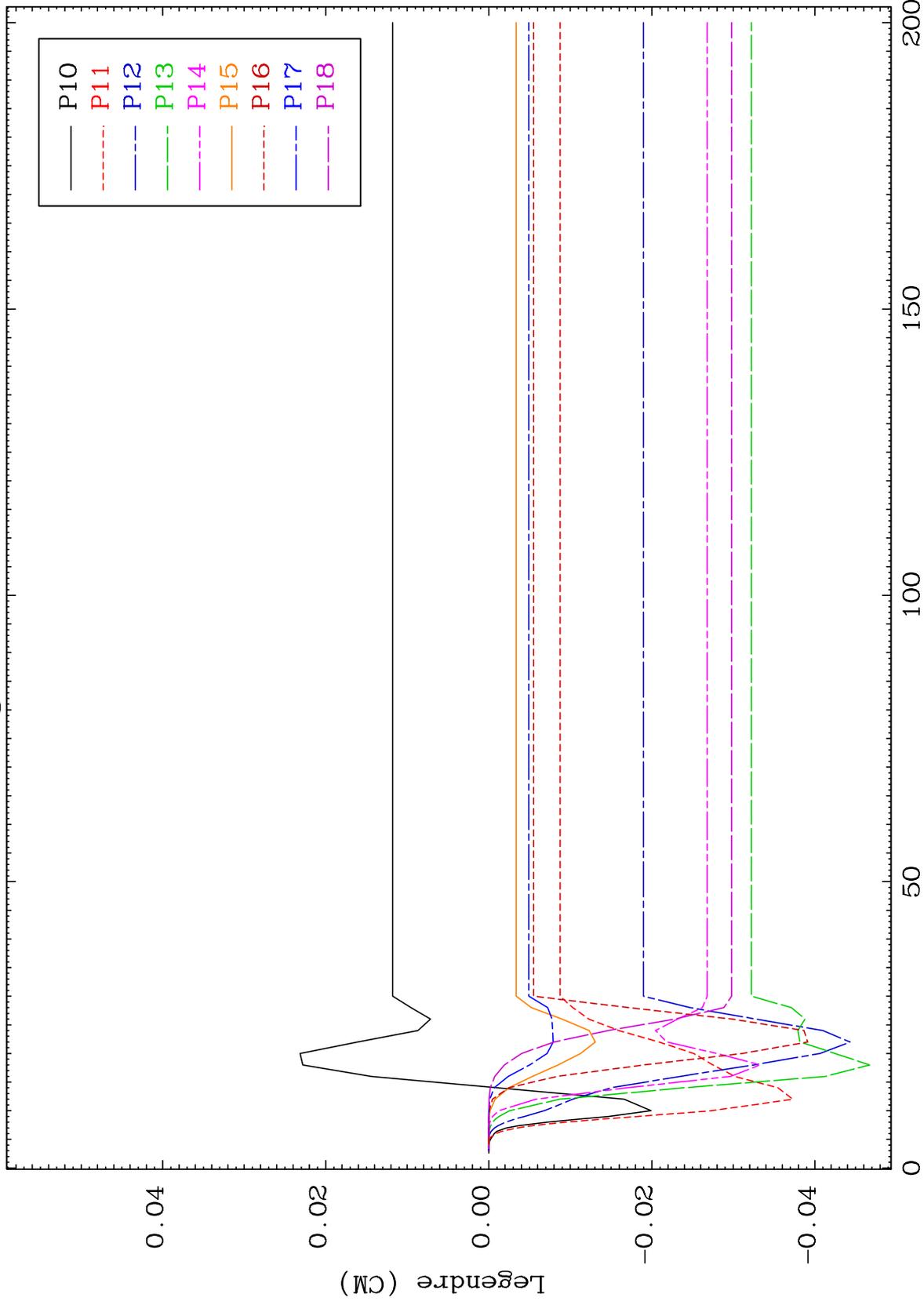
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 76 (n,n') Level
Legendre Coefficients

61-Pm-155



119

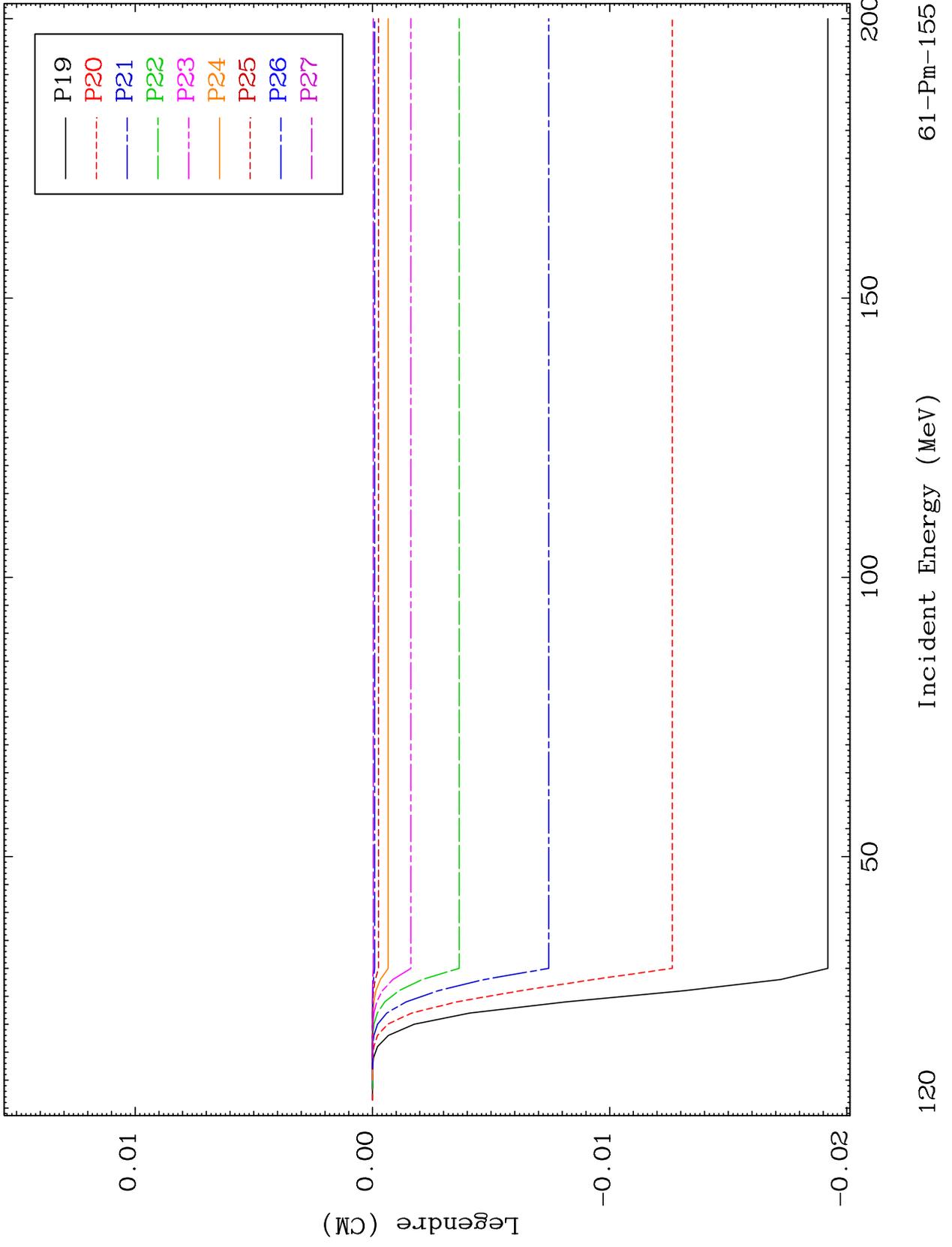
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 76 (n,n') Level
Legendre Coefficients

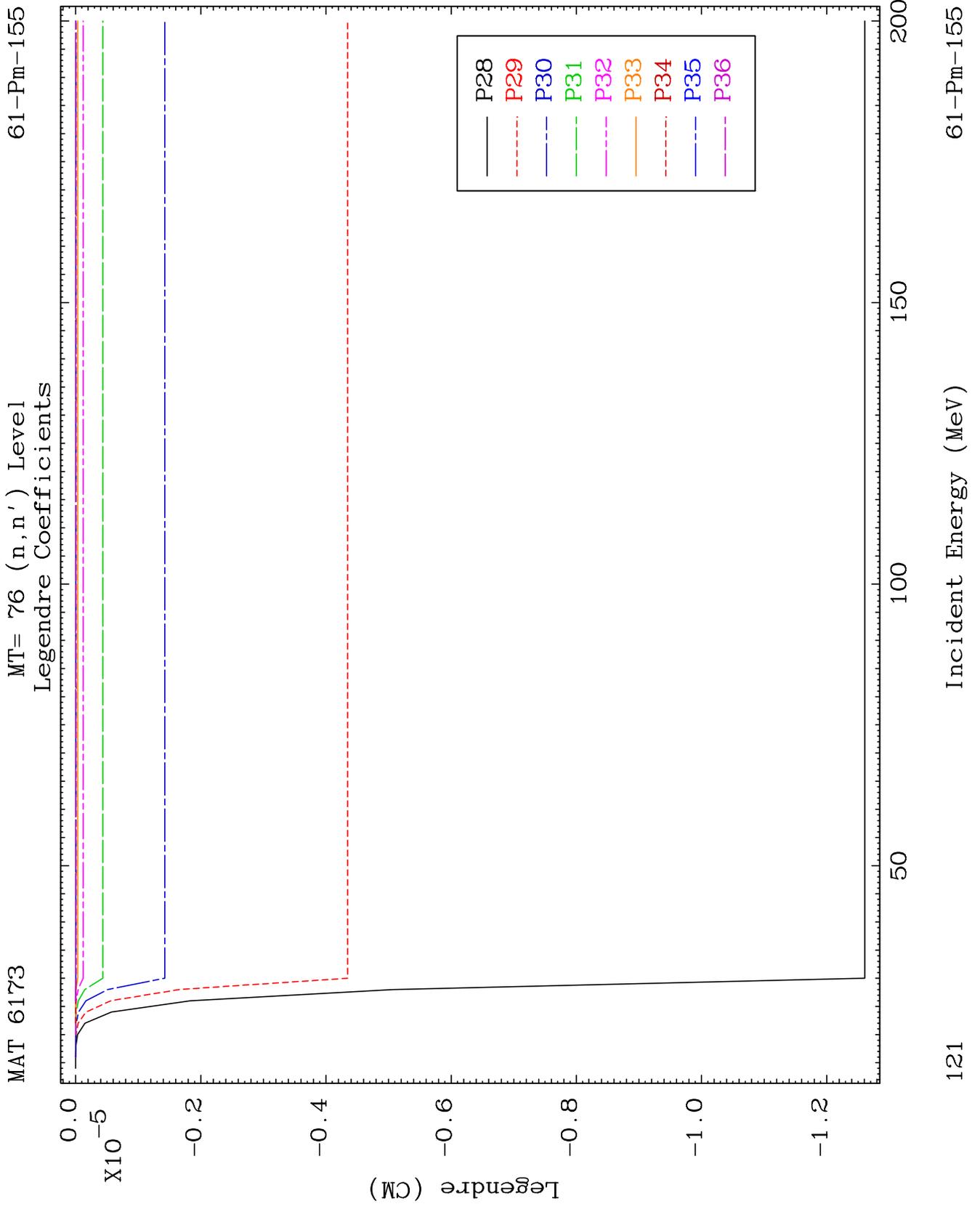
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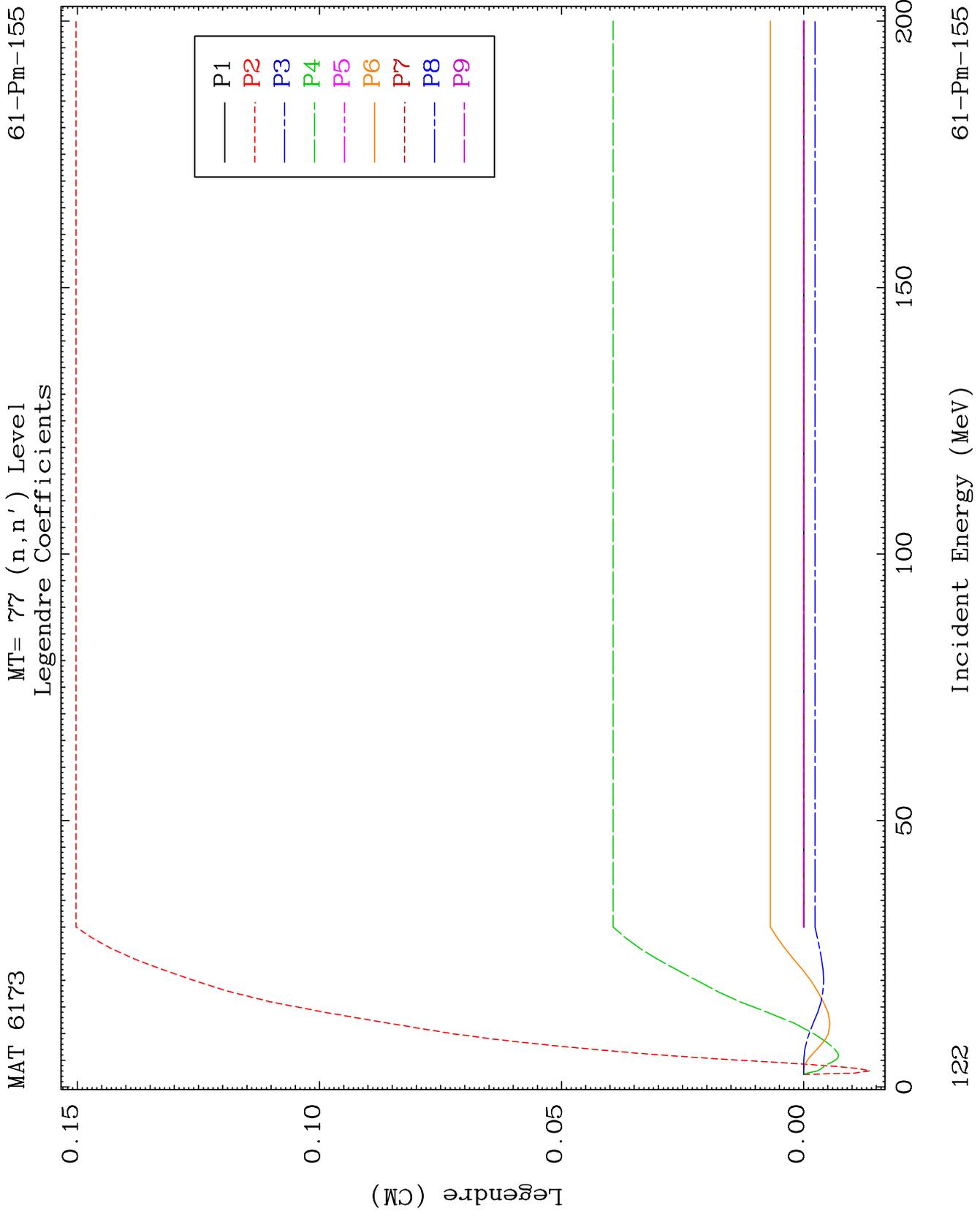


61-Pm-155

Incident Energy (MeV)

120

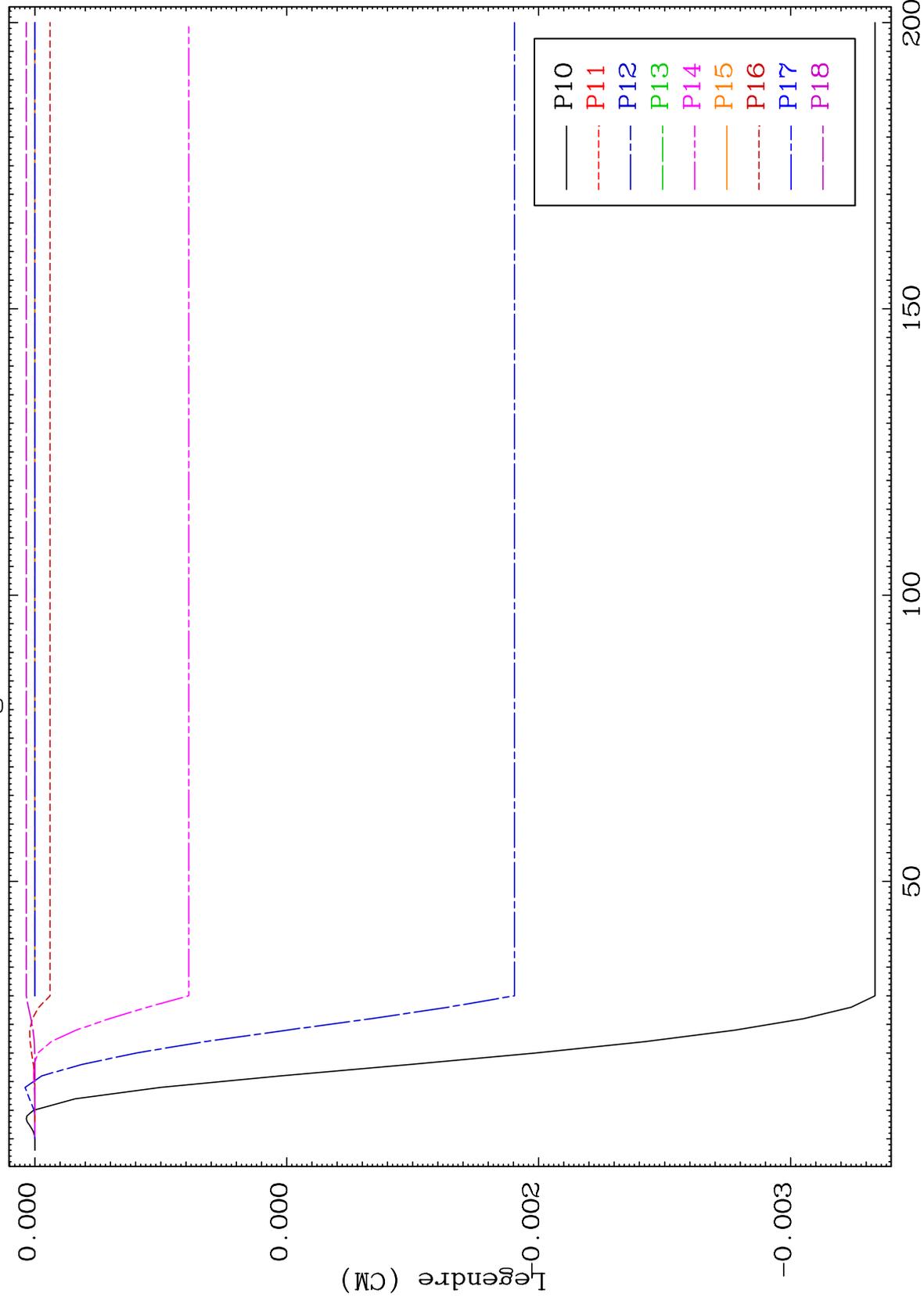




MAT 6173

MT= 77 (n,n') Level
Legendre Coefficients

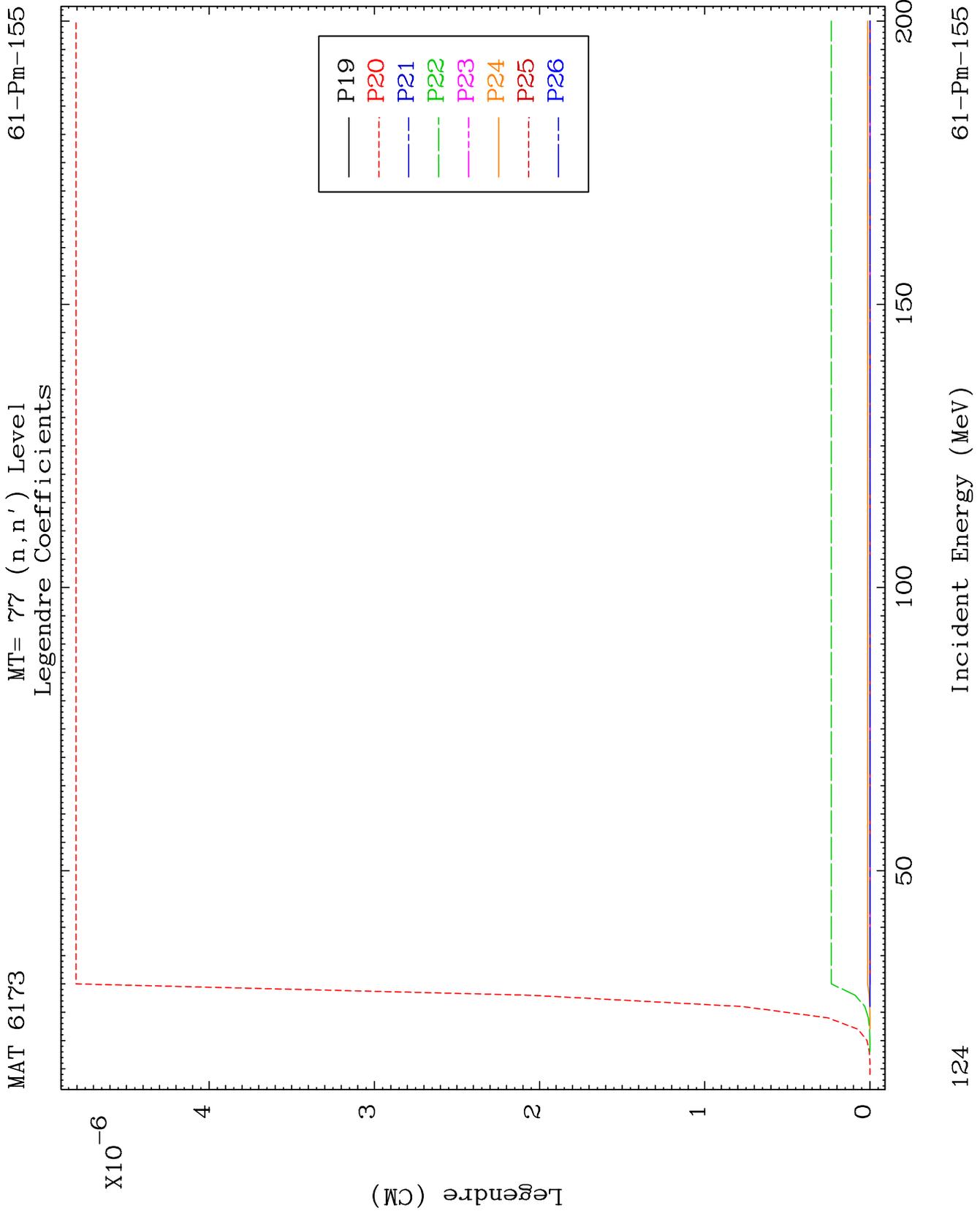
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123

Incident Energy (MeV)

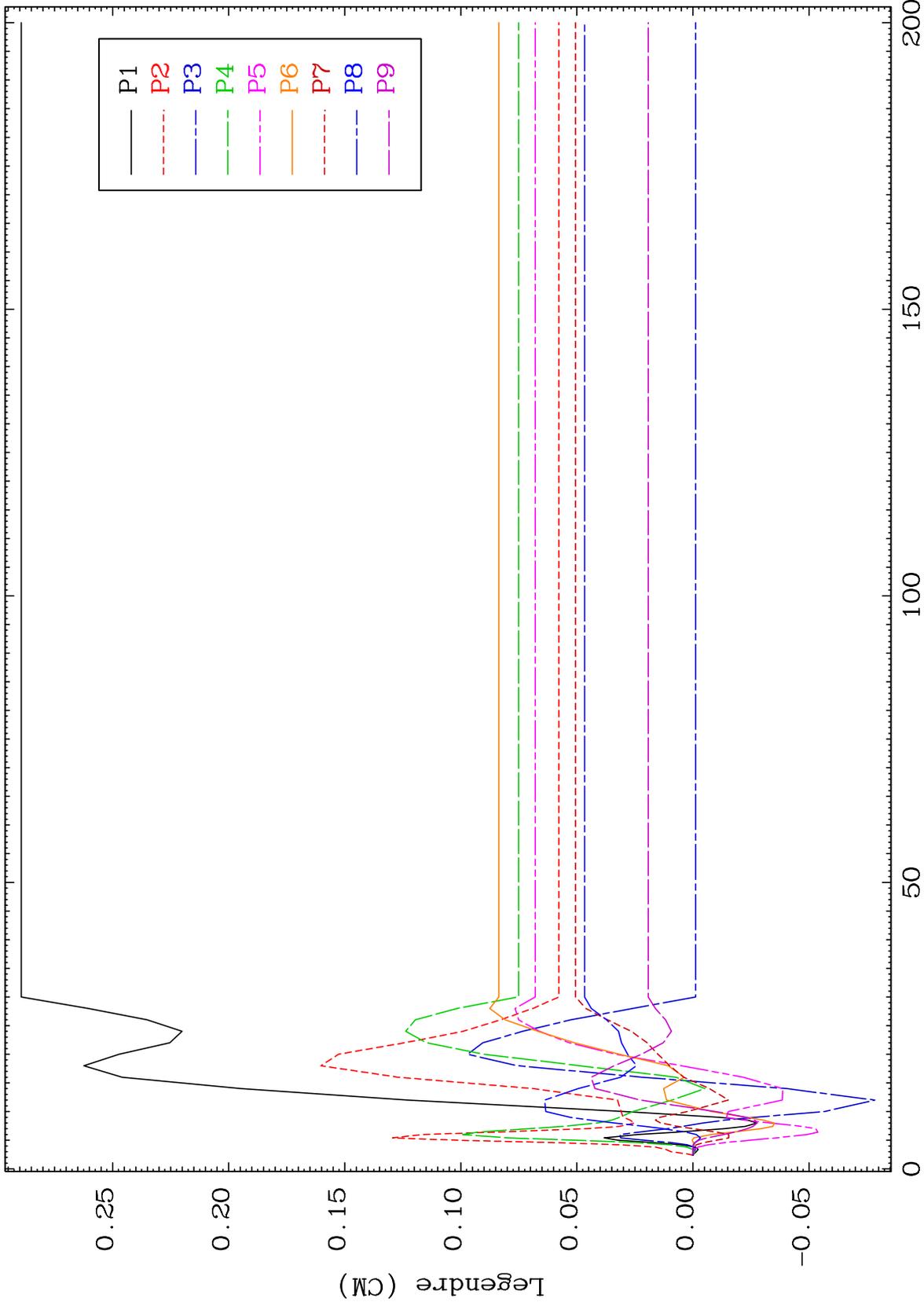
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MAT 6173

MT= 78 (n,n') Level
Legendre Coefficients

61-Pm-155



125

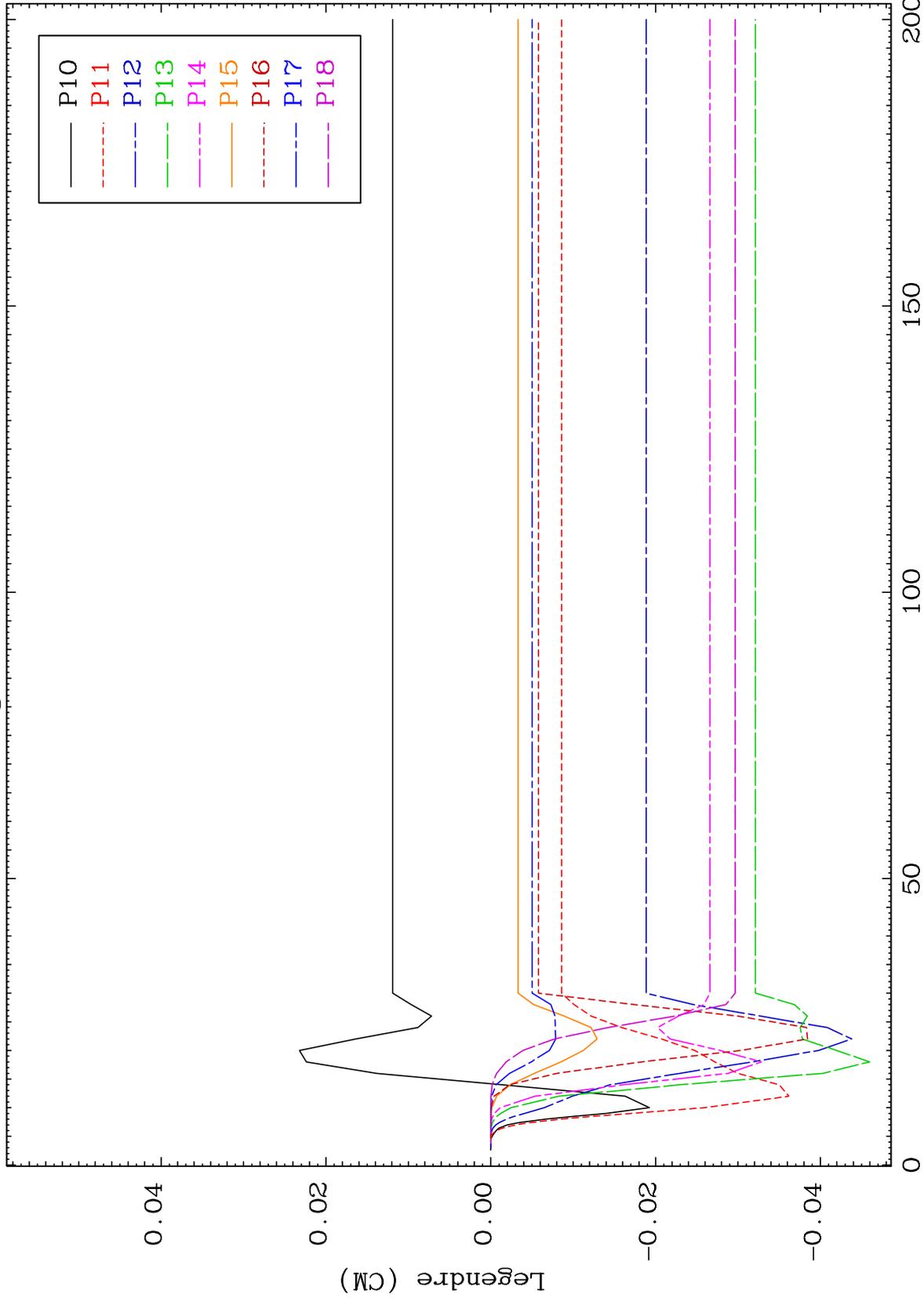
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 78 (n,n') Level
Legendre Coefficients

61-Pm-155



126

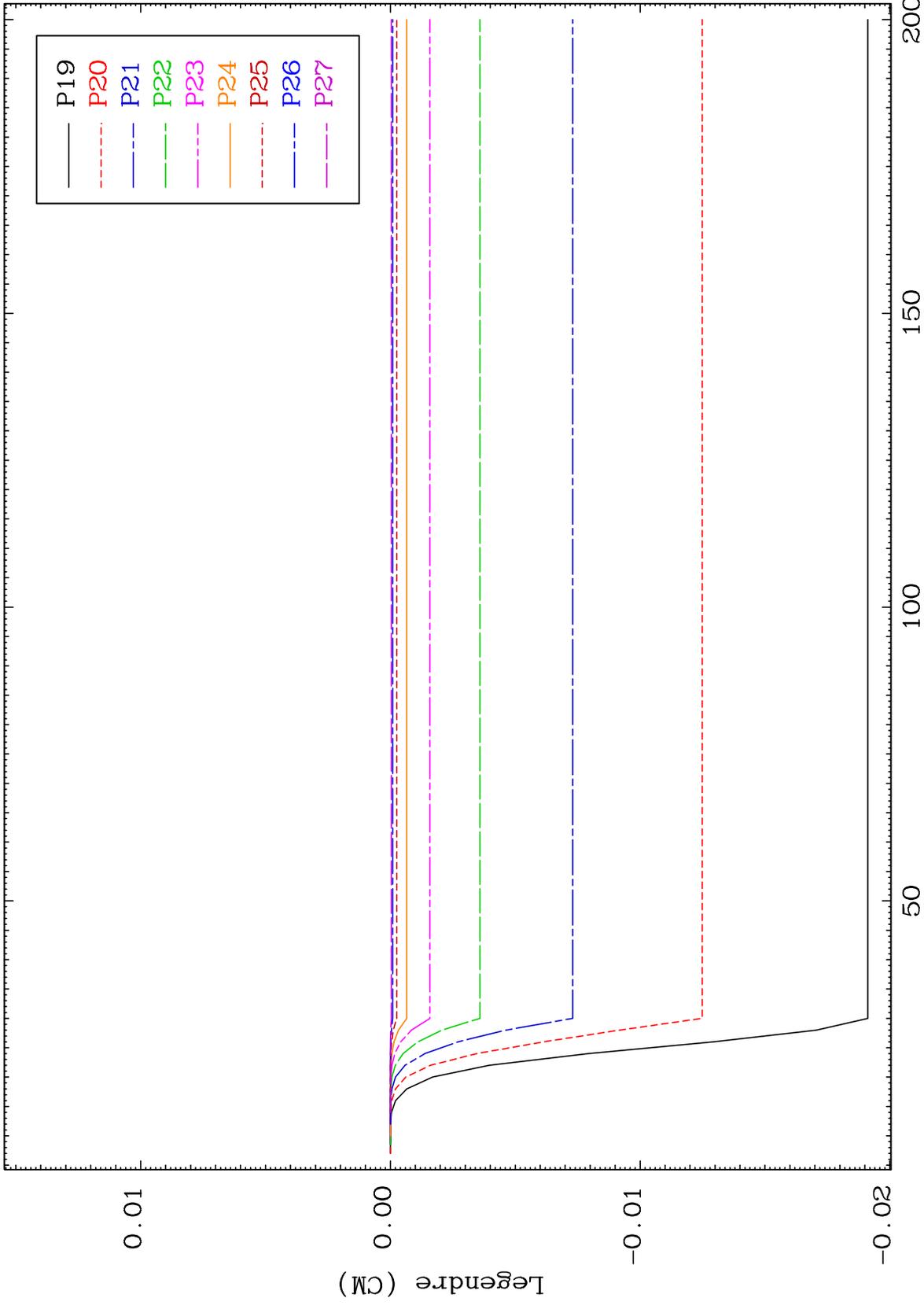
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 78 (n,n') Level
Legendre Coefficients

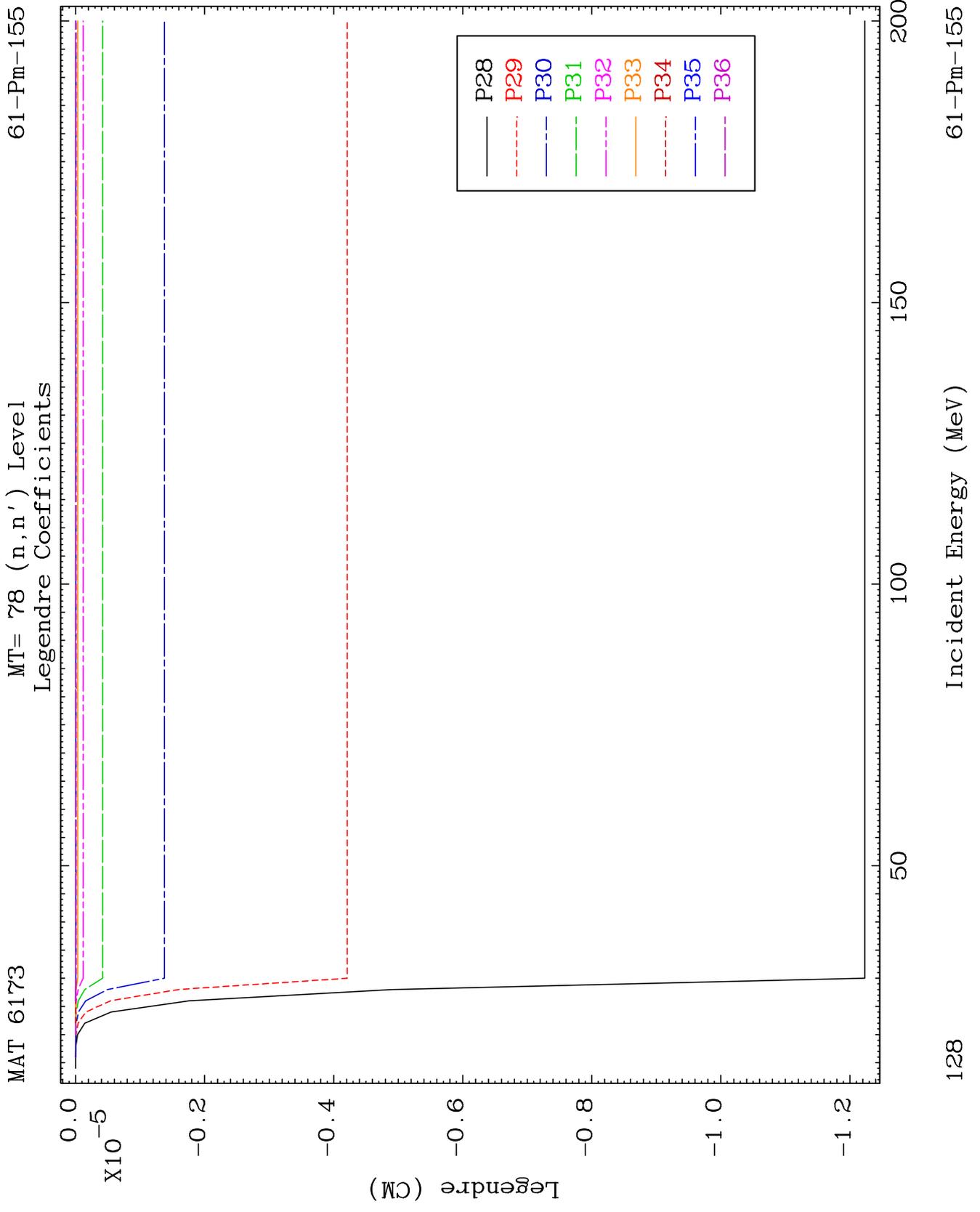
61-Pm-155



127

Incident Energy (MeV)

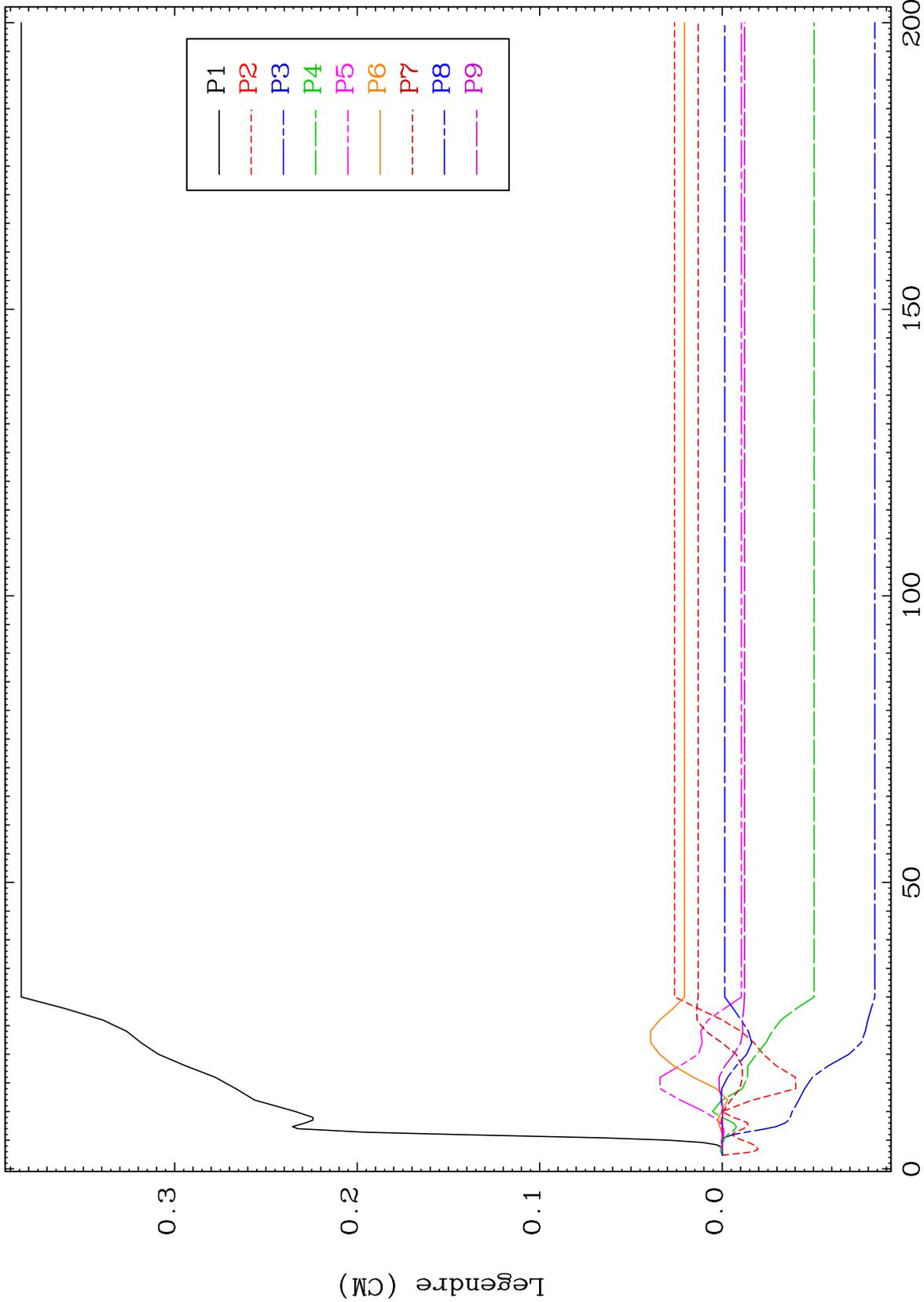
61-Pm-155



MAT 6173

MT= 79 (n,n') Level
Legendre Coefficients

61-Pm-155



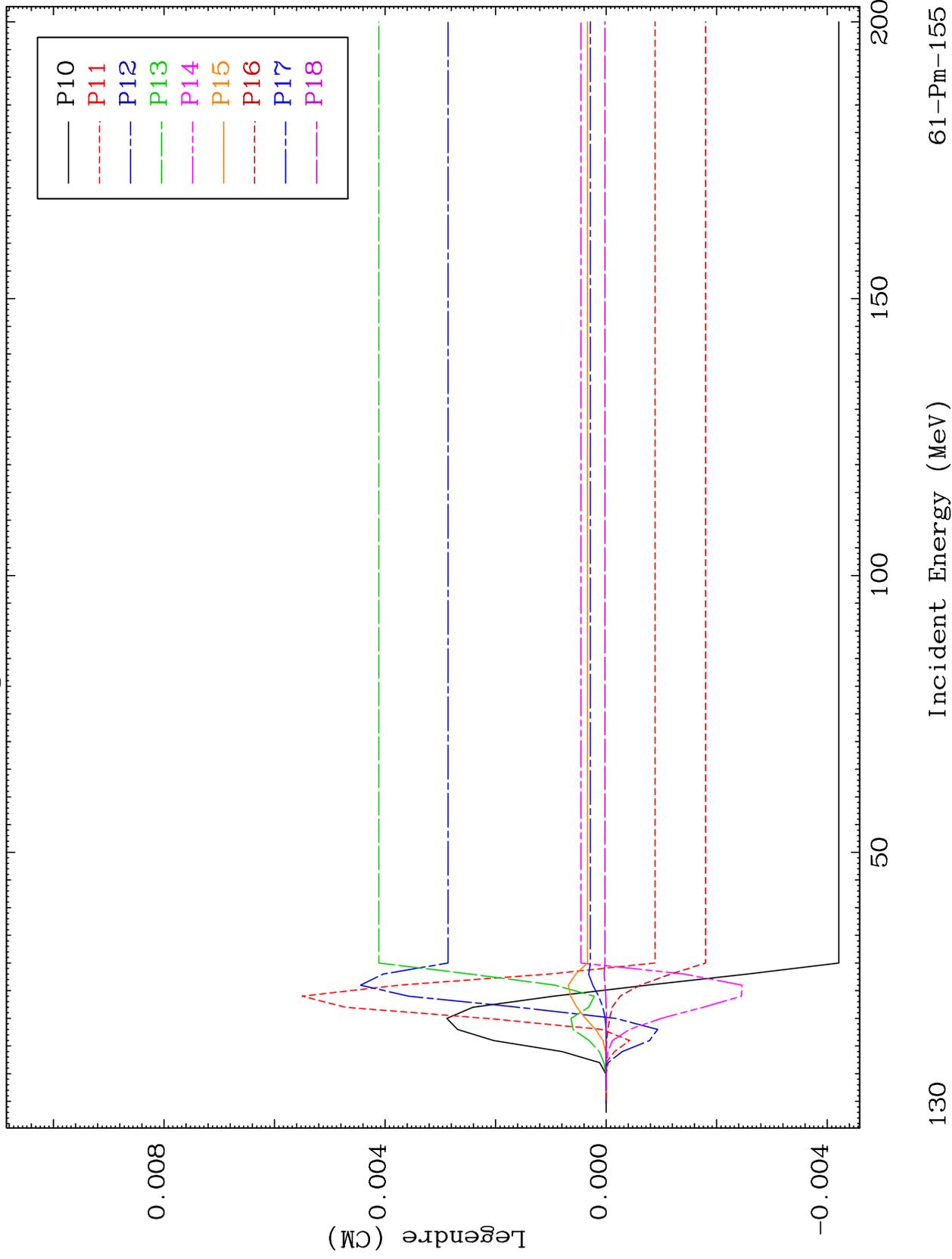
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61-Pm-155

MAT 6173

MT= 79 (n,n') Level
Legendre Coefficients

61-Pm-155



61-Pm-155

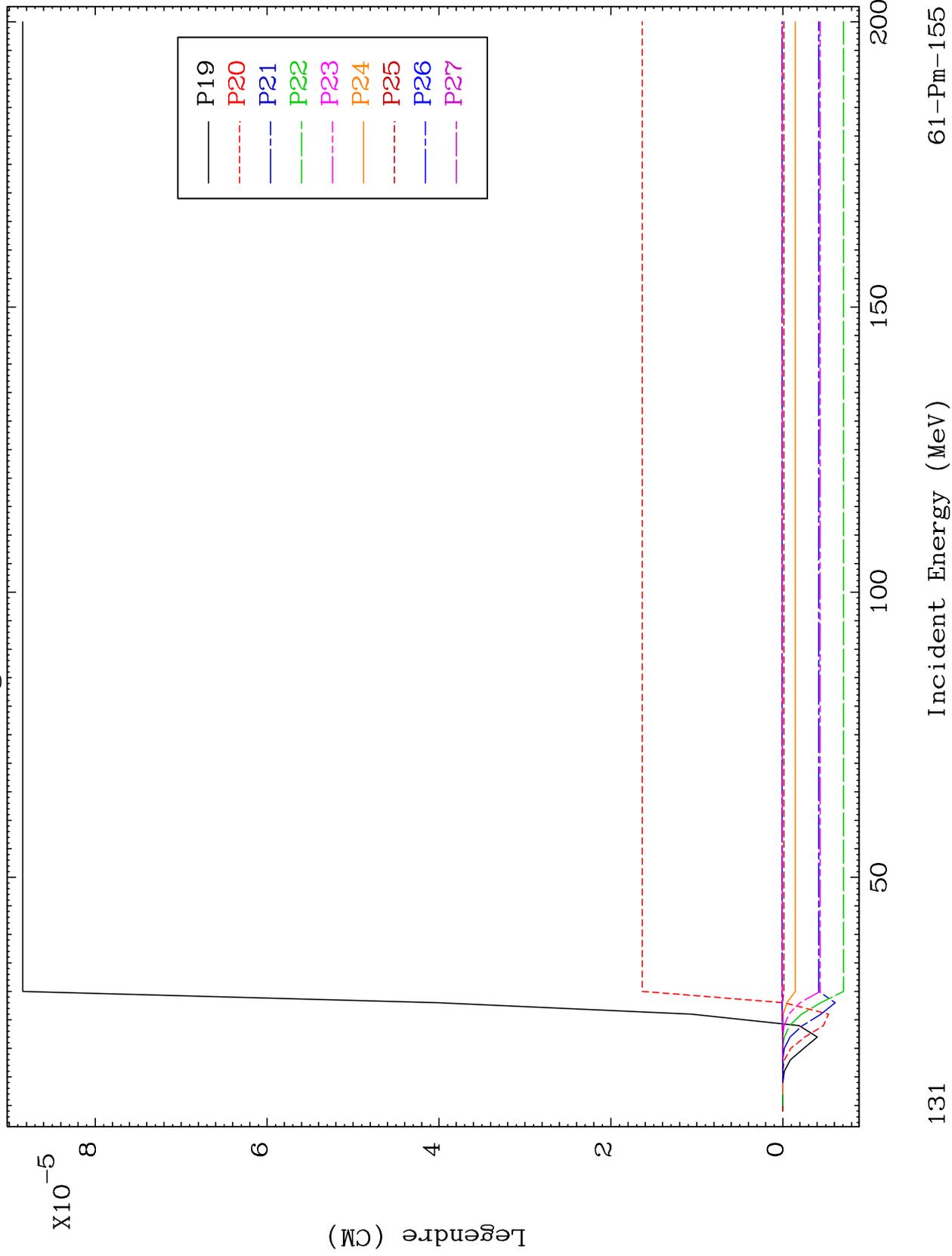
Incident Energy (MeV)

130

MAT 6173

MT= 79 (n,n') Level
Legendre Coefficients

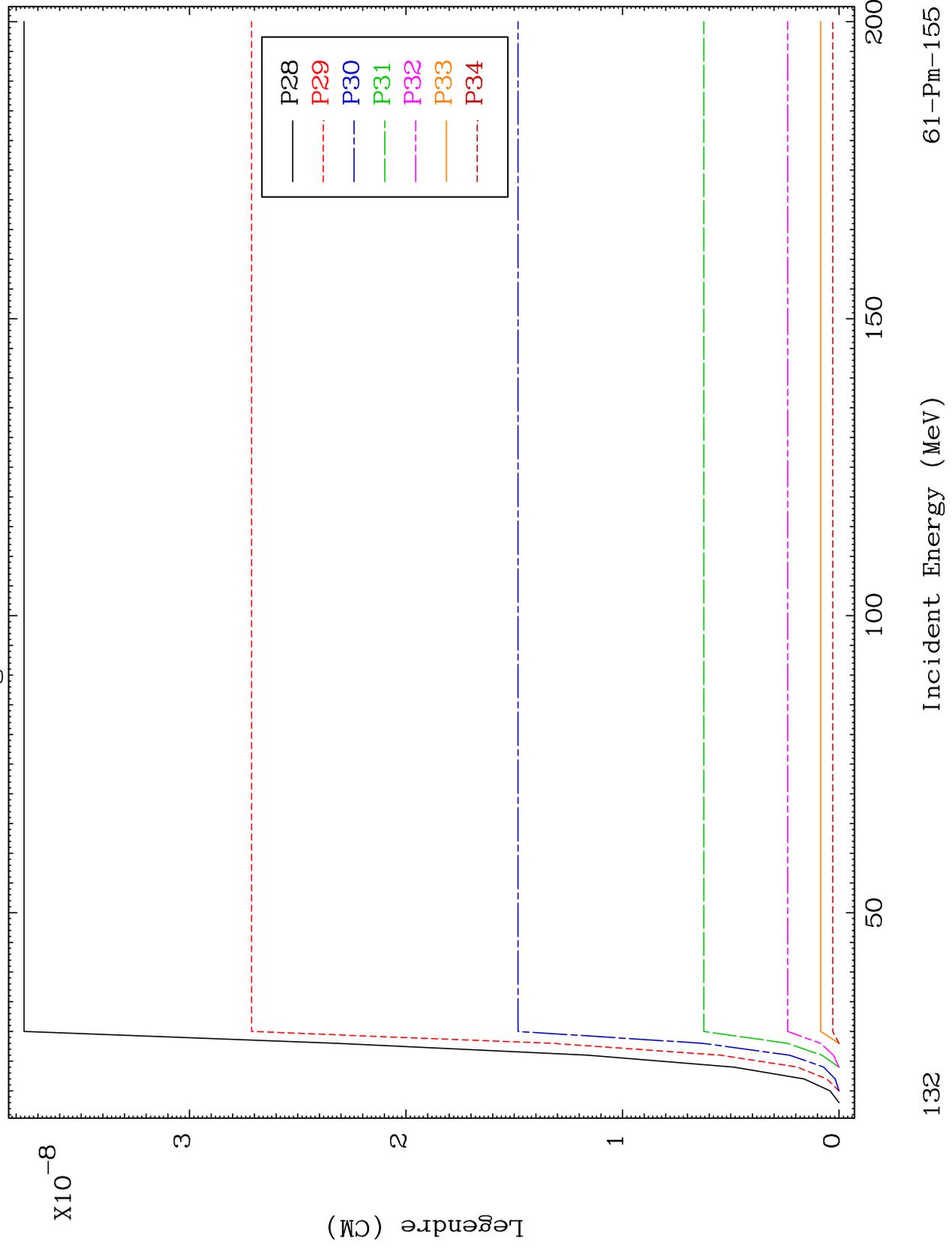
61-Pm-155



MAT 6173

MT= 79 (n,n') Level
Legendre Coefficients

61-Pm-155



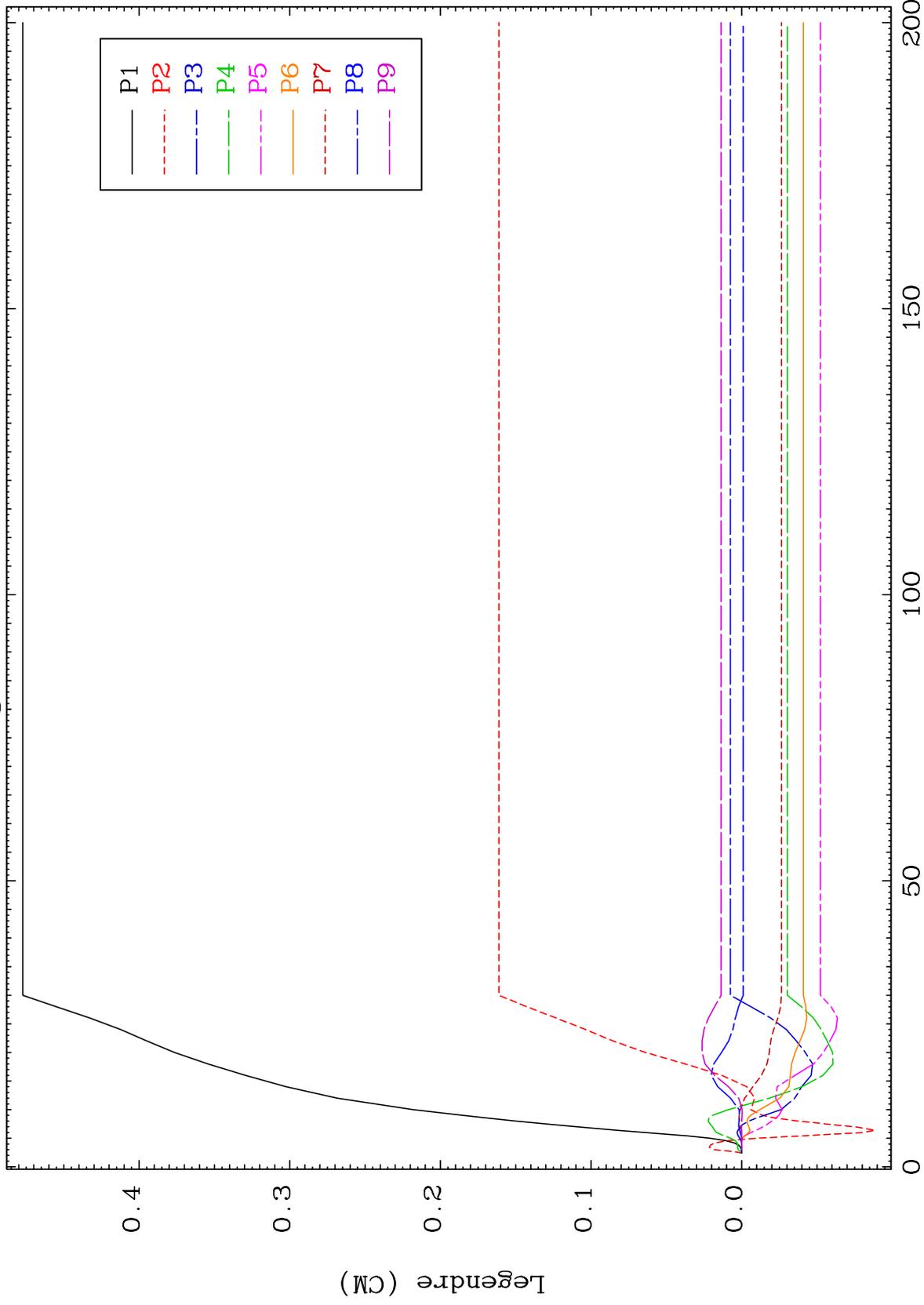
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61-Pm-155

MAT 6173

MT= 80 (n,n') Level
Legendre Coefficients

61-Pm-155



133

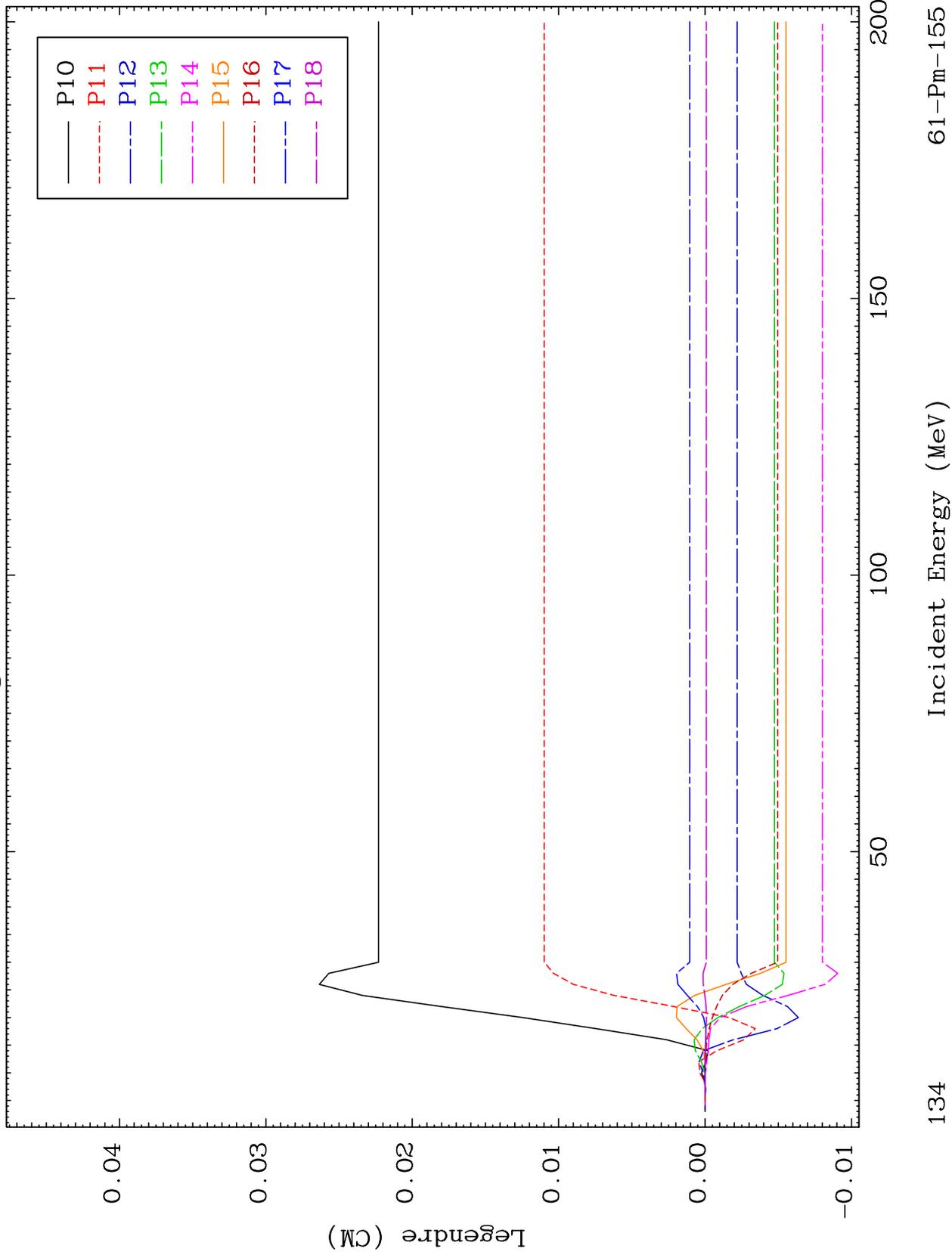
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 80 (n,n') Level
Legendre Coefficients

61-Pm-155



134

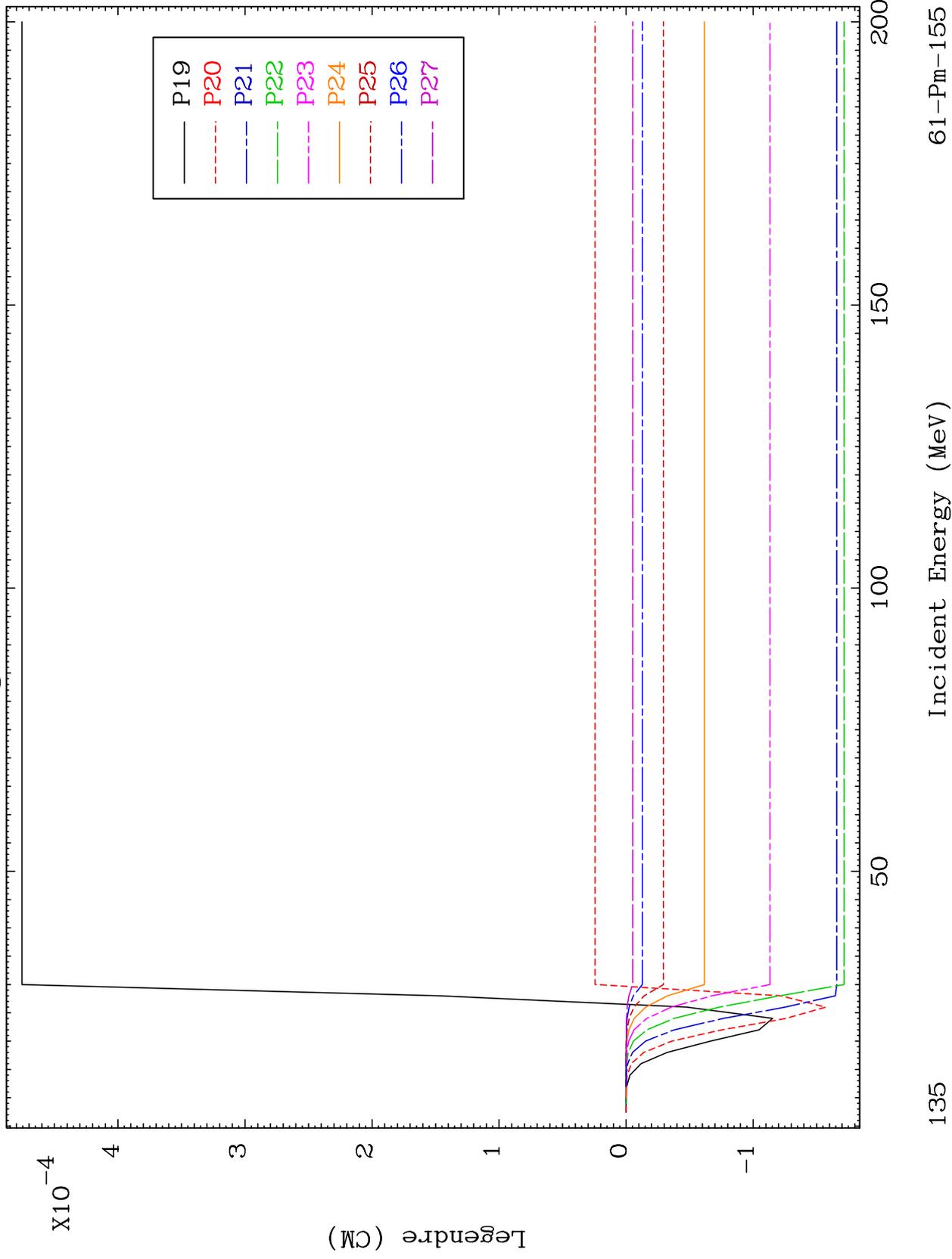
Incident Energy (MeV)

61-Pm-155

MAT 6173

MT= 80 (n,n') Level
Legendre Coefficients

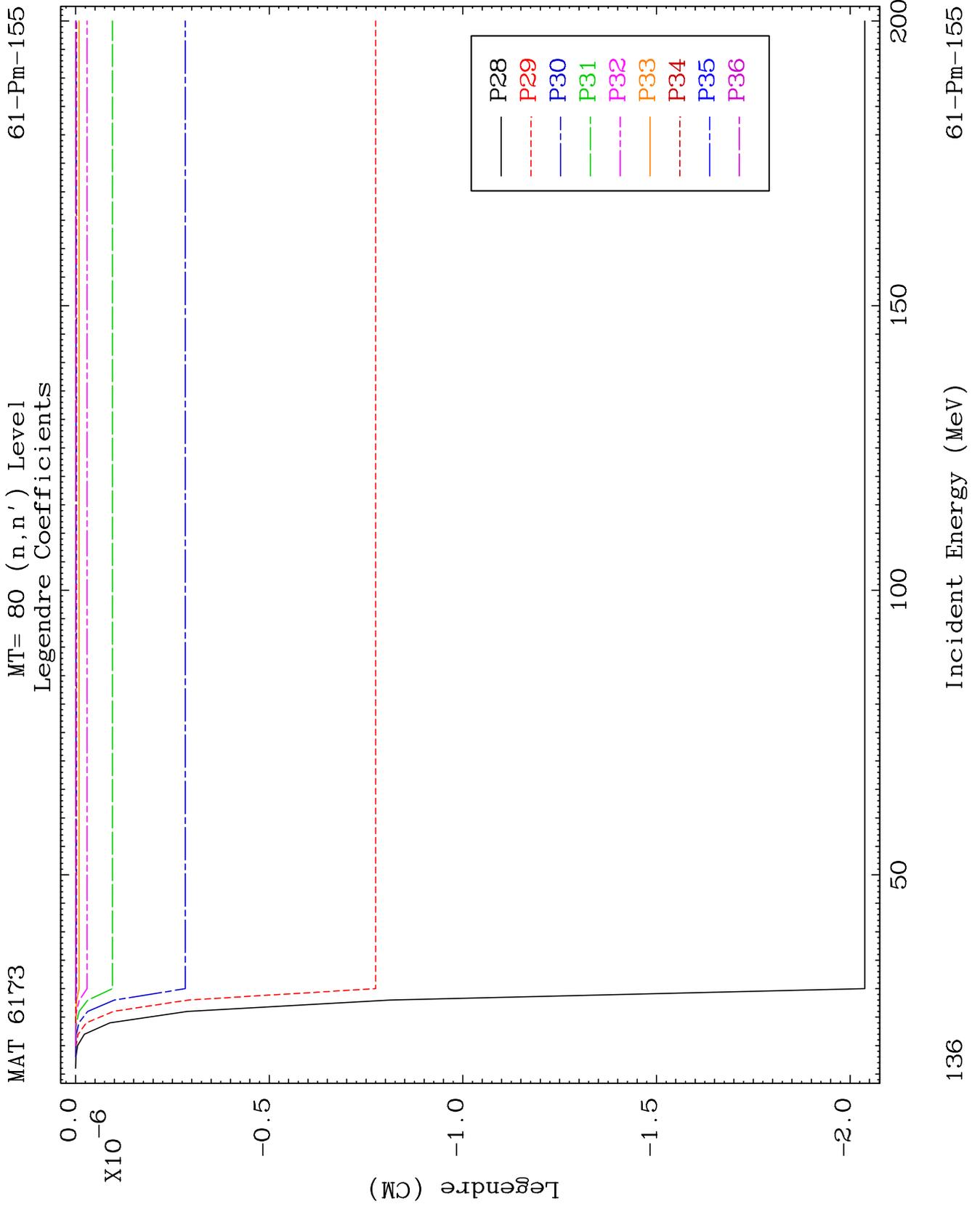
61-Pm-155



135

Incident Energy (MeV)

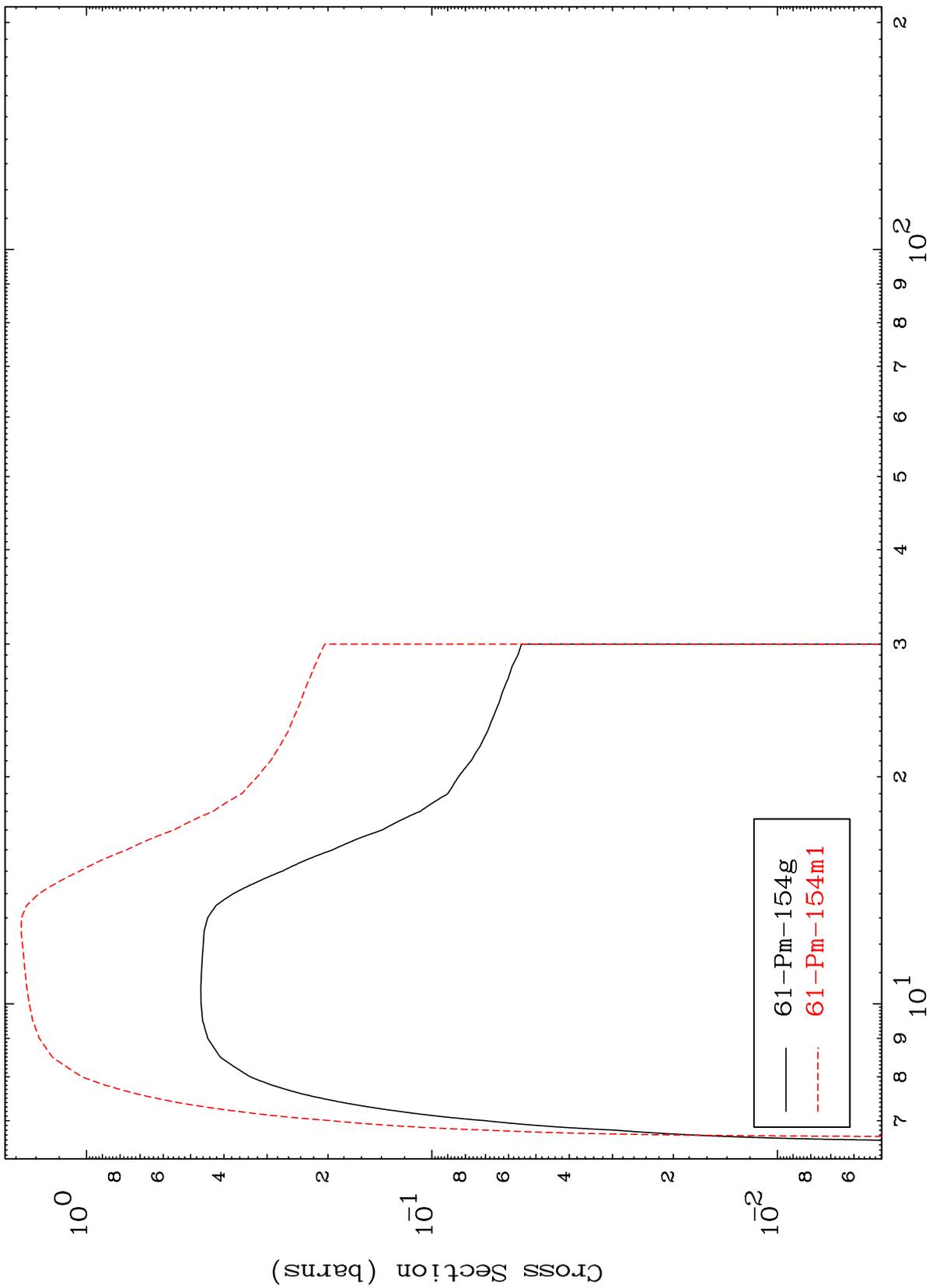
61-Pm-155



MAT 6173

61-Pm-155

(n,2n)
Radionuclide Production Cross Section



137

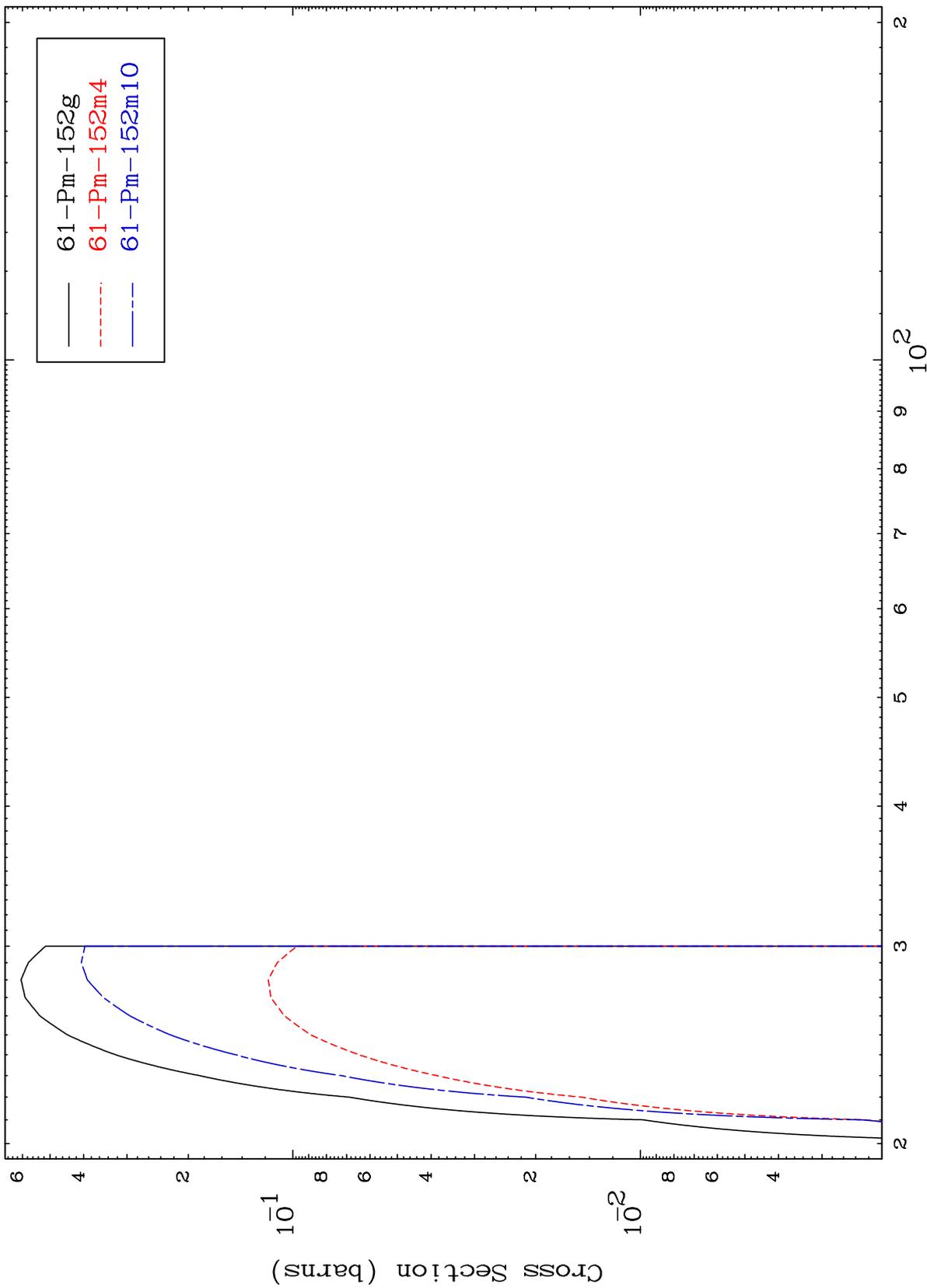
Incident Energy (MeV)

61-Pm-155

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61-Pm-155

(n,4n)
Radionuclide Production Cross Section



61-Pm-155

Incident Energy (MeV)

138

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61-Pm-155

(n, γ)
Radionuclide Production Cross Section

