

Program EVALPLOT
(Version 2017-1)

by

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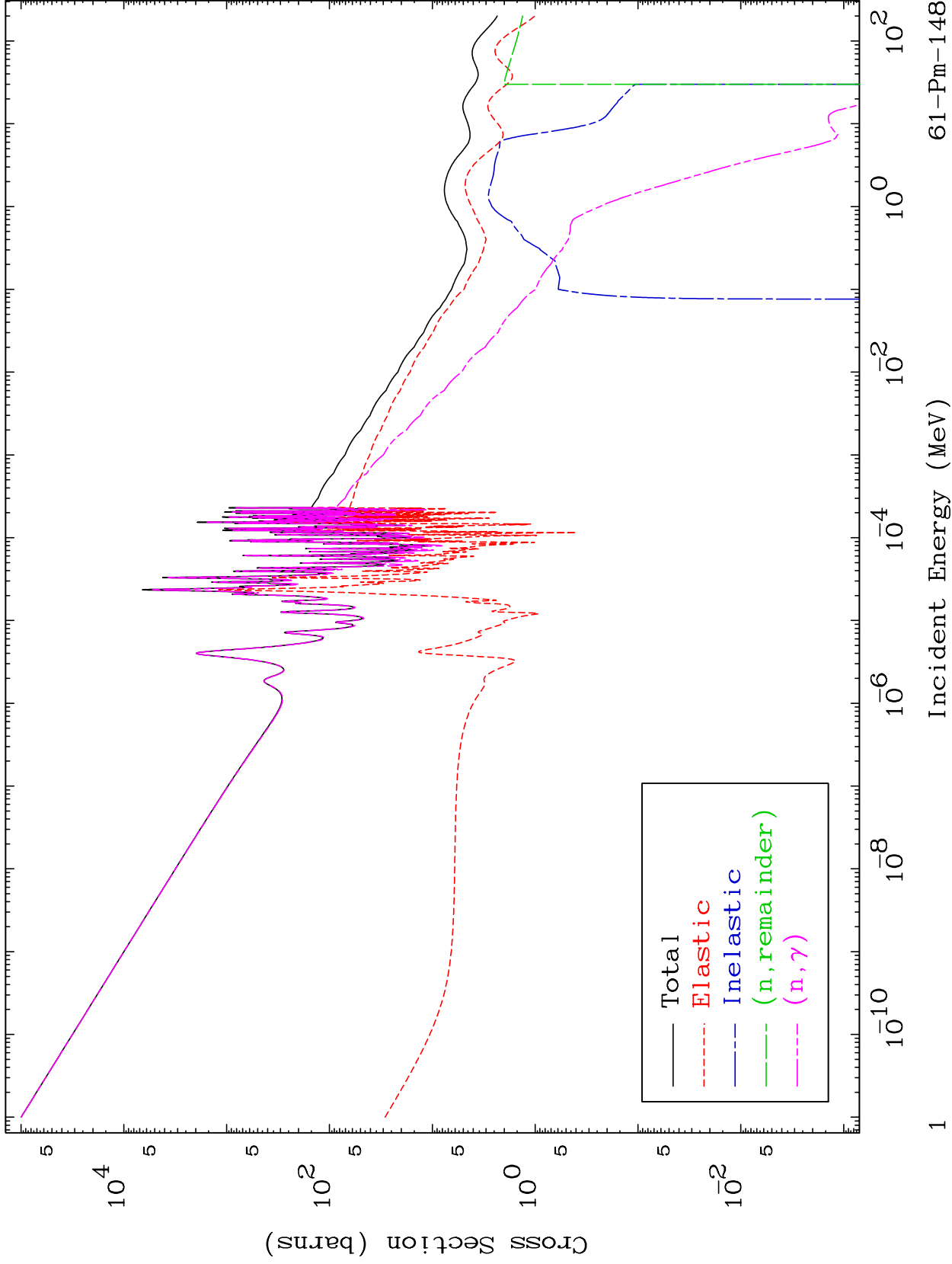
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Press Mouse Button to Start

MAT 6152

Major
293 Kelvin Cross Sections

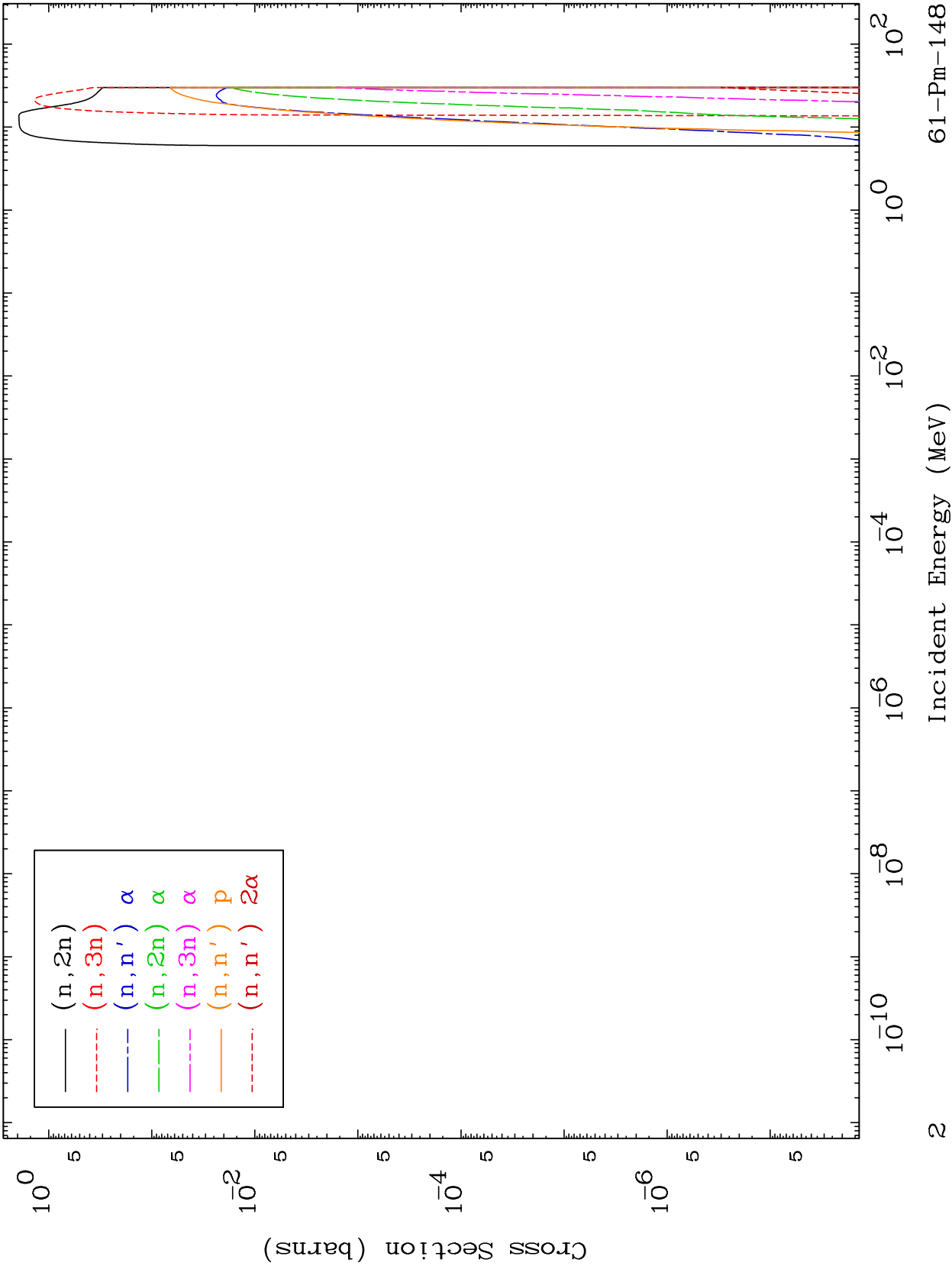
61-Pm-148



MAT 6152

Neutron Production
293 Kelvin Cross Sections

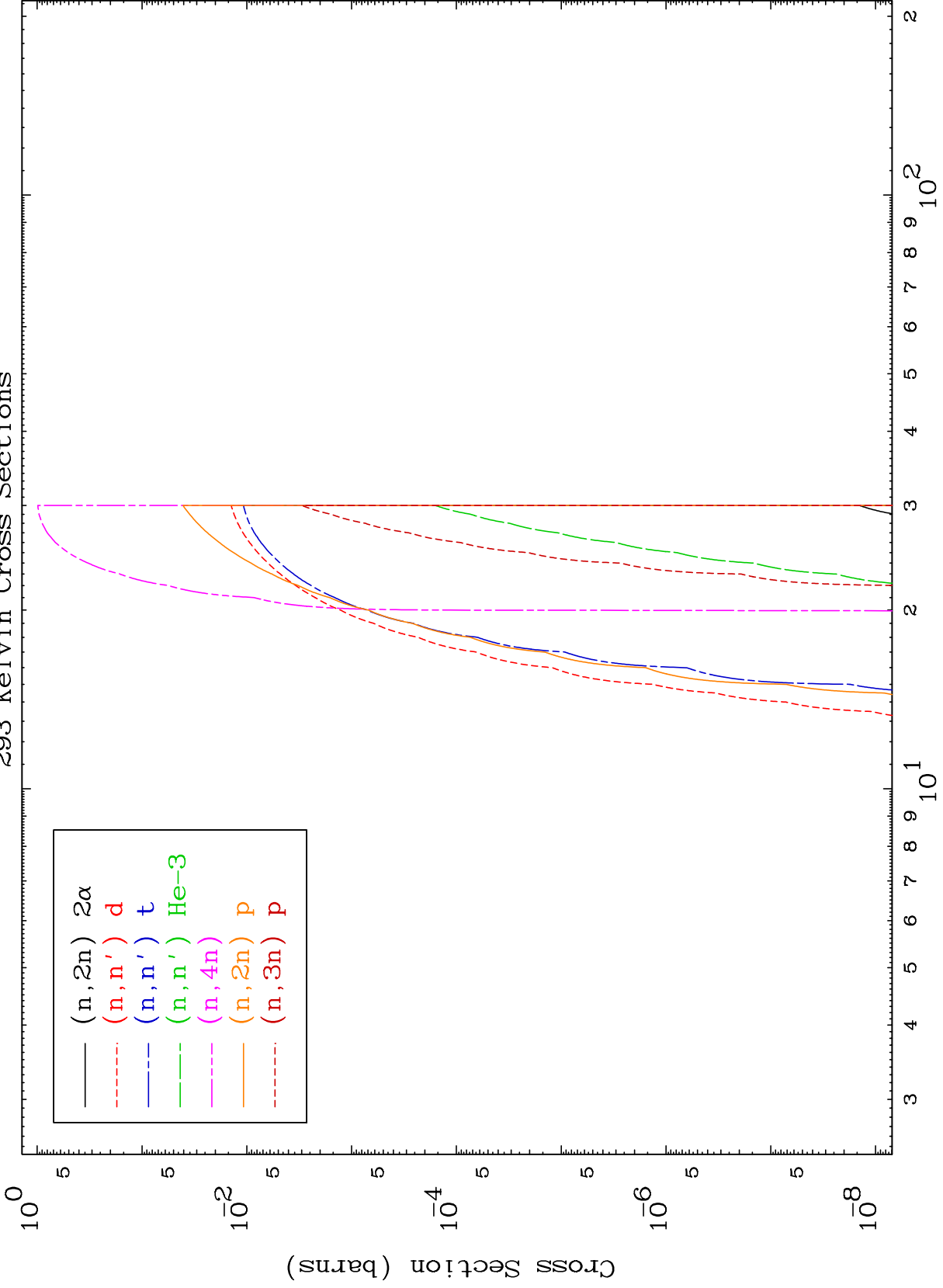
61-Pm-148



MAT 6152

Neutron Production
293 Kelvin Cross Sections

61-Pm-148



Incident Energy (MeV)

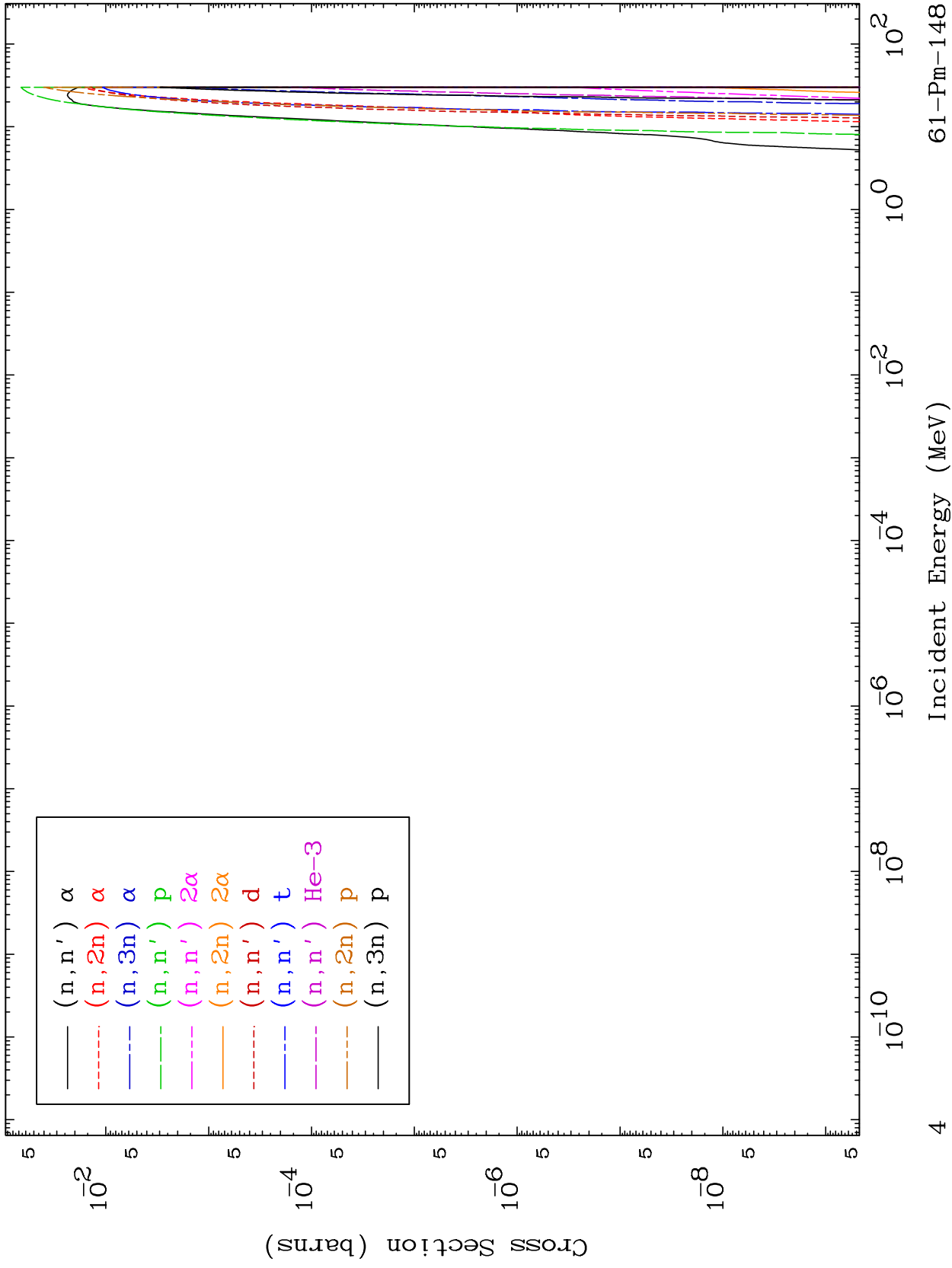
61-Pm-148

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MAT 6152

Charged Particle
293 Kelvin Cross Sections

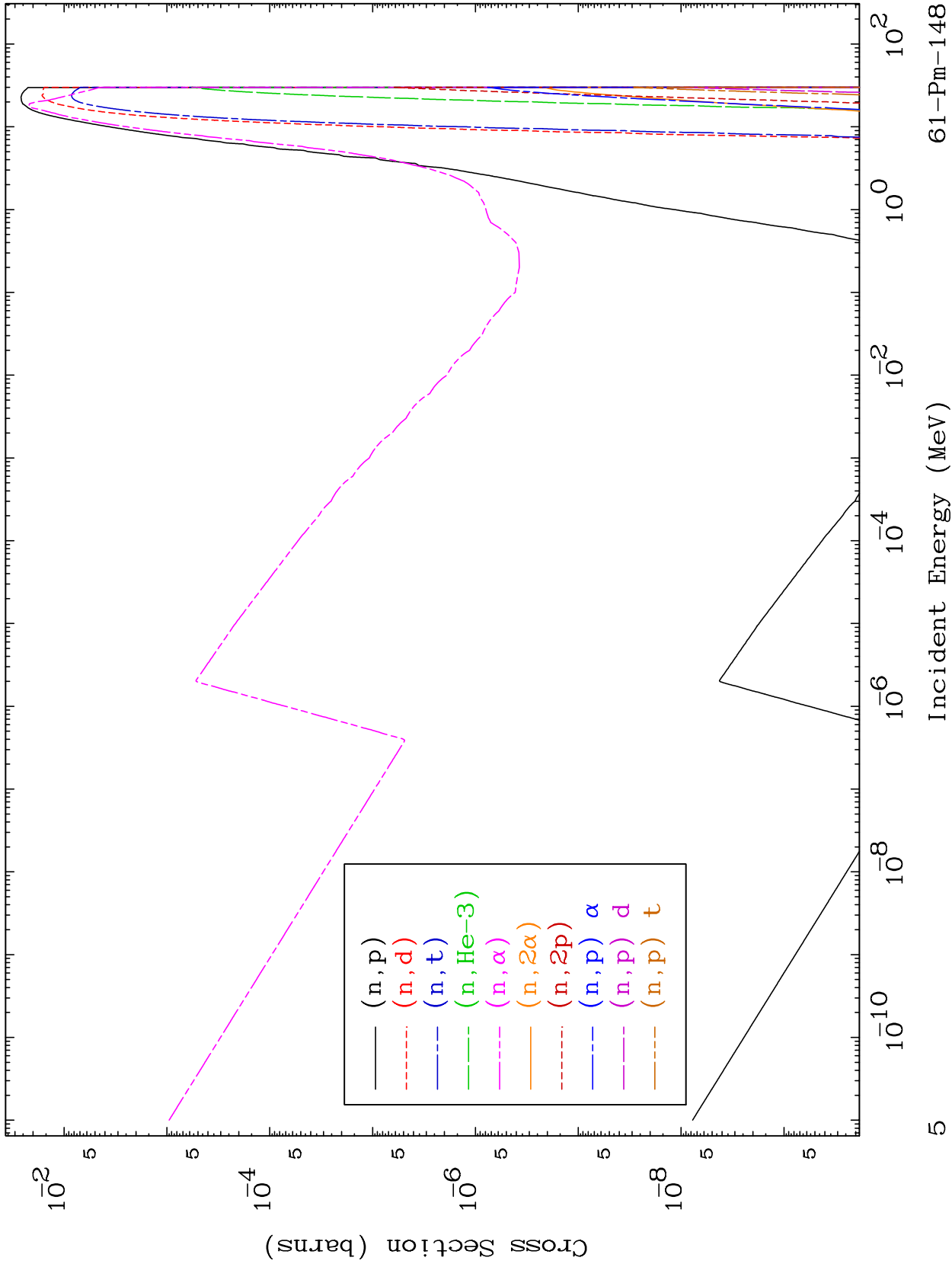
61-Pm-148



MAT 6152

Charged Particle
293 Kelvin Cross Sections

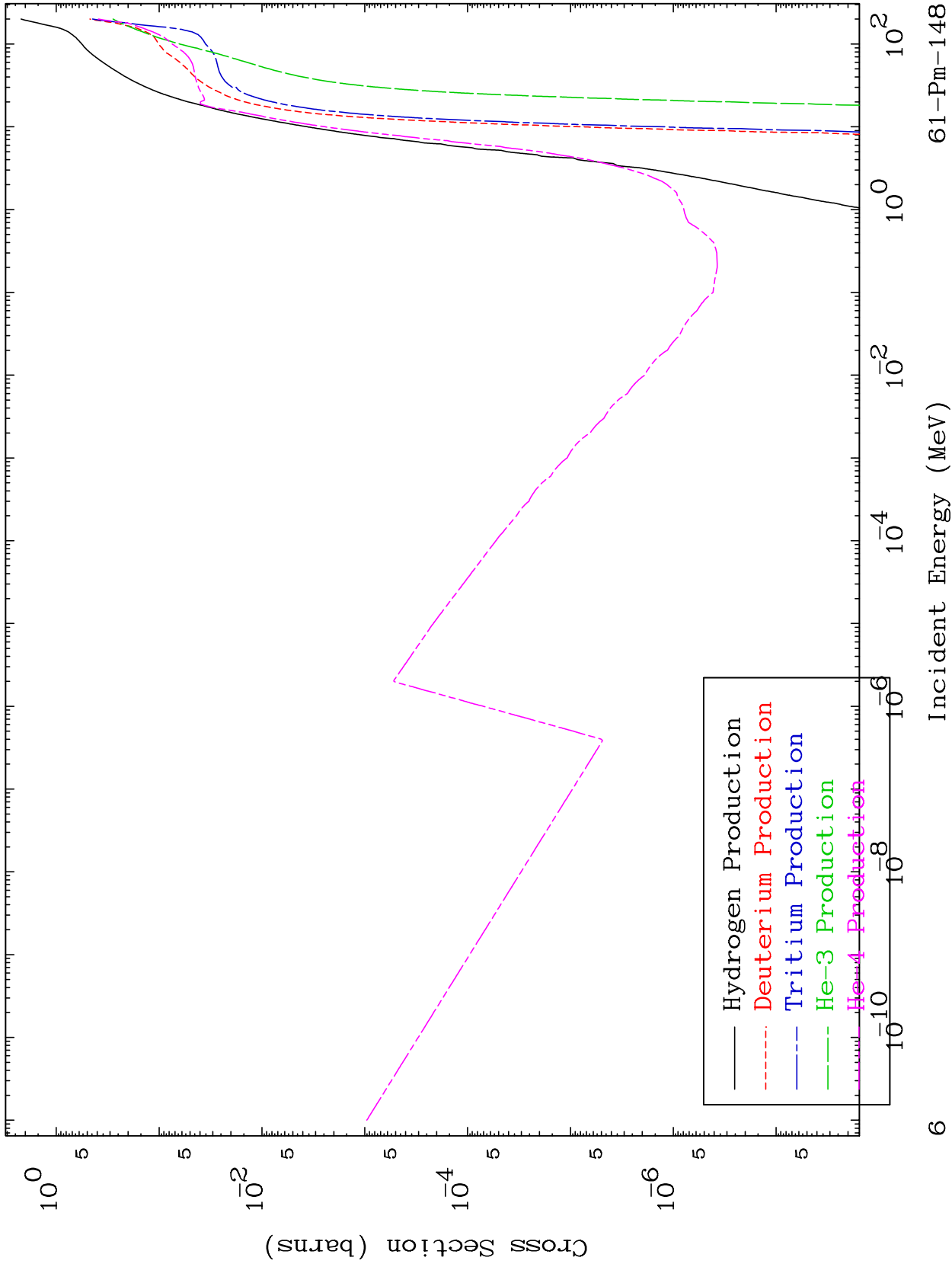
61-Pm-148



MAT 6152

Particle Production
293 Kelvin Cross Sections

61-Pm-148

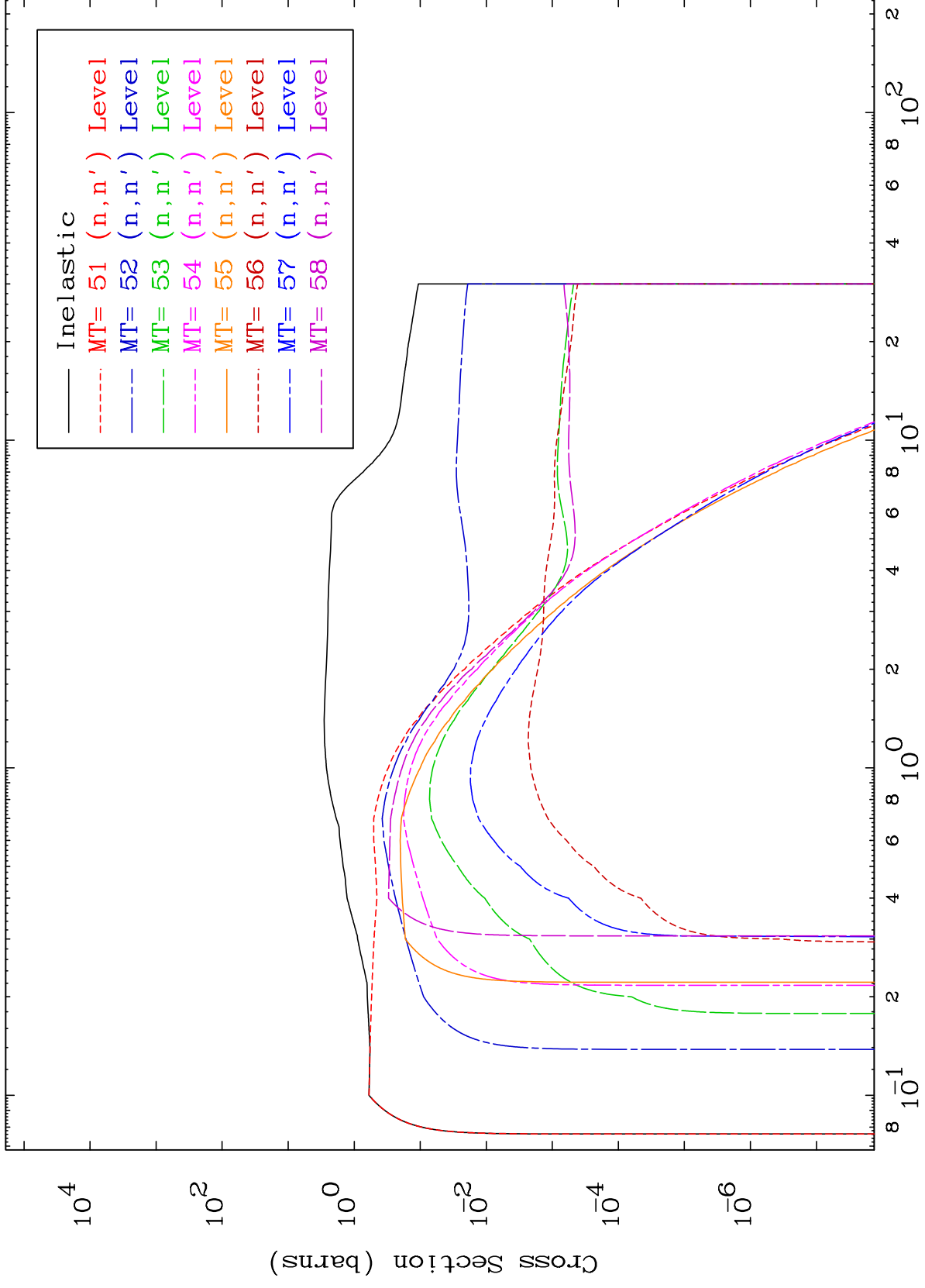


MAT 6152

(n,n') Level

61-Pm-148

293 Kelvin Cross Sections

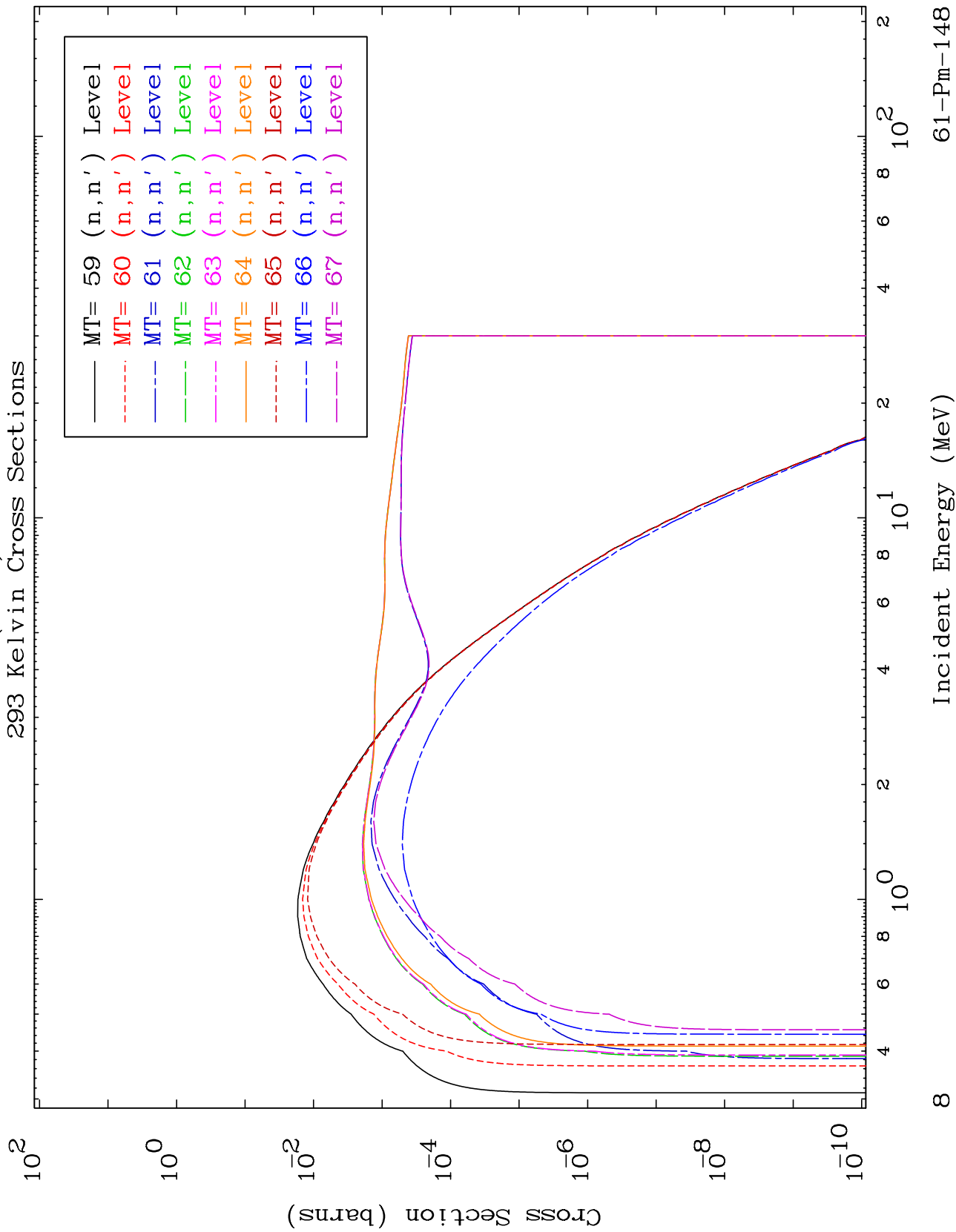


MAT 6152

(n,n') Level

293 Kelvin Cross Sections

61-Pm-148

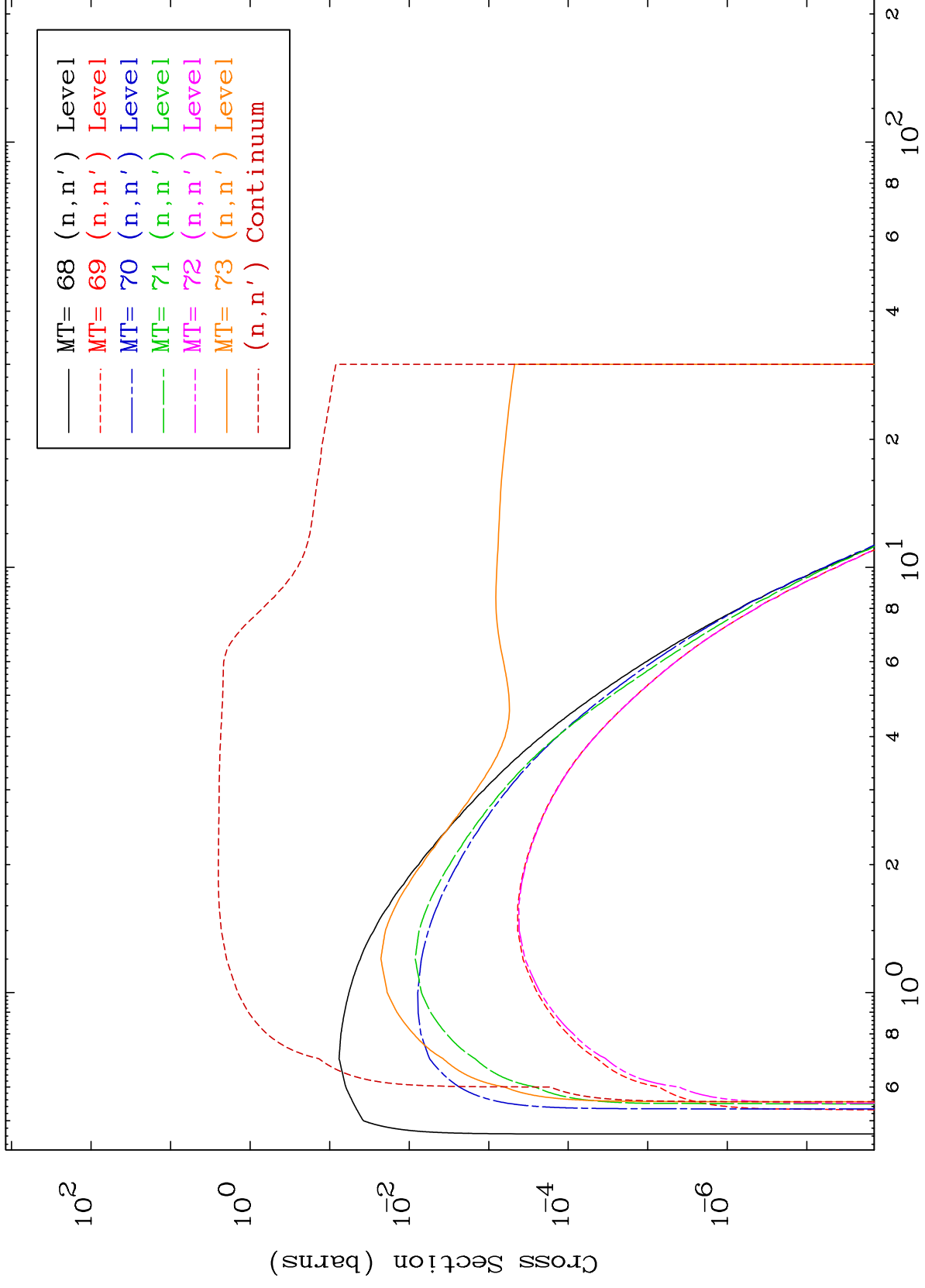


8

Incident Energy (MeV)

61-Pm-148

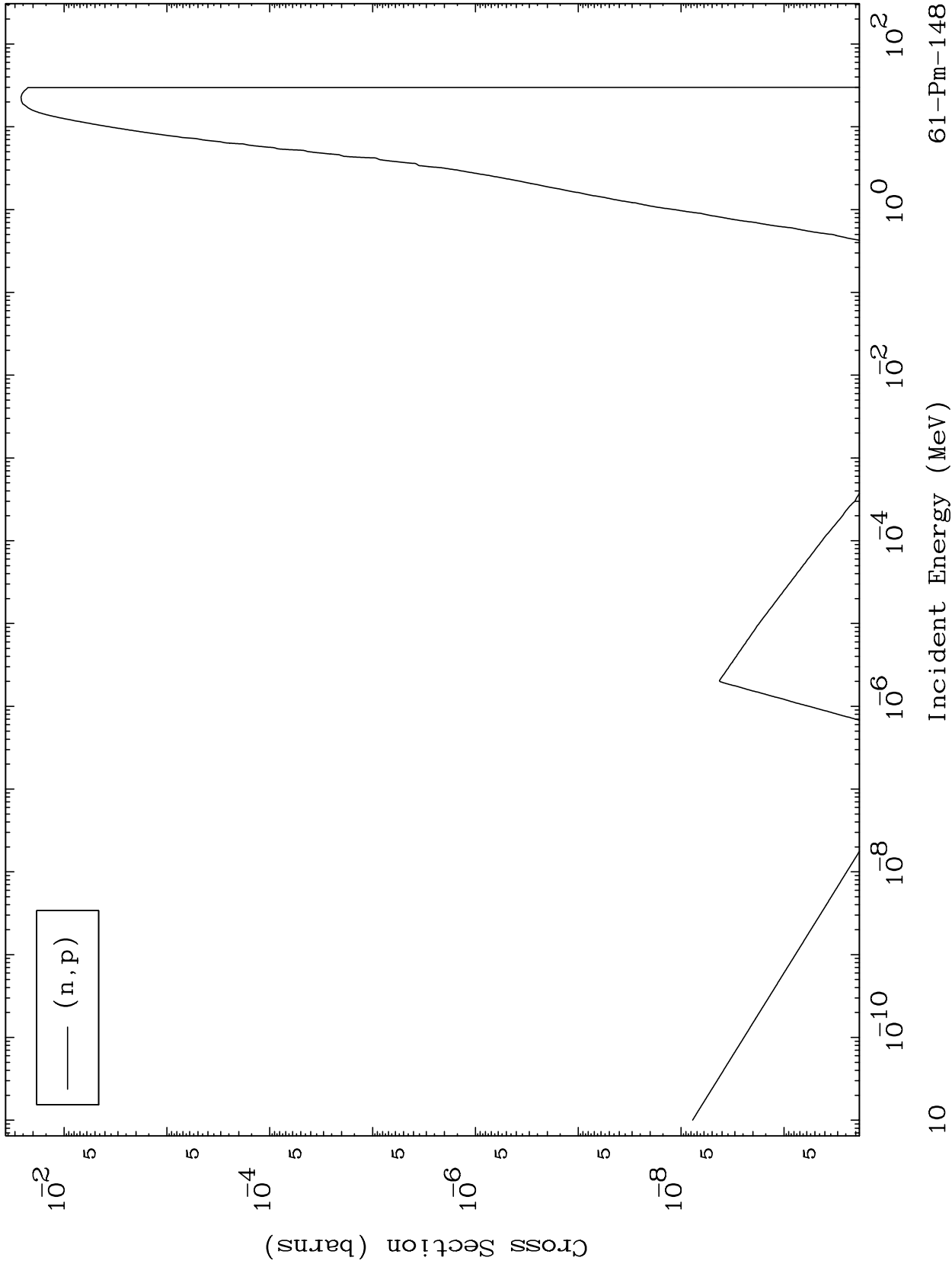
293 Kelvin Cross Sections



MAT 6152

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-148



10

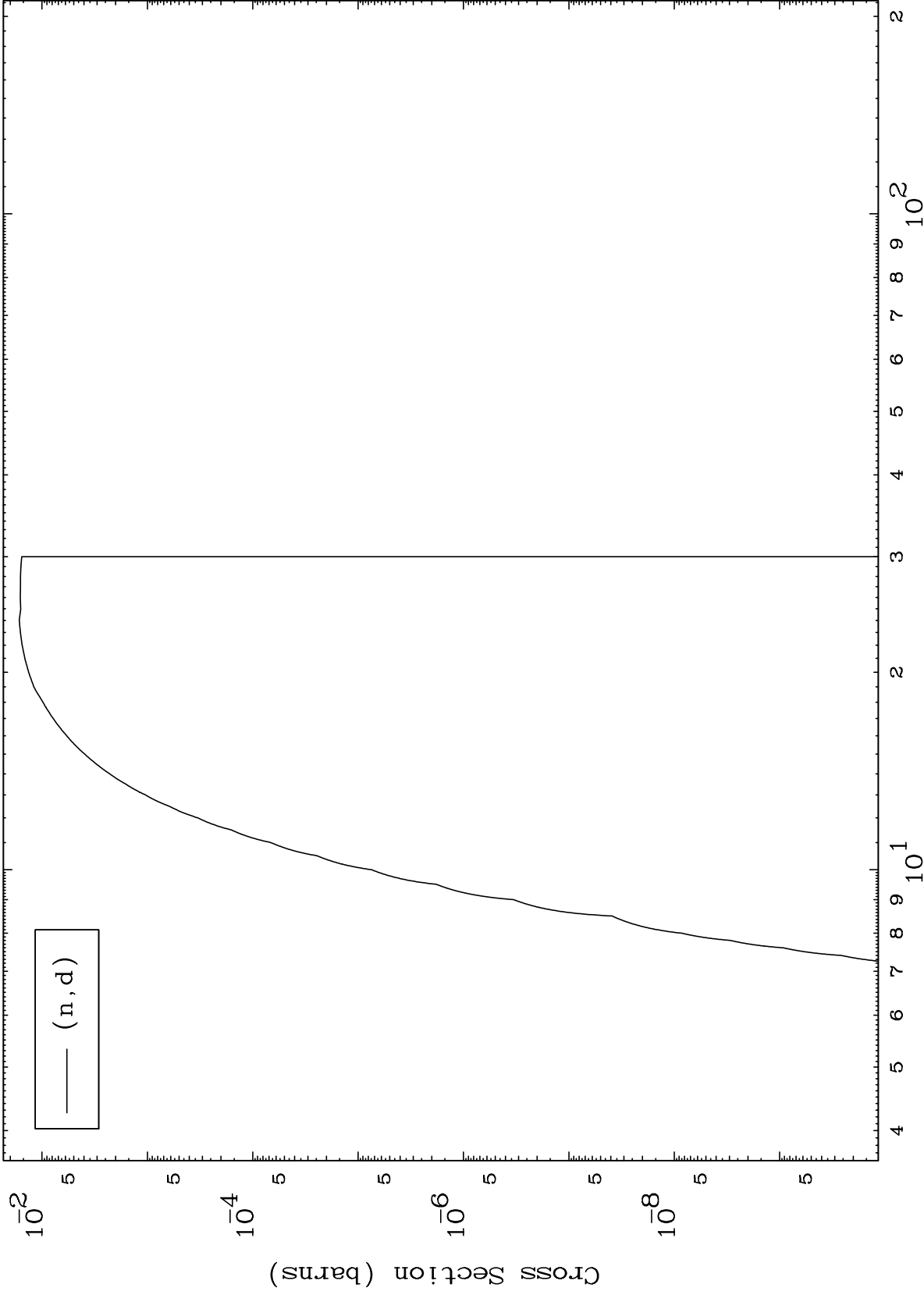
Incident Energy (MeV)

61-Pm-148

MAT 6152

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-148



11

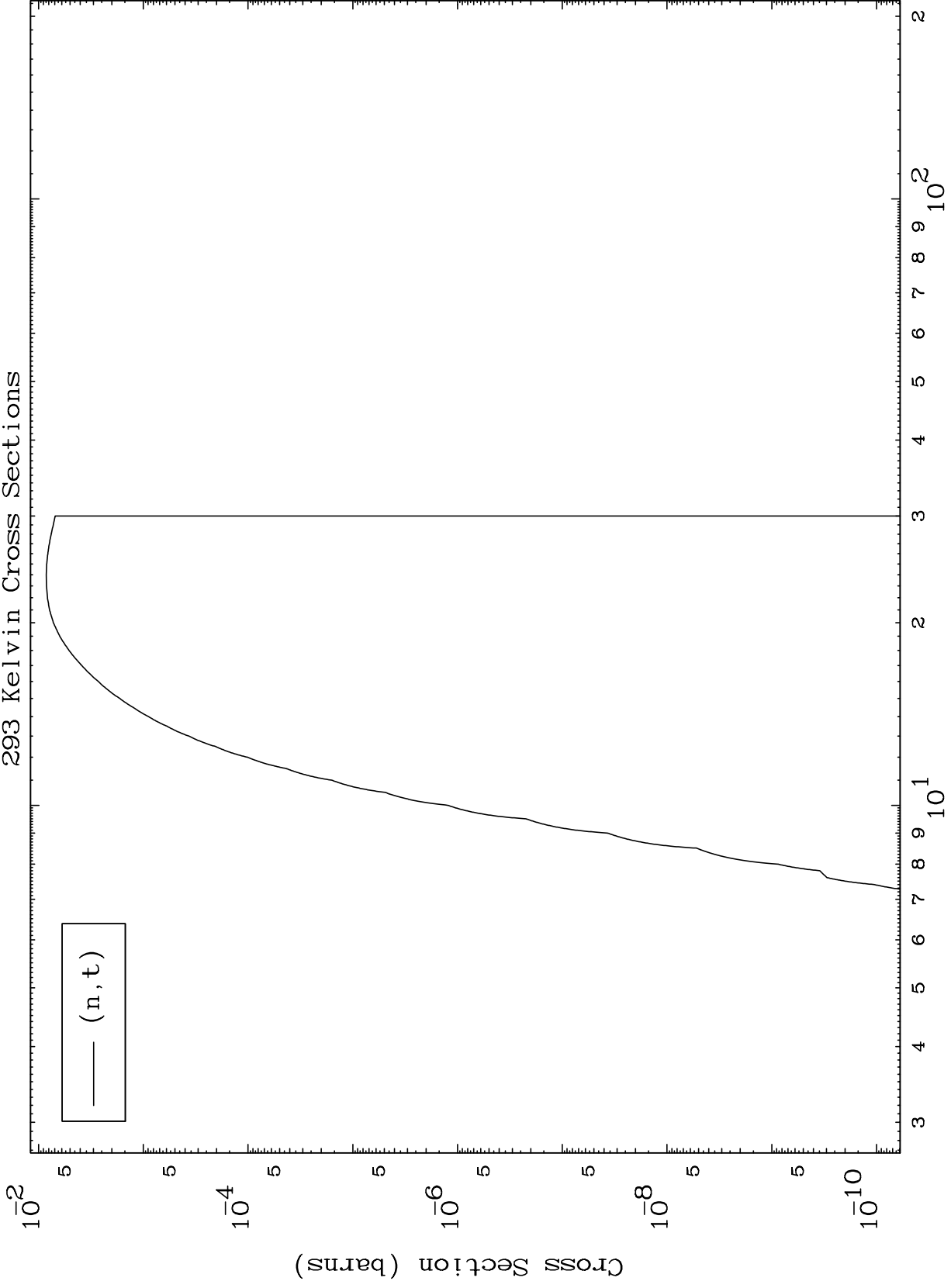
Incident Energy (MeV)

61-Pm-148

MAT 6152

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-148



12

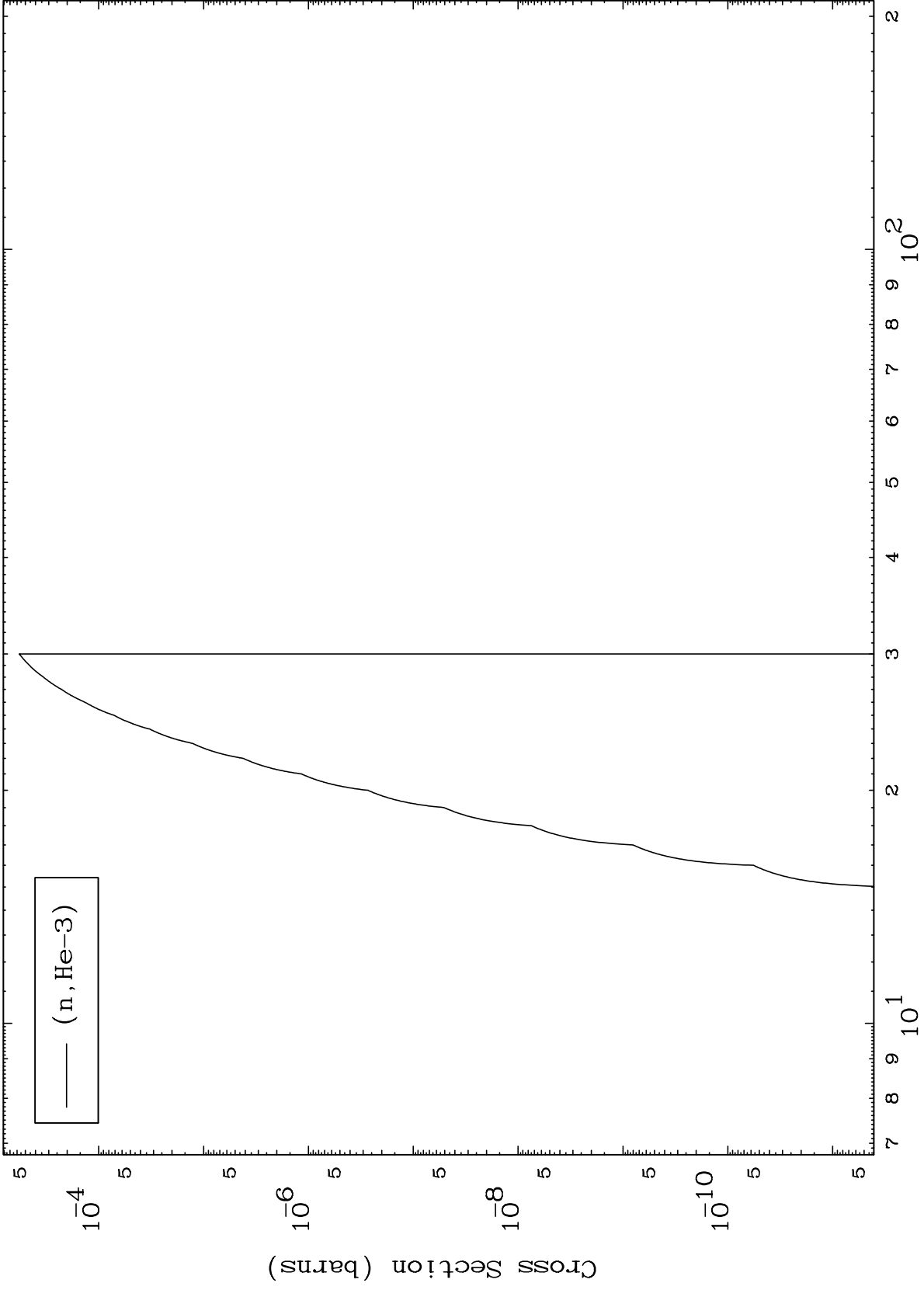
Incident Energy (MeV)

61-Pm-148

MAT 6152

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-148



13

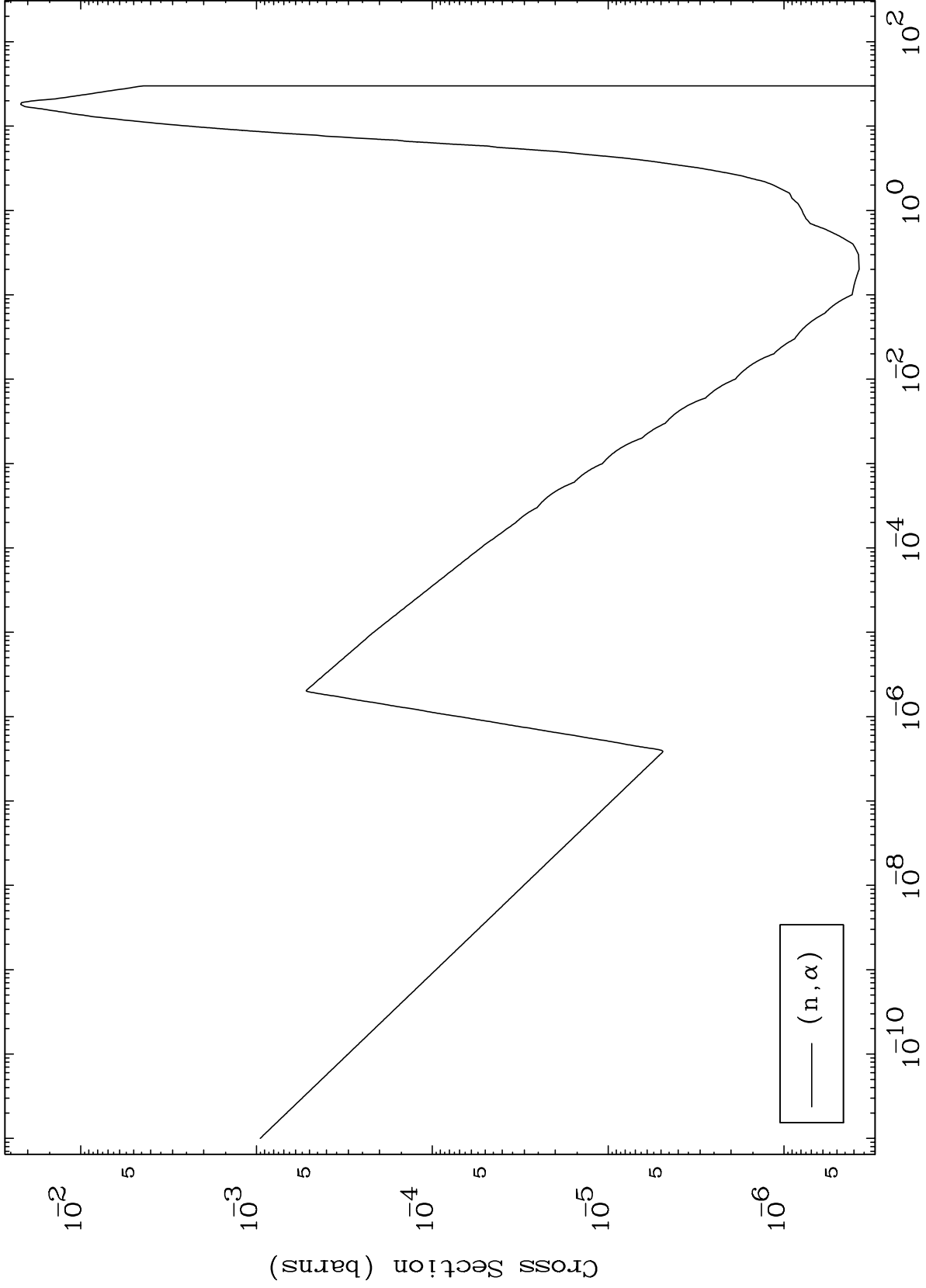
Incident Energy (MeV)

61-Pm-148

MAT 6152

(n,α) Levels
293 Kelvin Cross Sections

61-Pm-148

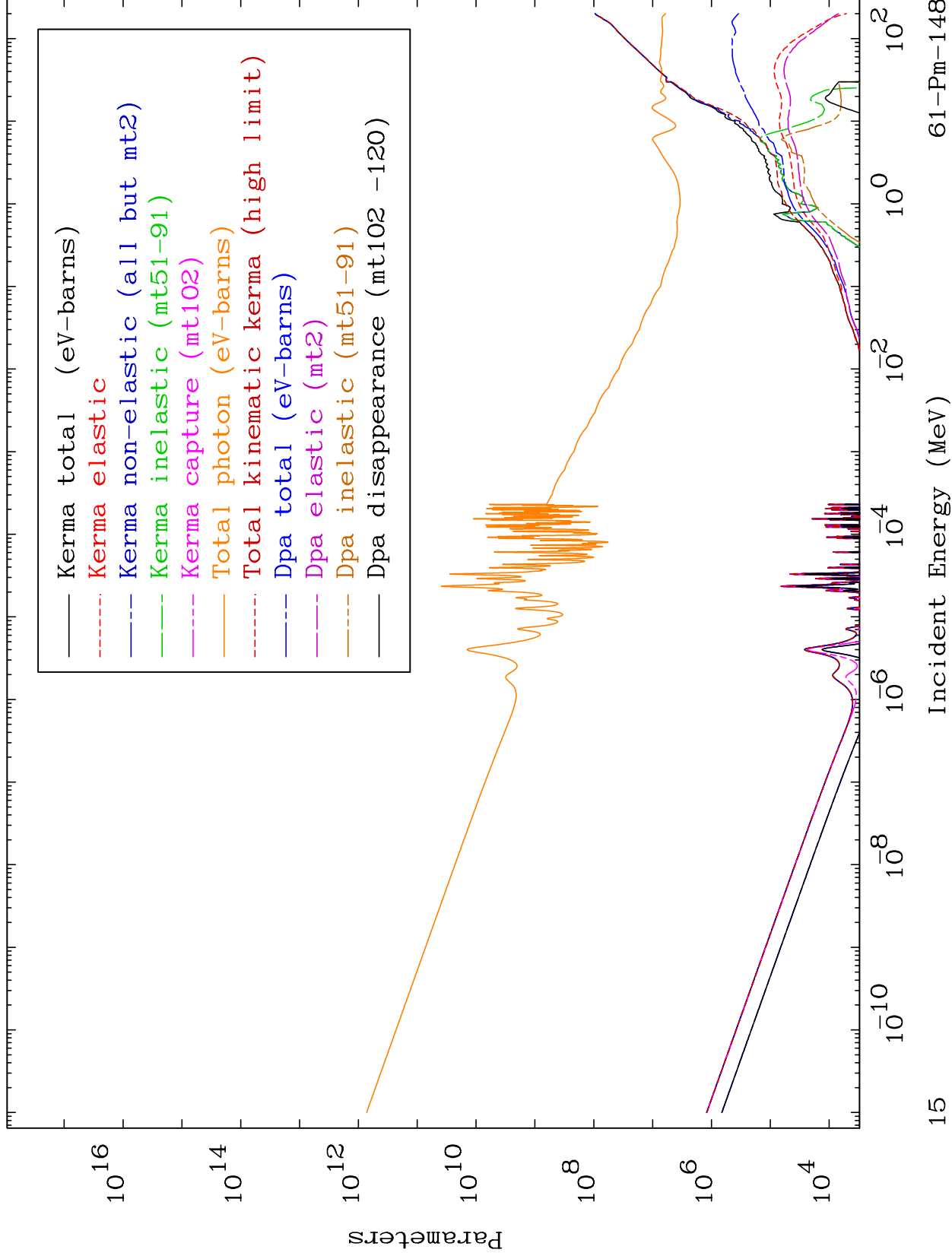


Incident Energy (MeV)

61-Pm-148

(n,α)

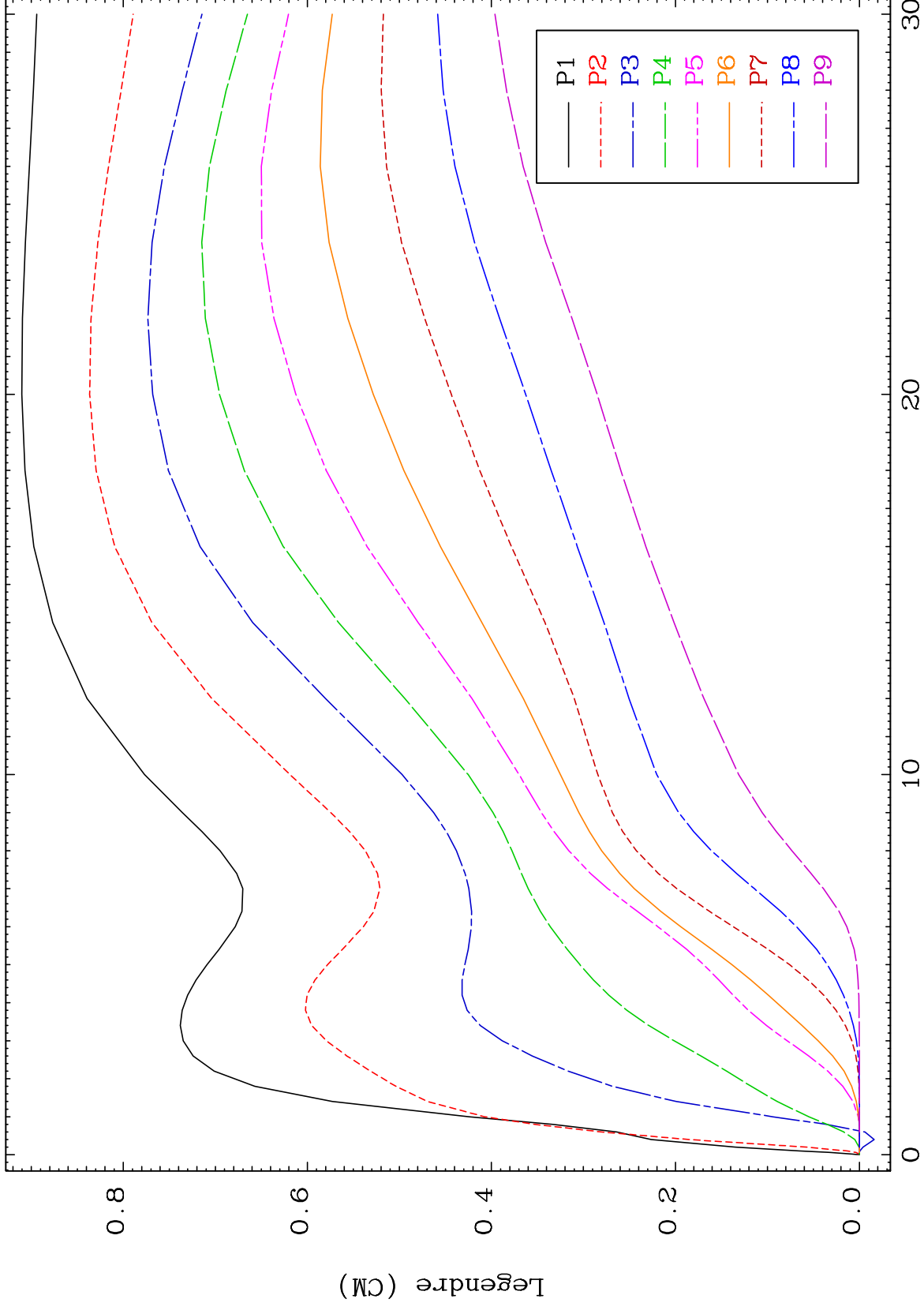
14



MAT 6152

Elastic Legendre Coefficients

61-Pm-148



16

Incident Energy (MeV)

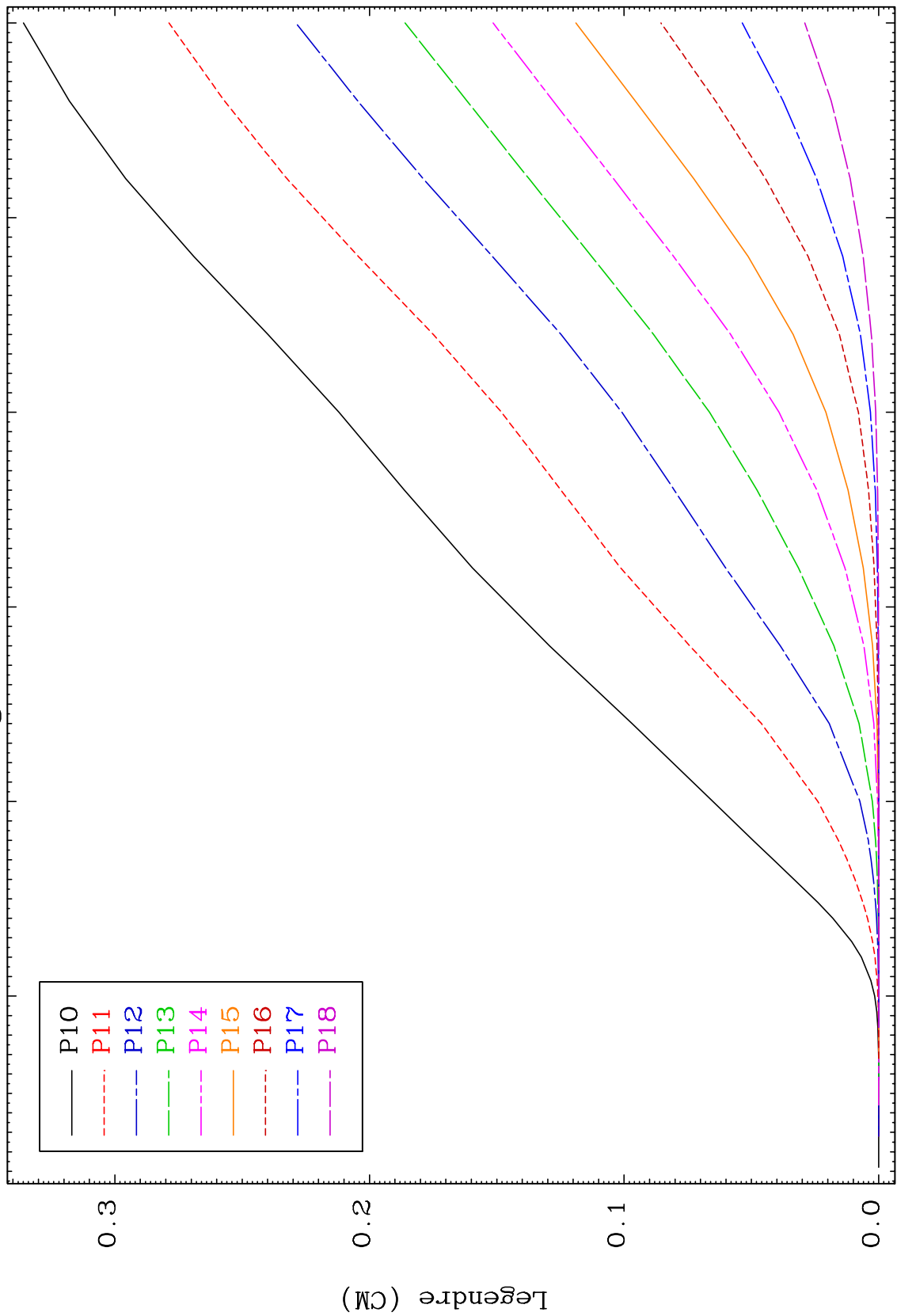
61-Pm-148

30

MAT 6152

Elastic Legendre Coefficients

61-Pm-148



17

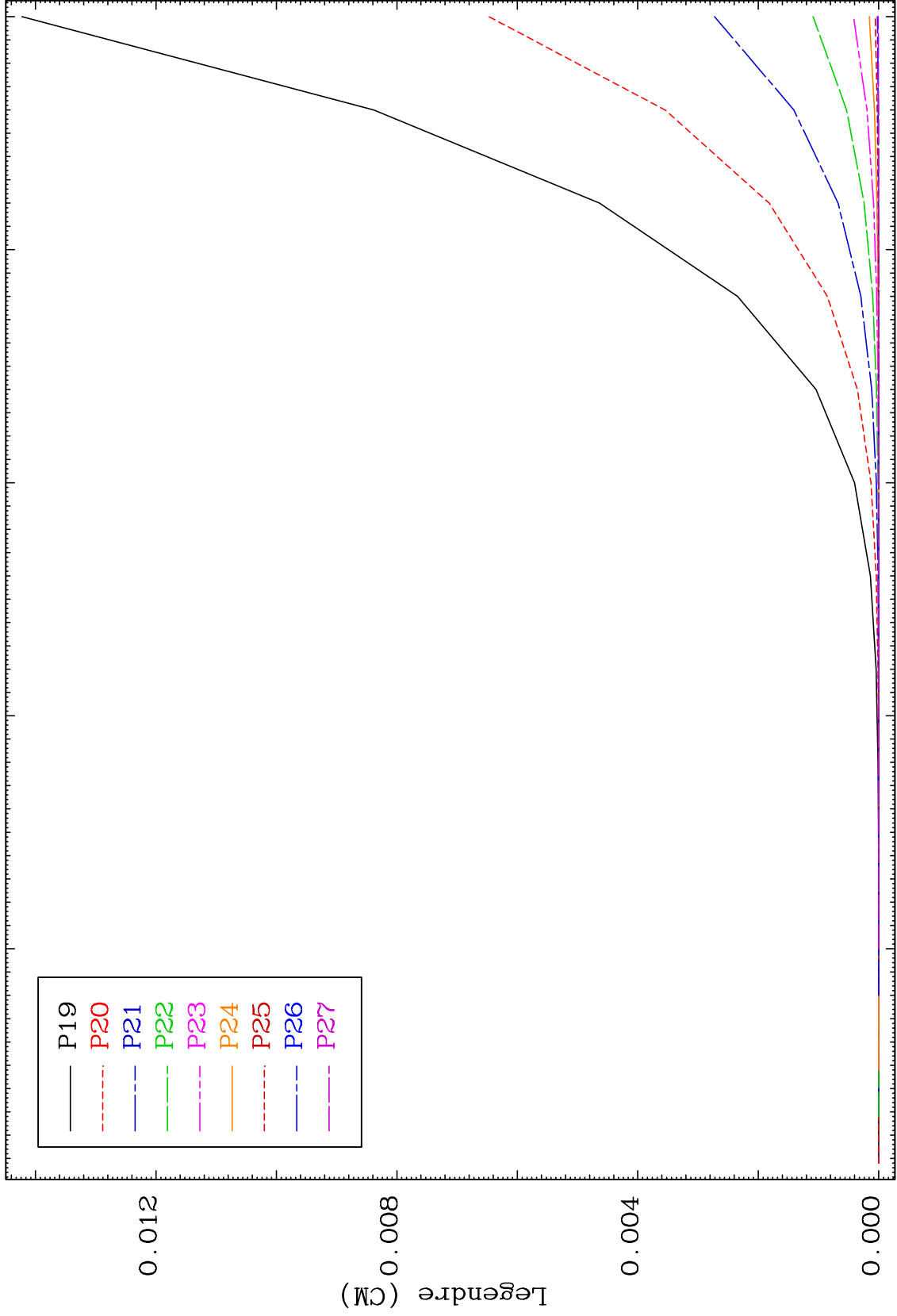
Incident Energy (MeV)

61-Pm-148

MAT 6152

Elastic Legendre Coefficients

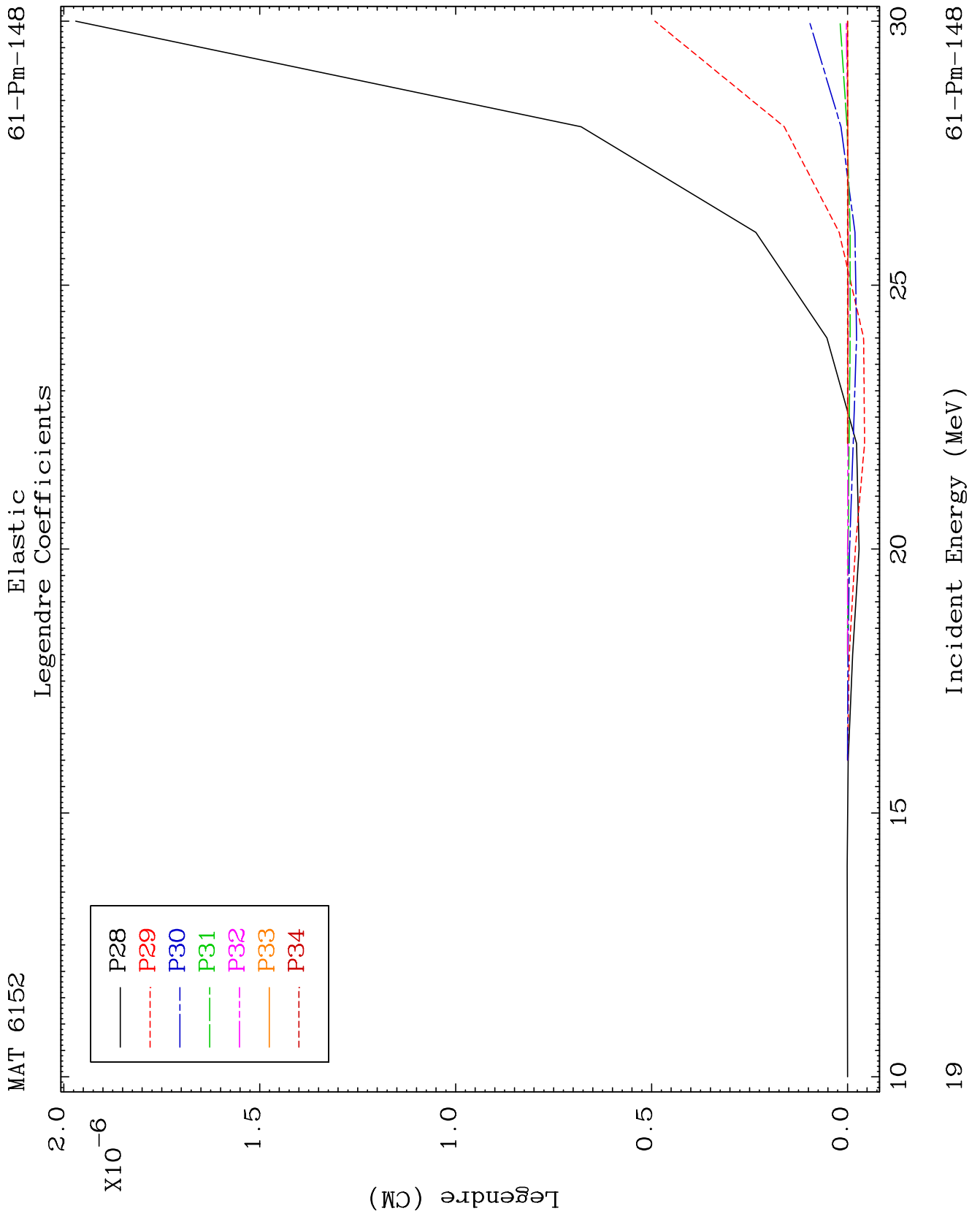
61-Pm-148



18

Incident Energy (MeV)

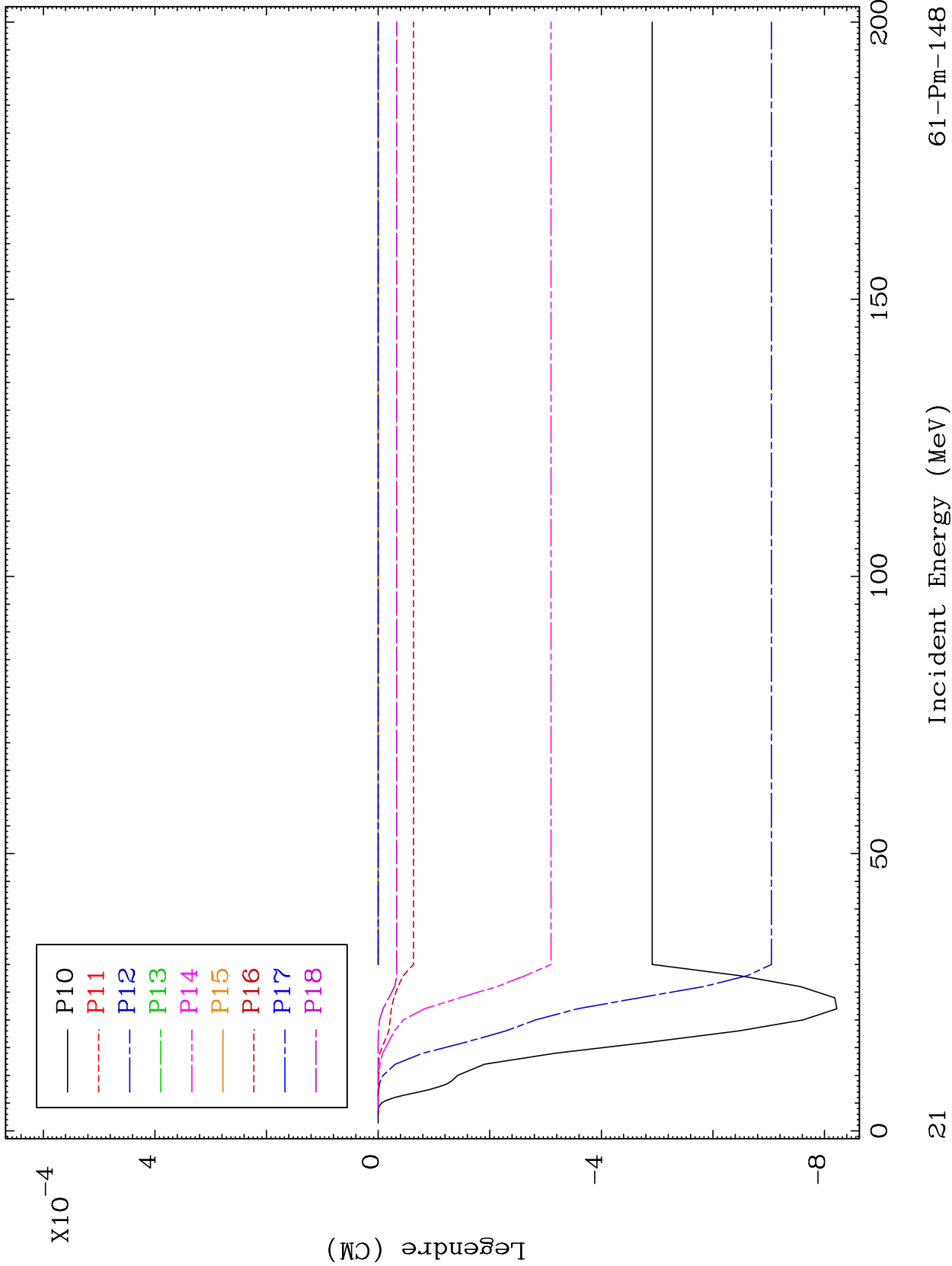
61-Pm-148



MAT 6152

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

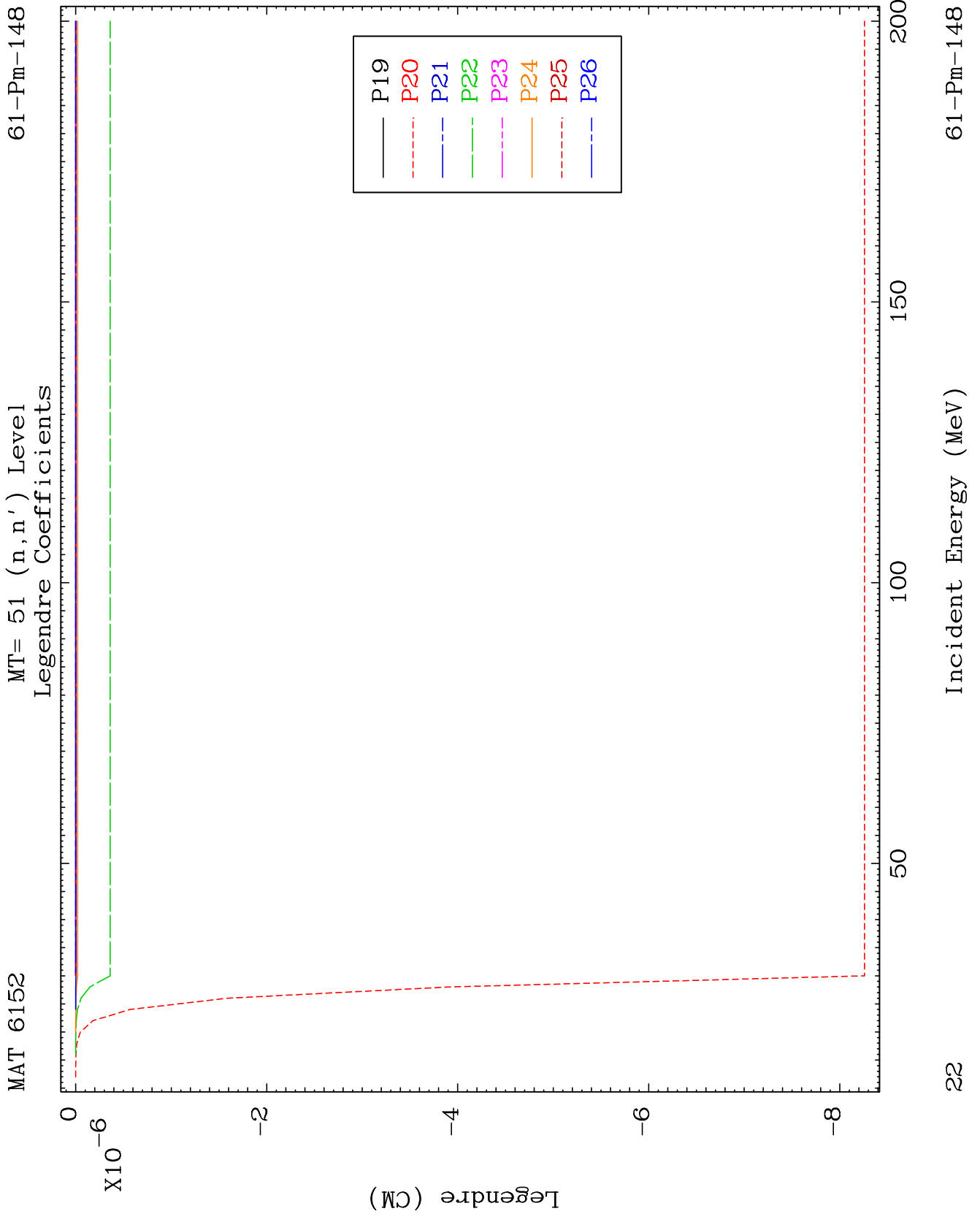
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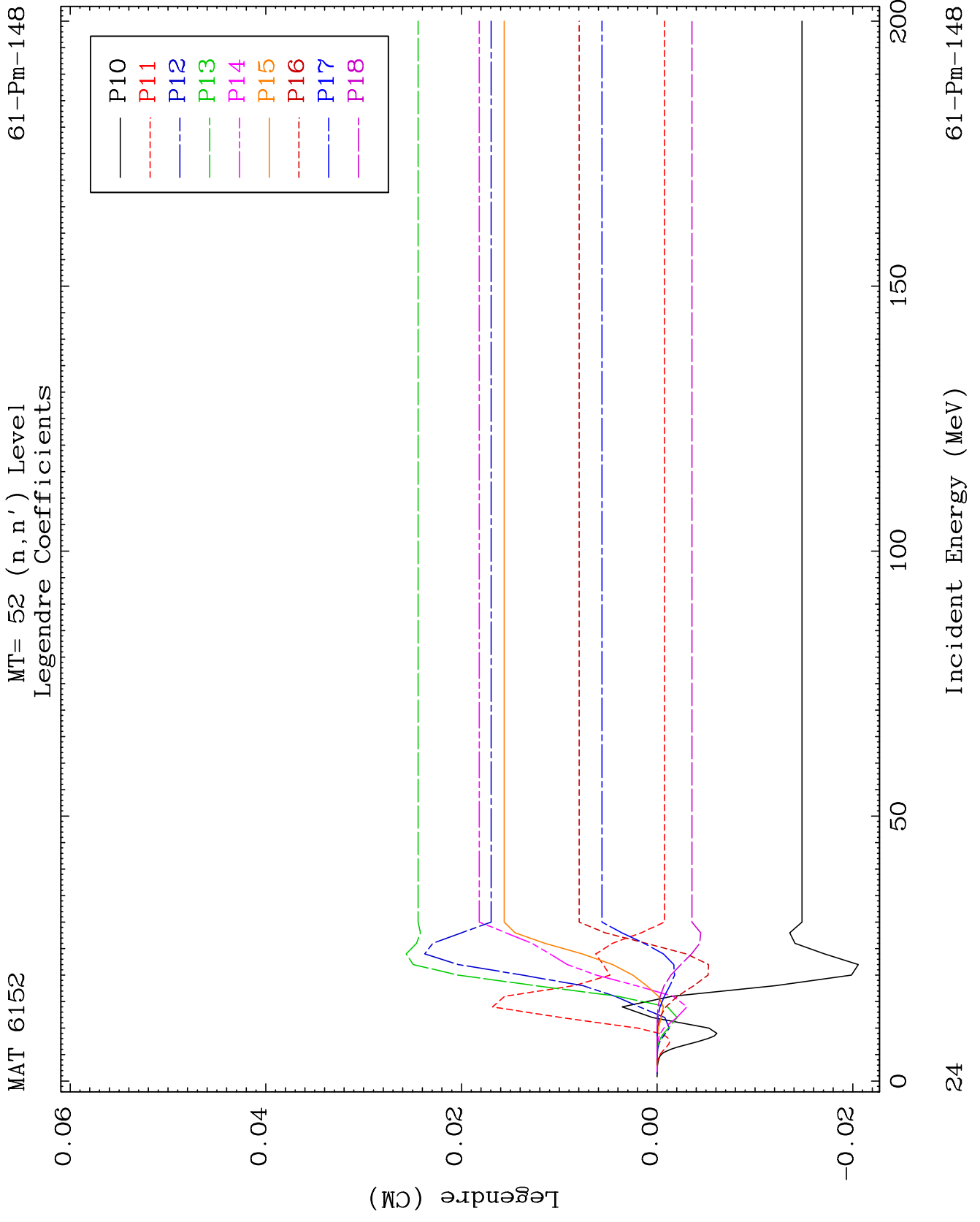


21

Incident Energy (MeV)

61-Pm-148

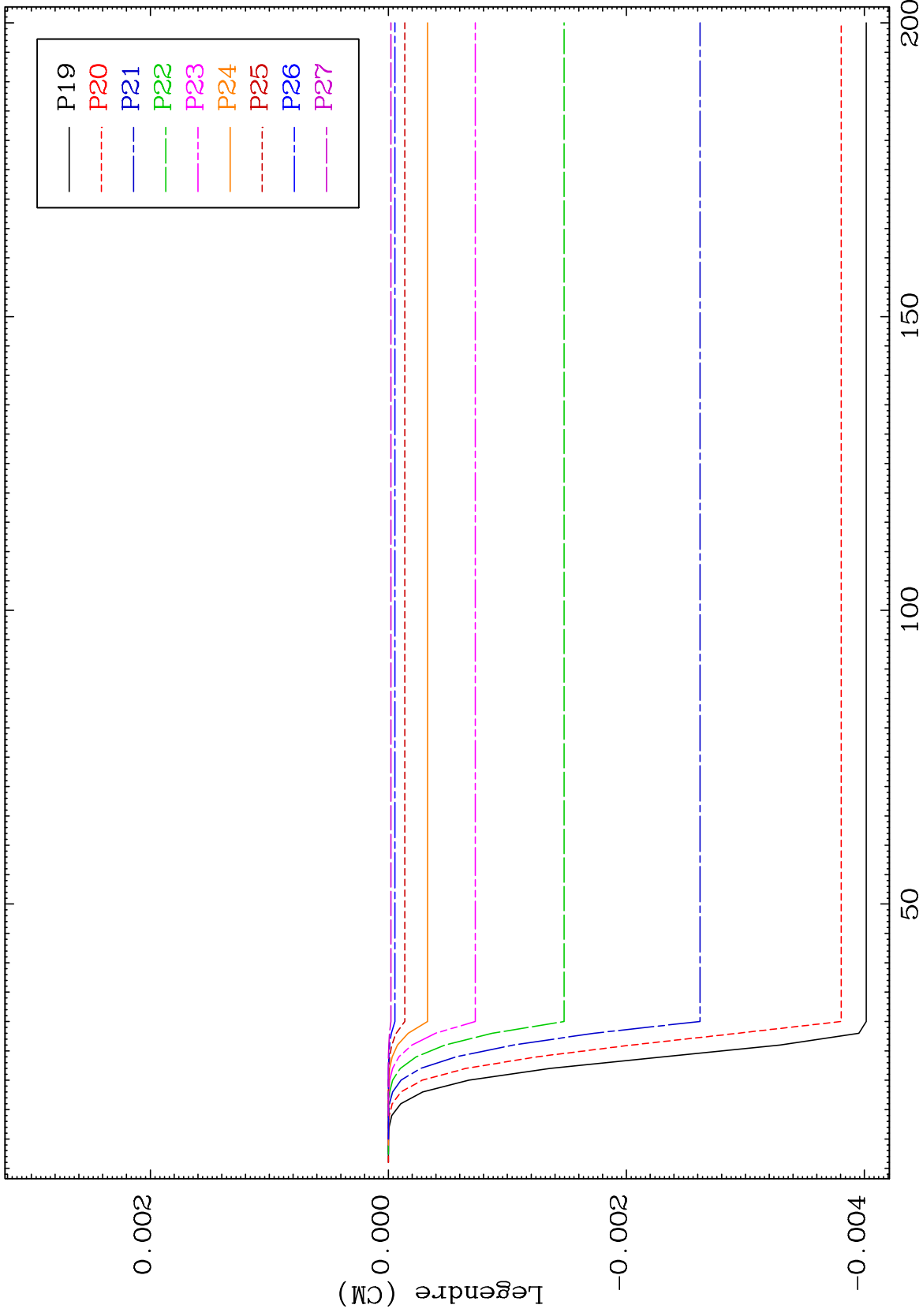




MAT 6152

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

61-Pm-148



25

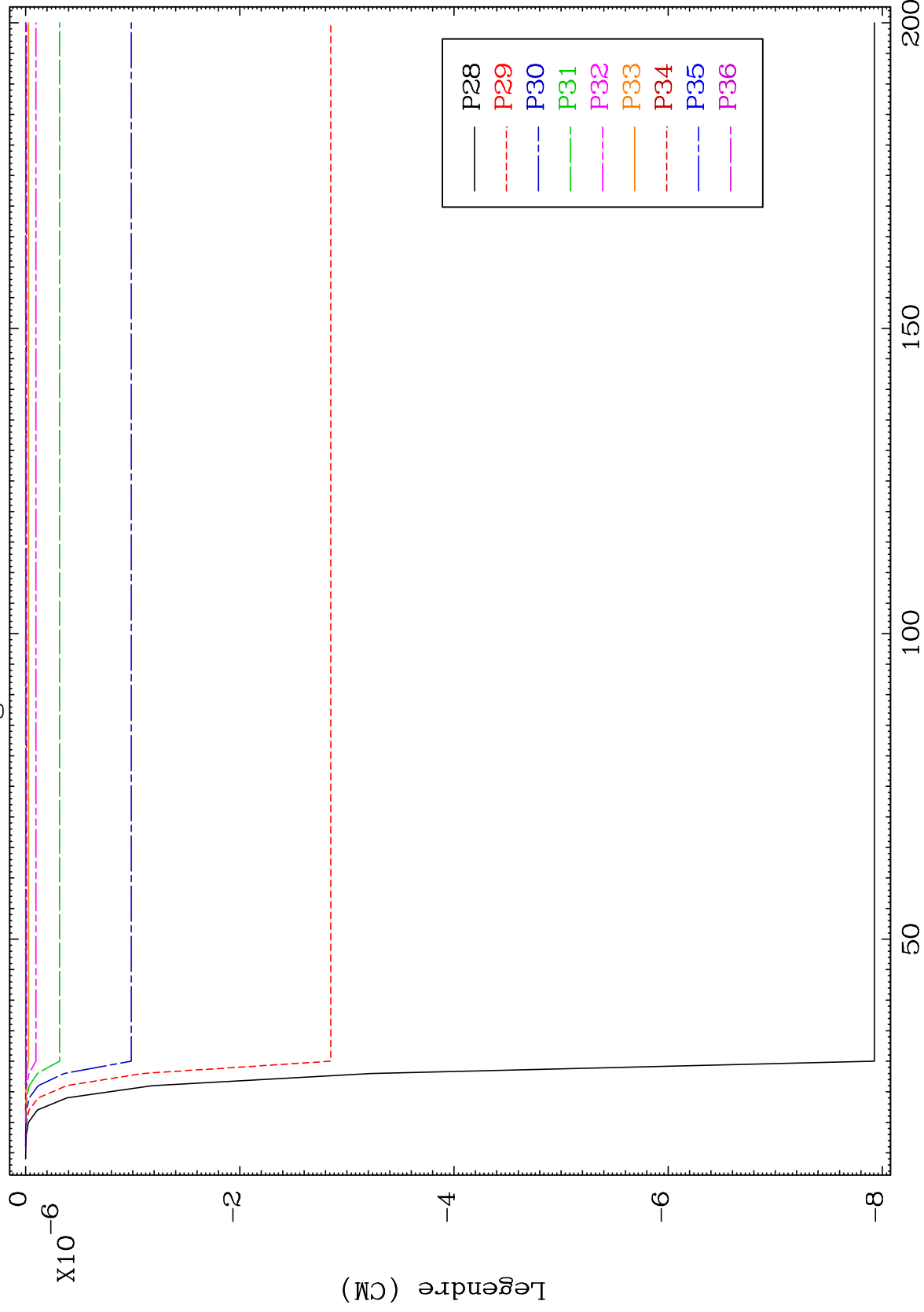
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



26

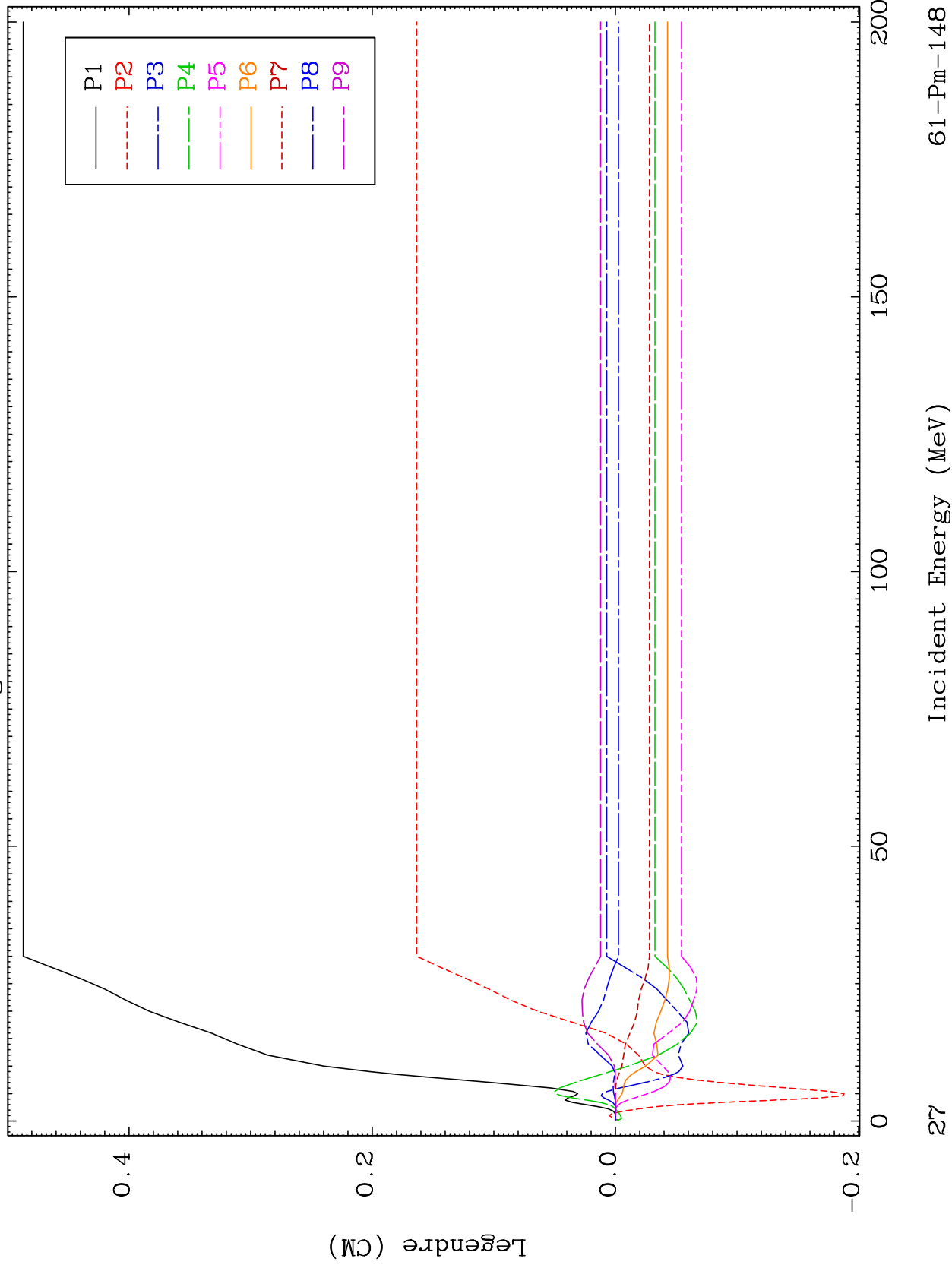
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



61-Pm-148

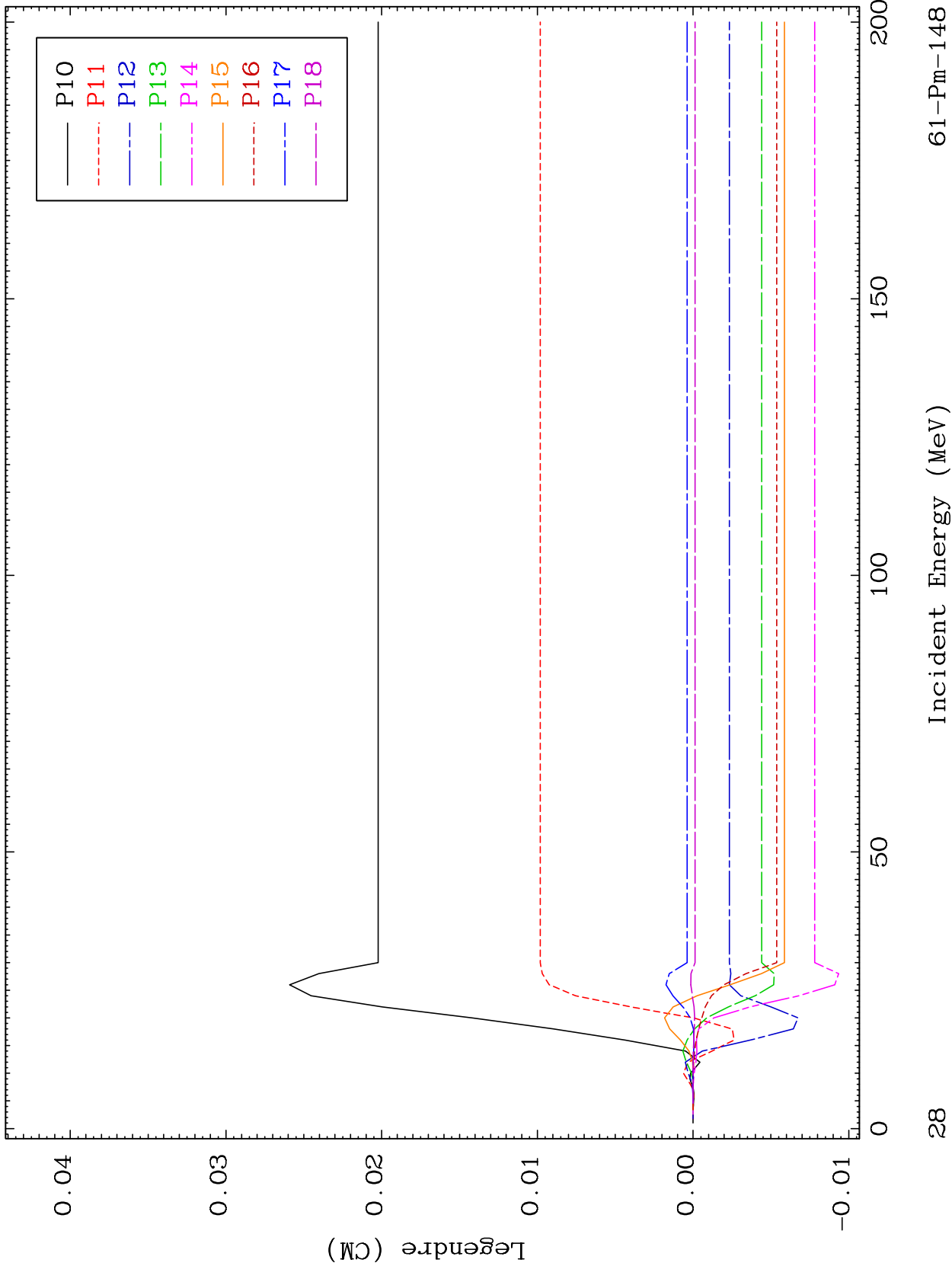
Incident Energy (MeV)

27

MAT 6152

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

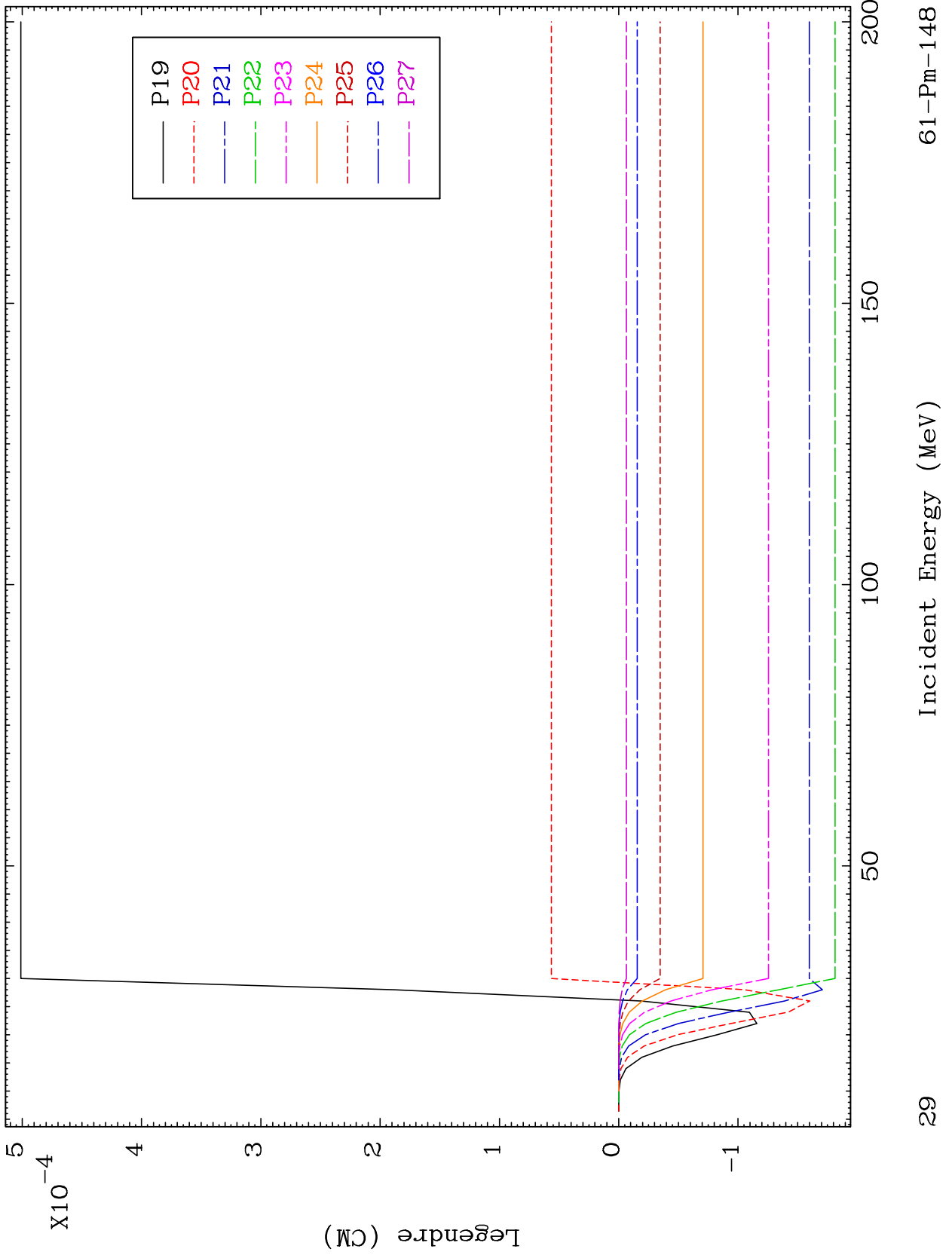
61-Pm-148



61-Pm-148

Incident Energy (MeV)

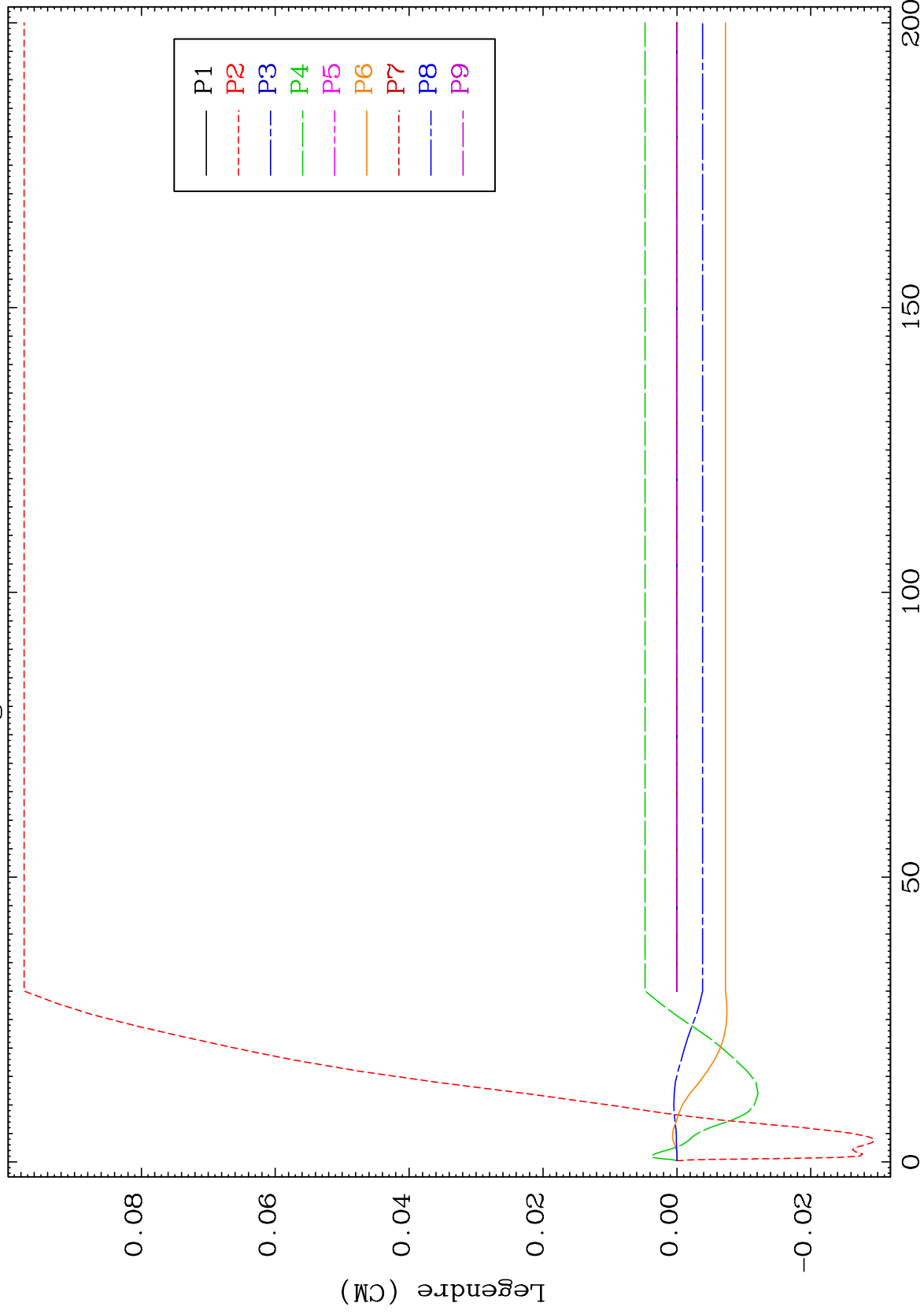
28



MAT 6152

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

61-Pm-148



31

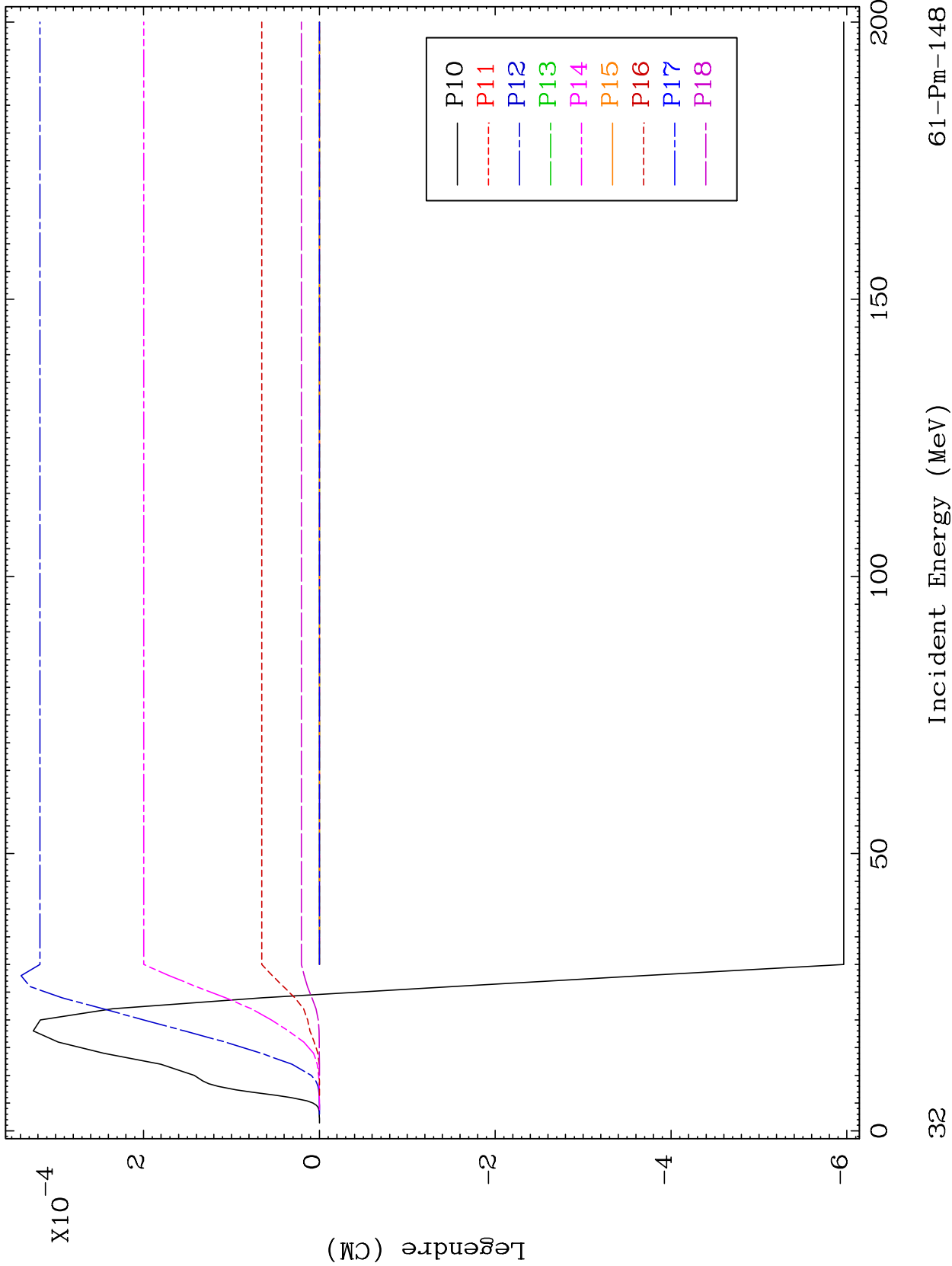
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



32

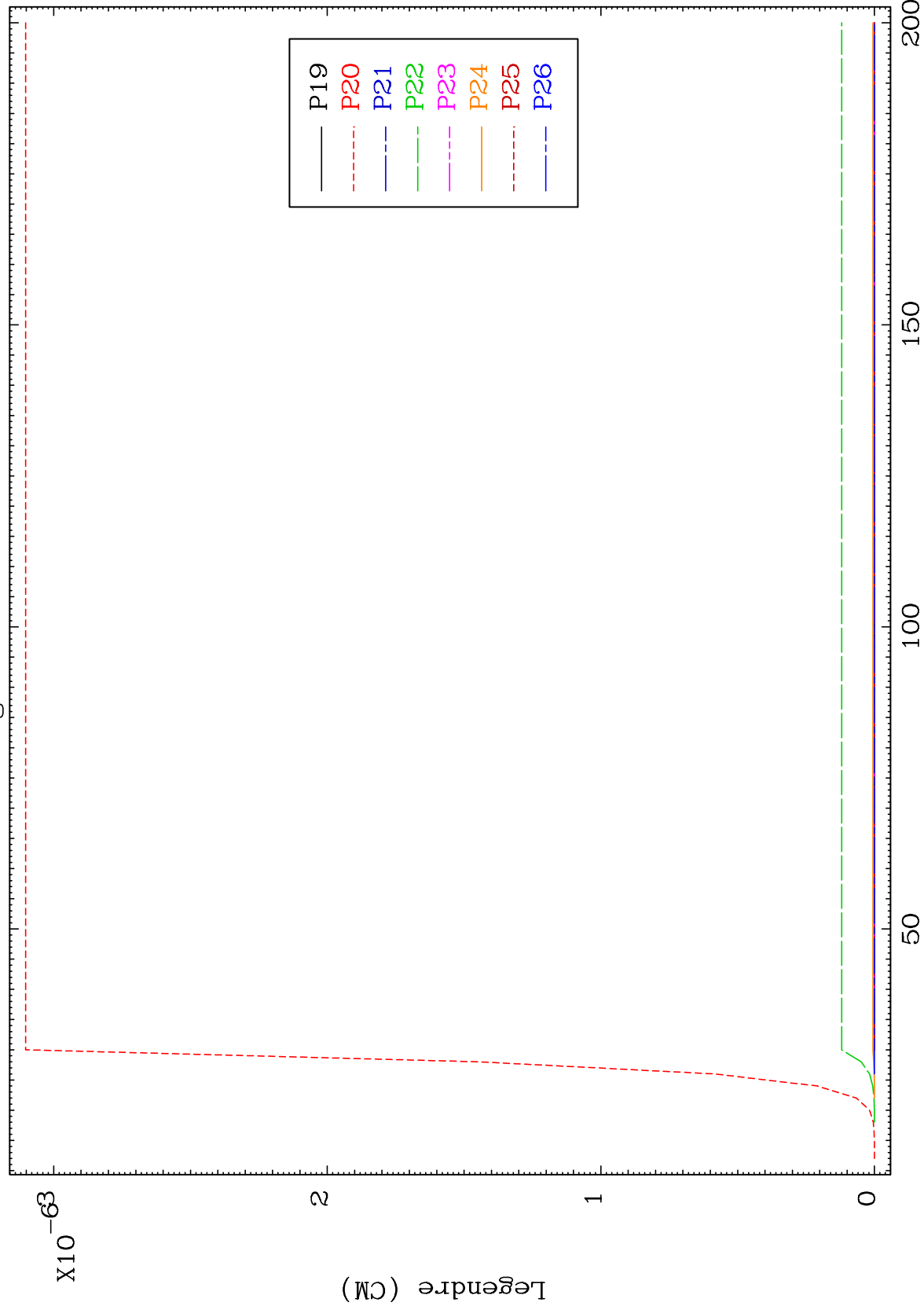
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

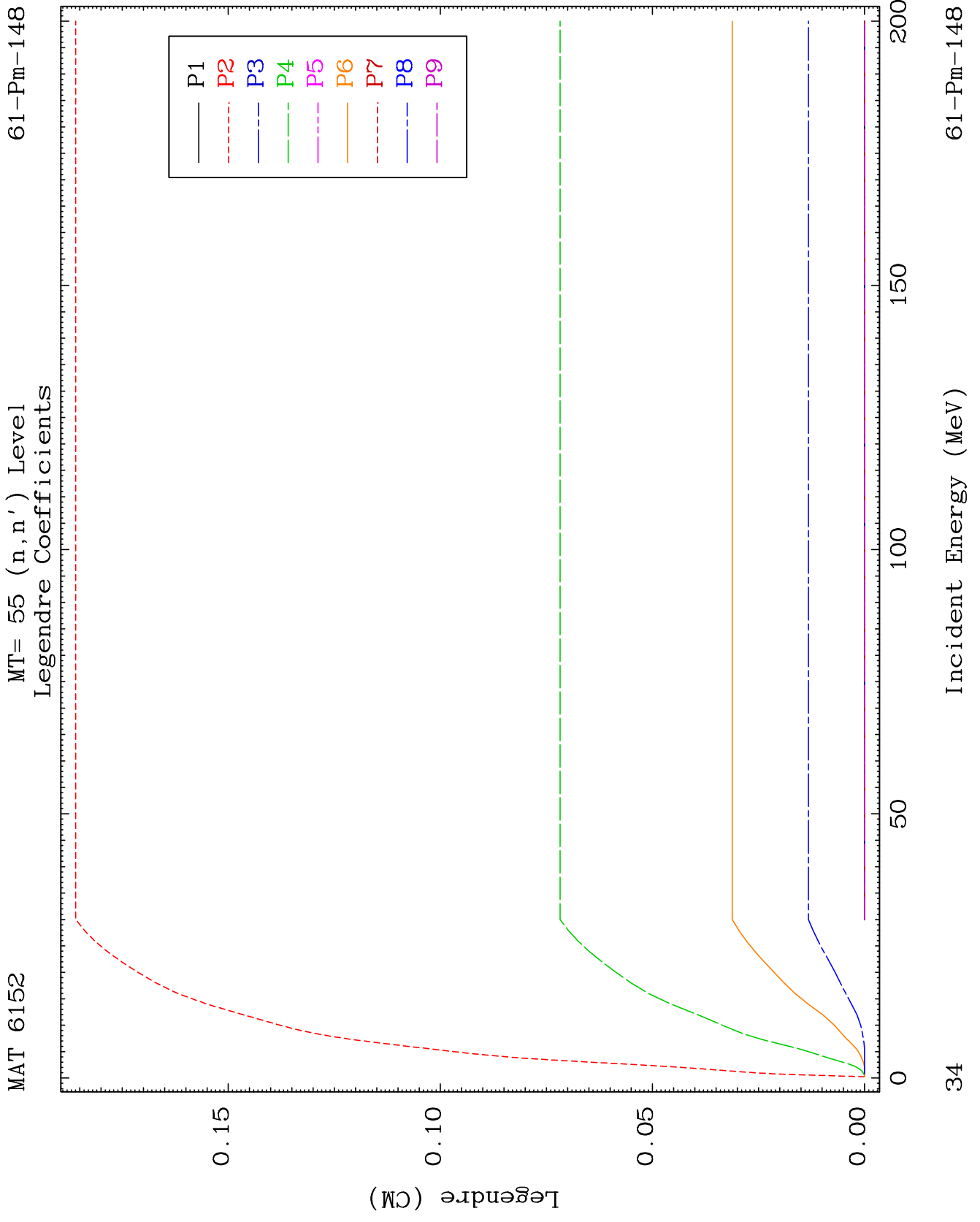
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33

Incident Energy (MeV)

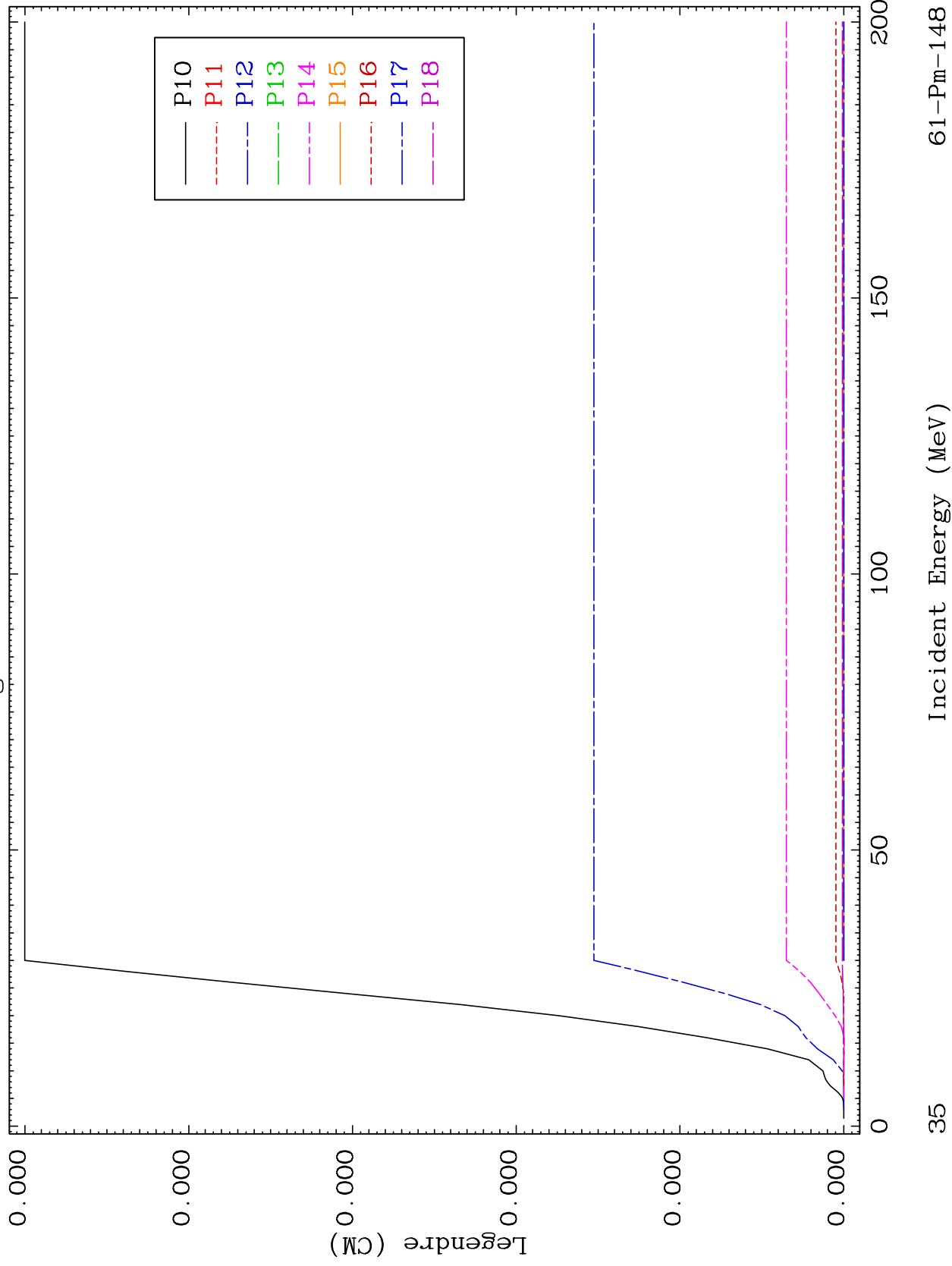
61-Pm-148



MAT 6152

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

61-Pm-148



61-Pm-148

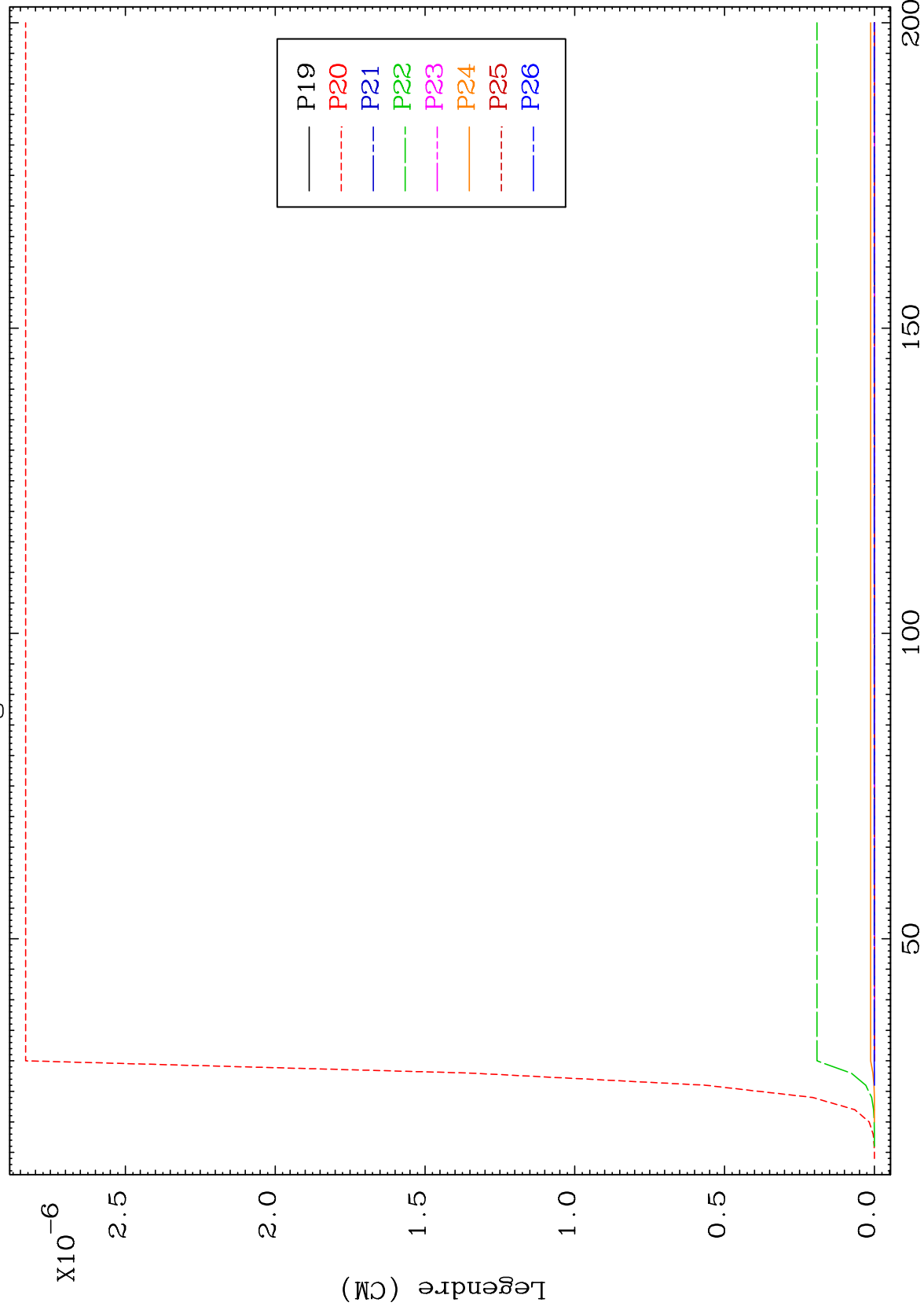
Incident Energy (MeV)

35

MAT 6152

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

61-Pm-148



36

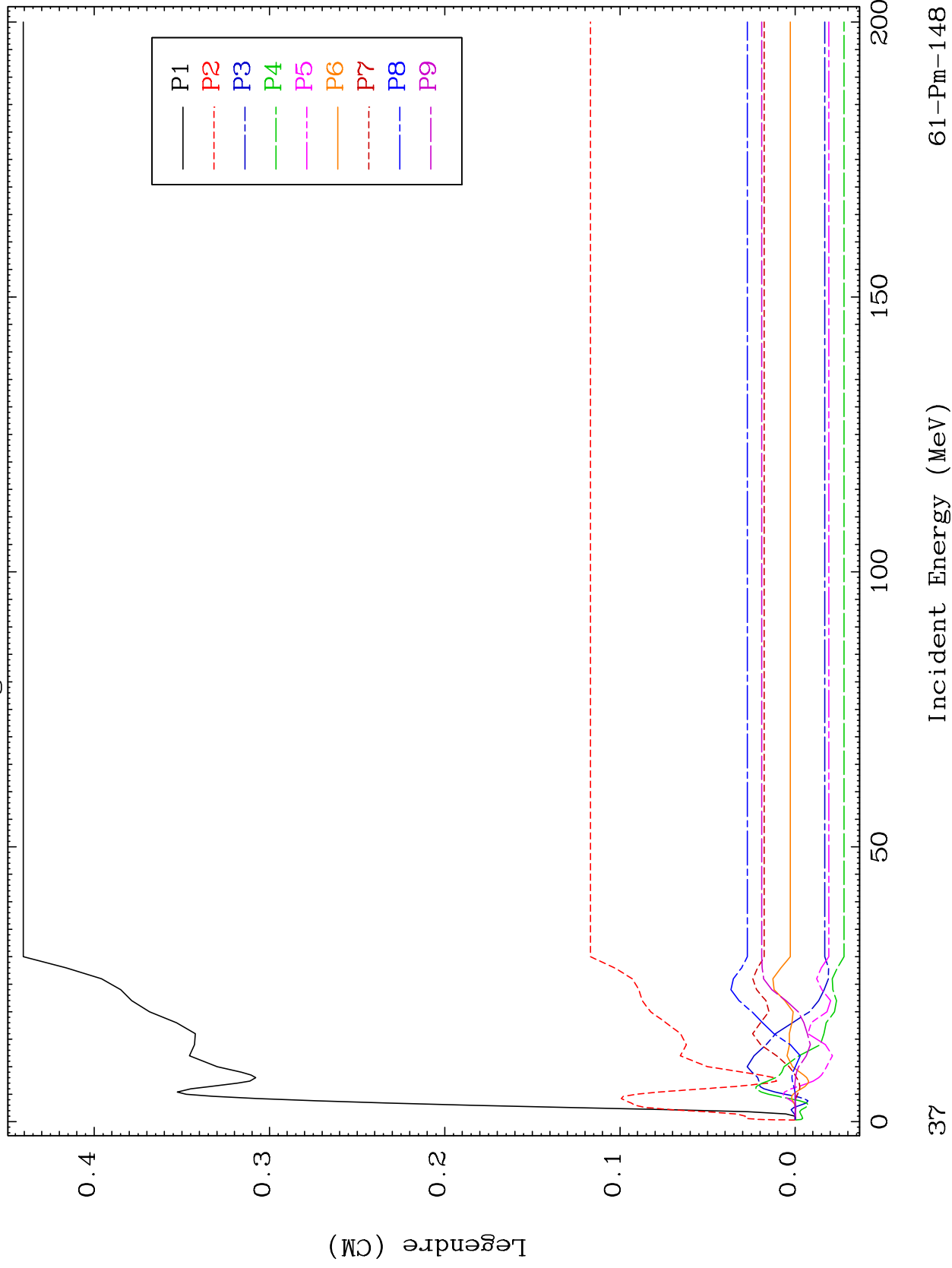
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



61-Pm-148

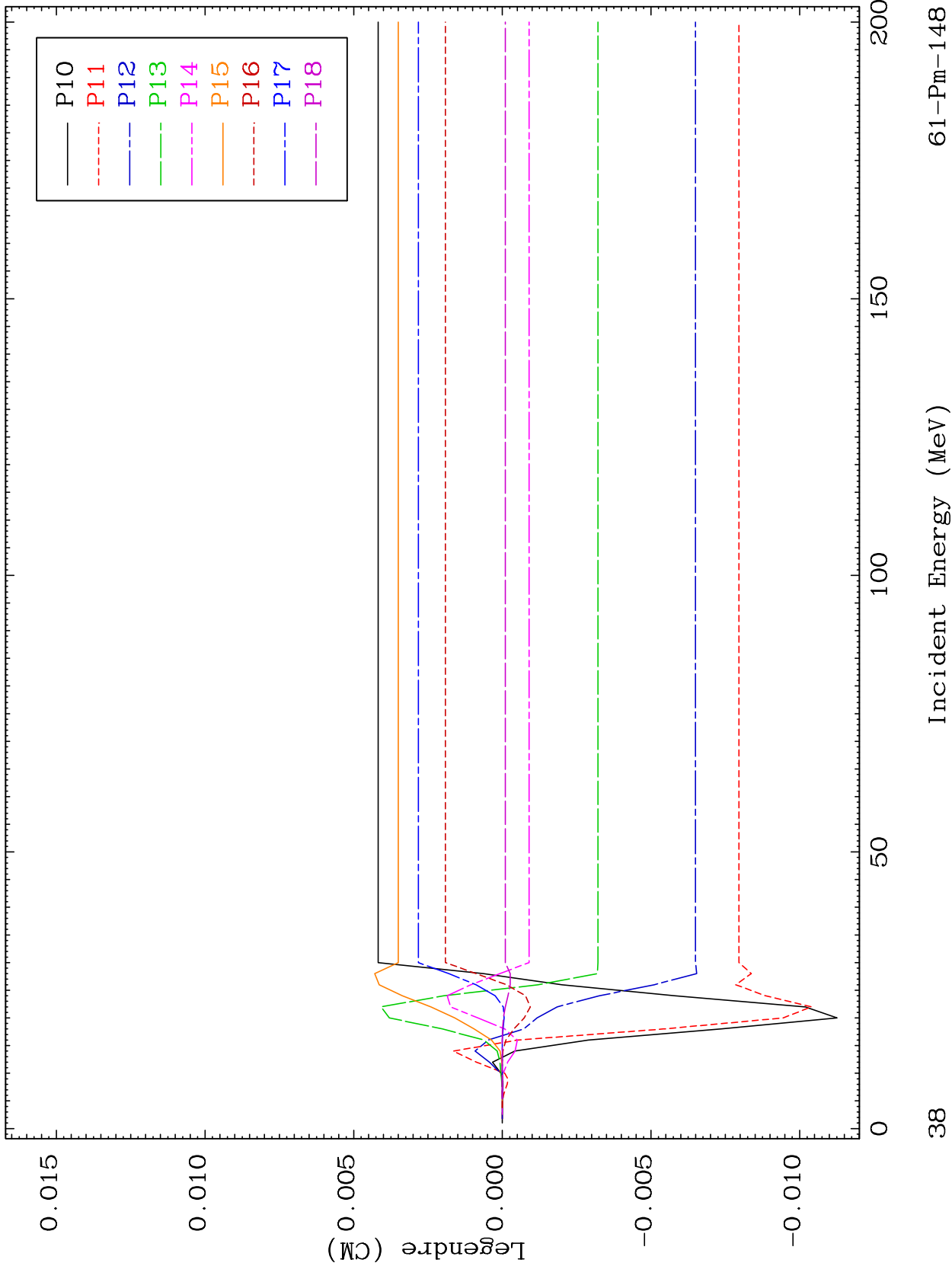
Incident Energy (MeV)

37

MAT 6152

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

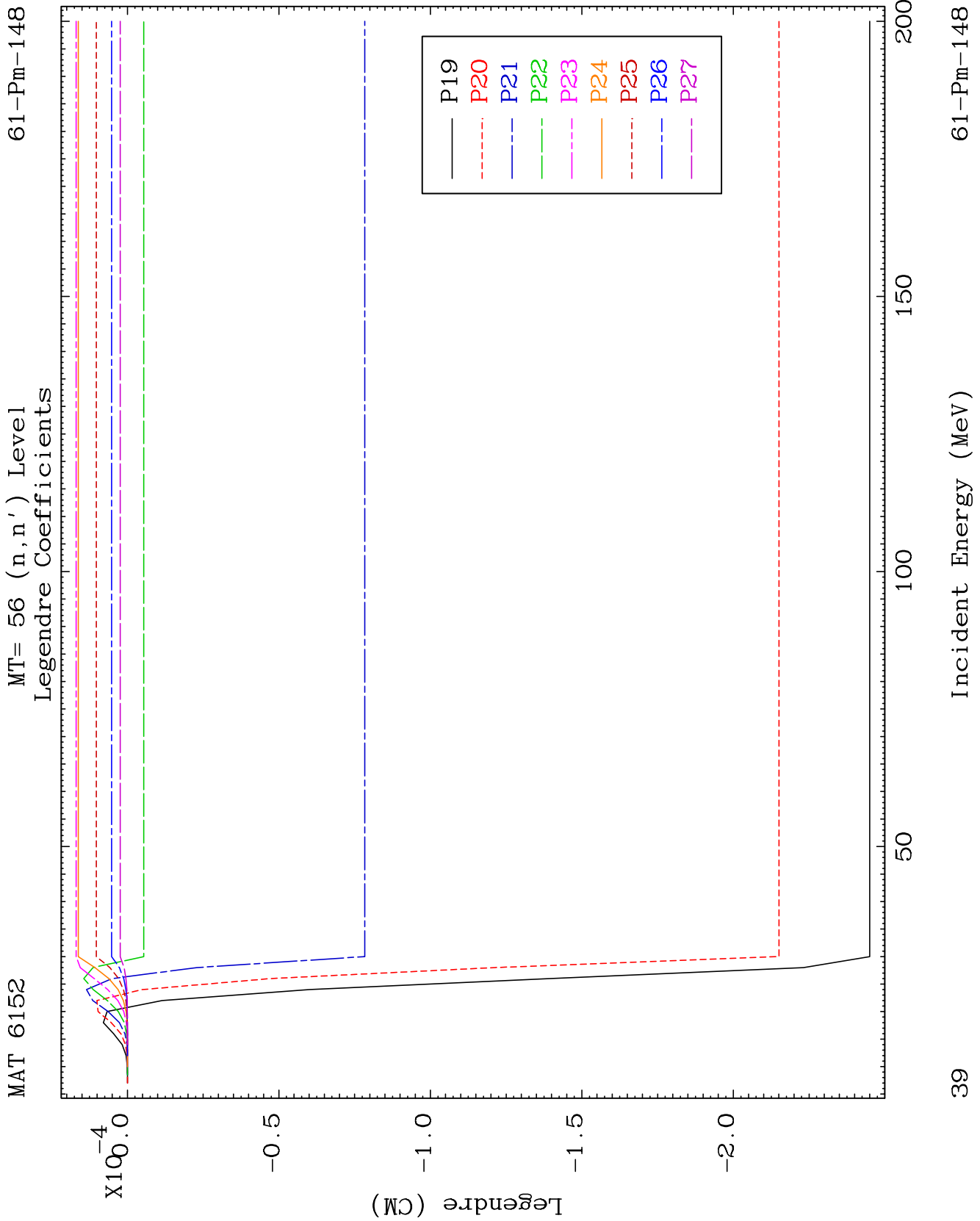
61-Pm-148



38

Incident Energy (MeV)

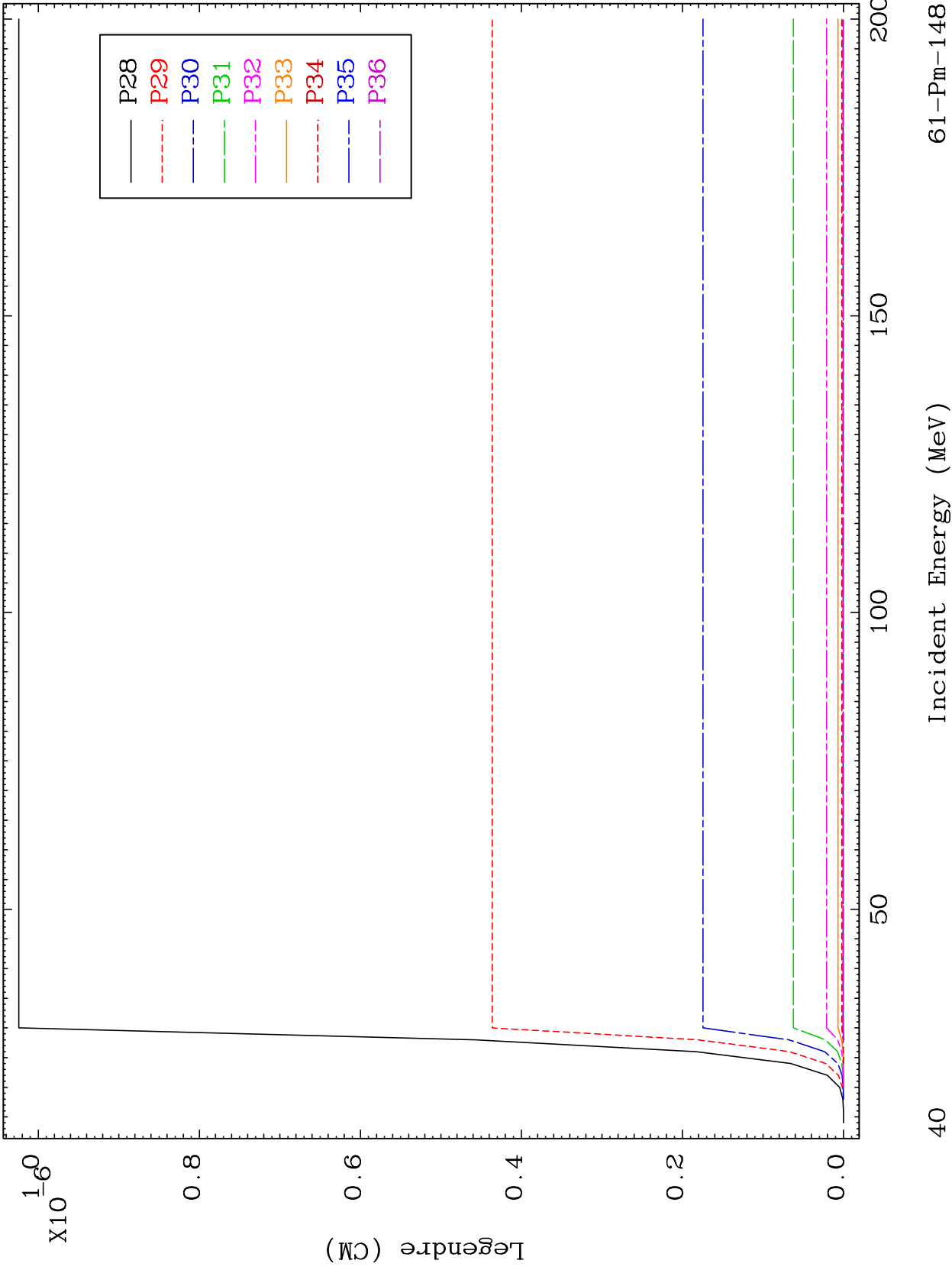
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MAT 6152

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

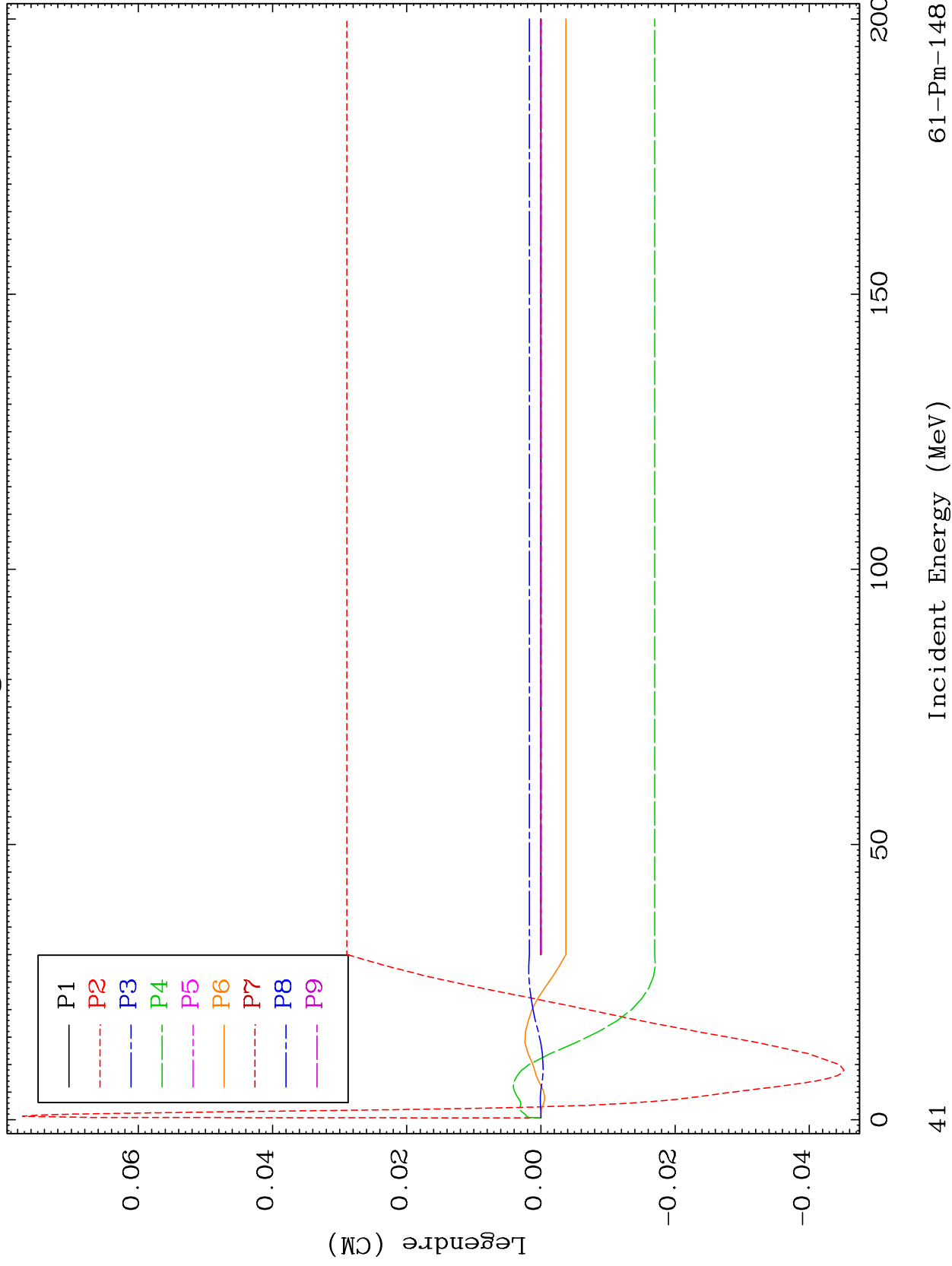
61-Pm-148



MAT 6152

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

61-Pm-148



41

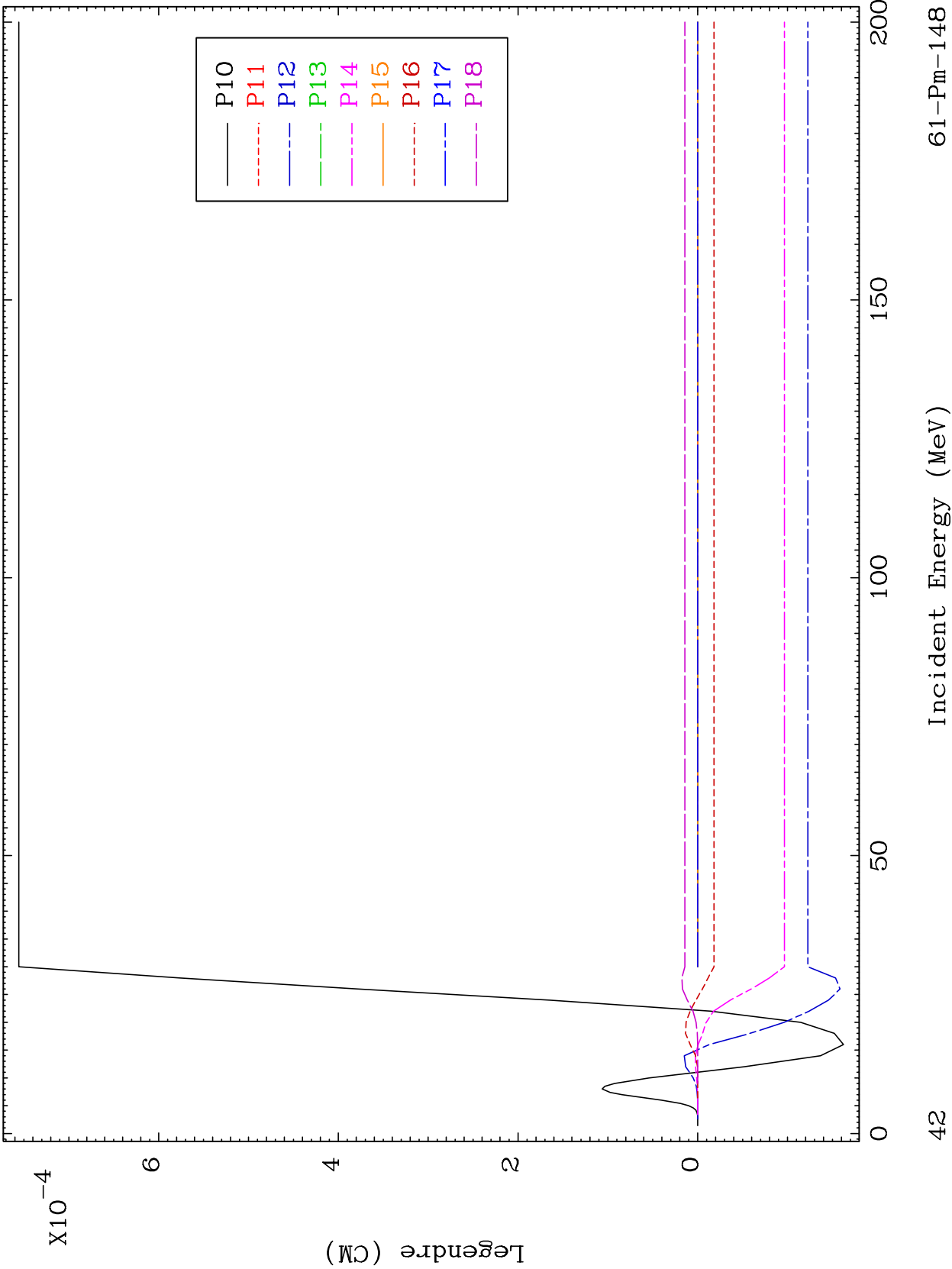
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

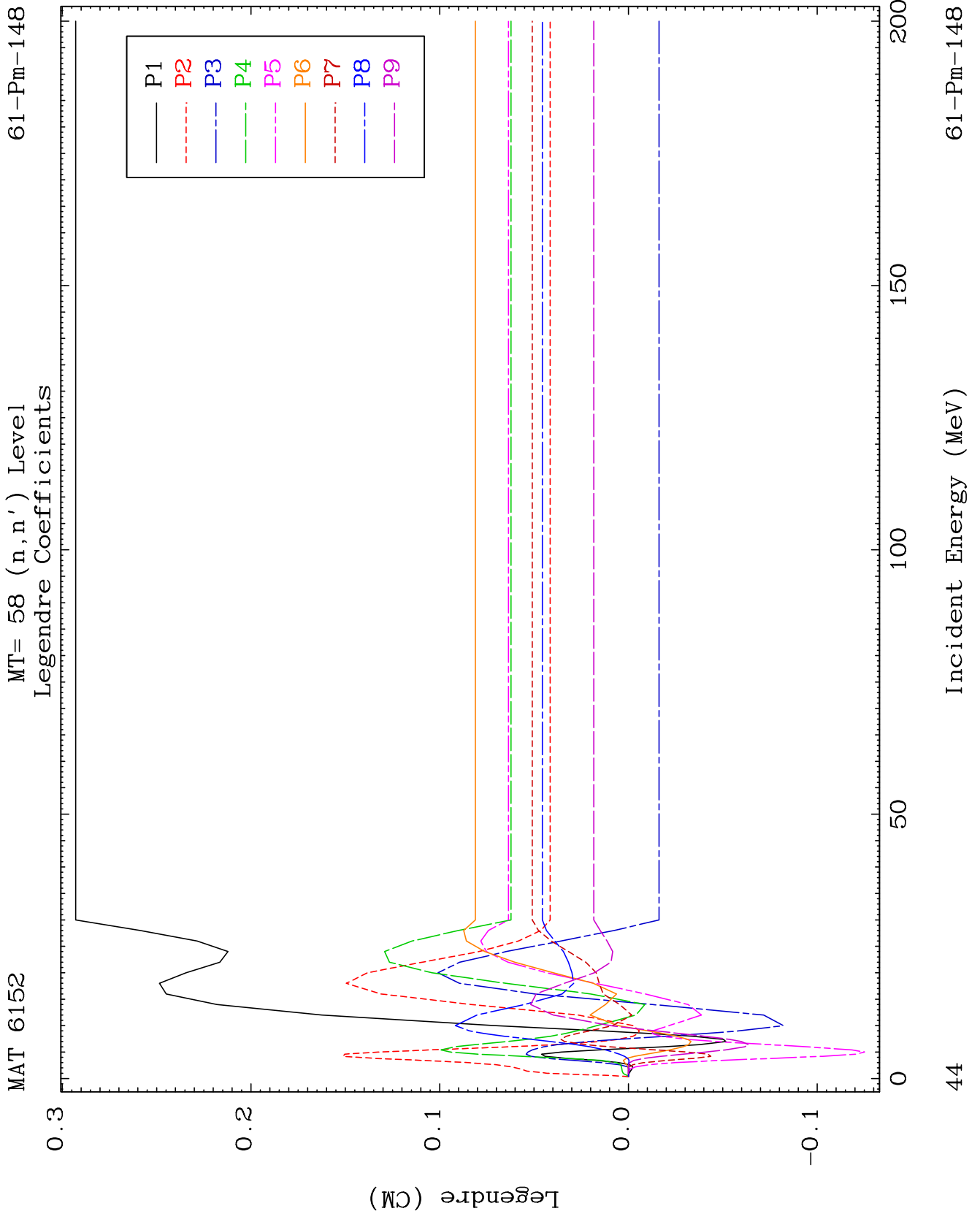
61-Pm-148



61-Pm-148

Incident Energy (MeV)

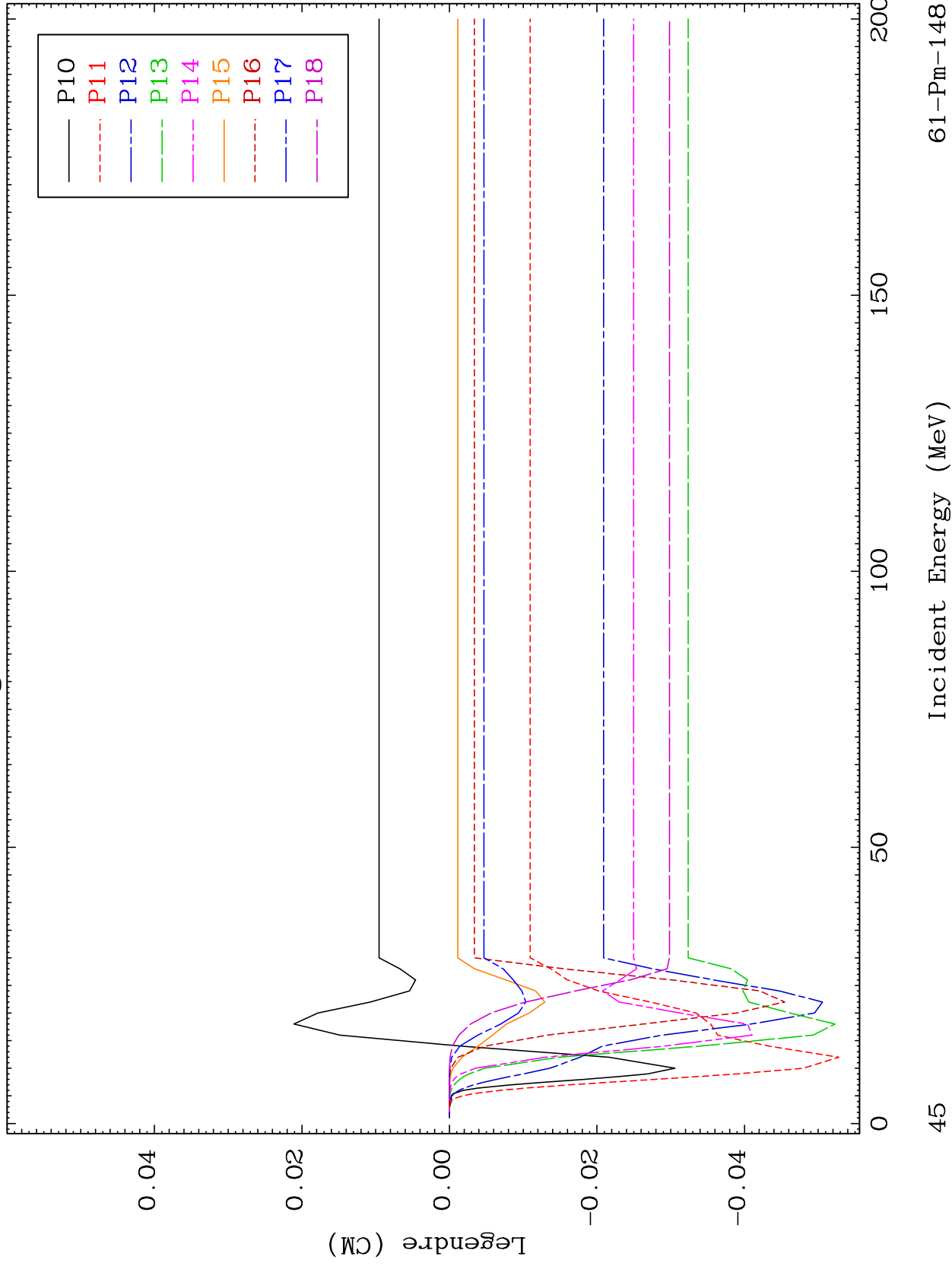
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MAT 6152

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

61-Pm-148



61-Pm-148

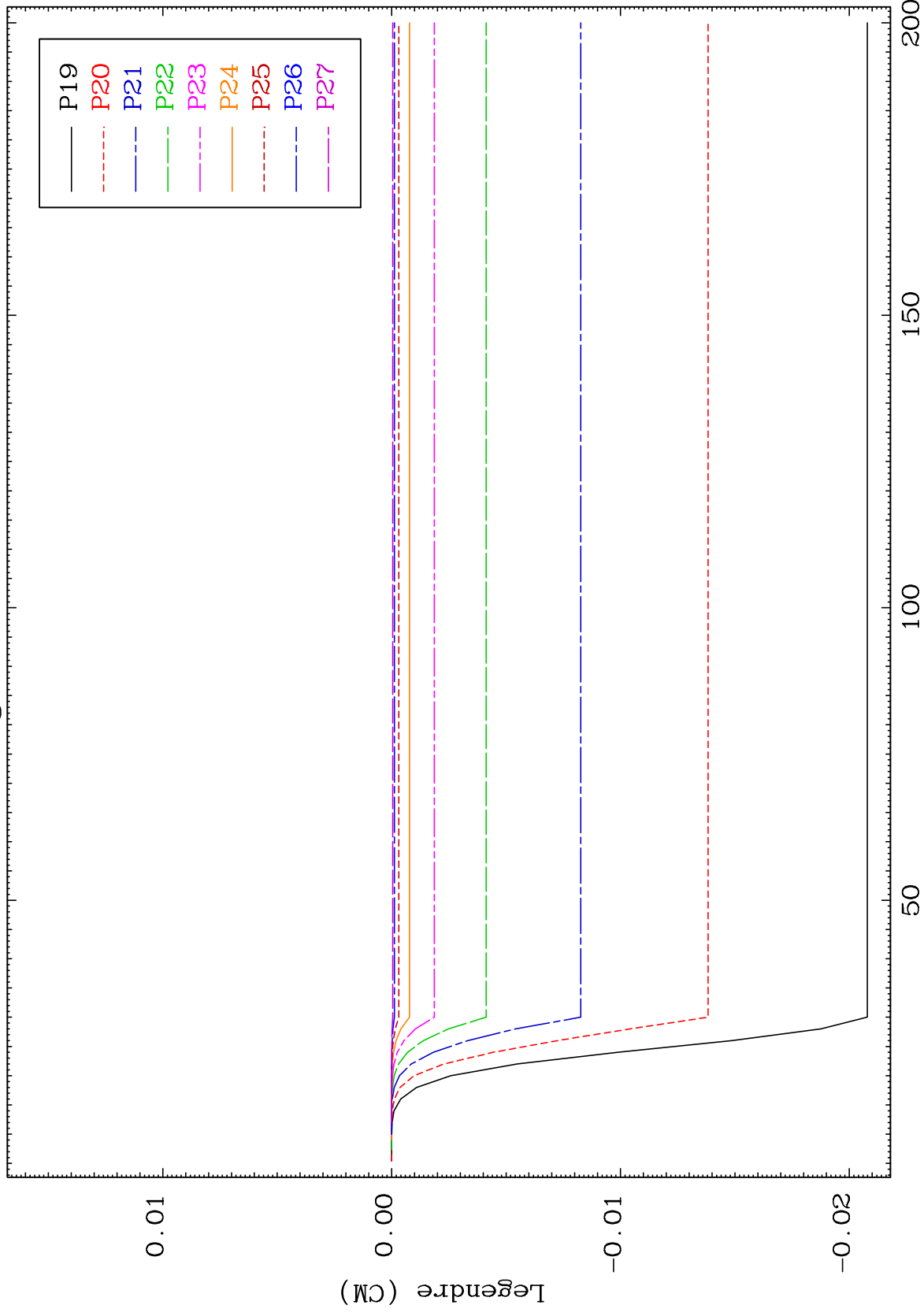
Incident Energy (MeV)

45

MAT 6152

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

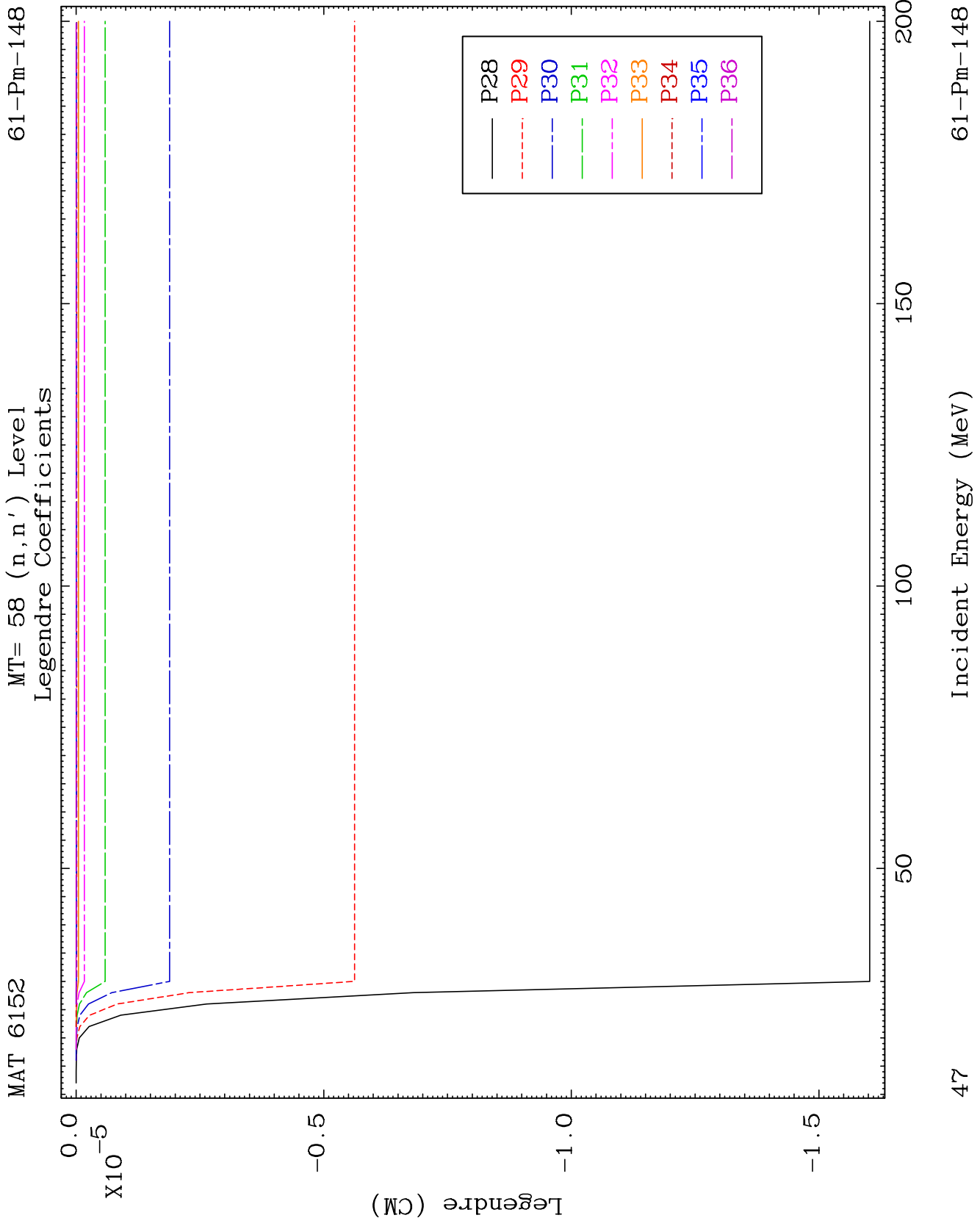
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46

Incident Energy (MeV)

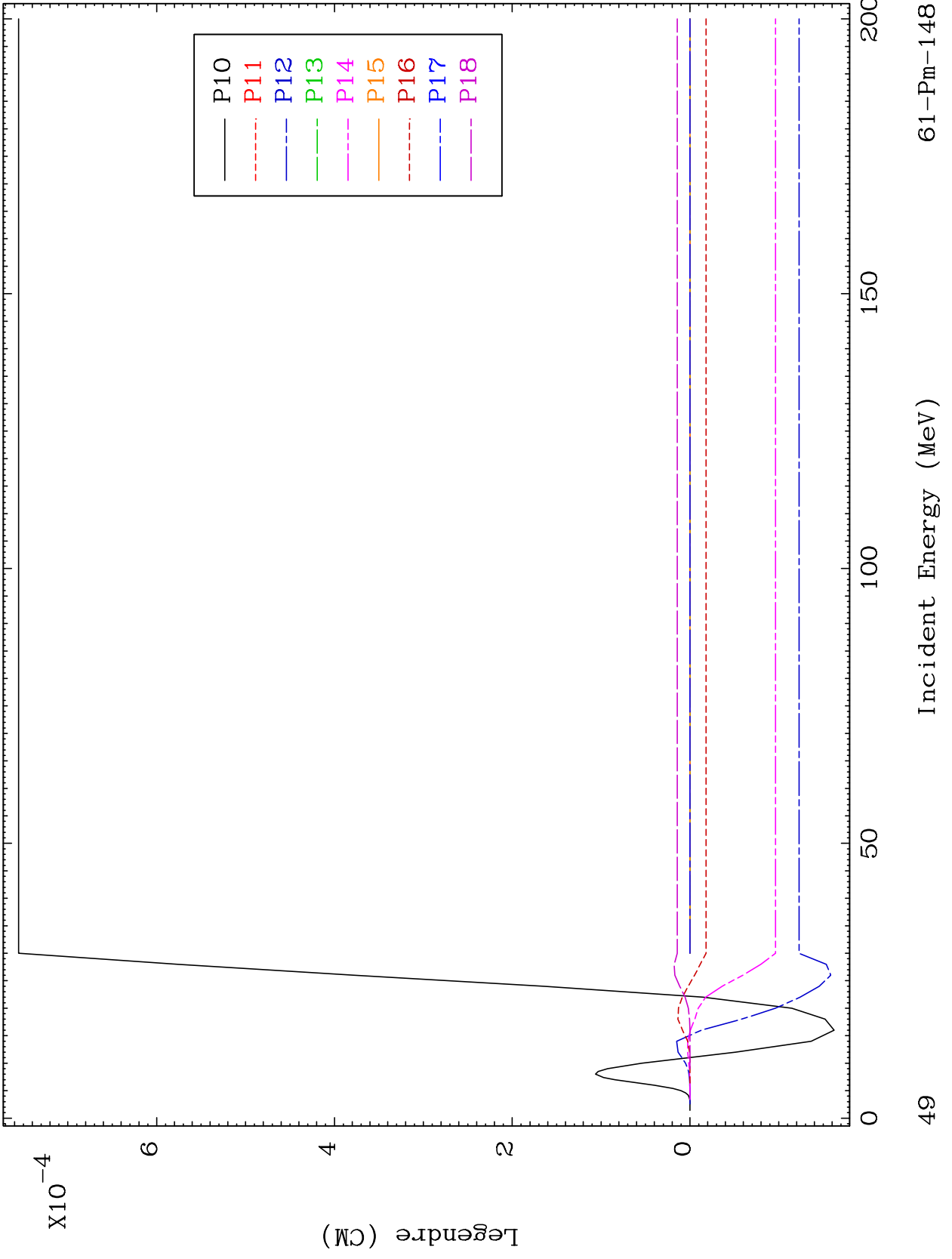
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MAT 6152

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

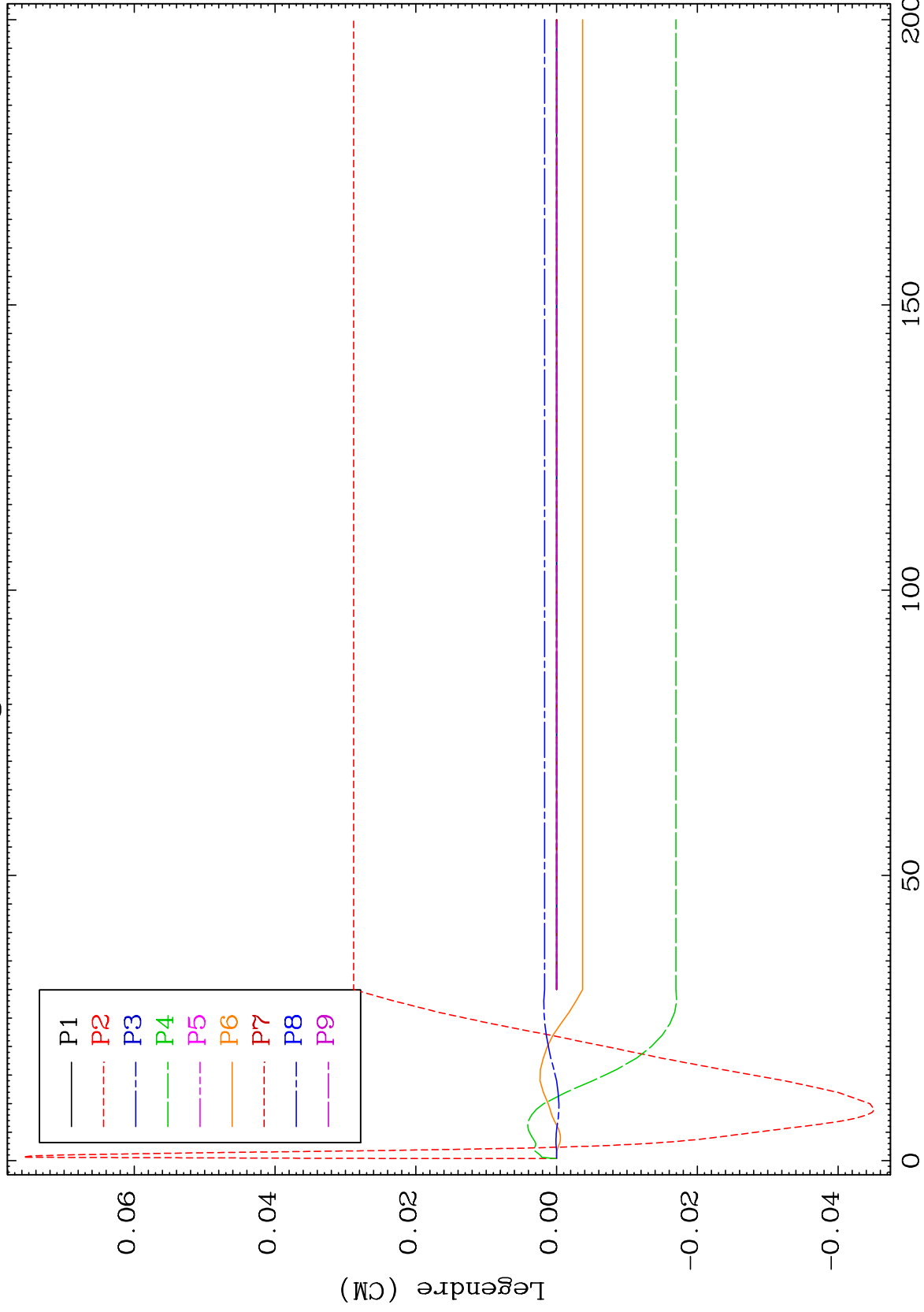
61-Pm-148



MAT 6152

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

61-Pm-148



61-Pm-148

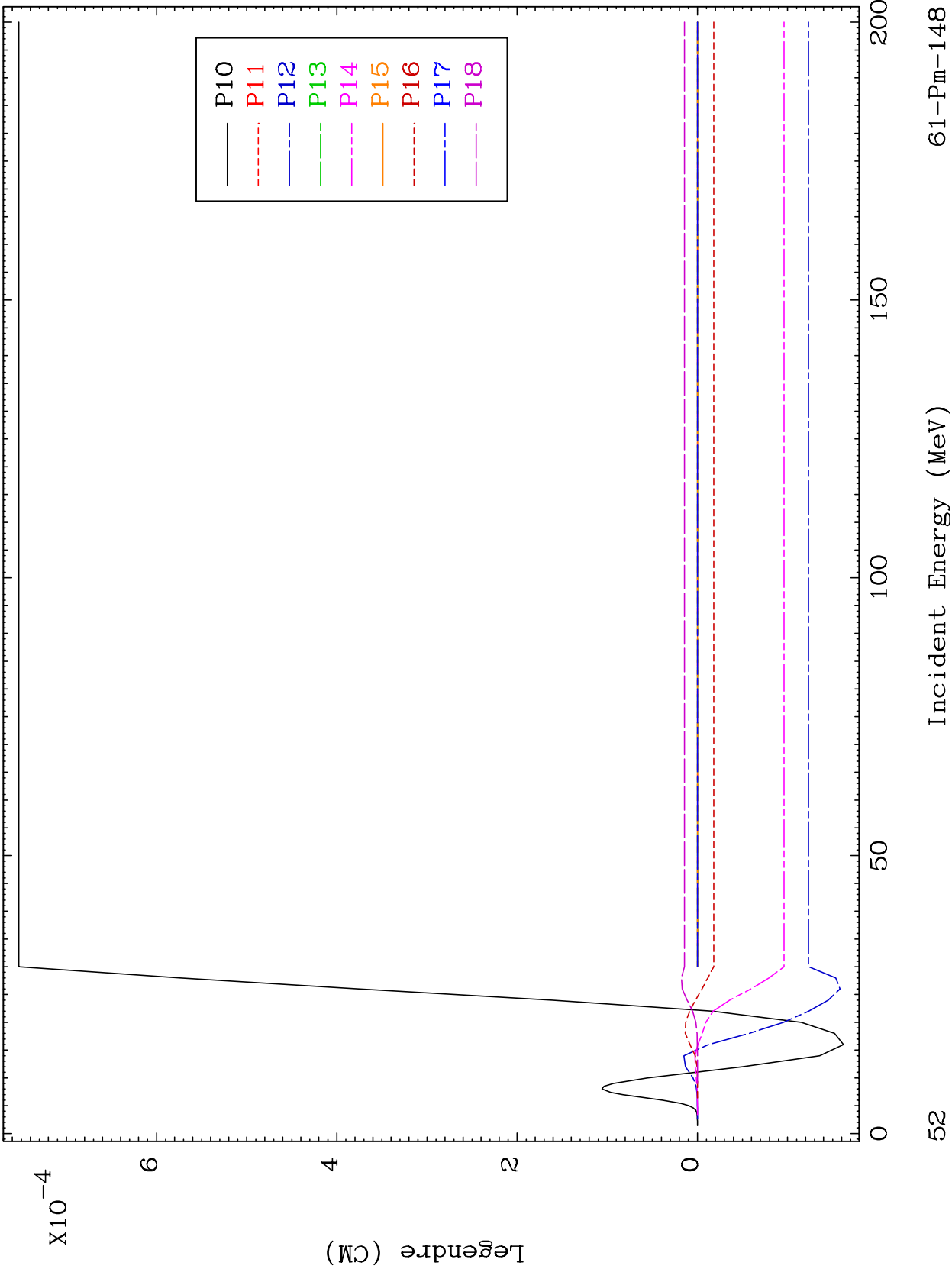
Incident Energy (MeV)

51

MAT 6152

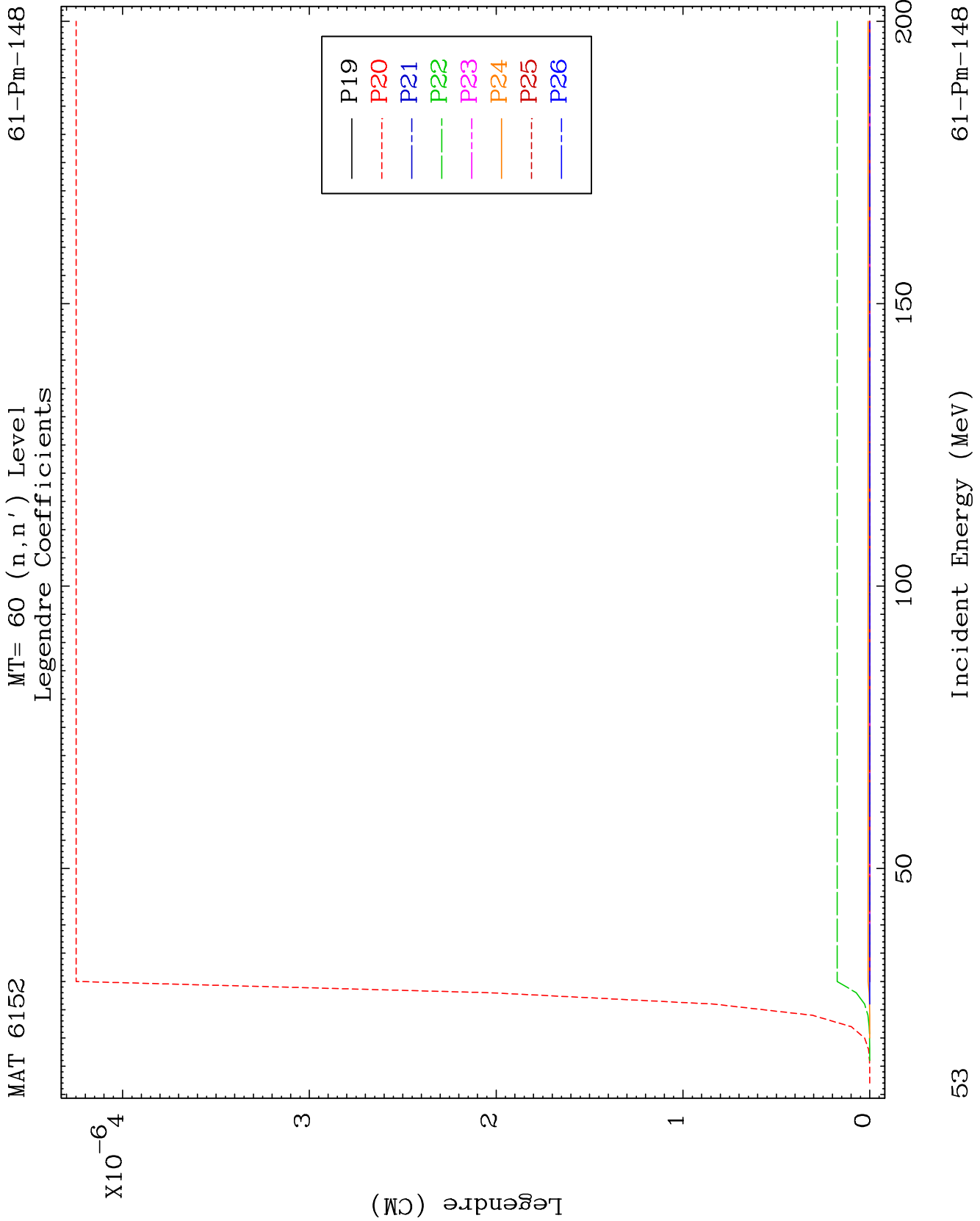
MT= 60 (n,n') Level
Legendre Coefficients

61-Pm-148



52

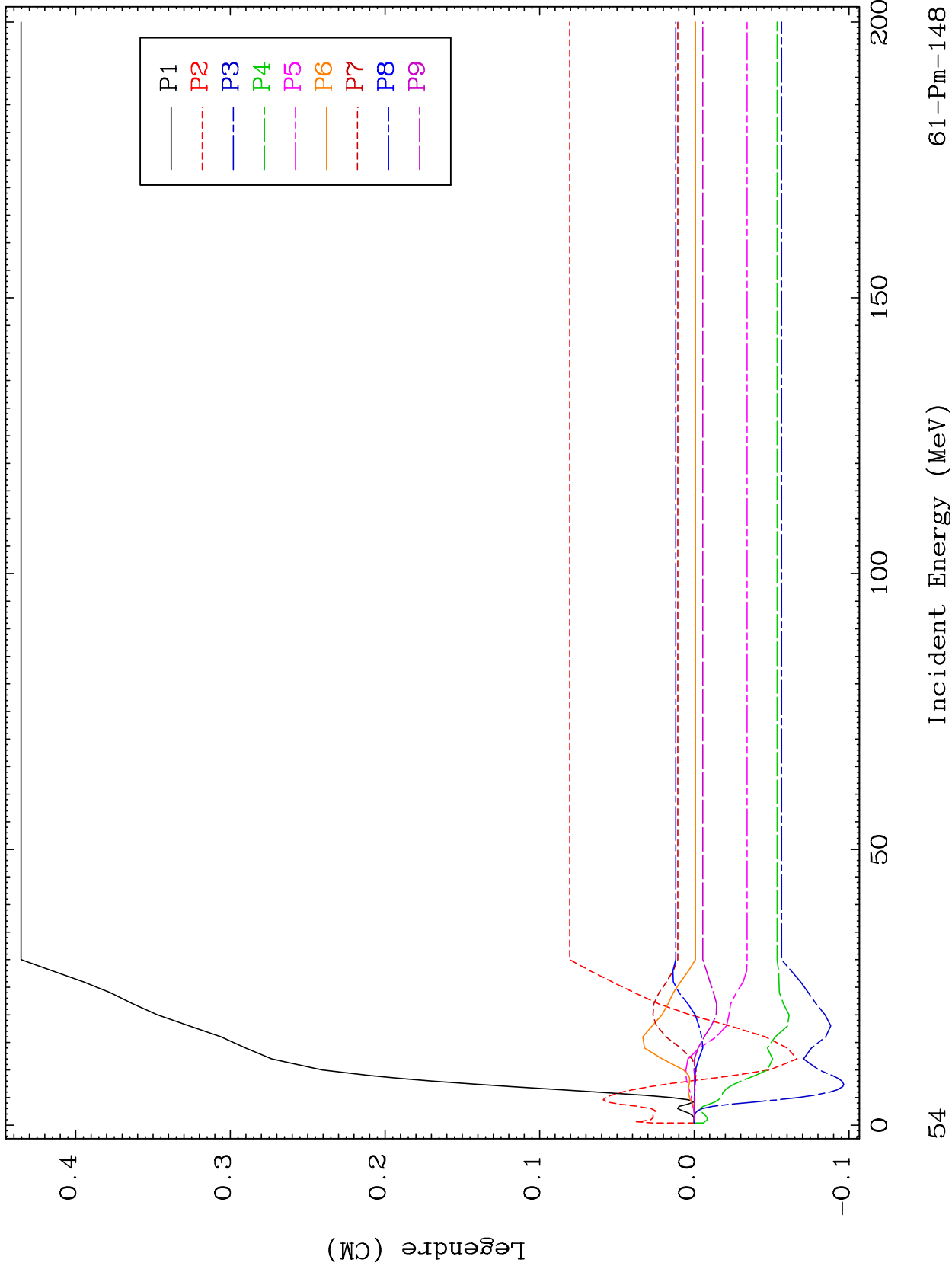
61-Pm-148



MAT 6152

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

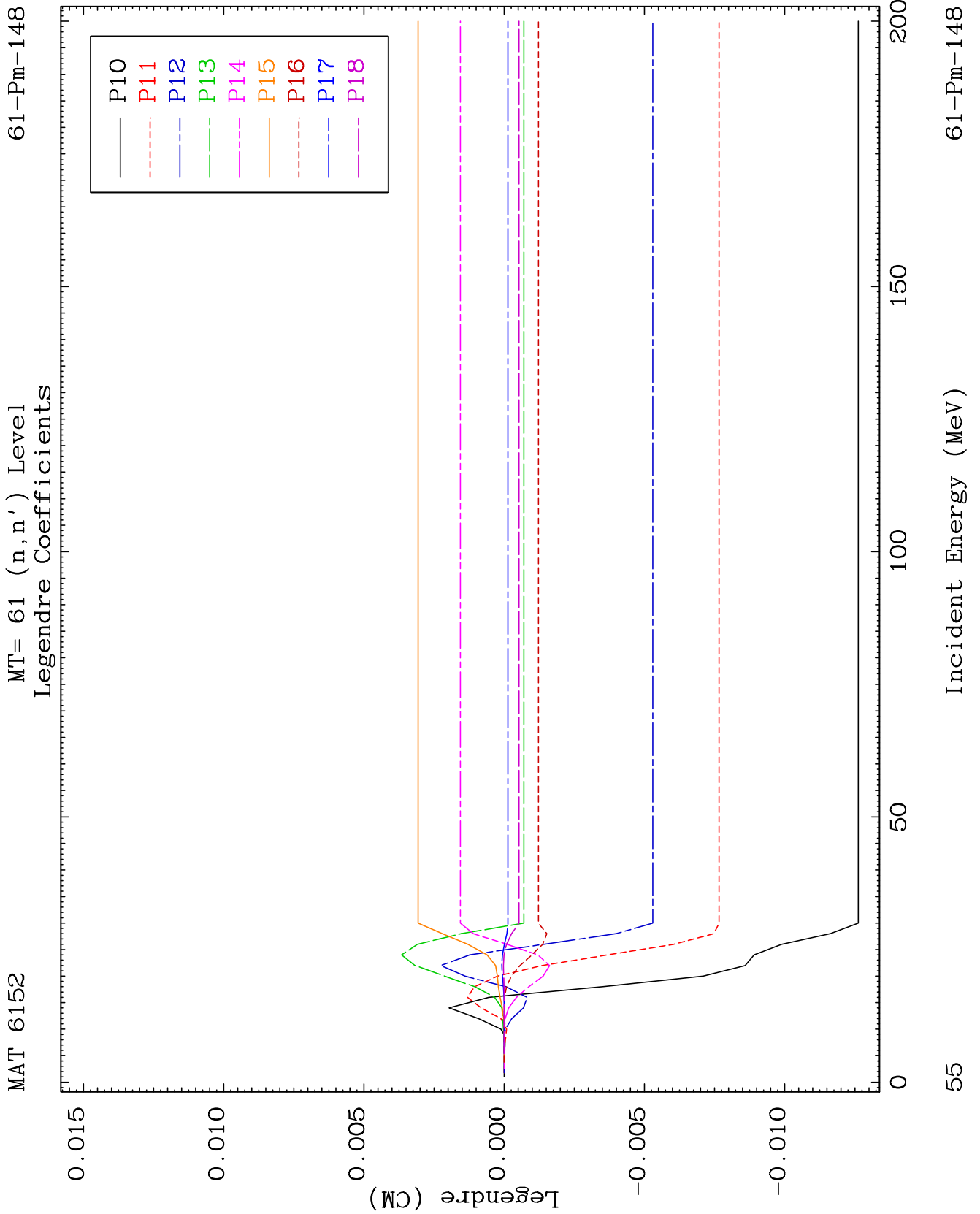
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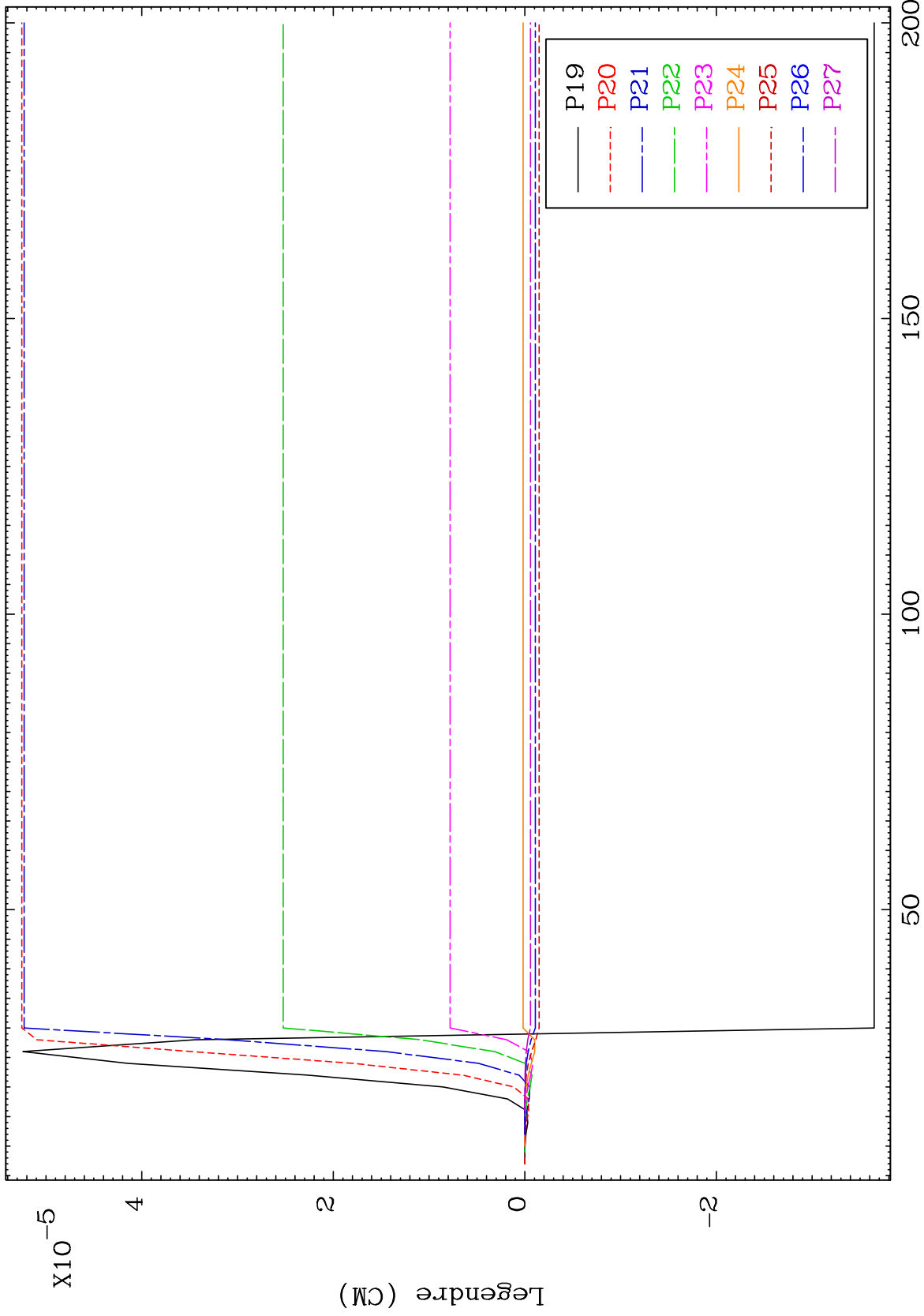


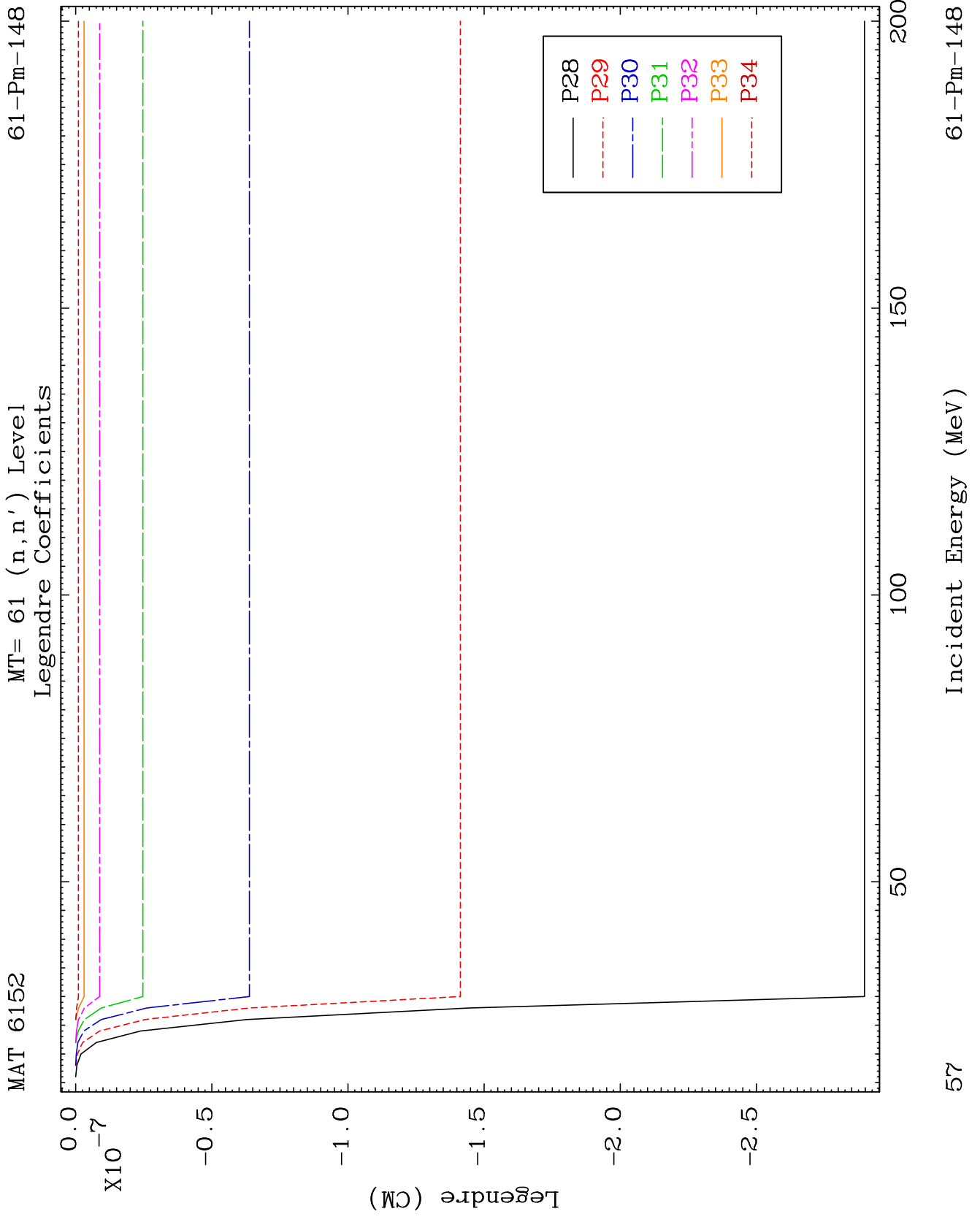
61-Pm-148

Incident Energy (MeV)

54



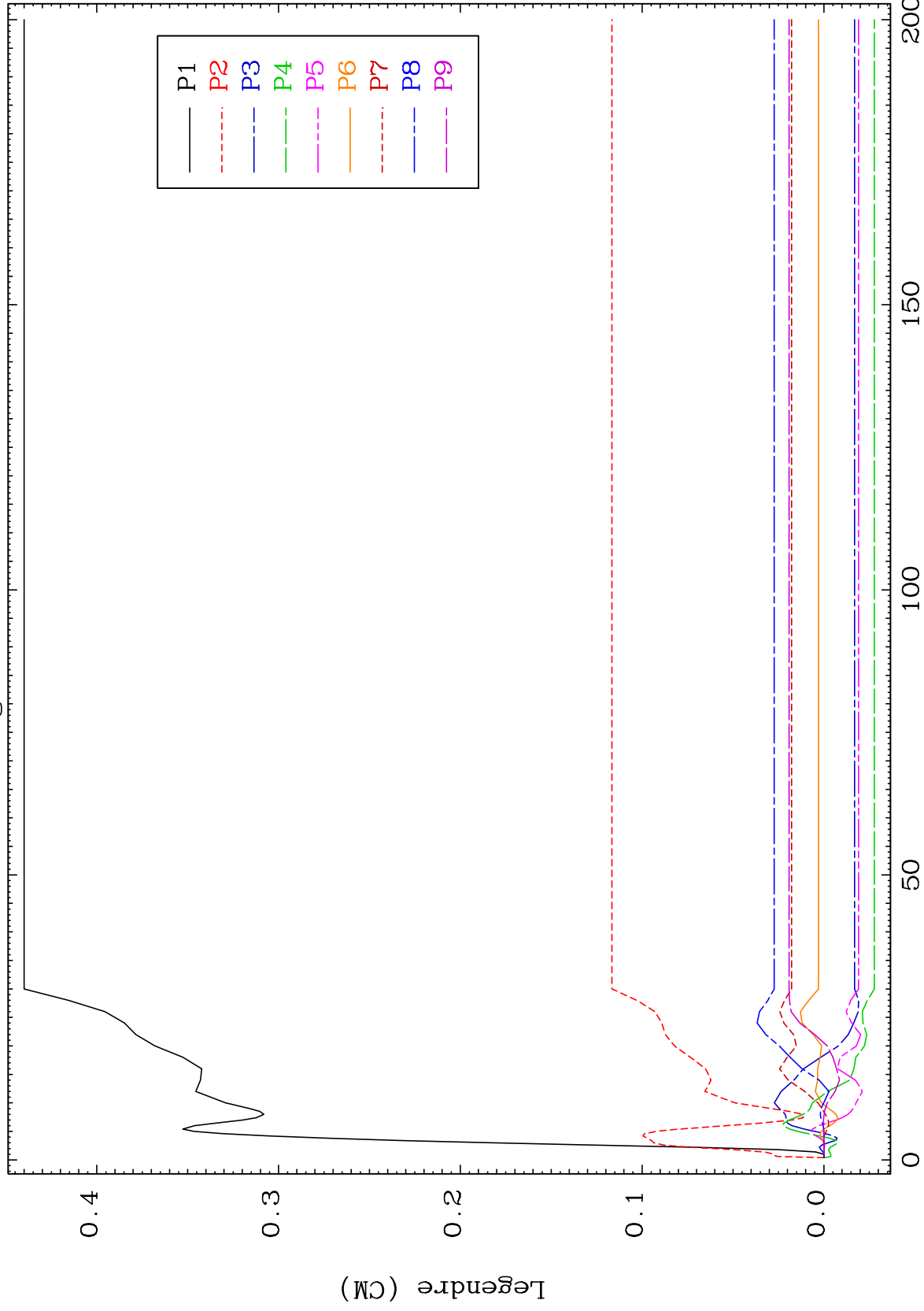




MAT 6152

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

61-Pm-148



58

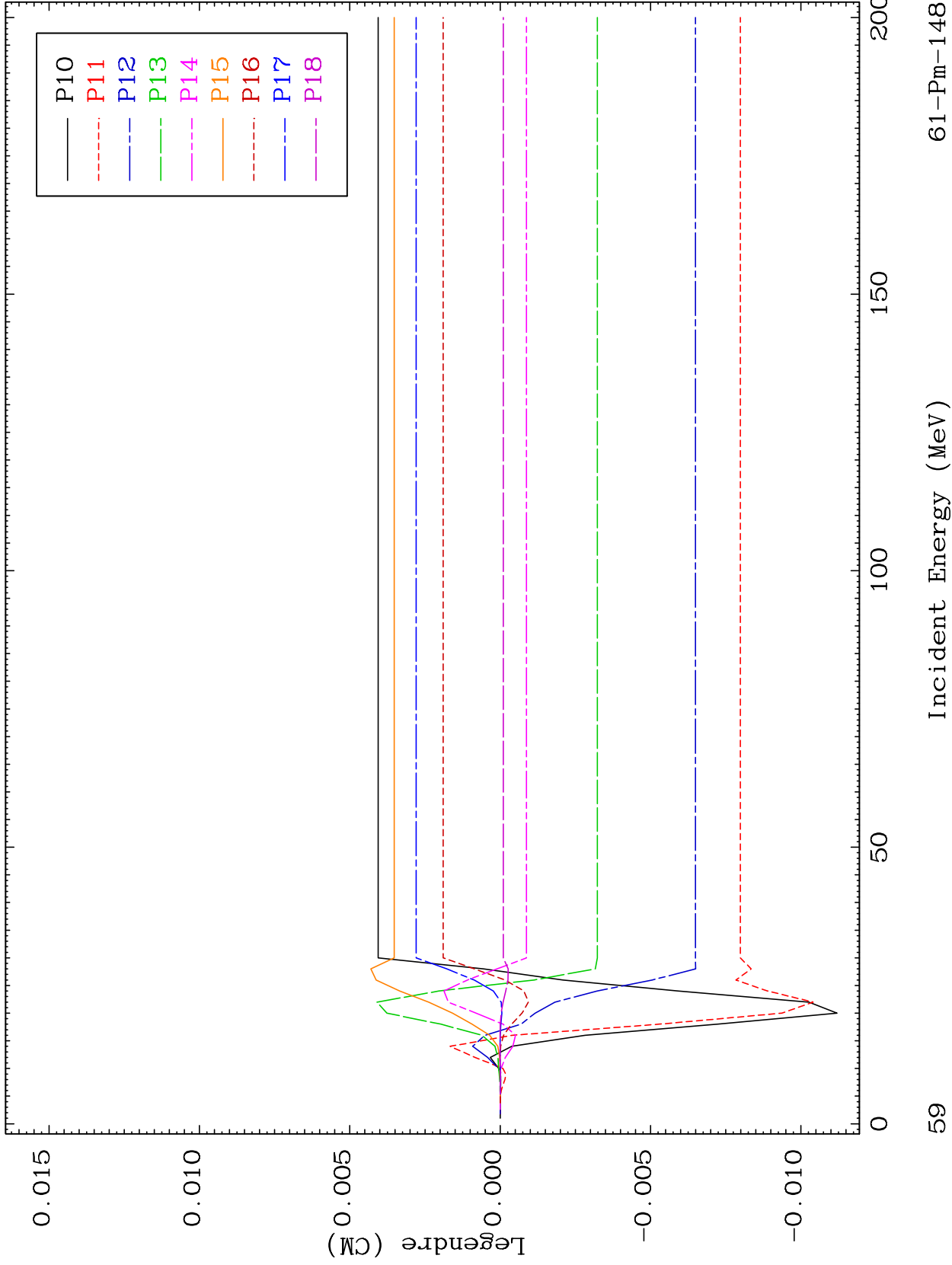
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



59

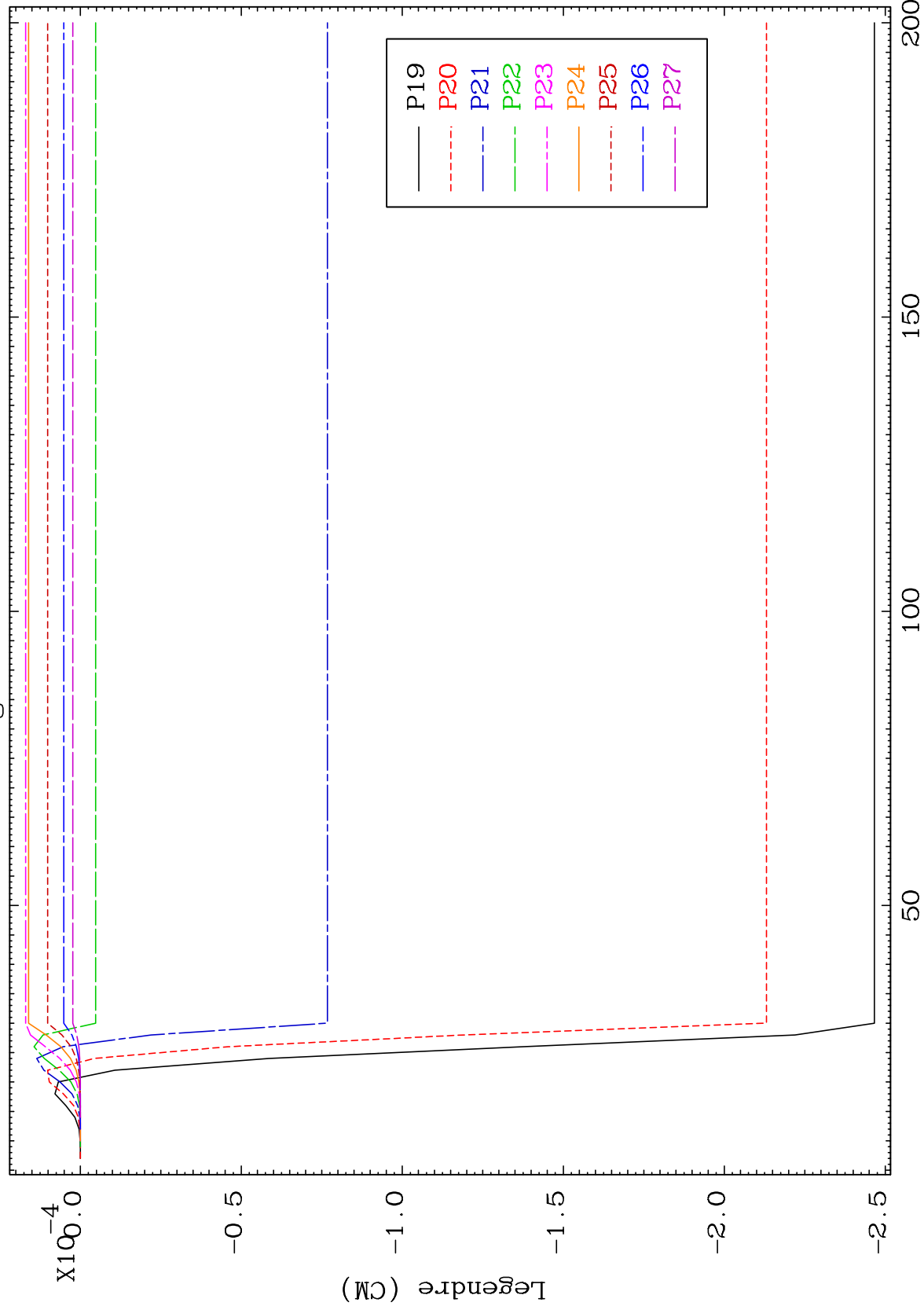
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



61-Pm-148

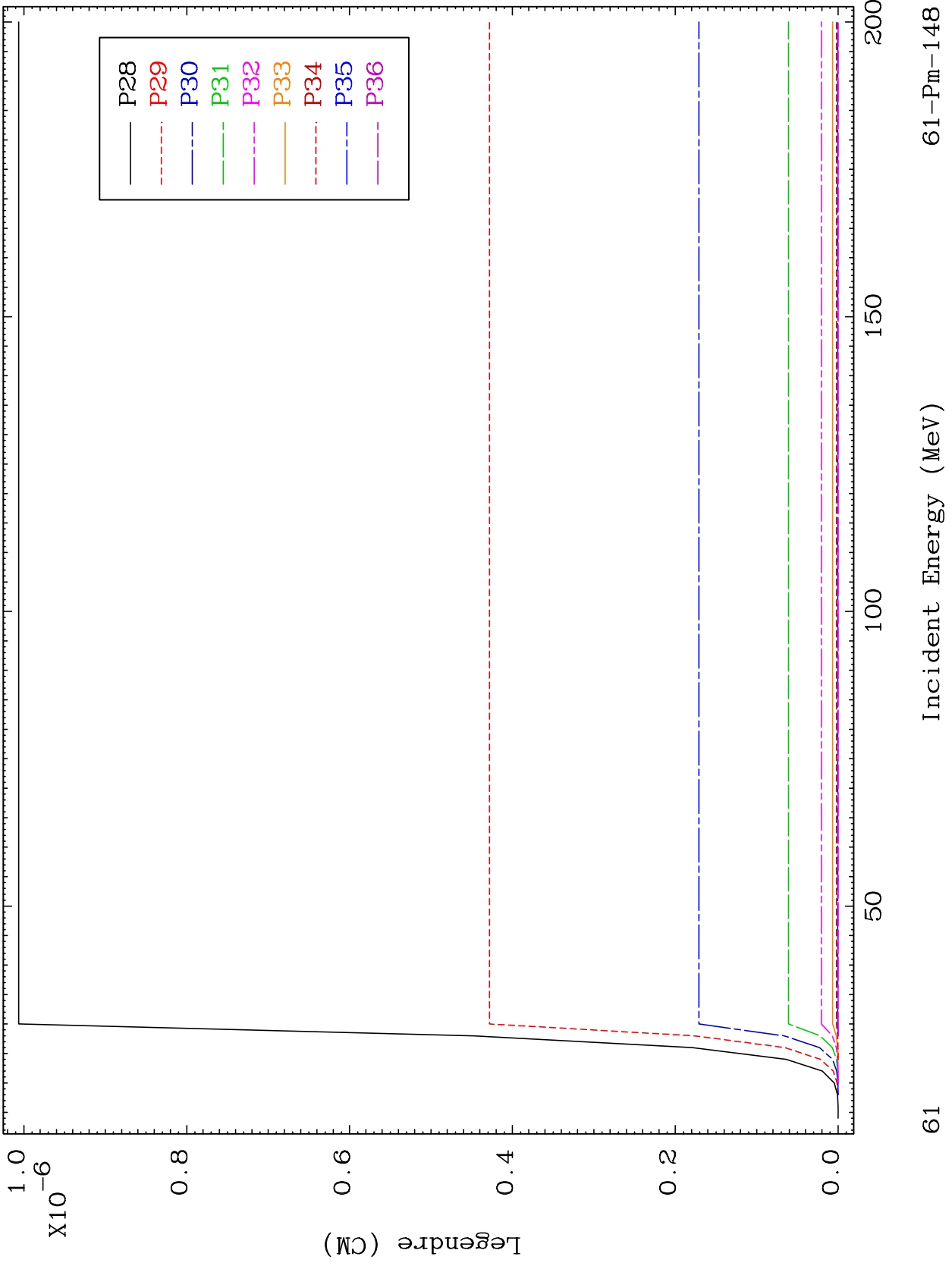
Incident Energy (MeV)

60

MAT 6152

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

61-Pm-148



61

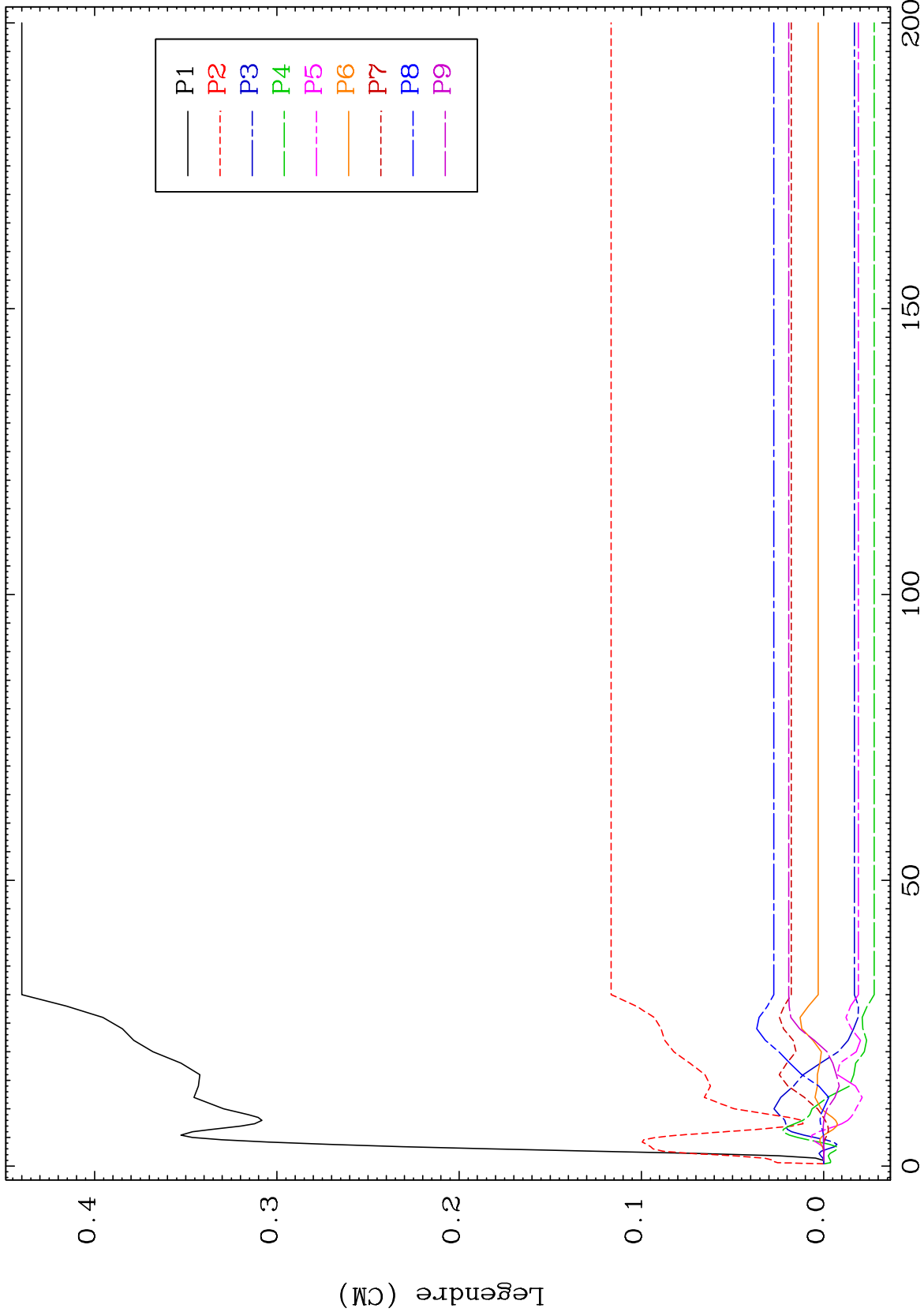
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



62

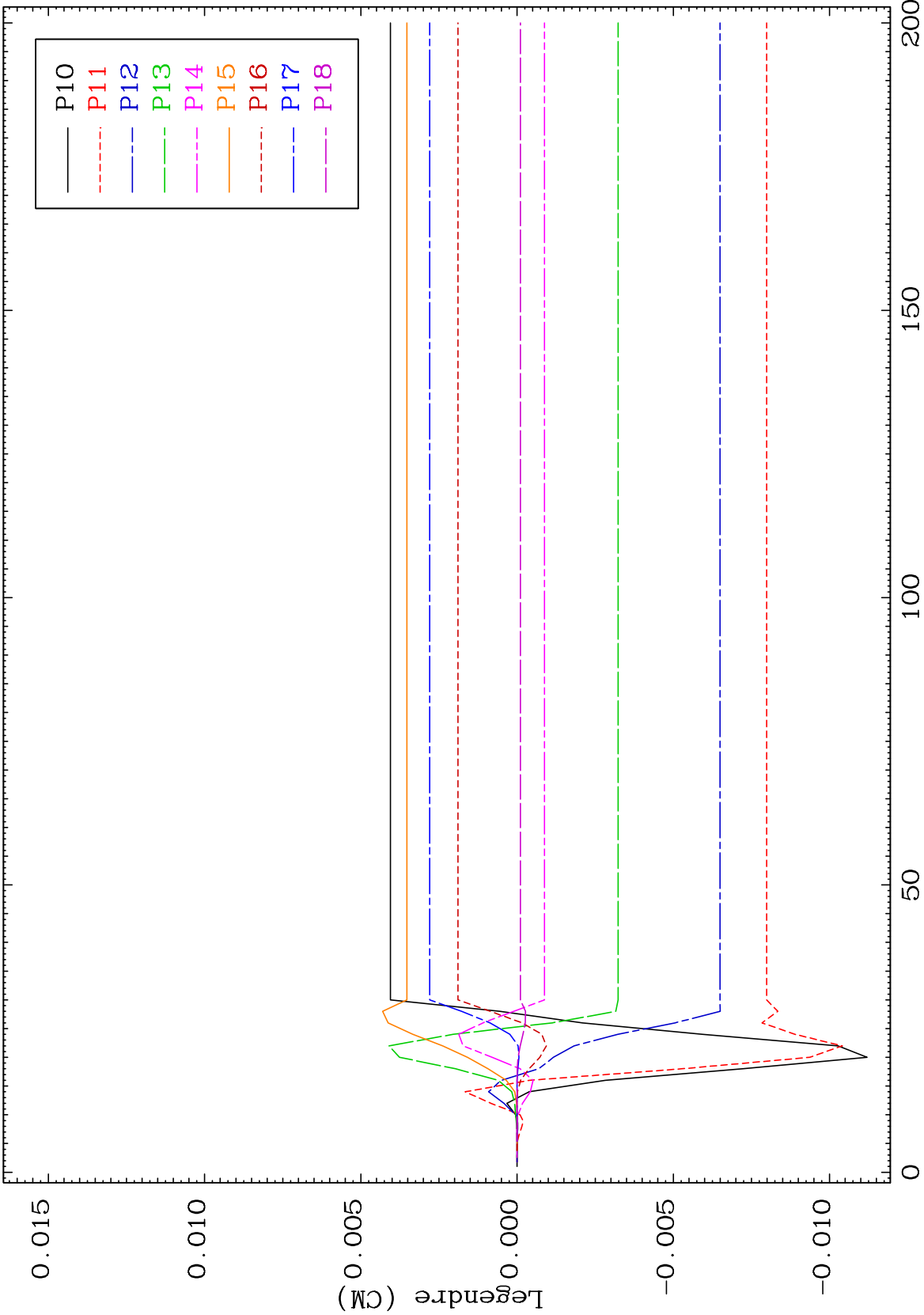
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



63

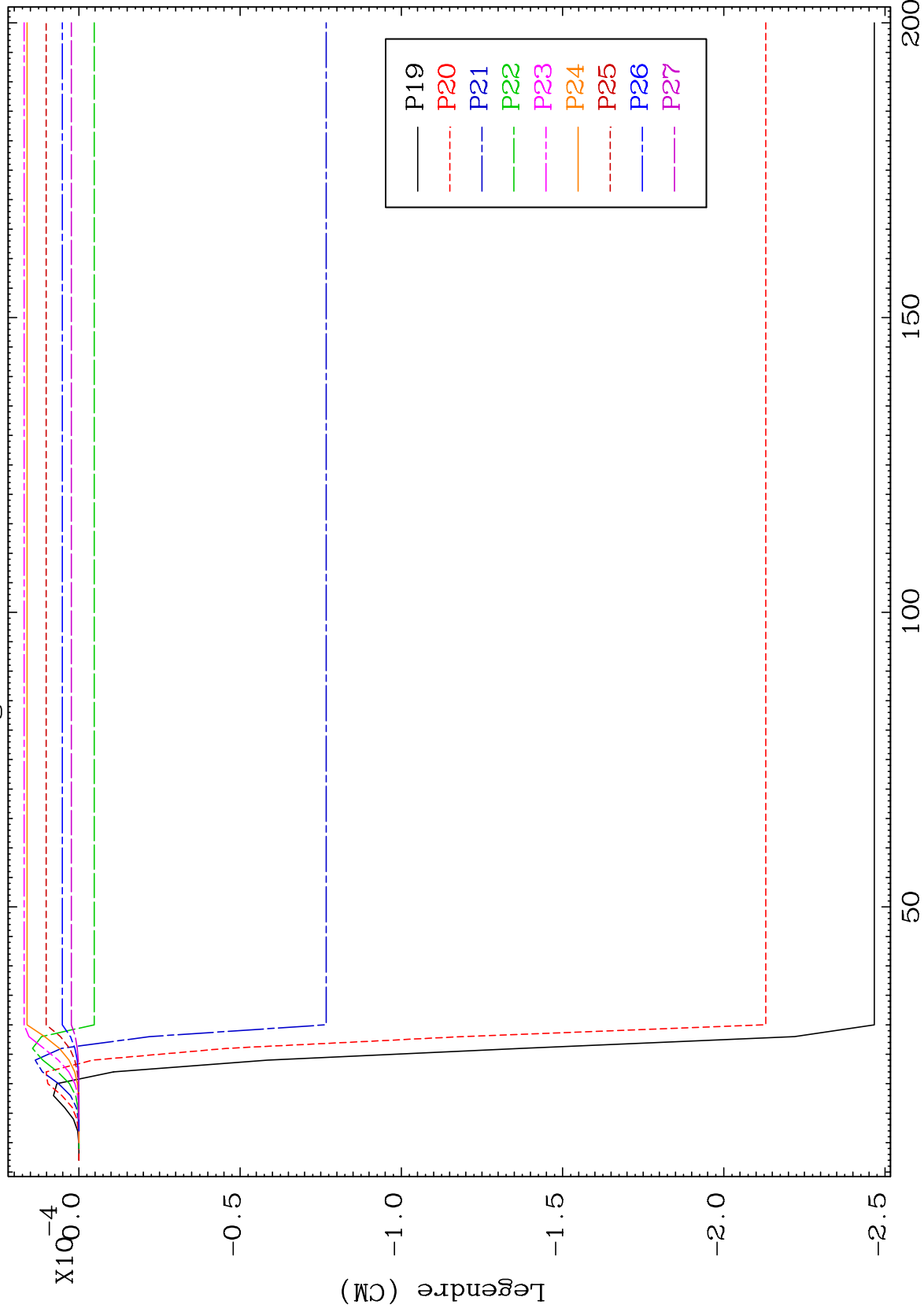
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



64

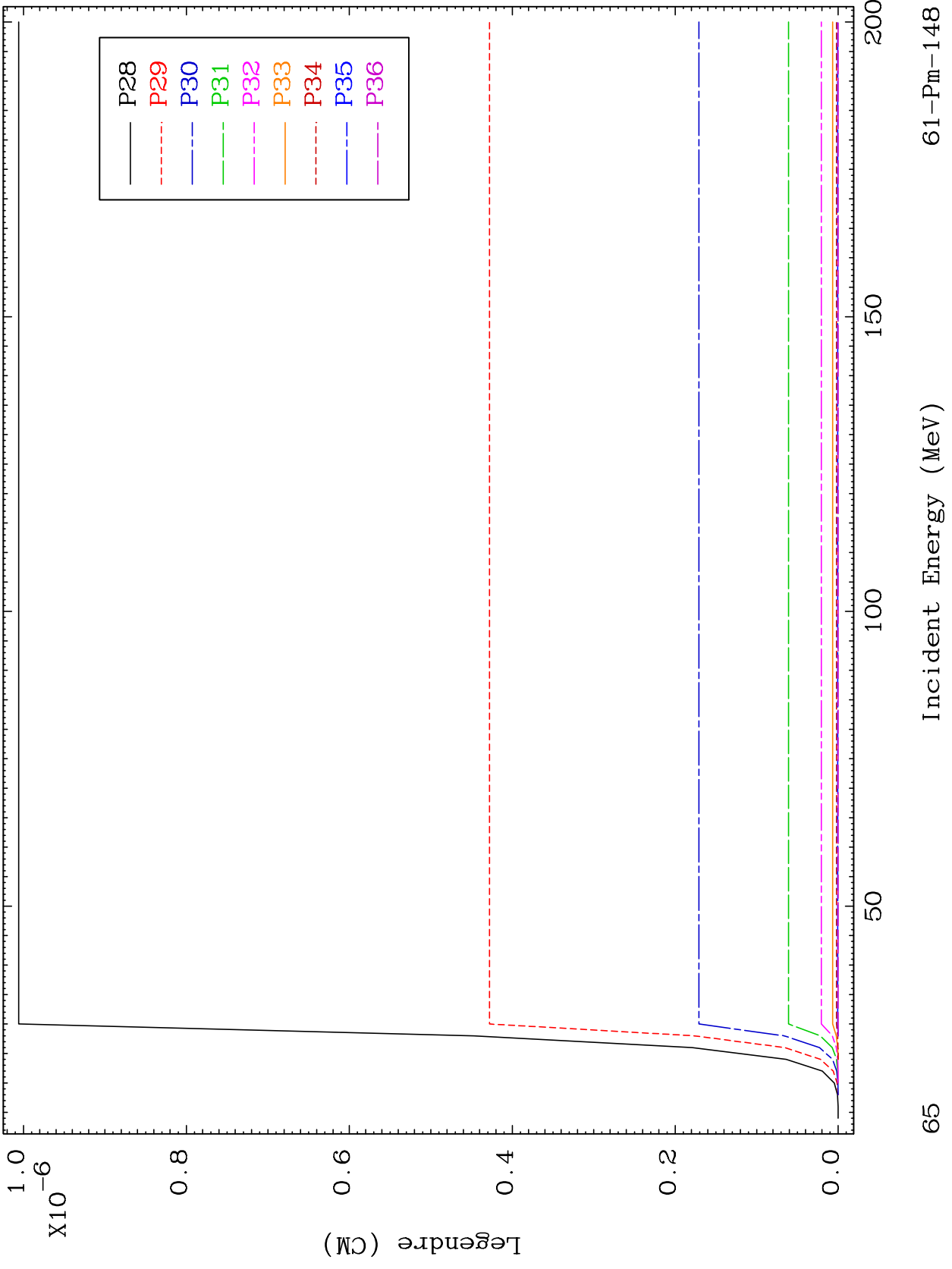
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



65

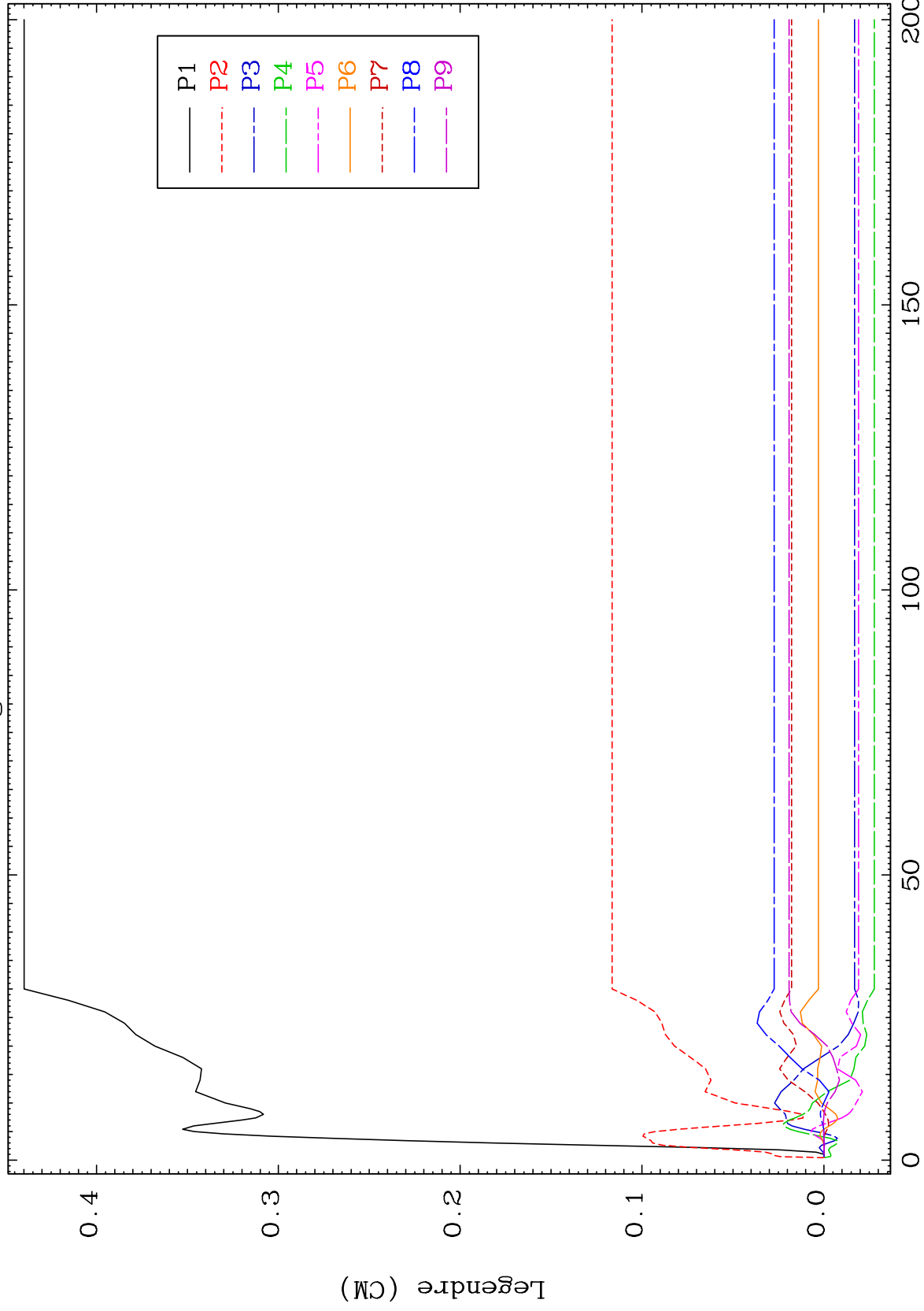
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



61-Pm-148

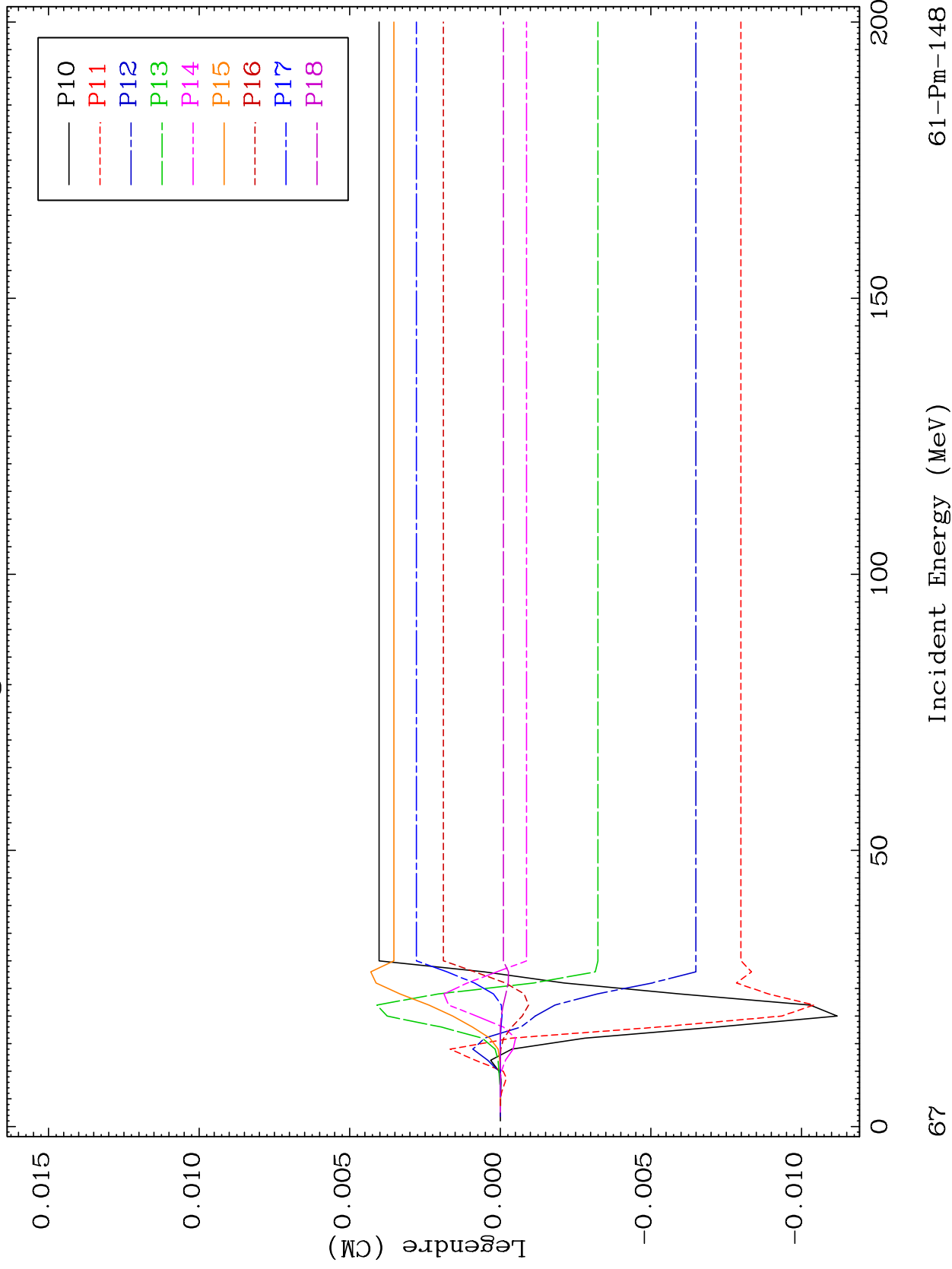
Incident Energy (MeV)

66

MAT 6152

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

61-Pm-148



61-Pm-148

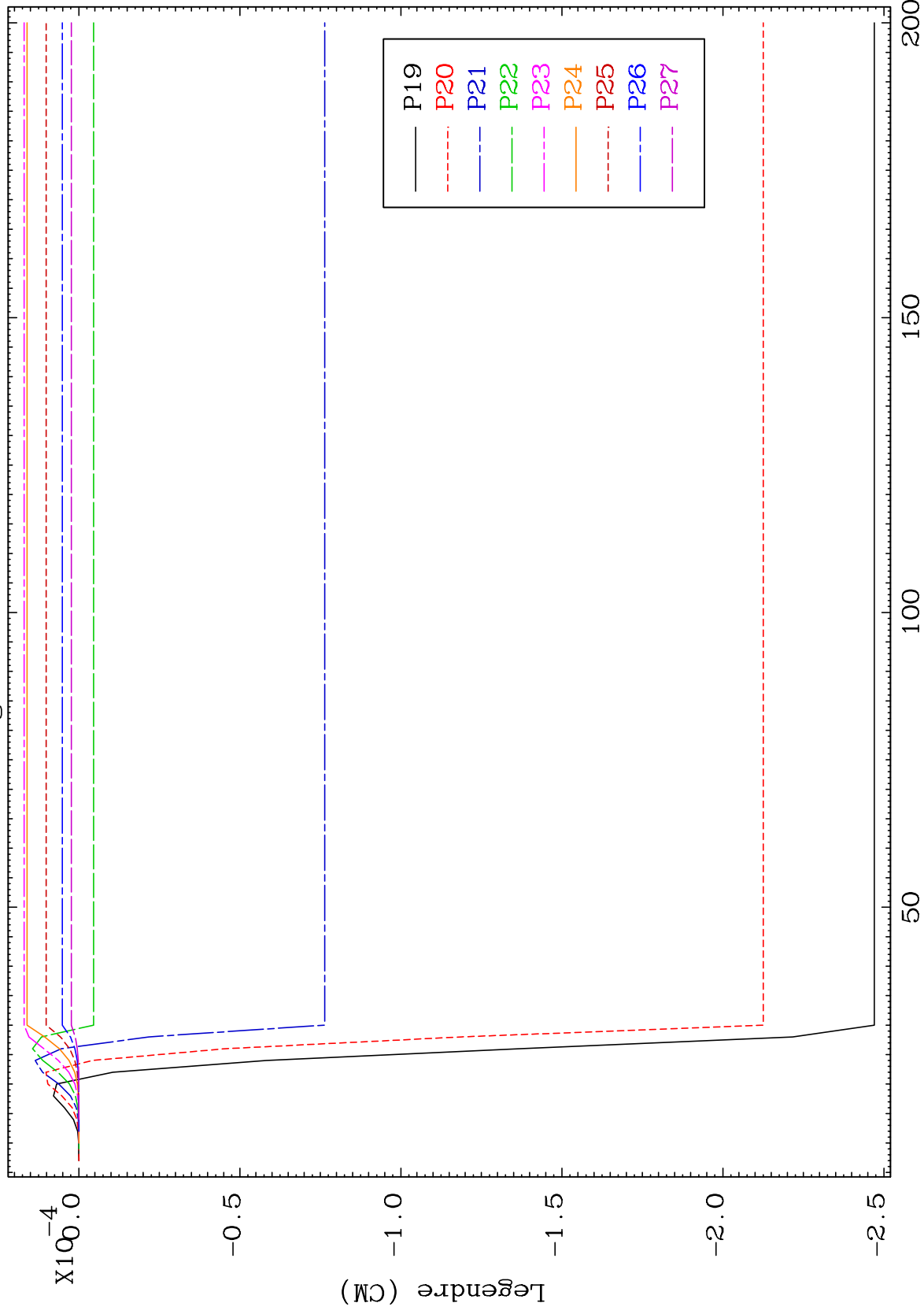
Incident Energy (MeV)

67

MAT 6152

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

61-Pm-148



68

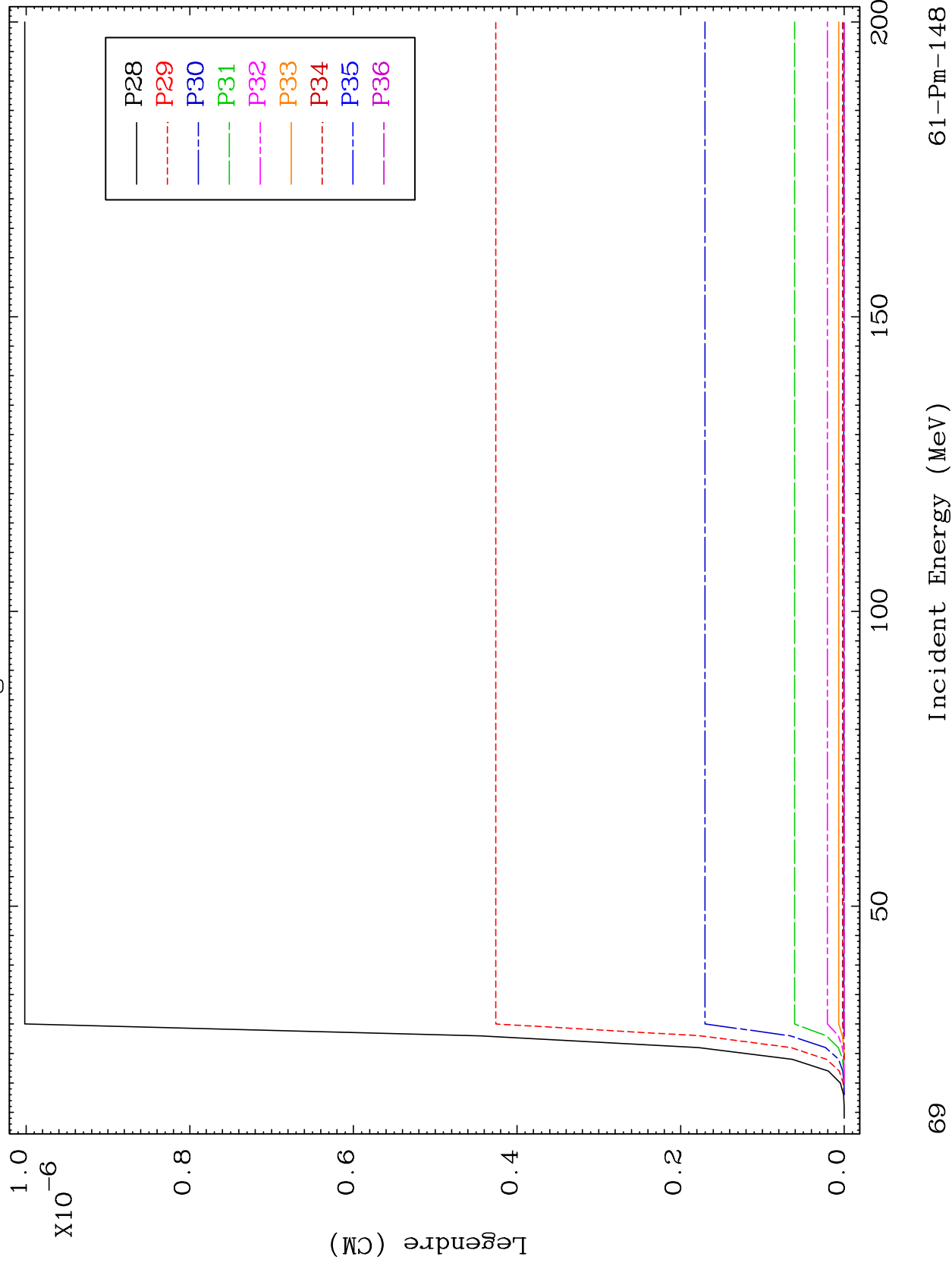
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



69

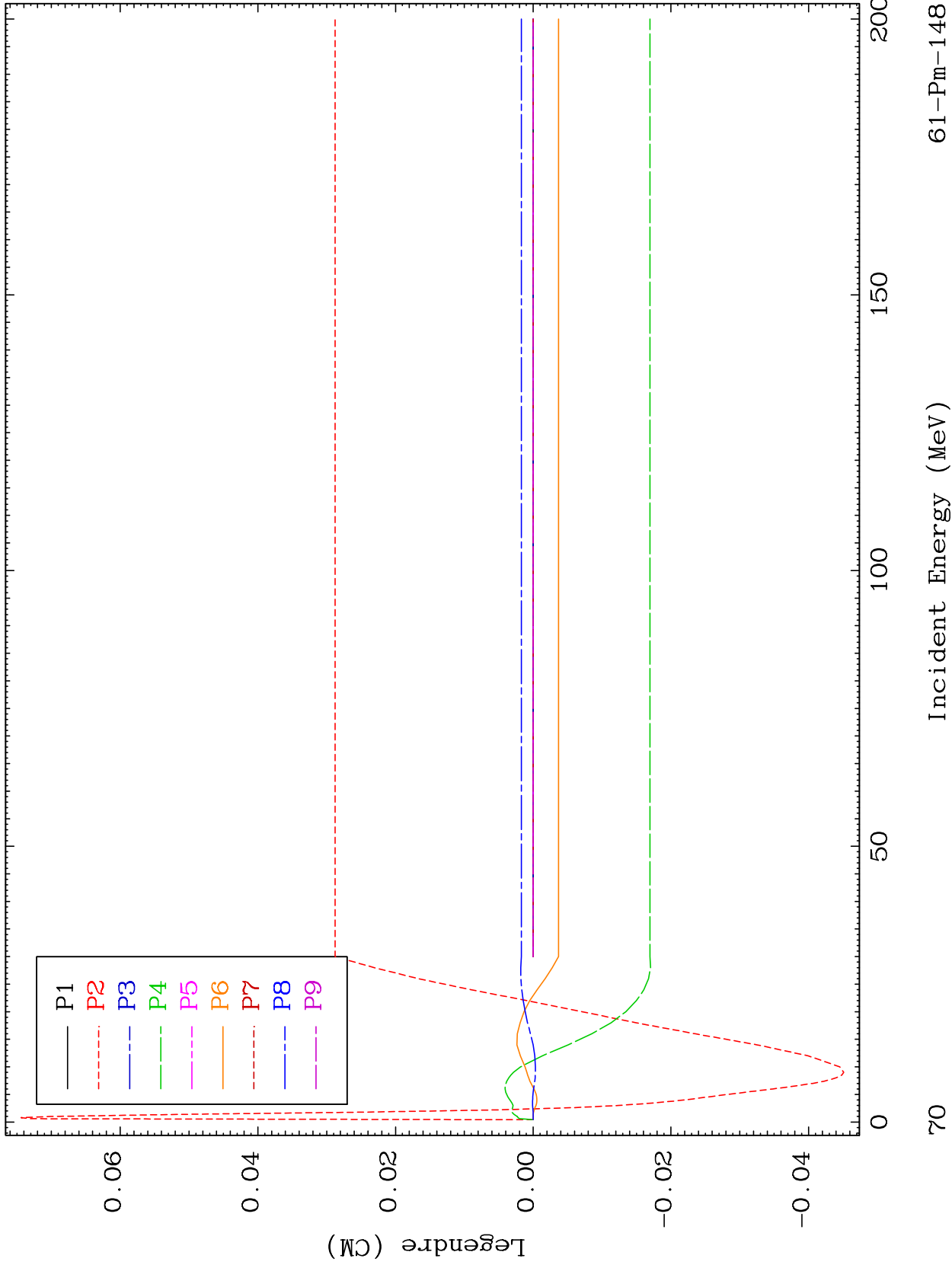
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

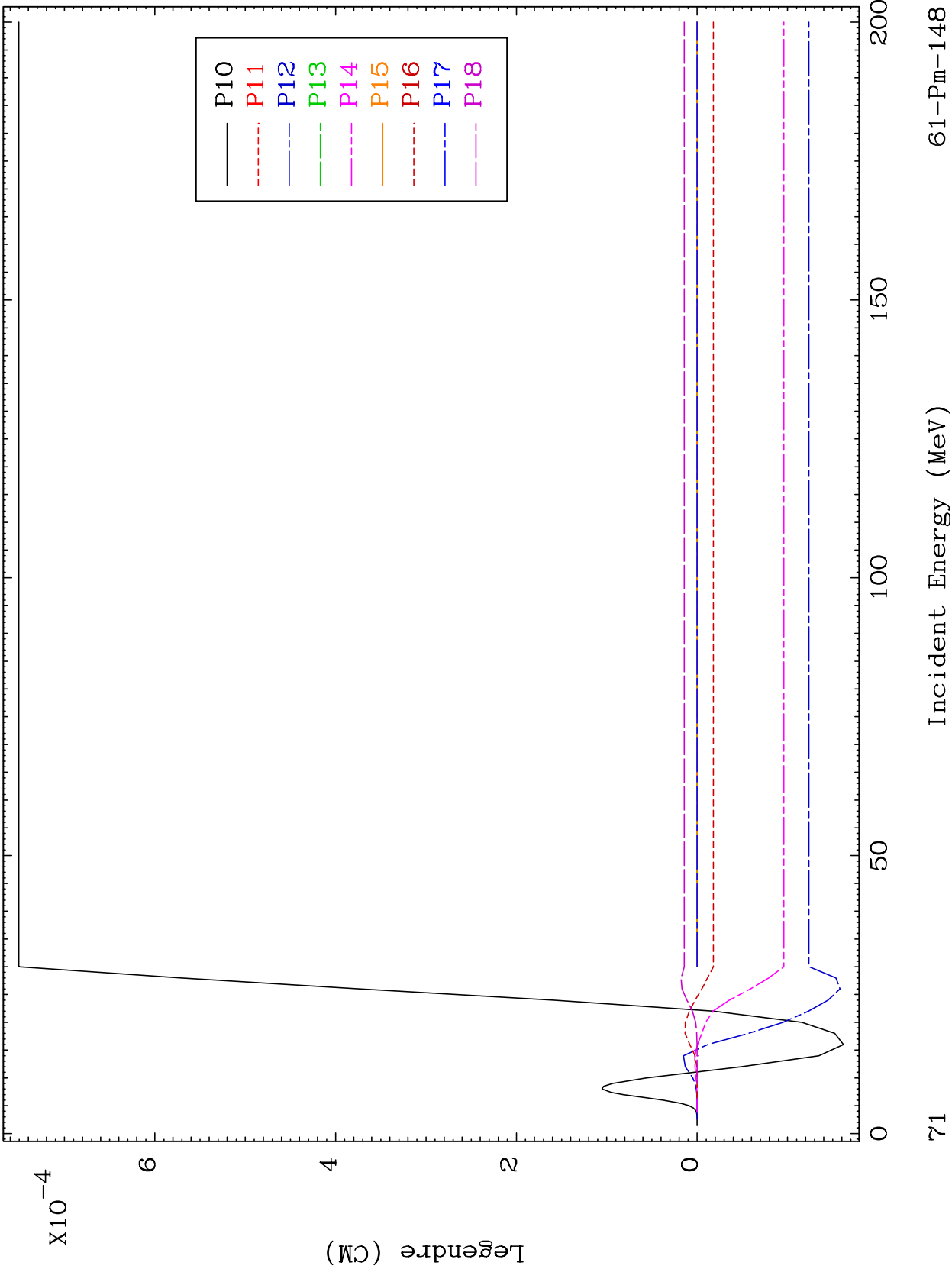
61-Pm-148



MAT 6152

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

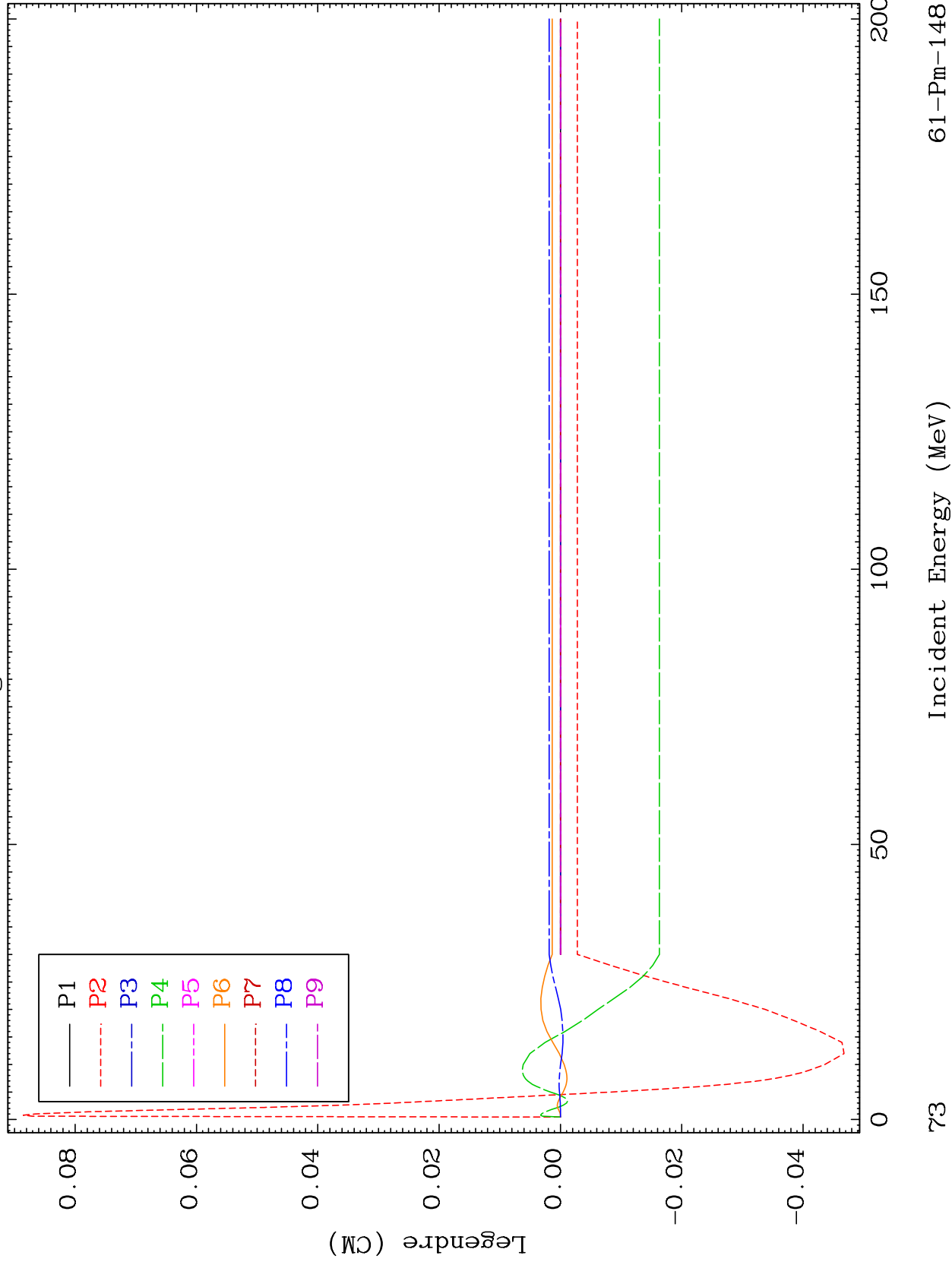
61-Pm-148



MAT 6152

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

61-Pm-148



73

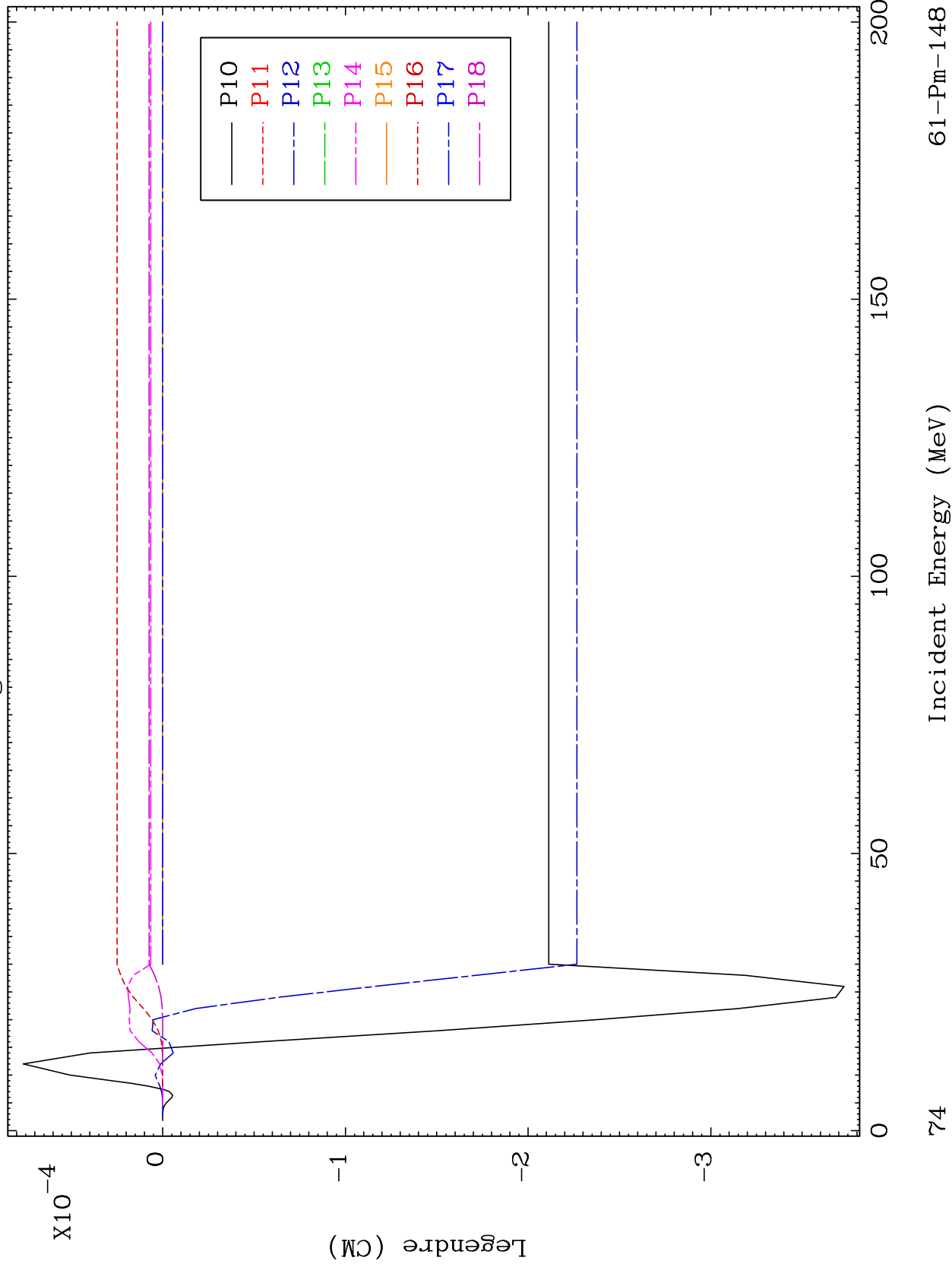
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



74

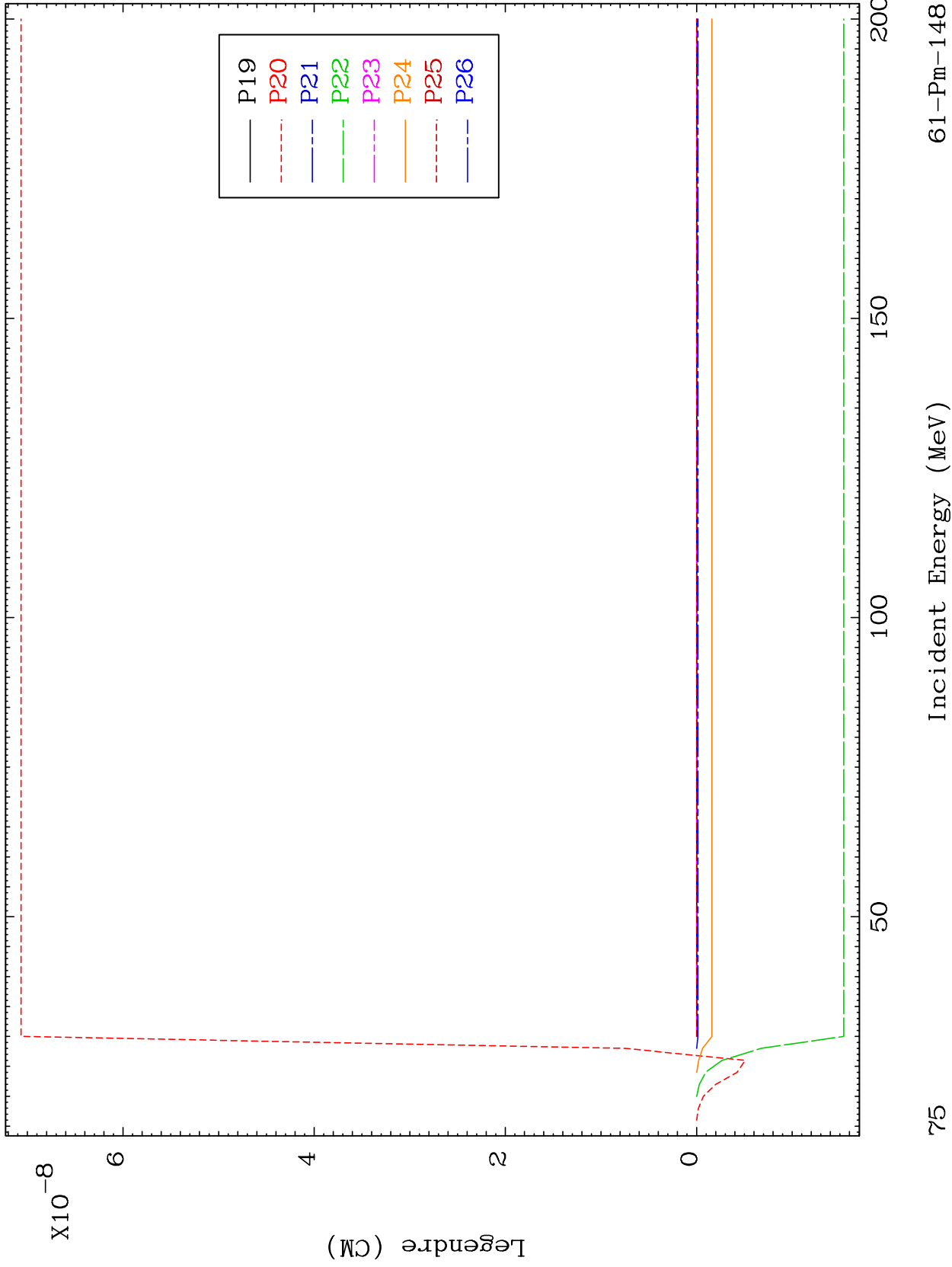
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

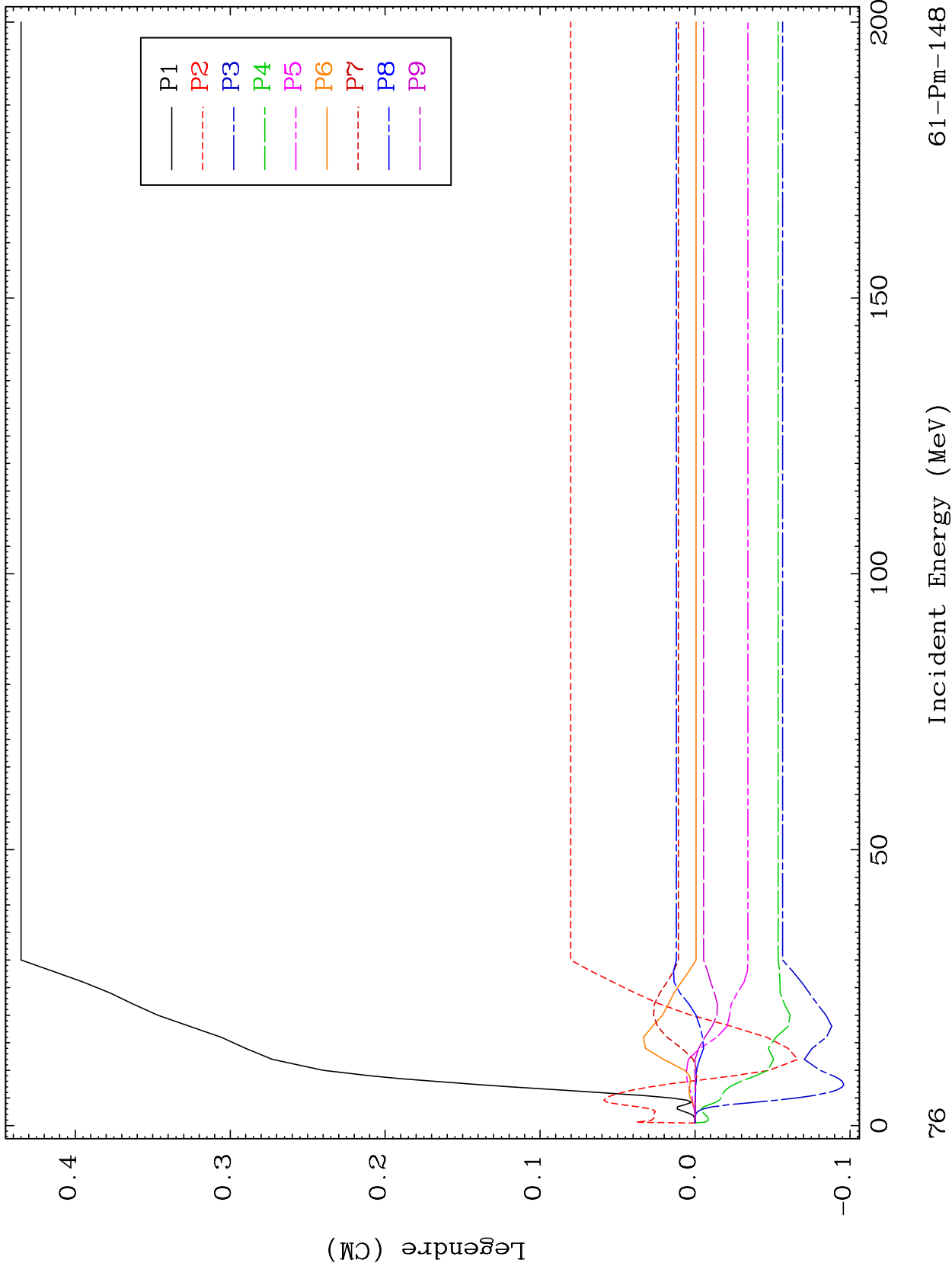
61-Pm-148



MAT 6152

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

61-Pm-148



61-Pm-148

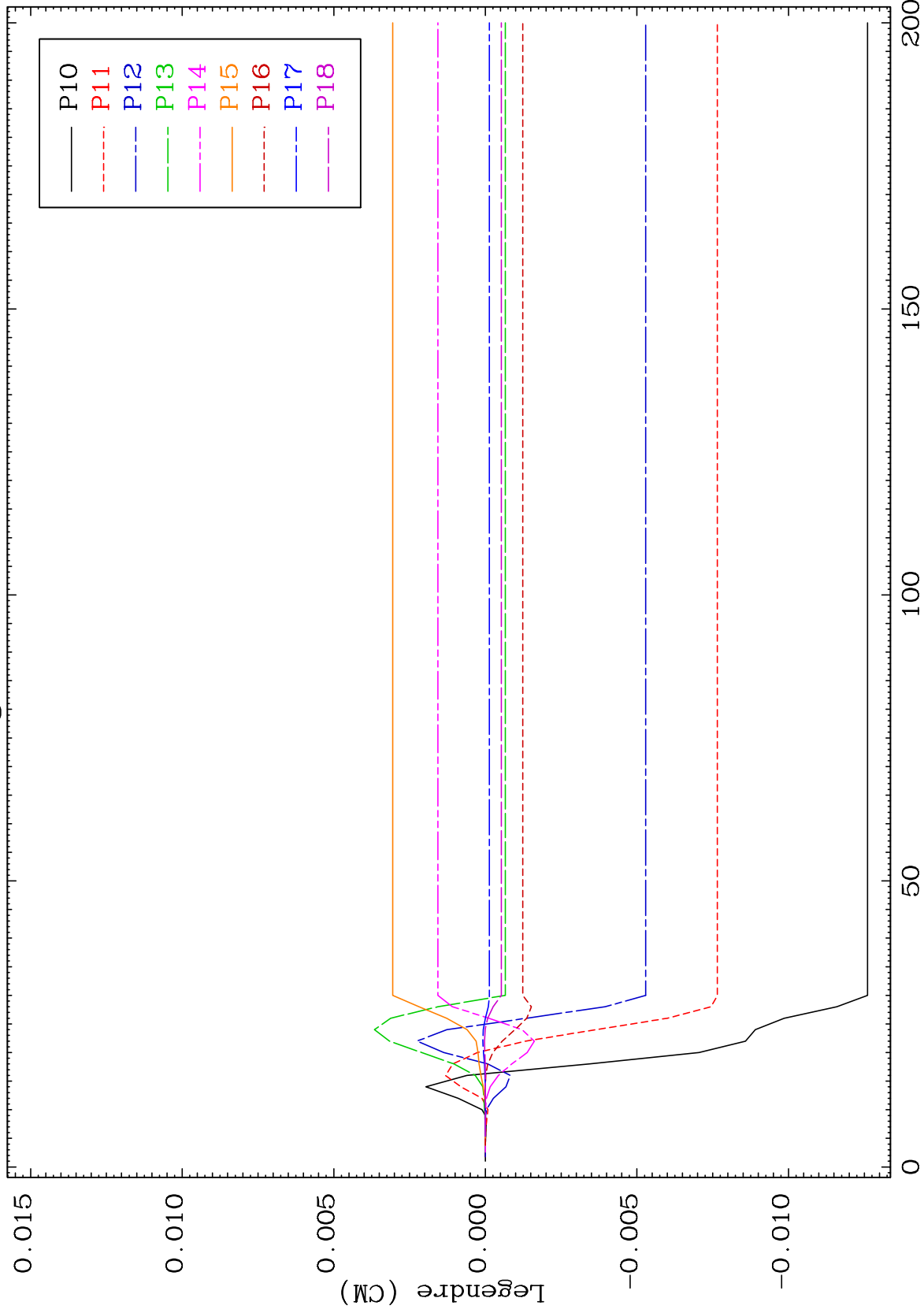
Incident Energy (MeV)

76

MAT 6152

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

61-Pm-148



77

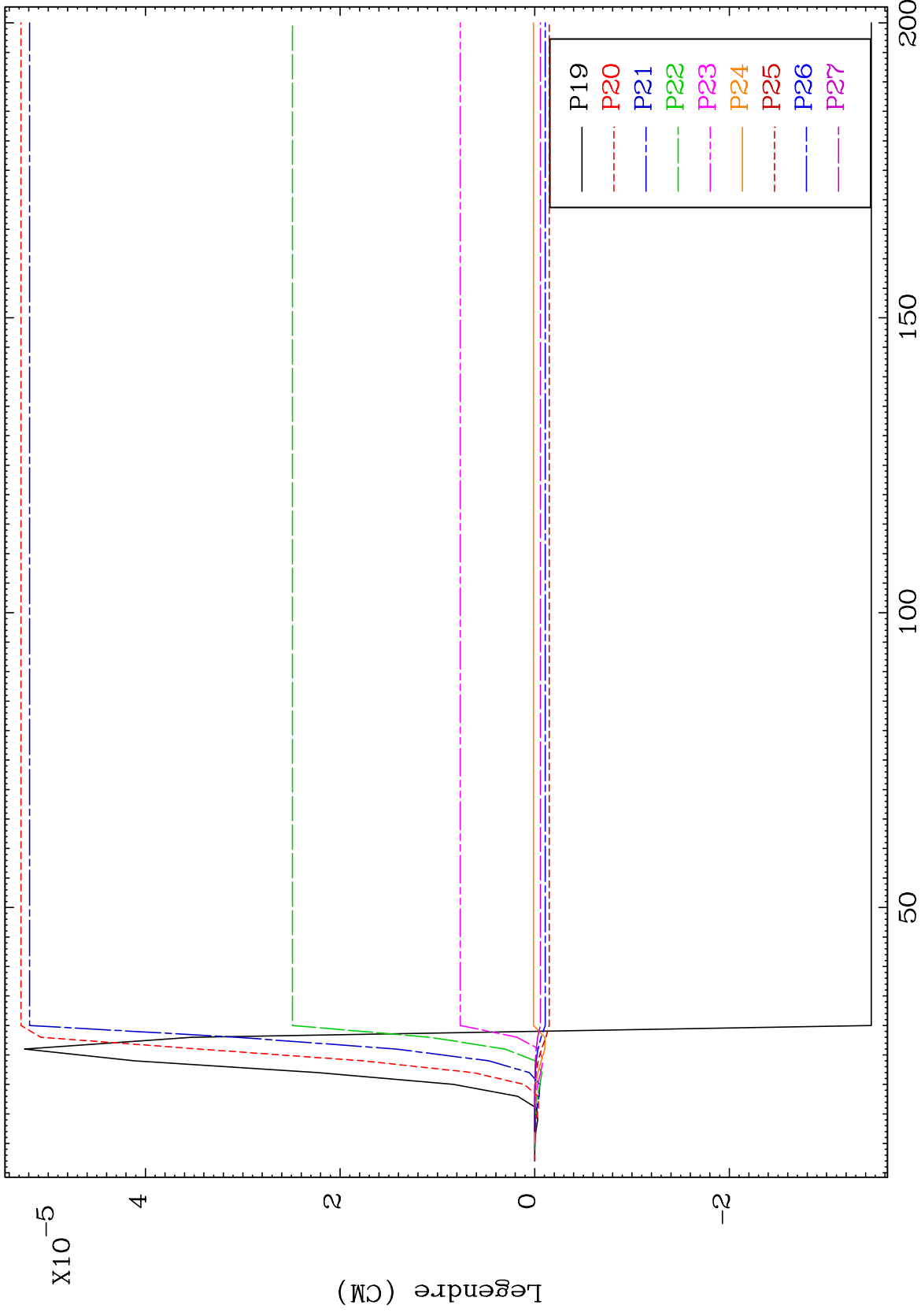
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



78

Incident Energy (MeV)

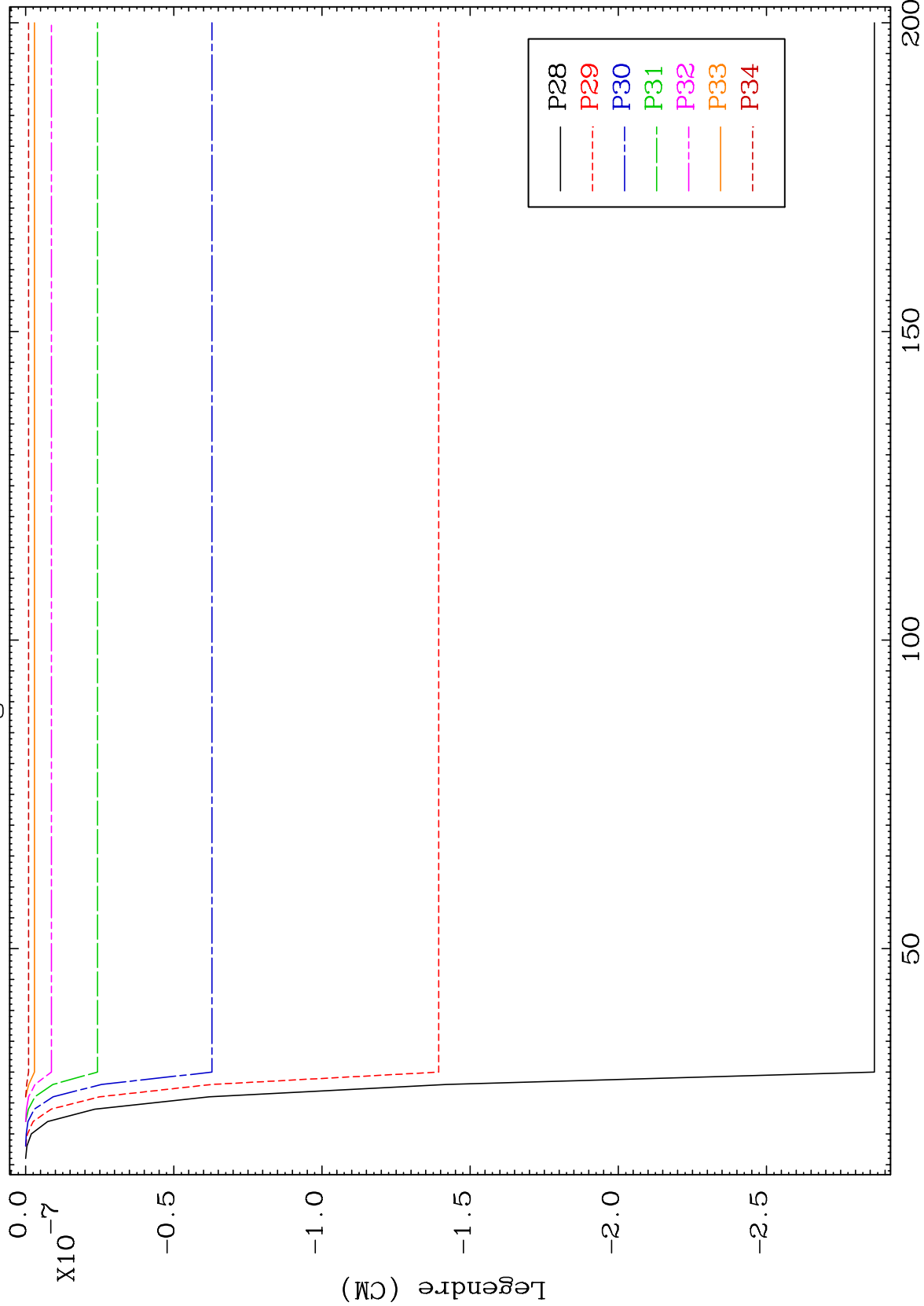
61-Pm-148

MAT 6152

MT= 67 (n,n') Level

61-Pm-148

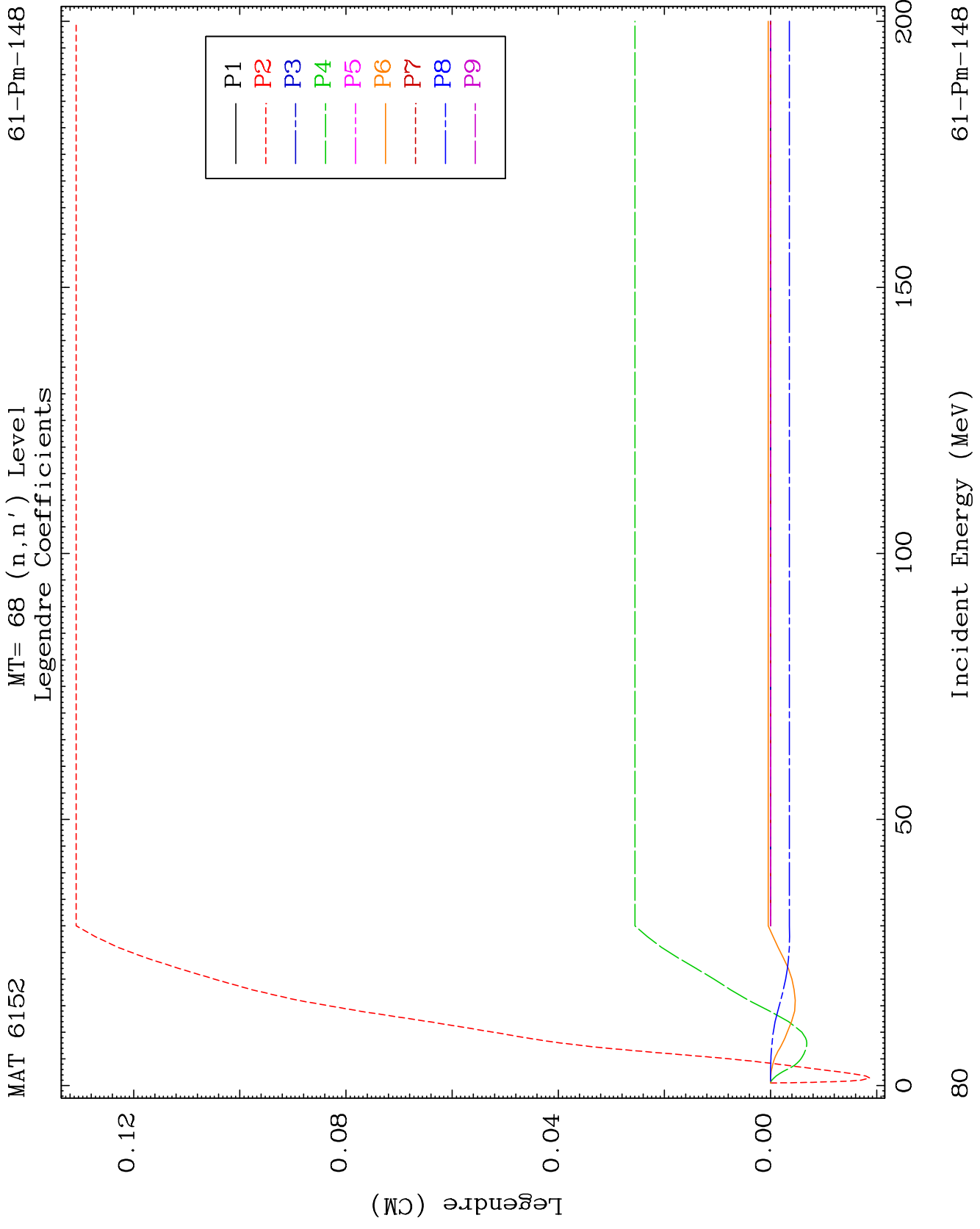
Legendre Coefficients



79

Incident Energy (MeV)

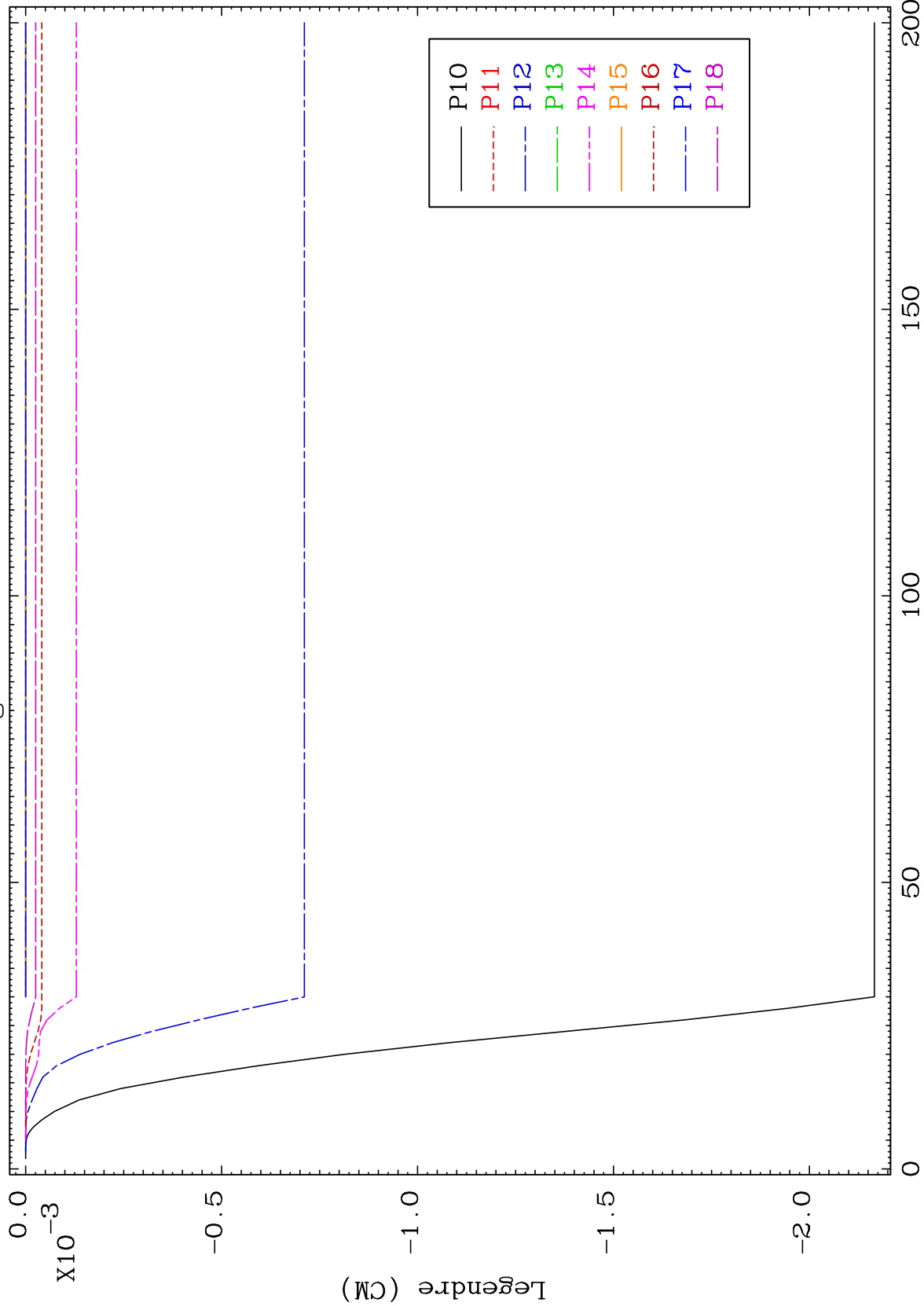
61-Pm-148



MAT 6152

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

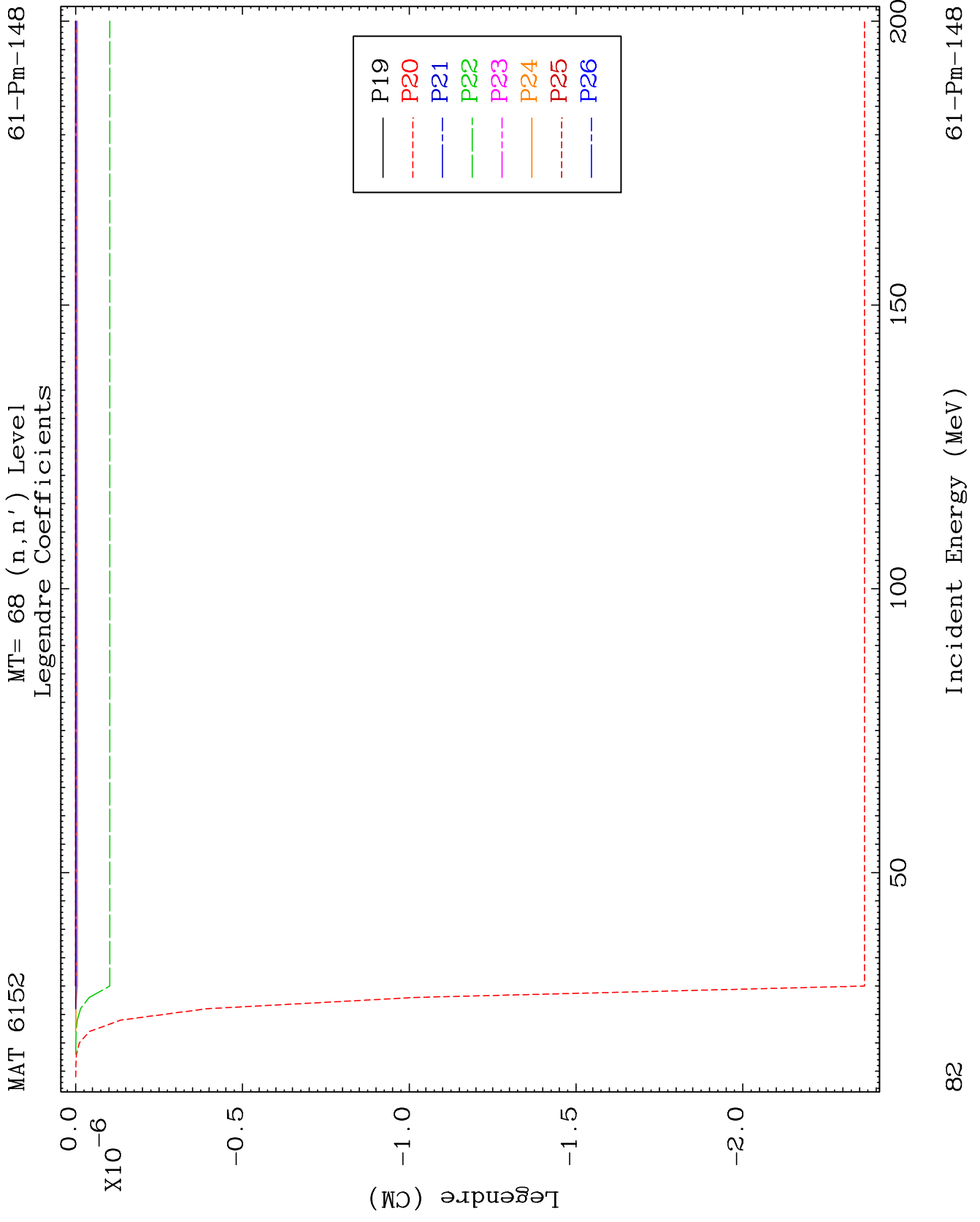
61-Pm-148



81

Incident Energy (MeV)

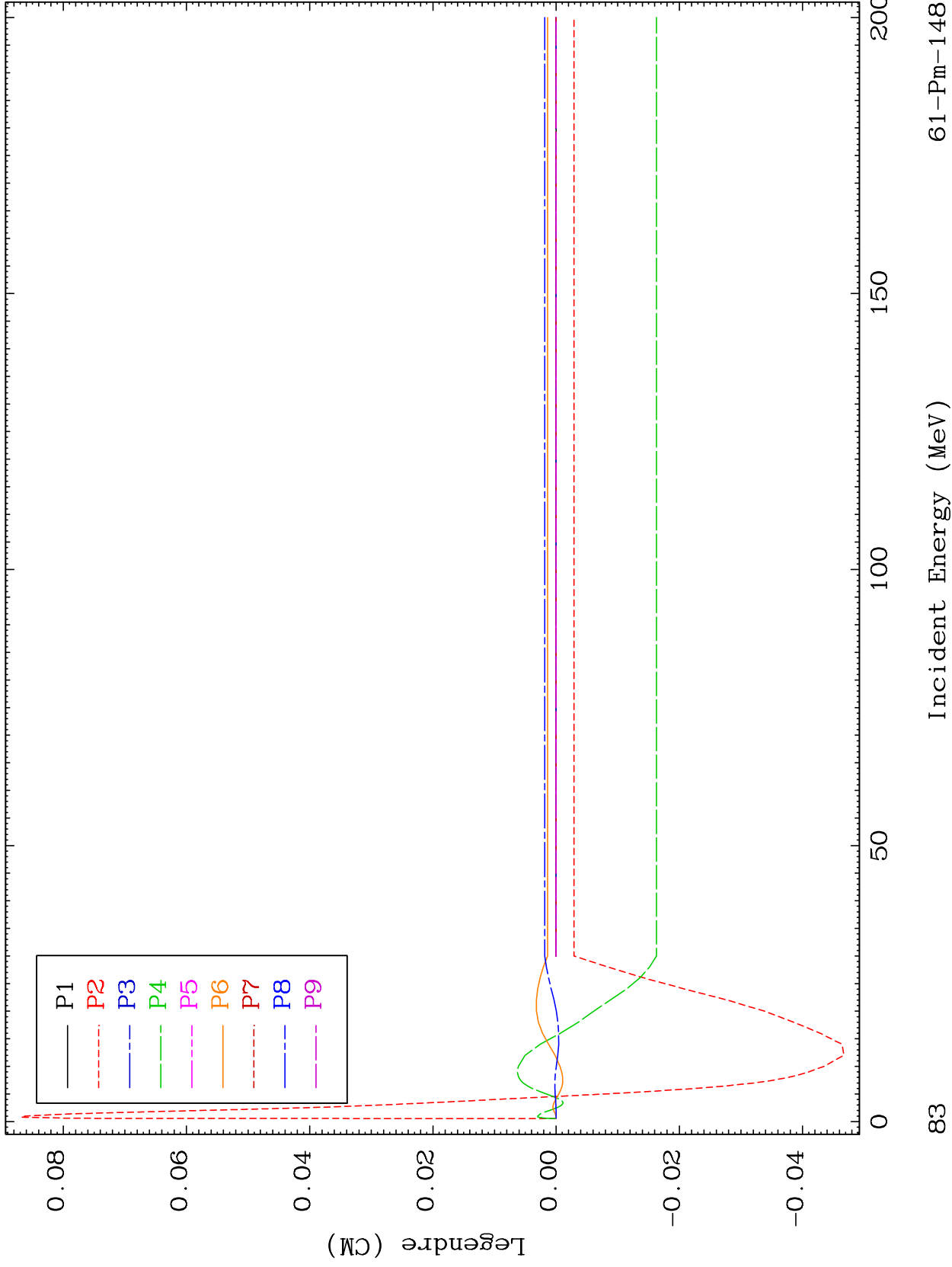
61-Pm-148



MAT 6152

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

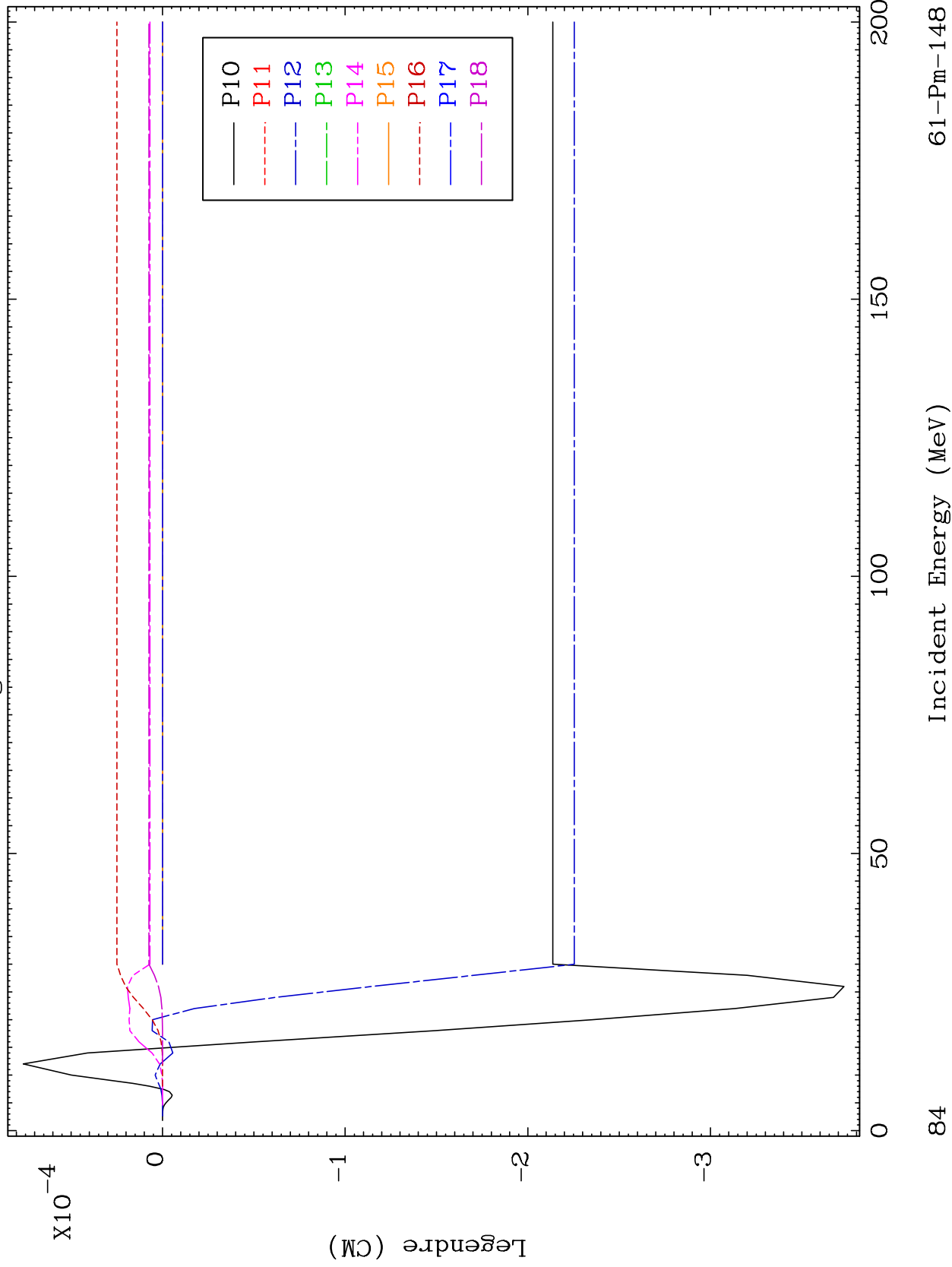
61-Pm-148



MAT 6152

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

61-Pm-148



84

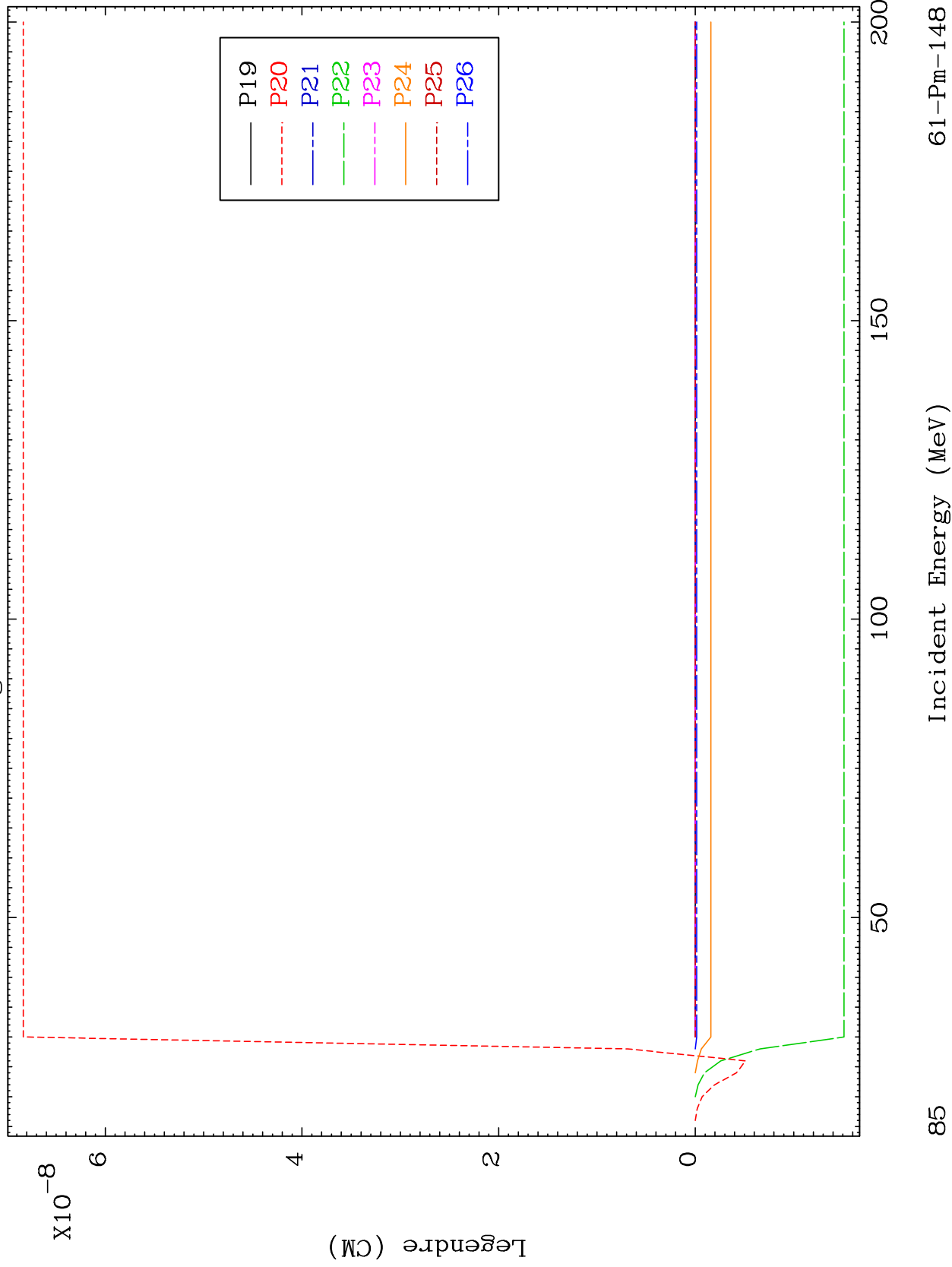
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



61-Pm-148

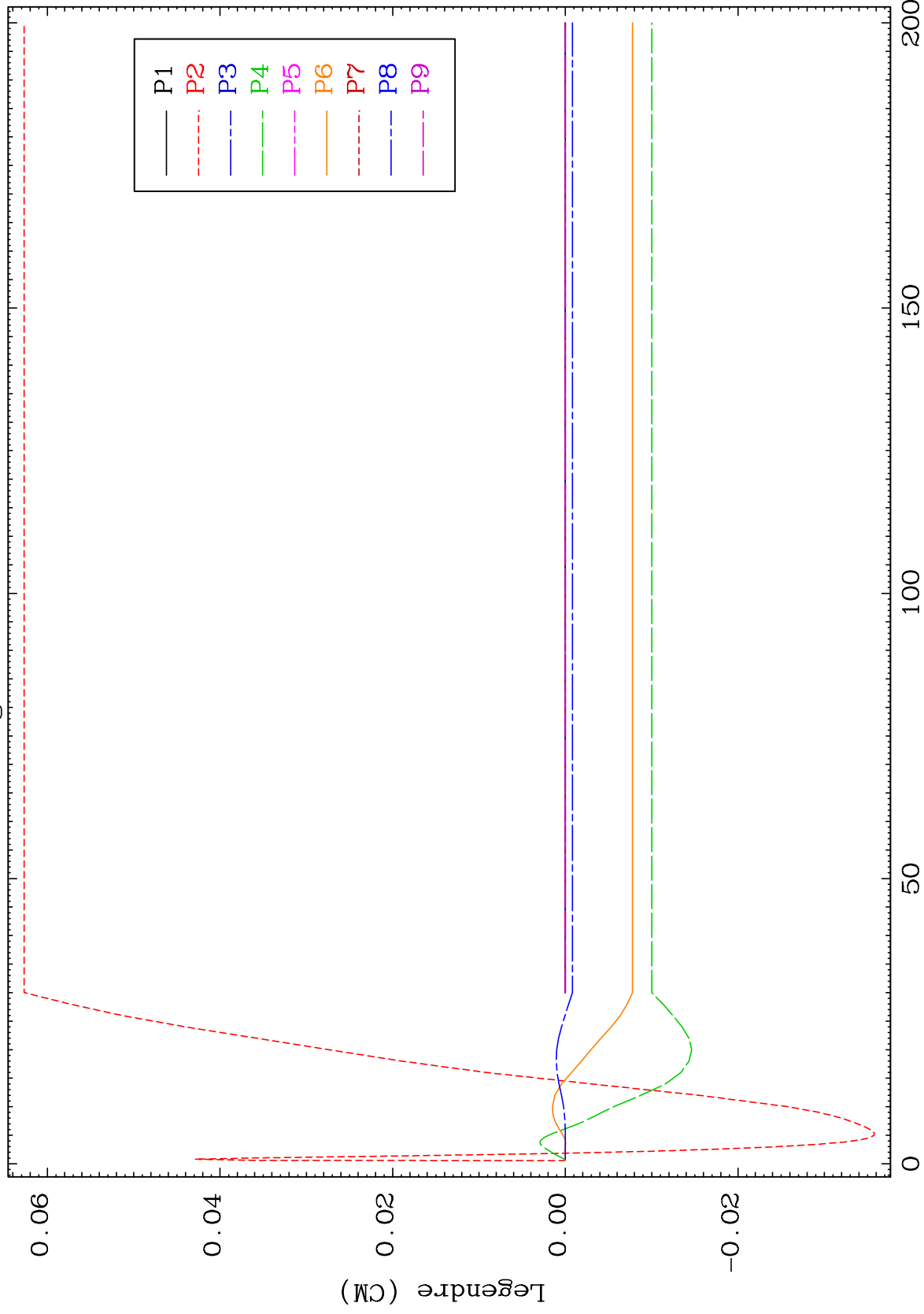
Incident Energy (MeV)

85

MAT 6152

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

61-Pm-148



61-Pm-148

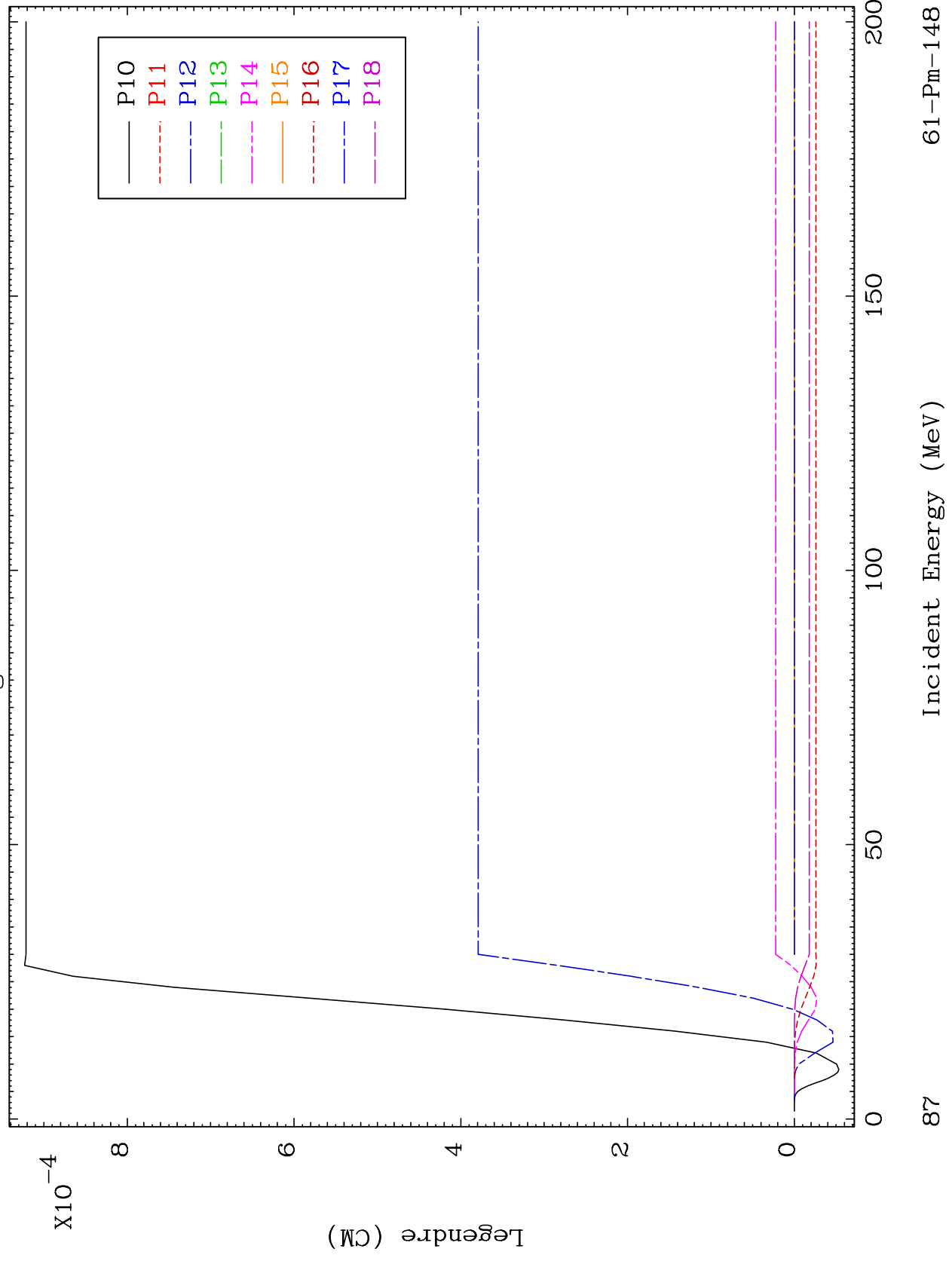
Incident Energy (MeV)

86

MAT 6152

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

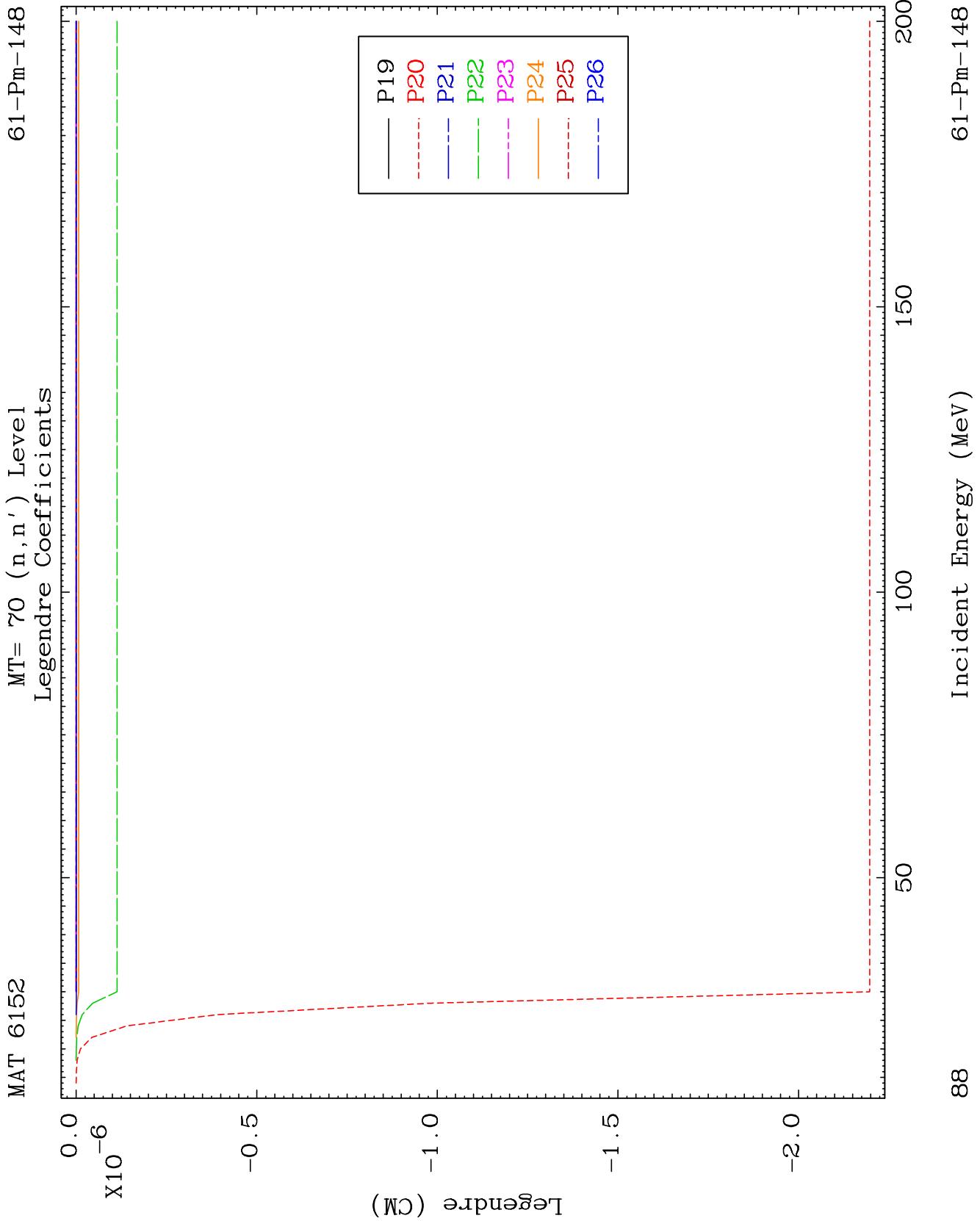
61-Pm-148



61-Pm-148

Incident Energy (MeV)

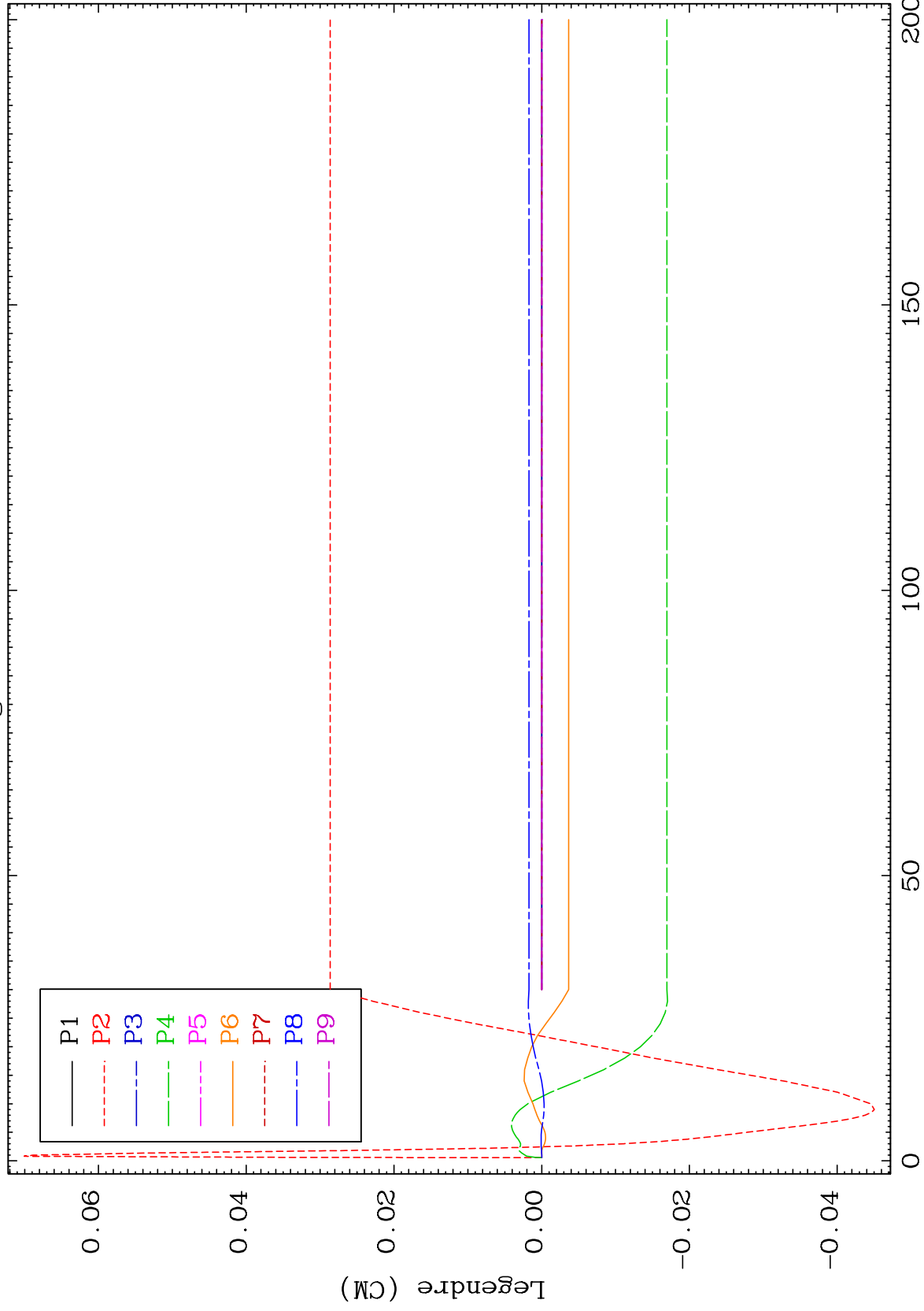
87



MAT 6152

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

61-Pm-148



89

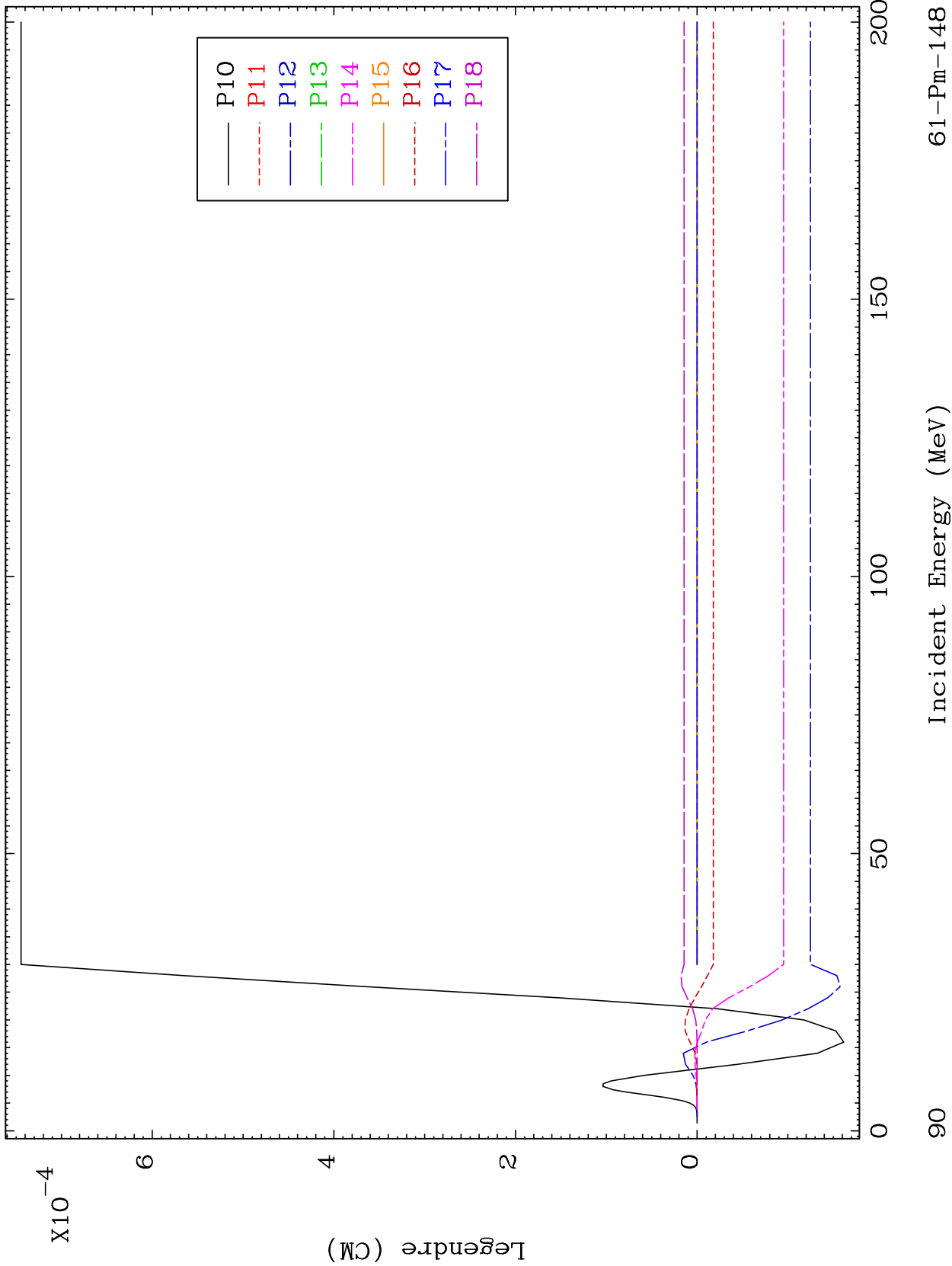
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



61-Pm-148

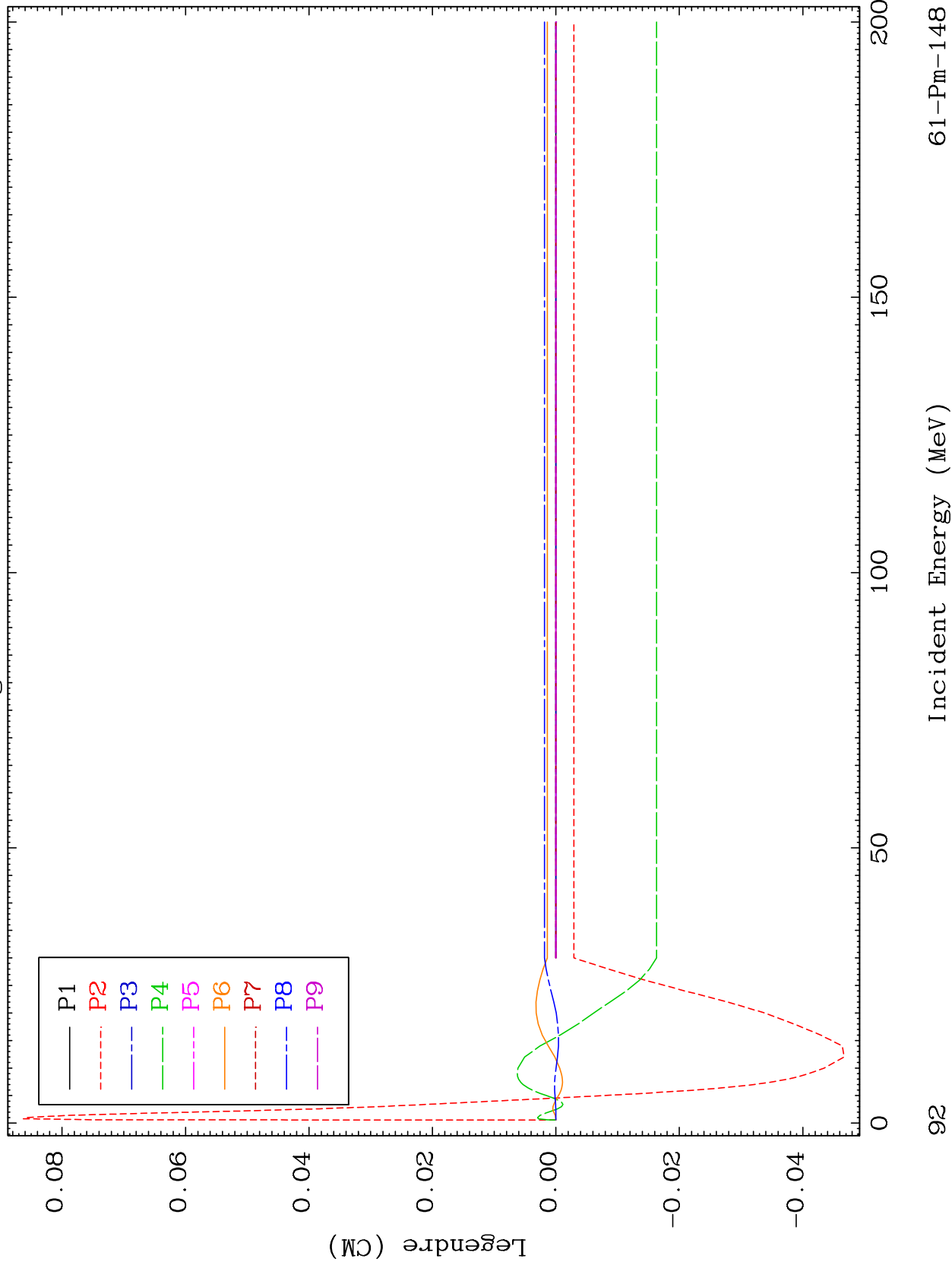
Incident Energy (MeV)

90

MAT 6152

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

61-Pm-148



61-Pm-148

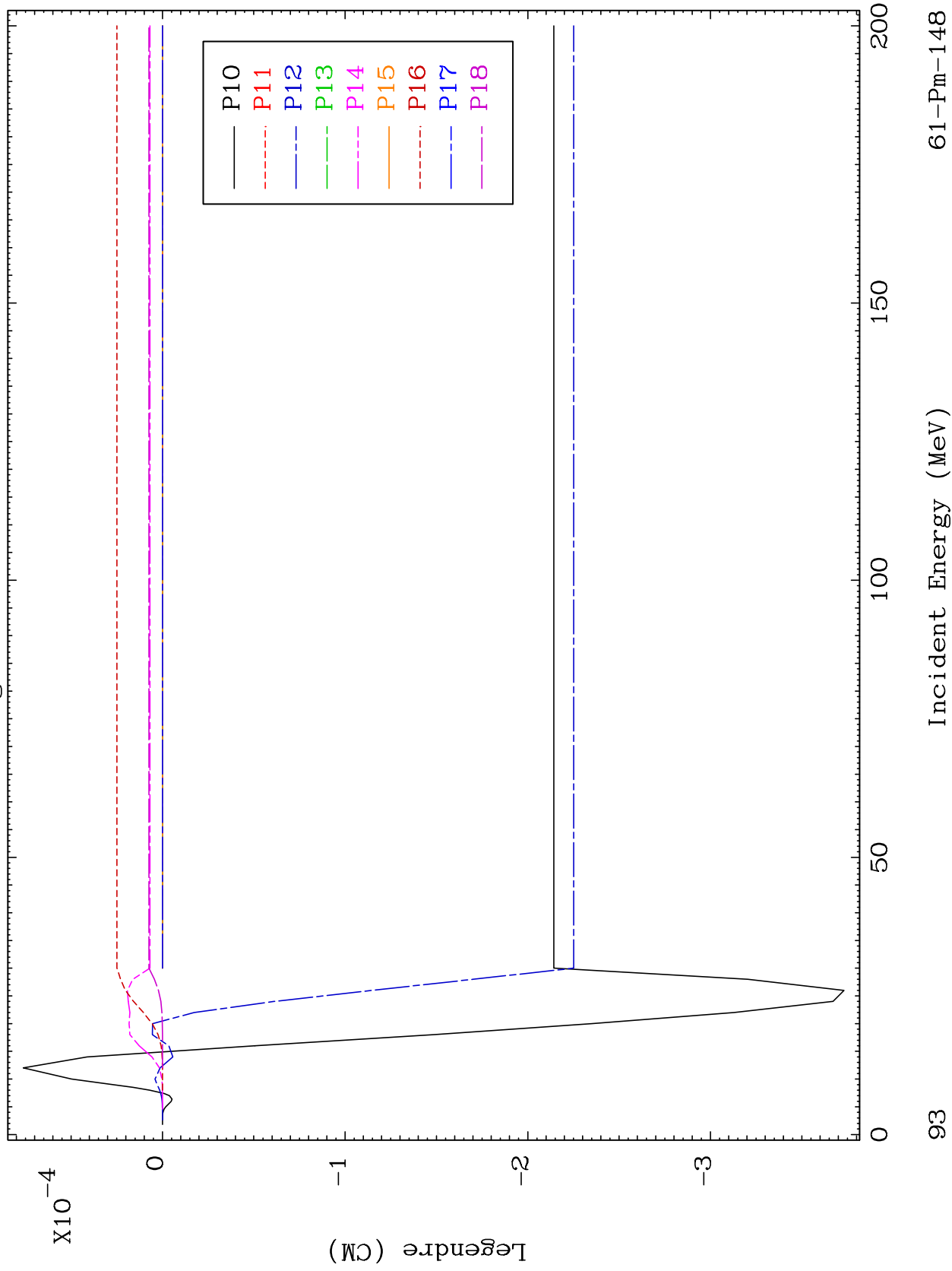
Incident Energy (MeV)

92

MAT 6152

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

61-Pm-148



93

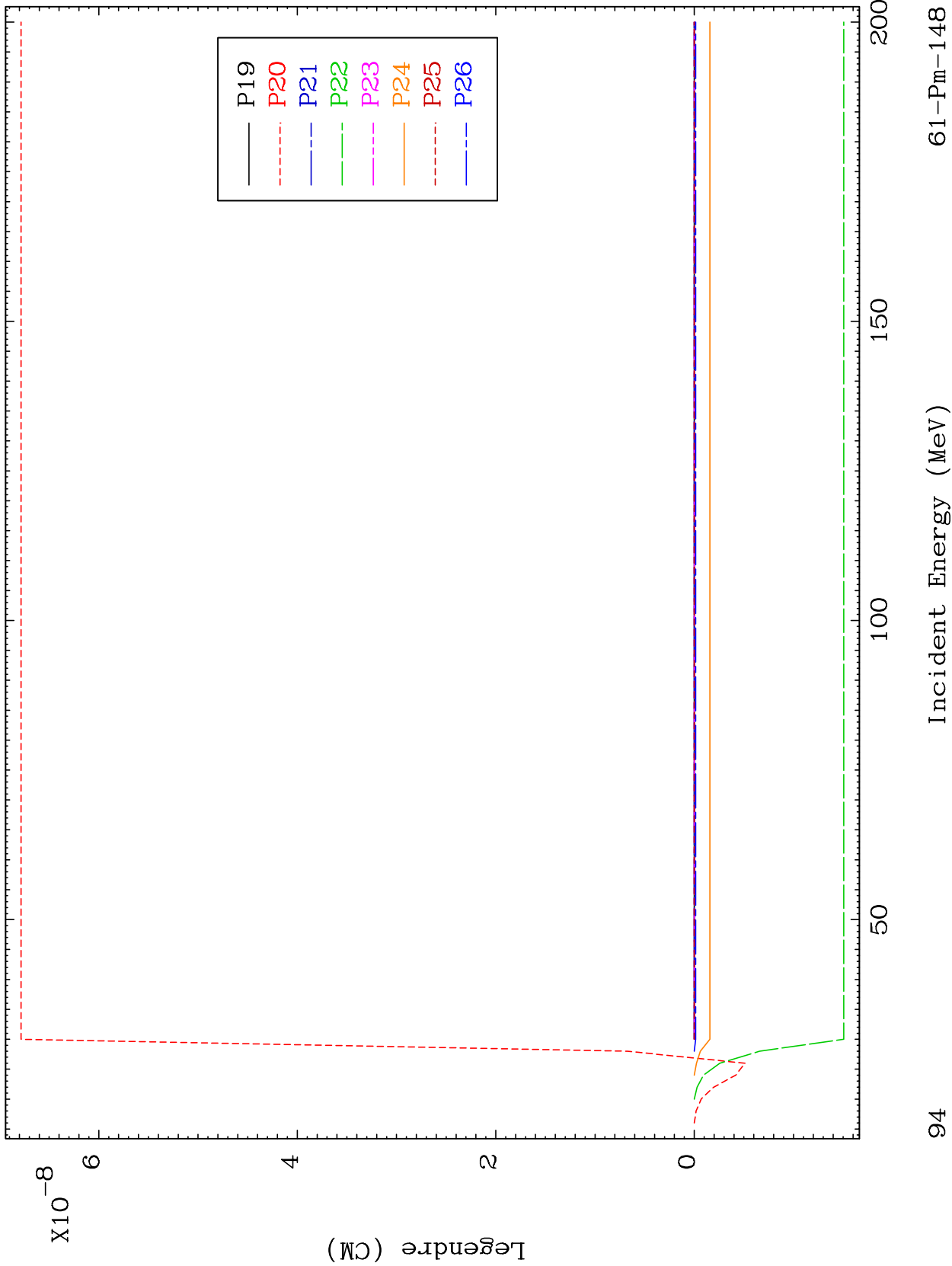
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

61-Pm-148



94

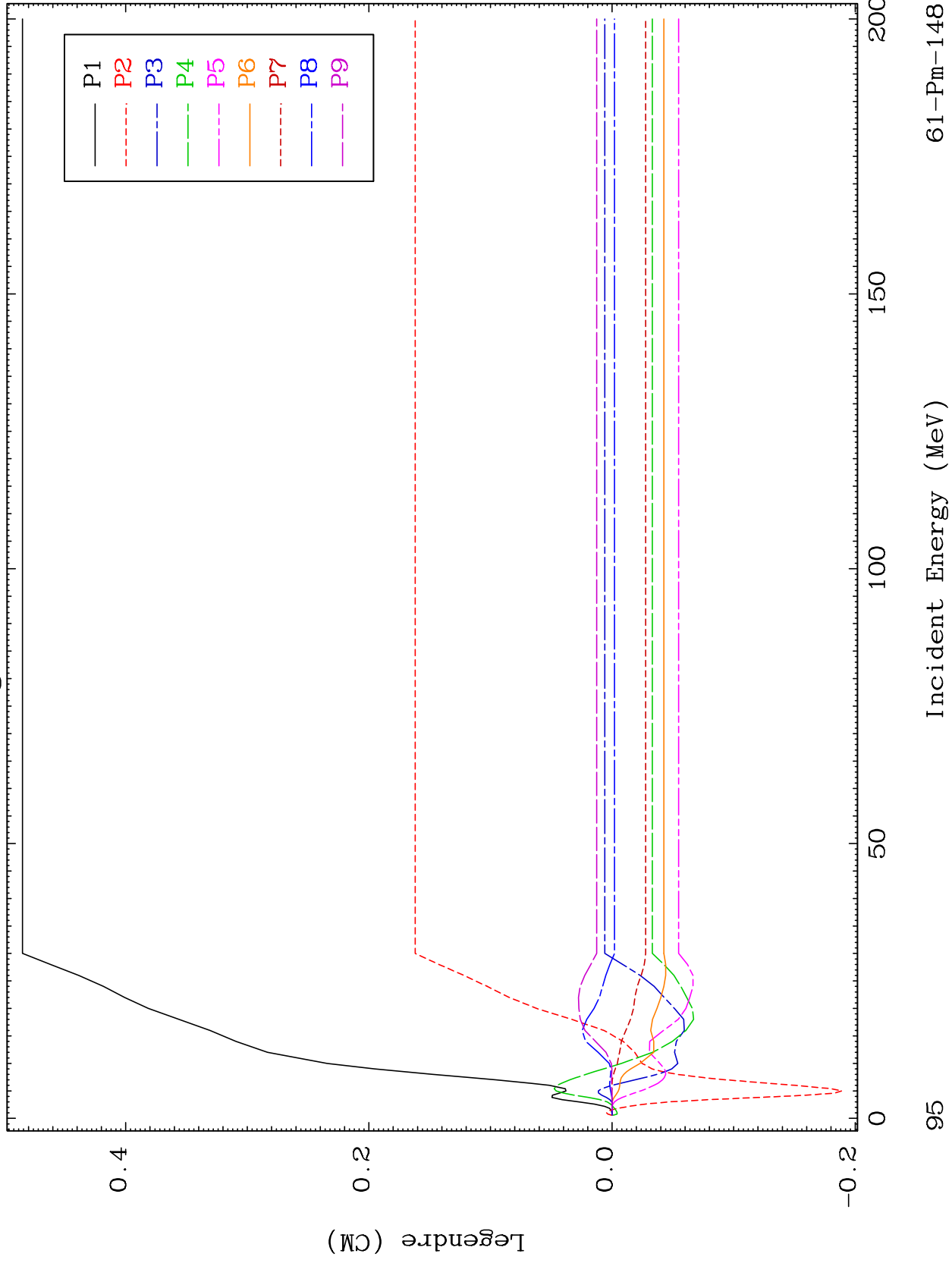
Incident Energy (MeV)

61-Pm-148

MAT 6152

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

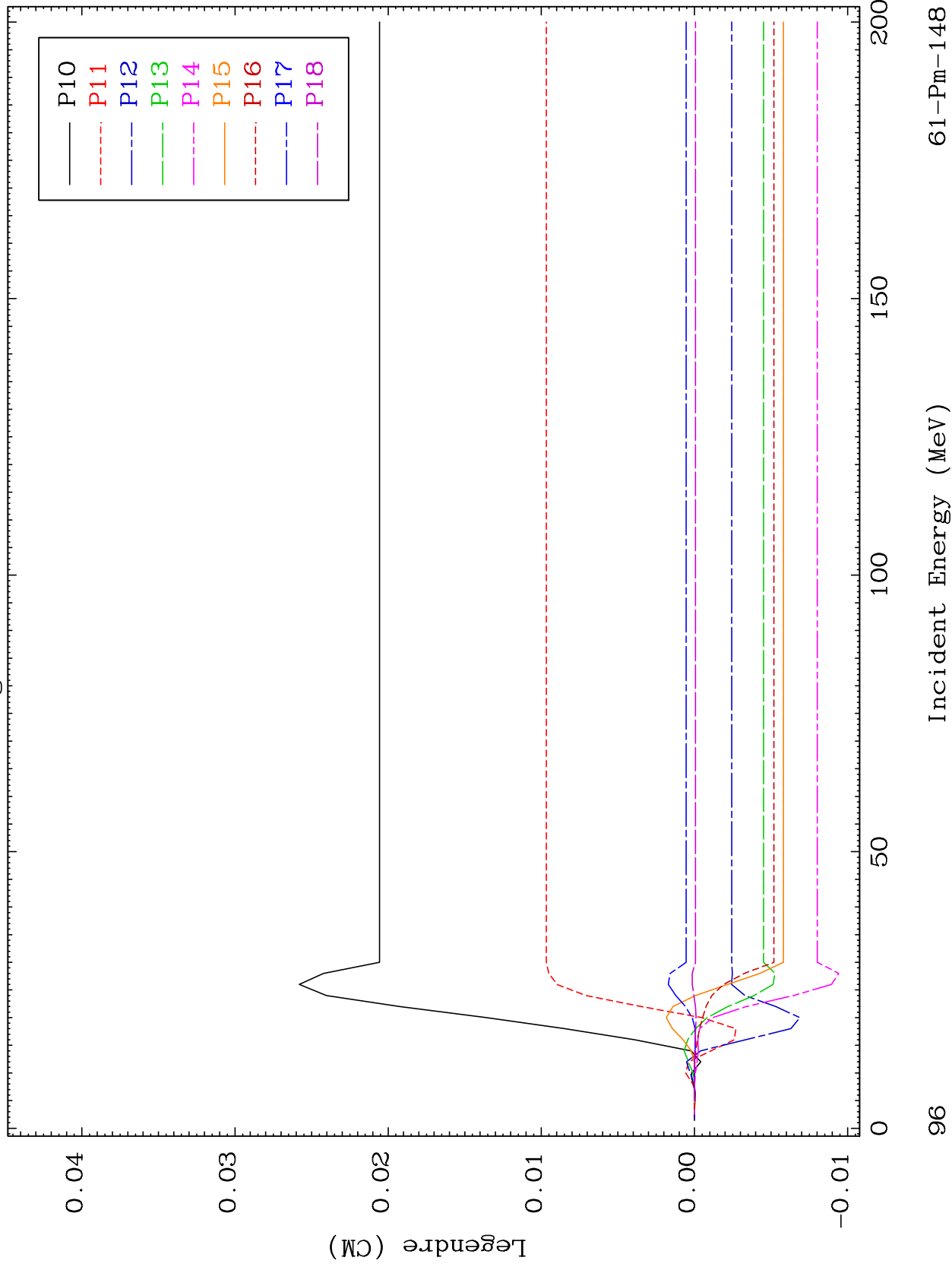
61-Pm-148



MAT 6152

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

61-Pm-148



61-Pm-148

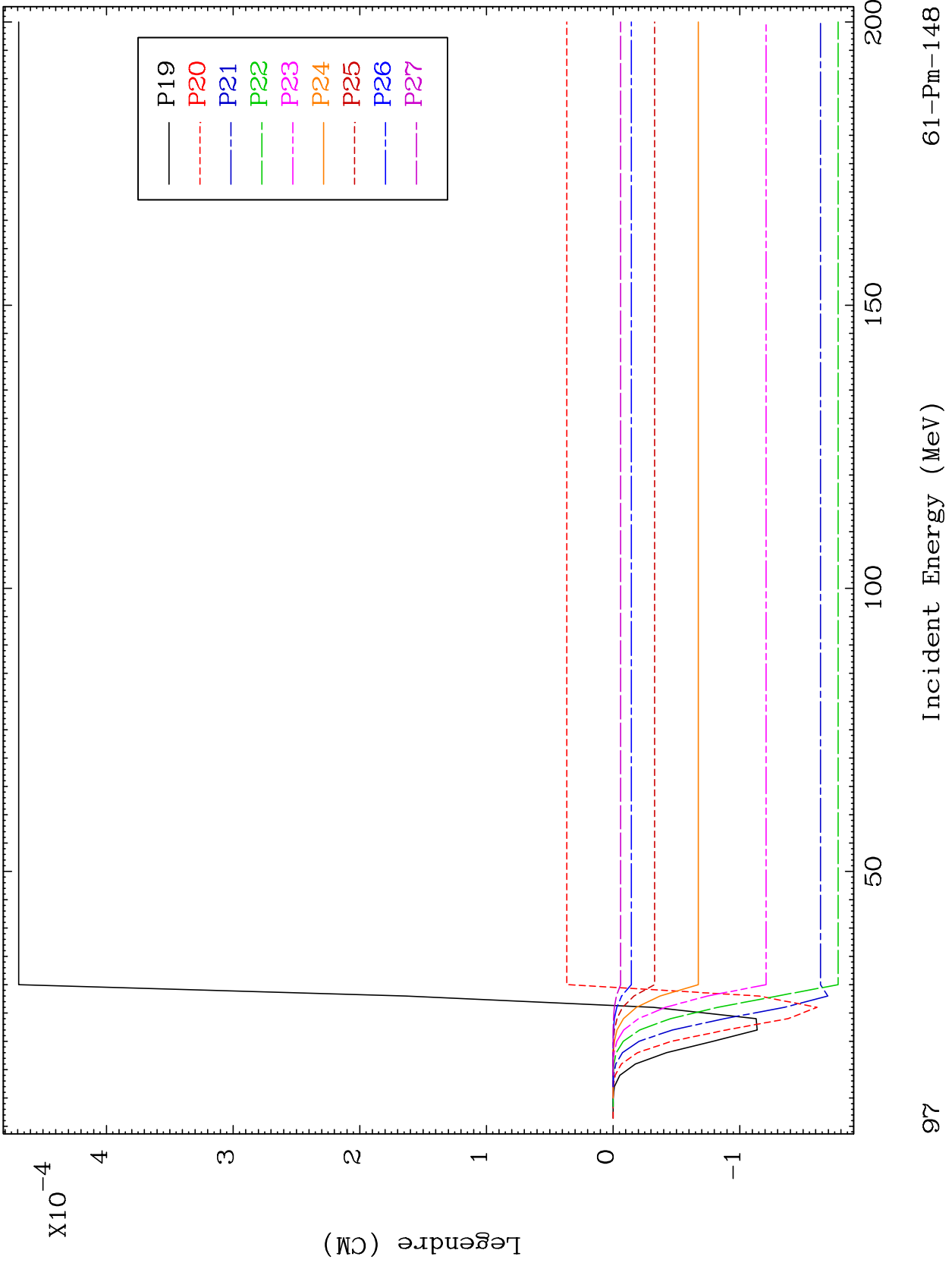
Incident Energy (MeV)

96

MAT 6152

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

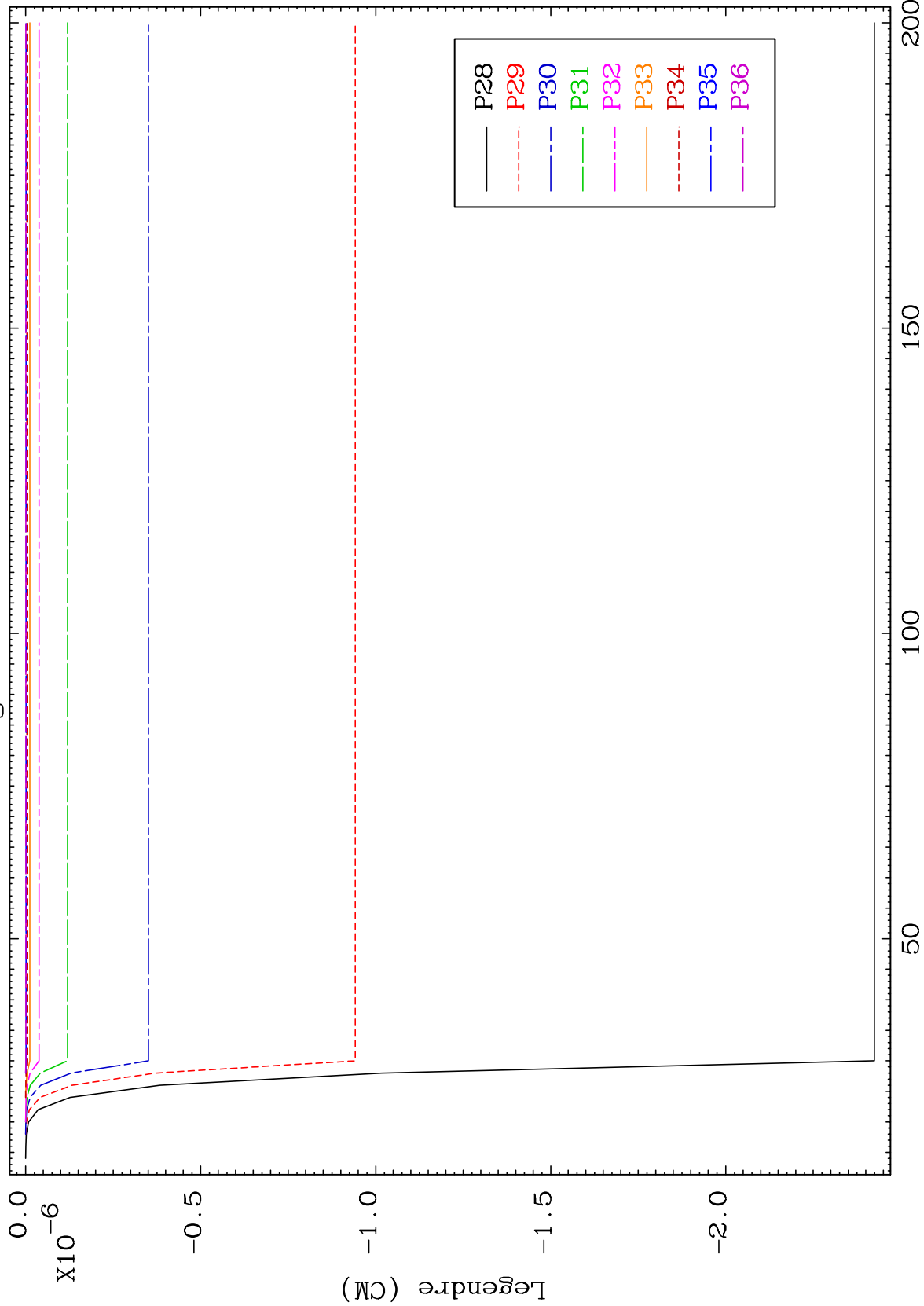
61-Pm-148



MAT 6152

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

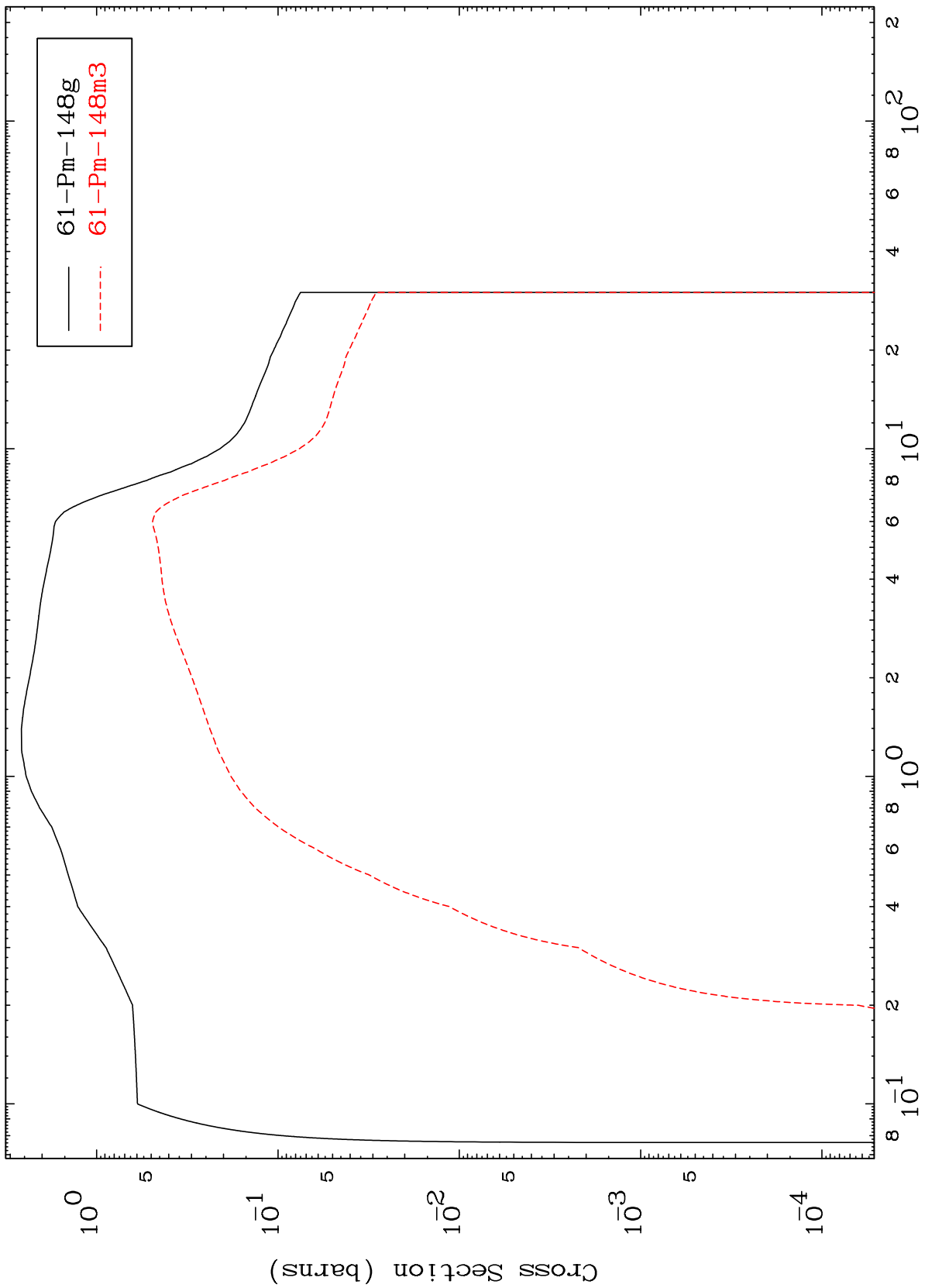
61-Pm-148



MAT 6152

61-Pm-148

Inelastic
Radionuclide Production Cross Section



99

Incident Energy (MeV)

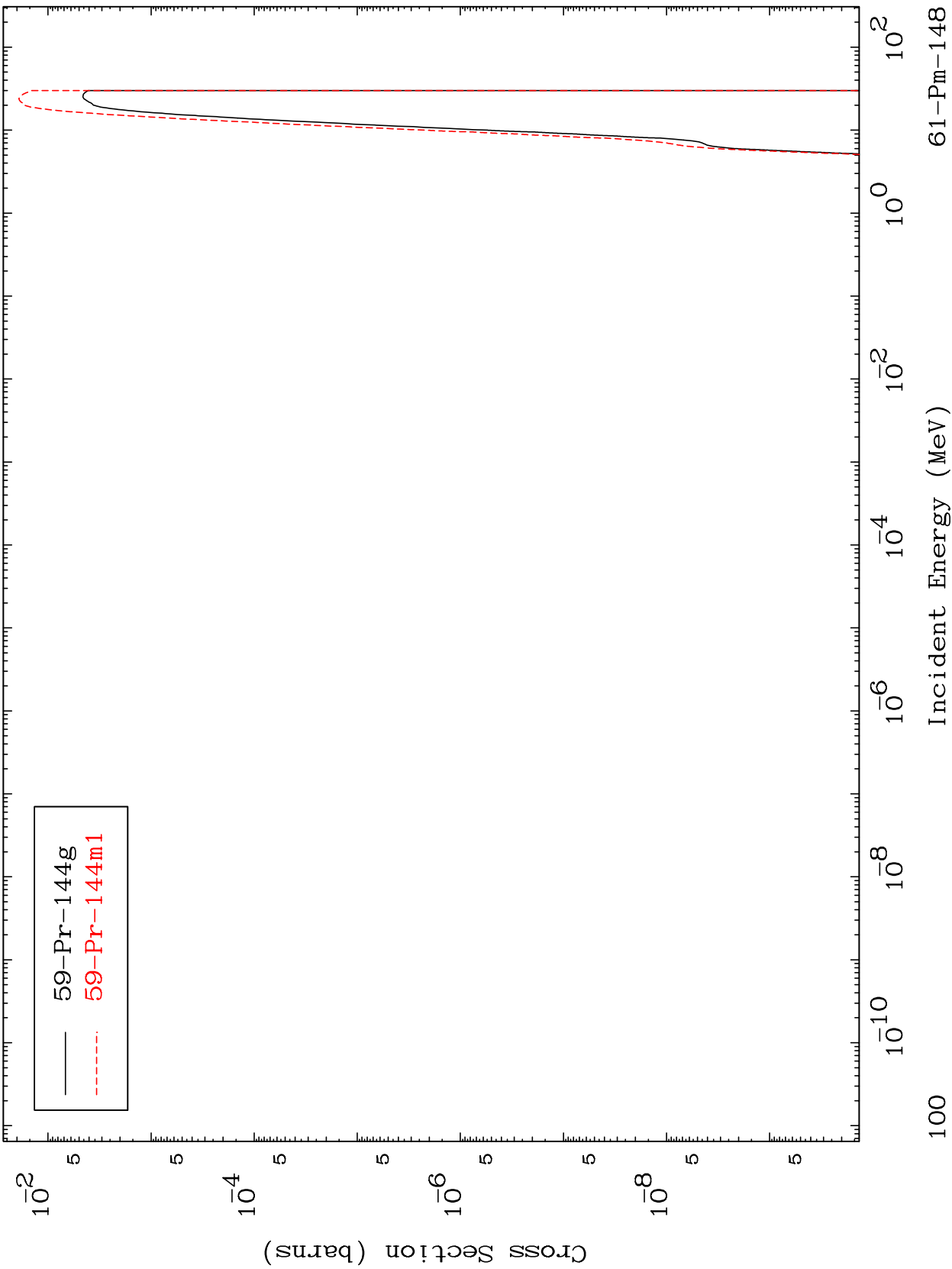
61-Pm-148

MAT 6152

$(n, n') \alpha$

61-Pm-148

Radionuclide Production Cross Section



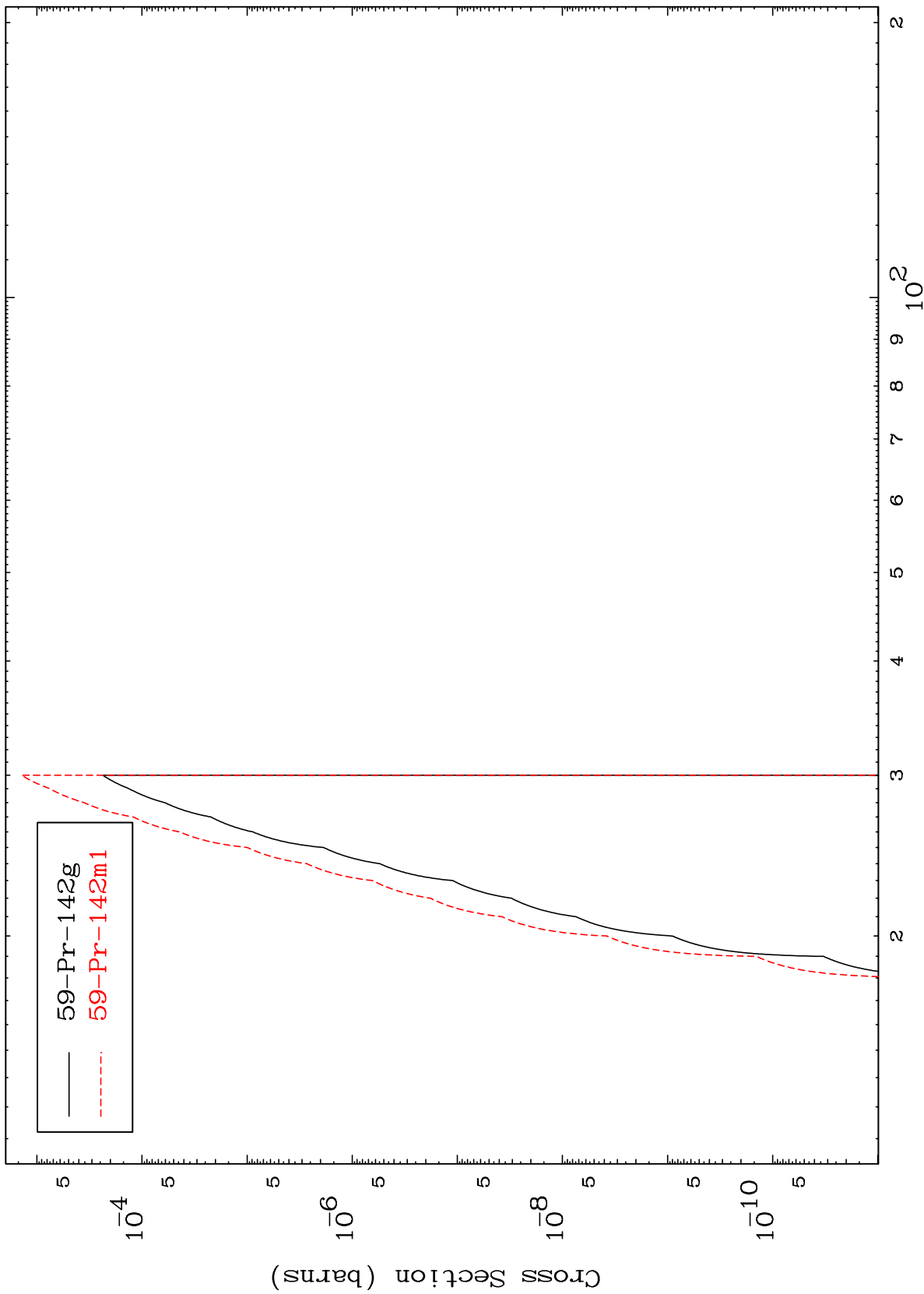
59-Pr-144g
59-Pr-144m1

MAT 6152

(n,3n) α

61-Pm-148

Radionuclide Production Cross Section



101

Incident Energy (MeV)

61-Pm-148