

Program EVALPLOT
(Version 2017-1)

by

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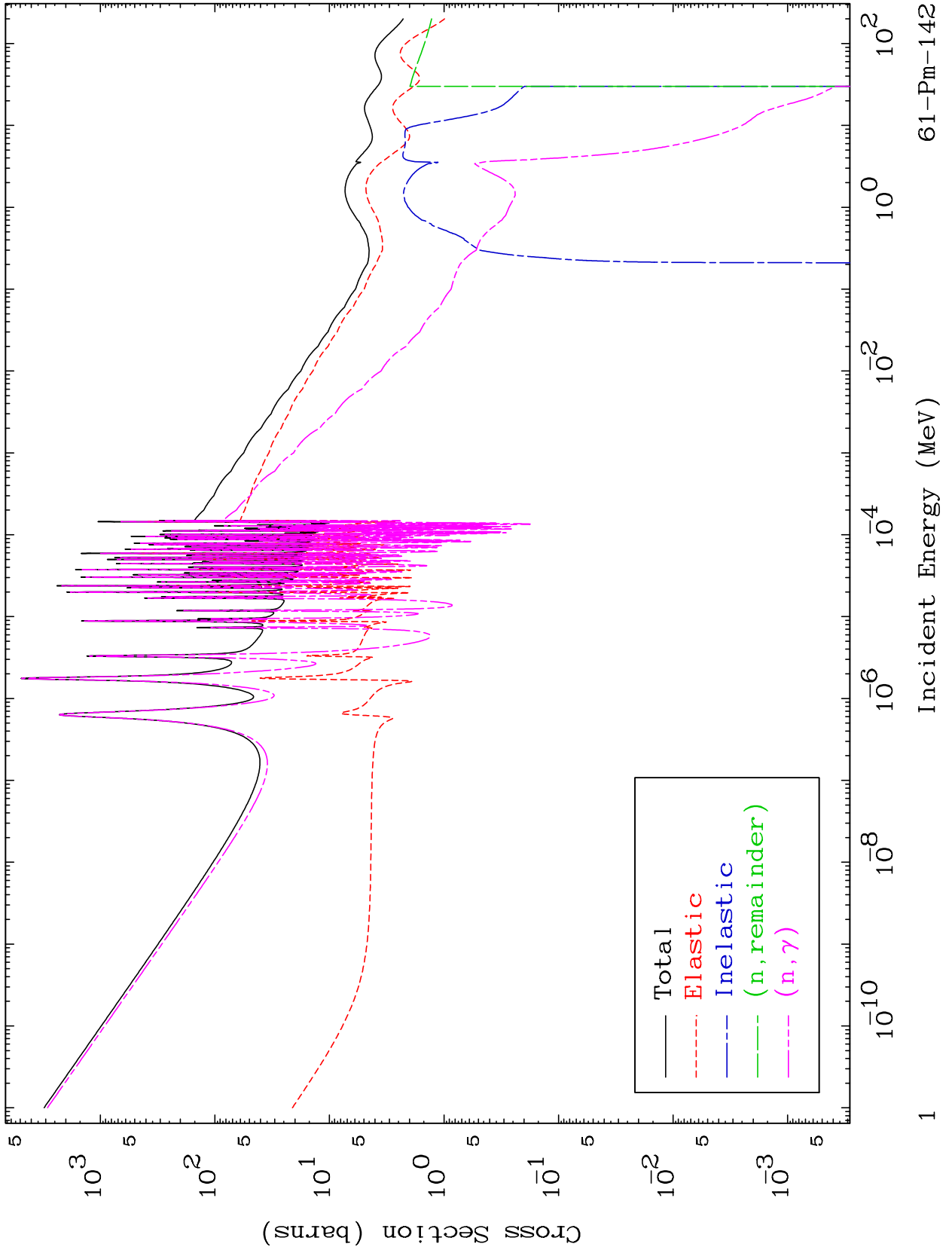
Press Mouse Button to Start

MAT 6134

Major

293 Kelvin Cross Sections

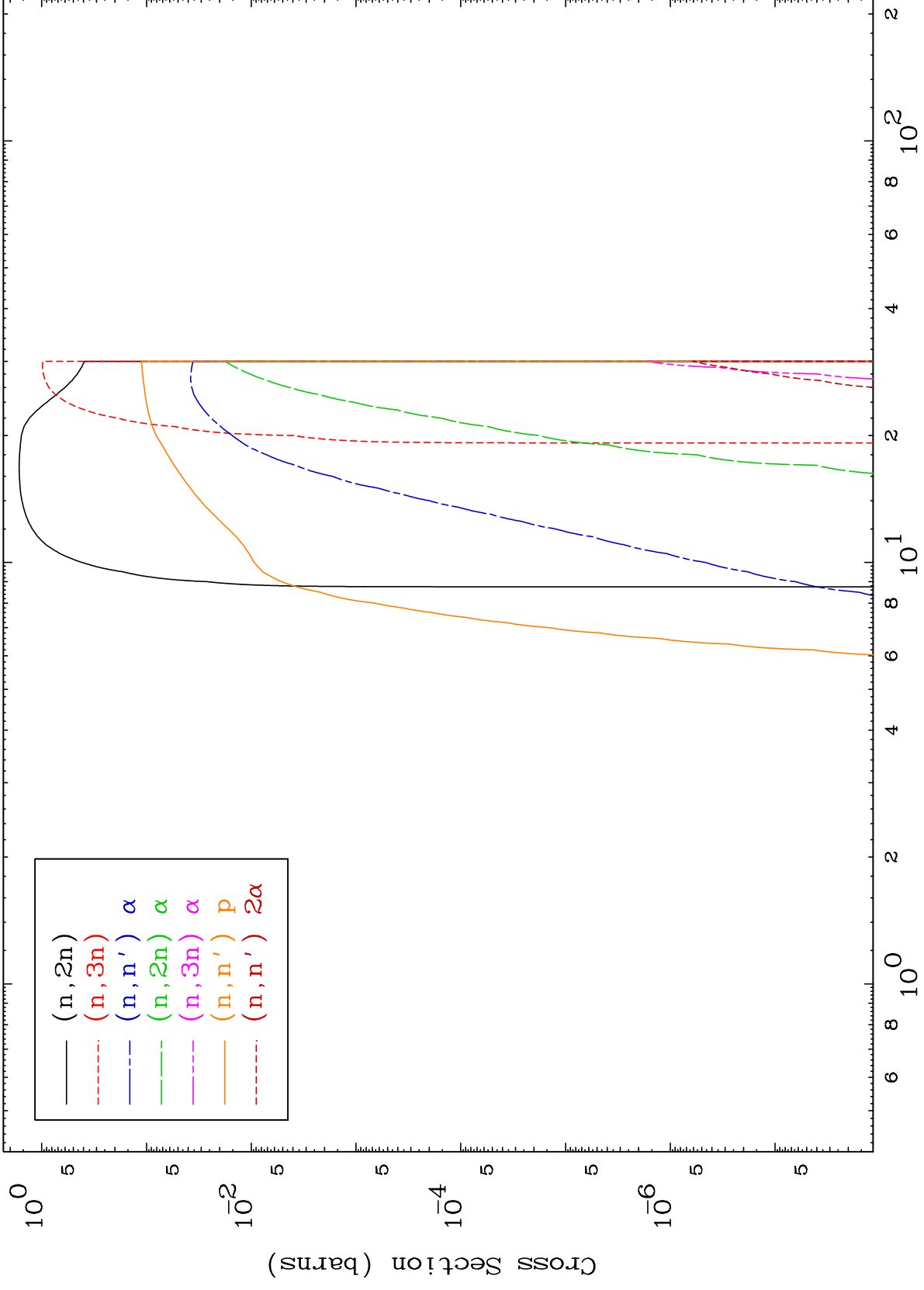
61-Pm-142



MAT 6134

Neutron Production
293 Kelvin Cross Sections

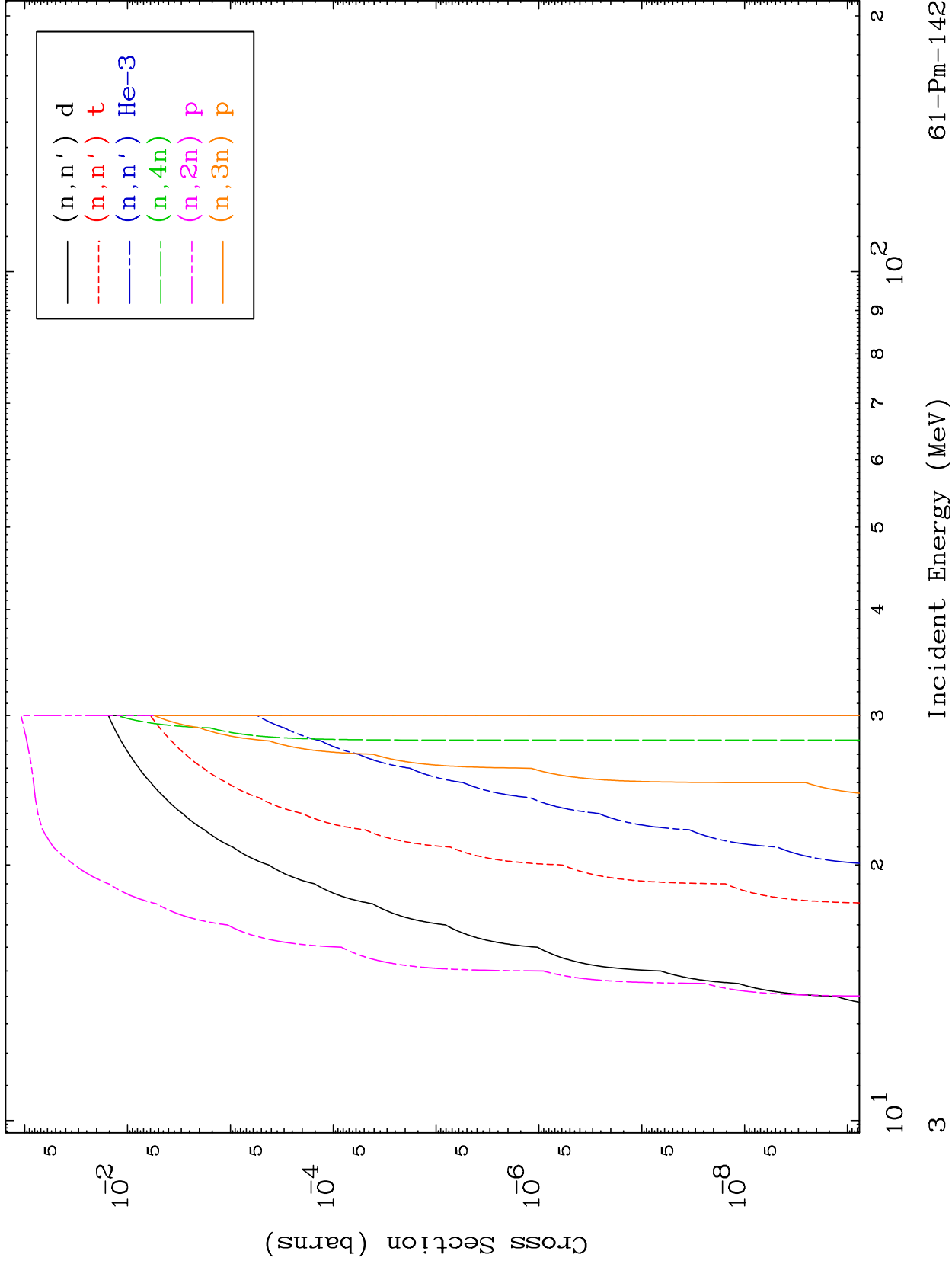
61-Pm-142



MAT 6134

Neutron Production
293 Kelvin Cross Sections

61-Pm-142



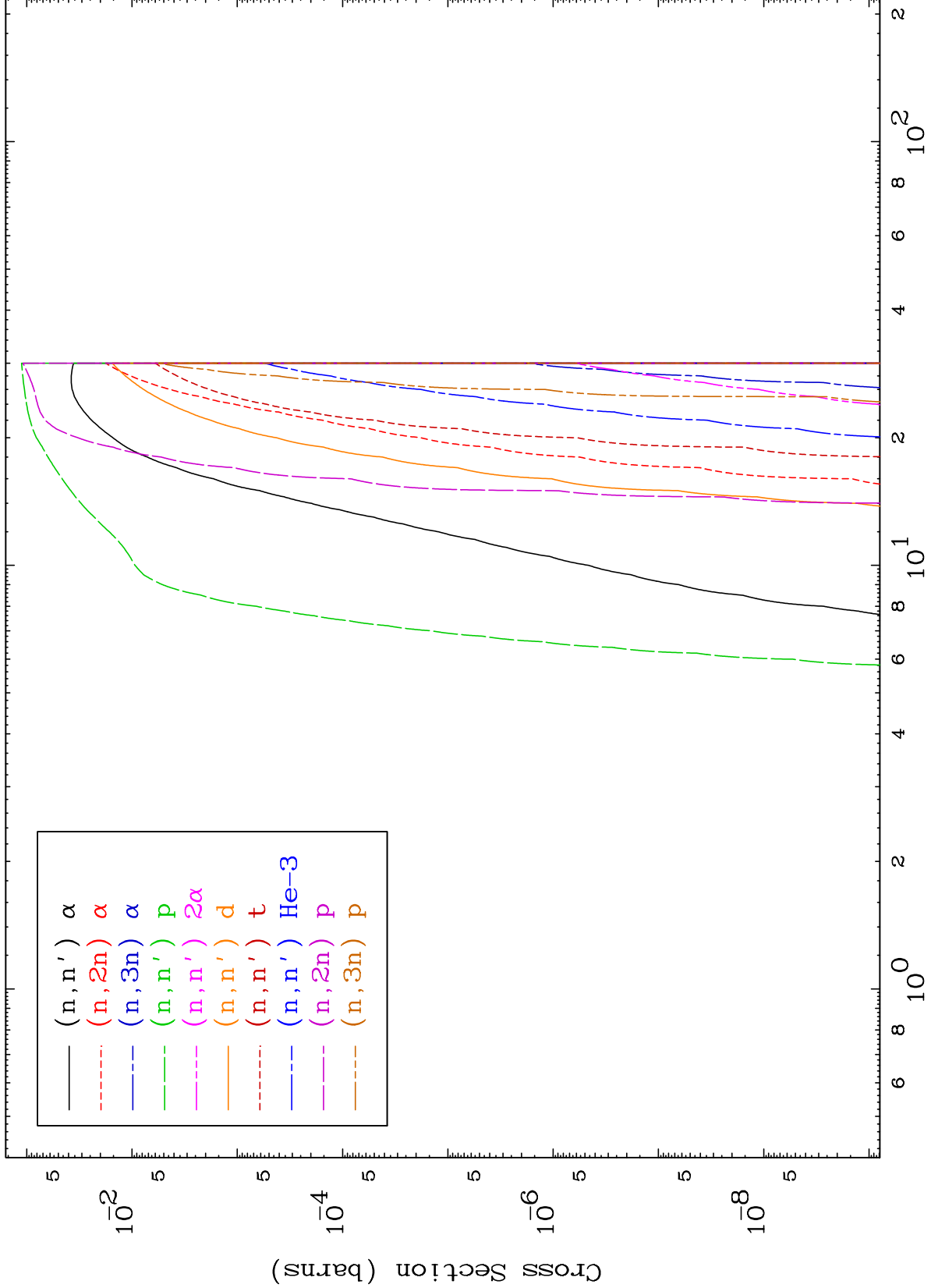
61-Pm-142

Incident Energy (MeV)

MAT 6134

Charged Particle
293 Kelvin Cross Sections

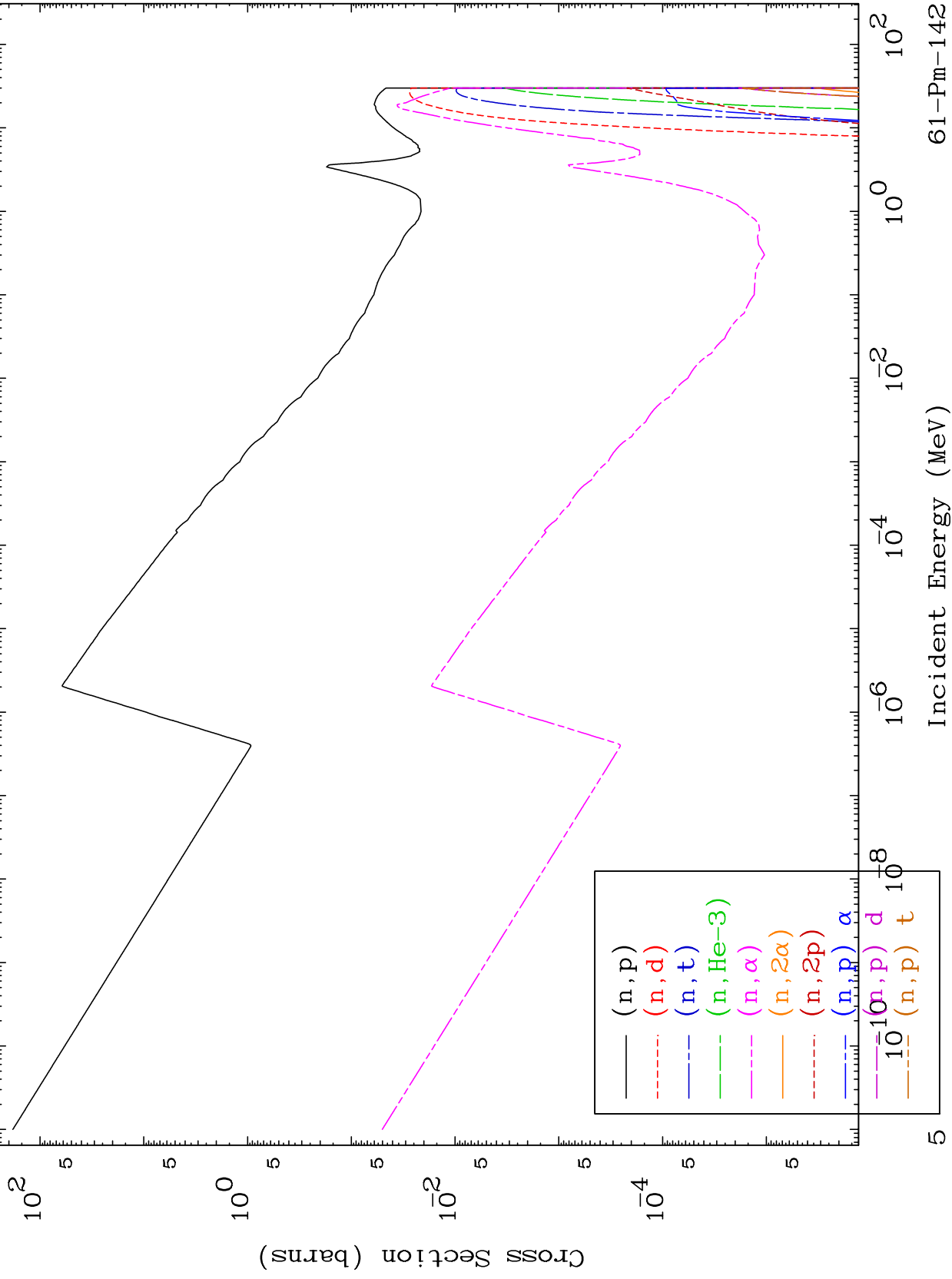
61-Pm-142



MAT 6134

Charged Particle
293 Kelvin Cross Sections

61-Pm-142

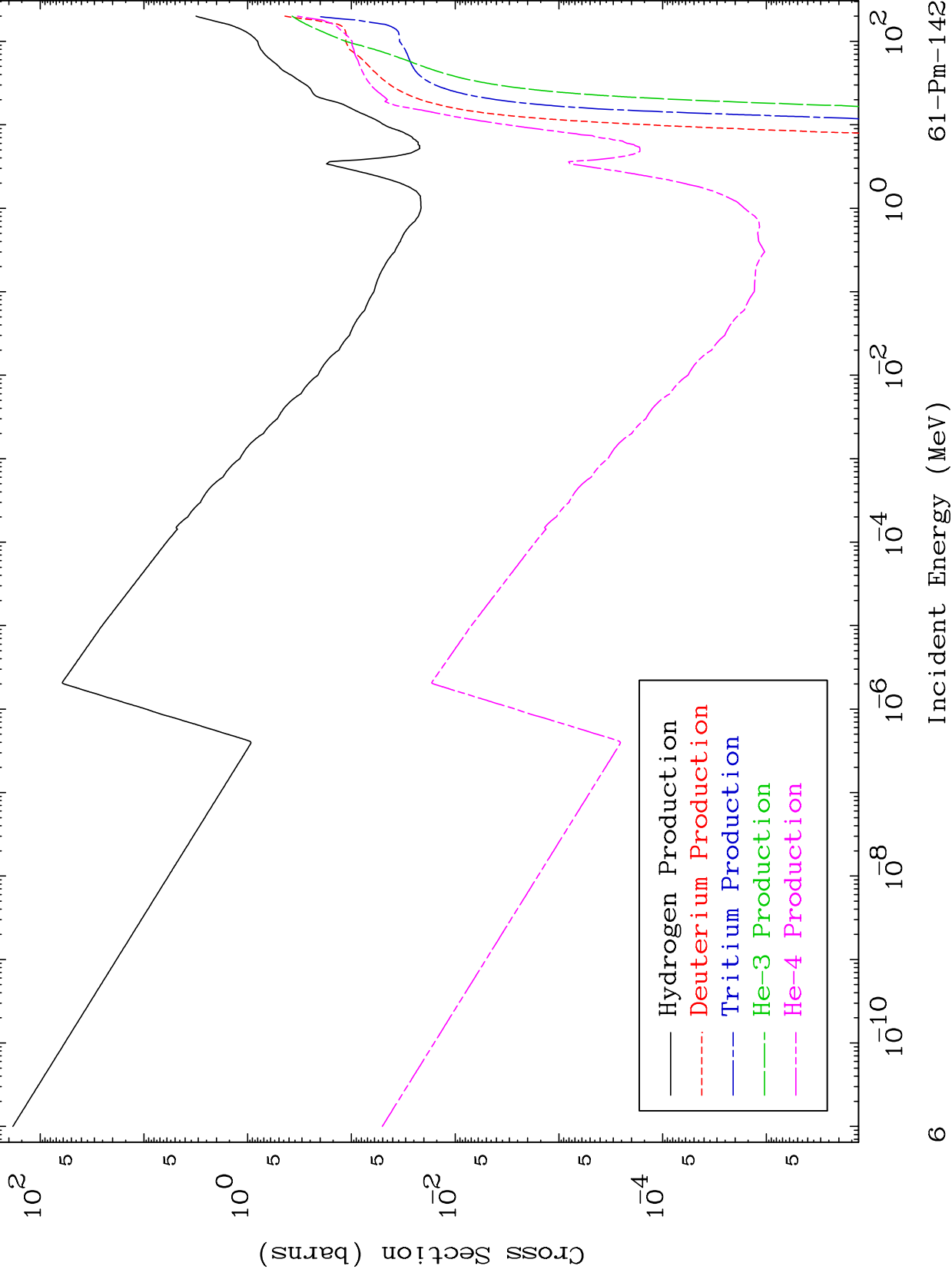


61-Pm-142

MAT 6134

Particle Production
293 Kelvin Cross Sections

61-Pm-142

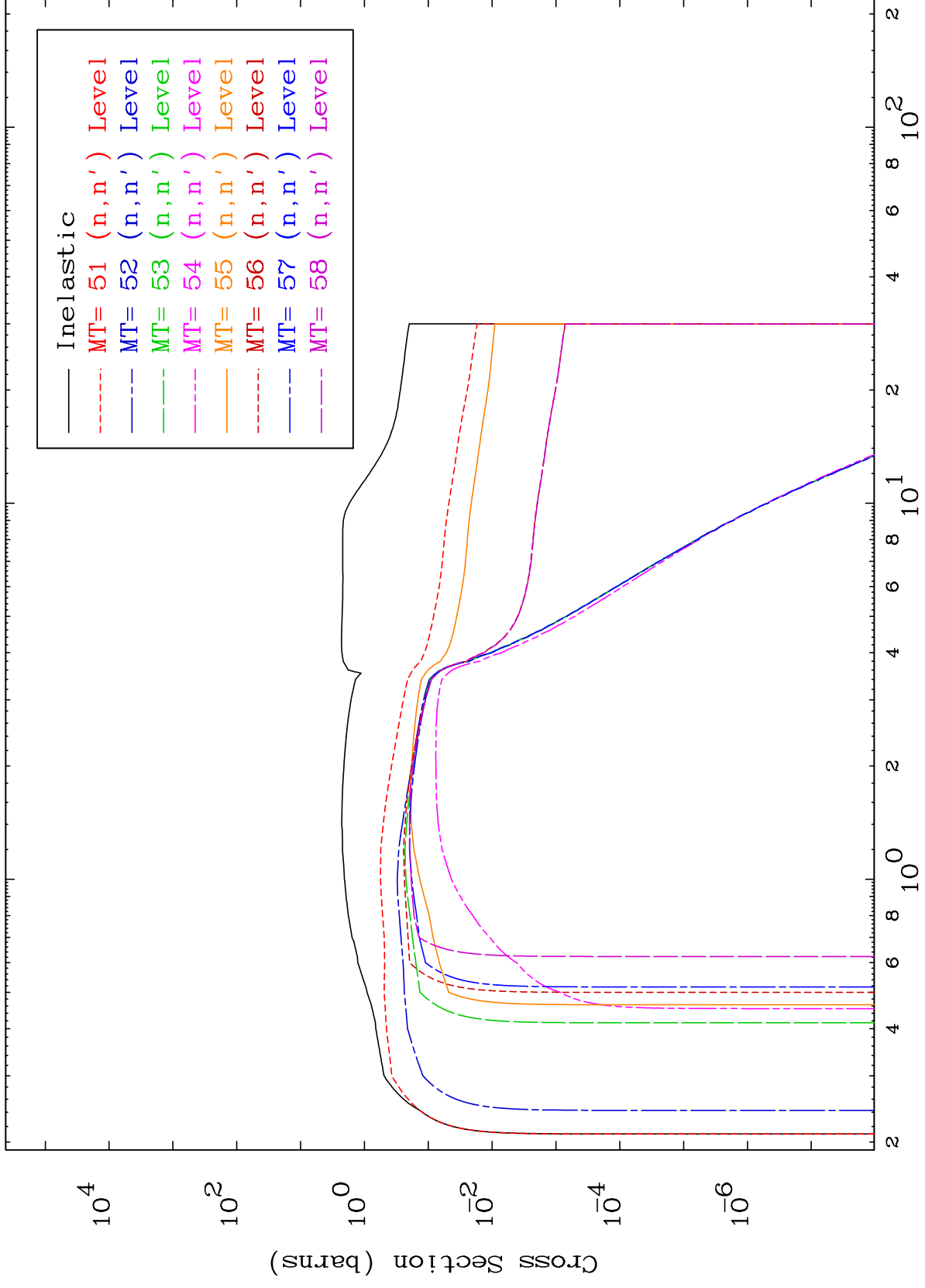


MAT 6134

(n,n') Level

61-Pm-142

293 Kelvin Cross Sections

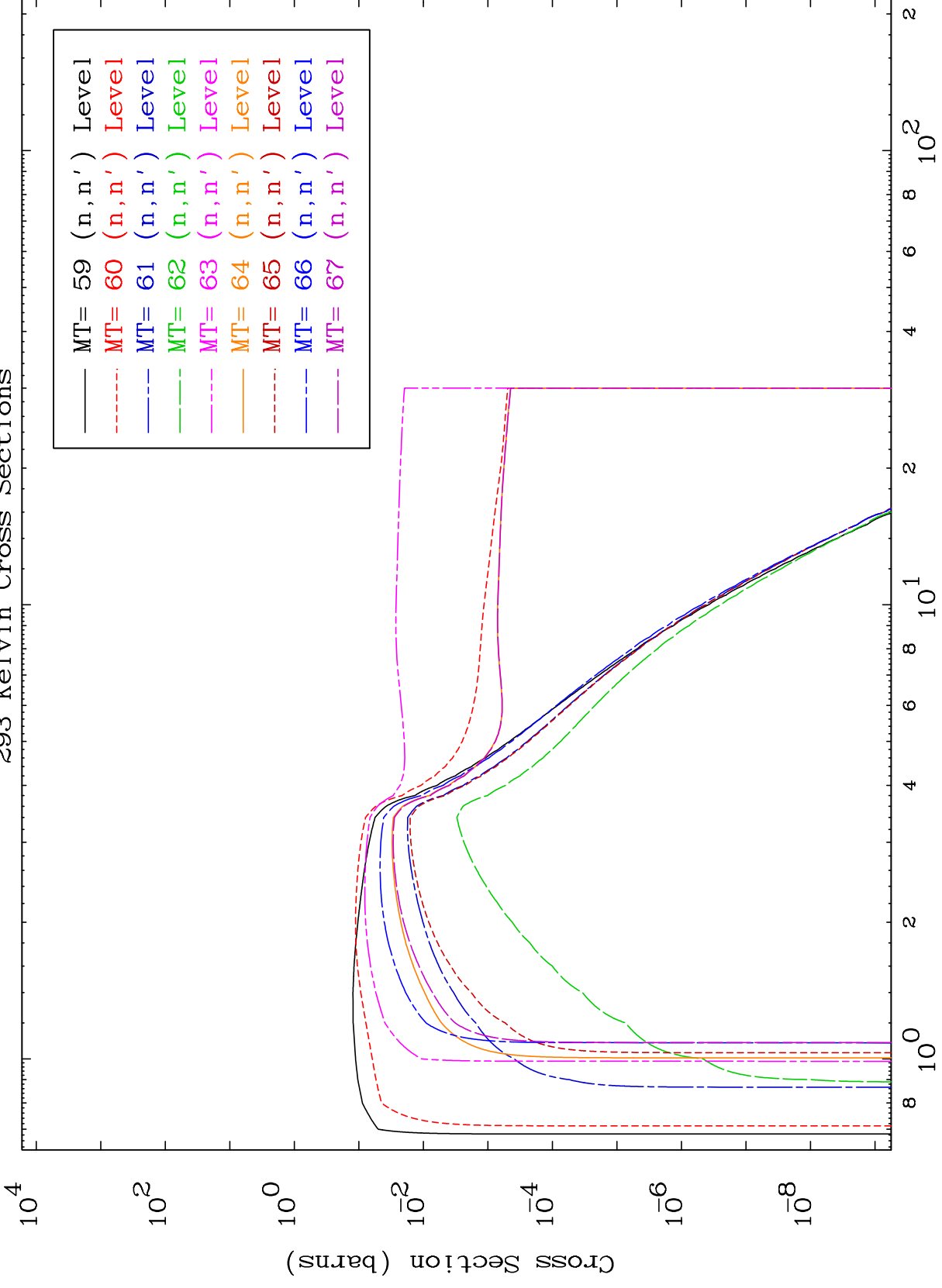


MAT 6134

(n,n') Level

61-Pm-142

293 Kelvin Cross Sections

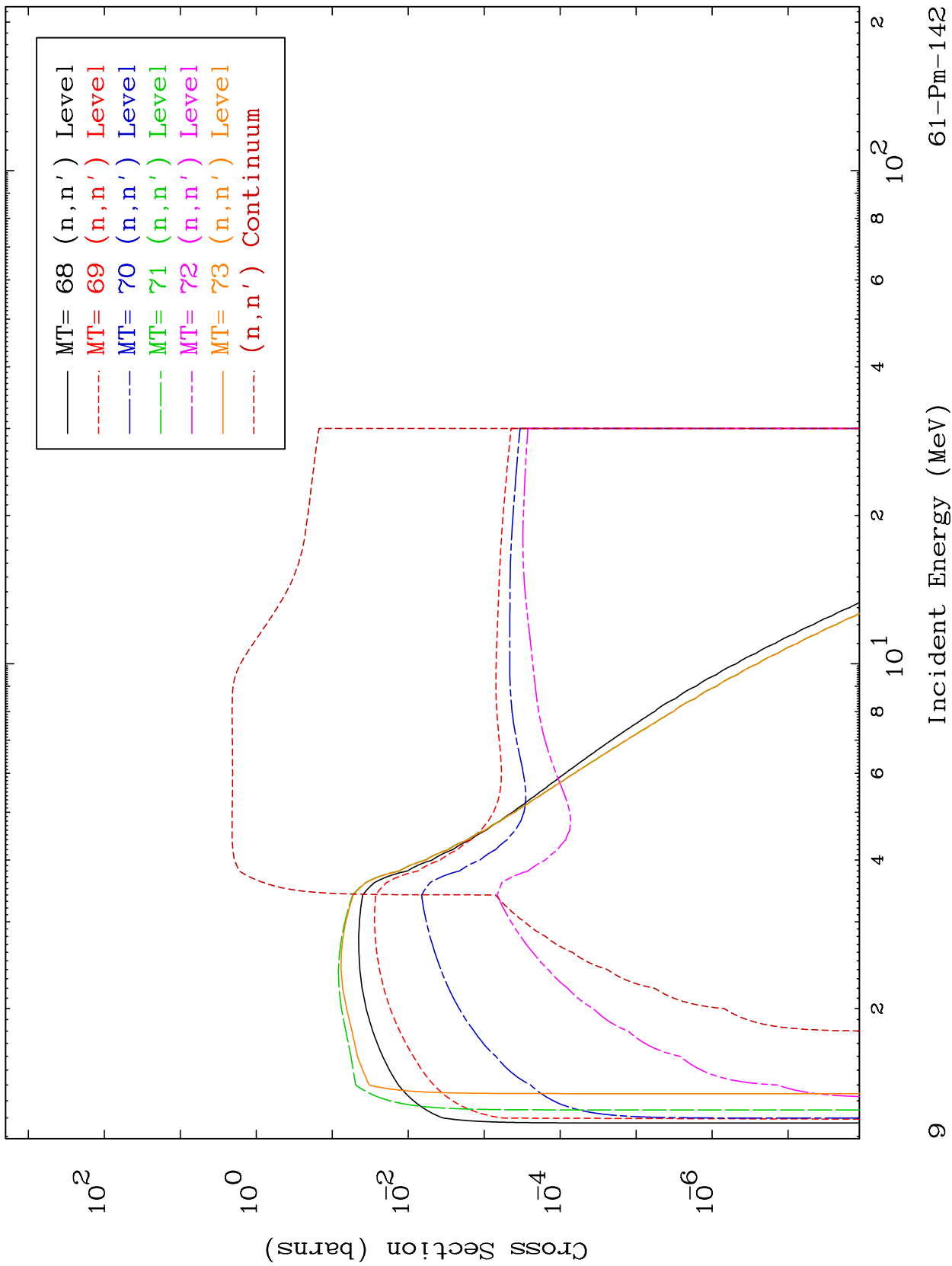


8

Incident Energy (MeV)

61-Pm-142

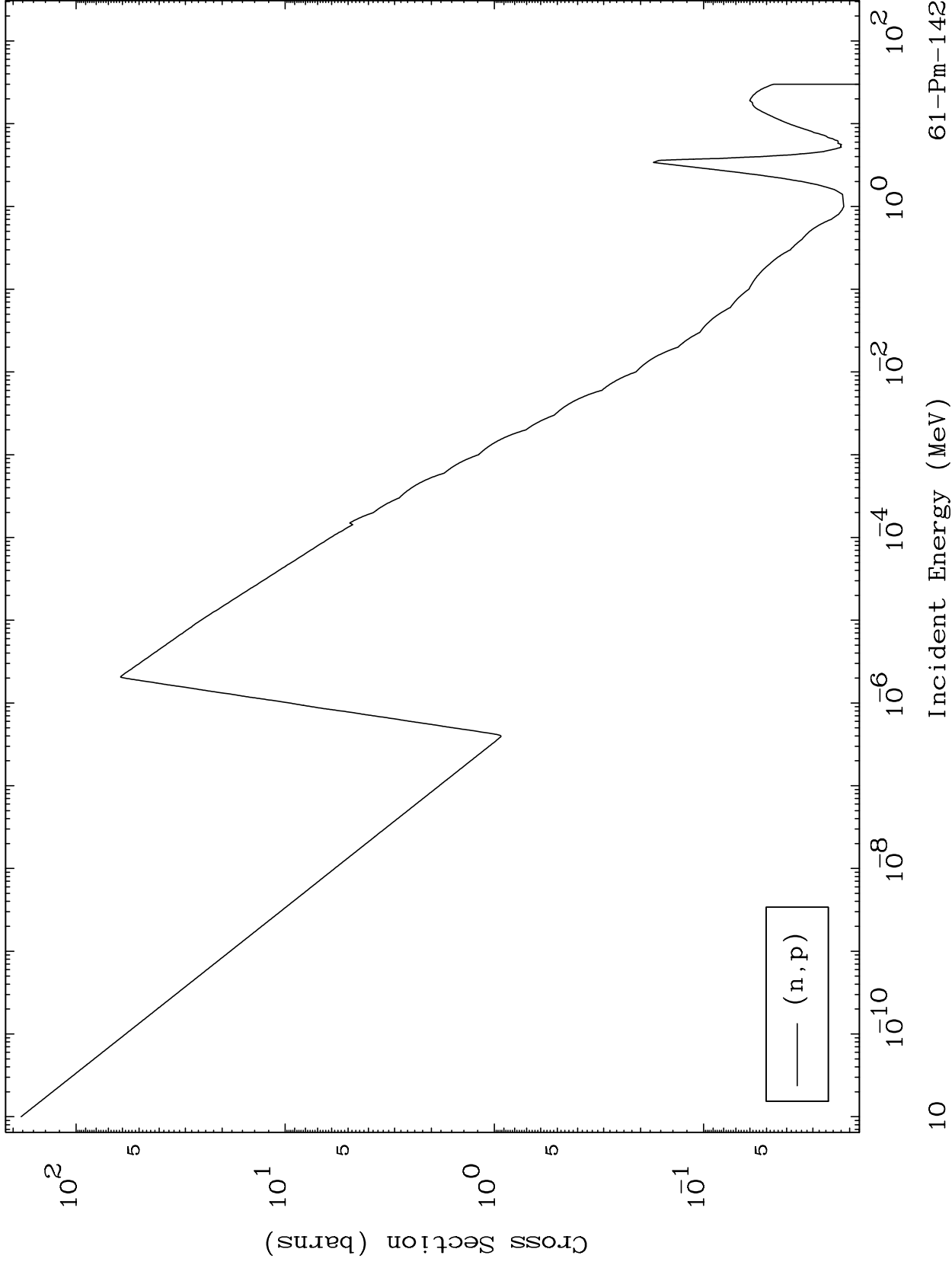
293 Kelvin Cross Sections



MAT 6134

(n,p) Levels
293 Kelvin Cross Sections

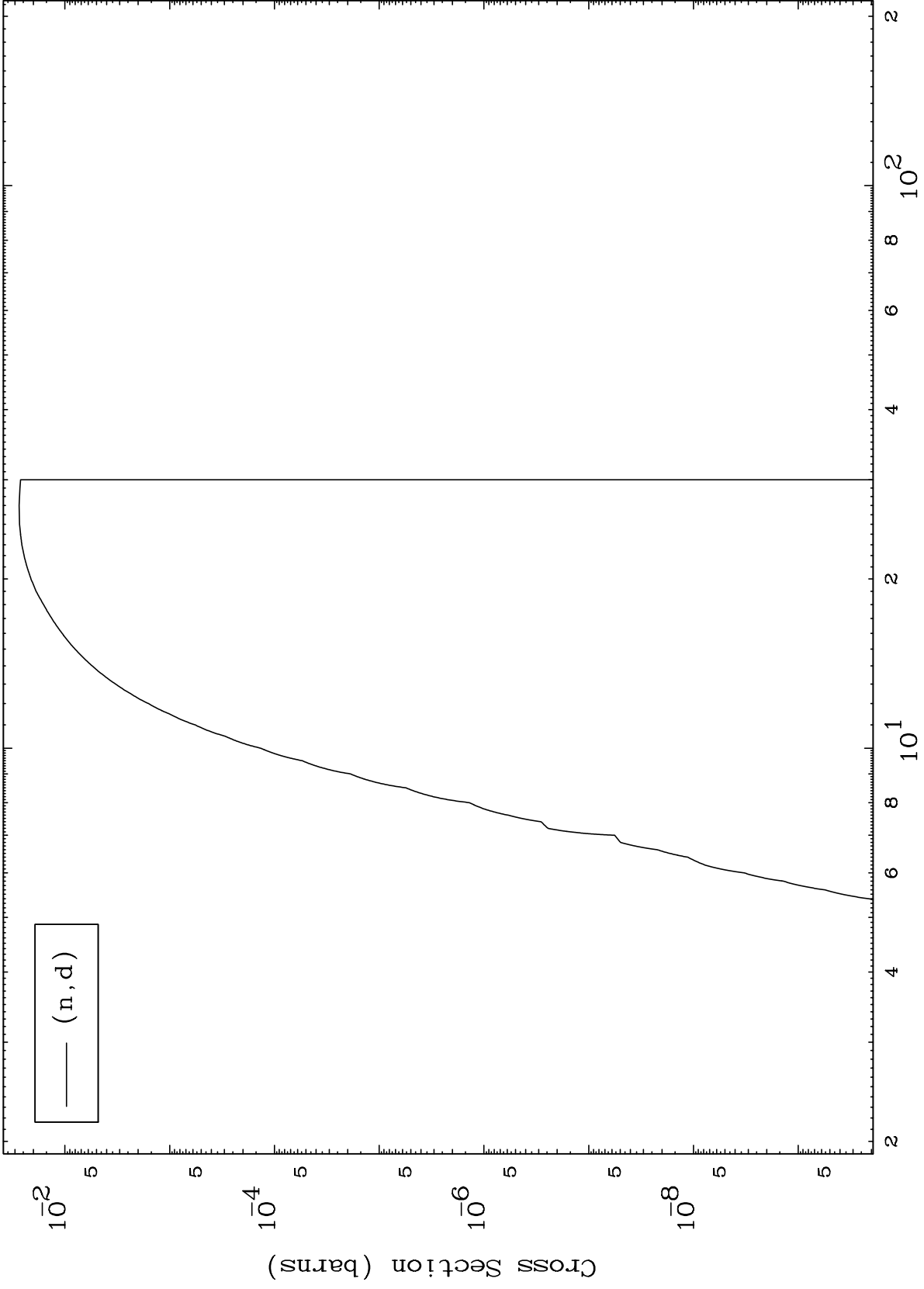
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MAT 6134

(n,d) Levels
293 Kelvin Cross Sections

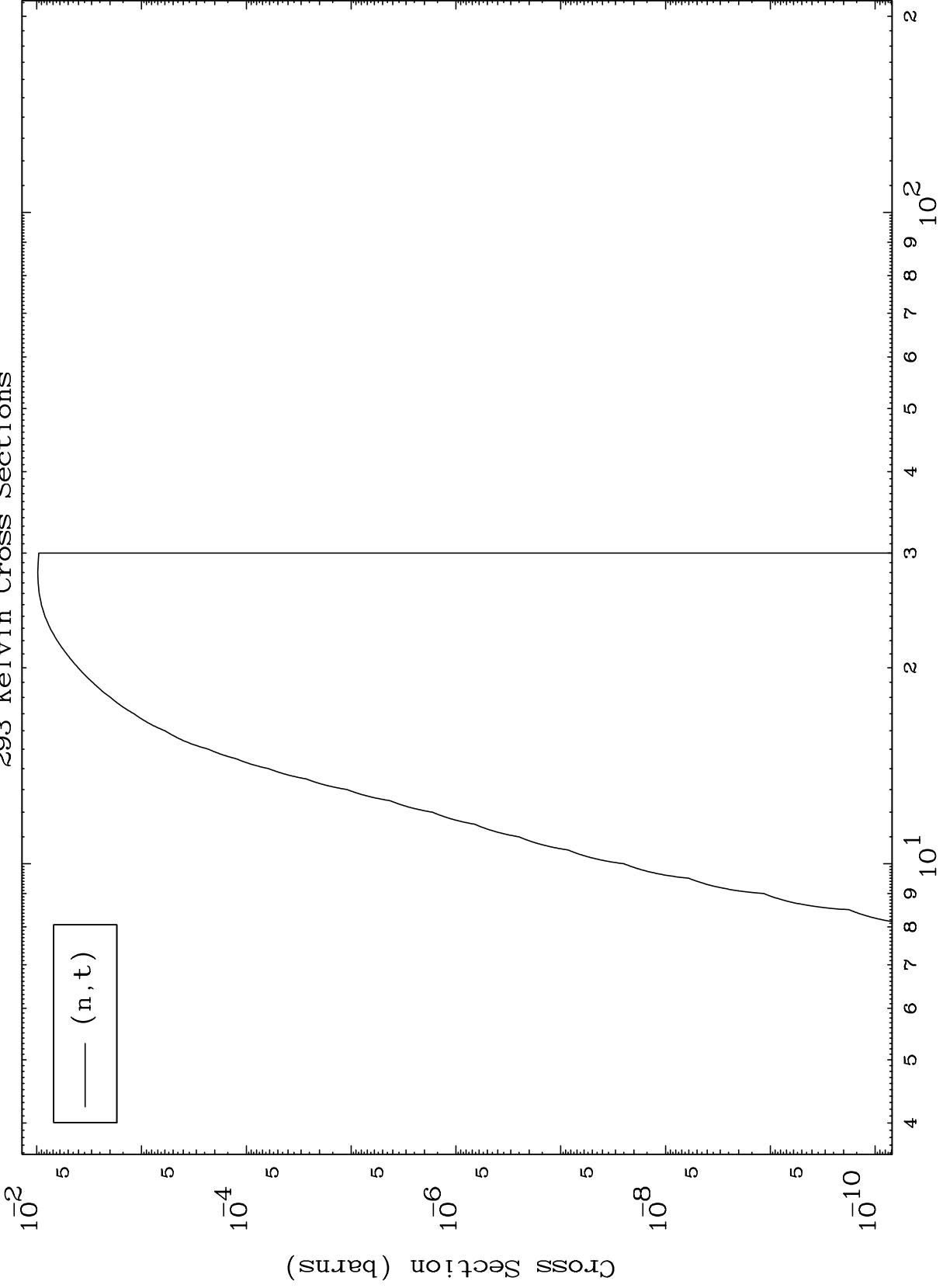
61-Pm-142



MAT 6134

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-142



12

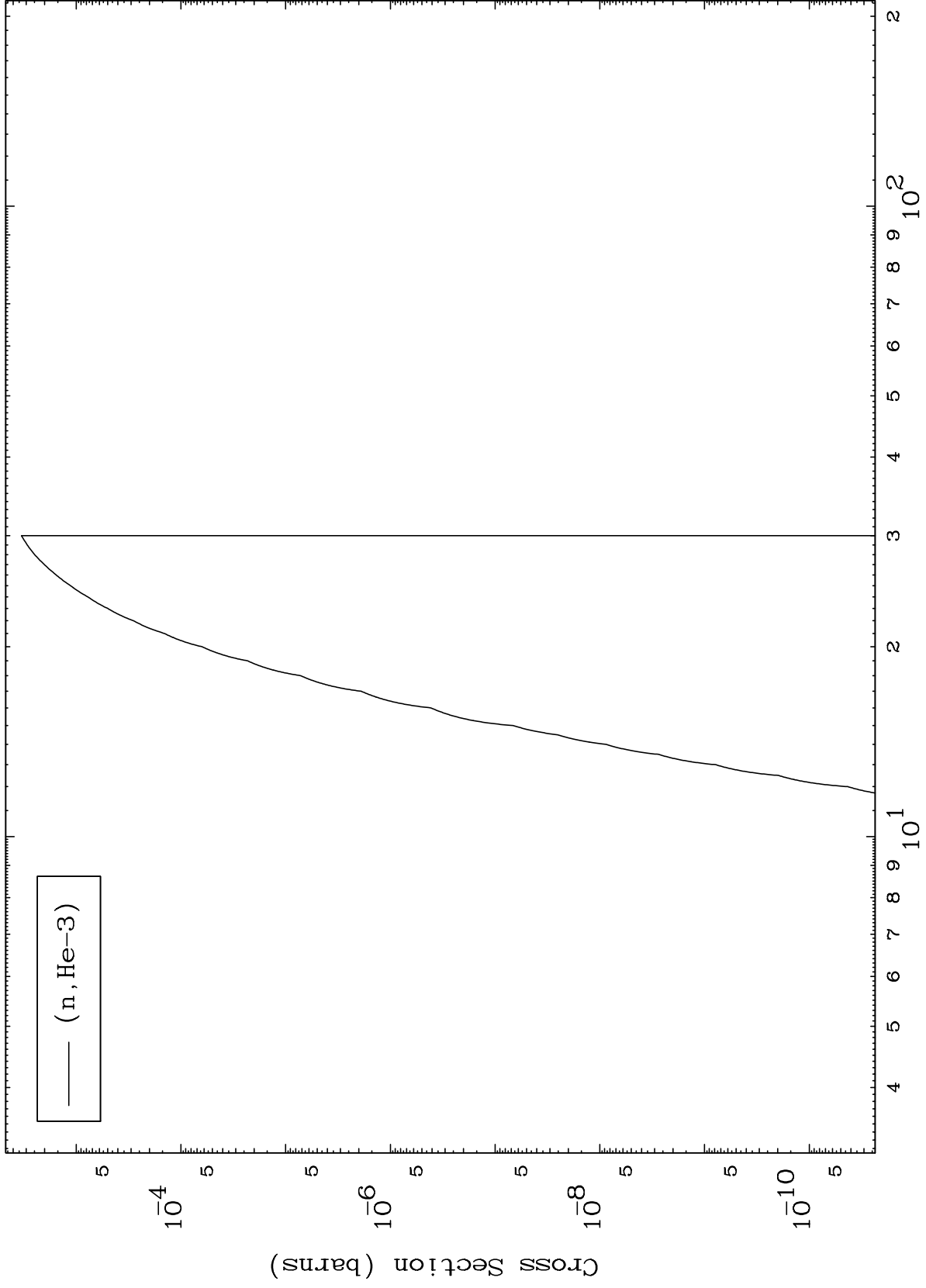
Incident Energy (MeV)

61-Pm-142

MAT 6134

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-142



13

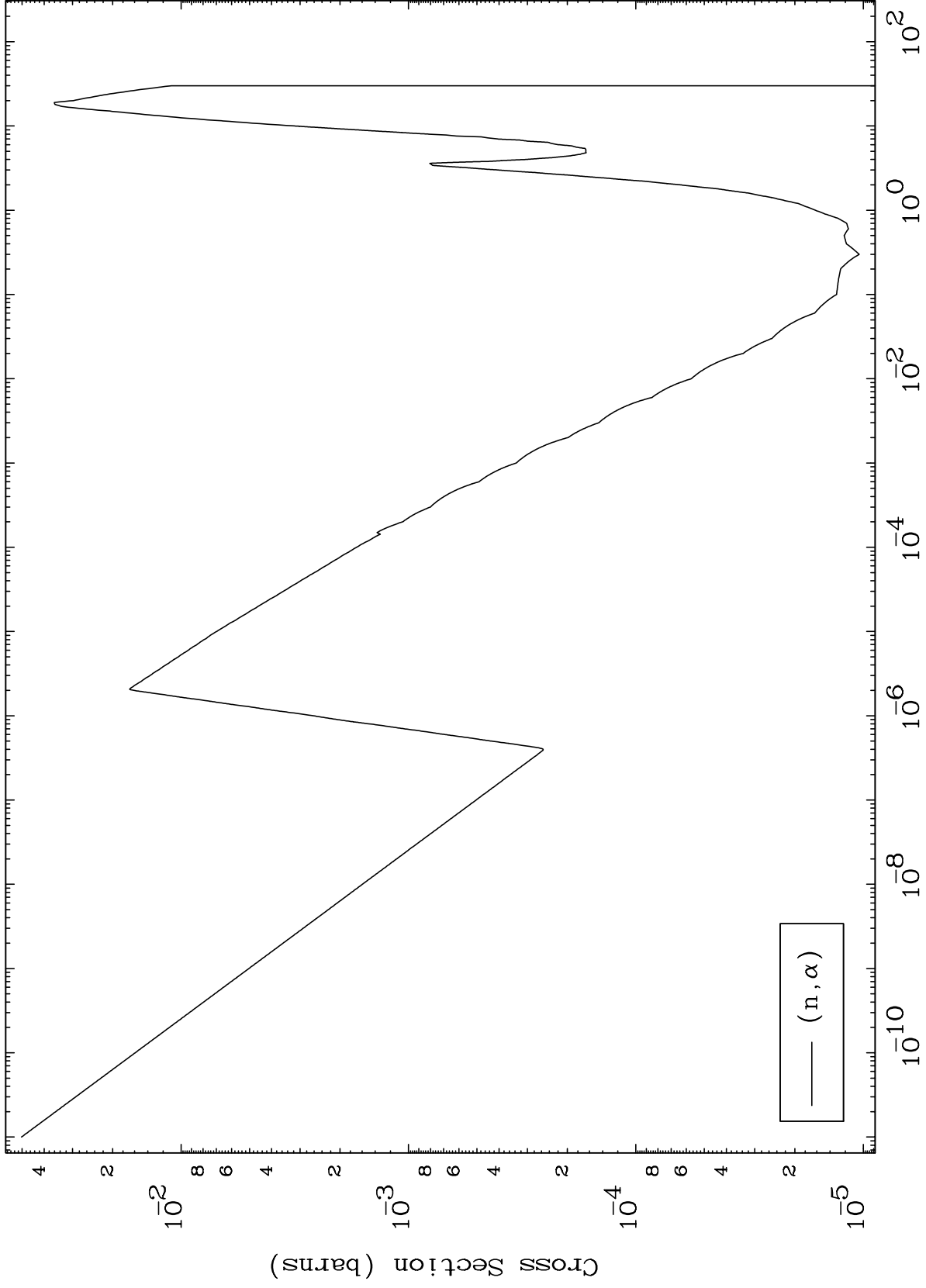
Incident Energy (MeV)

61-Pm-142

MAT 6134

(n, α) Levels
293 Kelvin Cross Sections

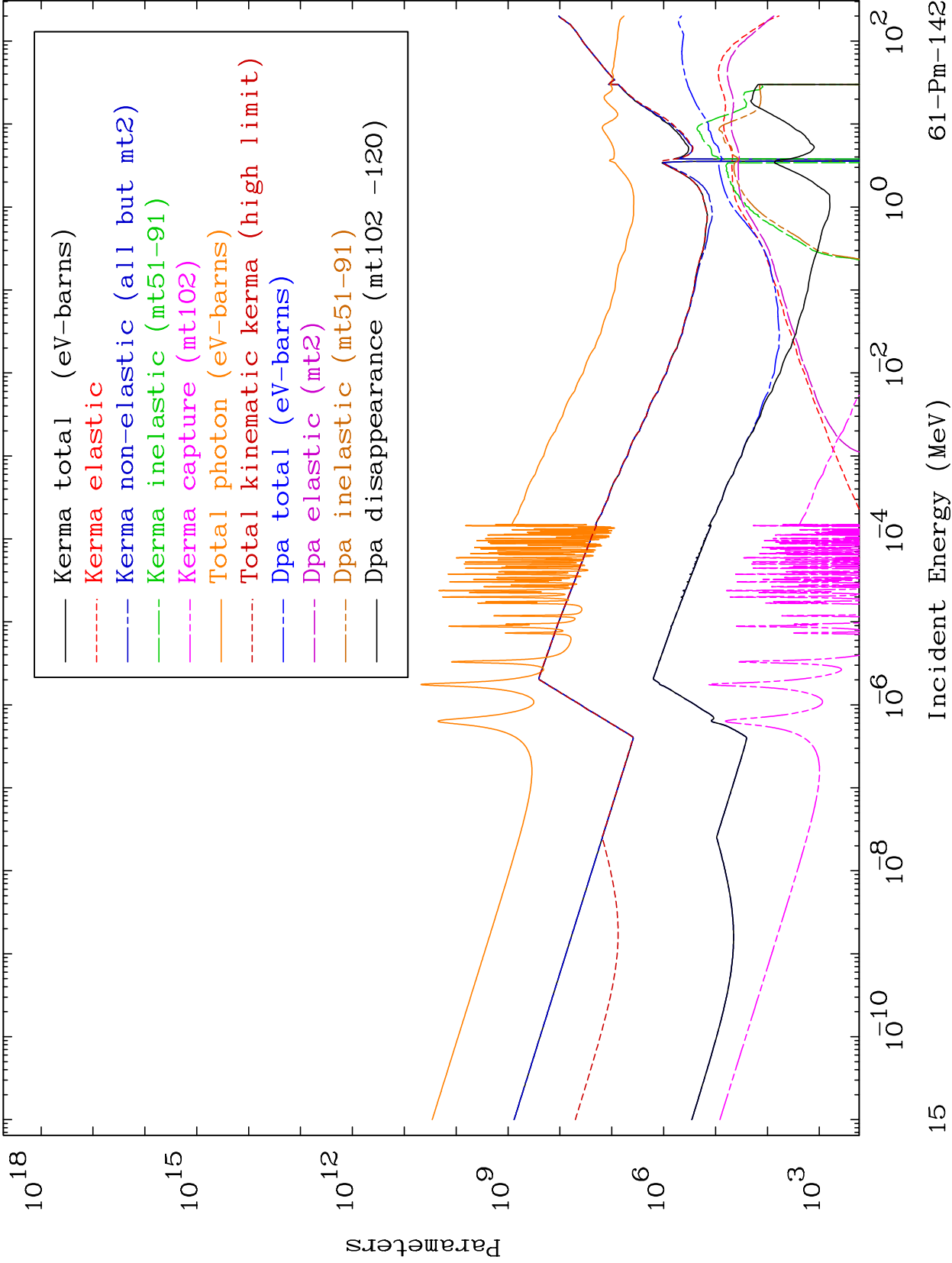
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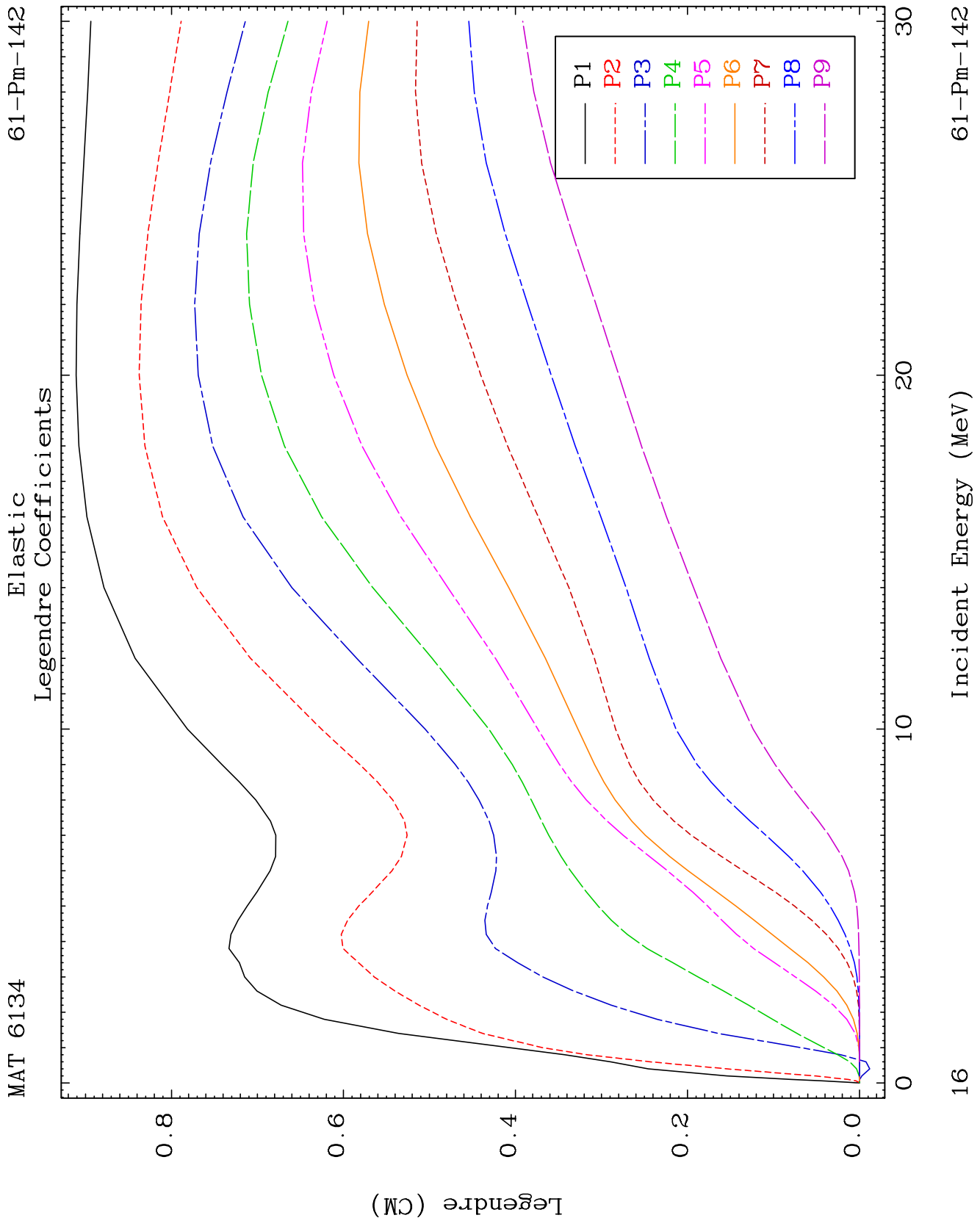


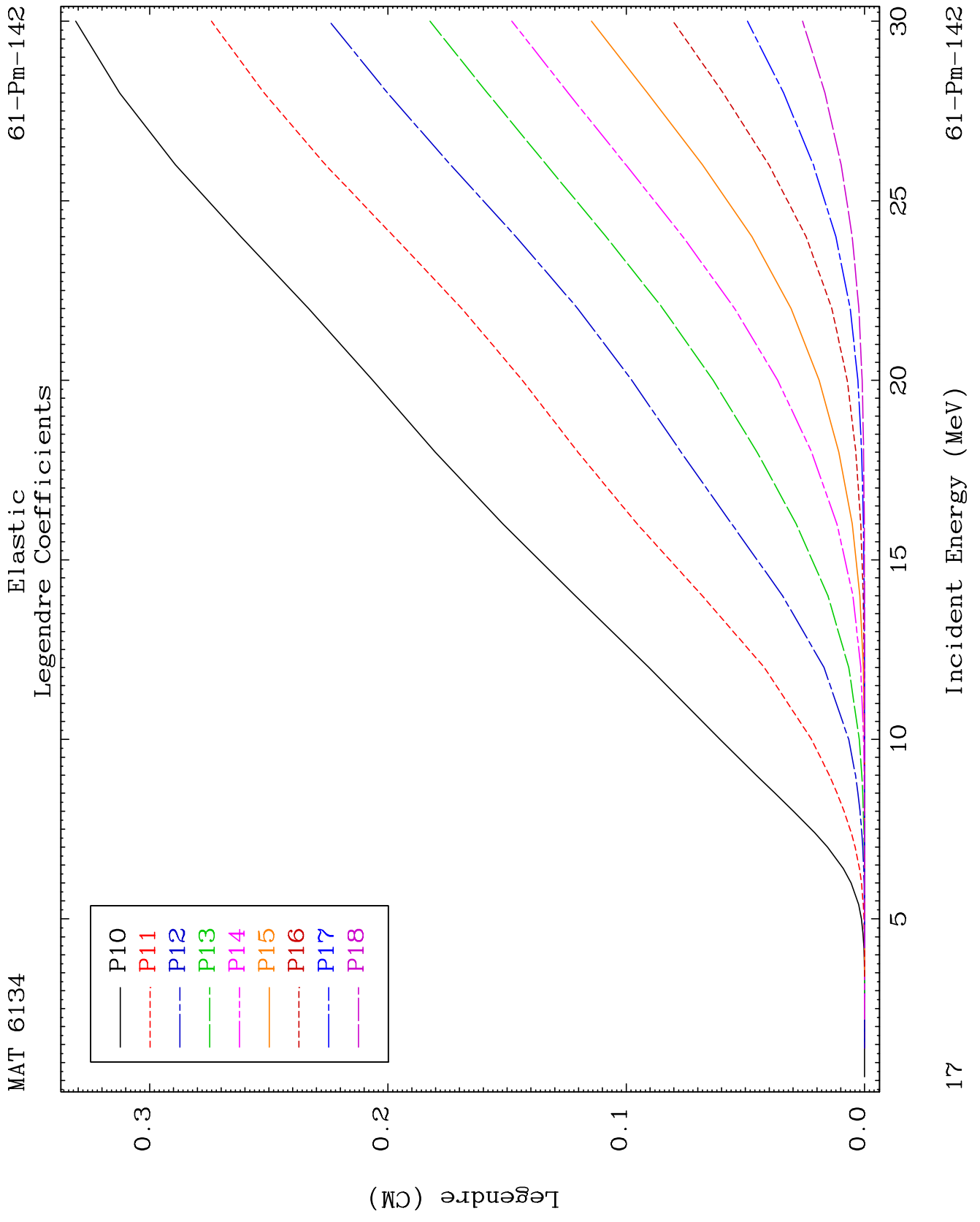
14

Incident Energy (MeV)

61-Pm-142



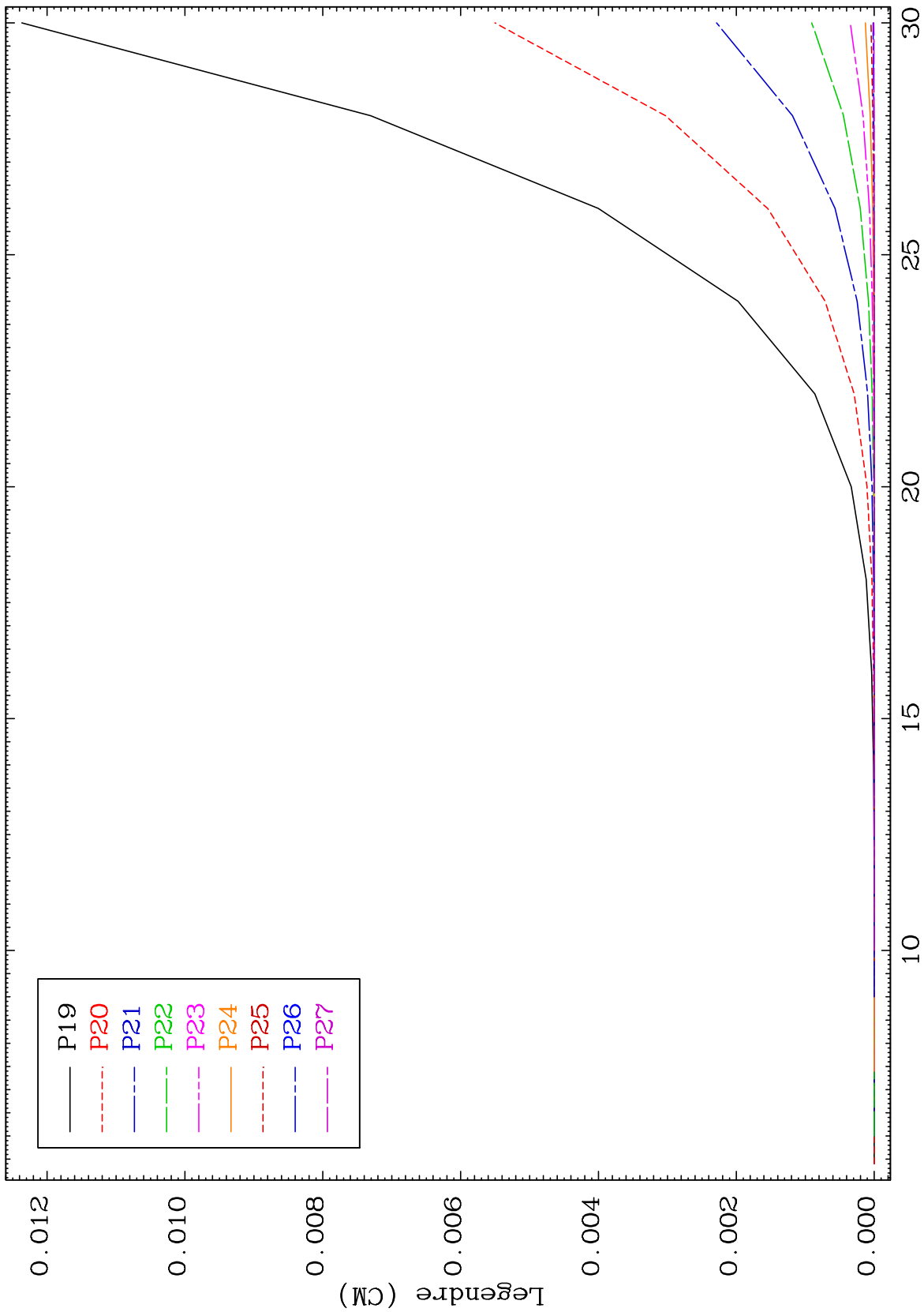




MAT 6134

Elastic Legendre Coefficients

61-Pm-142



18

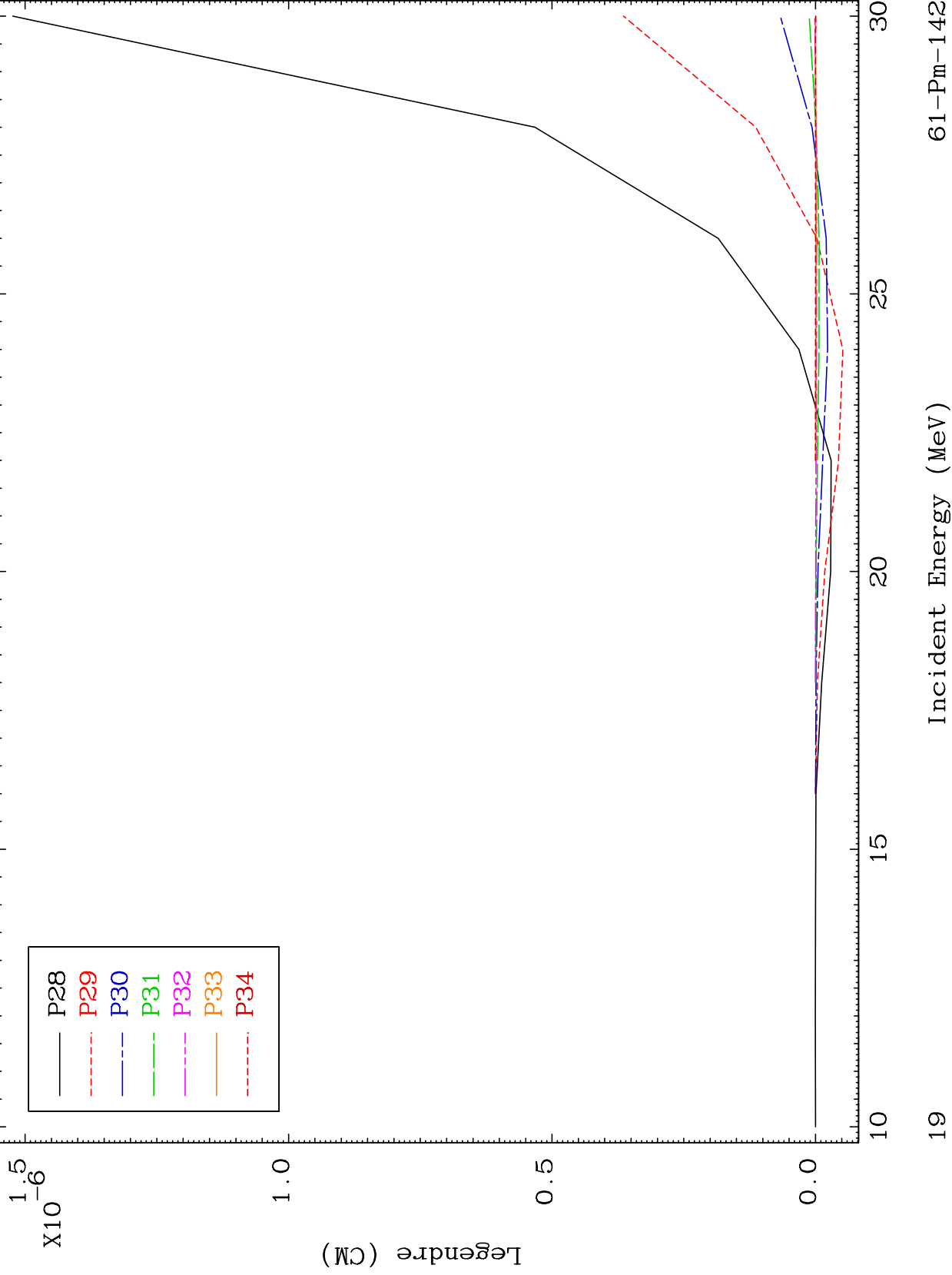
Incident Energy (MeV)

61-Pm-142

MAT 6134

Elastic
Legendre Coefficients

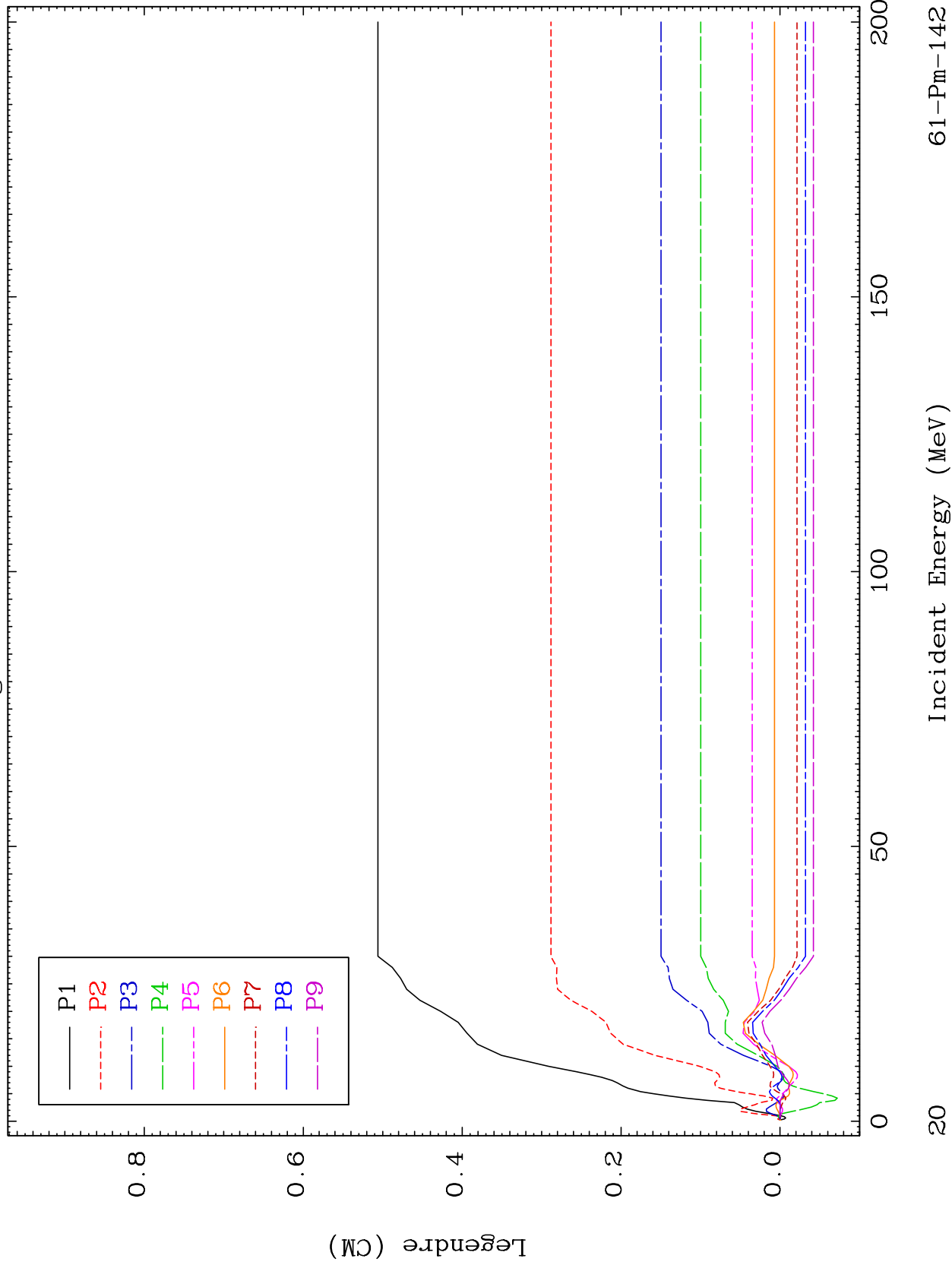
61-Pm-142



MAT 6134

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

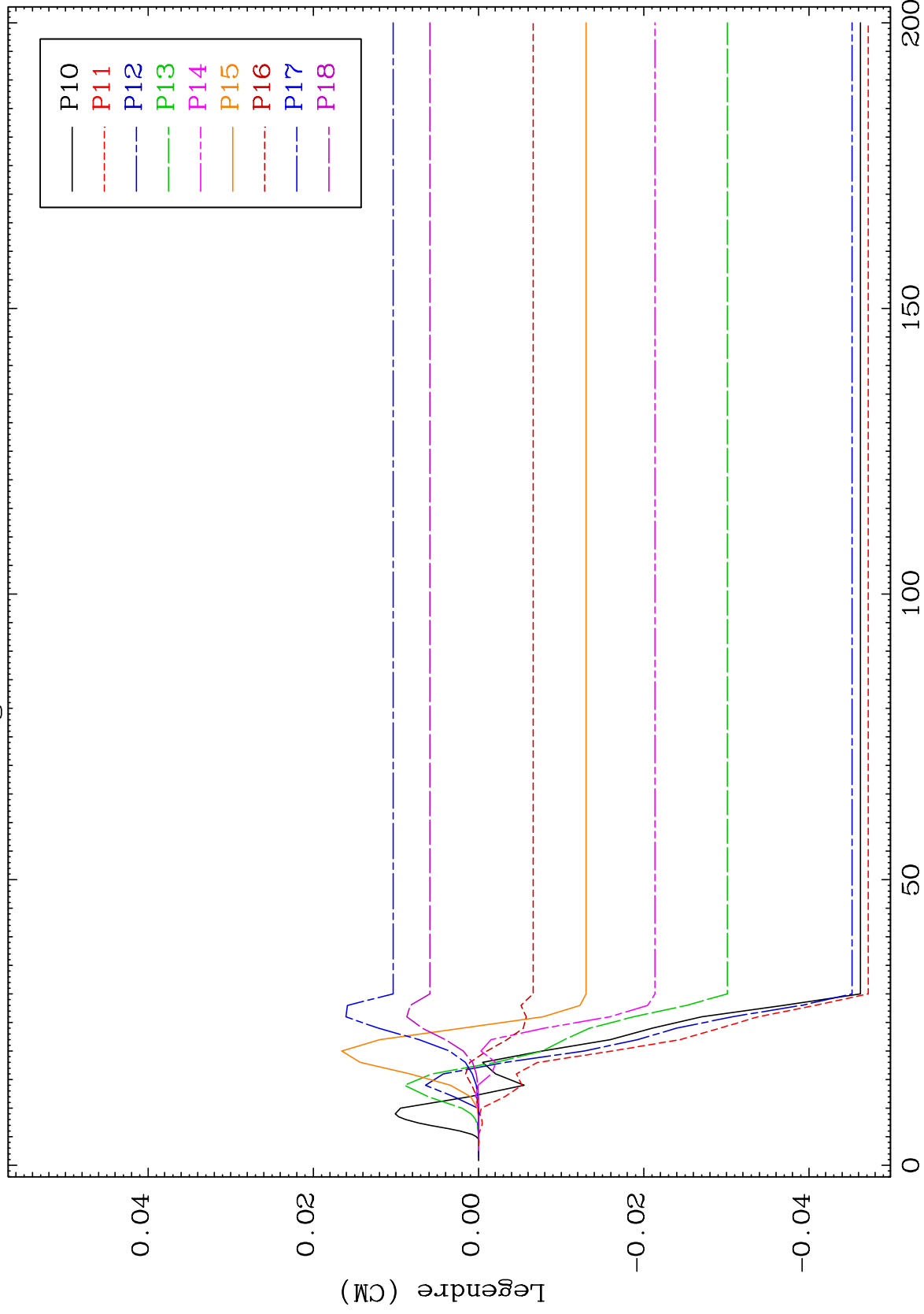
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MAT 6134

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

61-Pm-142



21

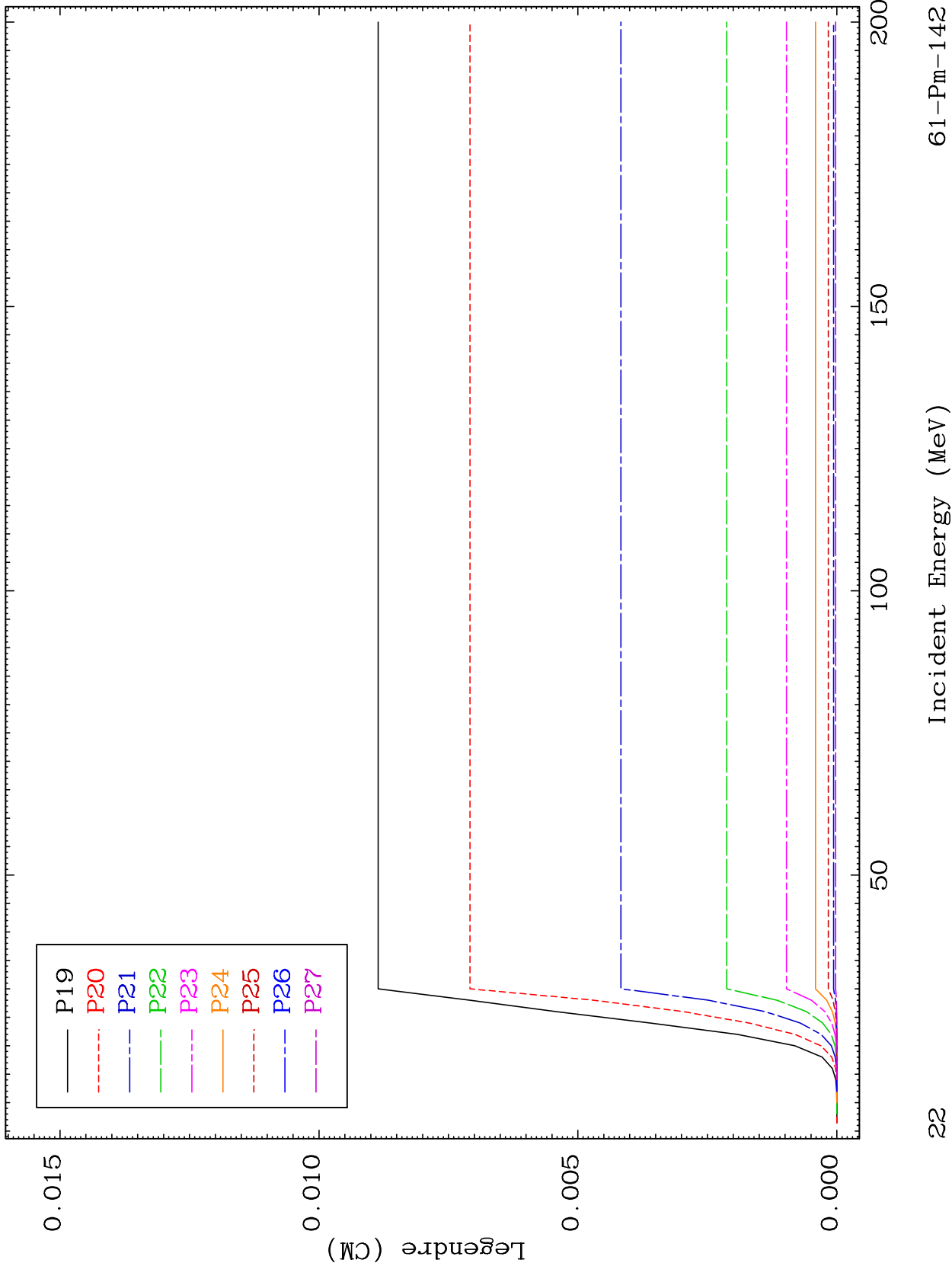
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

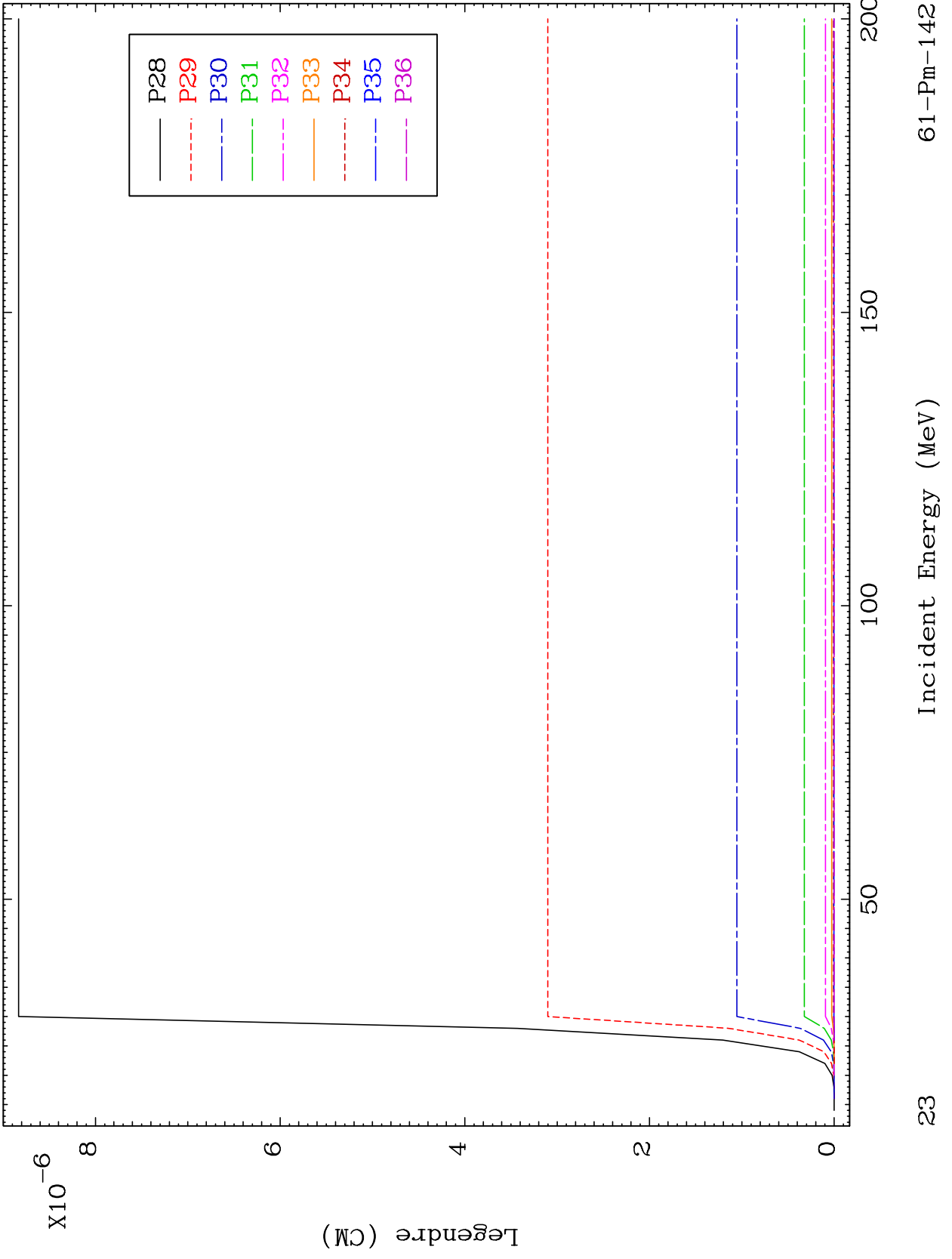
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MAT 6134

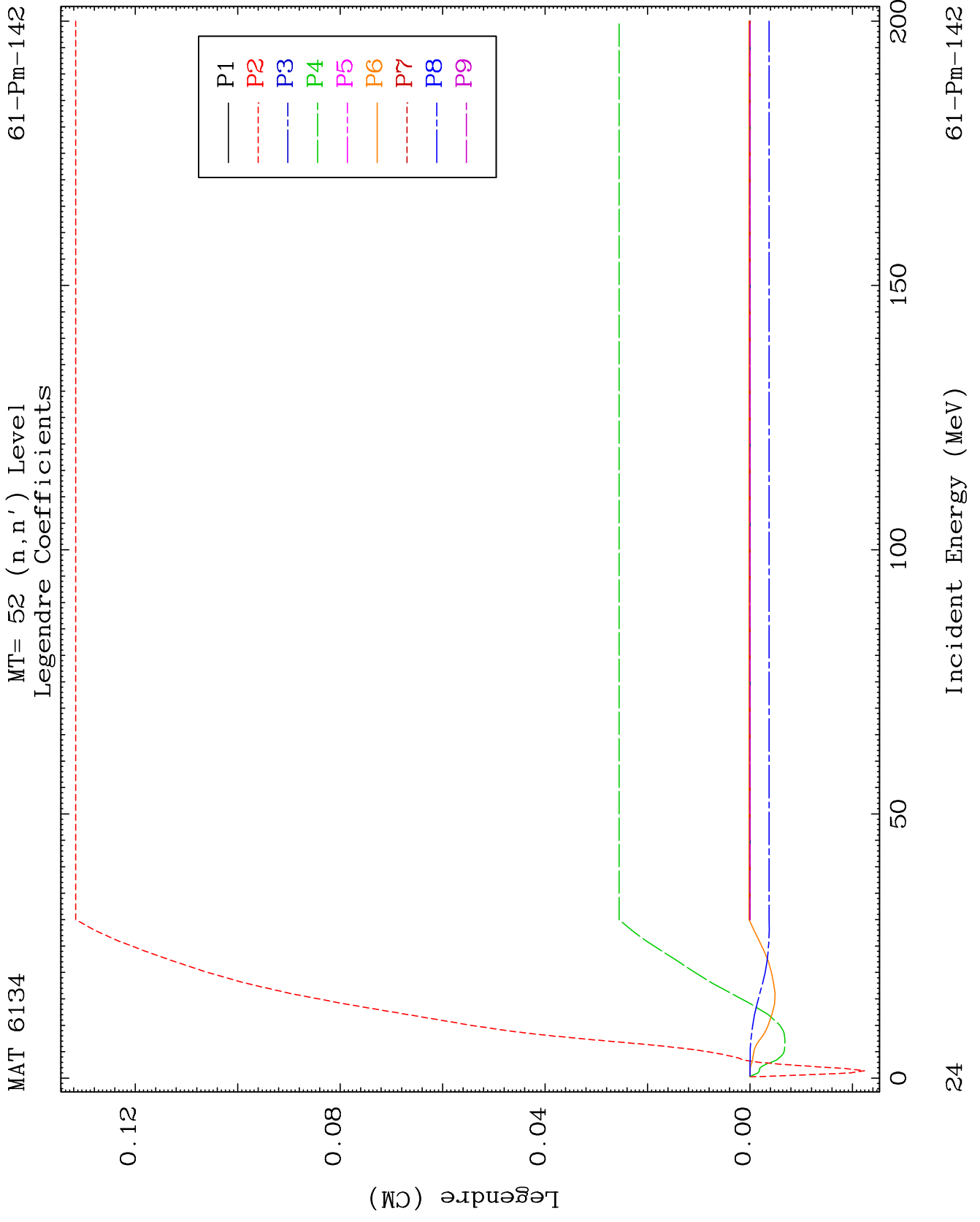
MT= 51 (n,n') Level
Legendre Coefficients

61-Pm-142



23

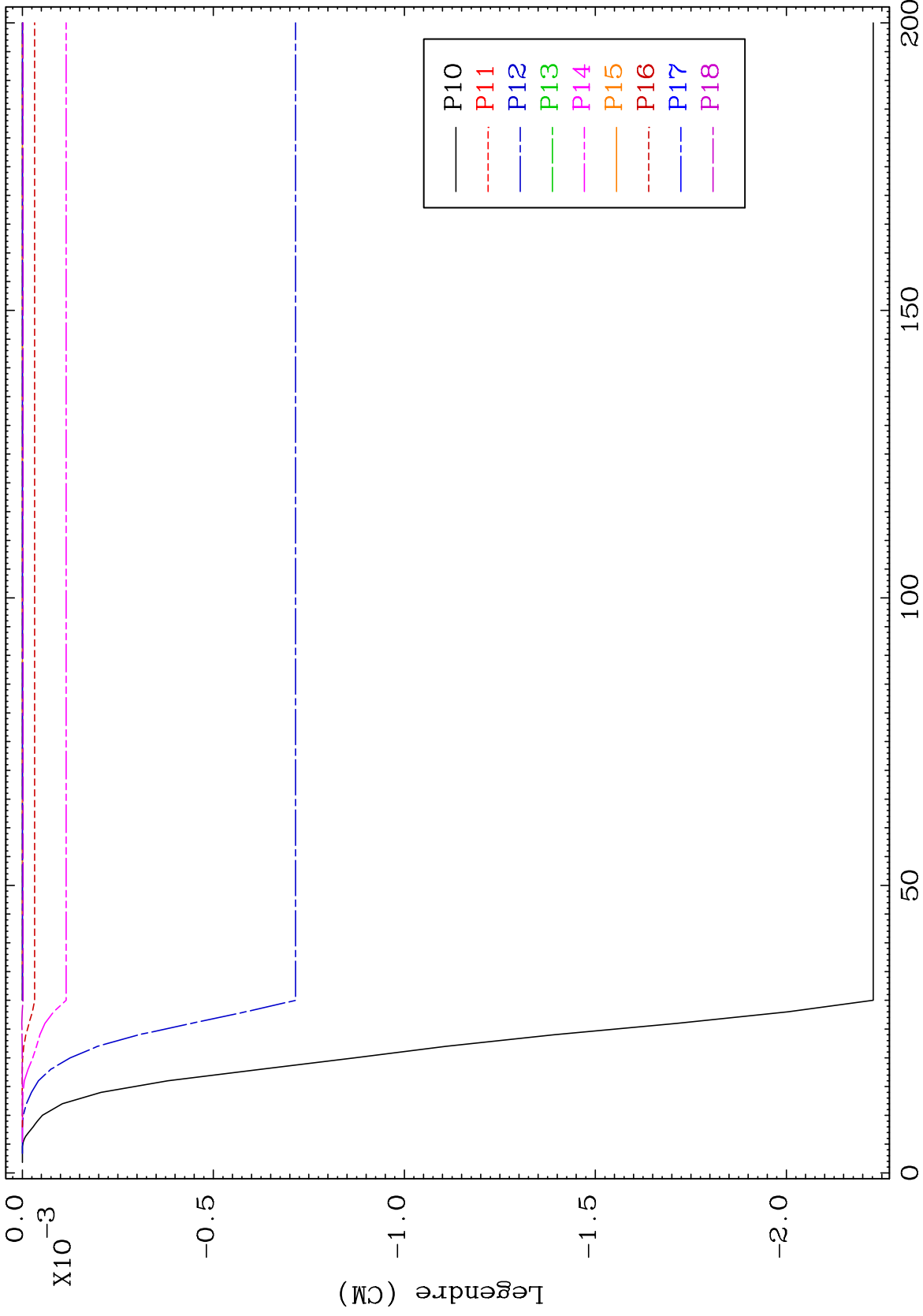
61-Pm-142



MAT 6134

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

61-Pm-142



25

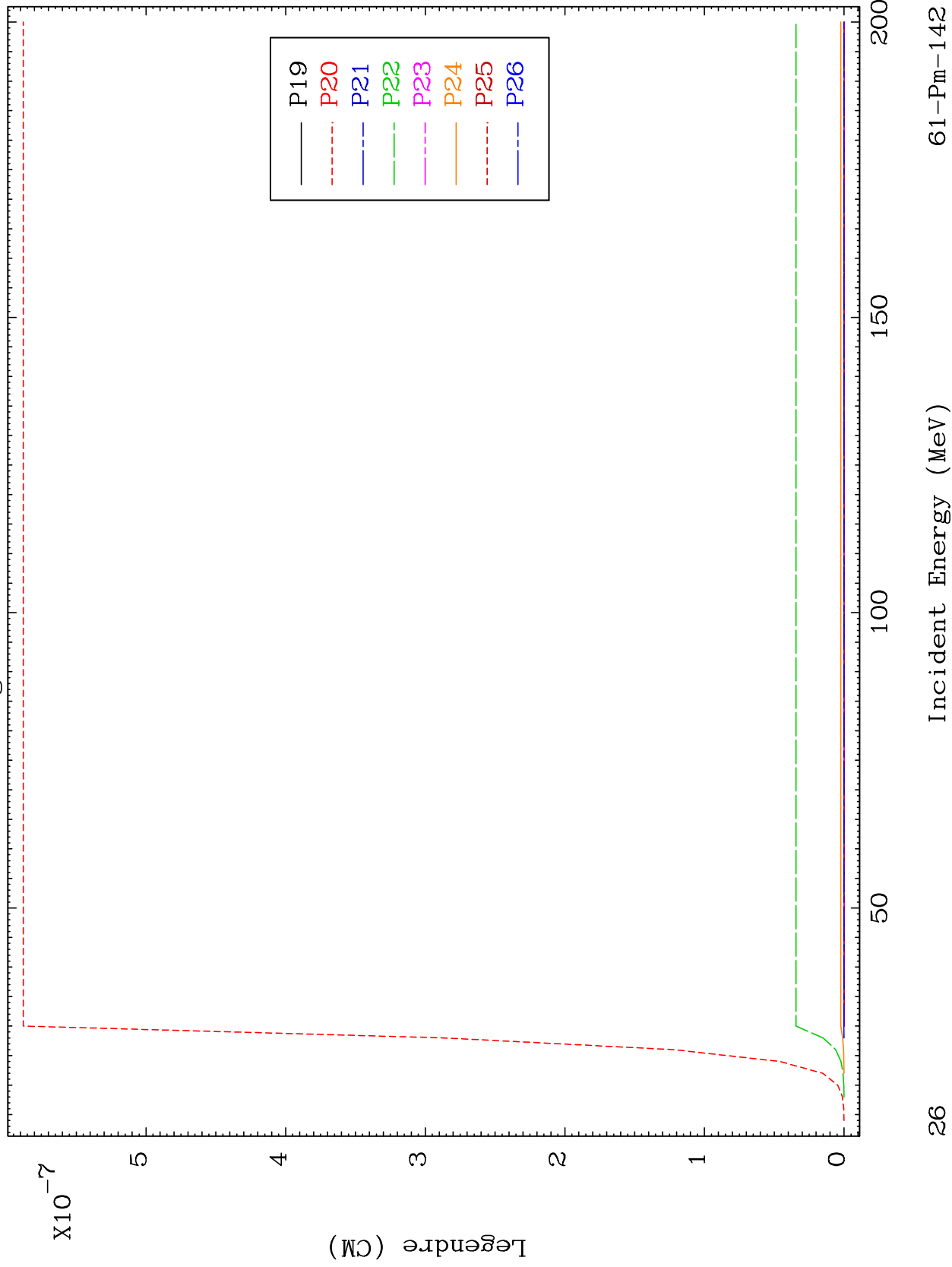
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

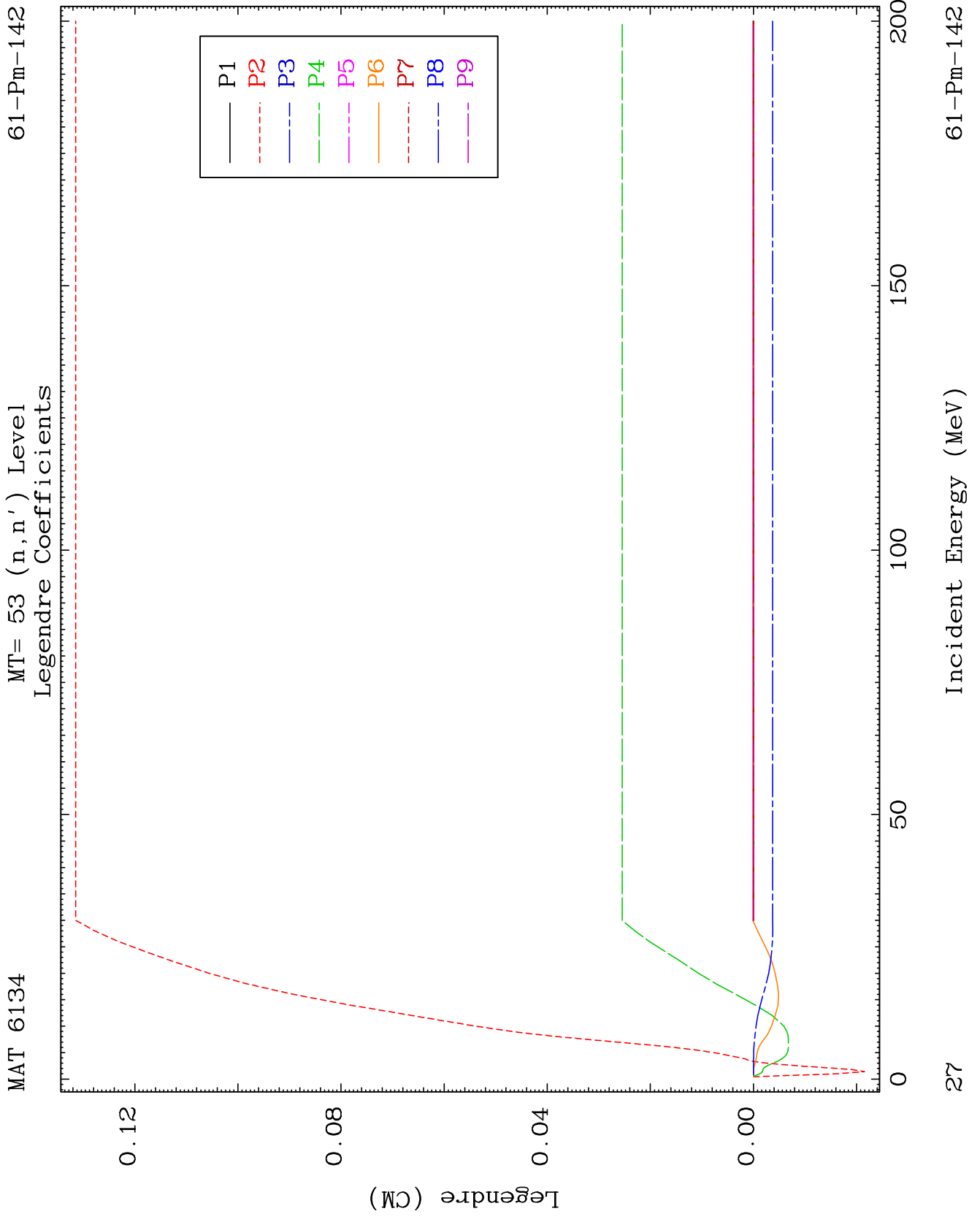
61-Pm-142



26

Incident Energy (MeV)

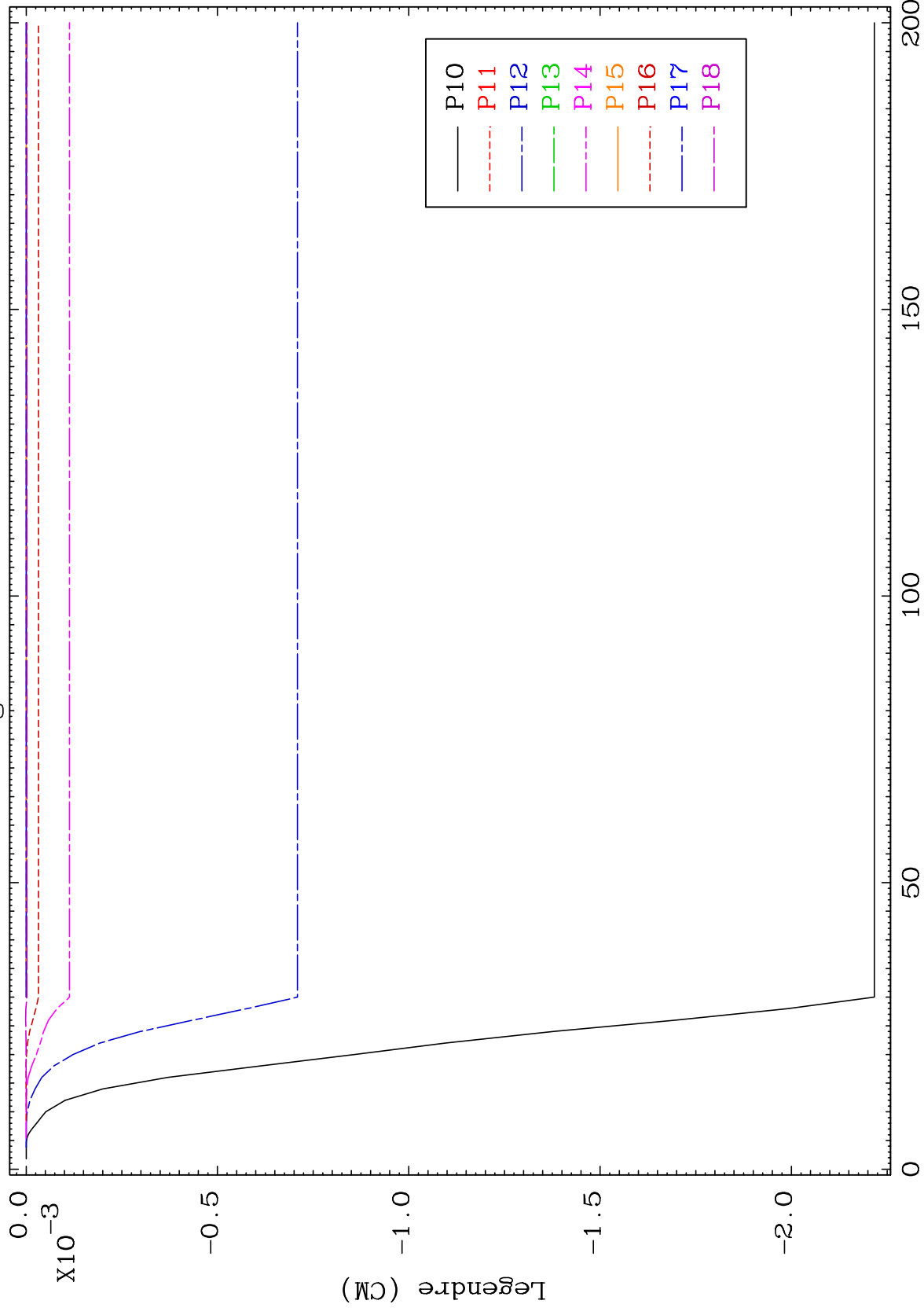
61-Pm-142



MAT 6134

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

61-Pm-142



28

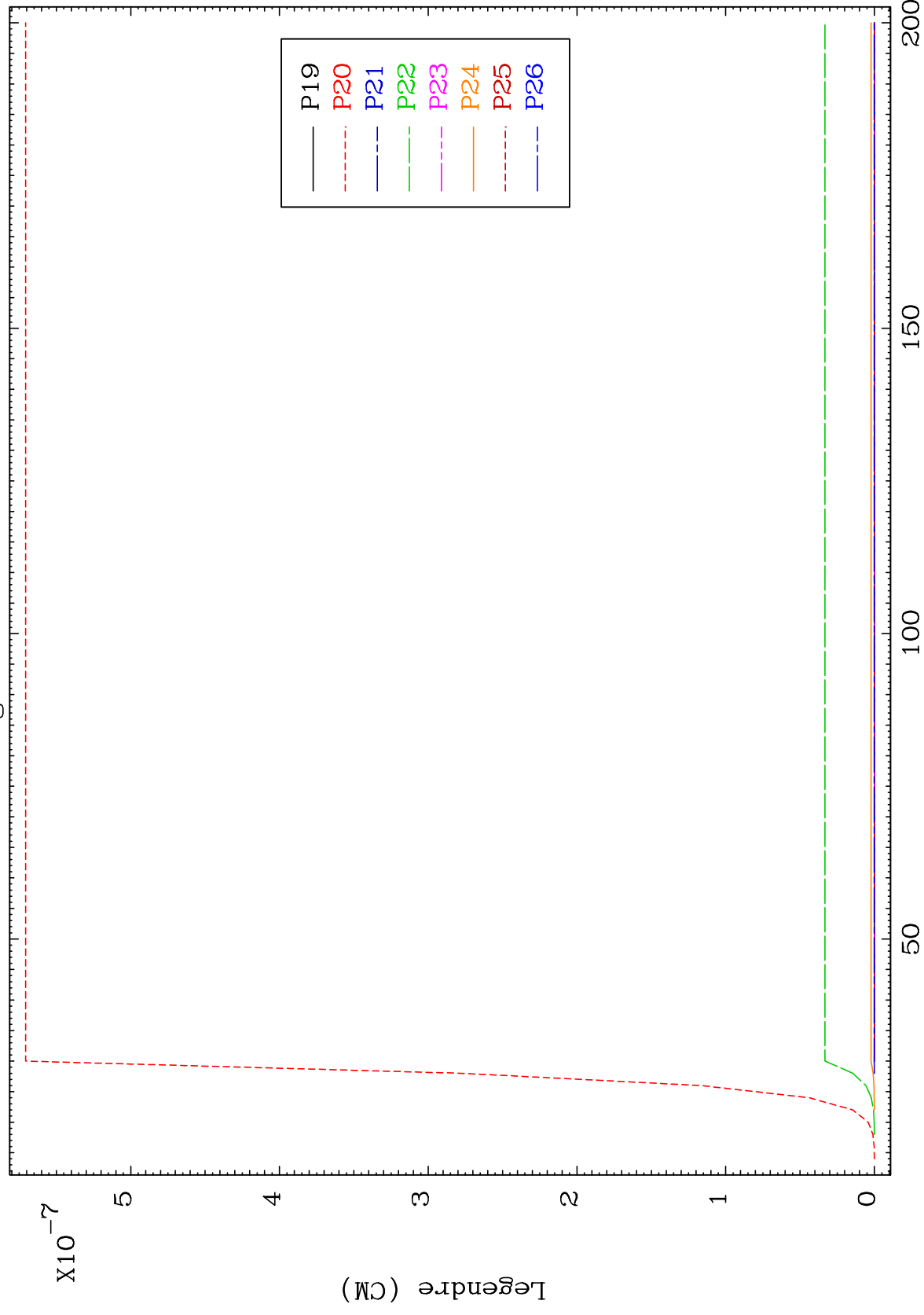
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



29

Incident Energy (MeV)

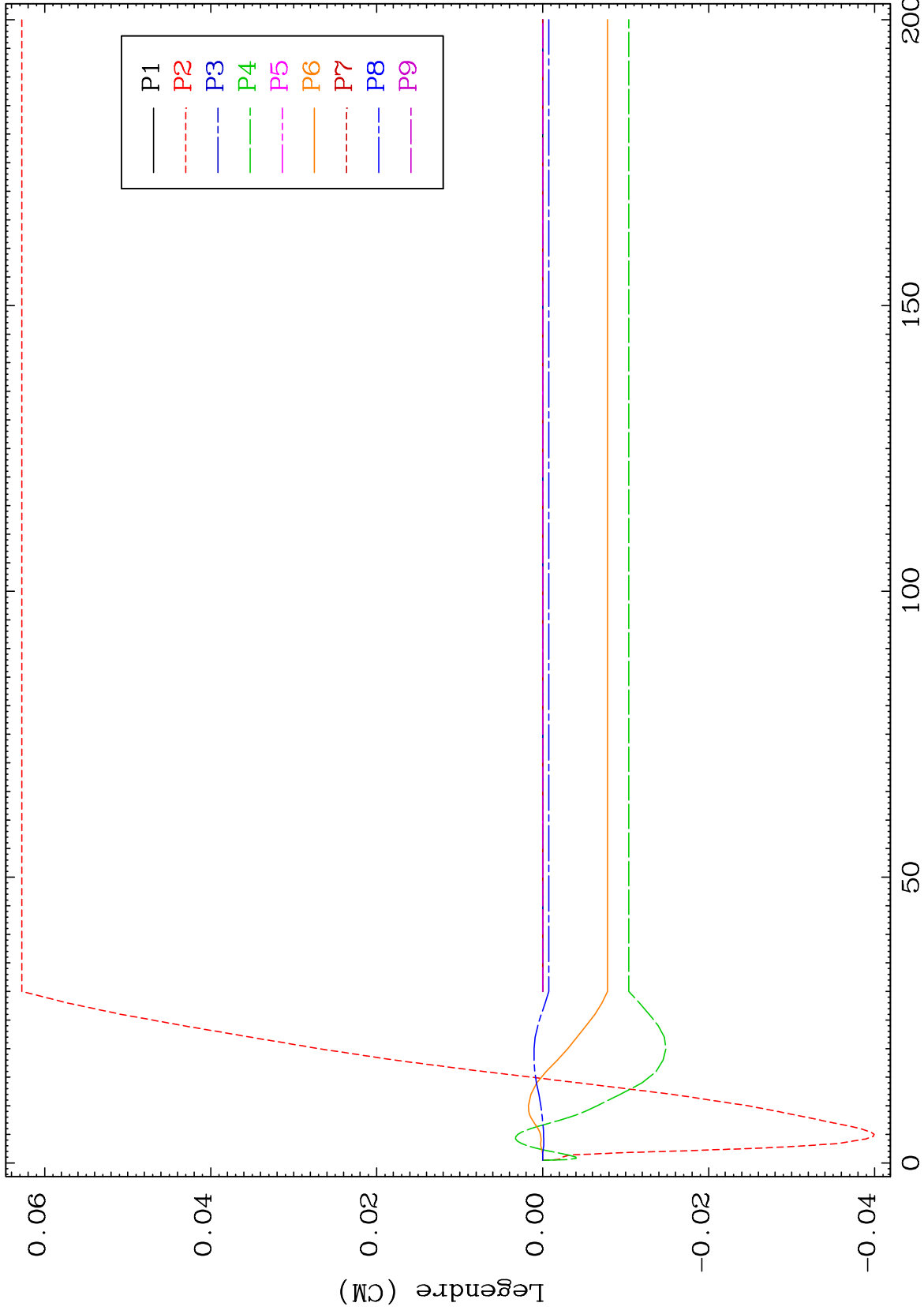
61-Pm-142

MAT 6134

MT= 54 (n,n') Level

61-Pm-142

Legendre Coefficients



61-Pm-142

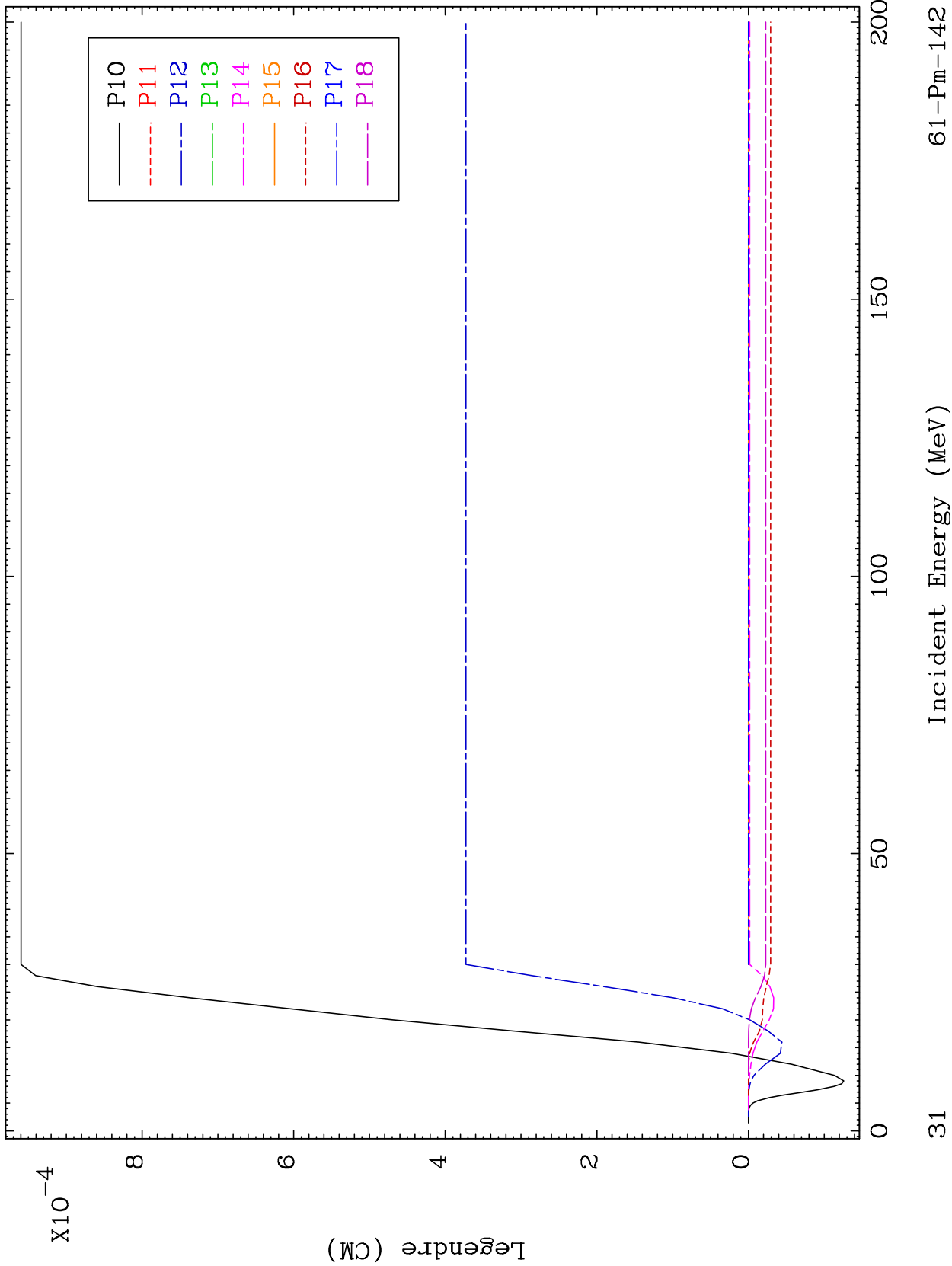
Incident Energy (MeV)

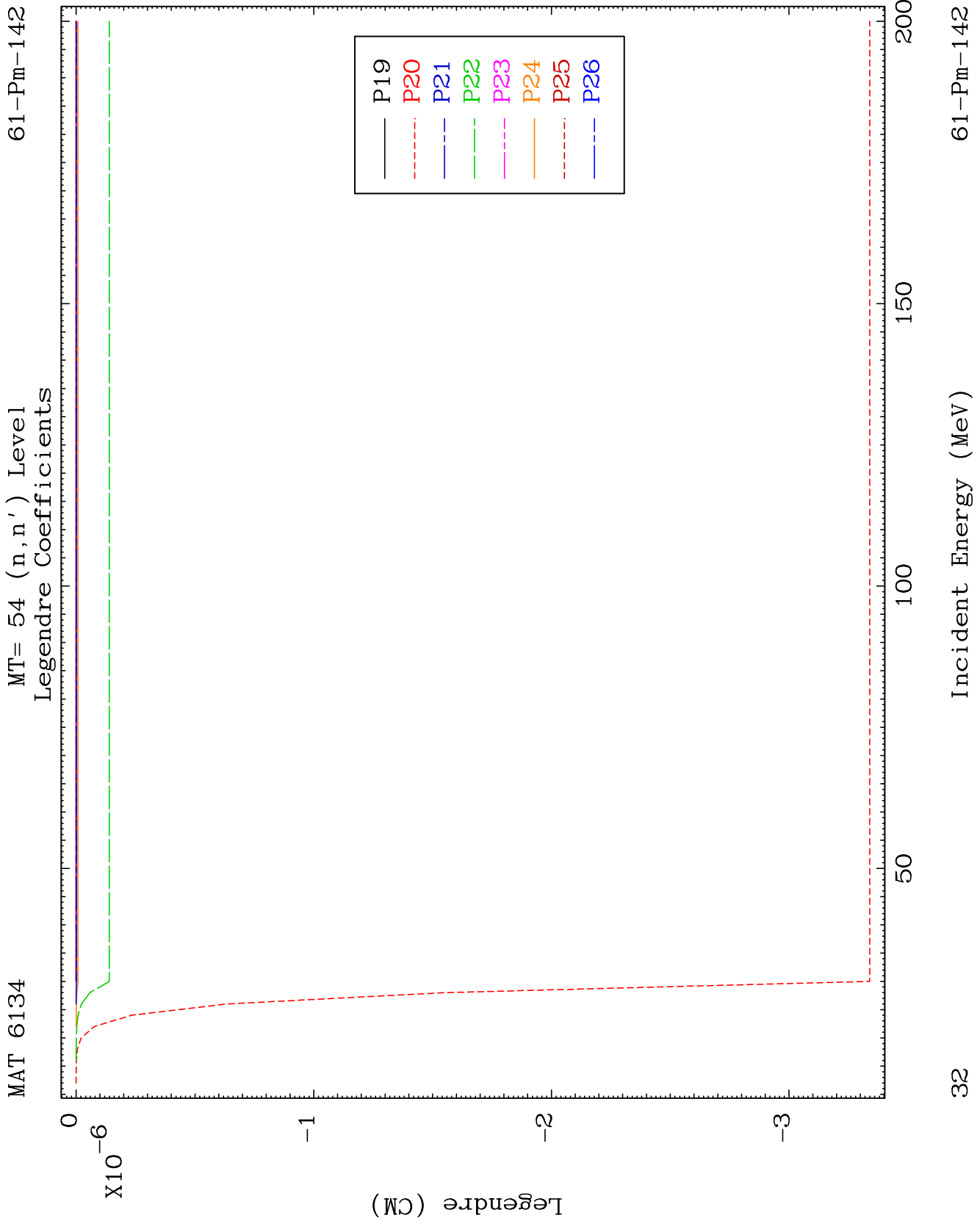
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MAT 6134

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

61-Pm-142

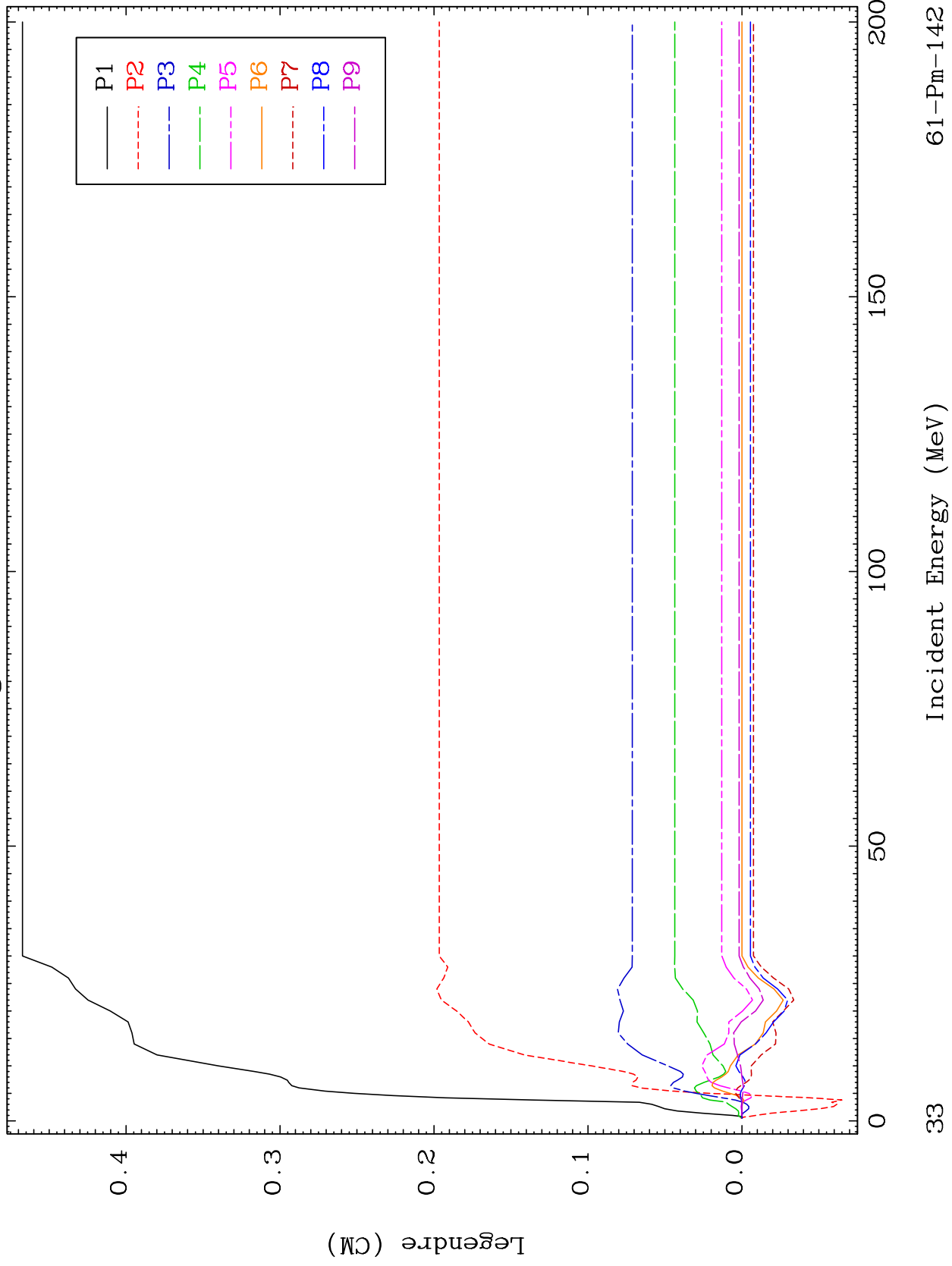




MAT 6134

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

61-Pm-142



61-Pm-142

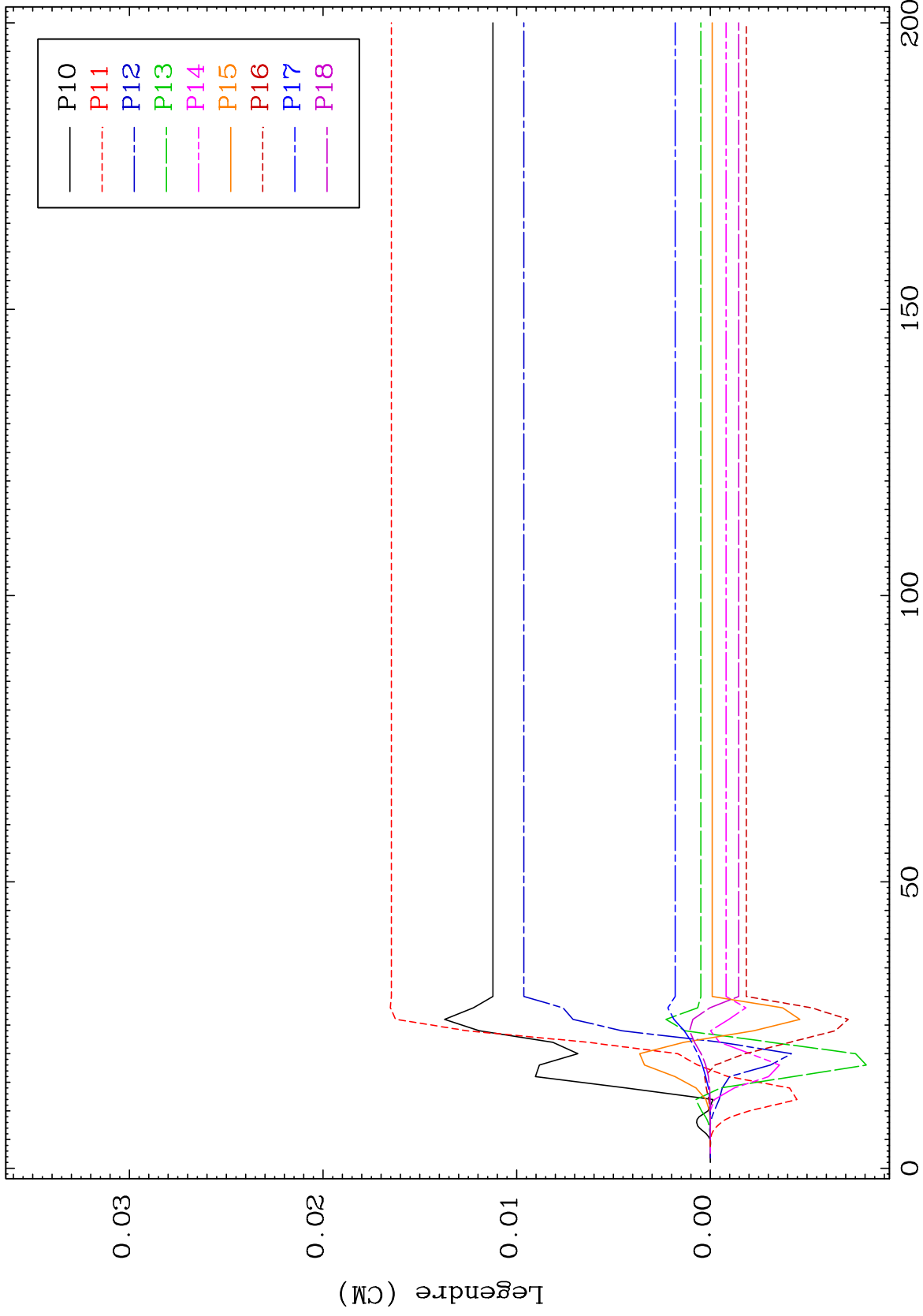
Incident Energy (MeV)

33

MAT 6134

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

61-Pm-142



34

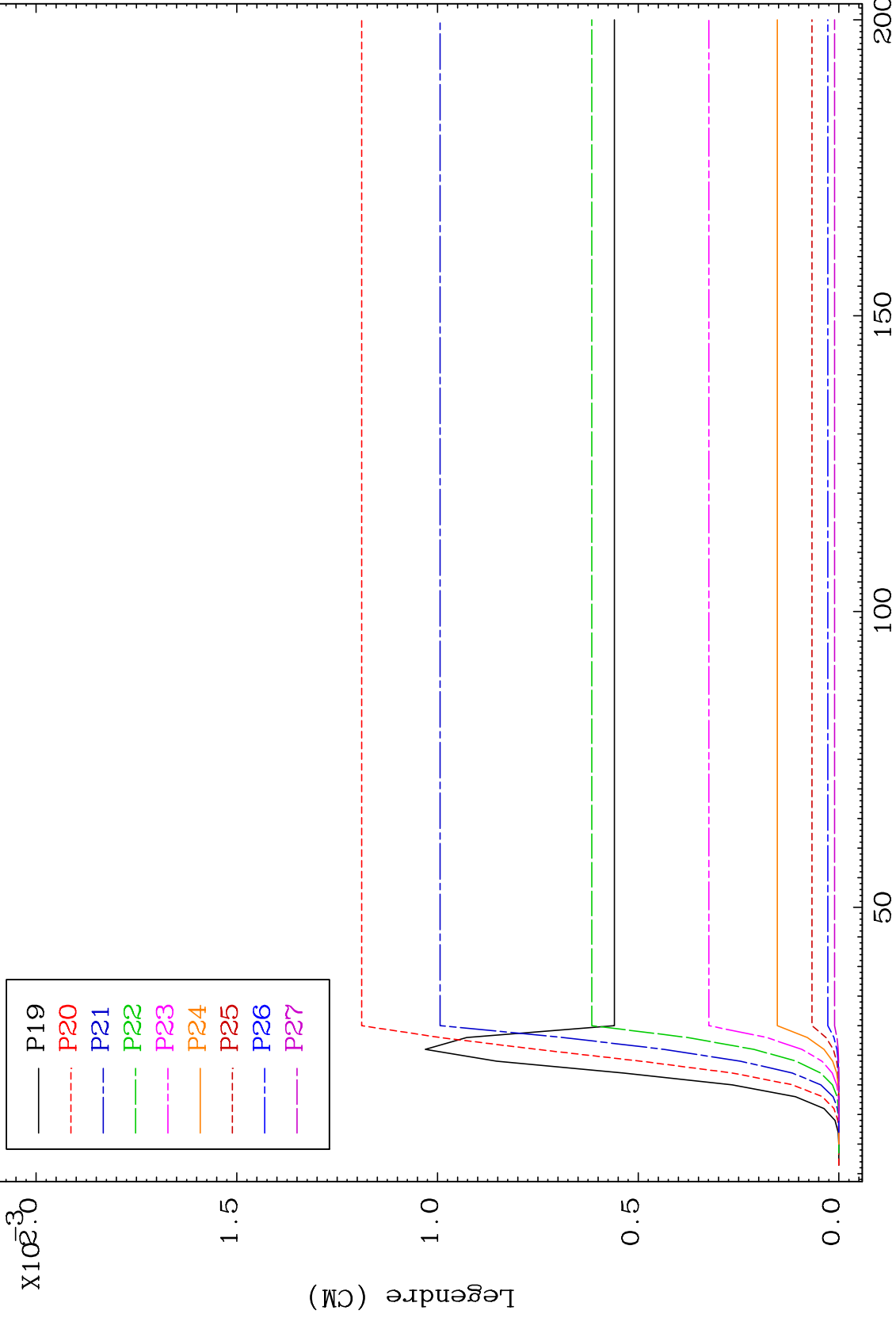
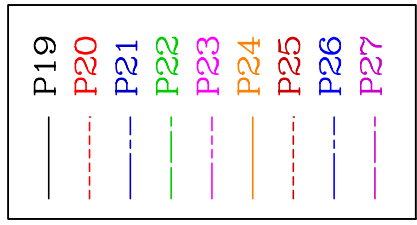
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



35

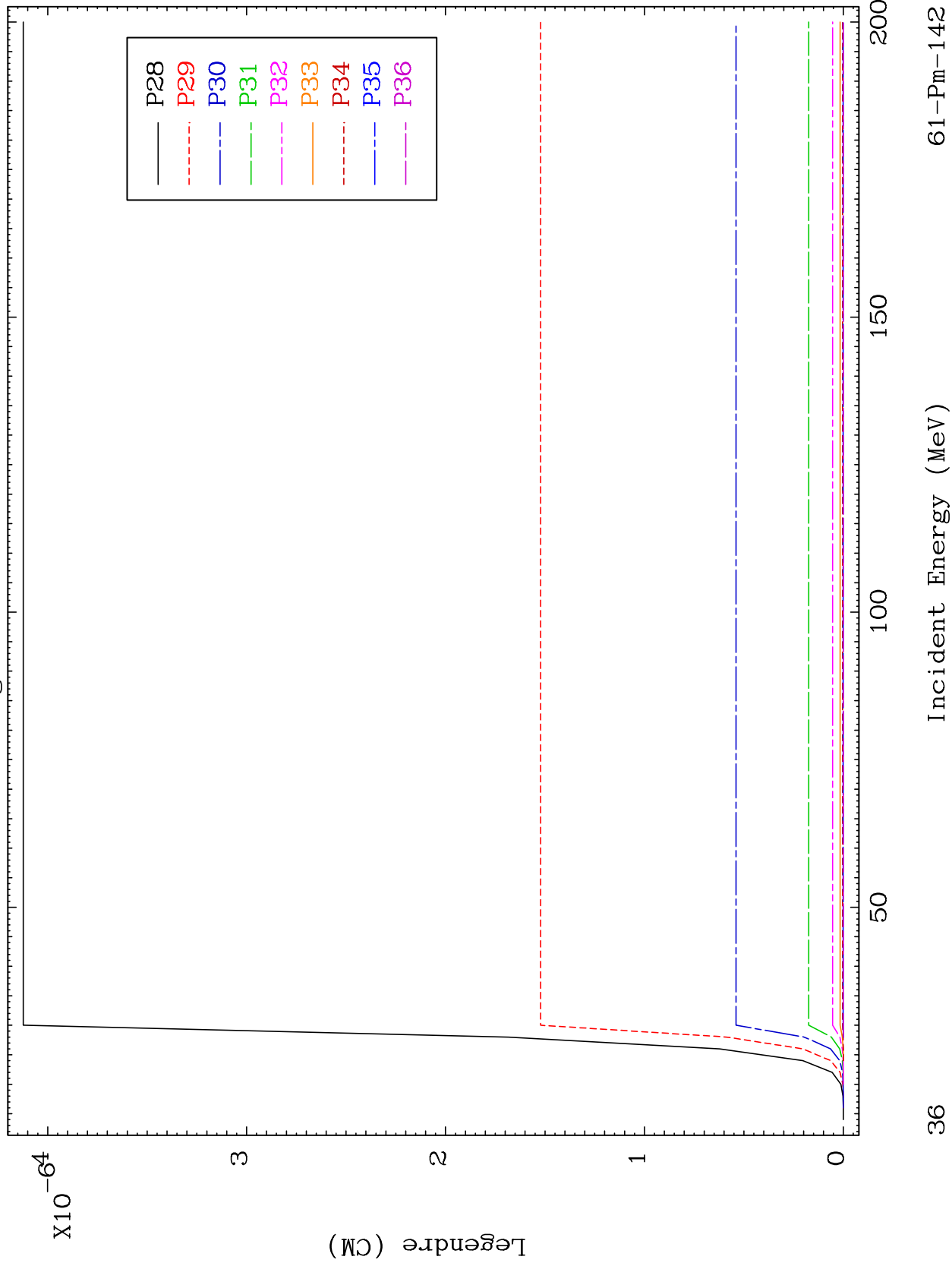
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



36

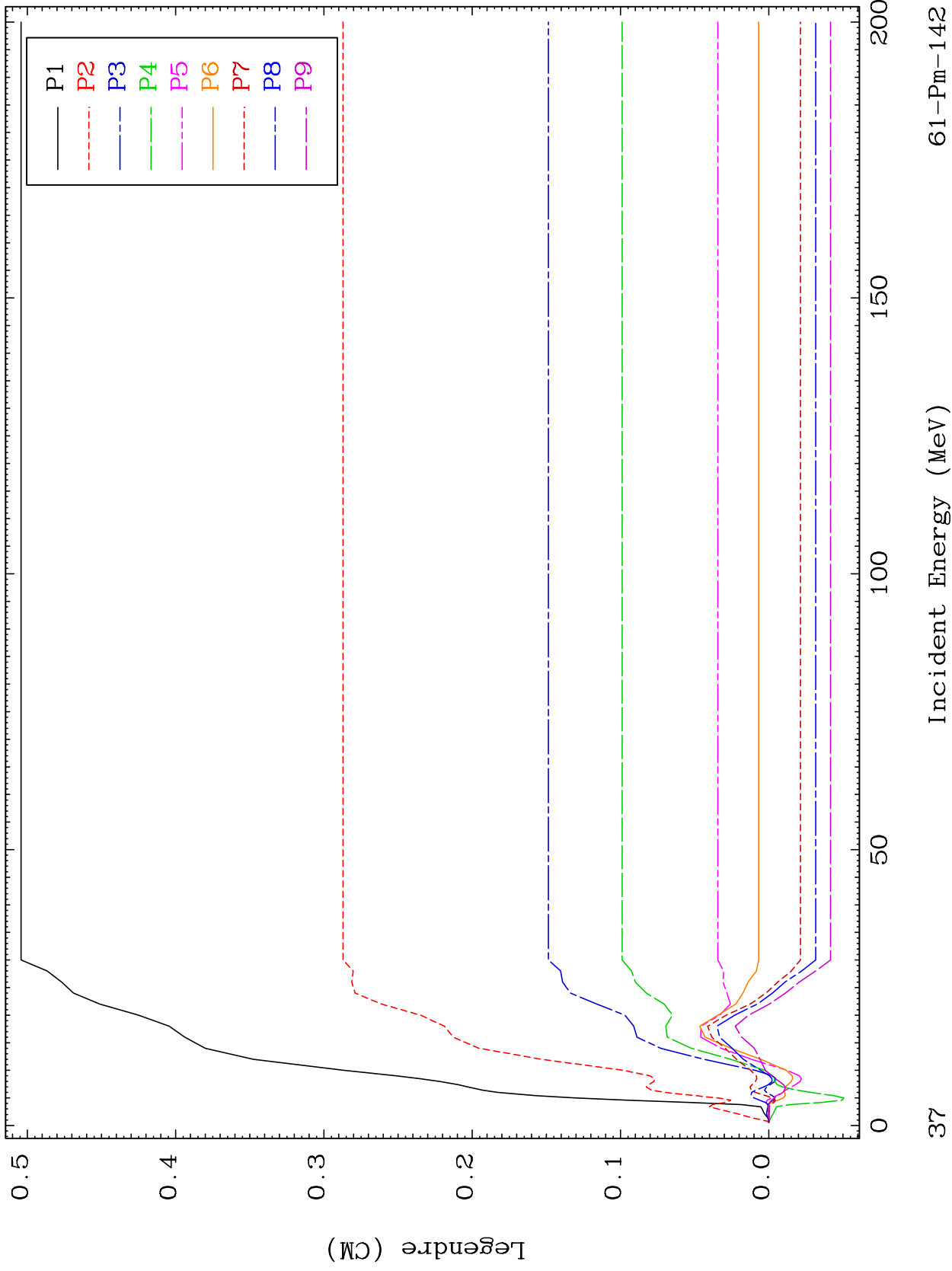
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



61-Pm-142

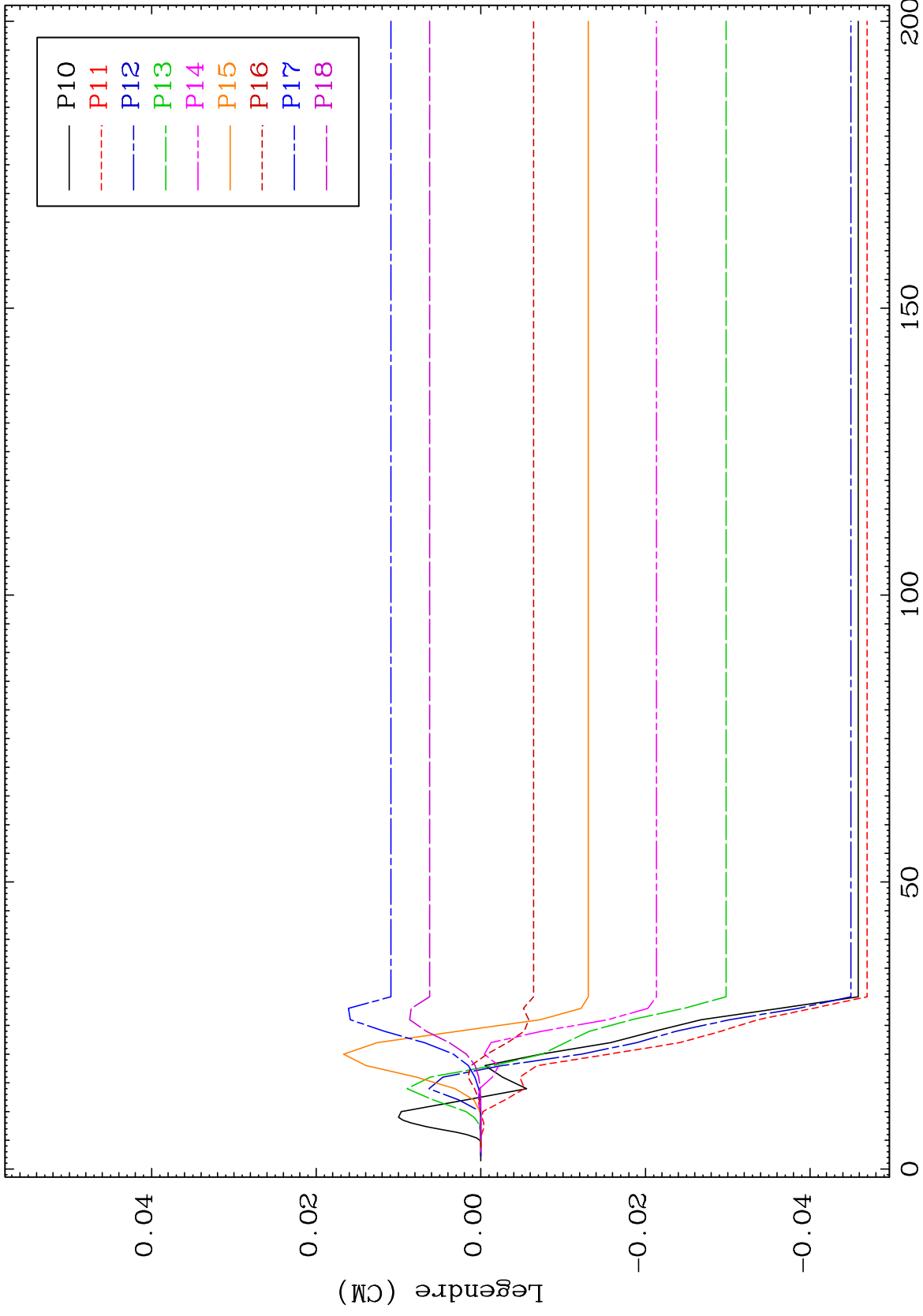
Incident Energy (MeV)

37

MAT 6134

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

61-Pm-142



38

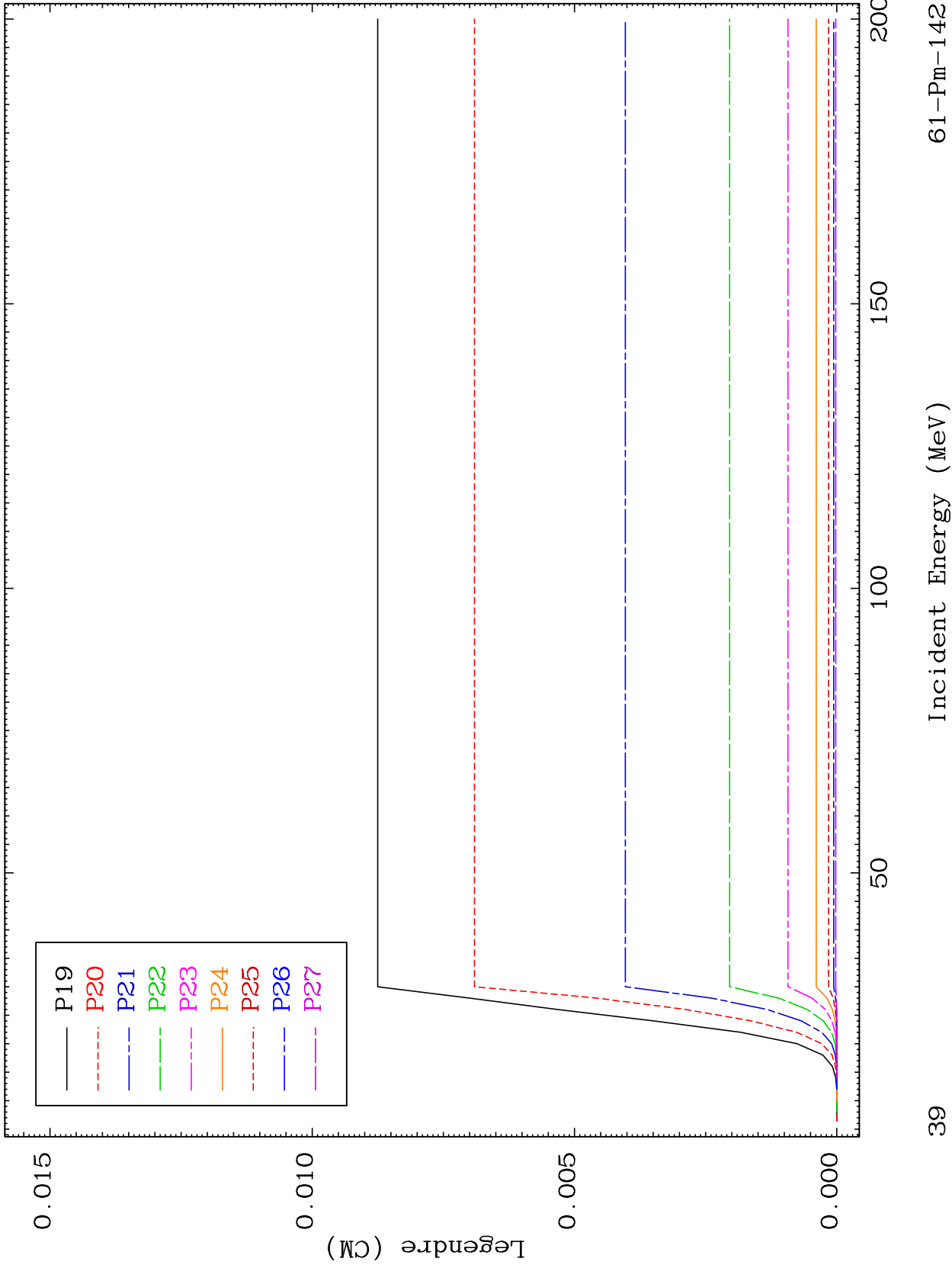
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142

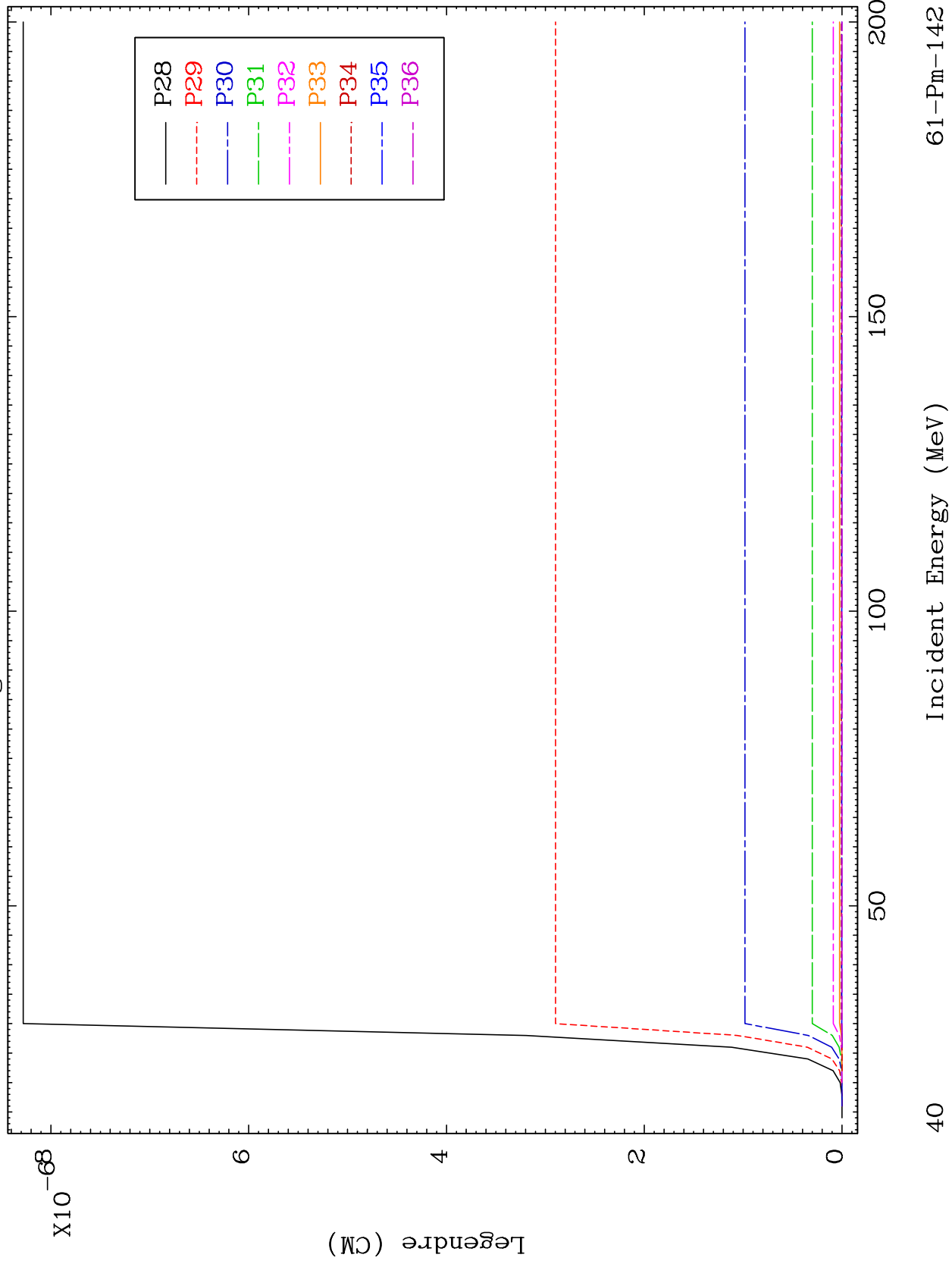


39

MAT 6134

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

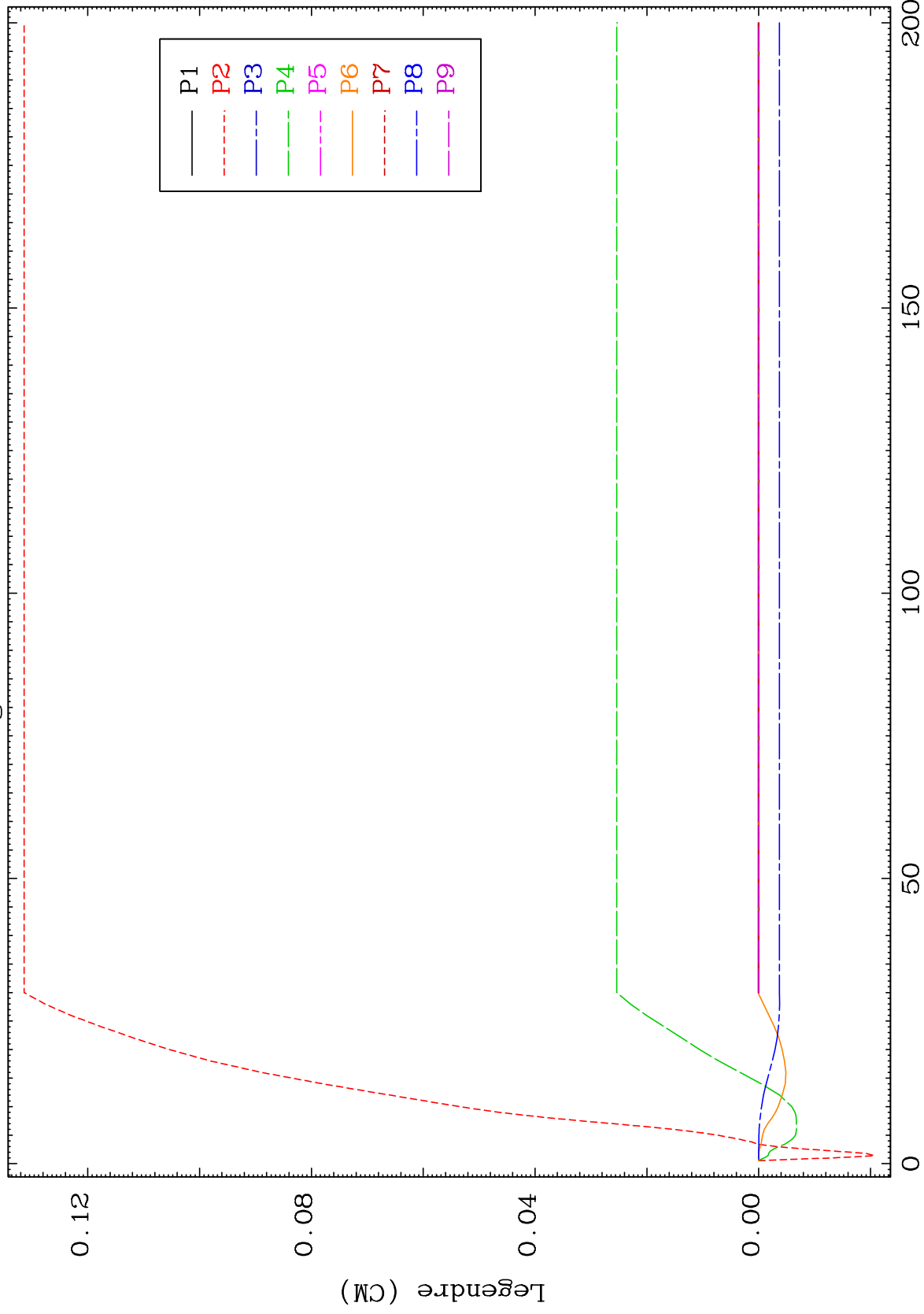
61-Pm-142



MAT 6134

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

61-Pm-142



41

Incident Energy (MeV)

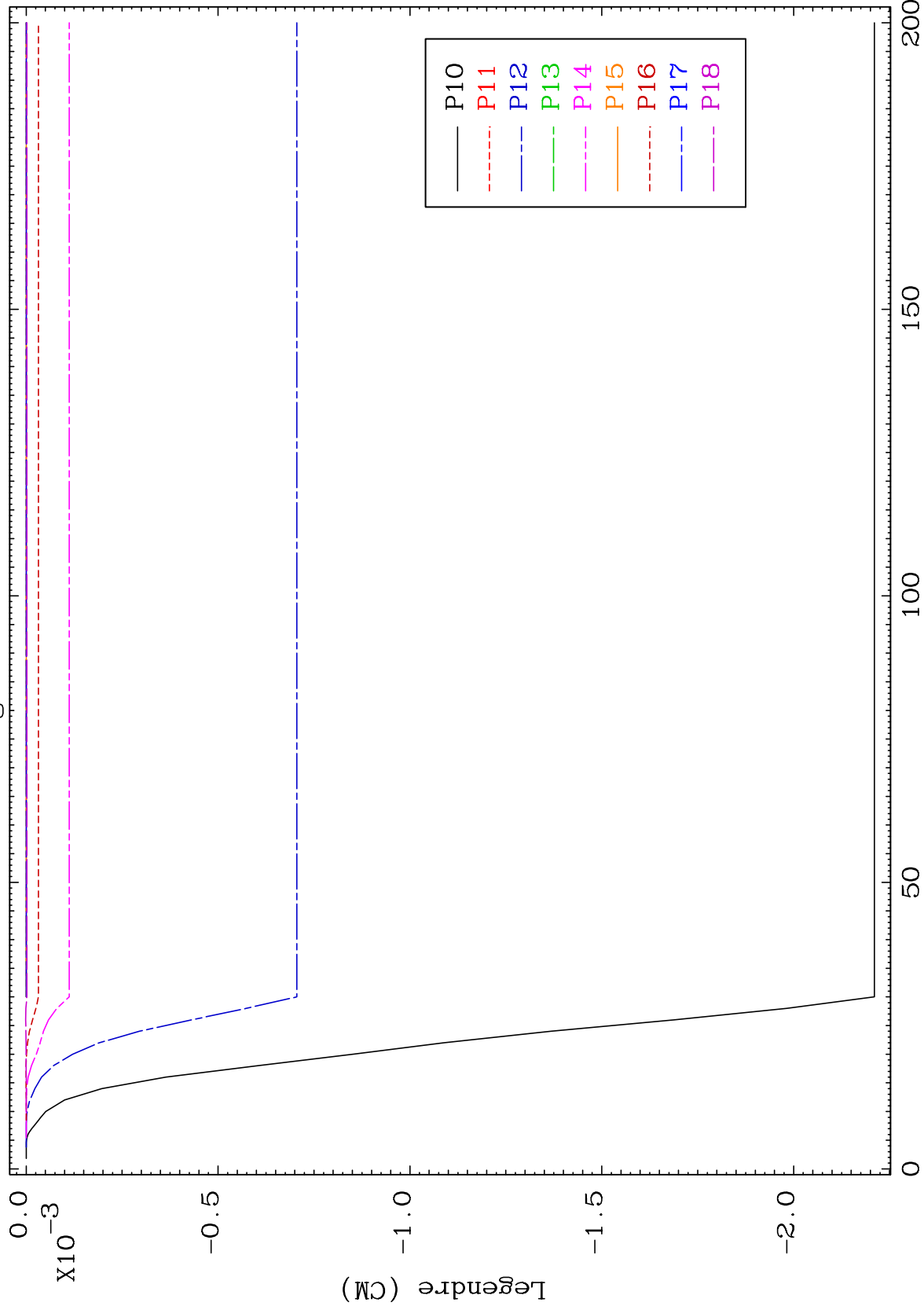
61-Pm-142

MAT 6134

MT= 57 (n,n') Level

61-Pm-142

Legendre Coefficients



42

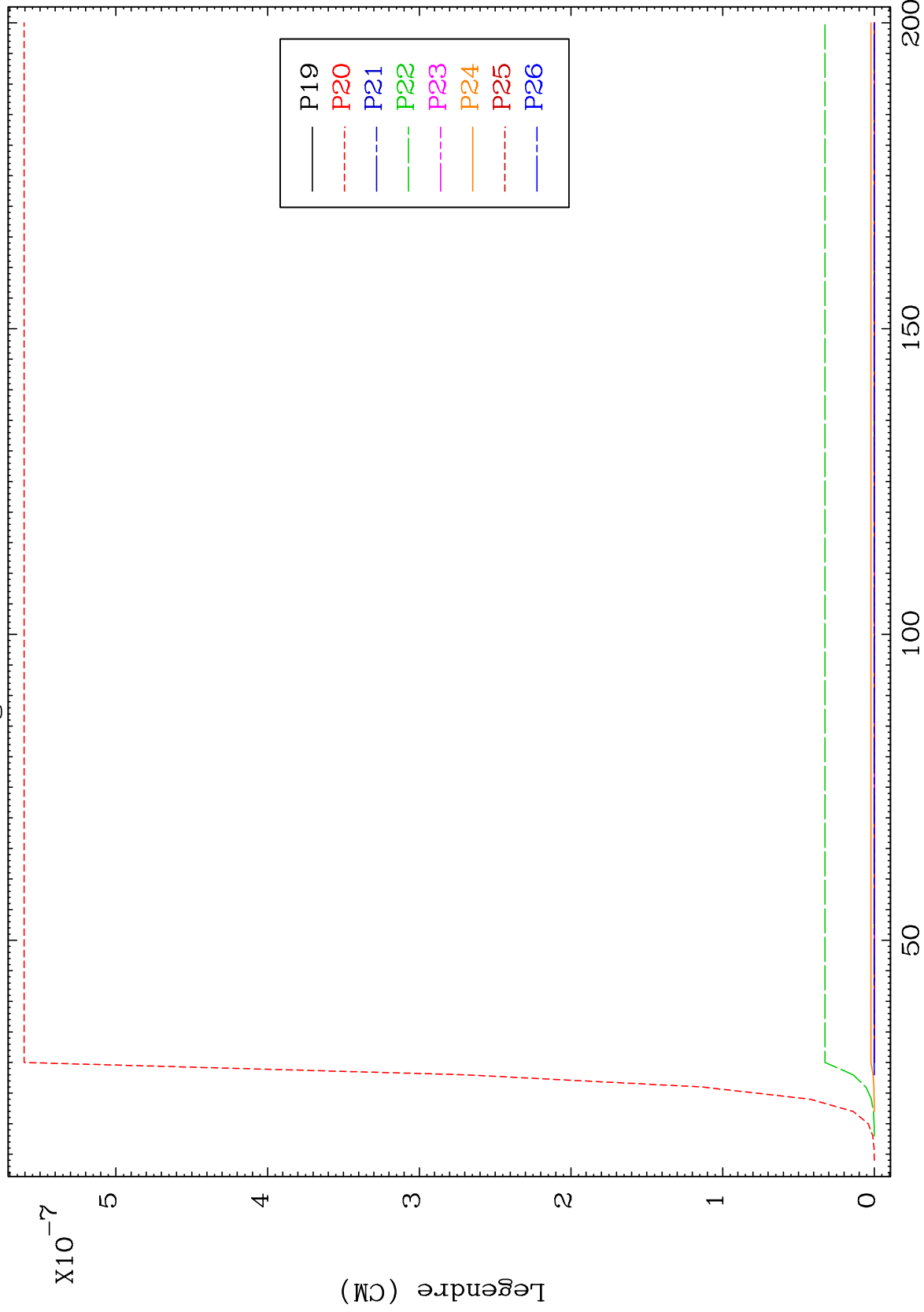
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



43

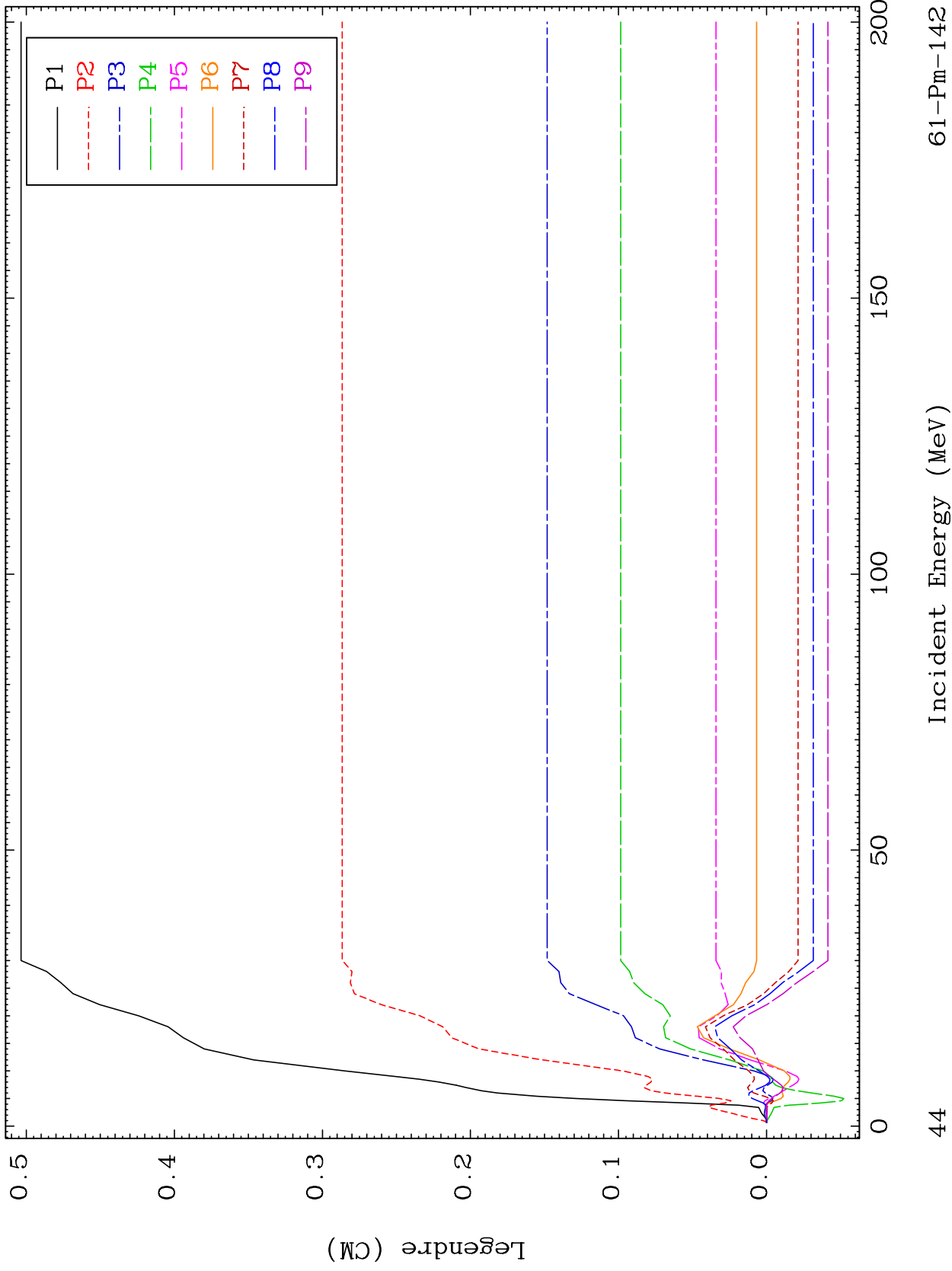
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



61-Pm-142

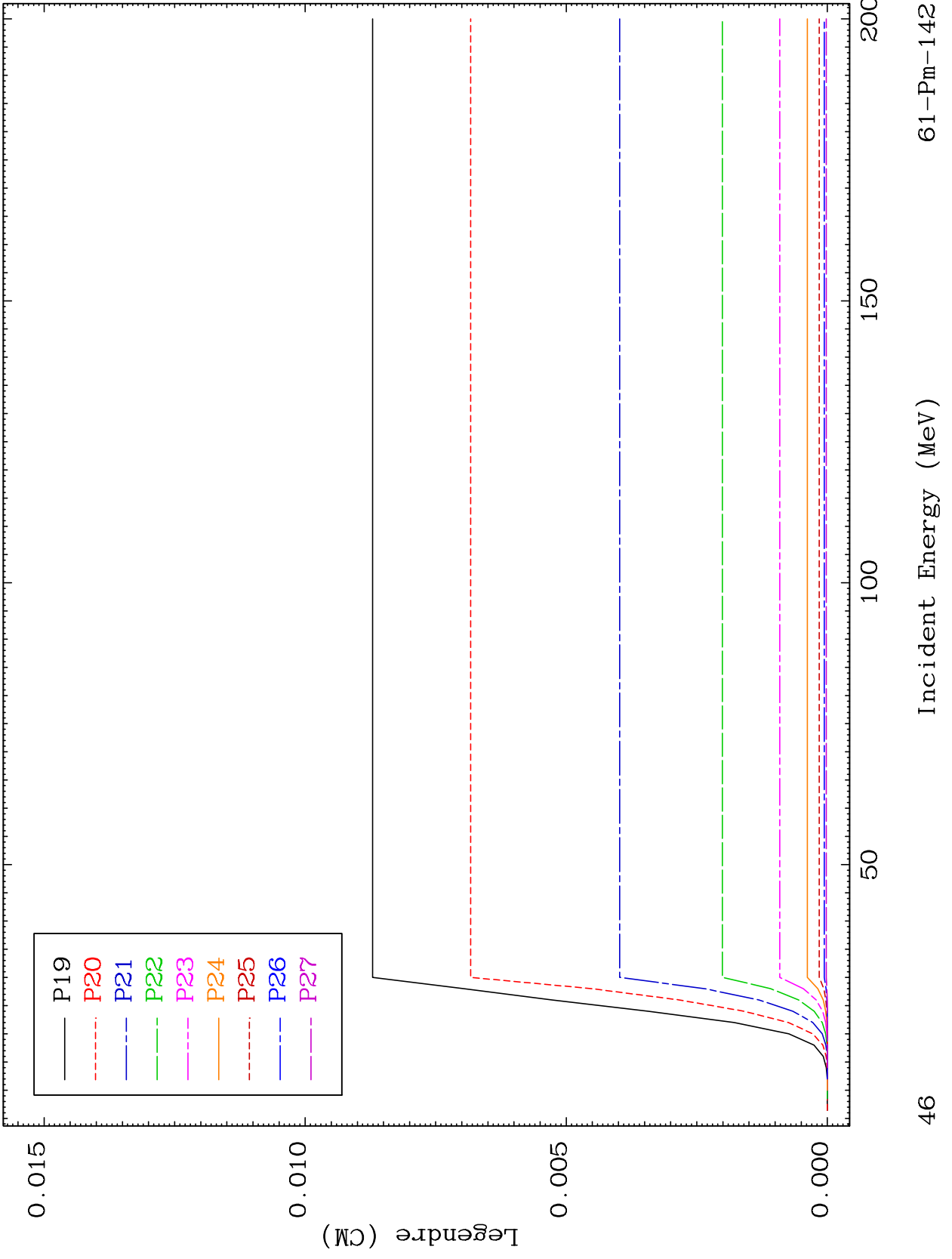
Incident Energy (MeV)

44

MAT 6134

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

61-Pm-142



46

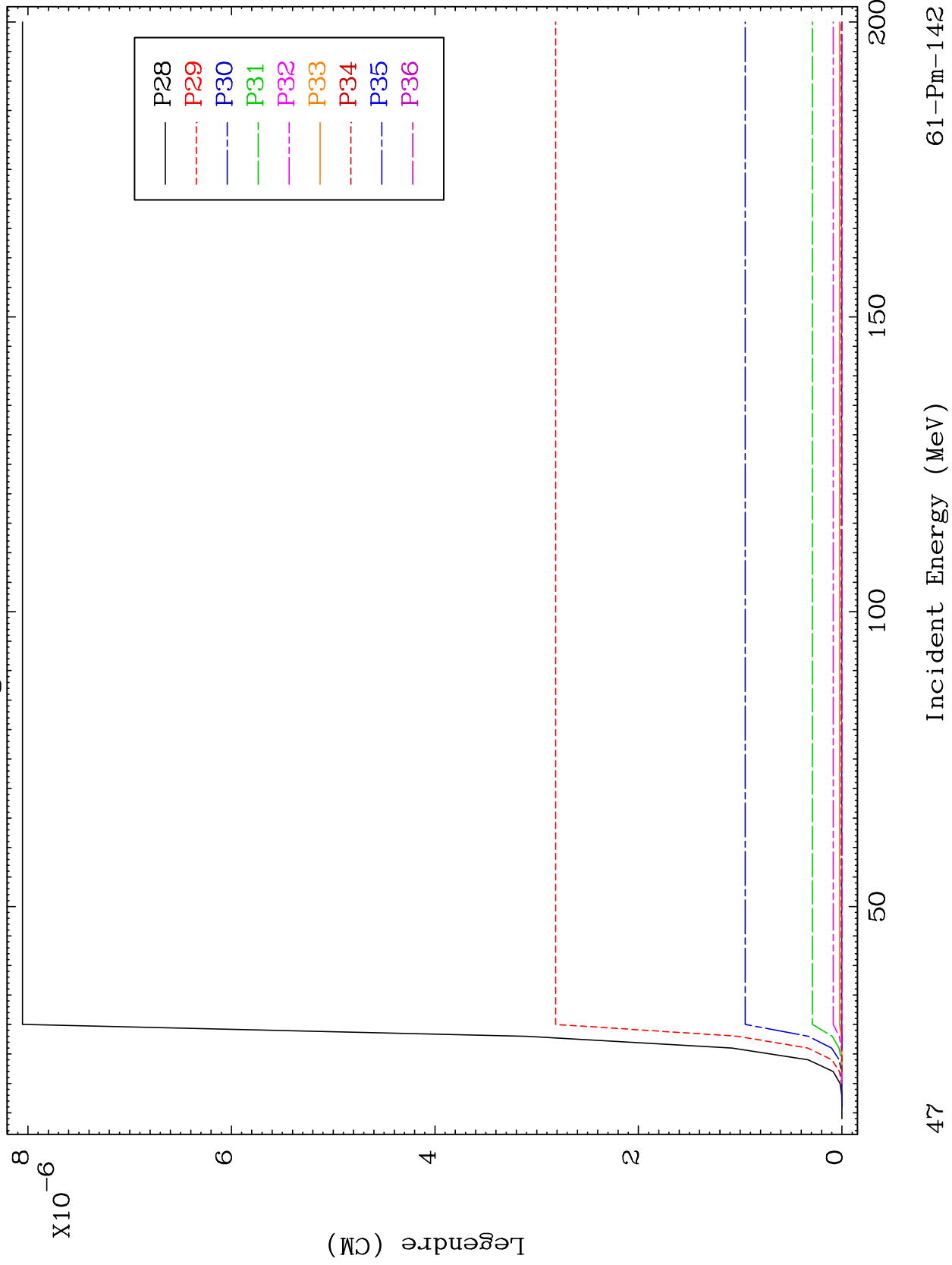
Incident Energy (MeV)

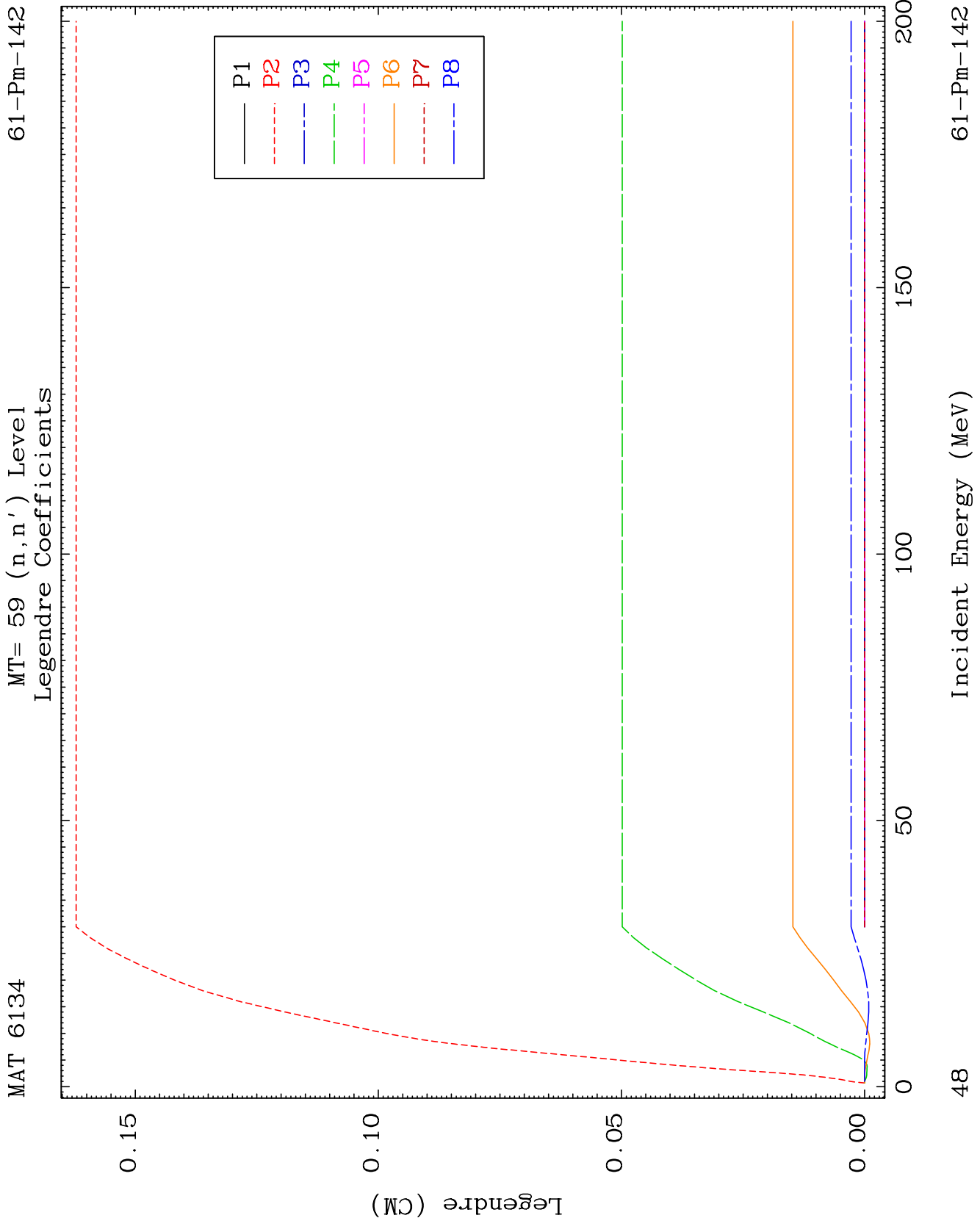
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MAT 6134

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

61-Pm-142

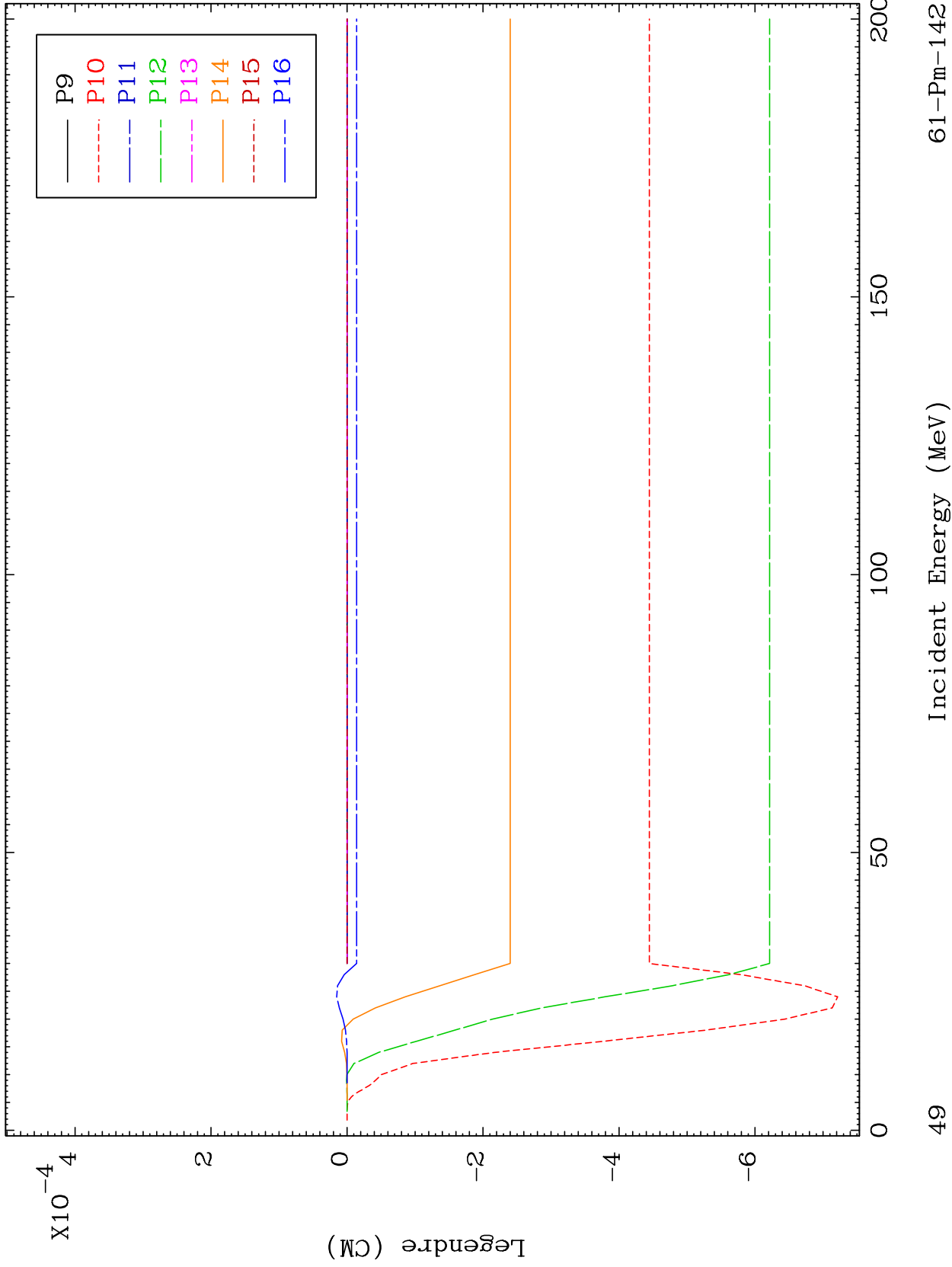




MAT 6134

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

61-Pm-142



61-Pm-142

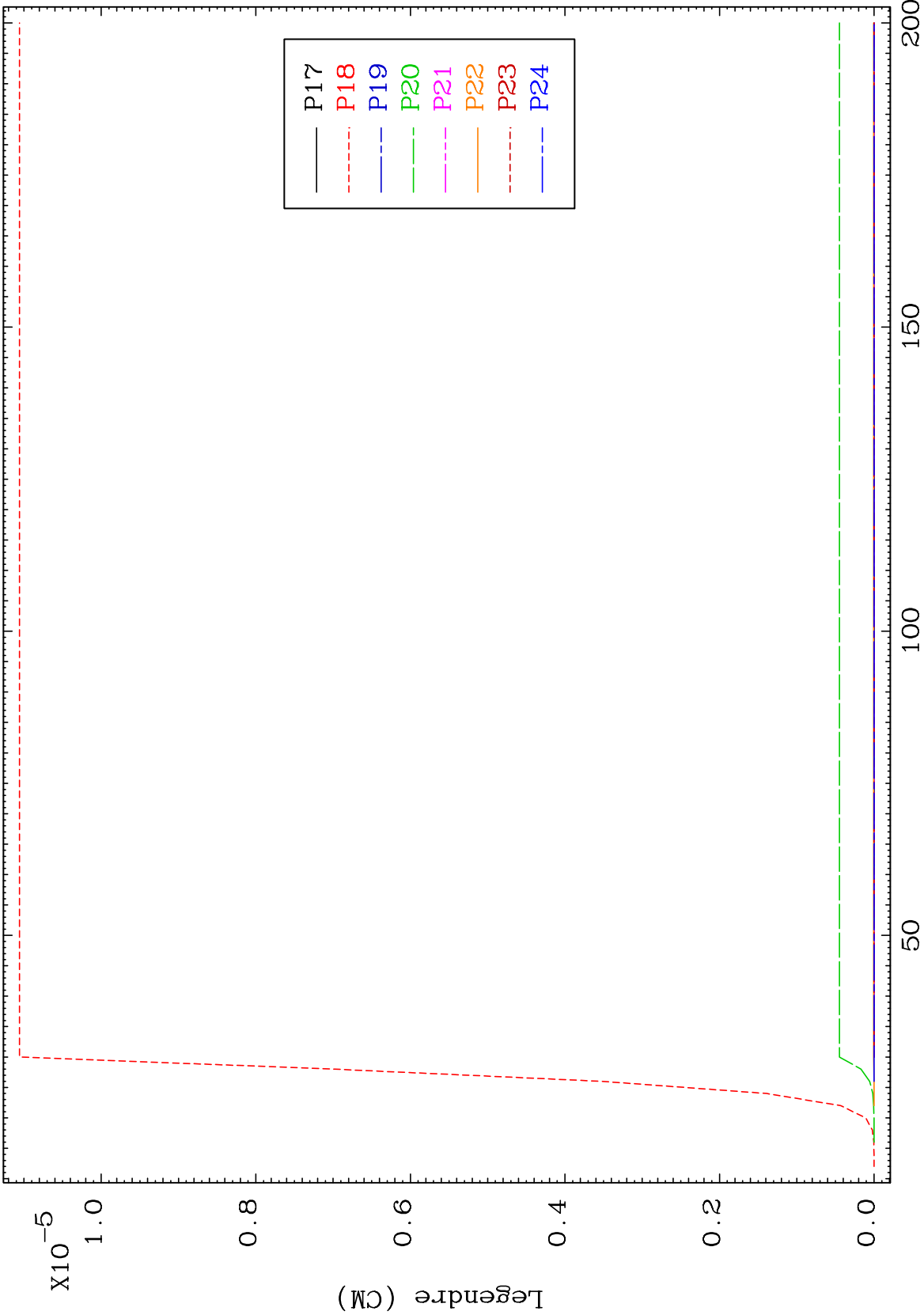
Incident Energy (MeV)

49

MAT 6134

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

61-Pm-142



61-Pm-142

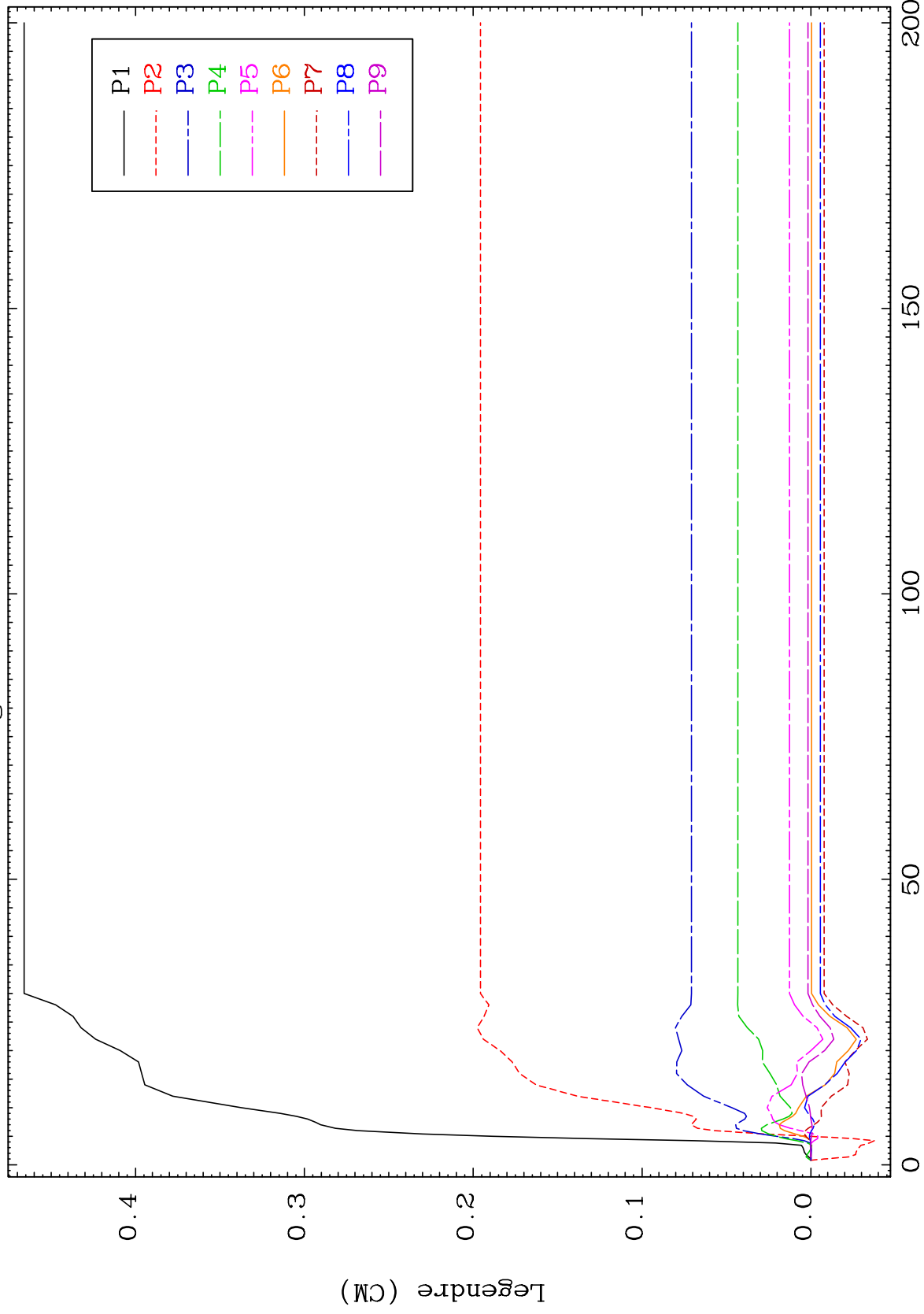
Incident Energy (MeV)

50

MAT 6134

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

61-Pm-142



51

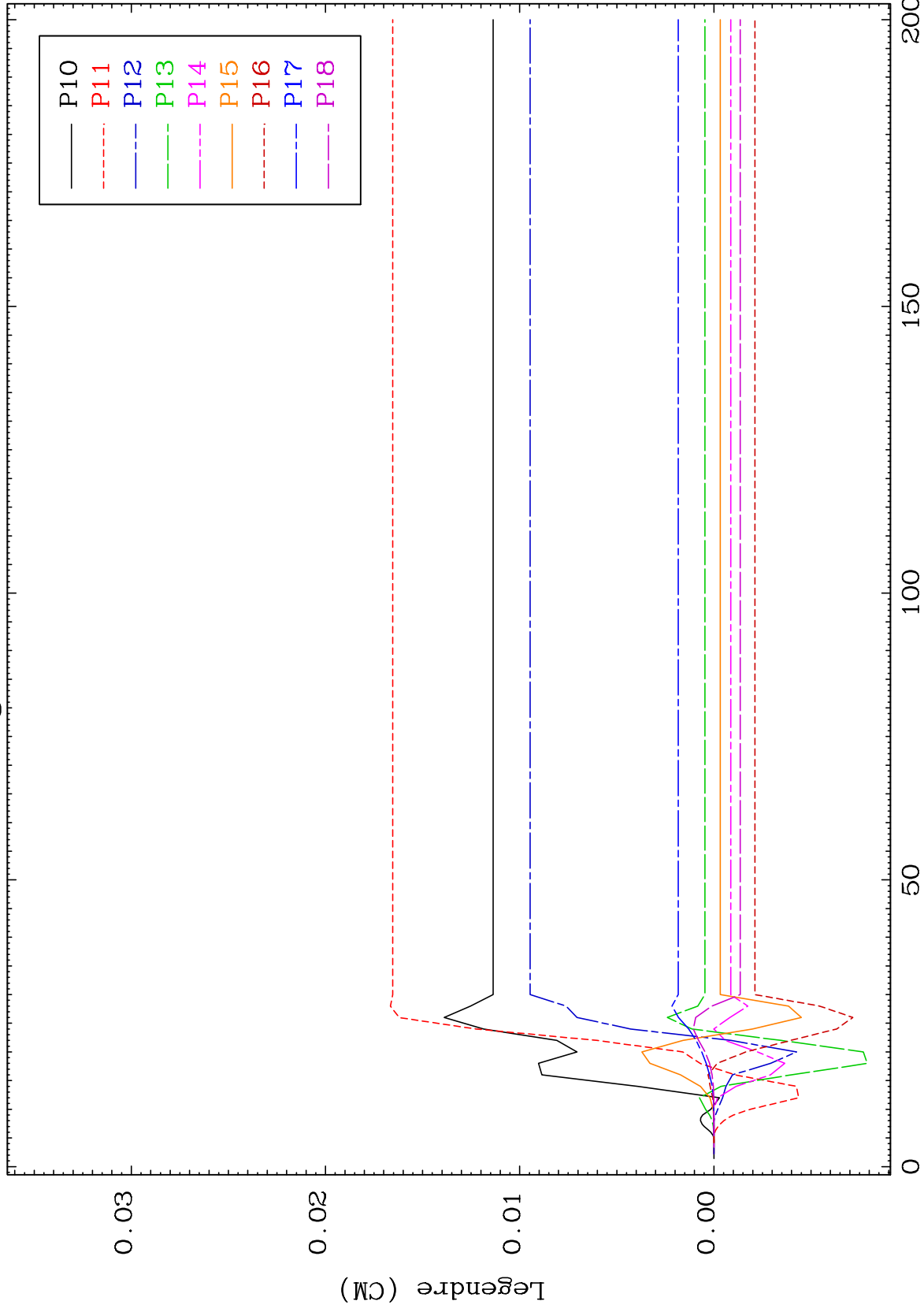
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

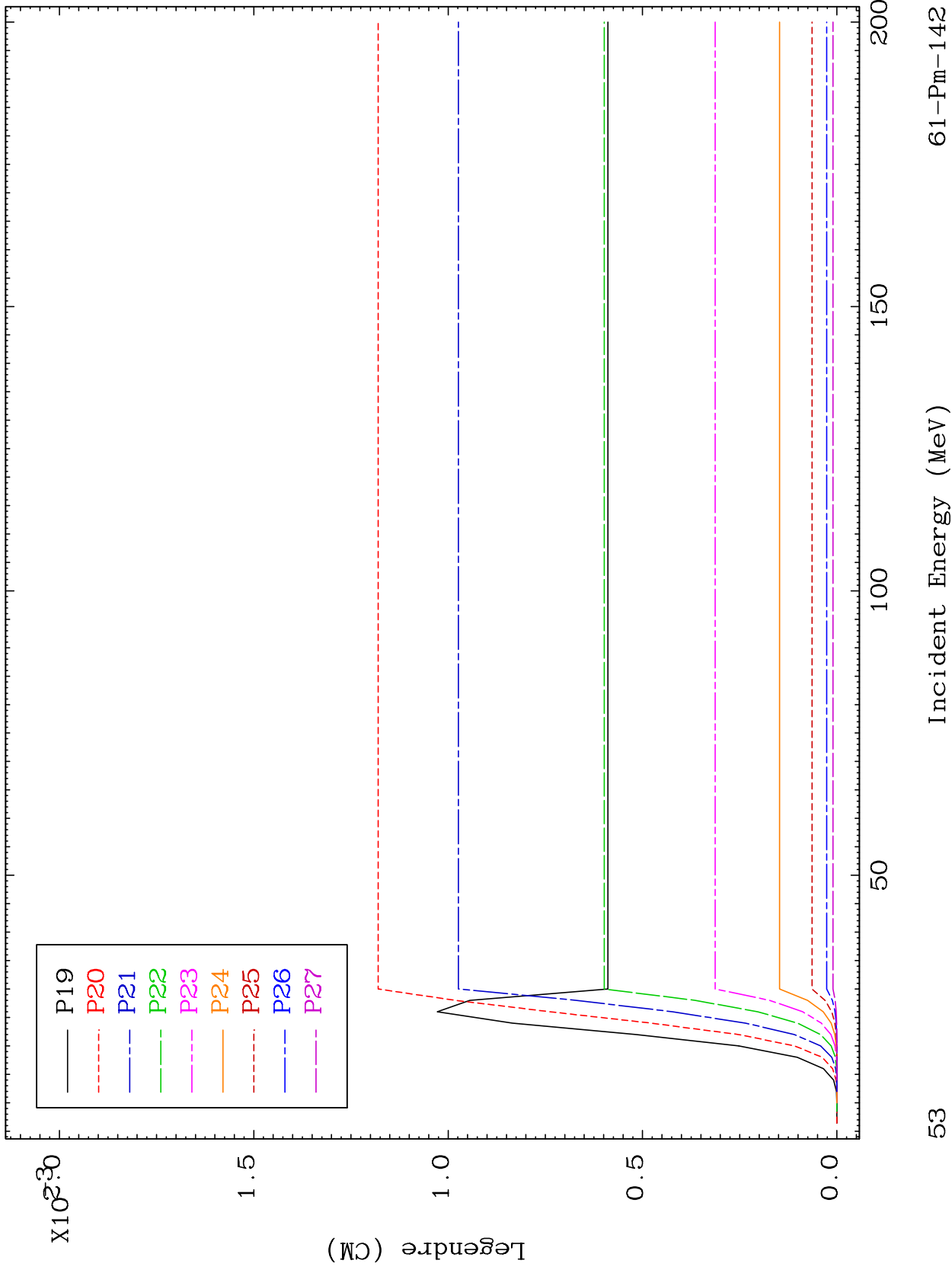
61-Pm-142



52

Incident Energy (MeV)

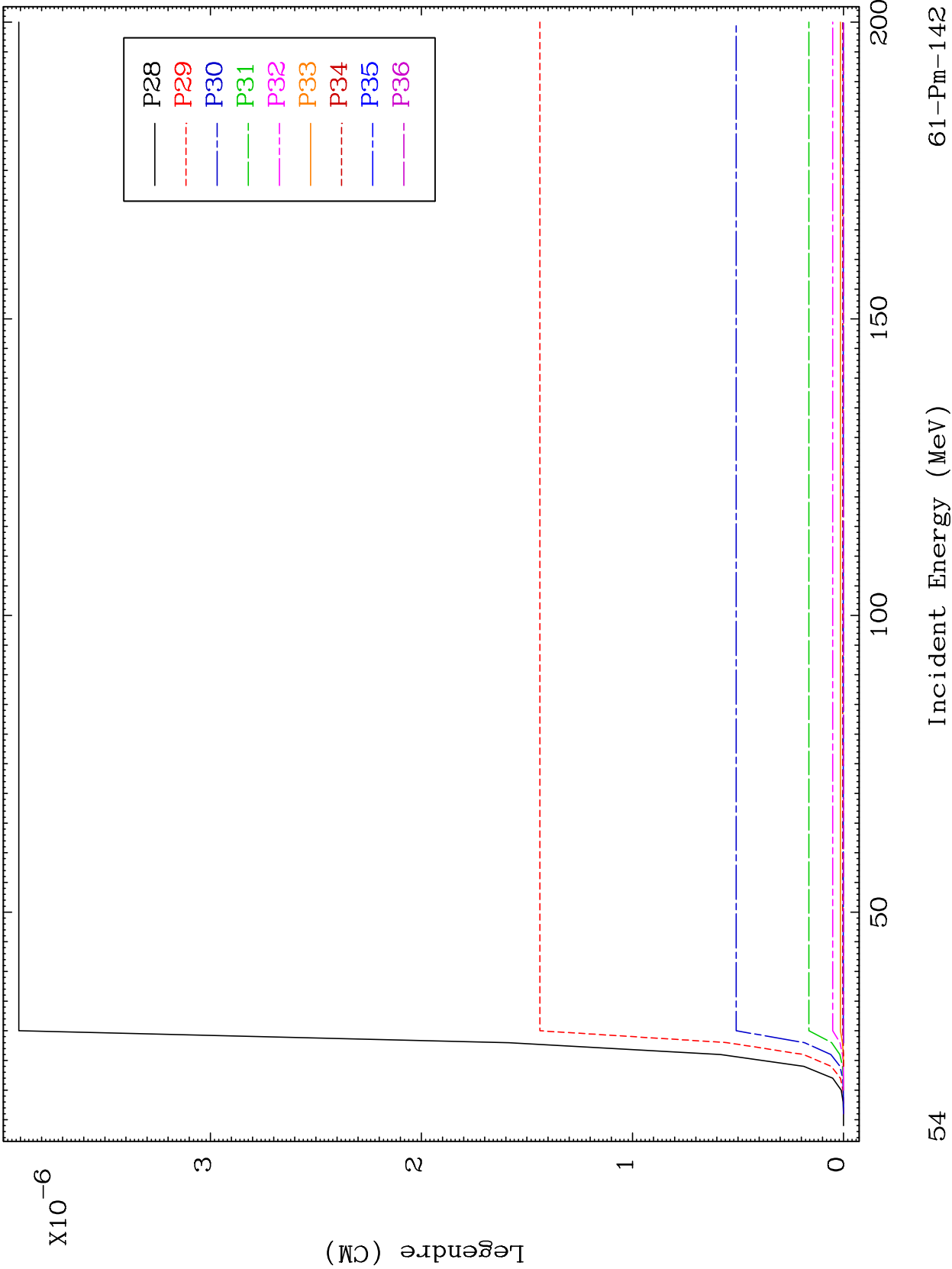
61-Pm-142



MAT 6134

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

61-Pm-142



54

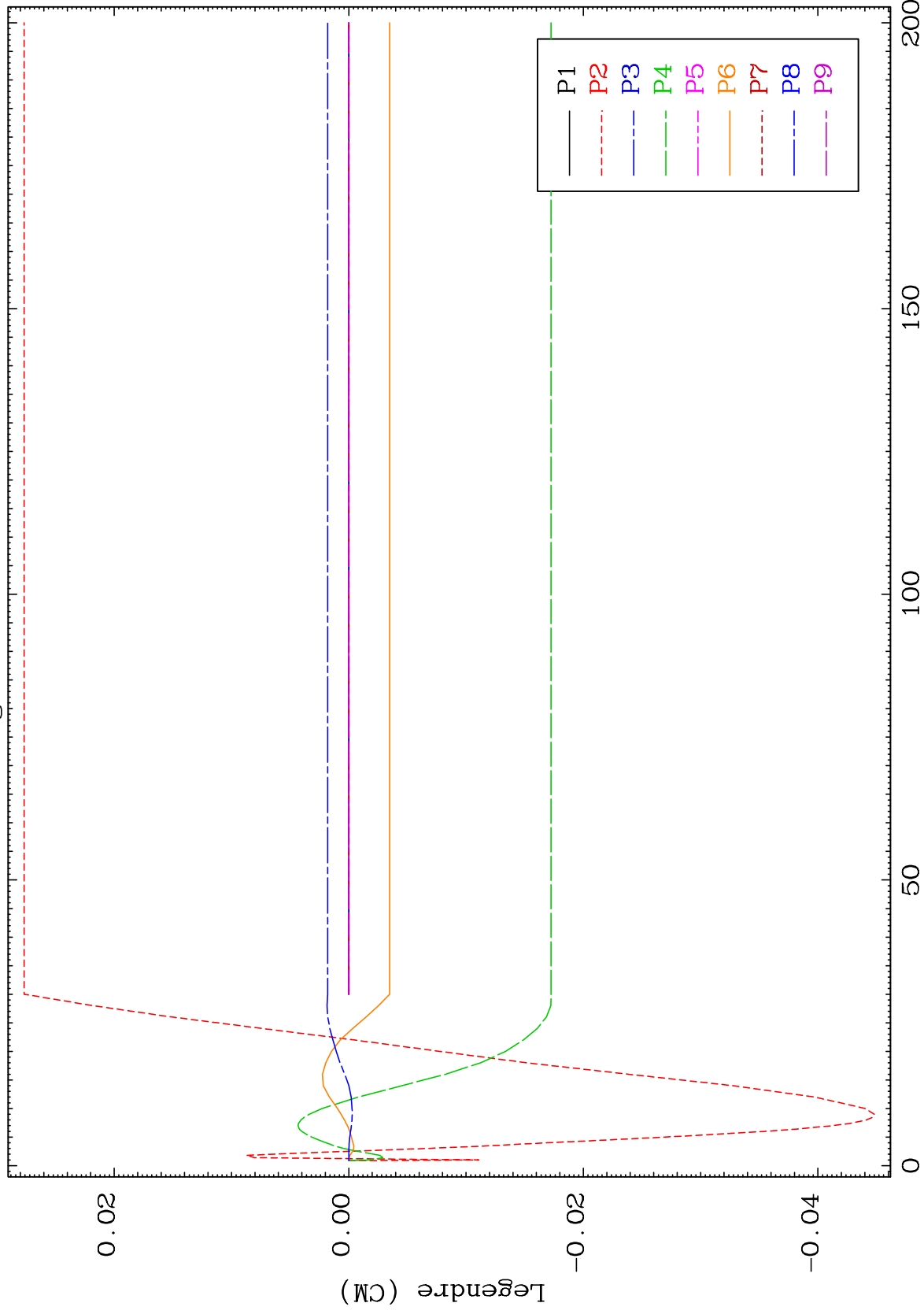
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

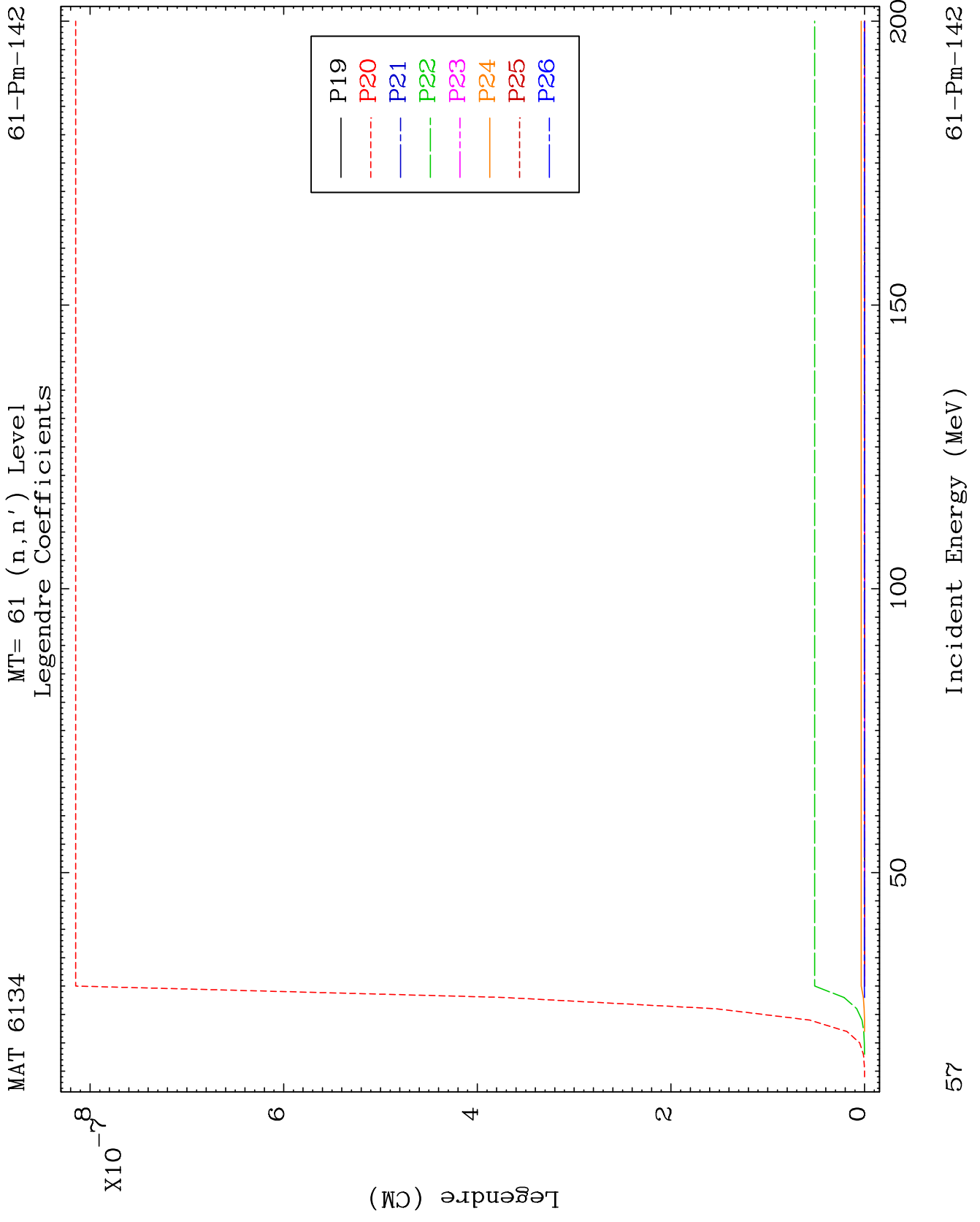
61-Pm-142



61-Pm-142

Incident Energy (MeV)

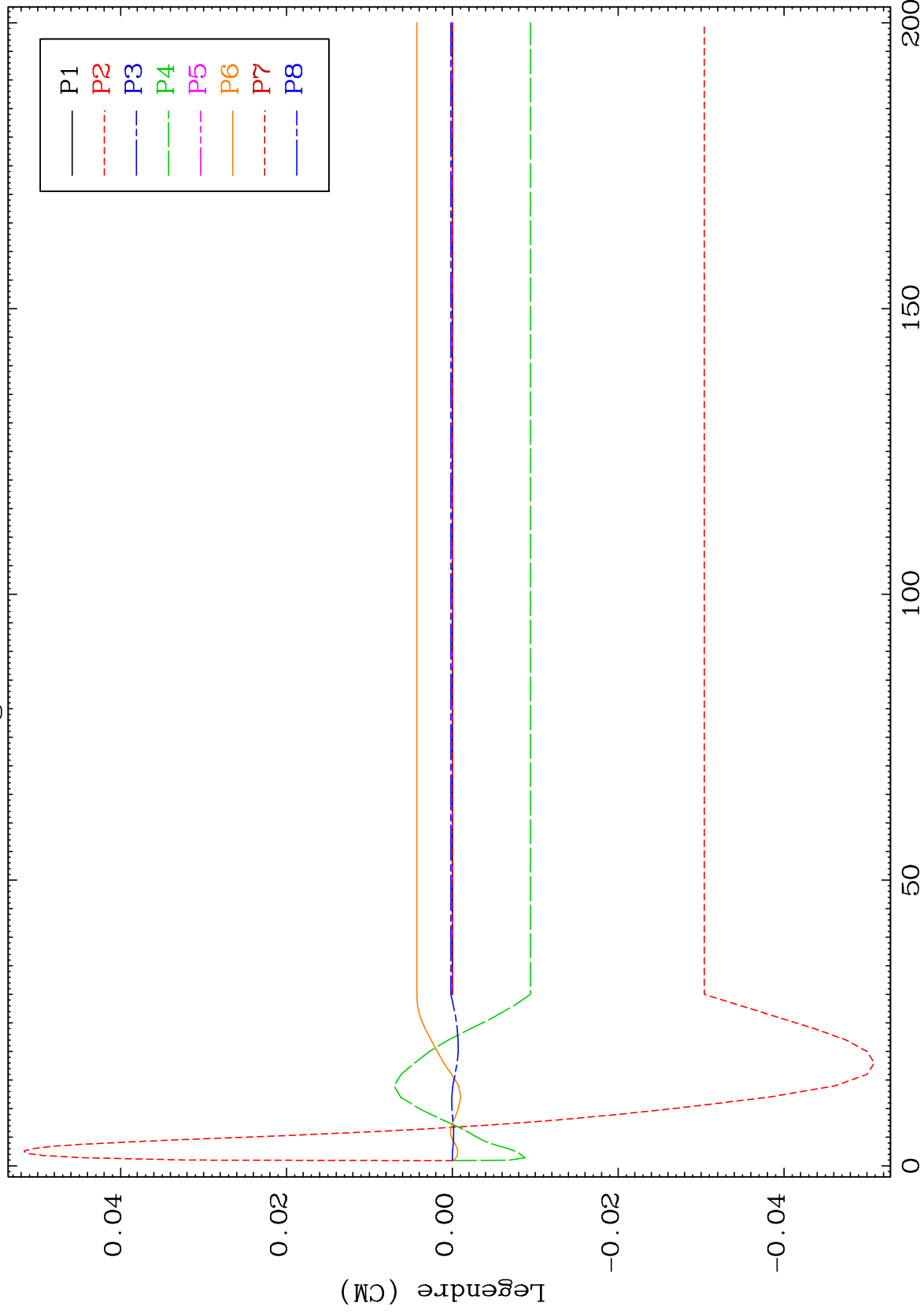
55



MAT 6134

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

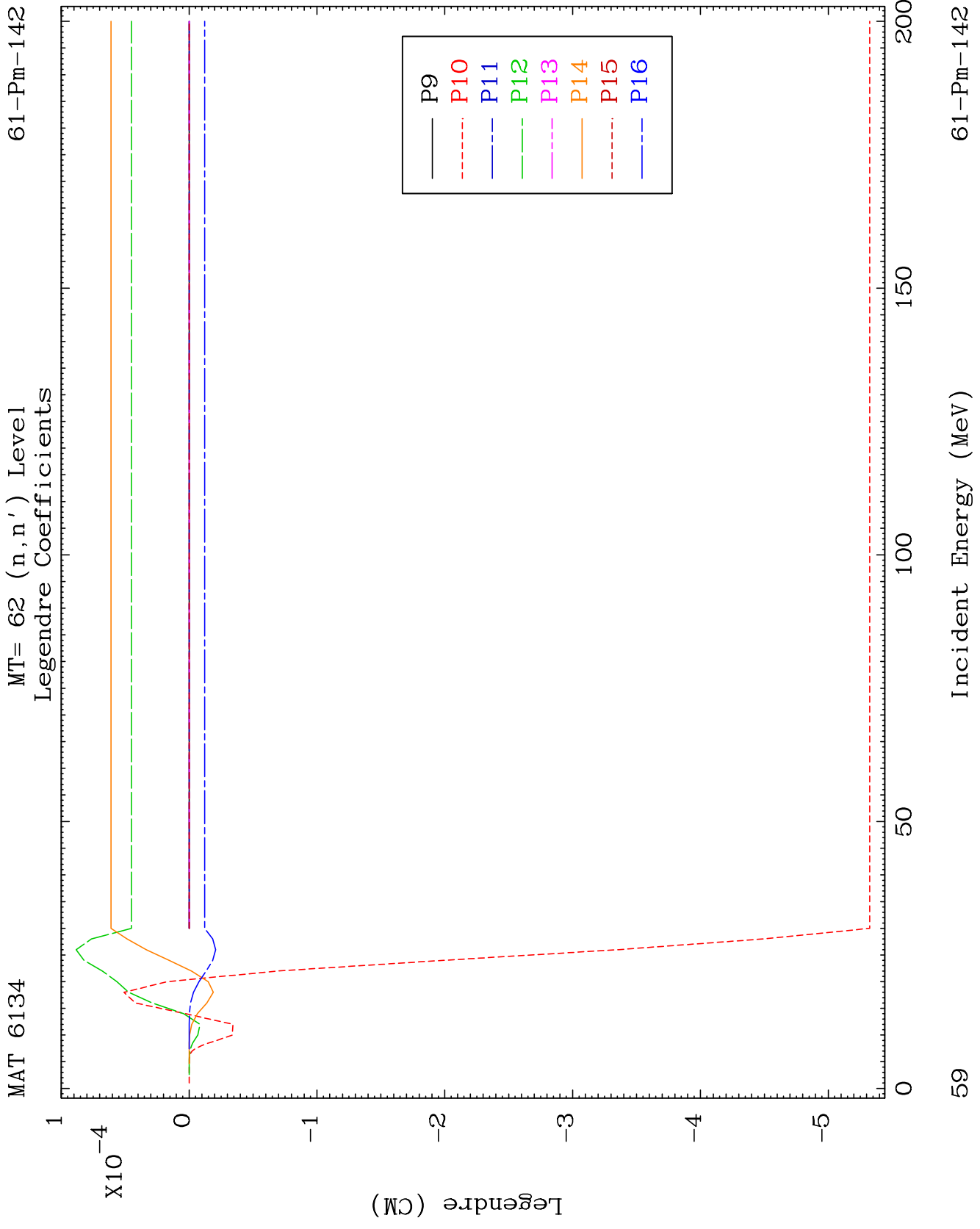
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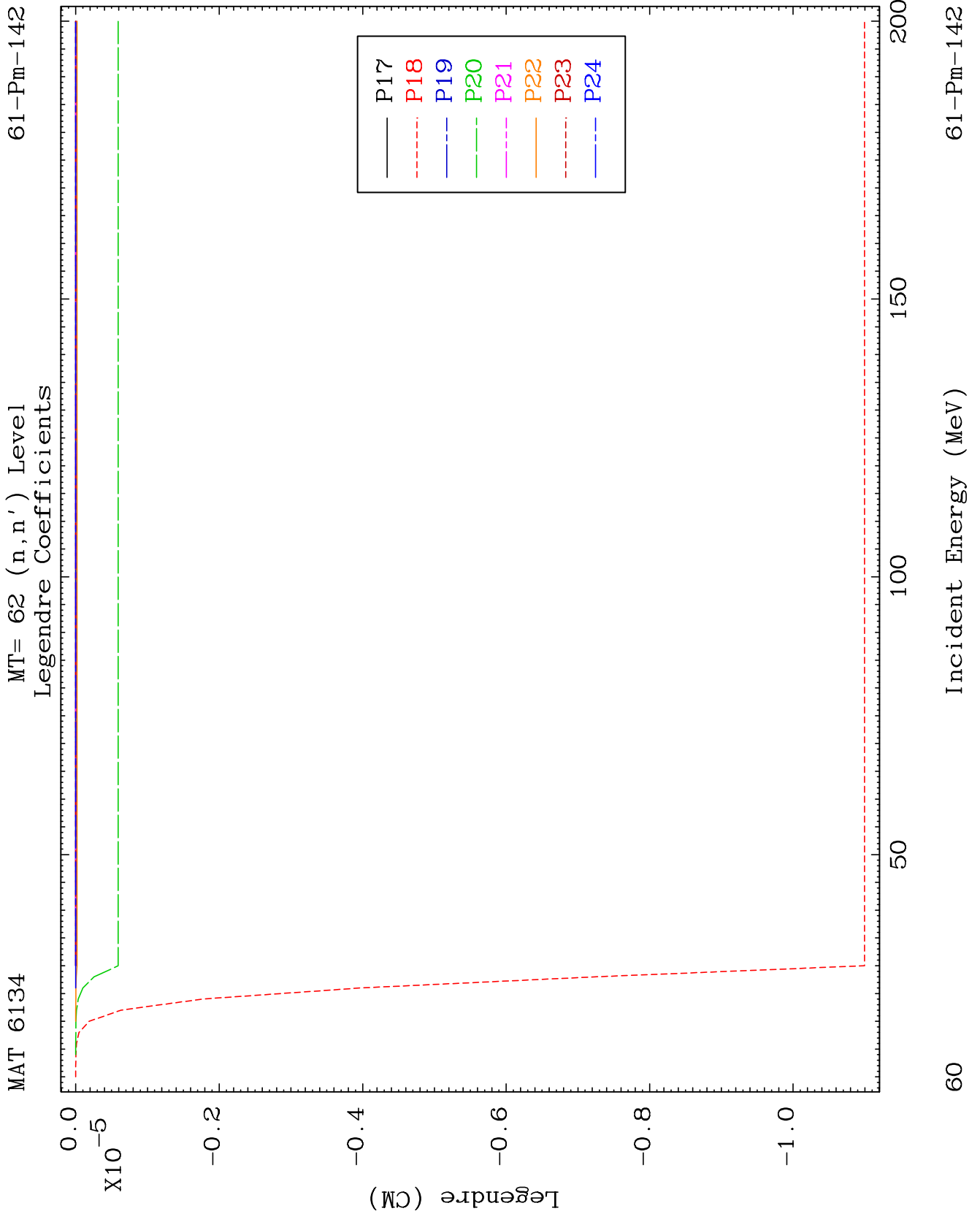


58

Incident Energy (MeV)

61-Pm-142

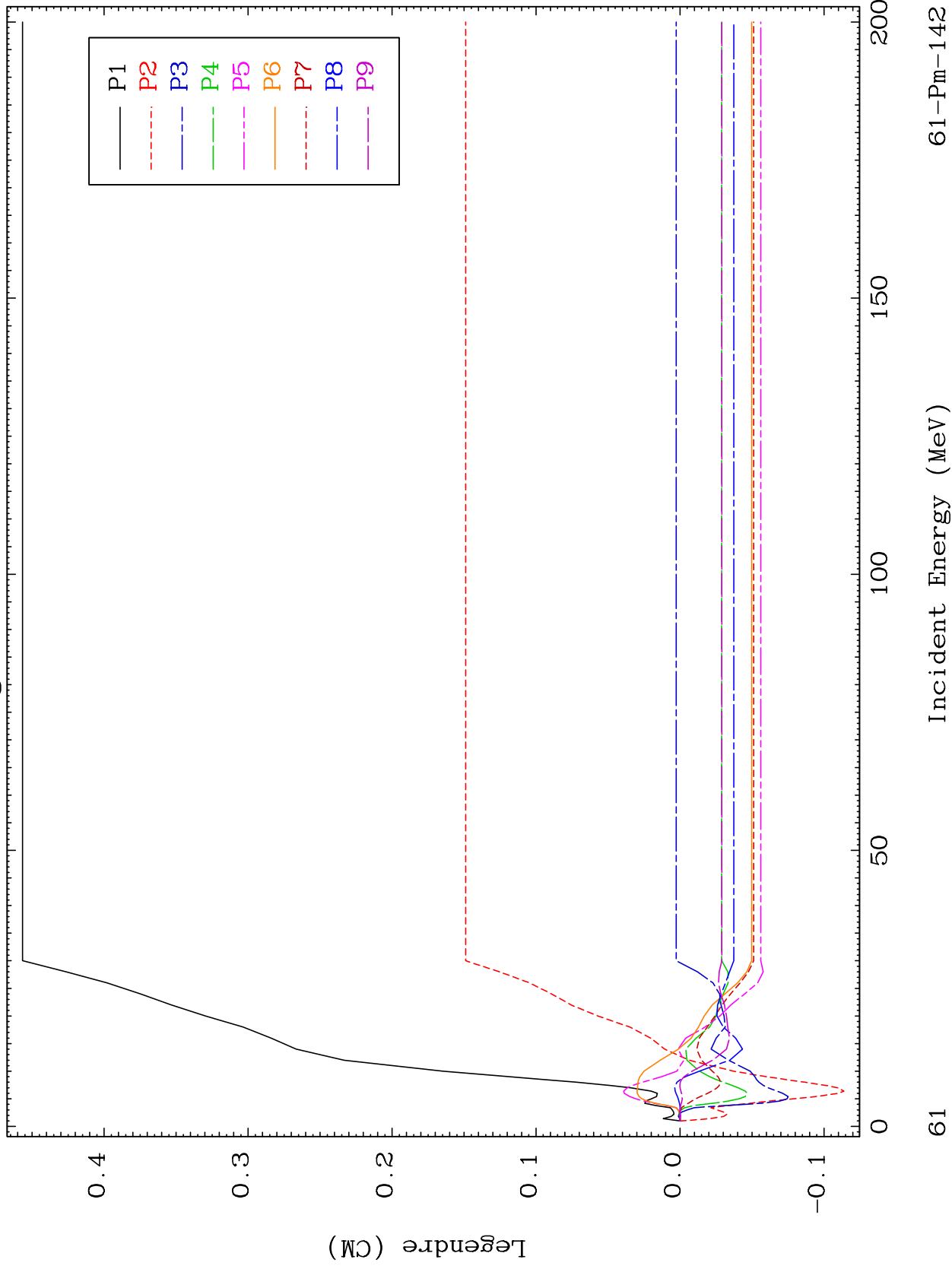




MAT 6134

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

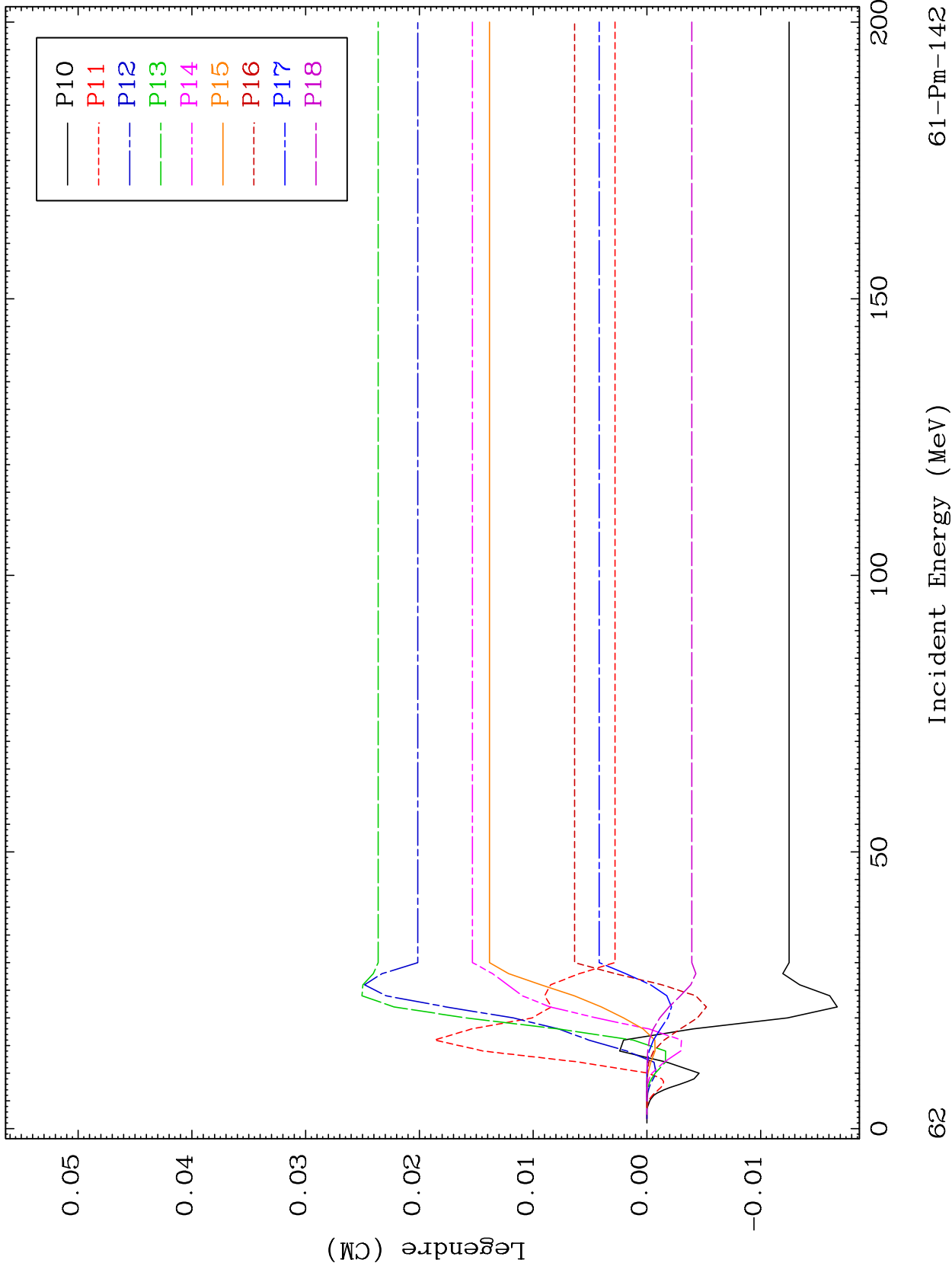
61-Pm-142



MAT 6134

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

61-Pm-142



61-Pm-142

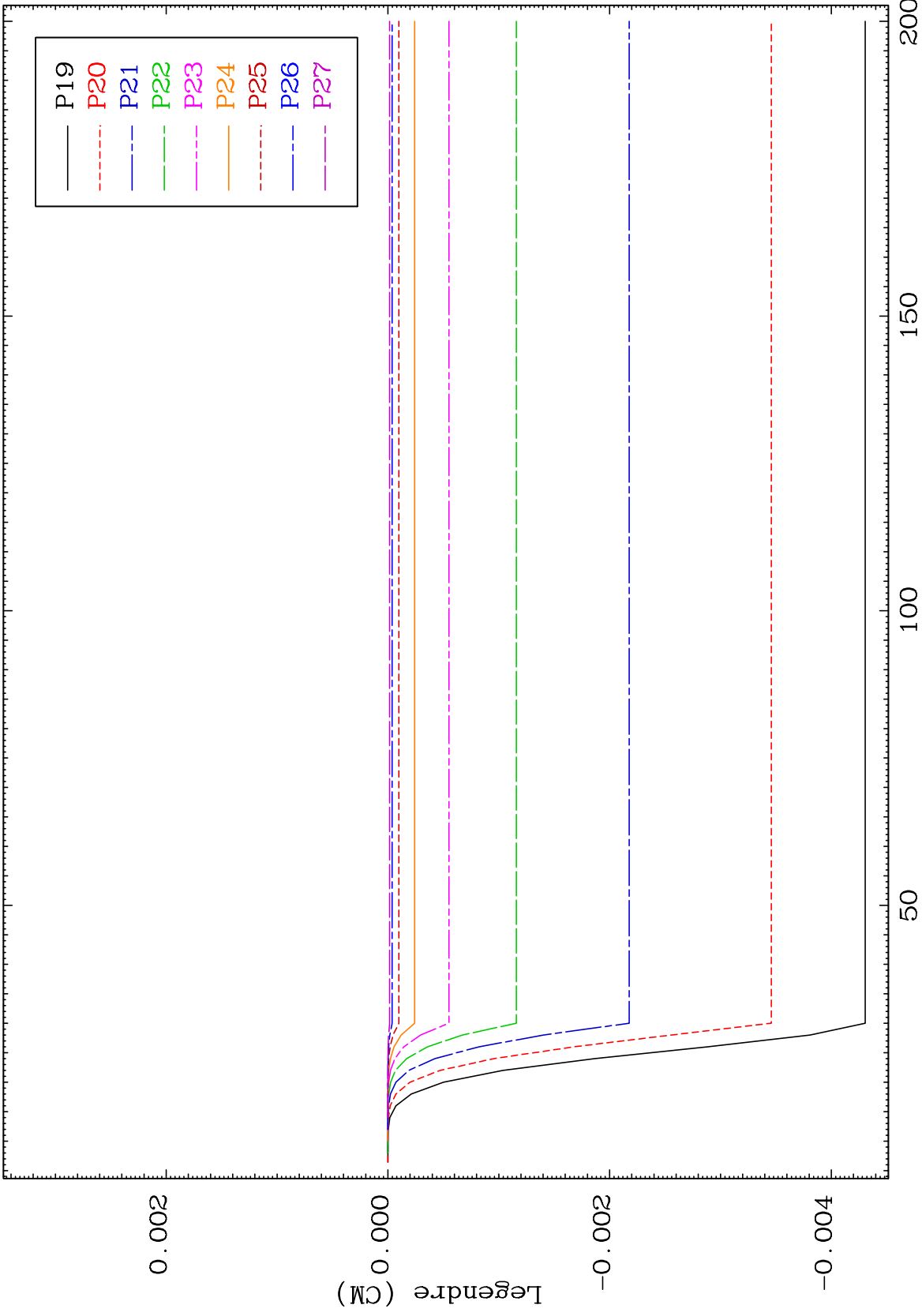
Incident Energy (MeV)

62

MAT 6134

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

61-Pm-142



63

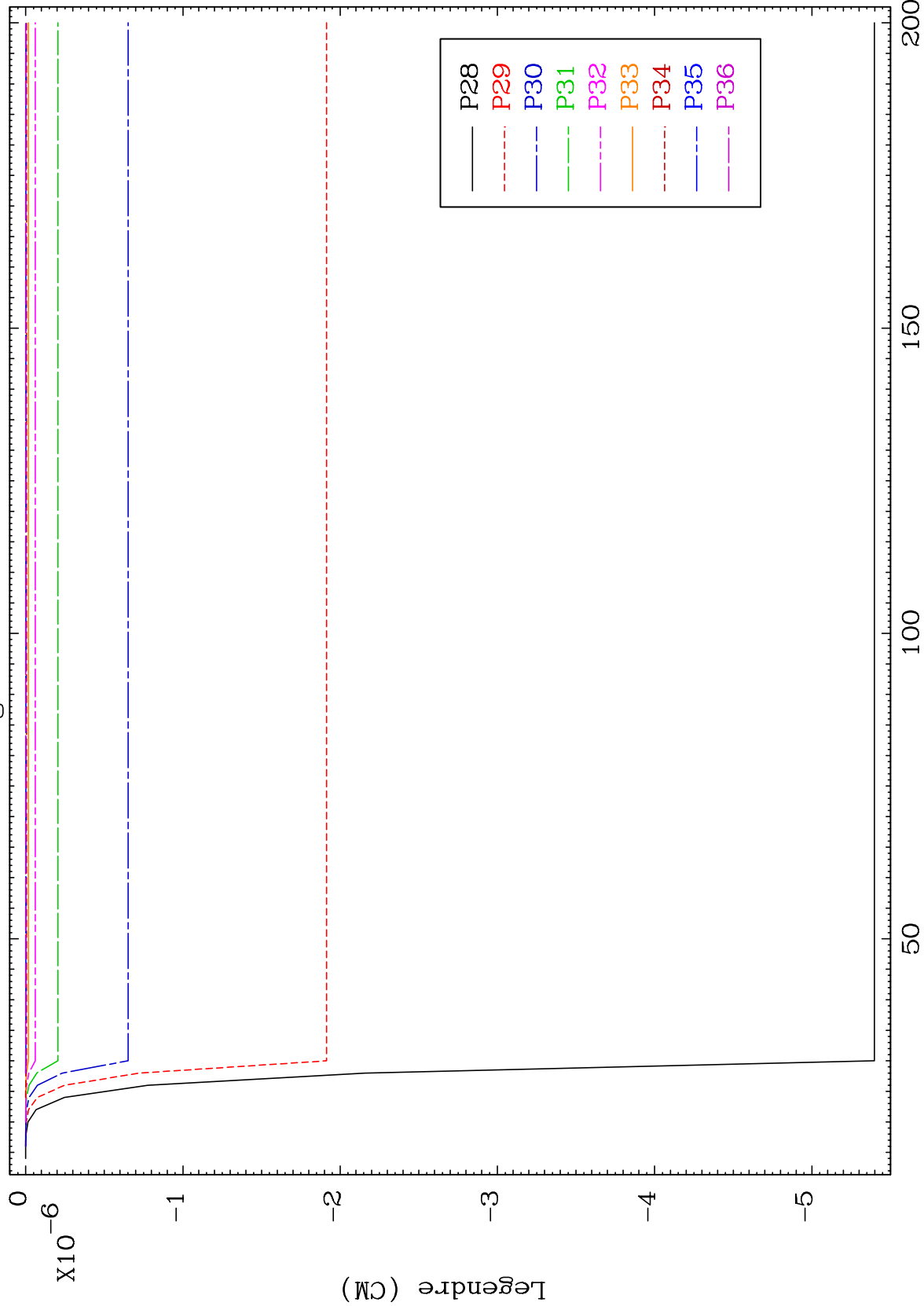
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



64

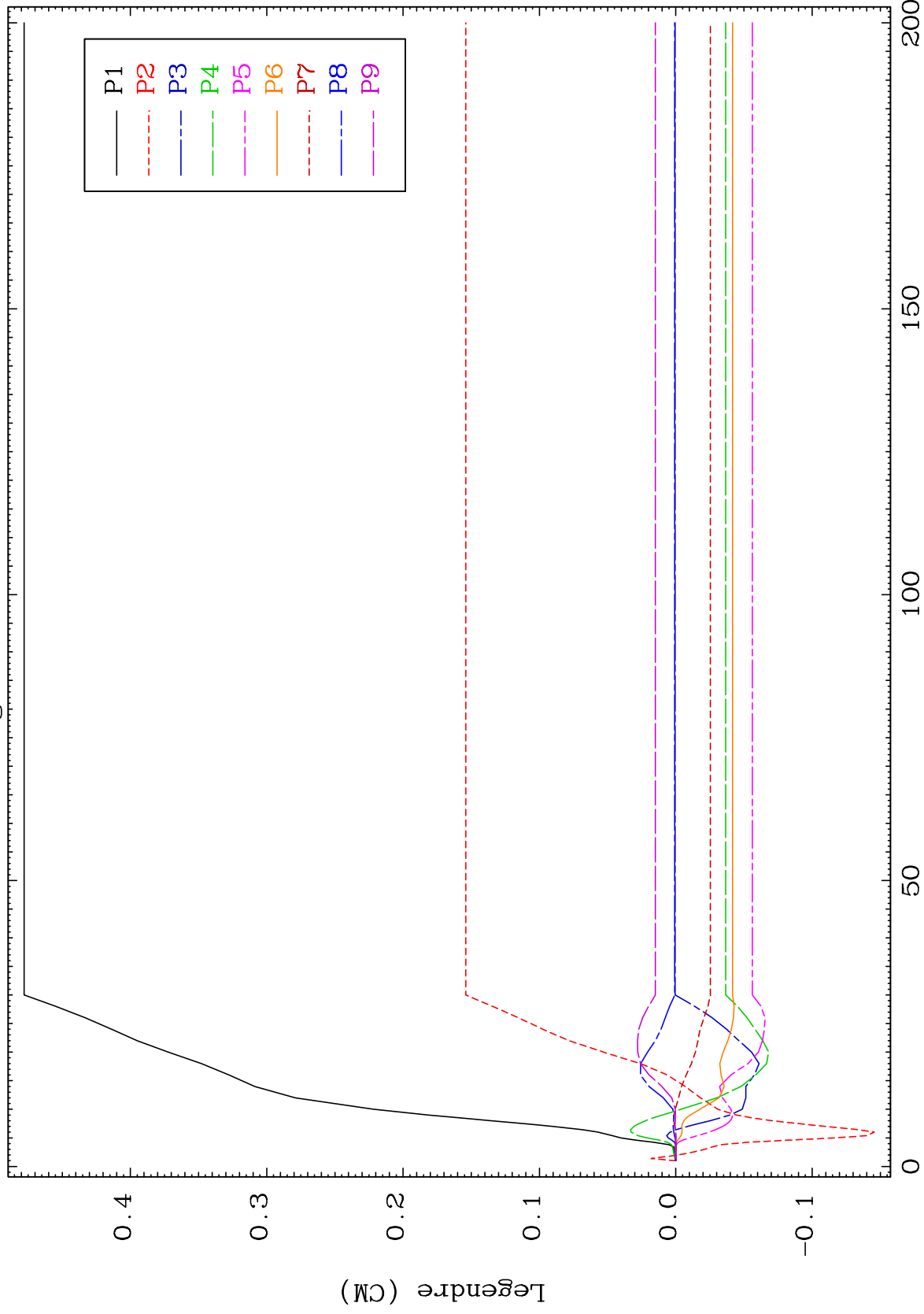
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



65

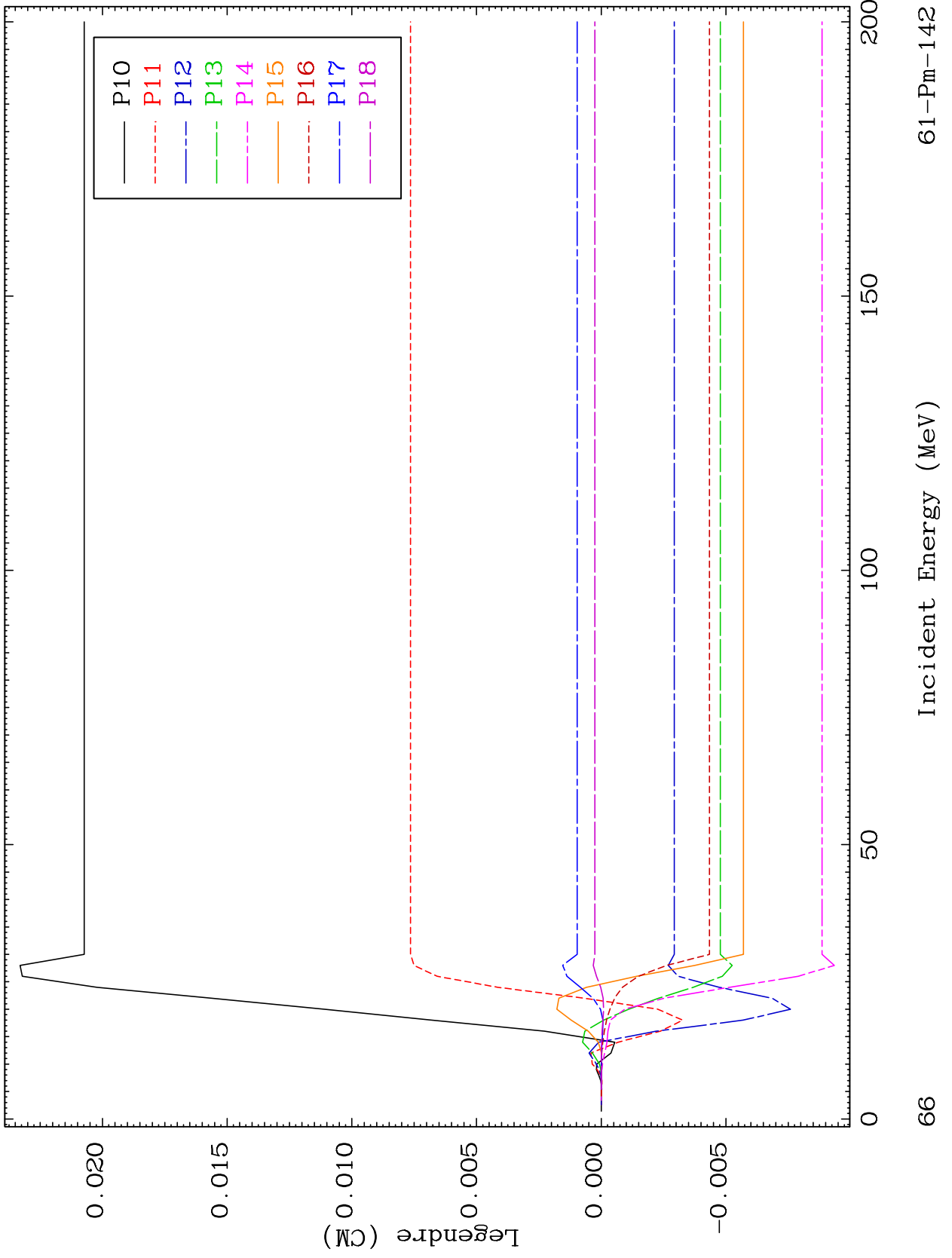
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



66

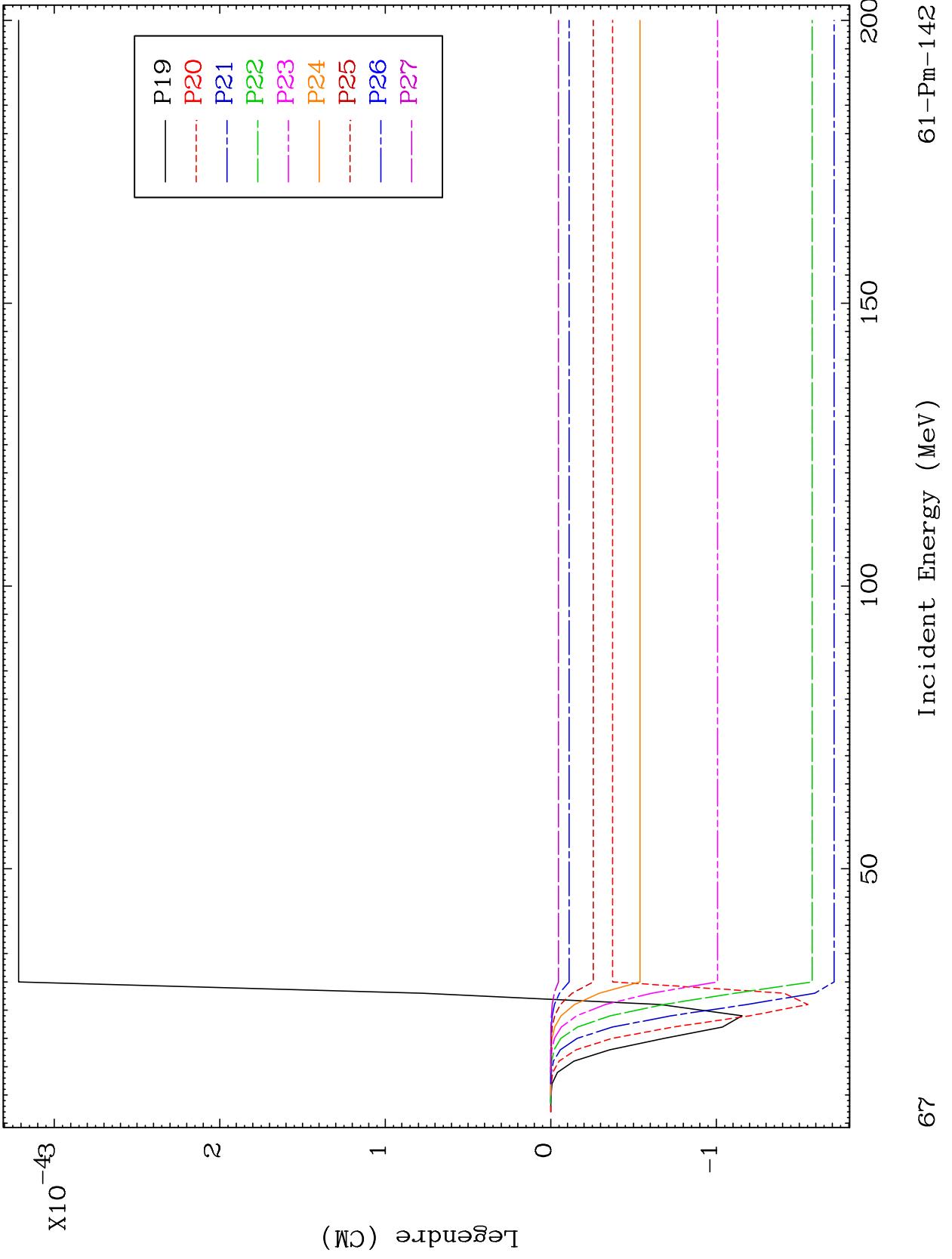
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

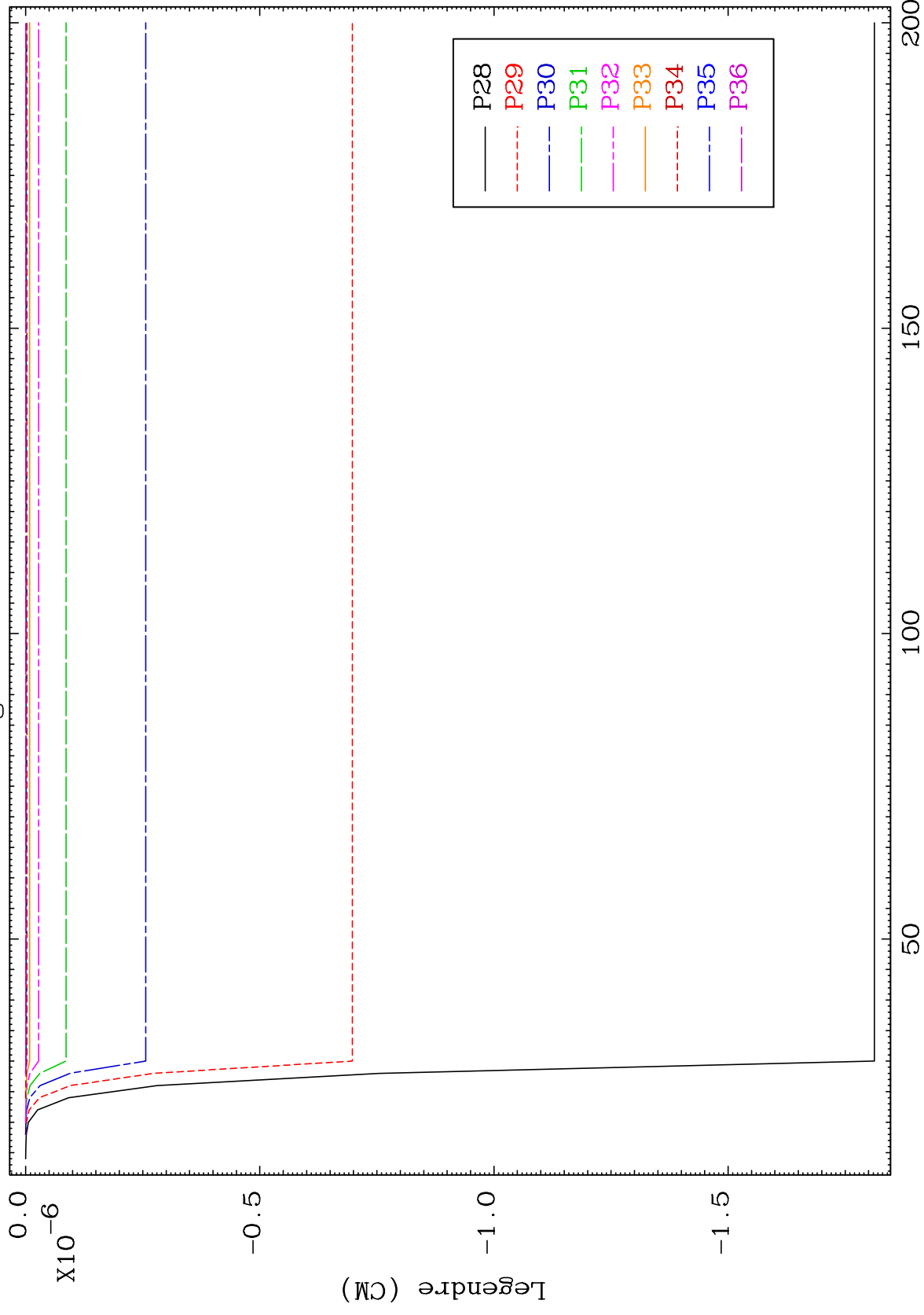
61-Pm-142



MAT 6134

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

61-Pm-142



68

Incident Energy (MeV)

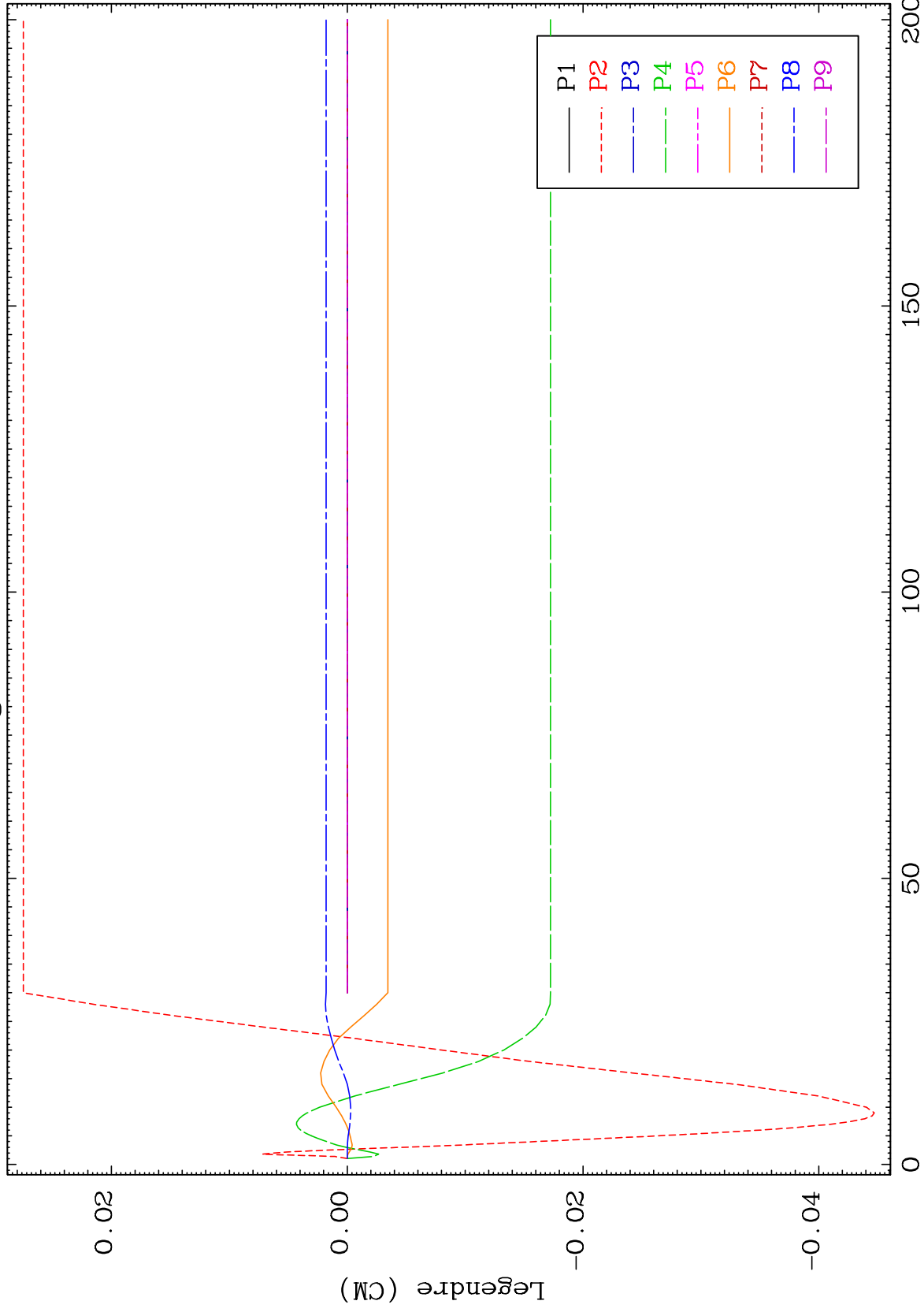
61-Pm-142

MAT 6134

MT= 65 (n,n') Level

61-Pm-142

Legendre Coefficients



69

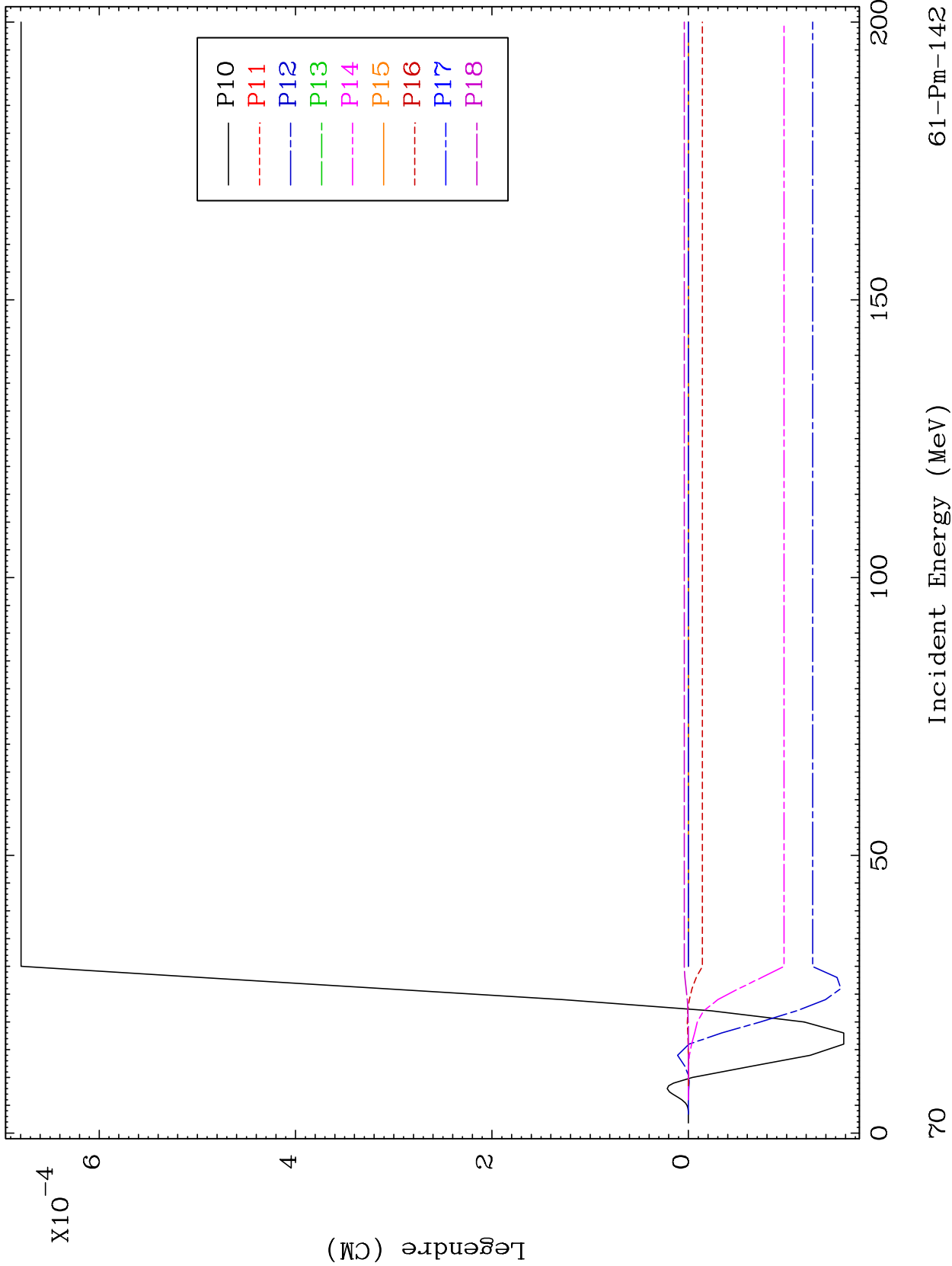
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

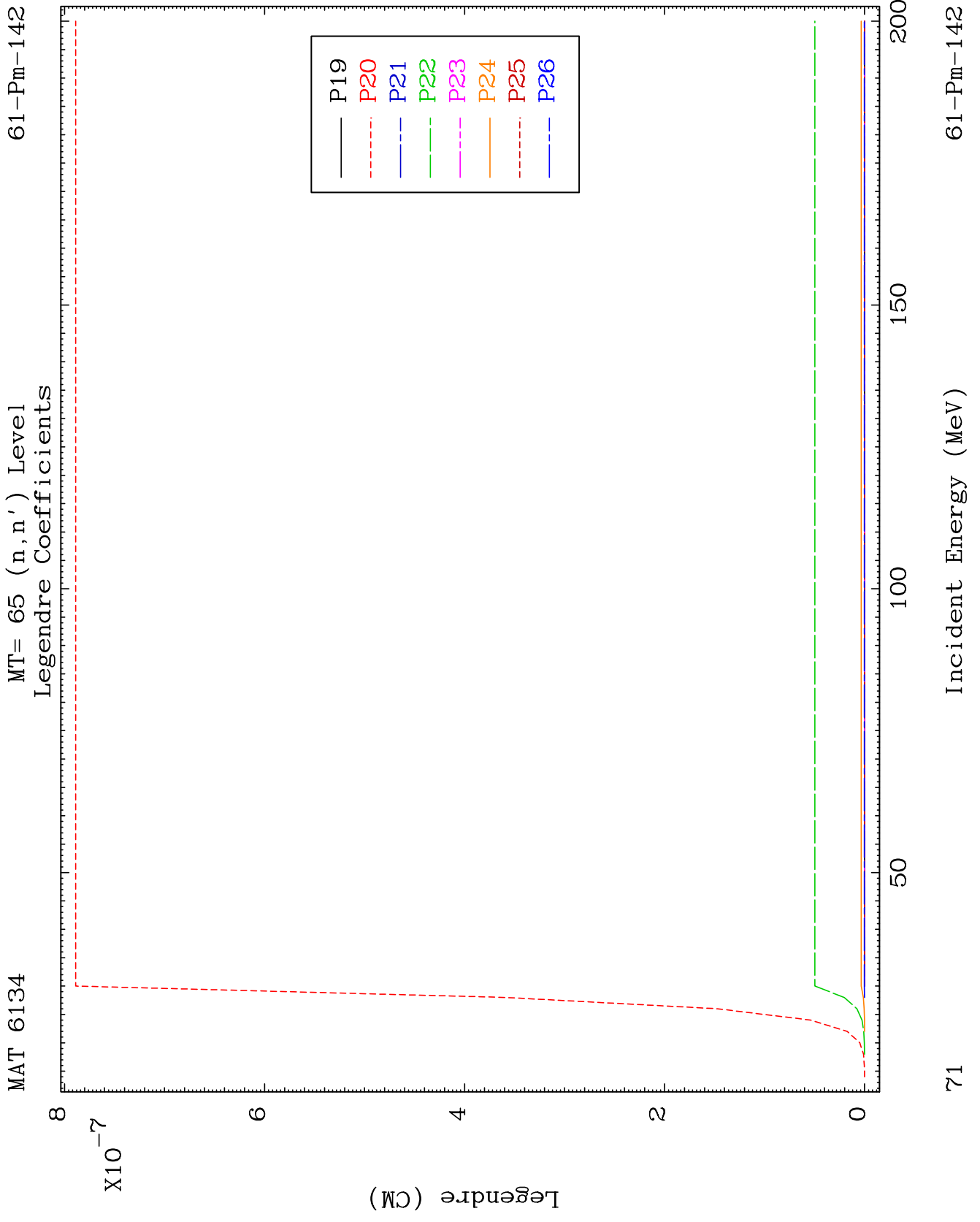
61-Pm-142



61-Pm-142

Incident Energy (MeV)

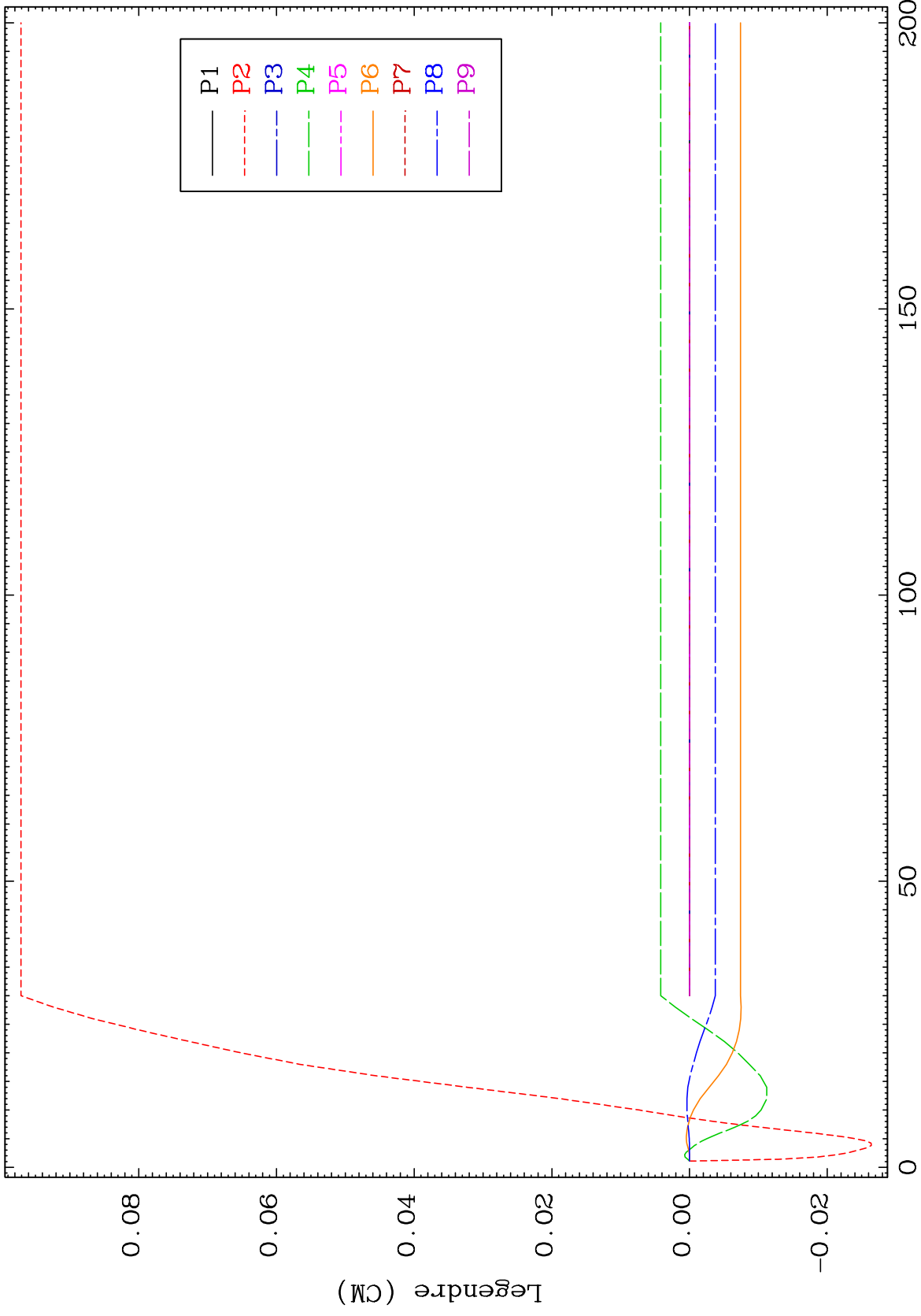
70



MAT 6134

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

61-Pm-142



72

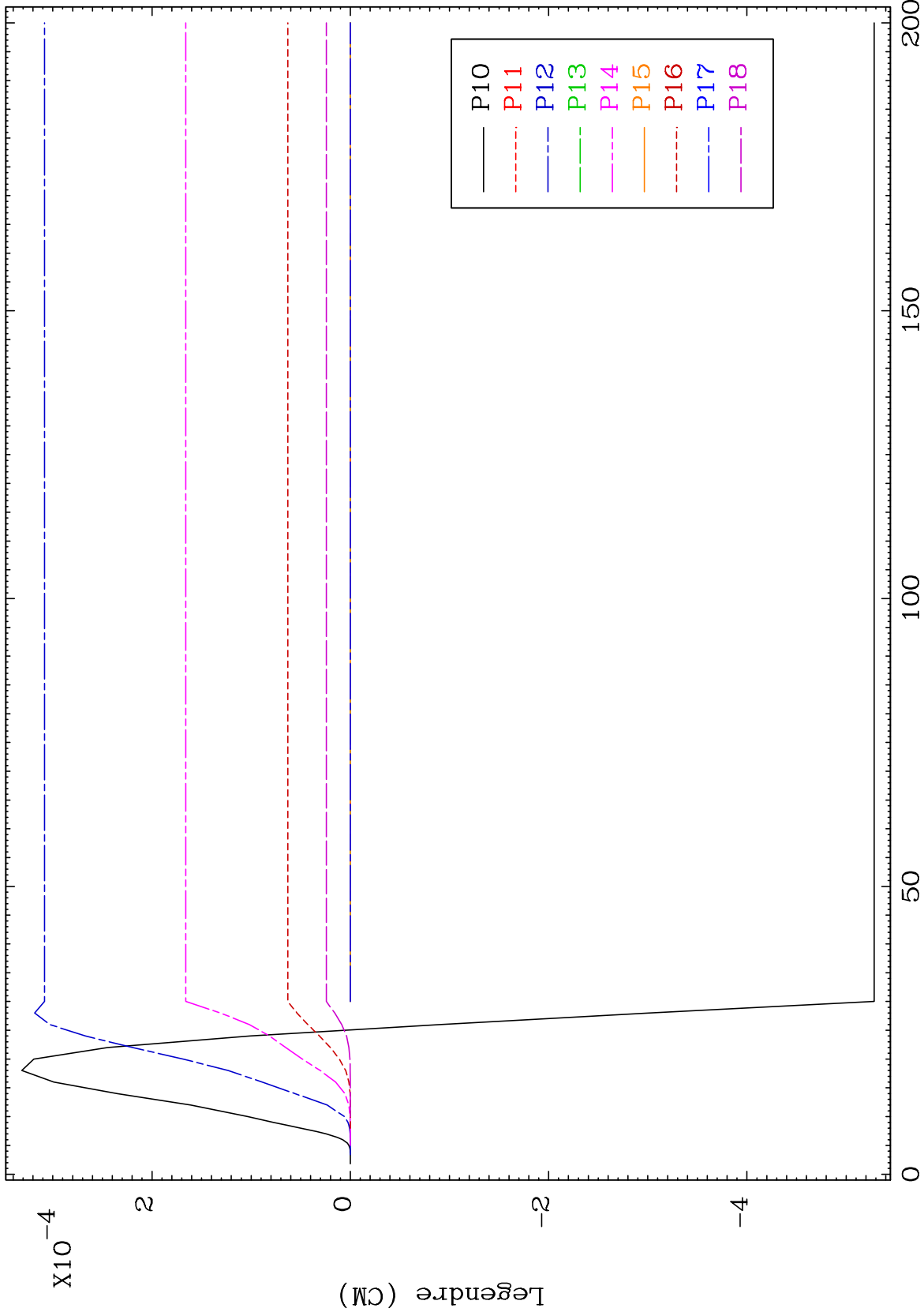
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

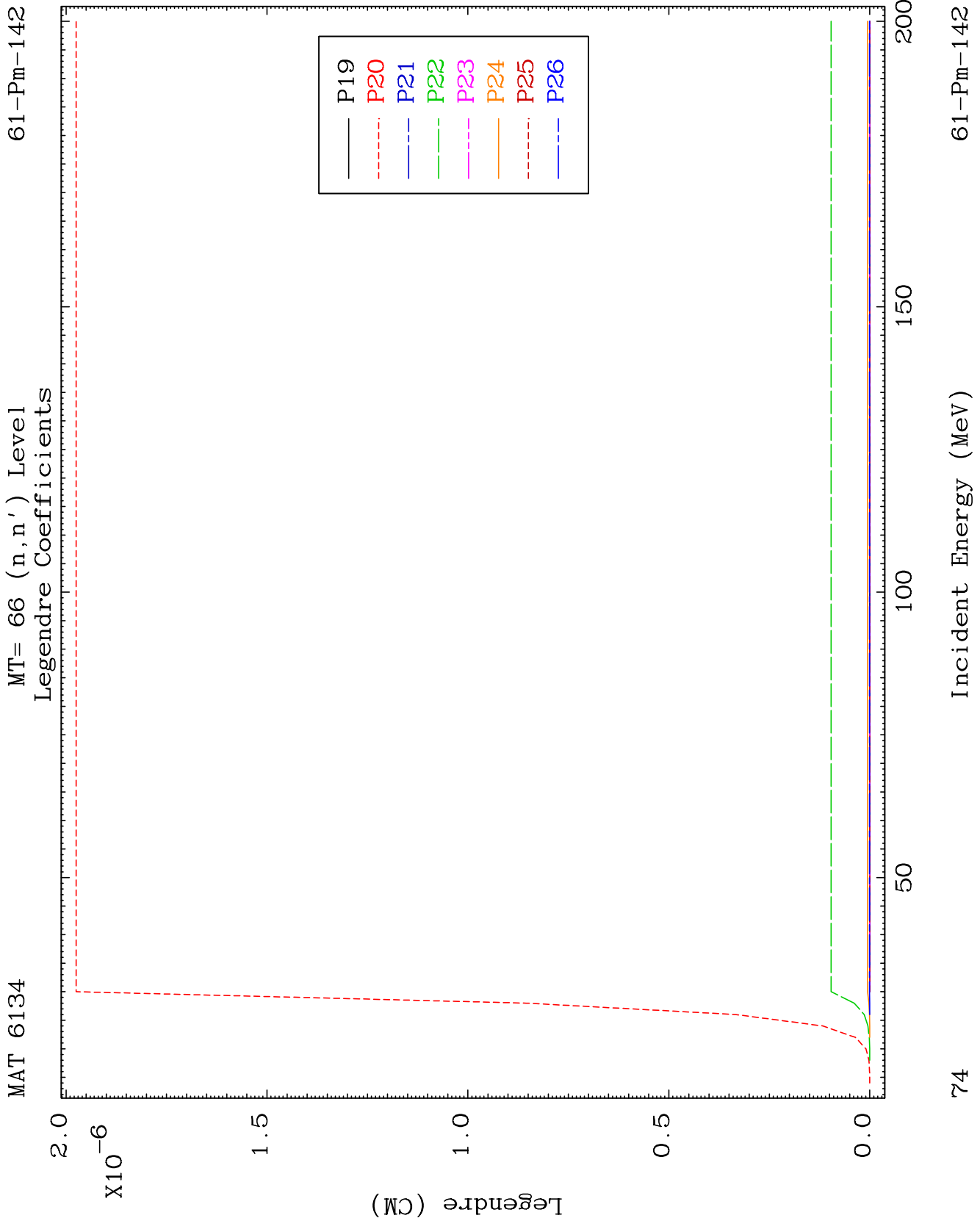
61-Pm-142



73

Incident Energy (MeV)

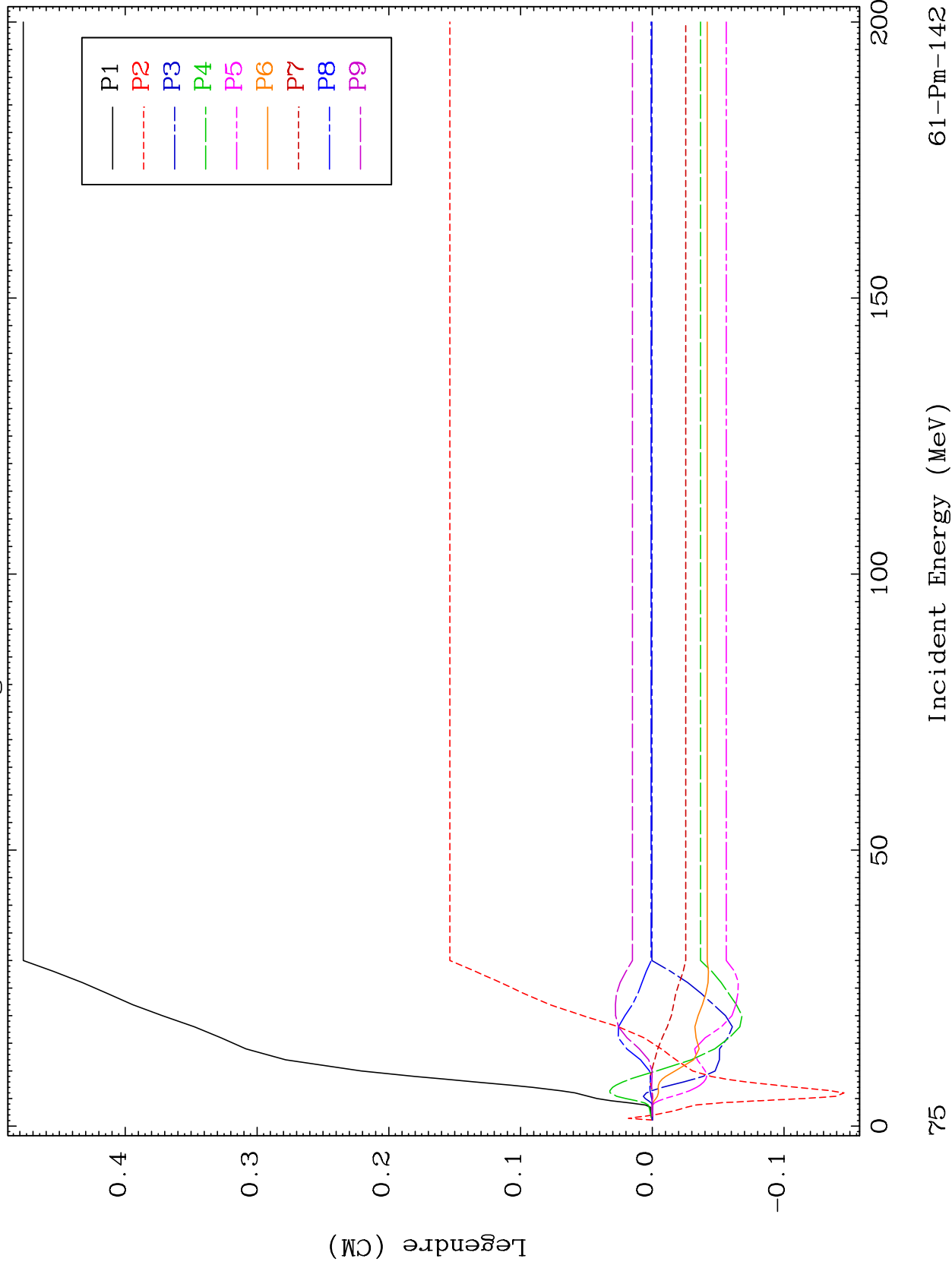
61-Pm-142



MAT 6134

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

61-Pm-142



61-Pm-142

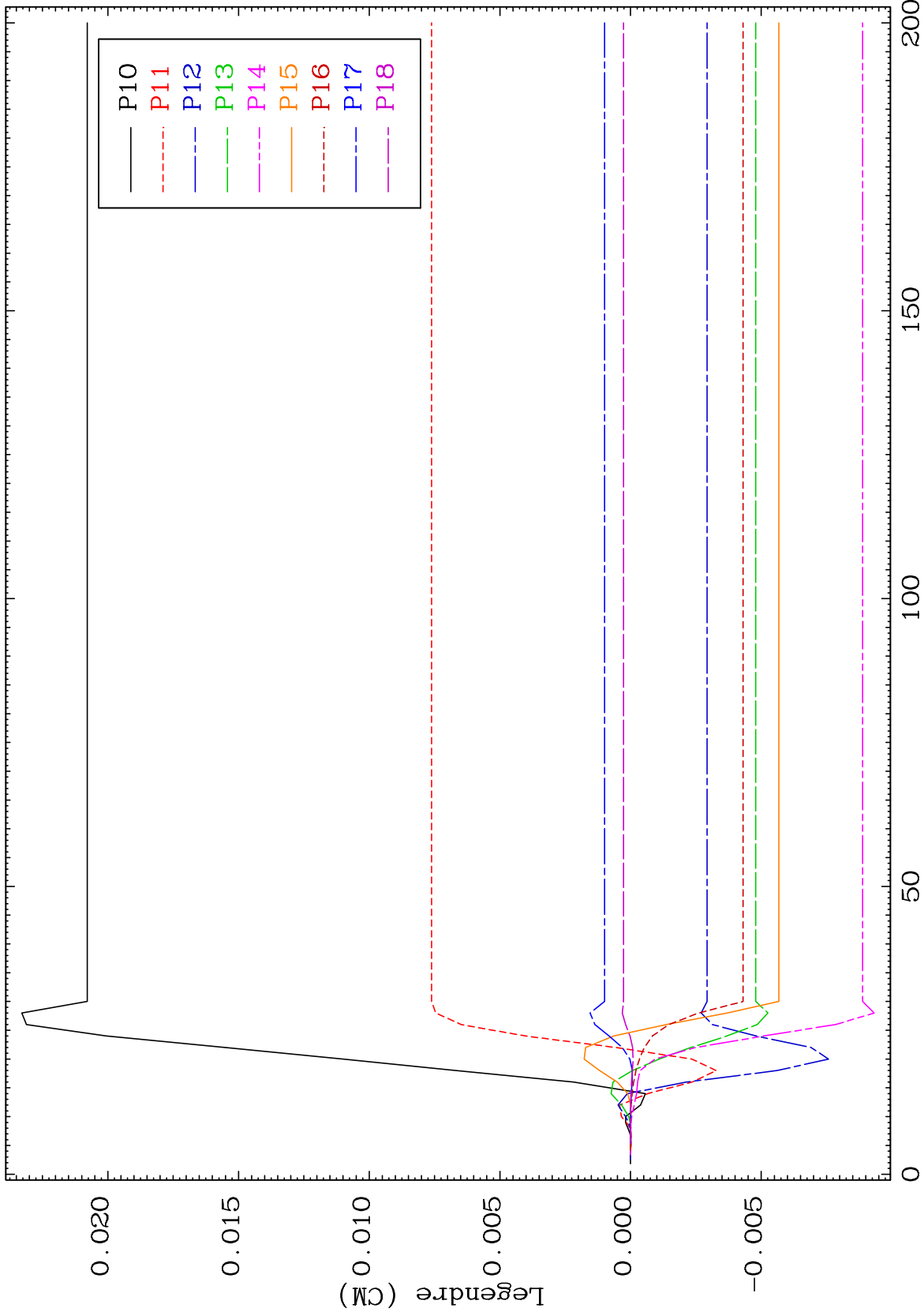
Incident Energy (MeV)

75

MAT 6134

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

61-Pm-142



76

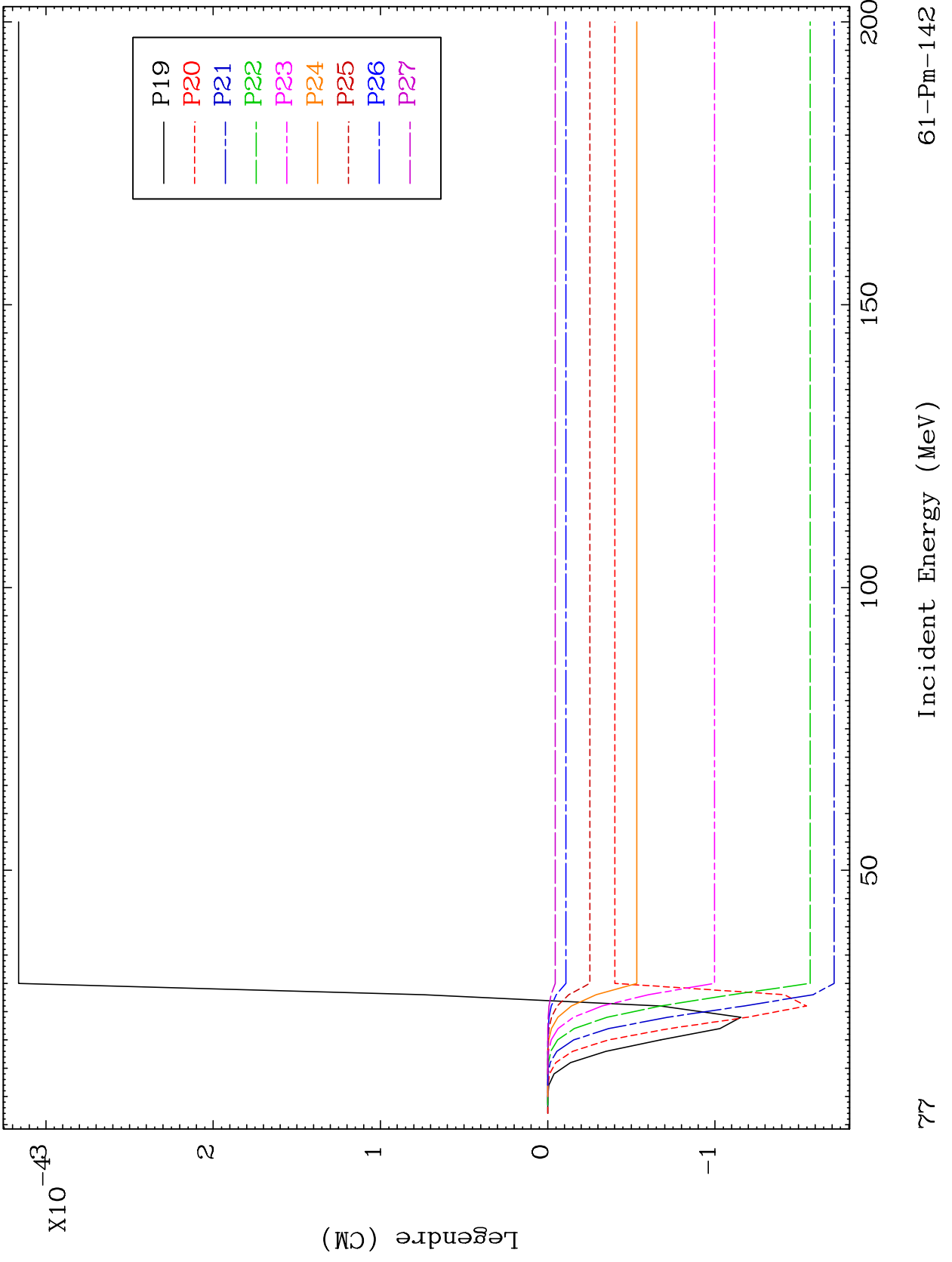
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

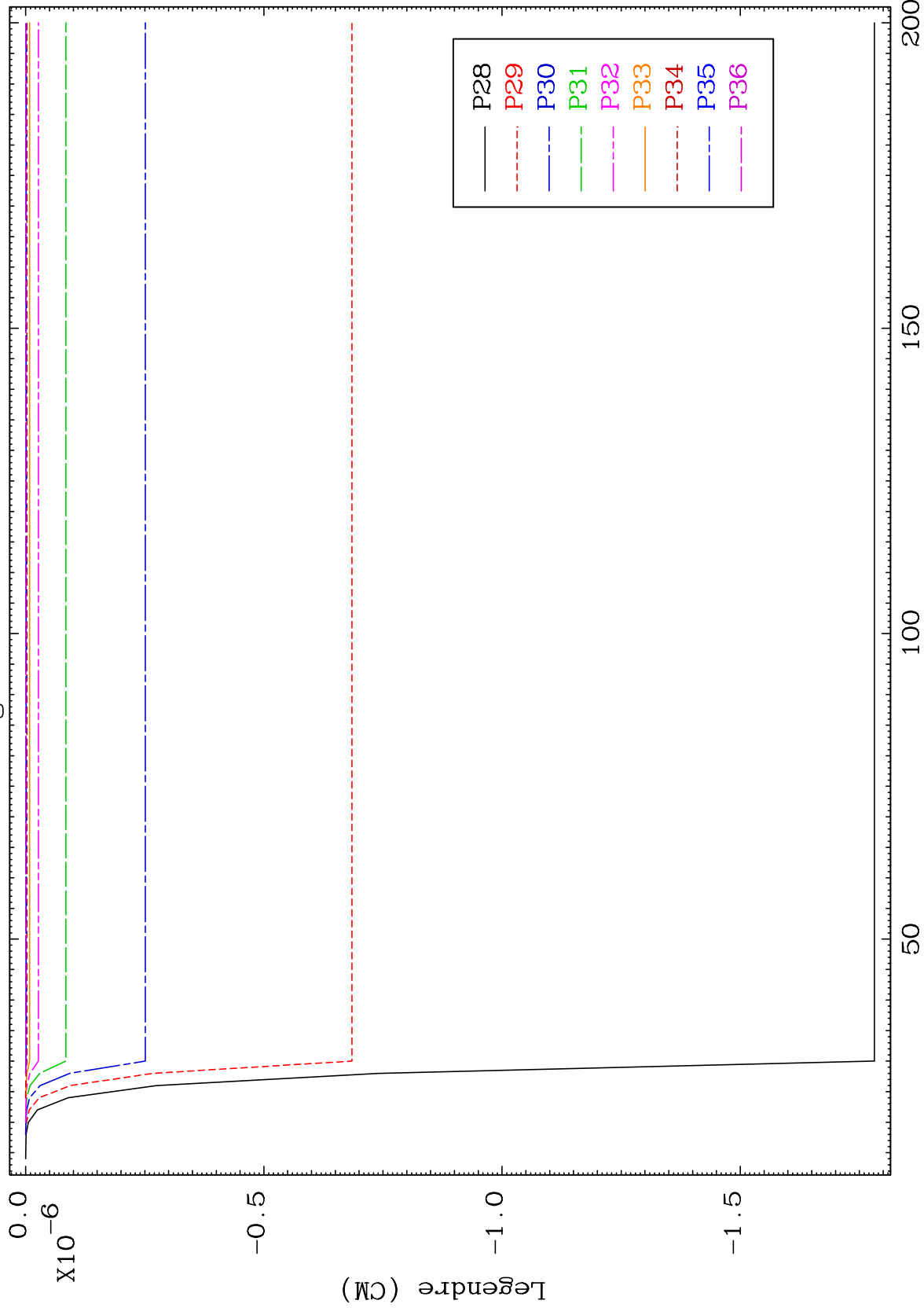
61-Pm-142



MAT 6134

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

61-Pm-142



78

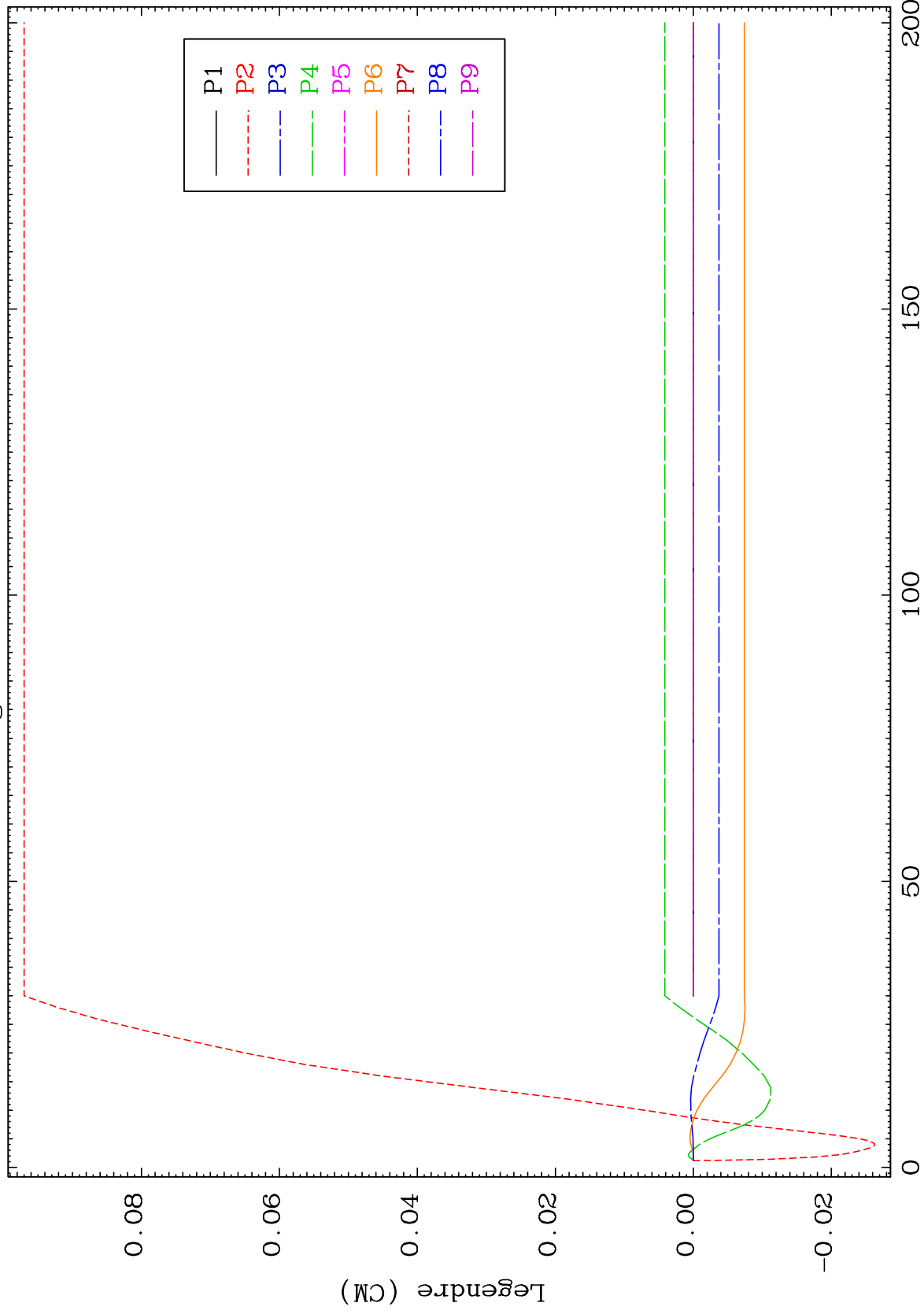
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



79

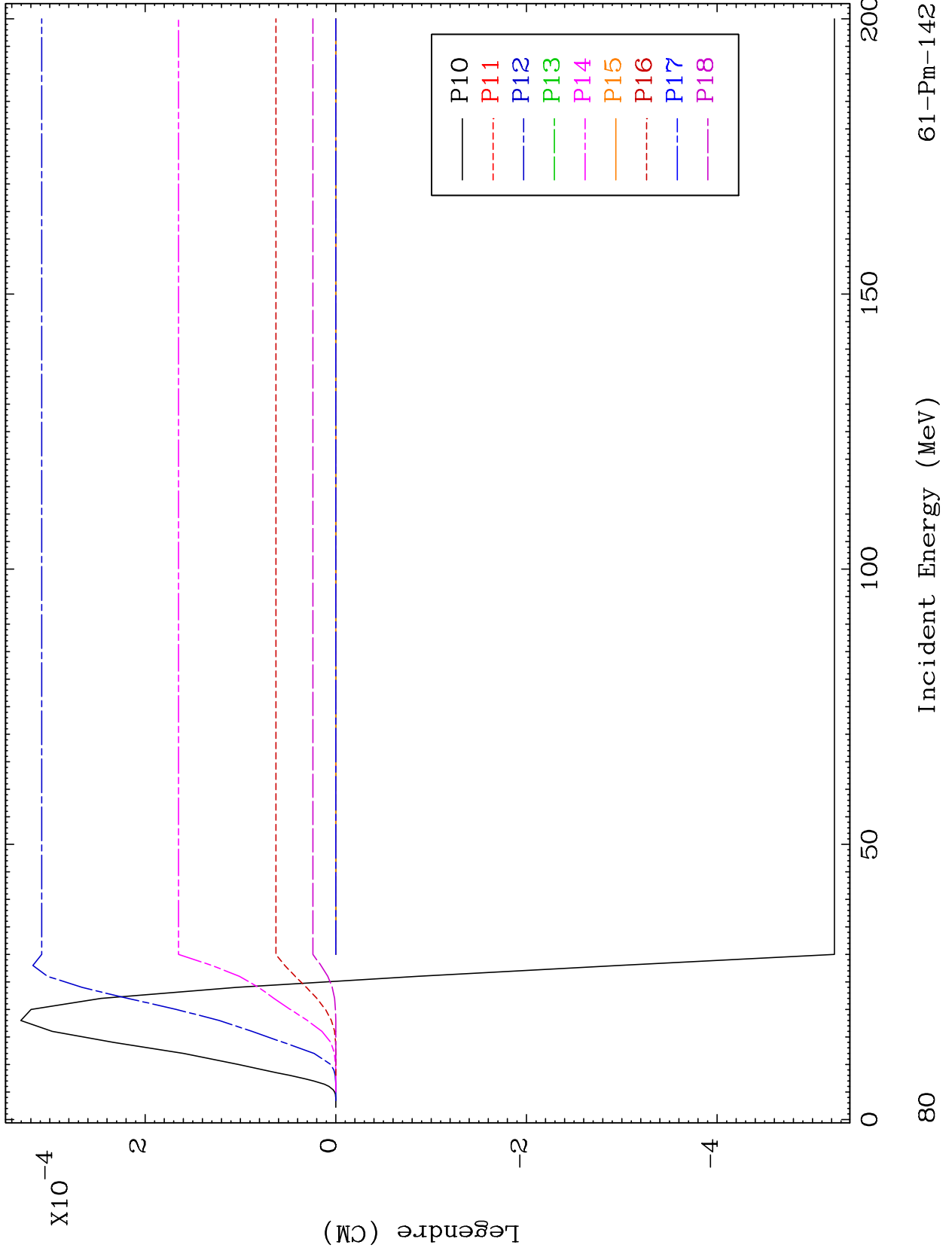
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

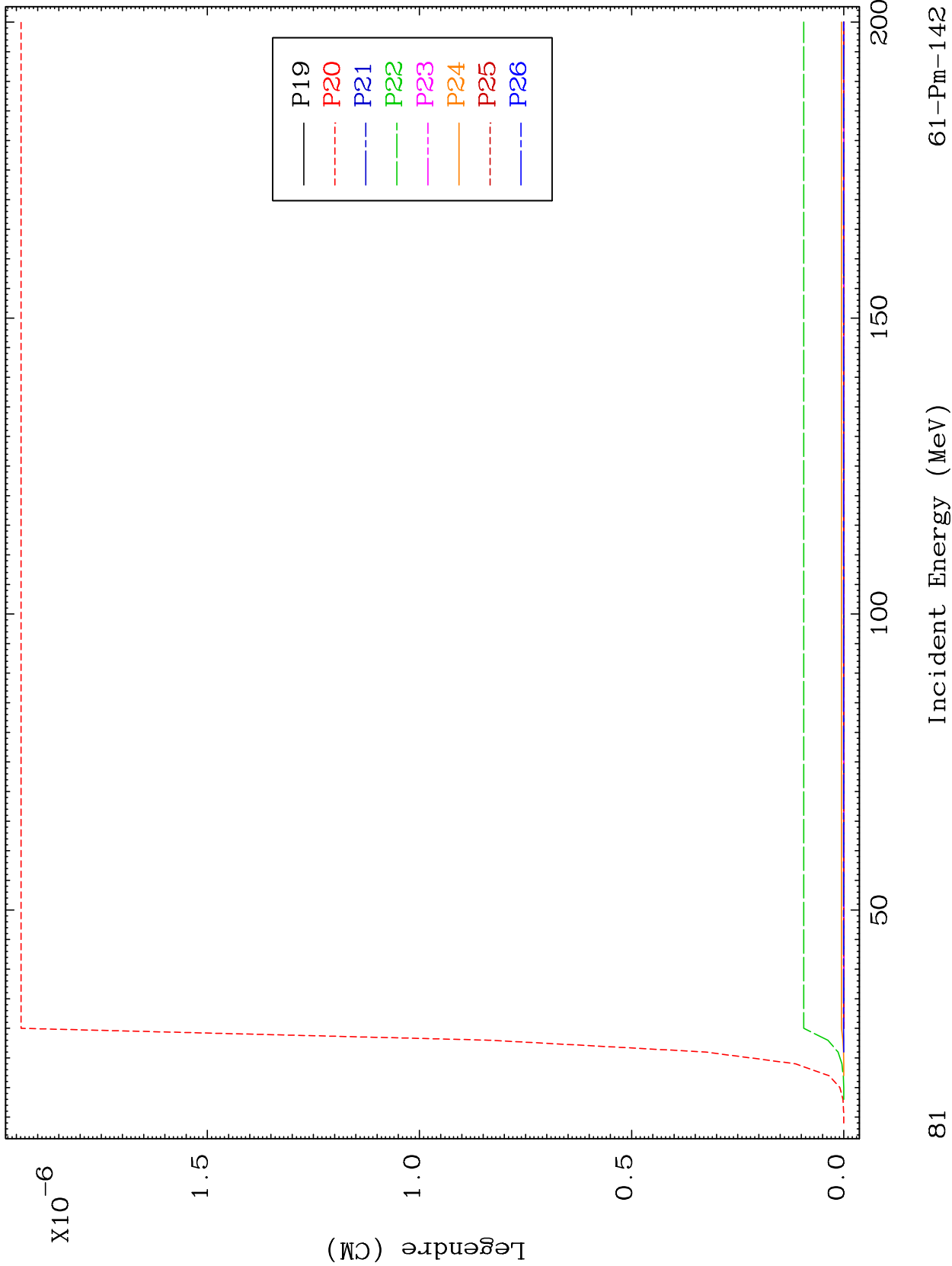
61-Pm-142



MAT 6134

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

61-Pm-142



81

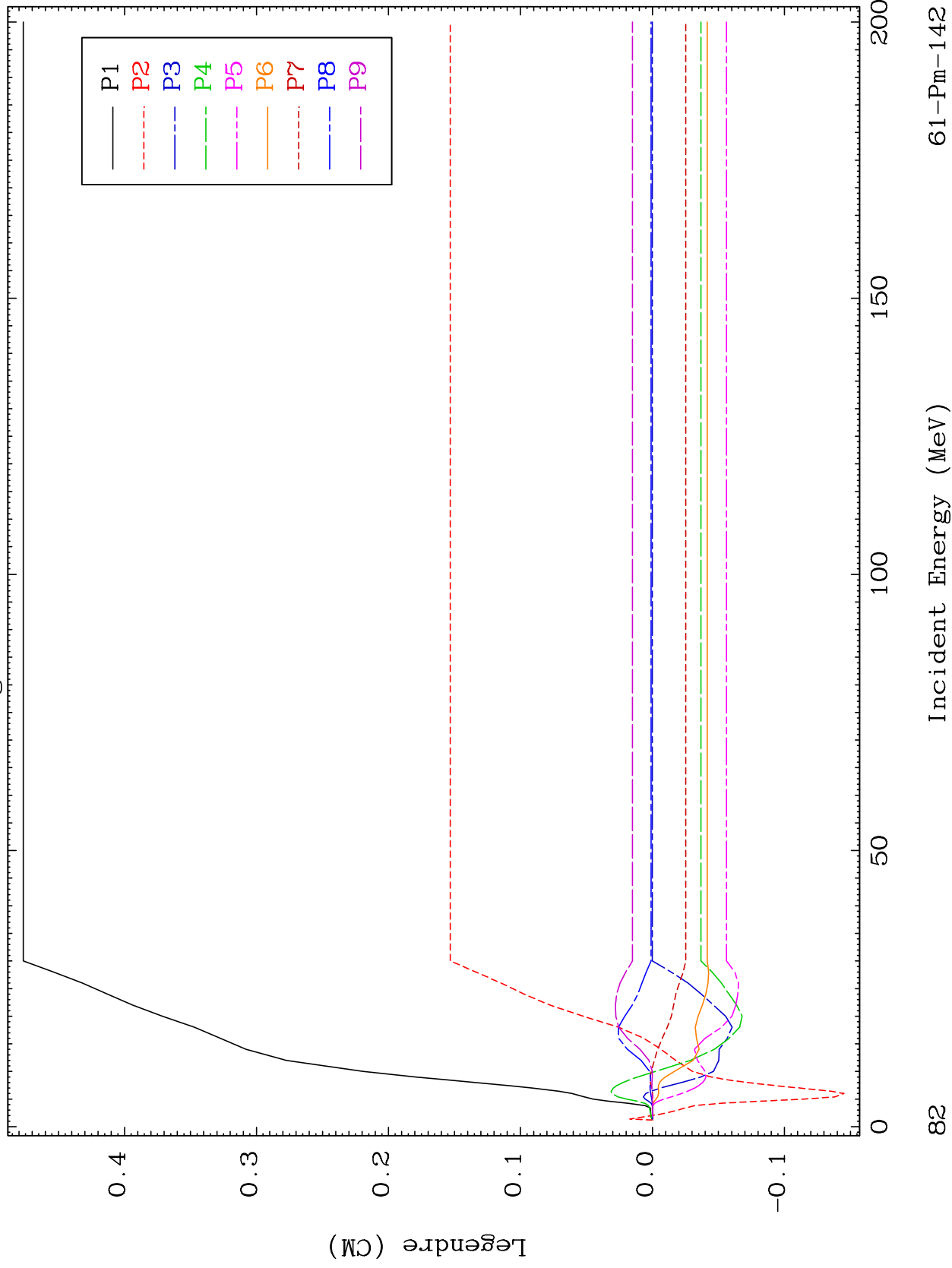
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



61-Pm-142

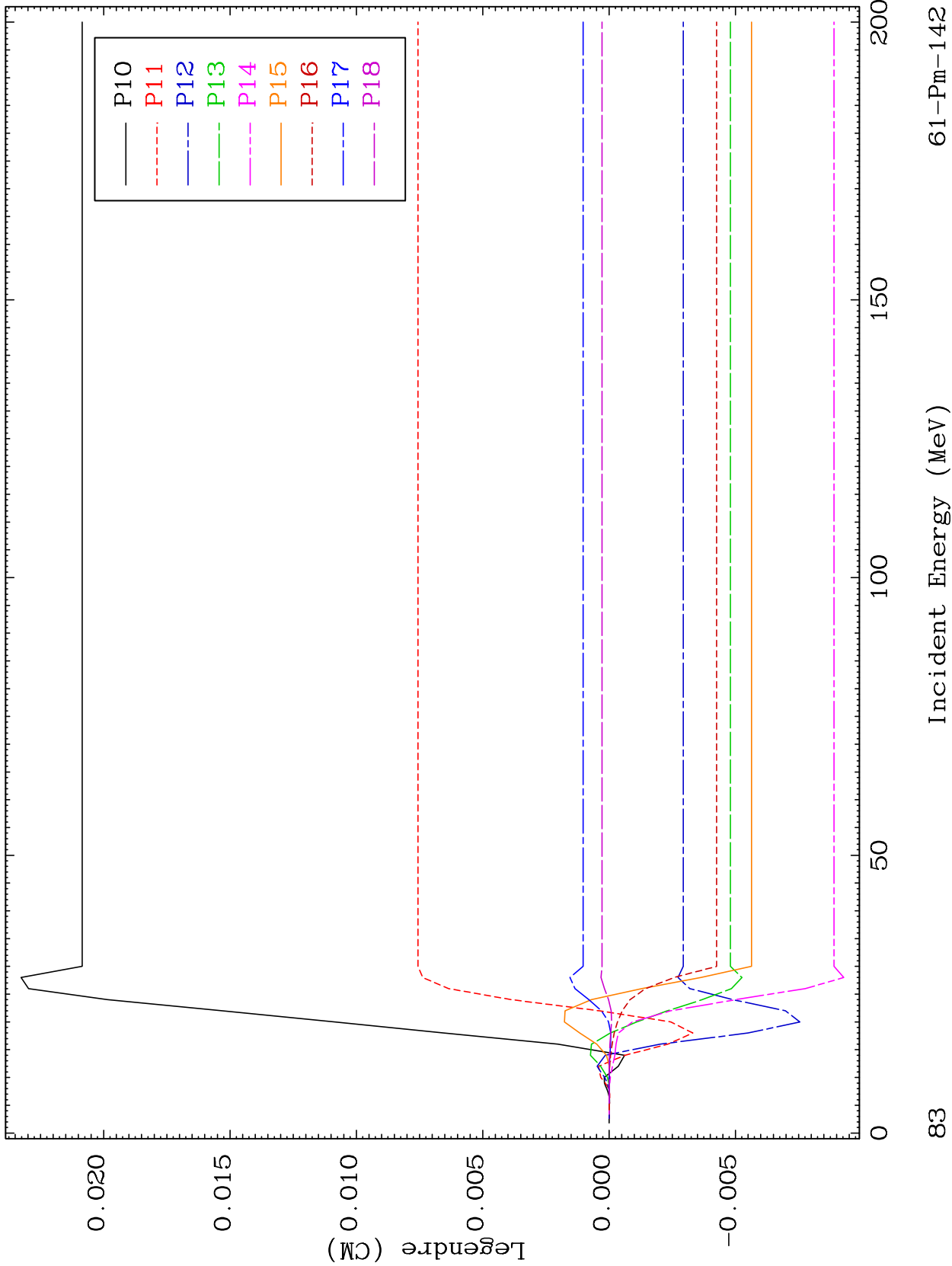
Incident Energy (MeV)

82

MAT 6134

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

61-Pm-142



83

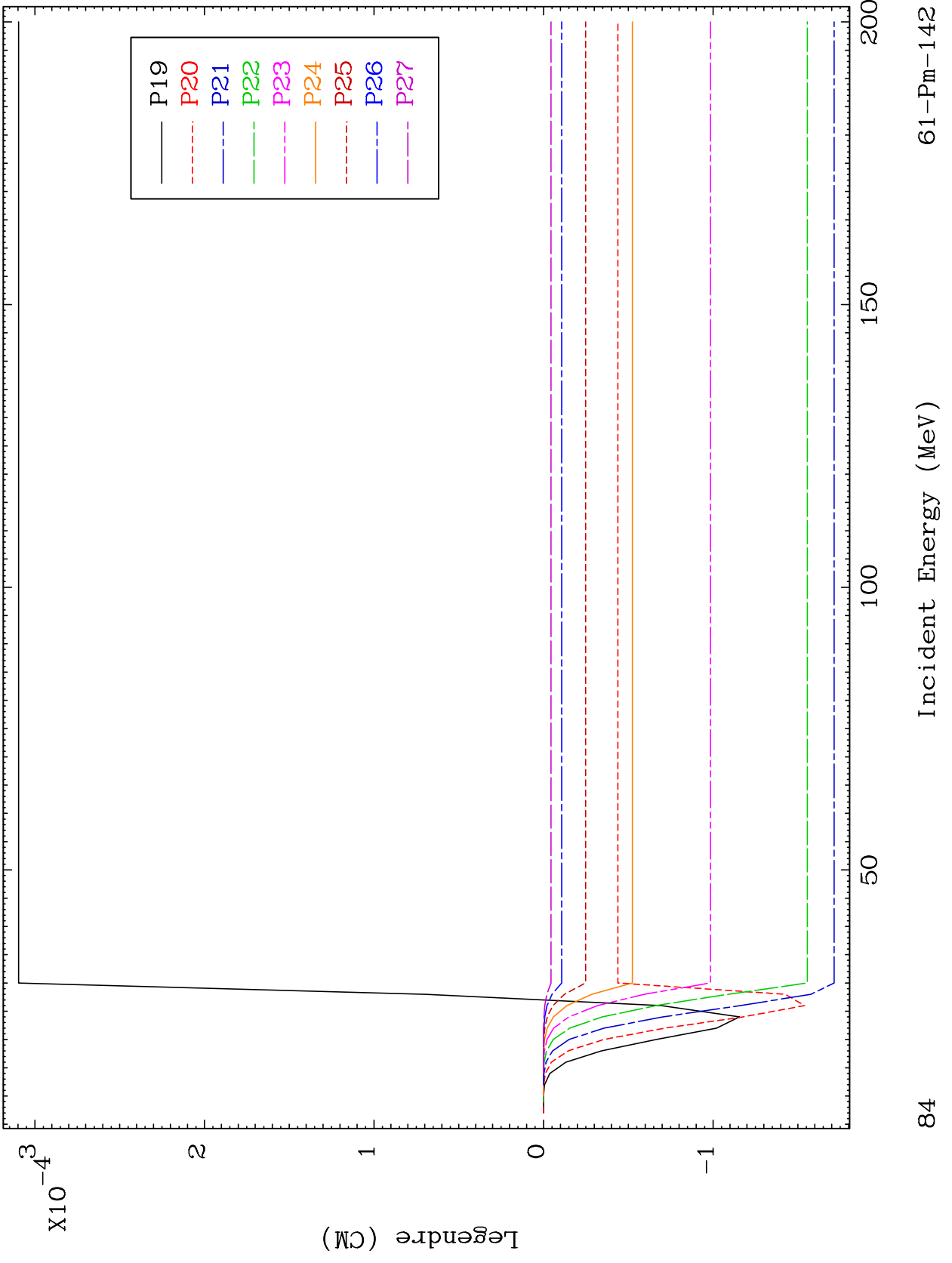
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

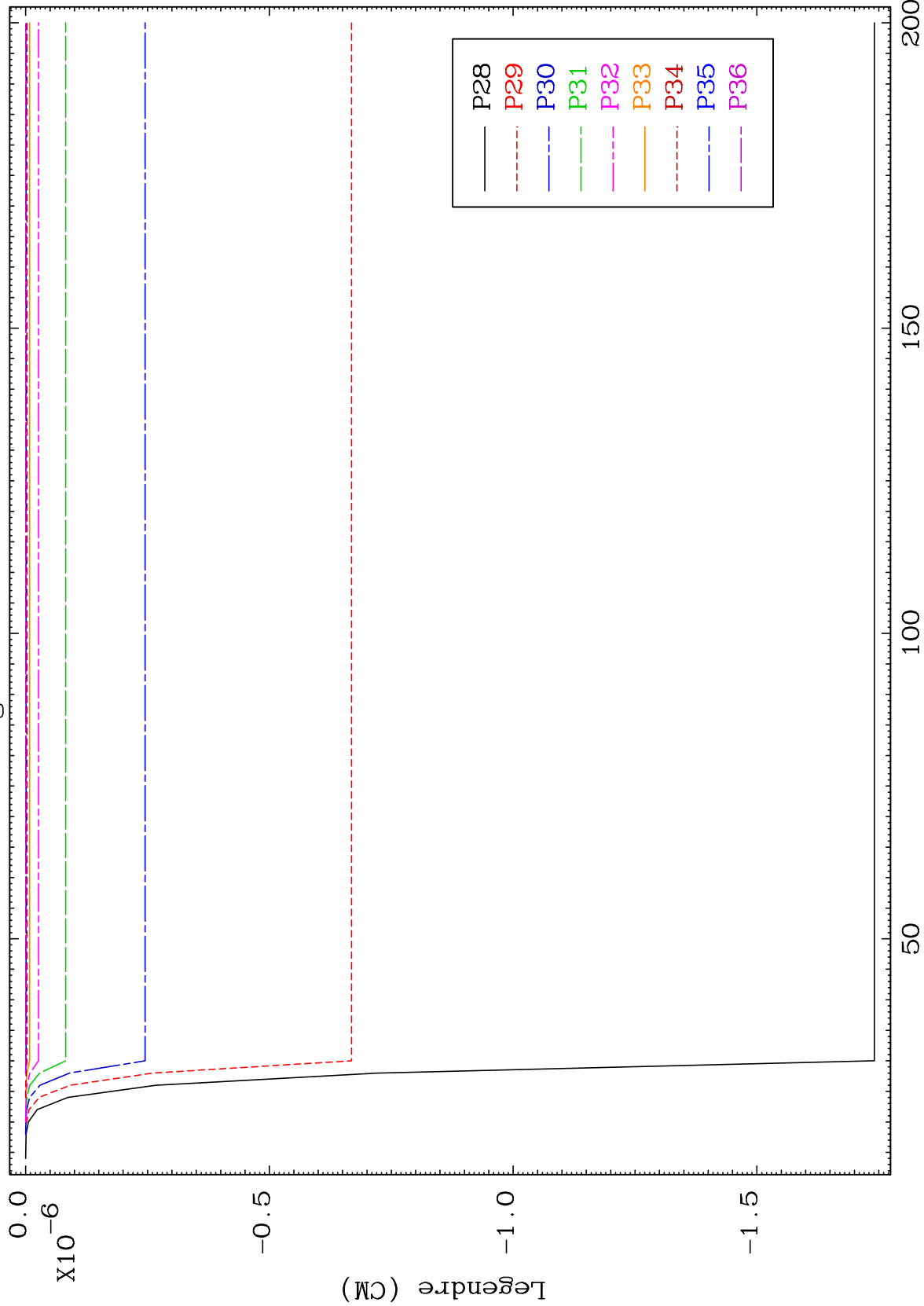
61-Pm-142



MAT 6134

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

61-Pm-142



61-Pm-142

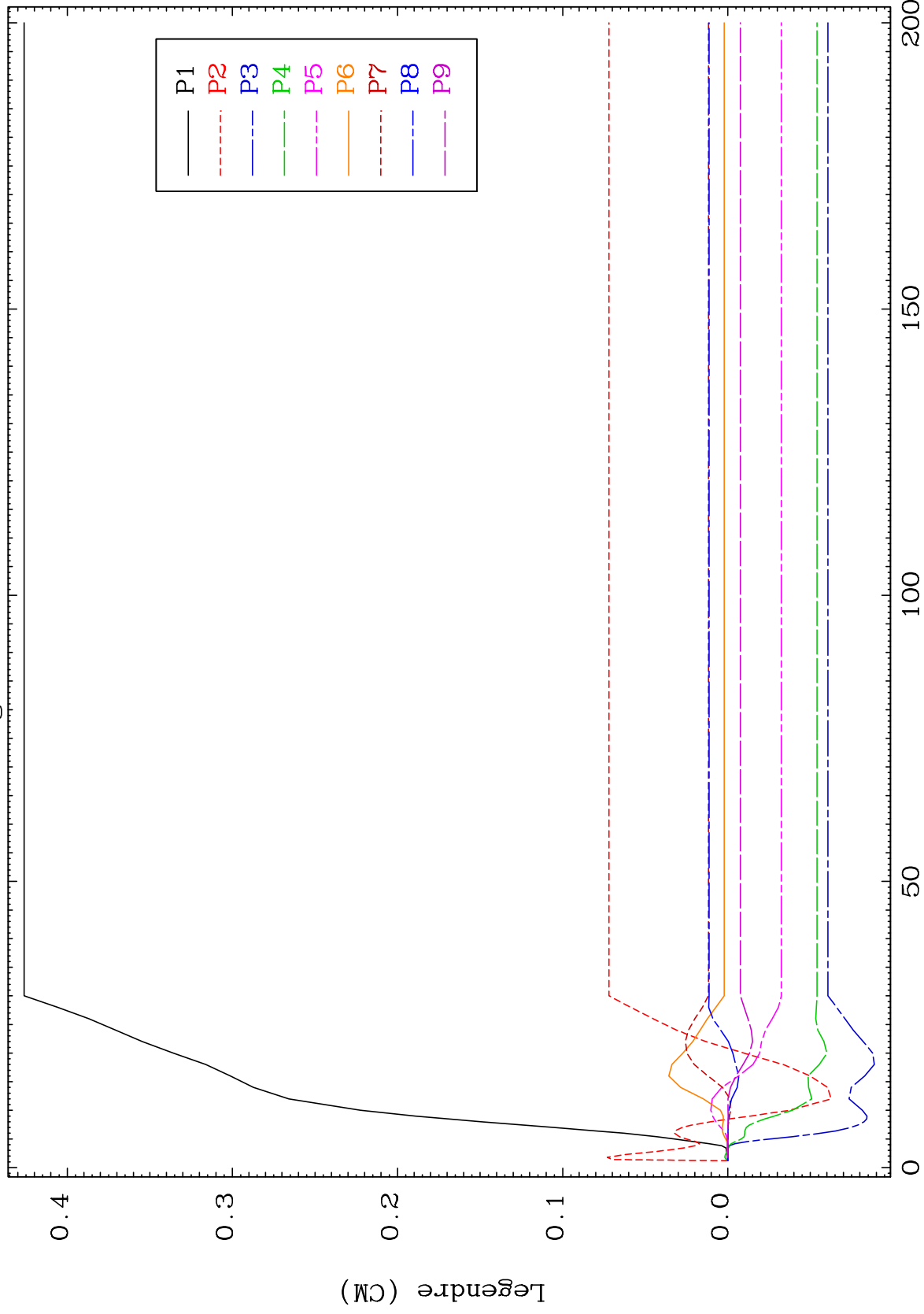
Incident Energy (MeV)

85

MAT 6134

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

61-Pm-142



86

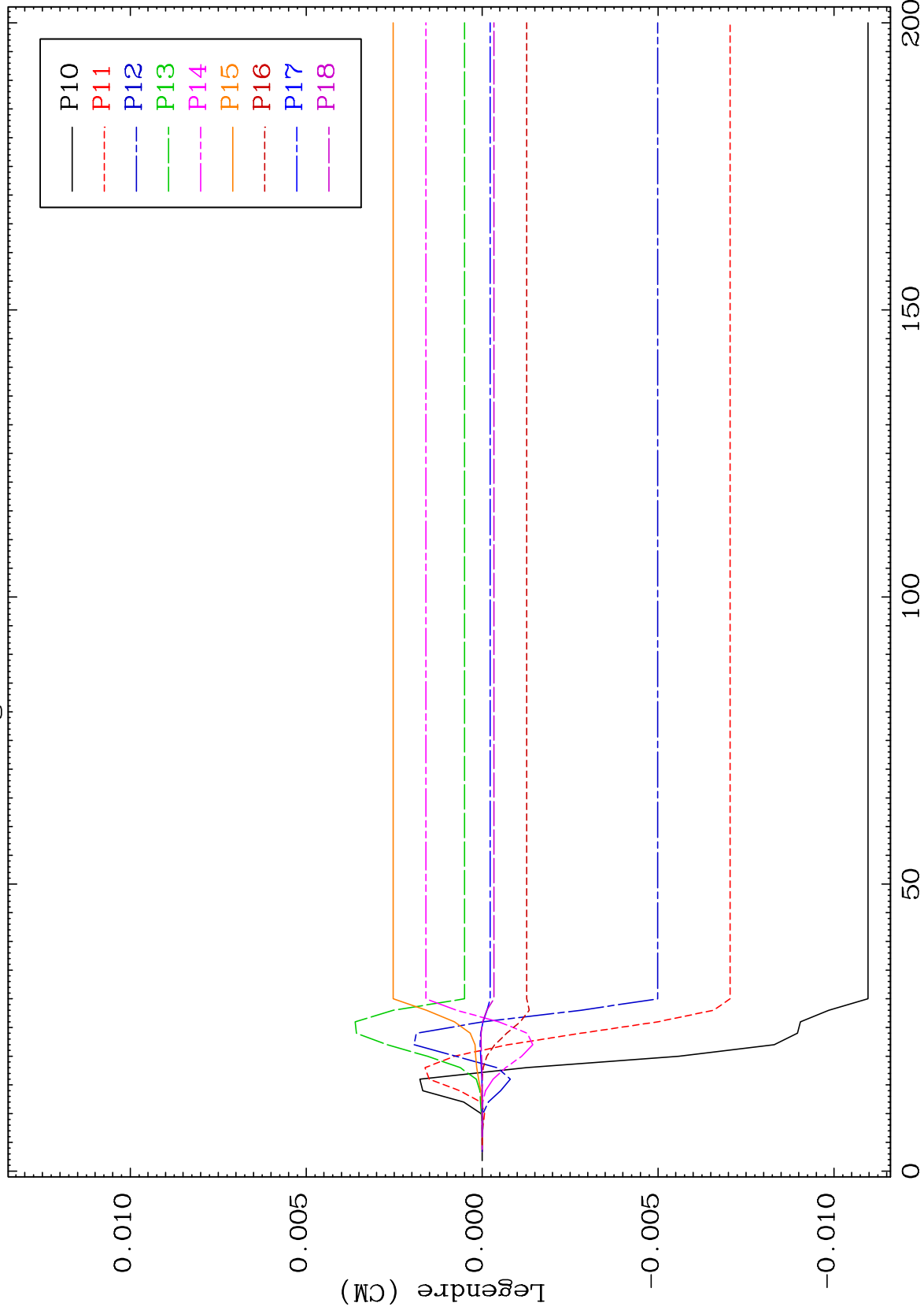
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

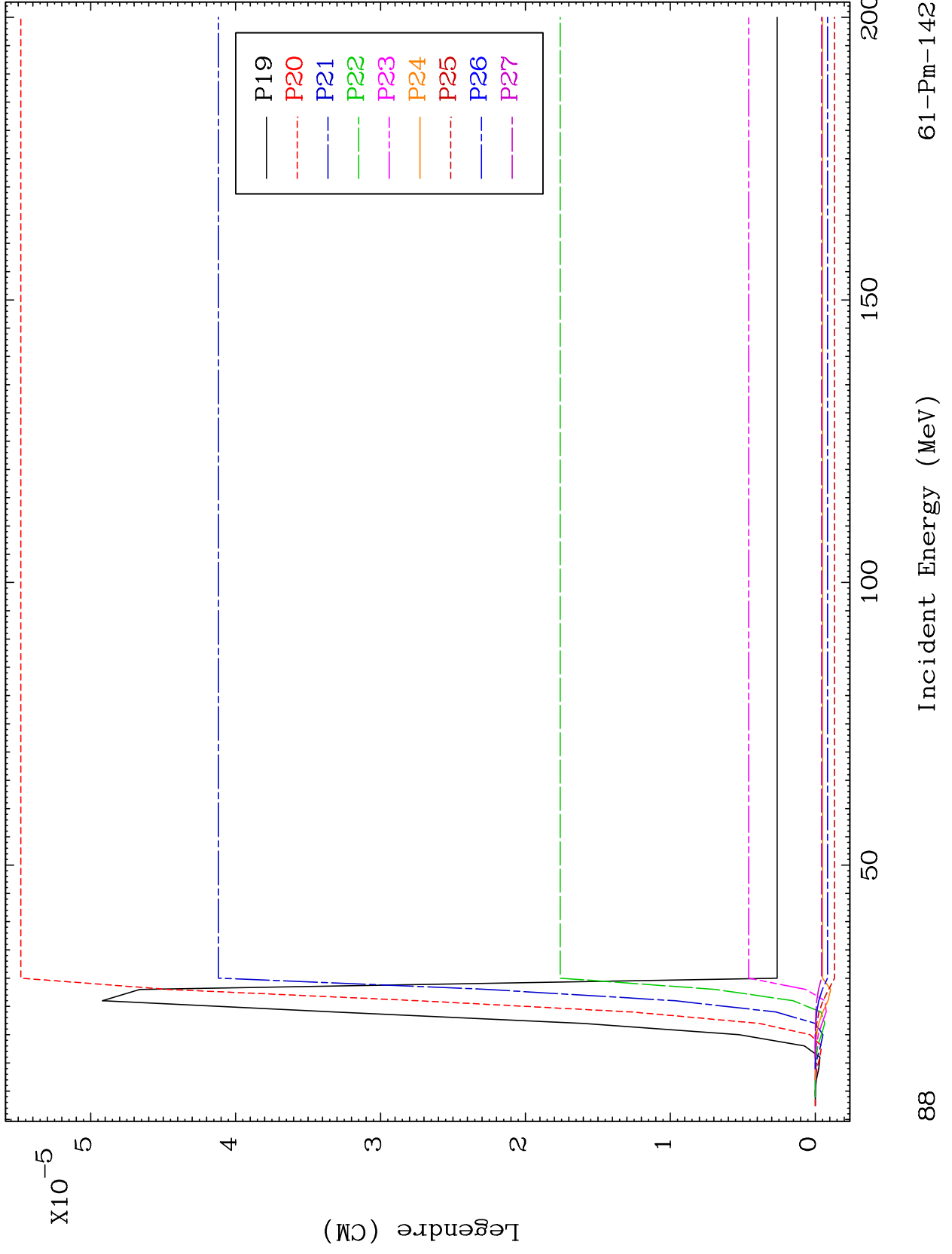
61-Pm-142



87

Incident Energy (MeV)

61-Pm-142

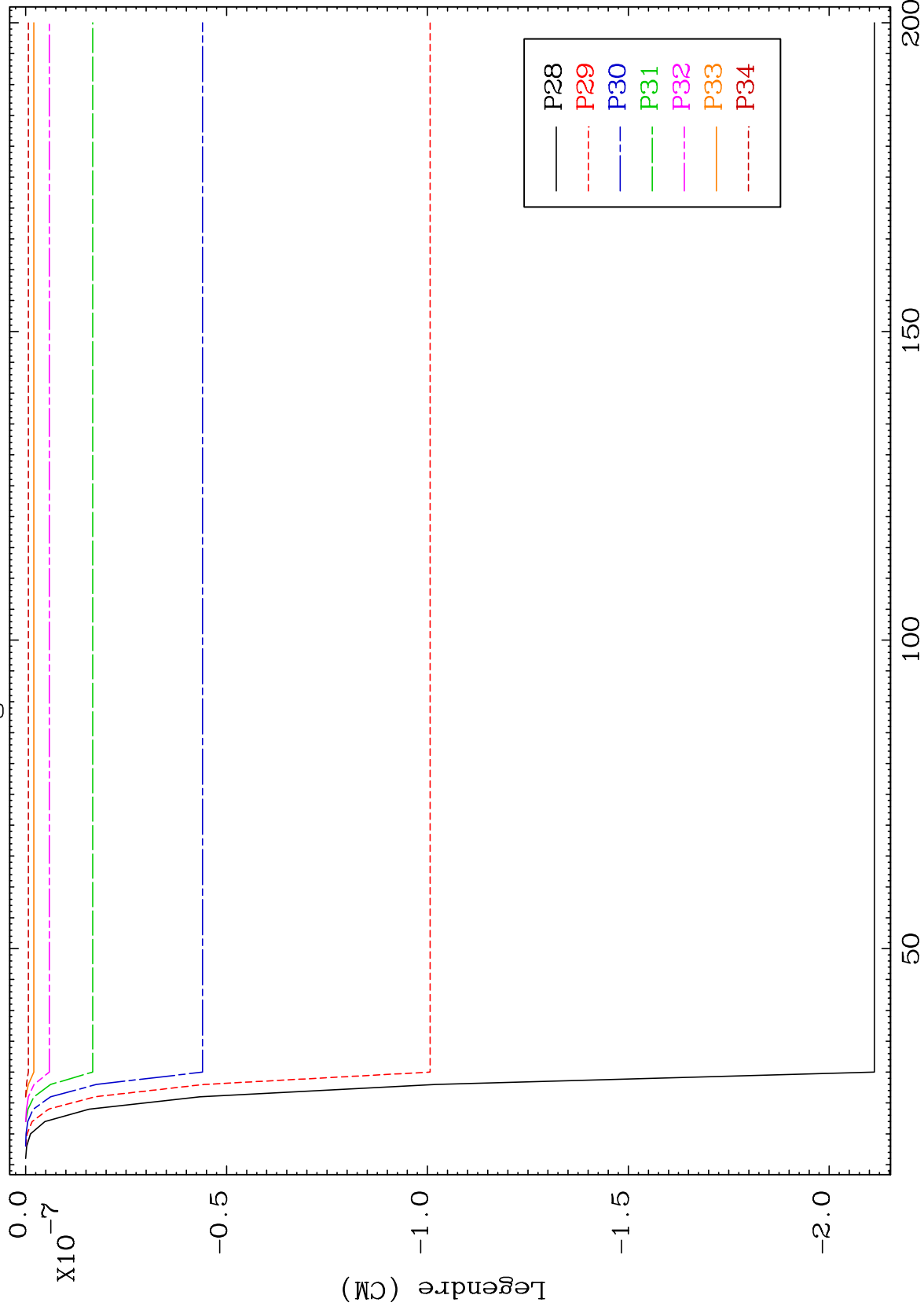


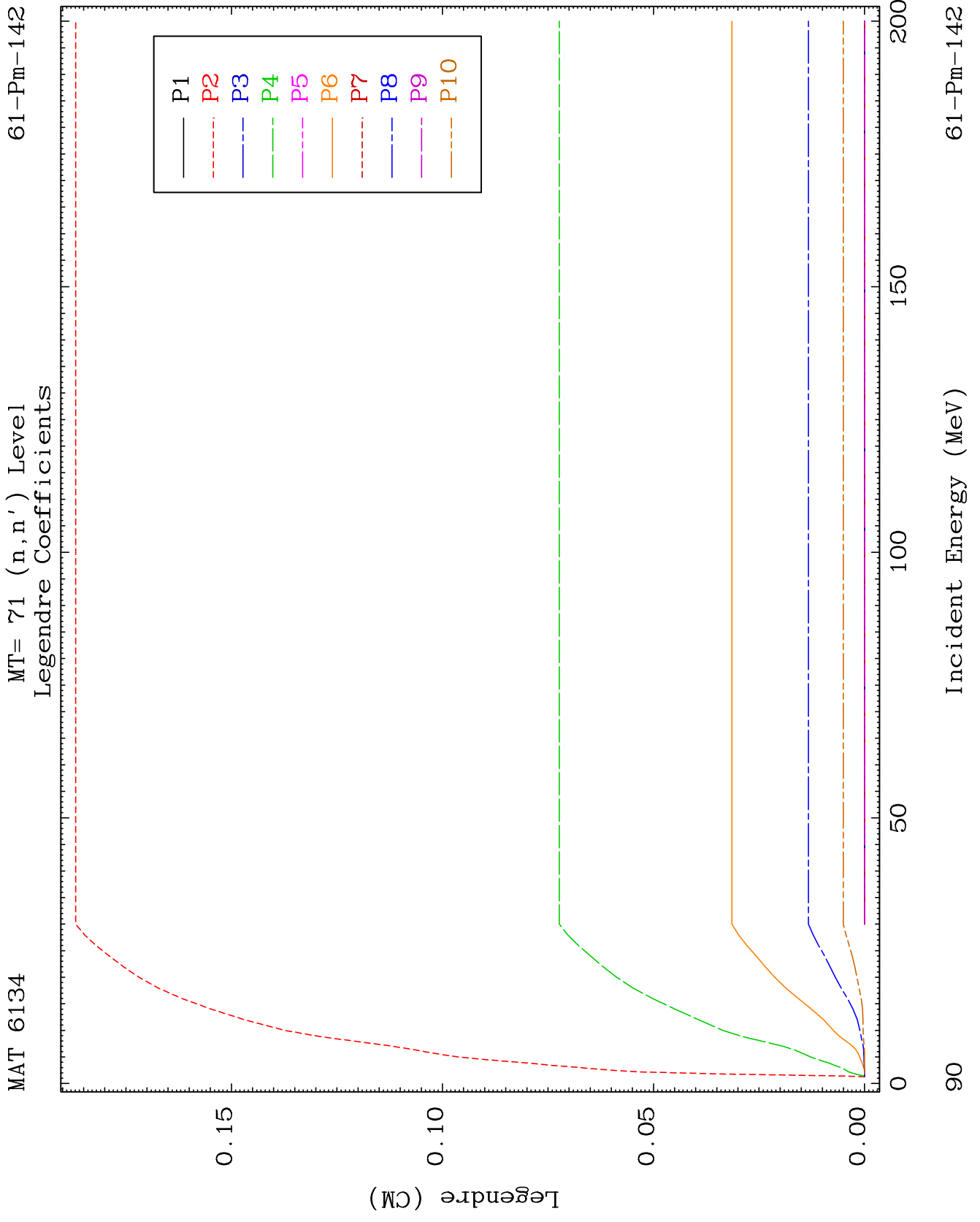
MAT 6134

MT= 70 (n,n') Level

61-Pm-142

Legendre Coefficients

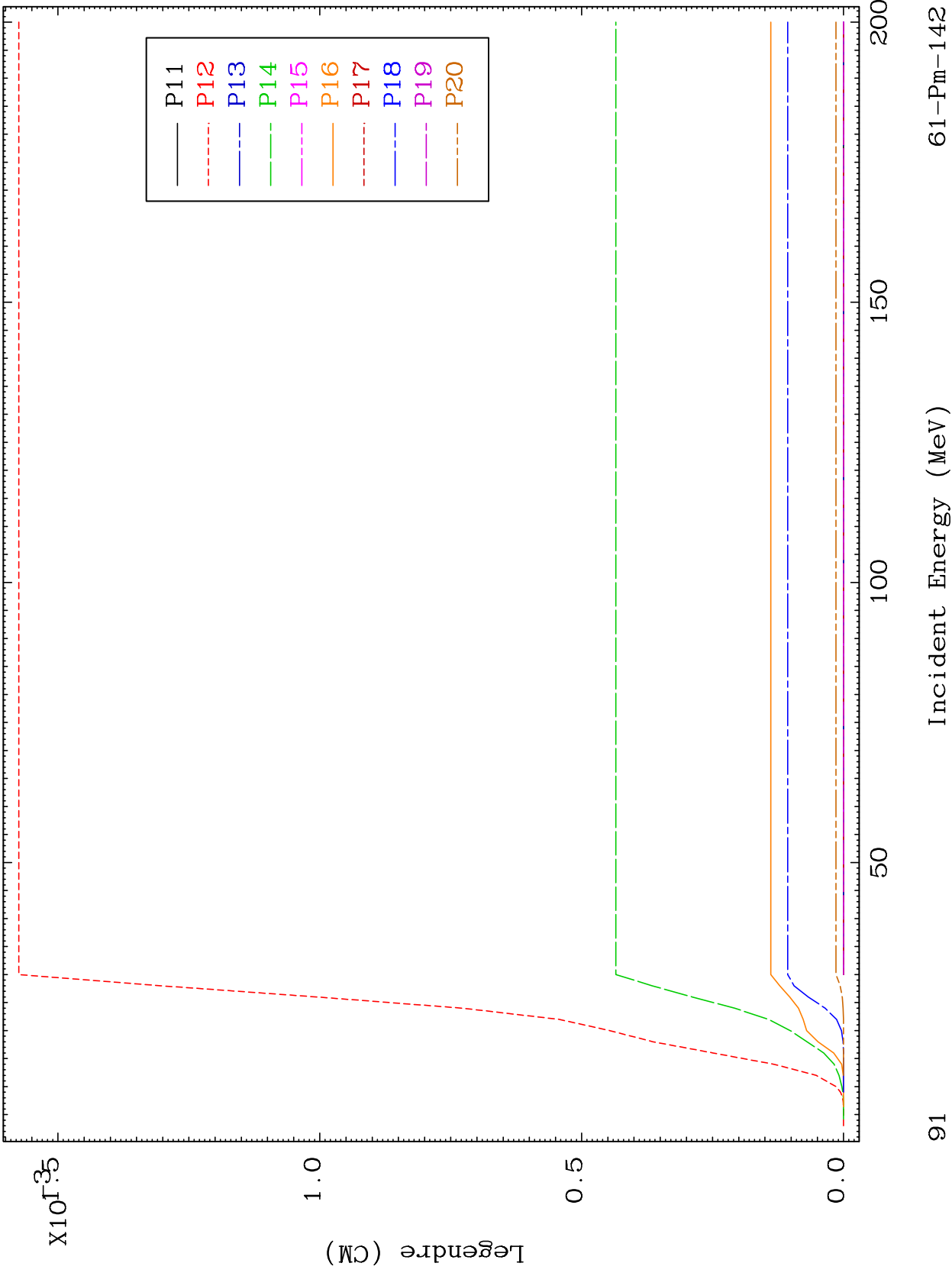




MAT 6134

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

61-Pm-142



91

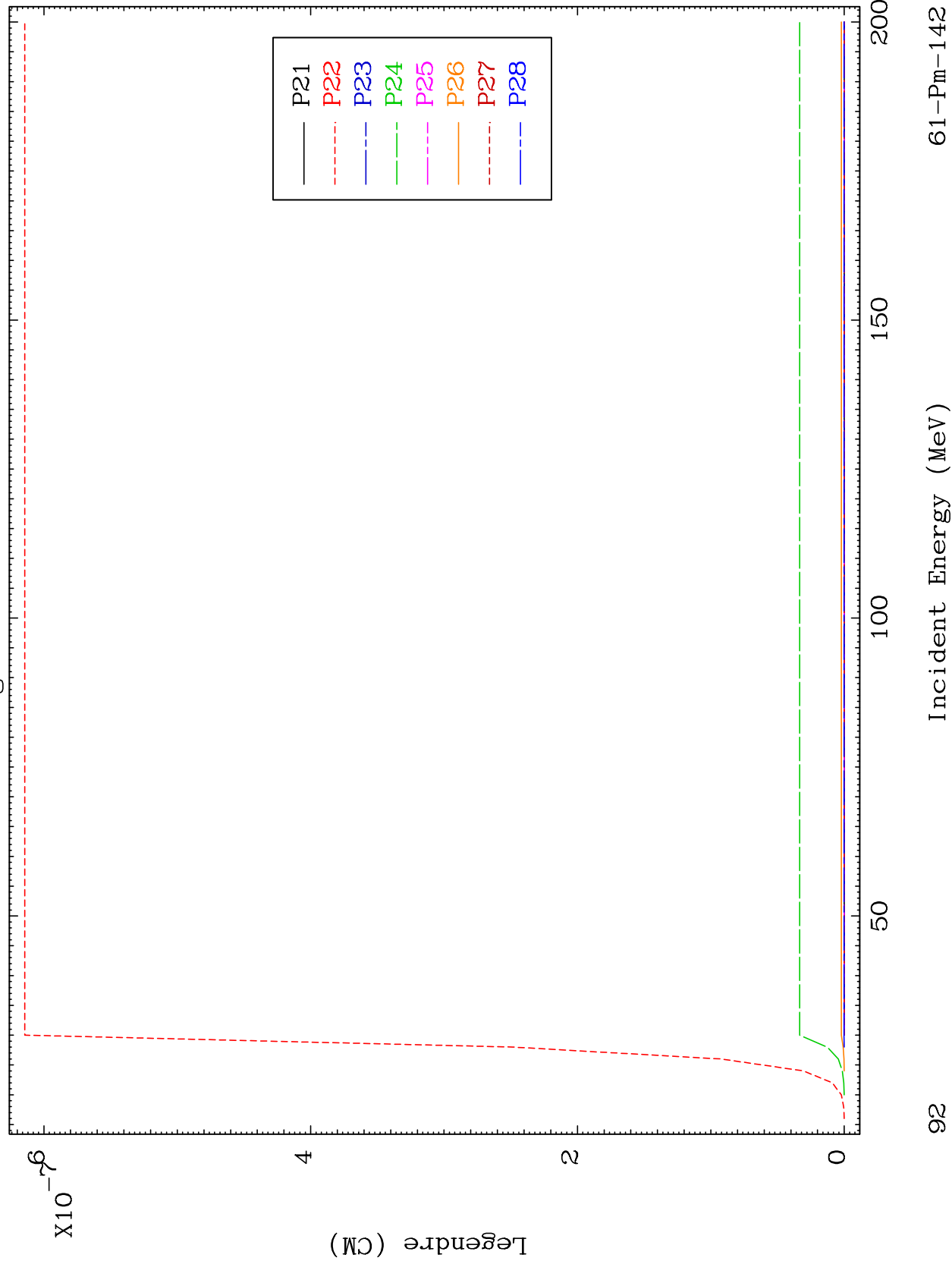
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



92

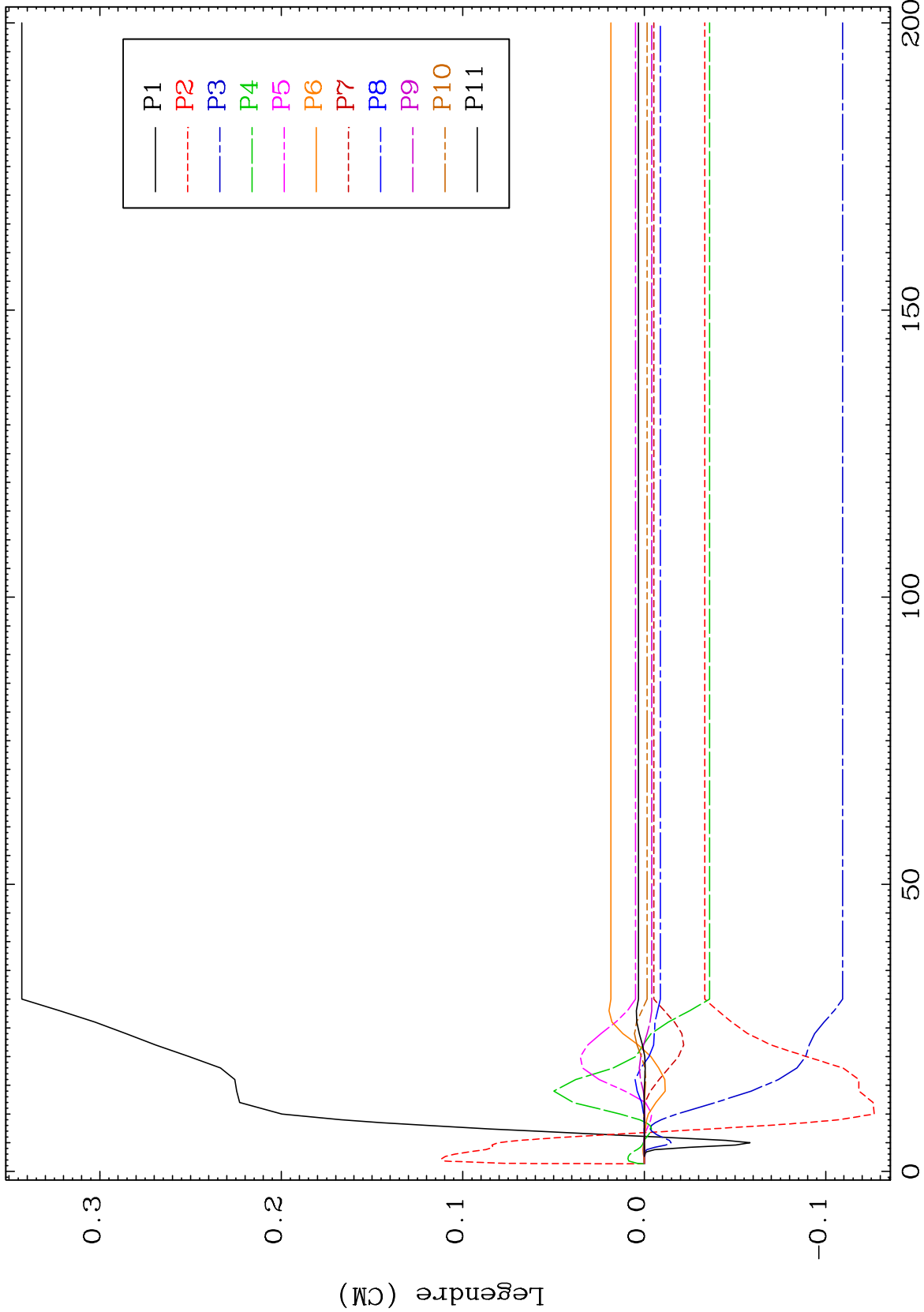
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



93

Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



94

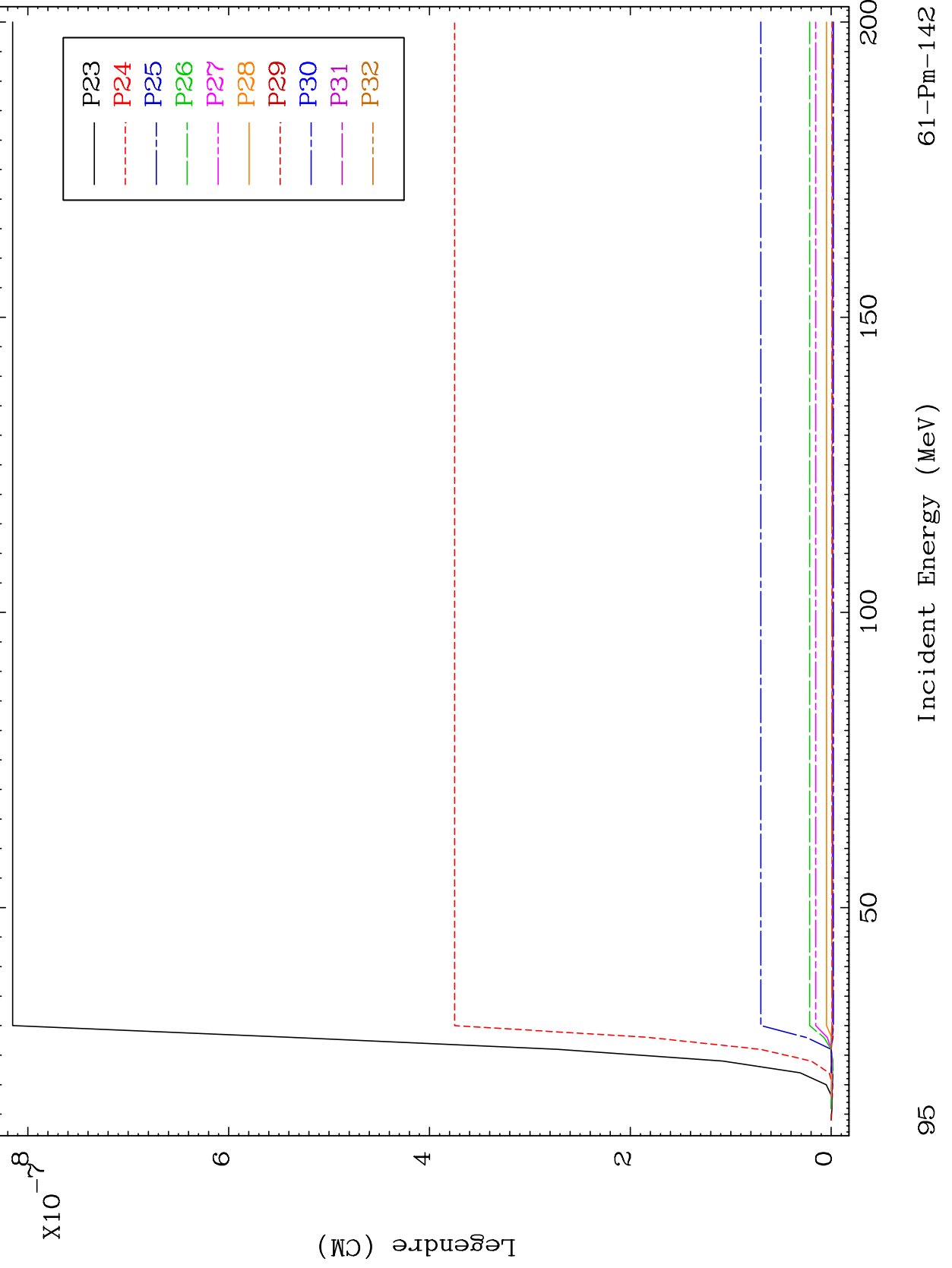
Incident Energy (MeV)

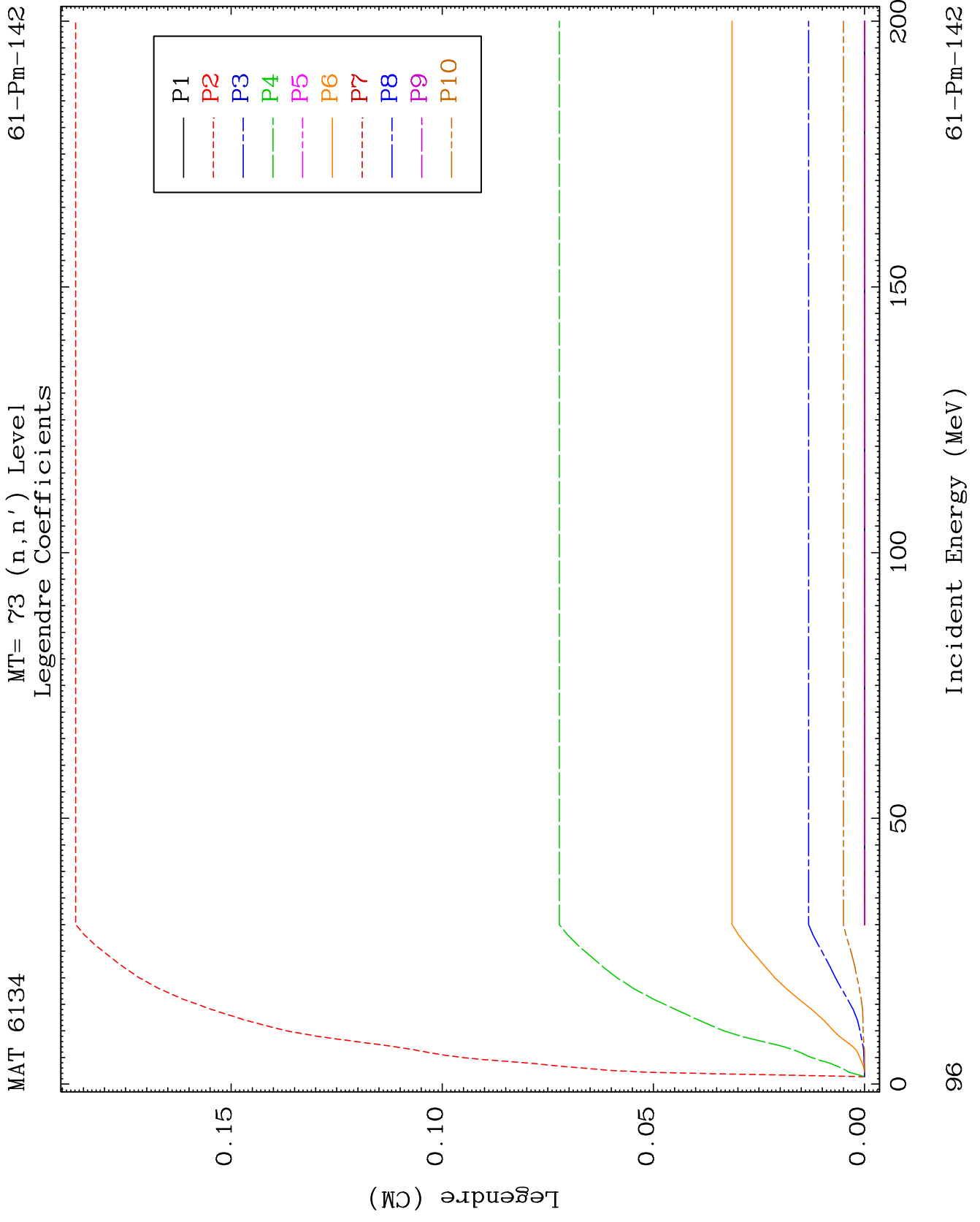
61-Pm-142

MAT 6134

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

61-Pm-142

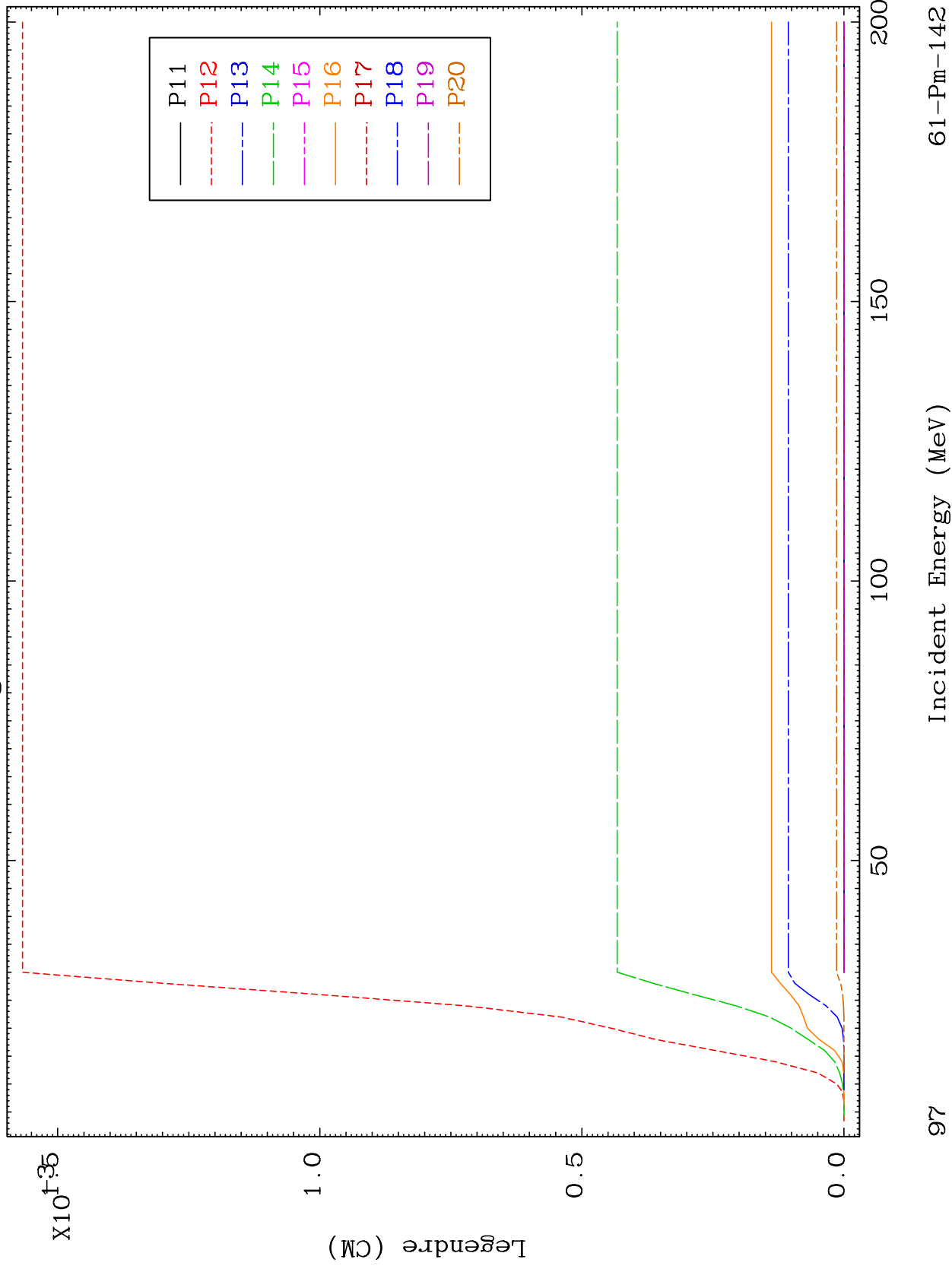




MAT 6134

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

61-Pm-142



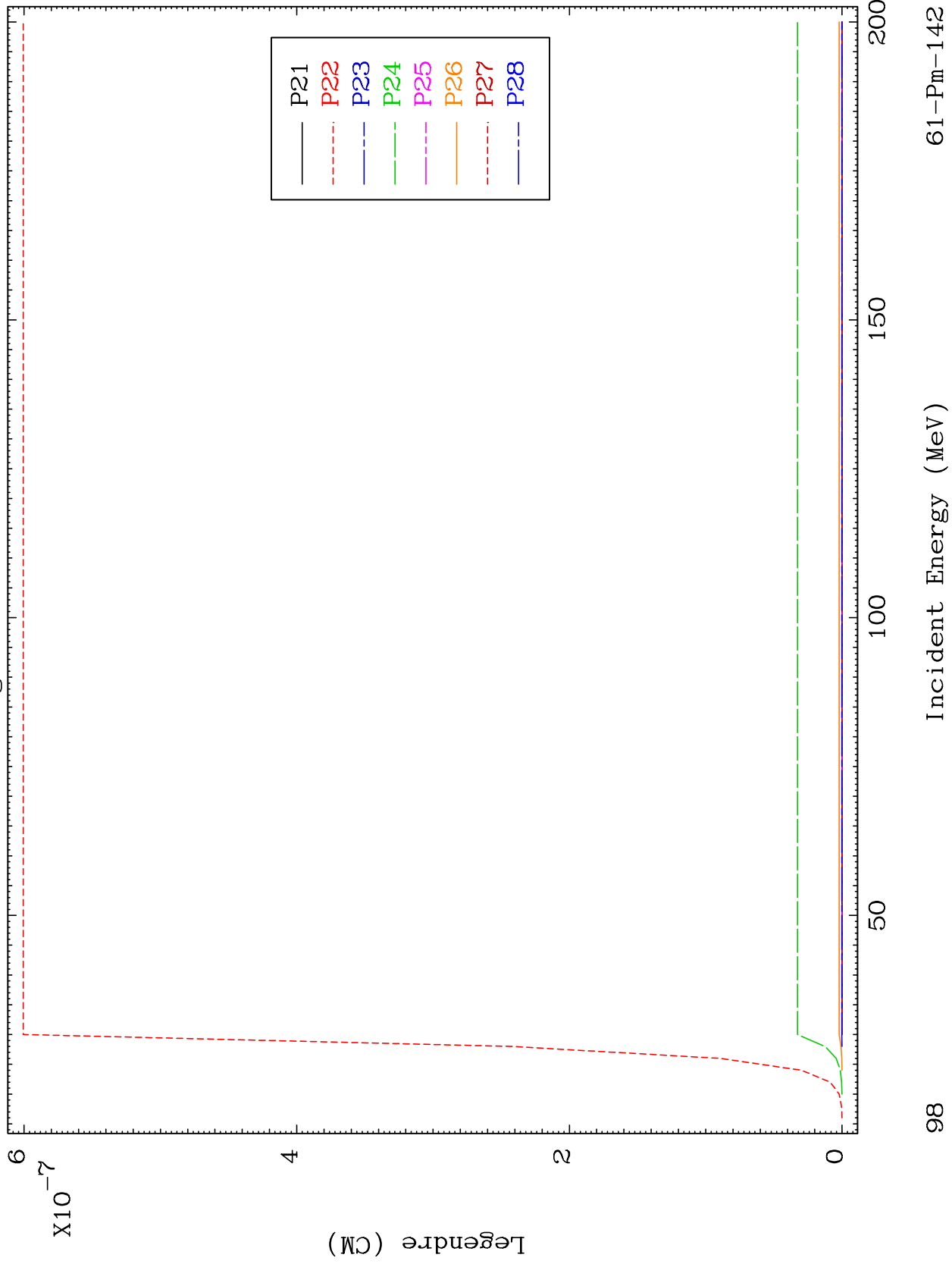
97

61-Pm-142

MAT 6134

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

61-Pm-142

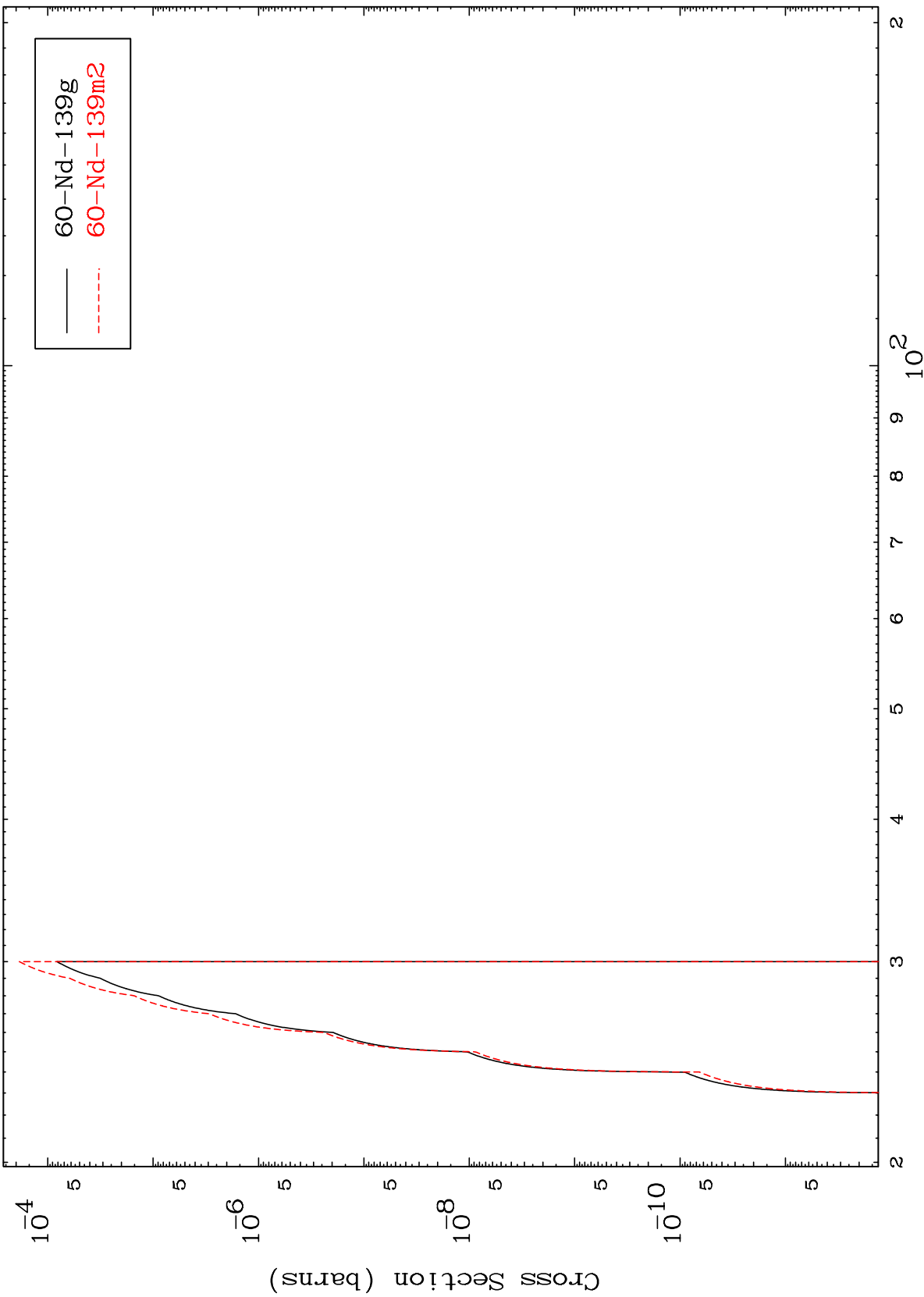


98

Incident Energy (MeV)

61-Pm-142

Radionuclide Production Cross Section



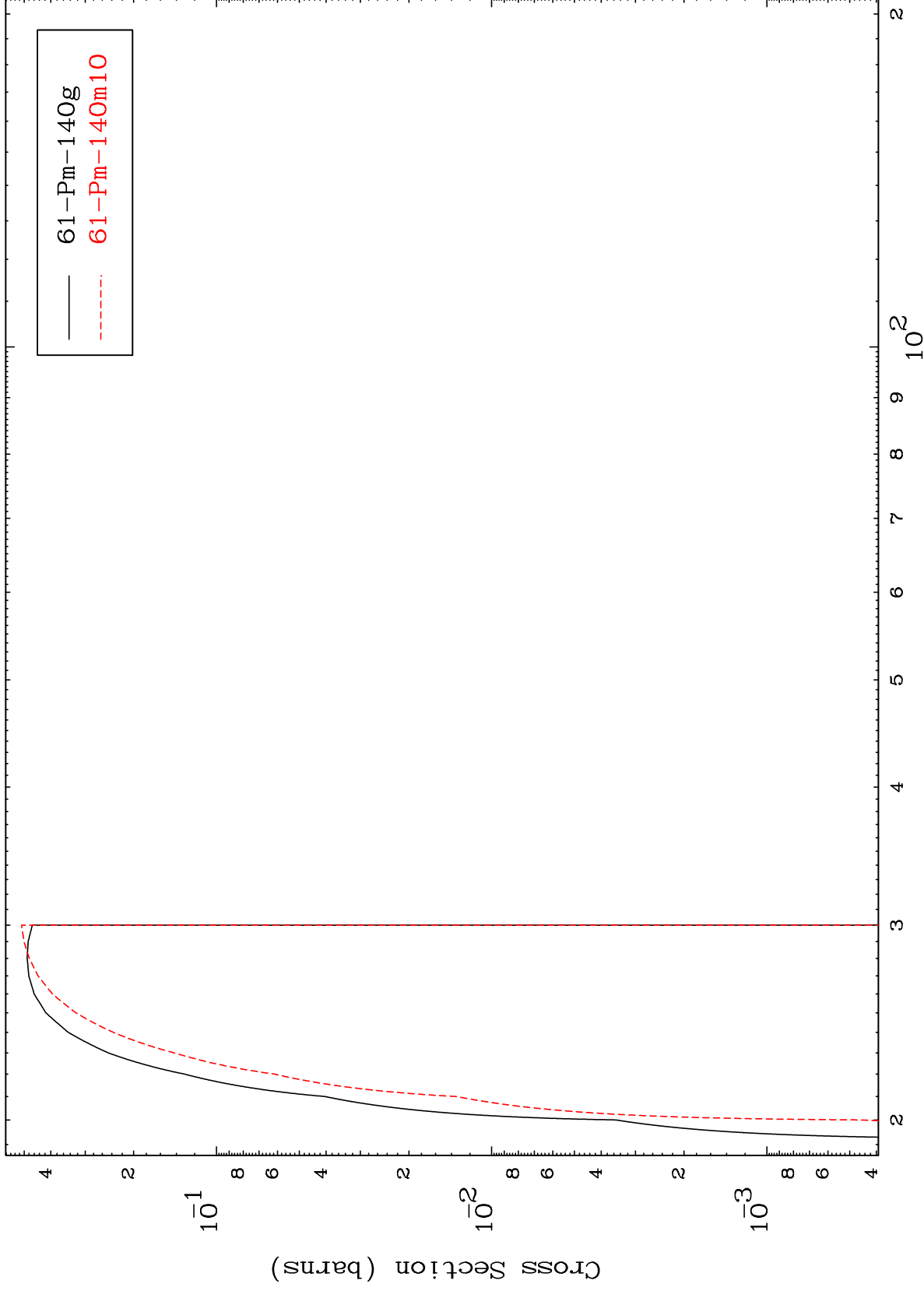
60-Nd-139g
60-Nd-139m2

MAT 6134

(n,3n)

61-Pm-142

Radionuclide Production Cross Section



61-Pm-140g
61-Pm-140m10

100

Incident Energy (MeV)

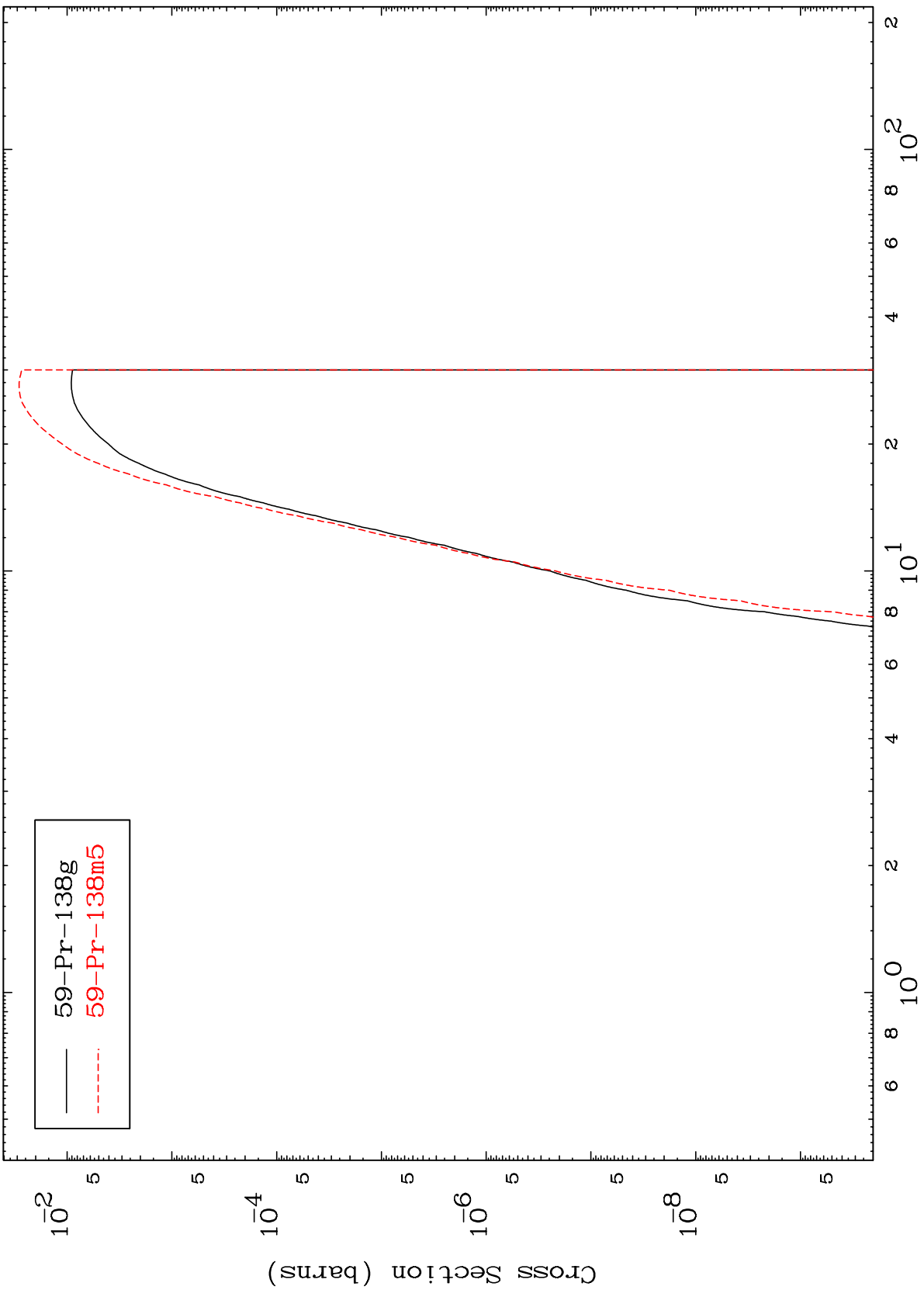
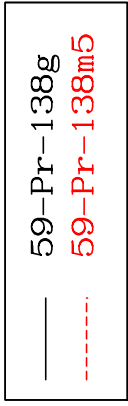
61-Pm-142

MAT 6134

(n,n') α

61-Pm-142

Radionuclide Production Cross Section



101

Incident Energy (MeV)

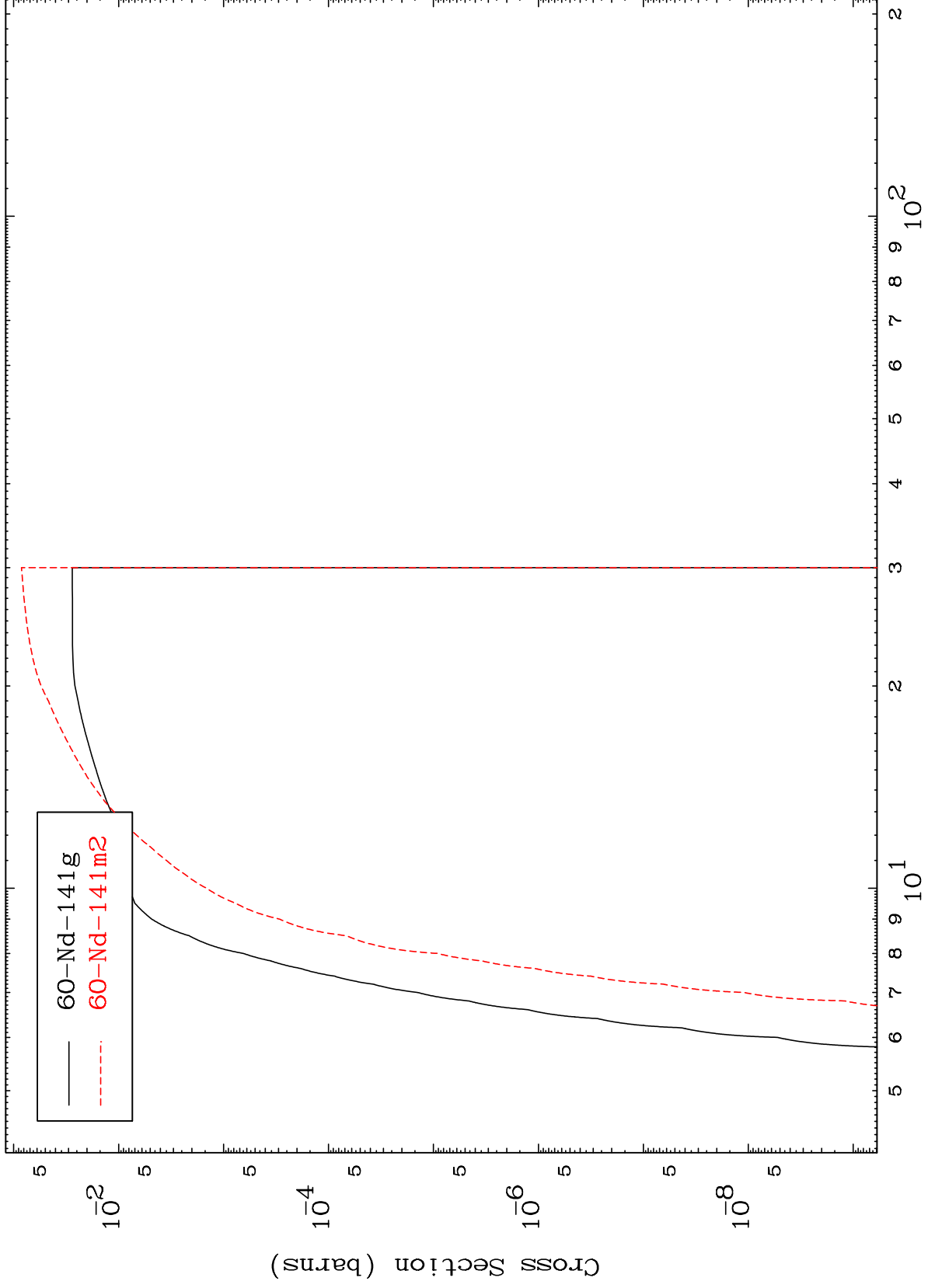
61-Pm-142

MAT 6134

(n,n') p

61-Pm-142

Radionuclide Production Cross Section



102

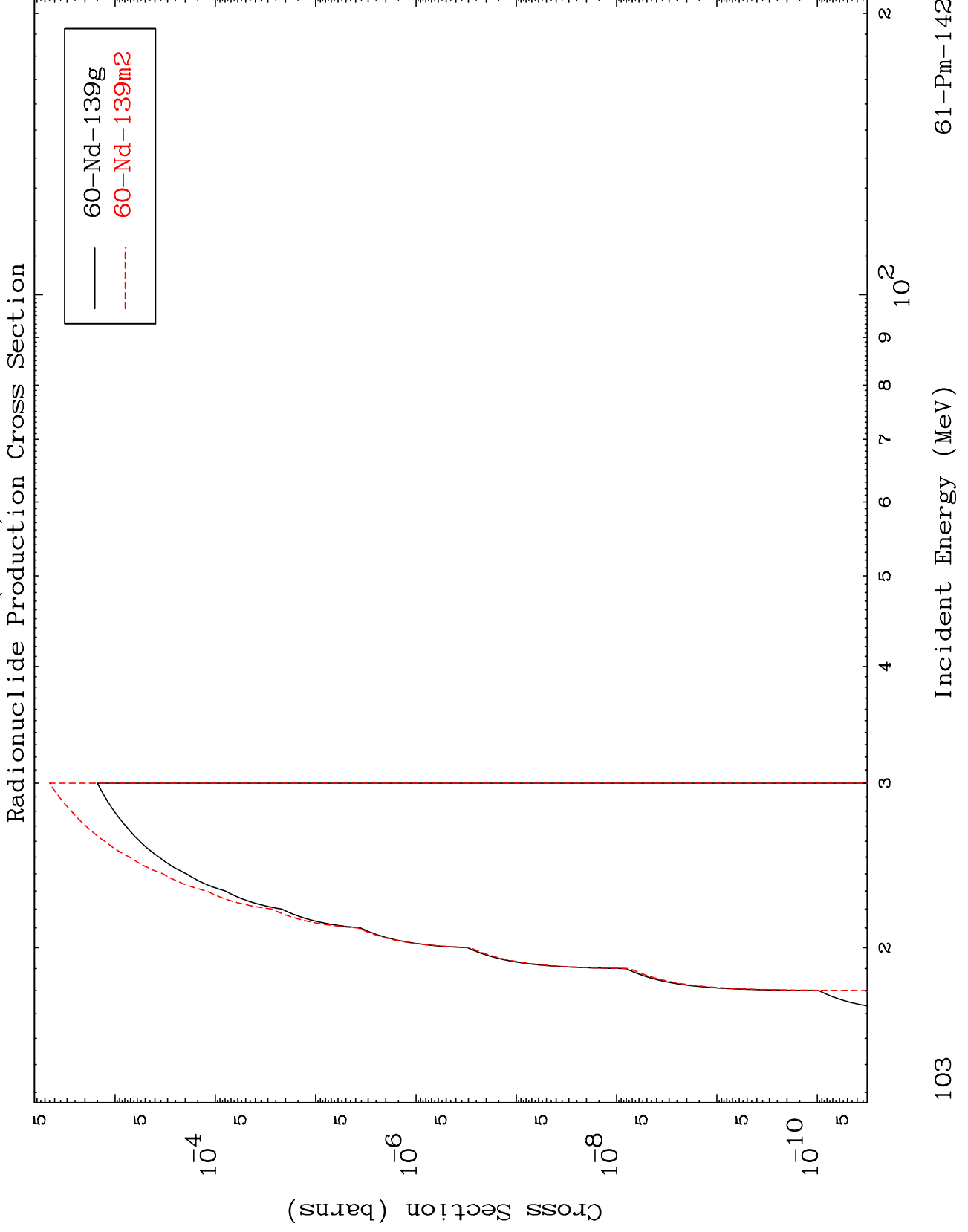
Incident Energy (MeV)

61-Pm-142

MAT 6134

(n,n') t

61-Pm-142



103

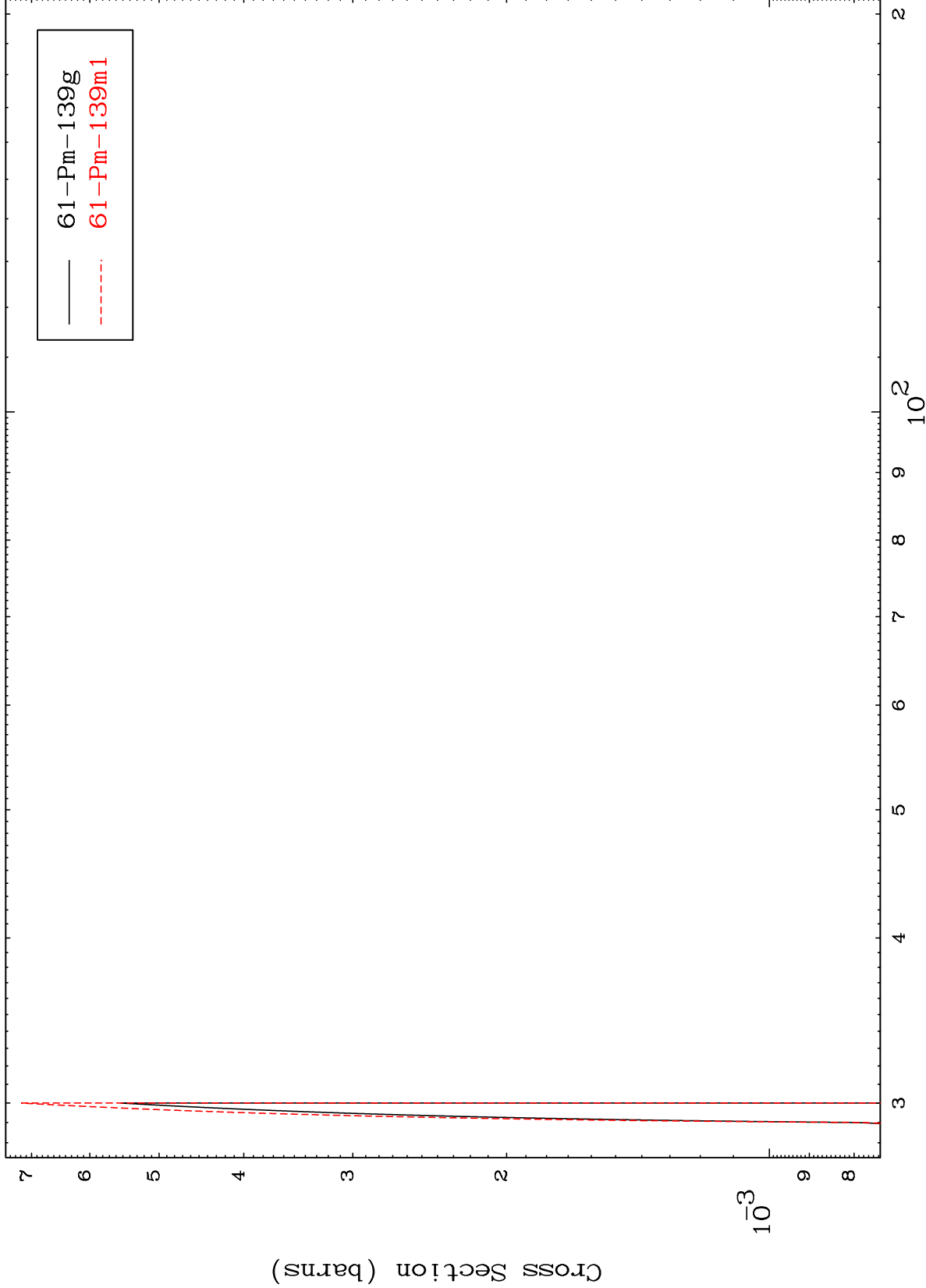
61-Pm-142

MAT 6134

(n,4n)

61-Pm-142

Radionuclide Production Cross Section



104

Incident Energy (MeV)

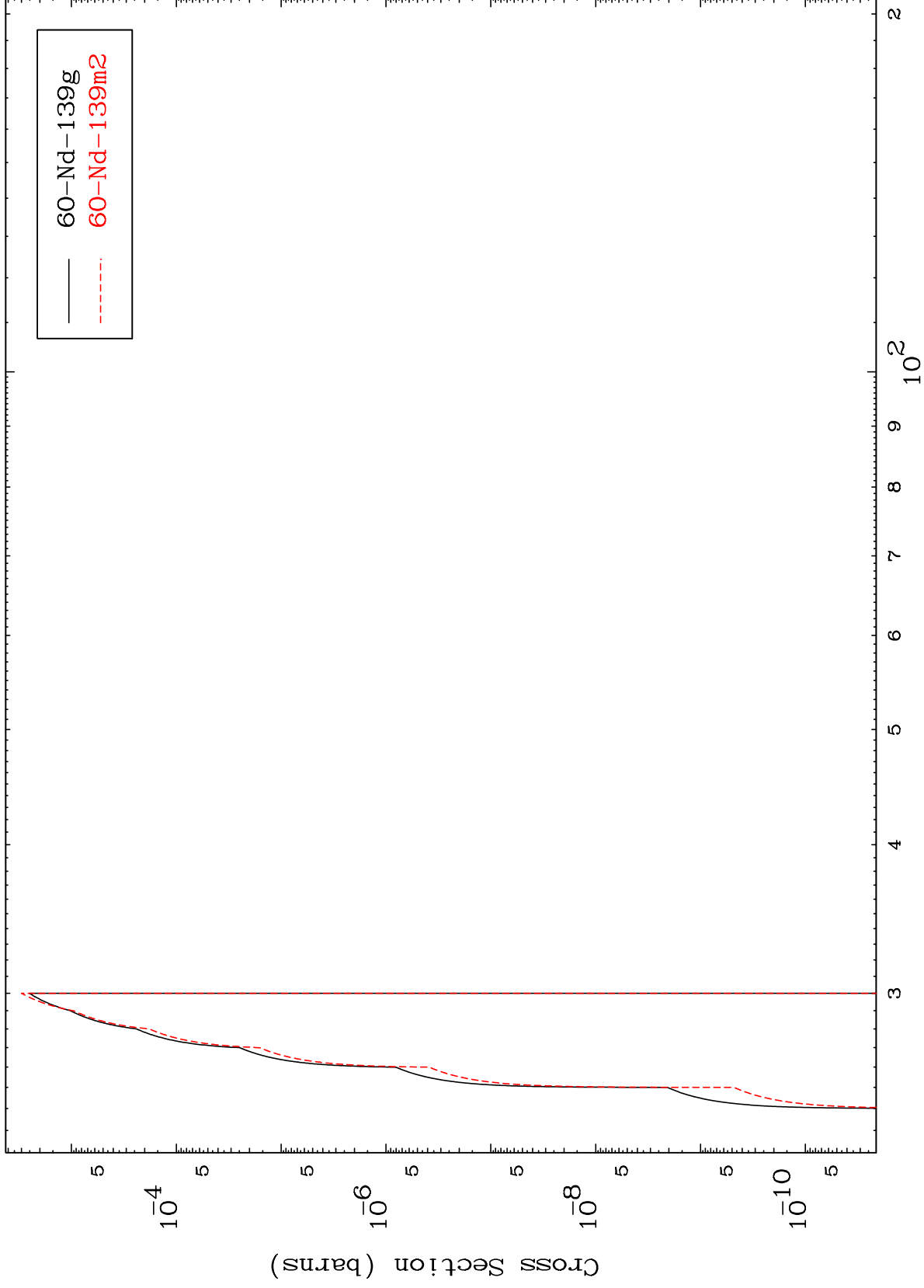
61-Pm-142

MAT 6134

(n,3n) p

61-Pm-142

Radionuclide Production Cross Section



105

Incident Energy (MeV)

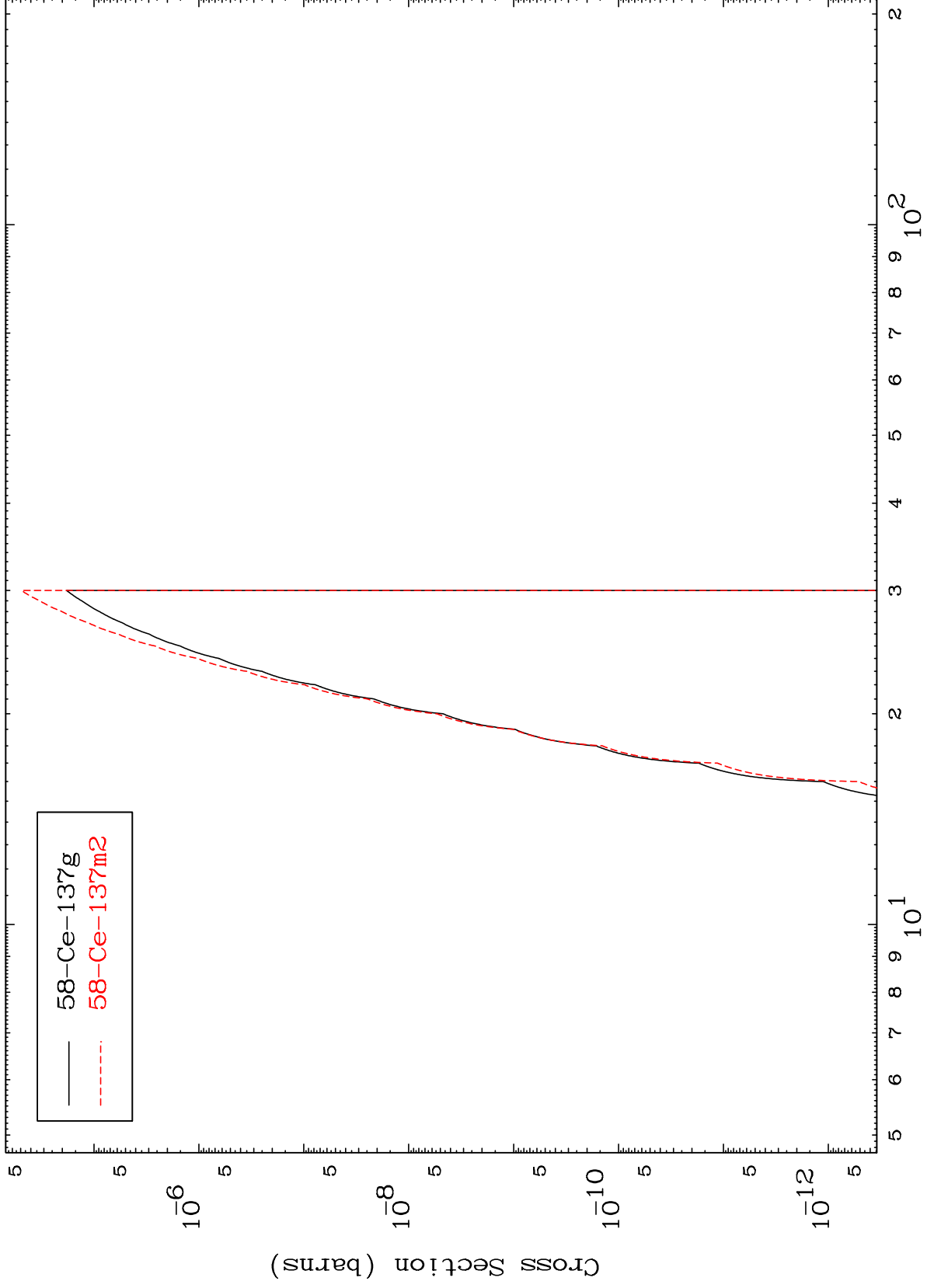
61-Pm-142

MAT 6134

(n,n') p α

61-Pm-142

Radionuclide Production Cross Section



106

Incident Energy (MeV)

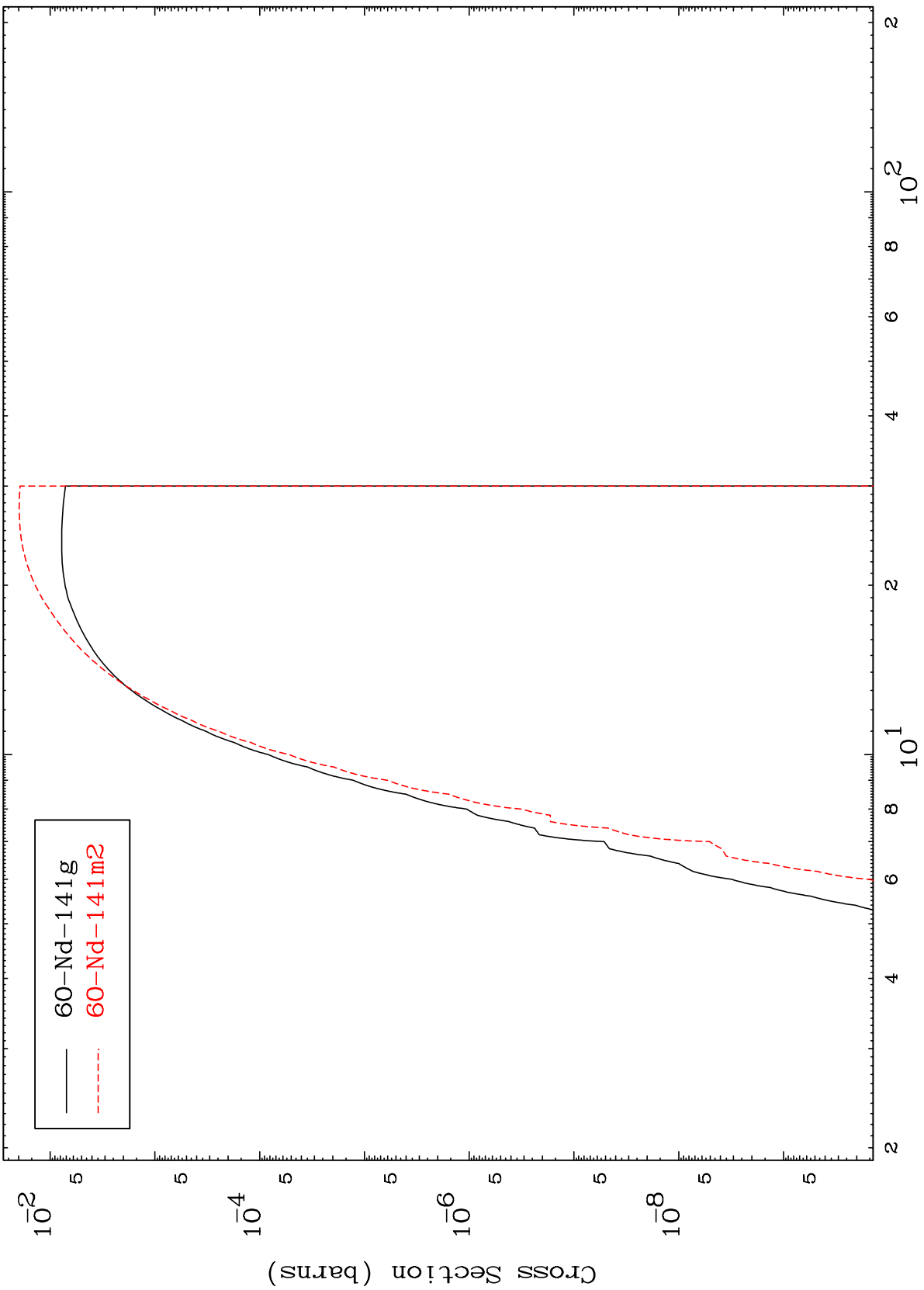
61-Pm-142

MAT 6134

(n,d)

61-Pm-142

Radionuclide Production Cross Section



107

Incident Energy (MeV)

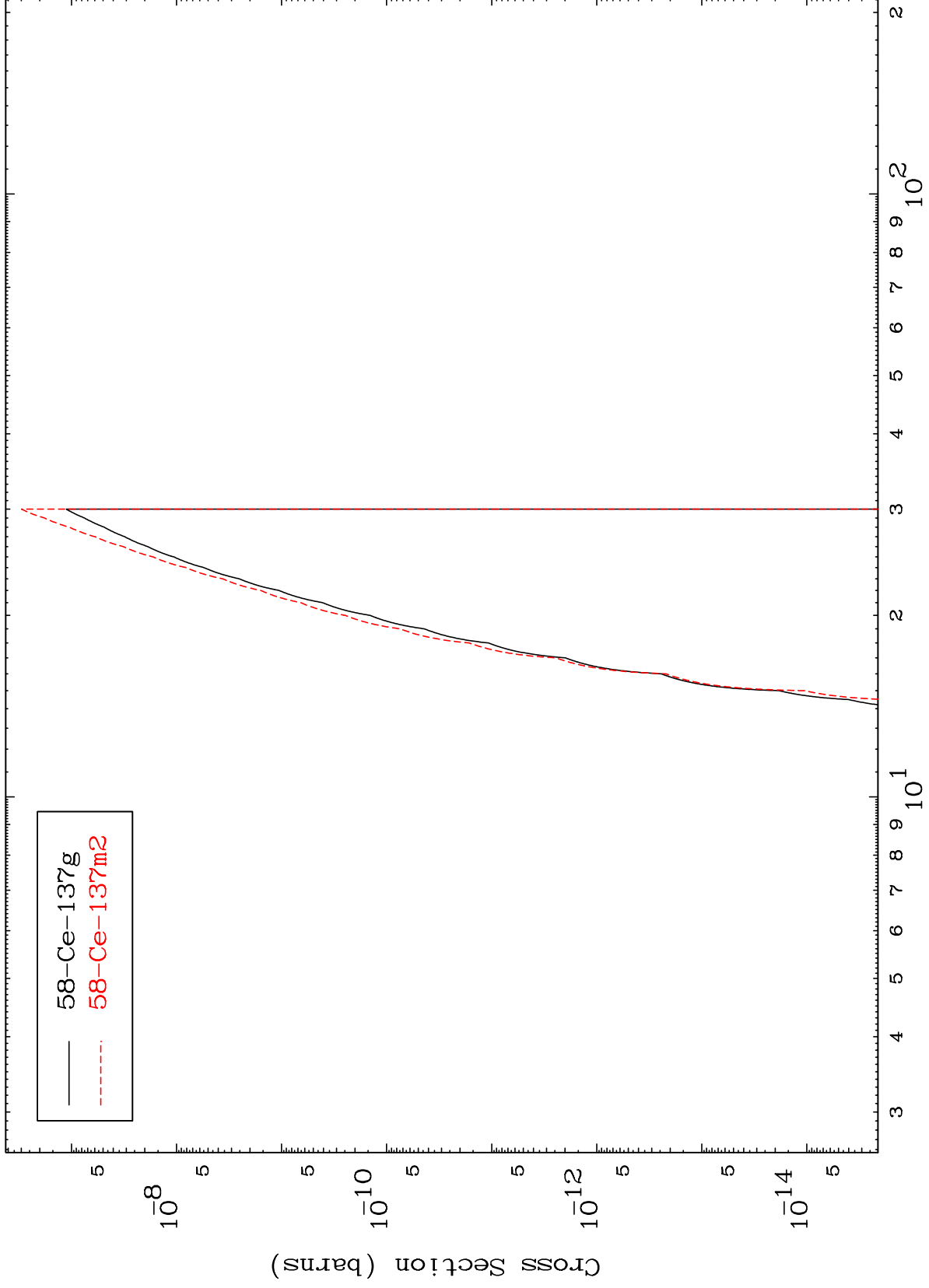
61-Pm-142

MAT 6134

(n,d) α

61-Pm-142

Radionuclide Production Cross Section



108

Incident Energy (MeV)

61-Pm-142