

Program EVALPLOT
(Version 2021-1)

by

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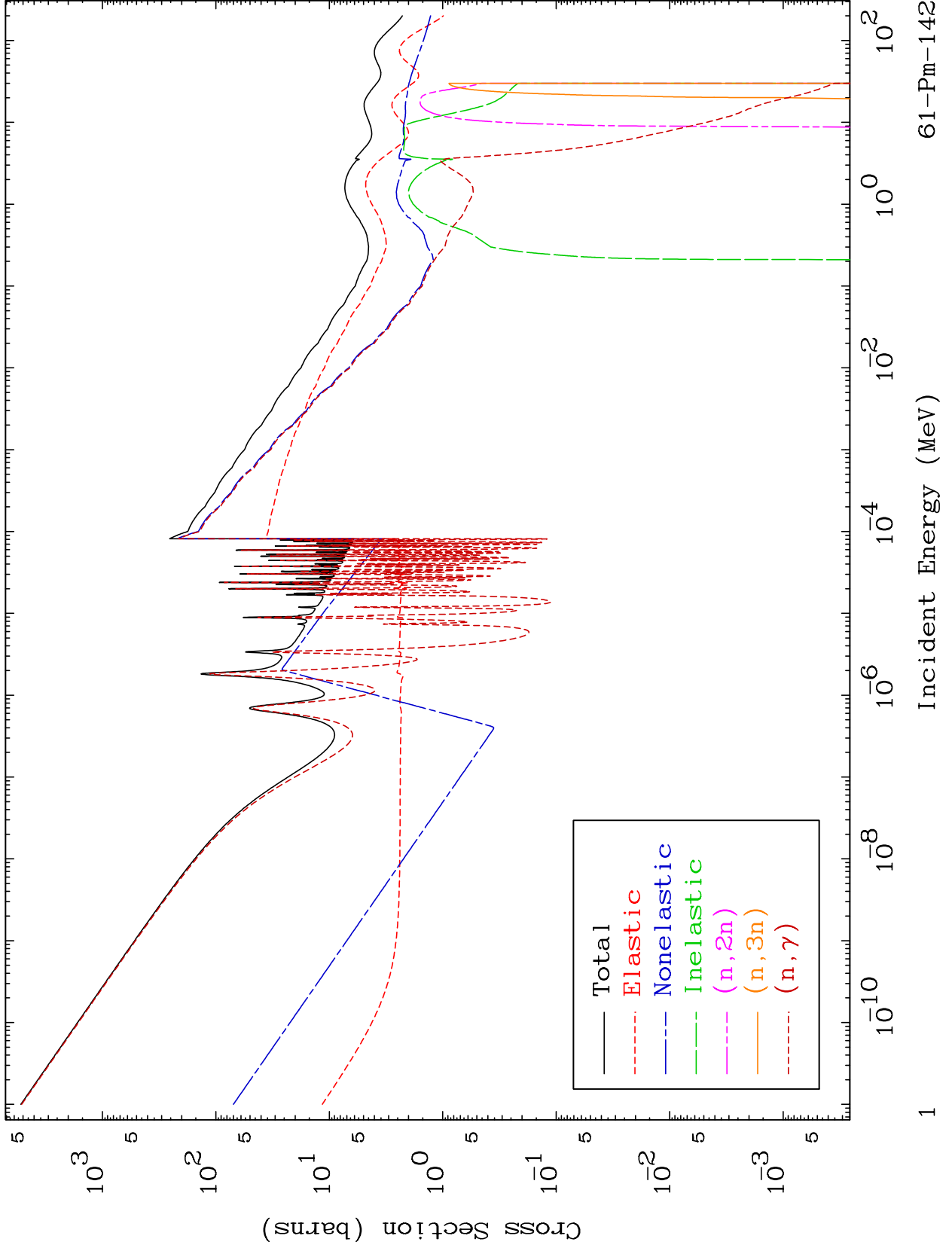
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Press Mouse Button to Start

MAT 6134

Neutron Major
293 Kelvin Cross Sections

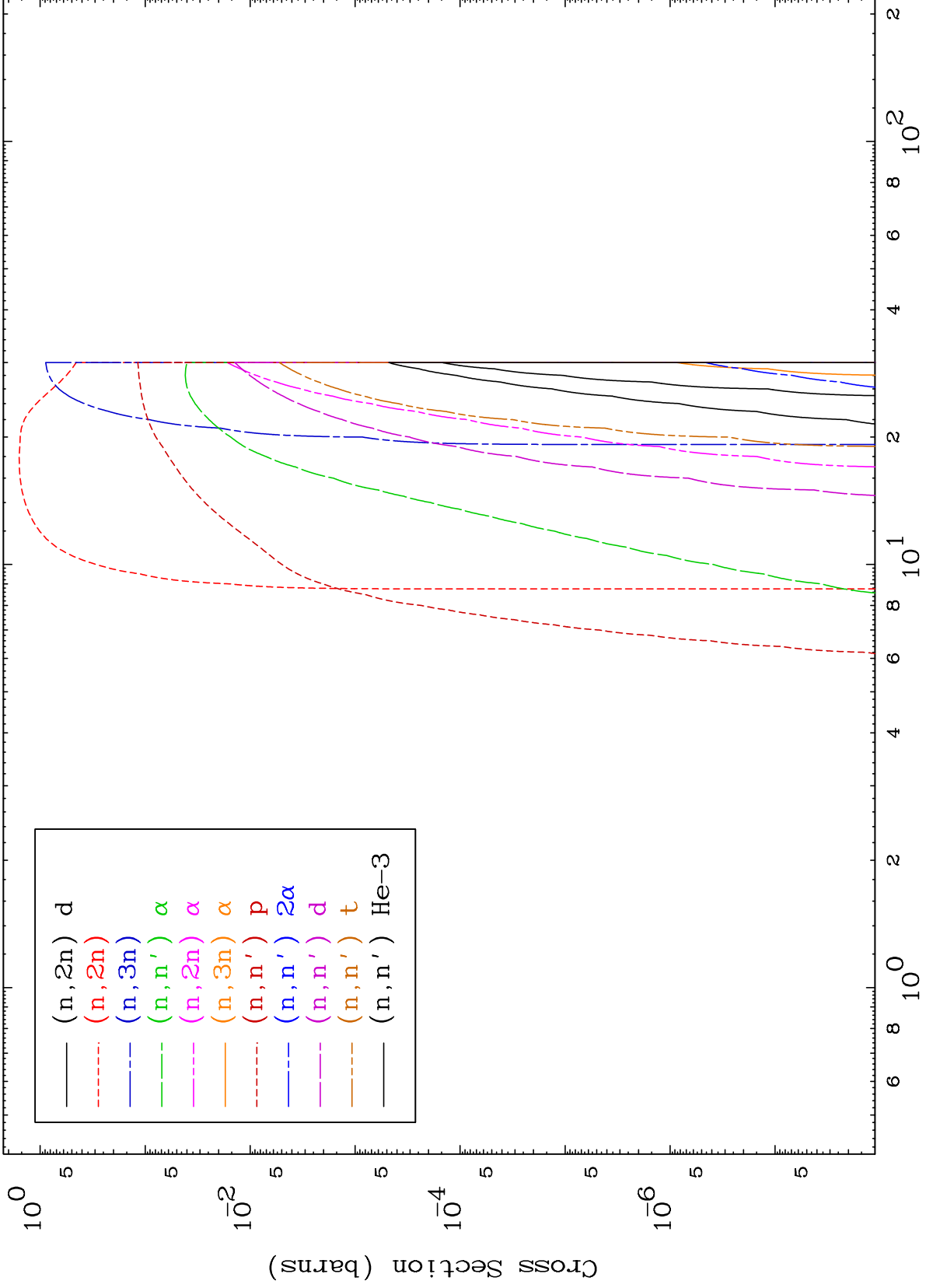
61-Pm-142



MAT 6134

Neutron Absorption
293 Kelvin Cross Sections

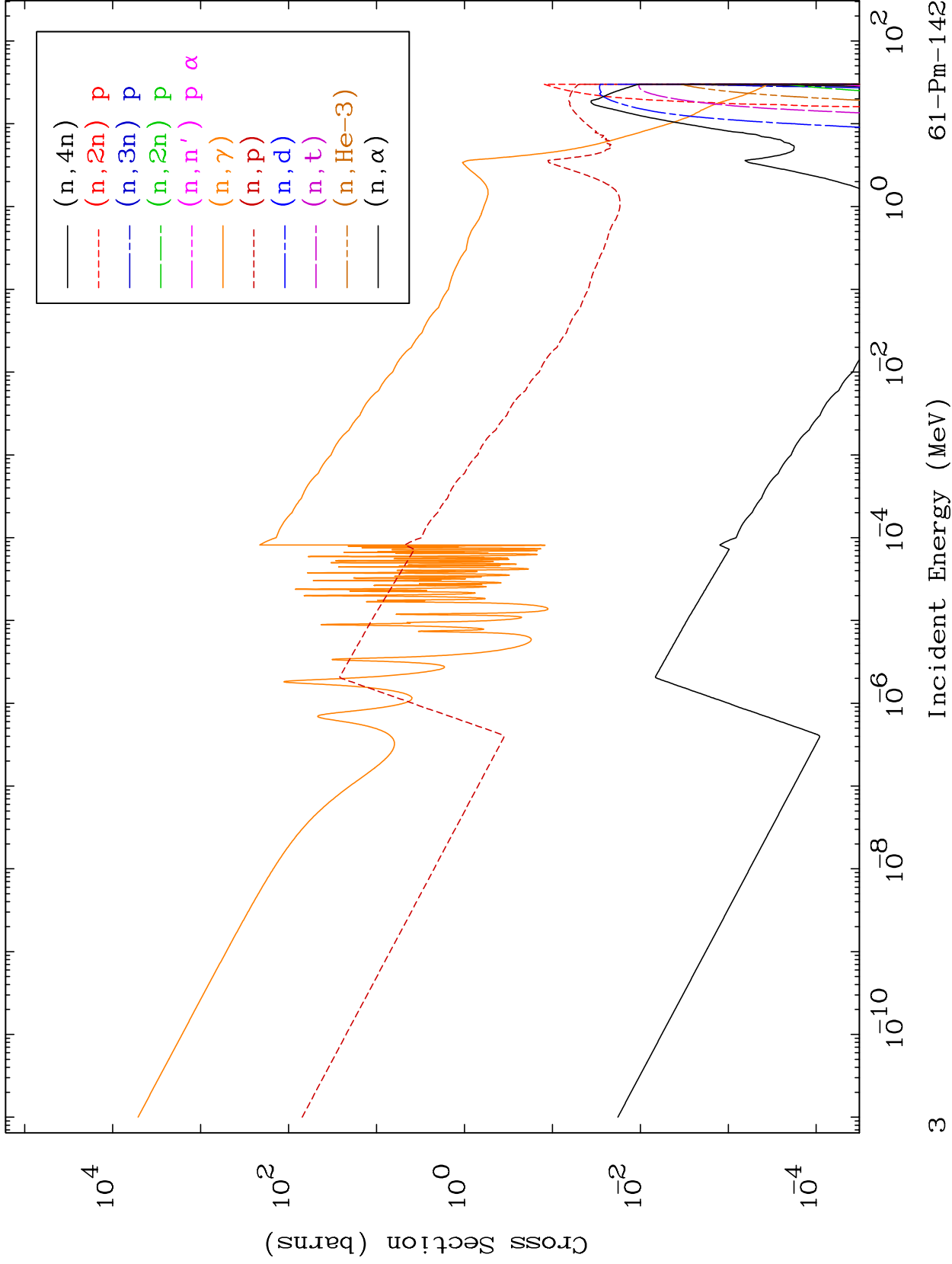
61-Pm-142



MAT 6134

Neutron Absorption
293 Kelvin Cross Sections

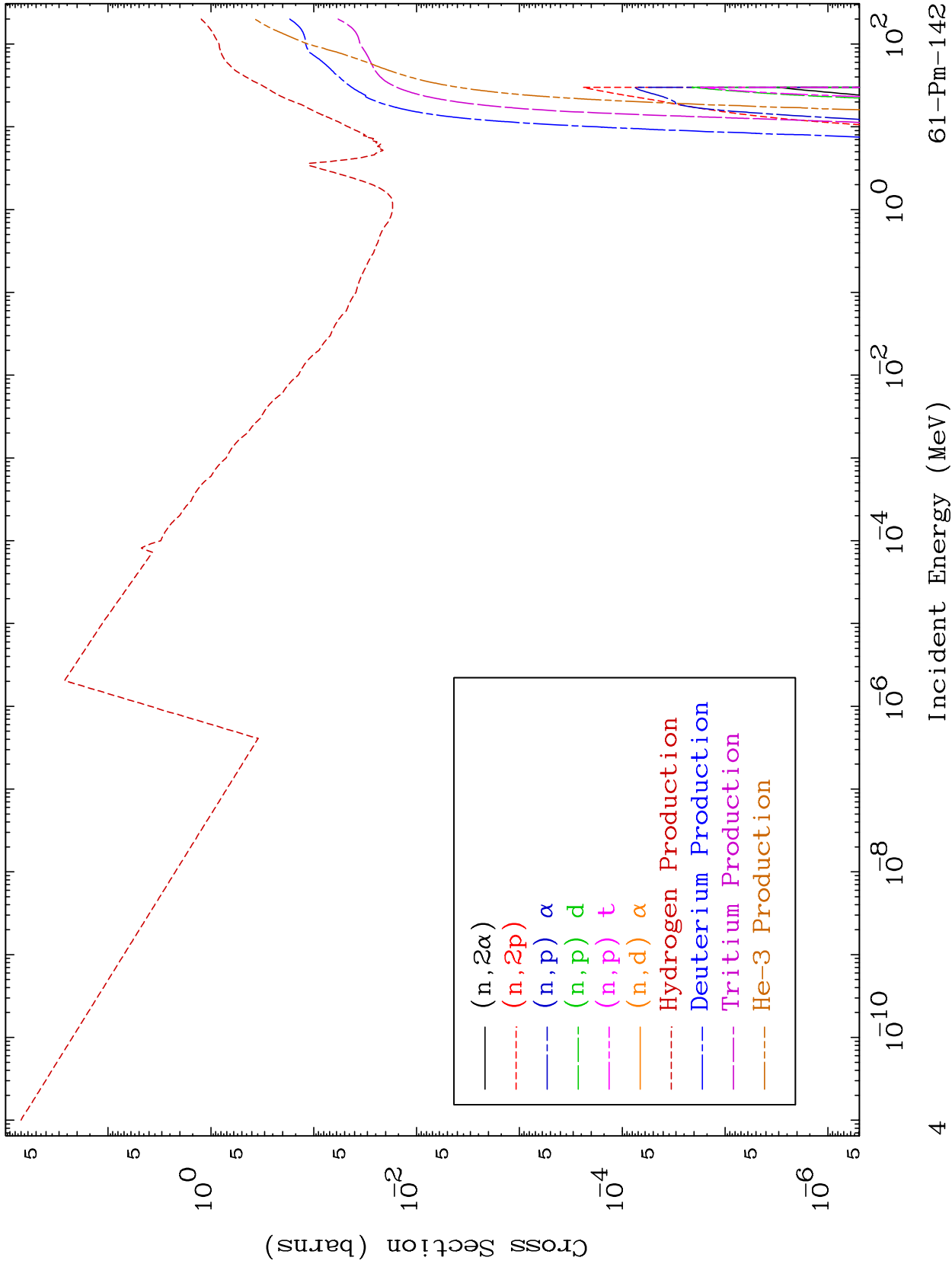
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MAT 6134

Neutron Absorption
293 Kelvin Cross Sections

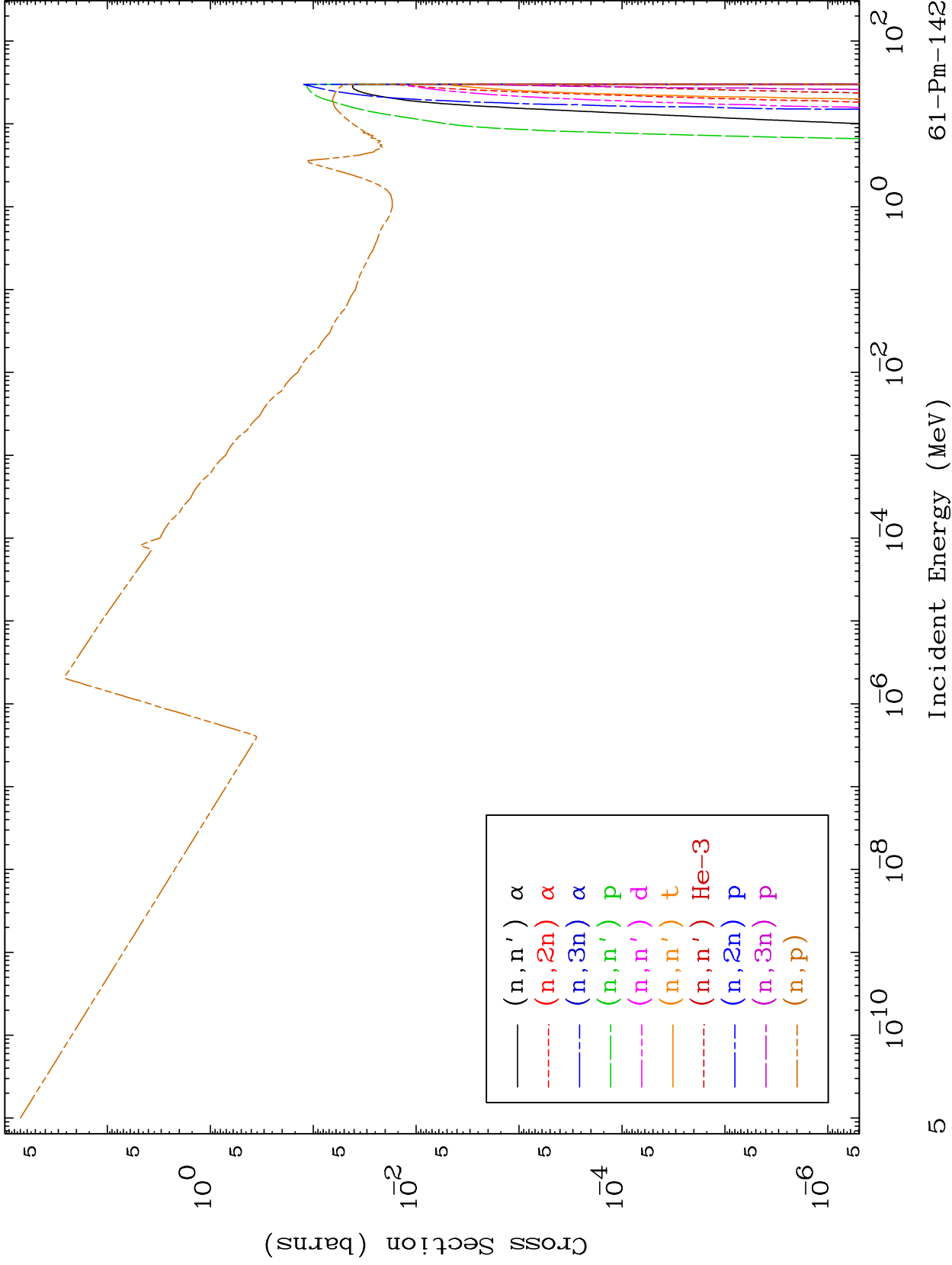
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MAT 6134

Charged Particle
293 Kelvin Cross Sections

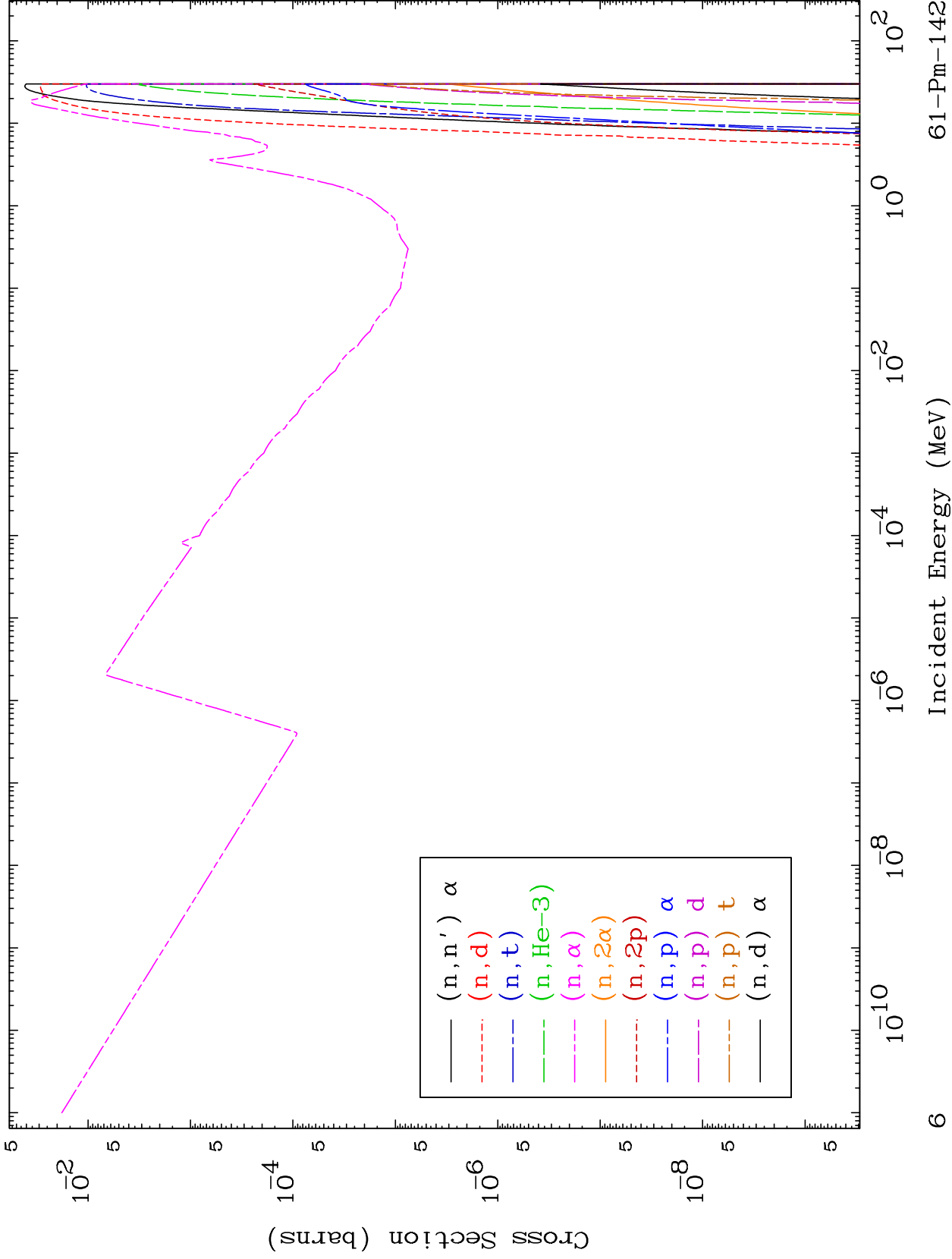
61-Pm-142



MAT 6134

Charged Particle
293 Kelvin Cross Sections

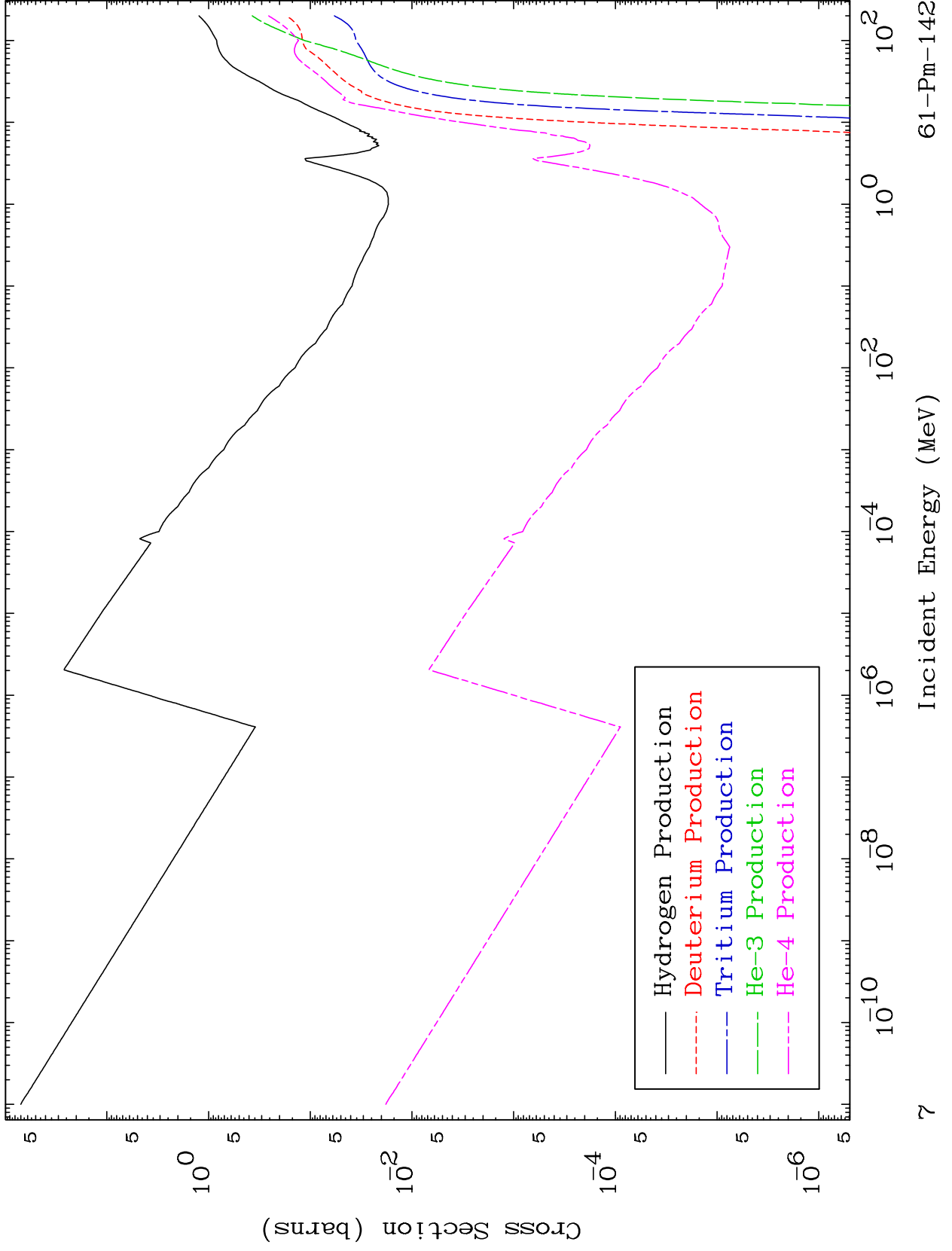
61-Pm-142



MAT 6134

Particle Production
293 Kelvin Cross Sections

61-Pm-142

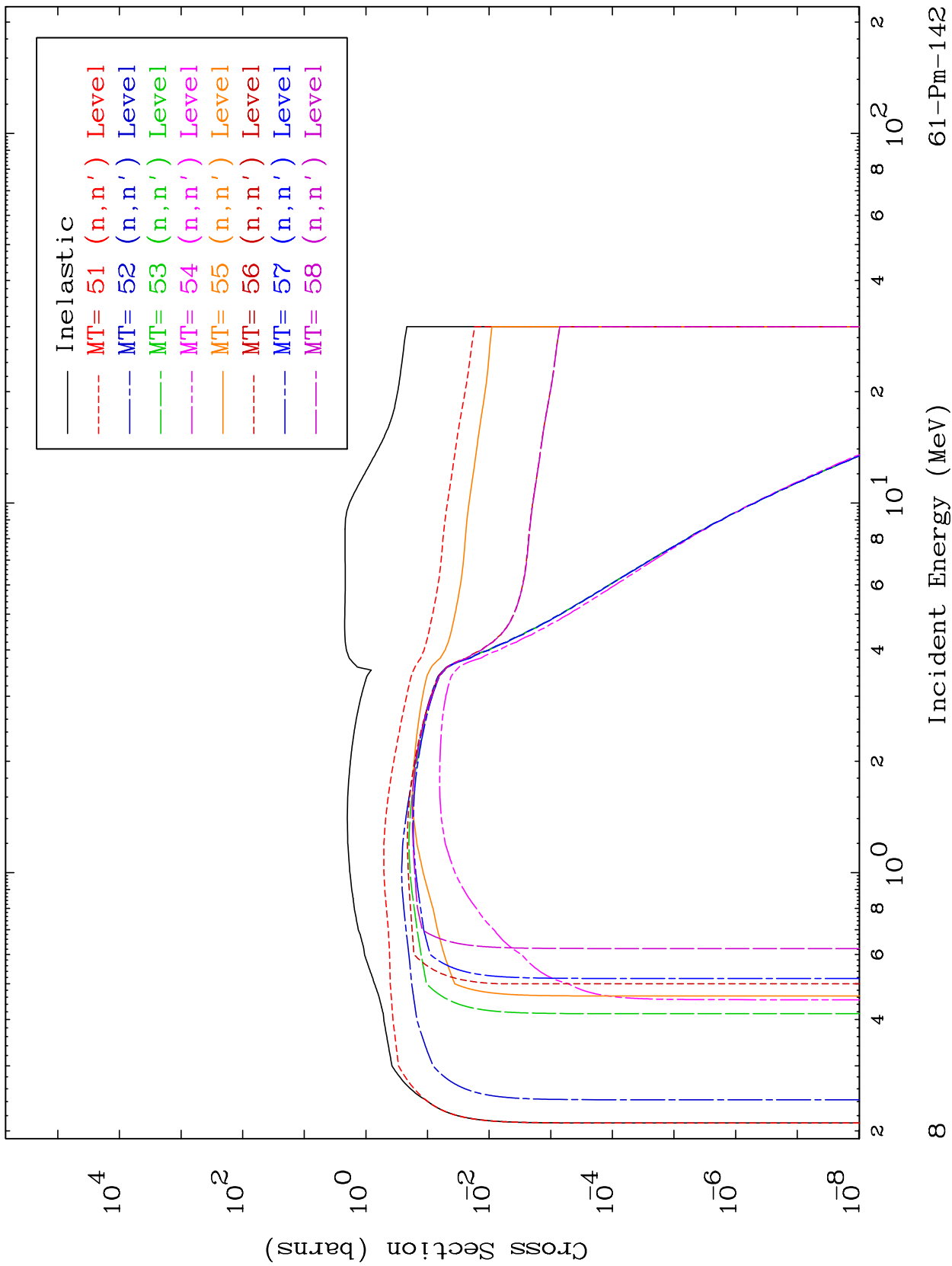


MAT 6134

(n,n') Levels

61-Pm-142

293 Kelvin Cross Sections



61-Pm-142

Incident Energy (MeV)

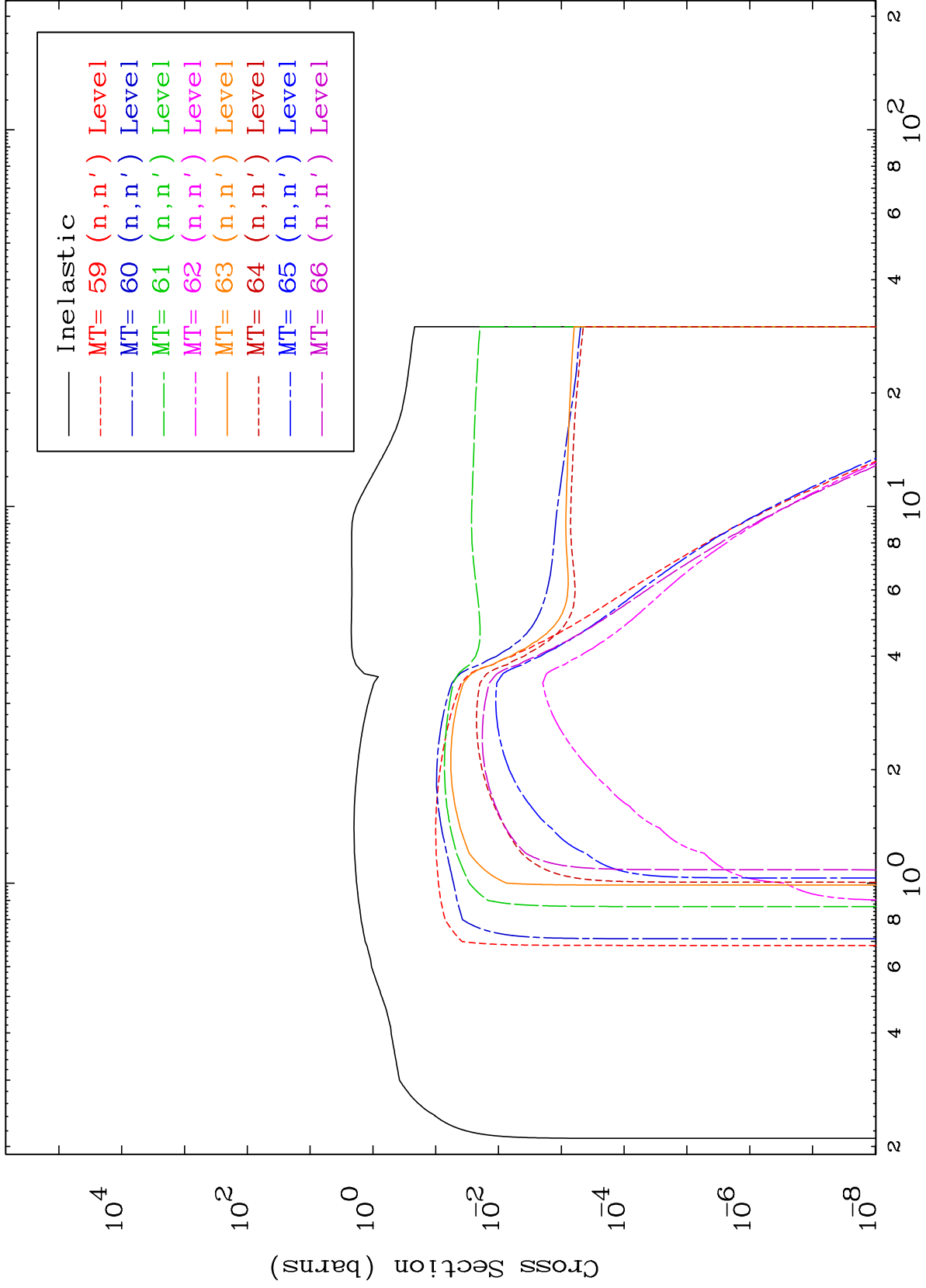
8

MAT 6134

(n,n') Levels

61-Pm-142

293 Kelvin Cross Sections



9

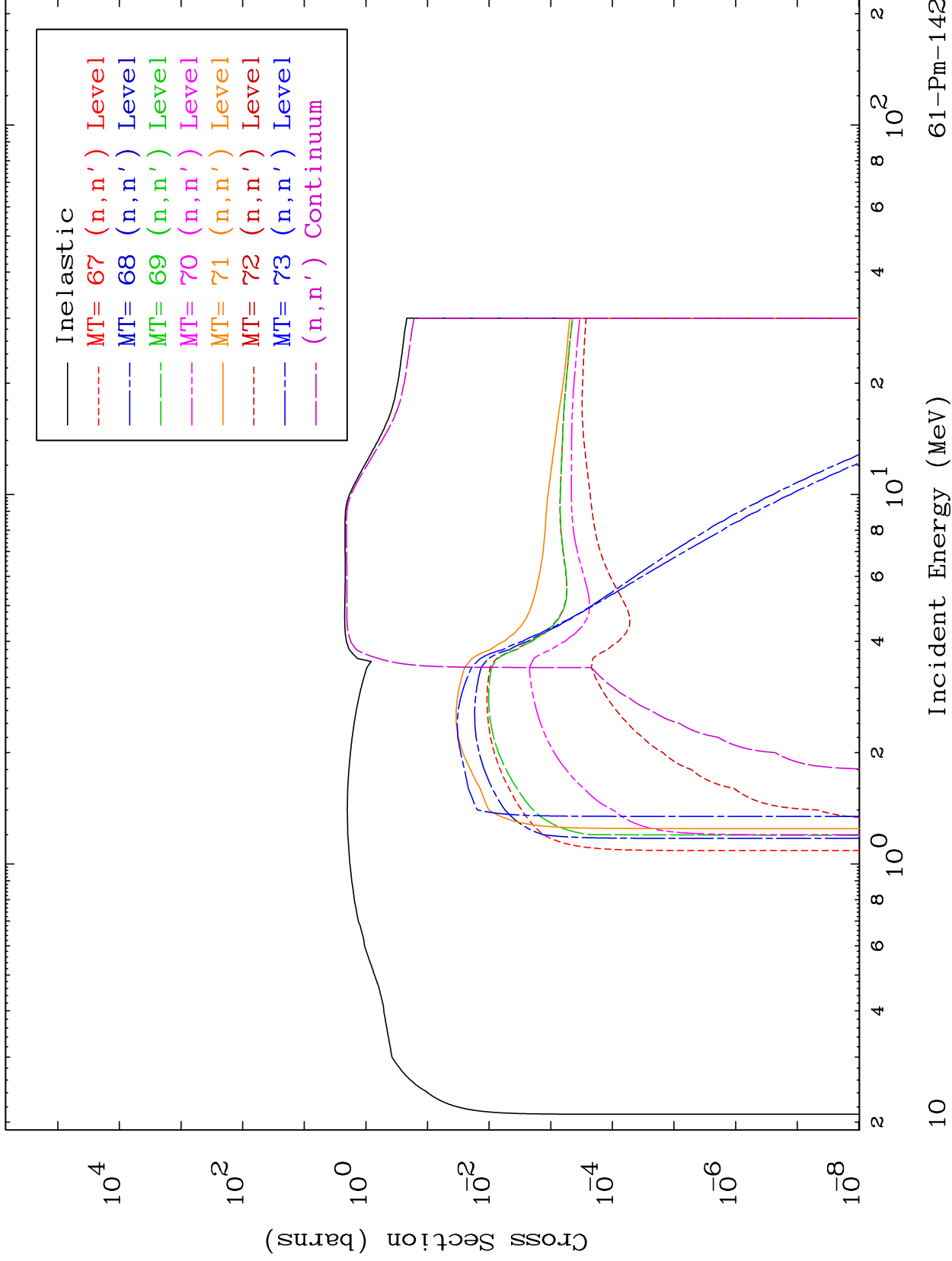
Incident Energy (MeV)

61-Pm-142

MAT 6134

(n,n') Levels
293 Kelvin Cross Sections

61-Pm-142



61-Pm-142

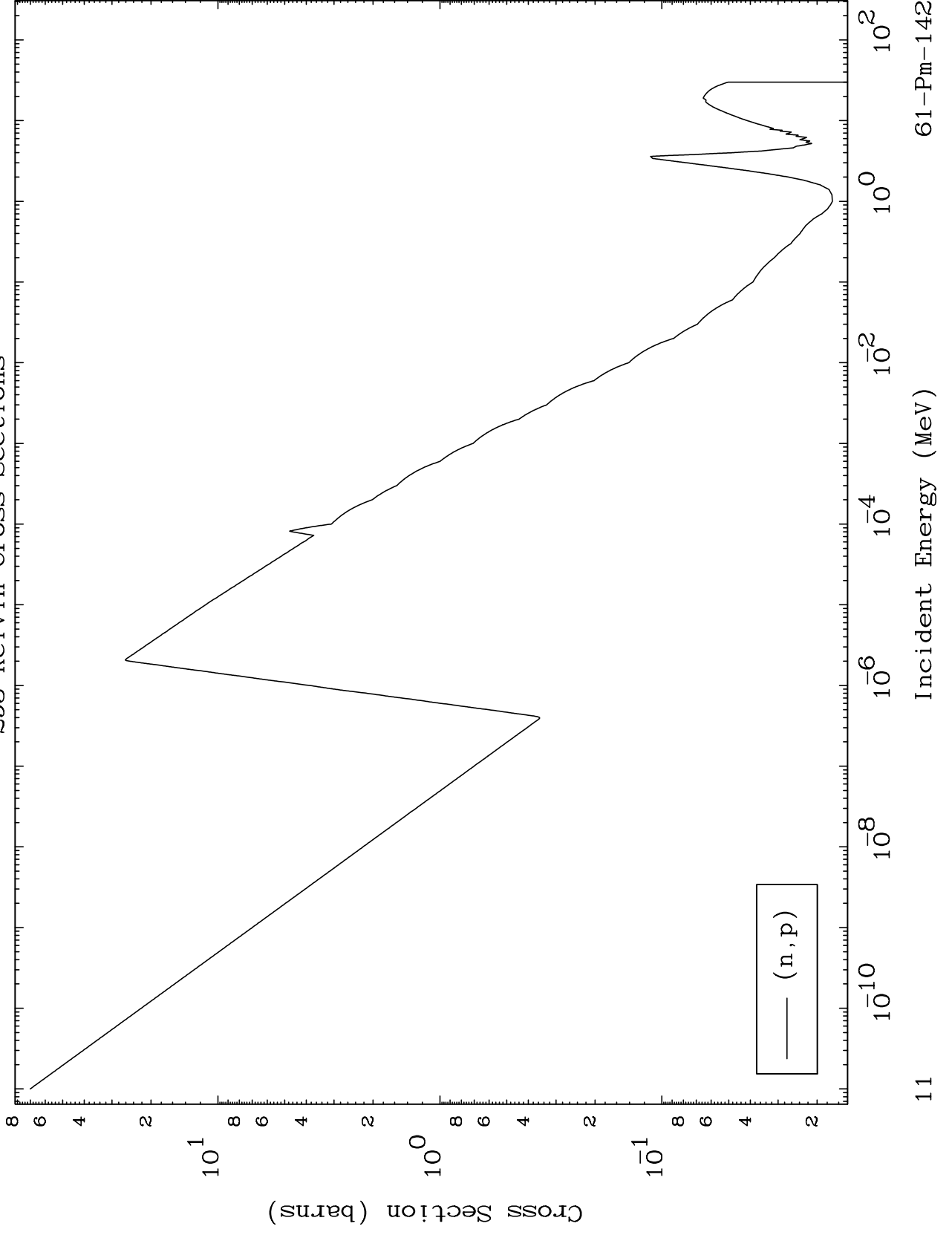
Incident Energy (MeV)

10

MAT 6134

(n,p) Levels
293 Kelvin Cross Sections

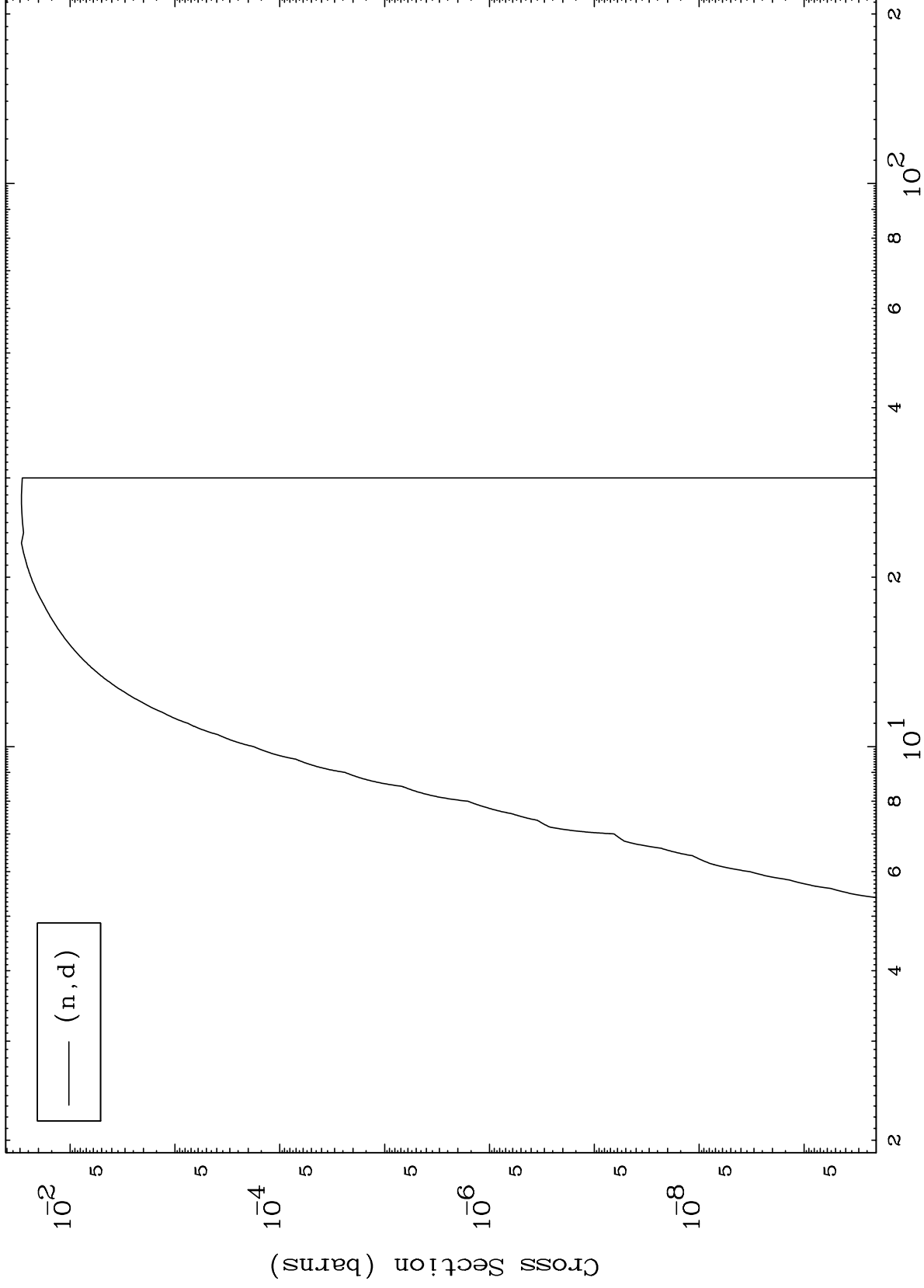
61-Pm-142



MAT 6134

(n,d) Levels
293 Kelvin Cross Sections

61-Pm-142



12

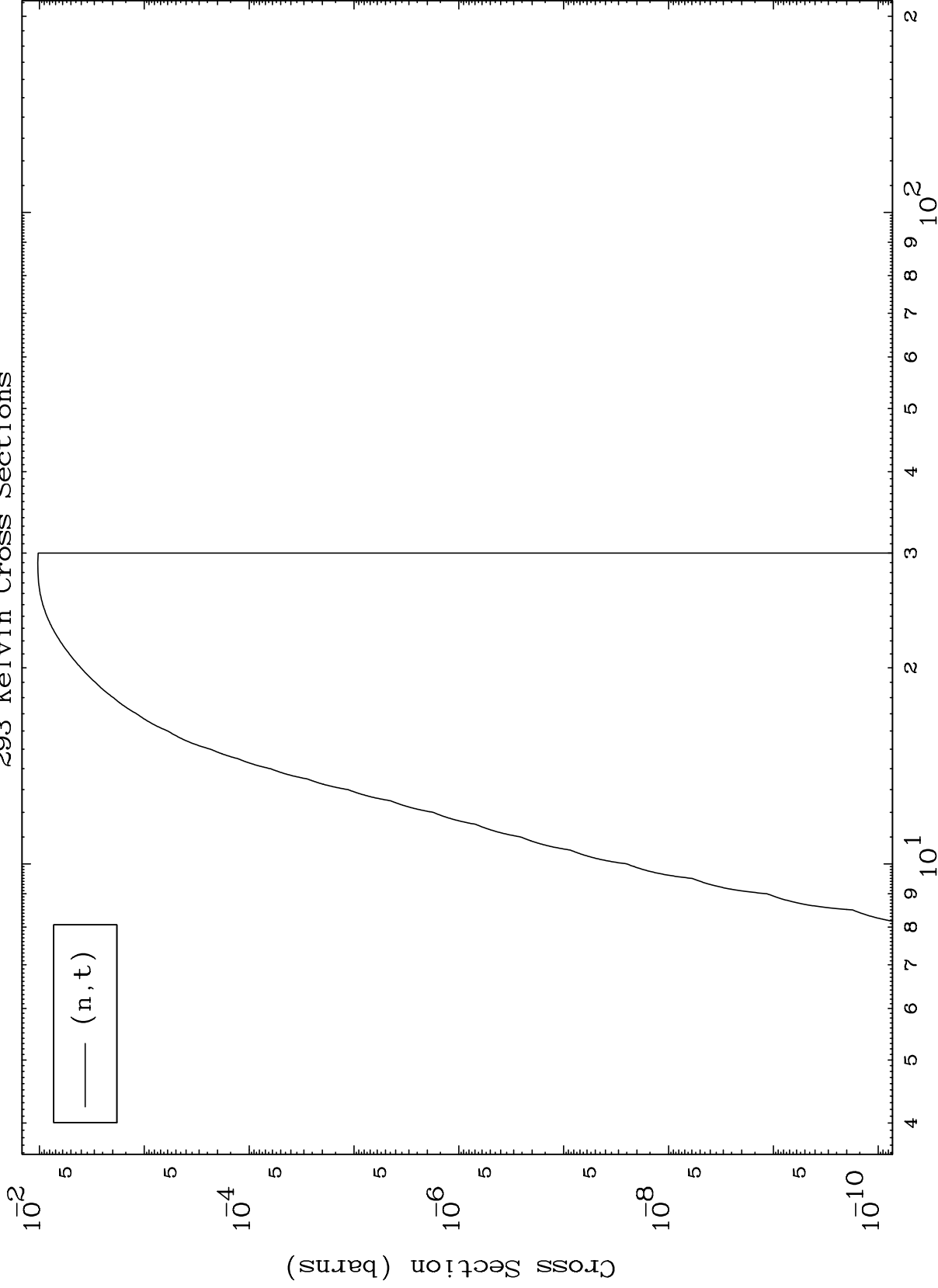
Incident Energy (MeV)

61-Pm-142

MAT 6134

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-142



13

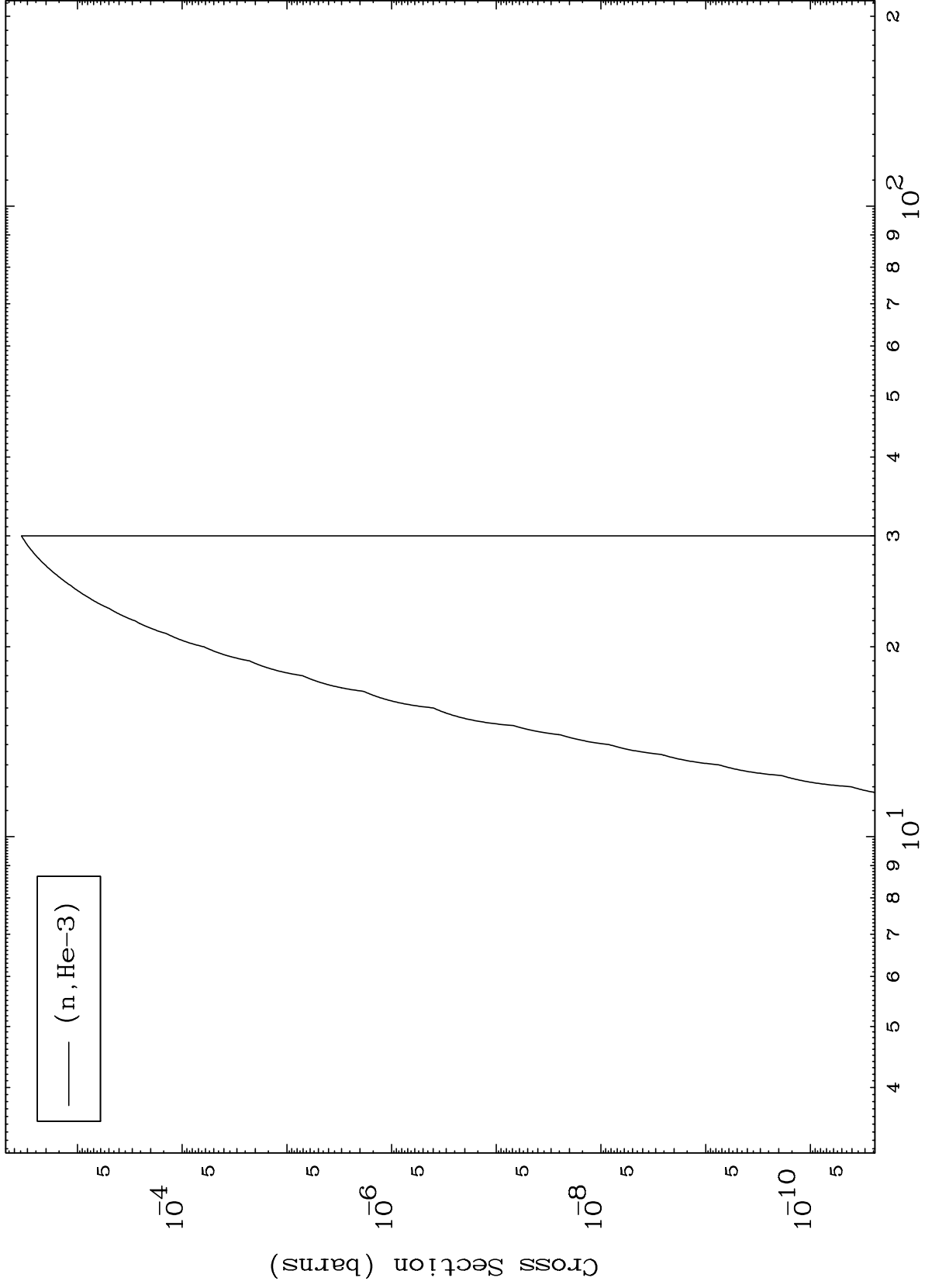
Incident Energy (MeV)

61-Pm-142

MAT 6134

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-142



14

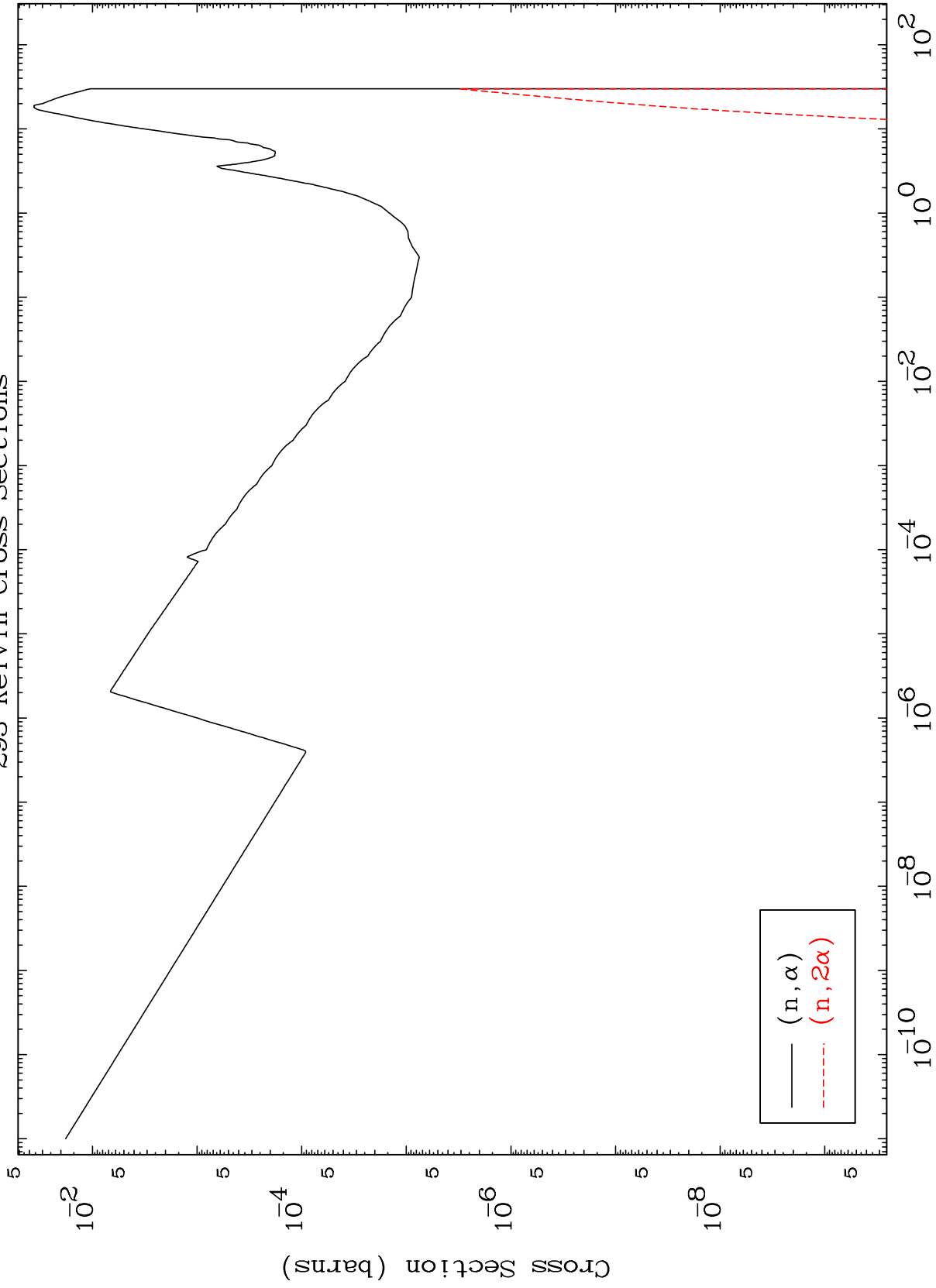
Incident Energy (MeV)

61-Pm-142

MAT 6134

(n, α) Levels
293 Kelvin Cross Sections

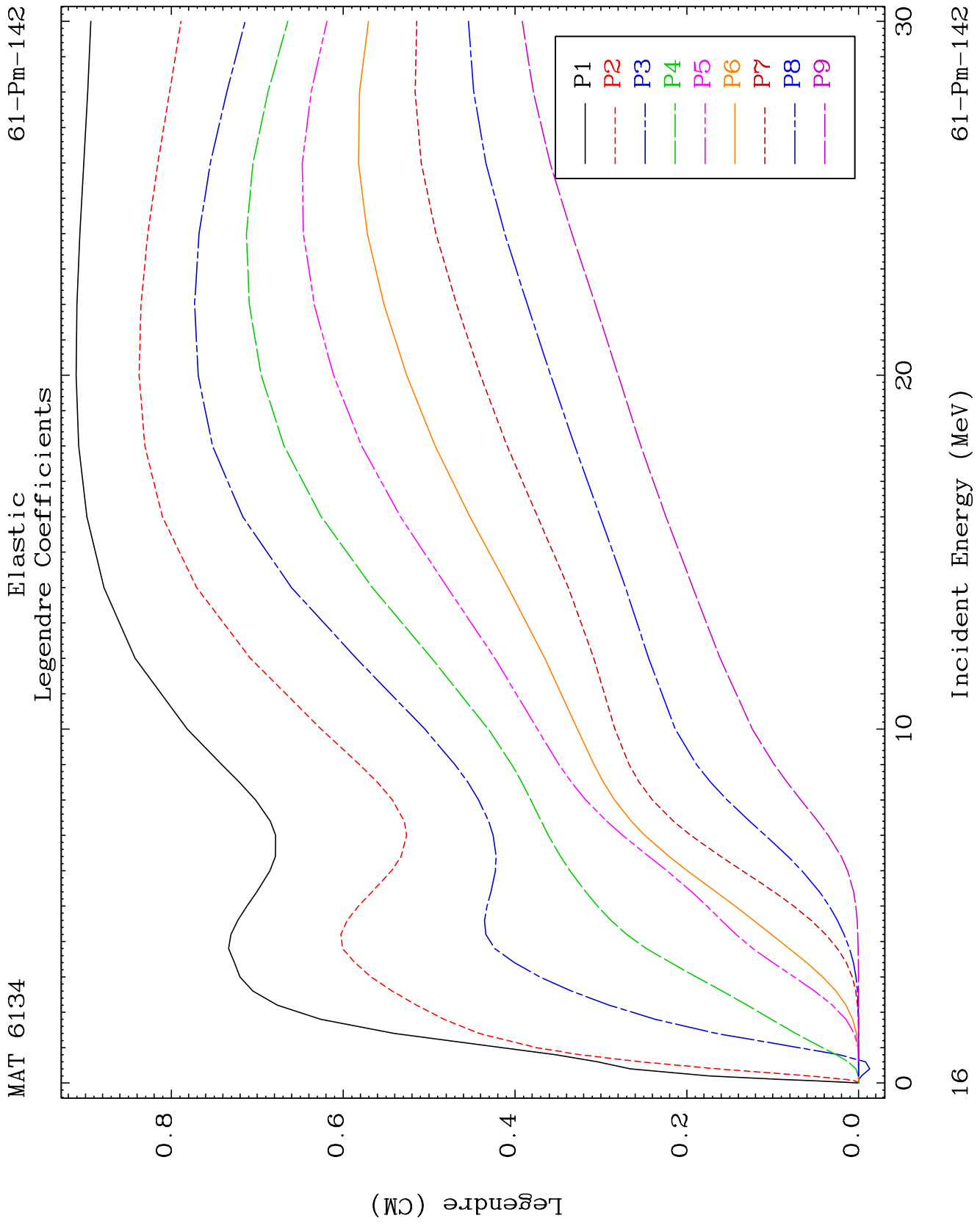
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15

Incident Energy (MeV)

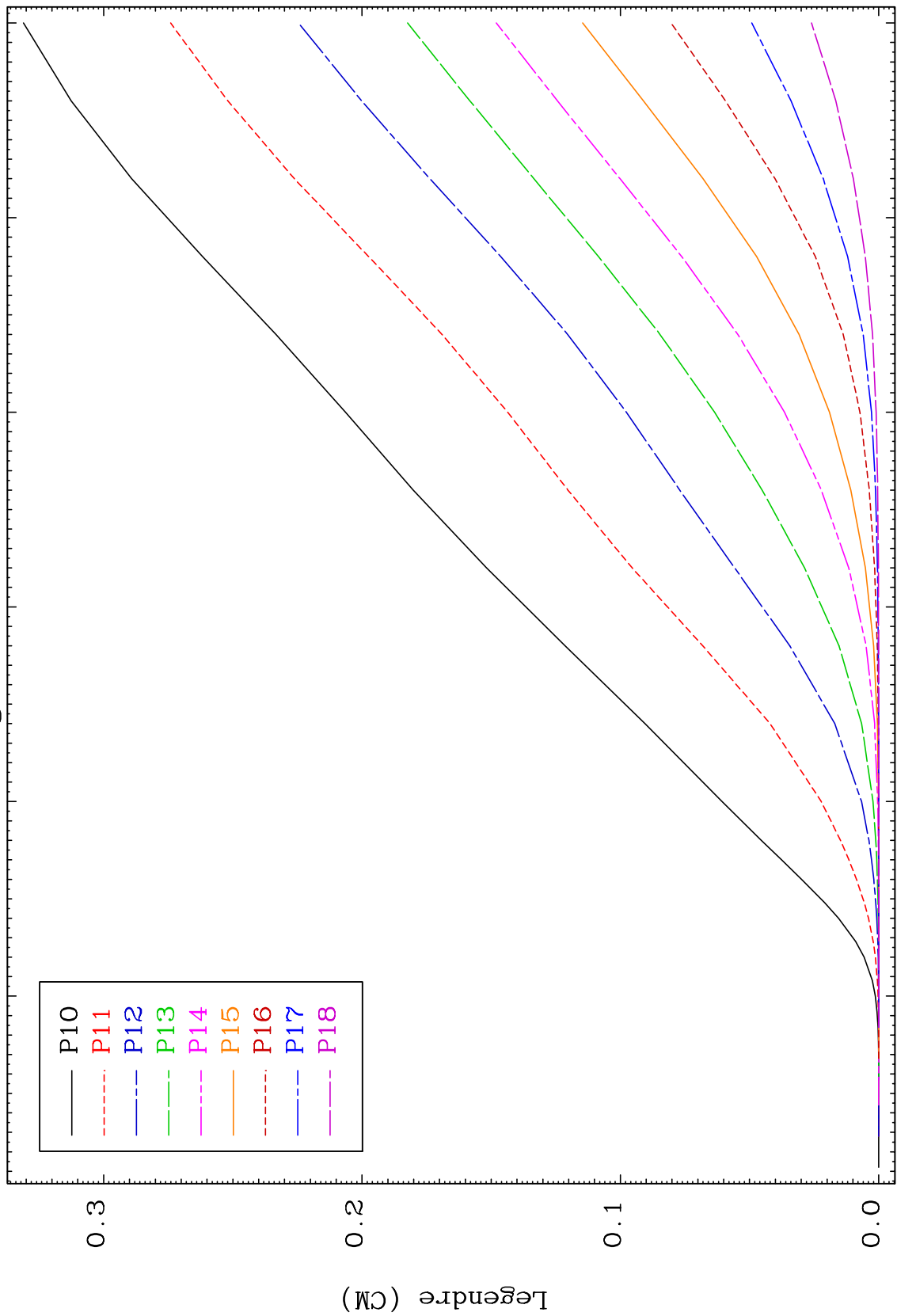
61-Pm-142



MAT 6134

Elastic Legendre Coefficients

61-Pm-142



17

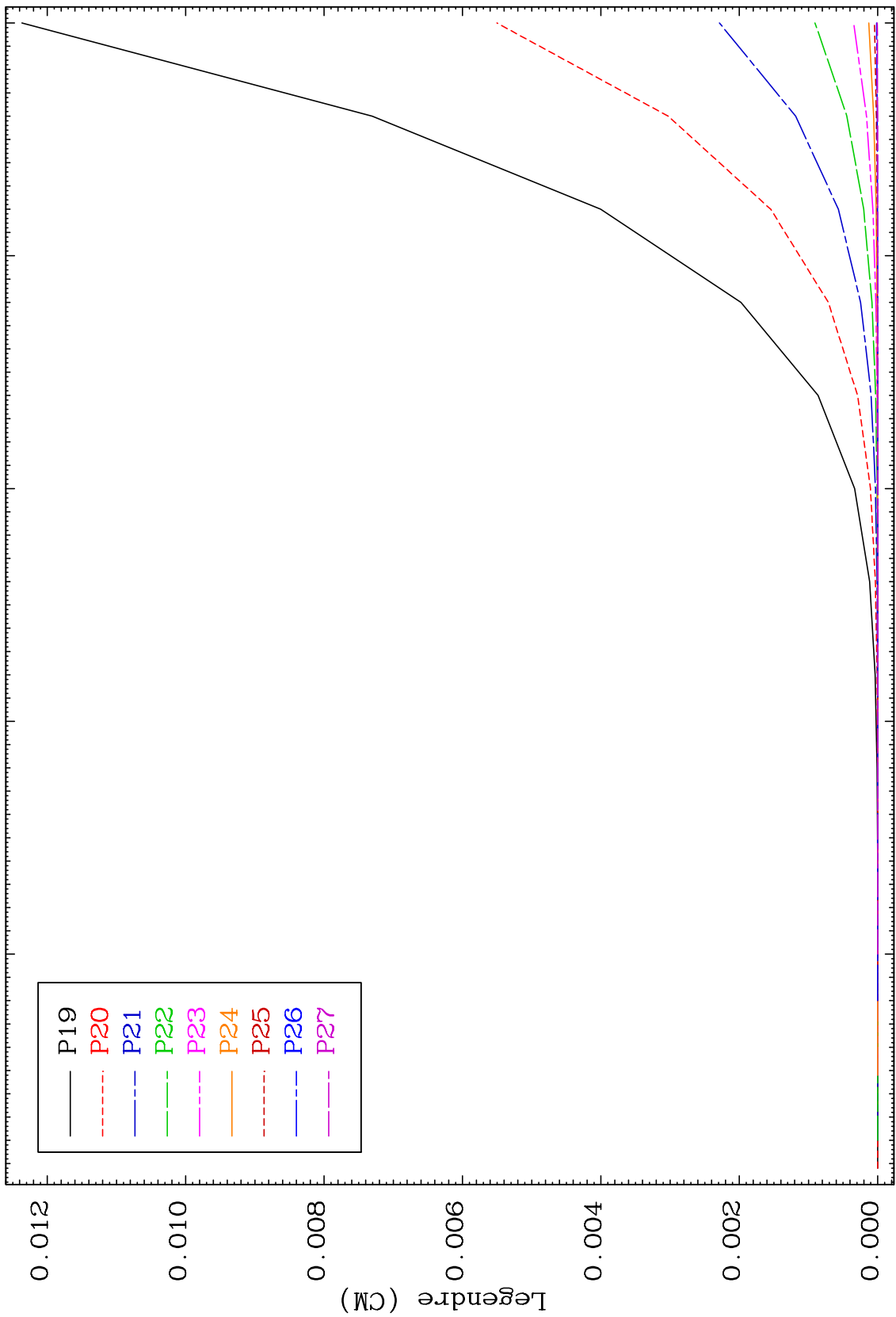
Incident Energy (MeV)

61-Pm-142

MAT 6134

Elastic Legendre Coefficients

61-Pm-142



18

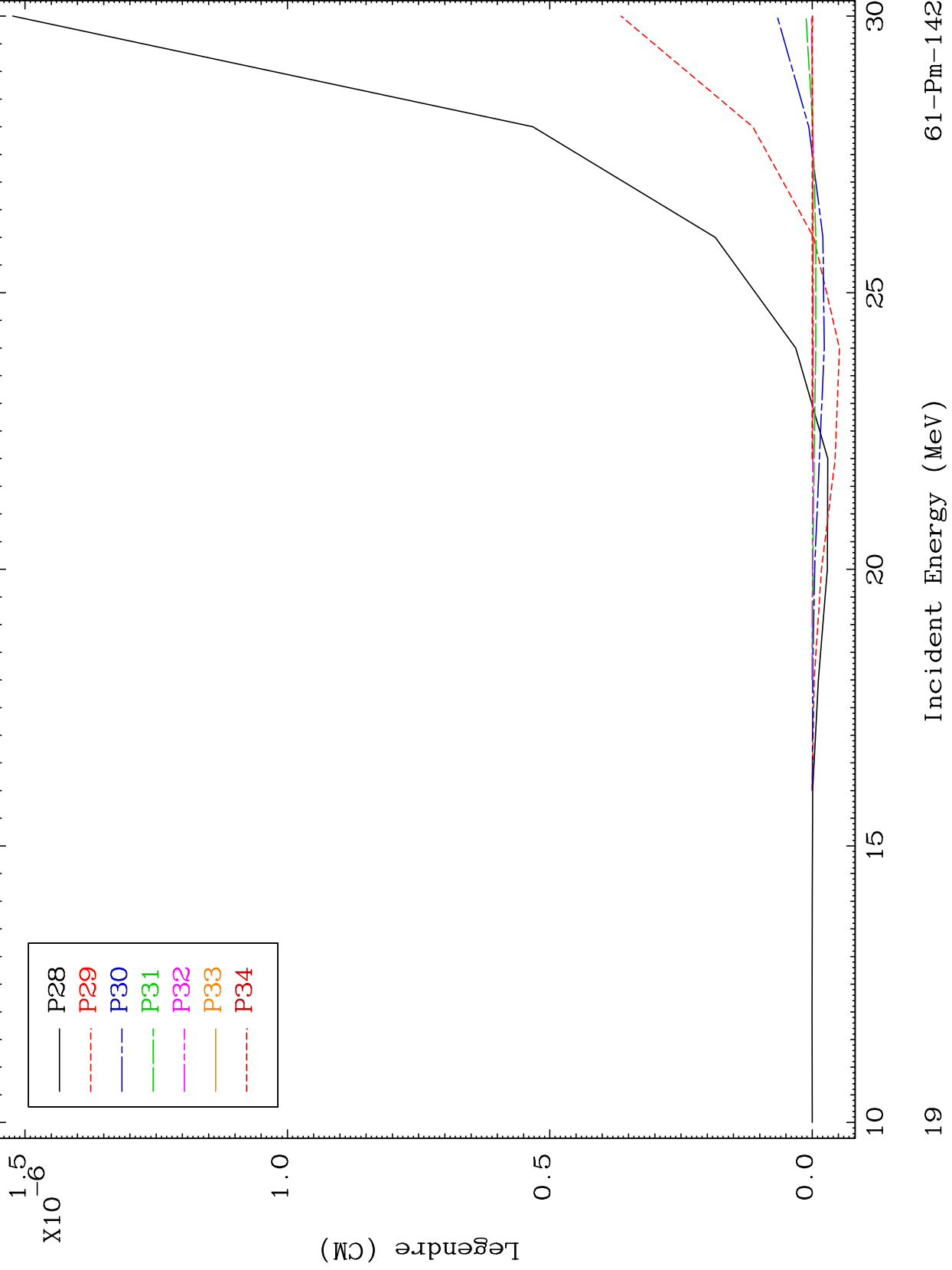
Incident Energy (MeV)

61-Pm-142

MAT 6134

Elastic
Legendre Coefficients

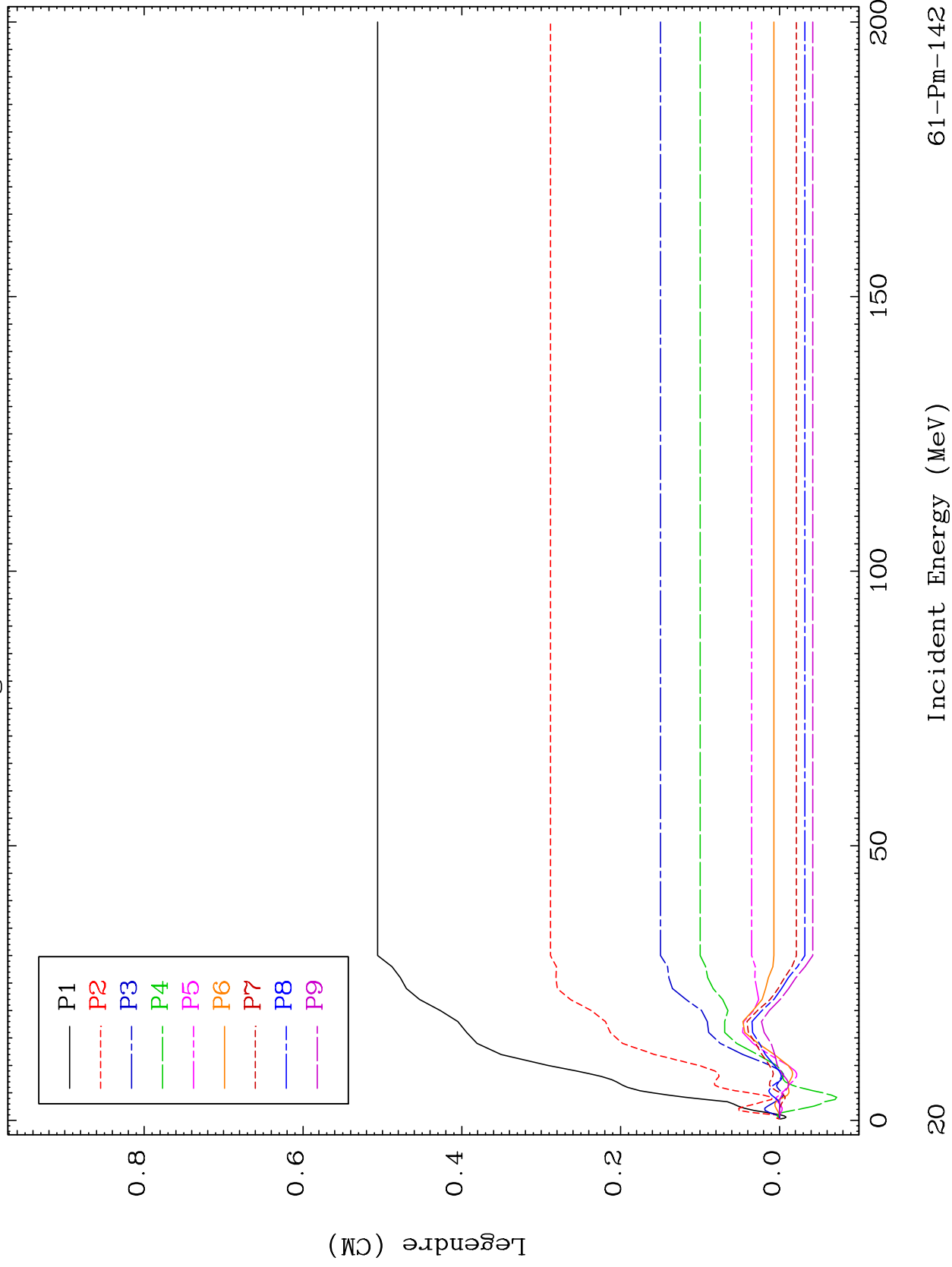
61-Pm-142



MAT 6134

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

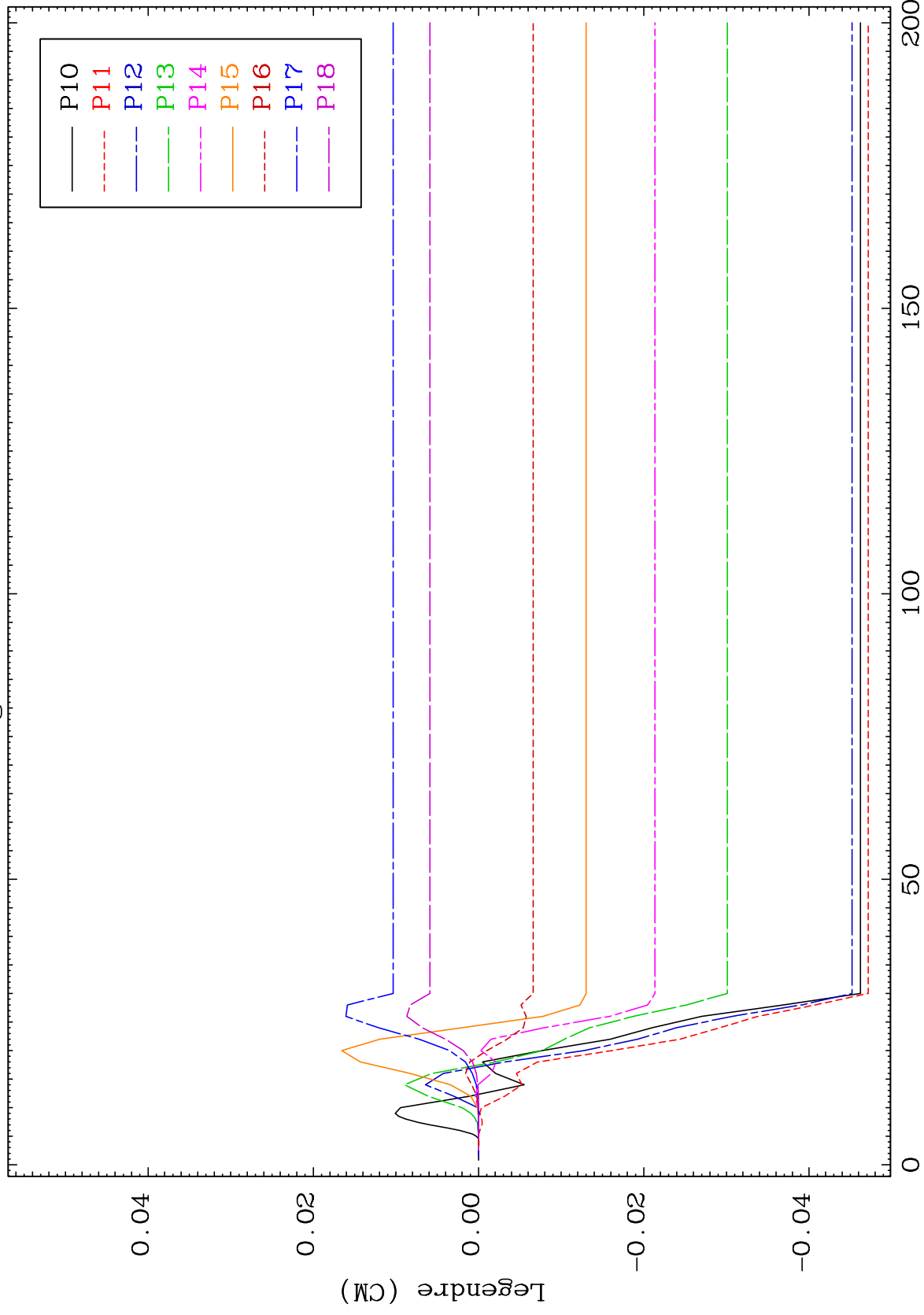
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MAT 6134

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

61-Pm-142



21

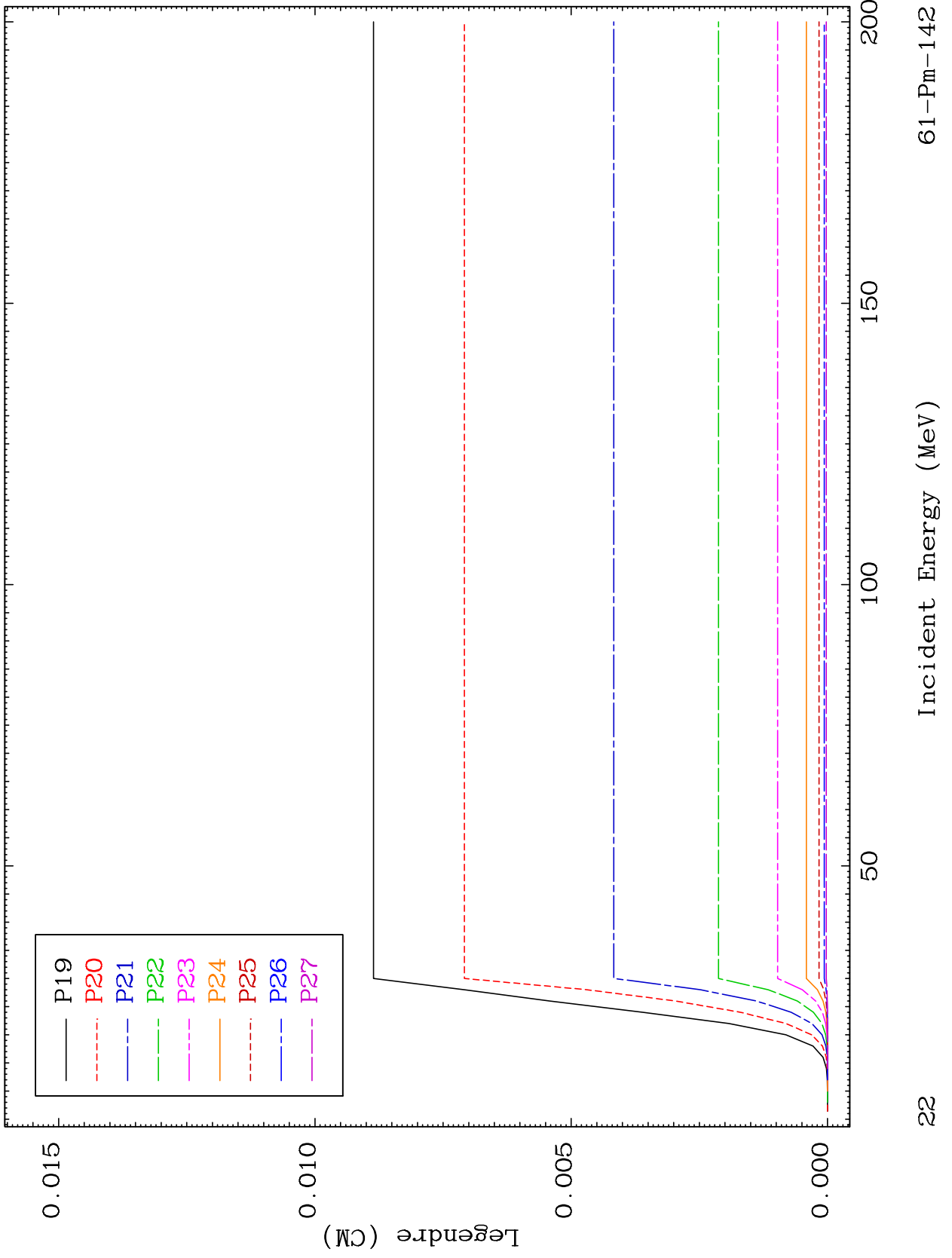
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



22

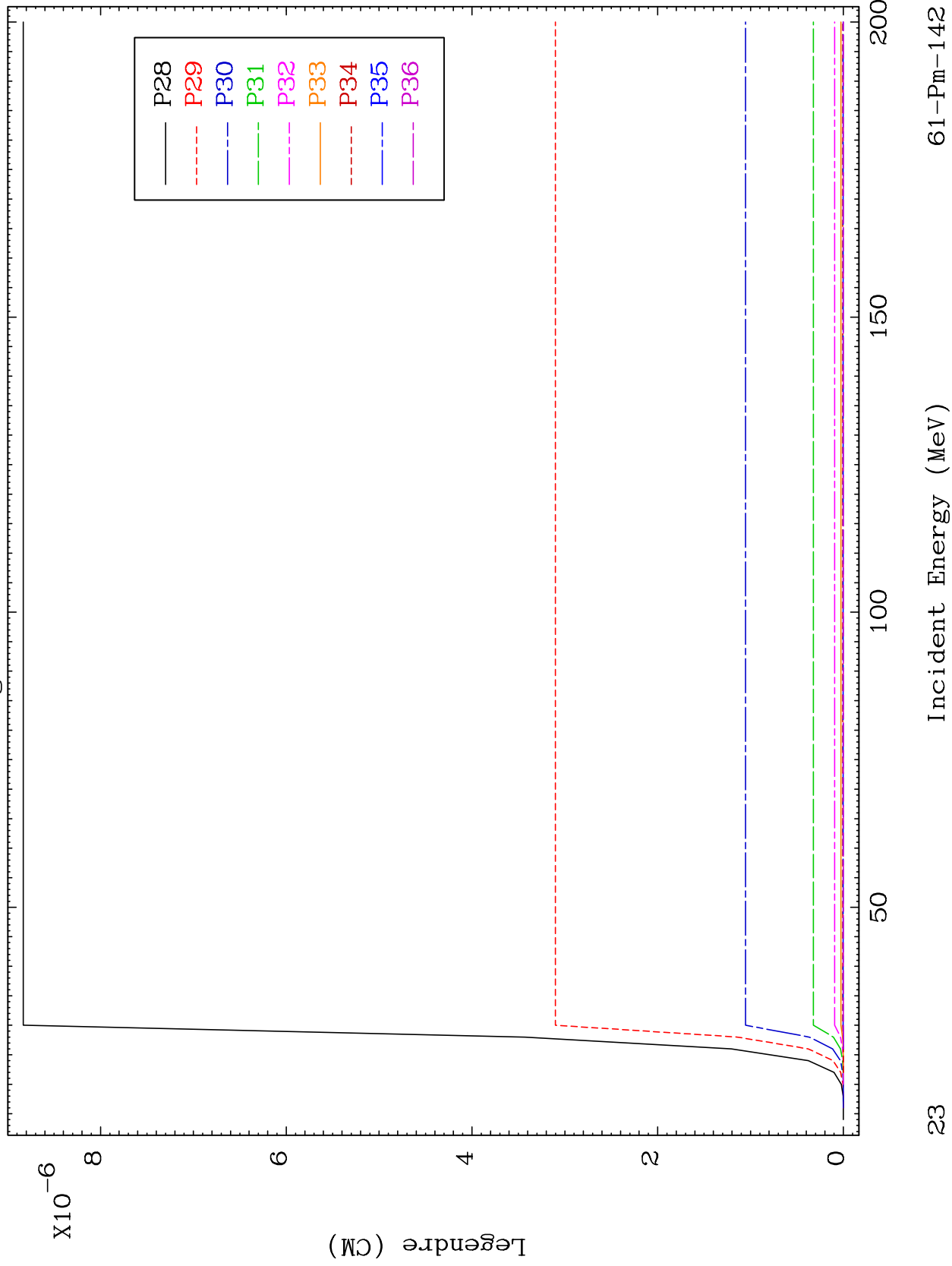
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



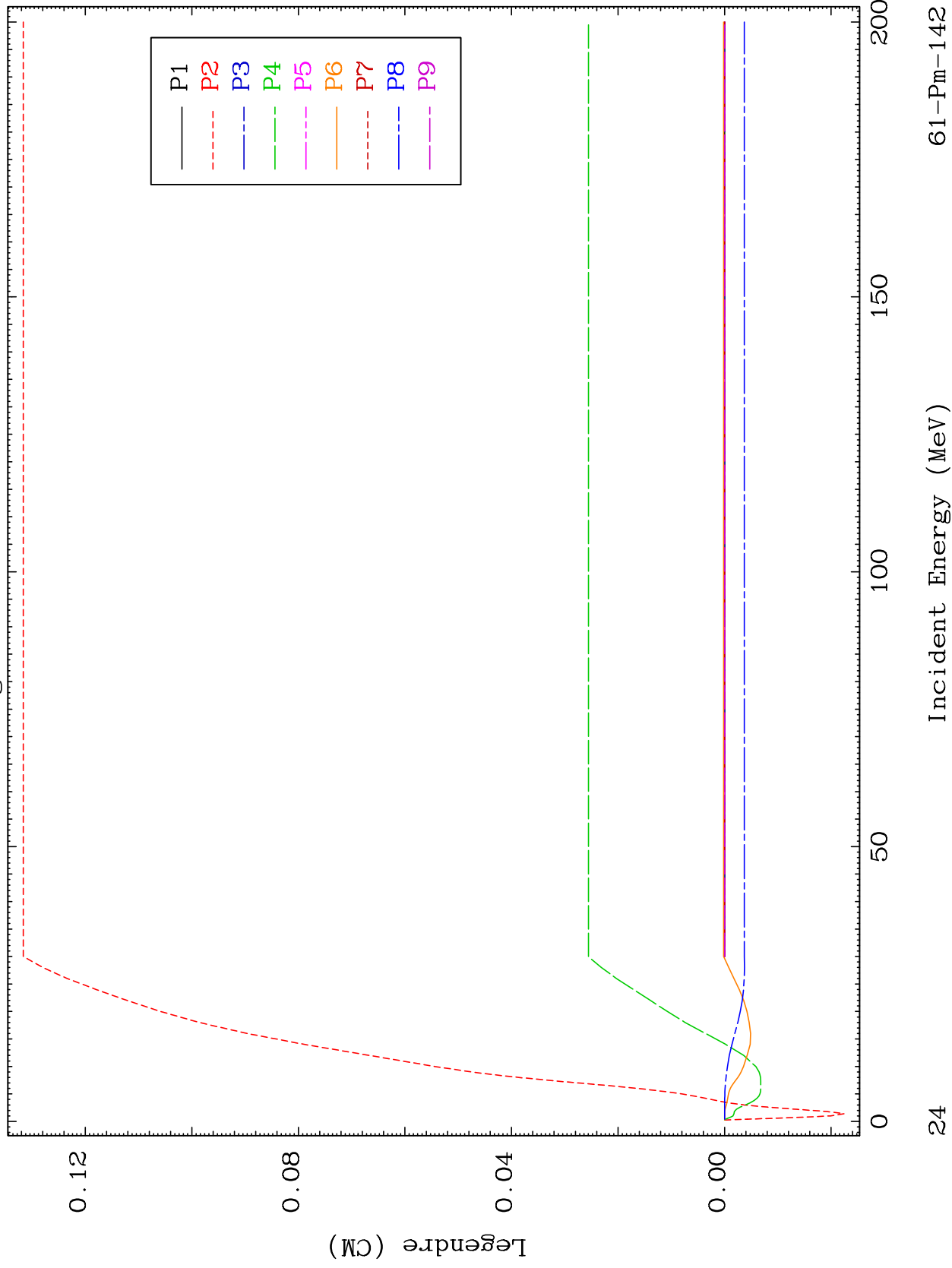
23

61-Pm-142

MAT 6134

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

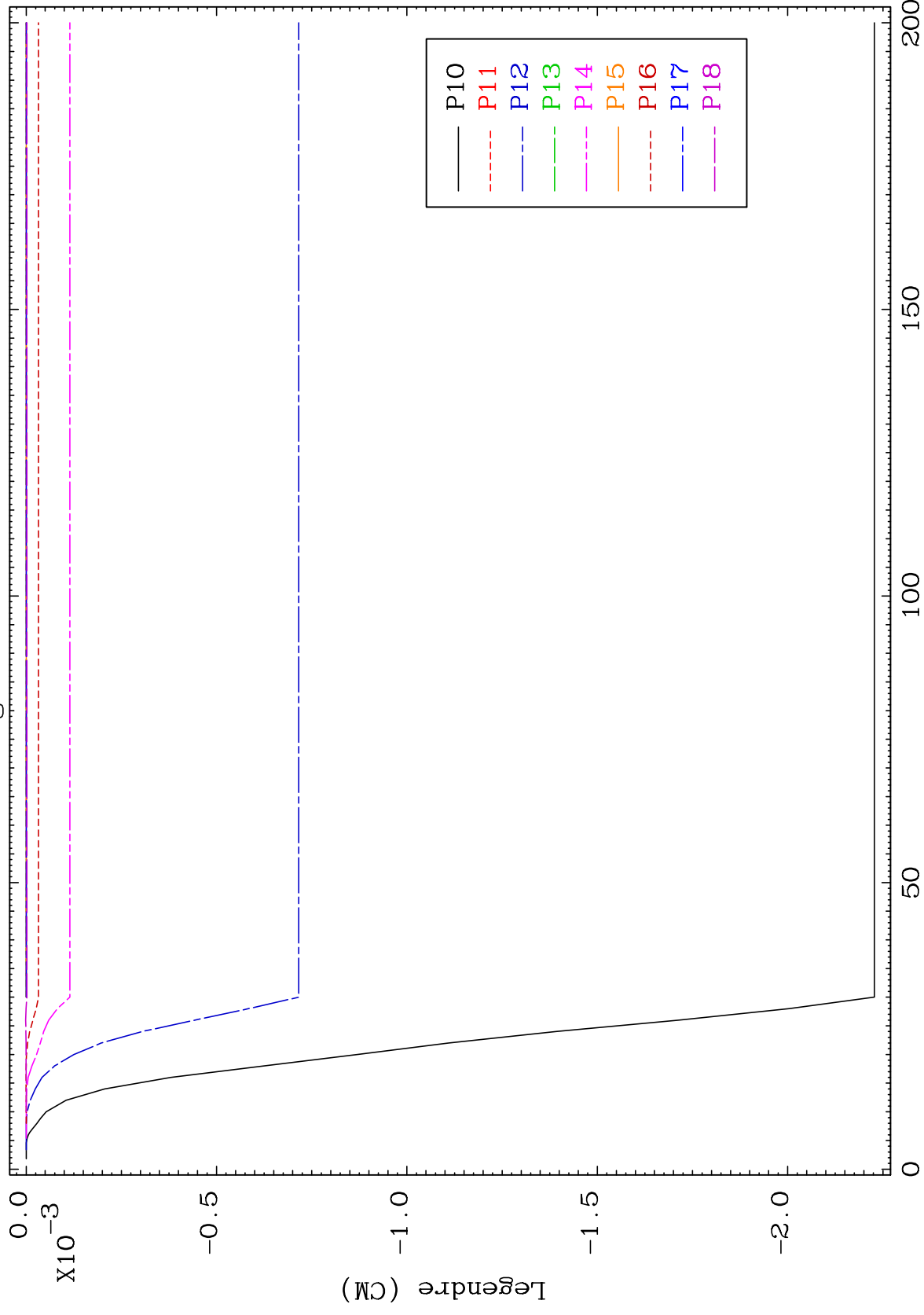
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MAT 6134

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

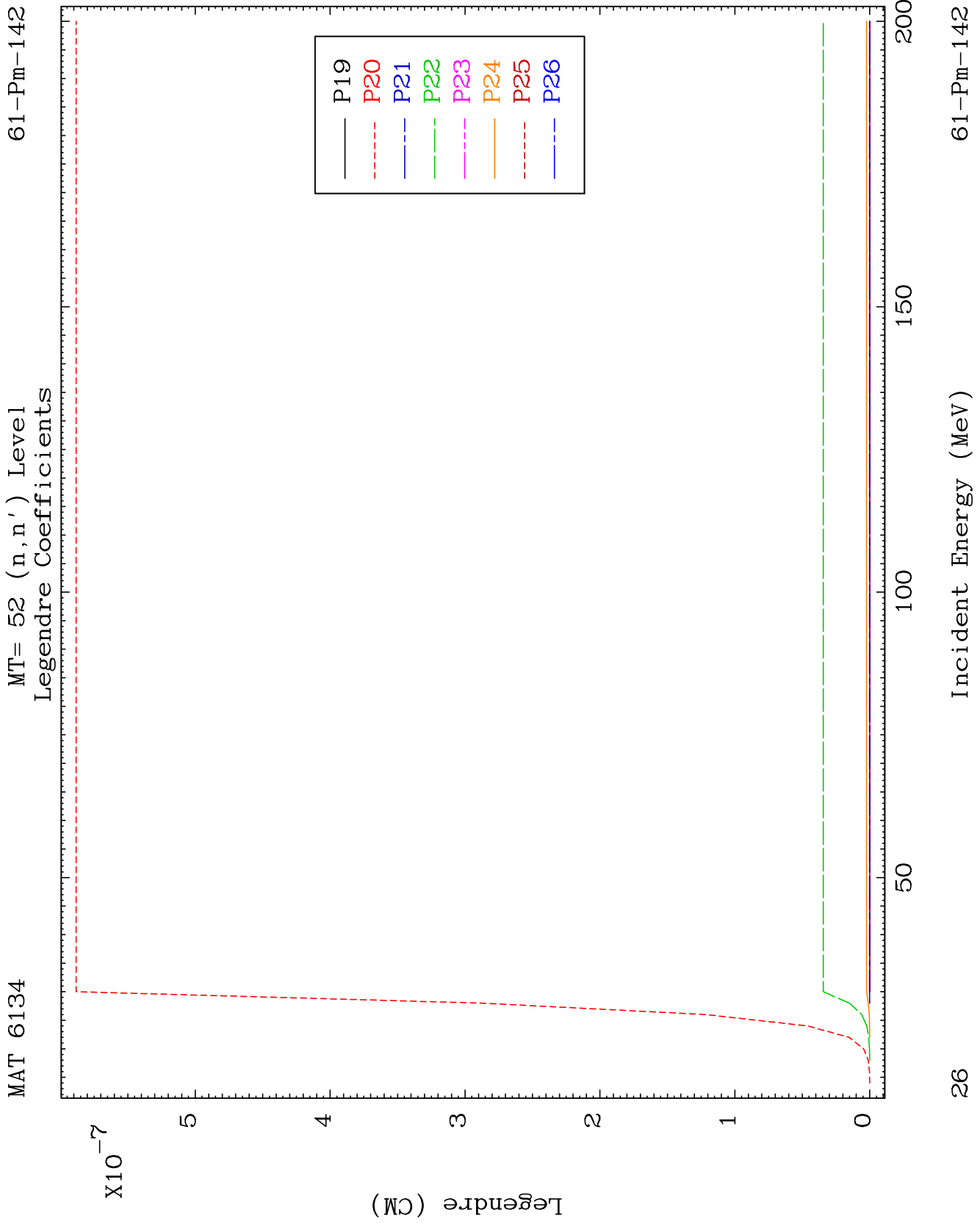
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25

Incident Energy (MeV)

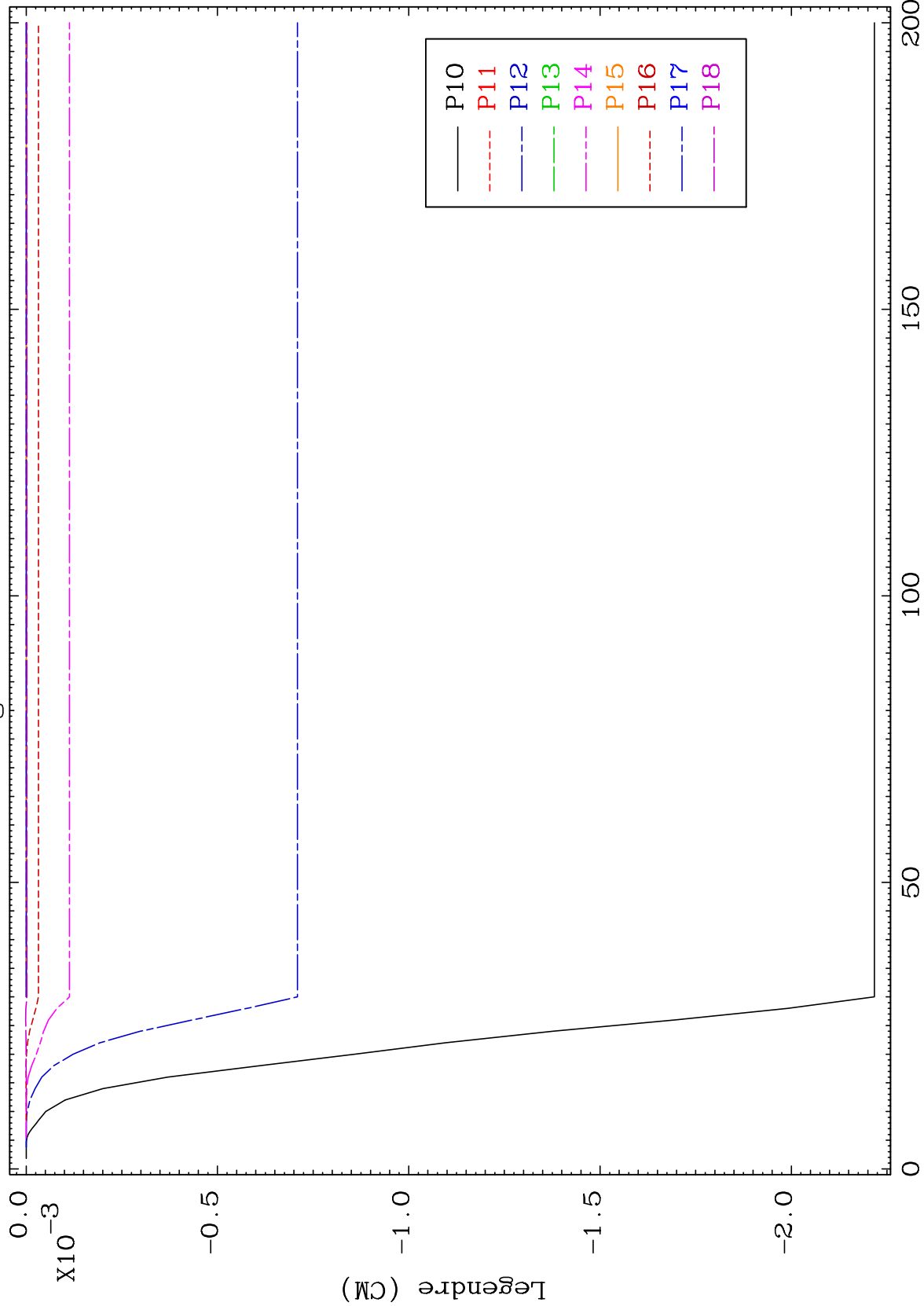
61-Pm-142



MAT 6134

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

61-Pm-142



28

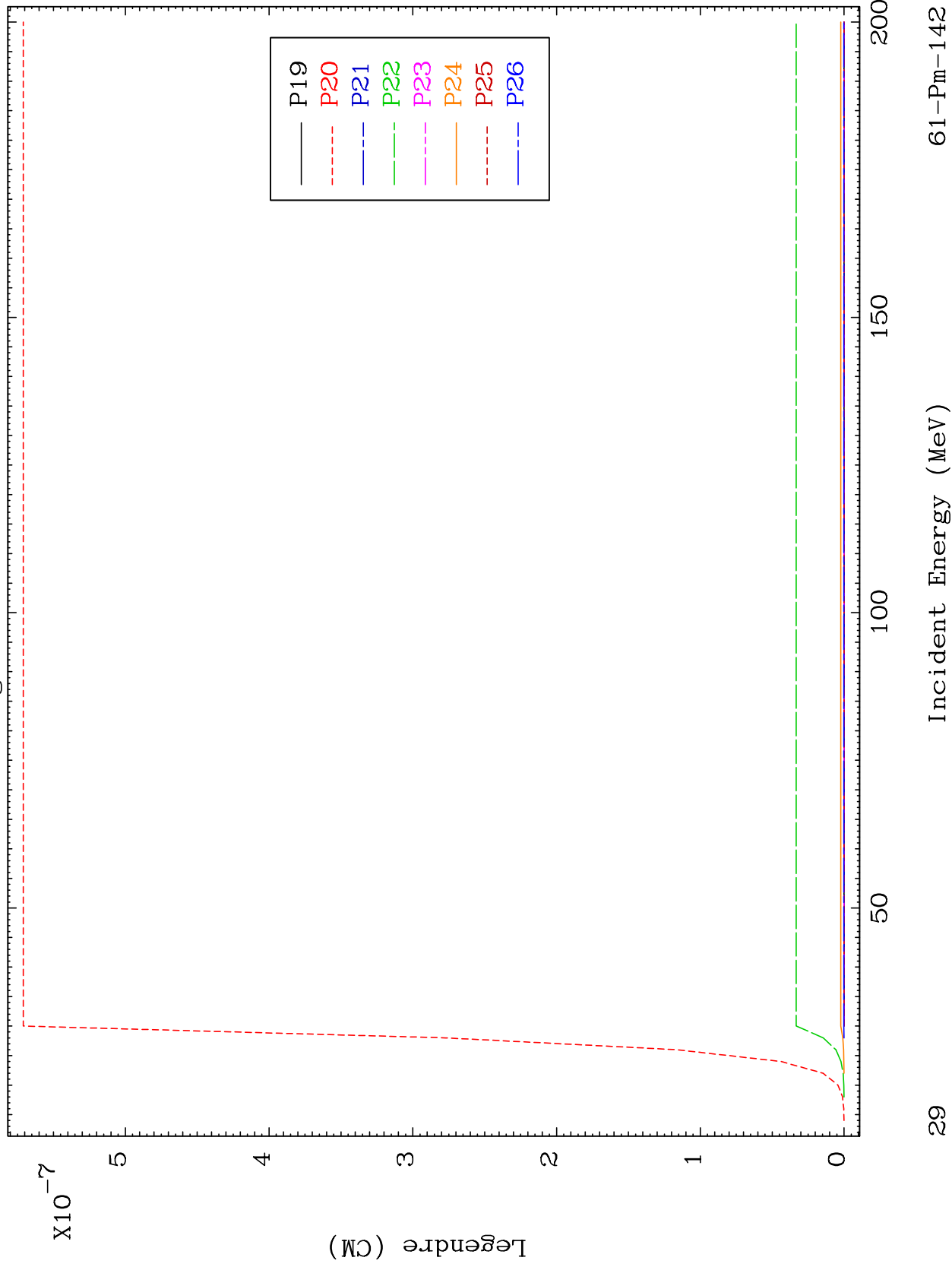
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



29

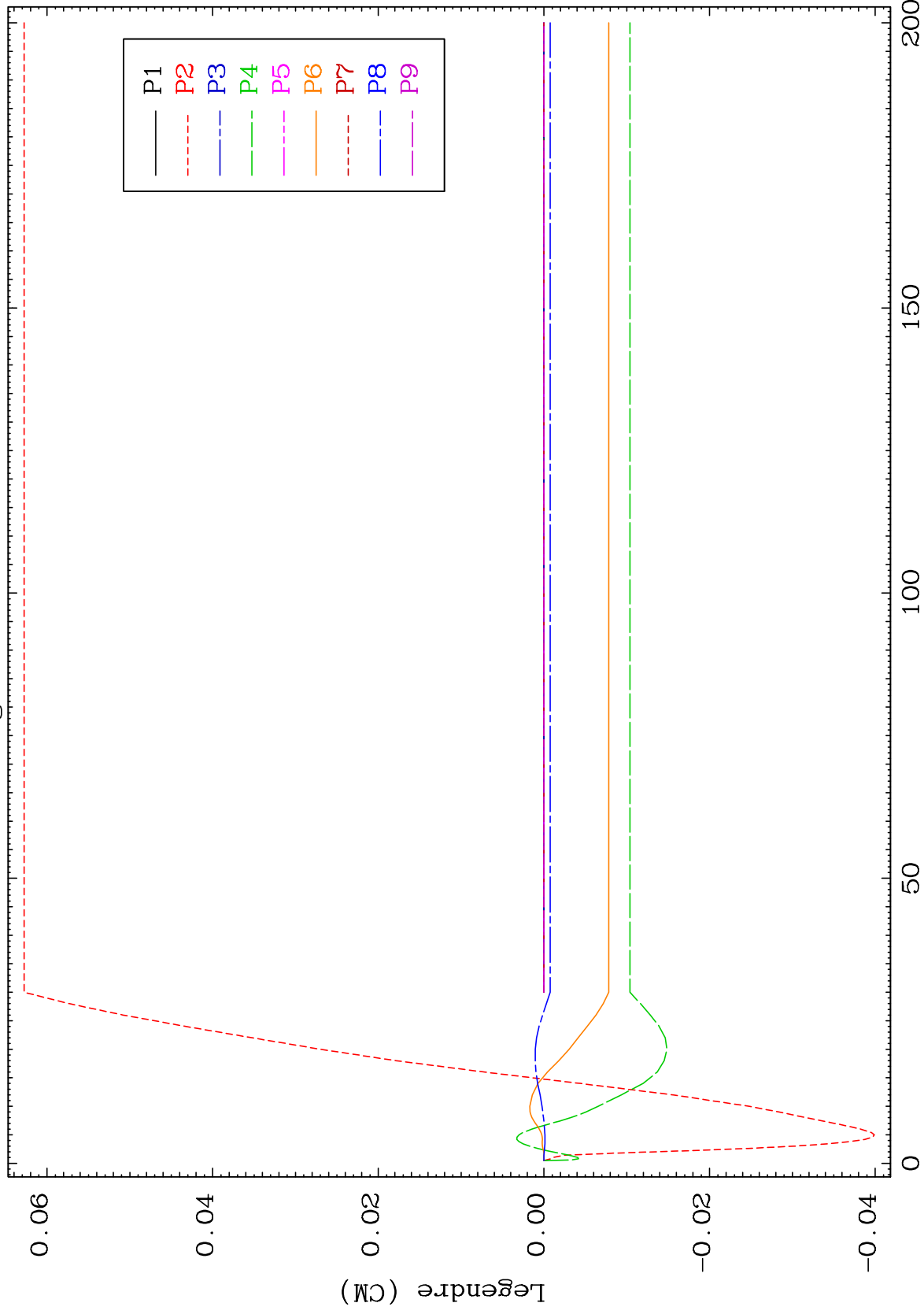
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



61-Pm-142

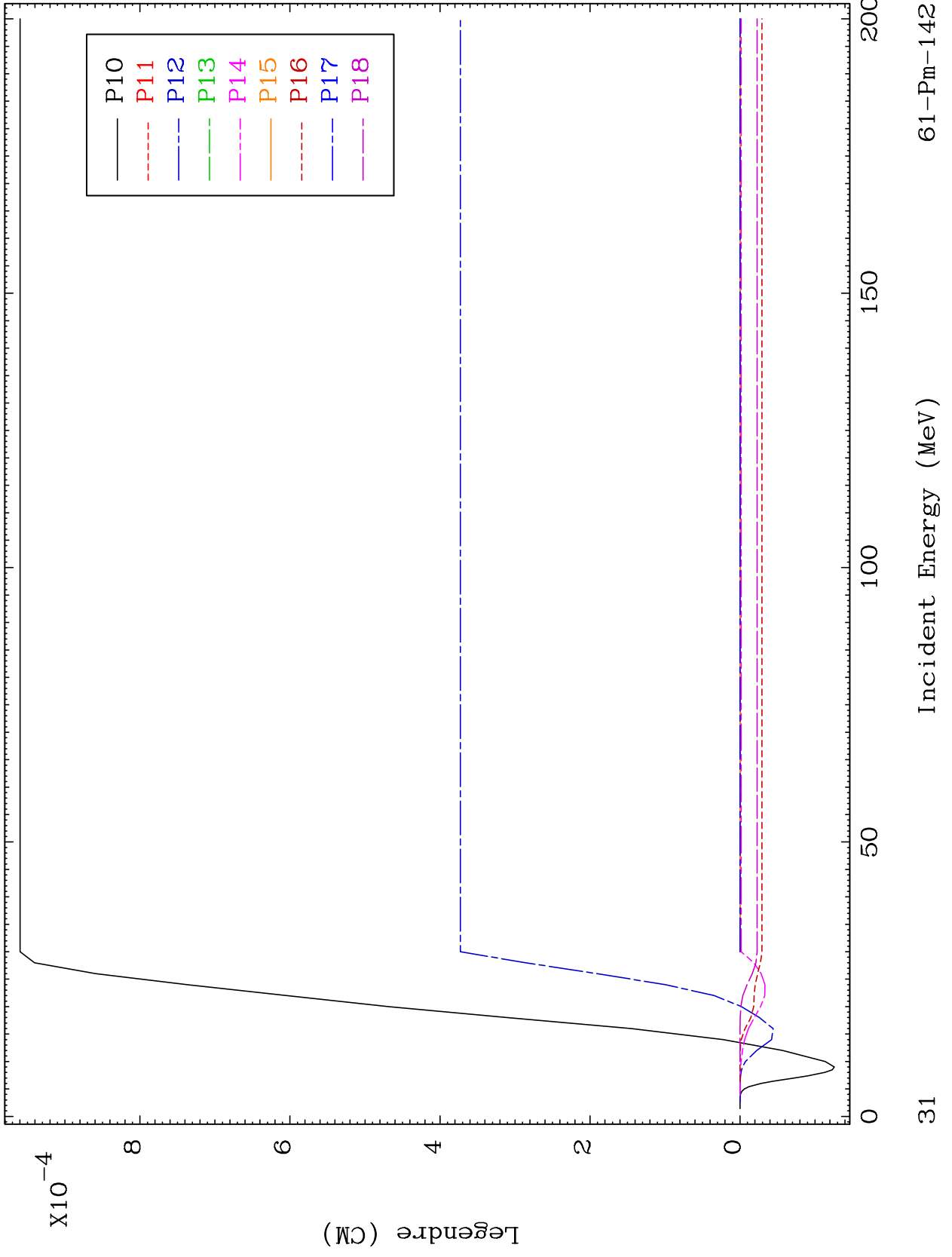
Incident Energy (MeV)

30

MAT 6134

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

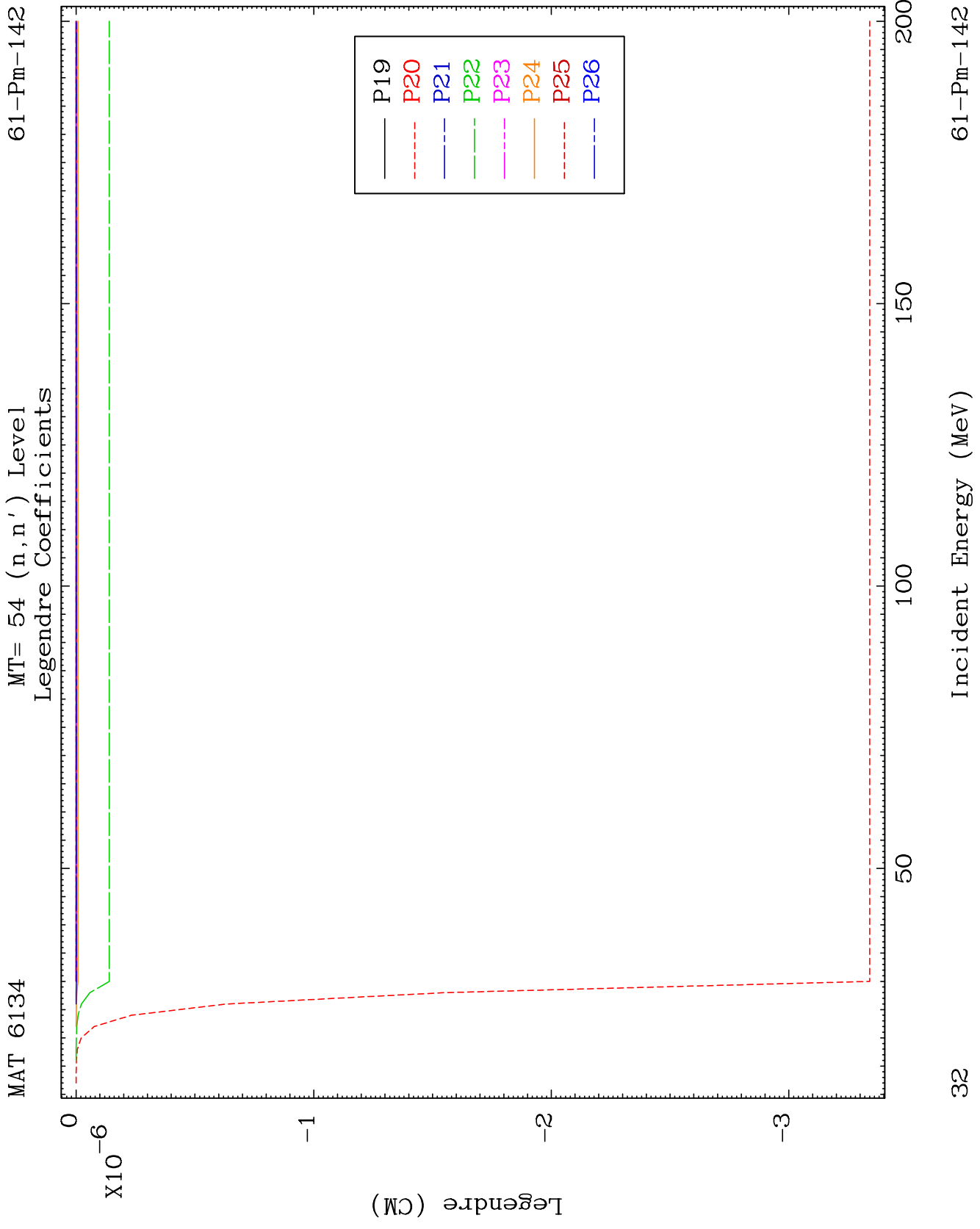
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61-Pm-142

Incident Energy (MeV)

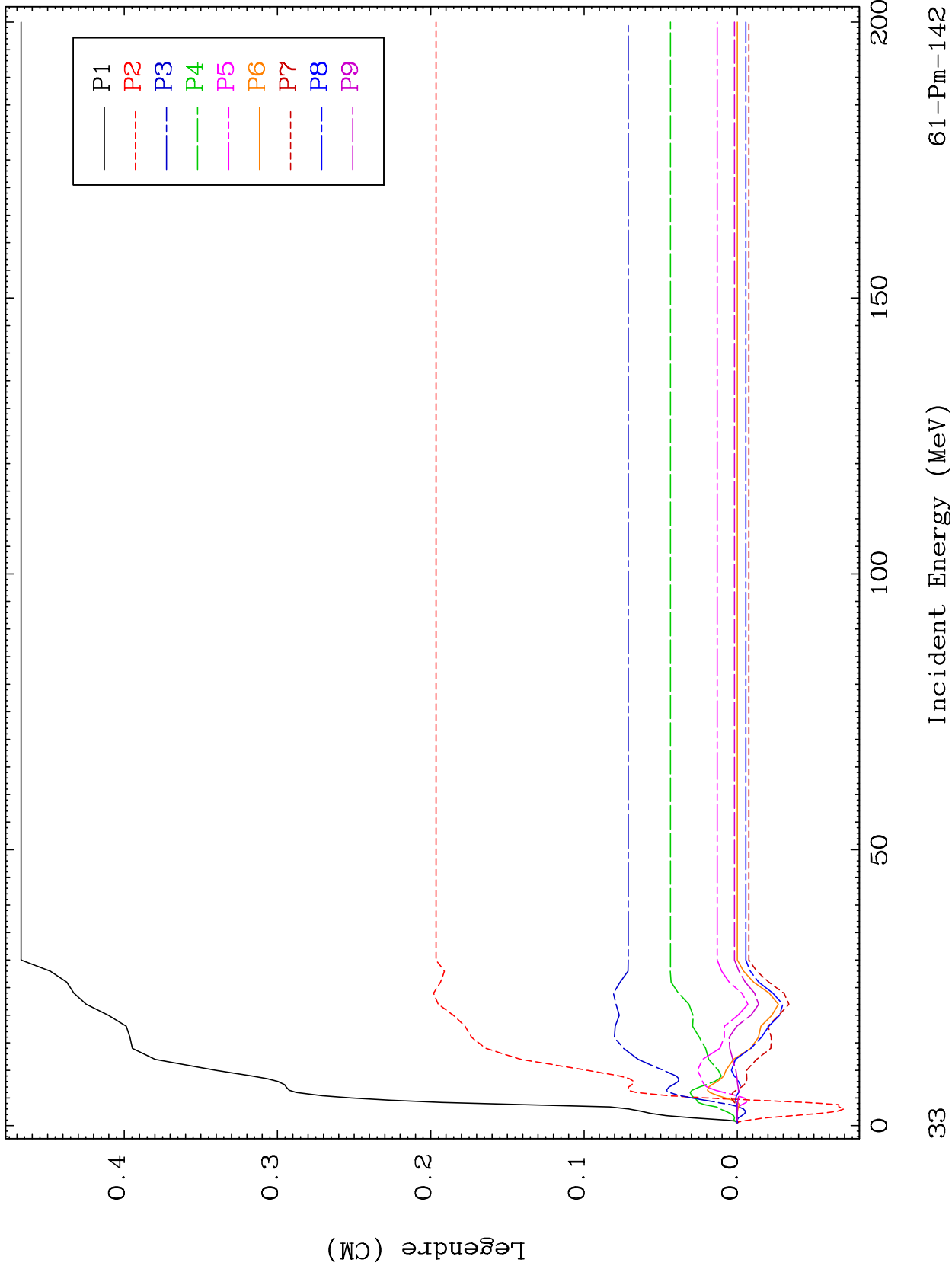
31



MAT 6134

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

61-Pm-142



33

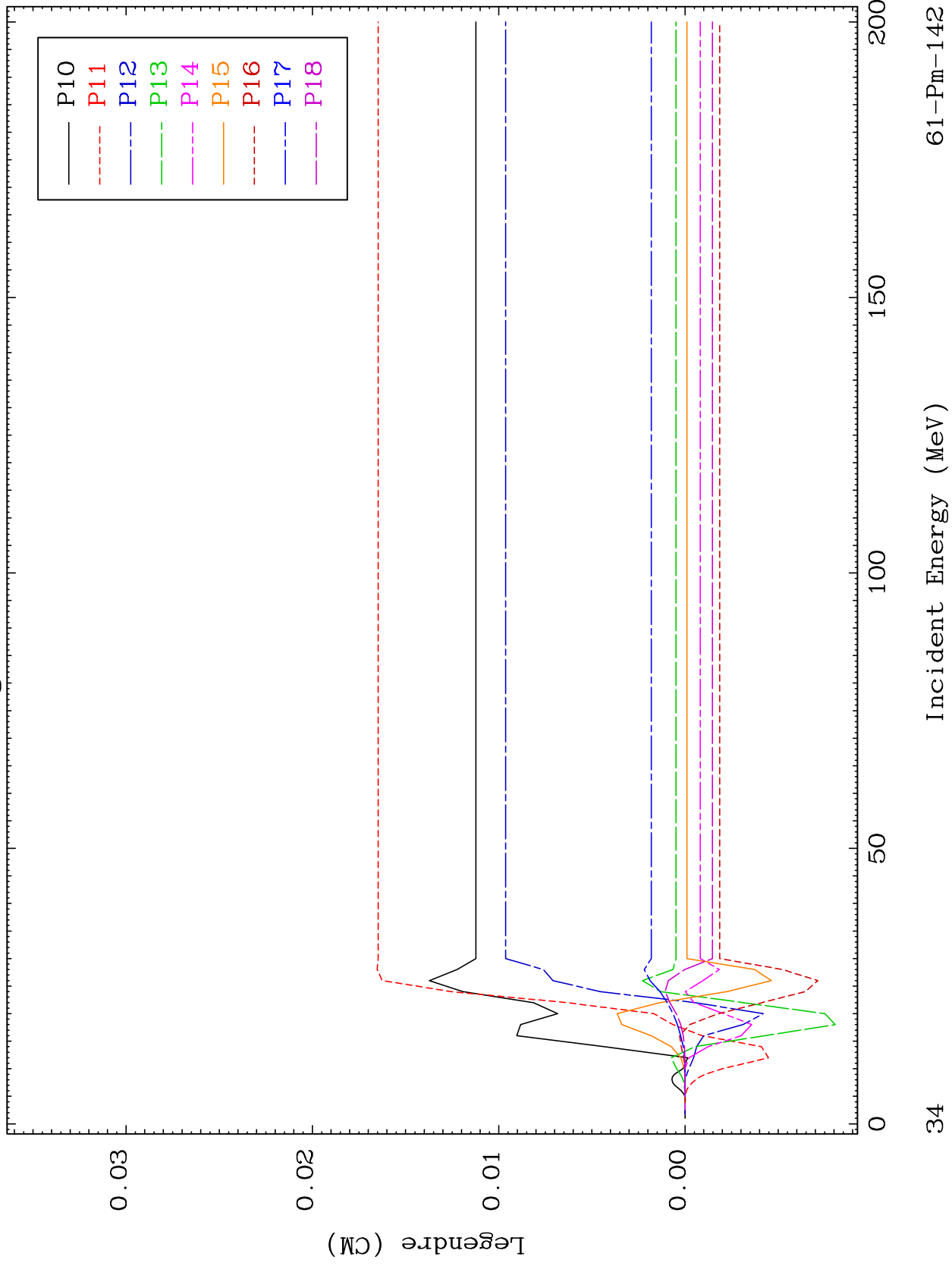
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



34

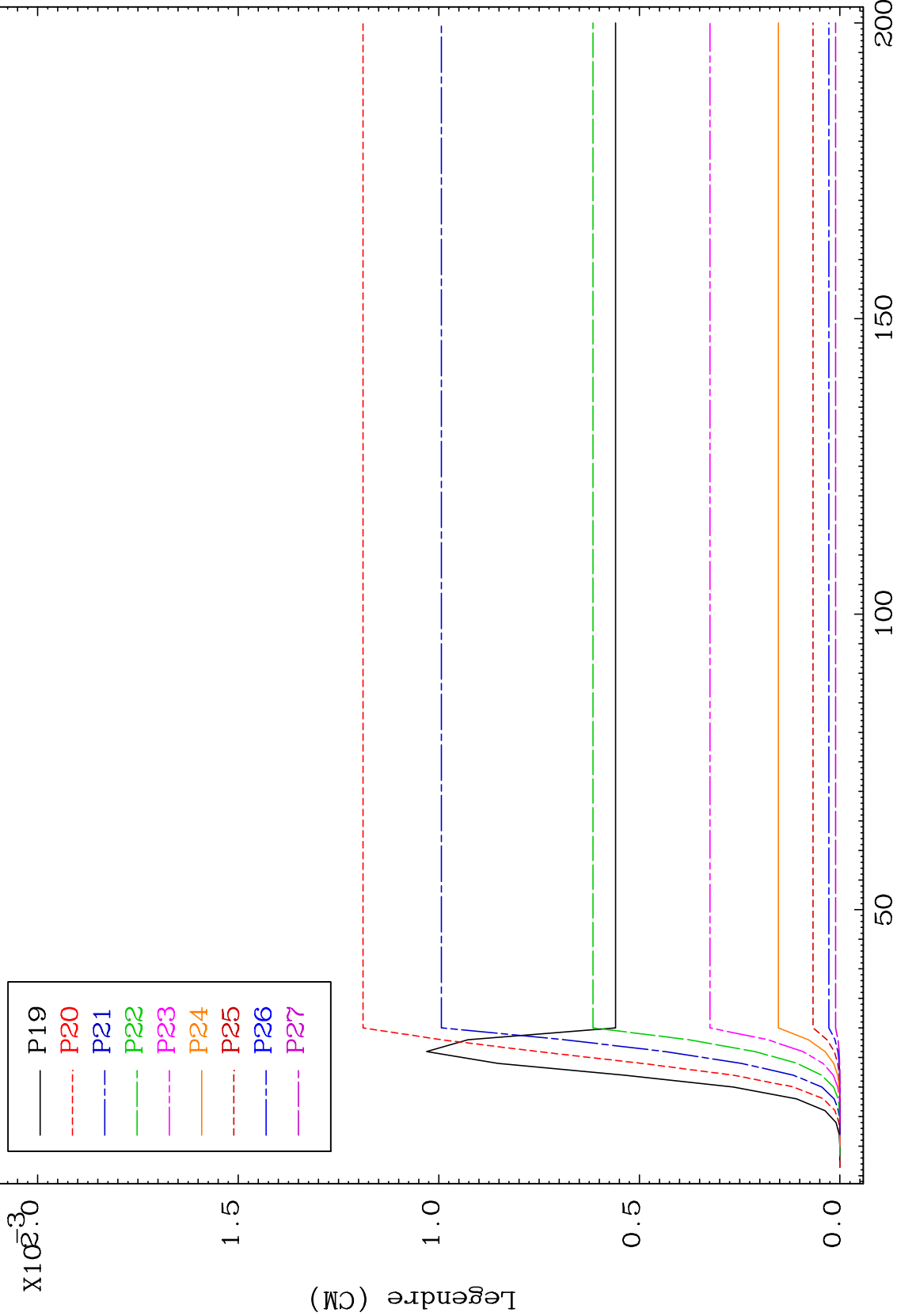
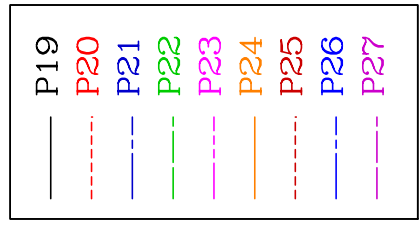
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



35

Incident Energy (MeV)

61-Pm-142

200

150

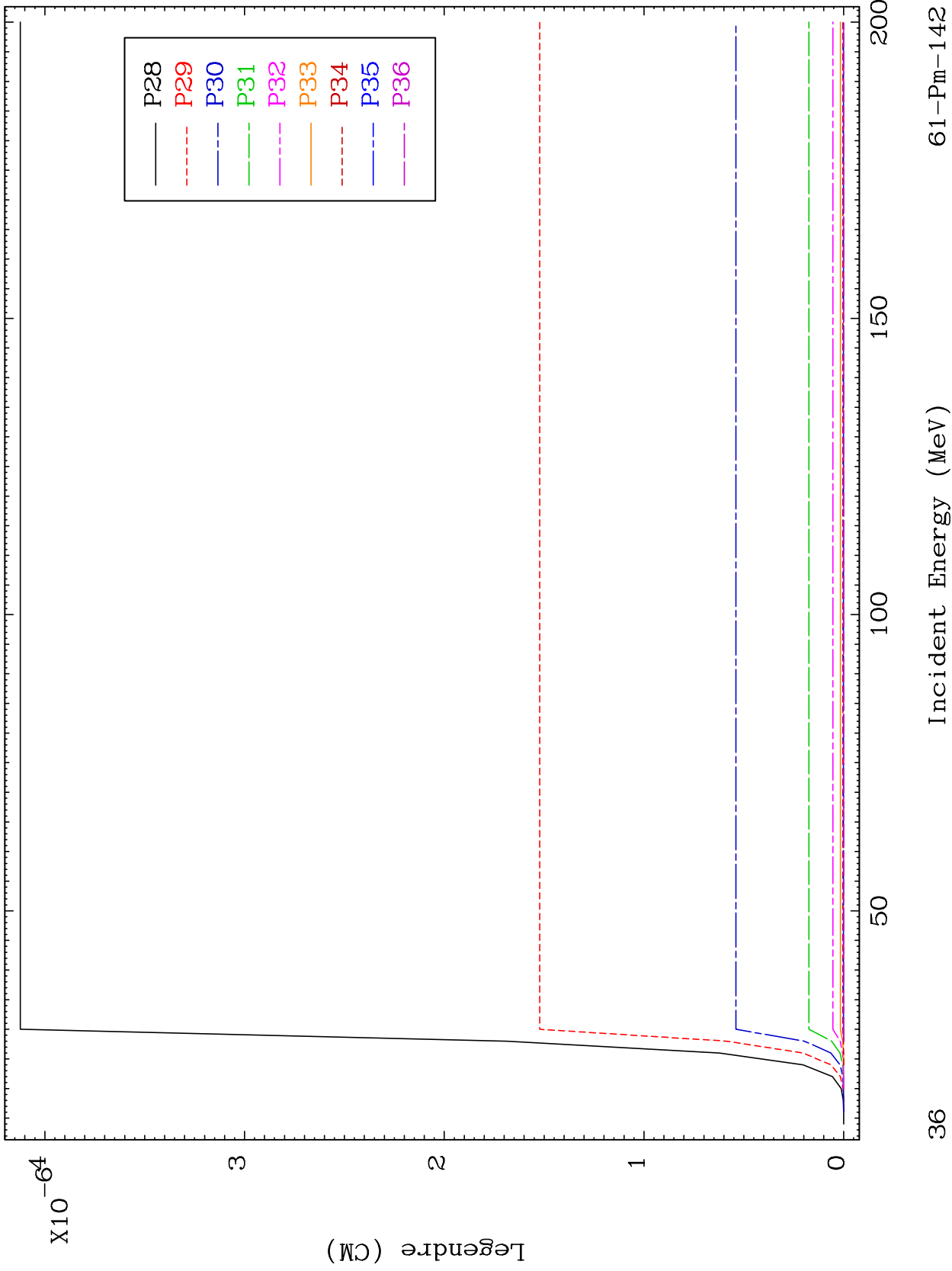
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50

MAT 6134

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

61-Pm-142



36

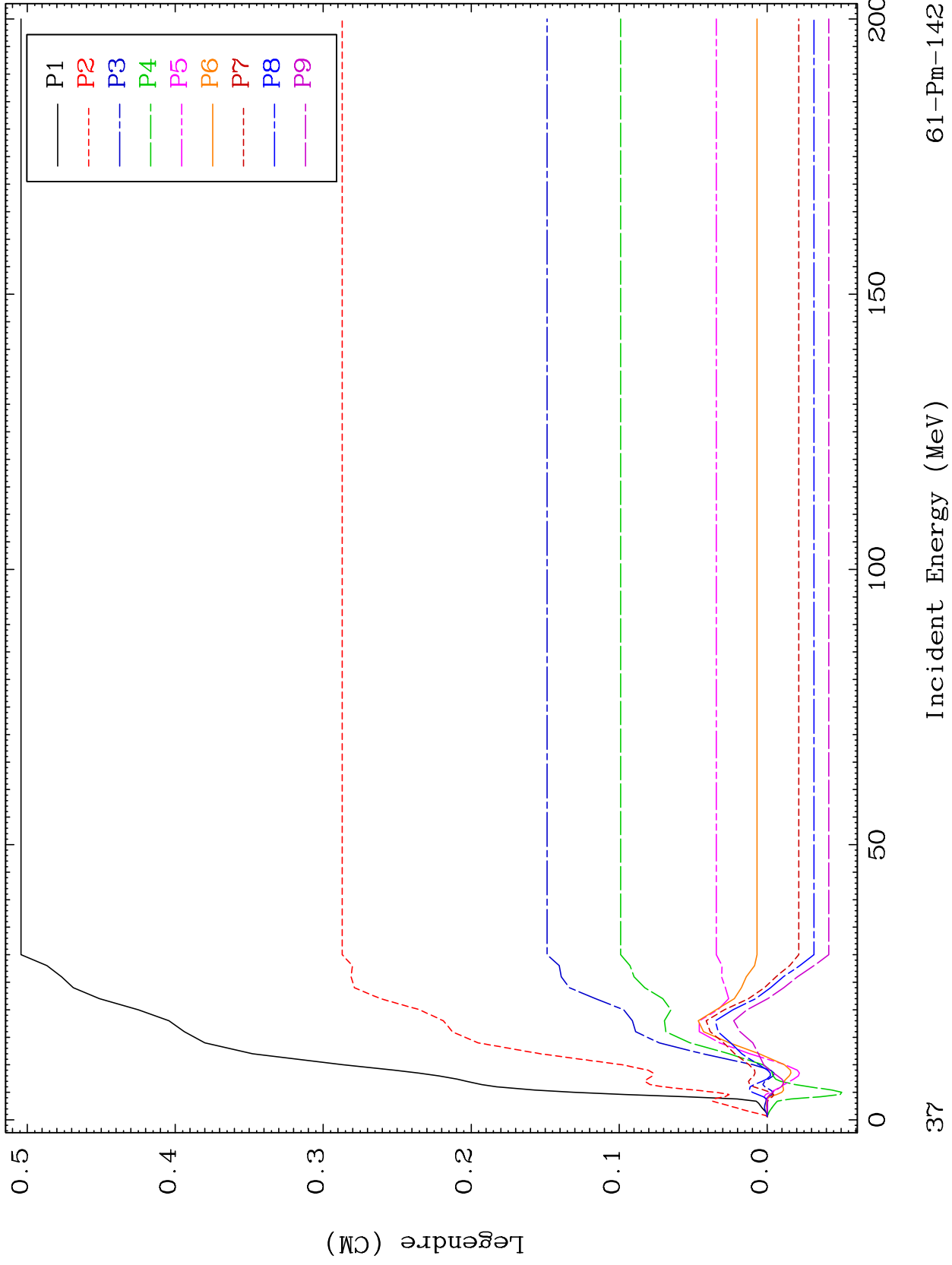
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



61-Pm-142

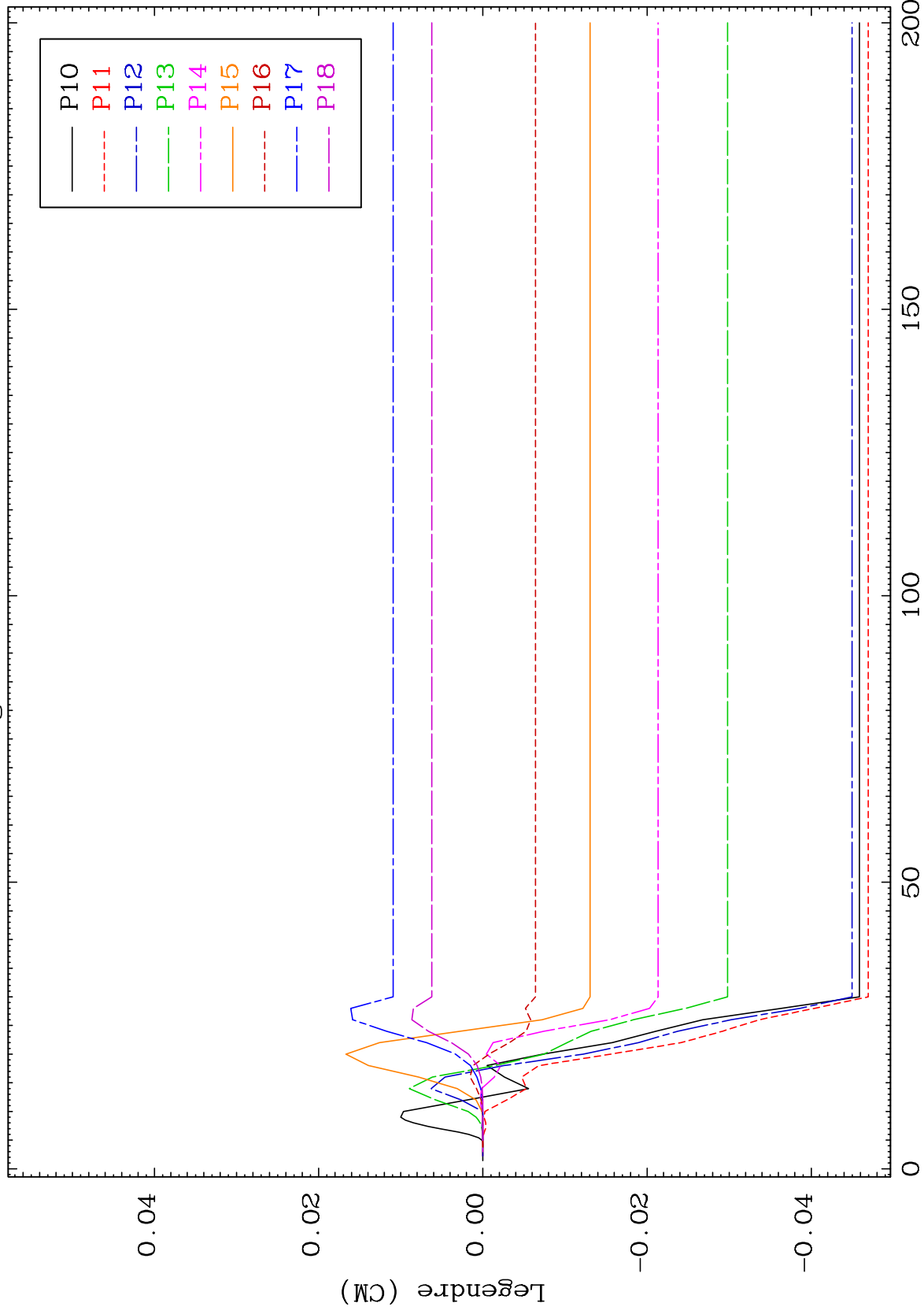
Incident Energy (MeV)

37

MAT 6134

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

61-Pm-142



38

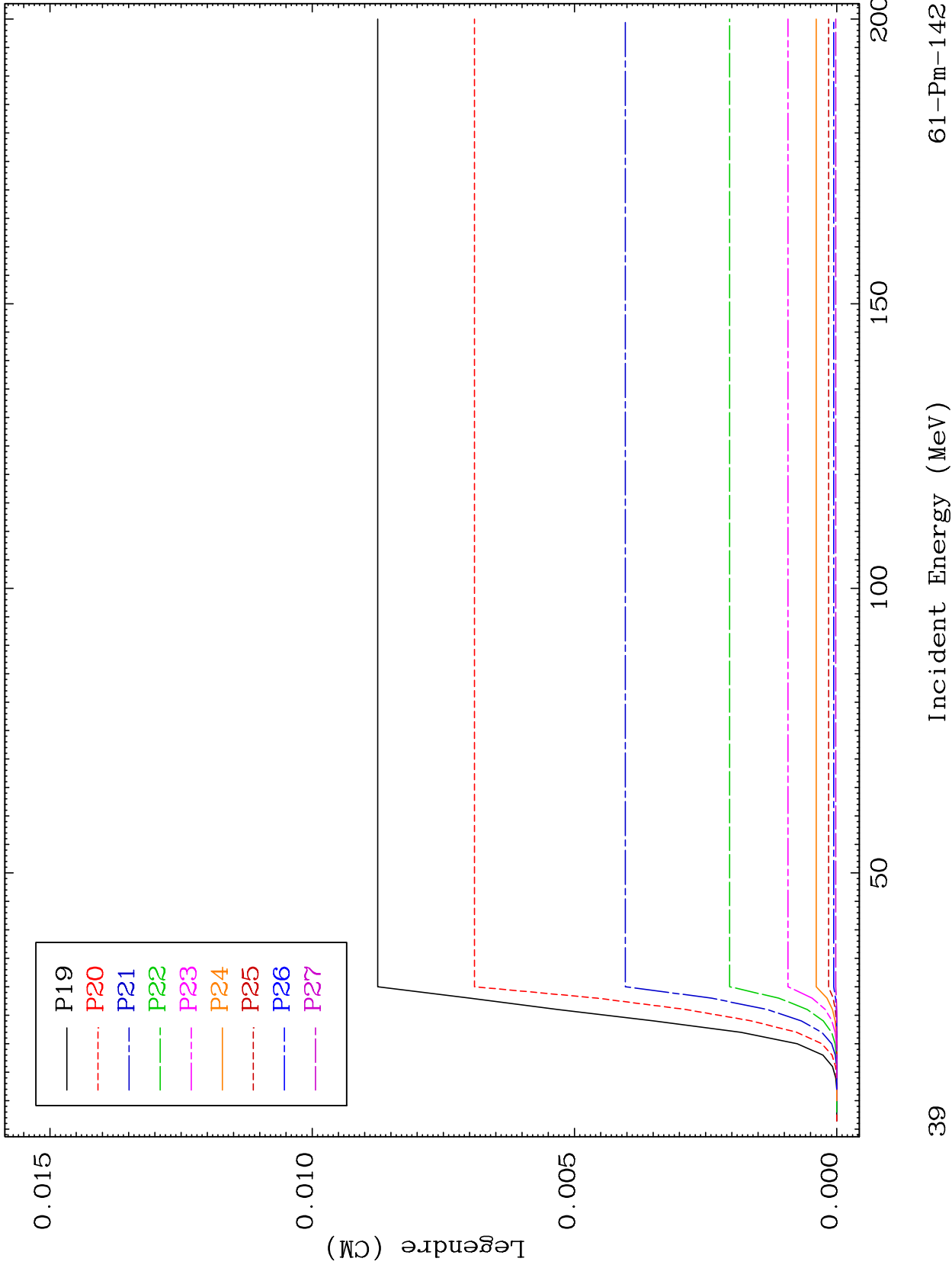
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



39

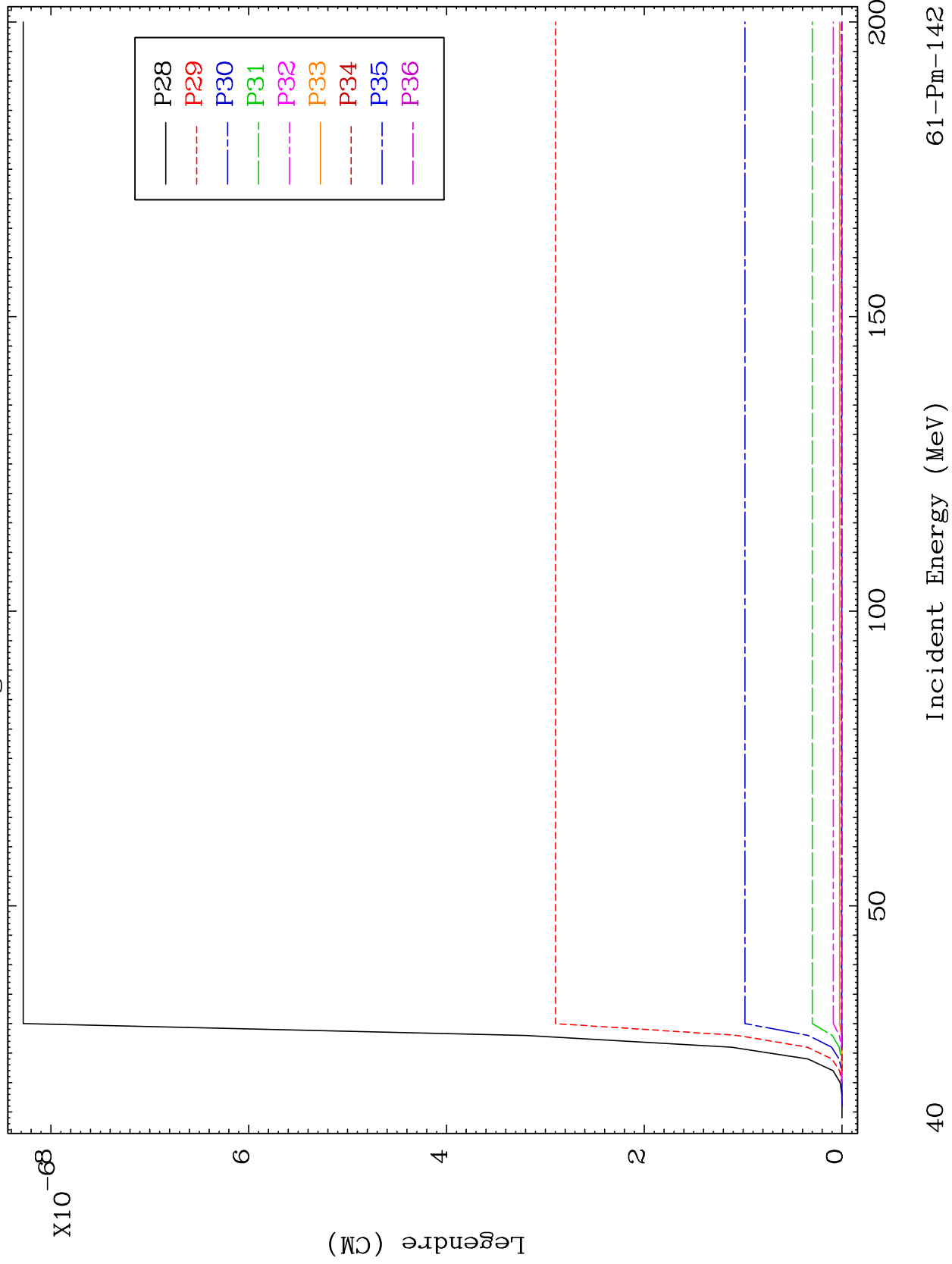
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

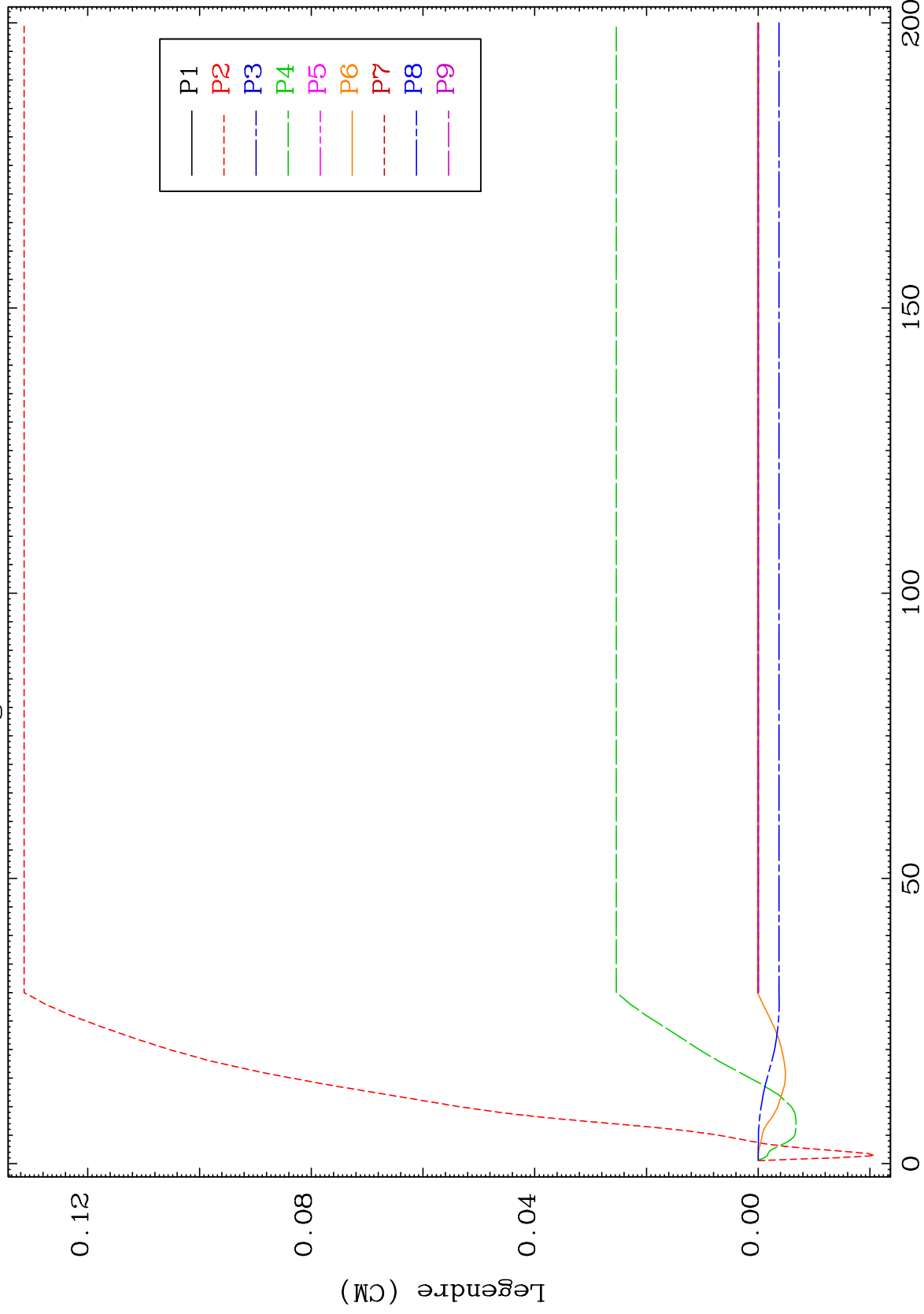
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MAT 6134

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

61-Pm-142



41

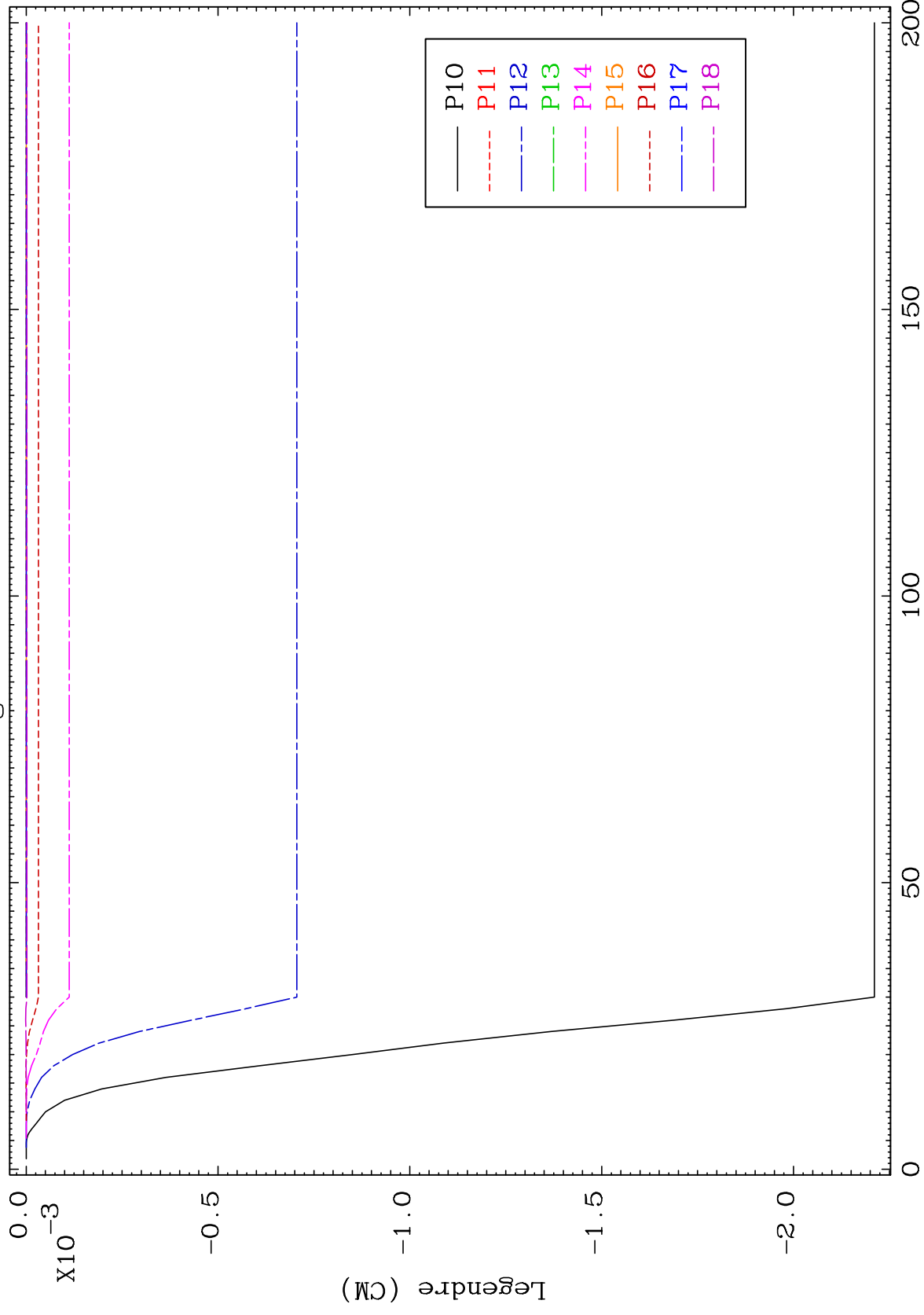
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



42

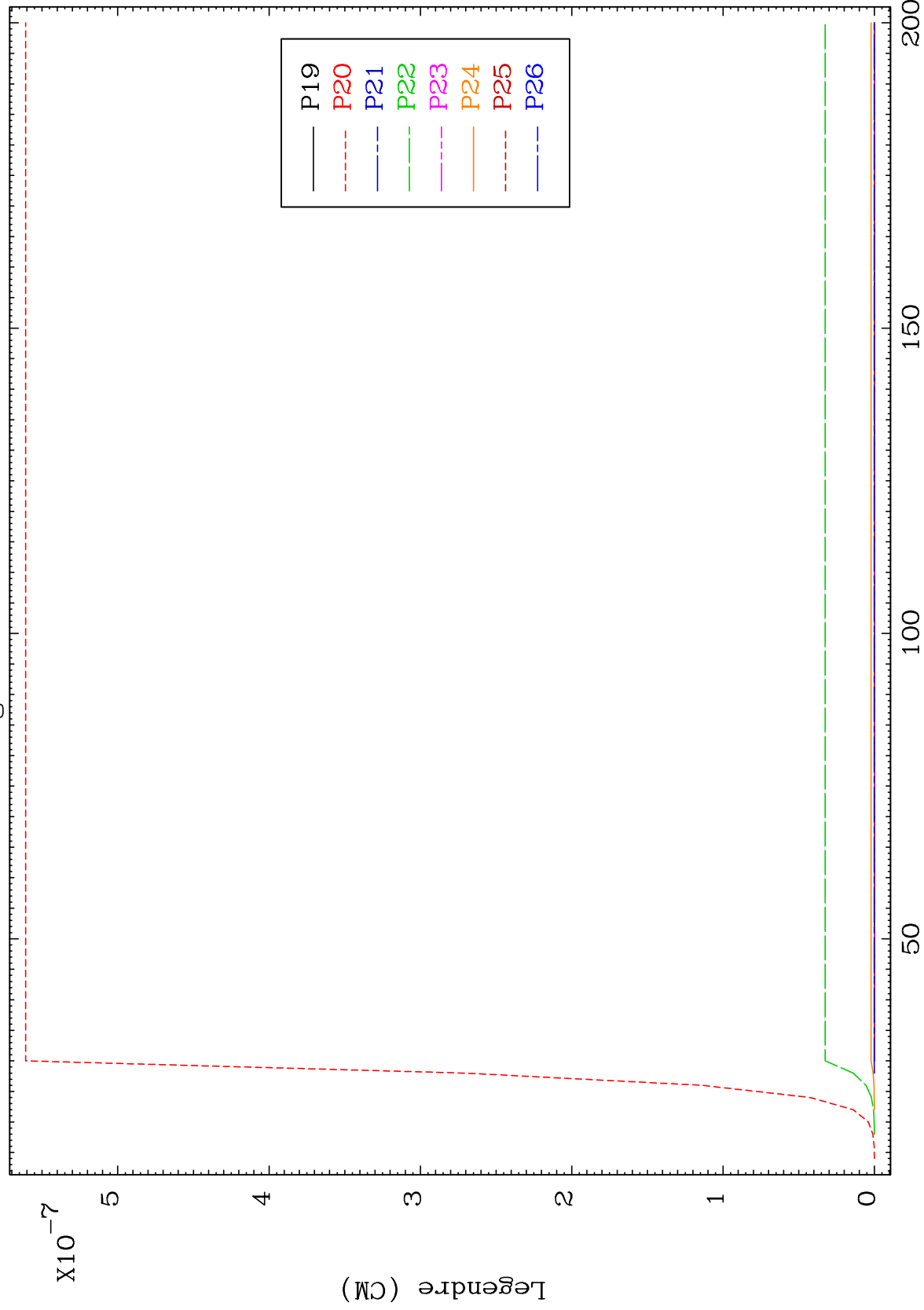
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61-Pm-142

MAT 6134

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

61-Pm-142



43

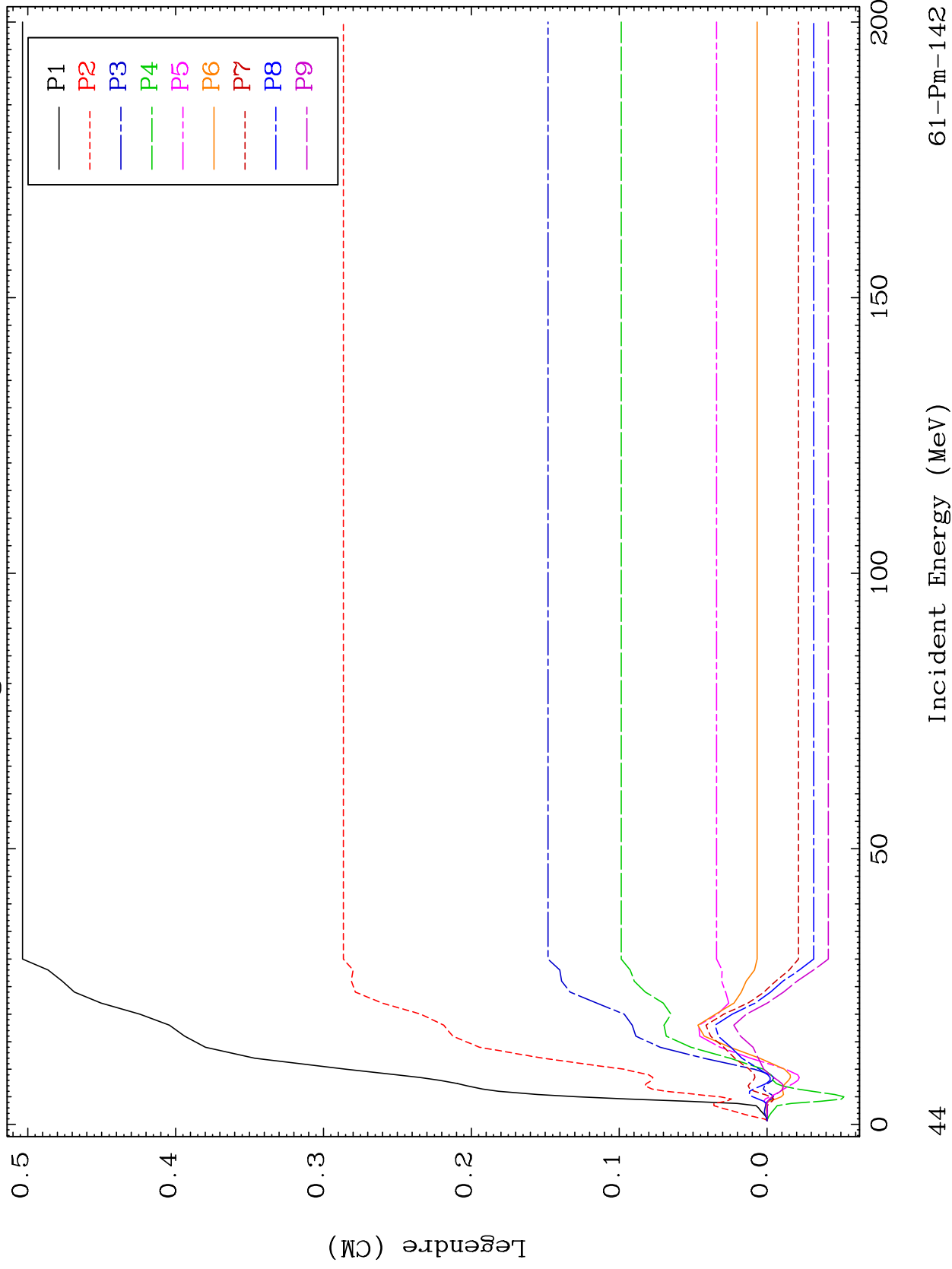
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



61-Pm-142

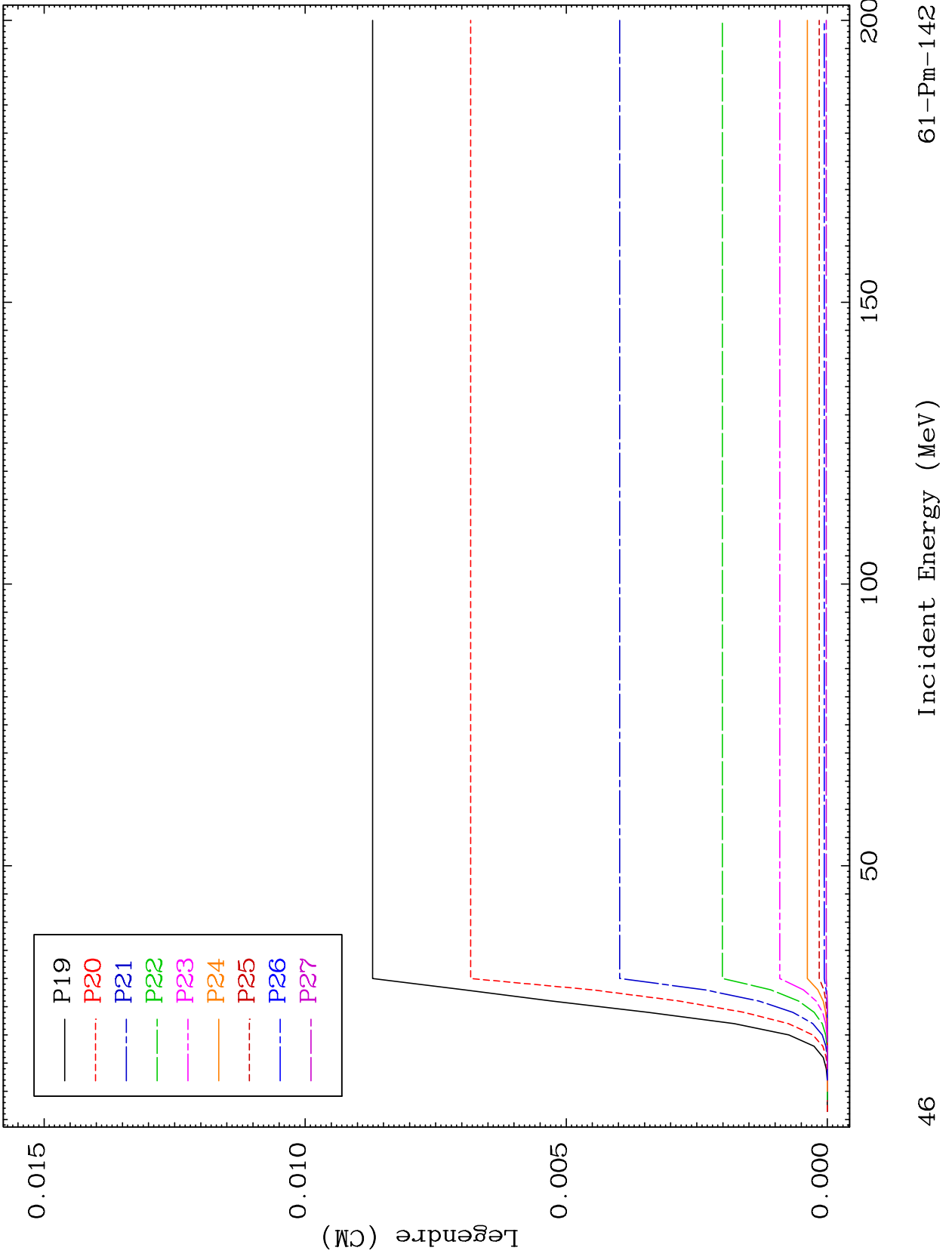
Incident Energy (MeV)

44

MAT 6134

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

61-Pm-142



46

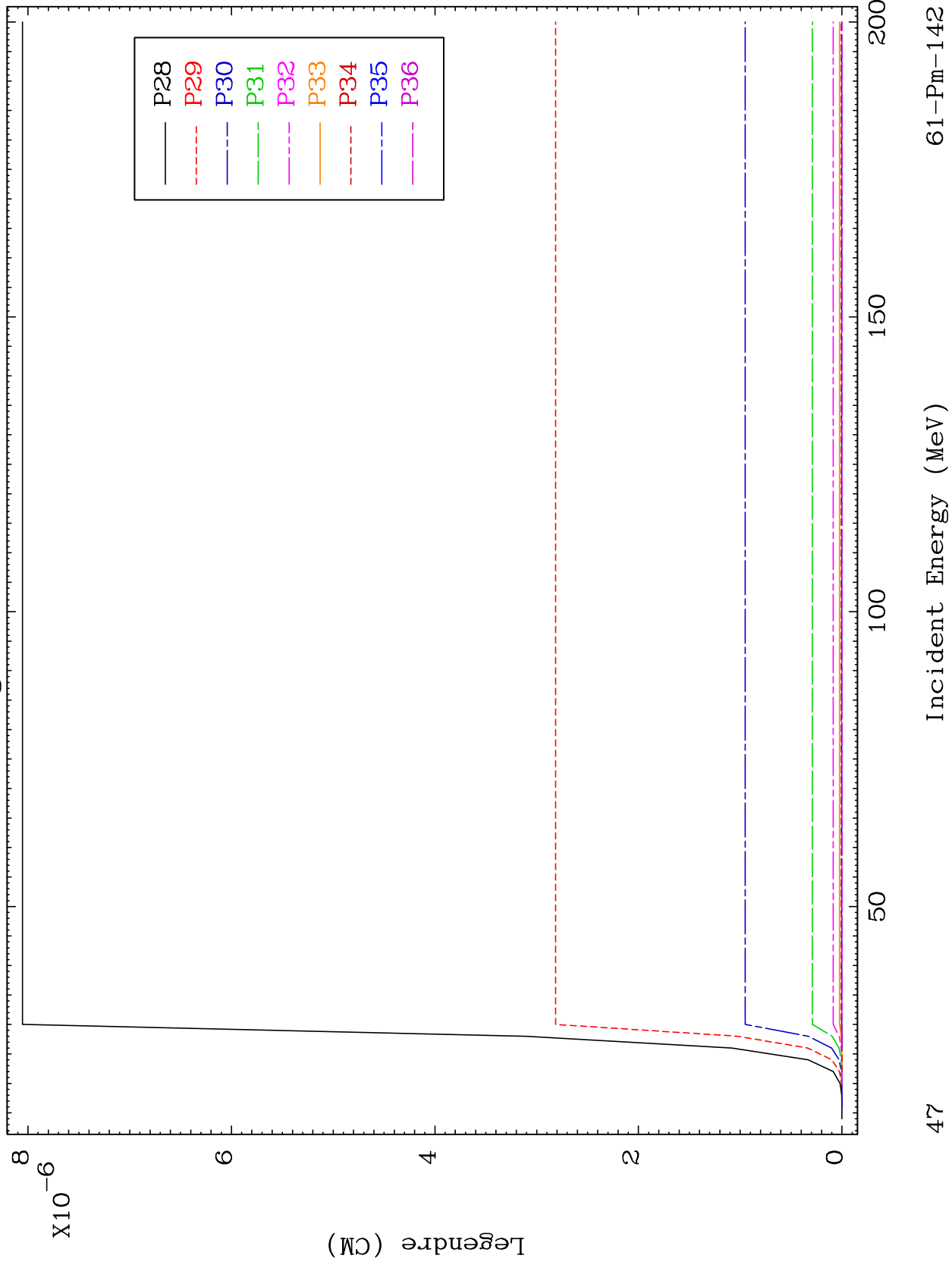
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

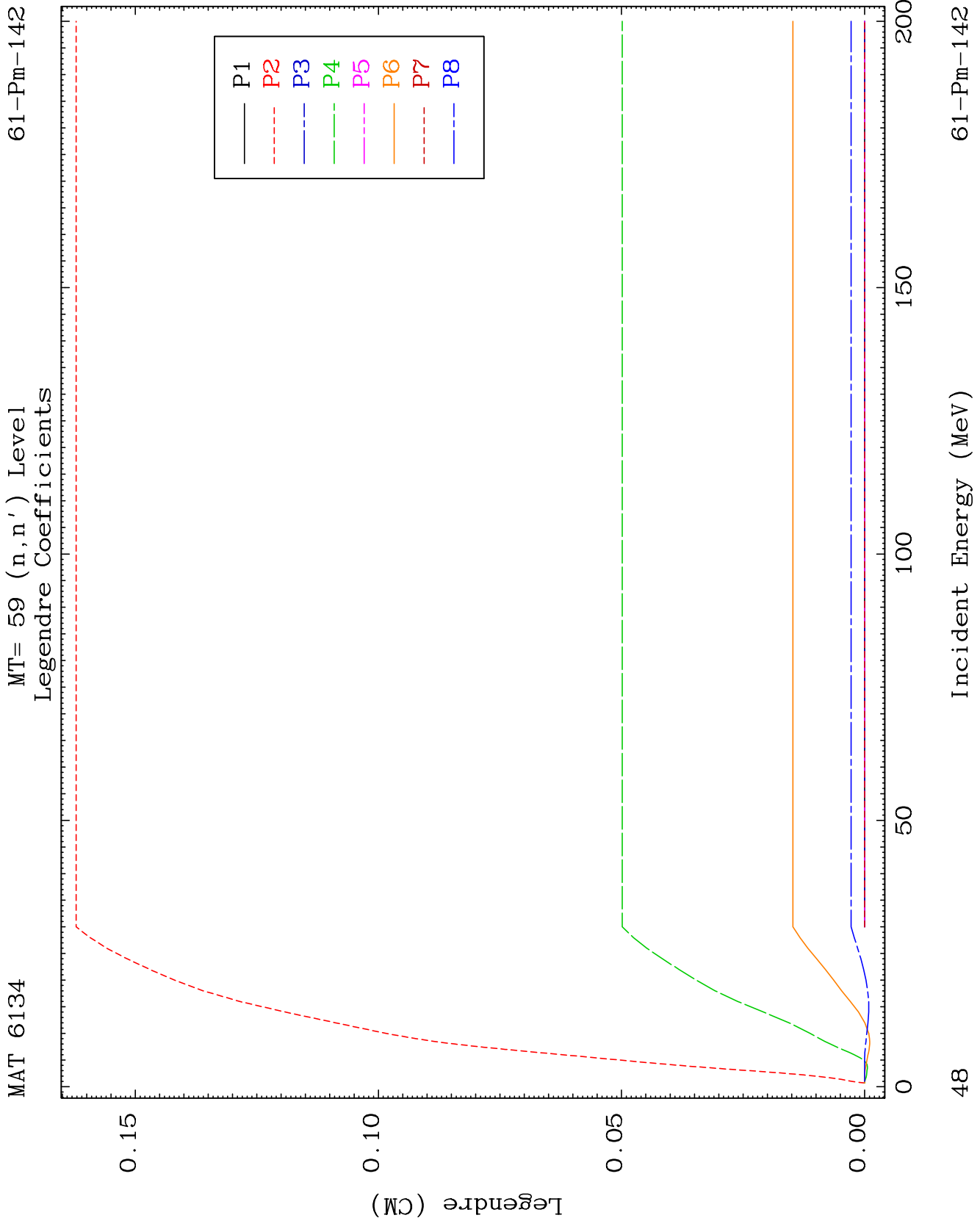
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47

Incident Energy (MeV)

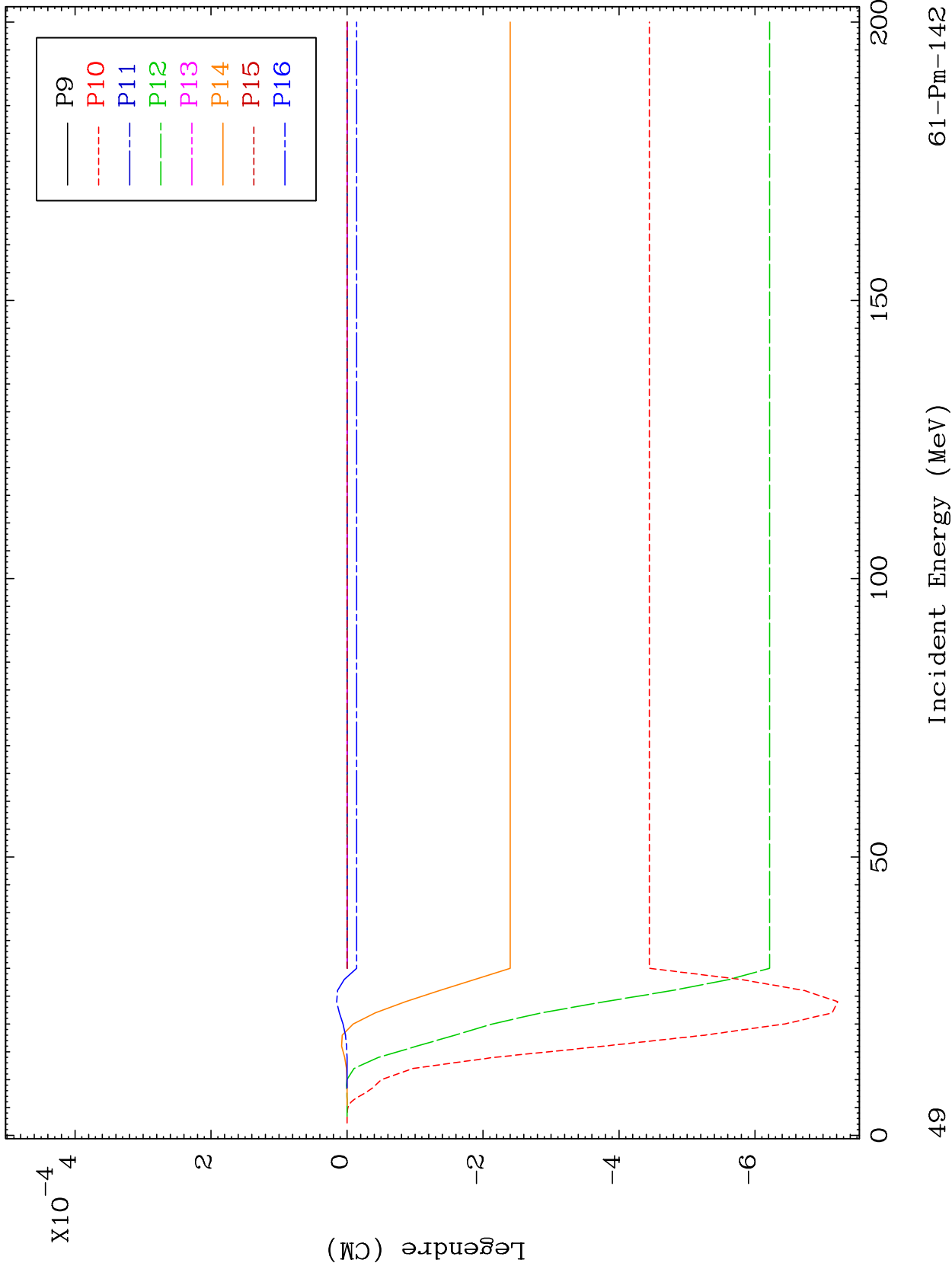
61-Pm-142



MAT 6134

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

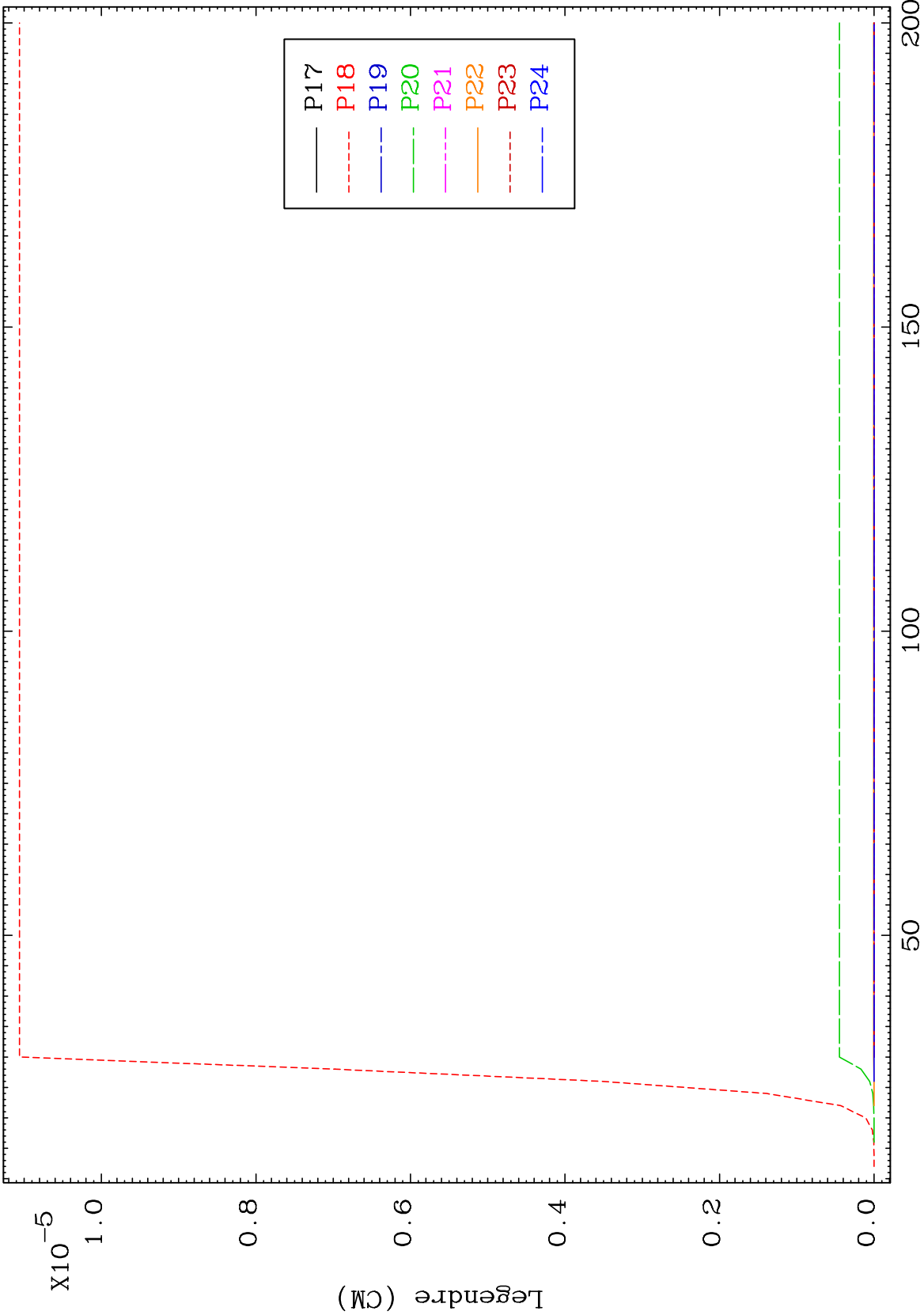
61-Pm-142



MAT 6134

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

61-Pm-142



61-Pm-142

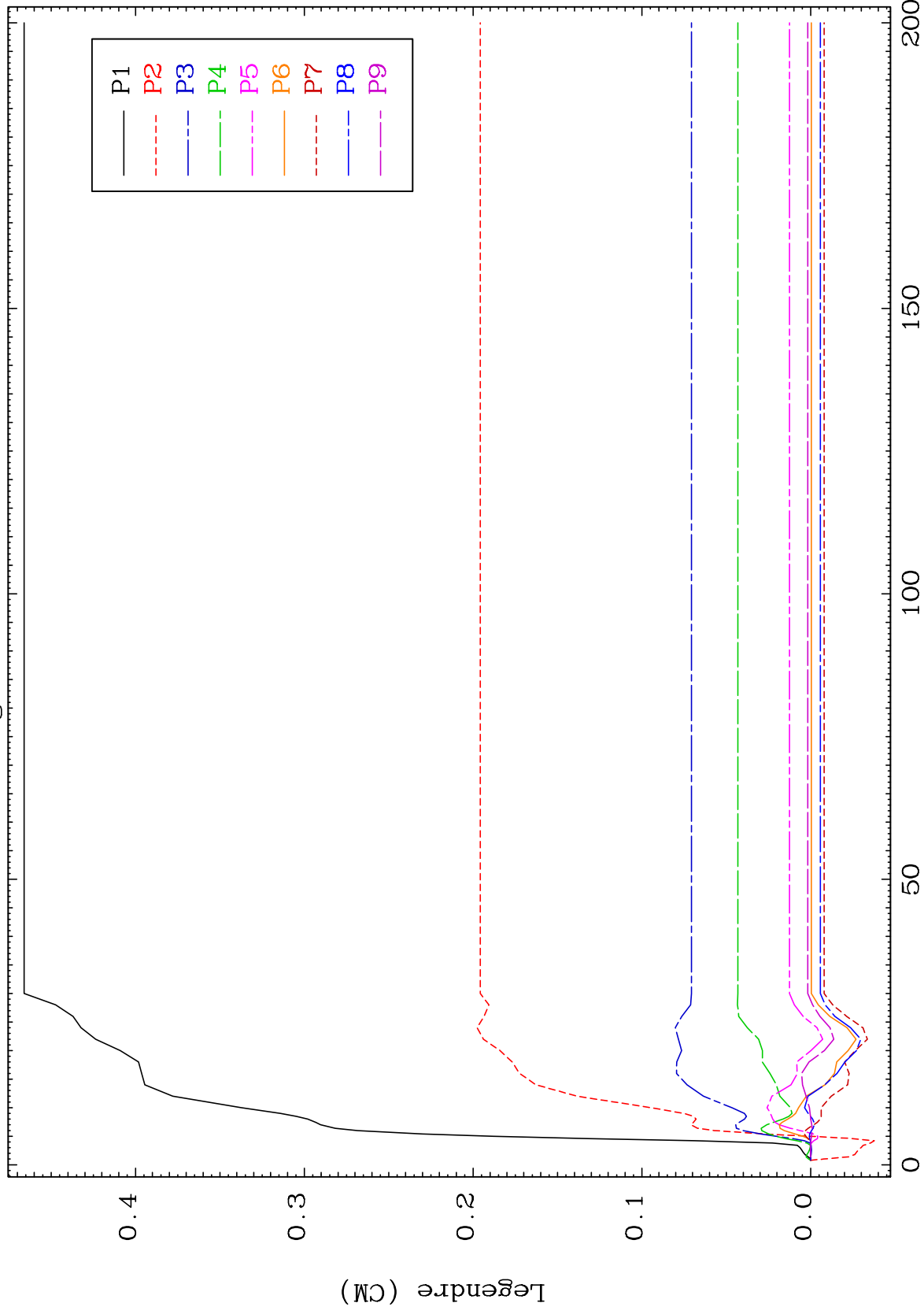
Incident Energy (MeV)

50

MAT 6134

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

61-Pm-142



51

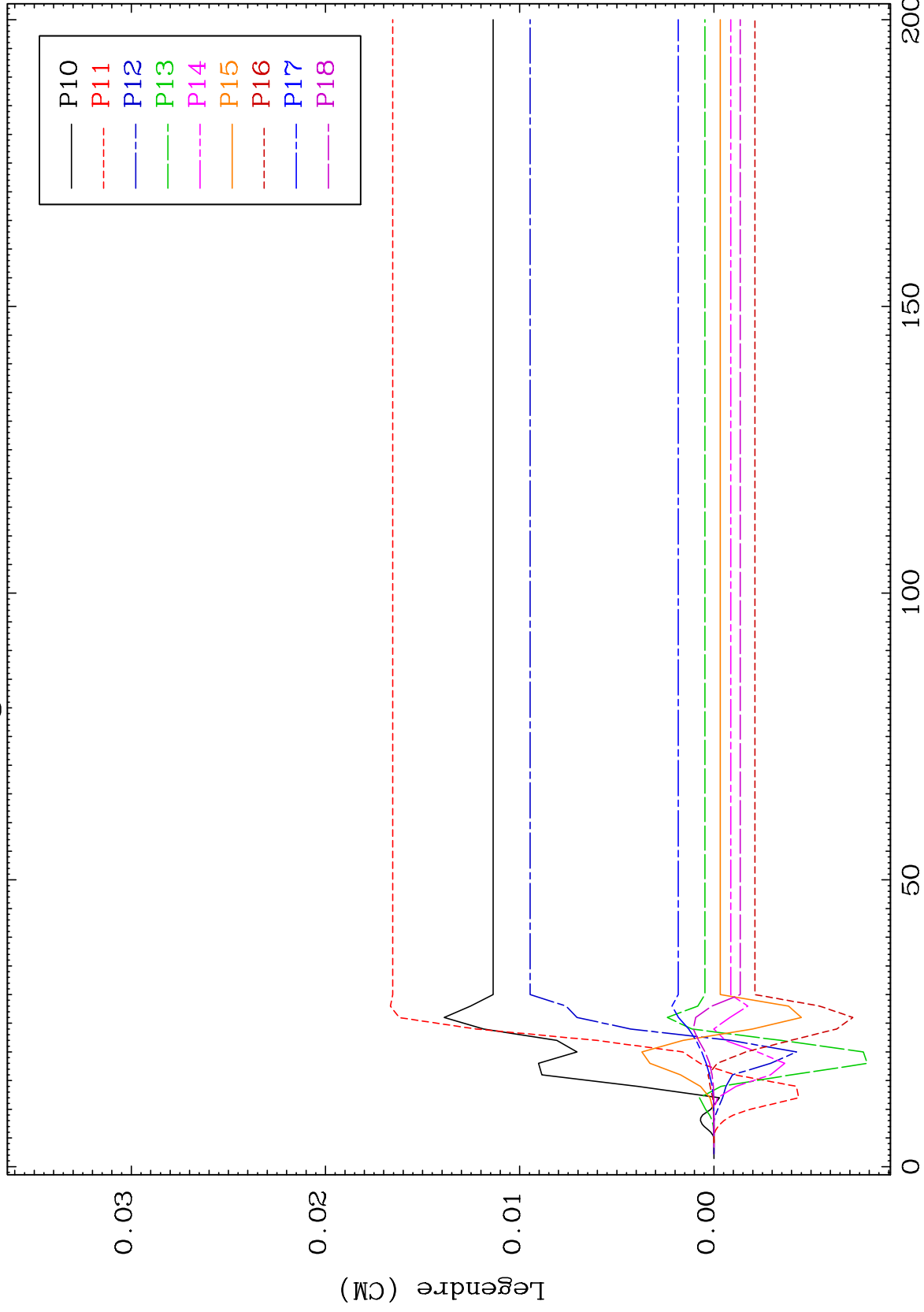
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



52

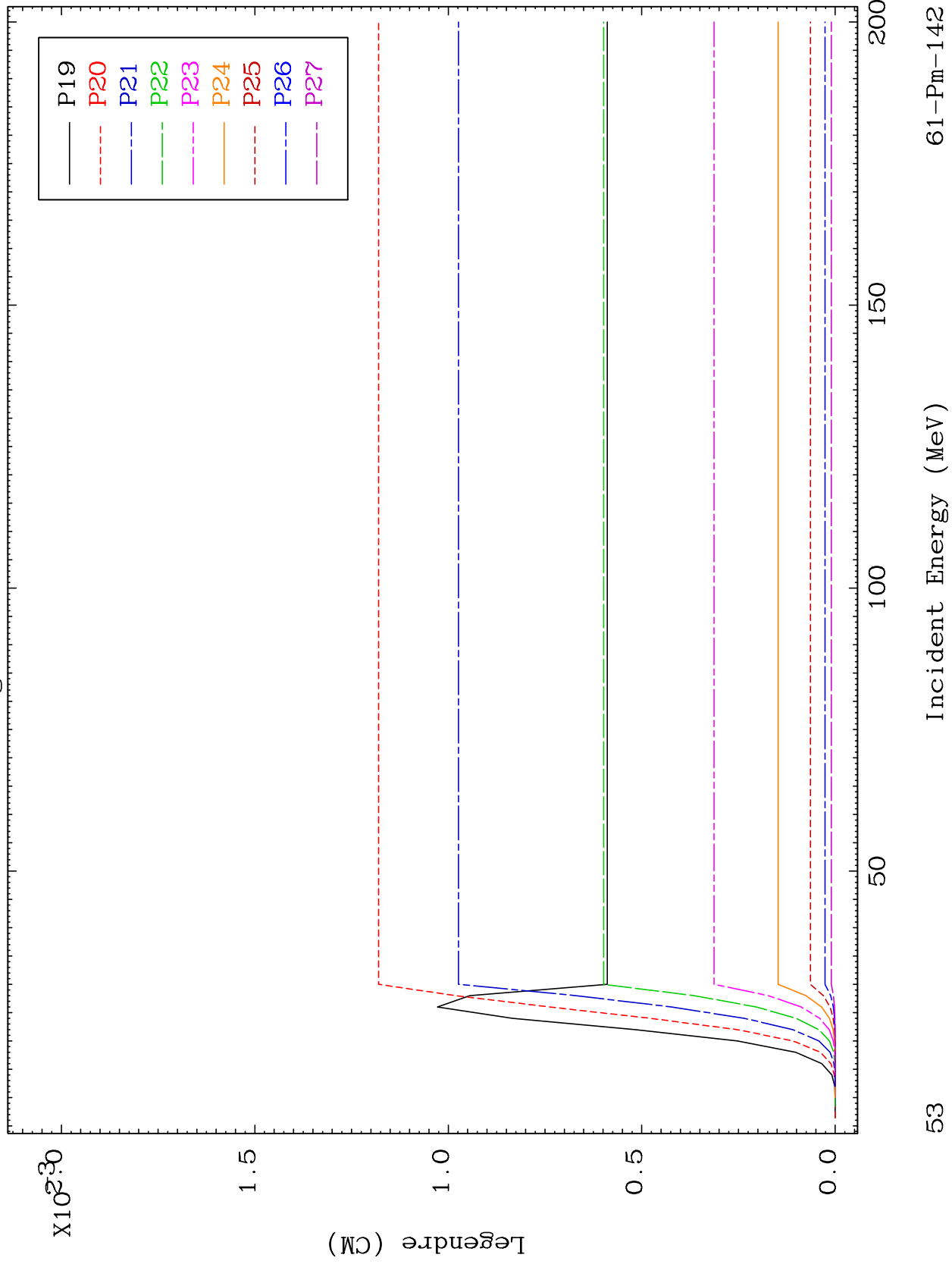
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



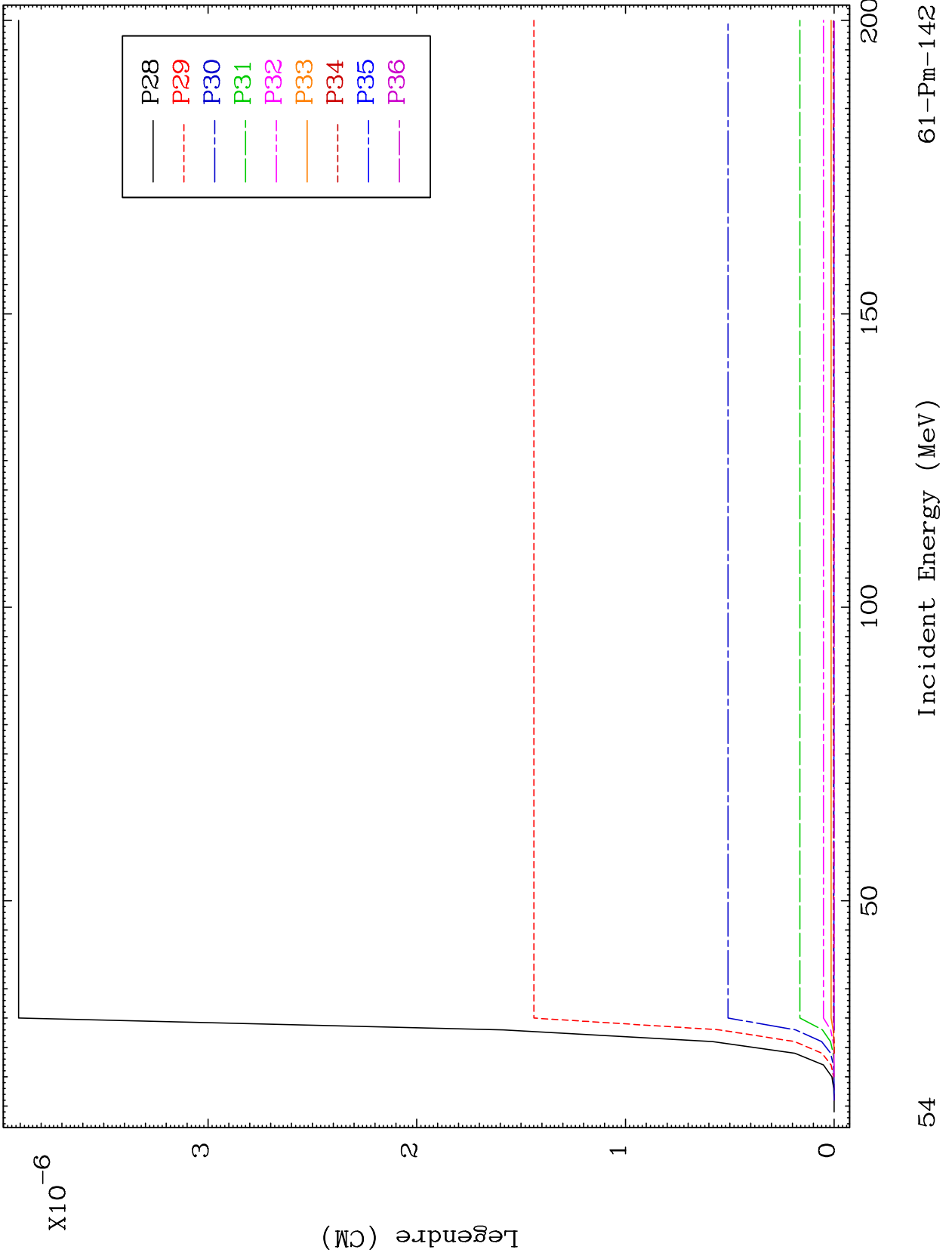
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61-Pm-142

MAT 6134

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

61-Pm-142



54

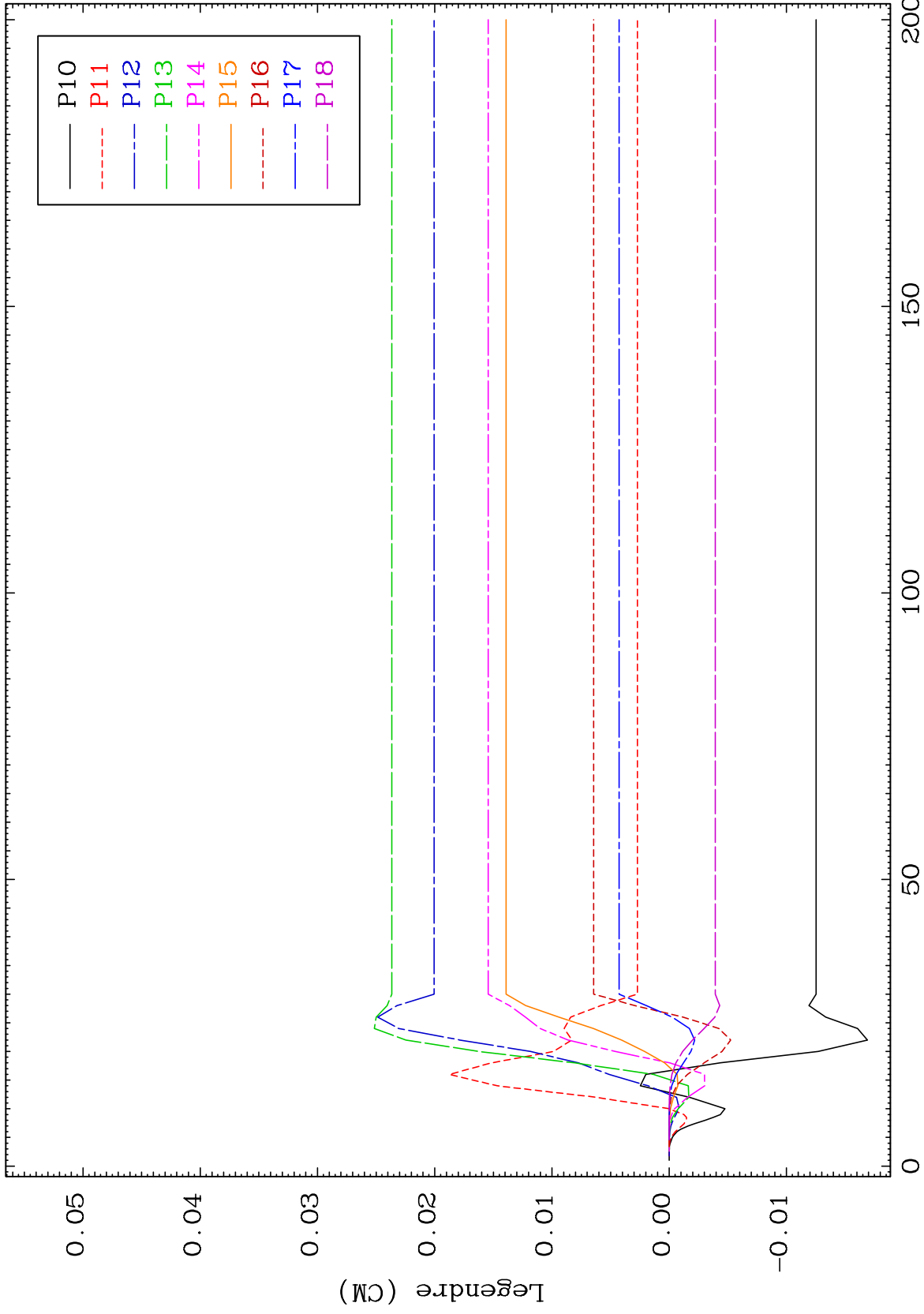
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



56

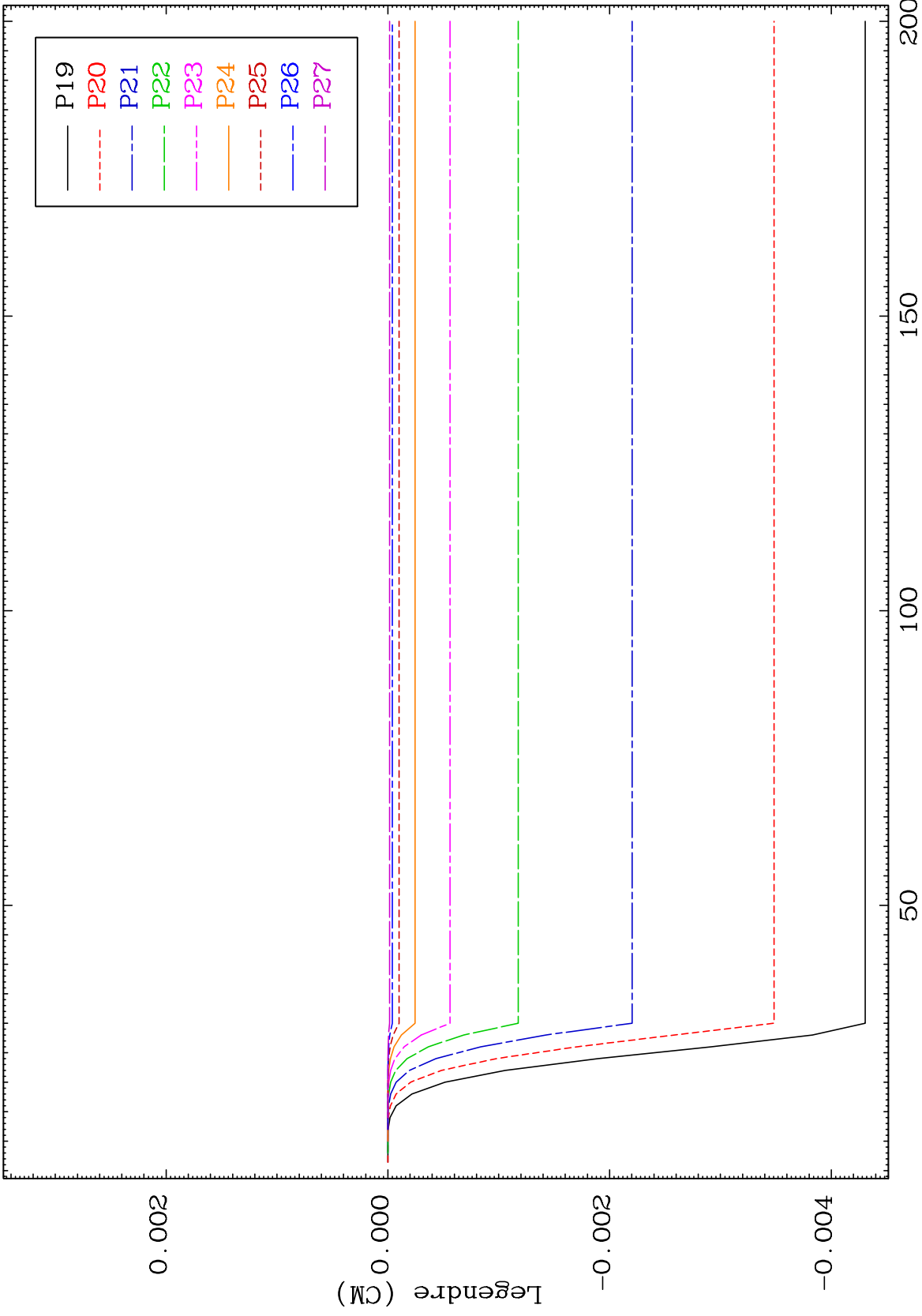
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



57

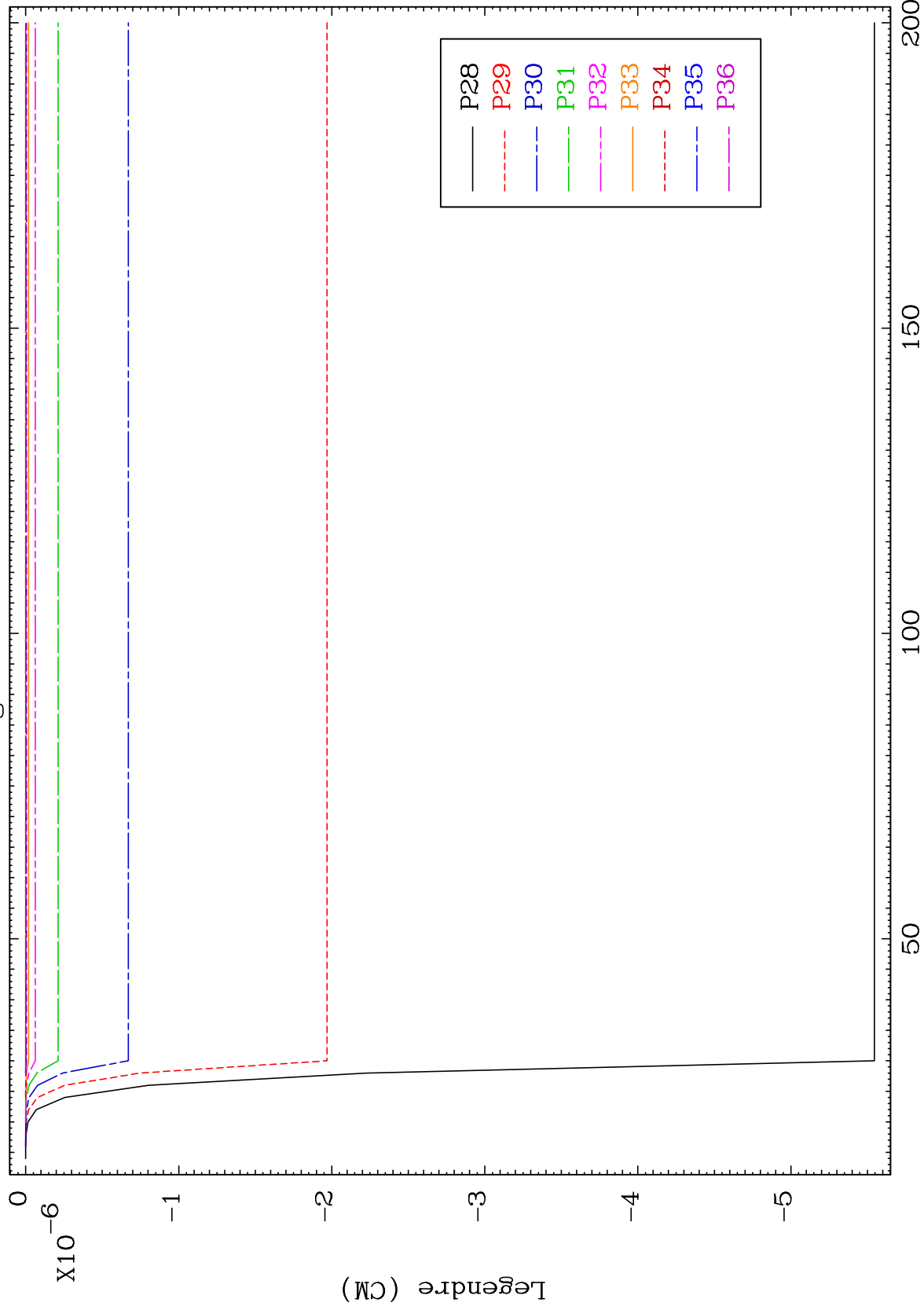
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



58

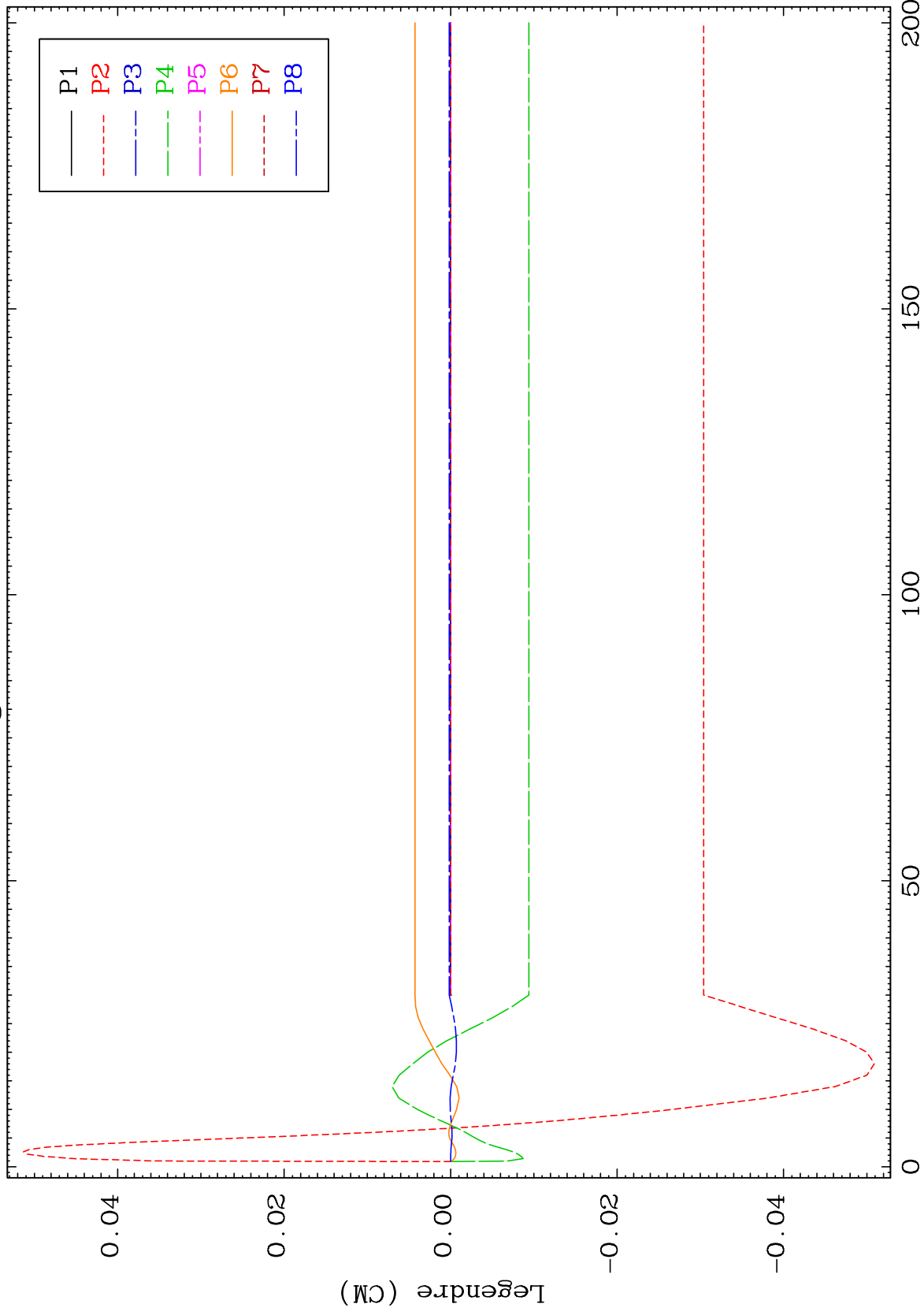
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

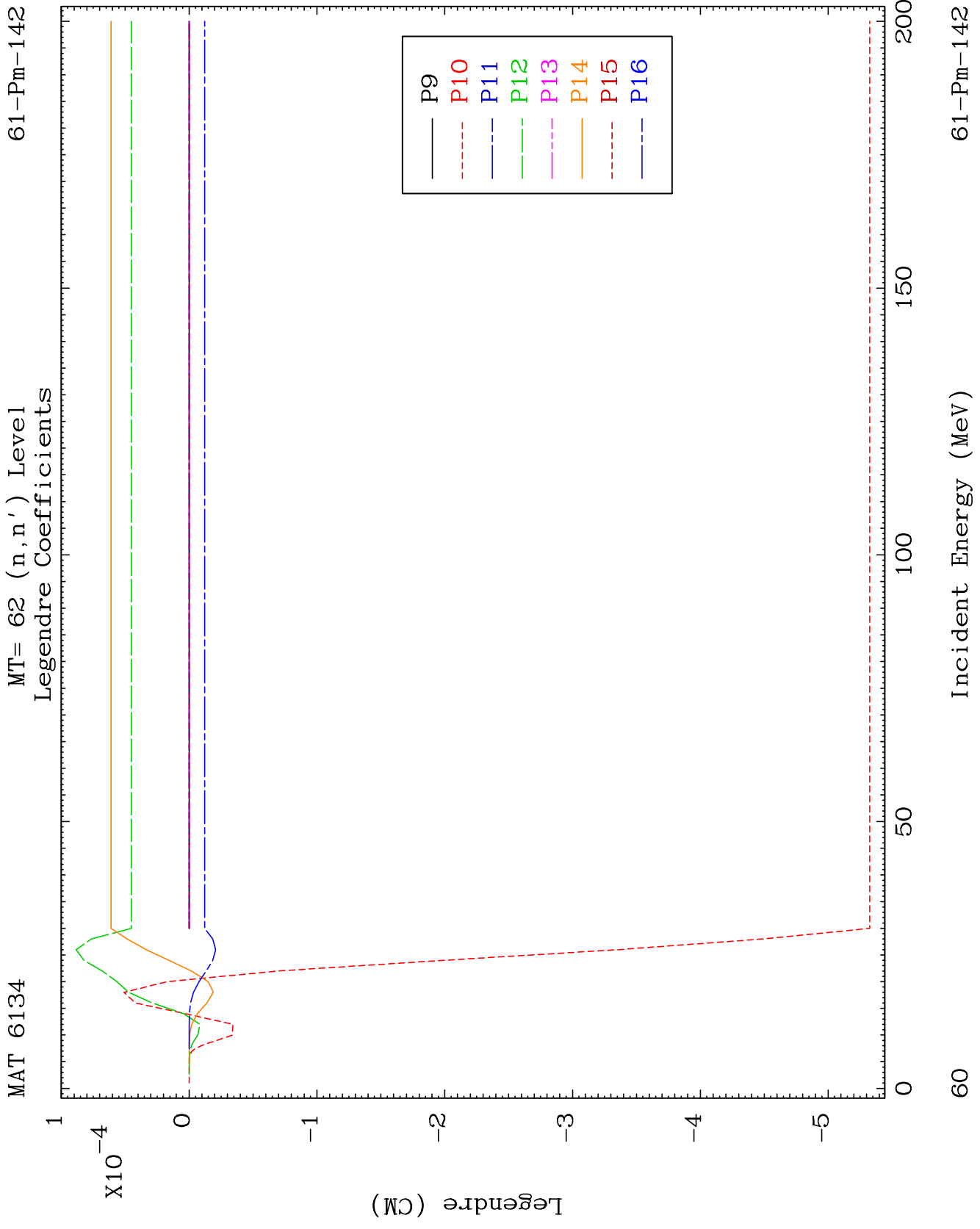
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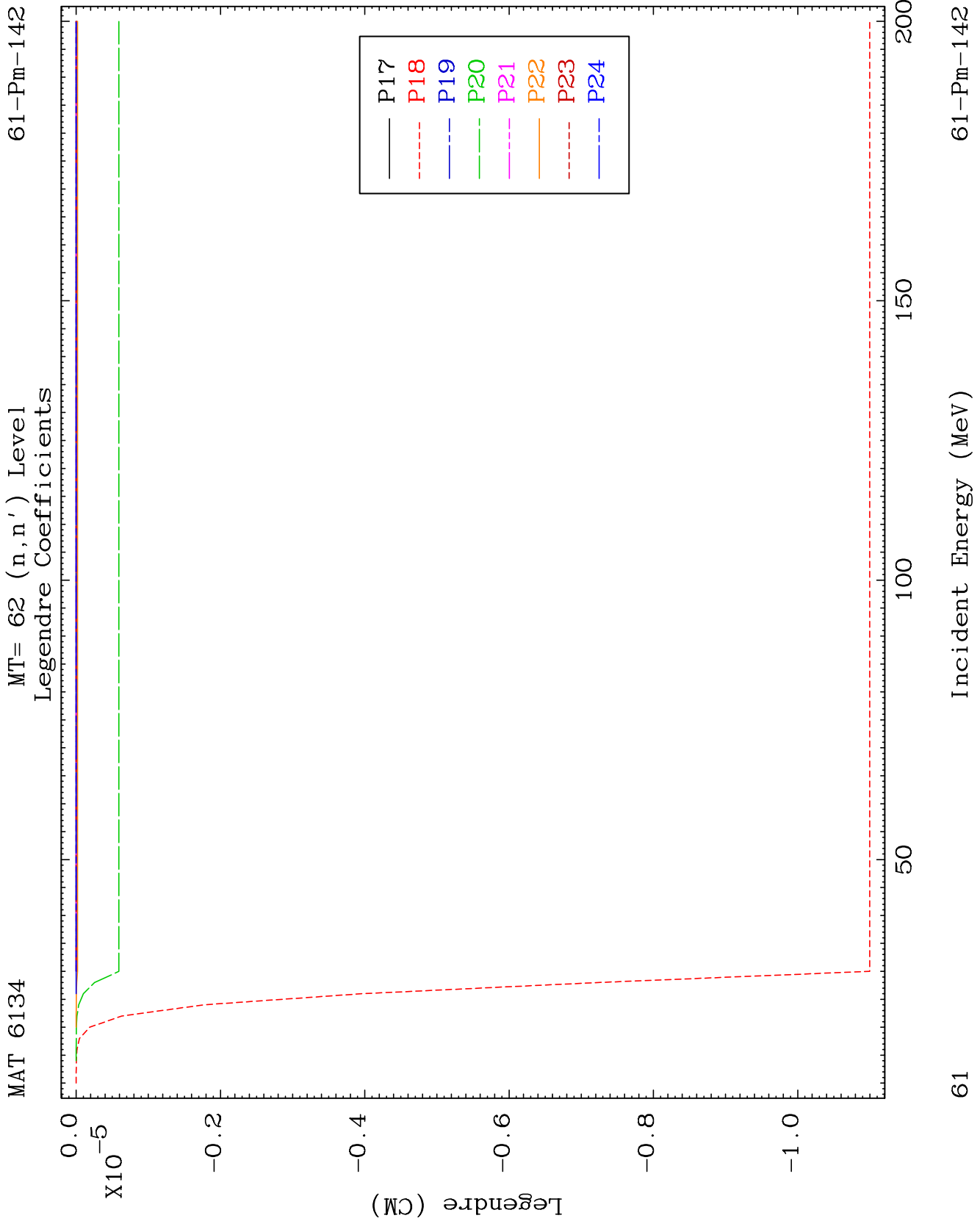


59

Incident Energy (MeV)

61-Pm-142

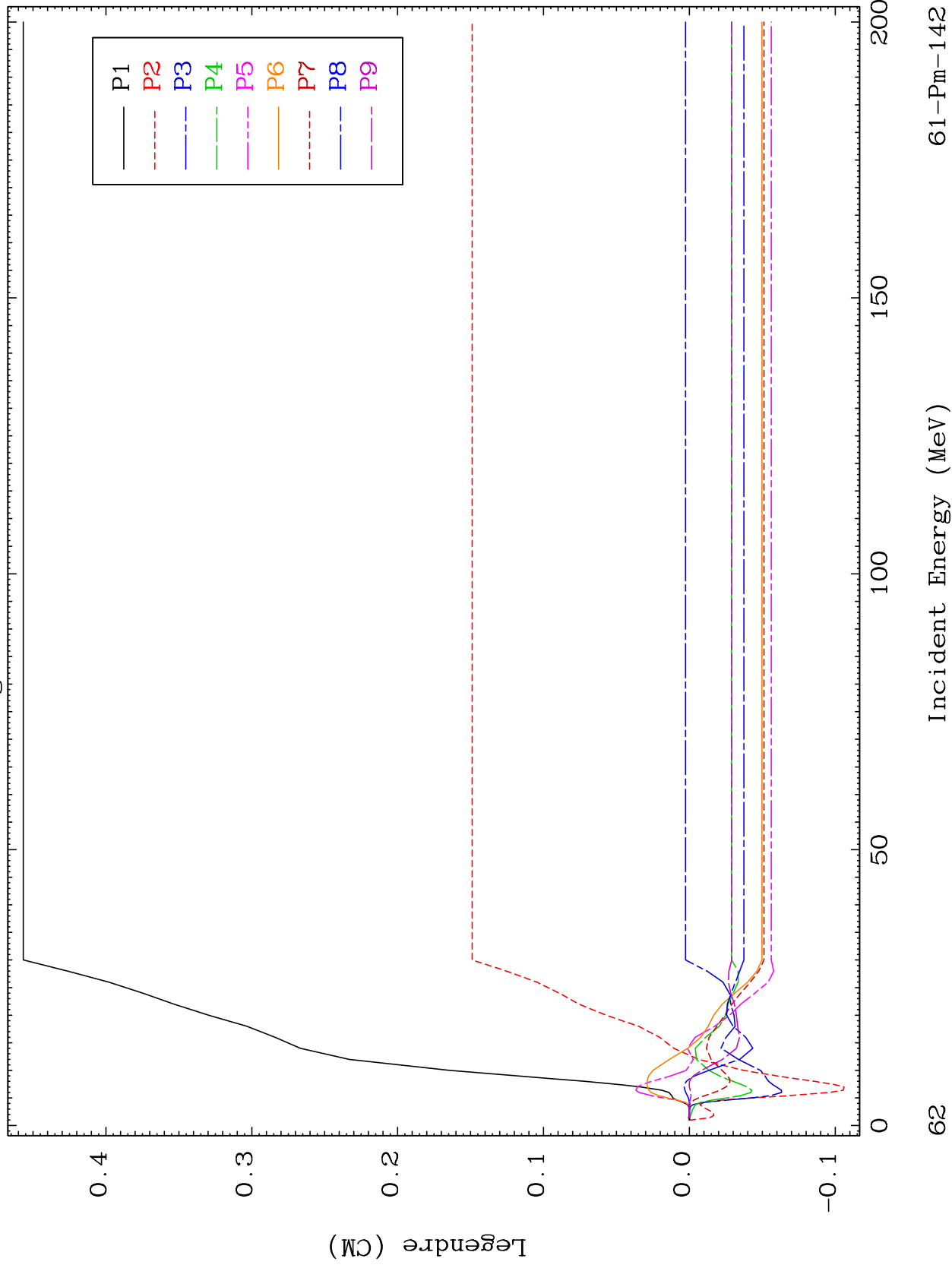




MAT 6134

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

61-Pm-142



61-Pm-142

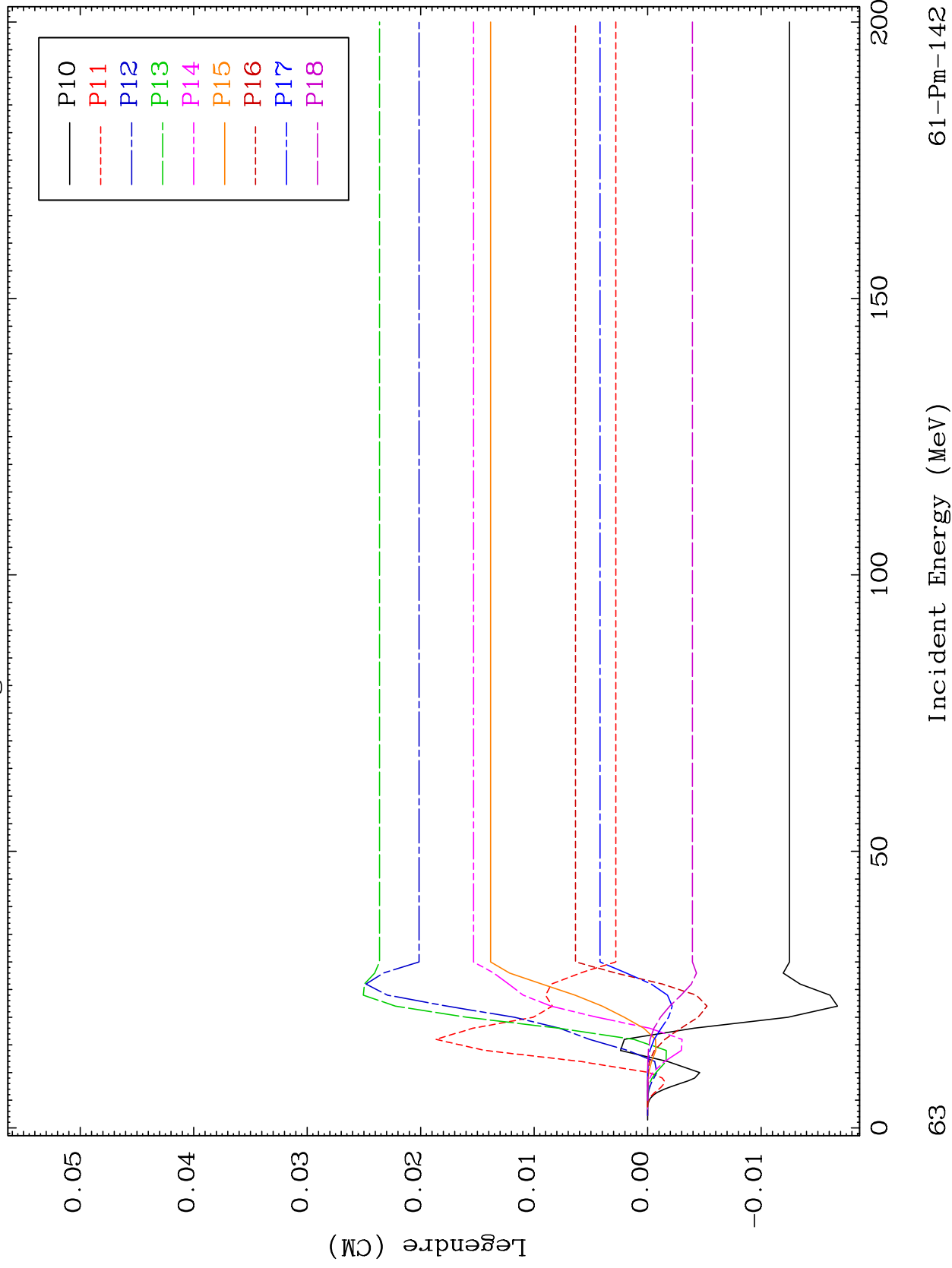
Incident Energy (MeV)

62

MAT 6134

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

61-Pm-142



61-Pm-142

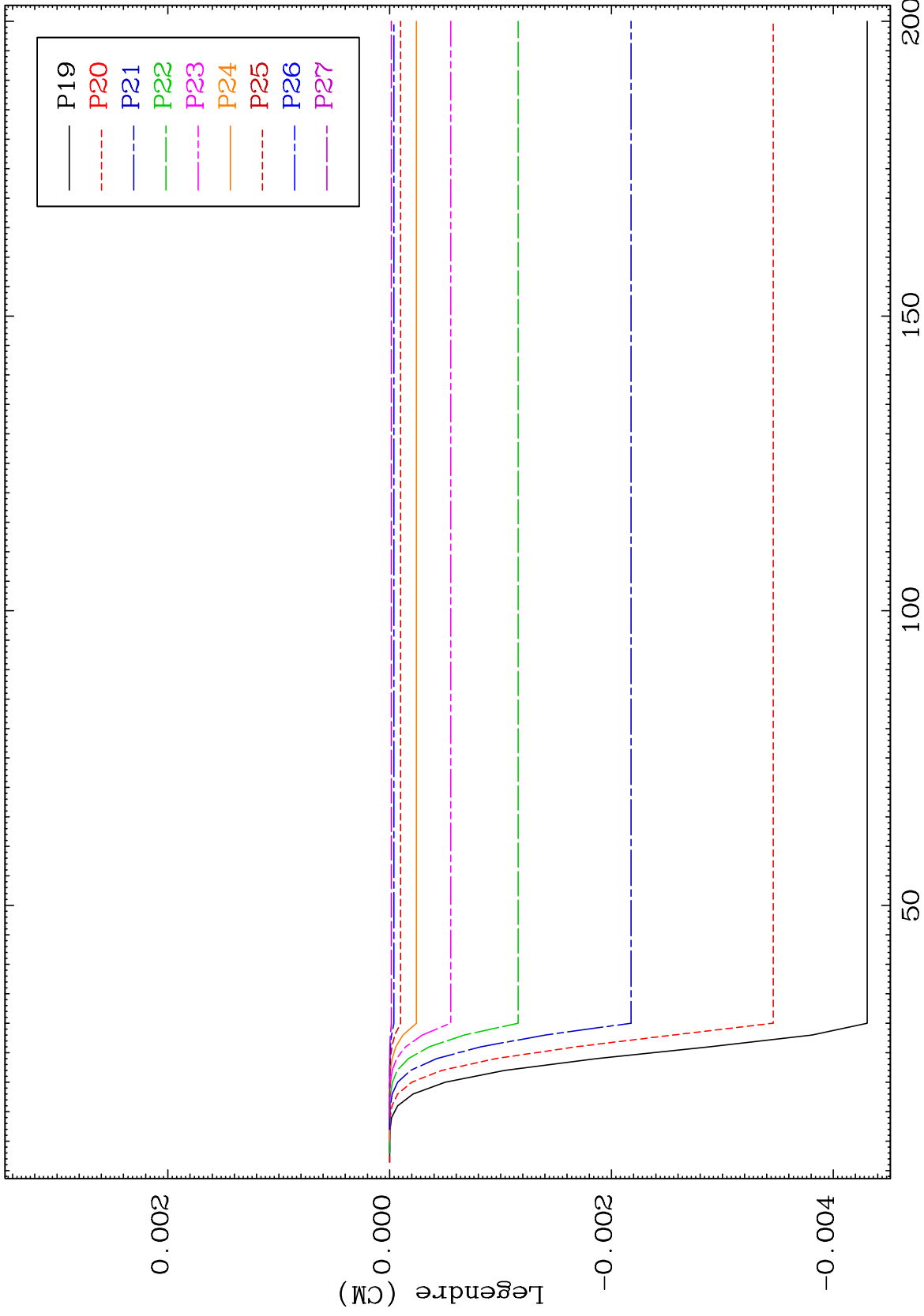
Incident Energy (MeV)

63

MAT 6134

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

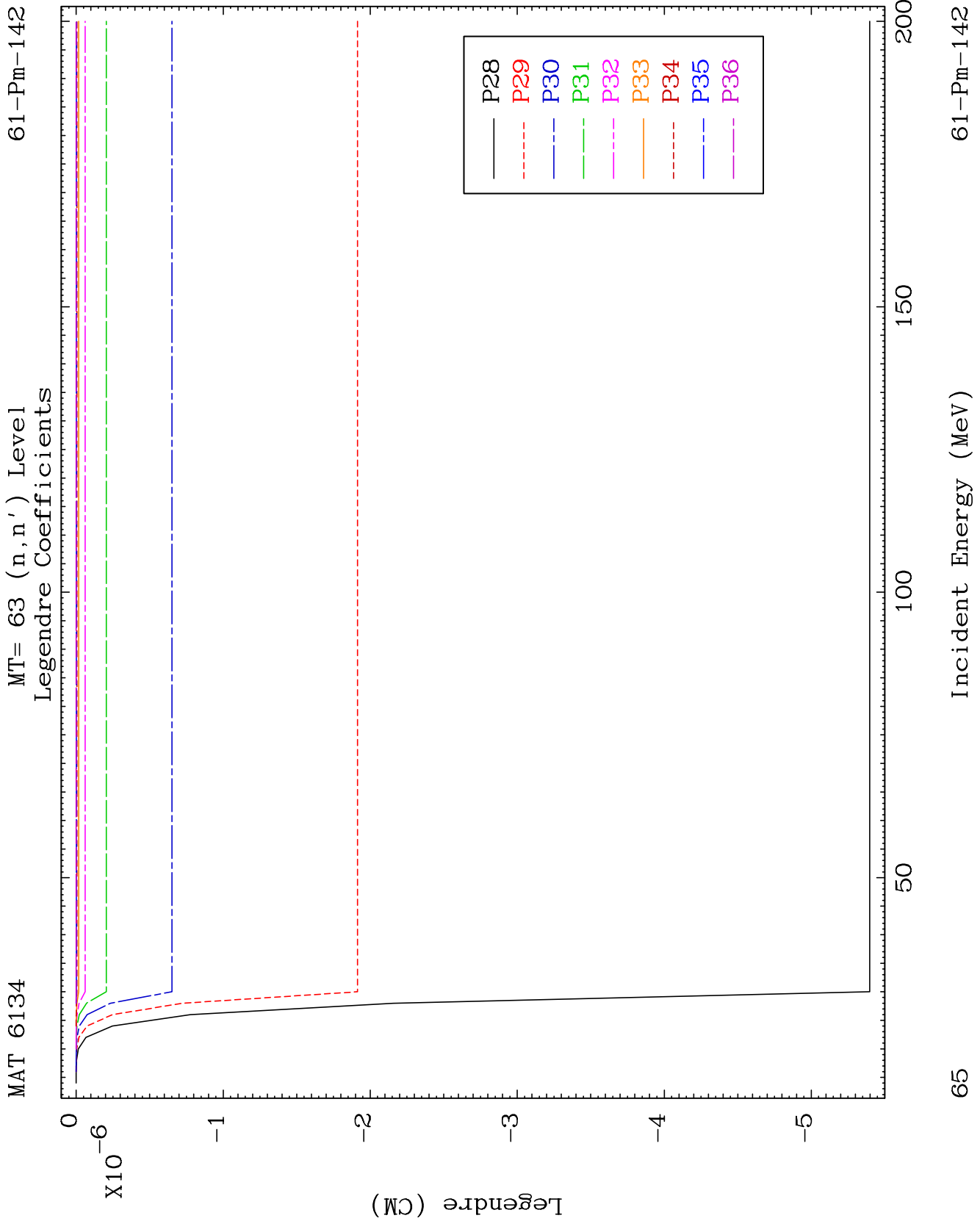
61-Pm-142



64

Incident Energy (MeV)

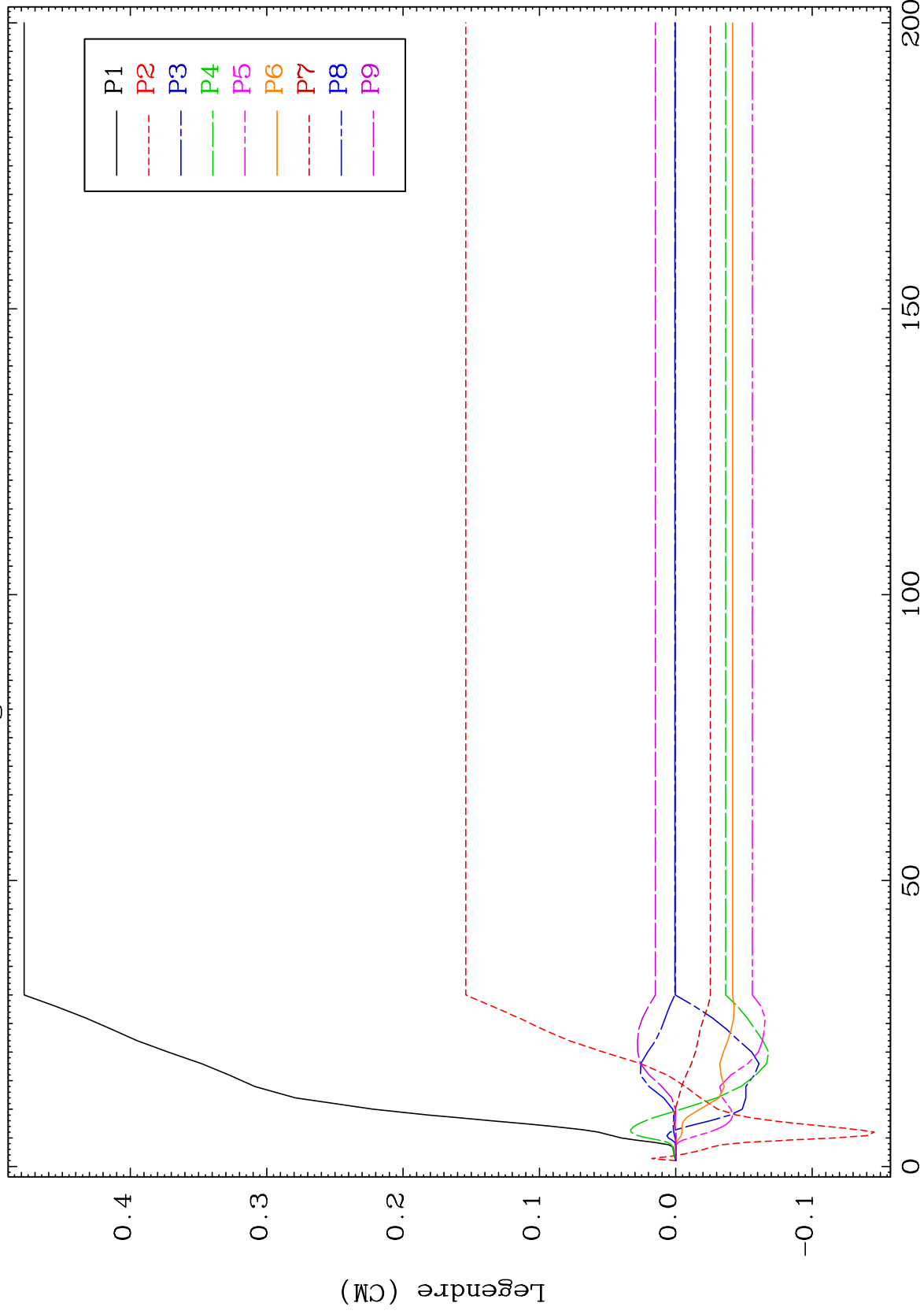
61-Pm-142



MAT 6134

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

61-Pm-142



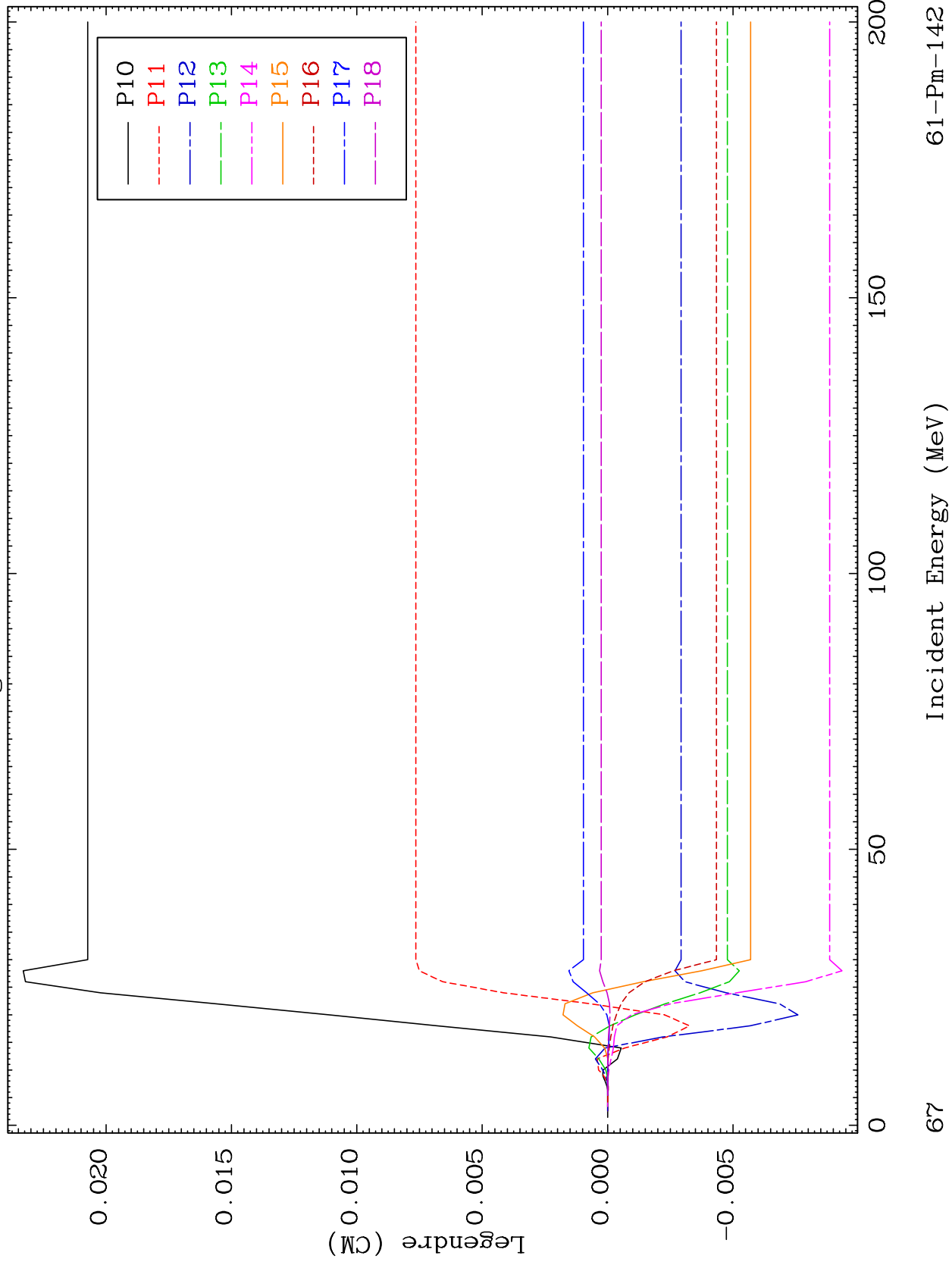
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61-Pm-142

MAT 6134

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

61-Pm-142



61-Pm-142

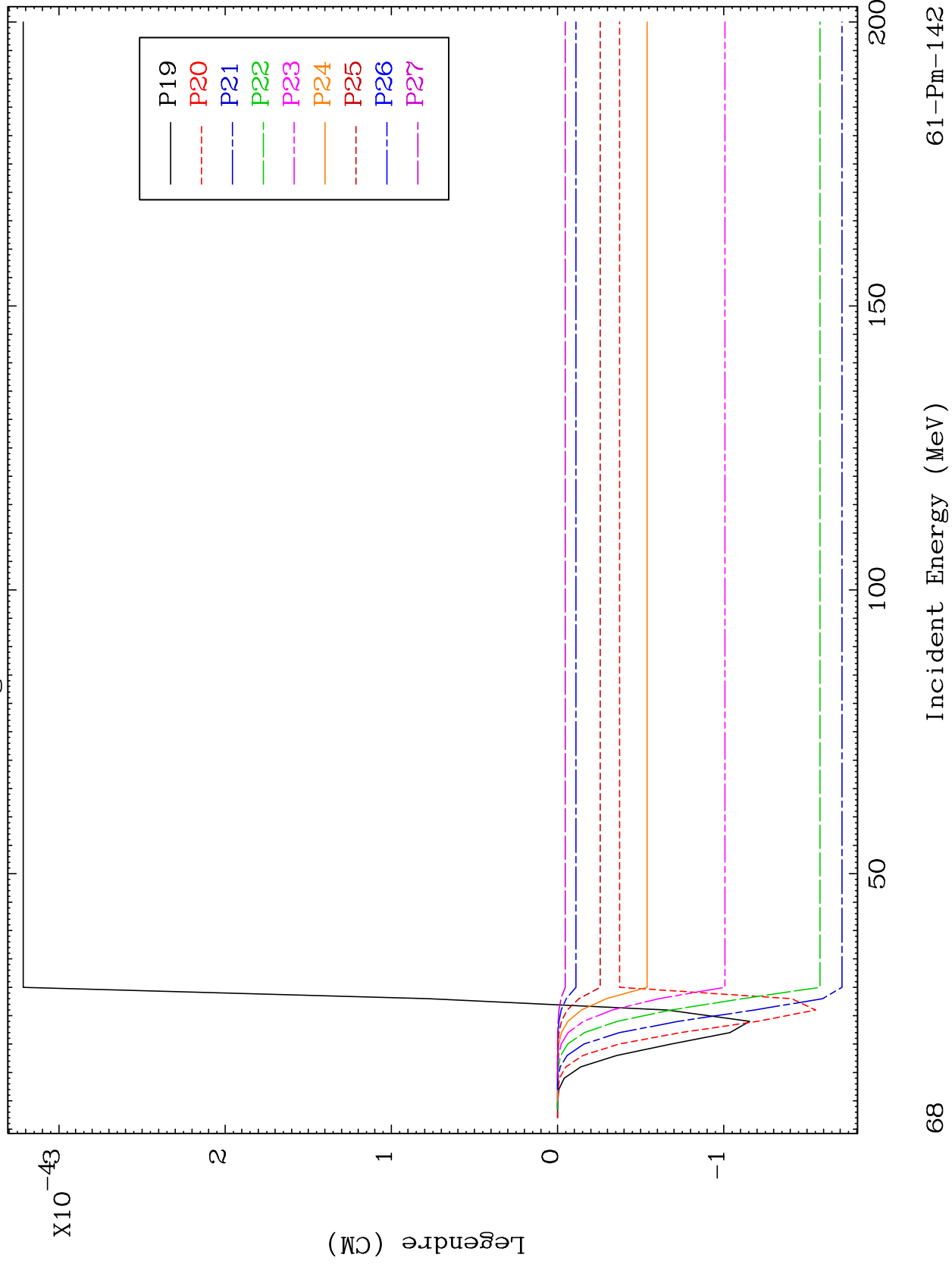
Incident Energy (MeV)

67

MAT 6134

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

61-Pm-142



68

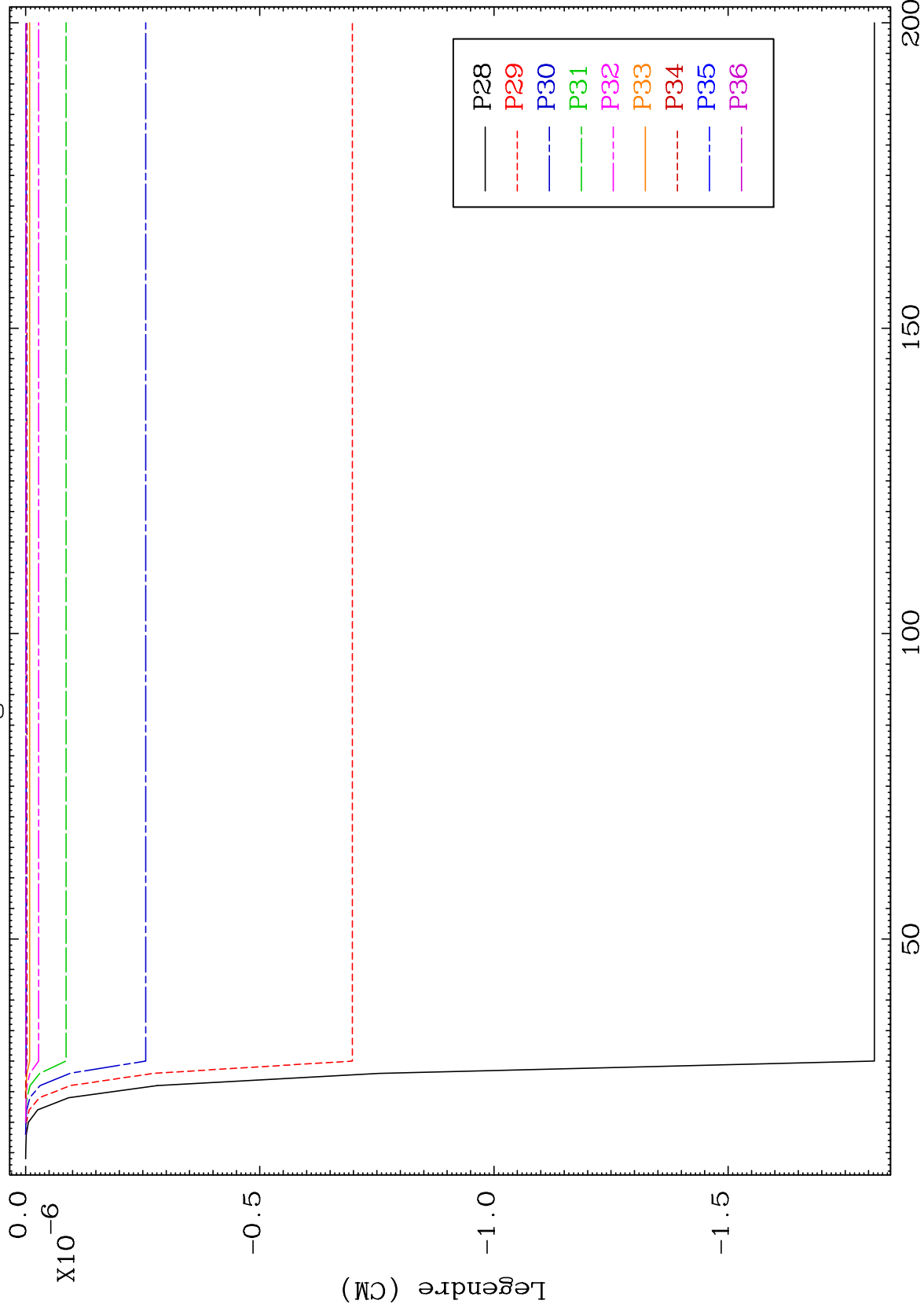
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



69

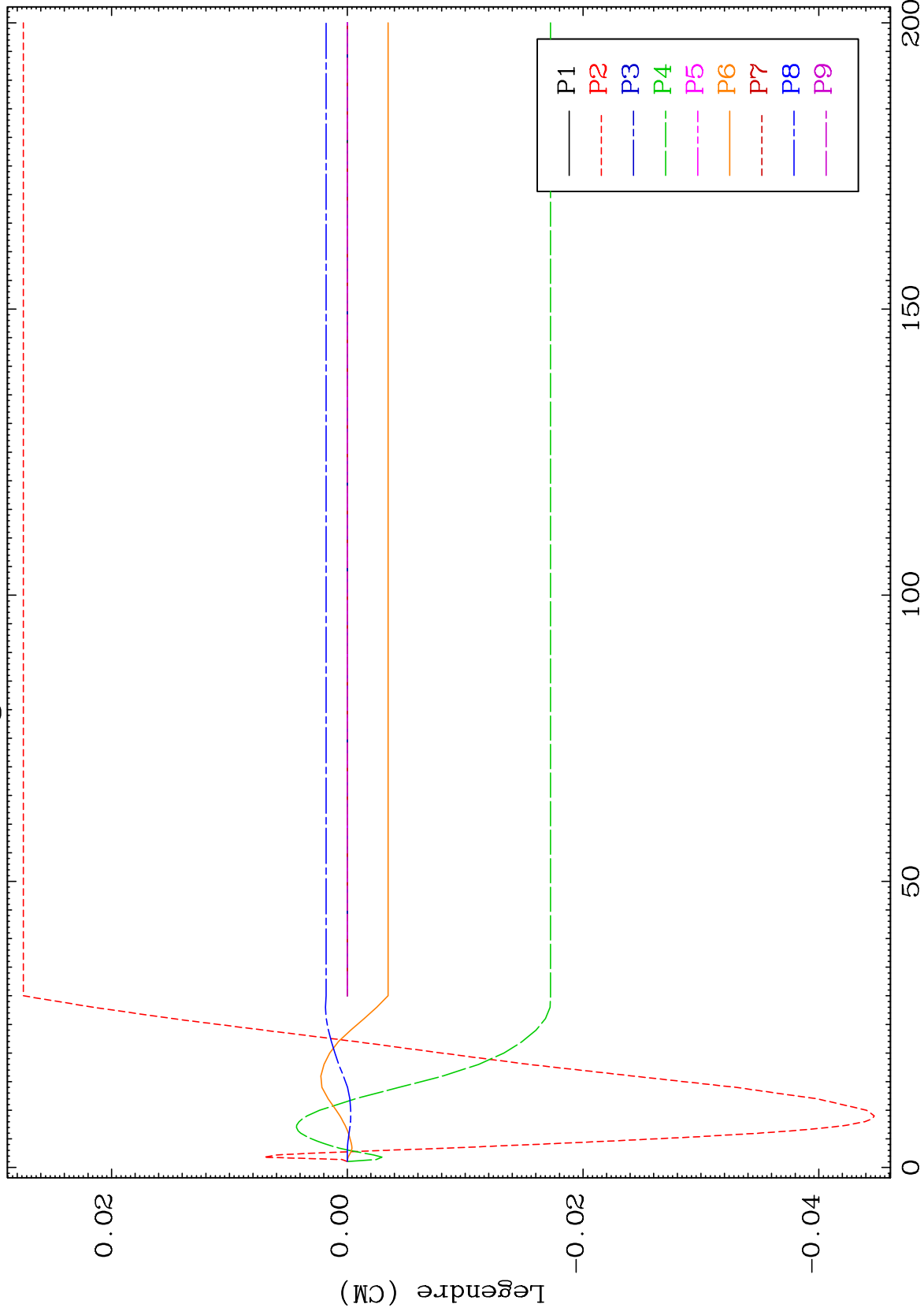
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



61-Pm-142

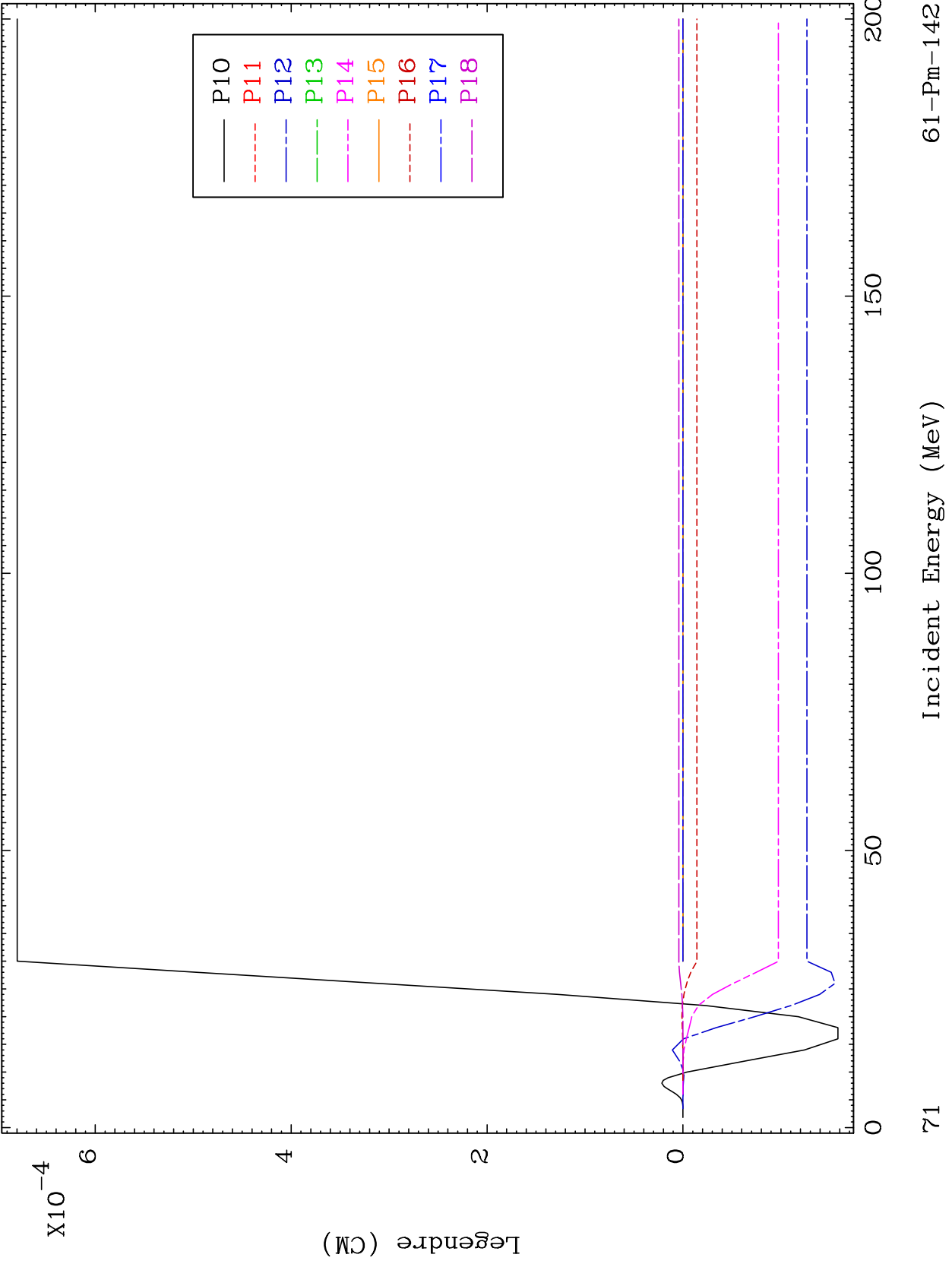
Incident Energy (MeV)

70

MAT 6134

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

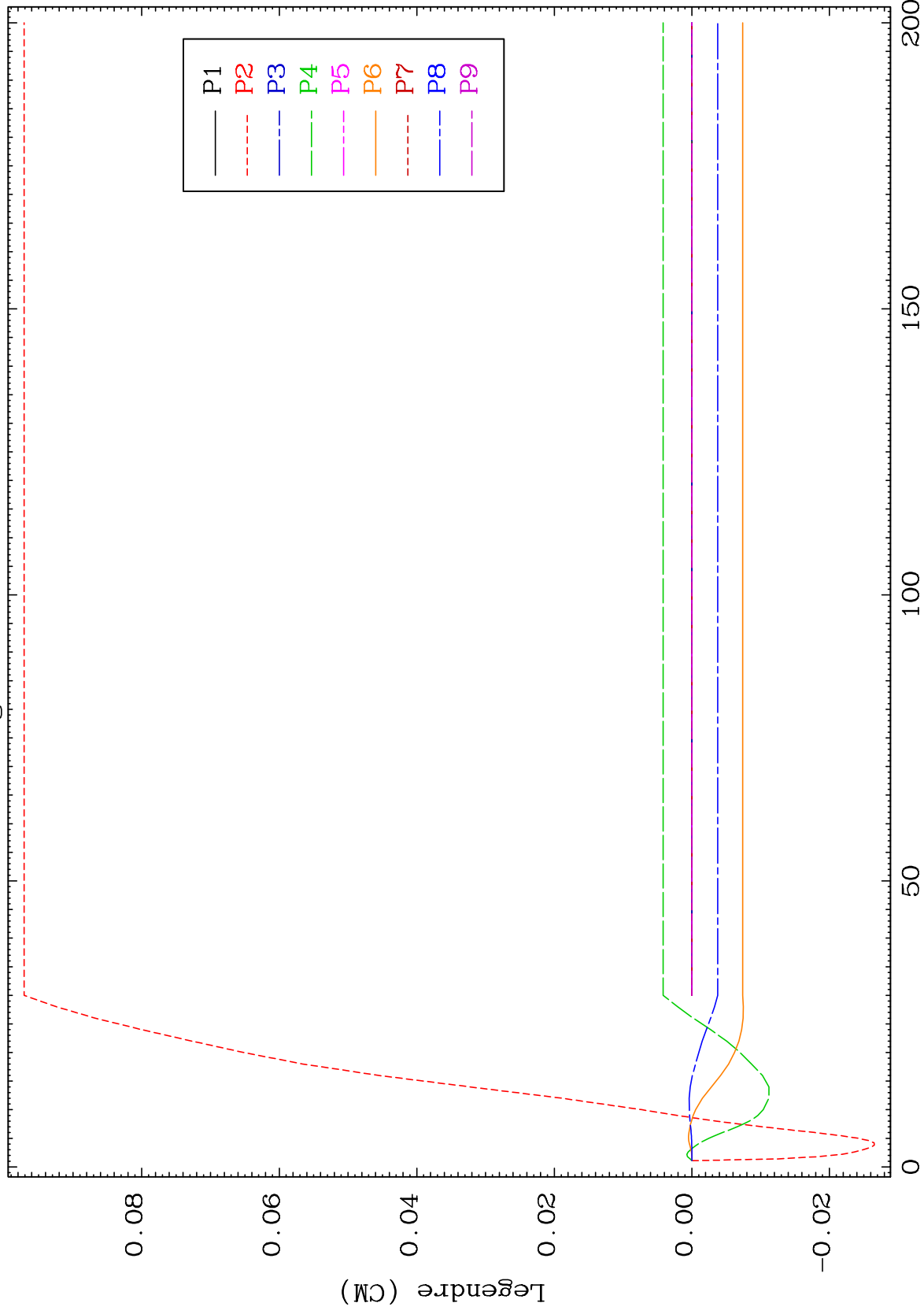
61-Pm-142



MAT 6134

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

61-Pm-142



73

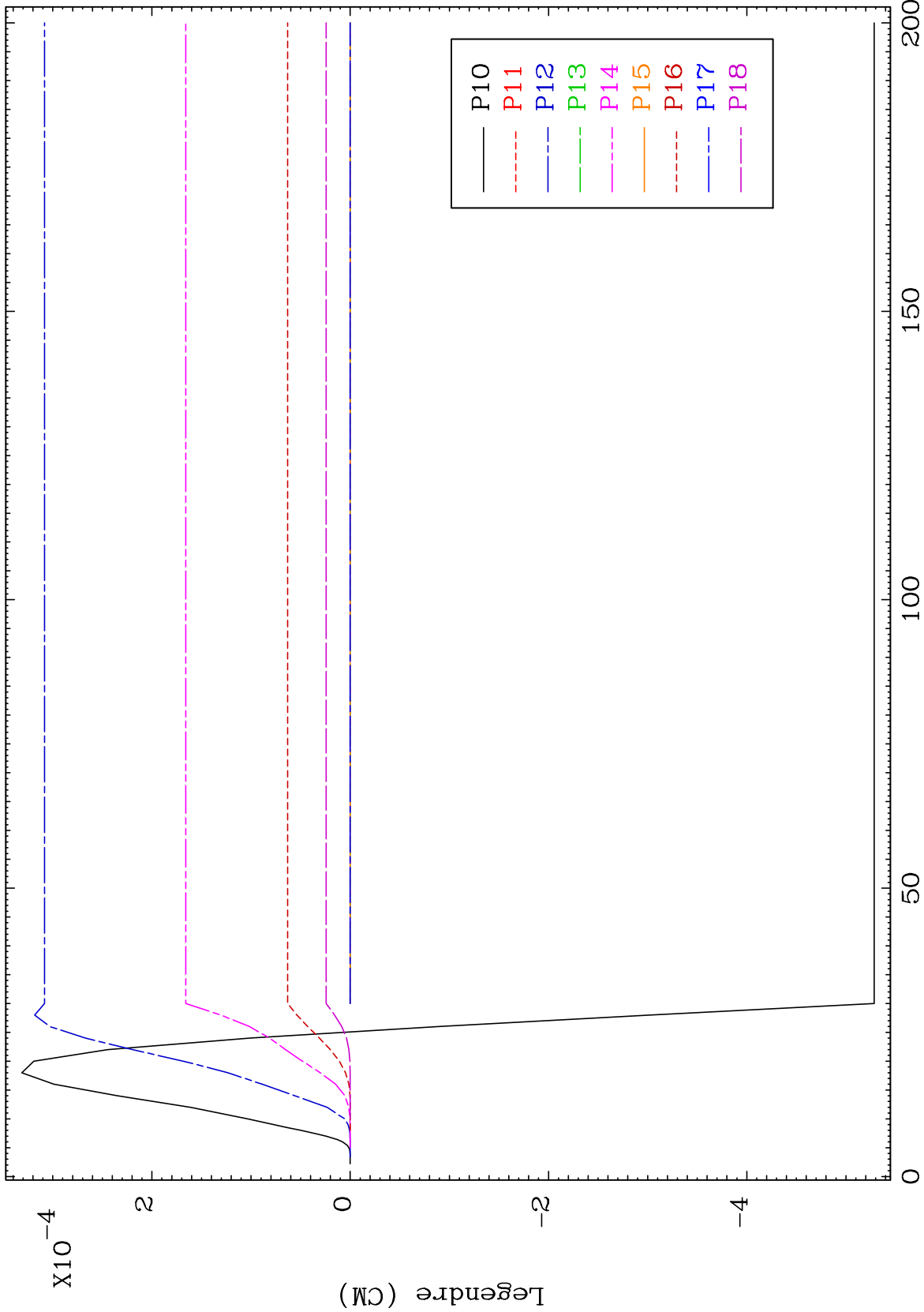
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

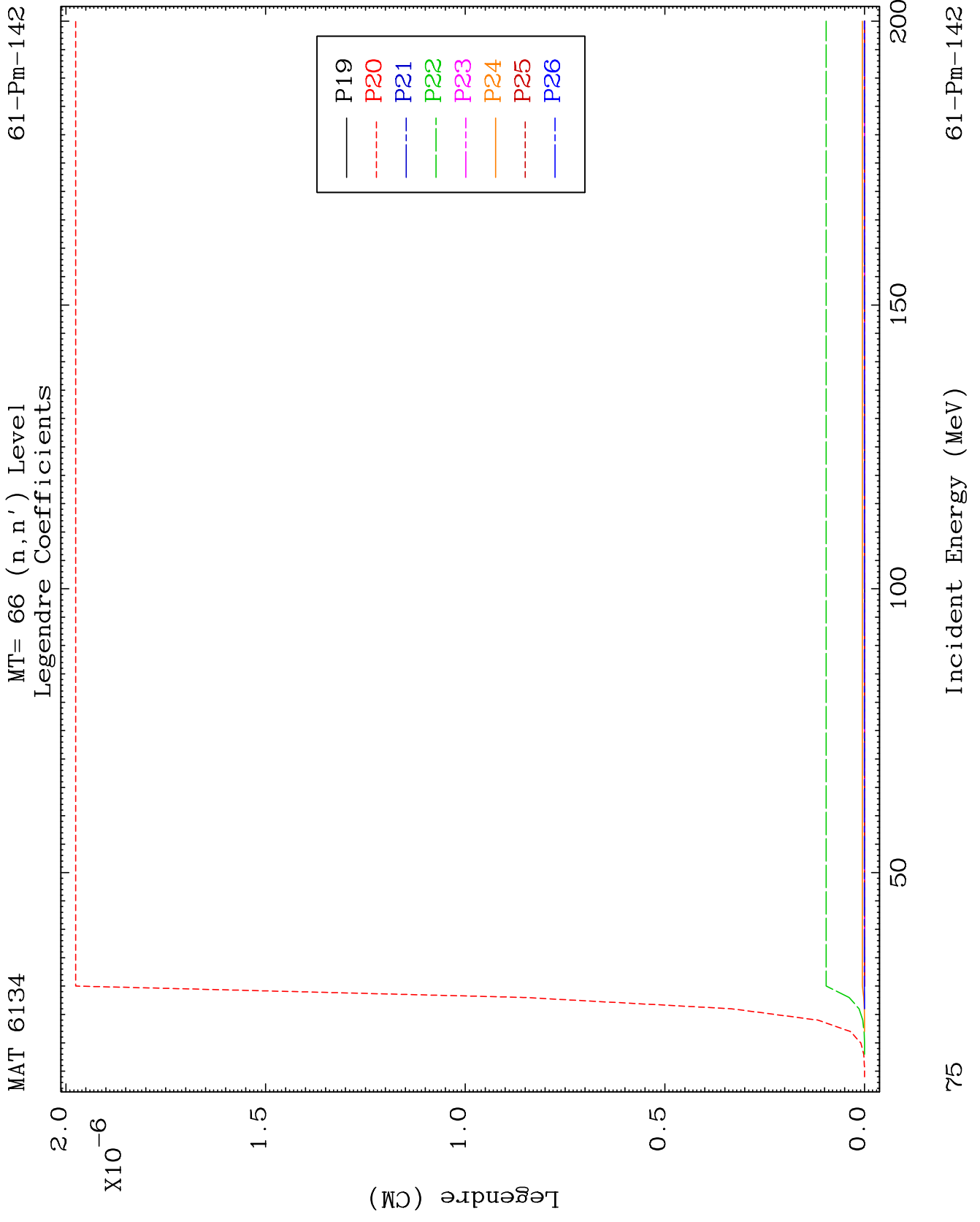
61-Pm-142



74

Incident Energy (MeV)

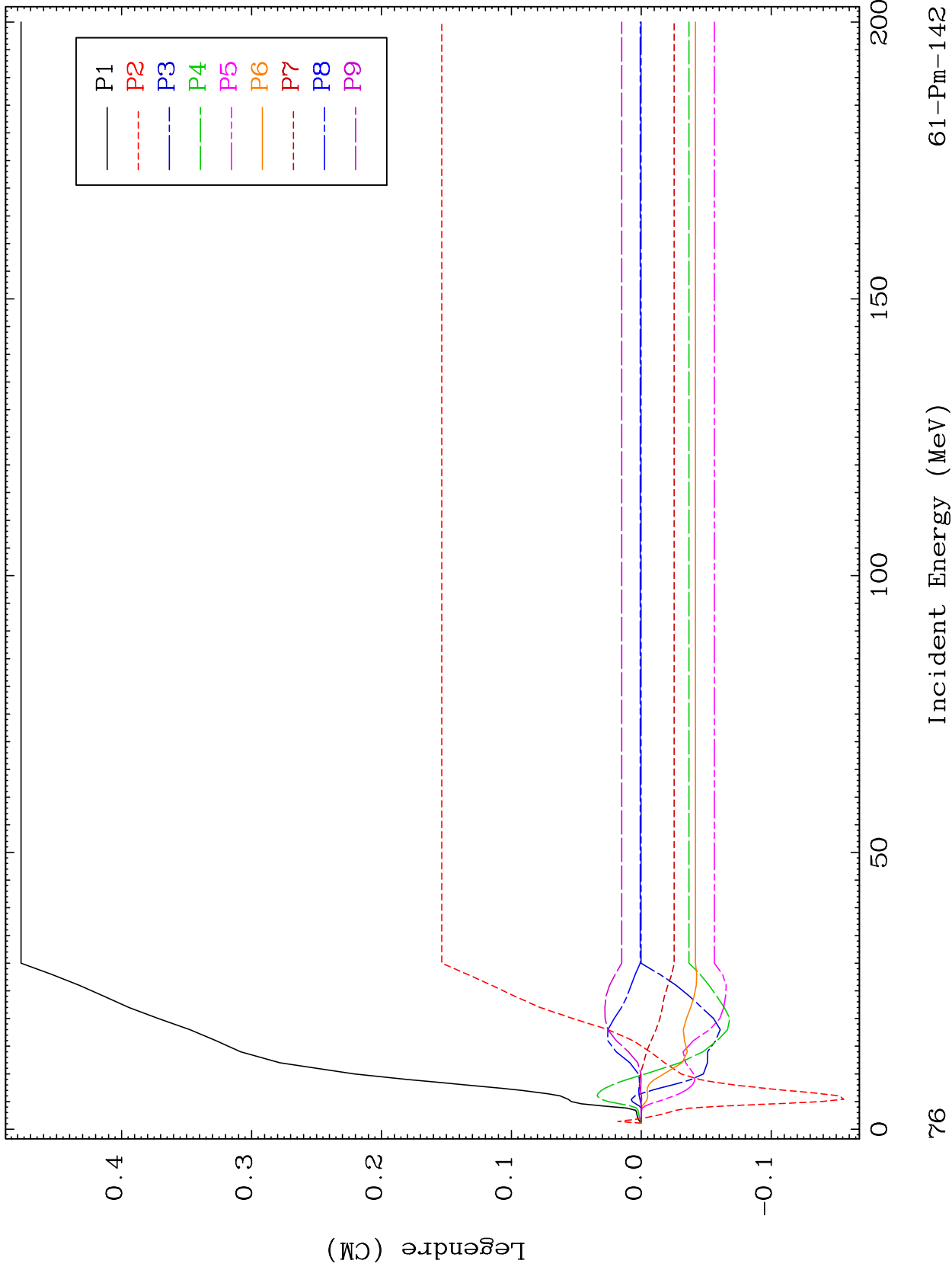
61-Pm-142



MAT 6134

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

61-Pm-142



61-Pm-142

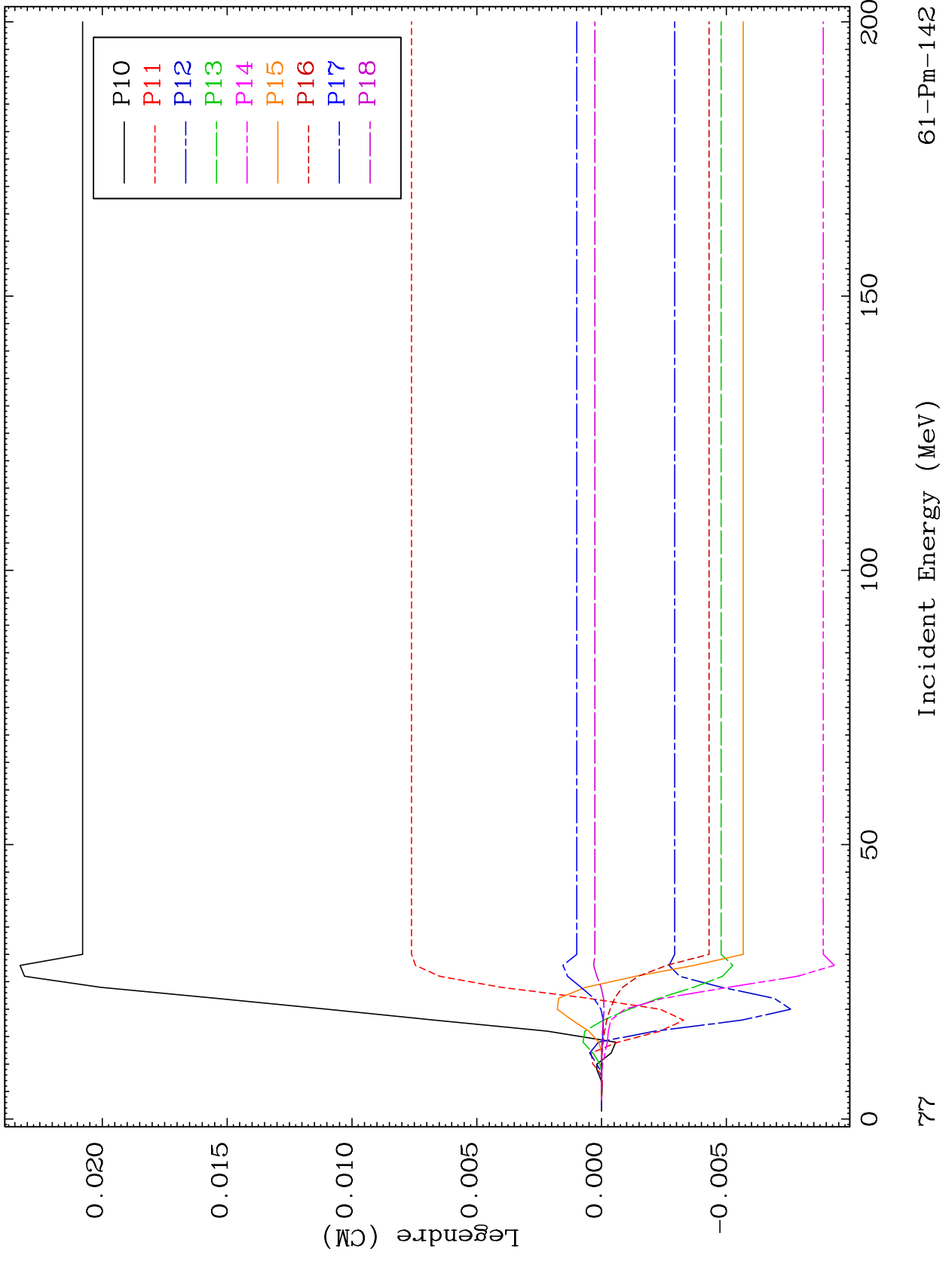
Incident Energy (MeV)

76

MAT 6134

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

61-Pm-142



77

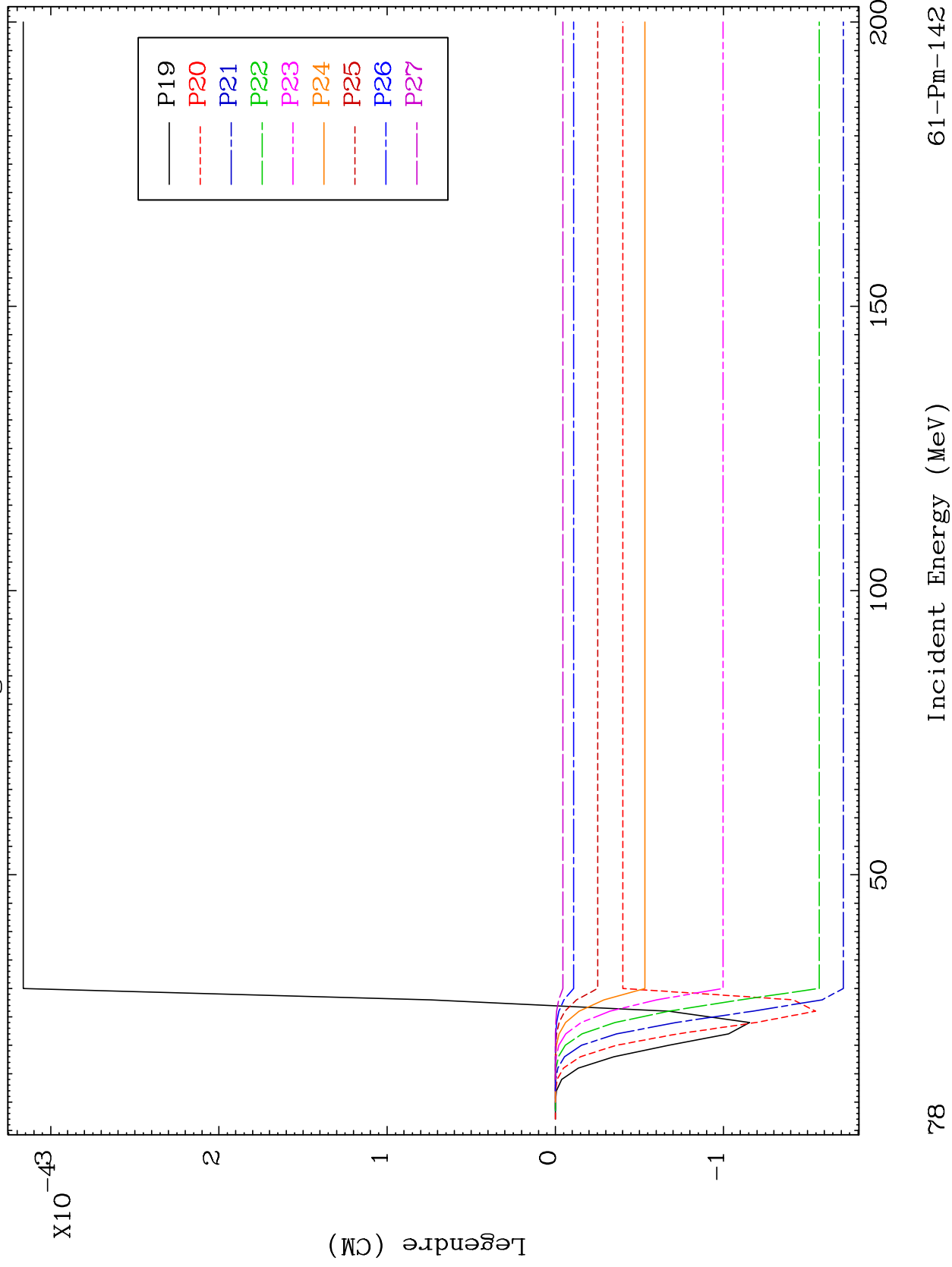
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



78

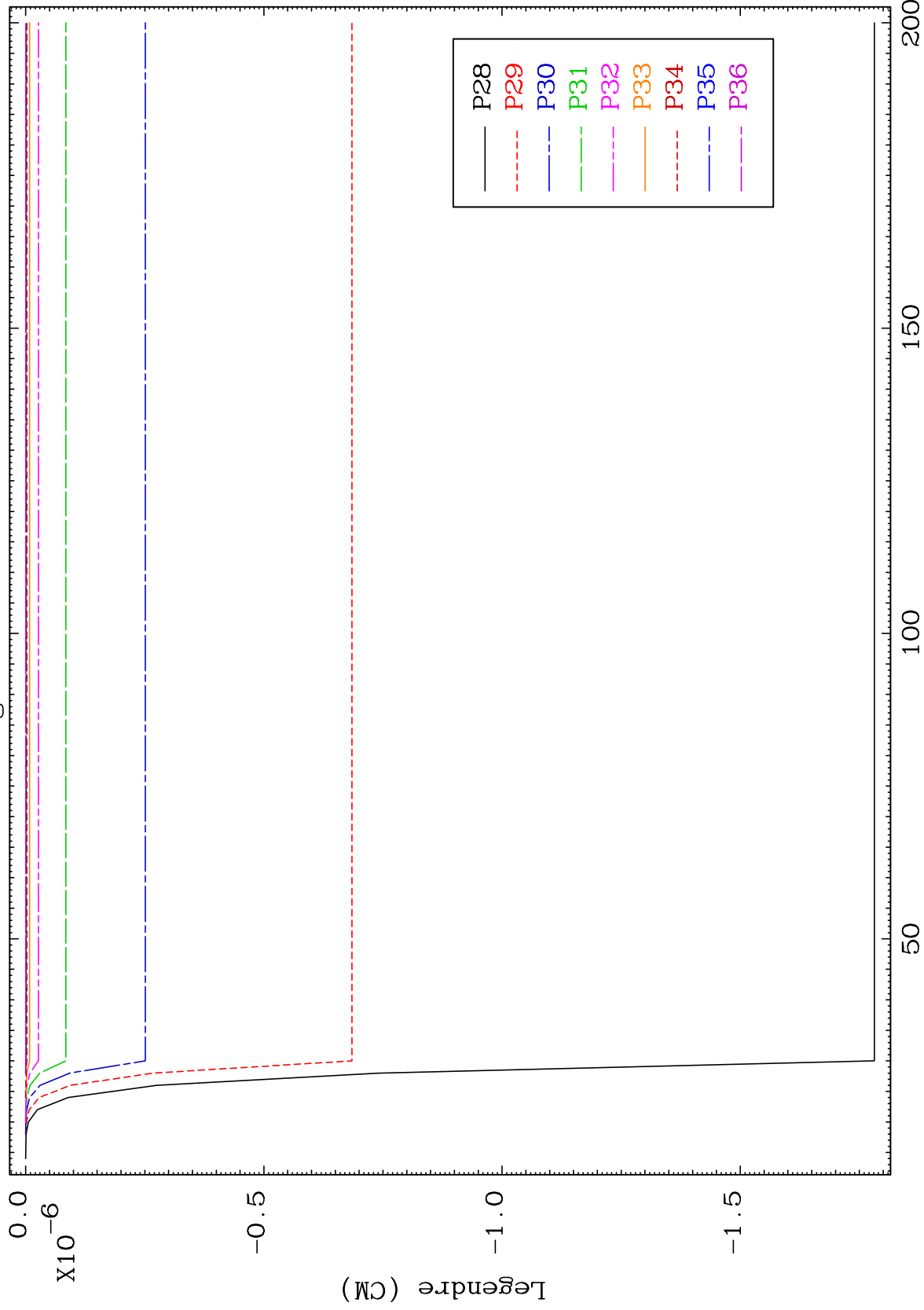
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

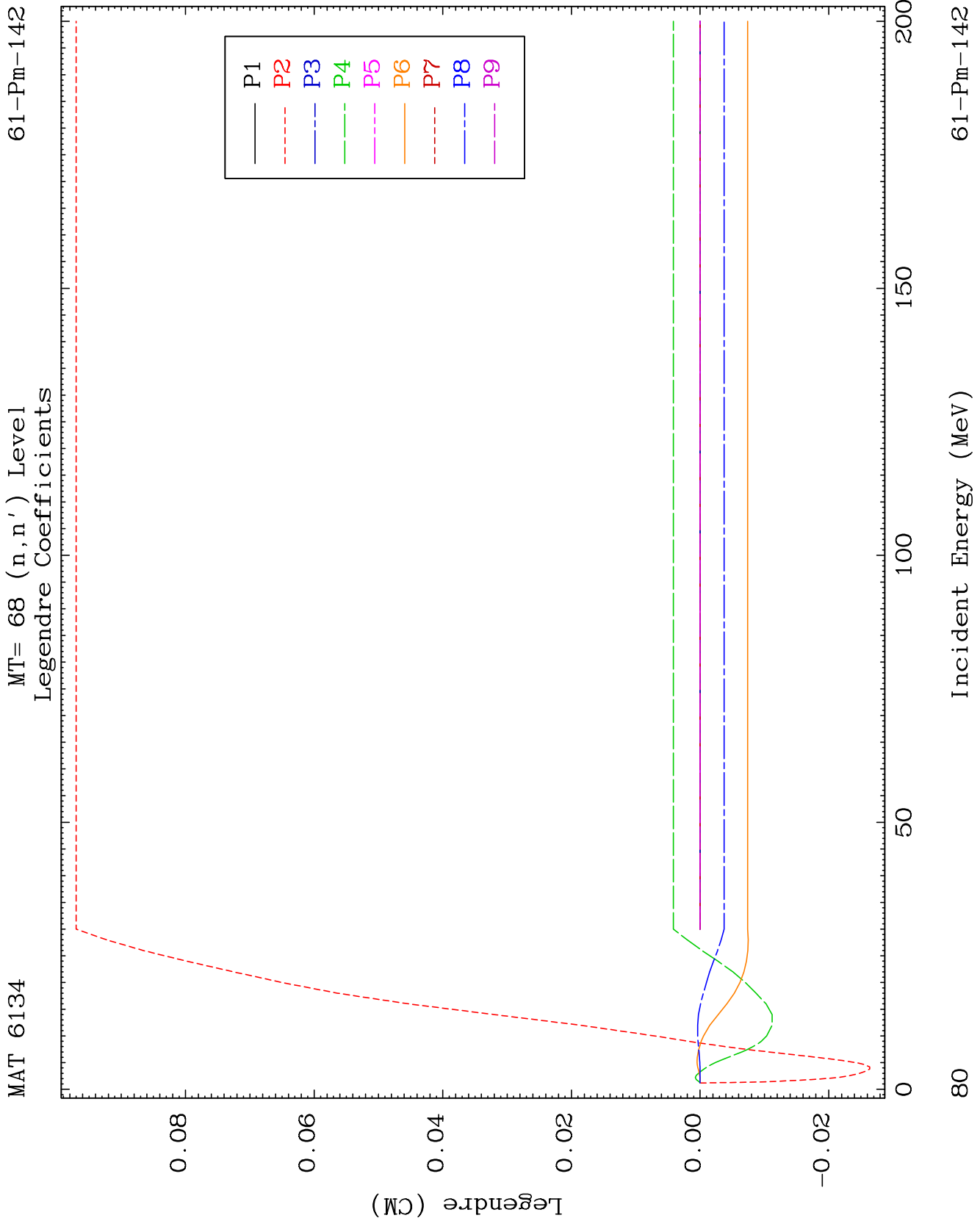
61-Pm-142



79

Incident Energy (MeV)

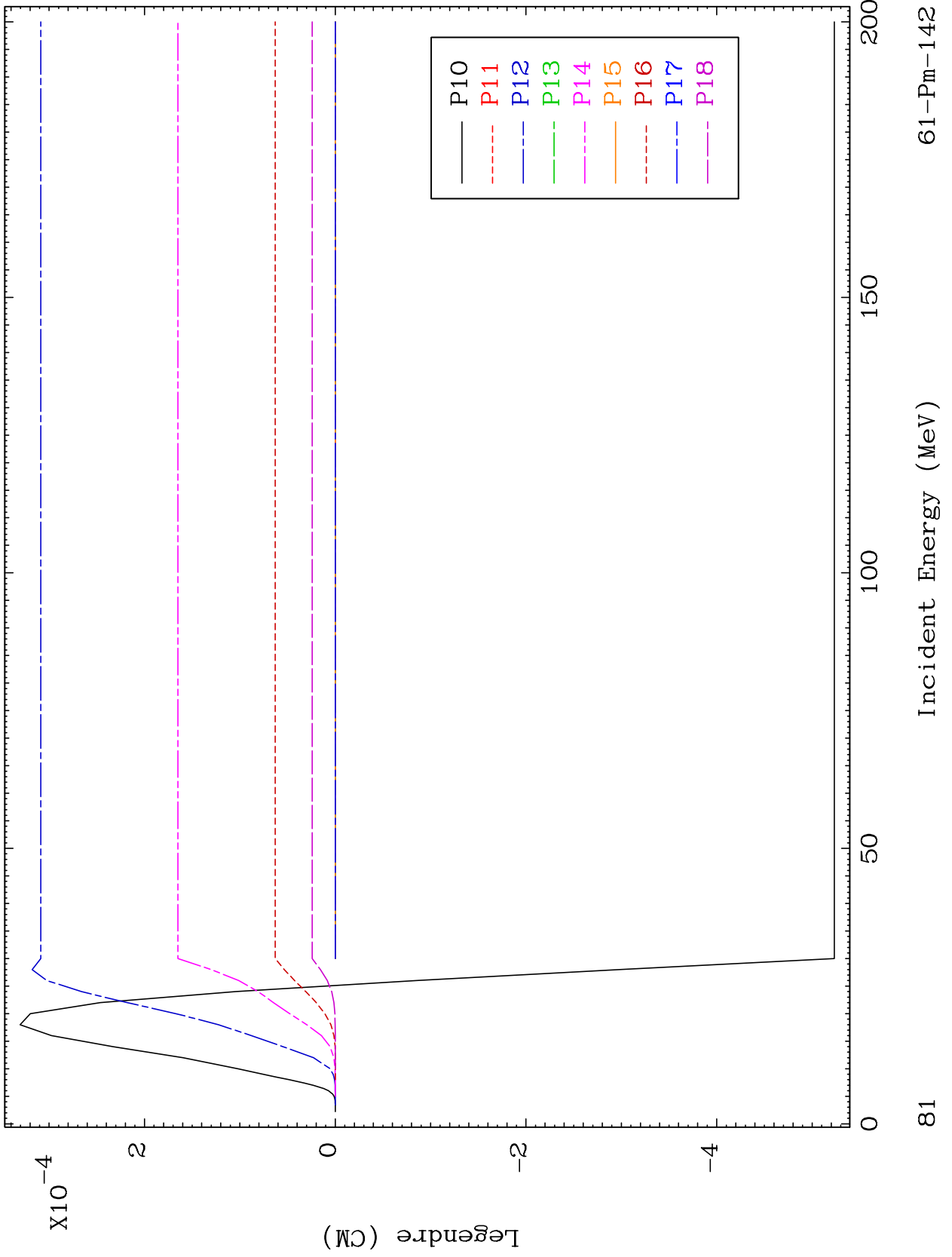
61-Pm-142



MAT 6134

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

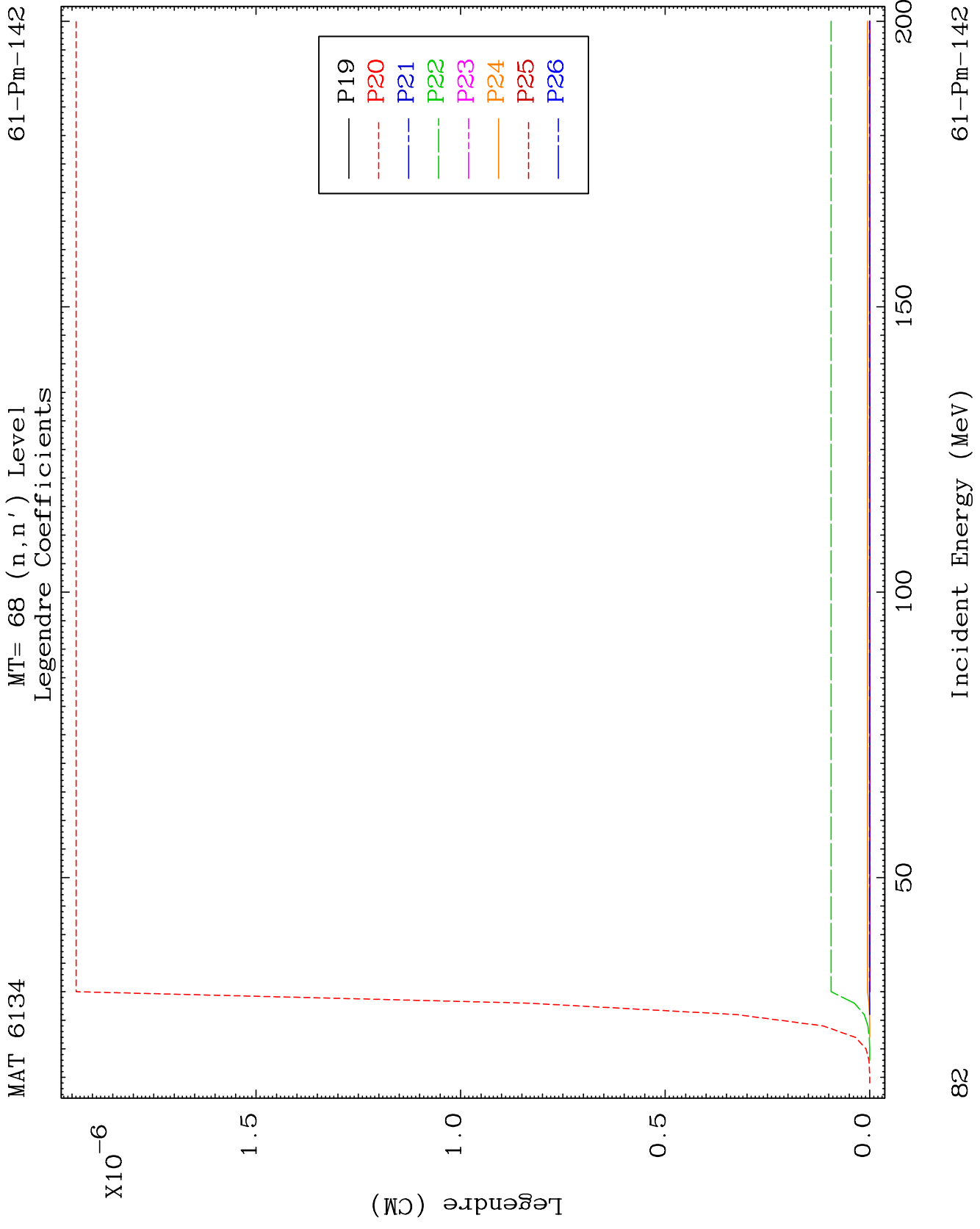
61-Pm-142



81

Incident Energy (MeV)

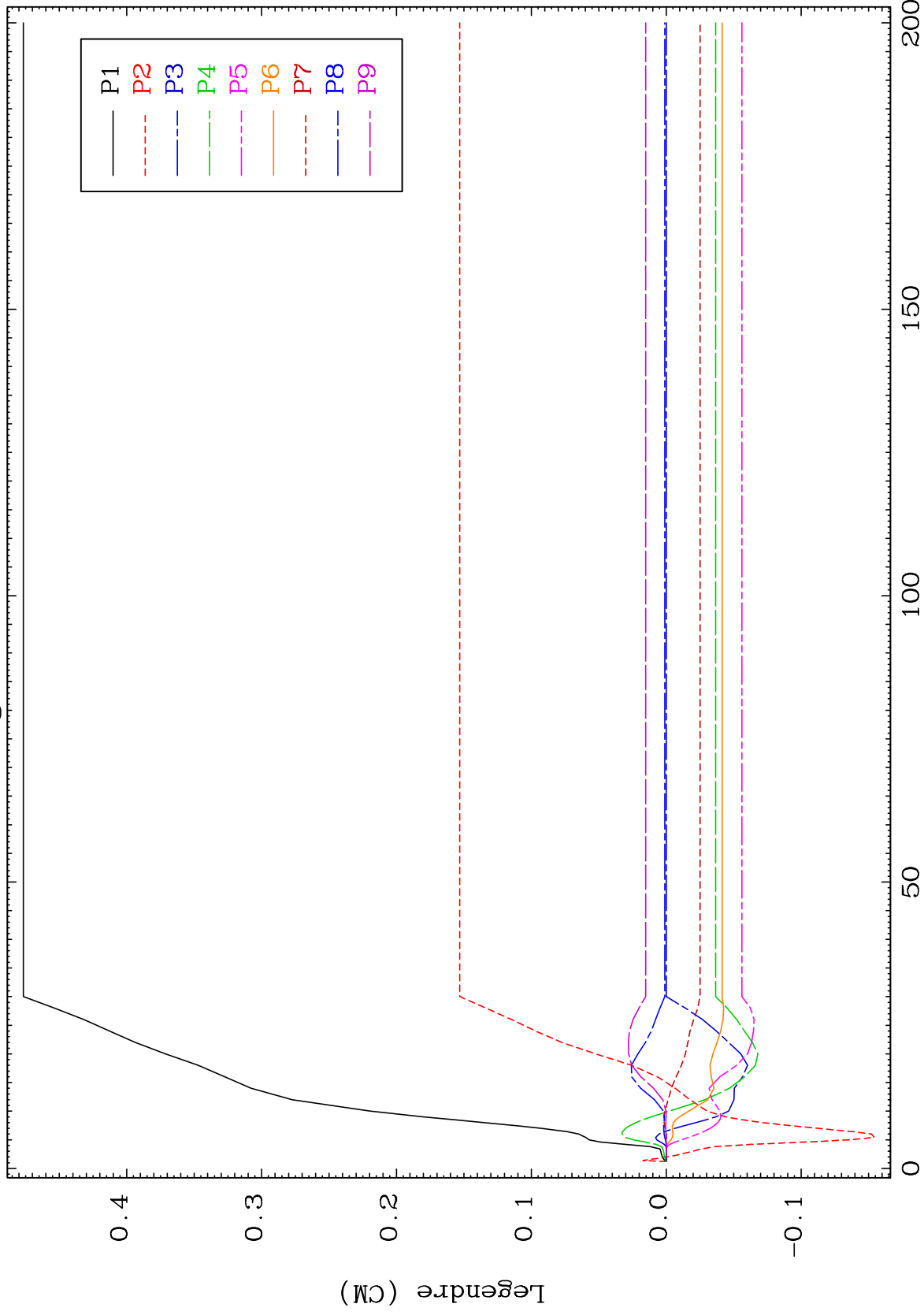
61-Pm-142



MAT 6134

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

61-Pm-142



83

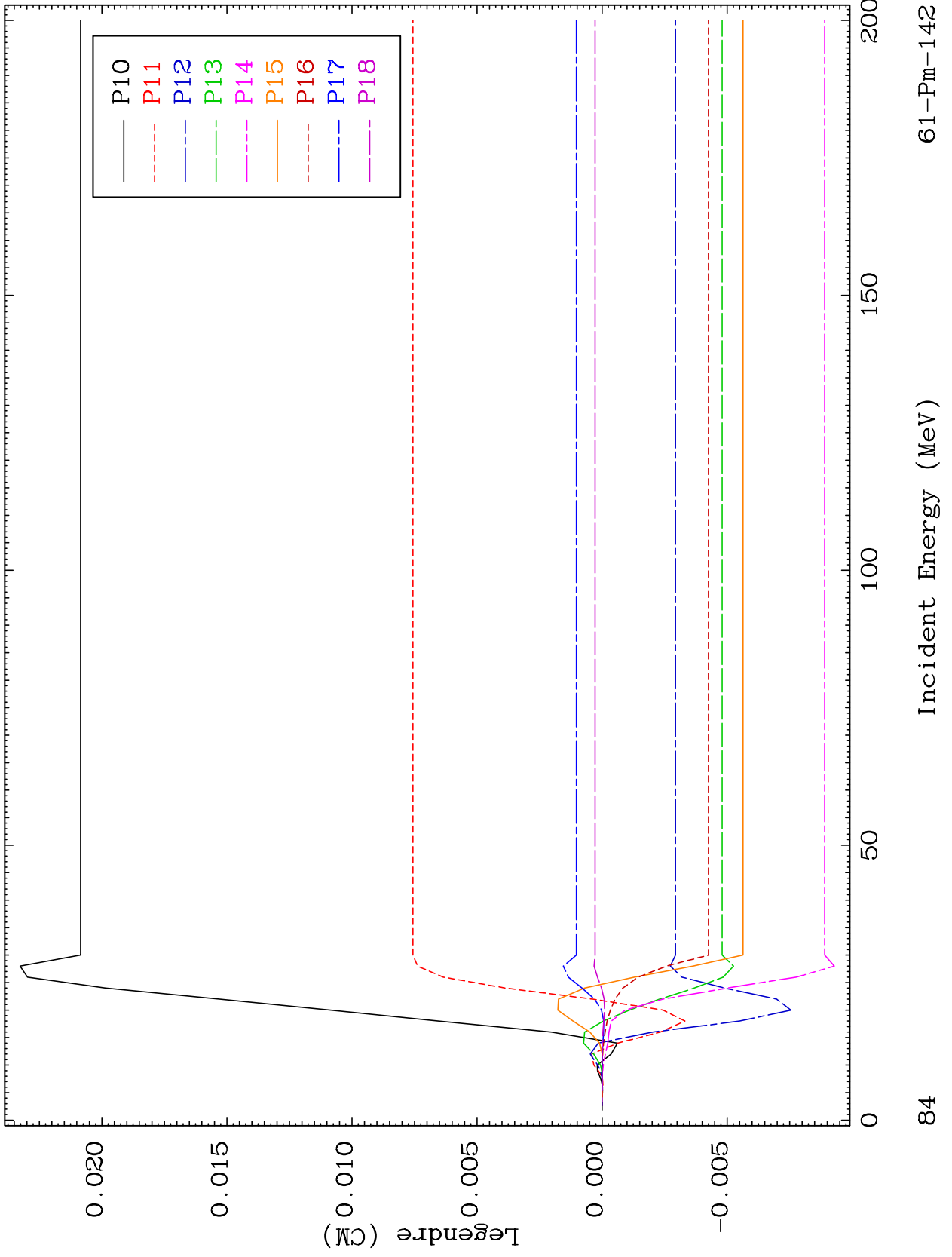
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



84

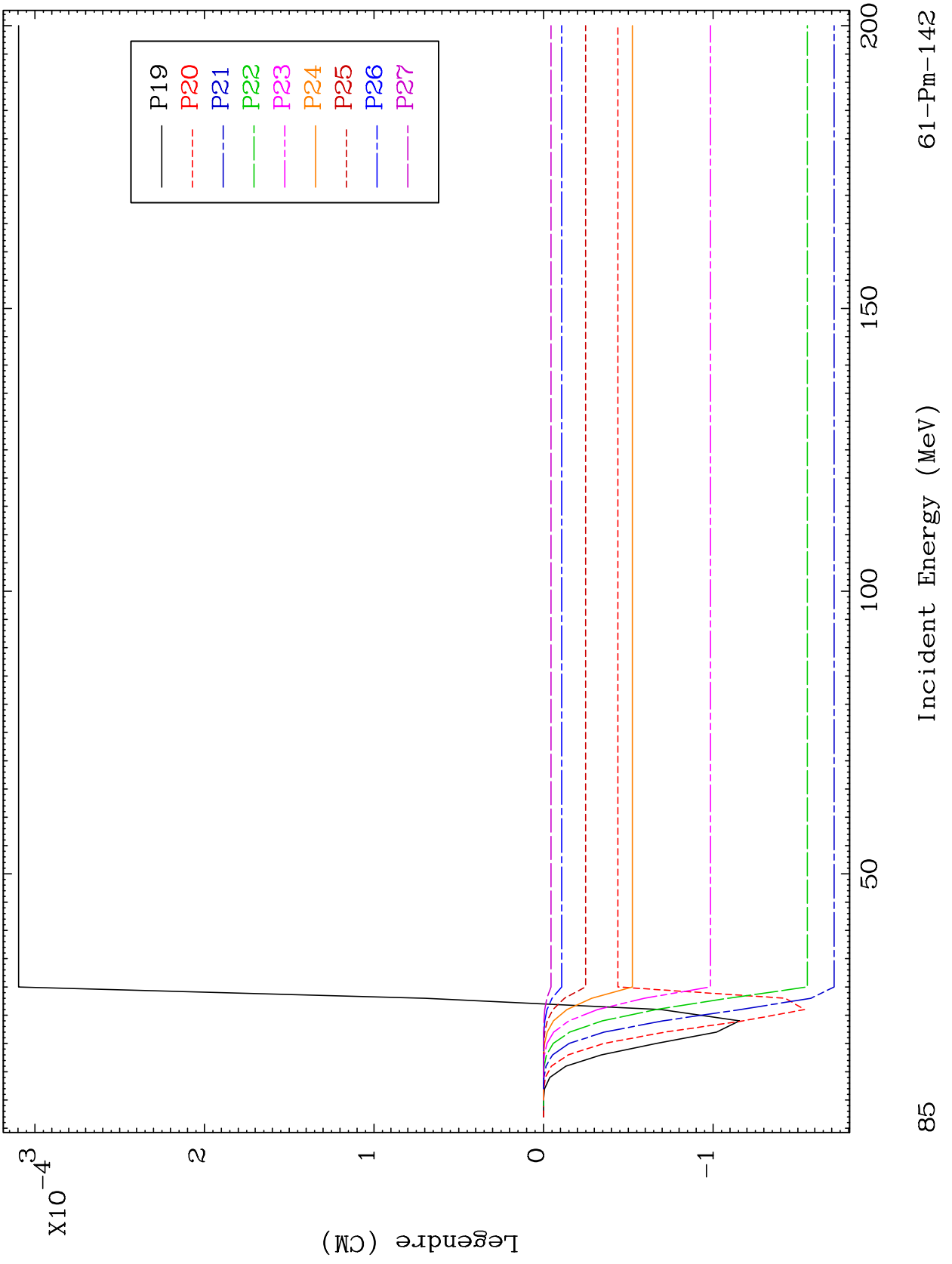
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142

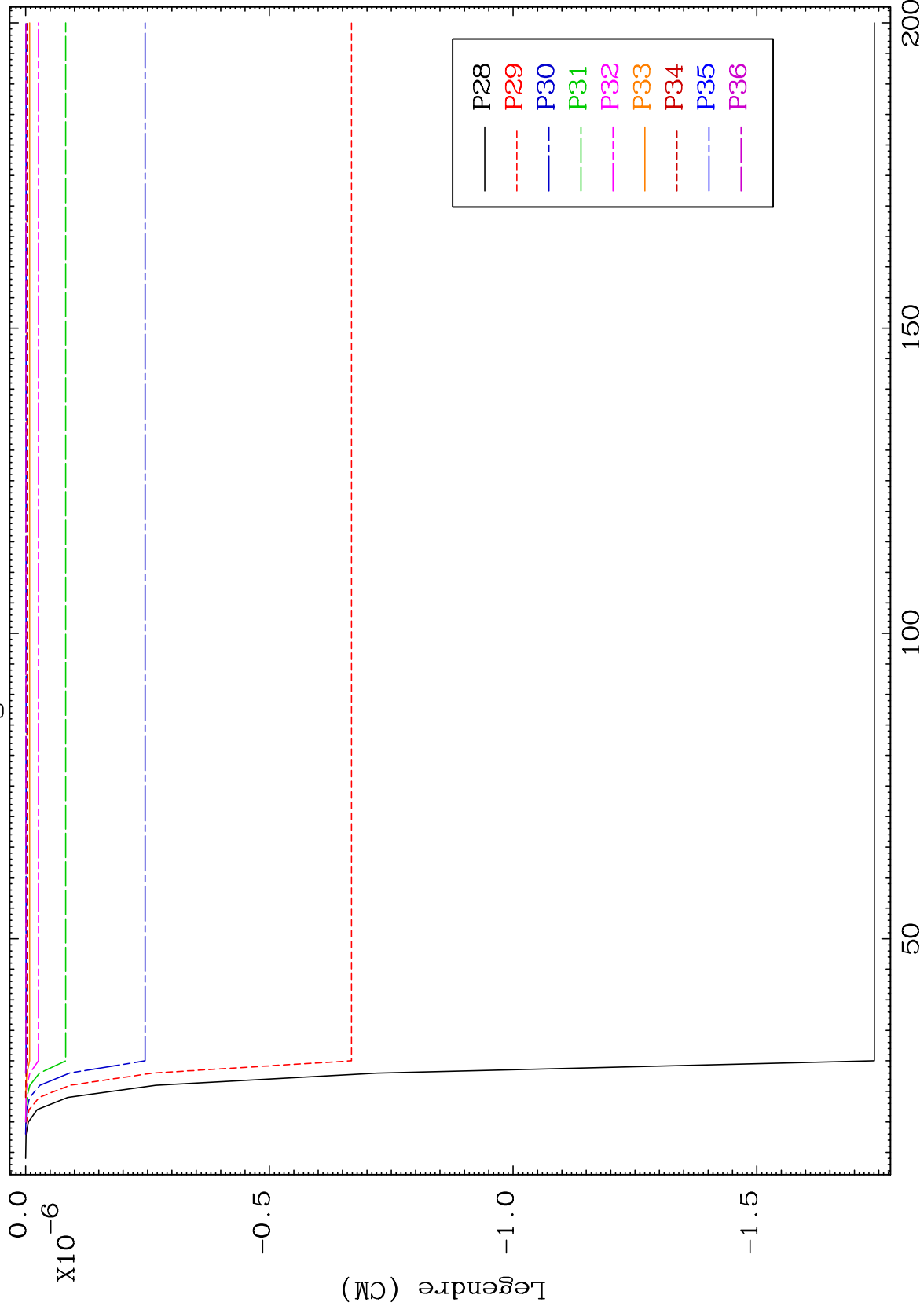


MAT 6134

MT= 69 (n,n') Level

61-Pm-142

Legendre Coefficients



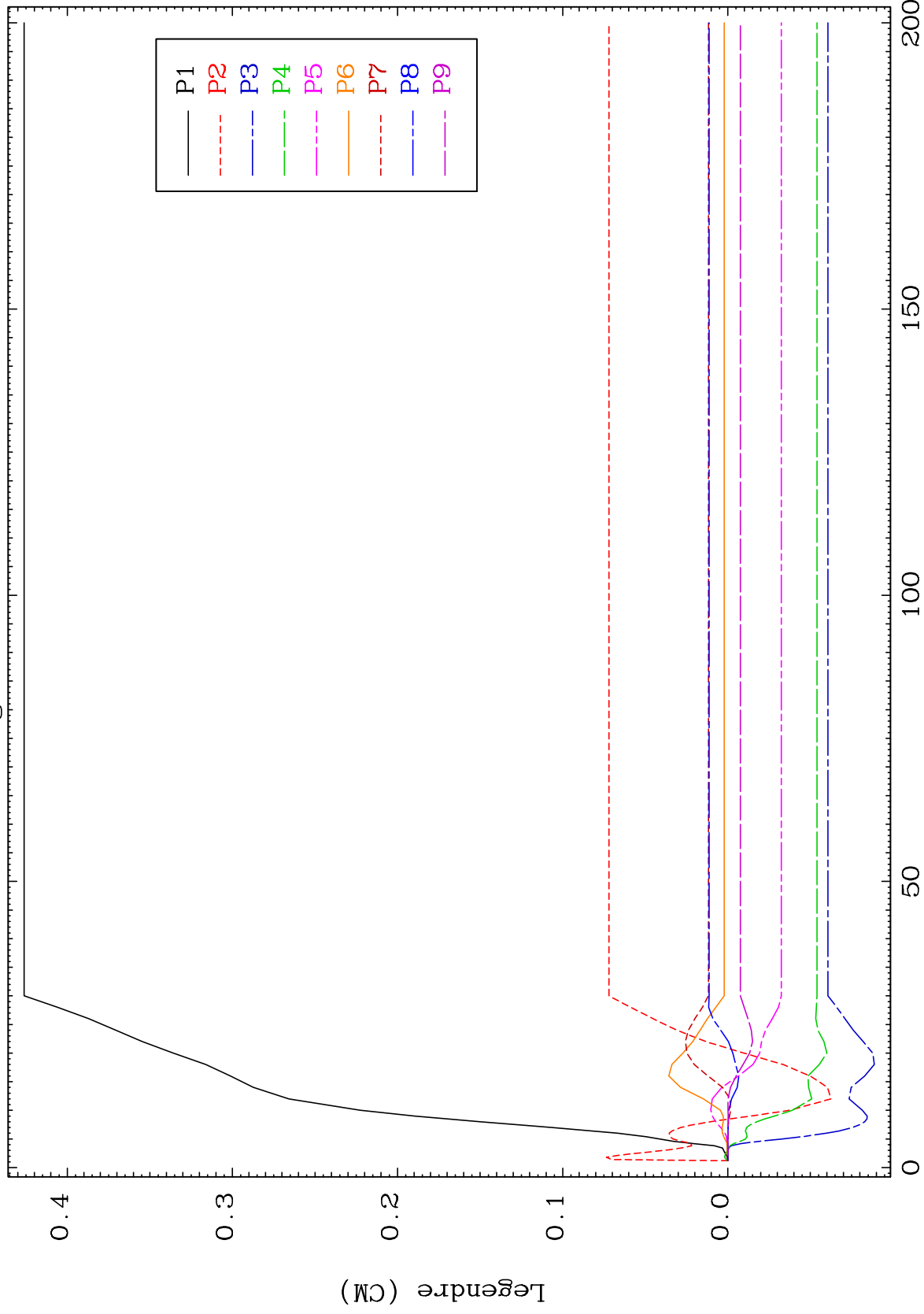
86

61-Pm-142

MAT 6134

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

61-Pm-142



87

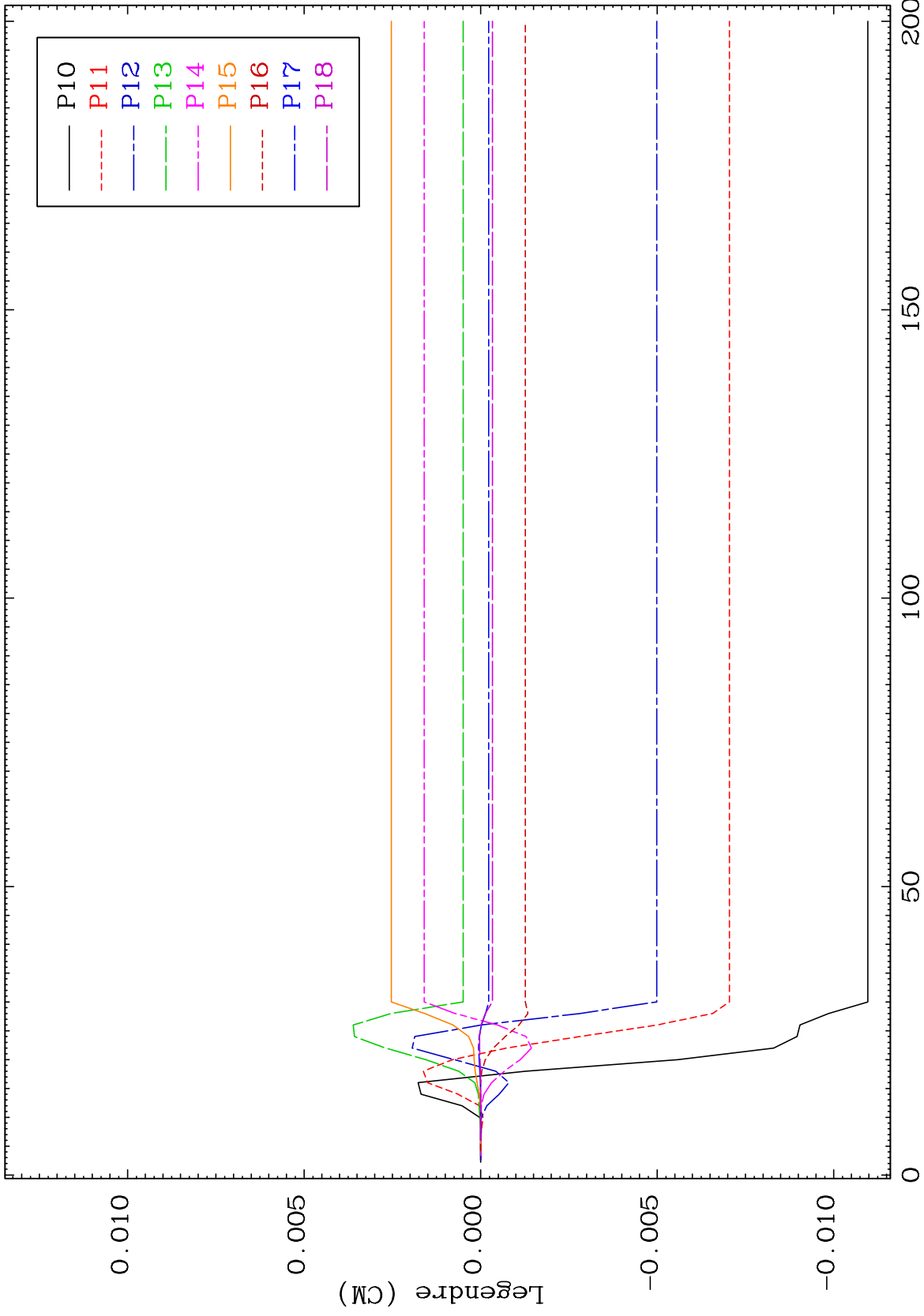
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



88

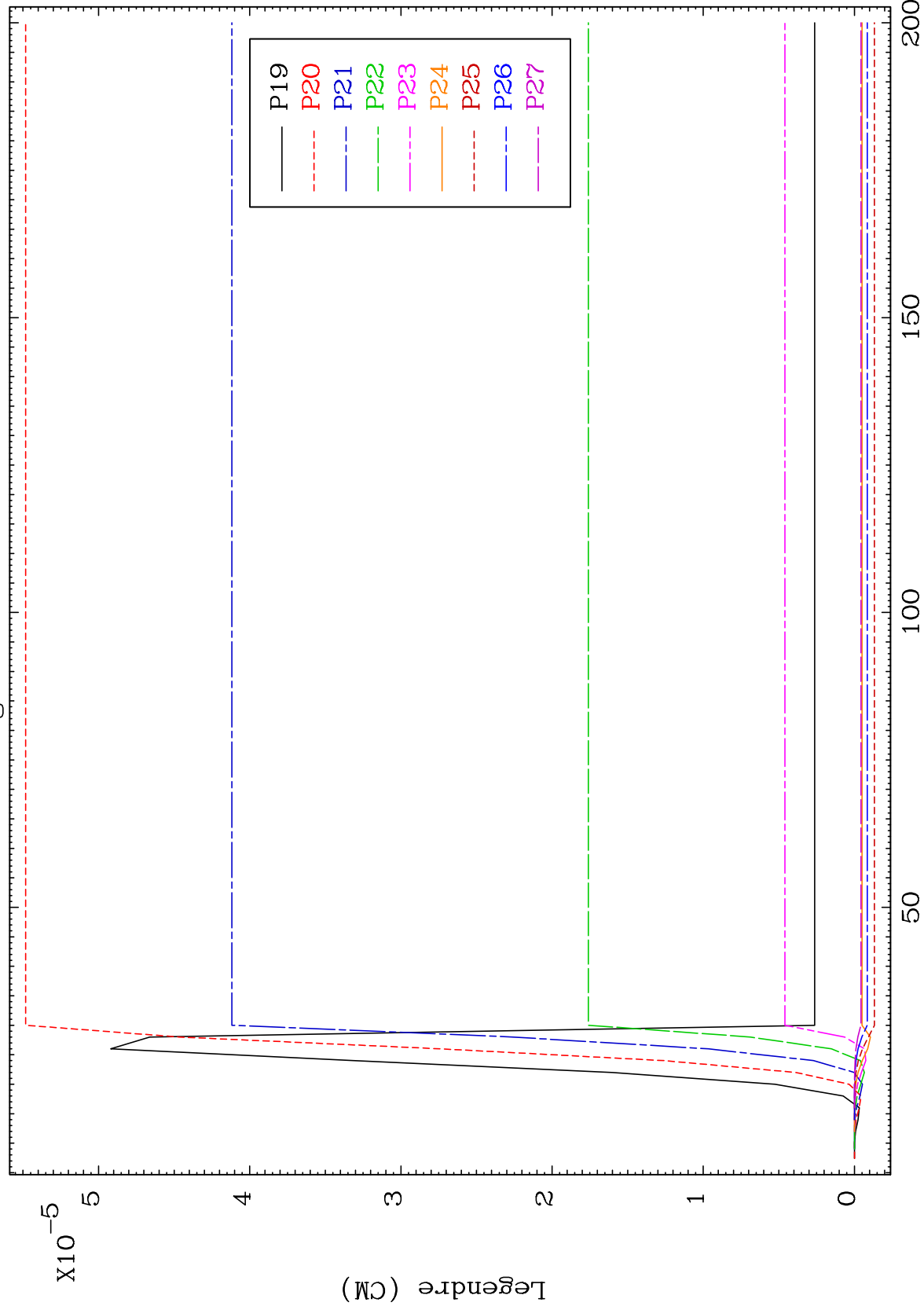
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142



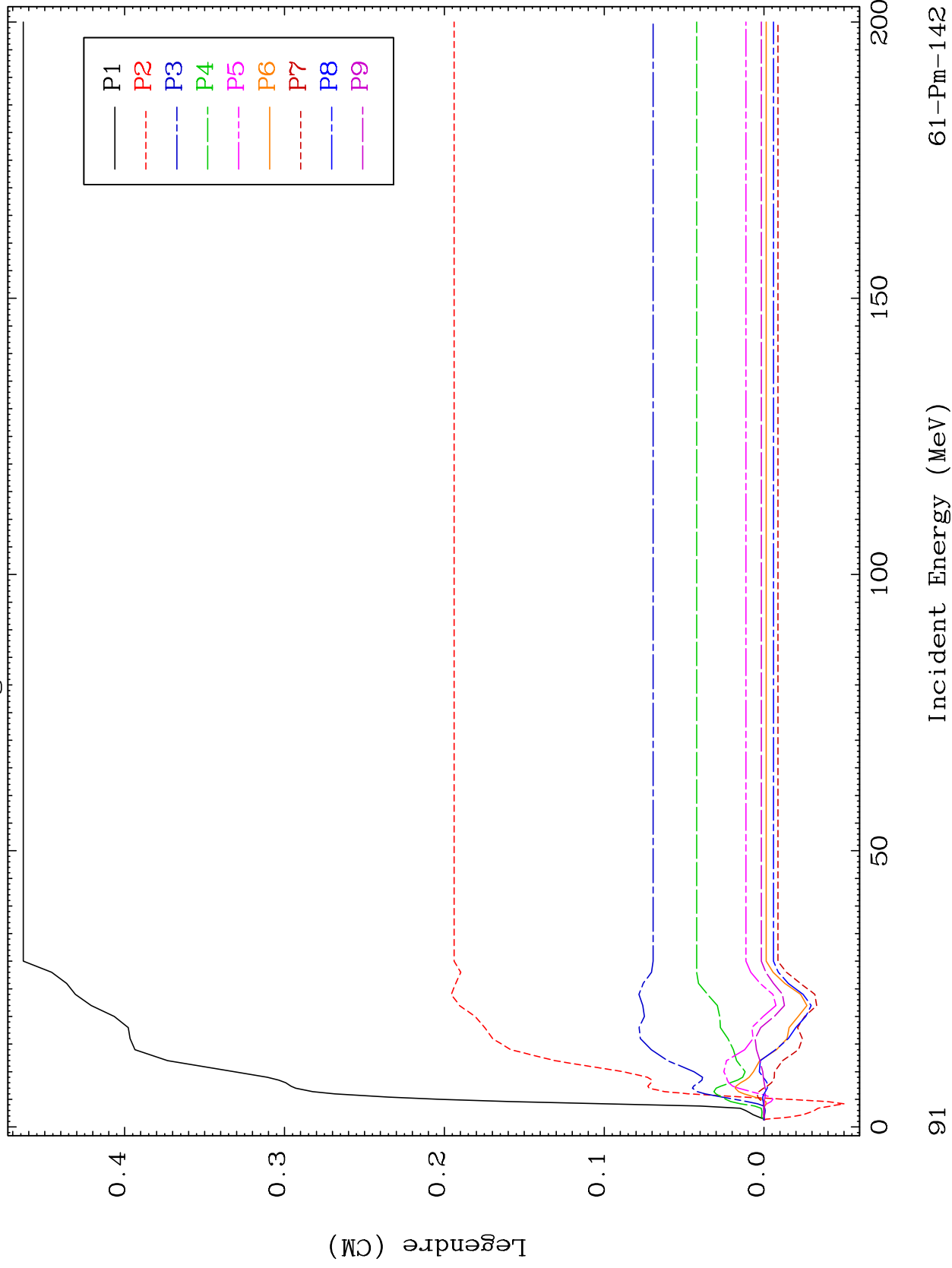
89

61-Pm-142

MAT 6134

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

61-Pm-142



61-Pm-142

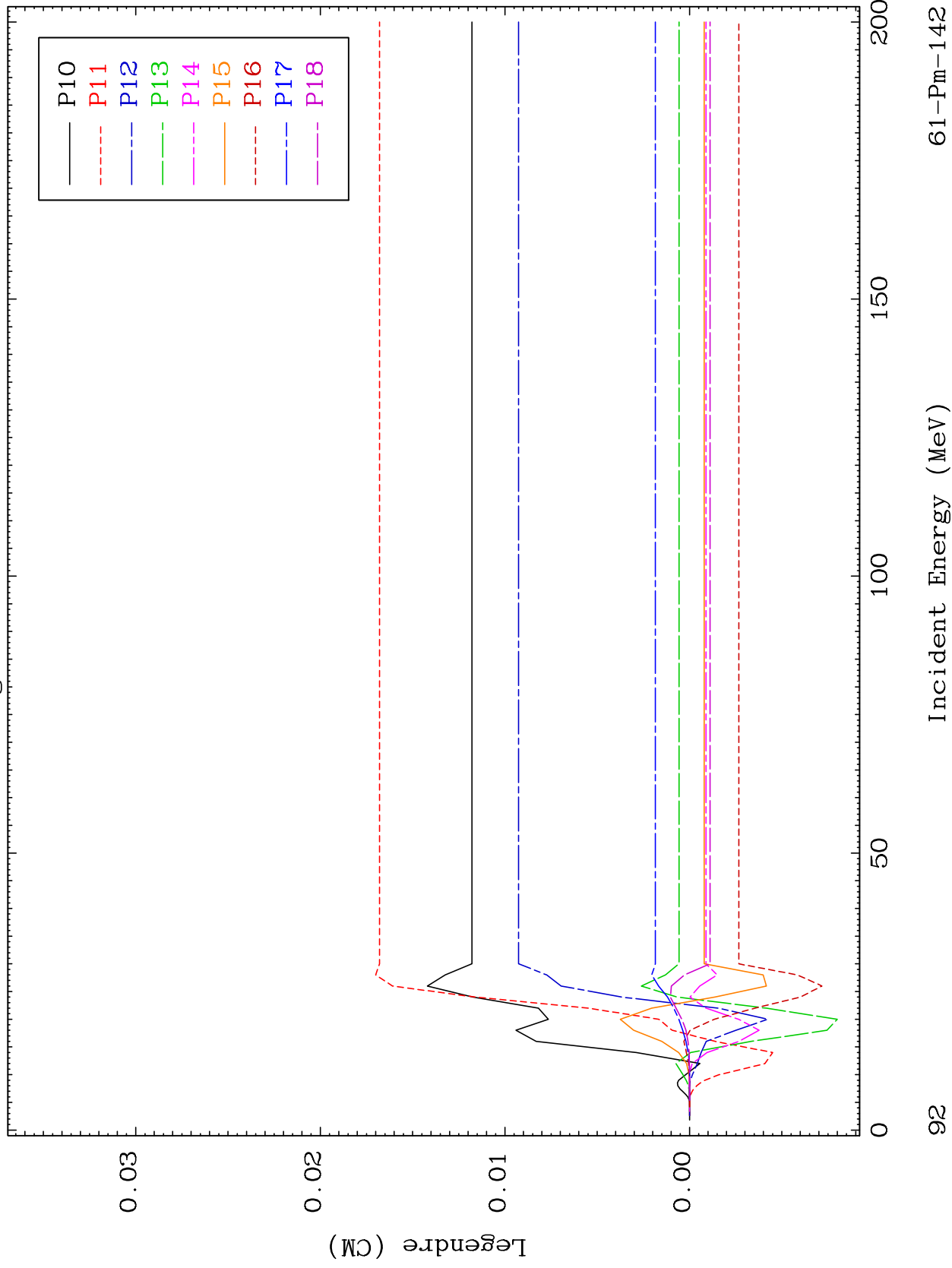
Incident Energy (MeV)

91

MAT 6134

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

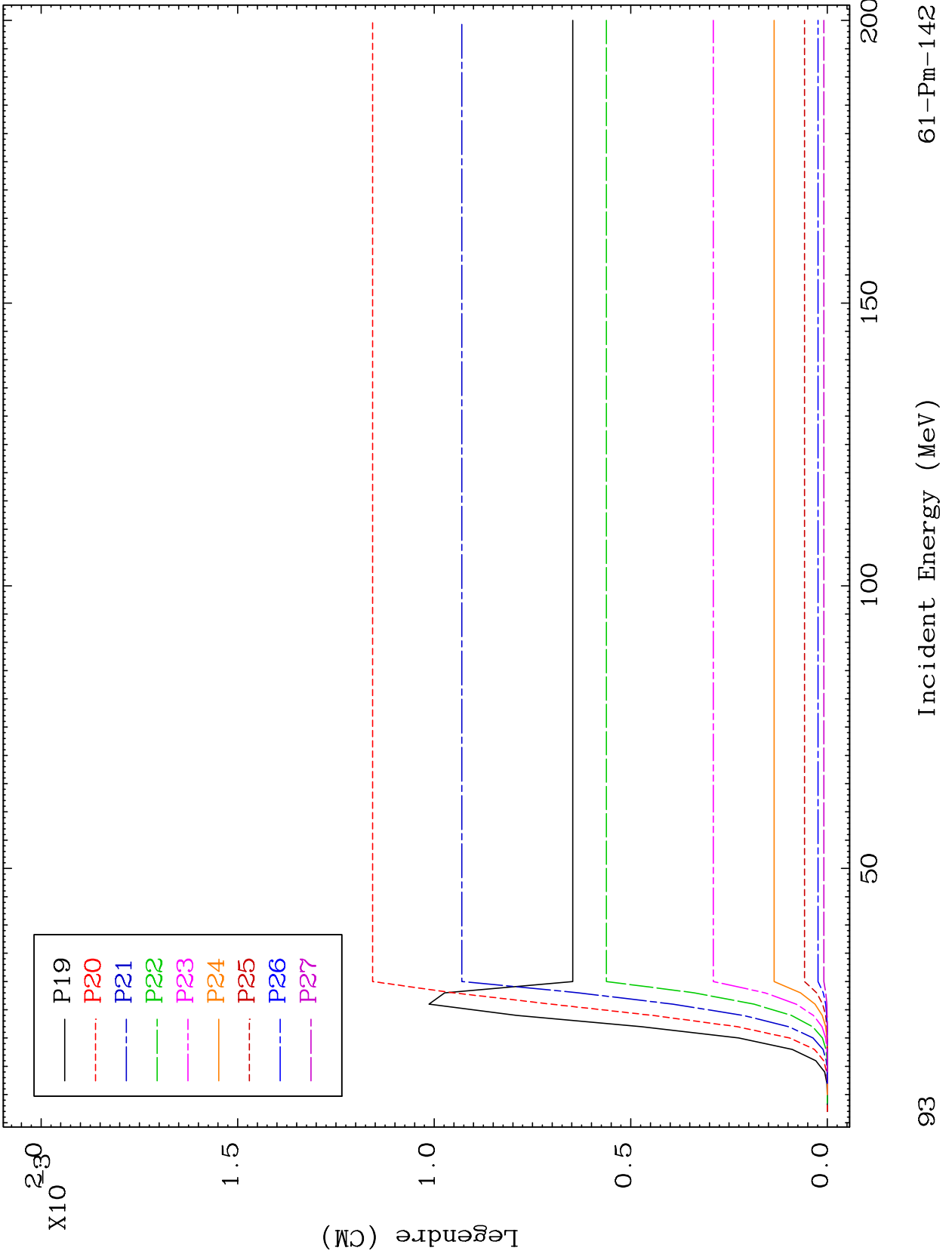
61-Pm-142



61-Pm-142

Incident Energy (MeV)

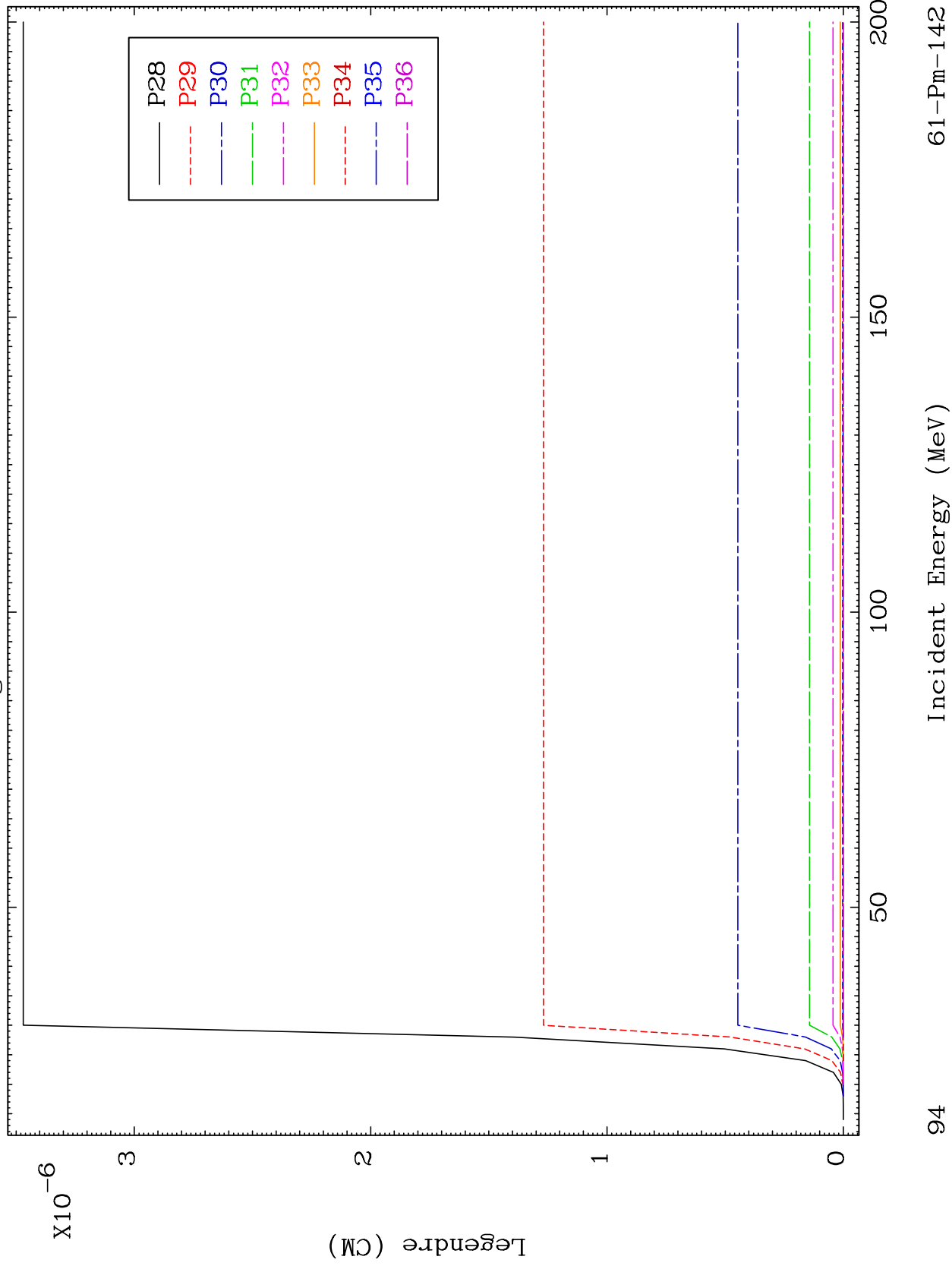
92



MAT 6134

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

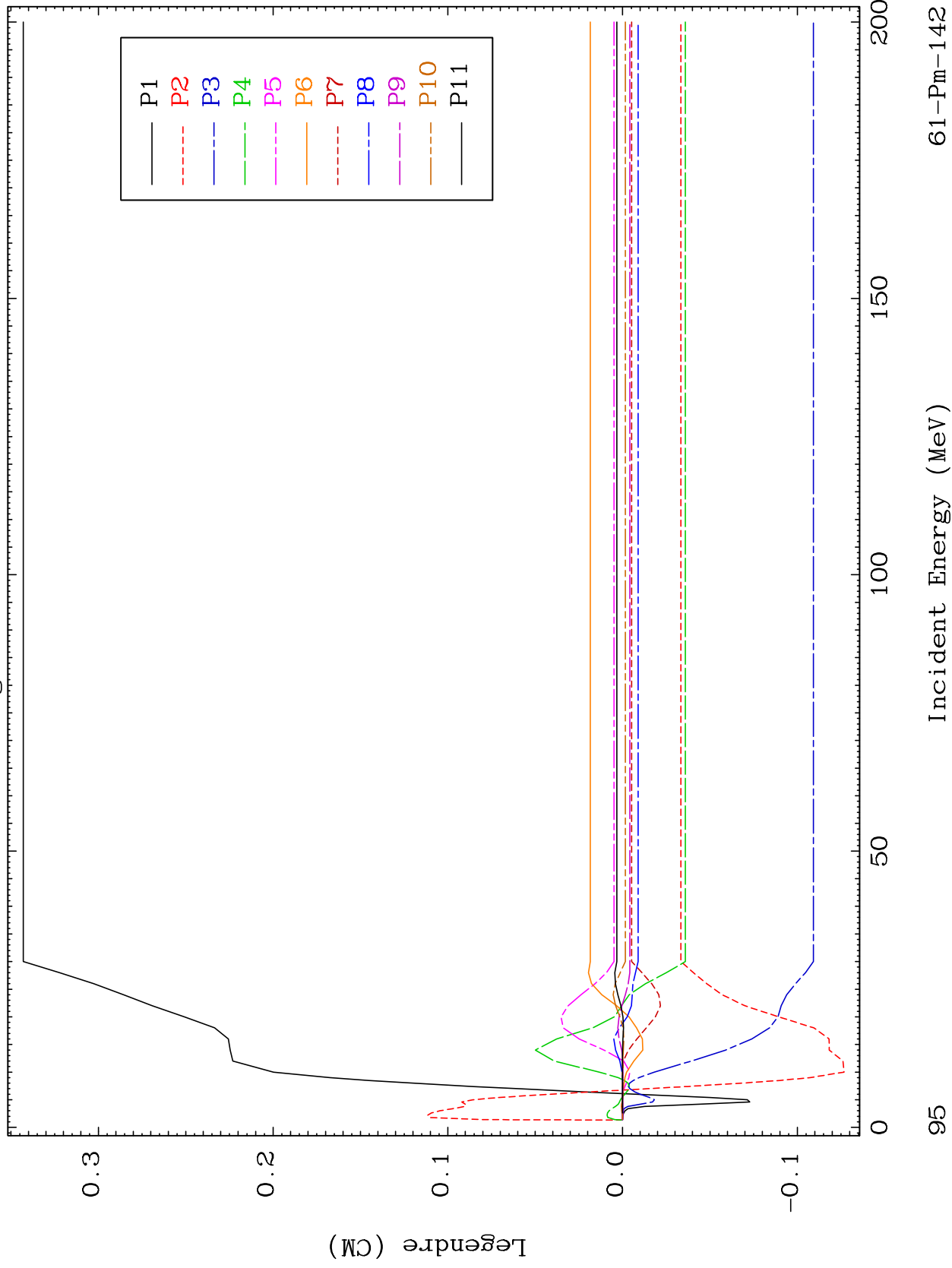
61-Pm-142



MAT 6134

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

61-Pm-142



61-Pm-142

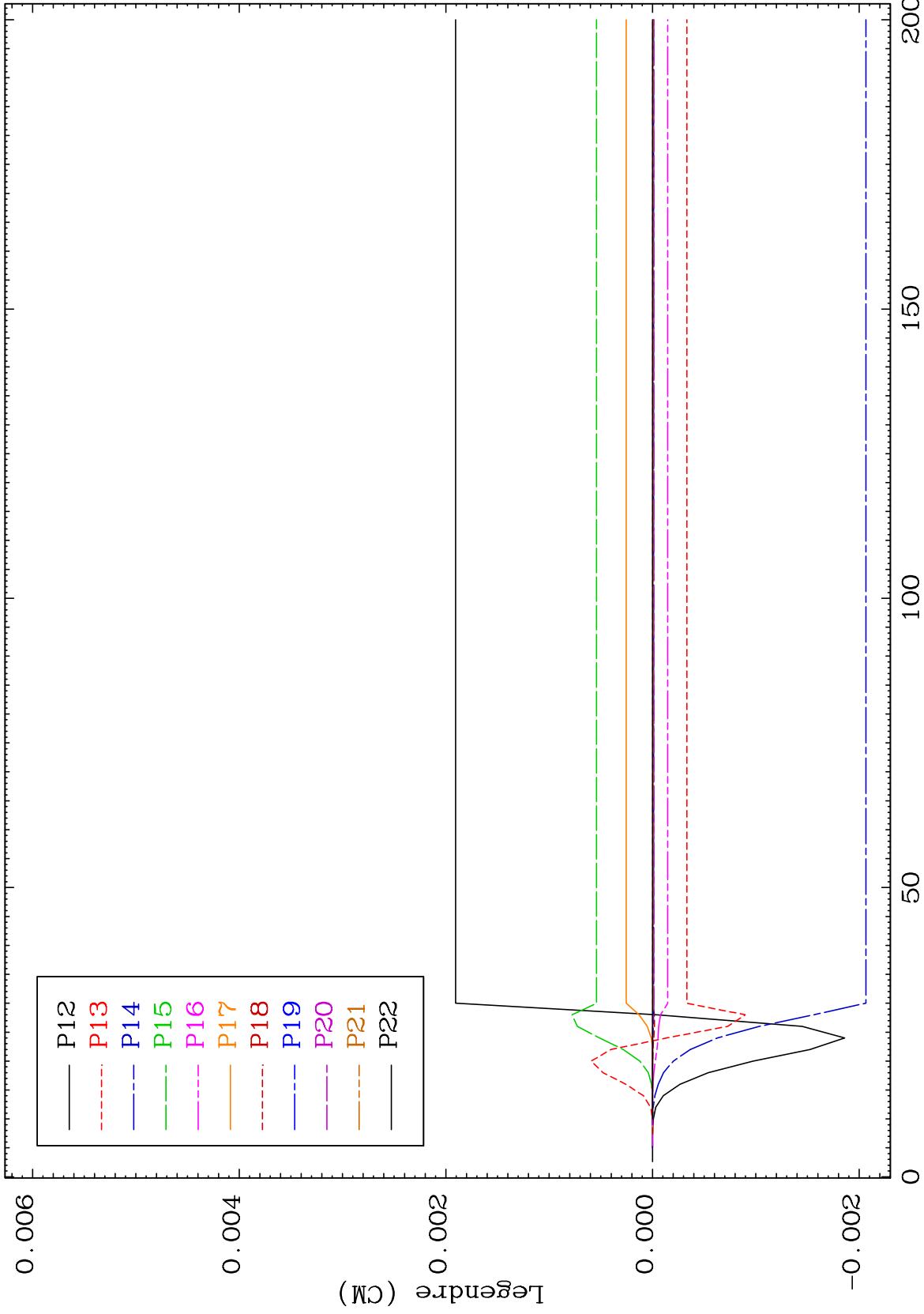
Incident Energy (MeV)

95

MAT 6134

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

61-Pm-142



96

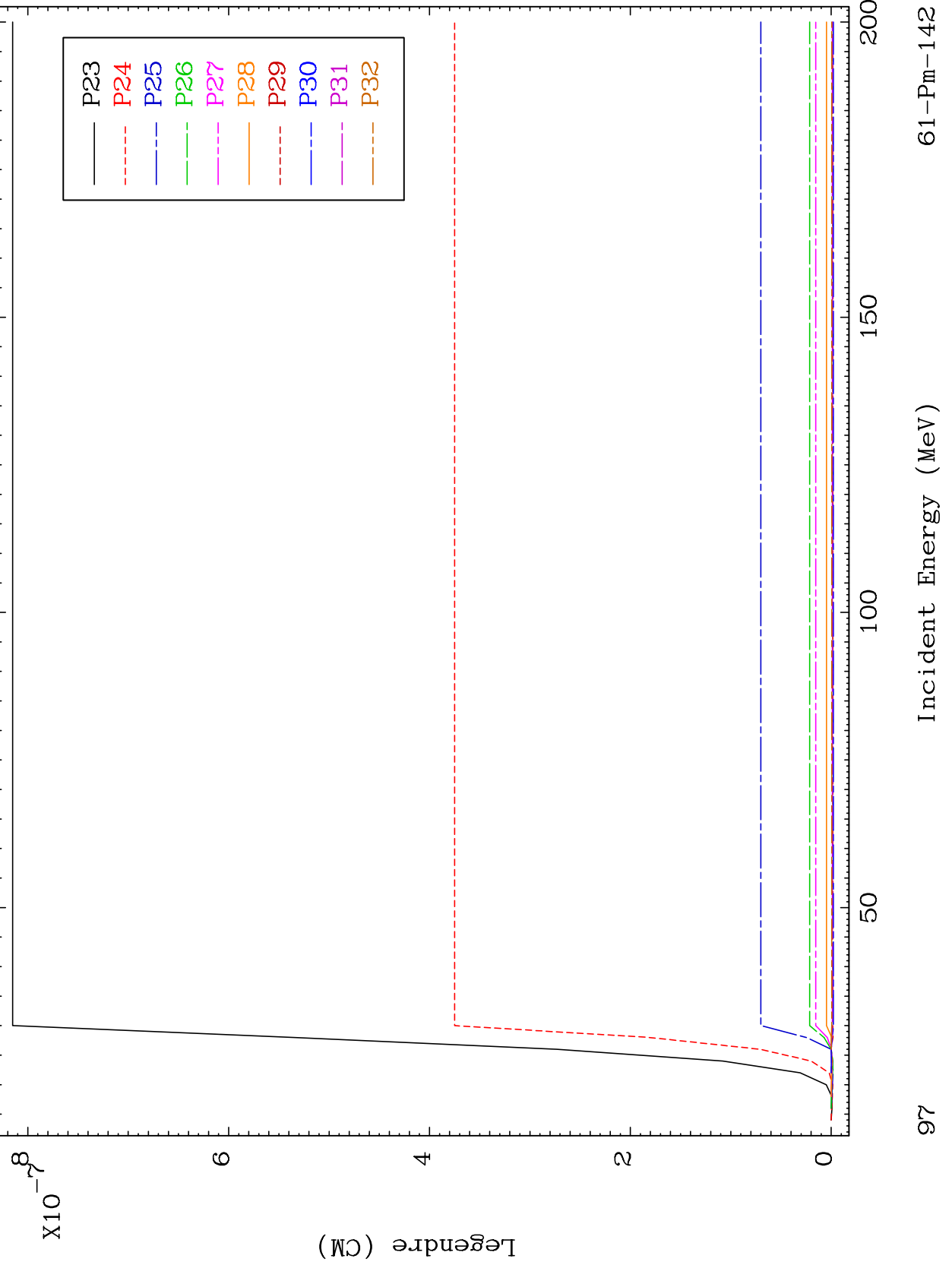
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

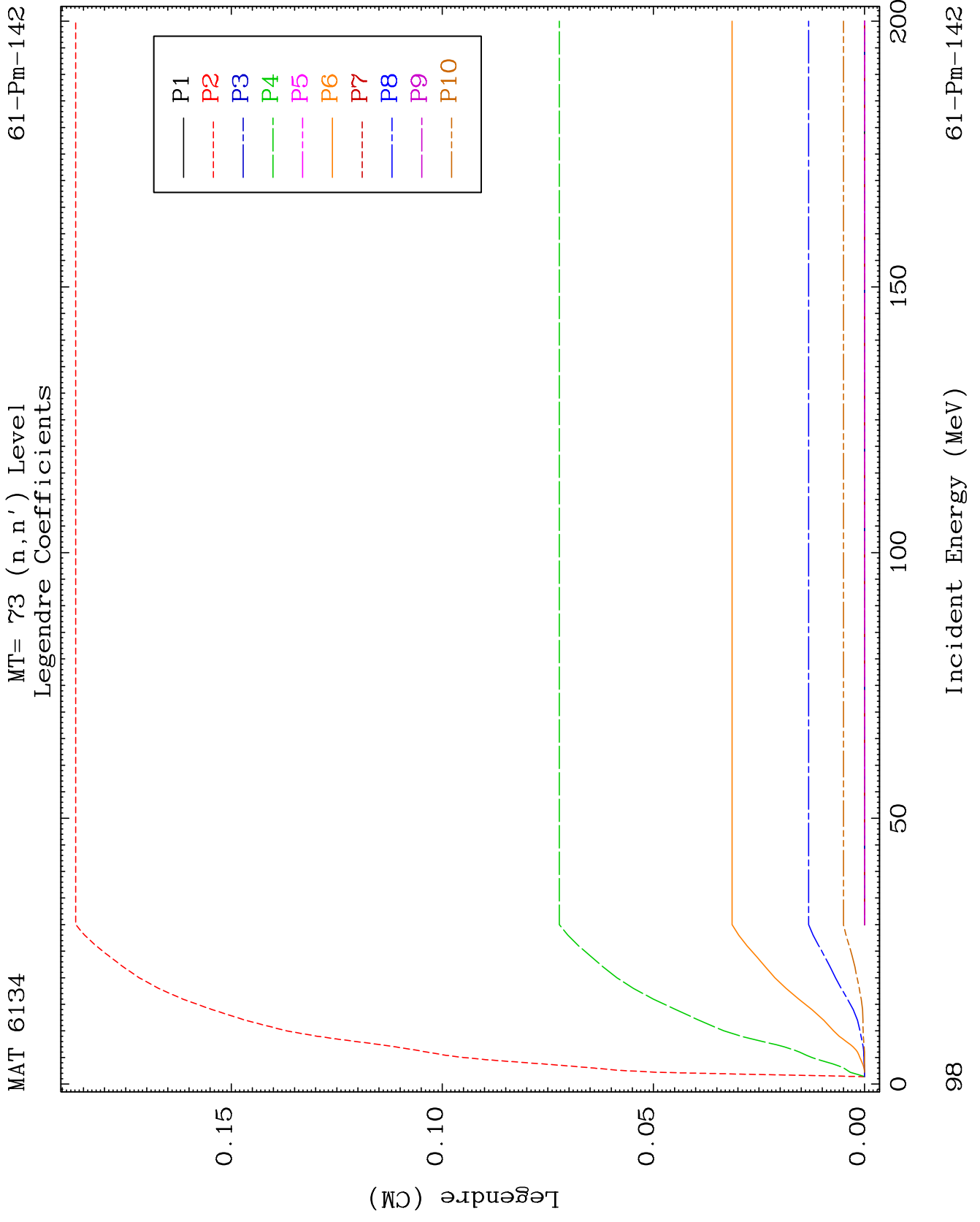
61-Pm-142



97

Incident Energy (MeV)

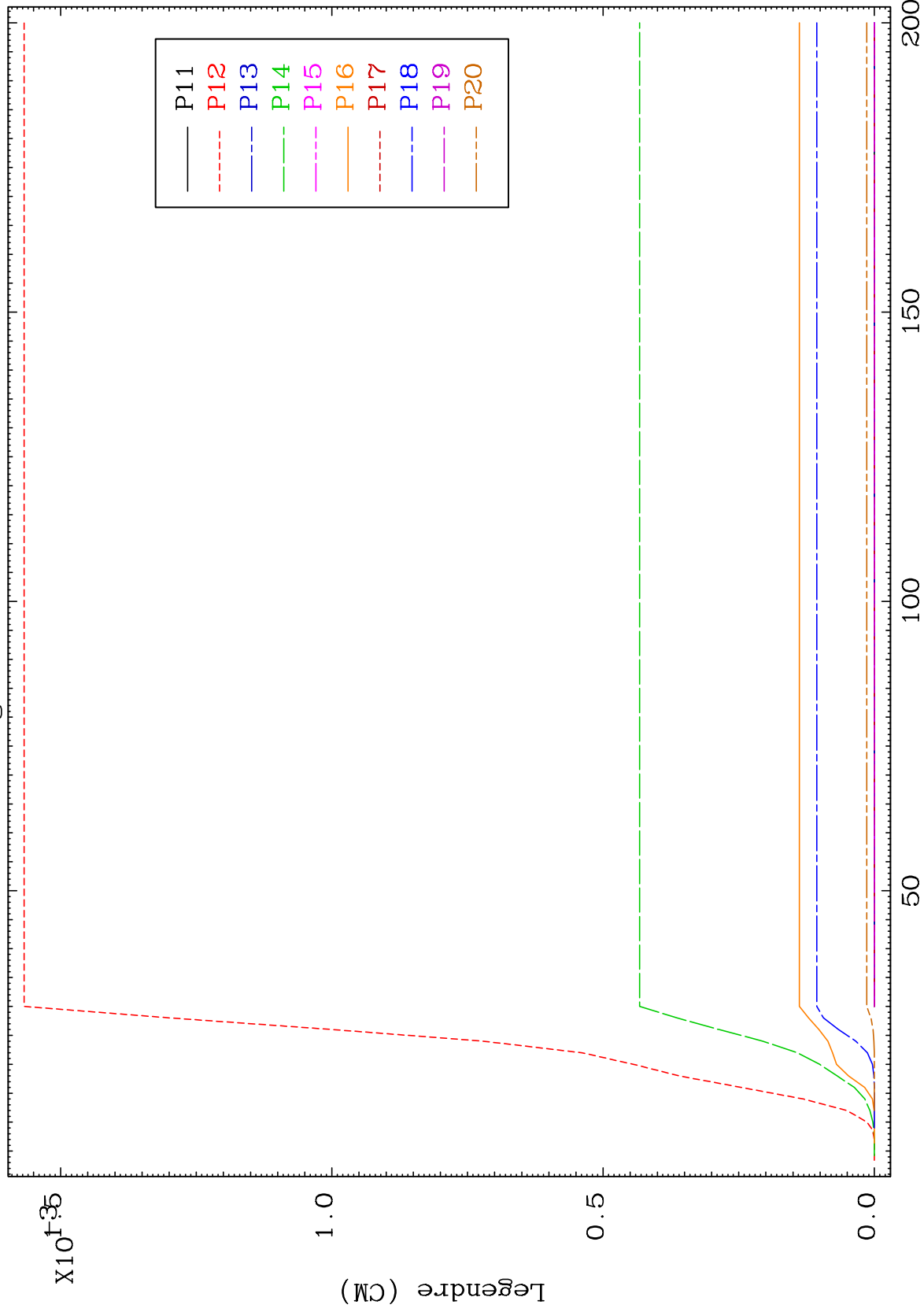
61-Pm-142



MAT 6134

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

61-Pm-142



99

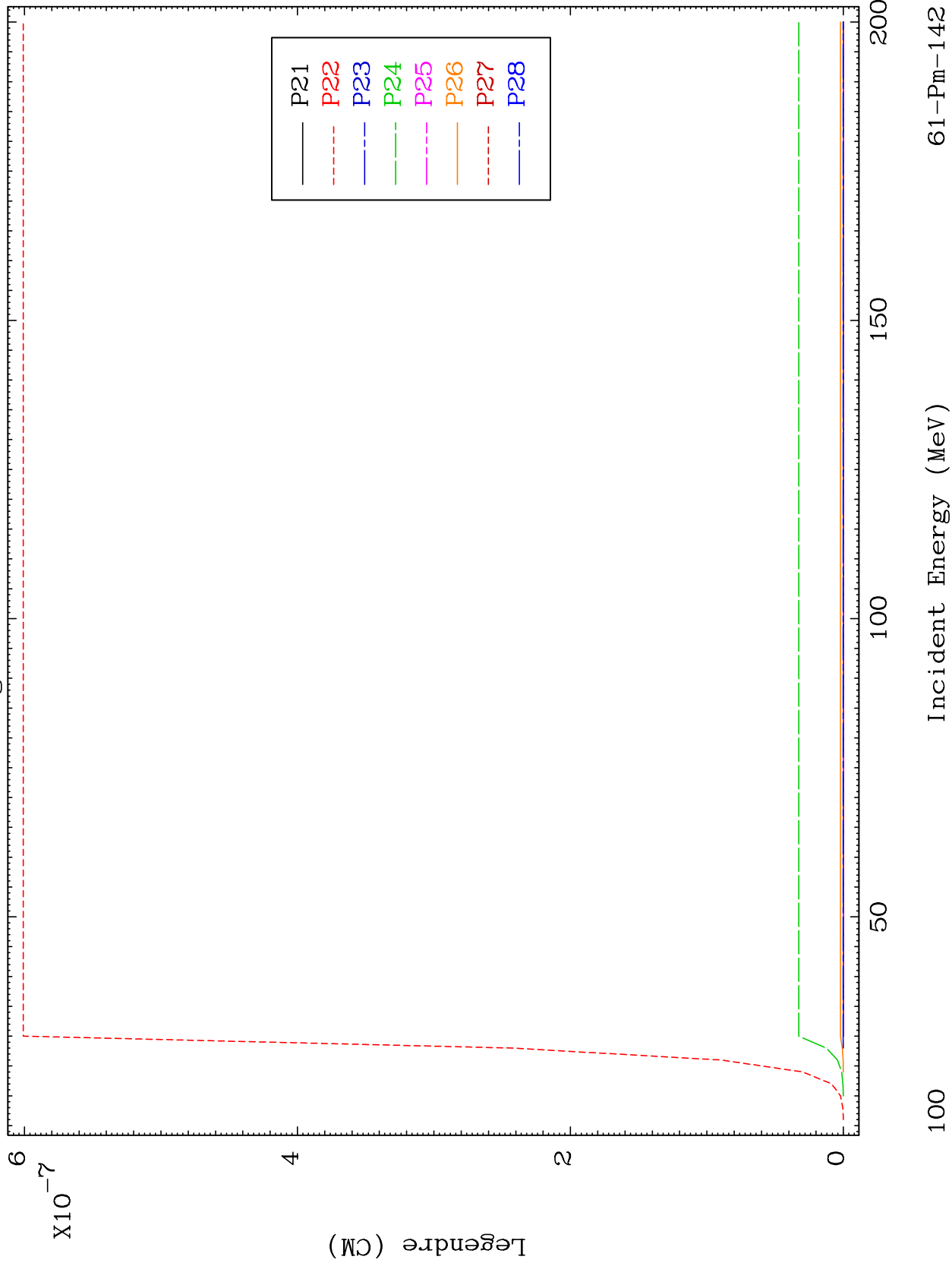
Incident Energy (MeV)

61-Pm-142

MAT 6134

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

61-Pm-142

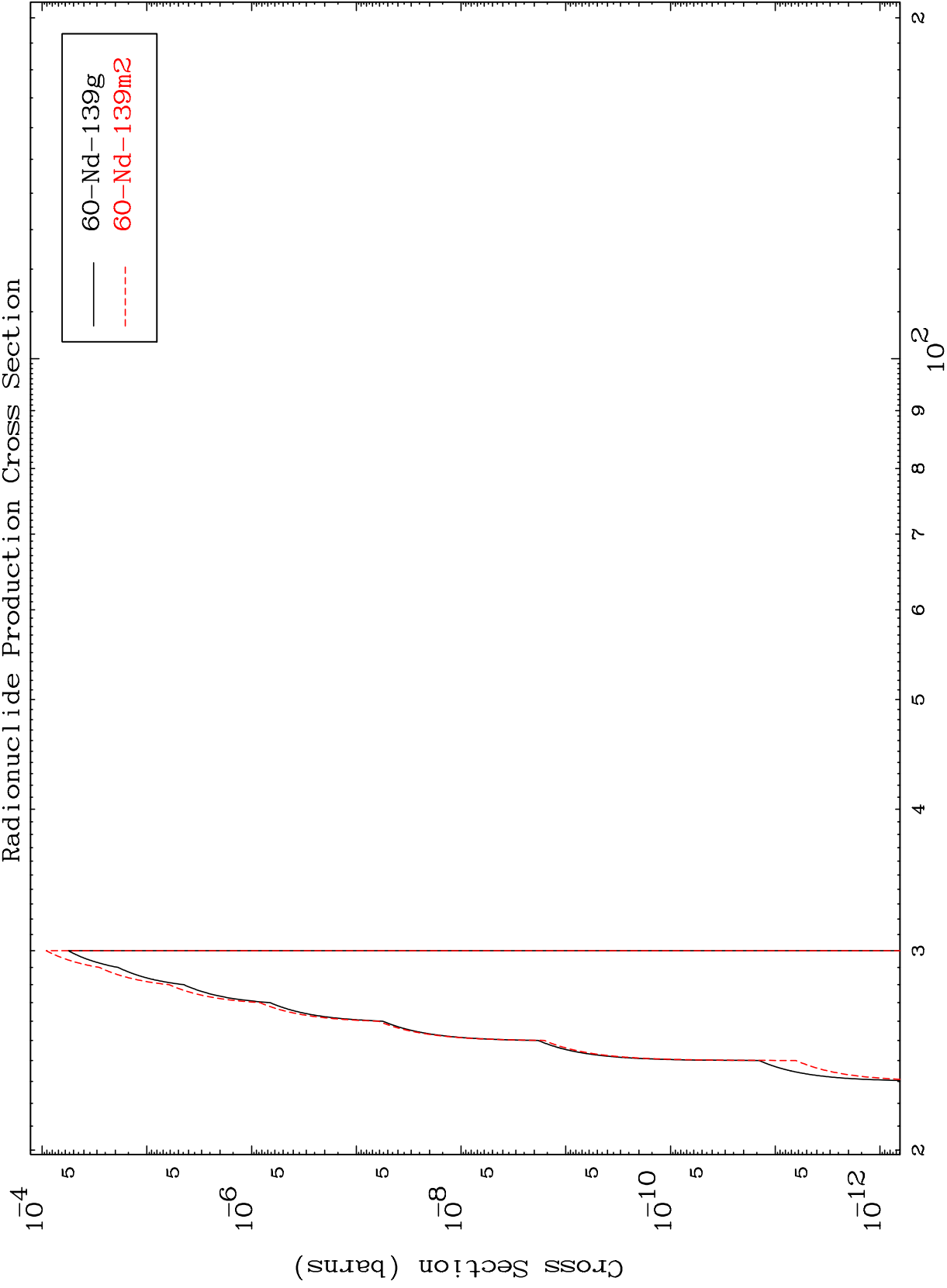


MAT 6134

(n,2n) d

61-Pm-142

Radionuclide Production Cross Section



101

Incident Energy (MeV)

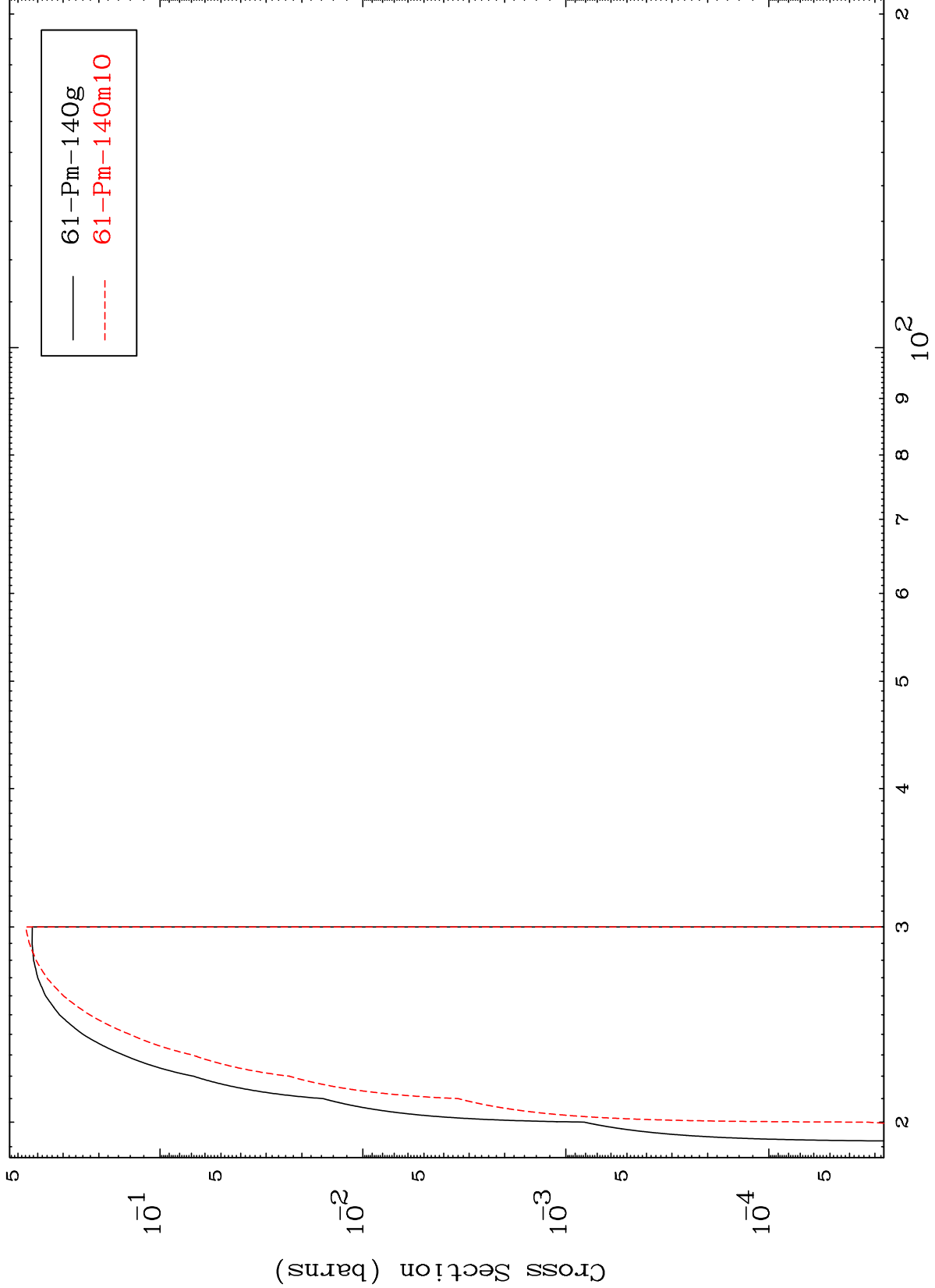
61-Pm-142

MAT 6134

(n,3n)

61-Pm-142

Radionuclide Production Cross Section



102

Incident Energy (MeV)

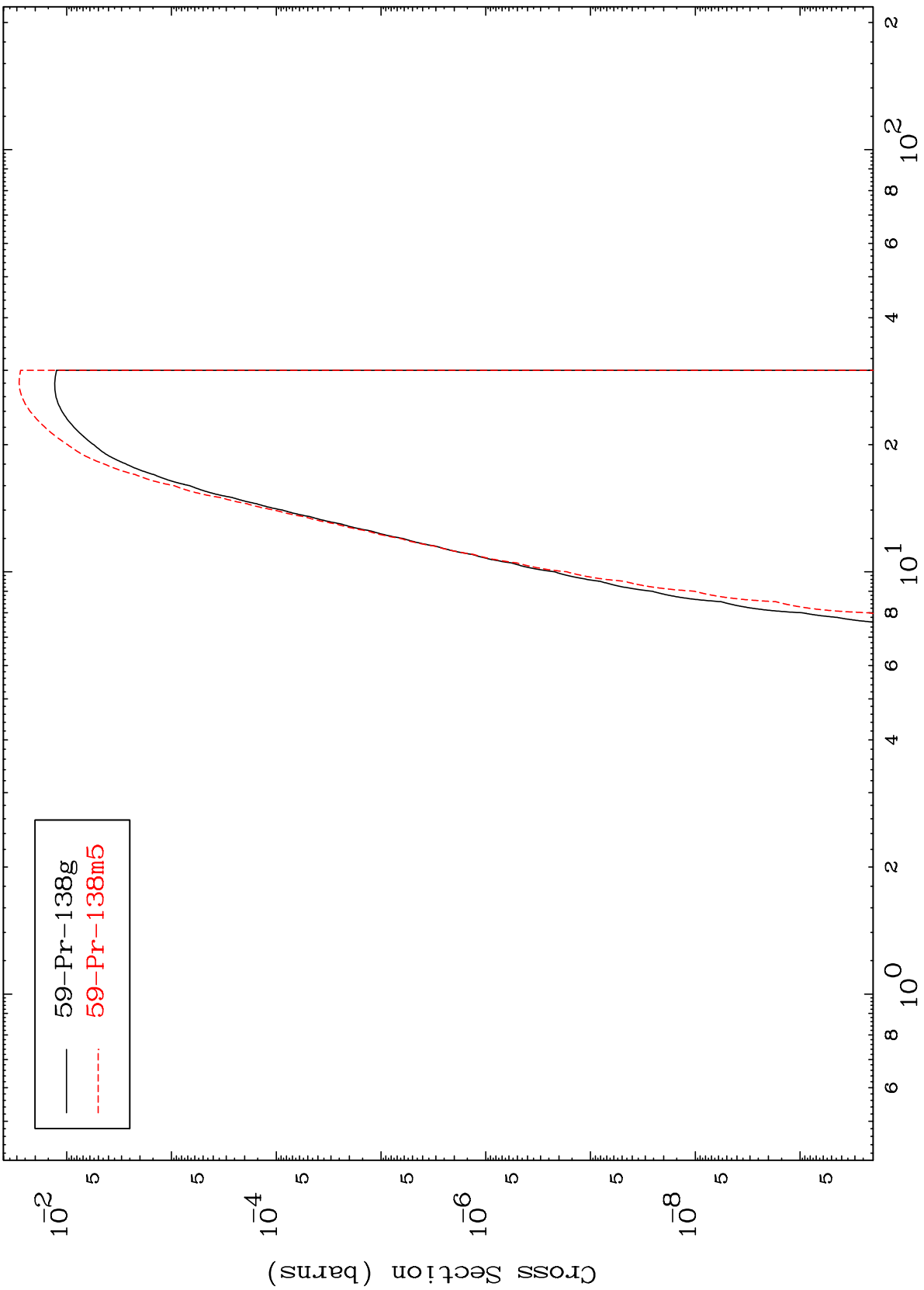
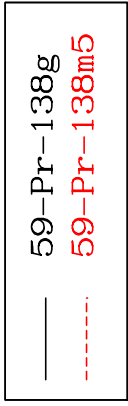
61-Pm-142

MAT 6134

(n,n') α

61-Pm-142

Radionuclide Production Cross Section



103

Incident Energy (MeV)

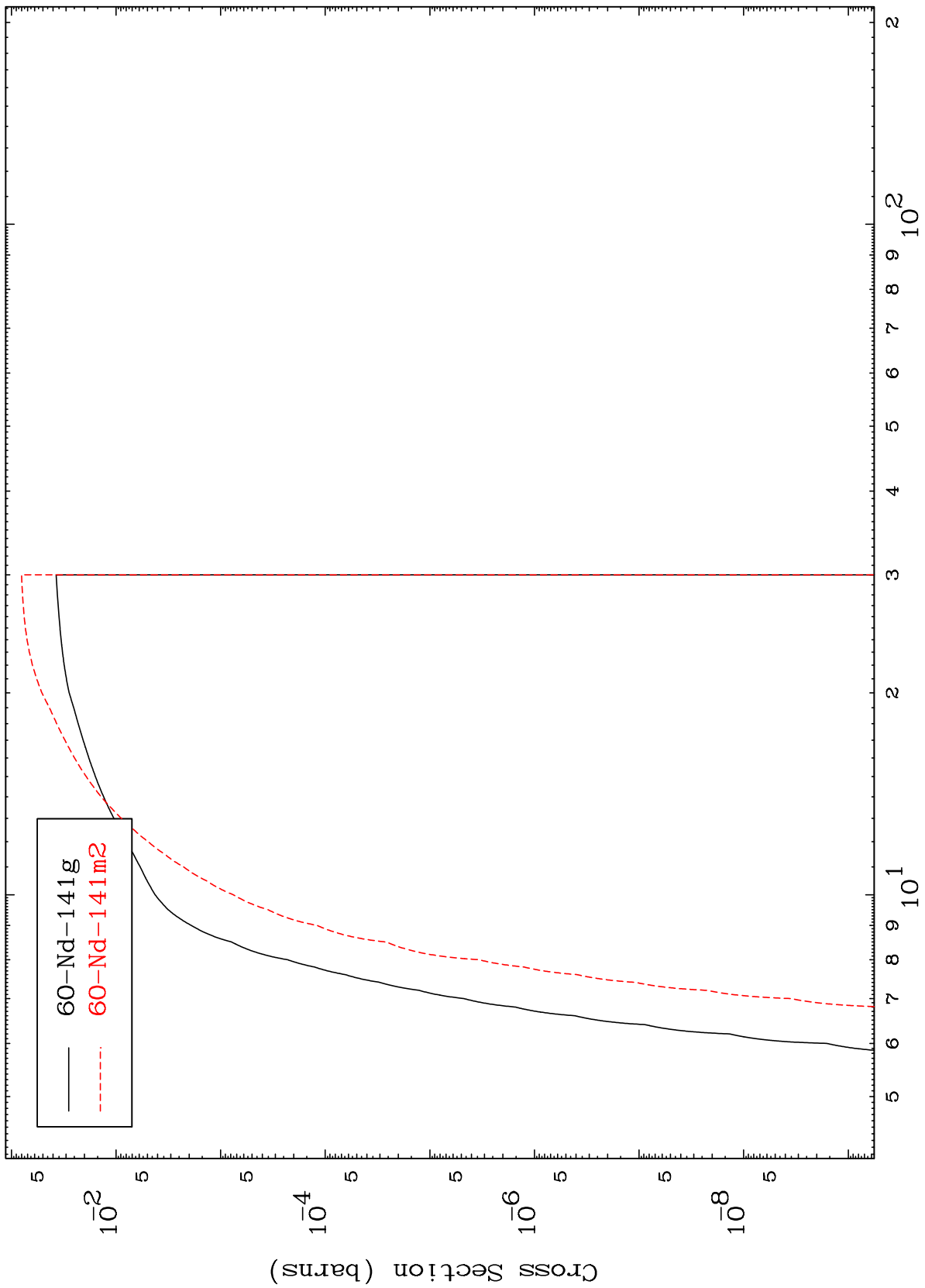
61-Pm-142

MAT 6134

(n,n') p

61-Pm-142

Radionuclide Production Cross Section



60-Nd-141g
60-Nd-141m2

104

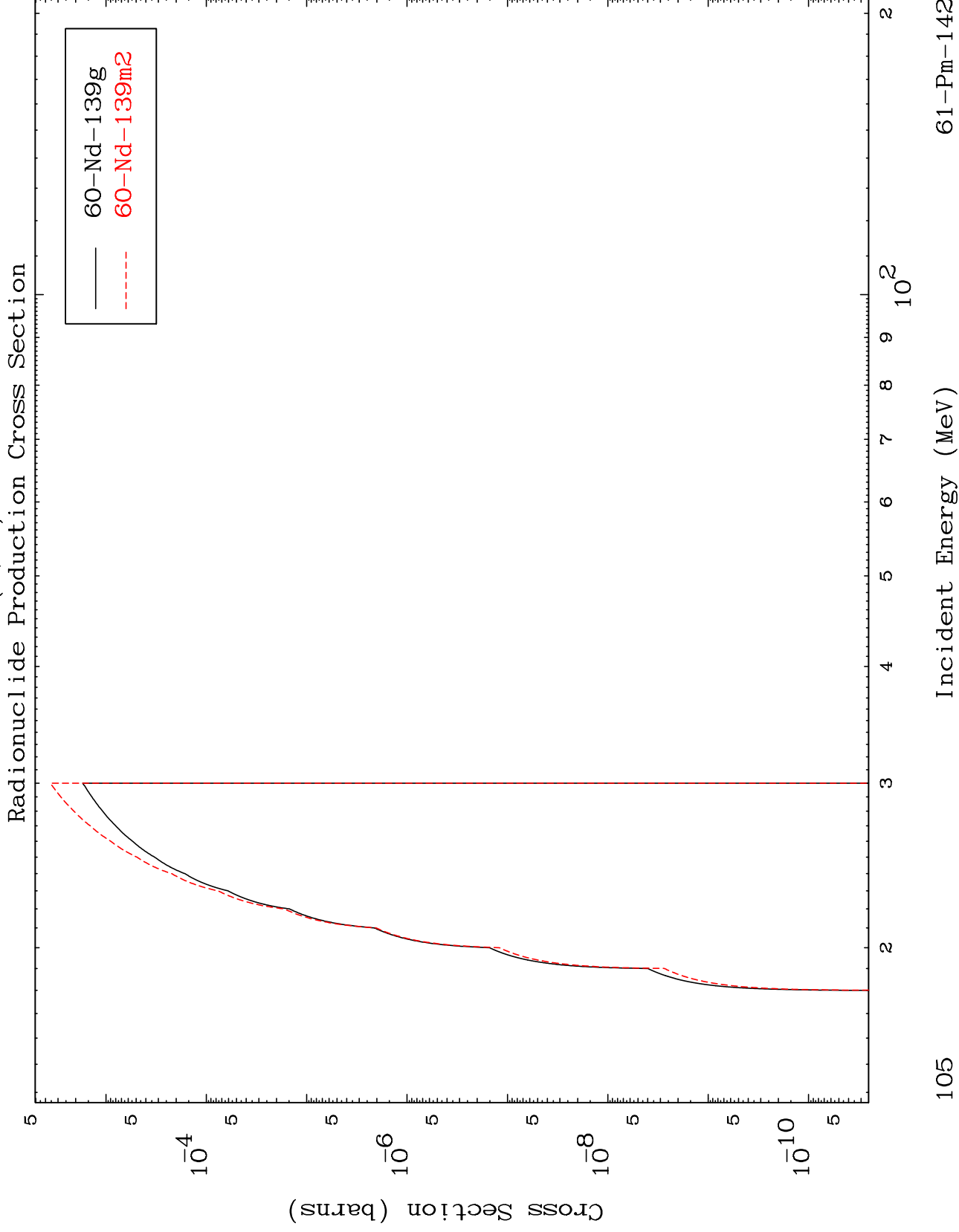
Incident Energy (MeV)

61-Pm-142

MAT 6134

(n,n') t

61-Pm-142



105

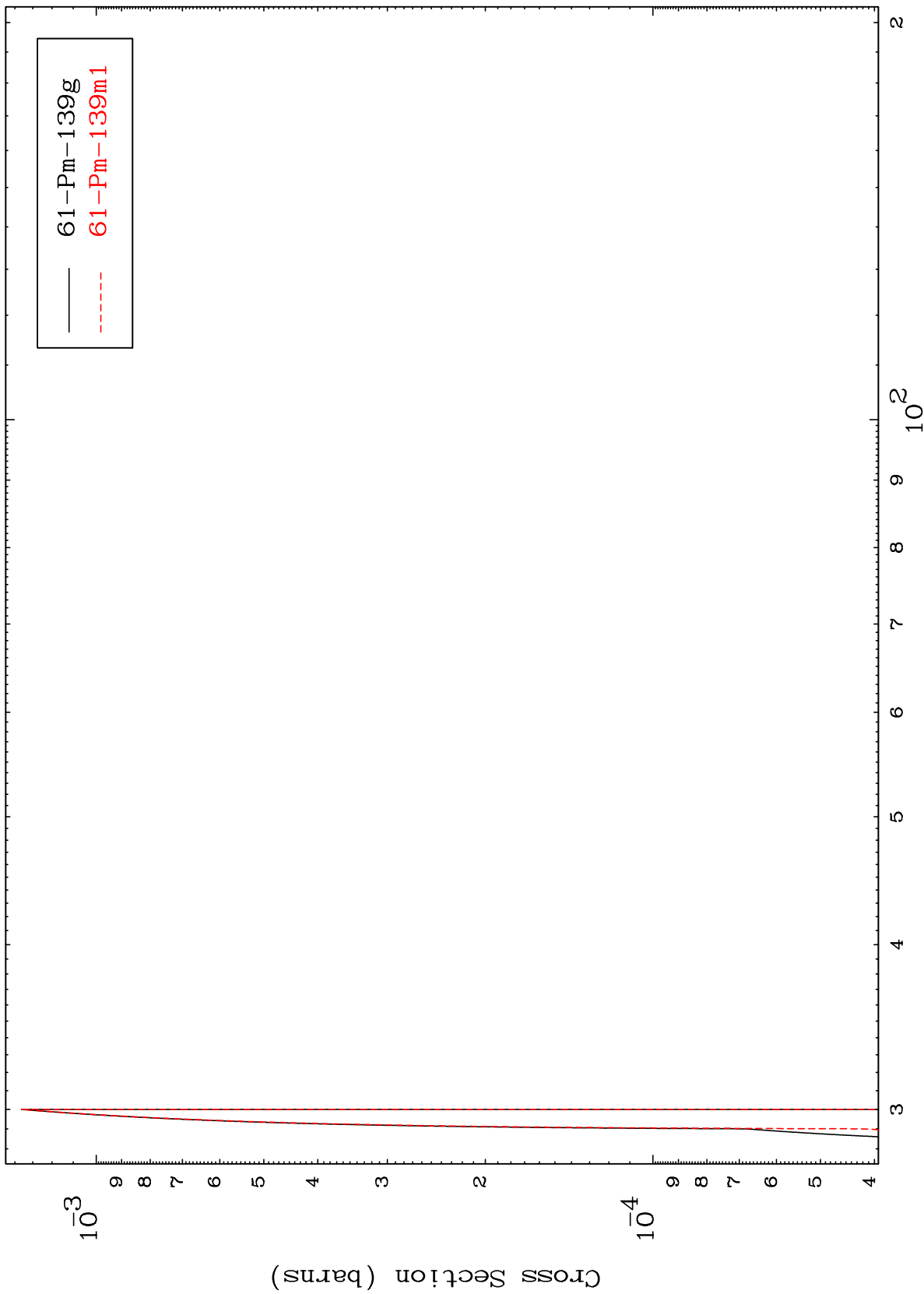
Incident Energy (MeV)

61-Pm-142

MAT 6134

61-Pm-142

(n,4n)
Radionuclide Production Cross Section



106

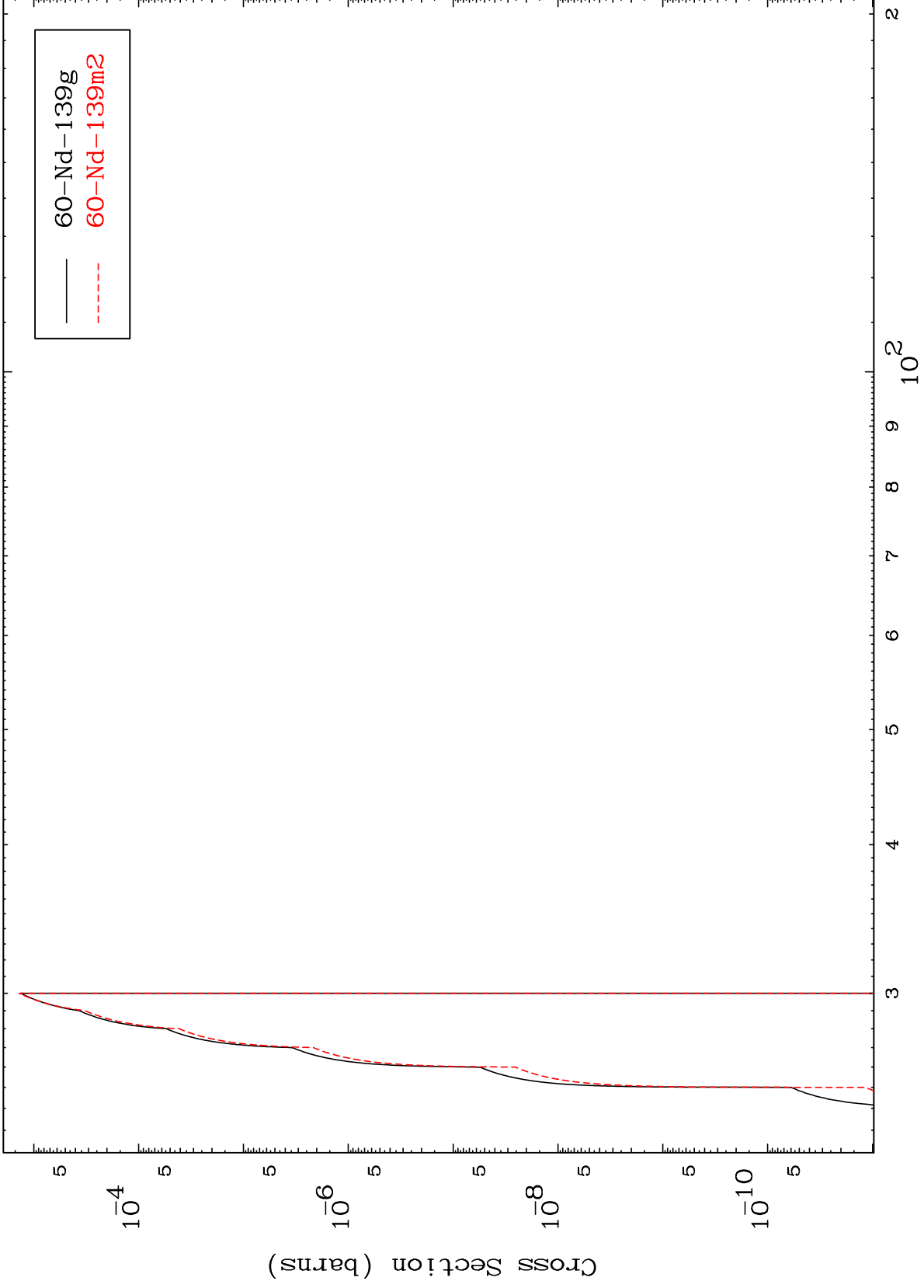
61-Pm-142

MAT 6134

(n,3n) p

61-Pm-142

Radionuclide Production Cross Section



107

Incident Energy (MeV)

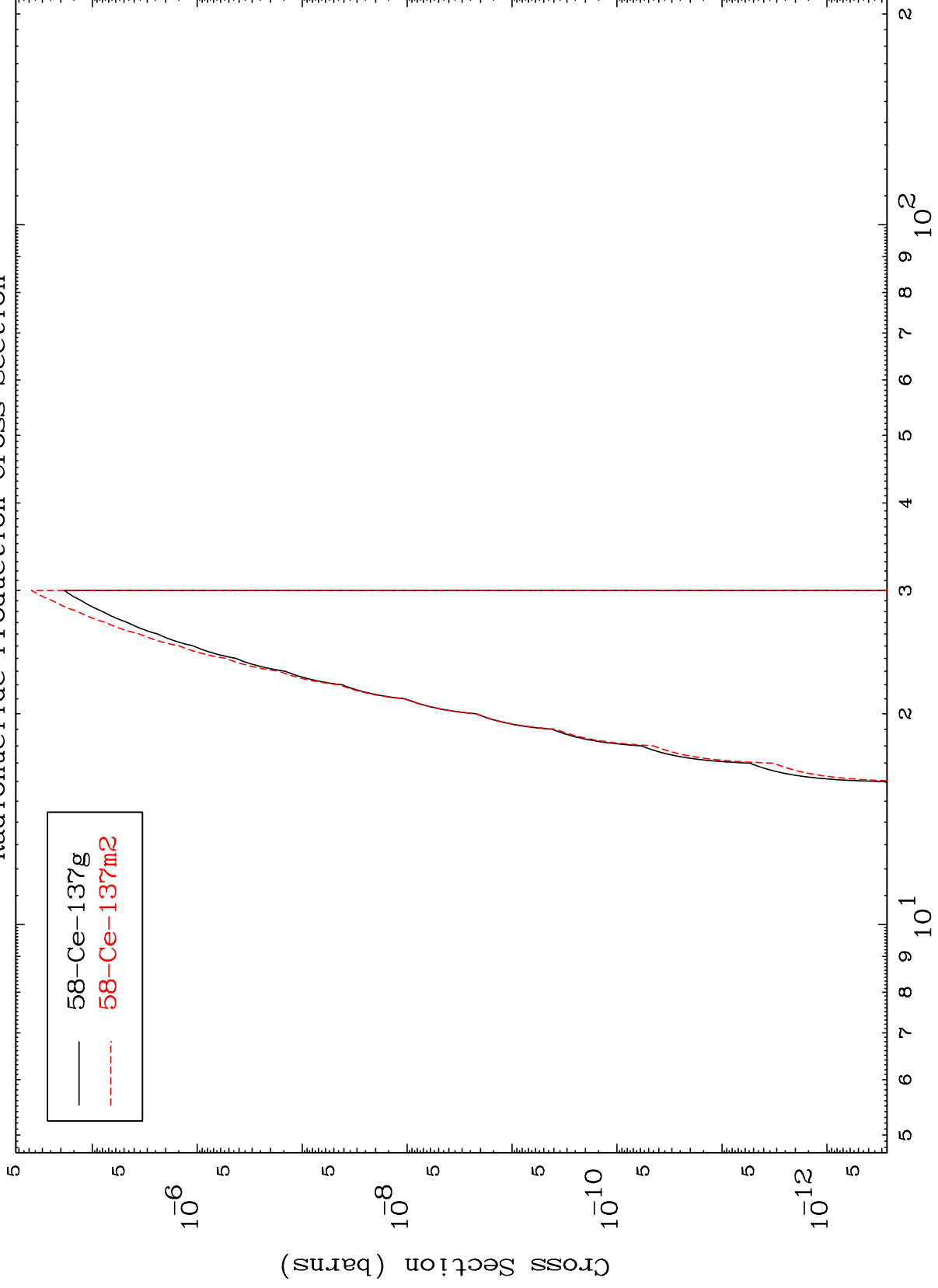
61-Pm-142

MAT 6134

(n,n') p α

61-Pm-142

Radionuclide Production Cross Section



58-Ce-137g
58-Ce-137m2

108

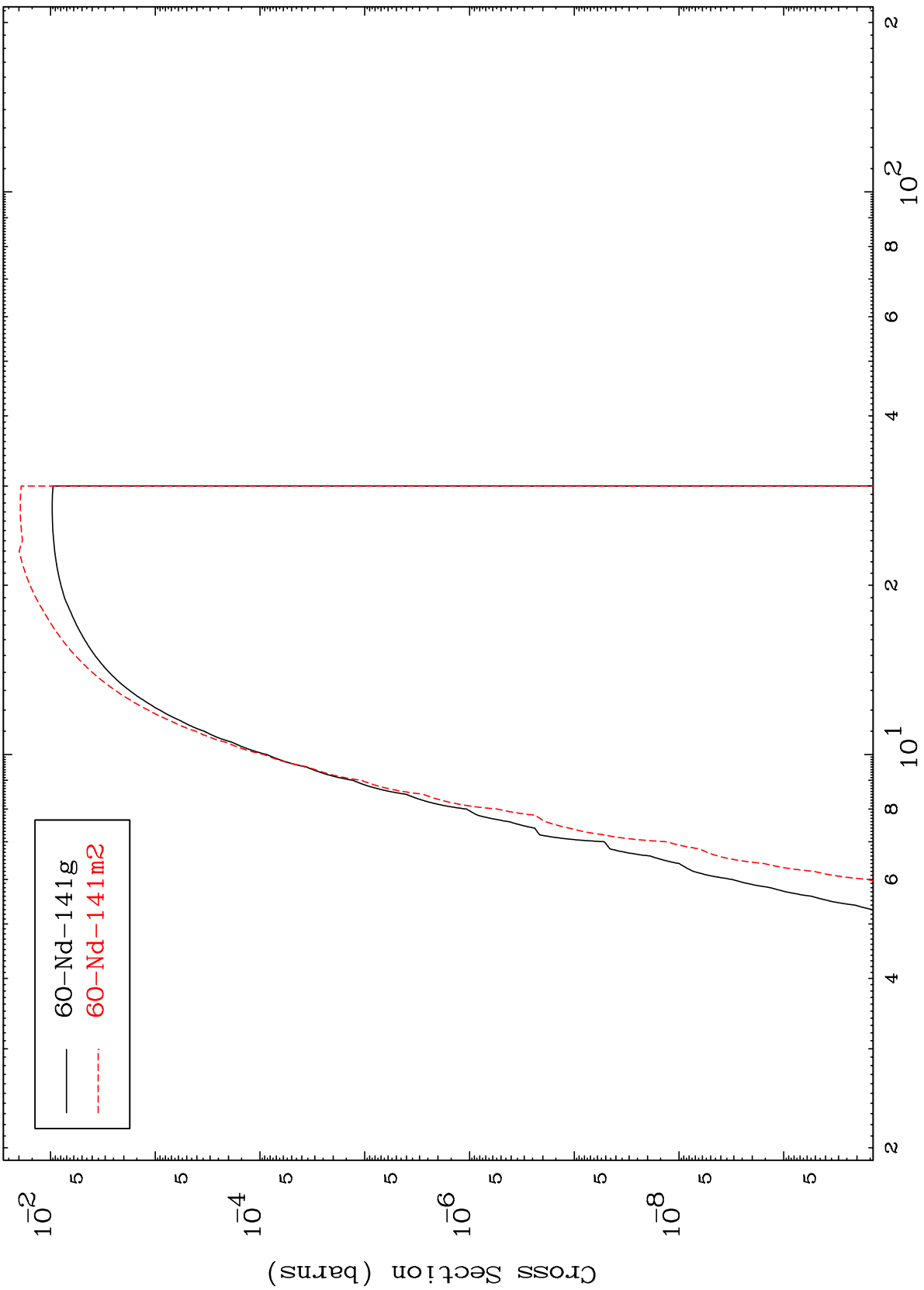
Incident Energy (MeV)

61-Pm-142

MAT 6134

61-Pm-142

(n,d)
Radionuclide Production Cross Section



109

61-Pm-142

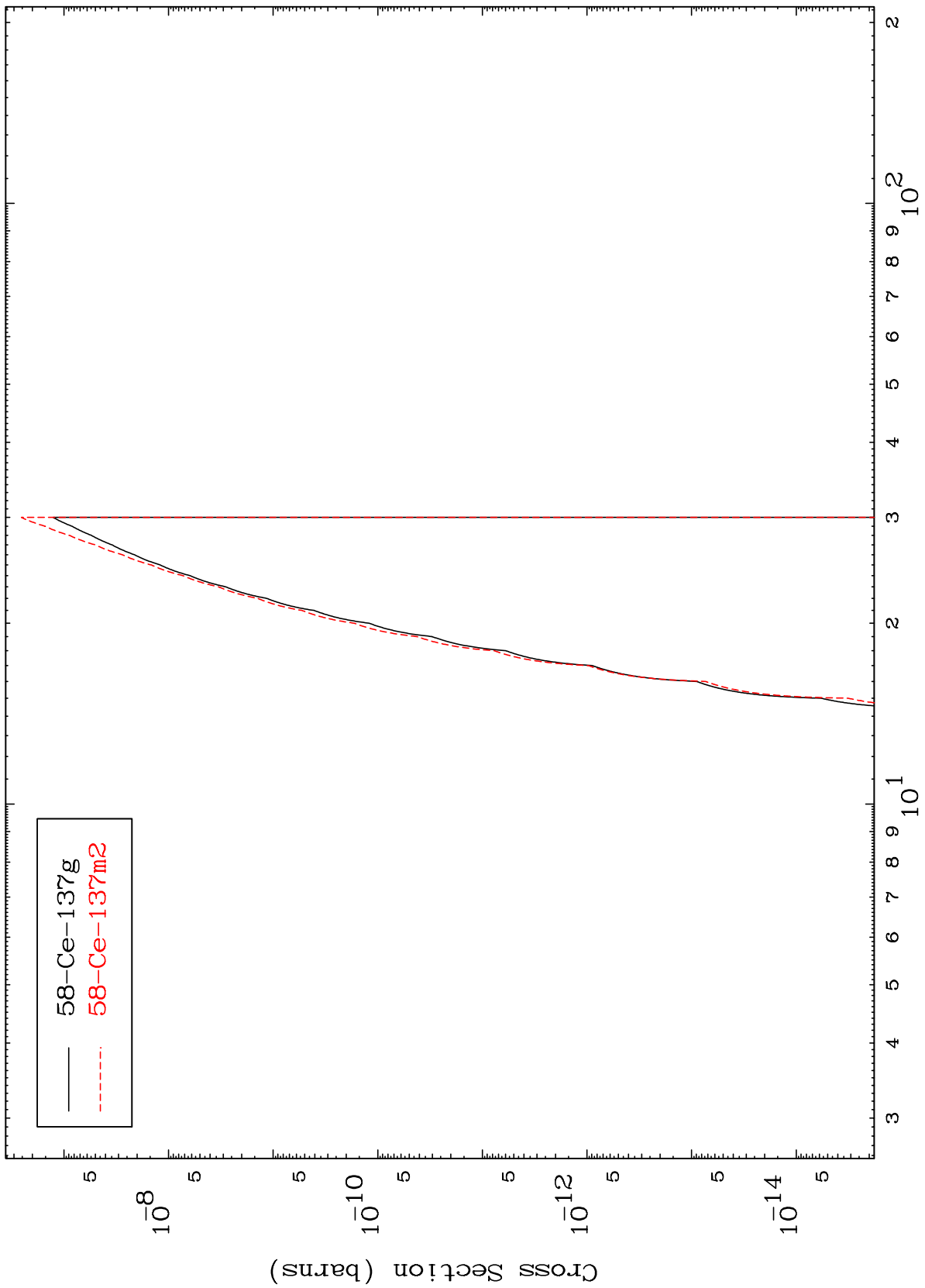
Incident Energy (MeV)

MAT 6134

(n,d) α

61-Pm-142

Radionuclide Production Cross Section



110

Incident Energy (MeV)

61-Pm-142