

Program EVALPLOT
(Version 2018-1)

by

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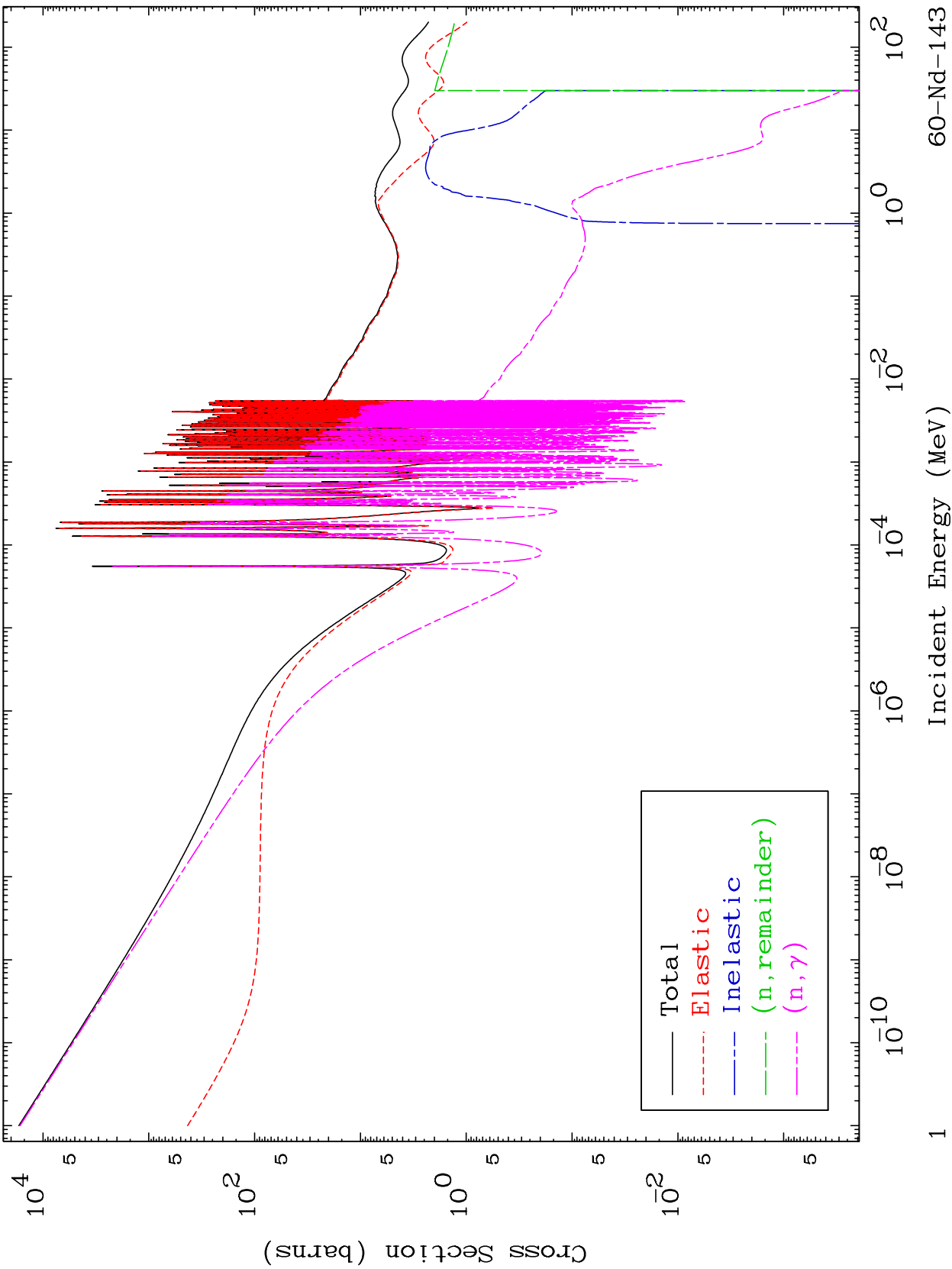
Press Mouse Button to Start

MAT 6028

Major

293 Kelvin Cross Sections

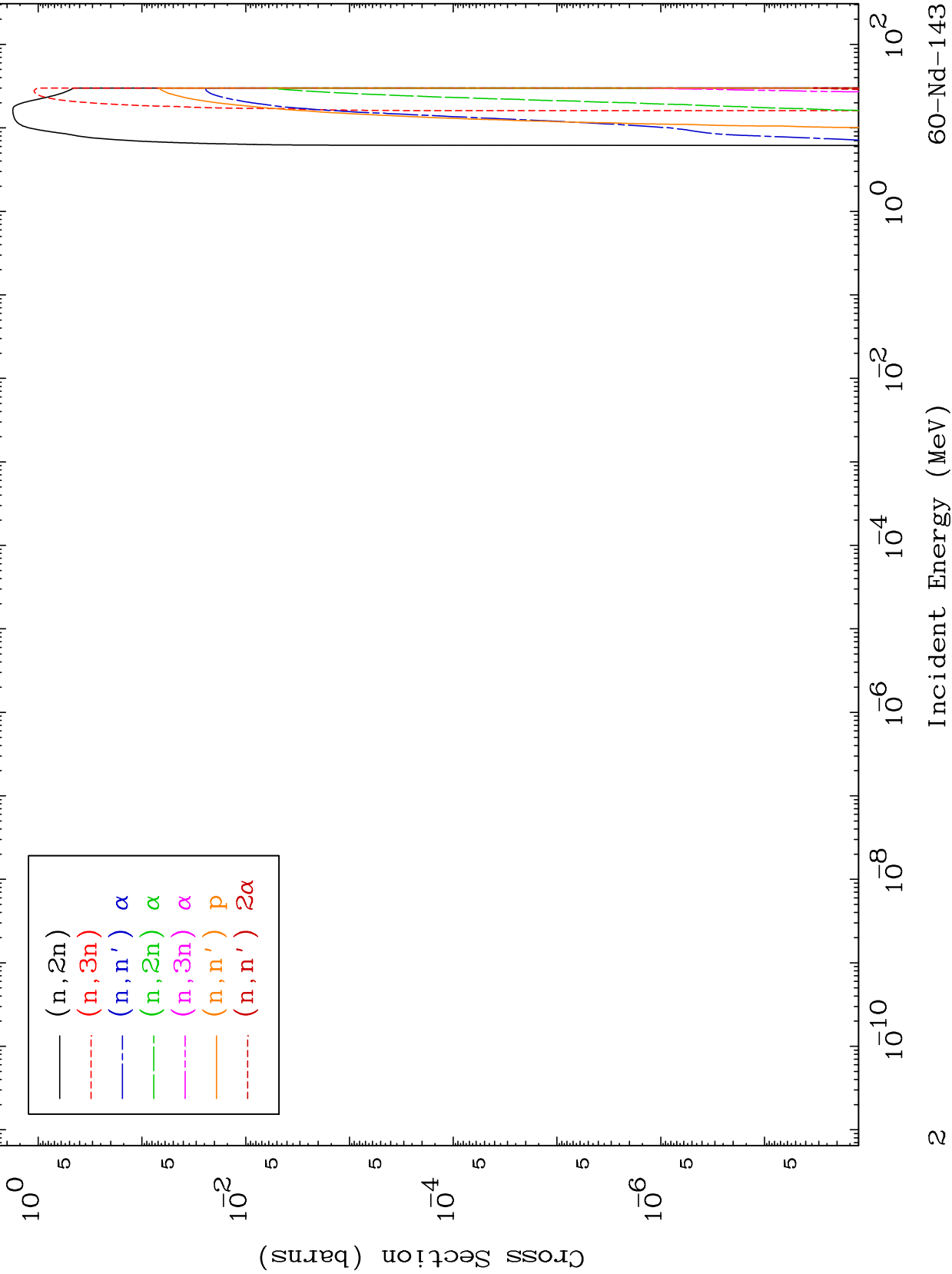
60-Nd-143

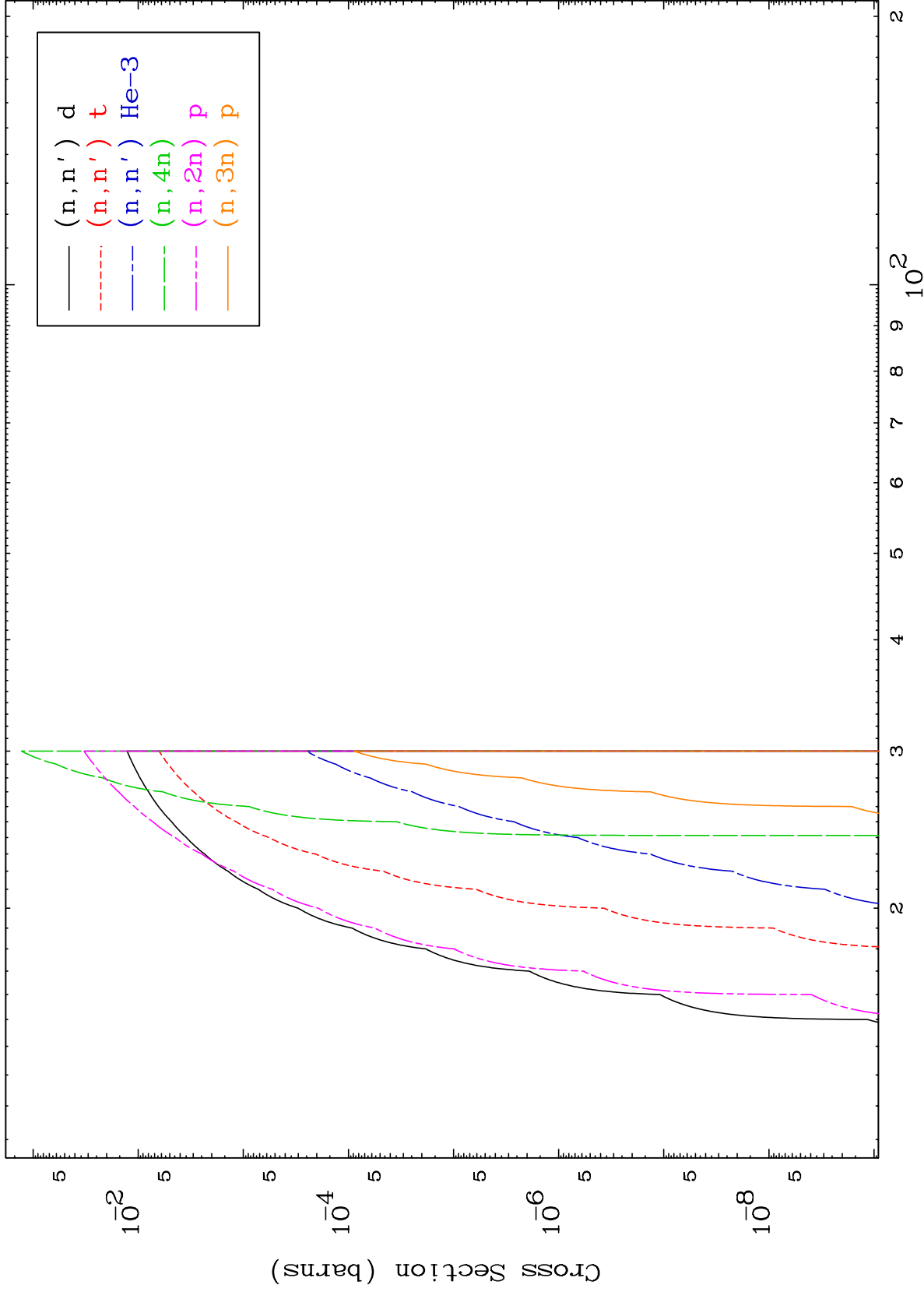


MAT 6028

Neutron Production
293 Kelvin Cross Sections

60-Nd-143

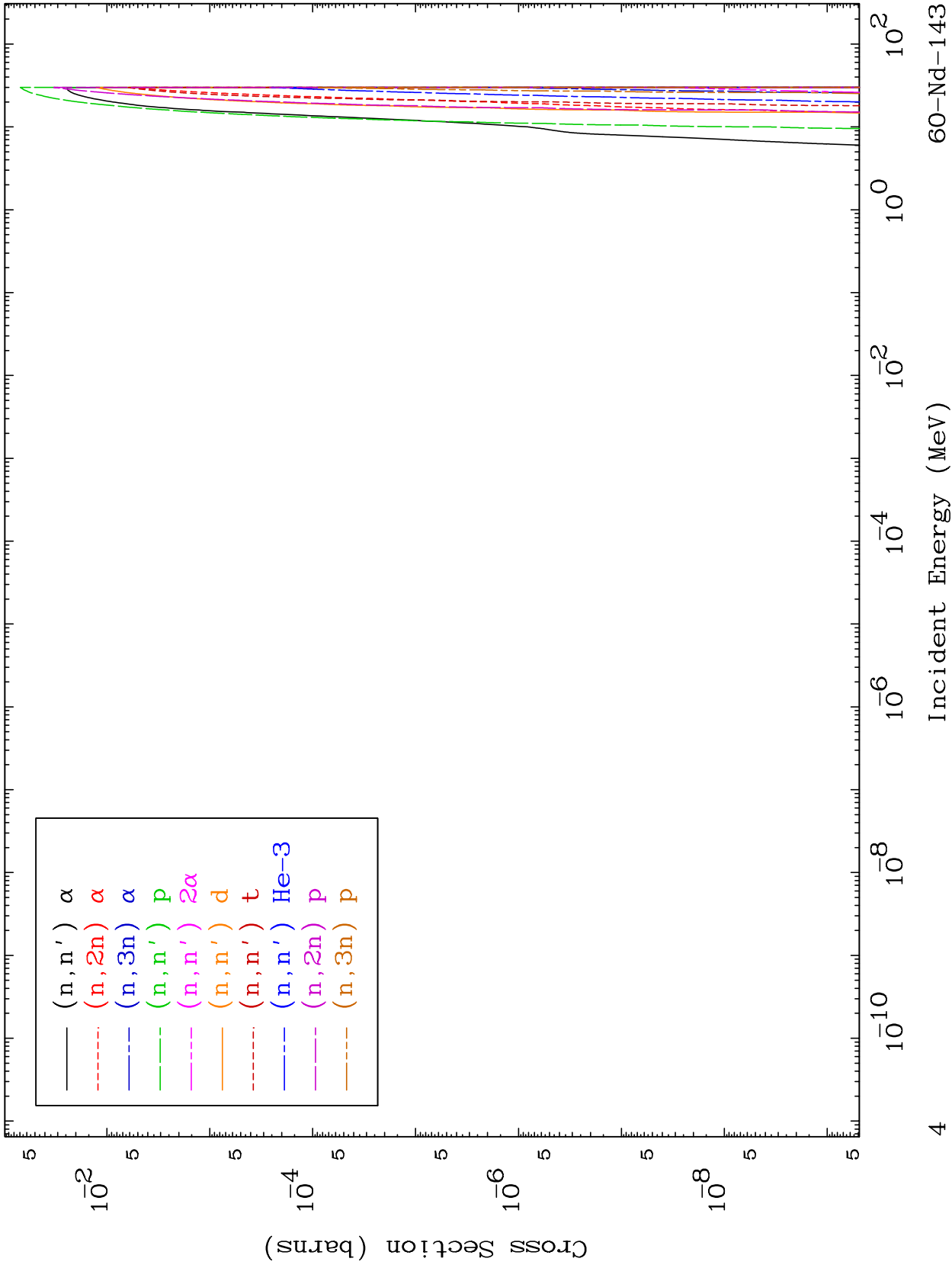




MAT 6028

Charged Particle
293 Kelvin Cross Sections

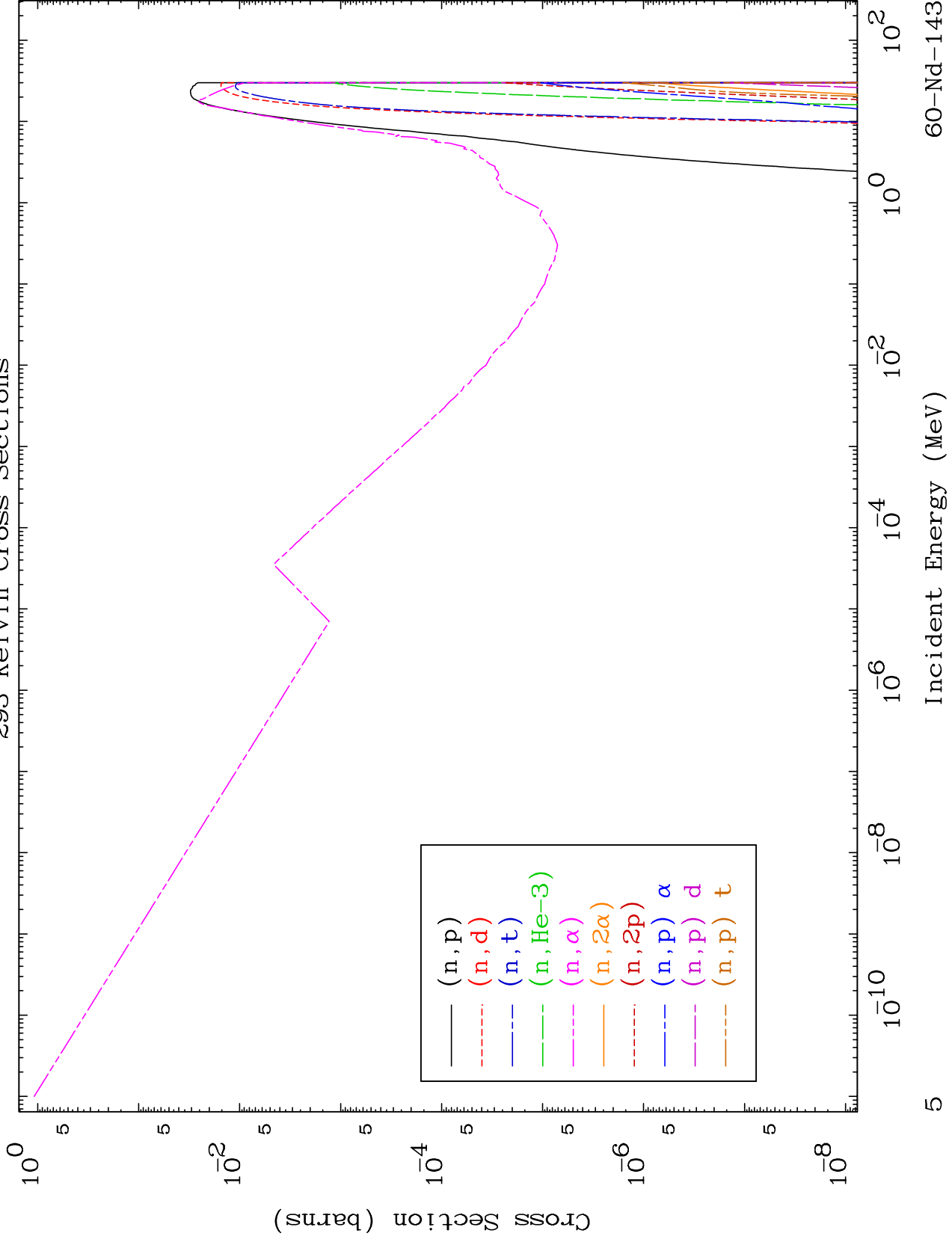
60-Nd-143



MAT 6028

Charged Particle
293 Kelvin Cross Sections

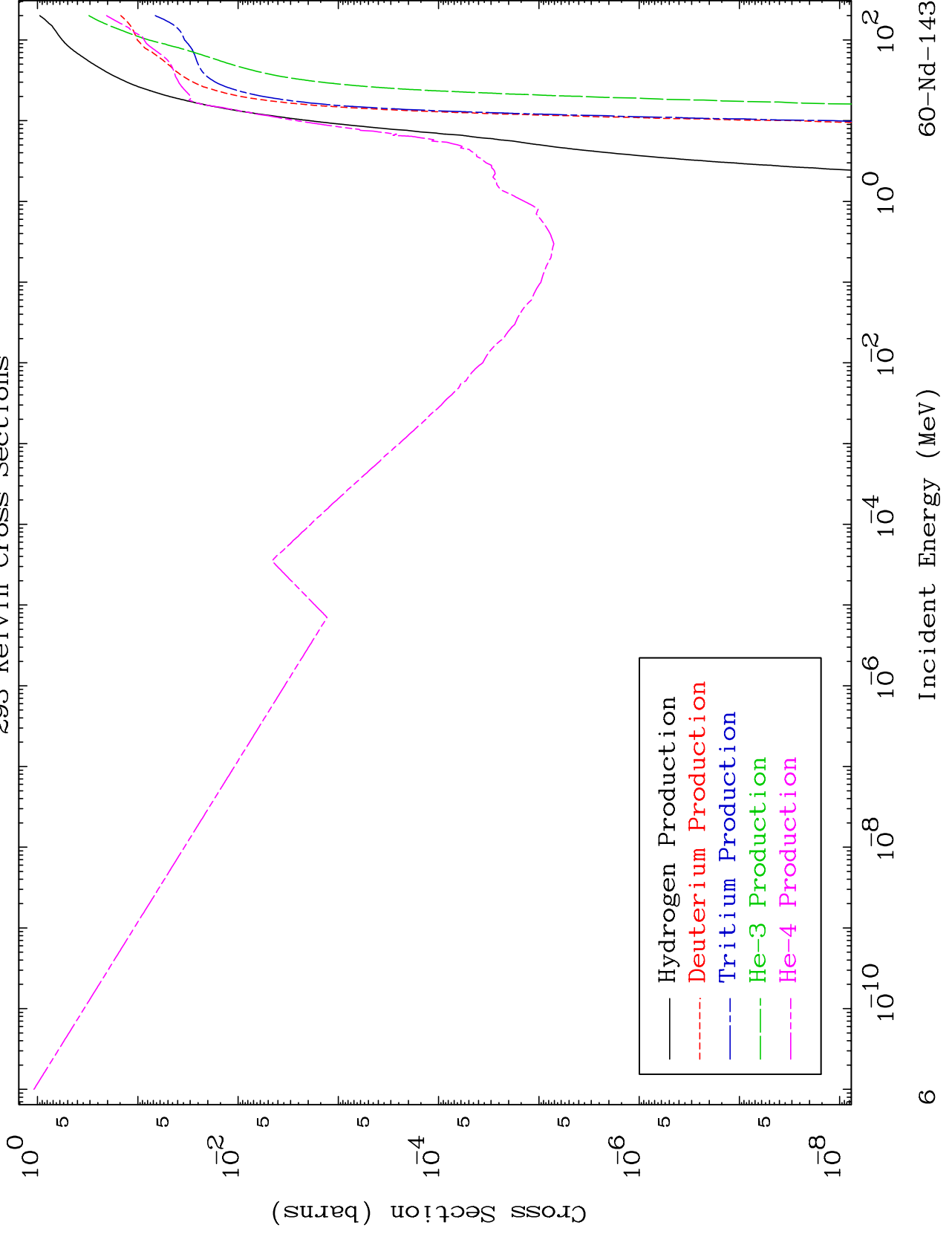
60-Nd-143



MAT 6028

Particle Production
293 Kelvin Cross Sections

60-Nd-143

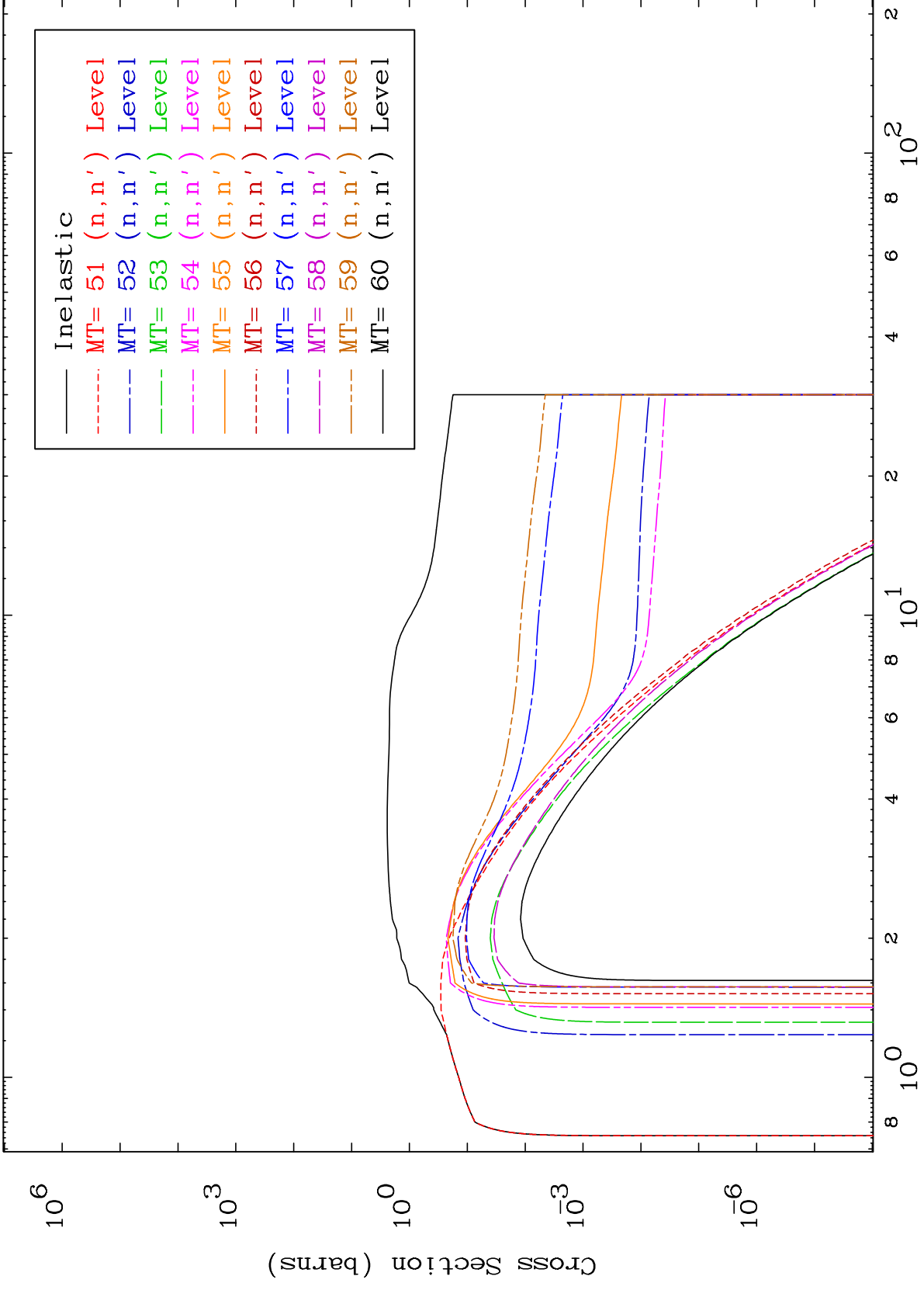


MAT 6028

(n,n') Level

60-Nd-143

293 Kelvin Cross Sections



7

Incident Energy (MeV)

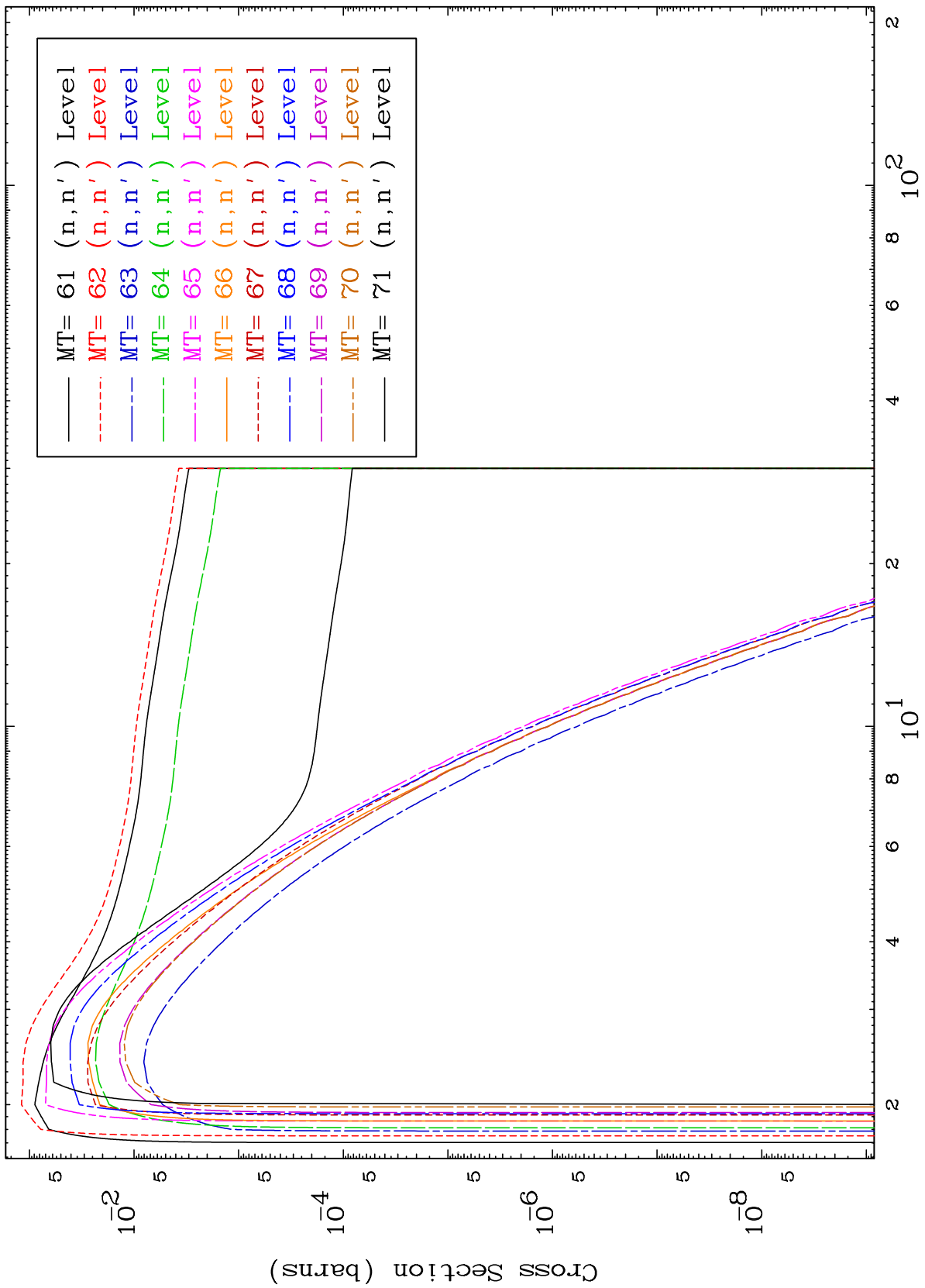
60-Nd-143

MAT 6028

(n,n') Level

60-Nd-143

293 Kelvin Cross Sections



8

Incident Energy (MeV)

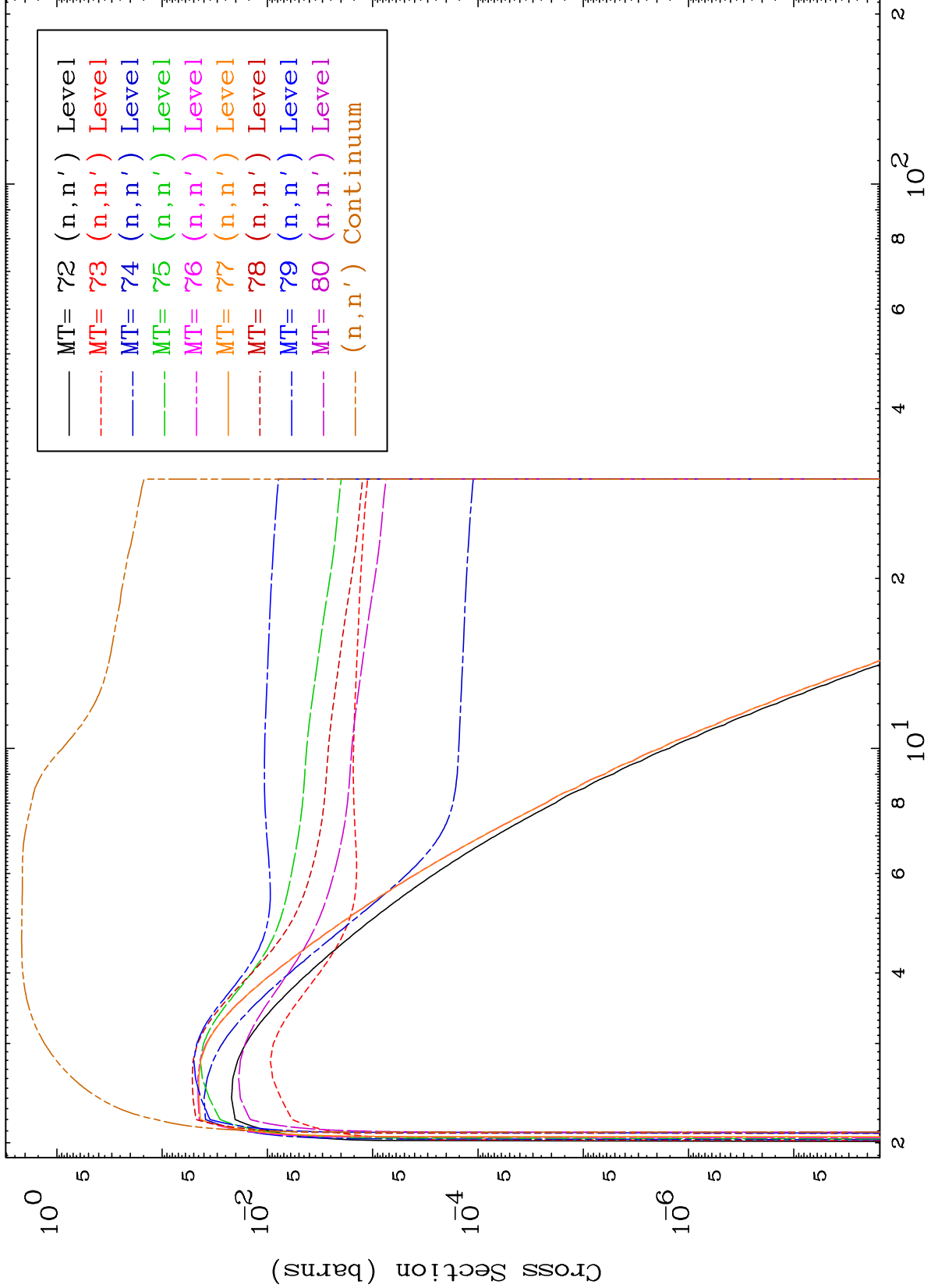
60-Nd-143

MAT 6028

(n,n') Level

60-Nd-143

293 Kelvin Cross Sections



9

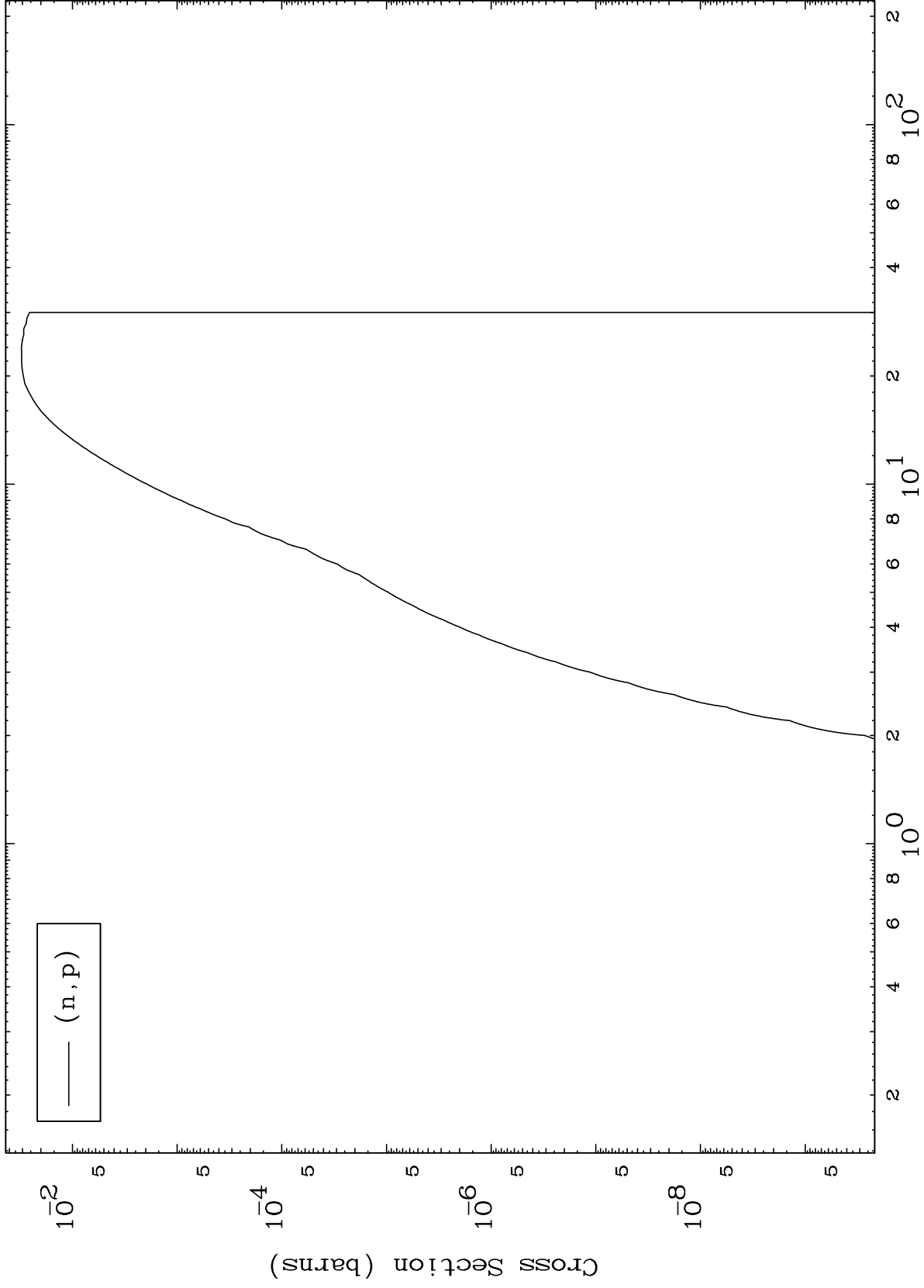
Incident Energy (MeV)

60-Nd-143

MAT 6028

(n,p) Levels
293 Kelvin Cross Sections

60-Nd-143



10

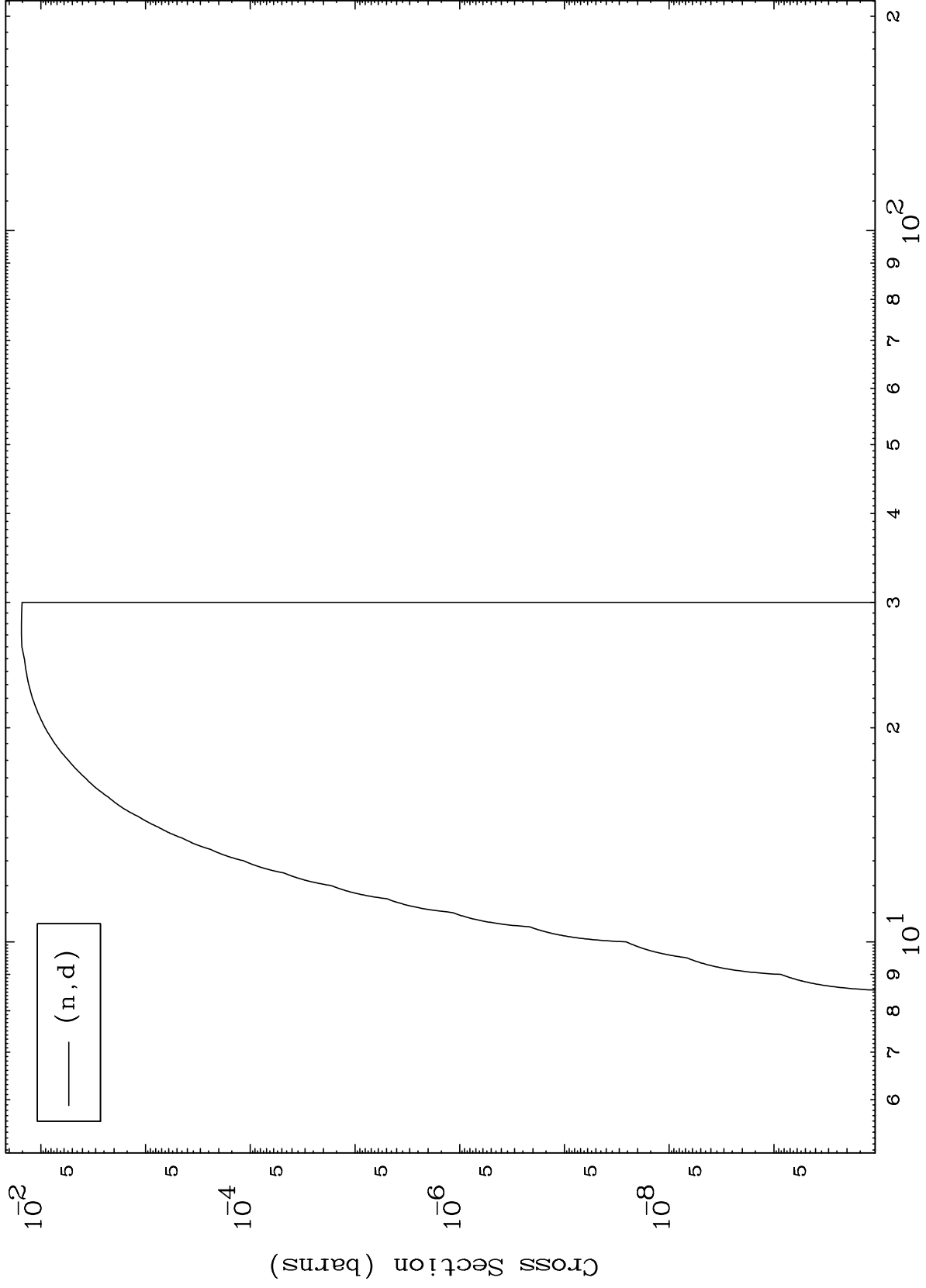
Incident Energy (MeV)

60-Nd-143

MAT 6028

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-143



11

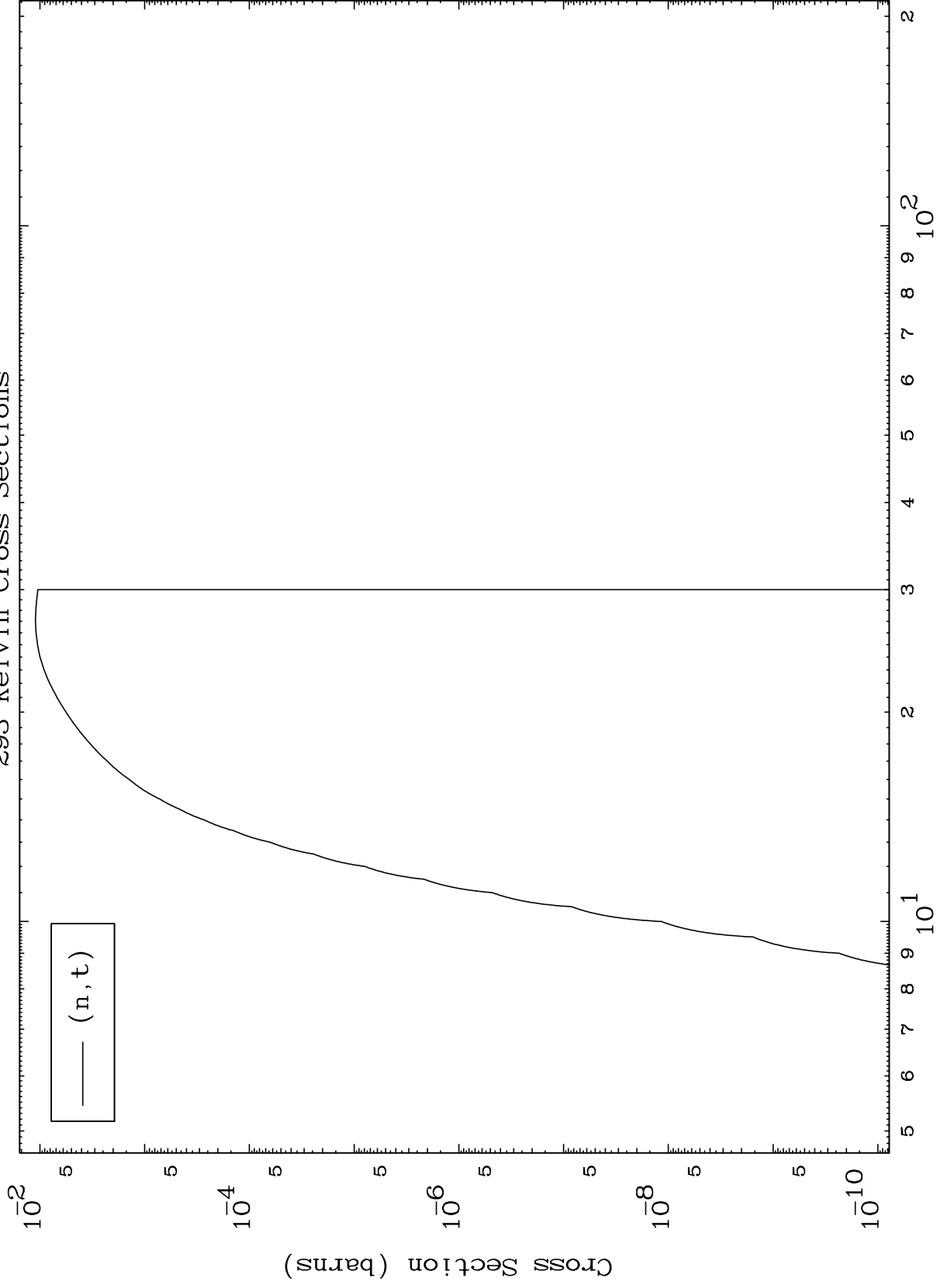
Incident Energy (MeV)

60-Nd-143

MAT 6028

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-143



12

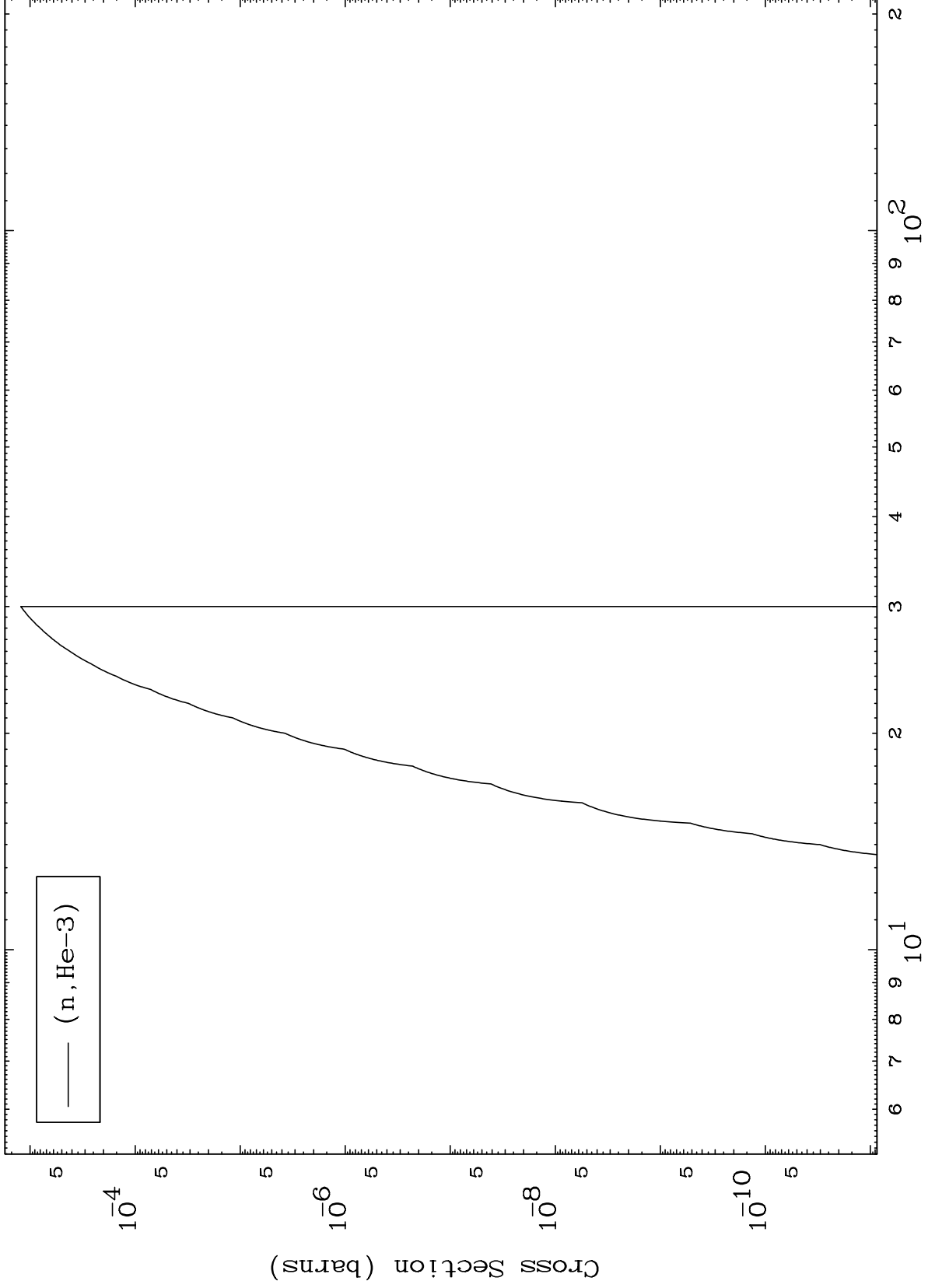
Incident Energy (MeV)

60-Nd-143

MAT 6028

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-143



13

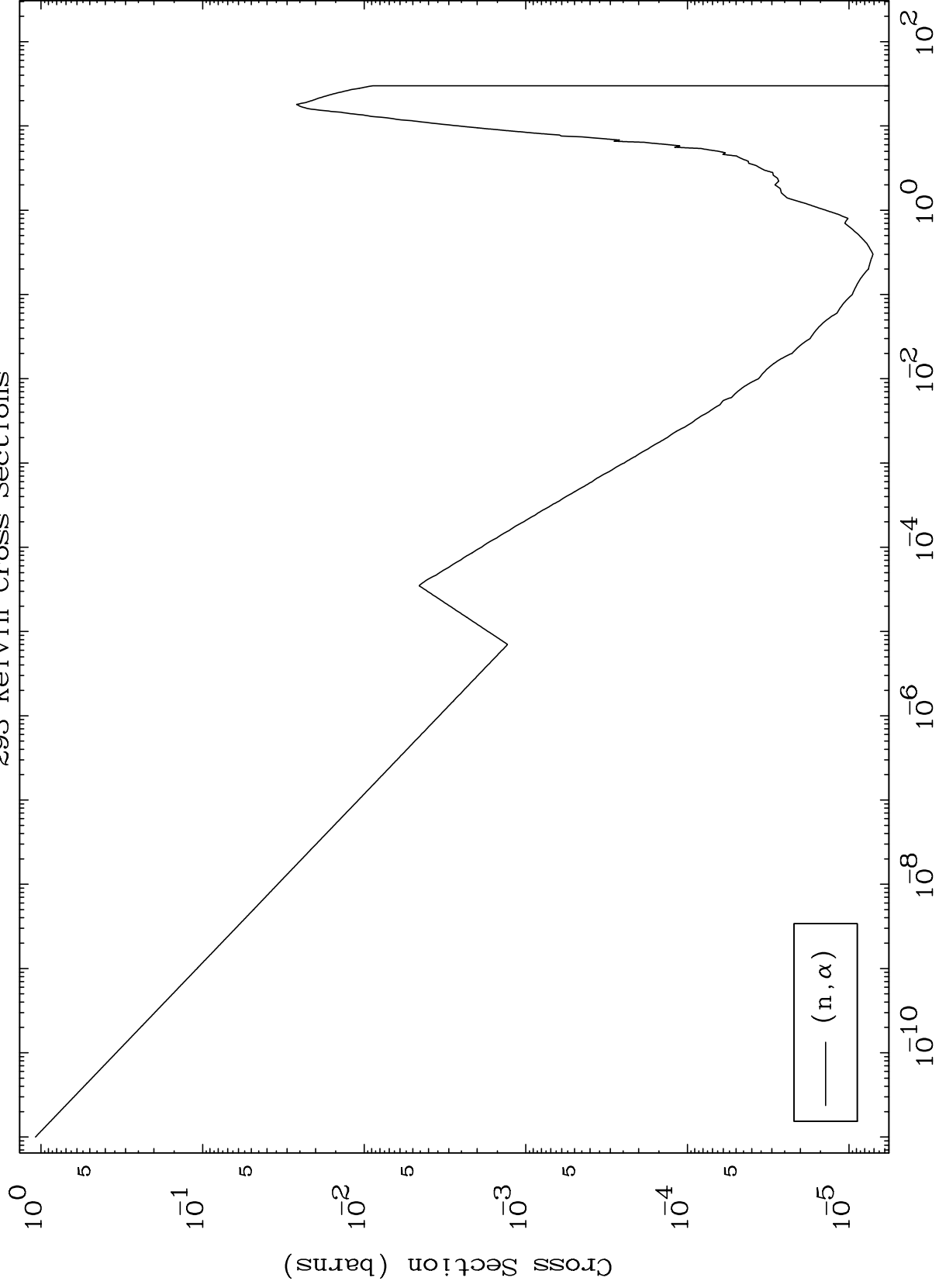
Incident Energy (MeV)

60-Nd-143

MAT 6028

(n, α) Levels
293 Kelvin Cross Sections

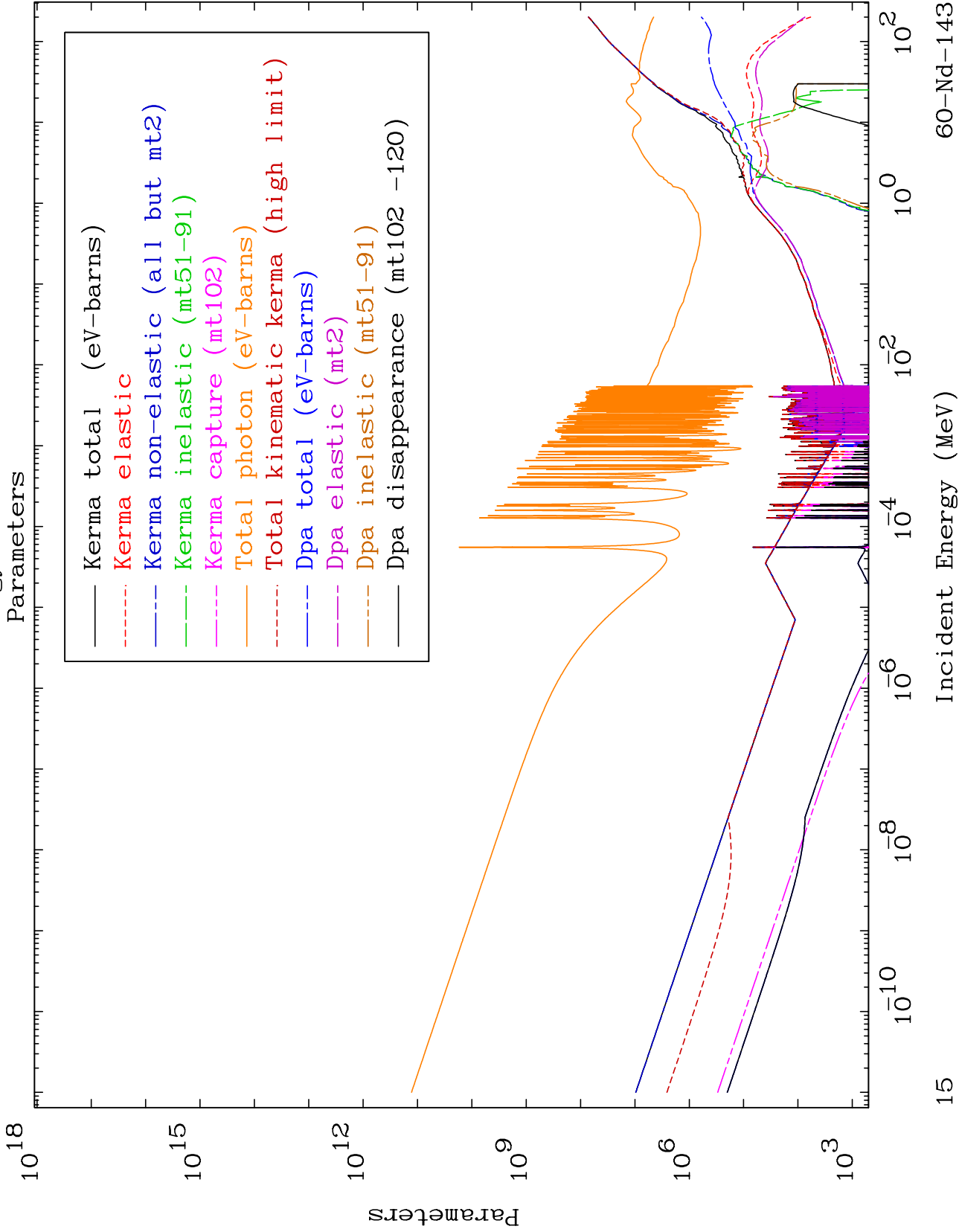
60-Nd-143



14

Incident Energy (MeV)

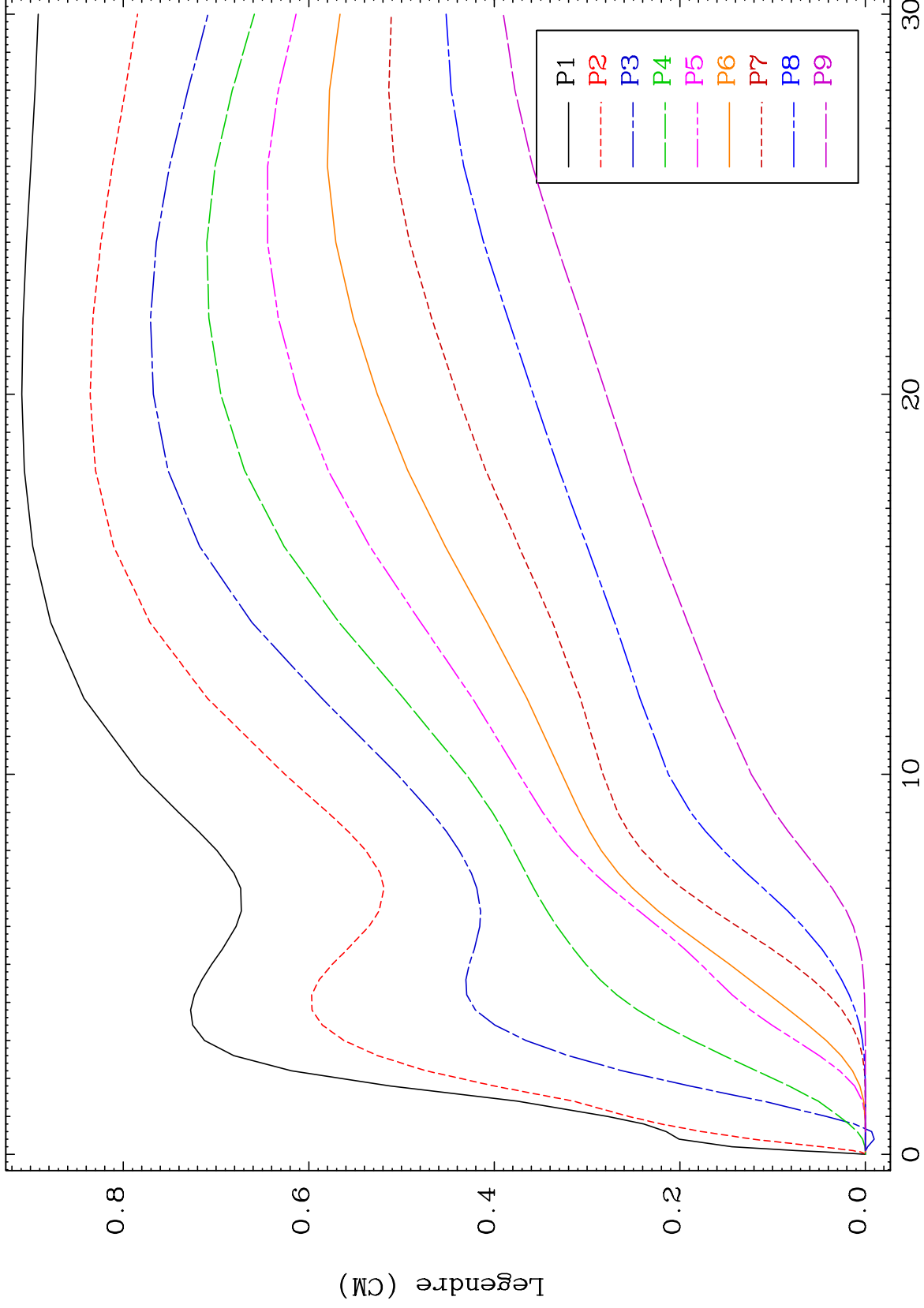
60-Nd-143



MAT 6028

Elastic Legendre Coefficients

$^{60}\text{Nd-143}$



16

Incident Energy (MeV)

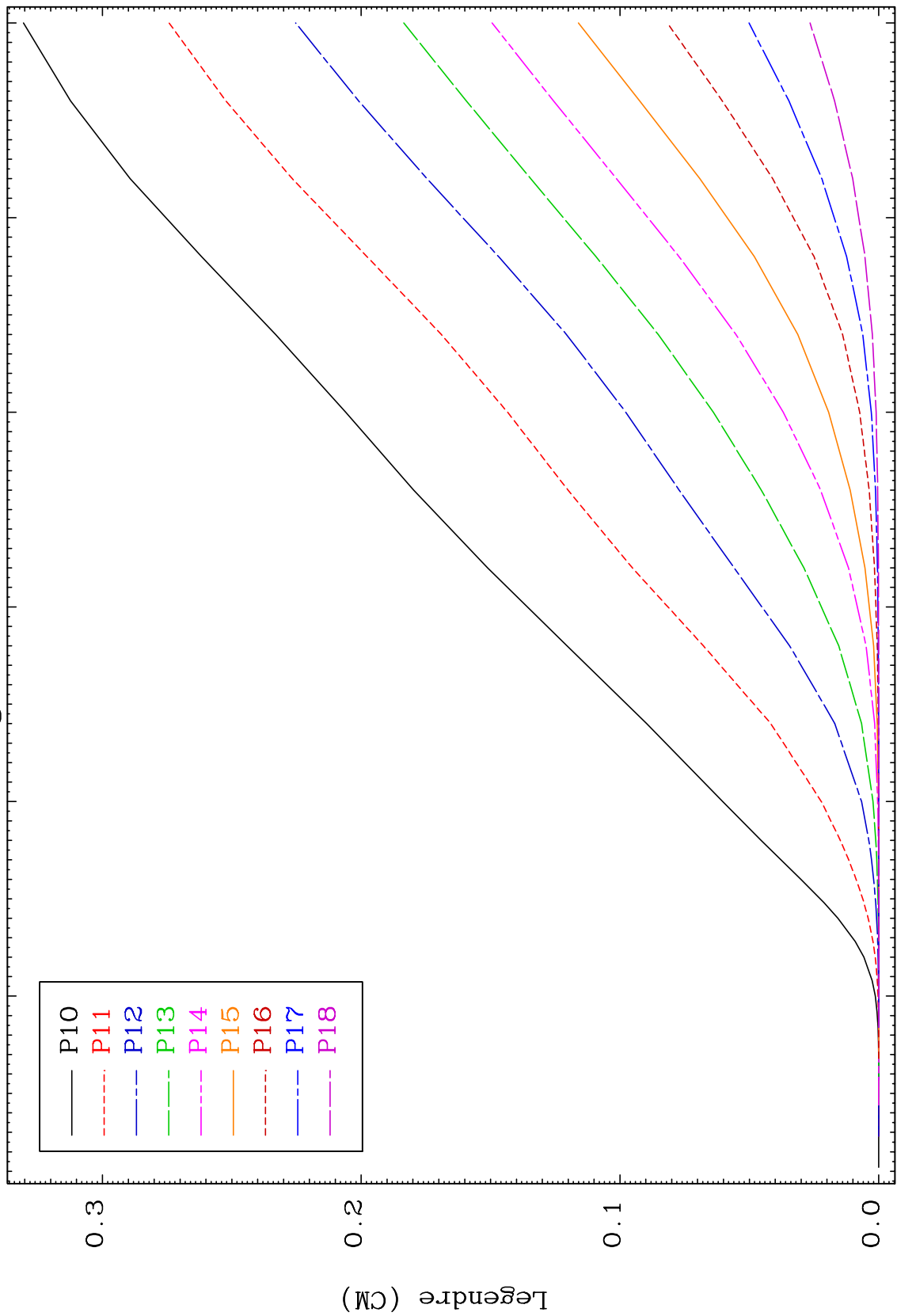
$^{60}\text{Nd-143}$

30

MAT 6028

Elastic Legendre Coefficients

60-Nd-143



17

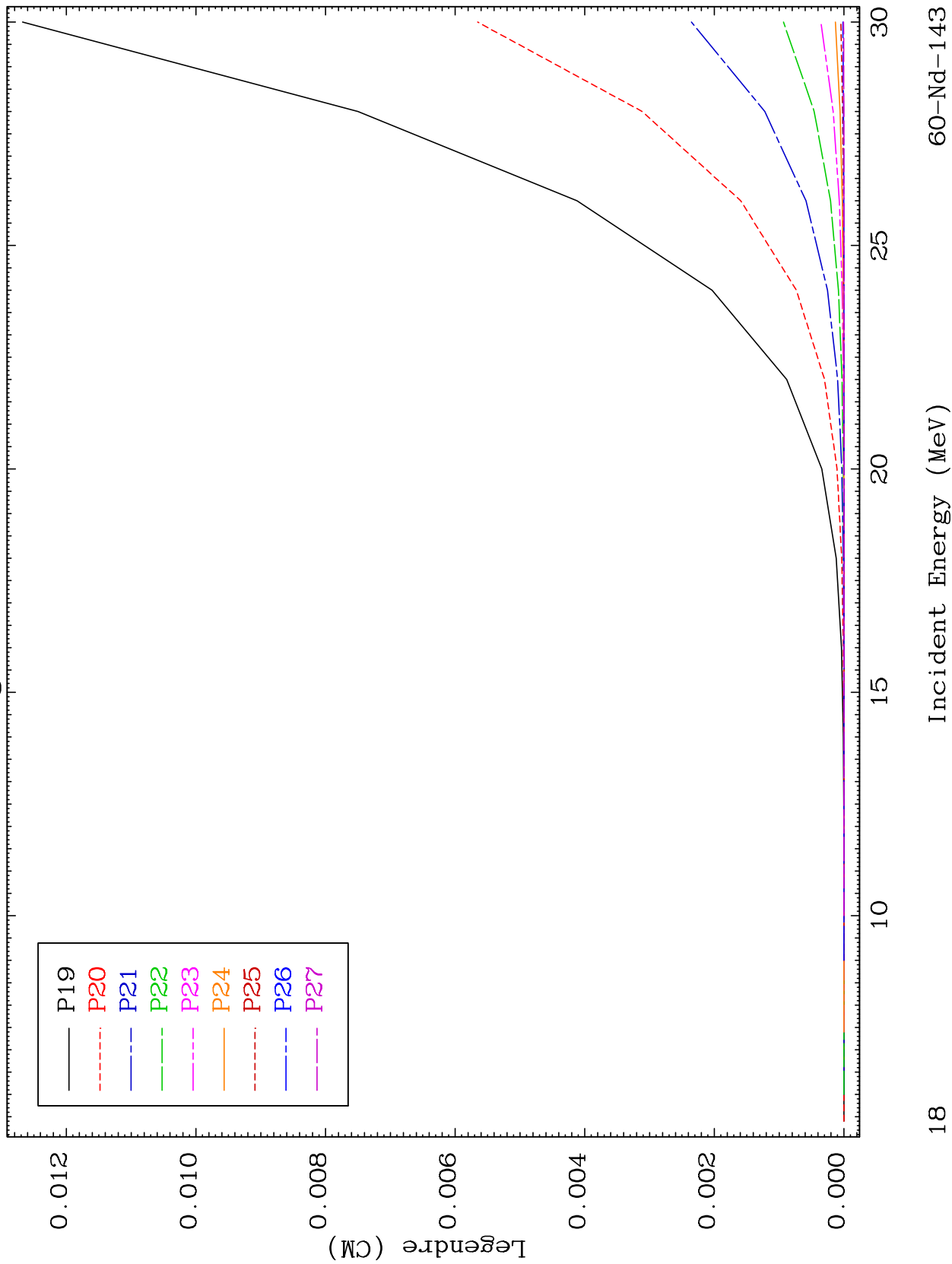
Incident Energy (MeV)

60-Nd-143

MAT 6028

Elastic Legendre Coefficients

60-Nd-143



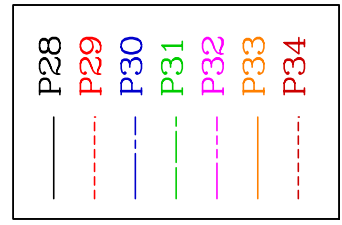
18

60-Nd-143

MAT 6028

Elastic
Legendre Coefficients

60-Nd-143



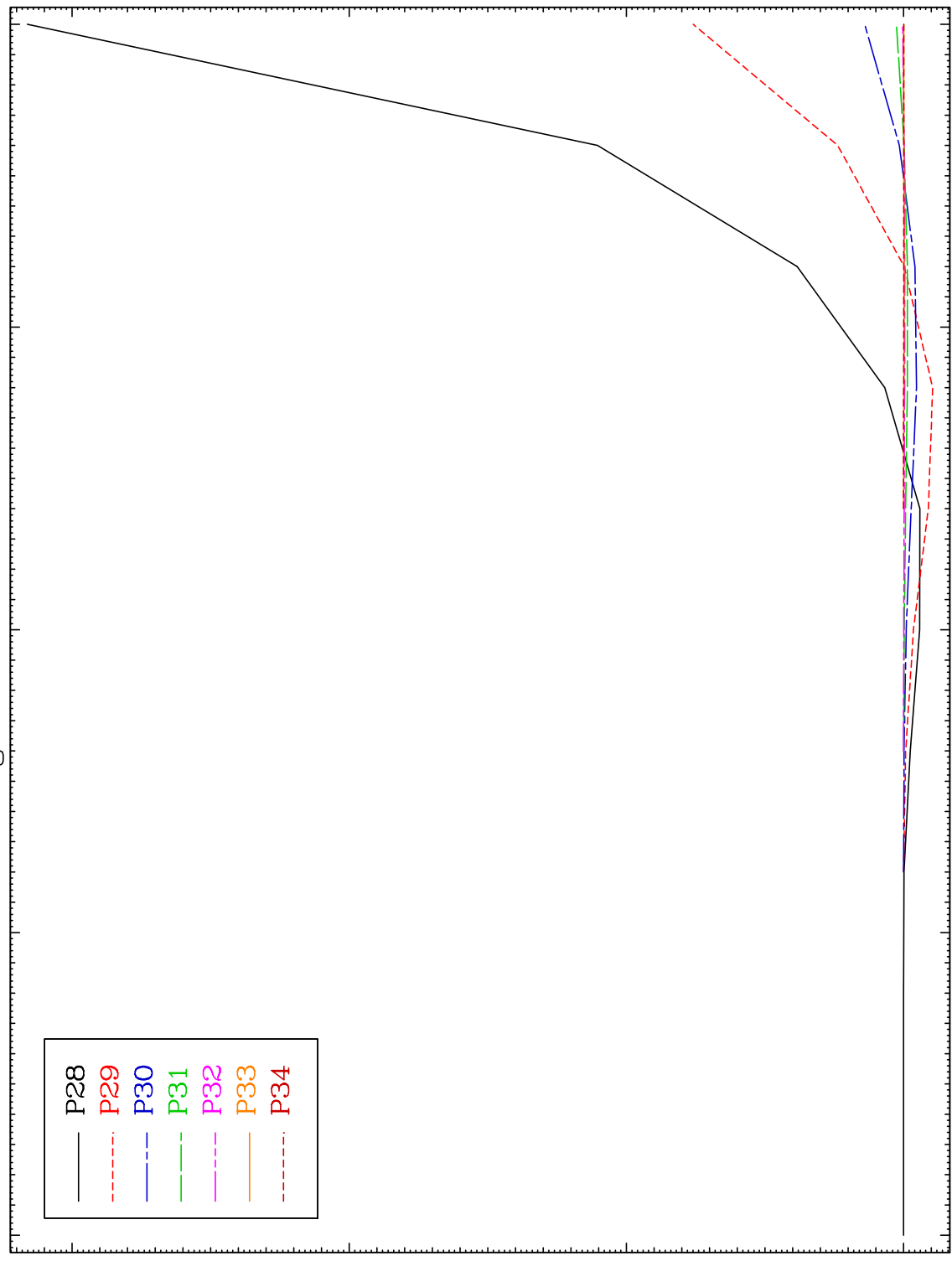
$\times 10^{-6}$

Legendre (CM)
1.0
0.5
0.0

10 15 20 25 30

Incident Energy (MeV)

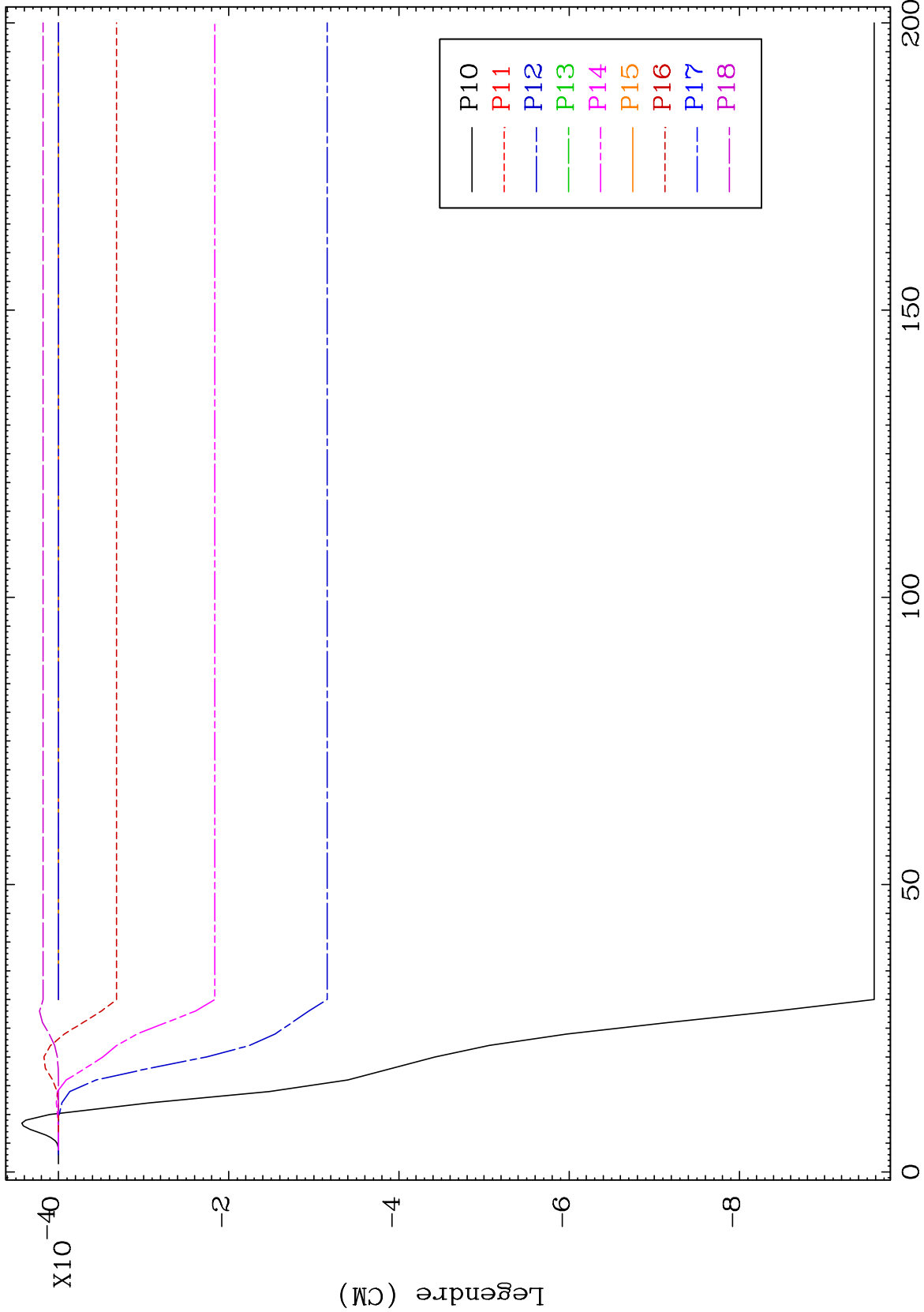
60-Nd-143



MAT 6028

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

60-Nd-143



21

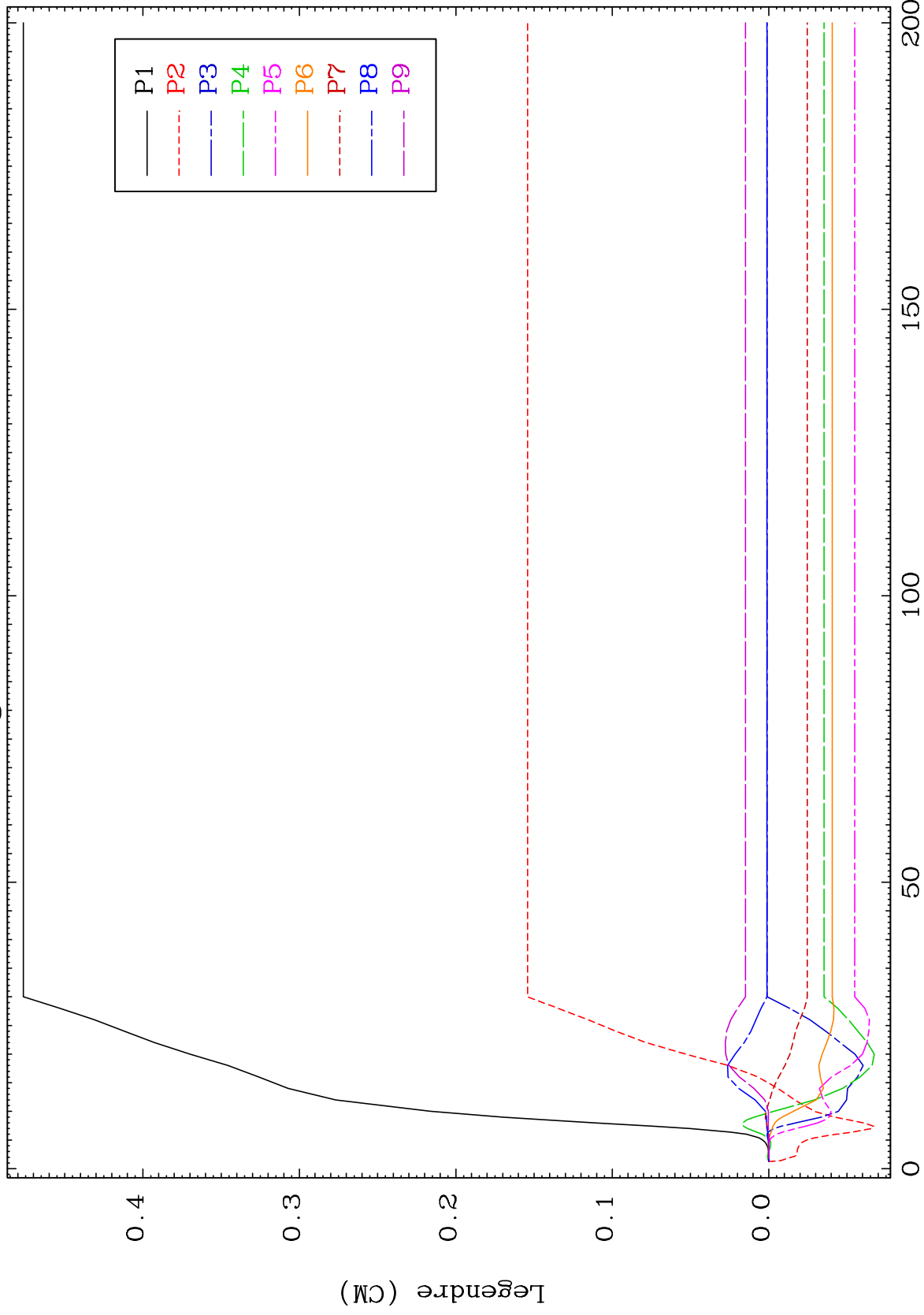
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



23

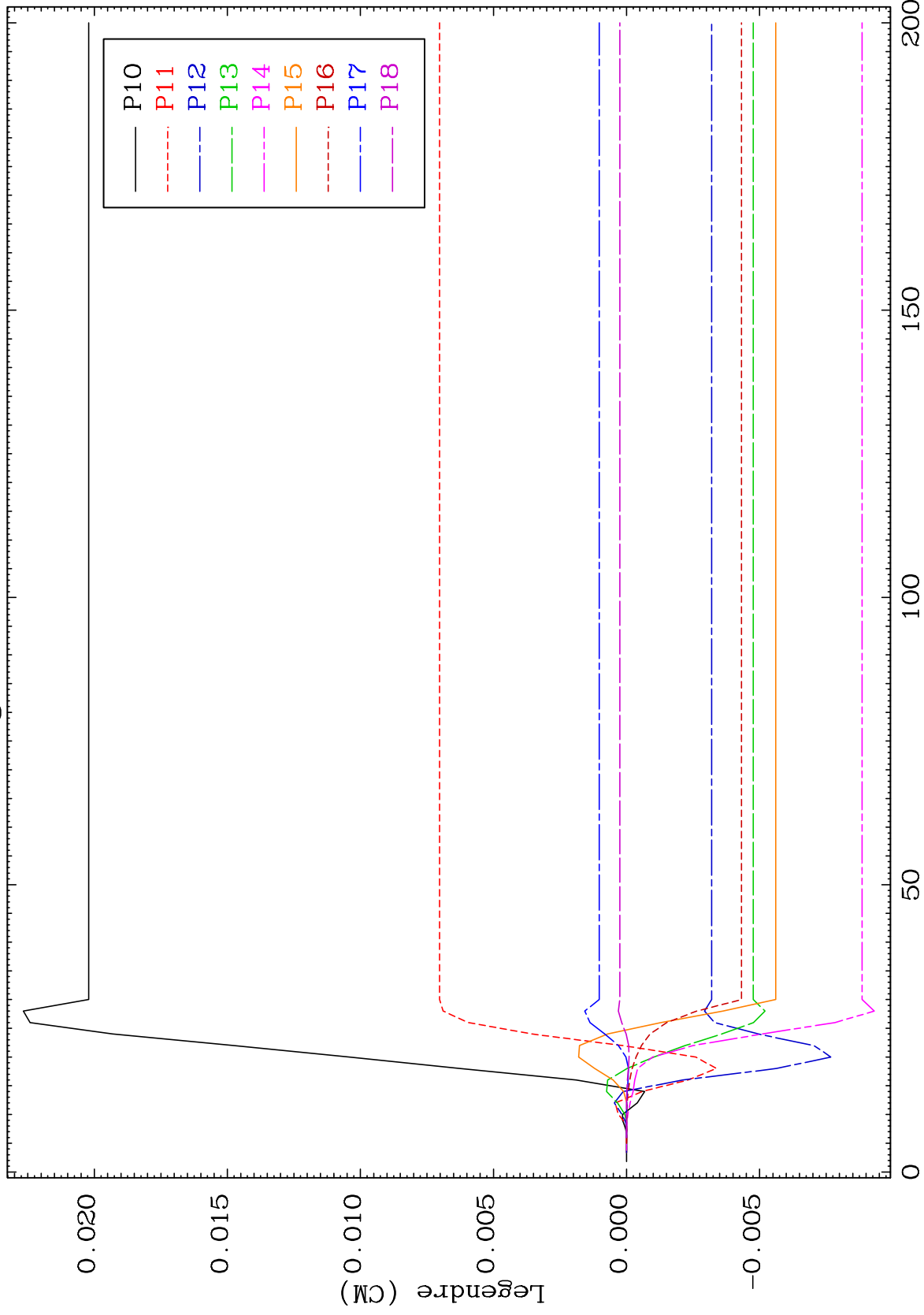
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



24

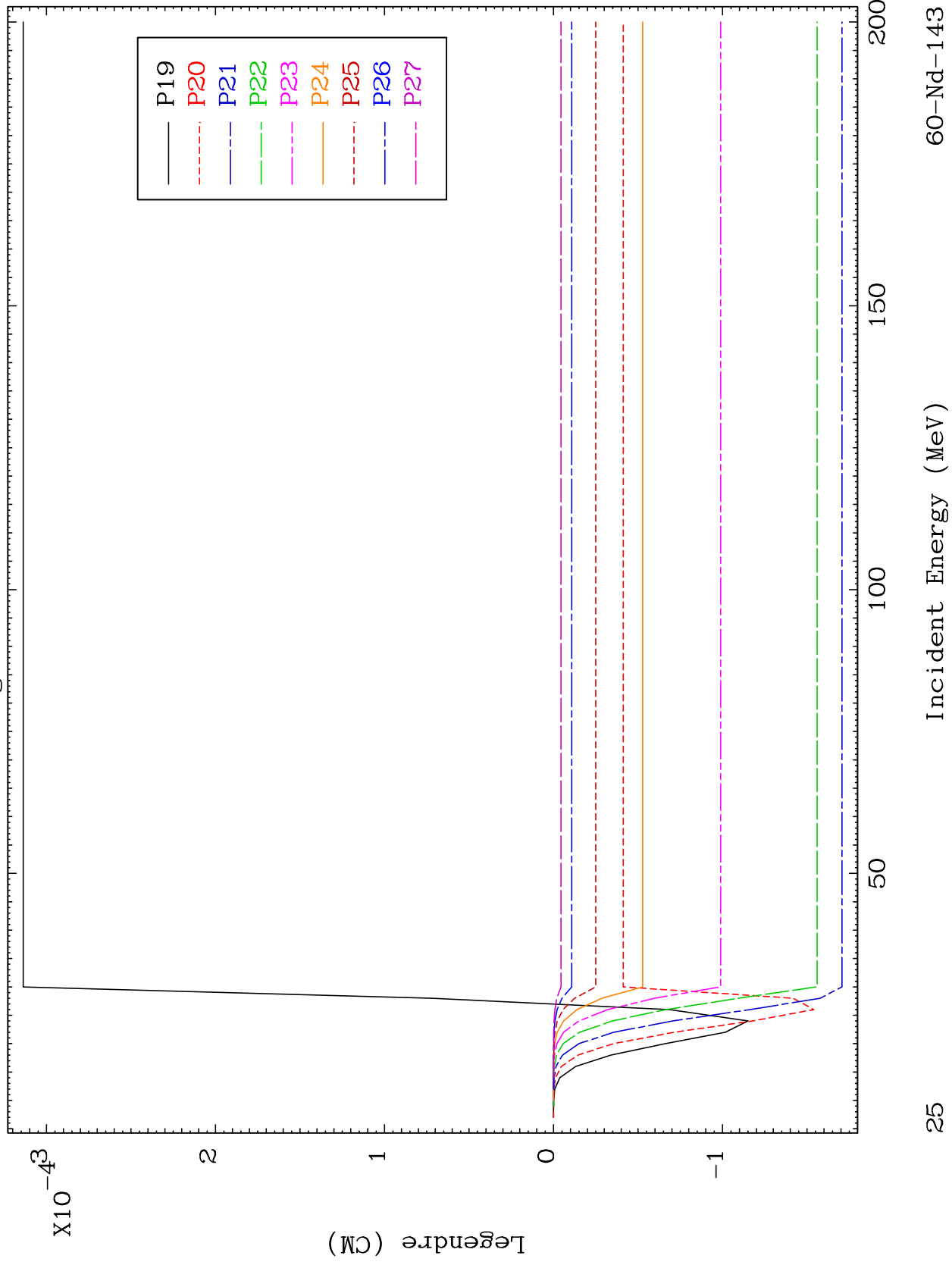
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

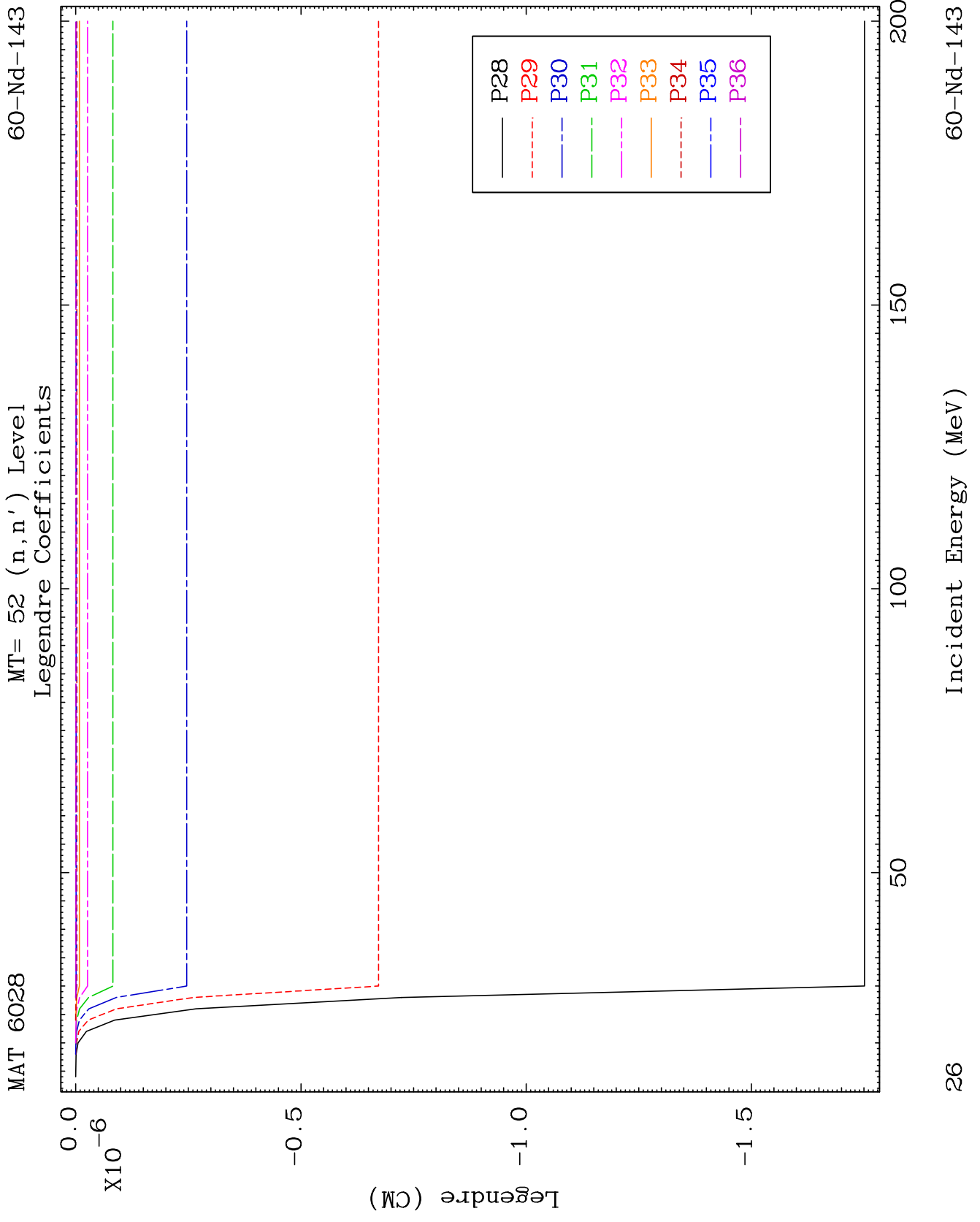
60-Nd-143



25

Incident Energy (MeV)

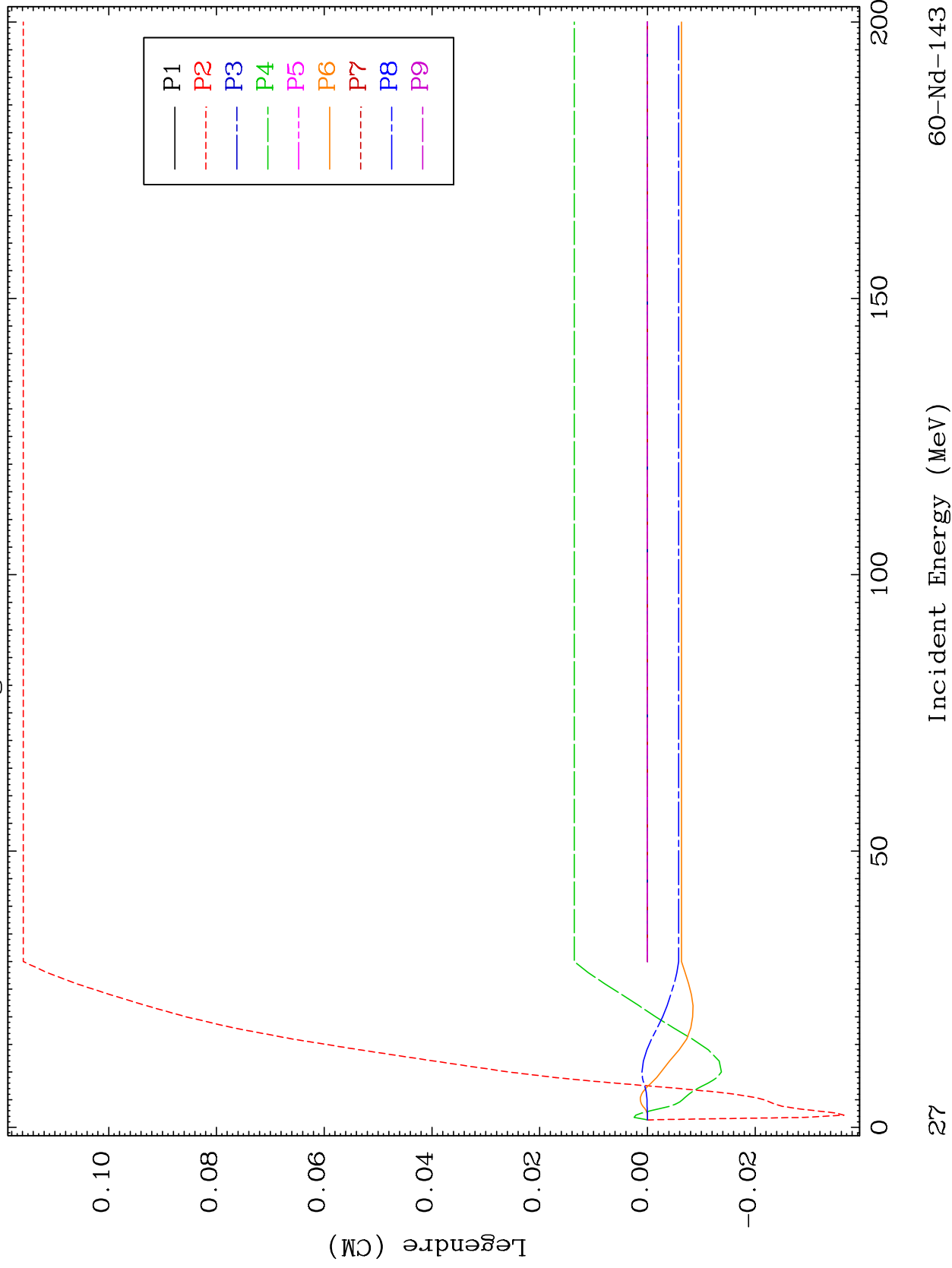
60-Nd-143



MAT 6028

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

60-Nd-143



60-Nd-143

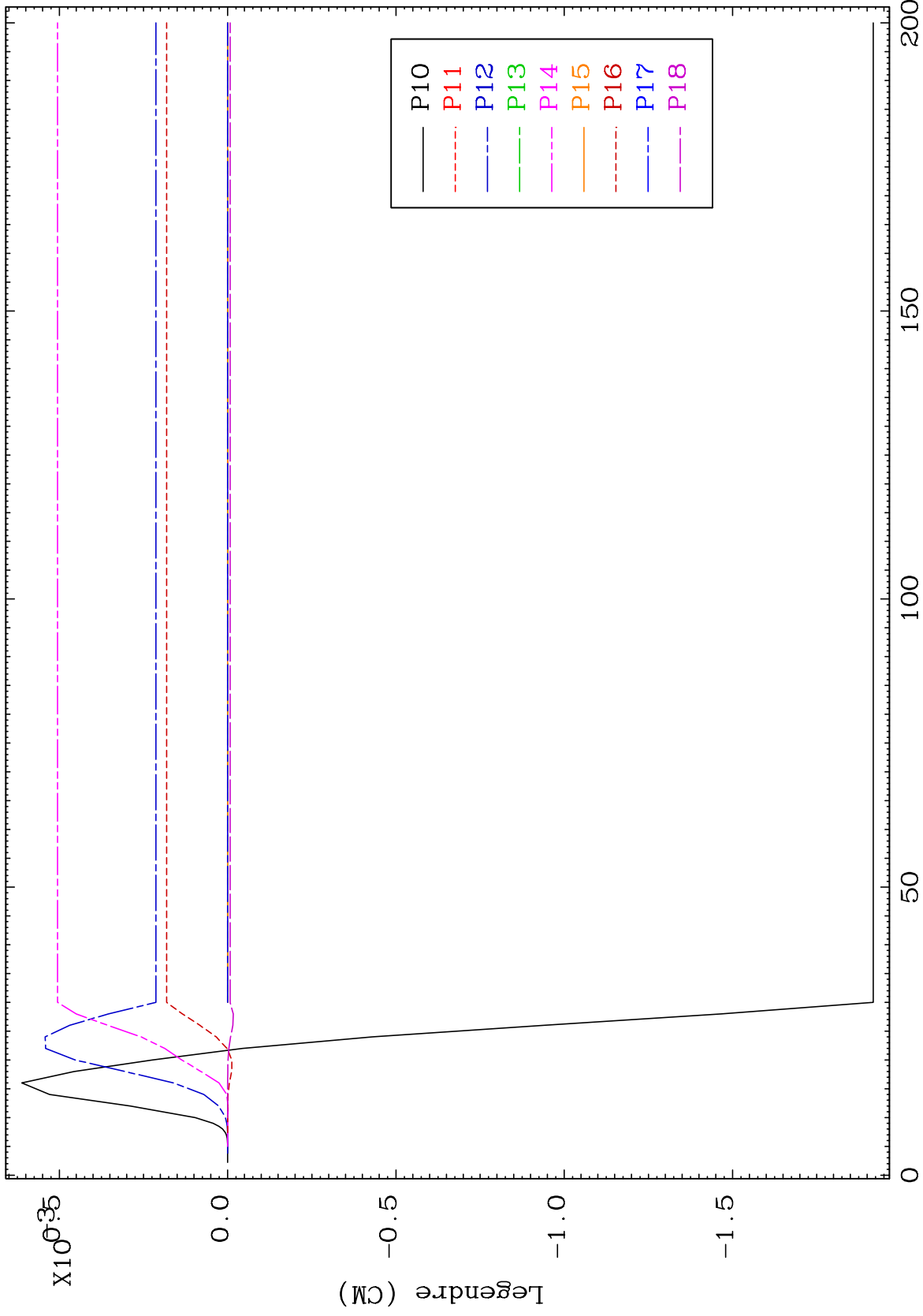
Incident Energy (MeV)

27

MAT 6028

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

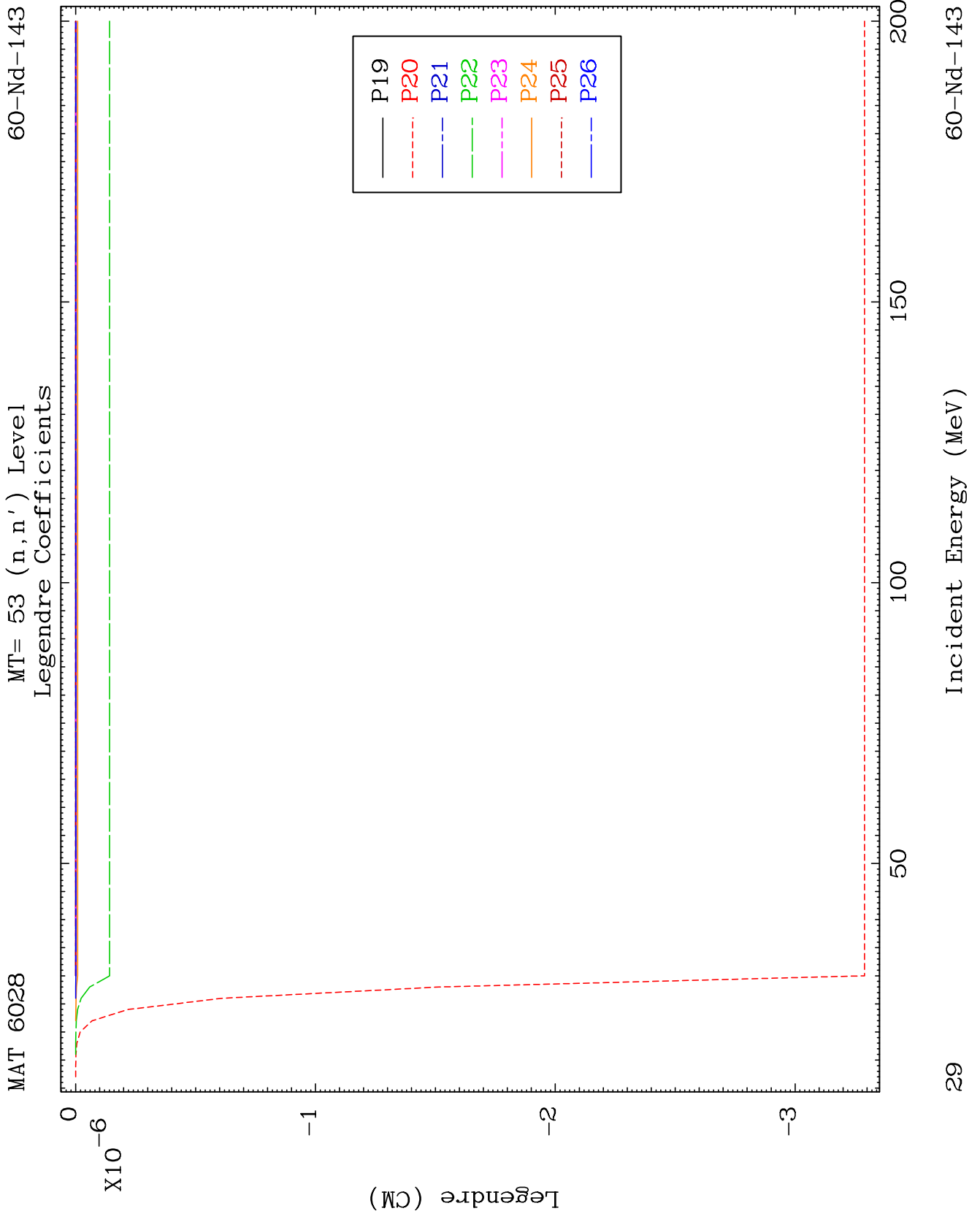
60-Nd-143



28

Incident Energy (MeV)

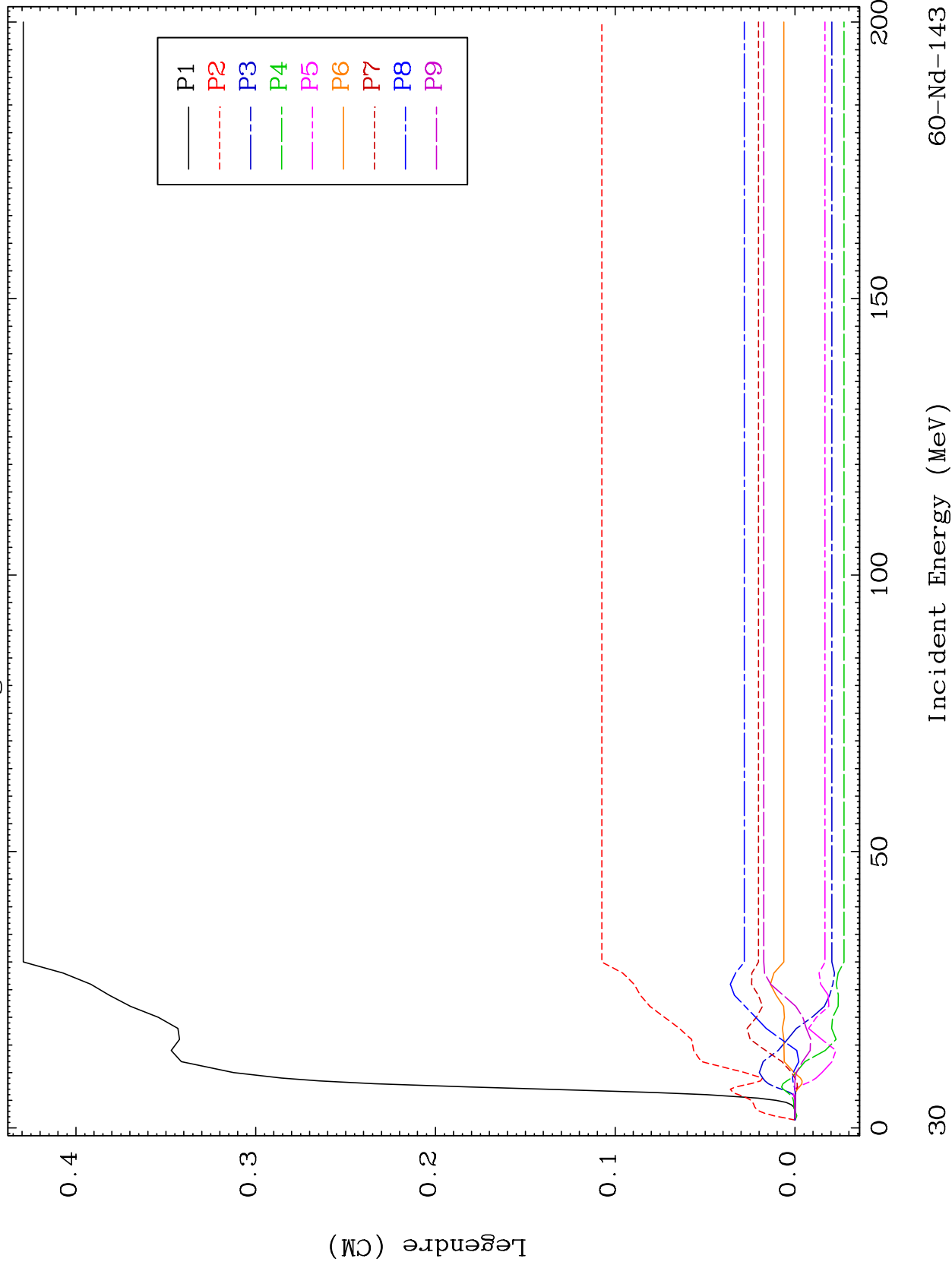
60-Nd-143



MAT 6028

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

60-Nd-143



60-Nd-143

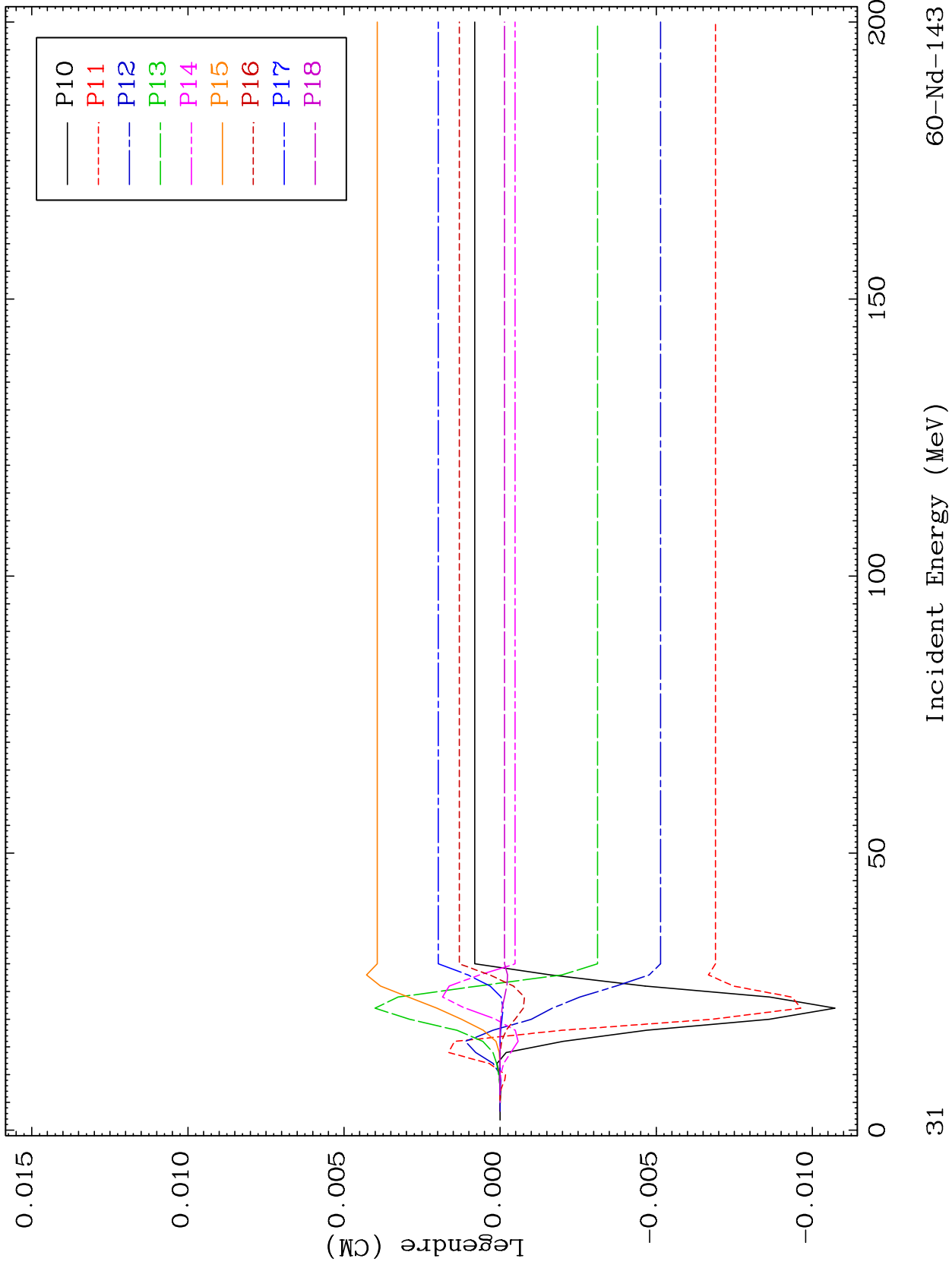
Incident Energy (MeV)

30

MAT 6028

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

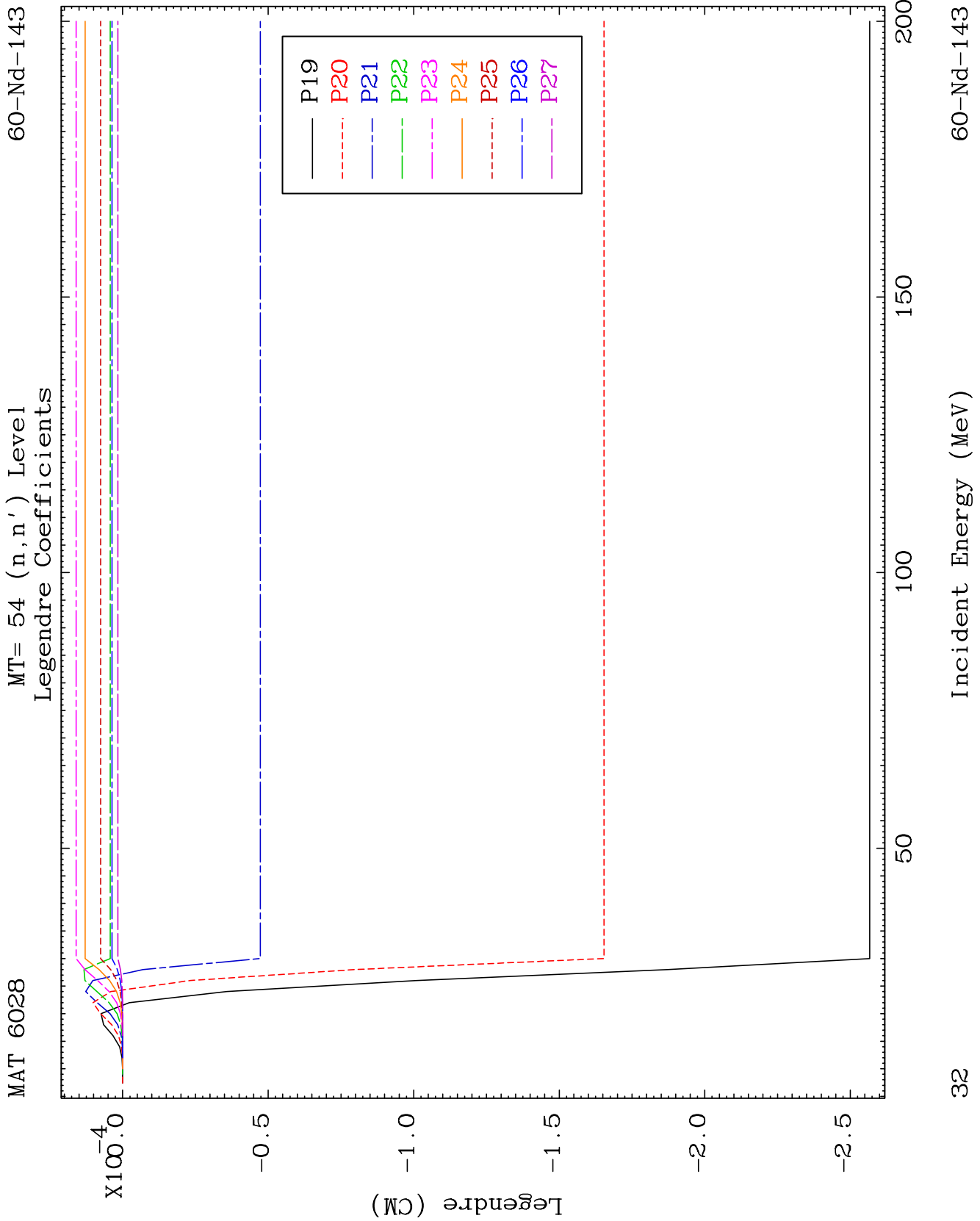
60-Nd-143



31

Incident Energy (MeV)

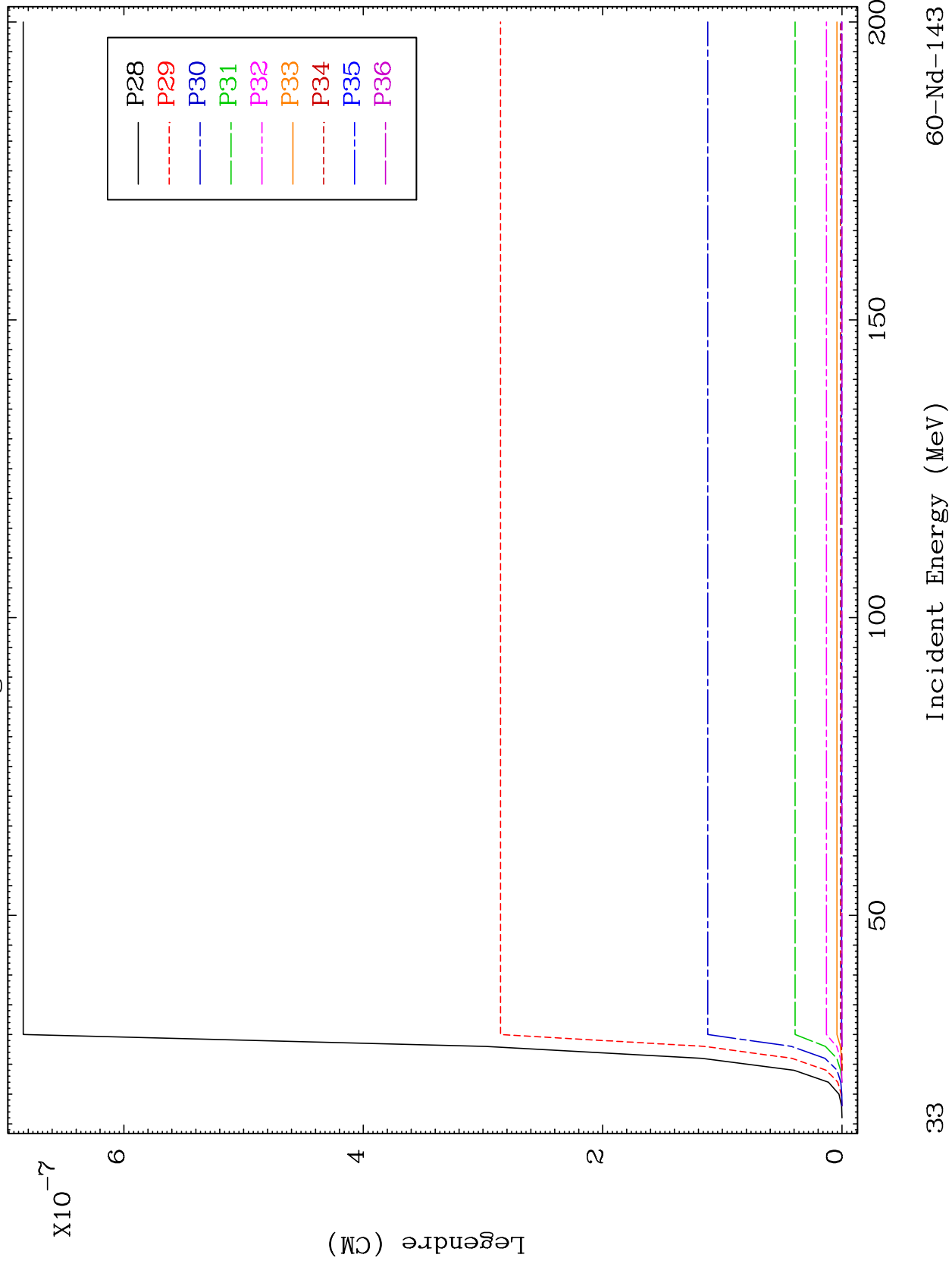
60-Nd-143

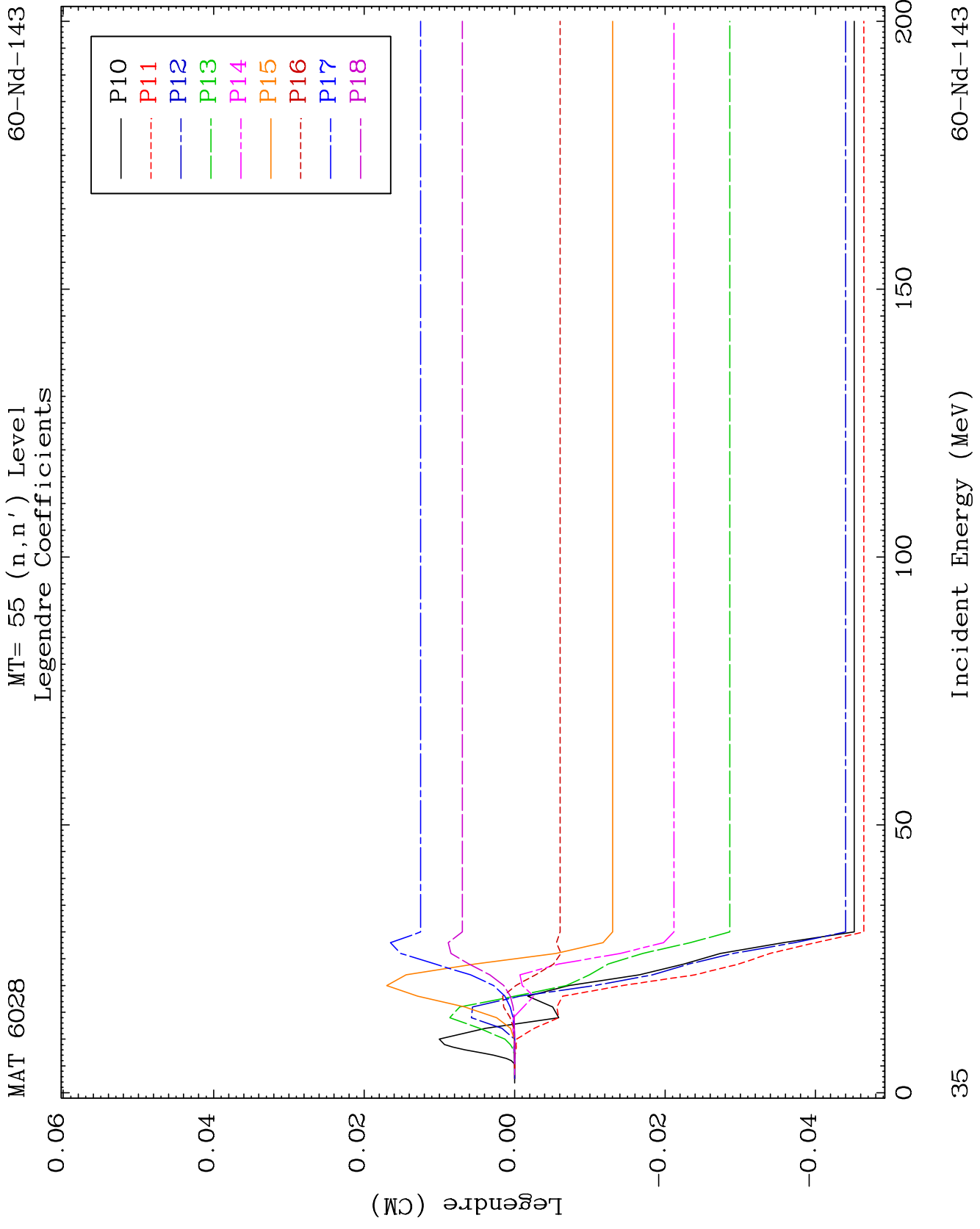


MAT 6028

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

60-Nd-143

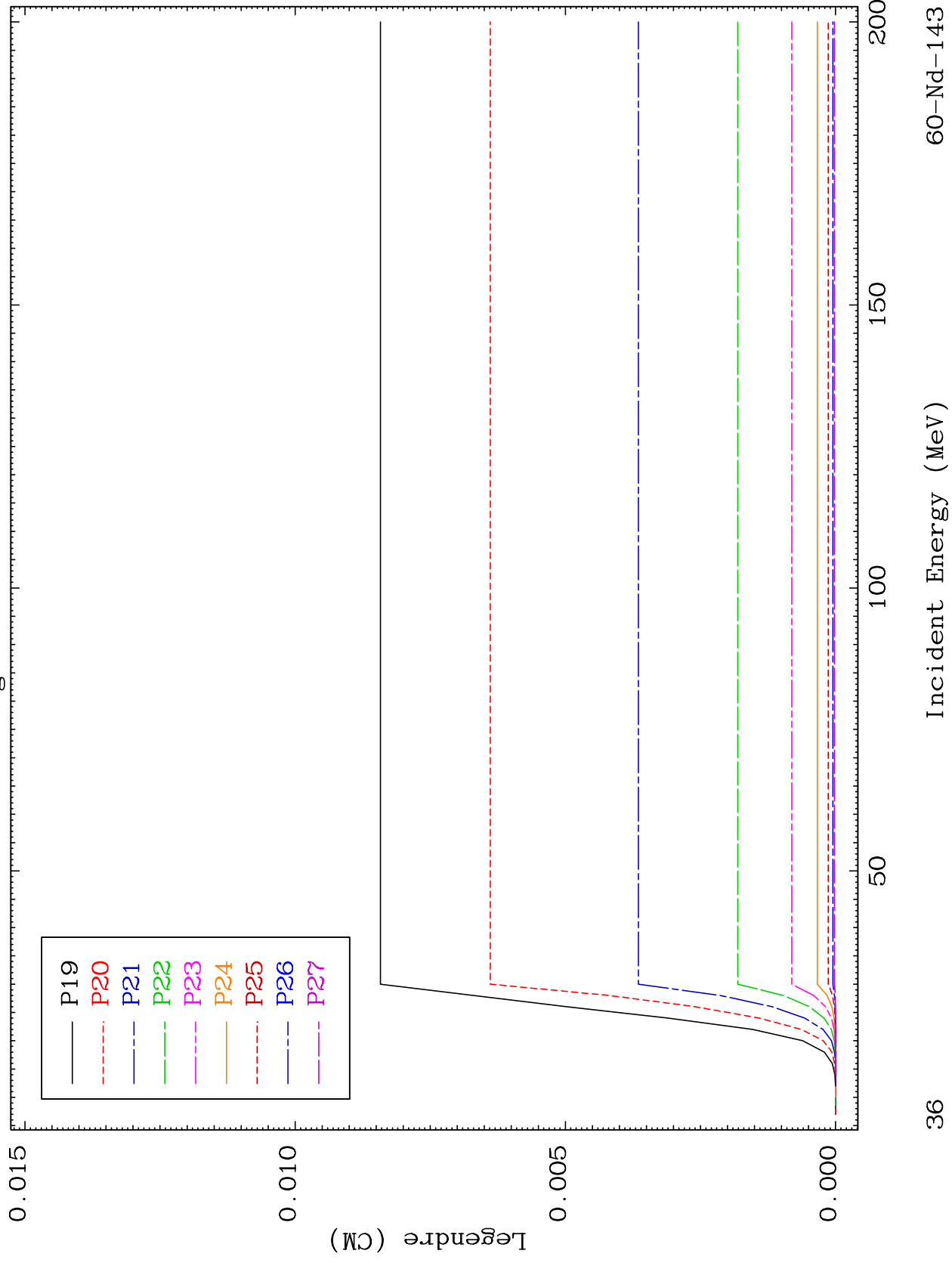




MAT 6028

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

60-Nd-143



36

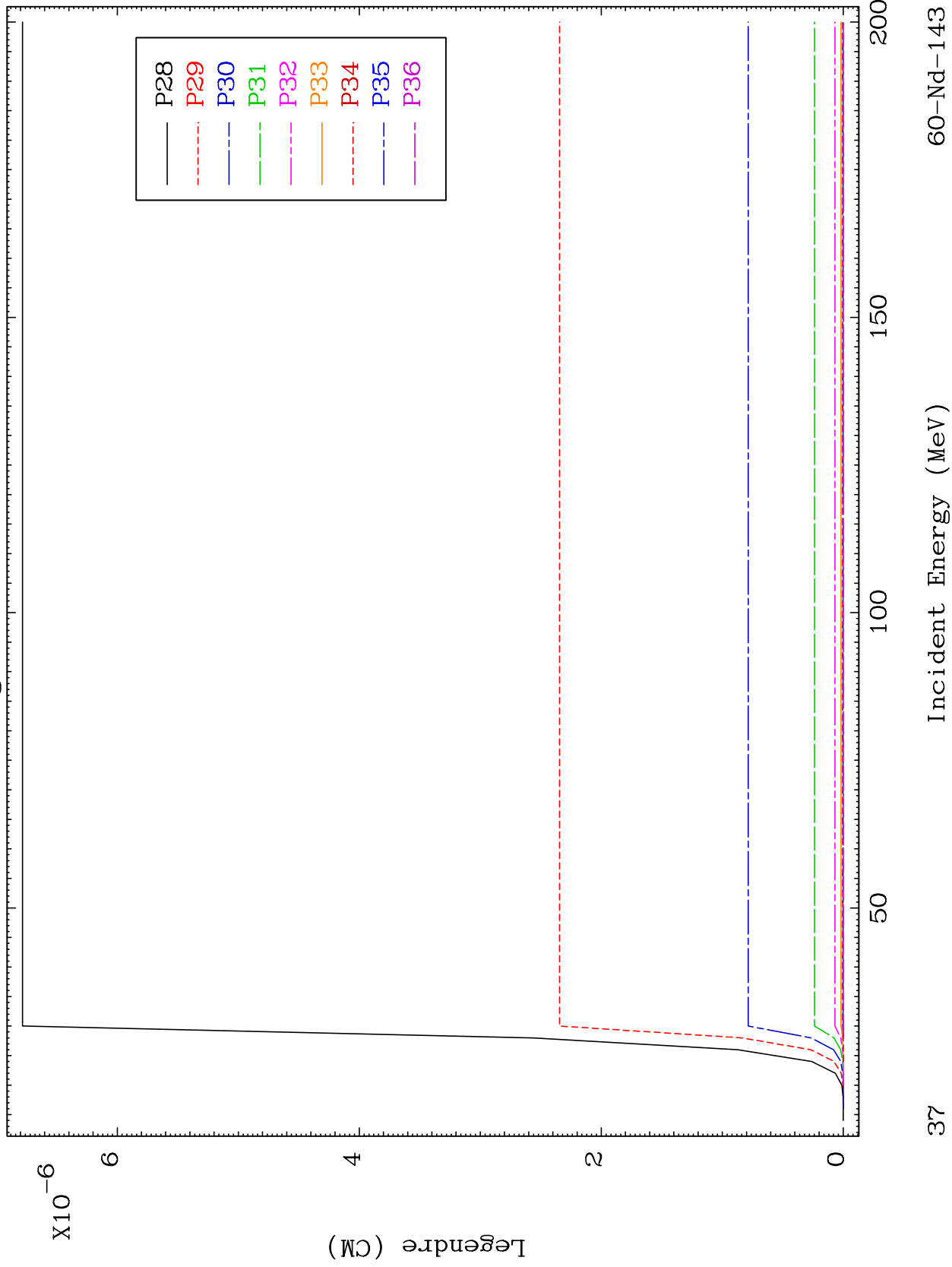
Incident Energy (MeV)

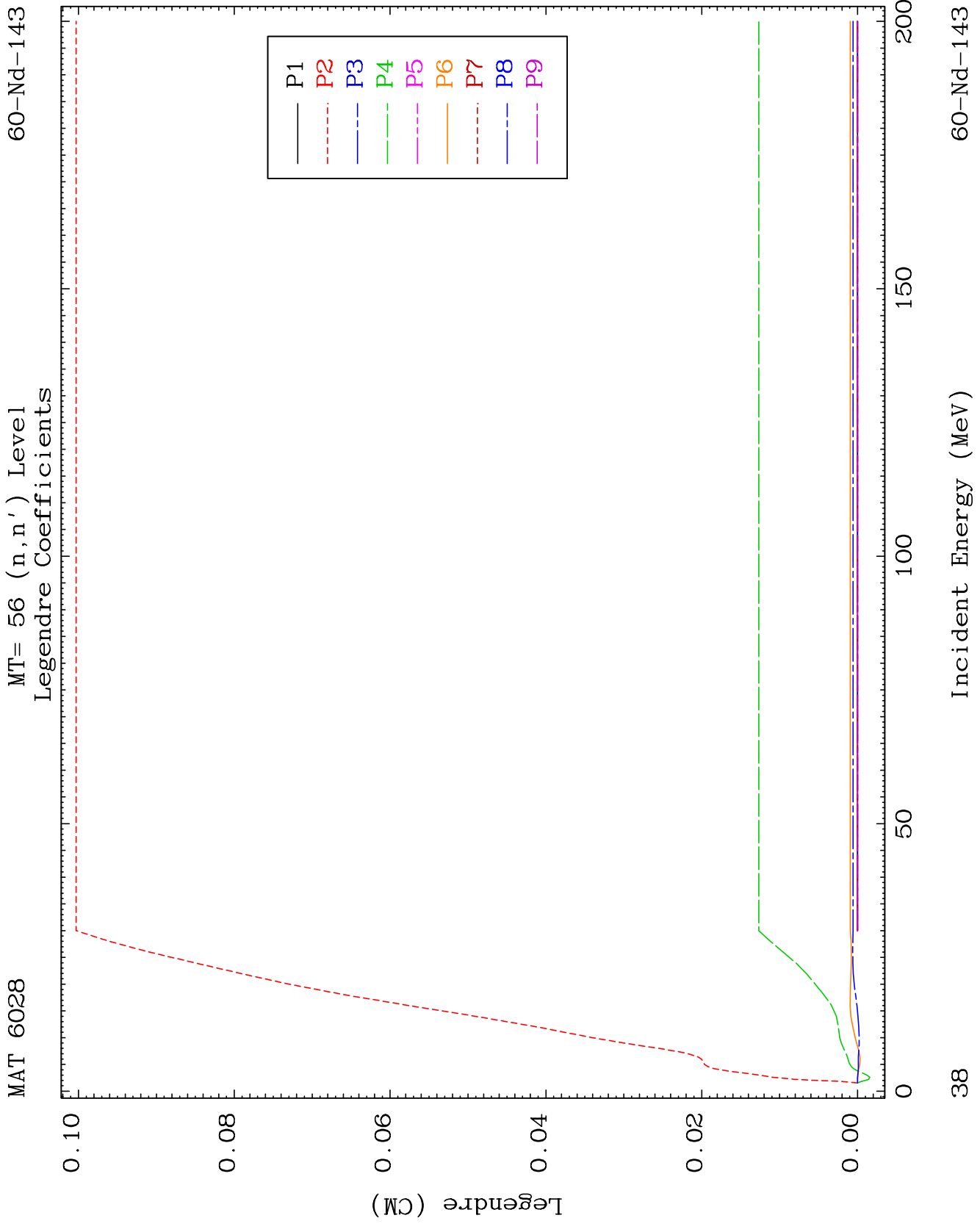
60-Nd-143

MAT 6028

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

60-Nd-143

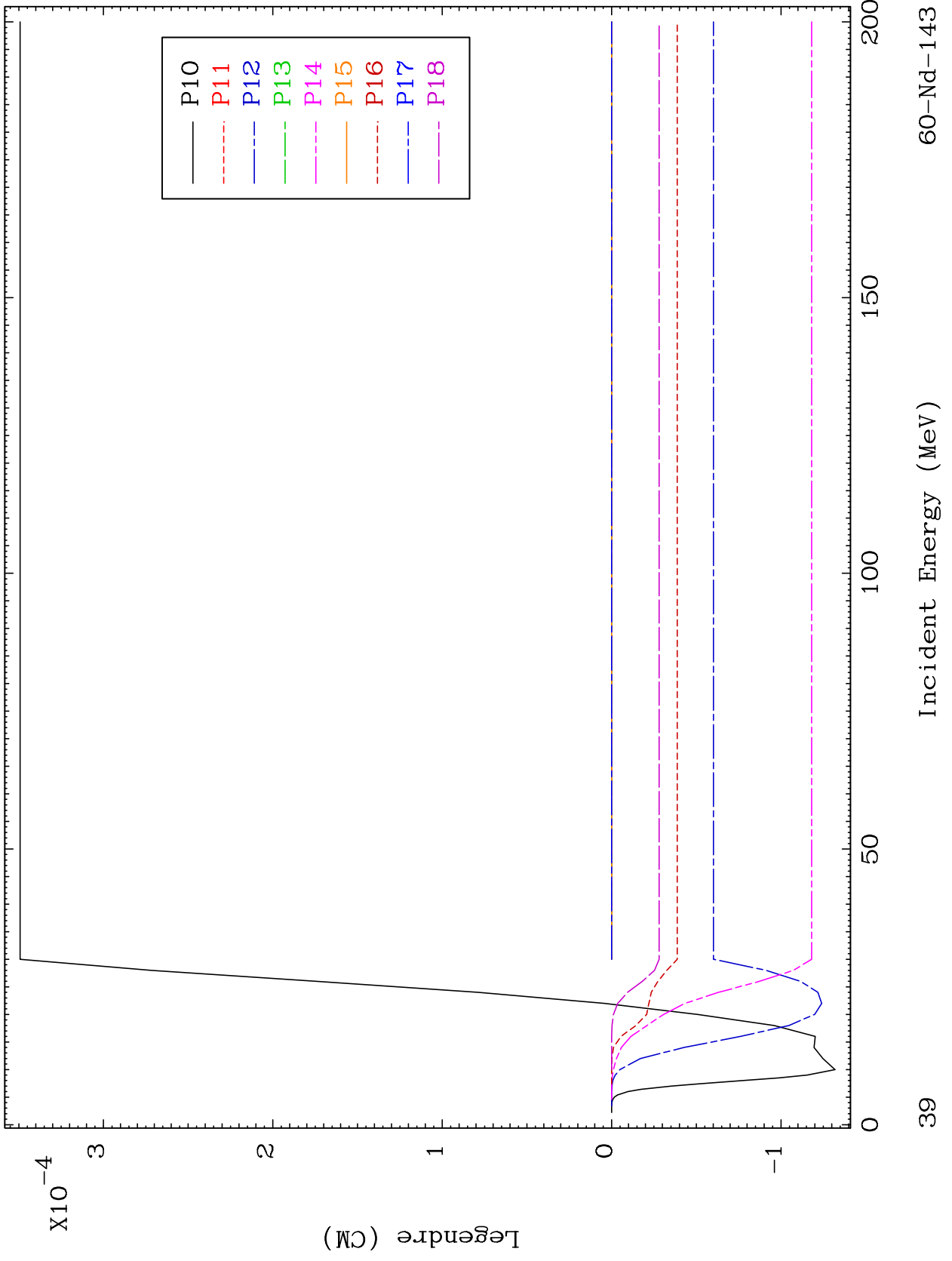




MAT 6028

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

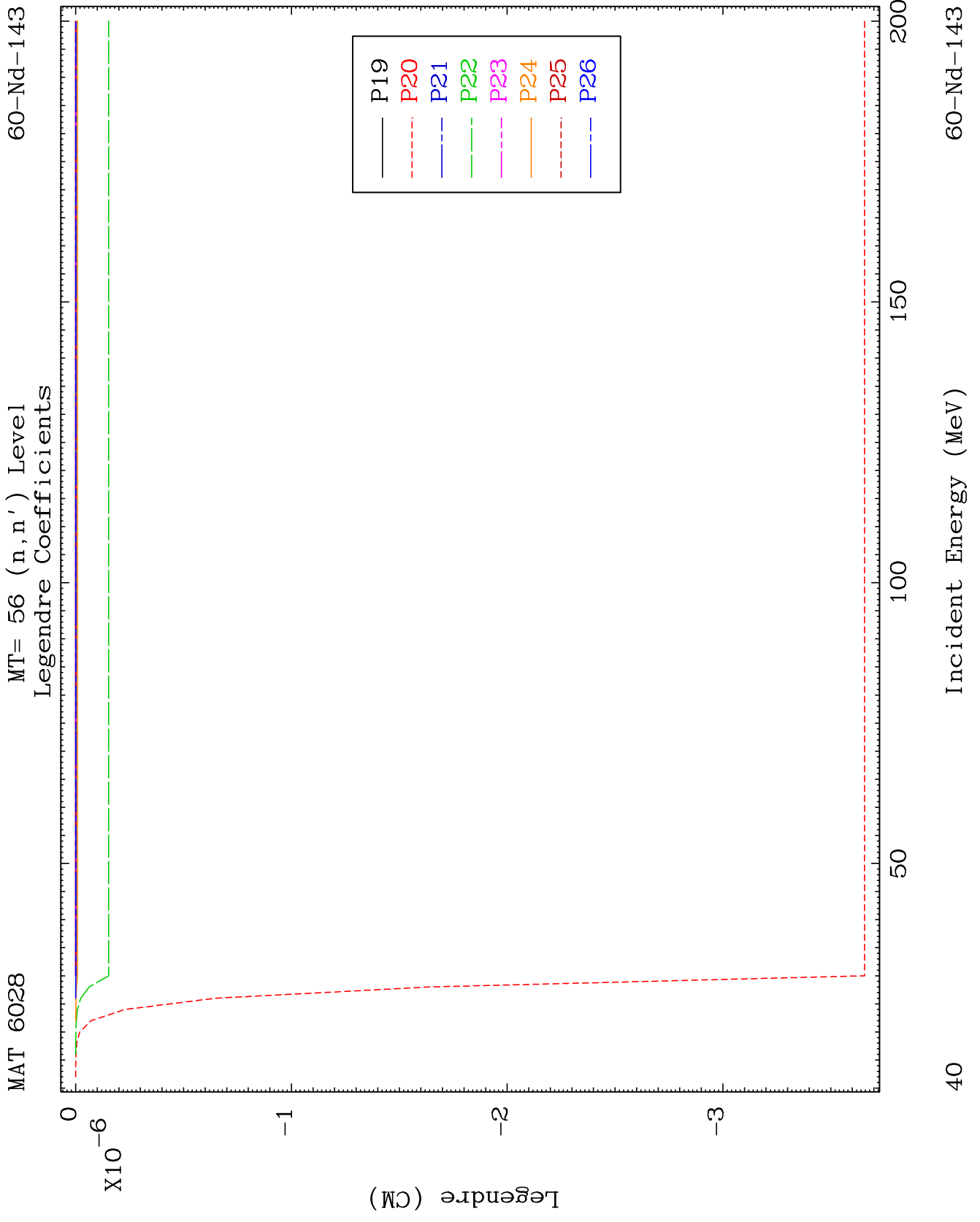
60-Nd-143

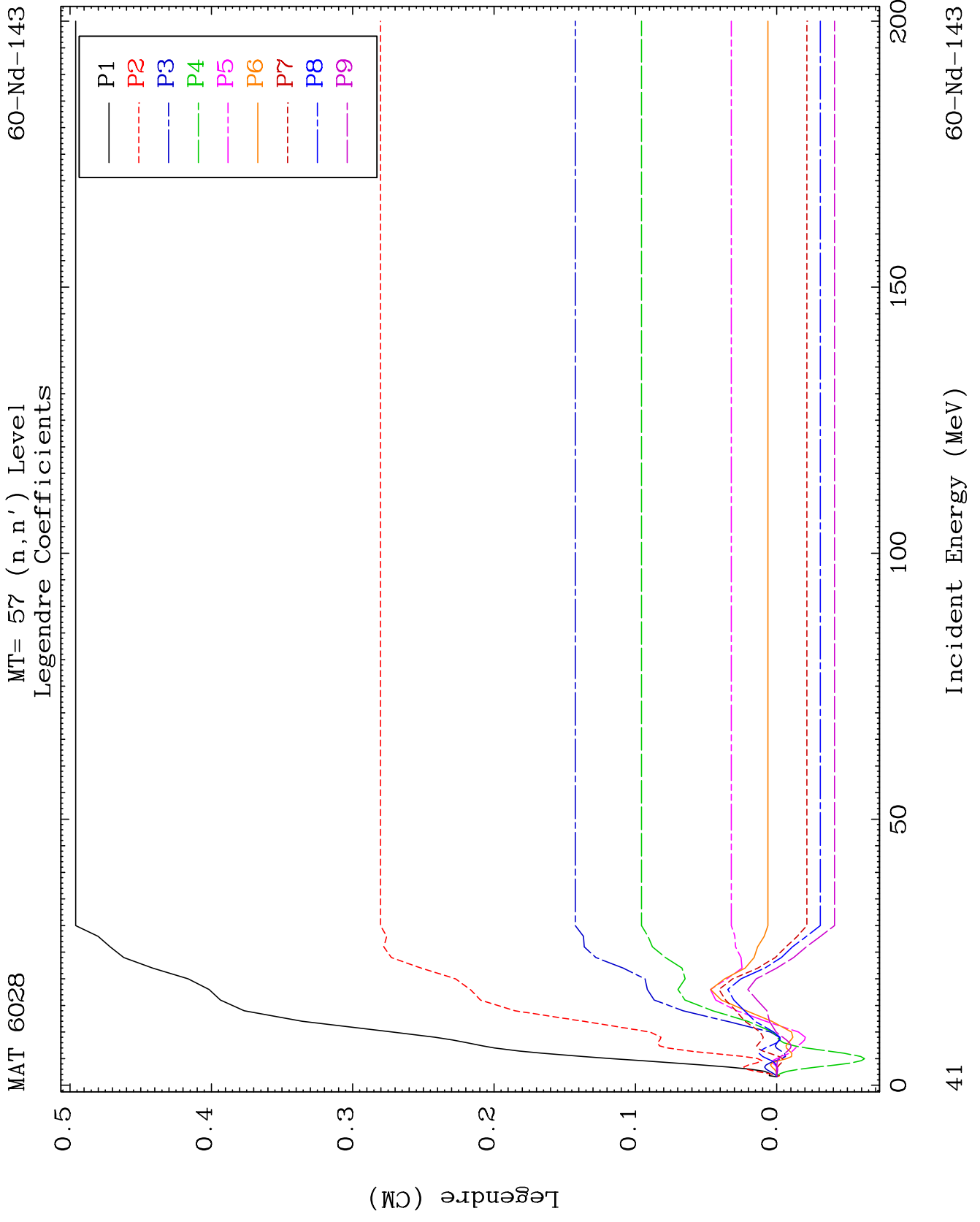


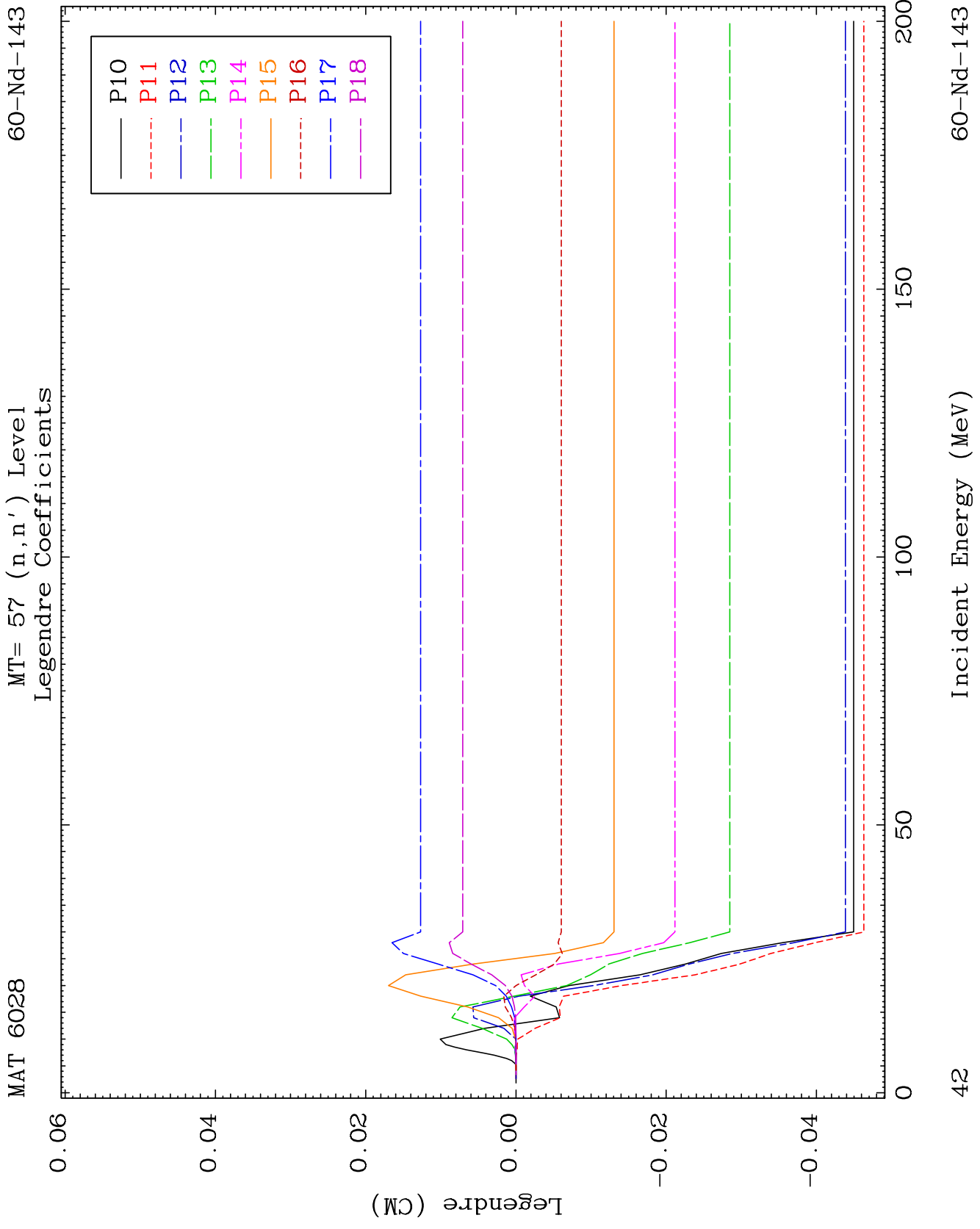
60-Nd-143

Incident Energy (MeV)

39



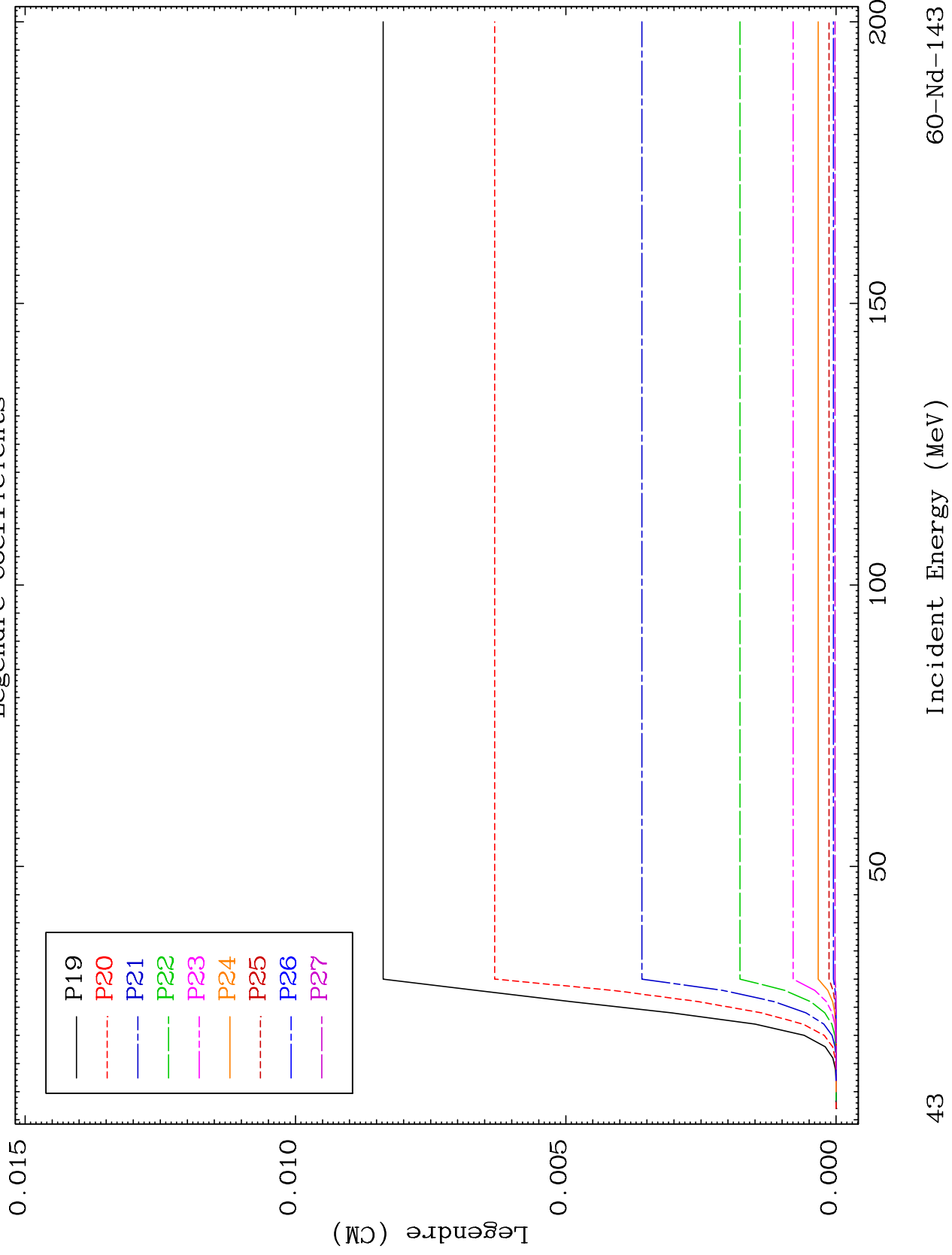




MAT 6028

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

60-Nd-143



43

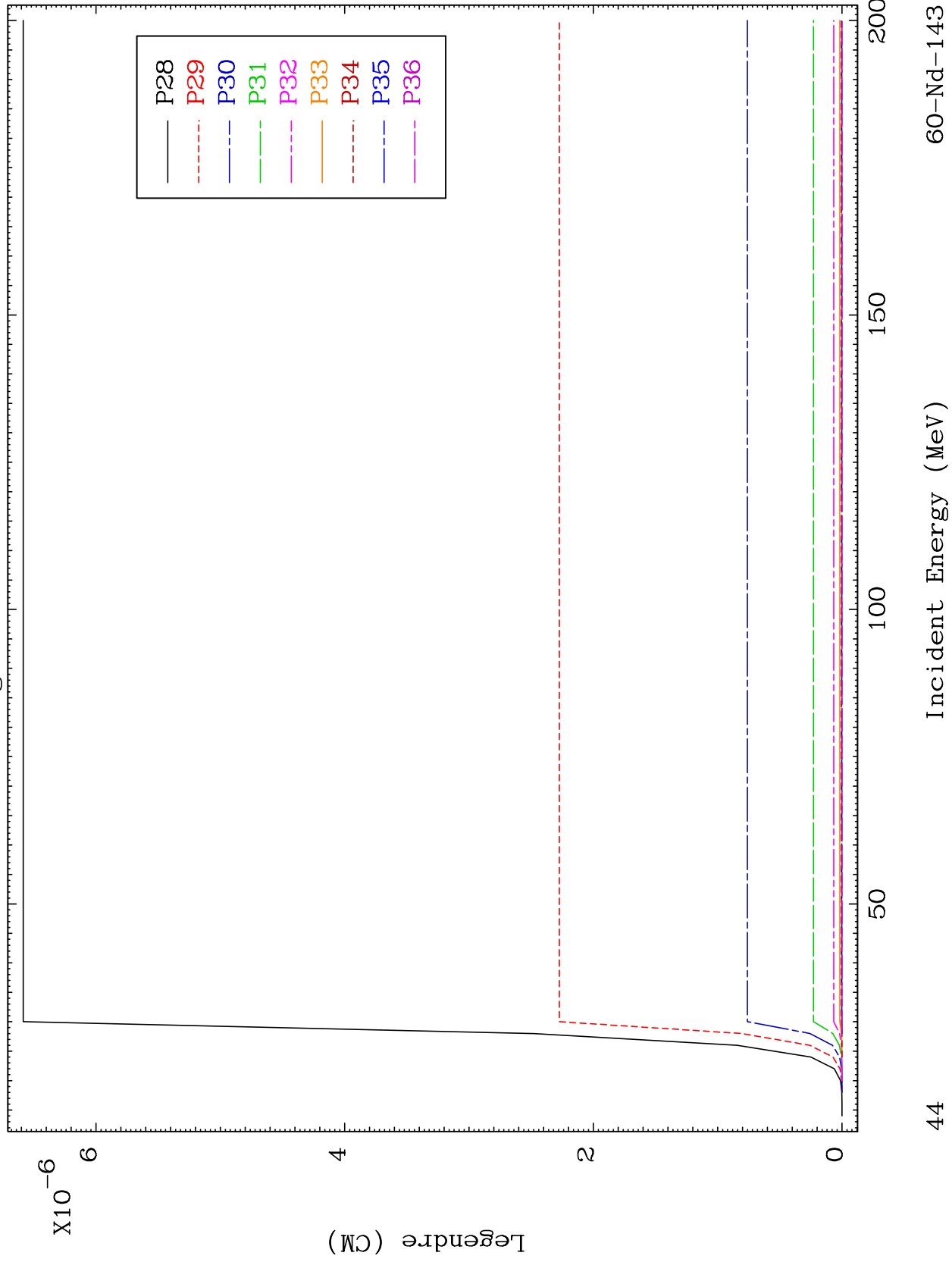
Incident Energy (MeV)

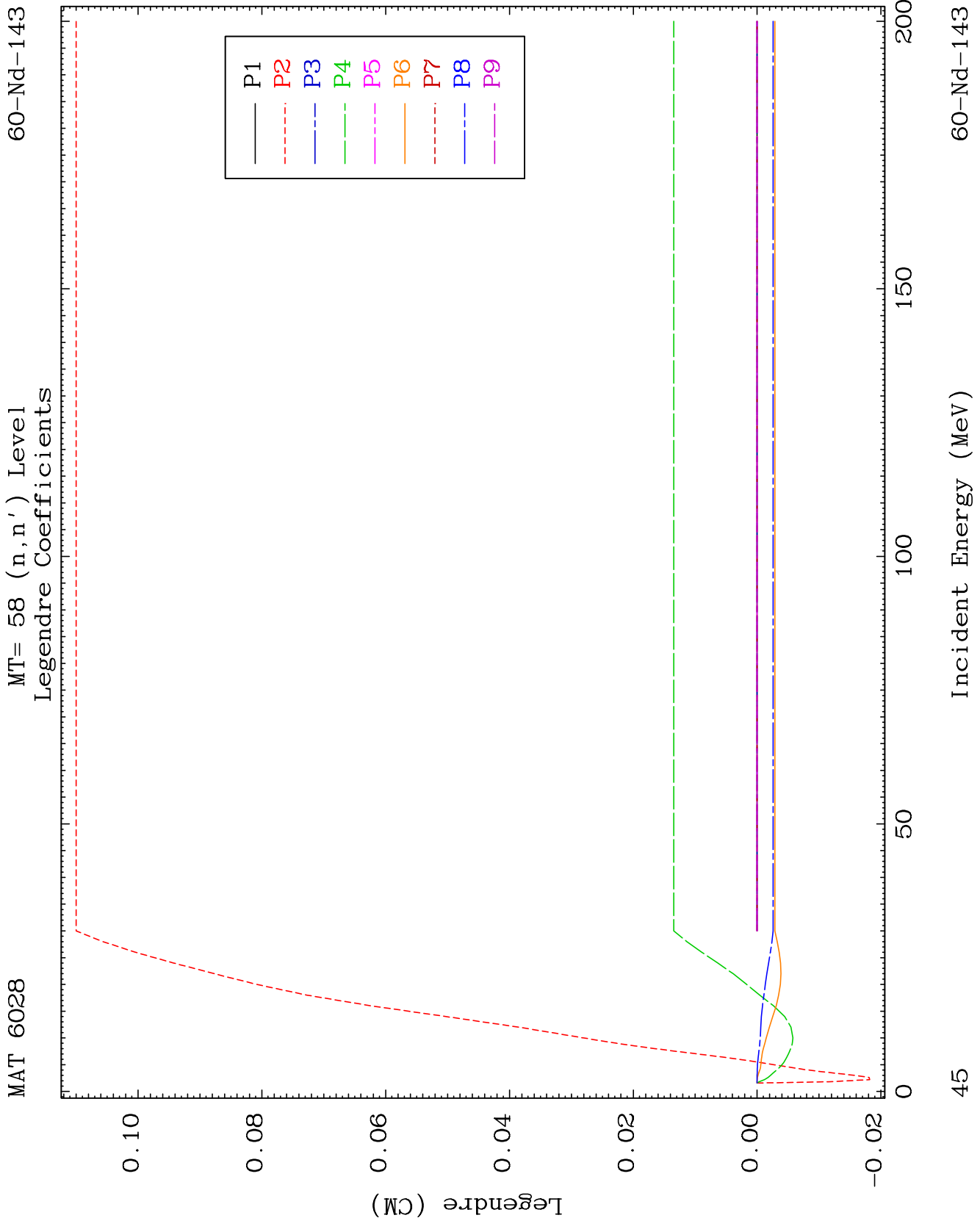
60-Nd-143

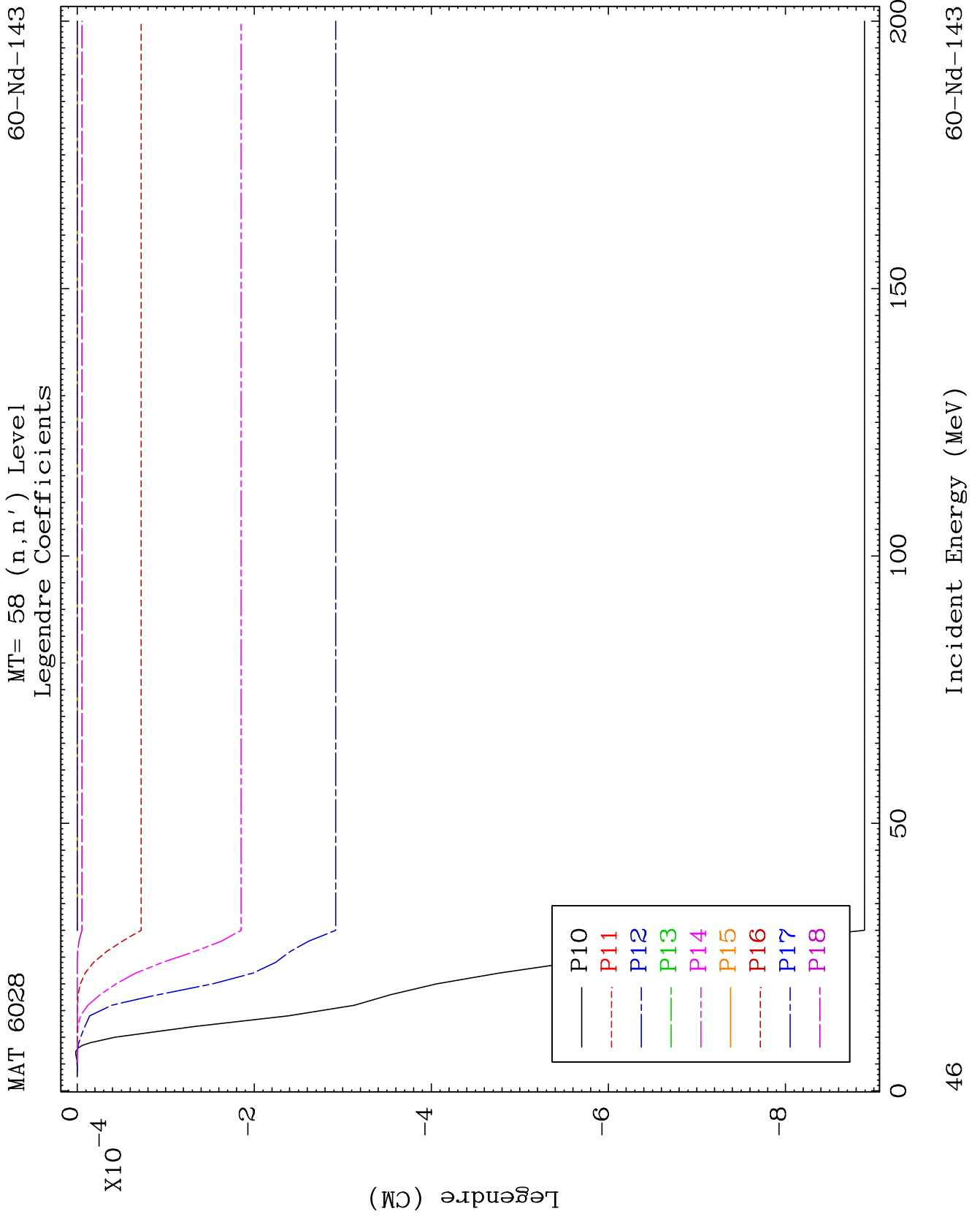
MAT 6028

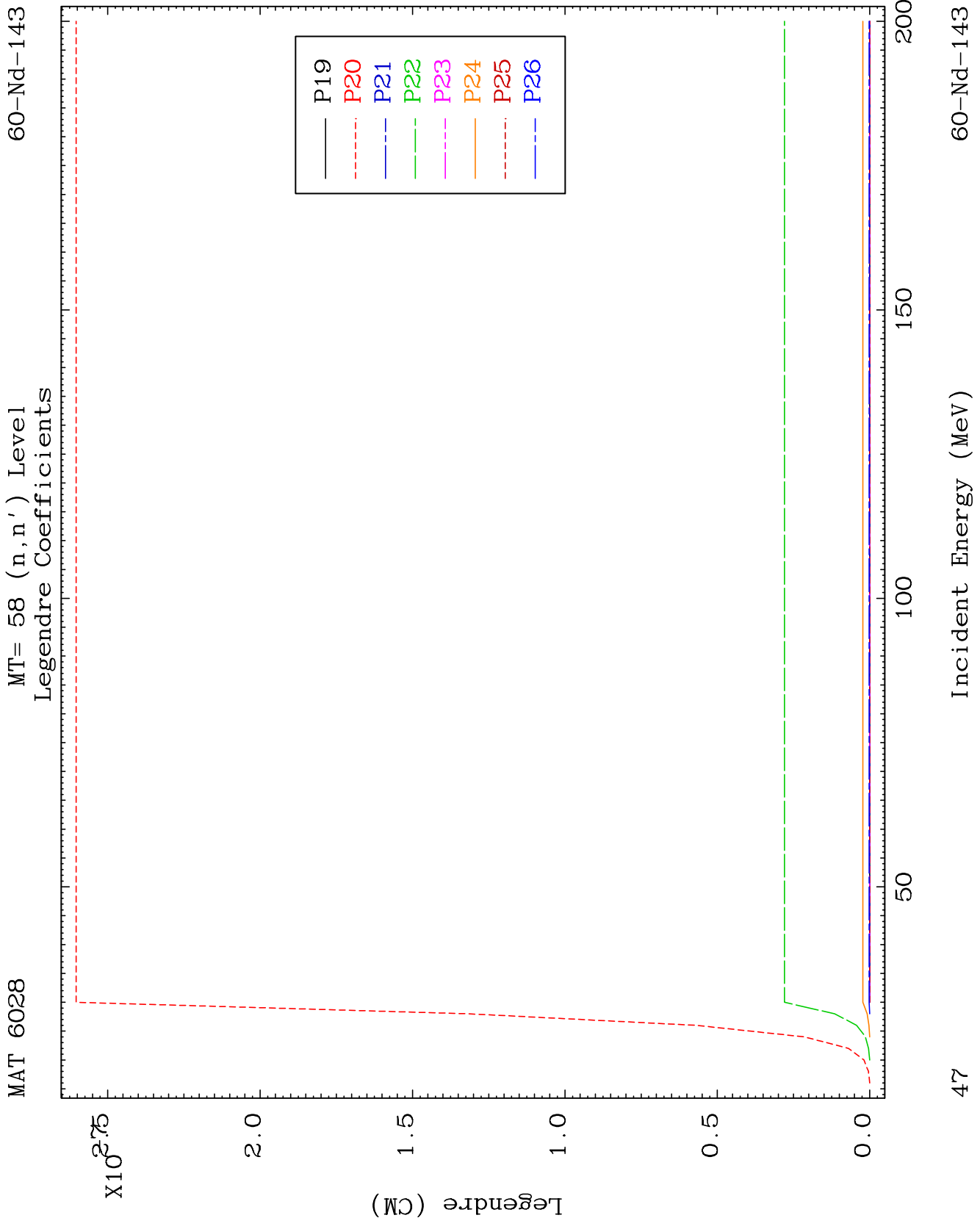
MT= 57 (n,n') Level
Legendre Coefficients

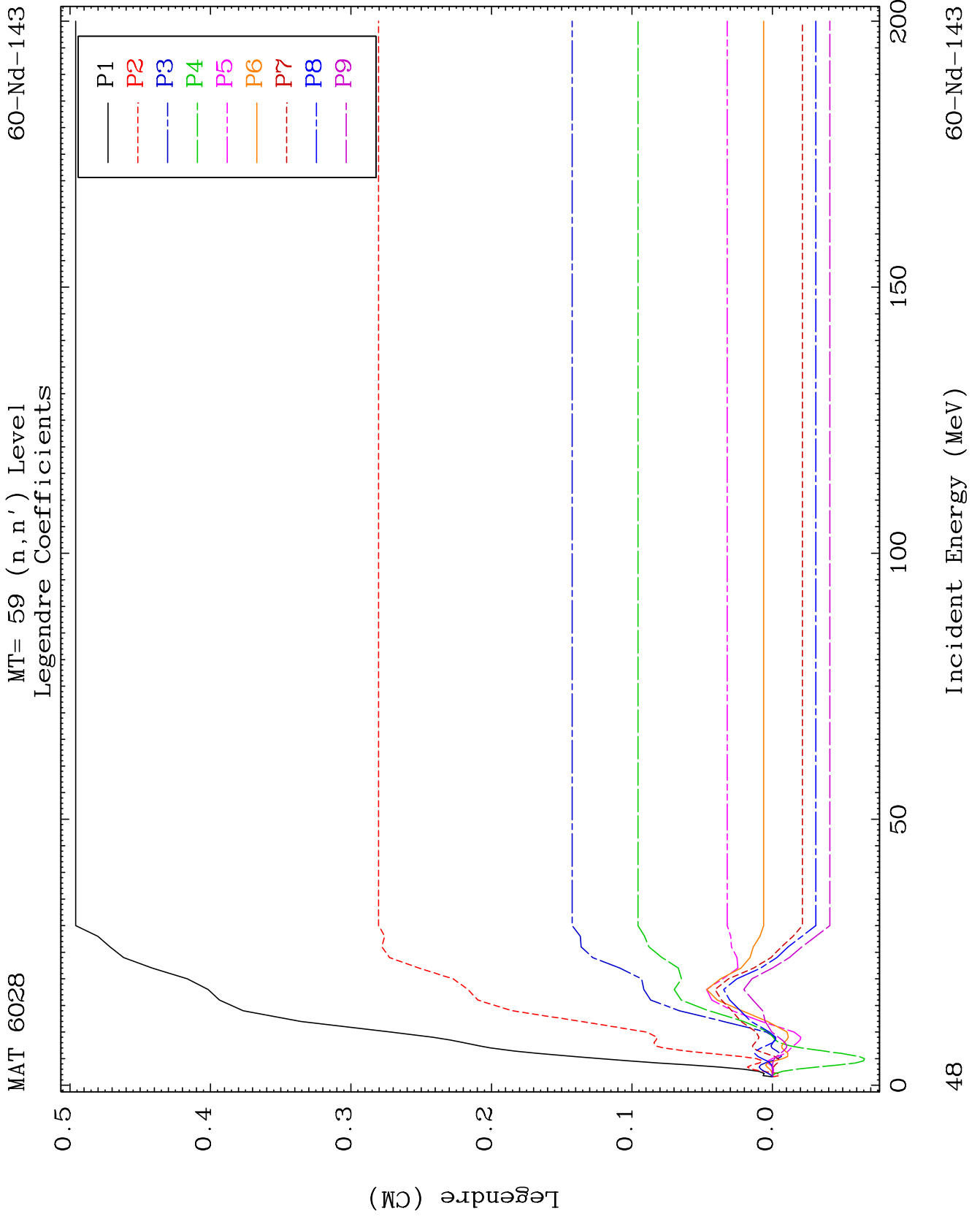
60-Nd-143

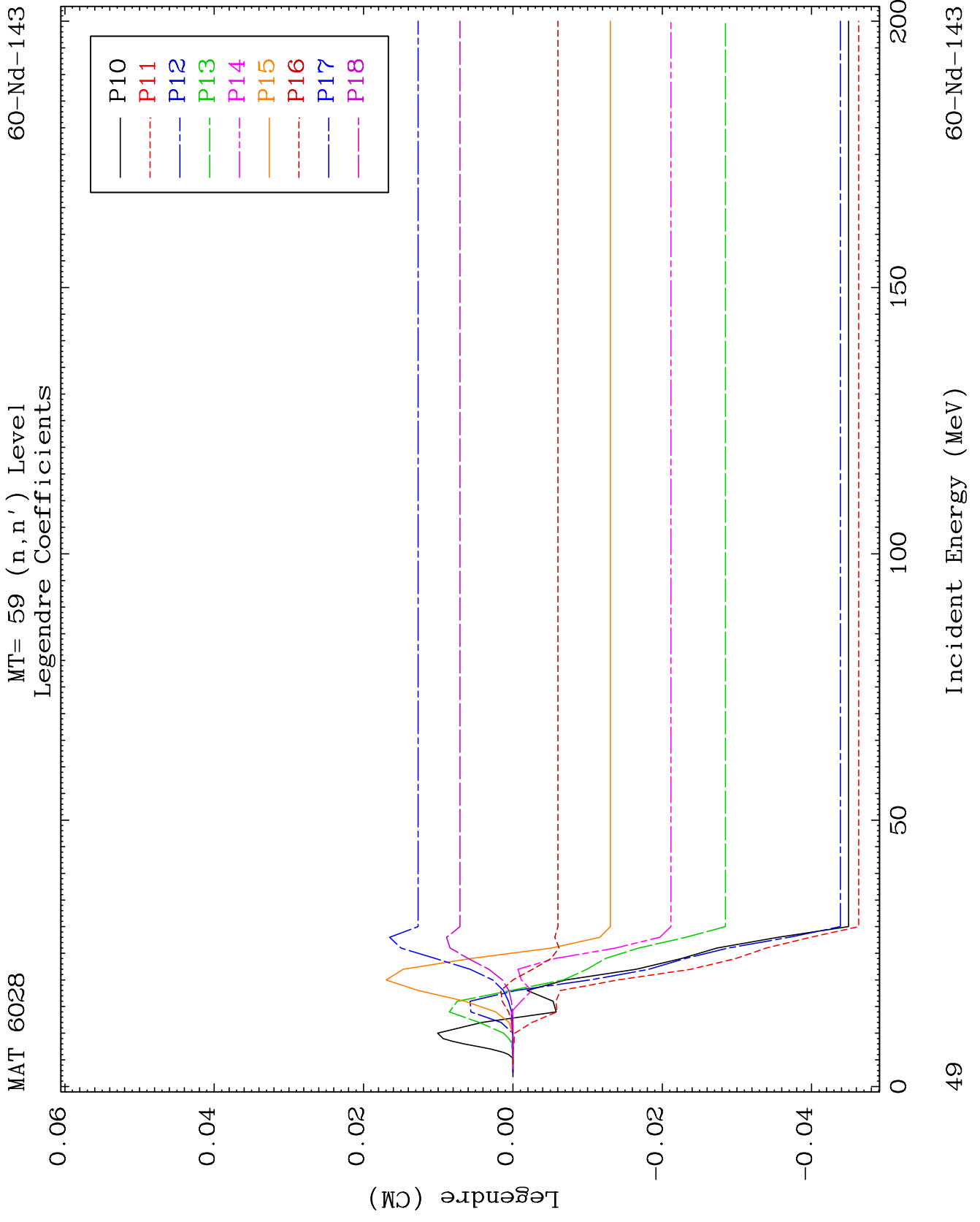








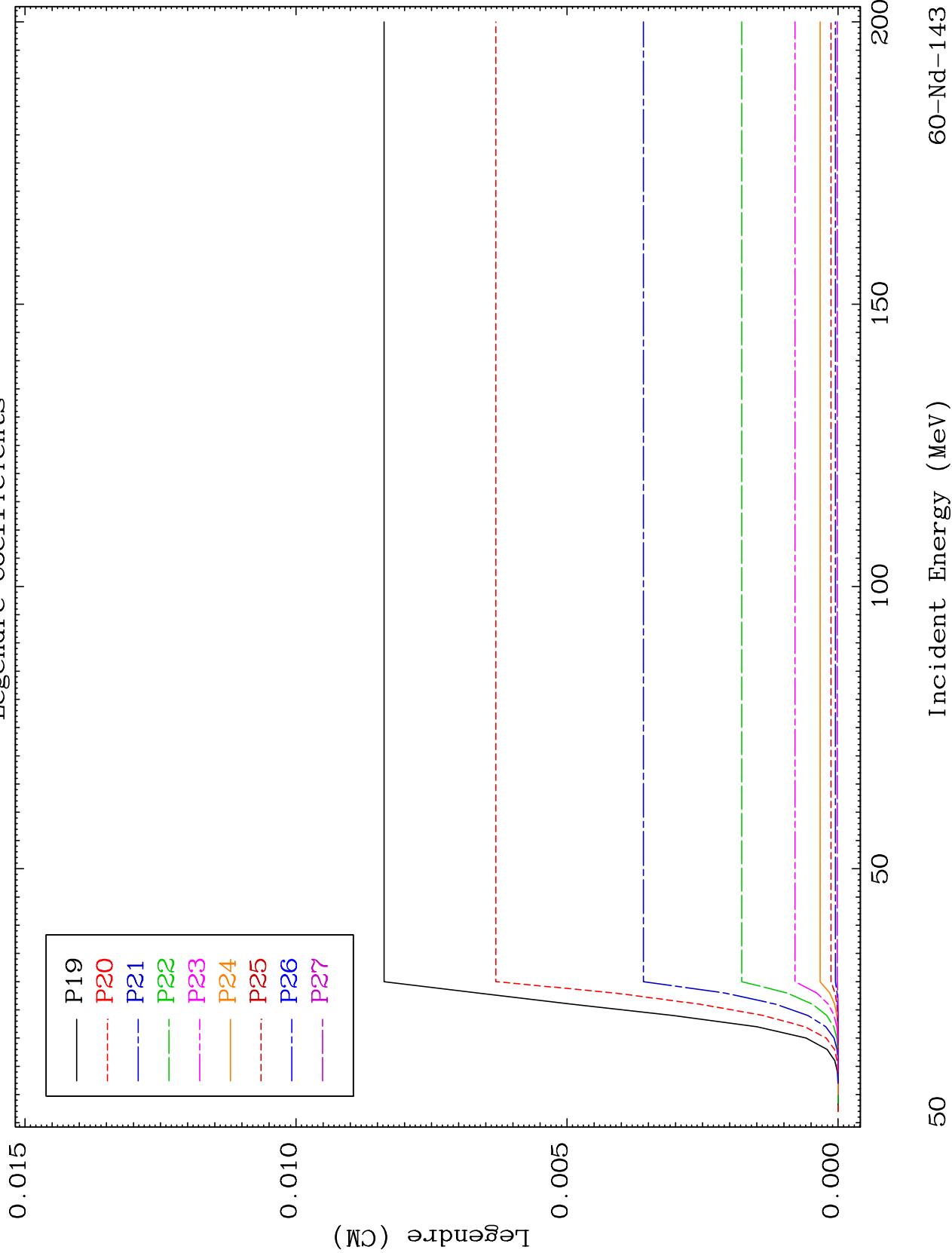




MAT 6028

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

60-Nd-143



60-Nd-143

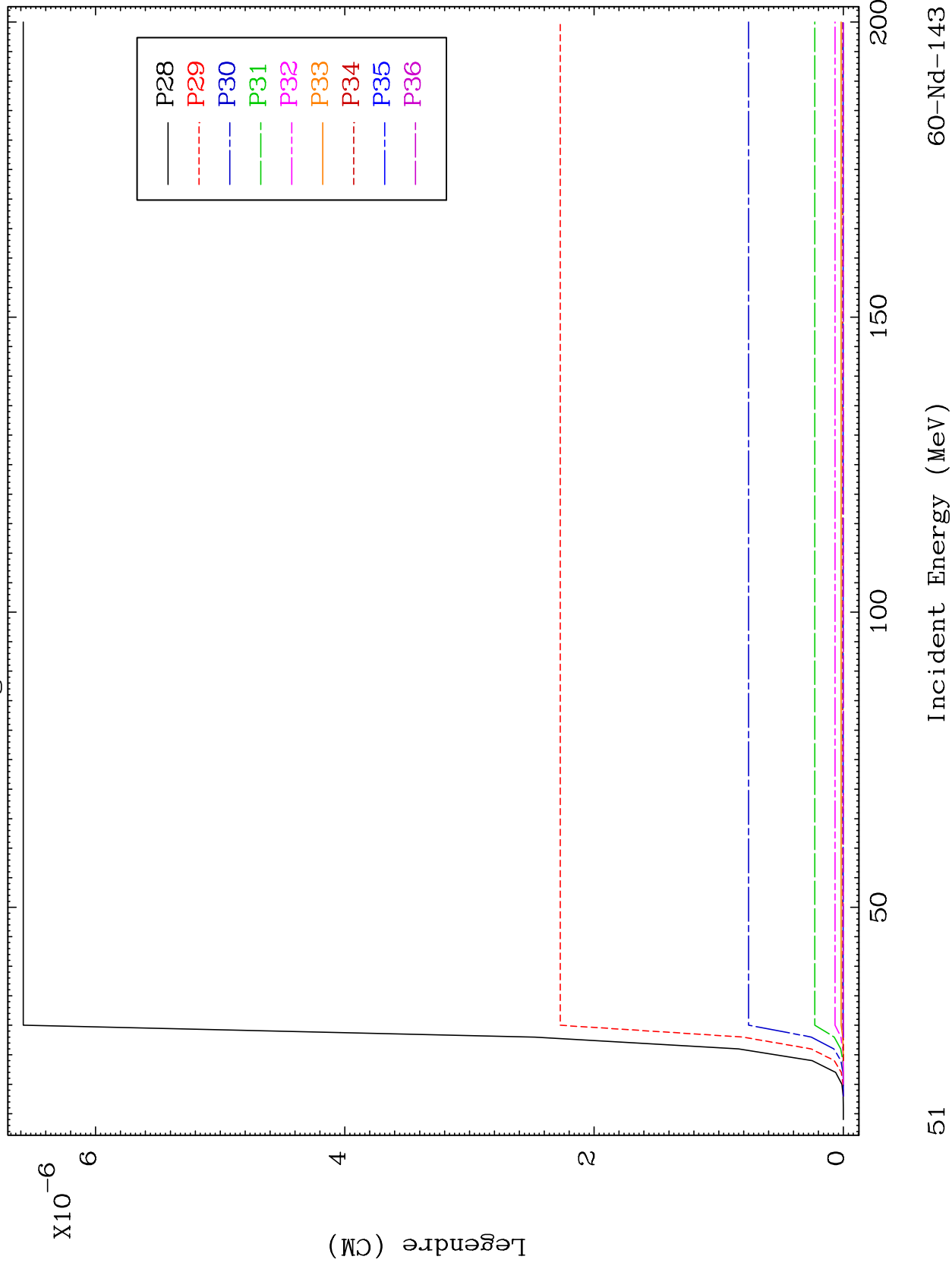
Incident Energy (MeV)

50

MAT 6028

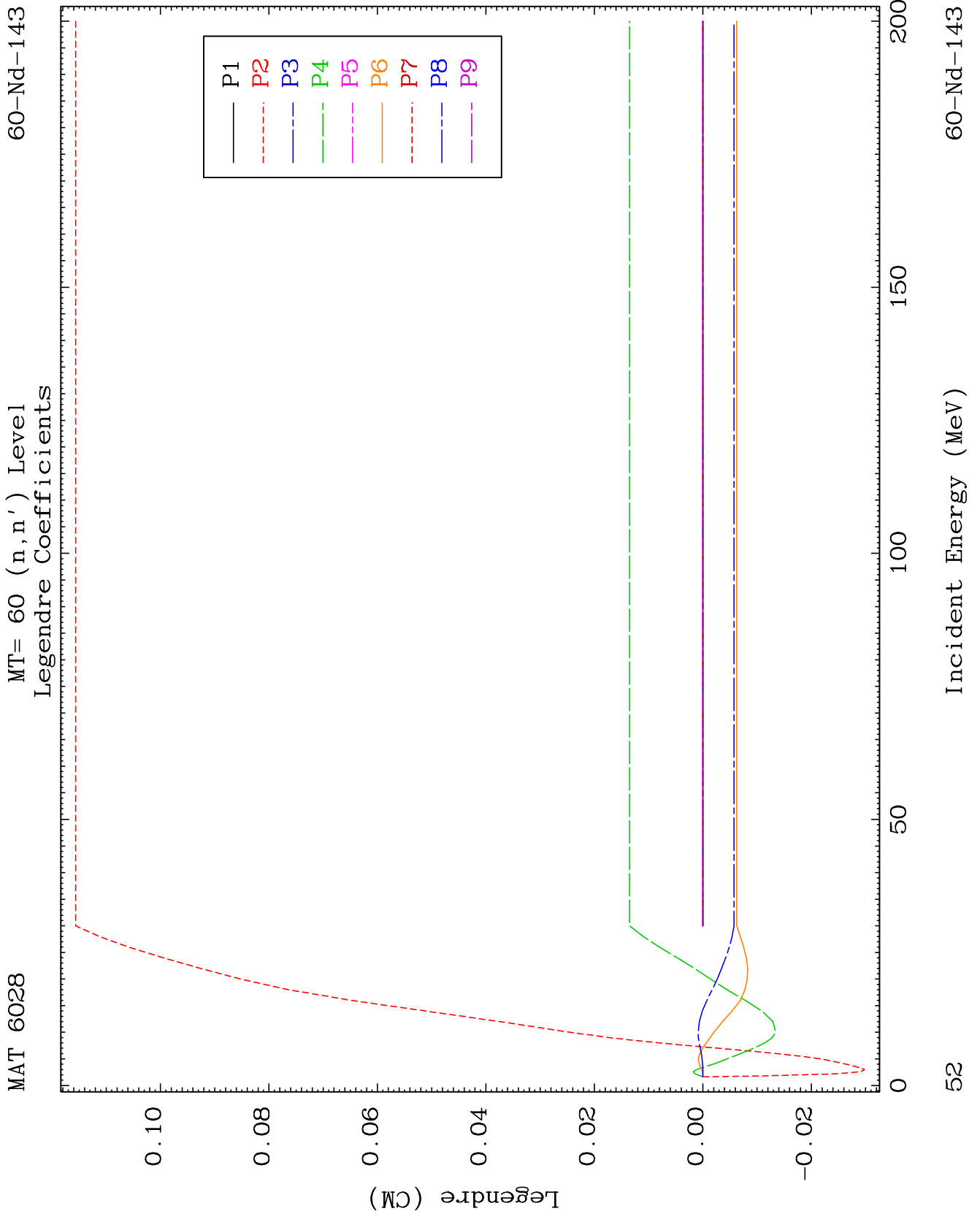
MT= 59 (n,n') Level
Legendre Coefficients

60-Nd-143



51

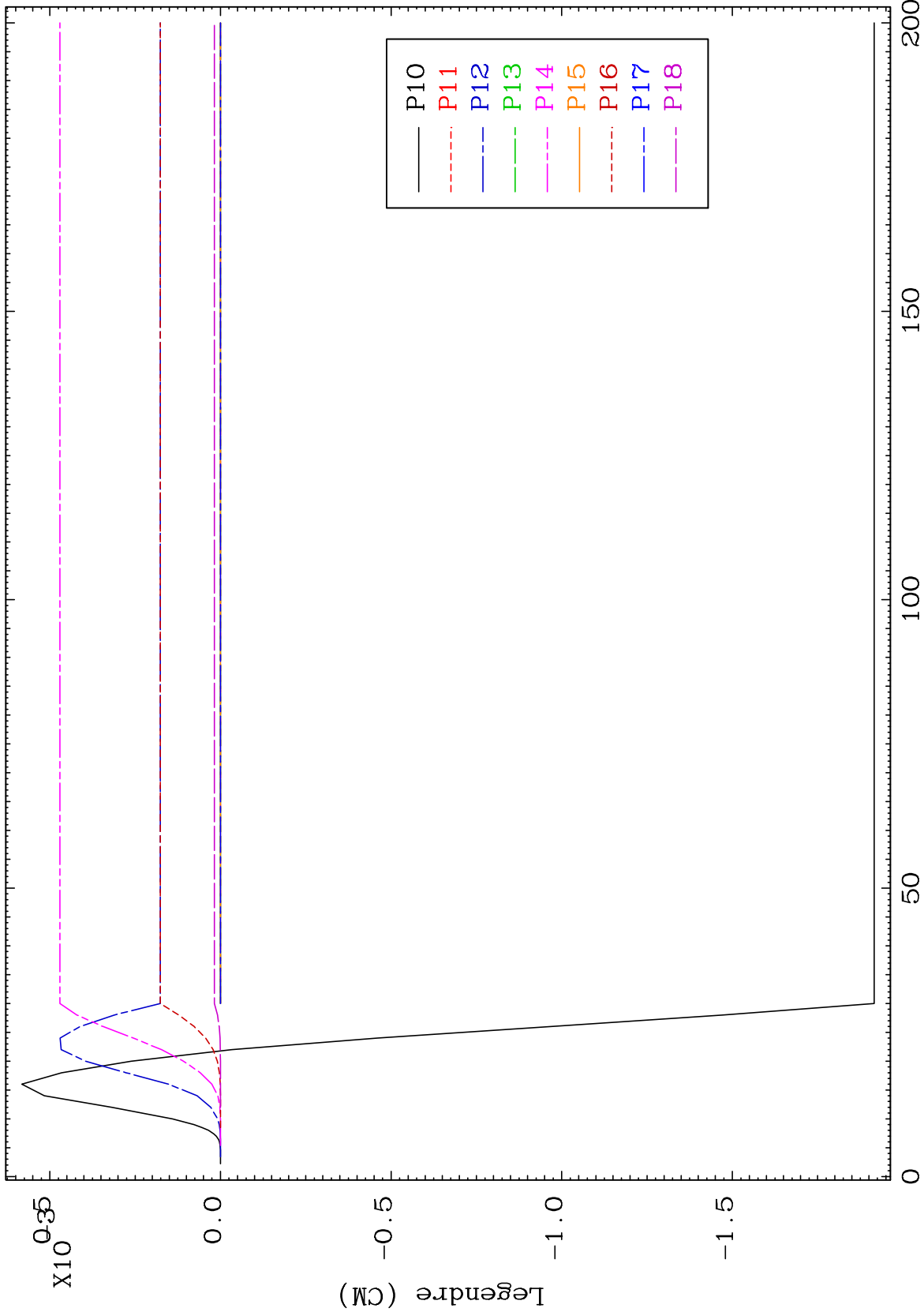
60-Nd-143



MAT 6028

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

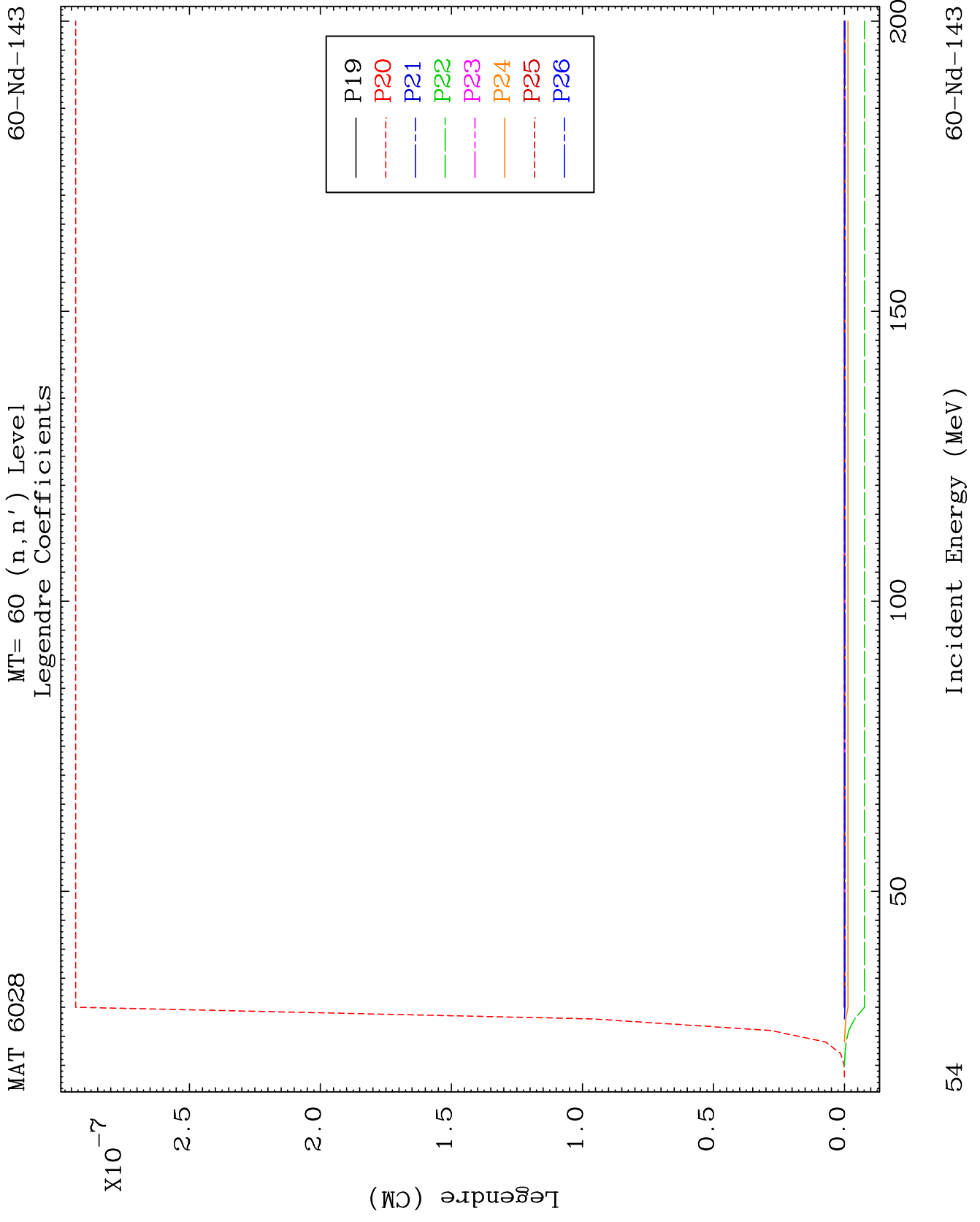
60-Nd-143

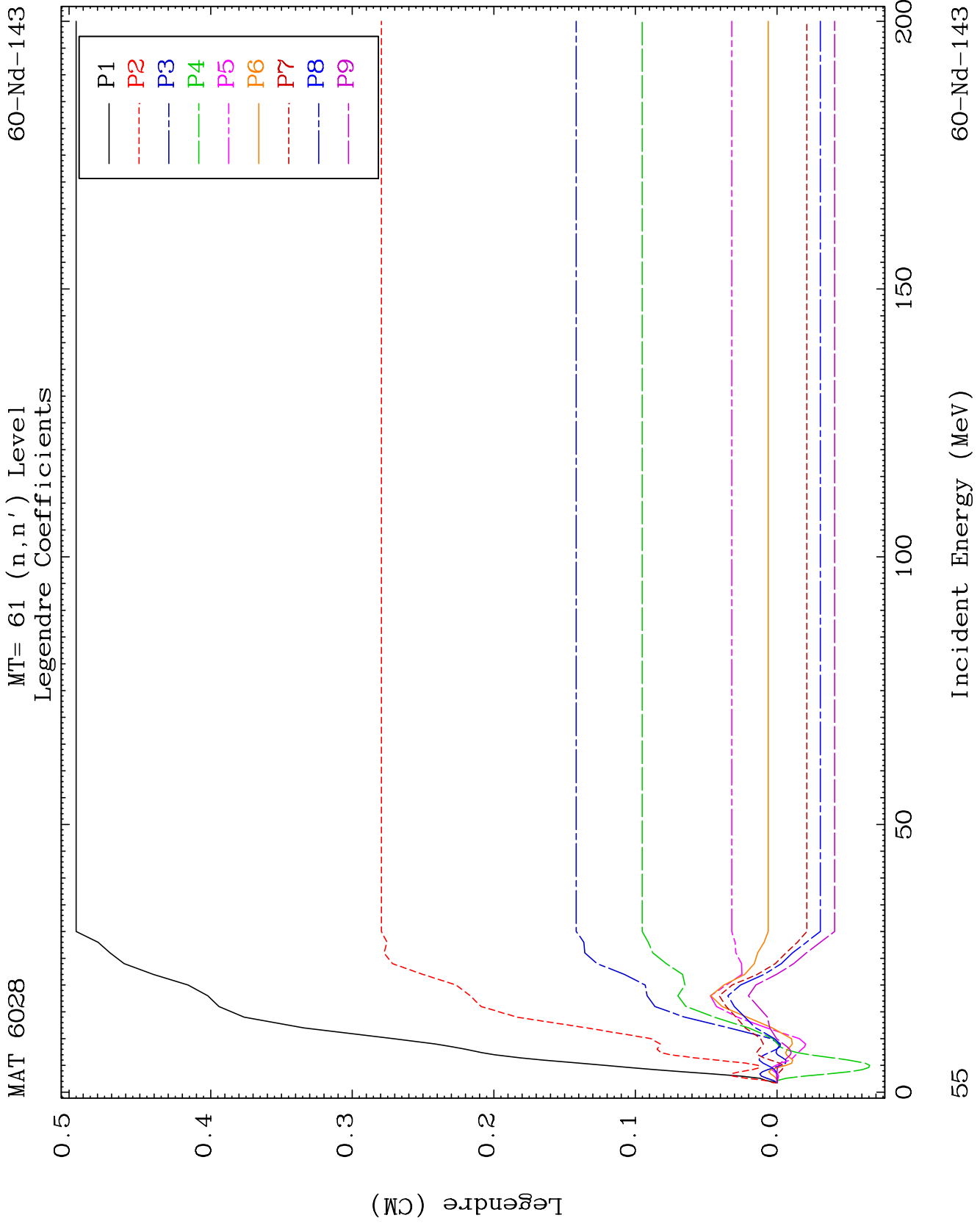


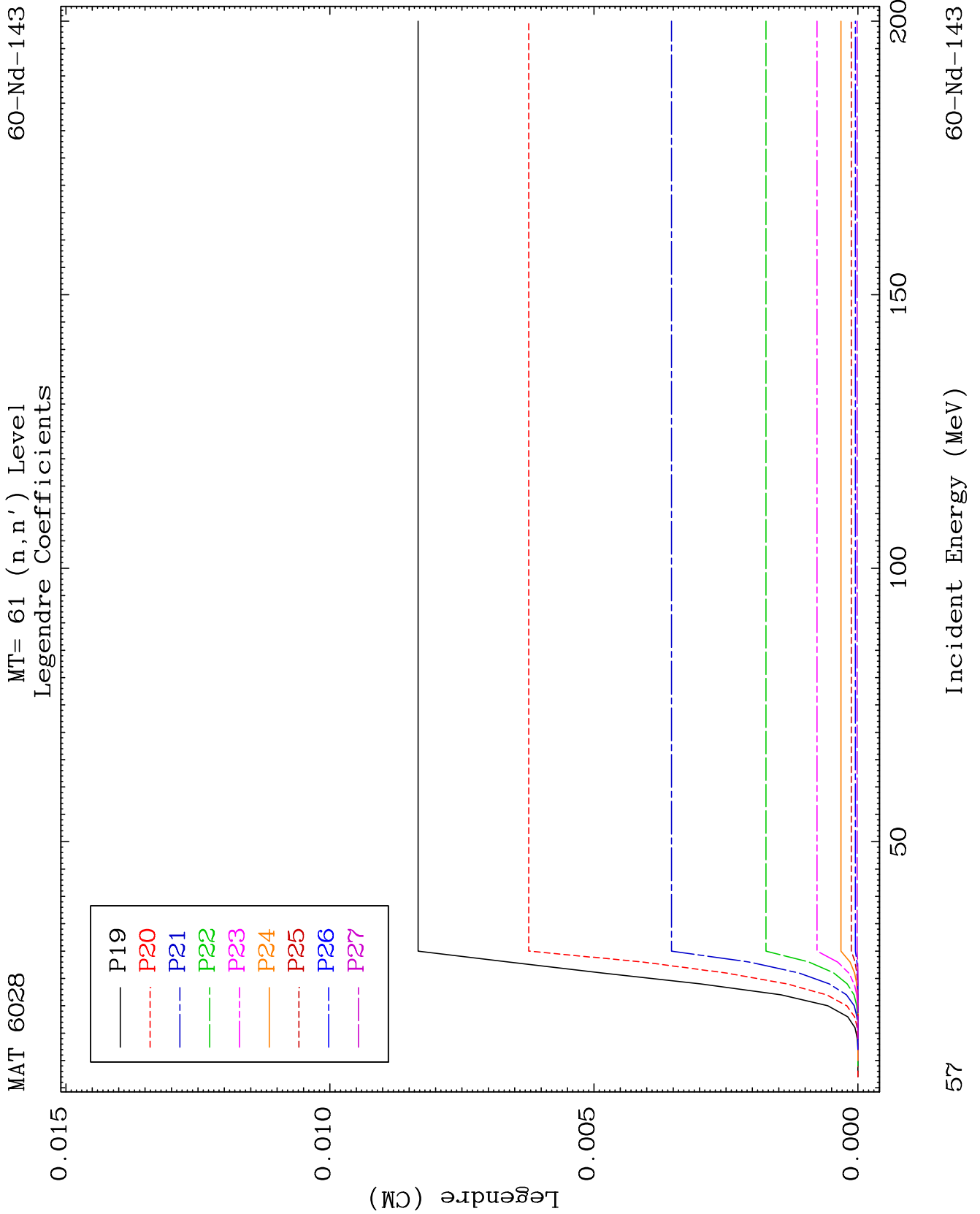
53

Incident Energy (MeV)

60-Nd-143



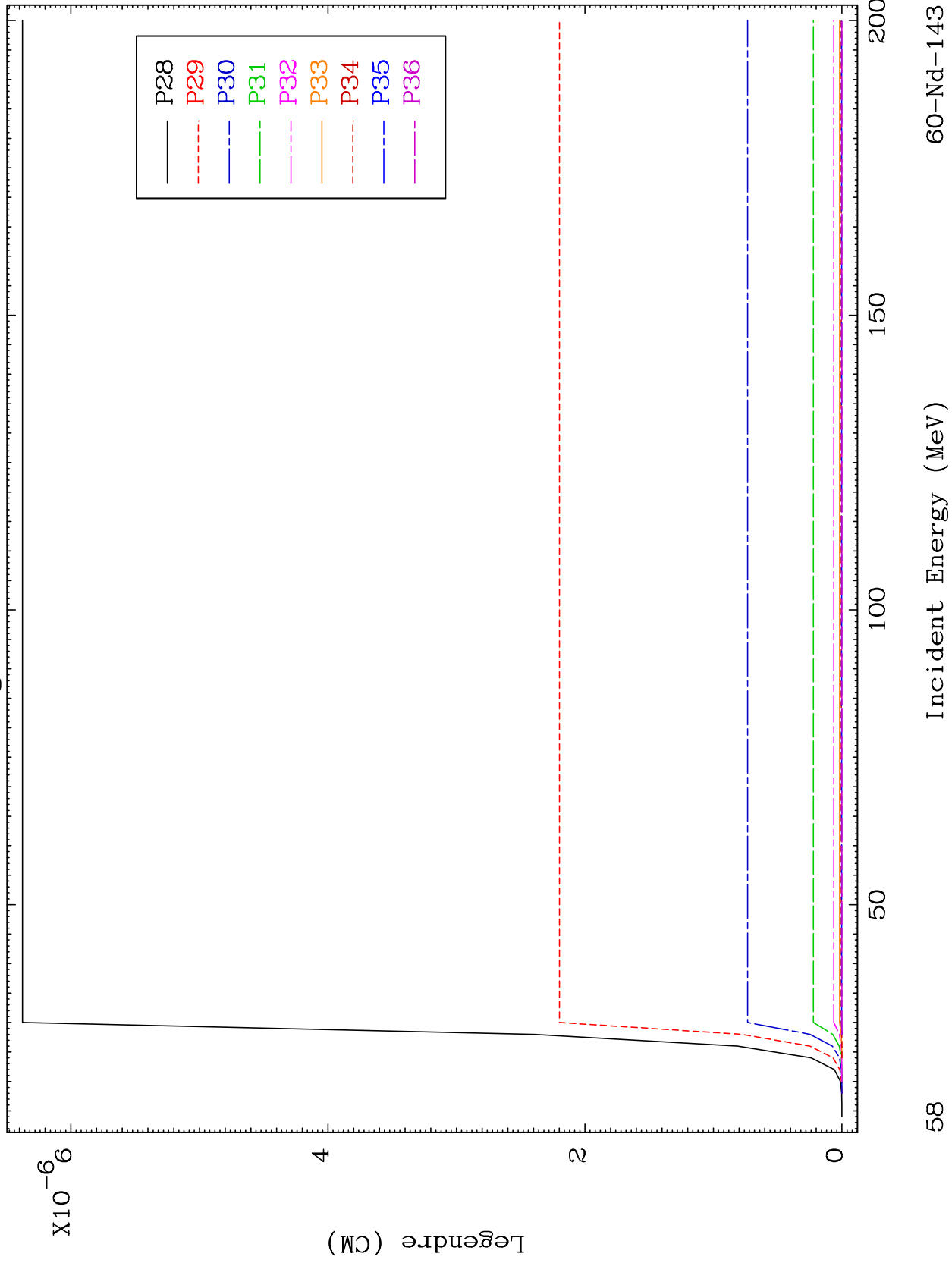




MAT 6028

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

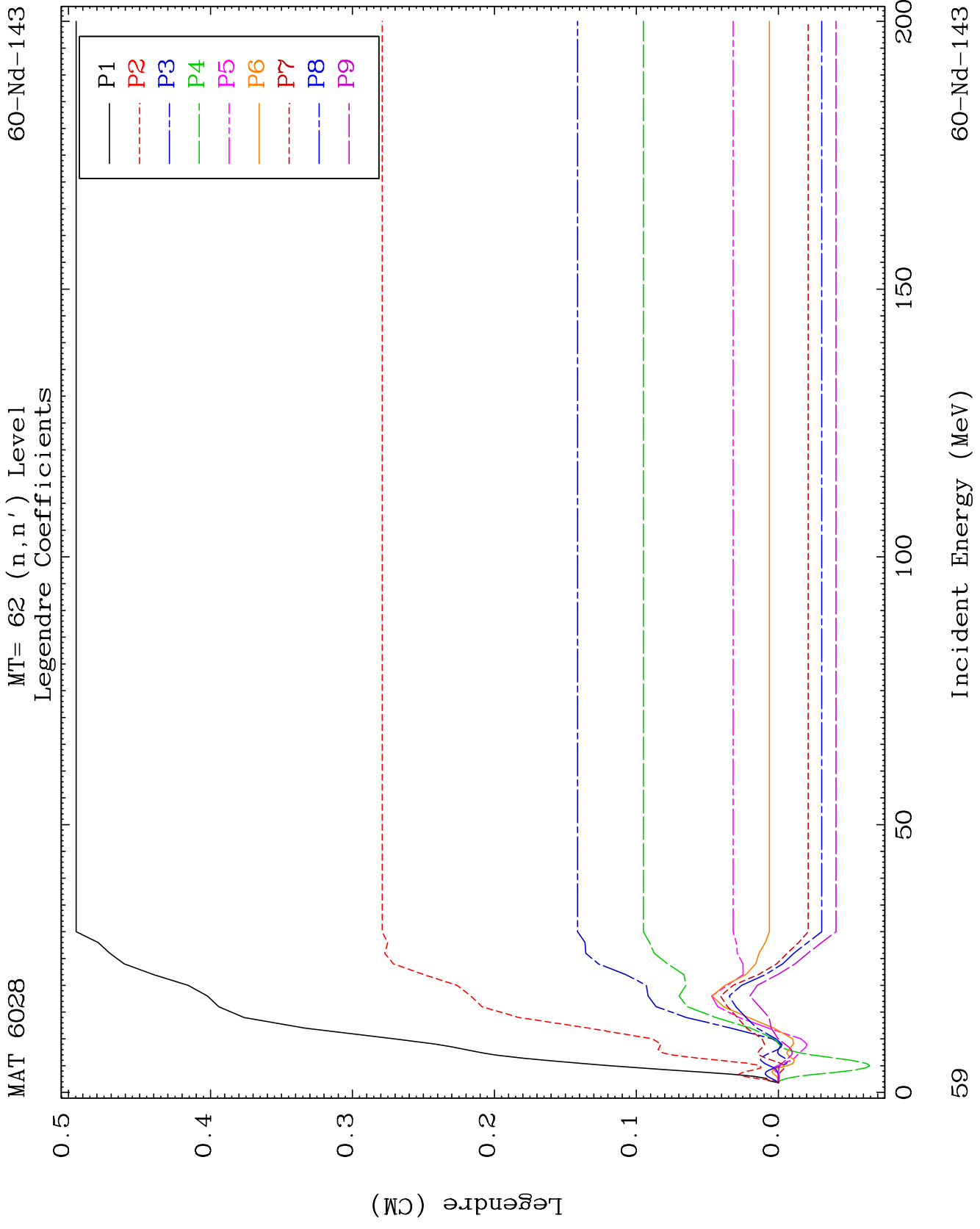
60-Nd-143

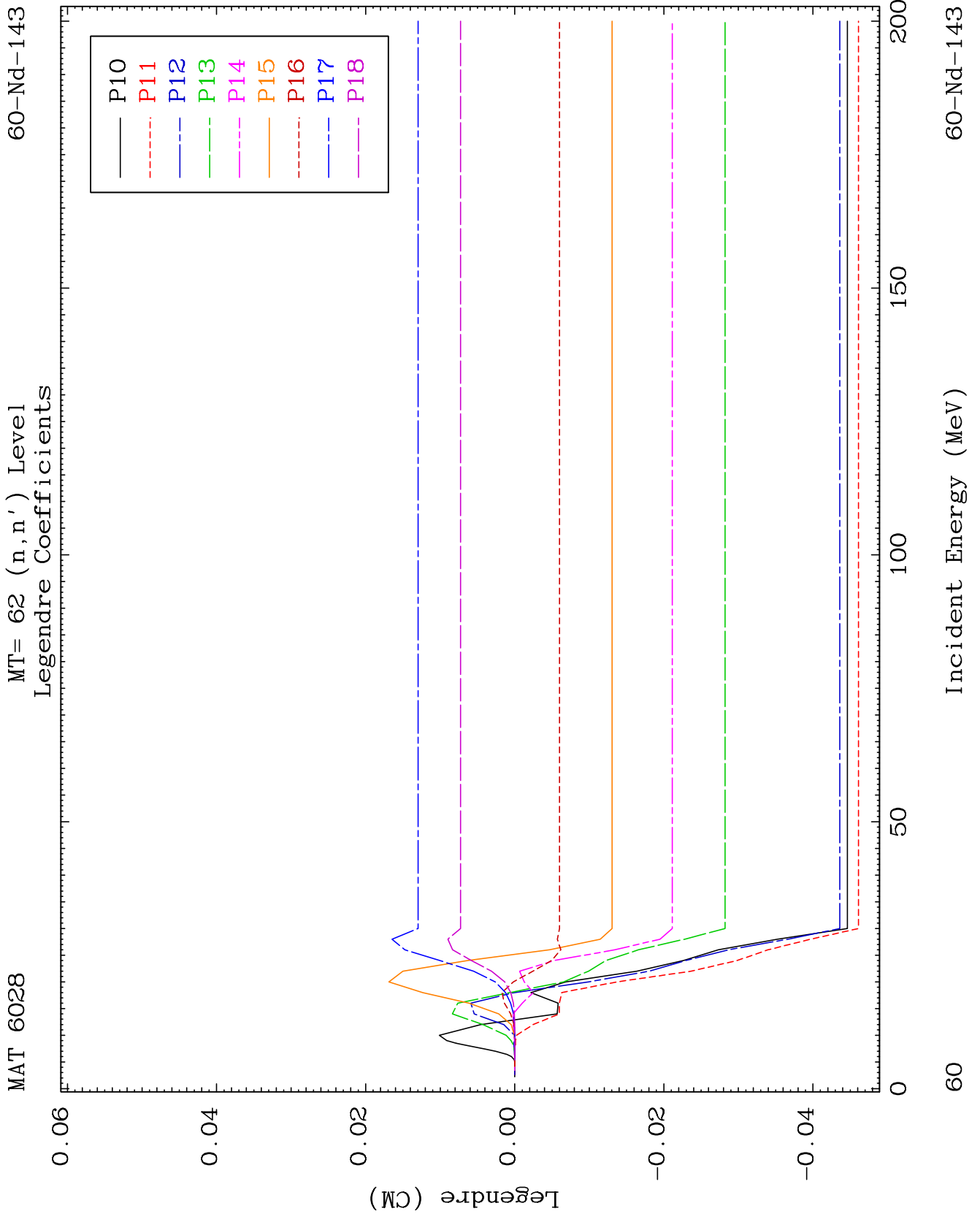


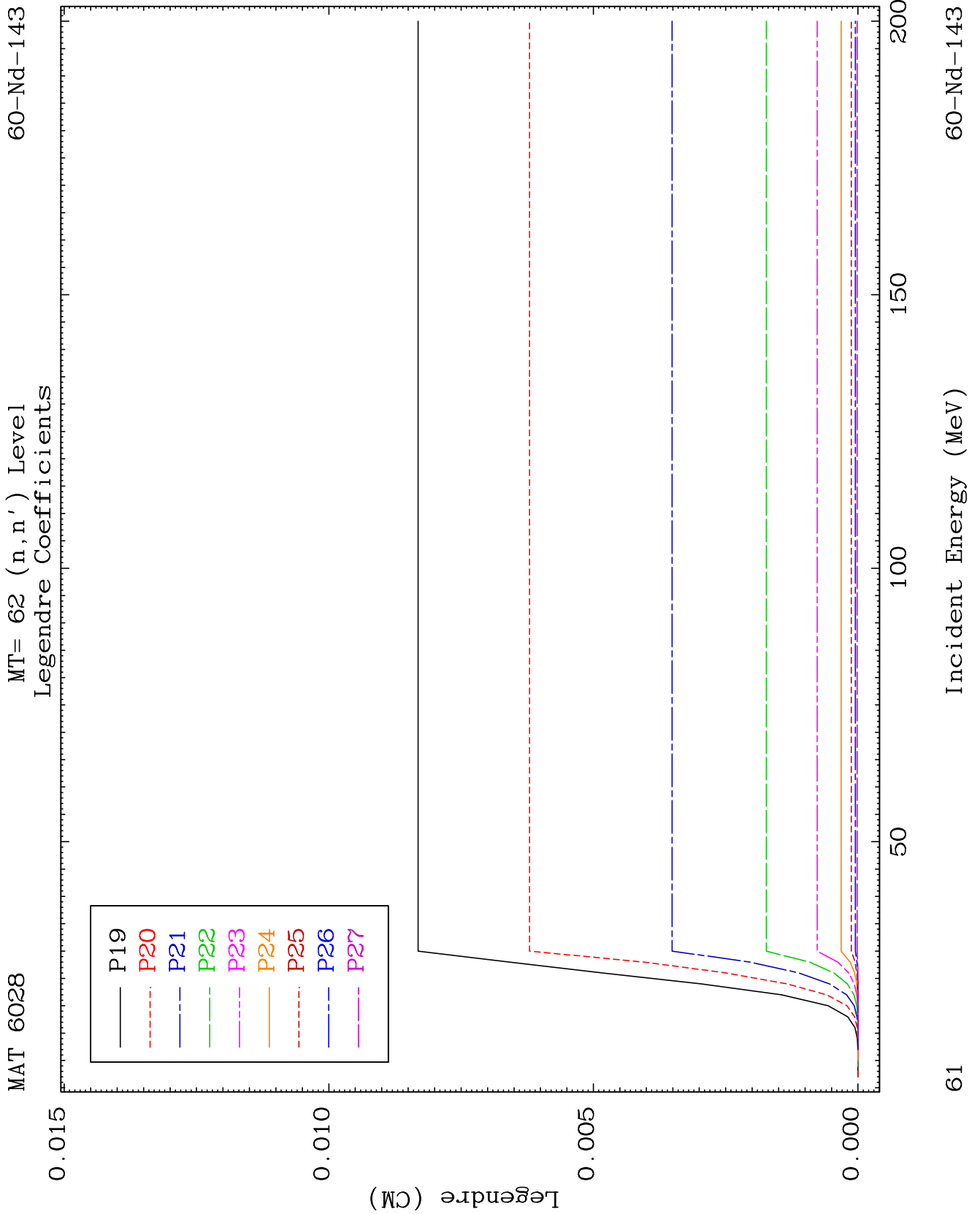
58

Incident Energy (MeV)

60-Nd-143



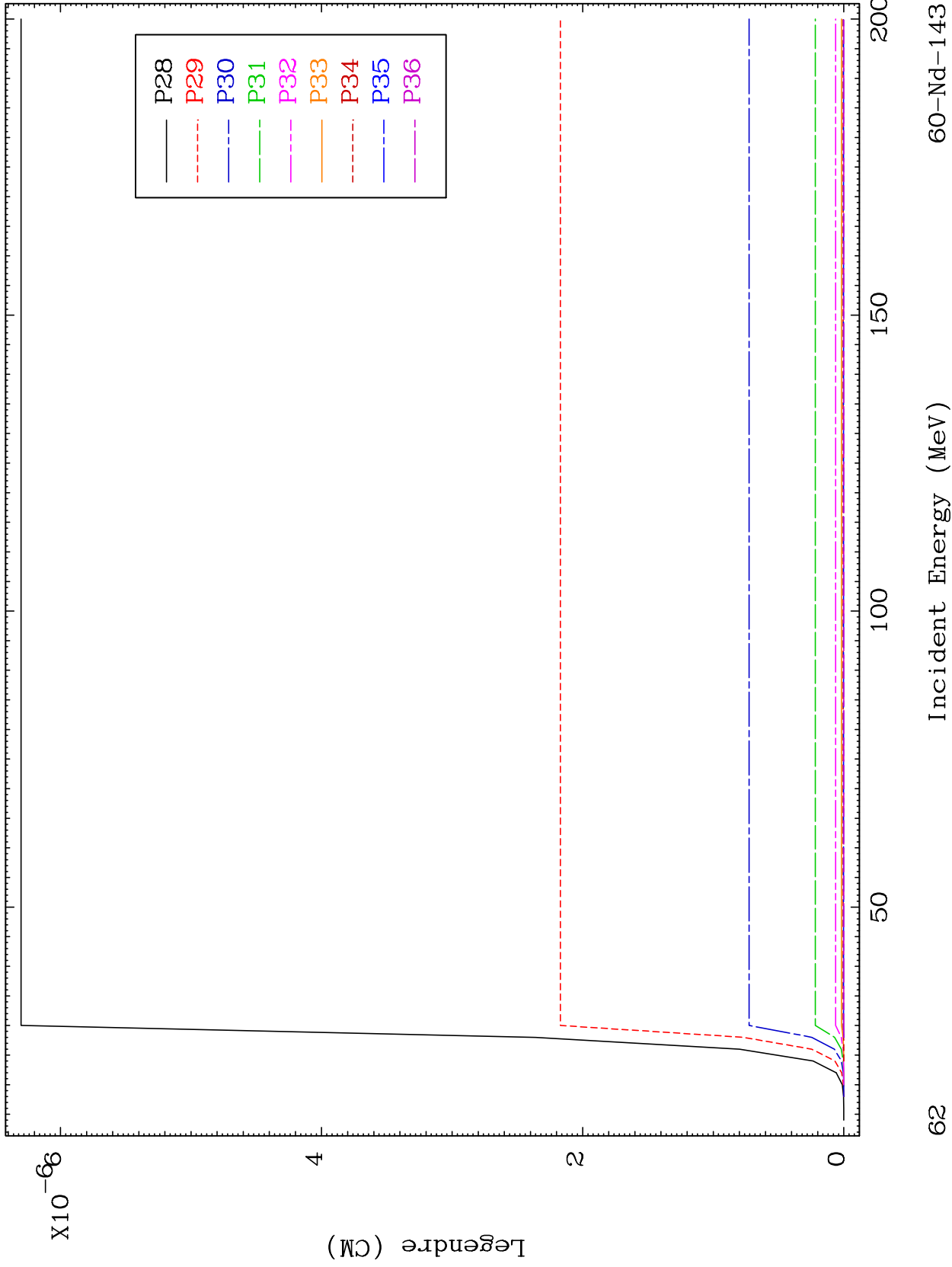




MAT 6028

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

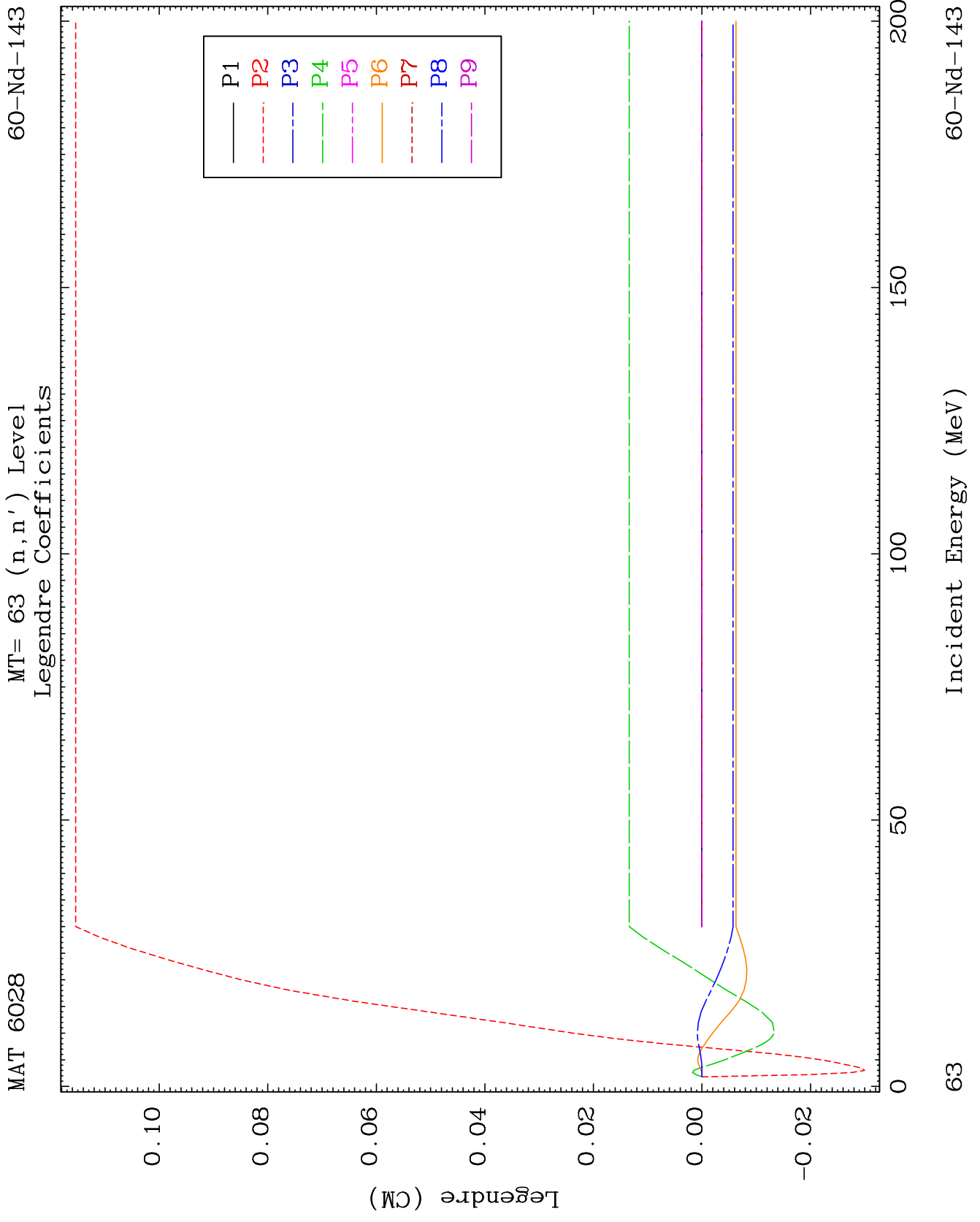
60-Nd-143



62

Incident Energy (MeV)

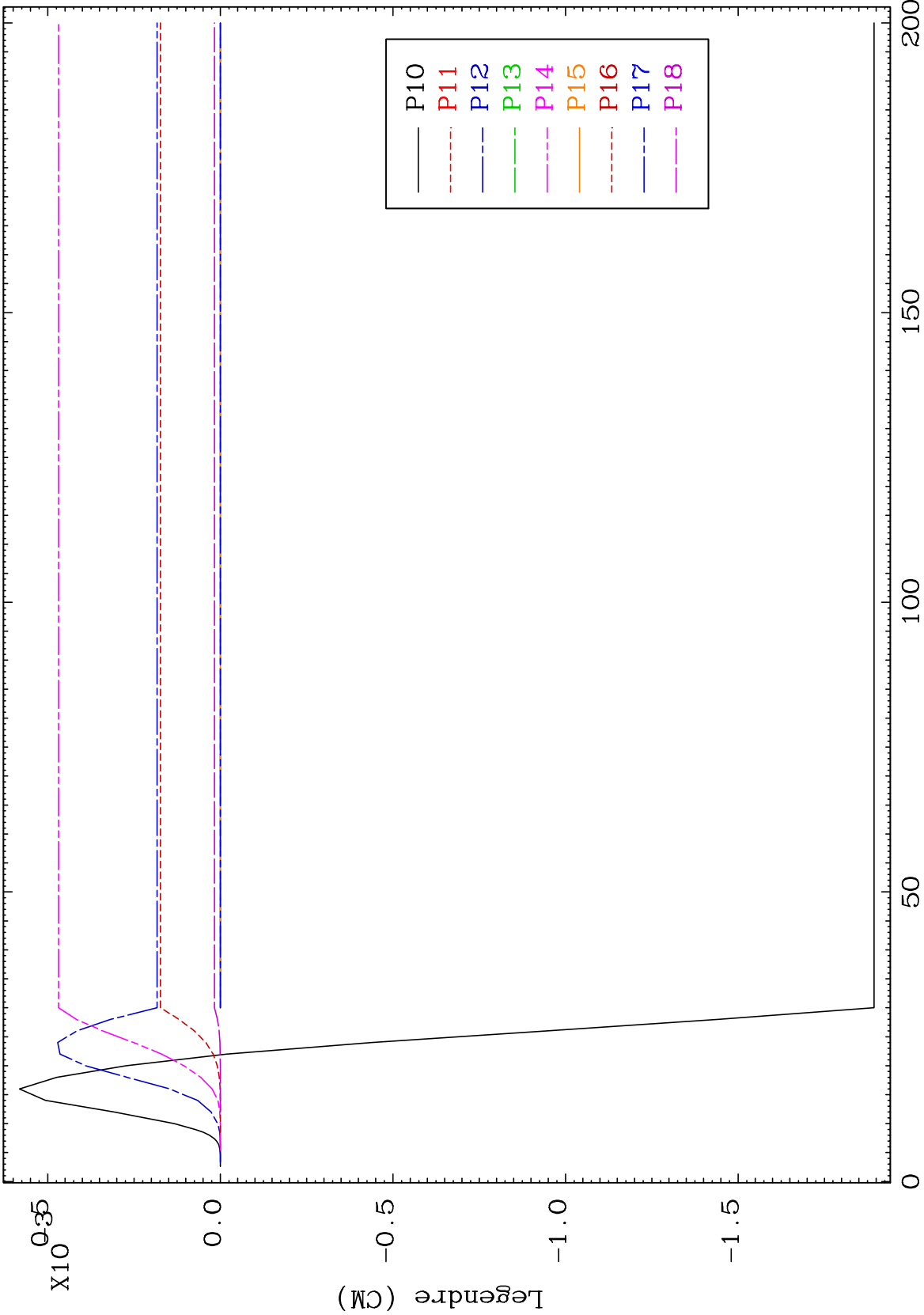
60-Nd-143



MAT 6028

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

60-Nd-143



64

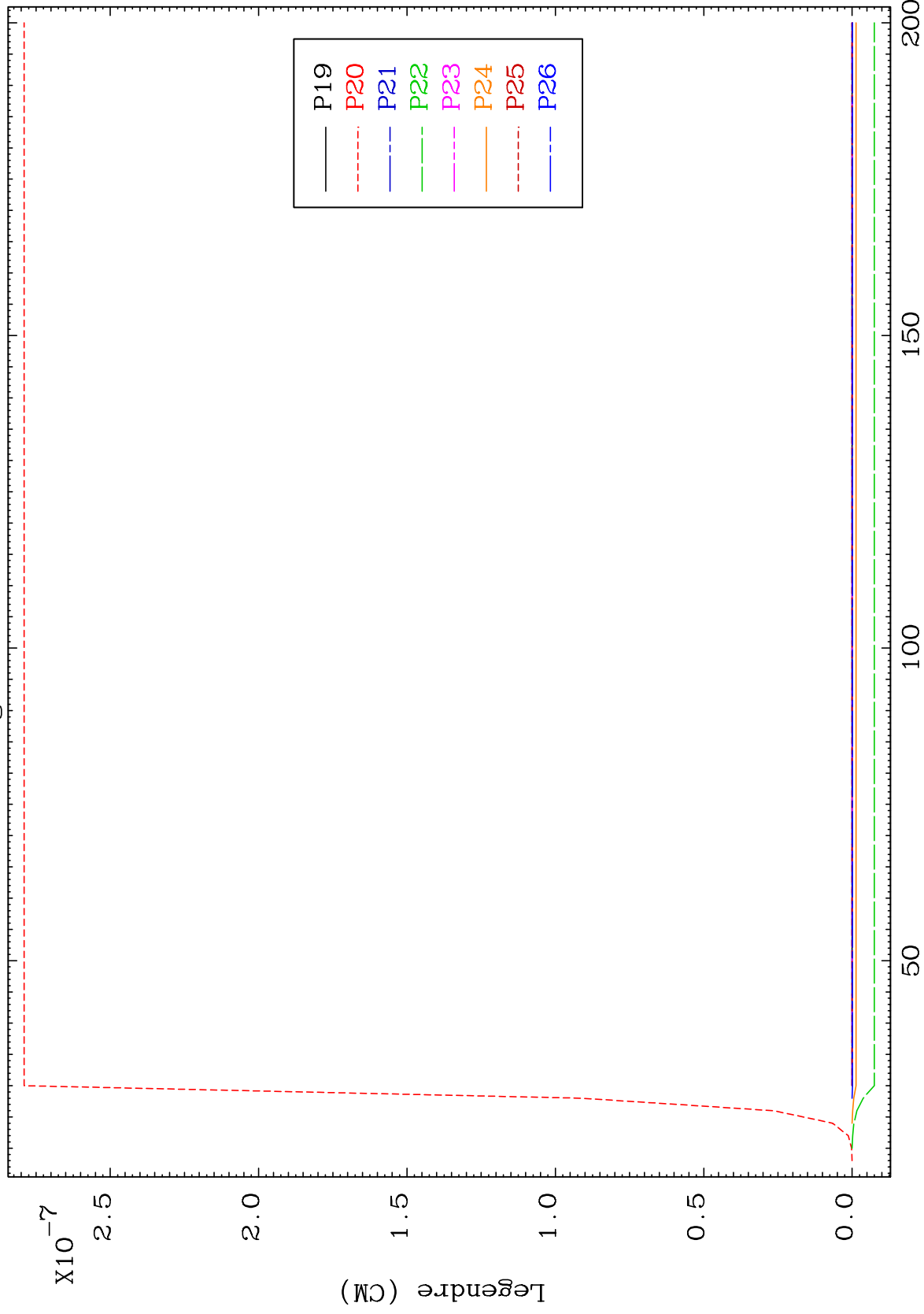
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

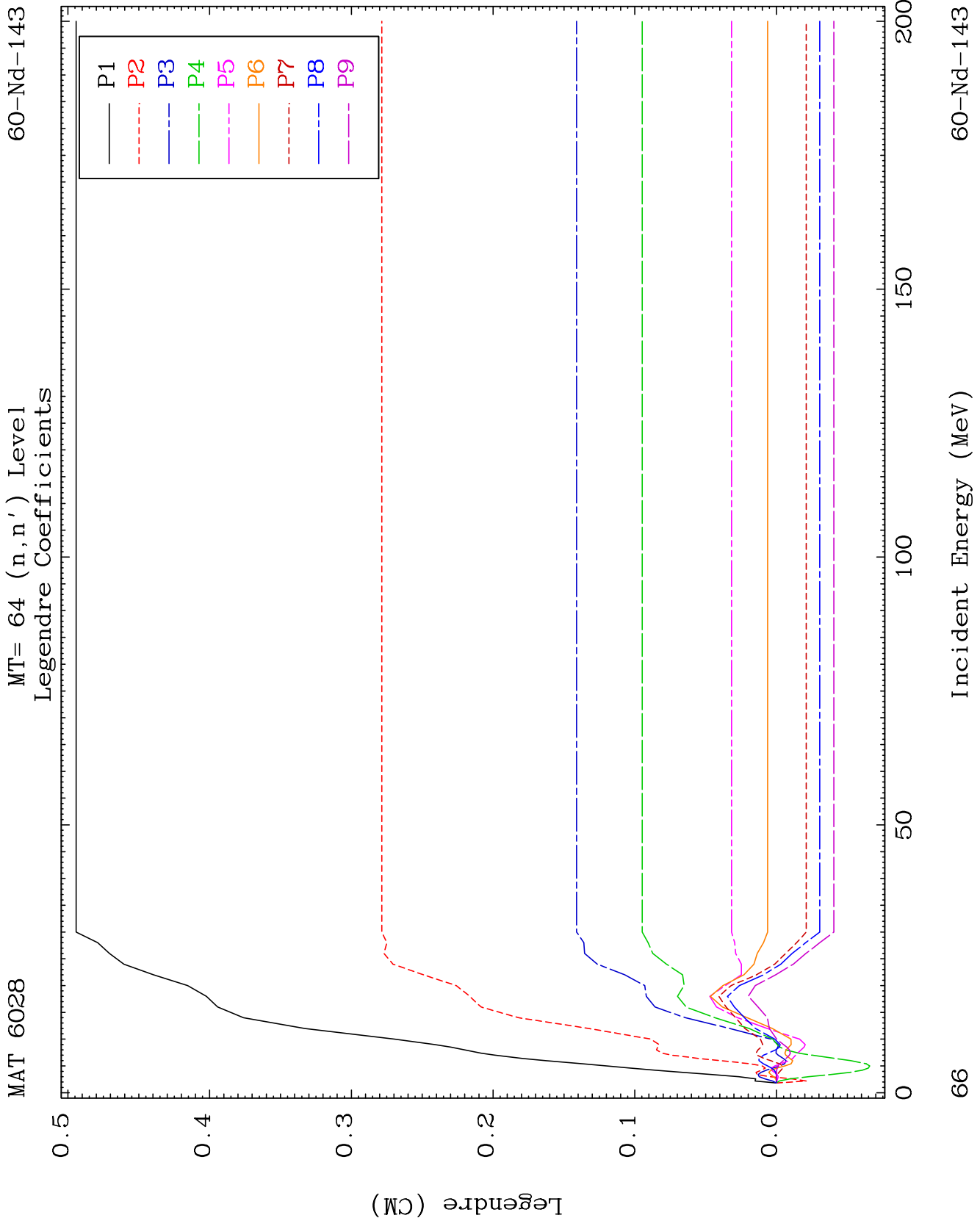
60-Nd-143

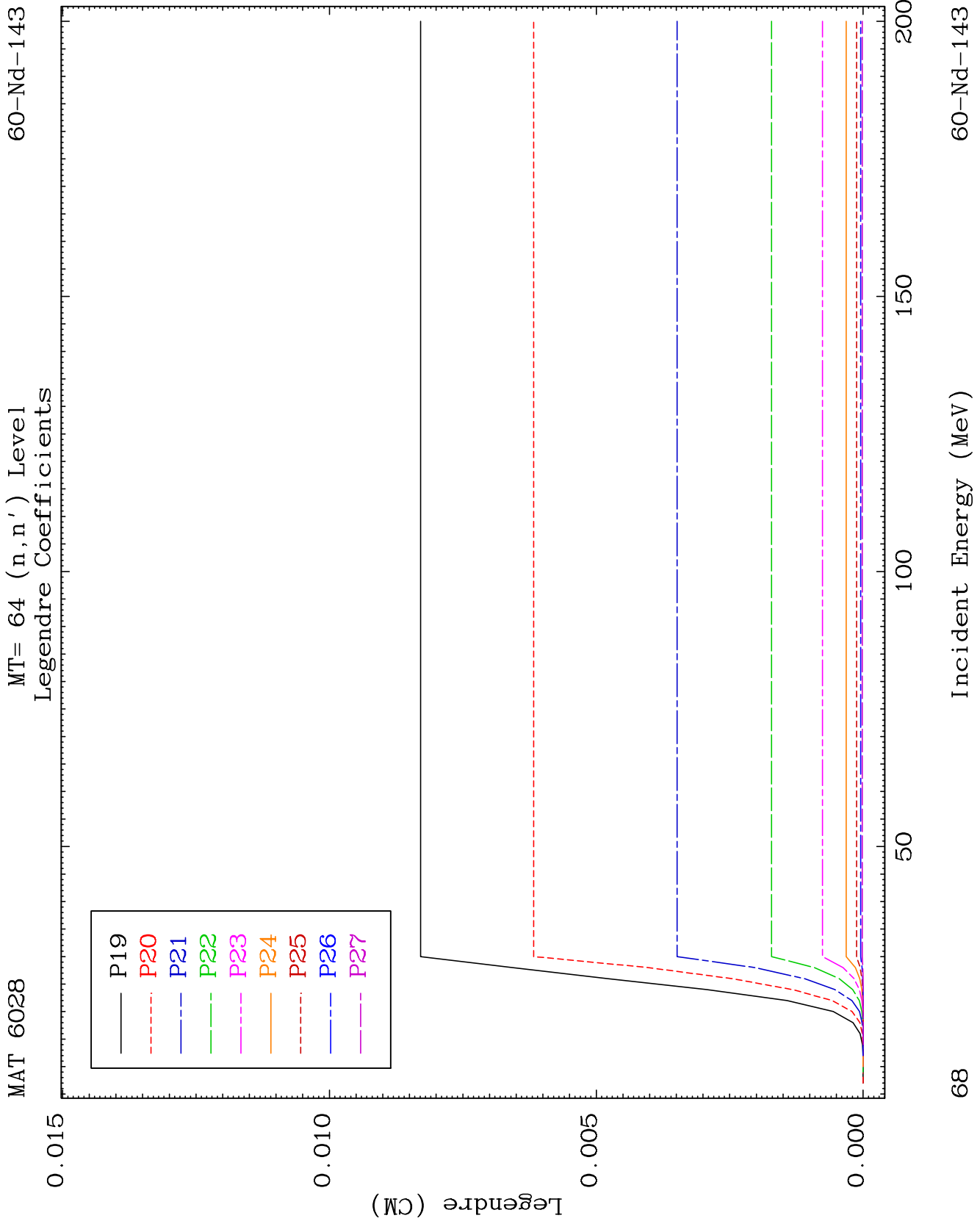


60-Nd-143

Incident Energy (MeV)

65

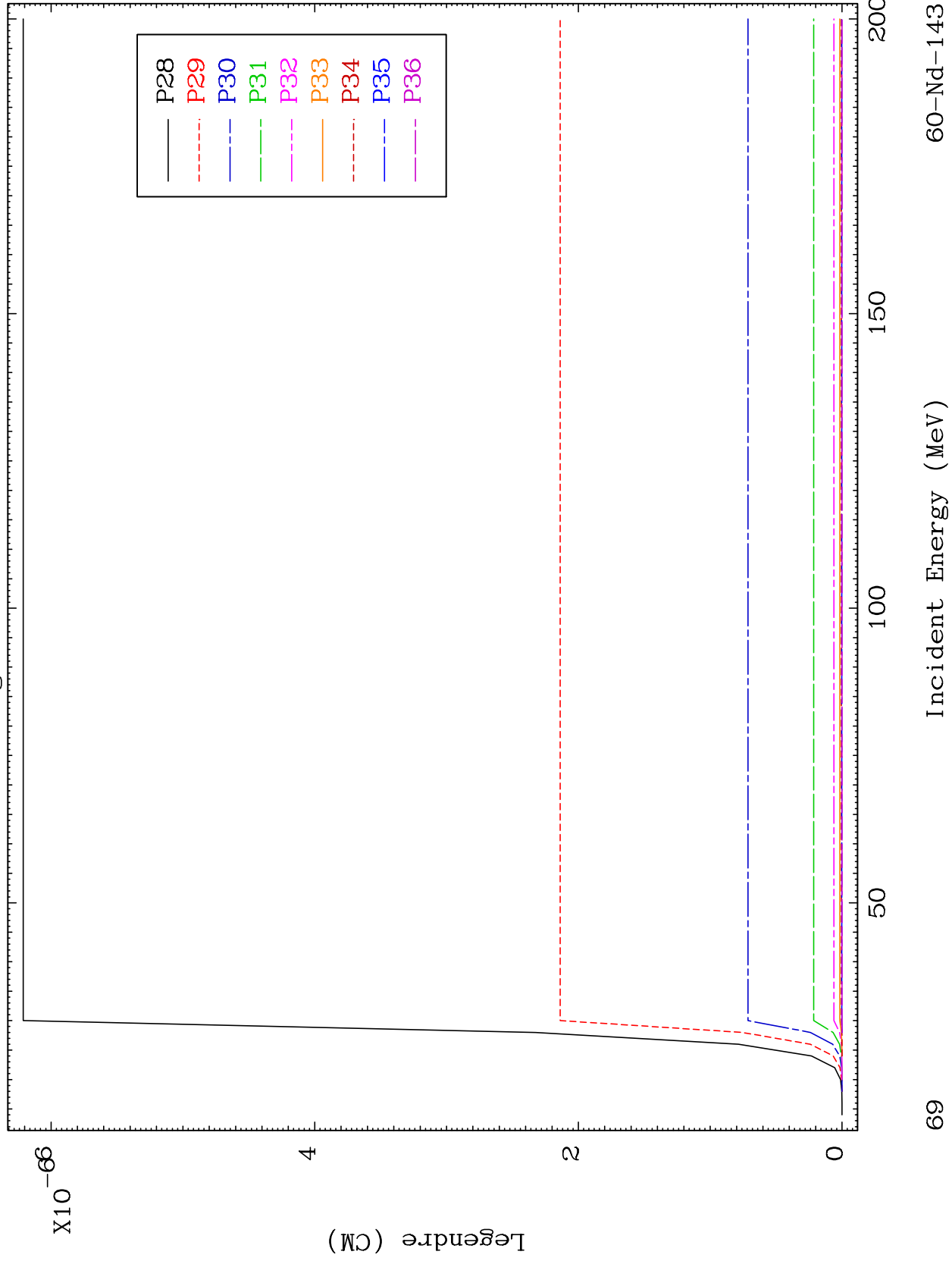


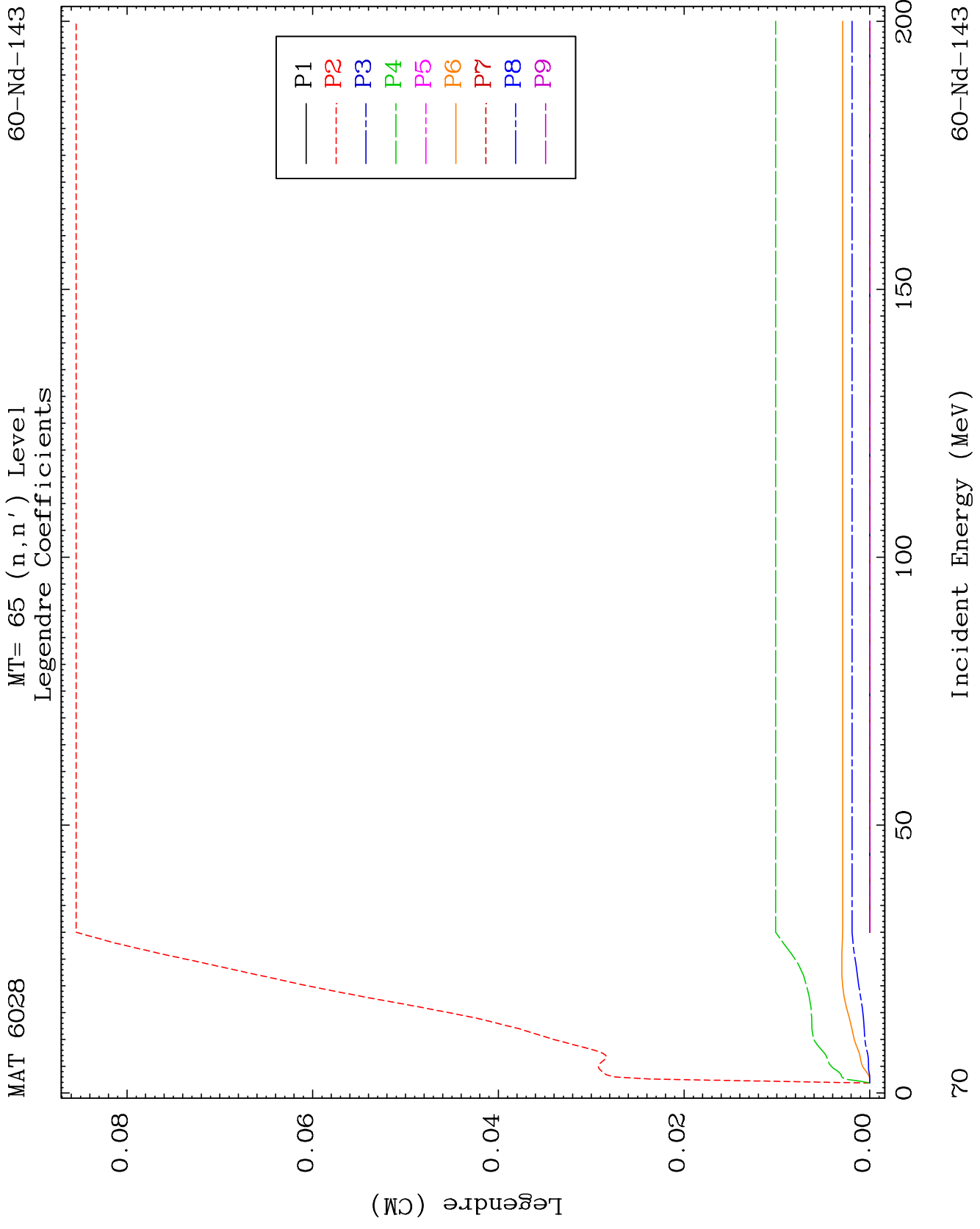


MAT 6028

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

60-Nd-143

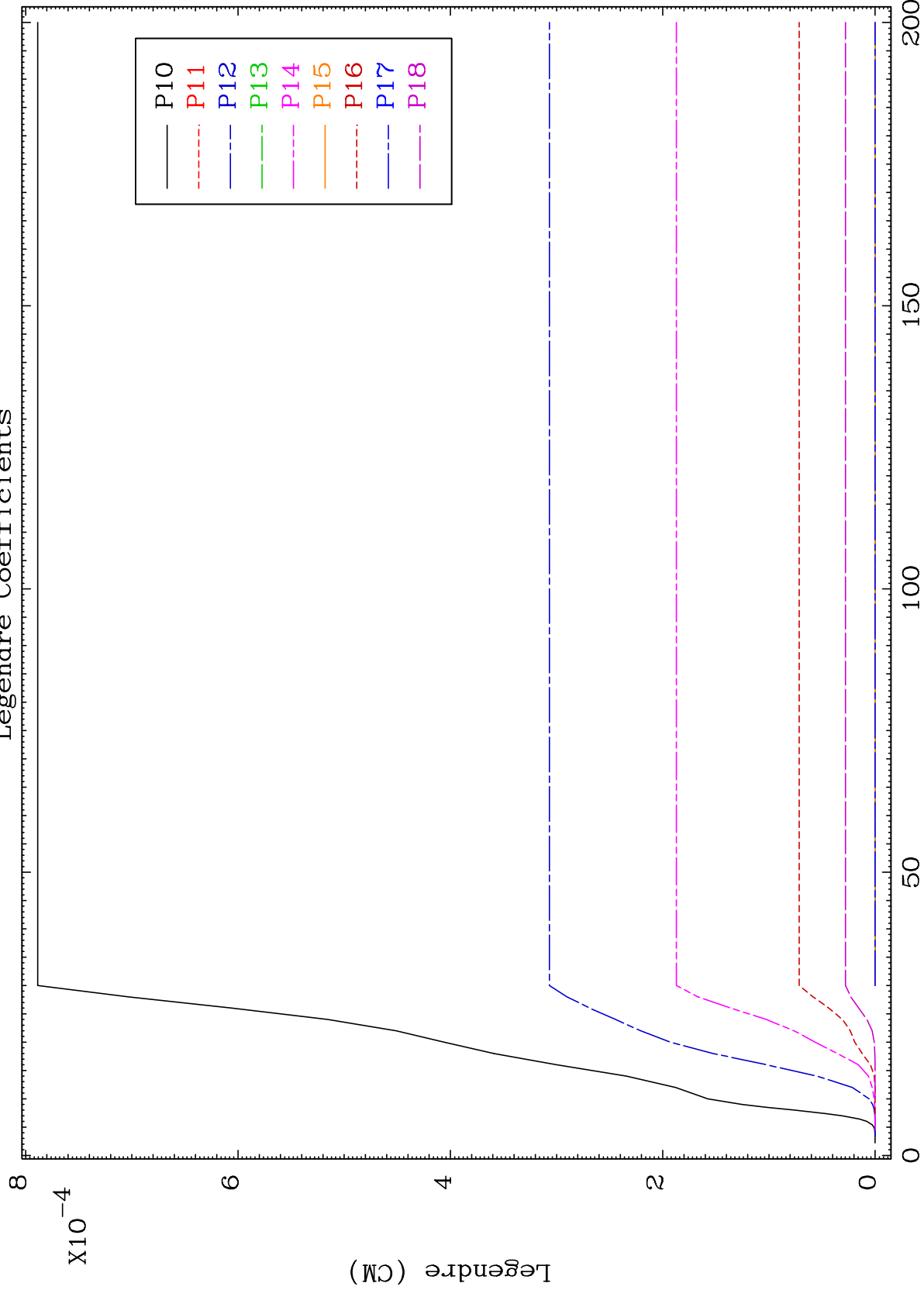




MAT 6028

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

60-Nd-143



71

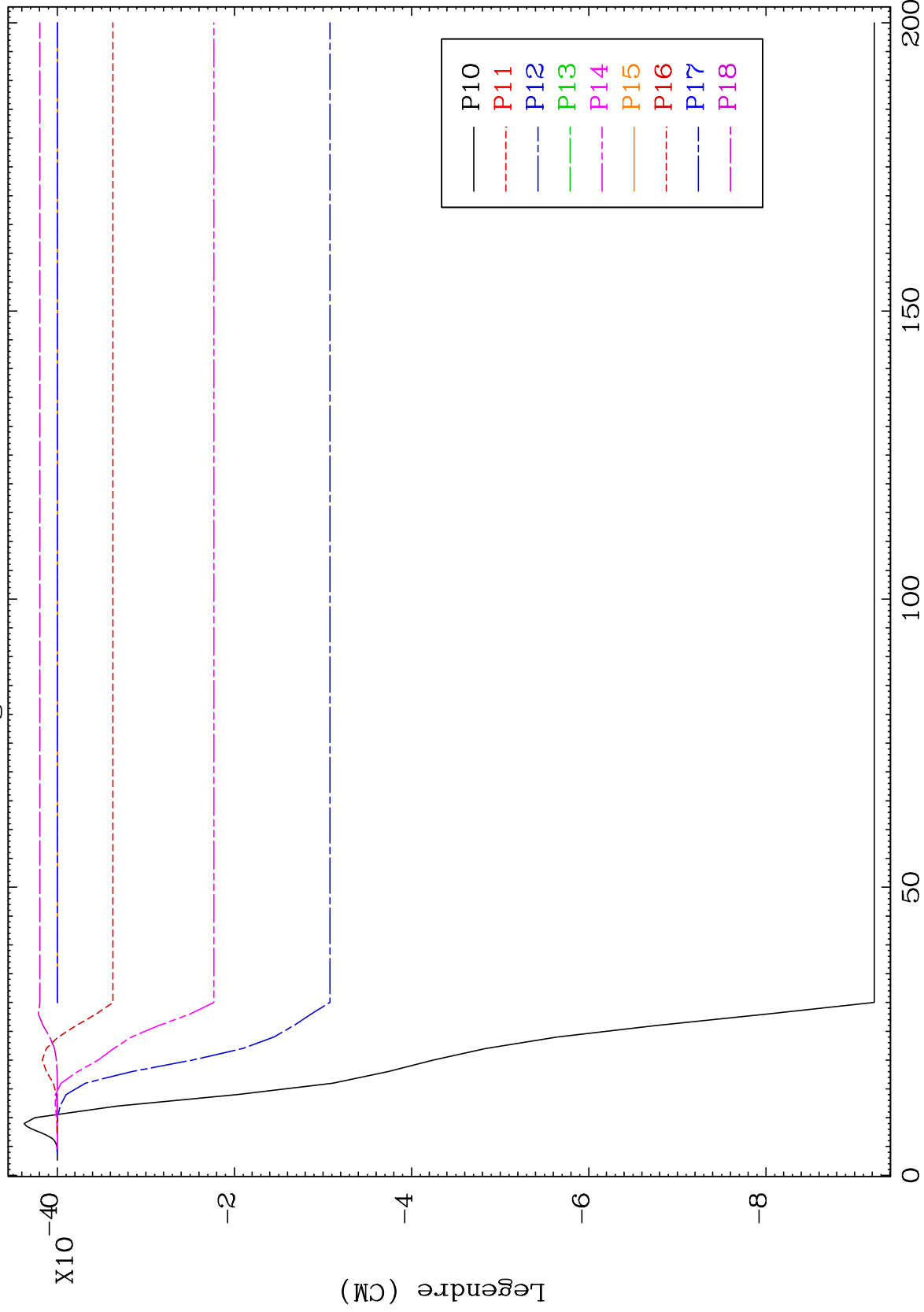
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



74

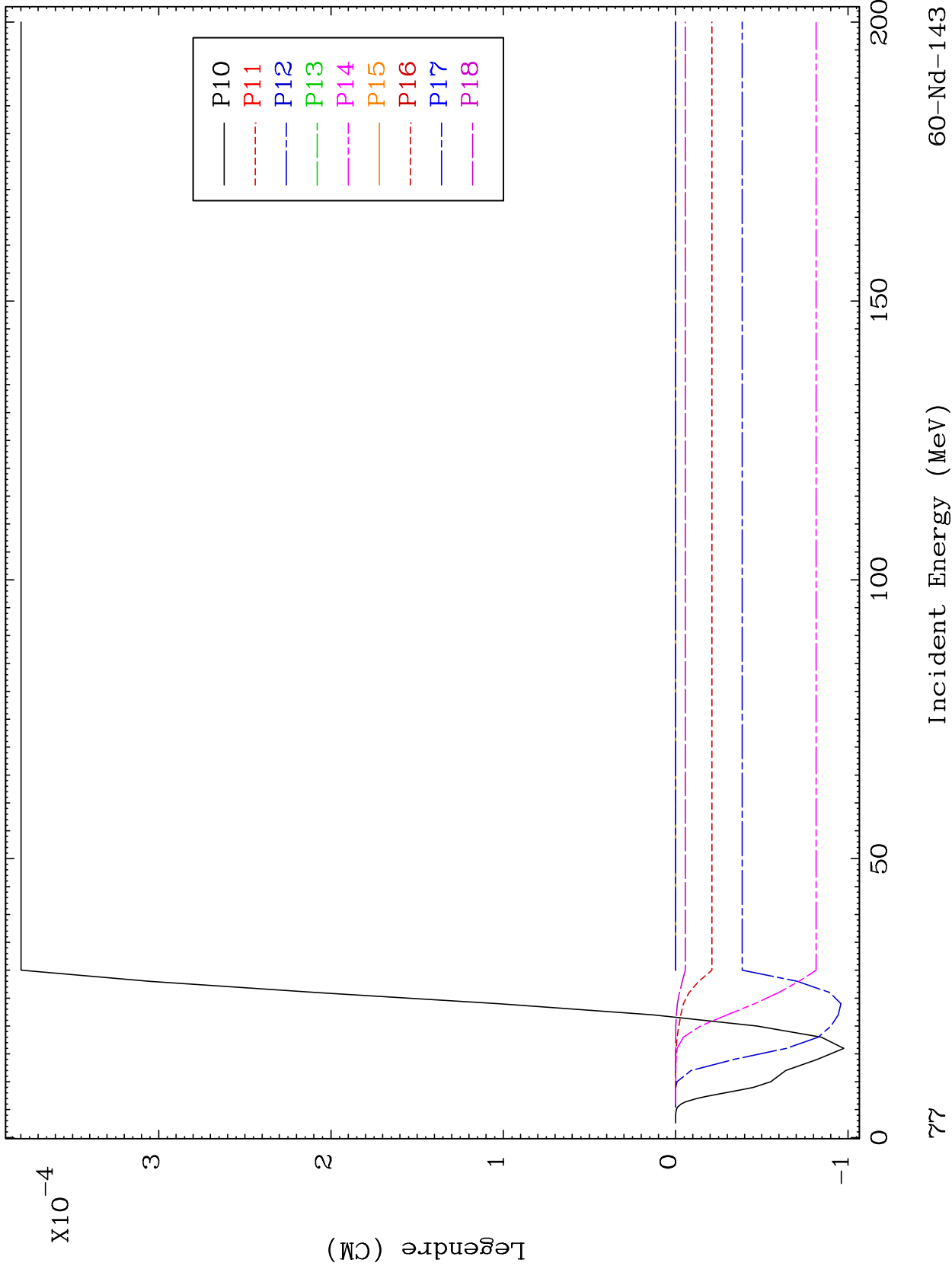
Incident Energy (MeV)

60-Nd-143

MAT 6028

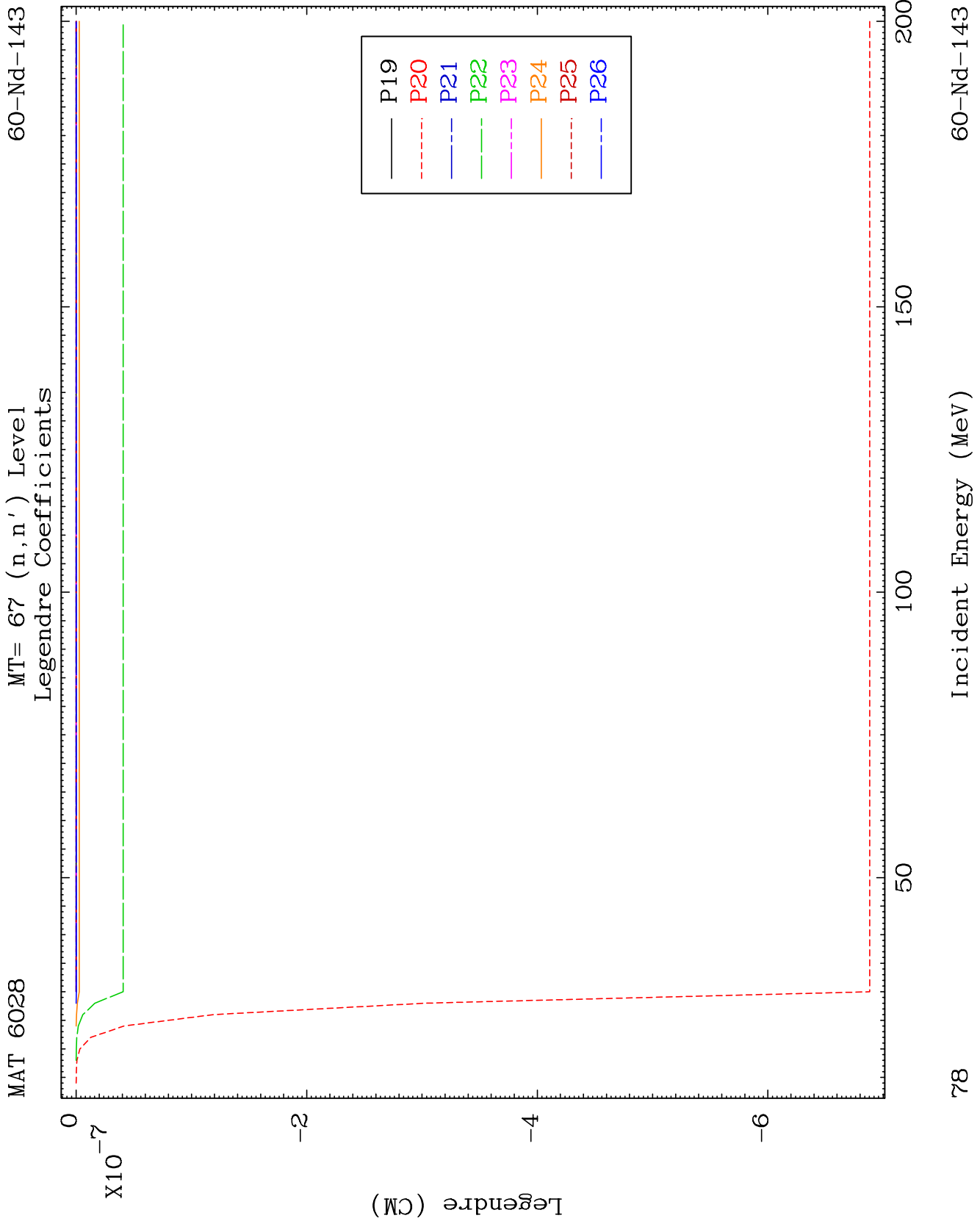
MT= 67 (n,n') Level
Legendre Coefficients

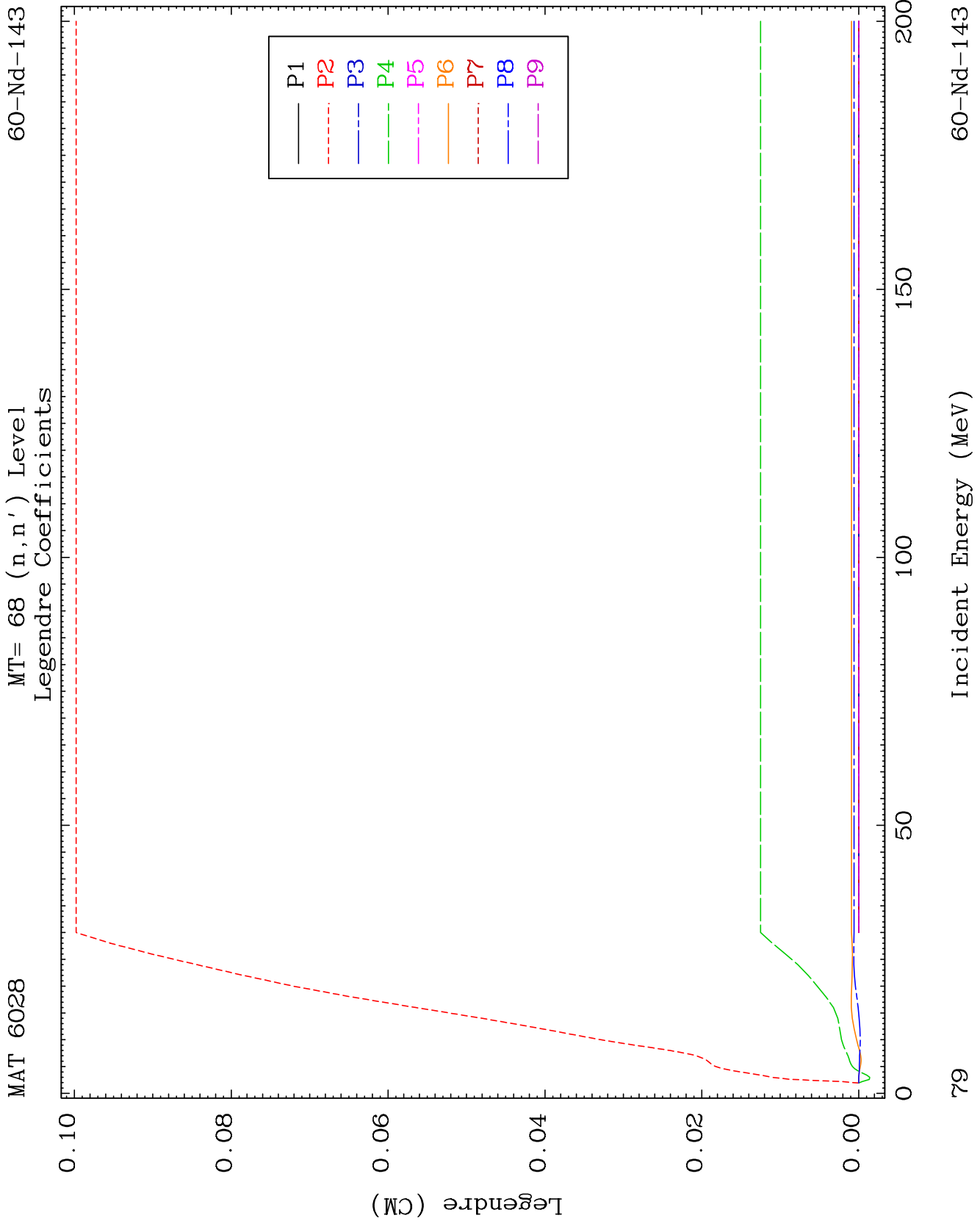
60-Nd-143



77

60-Nd-143

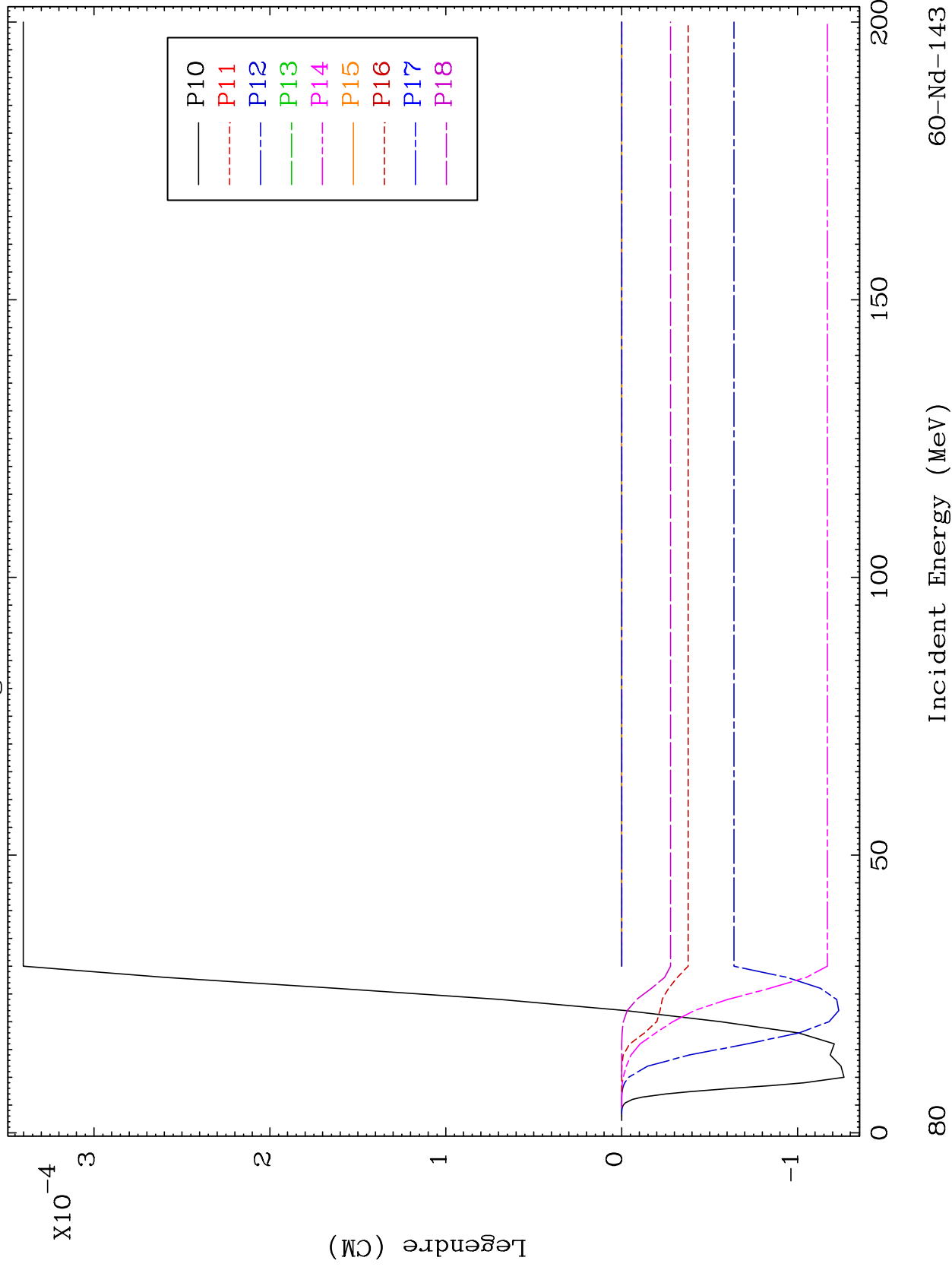




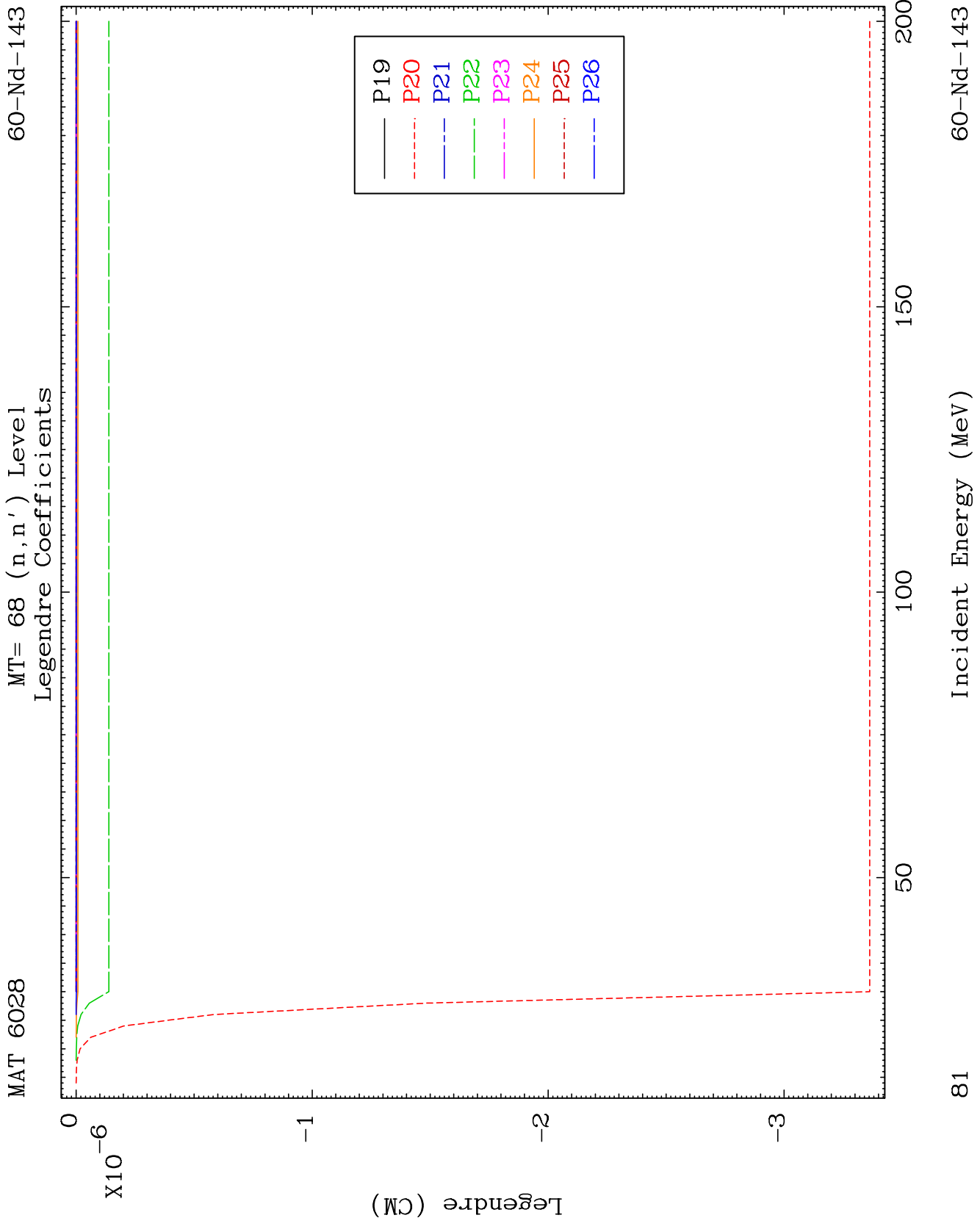
MAT 6028

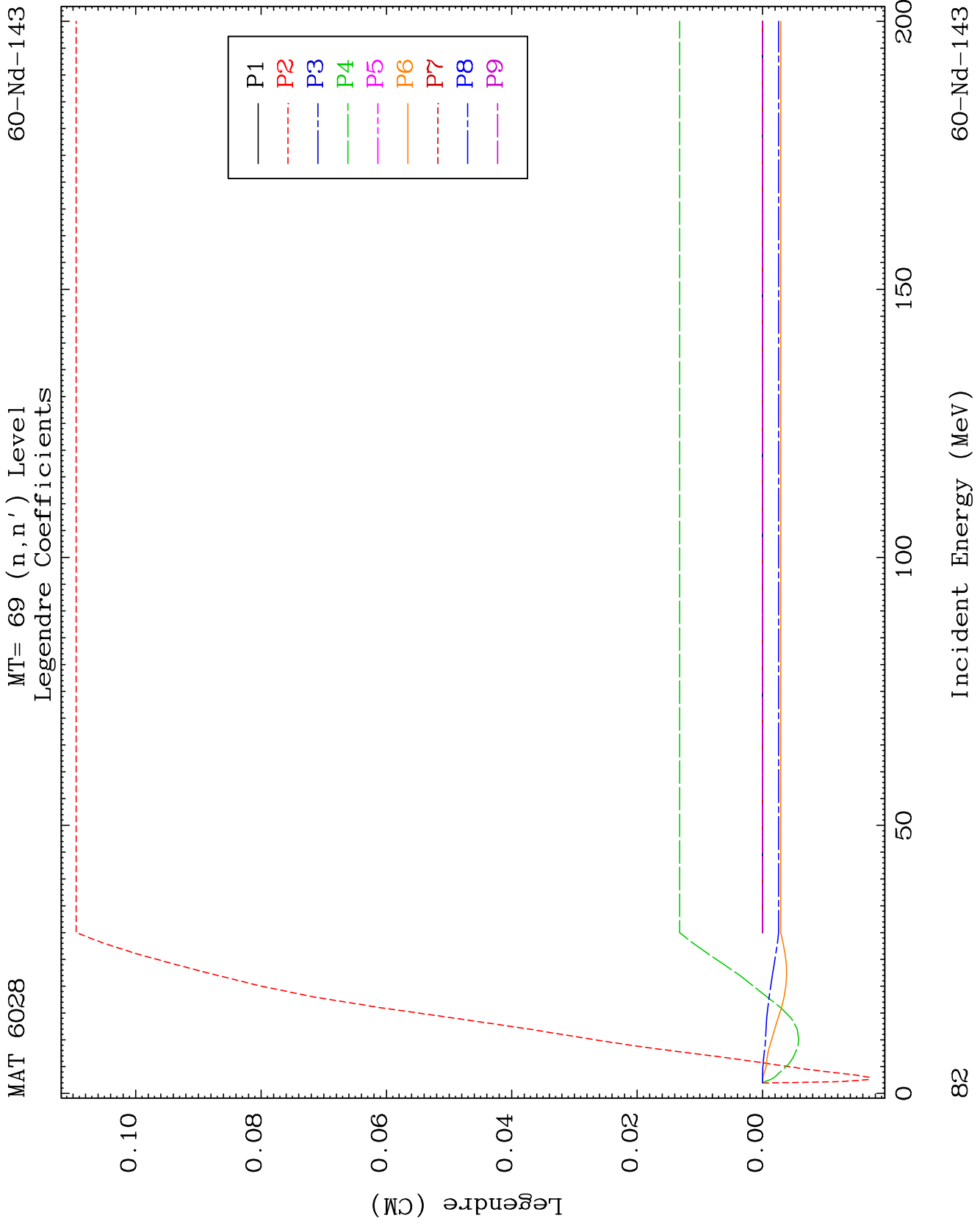
MT= 68 (n,n') Level
Legendre Coefficients

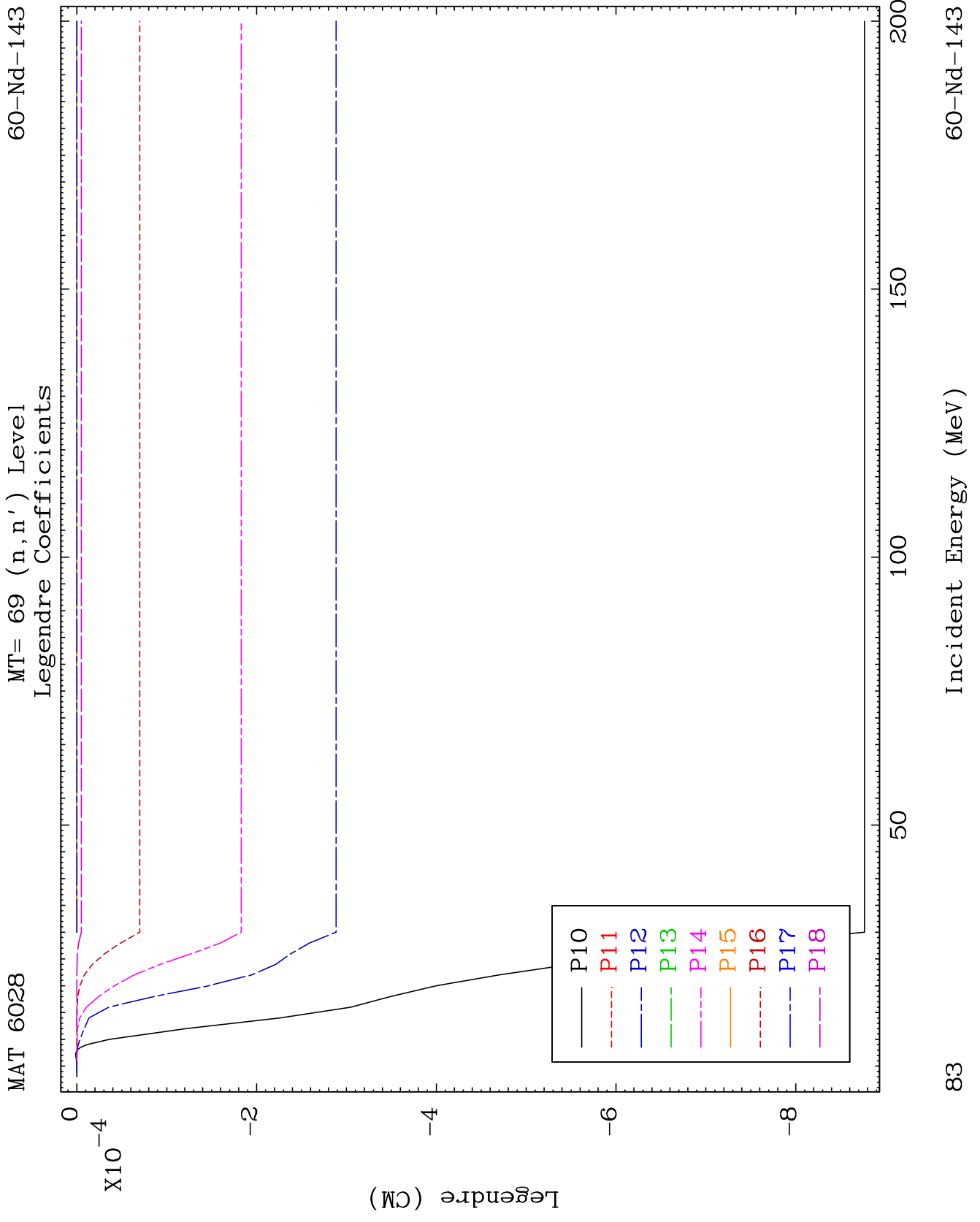
60-Nd-143

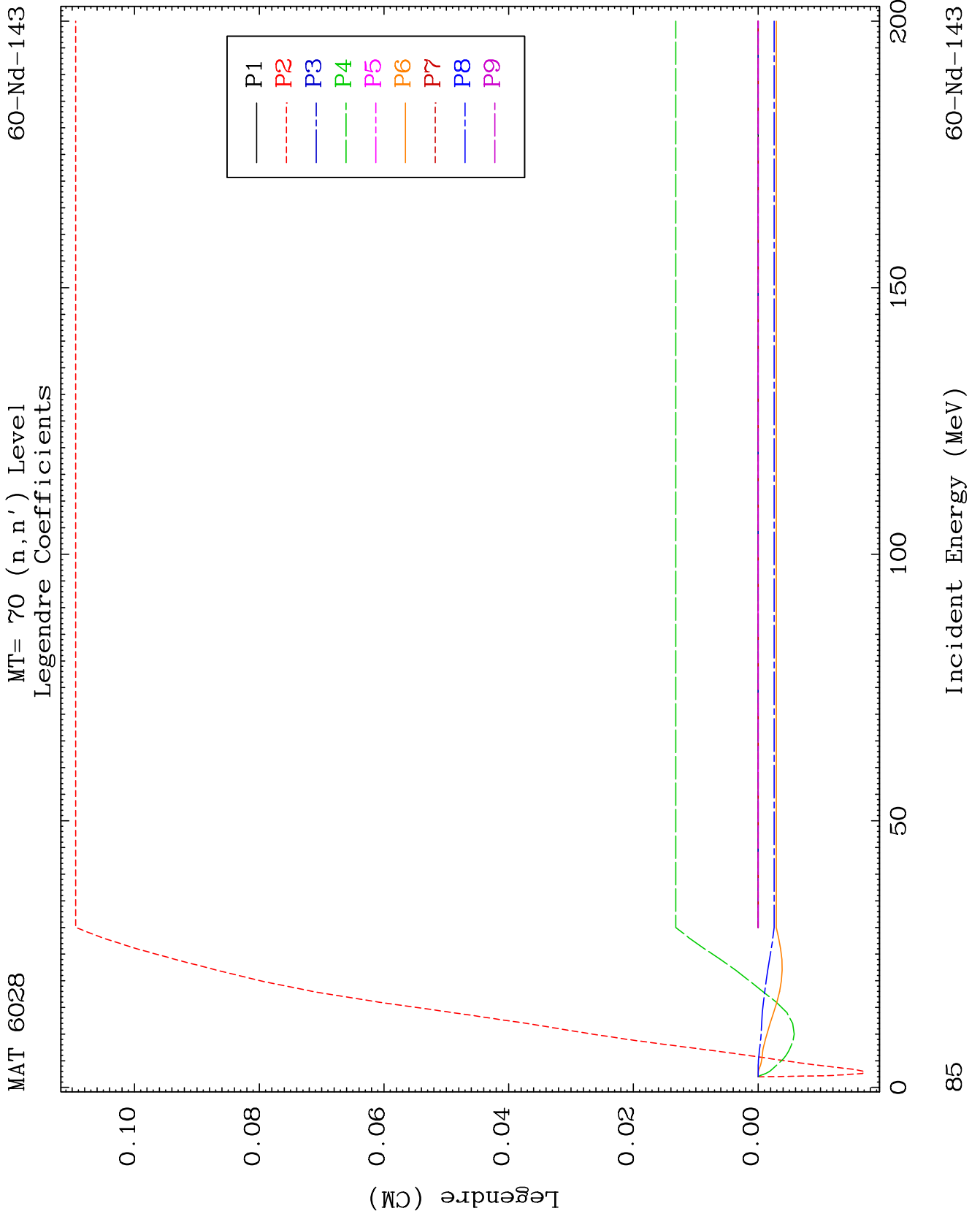


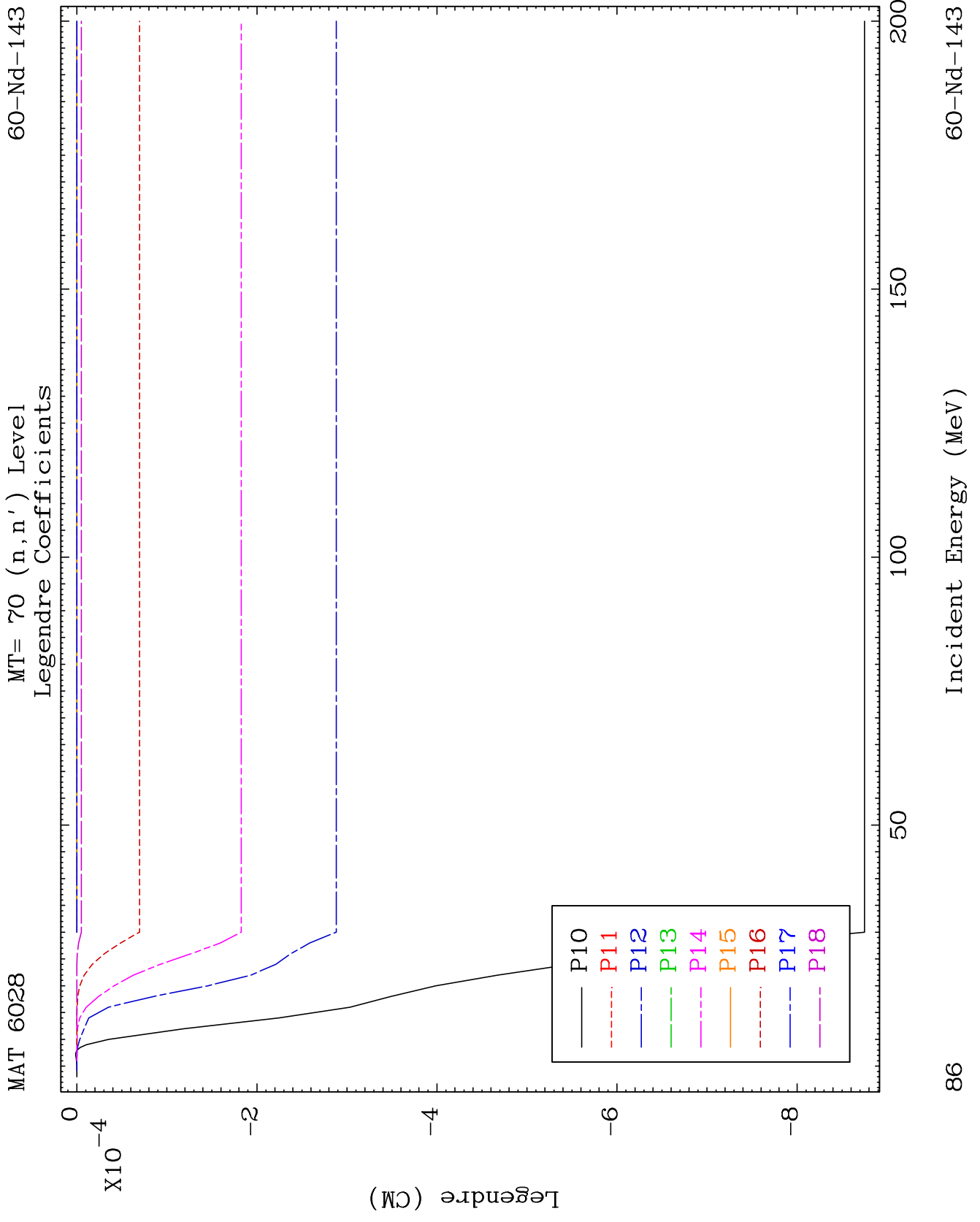
60-Nd-143

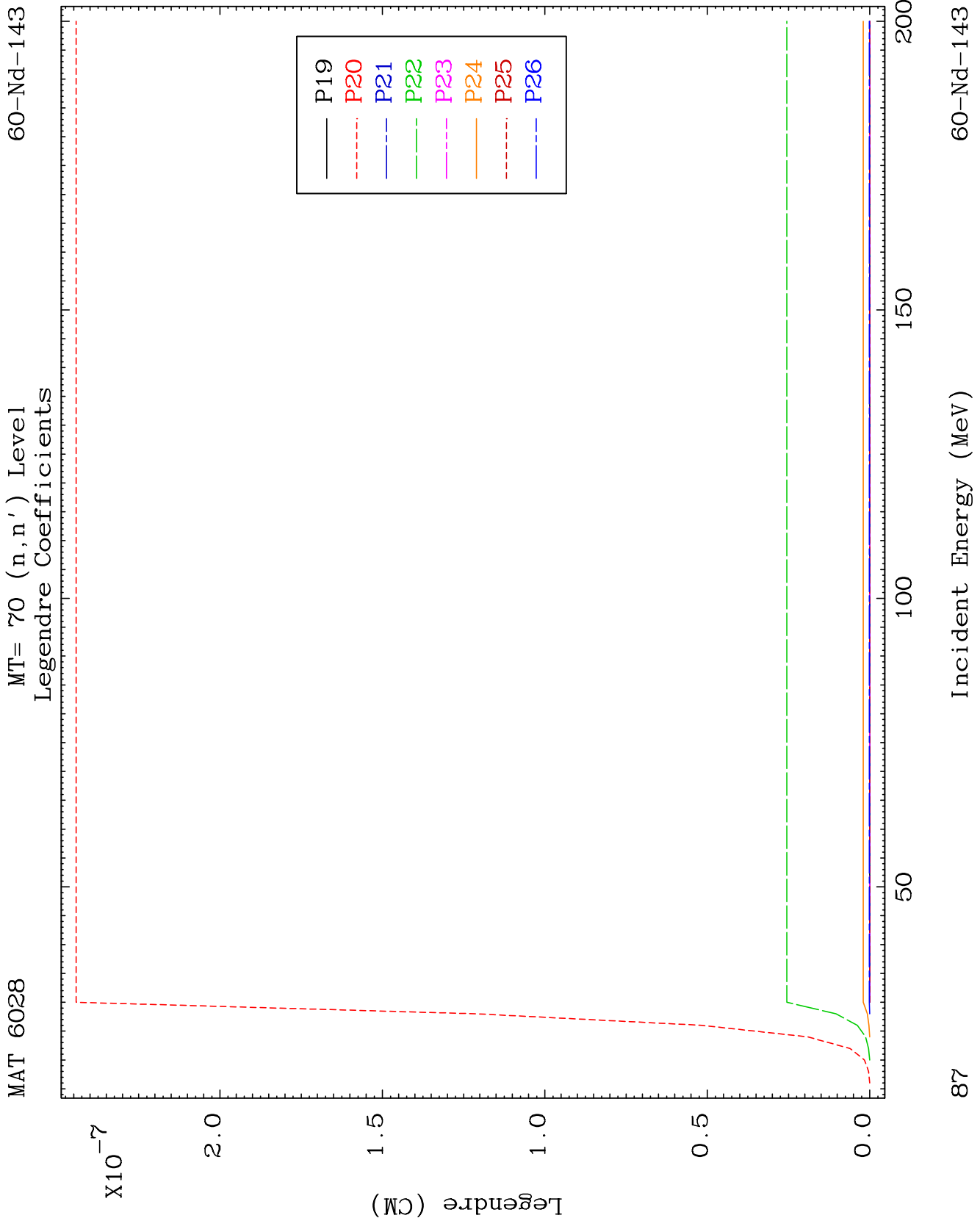








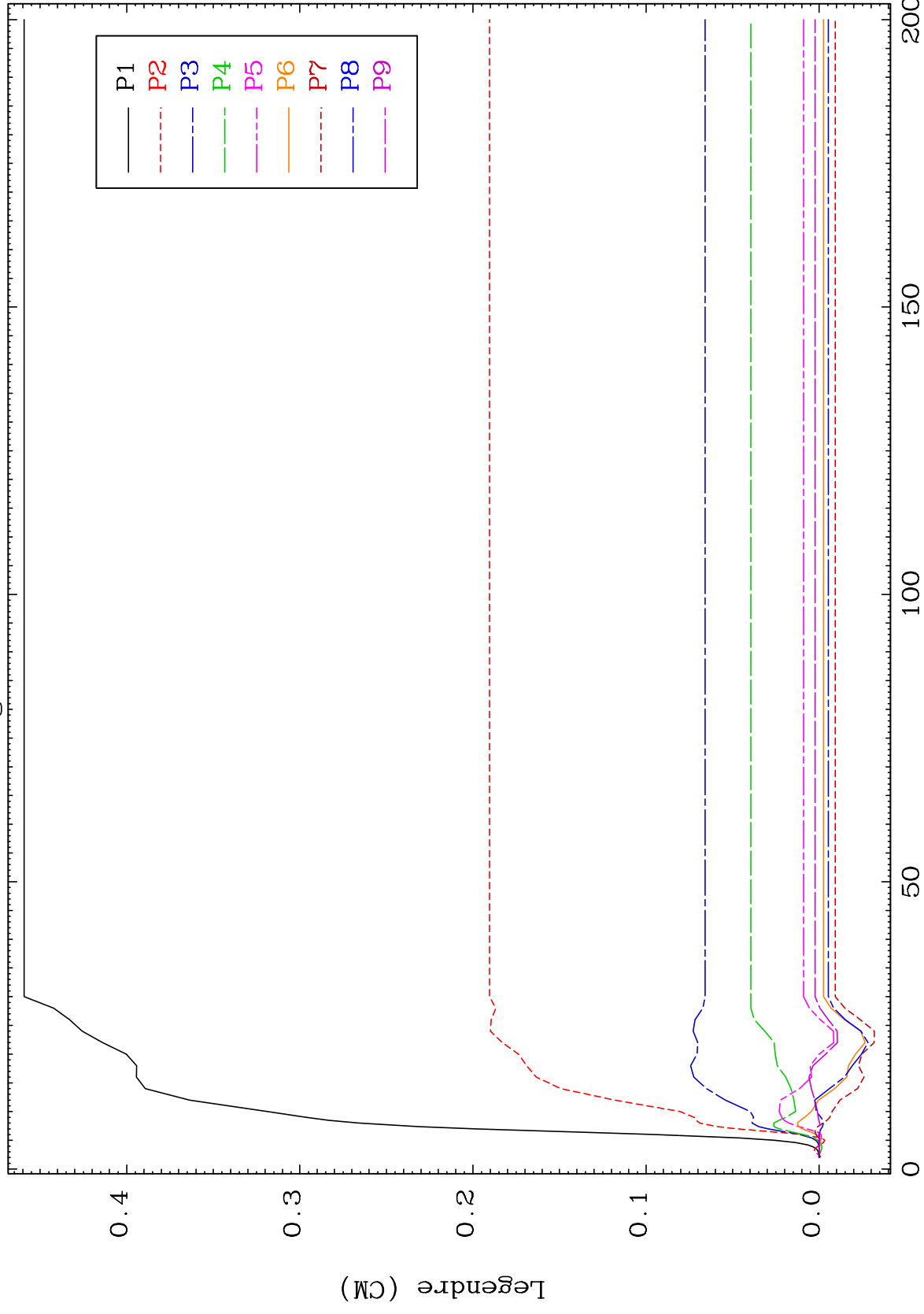




MAT 6028

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

60-Nd-143



60-Nd-143

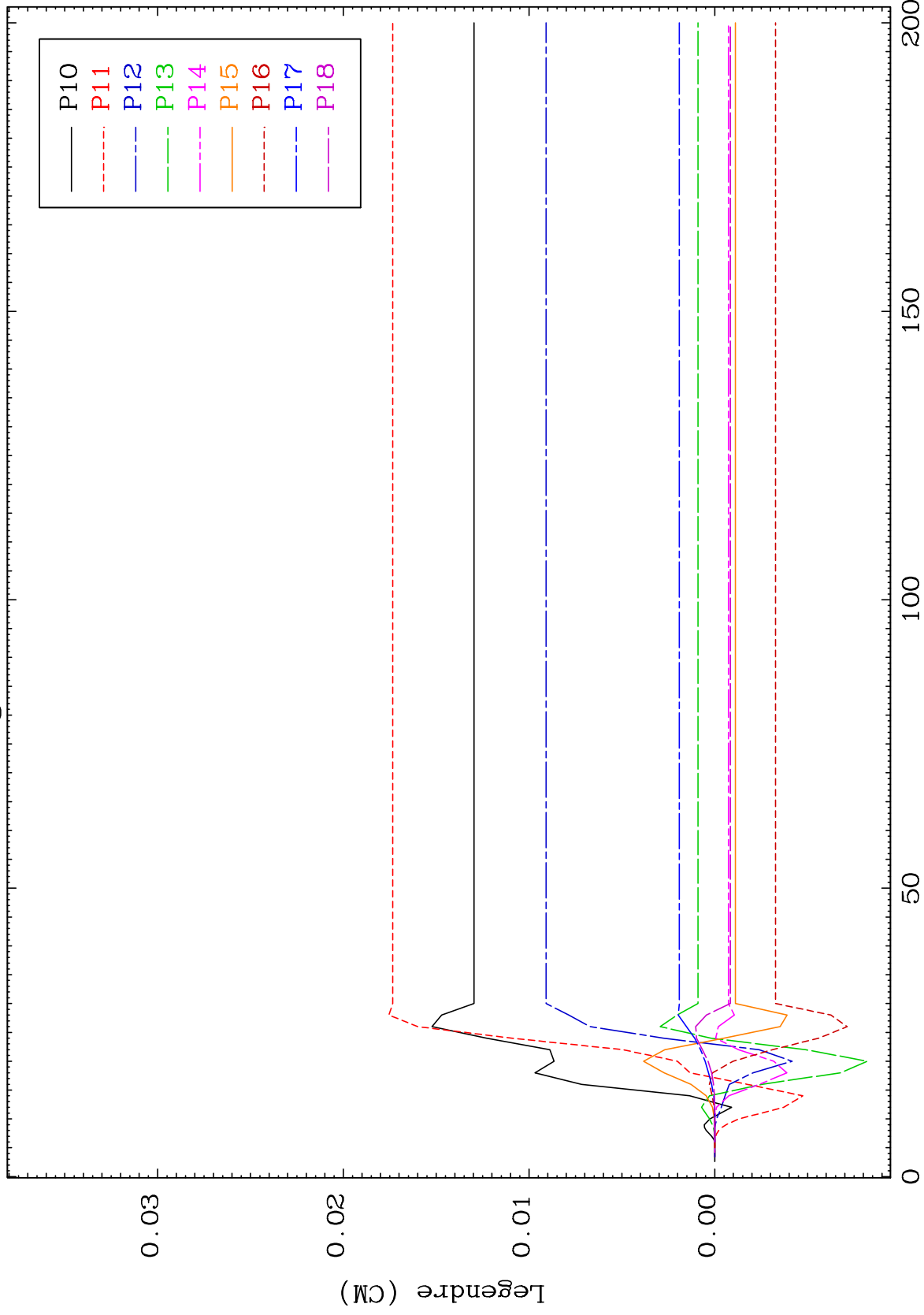
Incident Energy (MeV)

88

MAT 6028

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

60-Nd-143



89

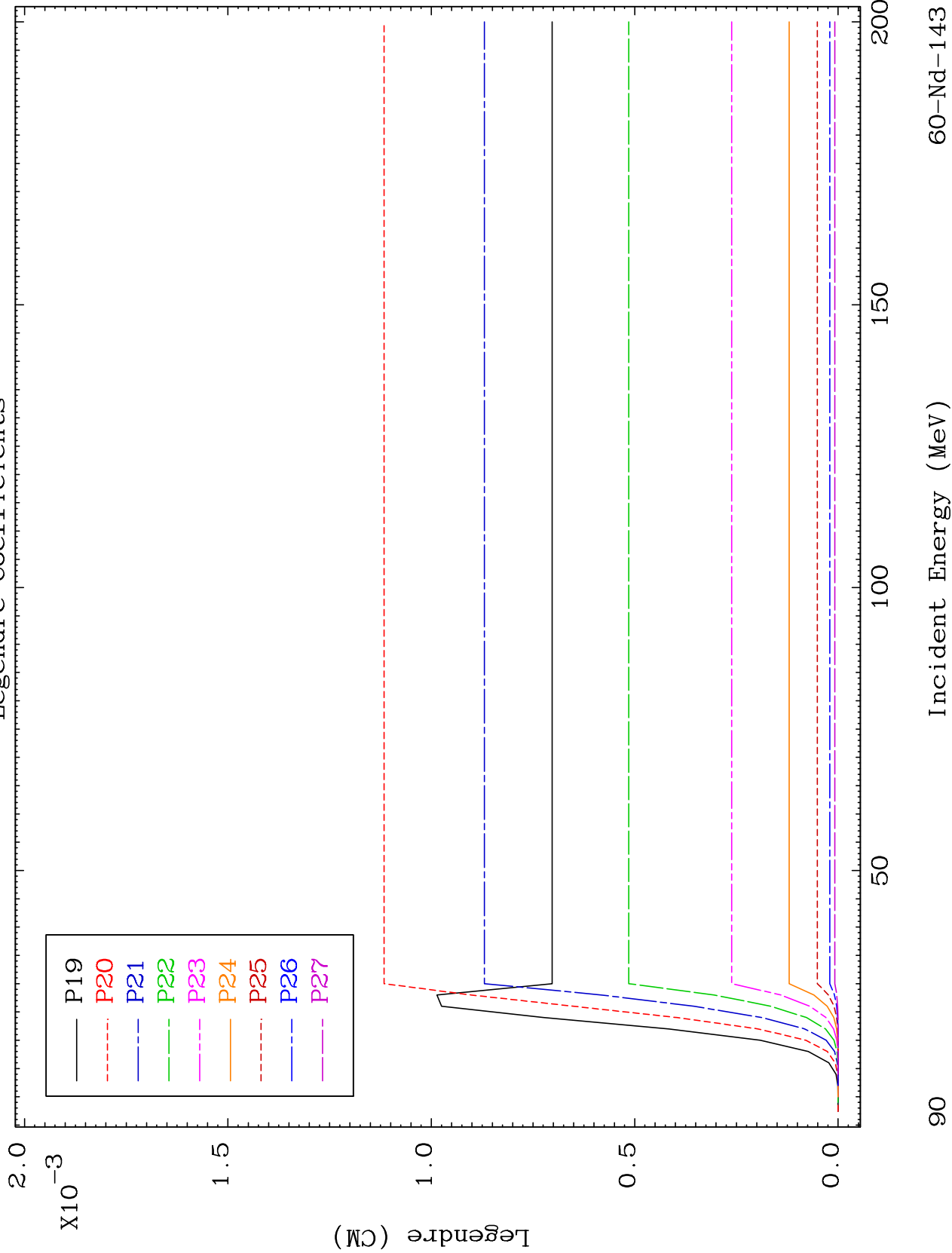
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

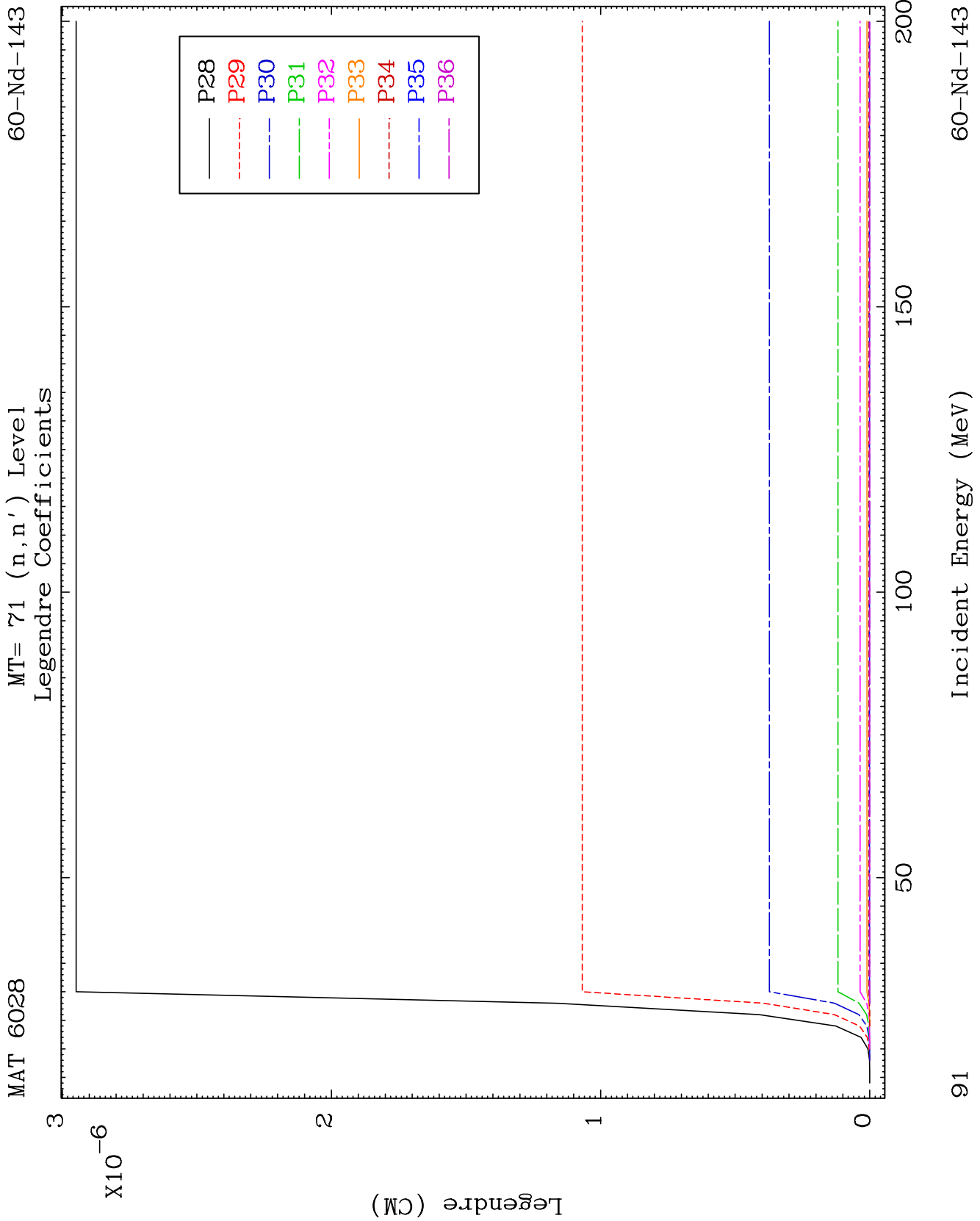
60-Nd-143



90

Incident Energy (MeV)

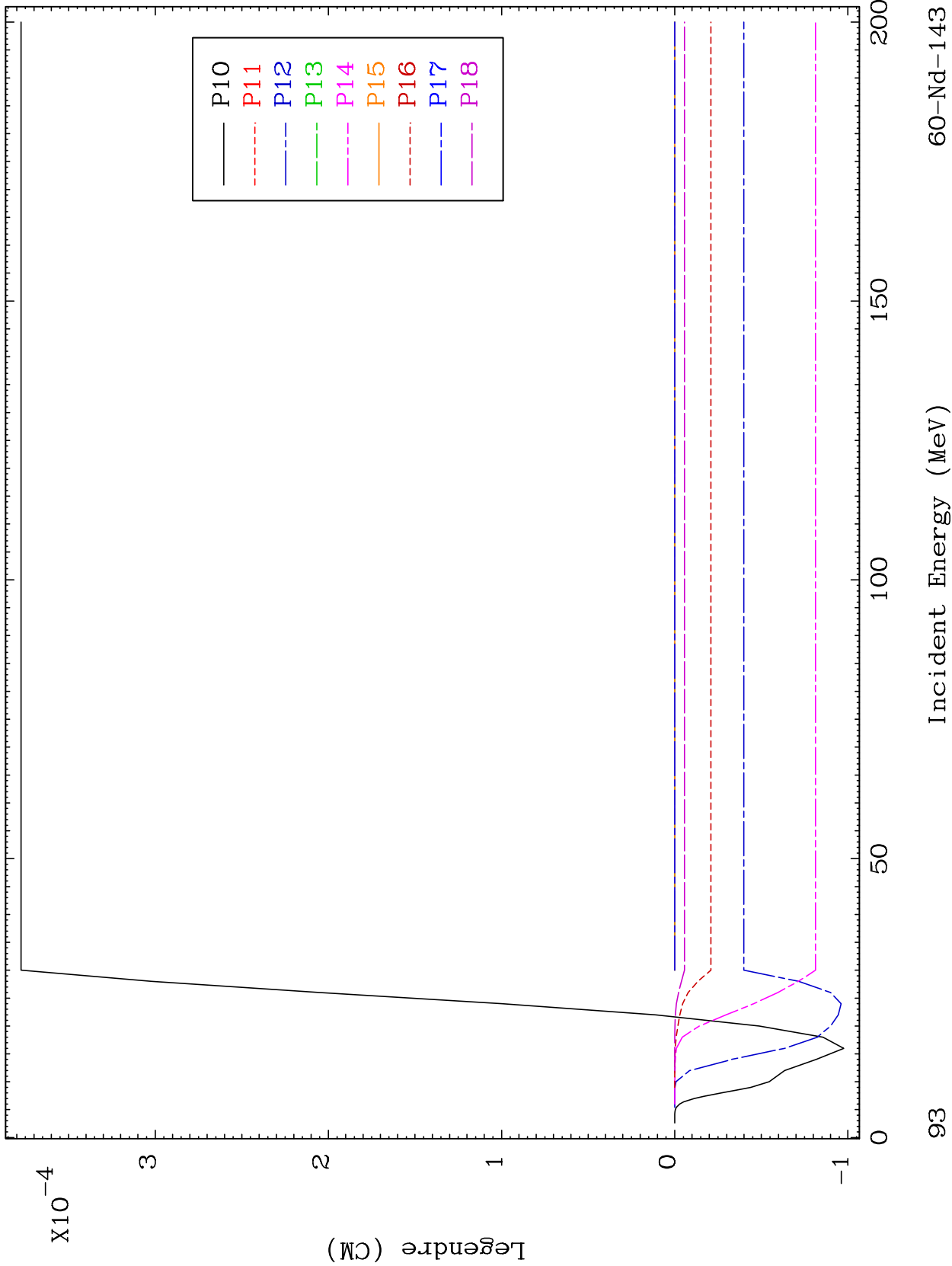
60-Nd-143

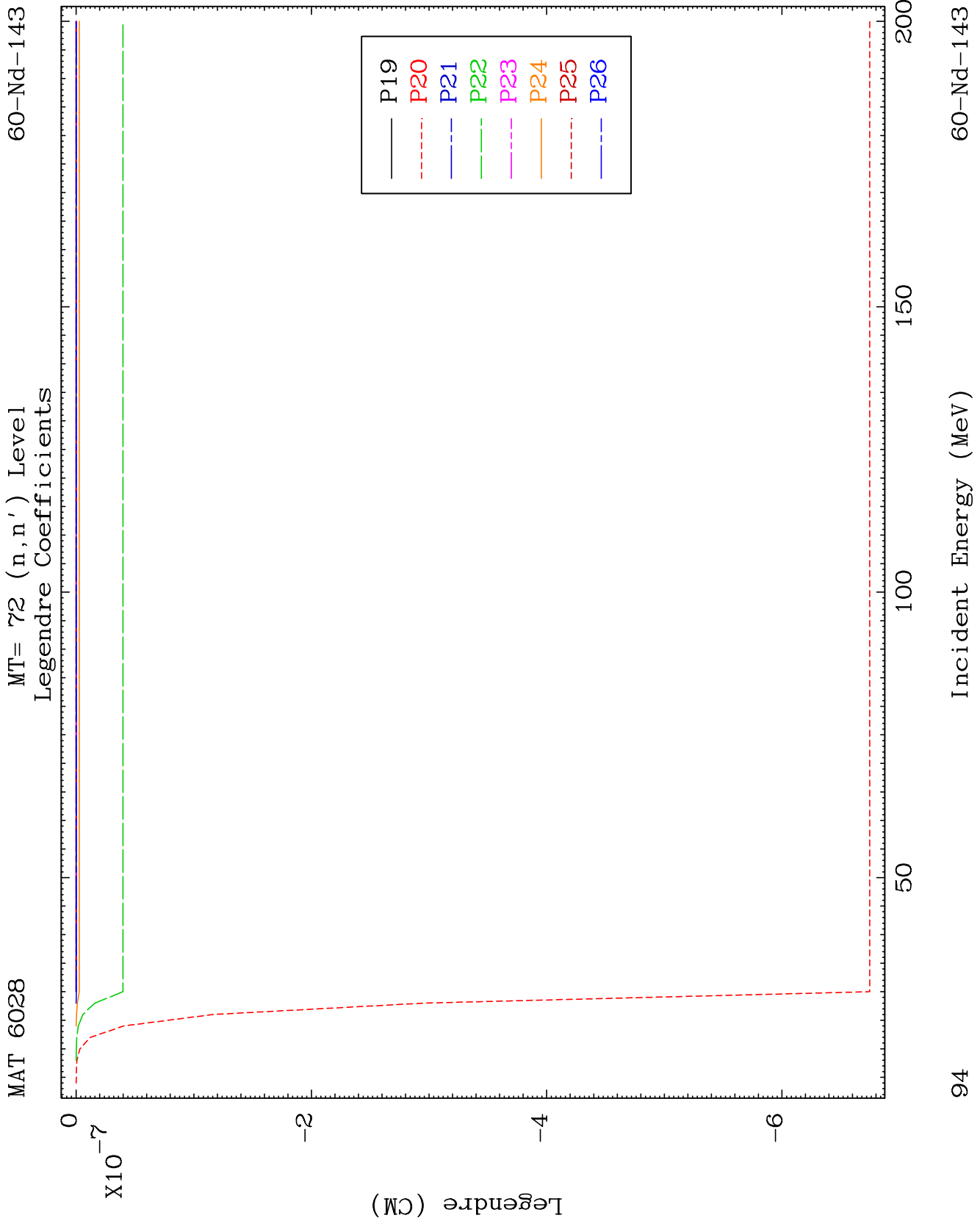


MAT 6028

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

60-Nd-143

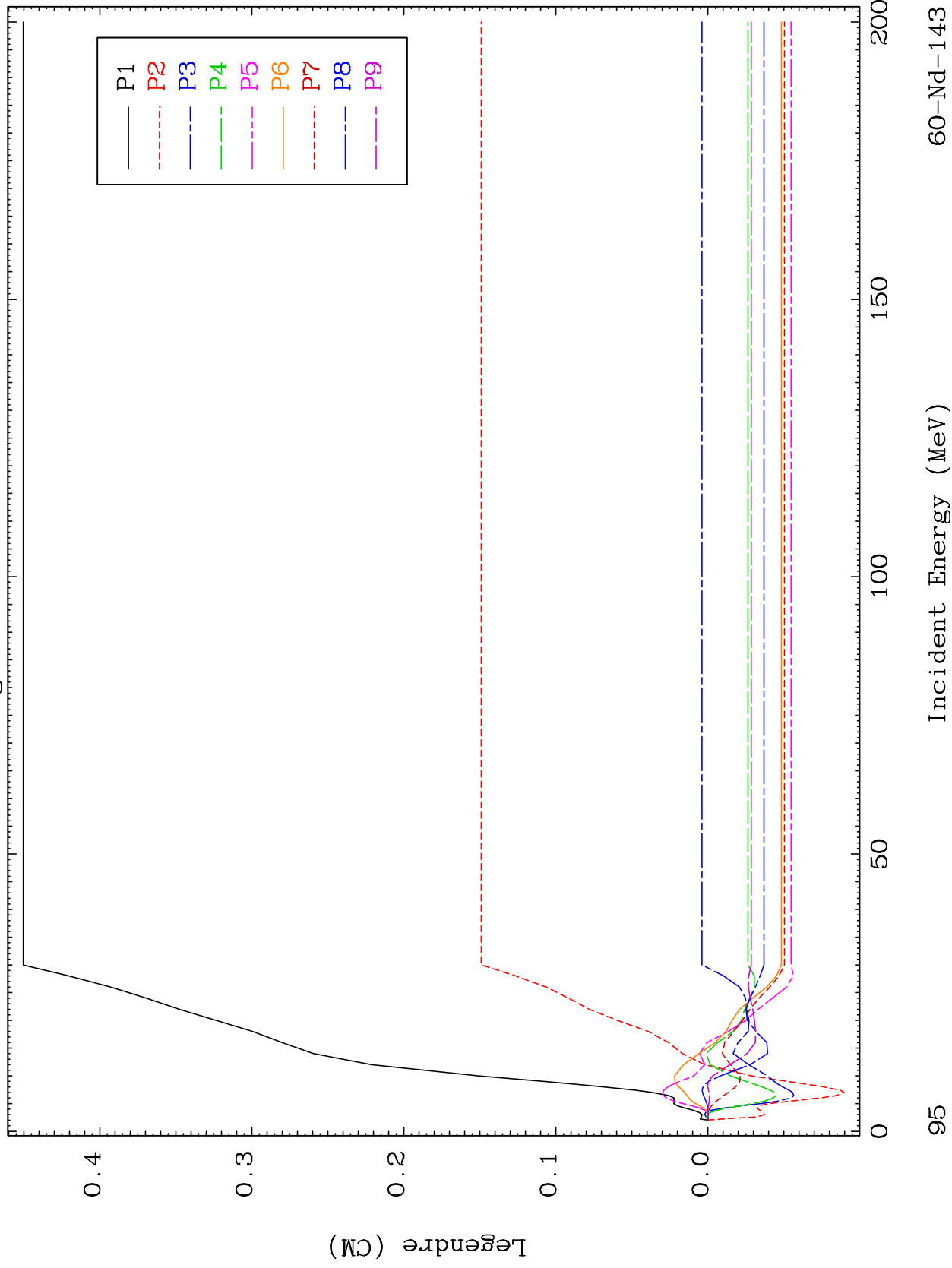




MAT 6028

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

60-Nd-143



60-Nd-143

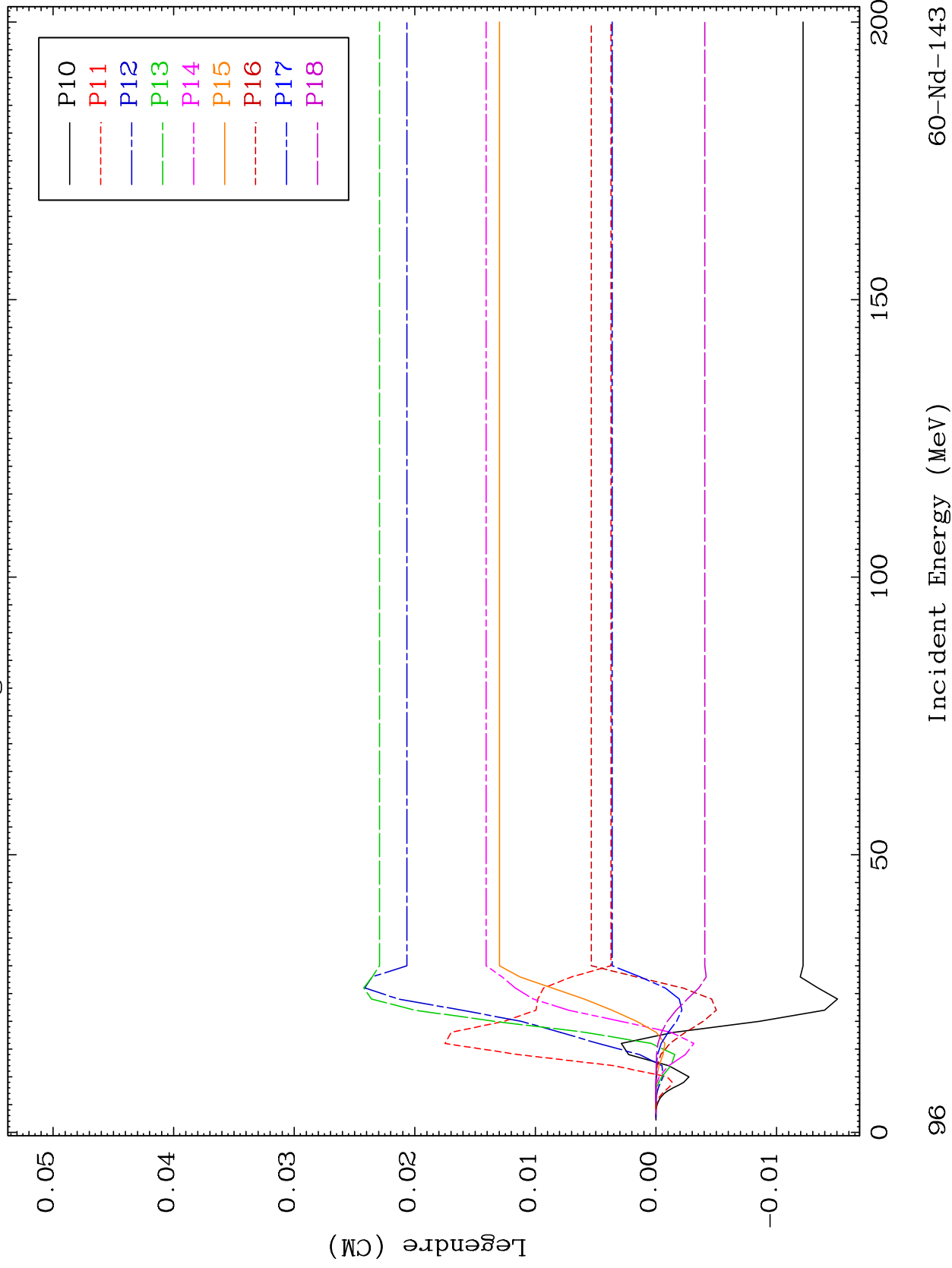
Incident Energy (MeV)

95

MAT 6028

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

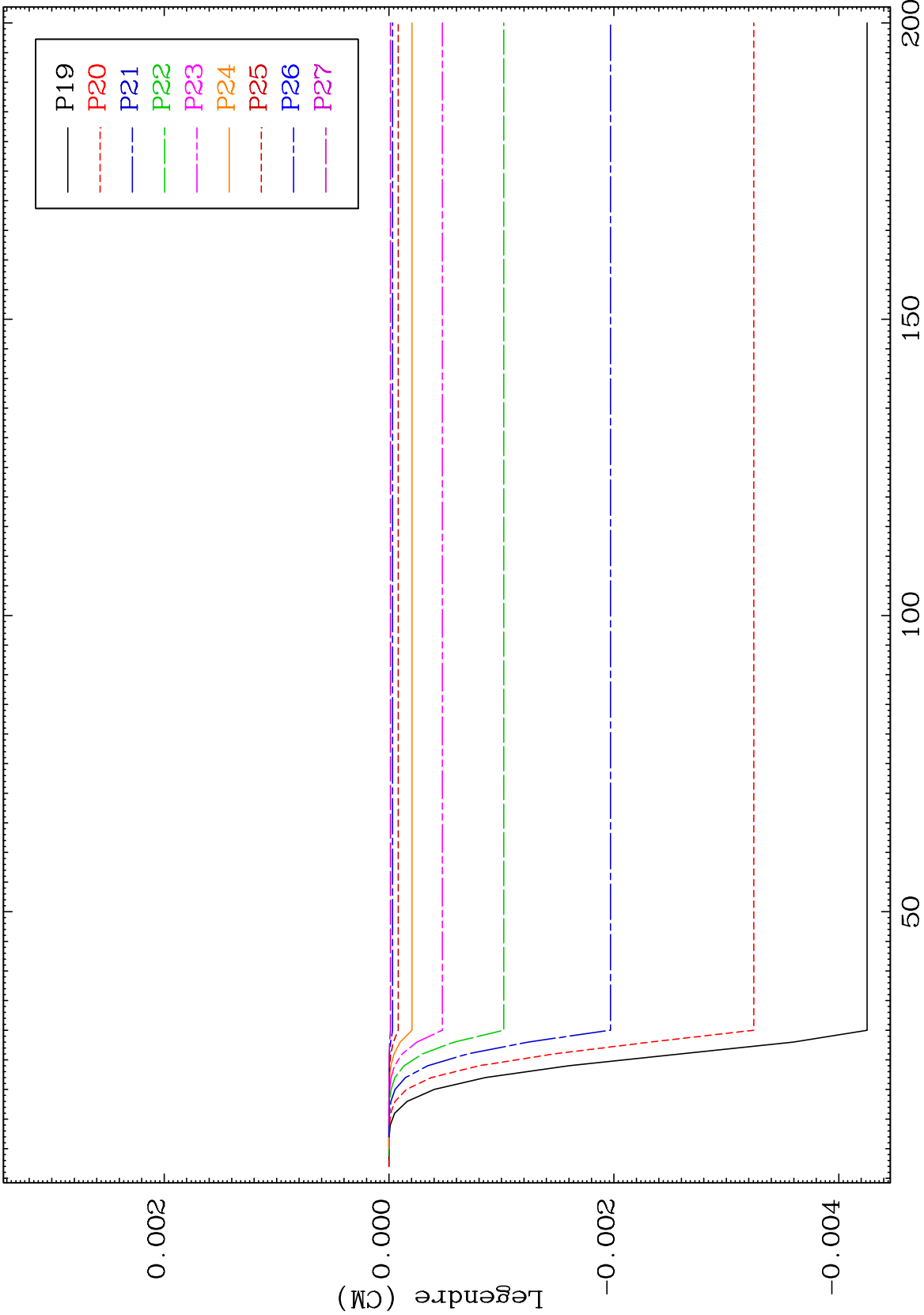
60-Nd-143



MAT 6028

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

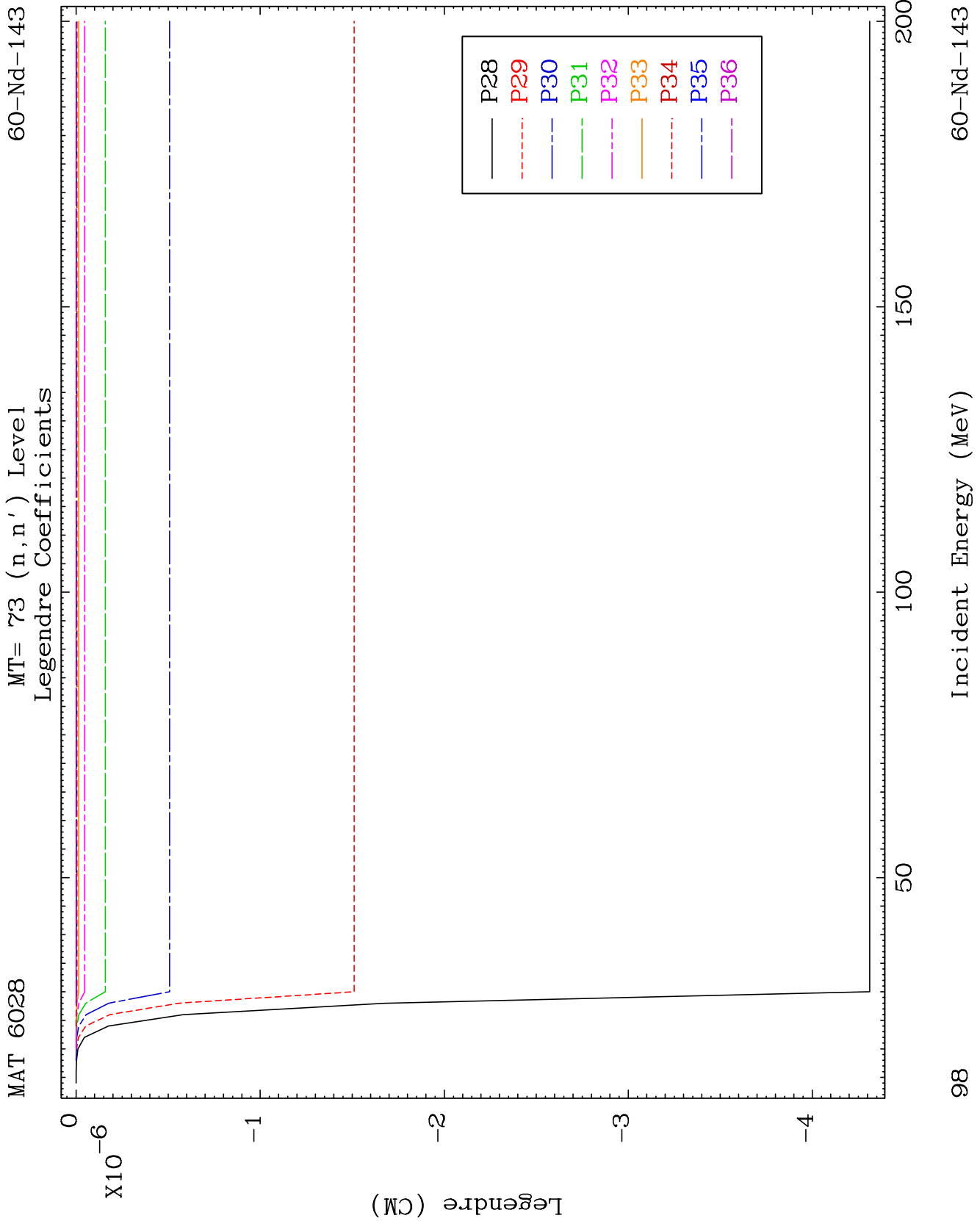
60-Nd-143



97

Incident Energy (MeV)

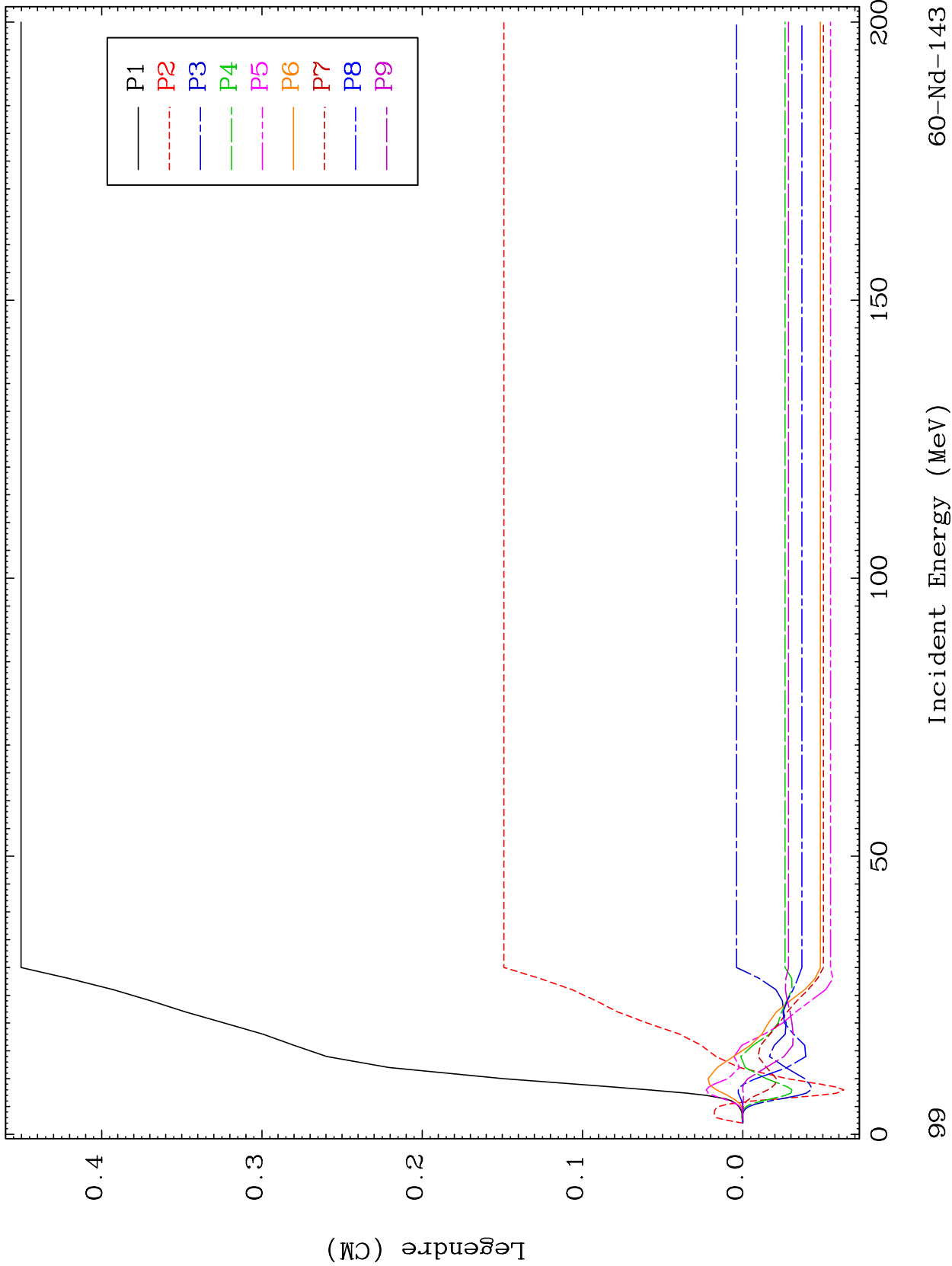
60-Nd-143



MAT 6028

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

60-Nd-143



60-Nd-143

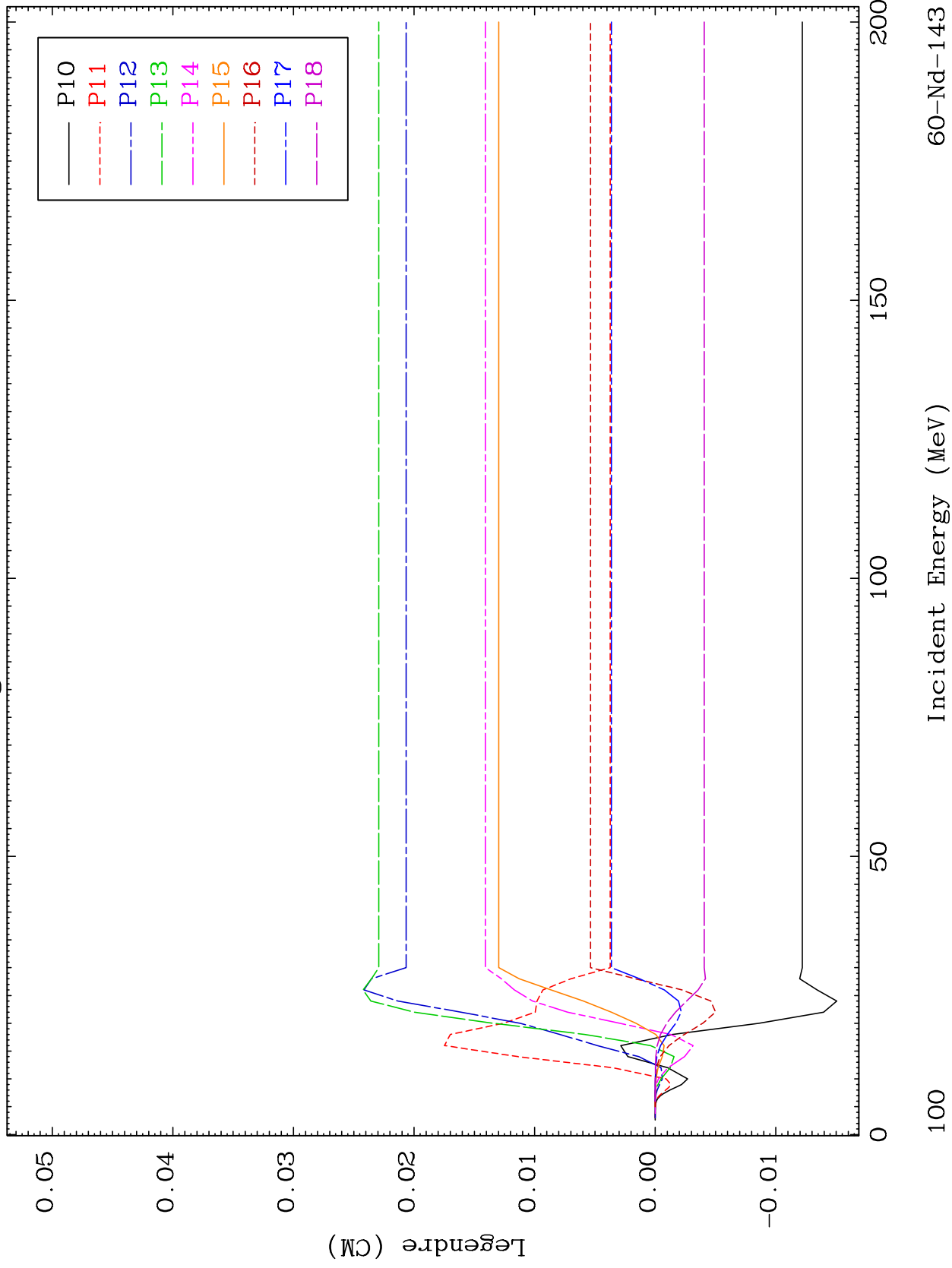
Incident Energy (MeV)

99

MAT 6028

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

60-Nd-143



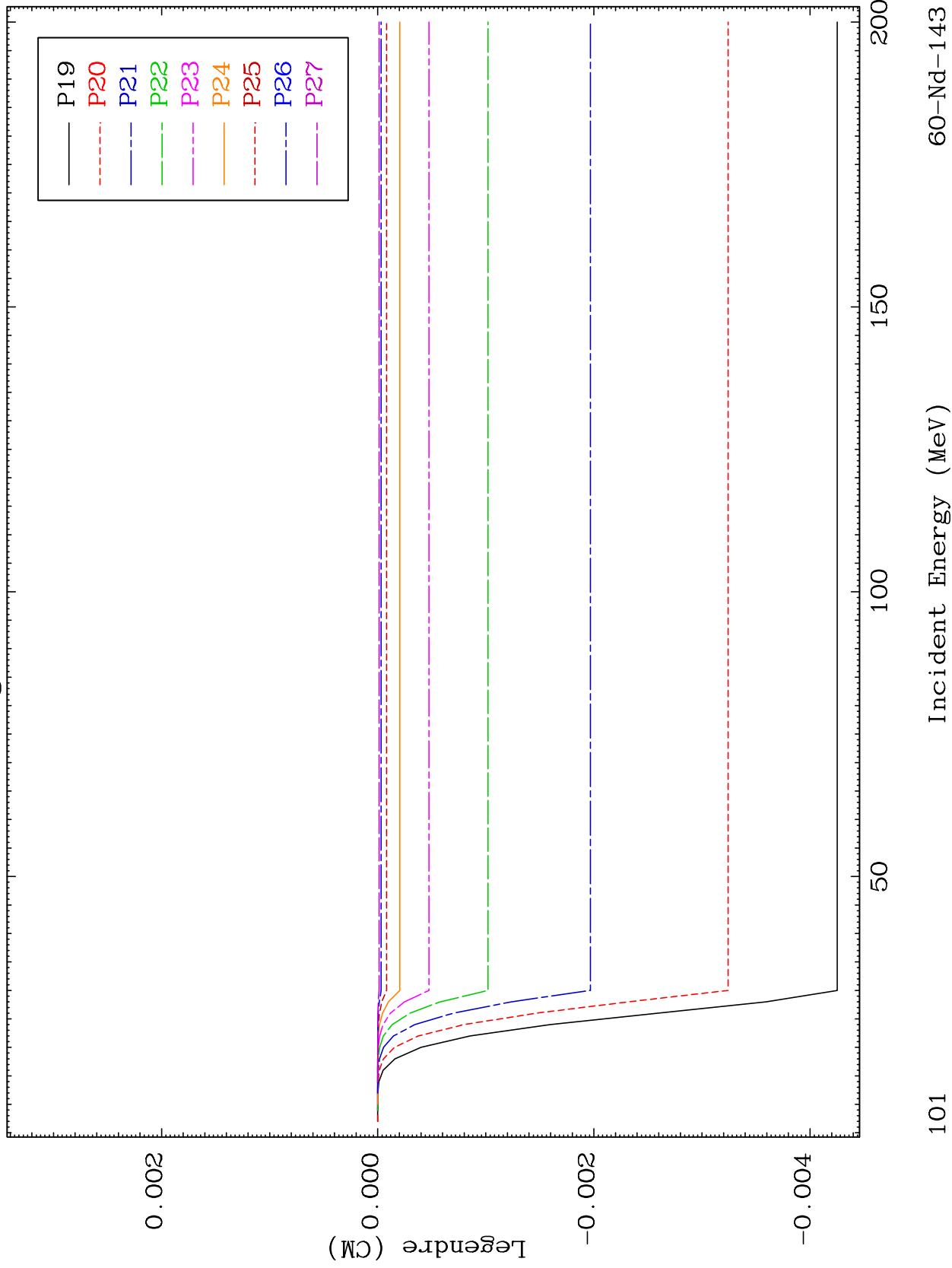
60-Nd-143

Incident Energy (MeV)

MAT 6028

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

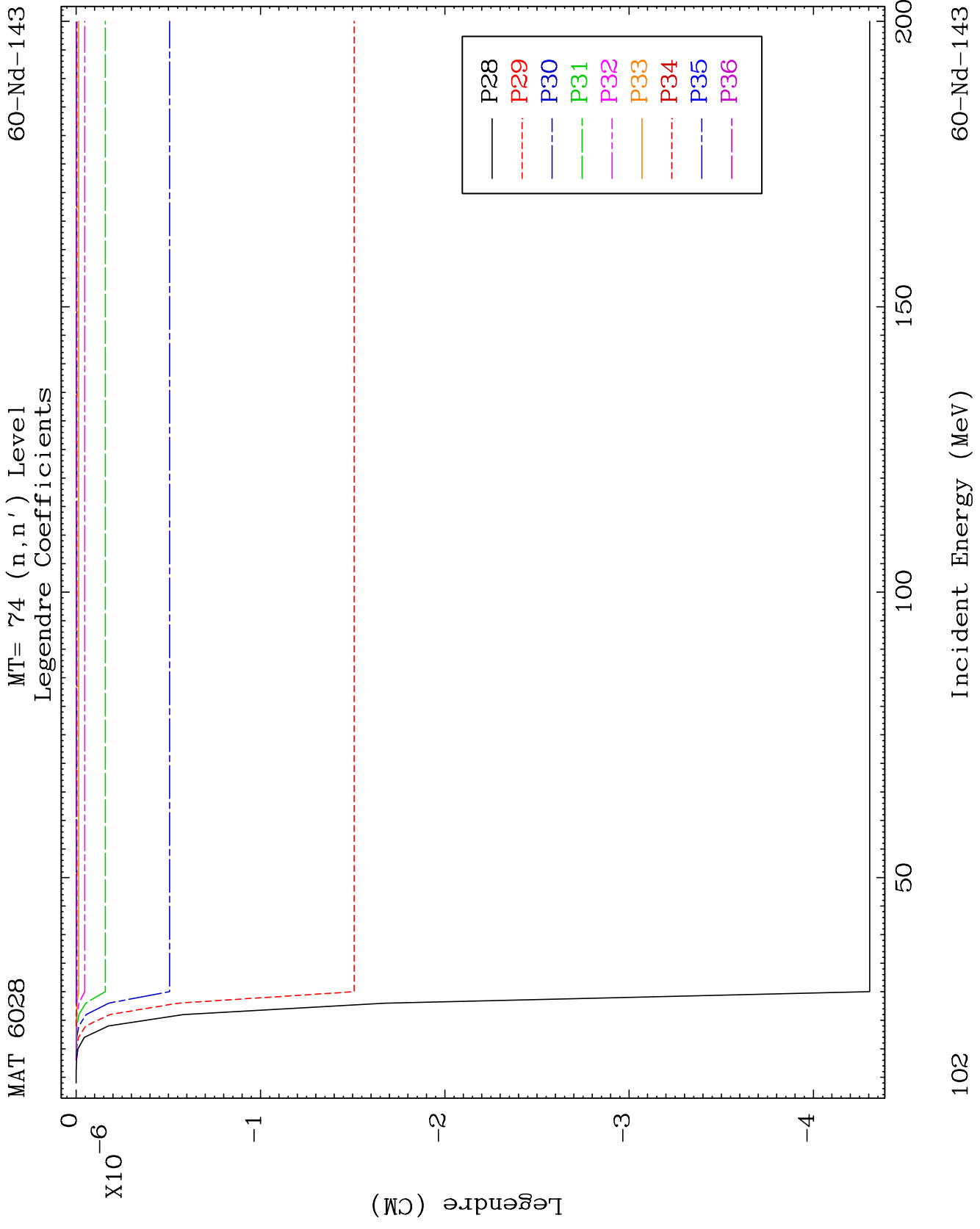
60-Nd-143



101

Incident Energy (MeV)

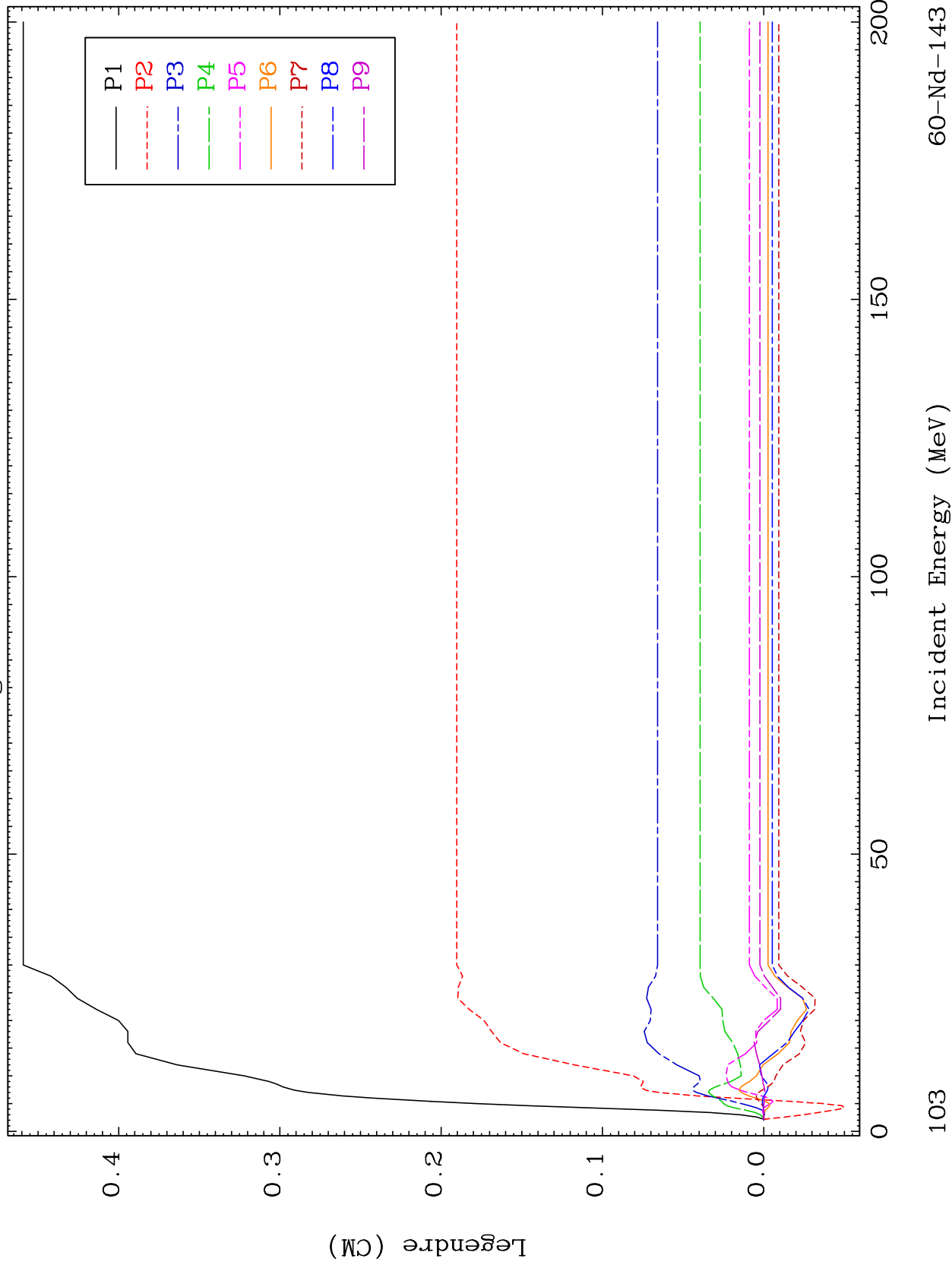
60-Nd-143



MAT 6028

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

60-Nd-143



60-Nd-143

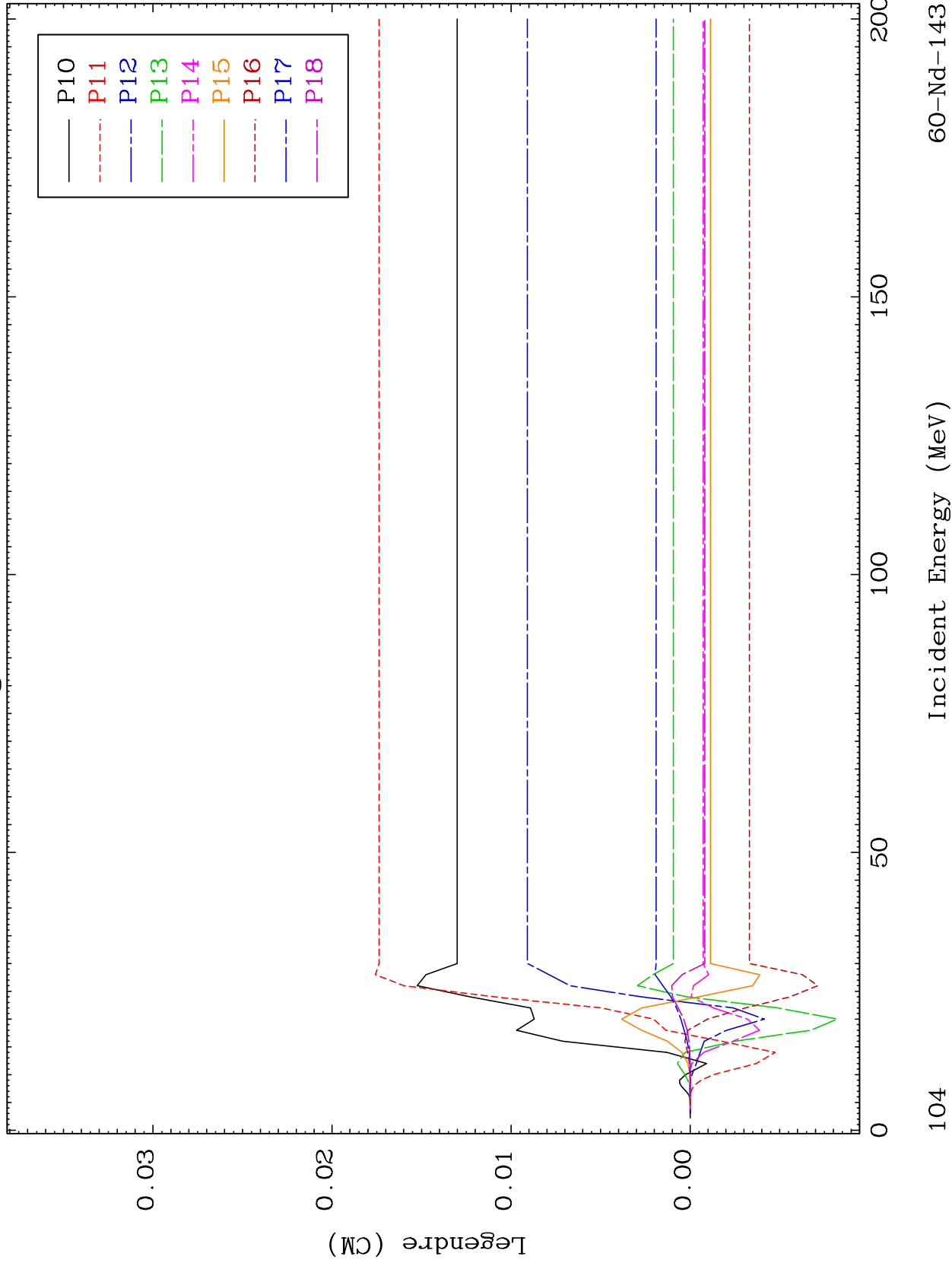
Incident Energy (MeV)

103

MAT 6028

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

60-Nd-143



60-Nd-143

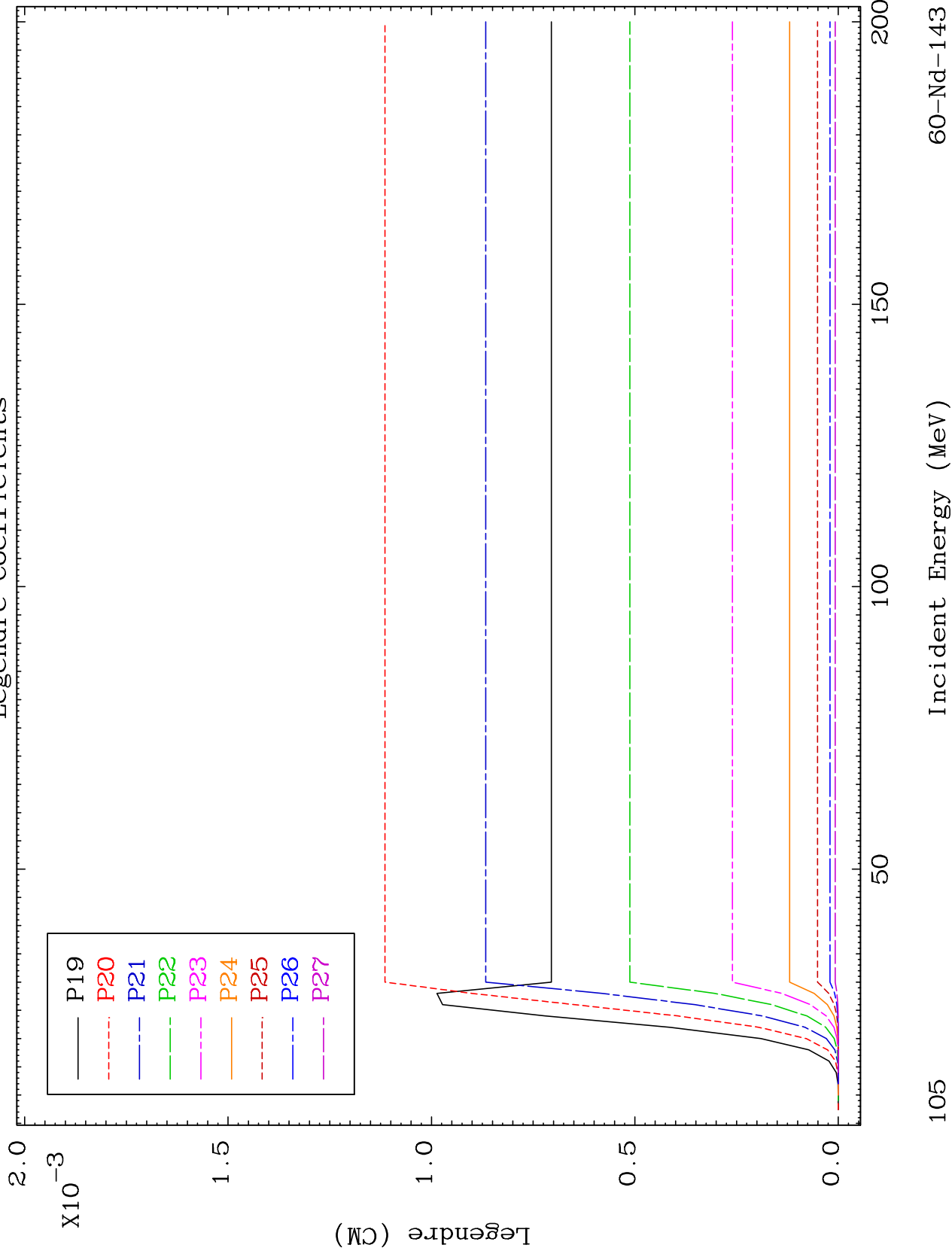
Incident Energy (MeV)

104

MAT 6028

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

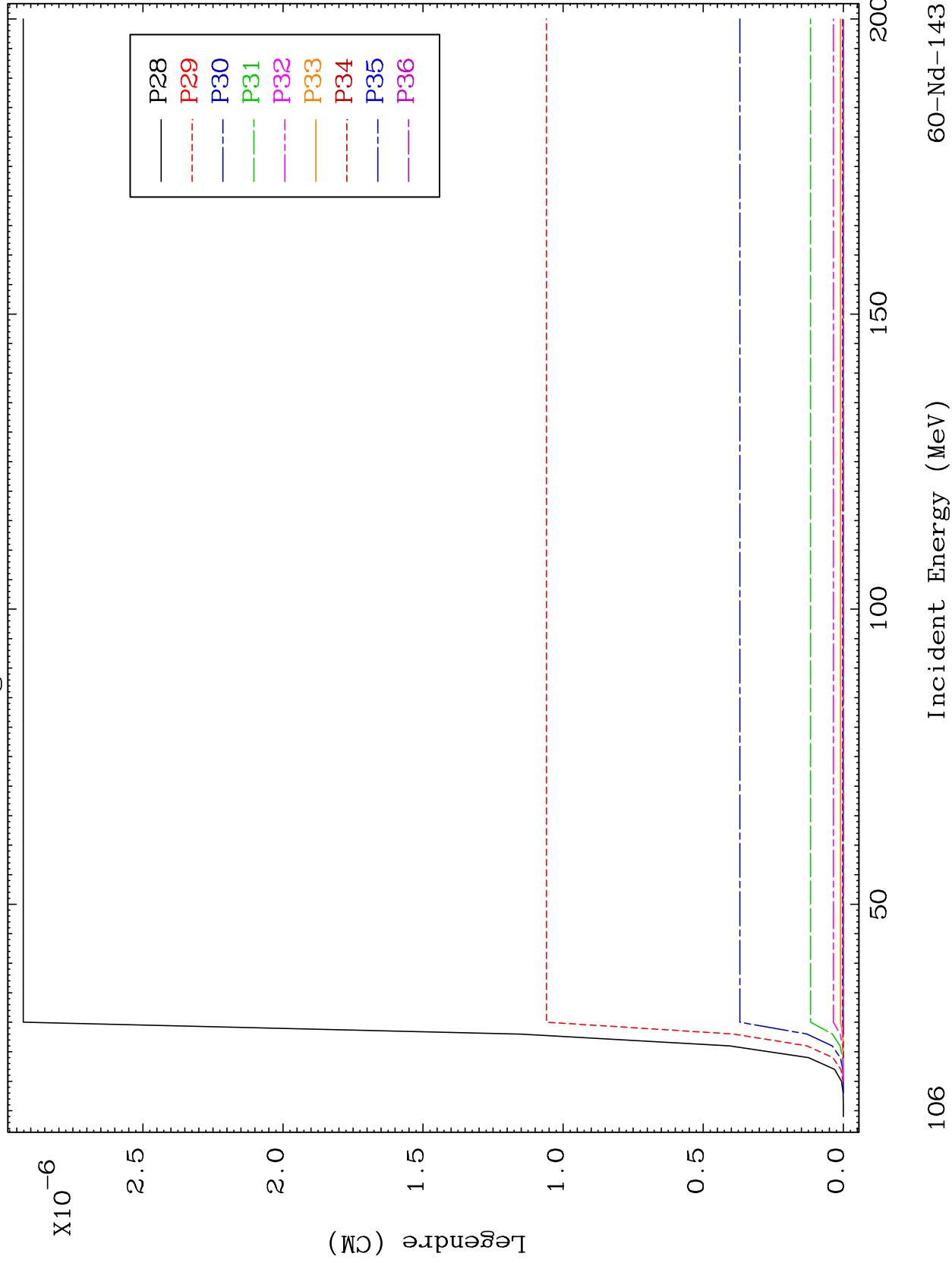
60-Nd-143



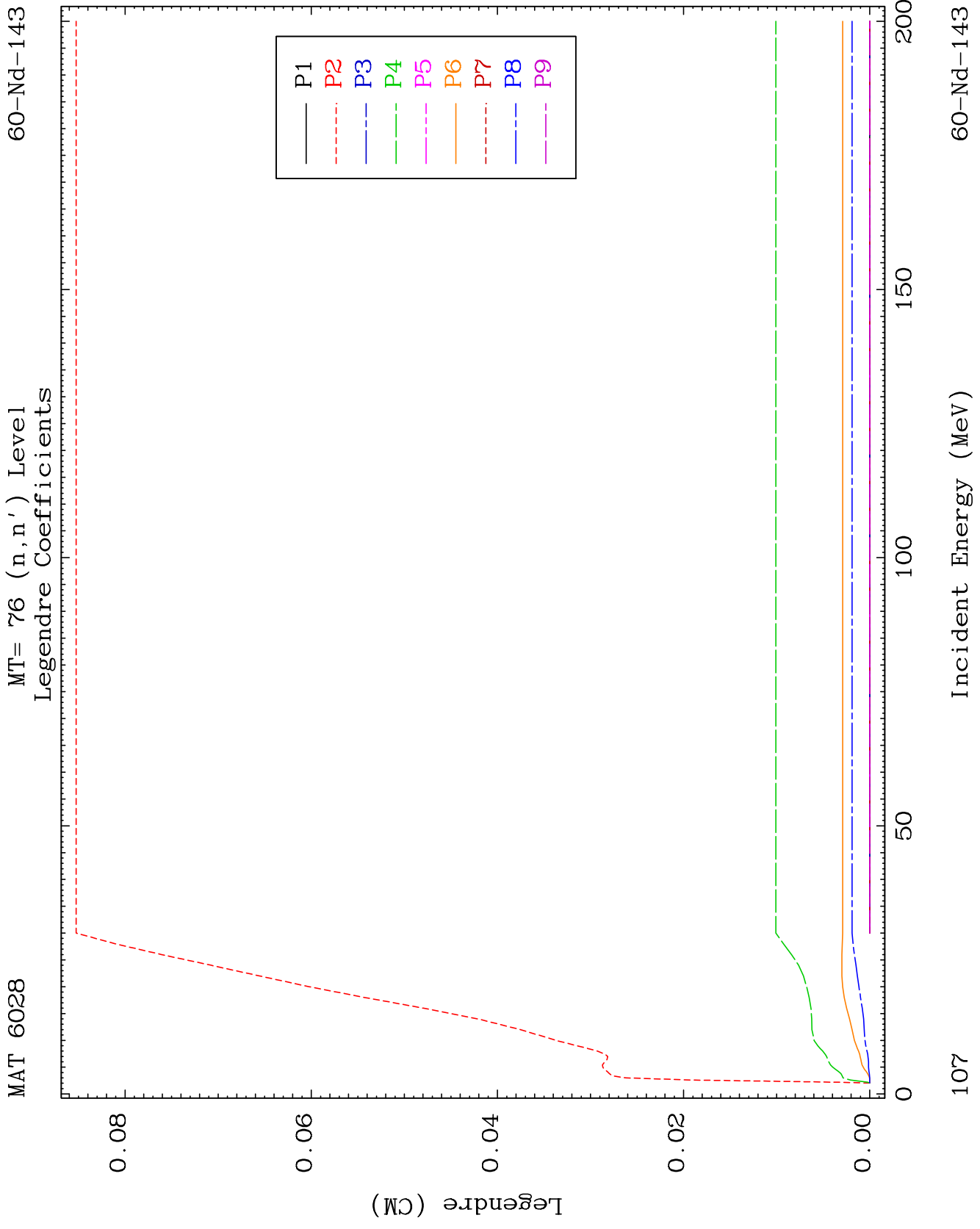
MAT 6028

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

60-Nd-143



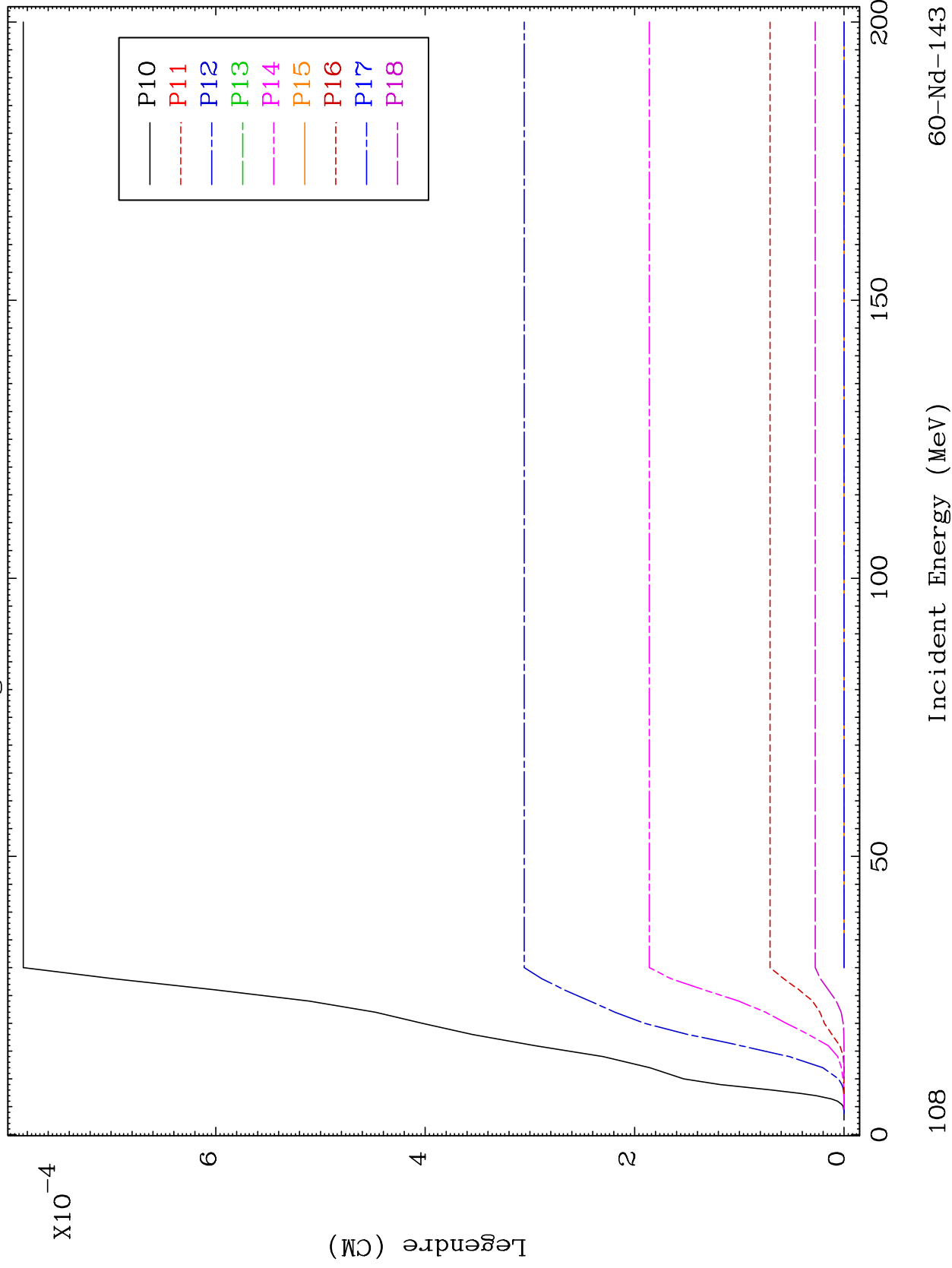
106

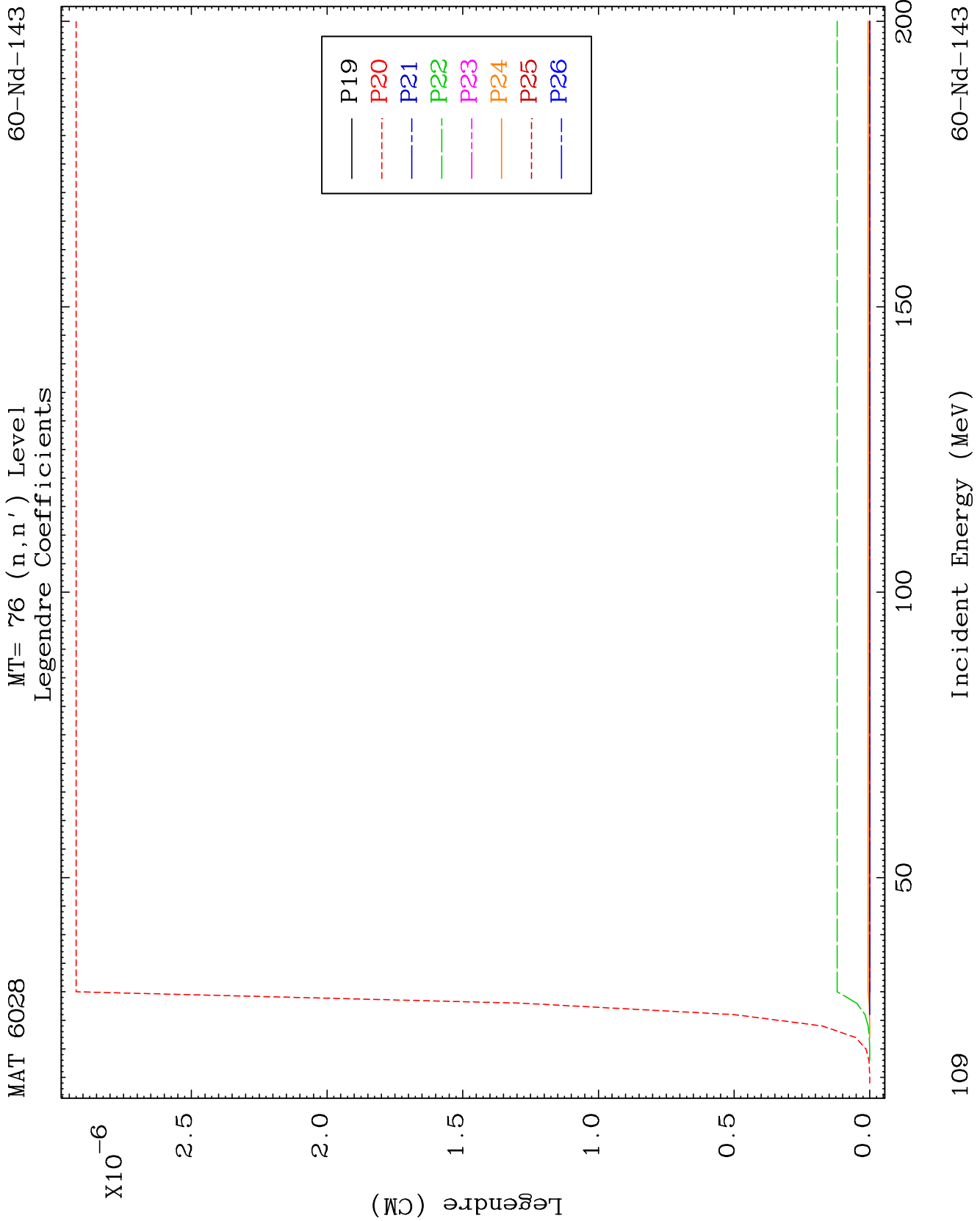


MAT 6028

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

60-Nd-143

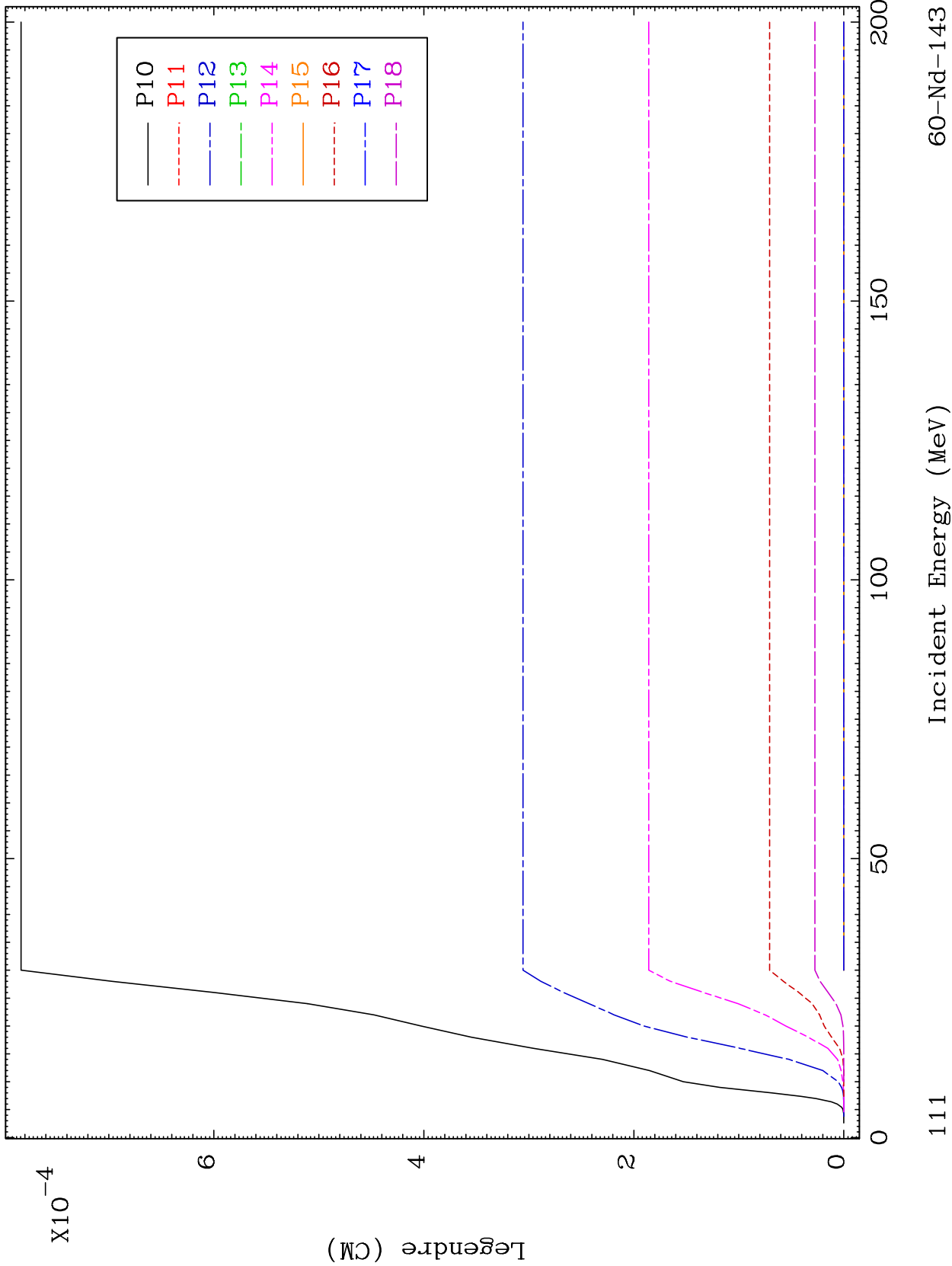




MAT 6028

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

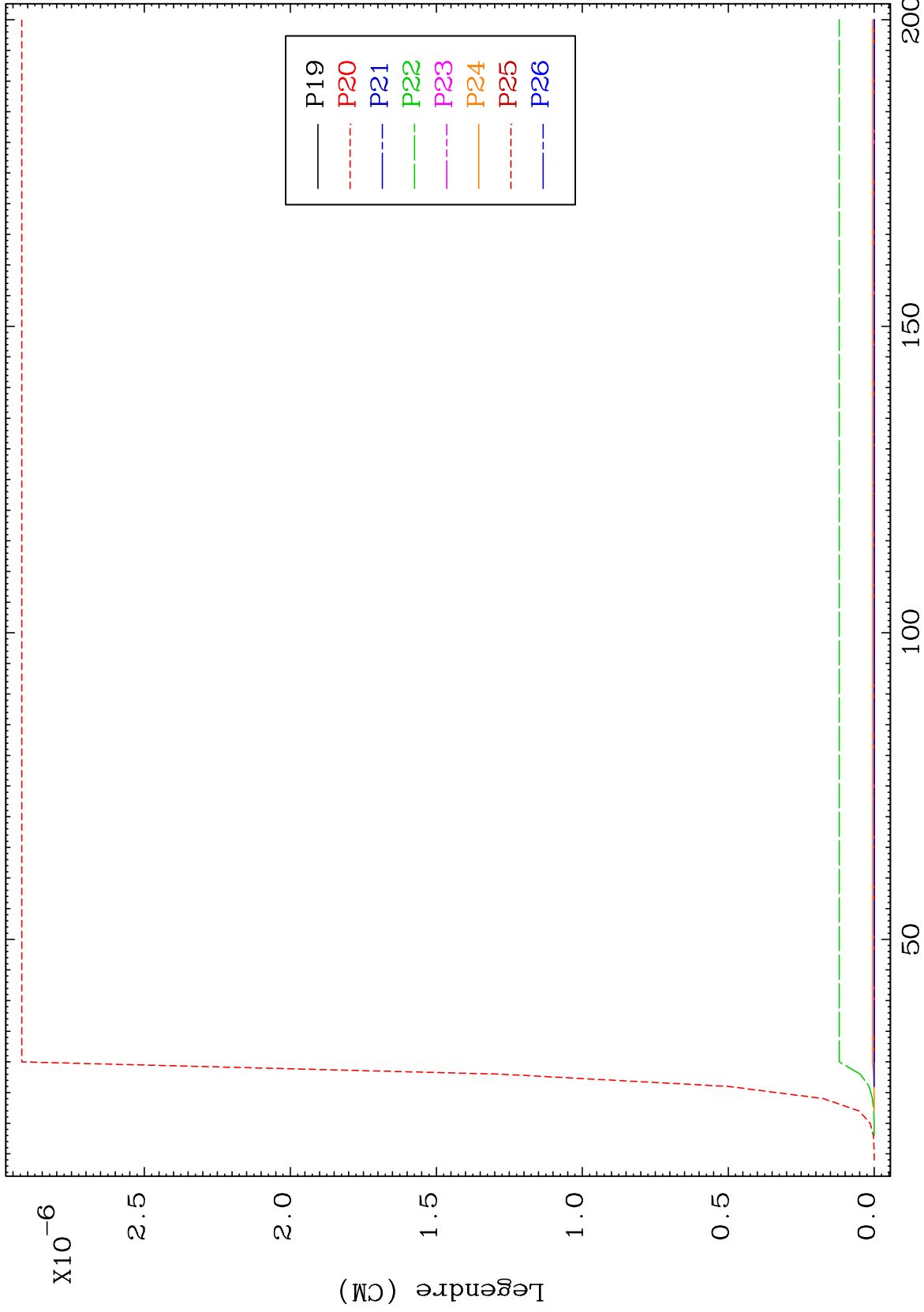
60-Nd-143



MAT 6028

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

60-Nd-143



112

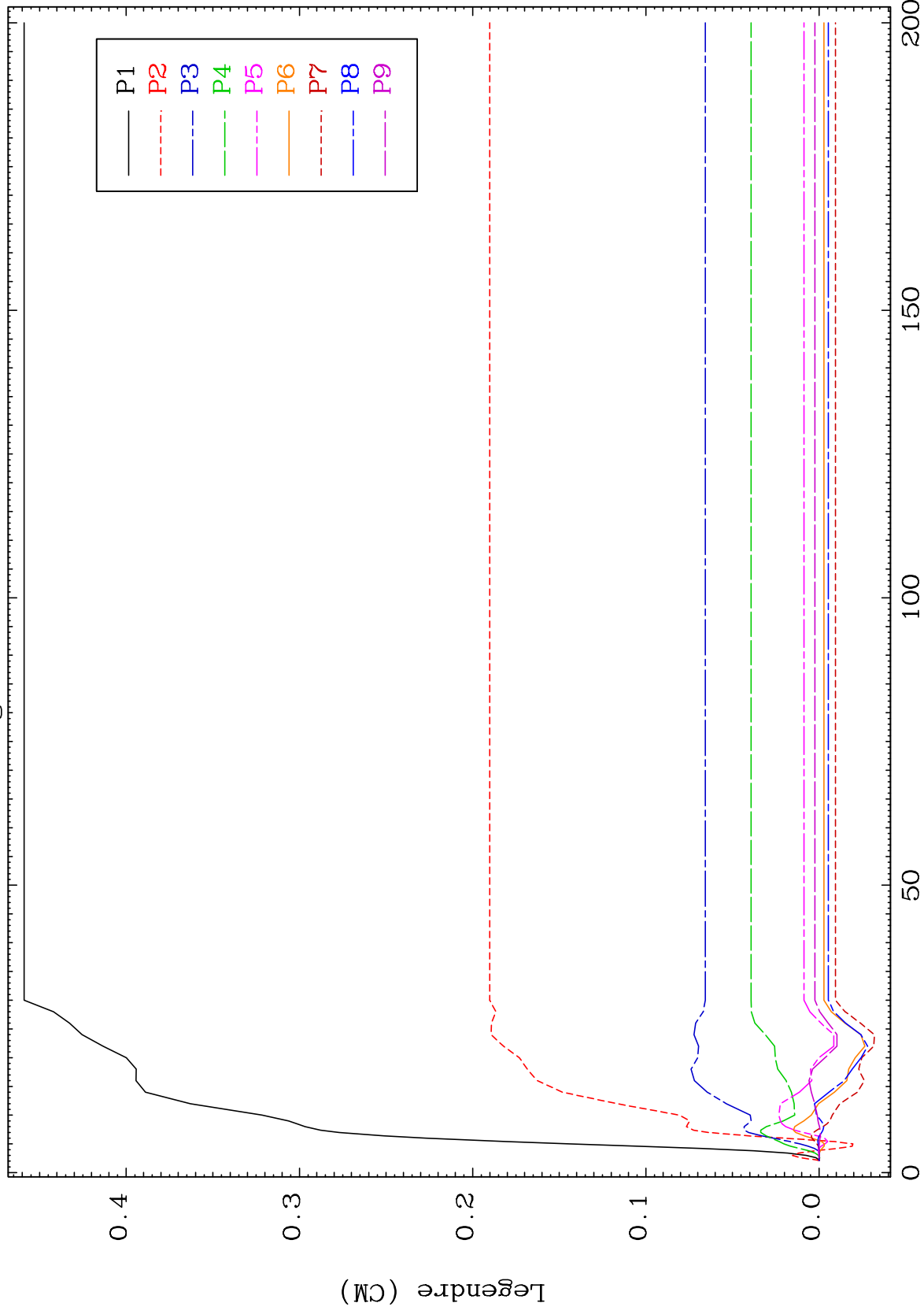
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



60-Nd-143

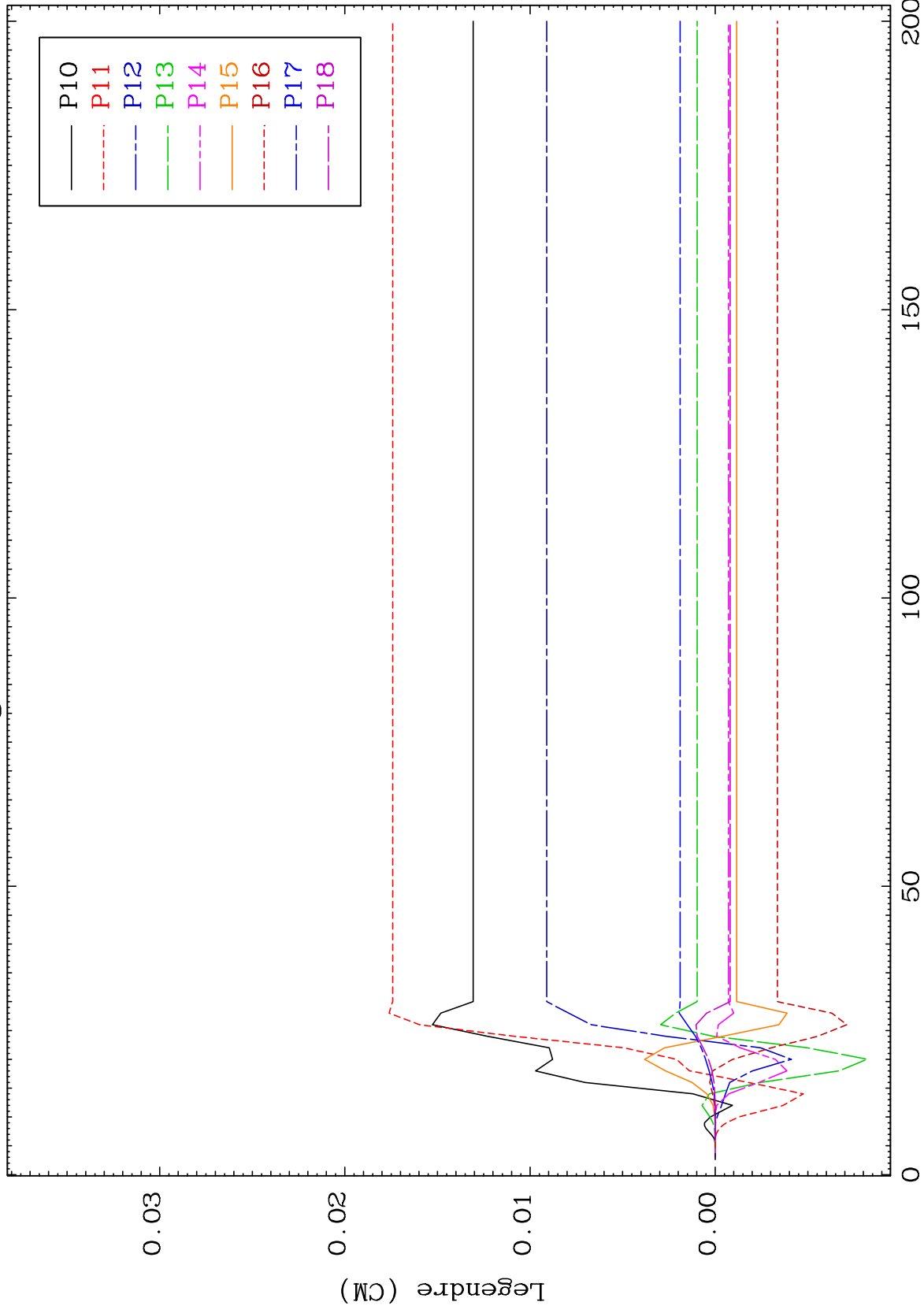
Incident Energy (MeV)

113

MAT 6028

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

60-Nd-143



114

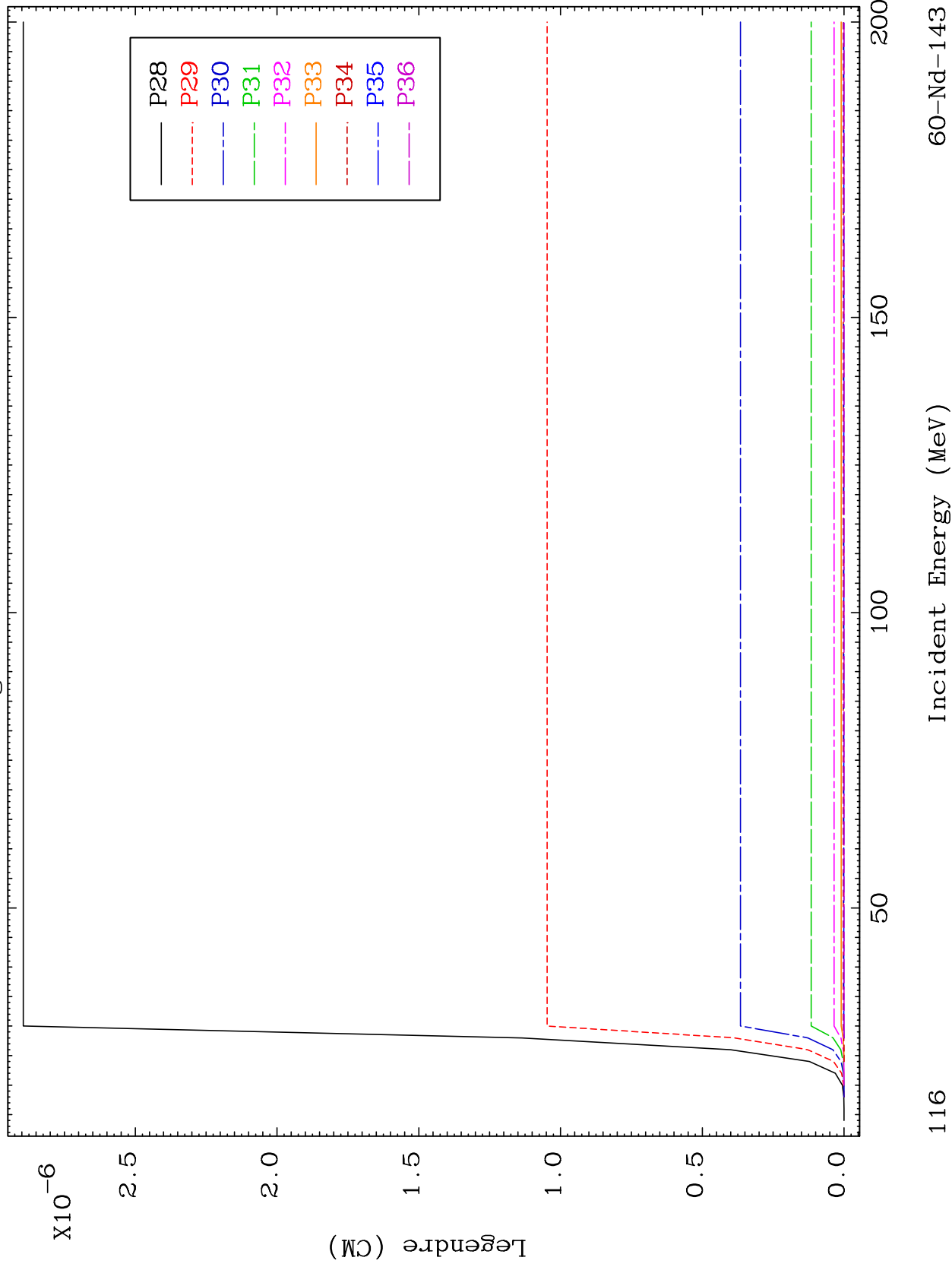
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143

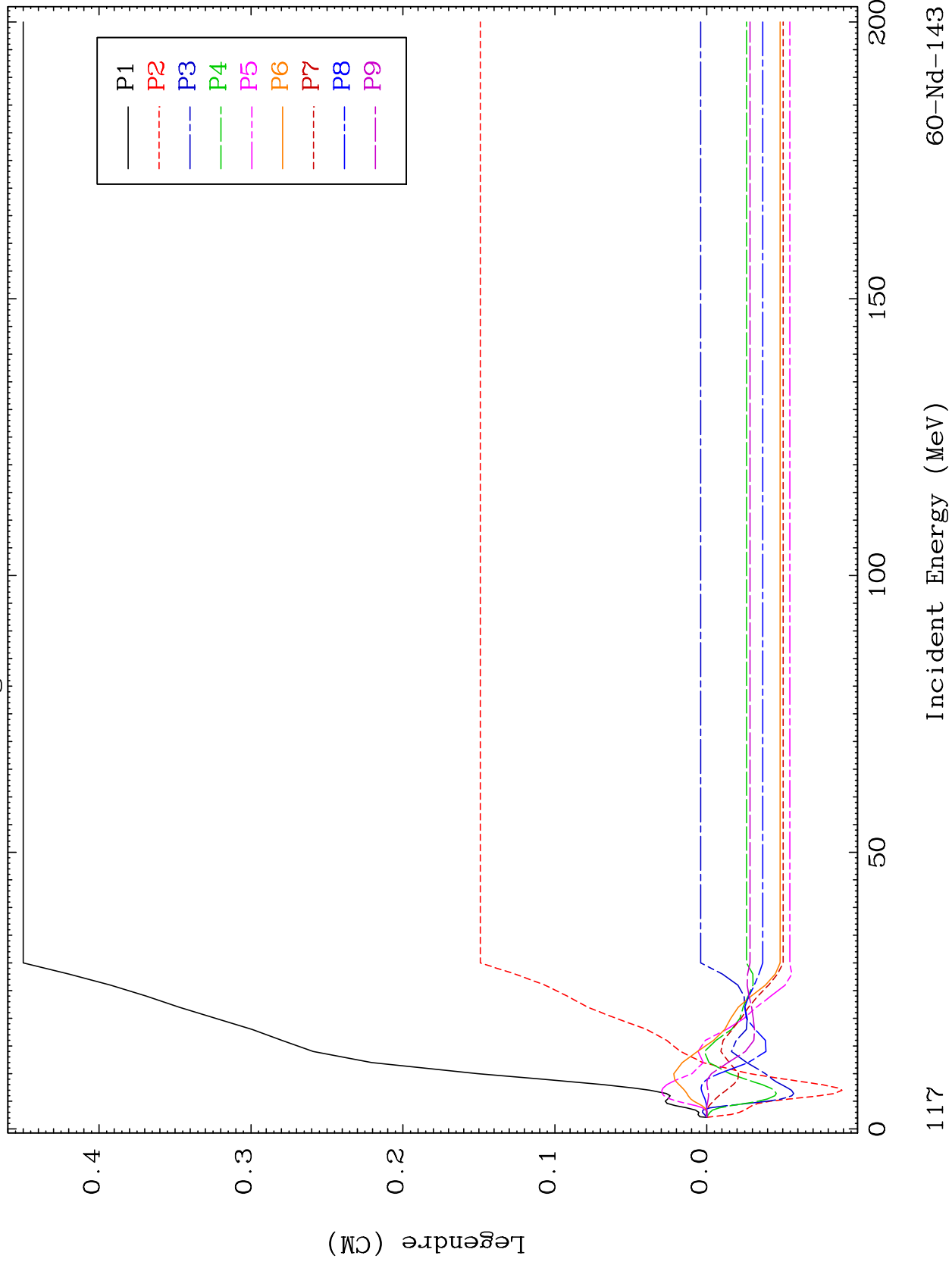


116

MAT 6028

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

60-Nd-143



60-Nd-143

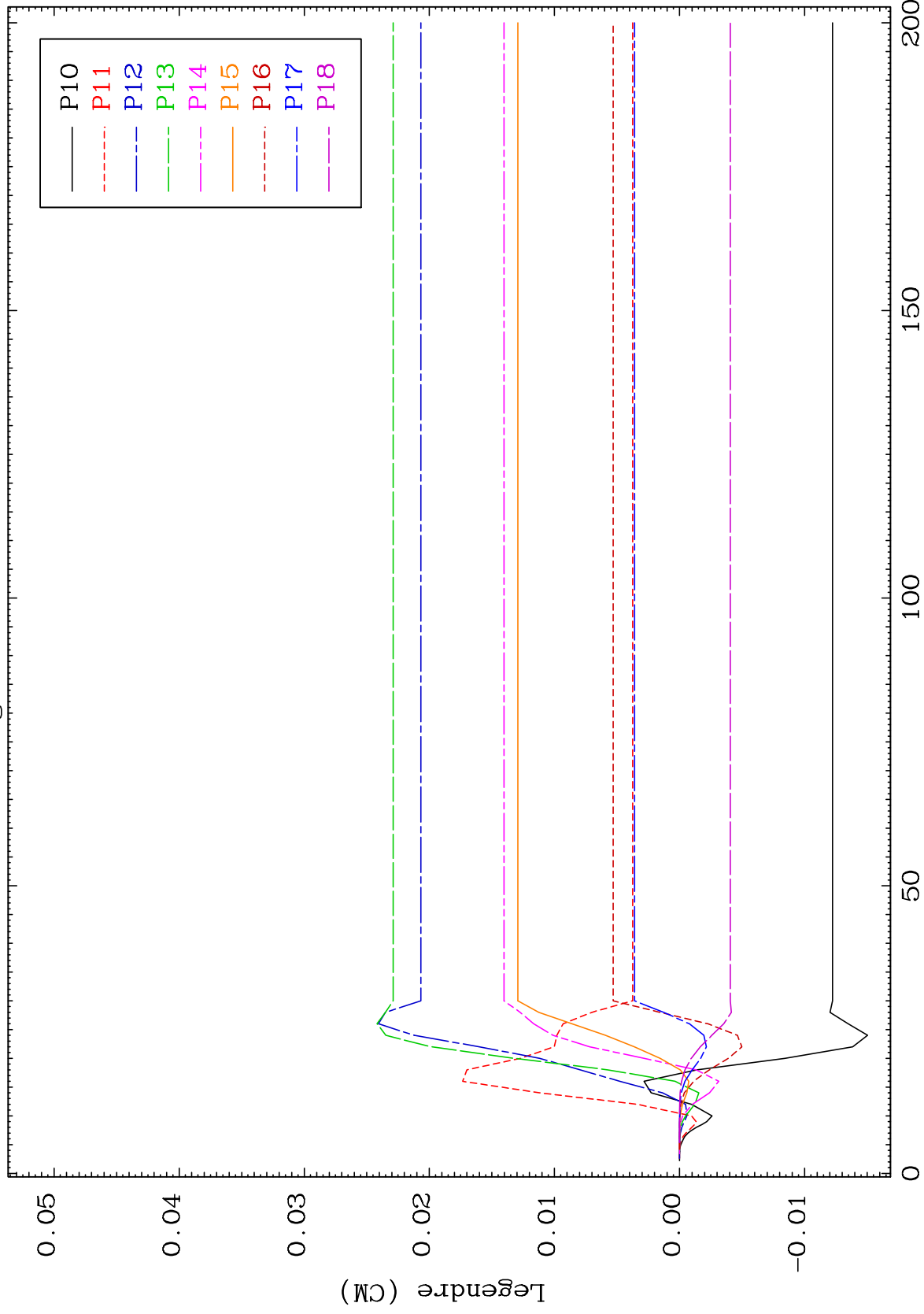
Incident Energy (MeV)

117

MAT 6028

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

60-Nd-143



118

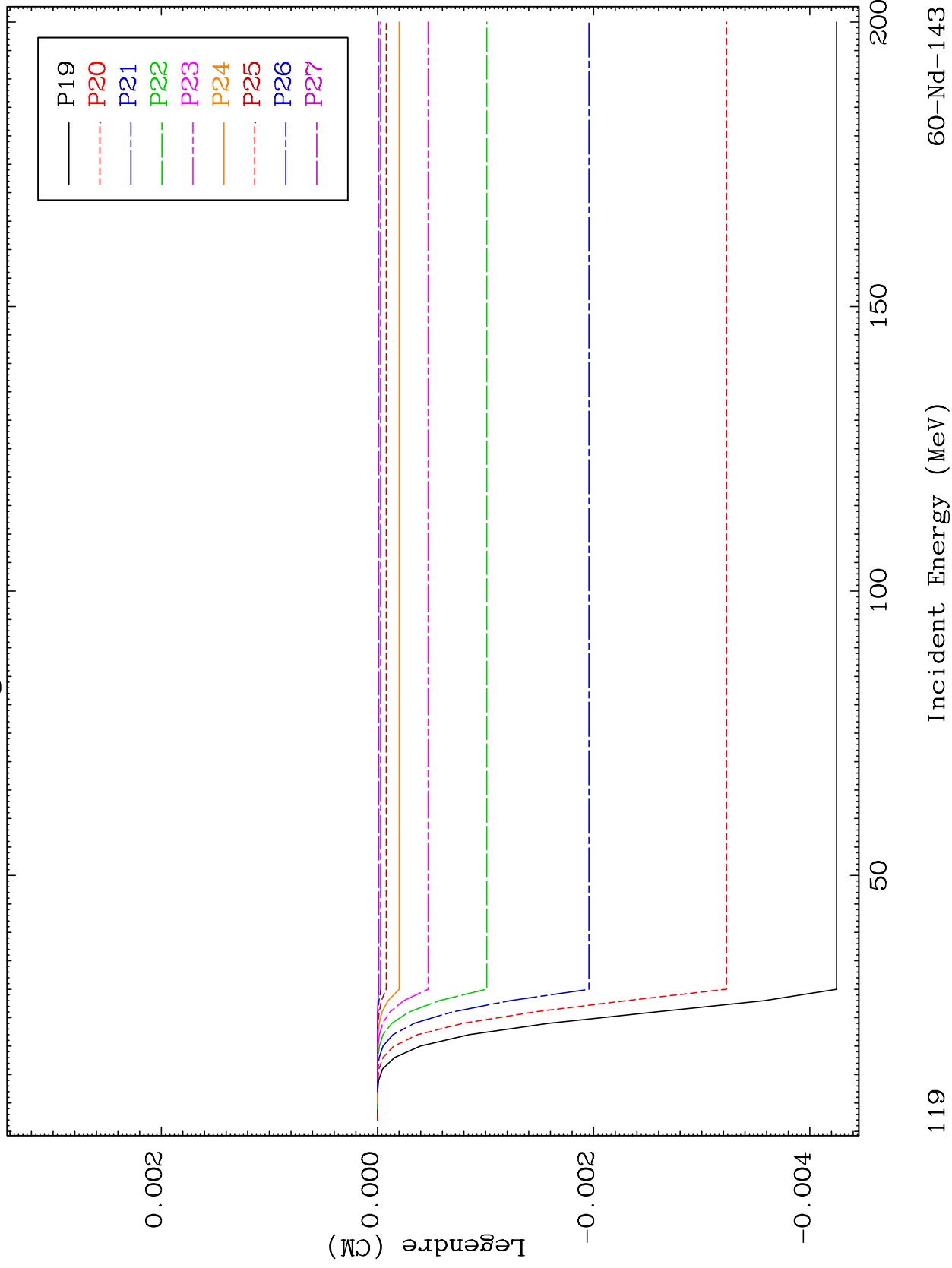
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

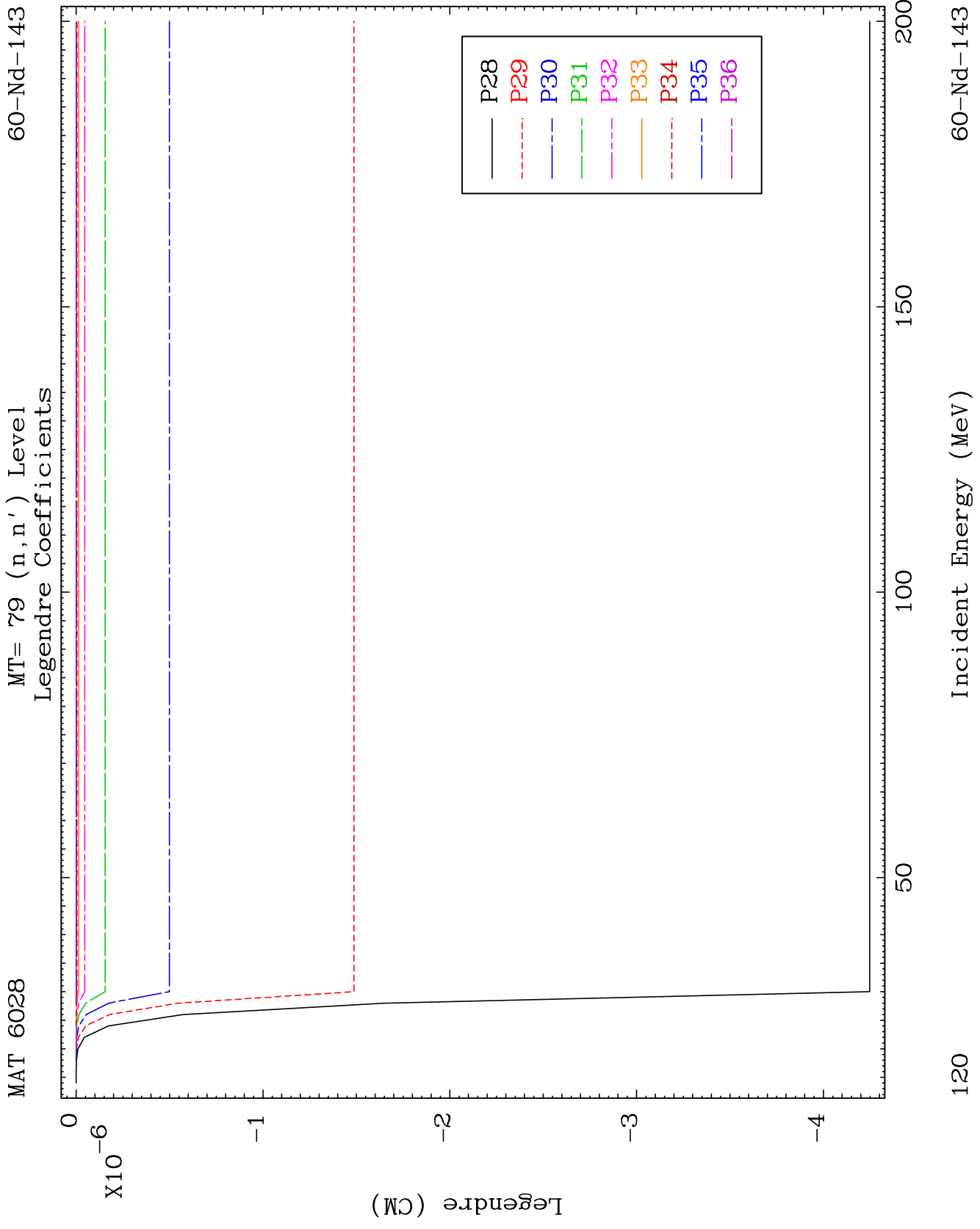
60-Nd-143



119

Incident Energy (MeV)

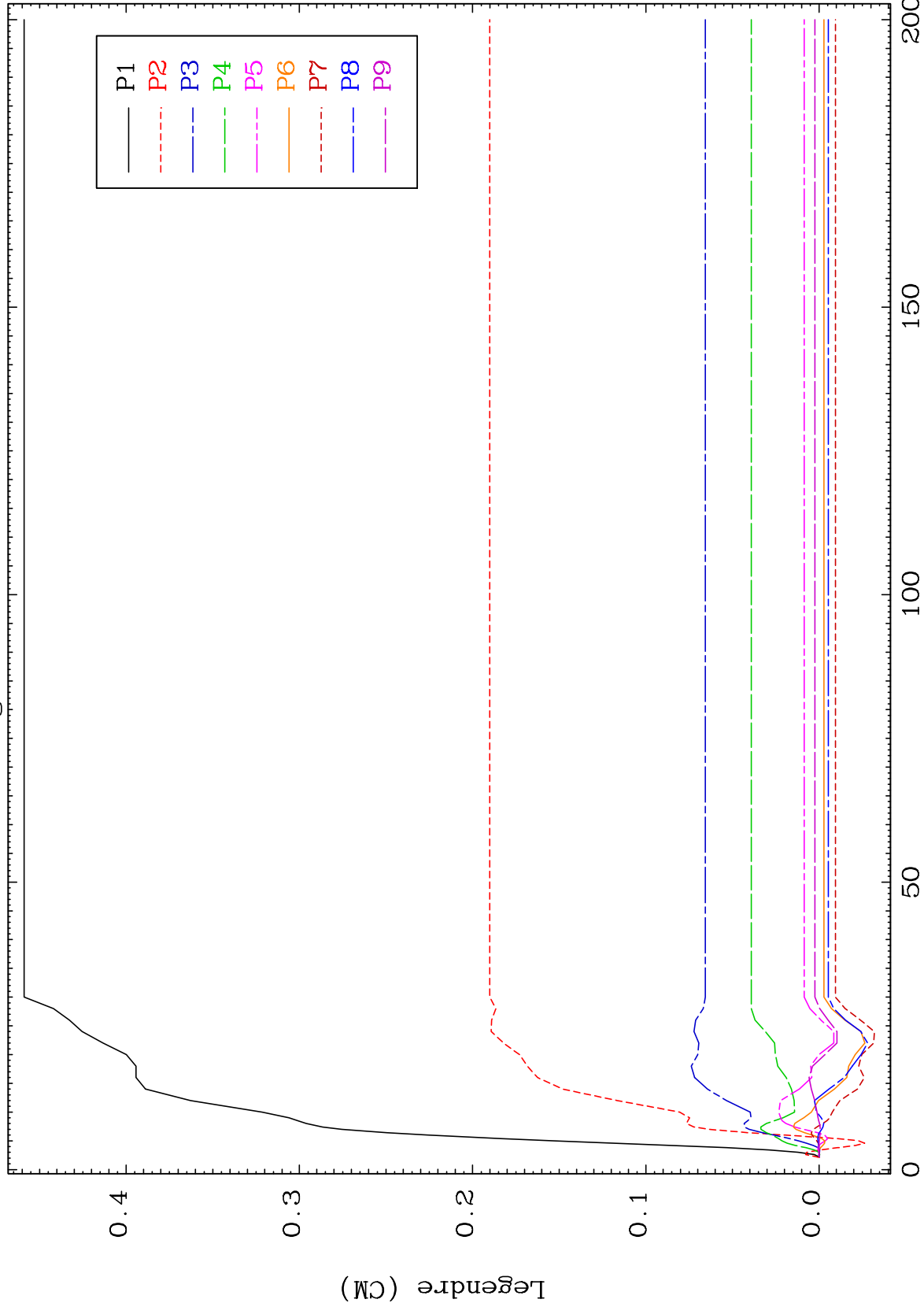
60-Nd-143



MAT 6028

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

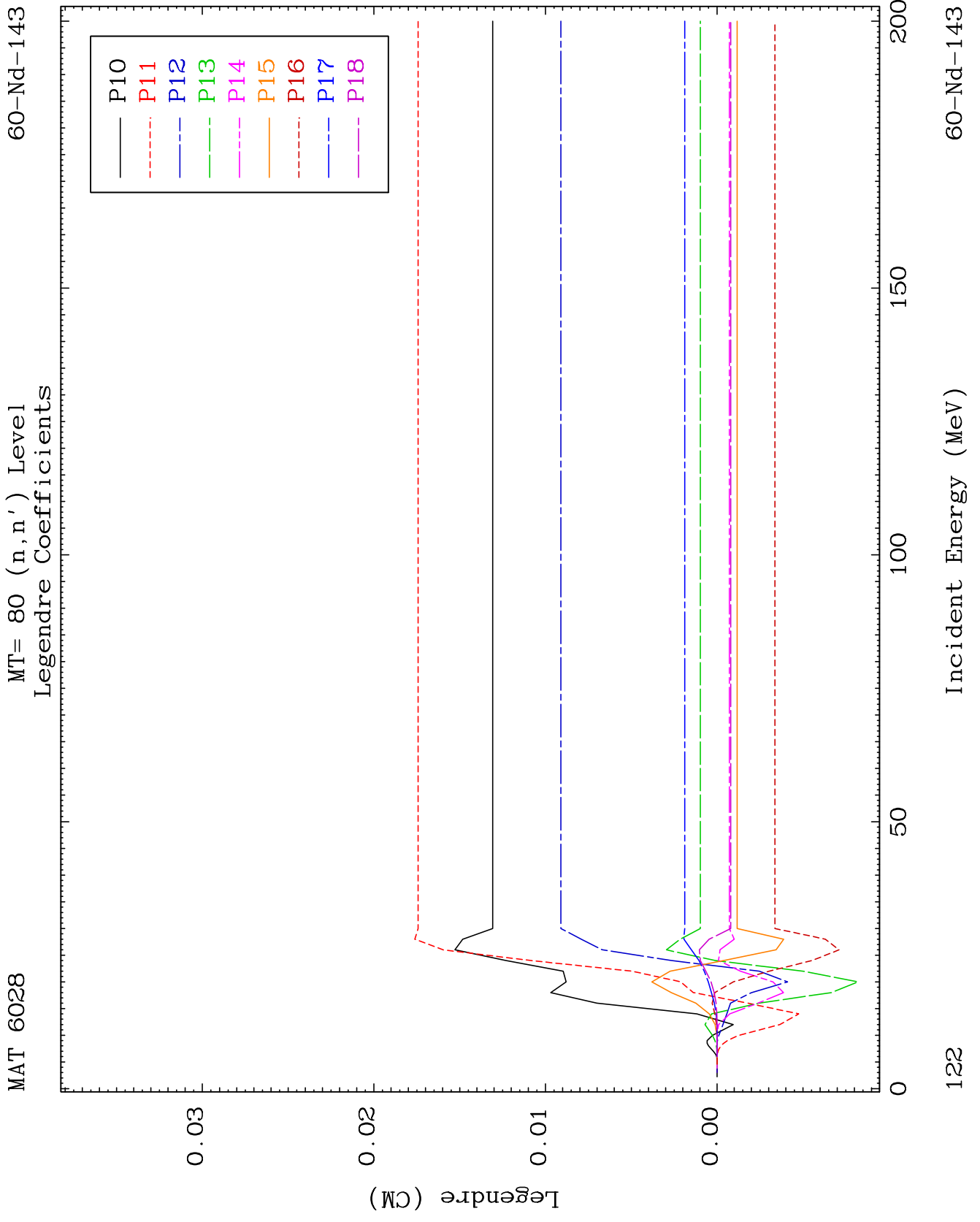
60-Nd-143

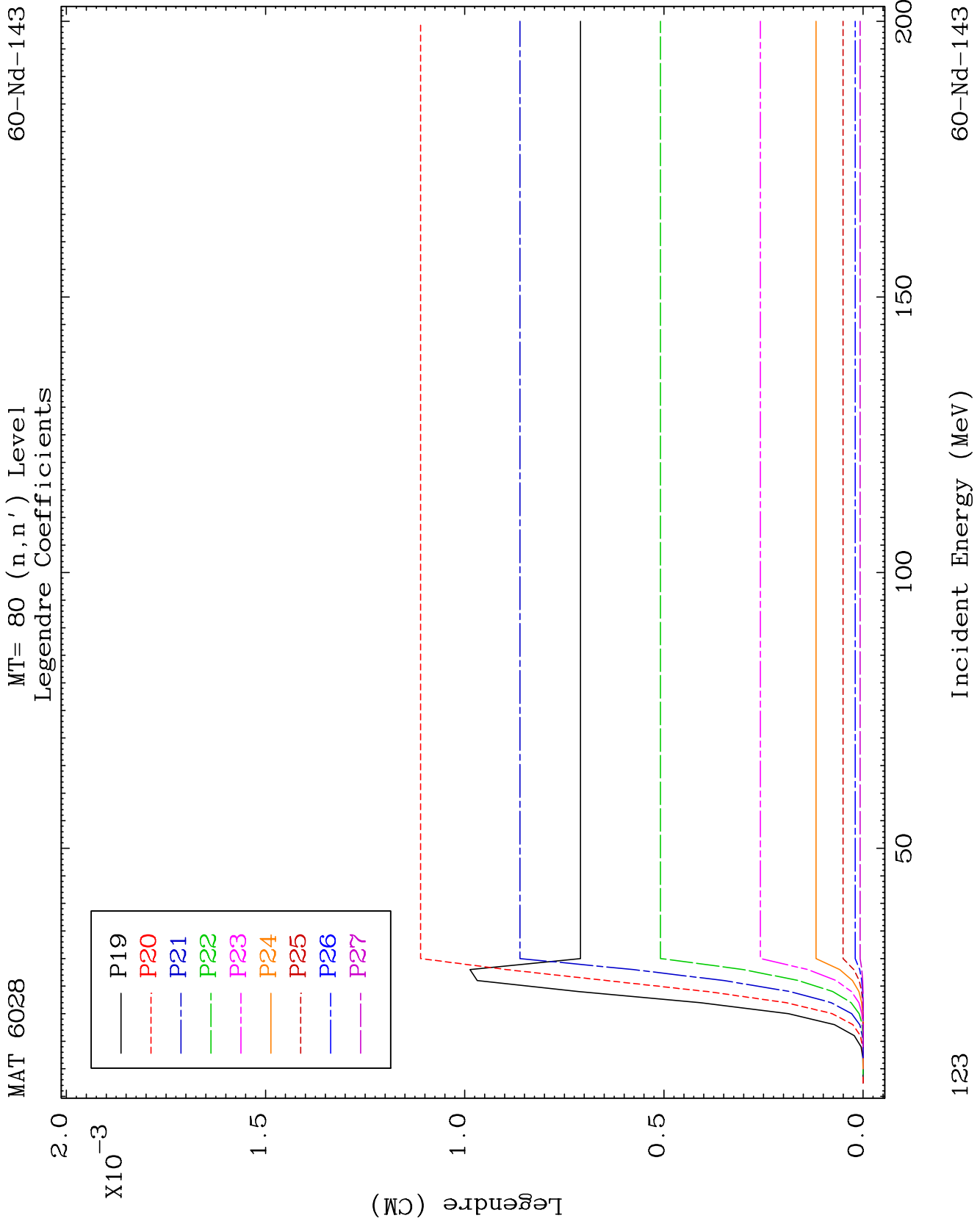


121

Incident Energy (MeV)

60-Nd-143

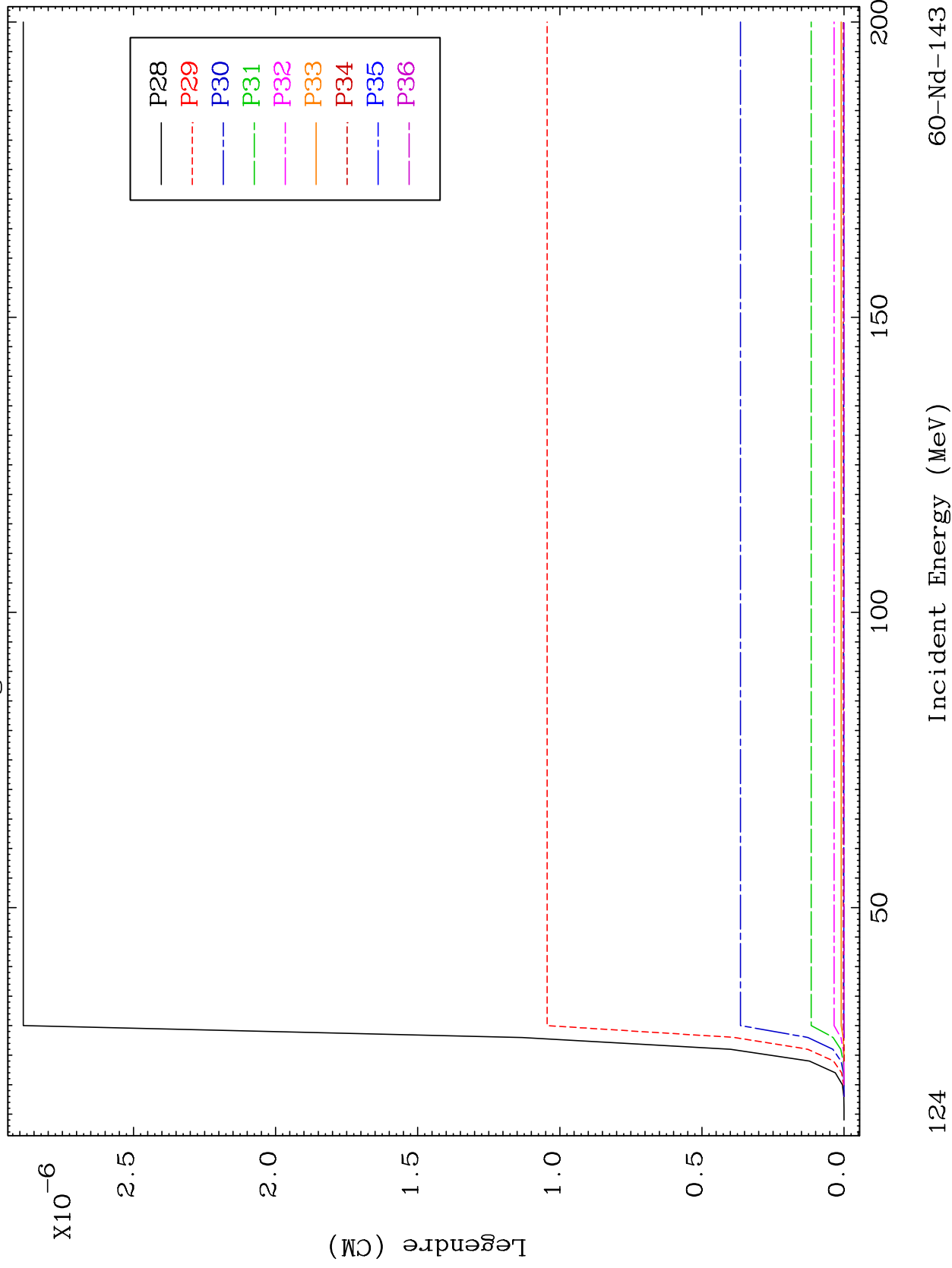




MAT 6028

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

60-Nd-143



124

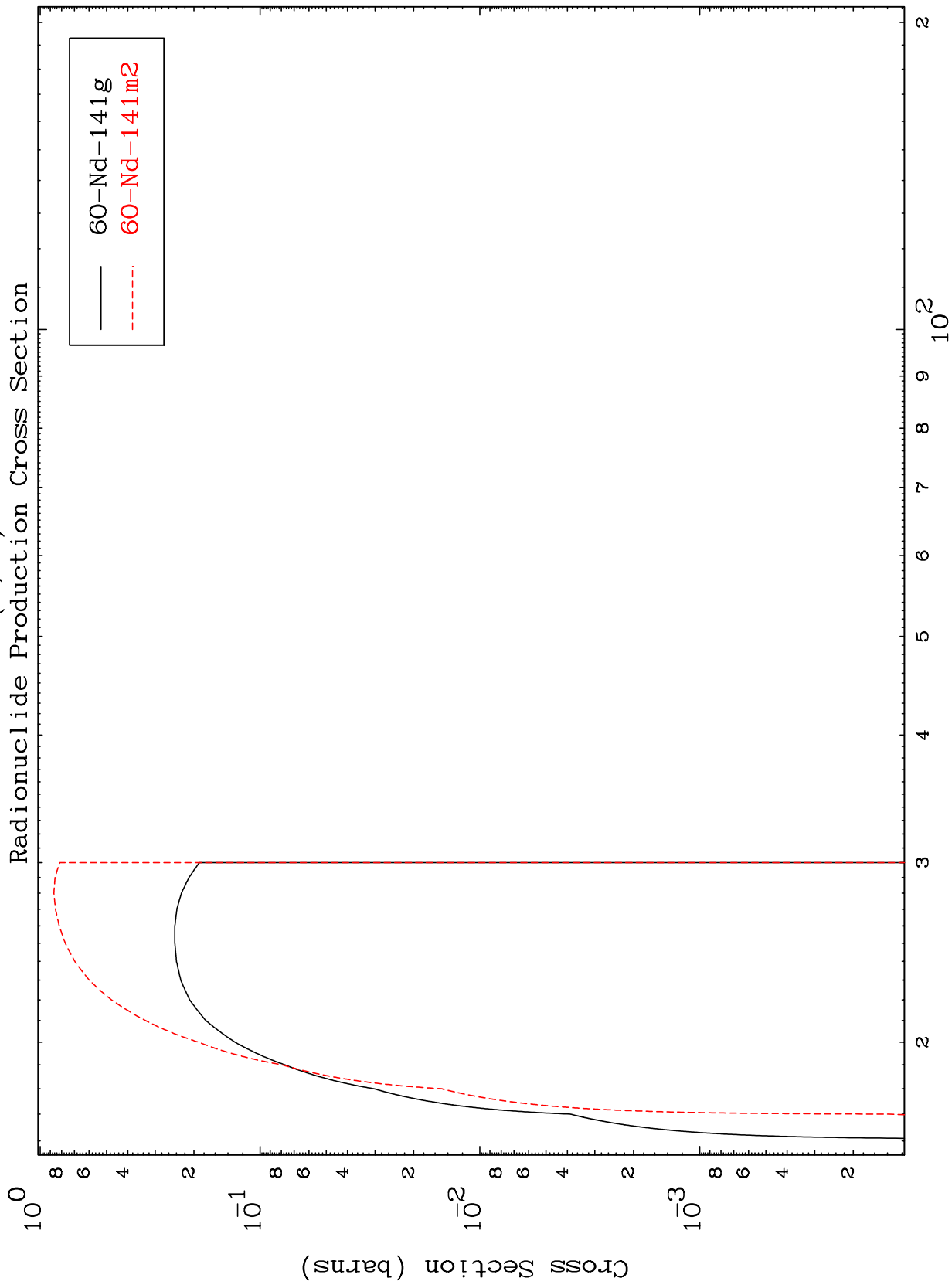
Incident Energy (MeV)

60-Nd-143

MAT 6028

60-Nd-143

(n,3n)
Radionuclide Production Cross Section



125

Incident Energy (MeV)

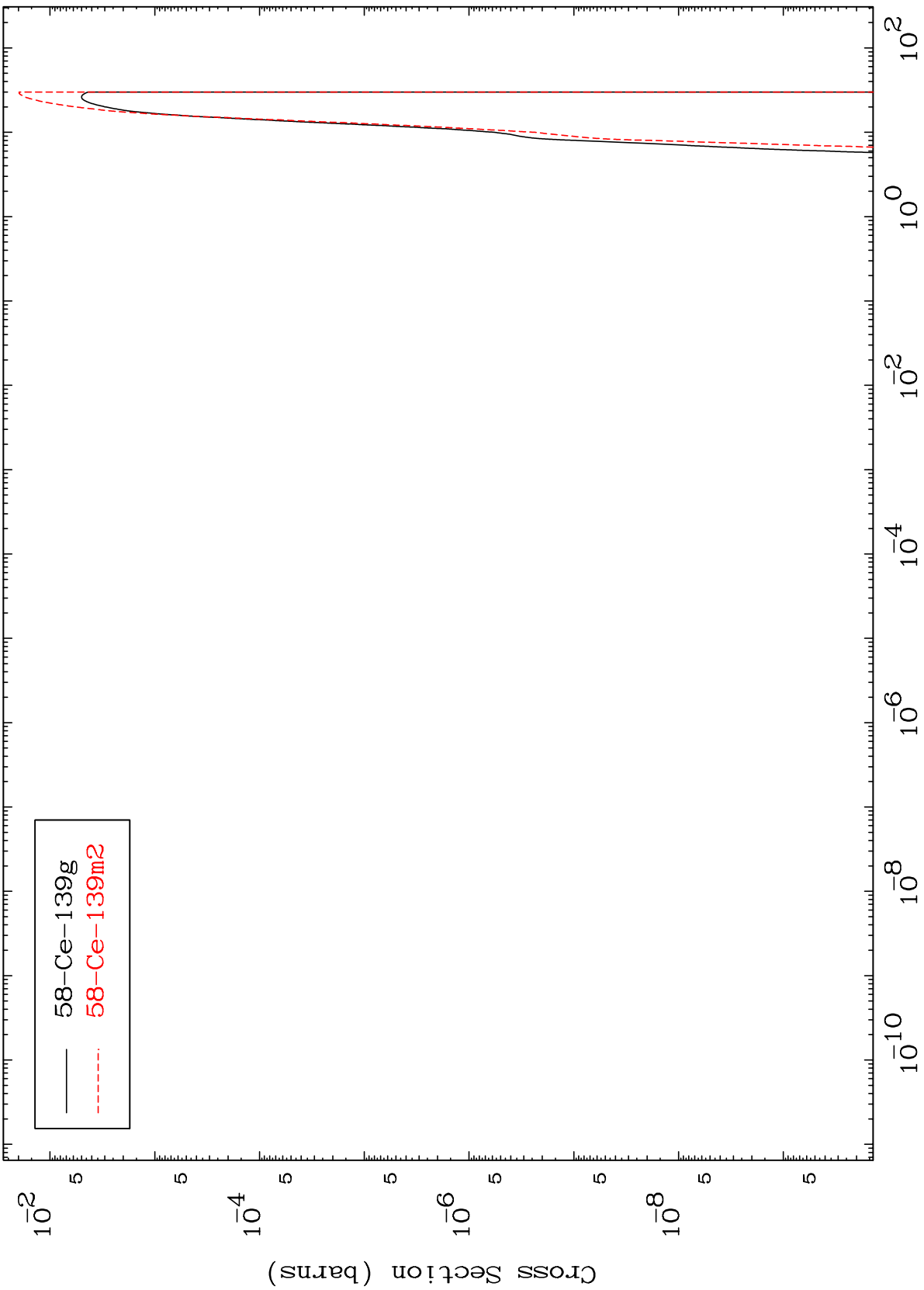
60-Nd-143

MAT 6028

$(n, n') \alpha$

60-Nd-143

Radionuclide Production Cross Section



126

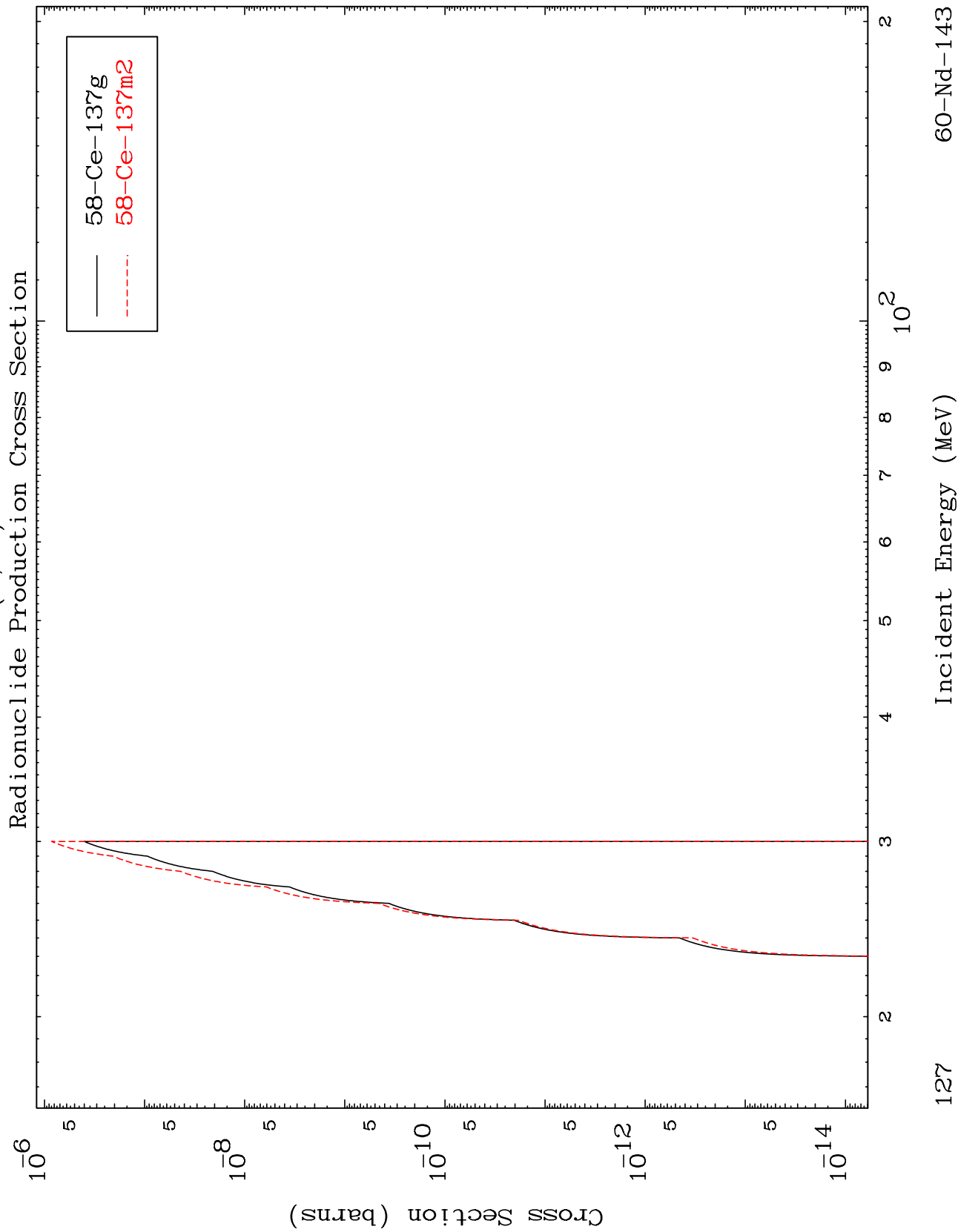
Incident Energy (MeV)

60-Nd-143

MAT 6028

(n,3n) α

60-Nd-143



127

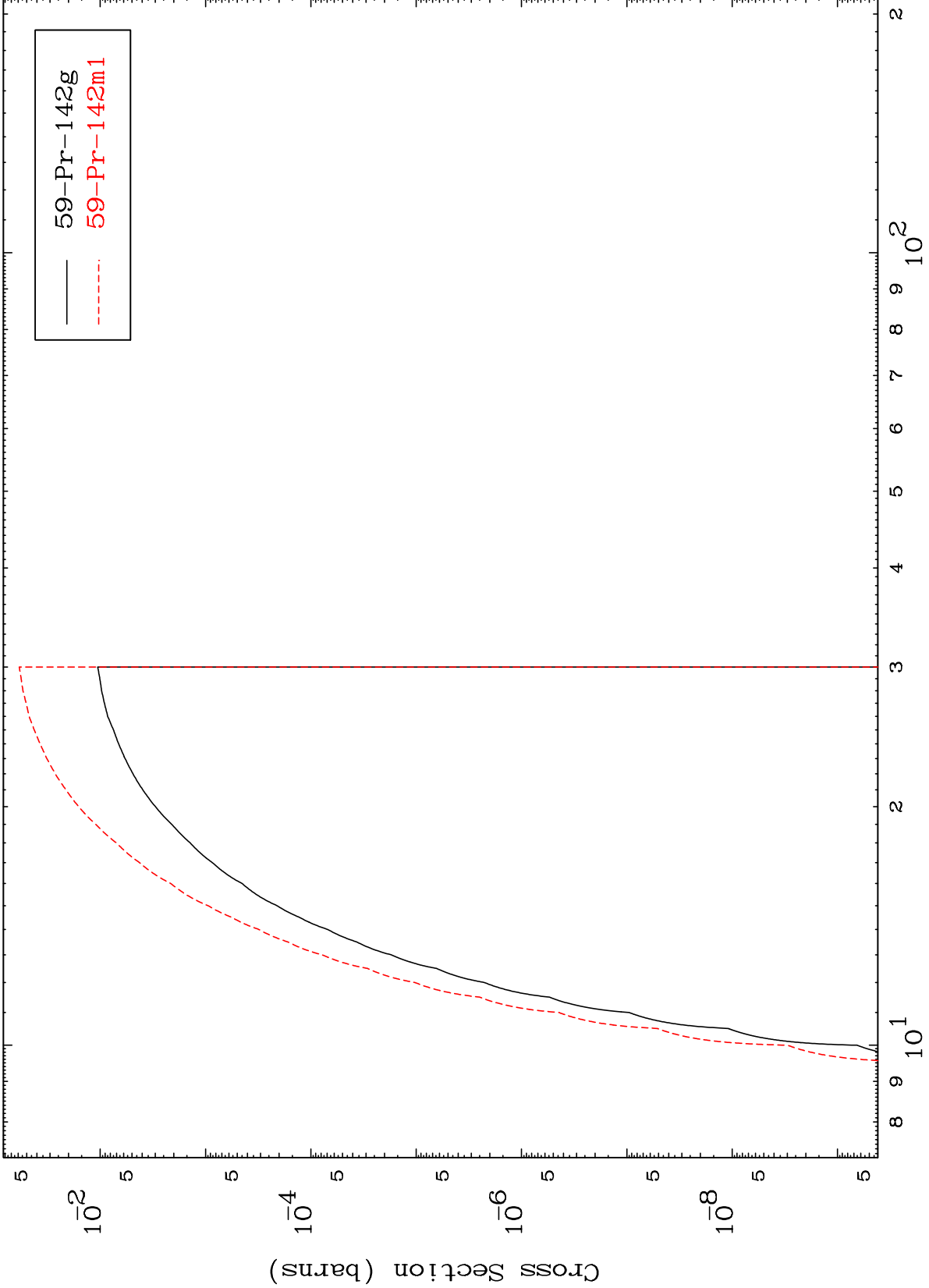
60-Nd-143

MAT 6028

(n,n') p

60-Nd-143

Radionuclide Production Cross Section



128

Incident Energy (MeV)

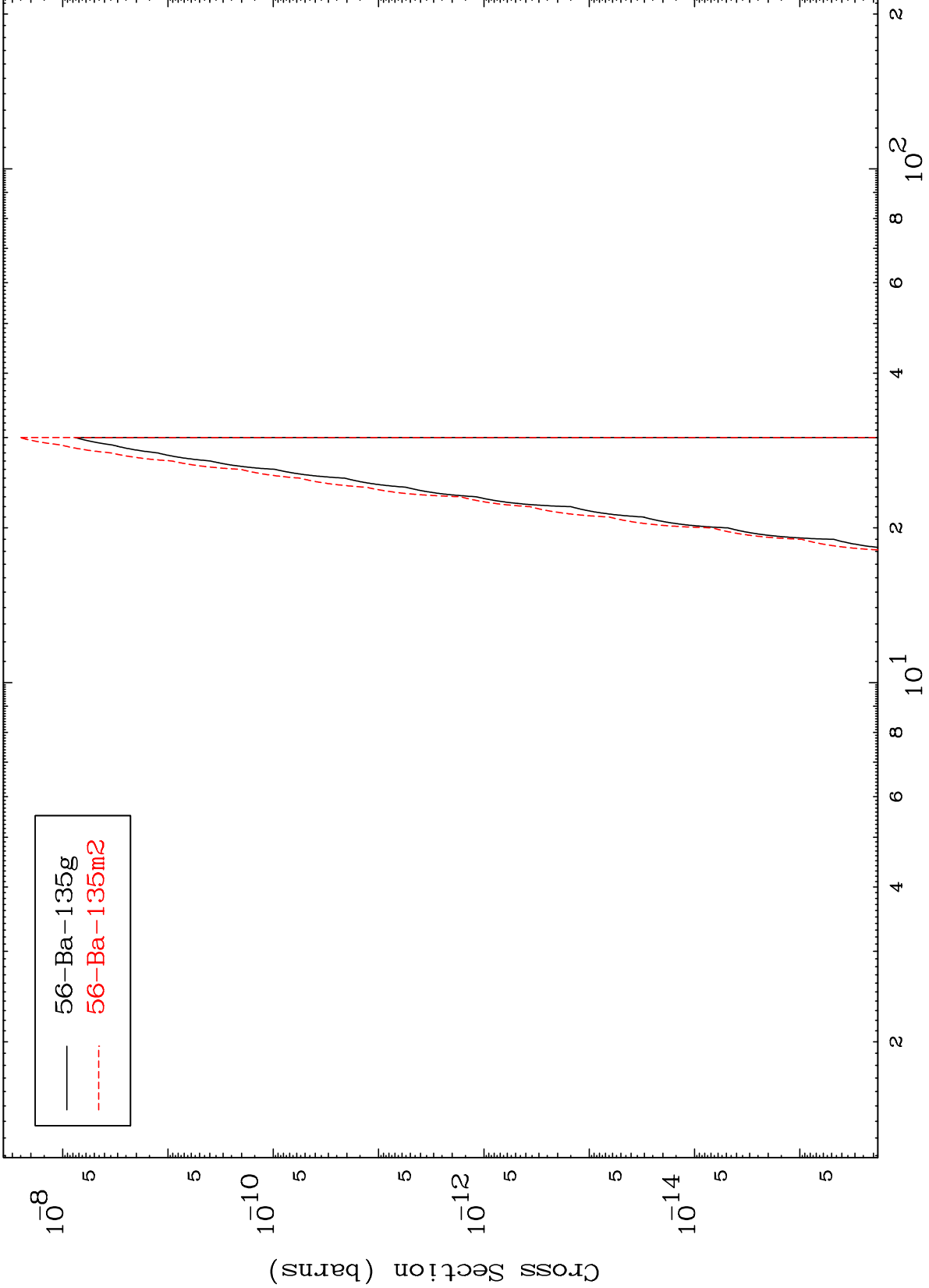
60-Nd-143

MAT 6028

(n,n') 2α

60-Nd-143

Radionuclide Production Cross Section



129

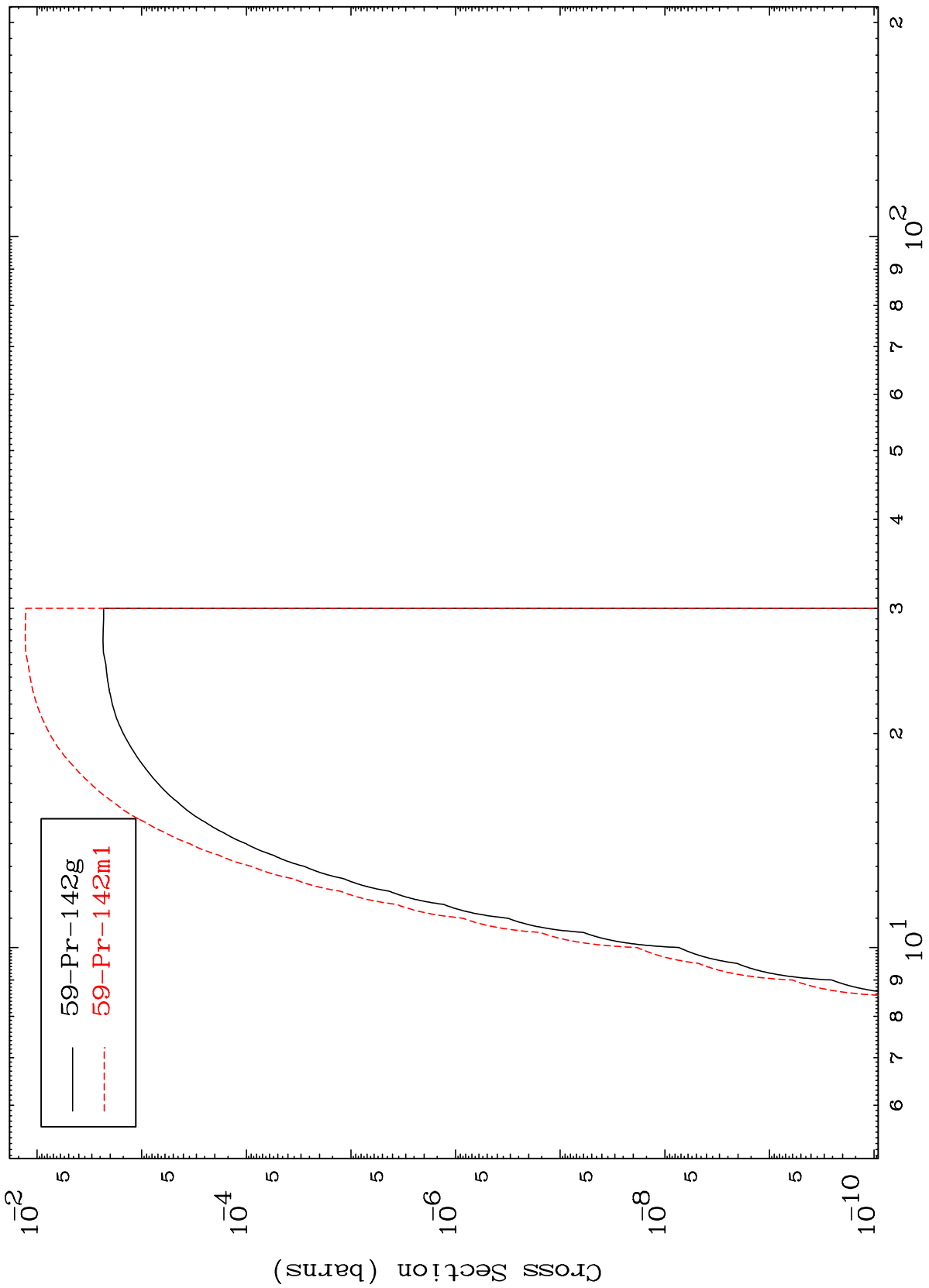
Incident Energy (MeV)

60-Nd-143

MAT 6028

60-Nd-143

(n,d)
Radionuclide Production Cross Section



130

Incident Energy (MeV)

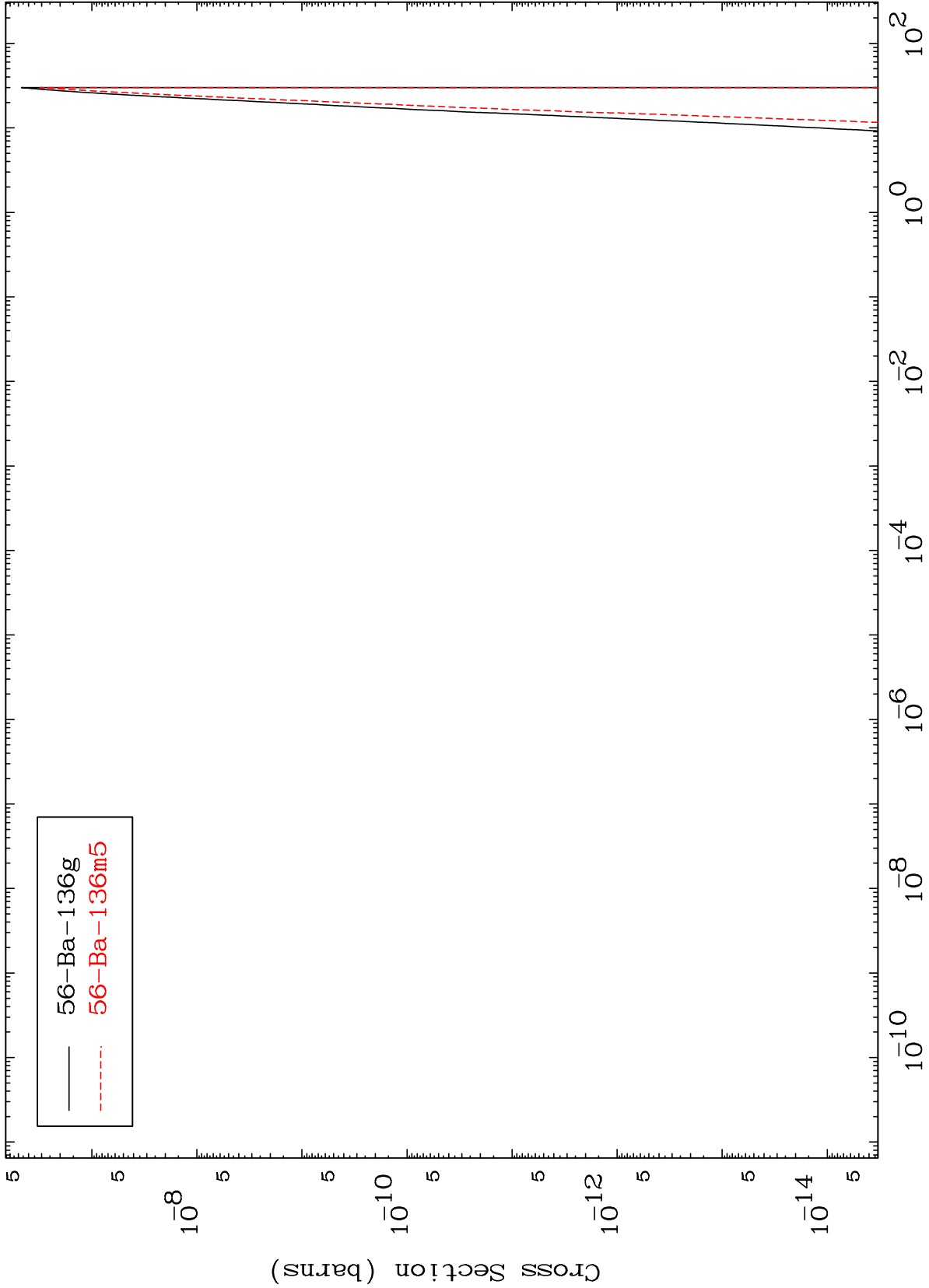
60-Nd-143

MAT 6028

(n,2α)

60-Nd-143

Radionuclide Production Cross Section



56-Ba-136g
56-Ba-136m5

131

Incident Energy (MeV)

60-Nd-143