

Program EVALPLOT
(Version 2017-1)

by

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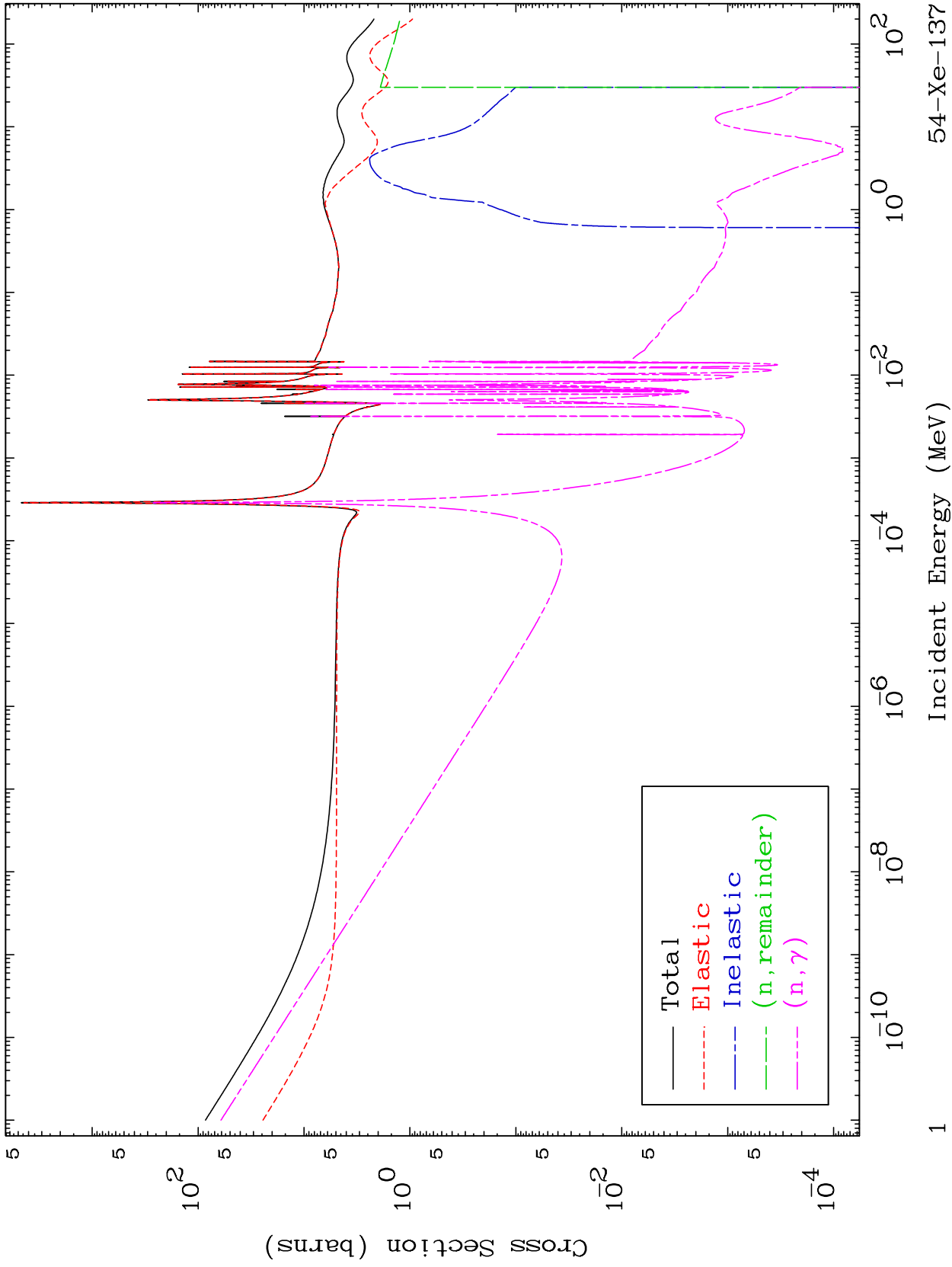
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5464

Major
293 Kelvin Cross Sections

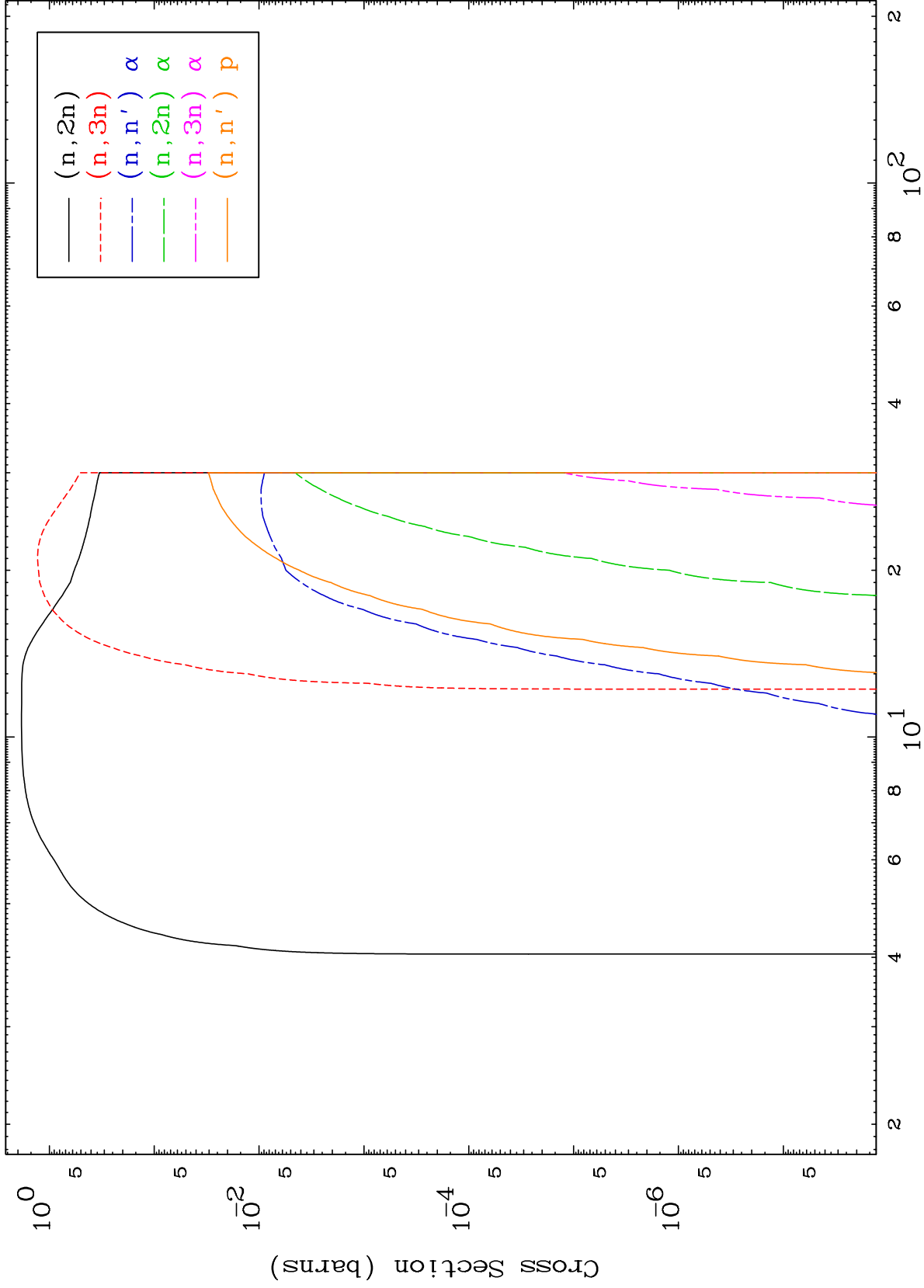
54-Xe-137



MAT 5464

Neutron Production
293 Kelvin Cross Sections

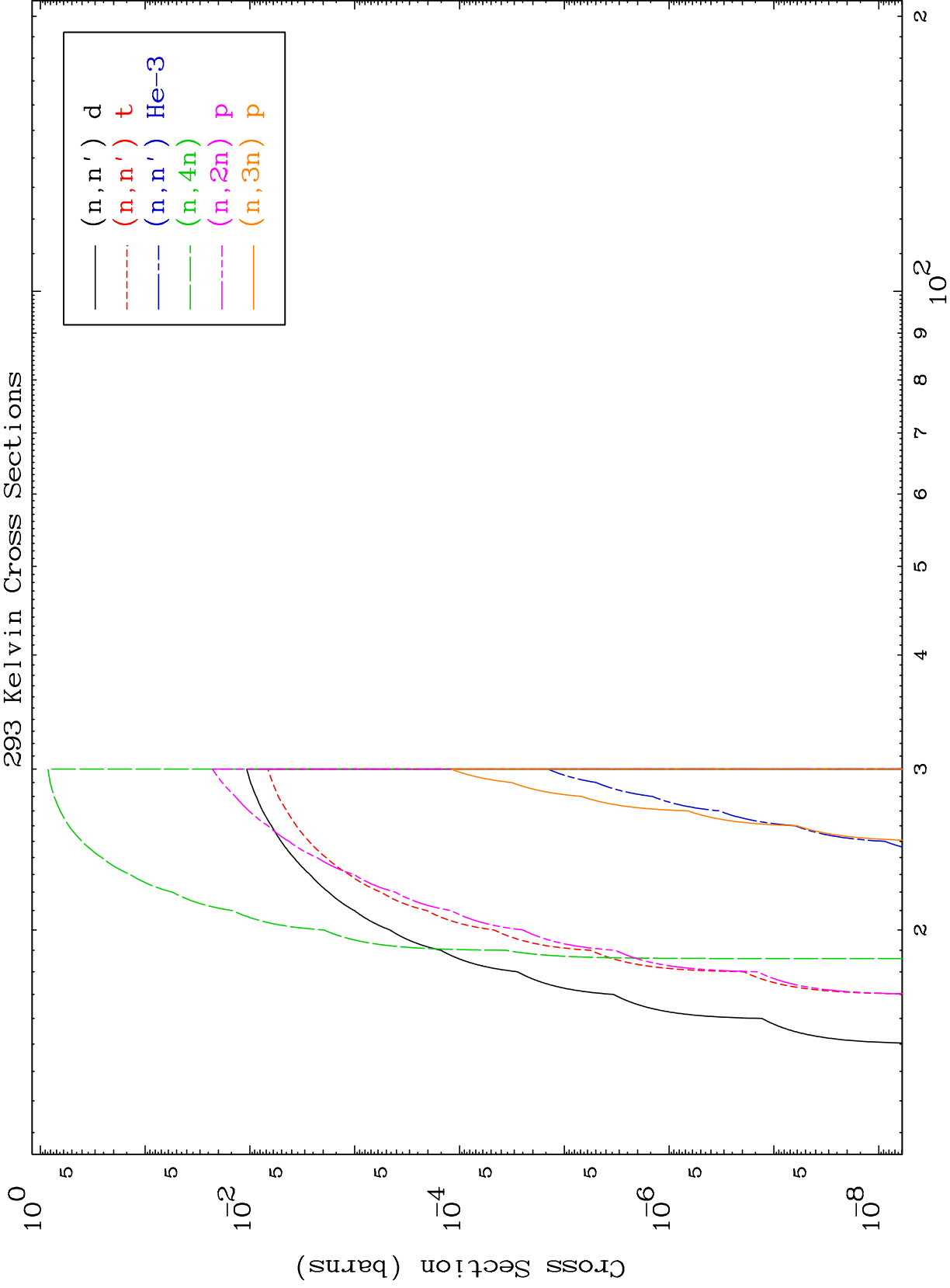
54-Xe-137



2

Incident Energy (MeV)

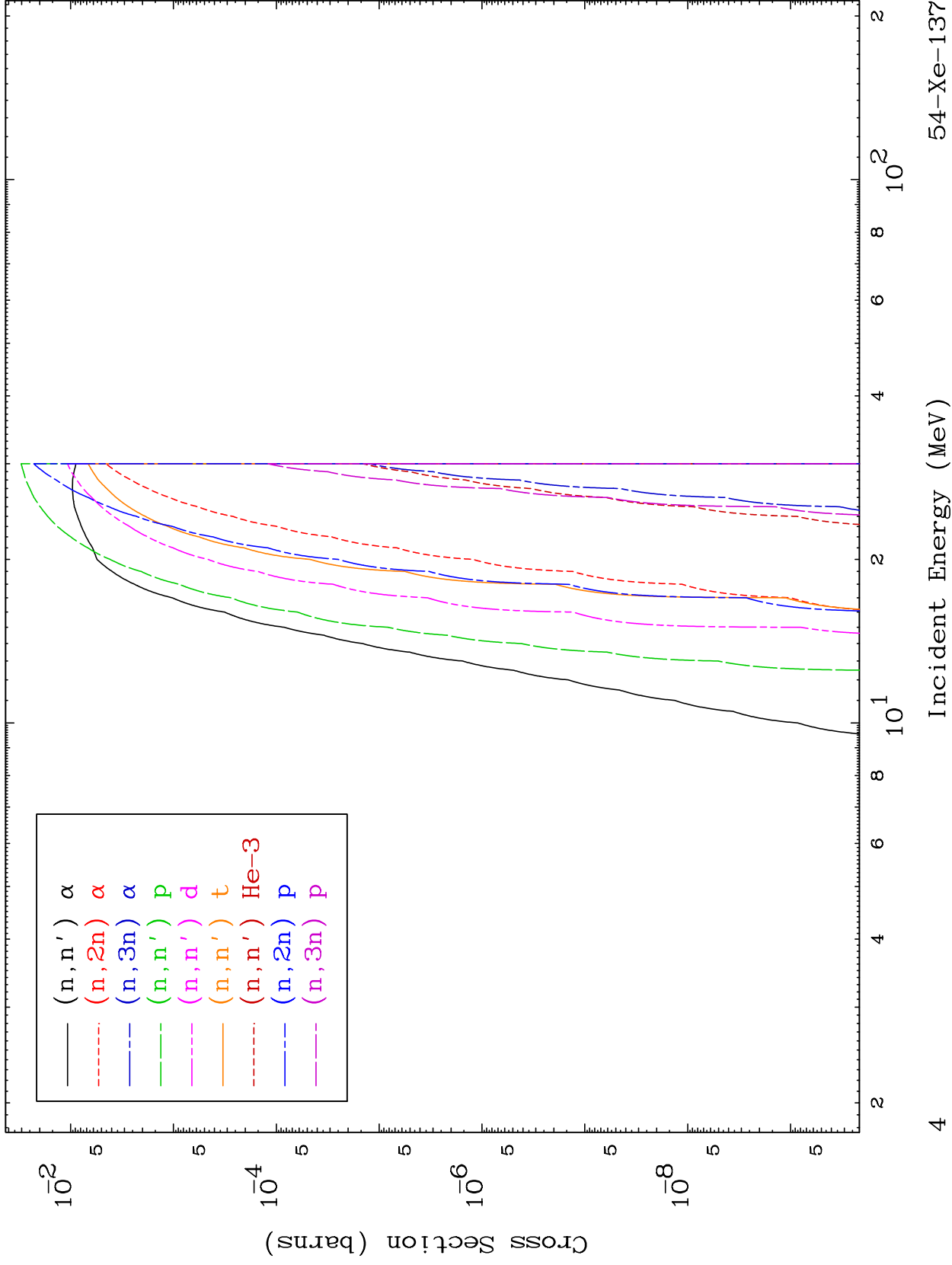
54-Xe-137



MAT 5464

Charged Particle
293 Kelvin Cross Sections

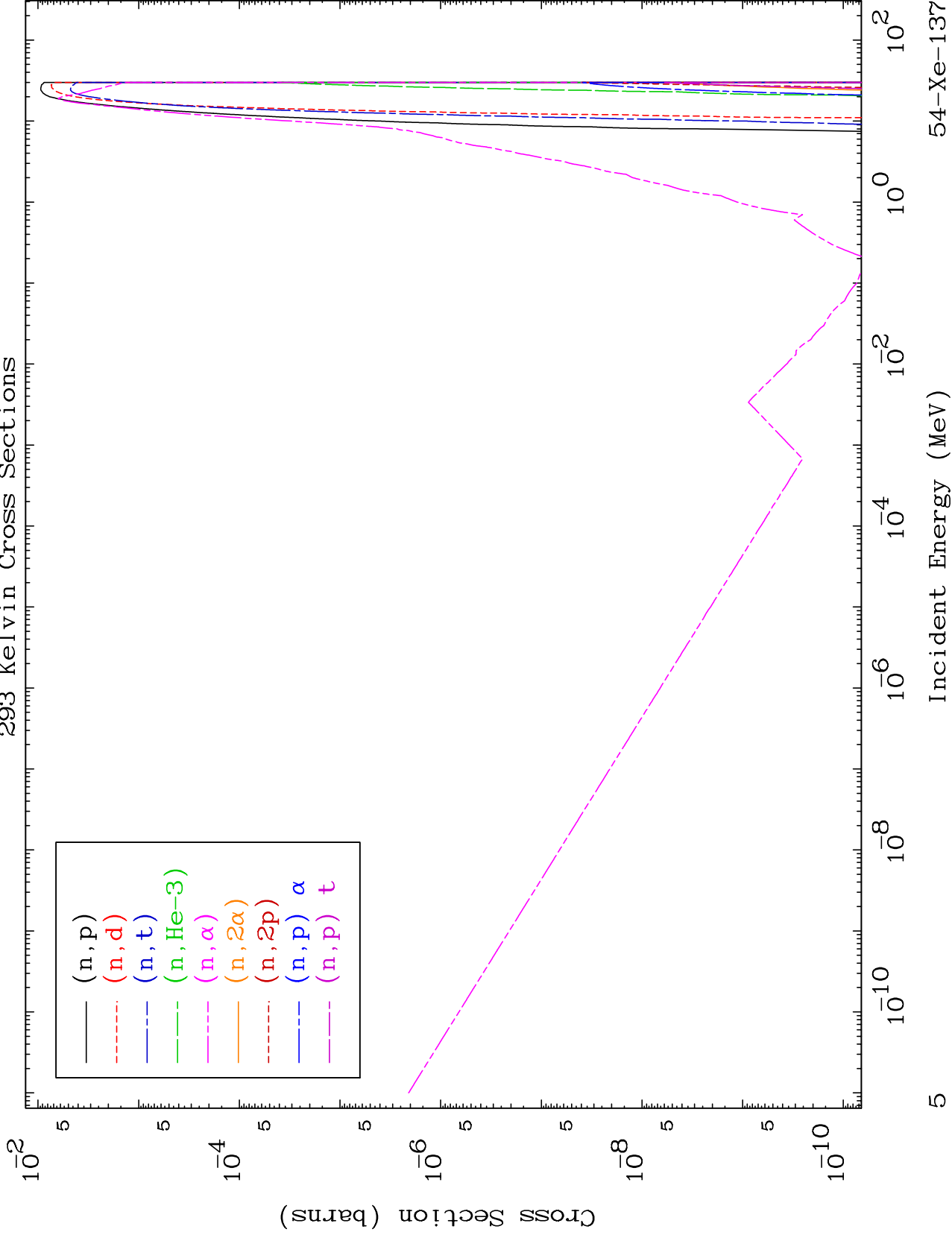
54-Xe-137



MAT 5464

Charged Particle
293 Kelvin Cross Sections

54-Xe-137

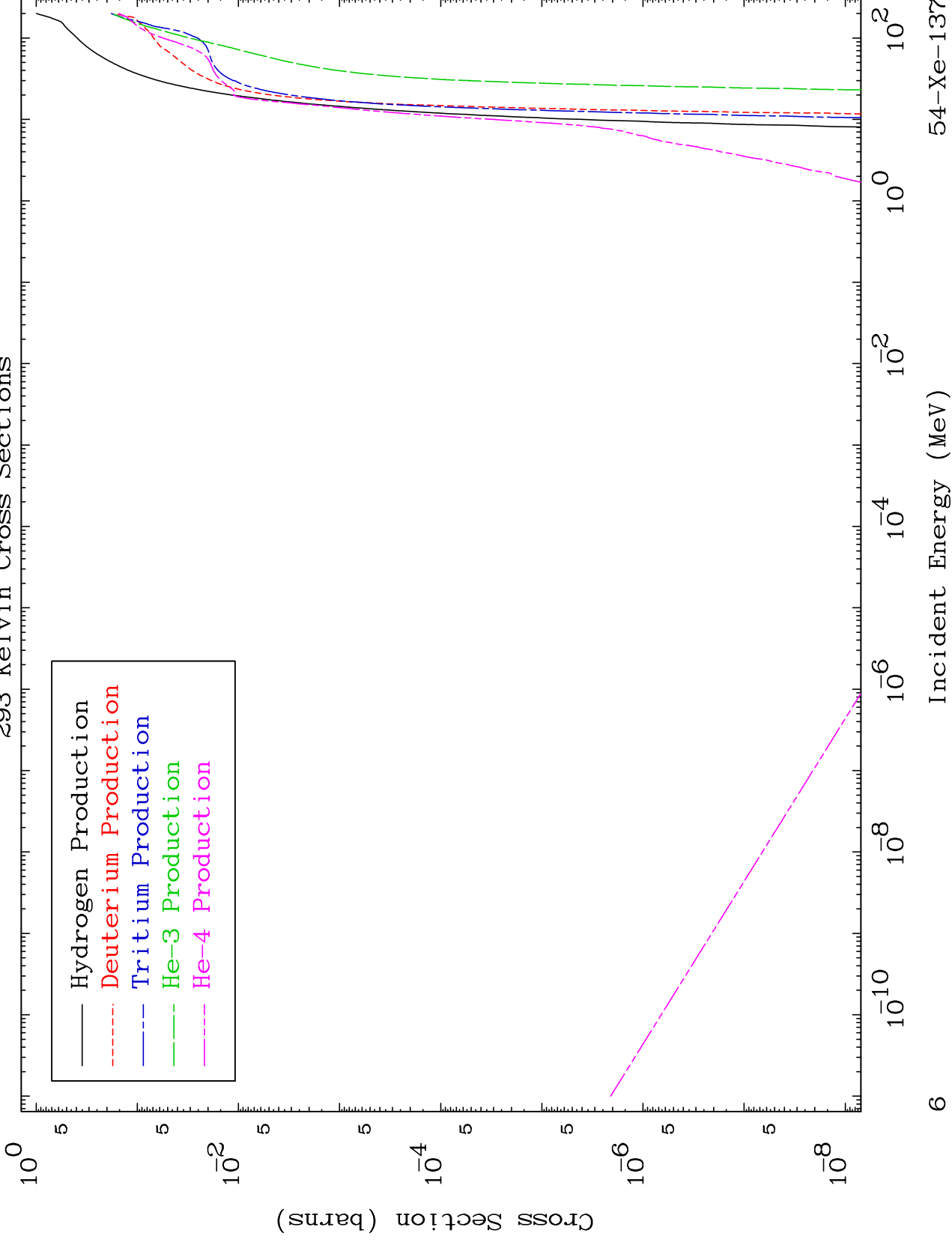


5

MAT 5464

Particle Production
293 Kelvin Cross Sections

54-Xe-137

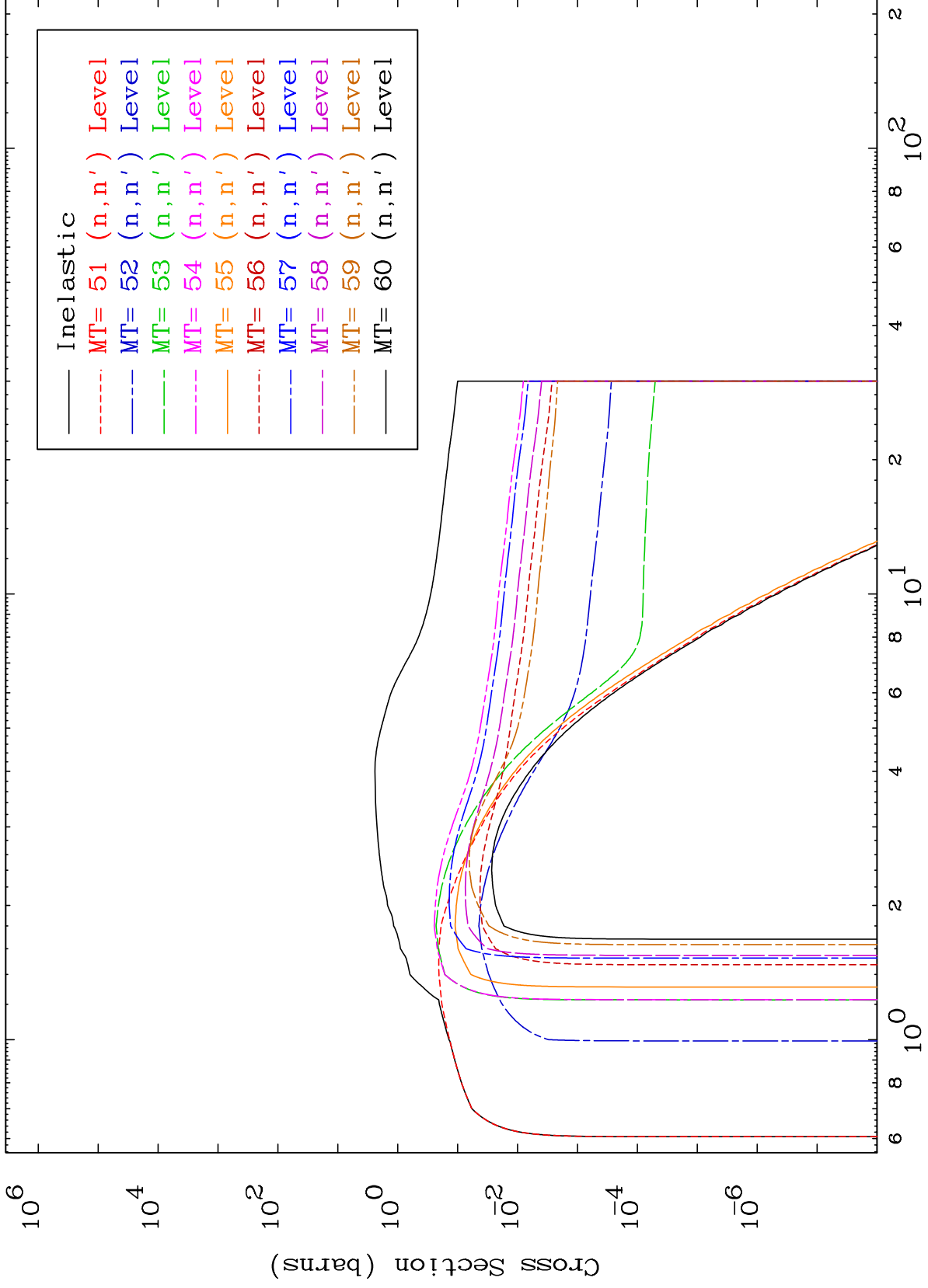


MAT 5464

(n,n') Level

54-Xe-137

293 Kelvin Cross Sections



7

Incident Energy (MeV)

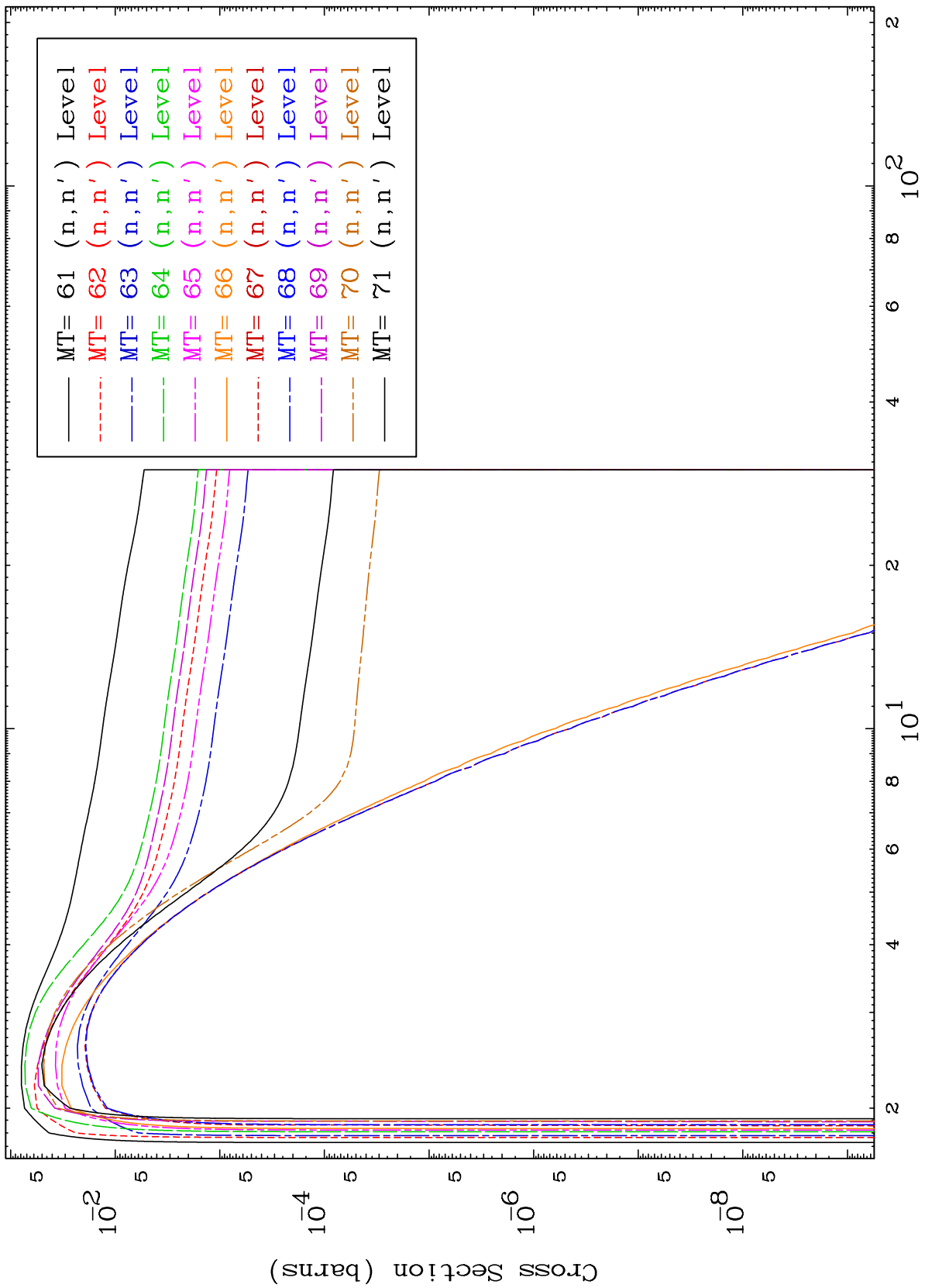
54-Xe-137

MAT 5464

(n,n') Level

54-Xe-137

293 Kelvin Cross Sections



8

Incident Energy (MeV)

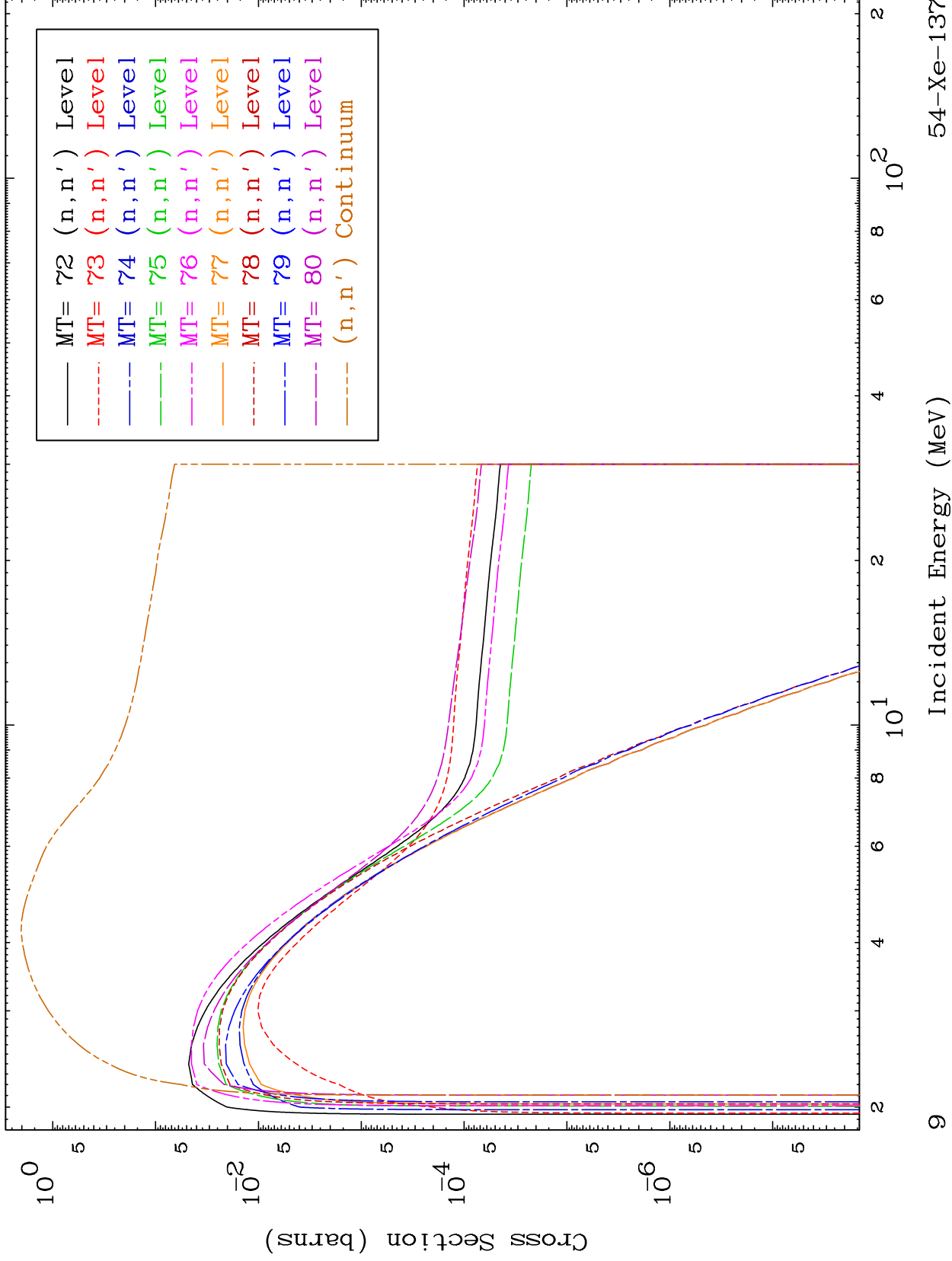
54-Xe-137

MAT 5464

(n,n') Level

54-Xe-137

293 Kelvin Cross Sections



9

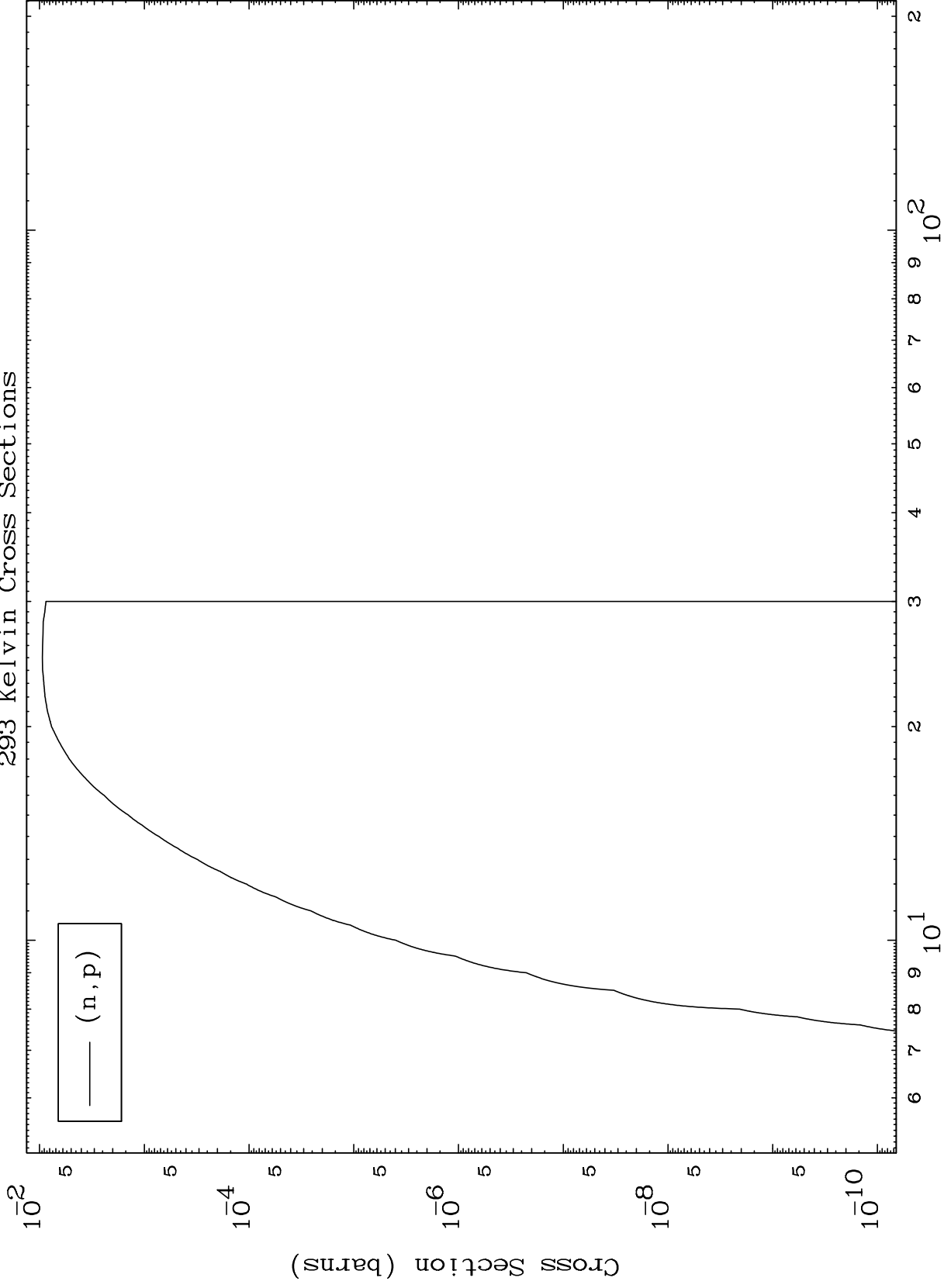
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-137



10

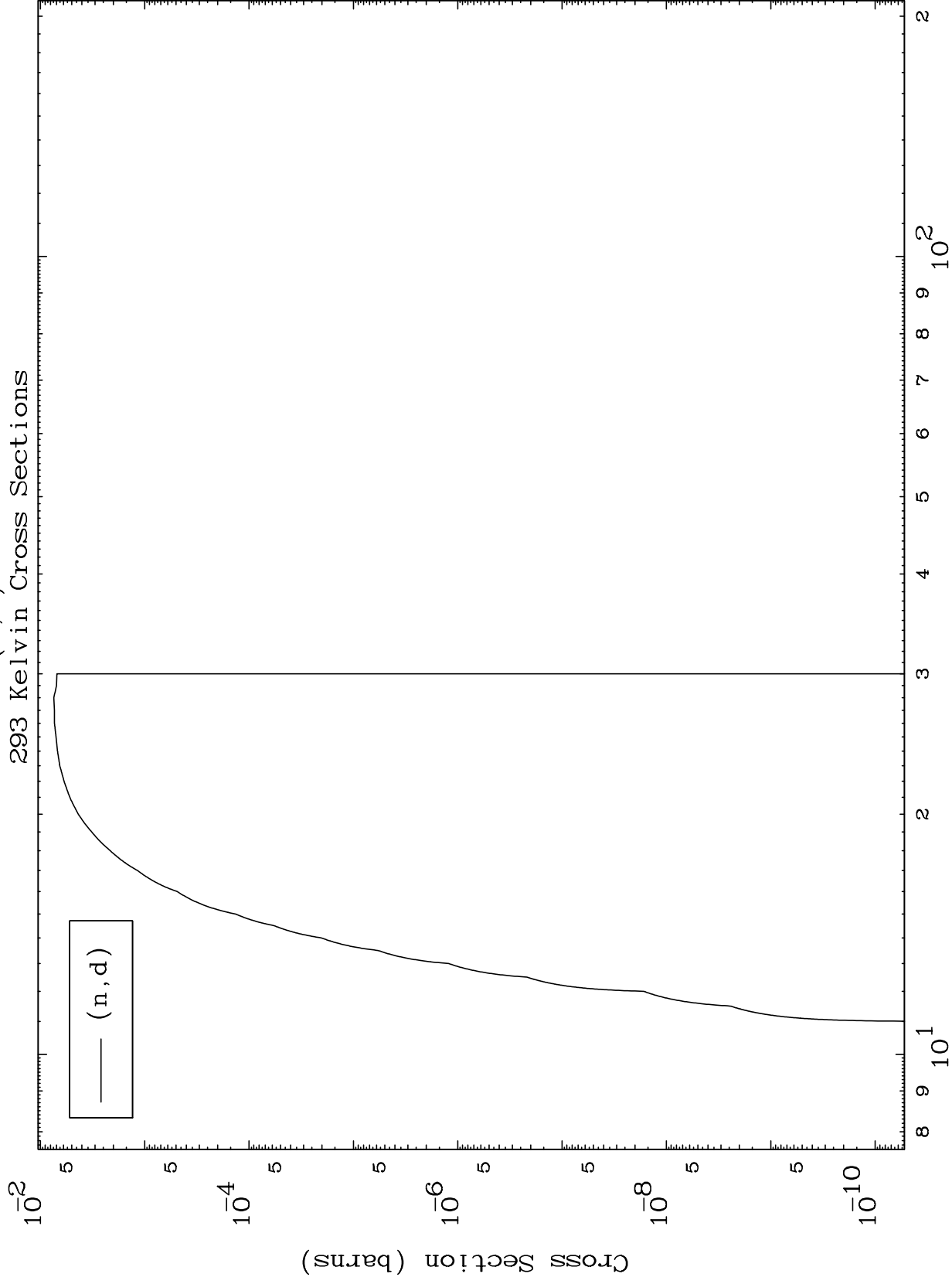
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-137



11

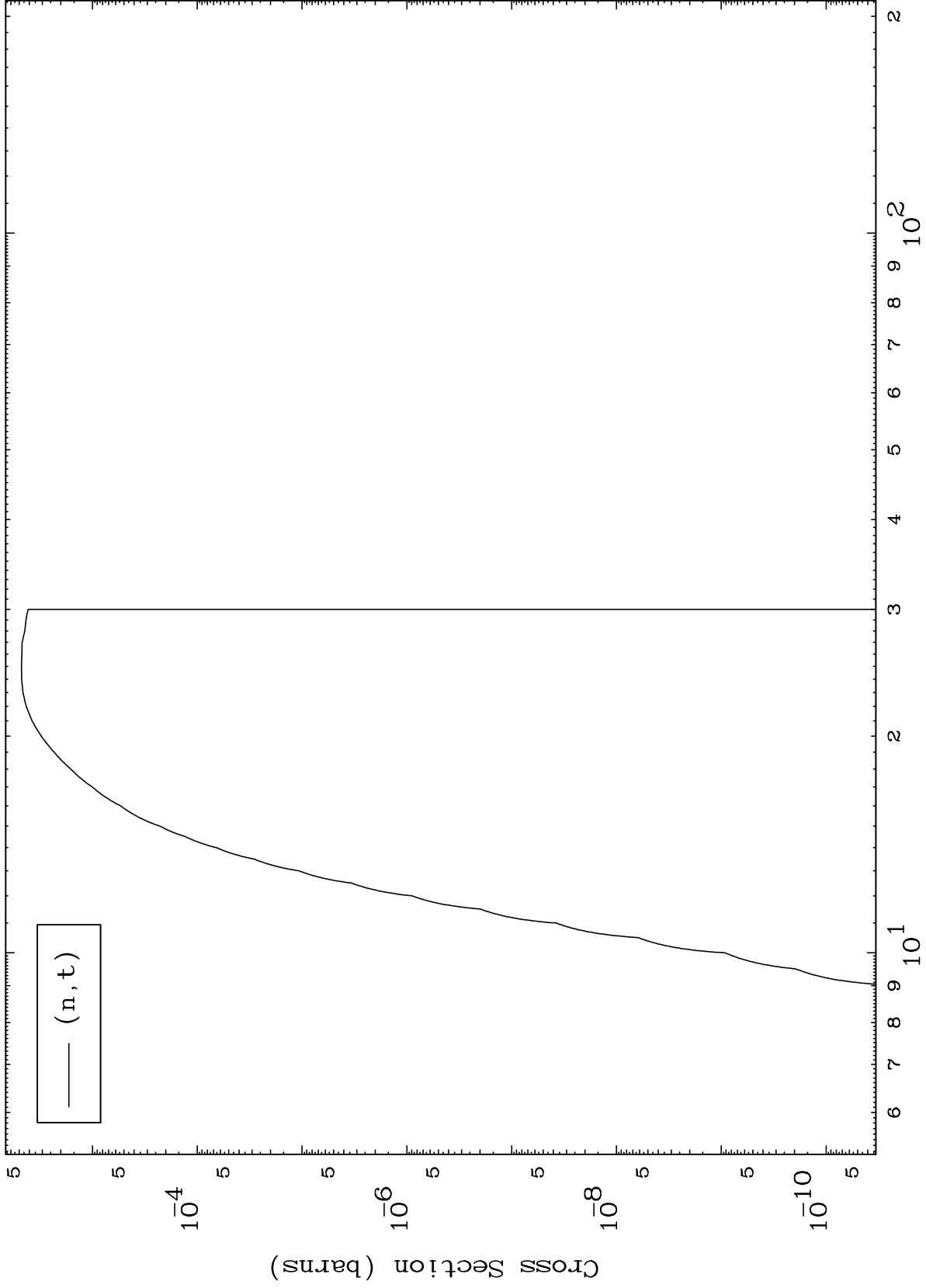
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-137



12

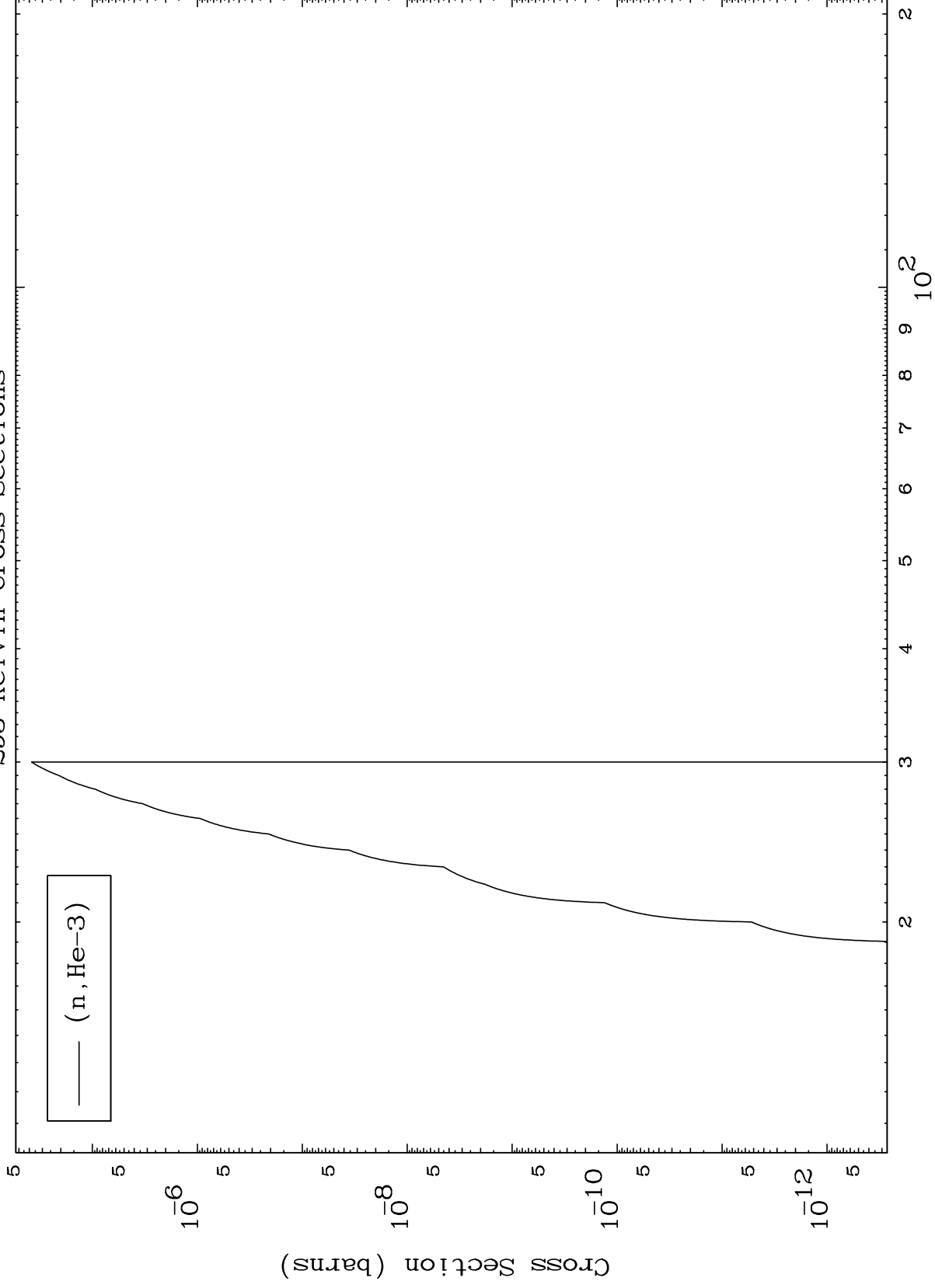
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-137



13

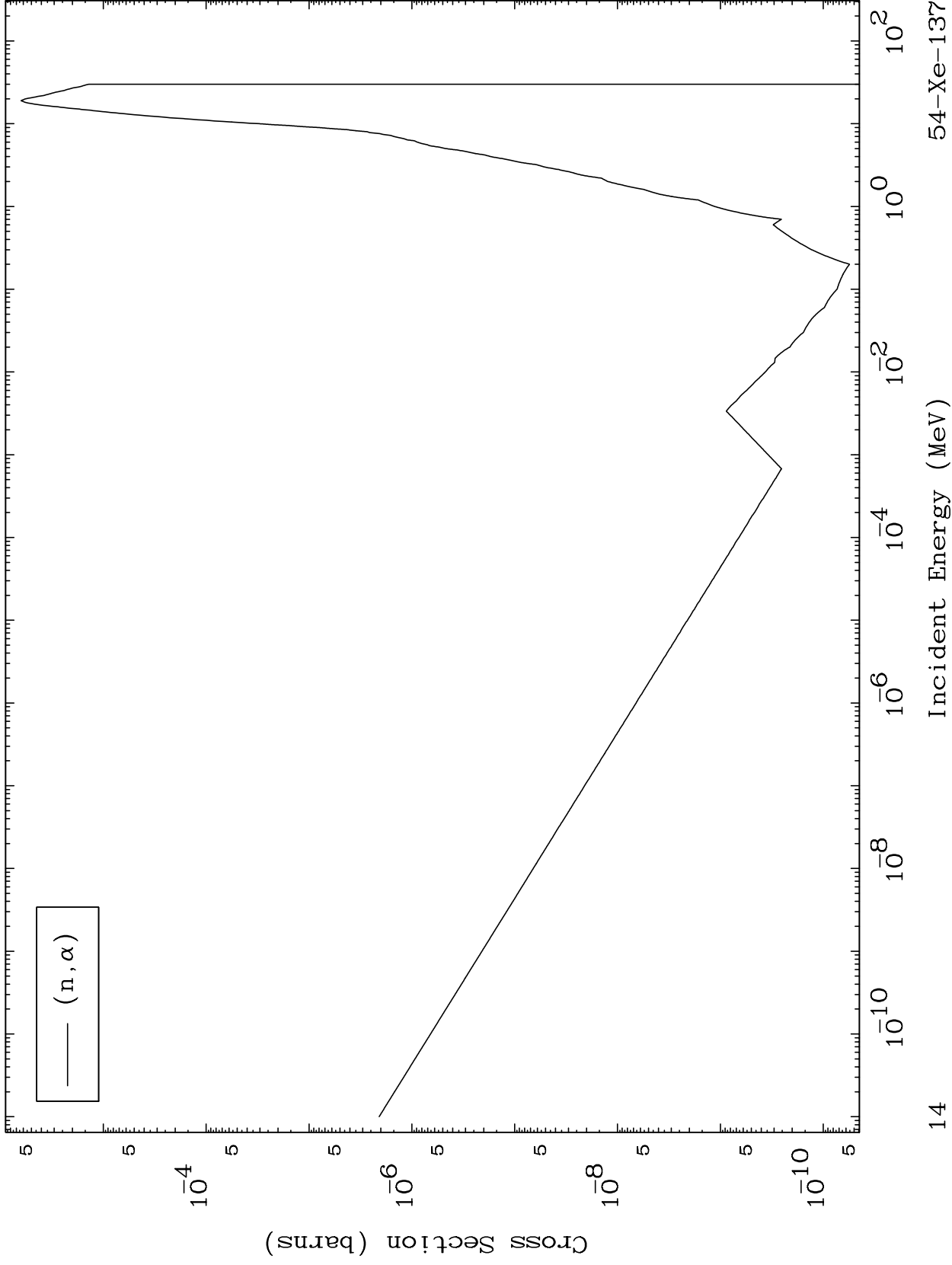
Incident Energy (MeV)

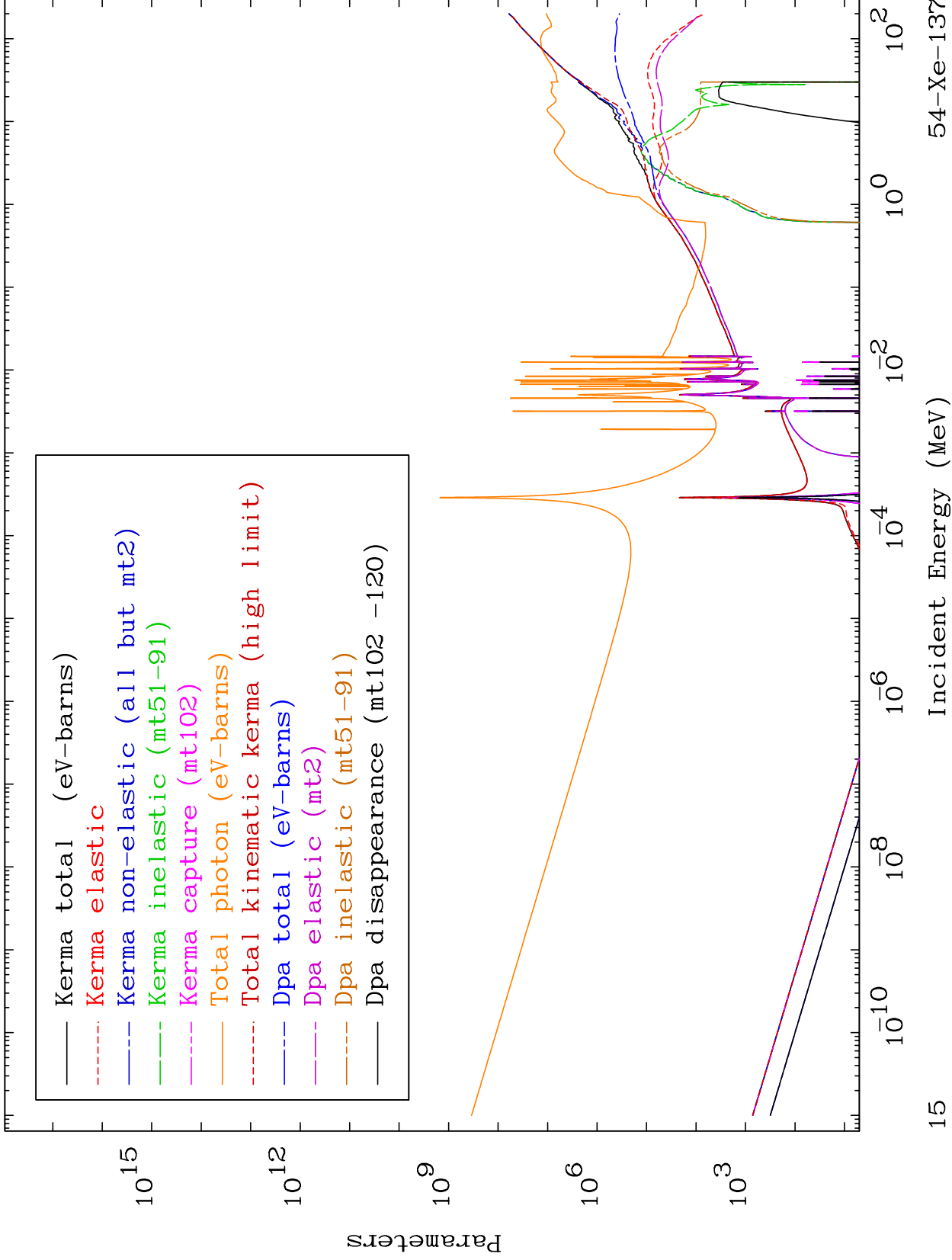
54-Xe-137

MAT 5464

(n, α) Levels
293 Kelvin Cross Sections

54-Xe-137

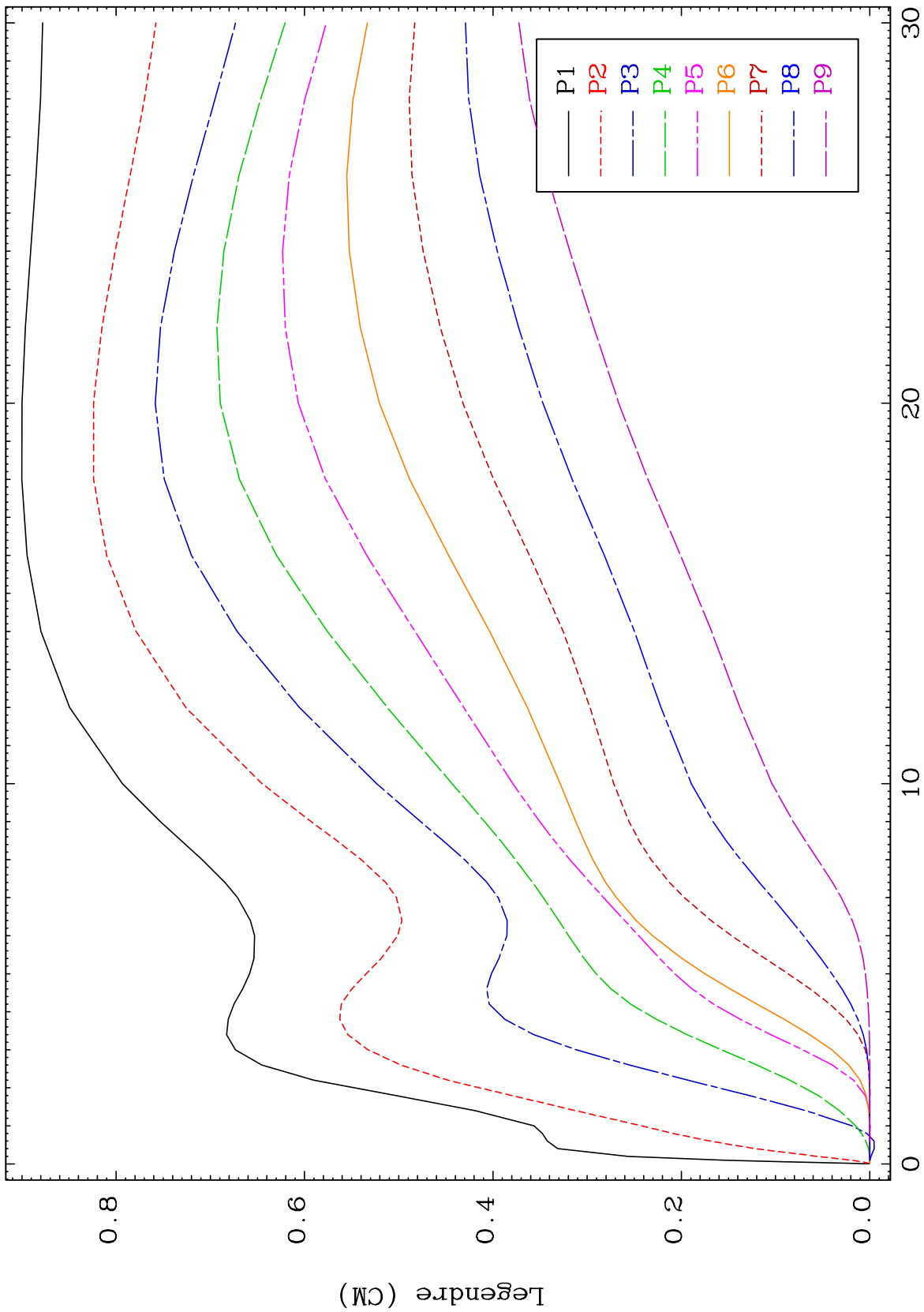




MAT 5464

Elastic Legendre Coefficients

54-Xe-137



16

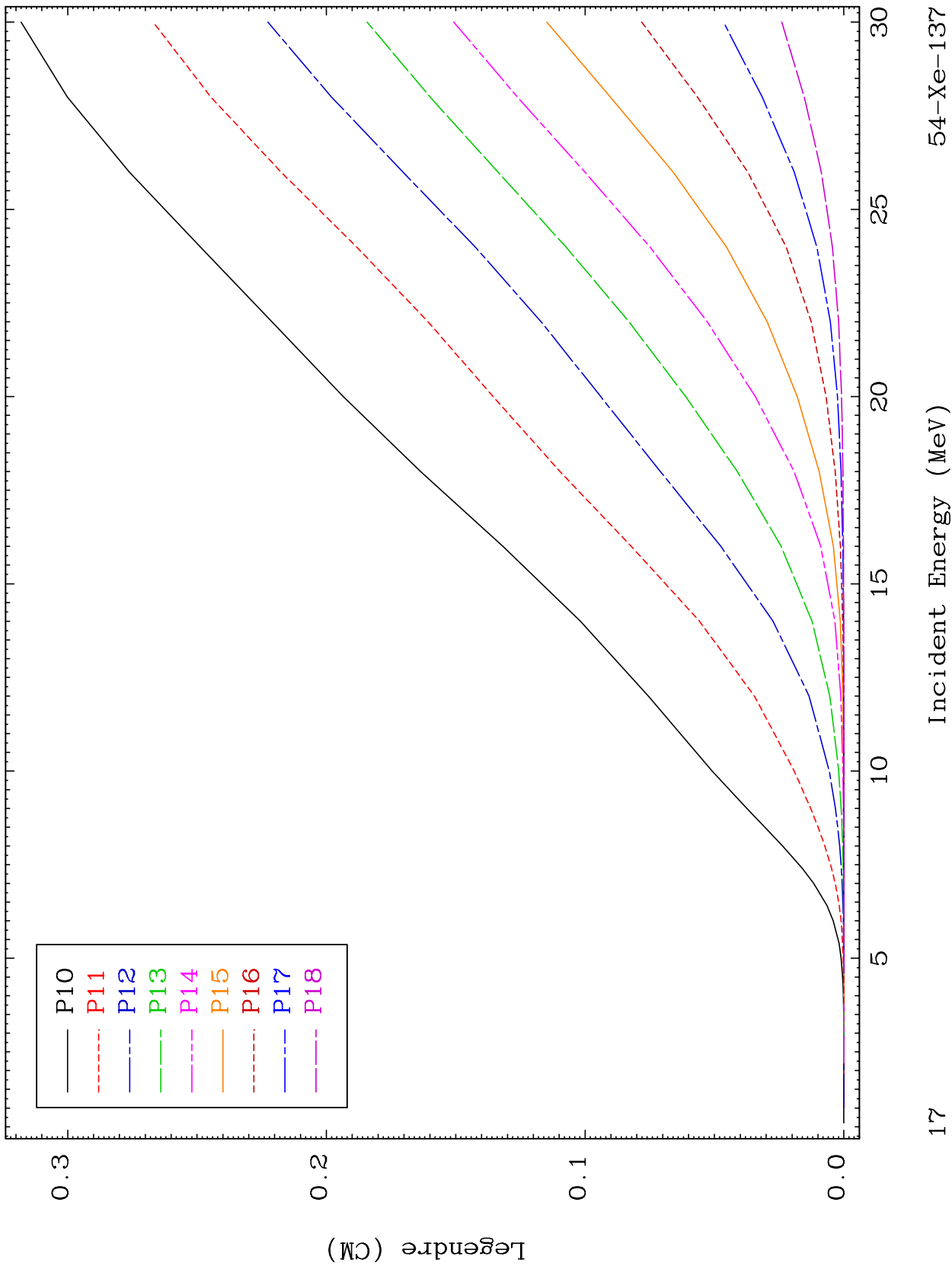
Incident Energy (MeV)

54-Xe-137

MAT 5464

Elastic Legendre Coefficients

54-Xe-137

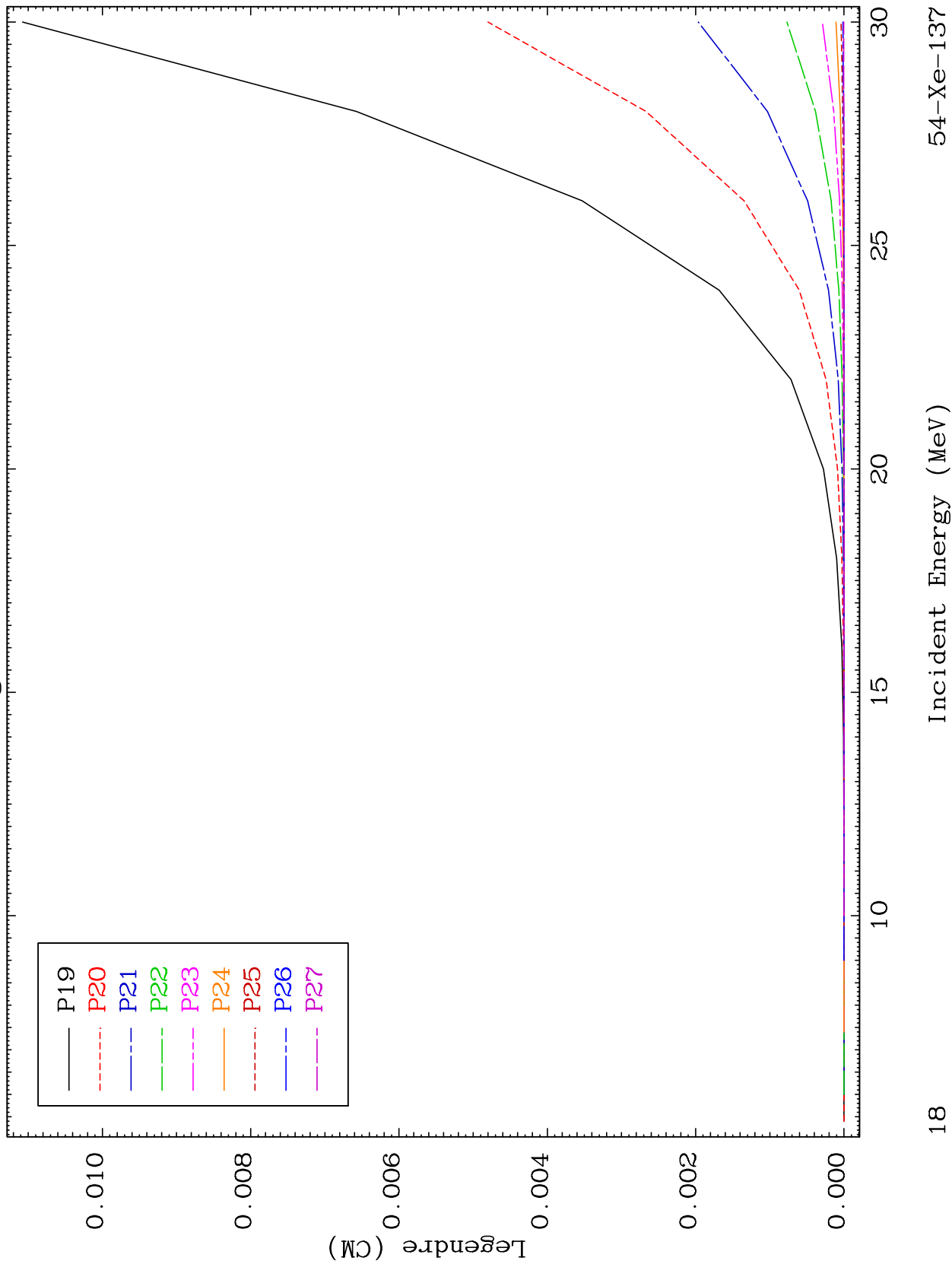


17

MAT 5464

Elastic Legendre Coefficients

54-Xe-137



18

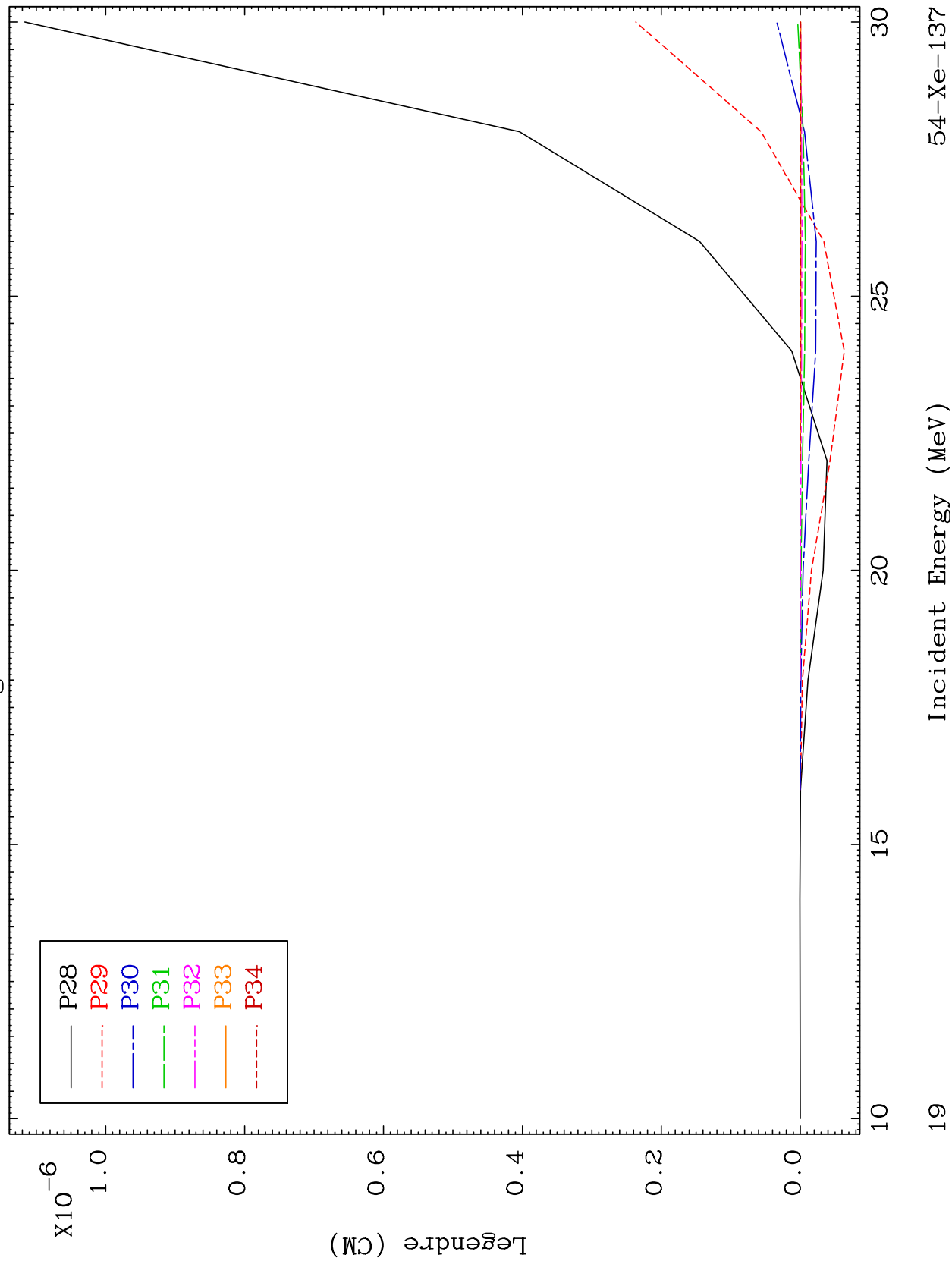
Incident Energy (MeV)

54-Xe-137

MAT 5464

Elastic
Legendre Coefficients

54-Xe-137



19

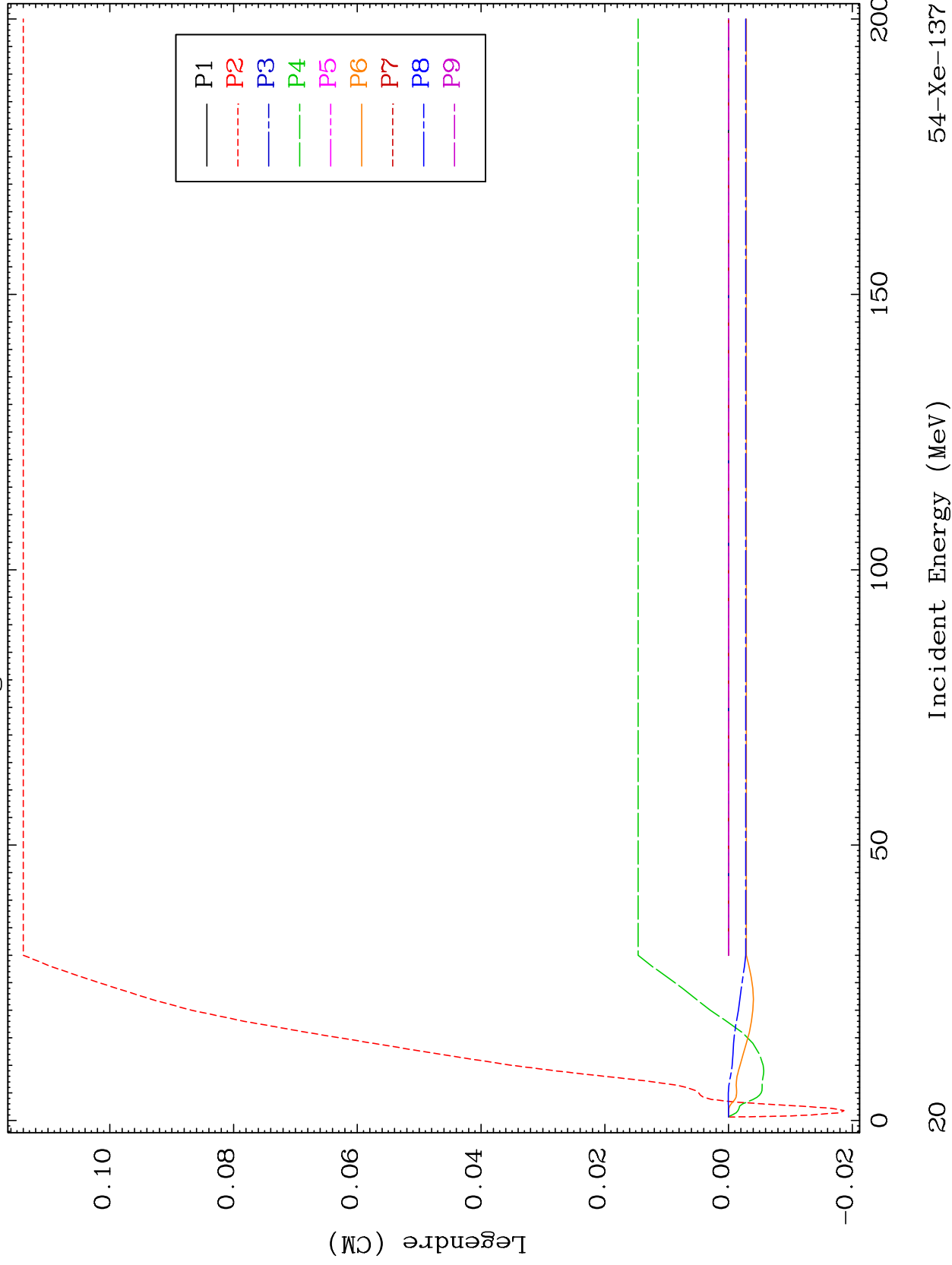
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



54-Xe-137

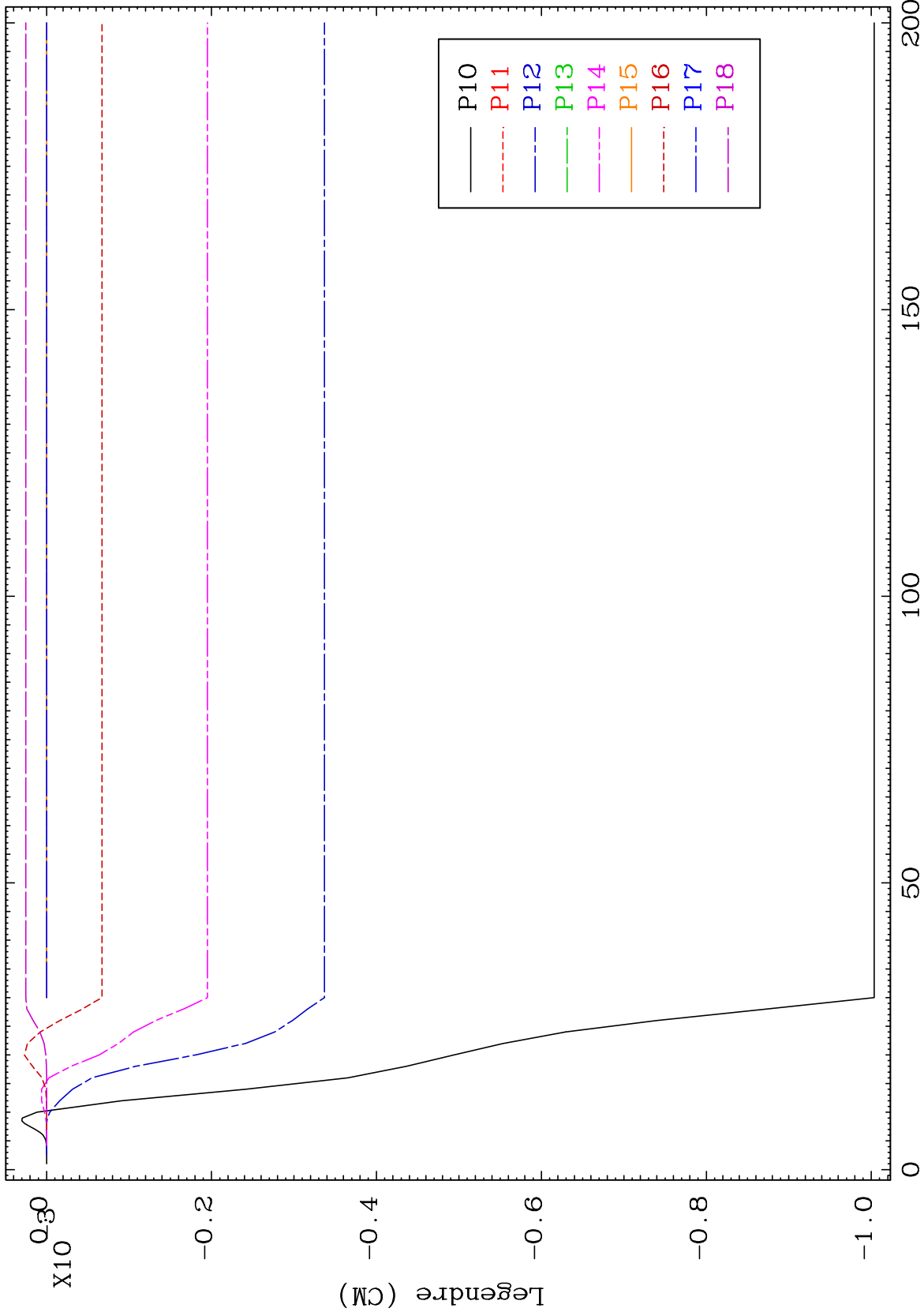
Incident Energy (MeV)

Legendre (CM)

MAT 5464

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

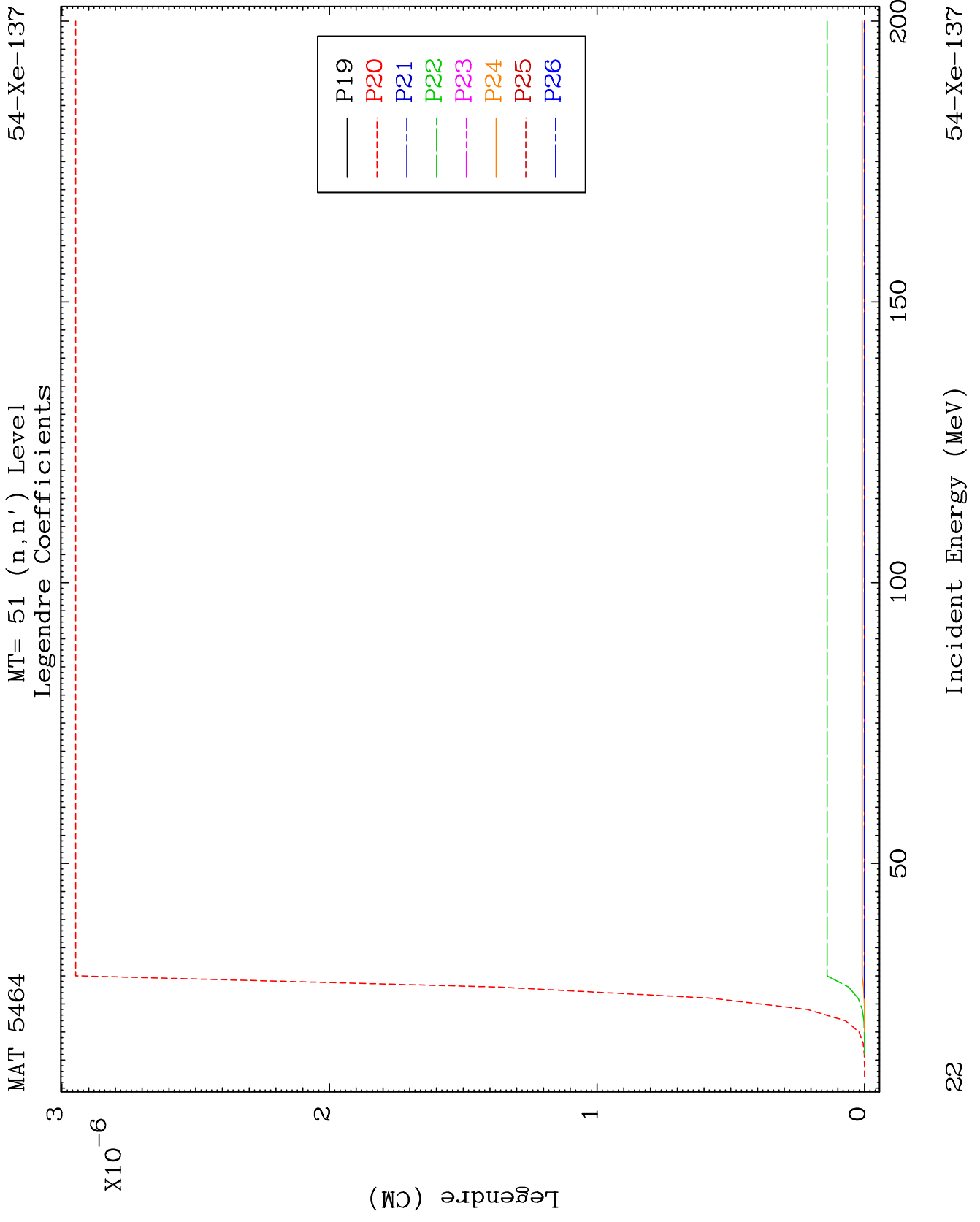
54-Xe-137



21

Incident Energy (MeV)

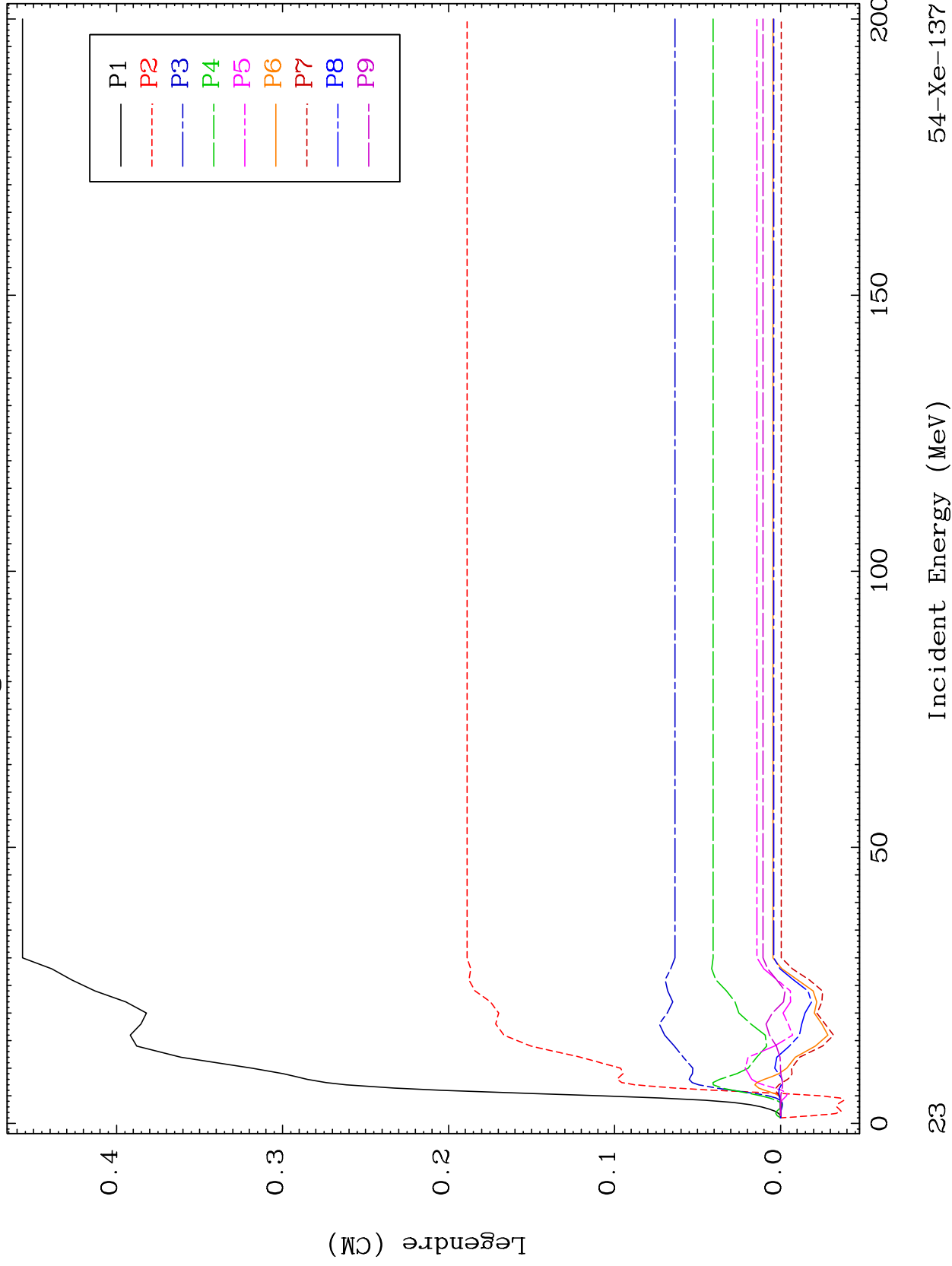
54-Xe-137



MAT 5464

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

54-Xe-137



54-Xe-137

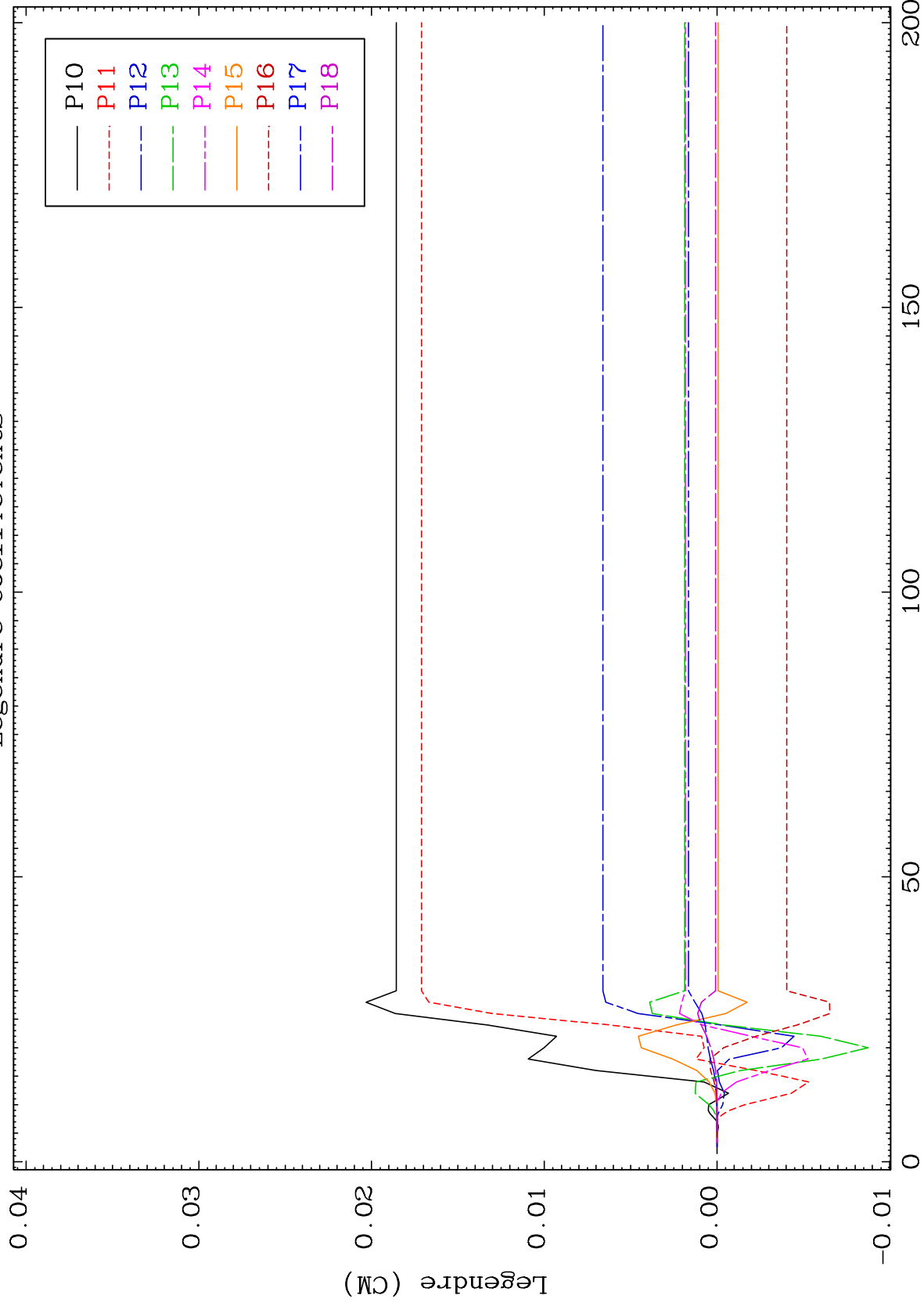
Incident Energy (MeV)

23

MAT 5464

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

54-Xe-137



24

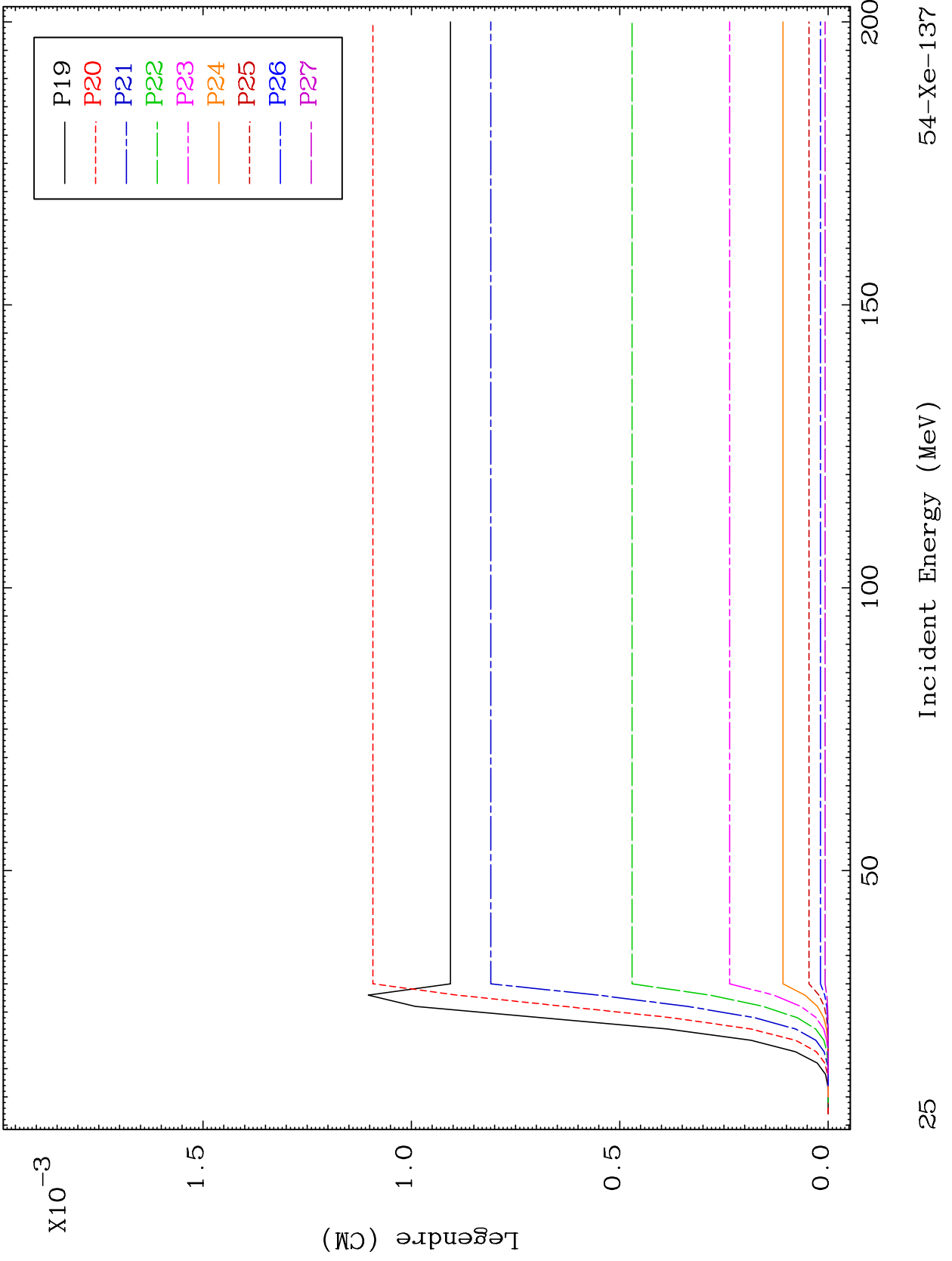
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



25

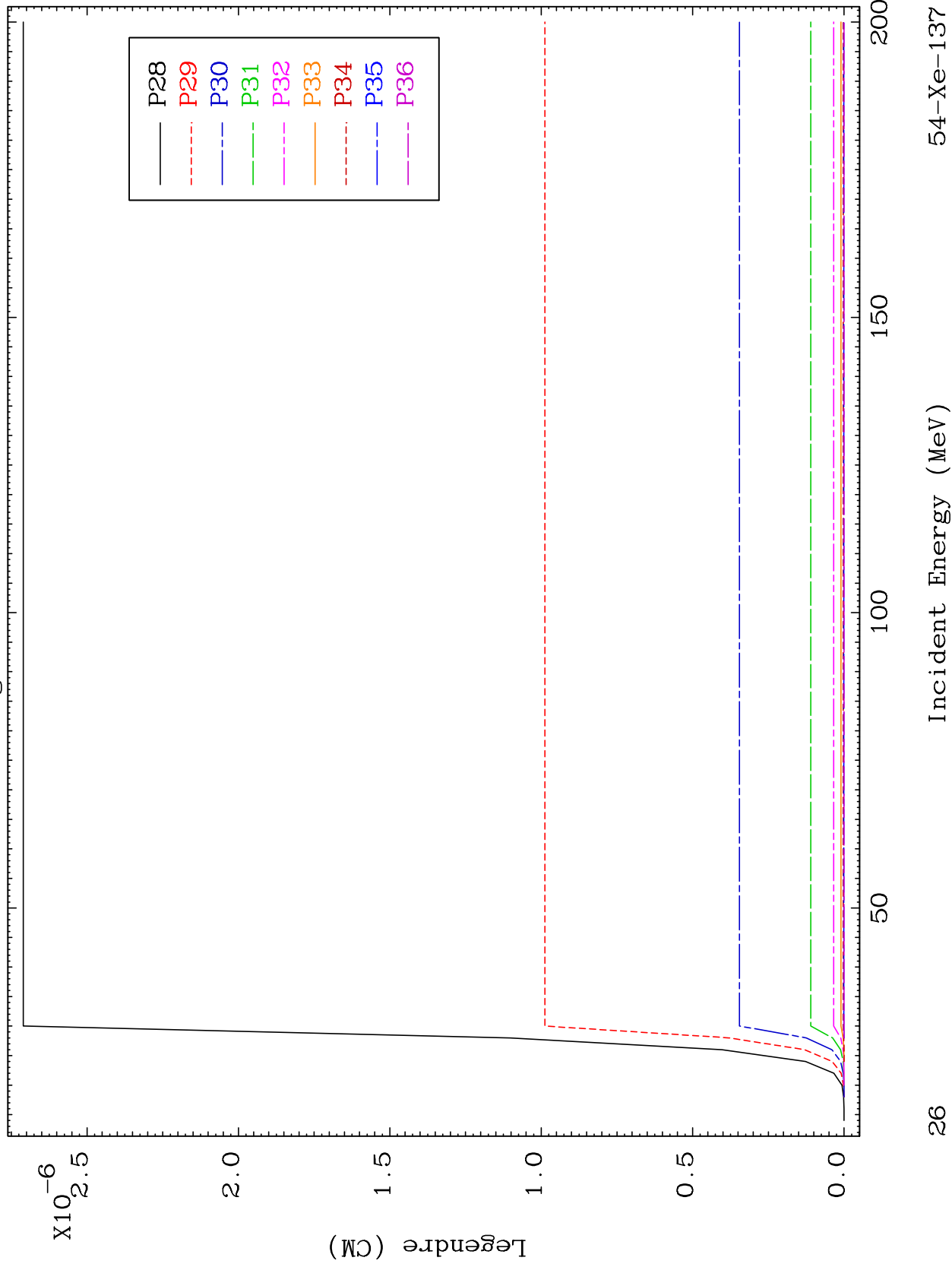
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



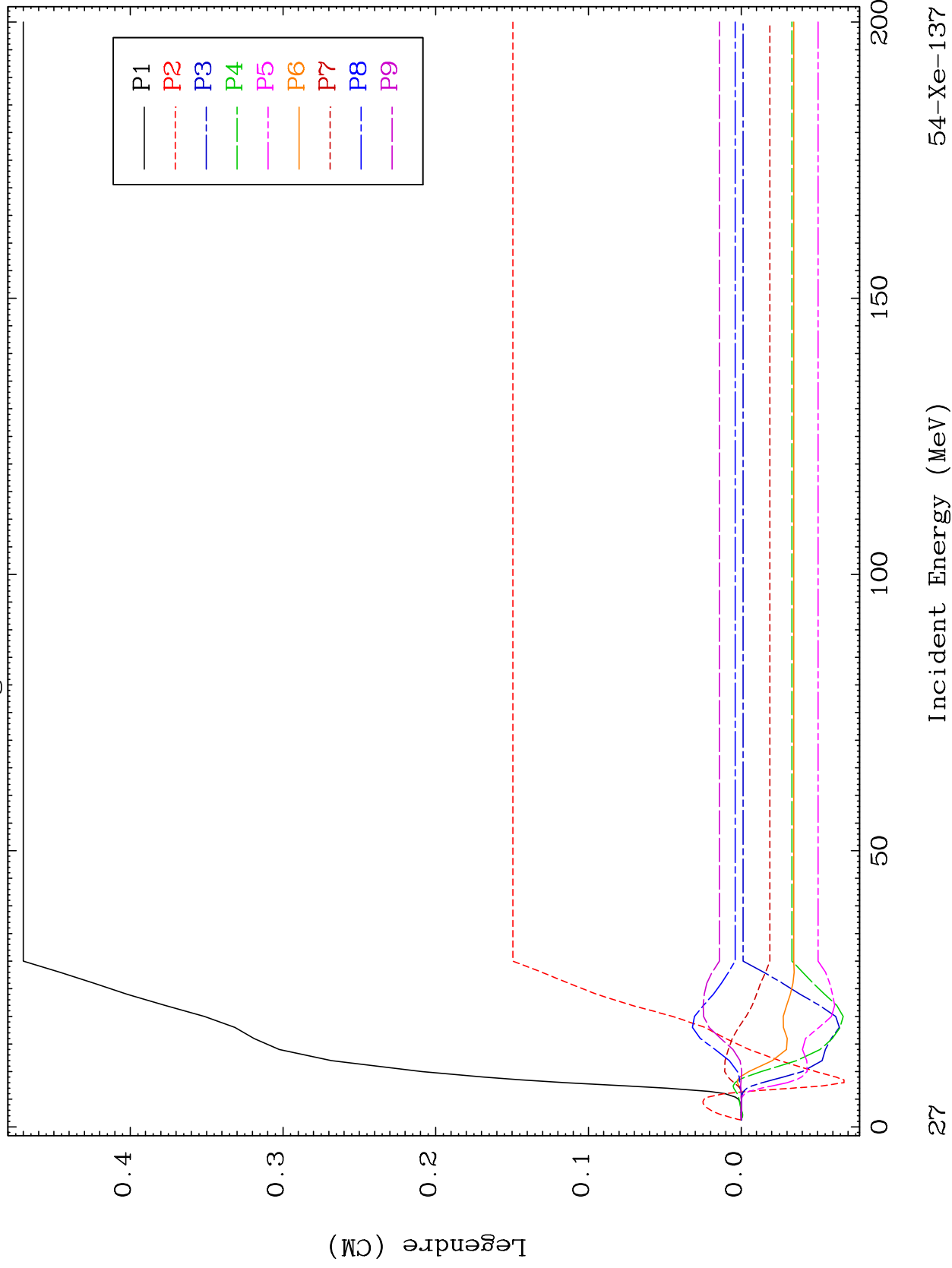
26

54-Xe-137

MAT 5464

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

54-Xe-137



54-Xe-137

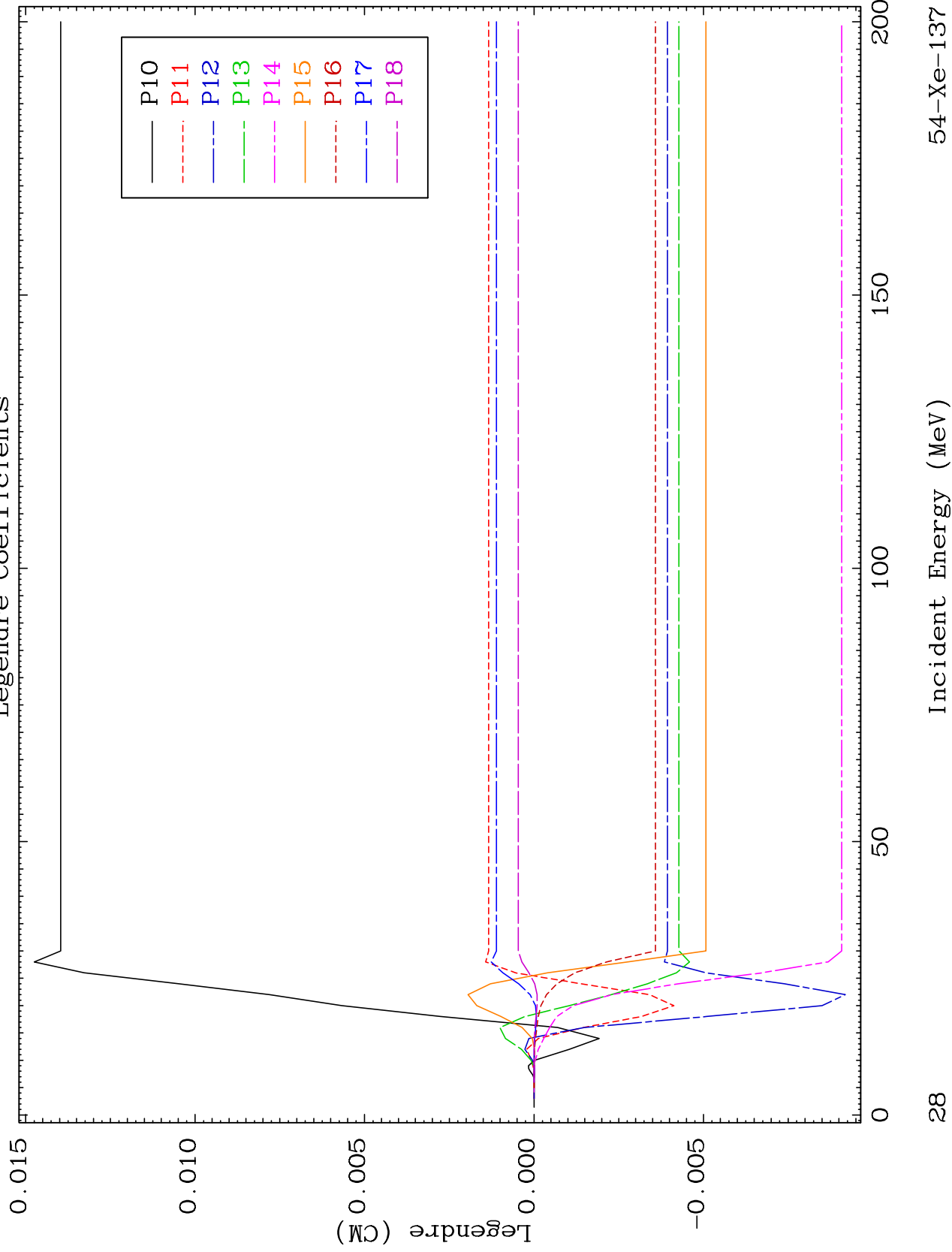
Incident Energy (MeV)

27

MAT 5464

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

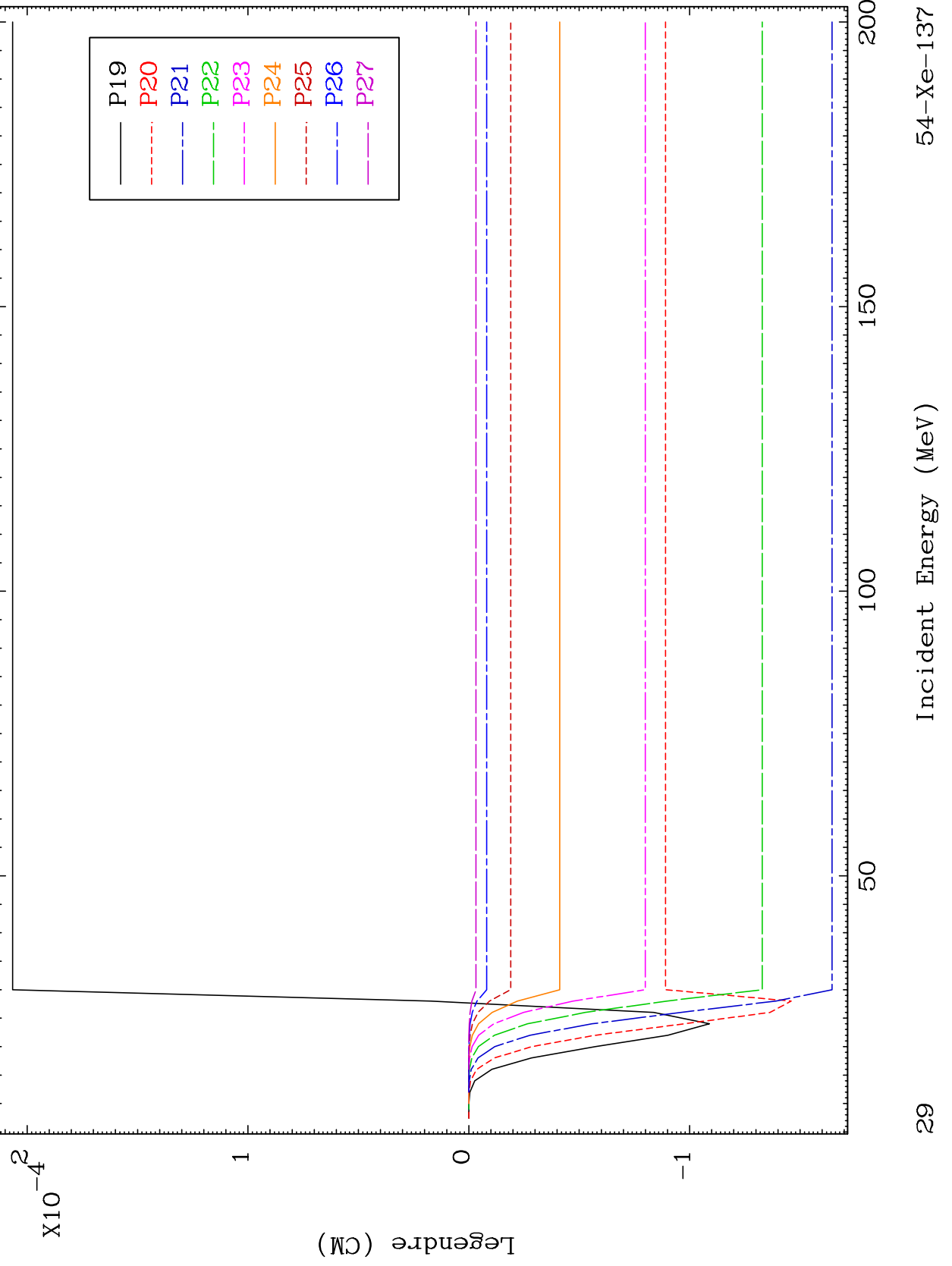
54-Xe-137



28

Incident Energy (MeV)

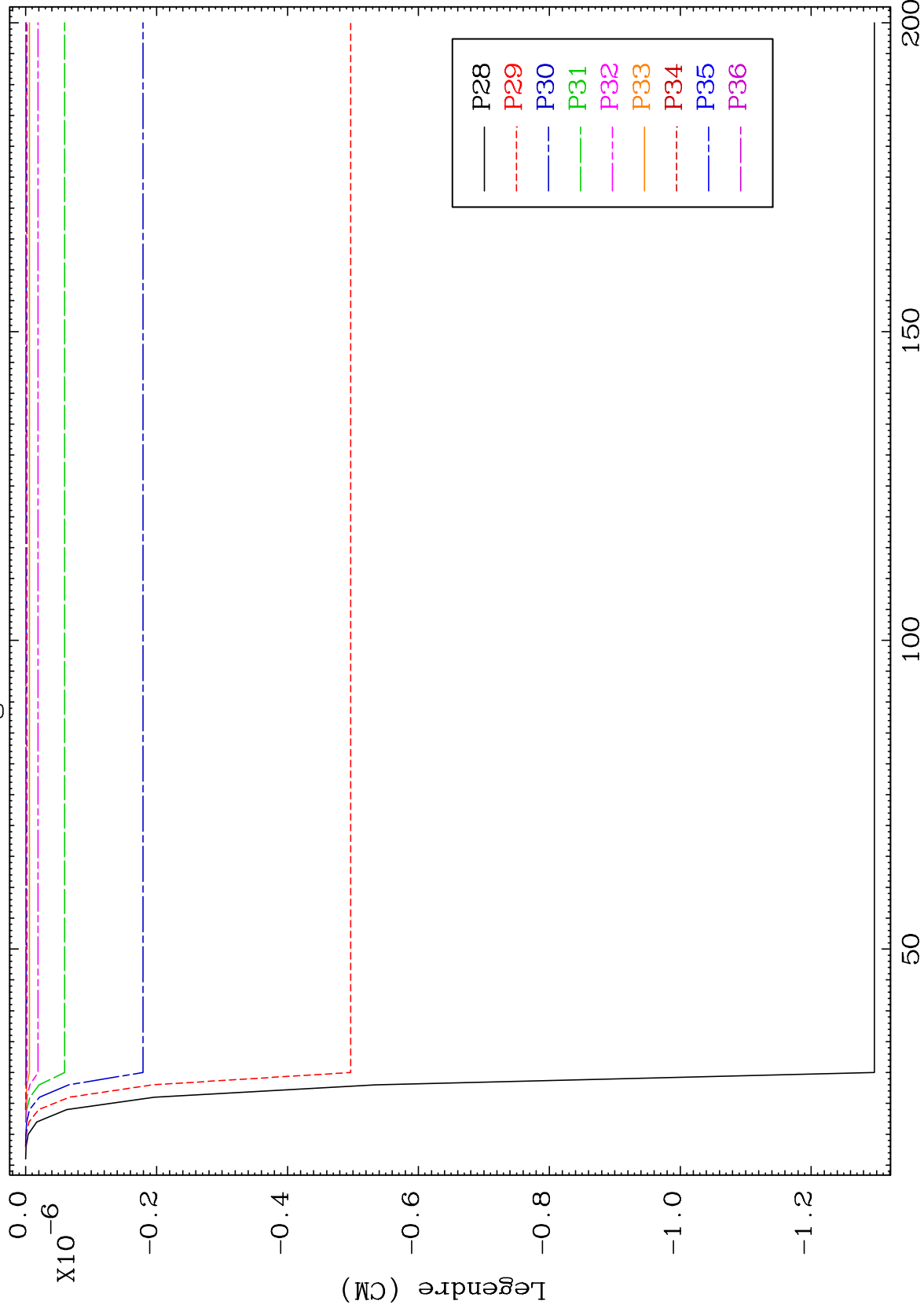
54-Xe-137



MAT 5464

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

54-Xe-137



30

Incident Energy (MeV)

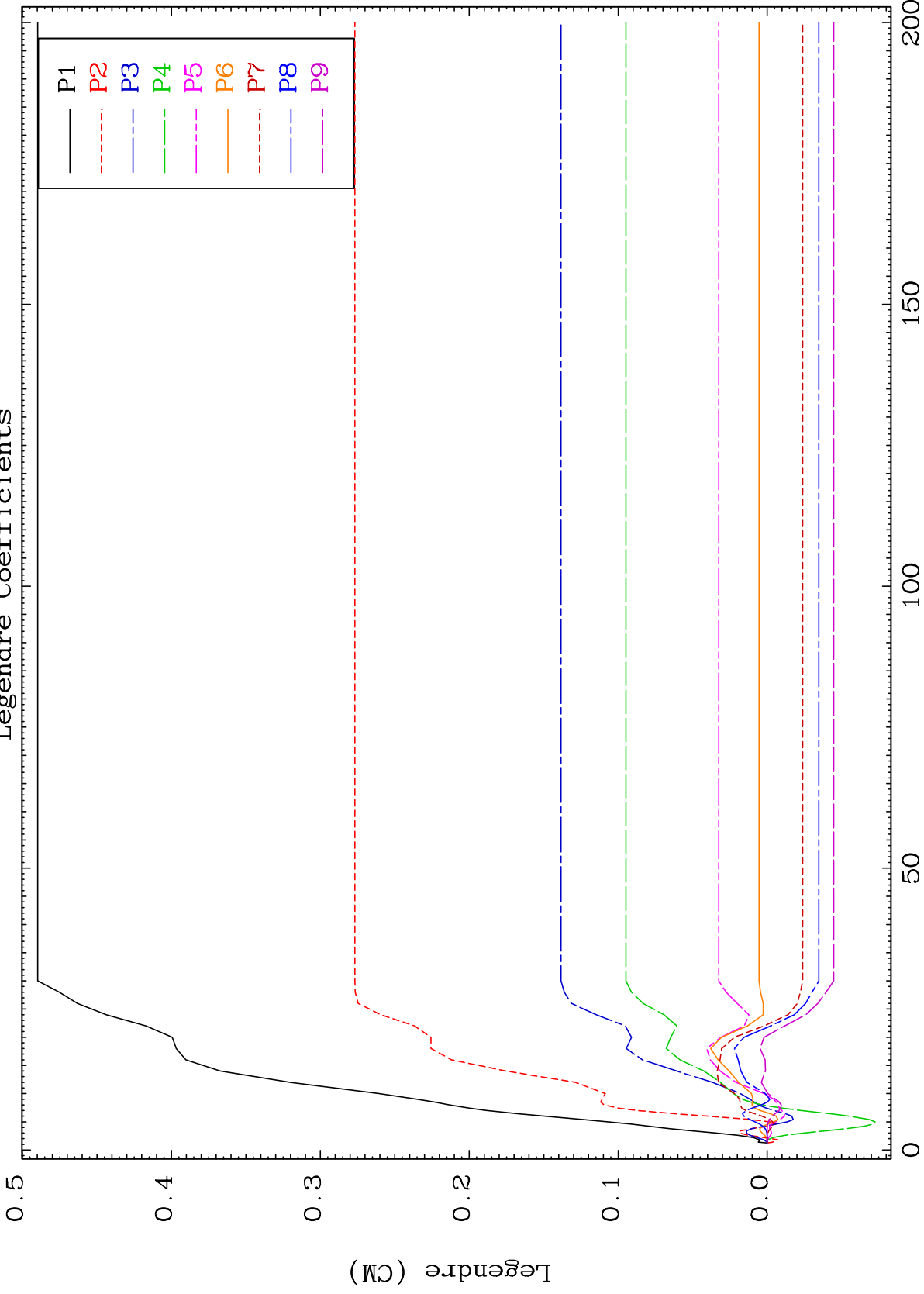
54-Xe-137

MAT 5464

MT= 54 (n,n') Level

54-Xe-137

Legendre Coefficients



31

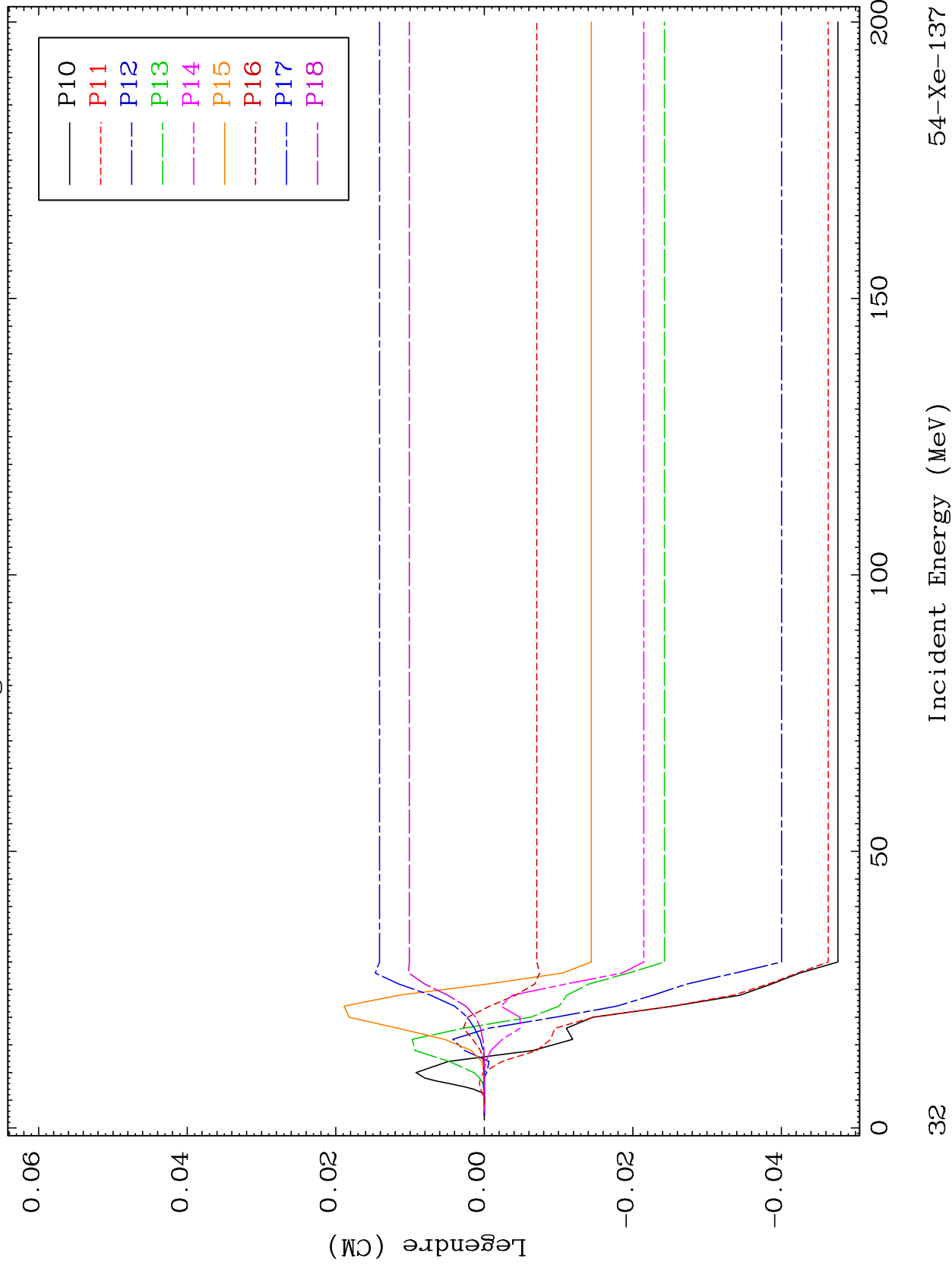
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

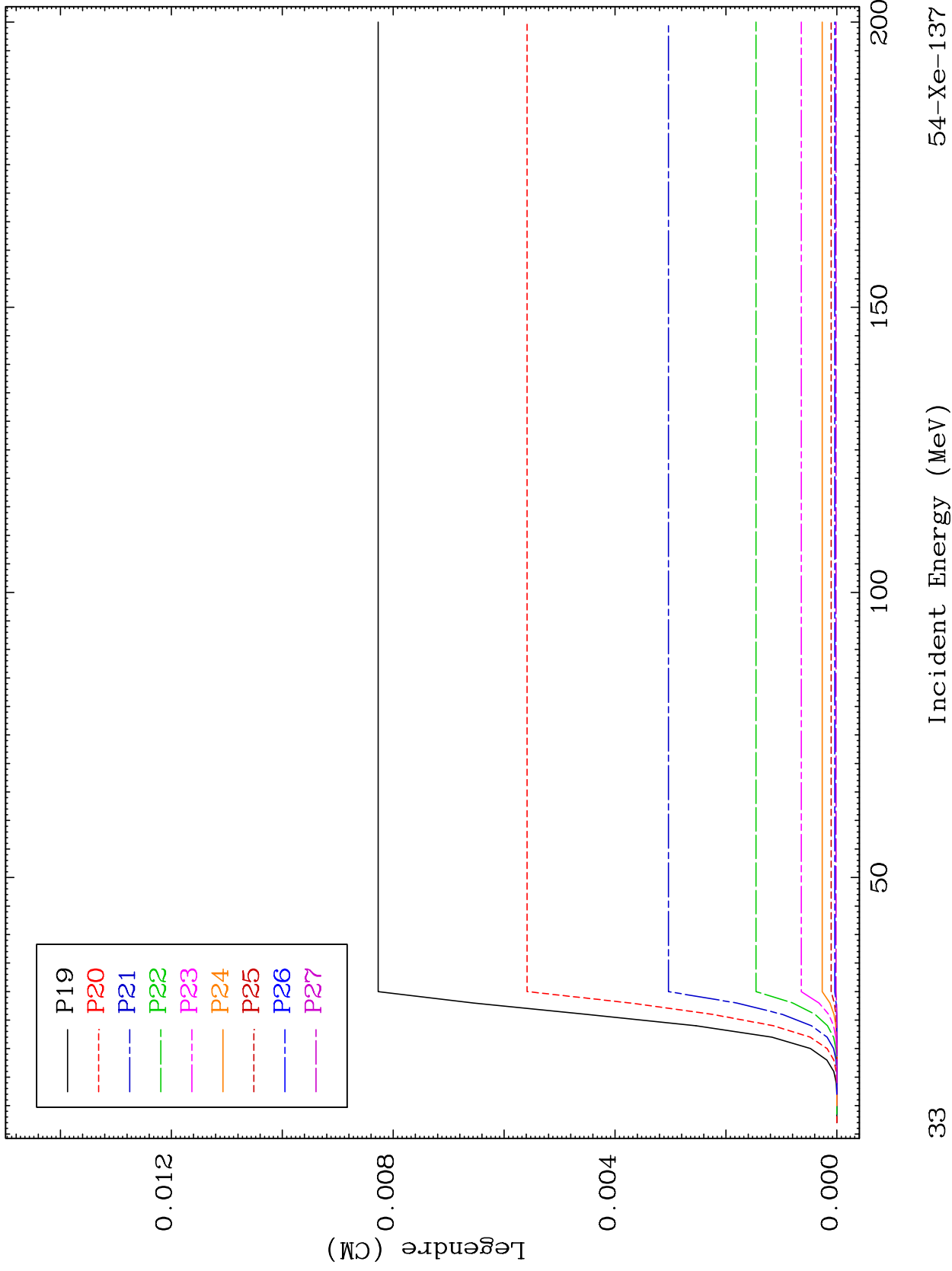
54-Xe-137



54-Xe-137

Incident Energy (MeV)

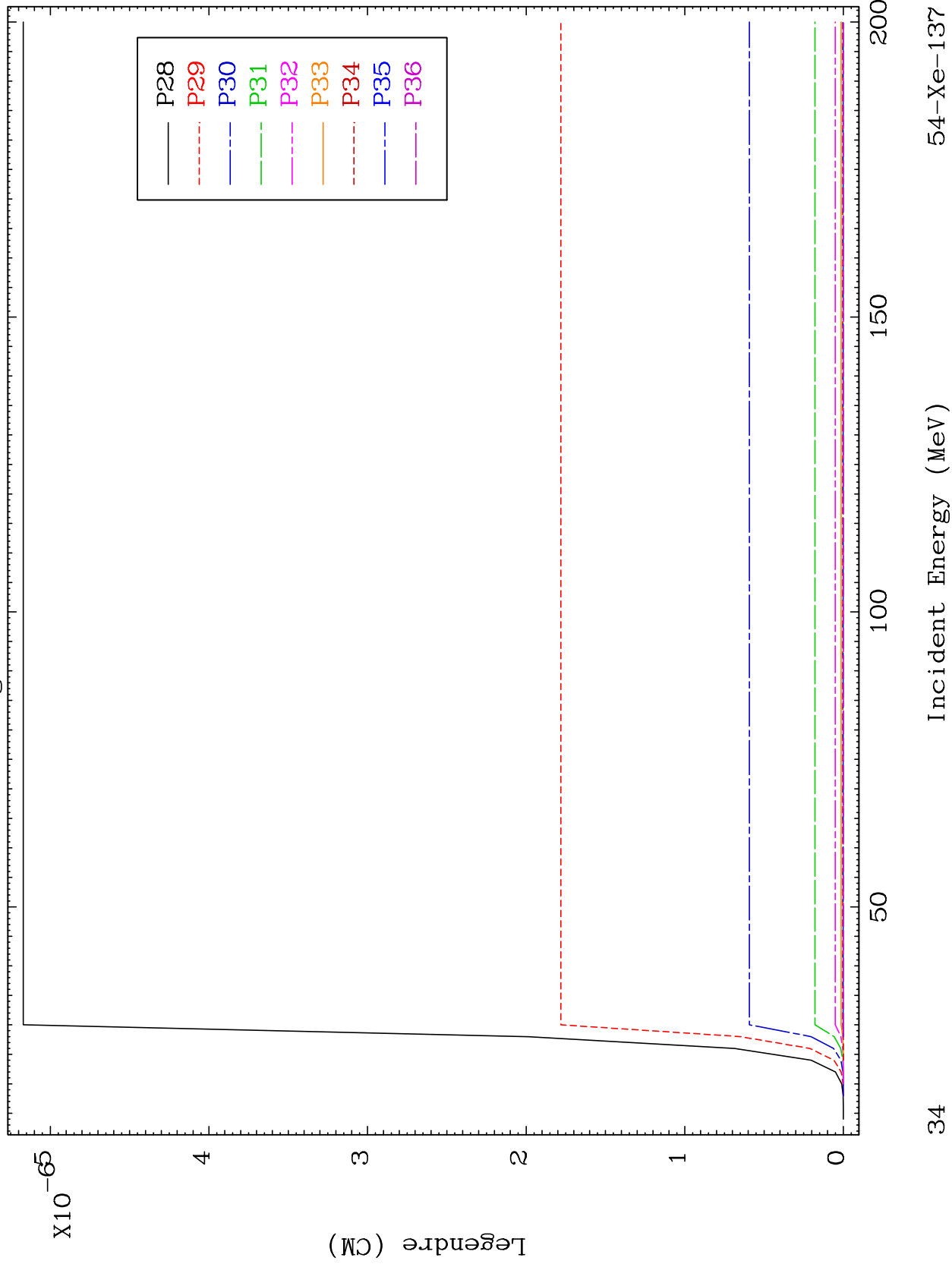
32



MAT 5464

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

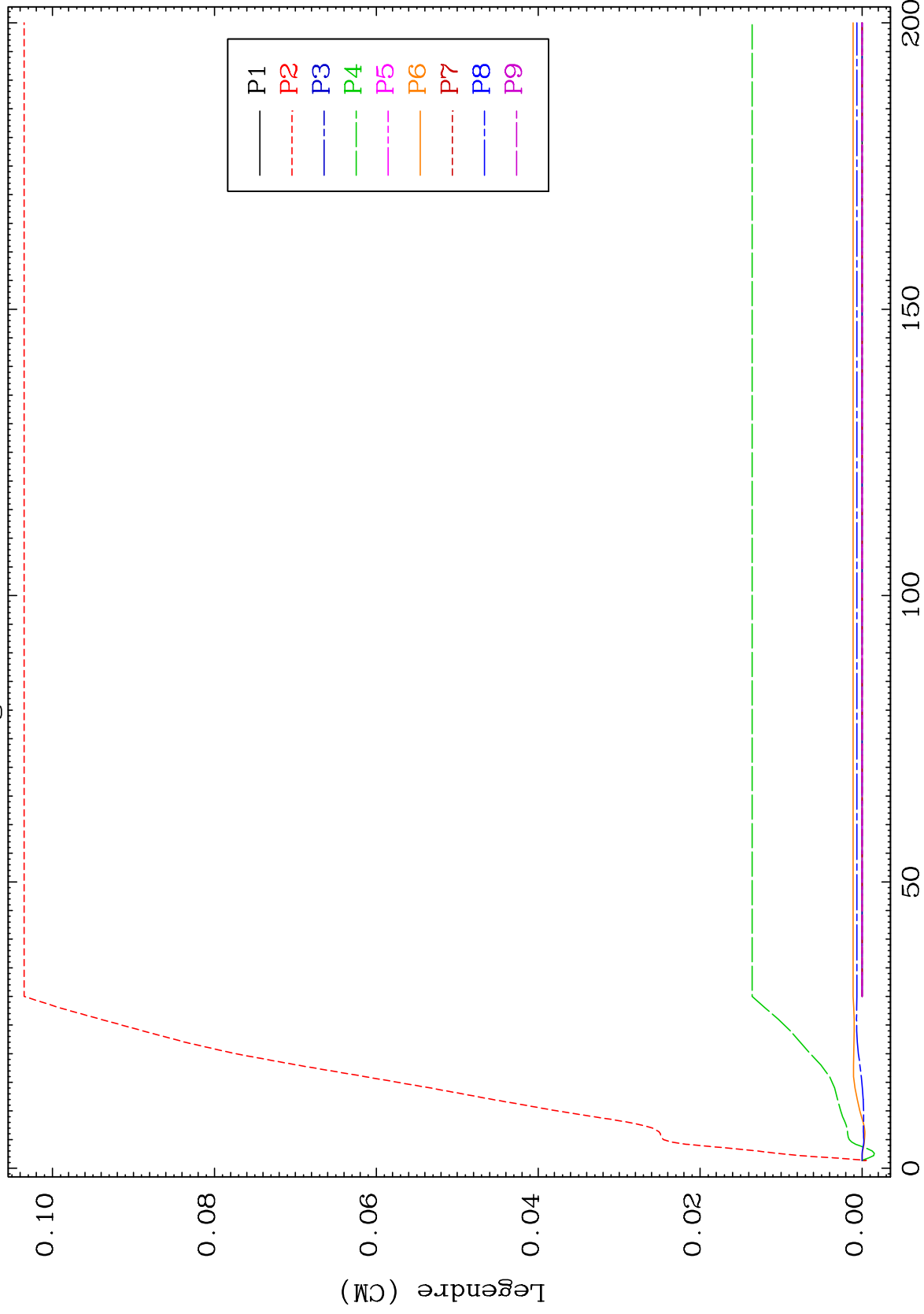
54-Xe-137



MAT 5464

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

54-Xe-137



54-Xe-137

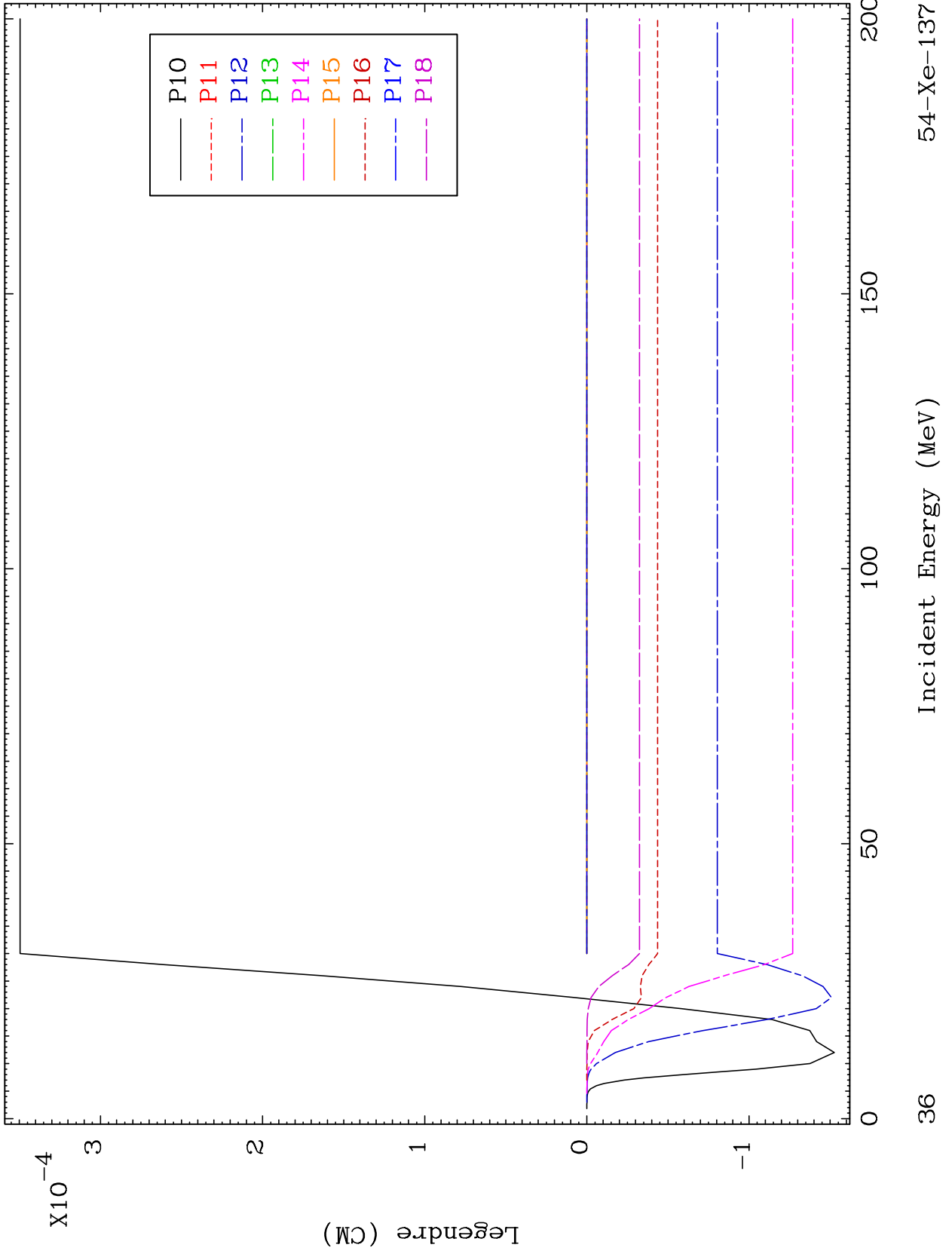
Incident Energy (MeV)

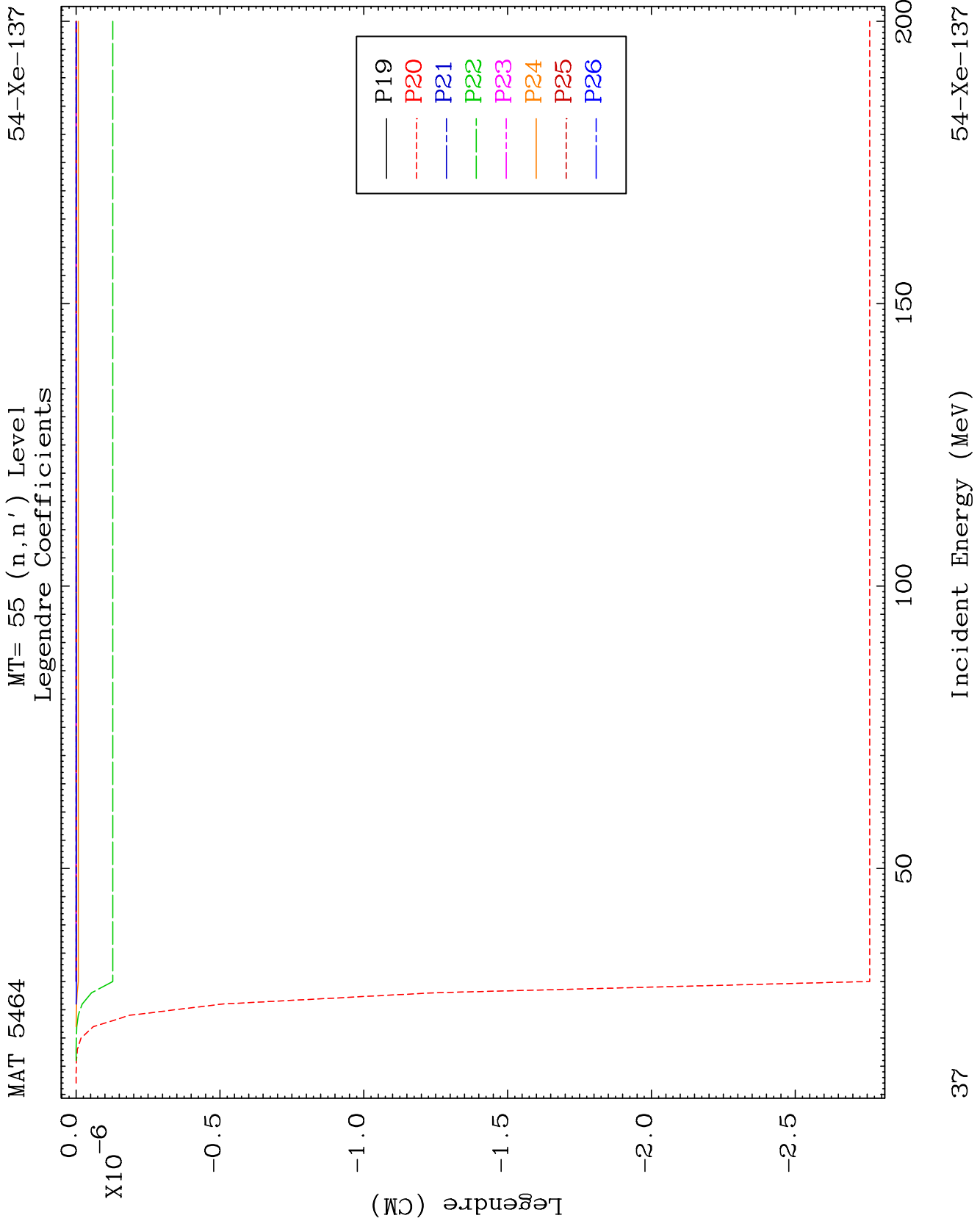
35

MAT 5464

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

54-Xe-137

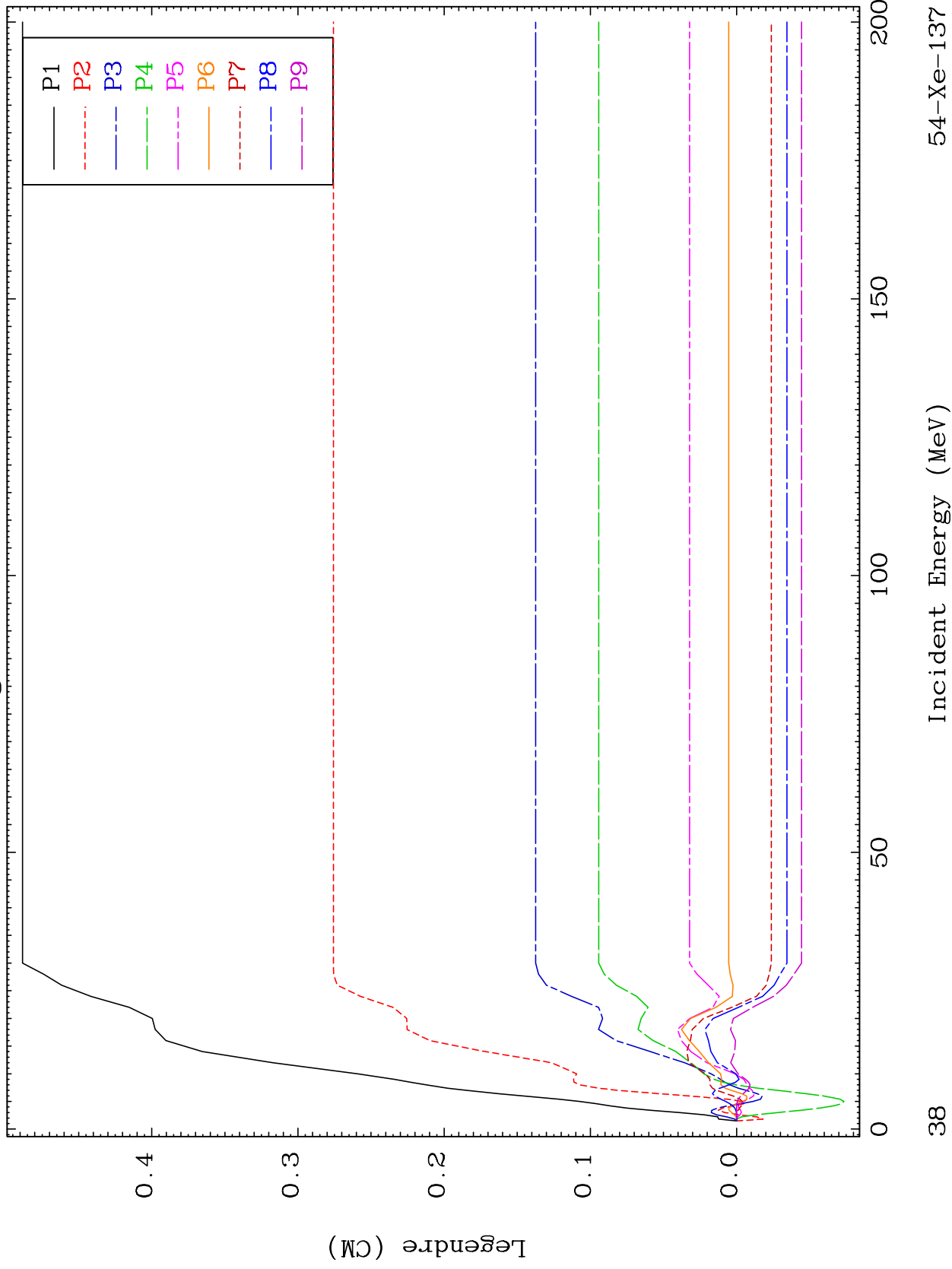




MAT 5464

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

54-Xe-137



54-Xe-137

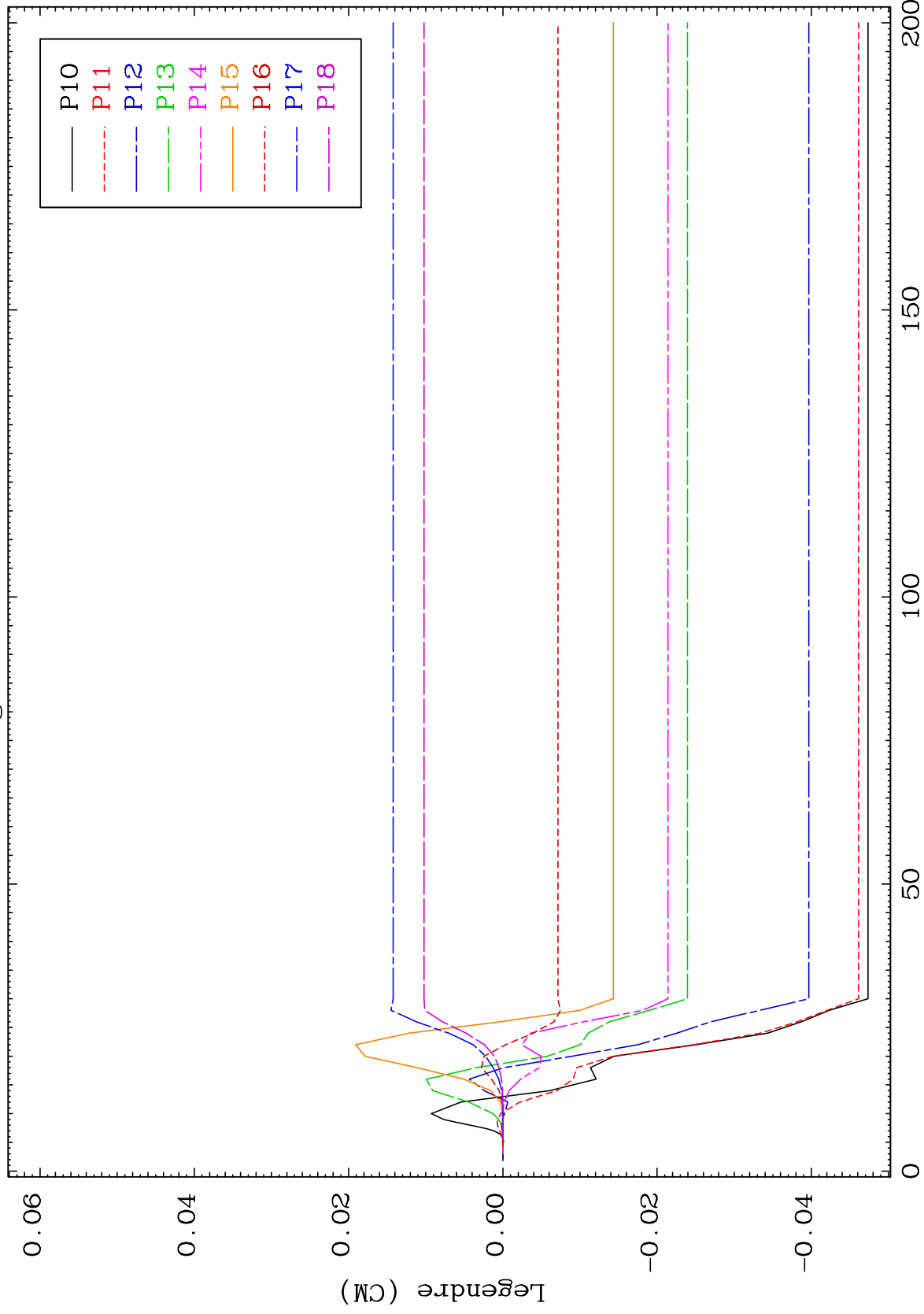
Incident Energy (MeV)

38

MAT 5464

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

54-Xe-137



39

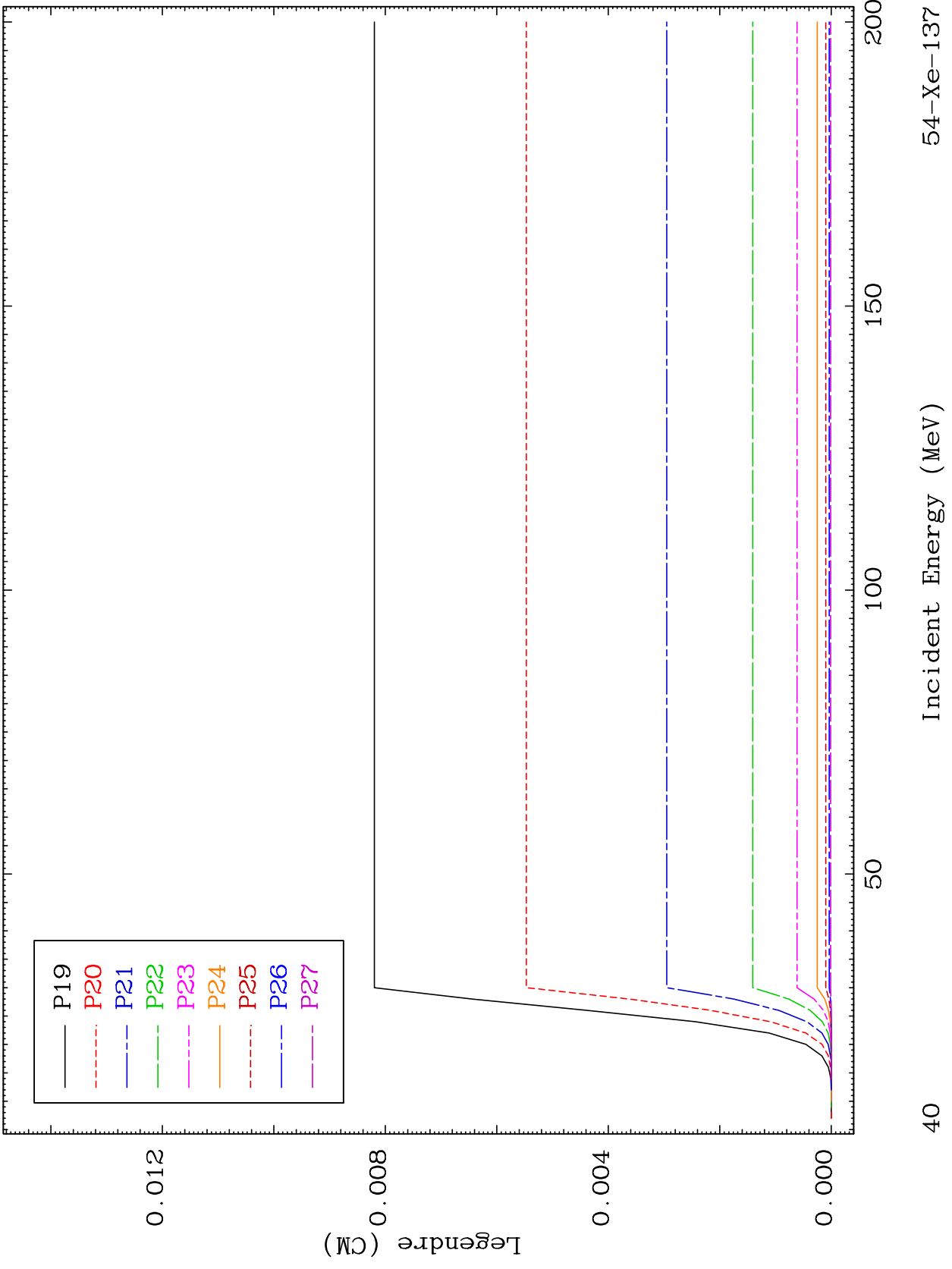
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



40

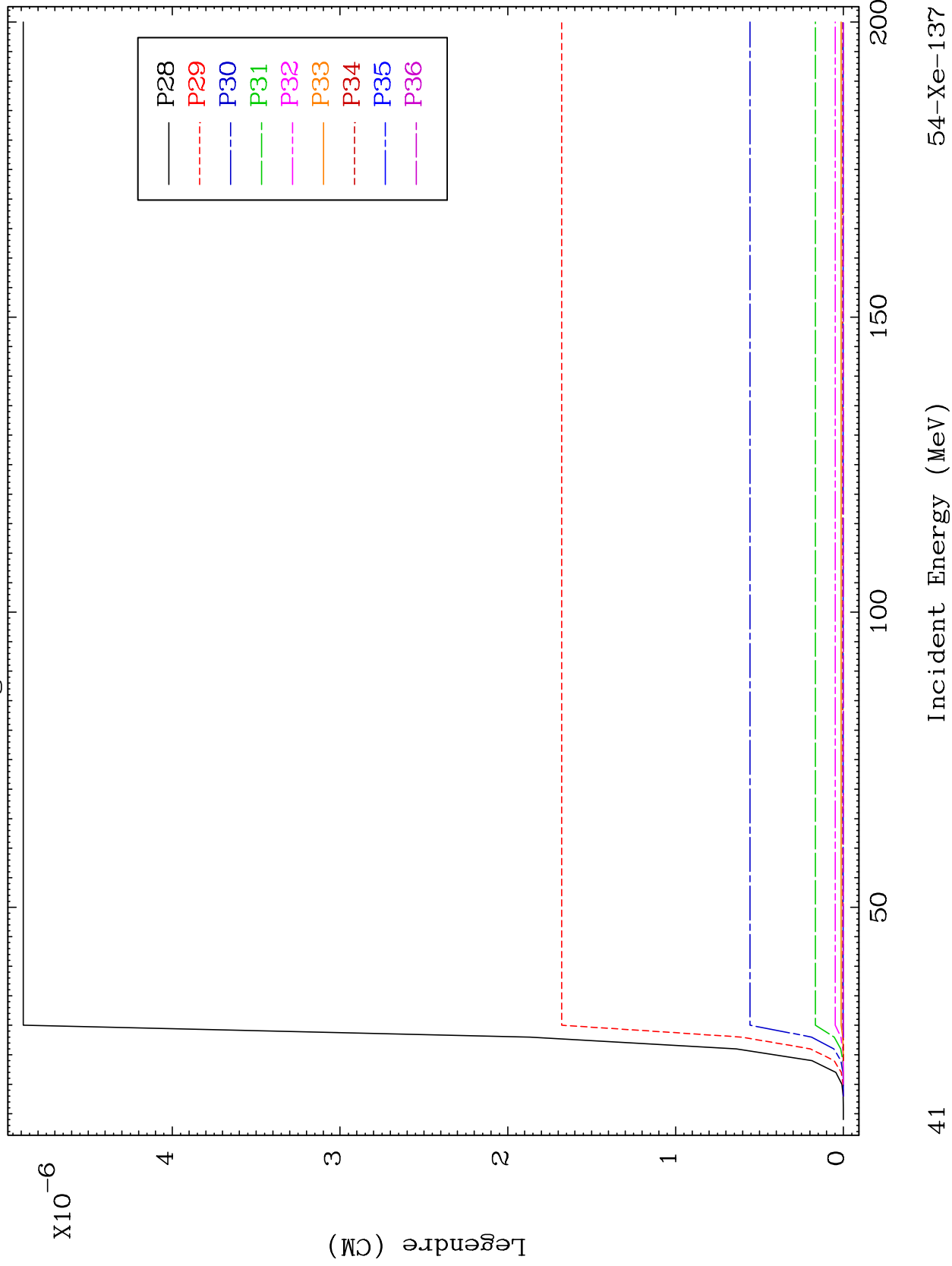
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137

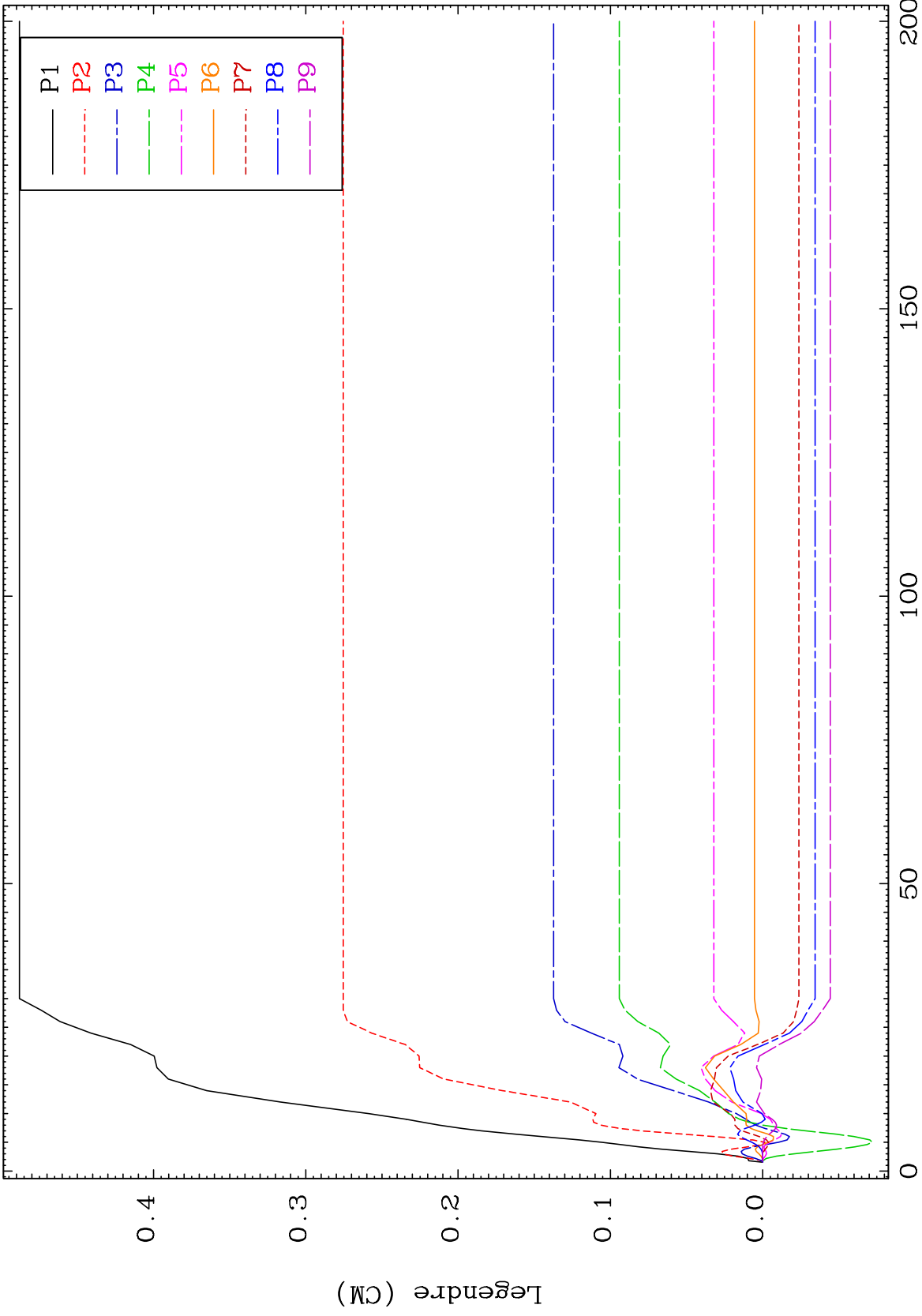


41

MAT 5464

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

54-Xe-137



42

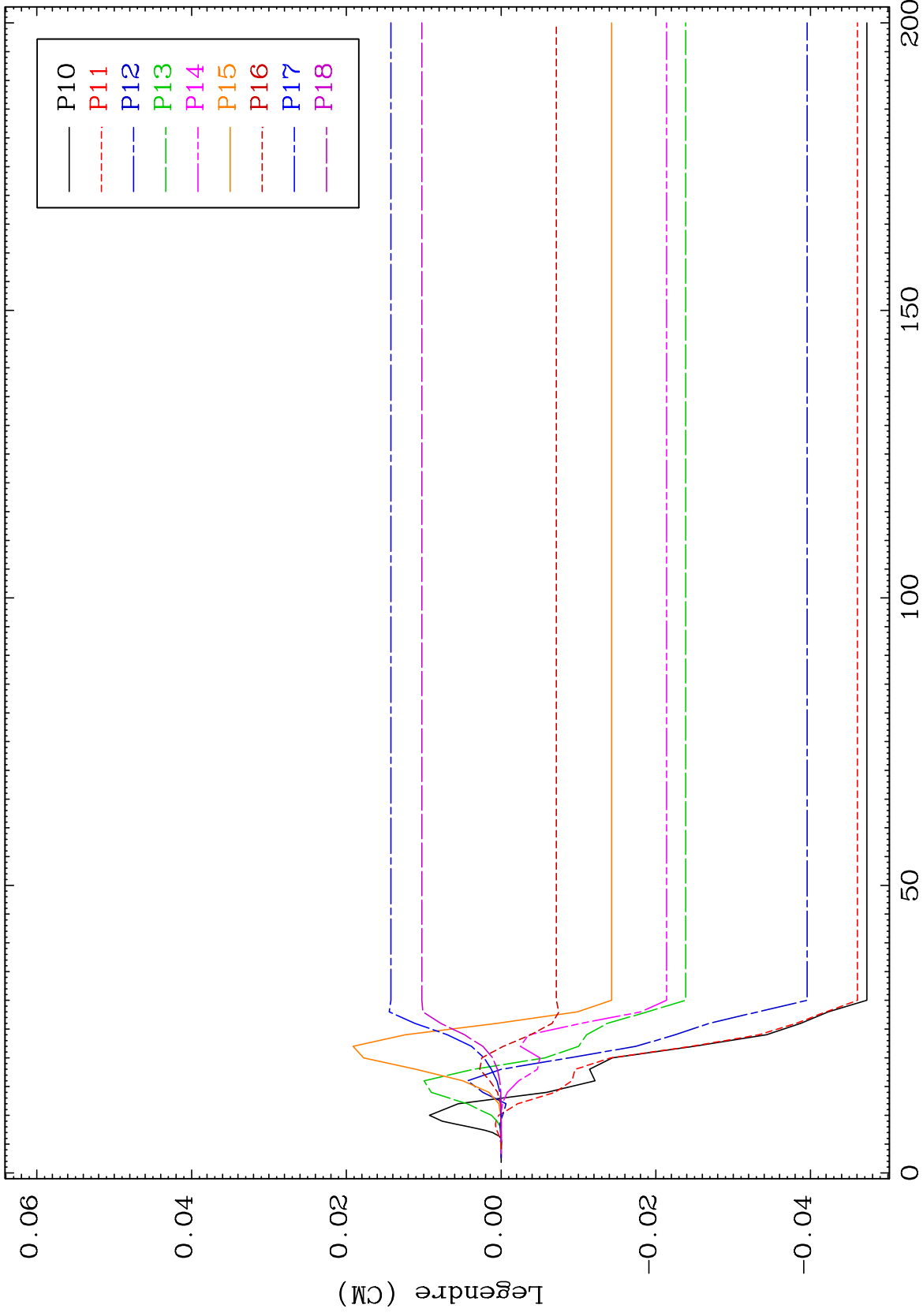
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



43

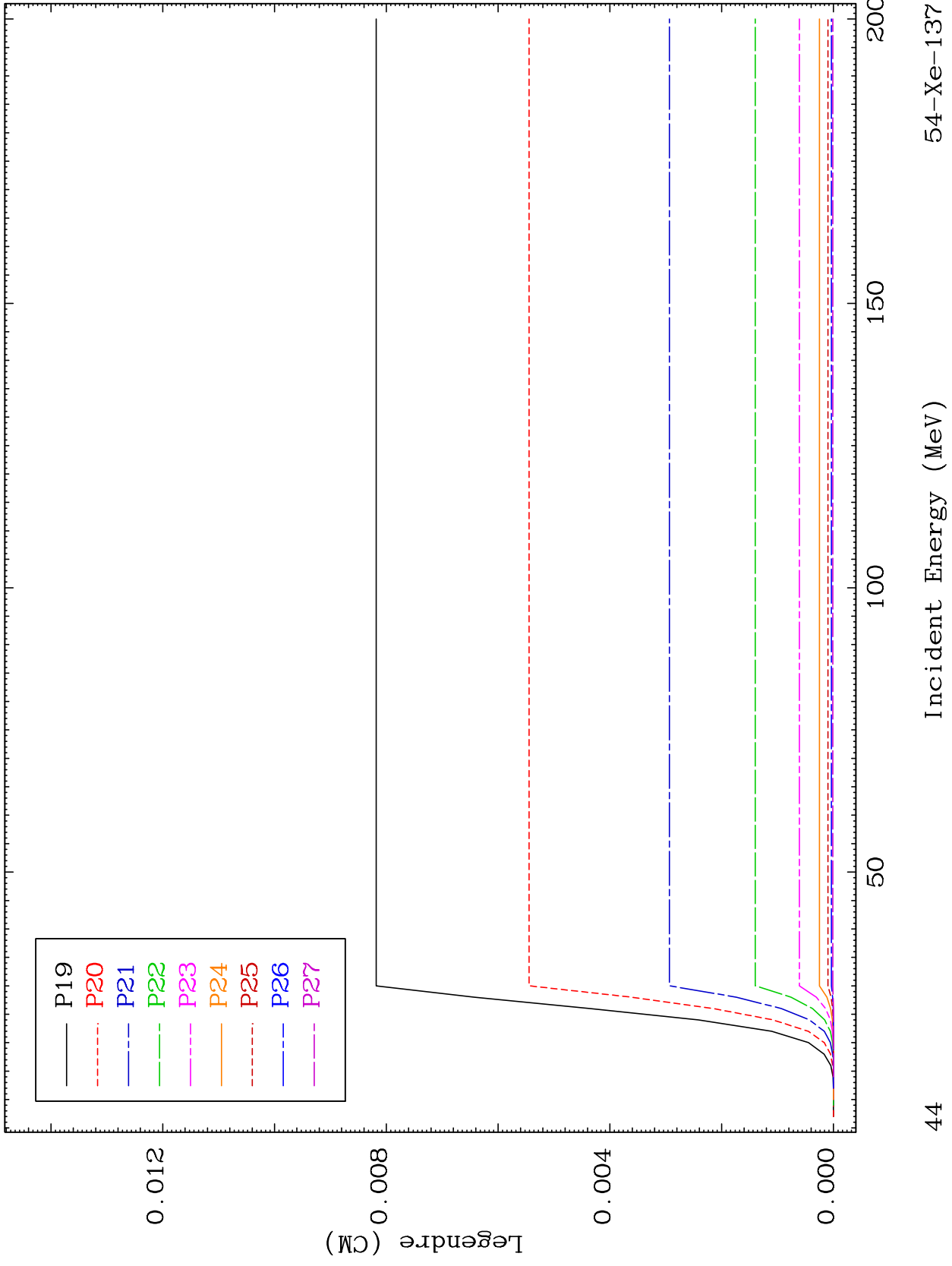
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



44

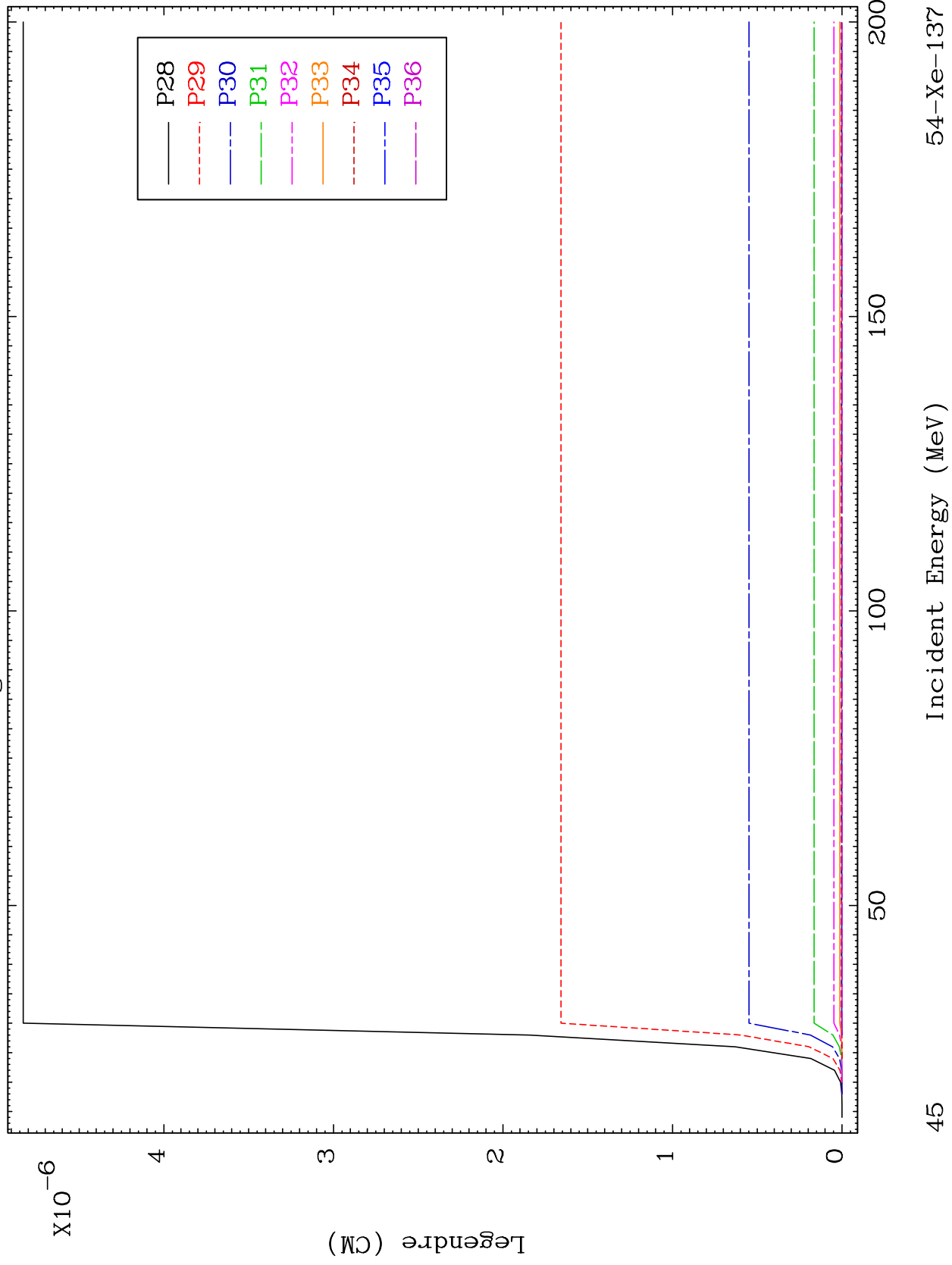
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

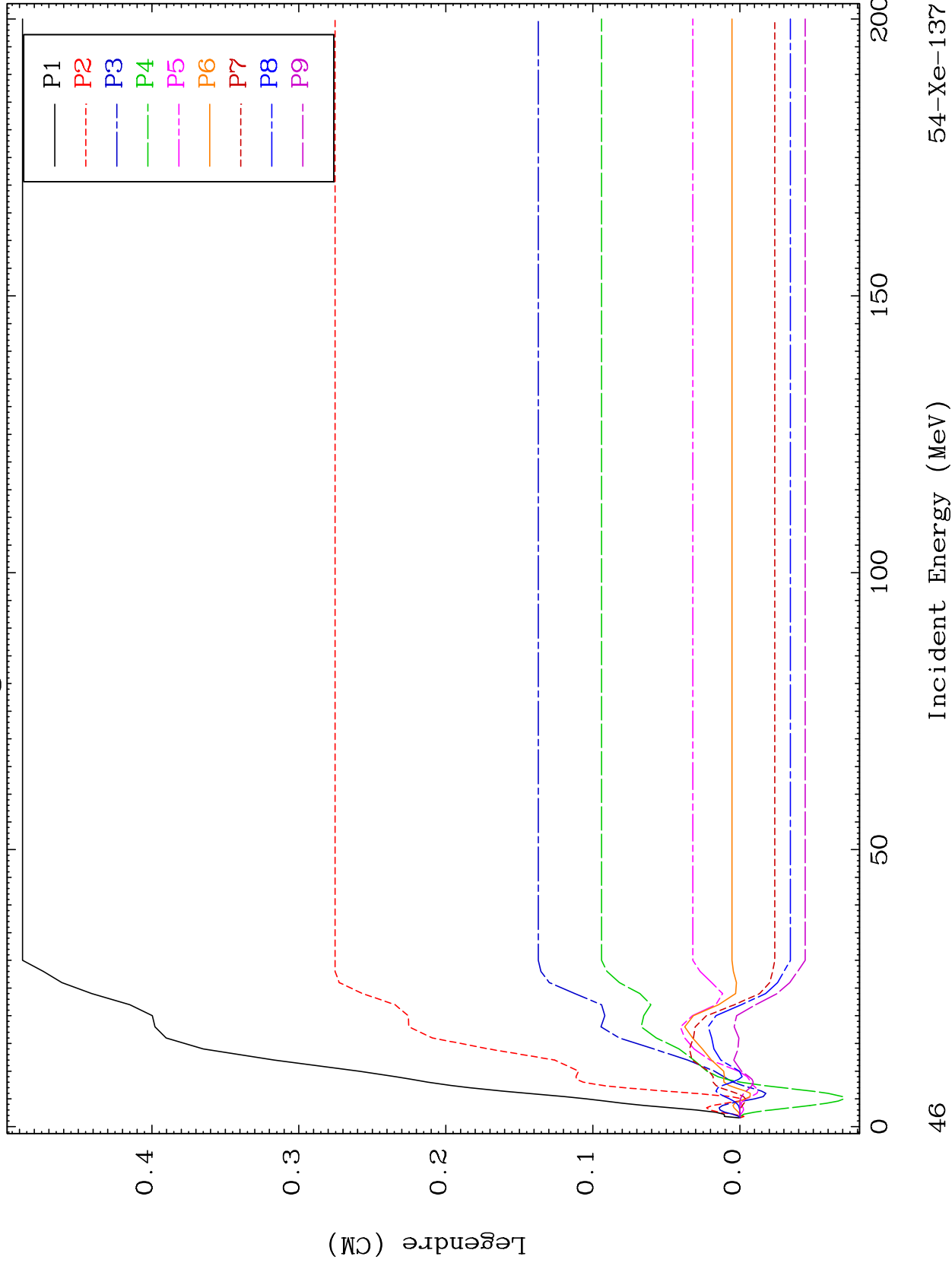
54-Xe-137



MAT 5464

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

54-Xe-137



54-Xe-137

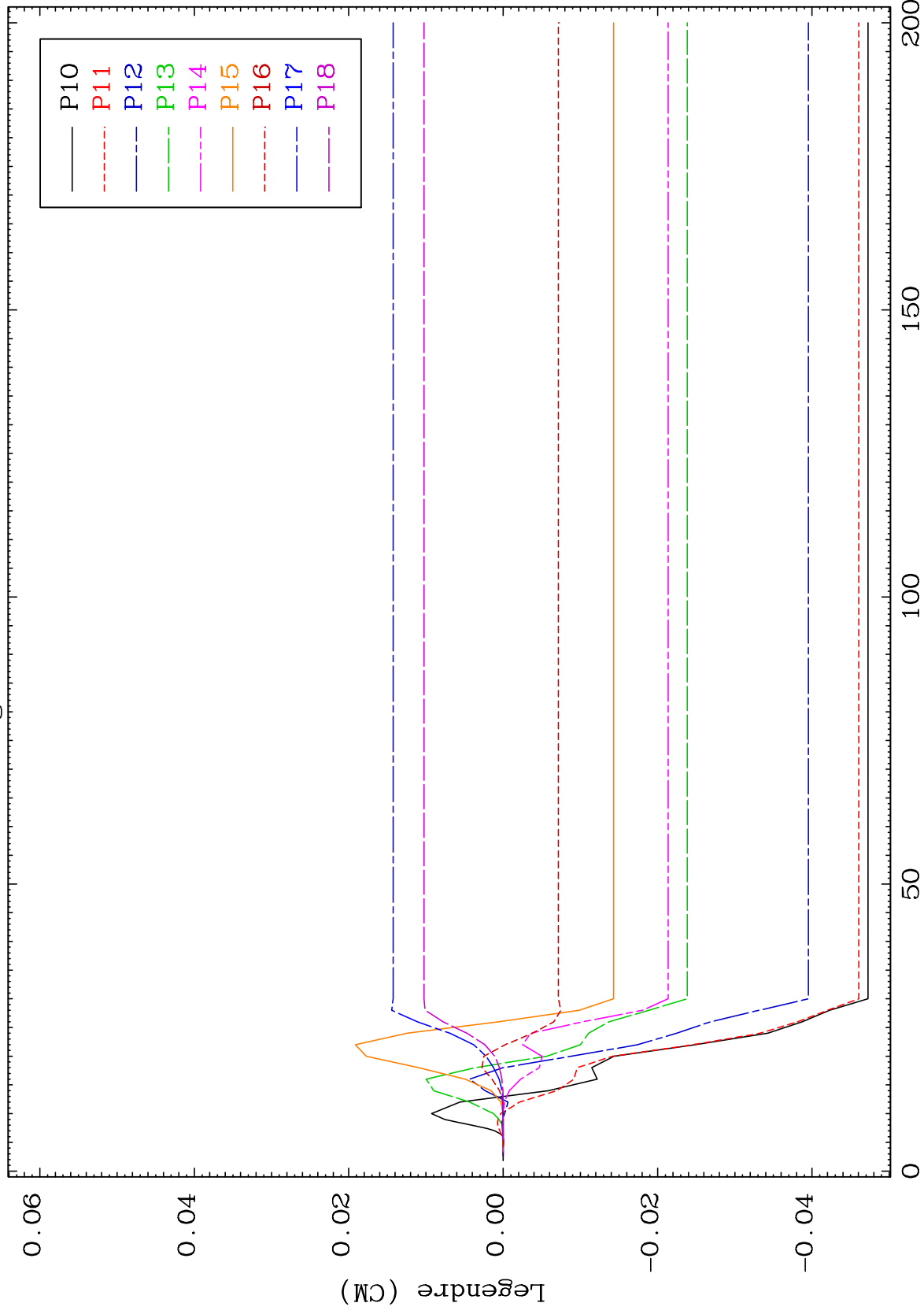
Incident Energy (MeV)

46

MAT 5464

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

54-Xe-137



47

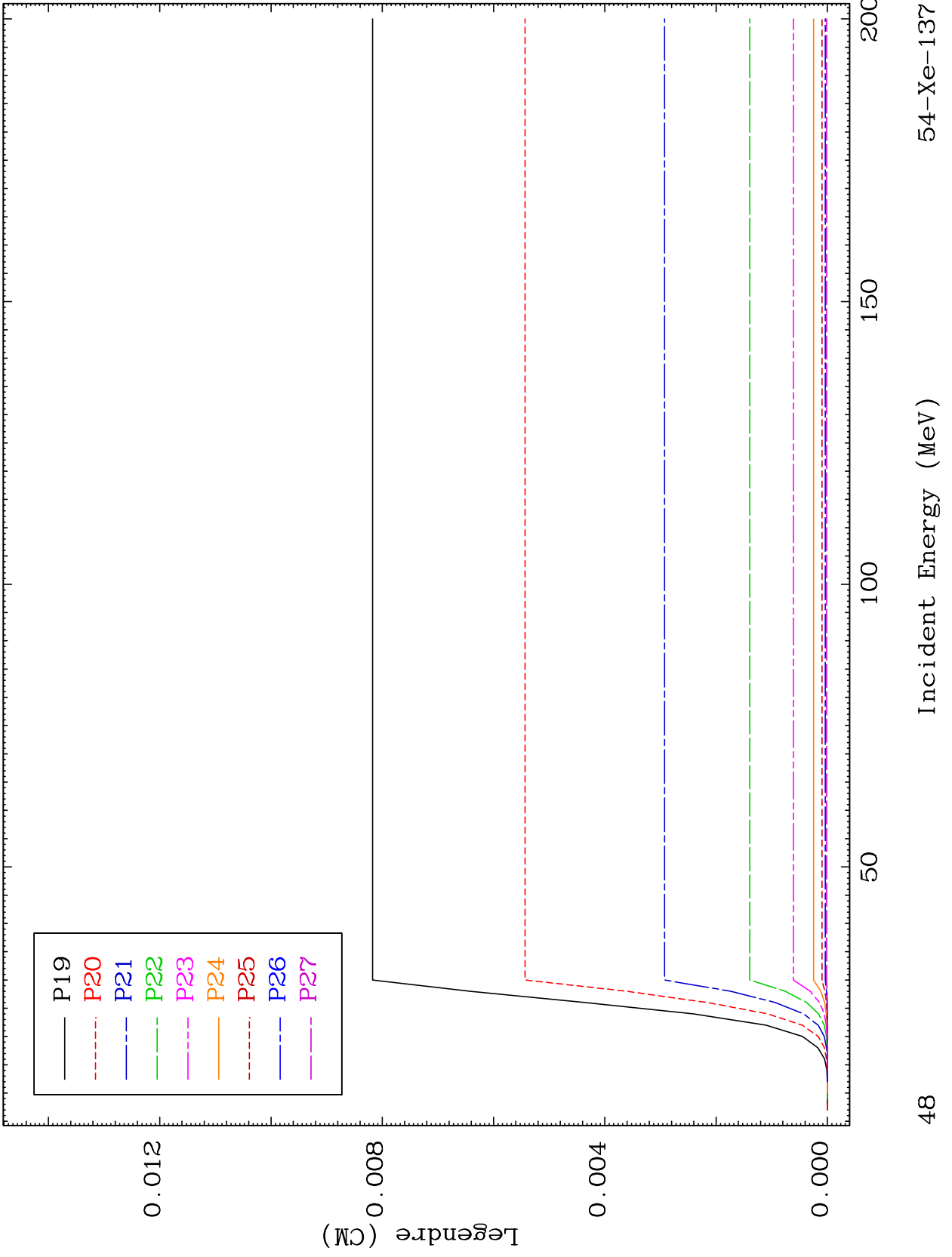
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



48

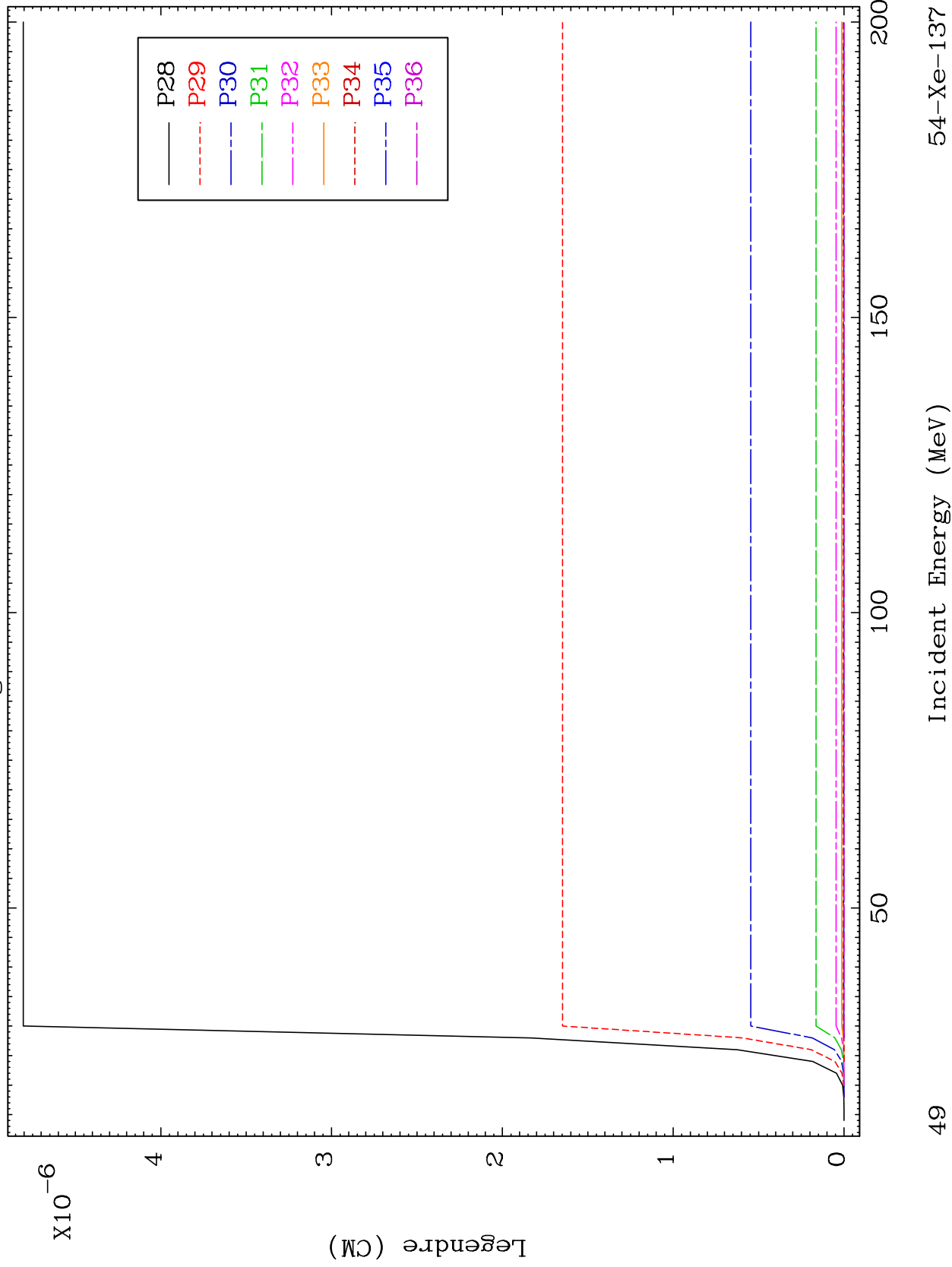
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



49

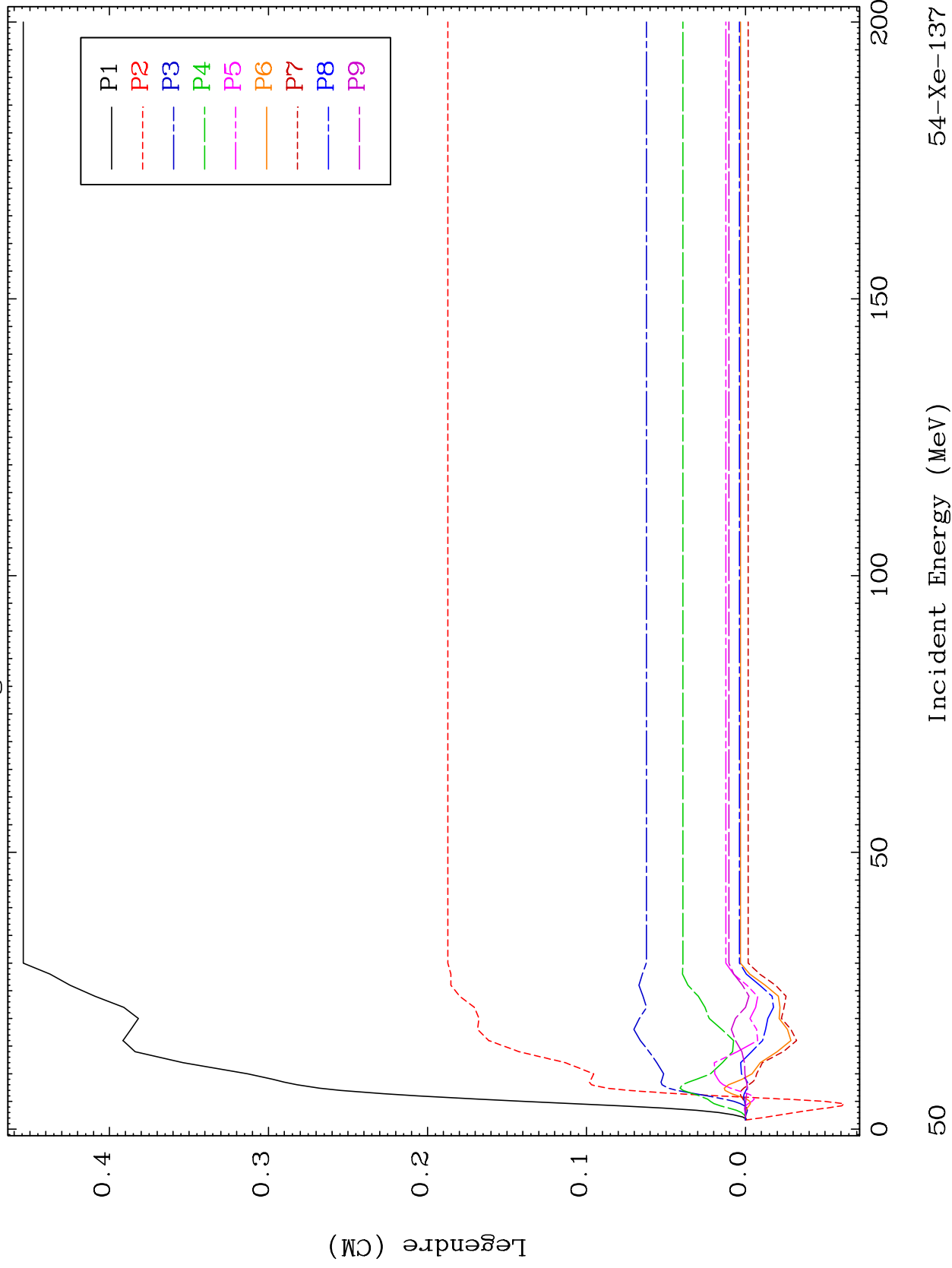
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



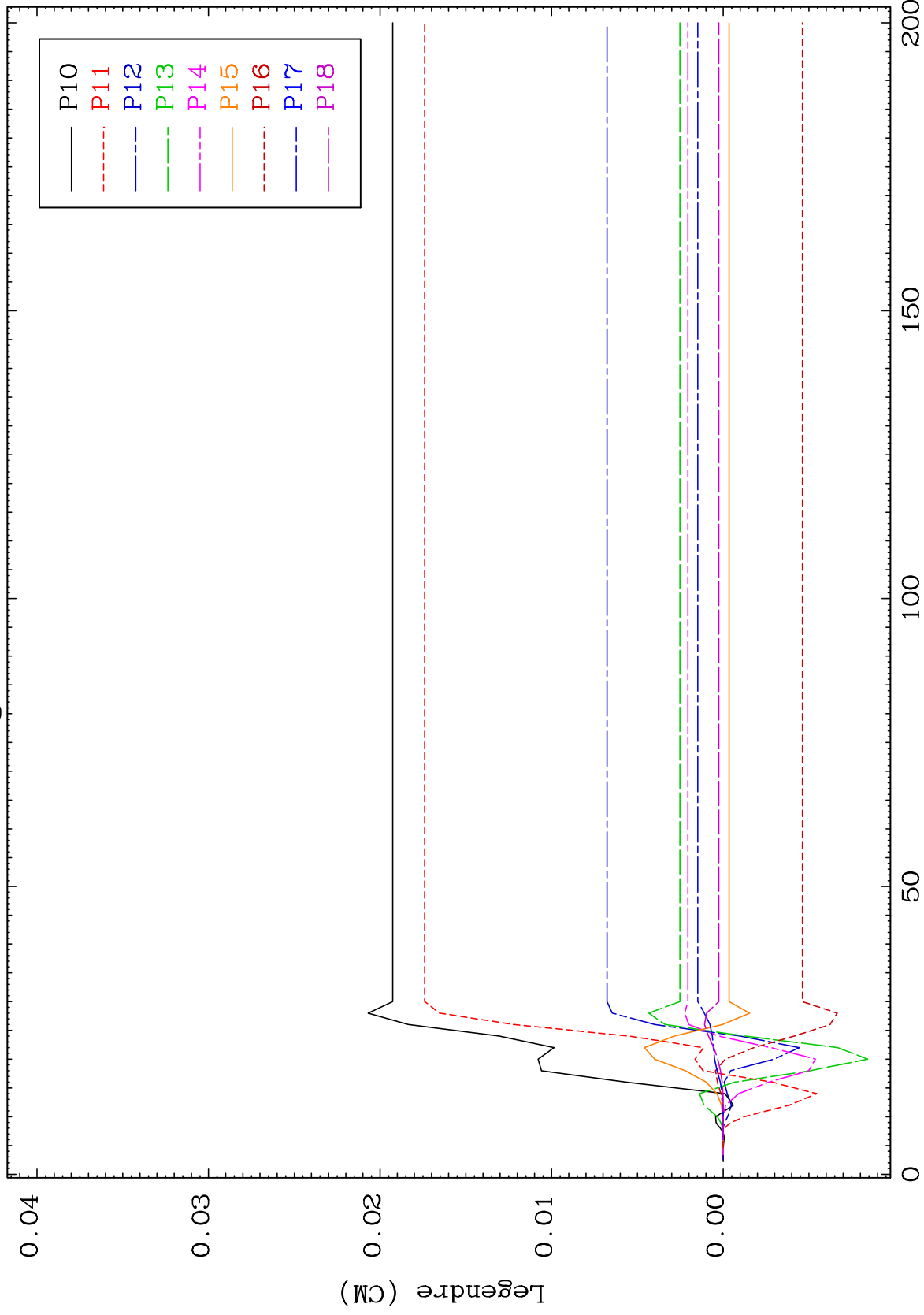
54-Xe-137

Incident Energy (MeV)

MAT 5464

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

54-Xe-137



51

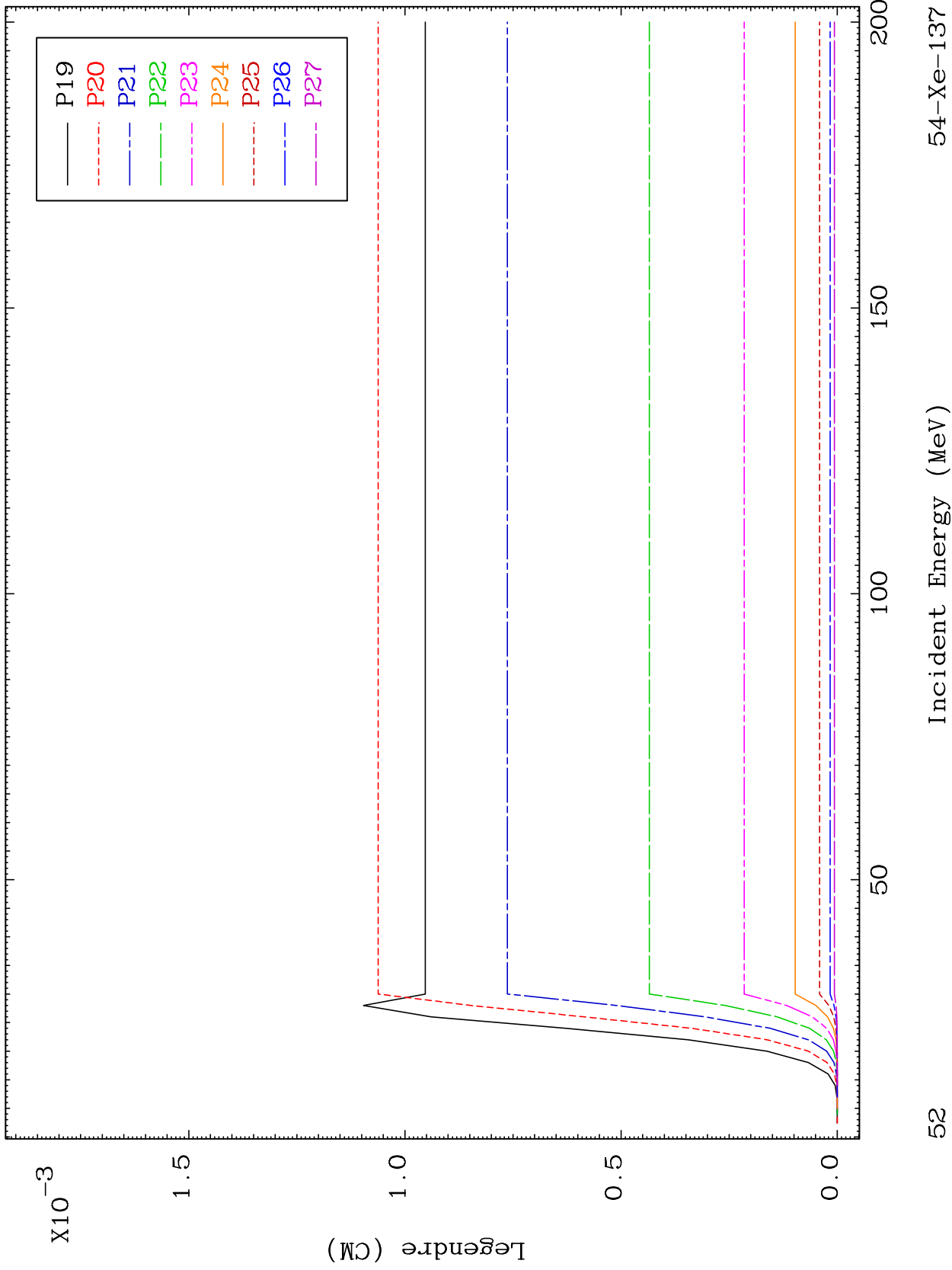
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



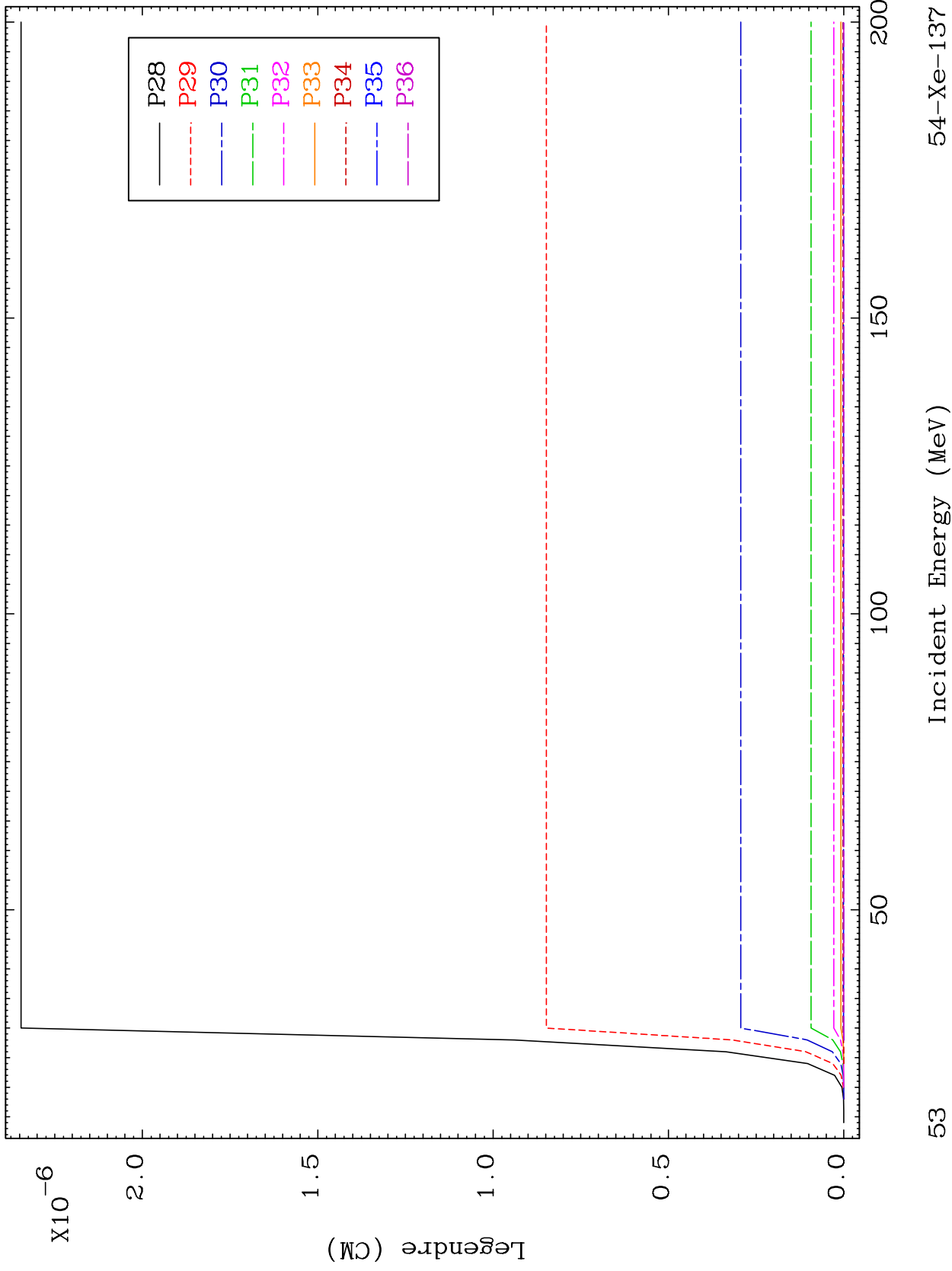
52

54-Xe-137

MAT 5464

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

54-Xe-137



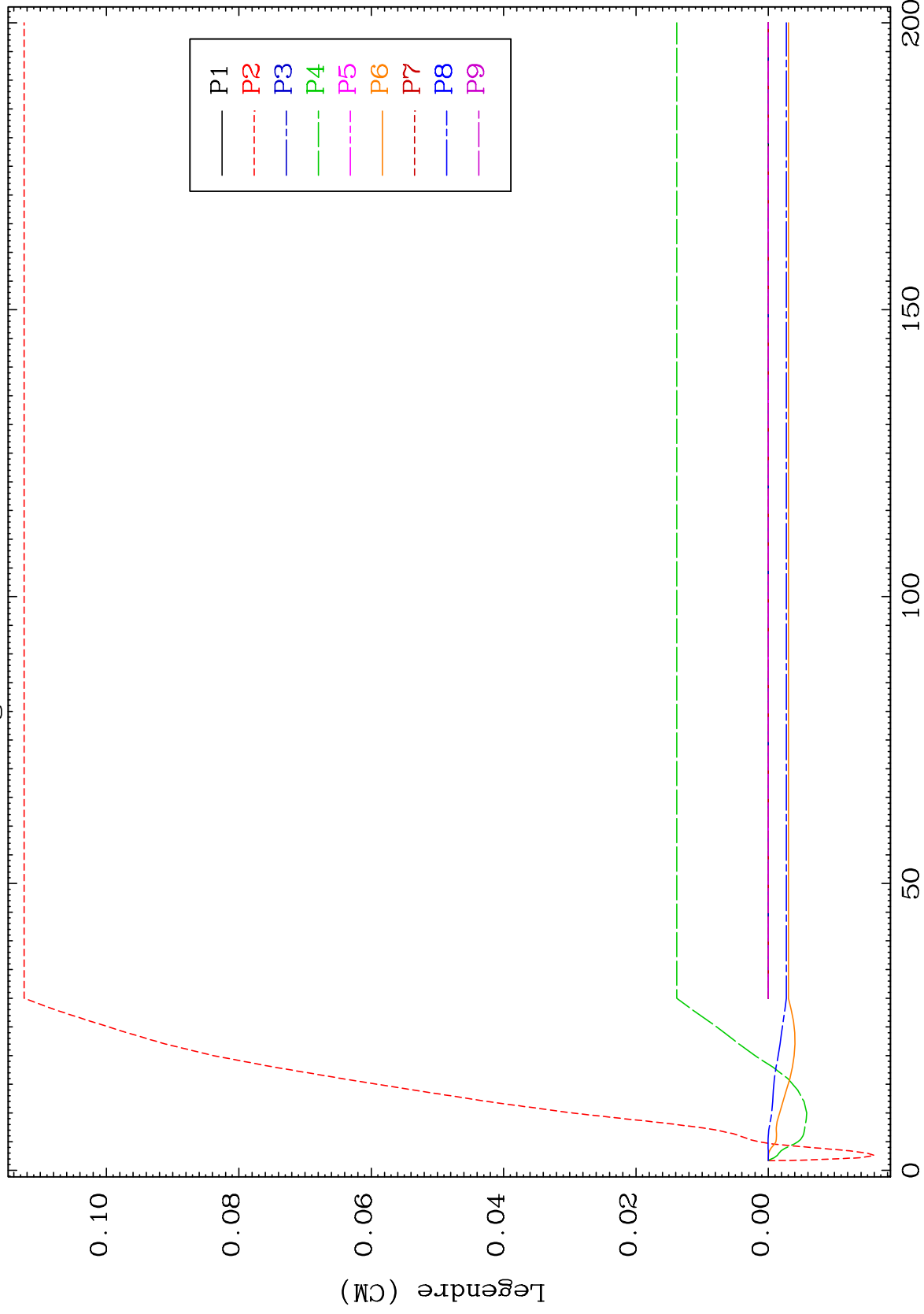
53

54-Xe-137

MAT 5464

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

54-Xe-137



54

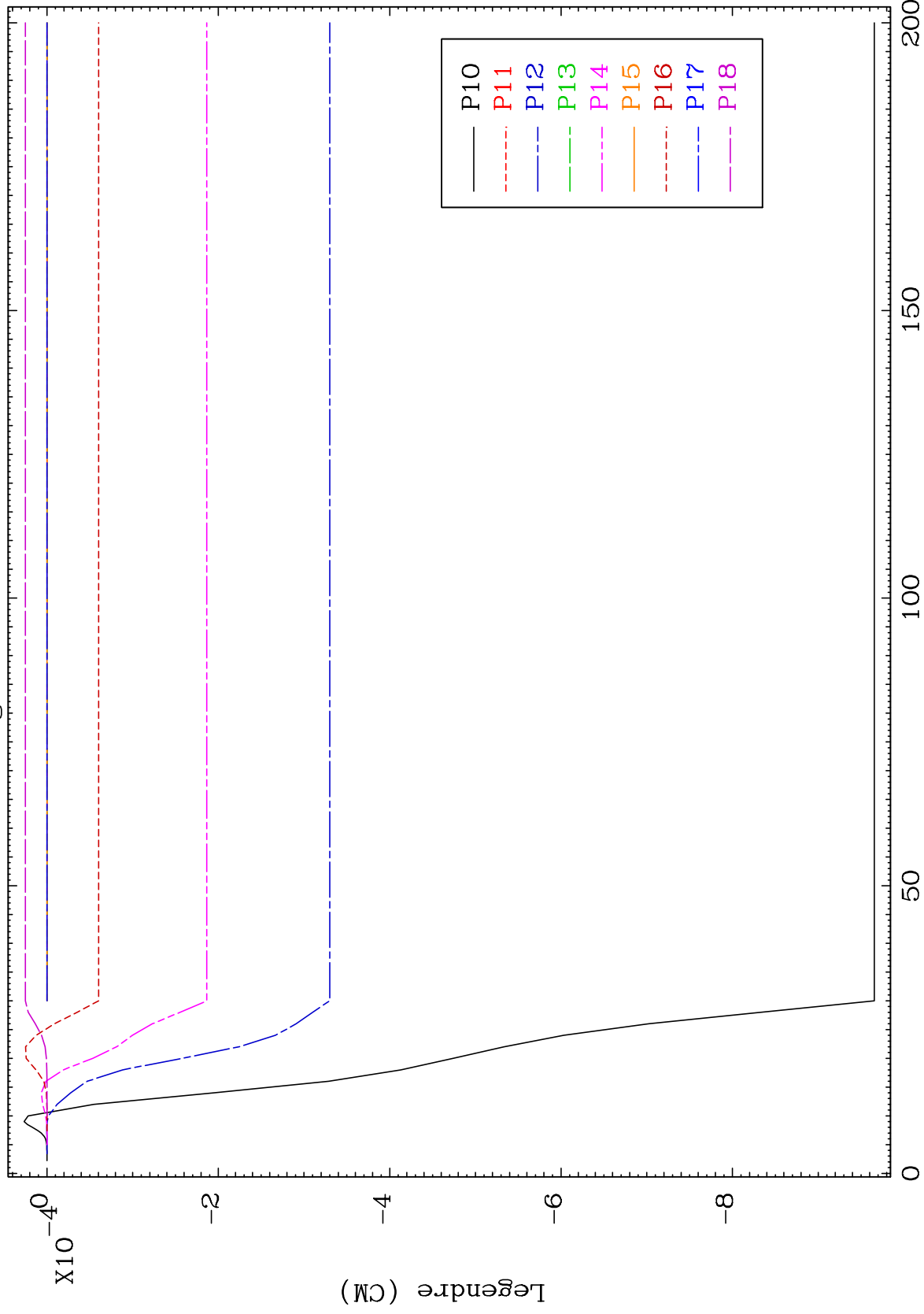
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



55

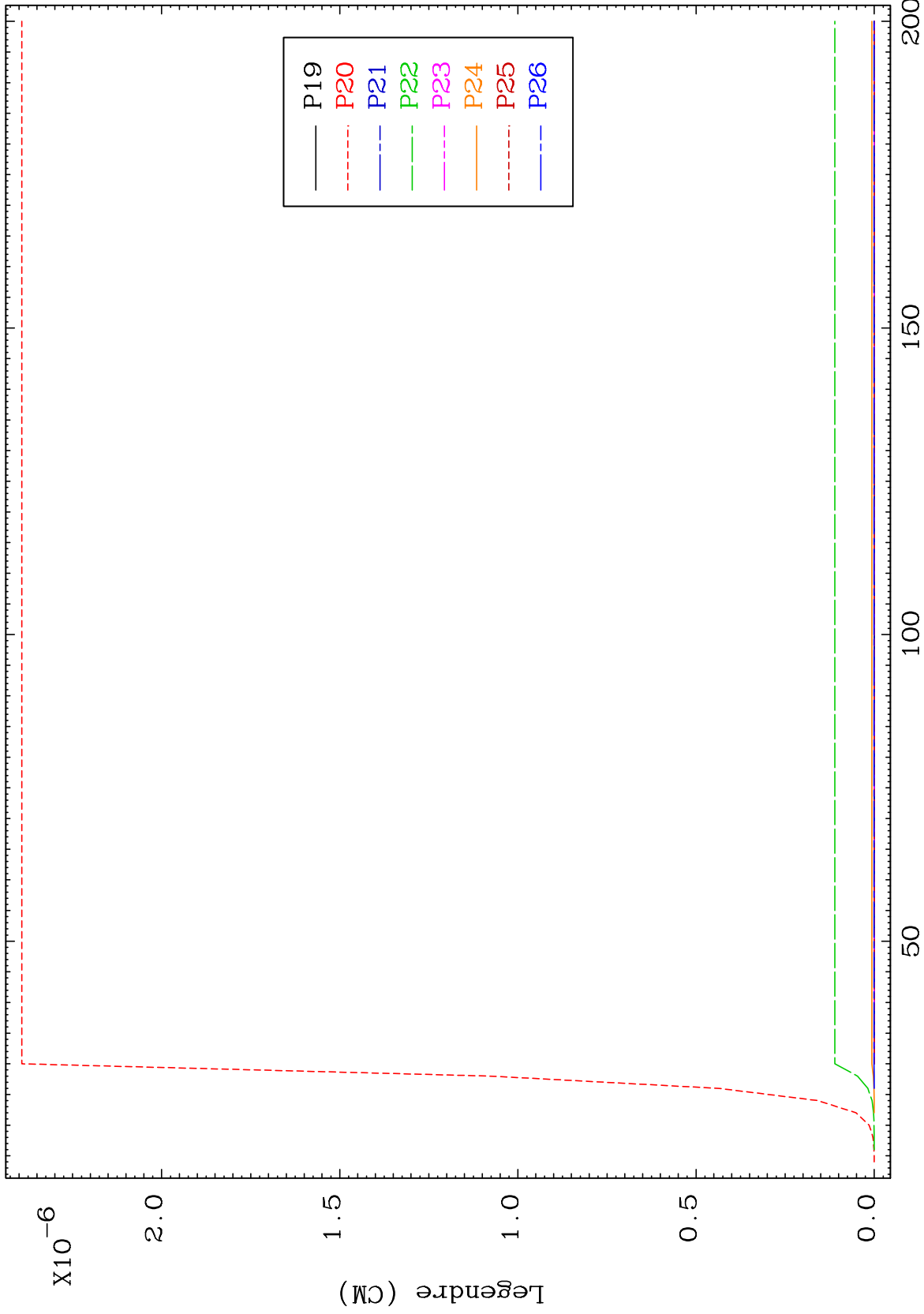
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



56

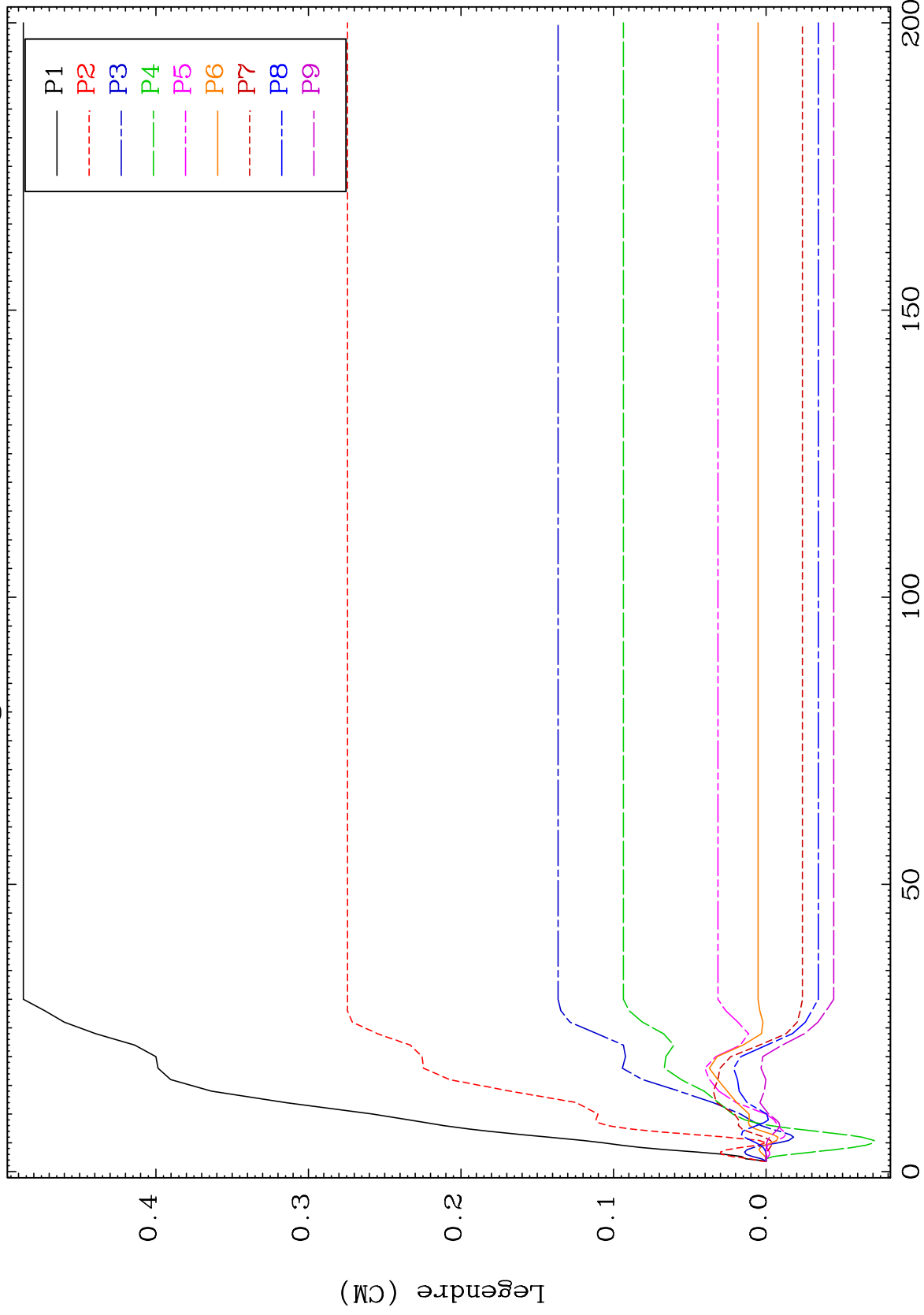
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



54-Xe-137

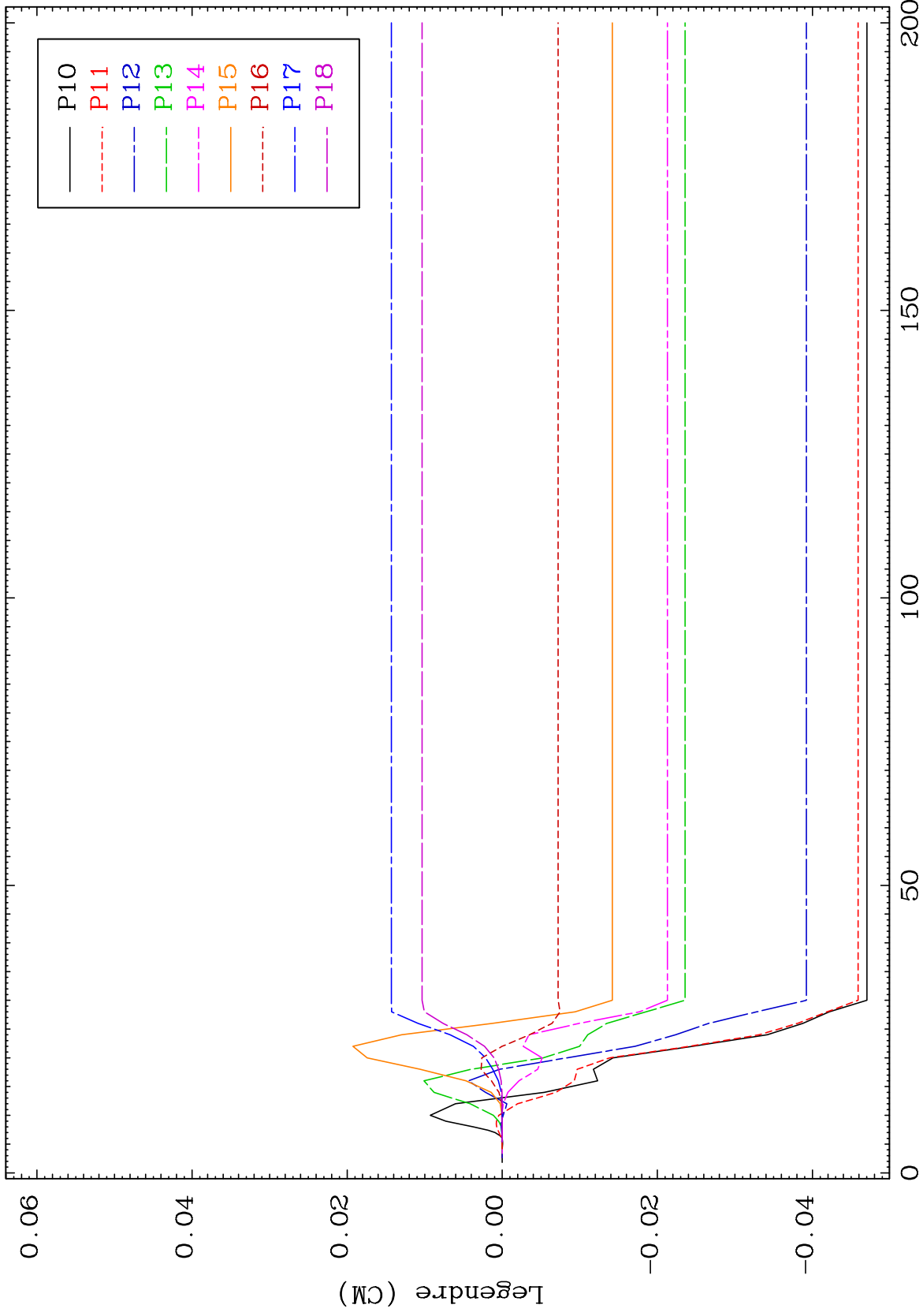
Incident Energy (MeV)

57

MAT 5464

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

54-Xe-137



58

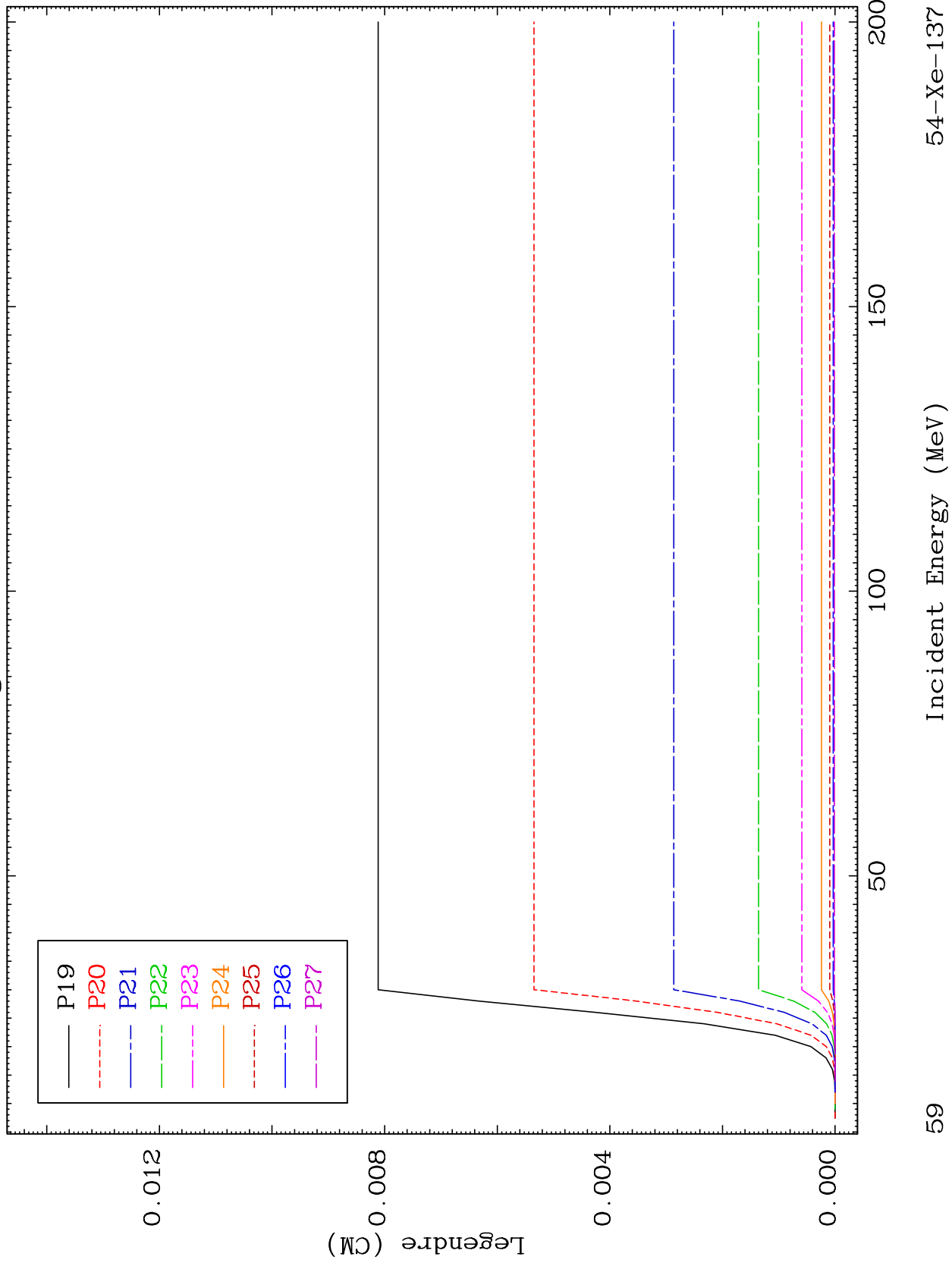
54-Xe-137

54-Xe-137

MAT 5464

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

54-Xe-137



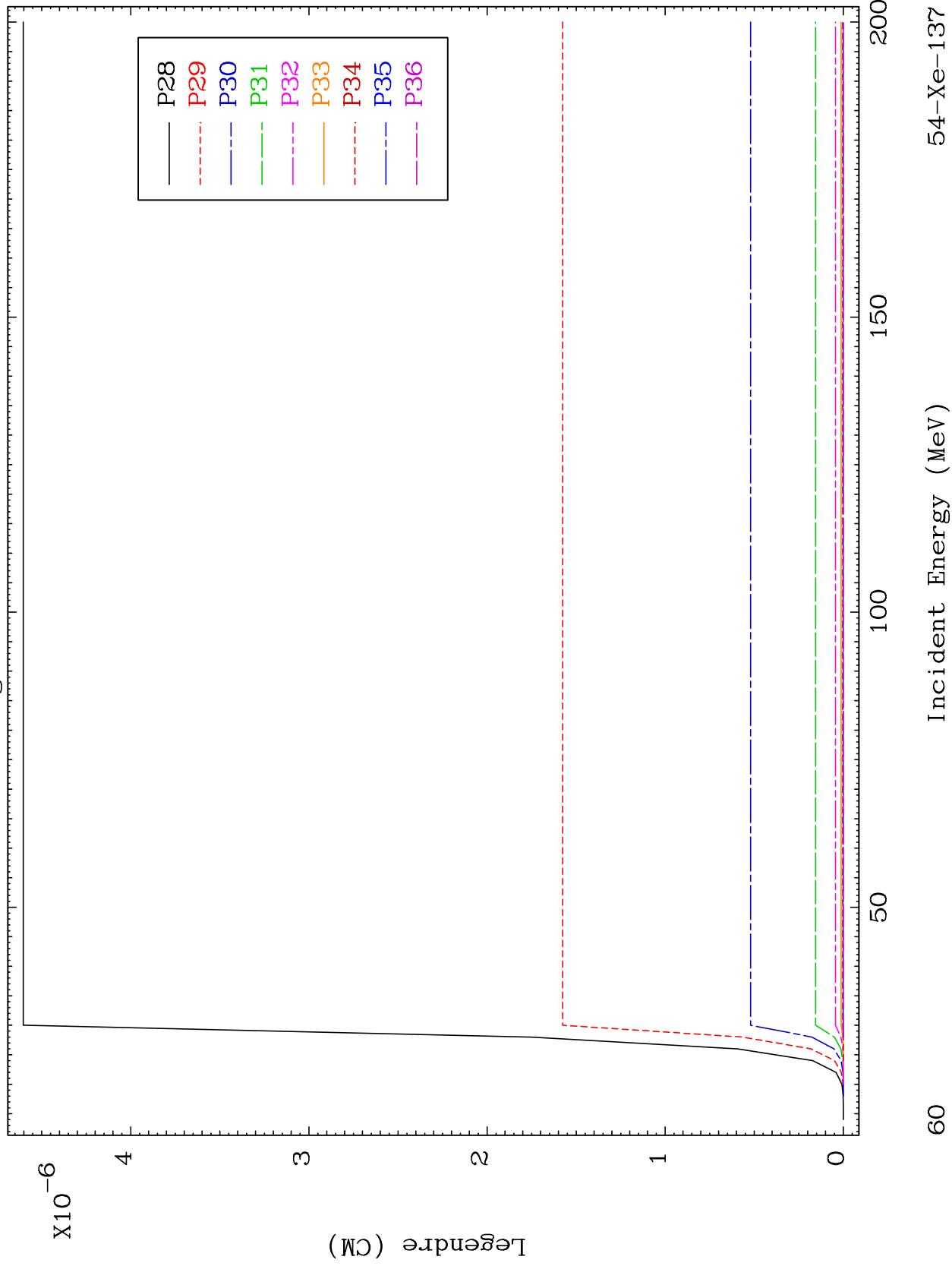
59

54-Xe-137

MAT 5464

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

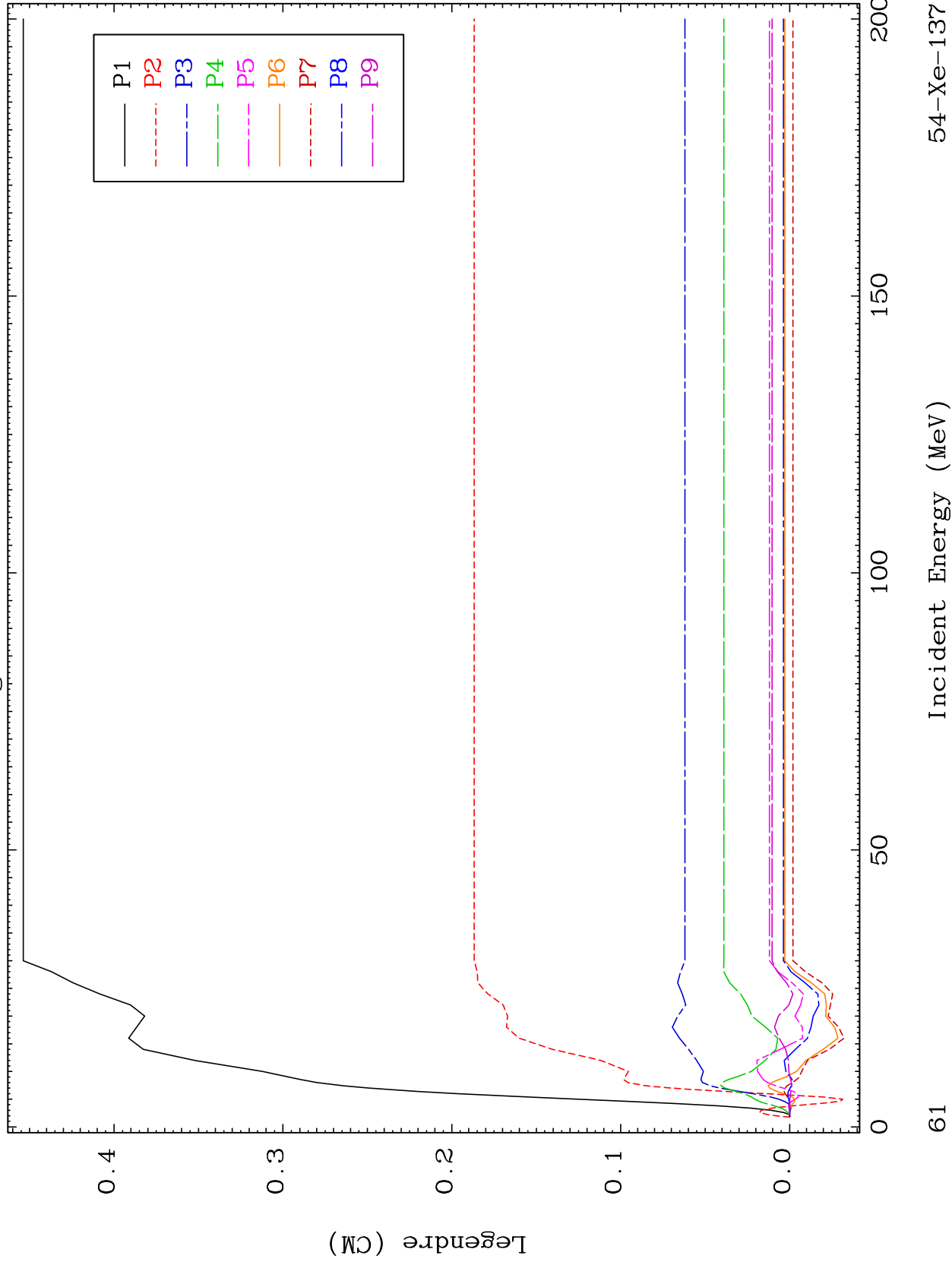
54-Xe-137



MAT 5464

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

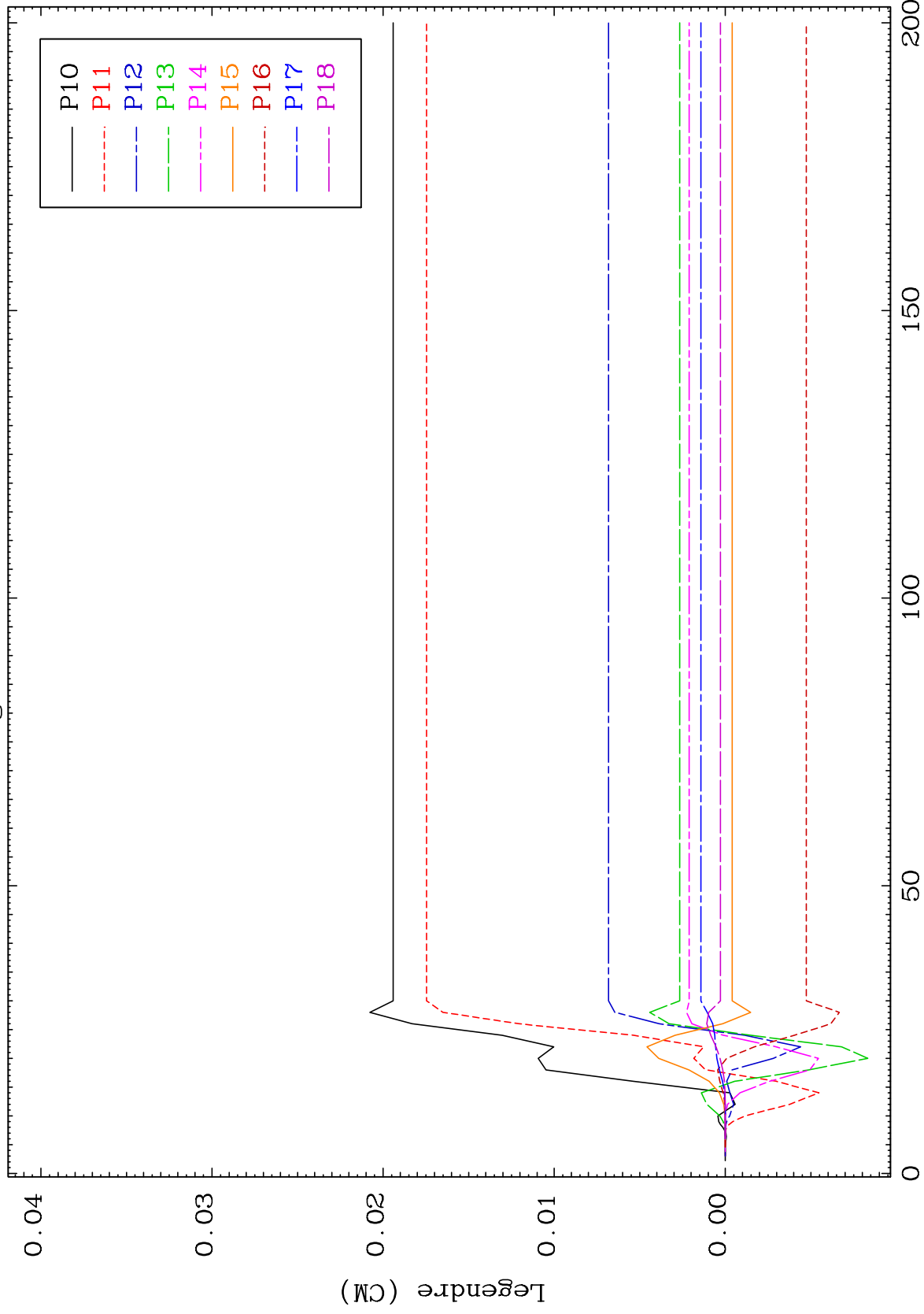
54-Xe-137



MAT 5464

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

54-Xe-137



62

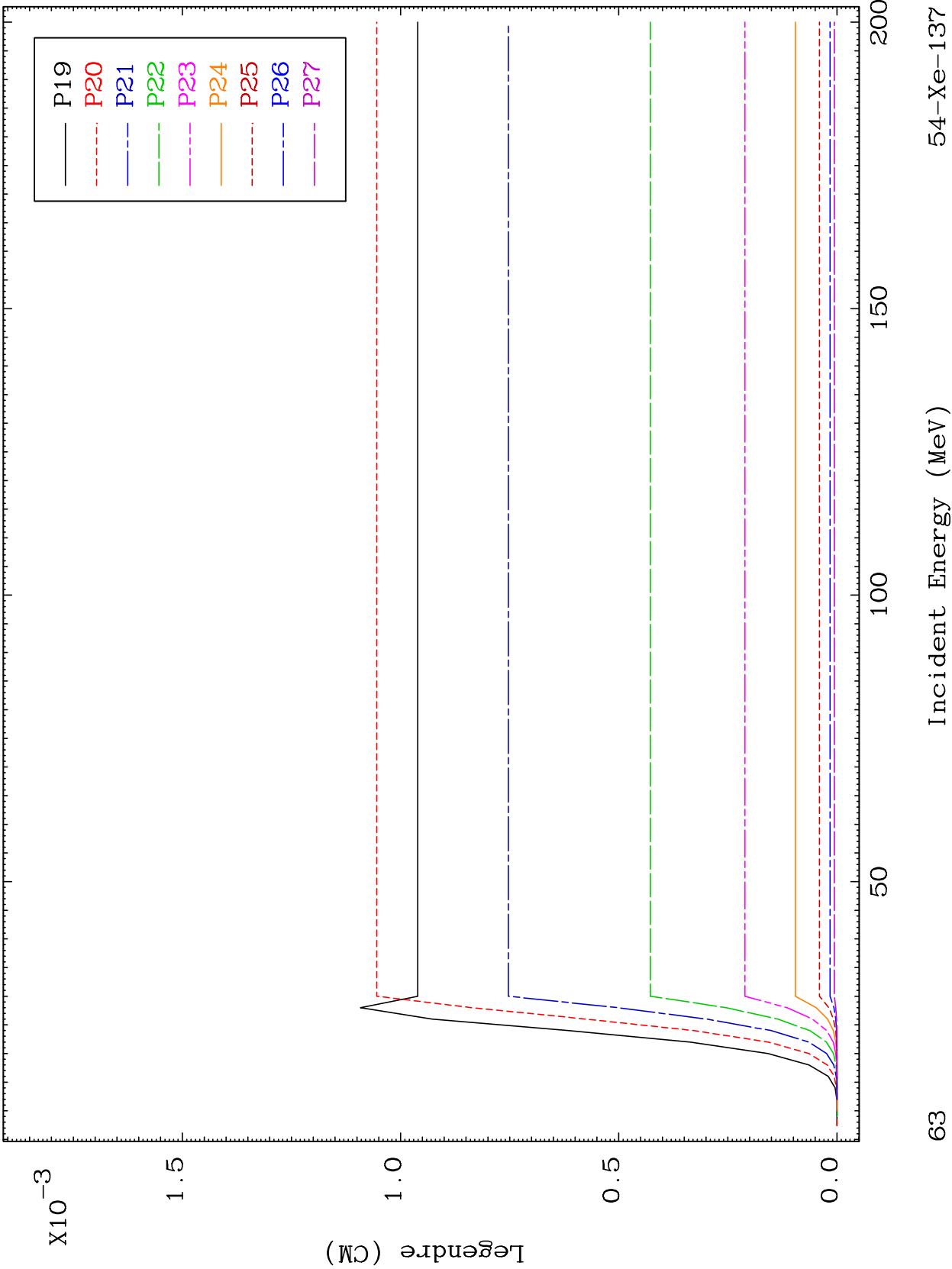
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



63

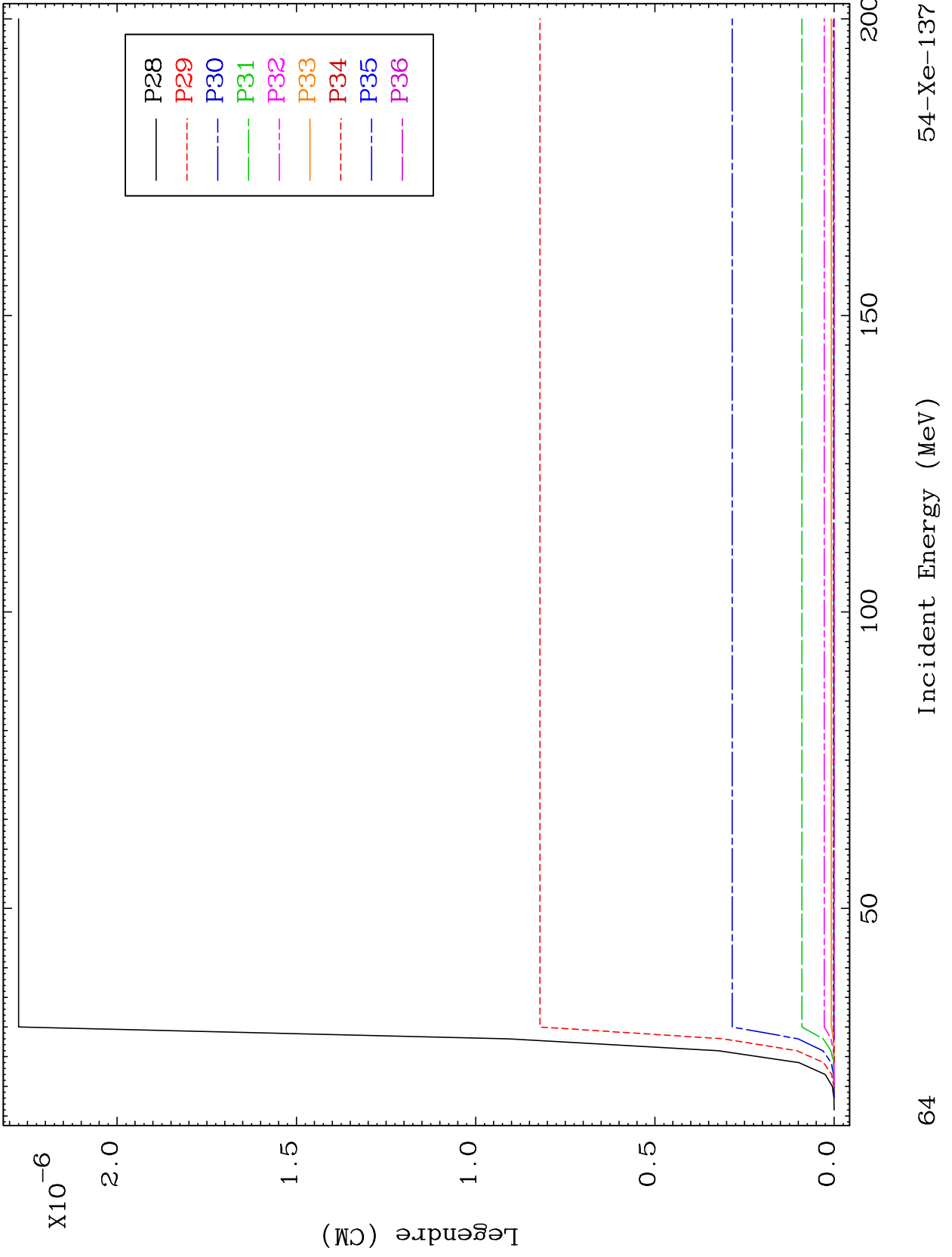
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



64

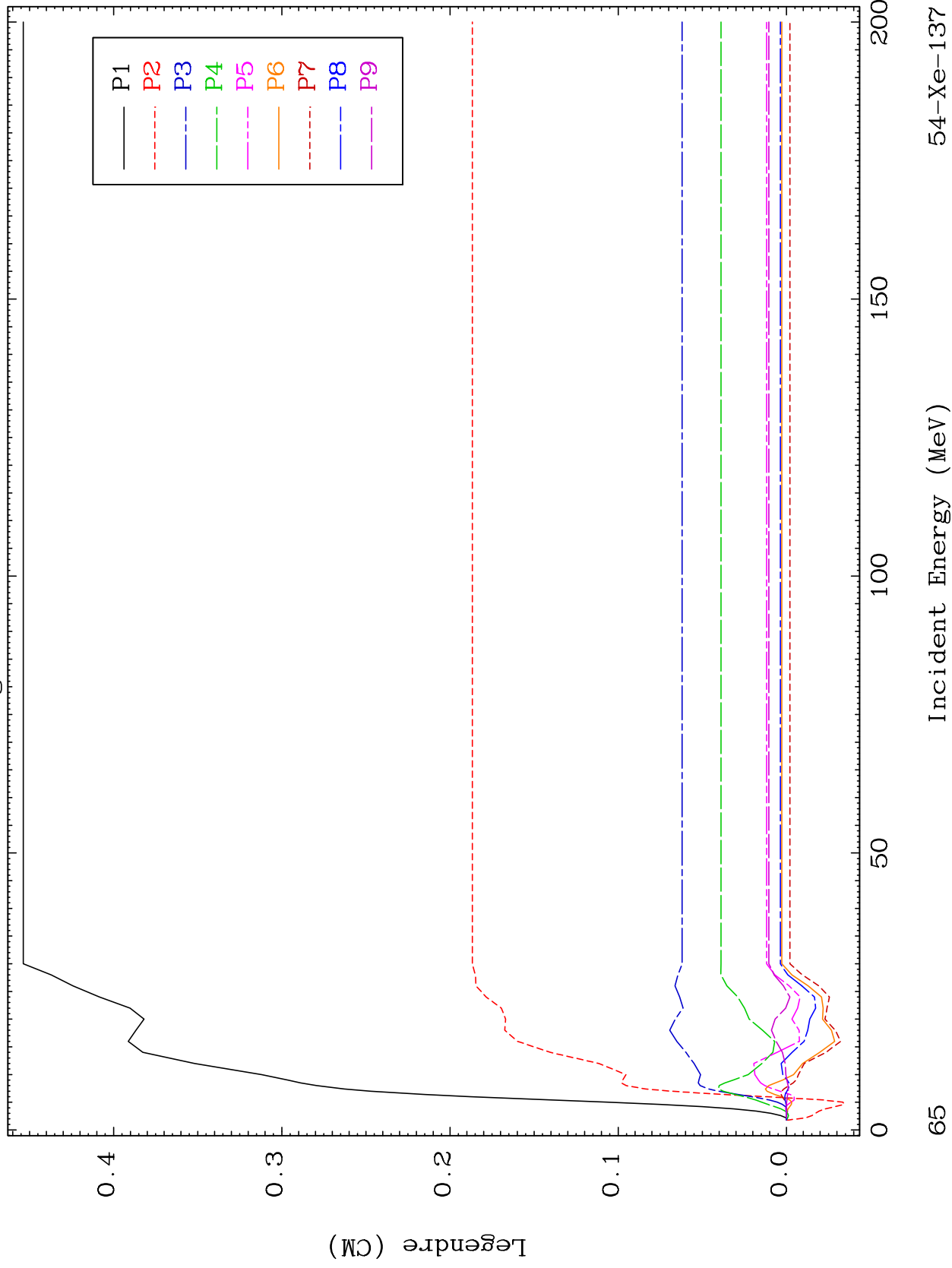
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

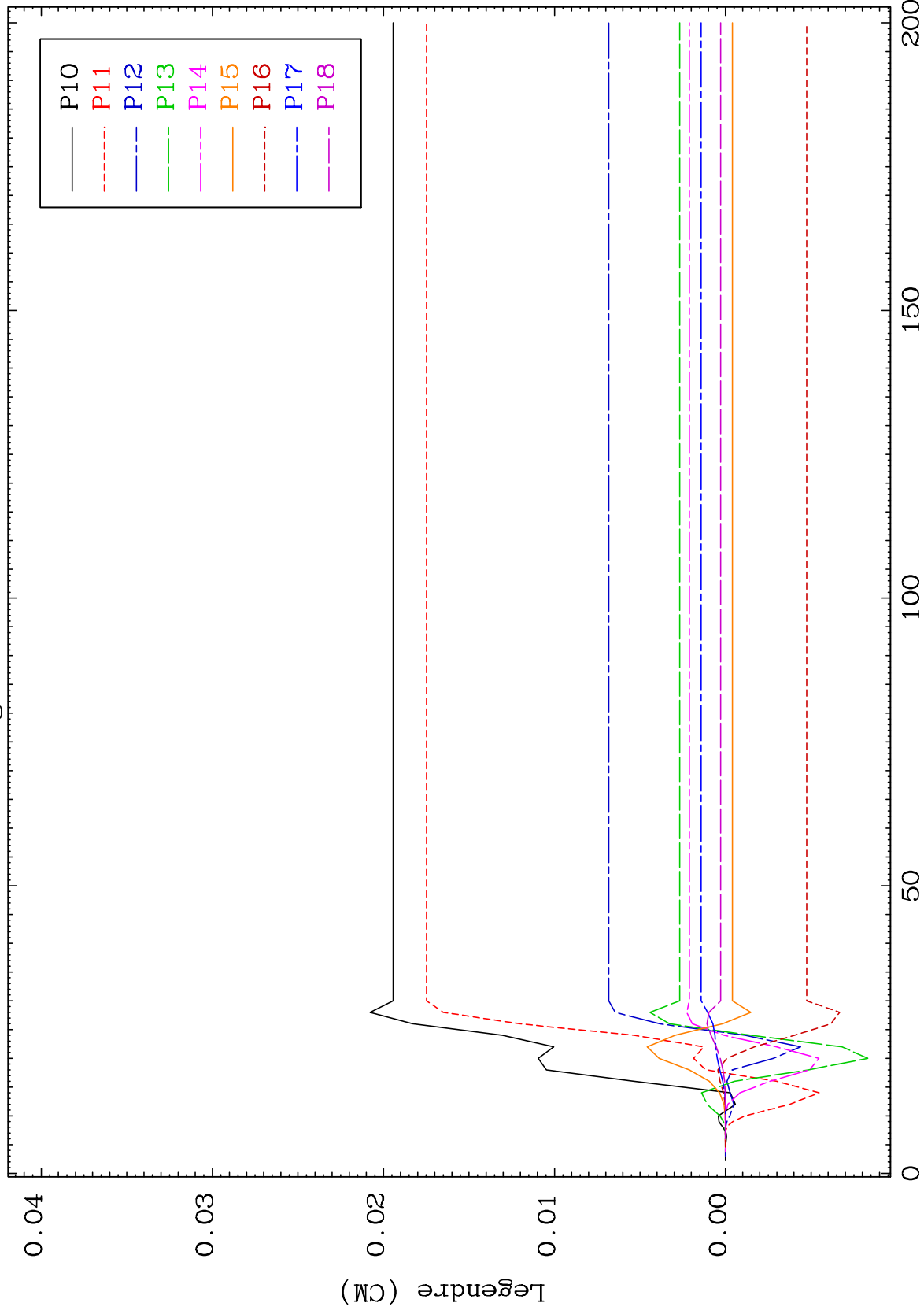
54-Xe-137



MAT 5464

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

54-Xe-137



66

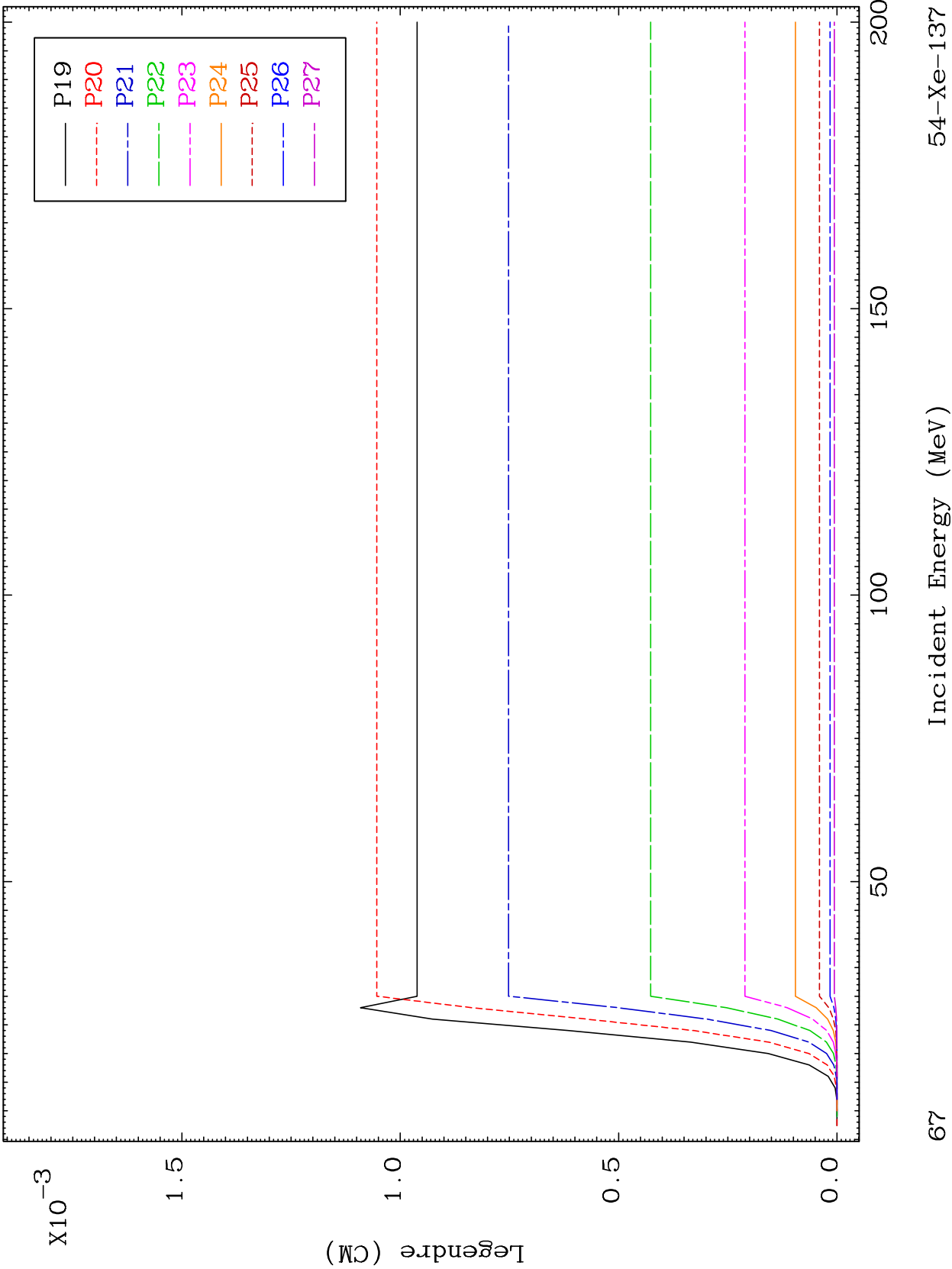
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



67

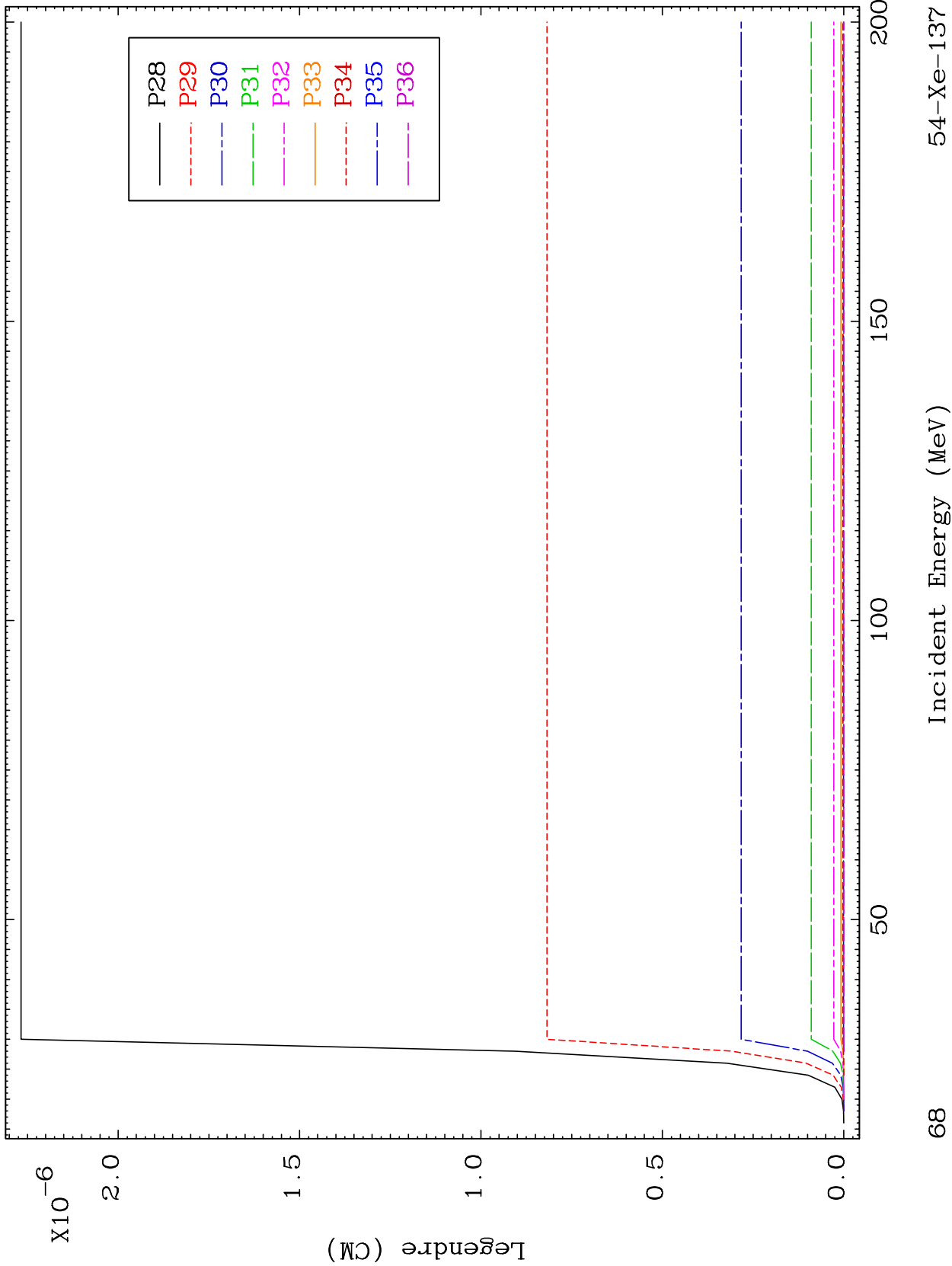
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

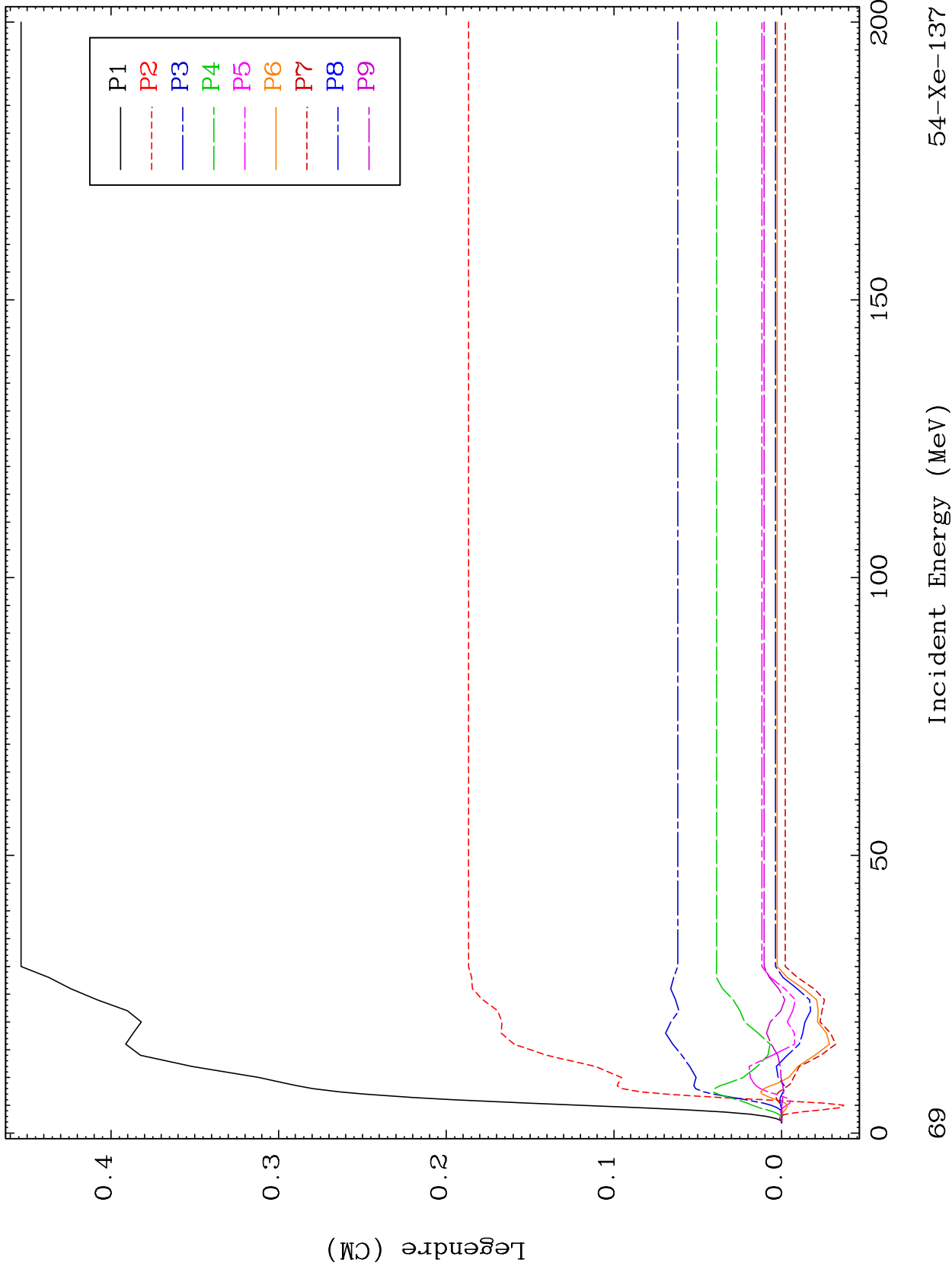
54-Xe-137



MAT 5464

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

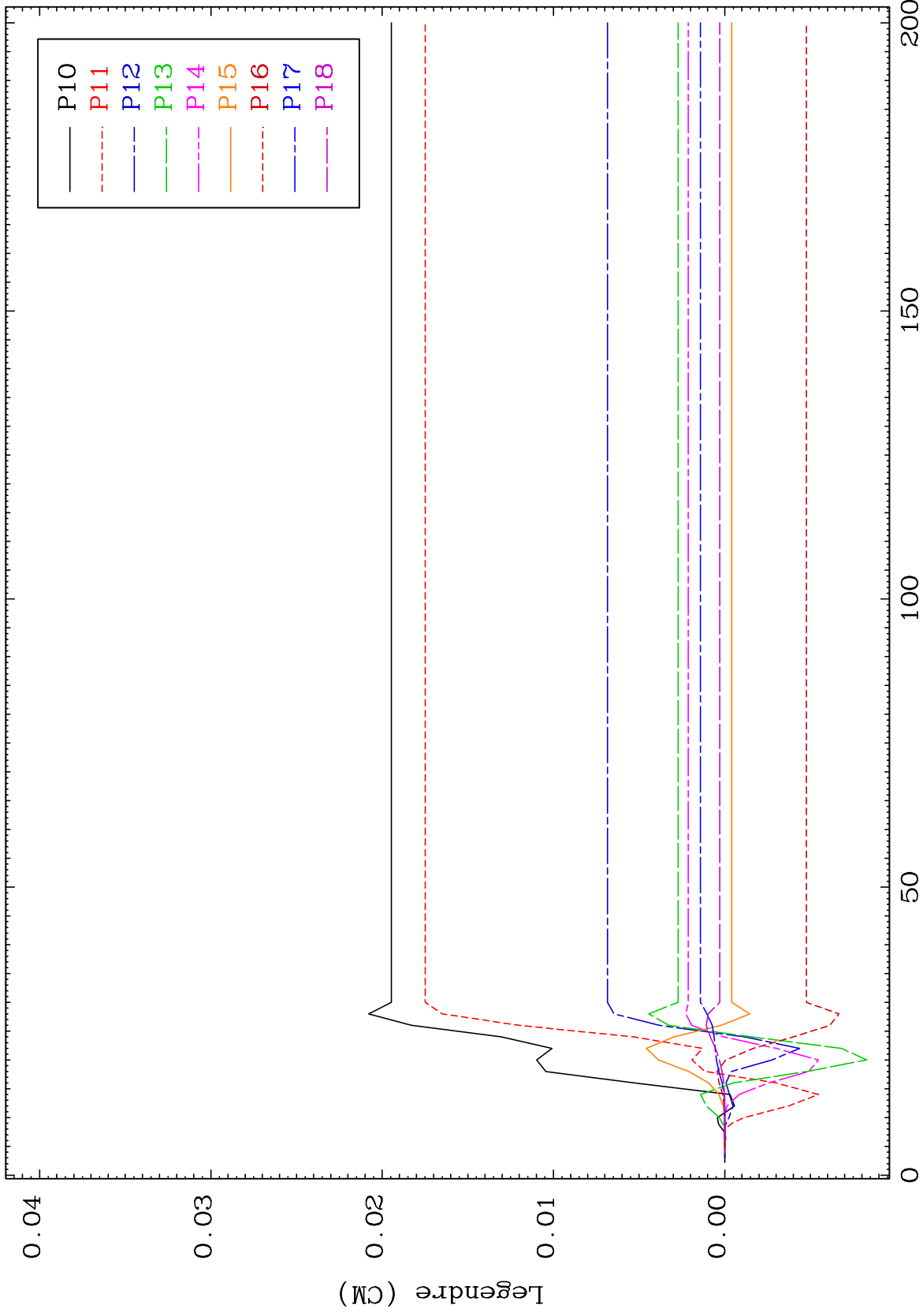
54-Xe-137



MAT 5464

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

54-Xe-137



54-Xe-137

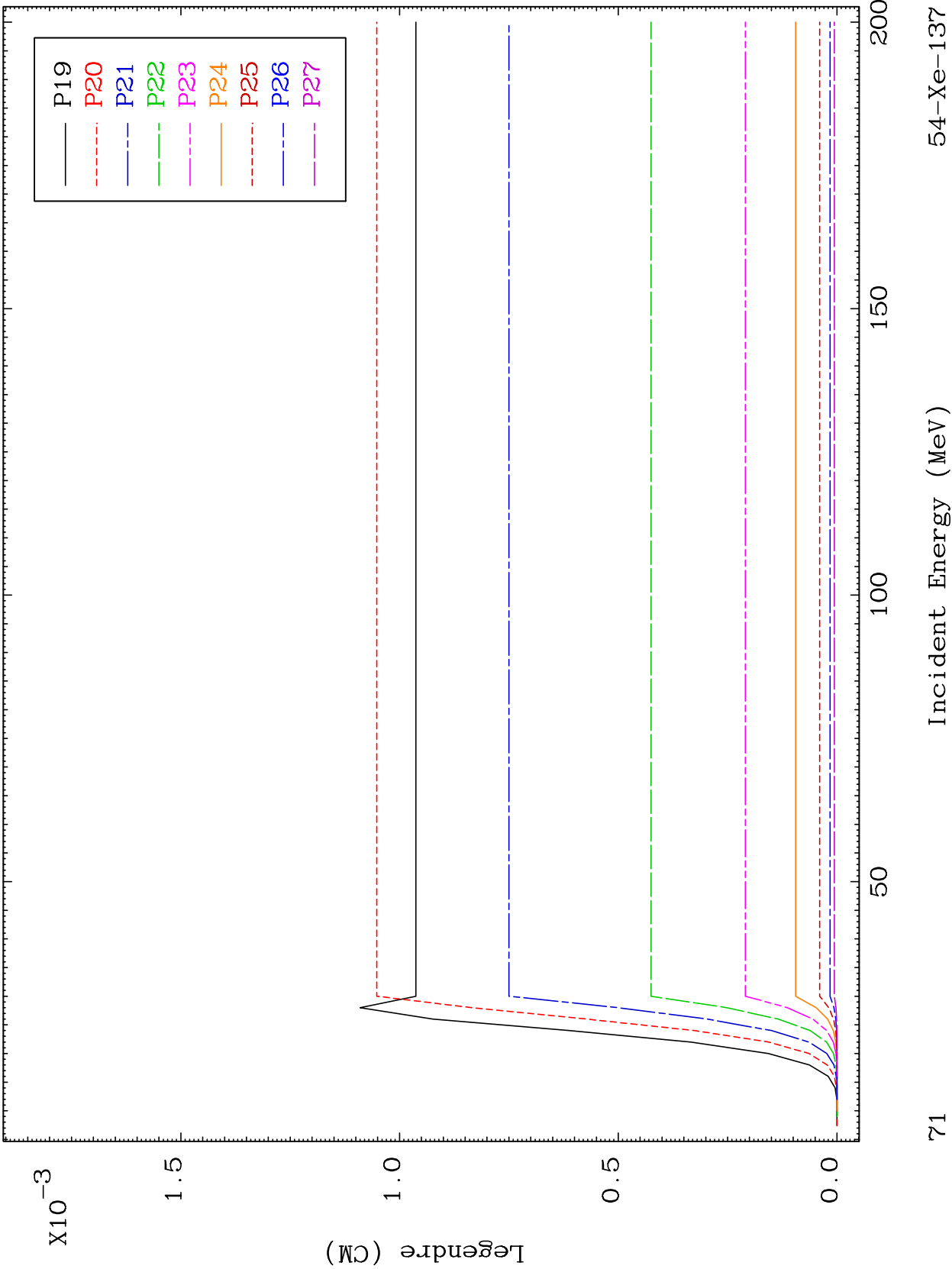
Incident Energy (MeV)

70

MAT 5464

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

54-Xe-137



71

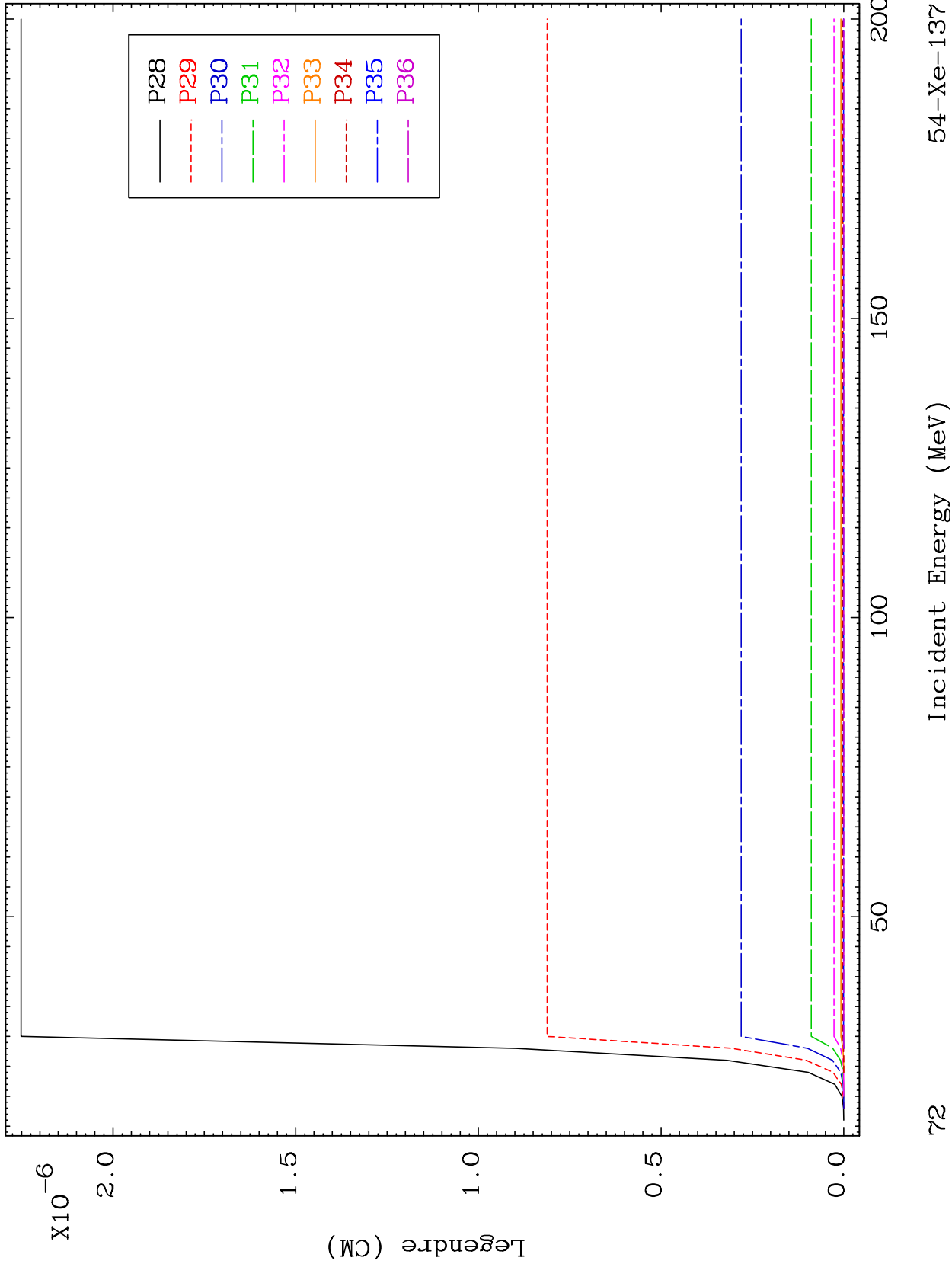
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

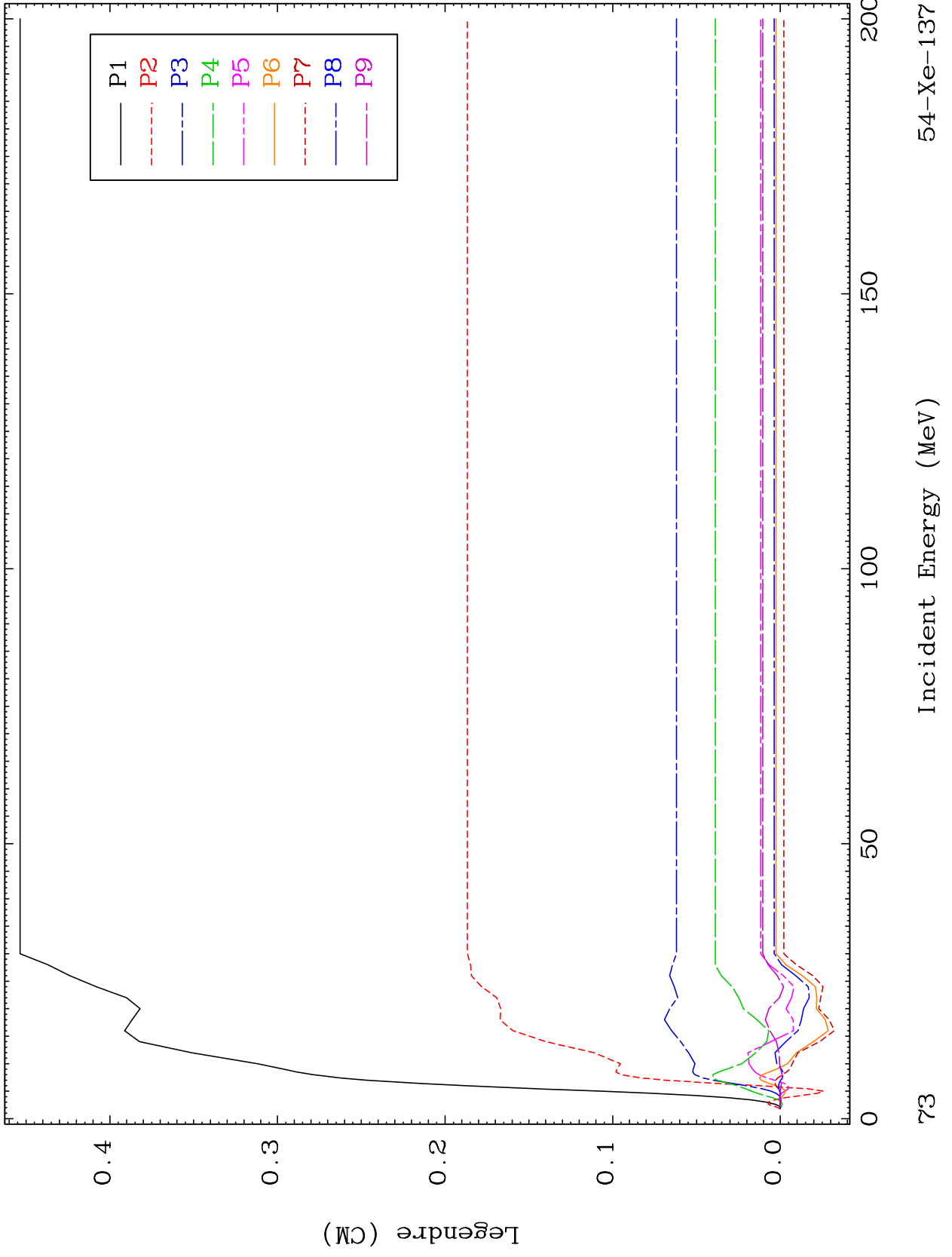
54-Xe-137



MAT 5464

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

54-Xe-137



54-Xe-137

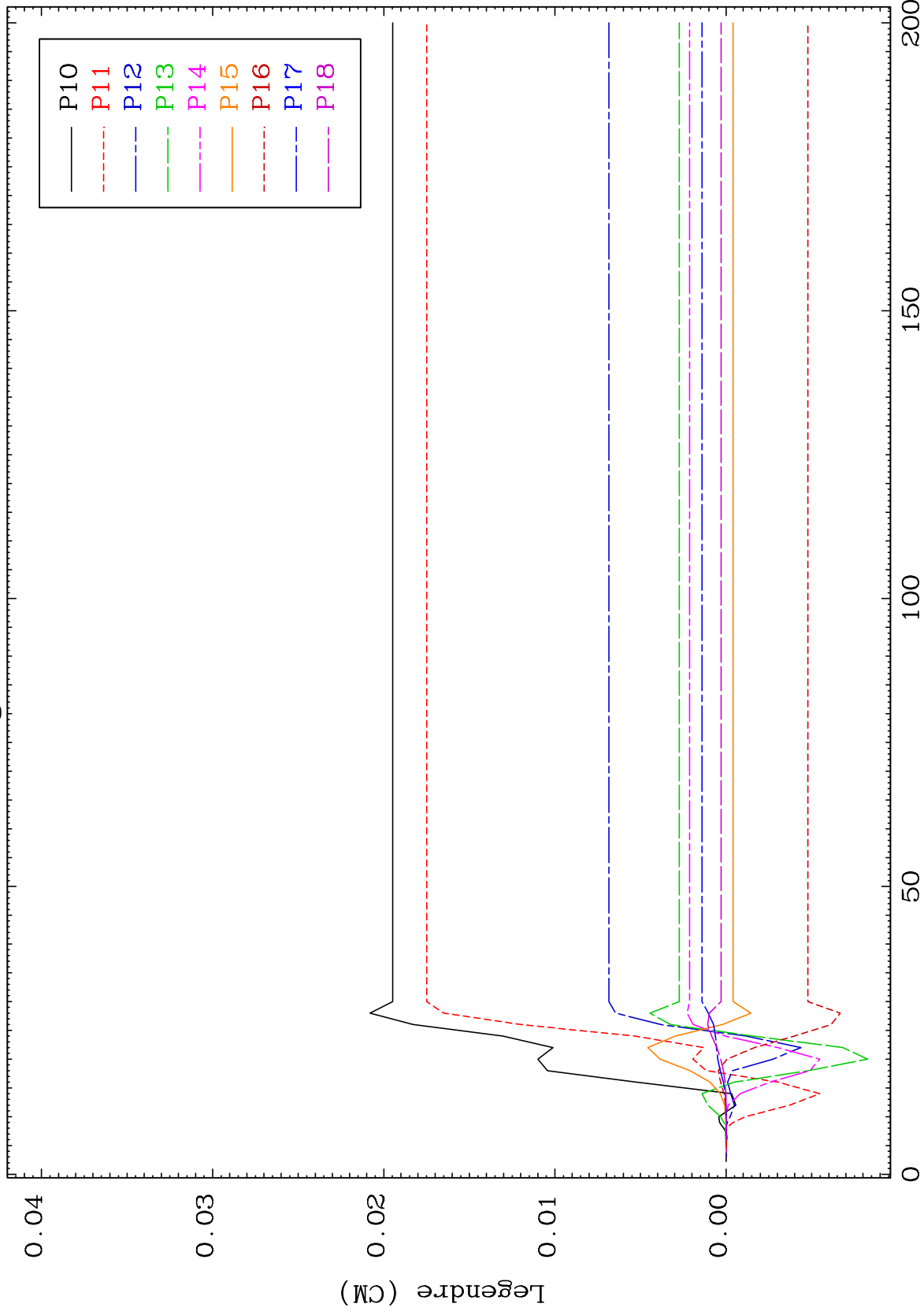
Incident Energy (MeV)

73

MAT 5464

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

54-Xe-137



74

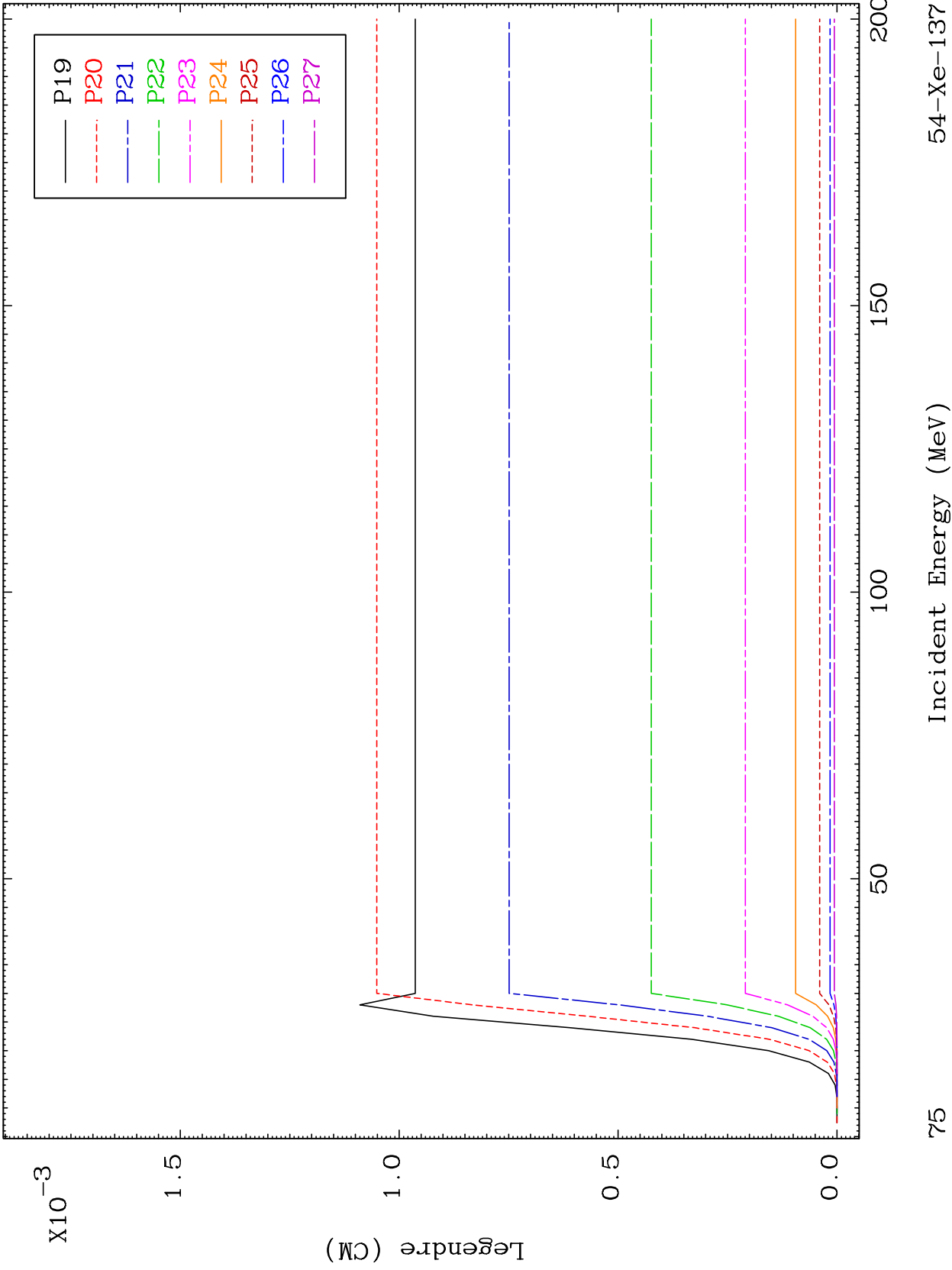
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

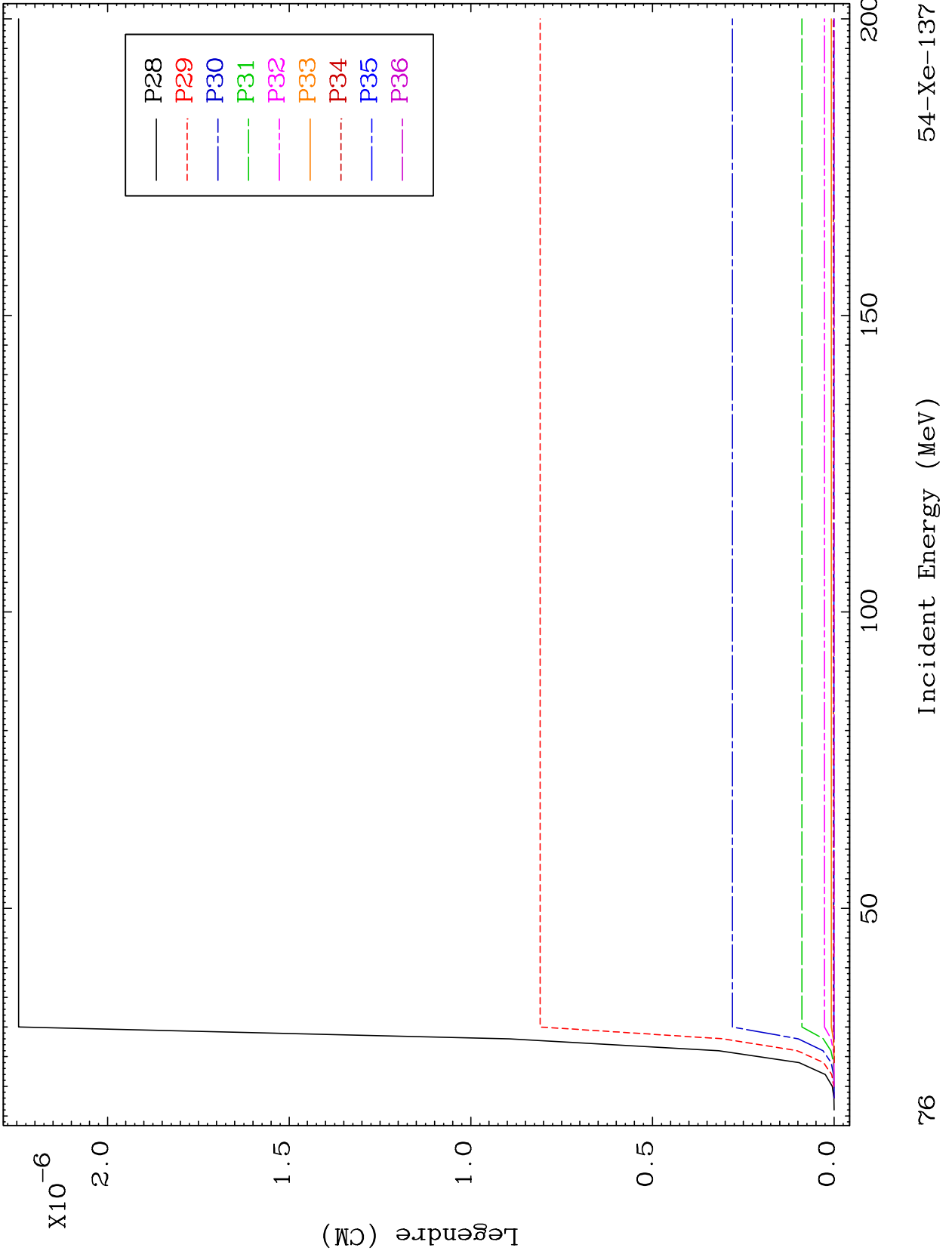
54-Xe-137



MAT 5464

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

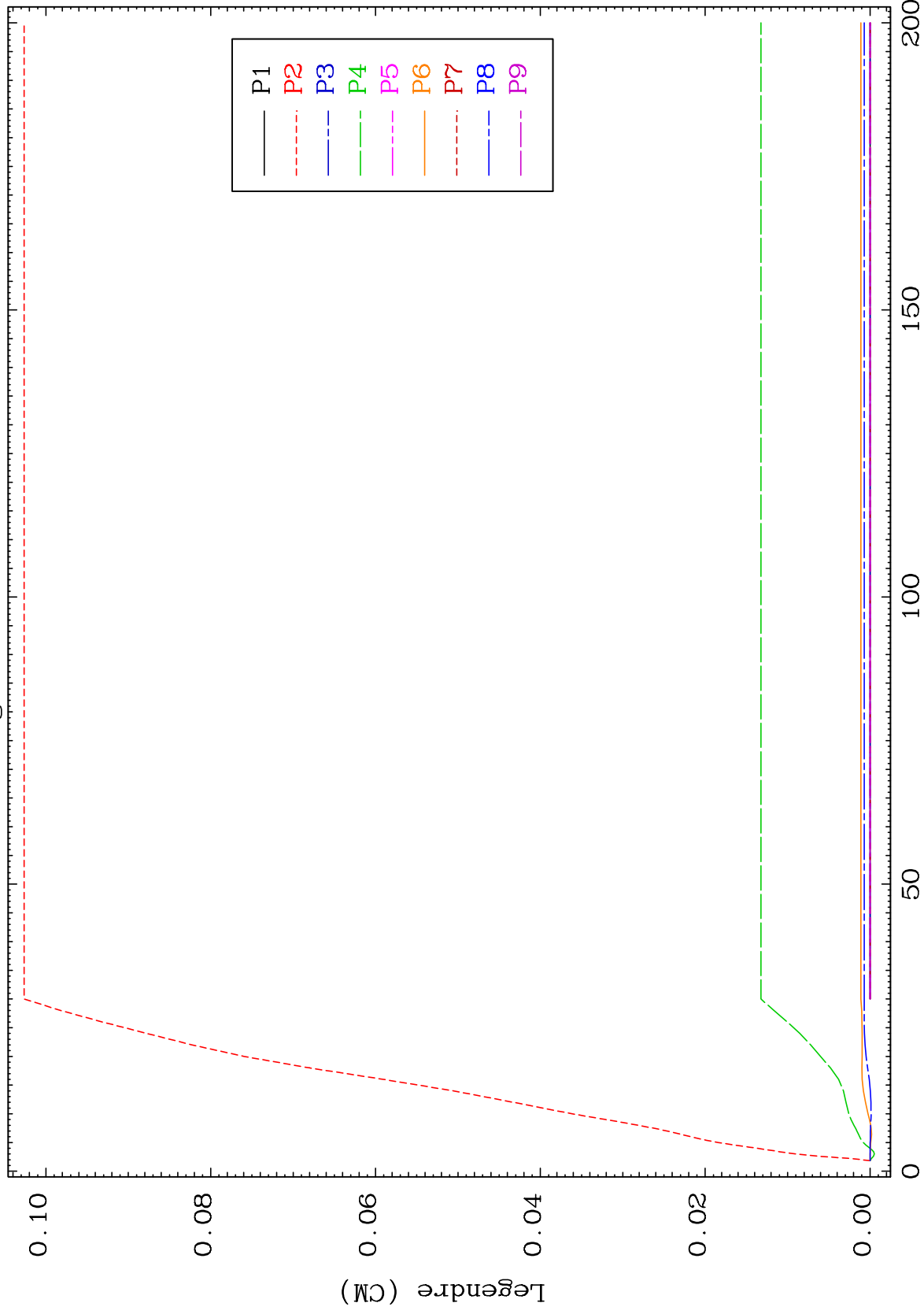
54-Xe-137



MAT 5464

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

54-Xe-137



77

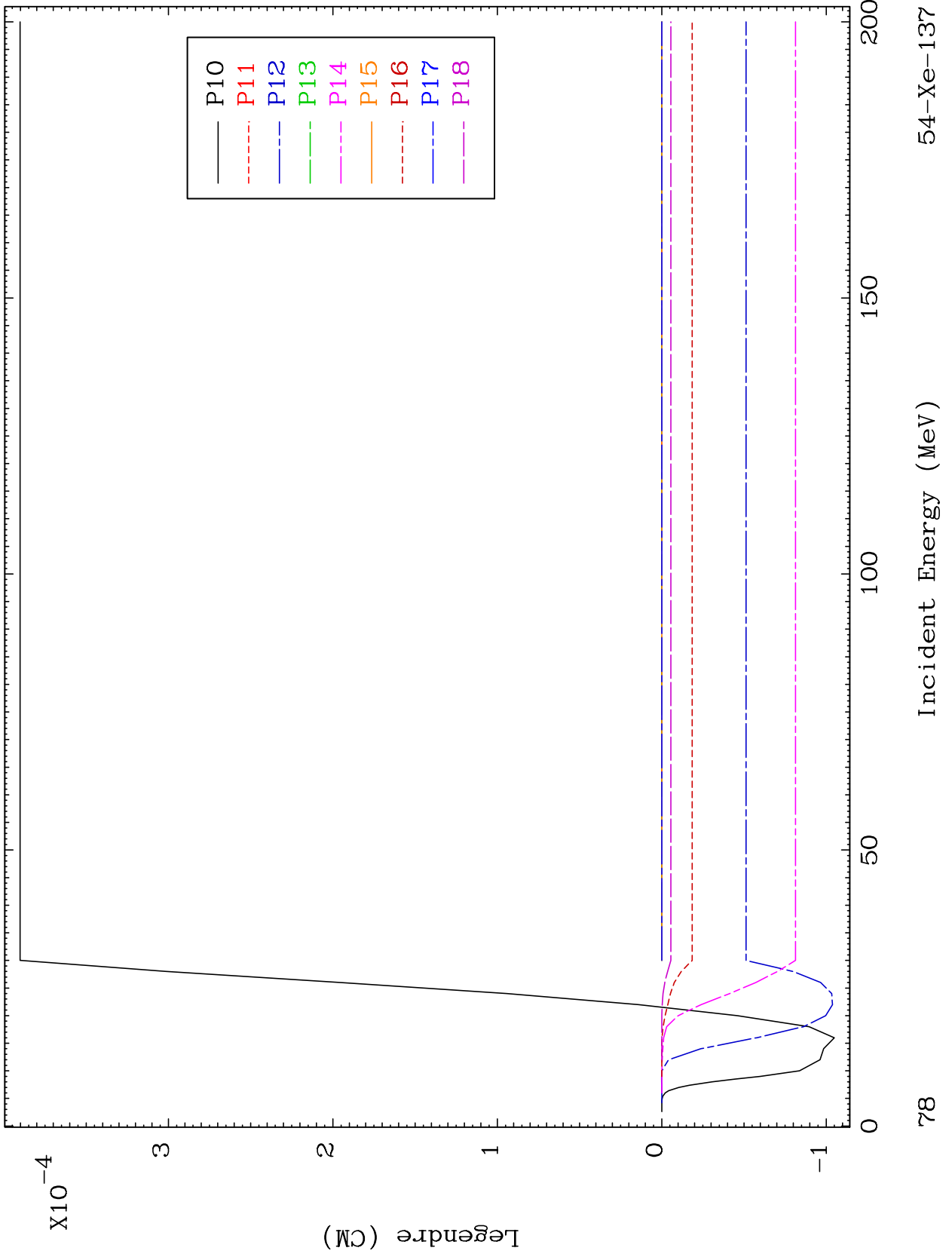
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

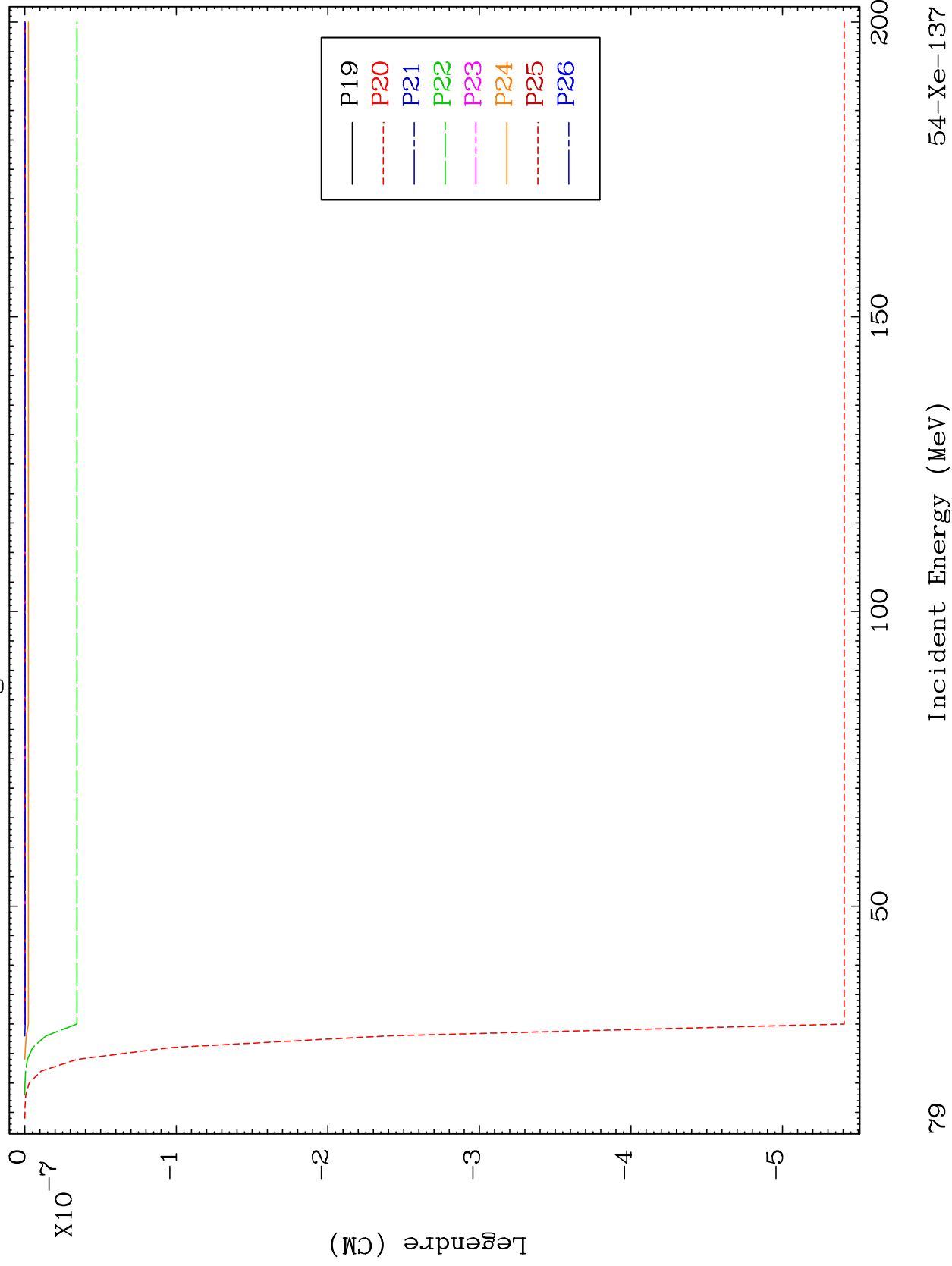
54-Xe-137



MAT 5464

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

54-Xe-137



79

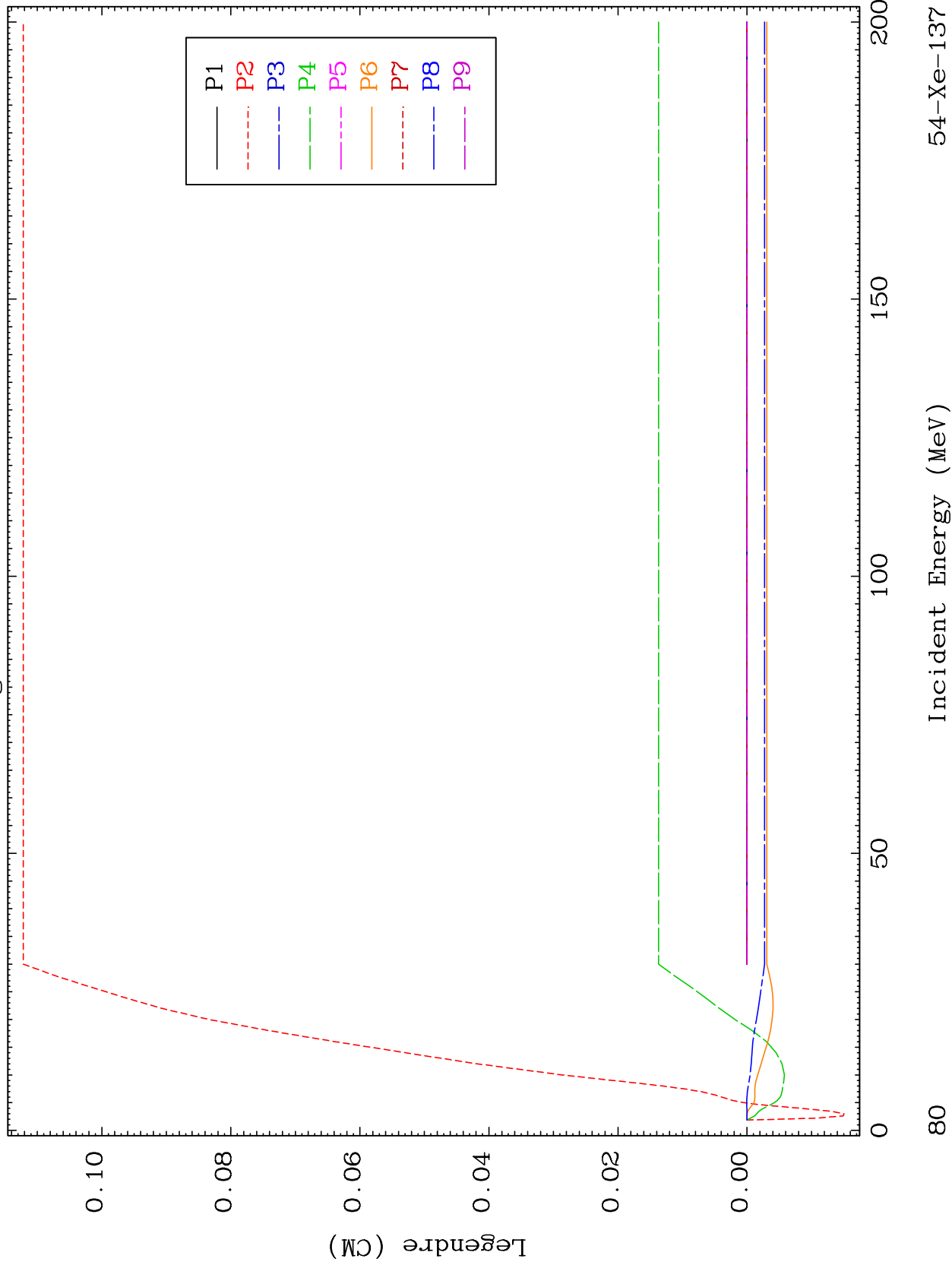
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



54-Xe-137

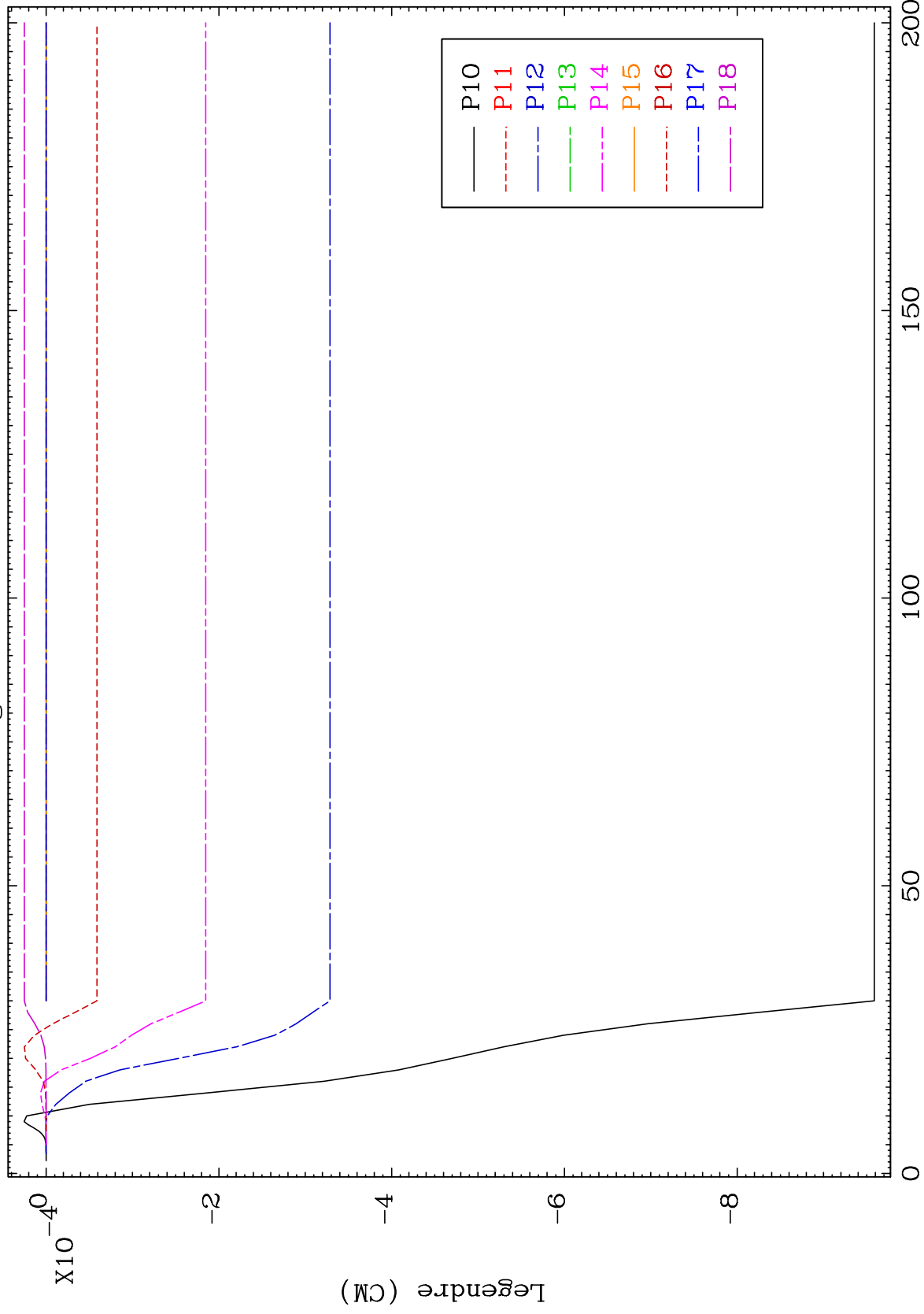
Incident Energy (MeV)

80

MAT 5464

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

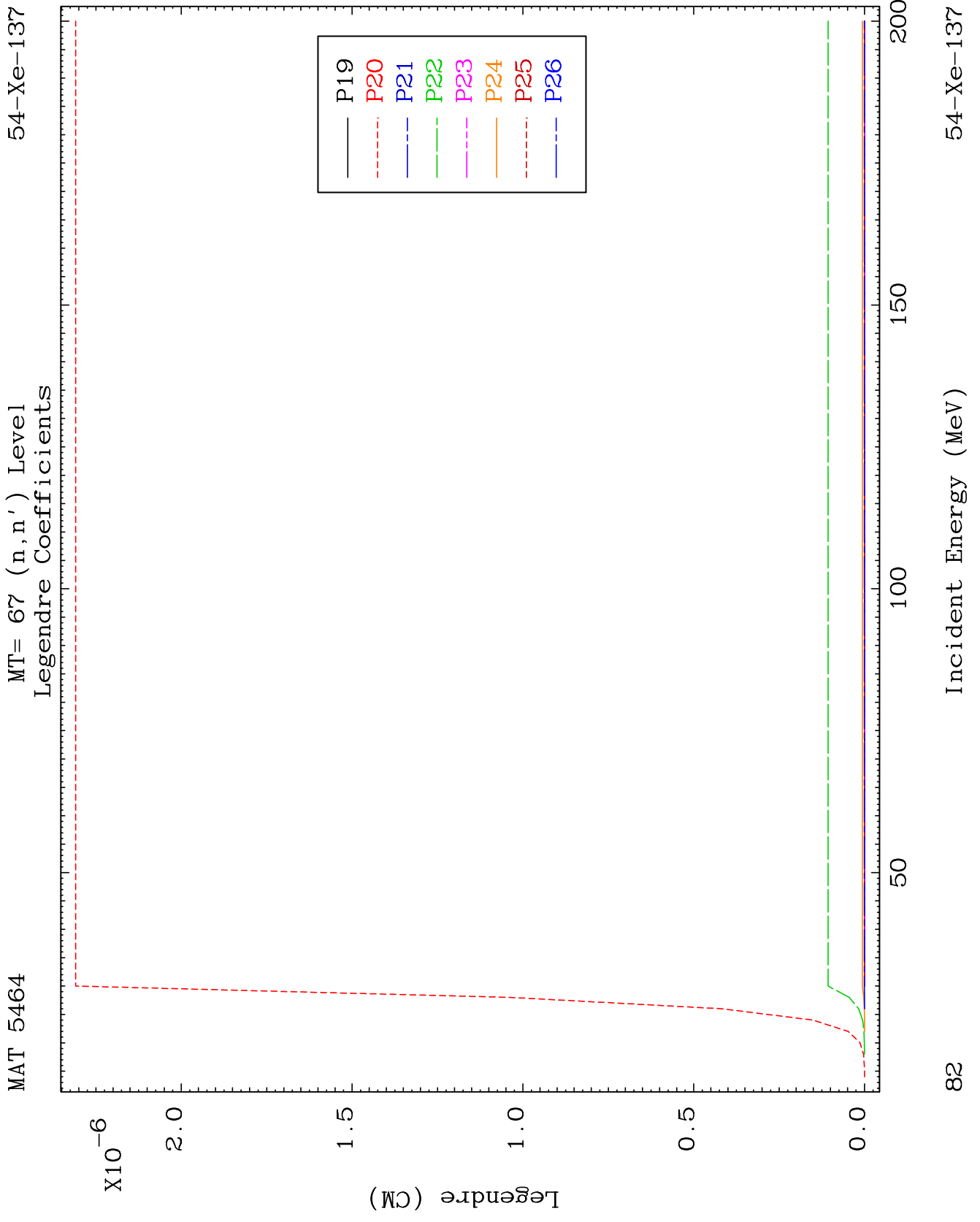
54-Xe-137



81

Incident Energy (MeV)

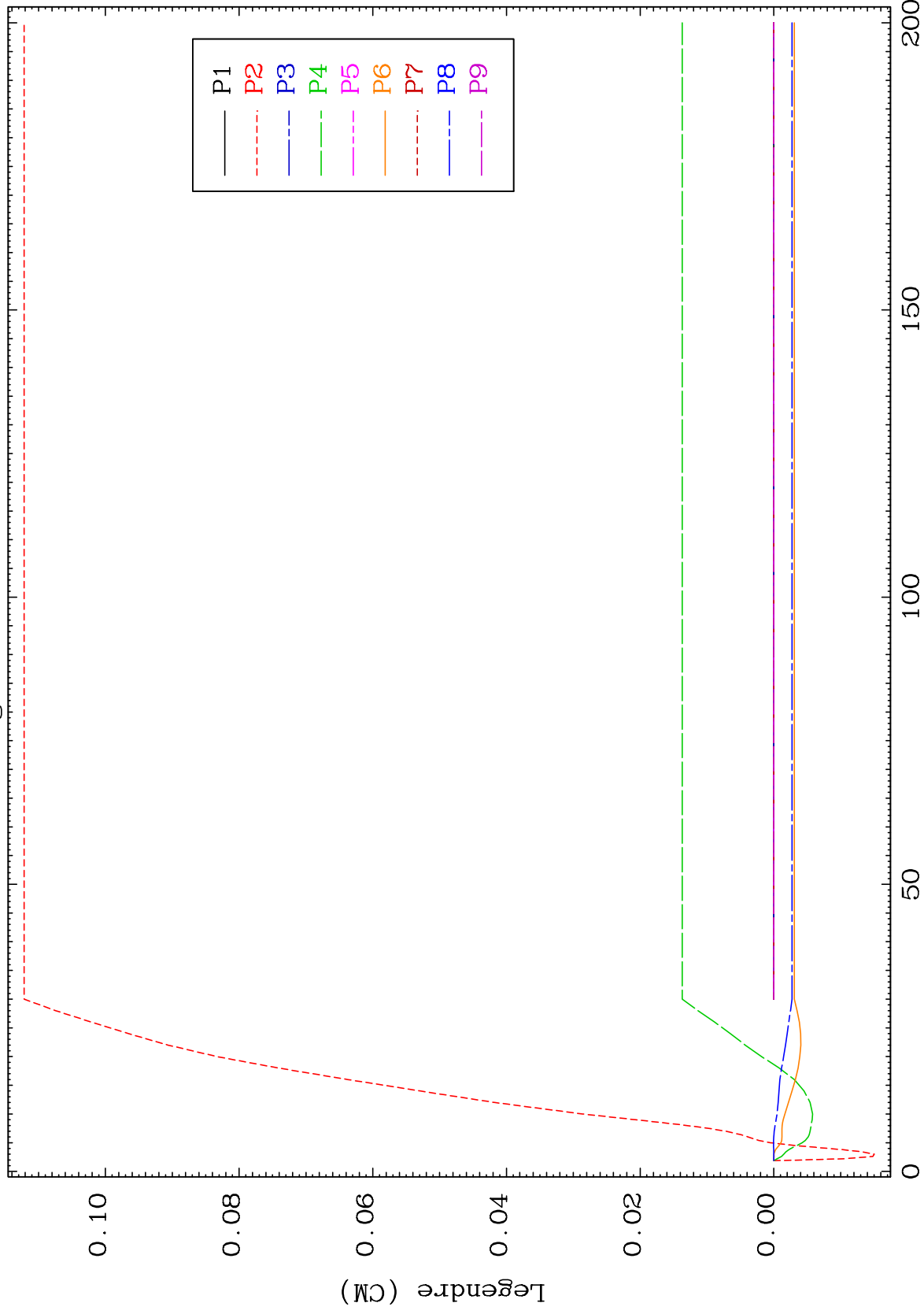
54-Xe-137



MAT 5464

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

54-Xe-137



54-Xe-137

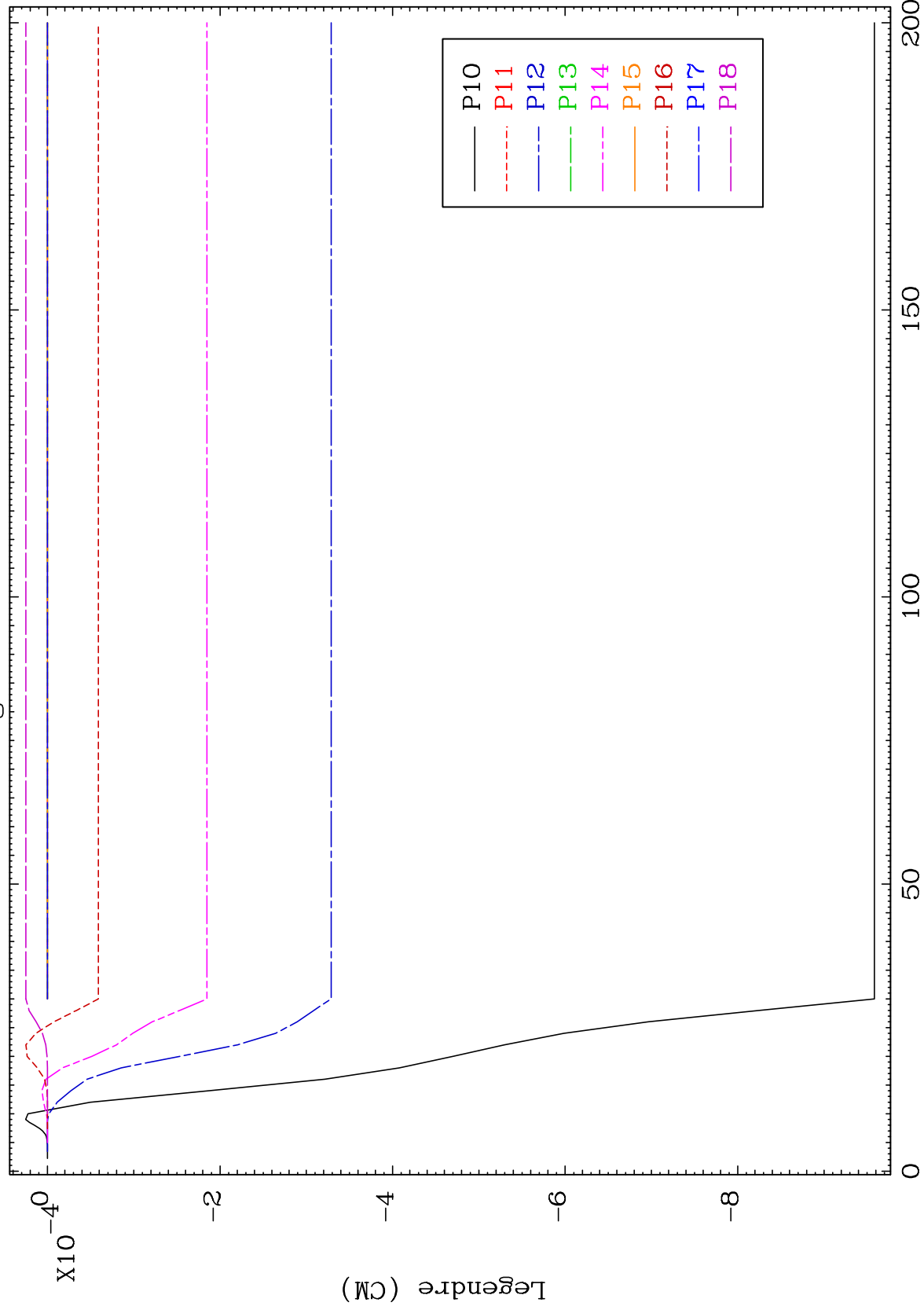
Incident Energy (MeV)

83

MAT 5464

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

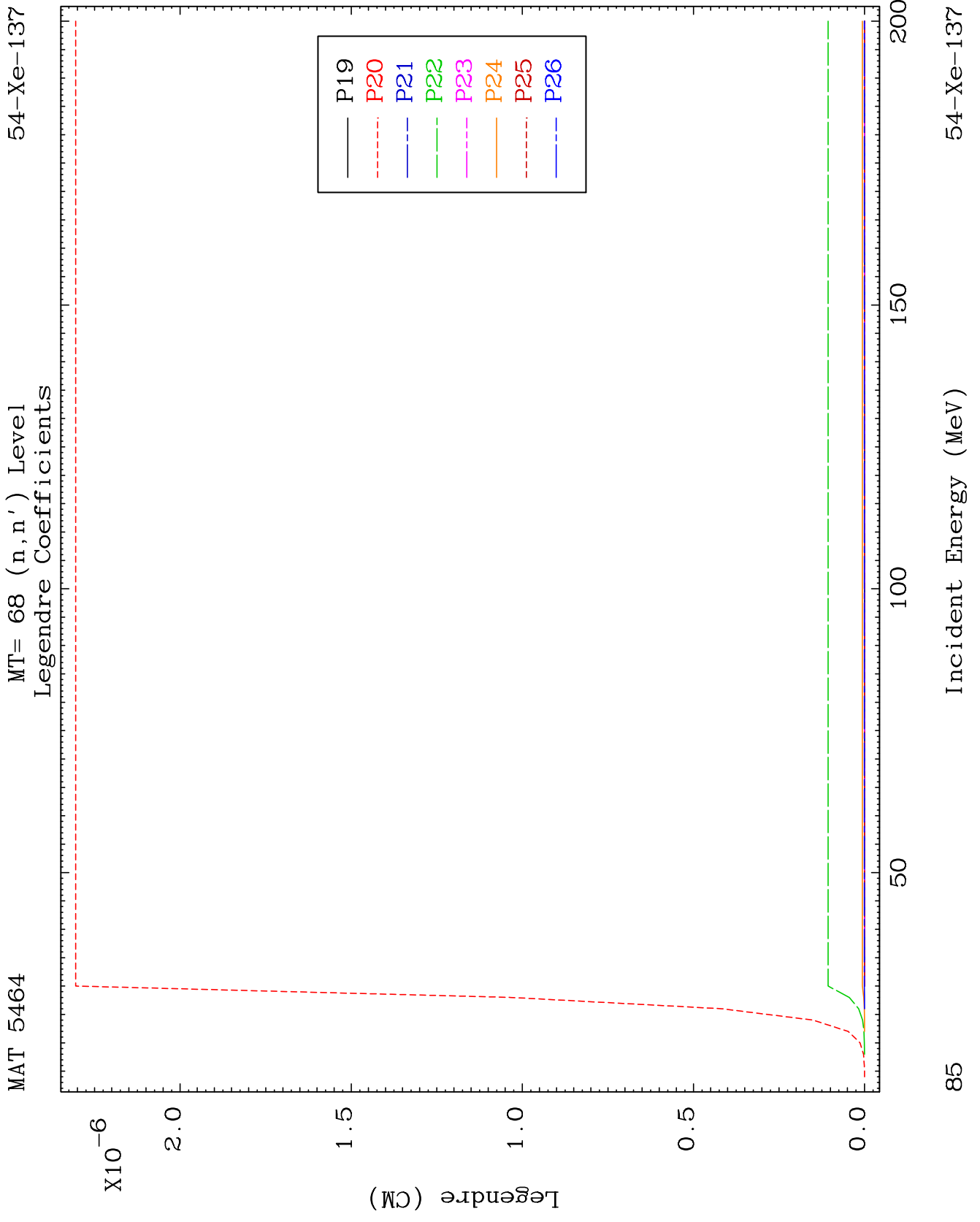
54-Xe-137



84

Incident Energy (MeV)

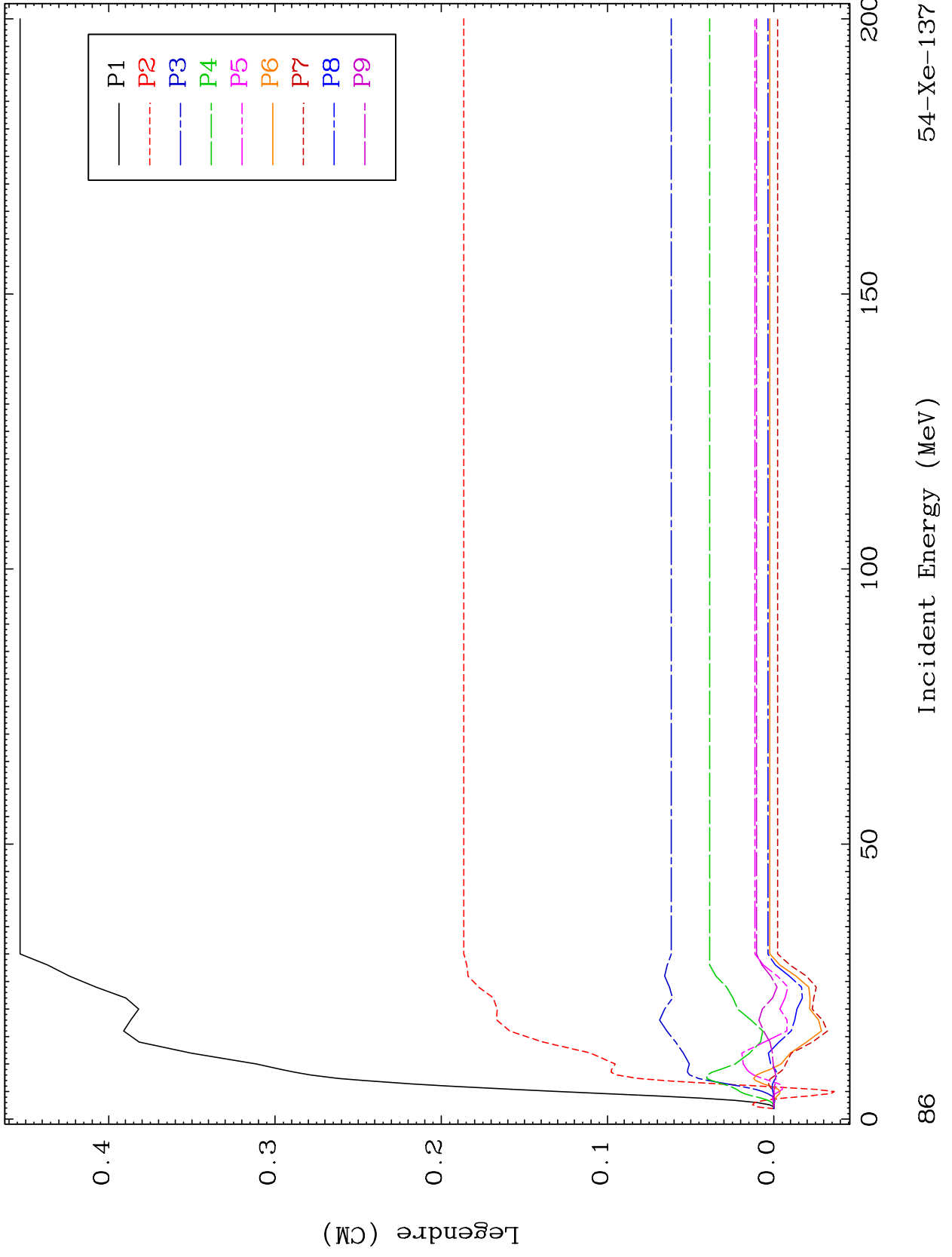
54-Xe-137



MAT 5464

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

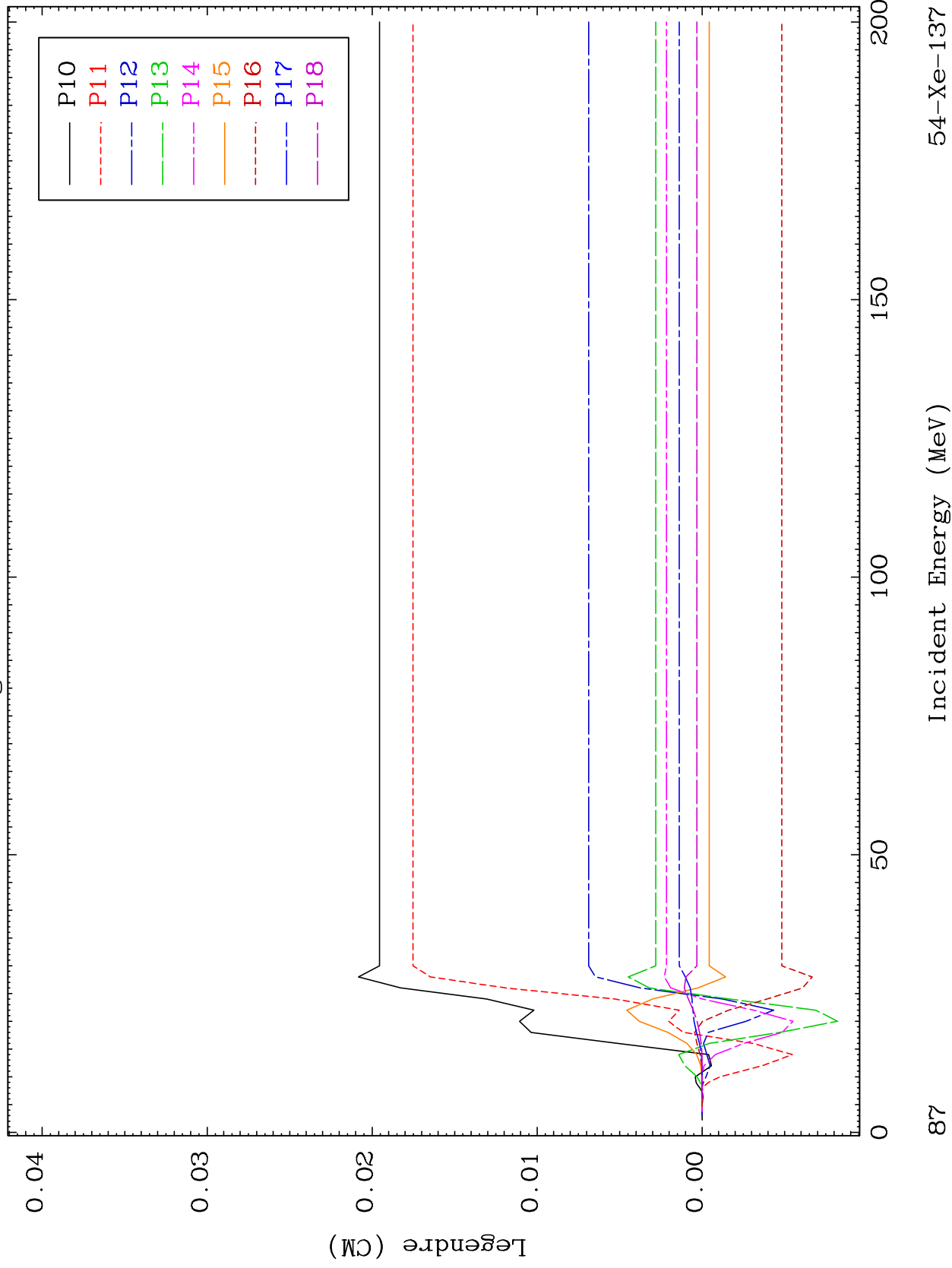
54-Xe-137



MAT 5464

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

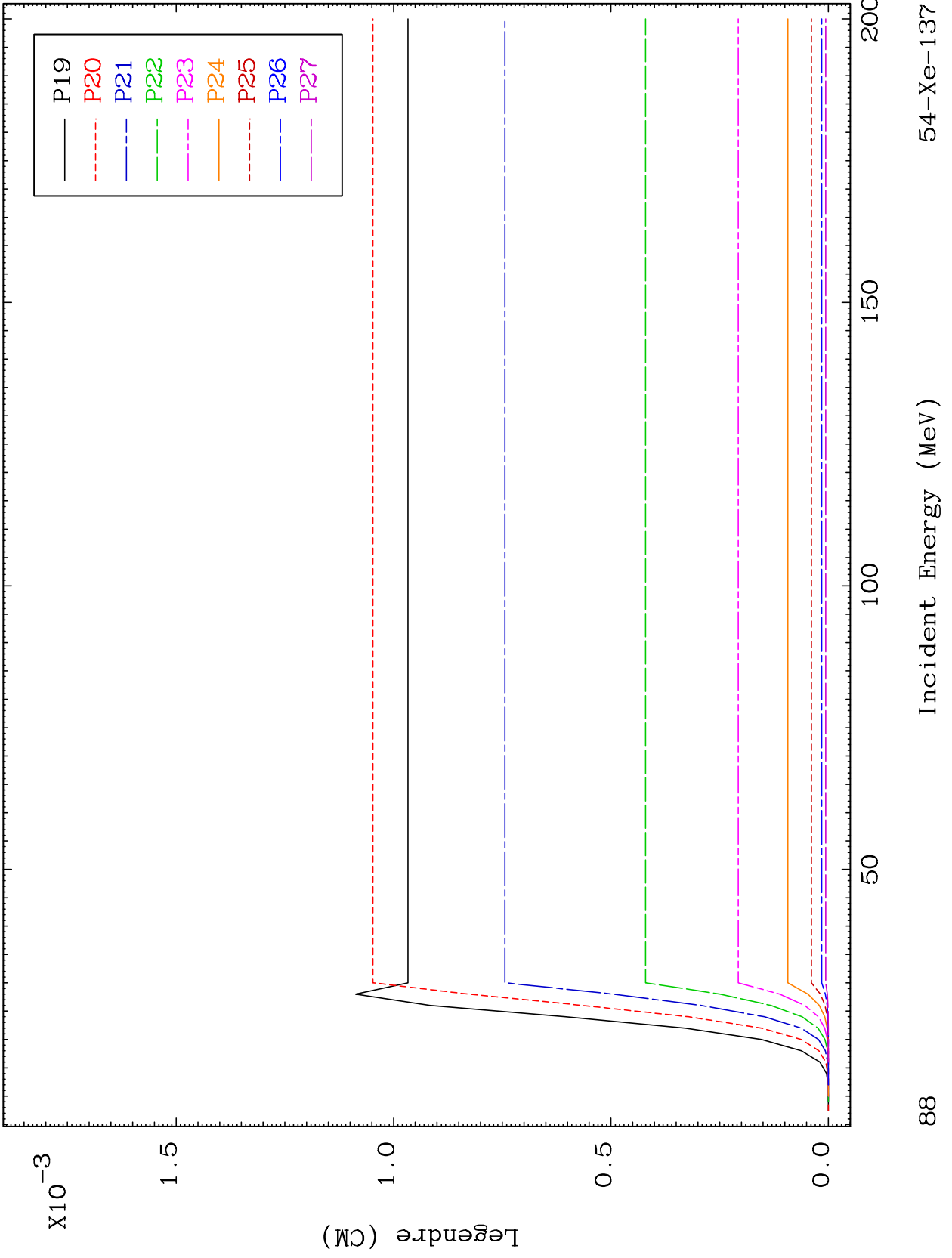
54-Xe-137



87

Incident Energy (MeV)

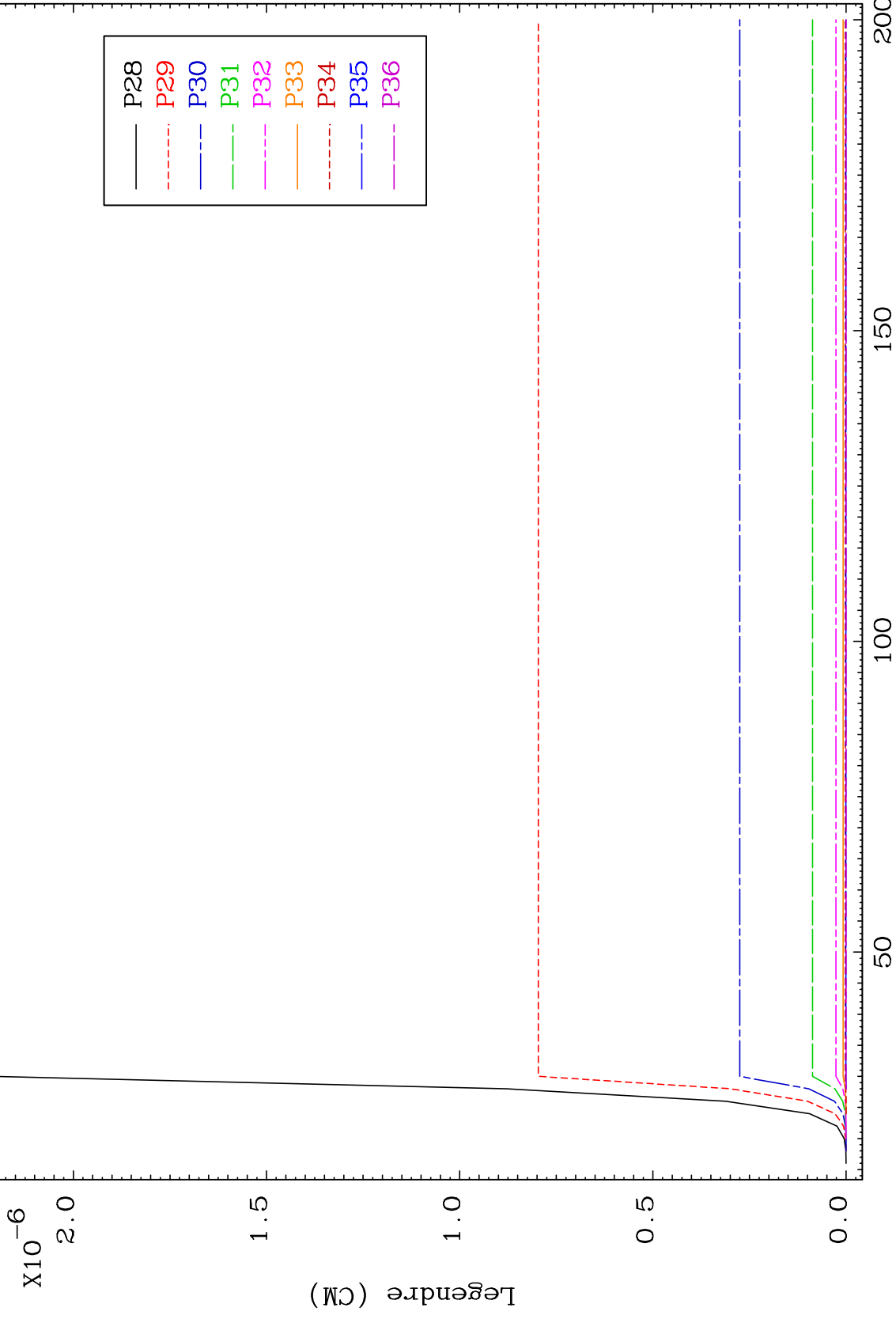
54-Xe-137



MAT 5464

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

54-Xe-137



89

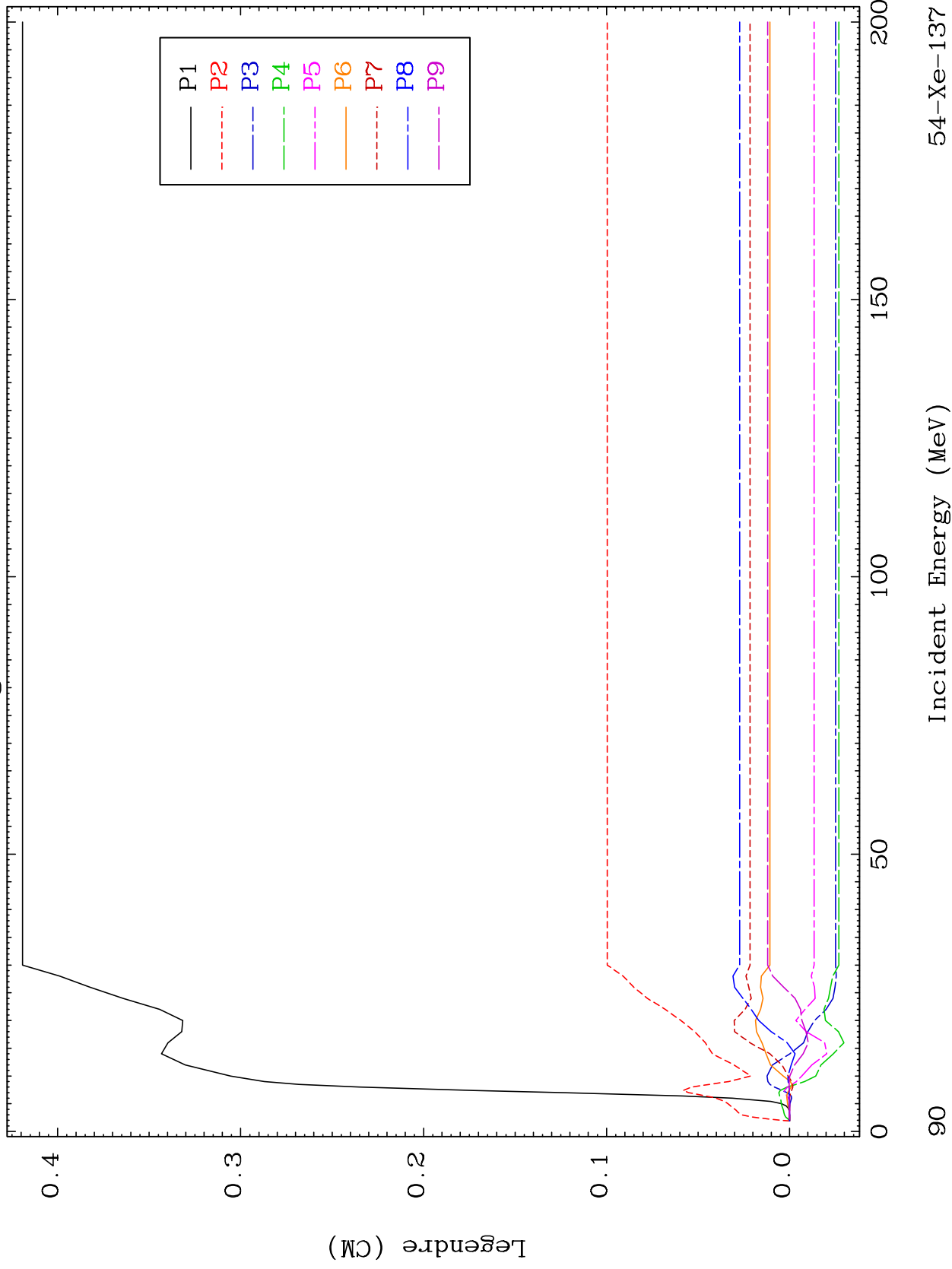
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



54-Xe-137

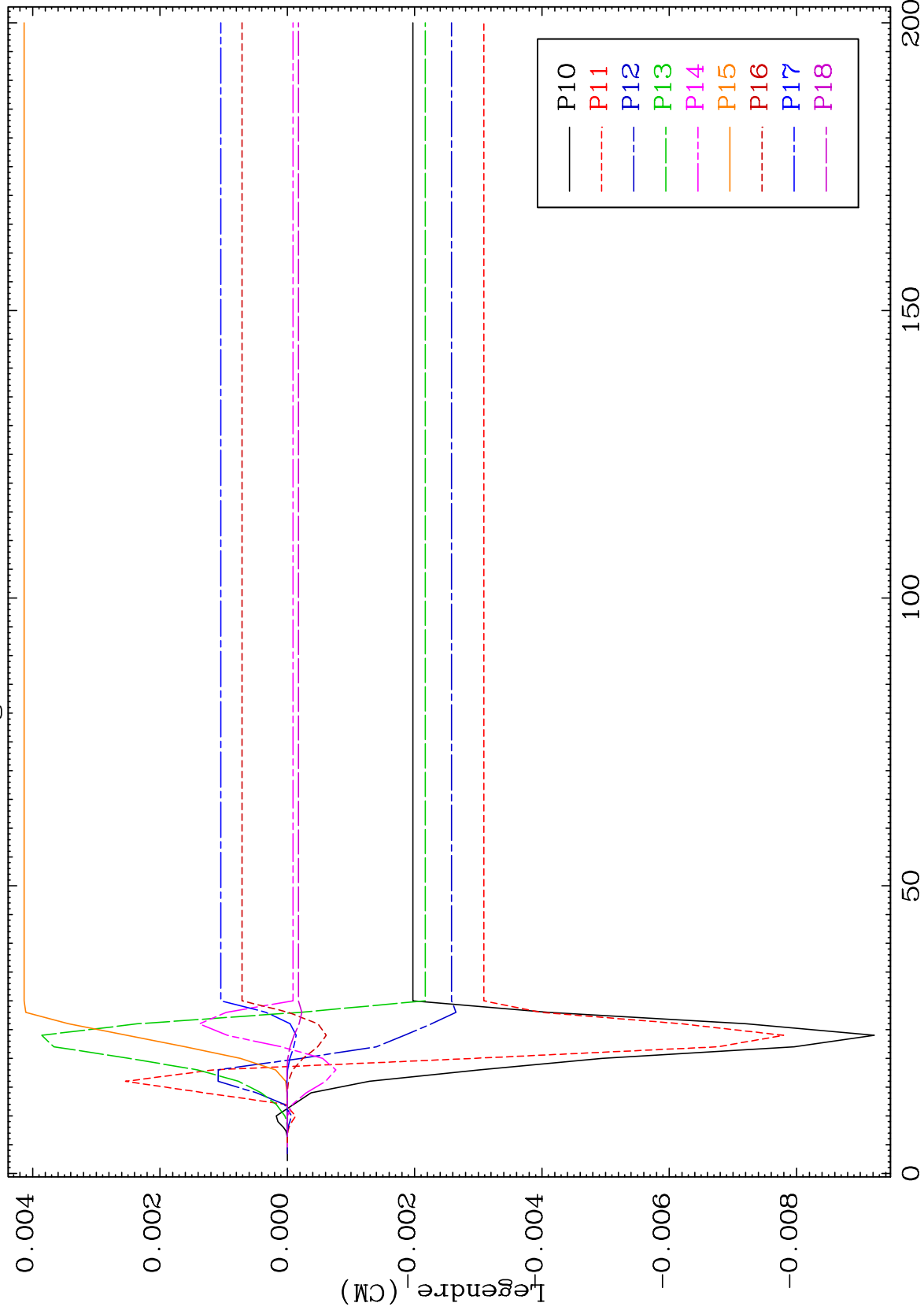
Incident Energy (MeV)

90

MAT 5464

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

54-Xe-137



91

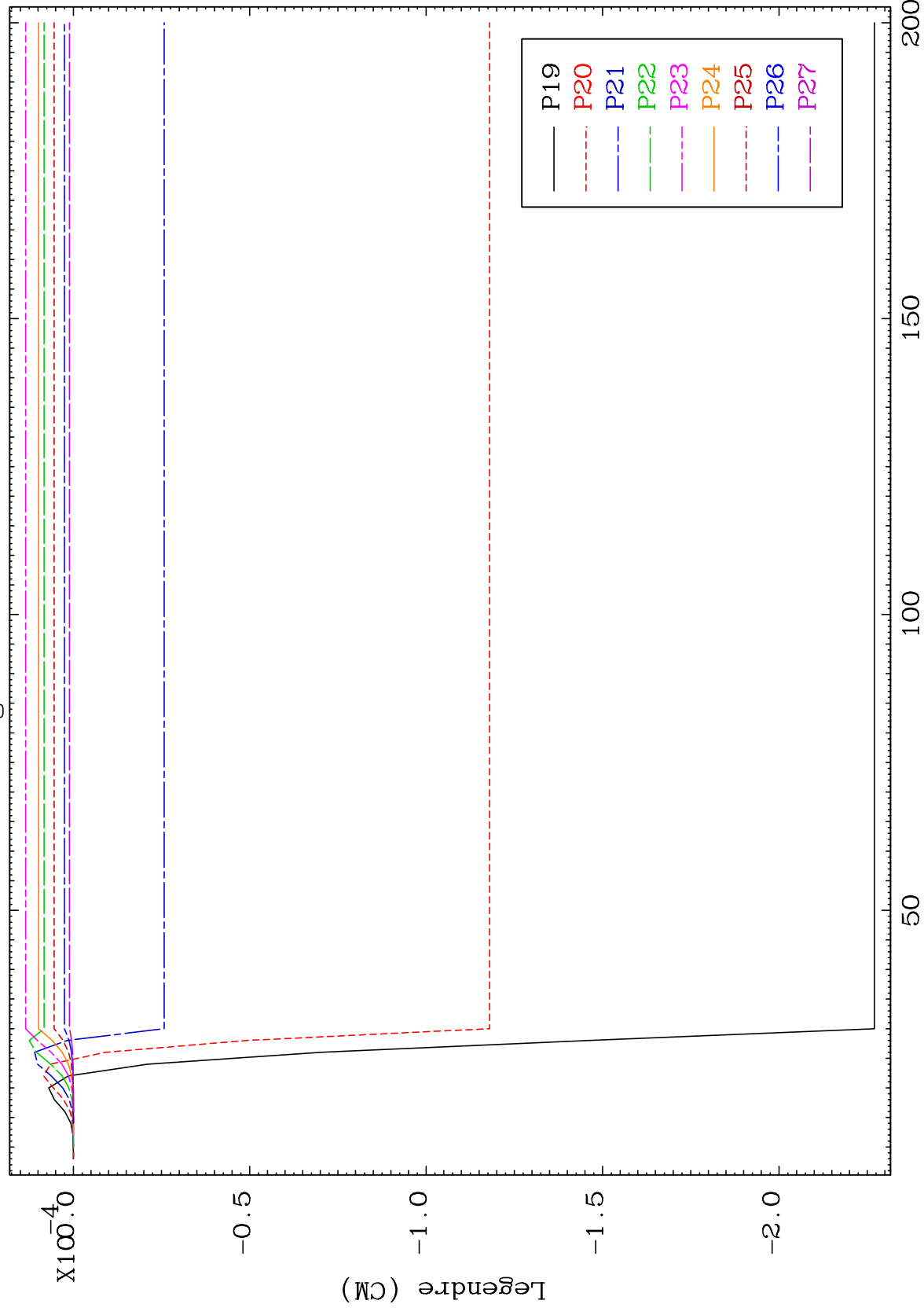
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

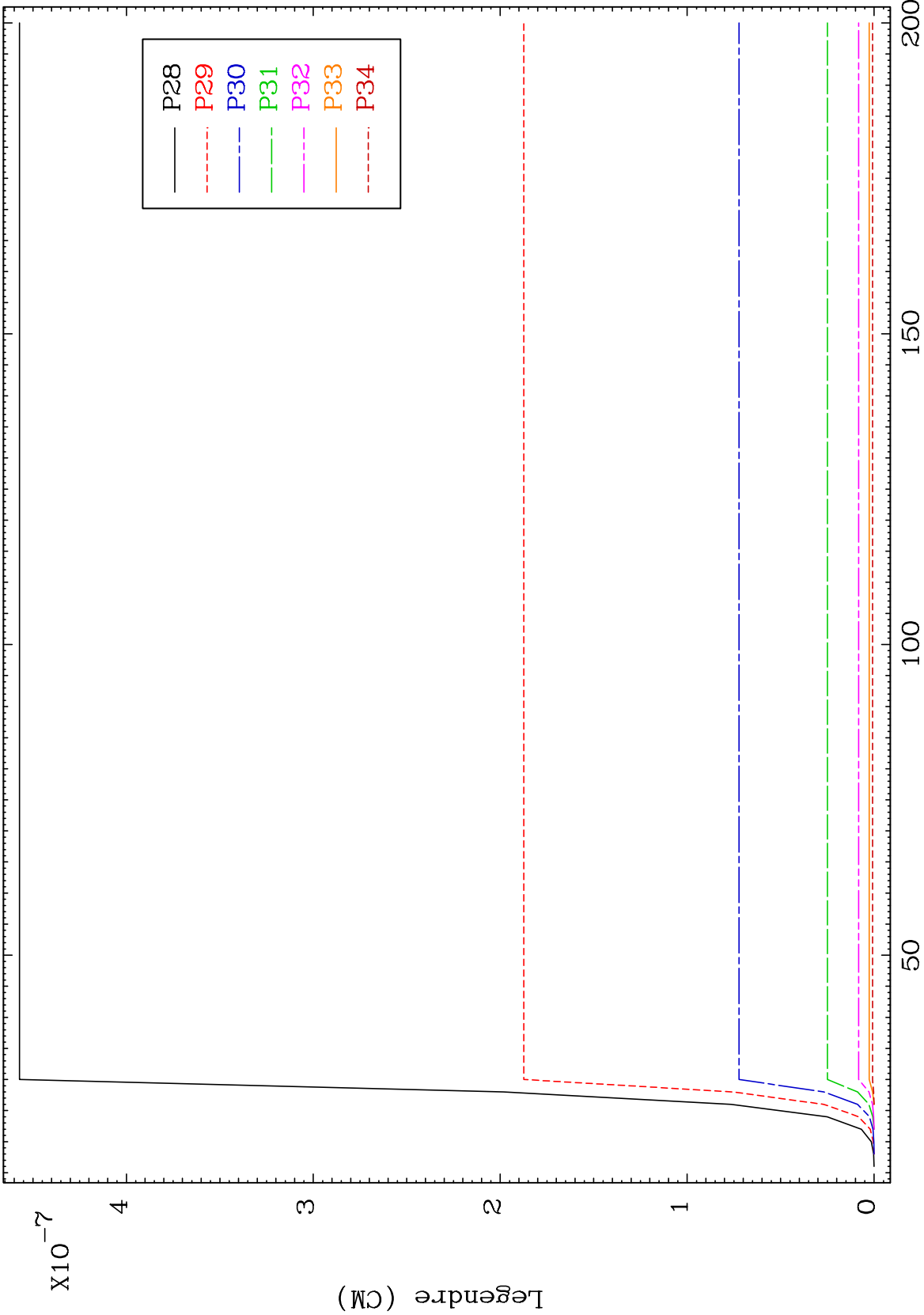
54-Xe-137



MAT 5464

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

54-Xe-137



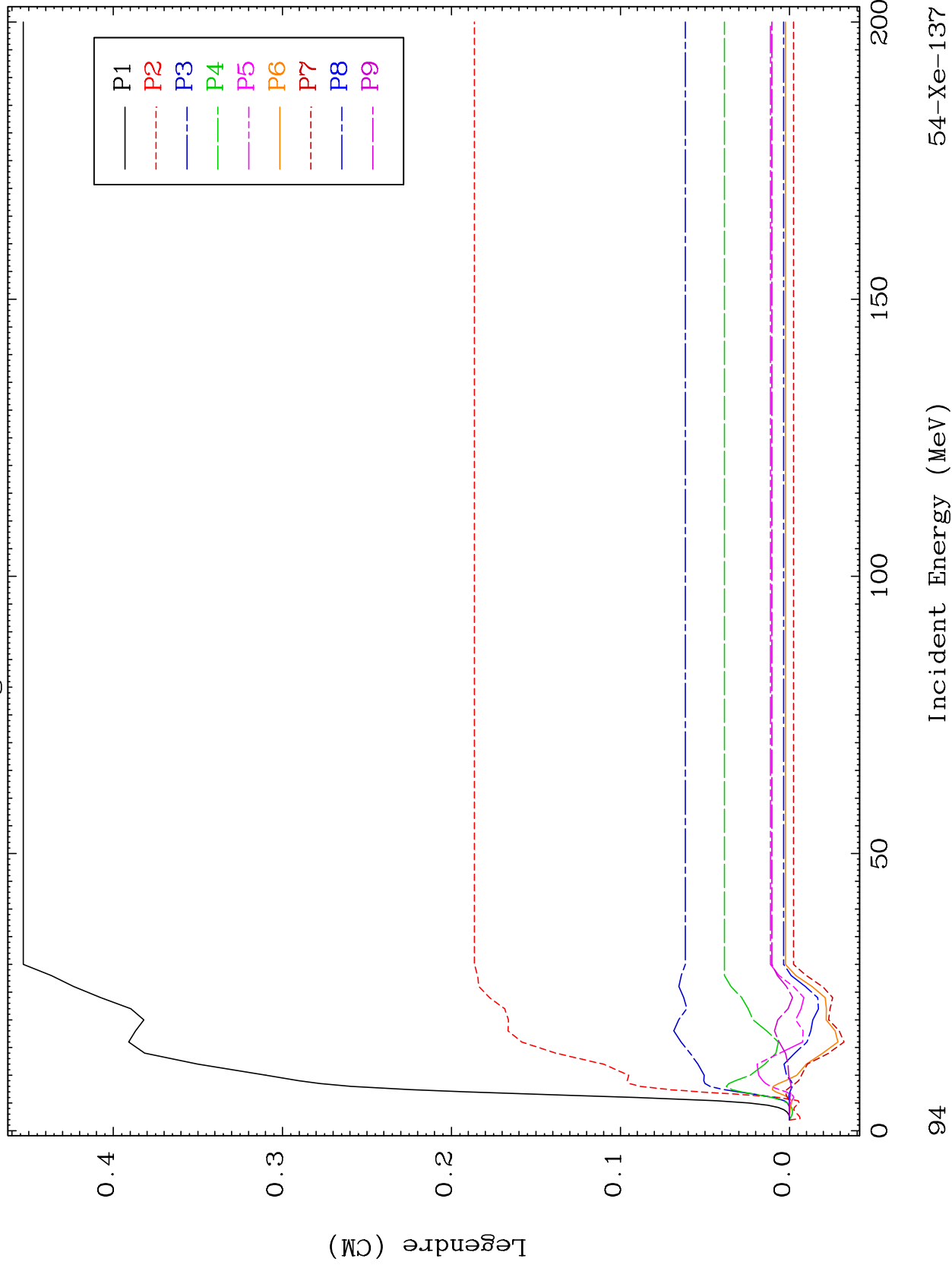
93

54-Xe-137

MAT 5464

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

54-Xe-137



54-Xe-137

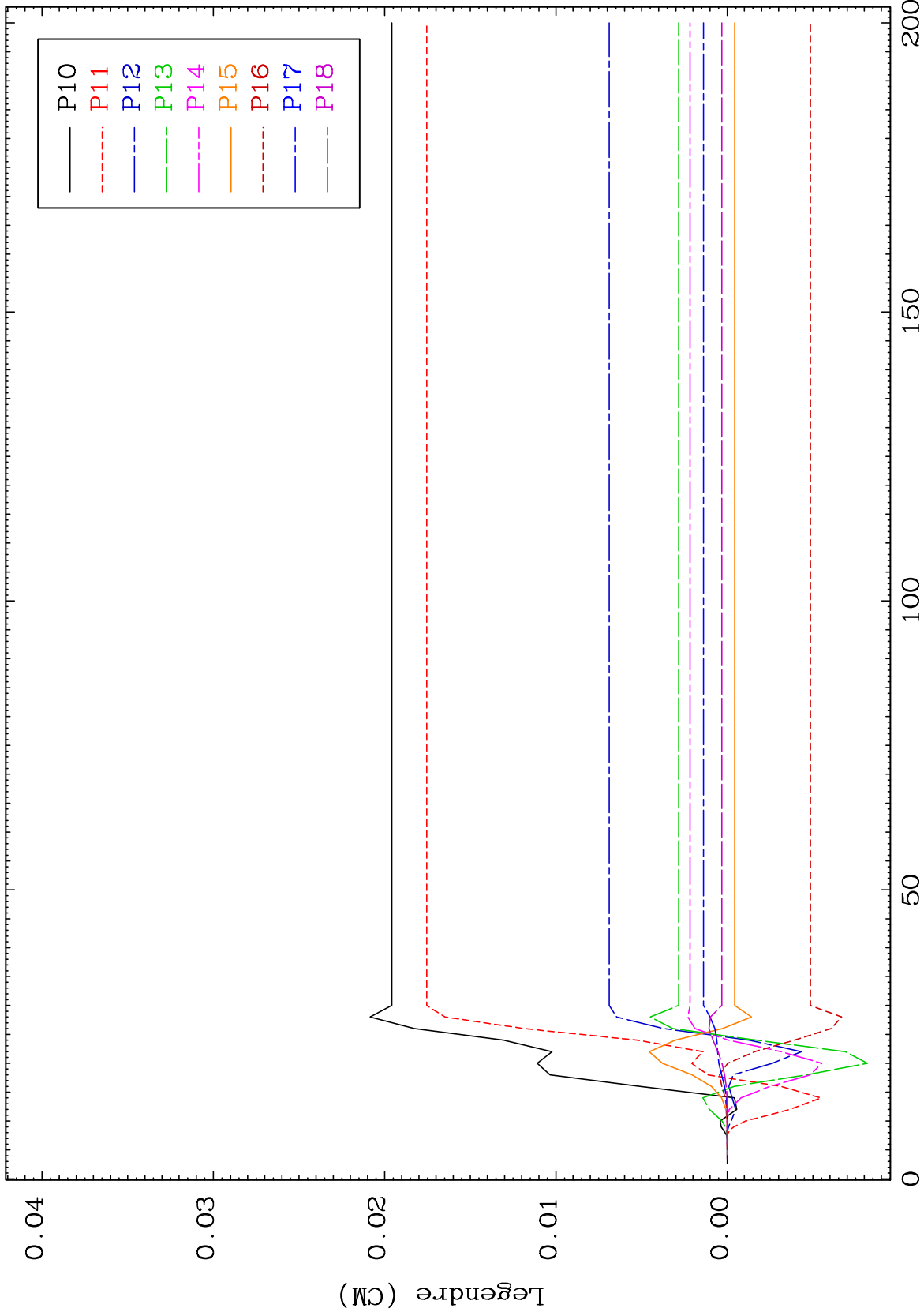
Incident Energy (MeV)

94

MAT 5464

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

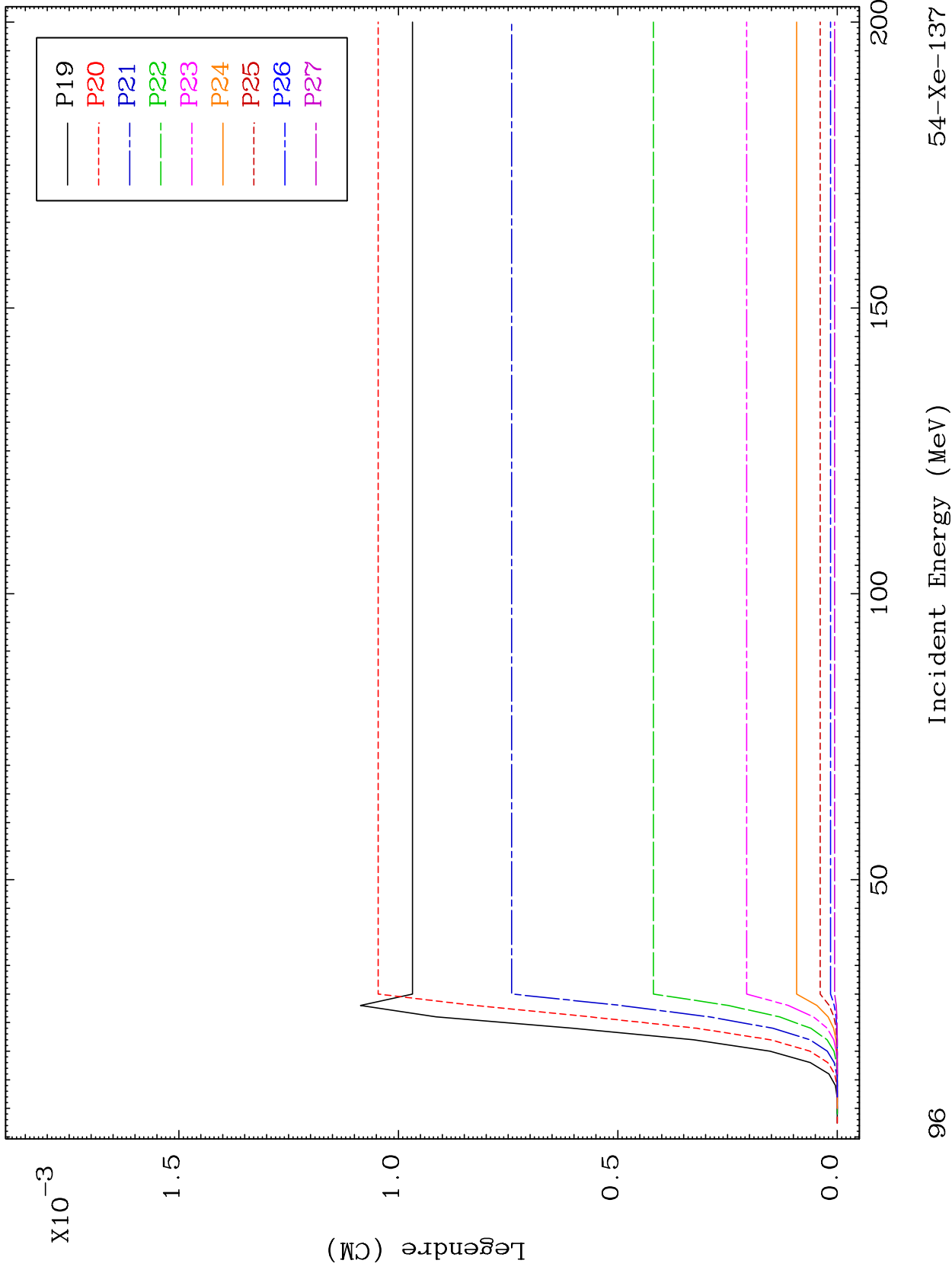
54-Xe-137



95

Incident Energy (MeV)

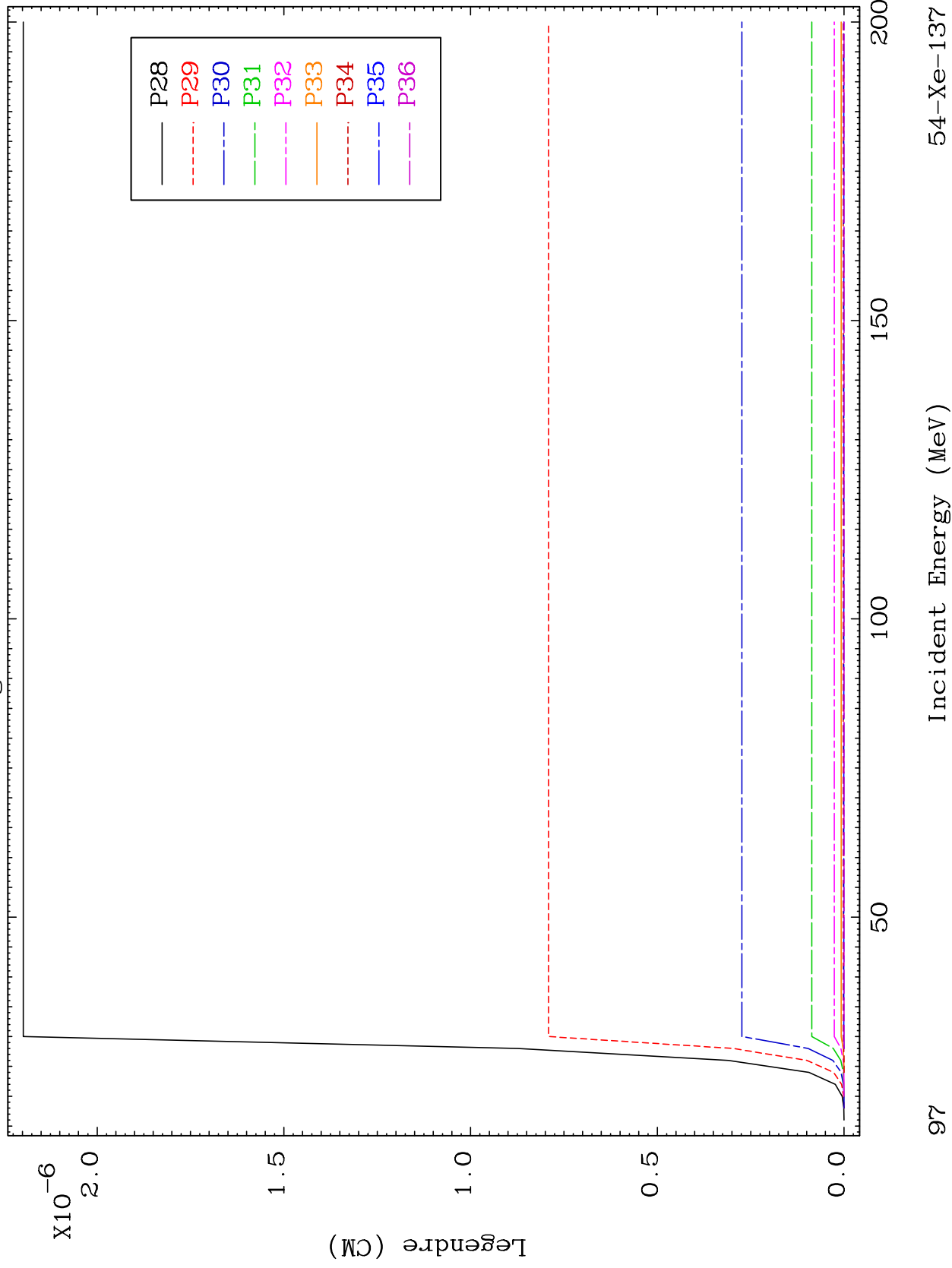
54-Xe-137



MAT 5464

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

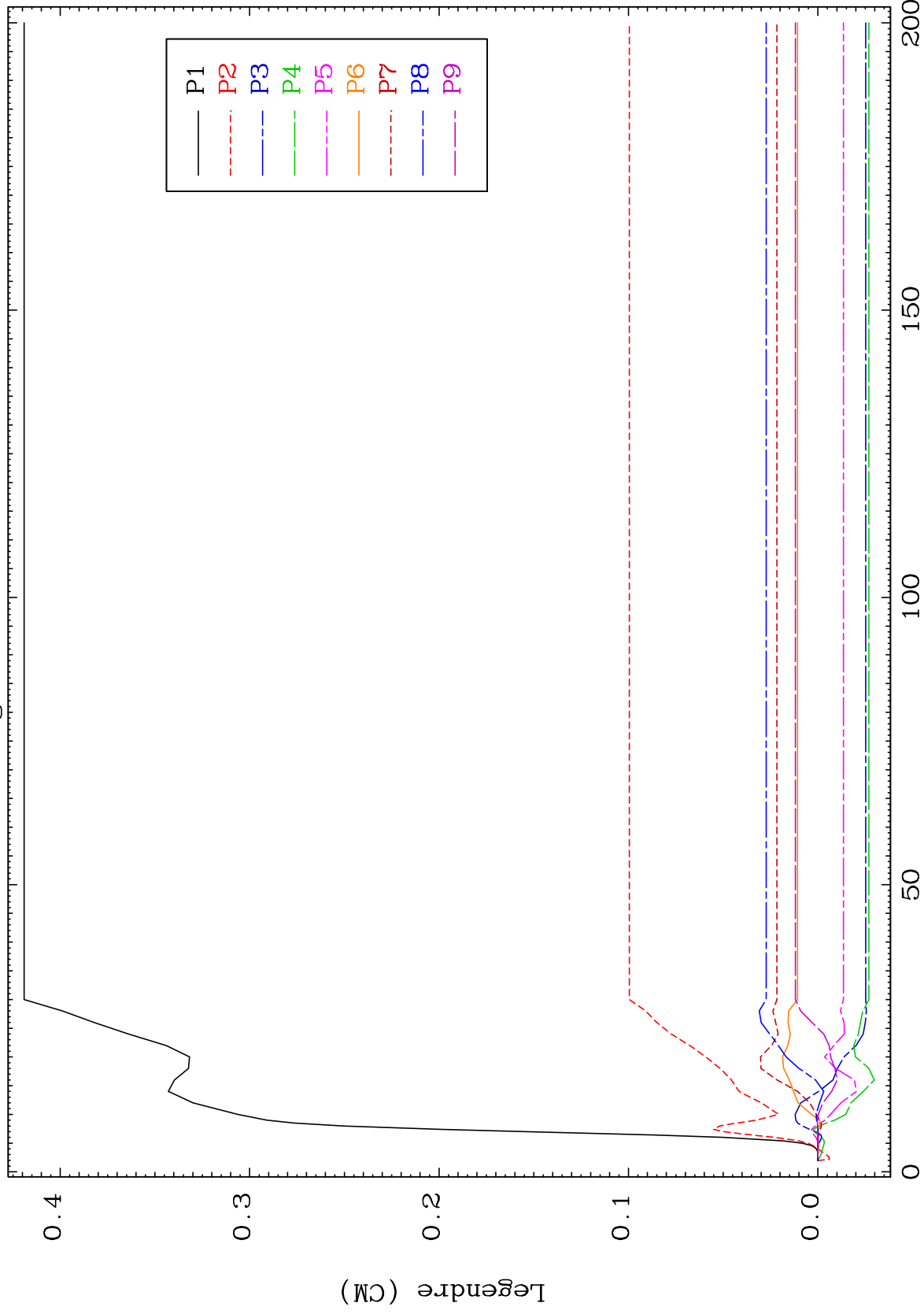
54-Xe-137



MAT 5464

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

54-Xe-137



98

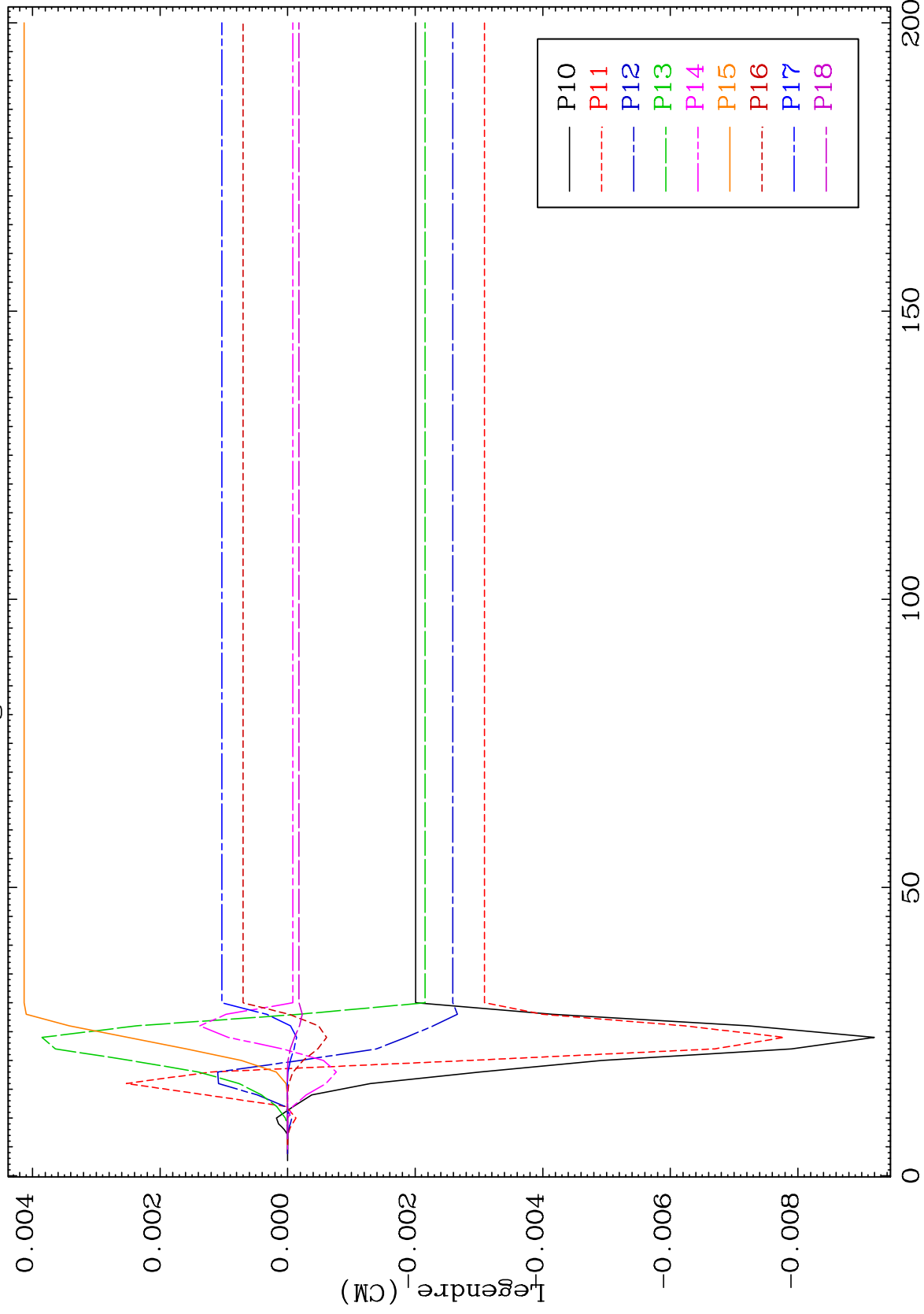
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



99

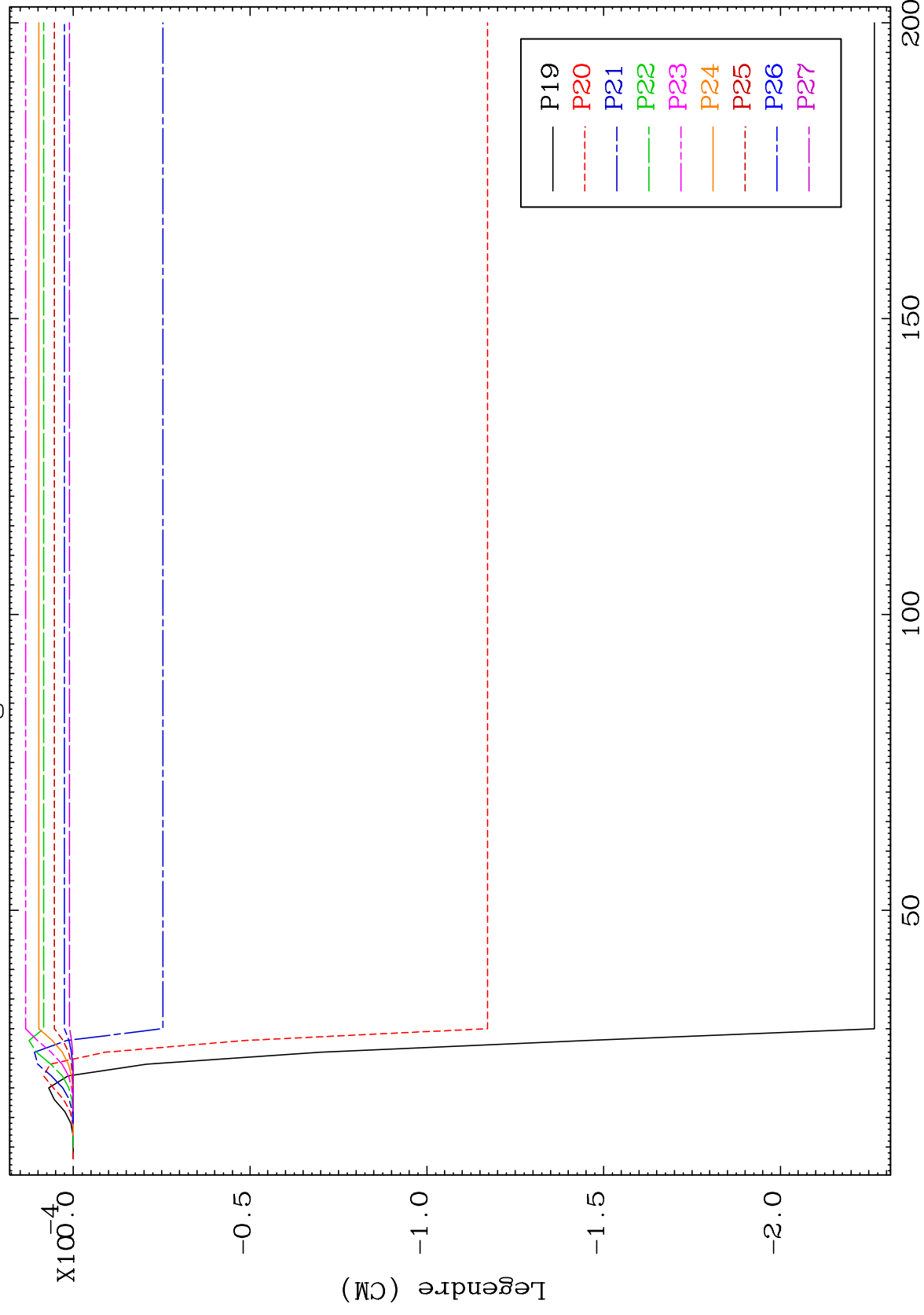
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



100

Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137

$\times 10^{-7}$

4

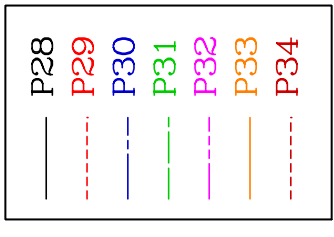
3

2

1

0

Legendre (CM)



50

100

150

200

101

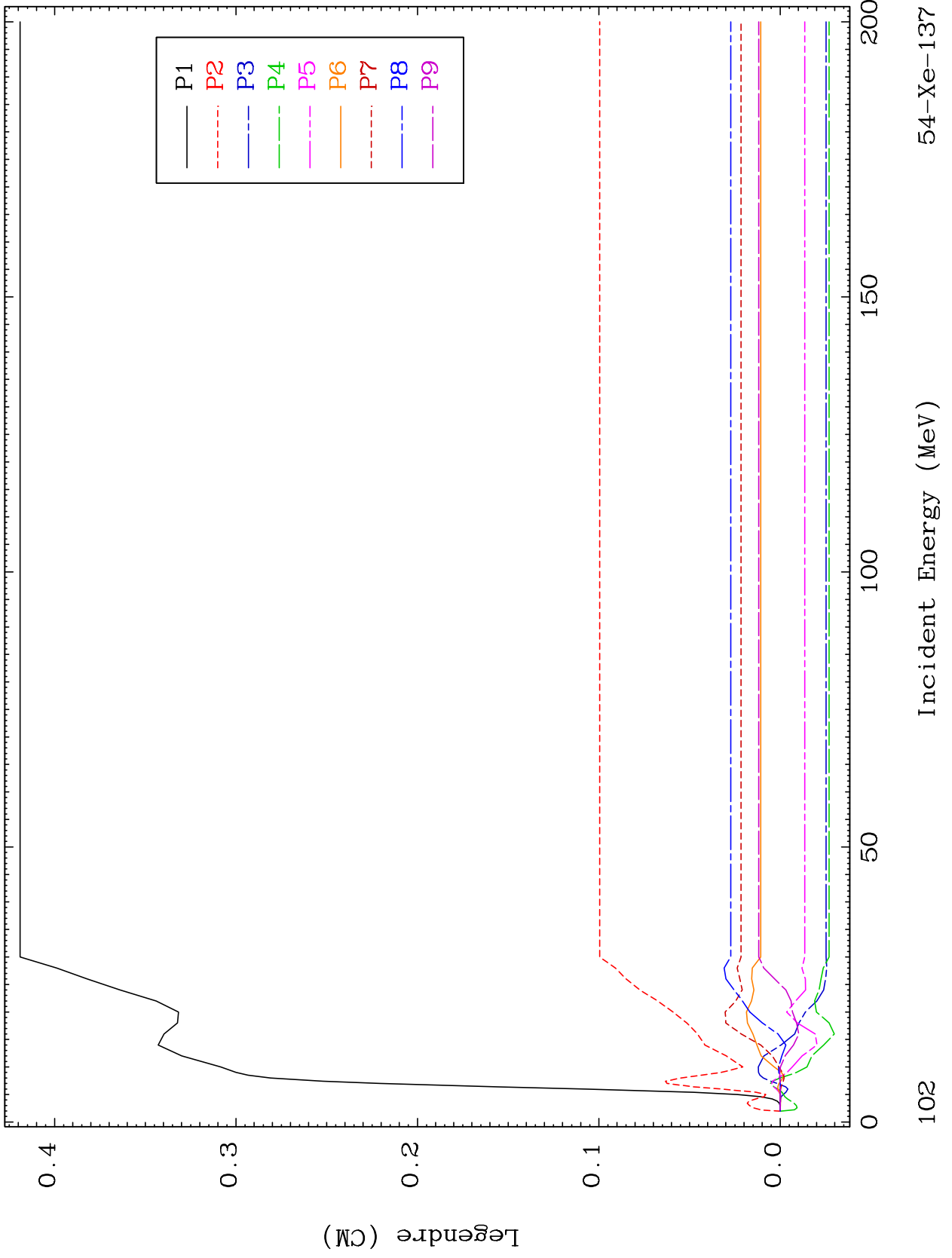
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



54-Xe-137

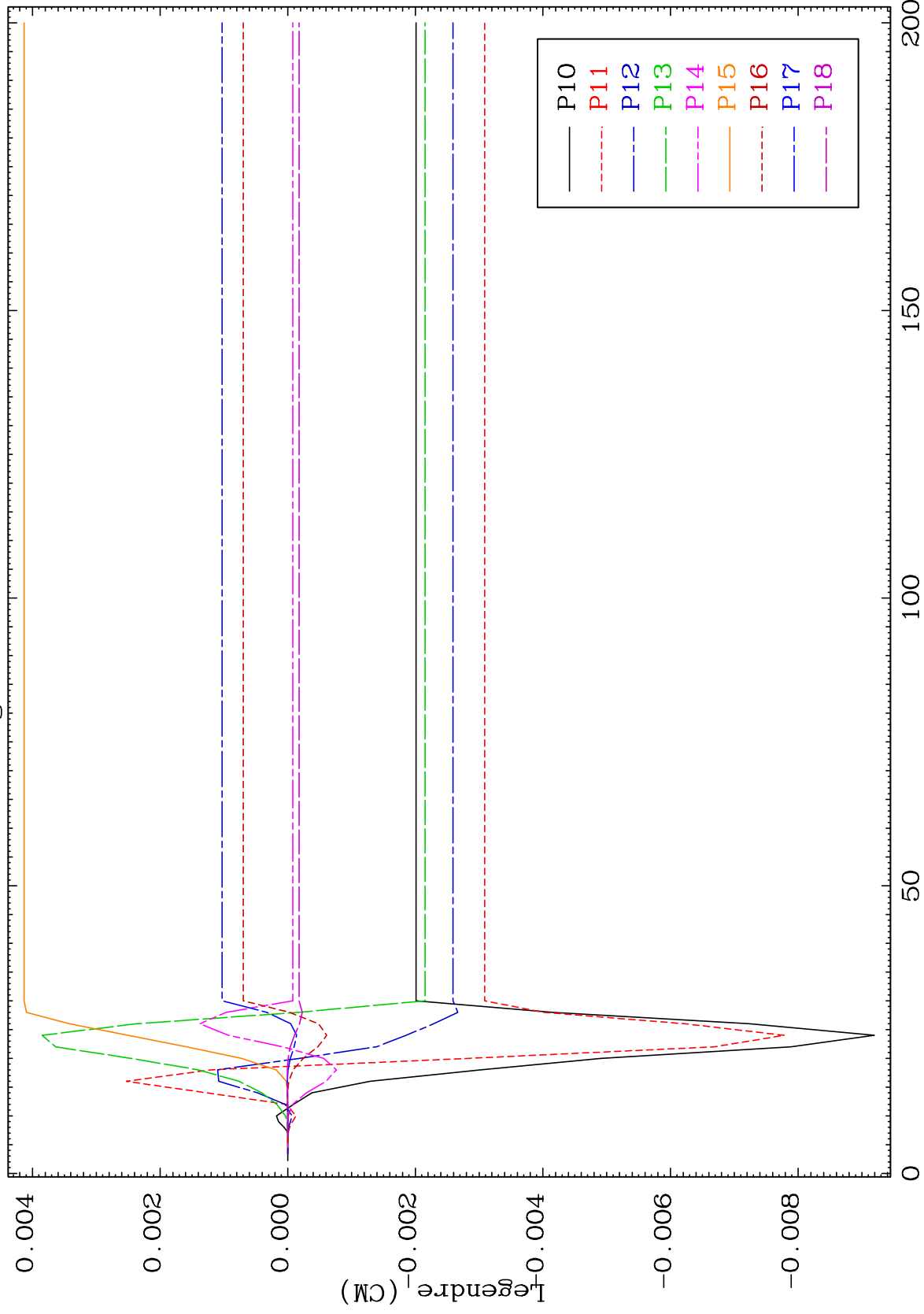
Incident Energy (MeV)

102

MAT 5464

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

54-Xe-137



103

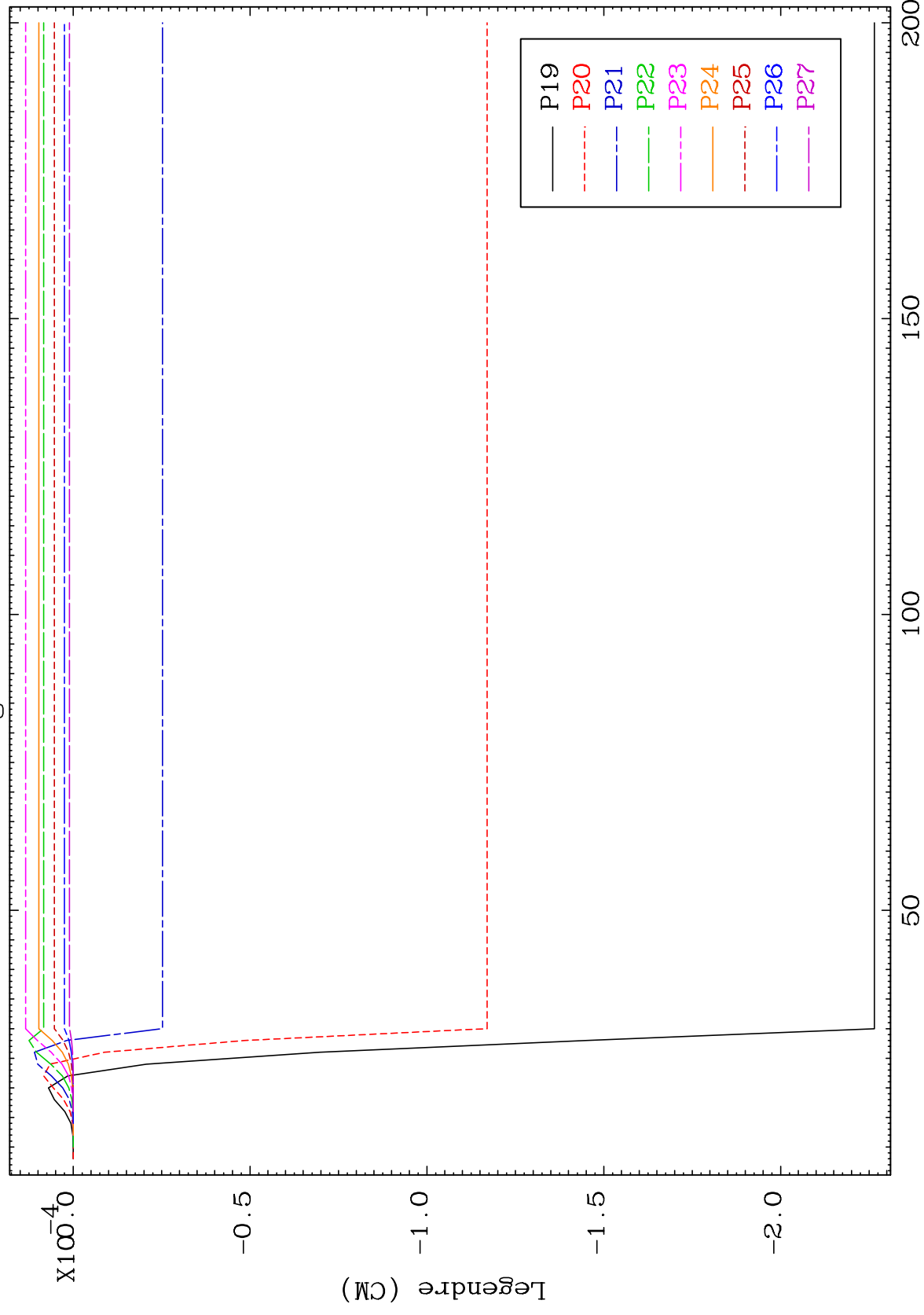
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



104

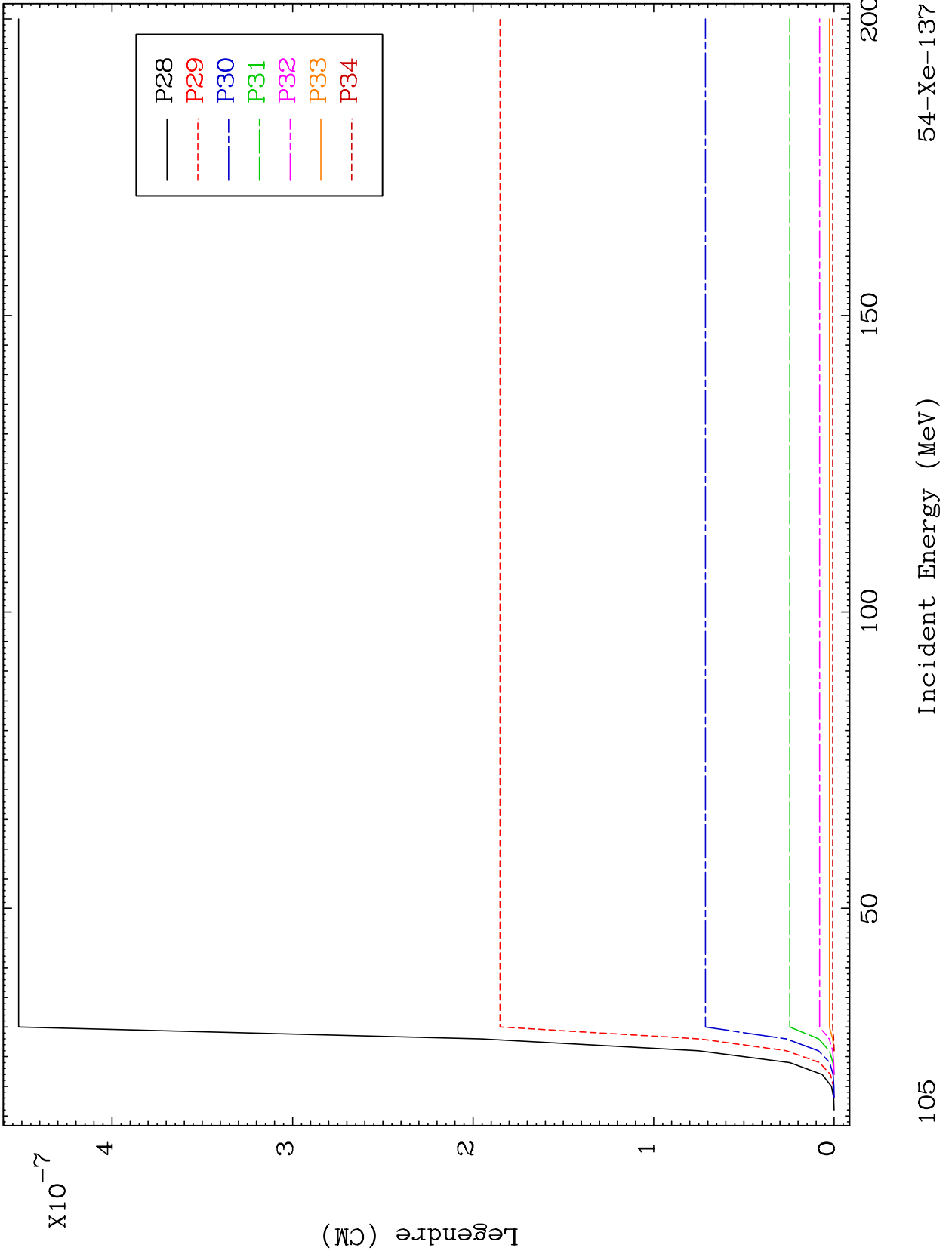
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

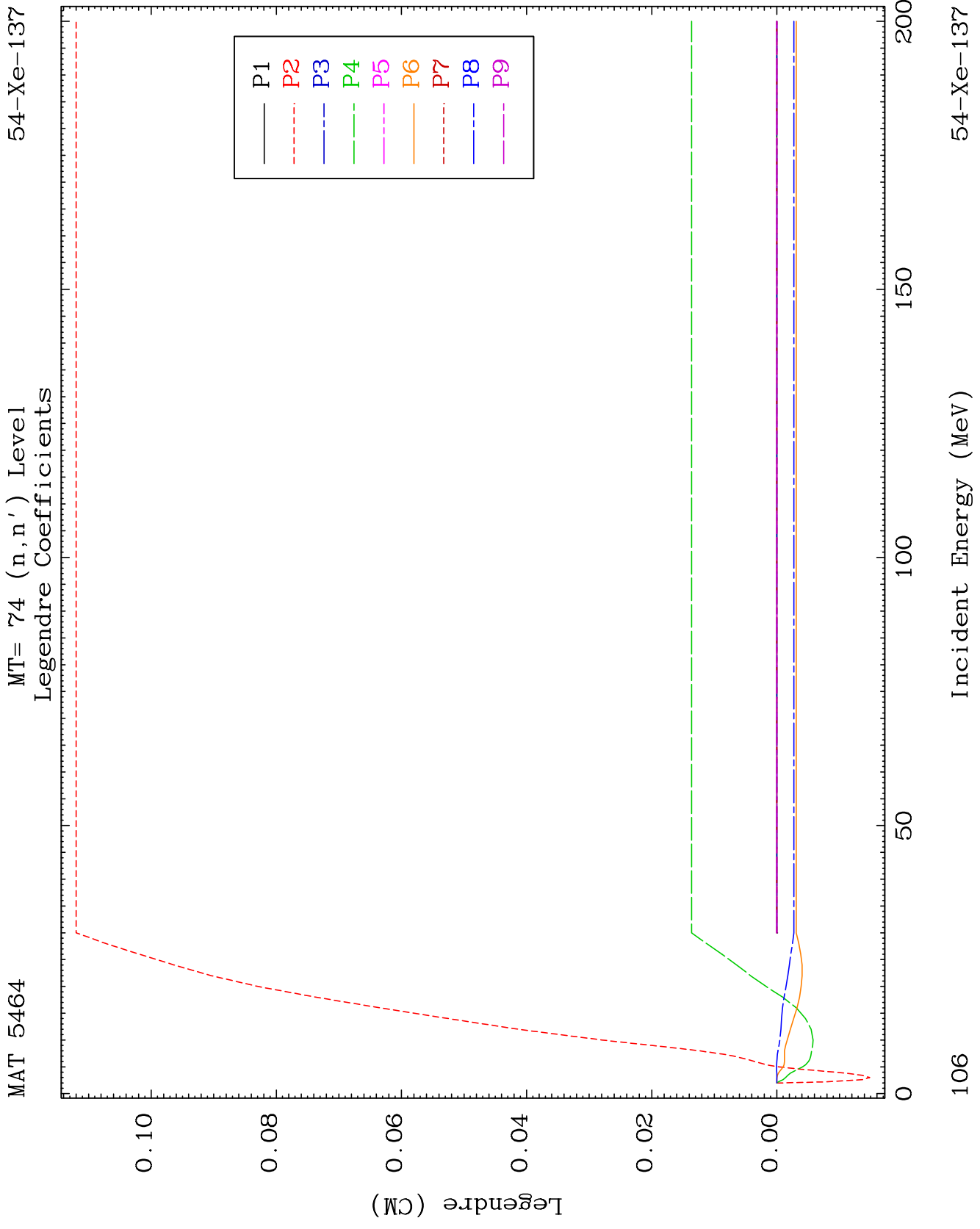
54-Xe-137



54-Xe-137

Incident Energy (MeV)

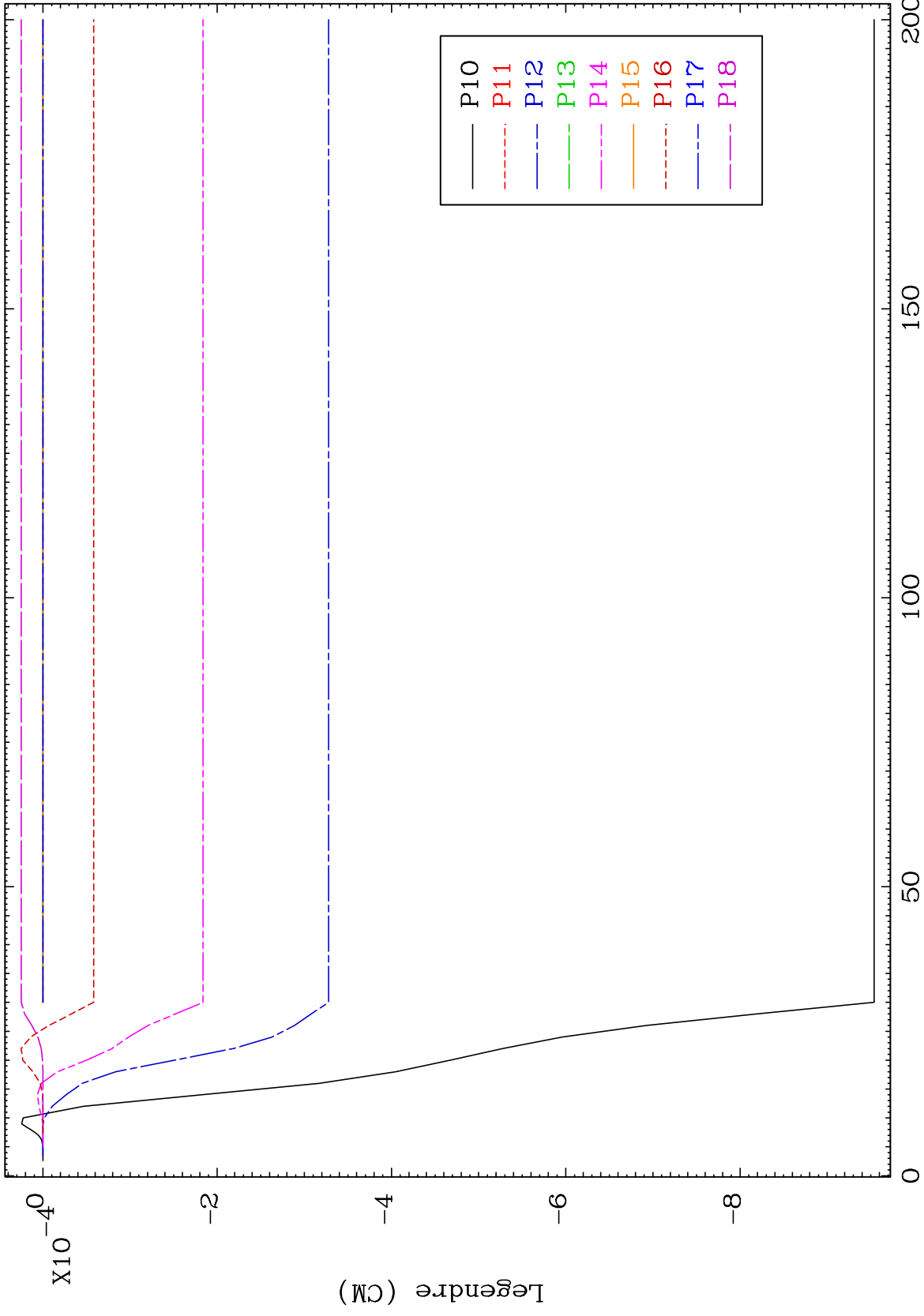
105



MAT 5464

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

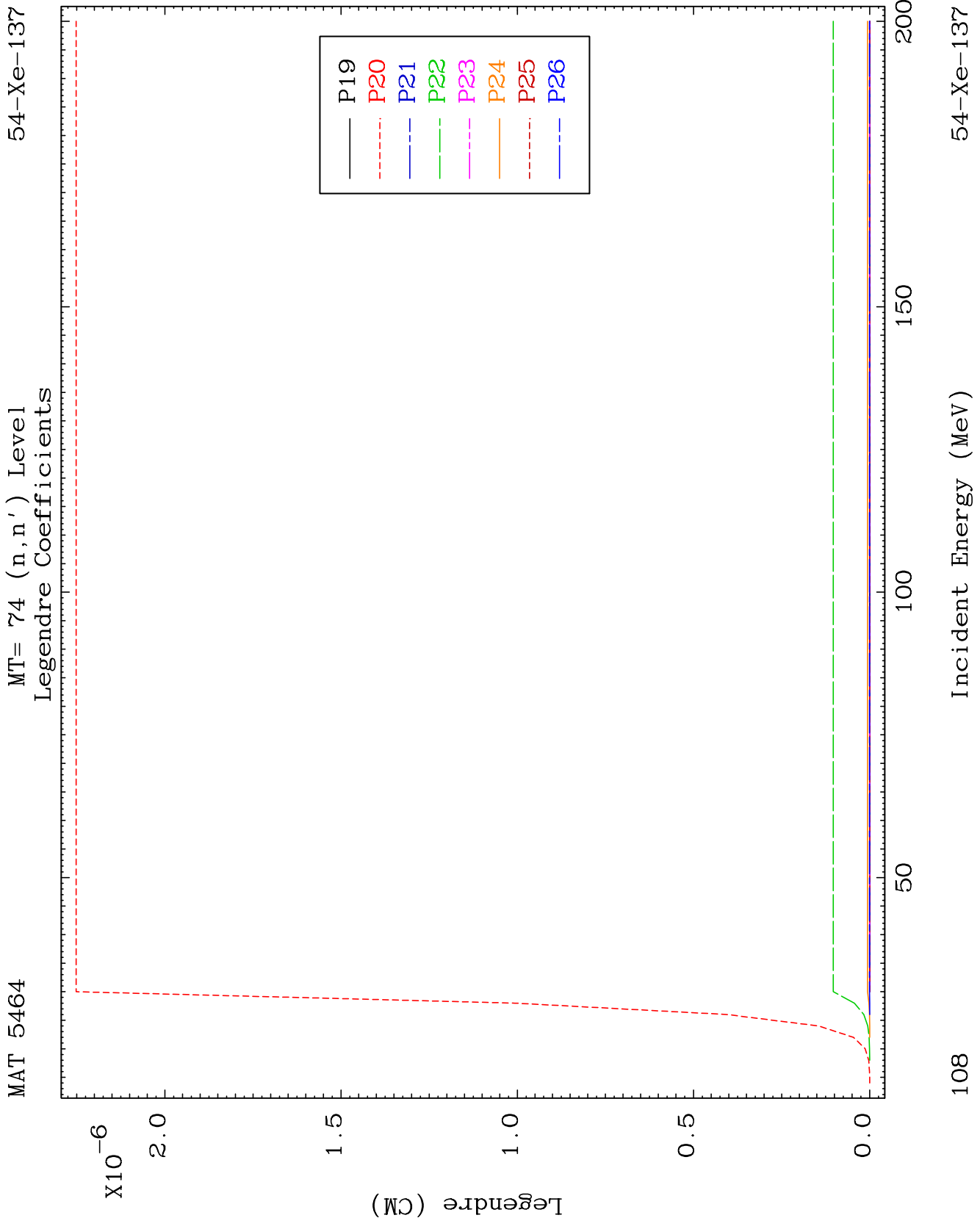
54-Xe-137



107

Incident Energy (MeV)

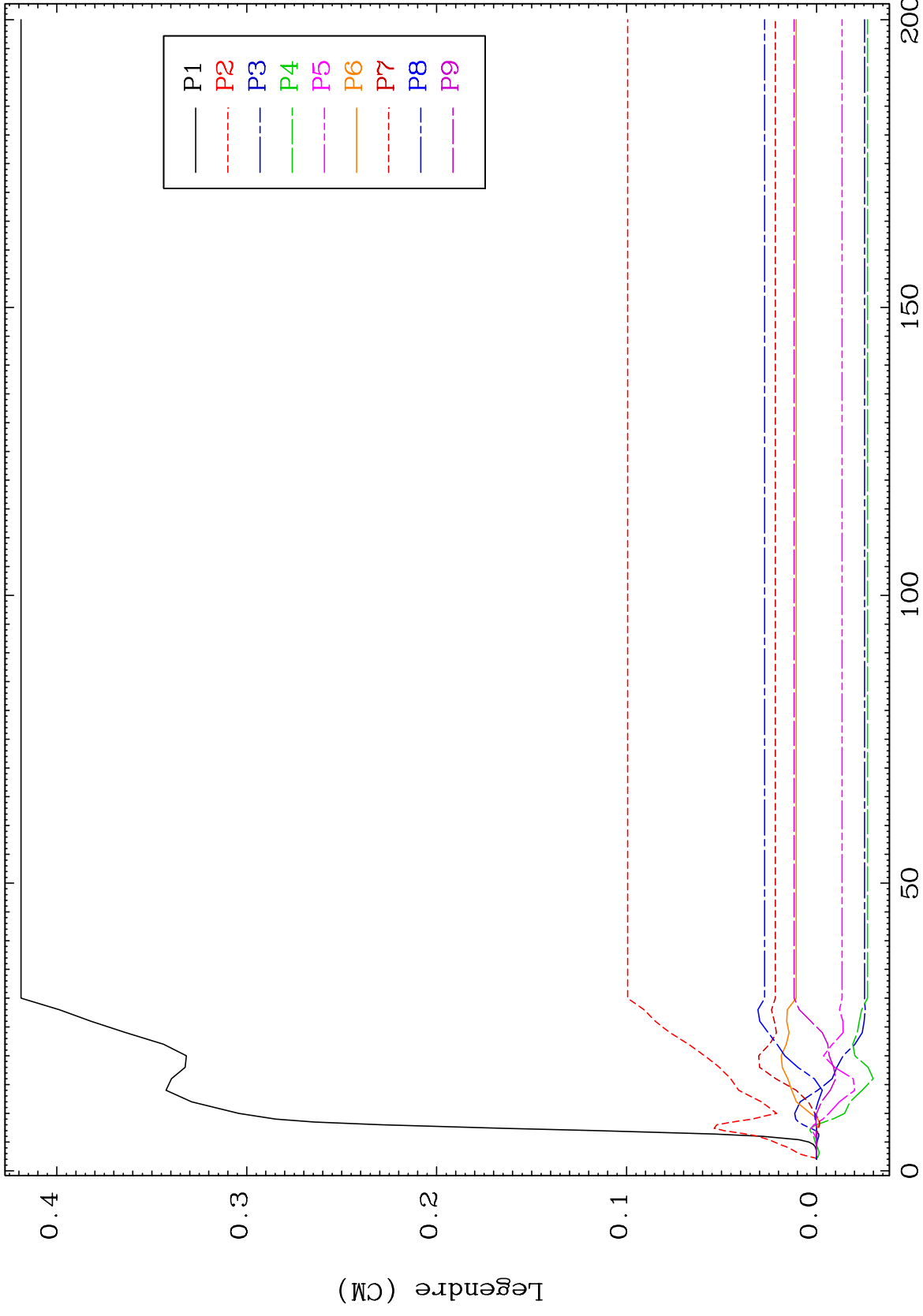
54-Xe-137



MAT 5464

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

54-Xe-137



109

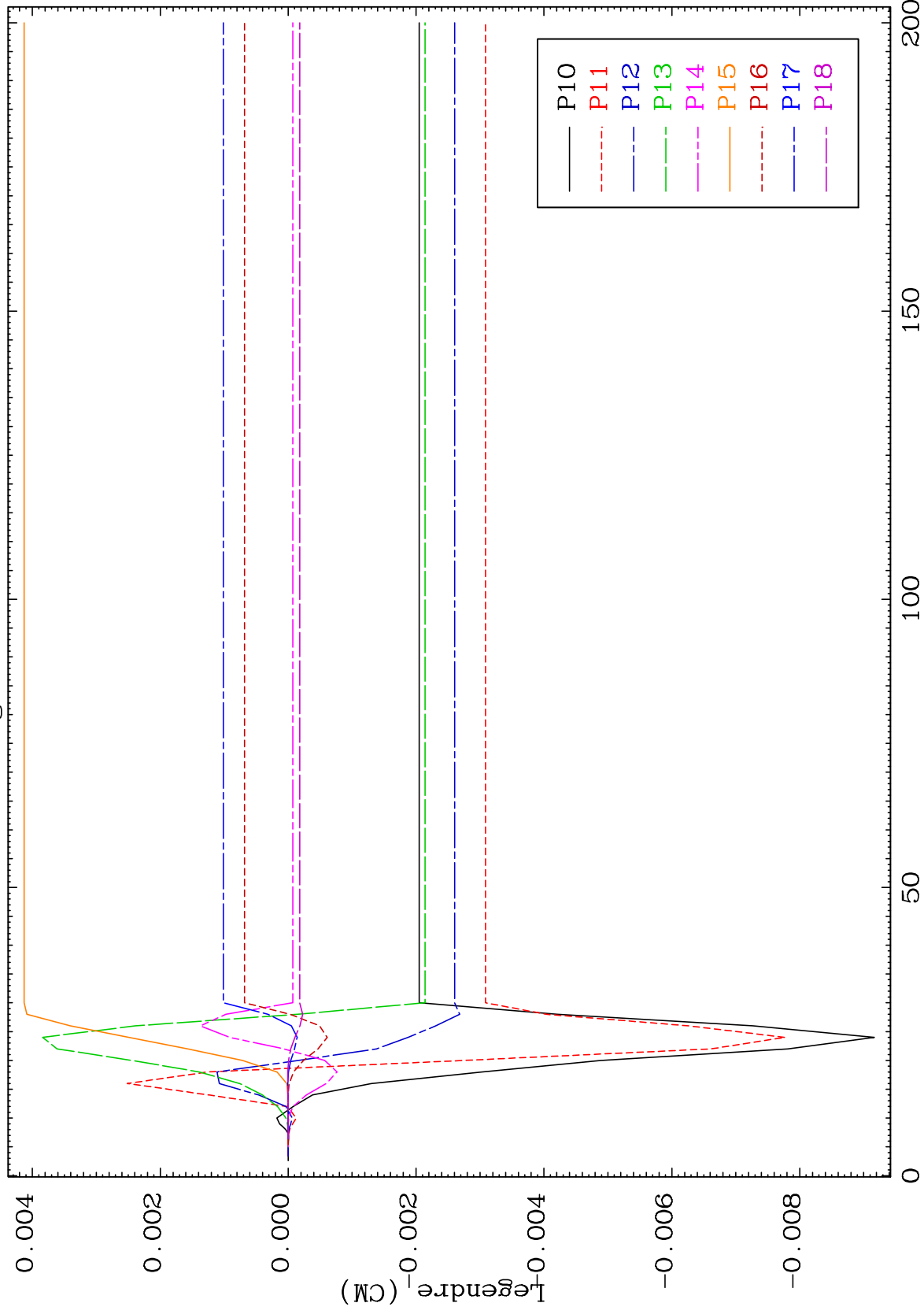
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



110

Incident Energy (MeV)

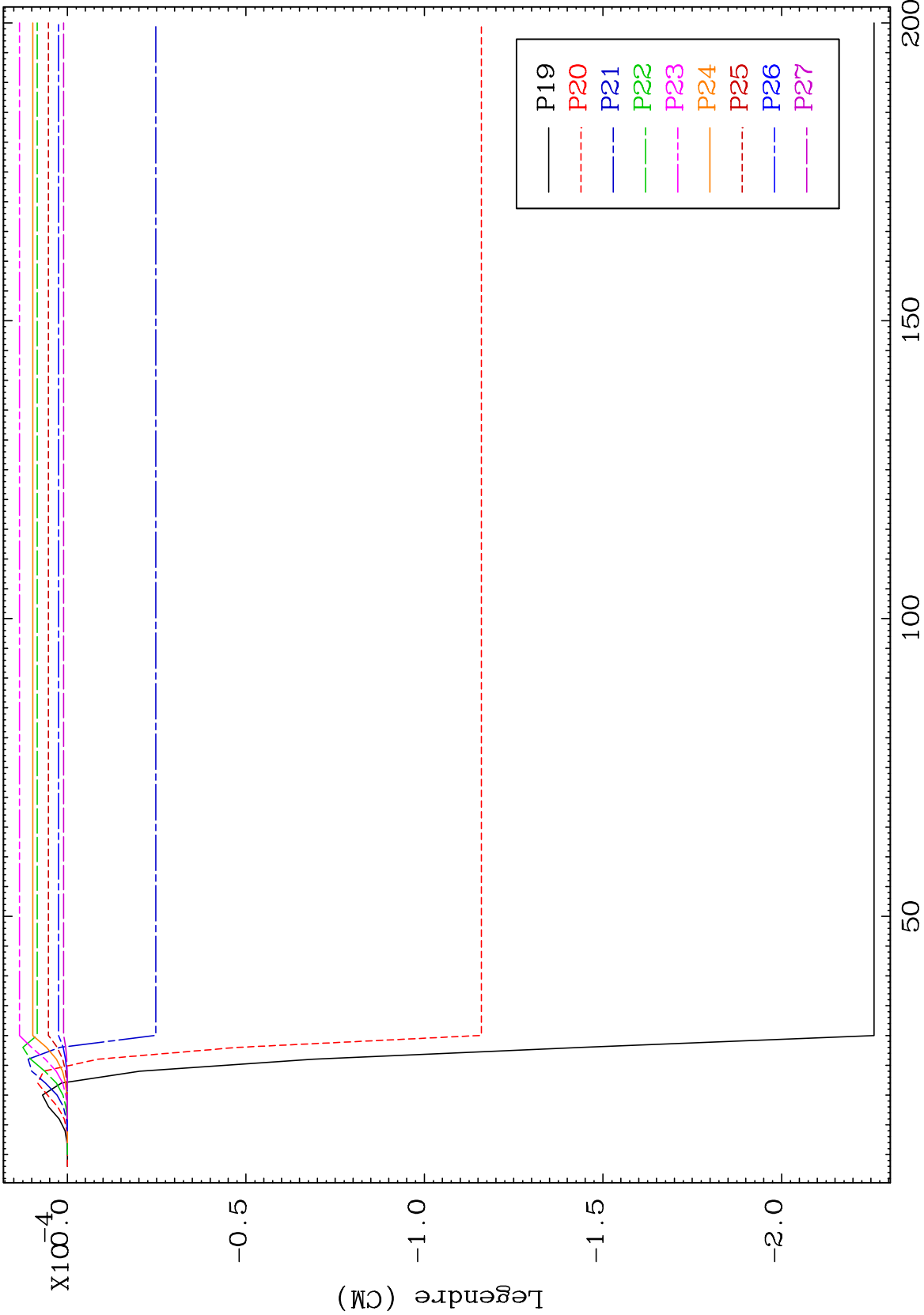
54-Xe-137

MAT 5464

MT= 75 (n,n') Level

54-Xe-137

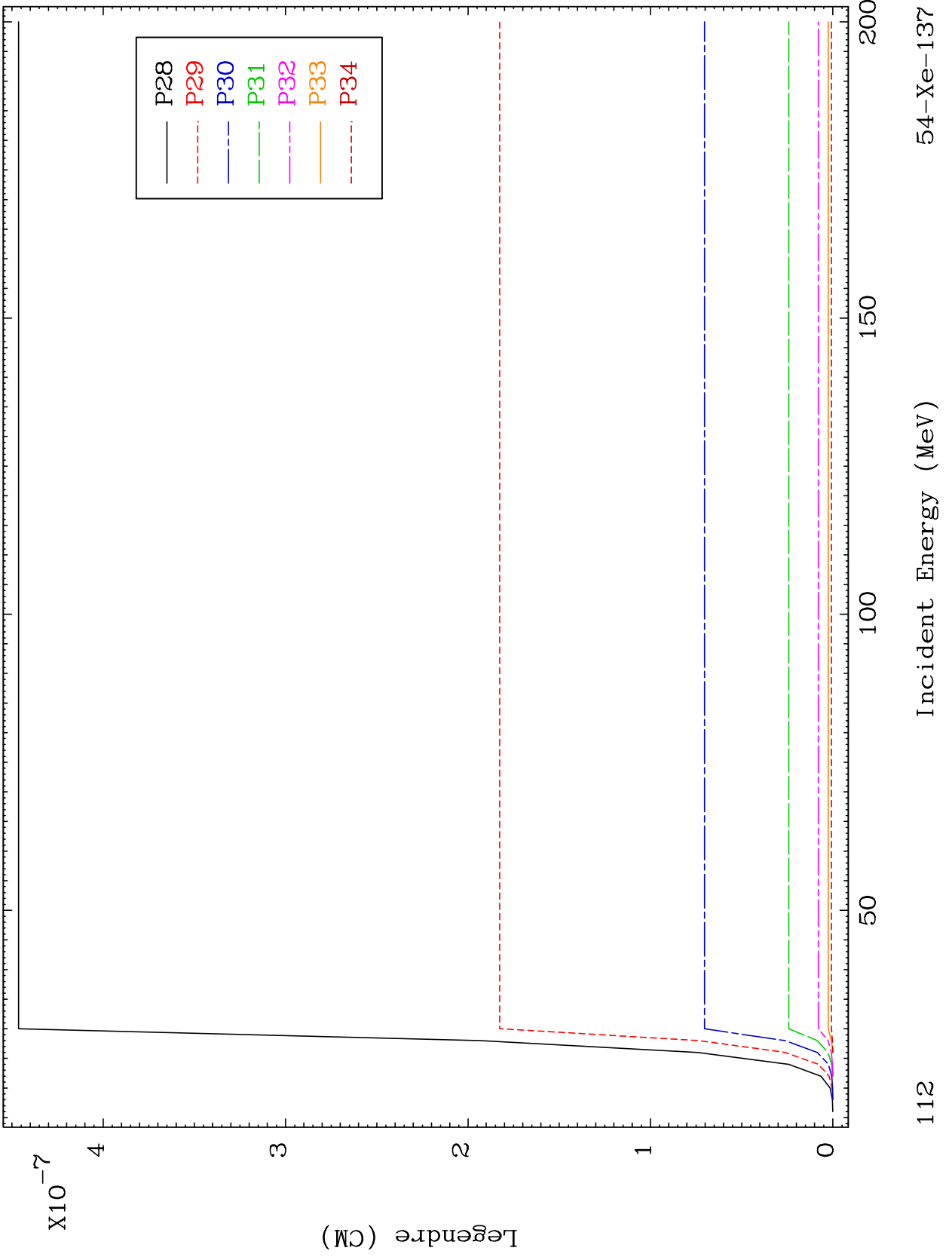
Legendre Coefficients



MAT 5464

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

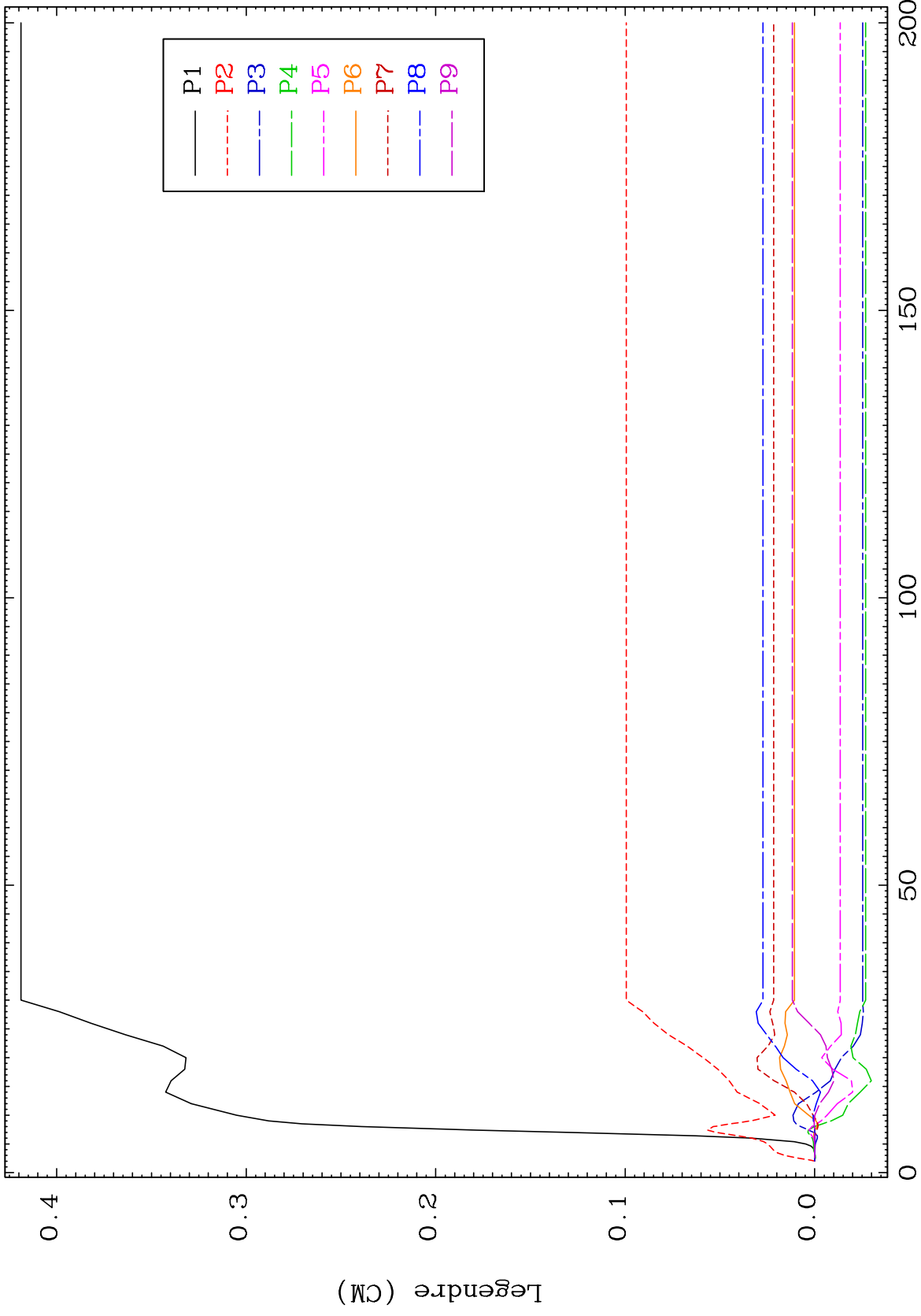
54-Xe-137



MAT 5464

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

54-Xe-137



113

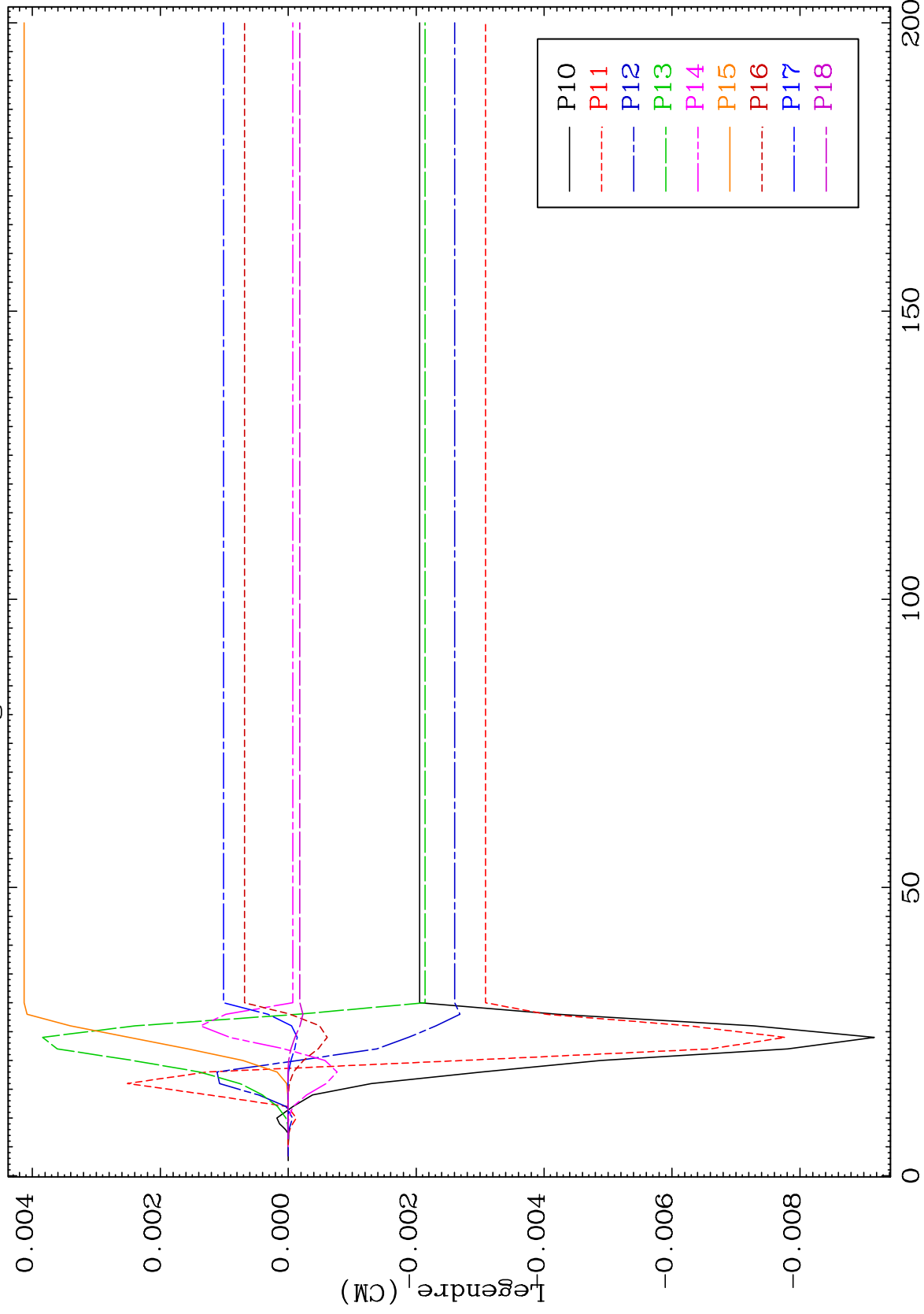
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



114

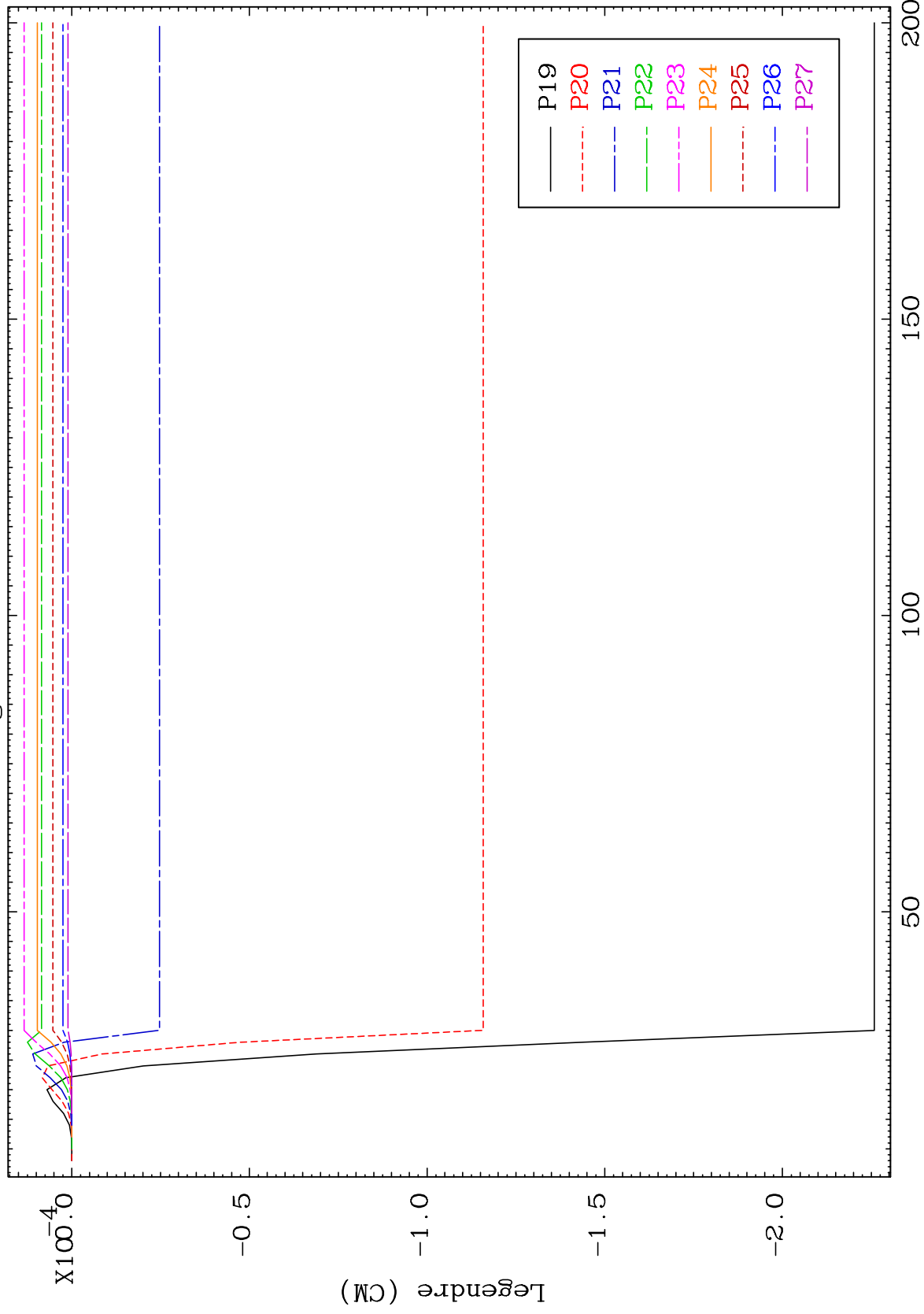
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



115

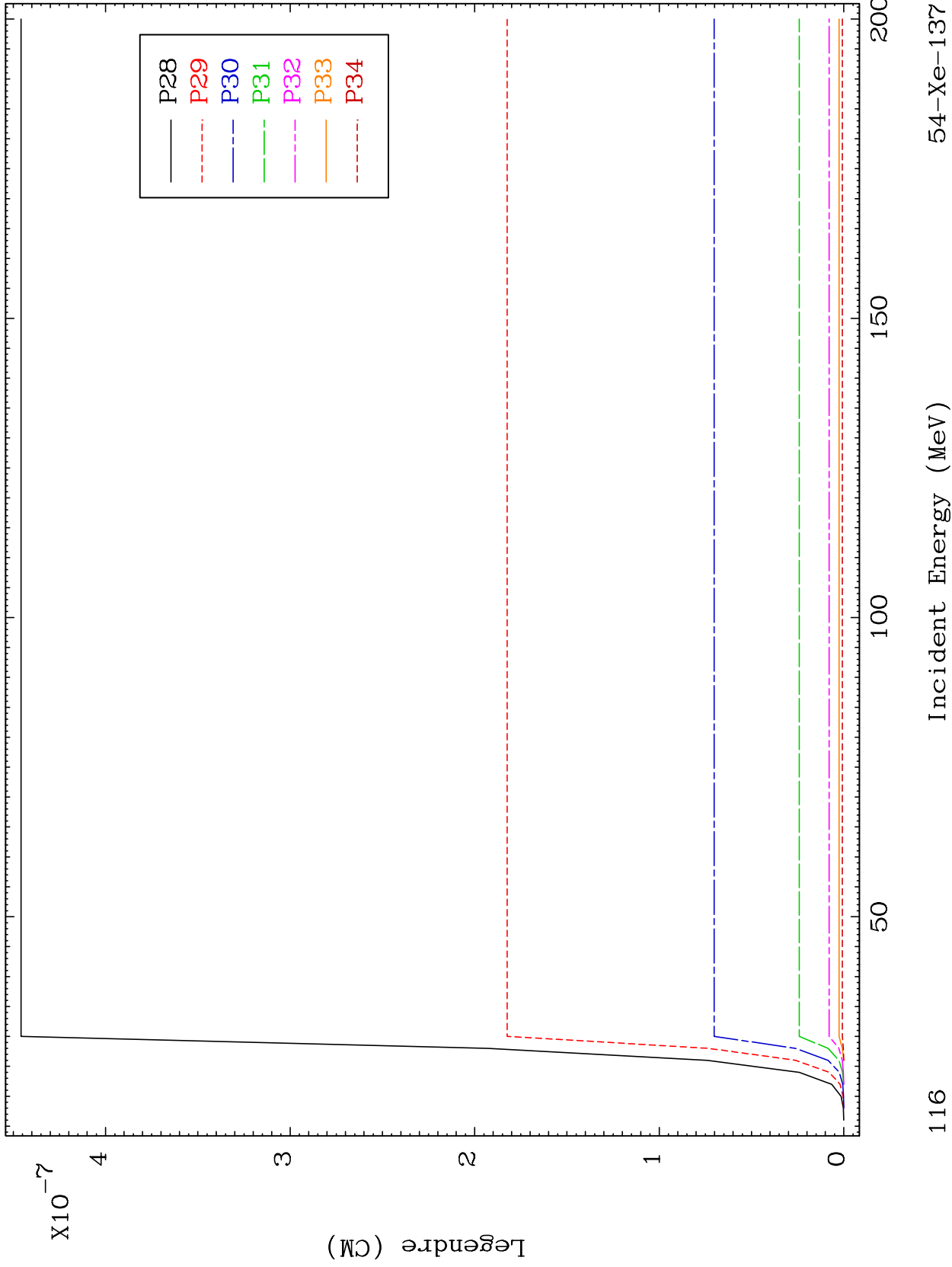
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

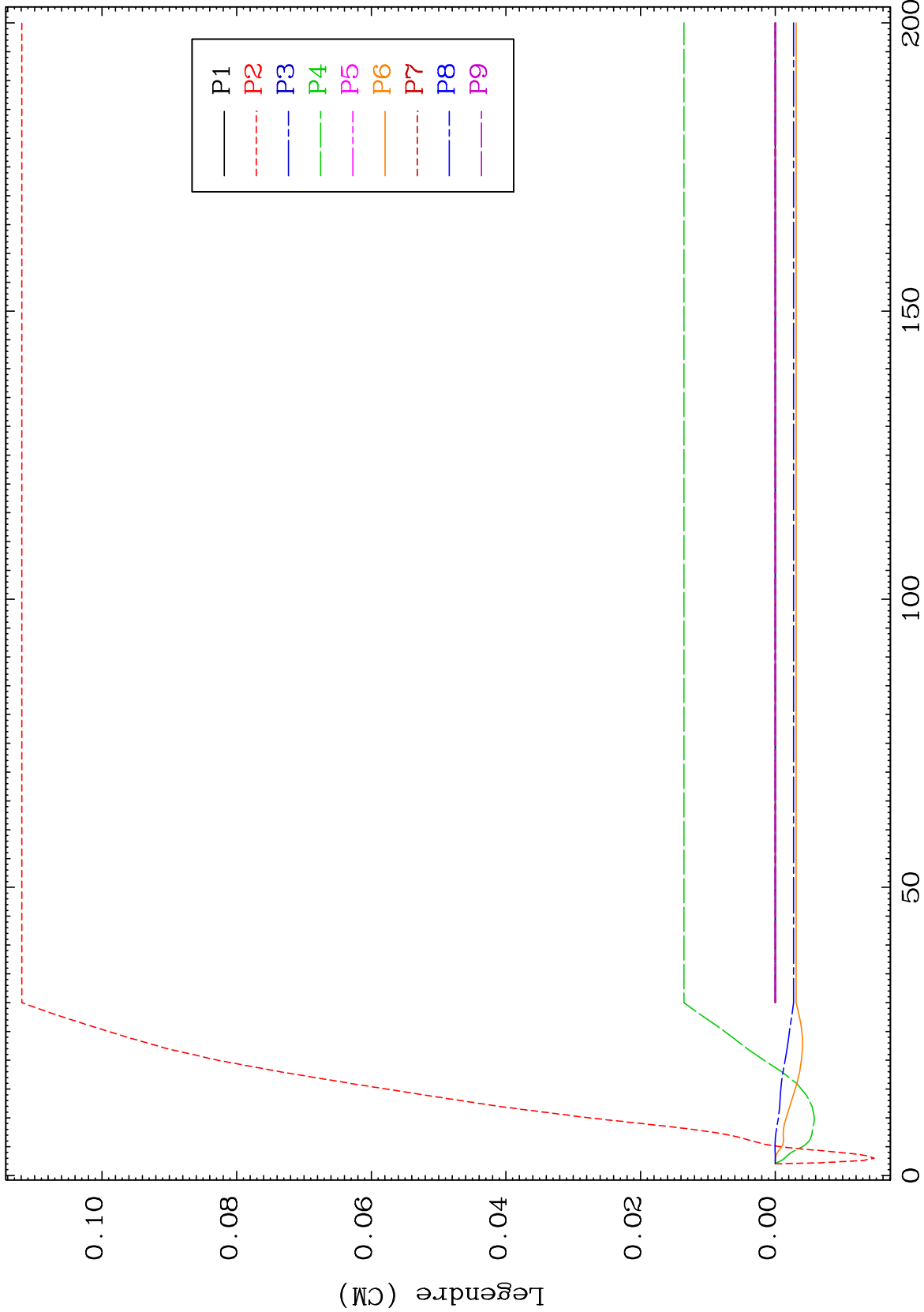
54-Xe-137



MAT 5464

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

54-Xe-137



117

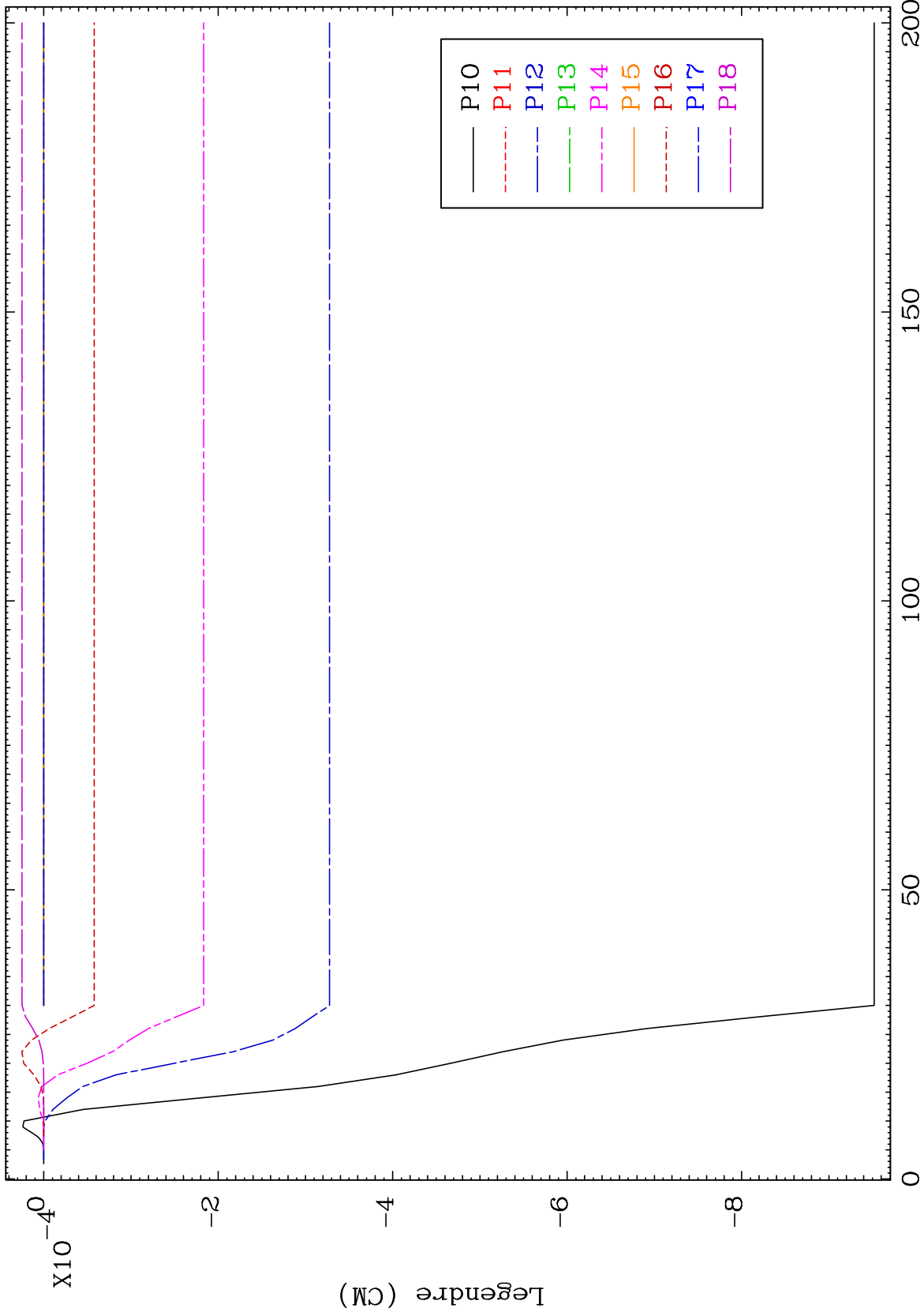
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



118

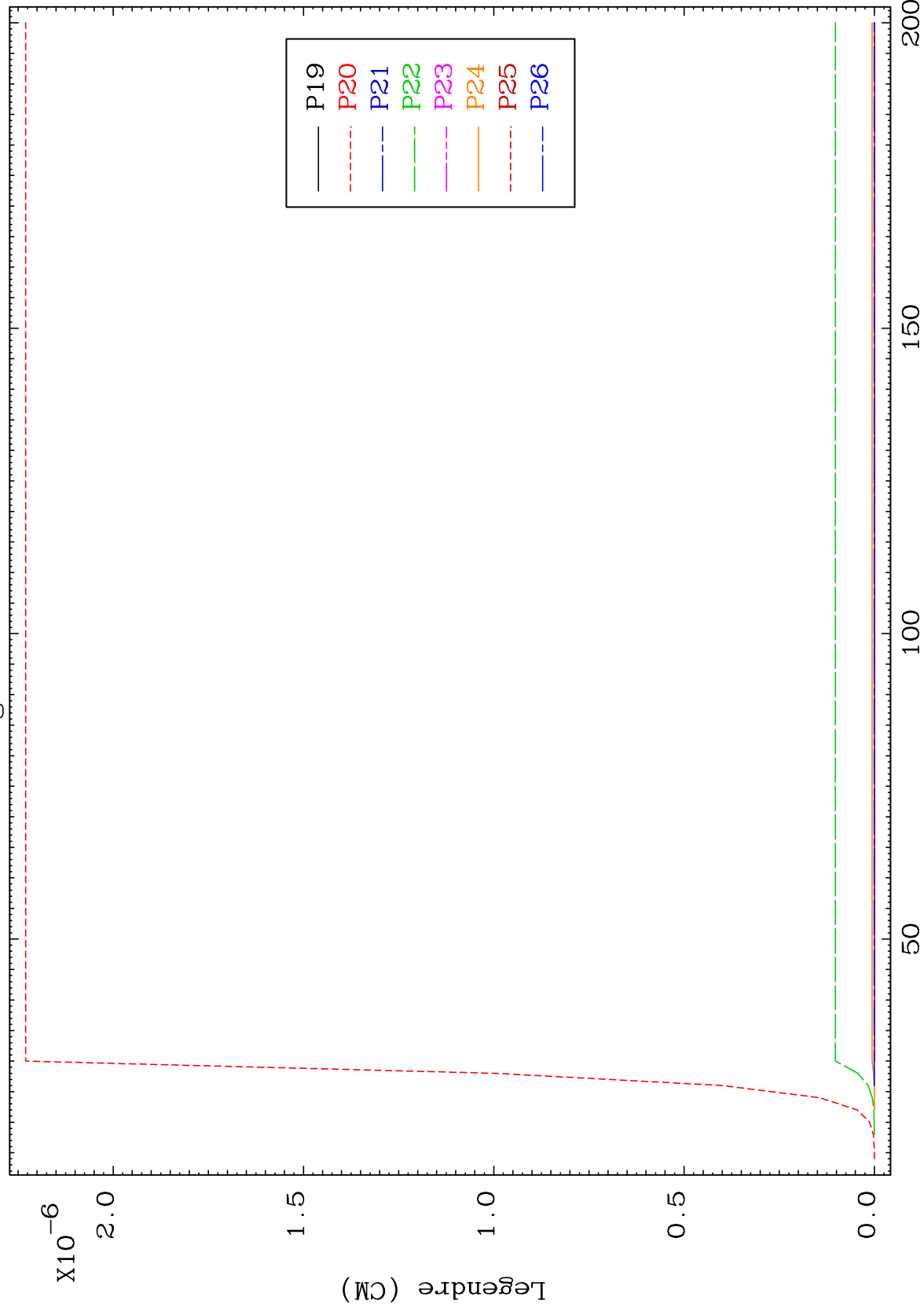
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137



119

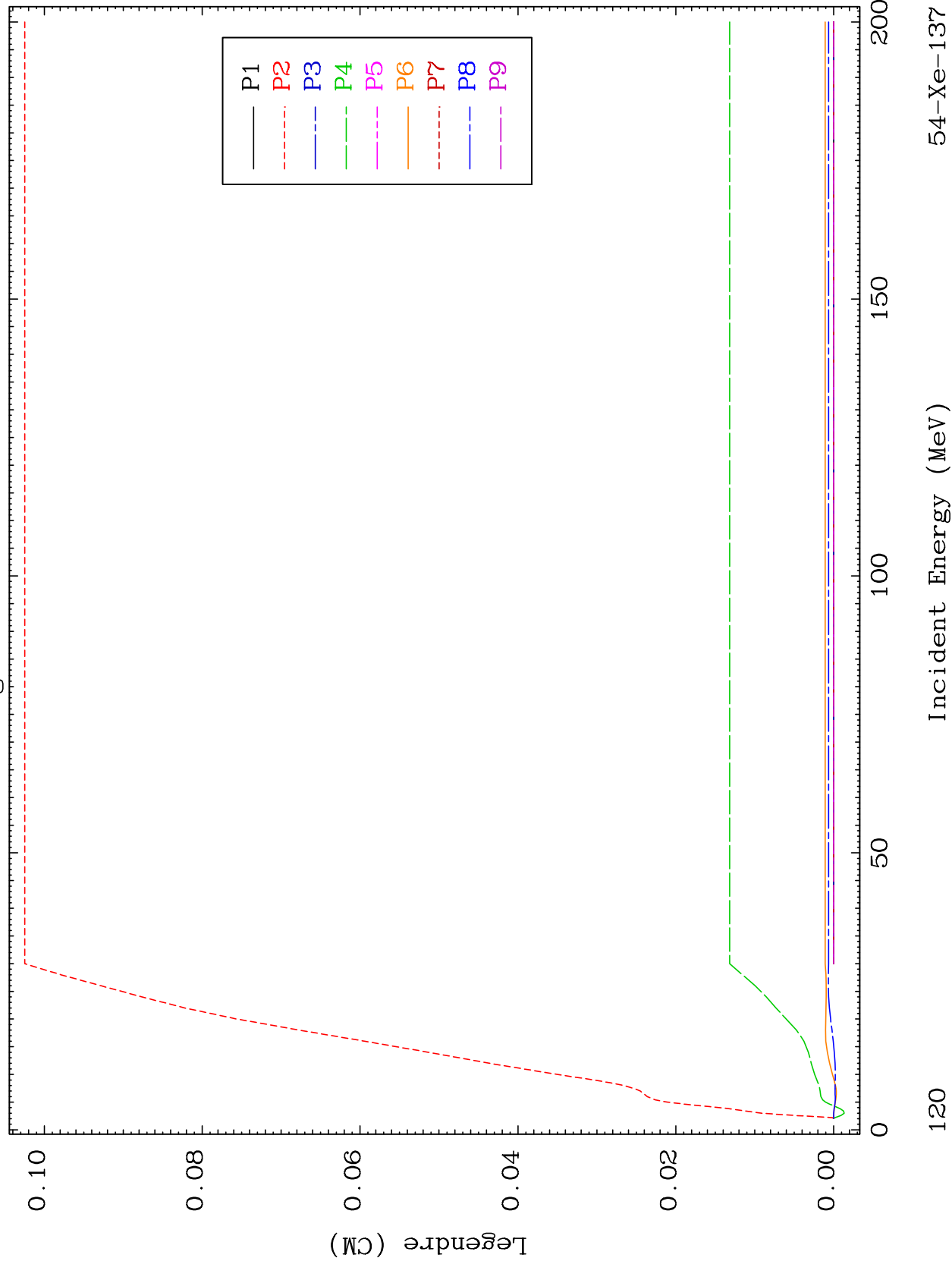
Incident Energy (MeV)

54-Xe-137

MAT 5464

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

54-Xe-137

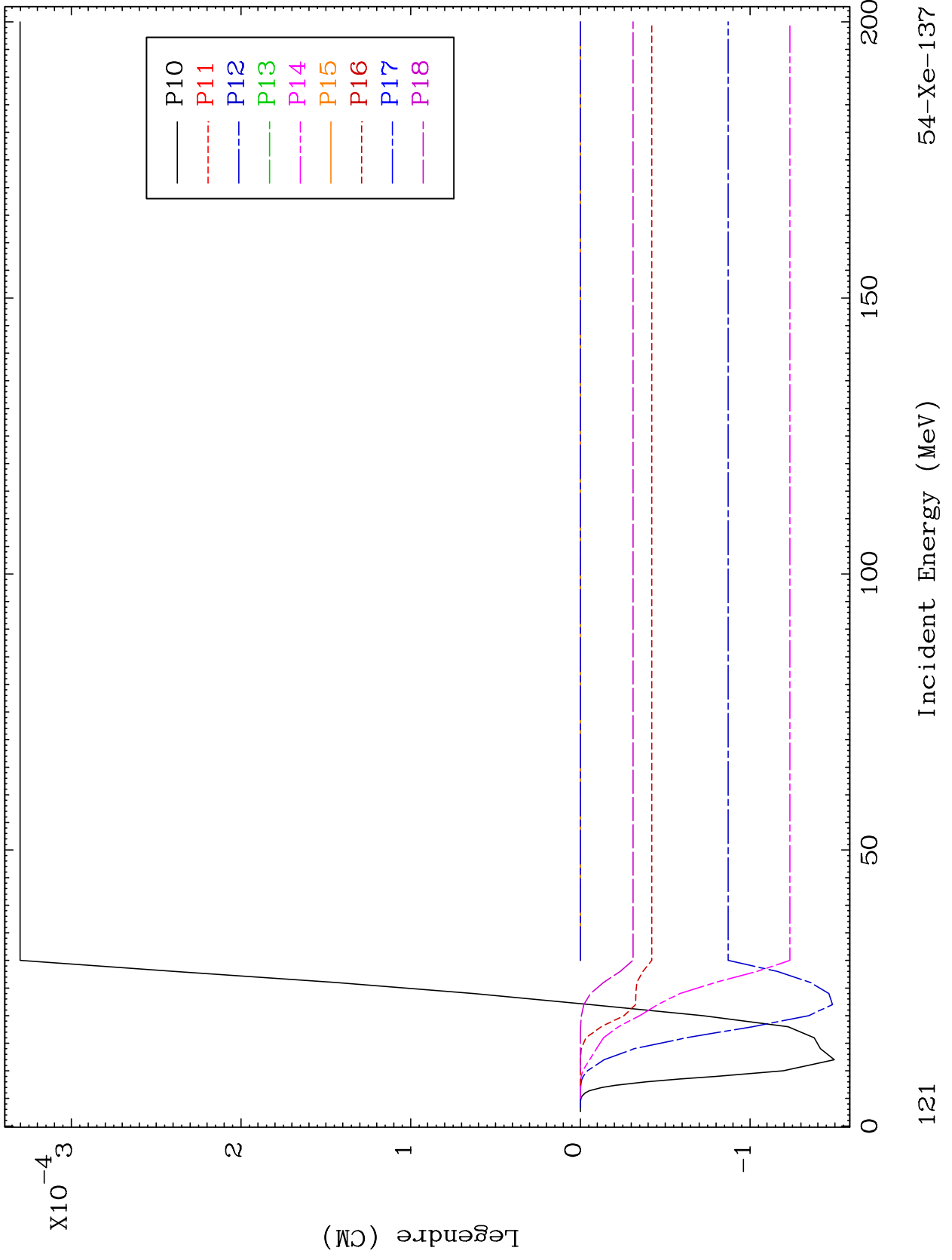


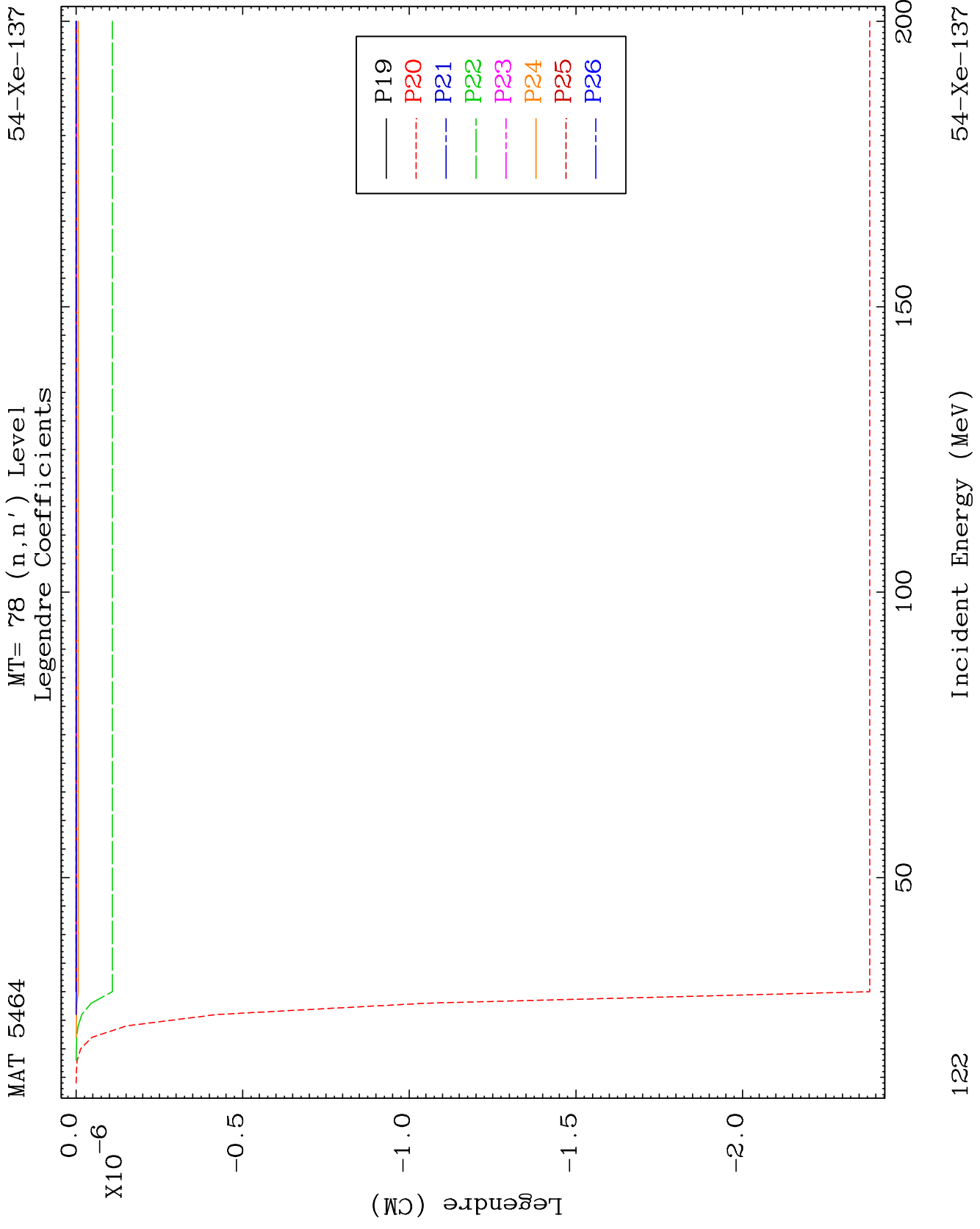
54-Xe-137

MAT 5464

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

54-Xe-137

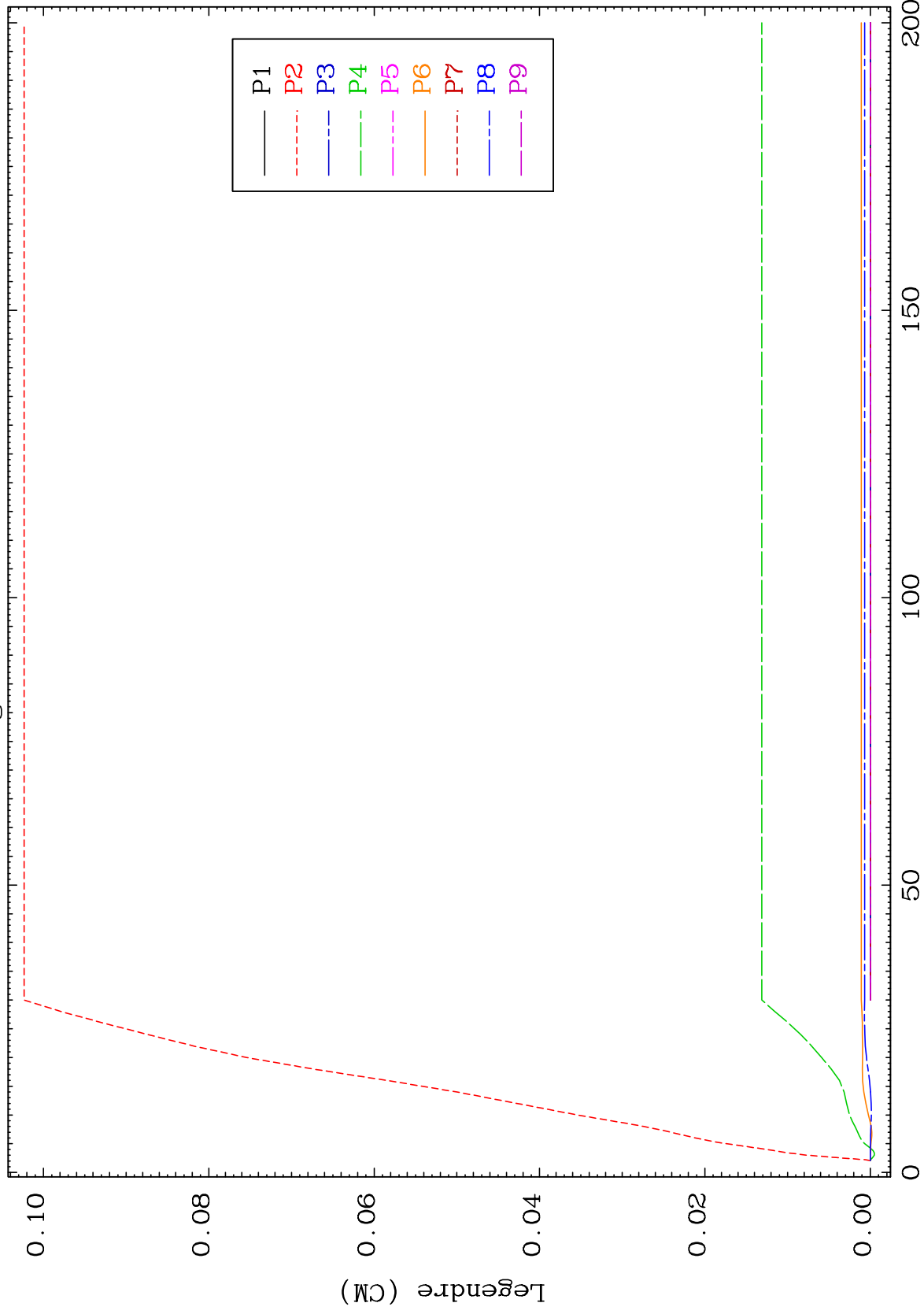




MAT 5464

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

54-Xe-137



54-Xe-137

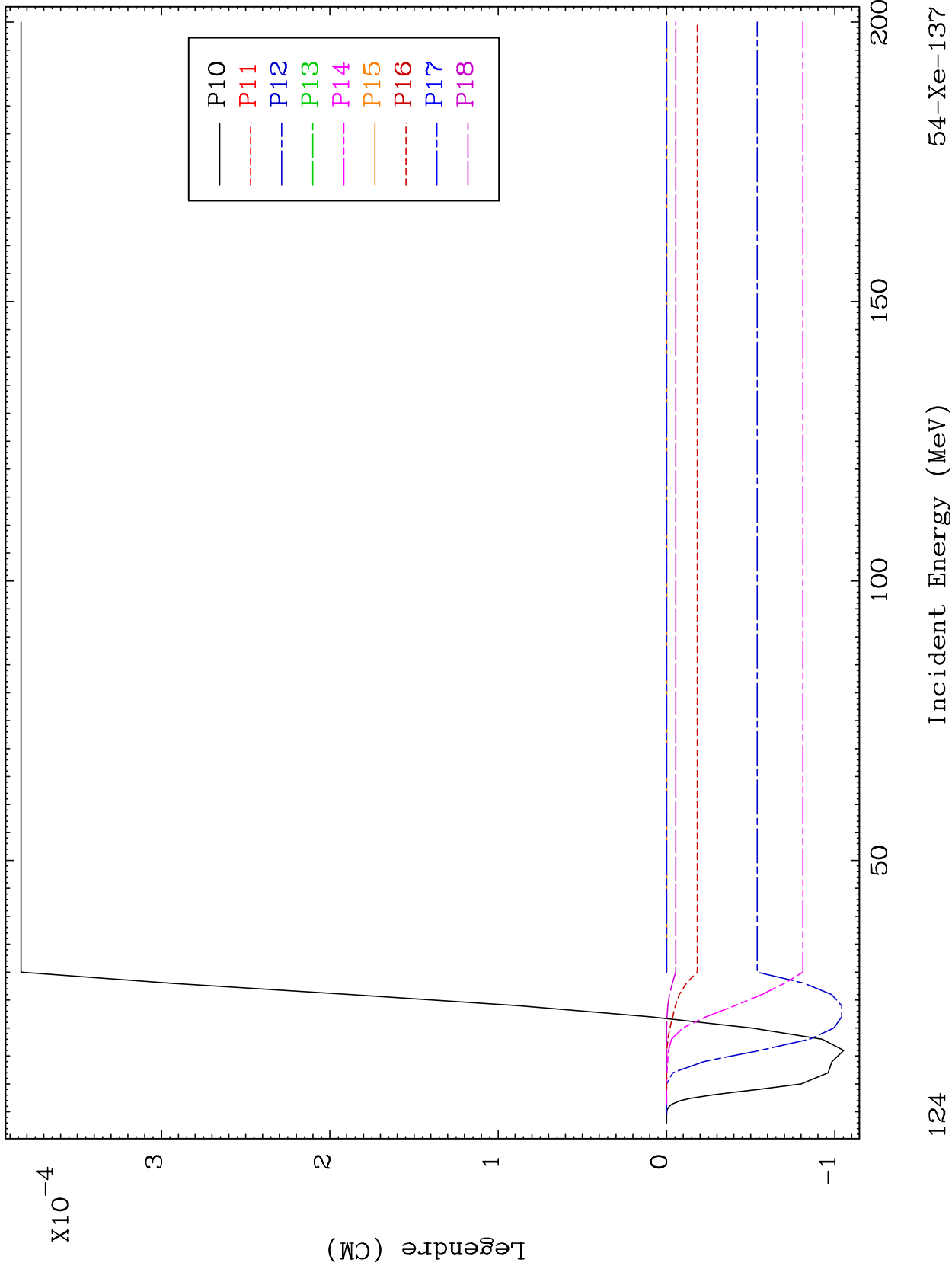
Incident Energy (MeV)

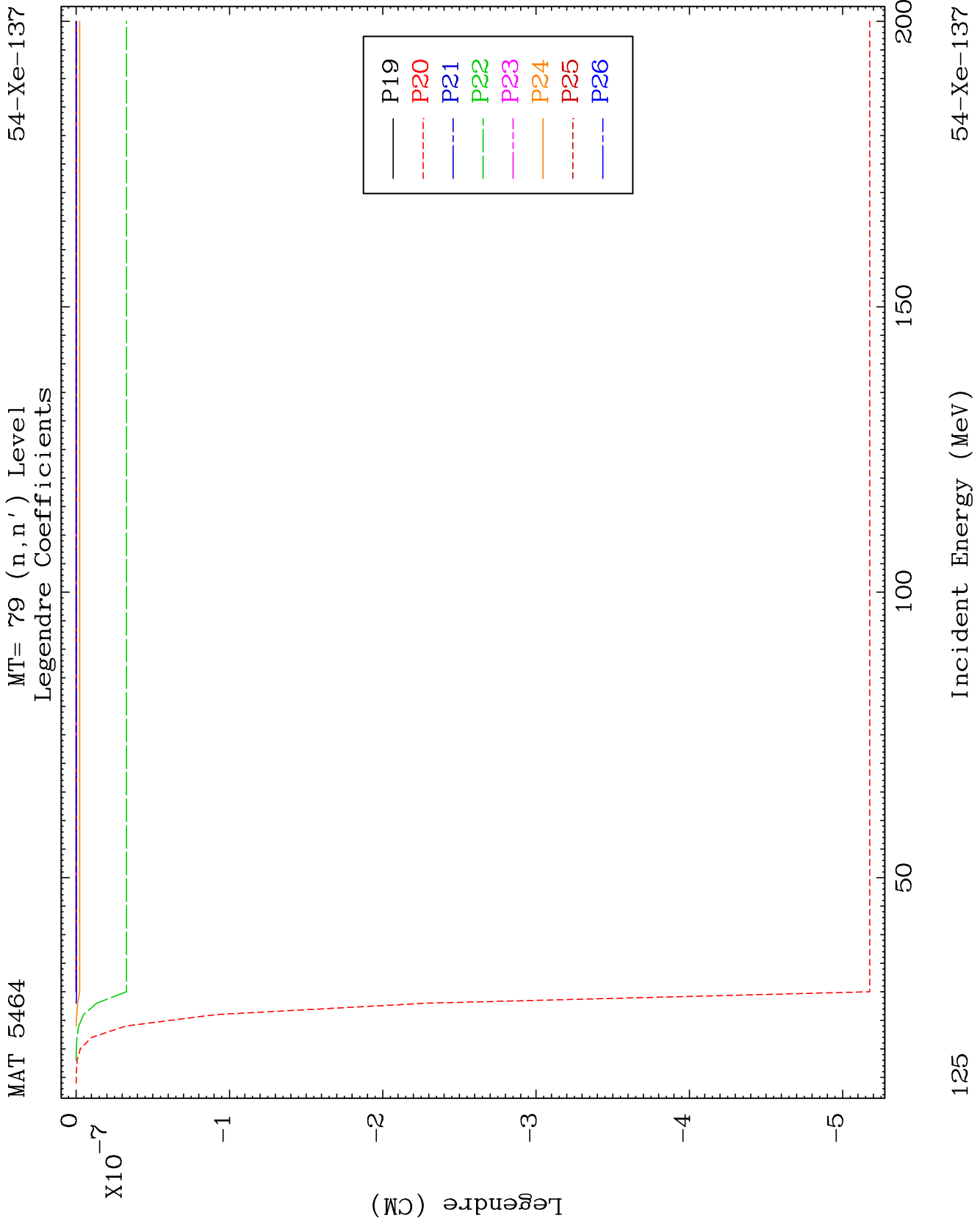
123

MAT 5464

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

54-Xe-137

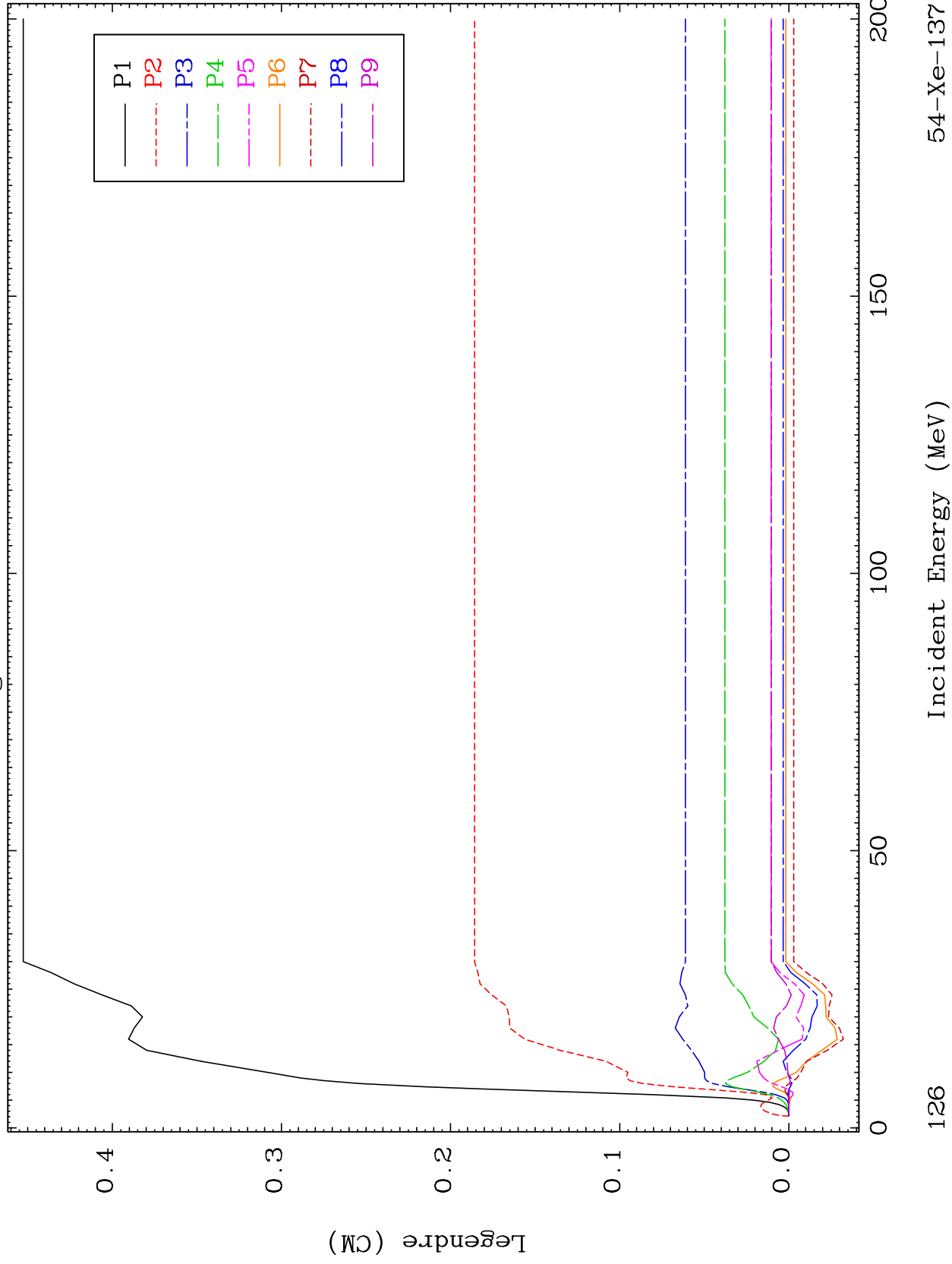




MAT 5464

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

54-Xe-137



54-Xe-137

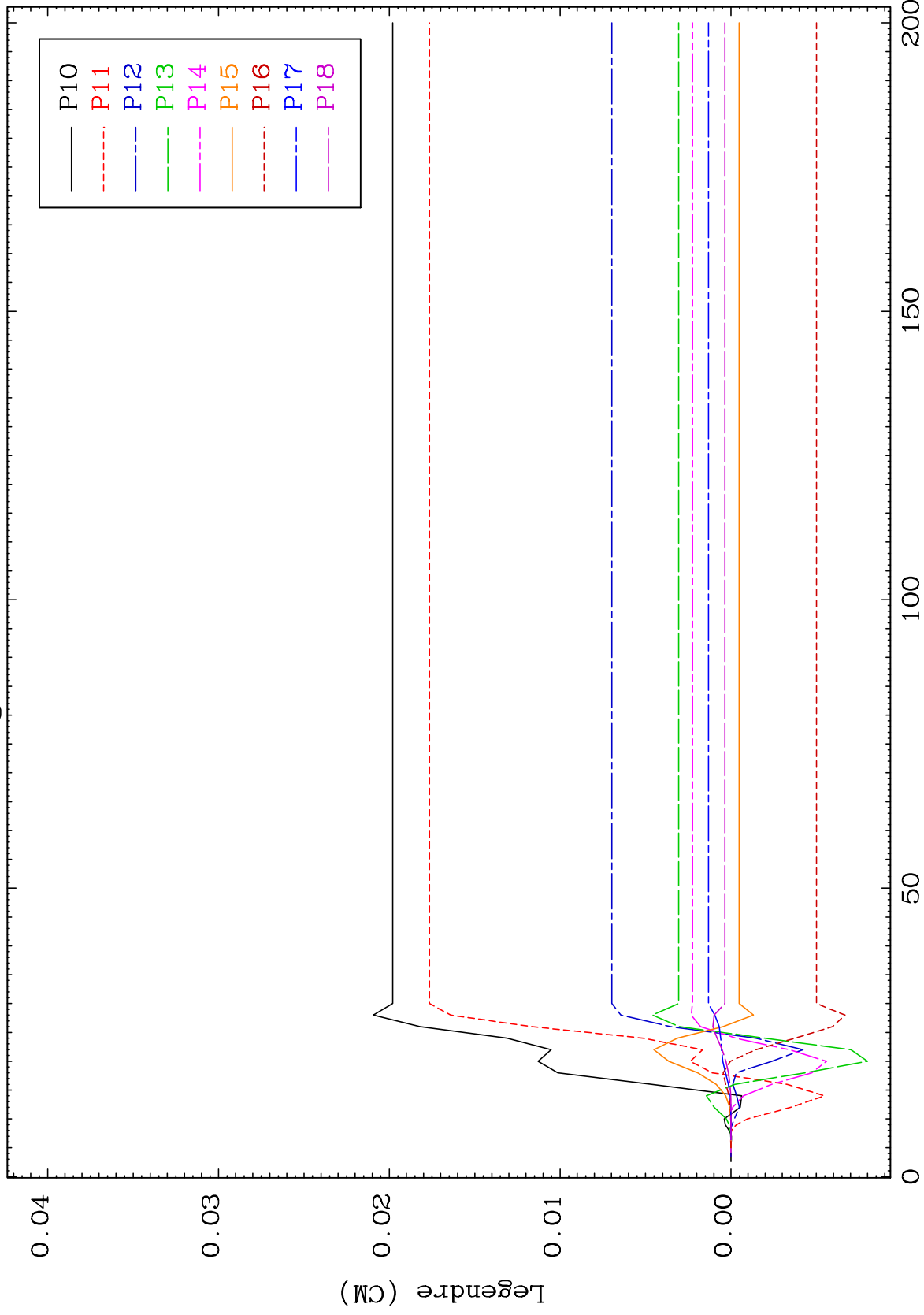
Incident Energy (MeV)

126

MAT 5464

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

54-Xe-137



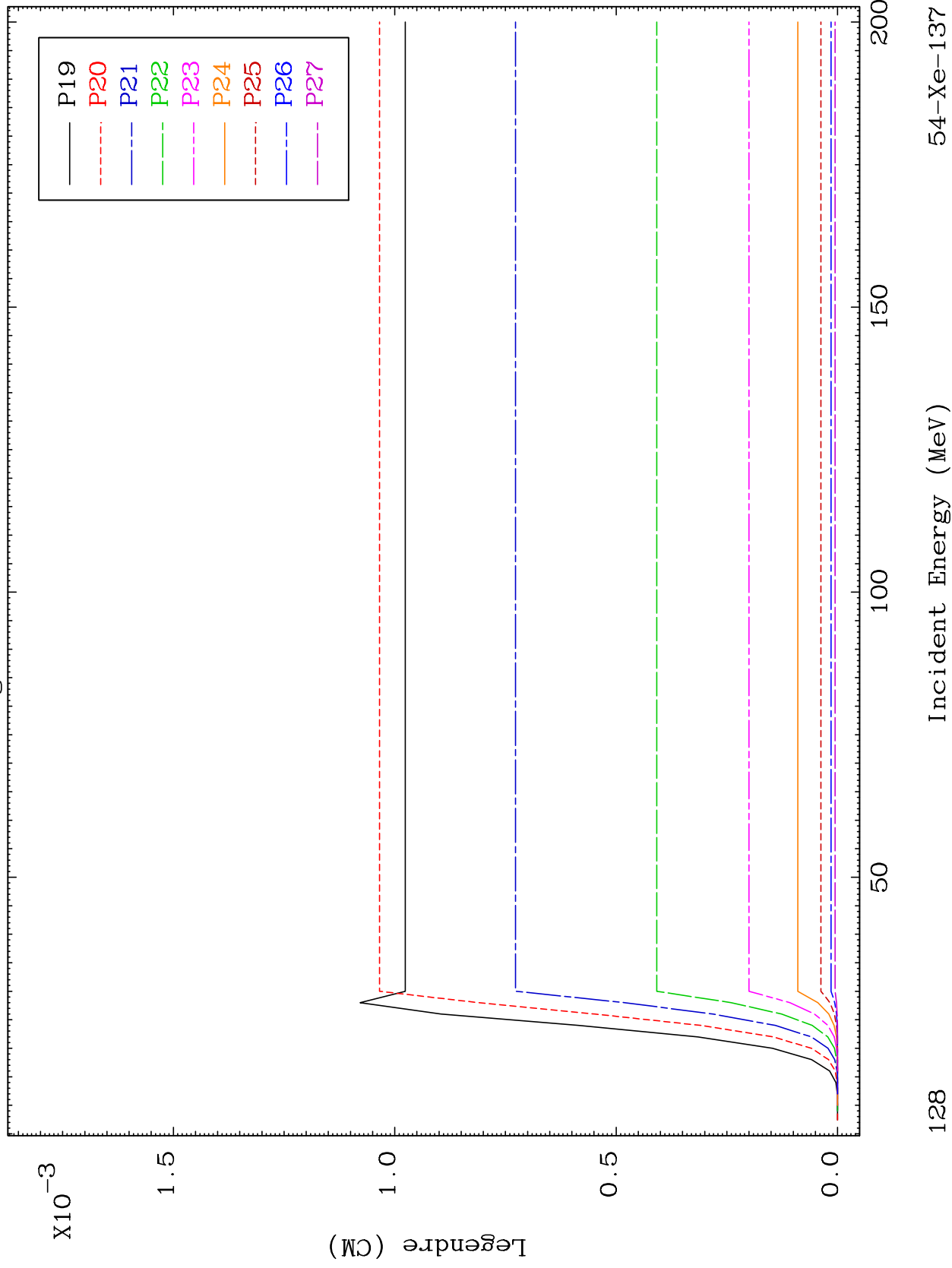
127

54-Xe-137

MAT 5464

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

54-Xe-137



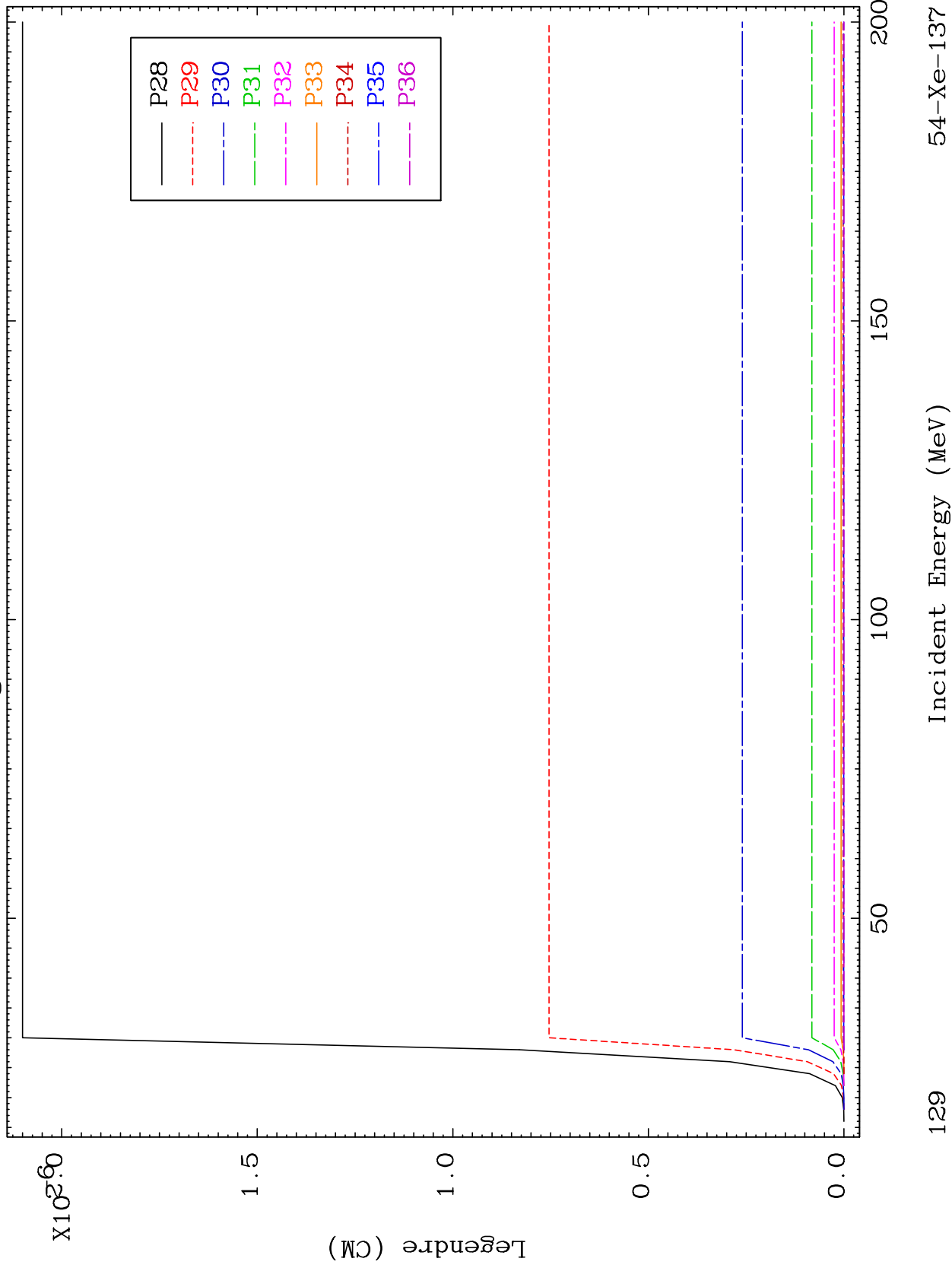
128

54-Xe-137

MAT 5464

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

54-Xe-137



129

Incident Energy (MeV)

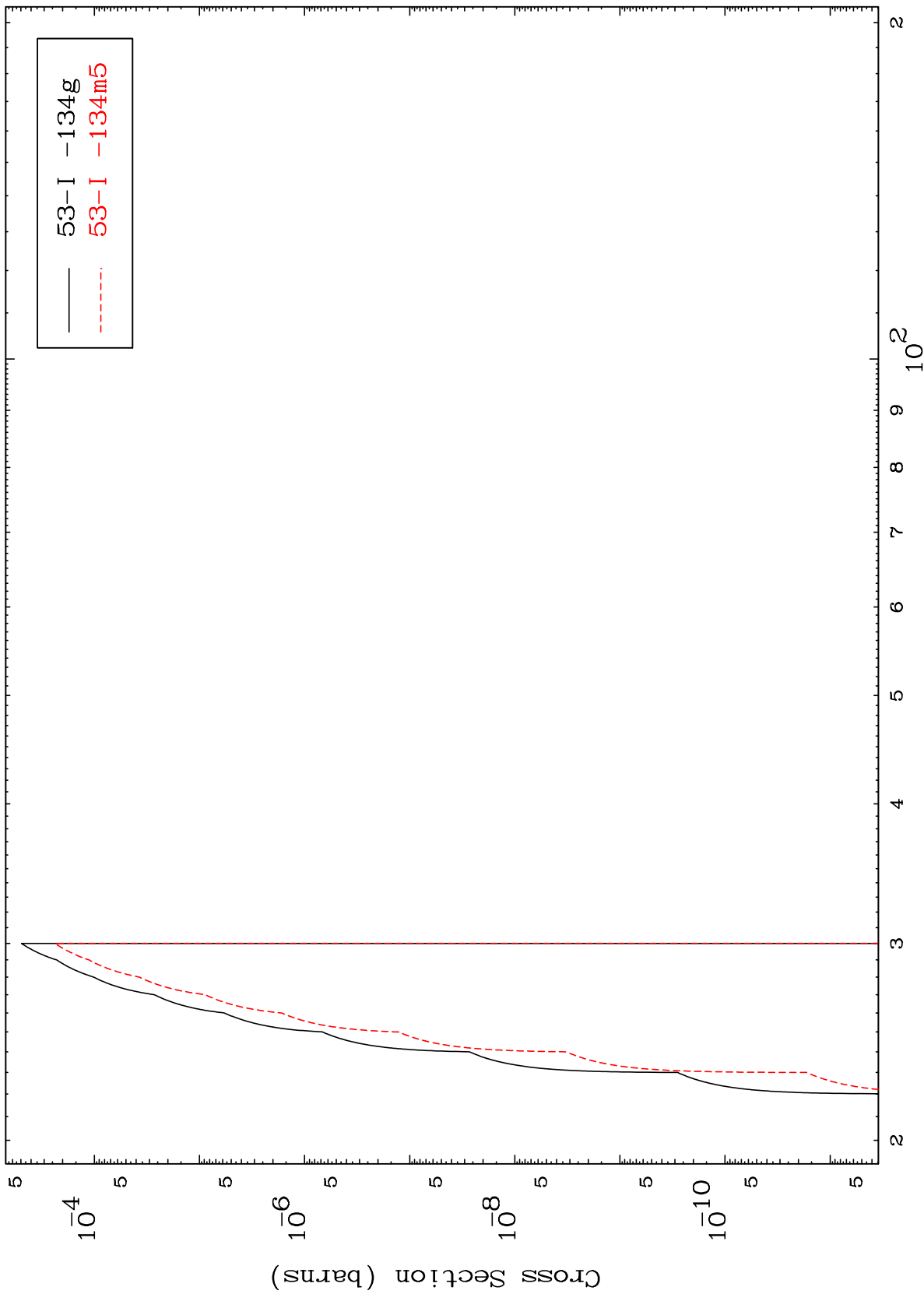
54-Xe-137

MAT 5464

(n,2n) d

54-Xe-137

Radionuclide Production Cross Section



53-I -134g
53-I -134m5

130

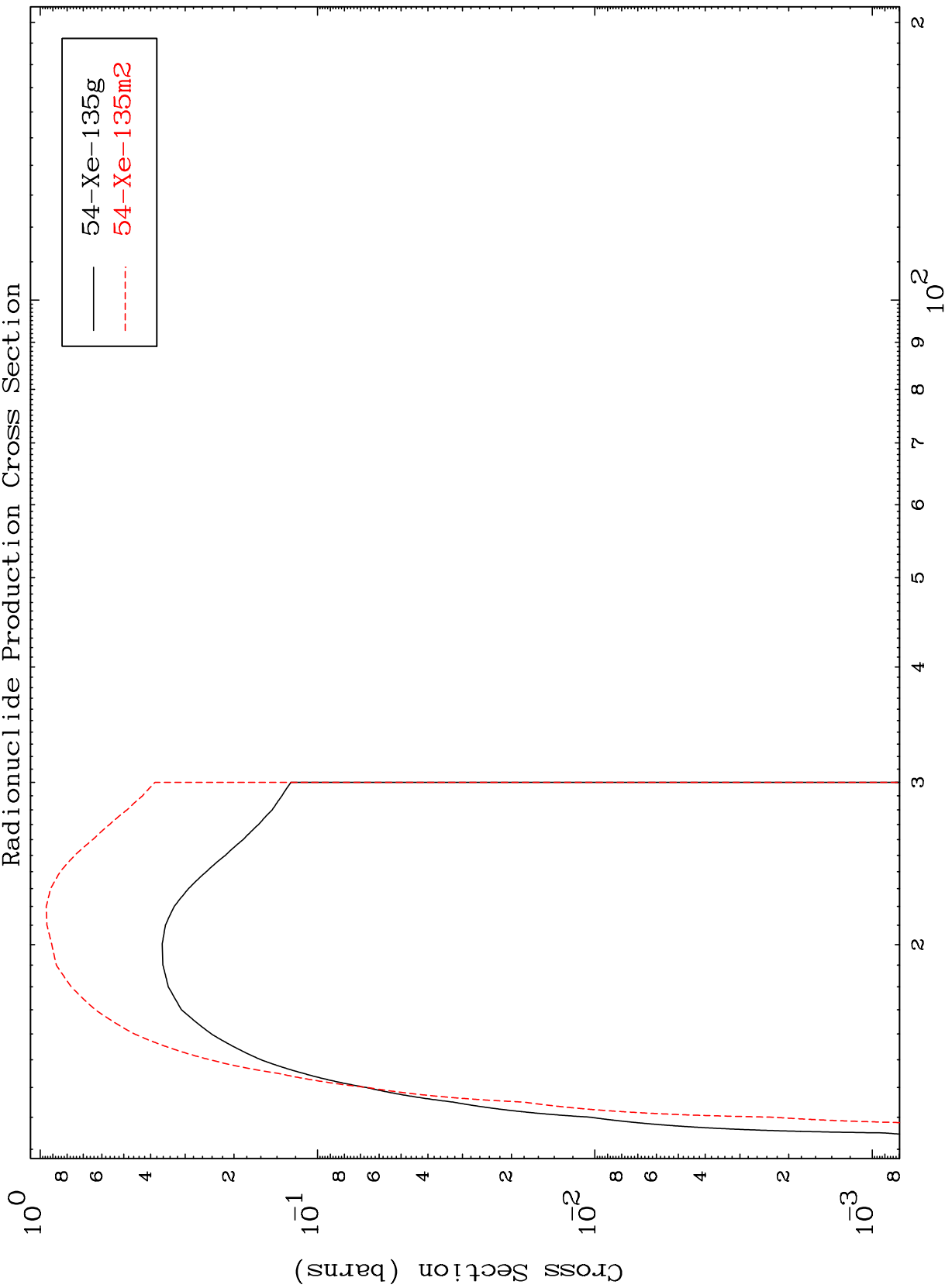
Incident Energy (MeV)

54-Xe-137

MAT 5464

54-Xe-137

(n,3n)
Radionuclide Production Cross Section



131

Incident Energy (MeV)

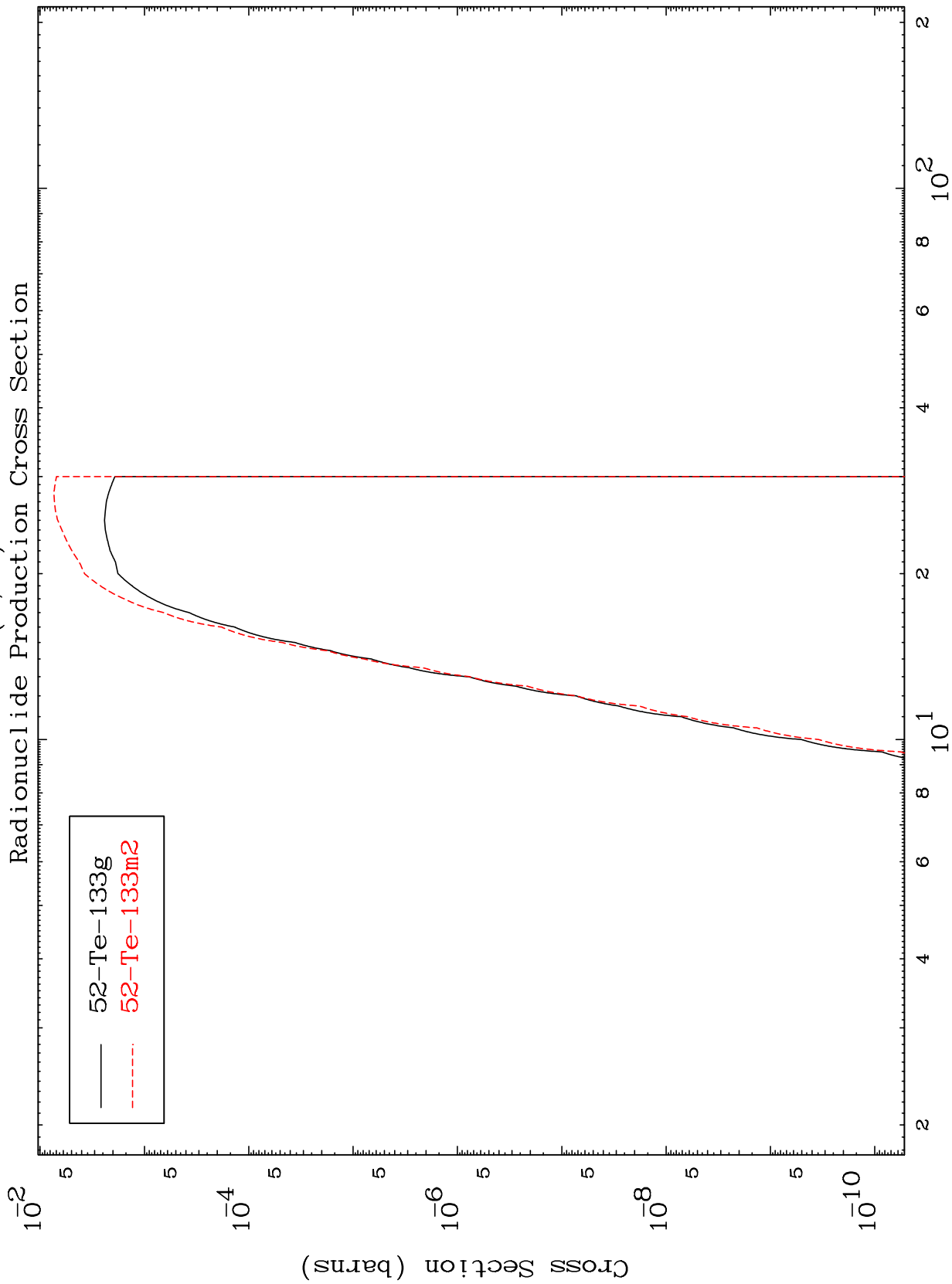
54-Xe-137

MAT 5464

54-Xe-137

(n,n') α

Radionuclide Production Cross Section



132

Incident Energy (MeV)

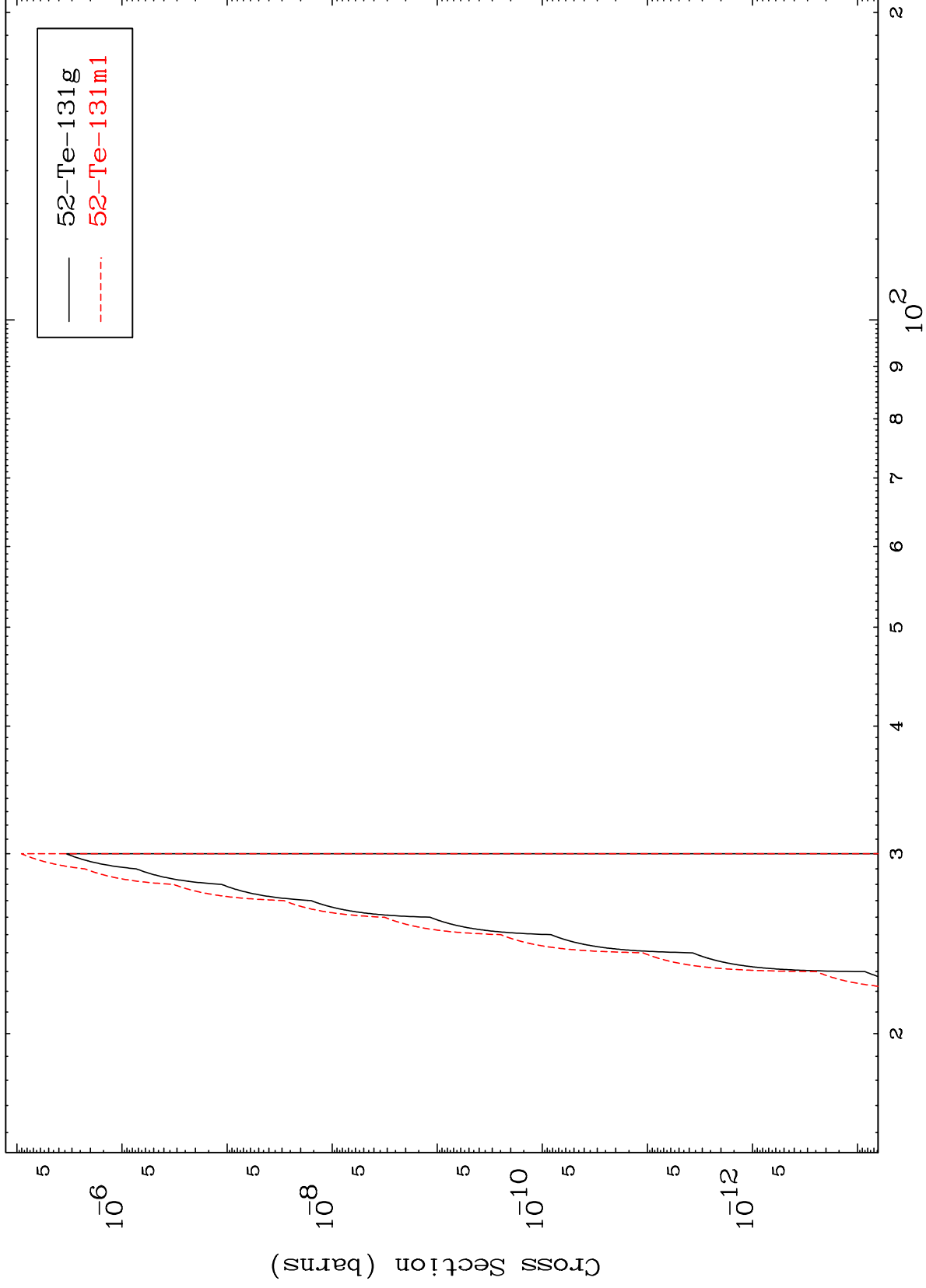
54-Xe-137

MAT 5464

(n,3n) α

54-Xe-137

Radionuclide Production Cross Section



133

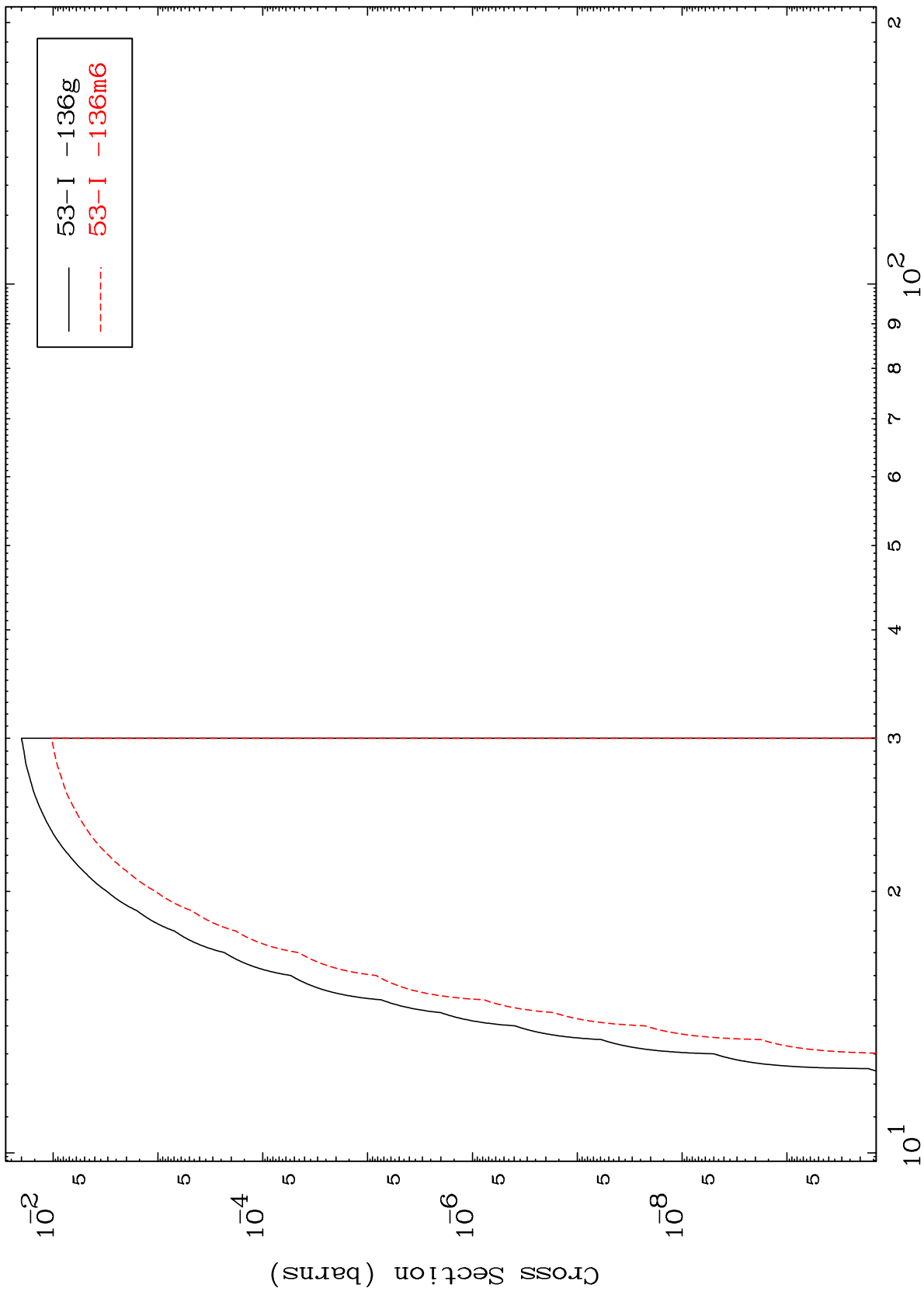
Incident Energy (MeV)

54-Xe-137

MAT 5464

54-Xe-137

(n,n') p
Radionuclide Production Cross Section



54-Xe-137

Incident Energy (MeV)

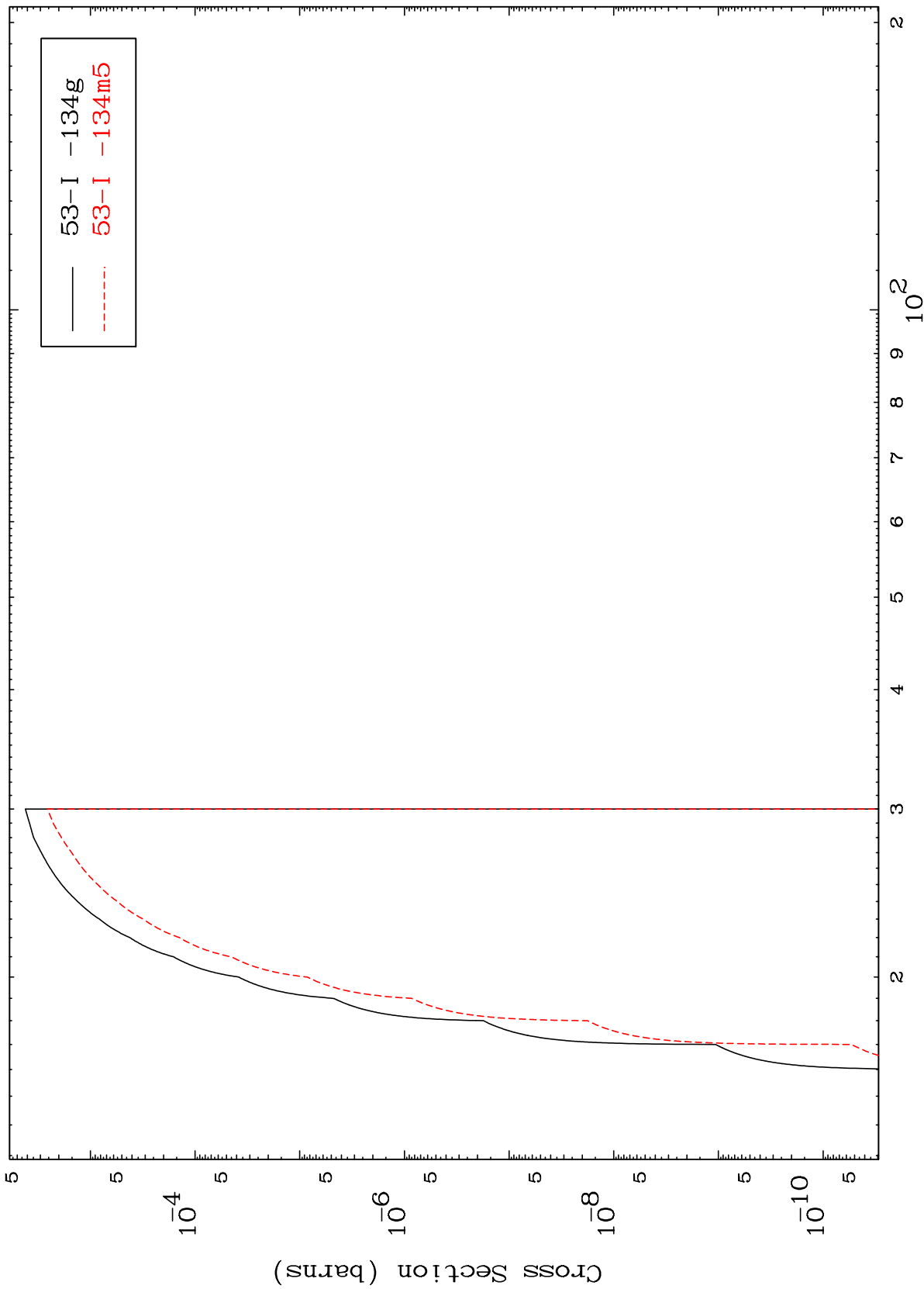
134

MAT 5464

(n,n') t

54-Xe-137

Radionuclide Production Cross Section



135

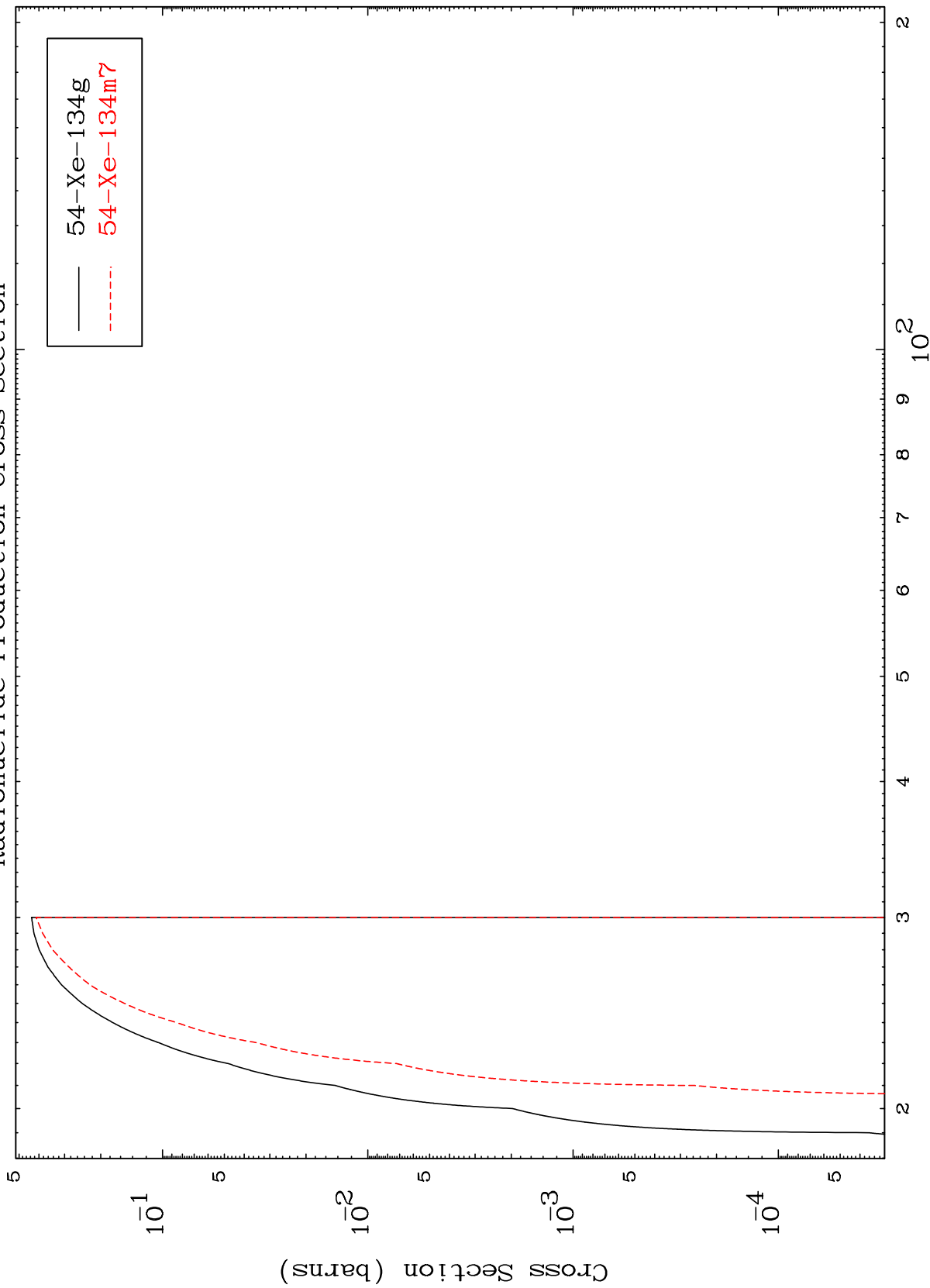
Incident Energy (MeV)

54-Xe-137

MAT 5464

54-Xe-137

(n,4n)
Radionuclide Production Cross Section



54-Xe-137

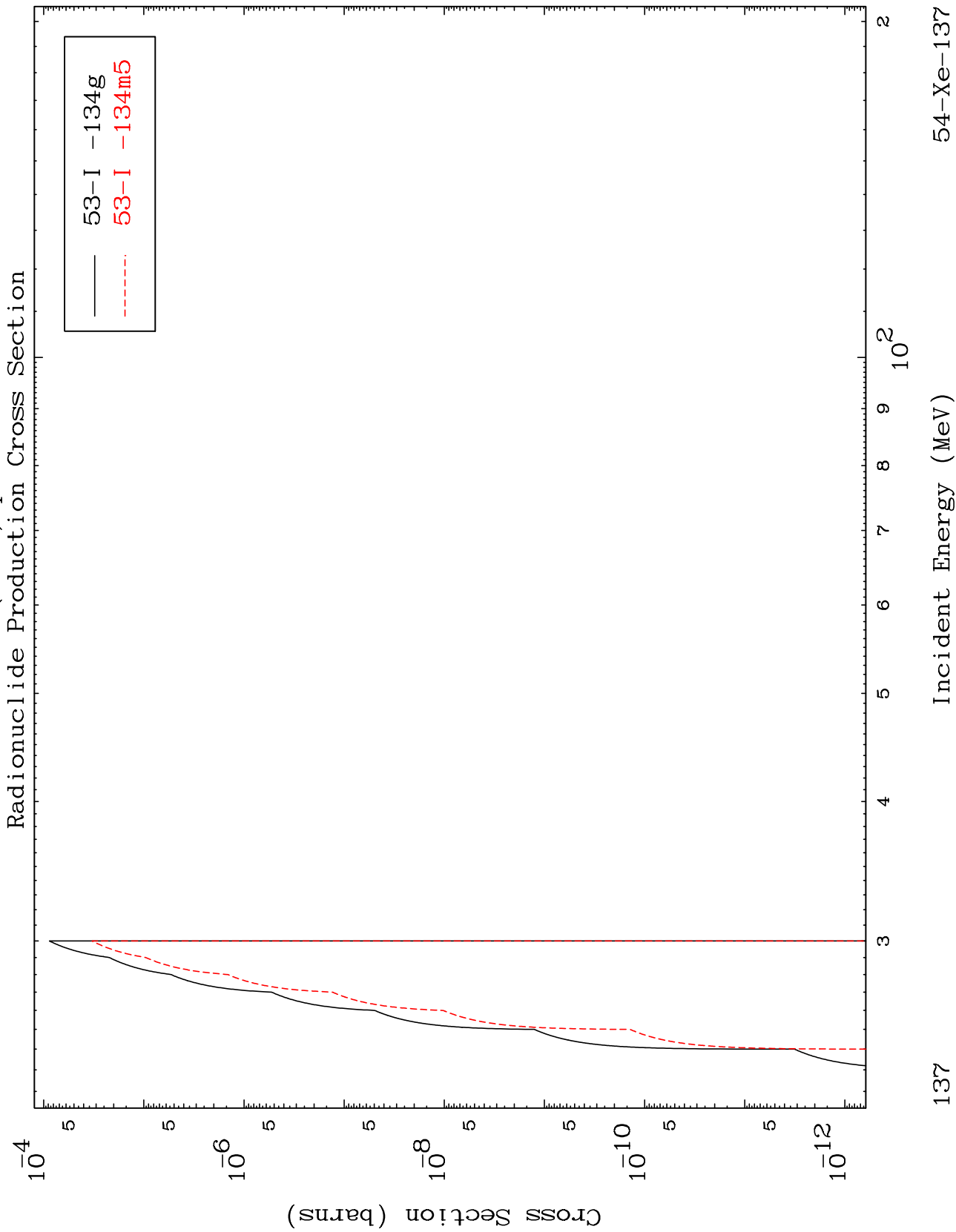
Incident Energy (MeV)

136

MAT 5464

(n,3n) p

54-Xe-137



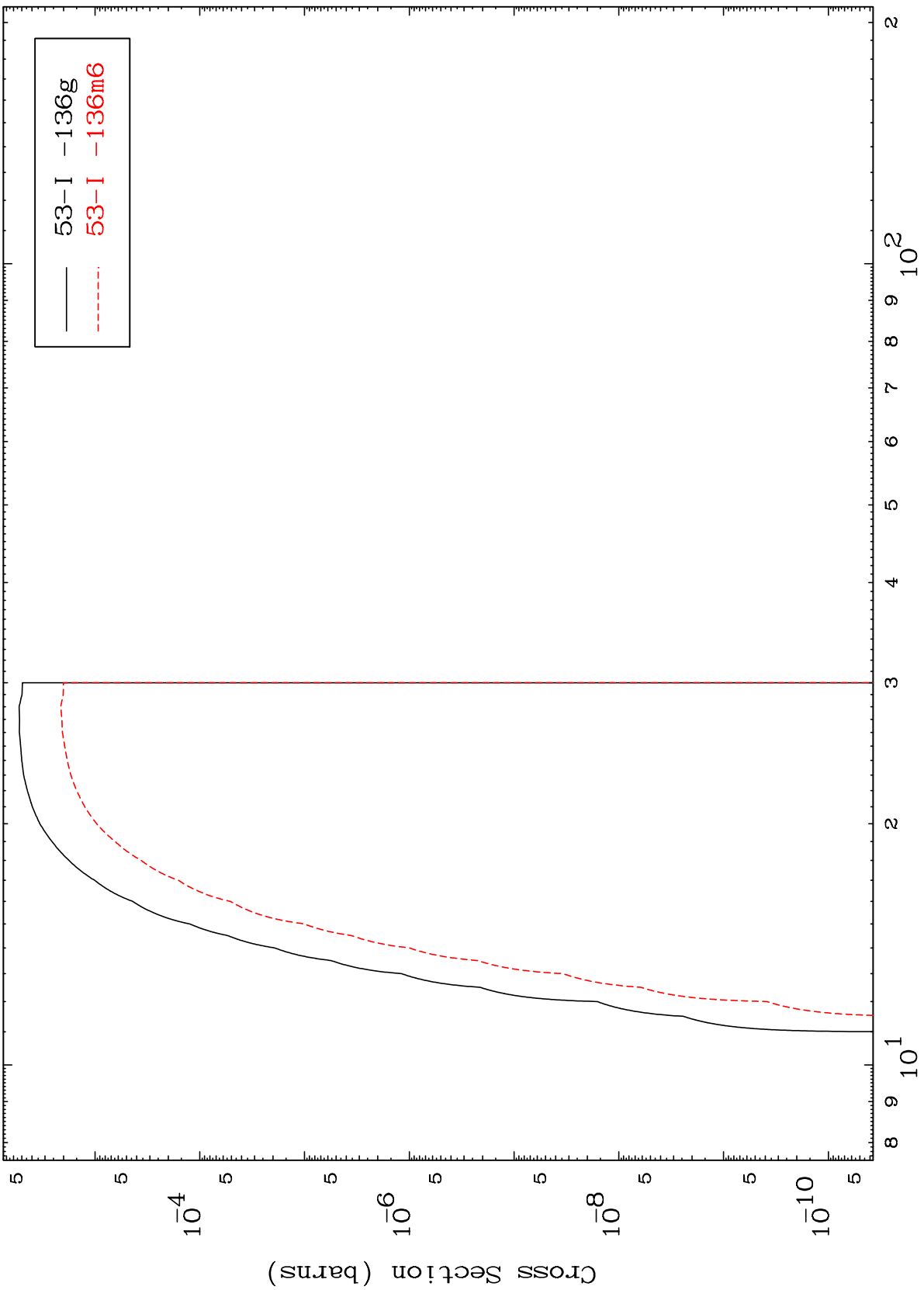
137

54-Xe-137

MAT 5464

54-Xe-137

(n,d)
Radionuclide Production Cross Section



53-I -136g
53-I -136m6

138

Incident Energy (MeV)

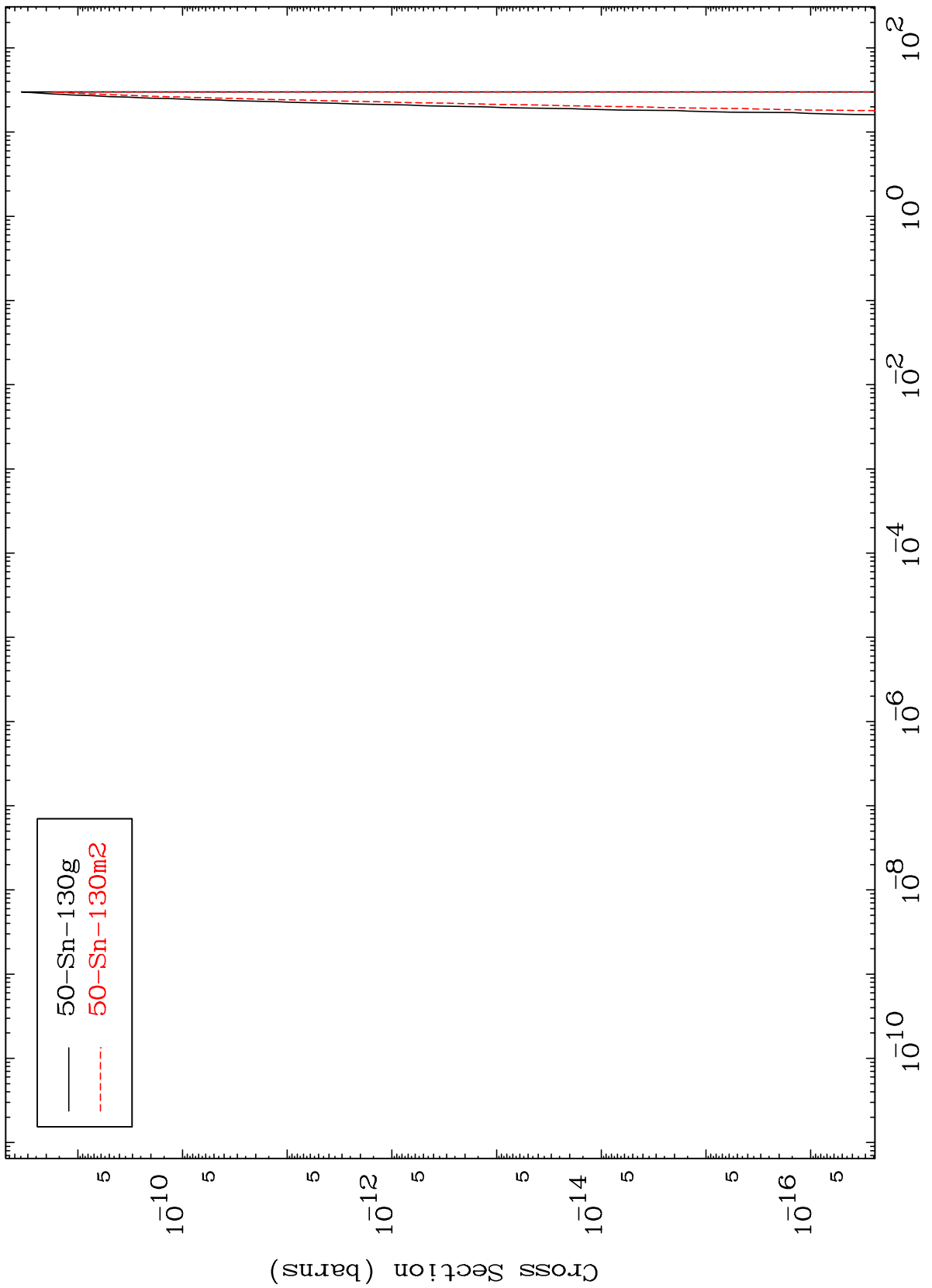
54-Xe-137

MAT 5464

(n,2α)

54-Xe-137

Radionuclide Production Cross Section



139

Incident Energy (MeV)

54-Xe-137