

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
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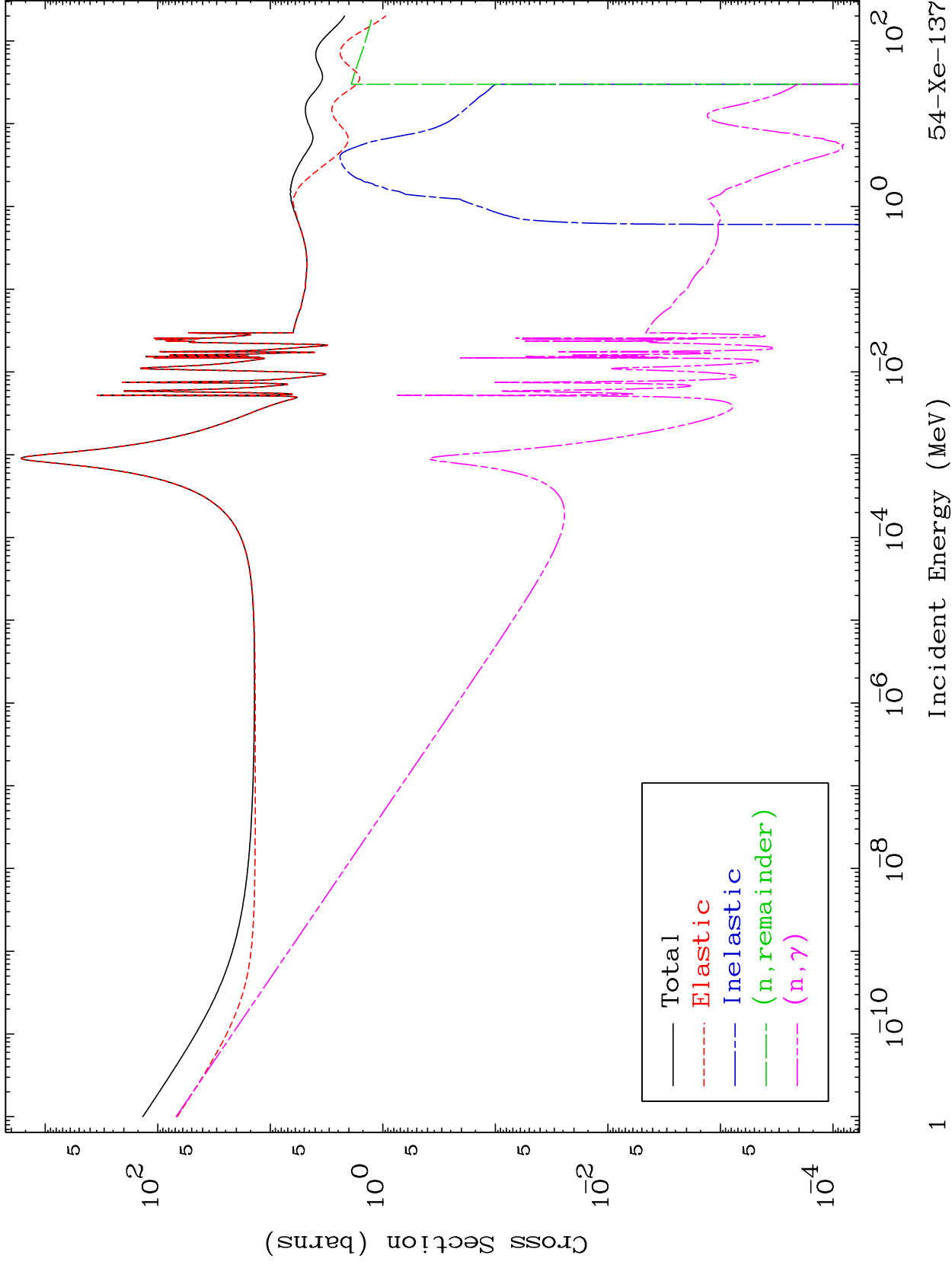
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5464

Major
293 Kelvin Cross Sections

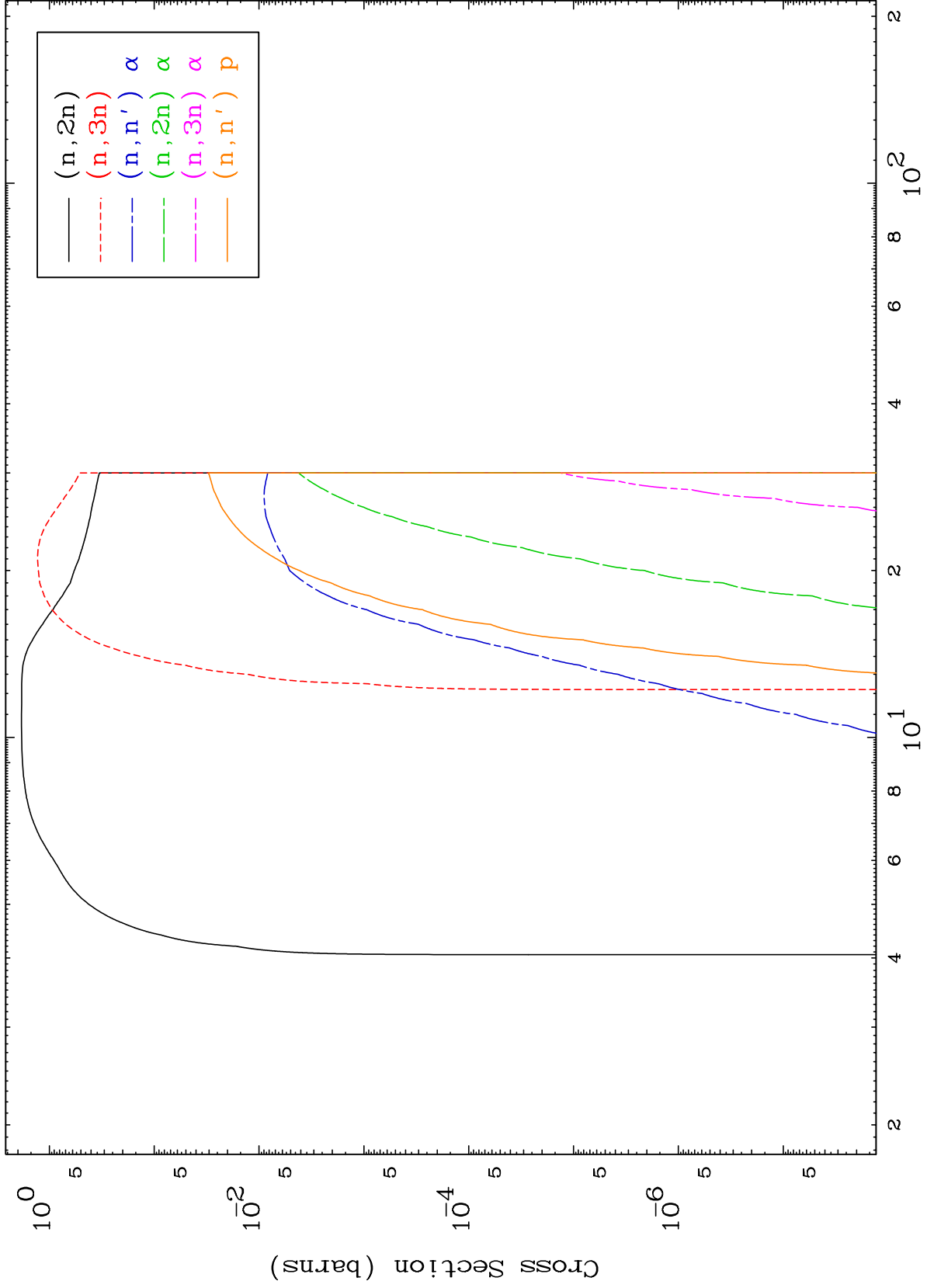
54-Xe-137



MAT 5464

Neutron Production
293 Kelvin Cross Sections

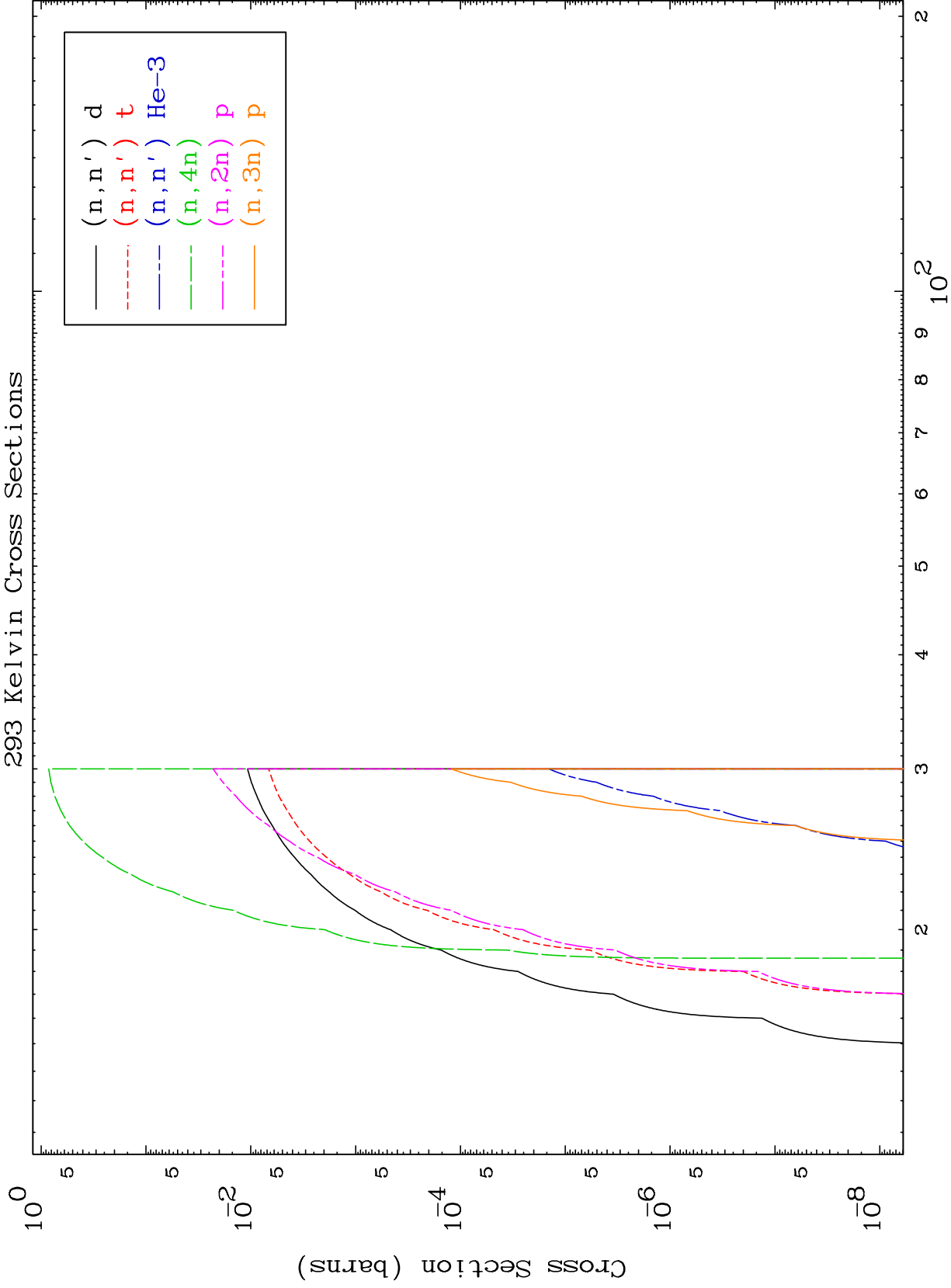
54-Xe-137



2

Incident Energy (MeV)

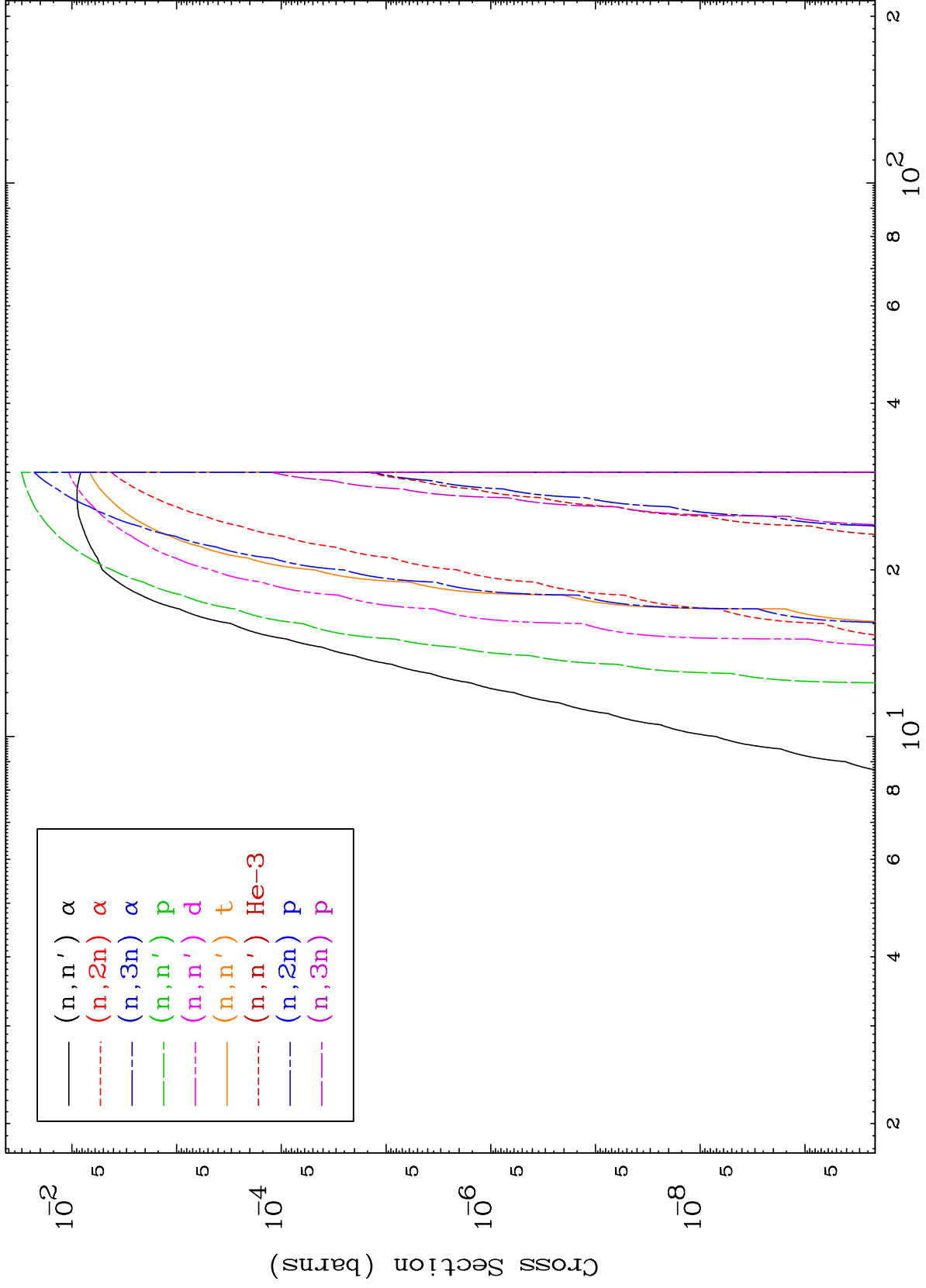
54-Xe-137



MAT 5464

Charged Particle
293 Kelvin Cross Sections

54-Xe-137



4

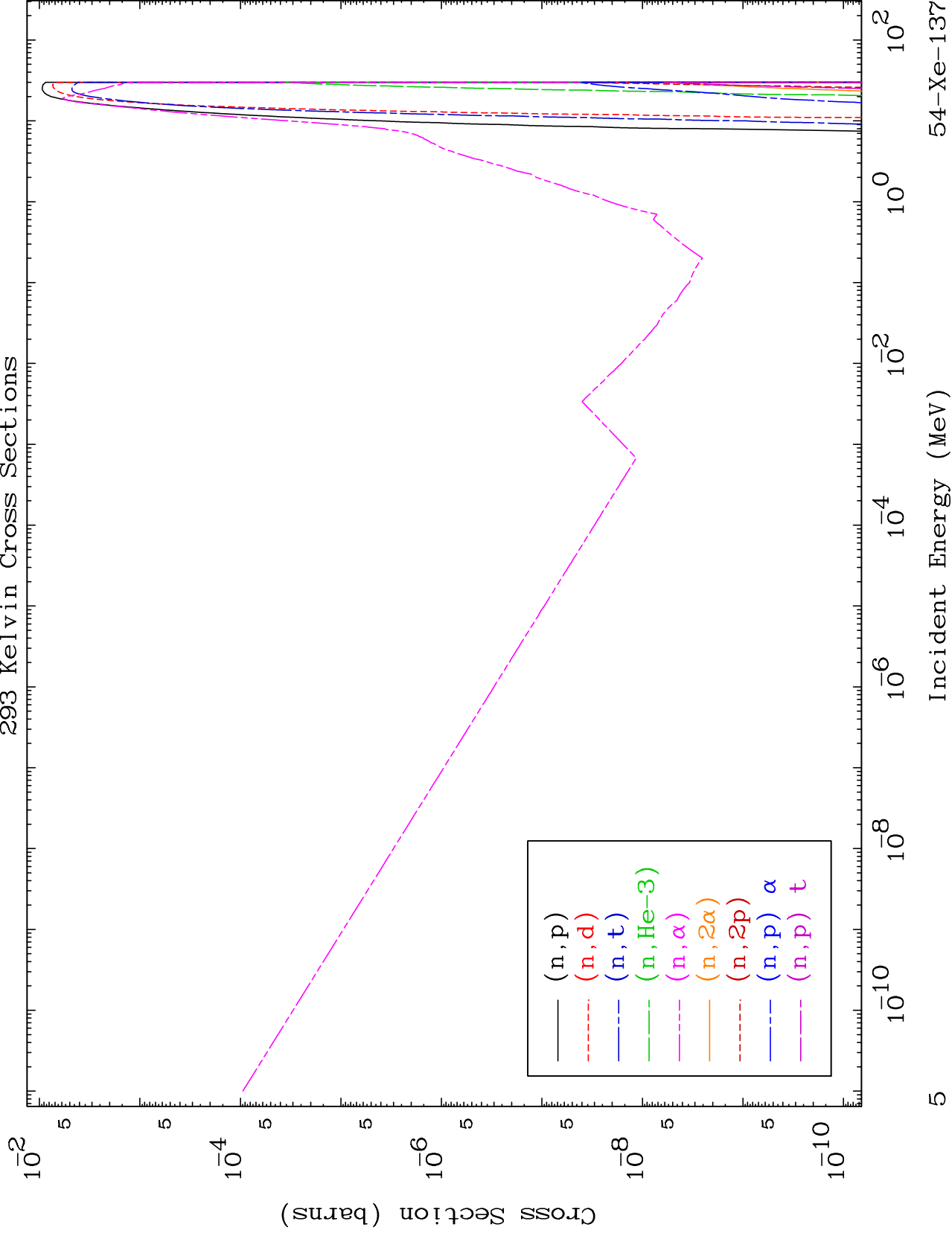
Incident Energy (MeV)

54-Xe-137

MAT 5464

Charged Particle
293 Kelvin Cross Sections

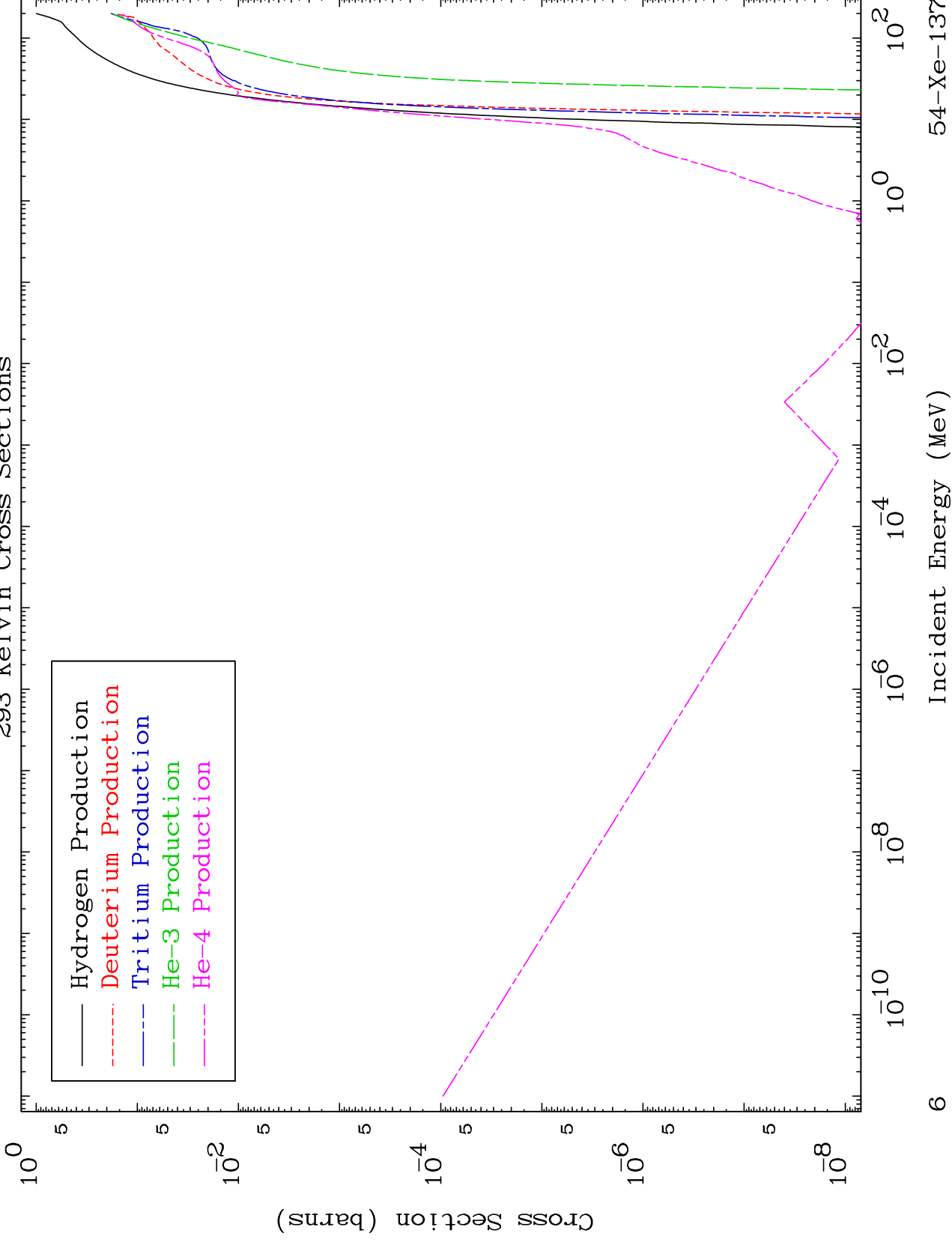
54-Xe-137



MAT 5464

Particle Production
293 Kelvin Cross Sections

54-Xe-137

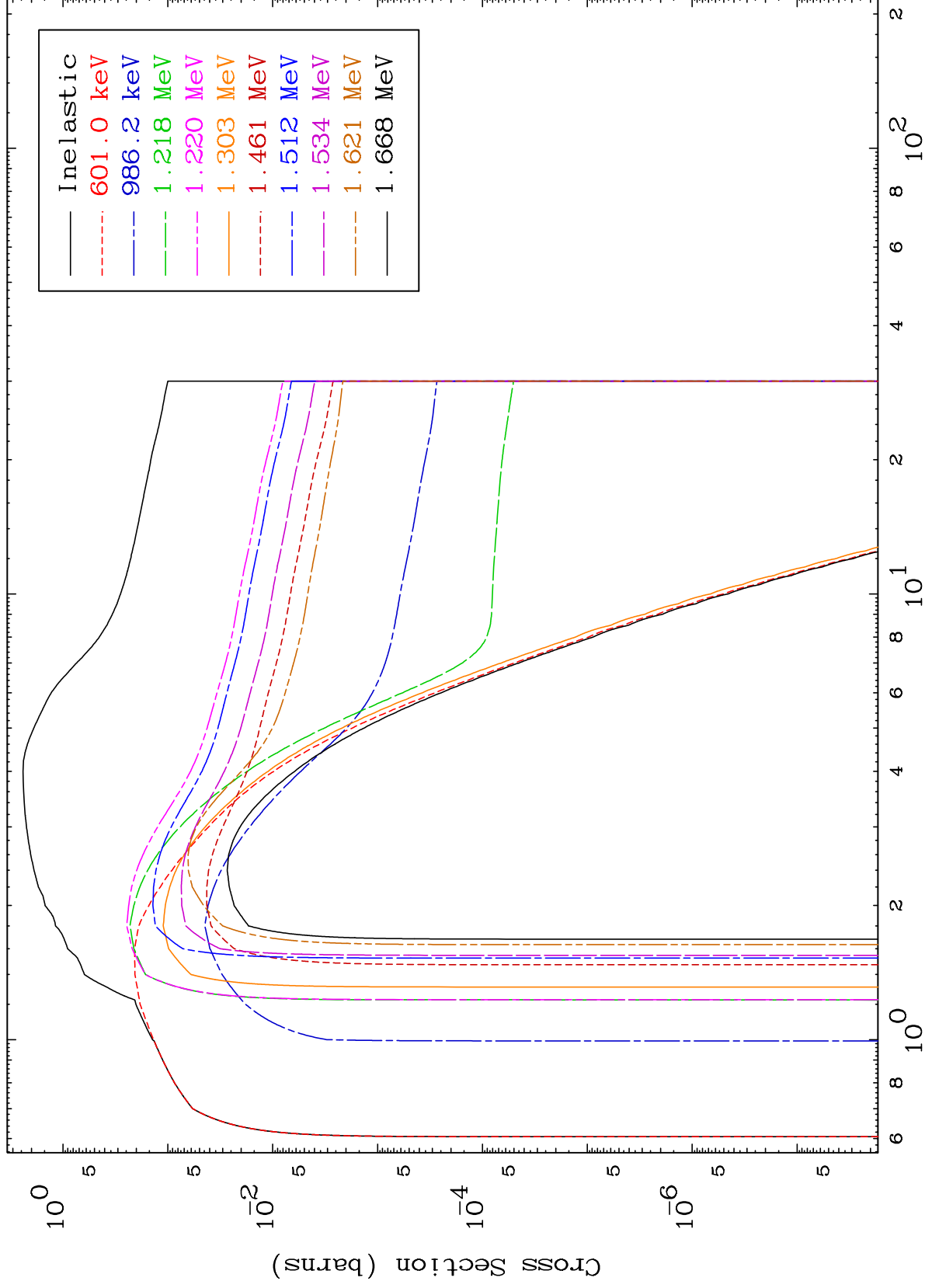


MAT 5464

(n,n') Level

54-Xe-137

293 Kelvin Cross Sections



7

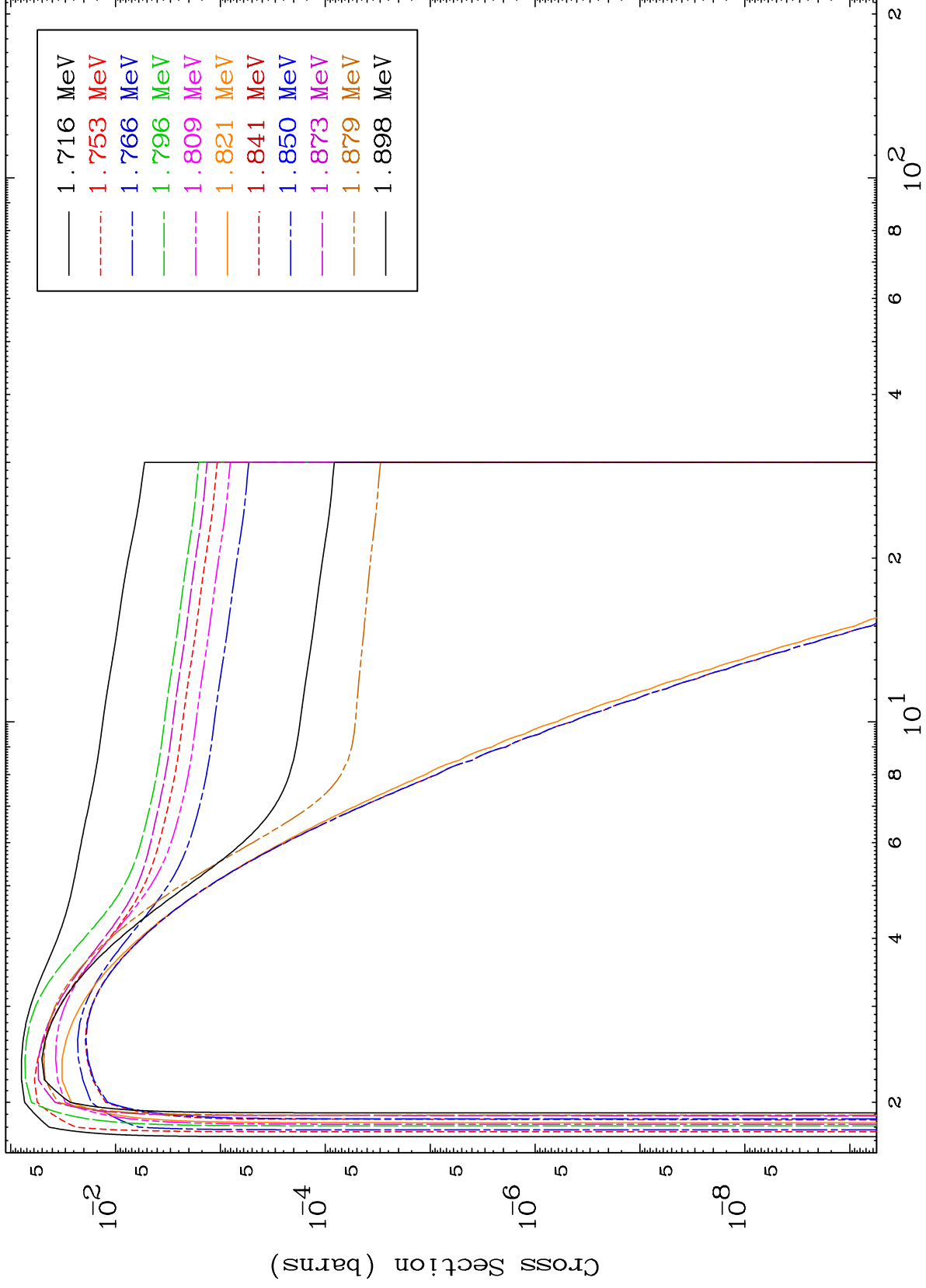
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,n') Level
293 Kelvin Cross Sections

54-Xe-137



8

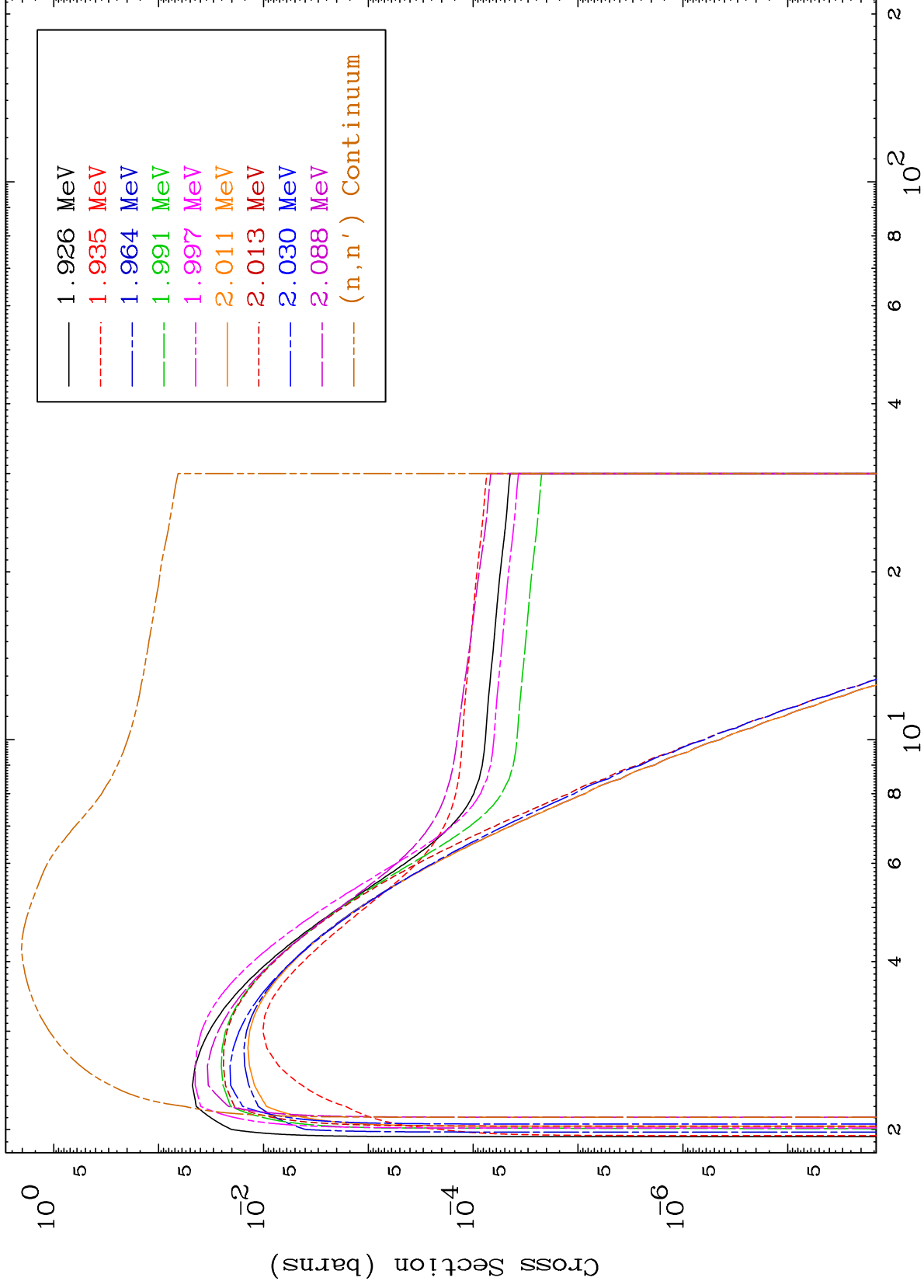
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,n') Level
293 Kelvin Cross Sections

54-Xe-137



9

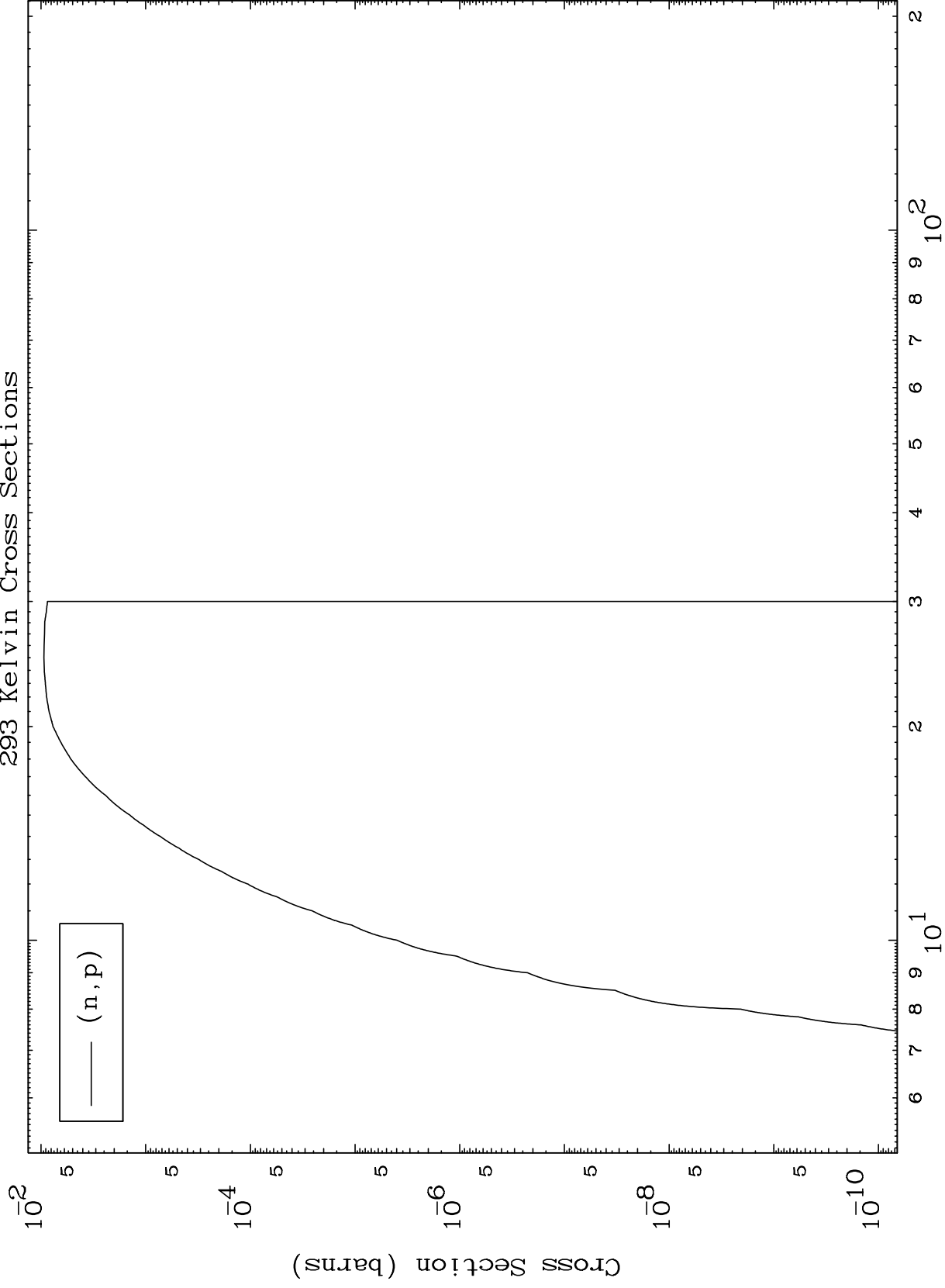
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-137



10

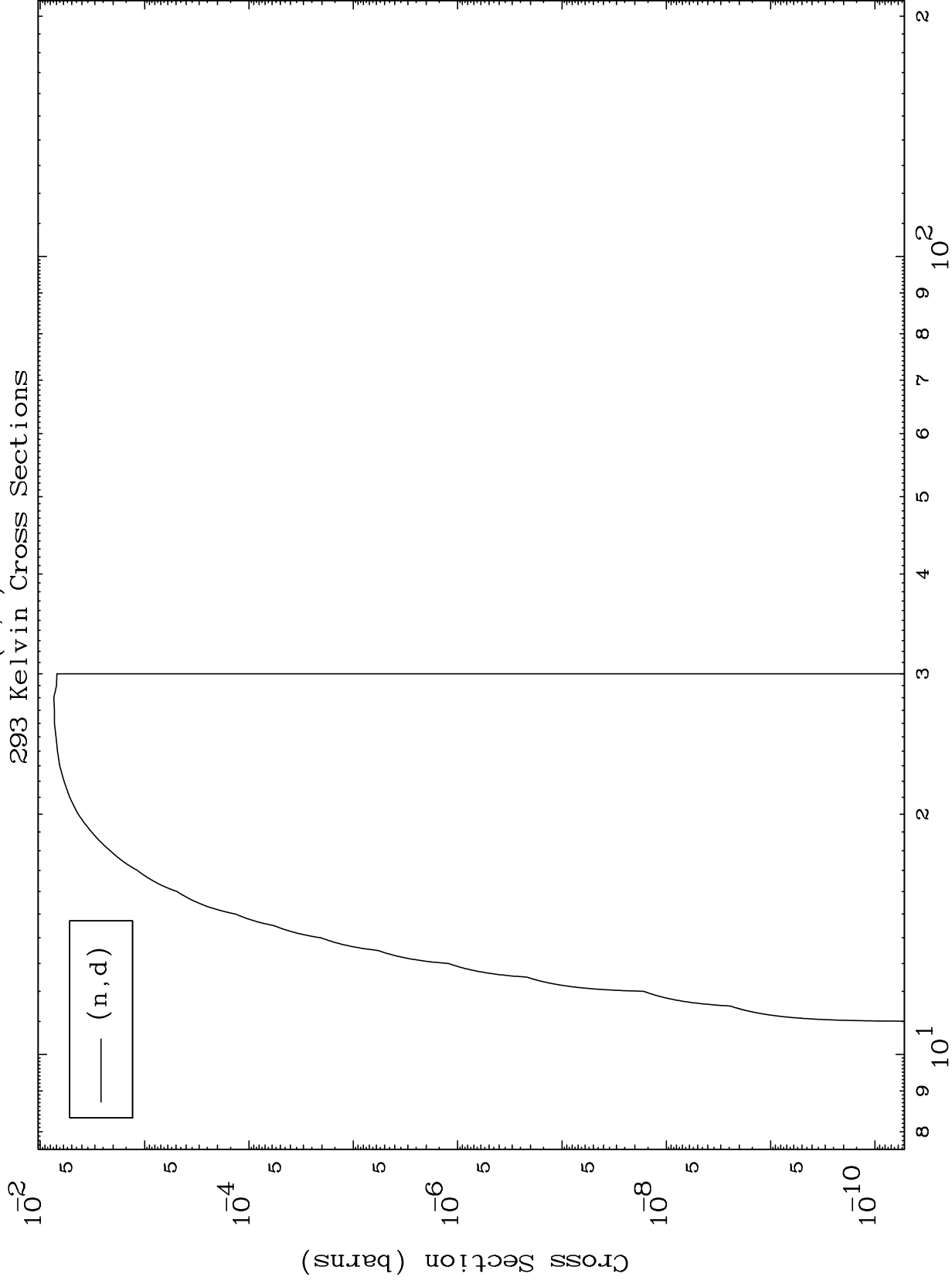
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-137



11

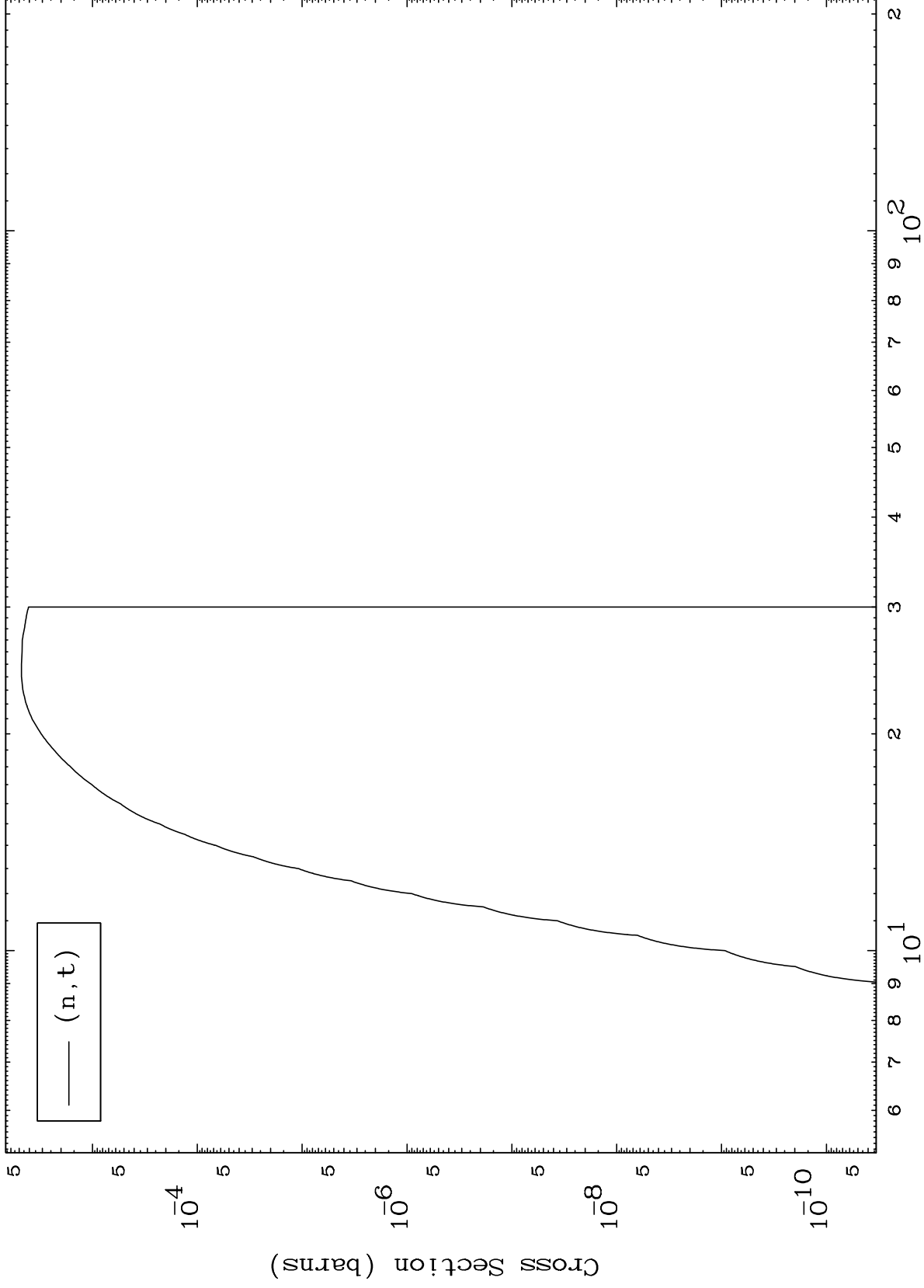
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,t) Levels
293 Kelvin Cross Sections

54-Xe-137



12

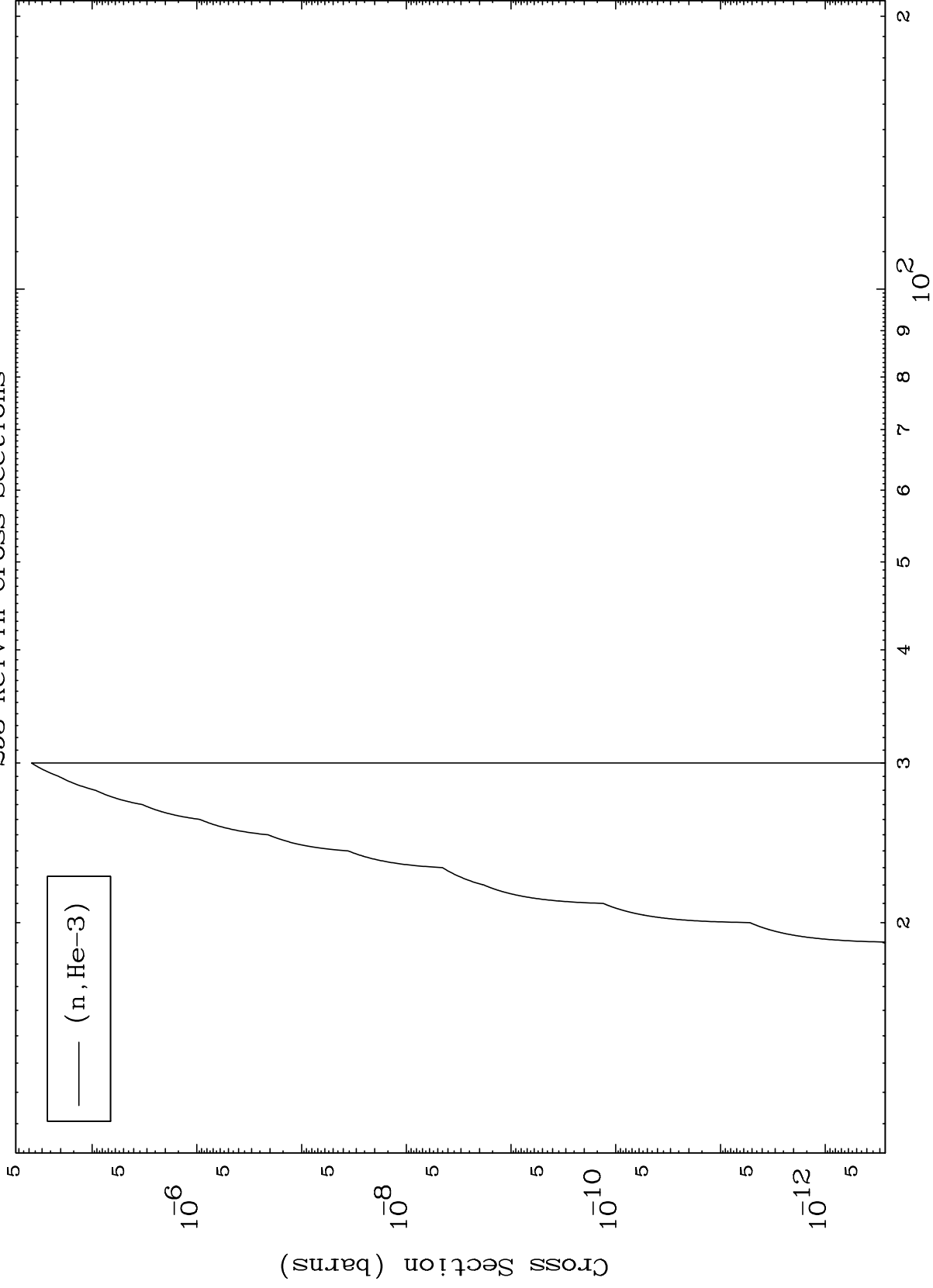
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,He3) Levels
293 Kelvin Cross Sections

54-Xe-137



13

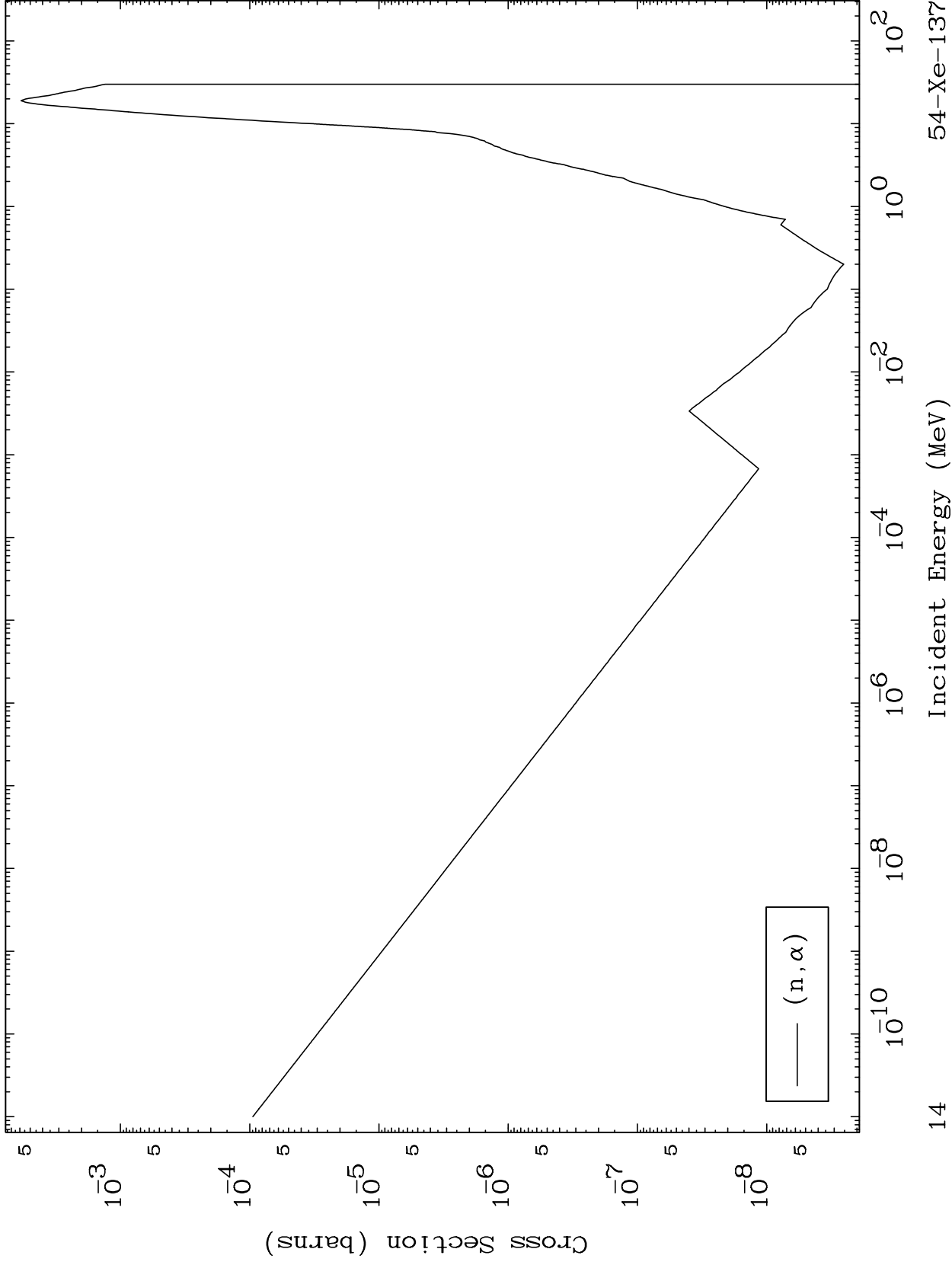
Incident Energy (MeV)

54-Xe-137

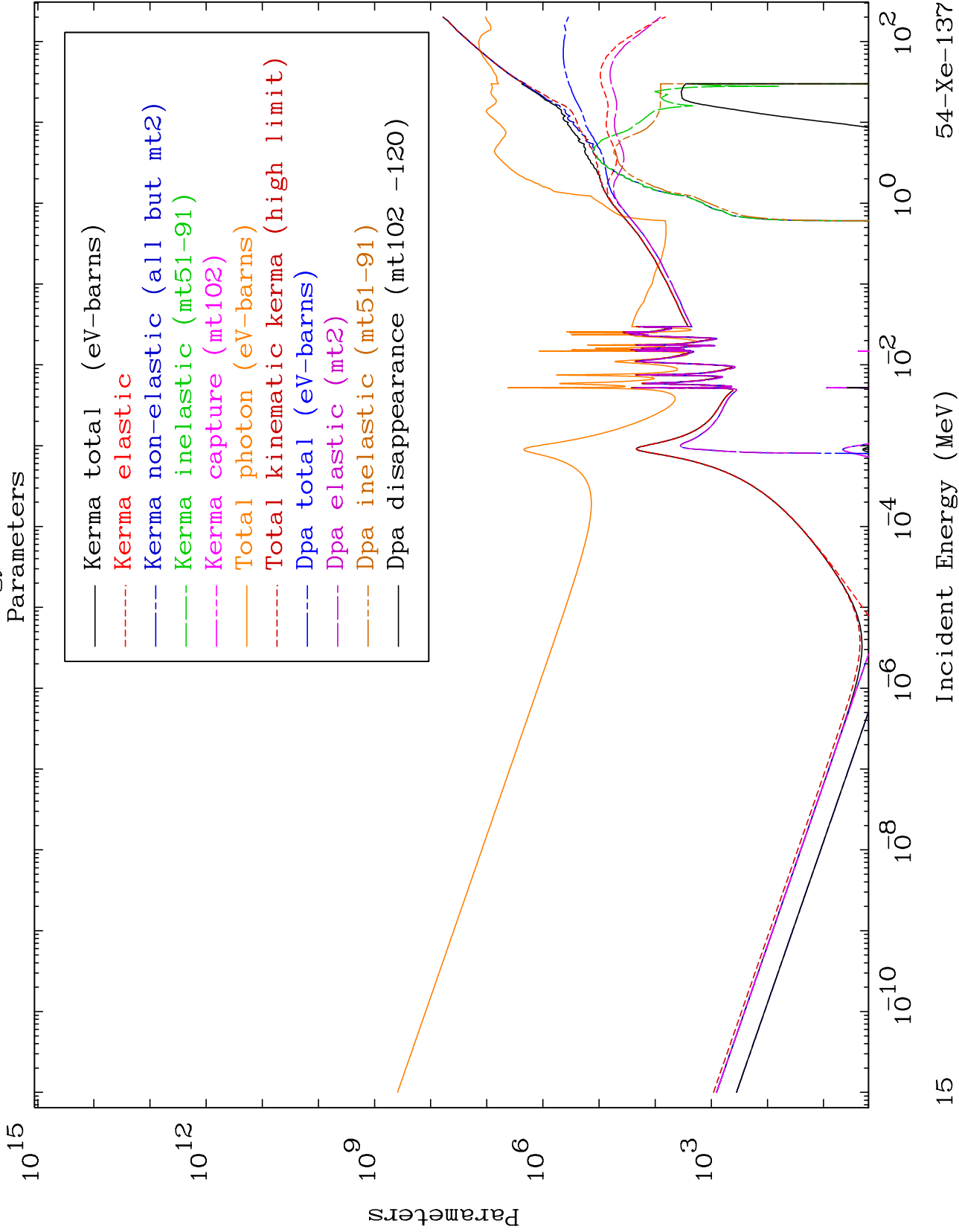
MAT 5464

(n, α) Levels
293 Kelvin Cross Sections

54-Xe-137



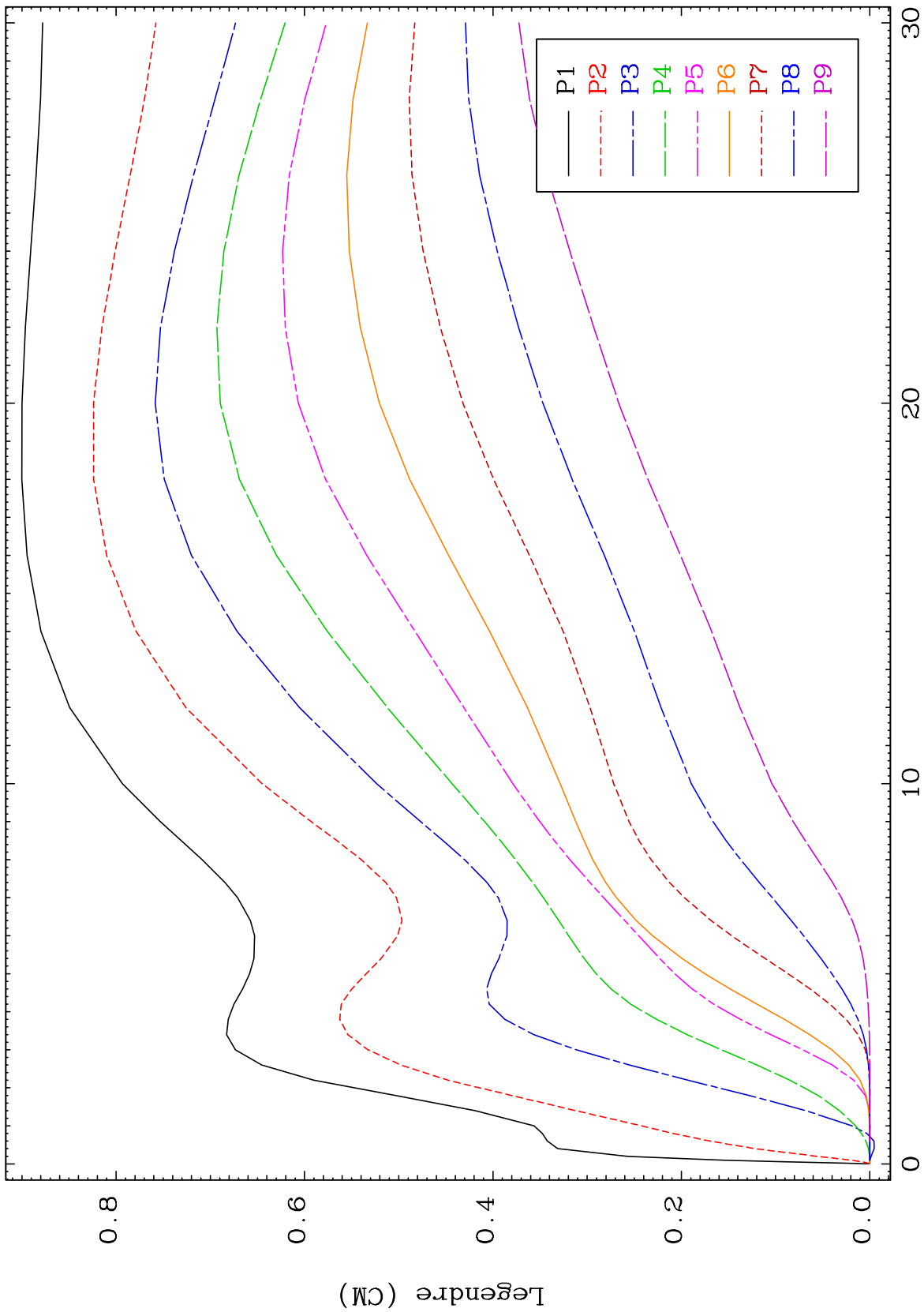
14



MAT 5464

Elastic Legendre Coefficients

54-Xe-137



16

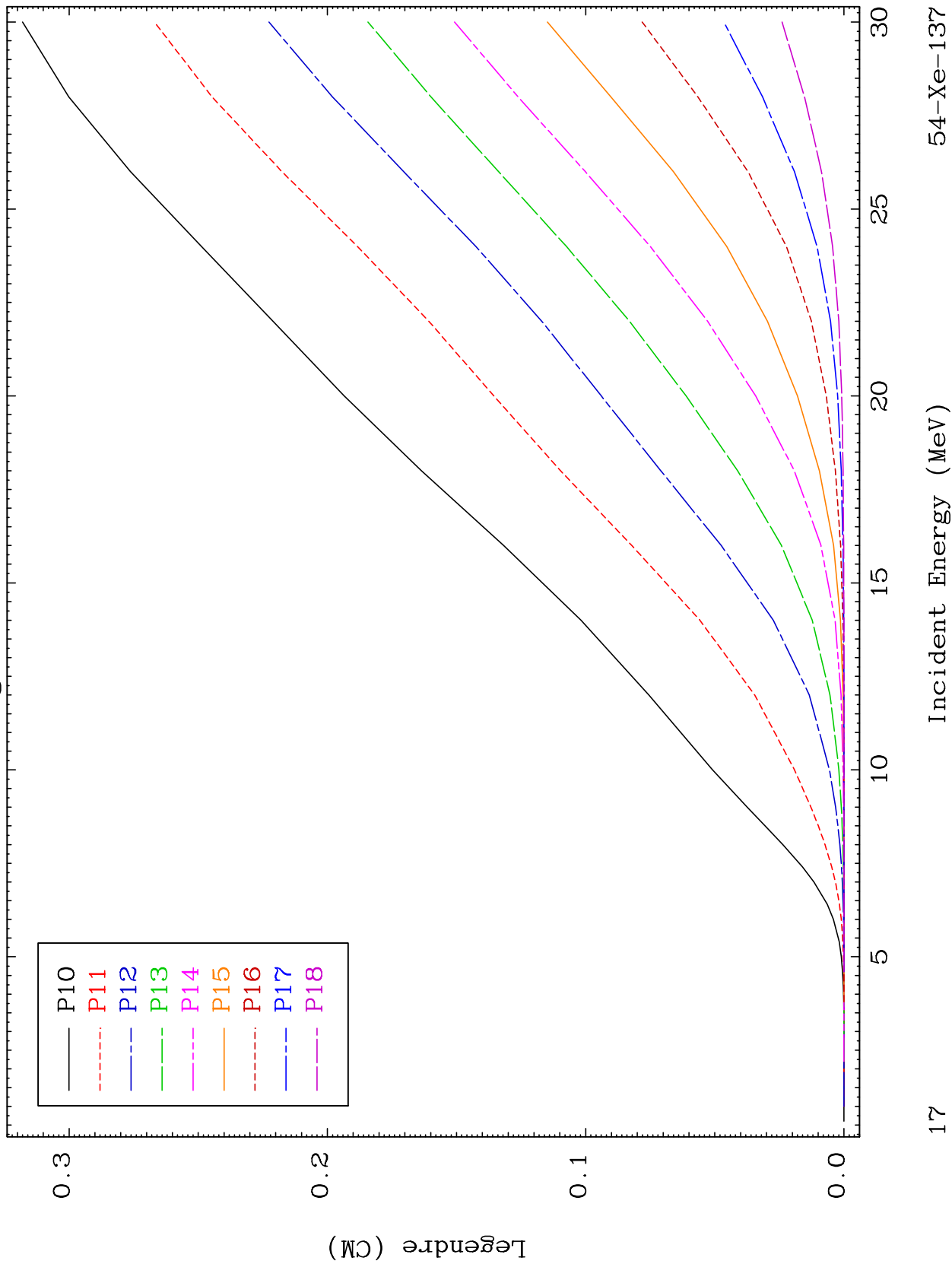
Incident Energy (MeV)

54-Xe-137

MAT 5464

Elastic Legendre Coefficients

54-Xe-137

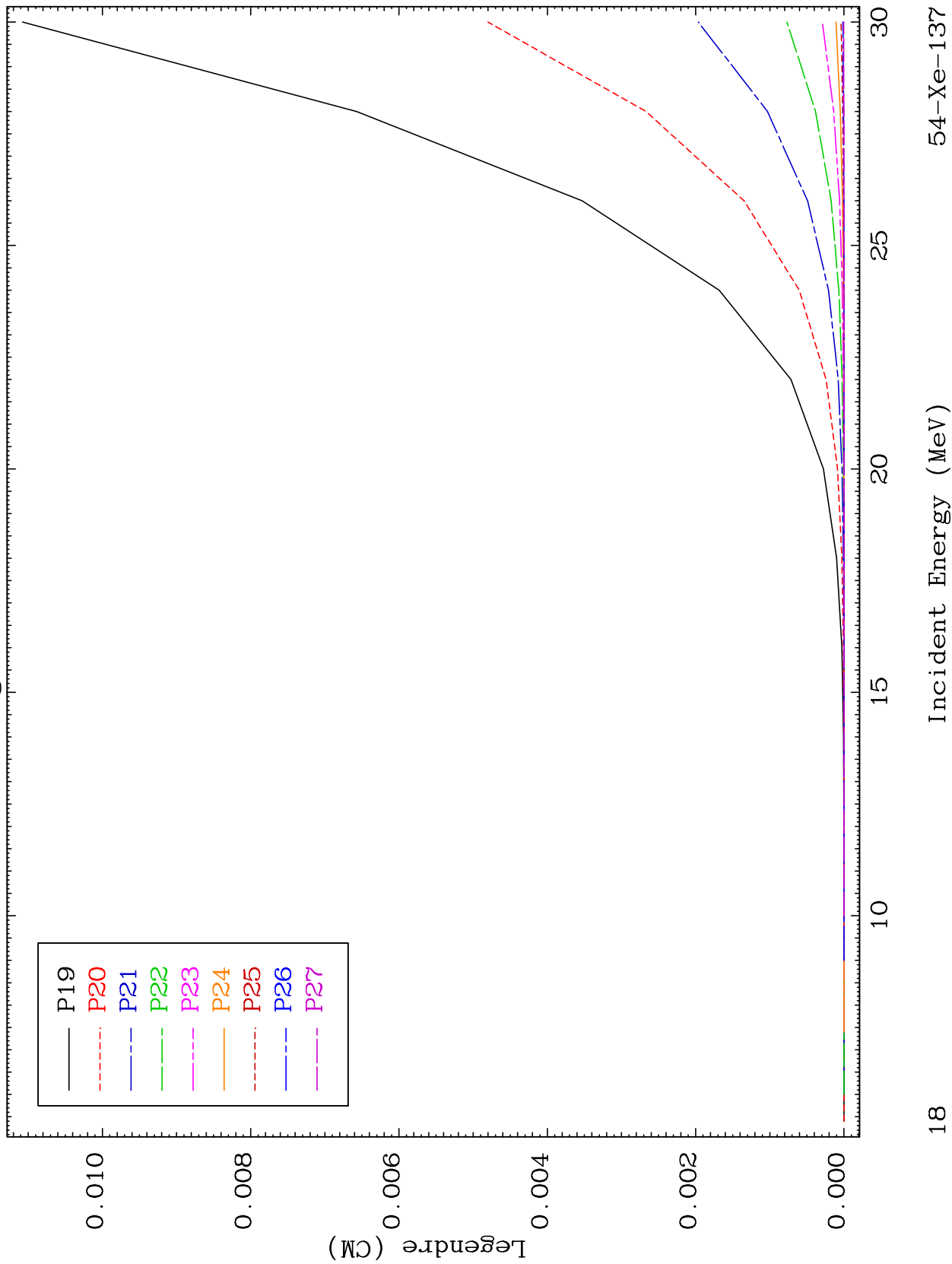


17

MAT 5464

Elastic Legendre Coefficients

54-Xe-137



18

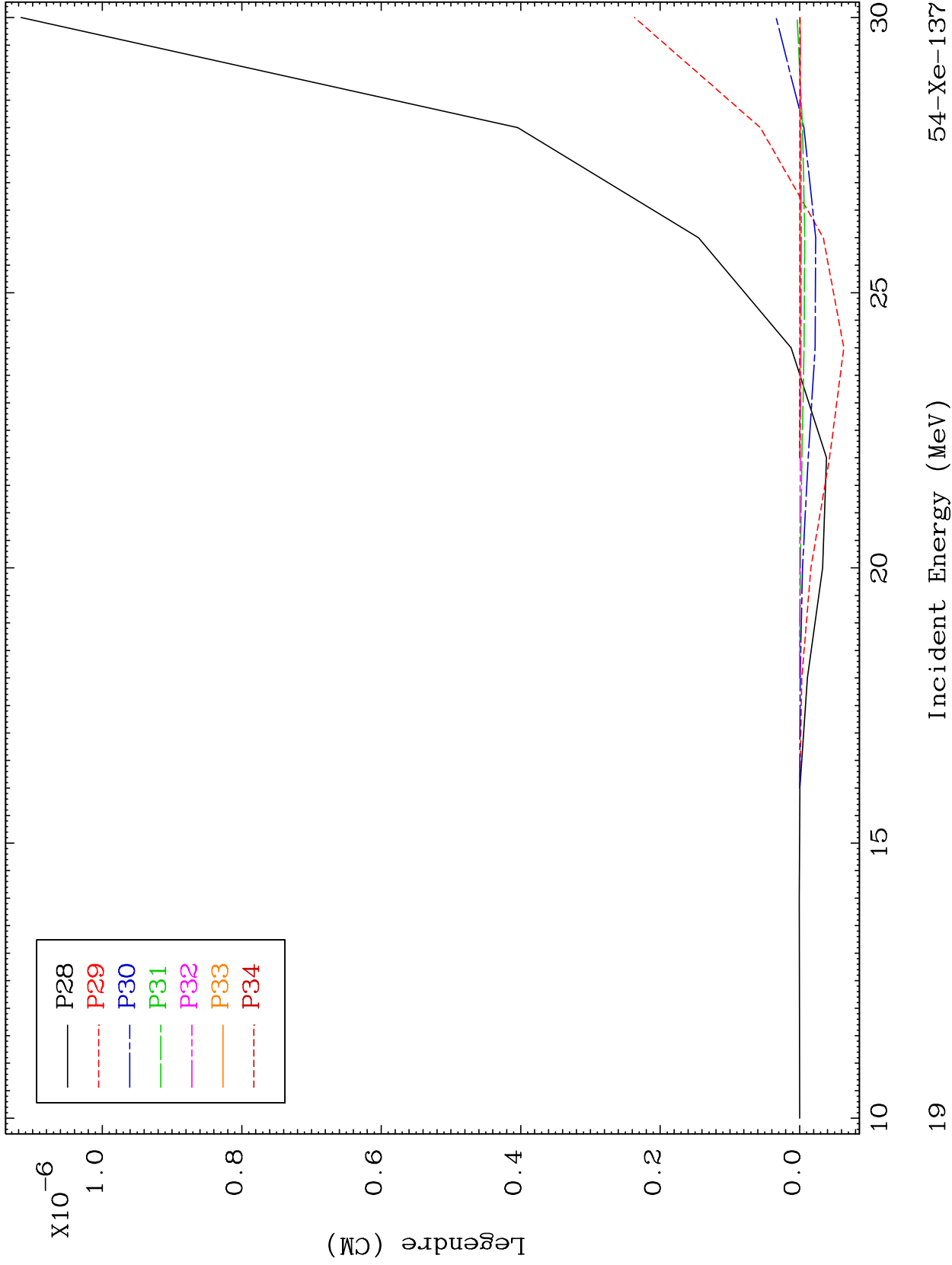
Incident Energy (MeV)

54-Xe-137

MAT 5464

Elastic Legendre Coefficients

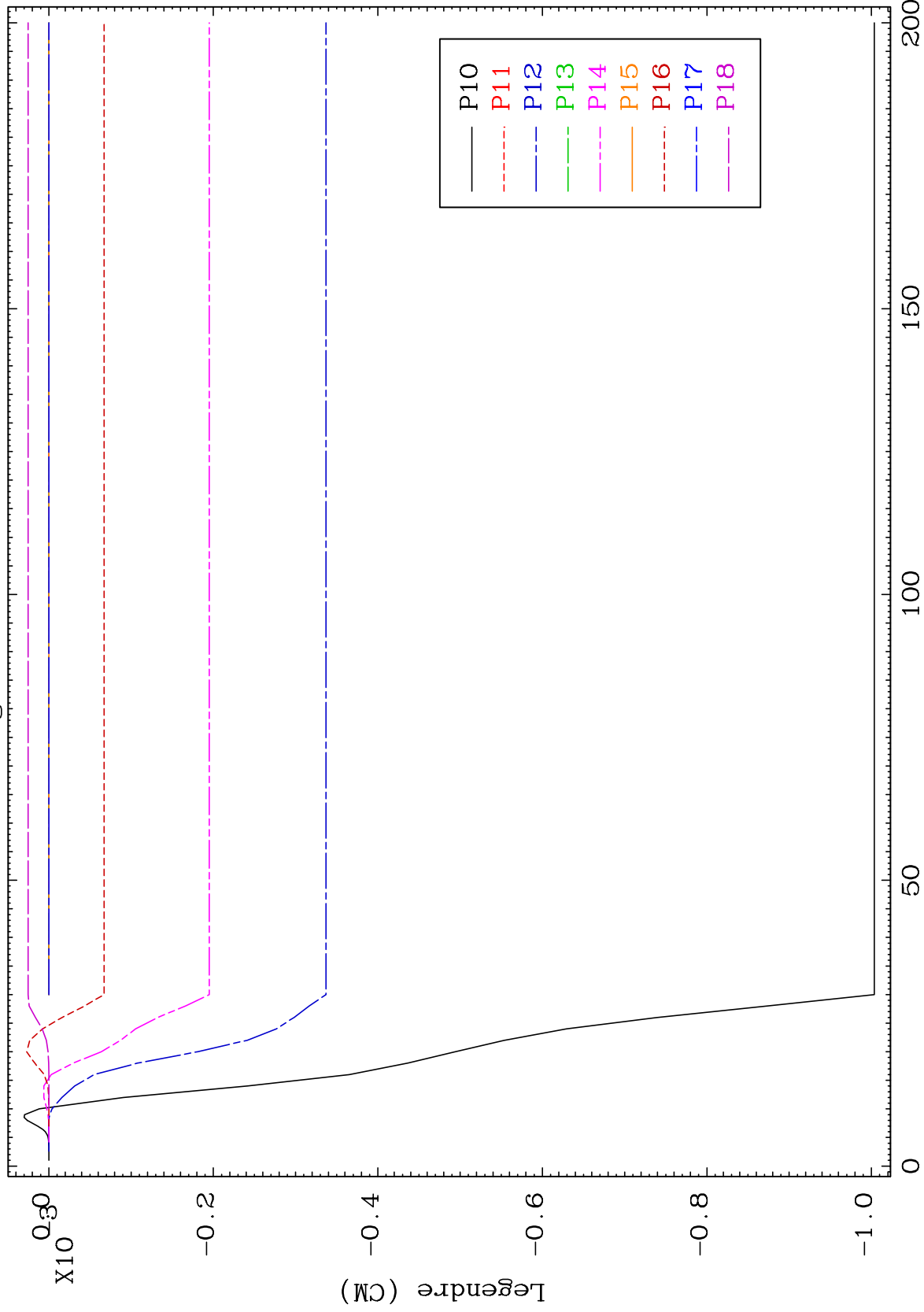
54-Xe-137



MAT 5464

601.0 keV (n,n') Level
Legendre Coefficients

54-Xe-137



21

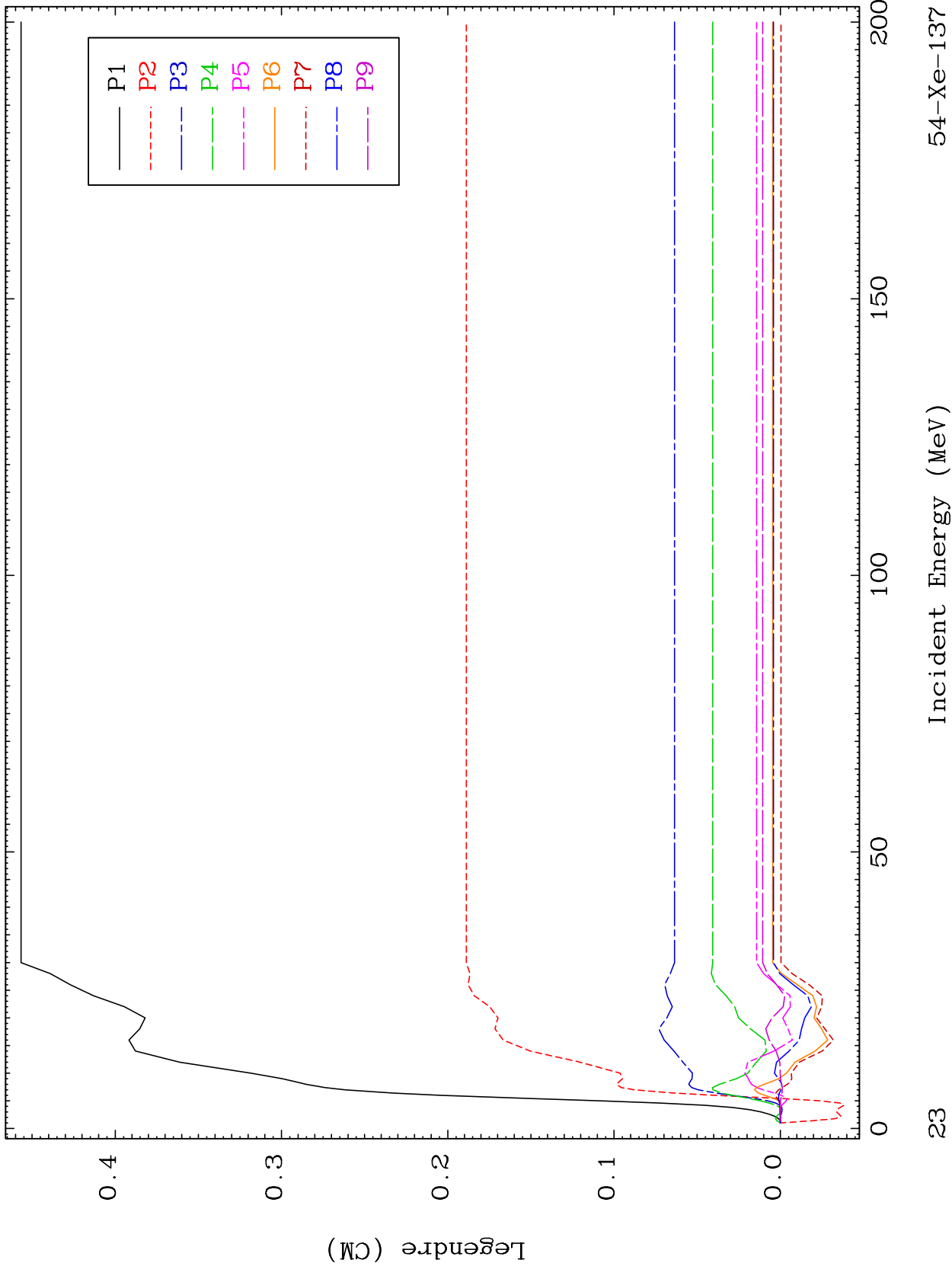
Incident Energy (MeV)

54-Xe-137

MAT 5464

986.2 keV (n,n') Level
Legendre Coefficients

54-Xe-137



54-Xe-137

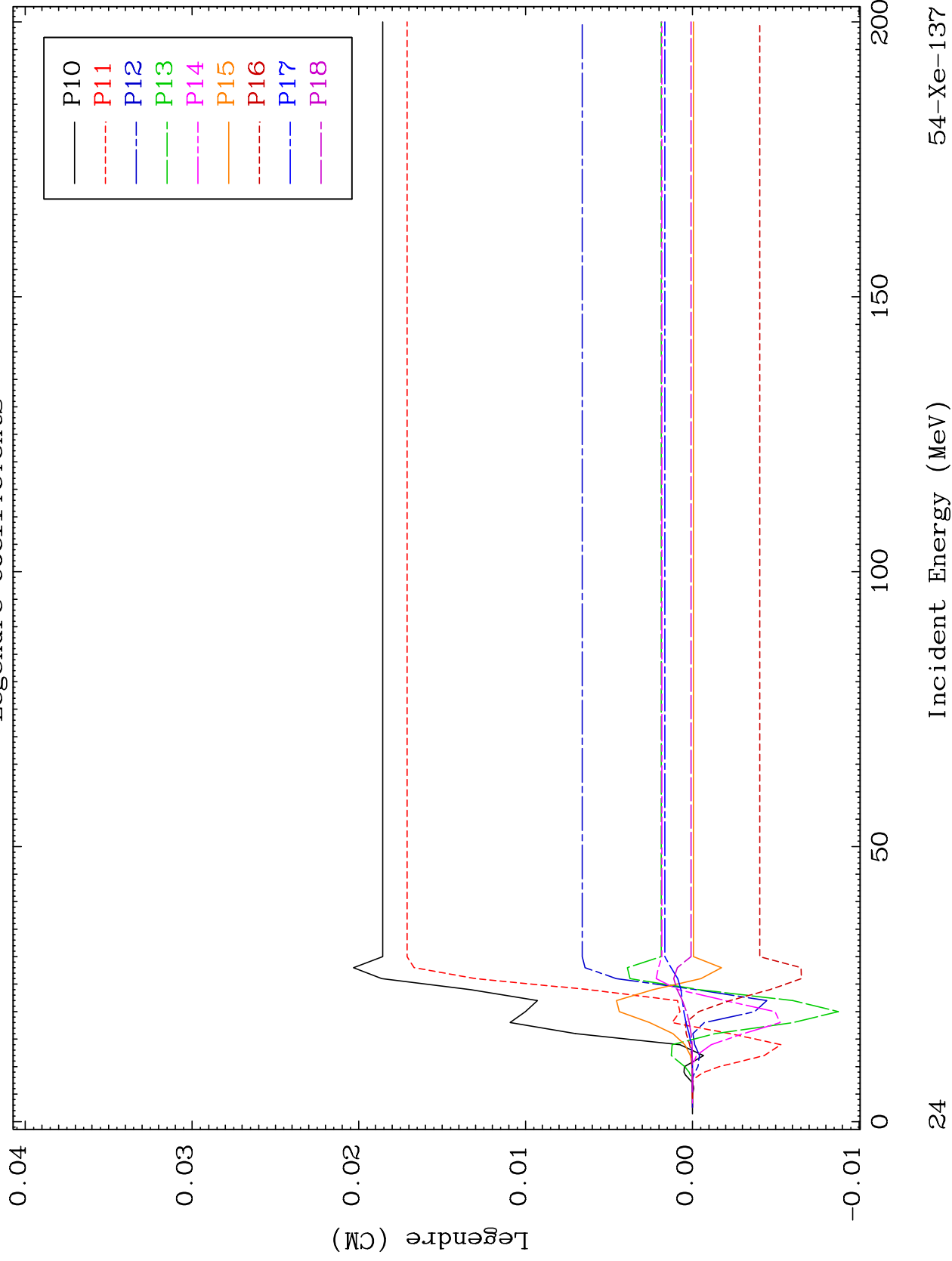
Incident Energy (MeV)

23

MAT 5464

986.2 keV (n,n') Level
Legendre Coefficients

54-Xe-137



24

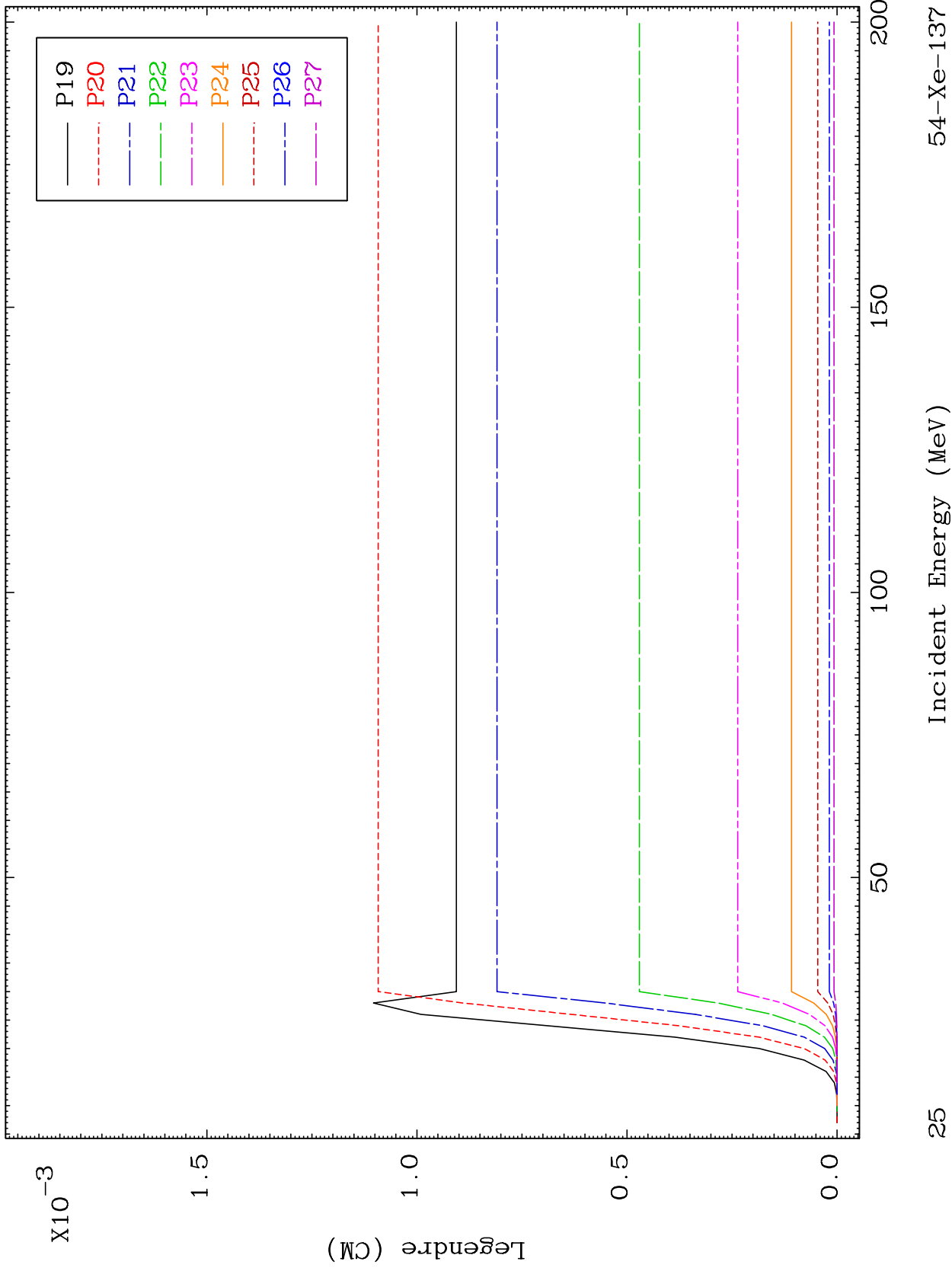
Incident Energy (MeV)

54-Xe-137

MAT 5464

986.2 keV (n,n') Level
Legendre Coefficients

54-Xe-137



25

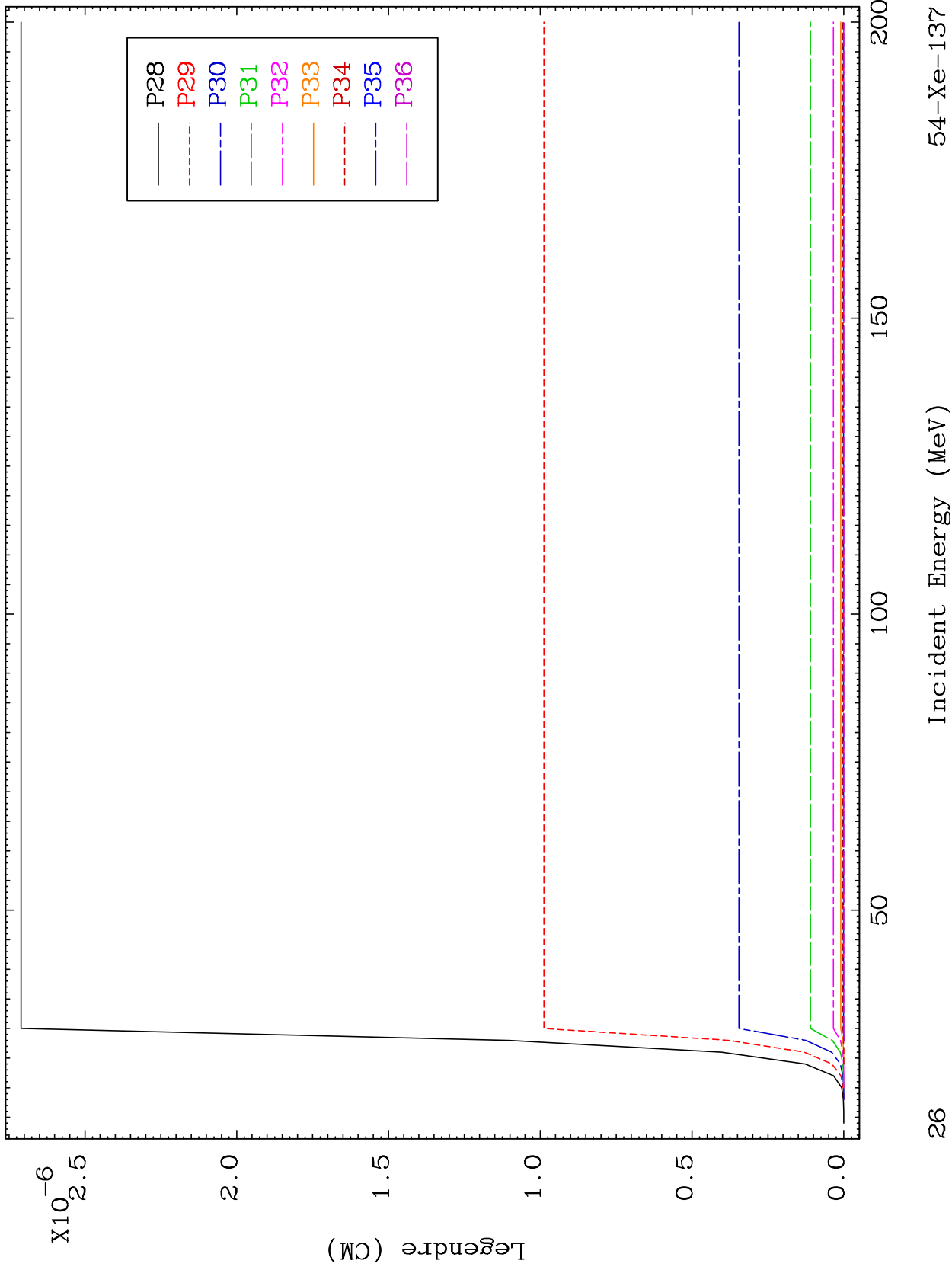
Incident Energy (MeV)

54-Xe-137

MAT 5464

986.2 keV (n, n') Level
Legendre Coefficients

54-Xe-137



26

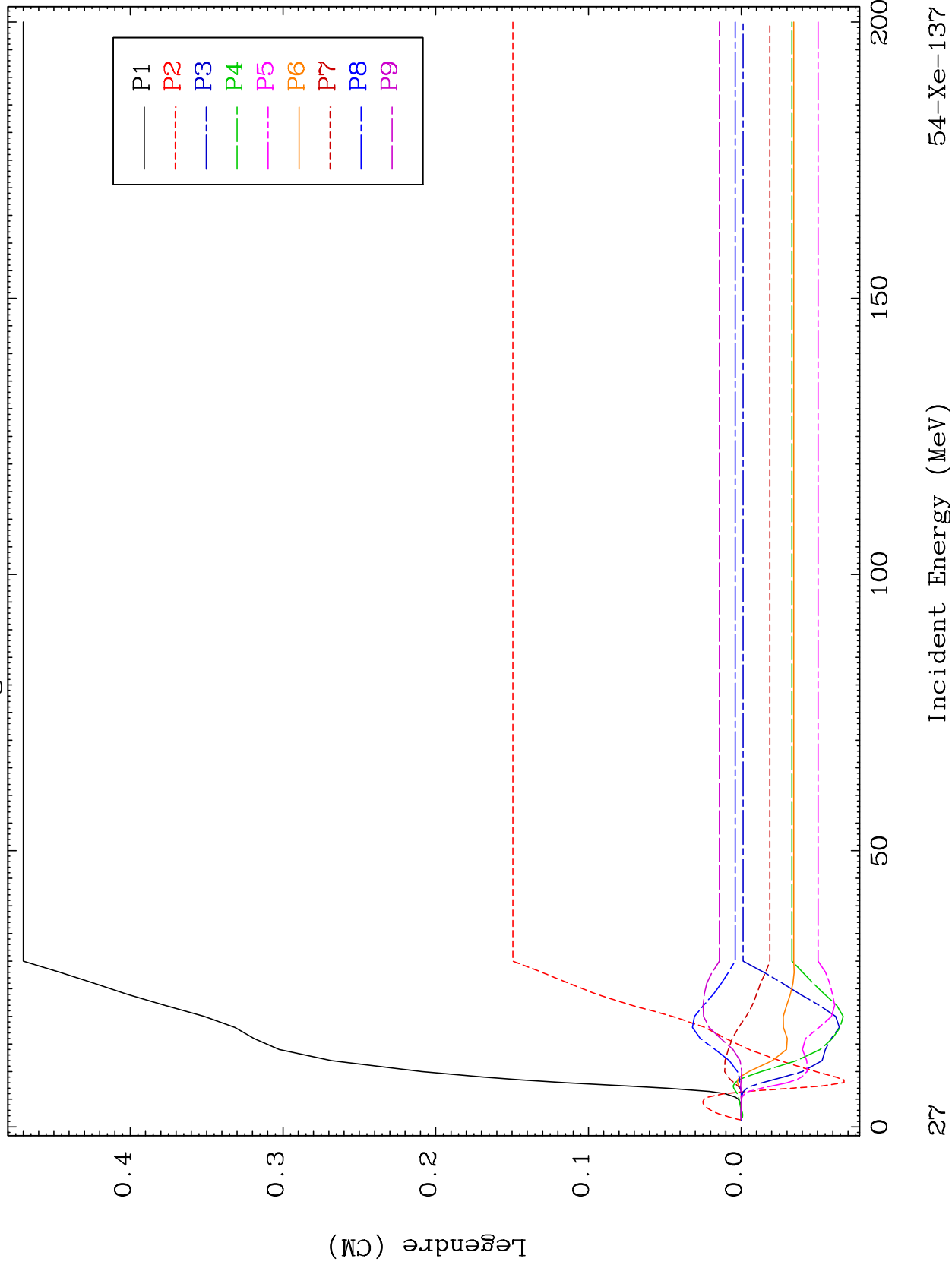
Incident Energy (MeV)

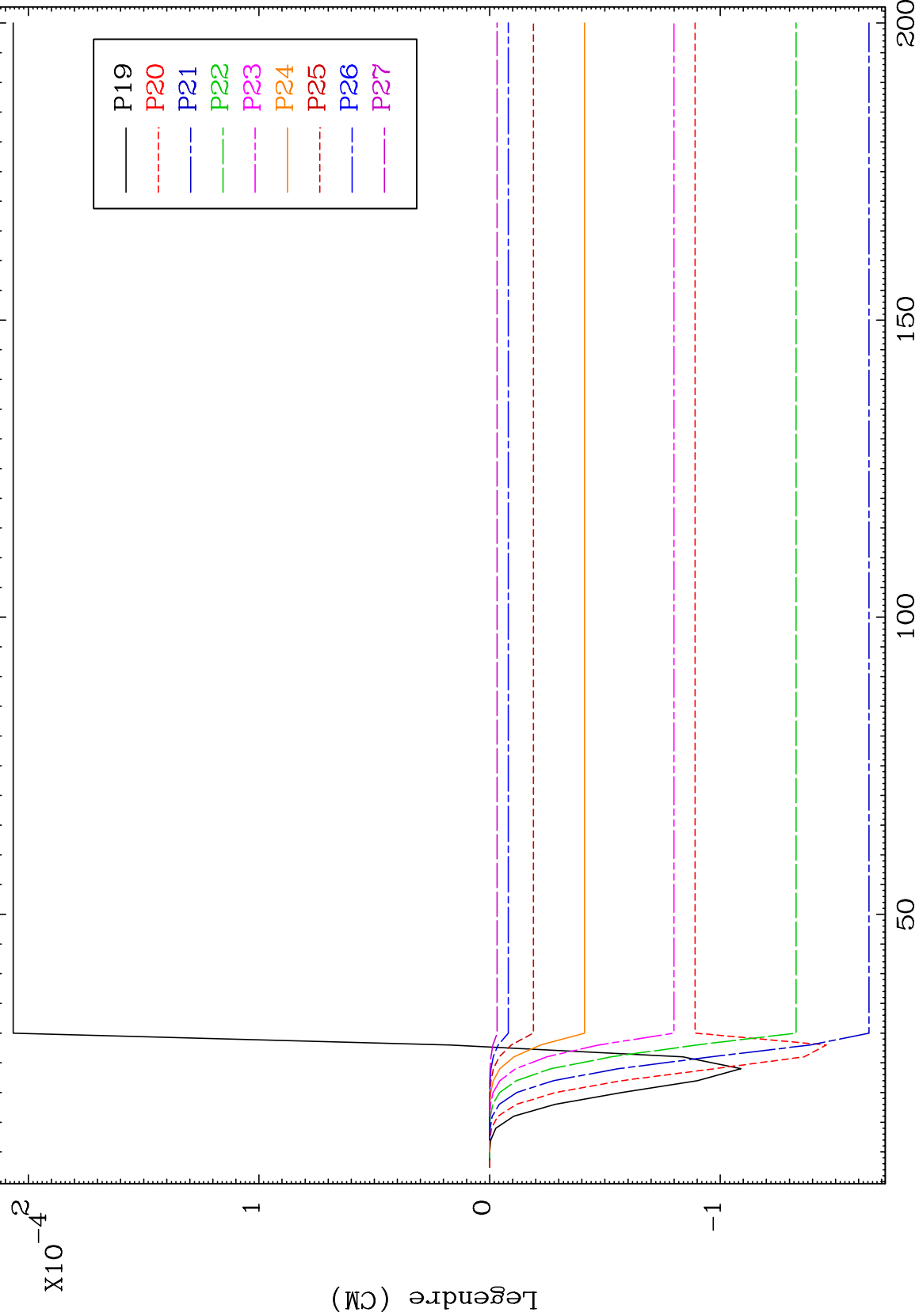
54-Xe-137

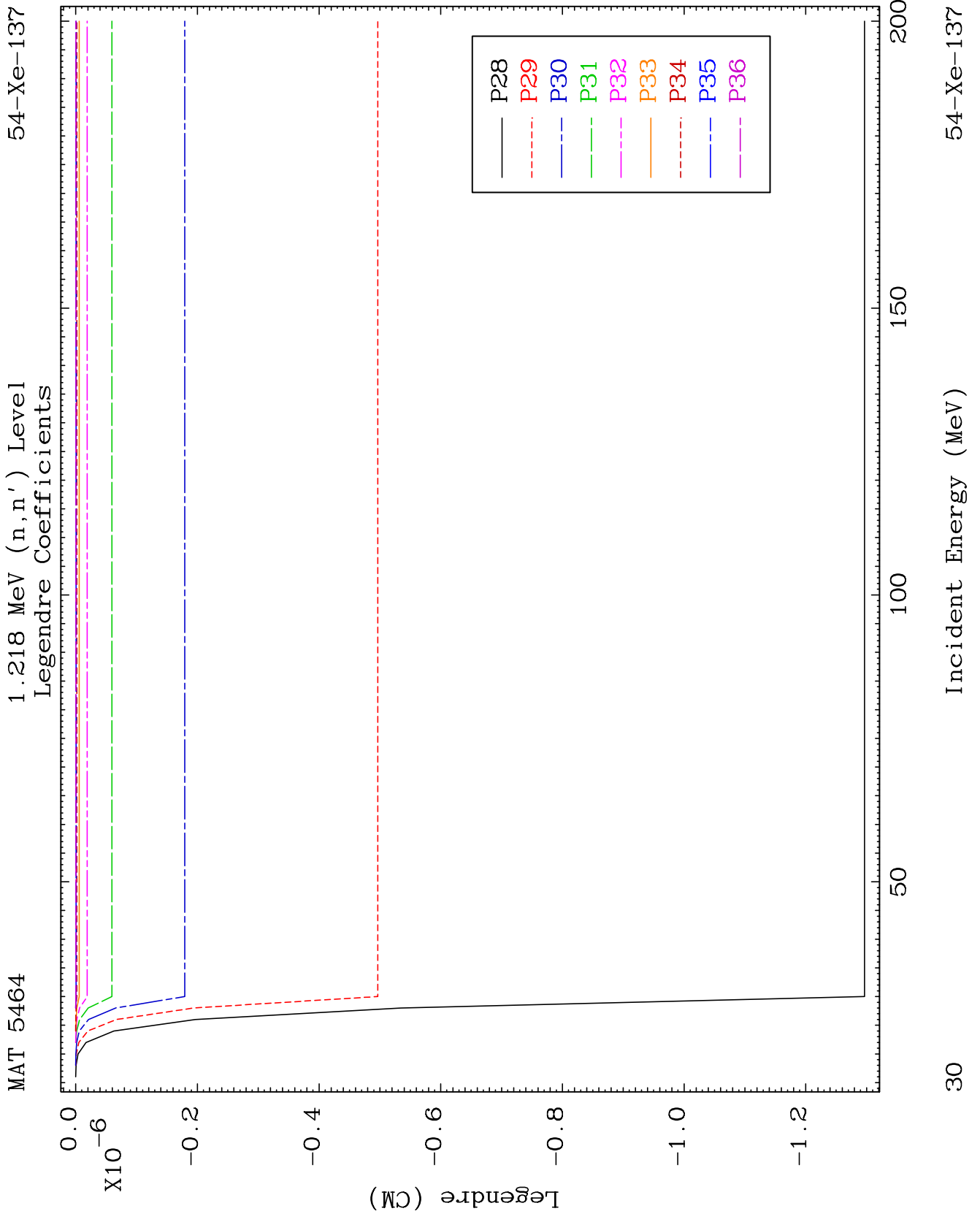
MAT 5464

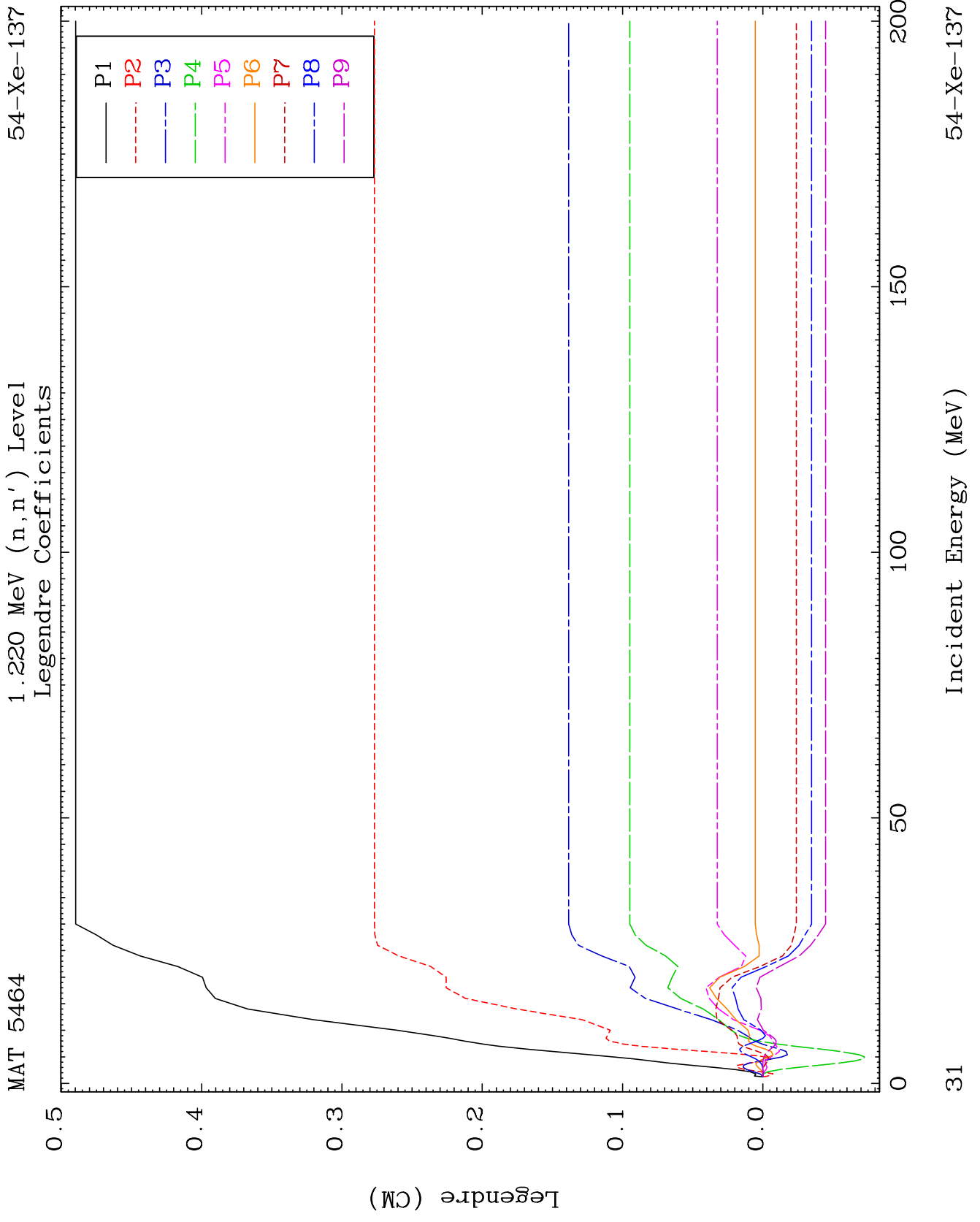
1.218 MeV (n,n') Level
Legendre Coefficients

54-Xe-137





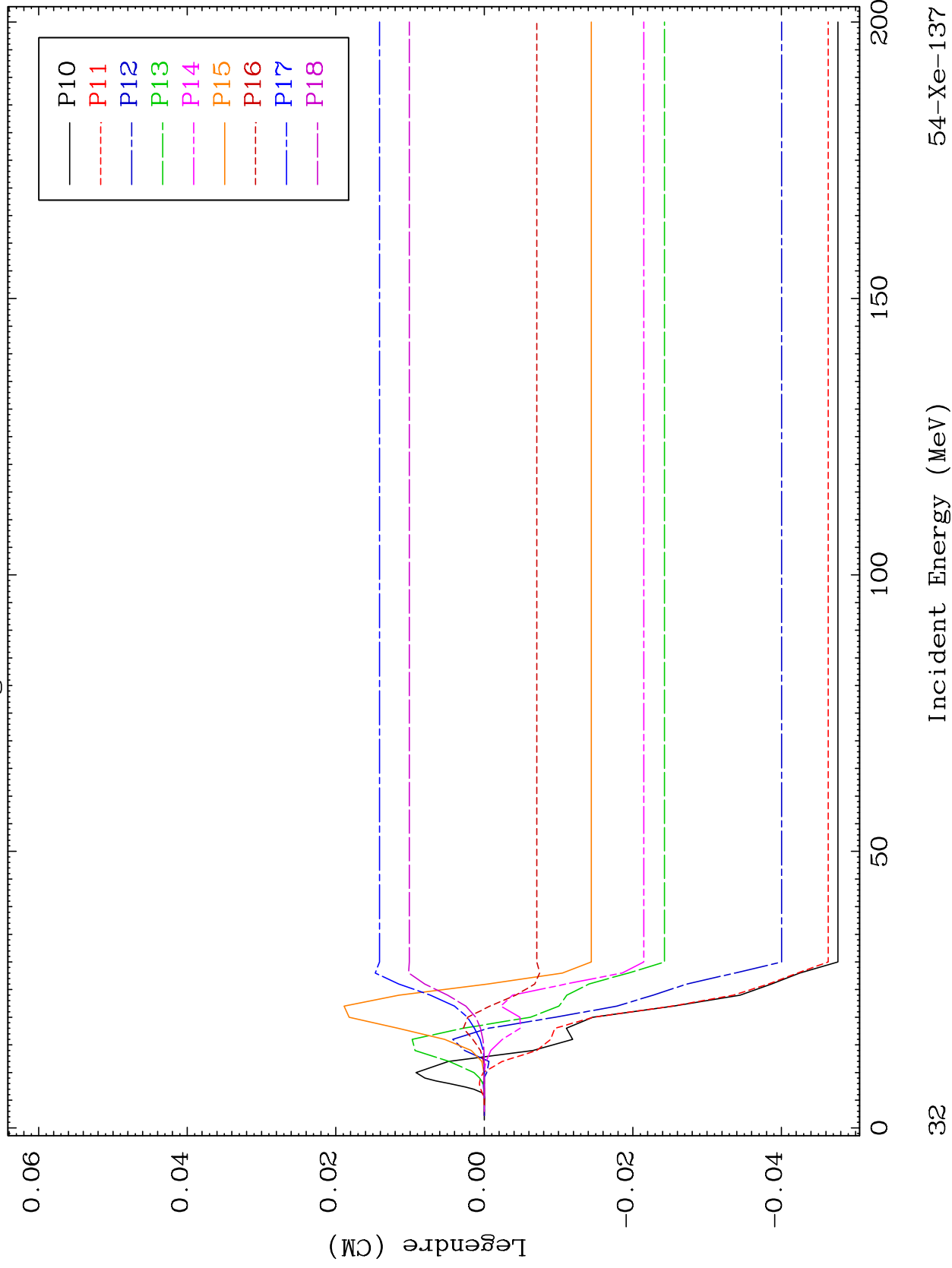




MAT 5464

1.220 MeV (n,n') Level
Legendre Coefficients

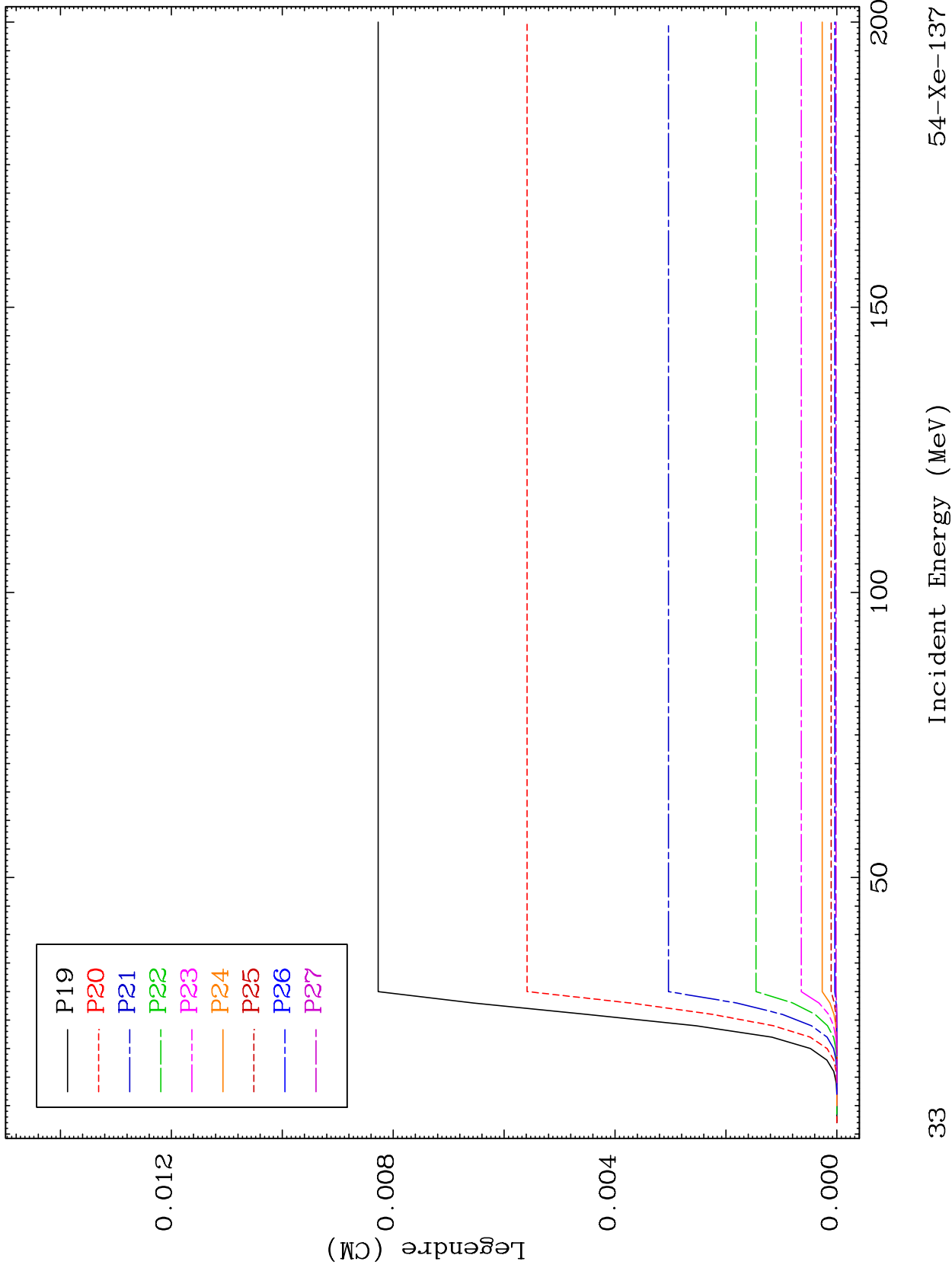
54-Xe-137



32

Incident Energy (MeV)

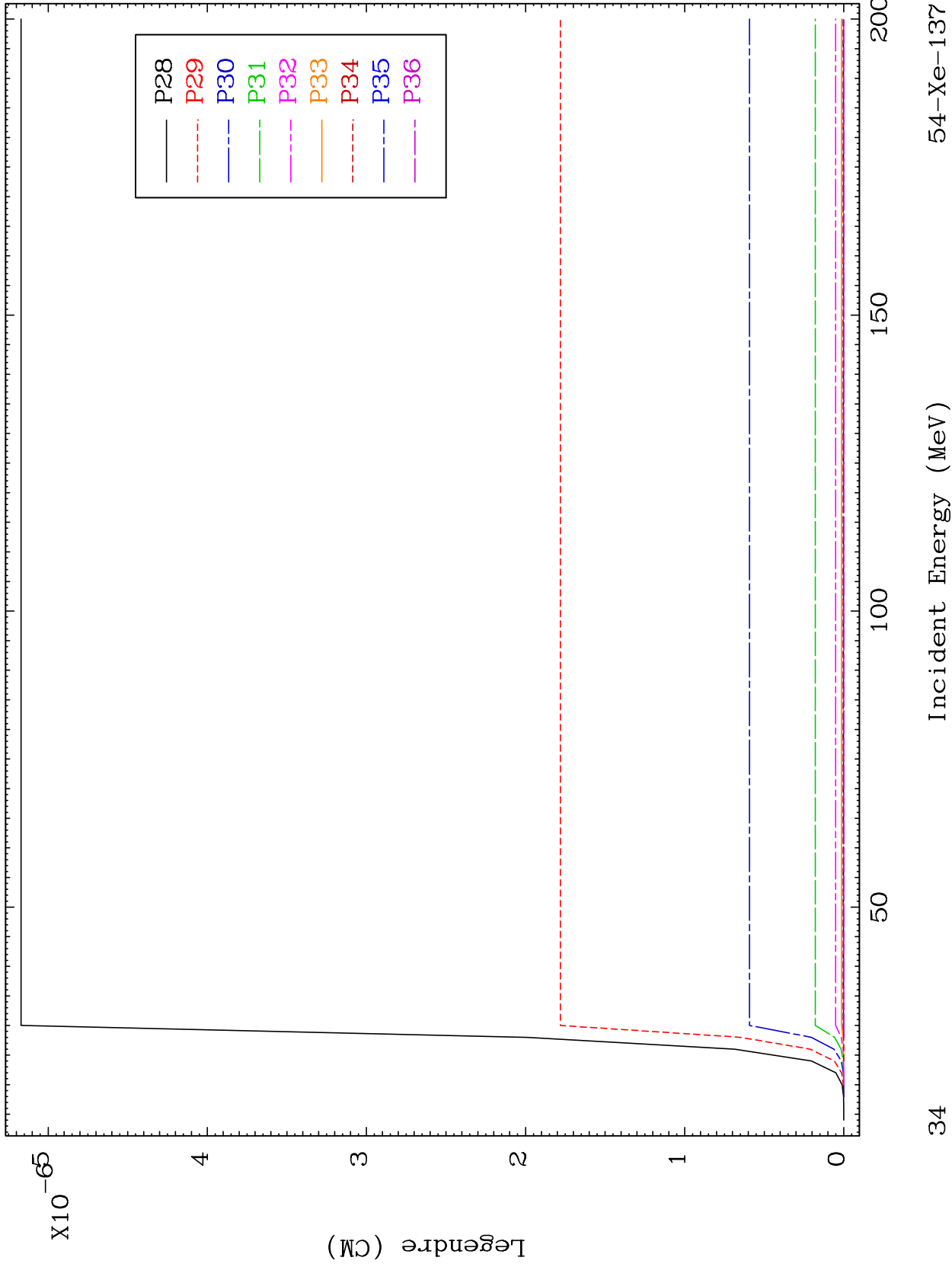
54-Xe-137



MAT 5464

1.220 MeV (n,n') Level
Legendre Coefficients

54-Xe-137



34

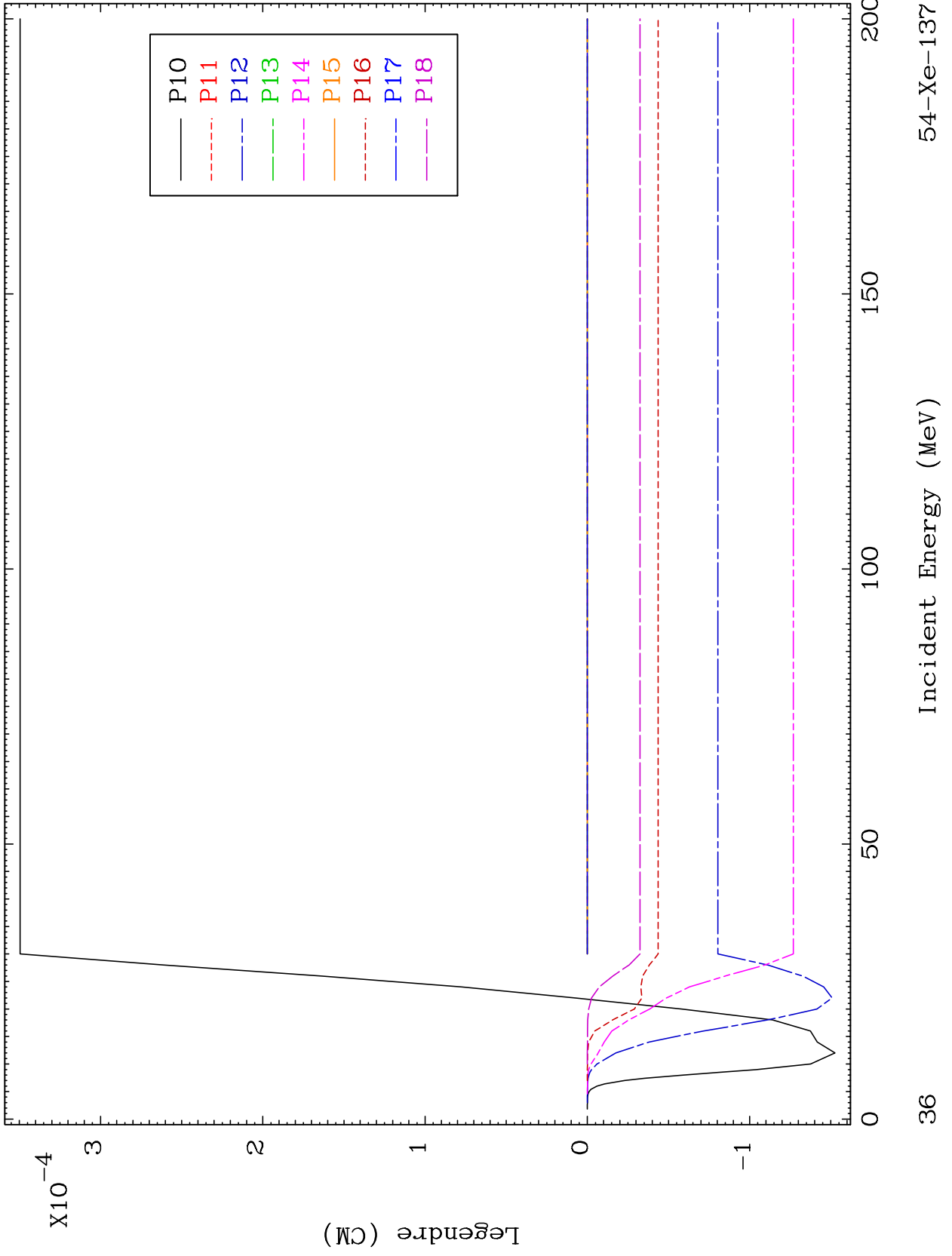
Incident Energy (MeV)

54-Xe-137

MAT 5464

1.303 MeV (n,n') Level
Legendre Coefficients

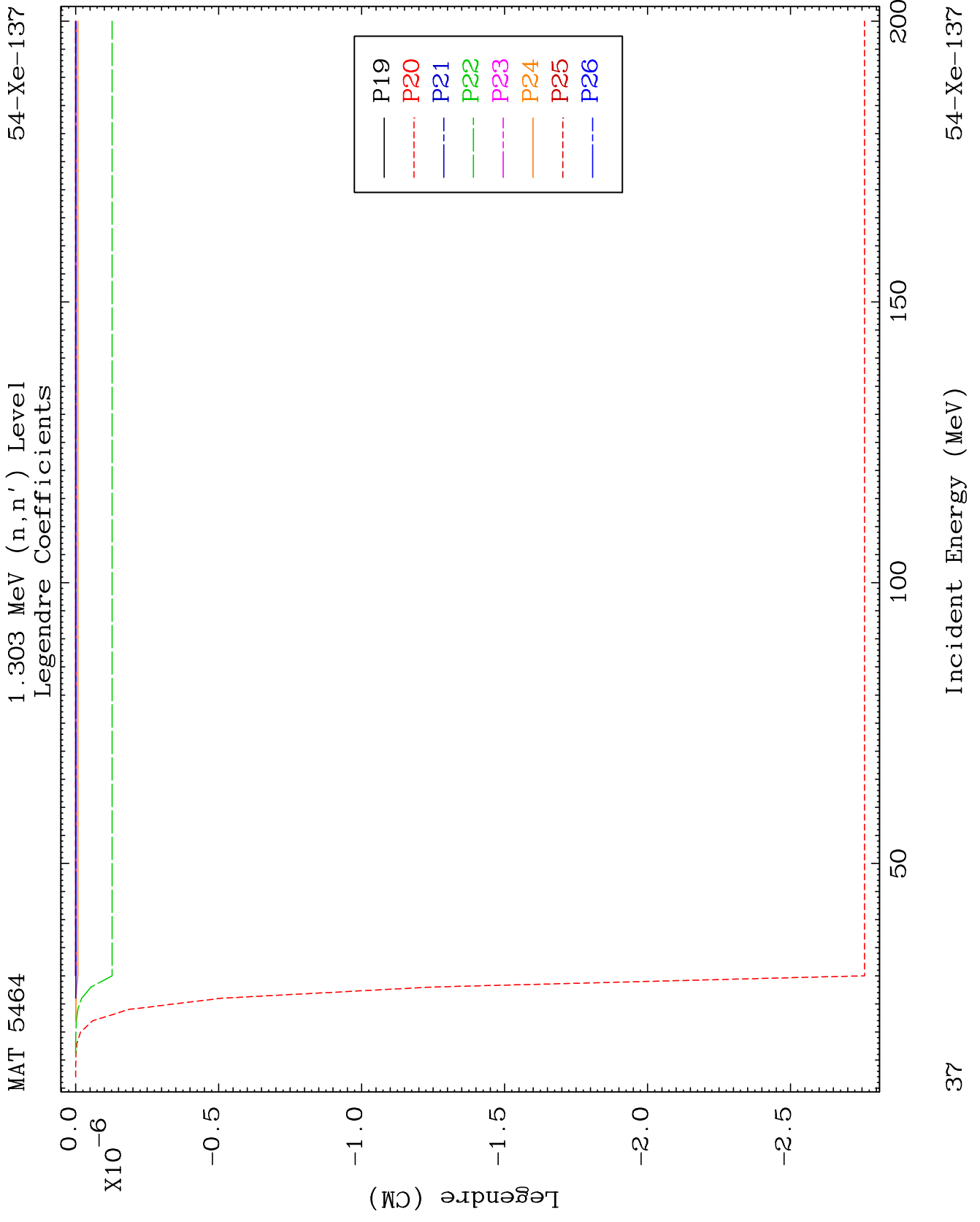
54-Xe-137



36

Incident Energy (MeV)

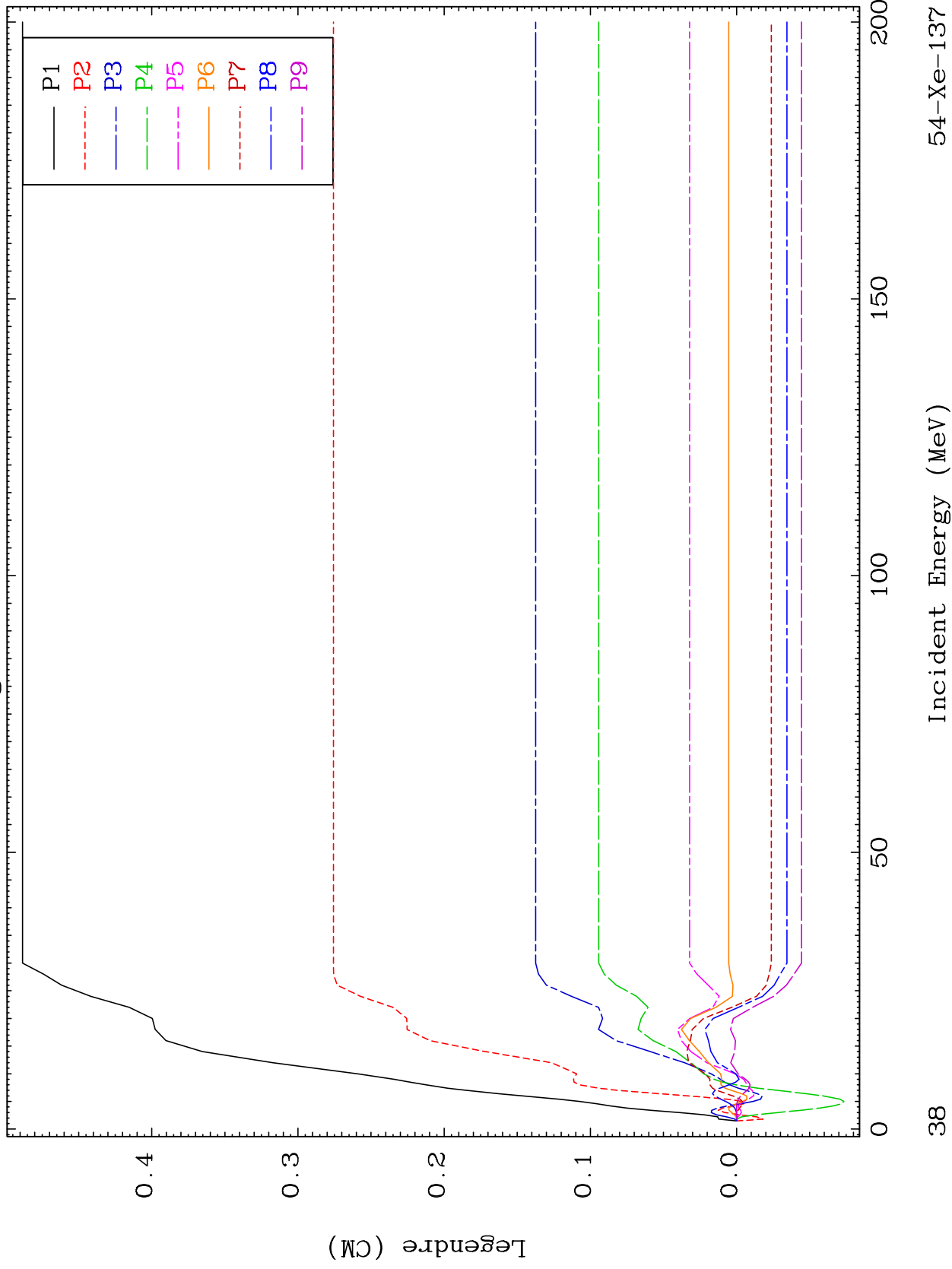
54-Xe-137



MAT 5464

1.461 MeV (n,n') Level
Legendre Coefficients

54-Xe-137



54-Xe-137

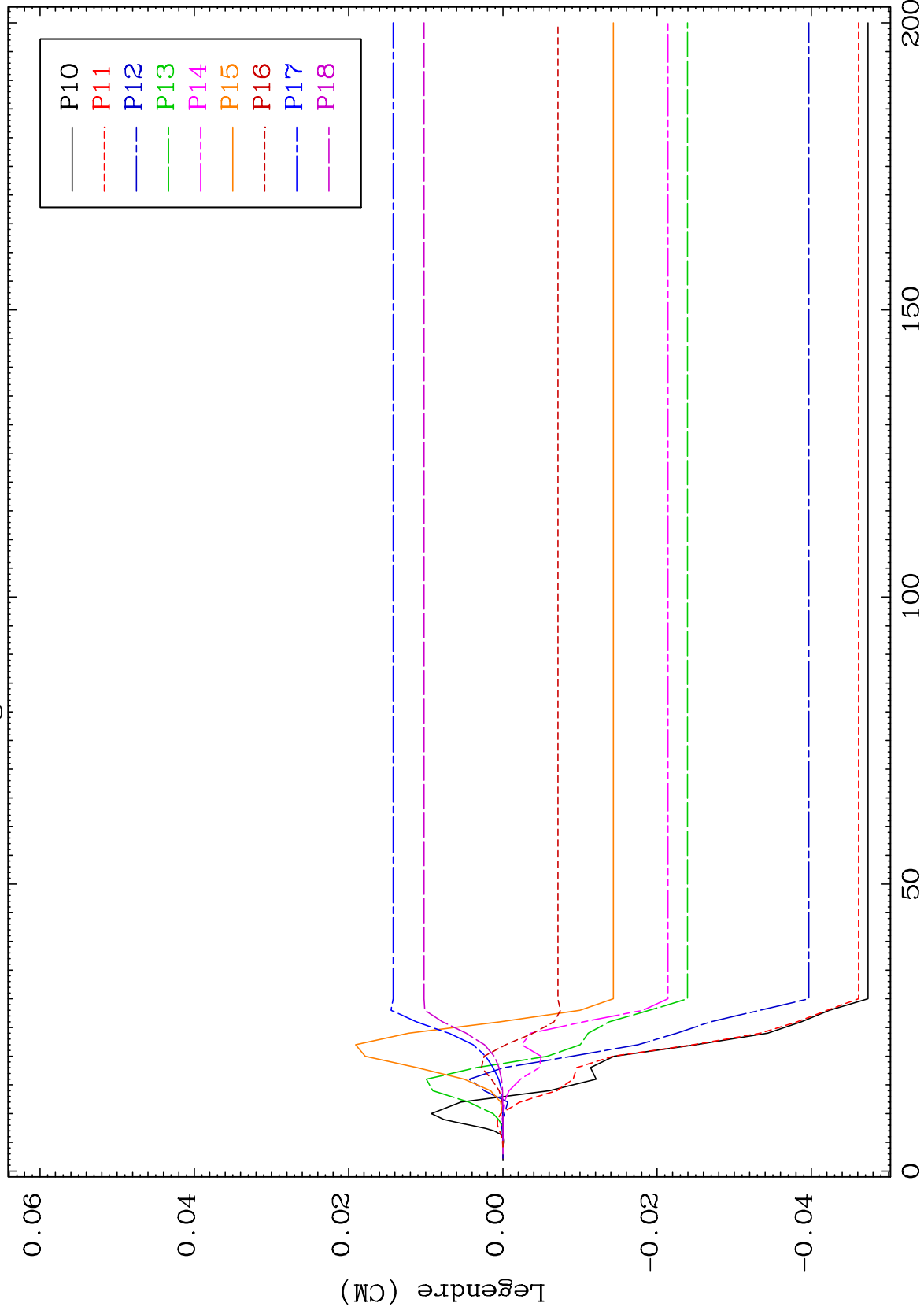
Incident Energy (MeV)

38

MAT 5464

1.461 MeV (n,n') Level
Legendre Coefficients

54-Xe-137



39

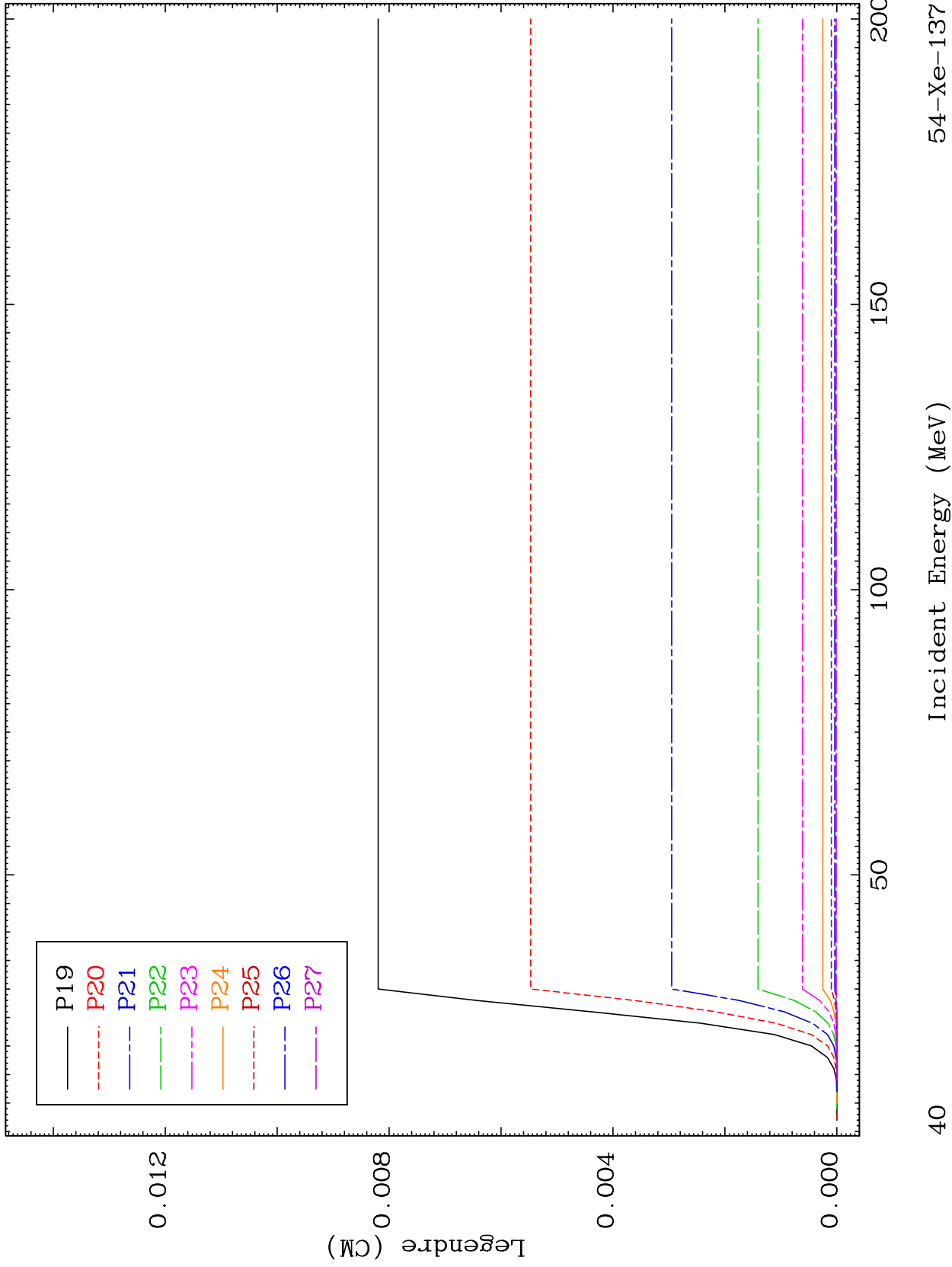
Incident Energy (MeV)

54-Xe-137

MAT 5464

1.461 MeV (n, n') Level
Legendre Coefficients

54-Xe-137



54-Xe-137

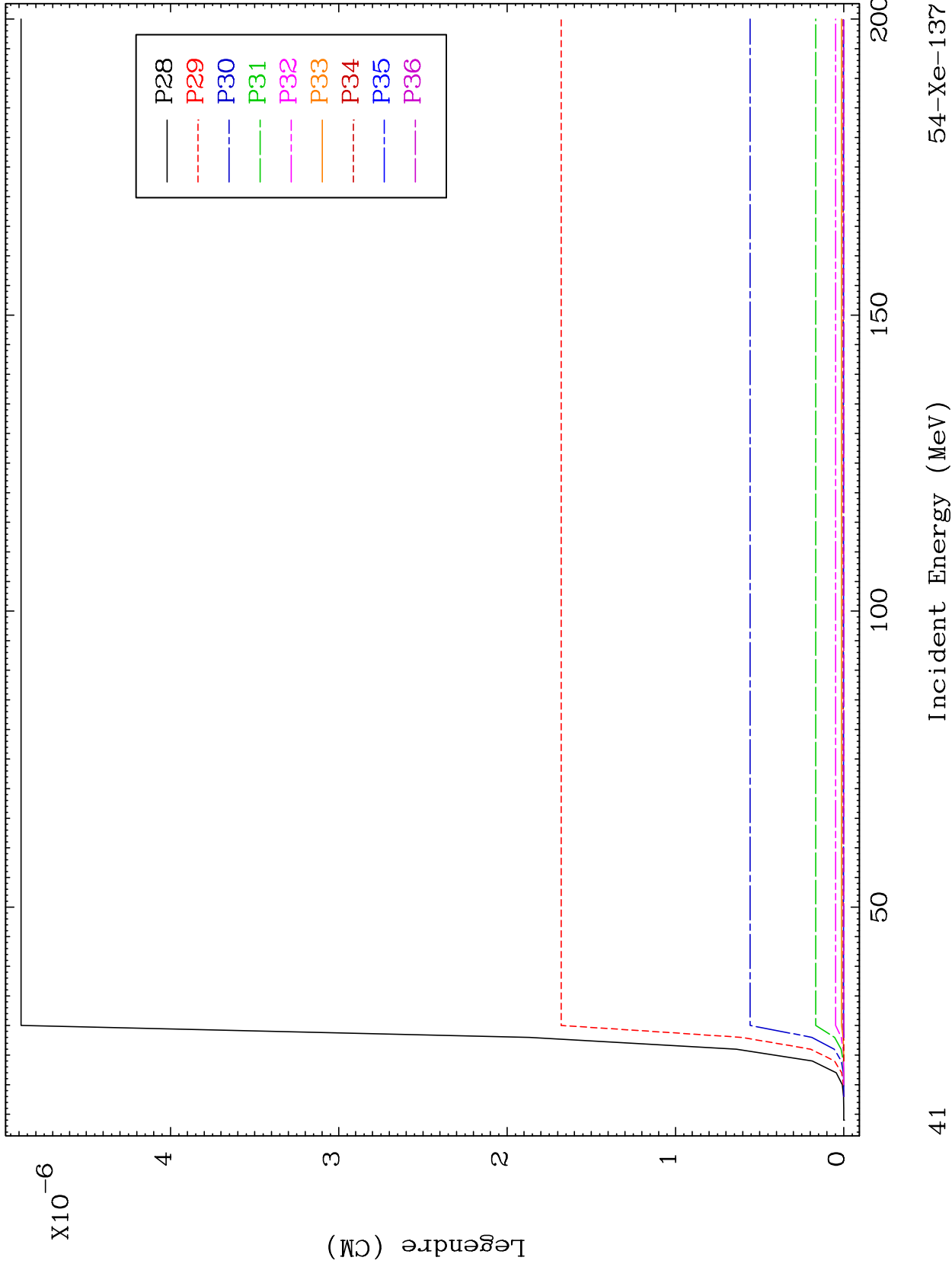
Incident Energy (MeV)

40

MAT 5464

1.461 MeV (n,n') Level
Legendre Coefficients

54-Xe-137

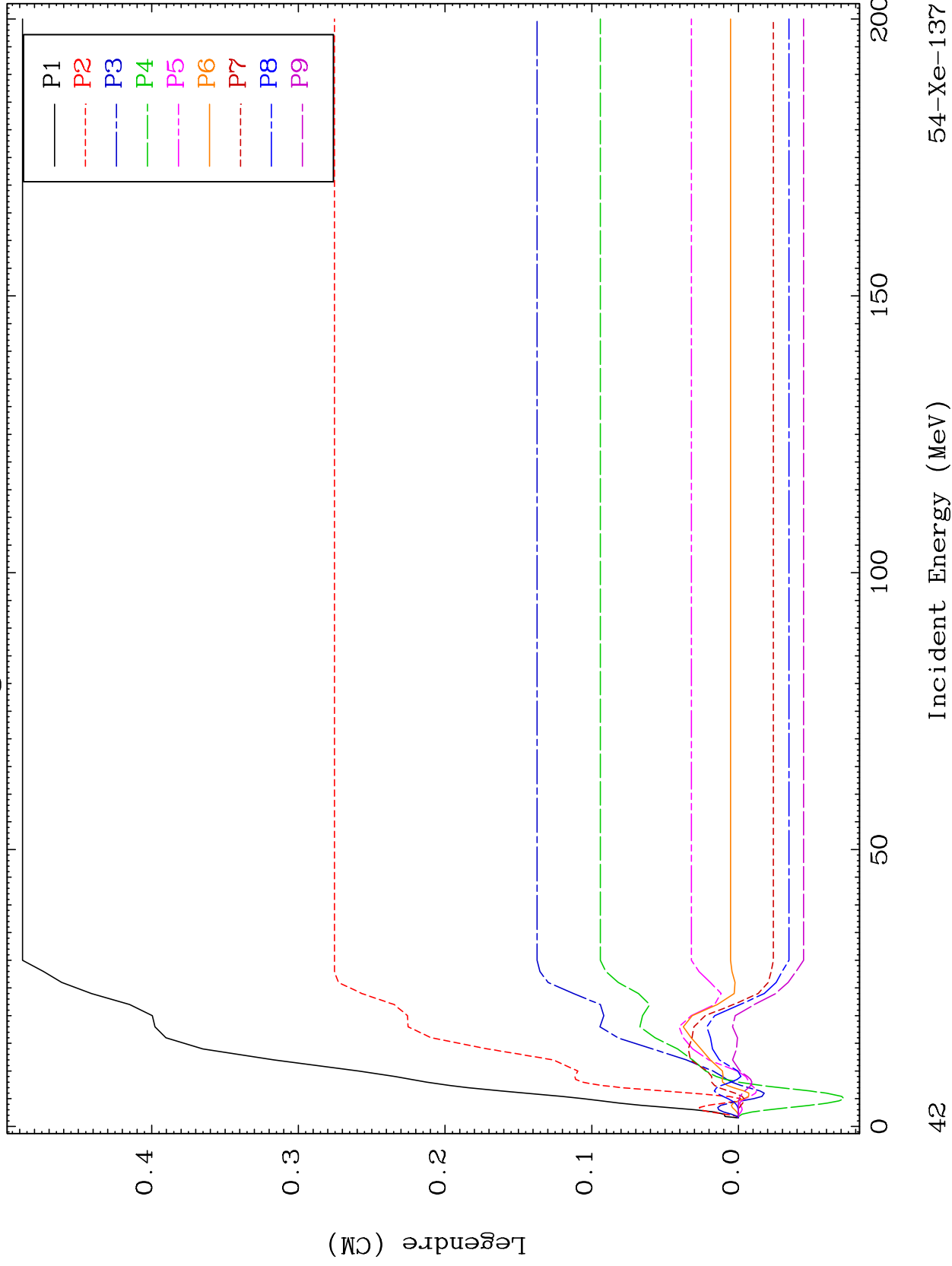


41

MAT 5464

1.512 MeV (n,n') Level
Legendre Coefficients

54-Xe-137

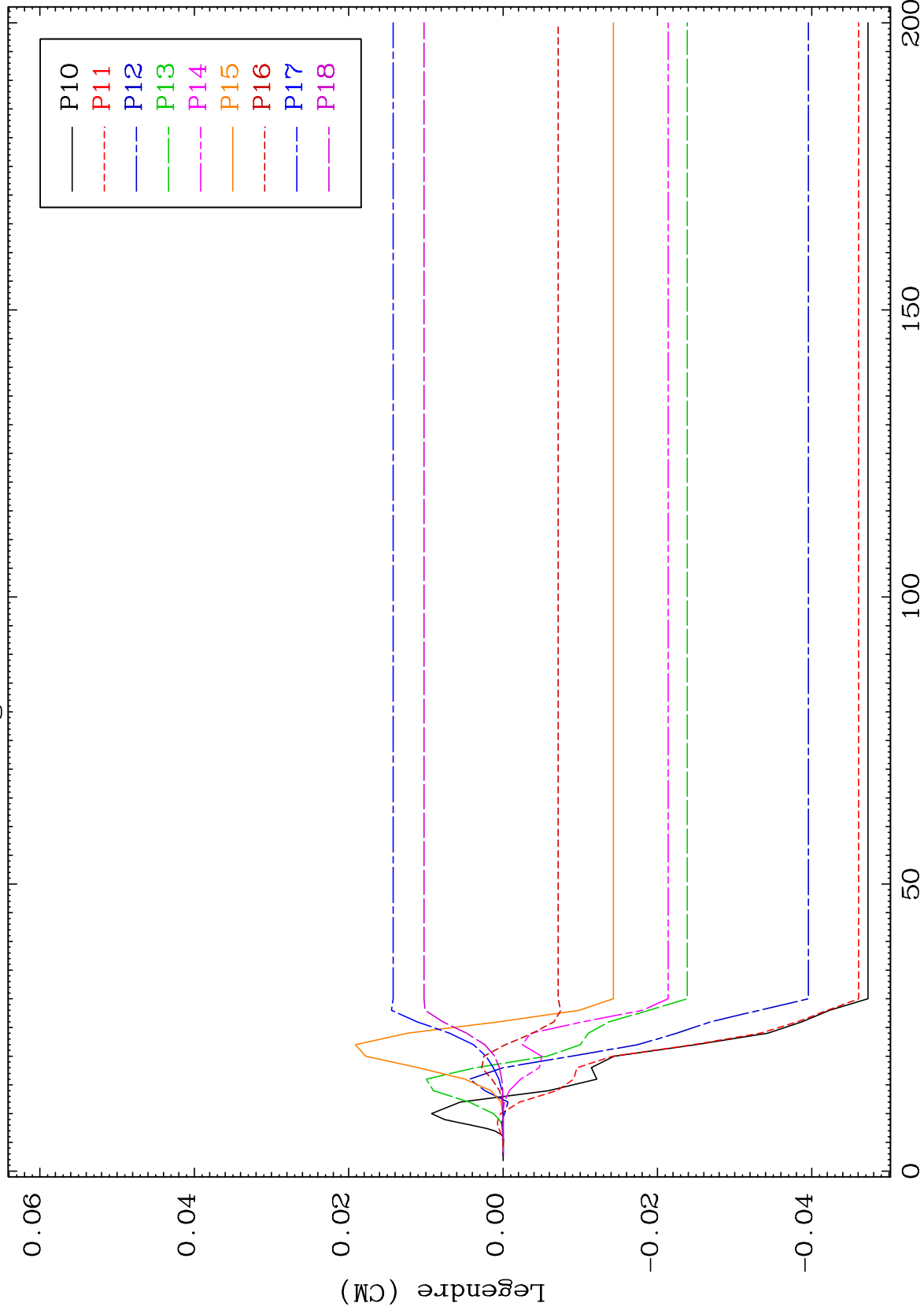


42

MAT 5464

1.512 MeV (n,n') Level
Legendre Coefficients

54-Xe-137



43

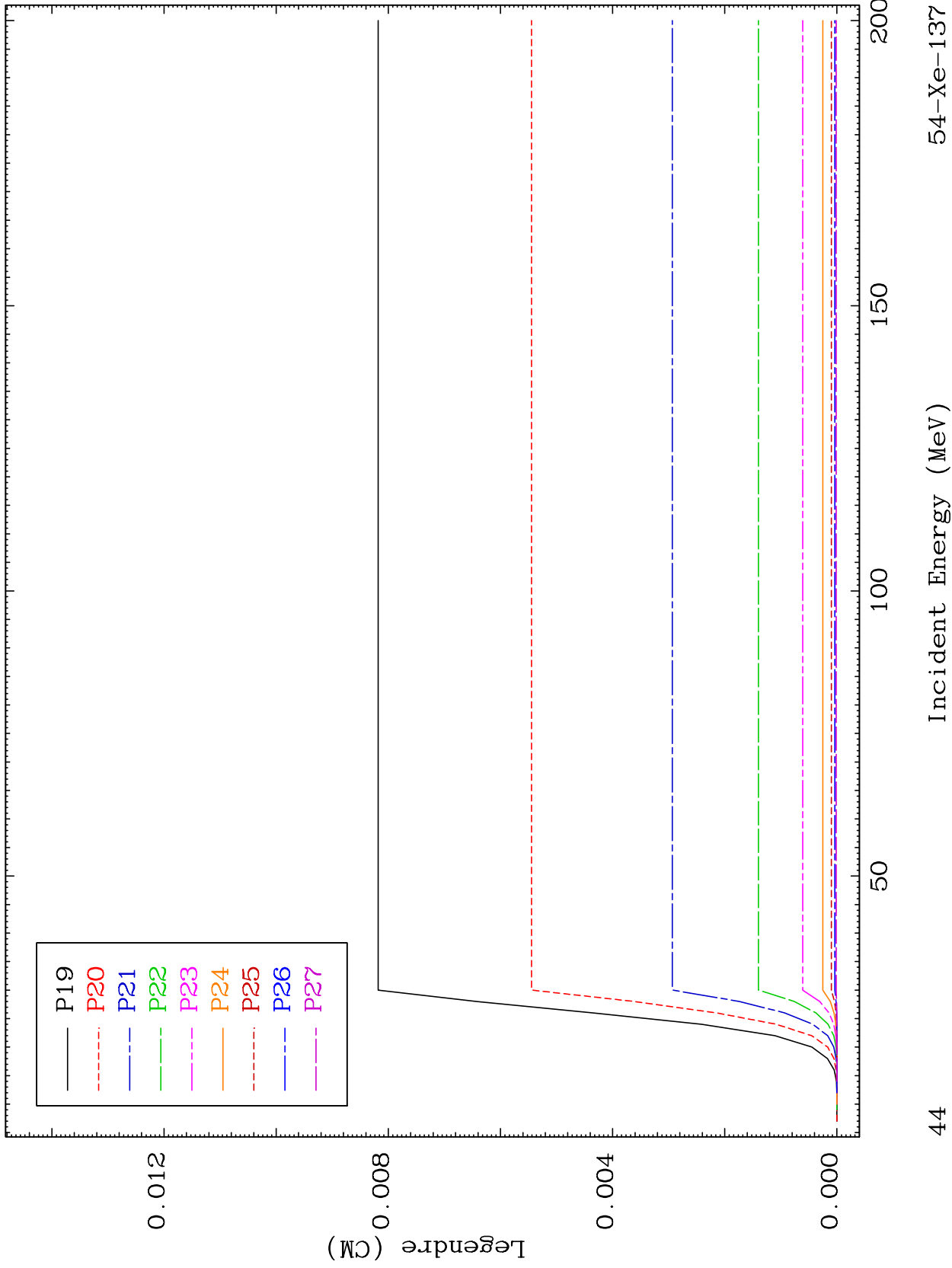
Incident Energy (MeV)

54-Xe-137

MAT 5464

1.512 MeV (n, n') Level
Legendre Coefficients

54-Xe-137



44

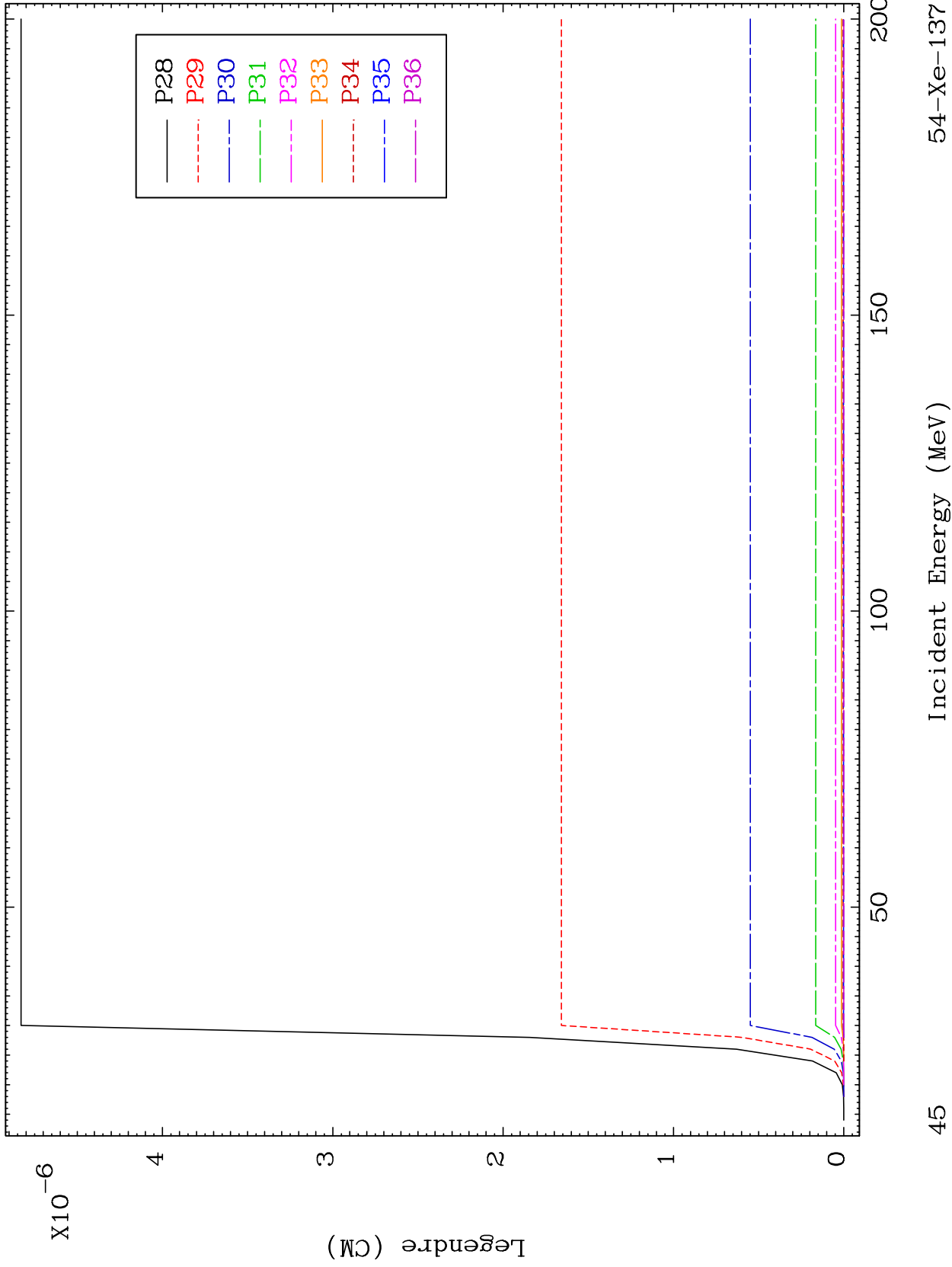
Incident Energy (MeV)

54-Xe-137

MAT 5464

1.512 MeV (n, n') Level
Legendre Coefficients

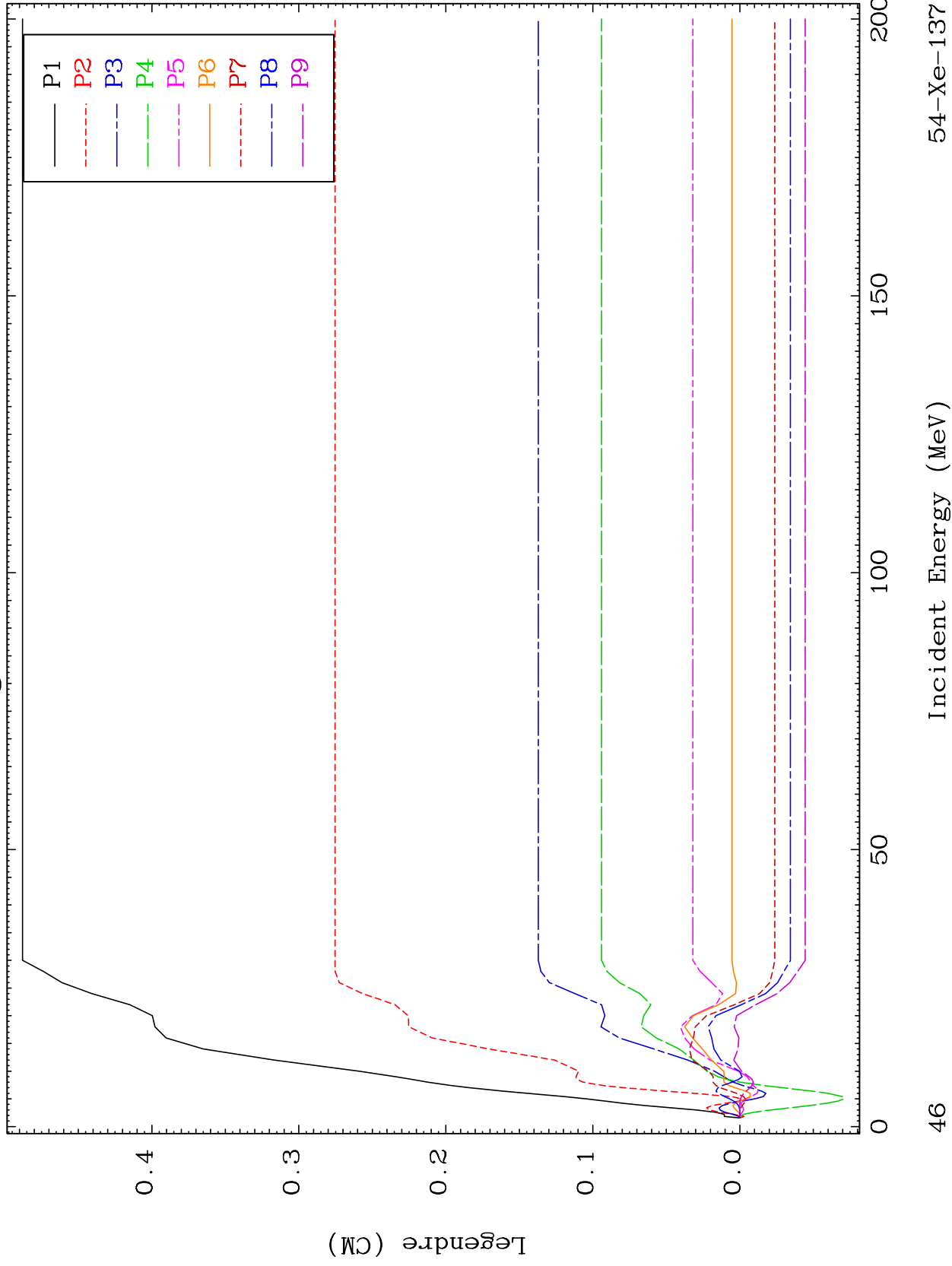
54-Xe-137



MAT 5464

1.534 MeV (n,n') Level
Legendre Coefficients

54-Xe-137



54-Xe-137

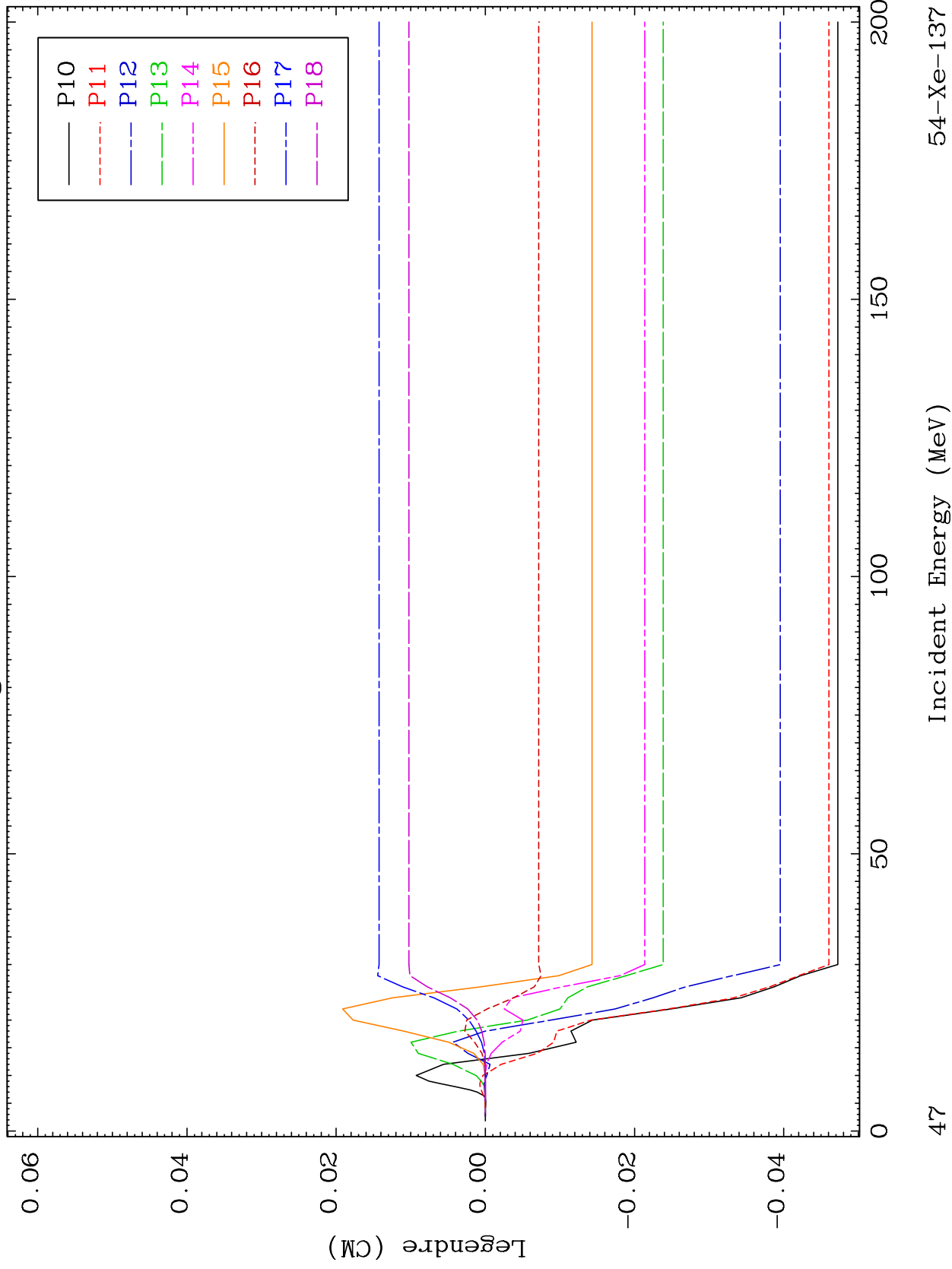
Incident Energy (MeV)

46

MAT 5464

1.534 MeV (n,n') Level
Legendre Coefficients

54-Xe-137



47

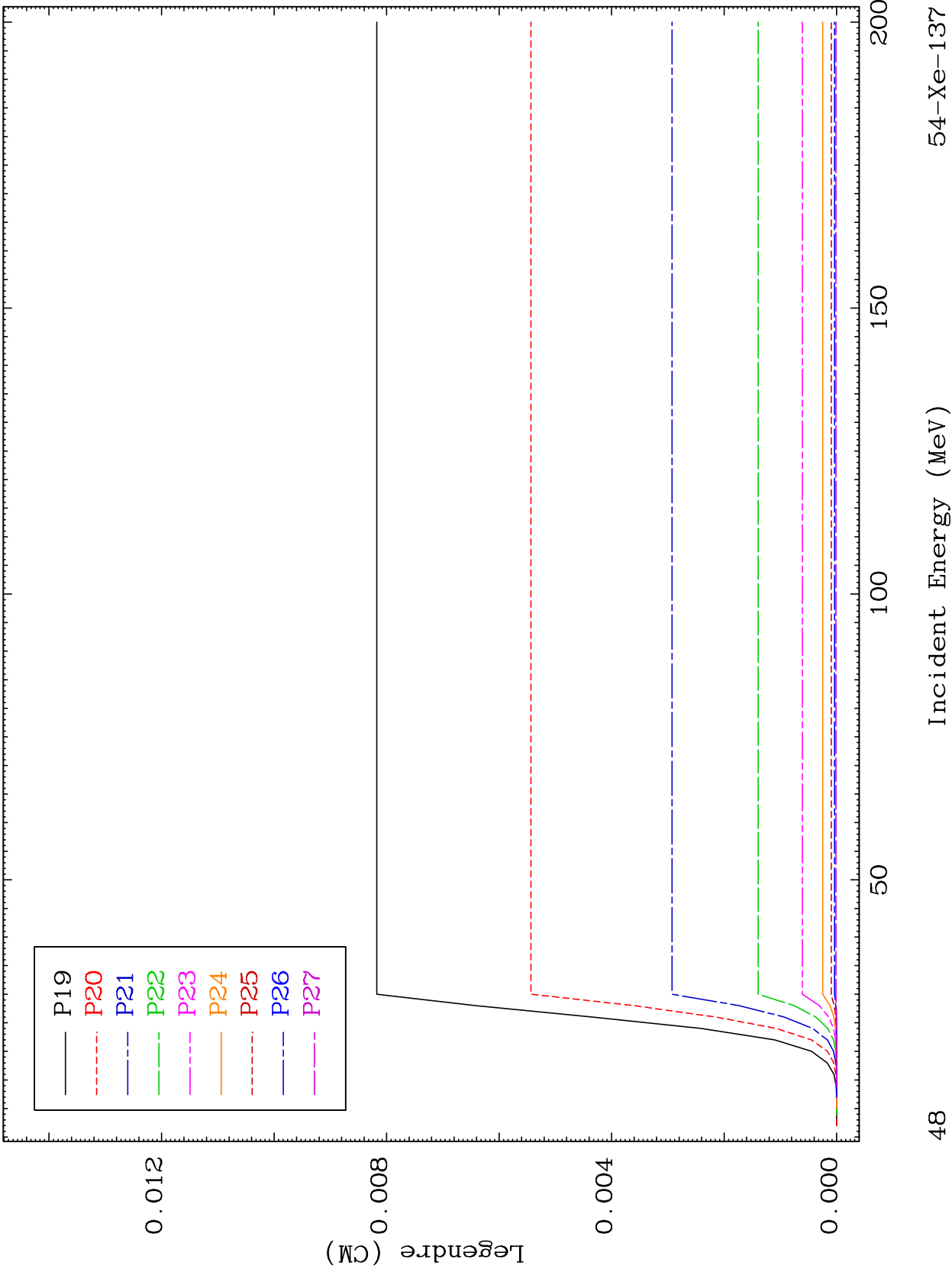
Incident Energy (MeV)

54-Xe-137

MAT 5464

1.534 MeV (n, n') Level
Legendre Coefficients

54-Xe-137



48

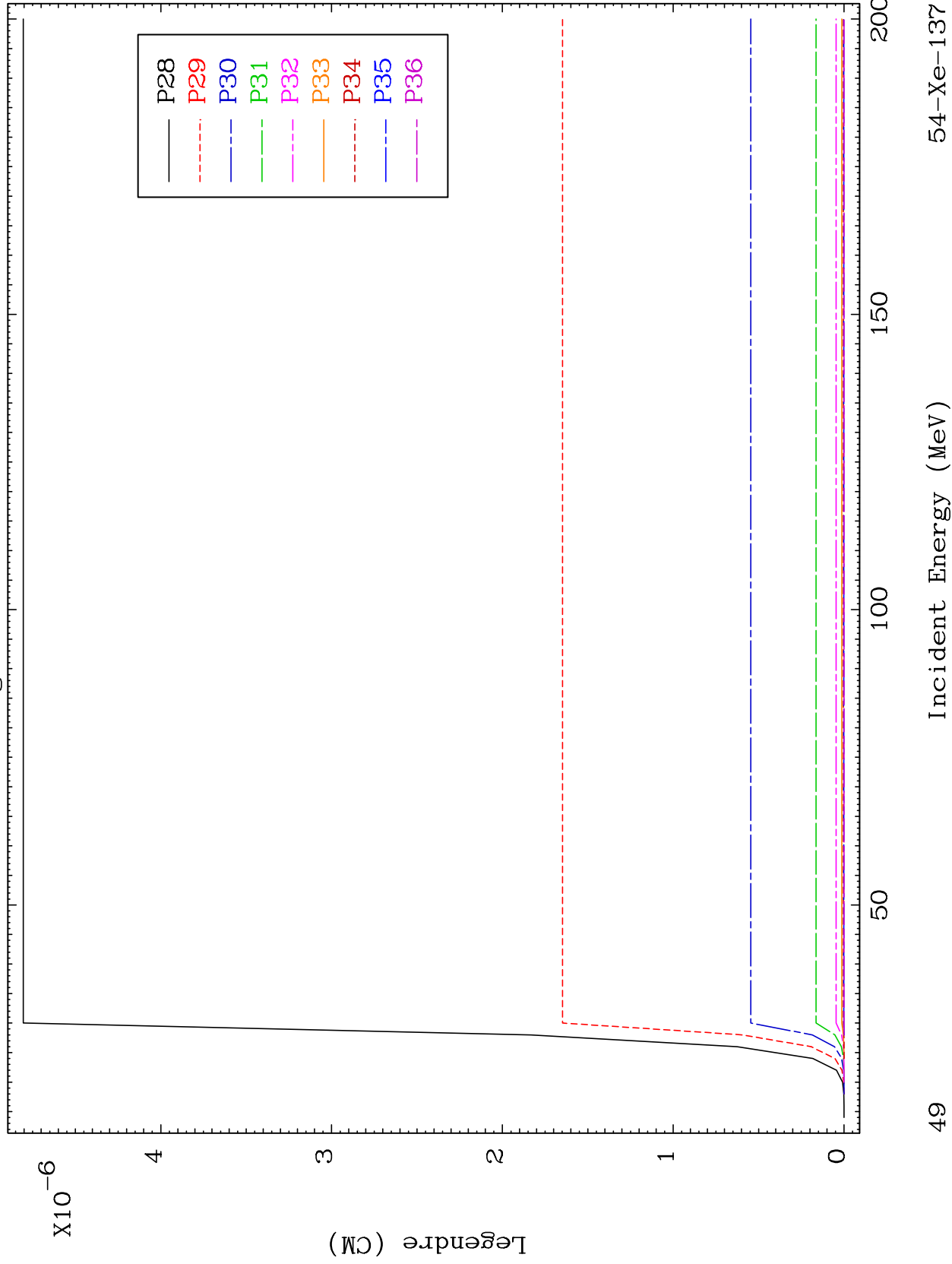
Incident Energy (MeV)

54-Xe-137

MAT 5464

1.534 MeV (n, n') Level
Legendre Coefficients

54-Xe-137



49

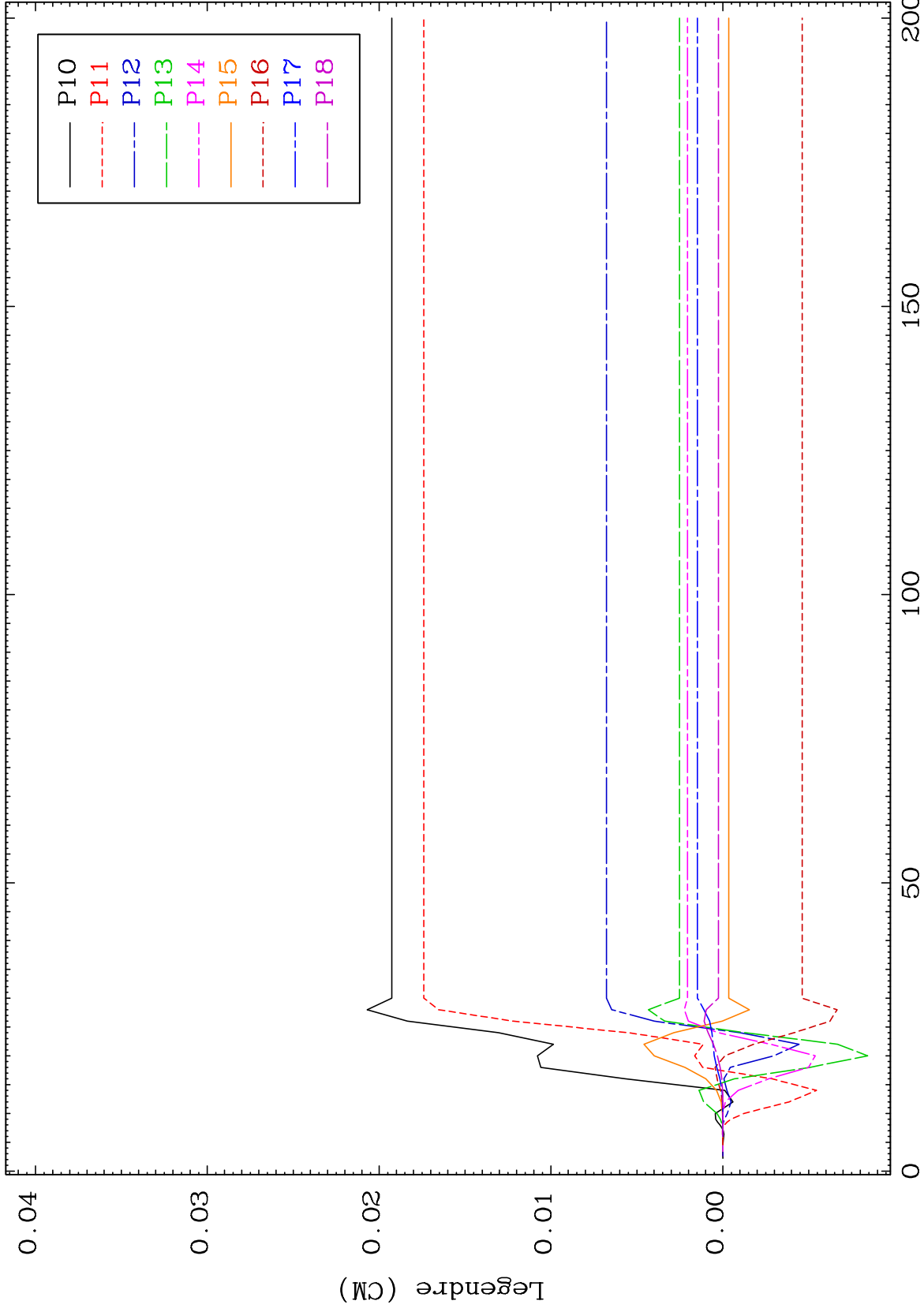
Incident Energy (MeV)

54-Xe-137

MAT 5464

1.621 MeV (n,n') Level
Legendre Coefficients

54-Xe-137



51

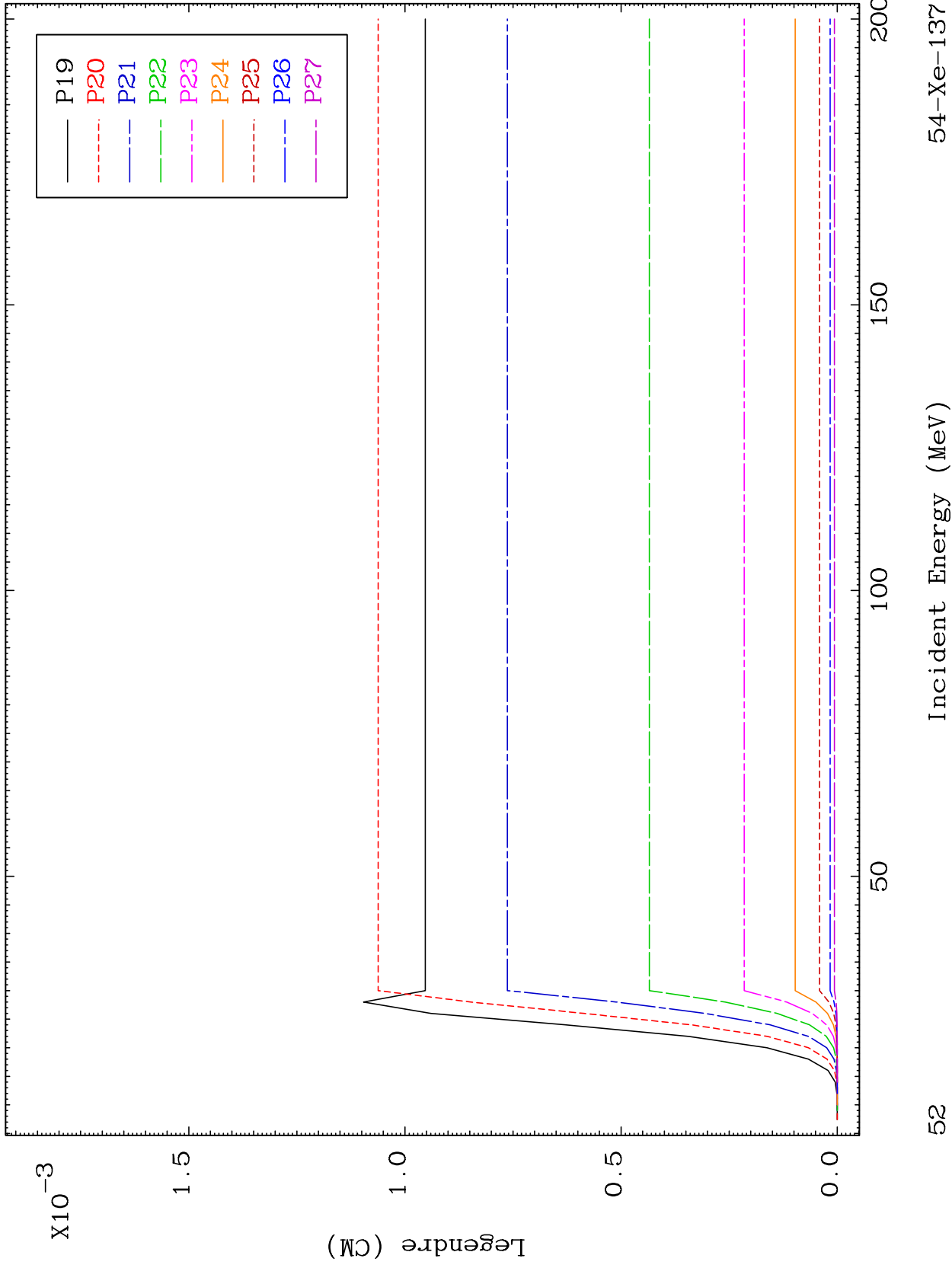
Incident Energy (MeV)

54-Xe-137

MAT 5464

1.621 MeV (n,n') Level
Legendre Coefficients

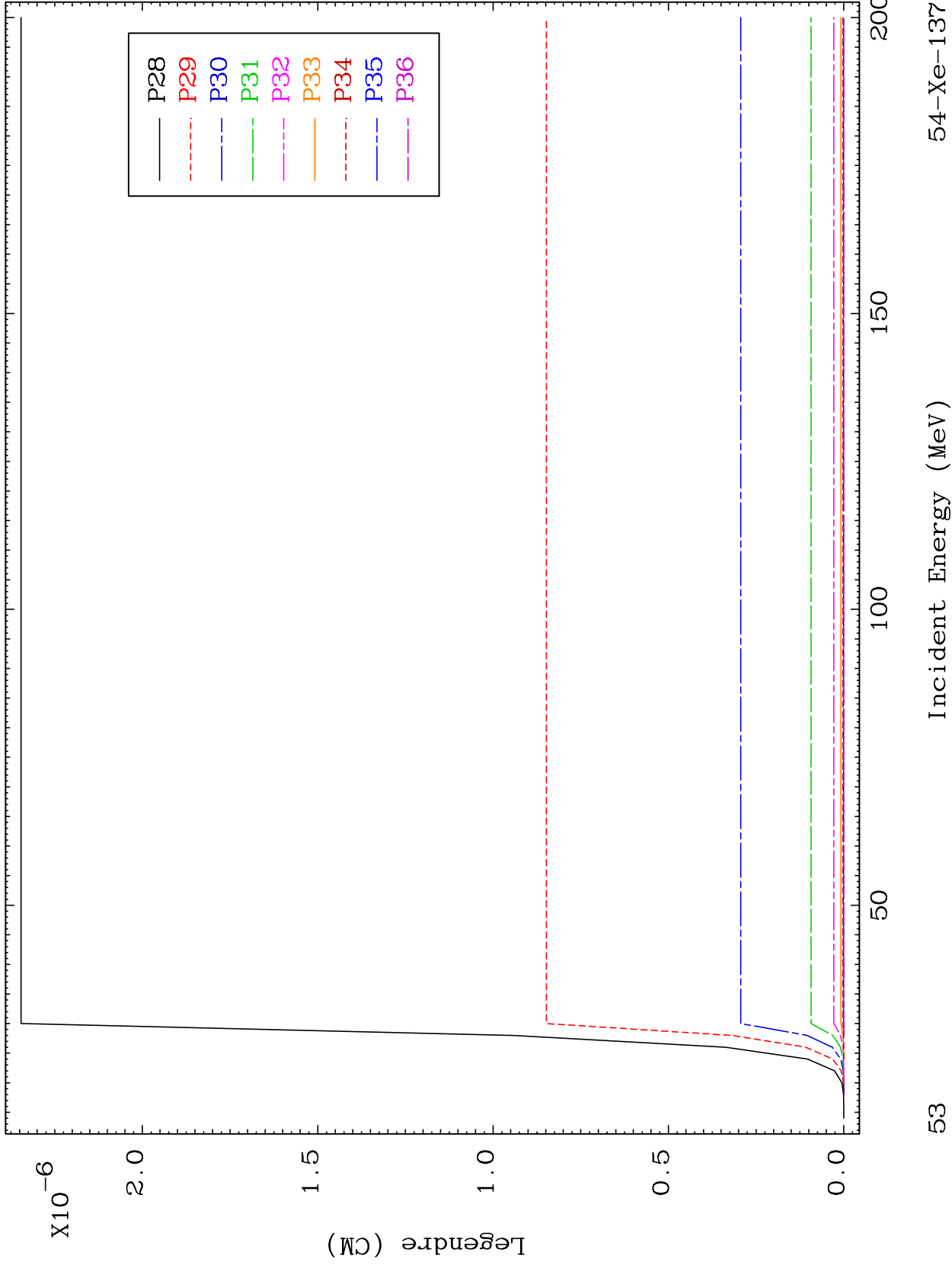
54-Xe-137



52

Incident Energy (MeV)

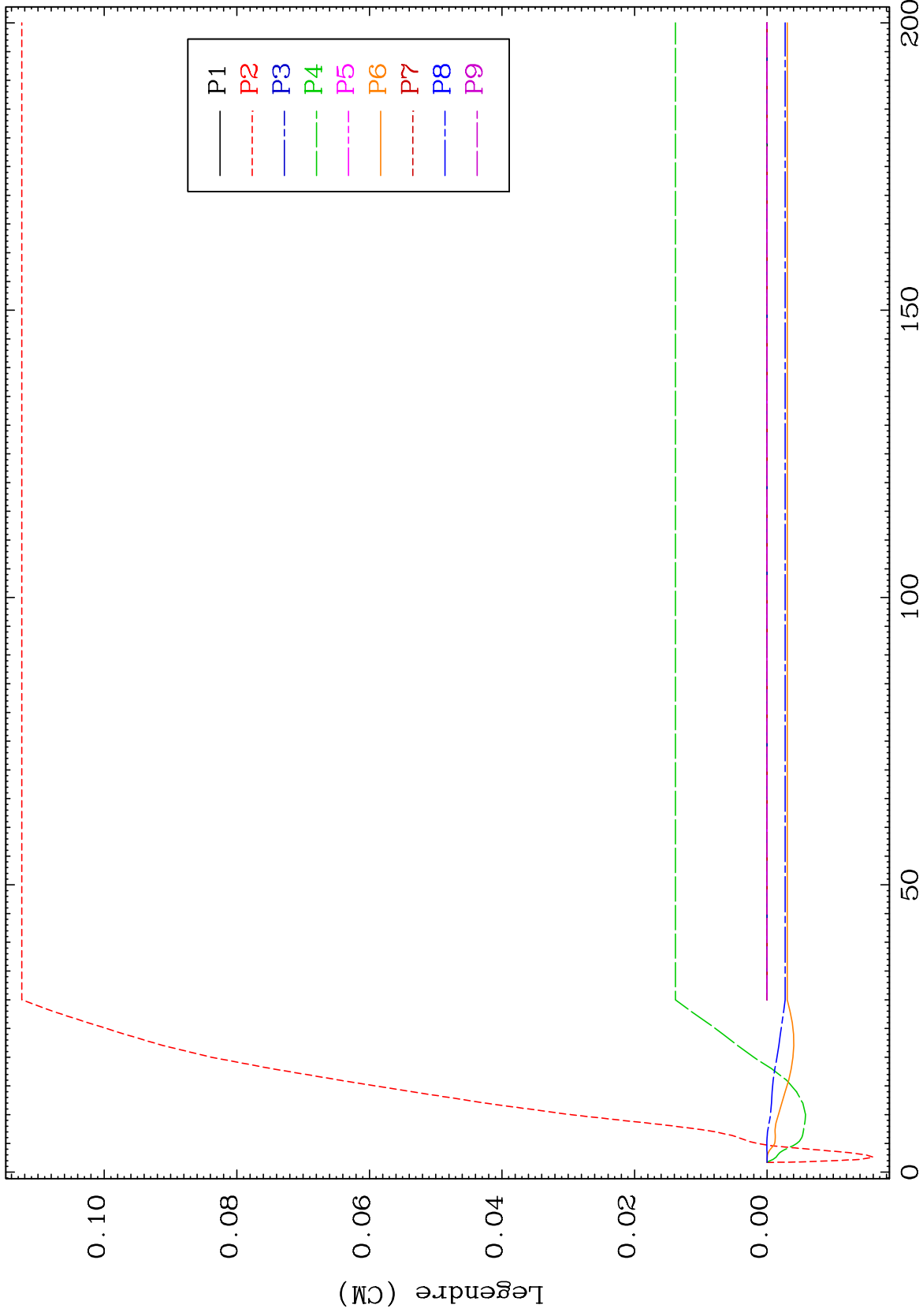
54-Xe-137



MAT 5464

1.668 MeV (n,n') Level
Legendre Coefficients

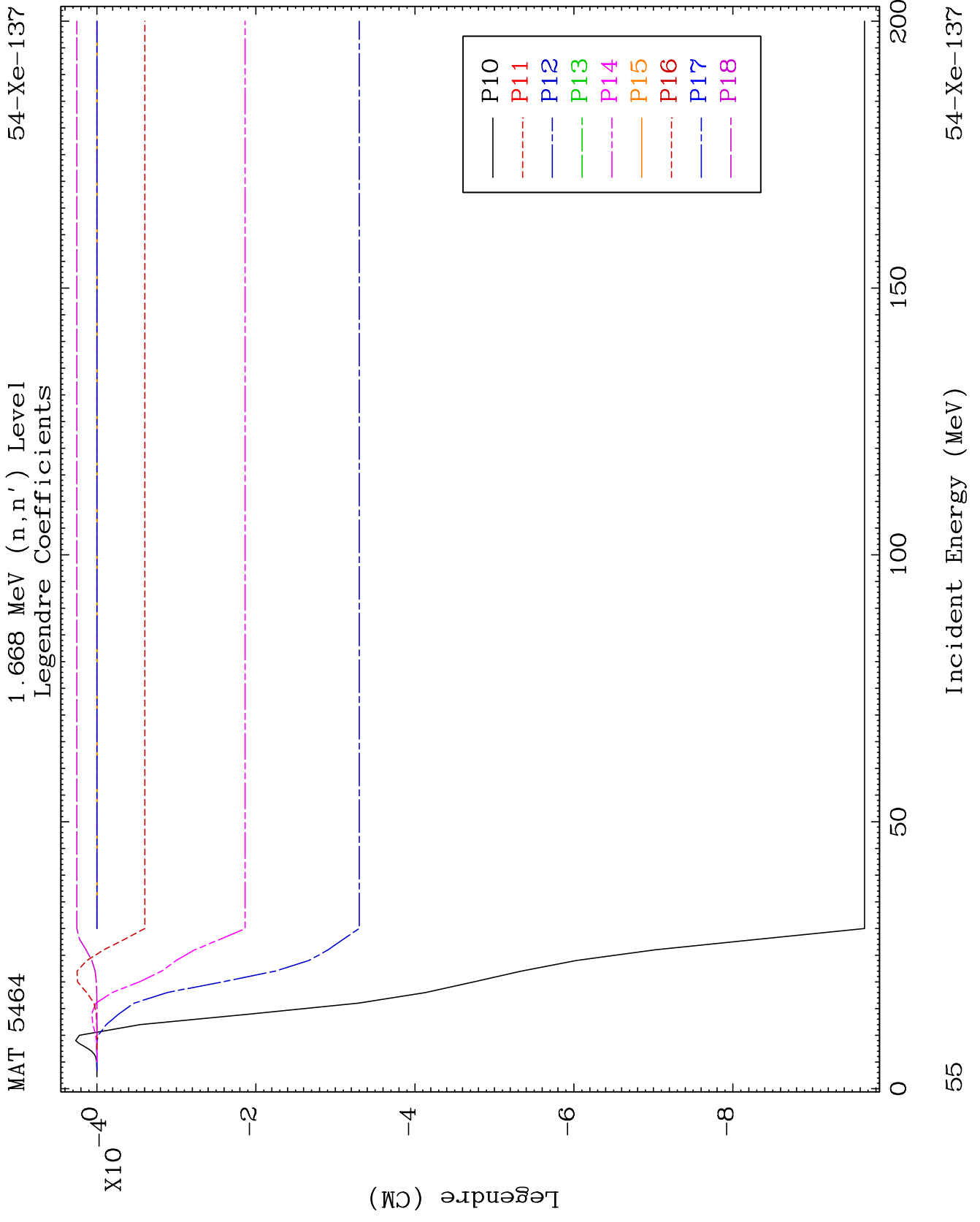
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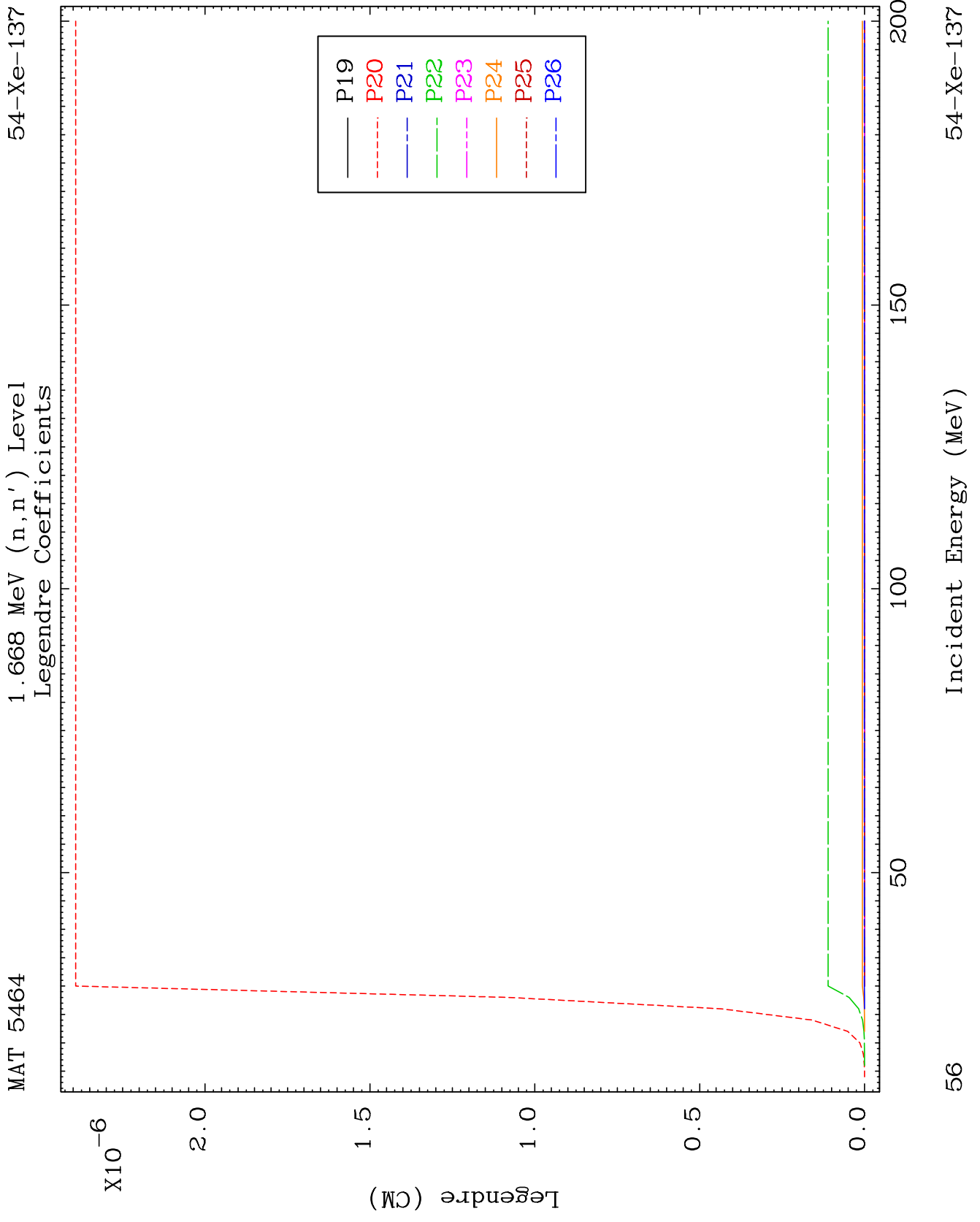


54

Incident Energy (MeV)

54-Xe-137

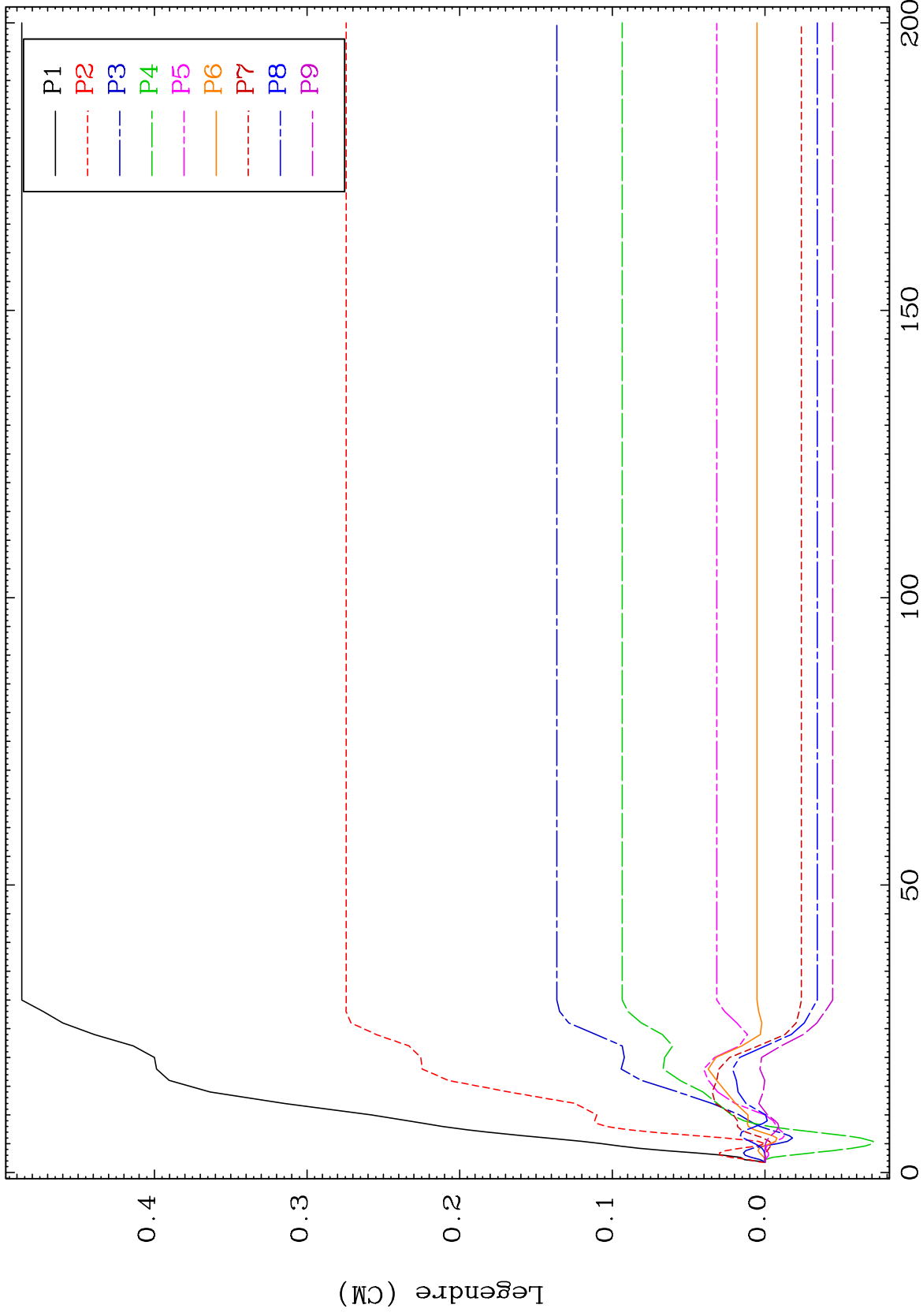




MAT 5464

1.716 MeV (n,n') Level
Legendre Coefficients

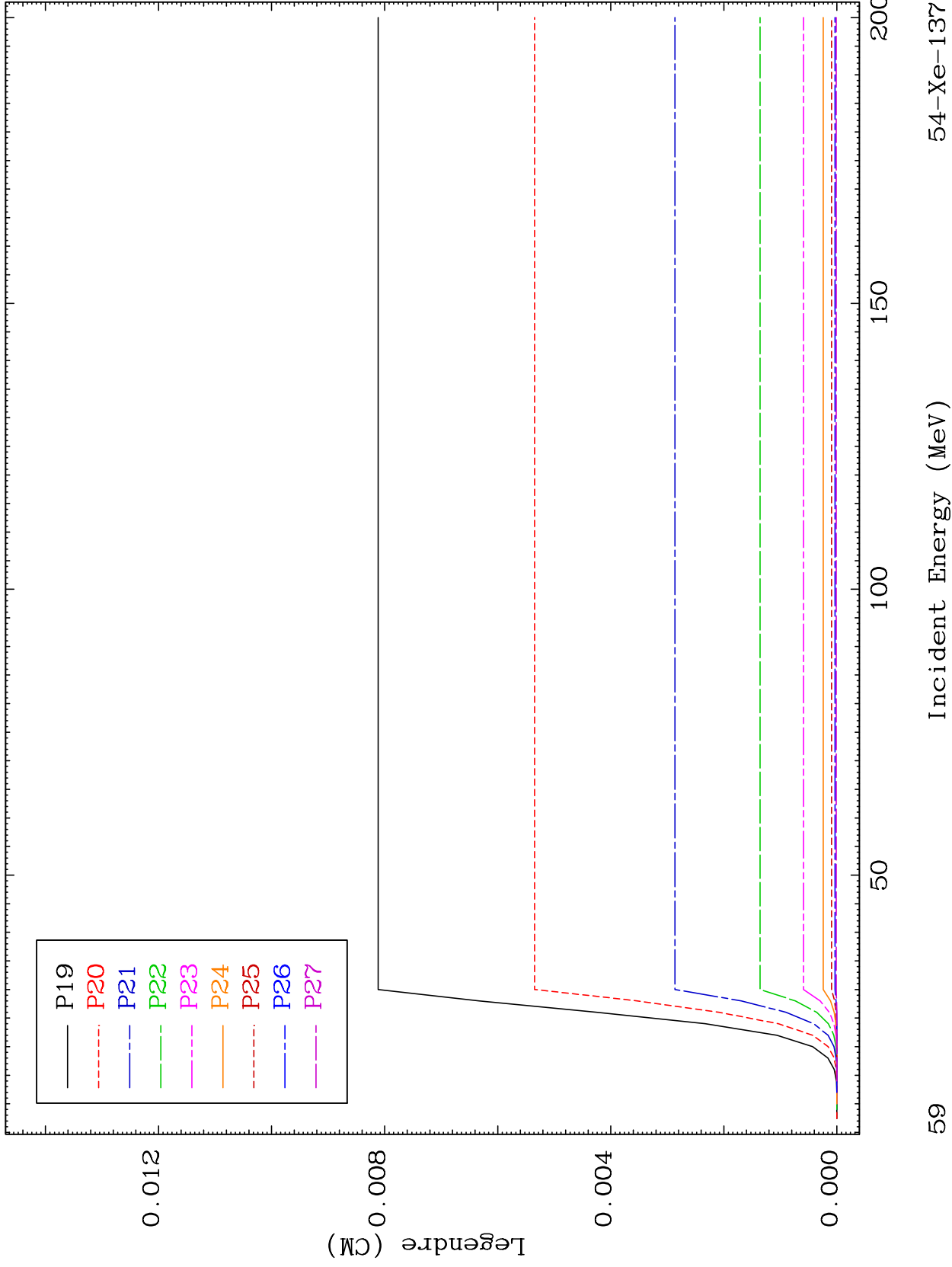
54-Xe-137



57

Incident Energy (MeV)

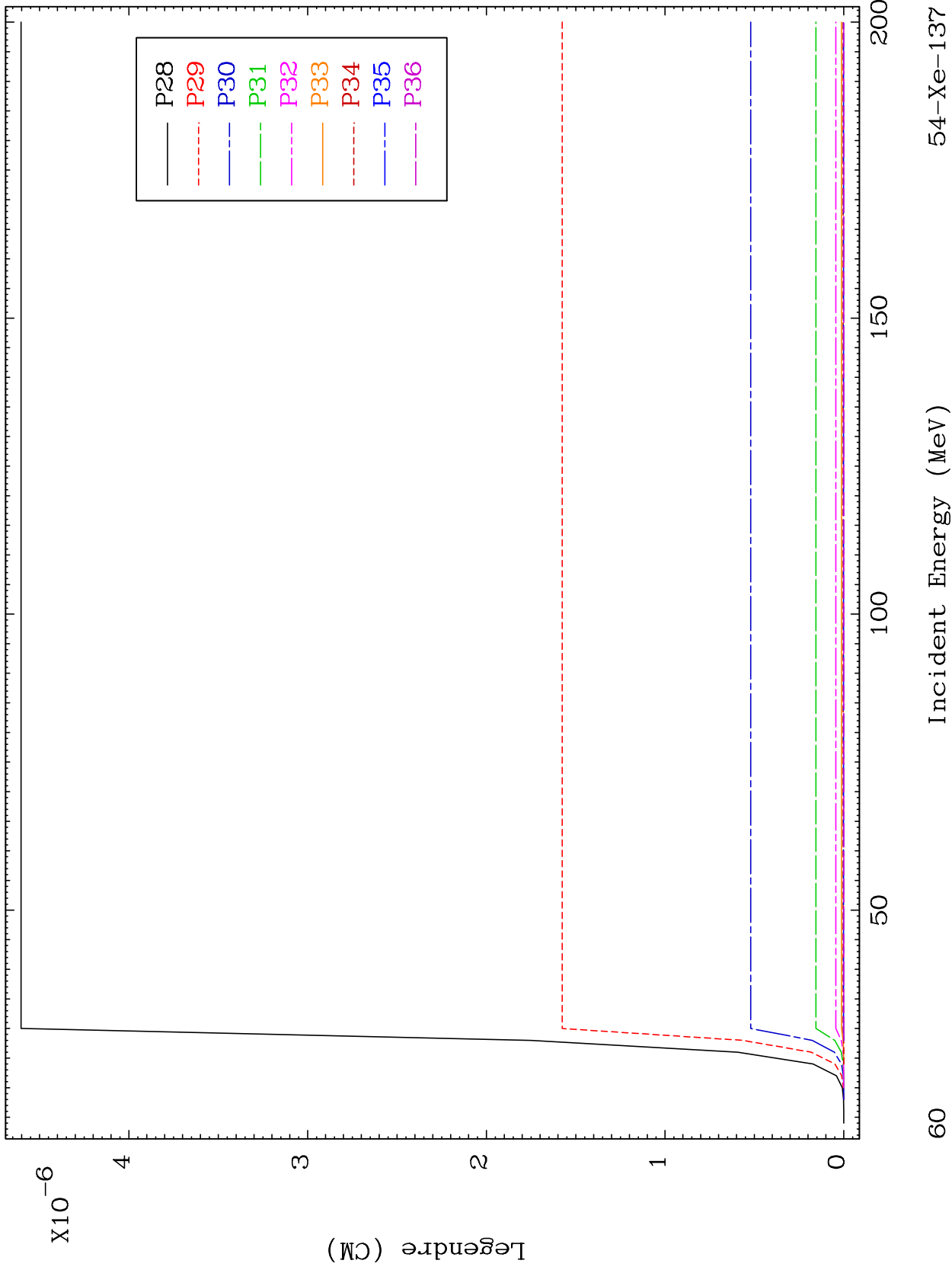
54-Xe-137



MAT 5464

1.716 MeV (n, n') Level
Legendre Coefficients

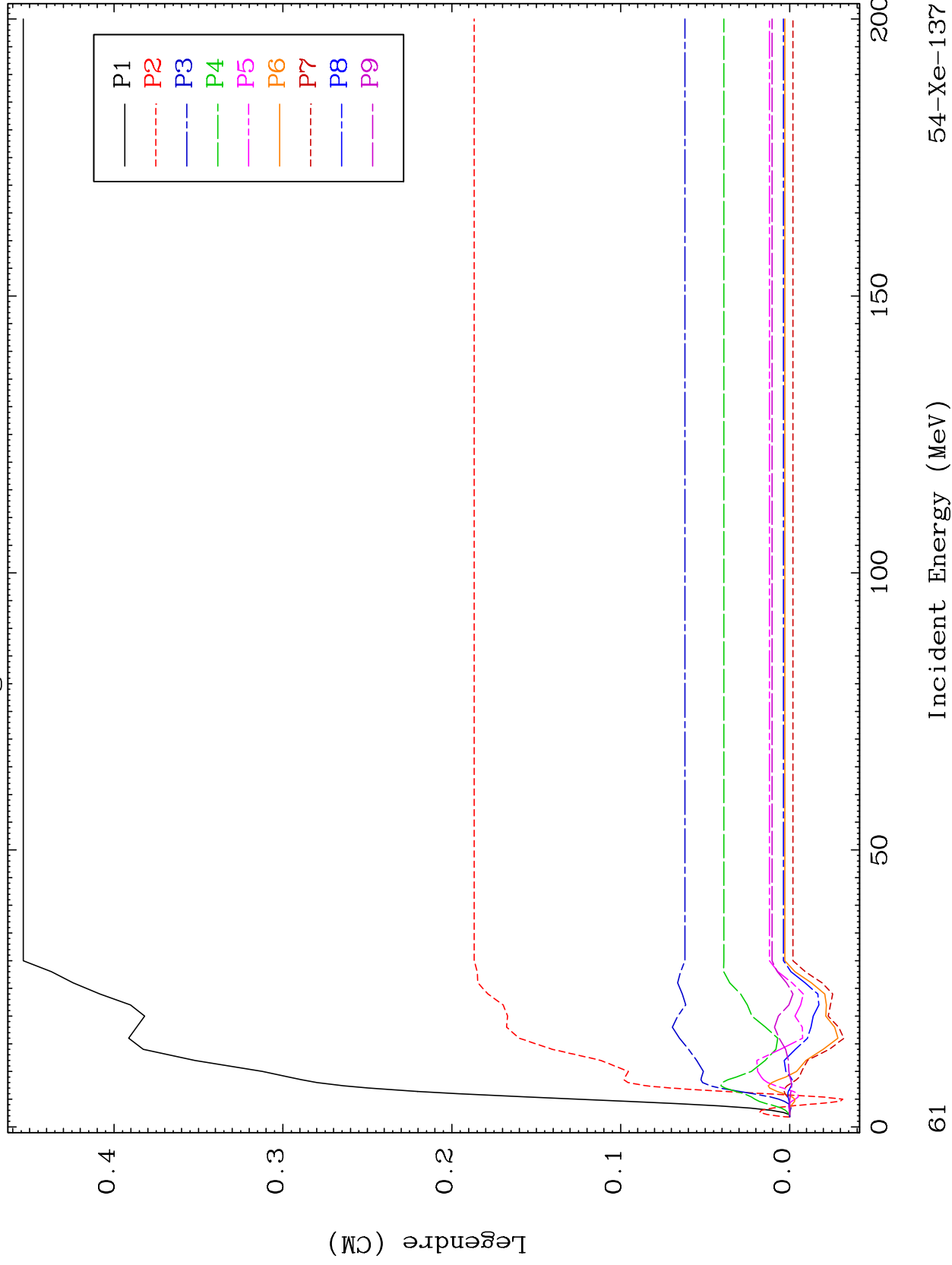
54-Xe-137



MAT 5464

1.753 MeV (n,n') Level
Legendre Coefficients

54-Xe-137



54-Xe-137

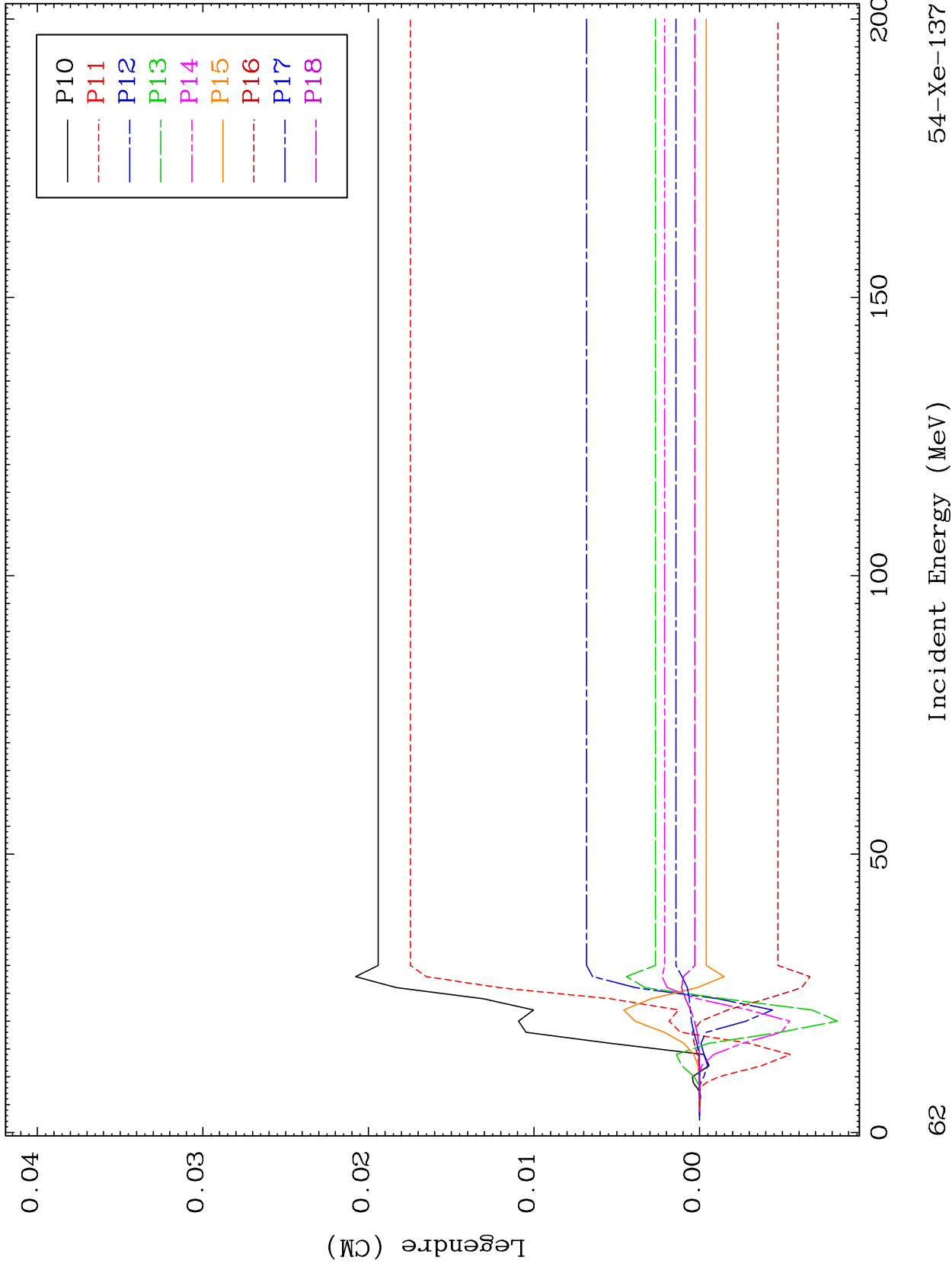
Incident Energy (MeV)

61

MAT 5464

1.753 MeV (n,n') Level
Legendre Coefficients

54-Xe-137



54-Xe-137

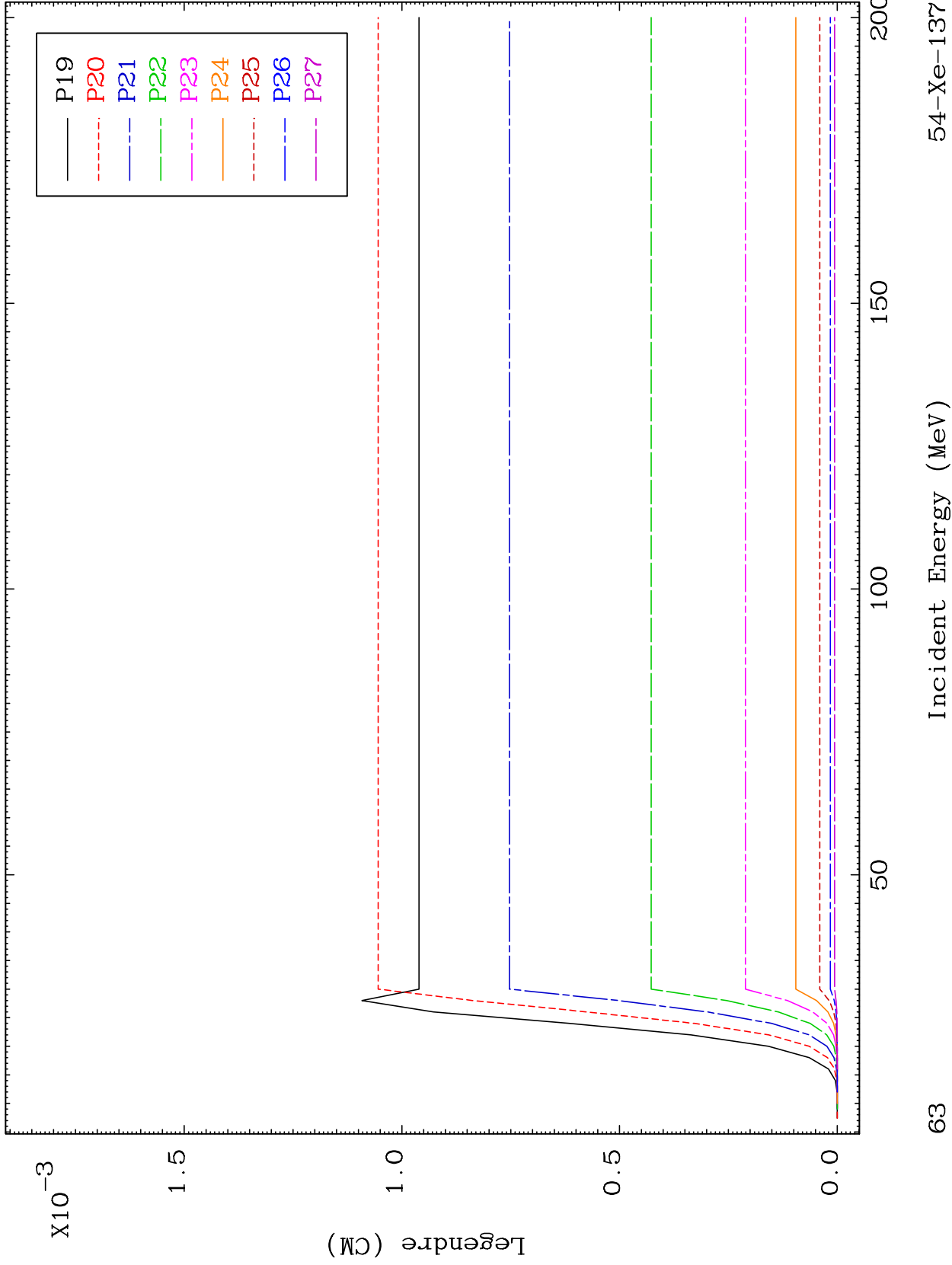
Incident Energy (MeV)

62

MAT 5464

1.753 MeV (n,n') Level
Legendre Coefficients

54-Xe-137



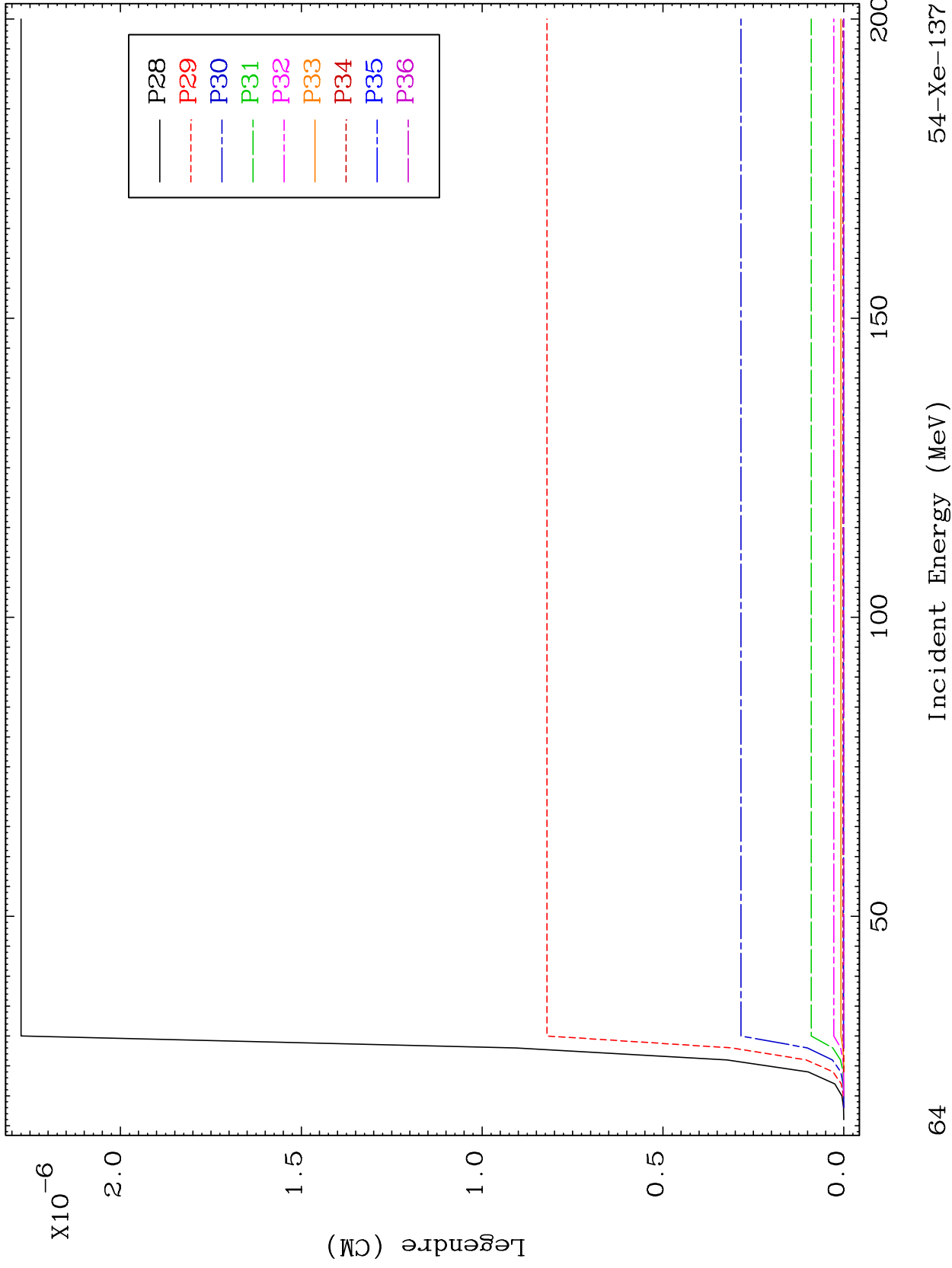
63

54-Xe-137

MAT 5464

1.753 MeV (n,n') Level
Legendre Coefficients

54-Xe-137

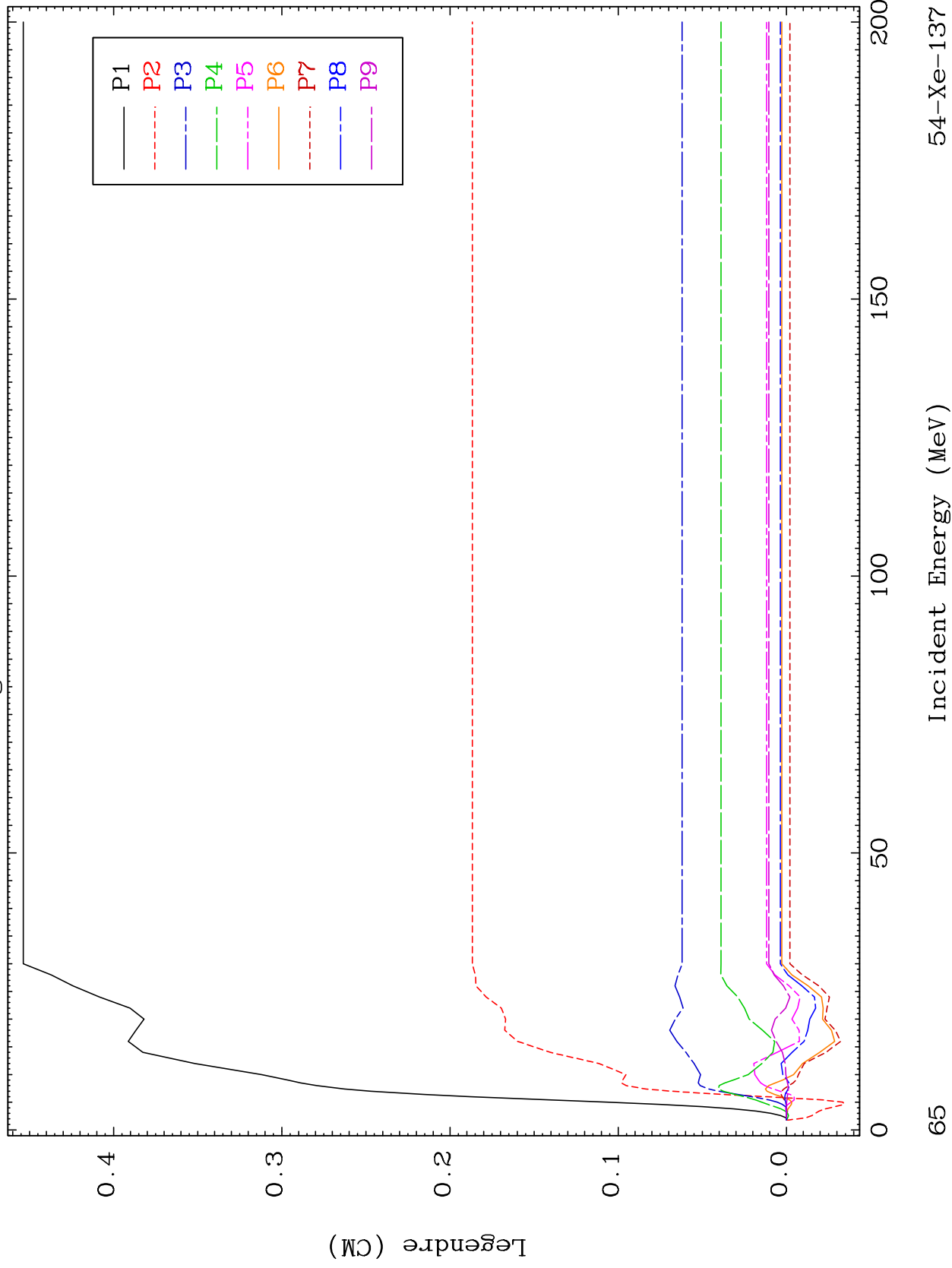


64

MAT 5464

1.766 MeV (n, n') Level
Legendre Coefficients

54-Xe-137



54-Xe-137

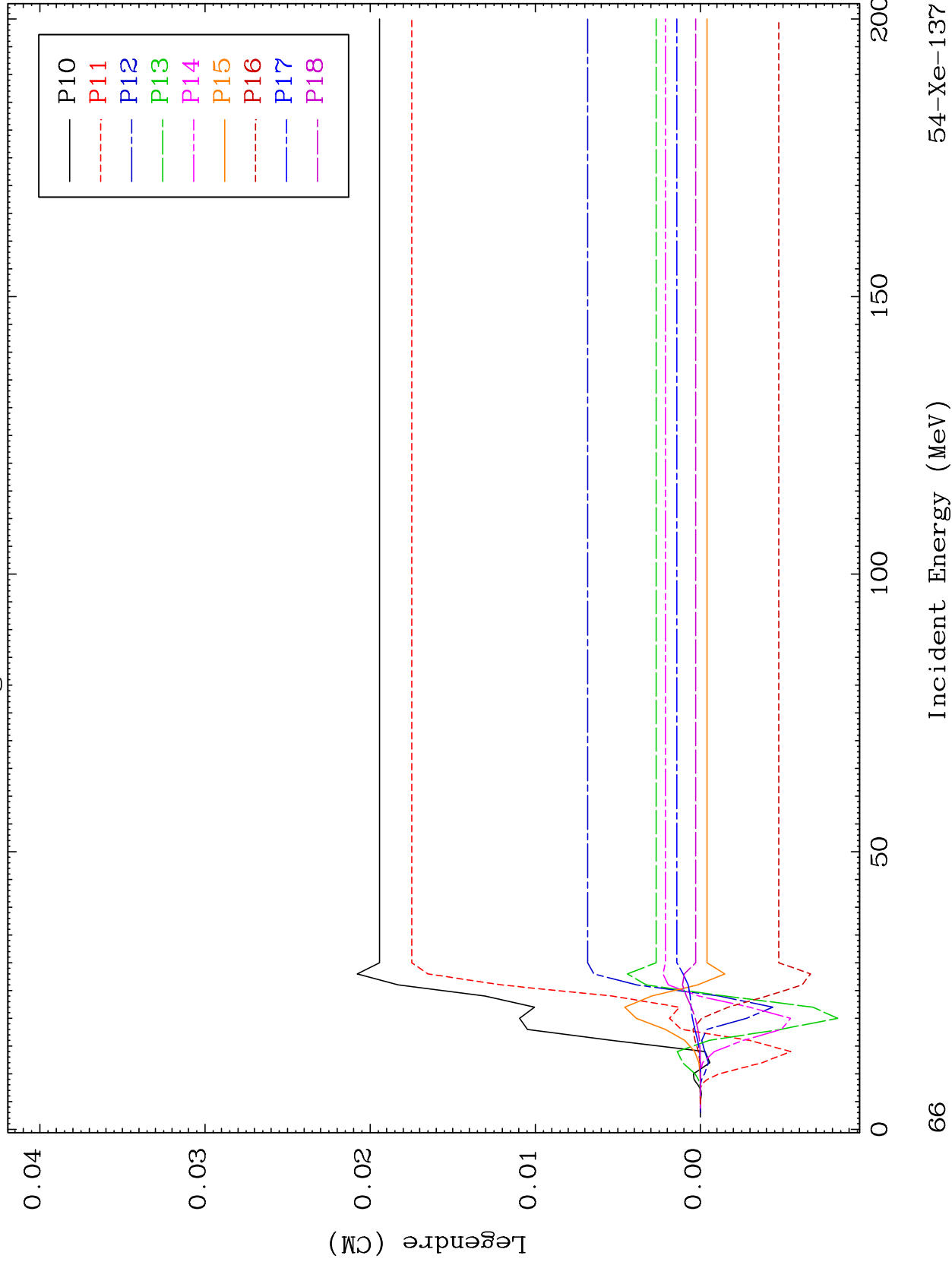
Incident Energy (MeV)

65

MAT 5464

1.766 MeV (n,n') Level
Legendre Coefficients

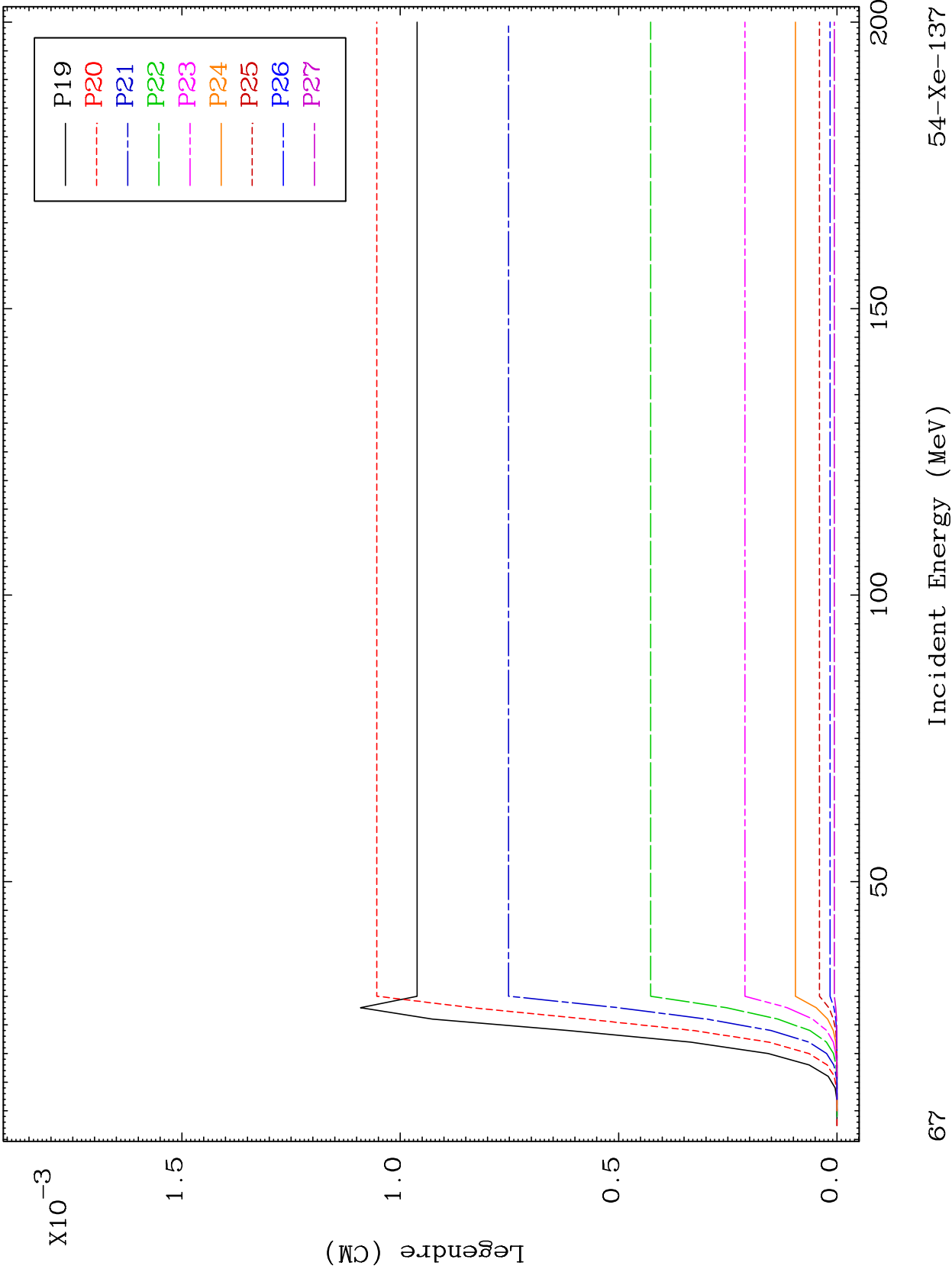
54-Xe-137



54-Xe-137

Incident Energy (MeV)

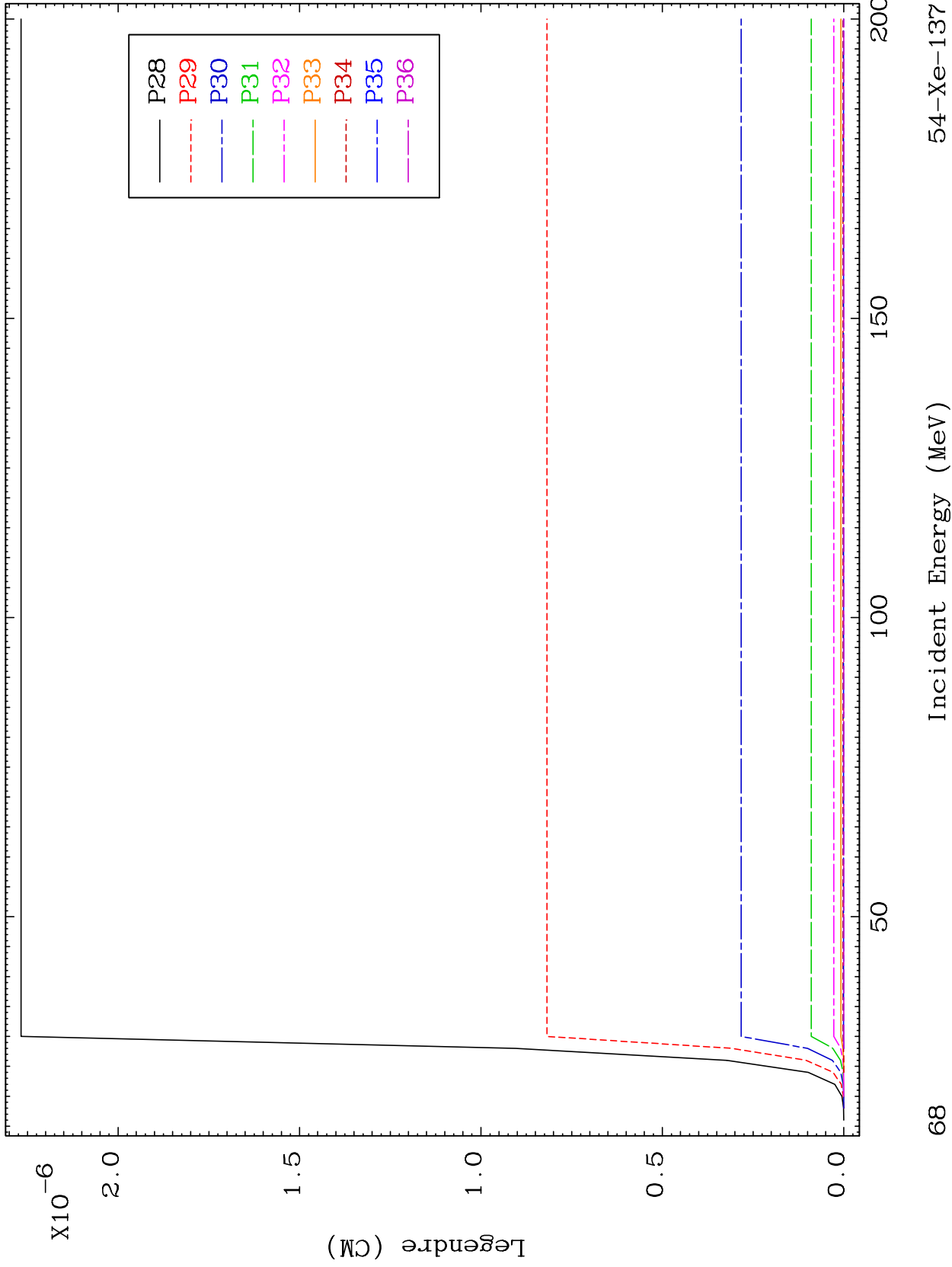
66



MAT 5464

1.766 MeV (n,n') Level
Legendre Coefficients

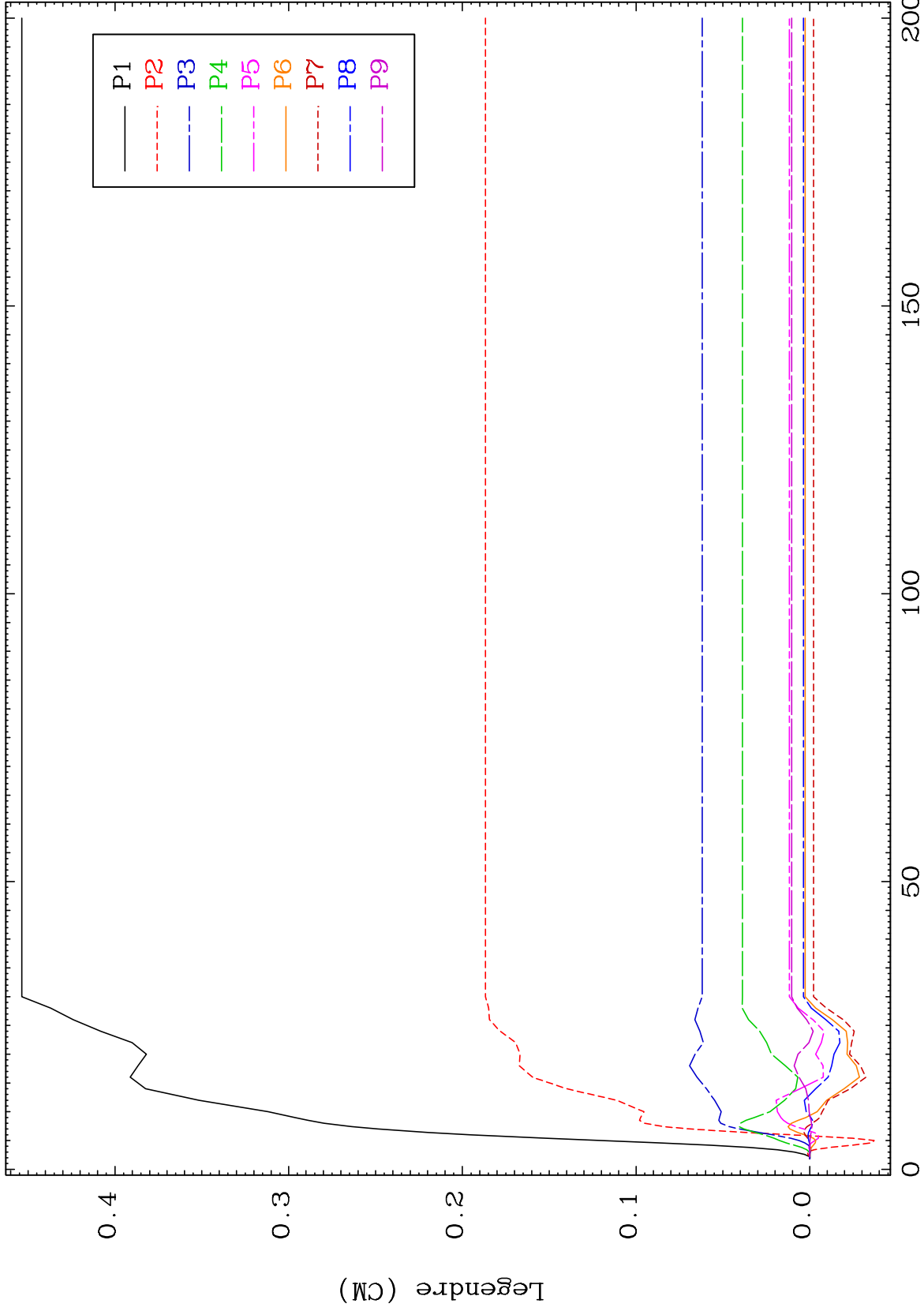
54-Xe-137



68

Incident Energy (MeV)

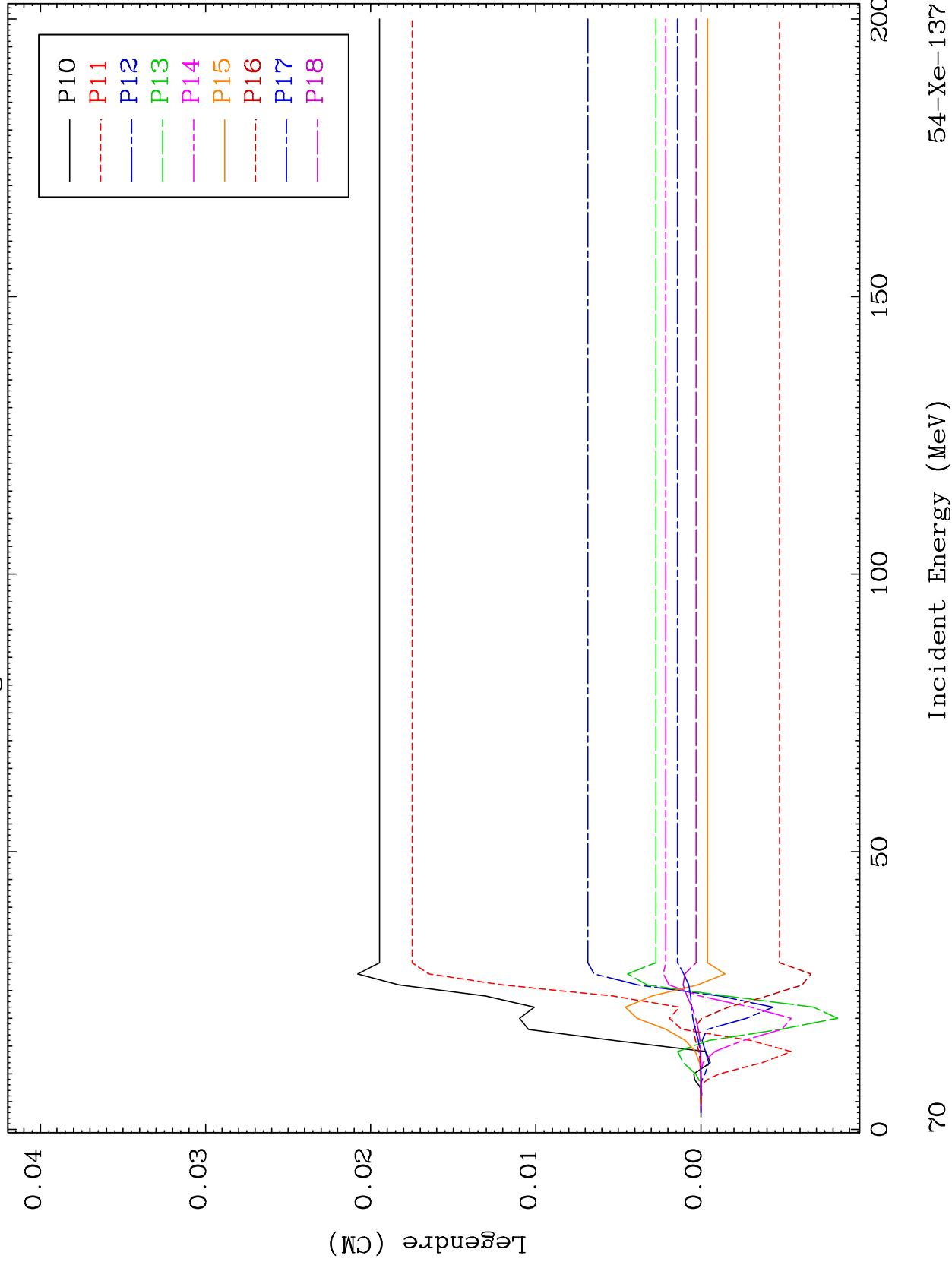
54-Xe-137



MAT 5464

1.796 MeV (n,n') Level
Legendre Coefficients

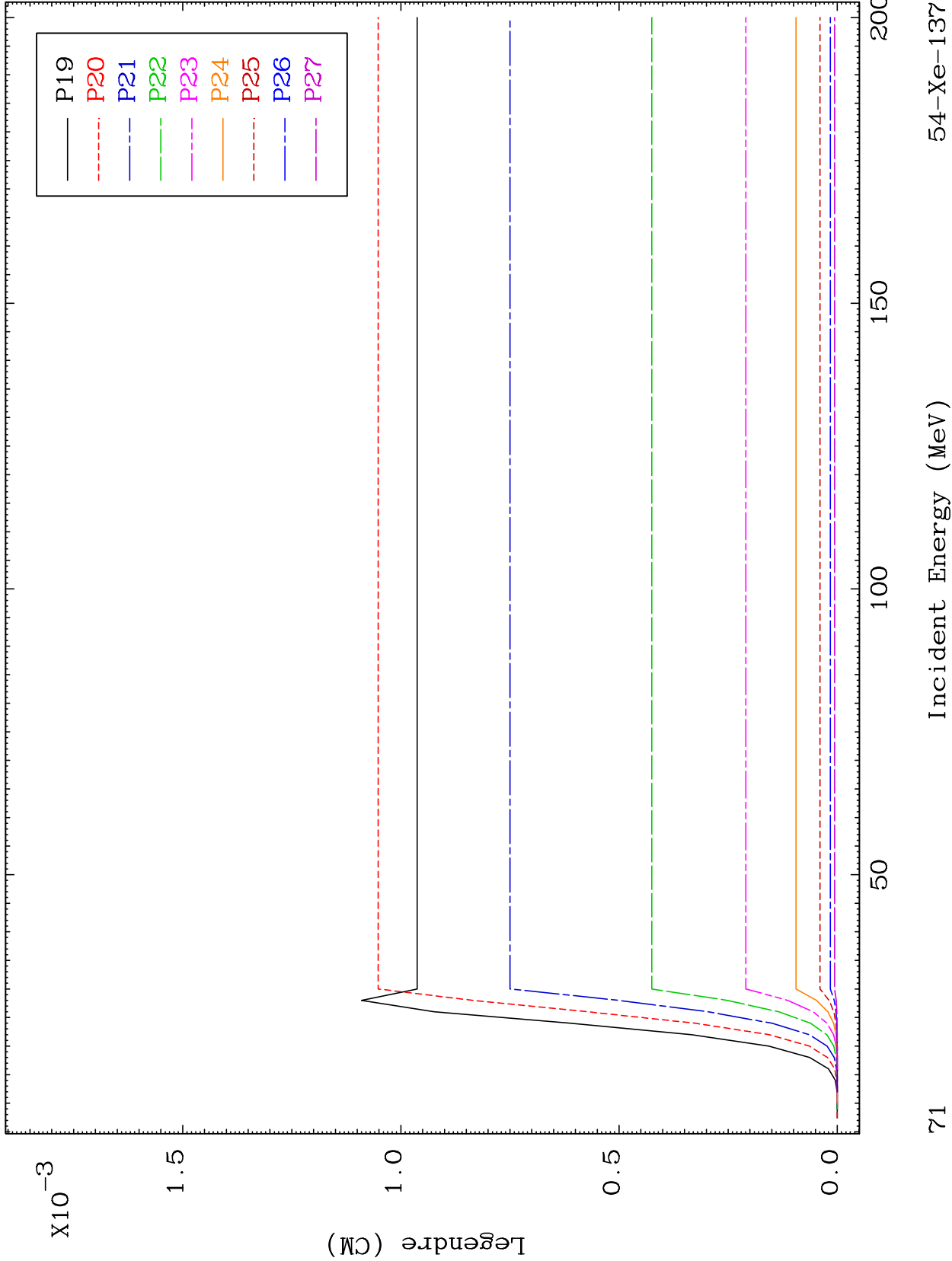
54-Xe-137



54-Xe-137

Incident Energy (MeV)

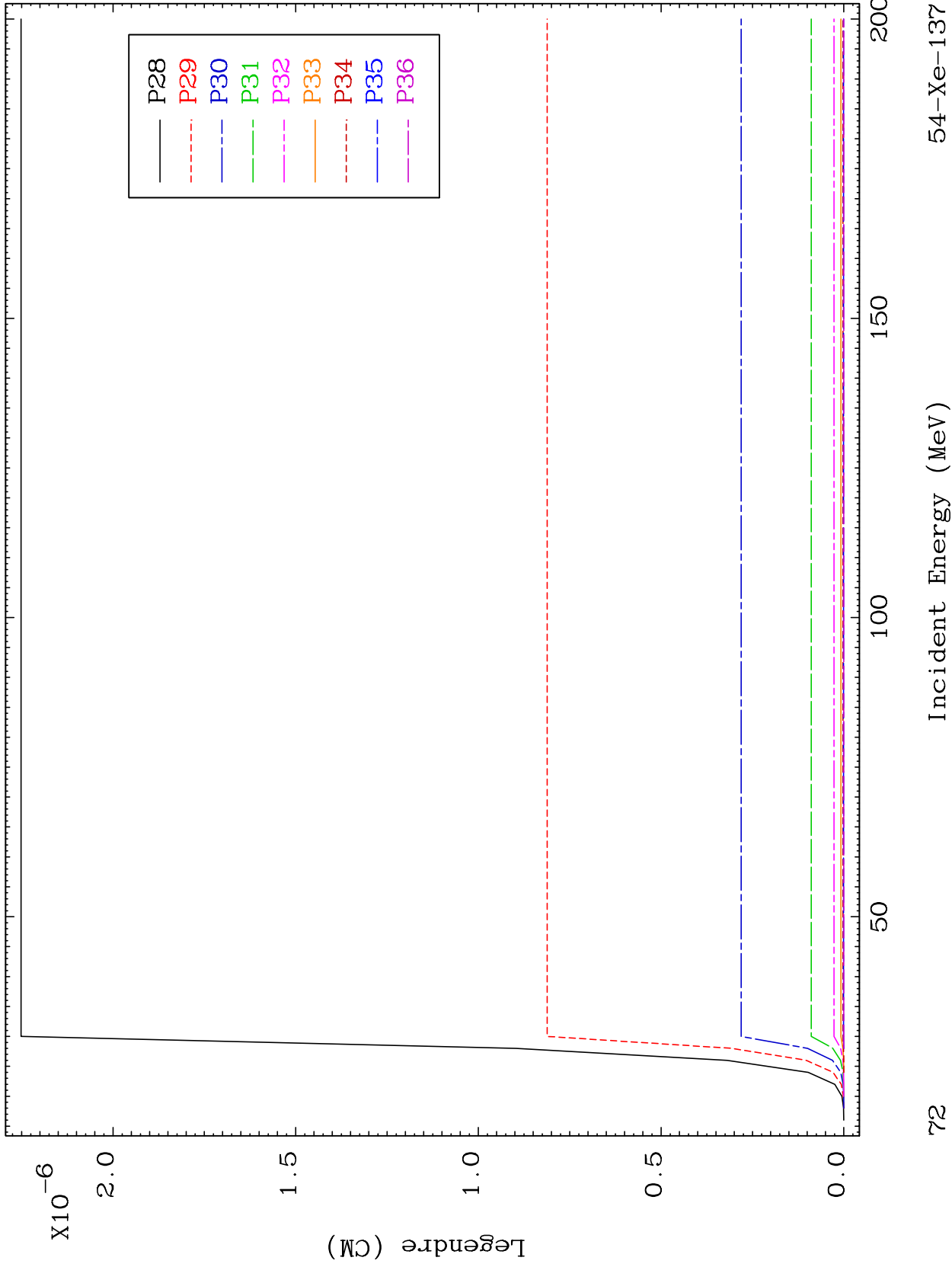
70



MAT 5464

1.796 MeV (n,n') Level
Legendre Coefficients

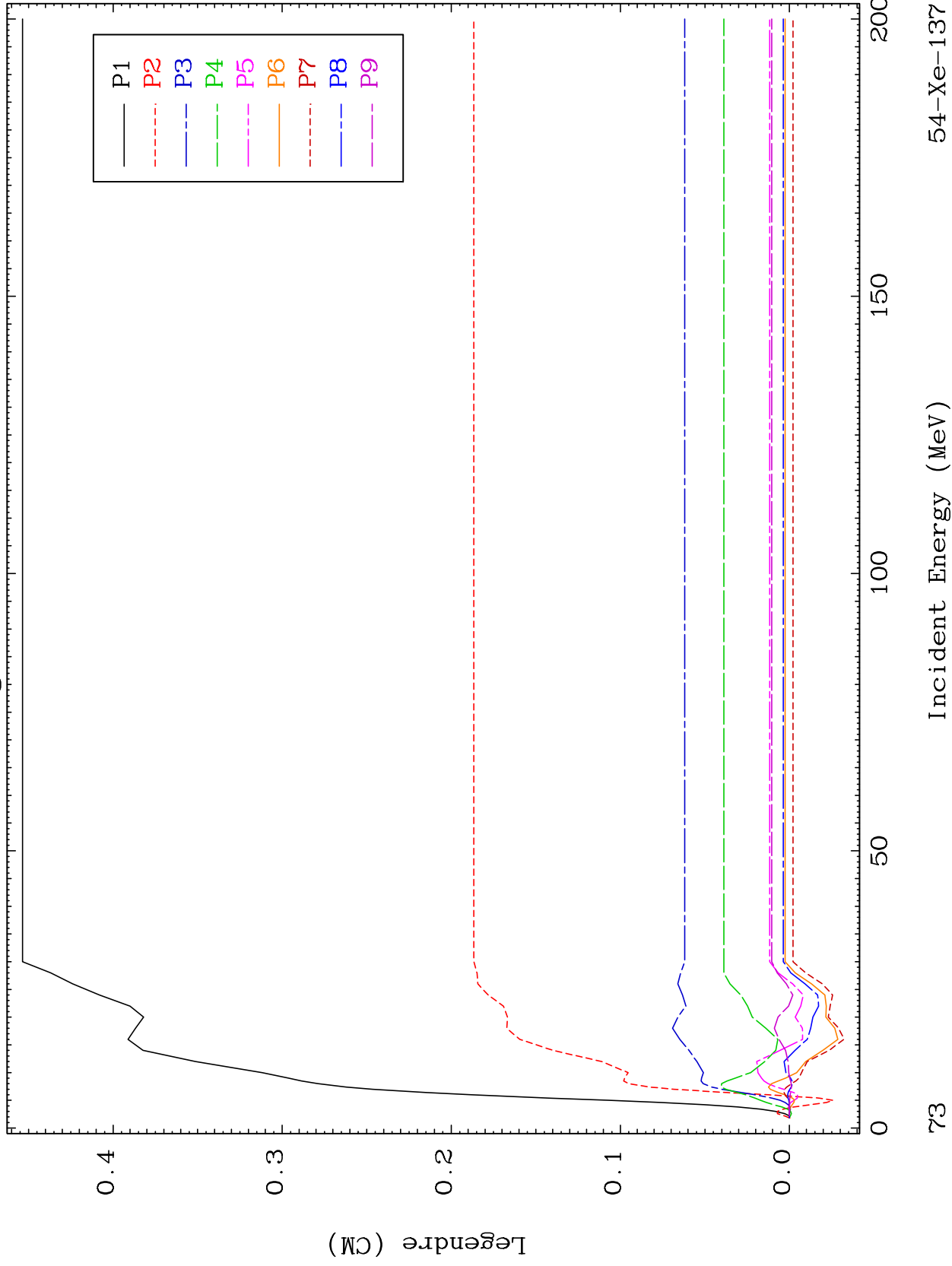
54-Xe-137



MAT 5464

1.809 MeV (n,n') Level
Legendre Coefficients

54-Xe-137



54-Xe-137

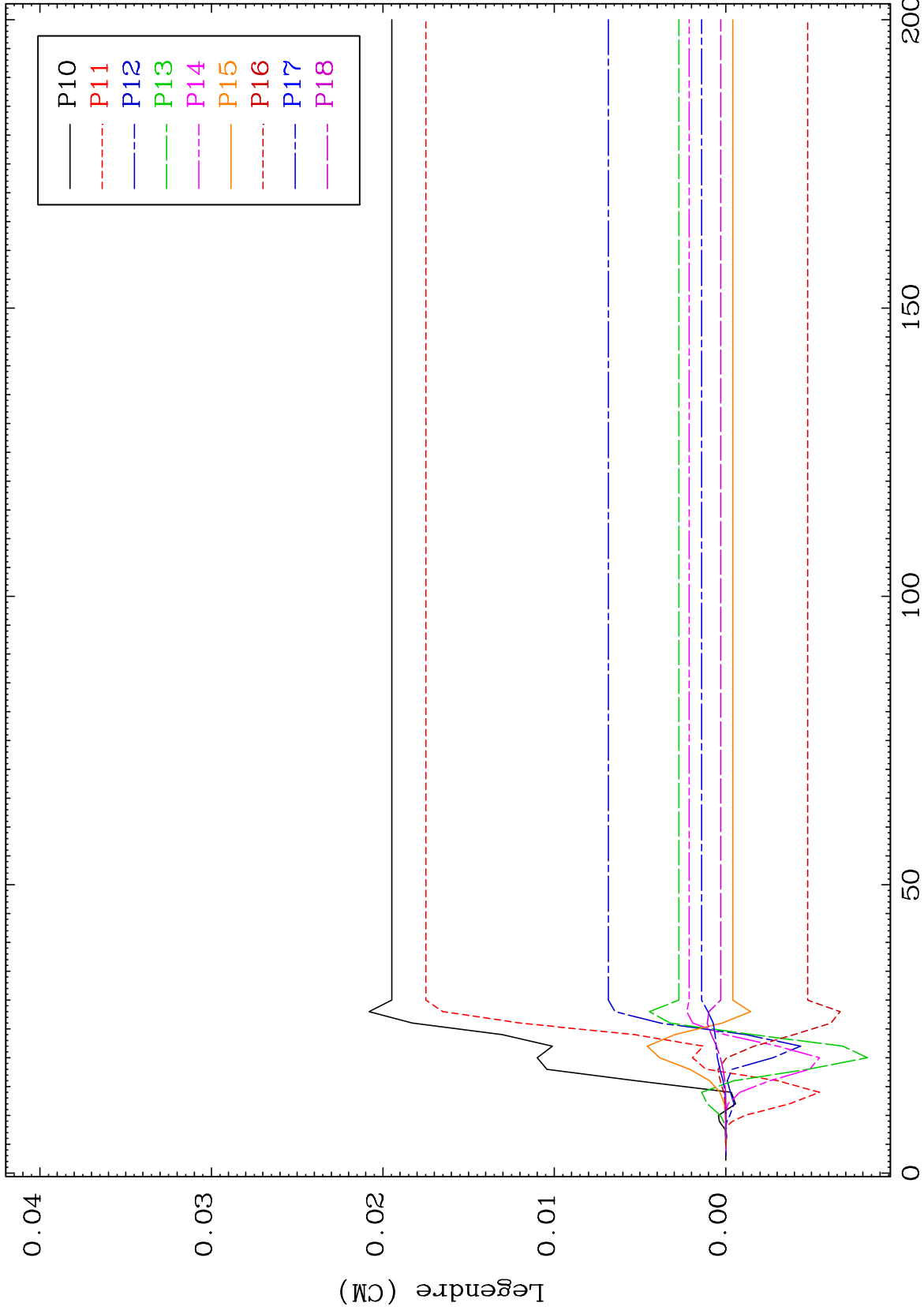
Incident Energy (MeV)

73

MAT 5464

1.809 MeV (n,n') Level
Legendre Coefficients

54-Xe-137



74

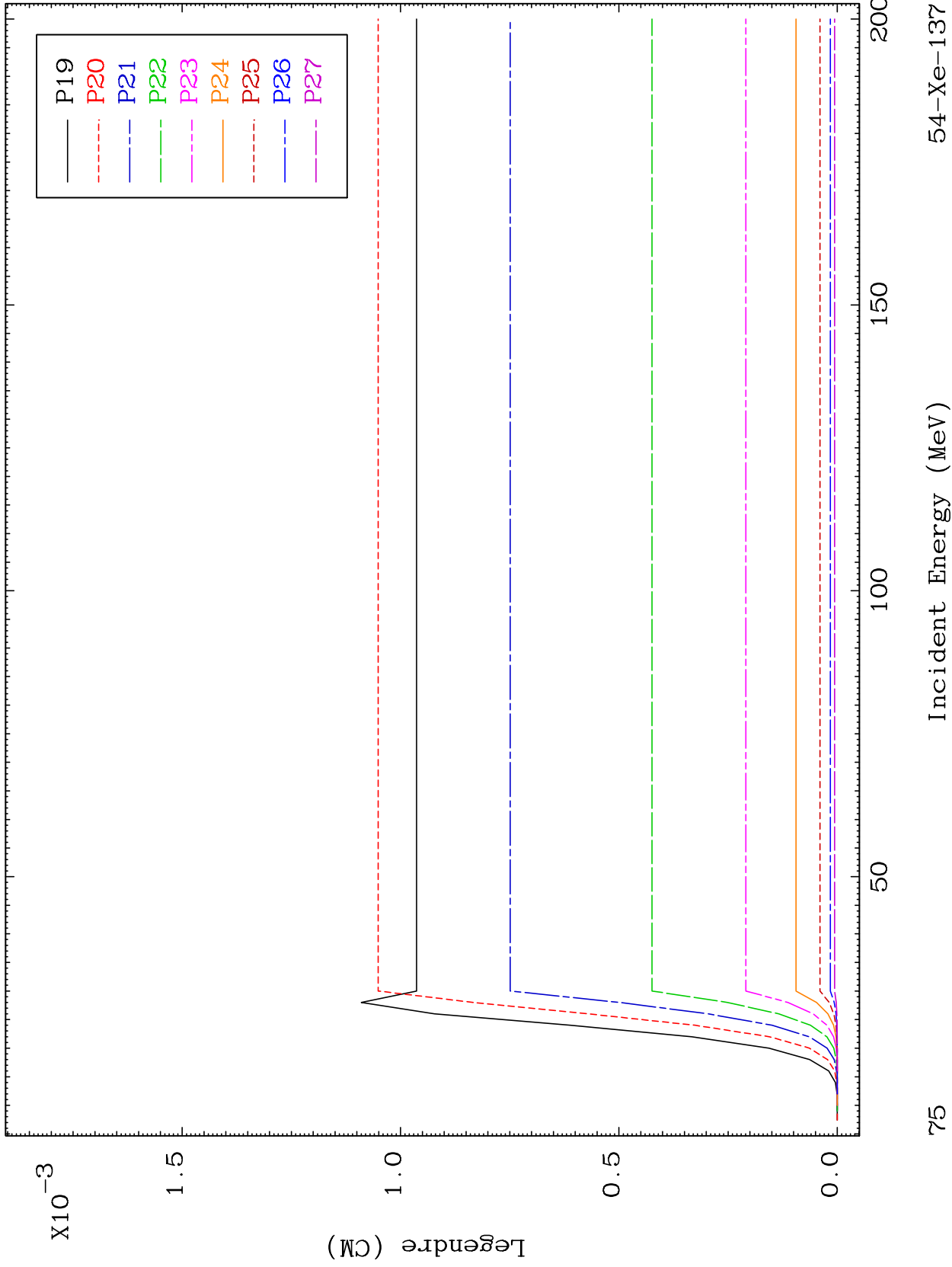
Incident Energy (MeV)

54-Xe-137

MAT 5464

1.809 MeV (n,n') Level
Legendre Coefficients

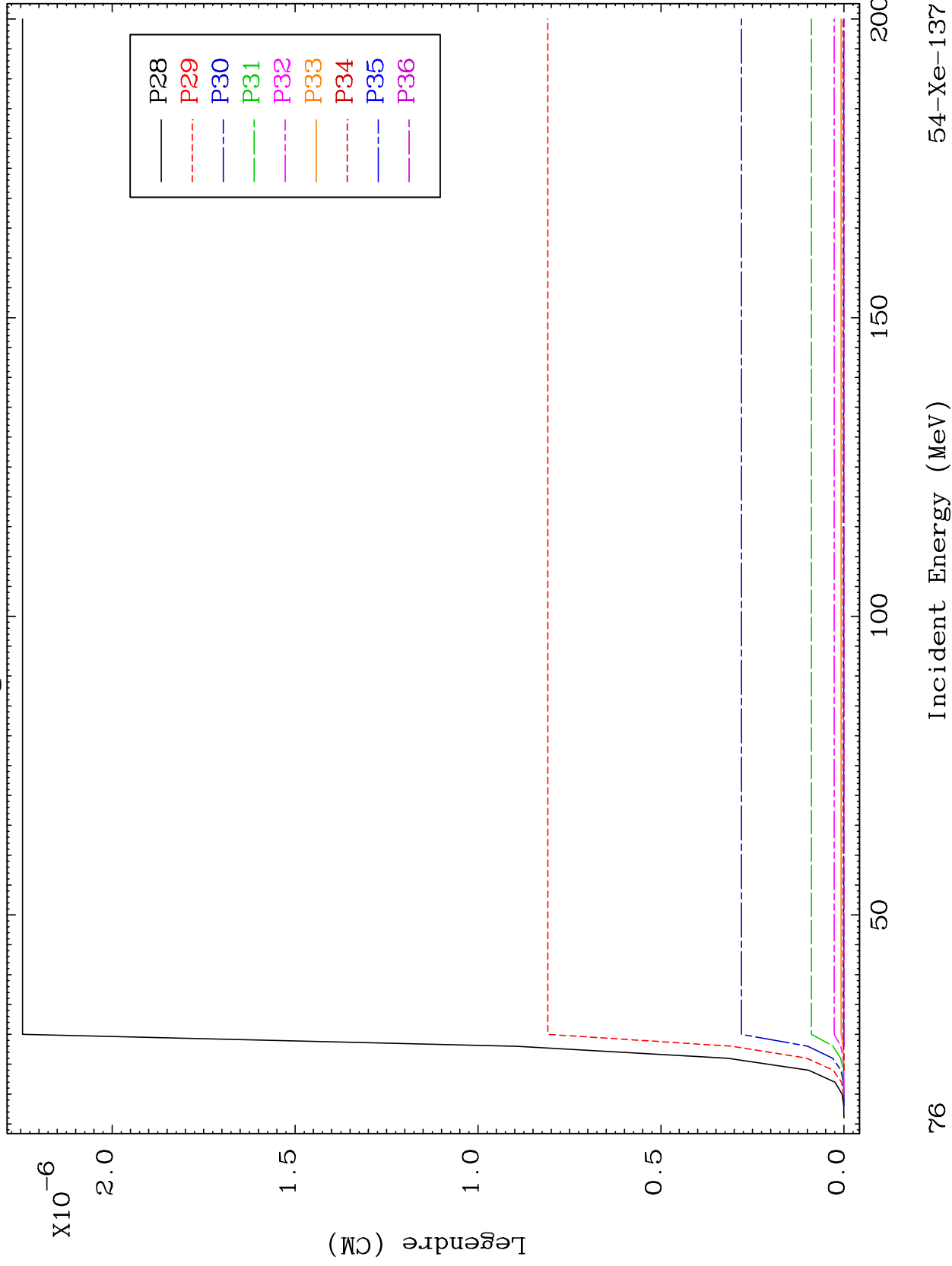
54-Xe-137



MAT 5464

1.809 MeV (n,n') Level
Legendre Coefficients

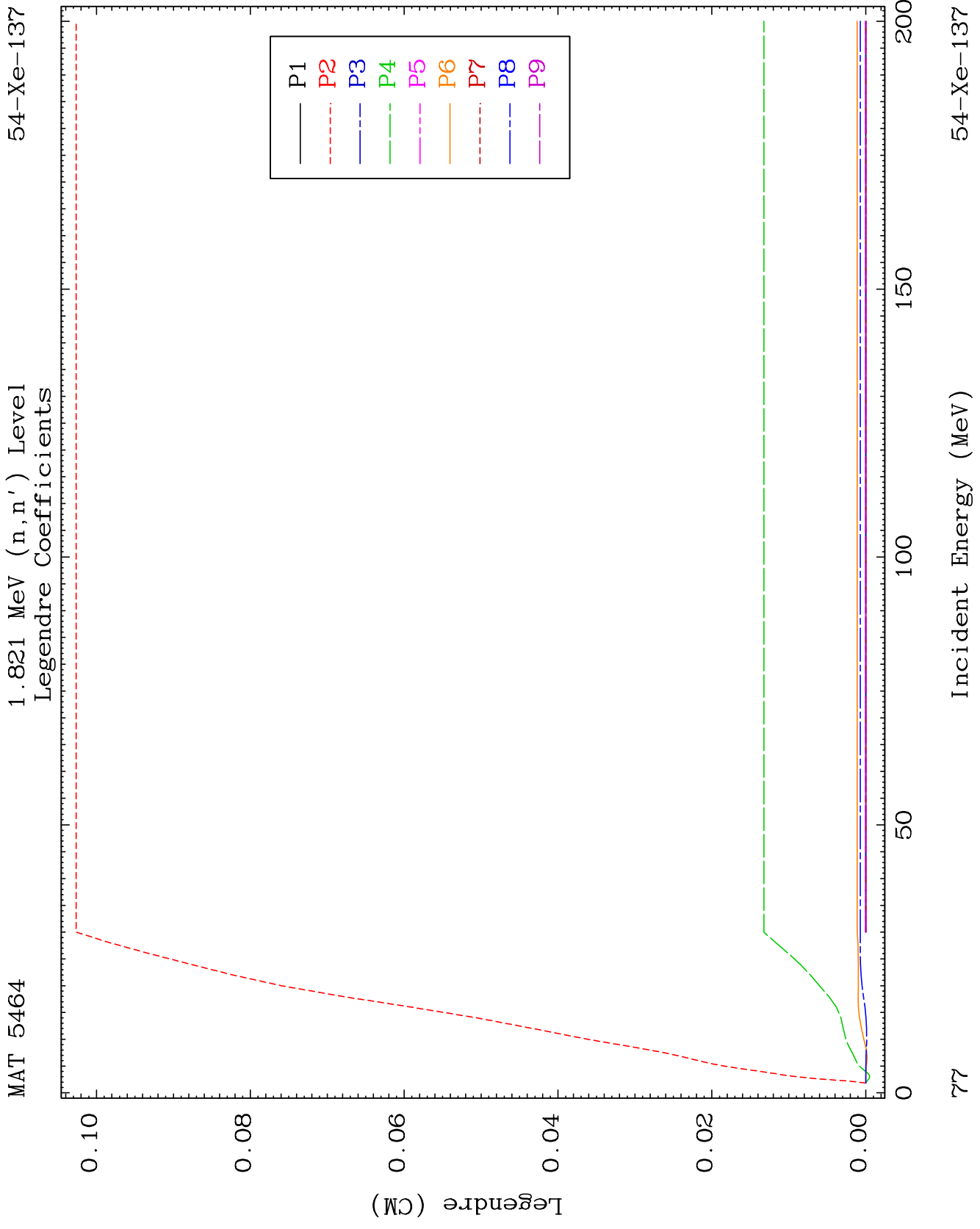
54-Xe-137



76

Incident Energy (MeV)

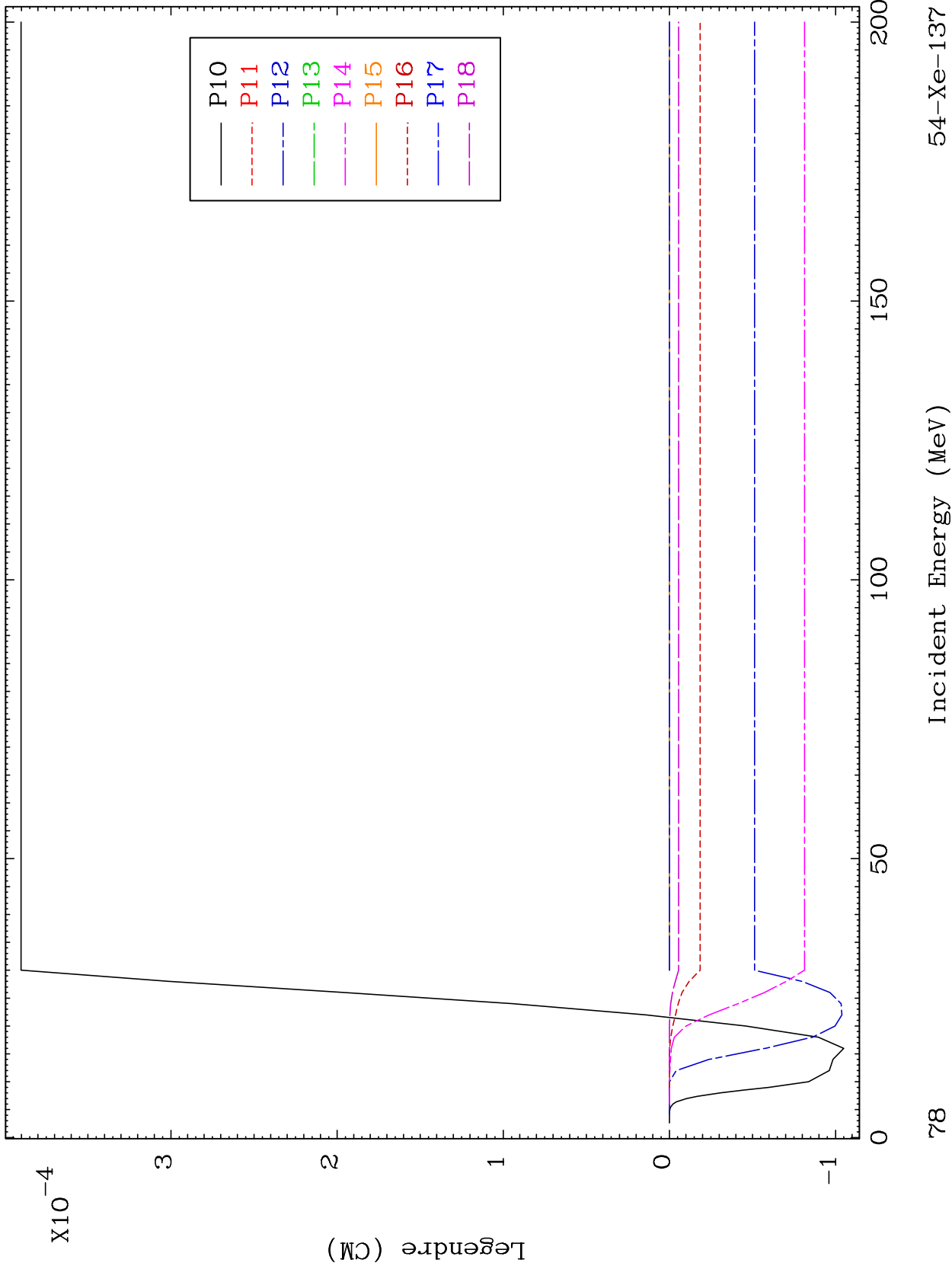
54-Xe-137



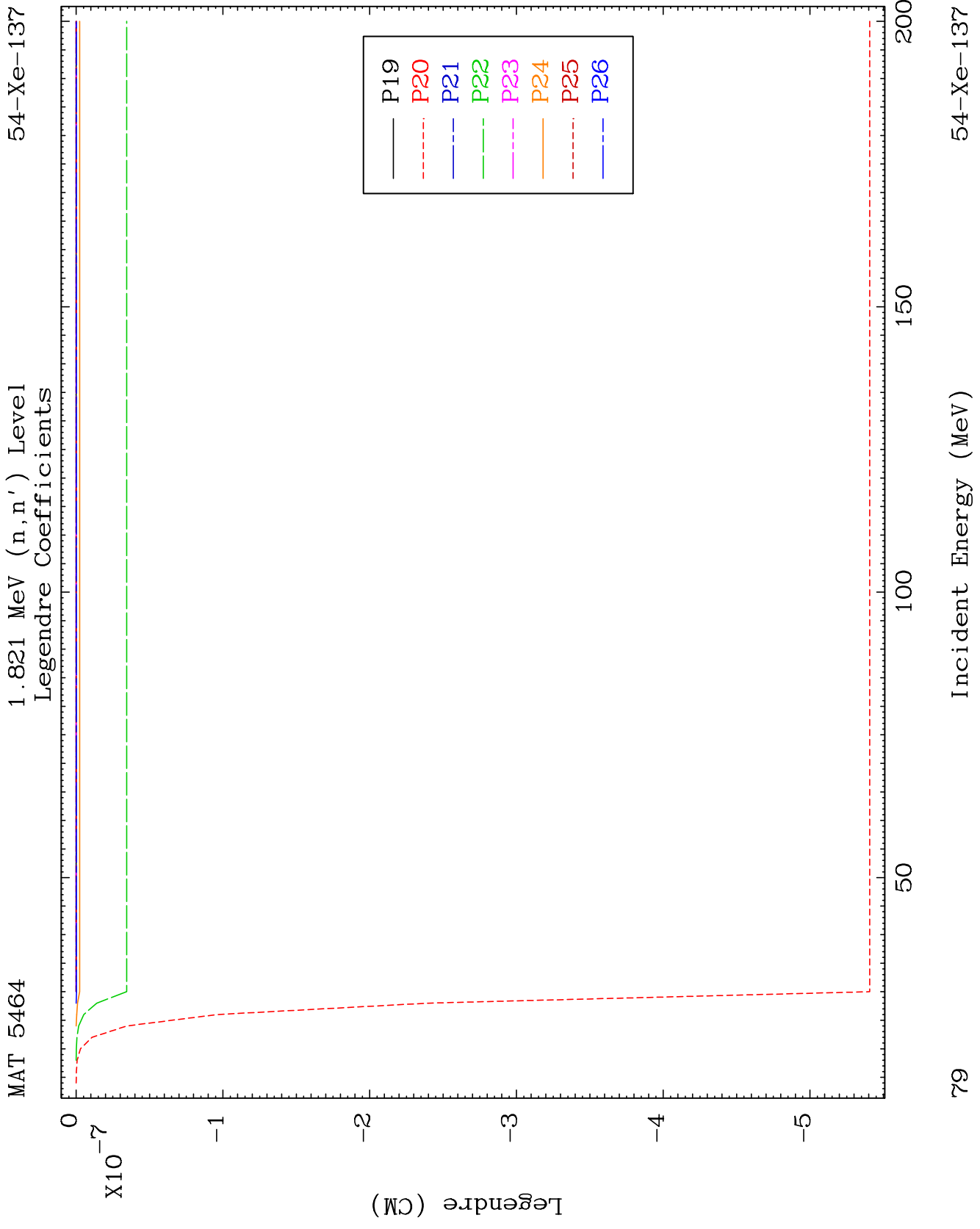
MAT 5464

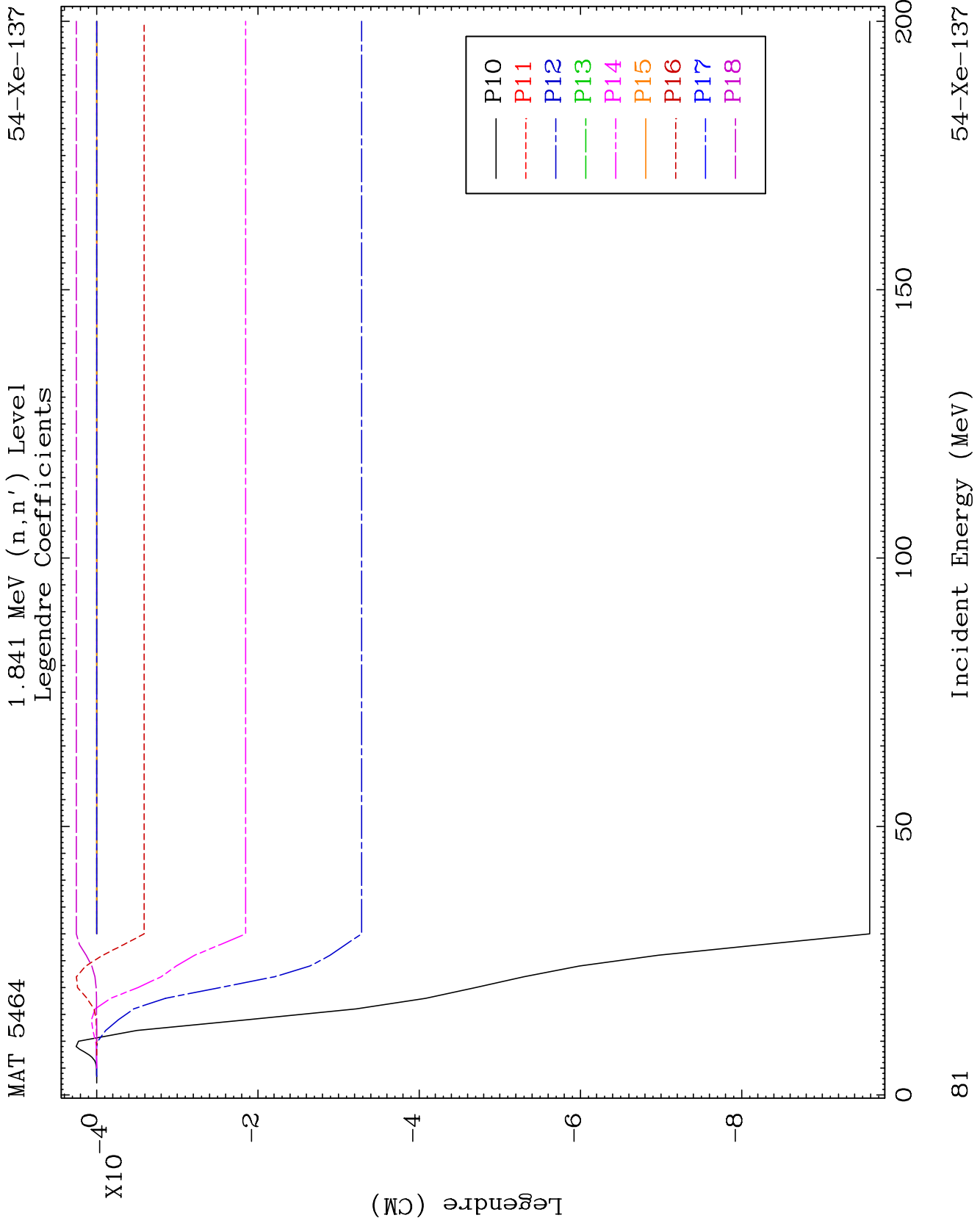
1.821 MeV (n,n') Level
Legendre Coefficients

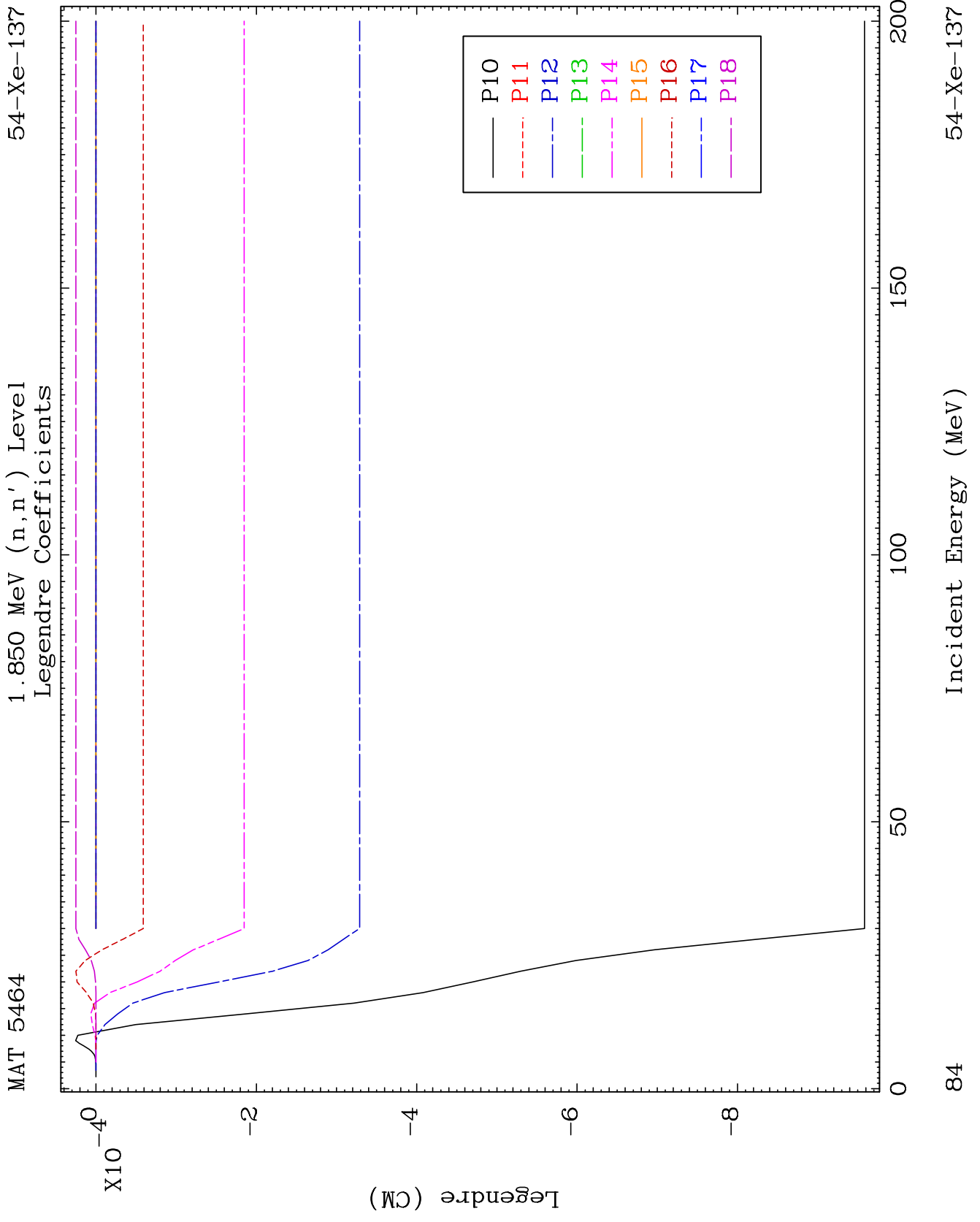
54-Xe-137



54-Xe-137



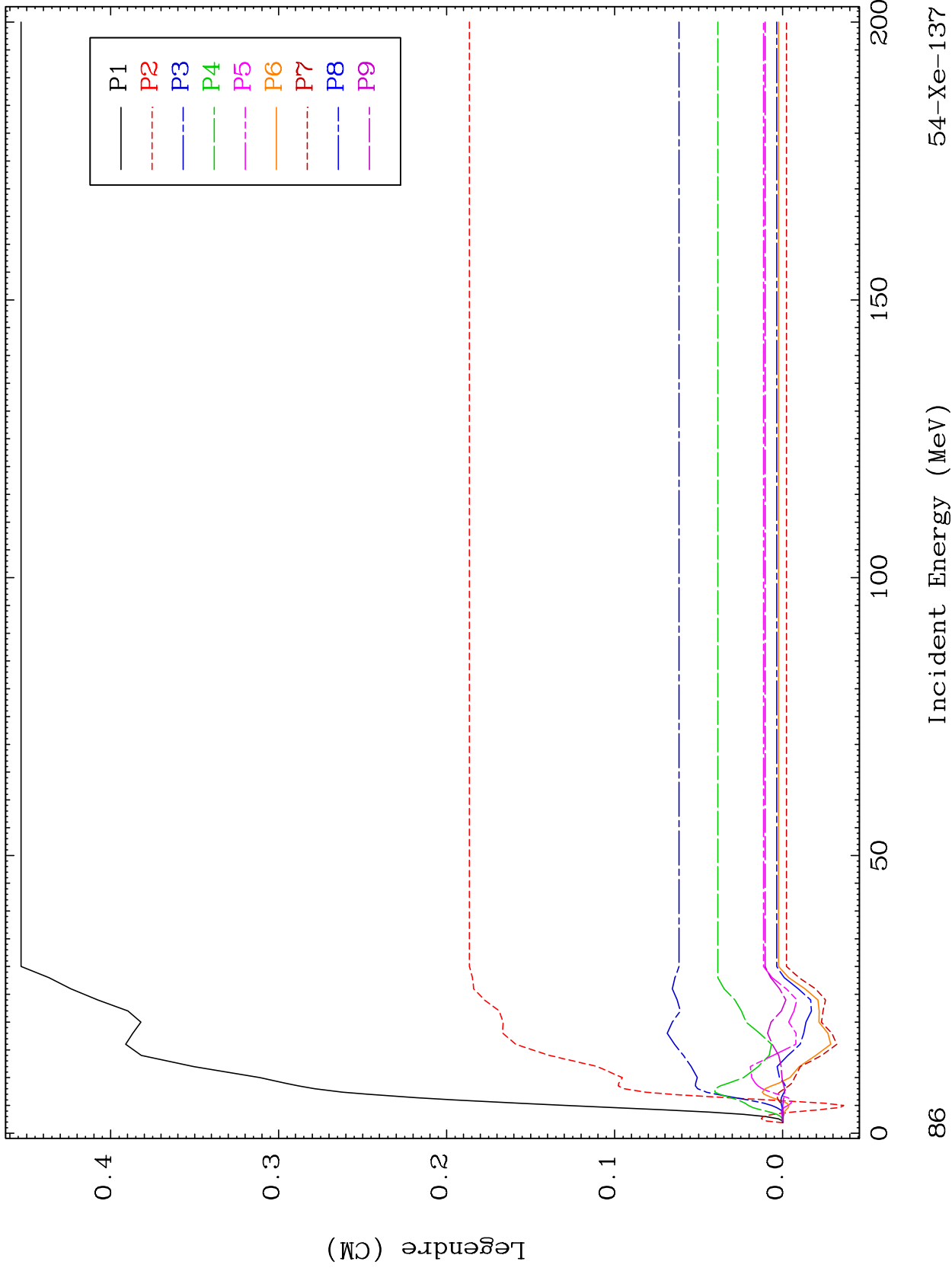




MAT 5464

1.873 MeV (n,n') Level
Legendre Coefficients

54-Xe-137



54-Xe-137

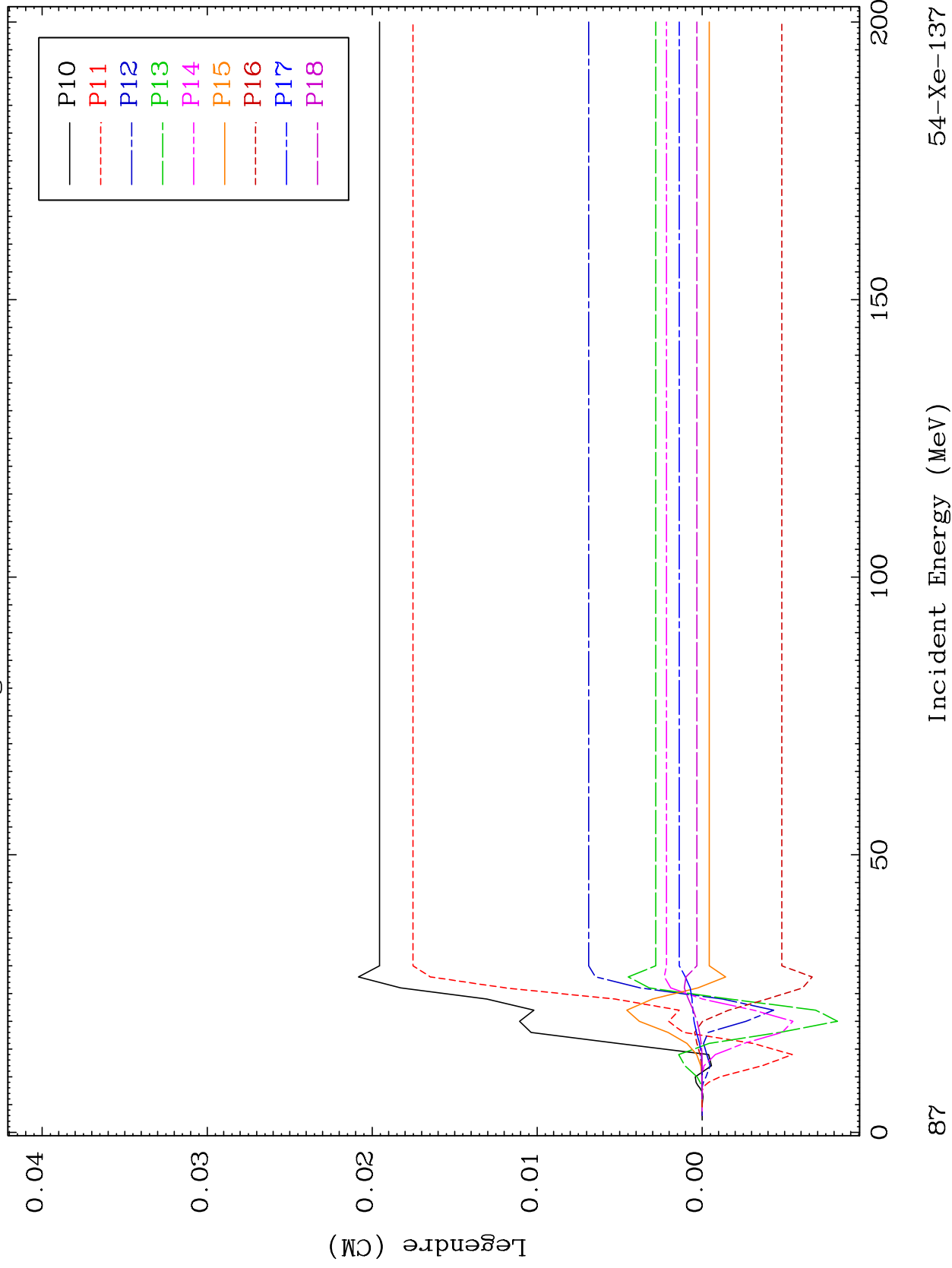
Incident Energy (MeV)

86

MAT 5464

1.873 MeV (n,n') Level
Legendre Coefficients

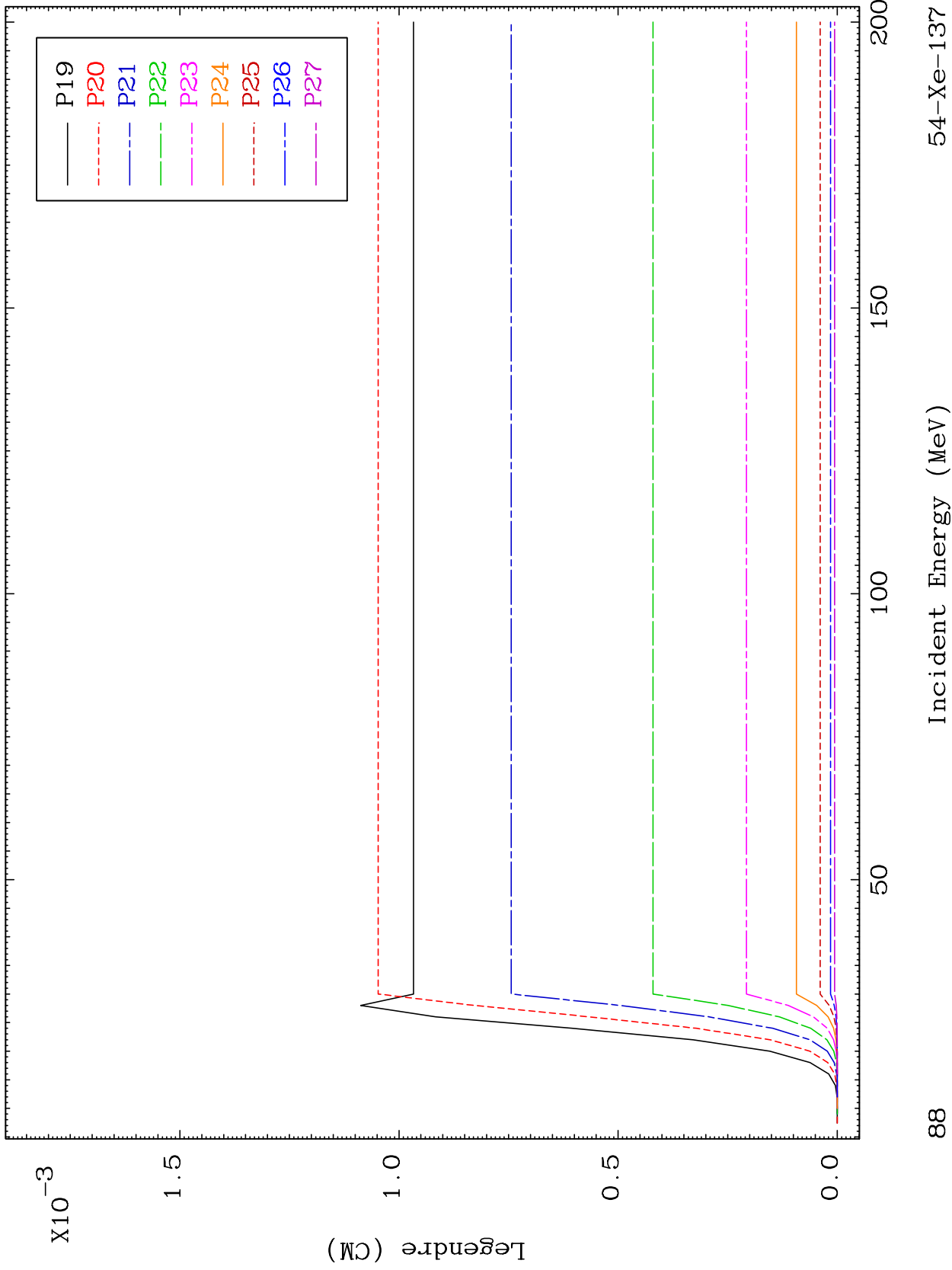
54-Xe-137



54-Xe-137

Incident Energy (MeV)

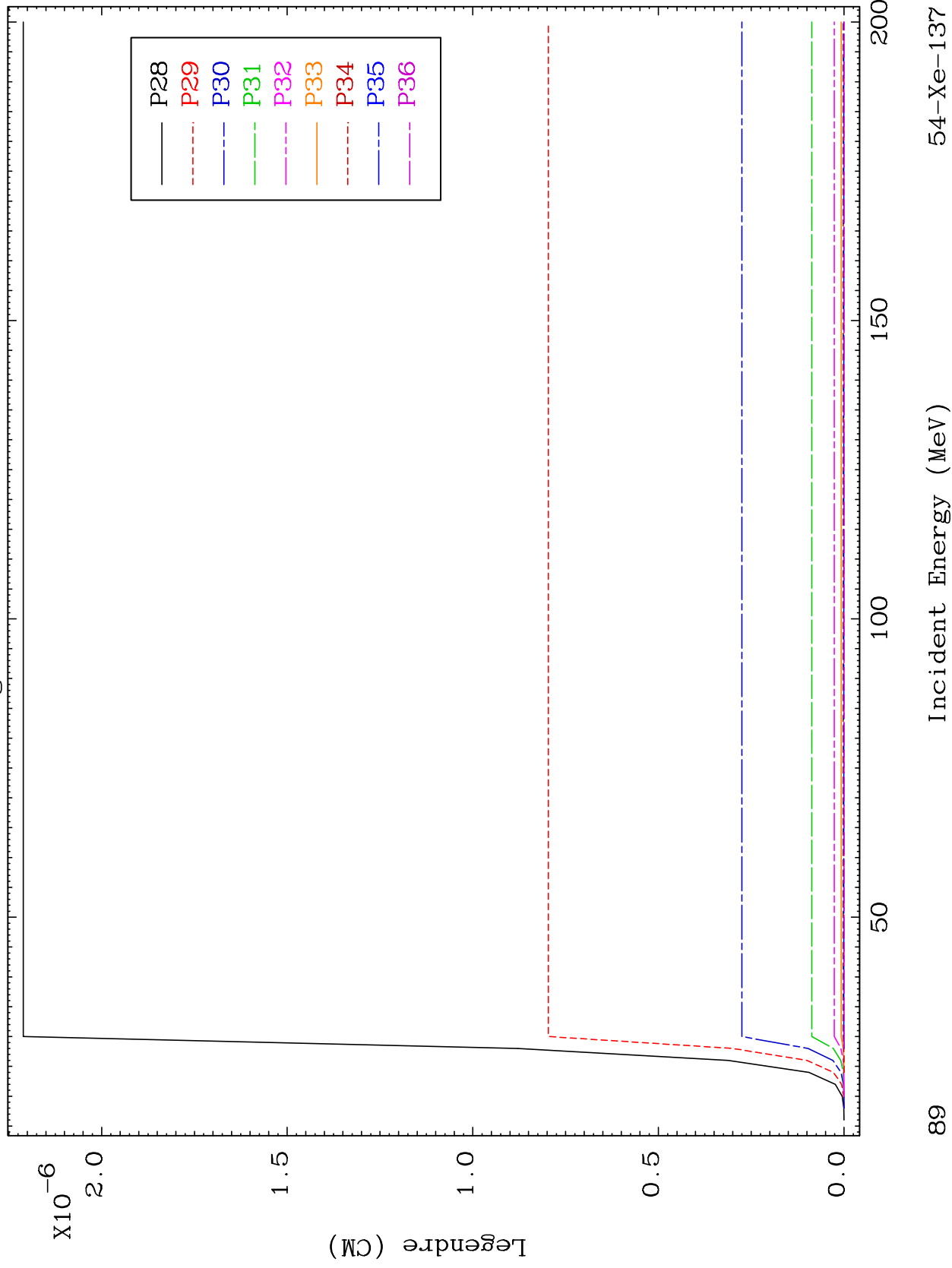
87



MAT 5464

1.873 MeV (n,n') Level
Legendre Coefficients

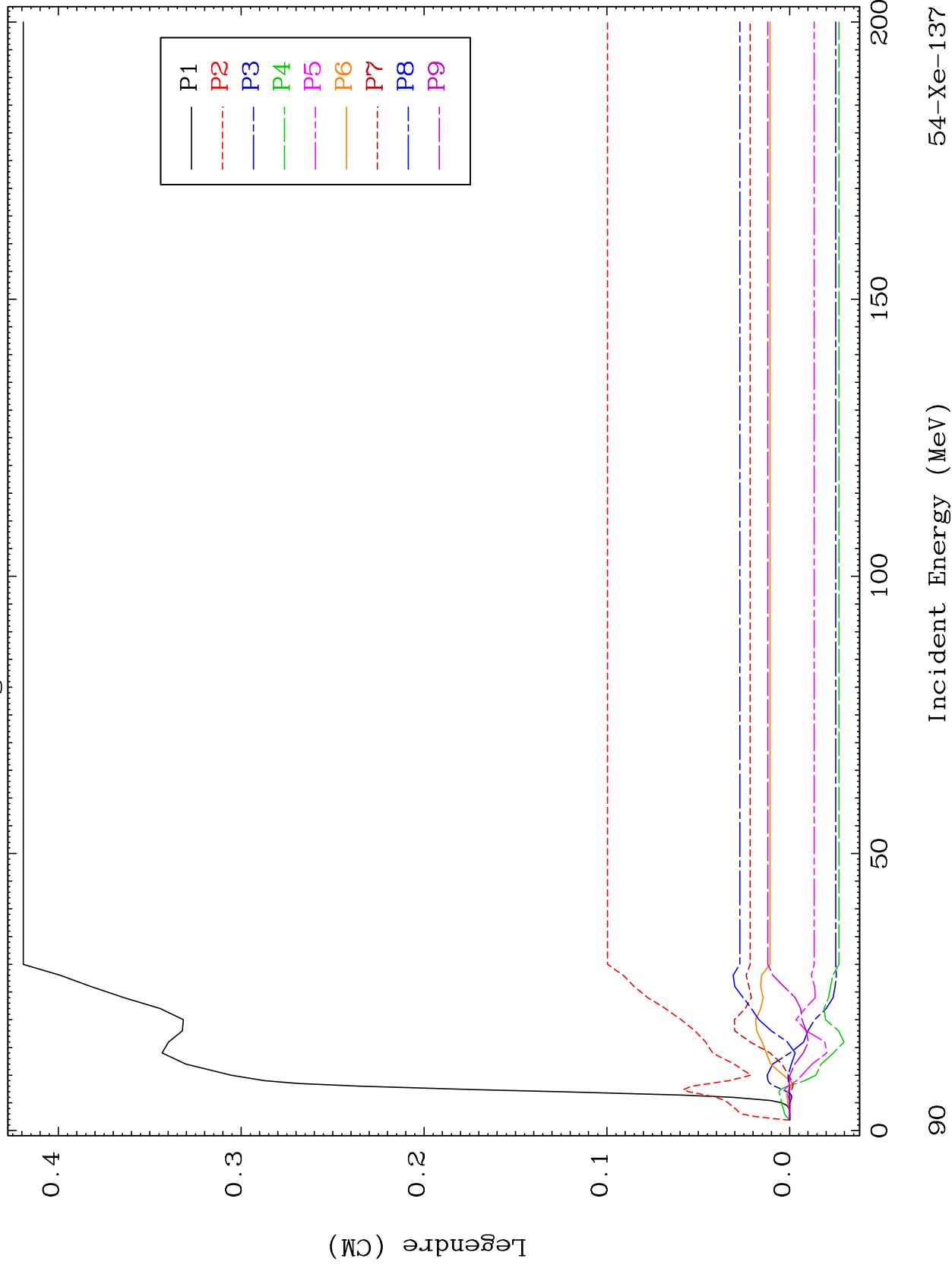
54-Xe-137



MAT 5464

1.879 MeV (n,n') Level
Legendre Coefficients

54-Xe-137



54-Xe-137

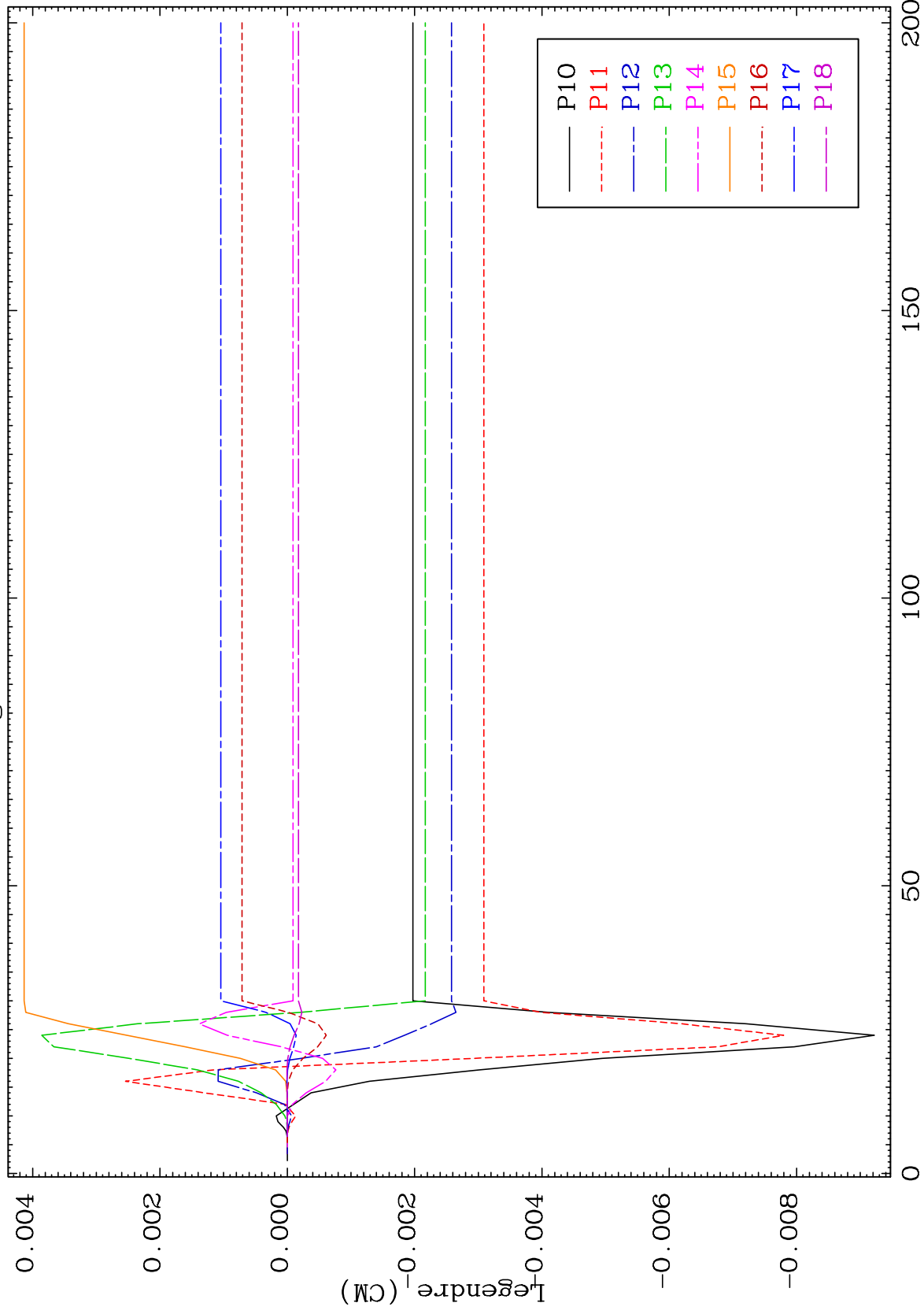
Incident Energy (MeV)

90

MAT 5464

1.879 MeV (n,n') Level
Legendre Coefficients

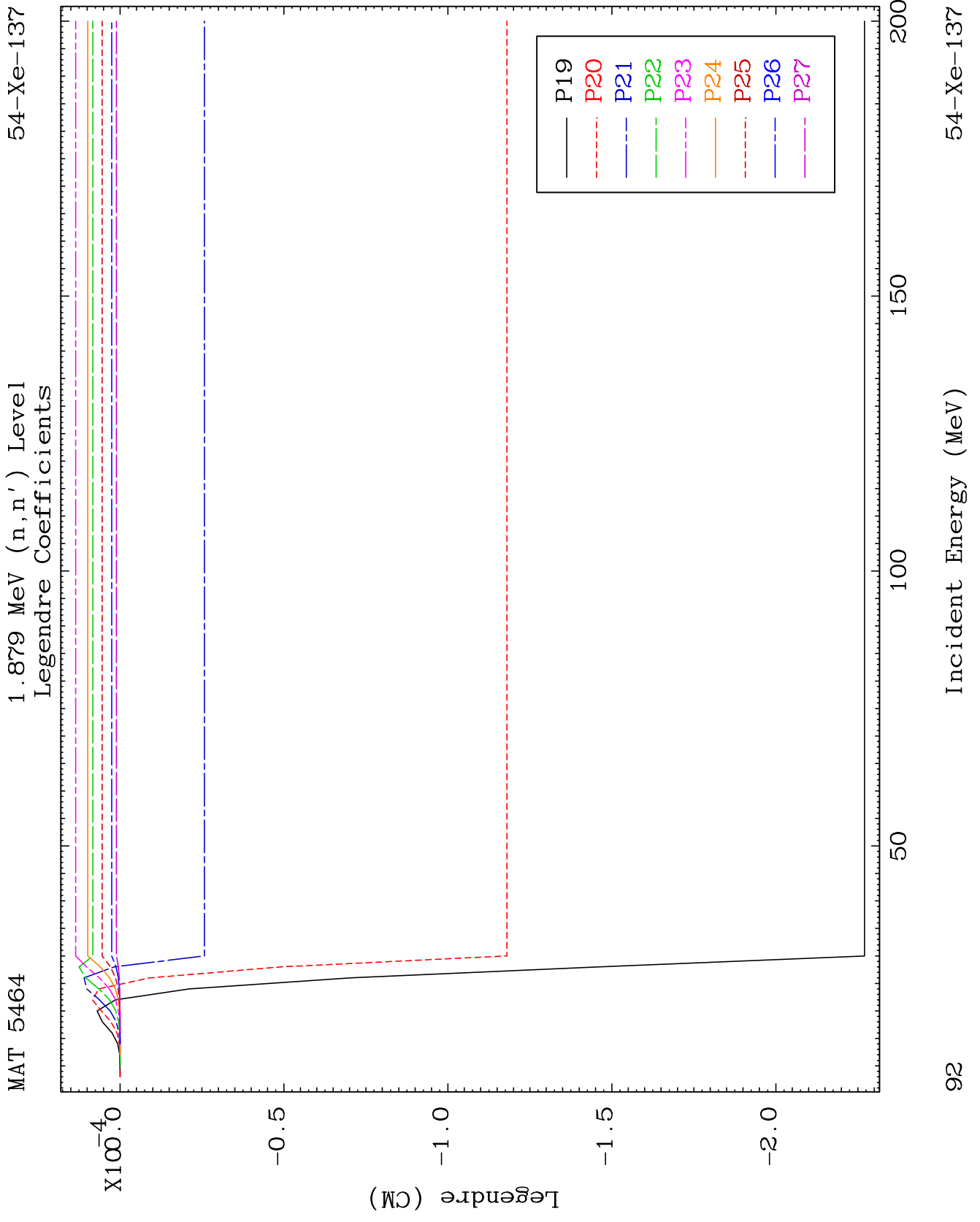
54-Xe-137



91

Incident Energy (MeV)

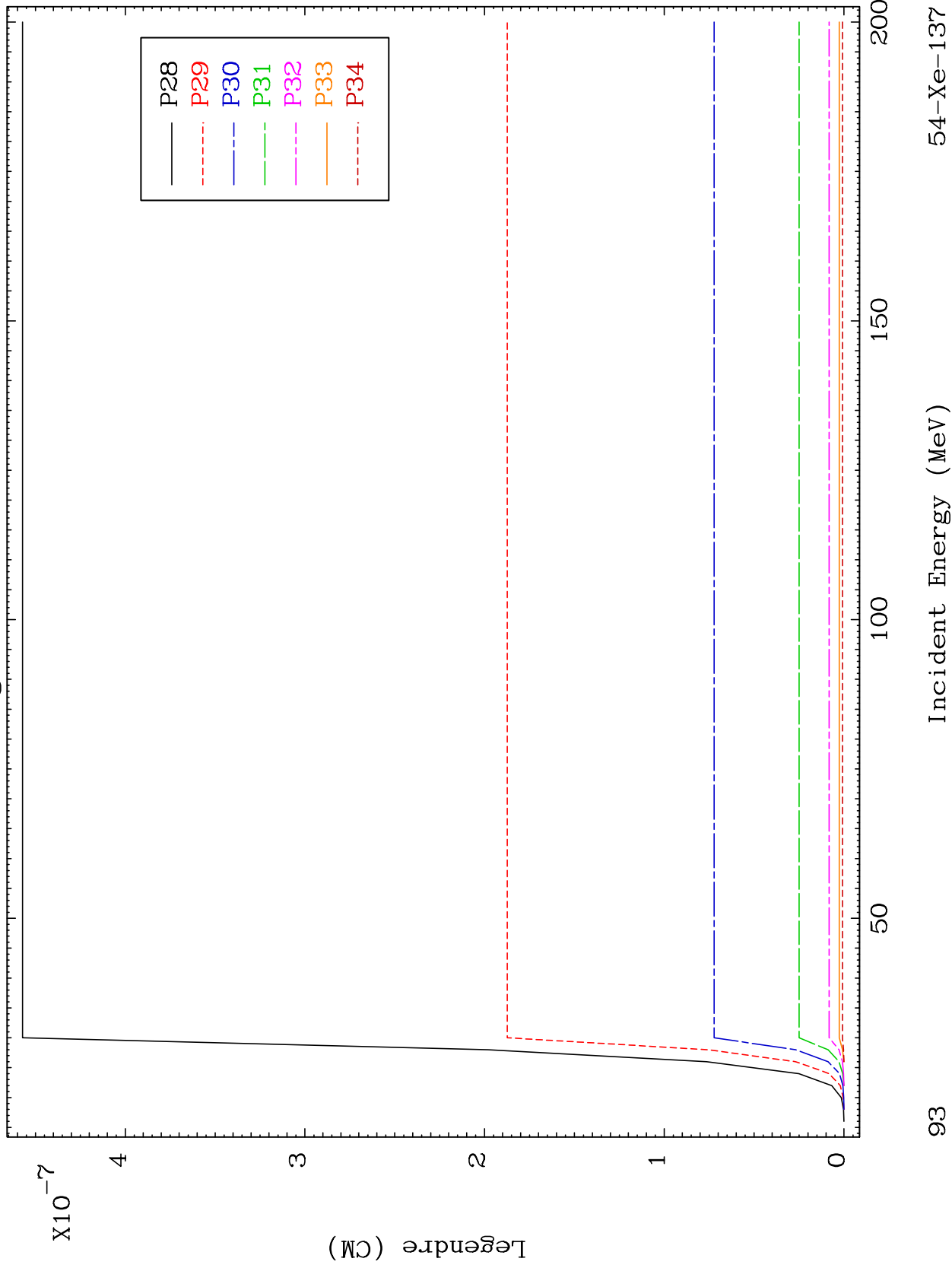
54-Xe-137



MAT 5464

1.879 MeV (n, n') Level
Legendre Coefficients

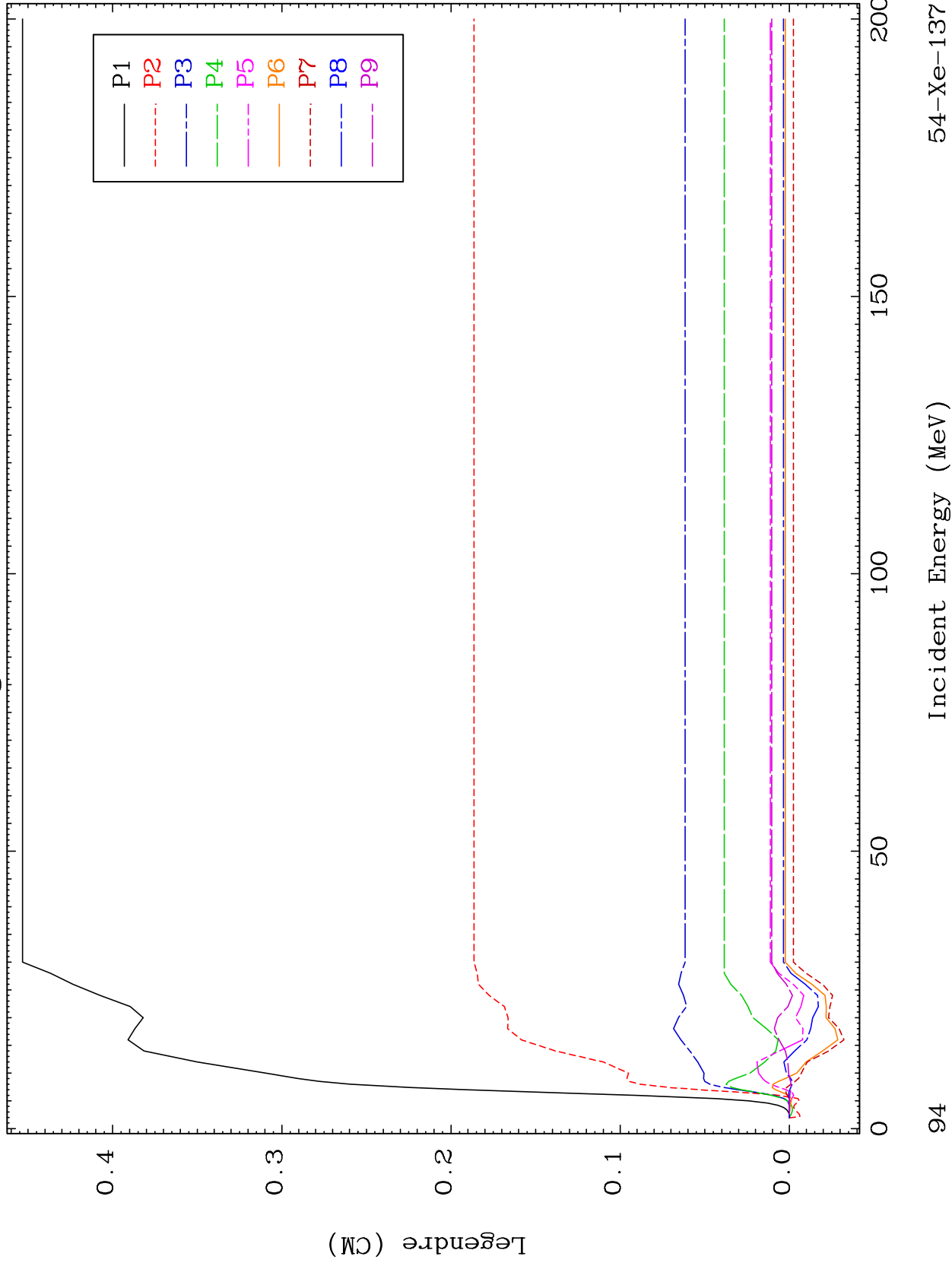
54-Xe-137



MAT 5464

1.898 MeV (n,n') Level
Legendre Coefficients

54-Xe-137



54-Xe-137

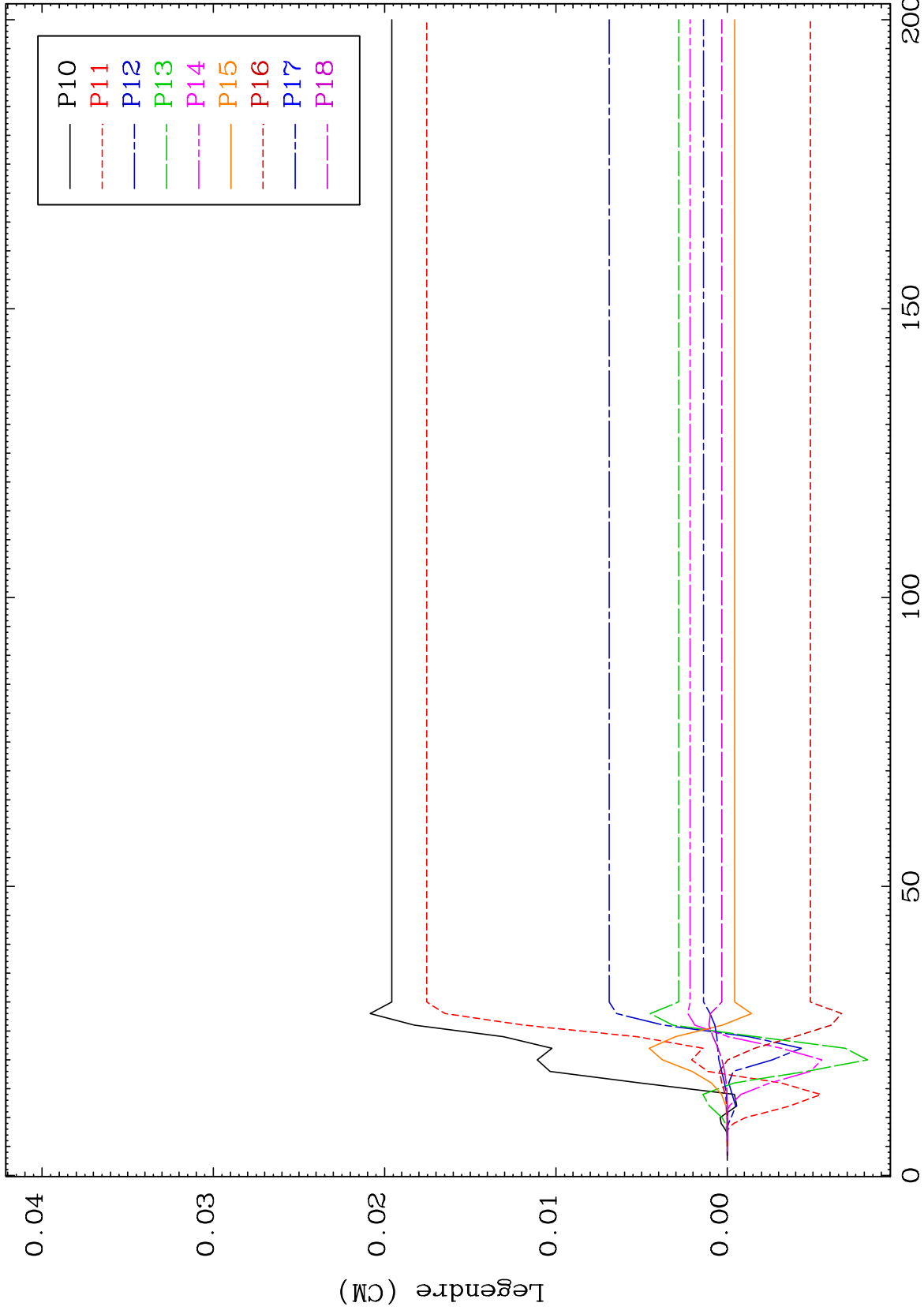
Incident Energy (MeV)

94

MAT 5464

1.898 MeV (n,n') Level
Legendre Coefficients

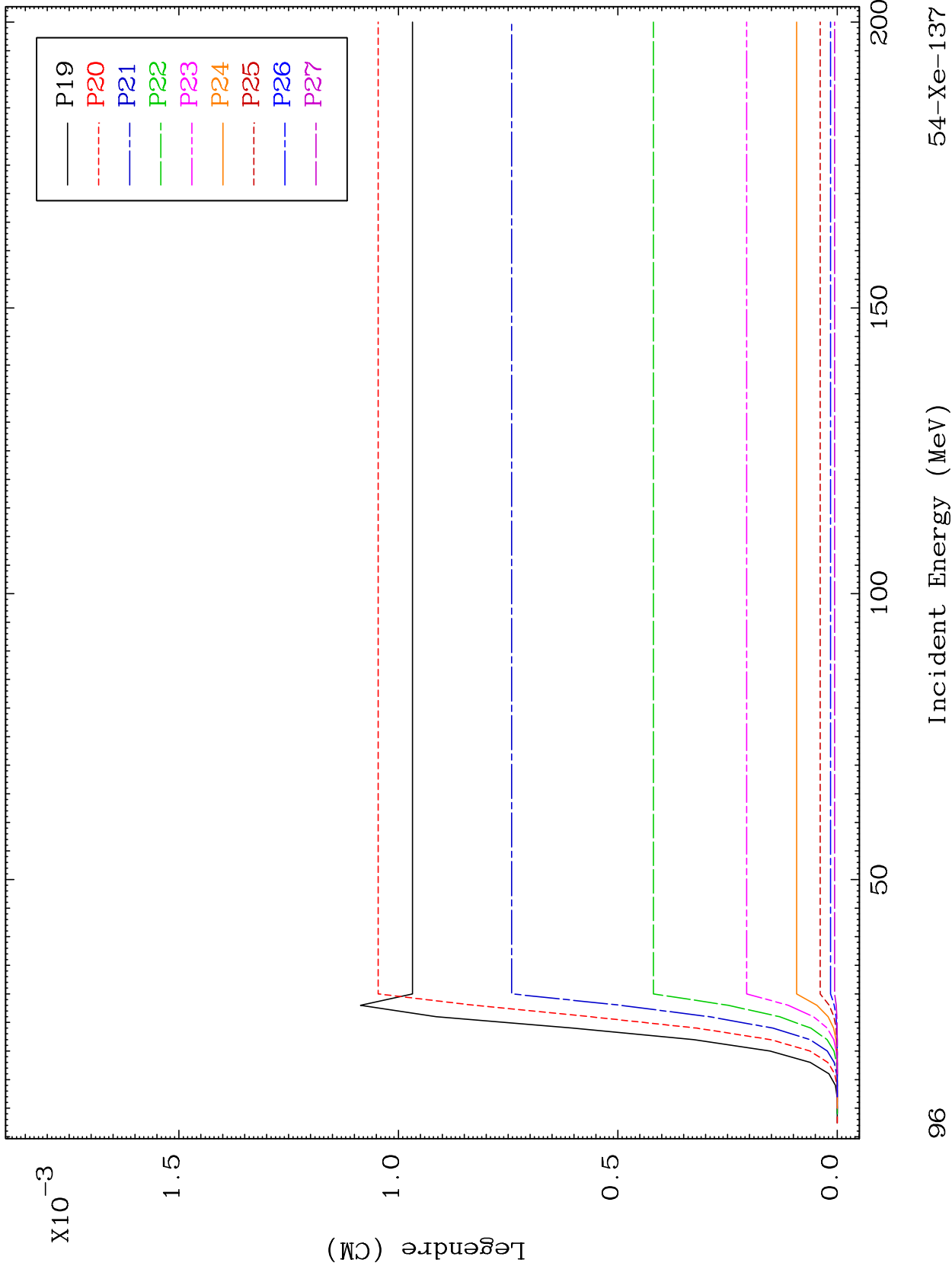
54-Xe-137

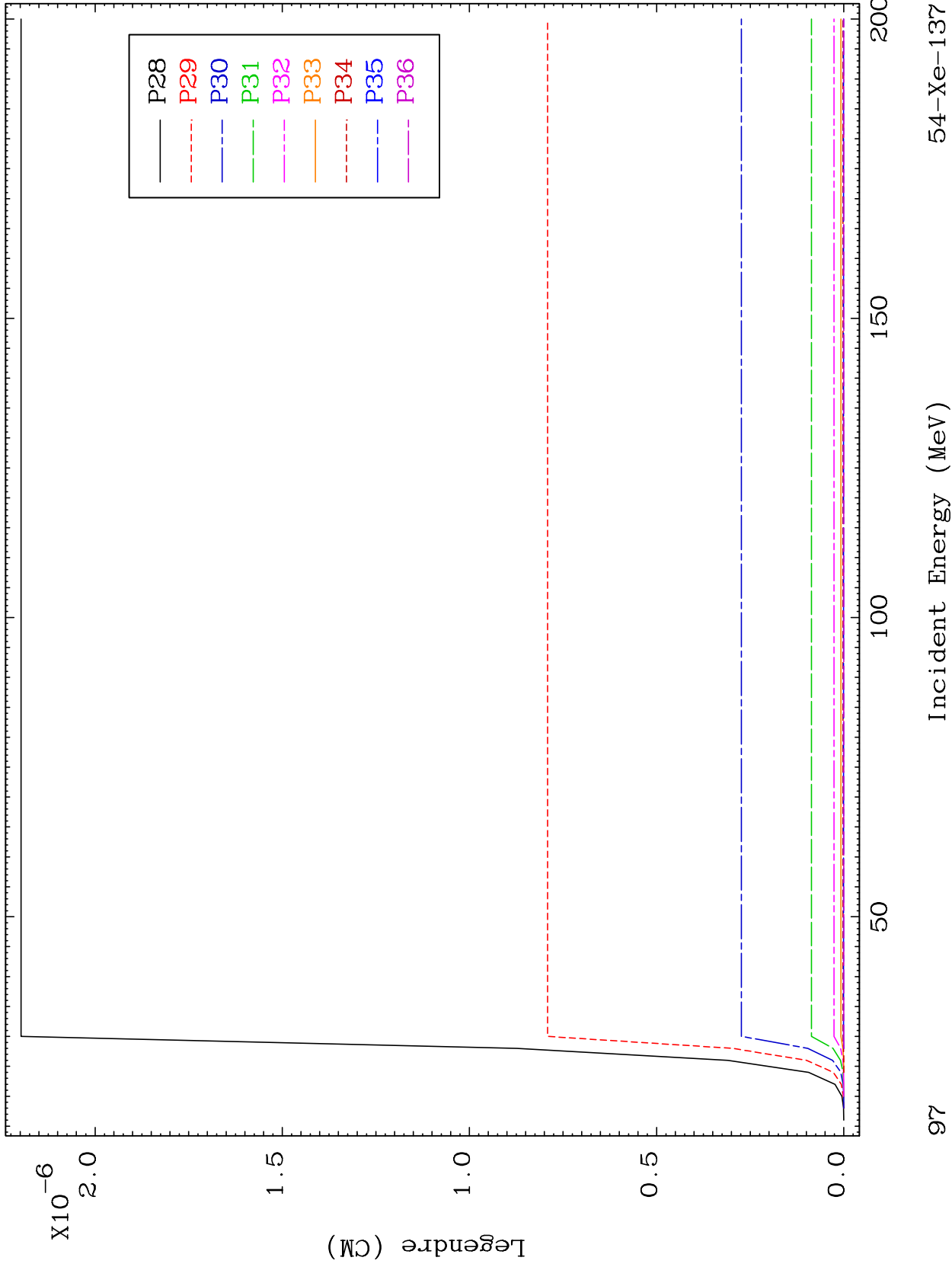


95

Incident Energy (MeV)

54-Xe-137

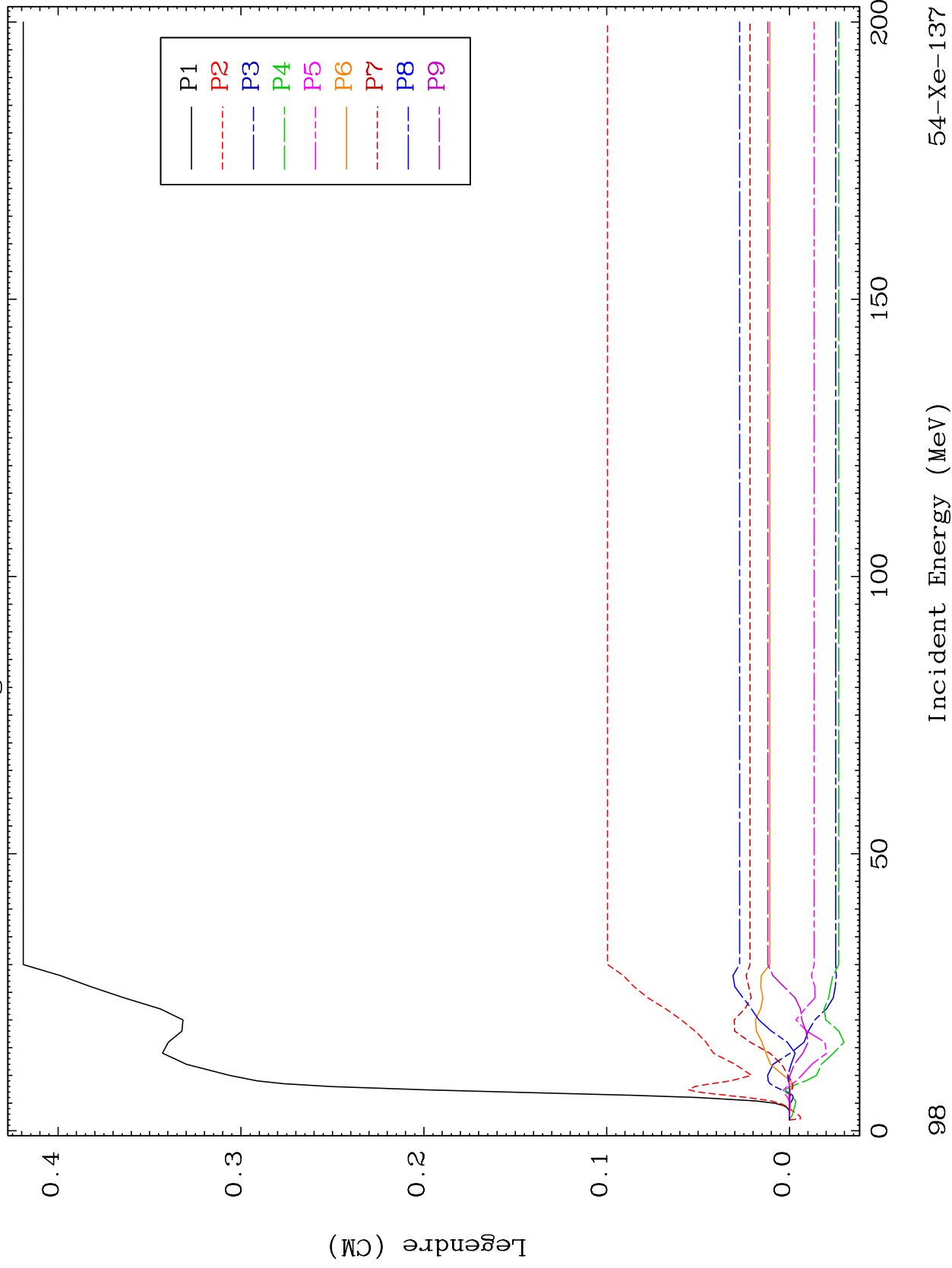




MAT 5464

1.926 MeV (n,n') Level
Legendre Coefficients

54-Xe-137



54-Xe-137

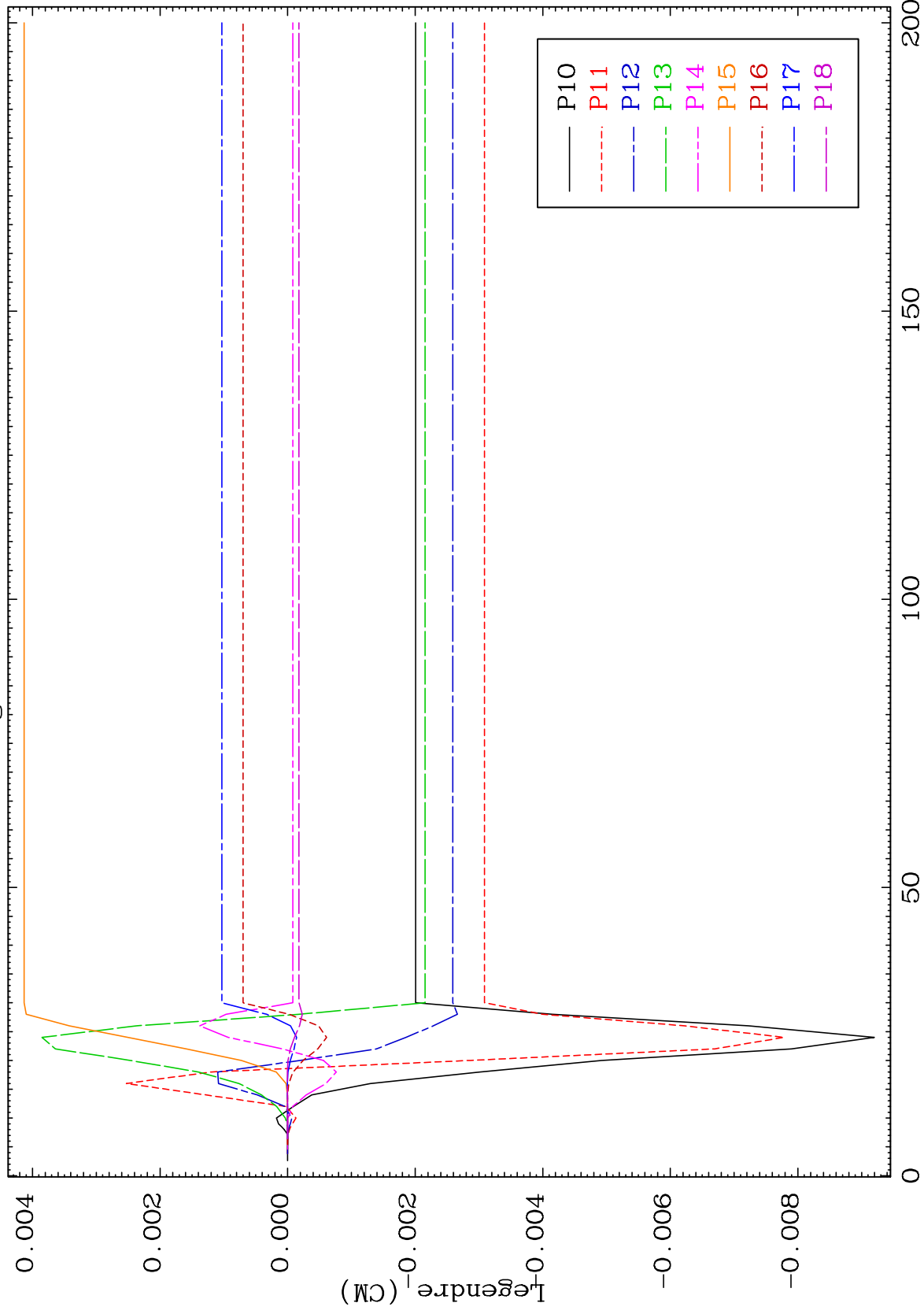
Incident Energy (MeV)

98

MAT 5464

1.926 MeV (n,n') Level
Legendre Coefficients

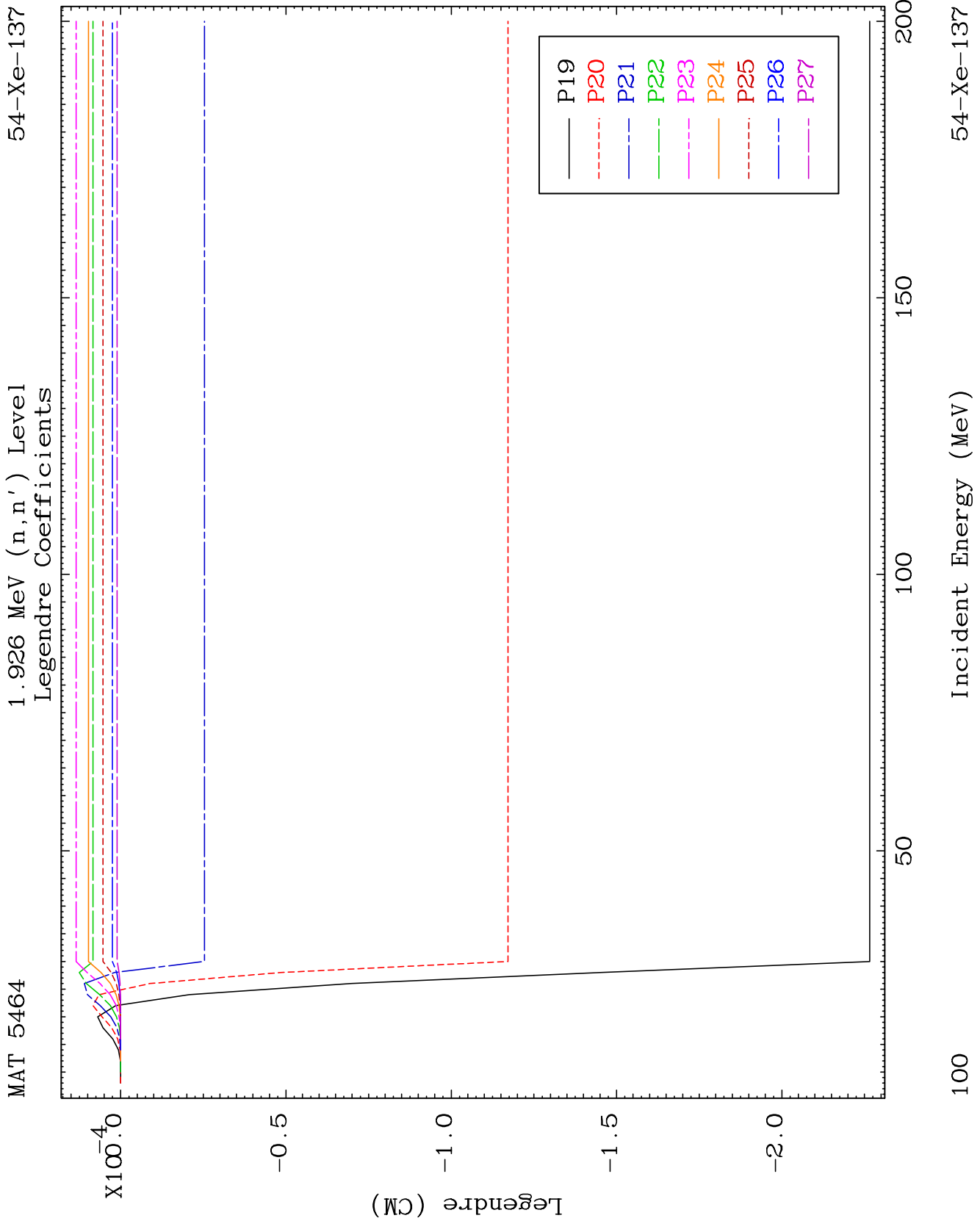
54-Xe-137



99

Incident Energy (MeV)

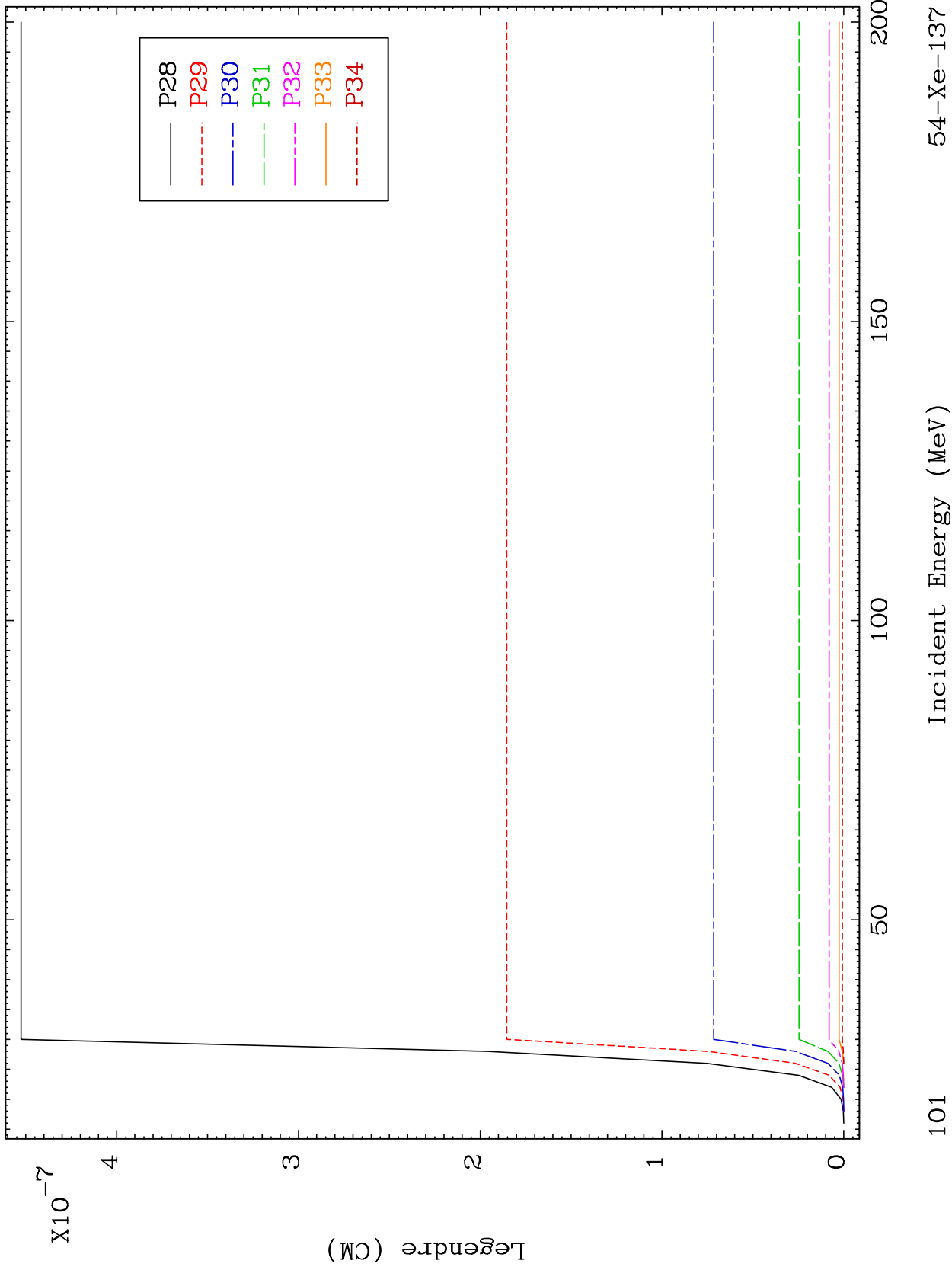
54-Xe-137



MAT 5464

1.926 MeV (n,n') Level
Legendre Coefficients

54-Xe-137



101

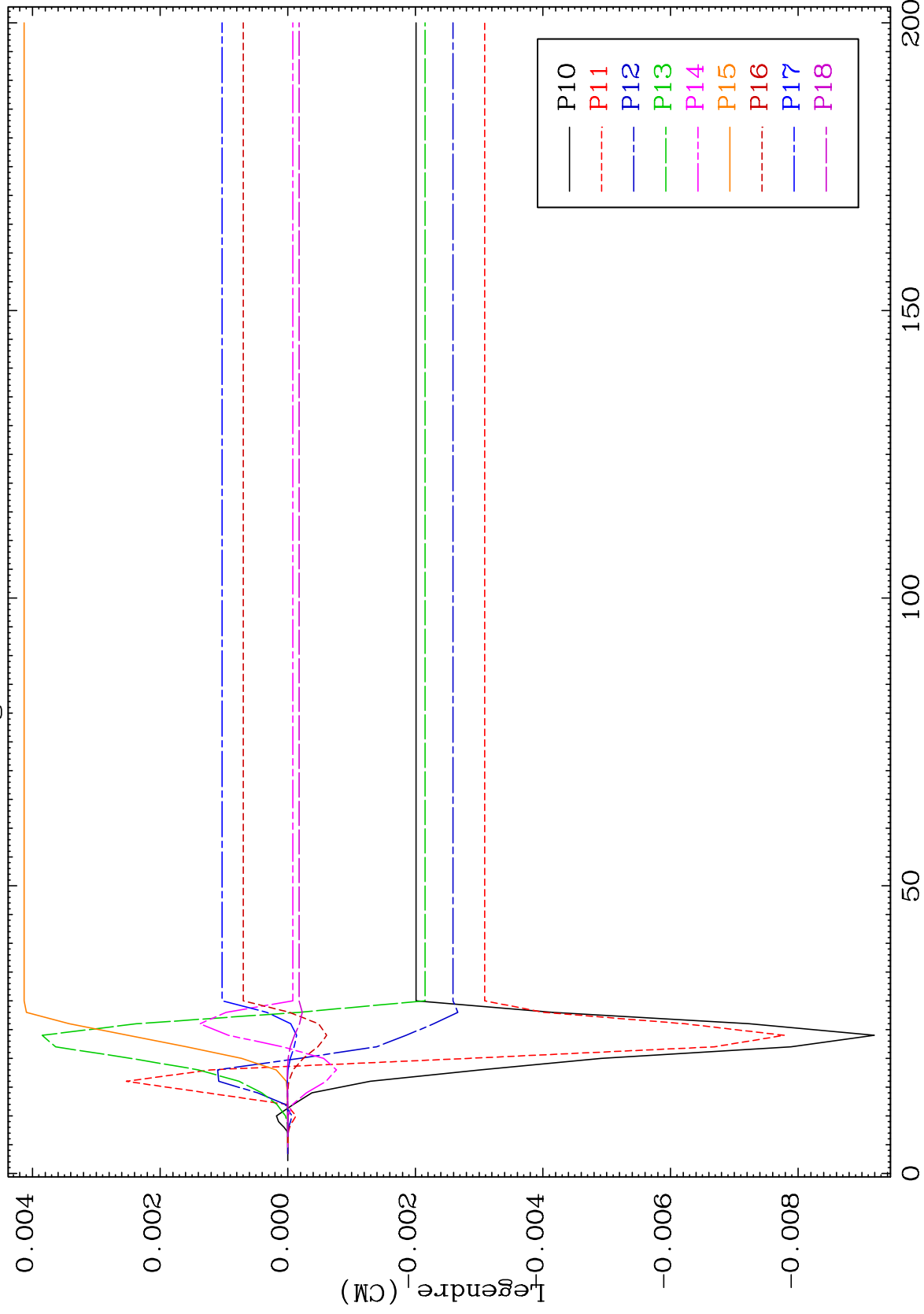
Incident Energy (MeV)

54-Xe-137

MAT 5464

1.935 MeV (n, n') Level
Legendre Coefficients

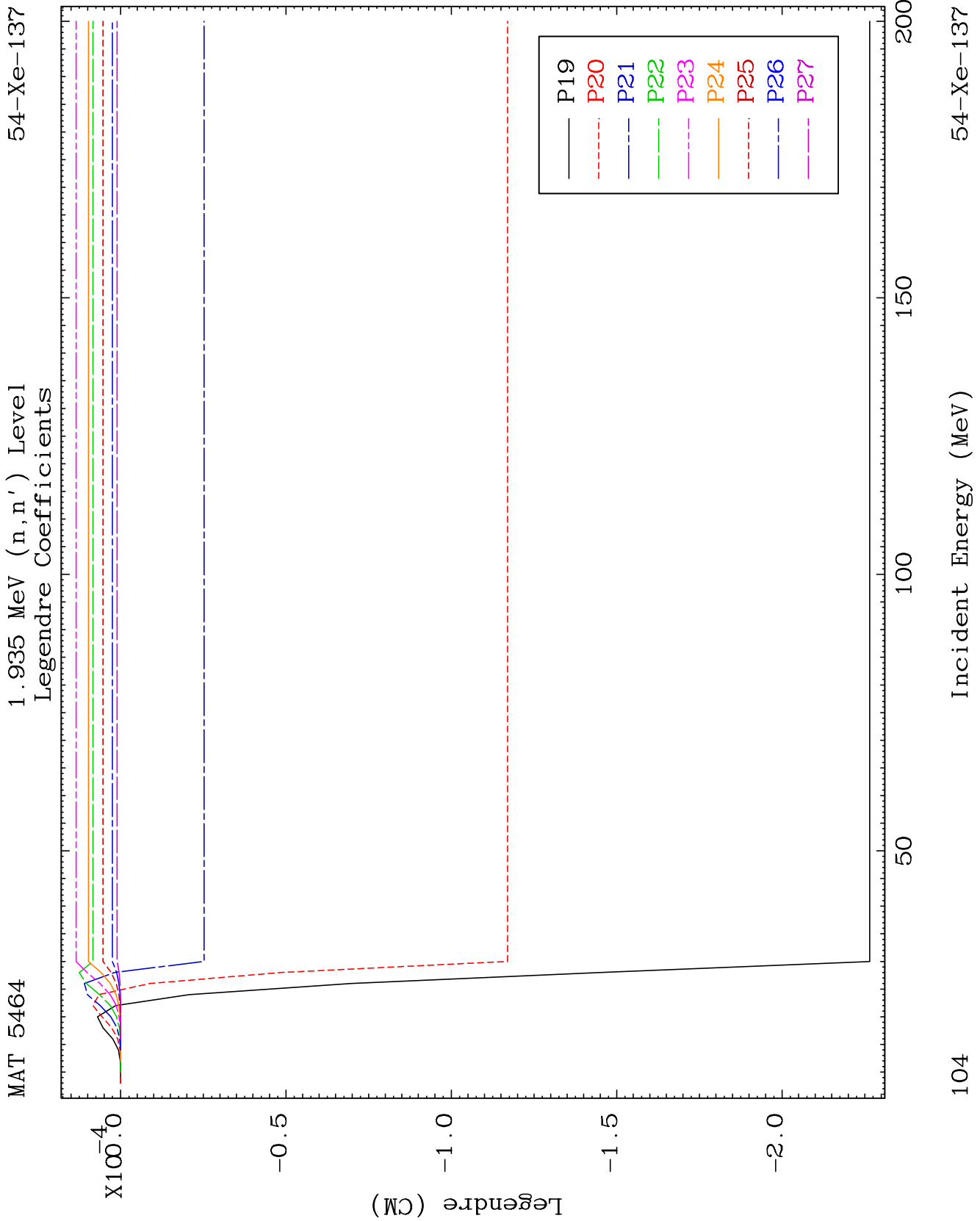
54-Xe-137



103

Incident Energy (MeV)

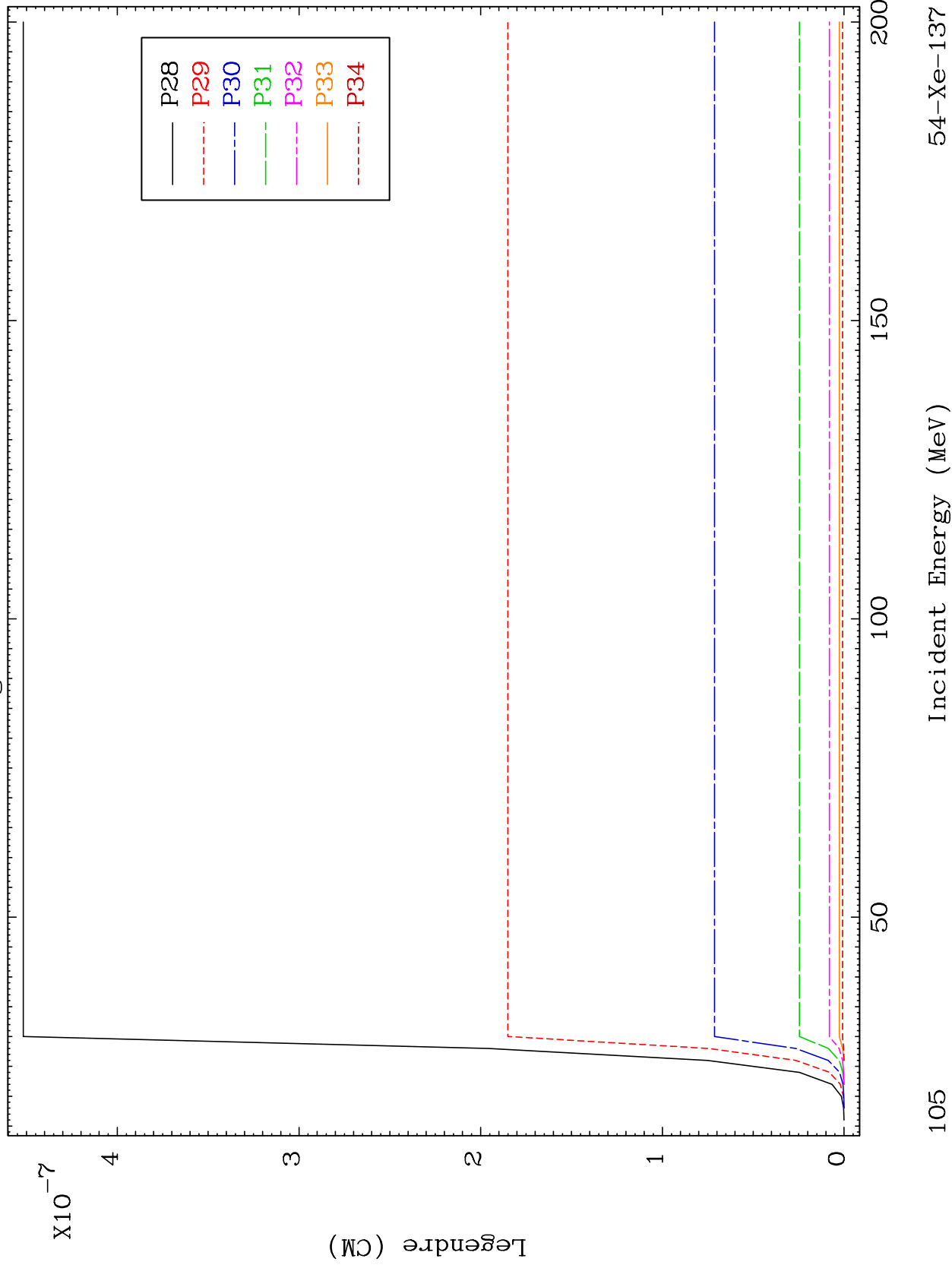
54-Xe-137



MAT 5464

1.935 MeV (n,n') Level
Legendre Coefficients

54-Xe-137



54-Xe-137

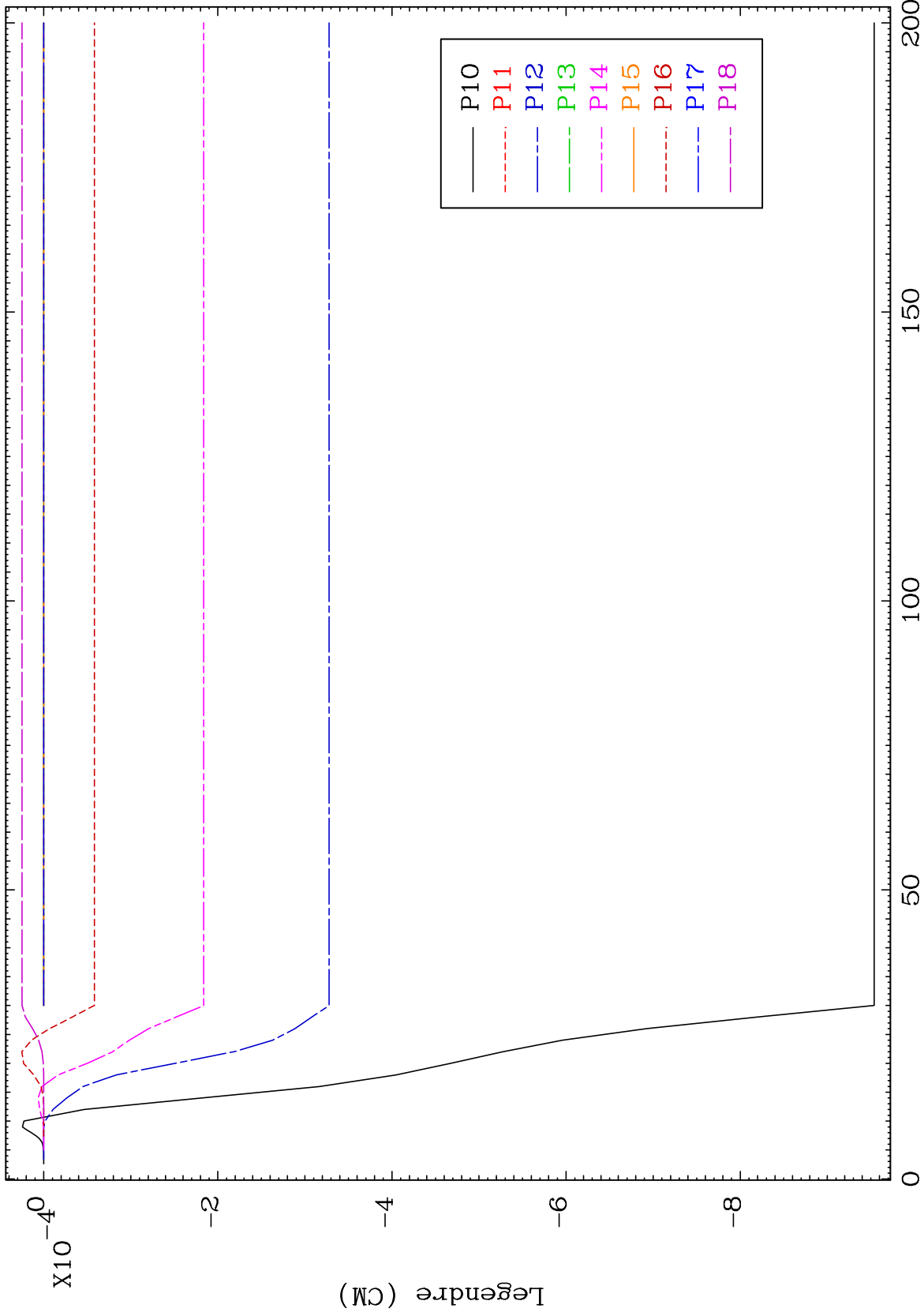
Incident Energy (MeV)

105

MAT 5464

1.964 MeV (n,n') Level
Legendre Coefficients

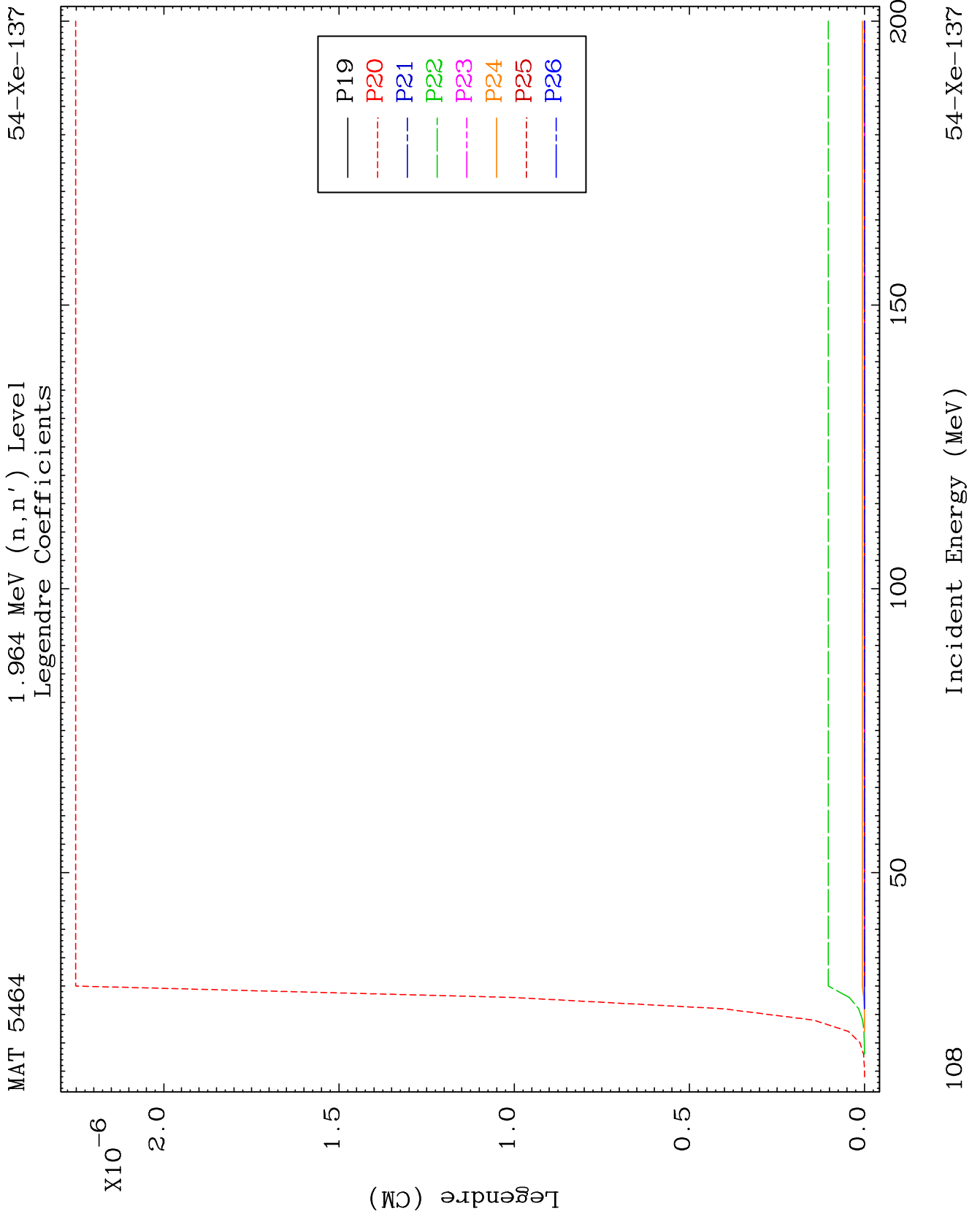
54-Xe-137



107

Incident Energy (MeV)

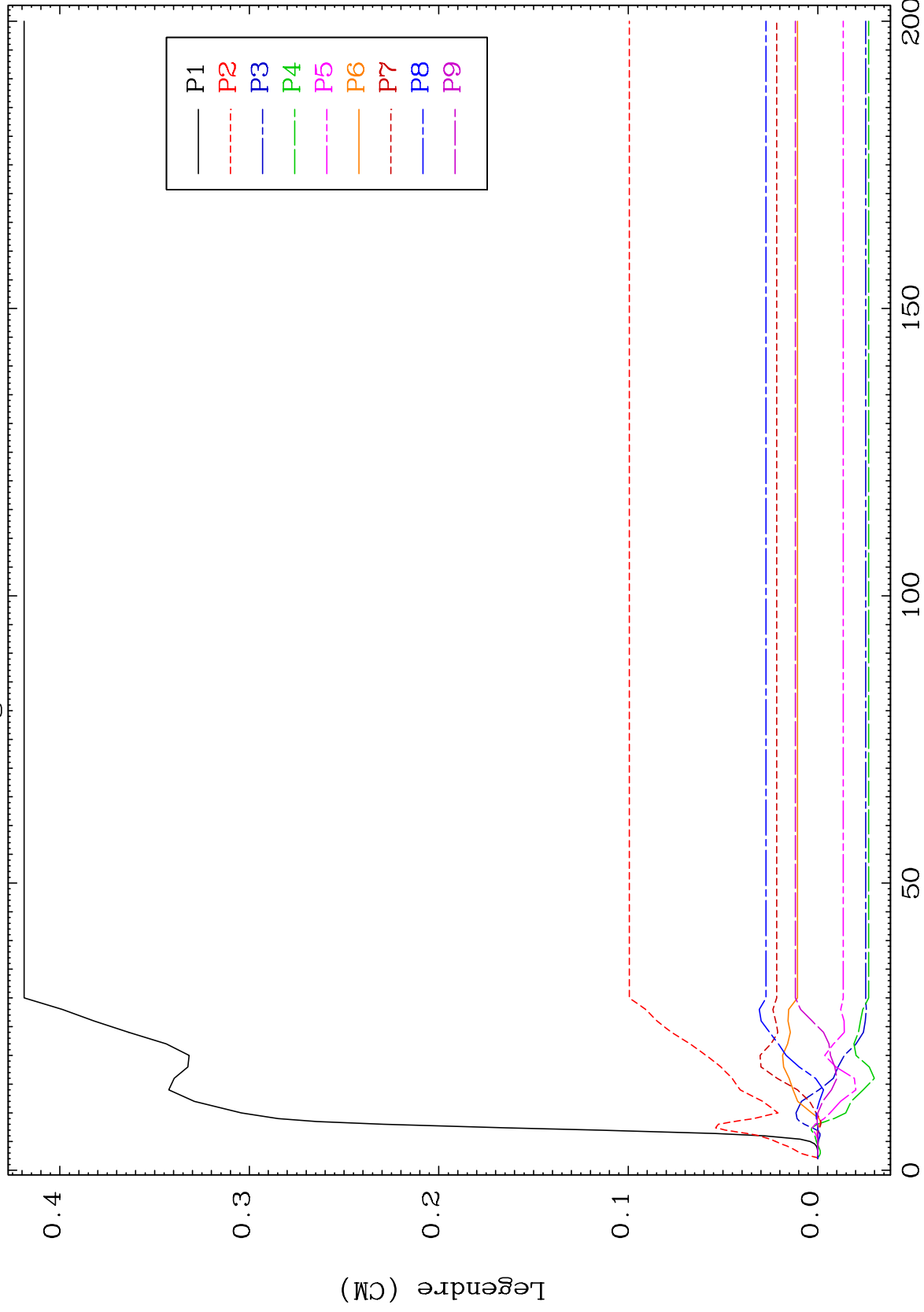
54-Xe-137



MAT 5464

1.991 MeV (n,n') Level
Legendre Coefficients

54-Xe-137



109

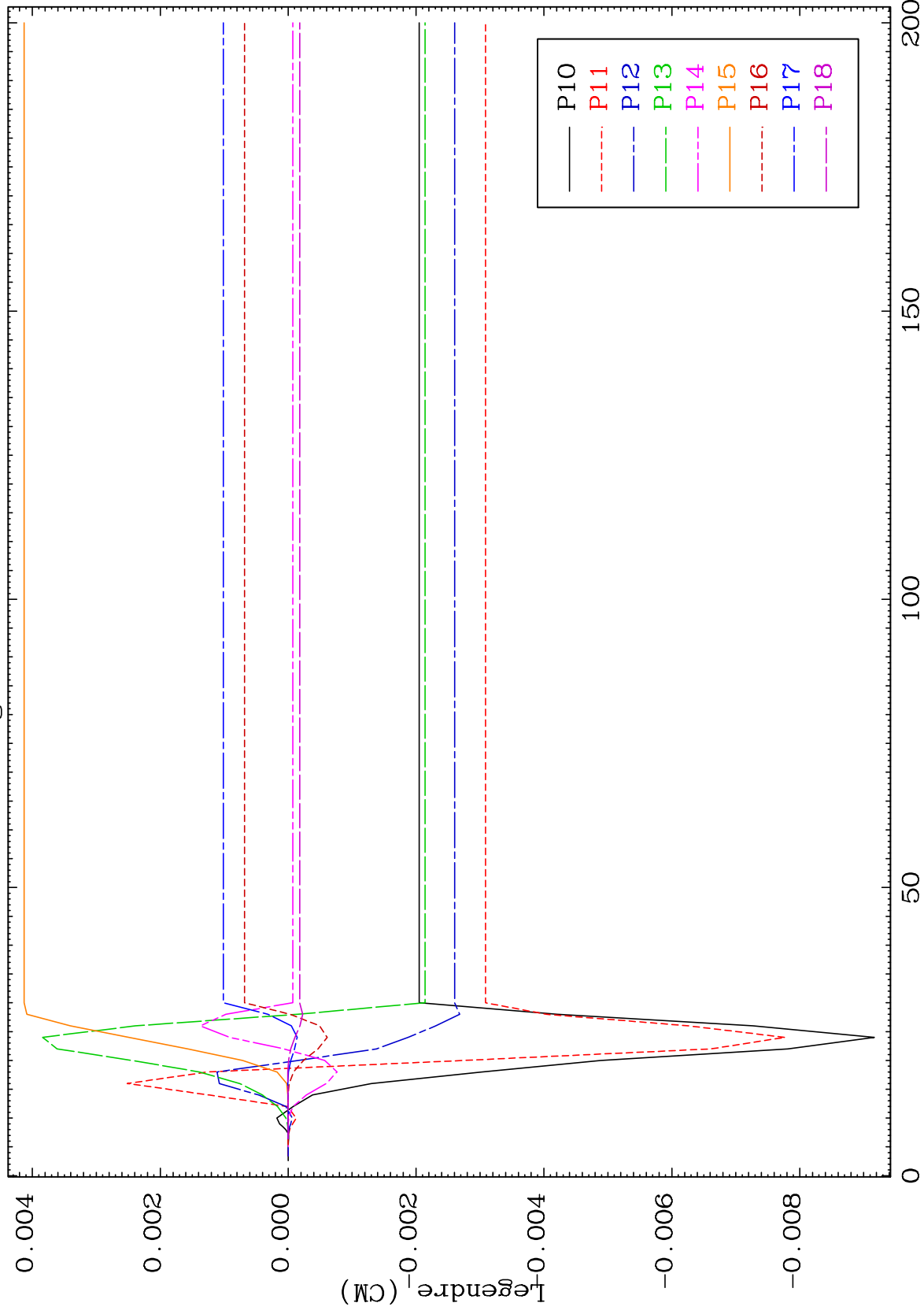
Incident Energy (MeV)

54-Xe-137

MAT 5464

1.991 MeV (n,n') Level
Legendre Coefficients

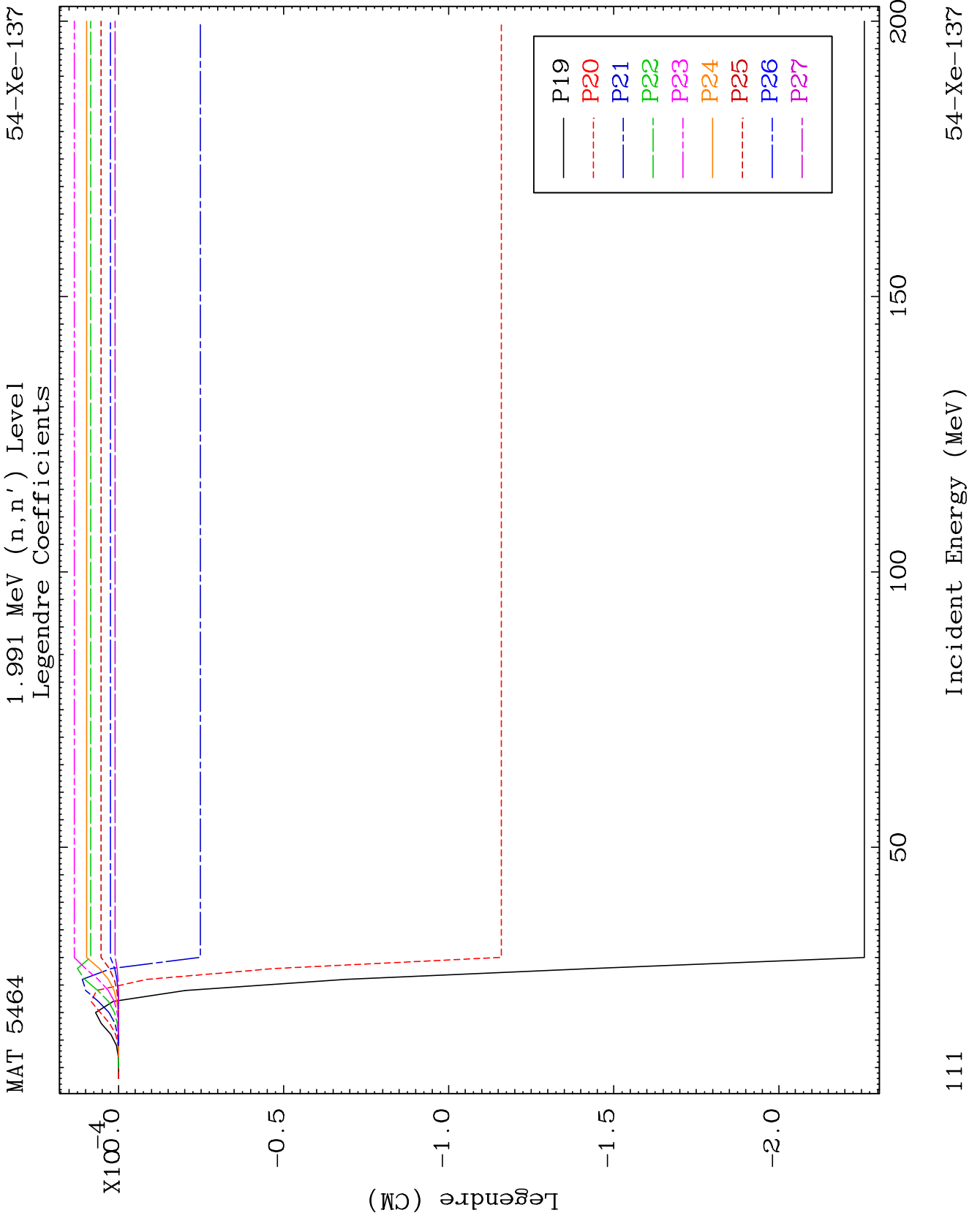
54-Xe-137



110

Incident Energy (MeV)

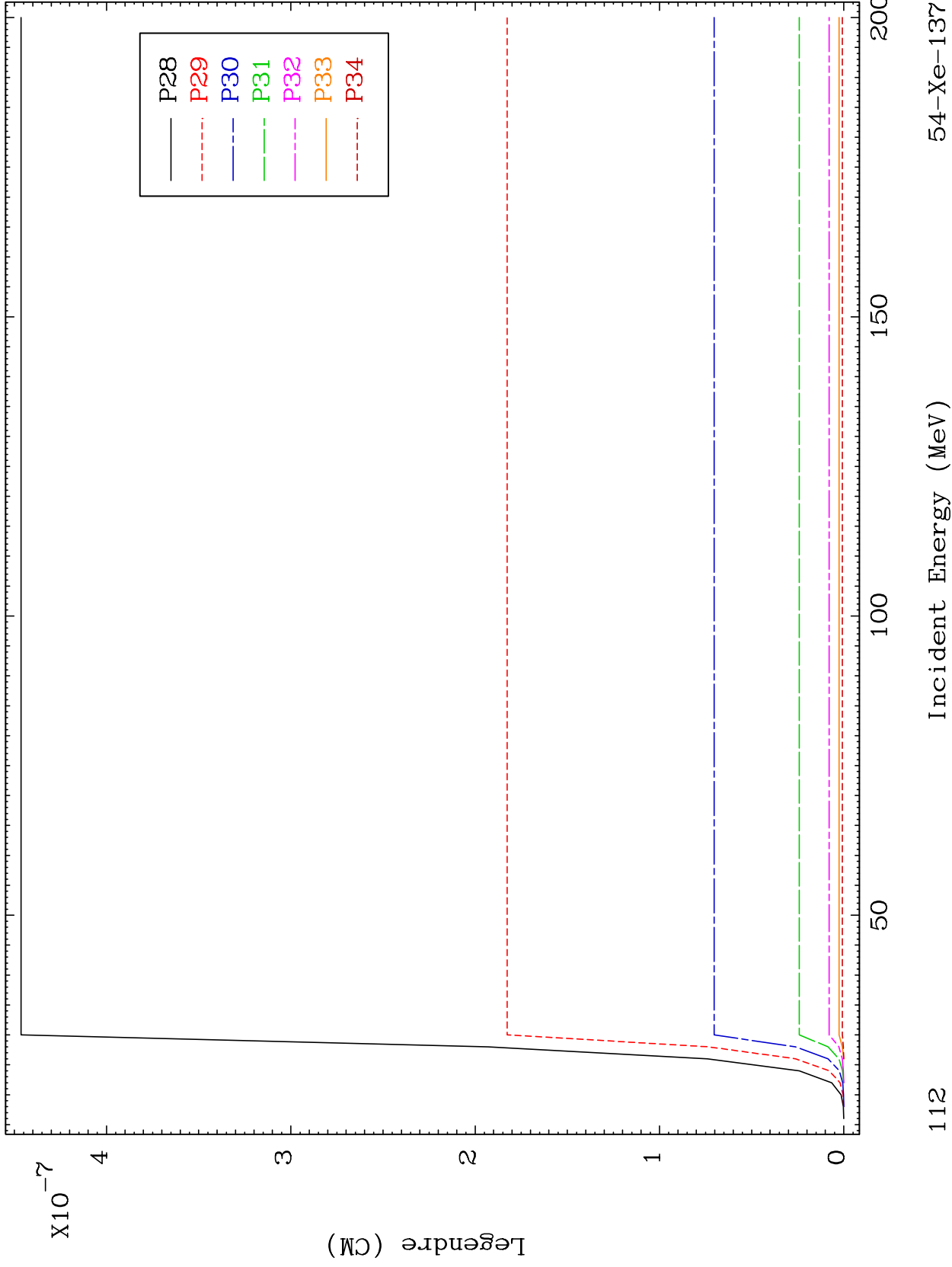
54-Xe-137



MAT 5464

1.991 MeV (n, n') Level
Legendre Coefficients

54-Xe-137



112

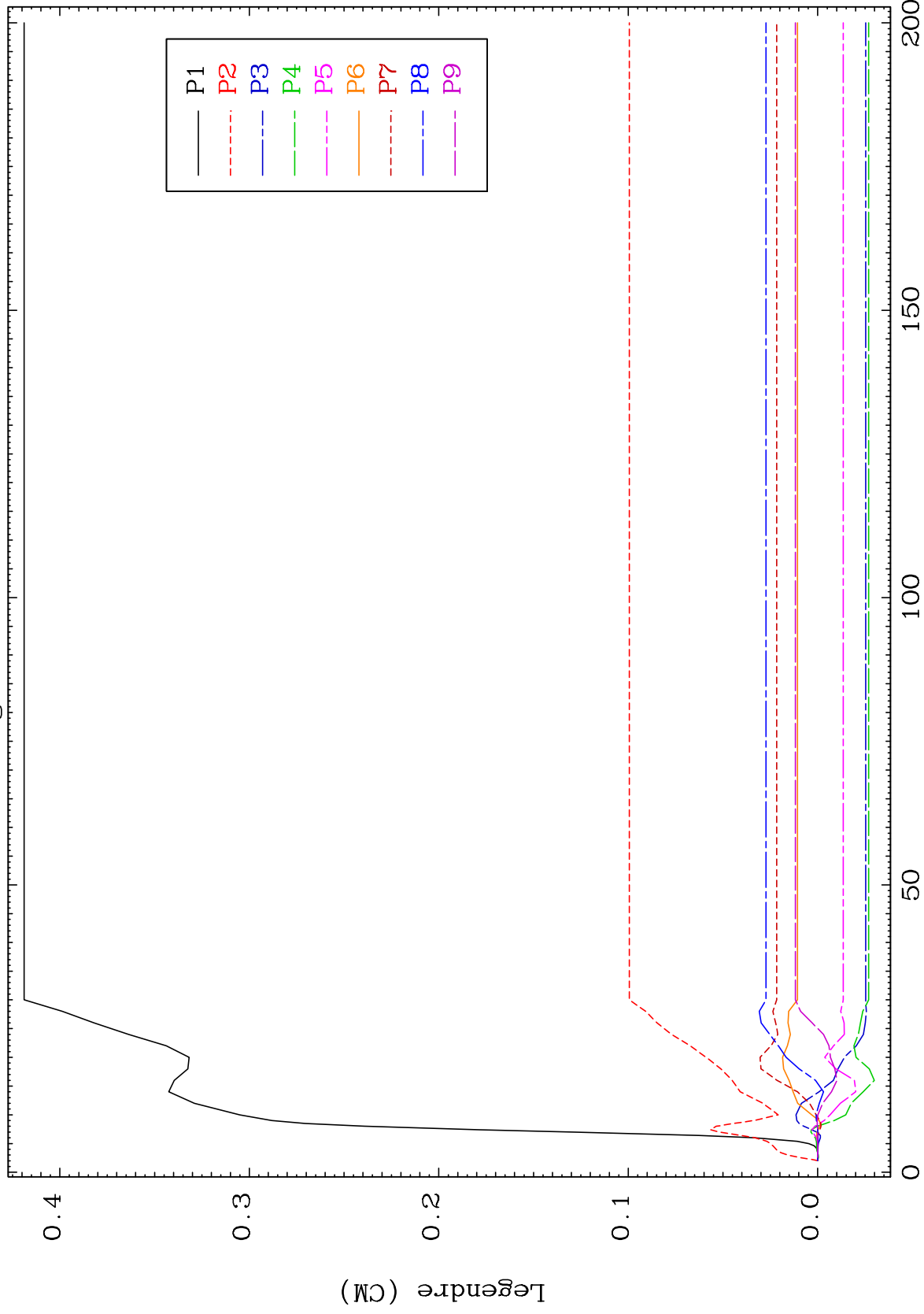
Incident Energy (MeV)

54-Xe-137

MAT 5464

1.997 MeV (n,n') Level
Legendre Coefficients

54-Xe-137



113

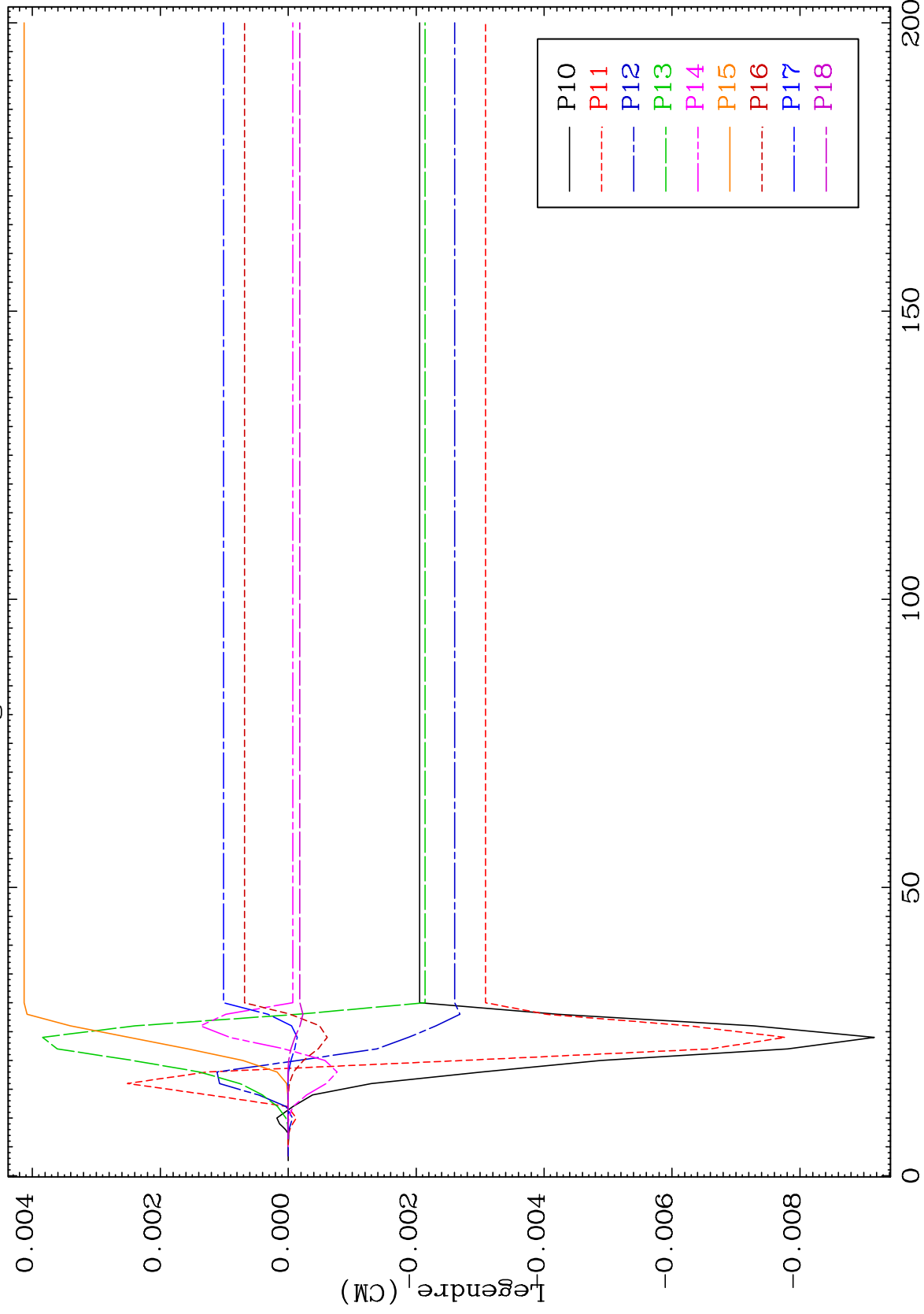
Incident Energy (MeV)

54-Xe-137

MAT 5464

1.997 MeV (n,n') Level
Legendre Coefficients

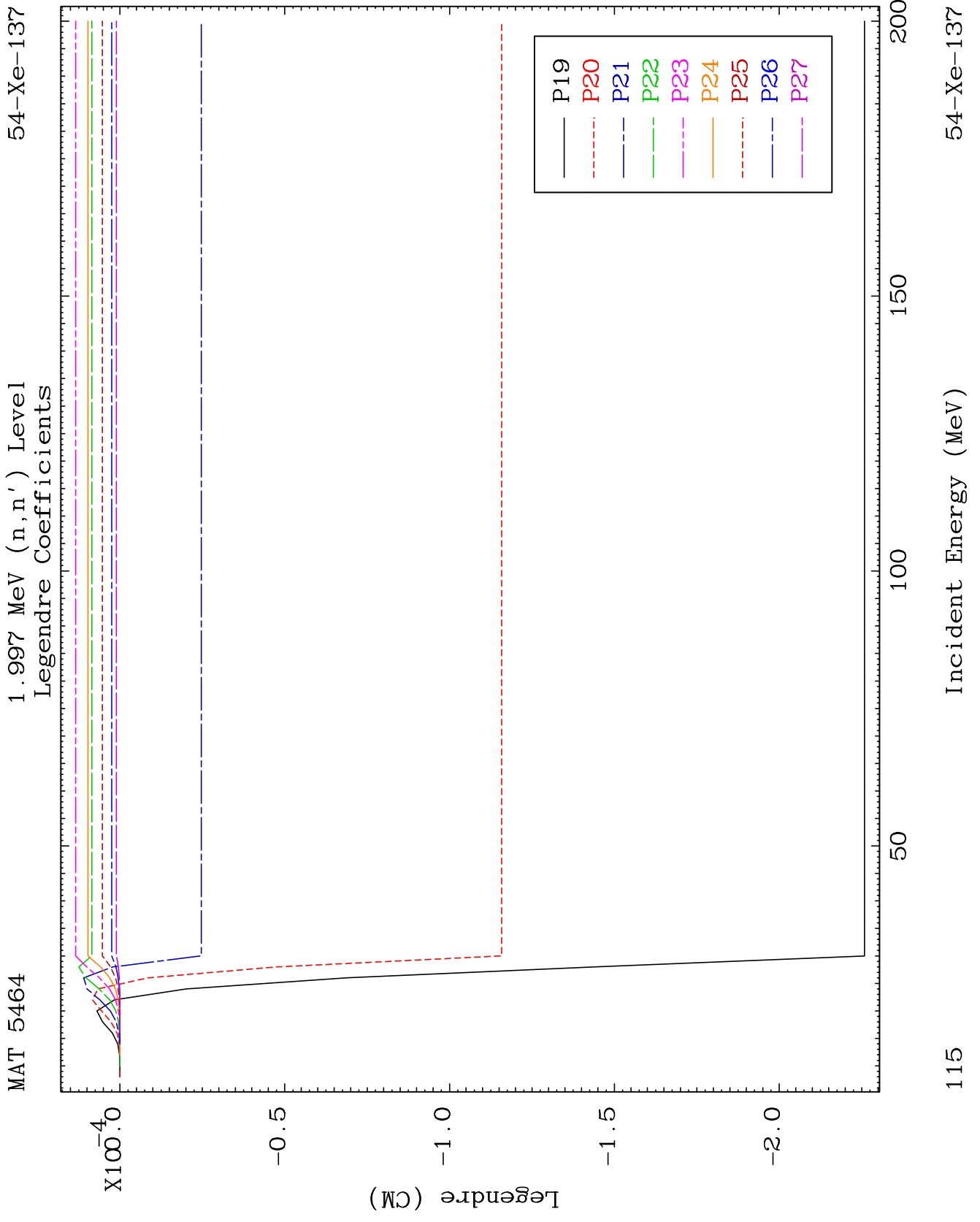
54-Xe-137



114

Incident Energy (MeV)

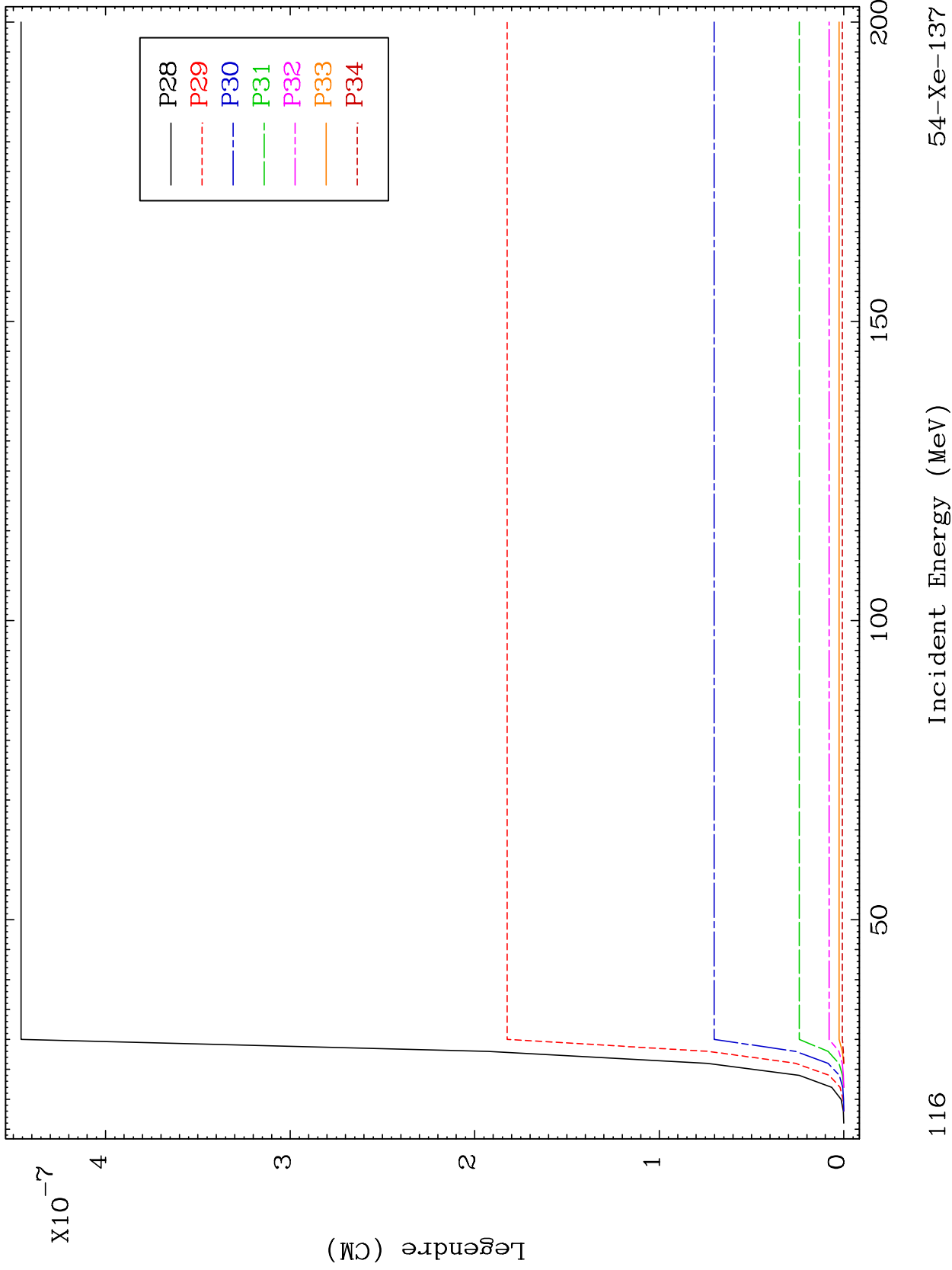
54-Xe-137



MAT 5464

1.997 MeV (n,n') Level
Legendre Coefficients

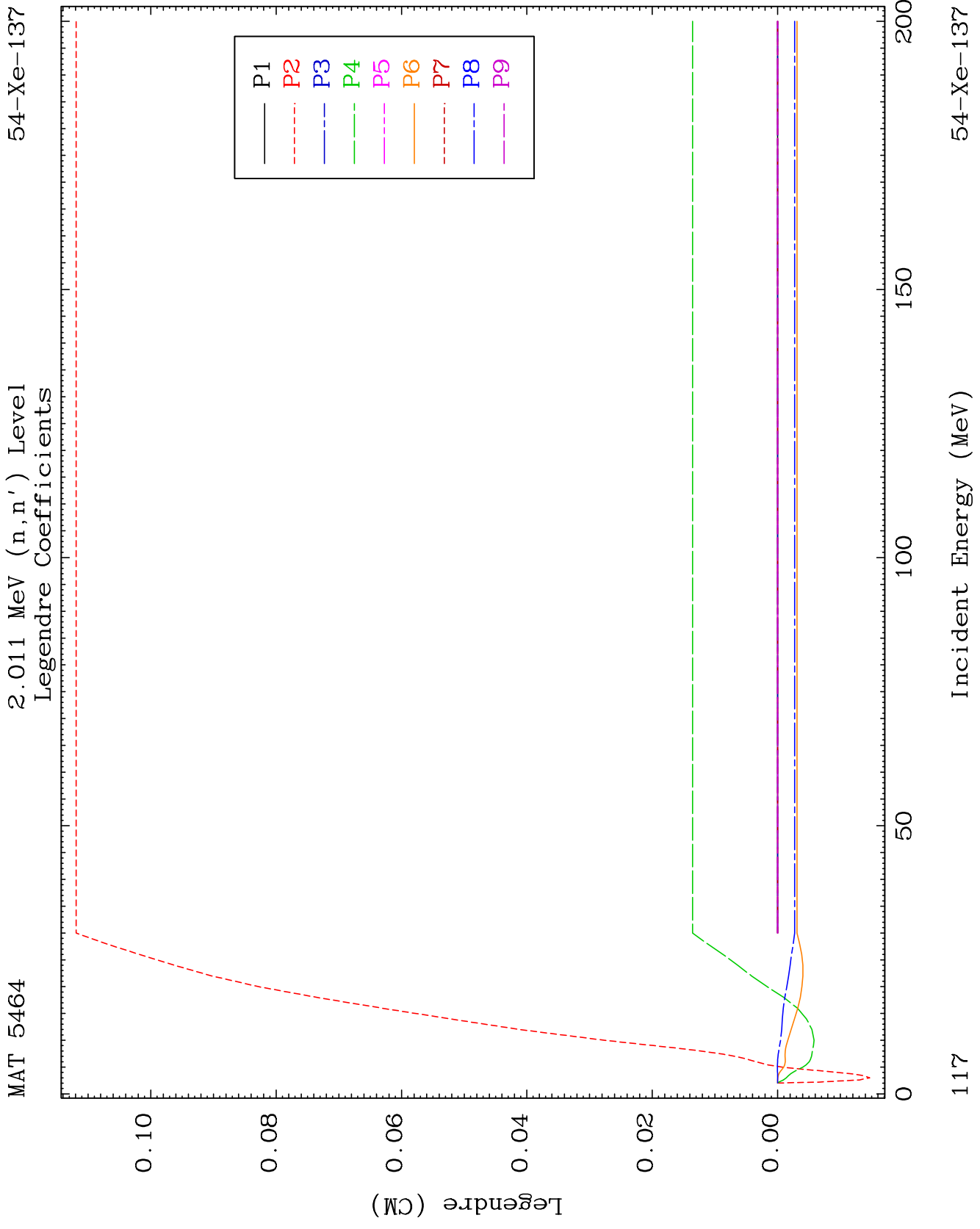
54-Xe-137

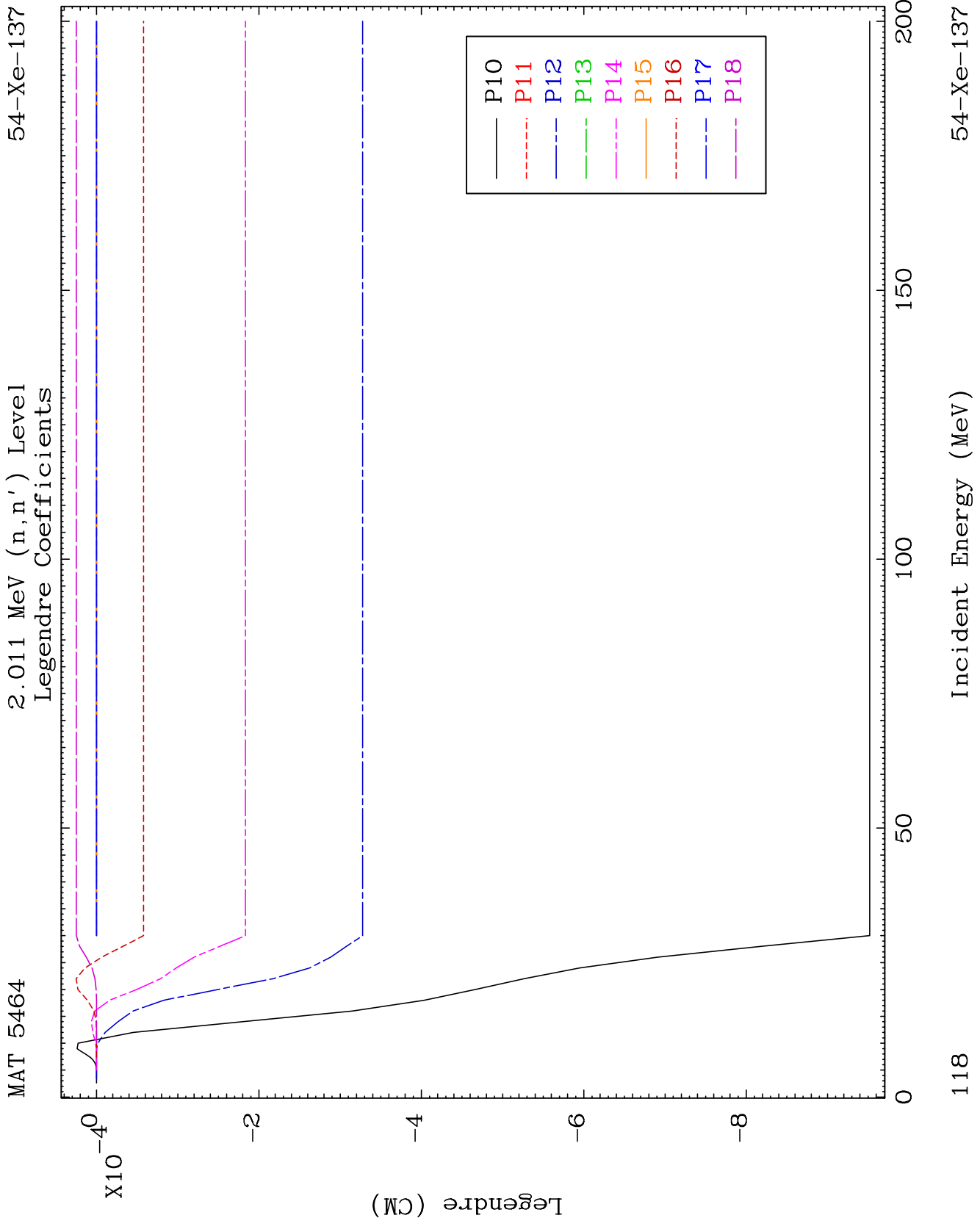


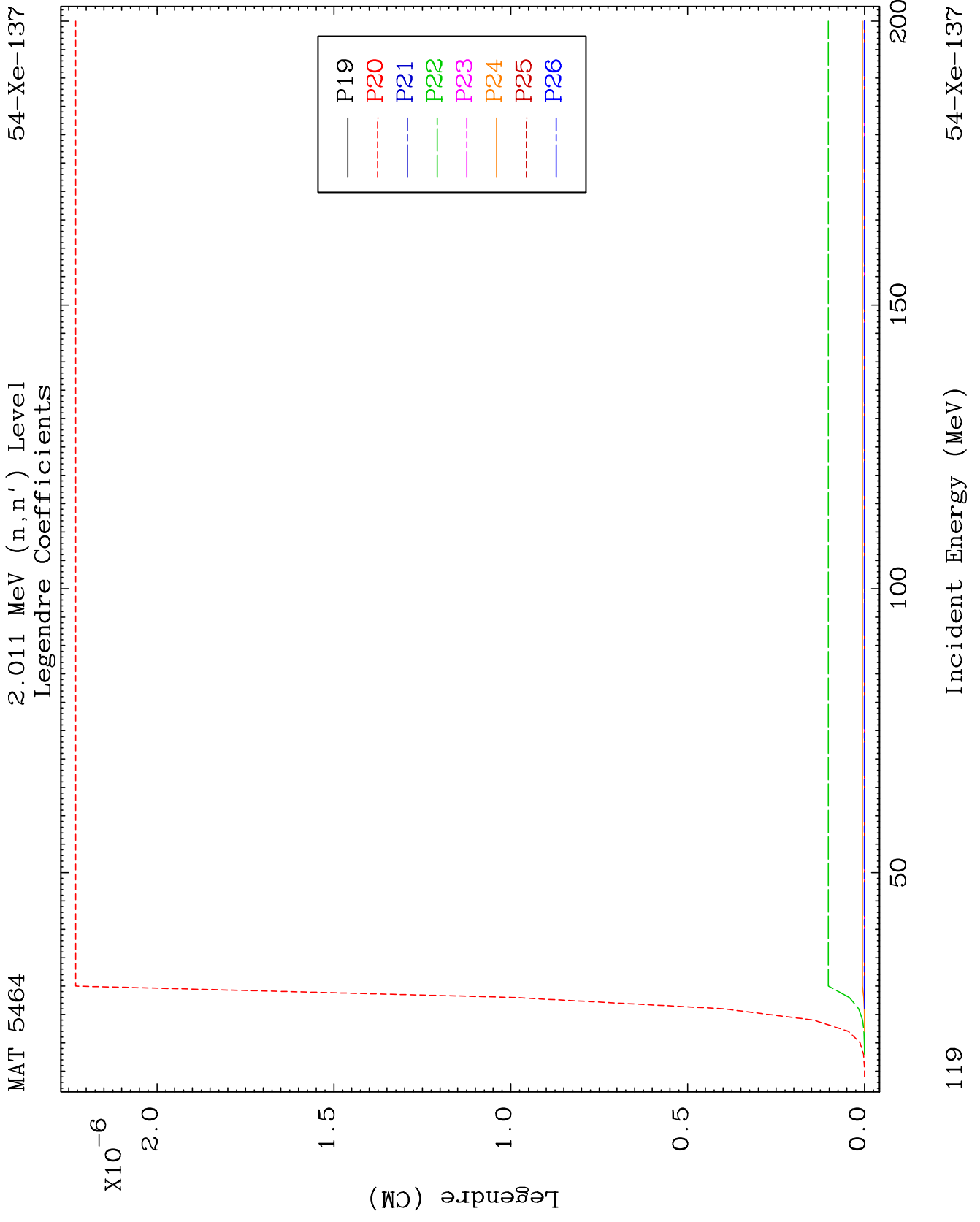
116

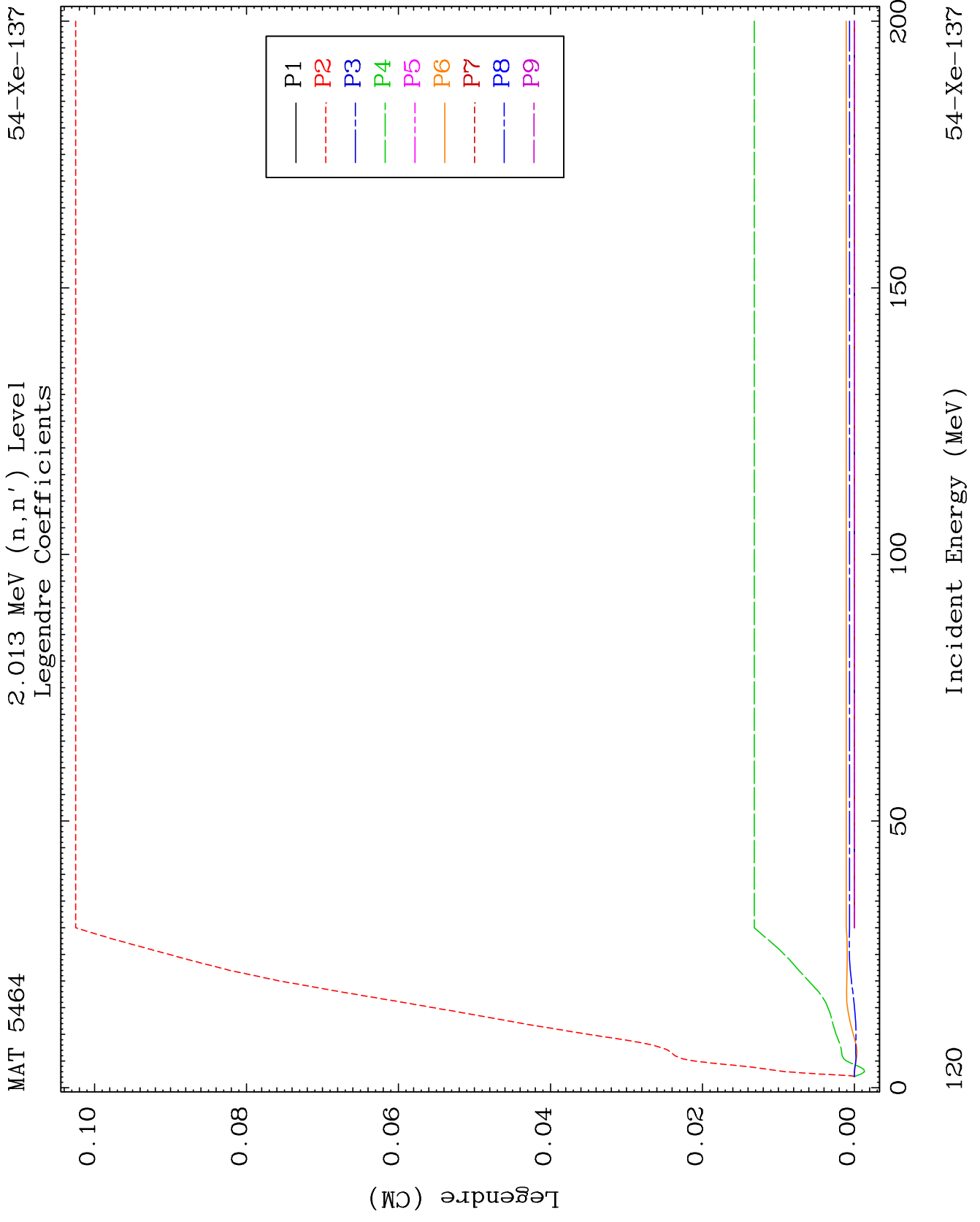
Incident Energy (MeV)

54-Xe-137





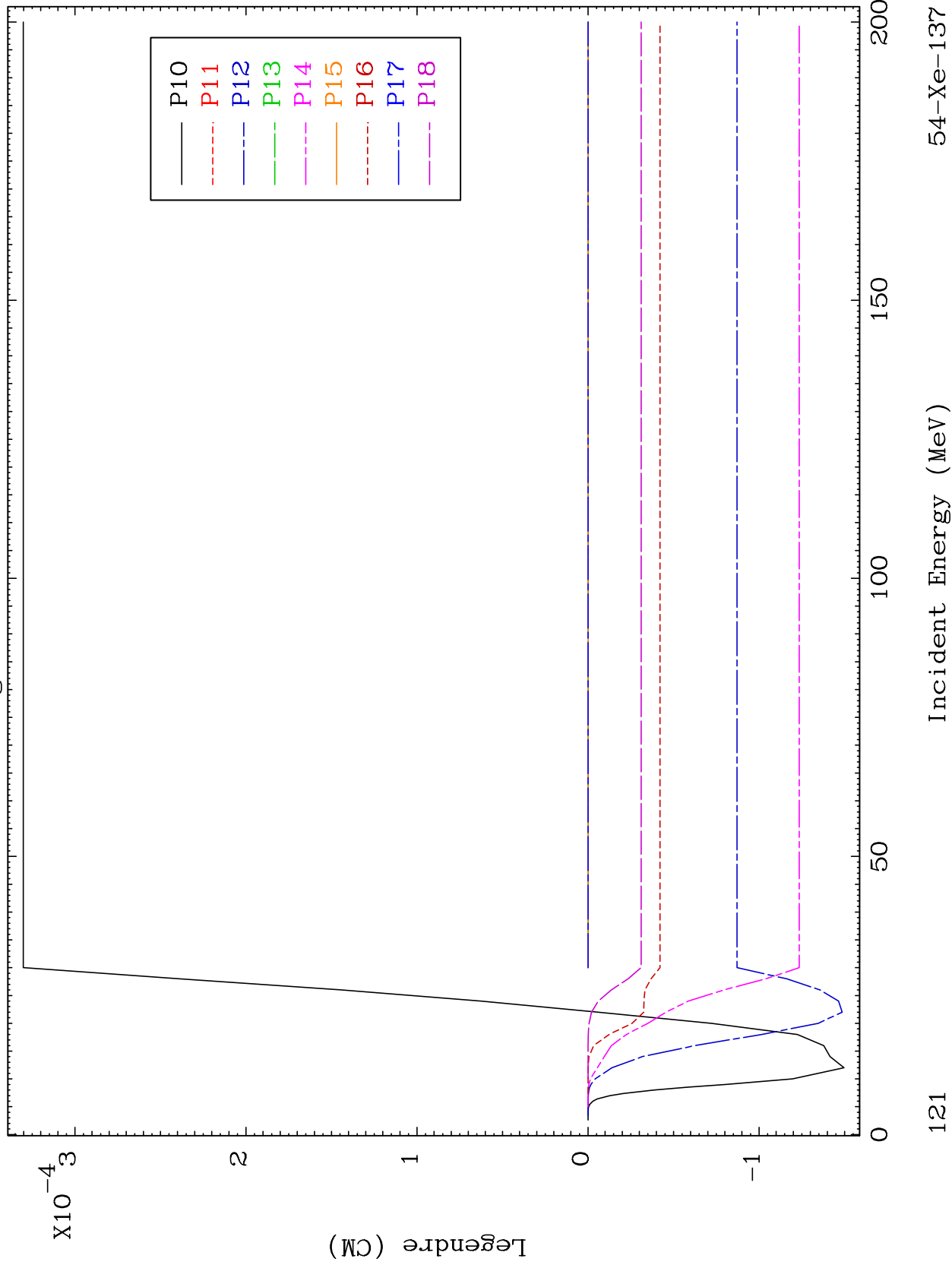




MAT 5464

2.013 MeV (n,n') Level
Legendre Coefficients

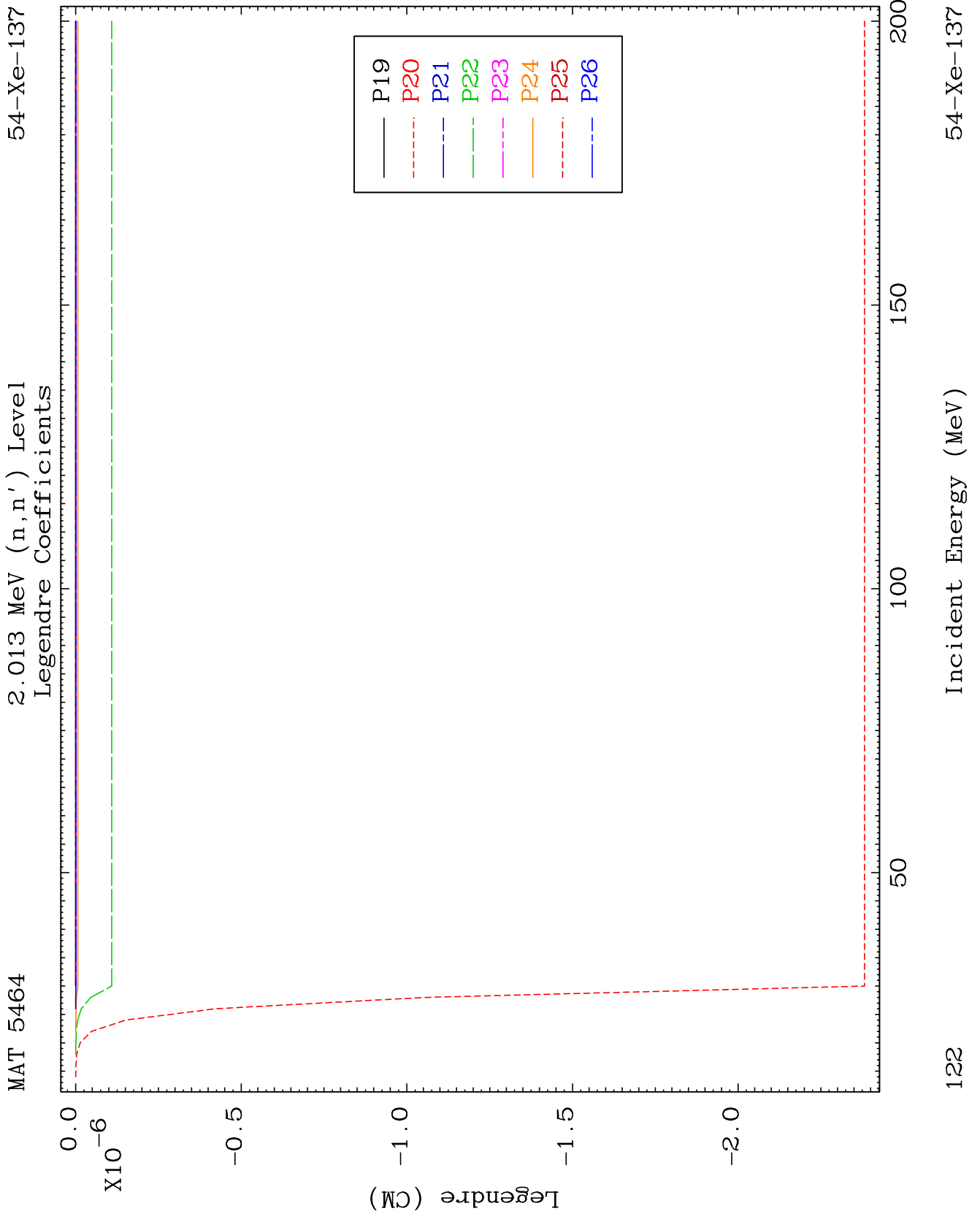
54-Xe-137

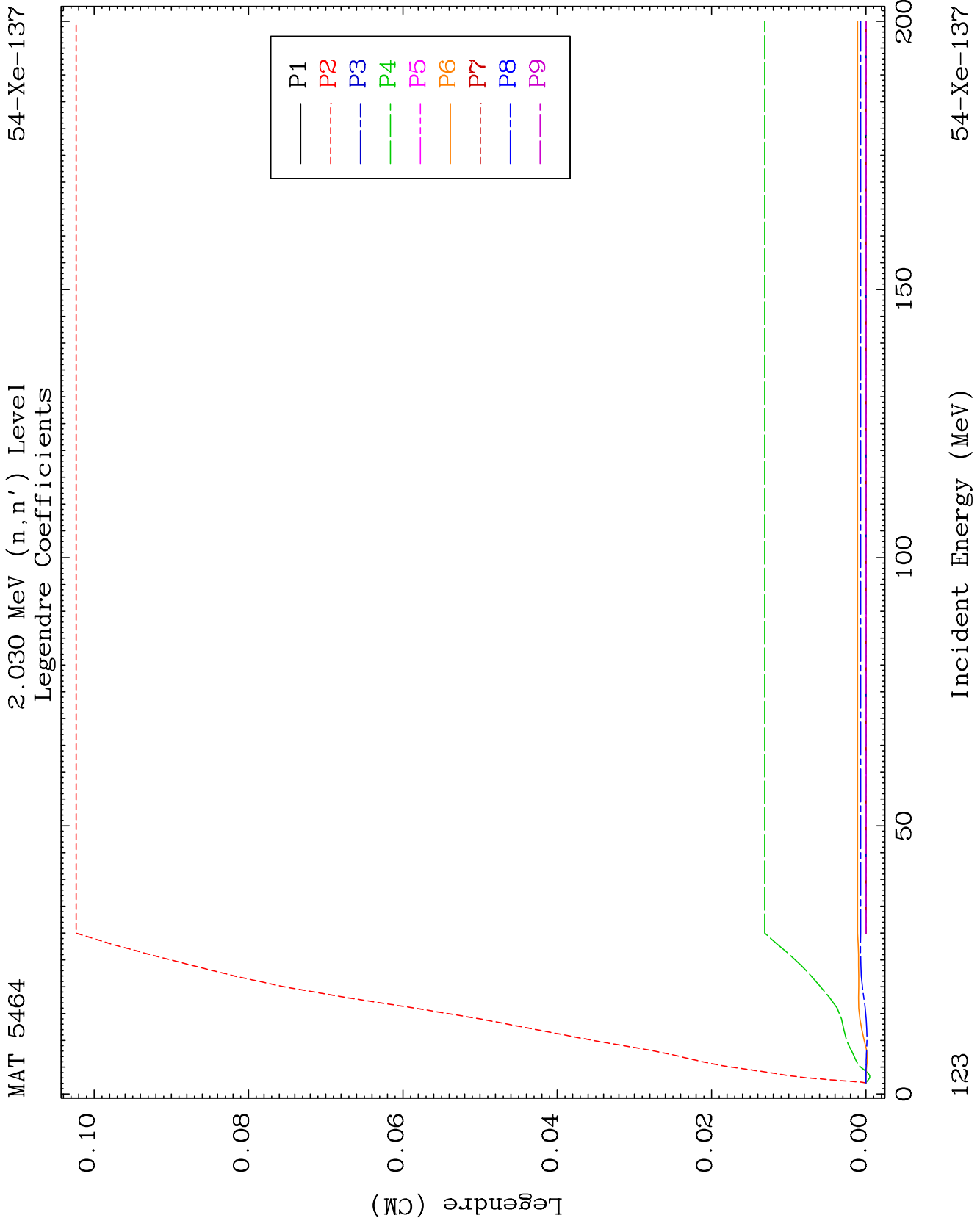


54-Xe-137

Incident Energy (MeV)

121

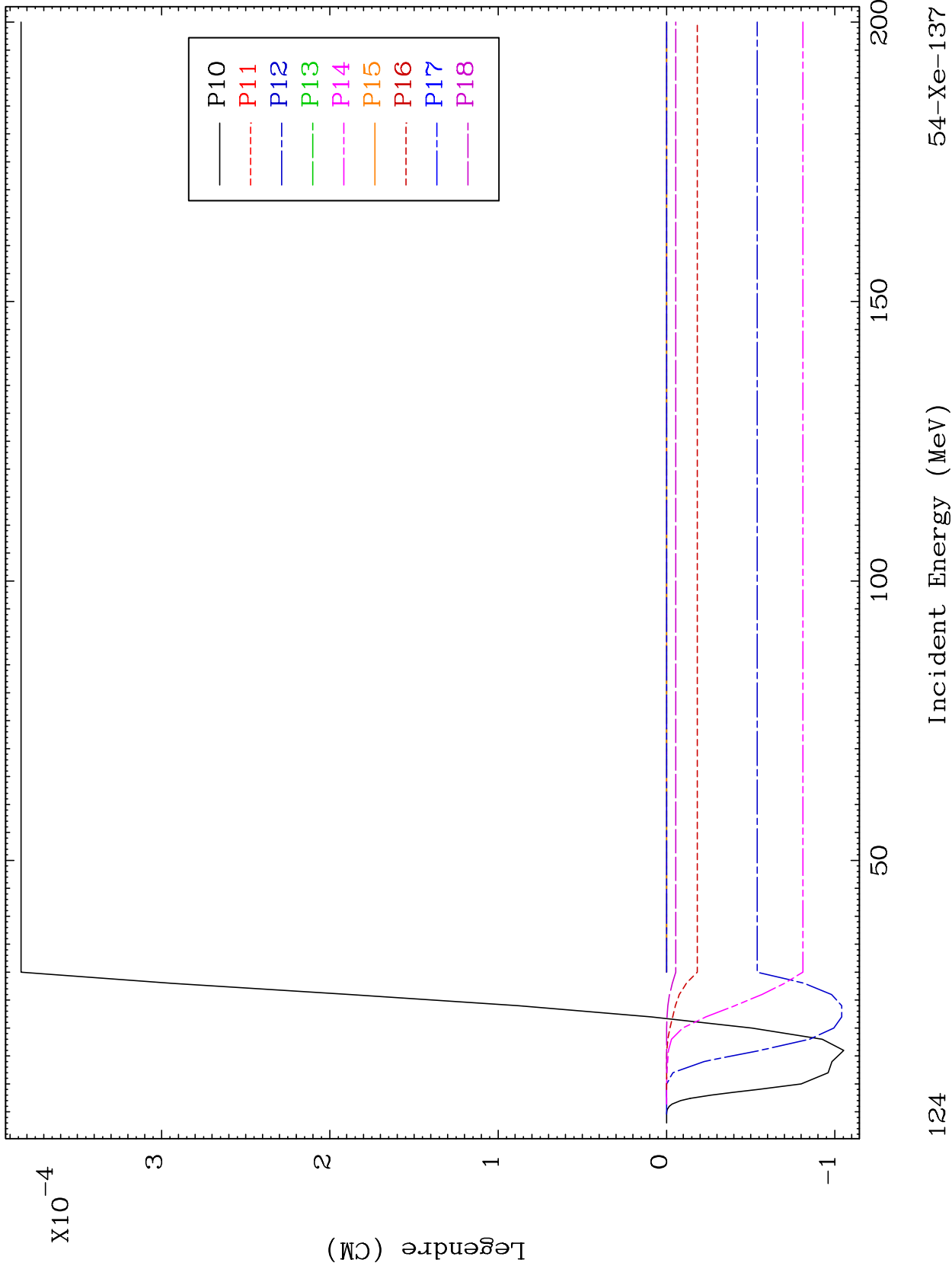




MAT 5464

2.030 MeV (n, n') Level
Legendre Coefficients

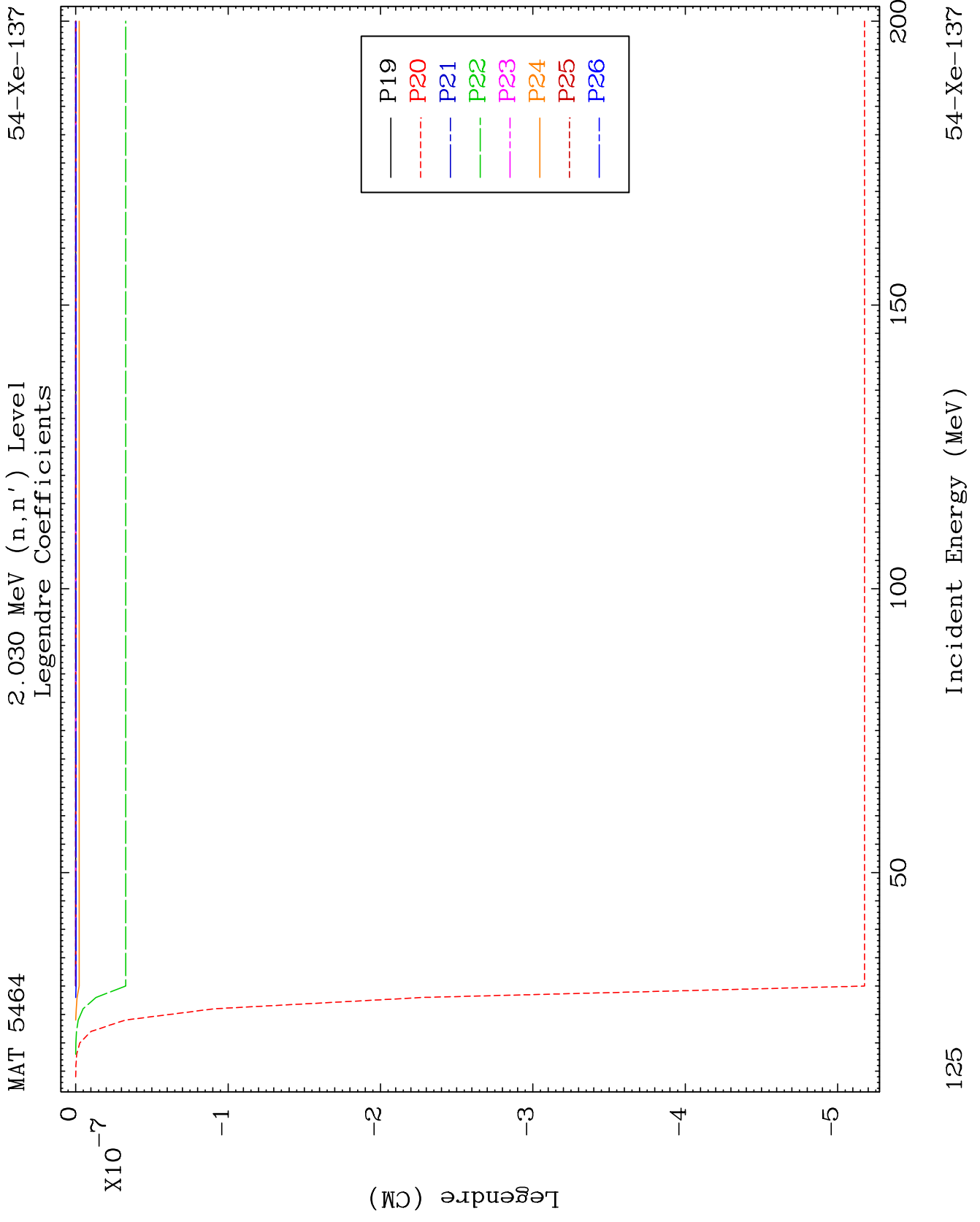
54-Xe-137



124

Incident Energy (MeV)

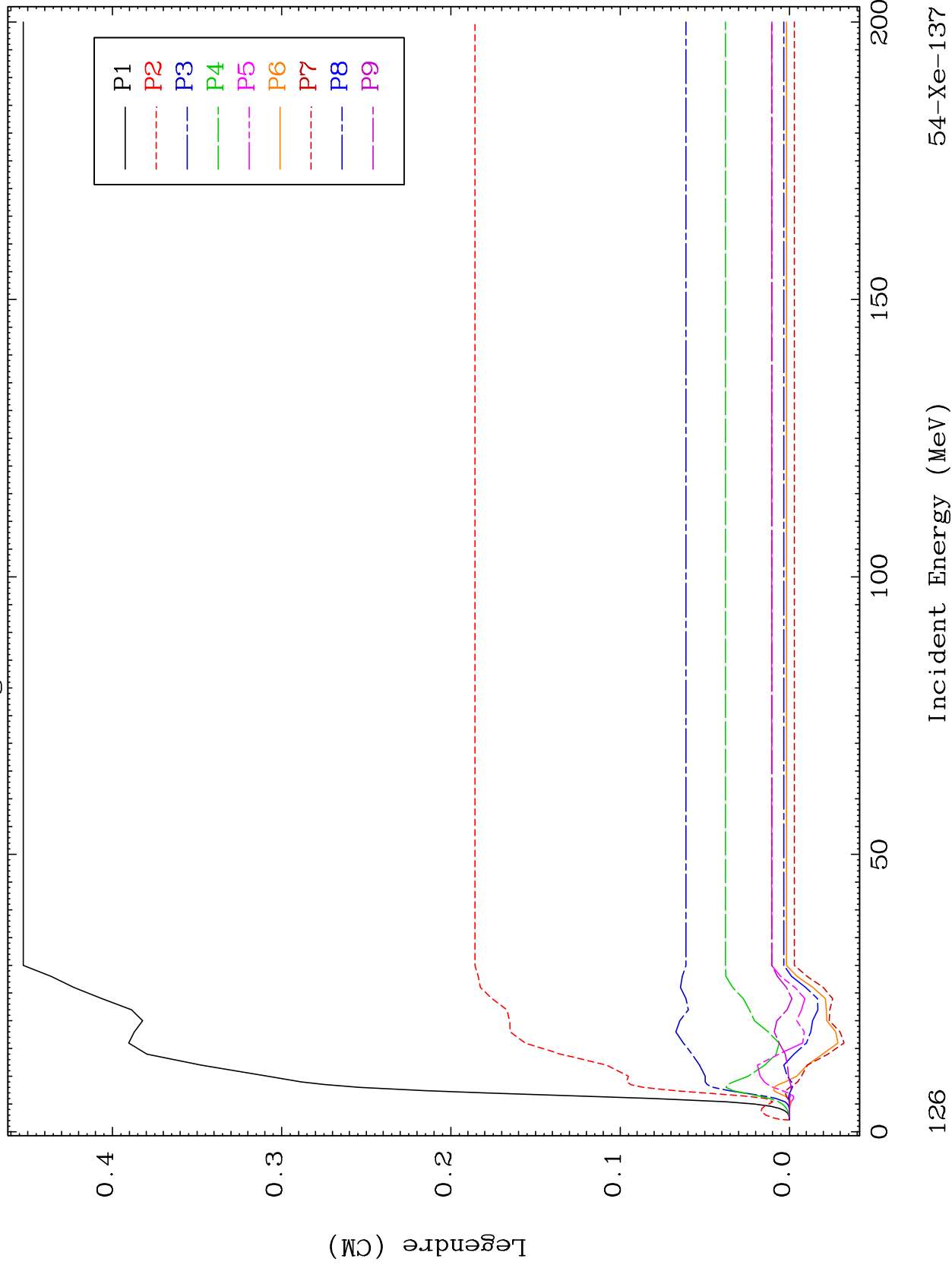
54-Xe-137



MAT 5464

2.088 MeV (n,n') Level
Legendre Coefficients

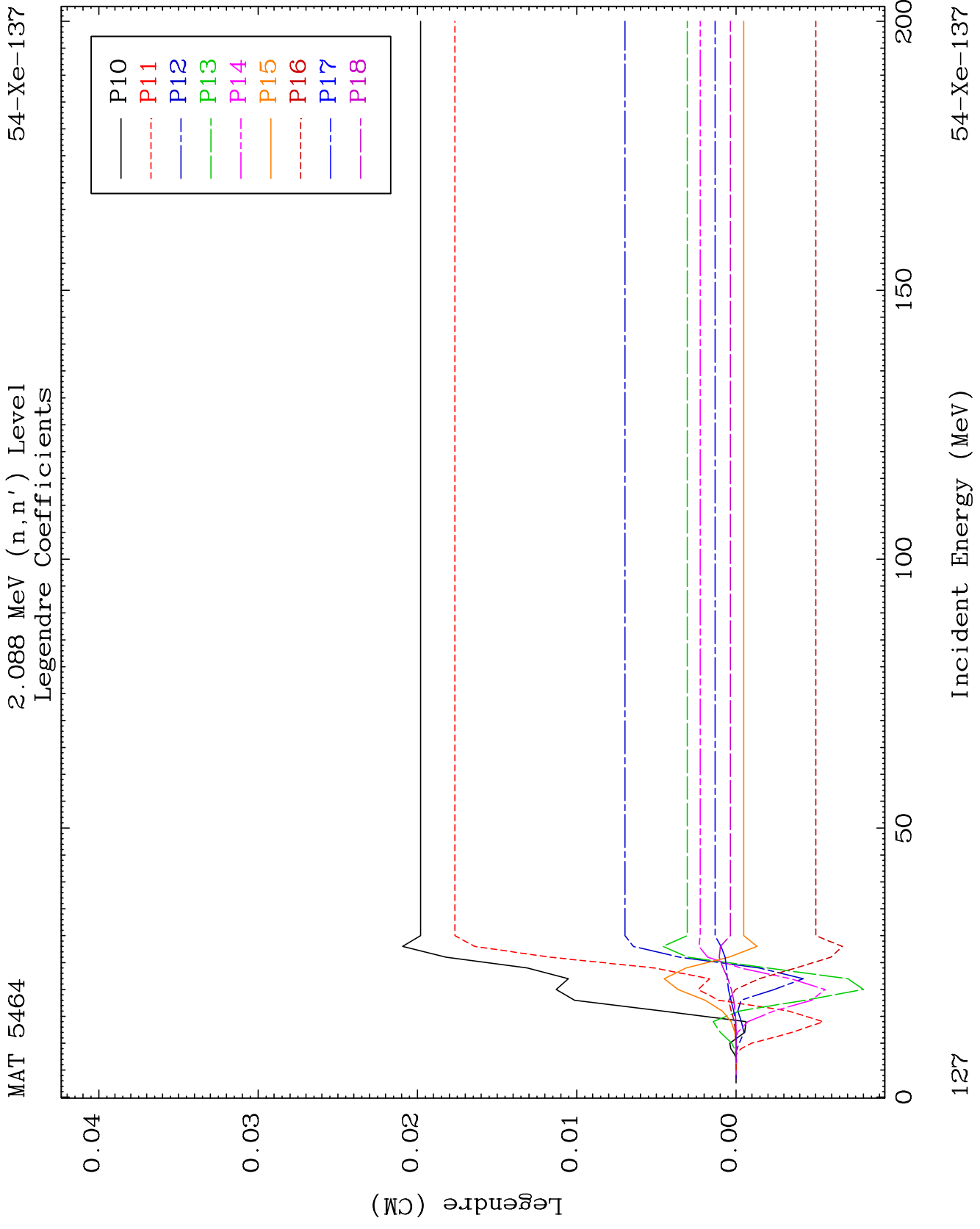
54-Xe-137



54-Xe-137

Incident Energy (MeV)

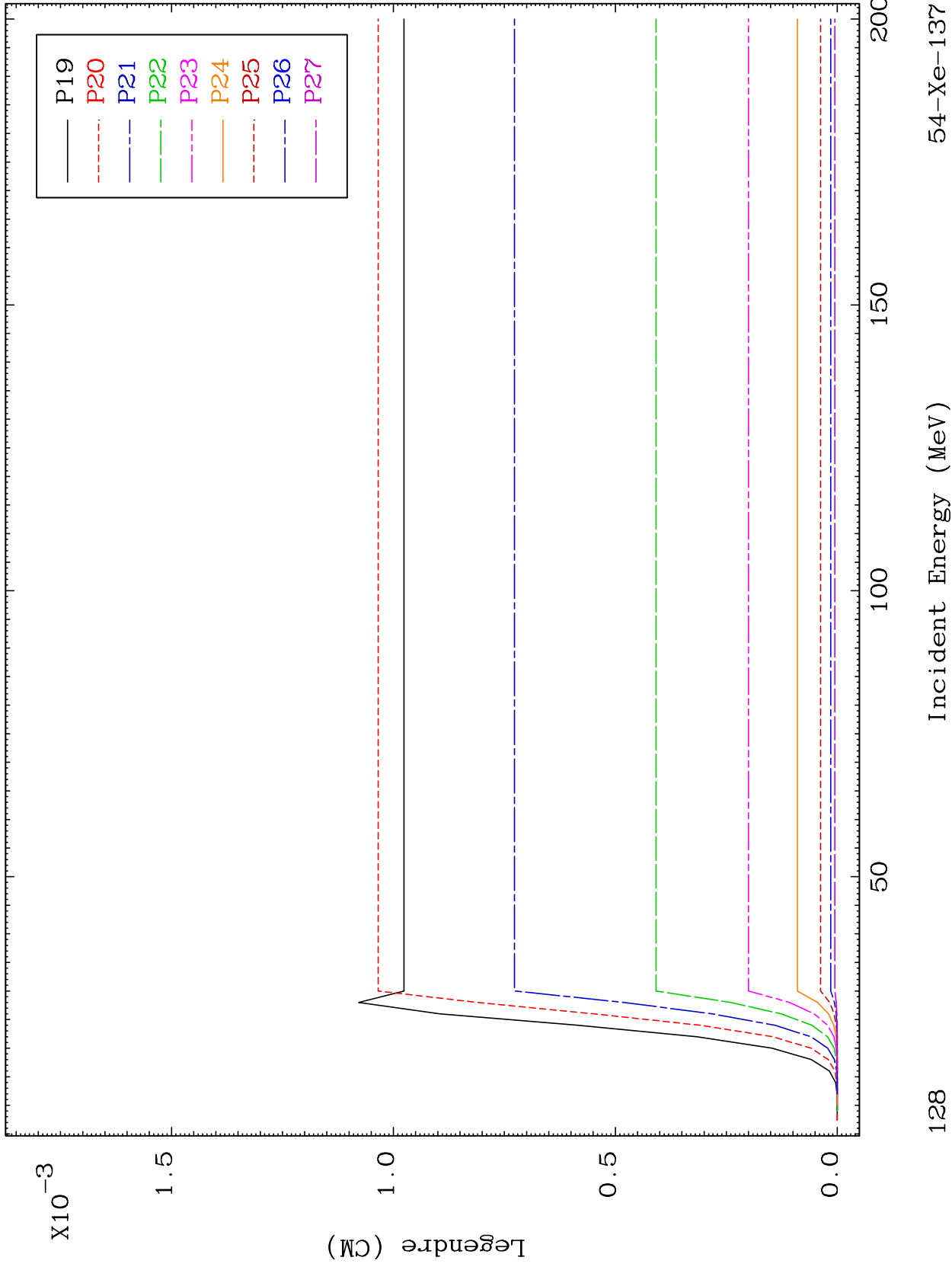
126



MAT 5464

2.088 MeV (n,n') Level
Legendre Coefficients

54-Xe-137



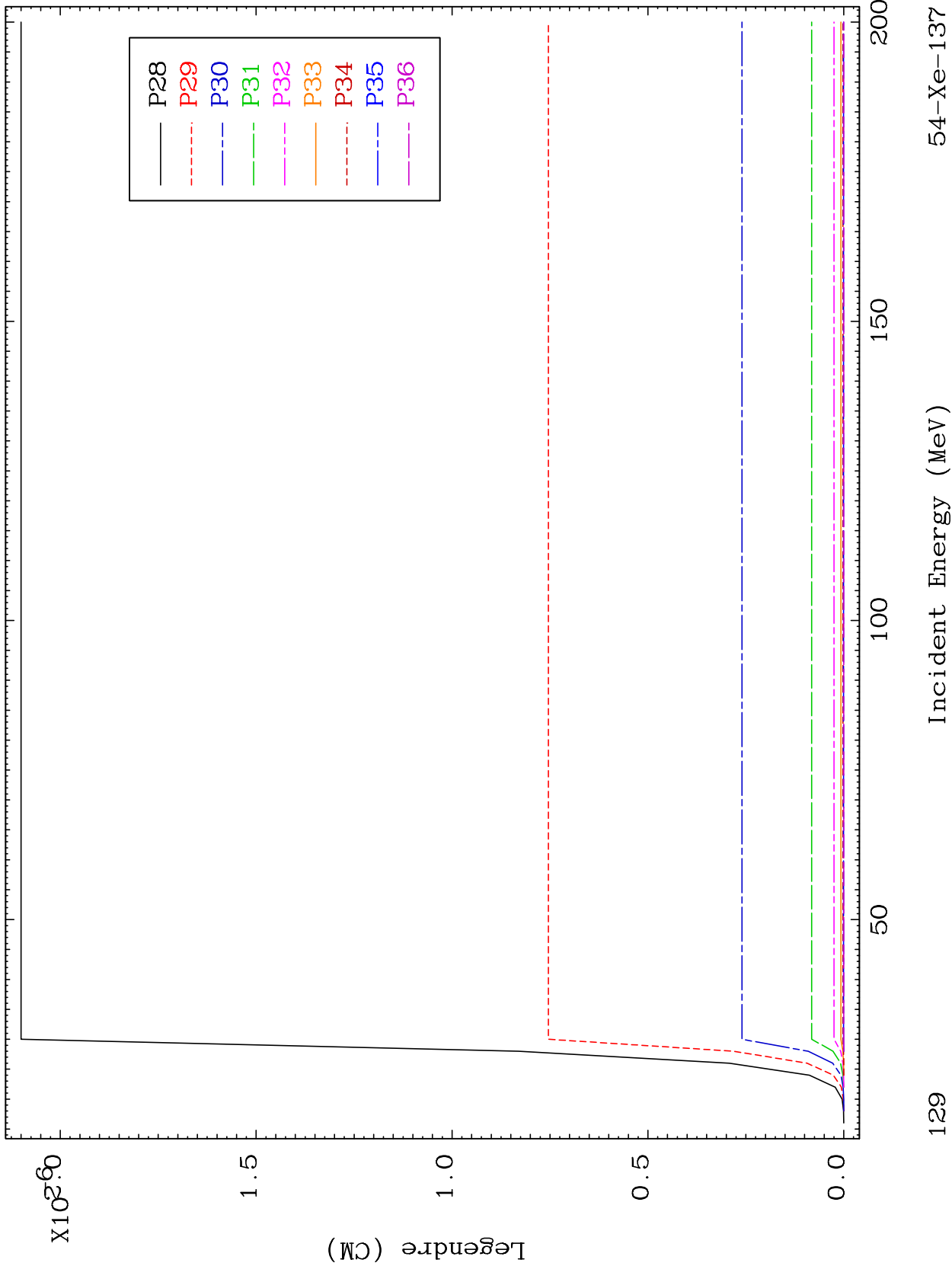
128

54-Xe-137

MAT 5464

2.088 MeV (n,n') Level
Legendre Coefficients

54-Xe-137

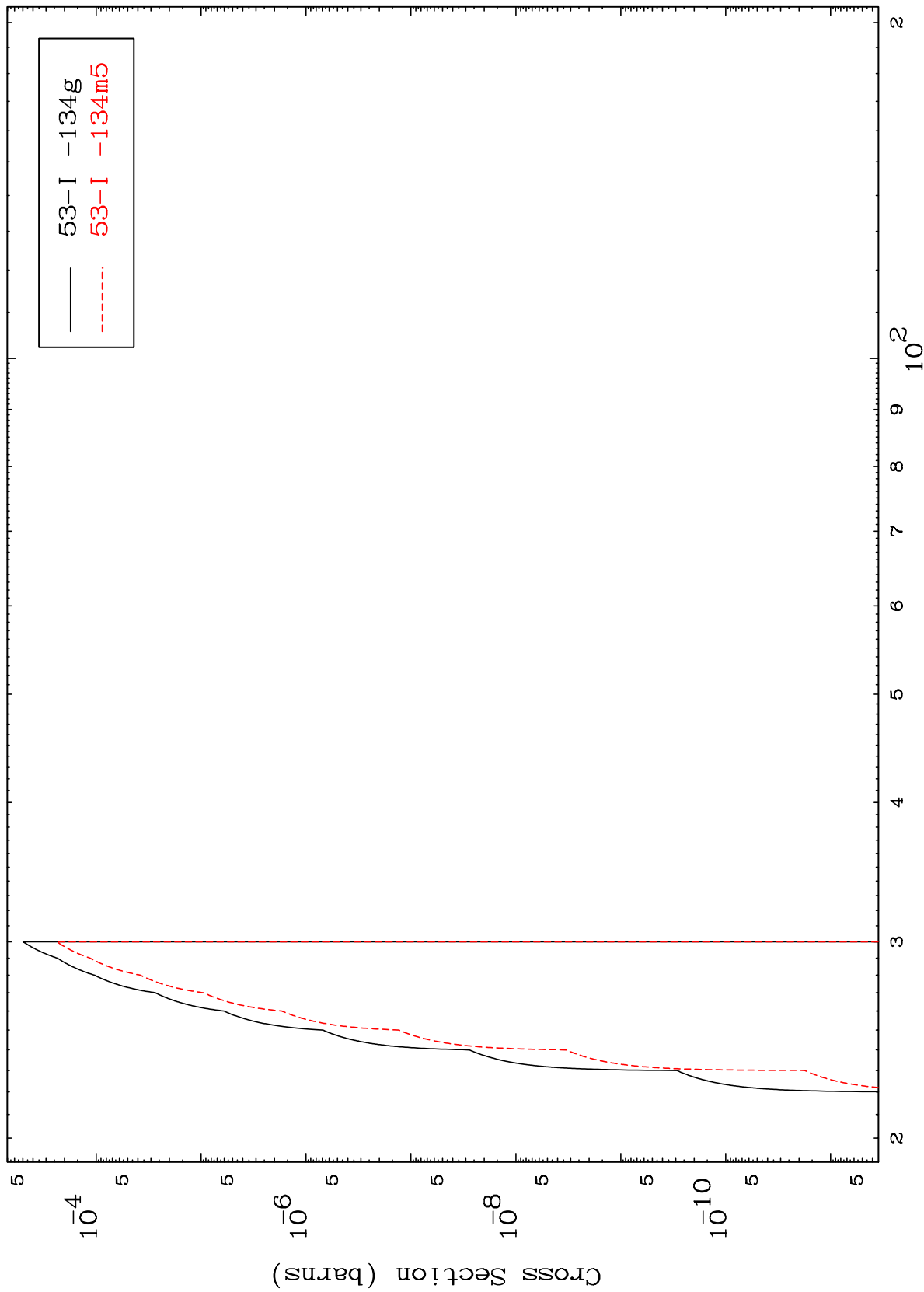


MAT 5464

(n,2n) d

54-Xe-137

Radionuclide Production Cross Section



130

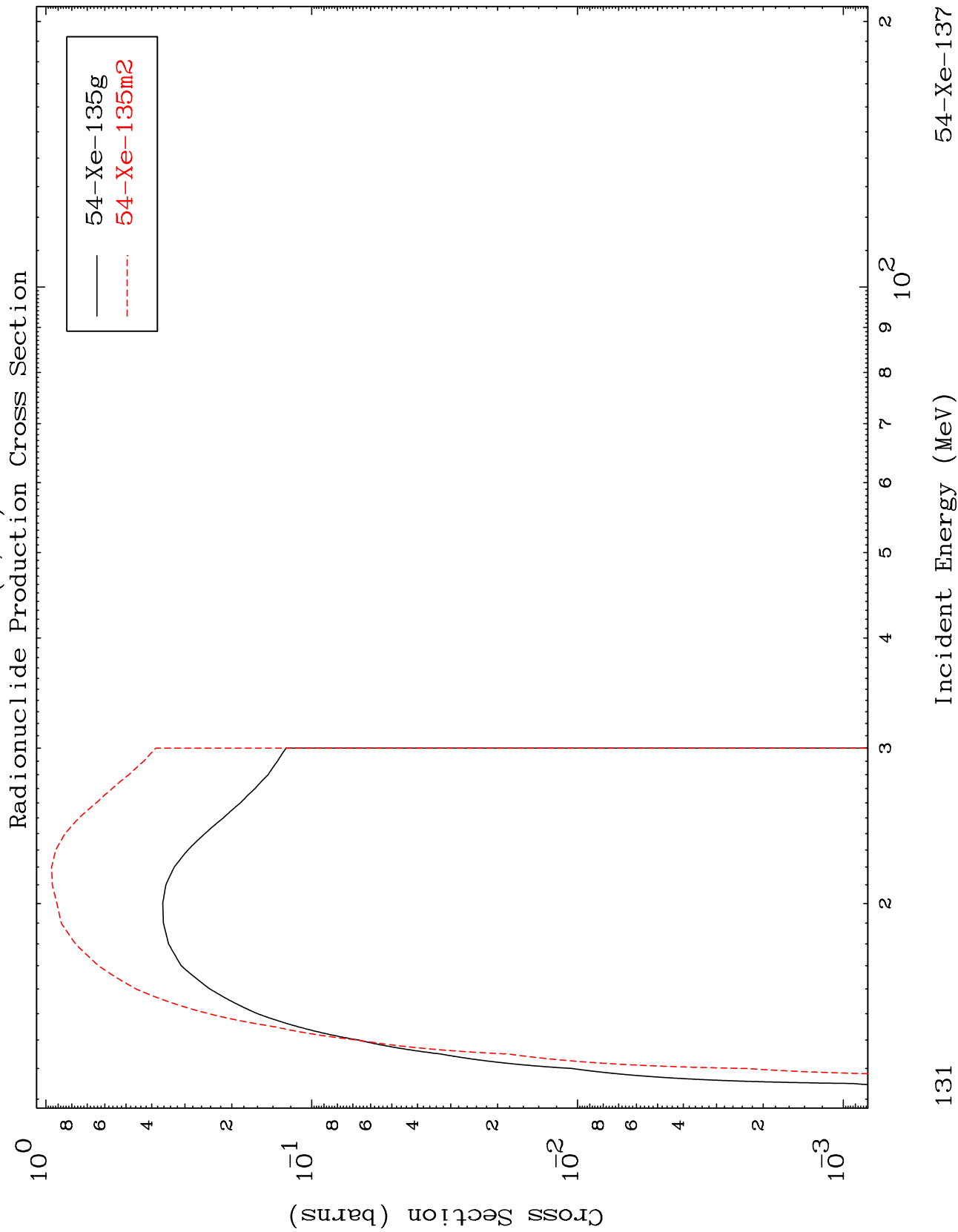
Incident Energy (MeV)

54-Xe-137

MAT 5464

54-Xe-137

(n,3n)



54-Xe-137

Incident Energy (MeV)

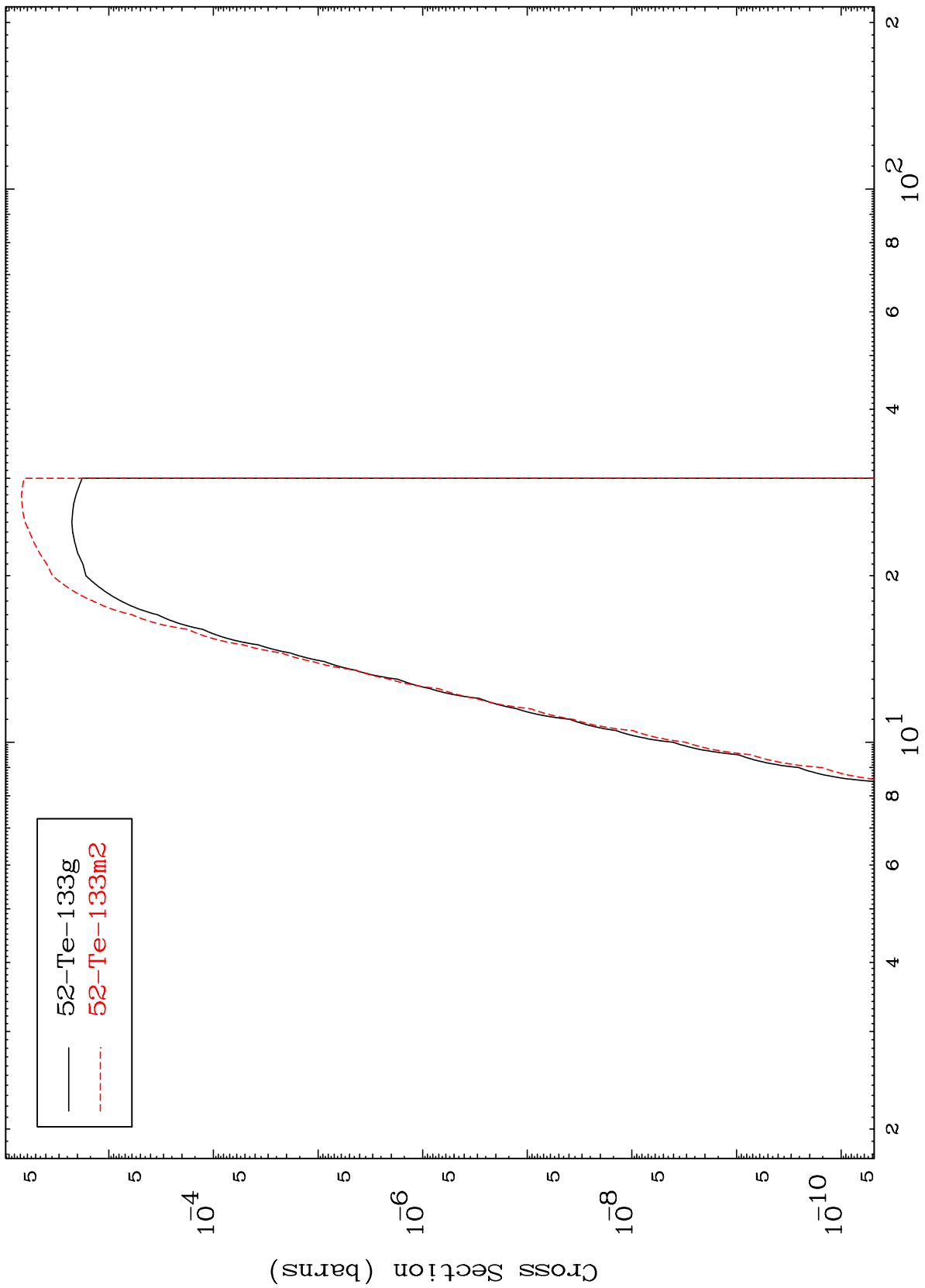
131

MAT 5464

54-Xe-137

(n,n') α

Radionuclide Production Cross Section



132

Incident Energy (MeV)

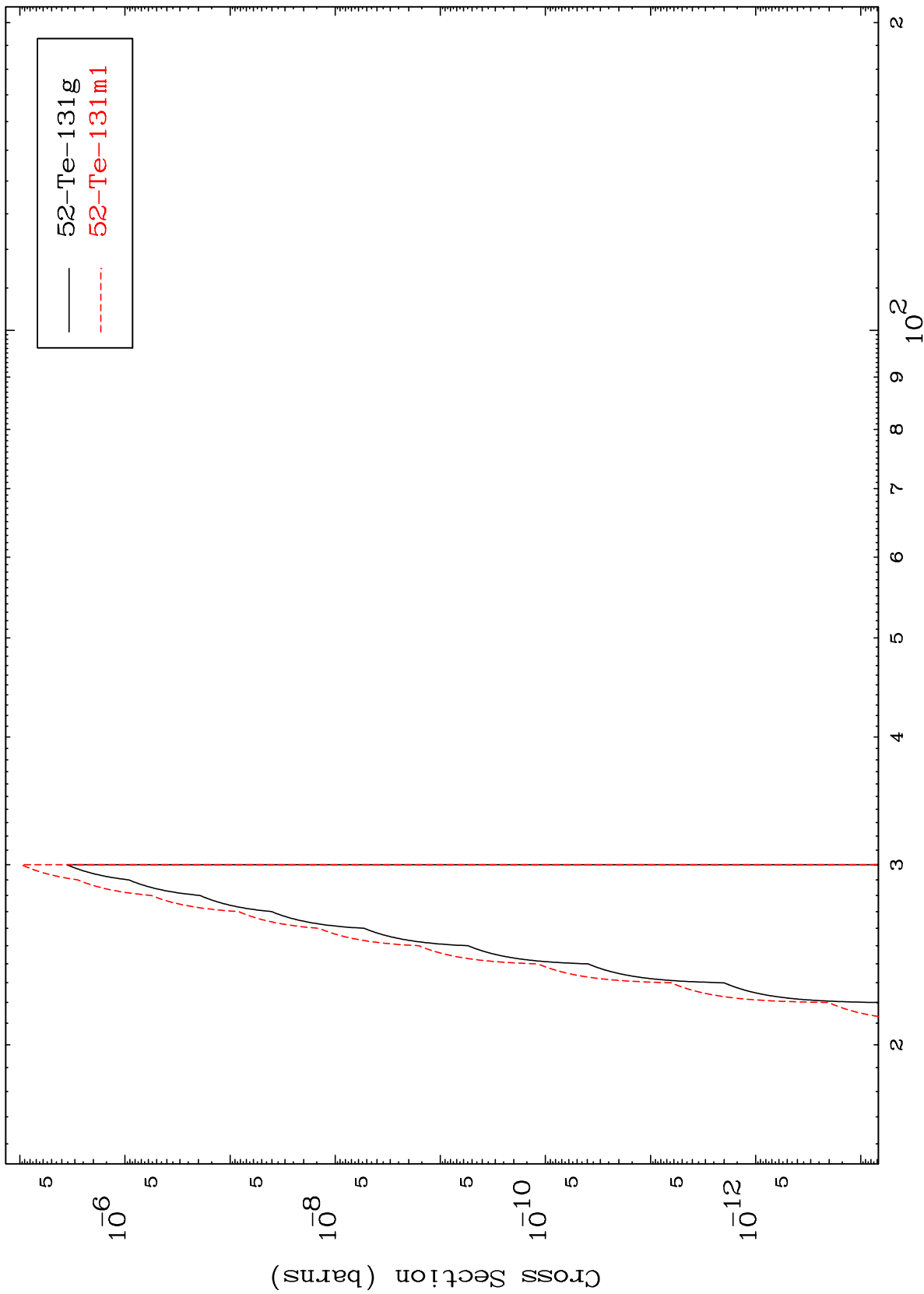
54-Xe-137

MAT 5464

(n,3n) α

54-Xe-137

Radionuclide Production Cross Section



133

Incident Energy (MeV)

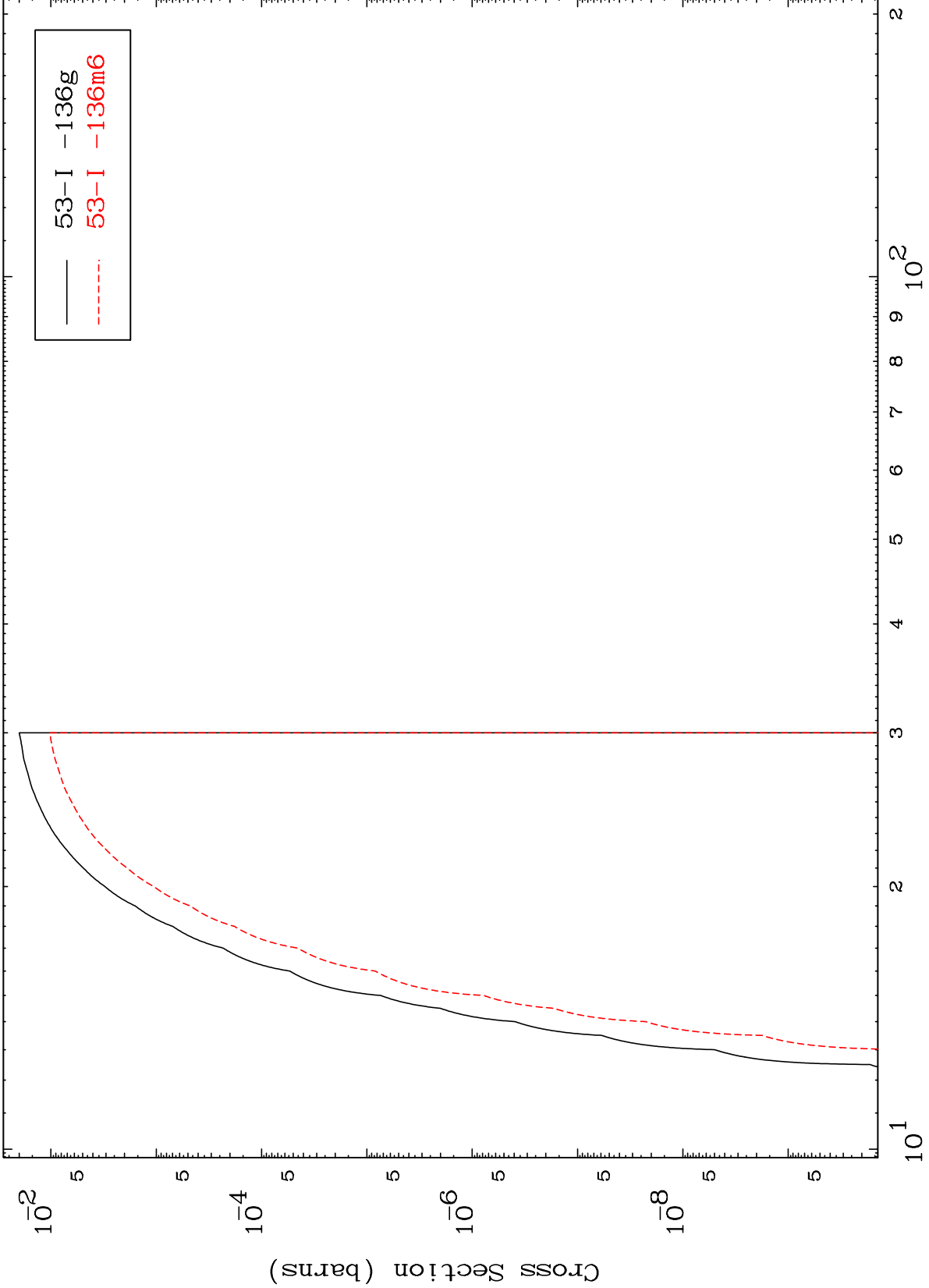
54-Xe-137

MAT 5464

(n,n') p

54-Xe-137

Radionuclide Production Cross Section



Incident Energy (MeV)

54-Xe-137

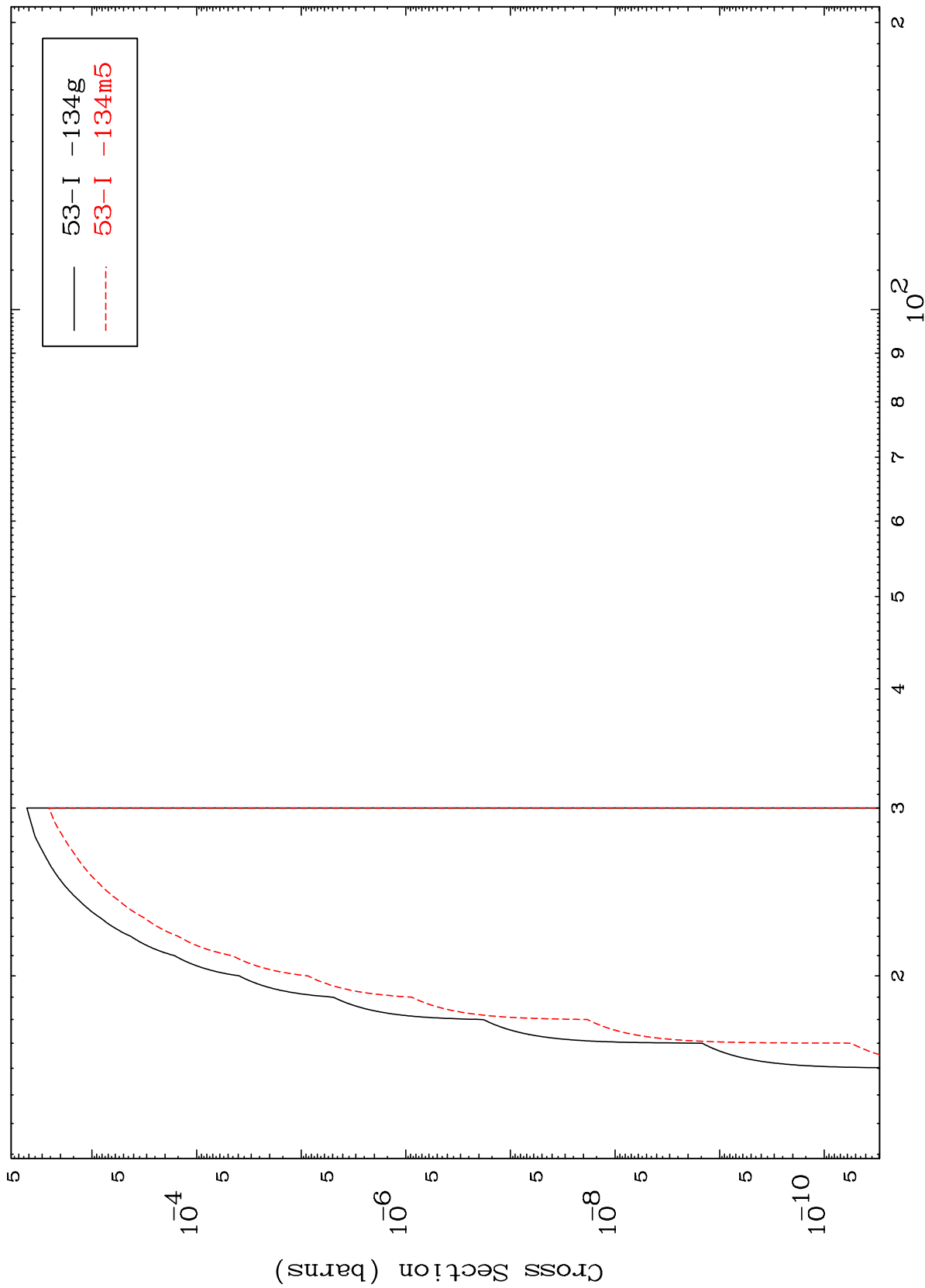
134

MAT 5464

(n,n') t

54-Xe-137

Radionuclide Production Cross Section



135

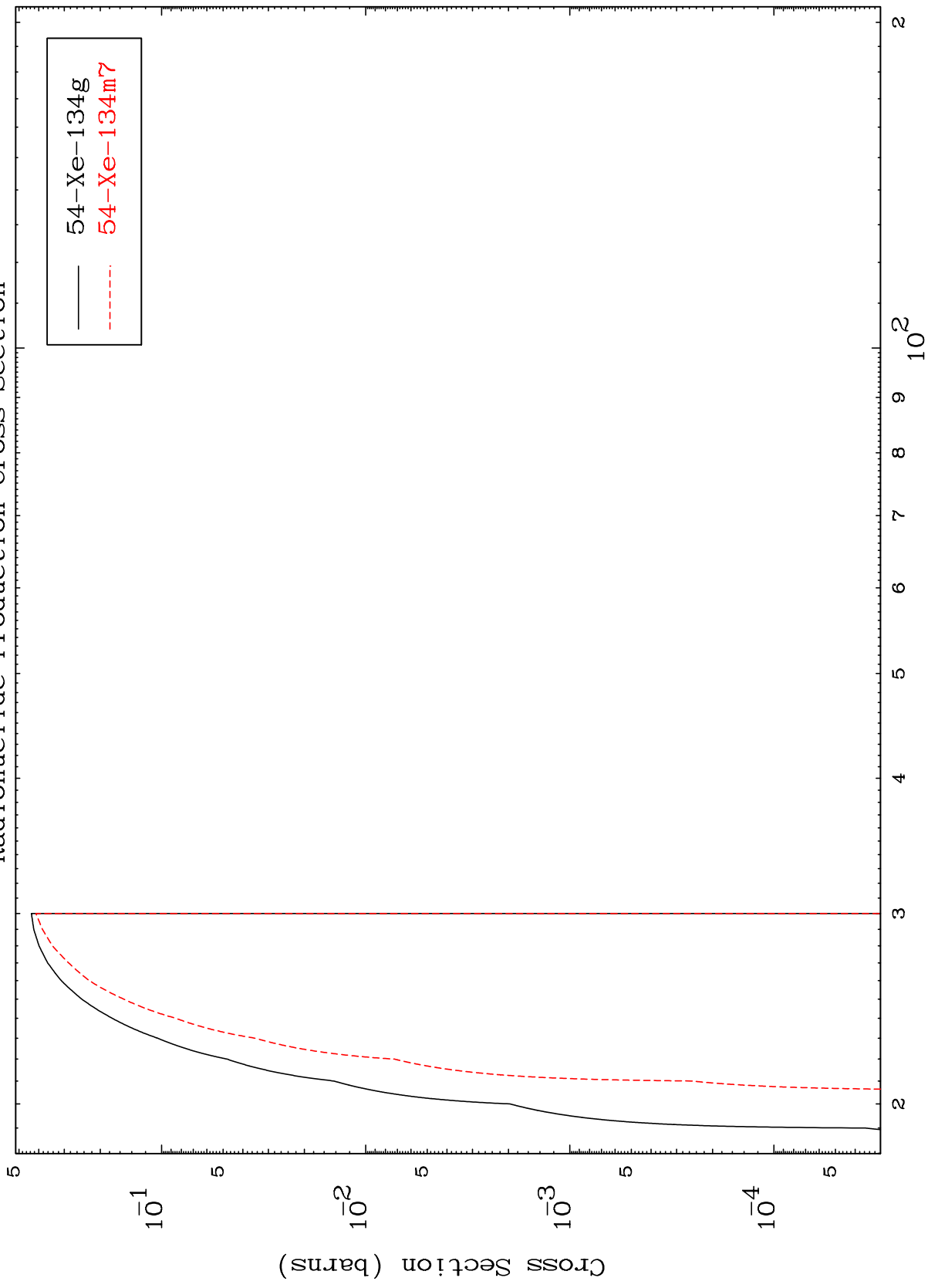
Incident Energy (MeV)

54-Xe-137

MAT 5464

54-Xe-137

(n,4n)
Radionuclide Production Cross Section



136

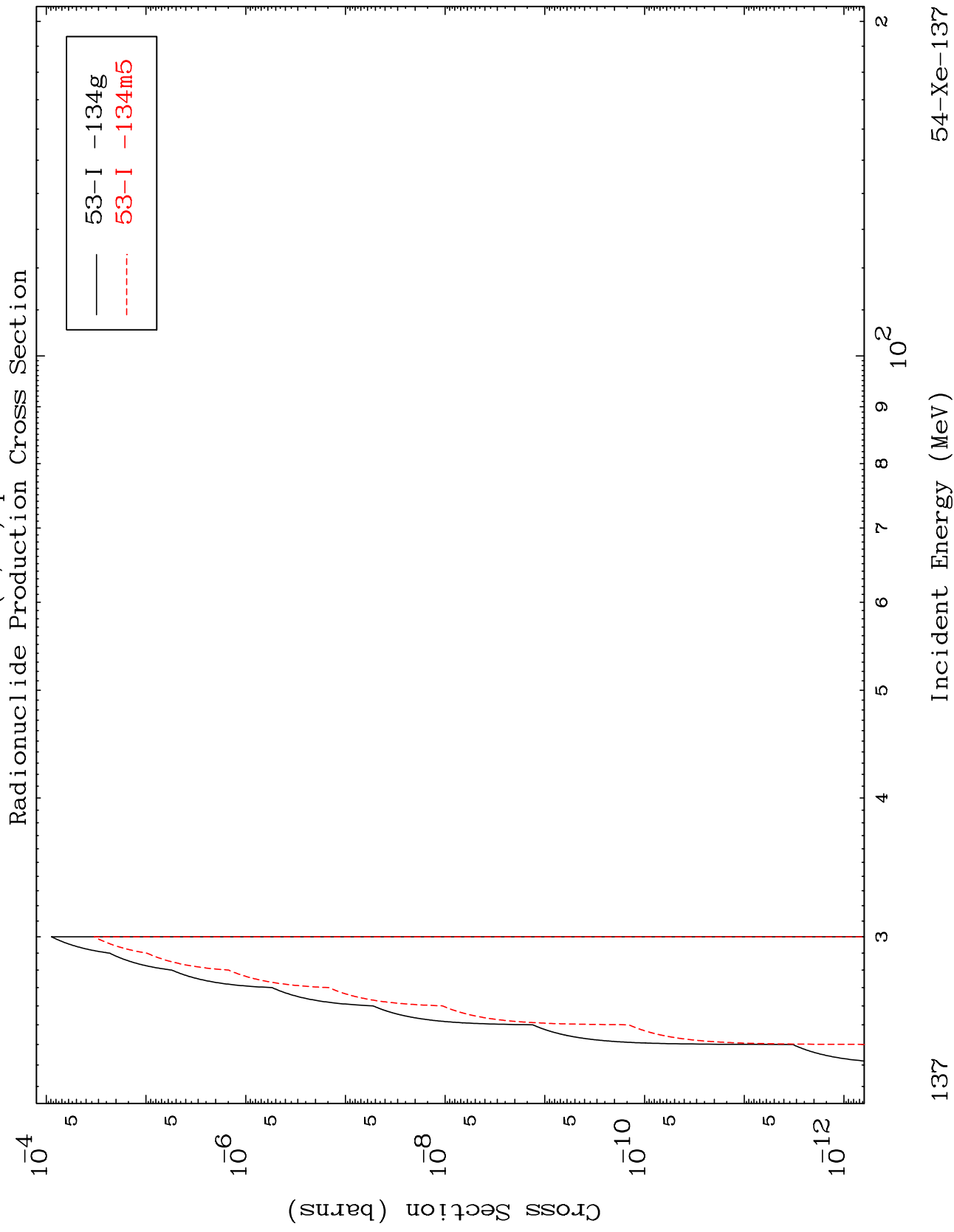
Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,3n) p

54-Xe-137



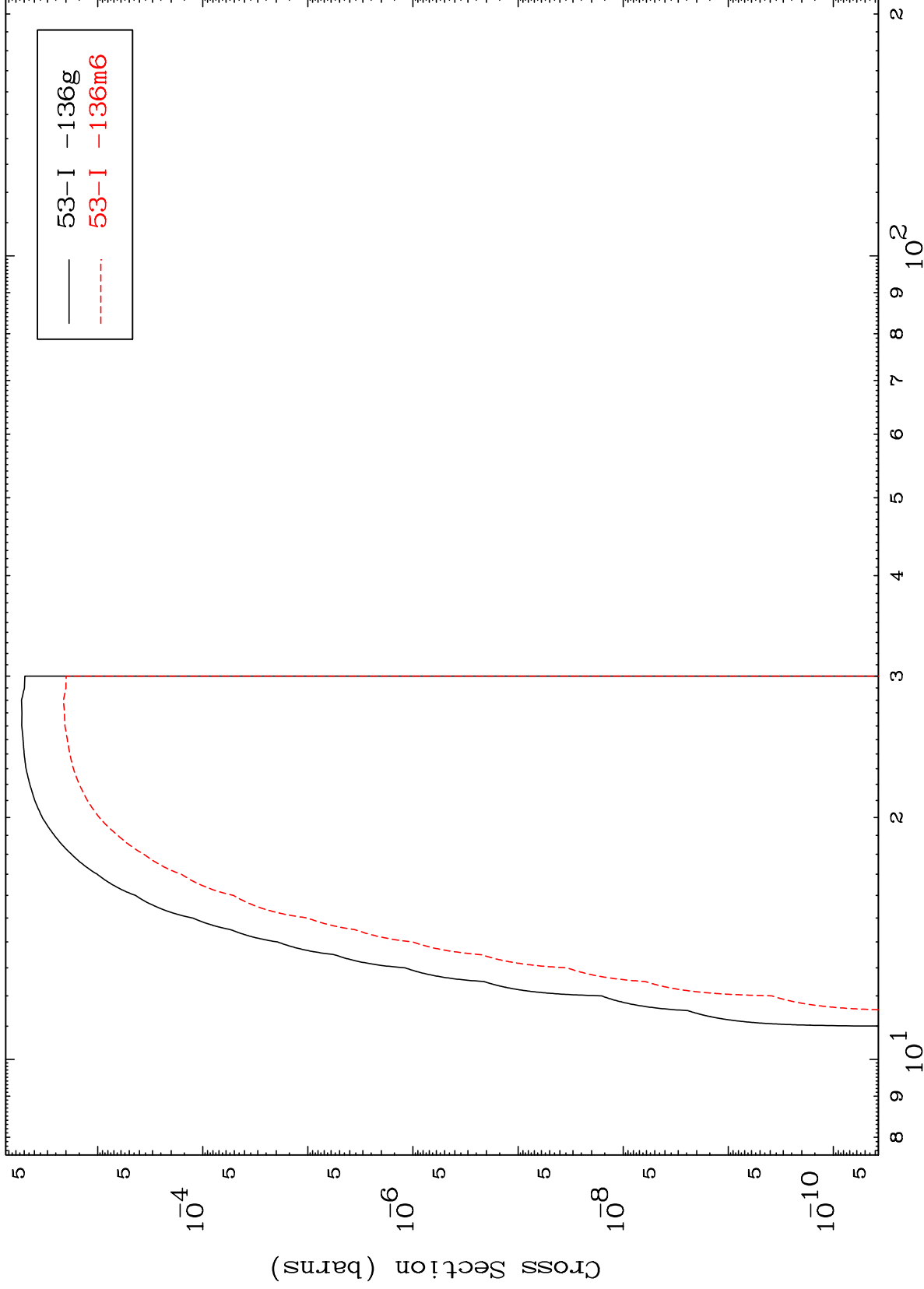
137

MAT 5464

(n,d)

54-Xe-137

Radionuclide Production Cross Section



138

Incident Energy (MeV)

54-Xe-137

MAT 5464

(n,2α)

54-Xe-137

Radionuclide Production Cross Section

