

Program EVALPLOT
(Version 2015-2)

by

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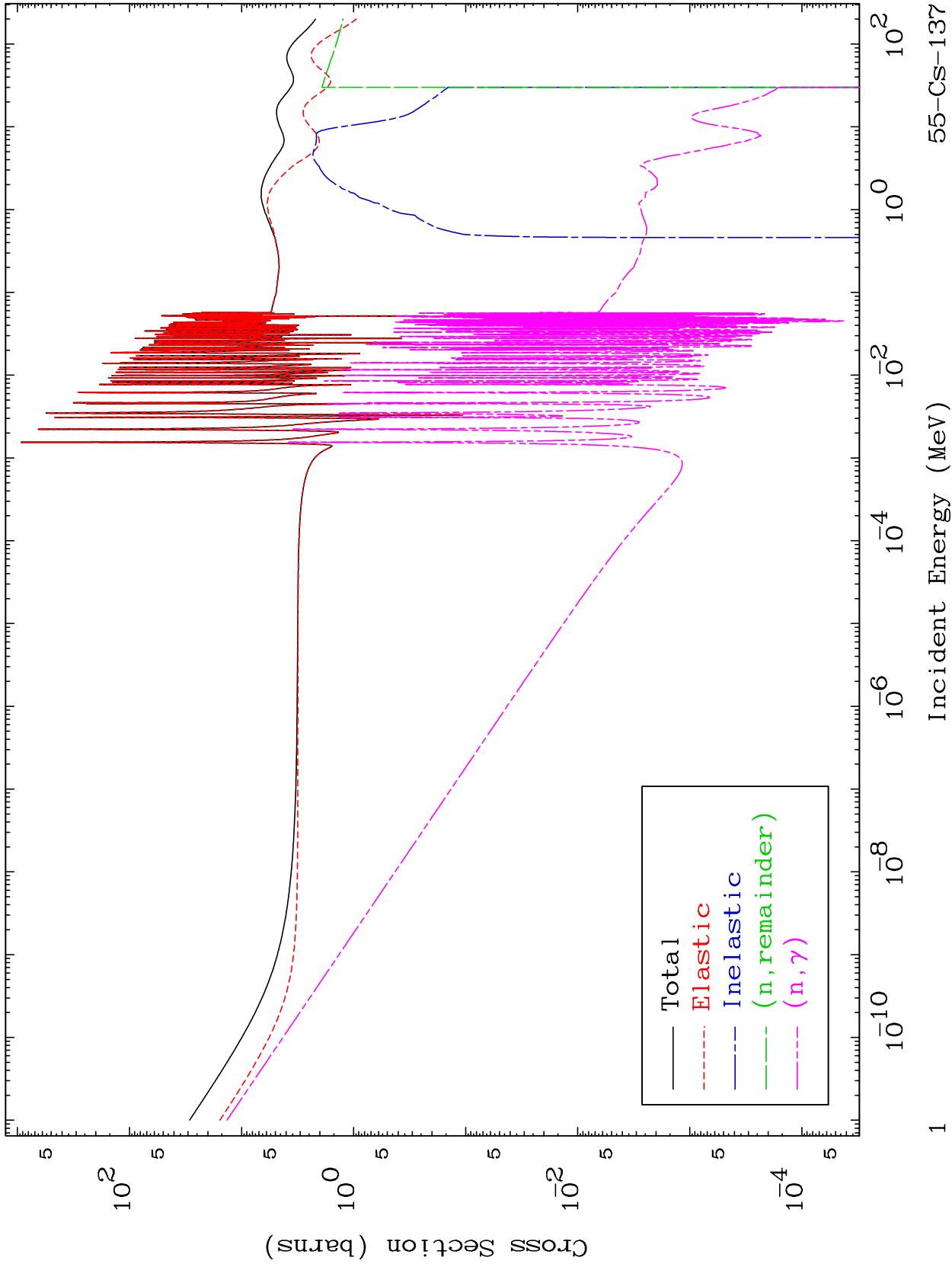
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

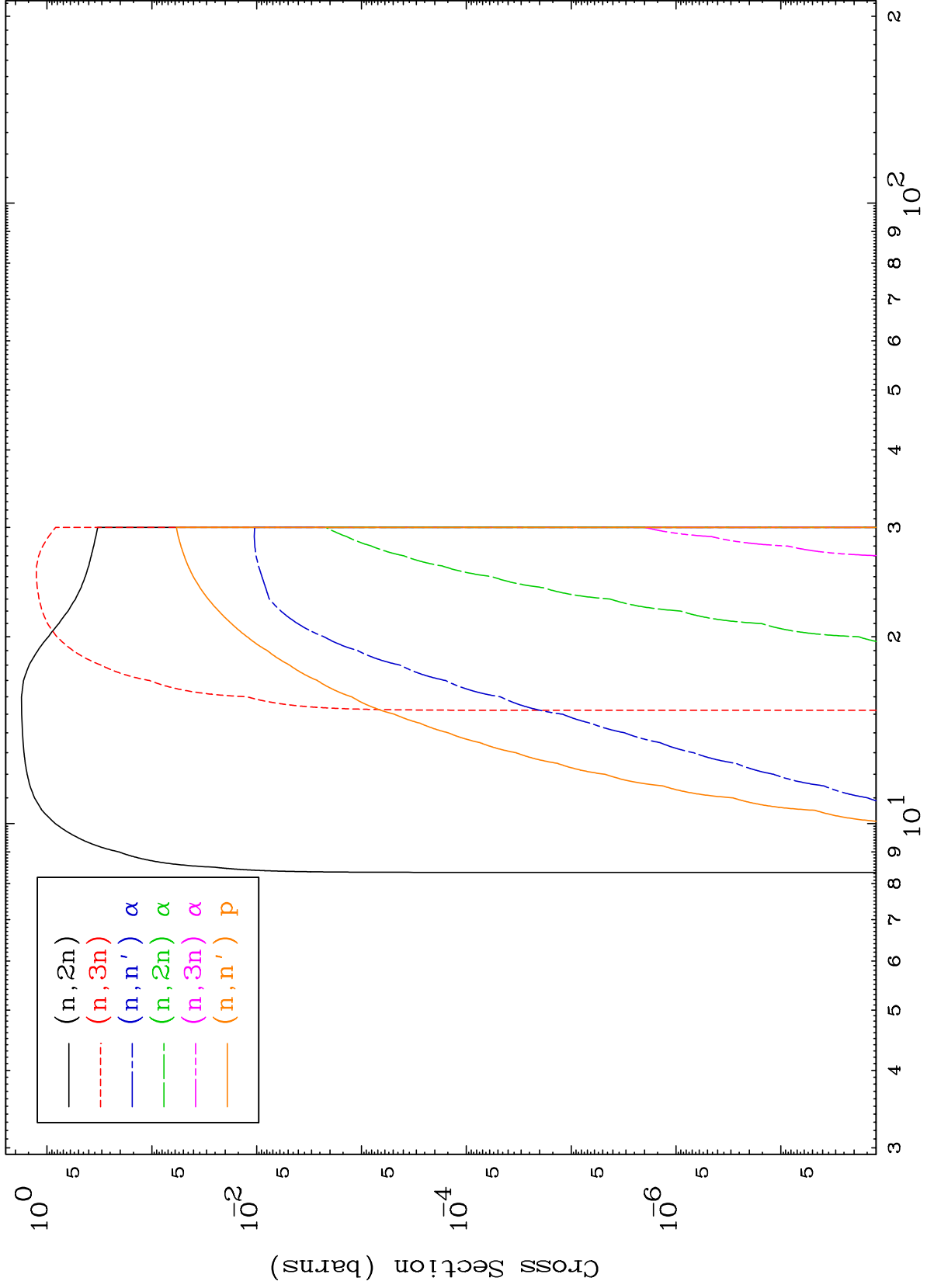
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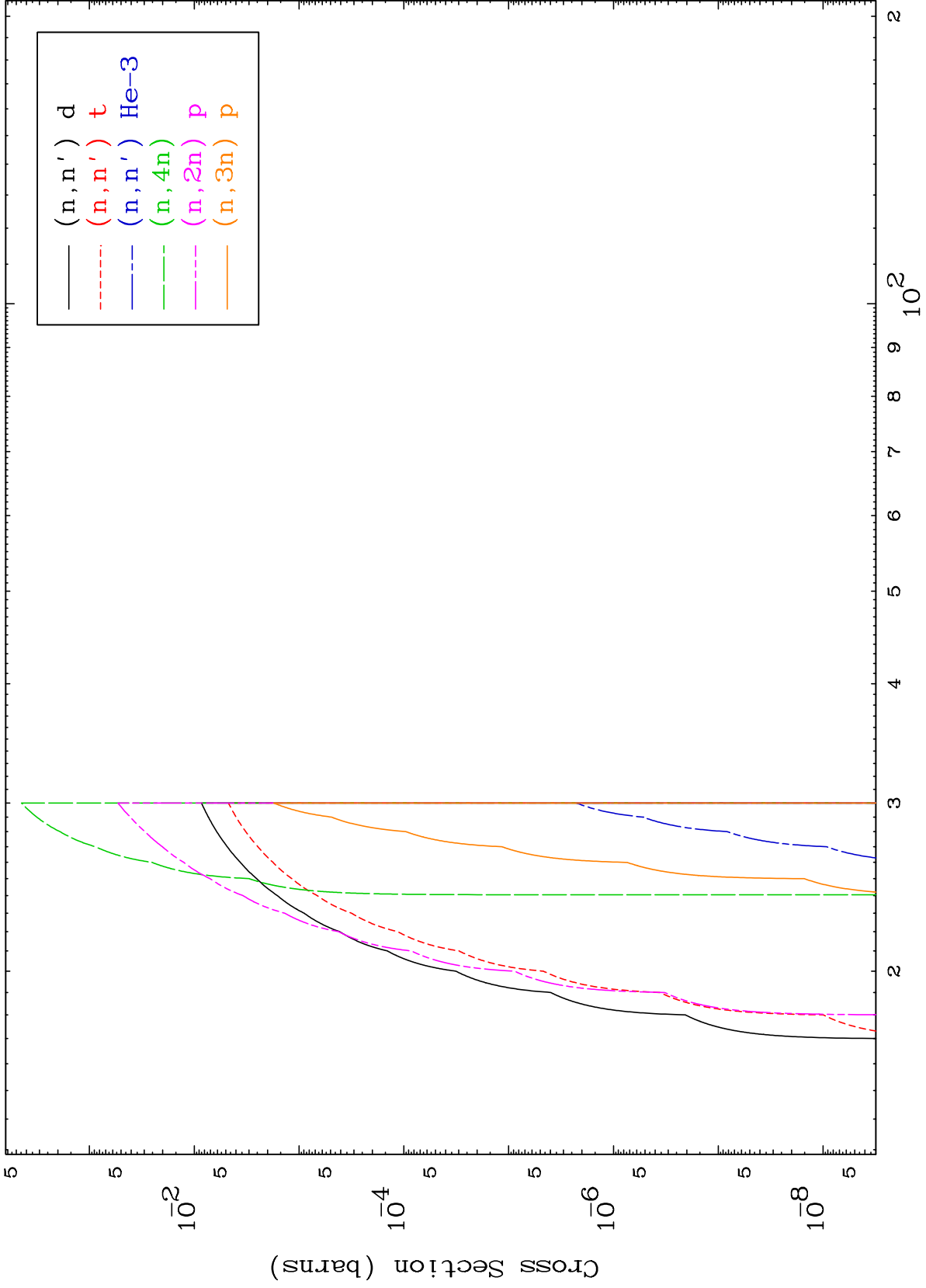
MAT 5537

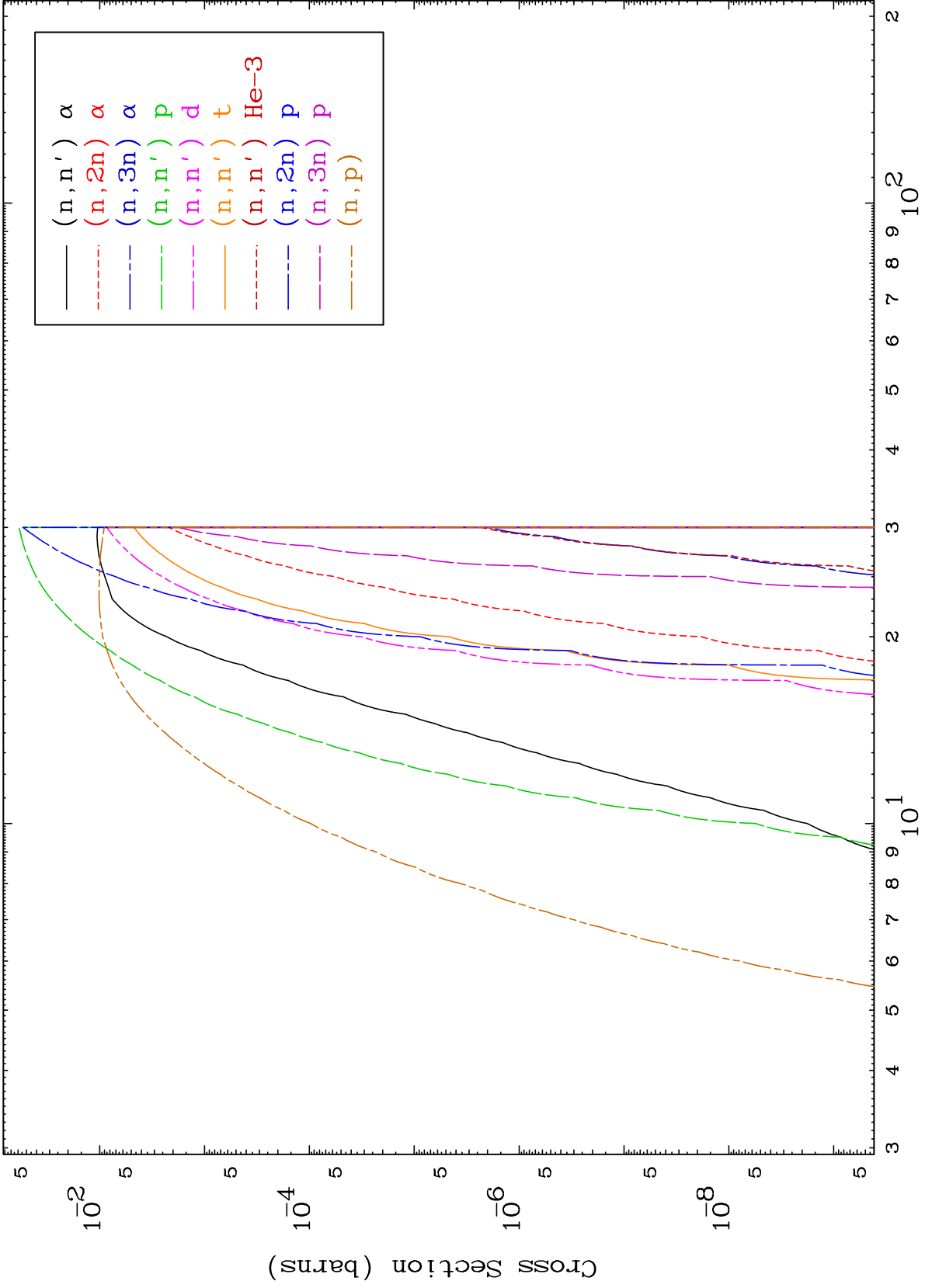
Major
293 Kelvin Cross Sections

55-Cs-137





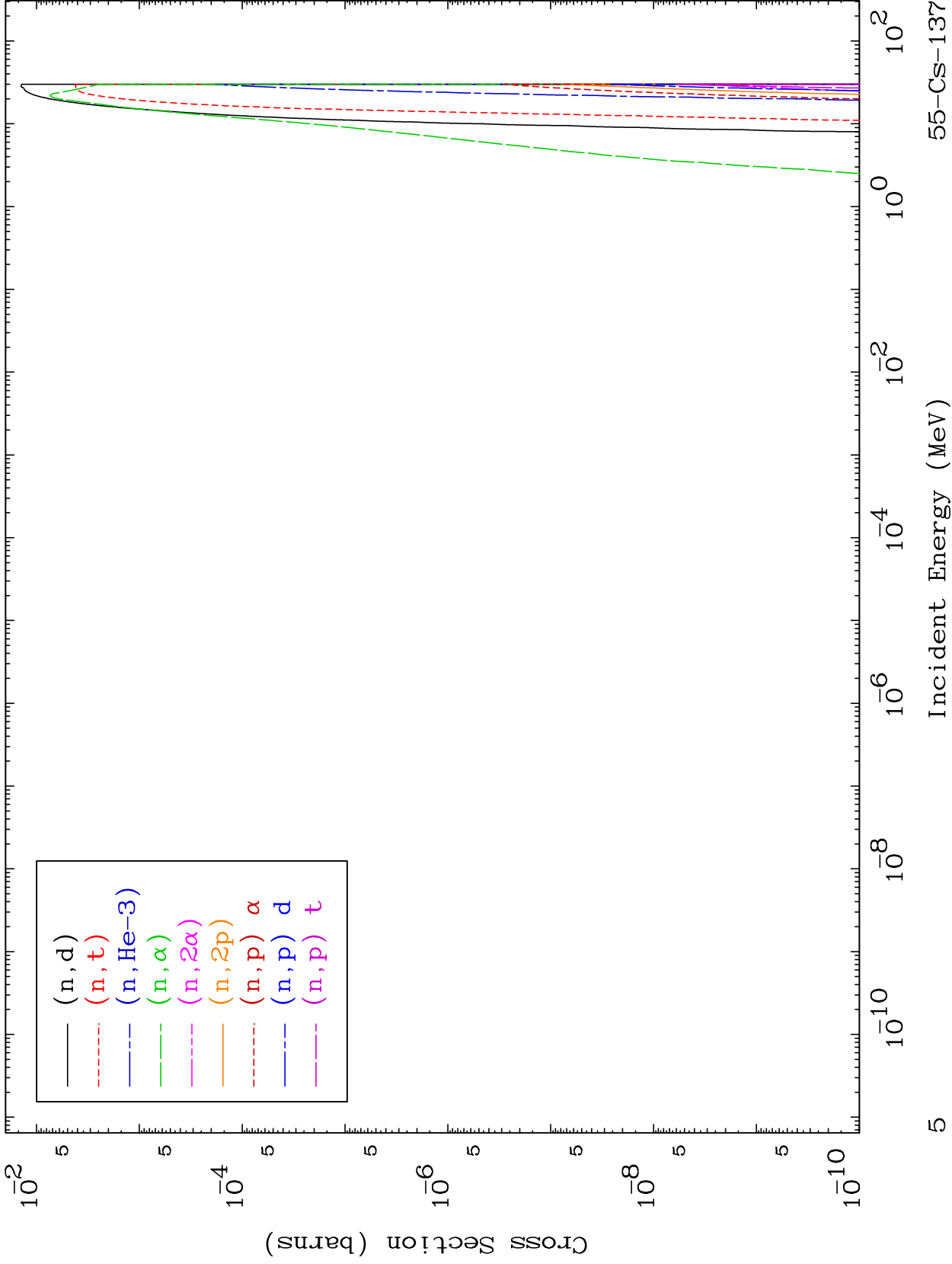




MAT 5537

Charged Particle
293 Kelvin Cross Sections

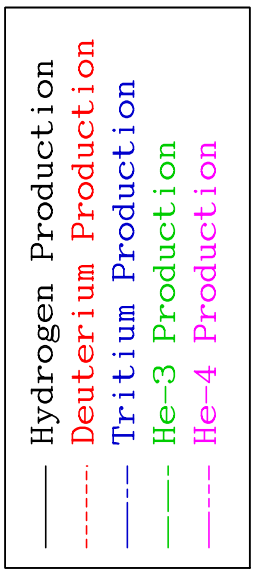
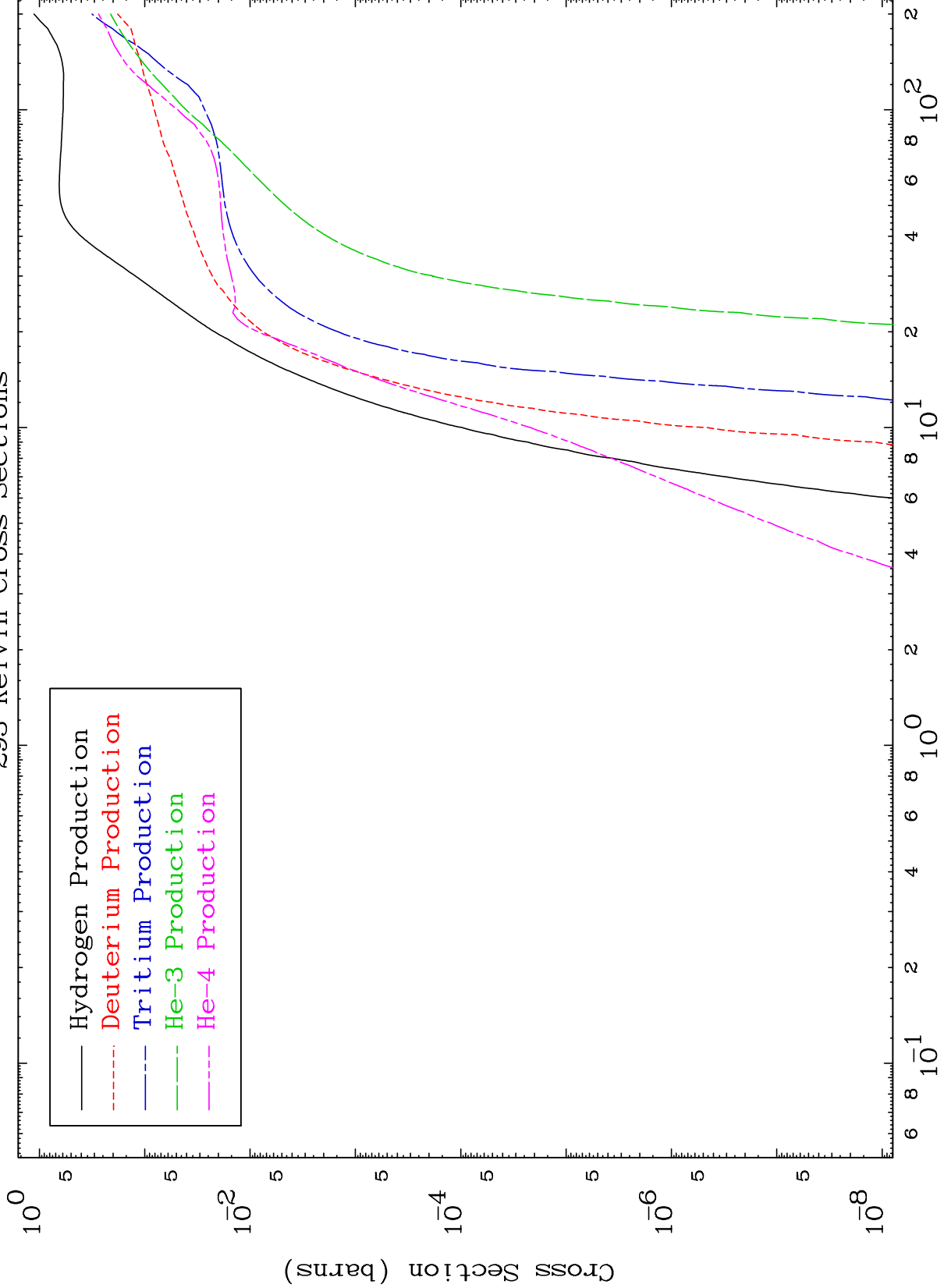
55-Cs-137



MAT 5537

Particle Production
293 Kelvin Cross Sections

55-Cs-137



6

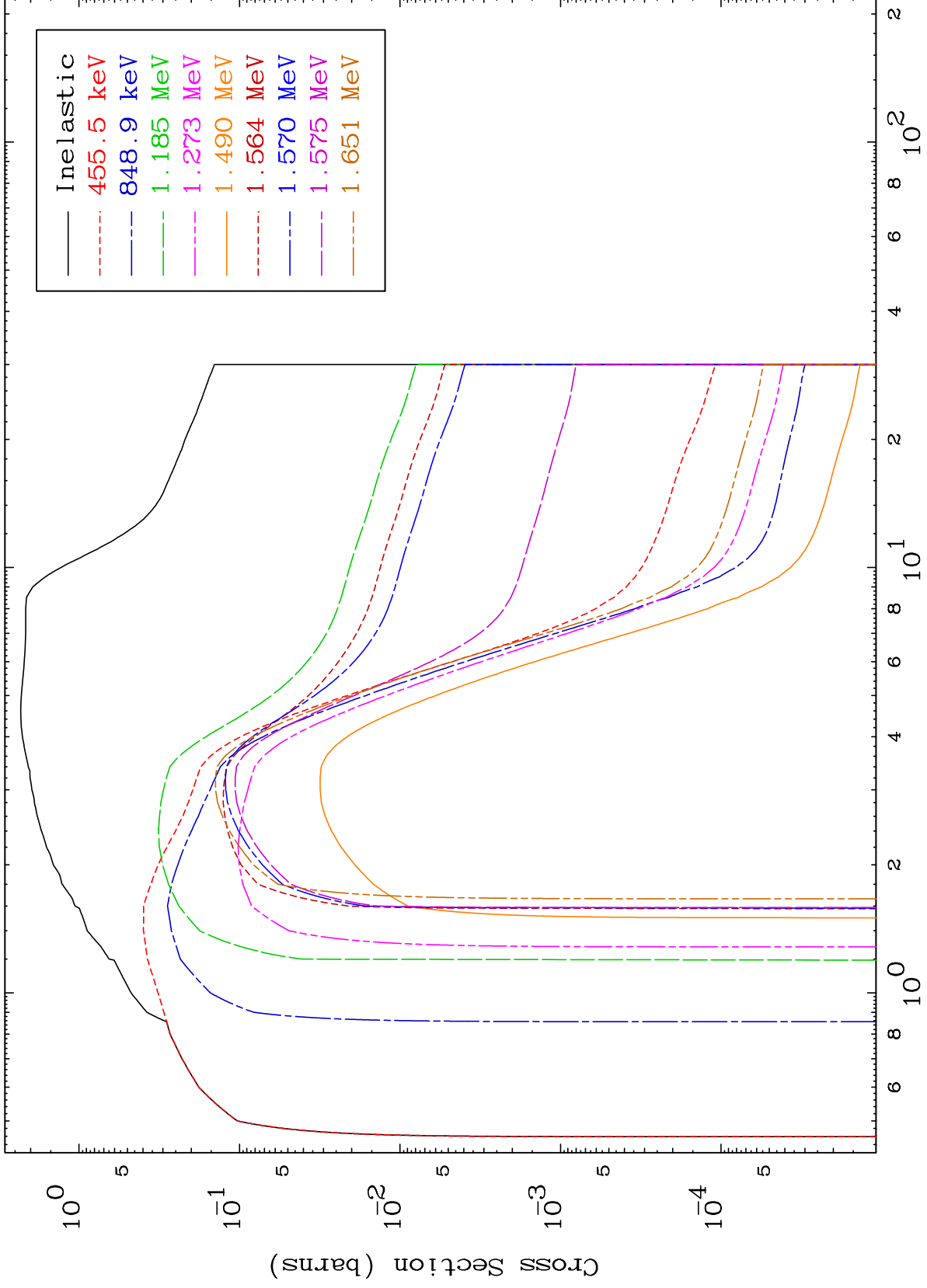
Incident Energy (MeV)

55-Cs-137

MAT 5537

(n,n') Level
293 Kelvin Cross Sections

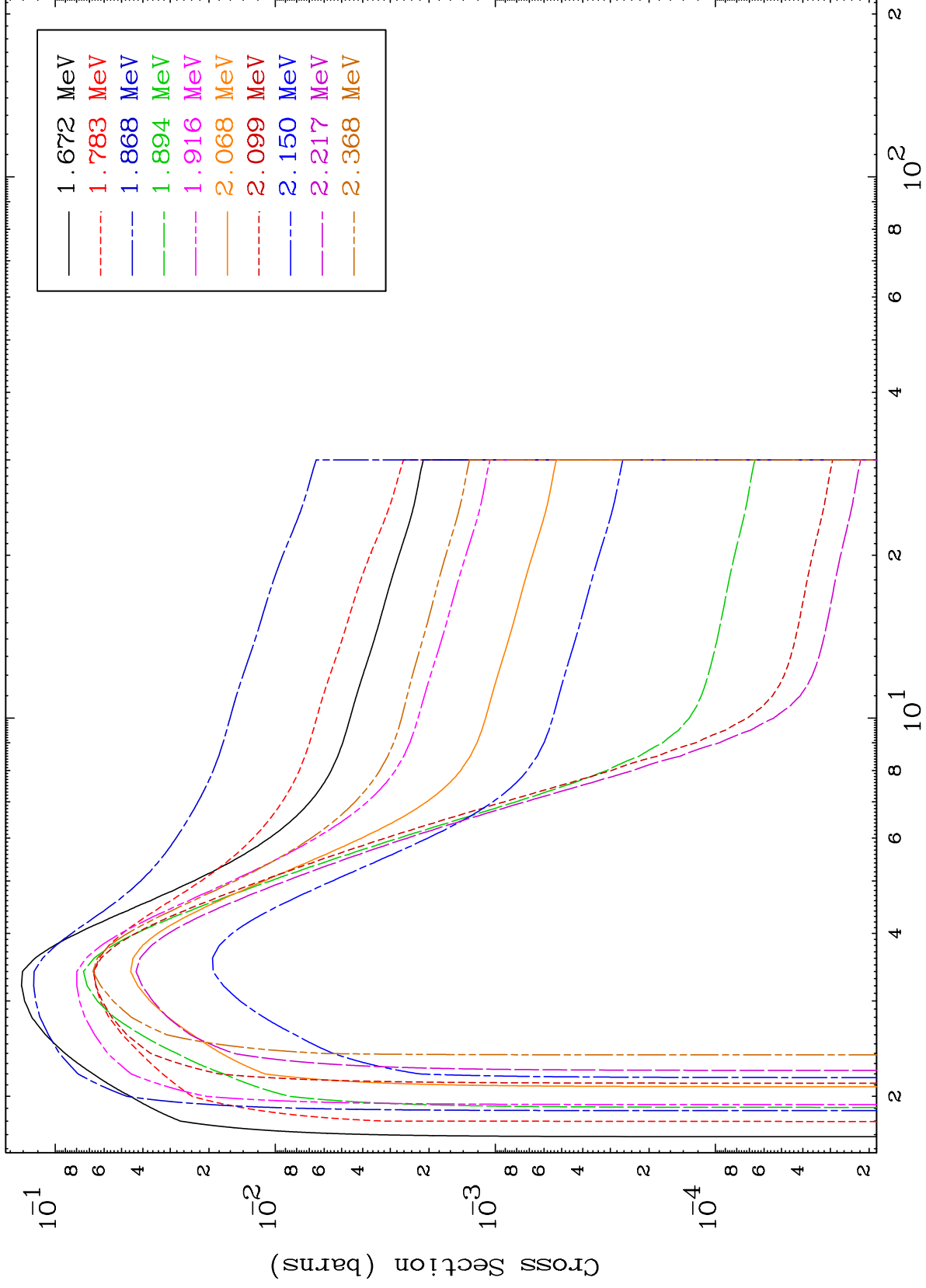
55-Cs-137



MAT 5537

(n,n') Level
293 Kelvin Cross Sections

55-Cs-137



8

Incident Energy (MeV)

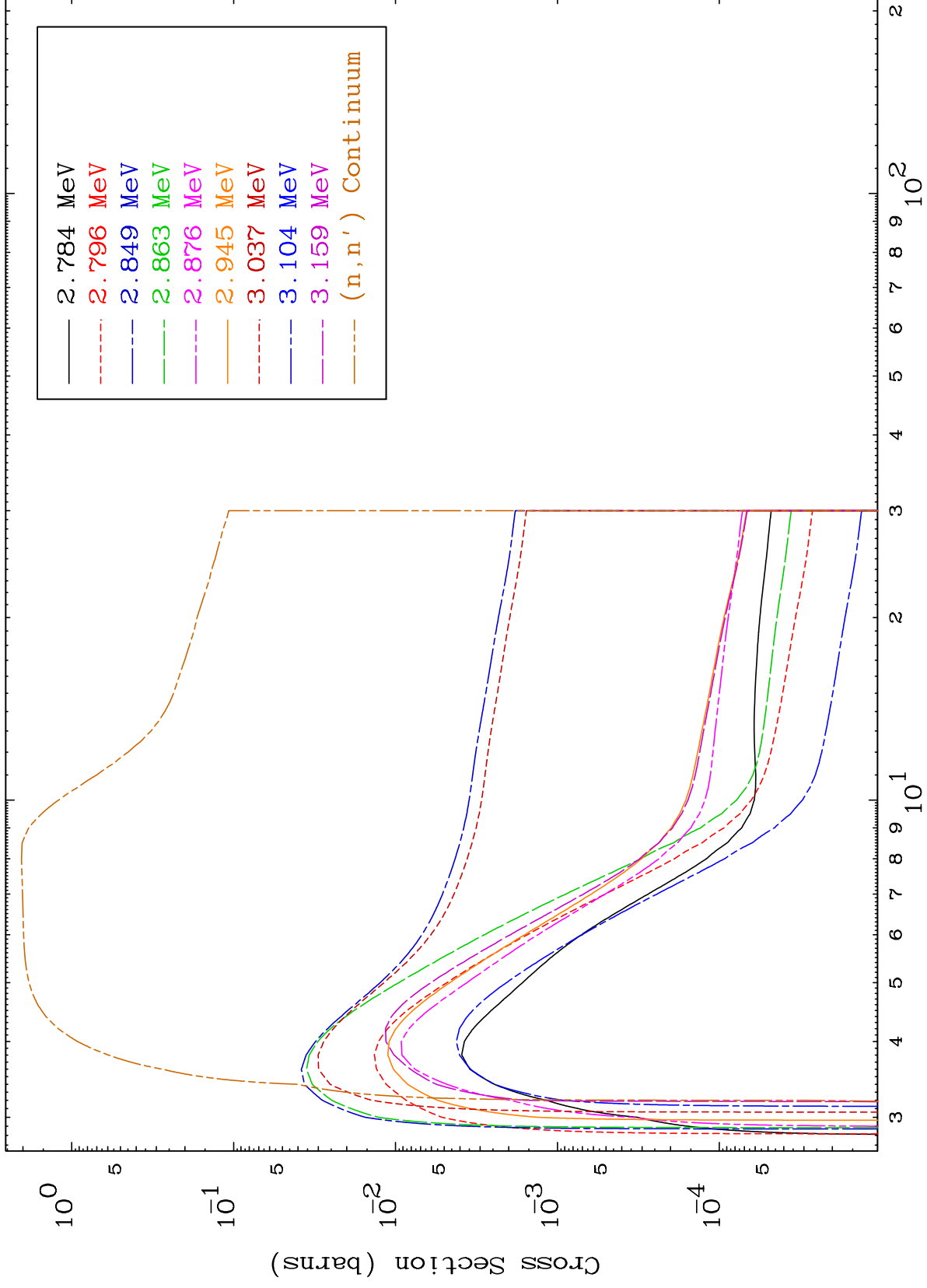
55-Cs-137

MAT 5537

(n,n') Level

55-Cs-137

293 Kelvin Cross Sections



9

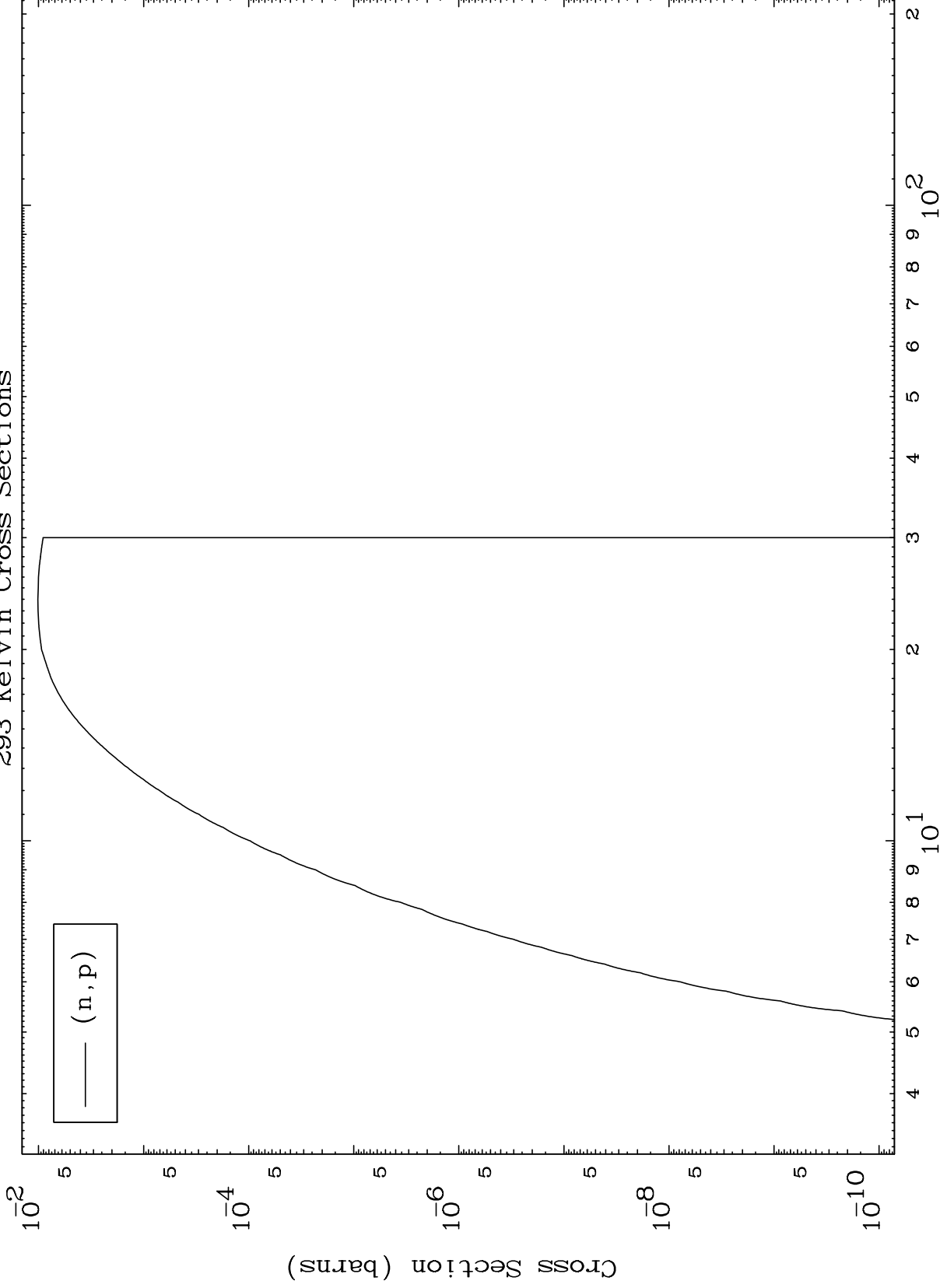
Incident Energy (MeV)

55-Cs-137

MAT 5537

(n,p) Levels
293 Kelvin Cross Sections

55-Cs-137



10

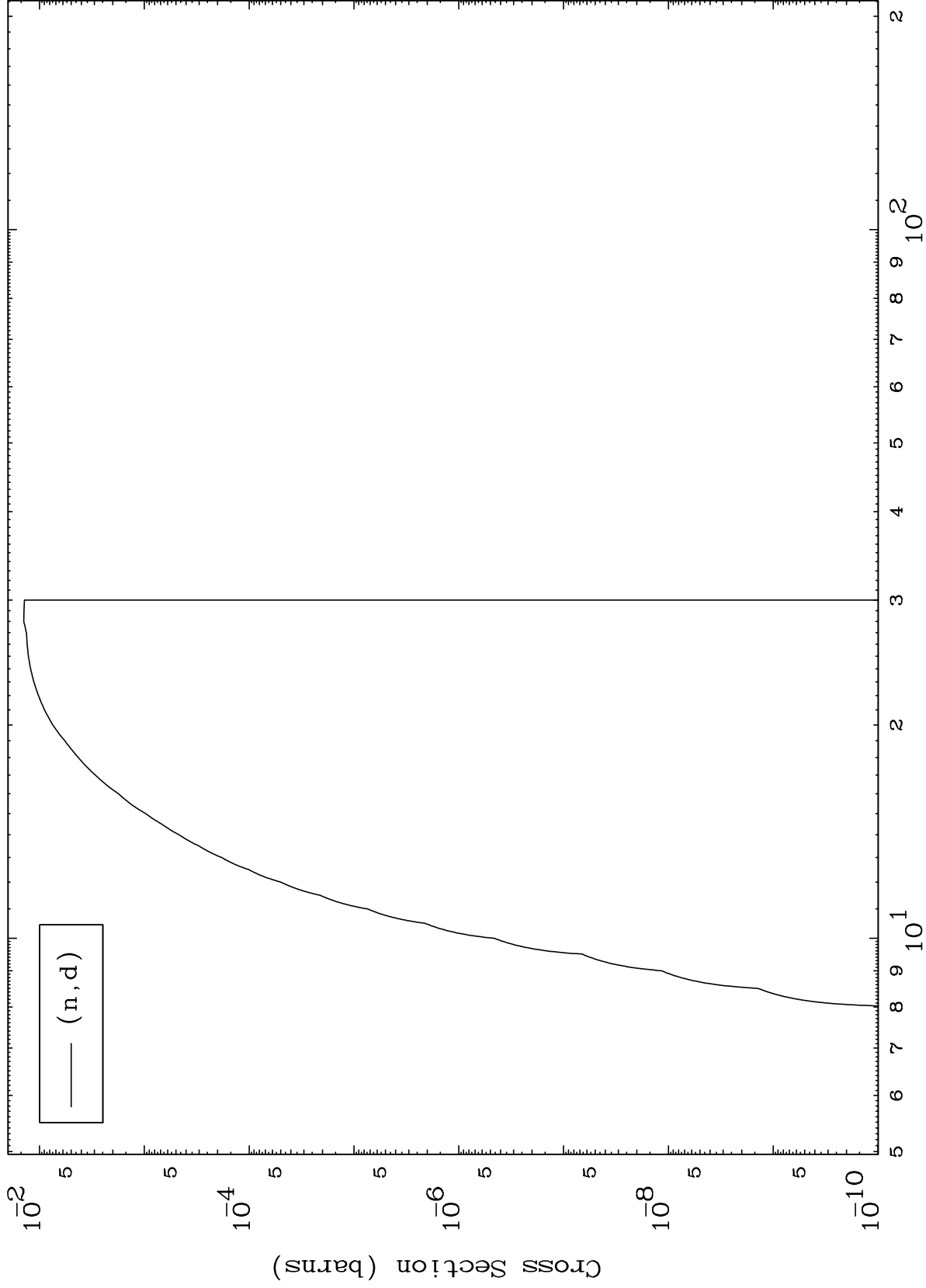
Incident Energy (MeV)

55-Cs-137

MAT 5537

(n,d) Levels
293 Kelvin Cross Sections

55-Cs-137



11

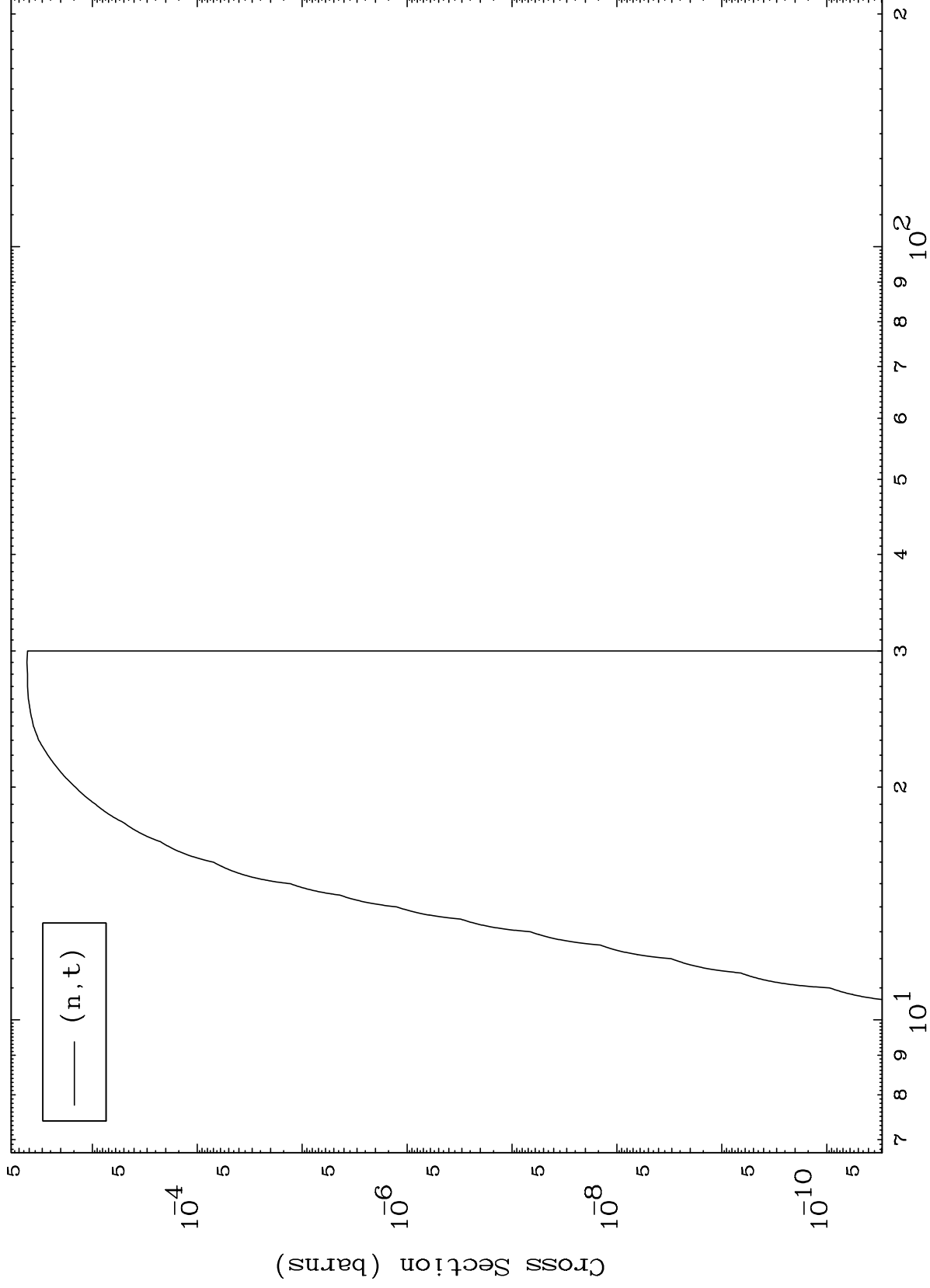
Incident Energy (MeV)

55-Cs-137

MAT 5537

(n,t) Levels
293 Kelvin Cross Sections

55-Cs-137



12

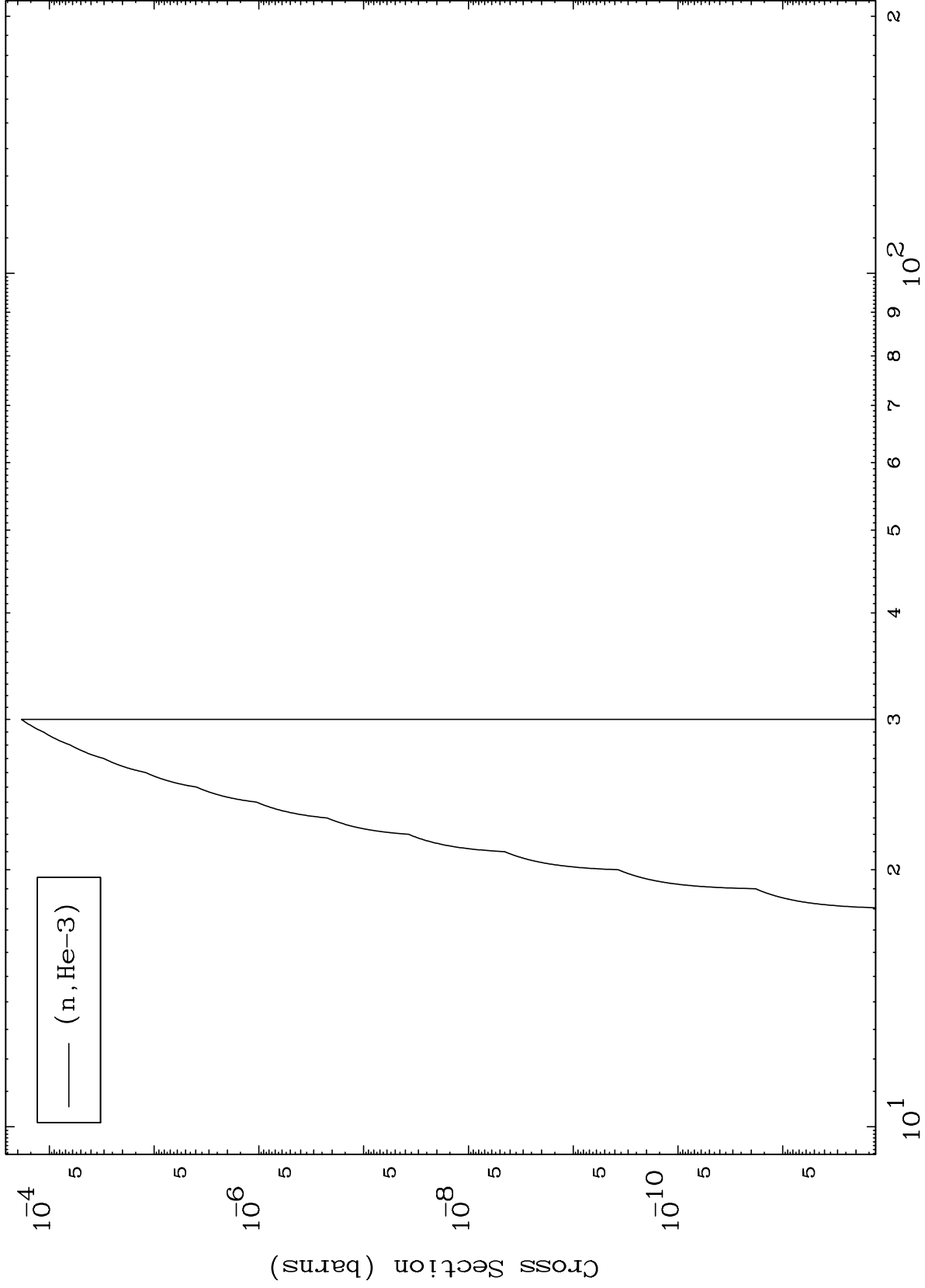
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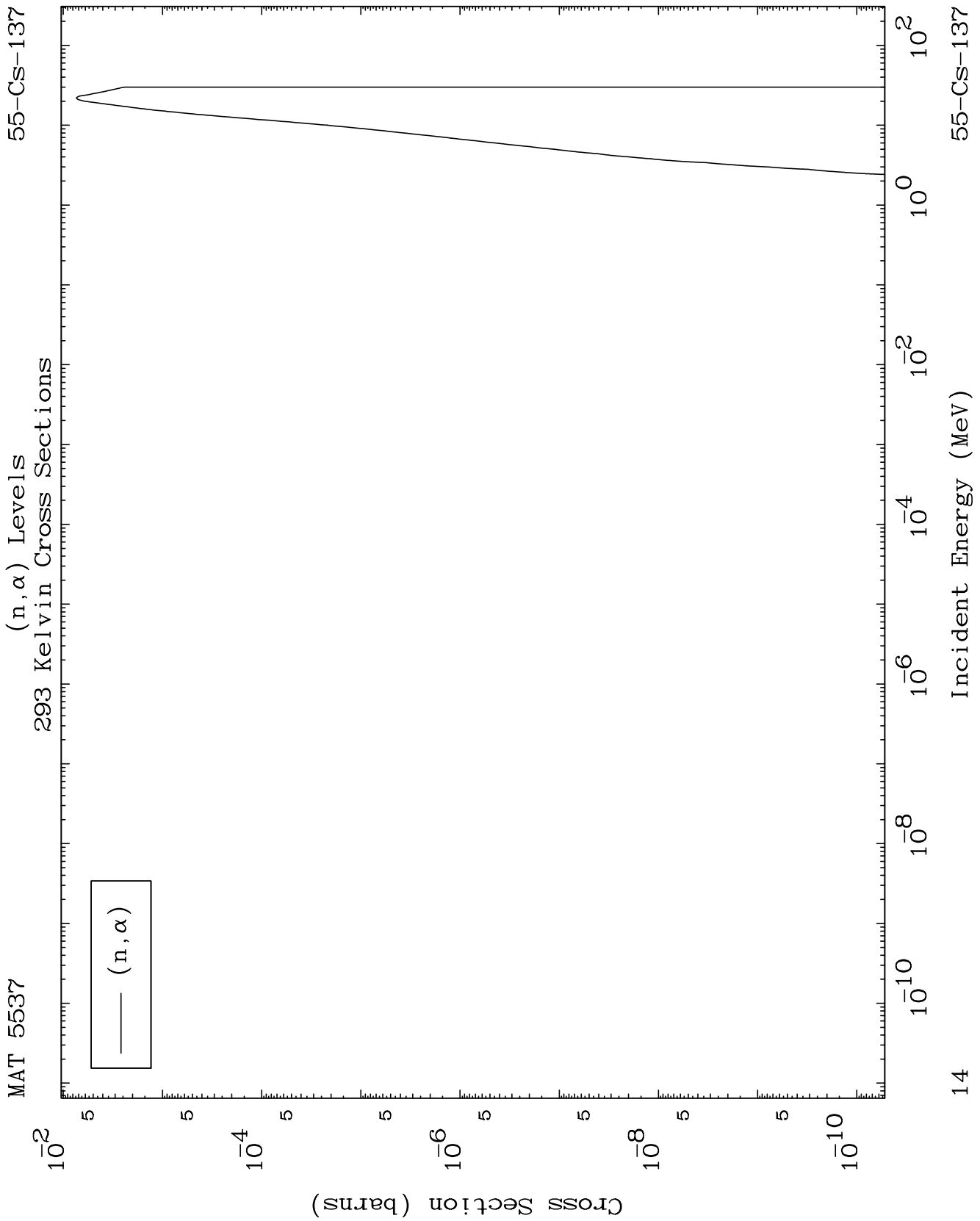
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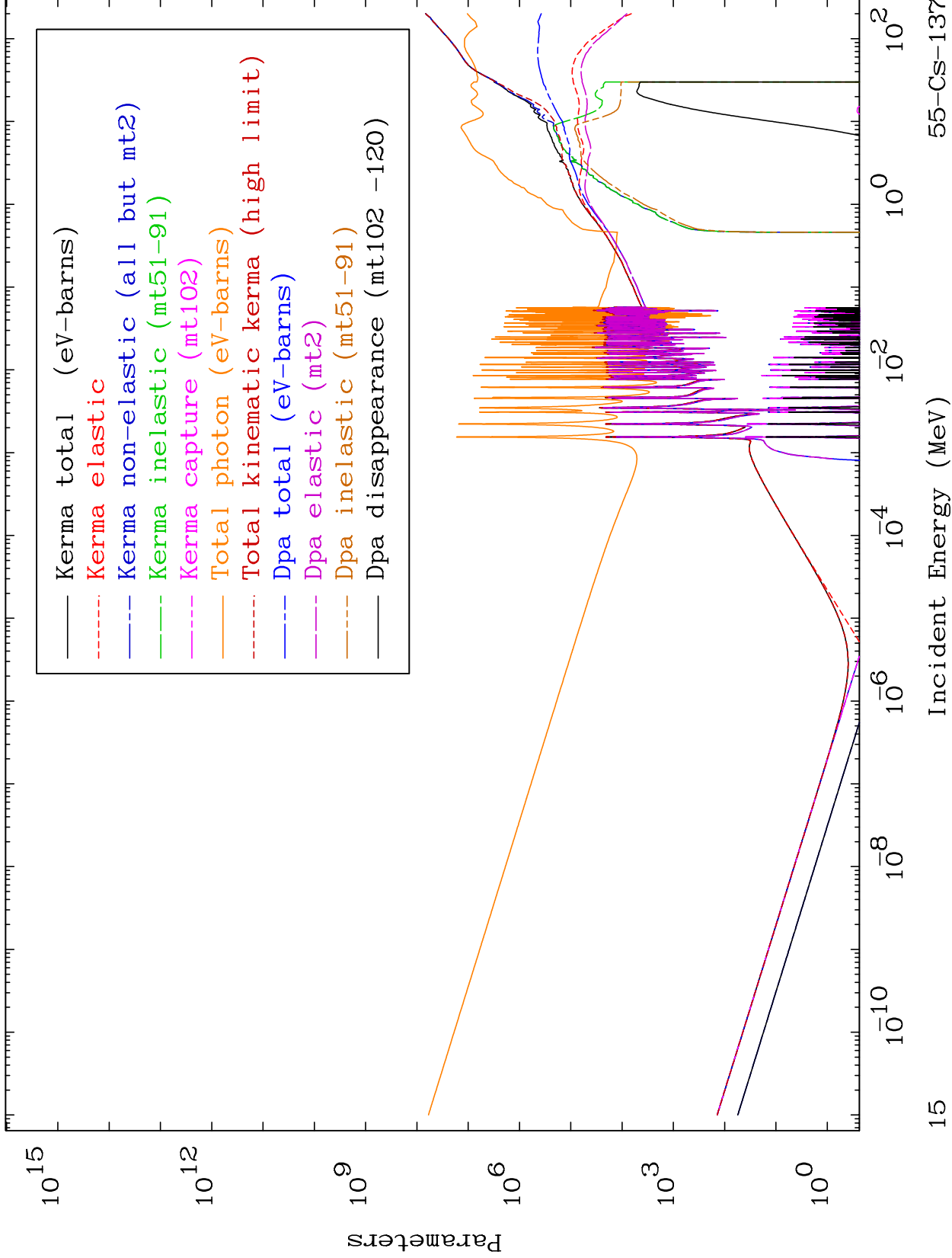
MAT 5537

(n,He3) Levels
293 Kelvin Cross Sections

55-Cs-137



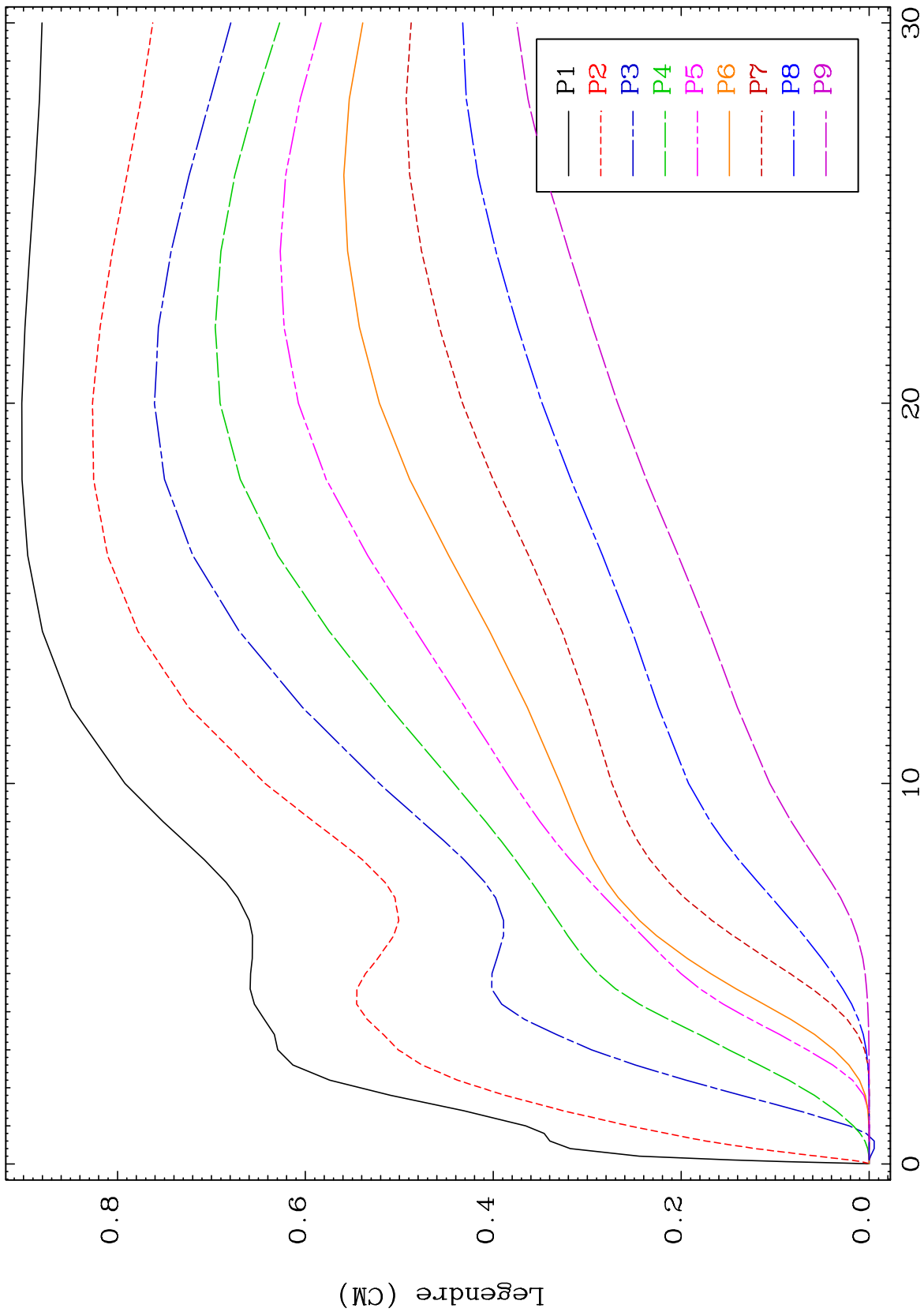




MAT 5537

Elastic Legendre Coefficients

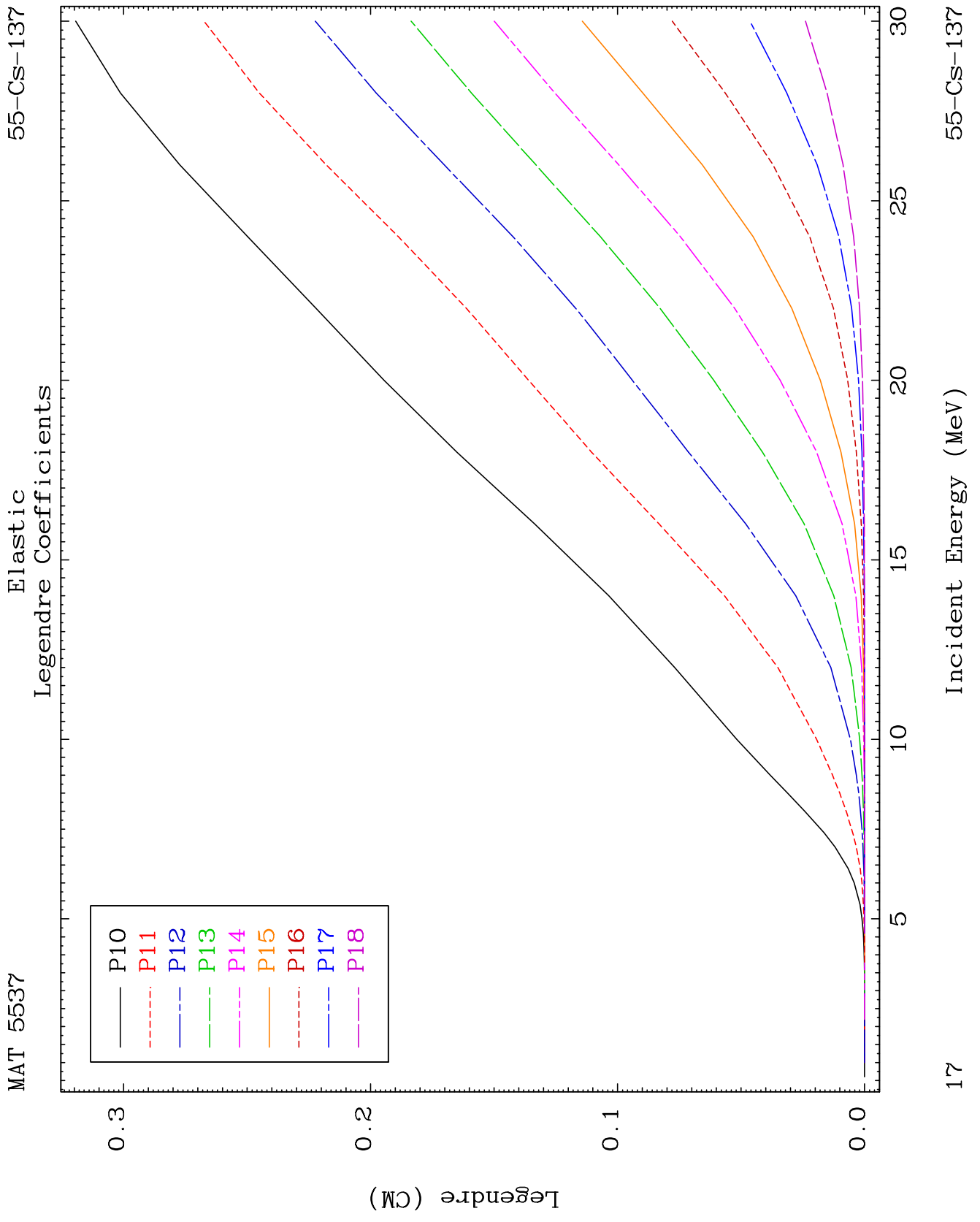
55-Cs-137



16

Incident Energy (MeV)

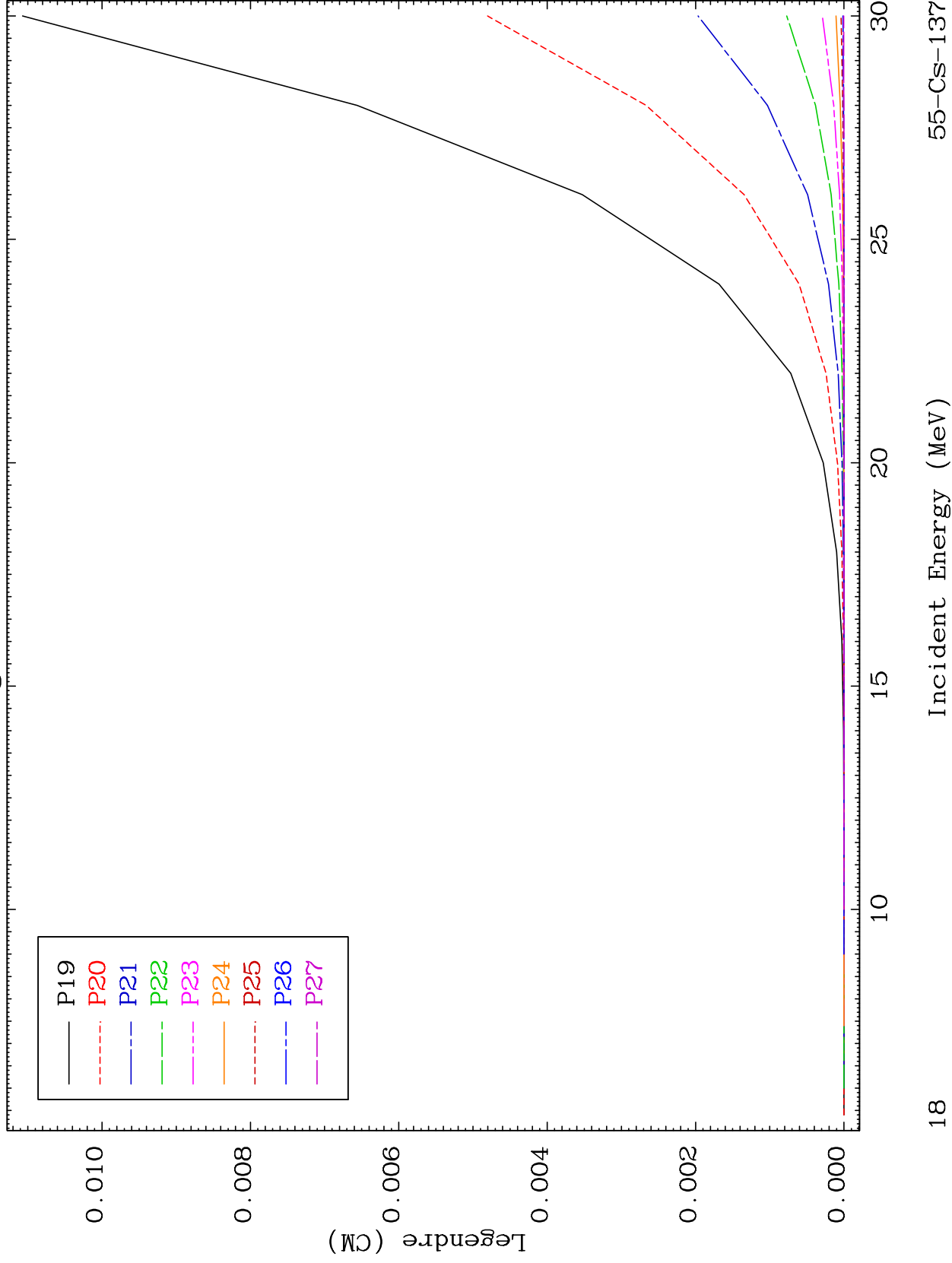
55-Cs-137



MAT 5537

Elastic Legendre Coefficients

55-Cs-137



18

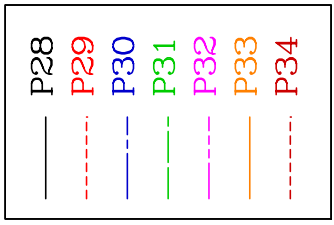
Incident Energy (MeV)

55-Cs-137

MAT 5537

Elastic Legendre Coefficients

55-Cs-137



$\times 10^{-6}$

1.0

0.8

0.6

0.4

0.2

0.0

Legendre (CM)

15

20

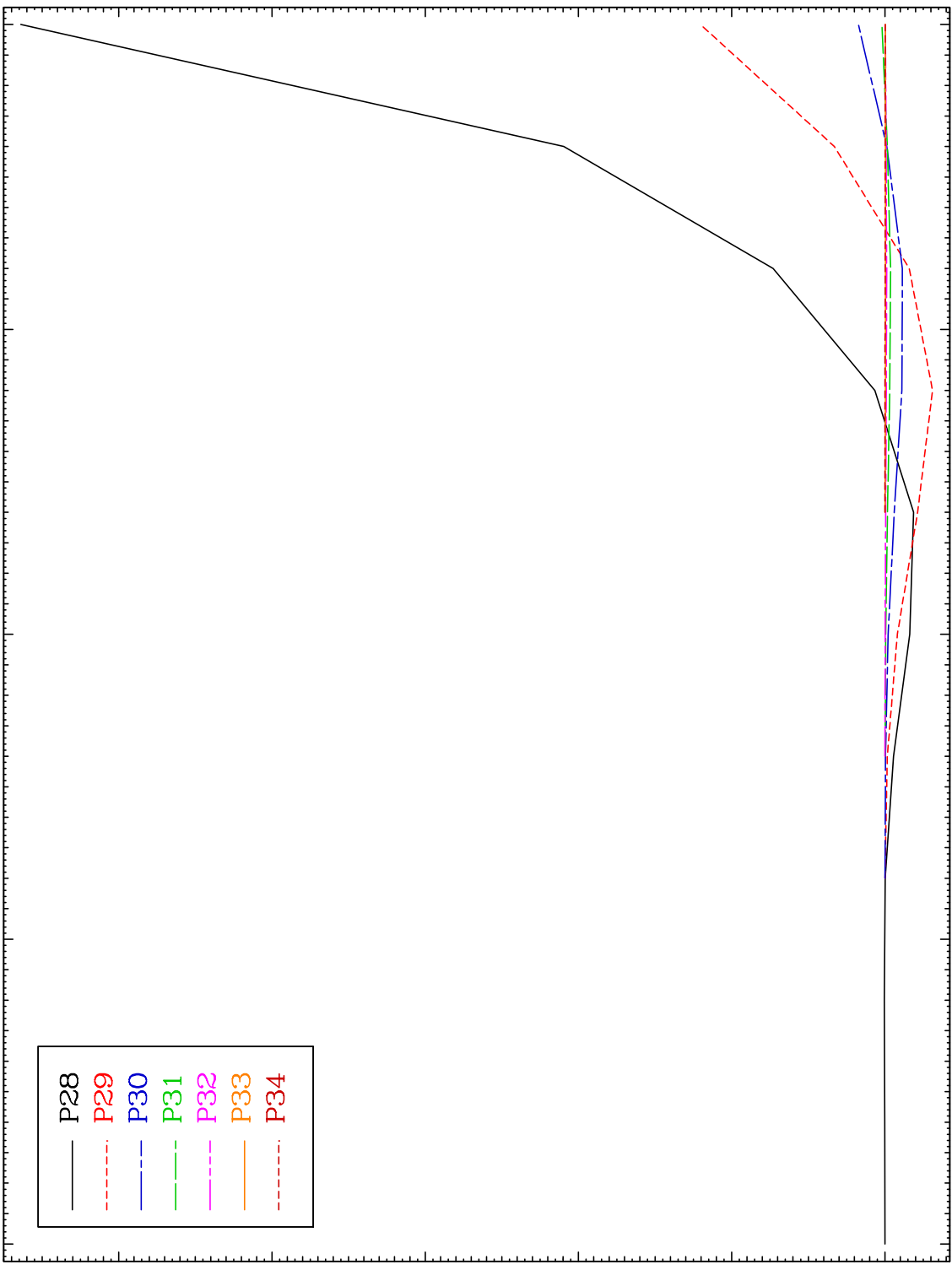
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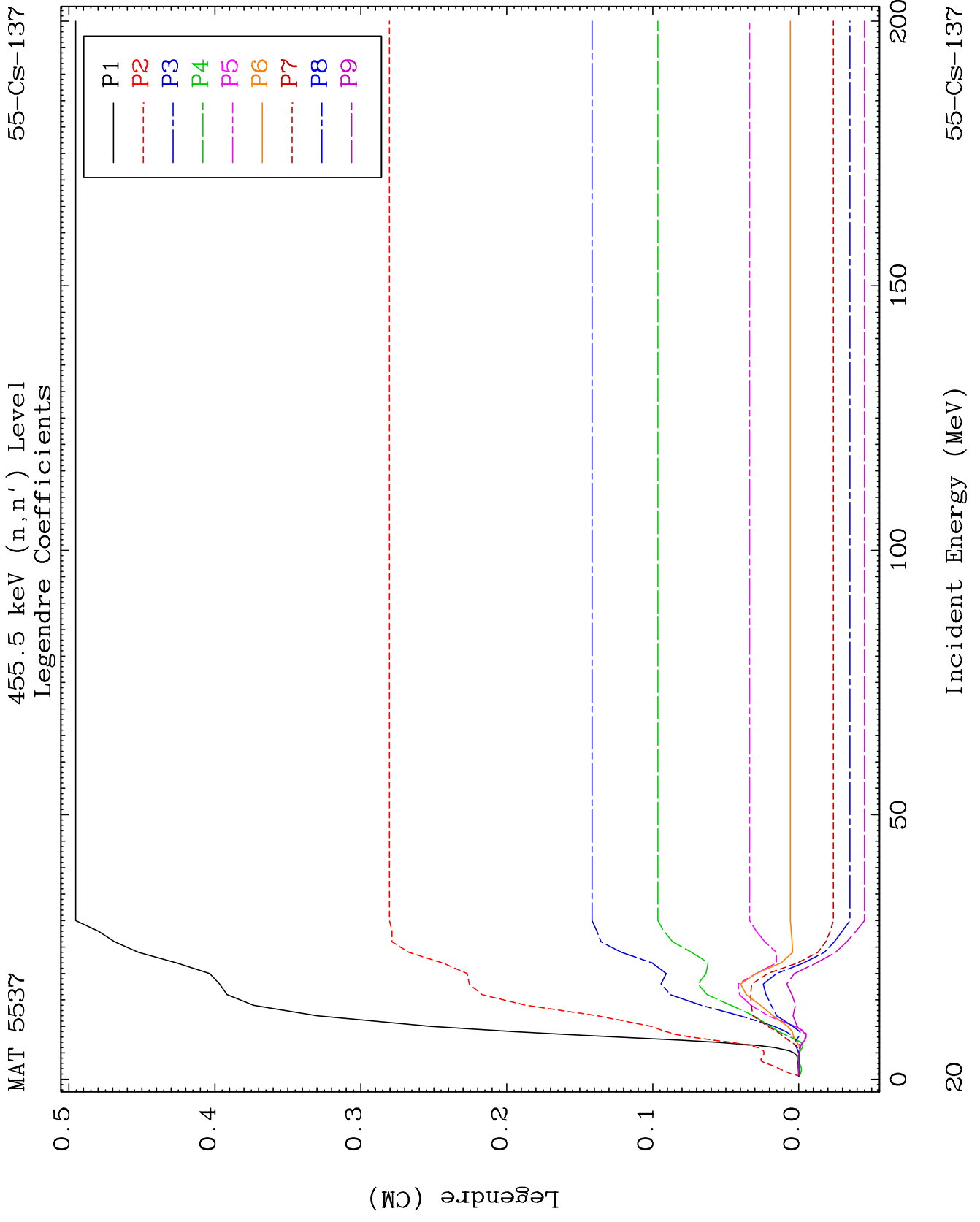
30

19

Incident Energy (MeV)

55-Cs-137

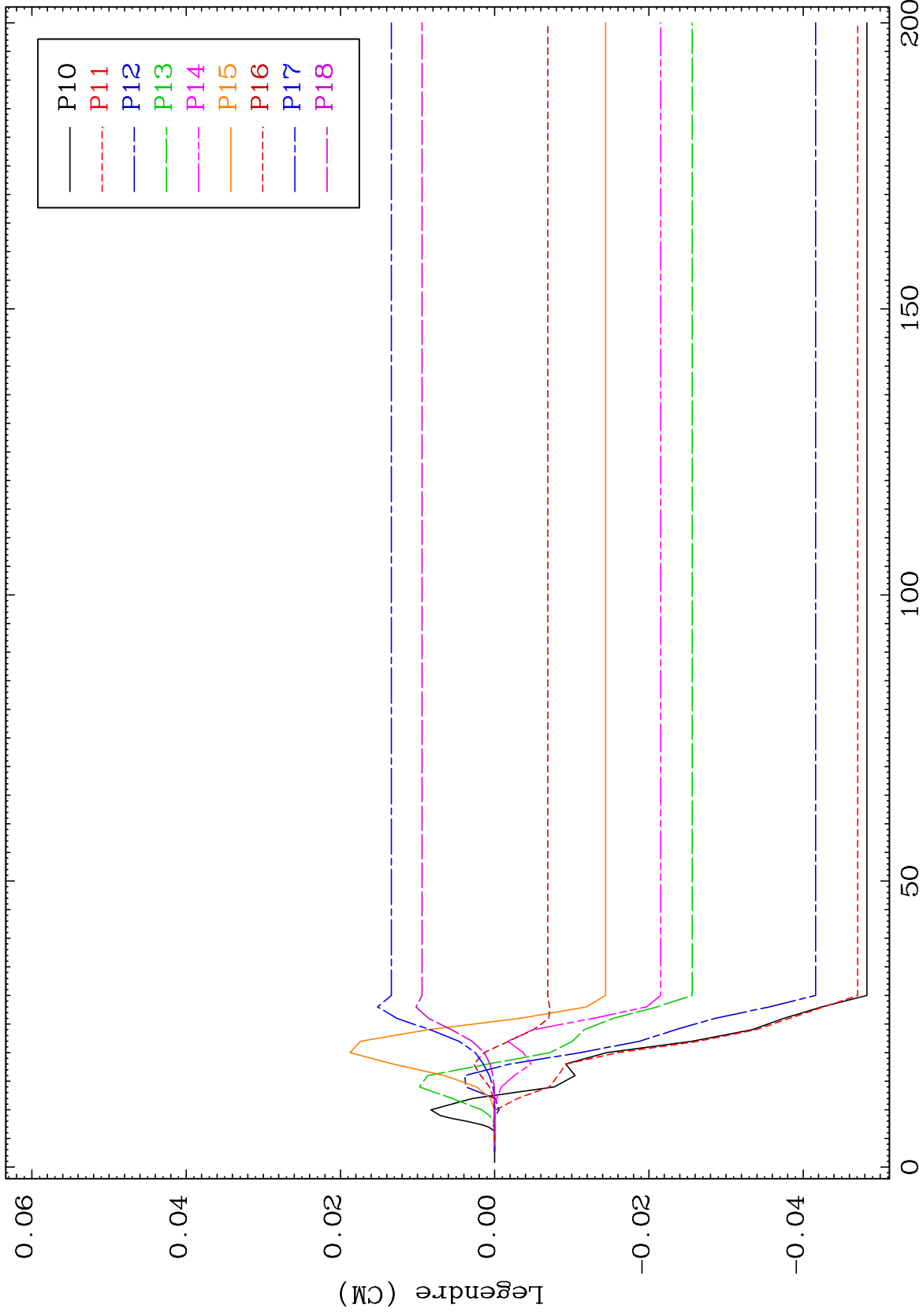


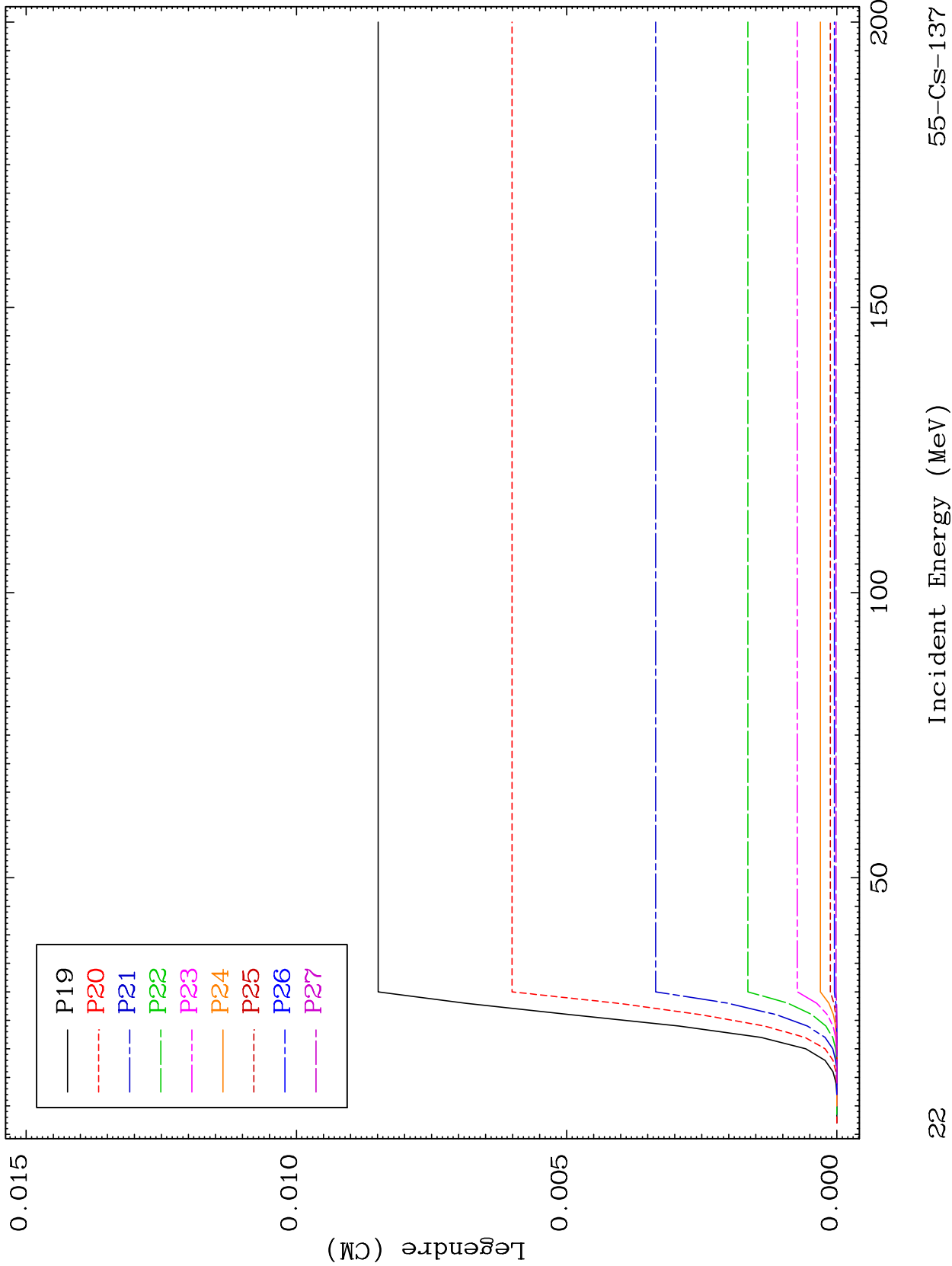


MAT 5537

455.5 keV (n,n') Level
Legendre Coefficients

55-Cs-137

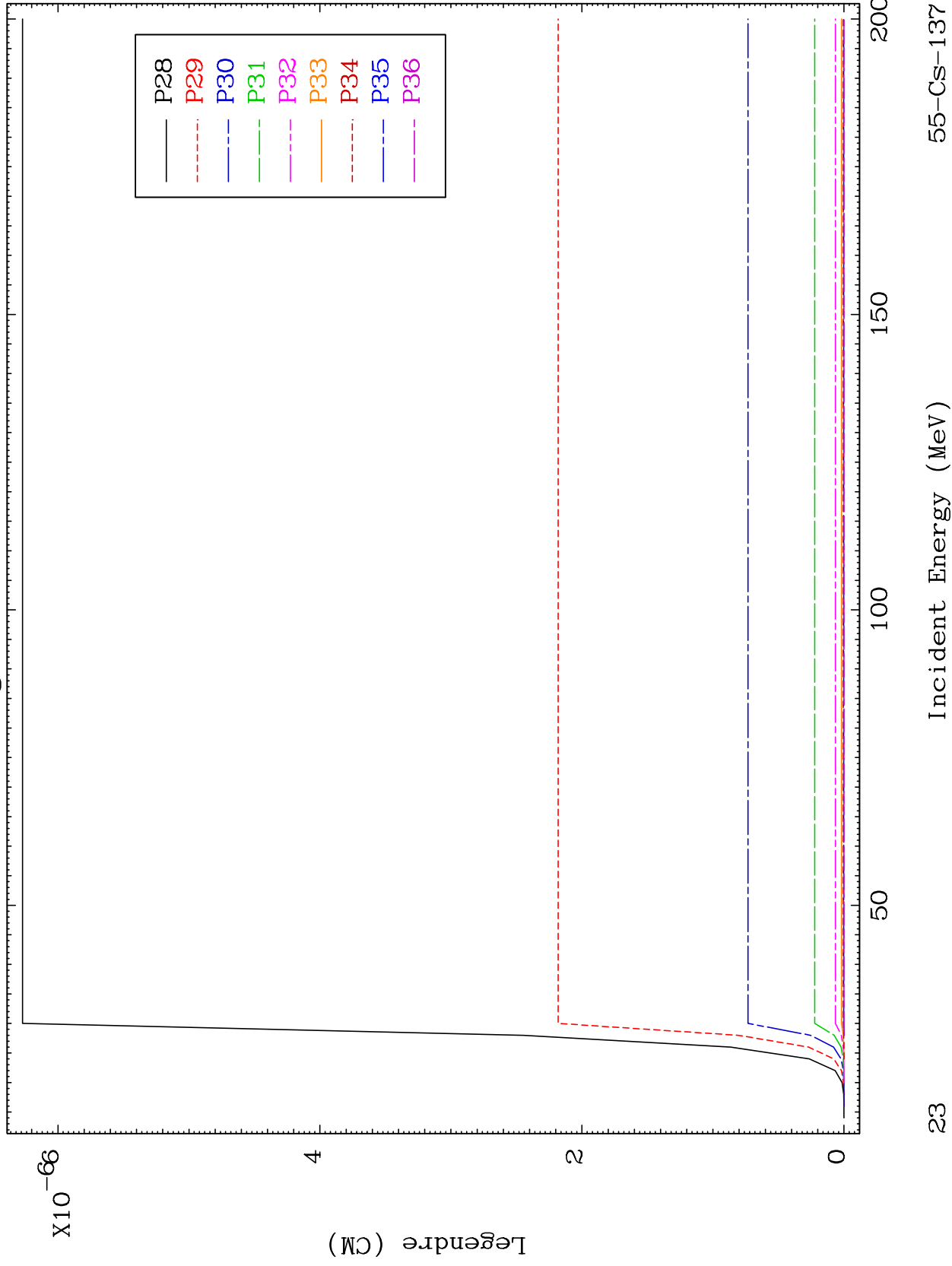




MAT 5537

455.5 keV (n,n') Level
Legendre Coefficients

55-Cs-137



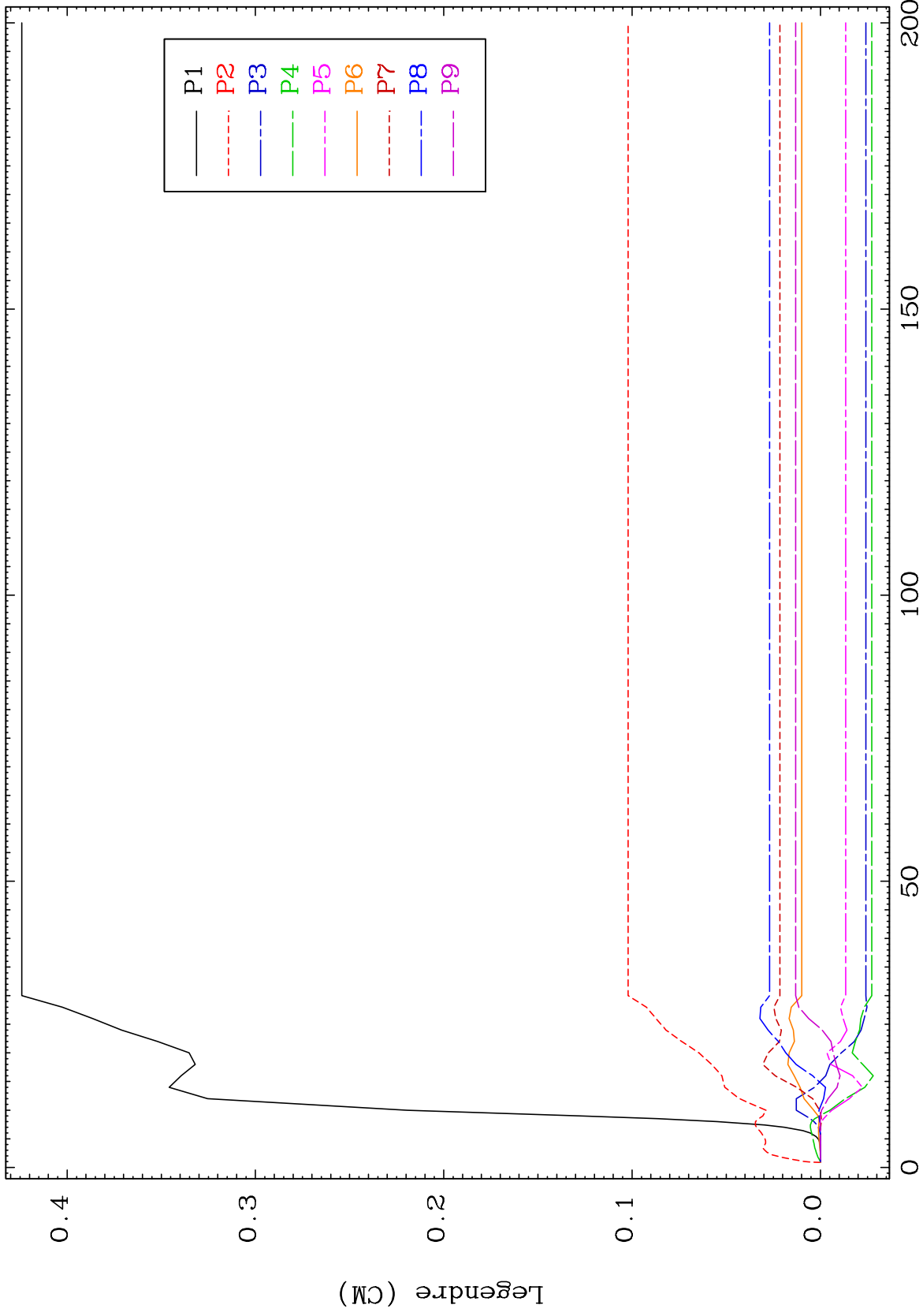
23

55-Cs-137

MAT 5537

848.9 keV (n, n') Level
Legendre Coefficients

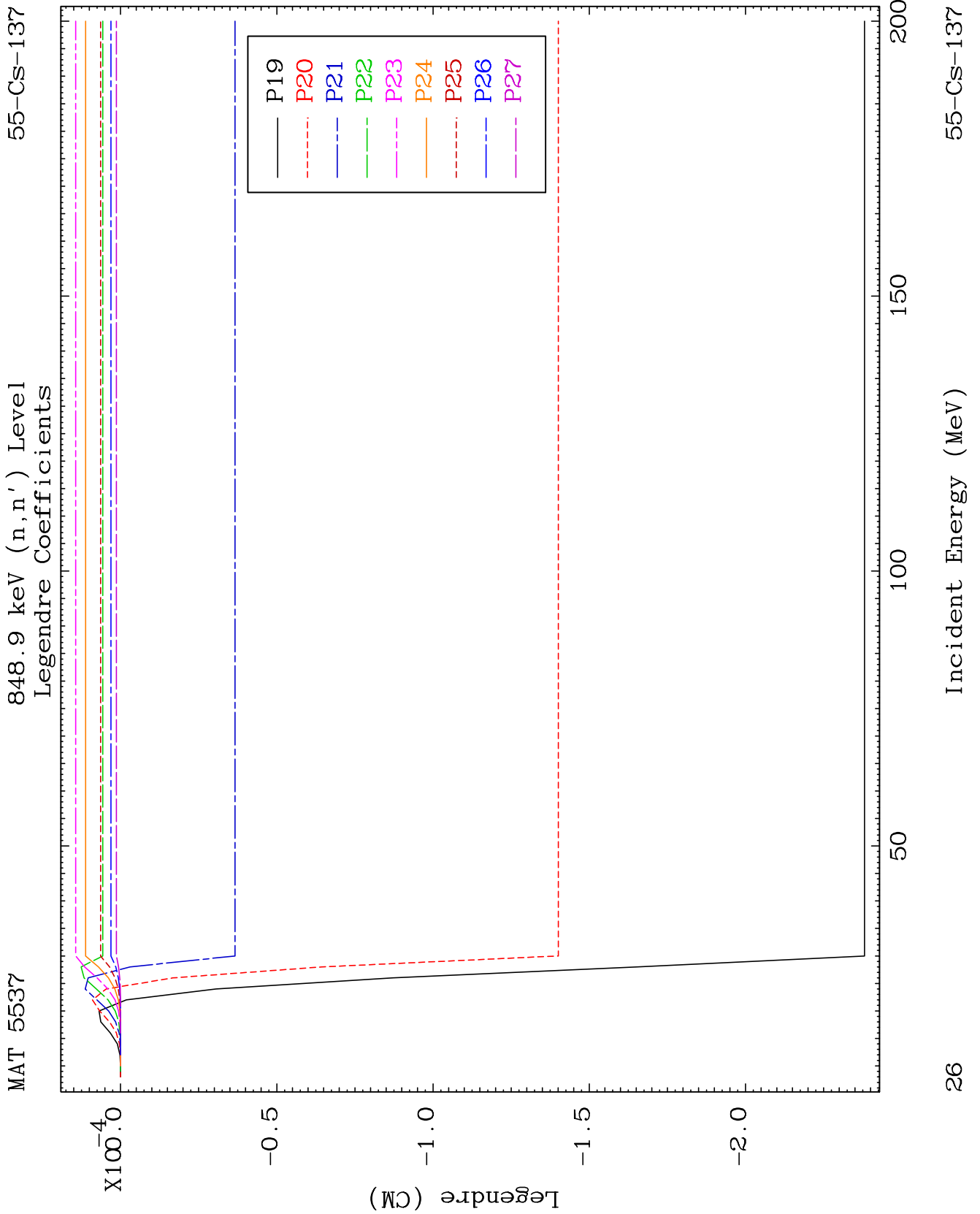
55-Cs-137



24

Incident Energy (MeV)

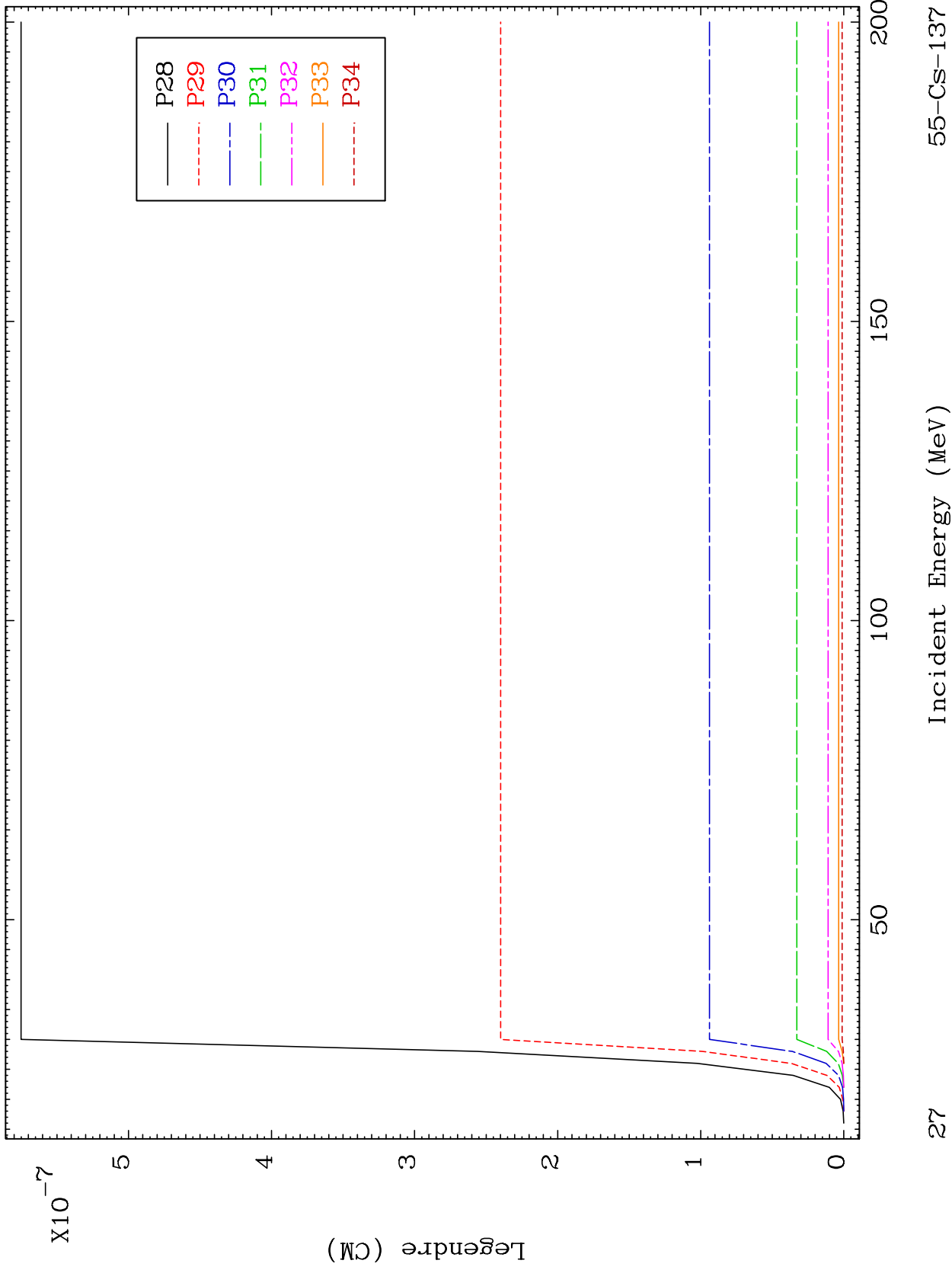
55-Cs-137

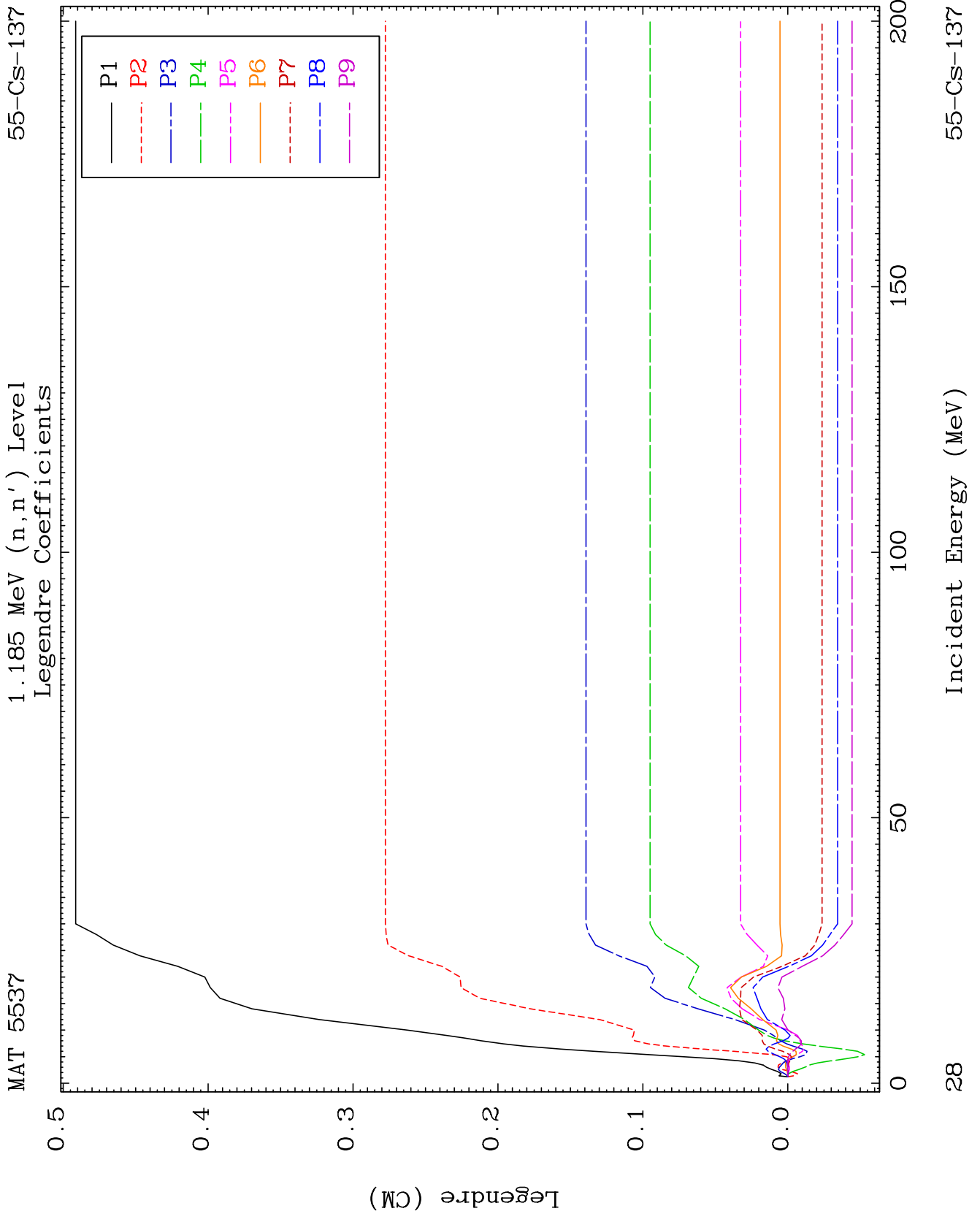


MAT 5537

848.9 keV (n,n') Level
Legendre Coefficients

55-Cs-137

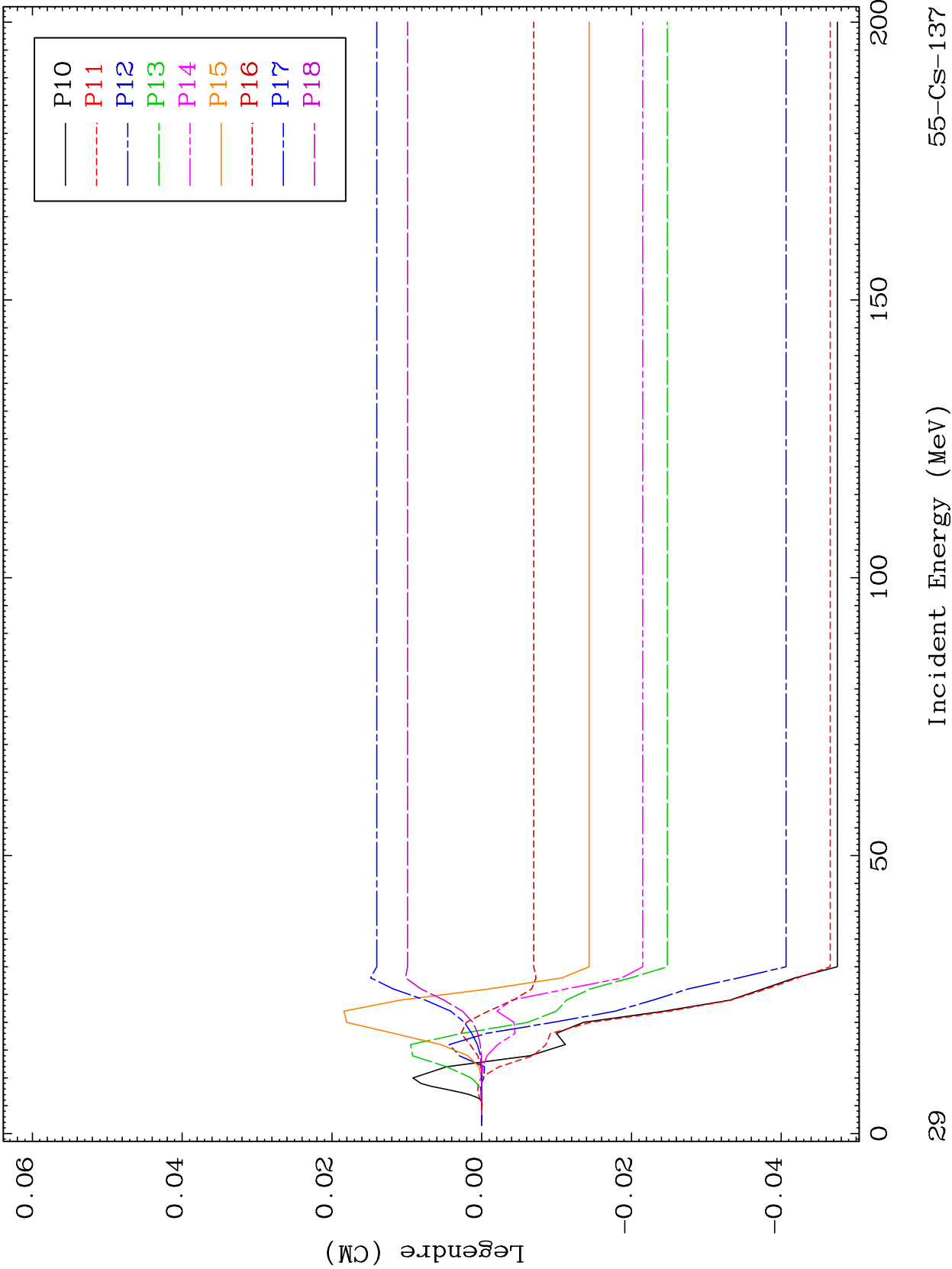




MAT 5537

1.185 MeV (n,n') Level
Legendre Coefficients

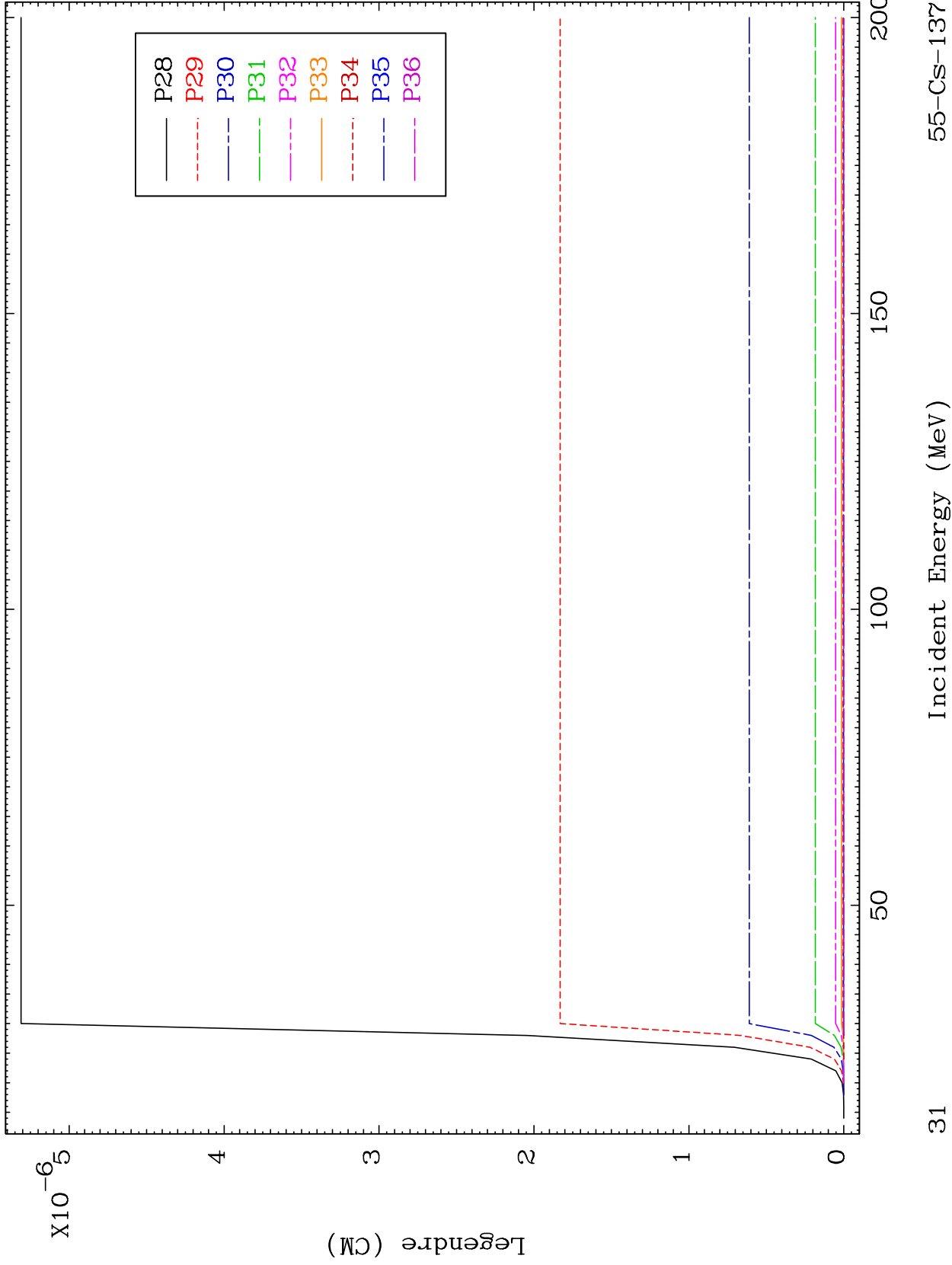
55-Cs-137



MAT 5537

1.185 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



31

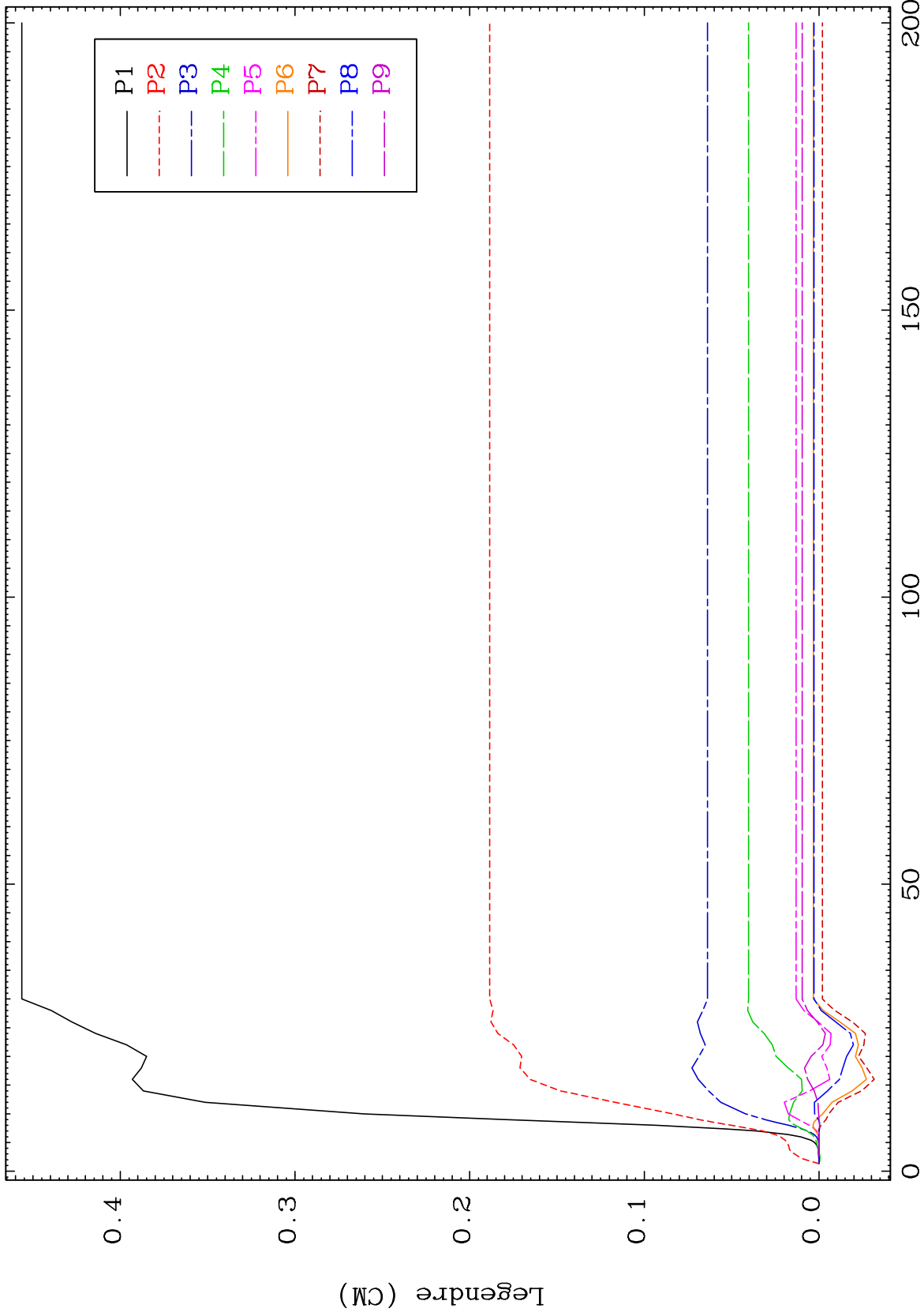
Incident Energy (MeV)

55-Cs-137

MAT 5537

1.273 MeV (n,n') Level
Legendre Coefficients

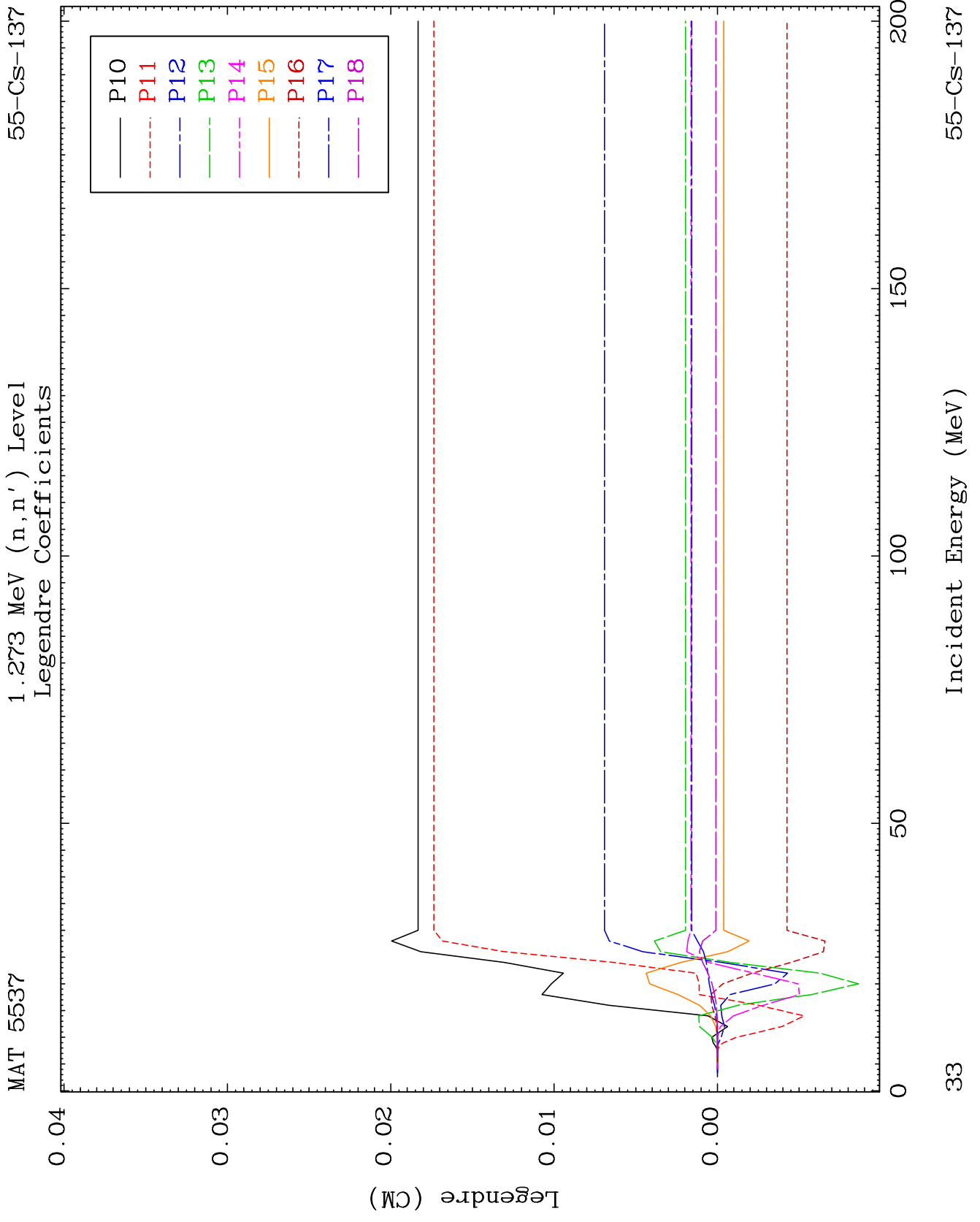
55-Cs-137



55-Cs-137

Incident Energy (MeV)

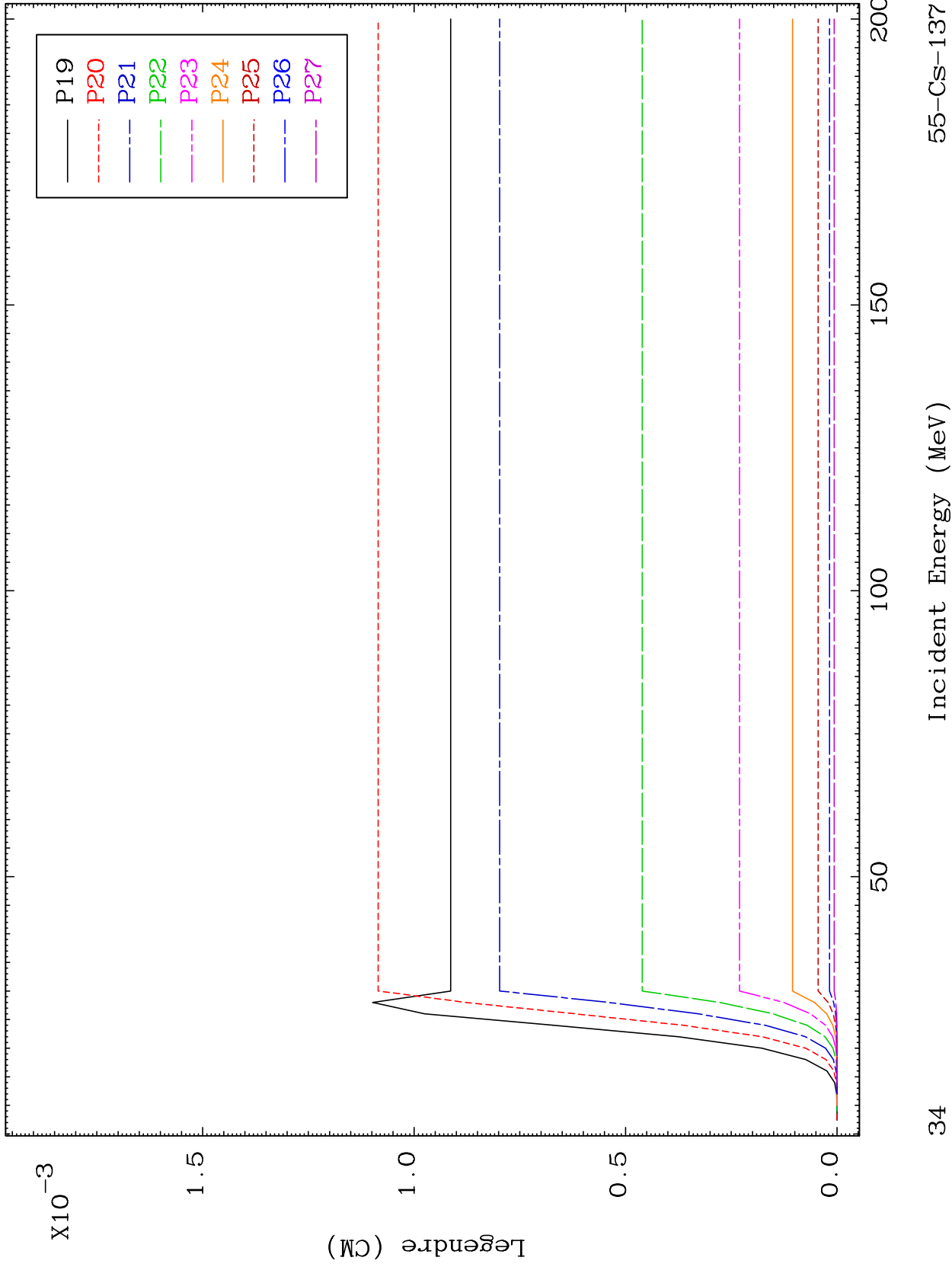
32



MAT 5537

1.273 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



34

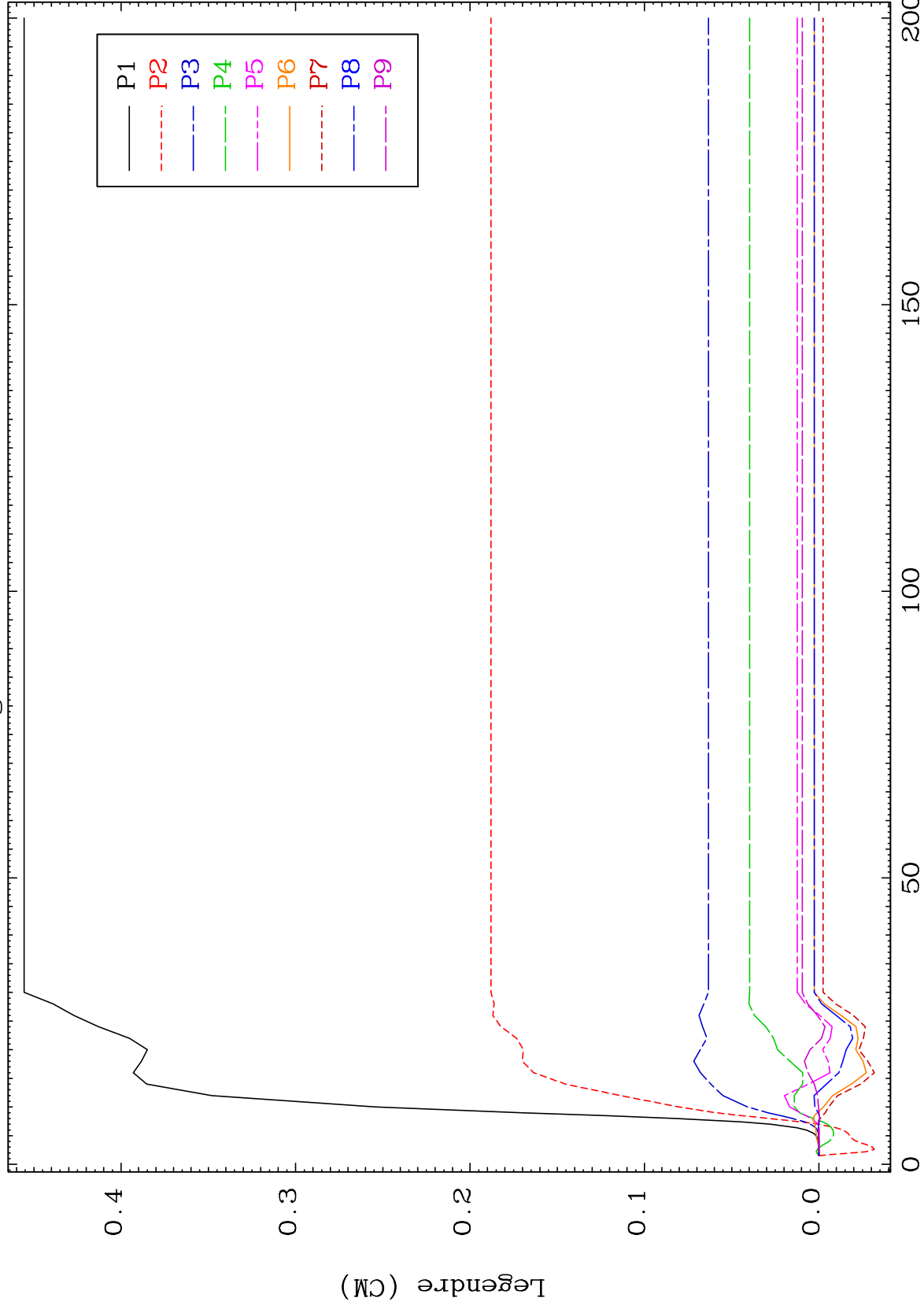
Incident Energy (MeV)

55-Cs-137

MAT 5537

1.490 MeV (n,n') Level
Legendre Coefficients

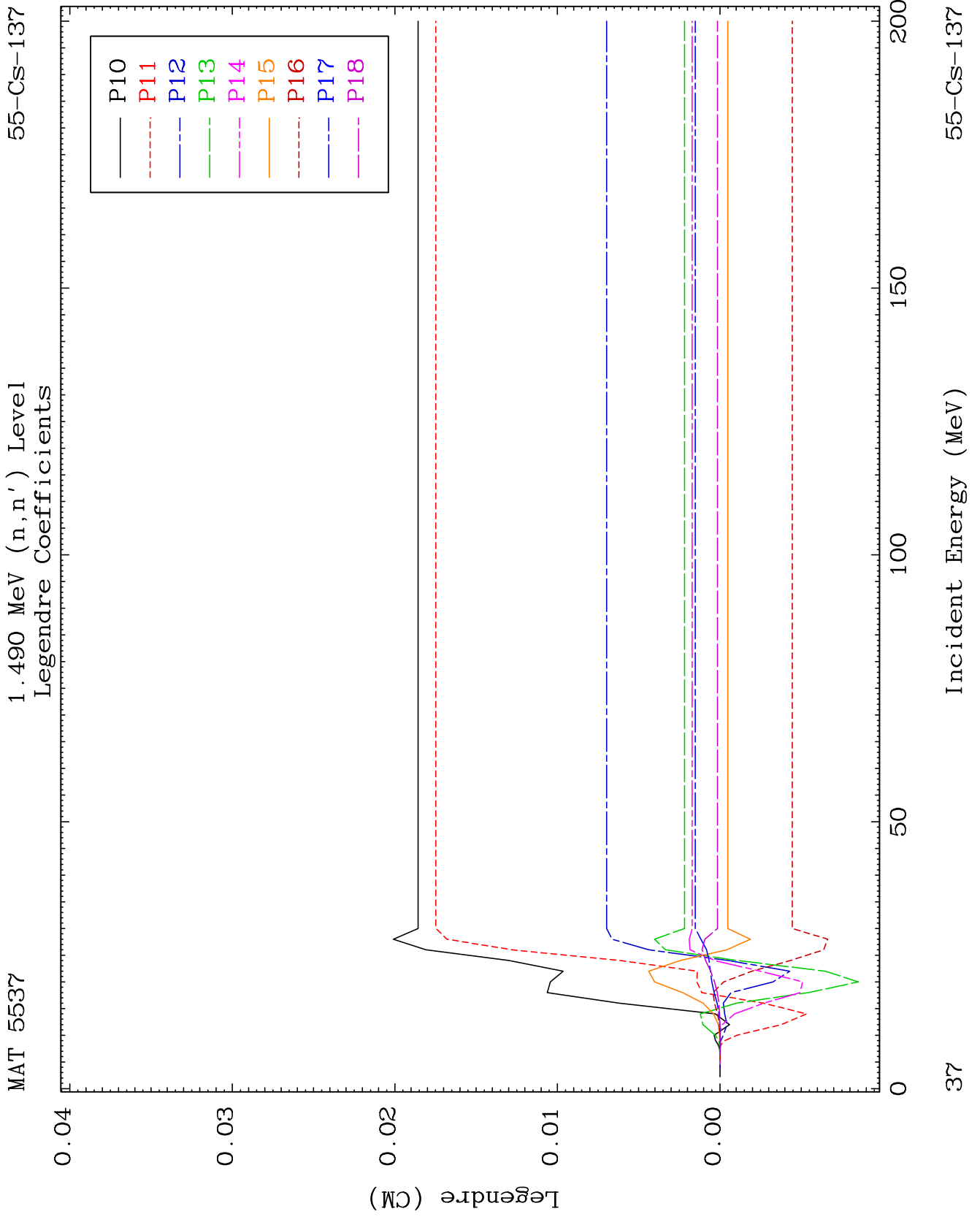
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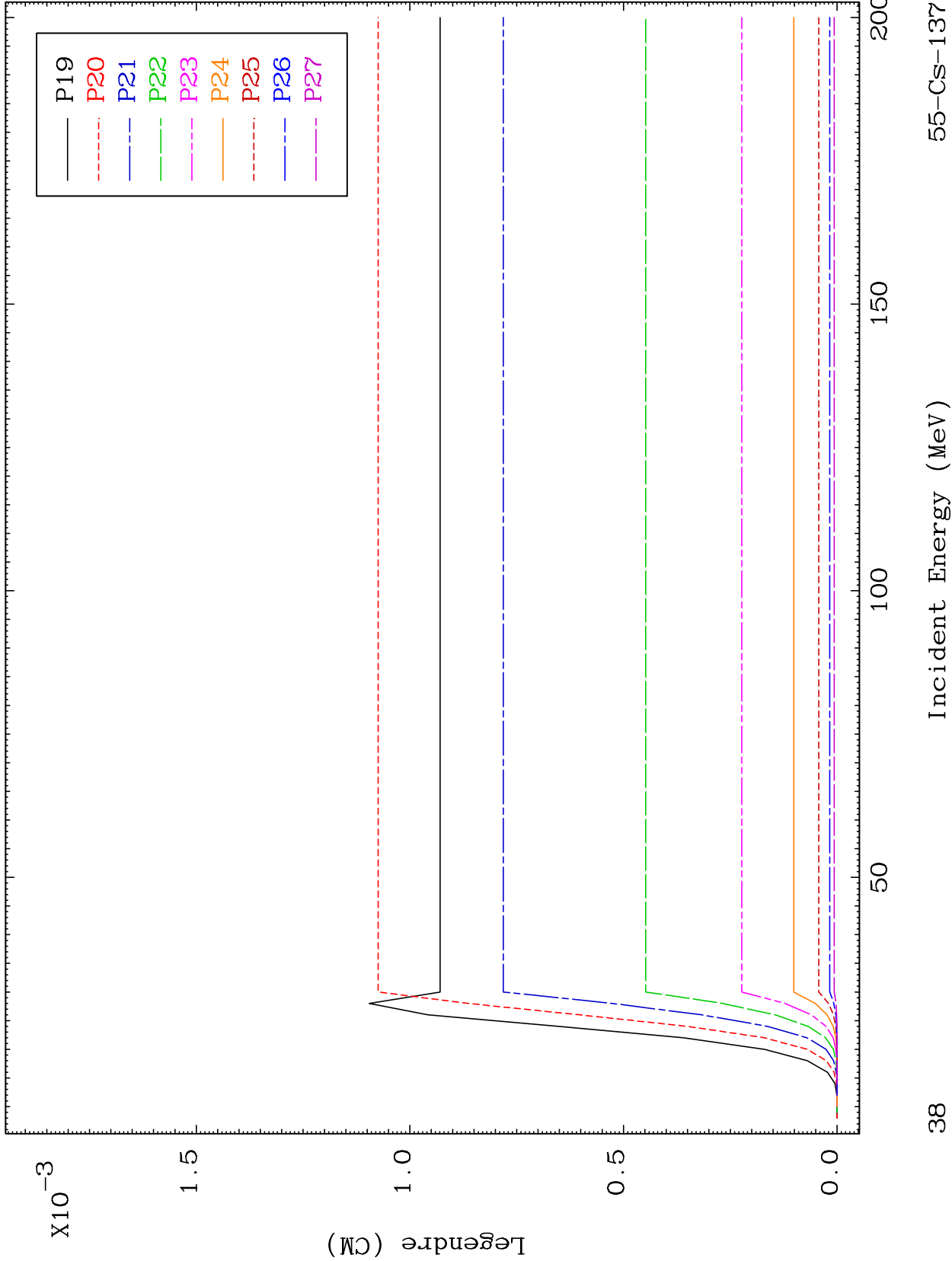


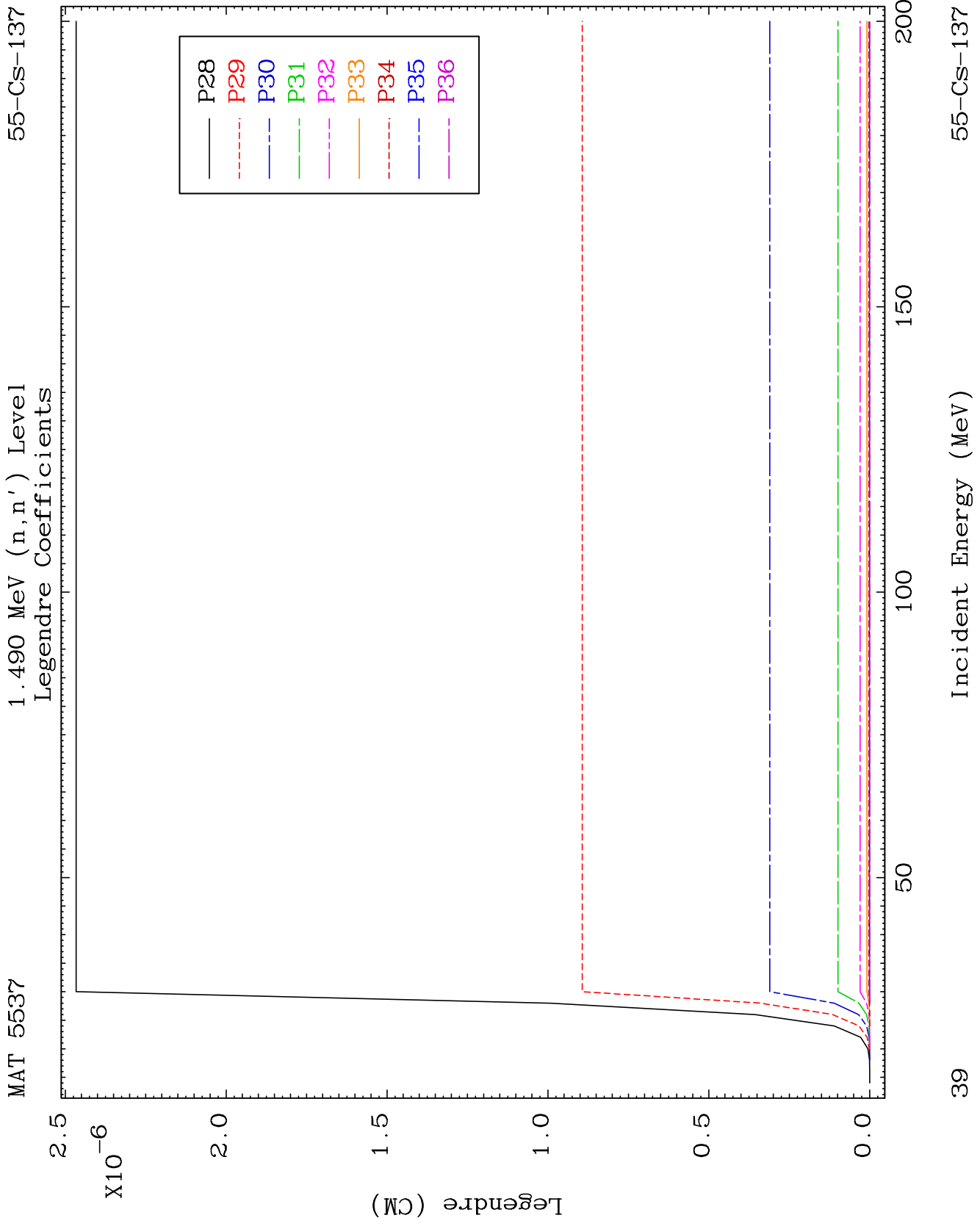
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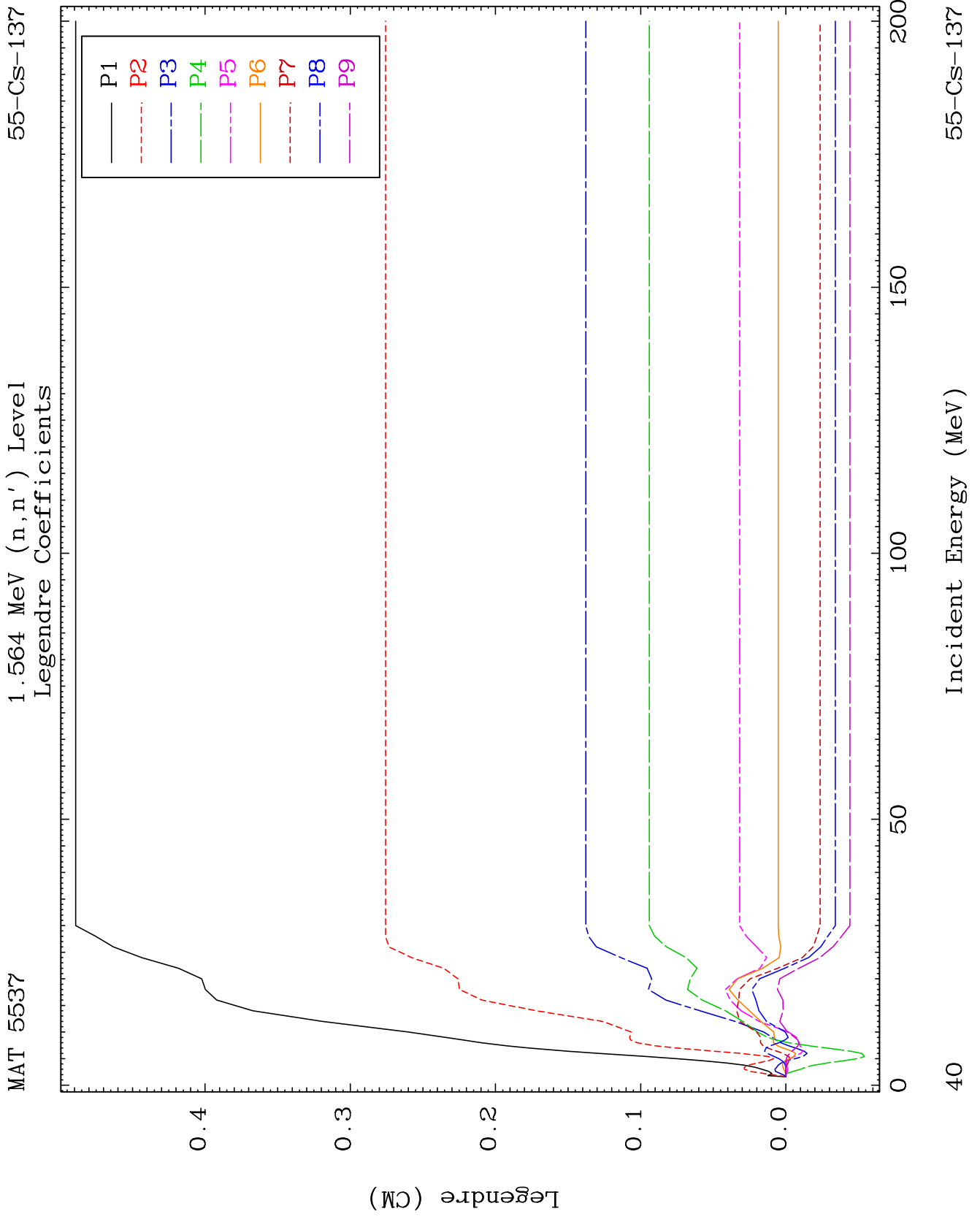
Incident Energy (MeV)

36





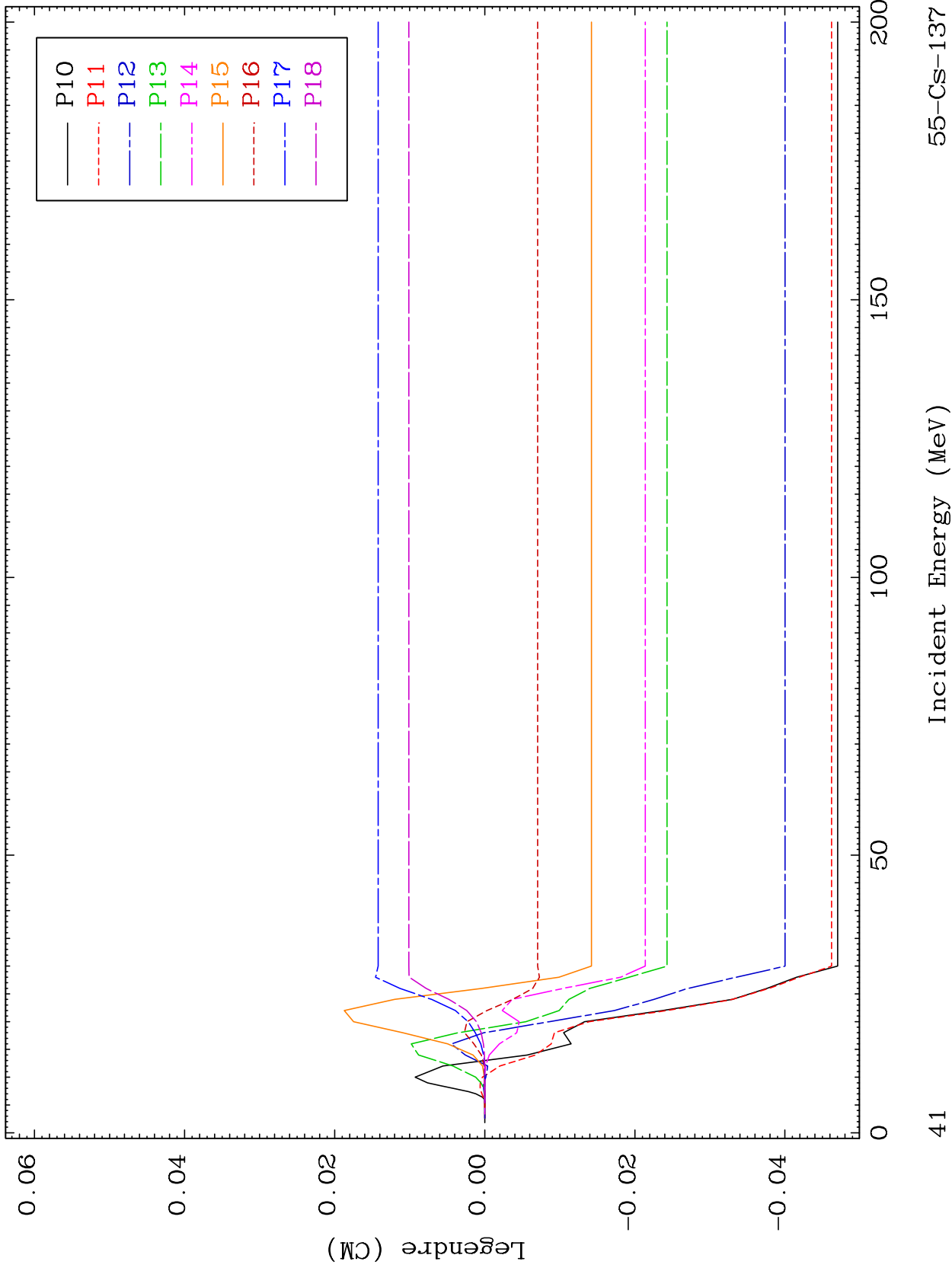




MAT 5537

1.564 MeV (n,n') Level
Legendre Coefficients

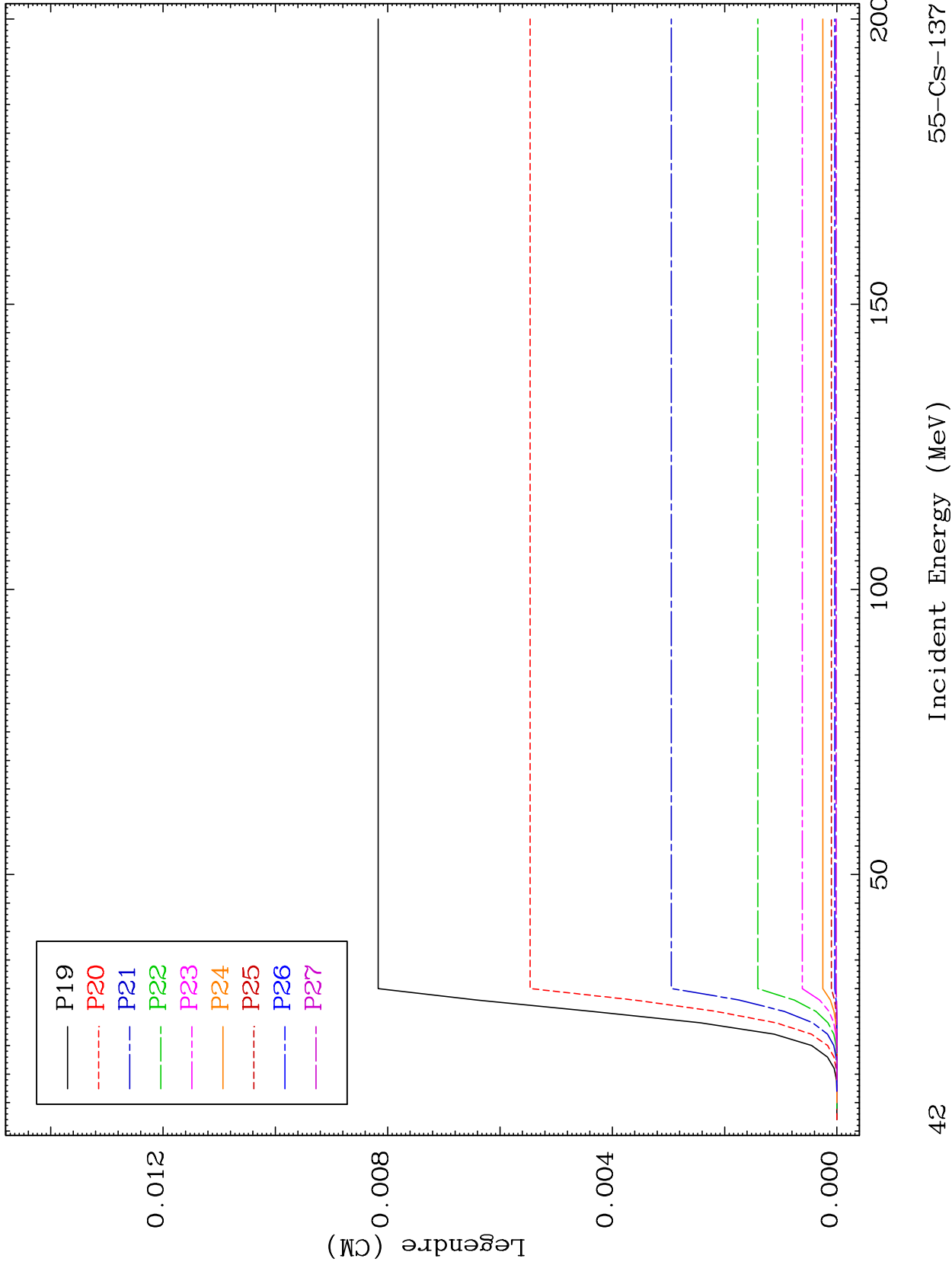
55-Cs-137



MAT 5537

1.564 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



42

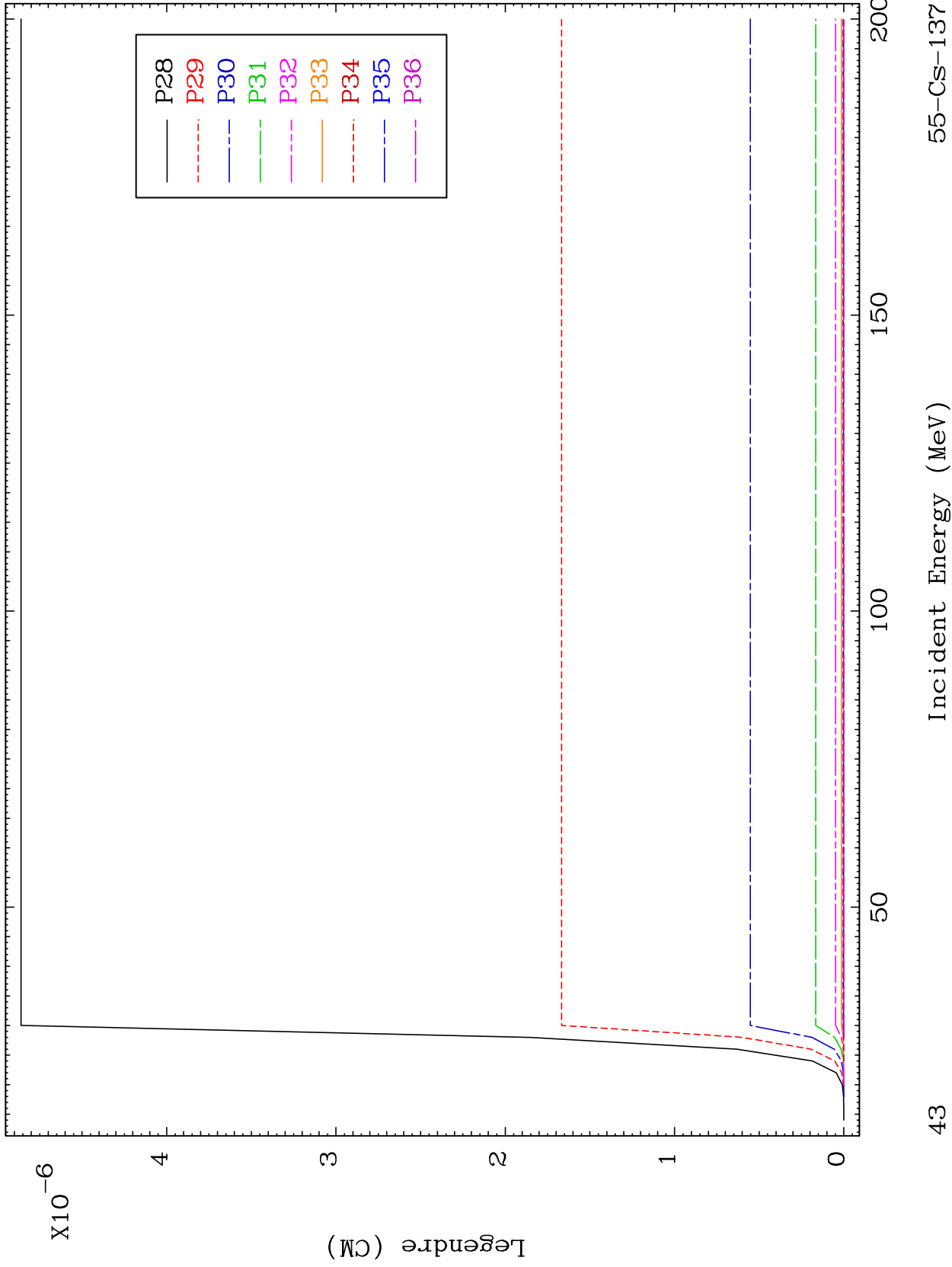
Incident Energy (MeV)

55-Cs-137

MAT 5537

1.564 MeV (n, n') Level
Legendre Coefficients

55-Cs-137



43

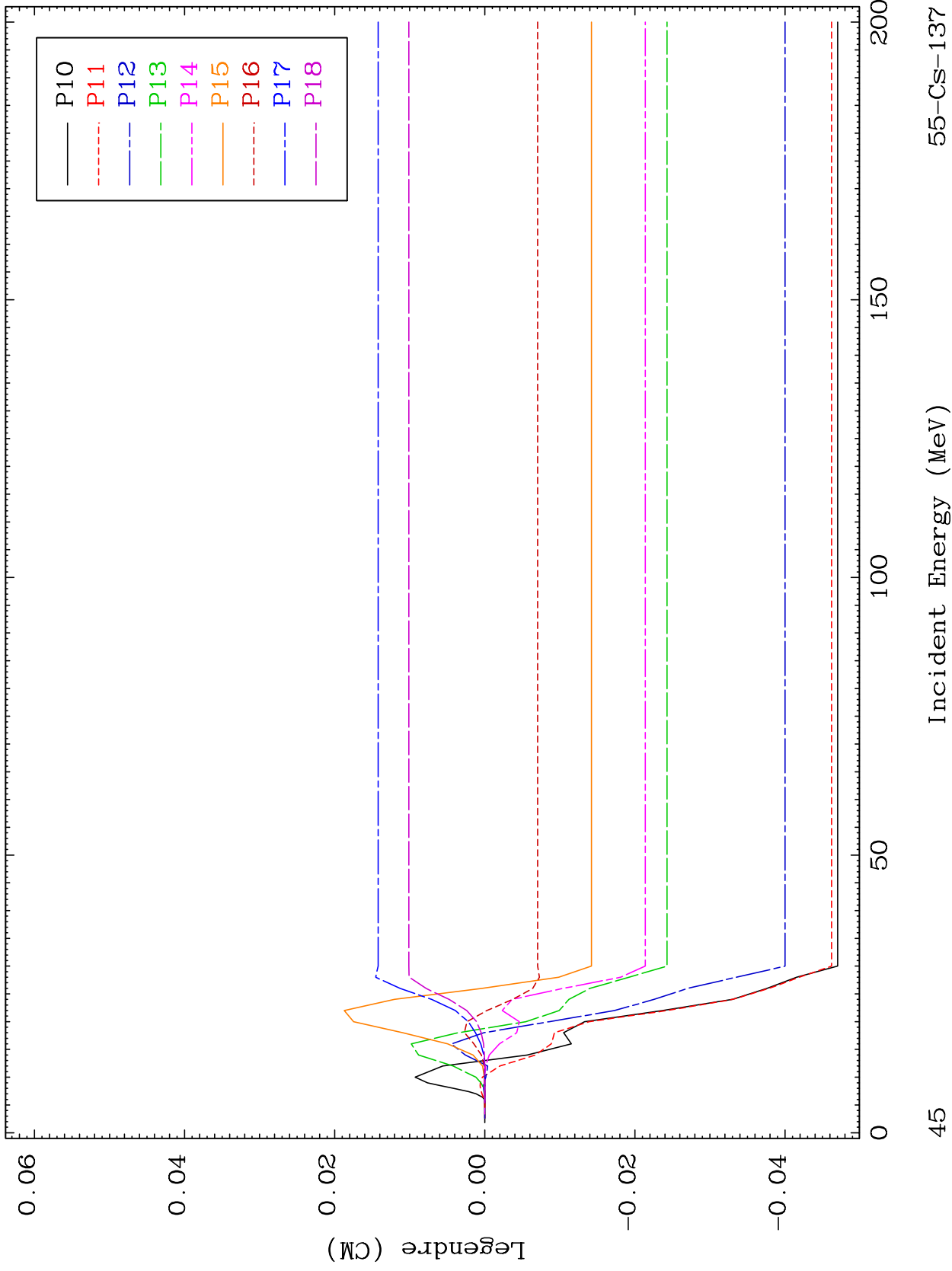
Incident Energy (MeV)

55-Cs-137

MAT 5537

1.570 MeV (n,n') Level
Legendre Coefficients

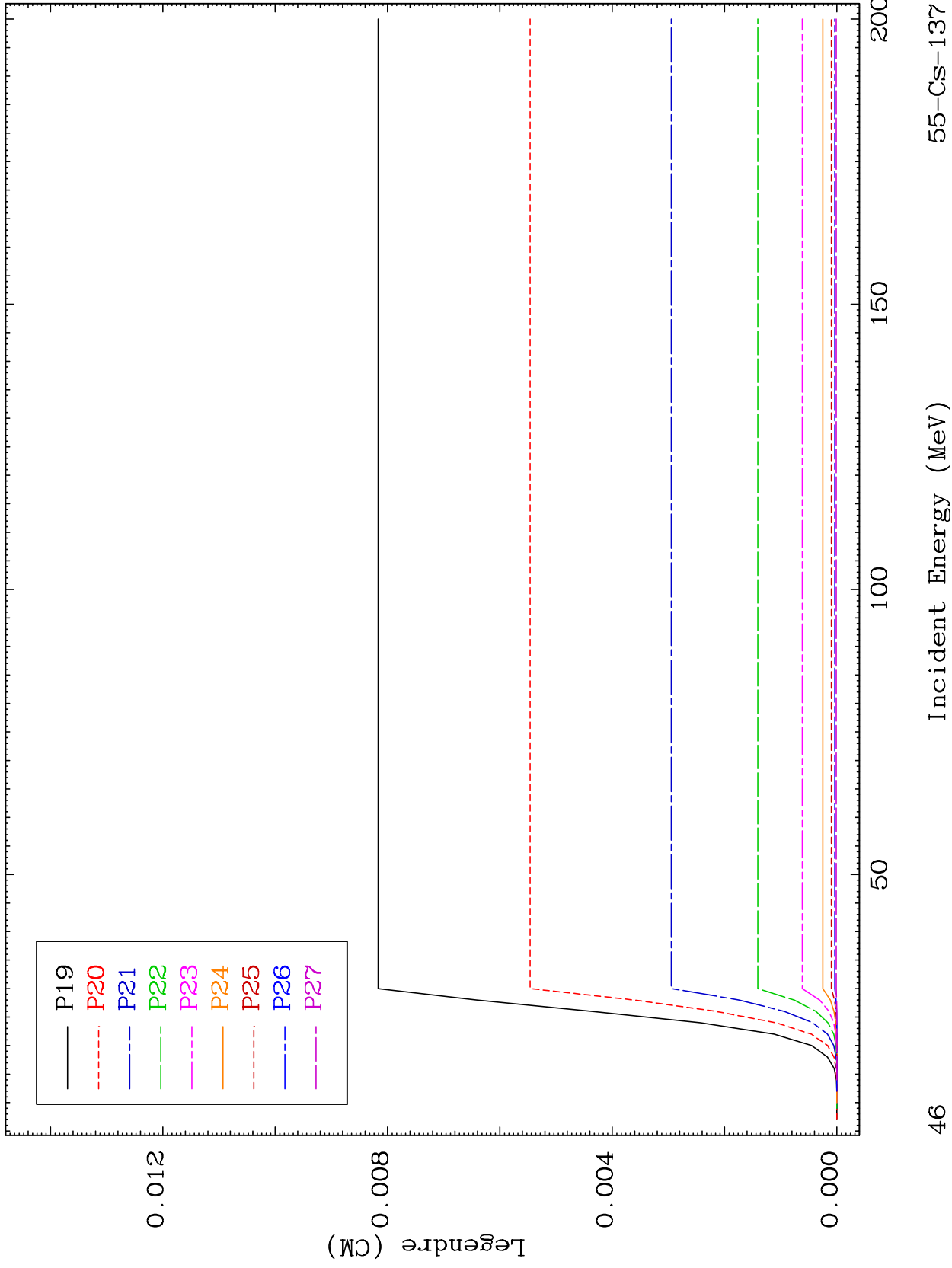
55-Cs-137



MAT 5537

1.570 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



46

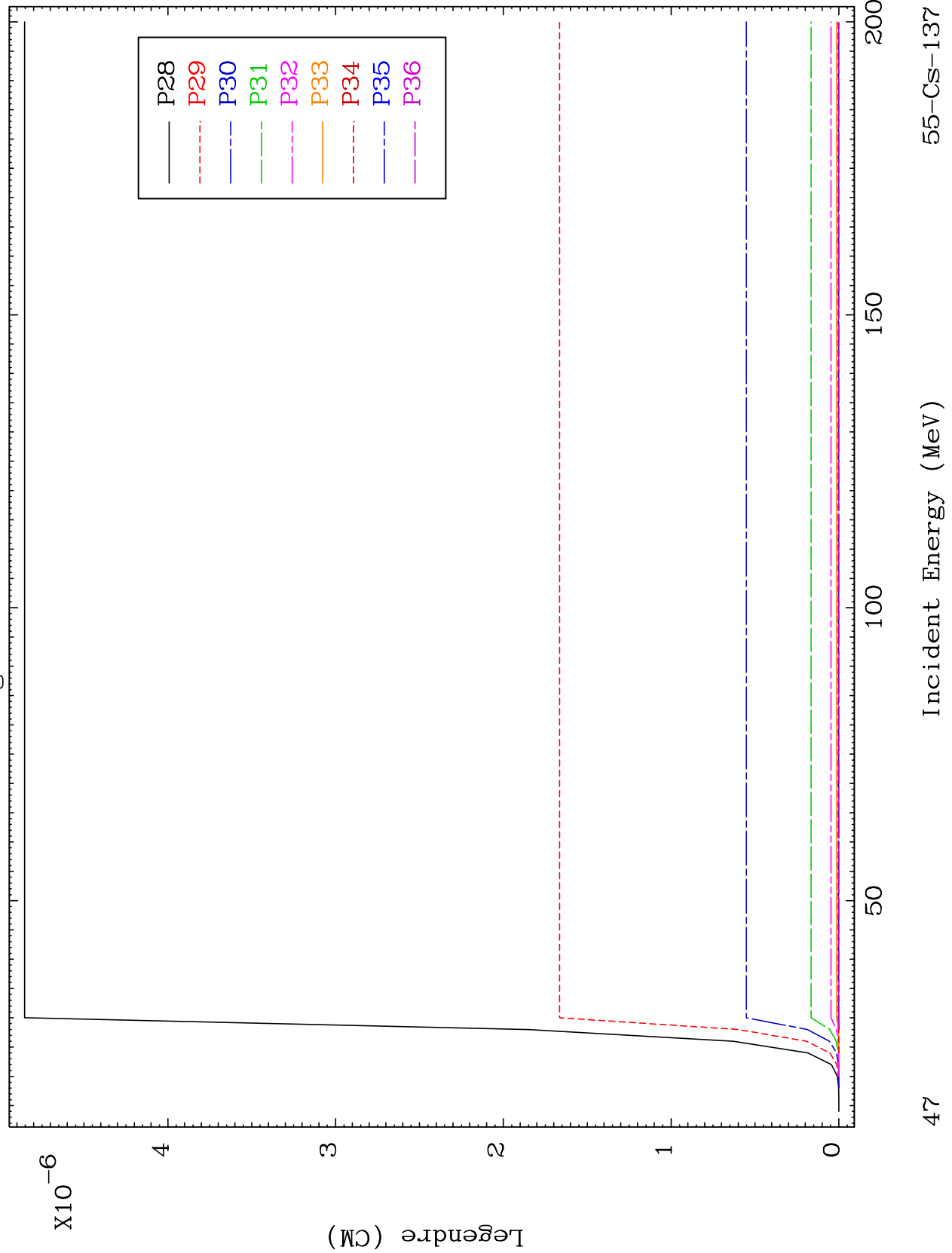
Incident Energy (MeV)

55-Cs-137

MAT 5537

1.570 MeV (n, n') Level
Legendre Coefficients

55-Cs-137



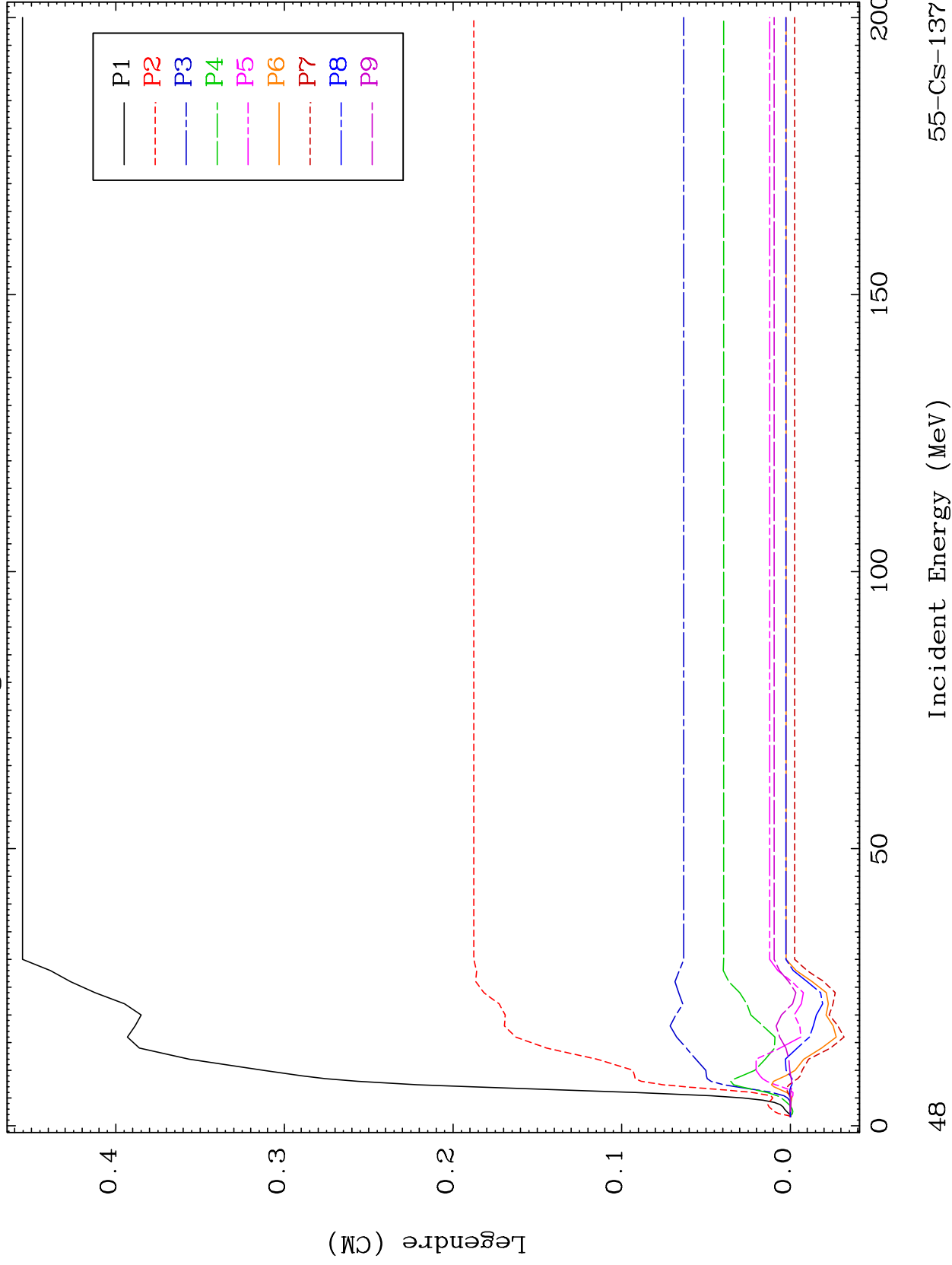
47

55-Cs-137

MAT 5537

1.575 MeV (n, n') Level
Legendre Coefficients

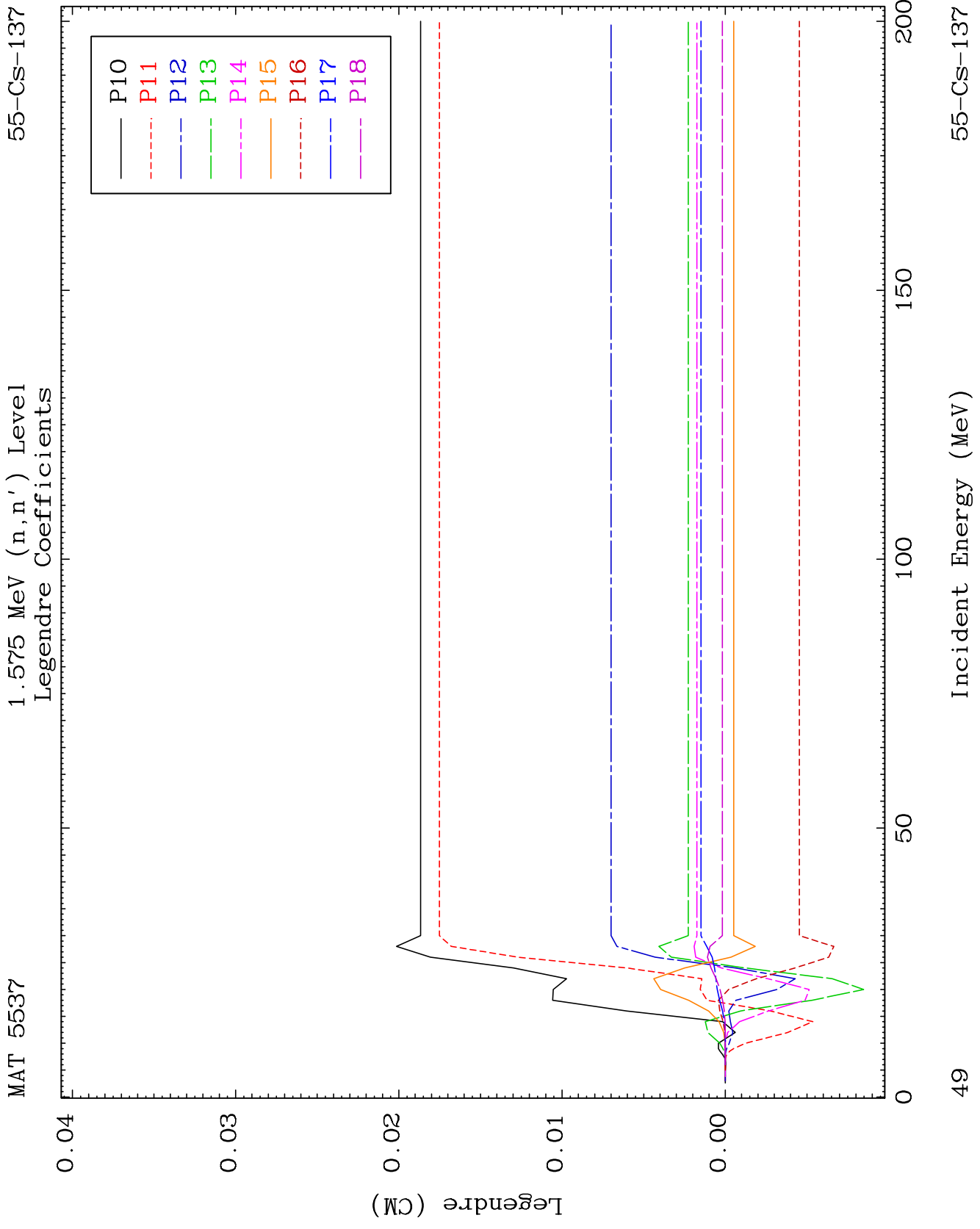
55-Cs-137

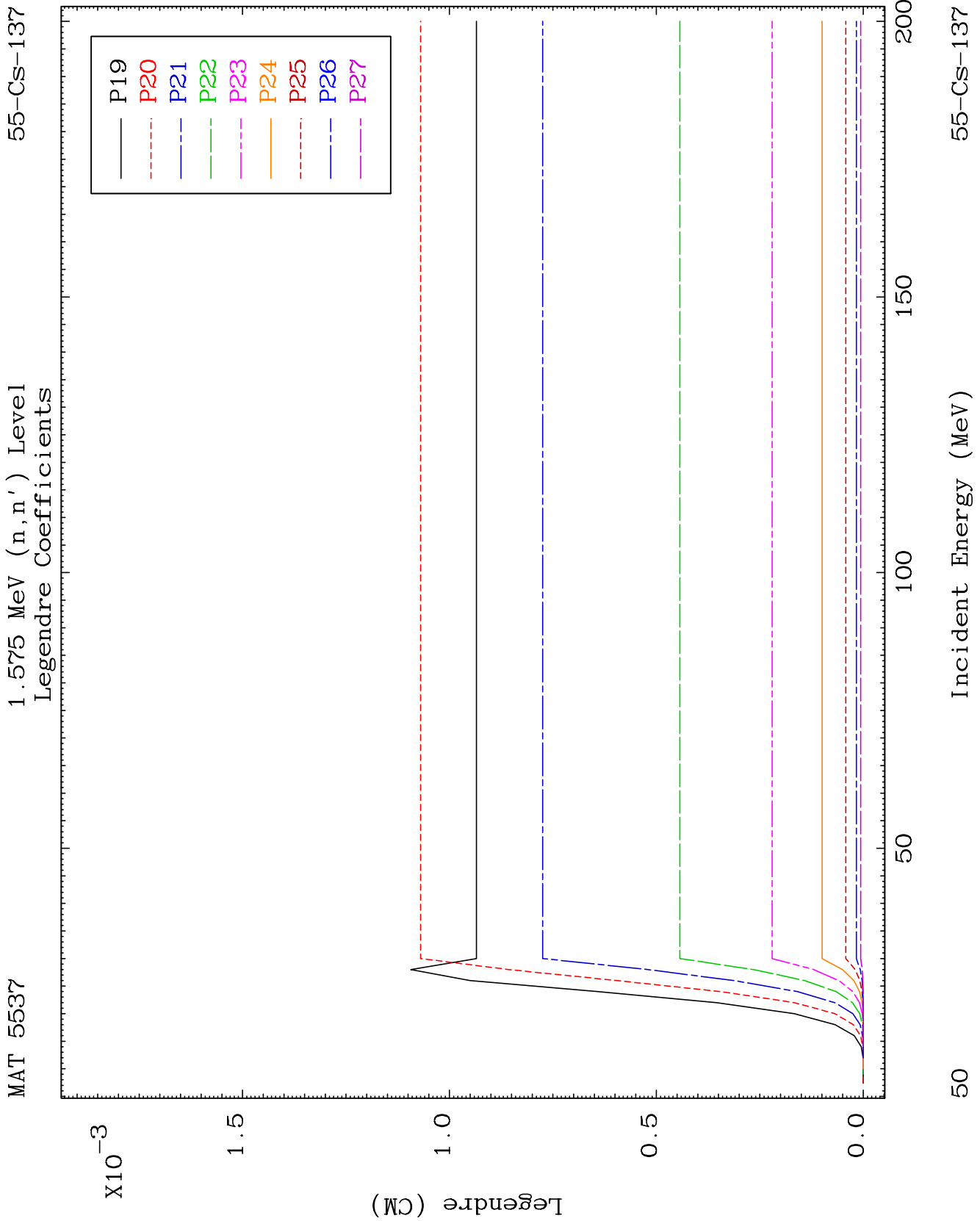


55-Cs-137

Incident Energy (MeV)

48

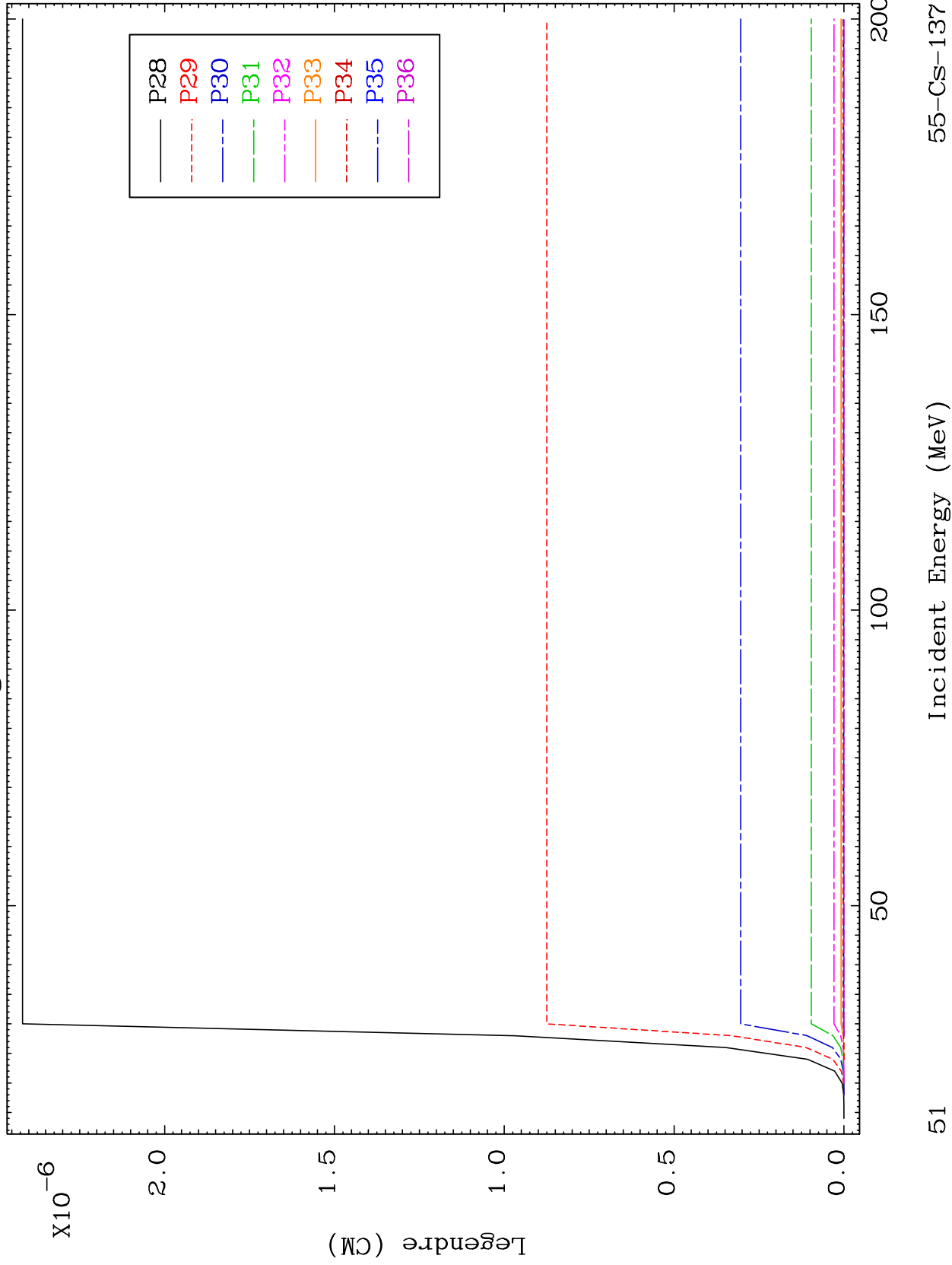




MAT 5537

1.575 MeV (n, n') Level
Legendre Coefficients

55-Cs-137

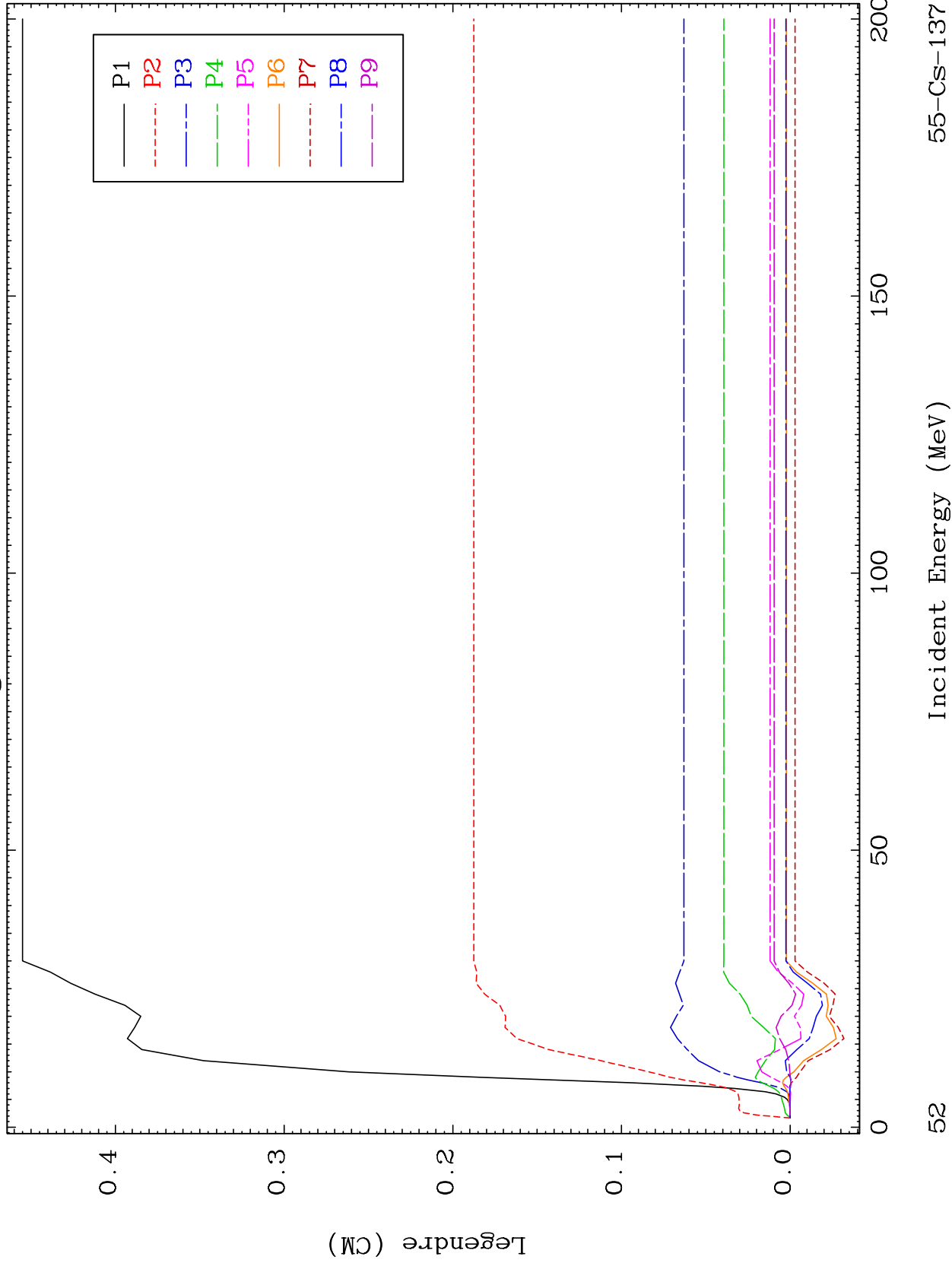


51

MAT 5537

1.651 MeV (n,n') Level
Legendre Coefficients

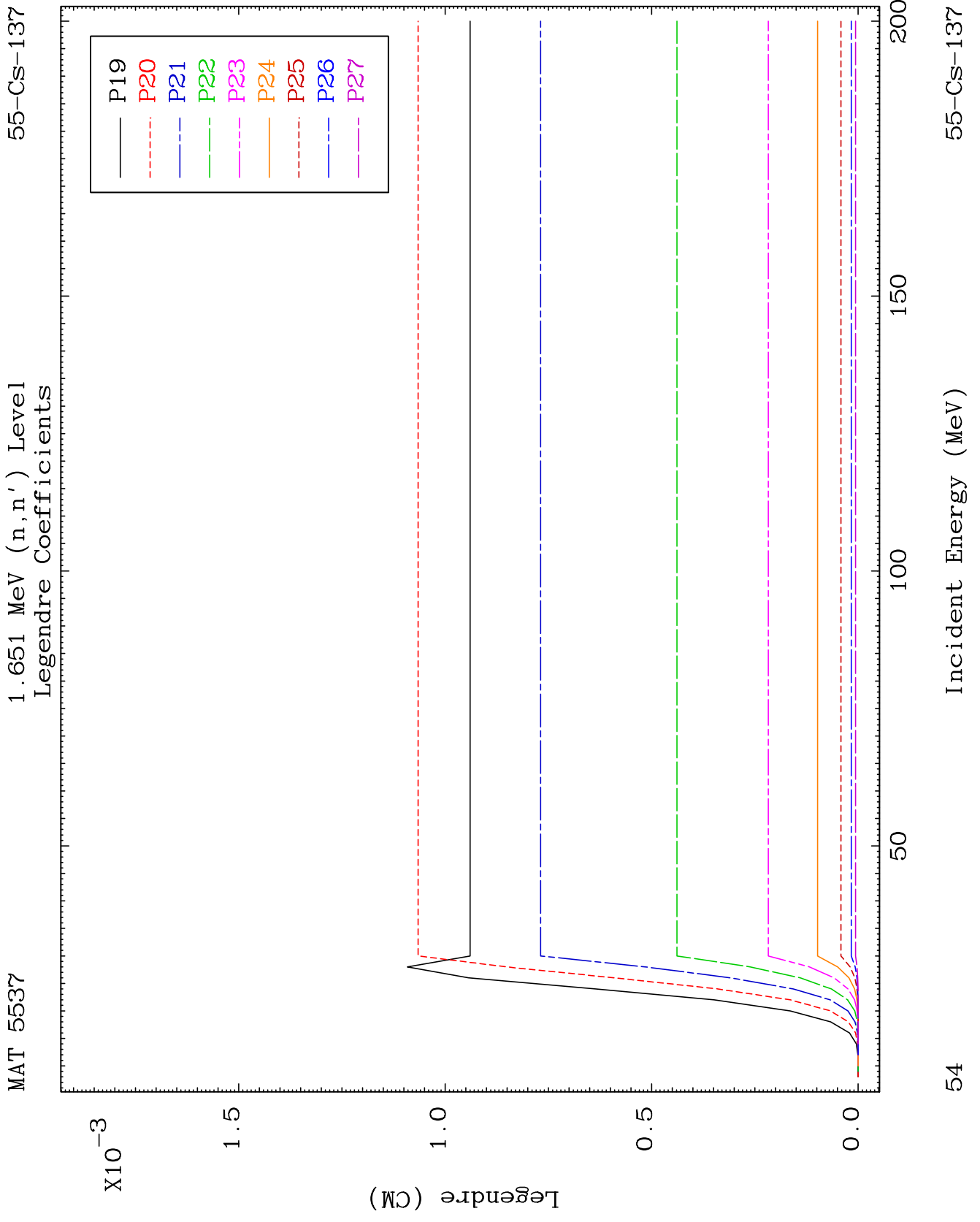
55-Cs-137



55-Cs-137

Incident Energy (MeV)

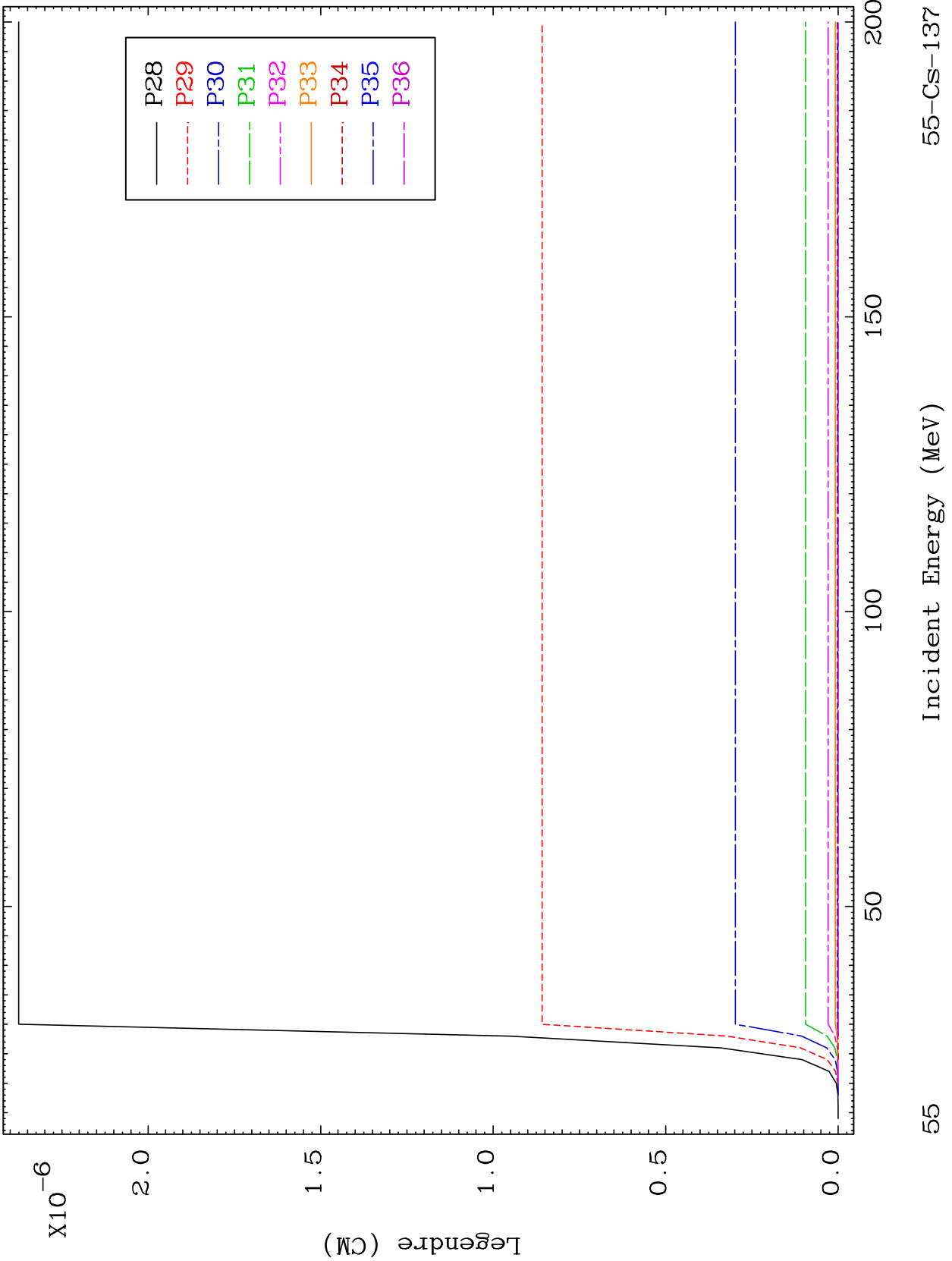
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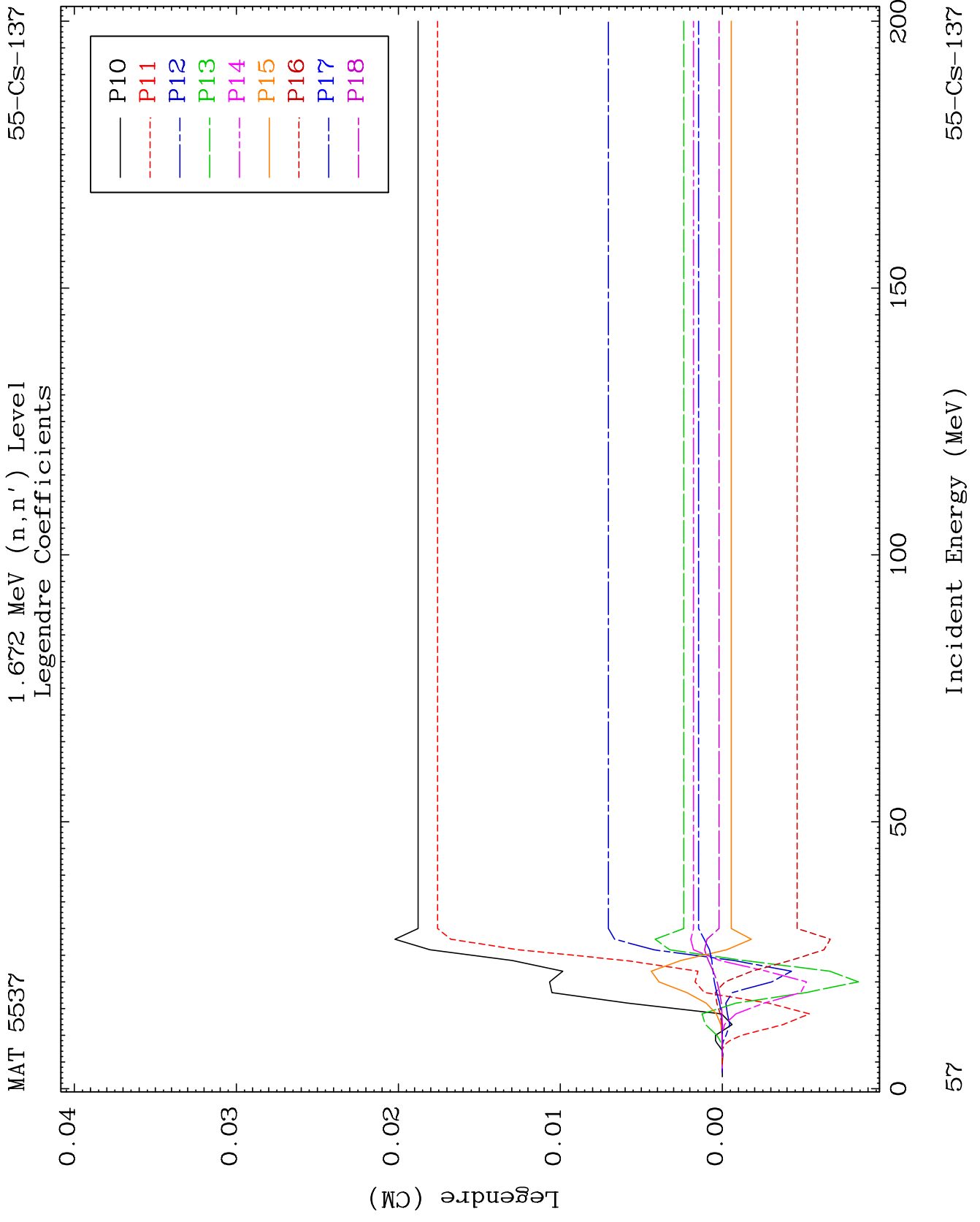
MAT 5537

1.651 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



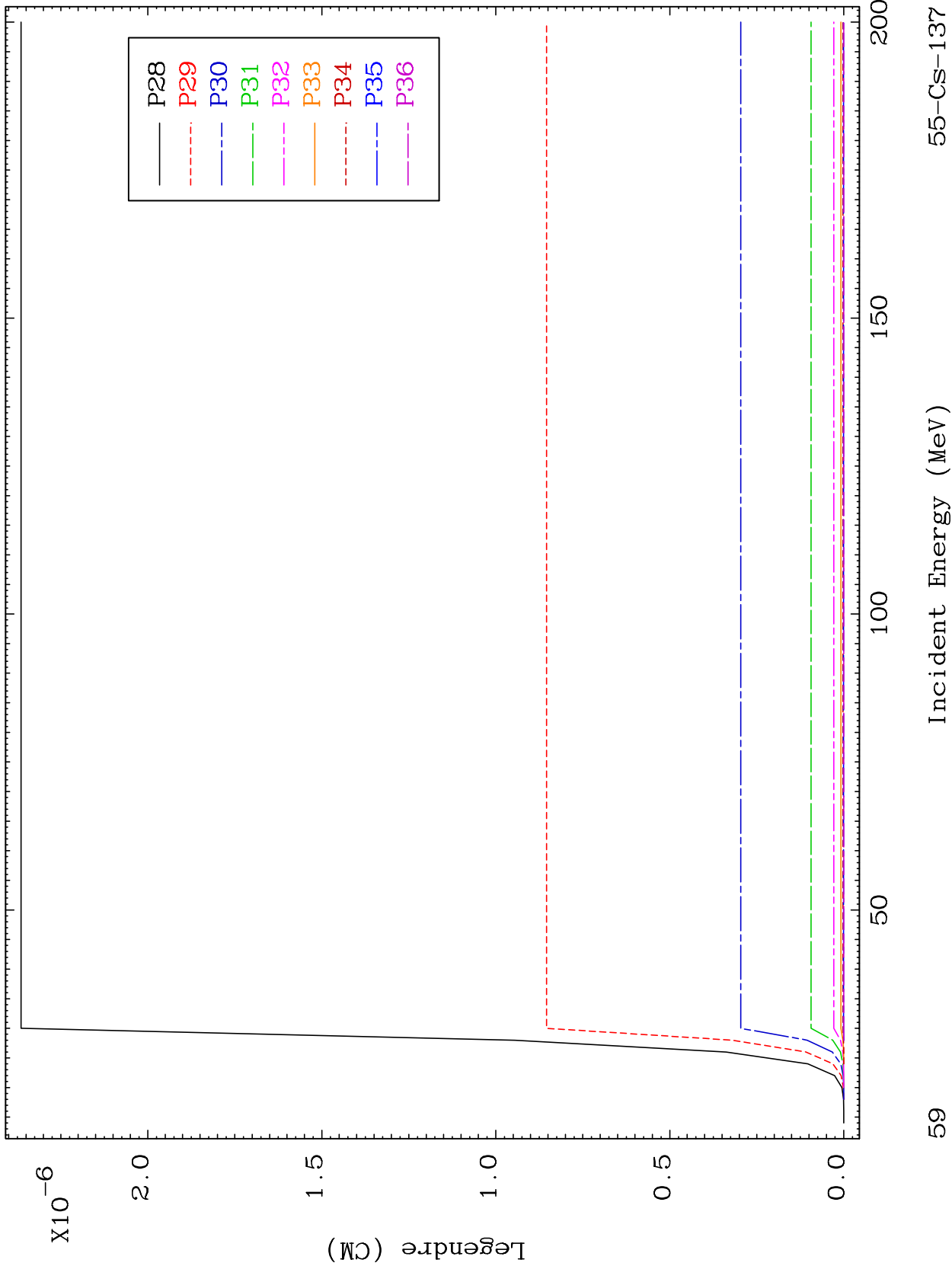
55-Cs-137



MAT 5537

1.672 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



59

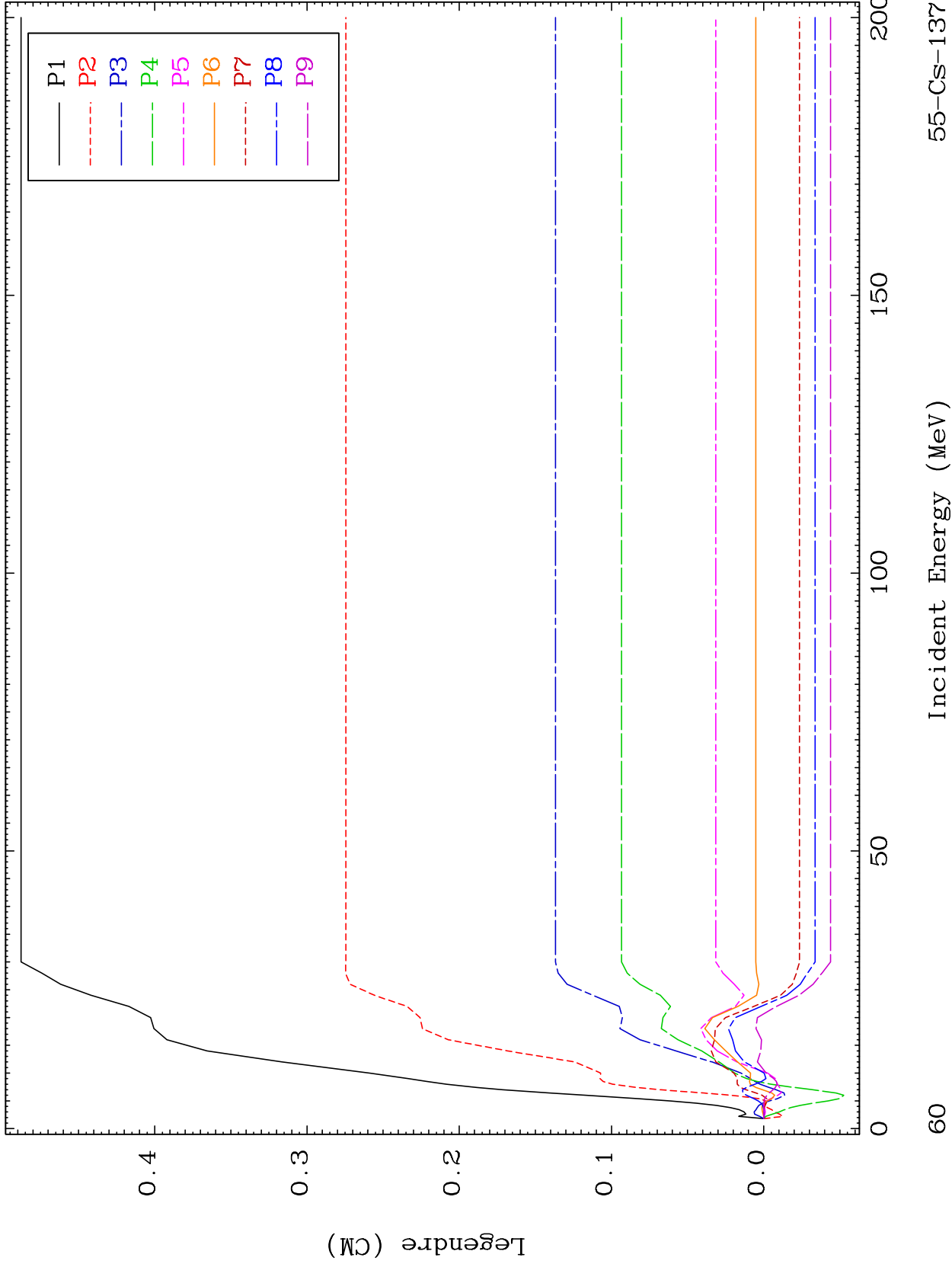
Incident Energy (MeV)

55-Cs-137

MAT 5537

1.783 MeV (n,n') Level
Legendre Coefficients

55-Cs-137

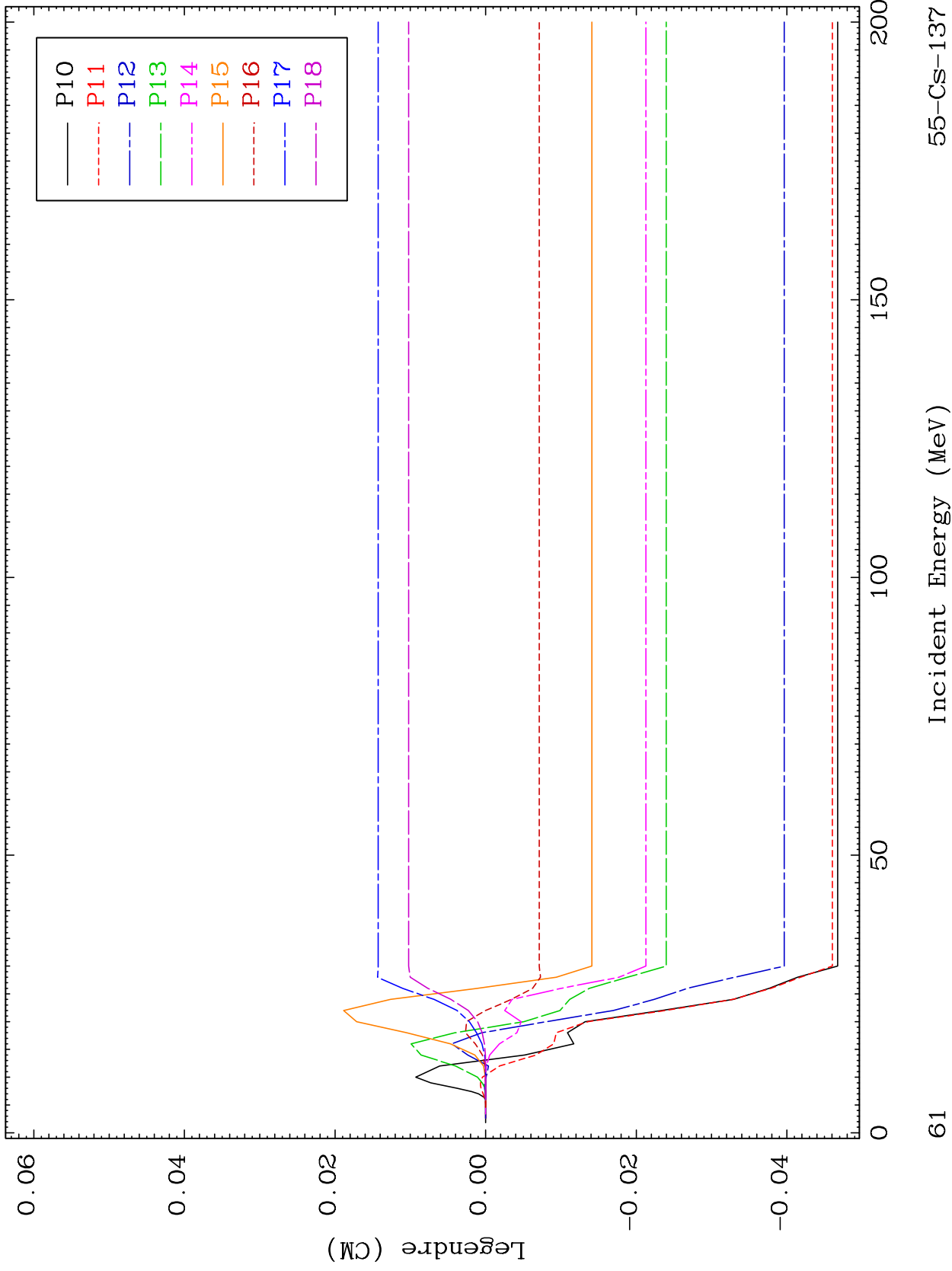


55-Cs-137

MAT 5537

1.783 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



55-Cs-137

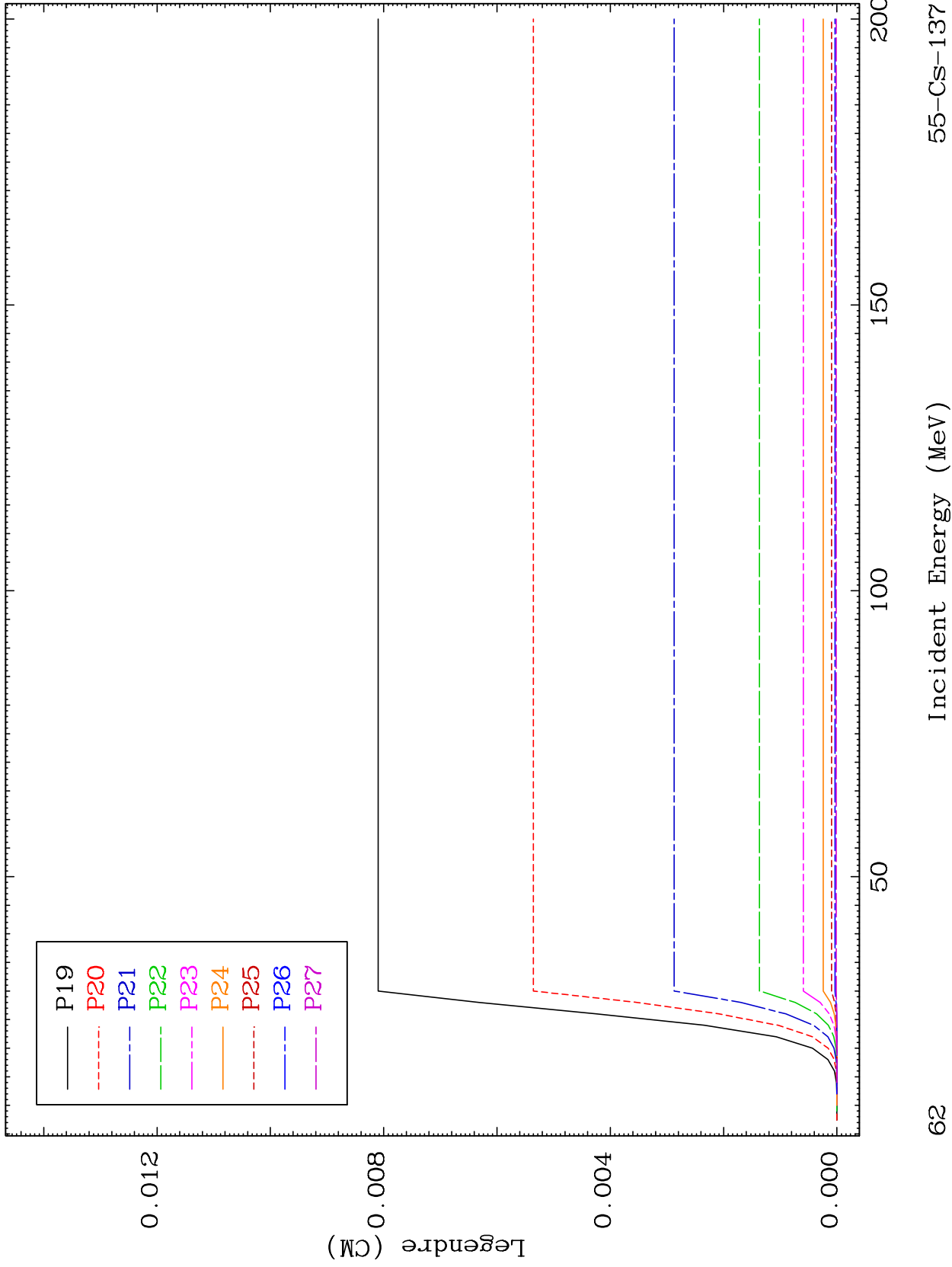
Incident Energy (MeV)

61

MAT 5537

1.783 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



62

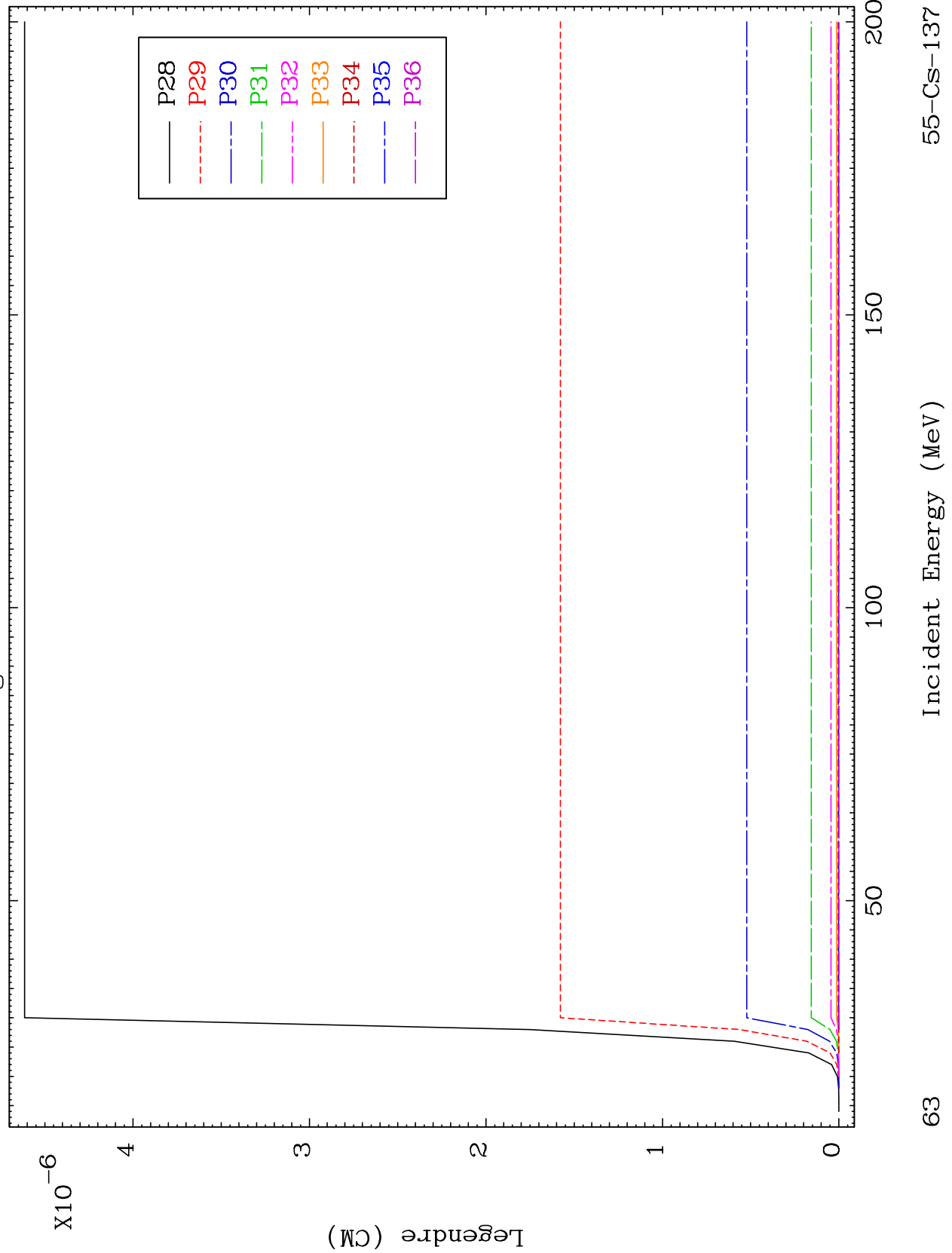
Incident Energy (MeV)

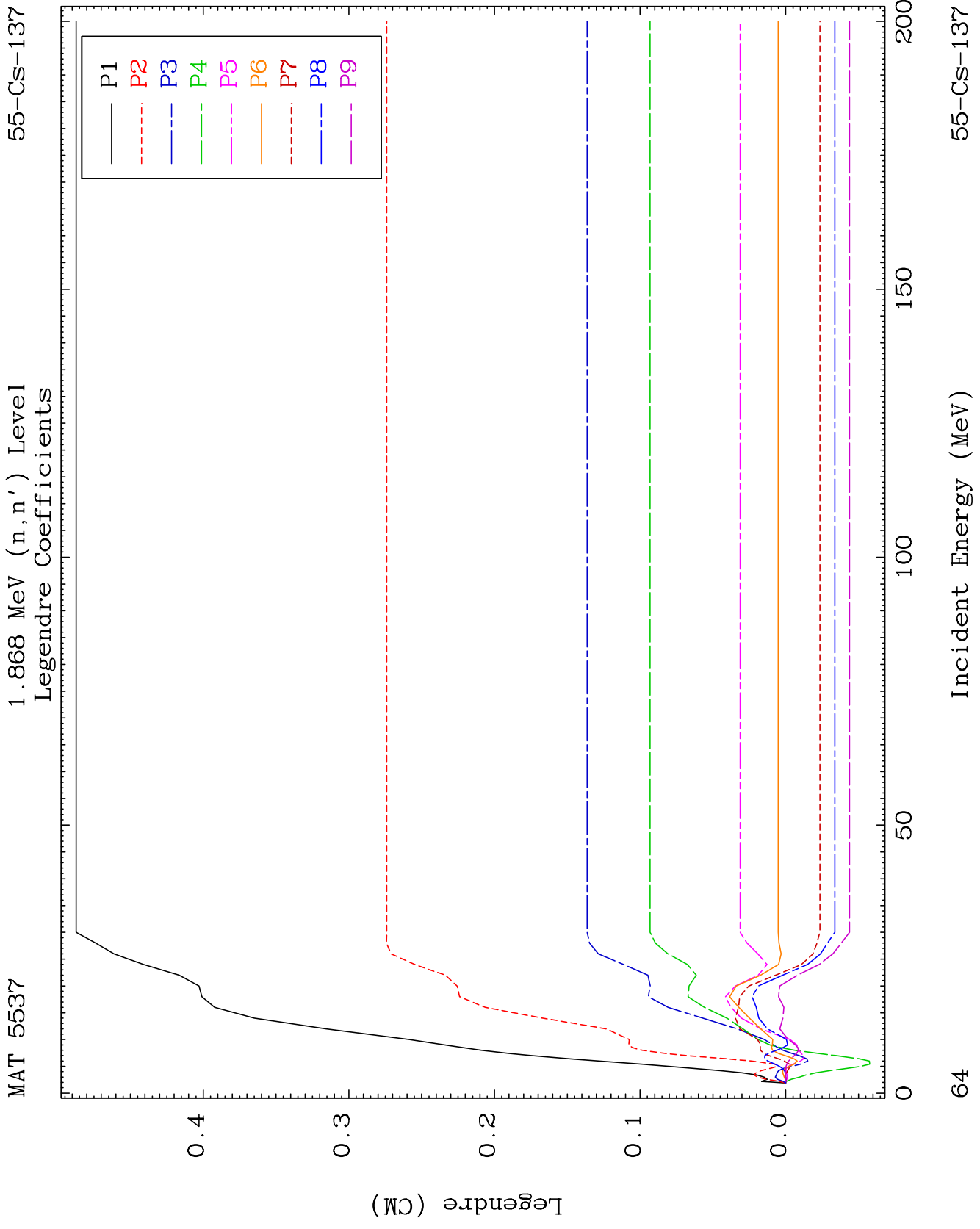
55-Cs-137

MAT 5537

1.783 MeV (n,n') Level
Legendre Coefficients

55-Cs-137

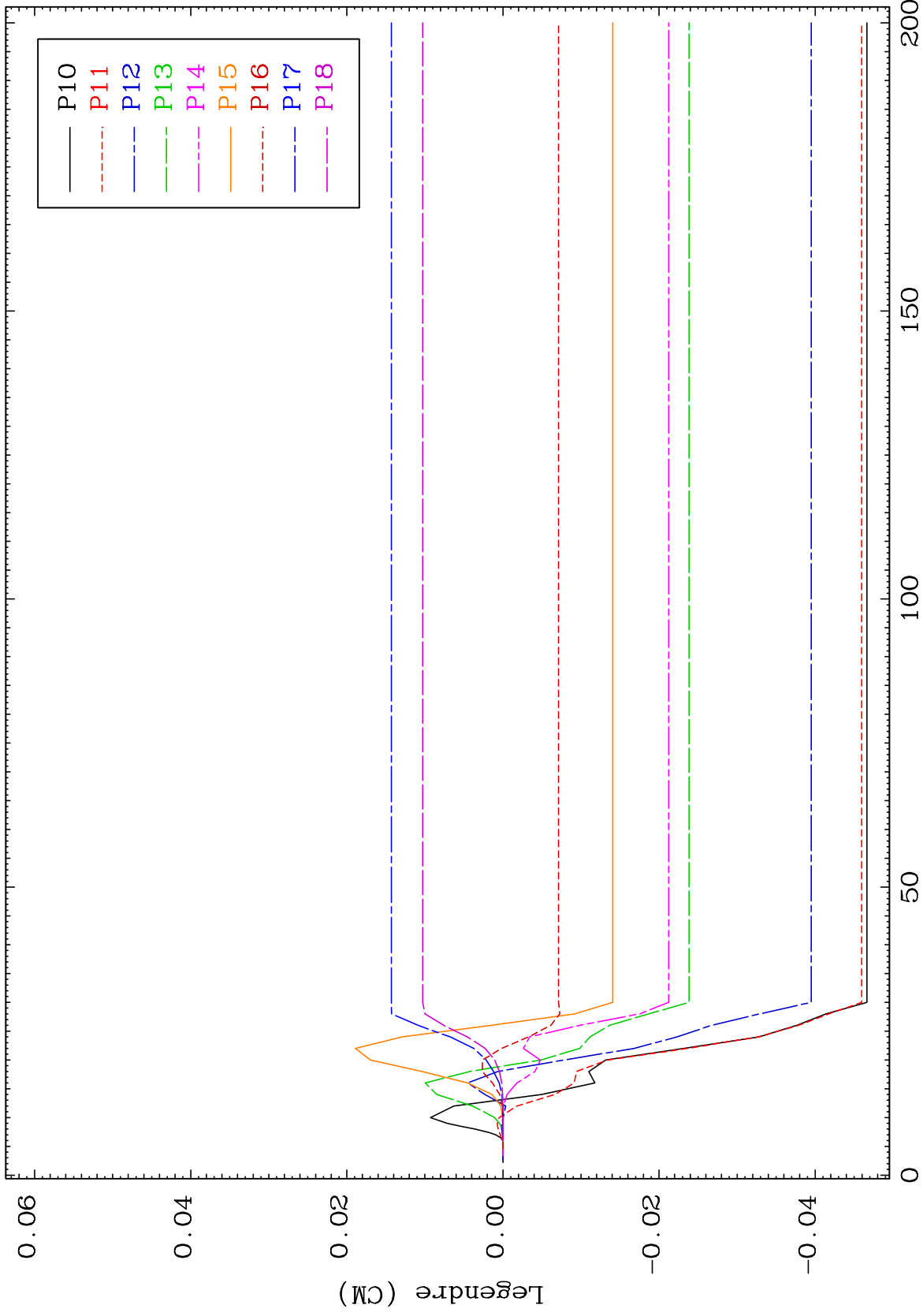




MAT 5537

1.868 MeV (n,n') Level
Legendre Coefficients

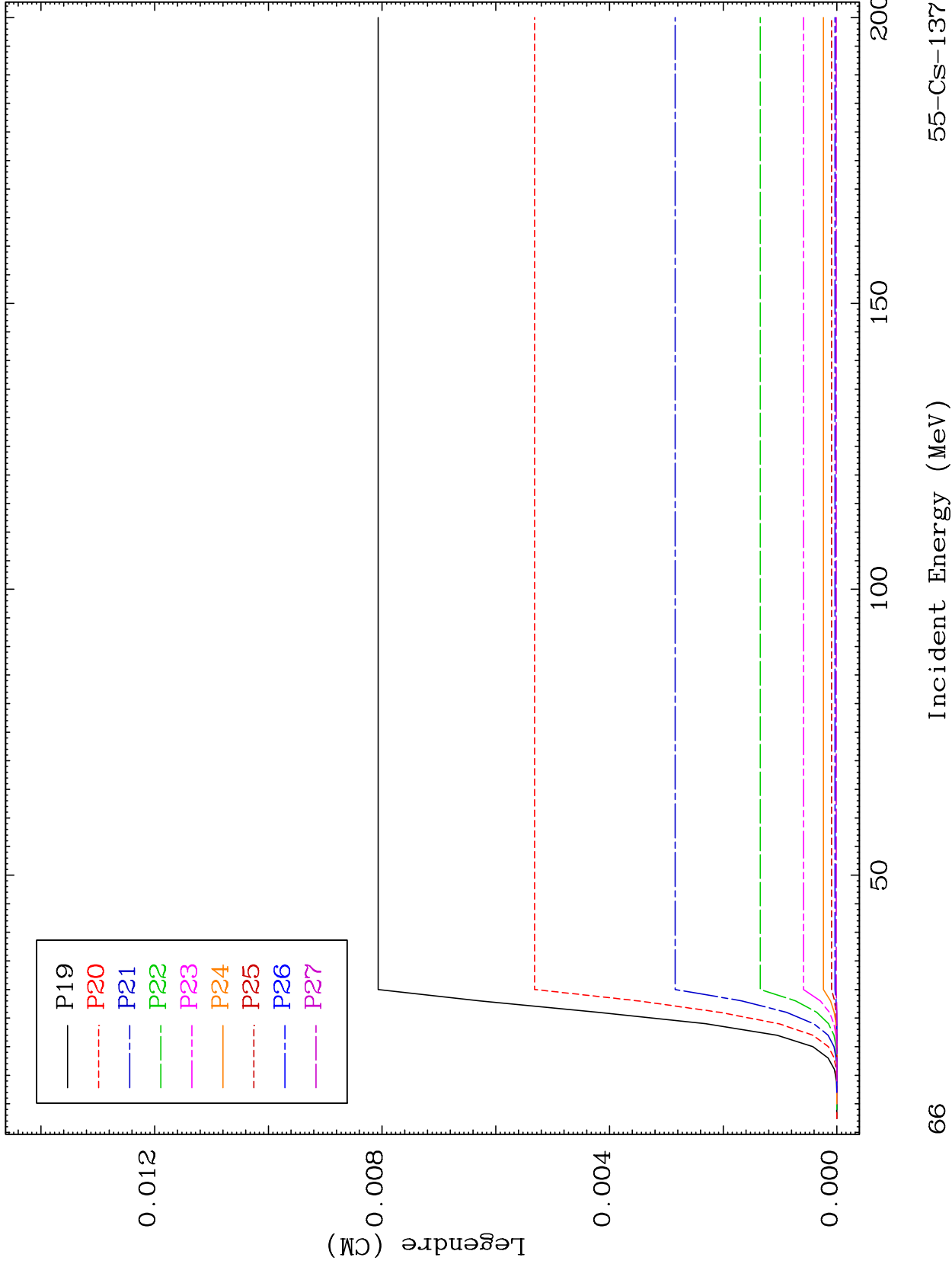
55-Cs-137



65

Incident Energy (MeV)

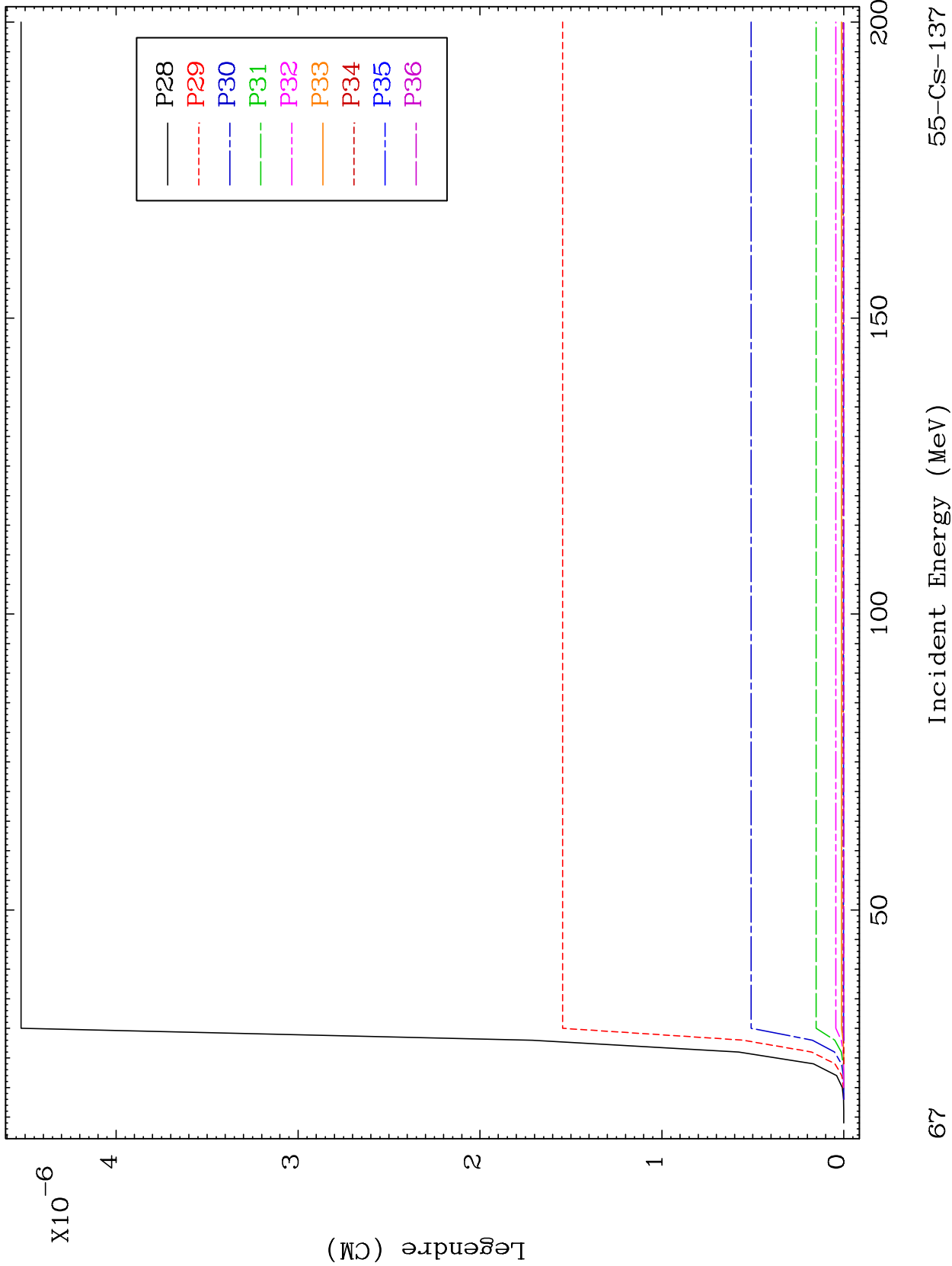
55-Cs-137



MAT 5537

1.868 MeV (n,n') Level
Legendre Coefficients

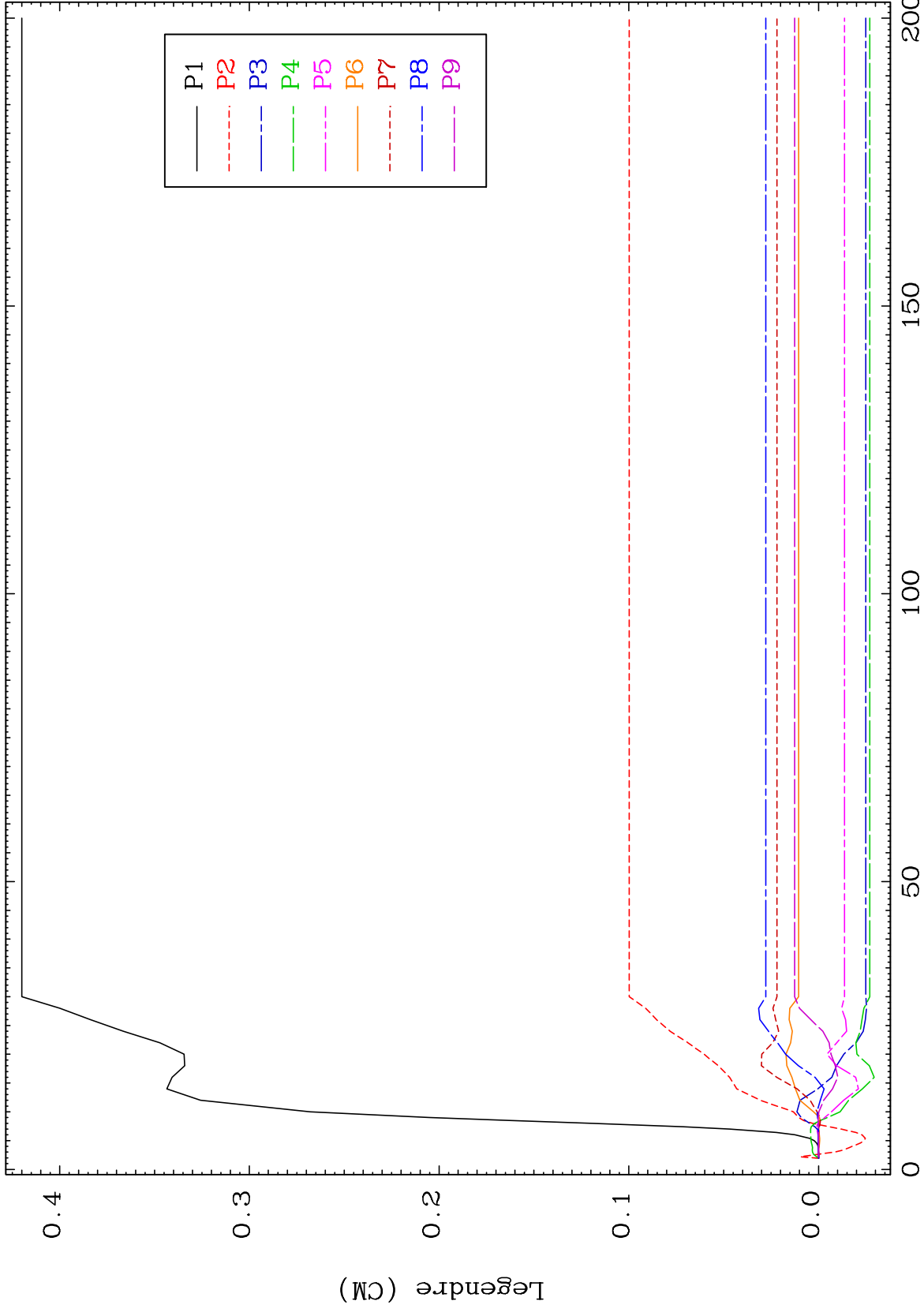
55-Cs-137



MAT 5537

1.894 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



68

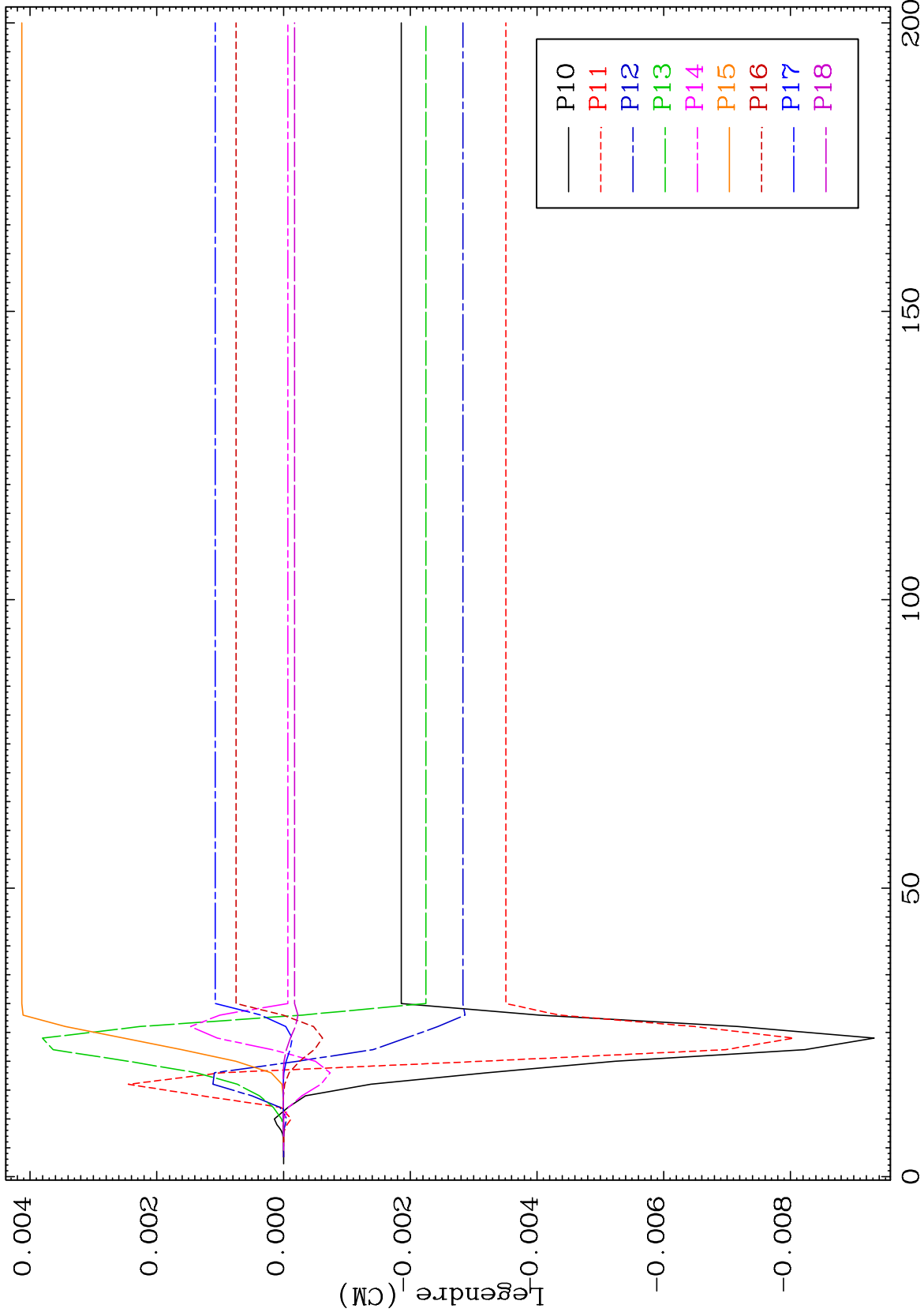
Incident Energy (MeV)

55-Cs-137

MAT 5537

1.894 MeV (n,n') Level
Legendre Coefficients

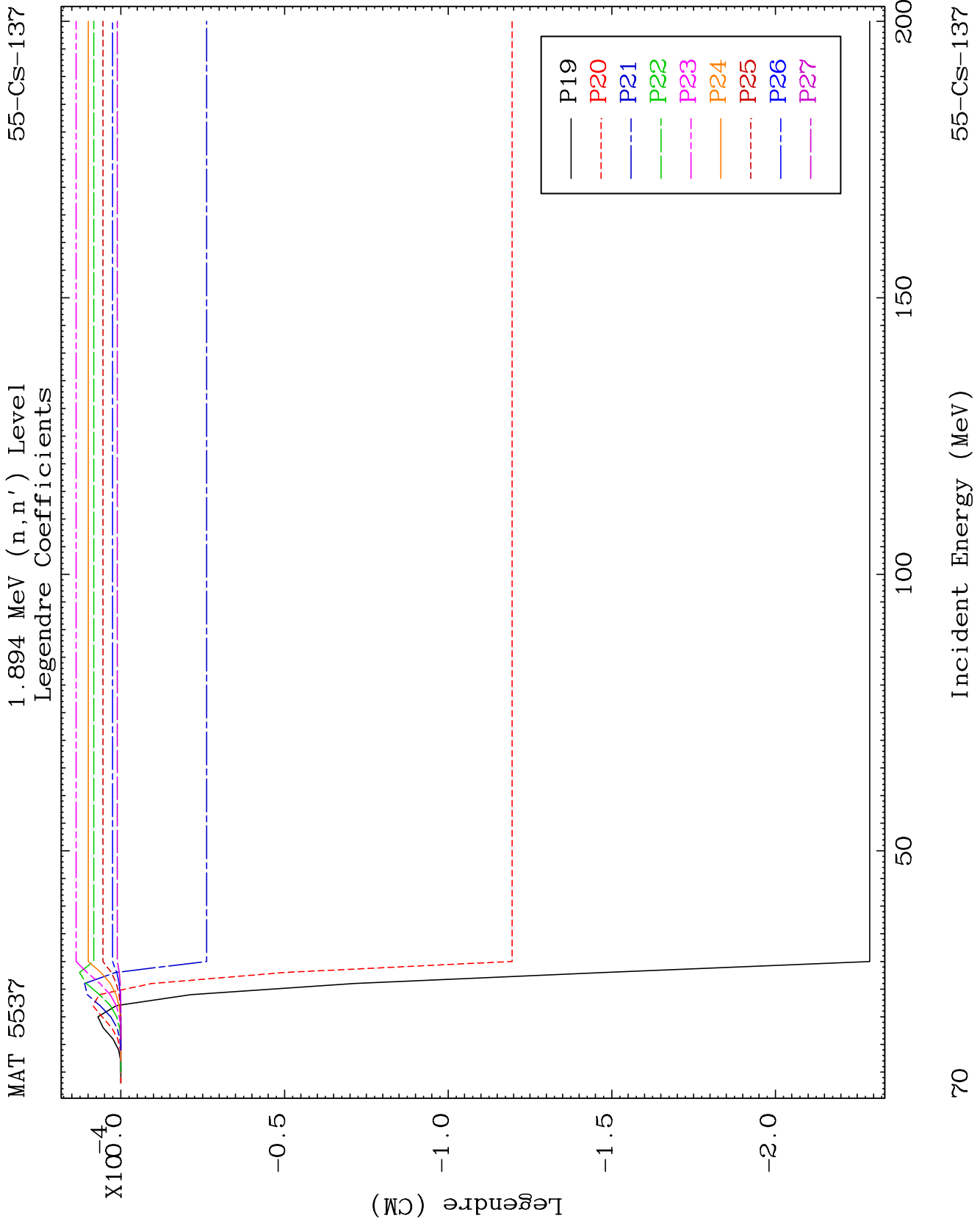
55-Cs-137



69

Incident Energy (MeV)

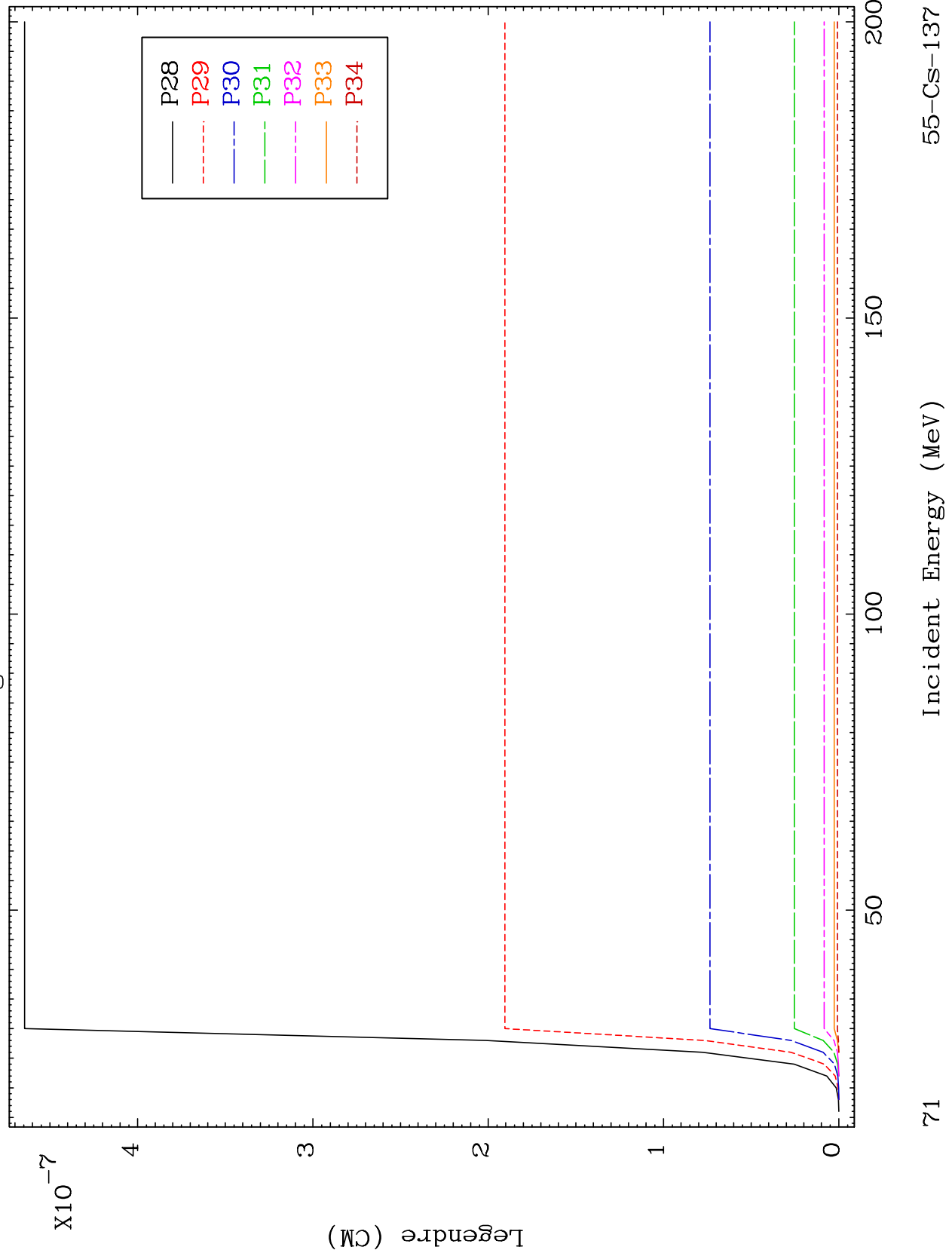
55-Cs-137



MAT 5537

1.894 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



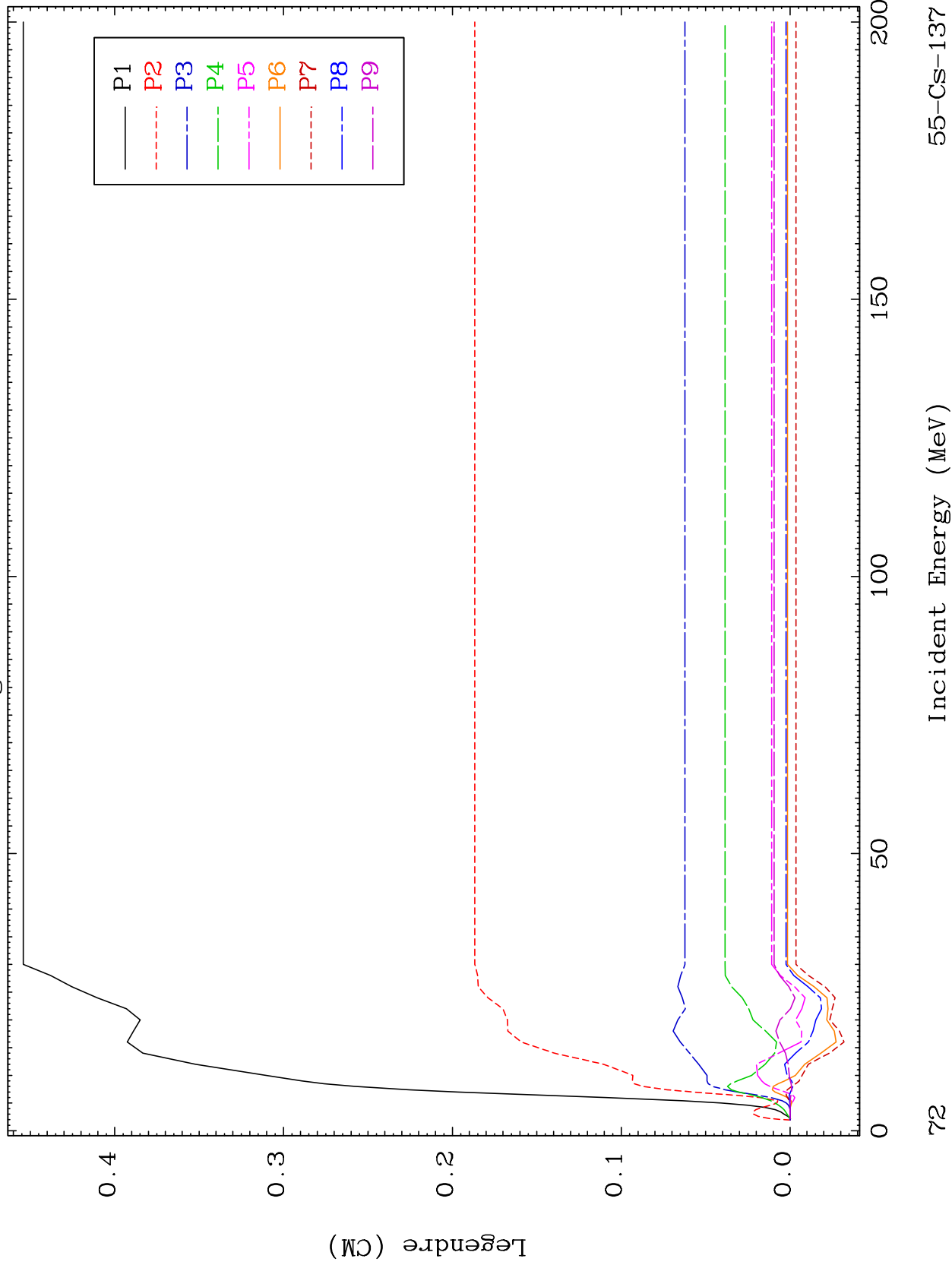
71

55-Cs-137

MAT 5537

1.916 MeV (n,n') Level
Legendre Coefficients

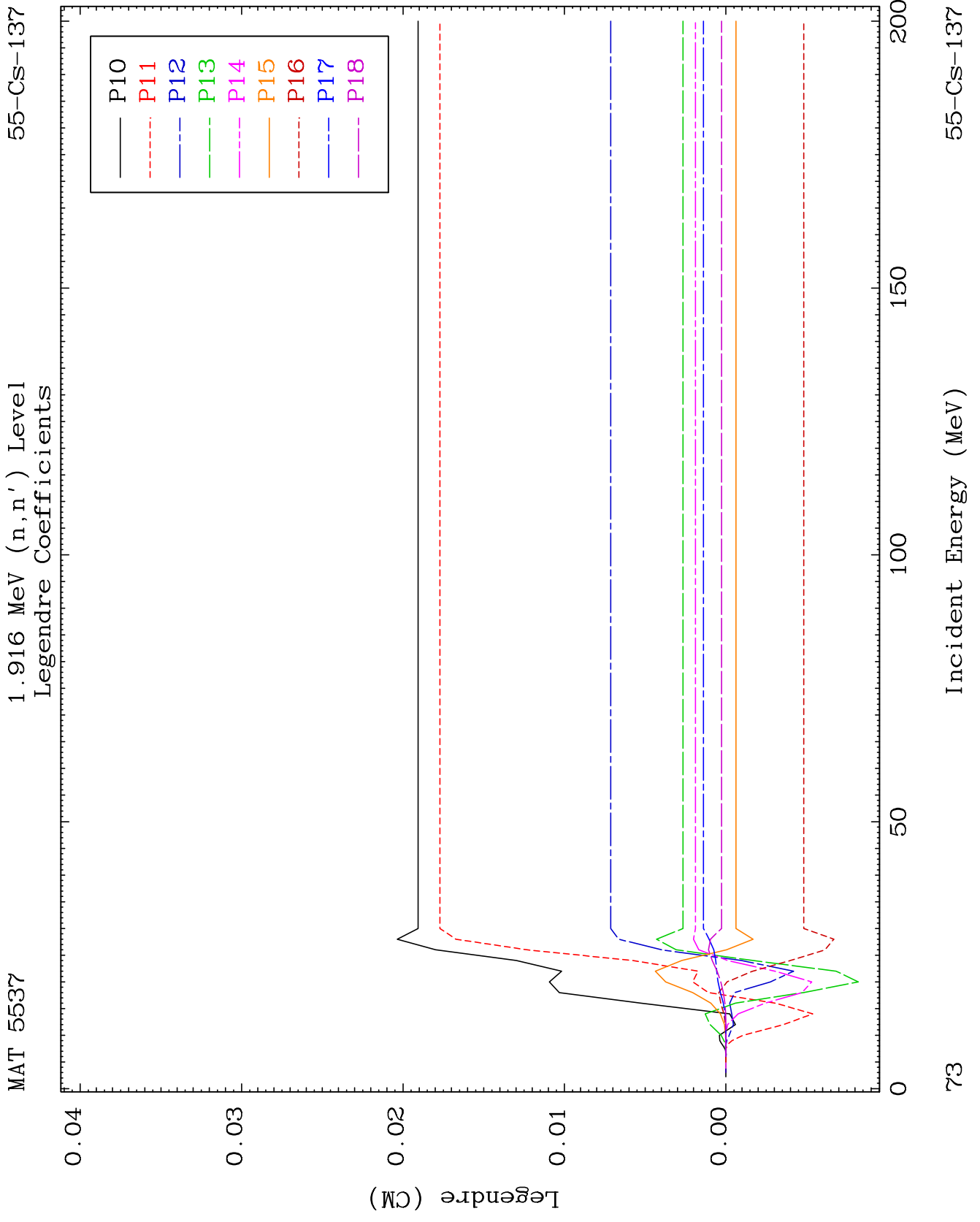
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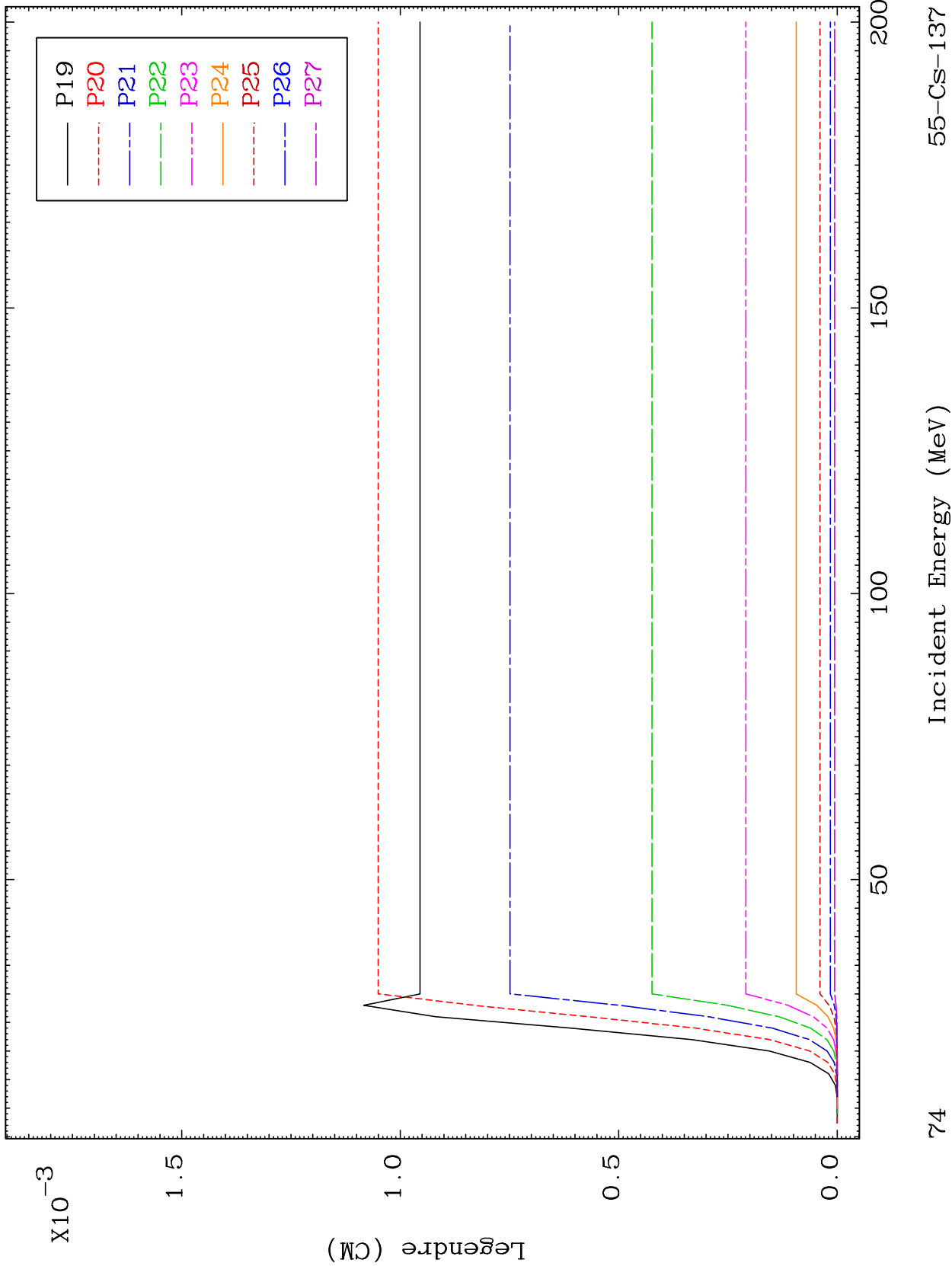


72

Incident Energy (MeV)

55-Cs-137

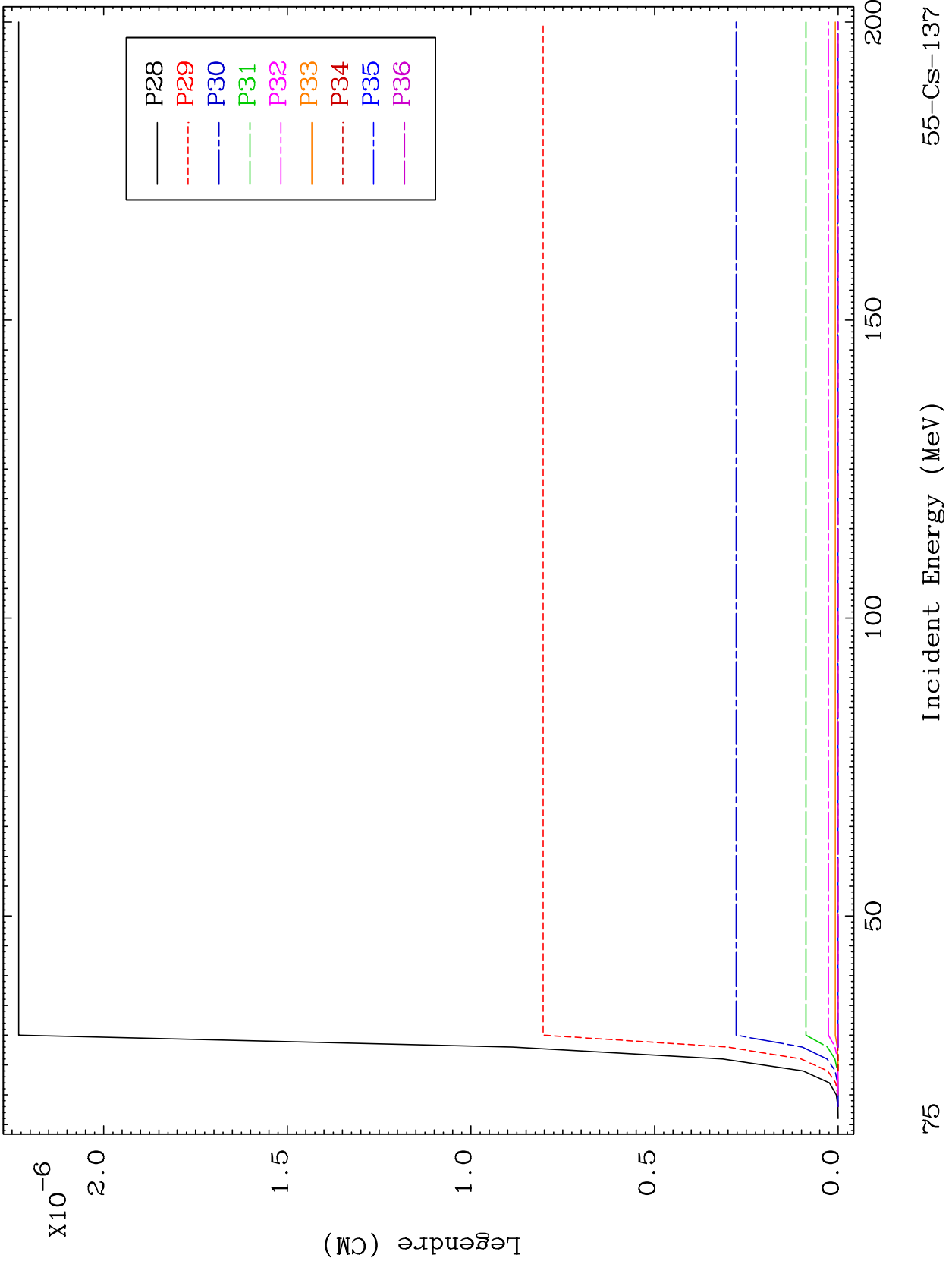




MAT 5537

1.916 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



55-Cs-137

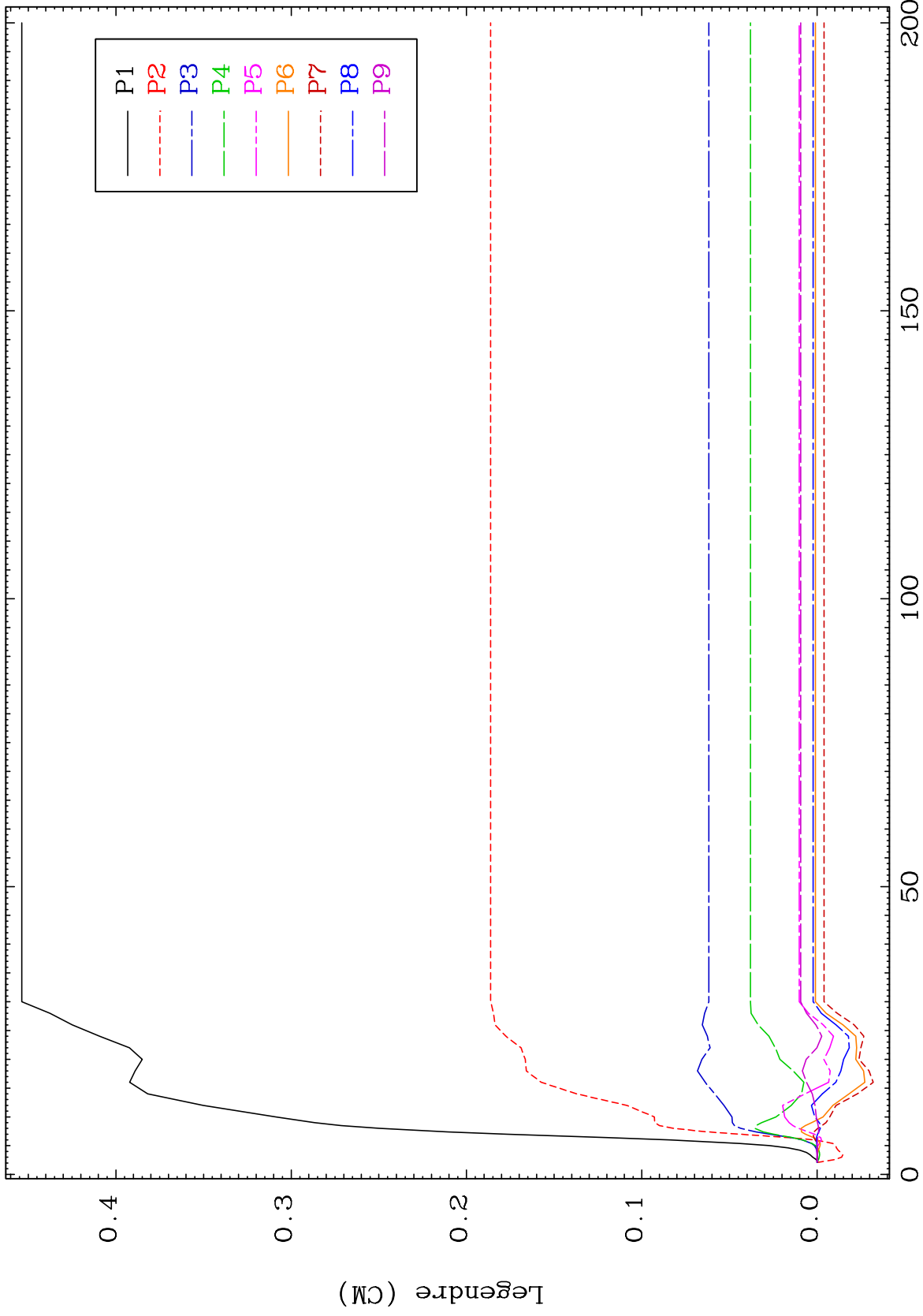
Incident Energy (MeV)

75

MAT 5537

2.068 MeV (n,n') Level
Legendre Coefficients

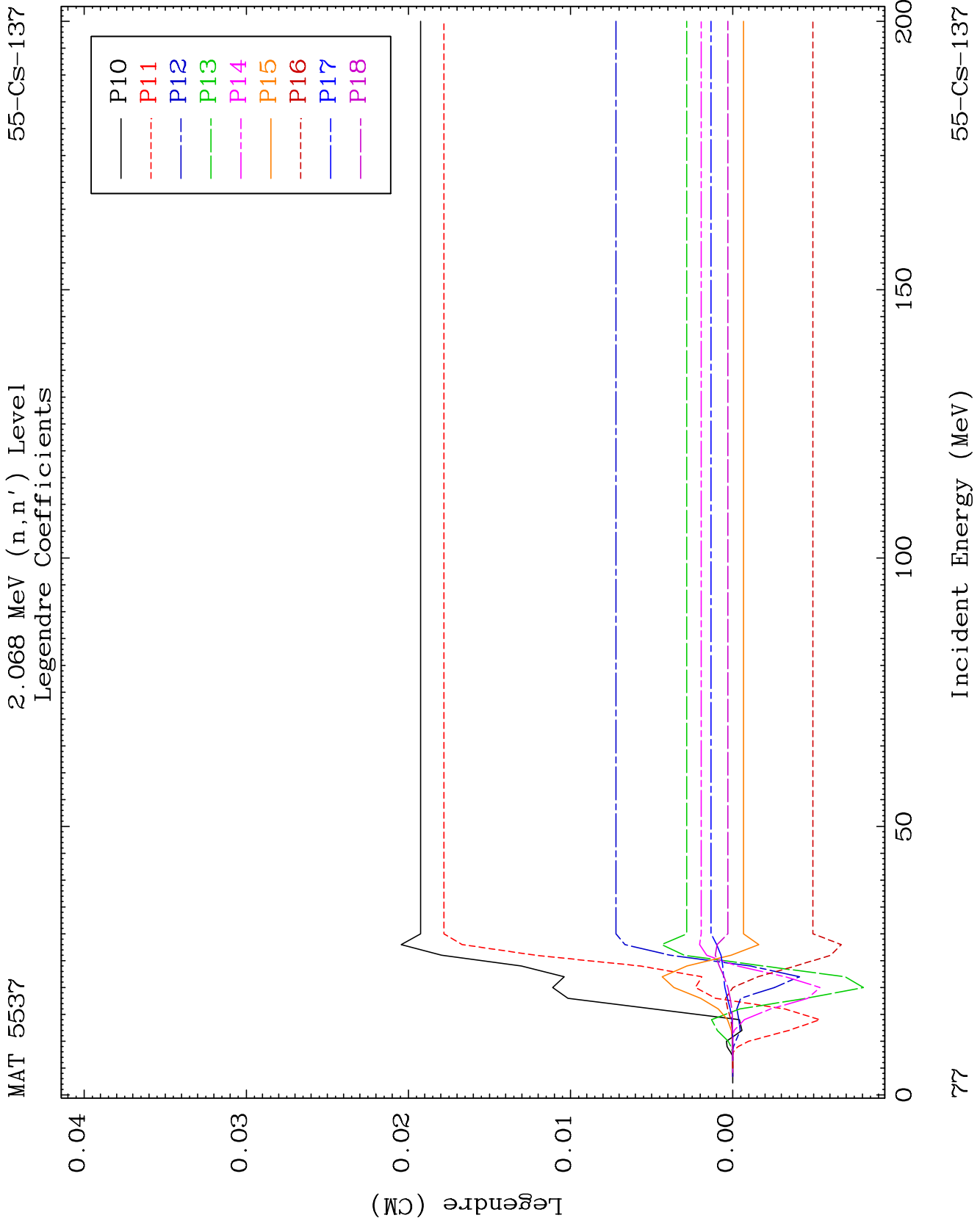
55-Cs-137

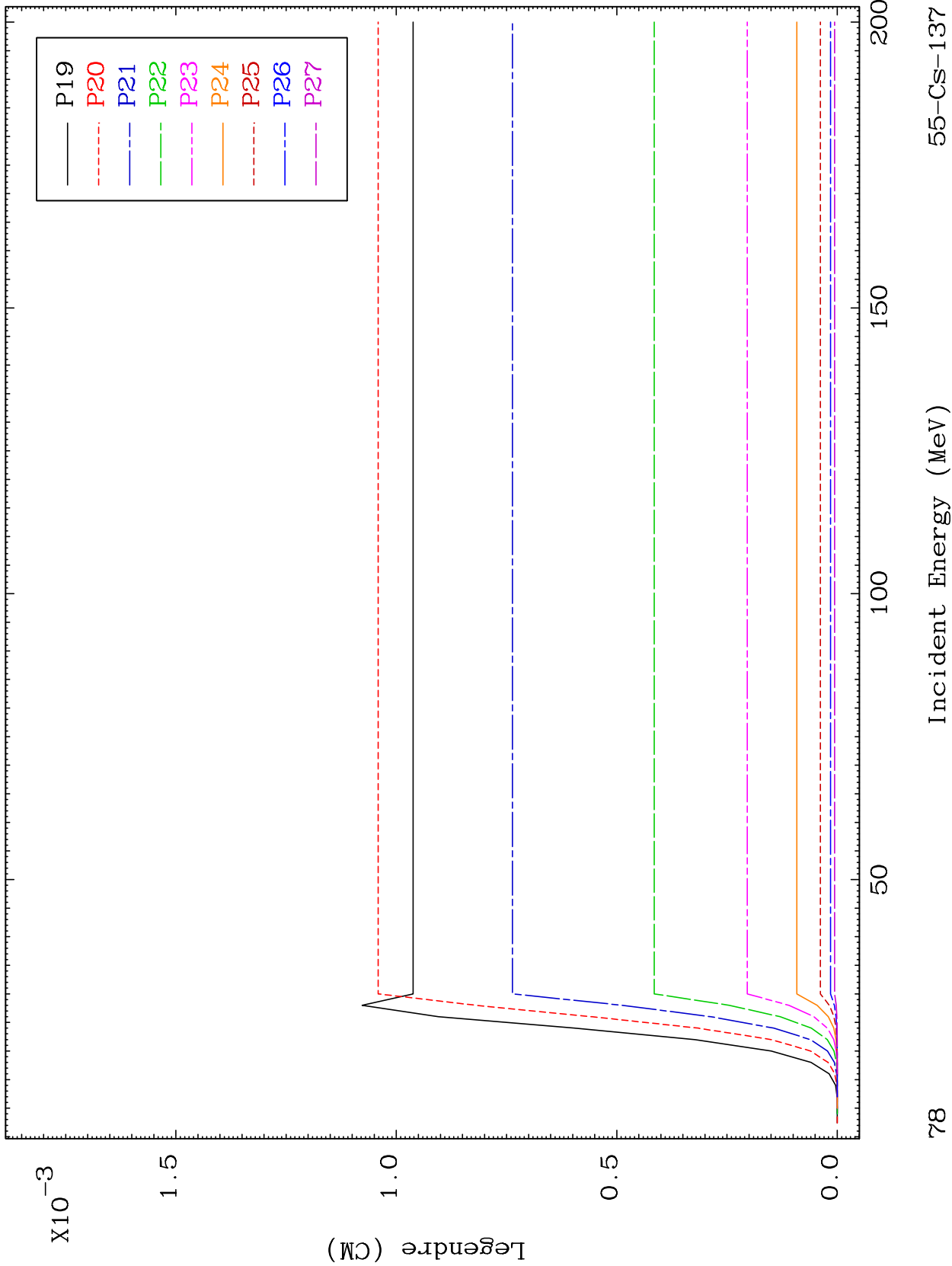


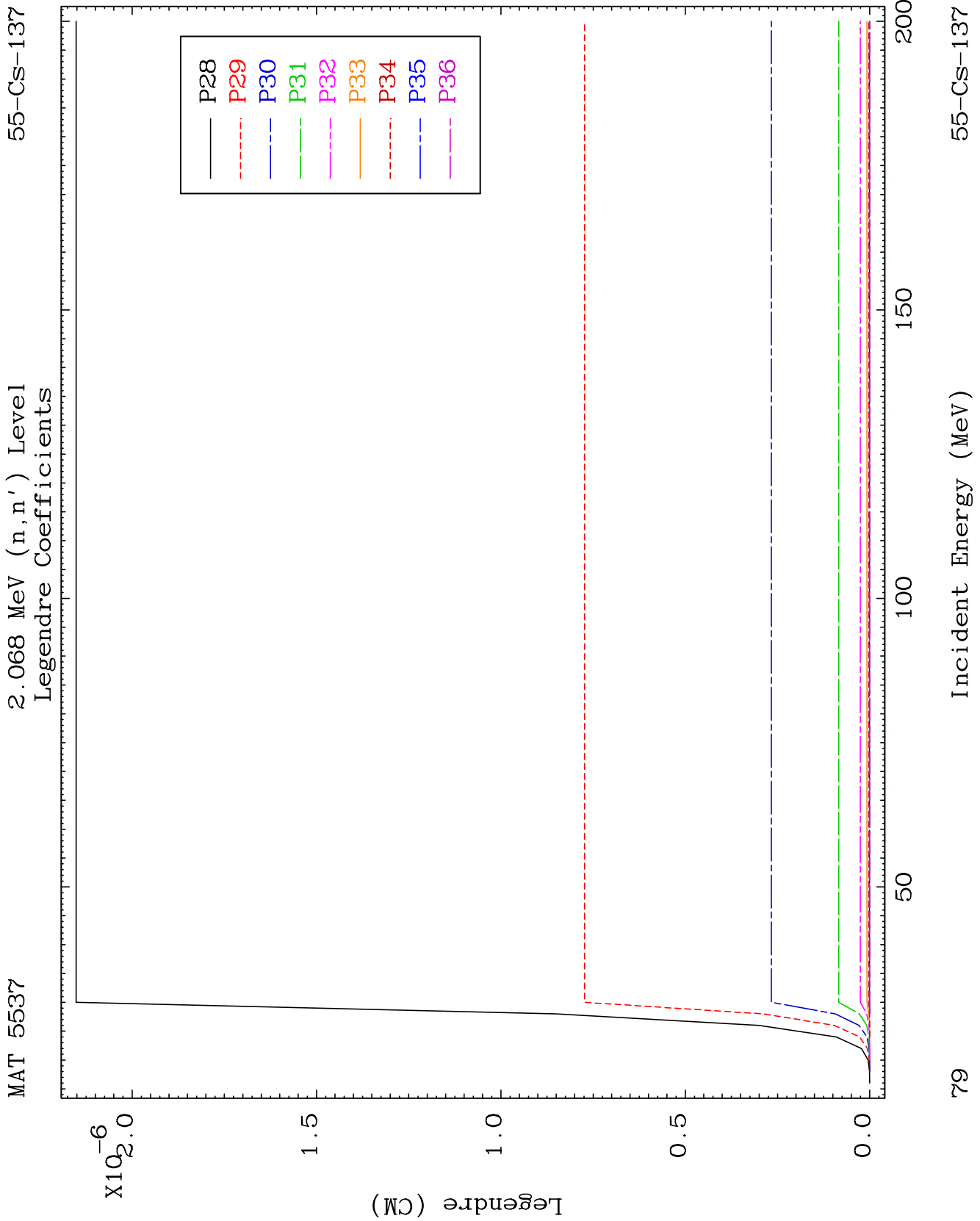
76

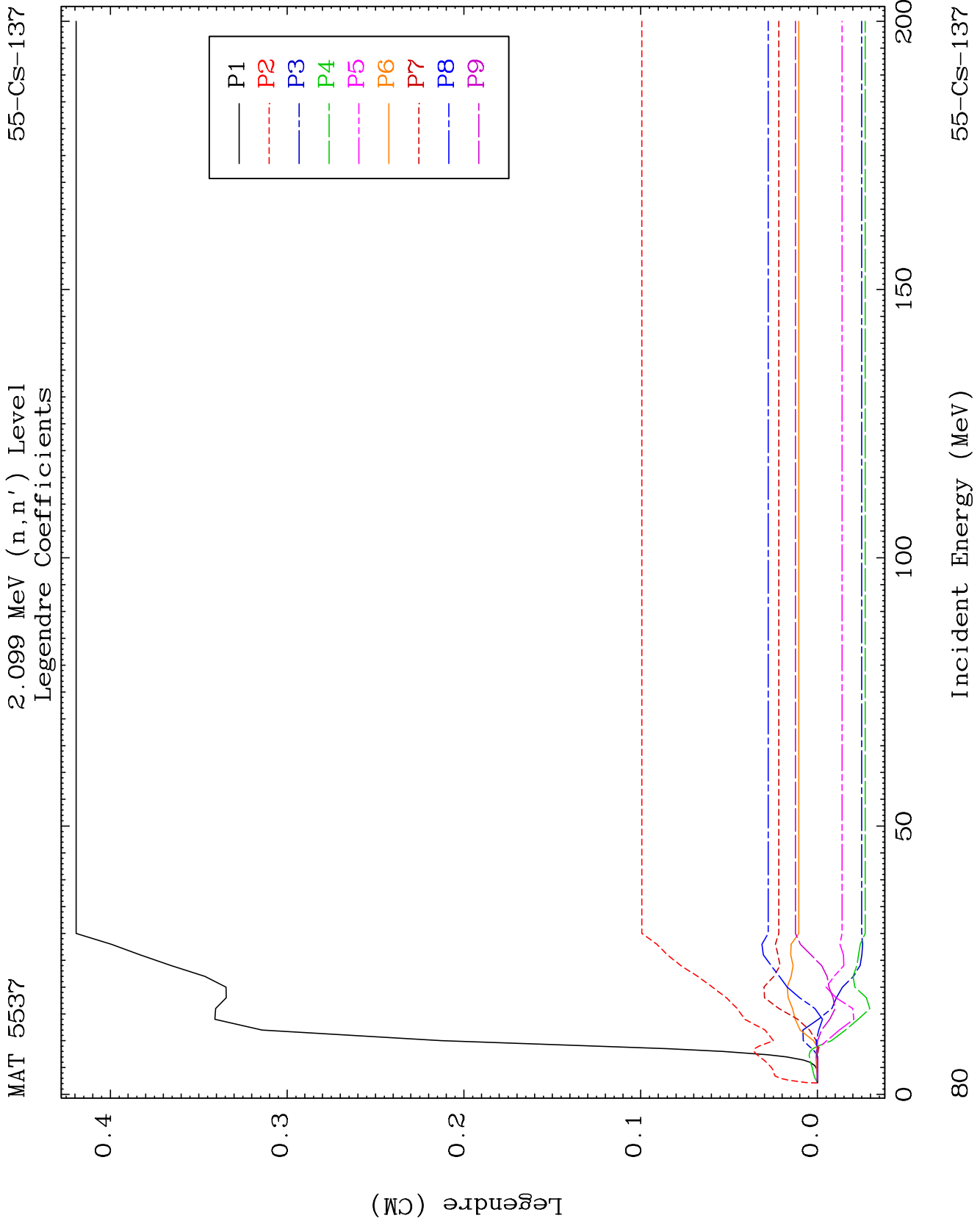
Incident Energy (MeV)

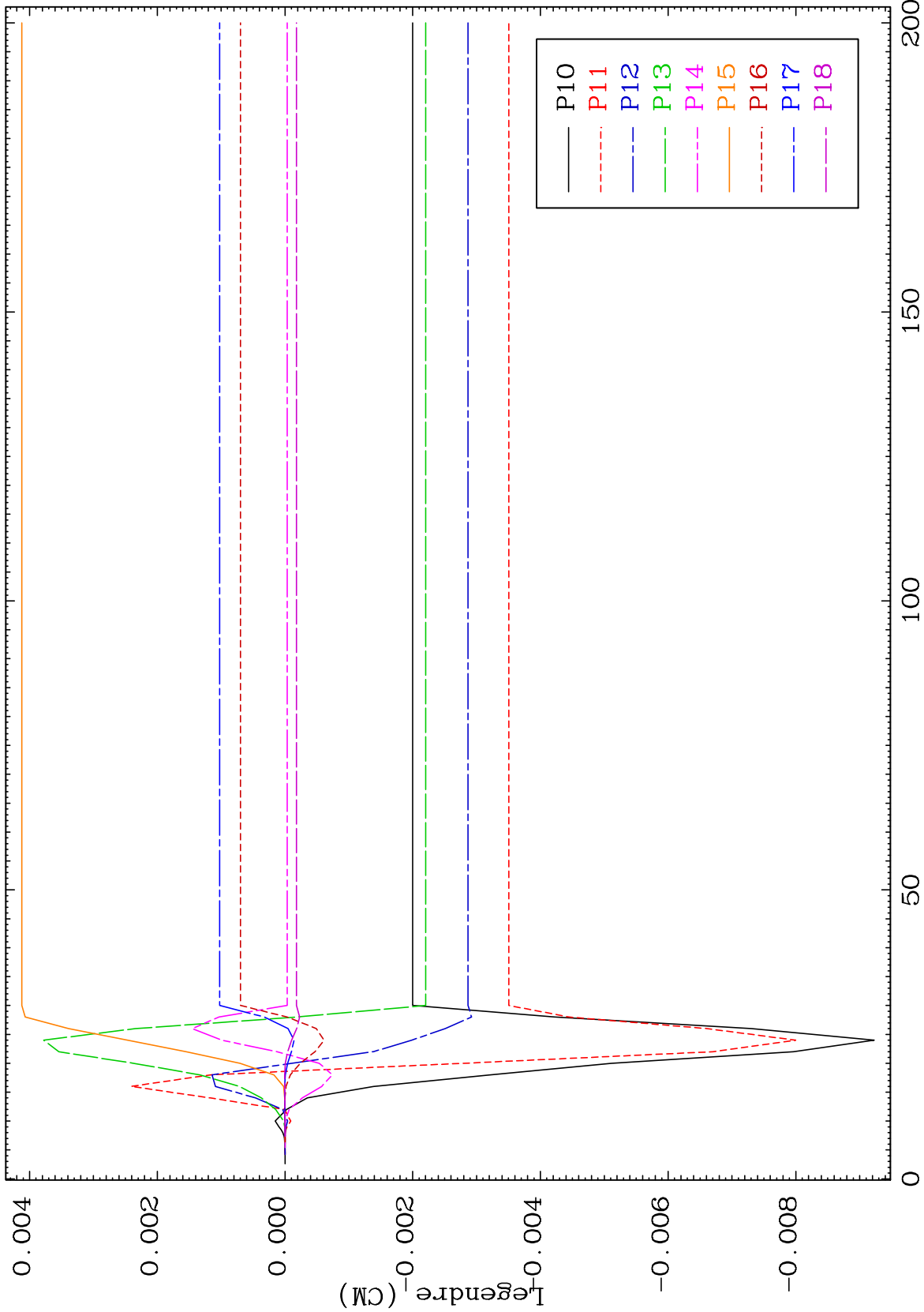
55-Cs-137

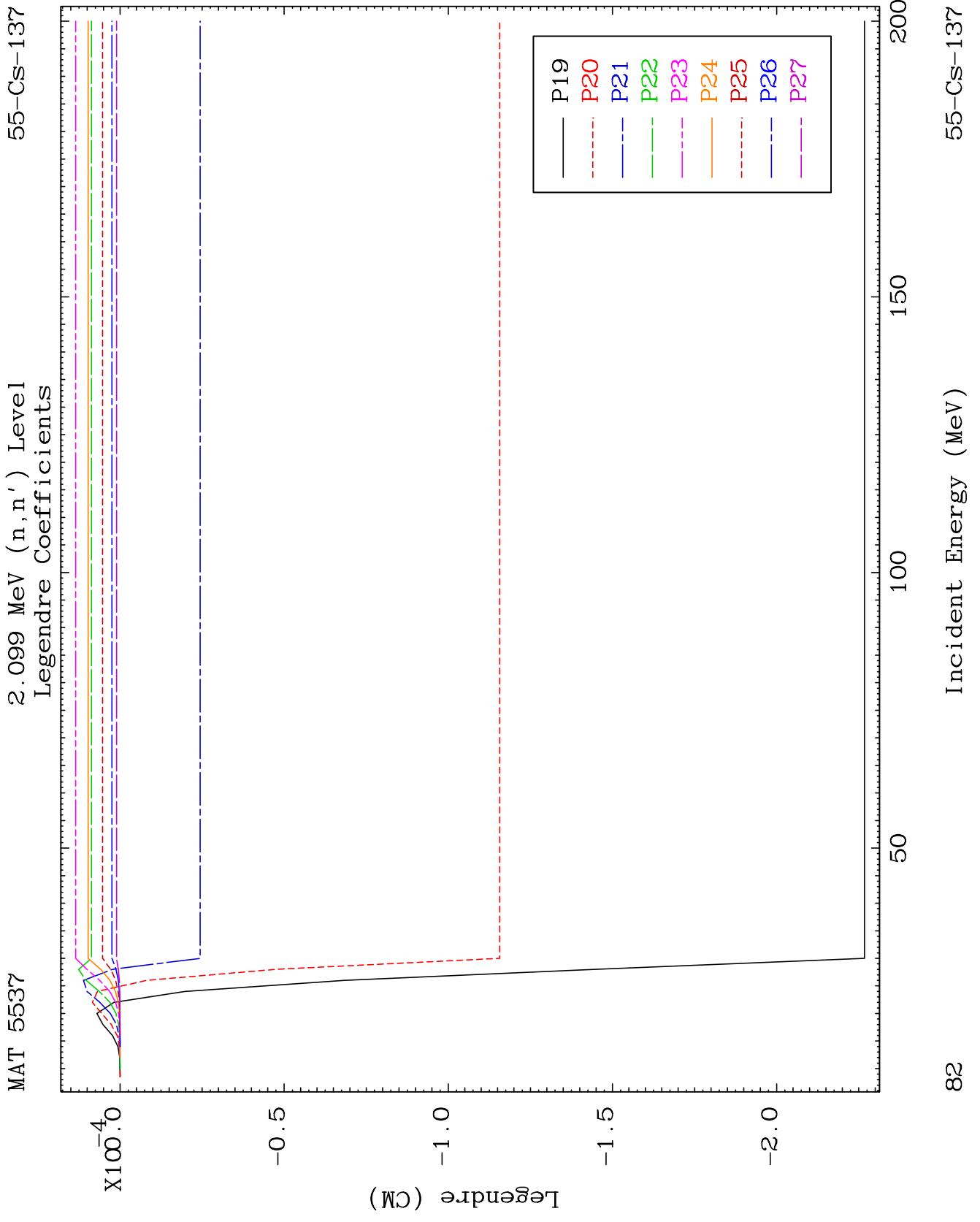








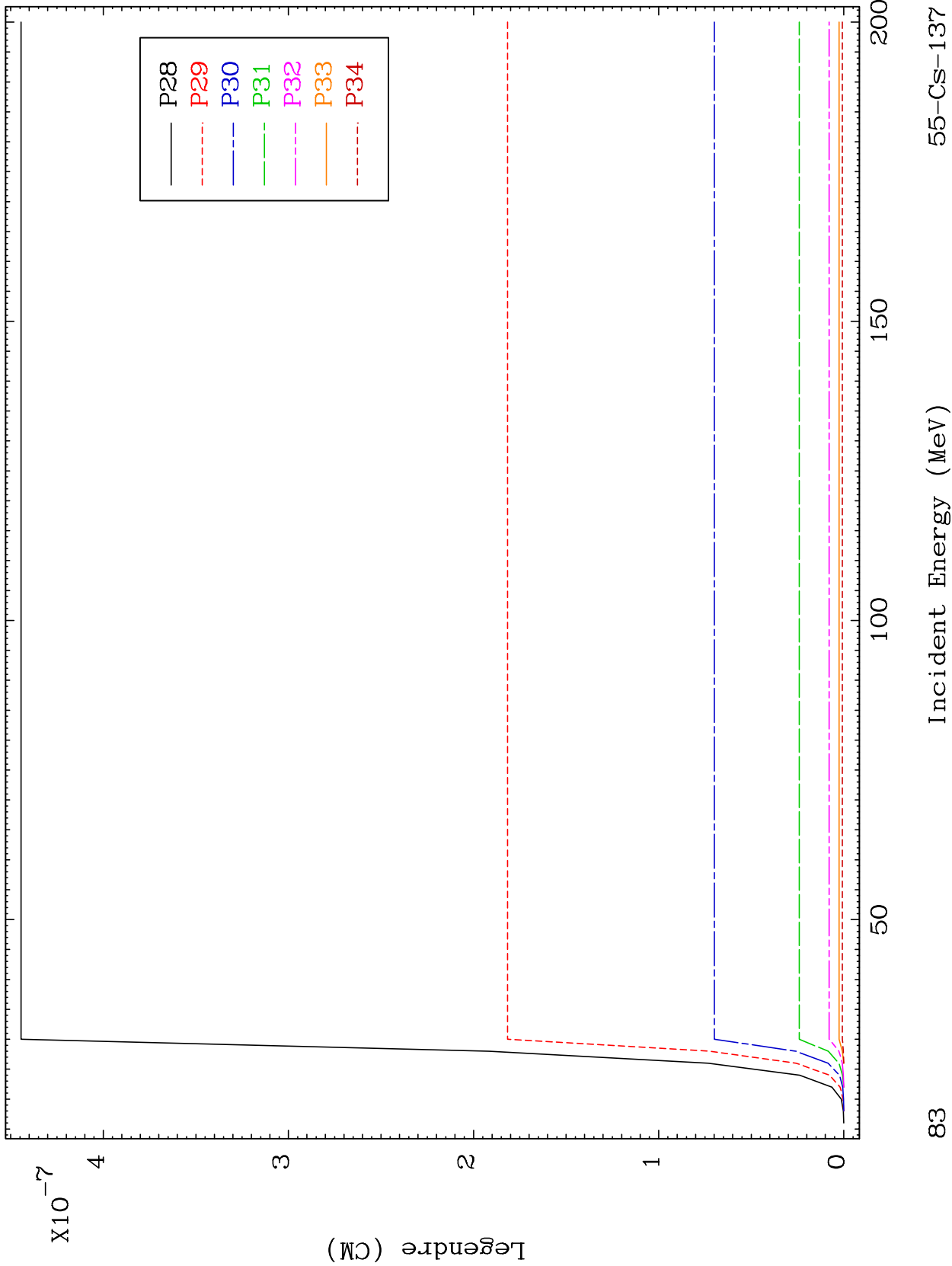




MAT 5537

2.099 MeV (n, n') Level
Legendre Coefficients

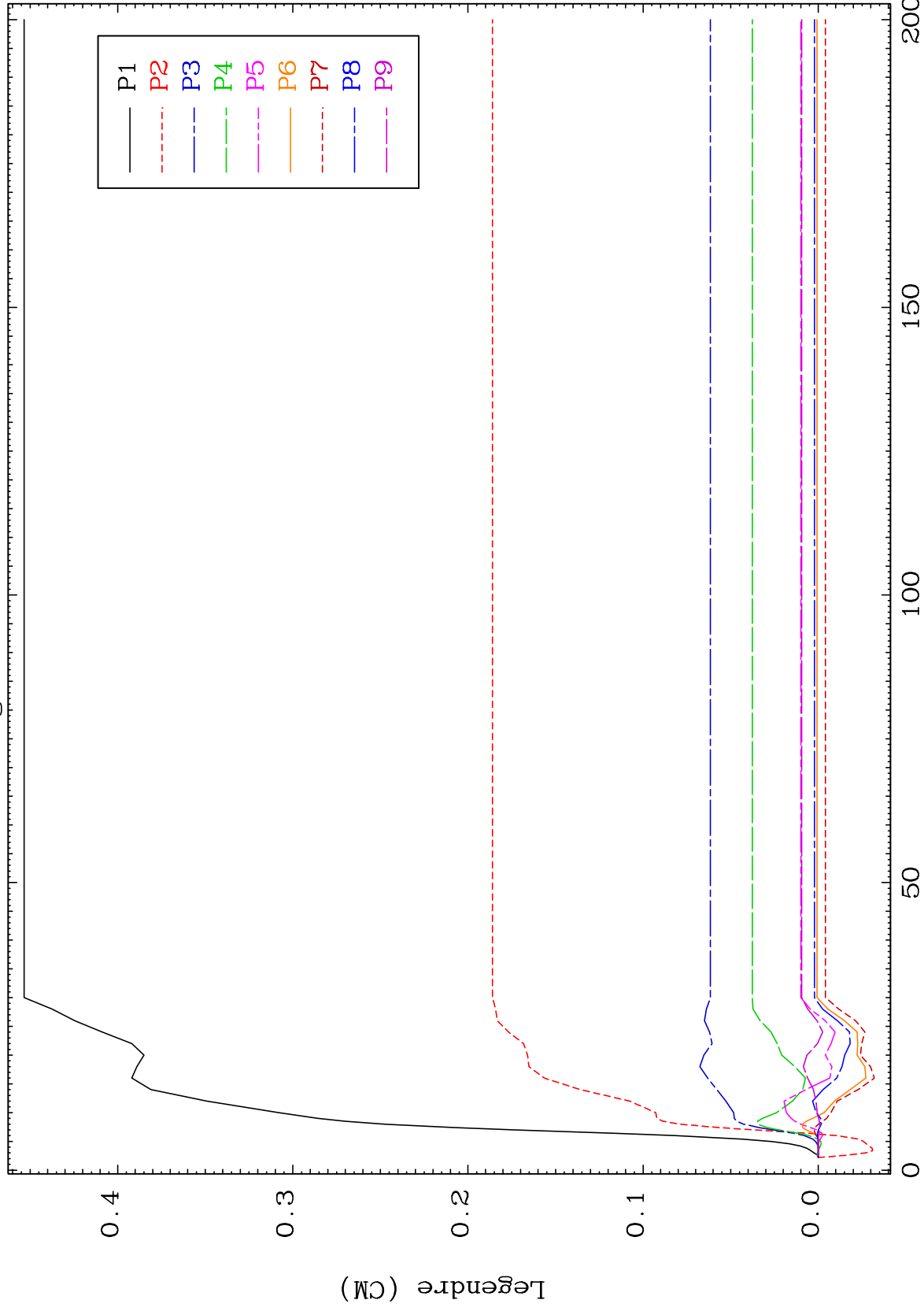
55-Cs-137



MAT 5537

2.150 MeV (n,n') Level
Legendre Coefficients

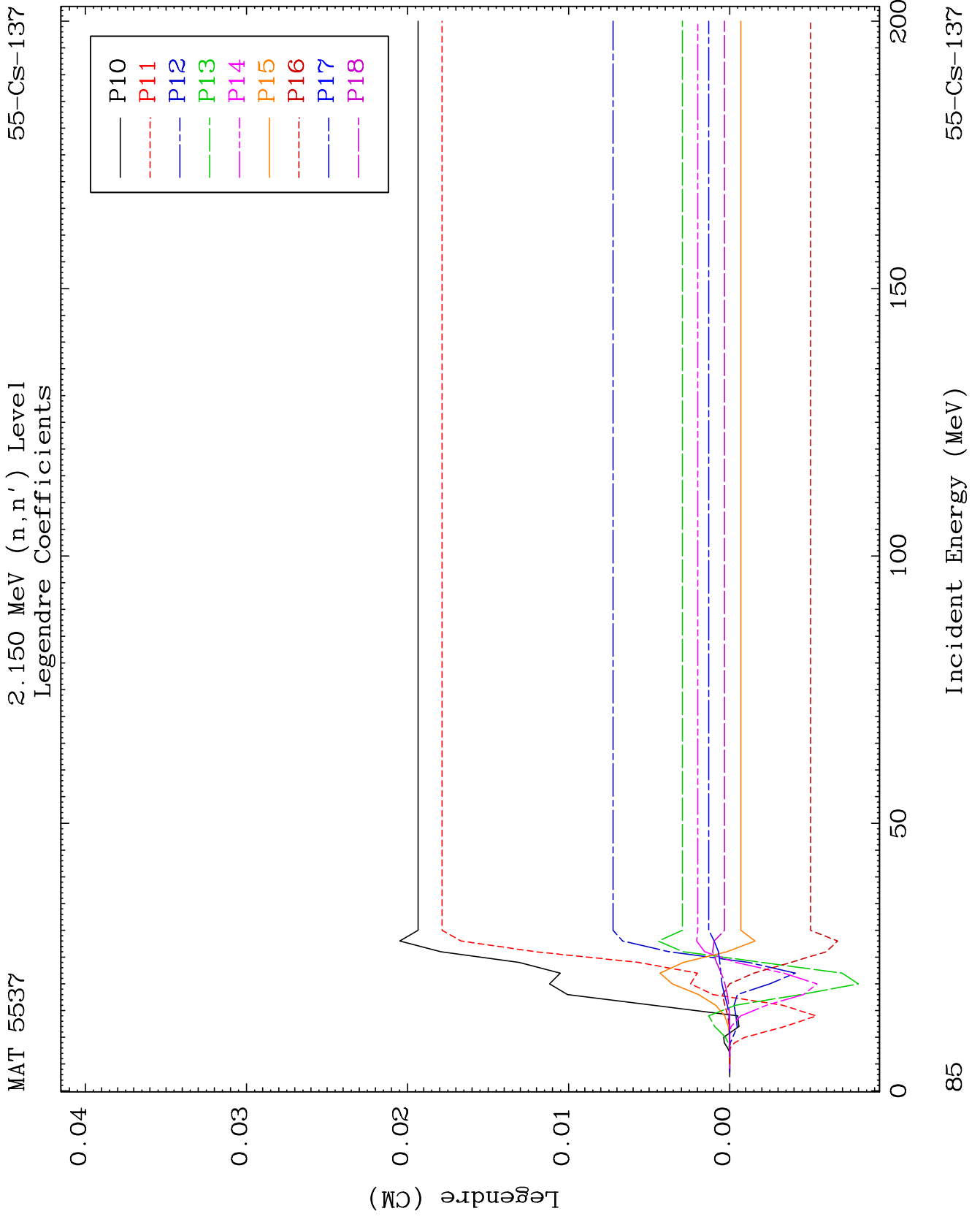
55-Cs-137

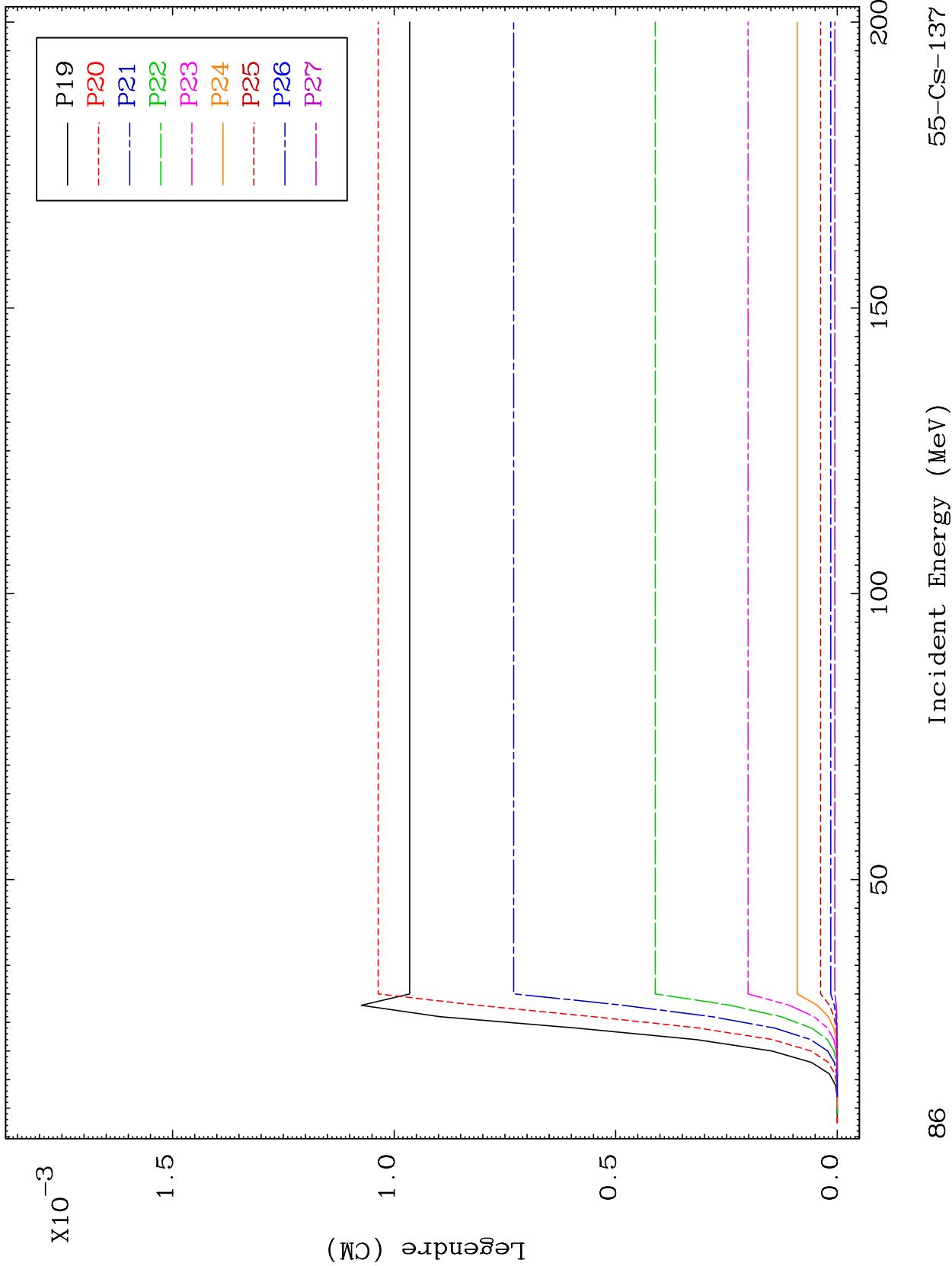


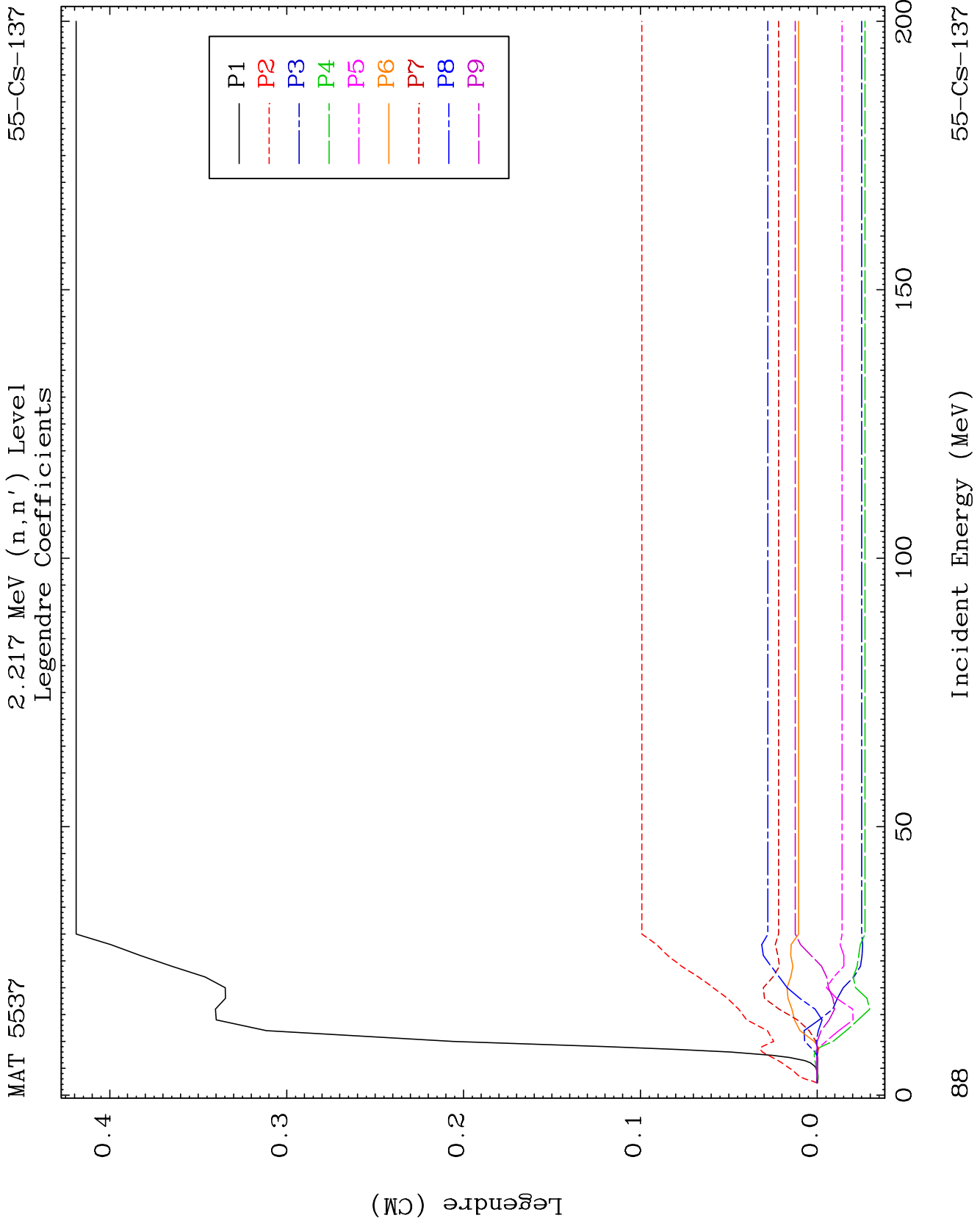
84

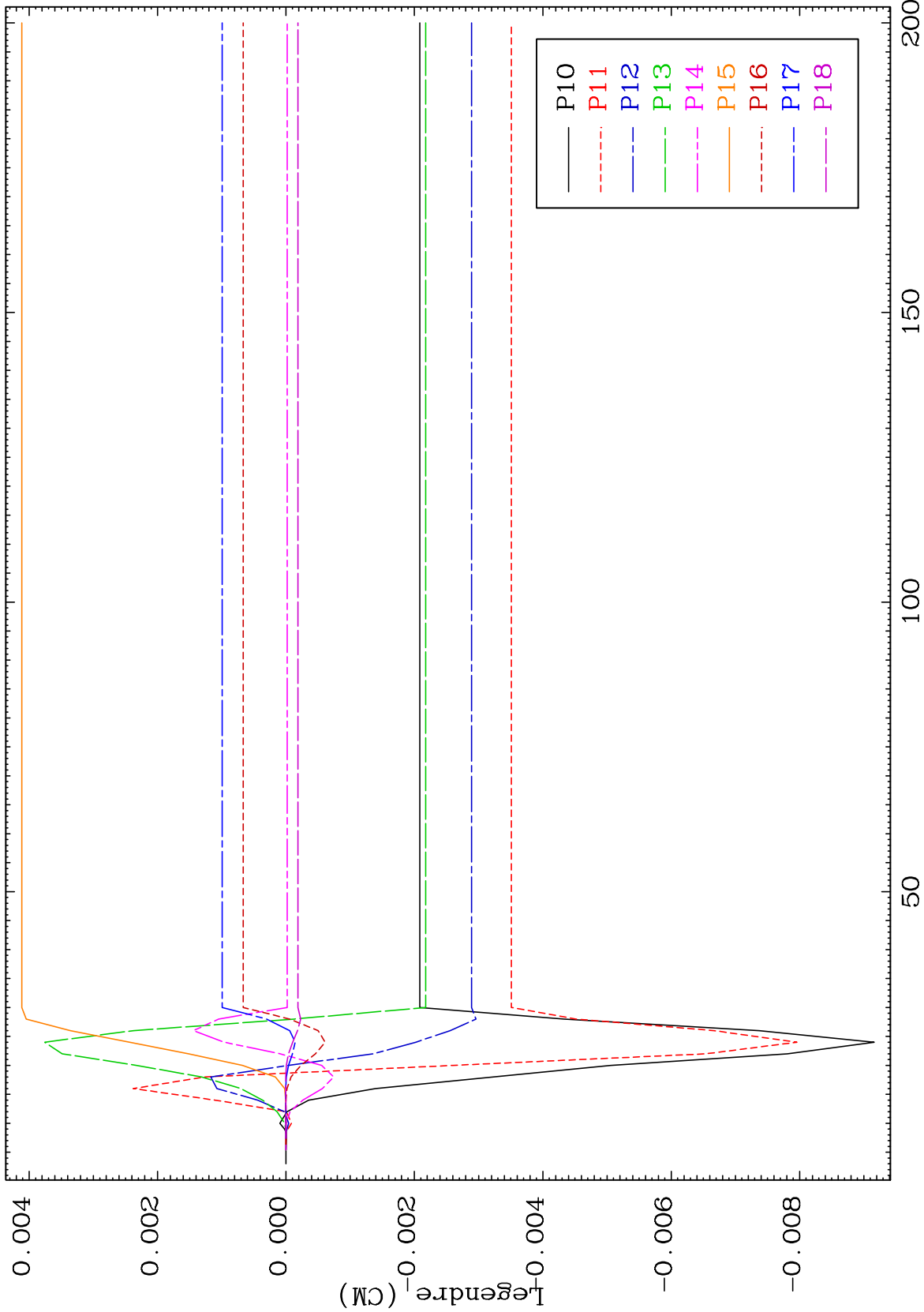
Incident Energy (MeV)

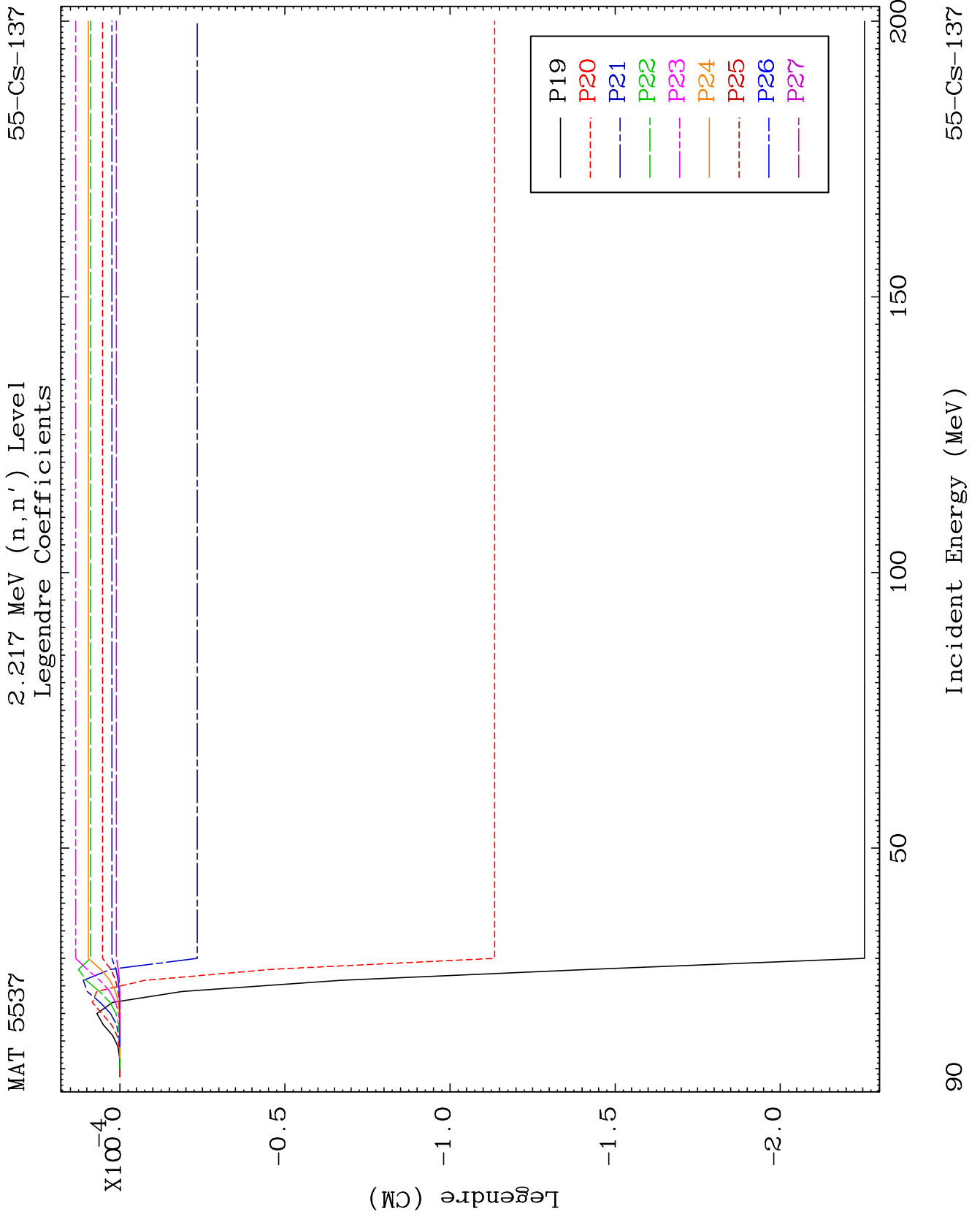
55-Cs-137









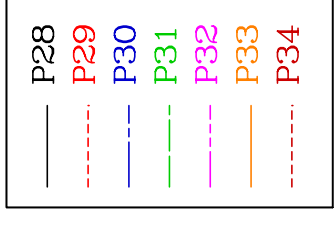


MAT 5537

2.217 MeV (n, n') Level
Legendre Coefficients

55-Cs-137

$\times 10^{-7}$

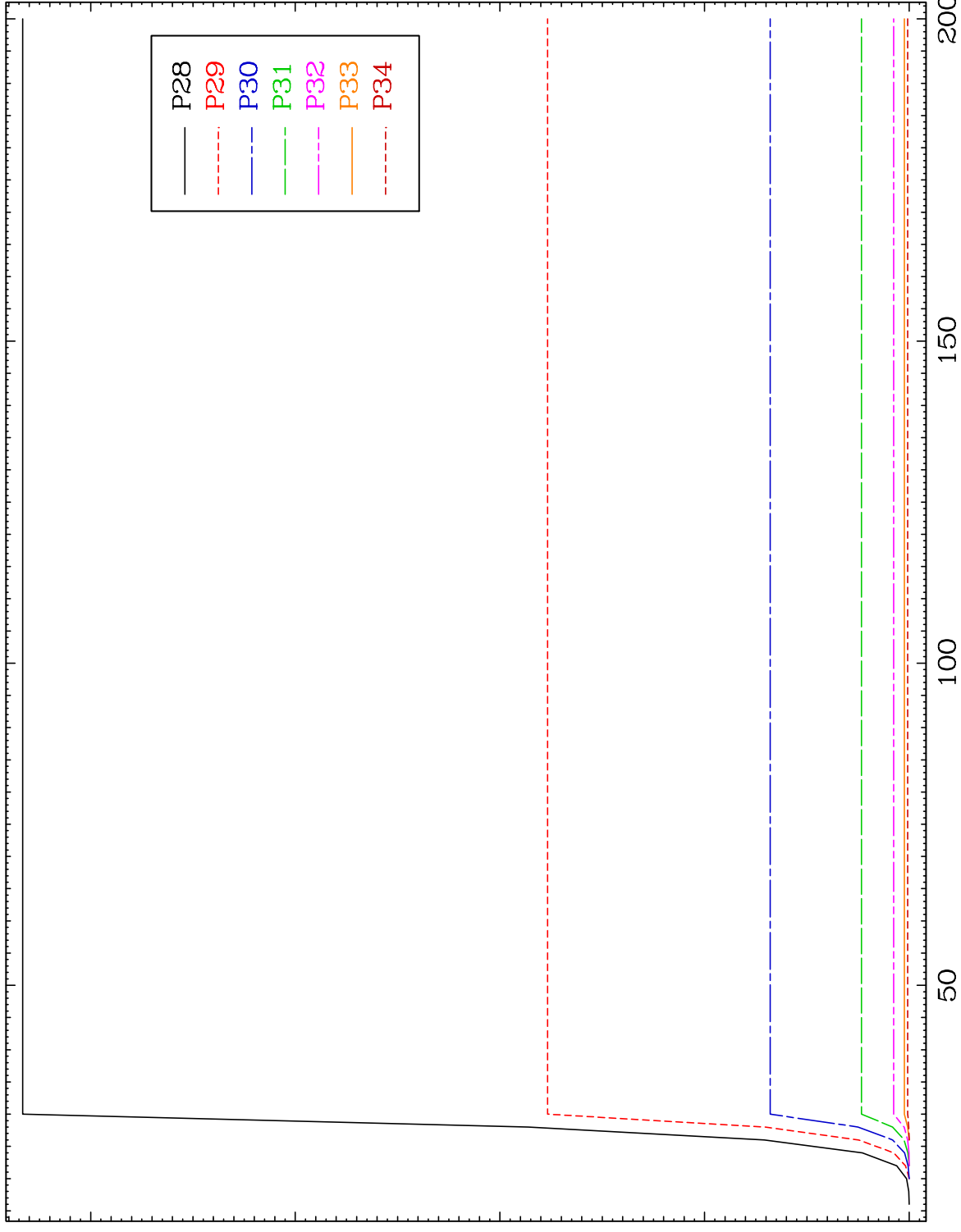


Legendre (CM)

91

Incident Energy (MeV)

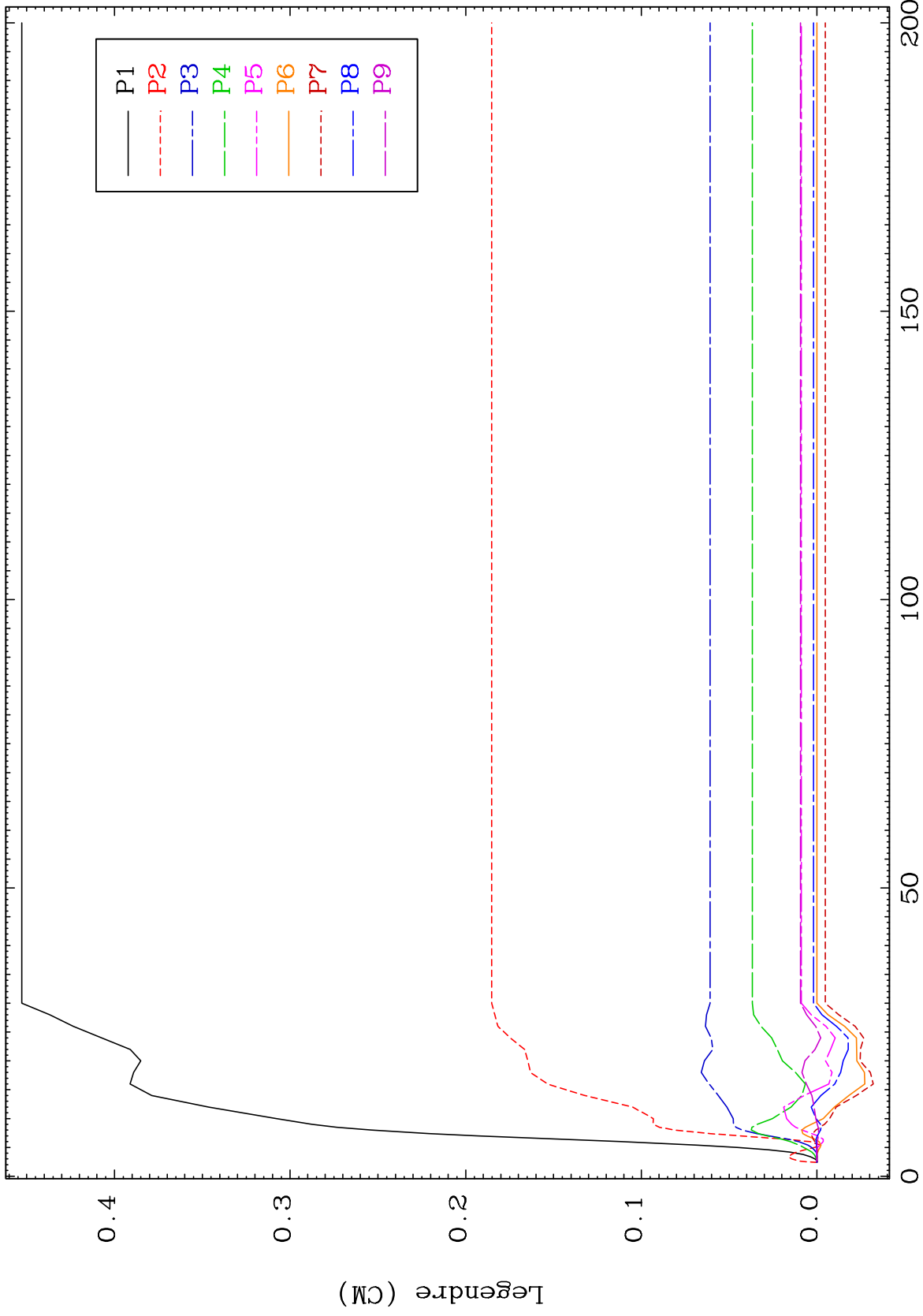
55-Cs-137



MAT 5537

2.368 MeV (n,n') Level
Legendre Coefficients

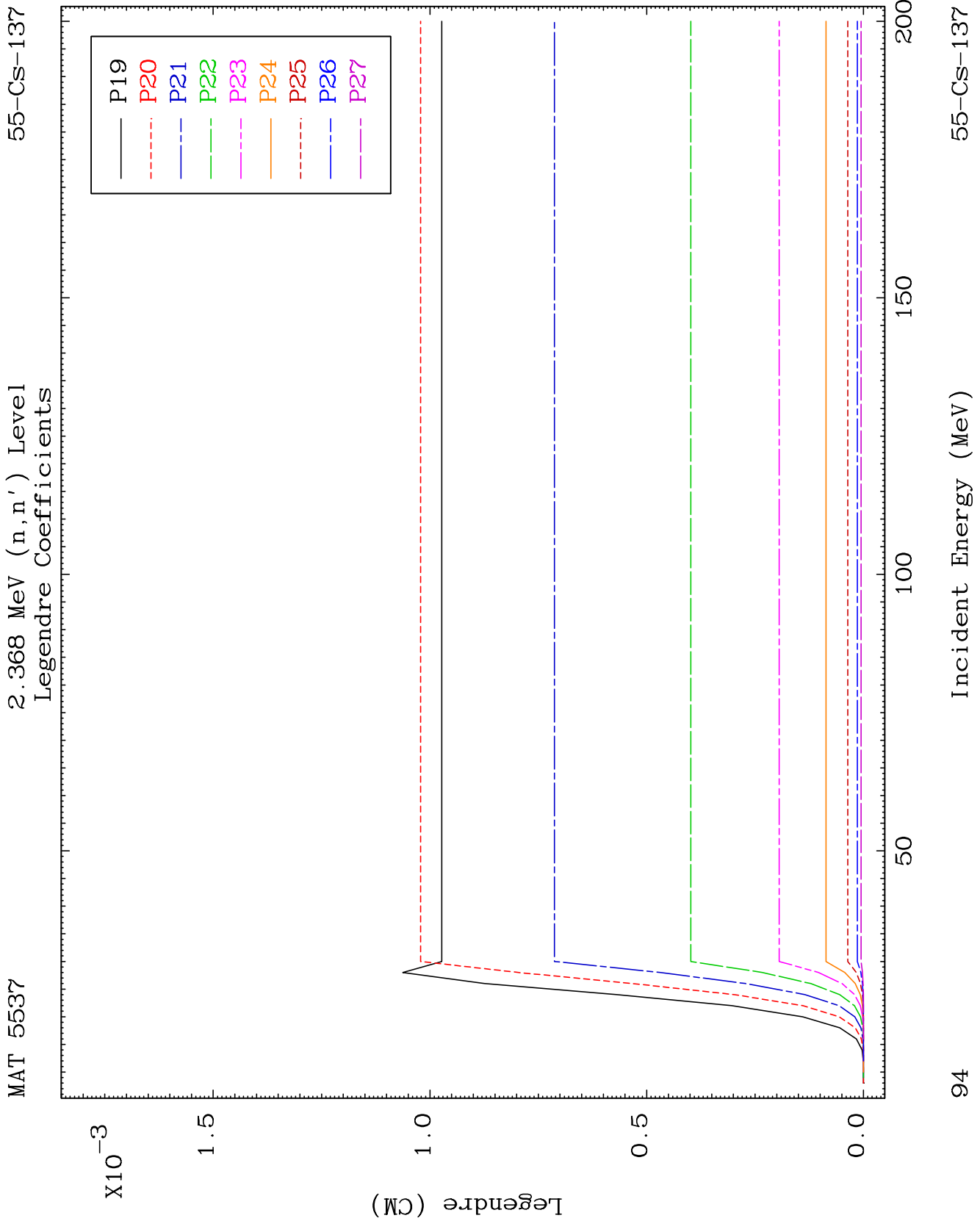
55-Cs-137



92

Incident Energy (MeV)

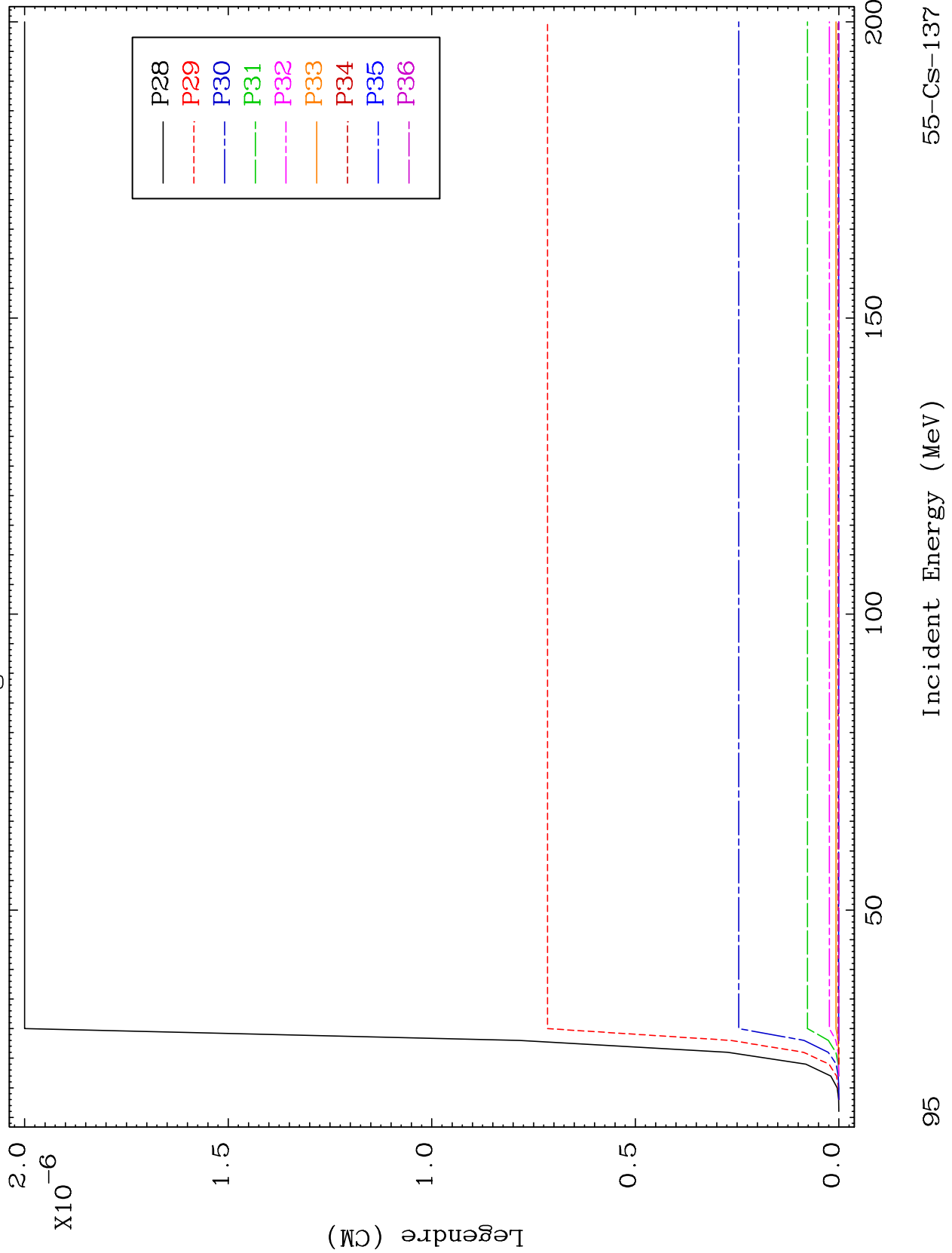
55-Cs-137



MAT 5537

2.368 MeV (n, n') Level
Legendre Coefficients

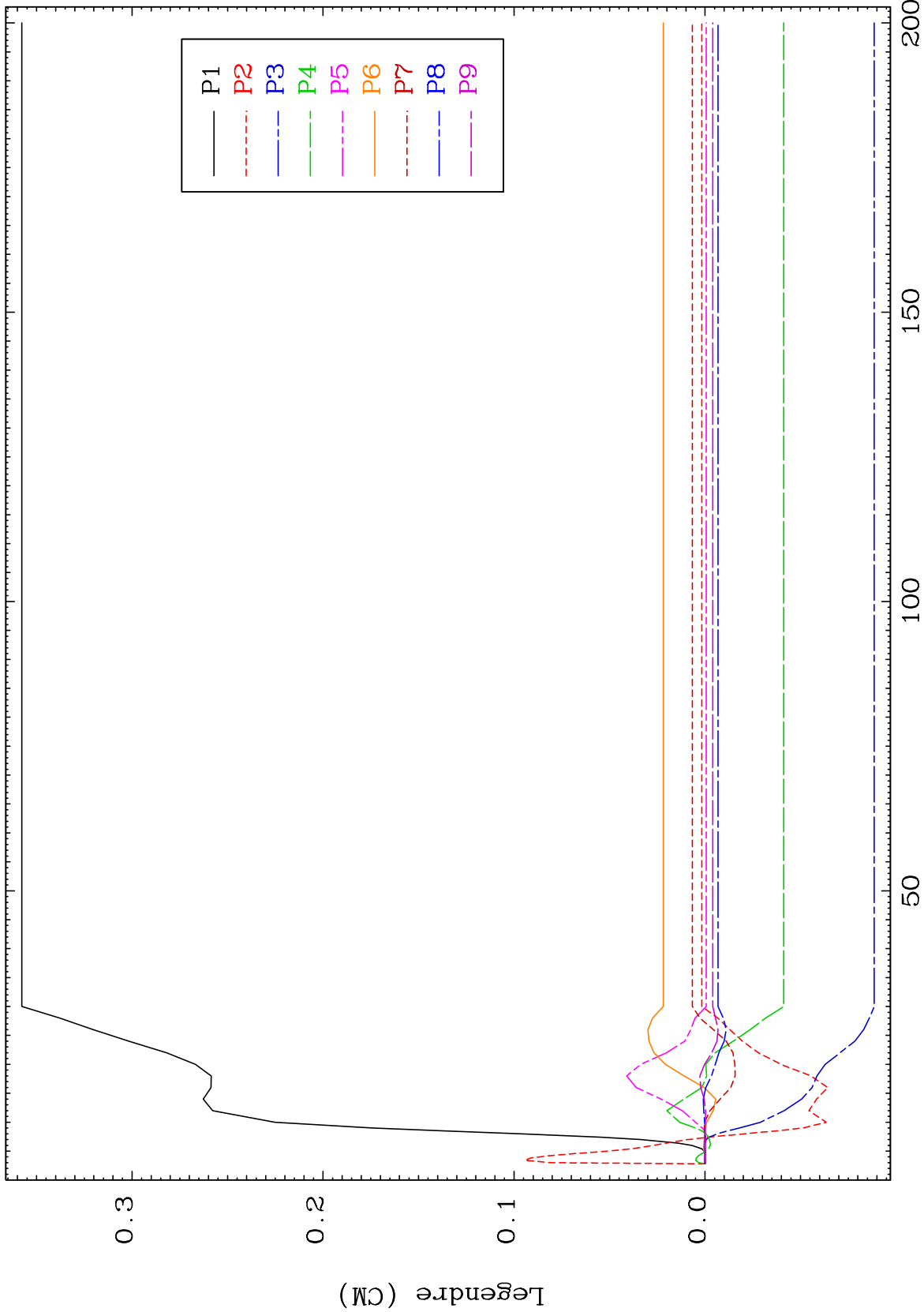
55-Cs-137

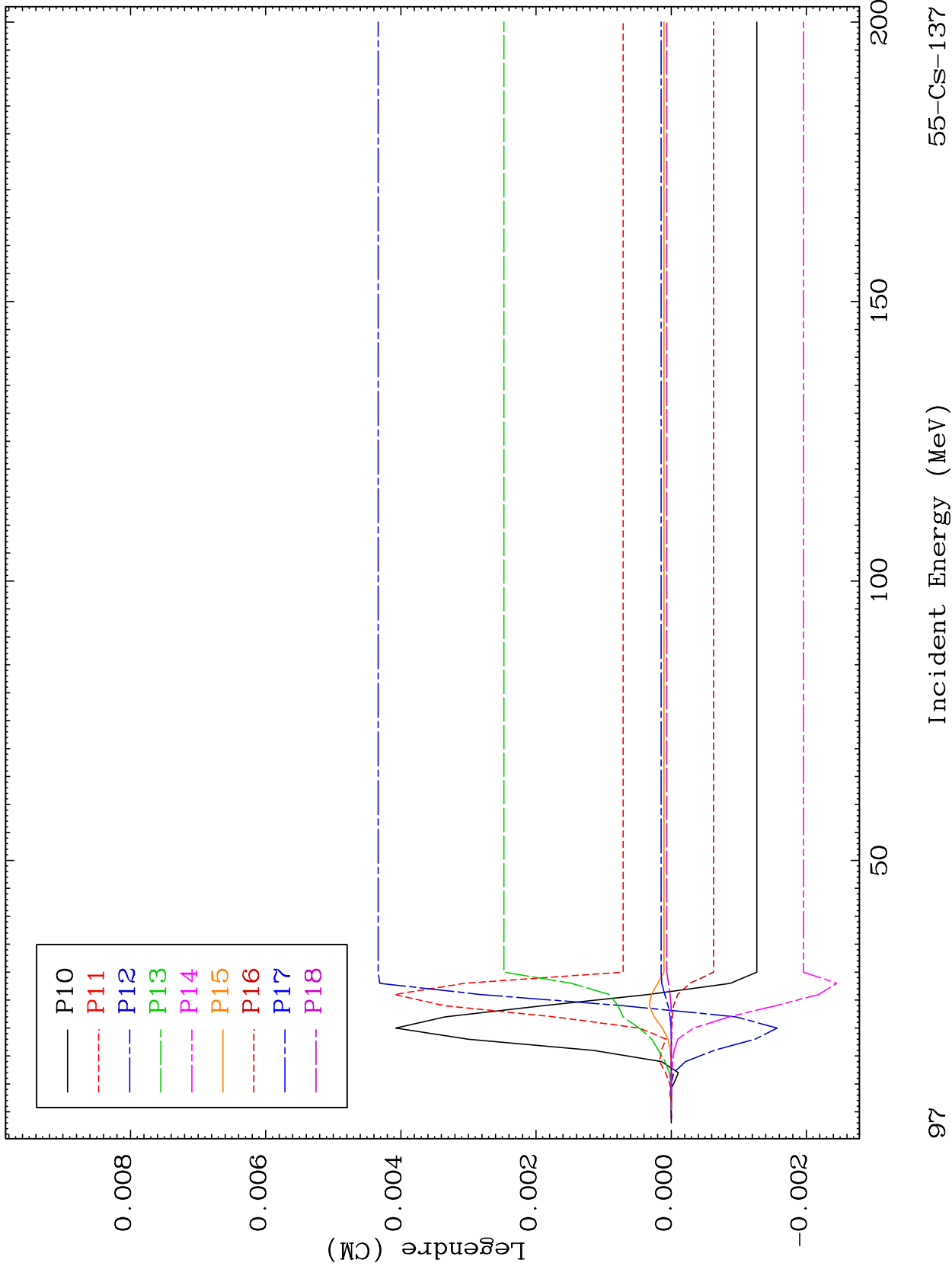


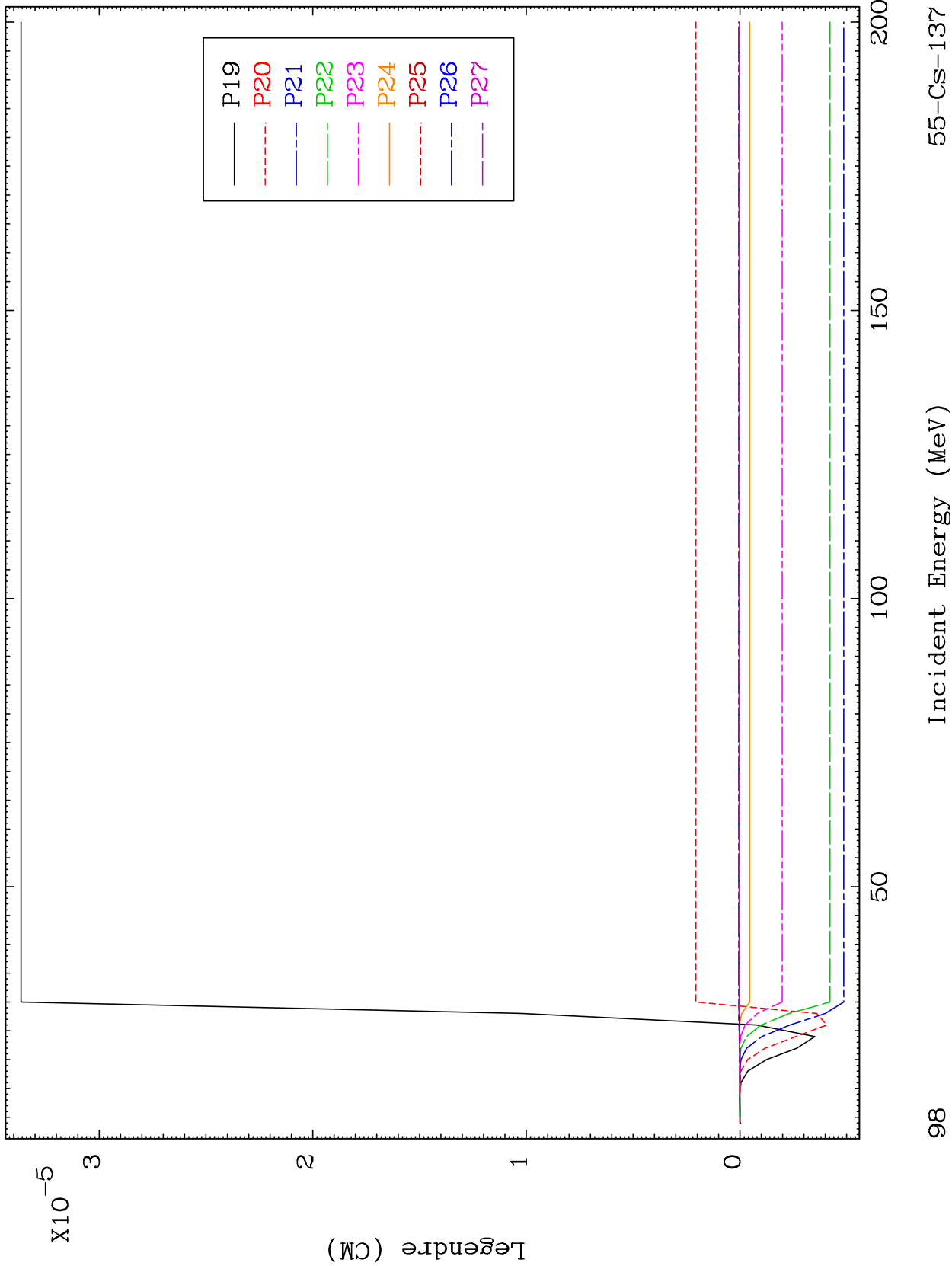
55-Cs-137

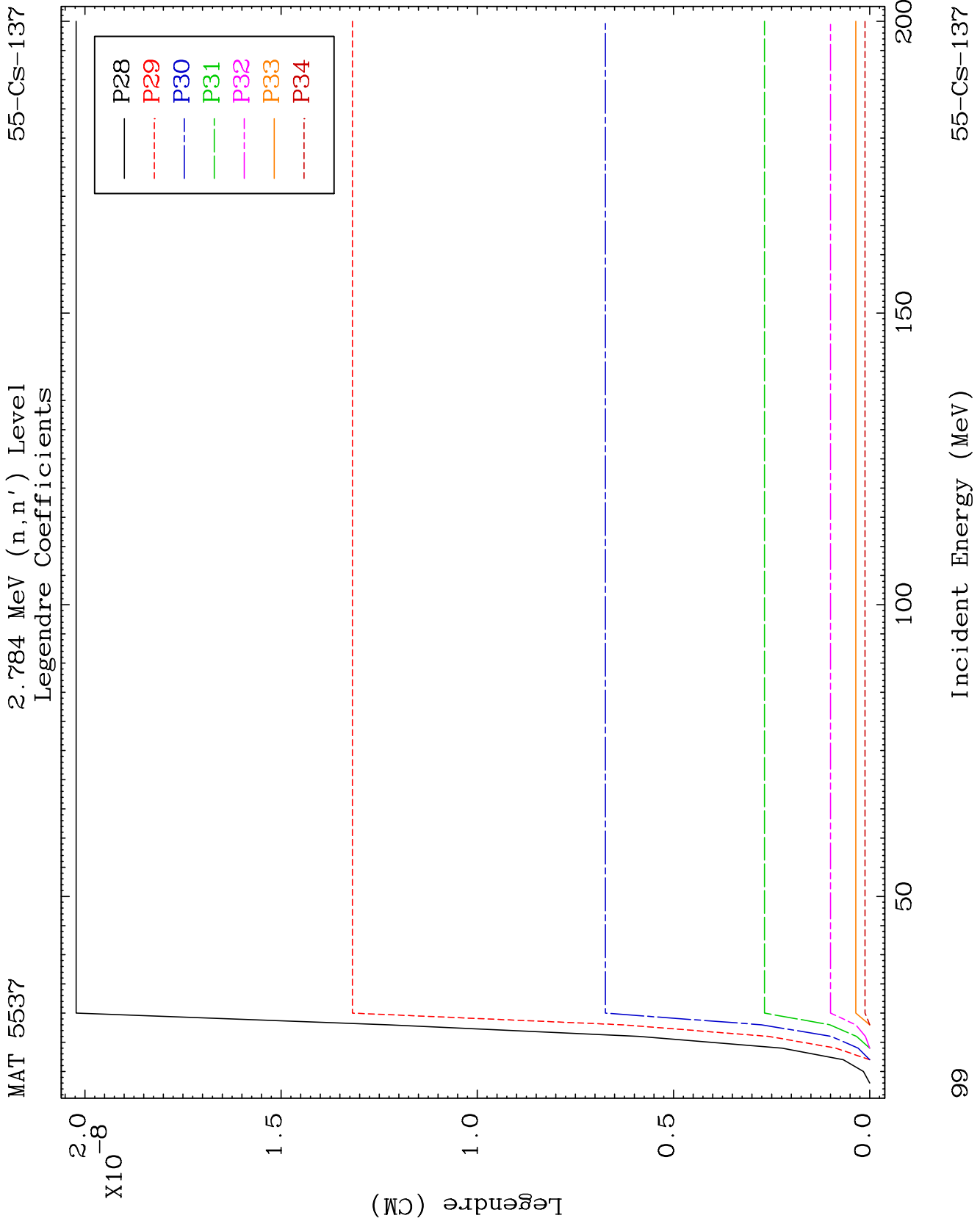
Incident Energy (MeV)

95





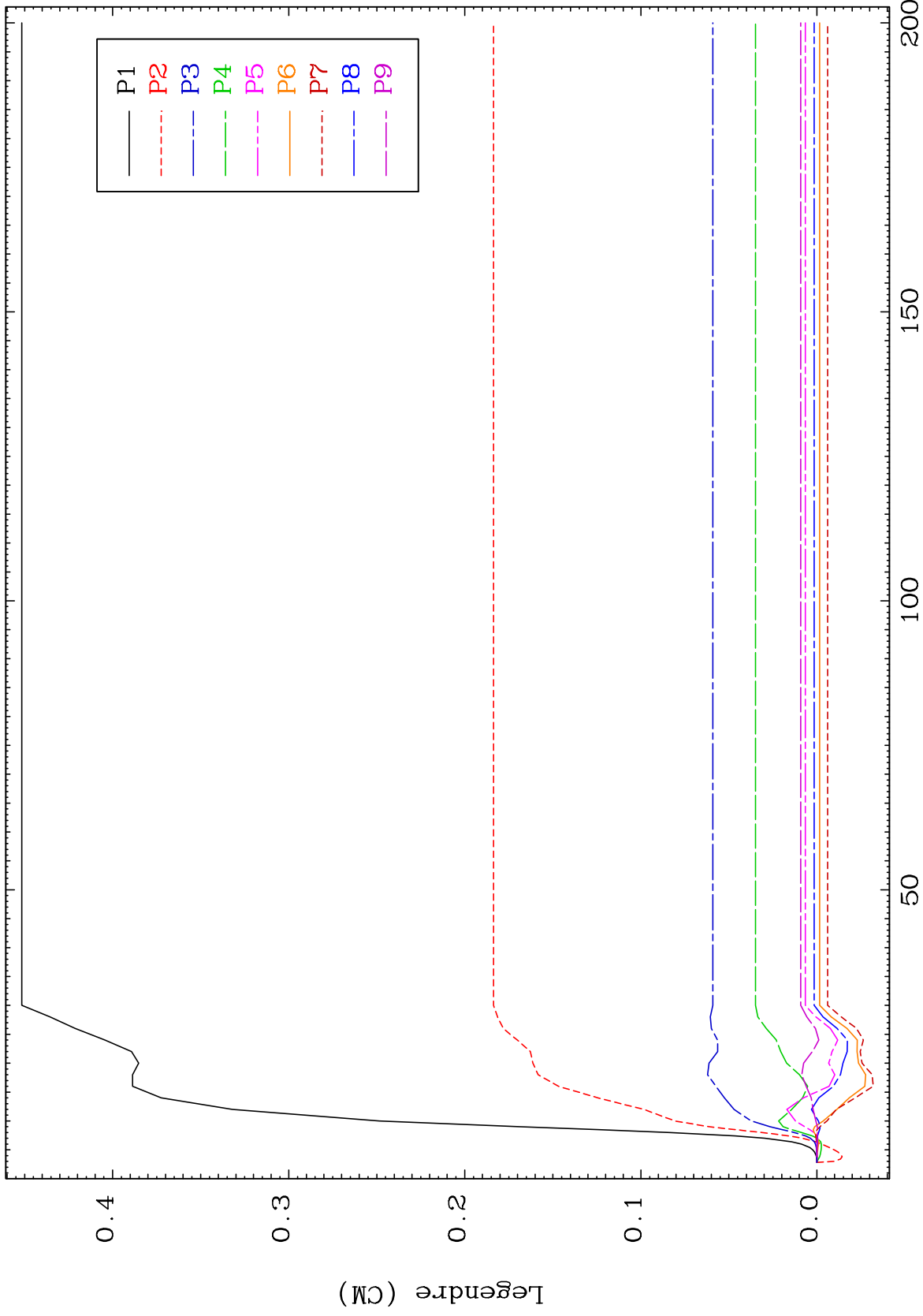




MAT 5537

2.796 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



55-Cs-137

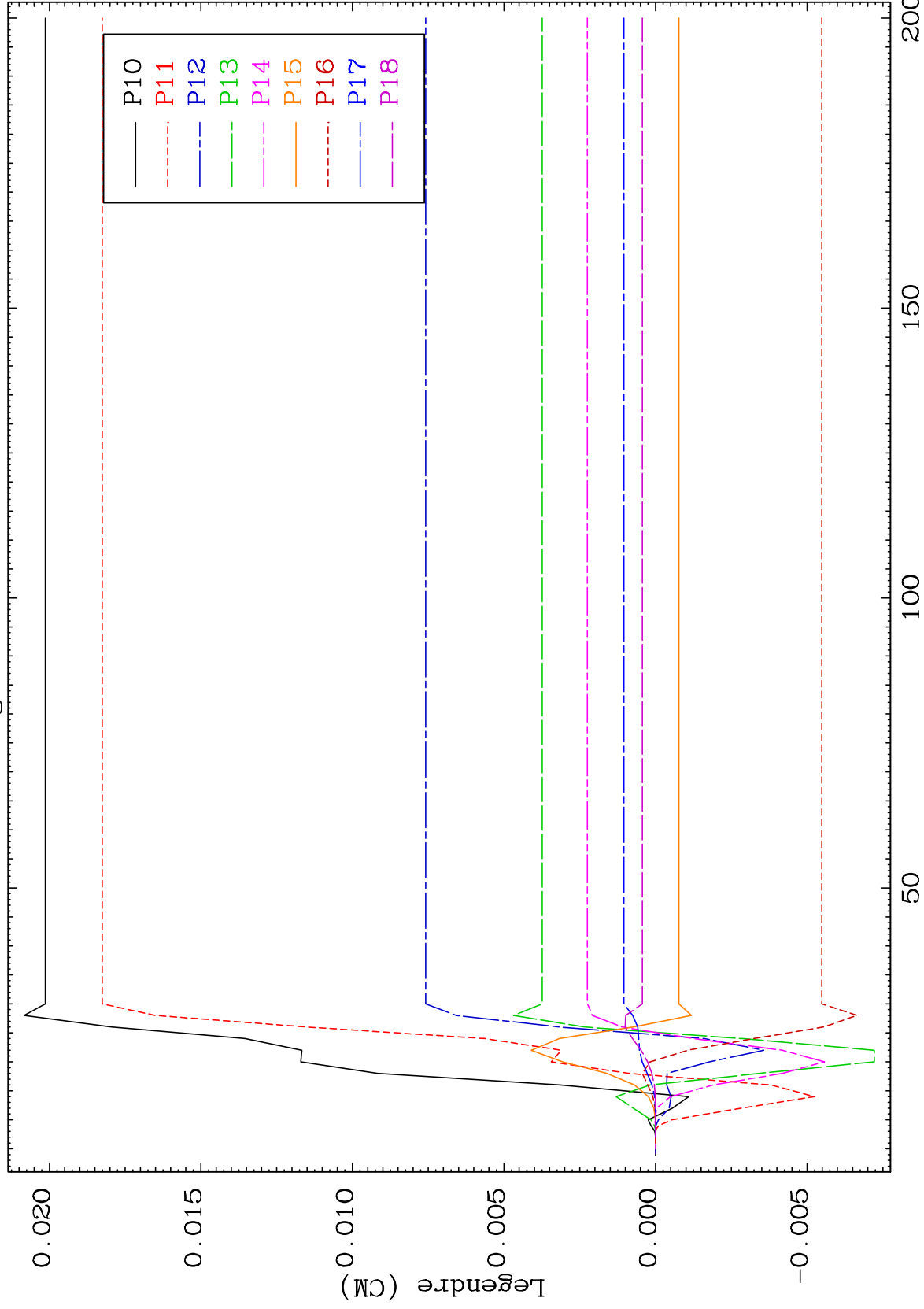
Incident Energy (MeV)

Legendre (CM)

MAT 5537

2.796 MeV (n,n') Level
Legendre Coefficients

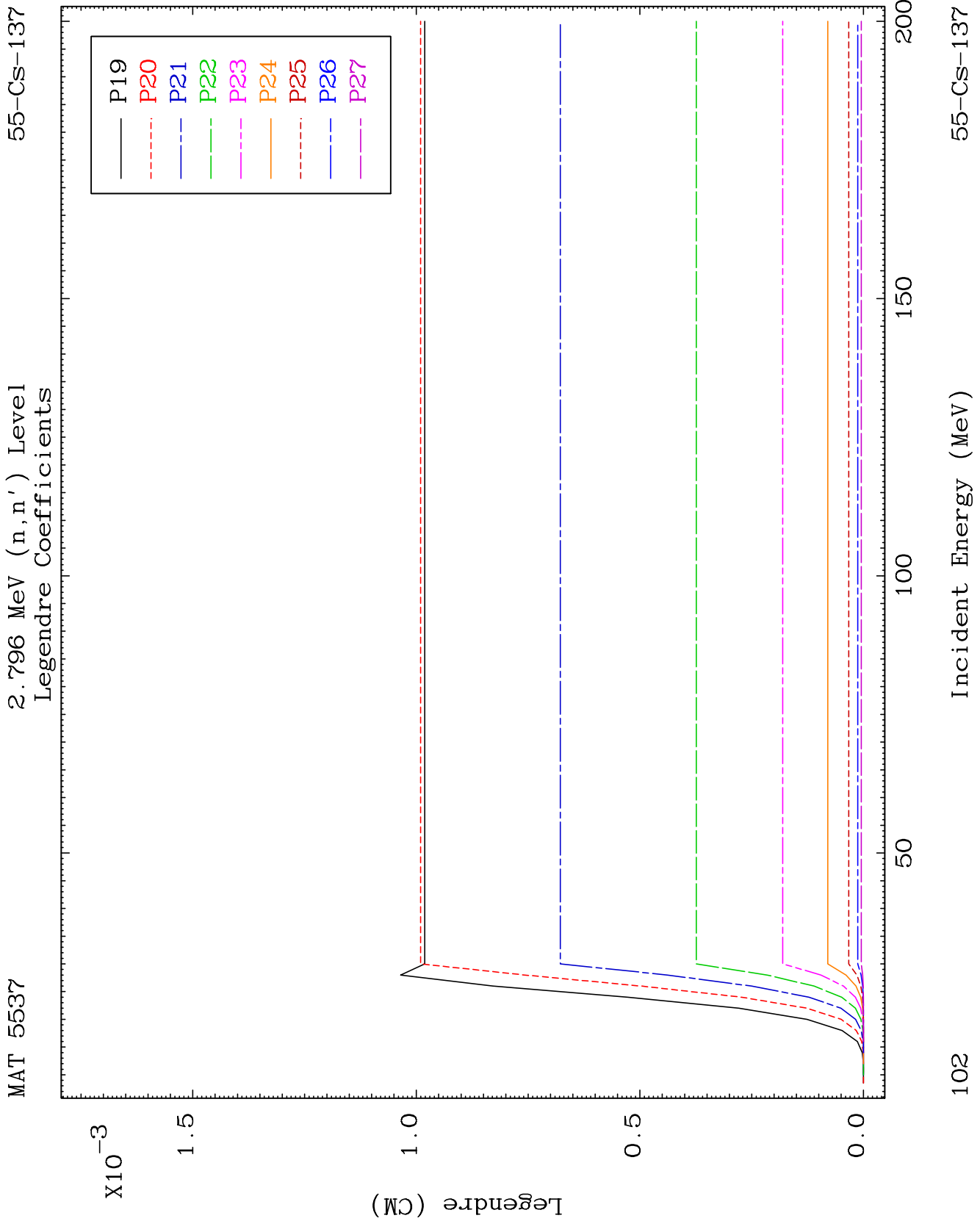
55-Cs-137



101

Incident Energy (MeV)

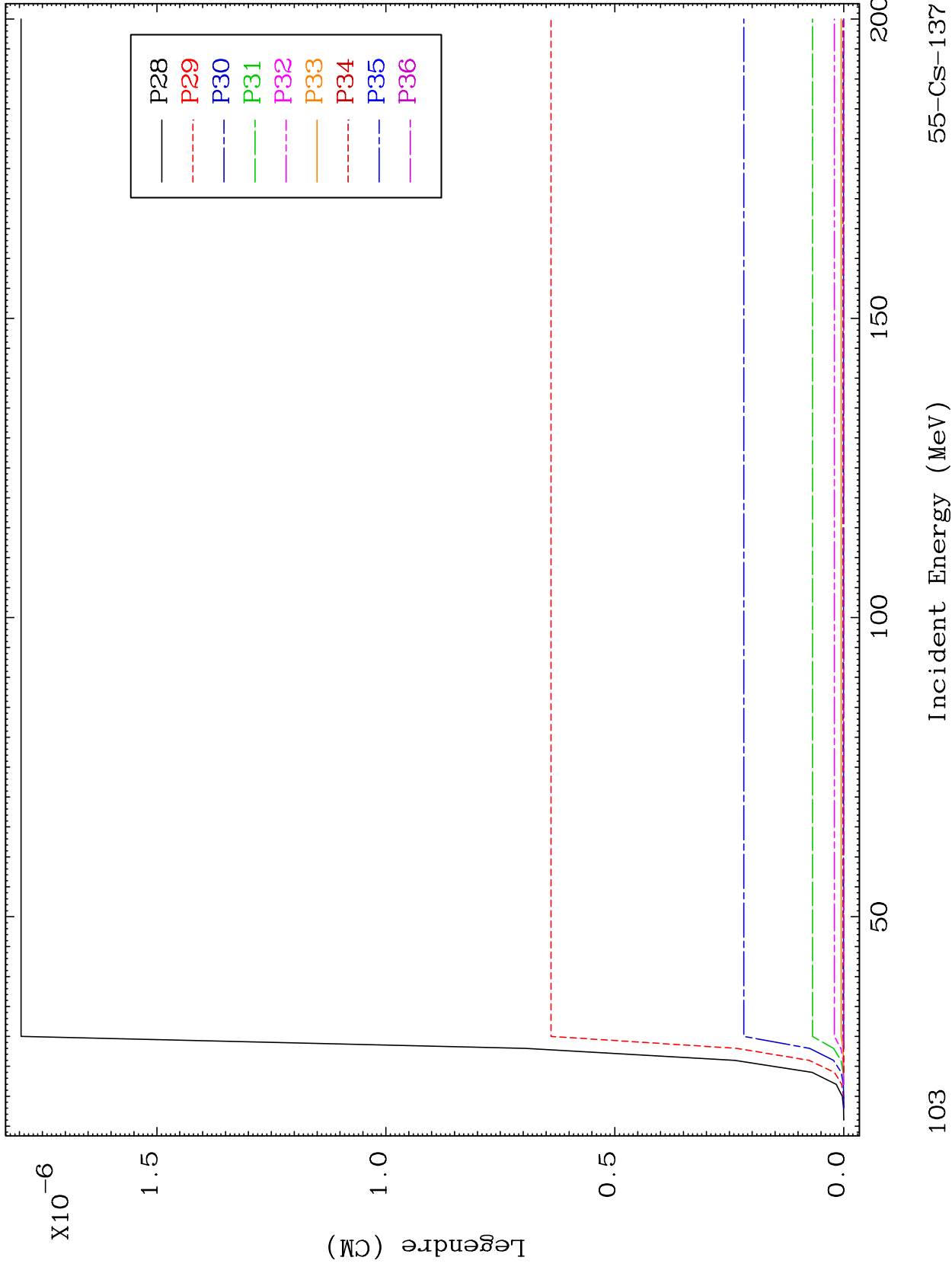
55-Cs-137



MAT 5537

2.796 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



103

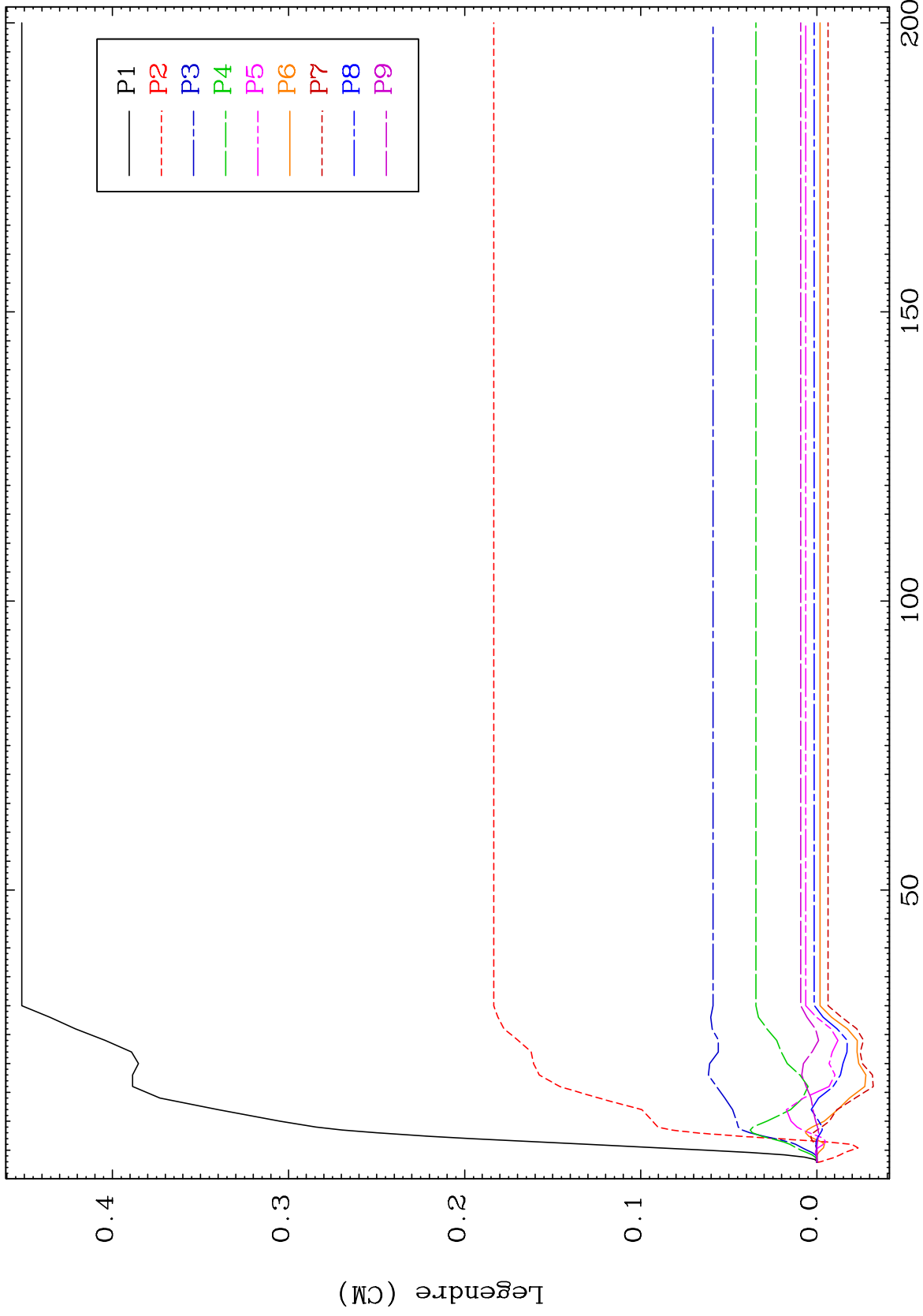
Incident Energy (MeV)

55-Cs-137

MAT 5537

2.849 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



104

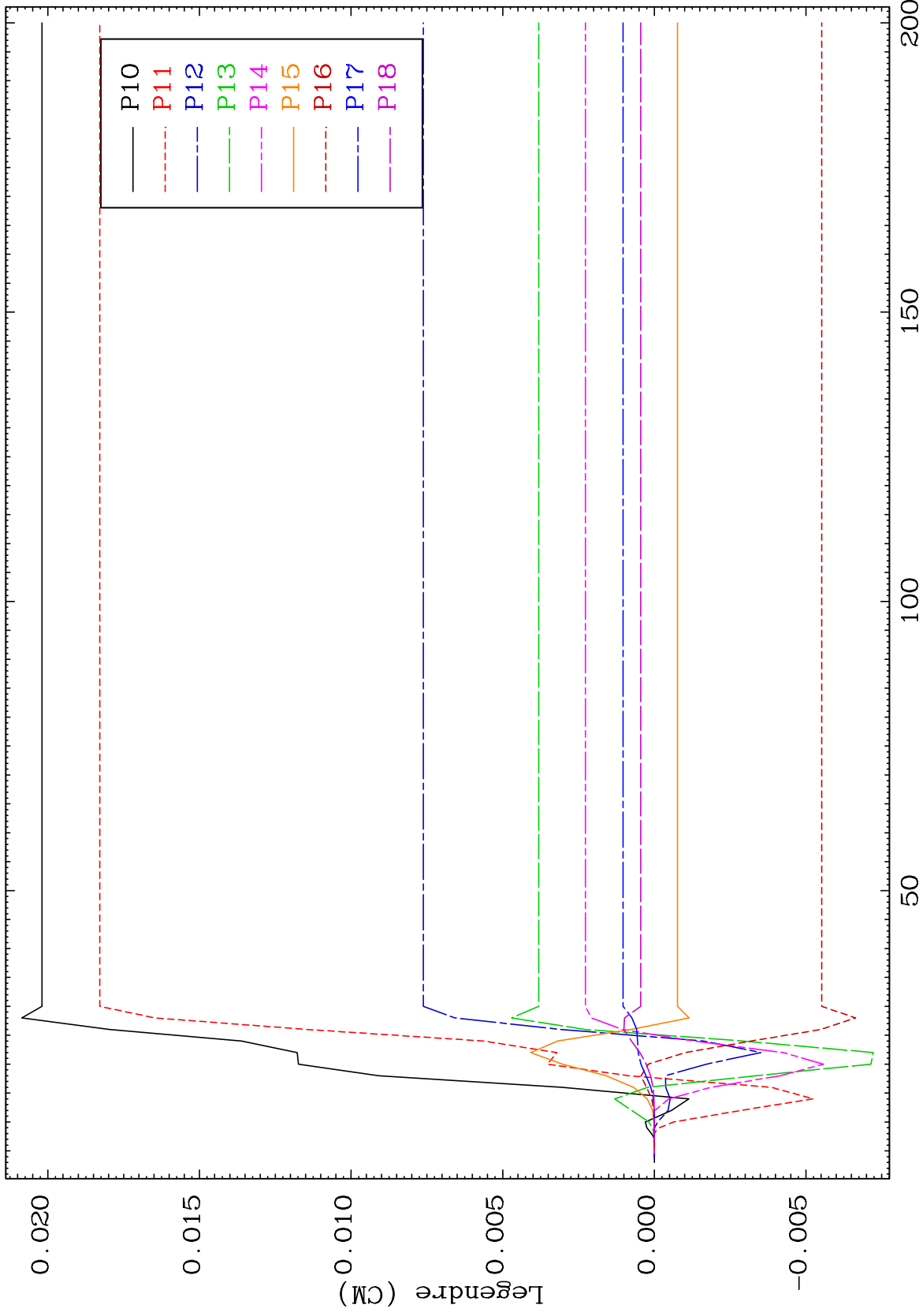
Incident Energy (MeV)

55-Cs-137

MAT 5537

2.849 MeV (n,n') Level
Legendre Coefficients

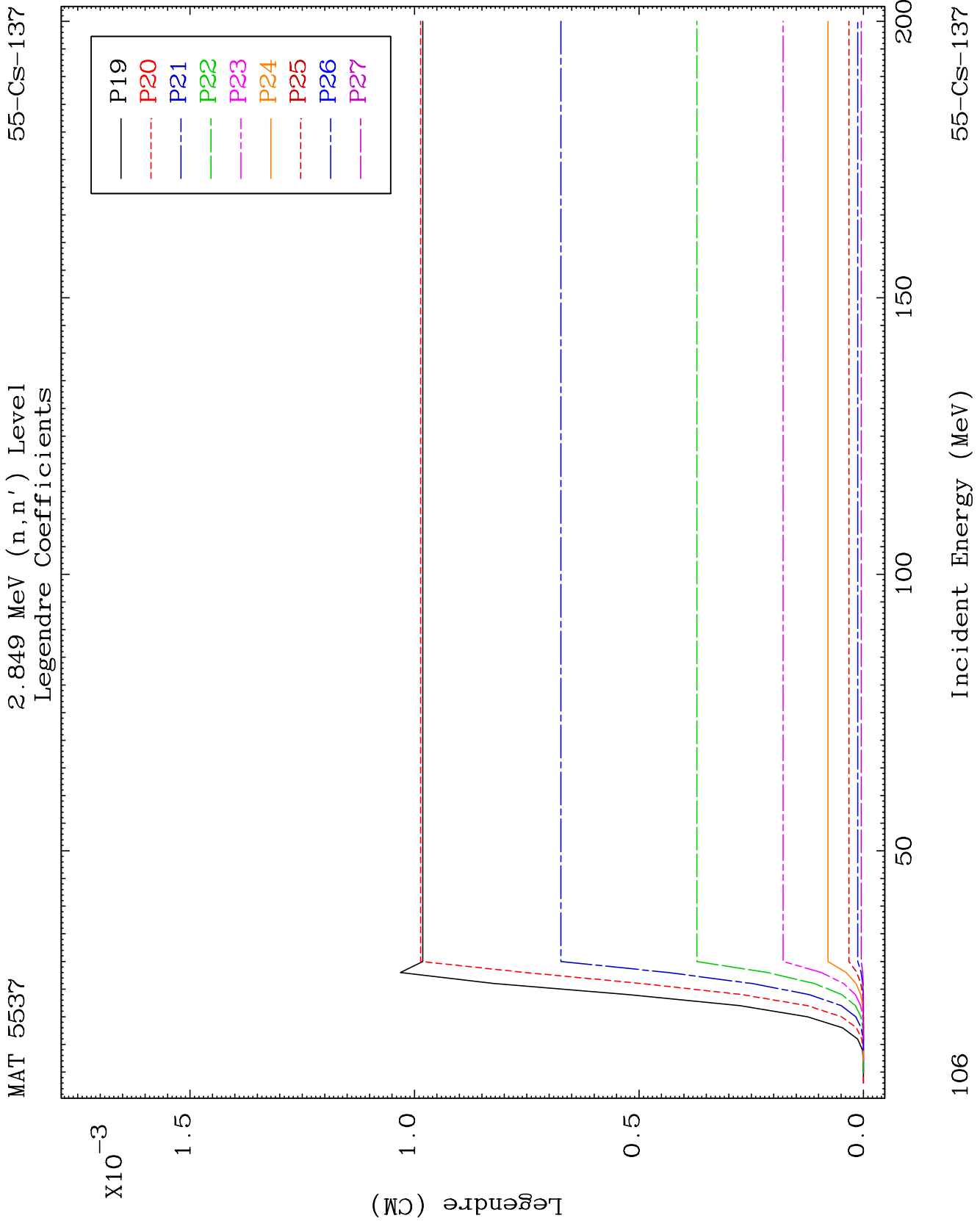
55-Cs-137



105

Incident Energy (MeV)

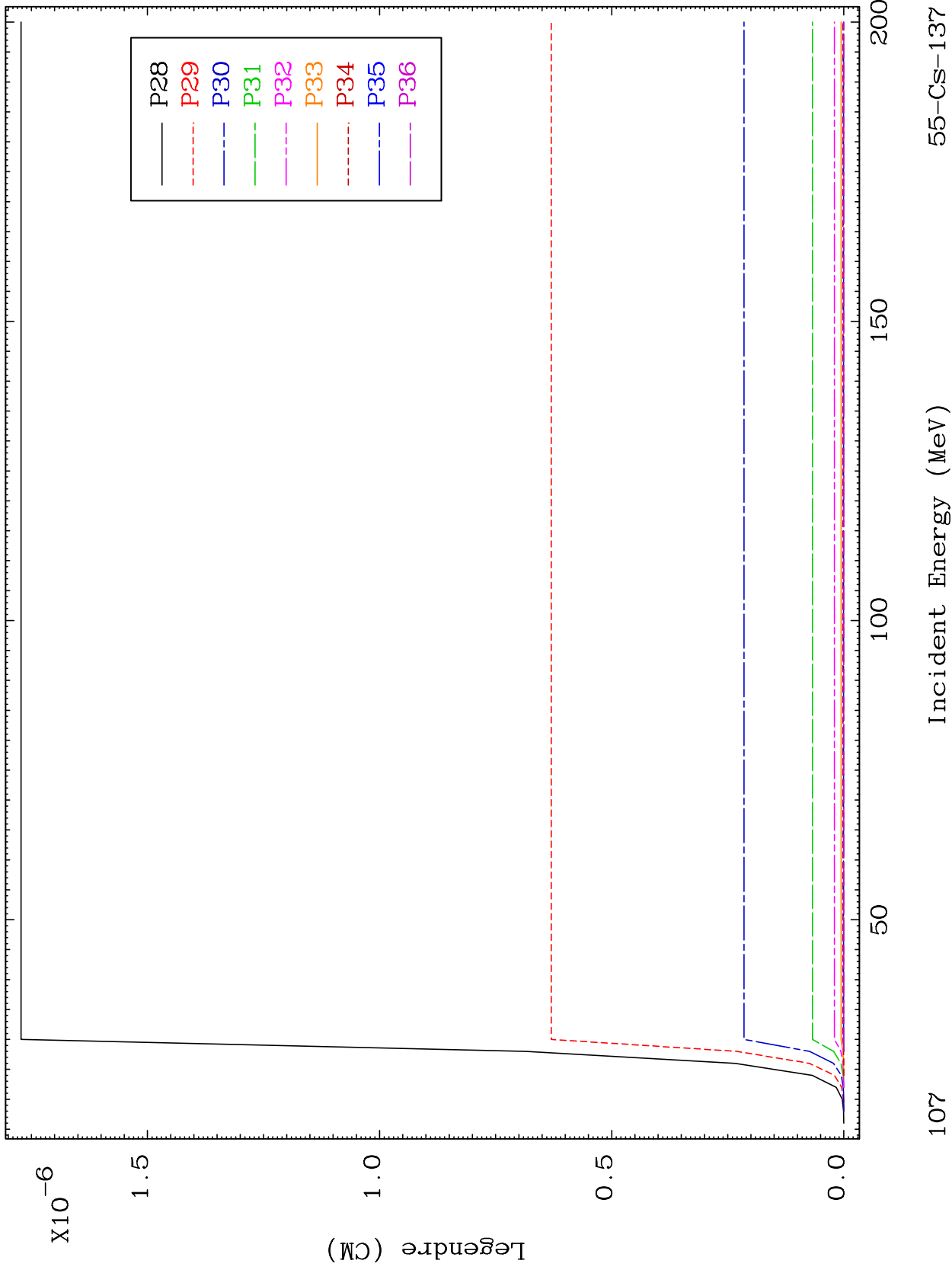
55-Cs-137



MAT 5537

2.849 MeV (n,n') Level
Legendre Coefficients

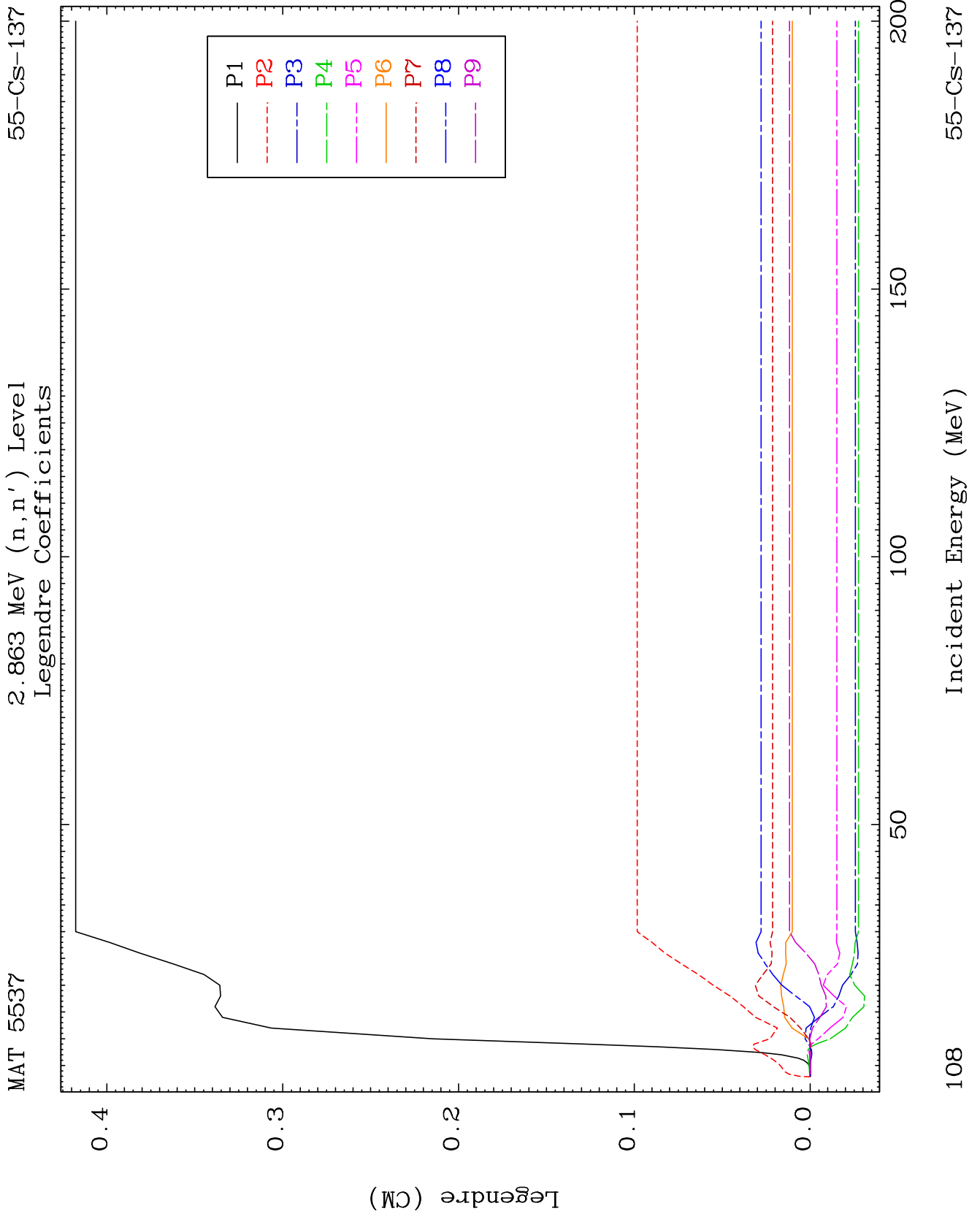
55-Cs-137

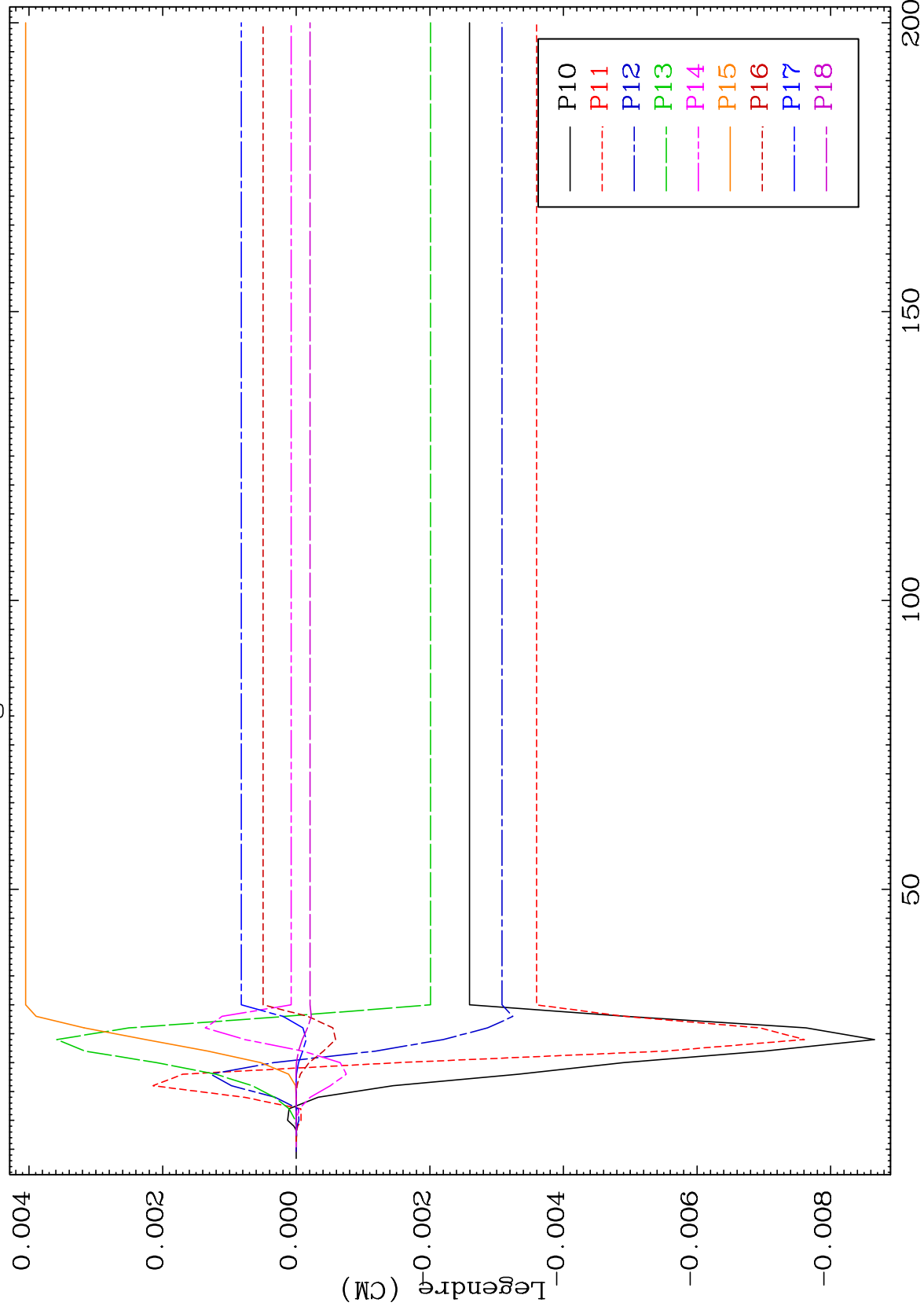


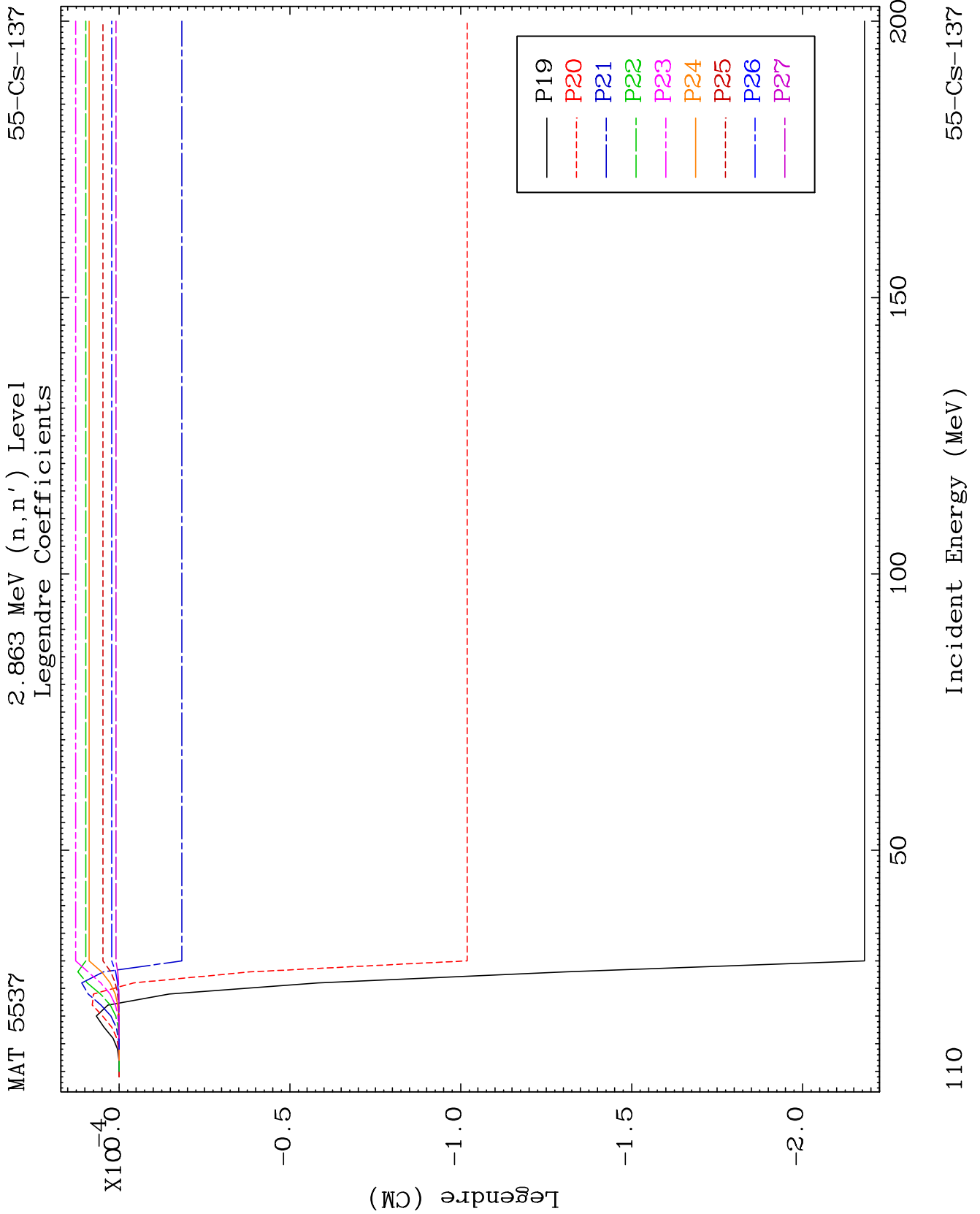
107

Incident Energy (MeV)

55-Cs-137



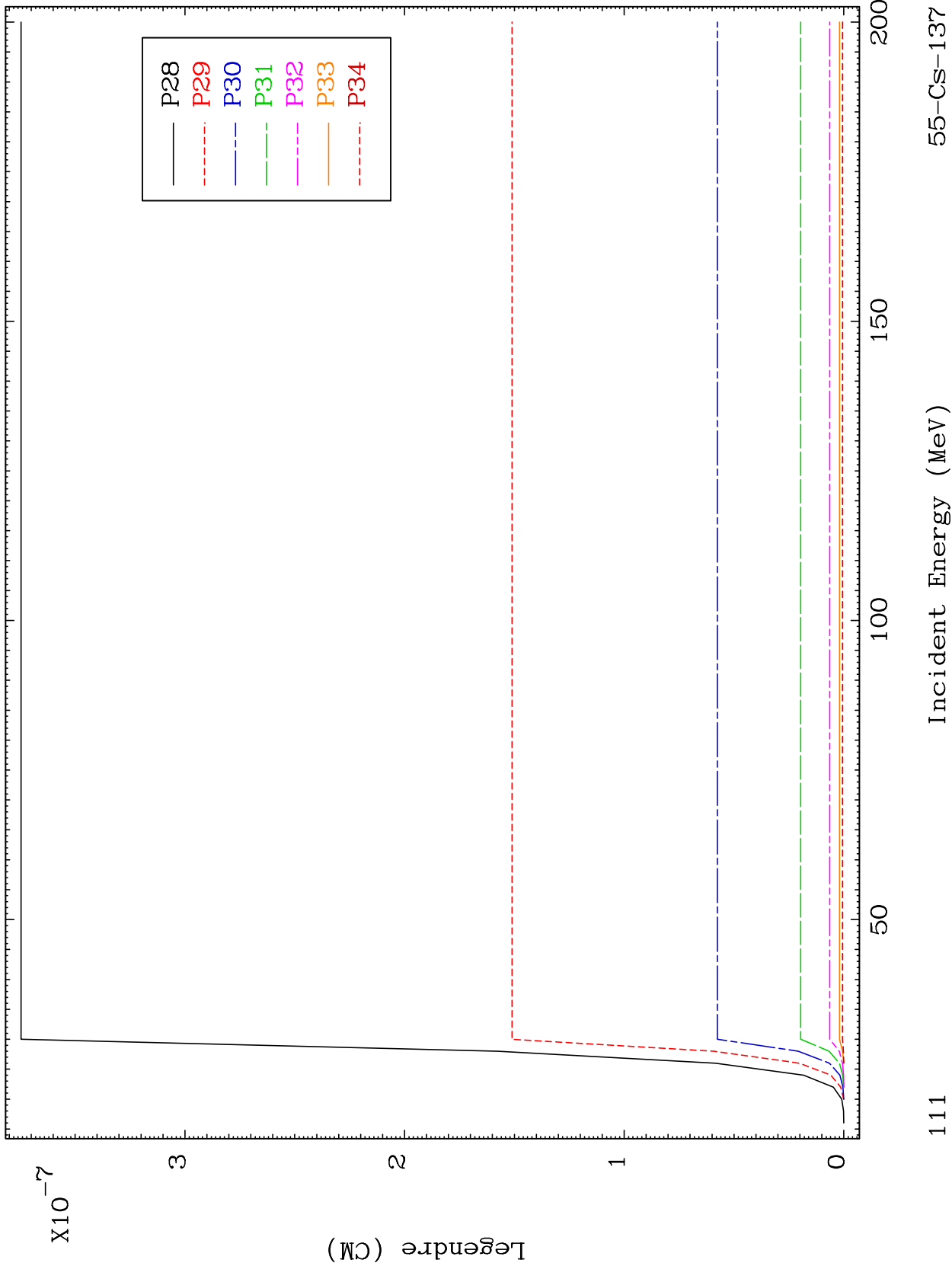




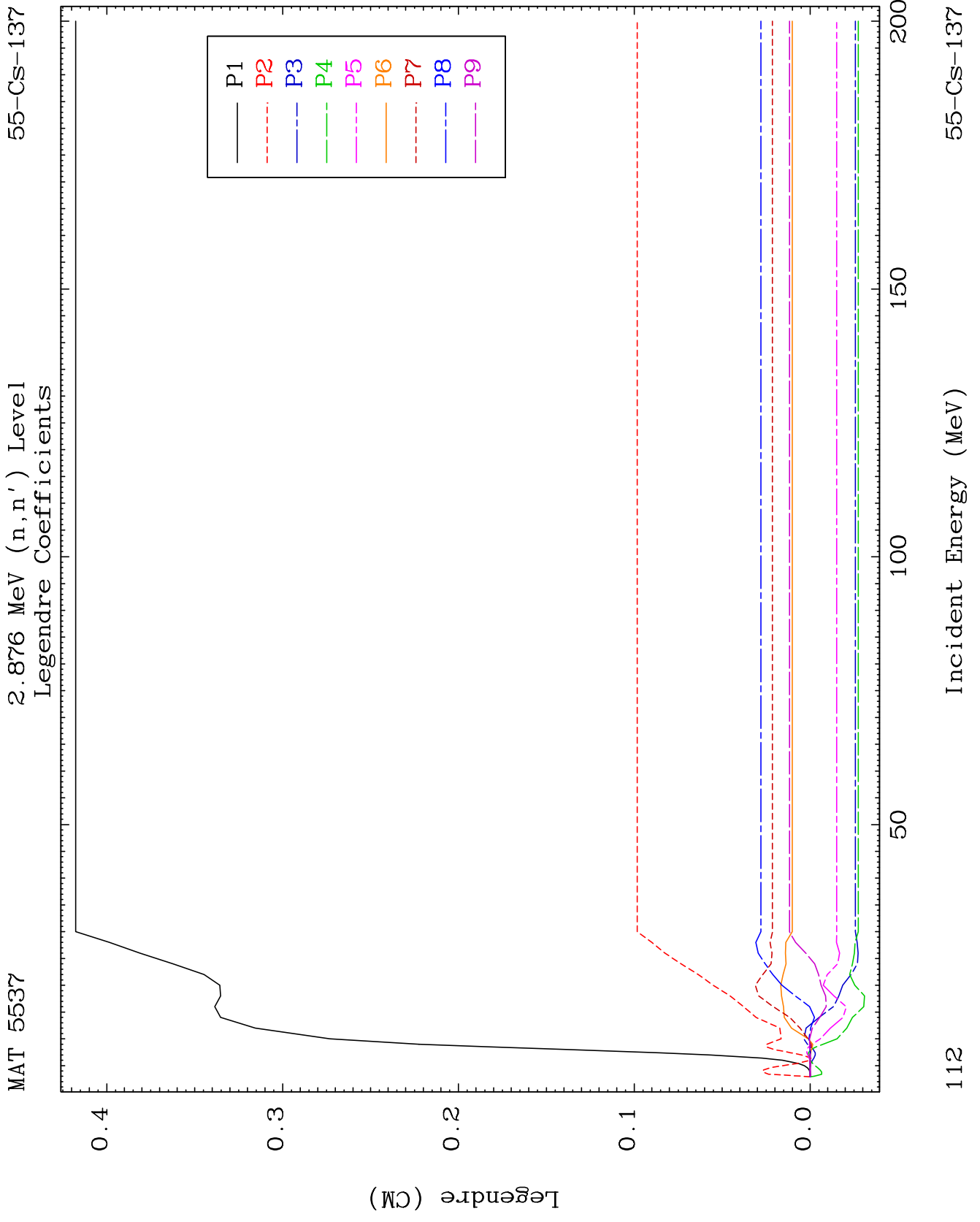
MAT 5537

2.863 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



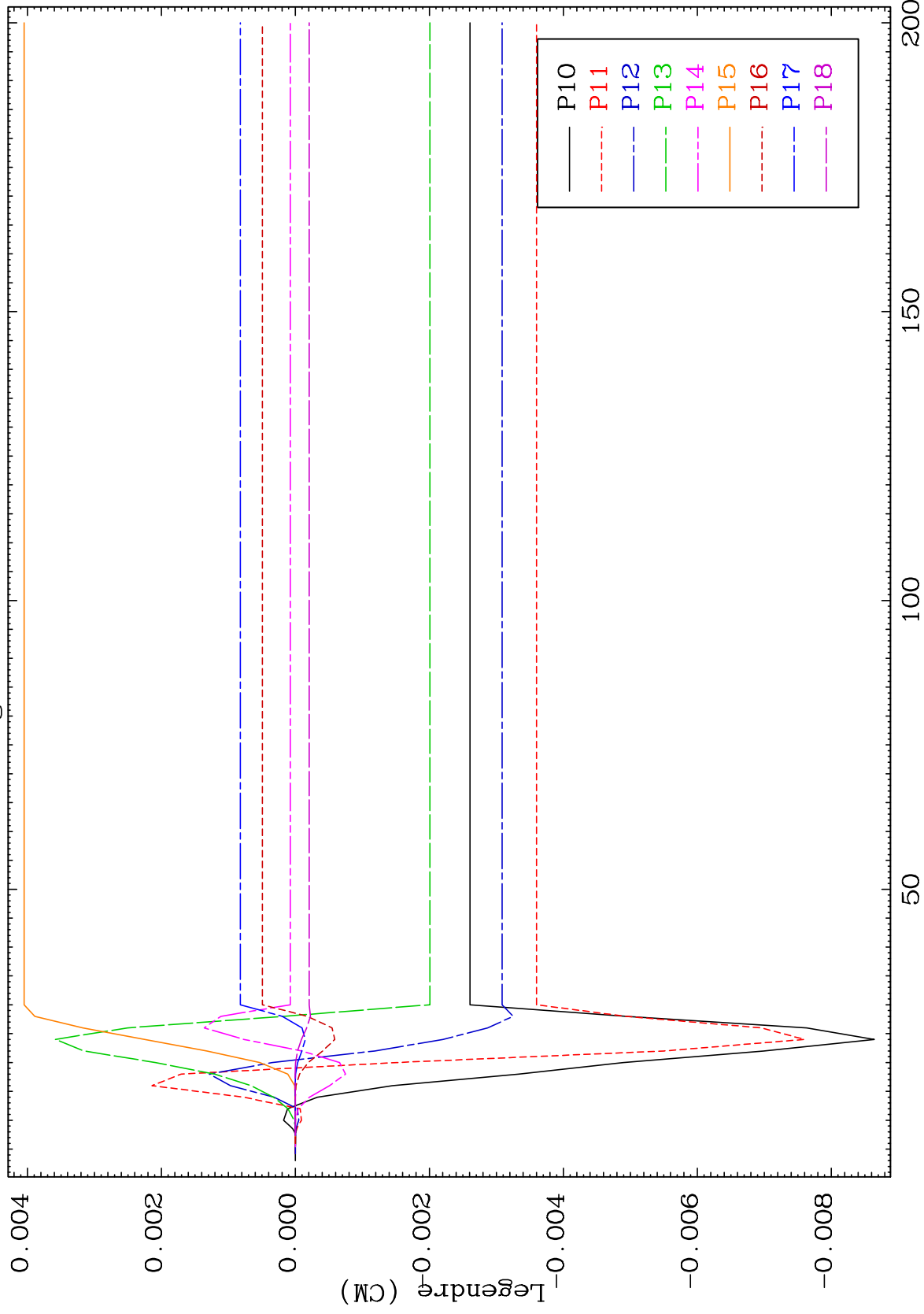
111



MAT 5537

2.876 MeV (n,n') Level
Legendre Coefficients

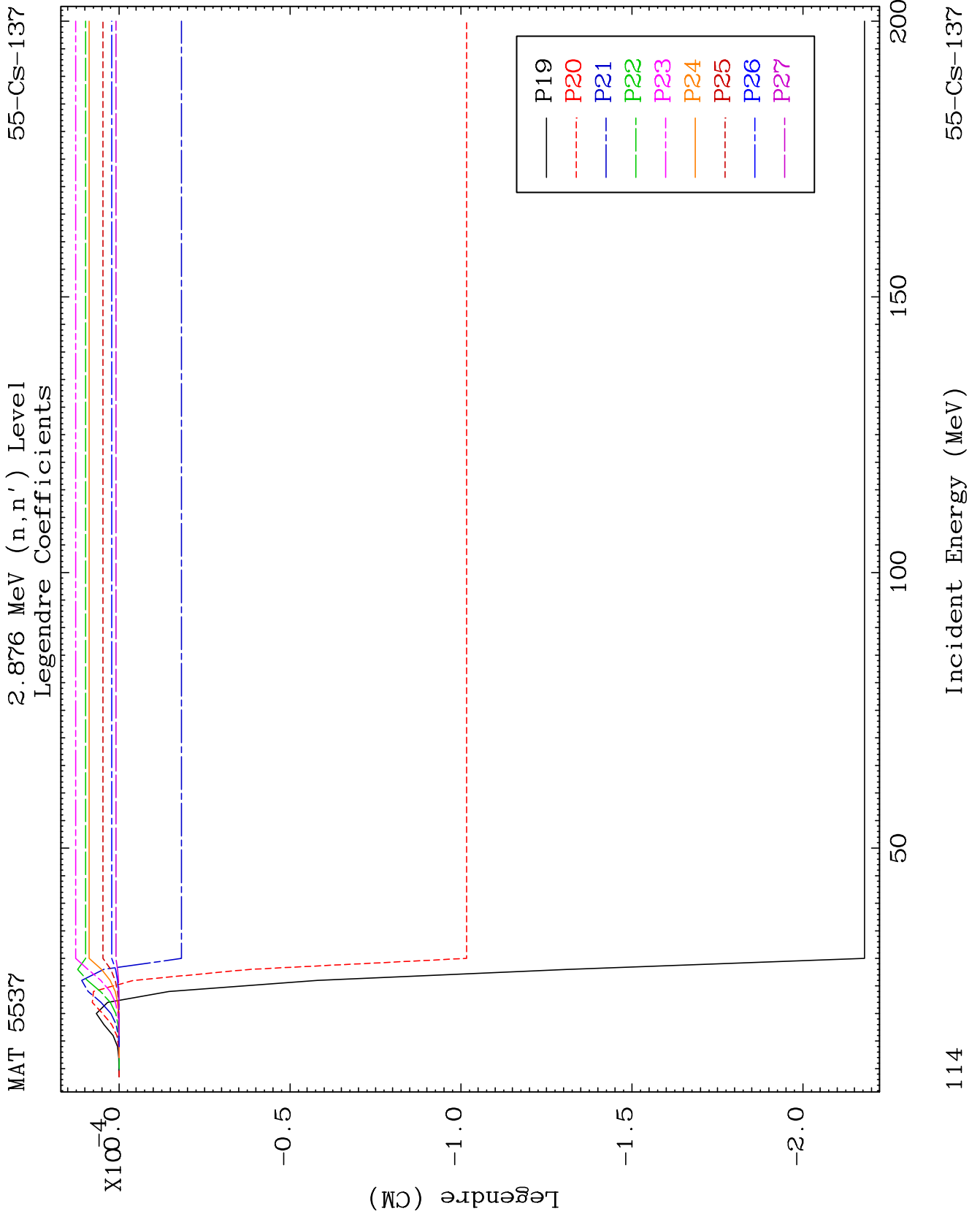
55-Cs-137



113

Incident Energy (MeV)

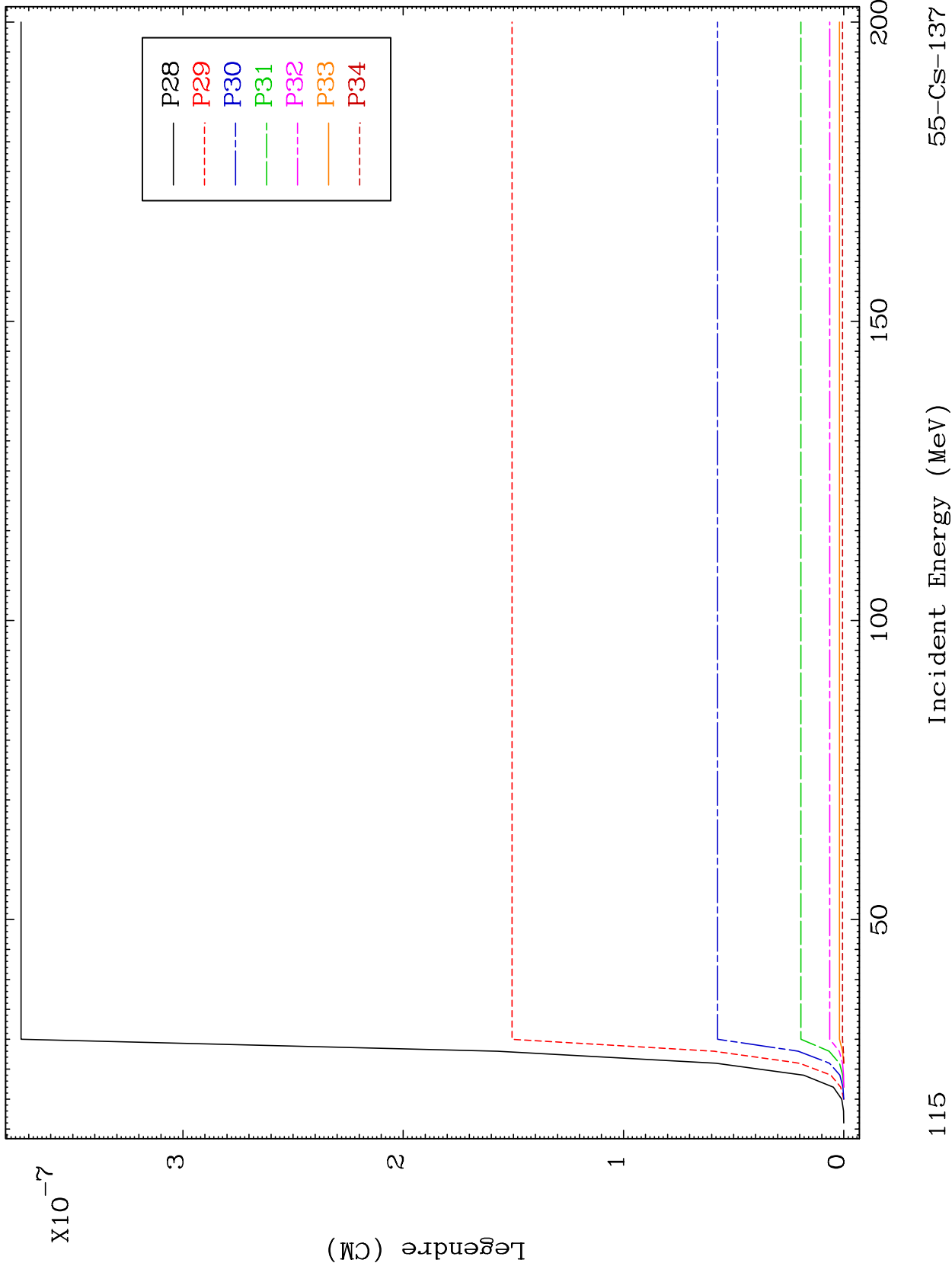
55-Cs-137

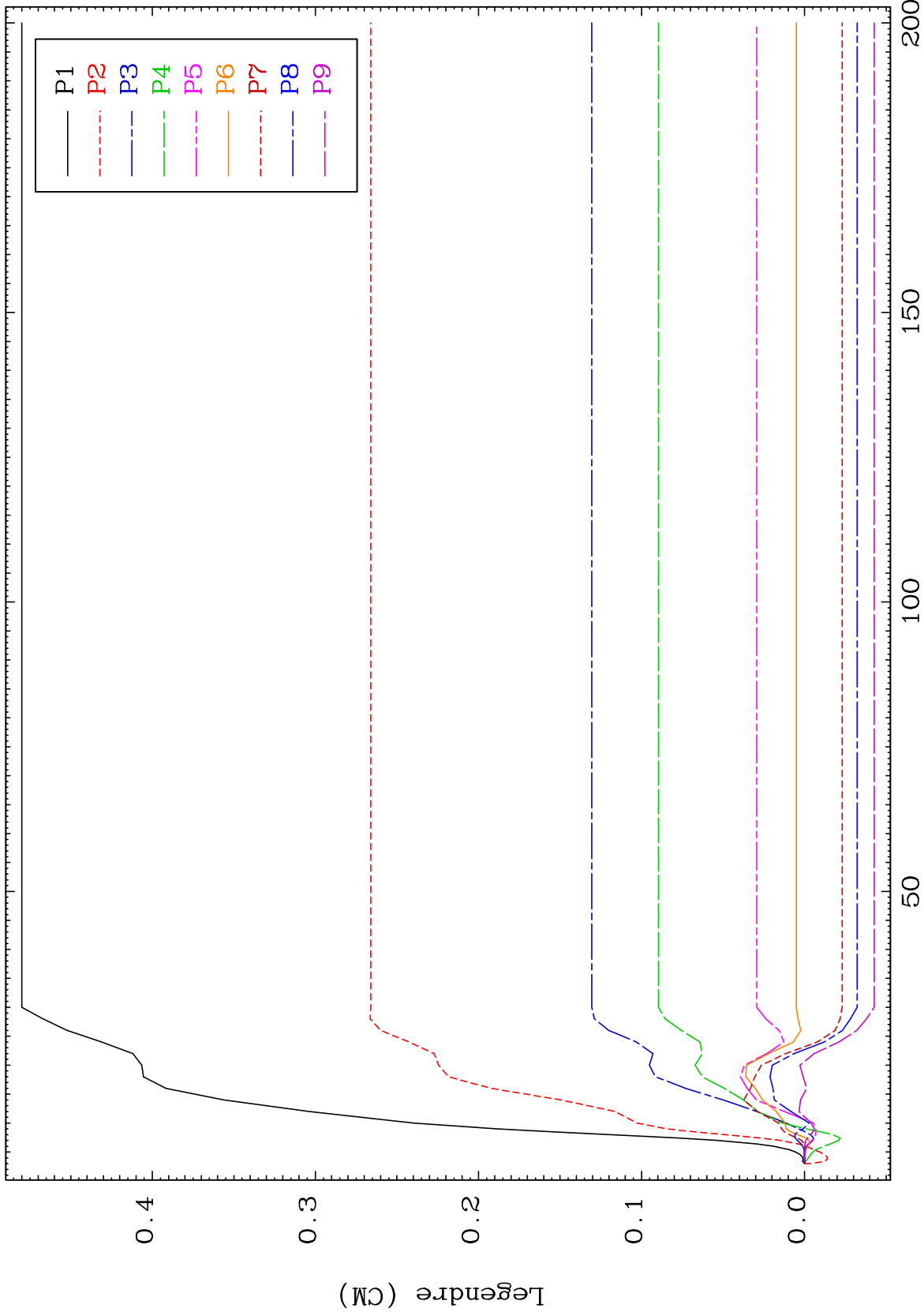


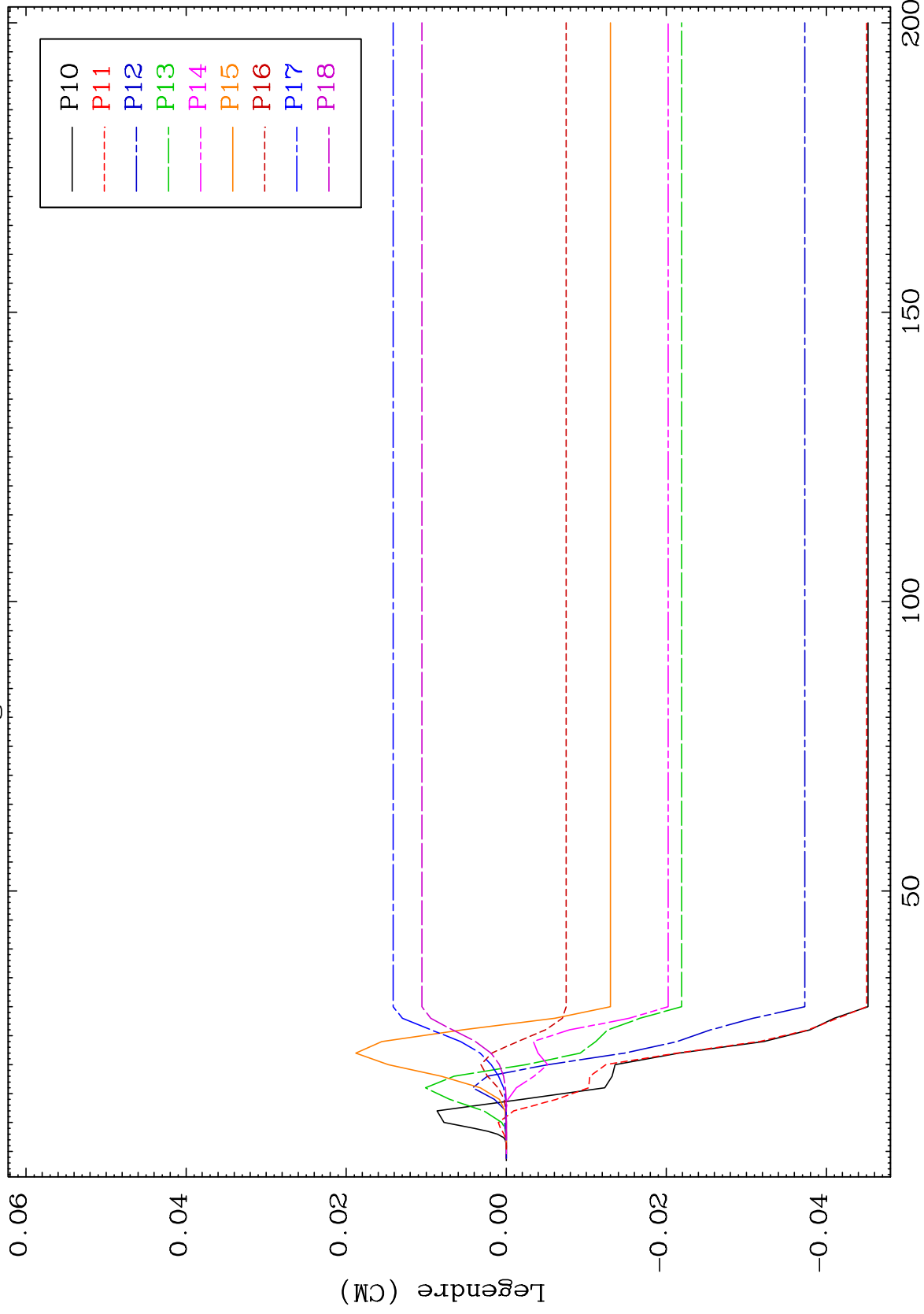
MAT 5537

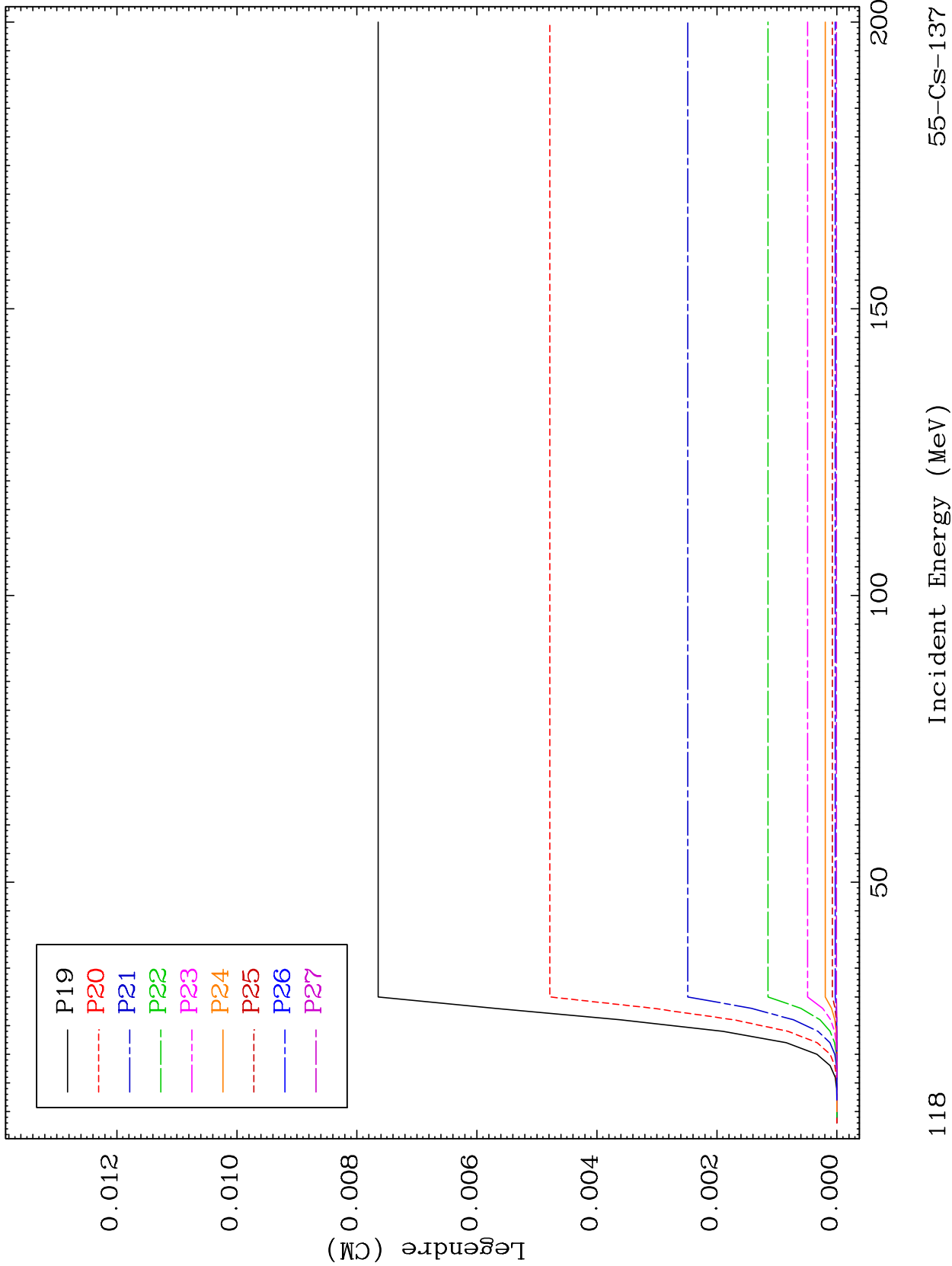
2.876 MeV (n,n') Level
Legendre Coefficients

55-Cs-137





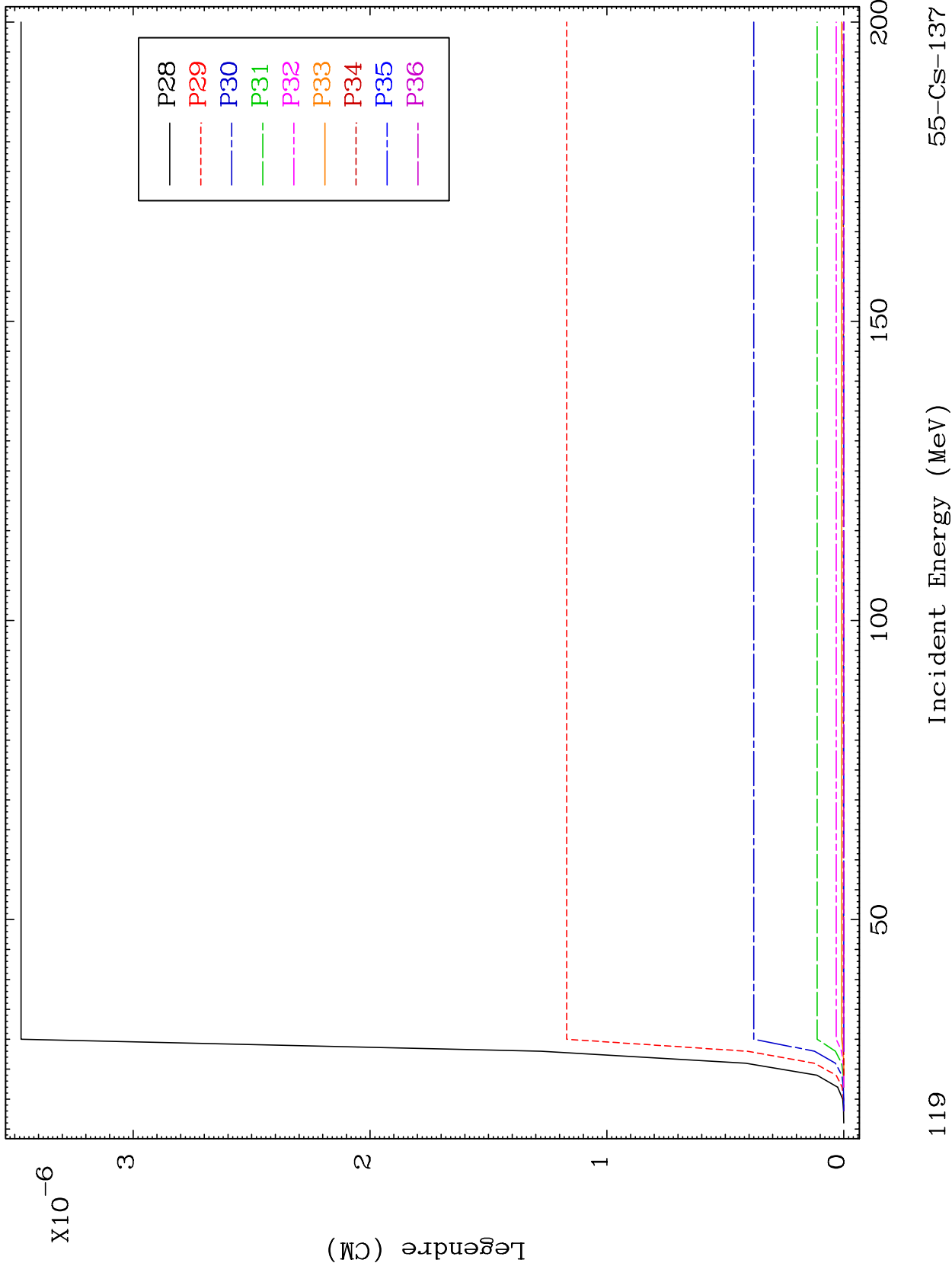




MAT 5537

2.945 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



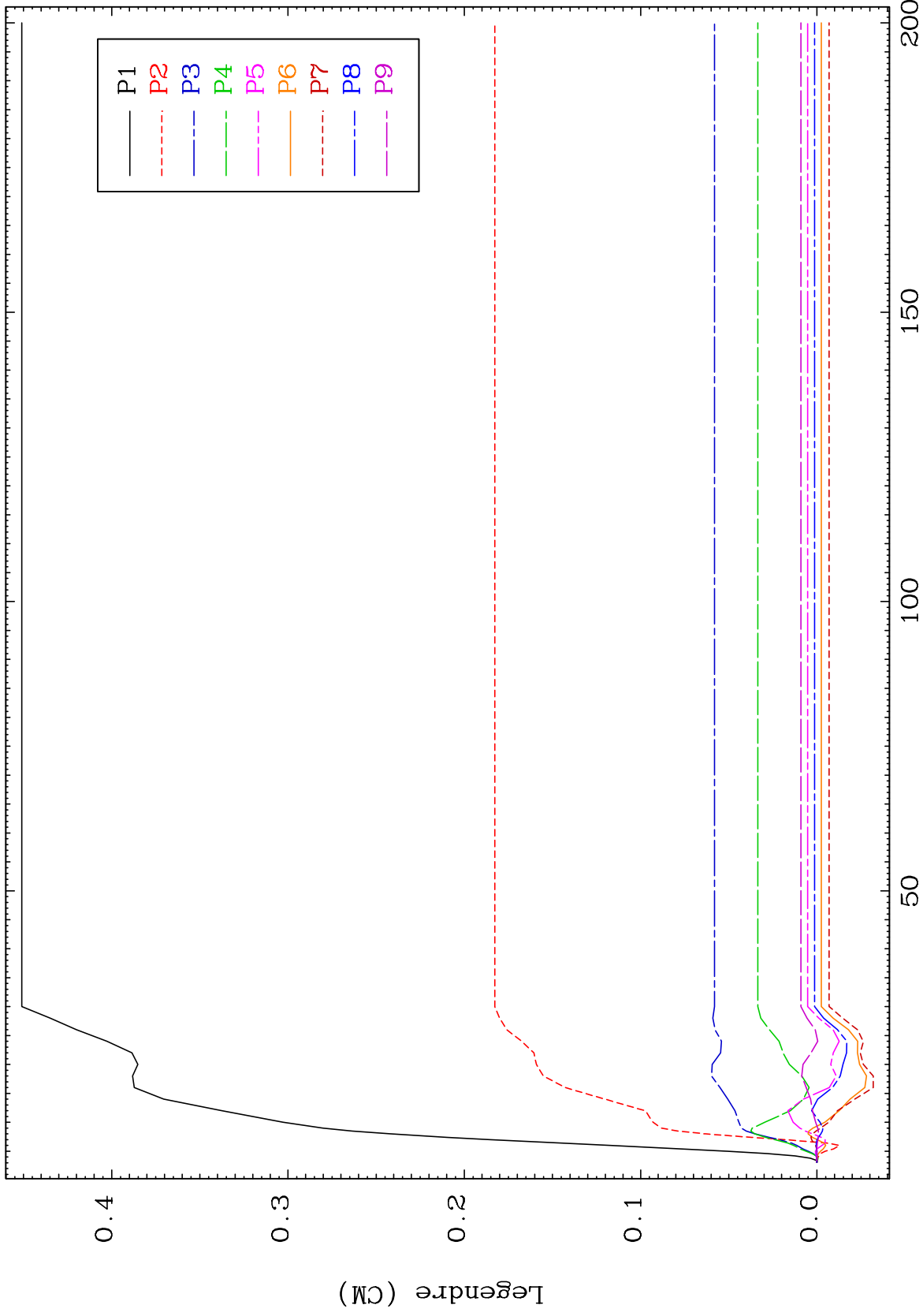
119

55-Cs-137

MAT 5537

3.037 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



120

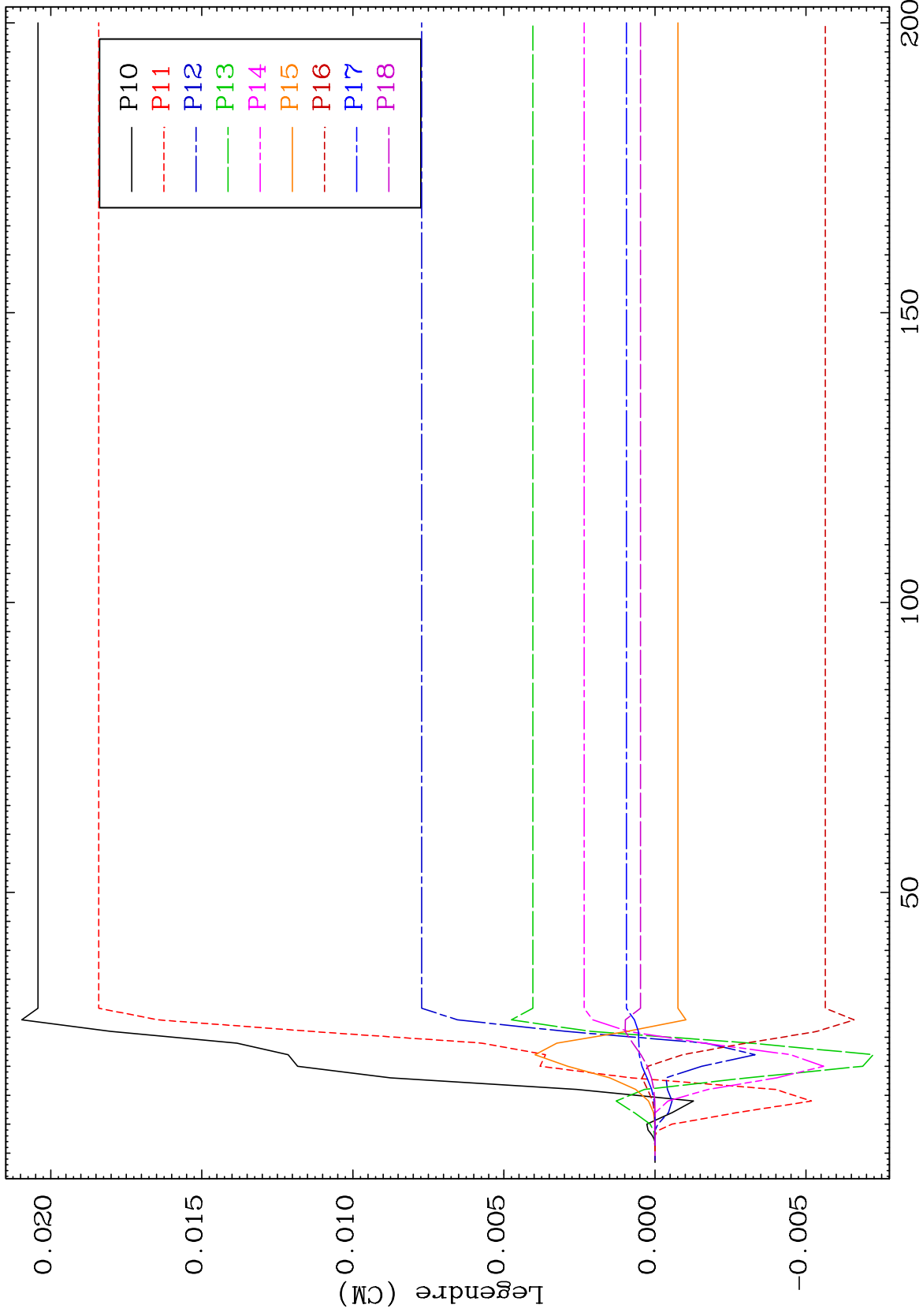
Incident Energy (MeV)

55-Cs-137

MAT 5537

3.037 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



121

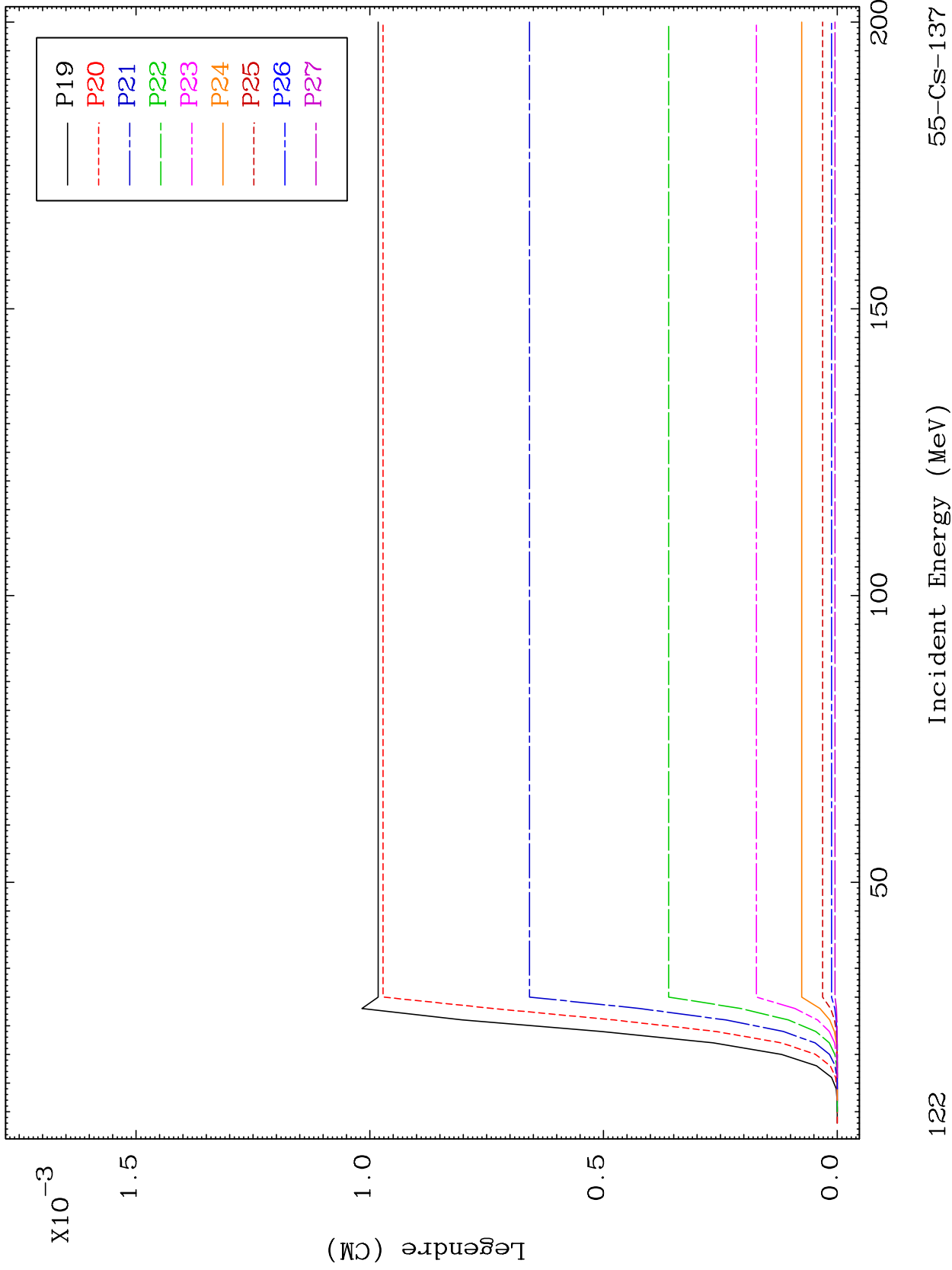
Incident Energy (MeV)

55-Cs-137

MAT 5537

3.037 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



122

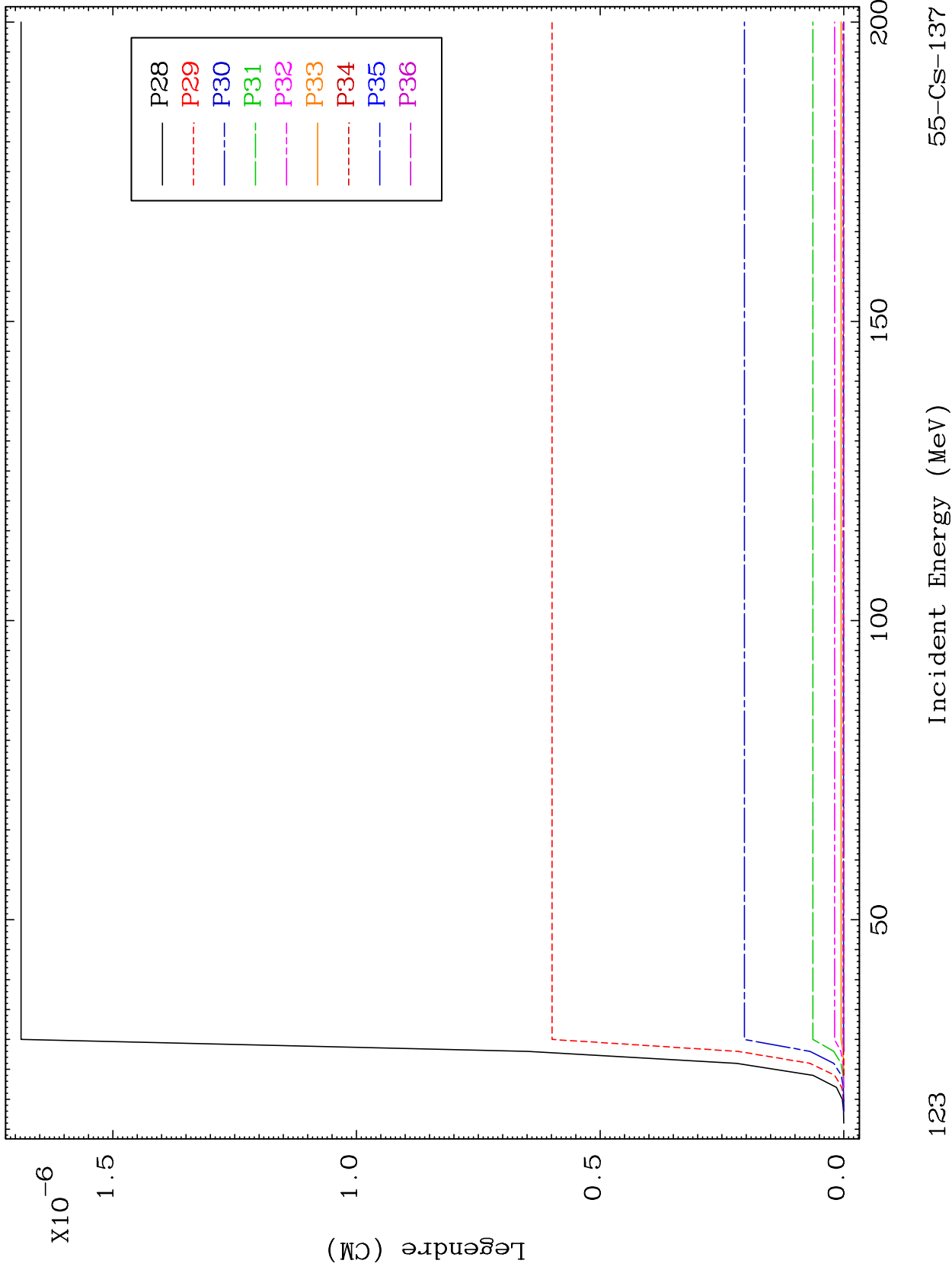
Incident Energy (MeV)

55-Cs-137

MAT 5537

3.037 MeV (n,n') Level
Legendre Coefficients

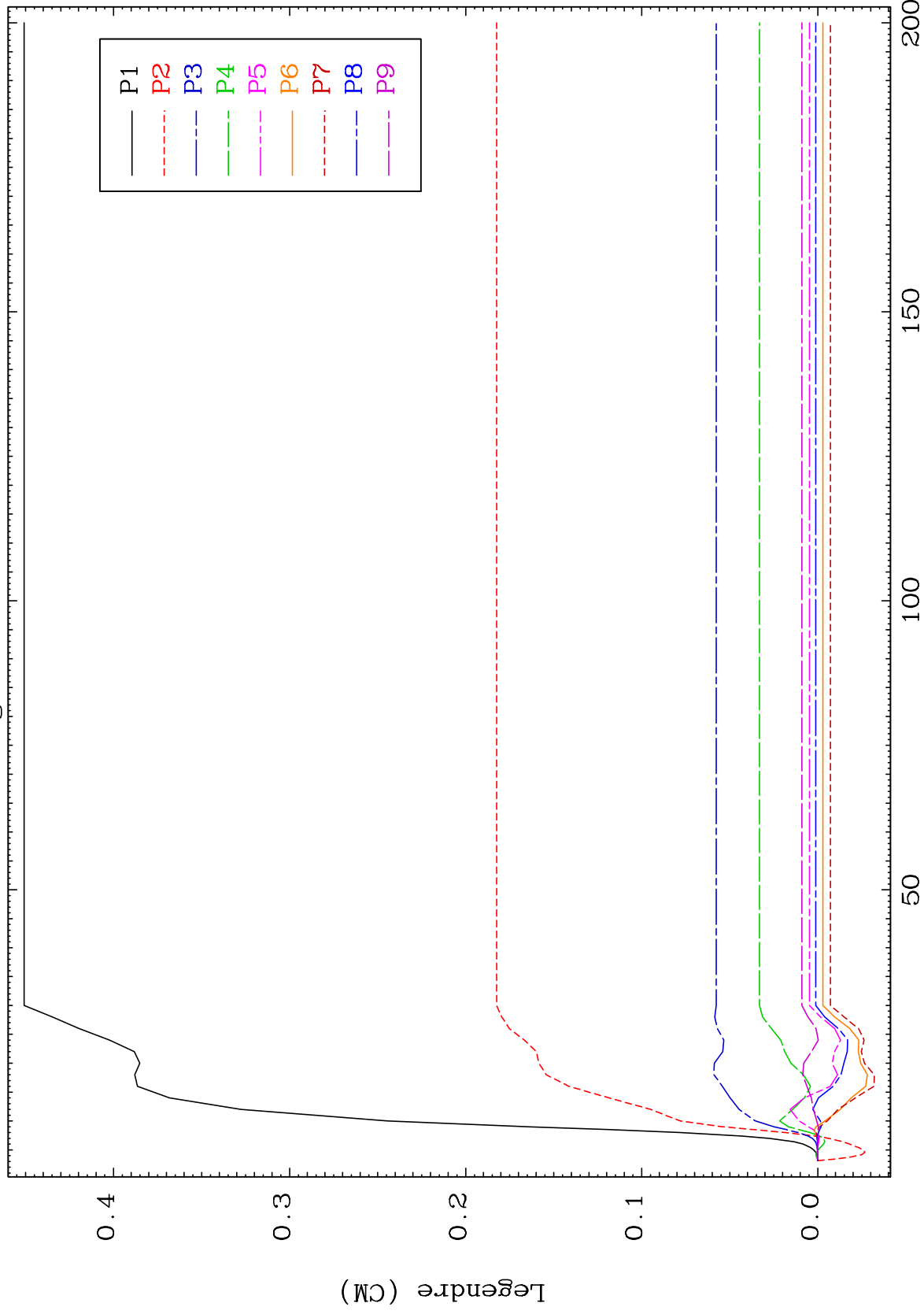
55-Cs-137



MAT 5537

3.104 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



124

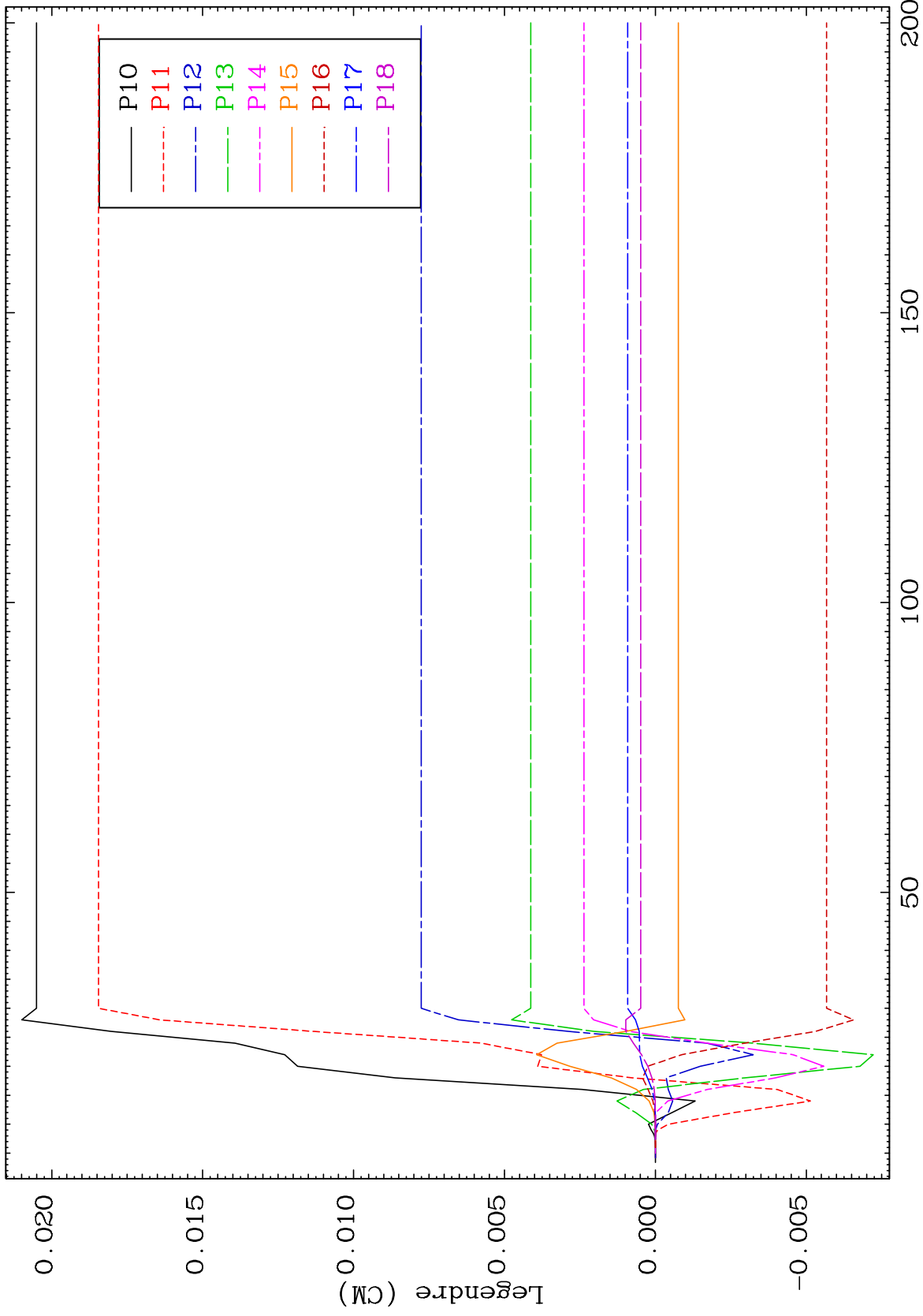
Incident Energy (MeV)

55-Cs-137

MAT 5537

3.104 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



125

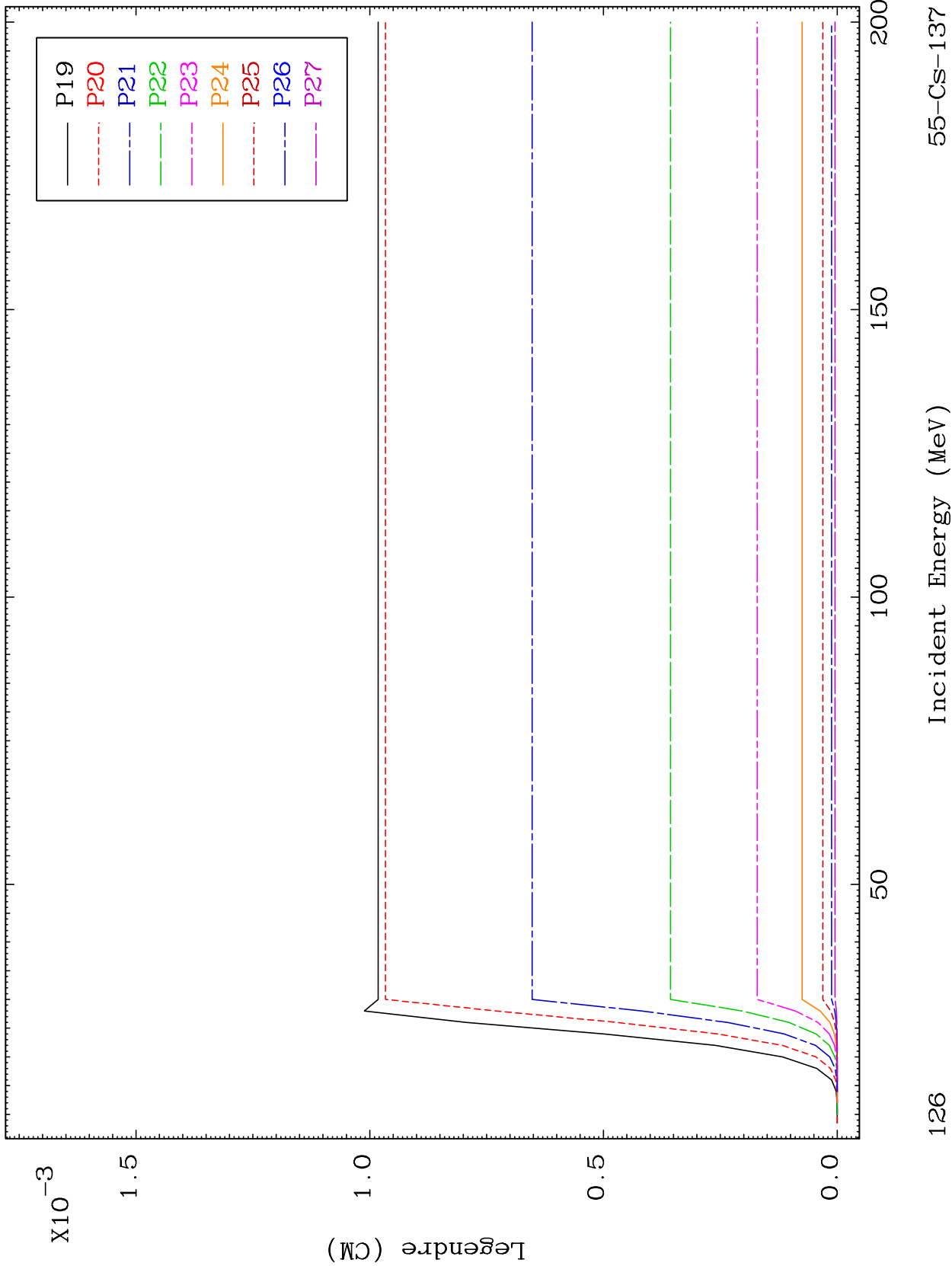
Incident Energy (MeV)

55-Cs-137

MAT 5537

3.104 MeV (n,n') Level
Legendre Coefficients

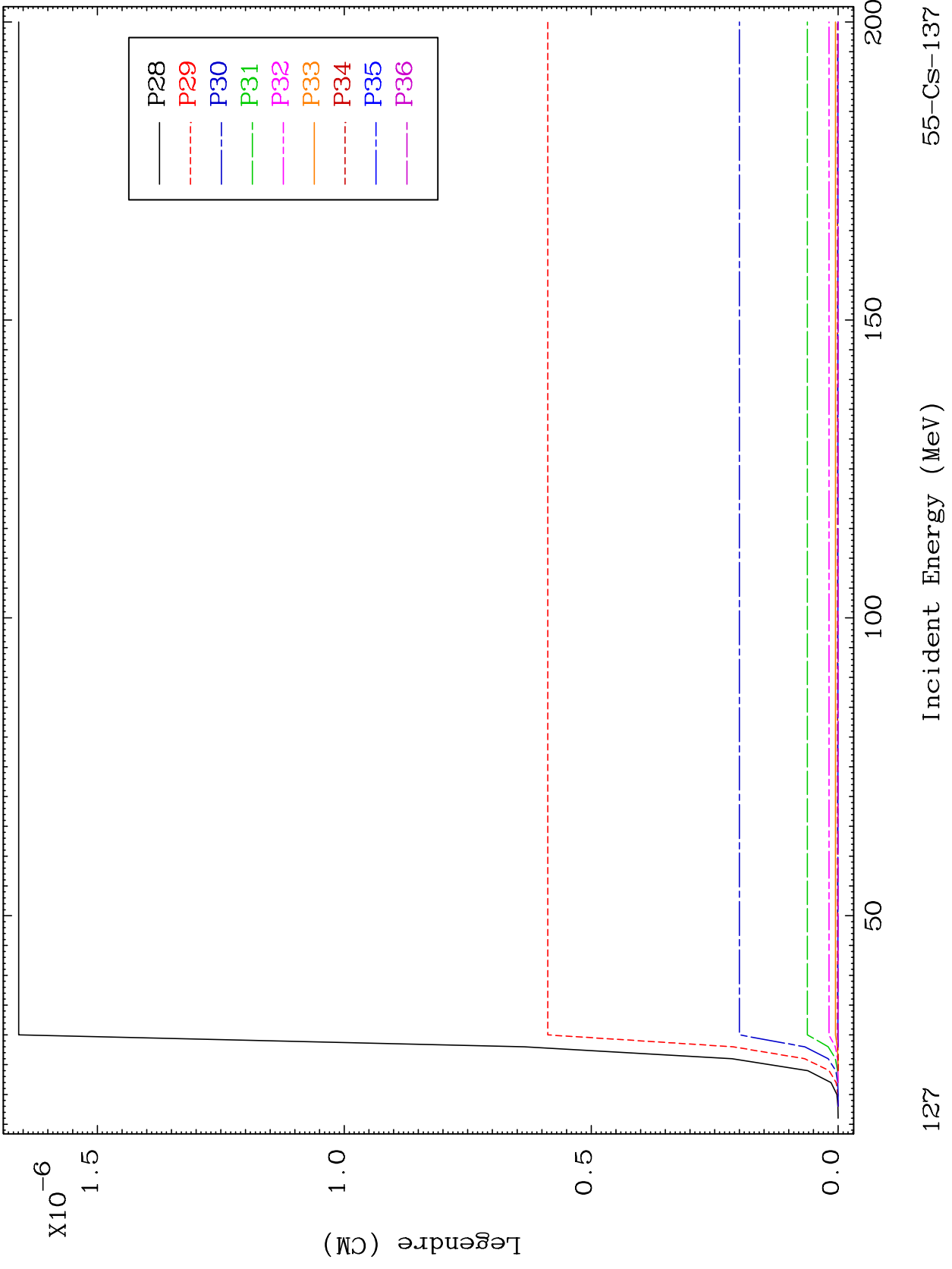
55-Cs-137



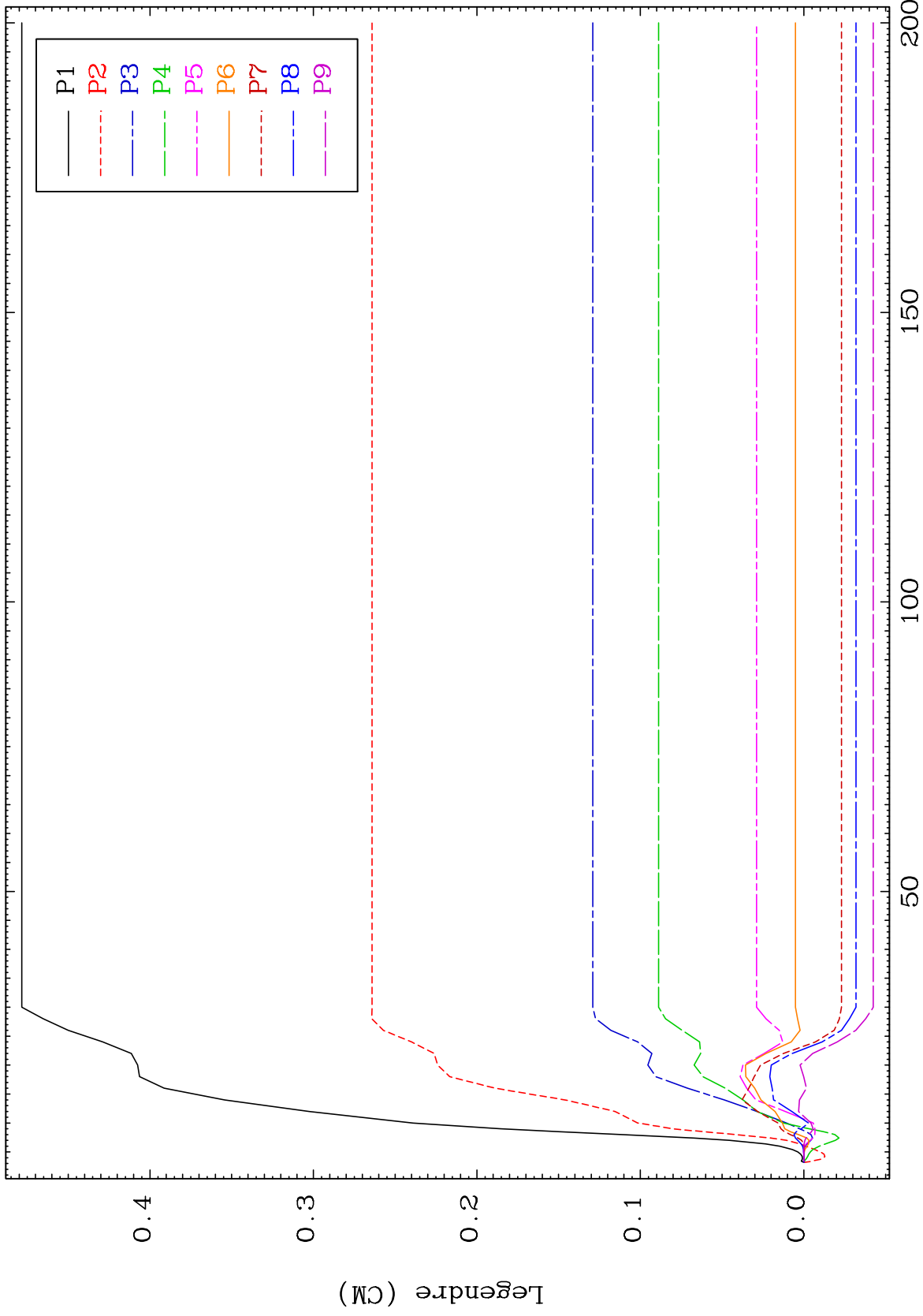
126

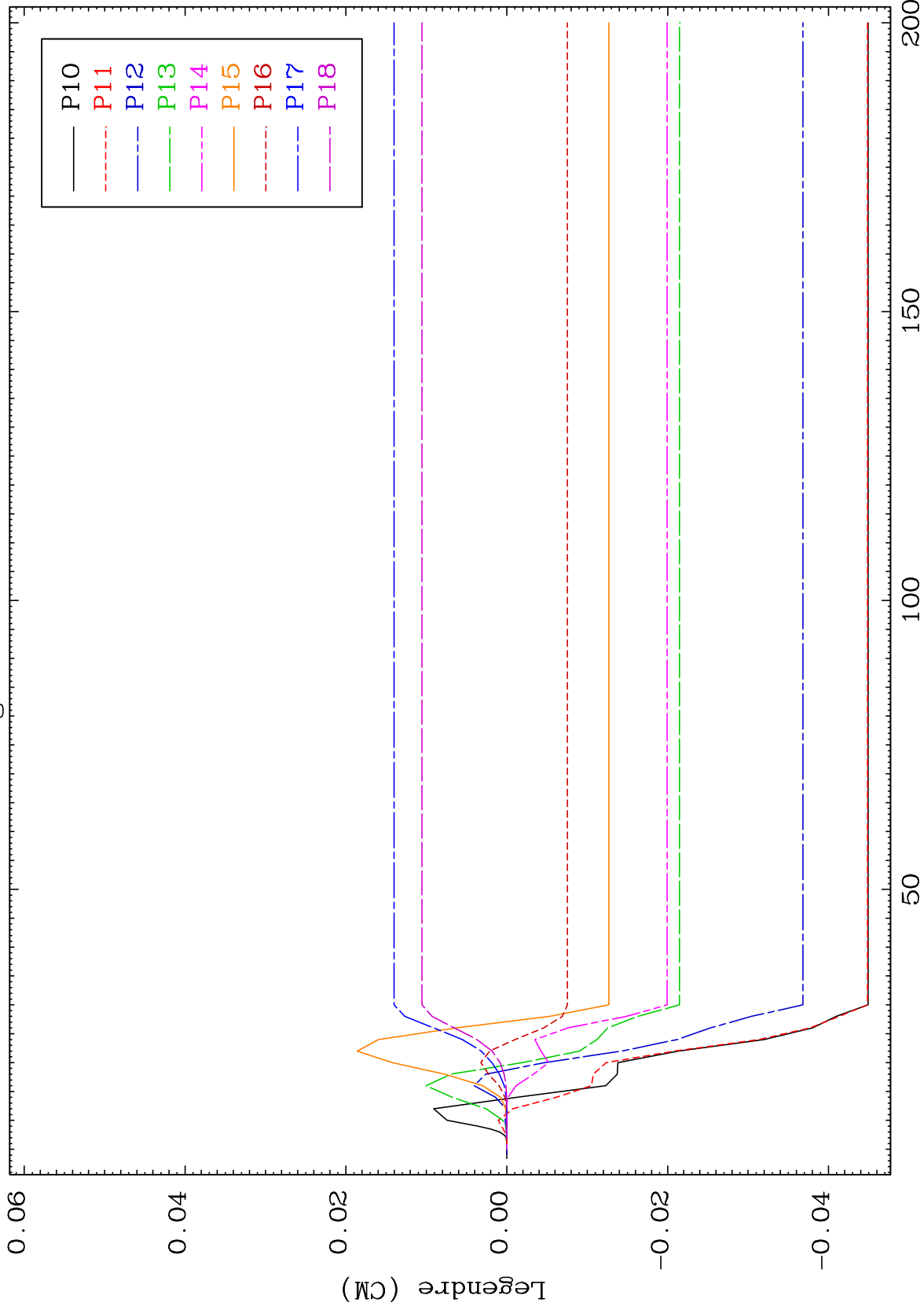
55-Cs-137

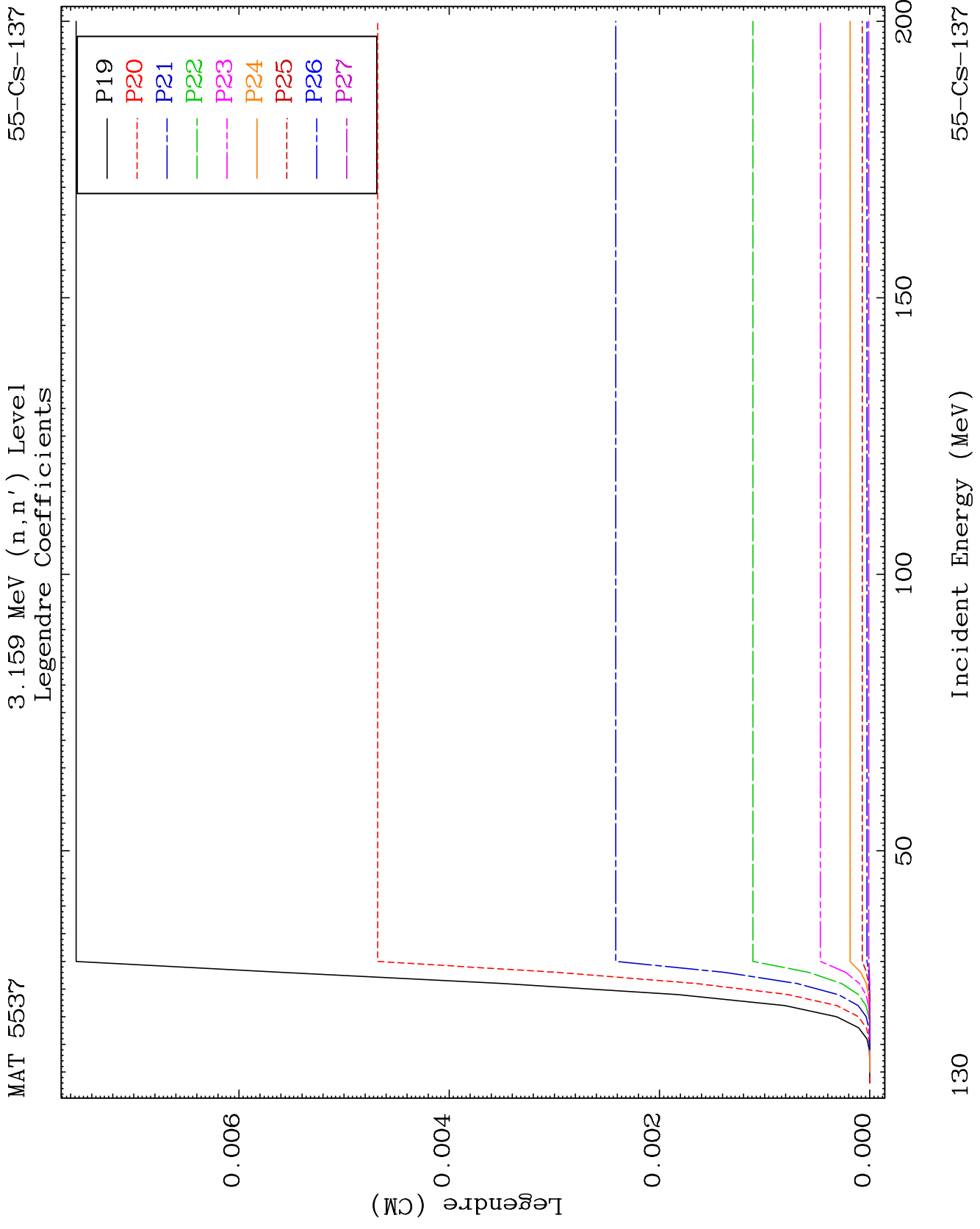
MAT 5537 3.104 MeV (n,n') Level 55-Cs-137



127 55-Cs-137



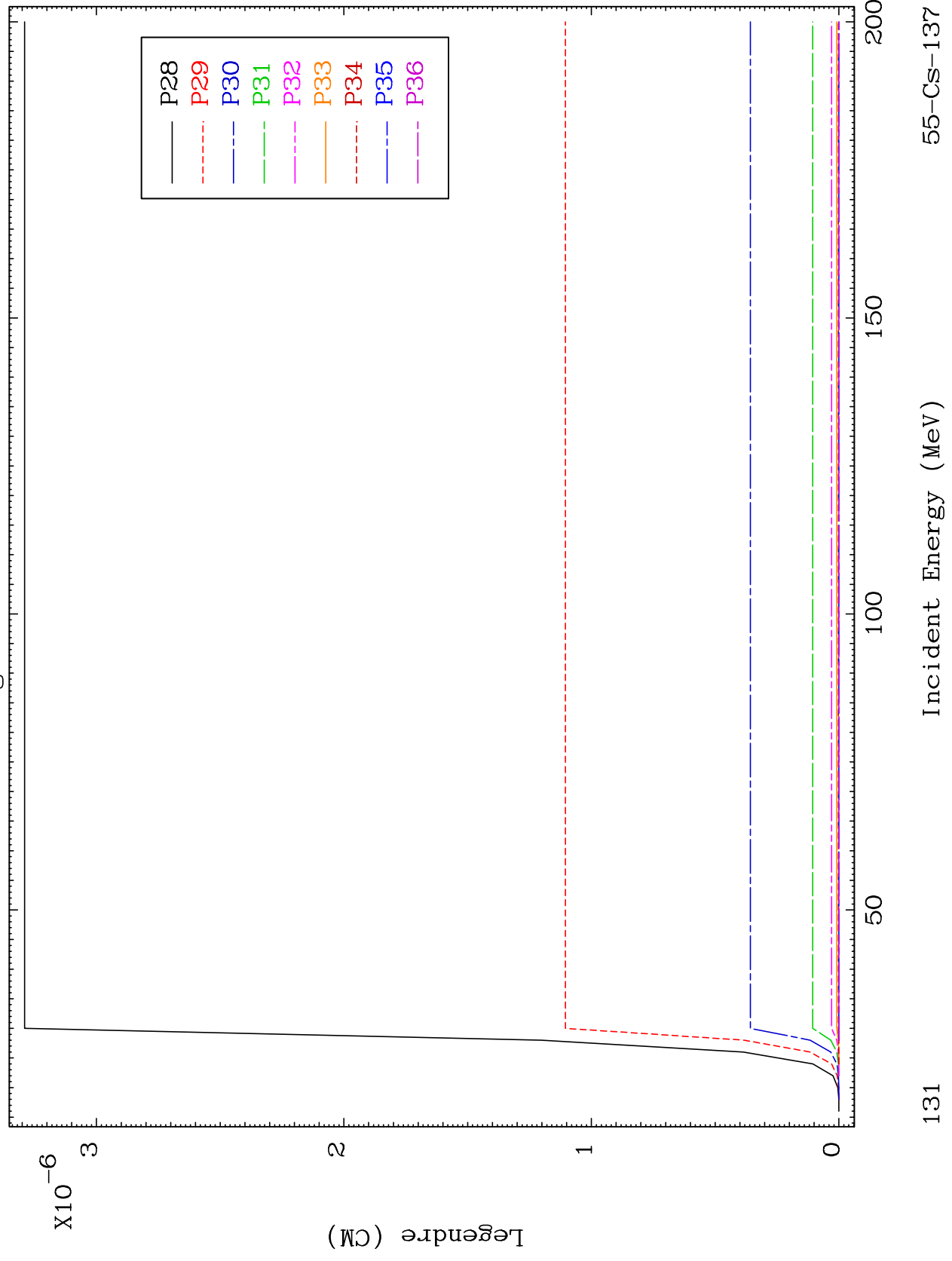




MAT 5537

3.159 MeV (n,n') Level
Legendre Coefficients

55-Cs-137



131

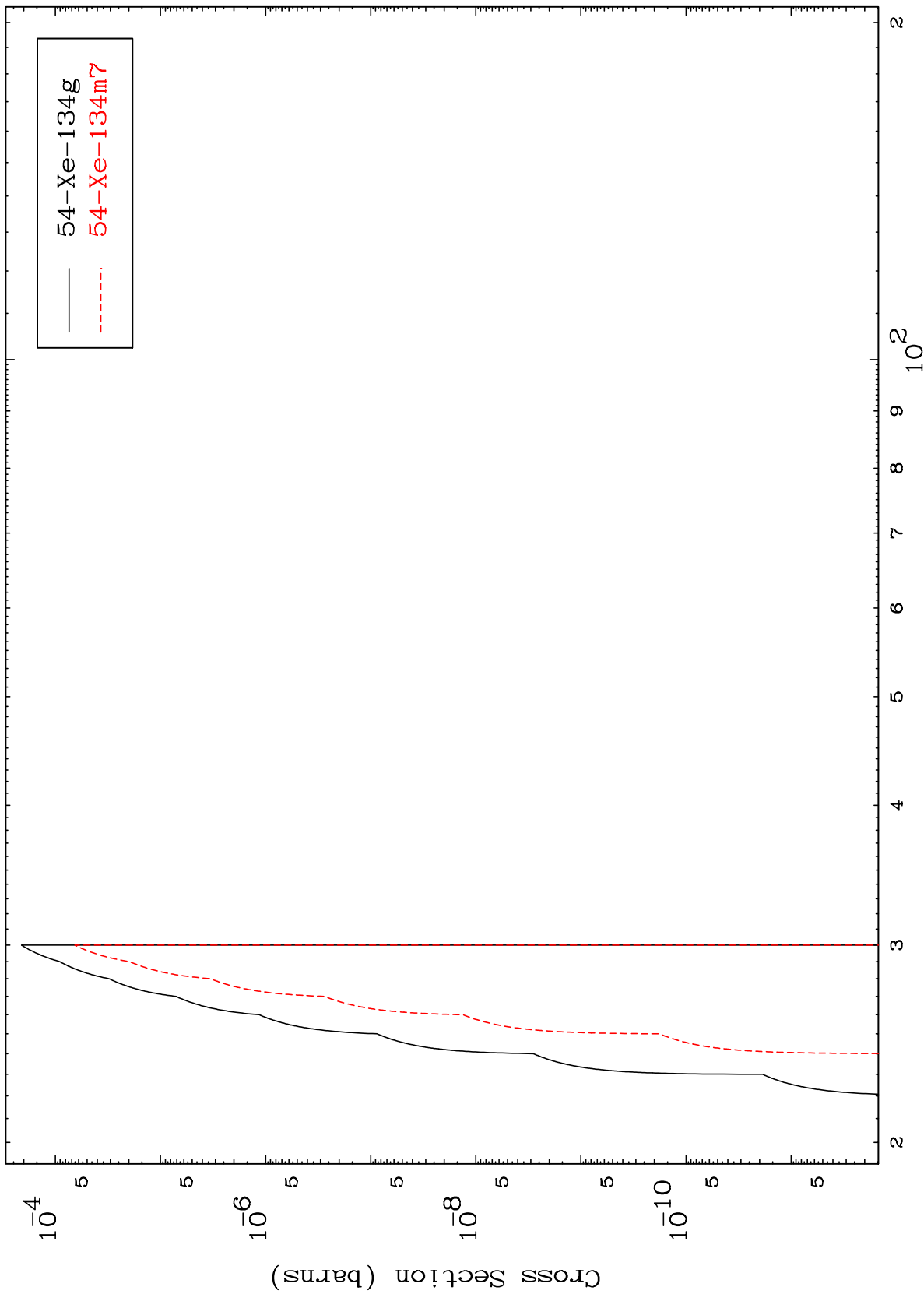
55-Cs-137

MAT 5537

(n,2n) d

55-Cs-137

Radionuclide Production Cross Section



132

Incident Energy (MeV)

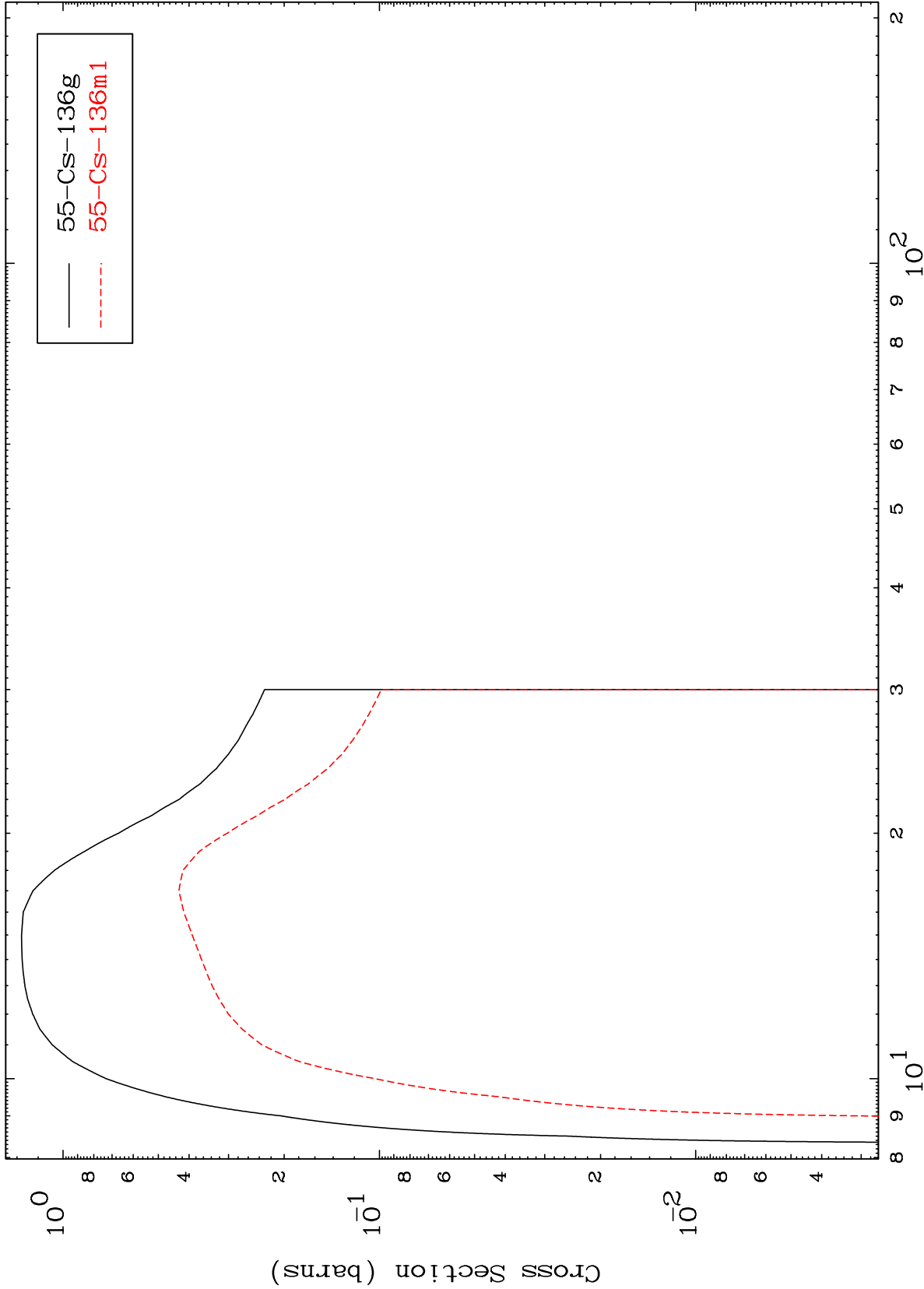
55-Cs-137

MAT 5537

(n,2n)

55-Cs-137

Radionuclide Production Cross Section



133

Incident Energy (MeV)

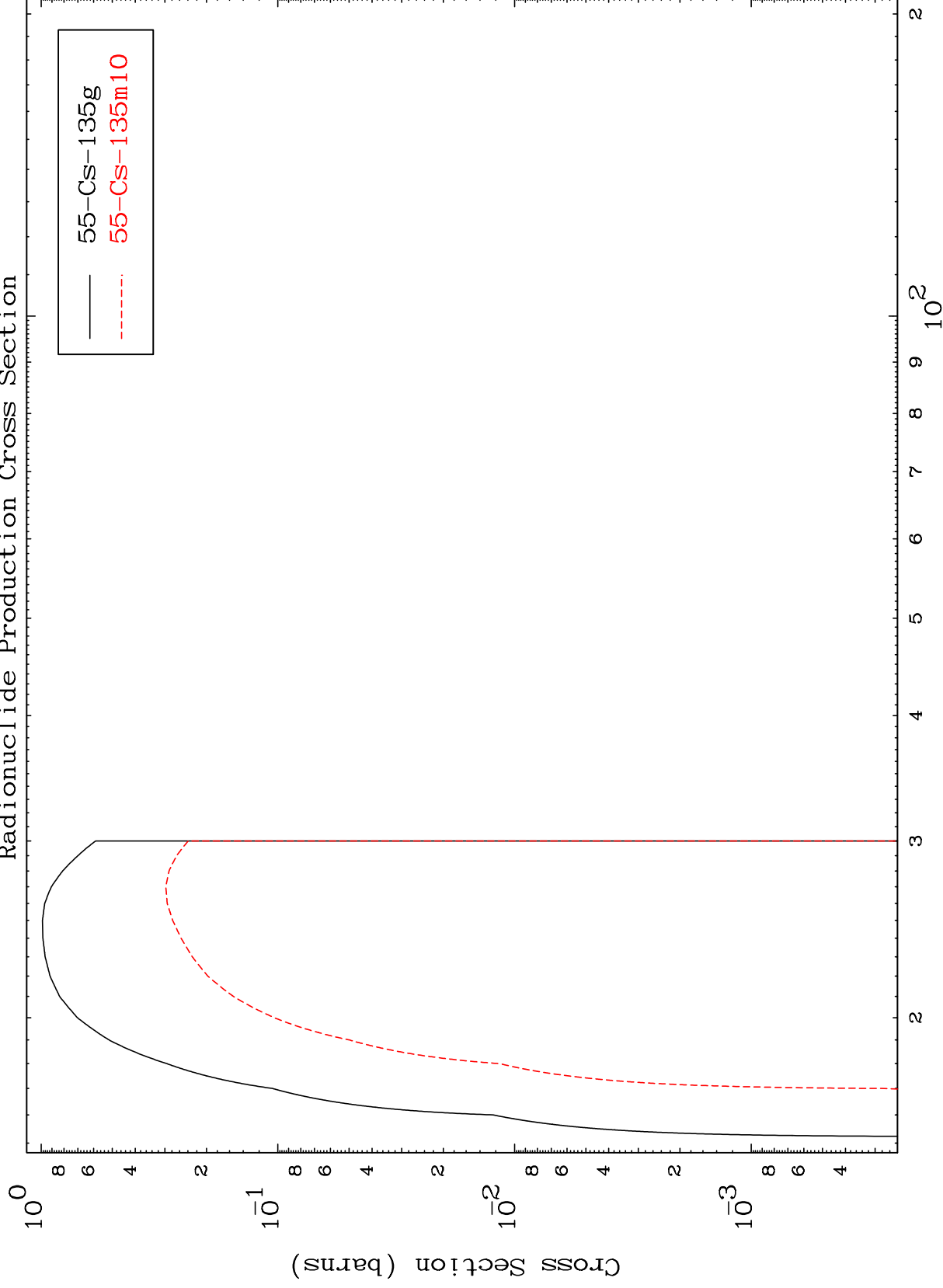
55-Cs-137

MAT 5537

(n,3n)

55-Cs-137

Radionuclide Production Cross Section



55-Cs-135g
55-Cs-135m10

134

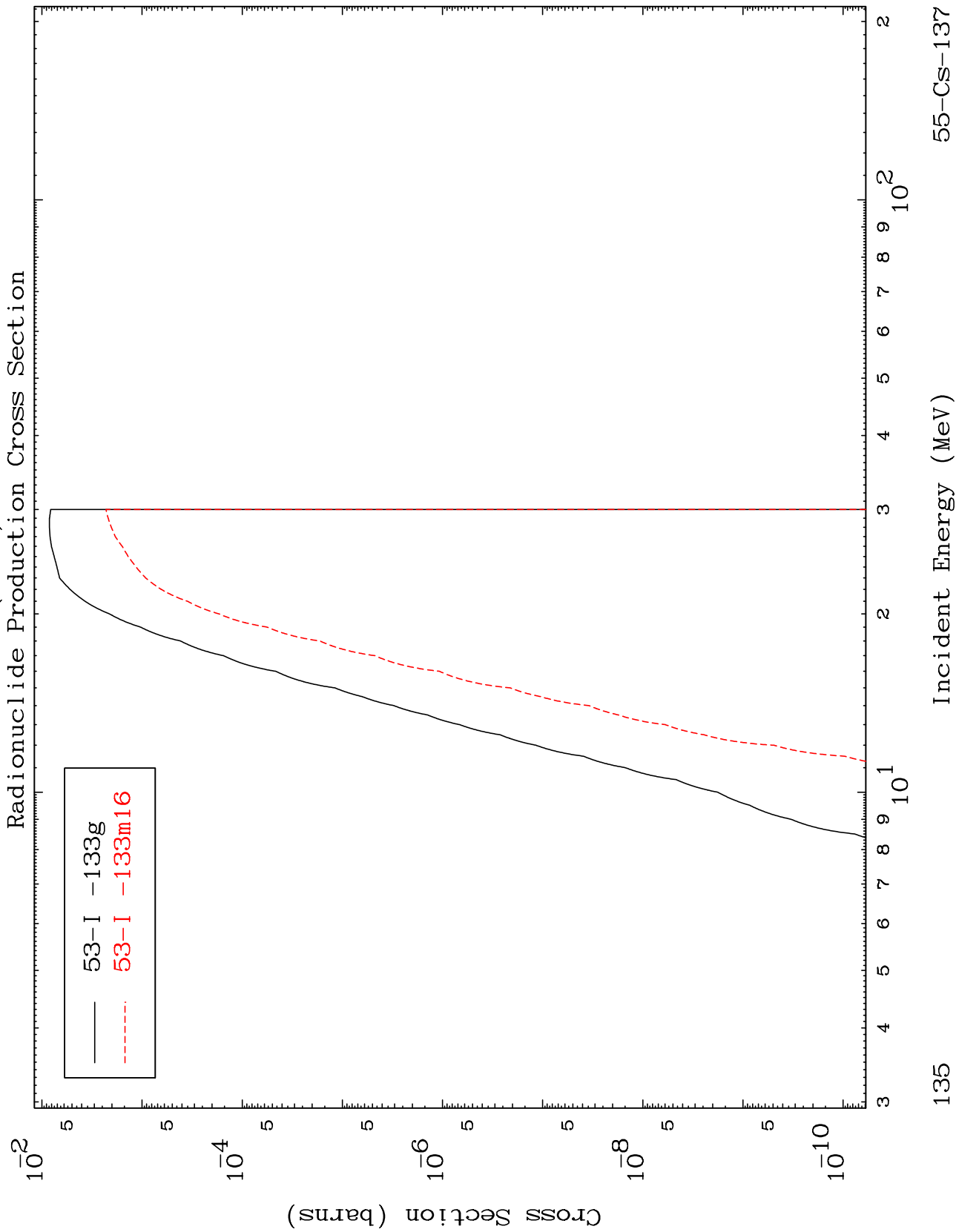
Incident Energy (MeV)

55-Cs-137

MAT 5537

(n,n') α

55-Cs-137



135

Incident Energy (MeV)

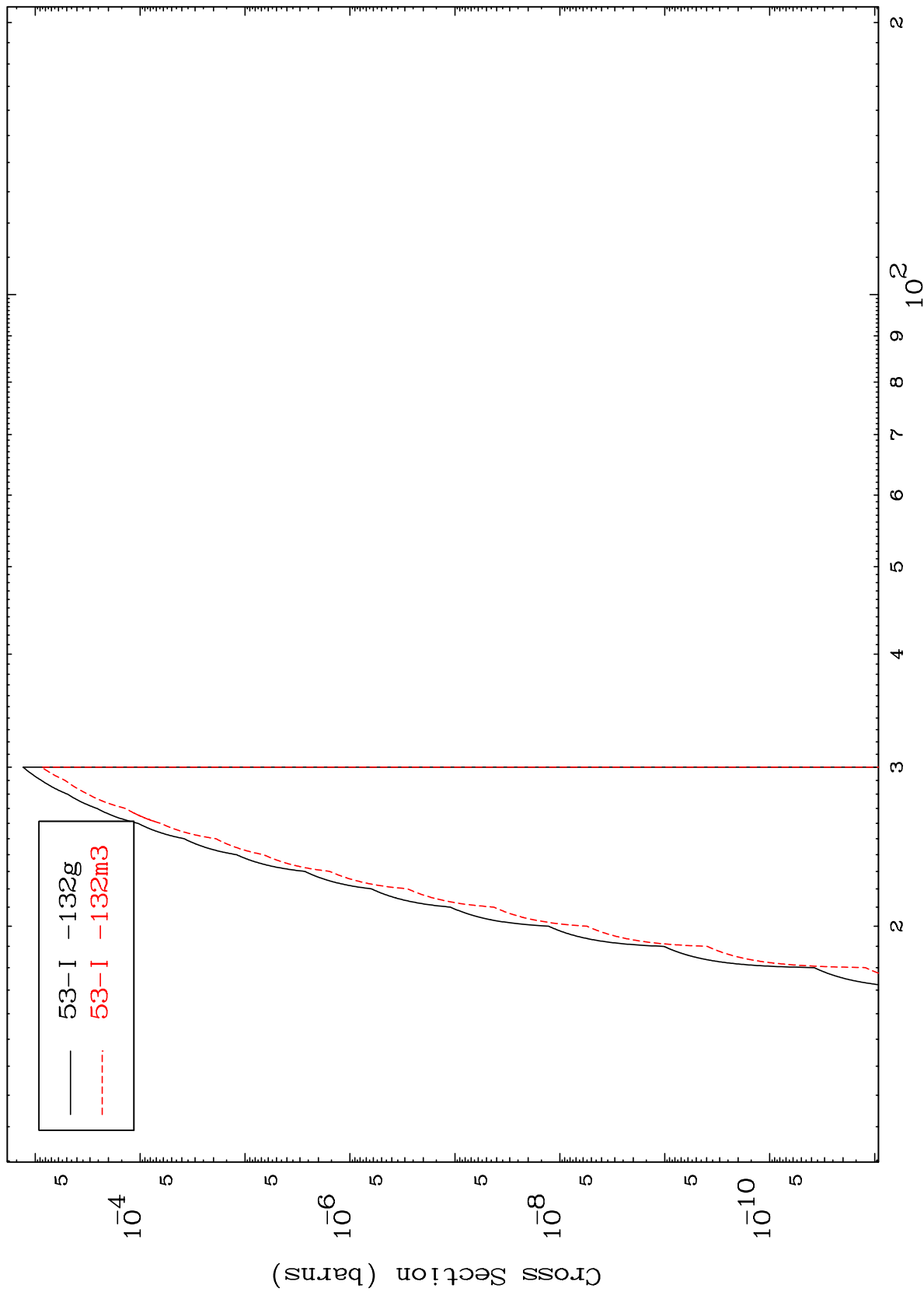
55-Cs-137

MAT 5537

55-Cs-137

(n,2n) α

Radionuclide Production Cross Section



136

Incident Energy (MeV)

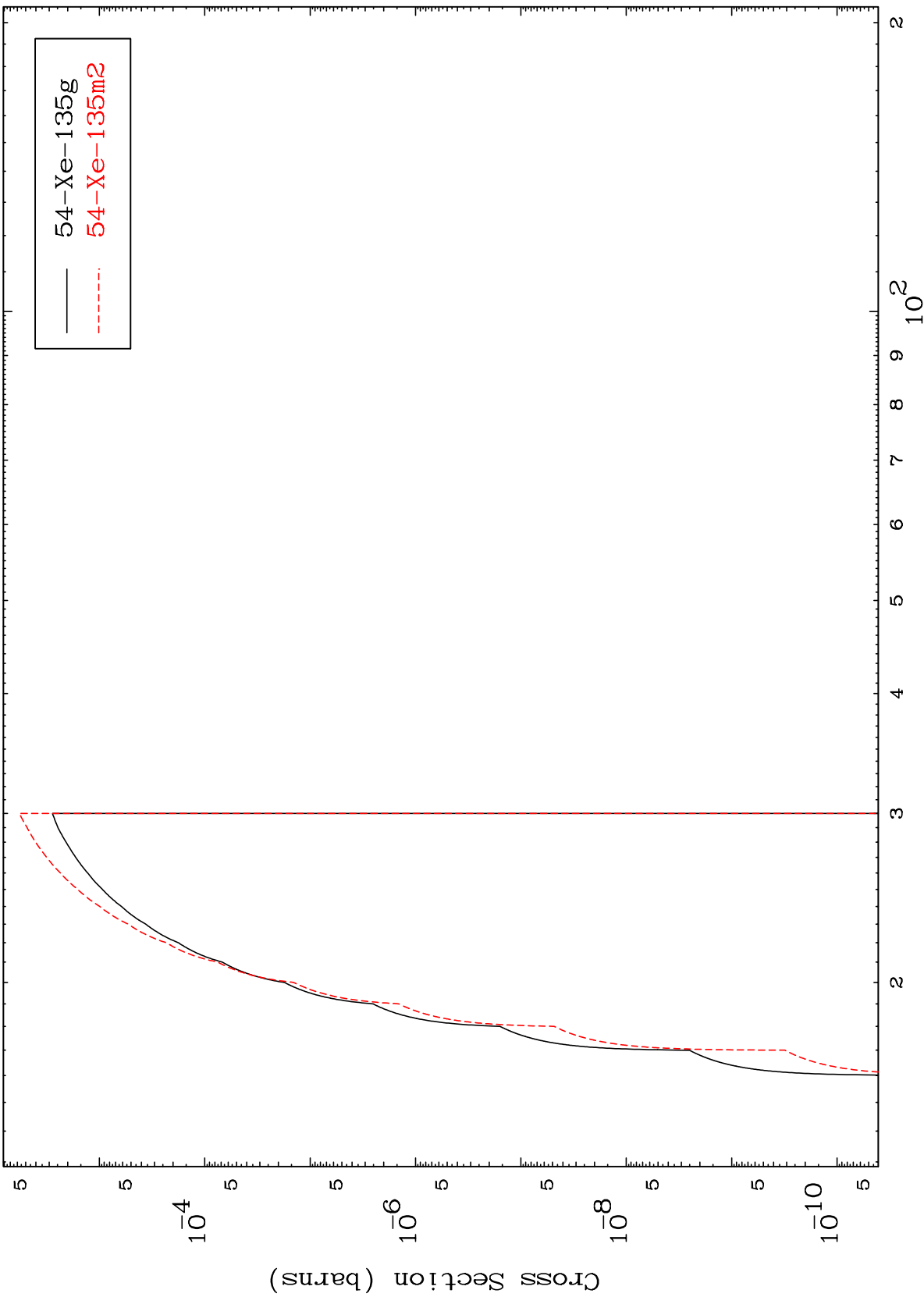
55-Cs-137

MAT 5537

(n,n') d

55-Cs-137

Radionuclide Production Cross Section

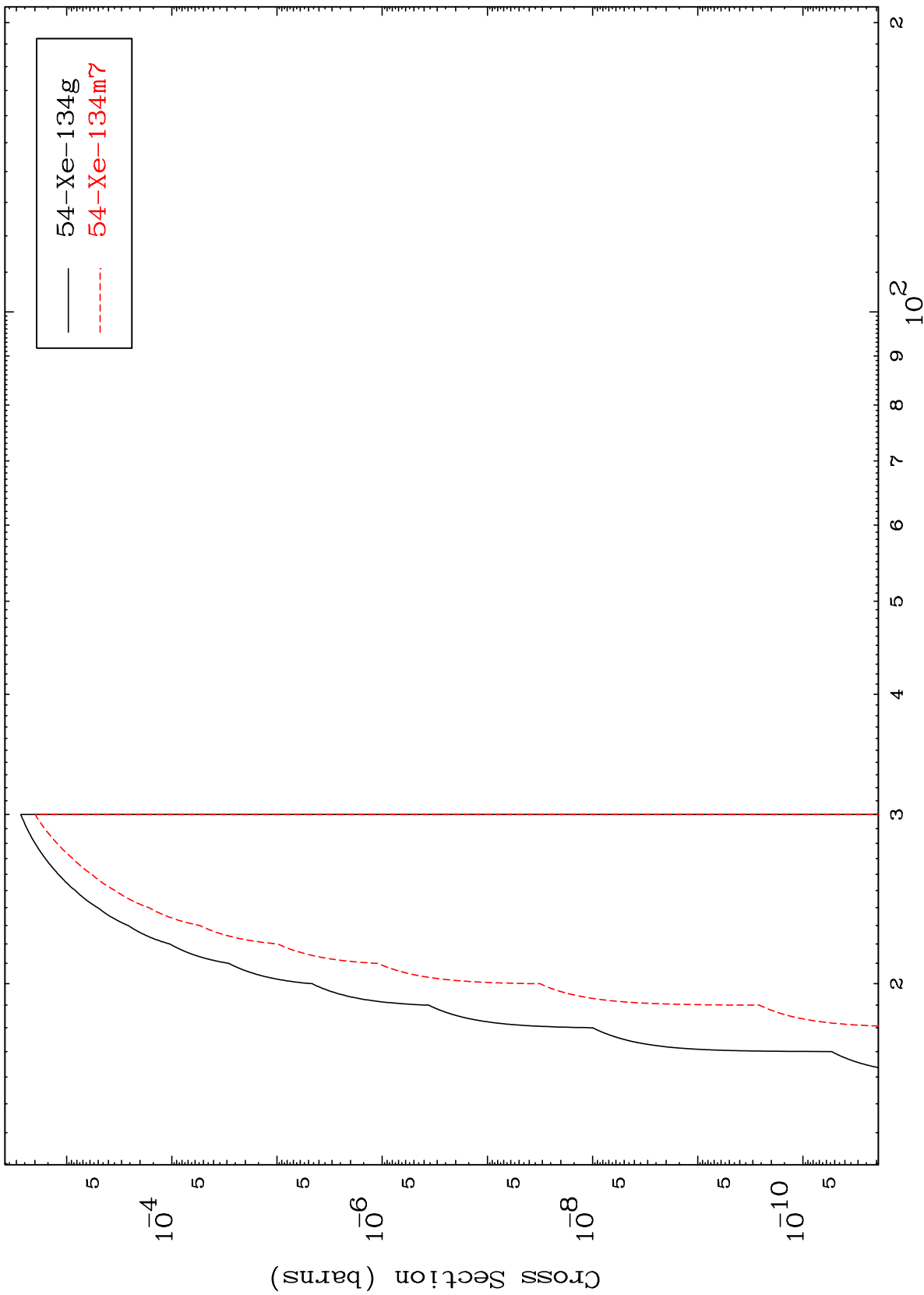


137

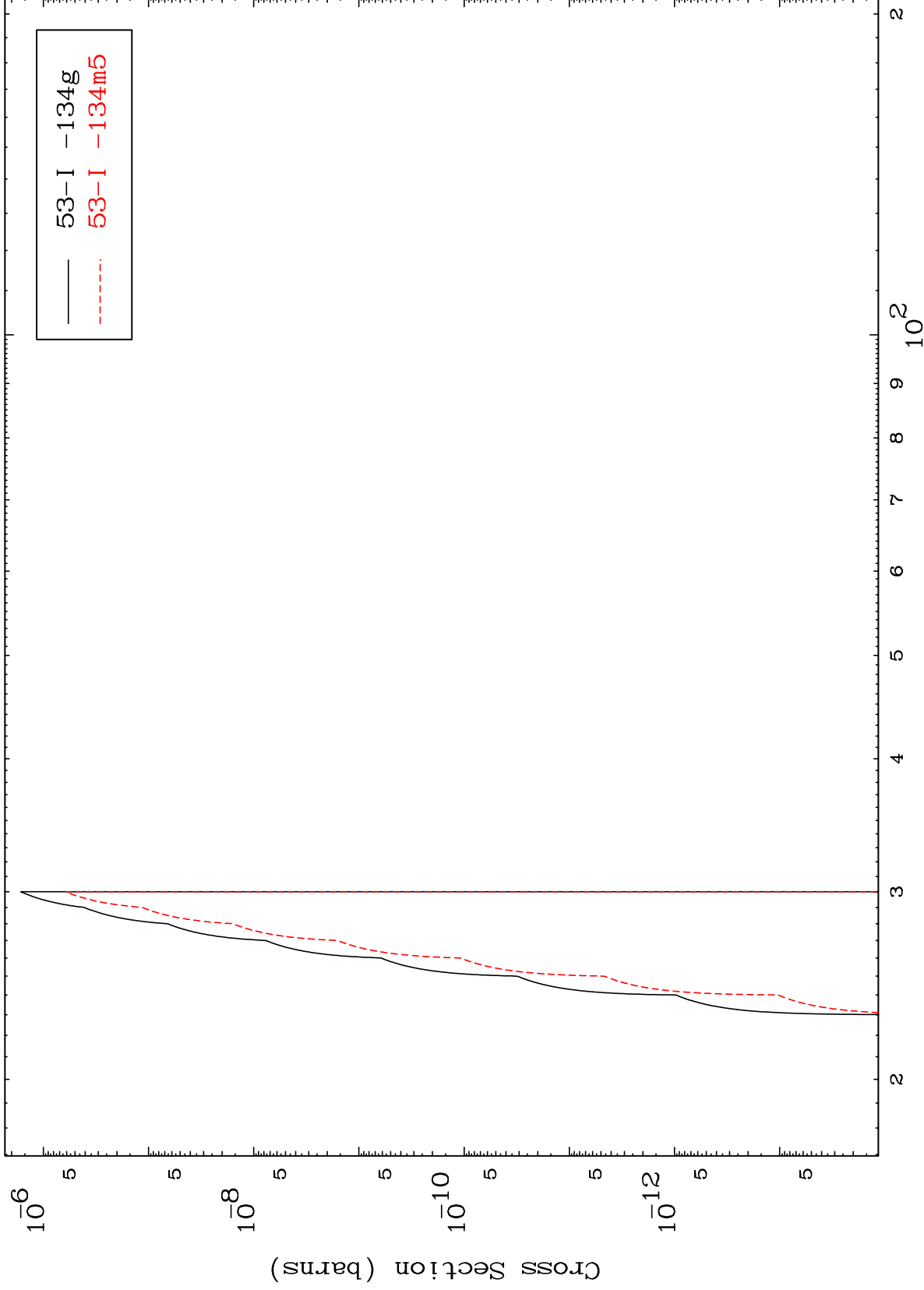
Incident Energy (MeV)

55-Cs-137

Radionuclide Production Cross Section



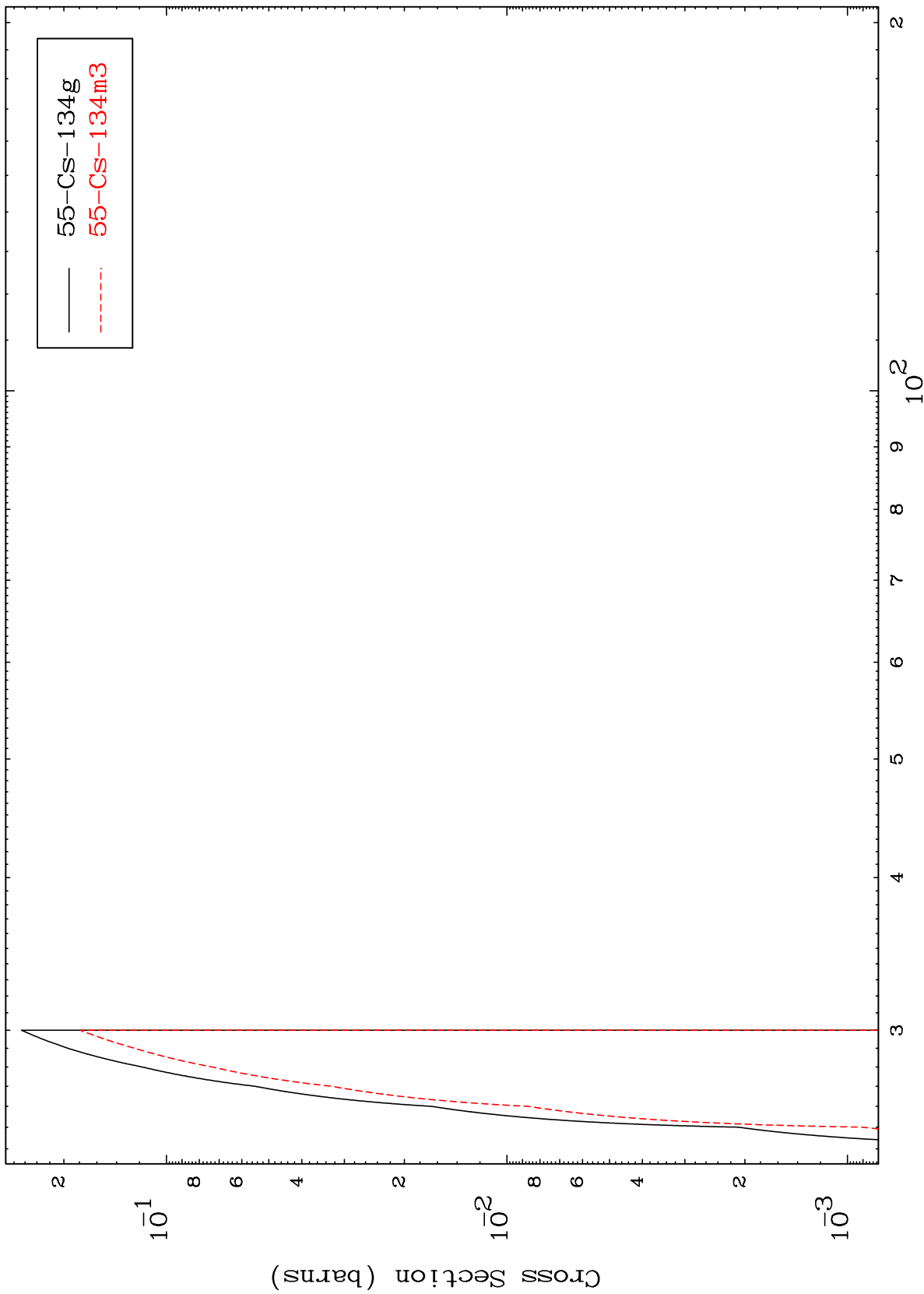
Radionuclide Production Cross Section



MAT 5537

55-Cs-137

(n,4n)
Radionuclide Production Cross Section



140

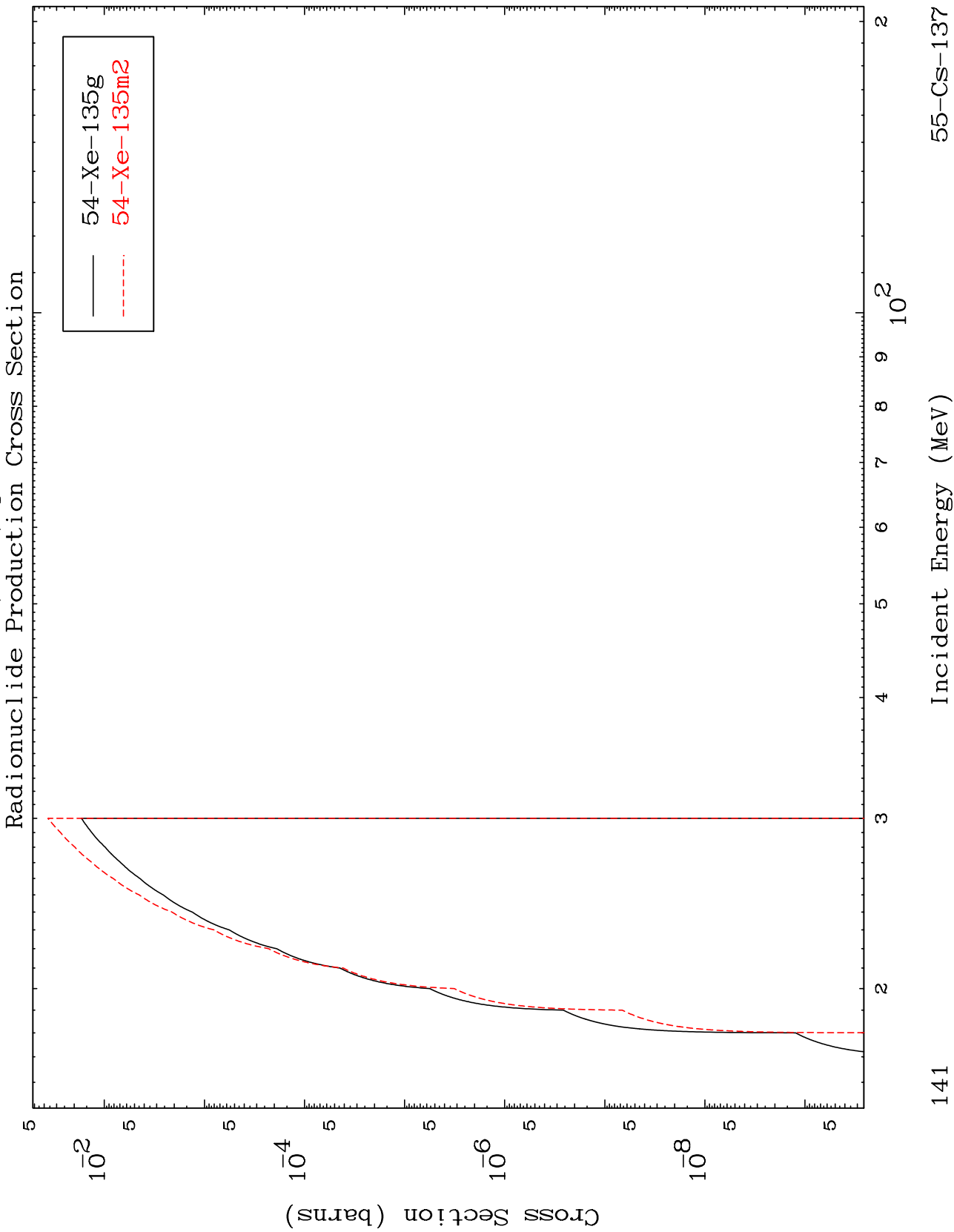
Incident Energy (MeV)

55-Cs-137

MAT 5537

(n,2n) p

55-Cs-137



141

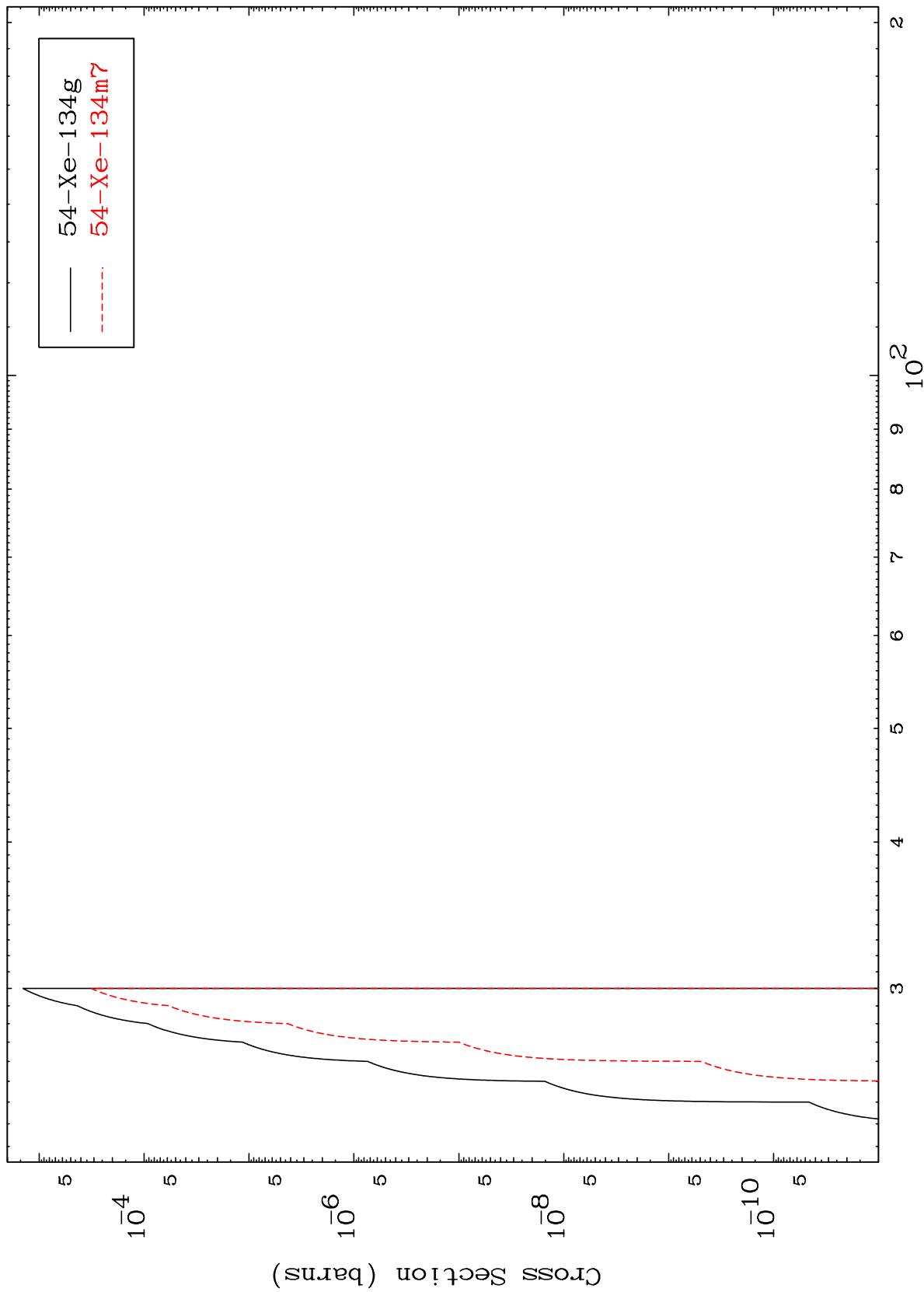
55-Cs-137

MAT 5537

55-Cs-137

(n,3n) p

Radionuclide Production Cross Section



55-Cs-137

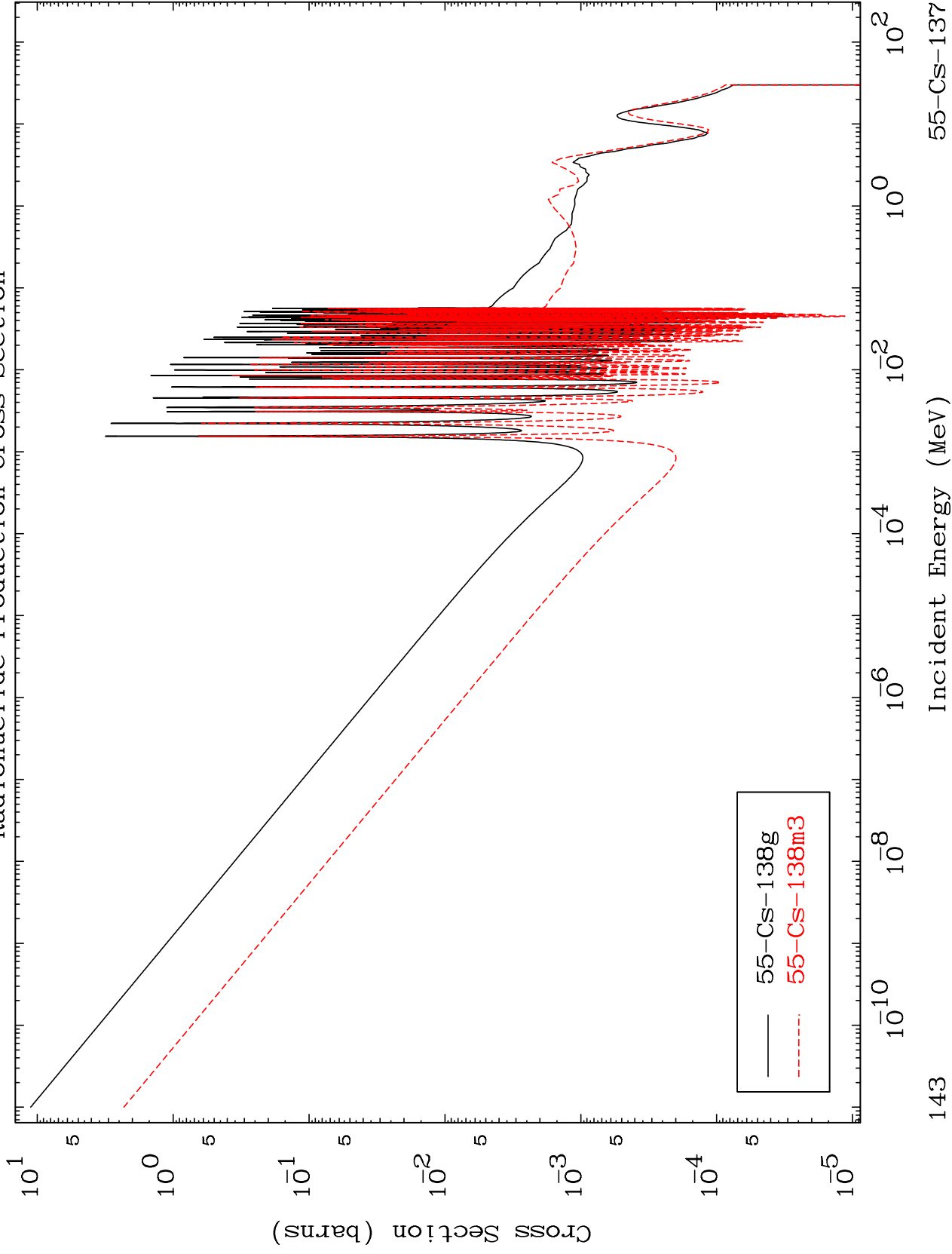
Incident Energy (MeV)

142

MAT 5537

55-Cs-137

(n, γ)
Radionuclide Production Cross Section

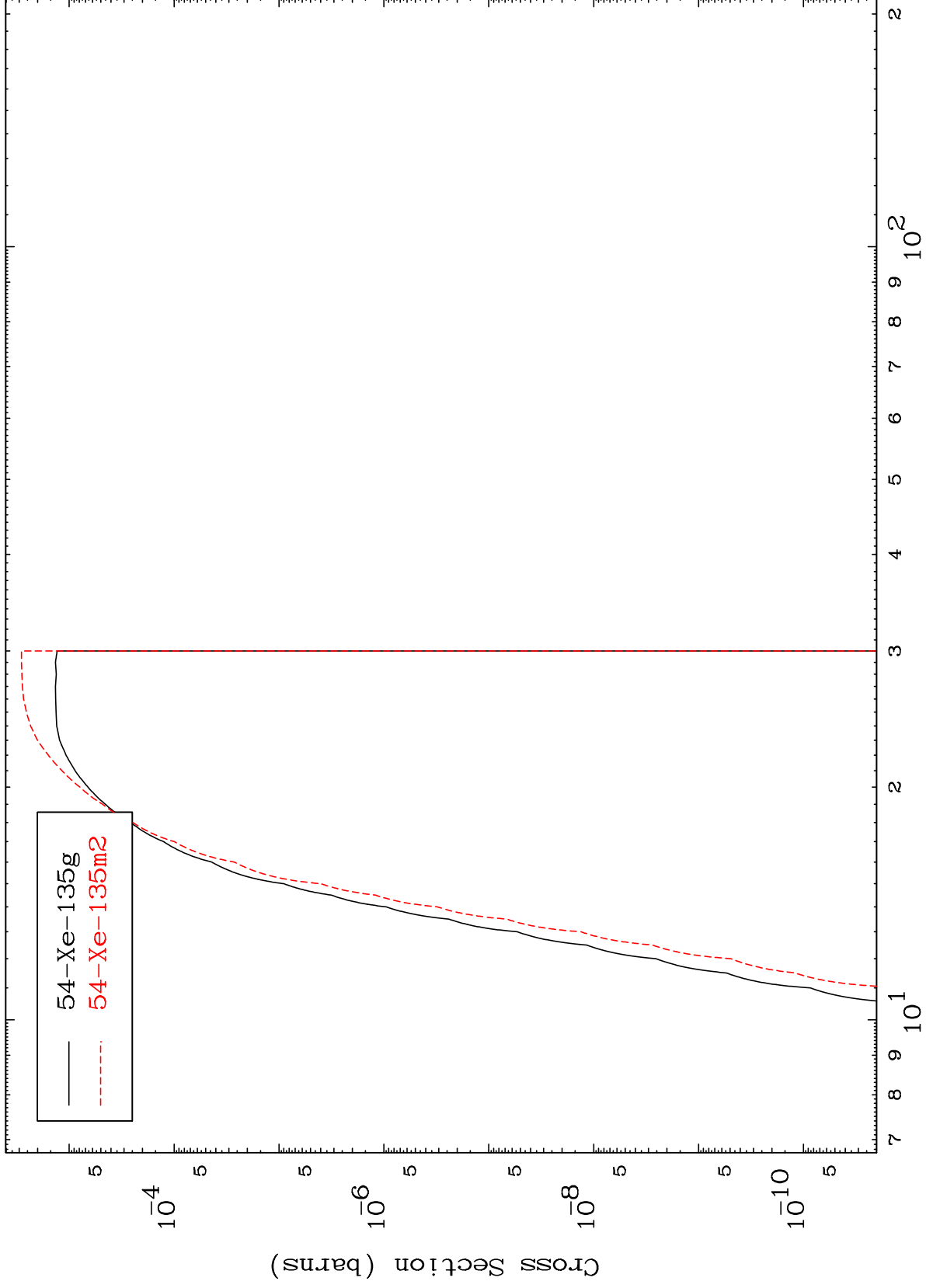


143

MAT 5537

55-Cs-137

(n,t)
Radionuclide Production Cross Section



55-Cs-137

Incident Energy (MeV)

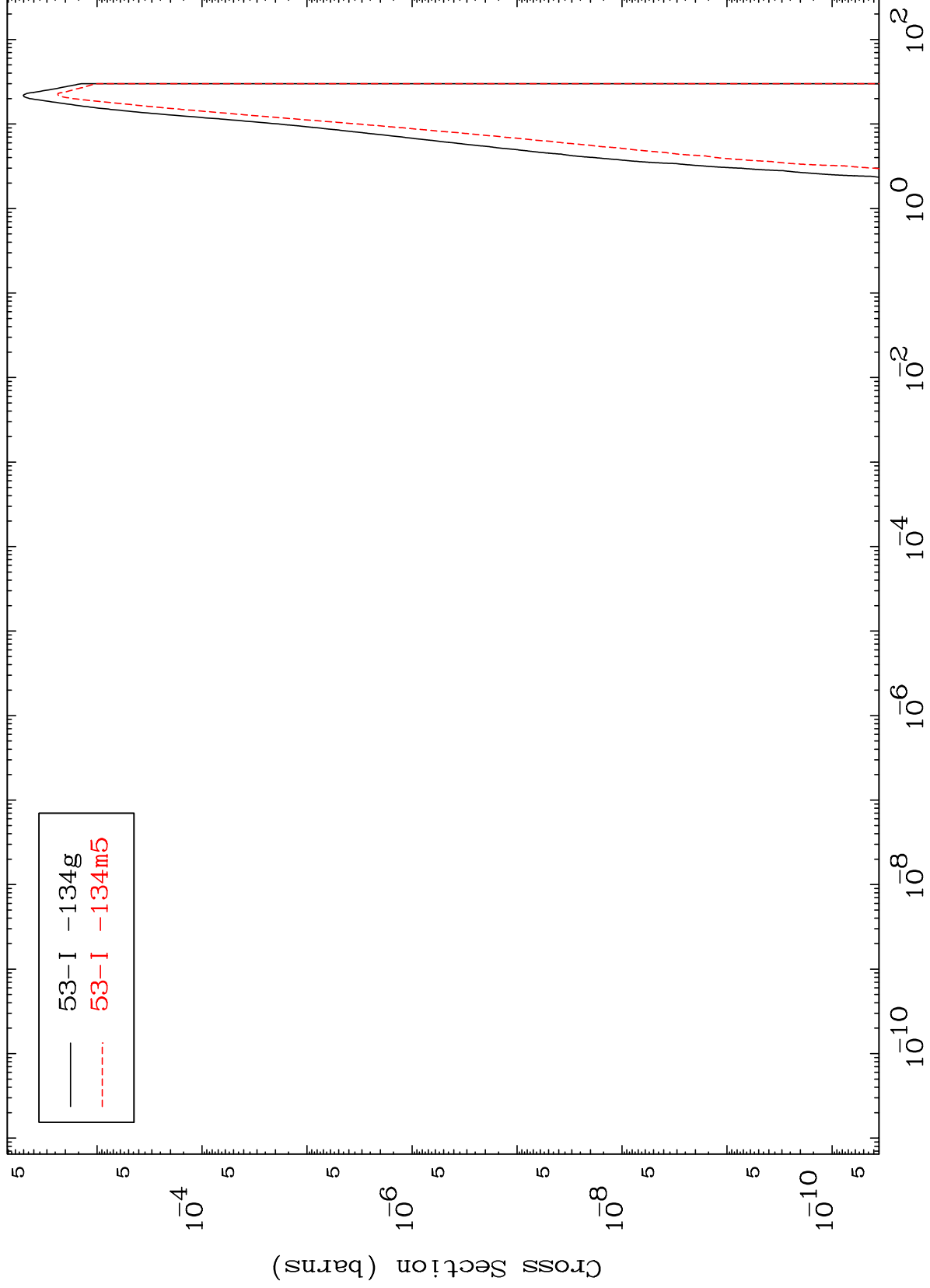
144

MAT 5537

(n, α)

55-Cs-137

Radionuclide Production Cross Section



145

Incident Energy (MeV)

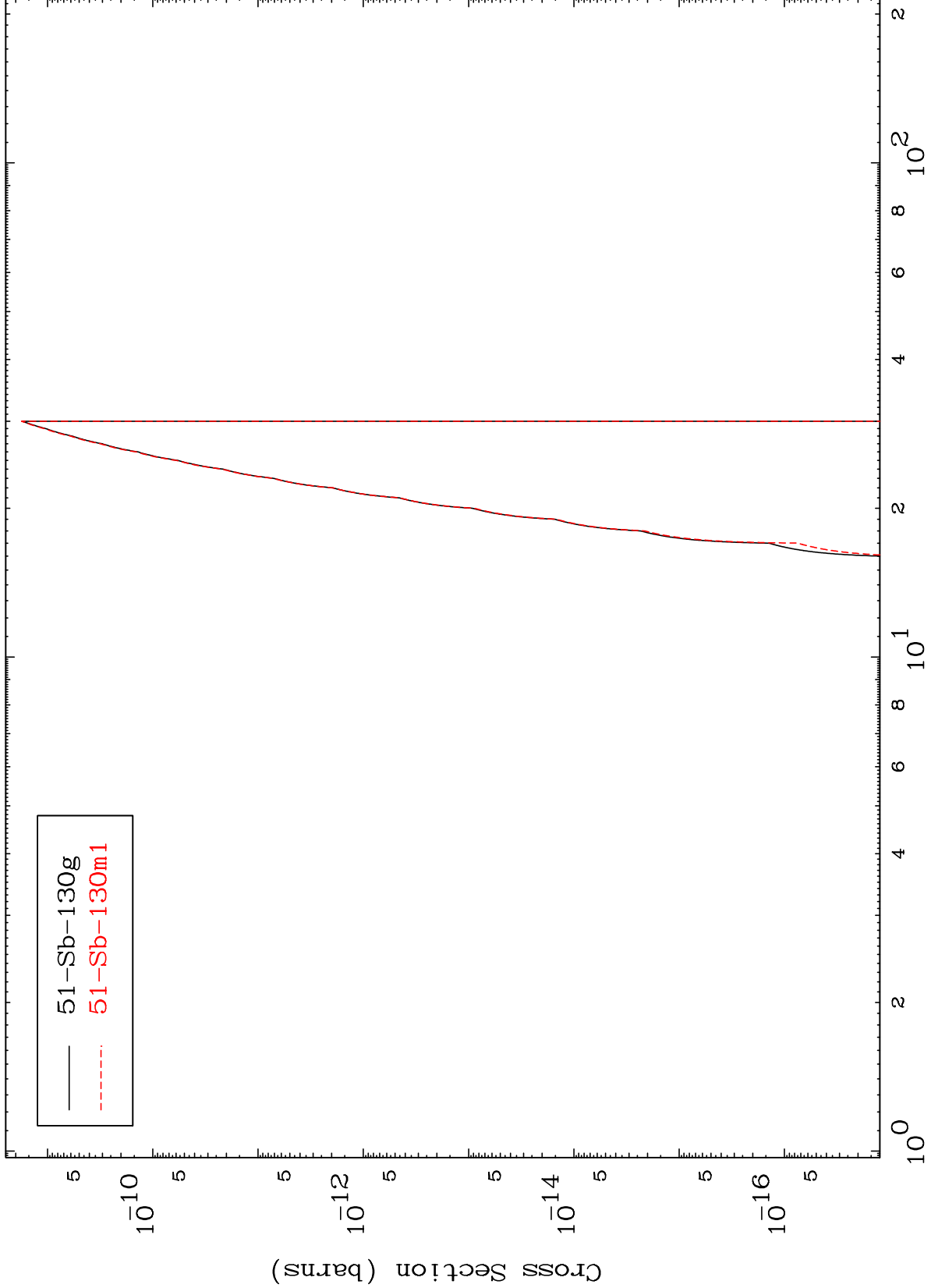
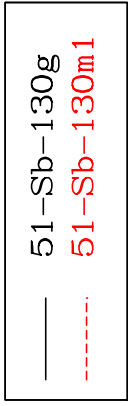
55-Cs-137

MAT 5537

(n,2α)

55-Cs-137

Radionuclide Production Cross Section



146

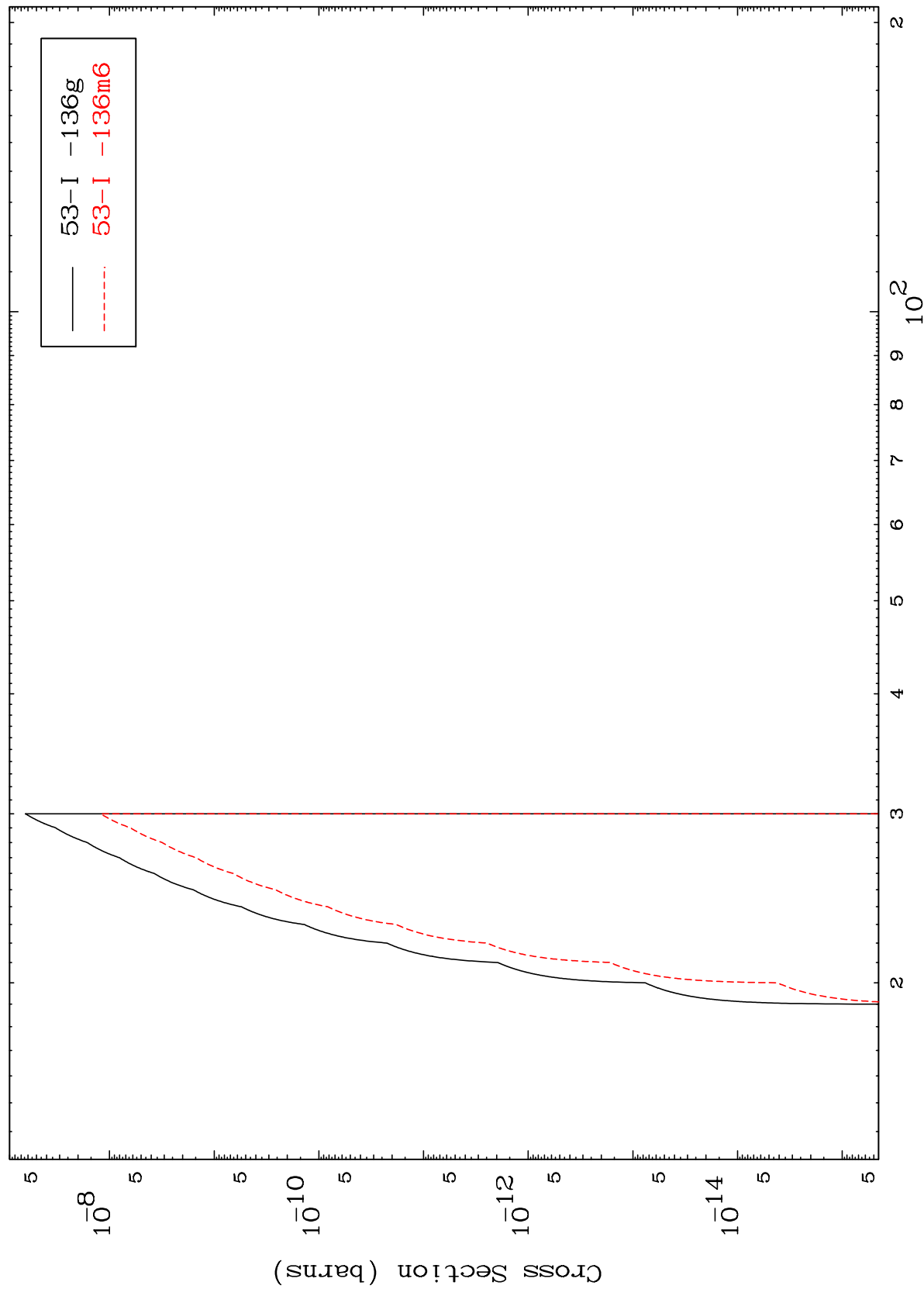
Incident Energy (MeV)

55-Cs-137

MAT 5537

55-Cs-137

(n,2p)
Radionuclide Production Cross Section



147

55-Cs-137

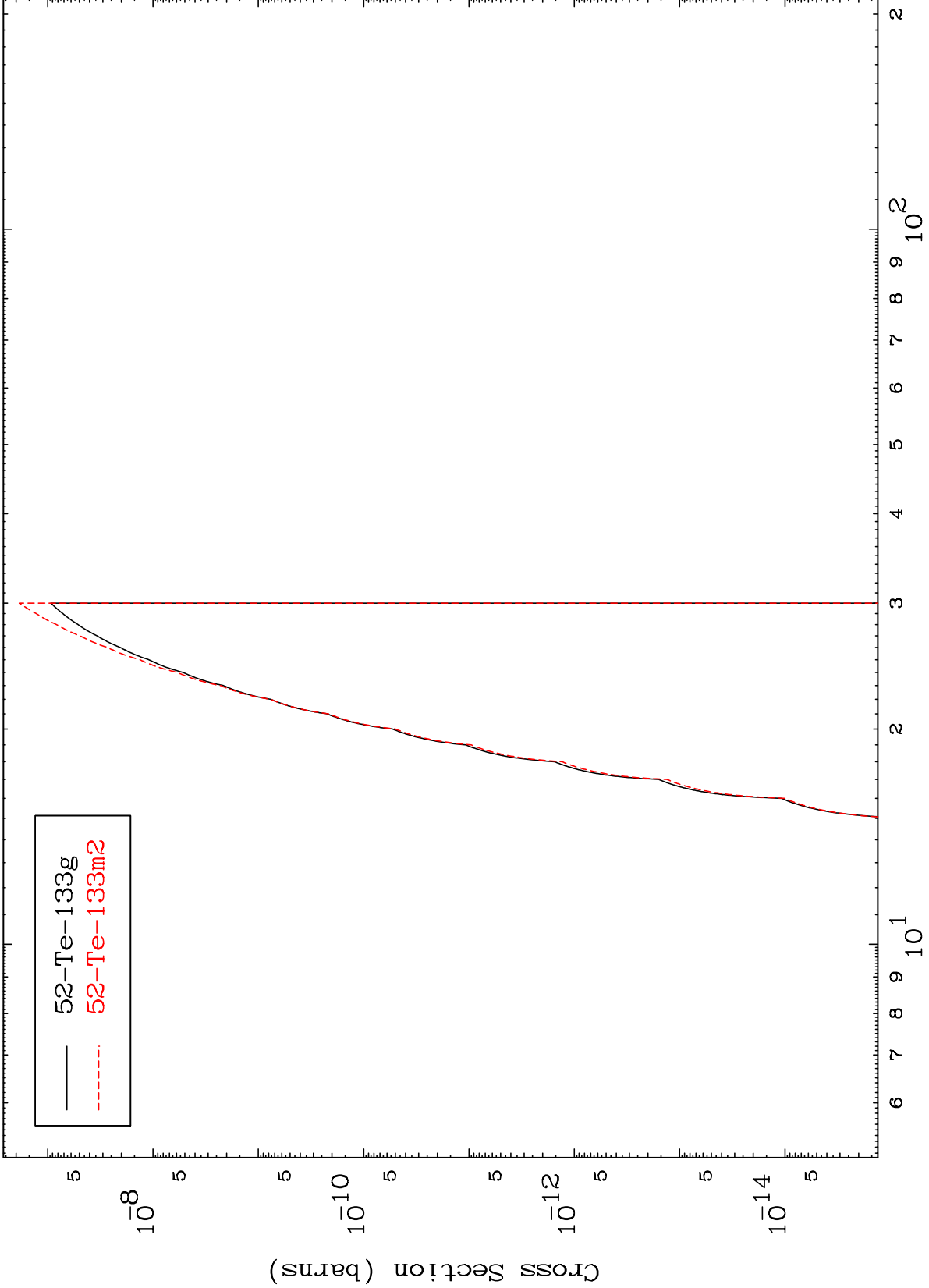
Incident Energy (MeV)

MAT 5537

(n,p) α

55-Cs-137

Radionuclide Production Cross Section



148

Incident Energy (MeV)

55-Cs-137

