

Program EVALPLOT
(Version 2018-1)

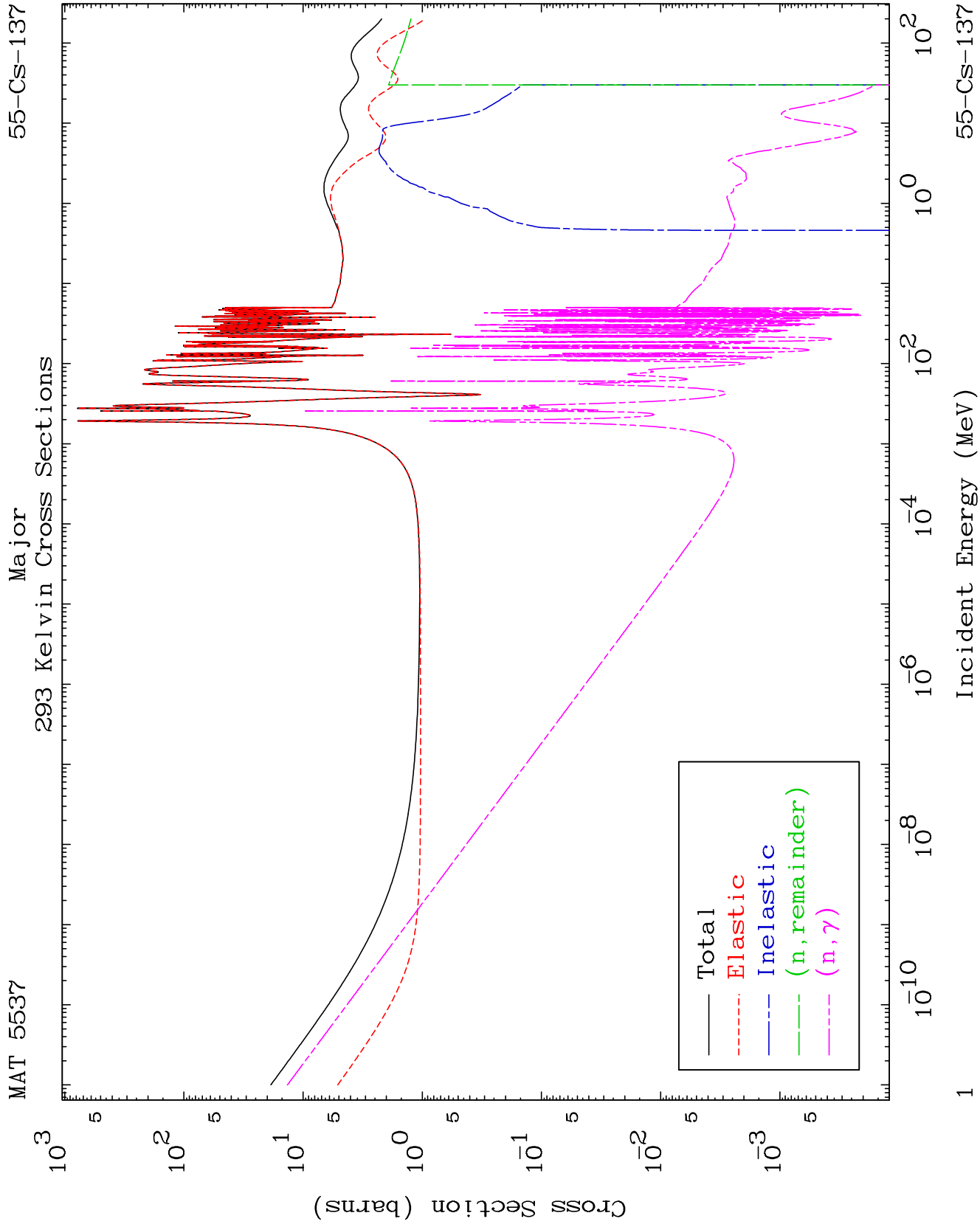
by

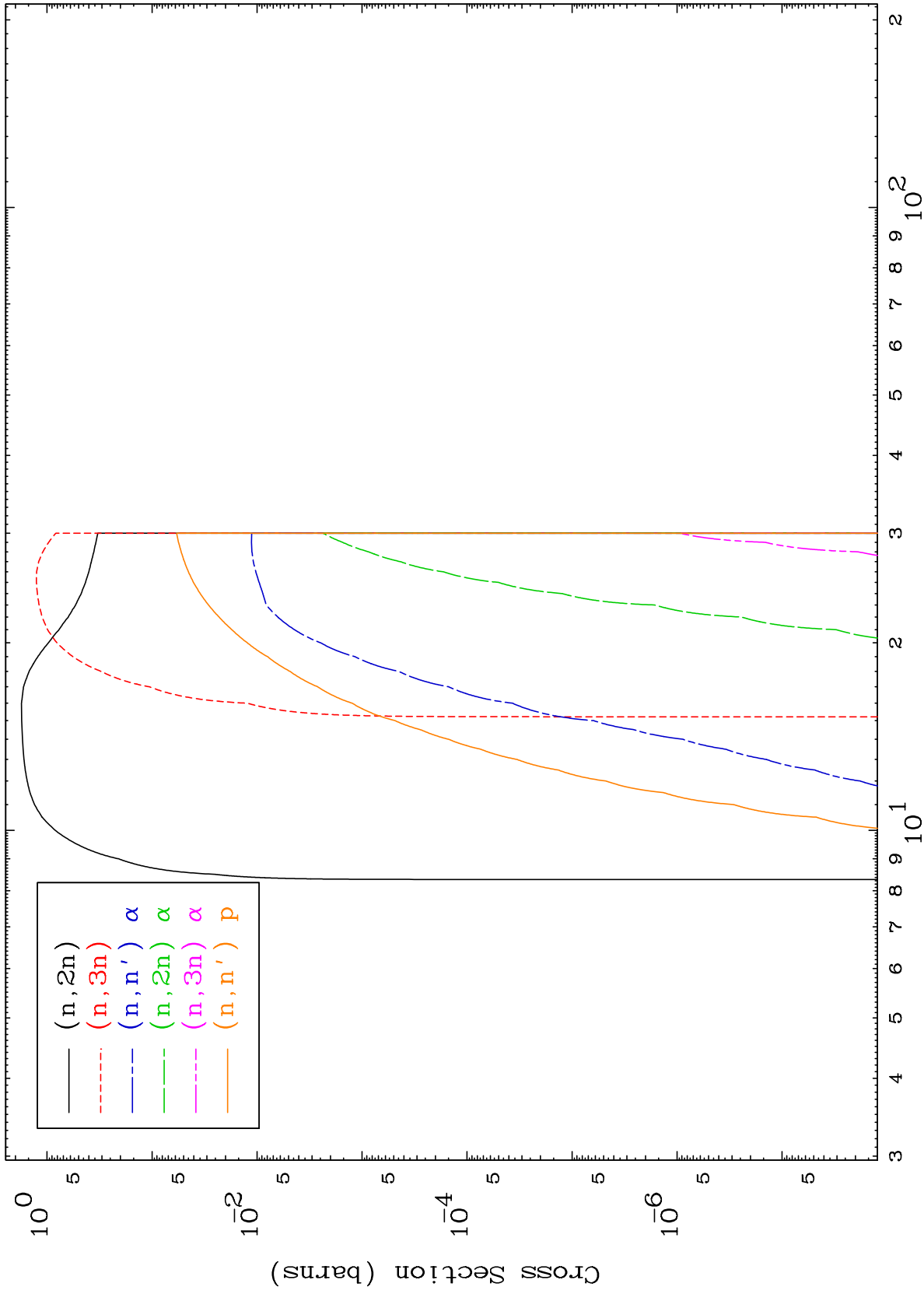
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

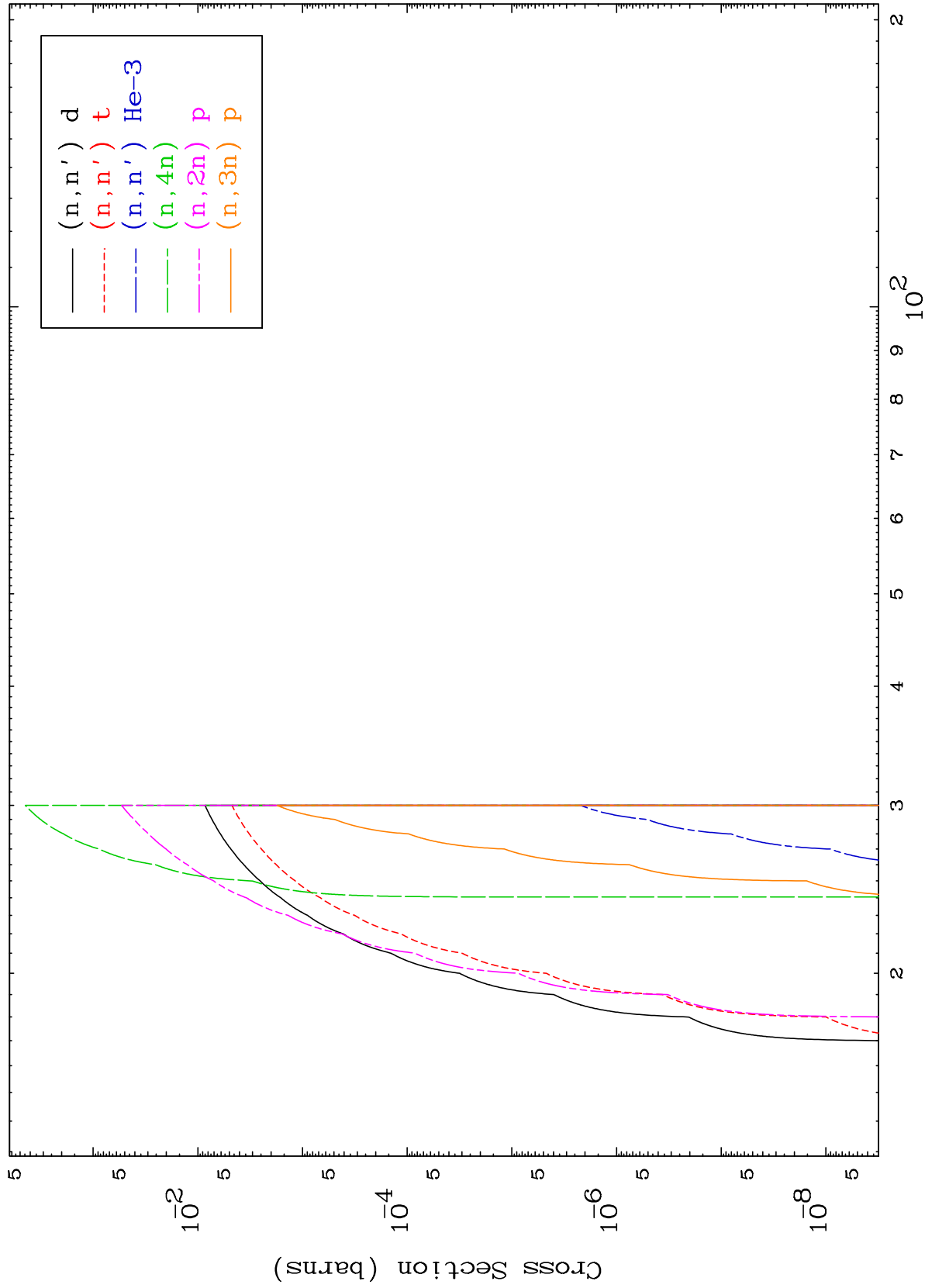
Tele: 925-443-1911

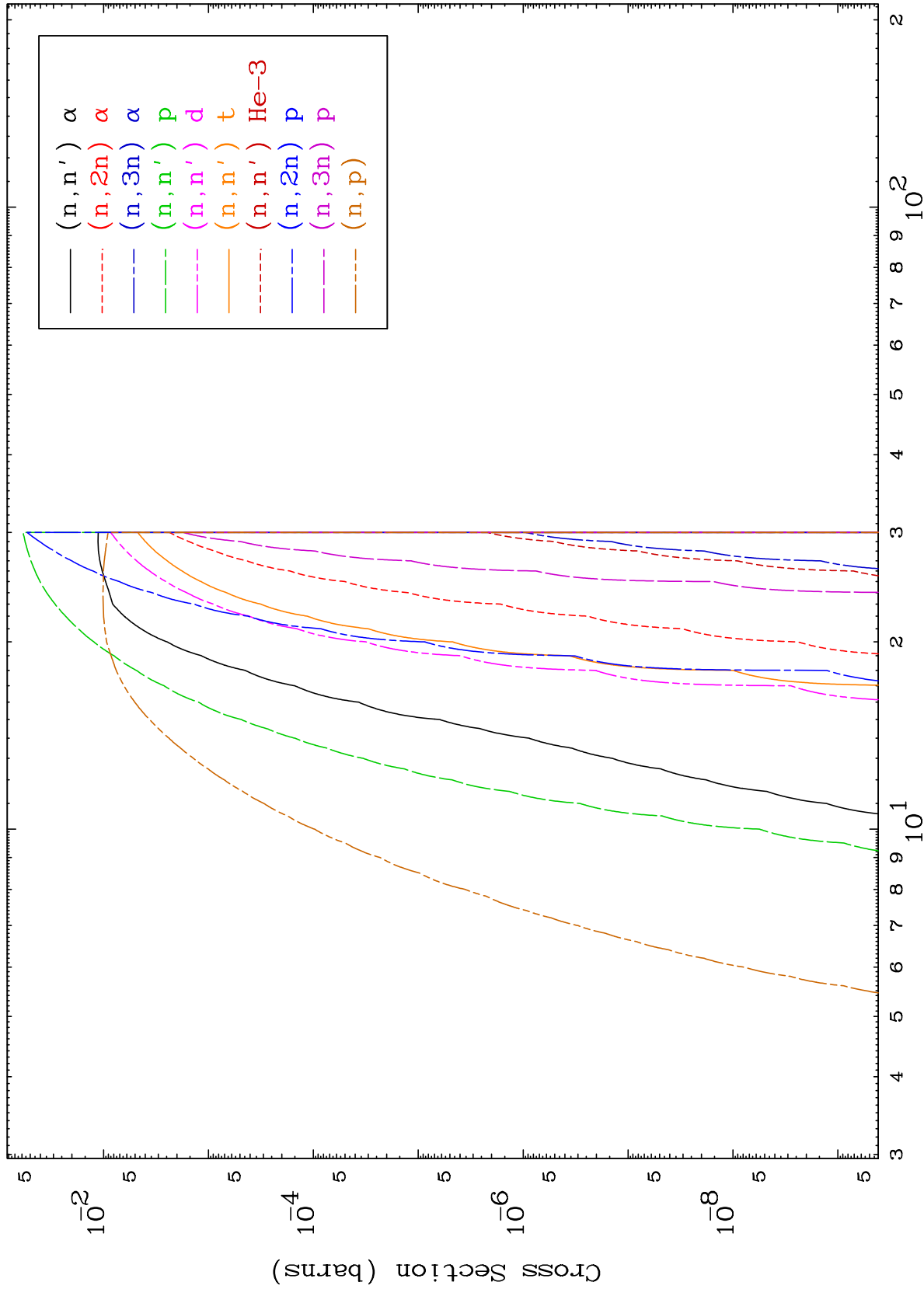
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start





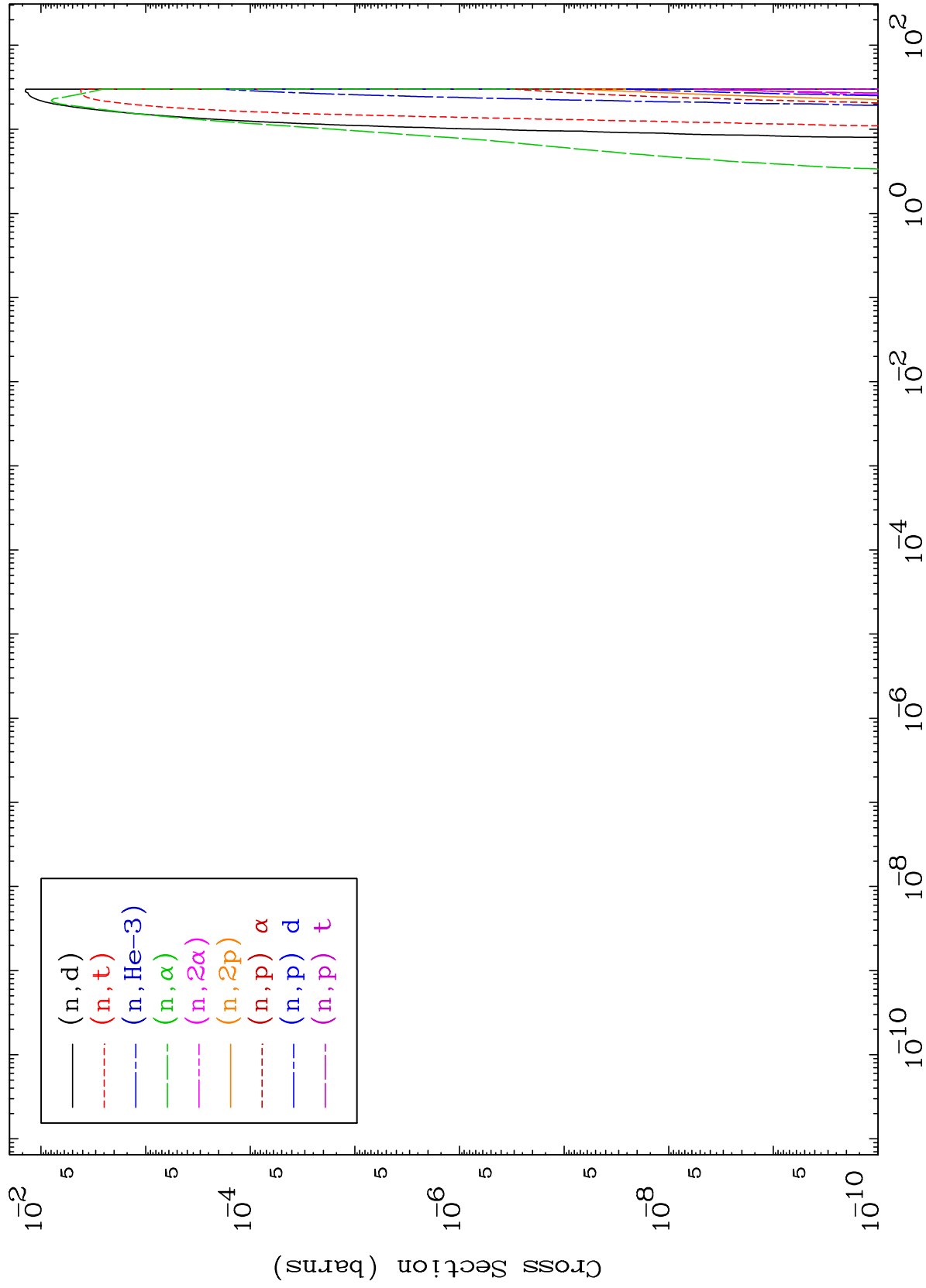




MAT 5537

Charged Particle
293 Kelvin Cross Sections

55-Cs-137



5

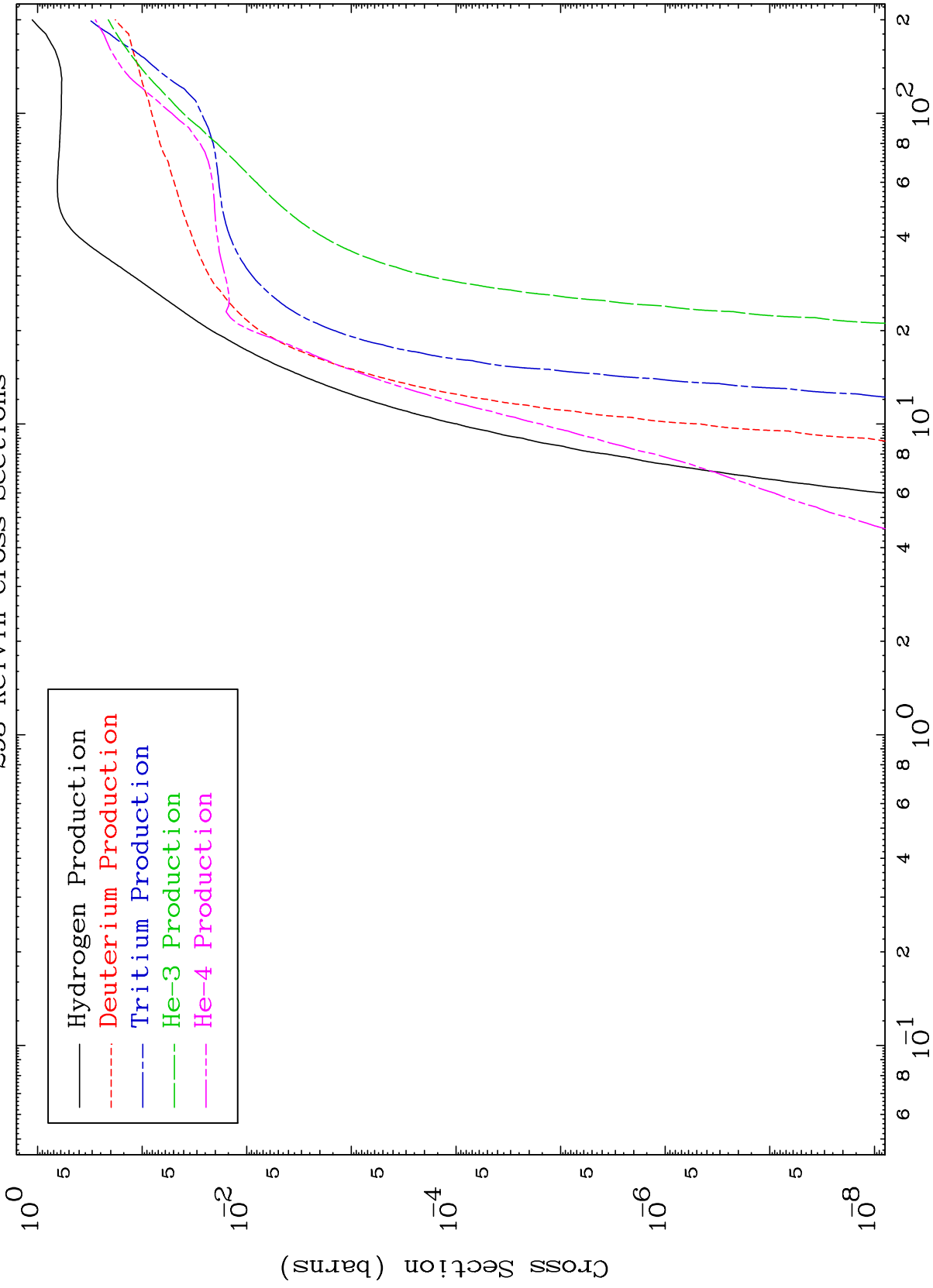
Incident Energy (MeV)

55-Cs-137

MAT 5537

Particle Production
293 Kelvin Cross Sections

55-Cs-137



6

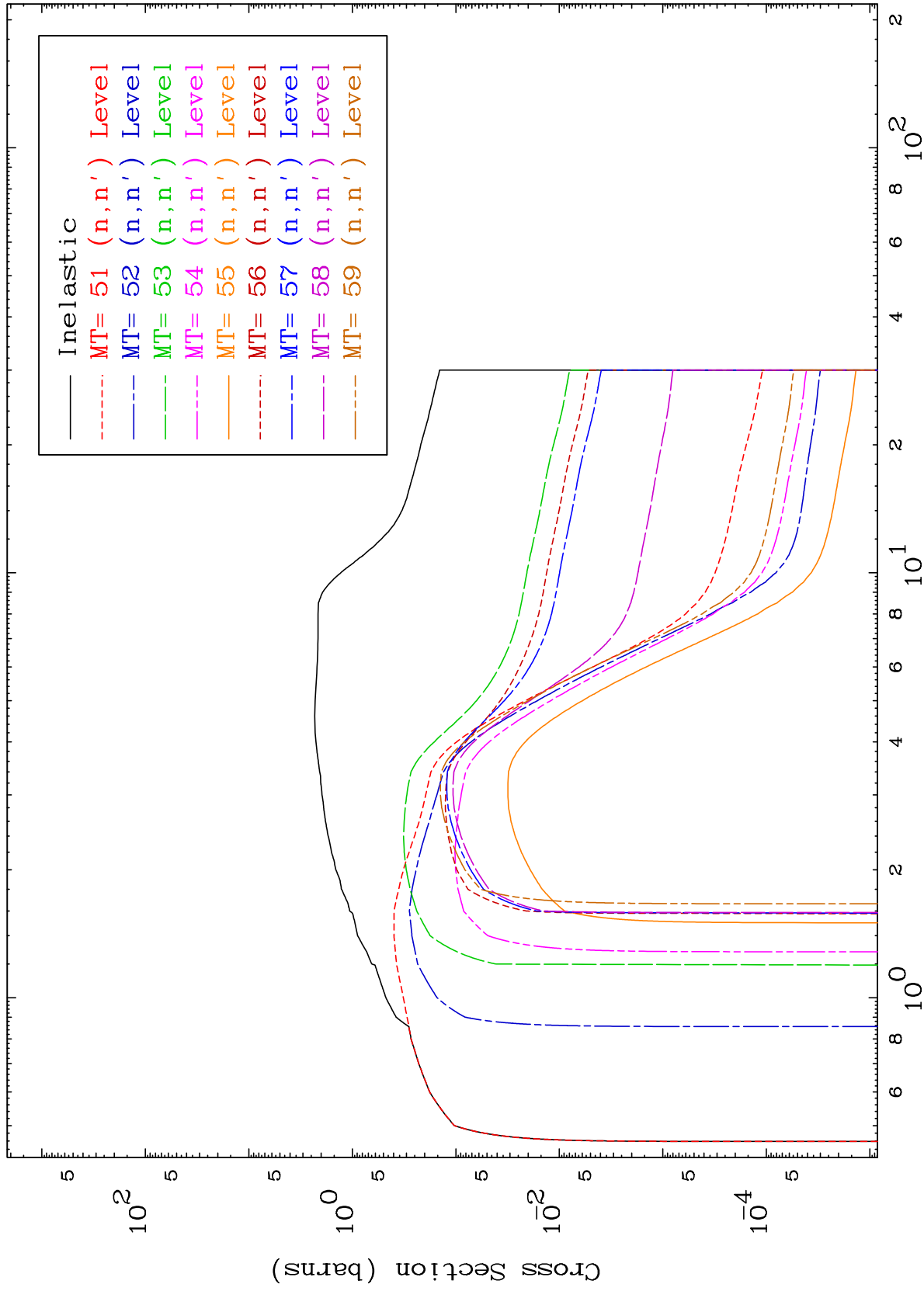
Incident Energy (MeV)

55-Cs-137

MAT 5537

(n,n') Level
293 Kelvin Cross Sections

55-Cs-137



7

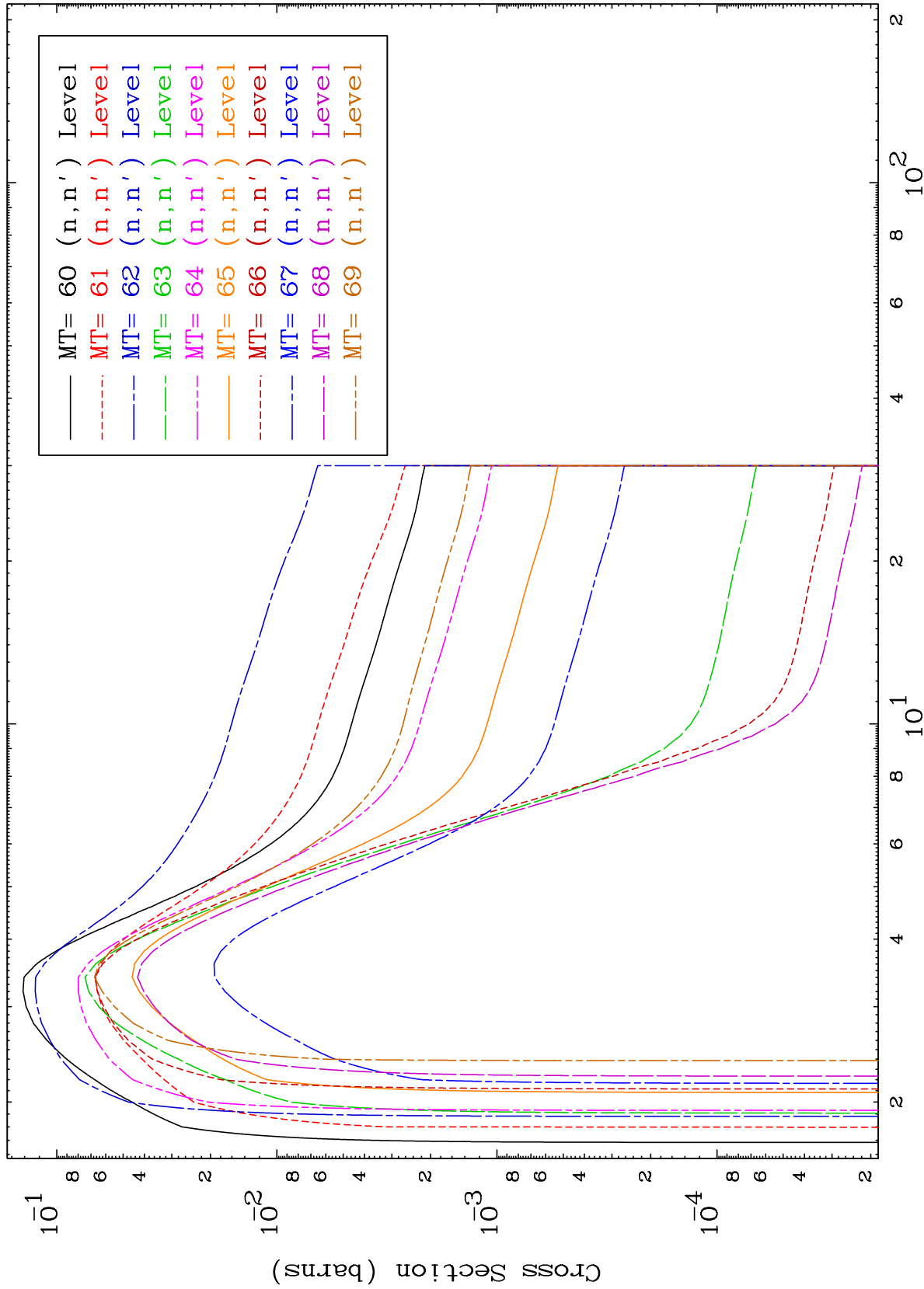
Incident Energy (MeV)

55-Cs-137

MAT 5537

(n,n') Level
293 Kelvin Cross Sections

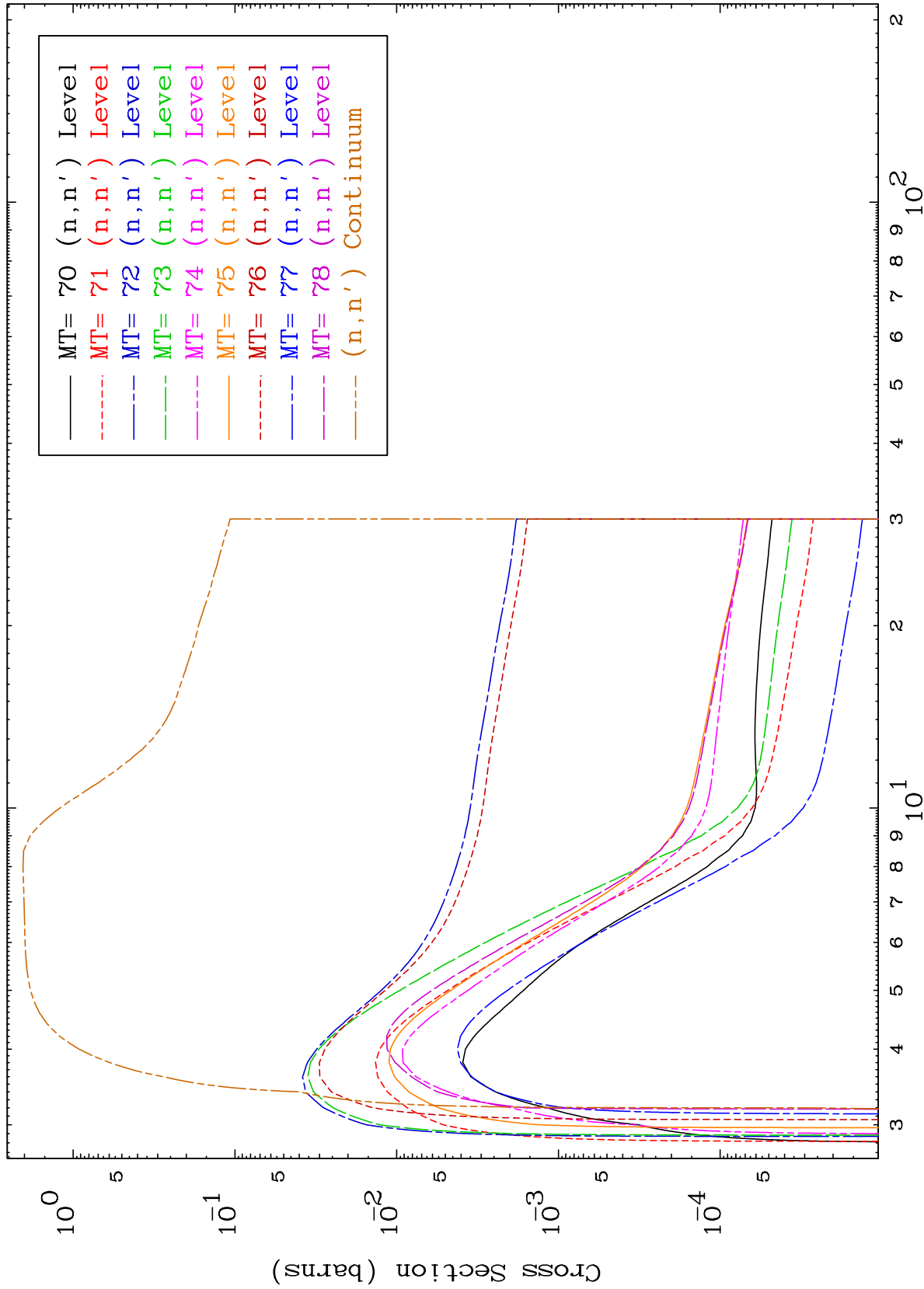
55-Cs-137



8

Incident Energy (MeV)

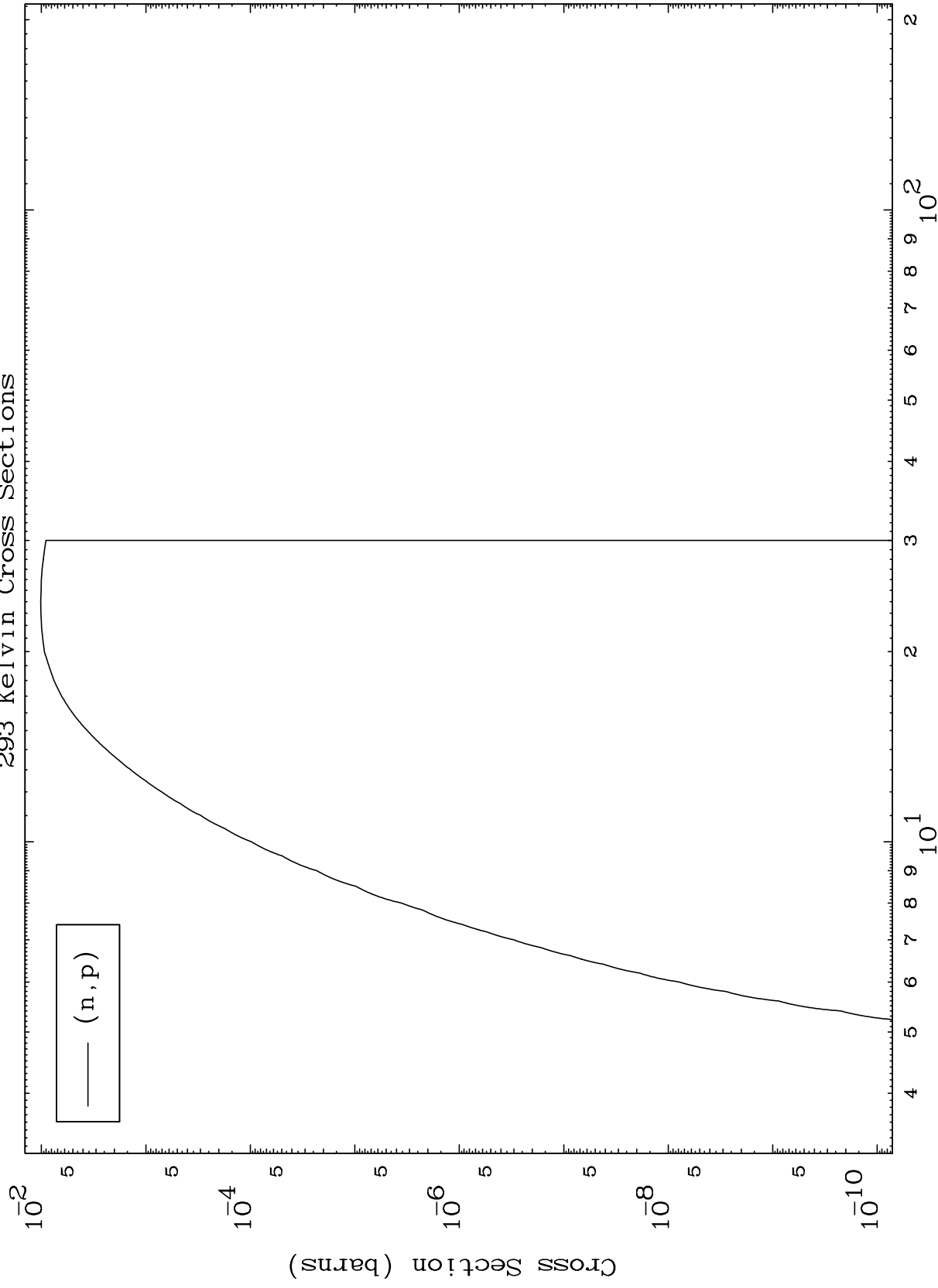
55-Cs-137



MAT 5537

(n,p) Levels
293 Kelvin Cross Sections

55-Cs-137



10

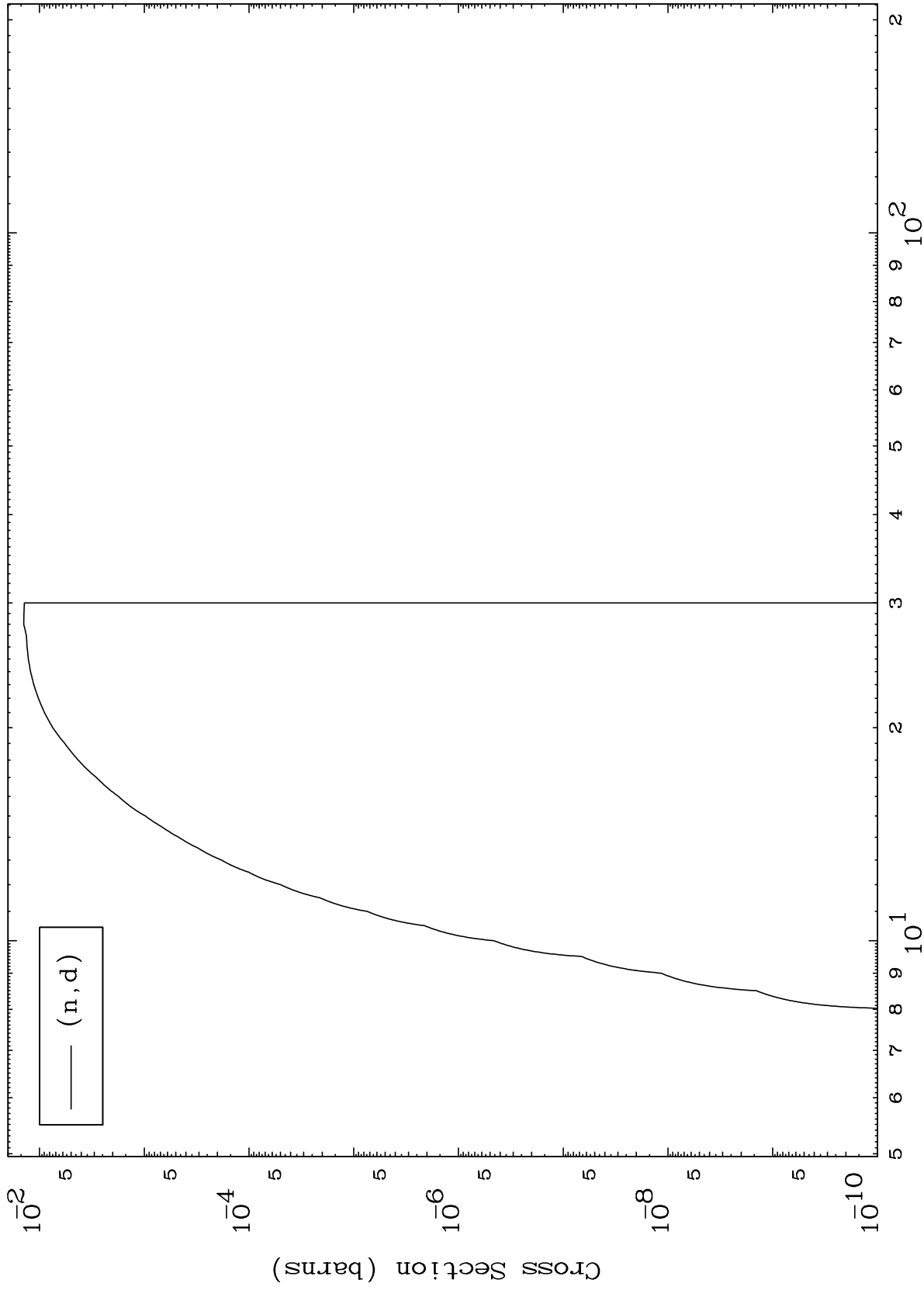
Incident Energy (MeV)

55-Cs-137

MAT 5537

55-Cs-137

(n,d) Levels
293 Kelvin Cross Sections



11

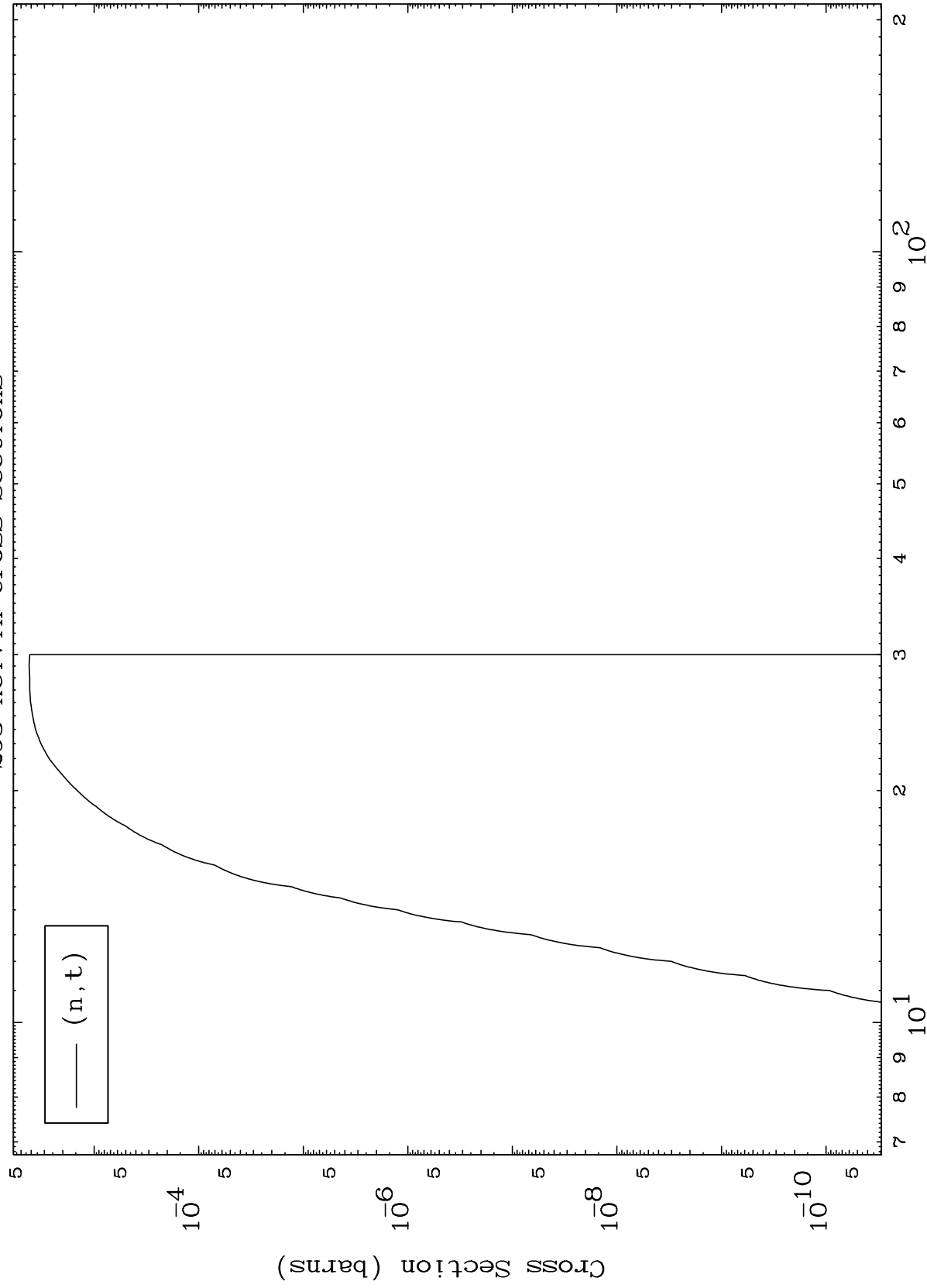
Incident Energy (MeV)

55-Cs-137

MAT 5537

(n,t) Levels
293 Kelvin Cross Sections

55-Cs-137



12

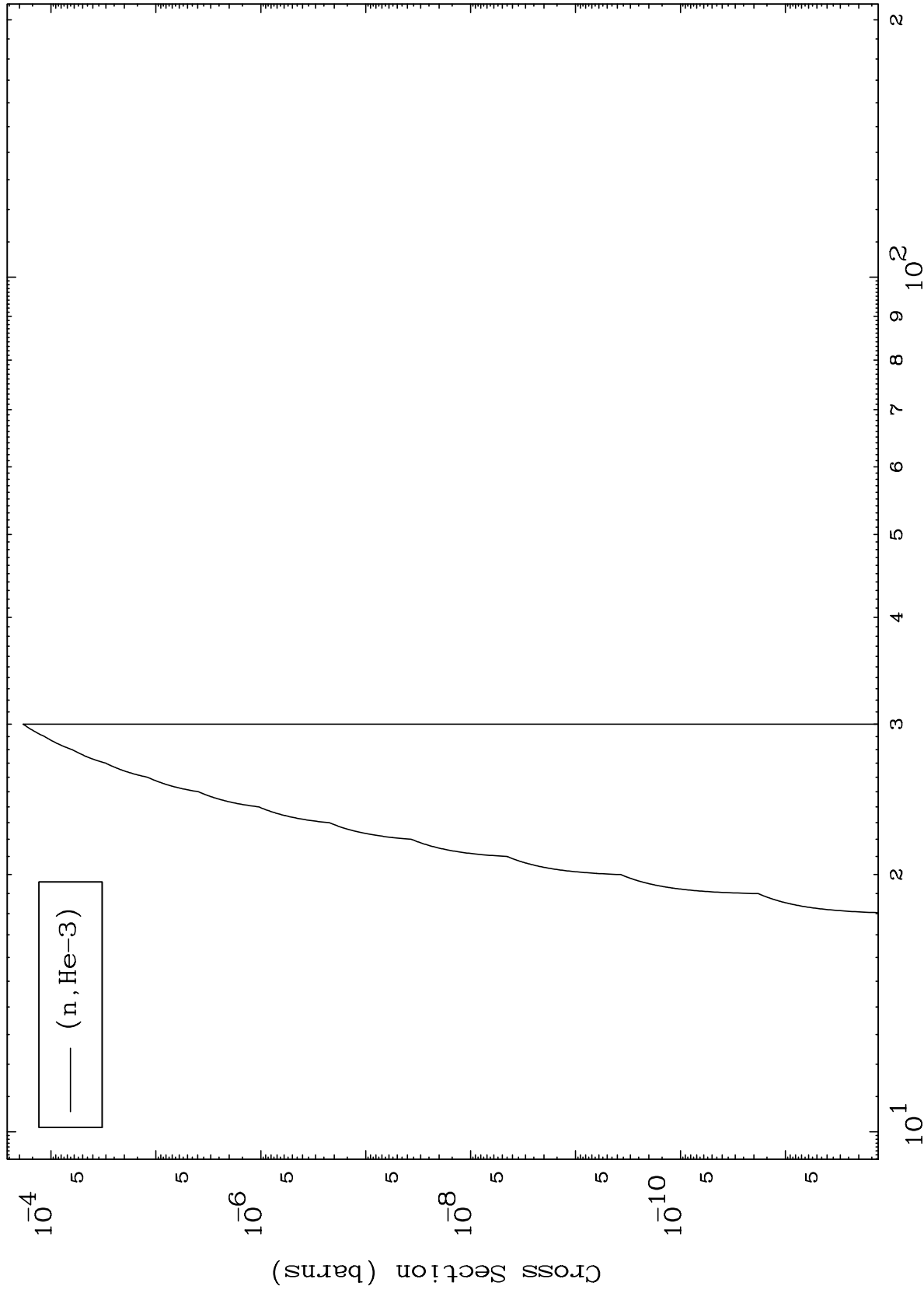
Incident Energy (MeV)

55-Cs-137

MAT 5537

55-Cs-137

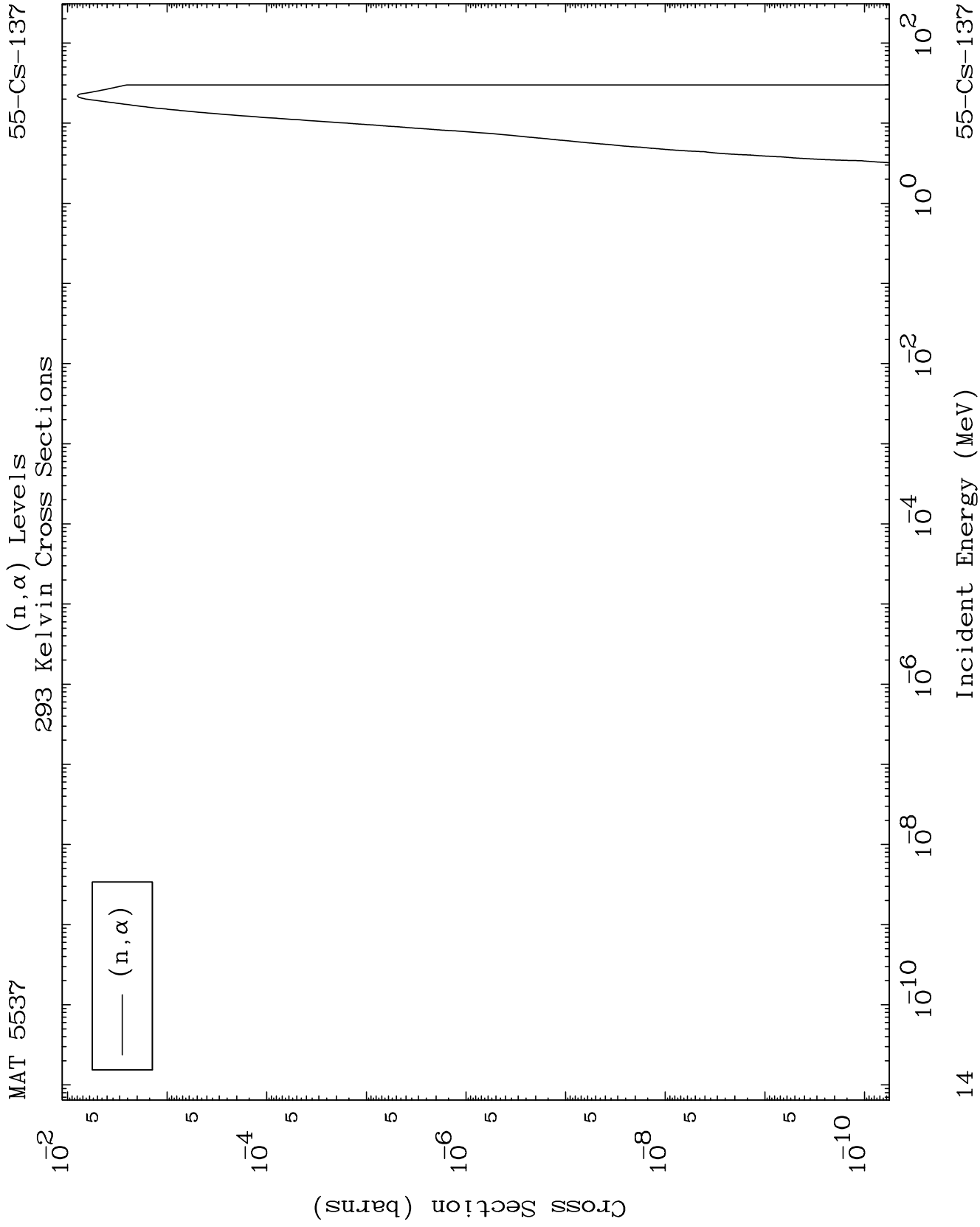
(n,He3) Levels
293 Kelvin Cross Sections

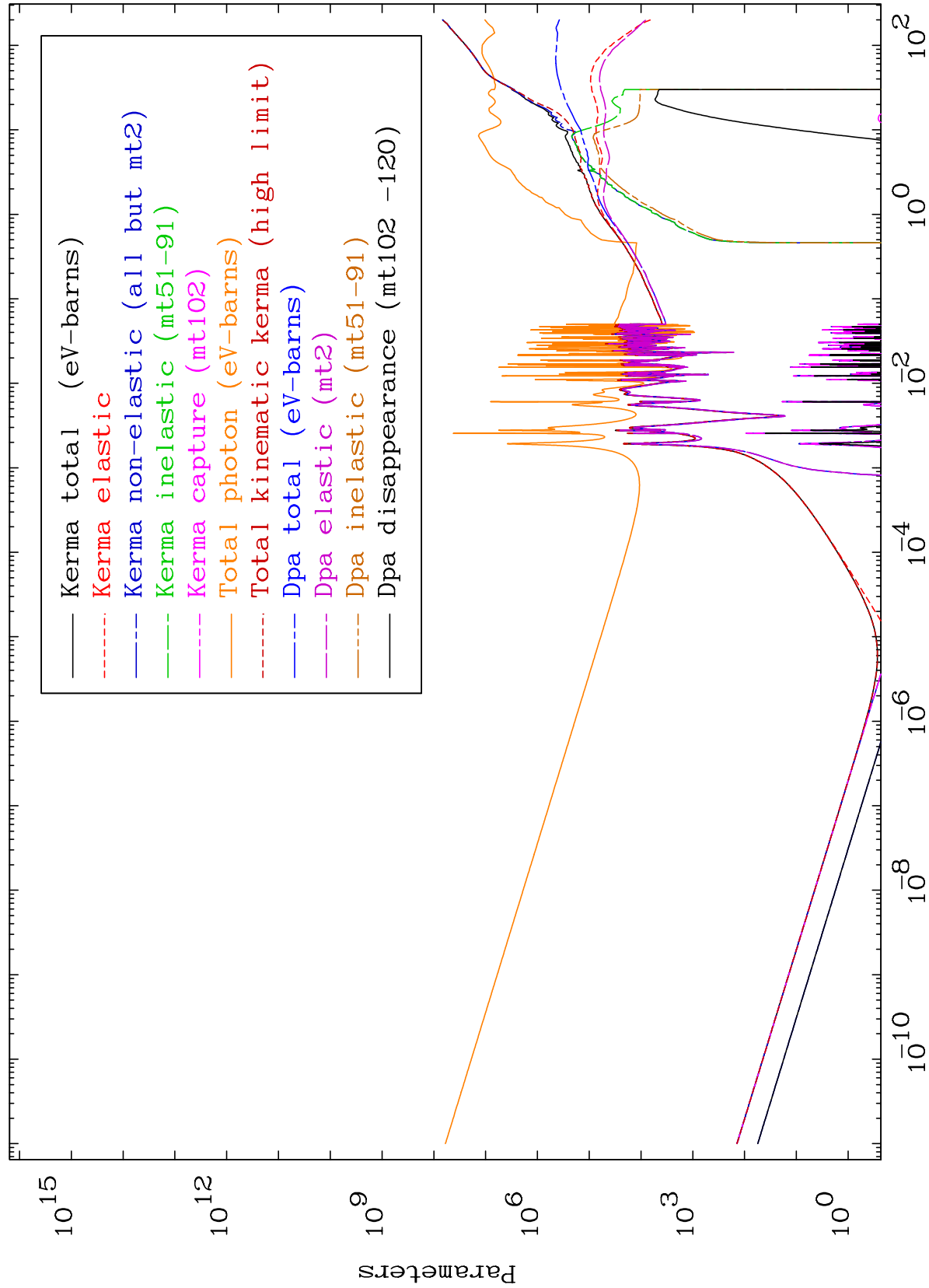


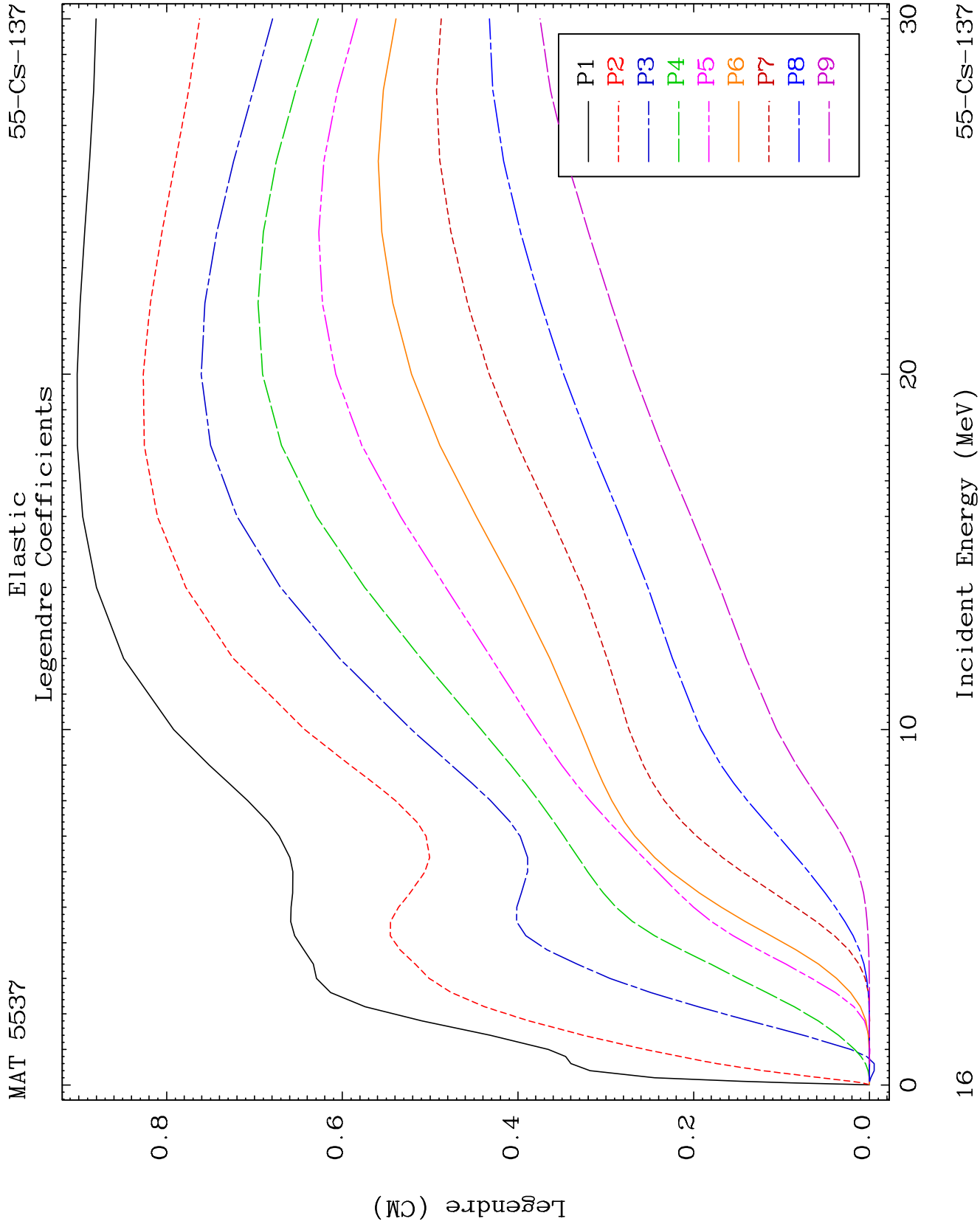
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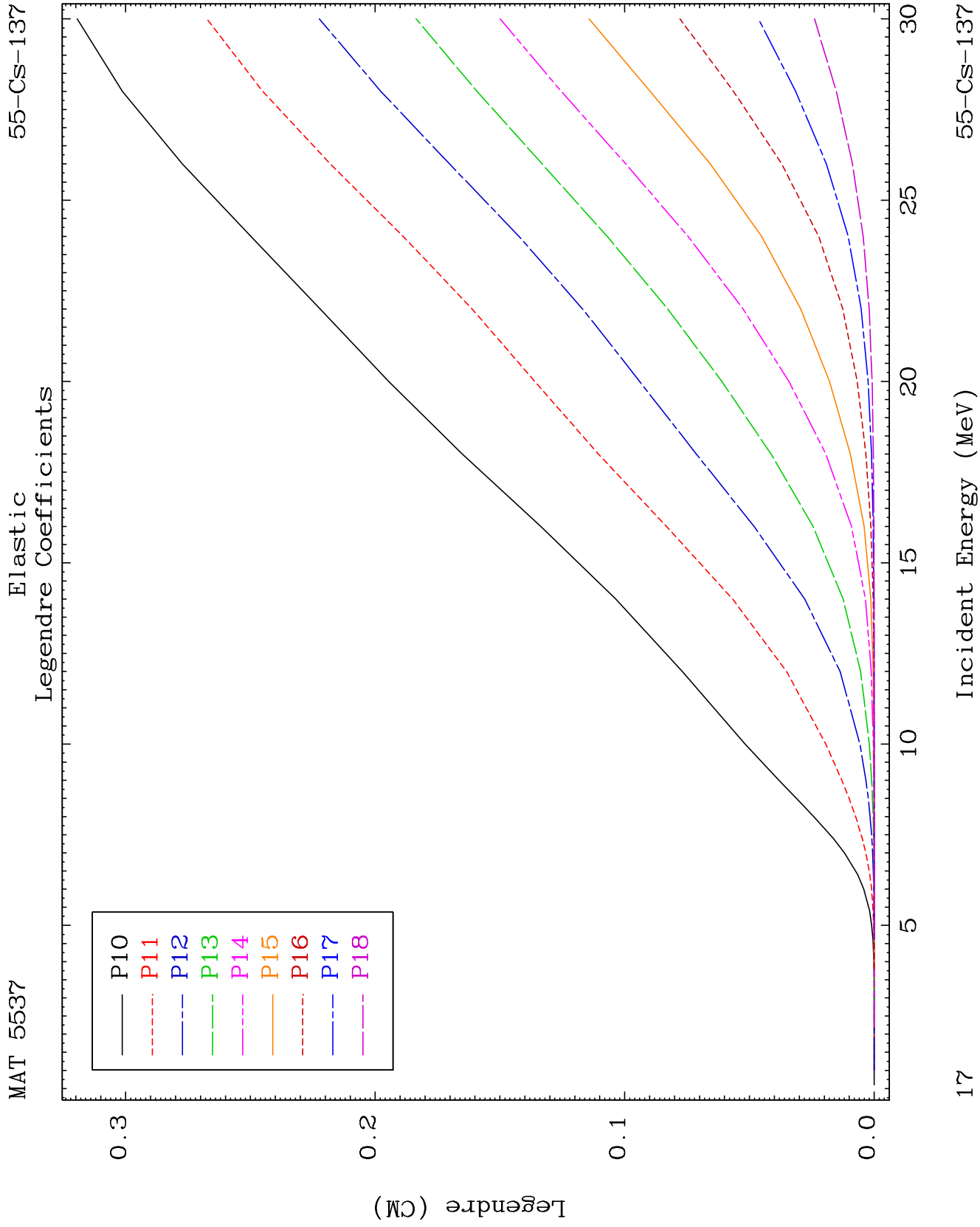
Incident Energy (MeV)

55-Cs-137





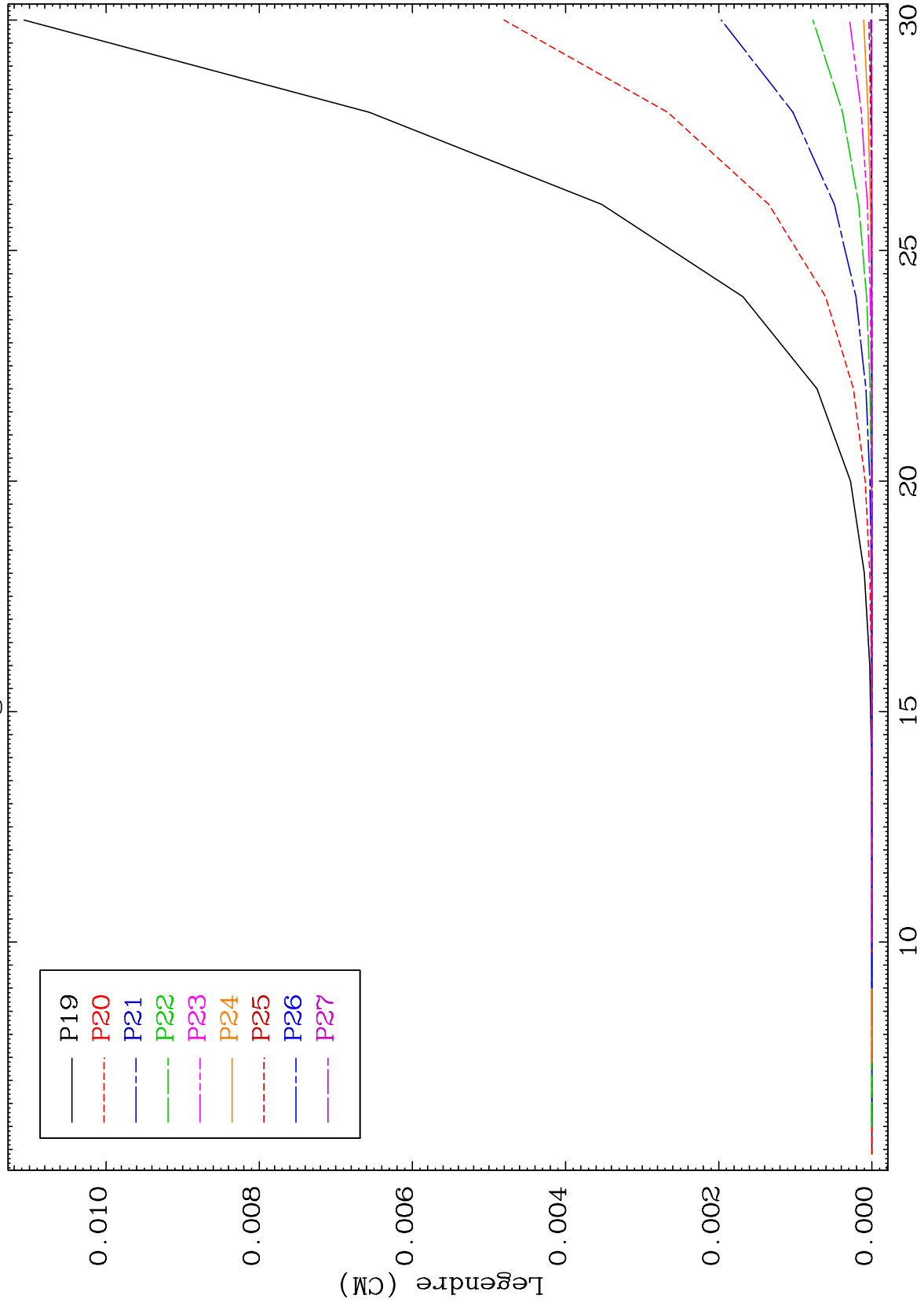




MAT 5537

Elastic Legendre Coefficients

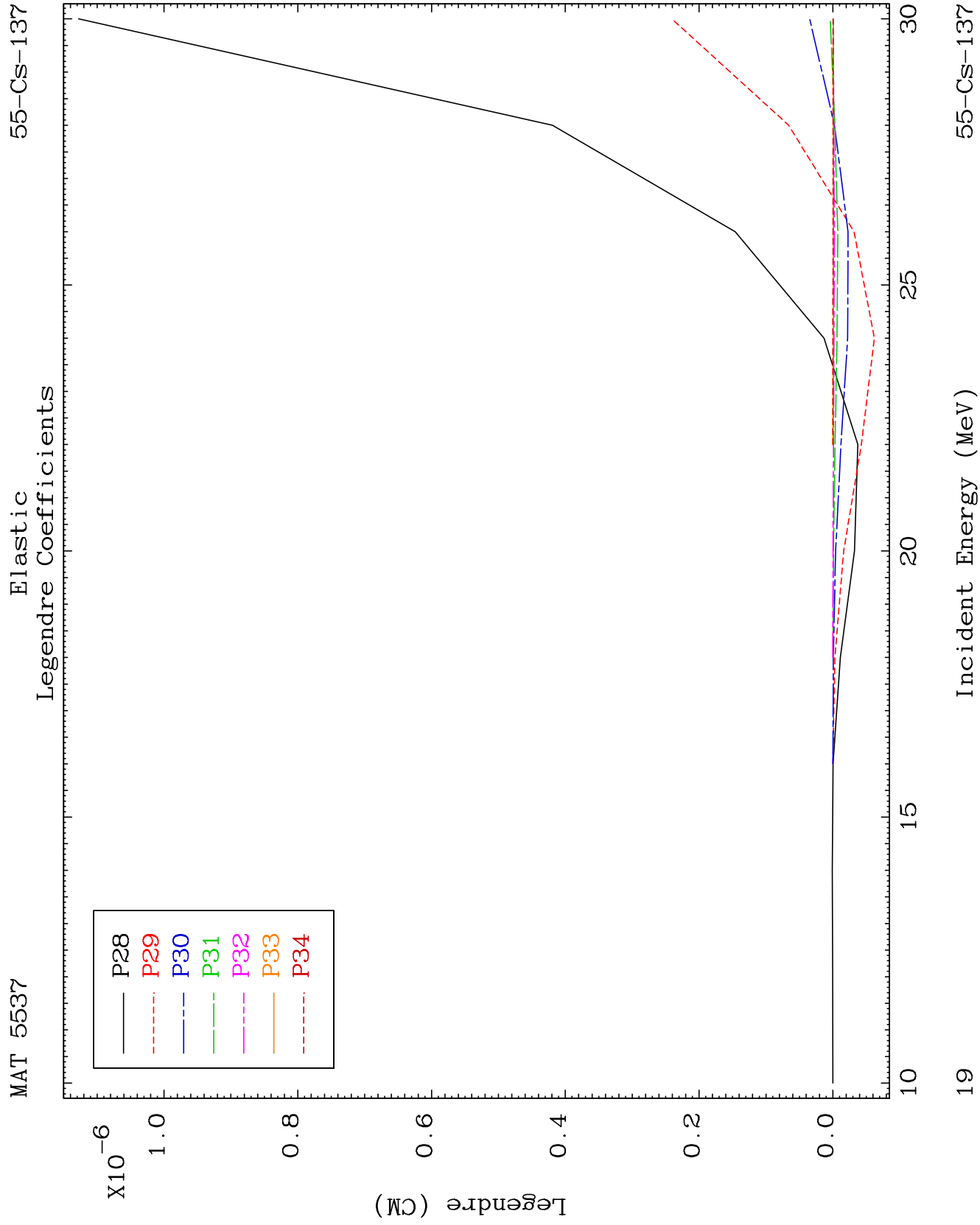
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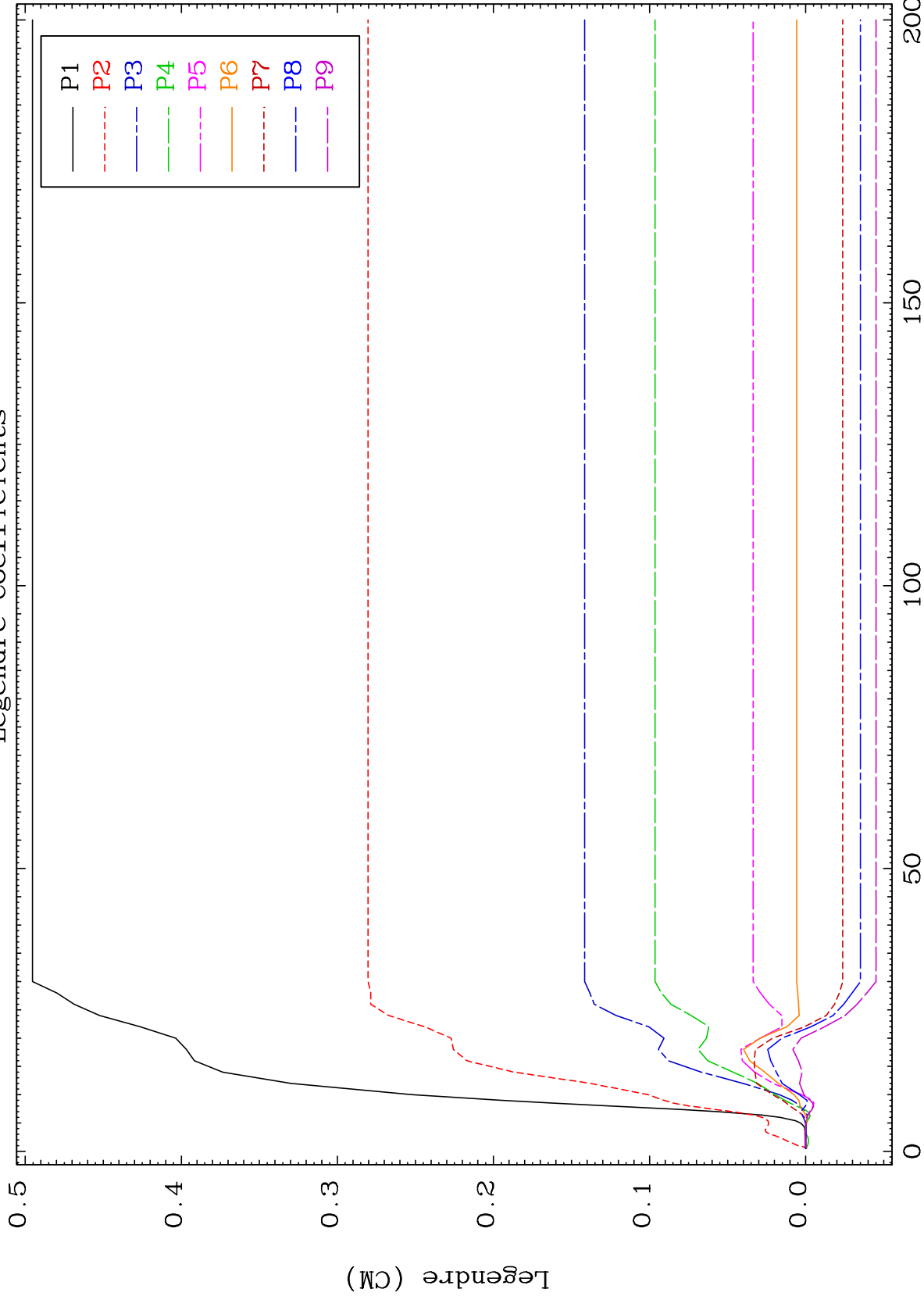
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Incident Energy (MeV)

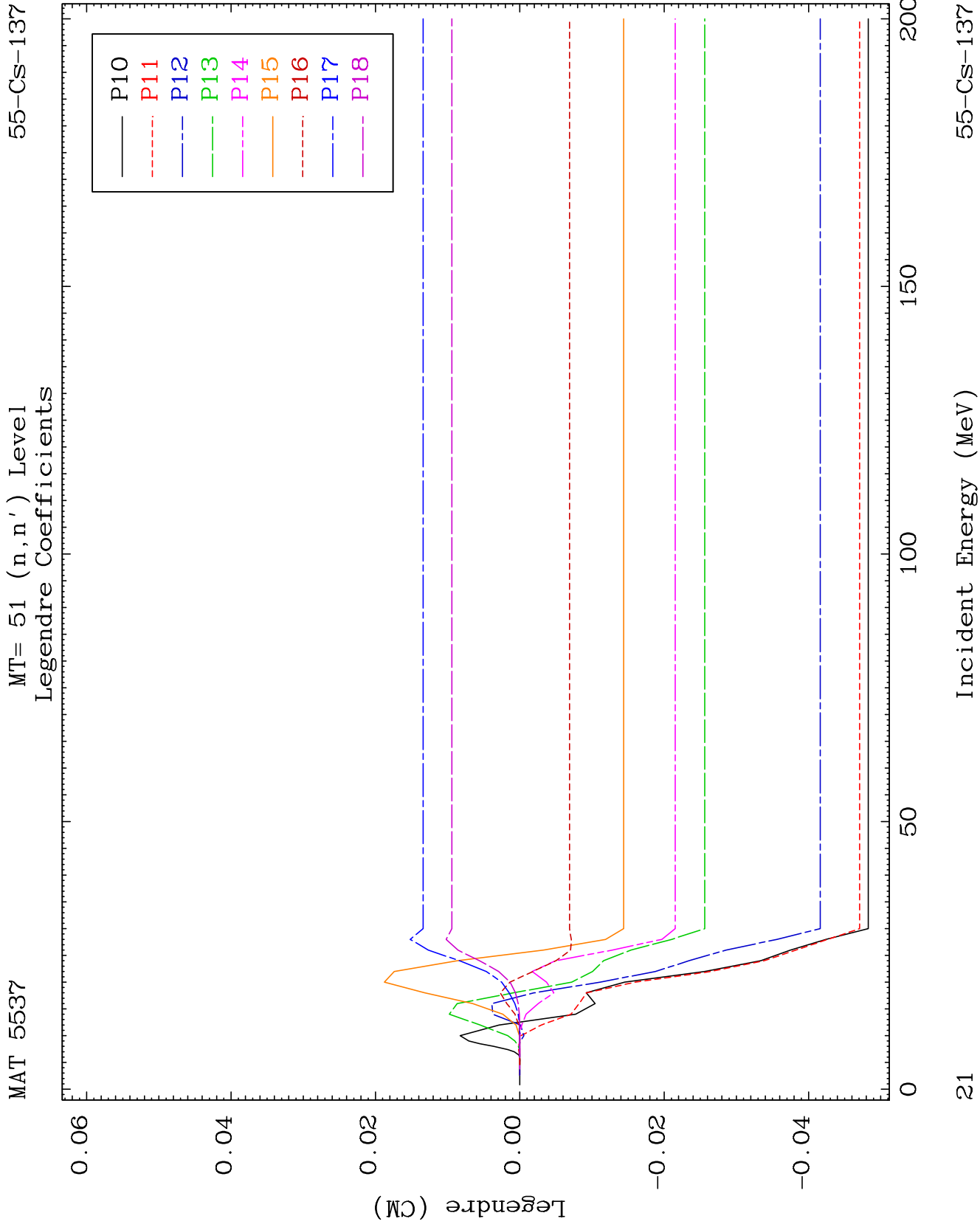
55-CS-137

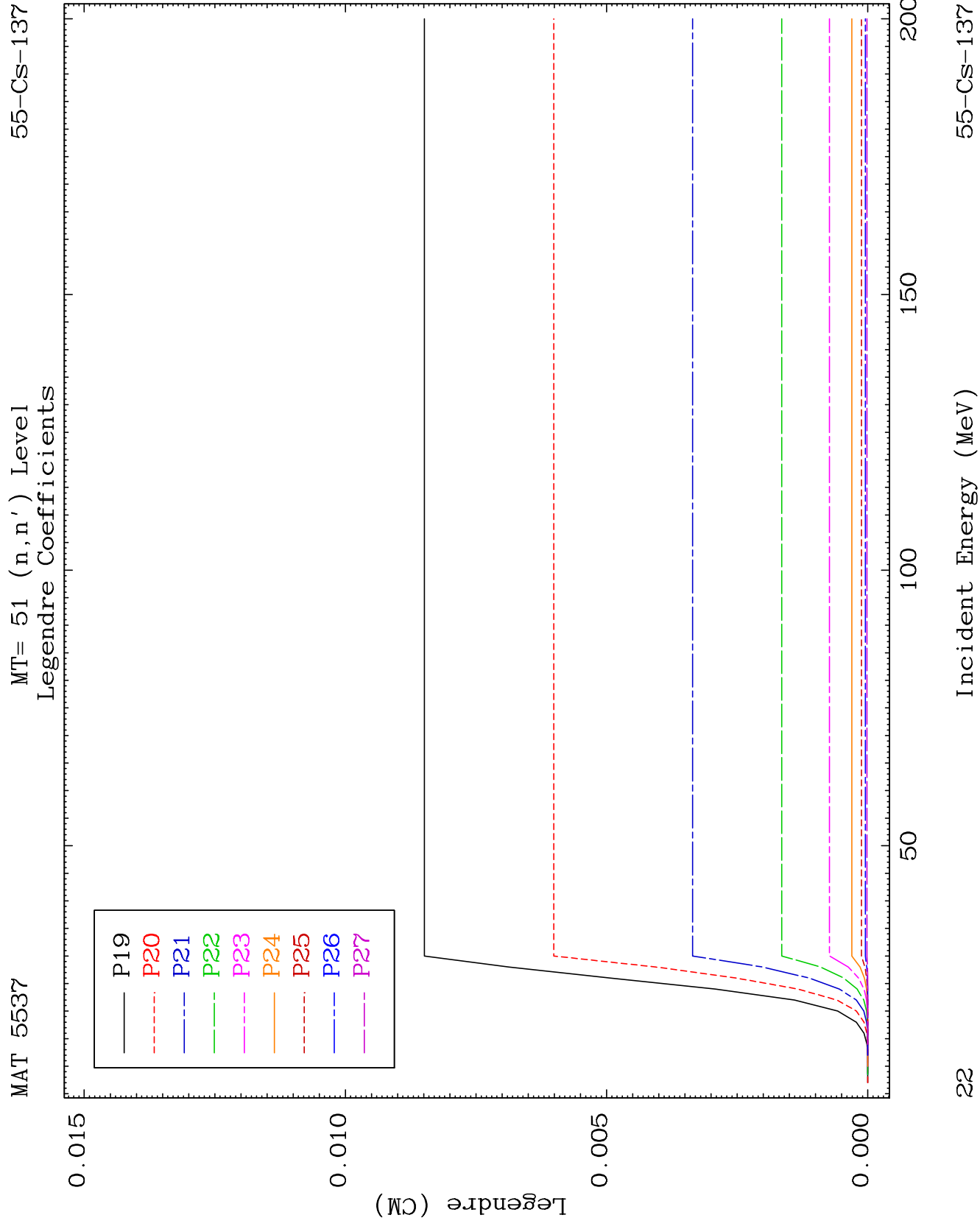


MAT 5537 MT= 51 (n,n') Level
Legendre Coefficients 55-Cs-137



20 50 100 150 200 55-Cs-137

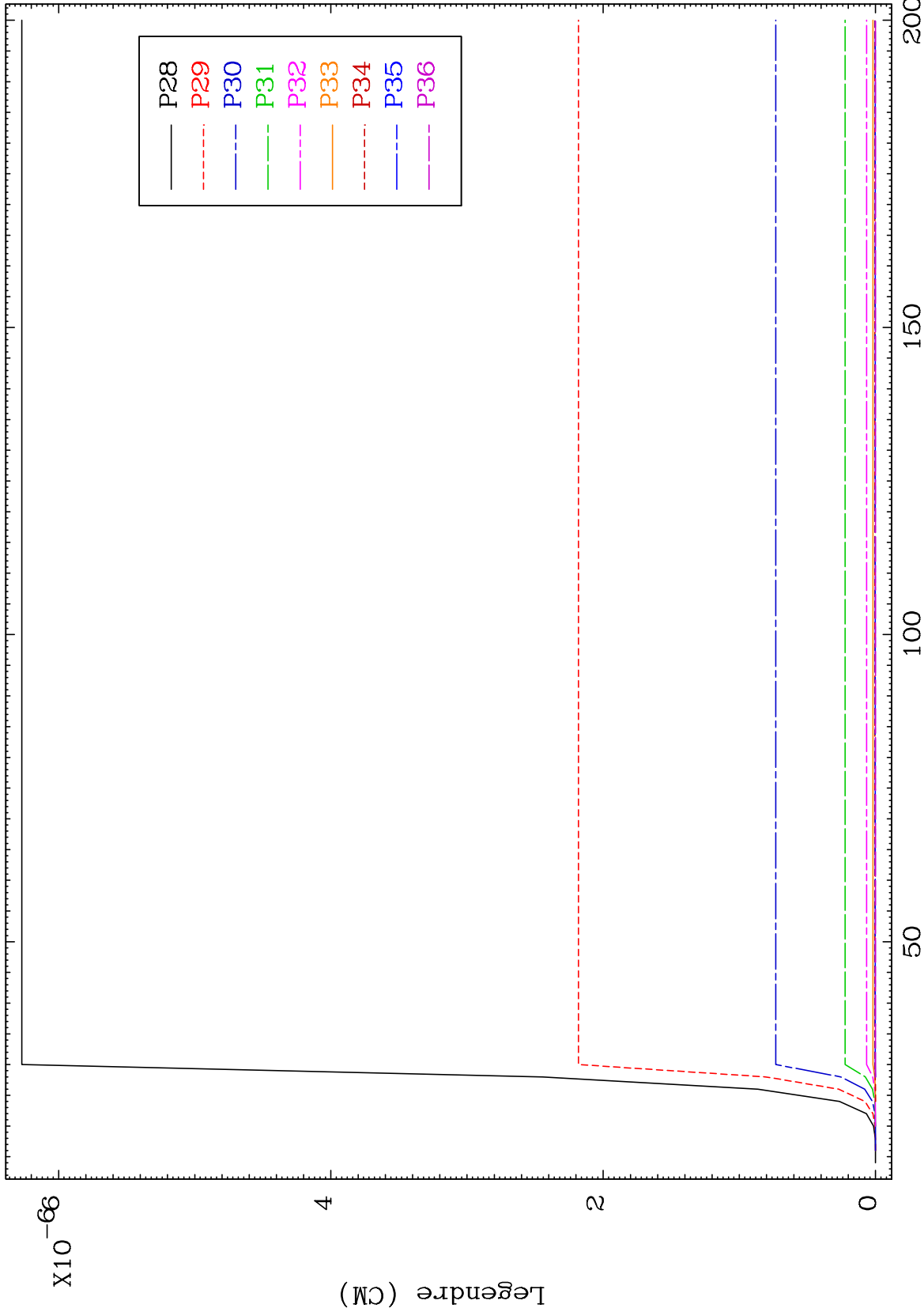




MAT 5537

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

55-Cs-137



23

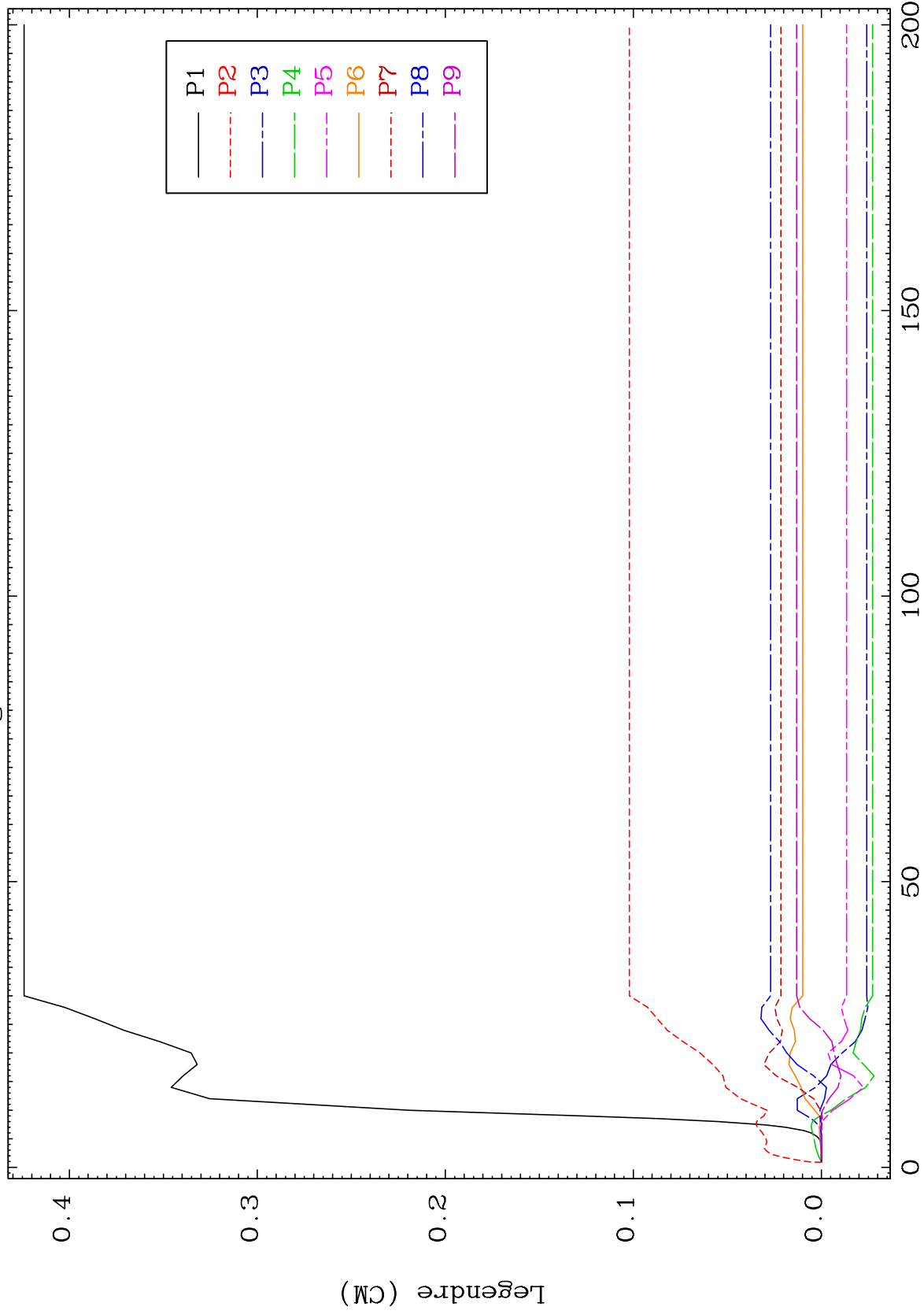
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137

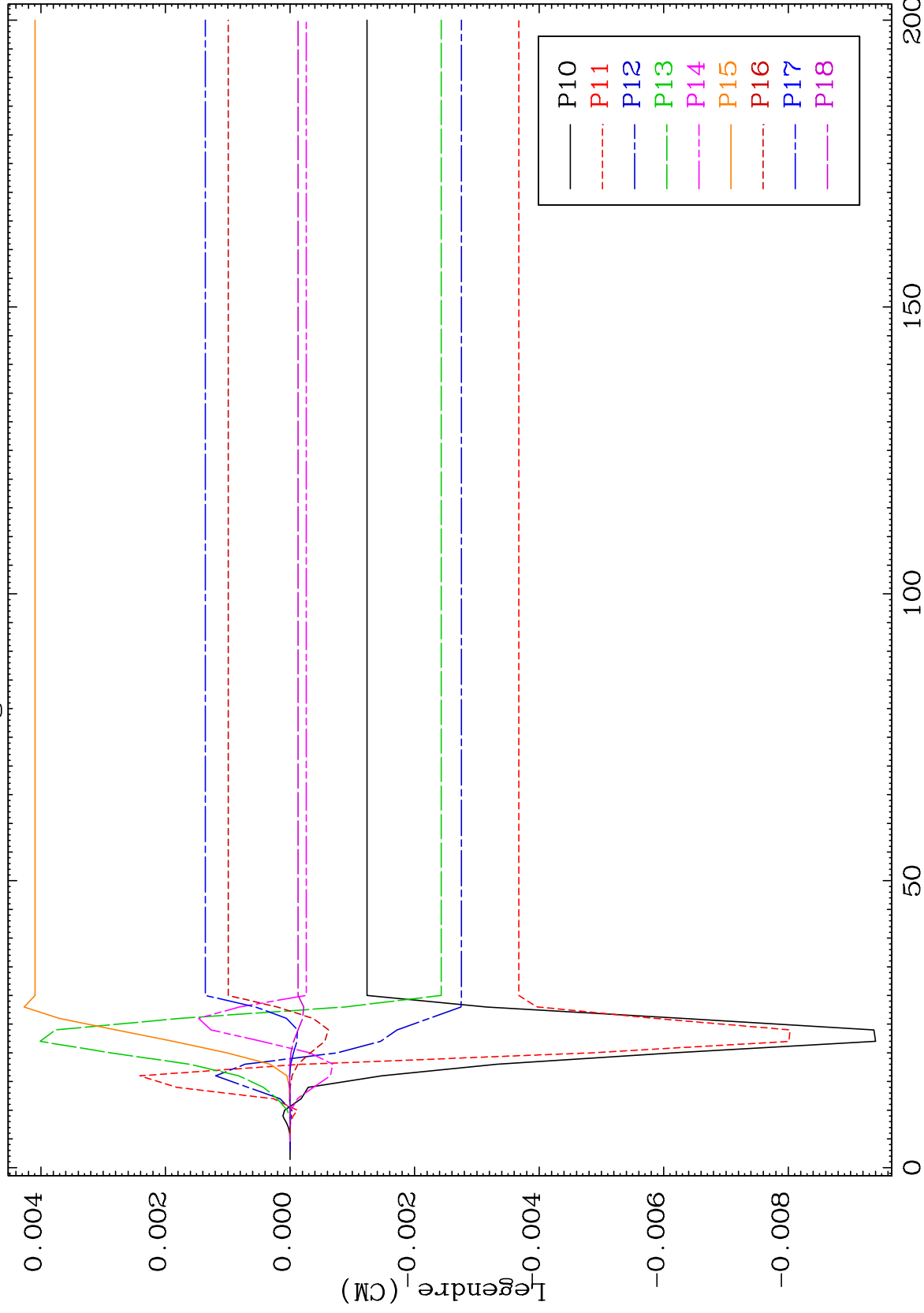


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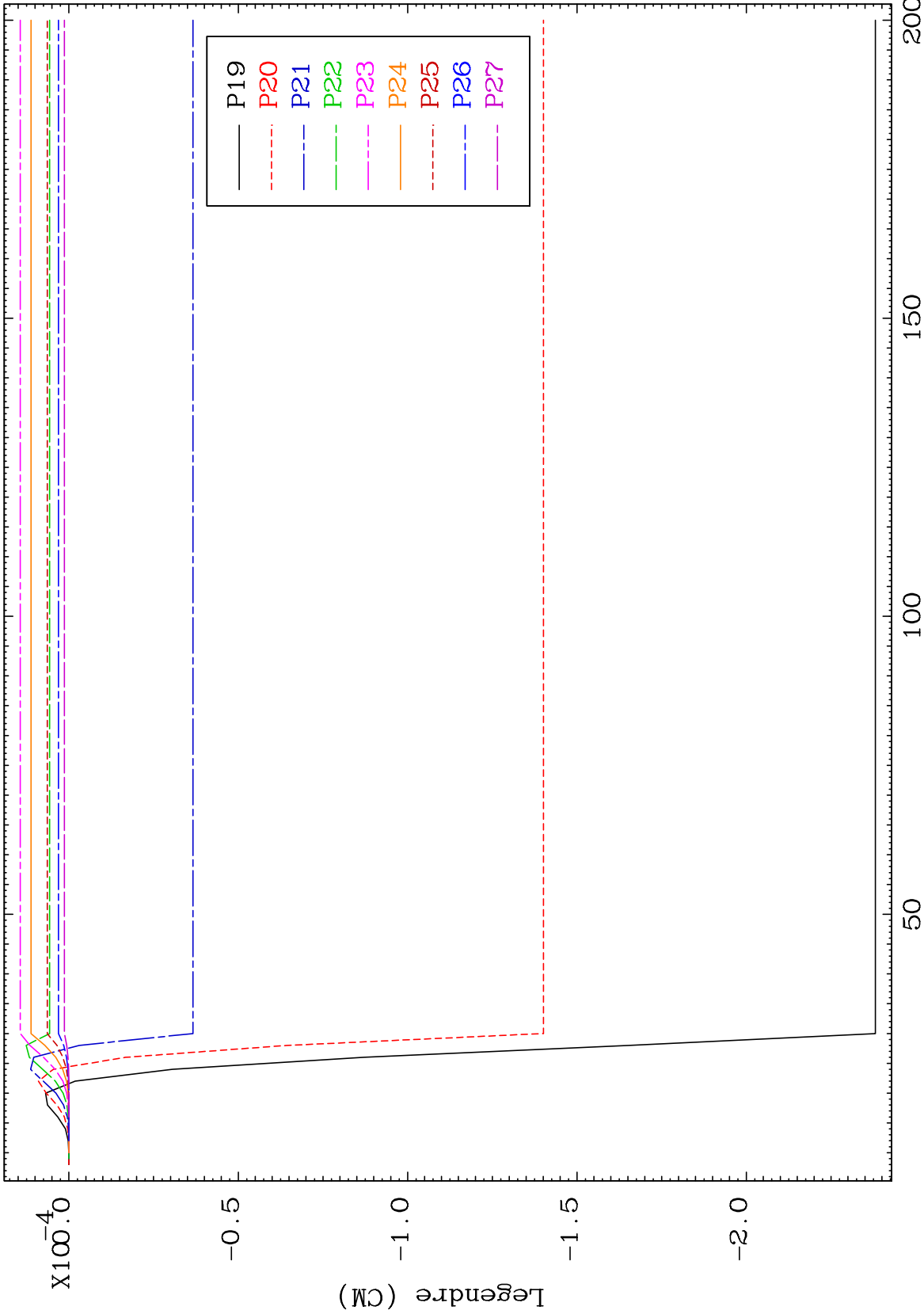
Incident Energy (MeV)

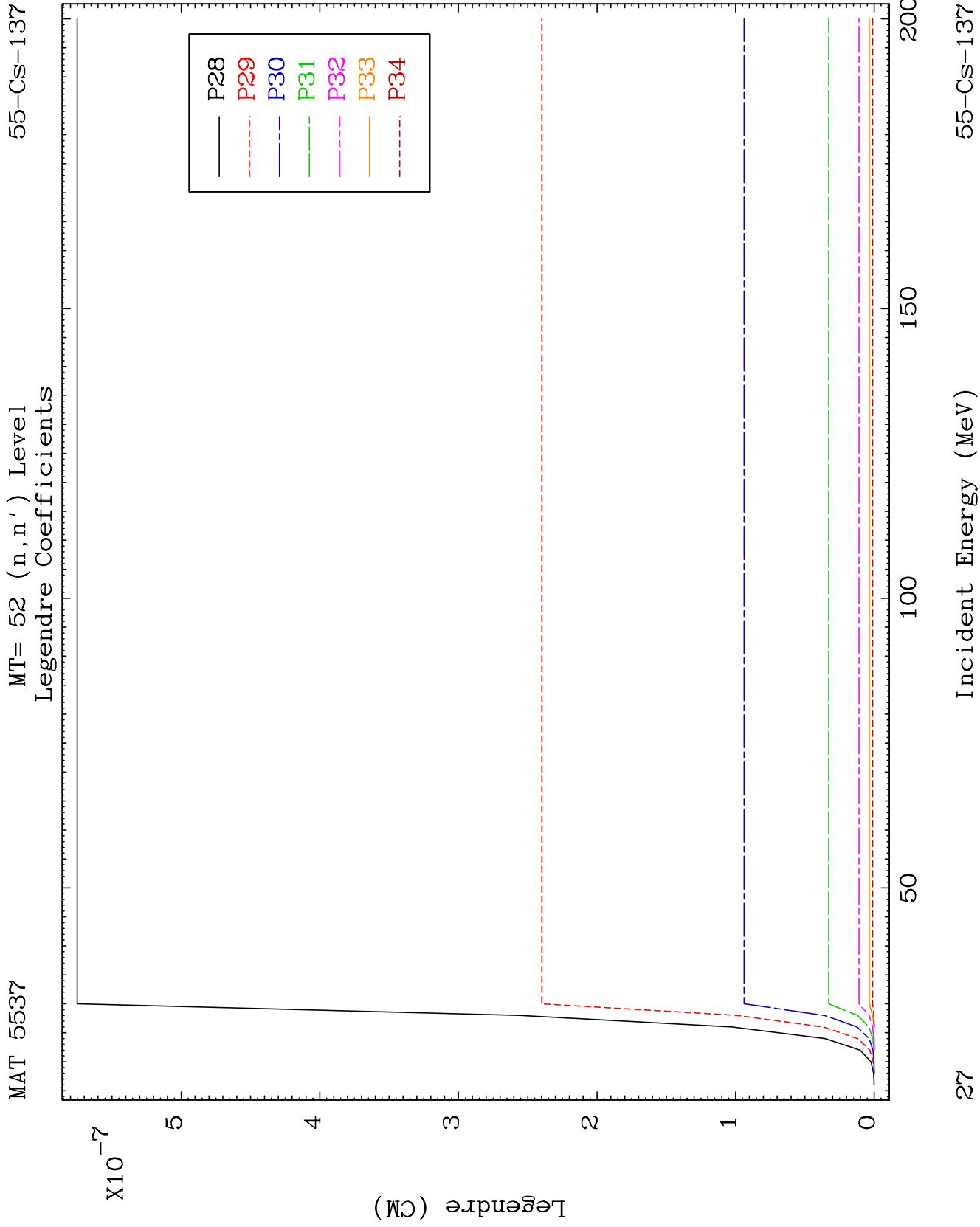
55-Cs-137

MAT 5537 MT= 52 (n,n') Level Legendre Coefficients 55-Cs-137

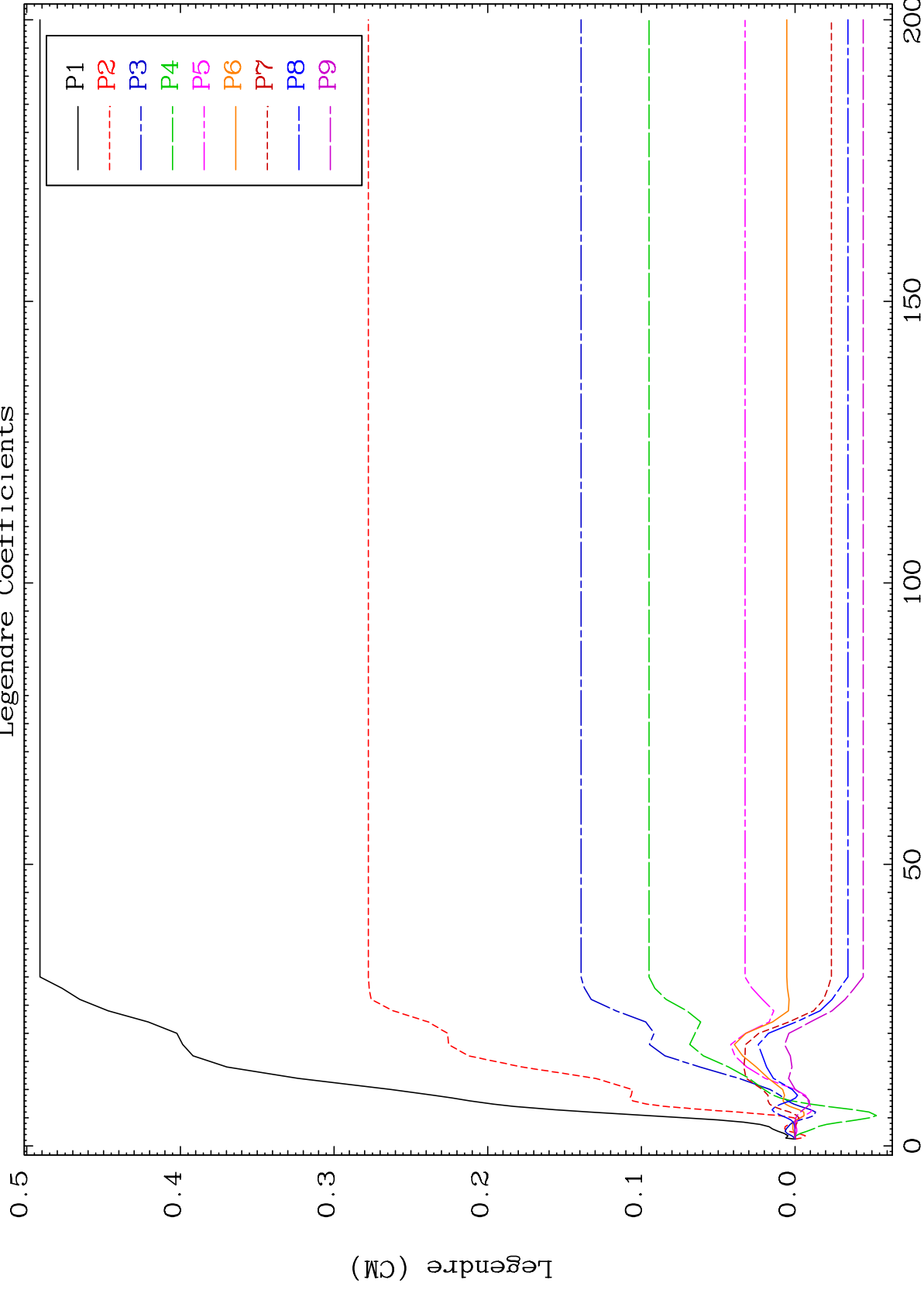


25 Incident Energy (MeV) 55-Cs-137





MAT 5537 MT= 53 (n,n') Level Legendre Coefficients 55-Cs-137

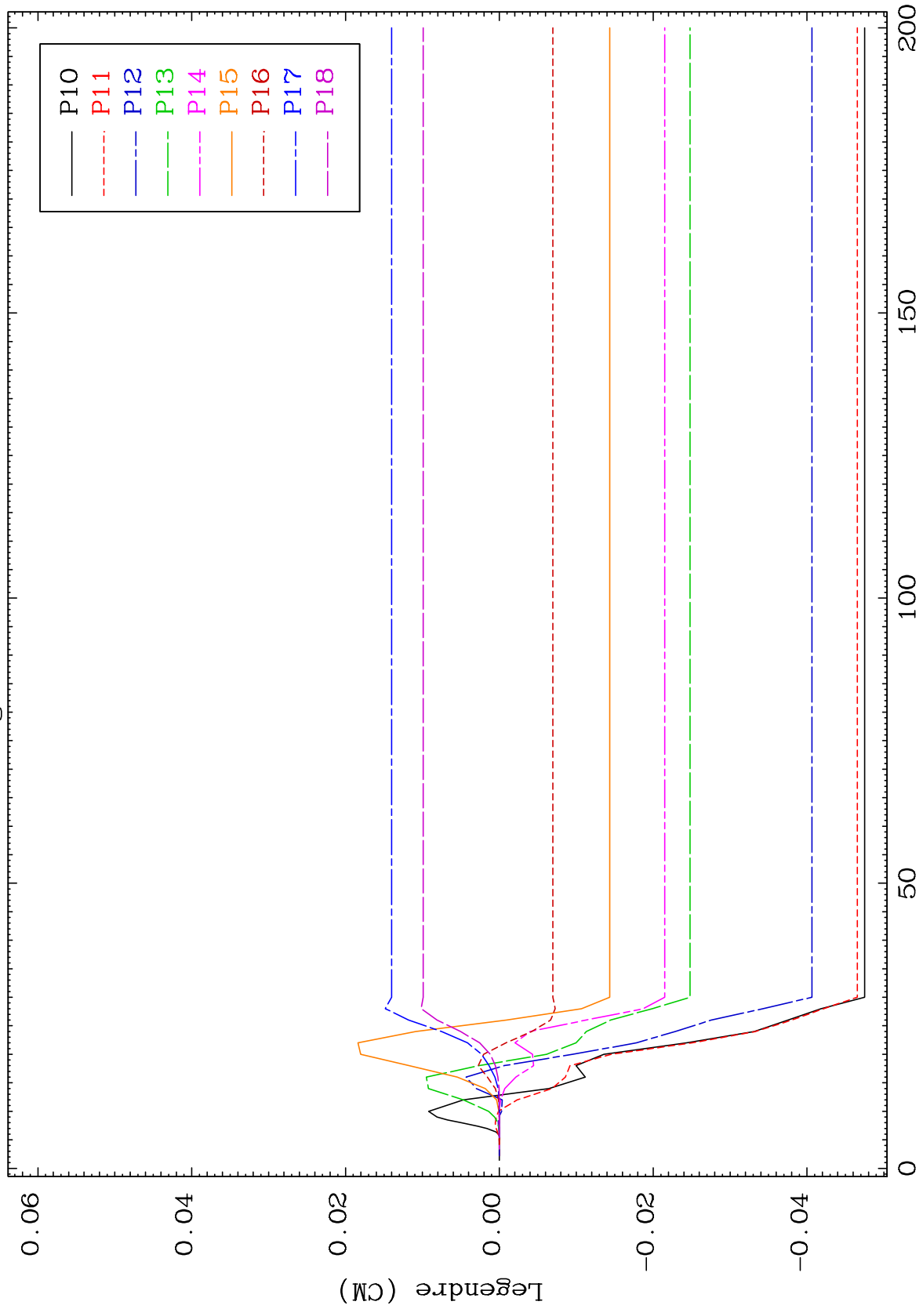


28 55-Cs-137

MAT 5537

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

55-CS-137



92

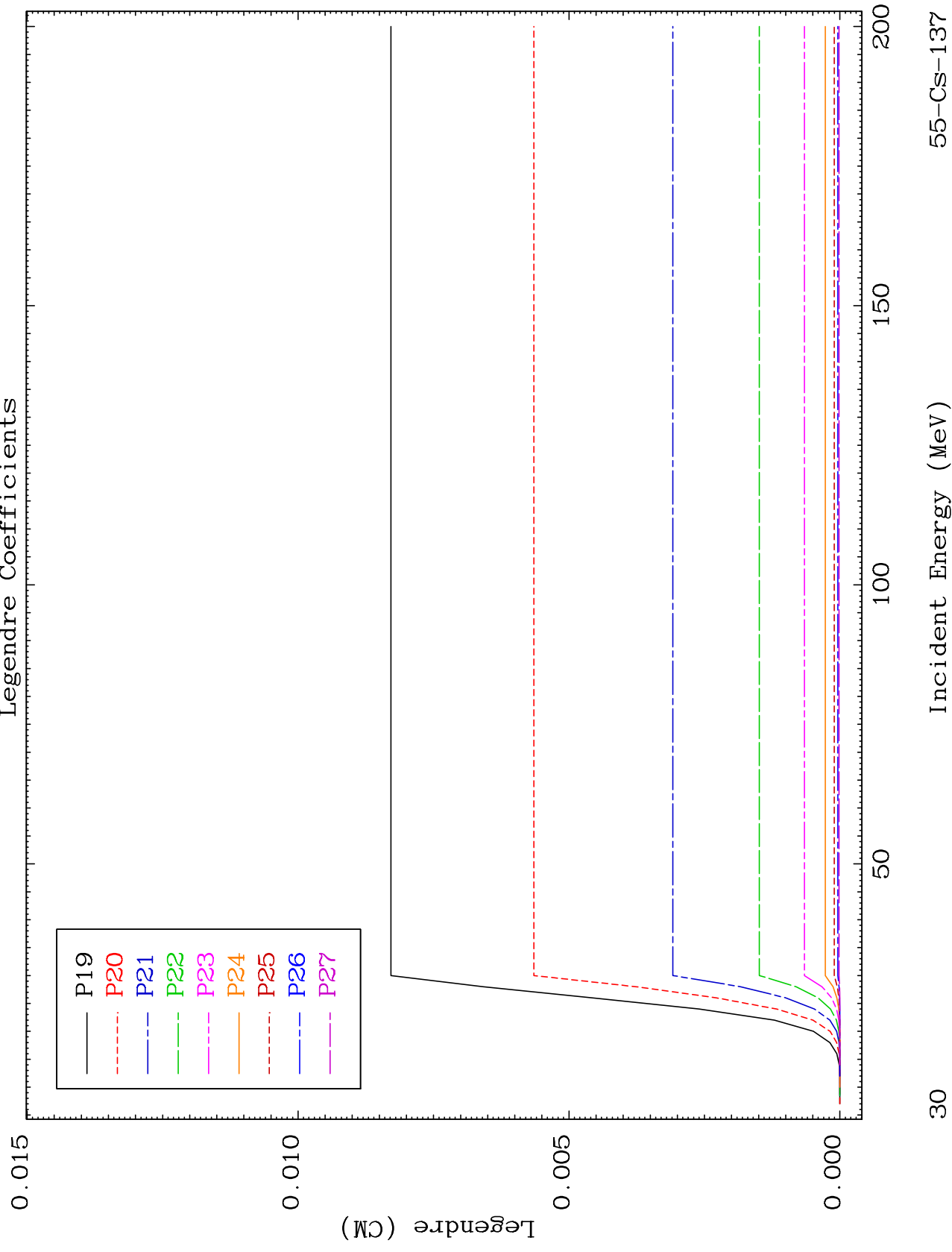
Incident Energy (MeV)

55-CS-137

MAT 5537

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

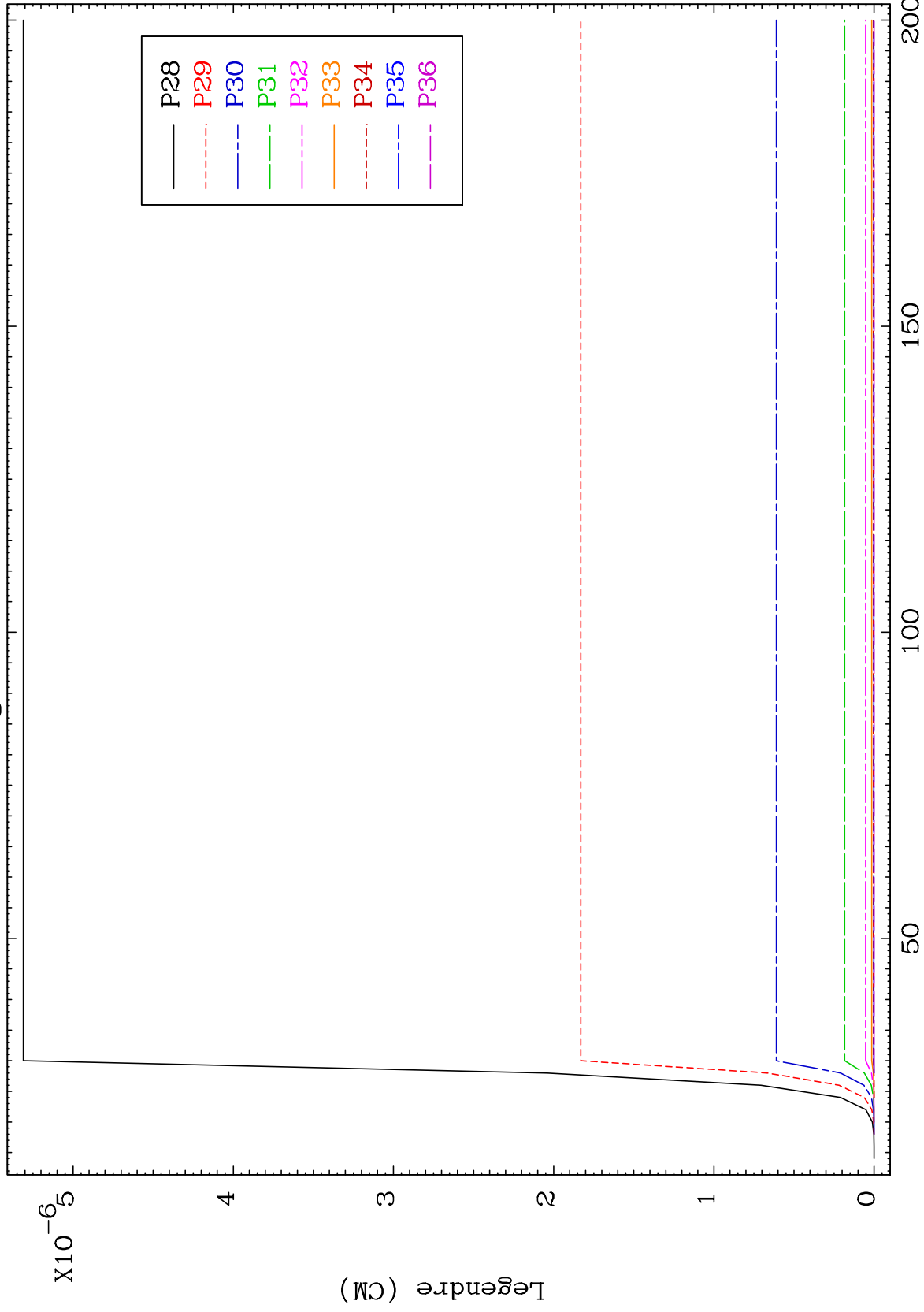
55-CS-137



MAT 5537

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

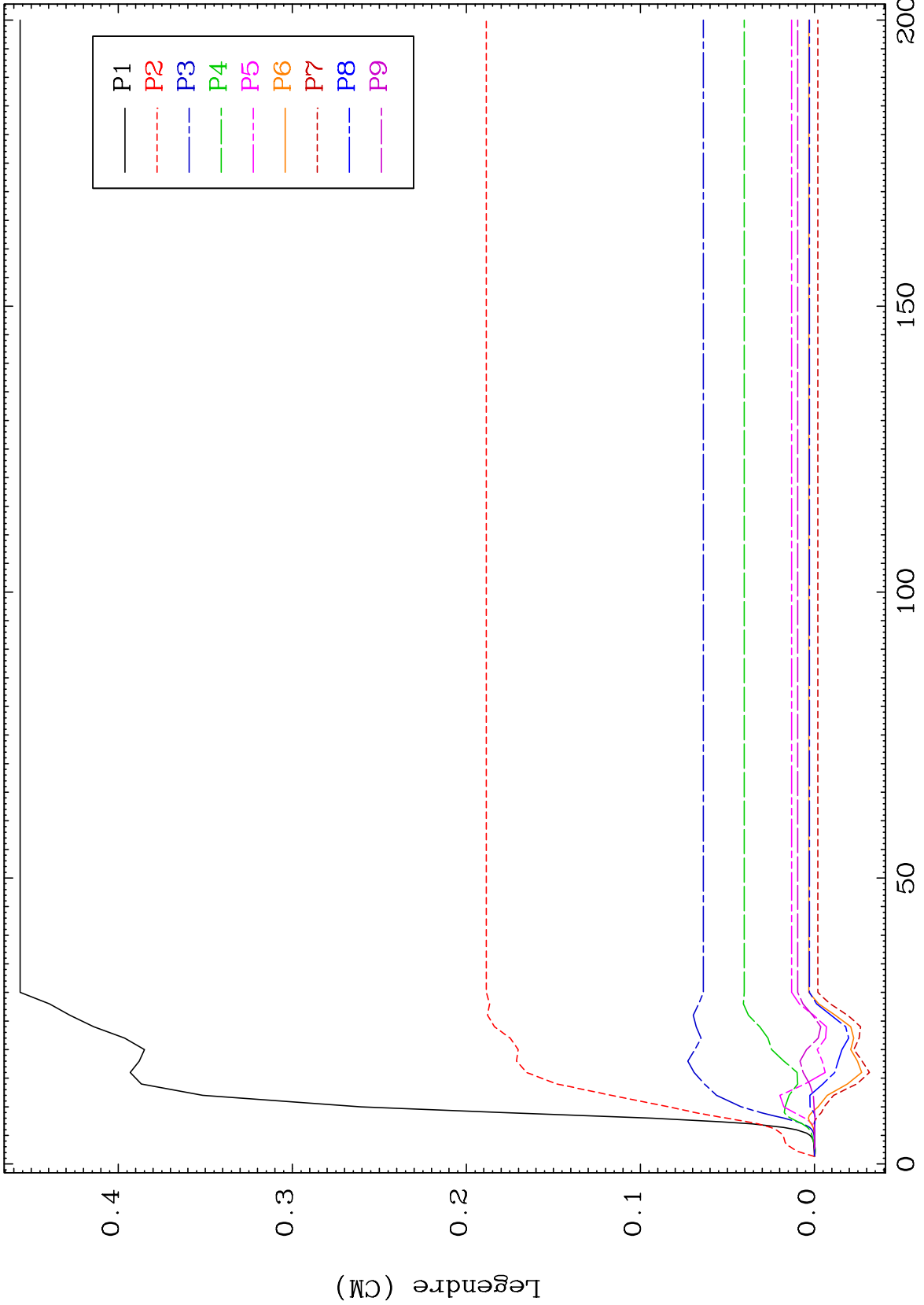
55-Cs-137



31

Incident Energy (MeV)

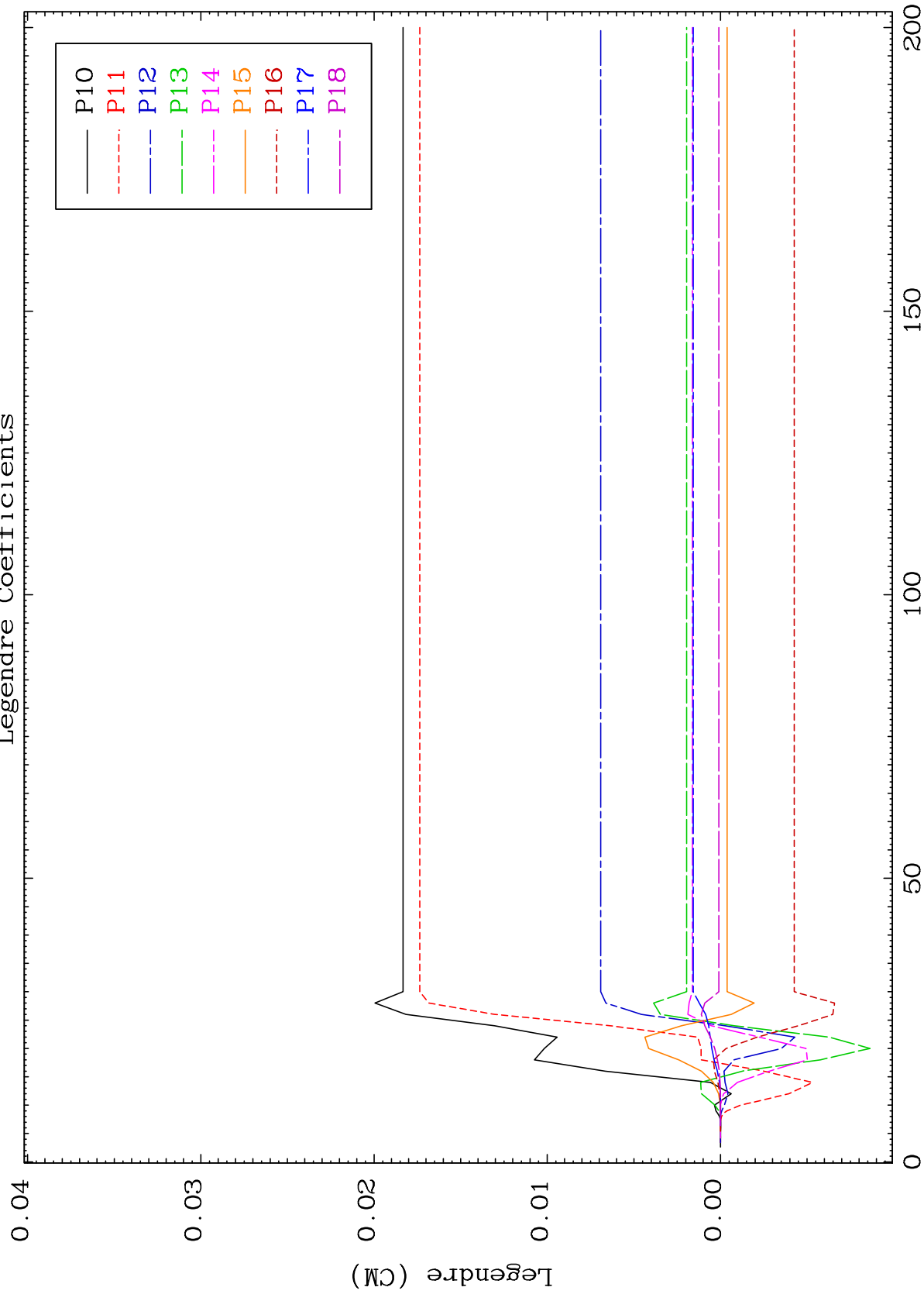
55-Cs-137



MAT 5537

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

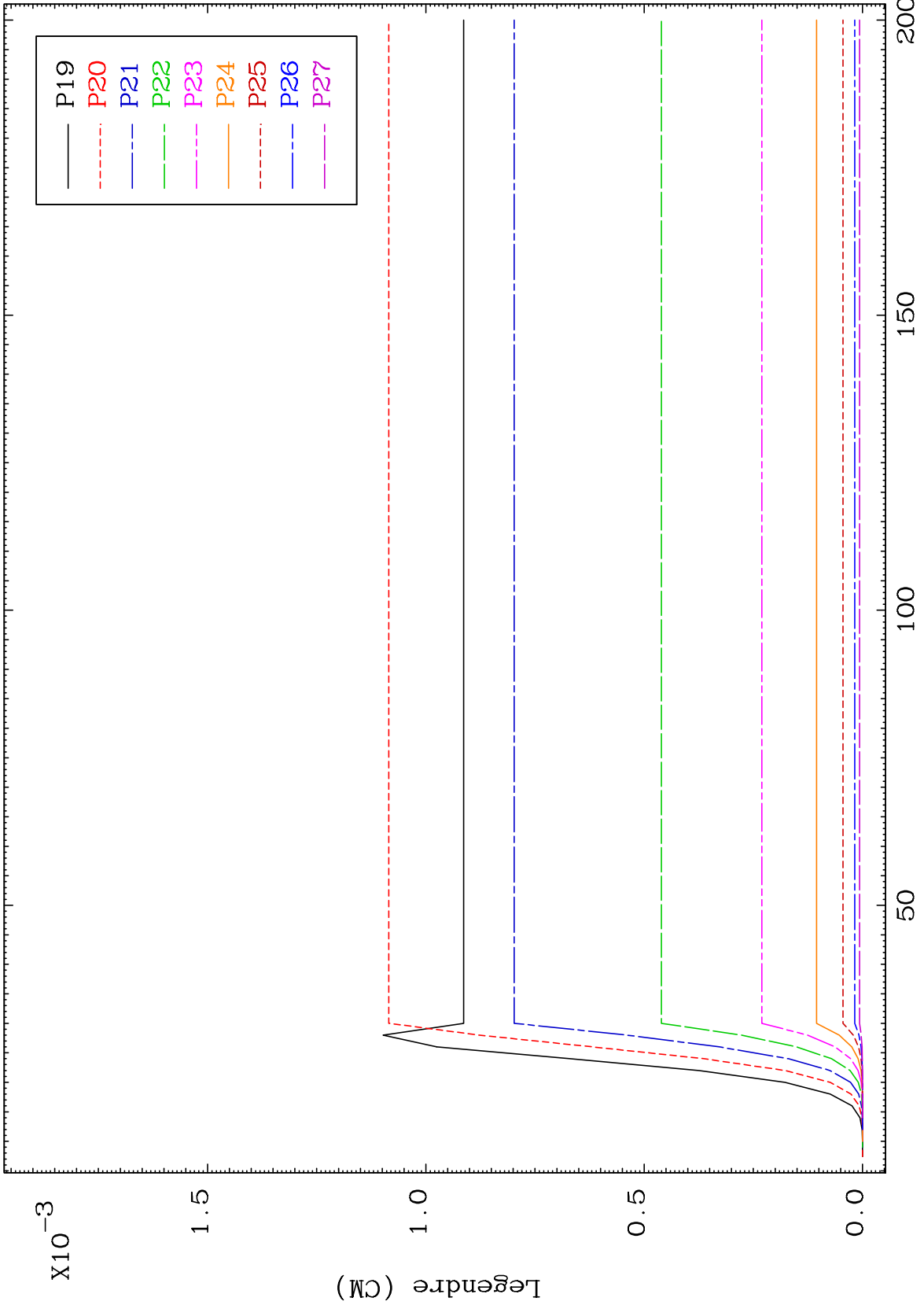
55-CS-137



33

Incident Energy (MeV)

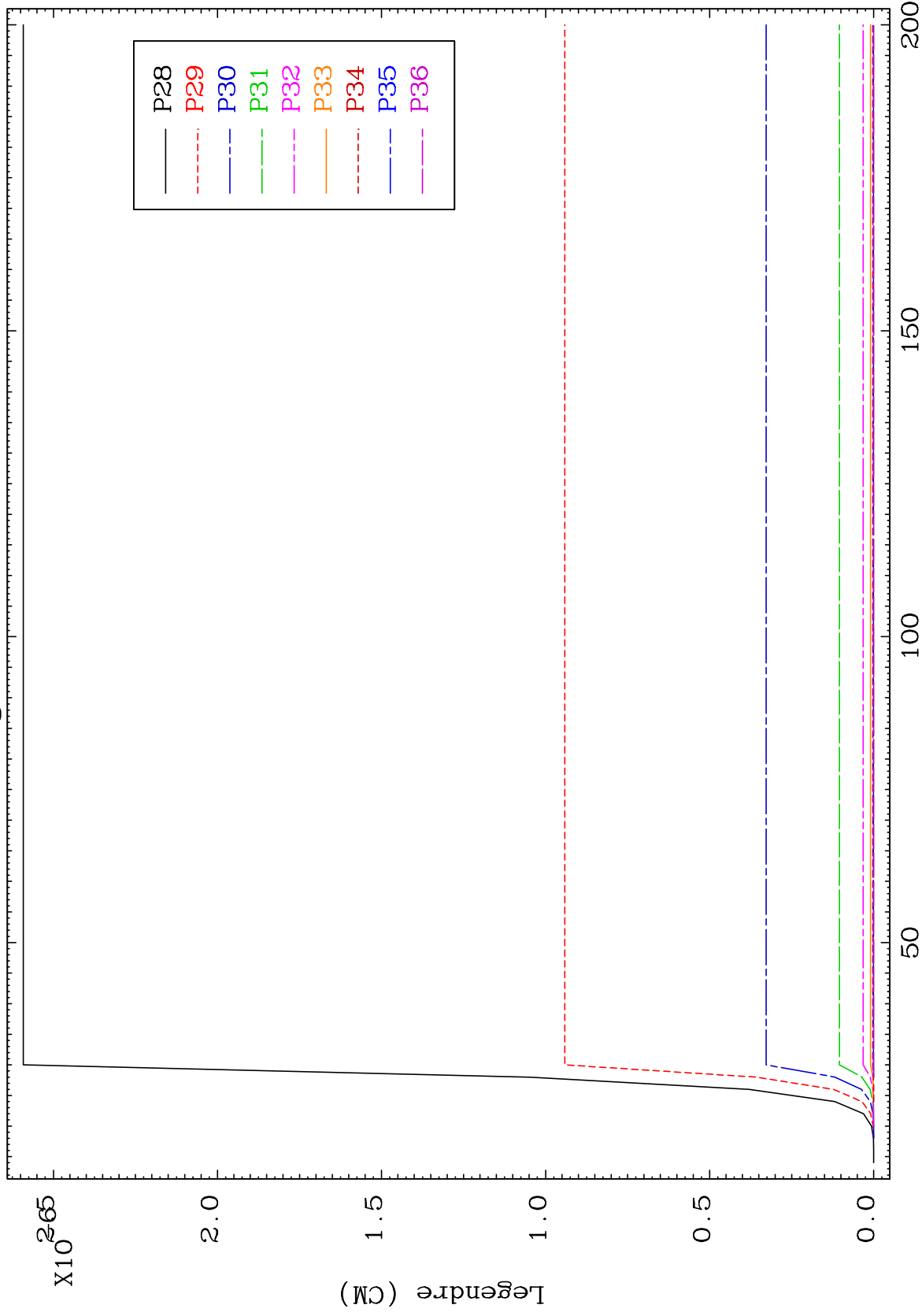
55-CS-137



MAT 5537

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

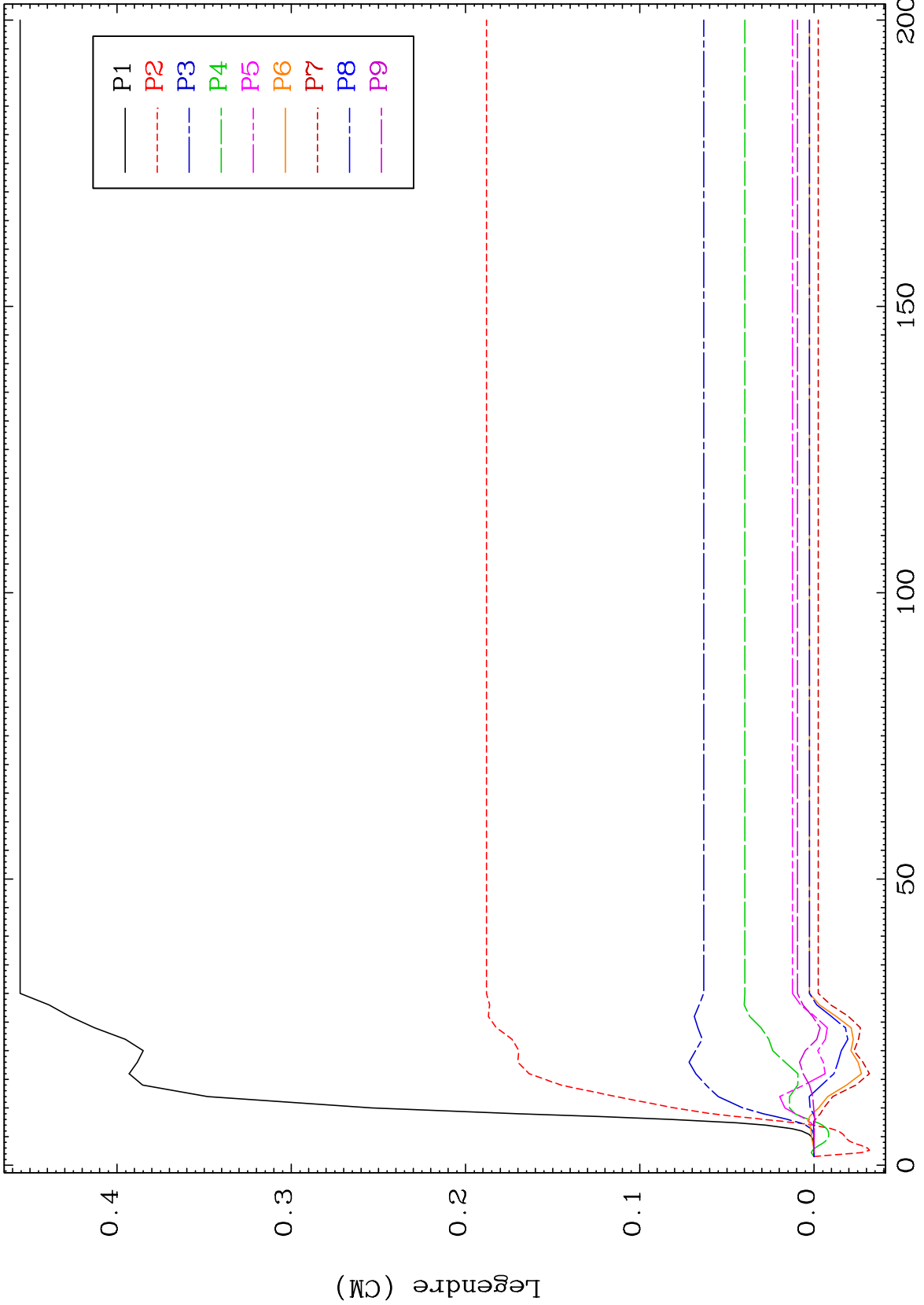
55-Cs-137

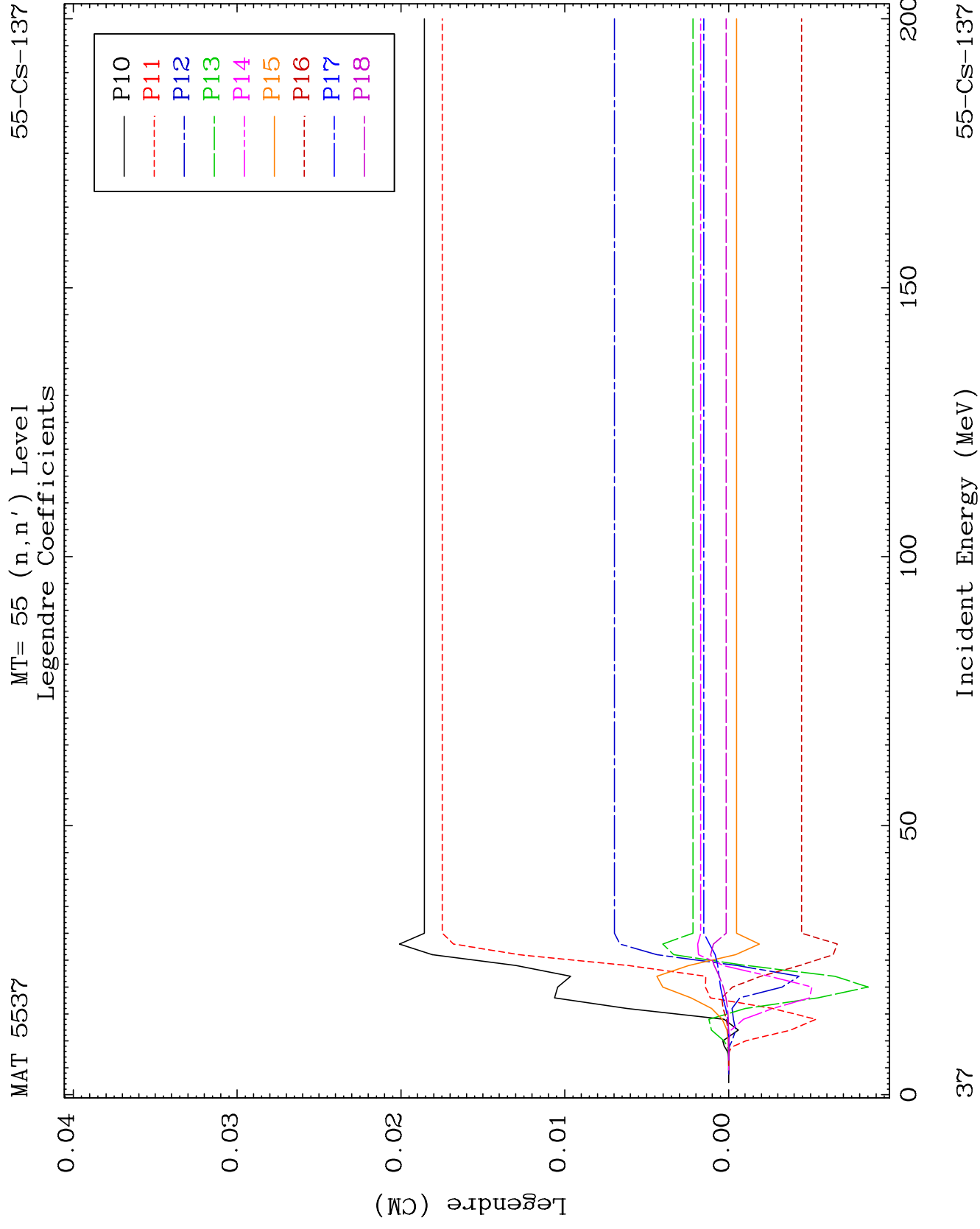


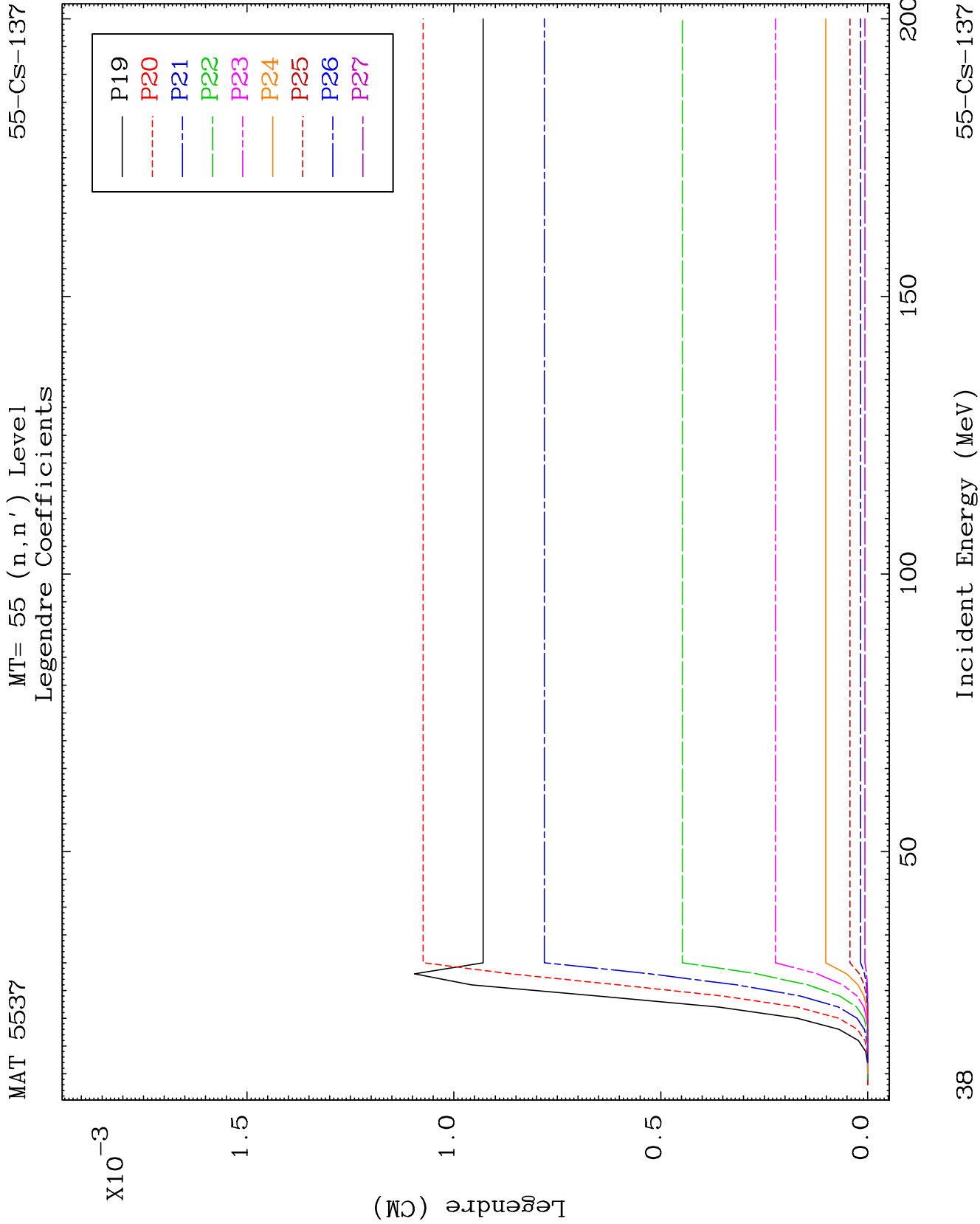
35

Incident Energy (MeV)

55-Cs-137



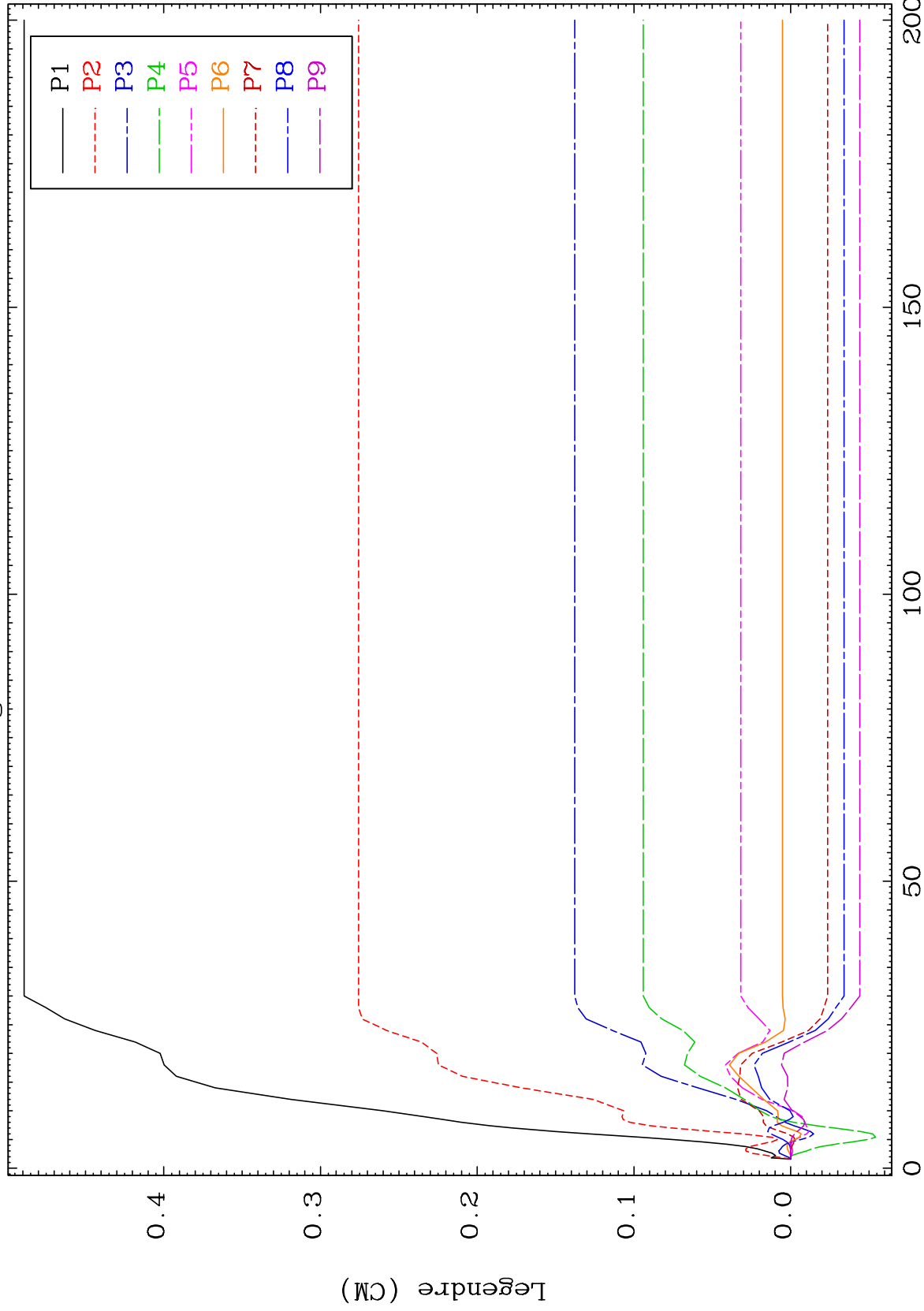




MAT 5537

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

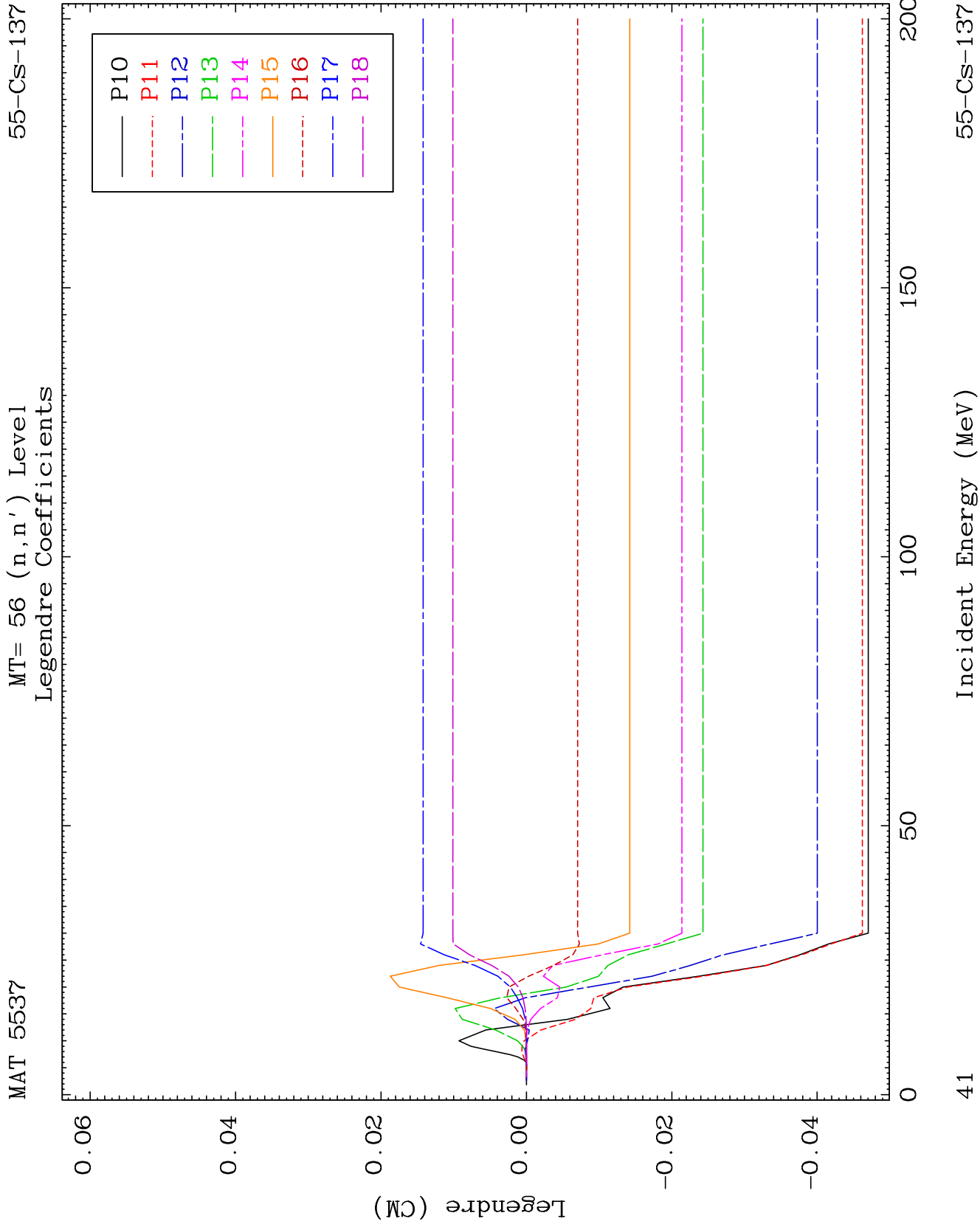
55-Cs-137



40

Incident Energy (MeV)

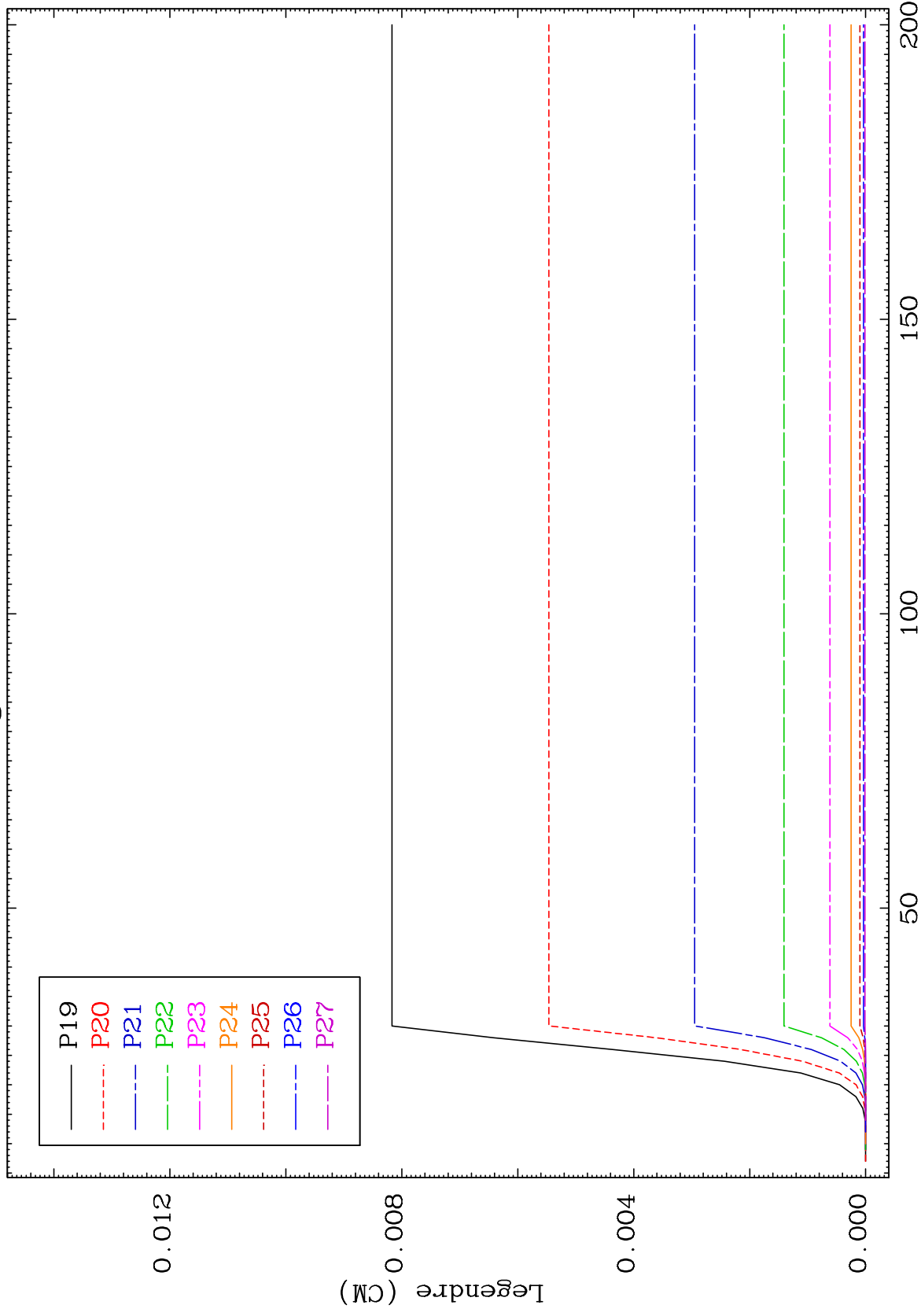
55-Cs-137



MAT 5537

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

55-Cs-137



42

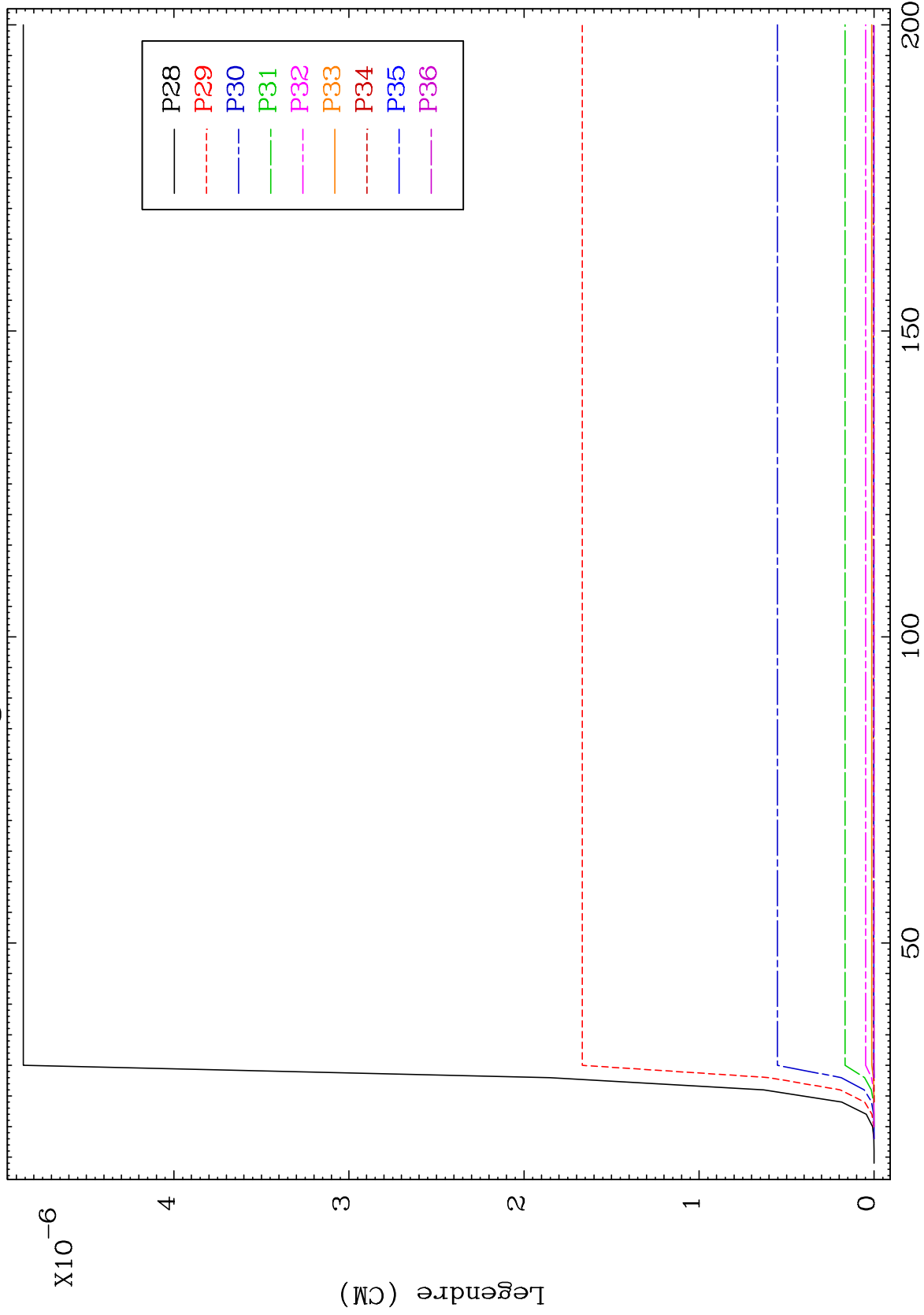
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



43

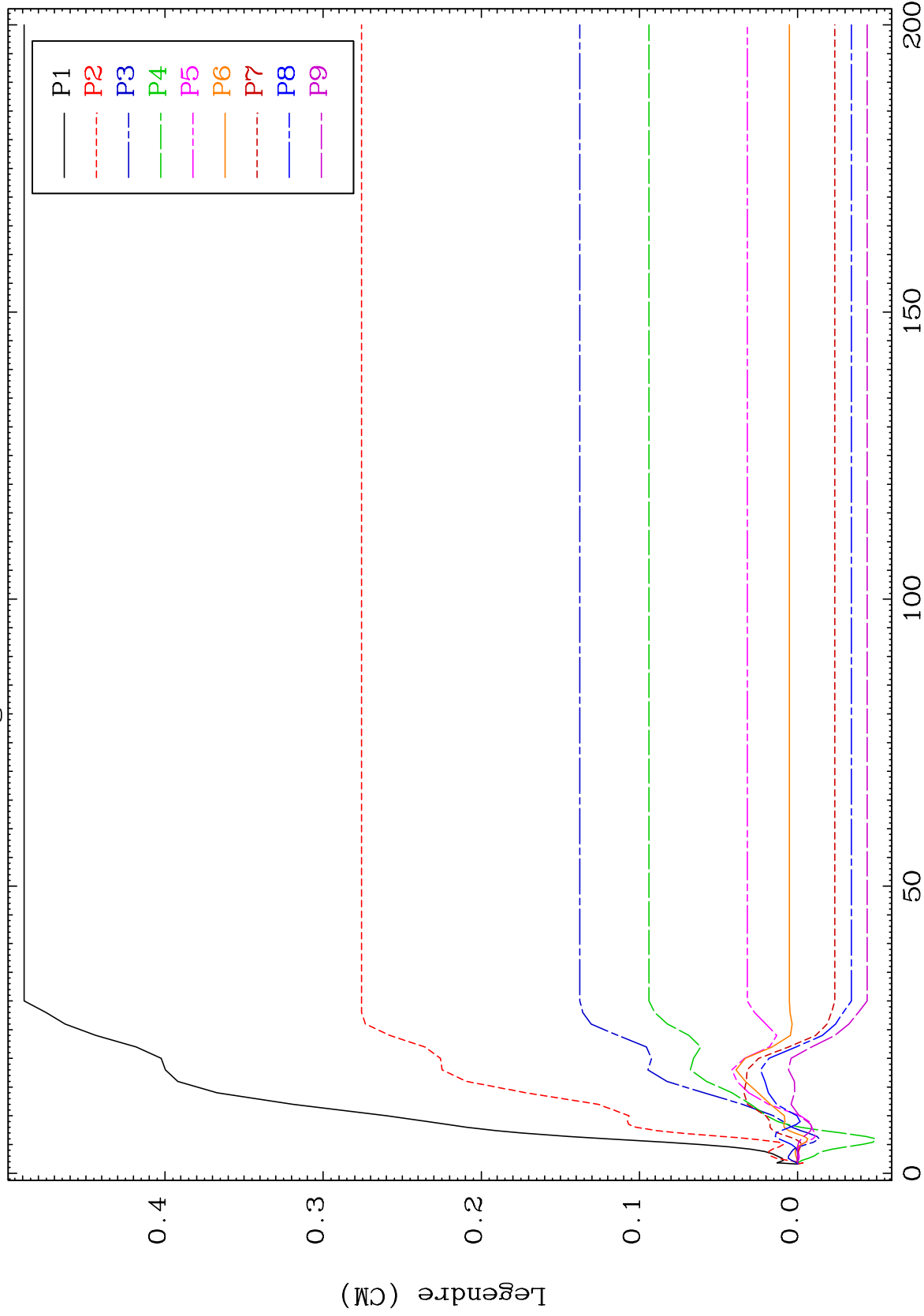
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



44

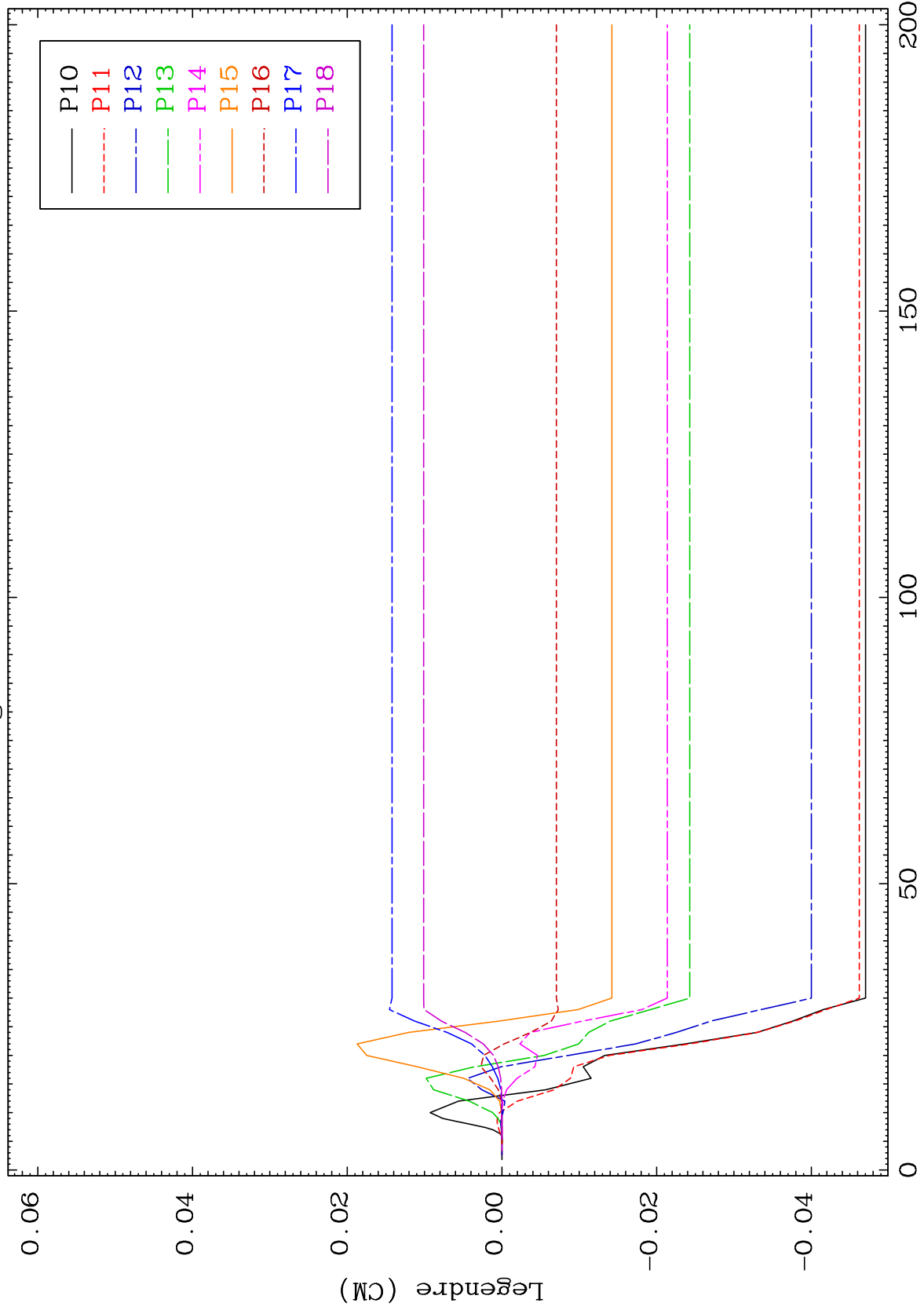
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

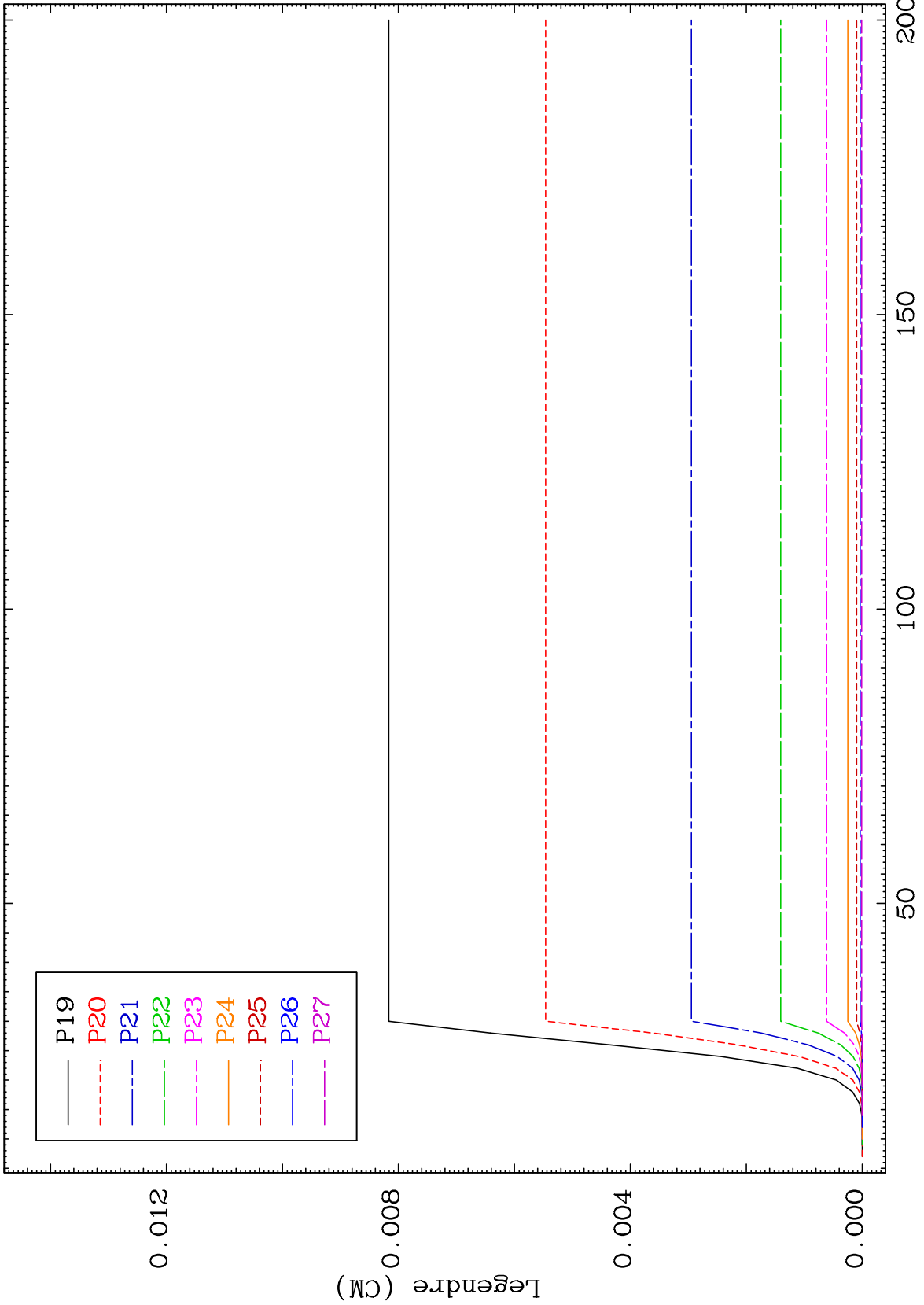
55-CS-137



45

Incident Energy (MeV)

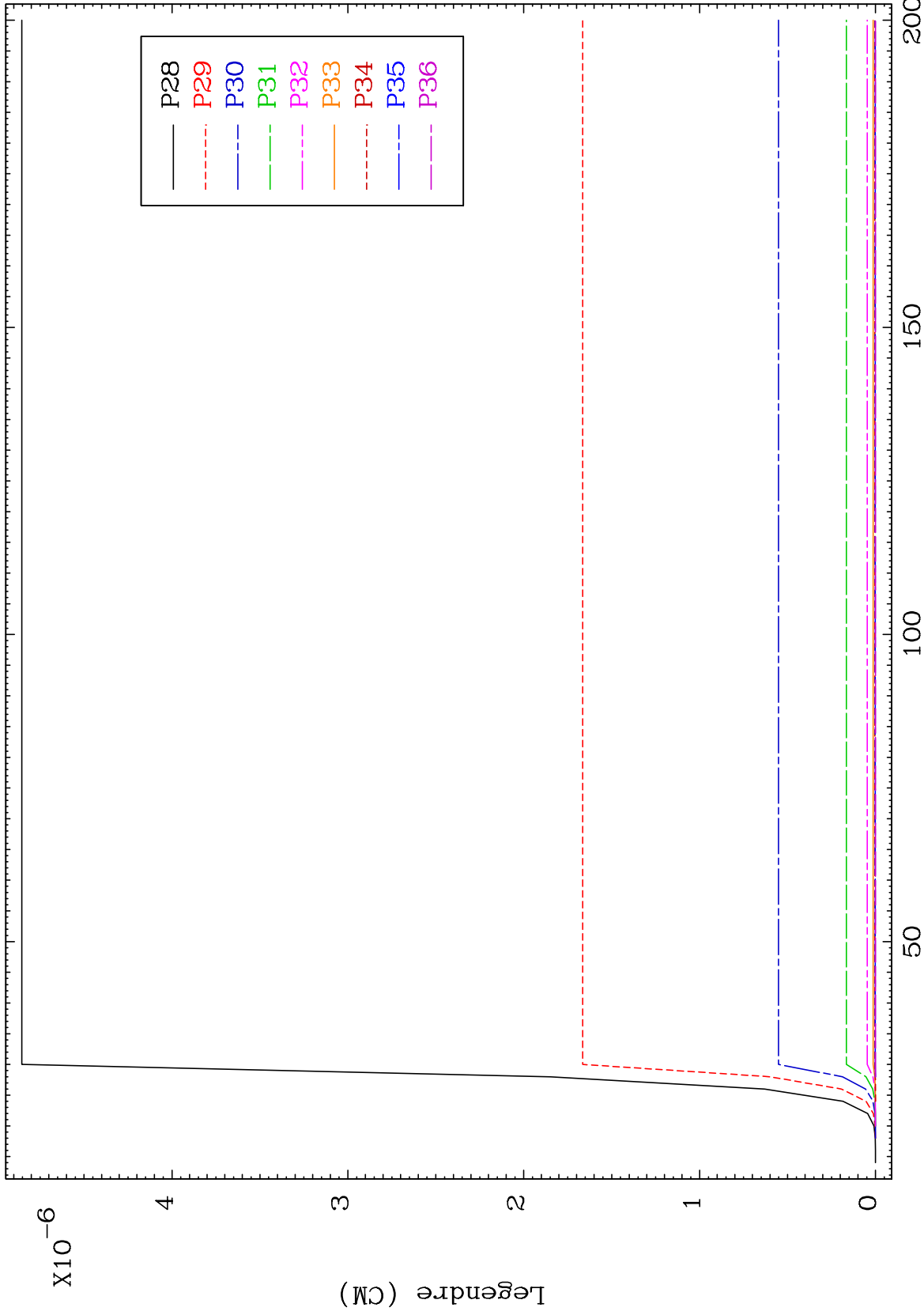
55-CS-137



MAT 5537

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

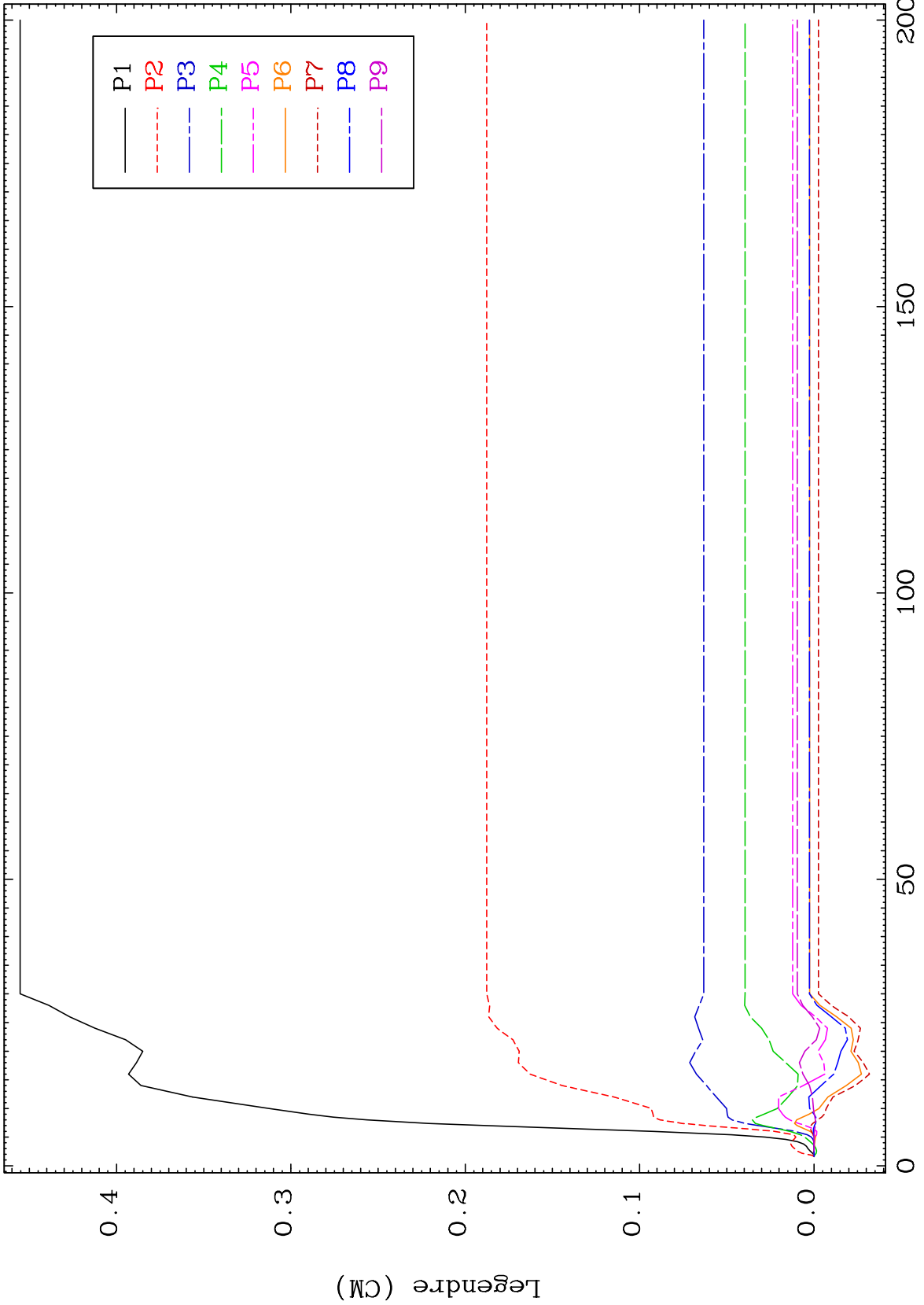
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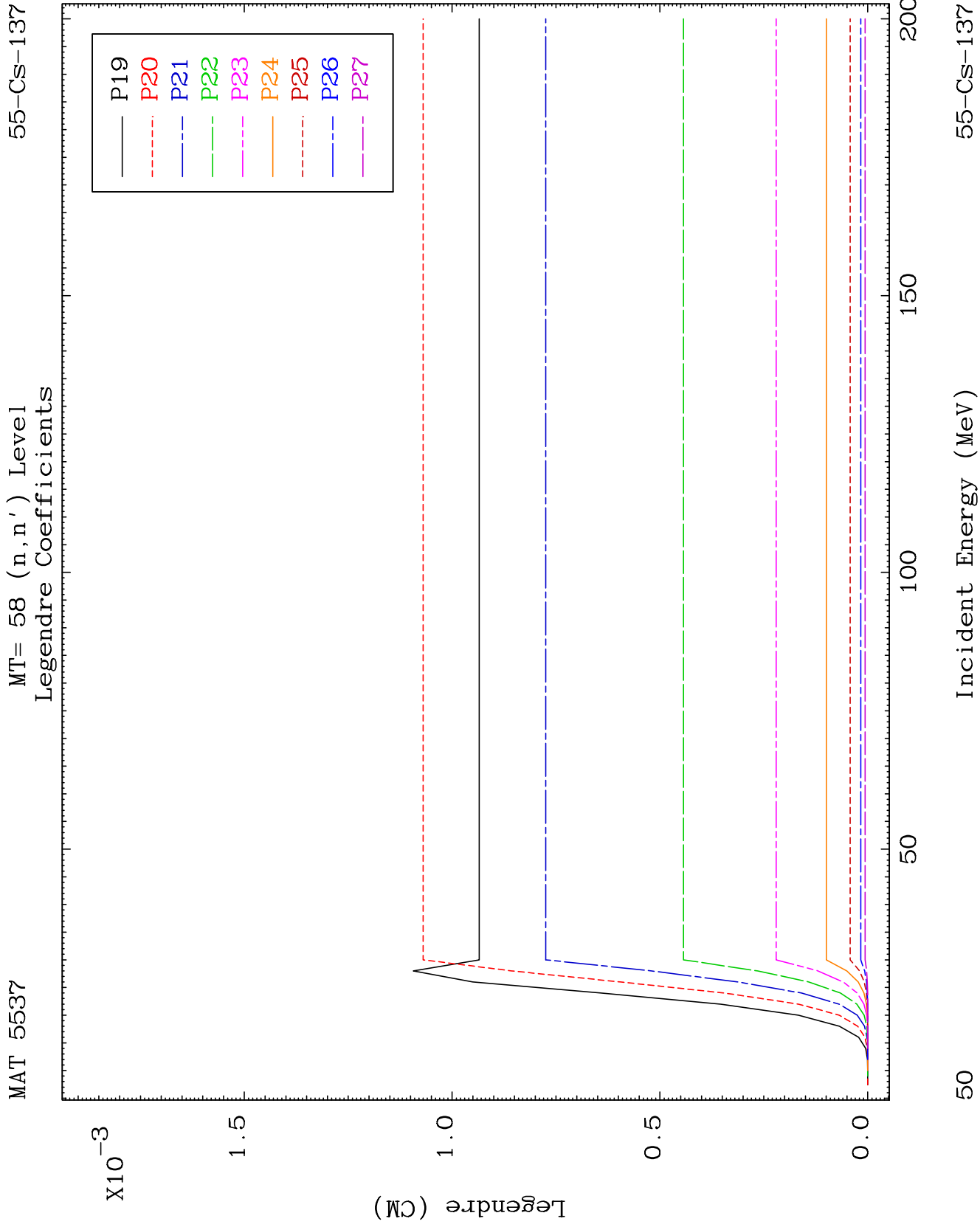


47

Incident Energy (MeV)

55-Cs-137

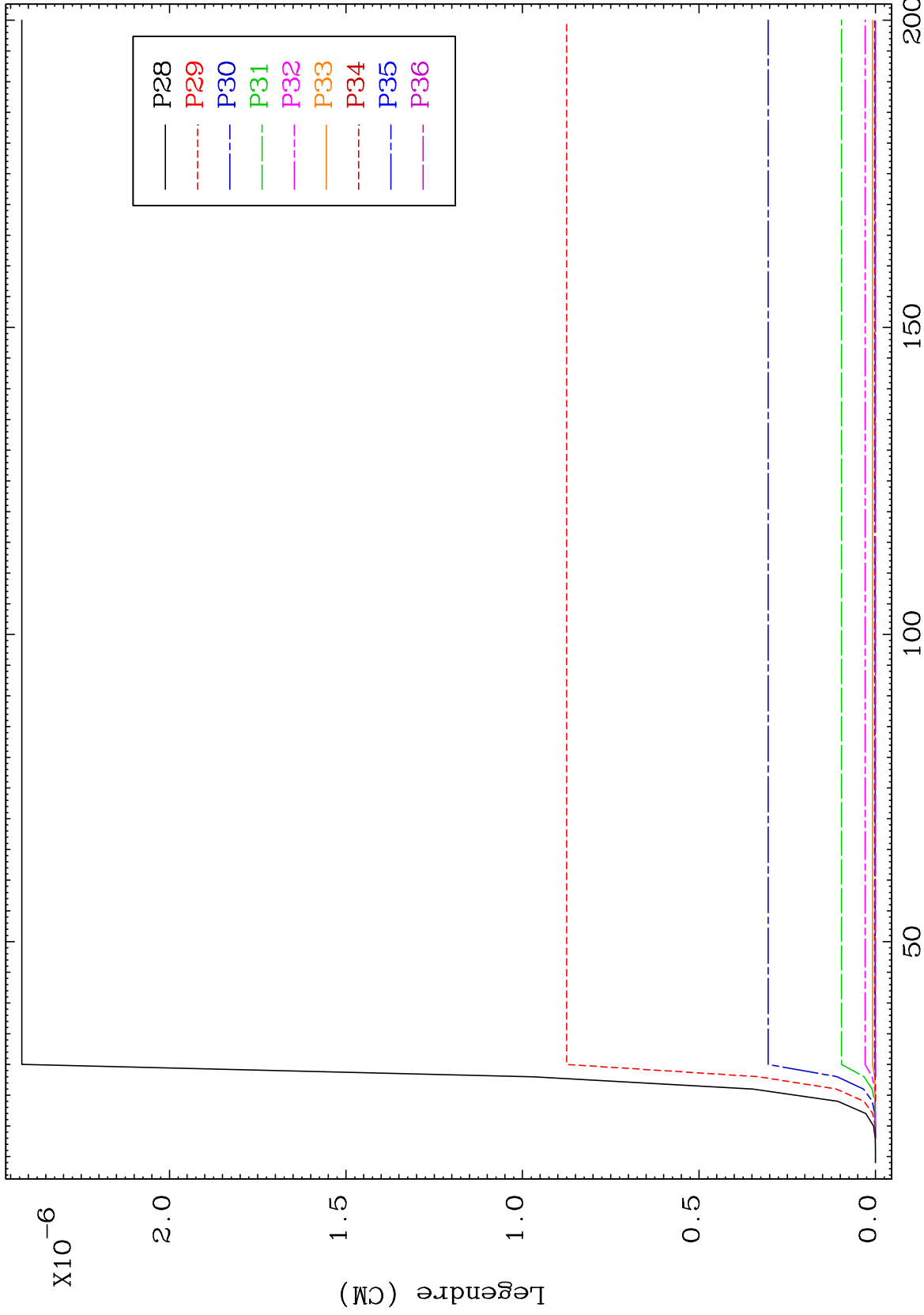




MAT 5537

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

55-Cs-137



51

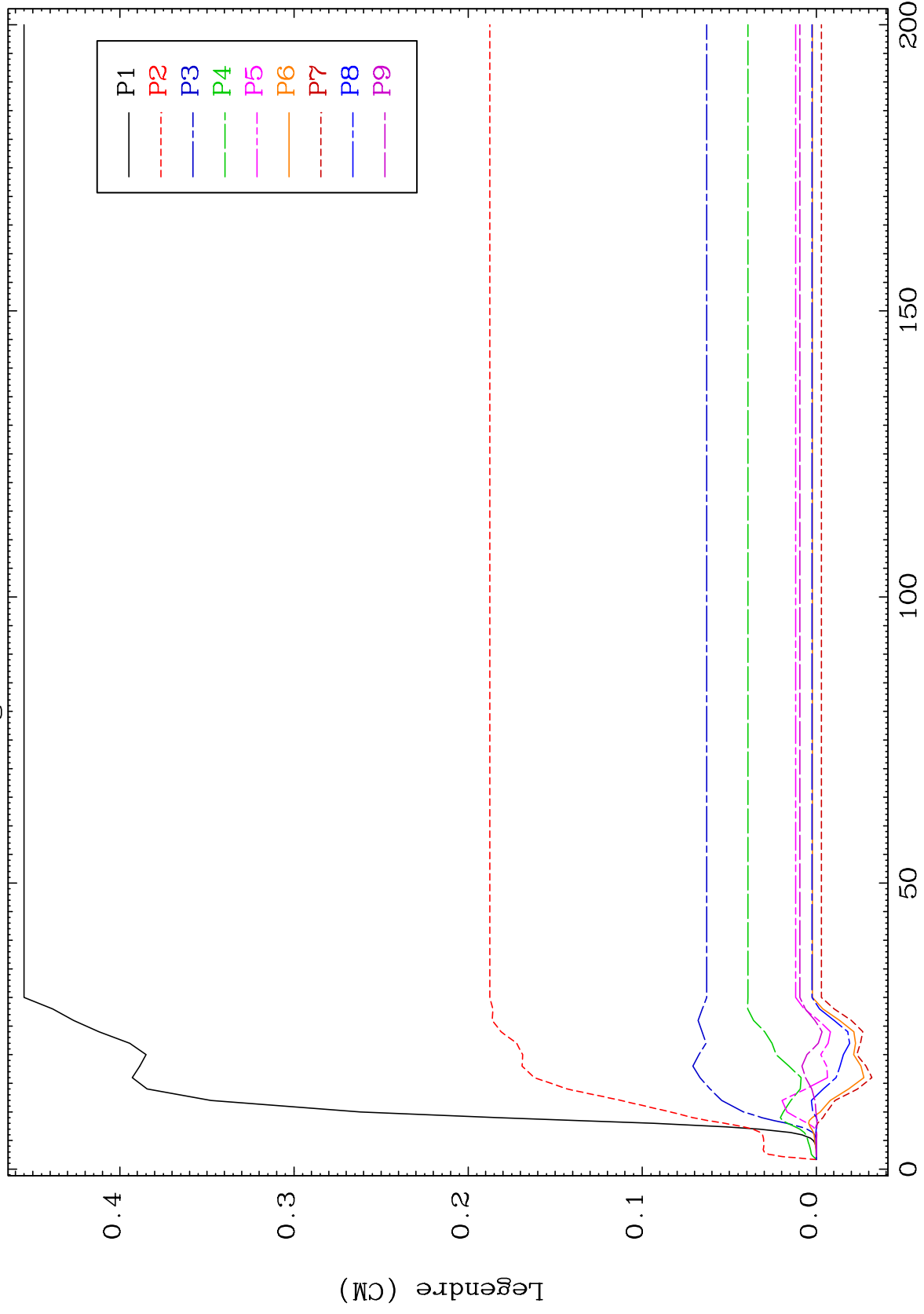
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

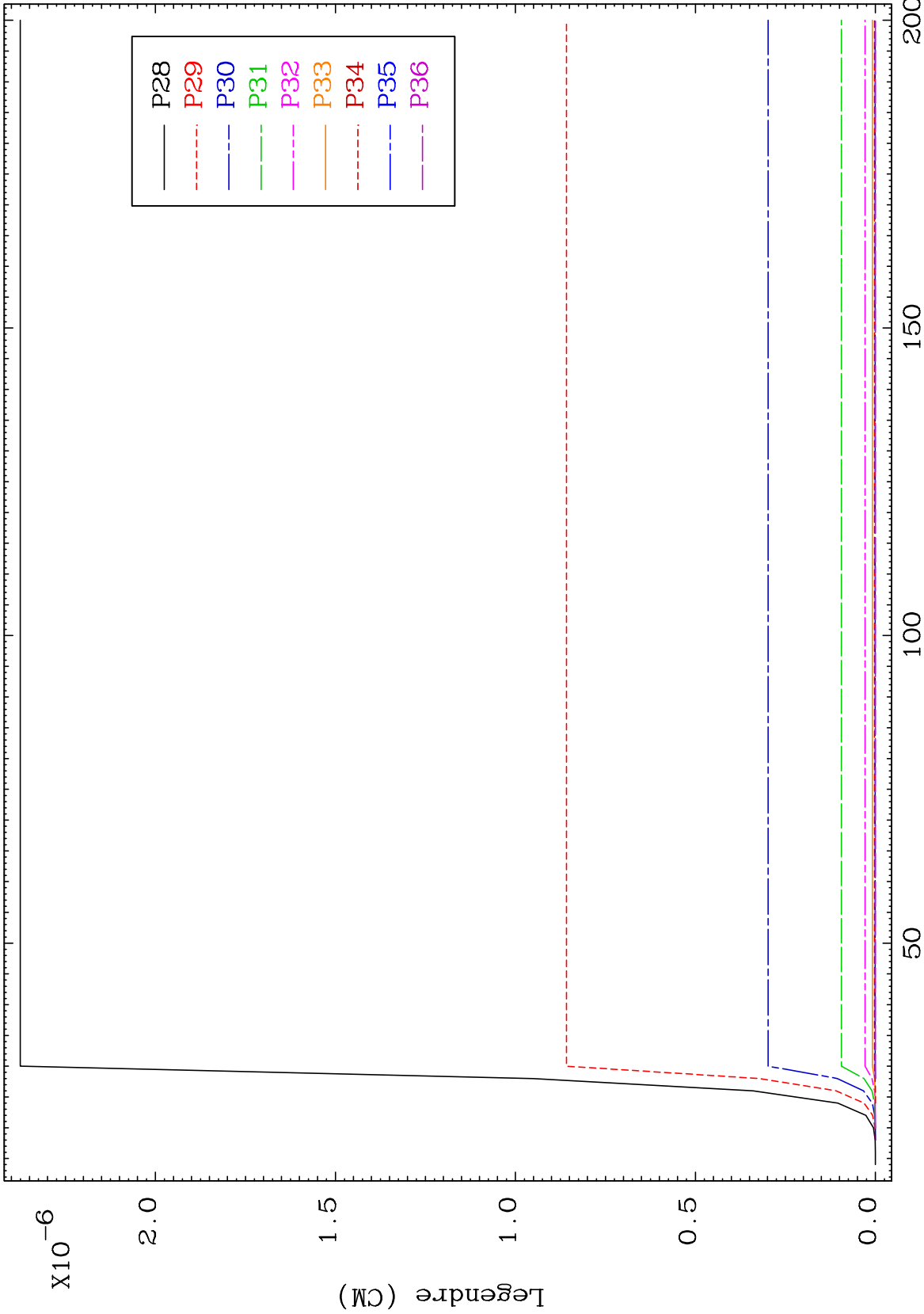
55-CS-137

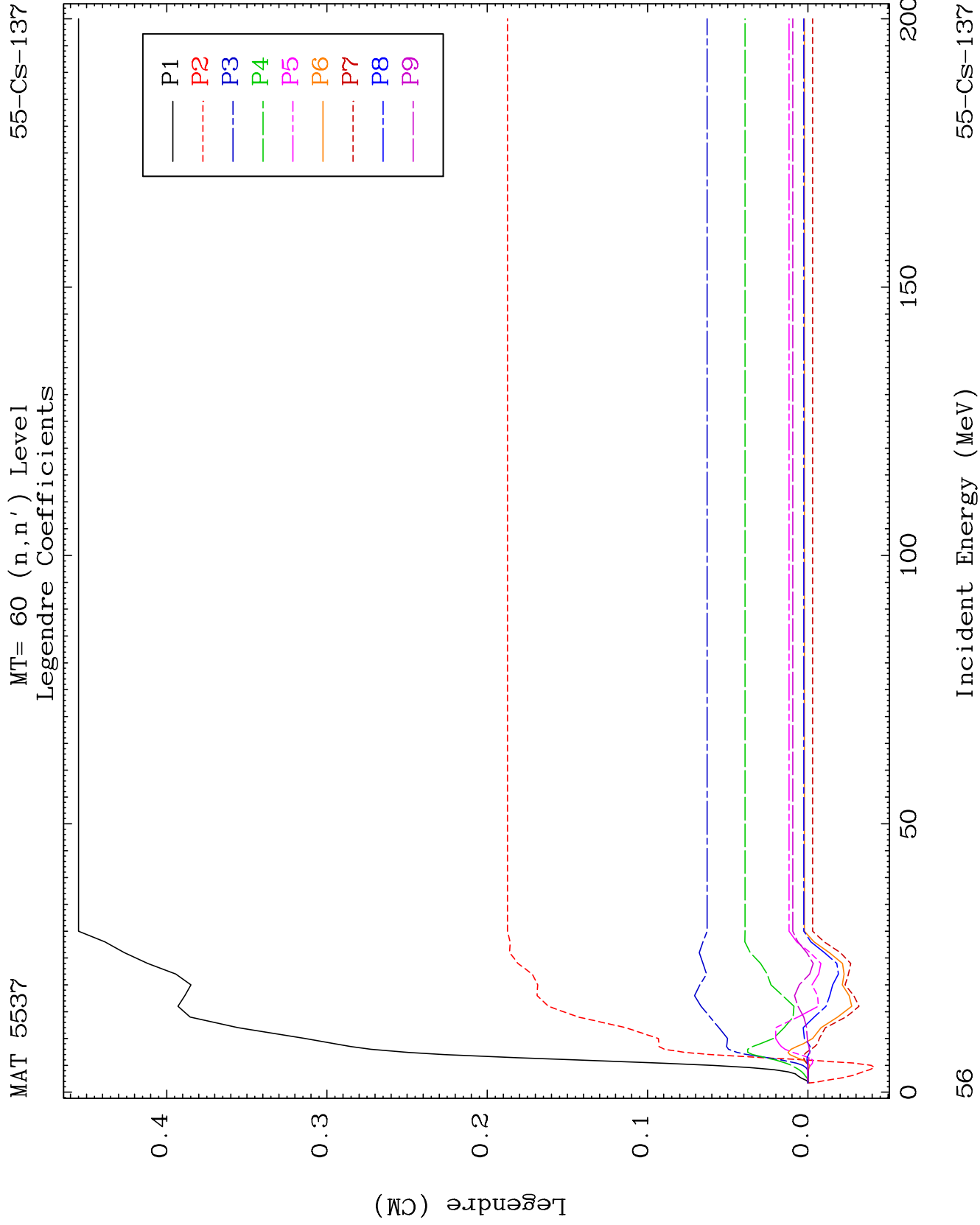


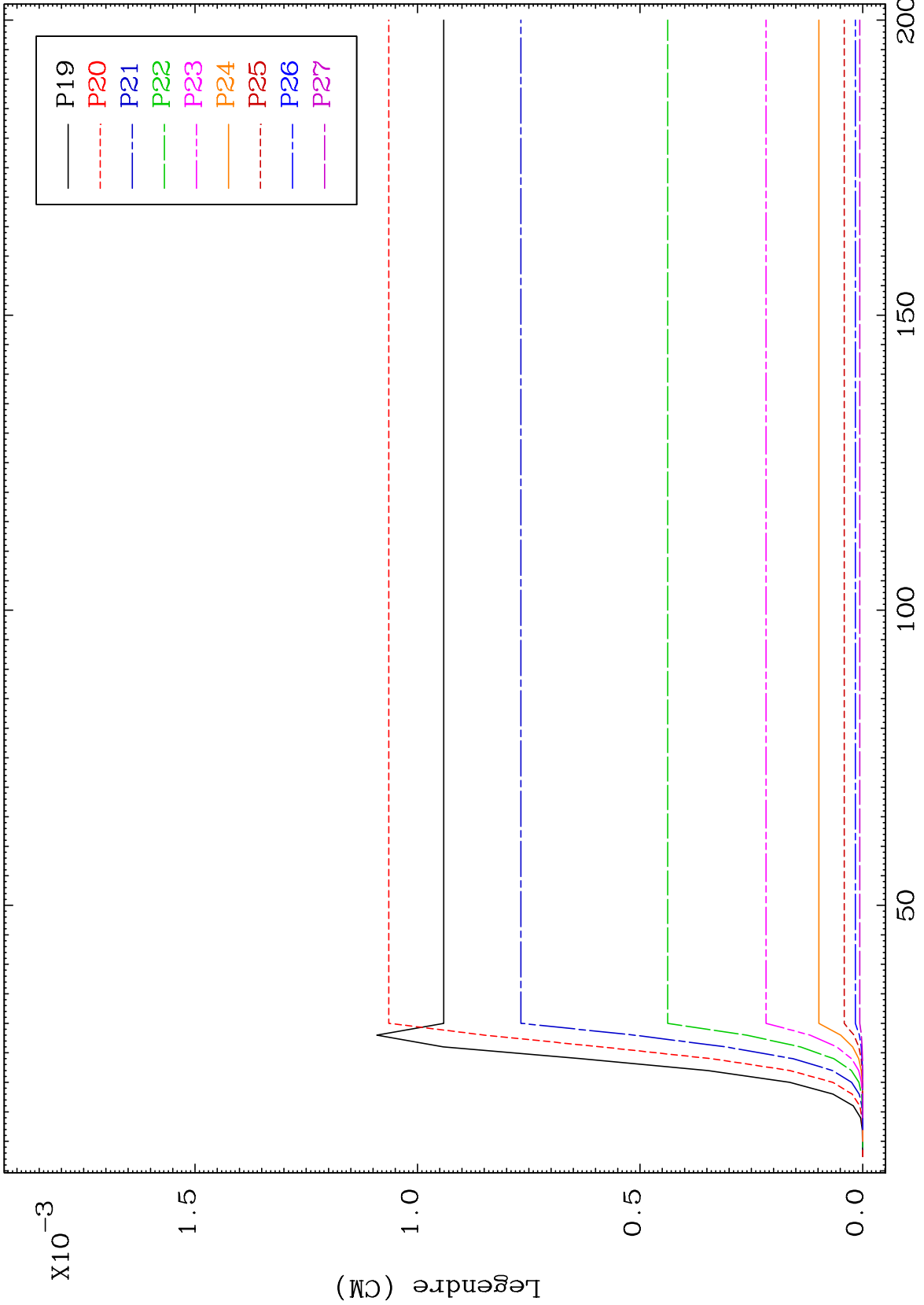
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Incident Energy (MeV)

55-CS-137



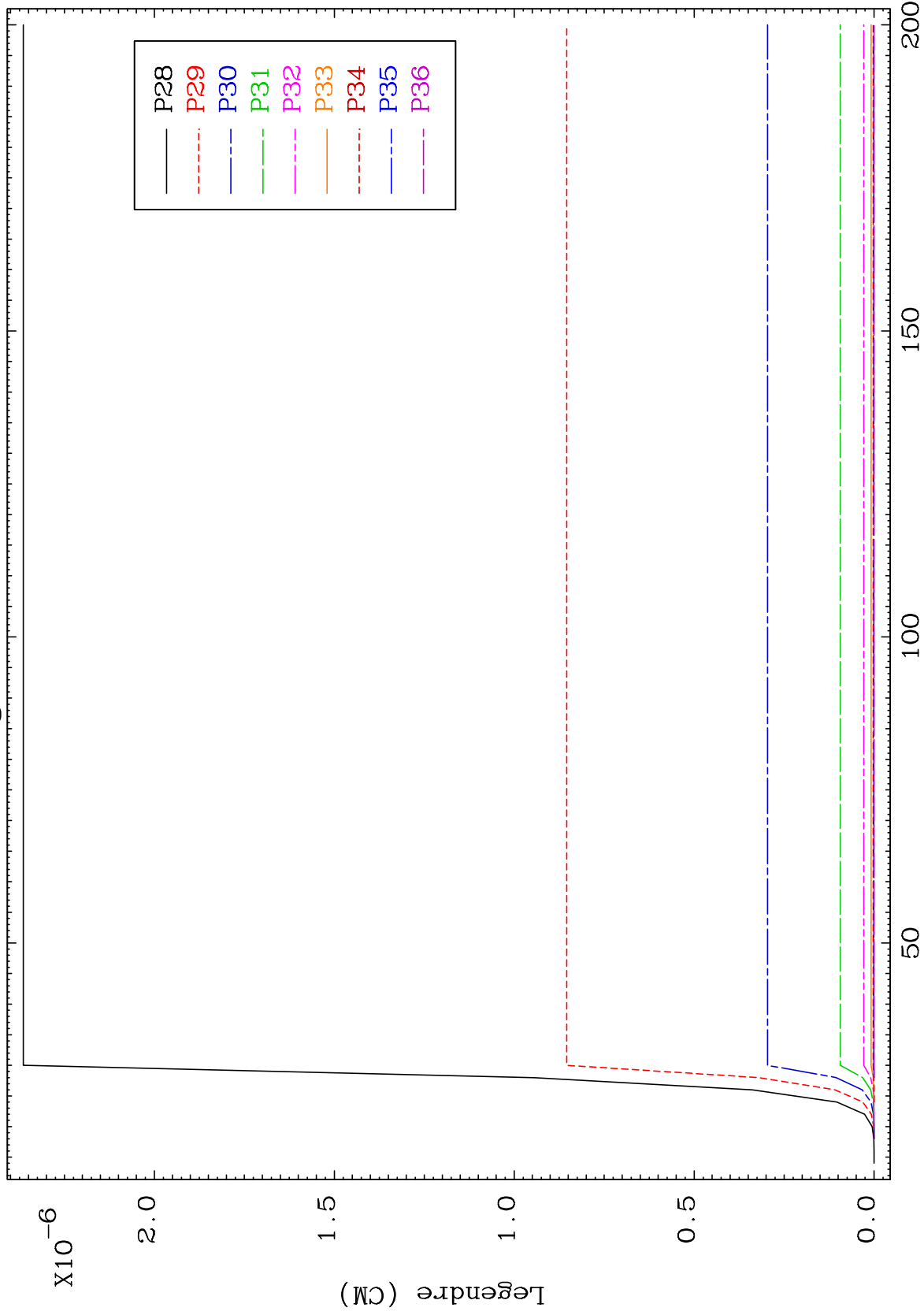




MAT 5537

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

55-Cs-137



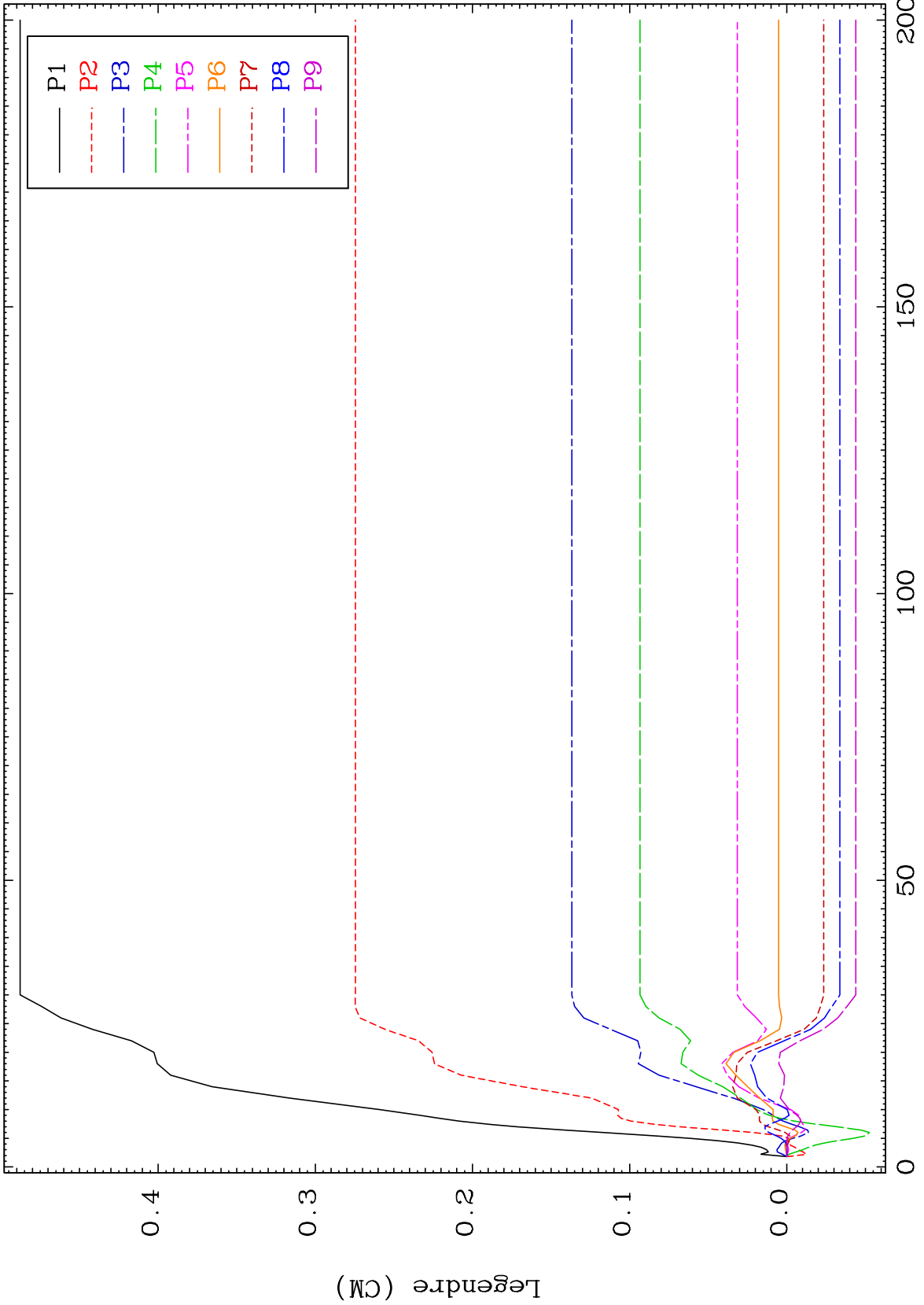
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Incident Energy (MeV)

55-Cs-137

MAT 5537 MT= 61 (n,n') Level 55-Cs-137

Legendre Coefficients

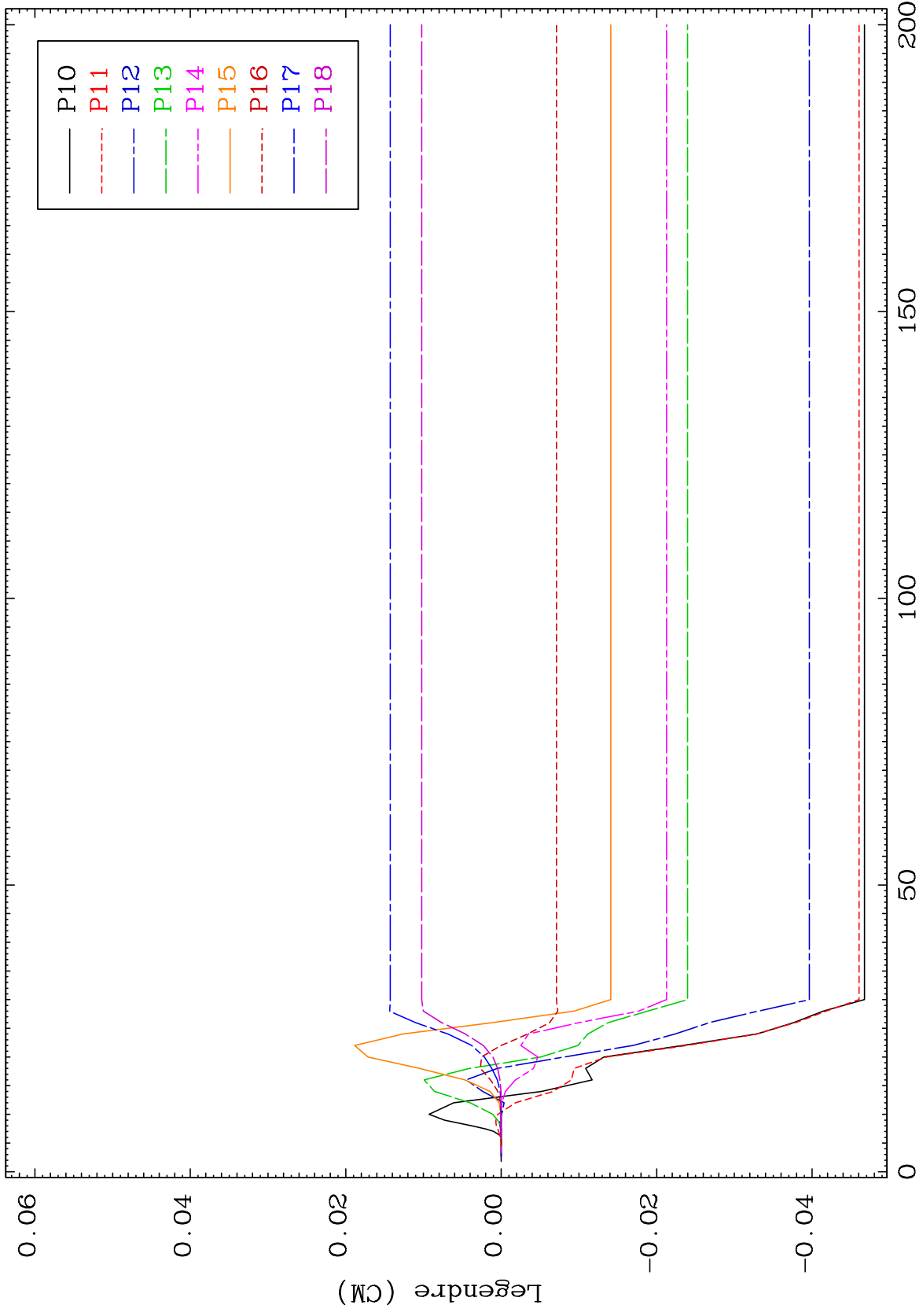


Incident Energy (MeV) 55-Cs-137

MAT 5537

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

55-CS-137



61

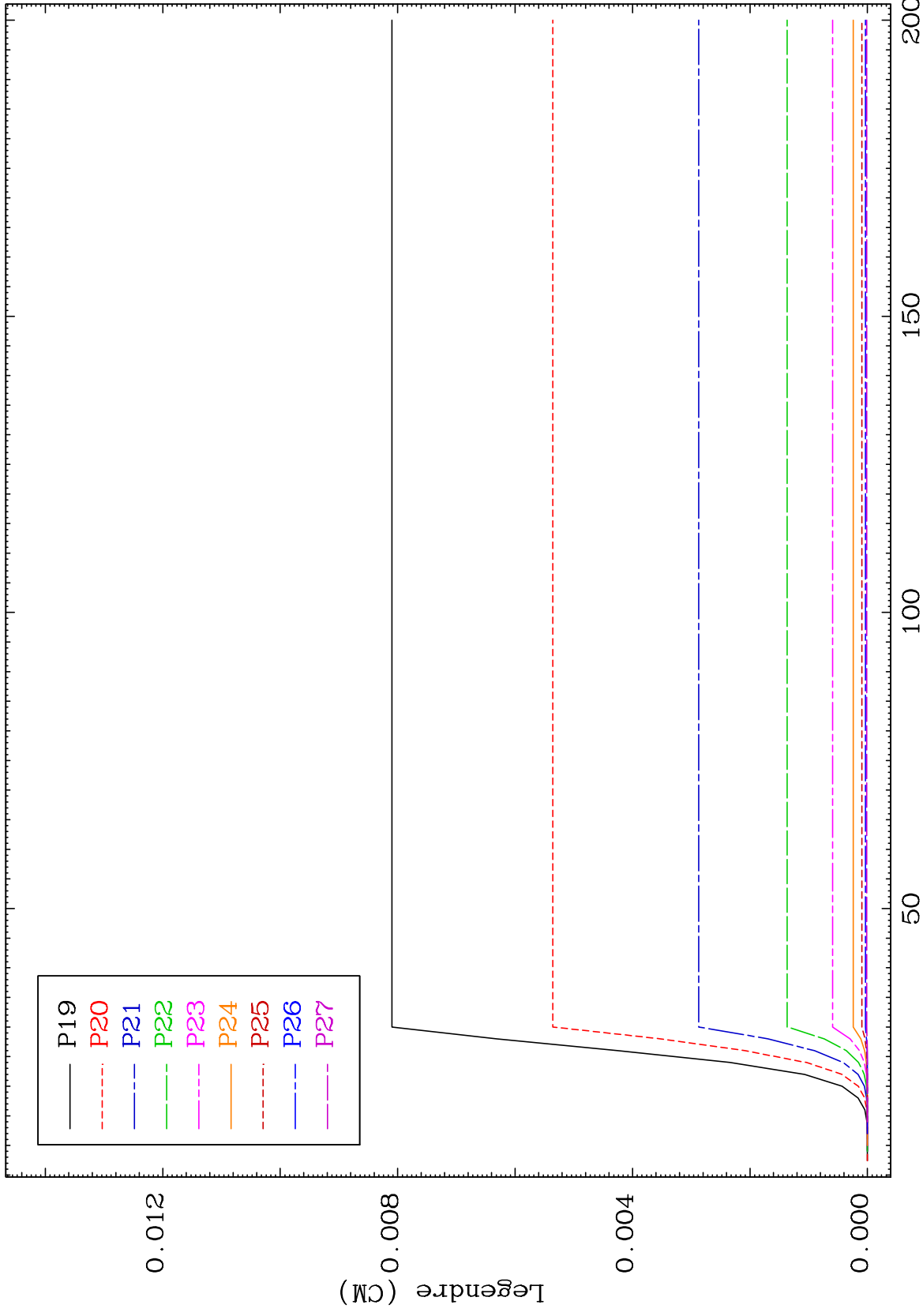
Incident Energy (MeV)

55-CS-137

MAT 5537

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

55-Cs-137



62

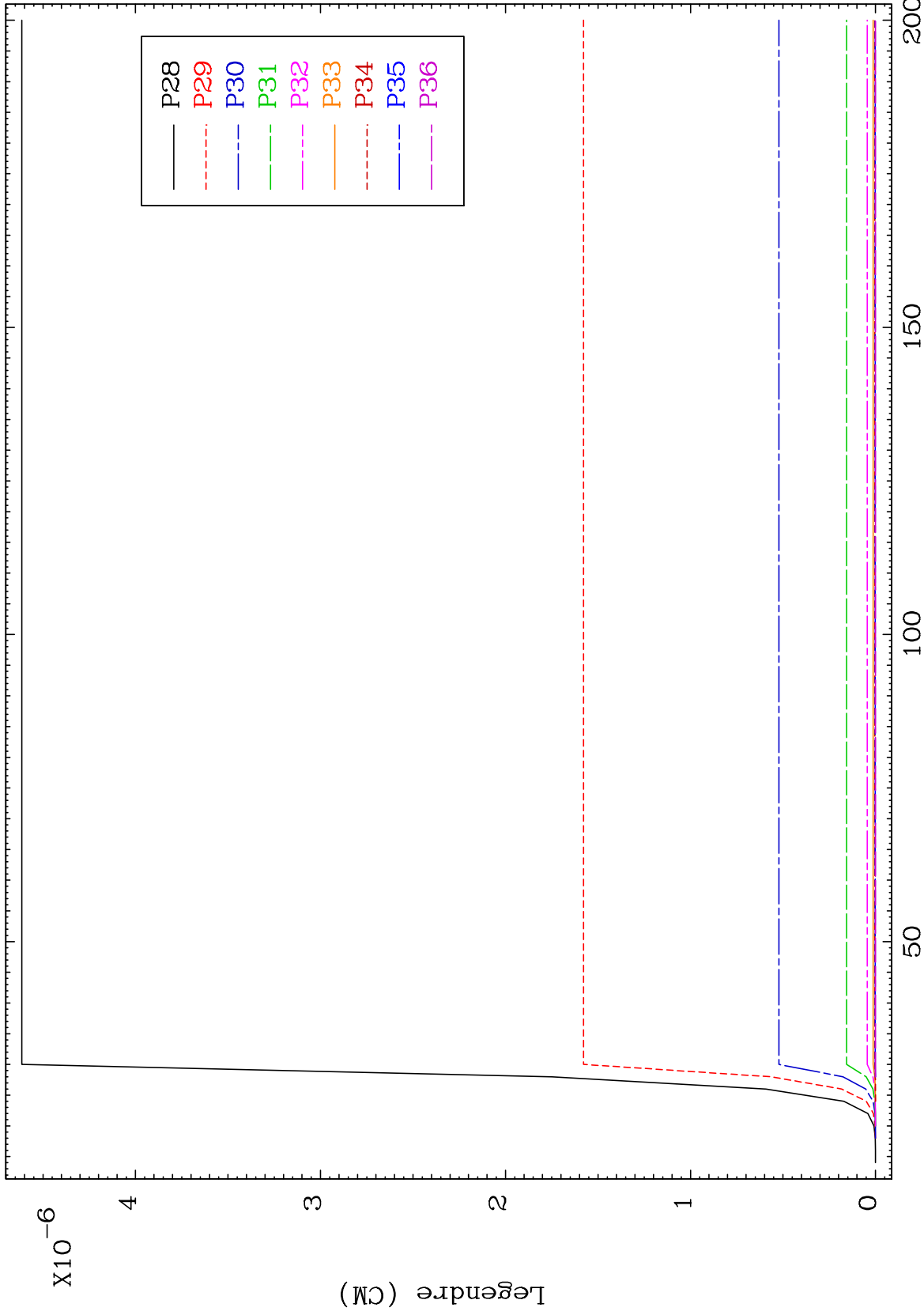
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137

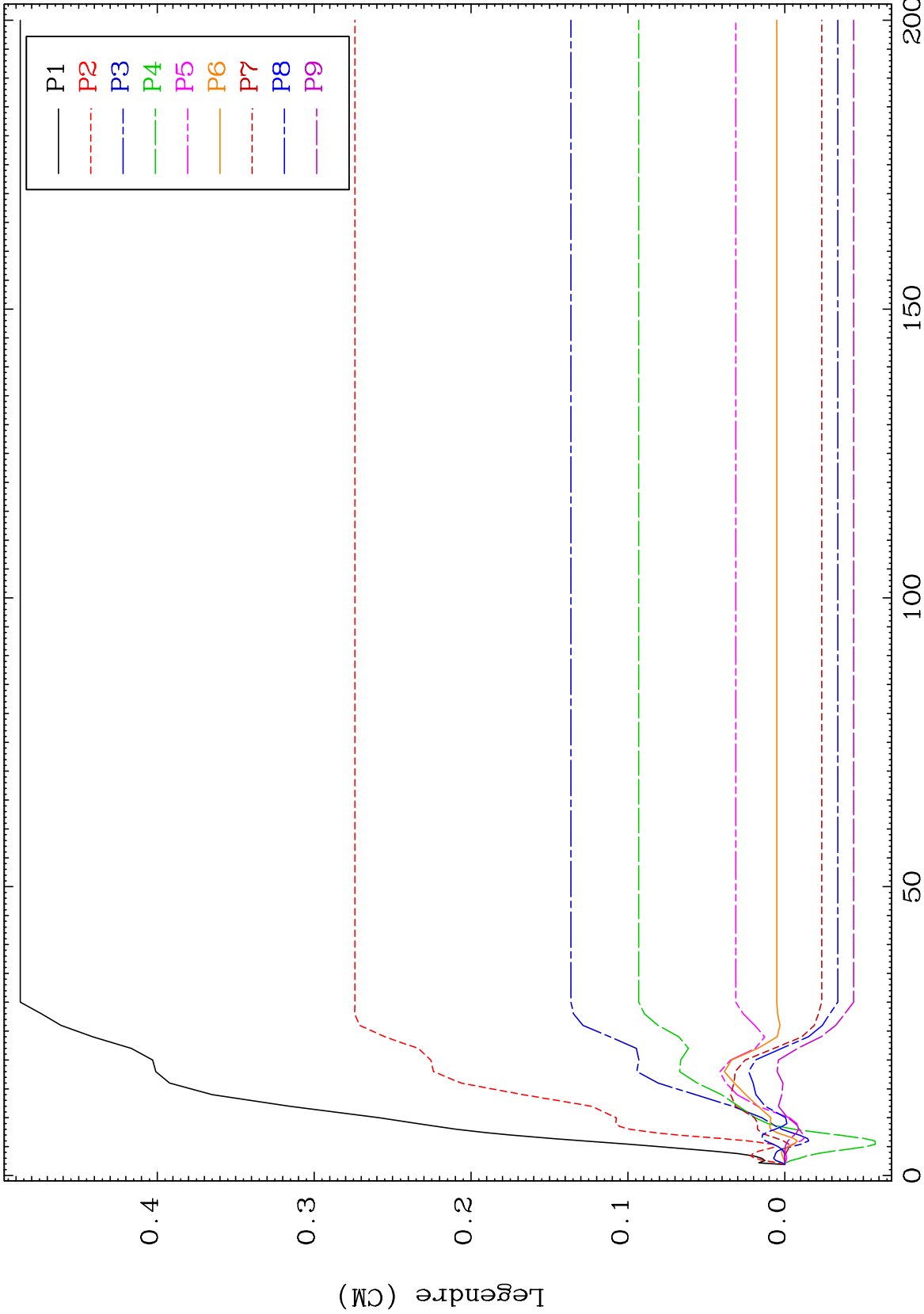


63

Incident Energy (MeV)

55-Cs-137

MAT 5537 MT= 62 (n,n') Level Legendre Coefficients 55-Cs-137

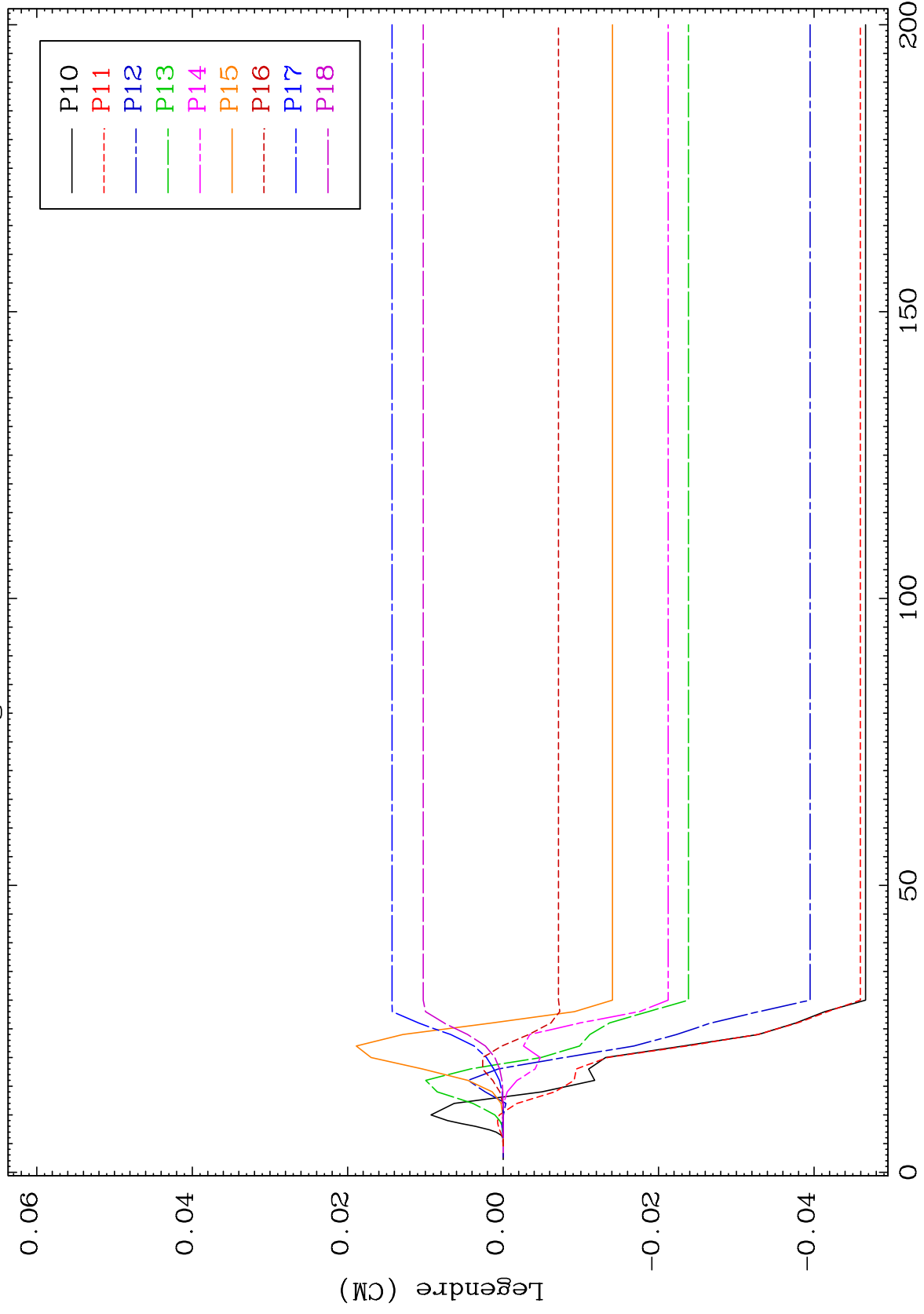


64 55-Cs-137

MAT 5537

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

55-CS-137



59

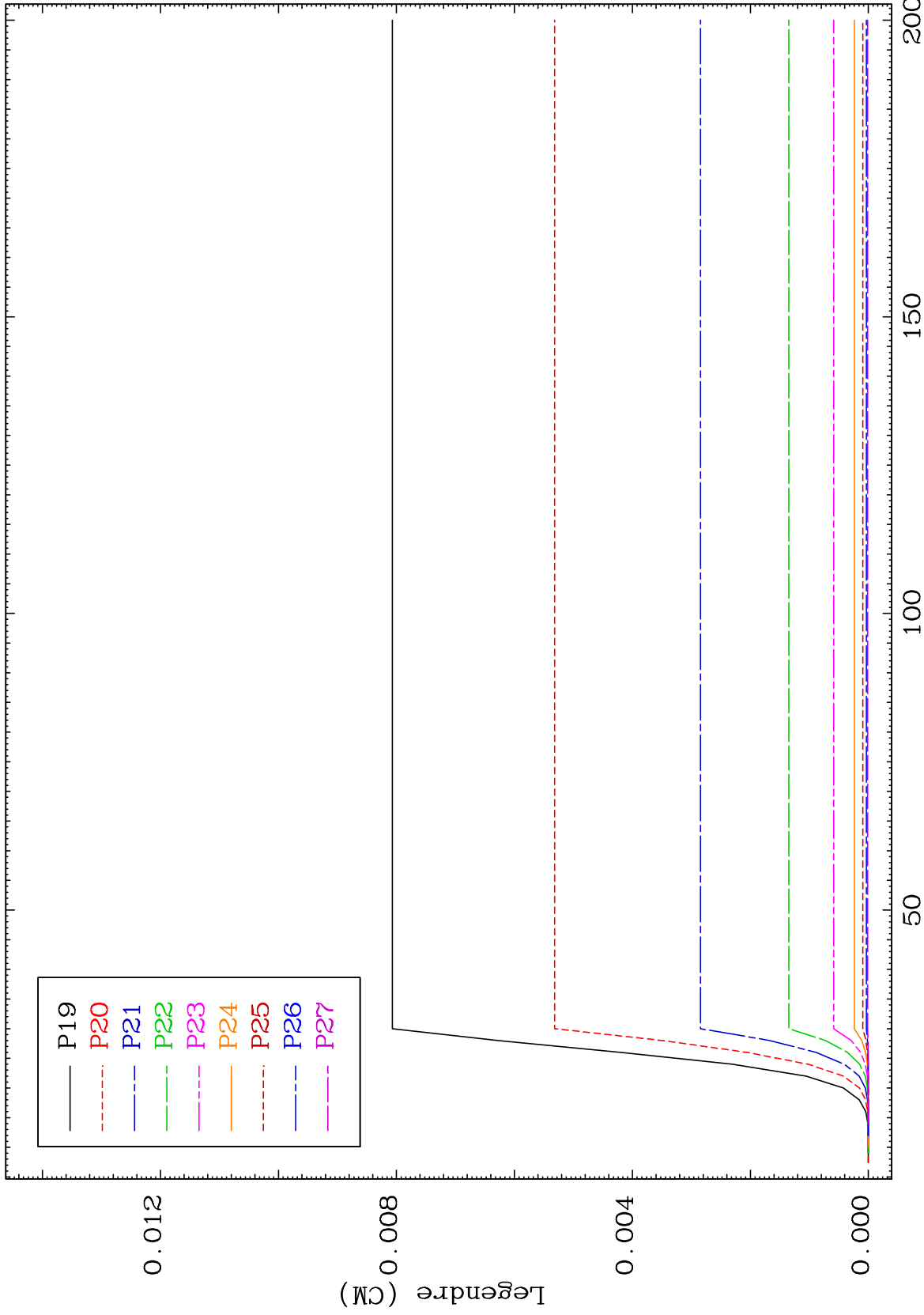
Incident Energy (MeV)

55-CS-137

MAT 5537

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

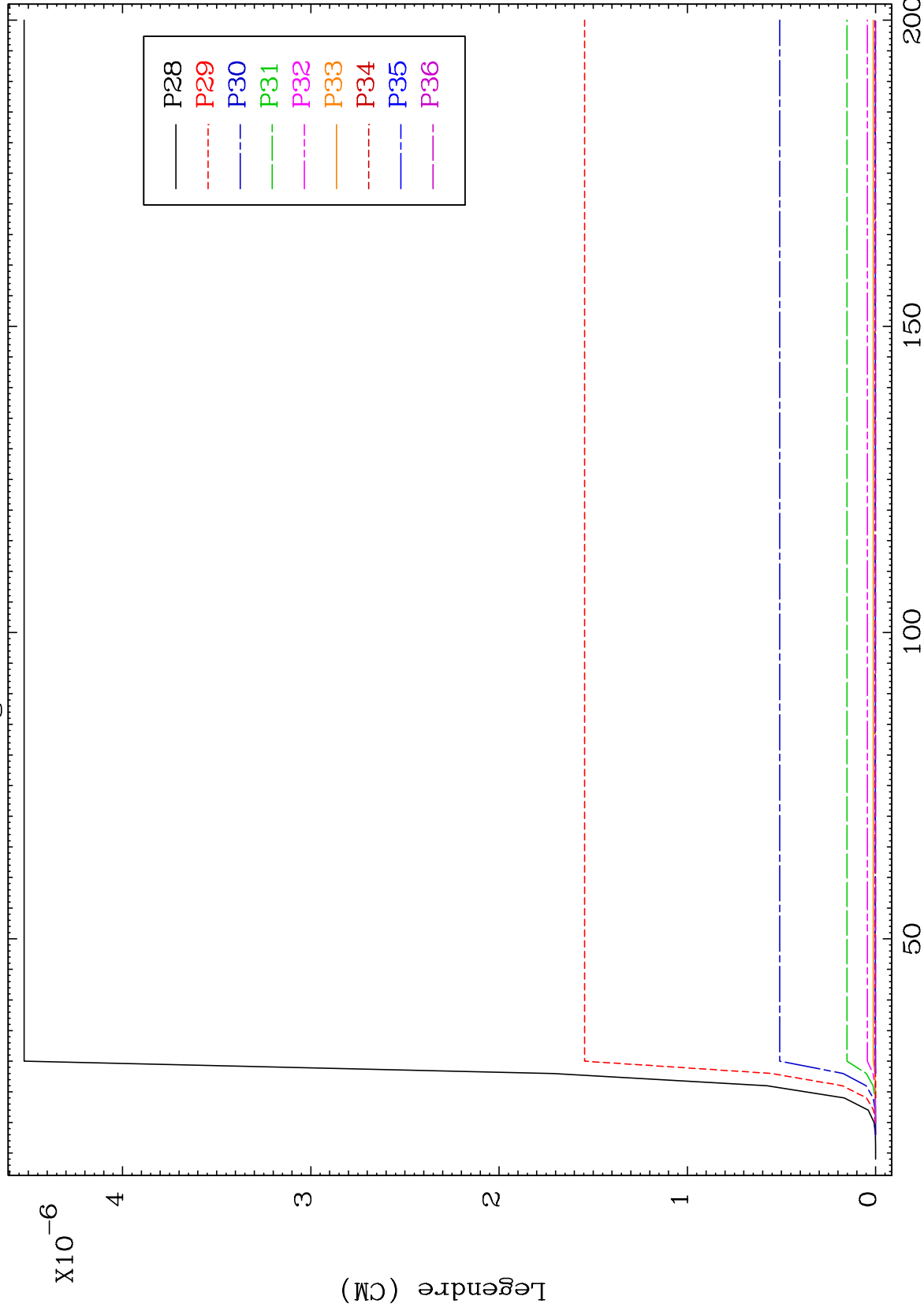
55-Cs-137



MAT 5537

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

55-Cs-137



67

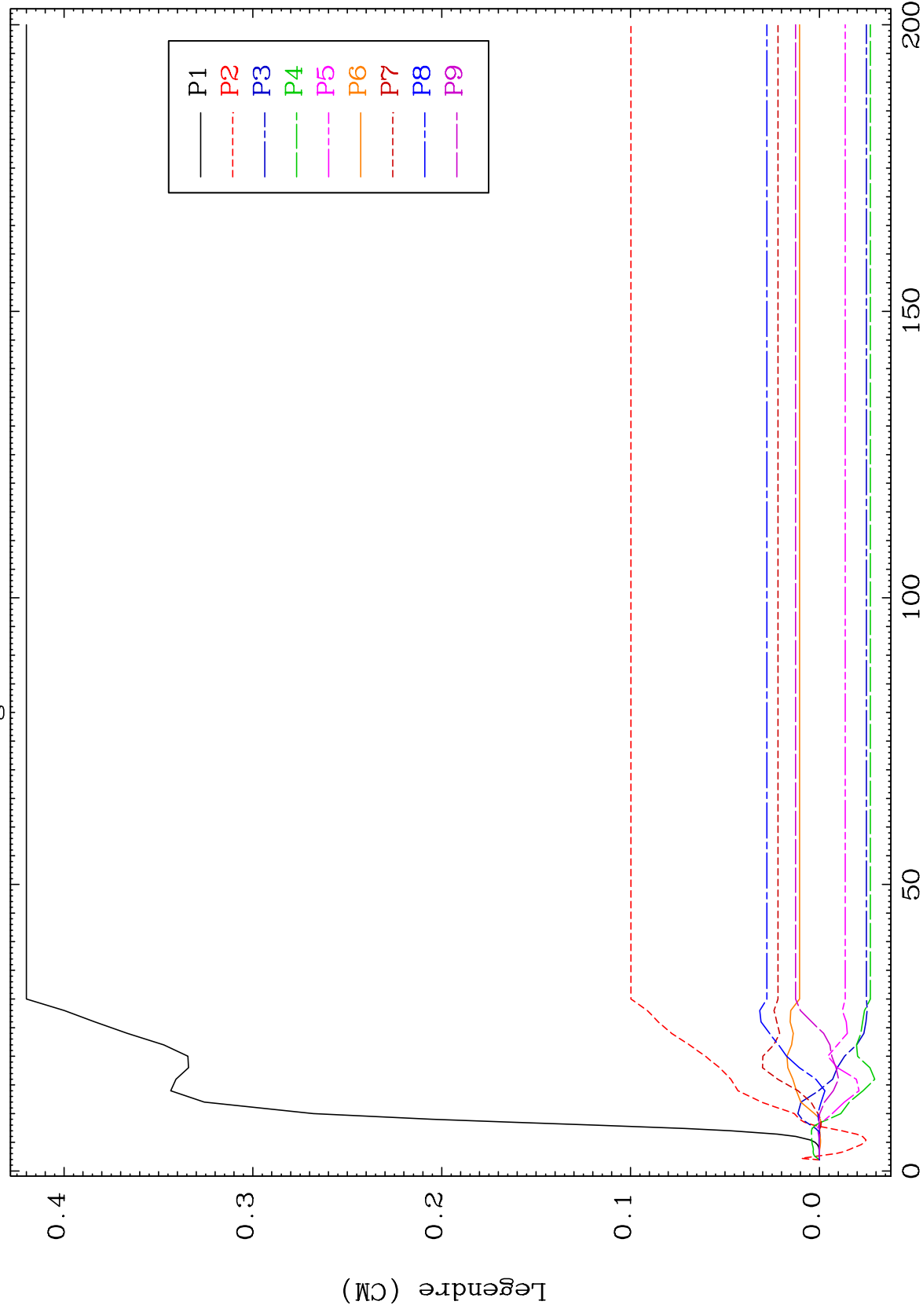
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-CS-137

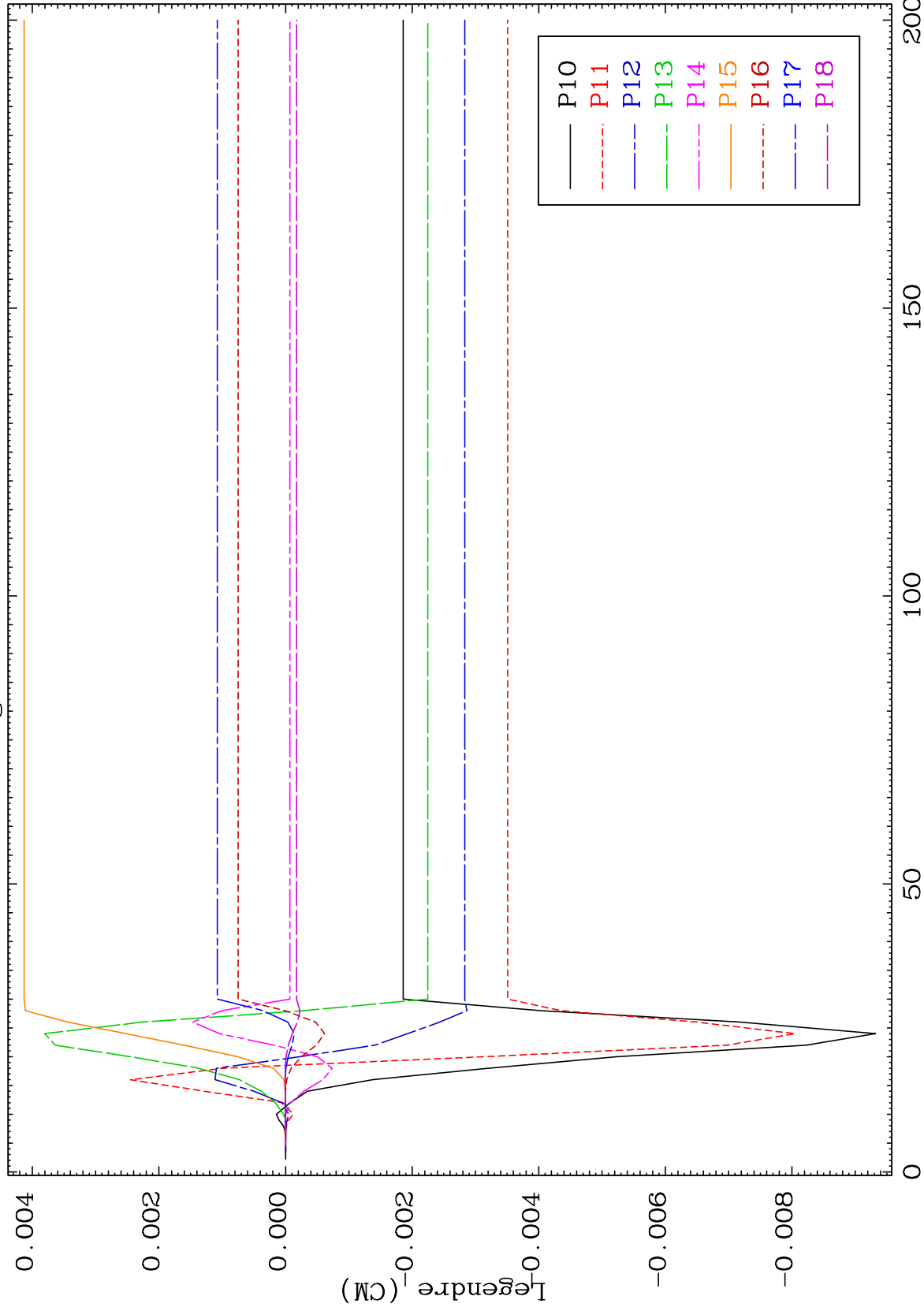


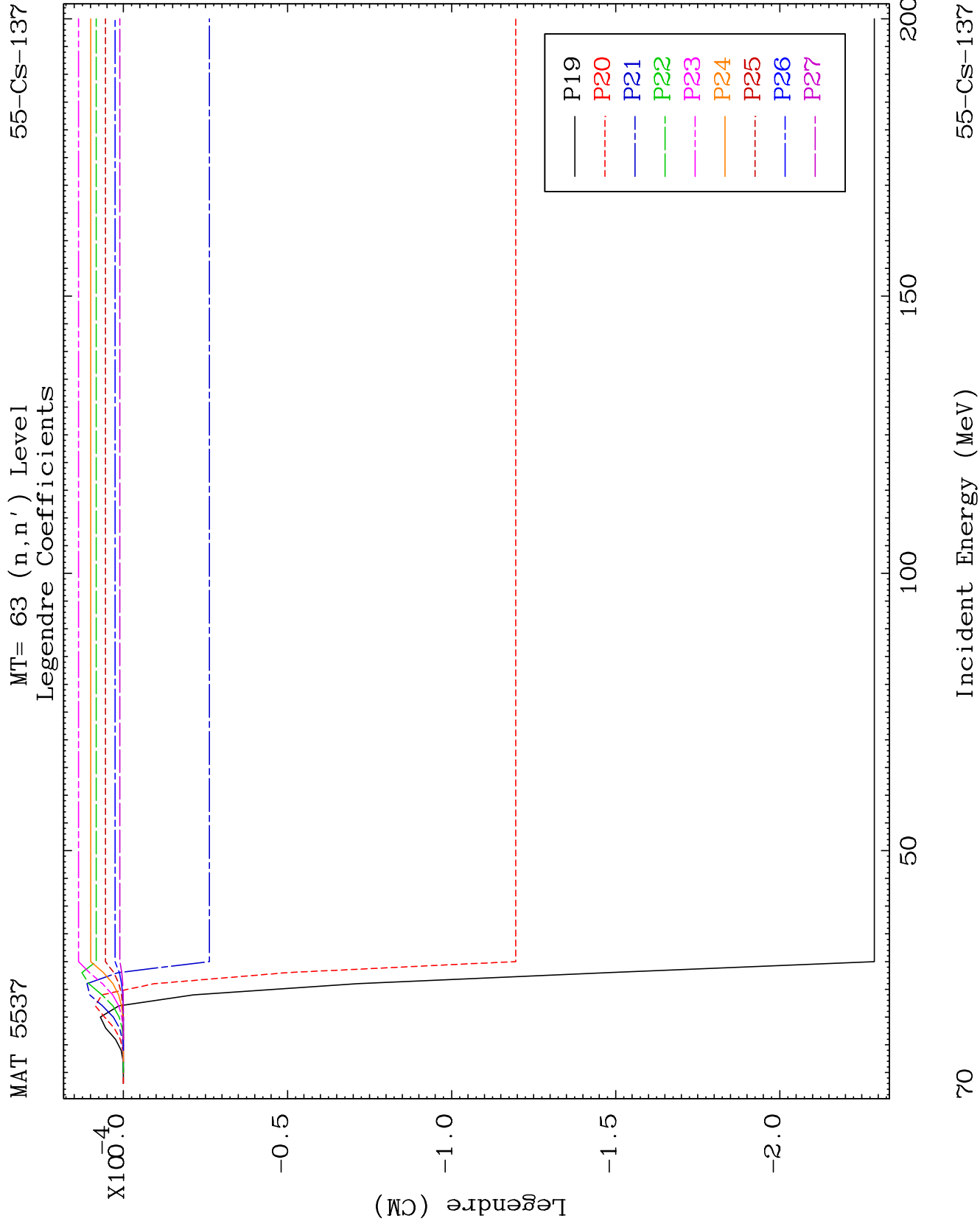
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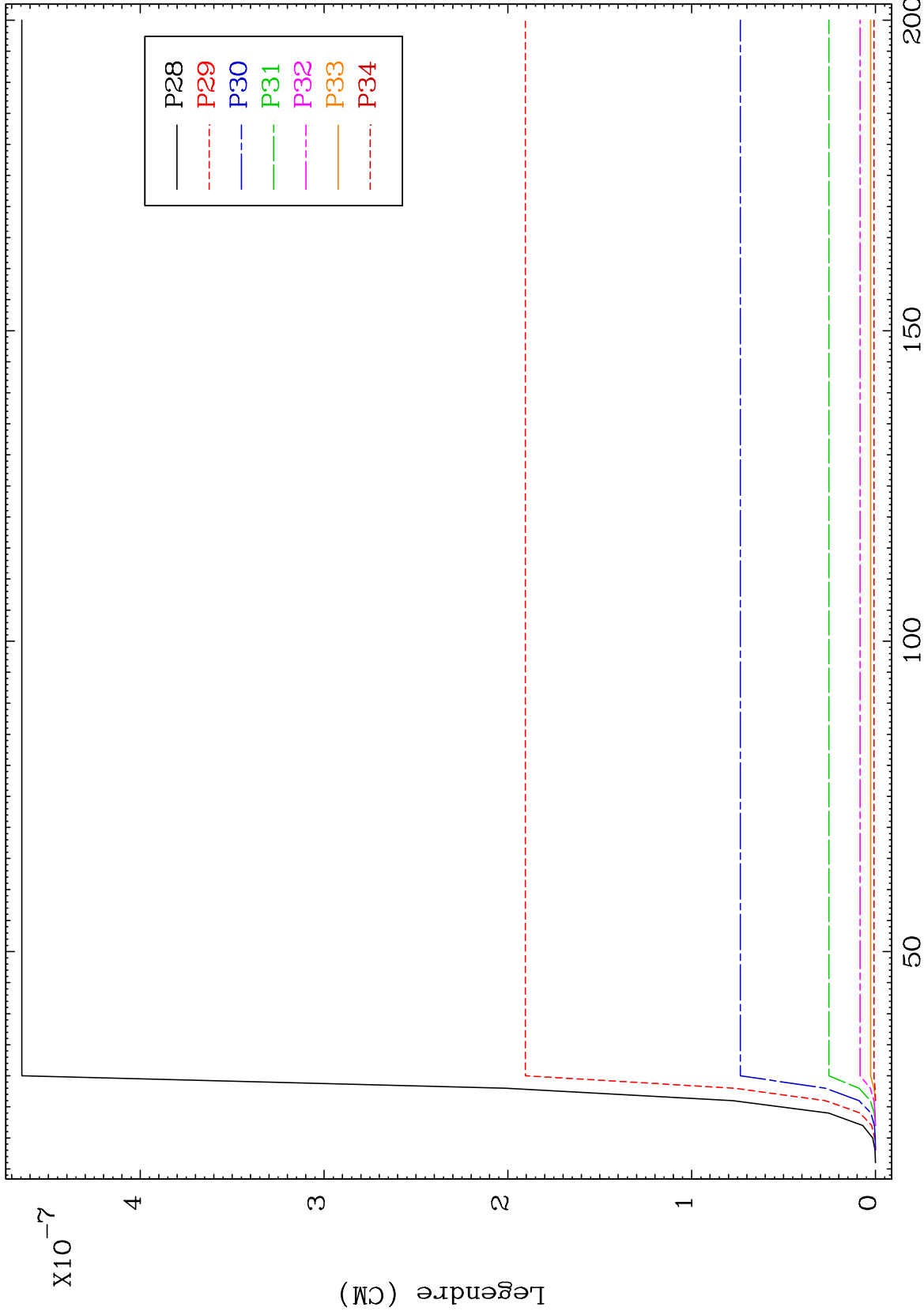
Incident Energy (MeV)

55-CS-137

MAT 5537 MT= 63 (n,n') Level Legendre Coefficients 55-Cs-137



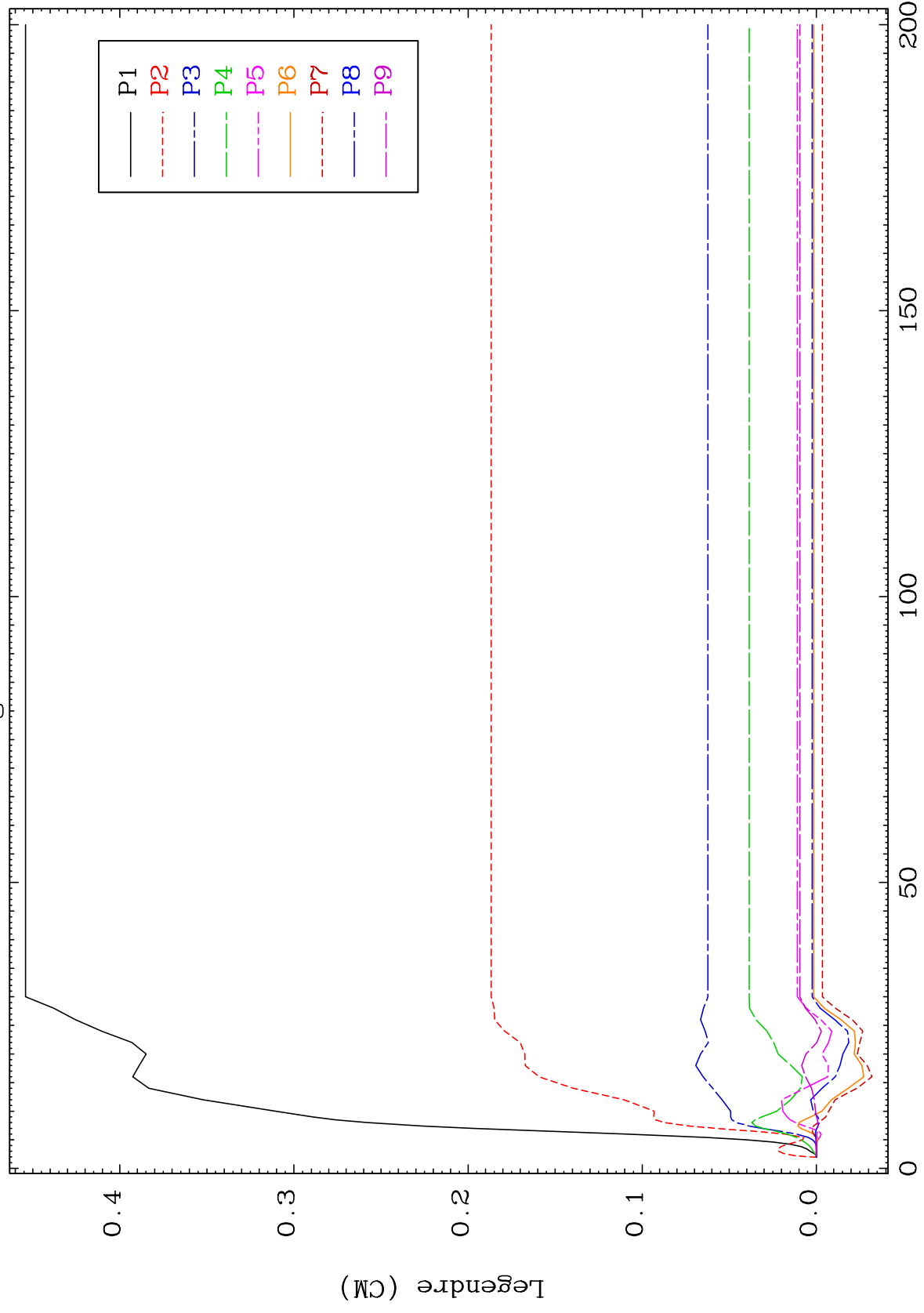




MAT 5537

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

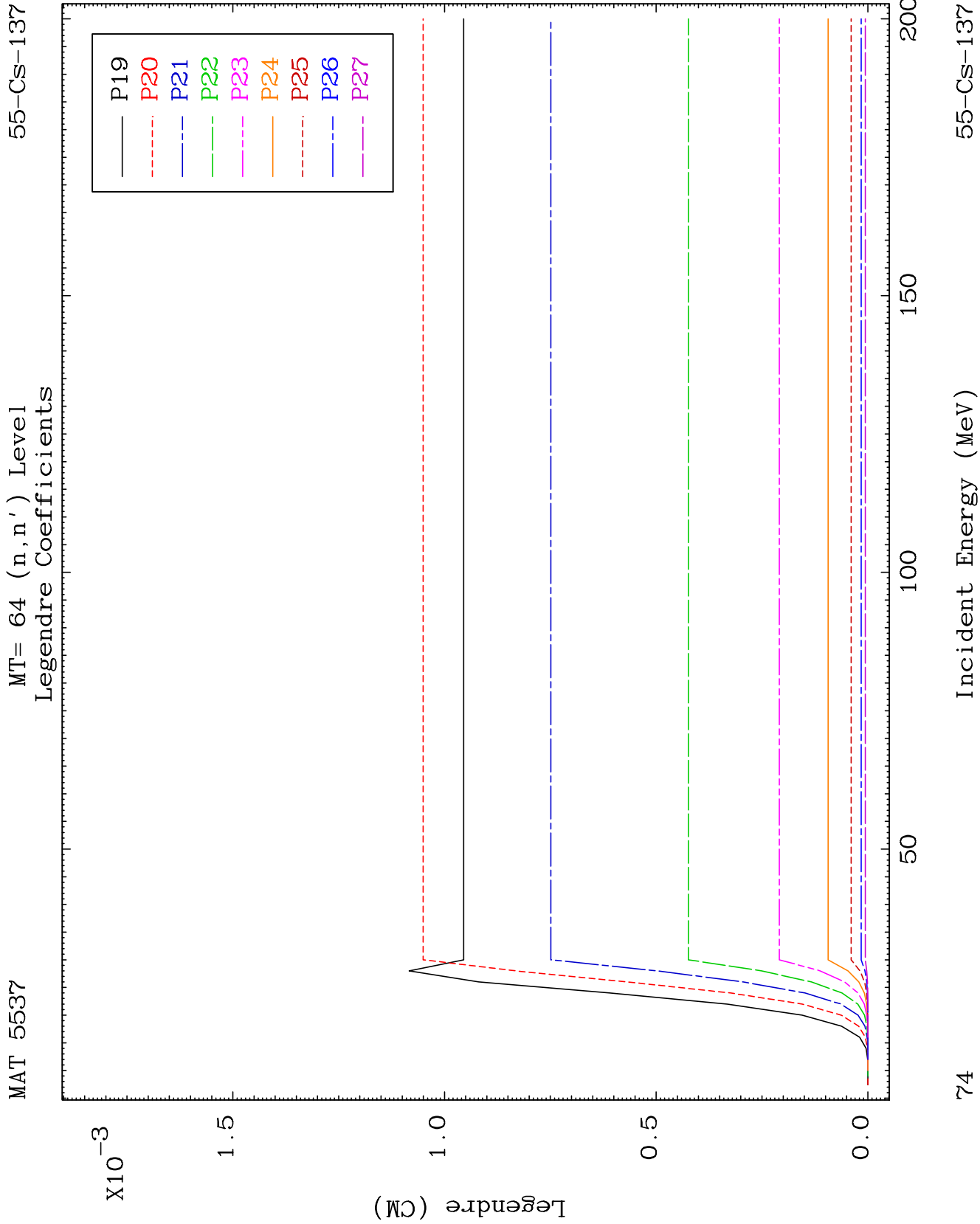
55-CS-137

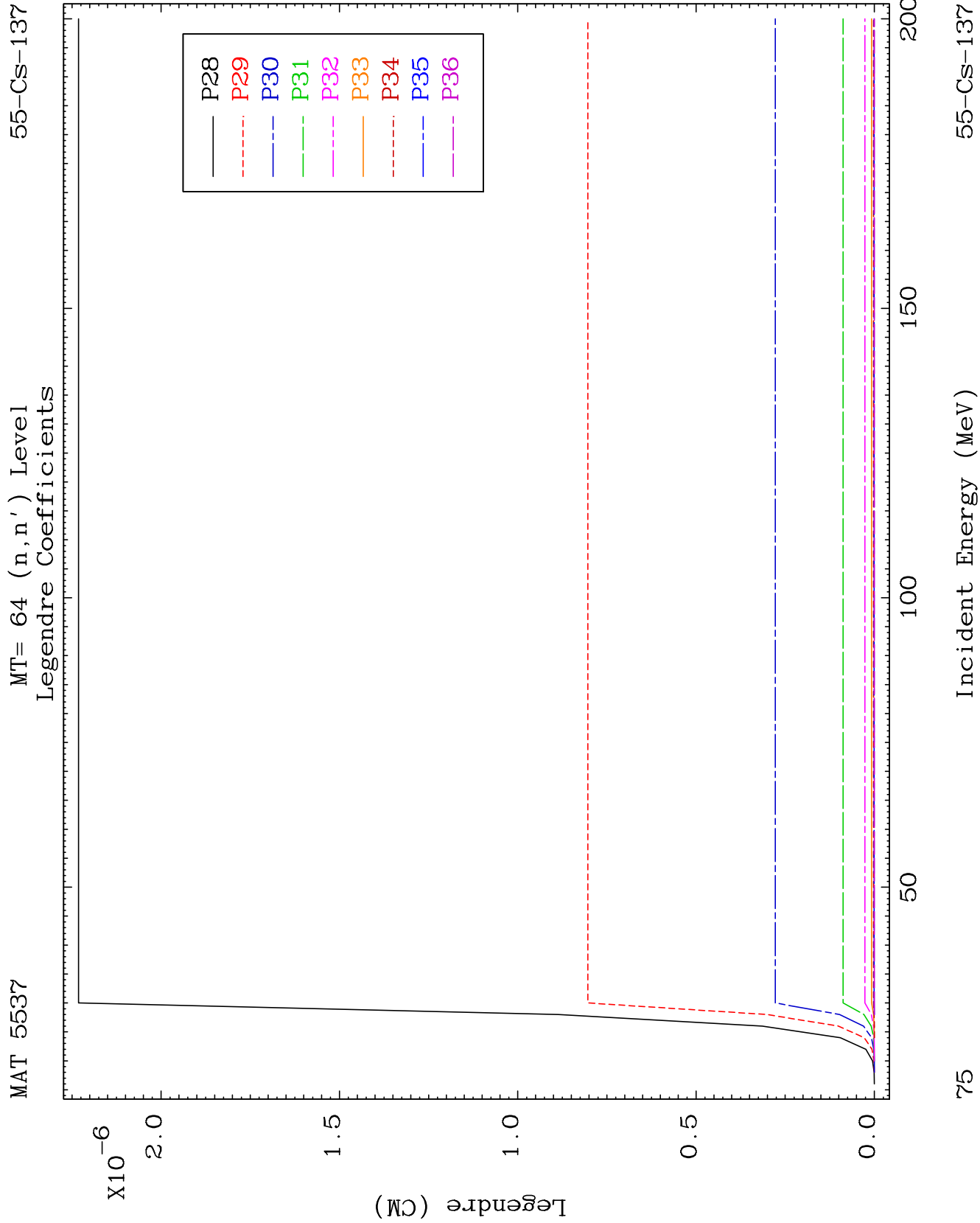


22

Incident Energy (MeV)

55-CS-137

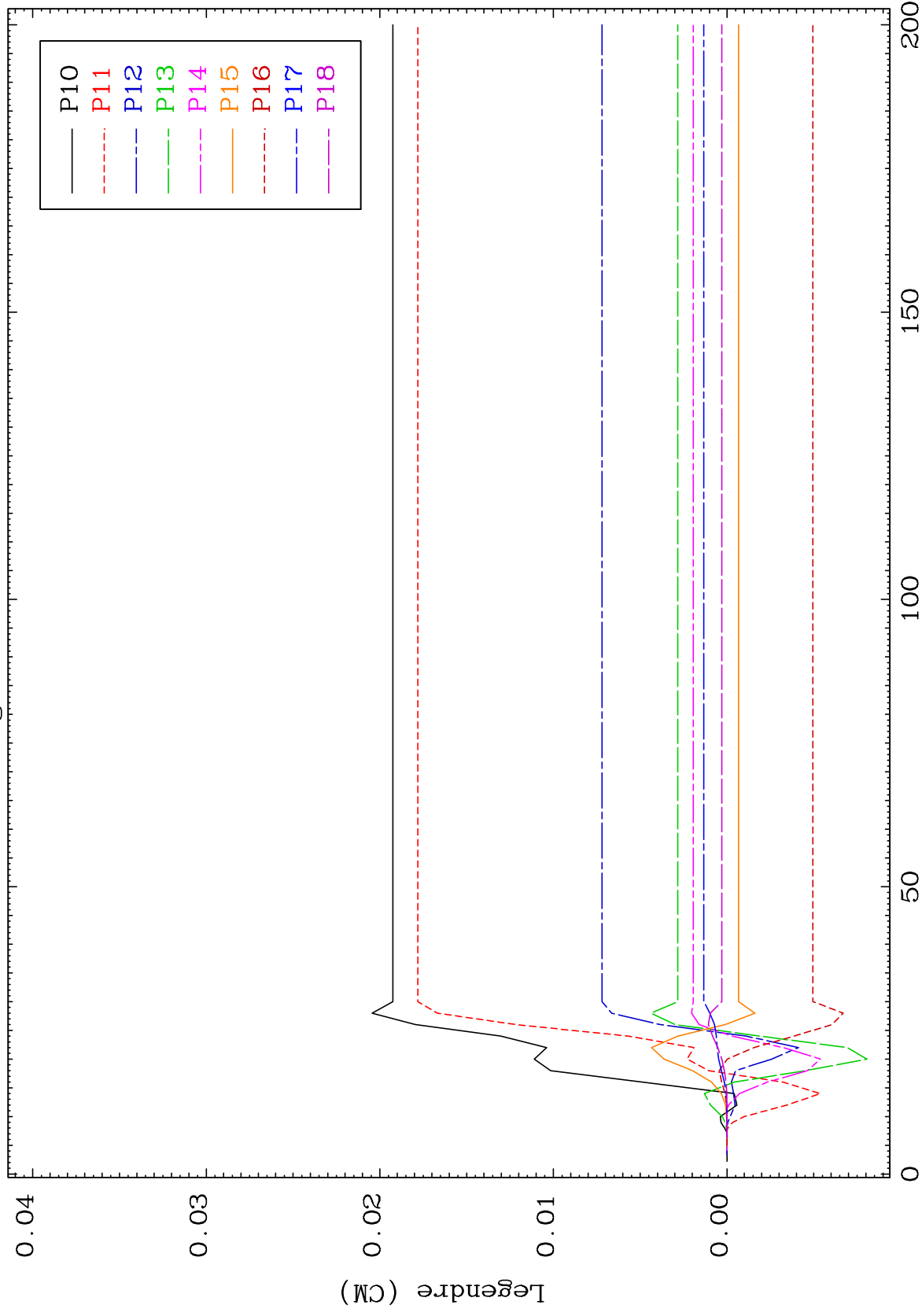


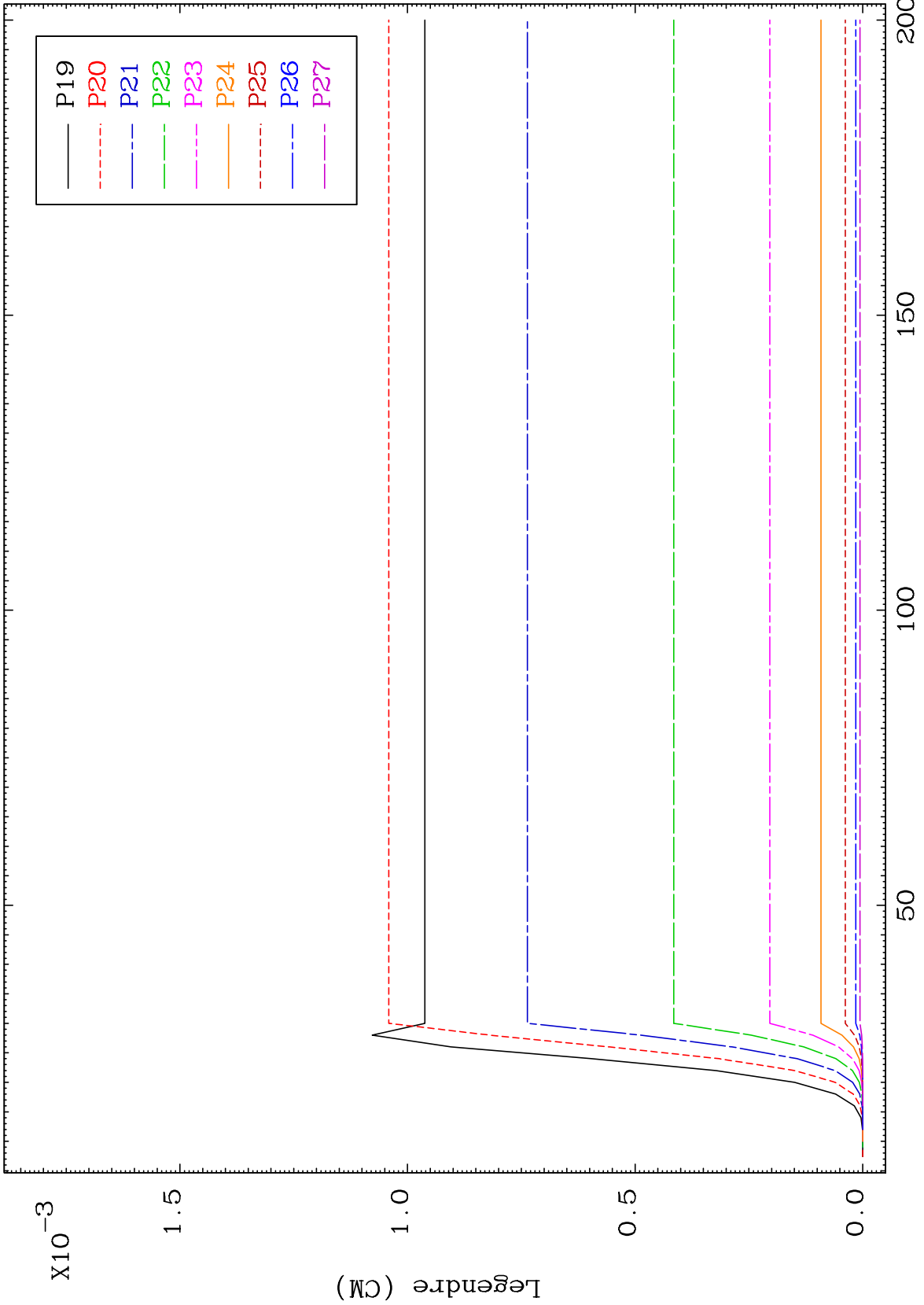


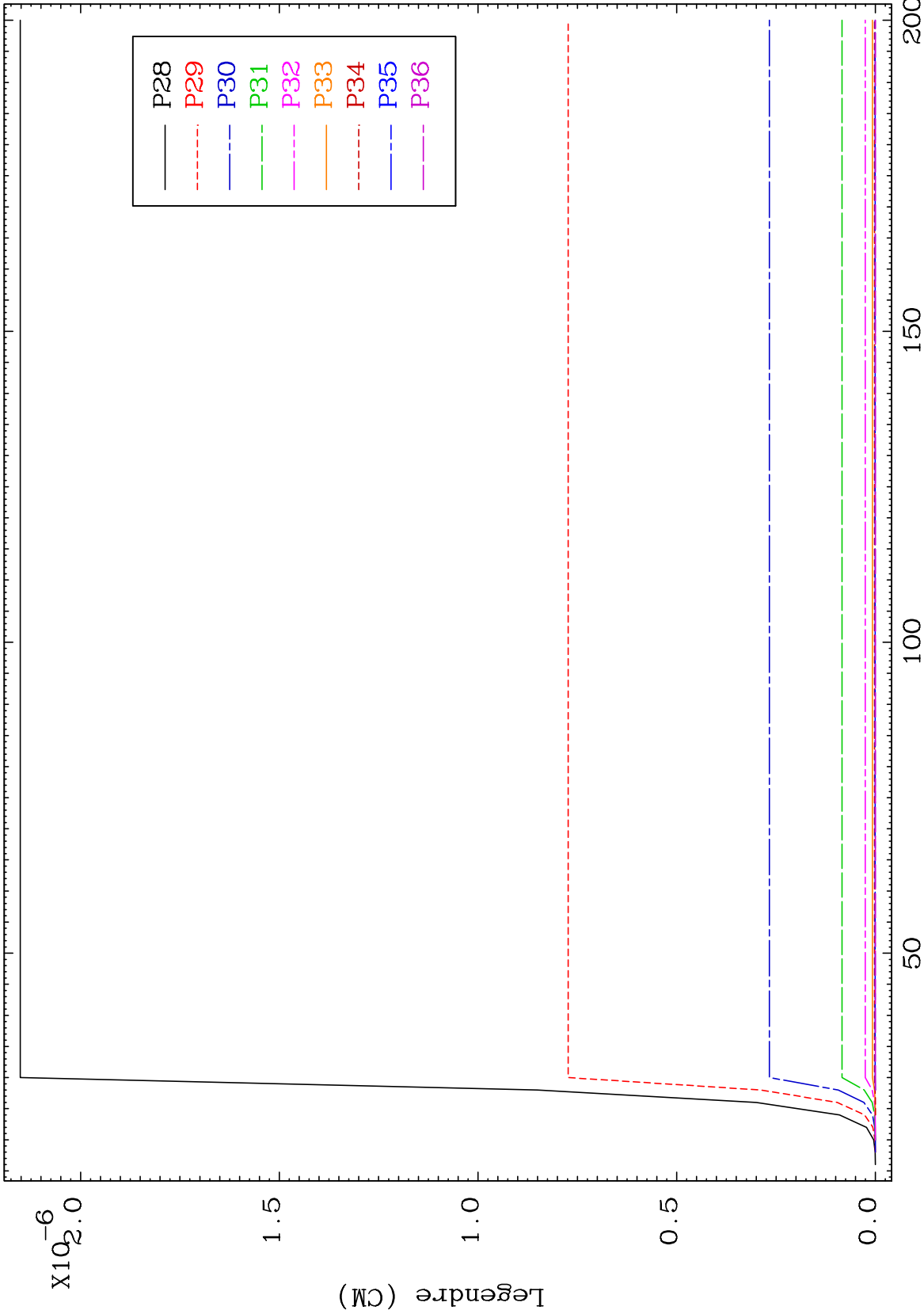
MAT 5537

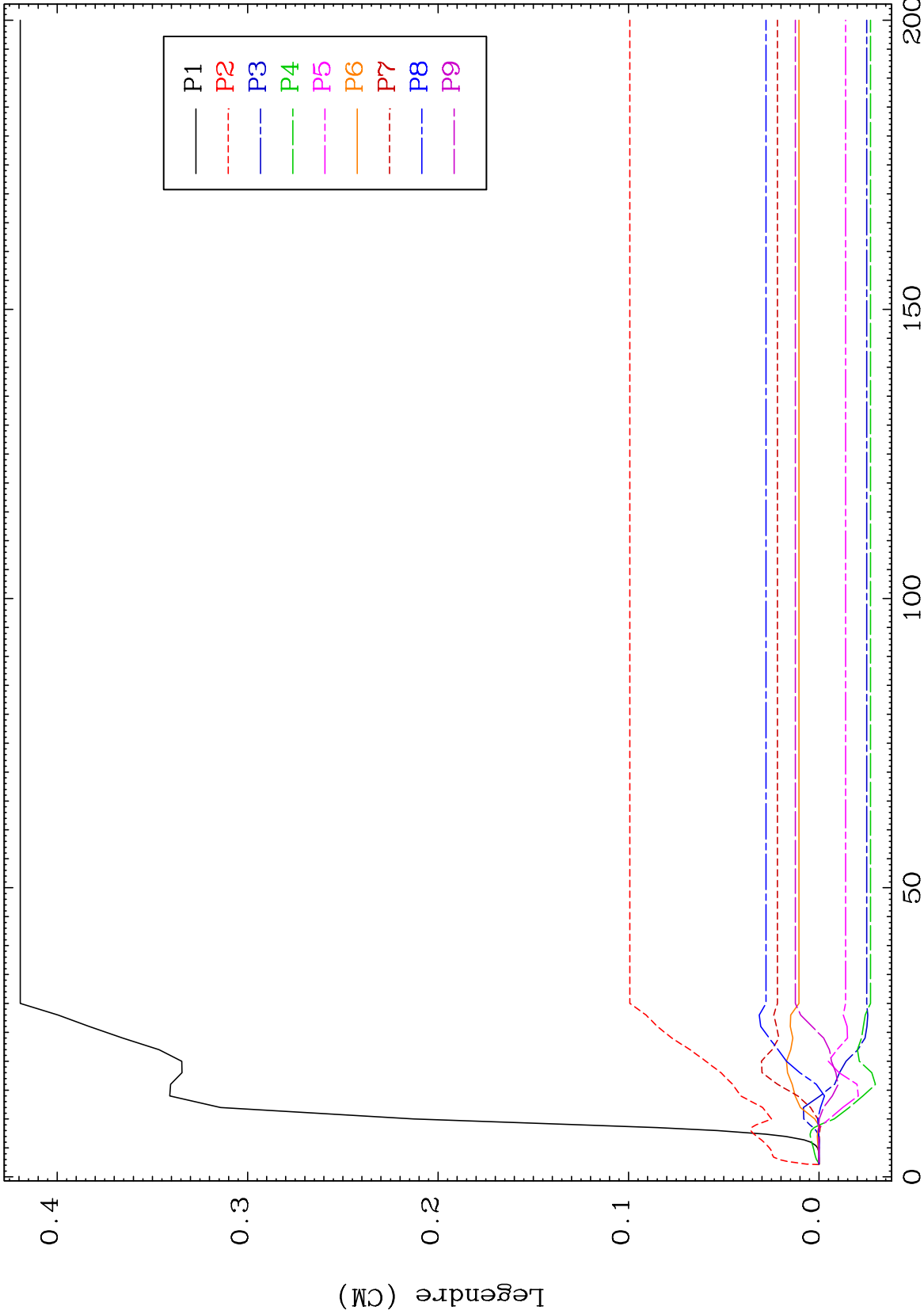
MT= 65 (n, n') Level
Legendre Coefficients

55-CS-137





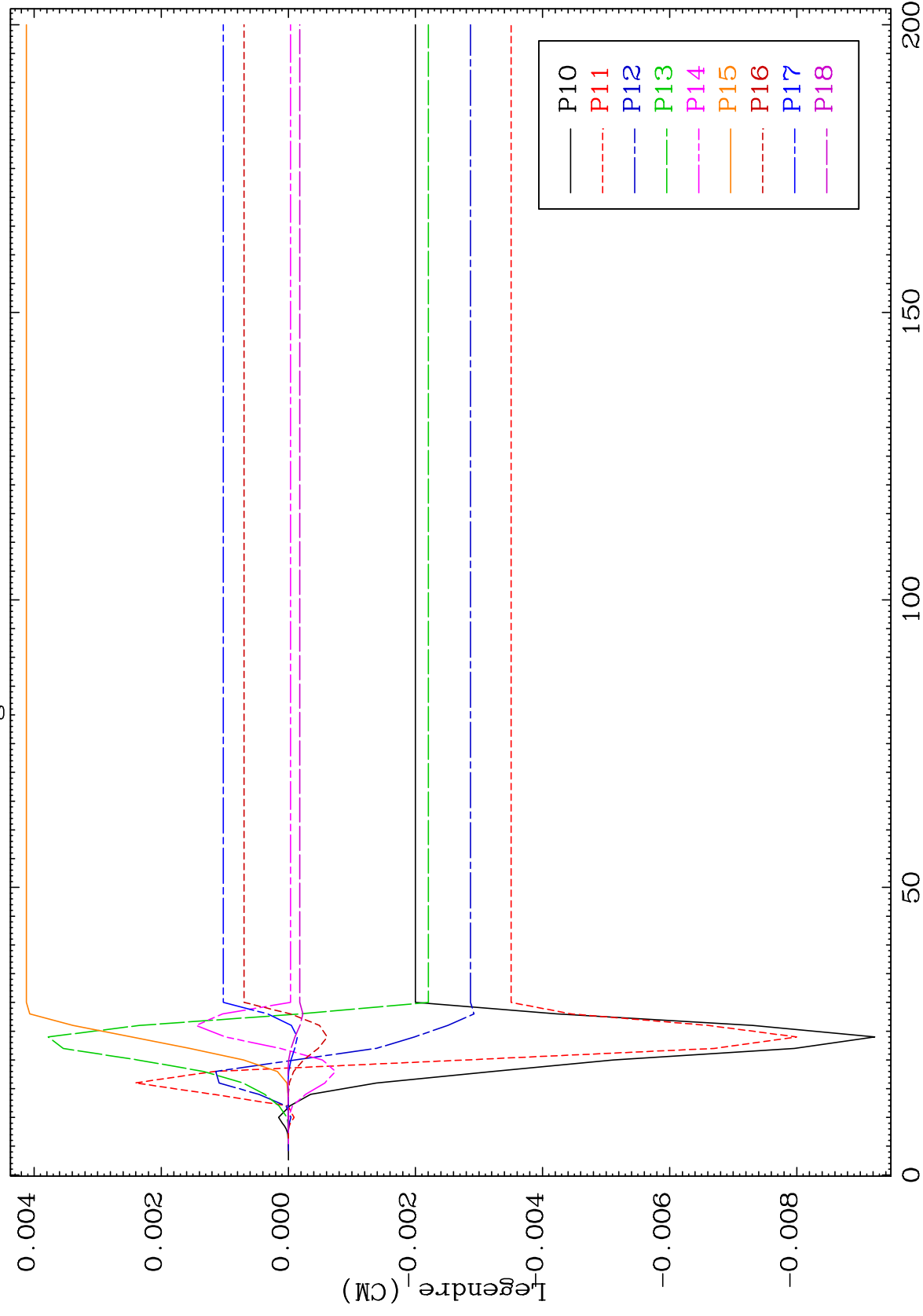




MAT 5537

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

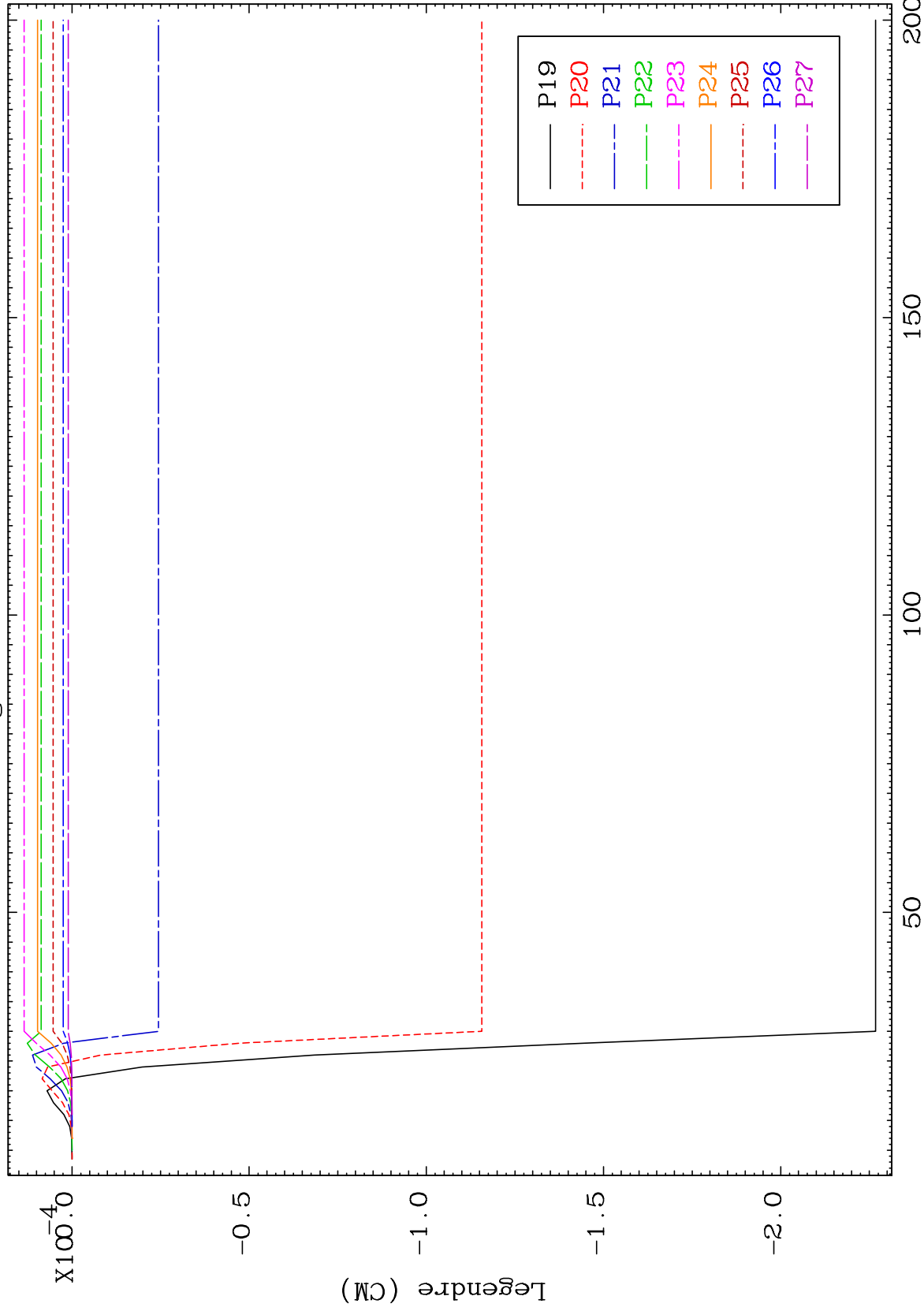
55-CS-137

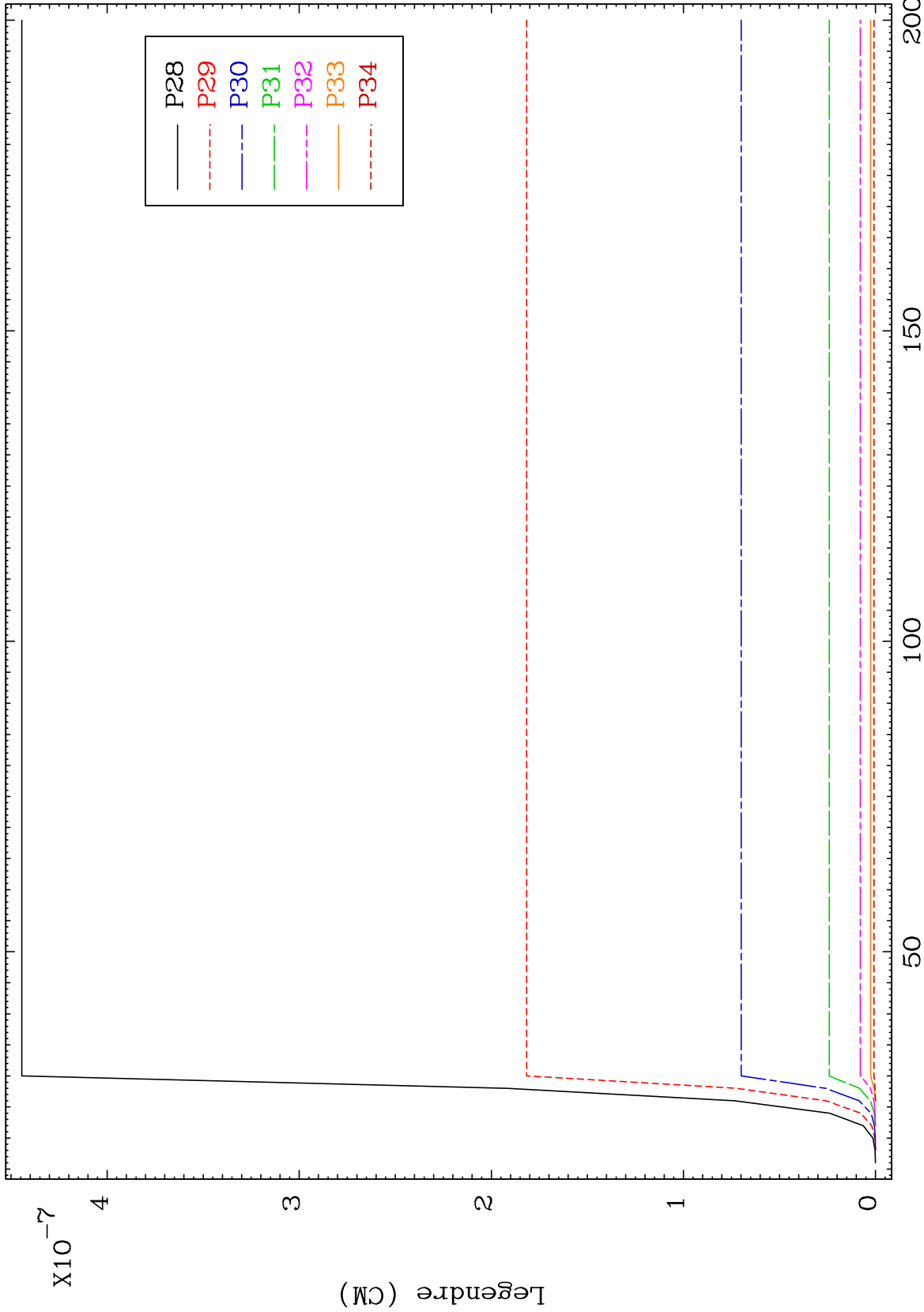


81

Incident Energy (MeV)

55-CS-137

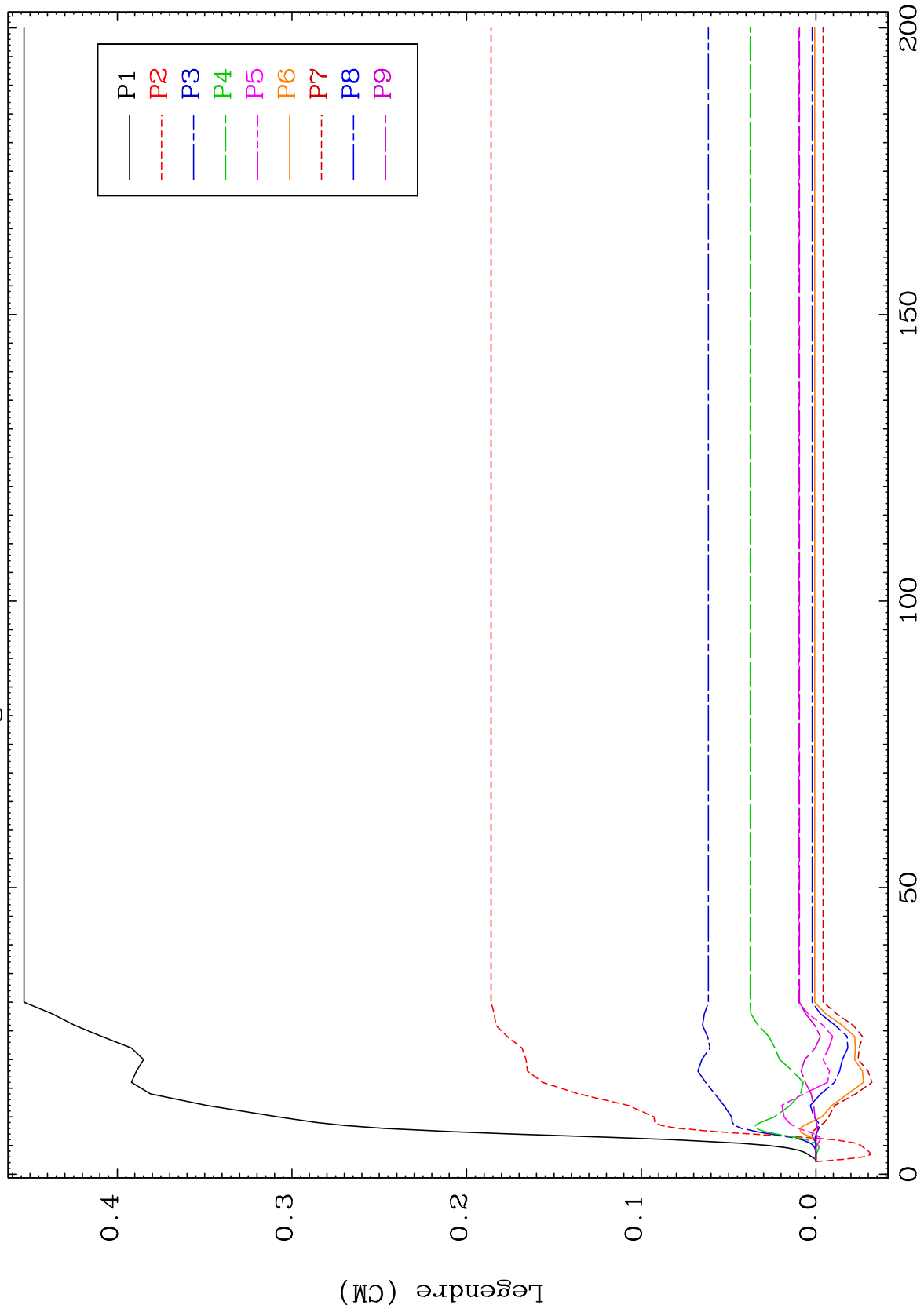




MAT 5537

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

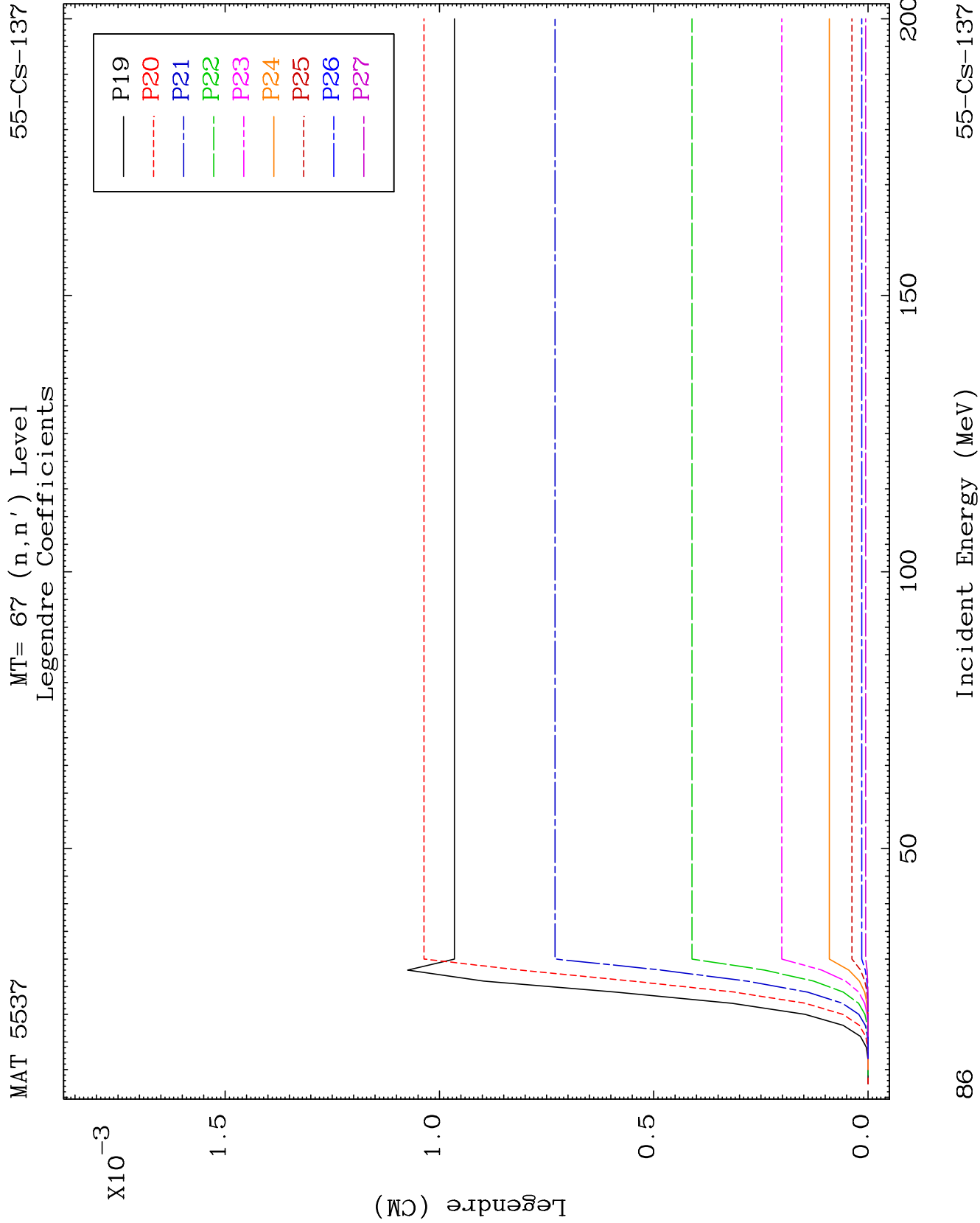
55-CS-137

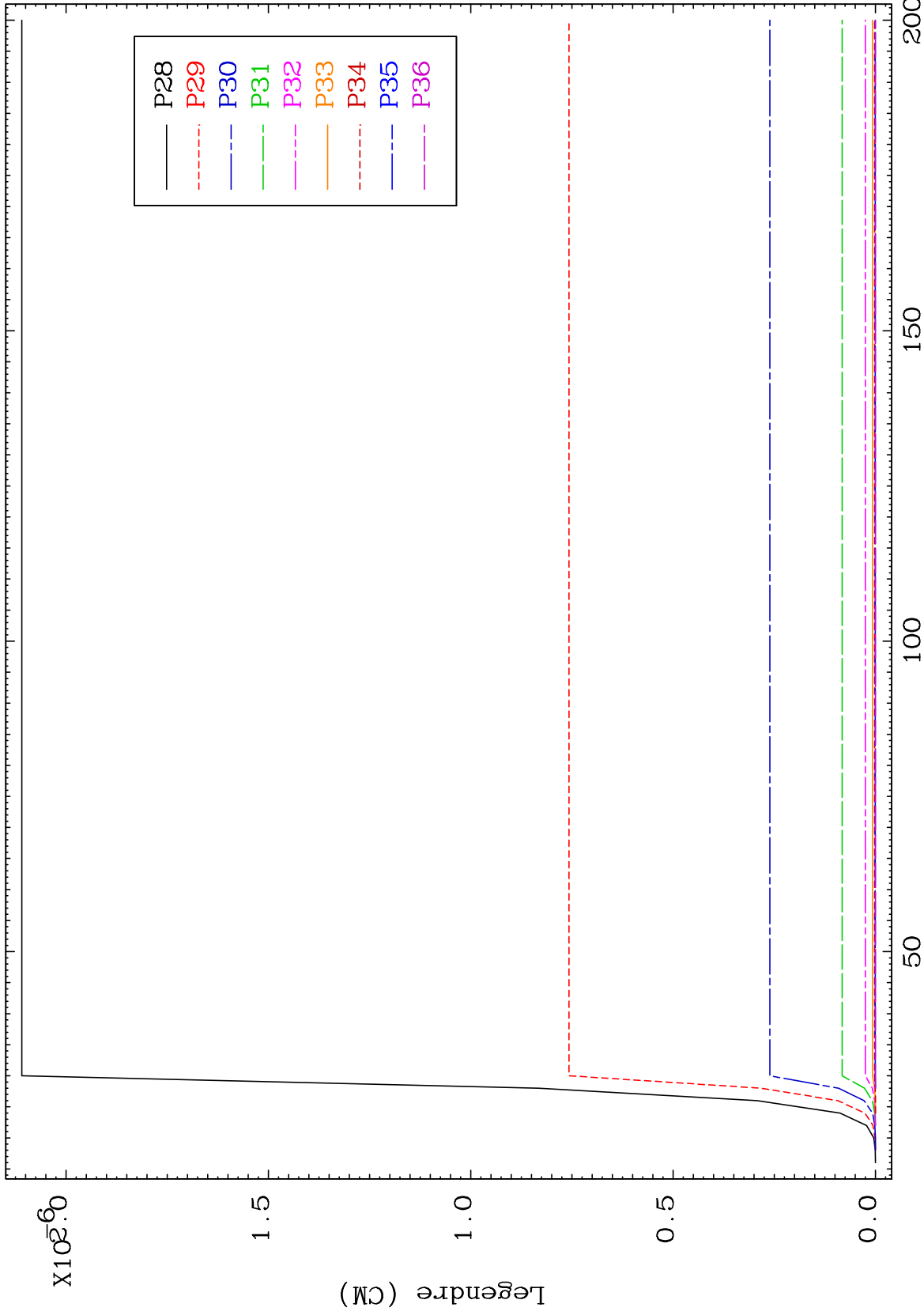


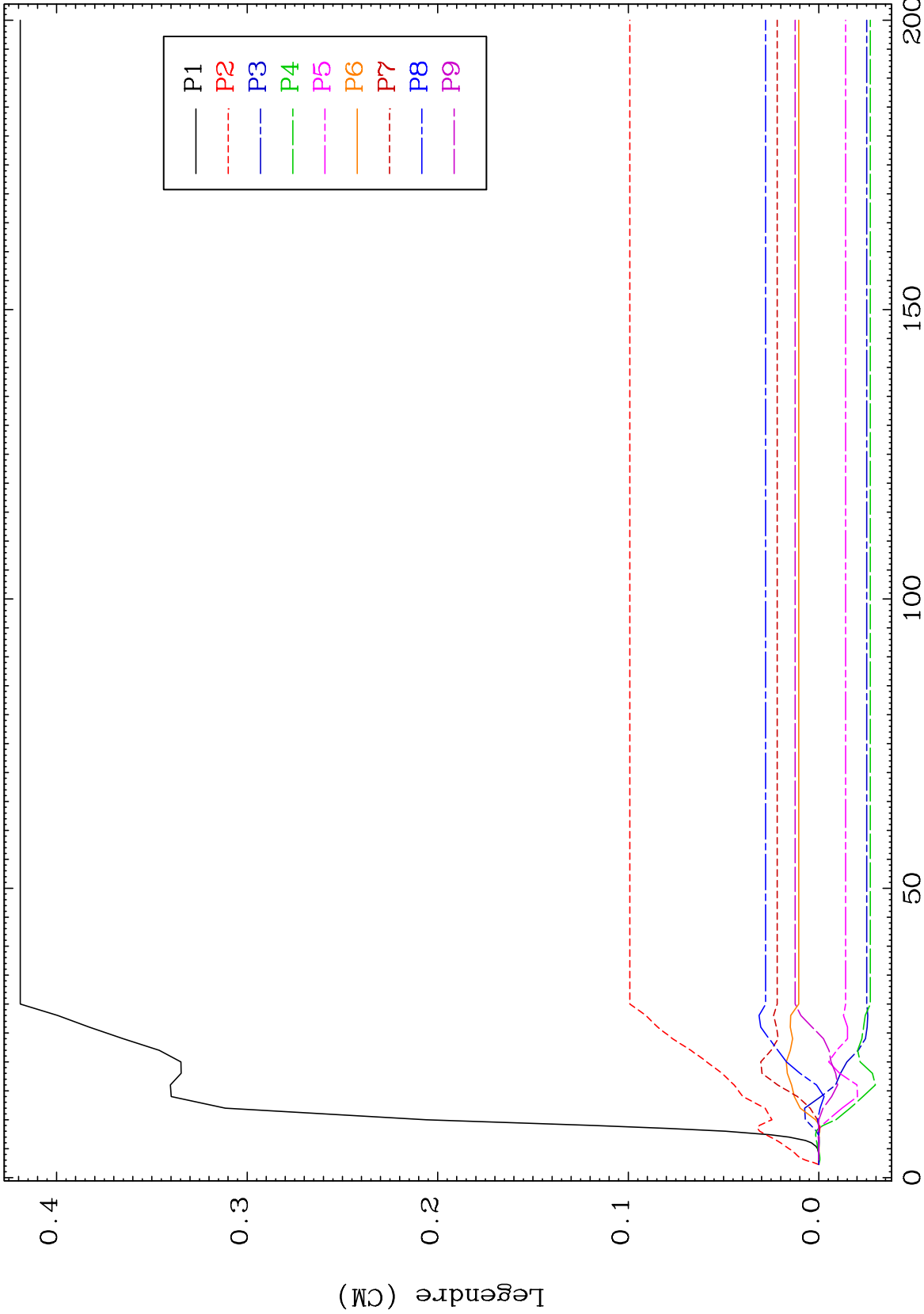
84

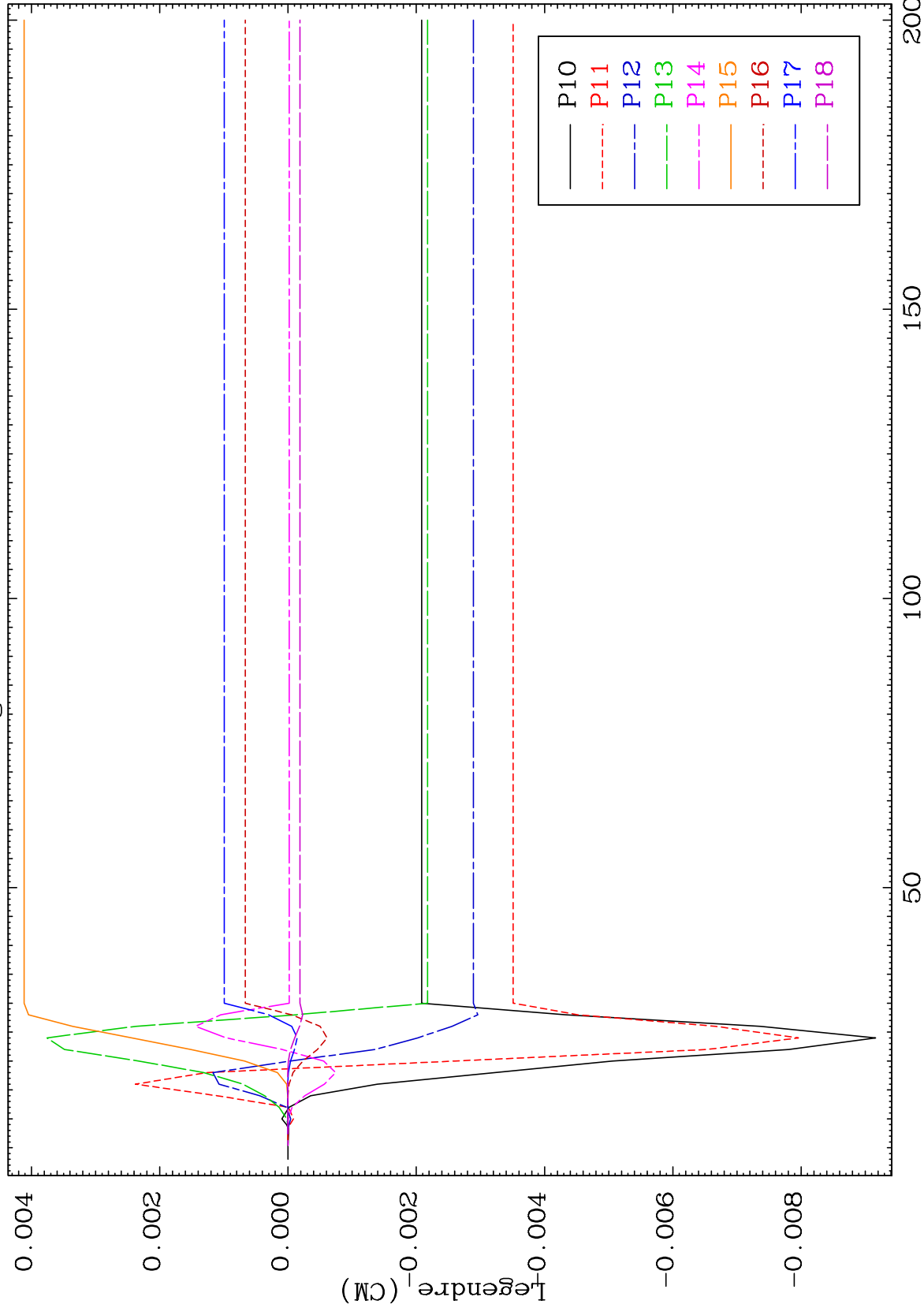
Incident Energy (MeV)

55-CS-137





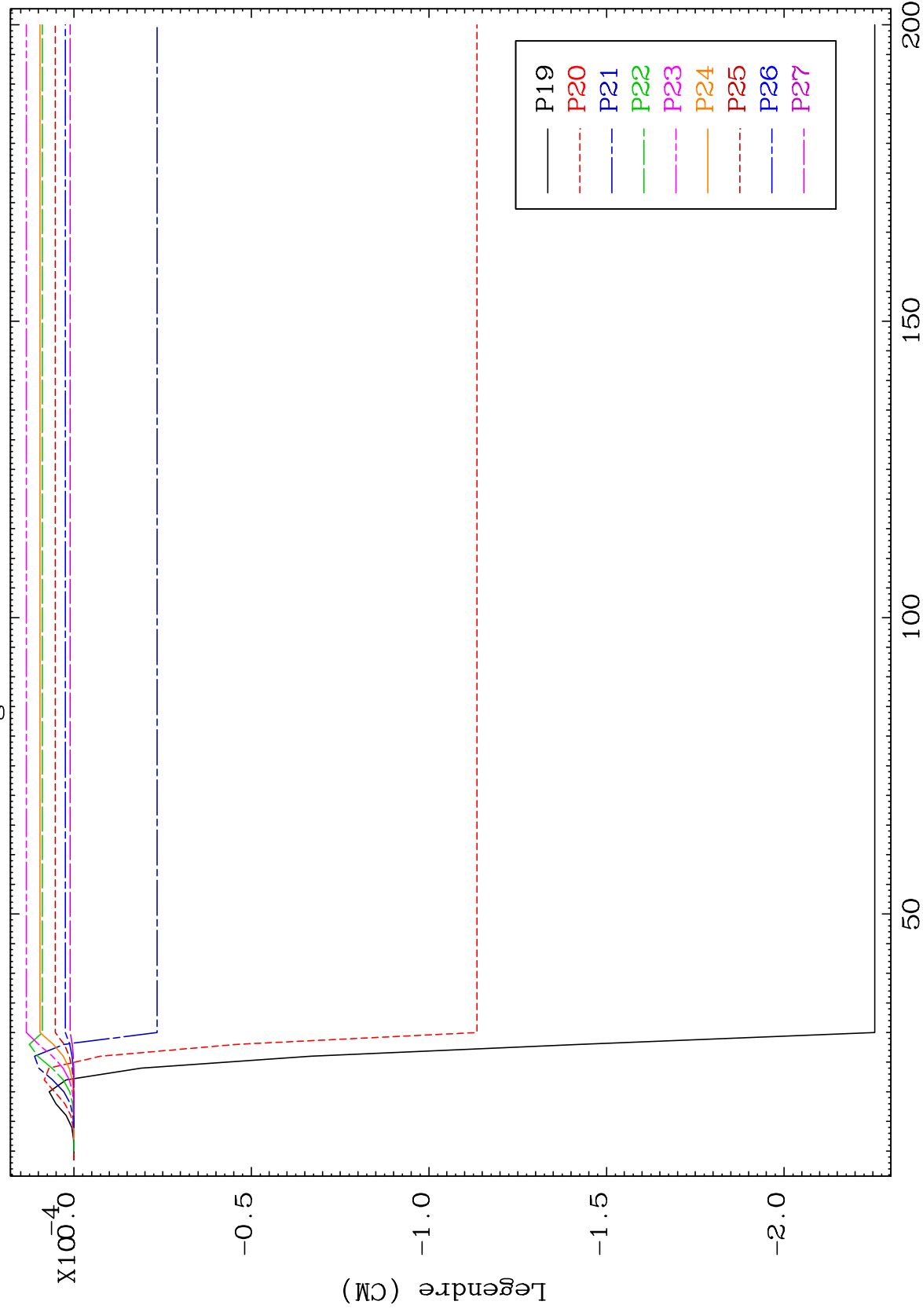




MAT 5537

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

55-CS-137



90

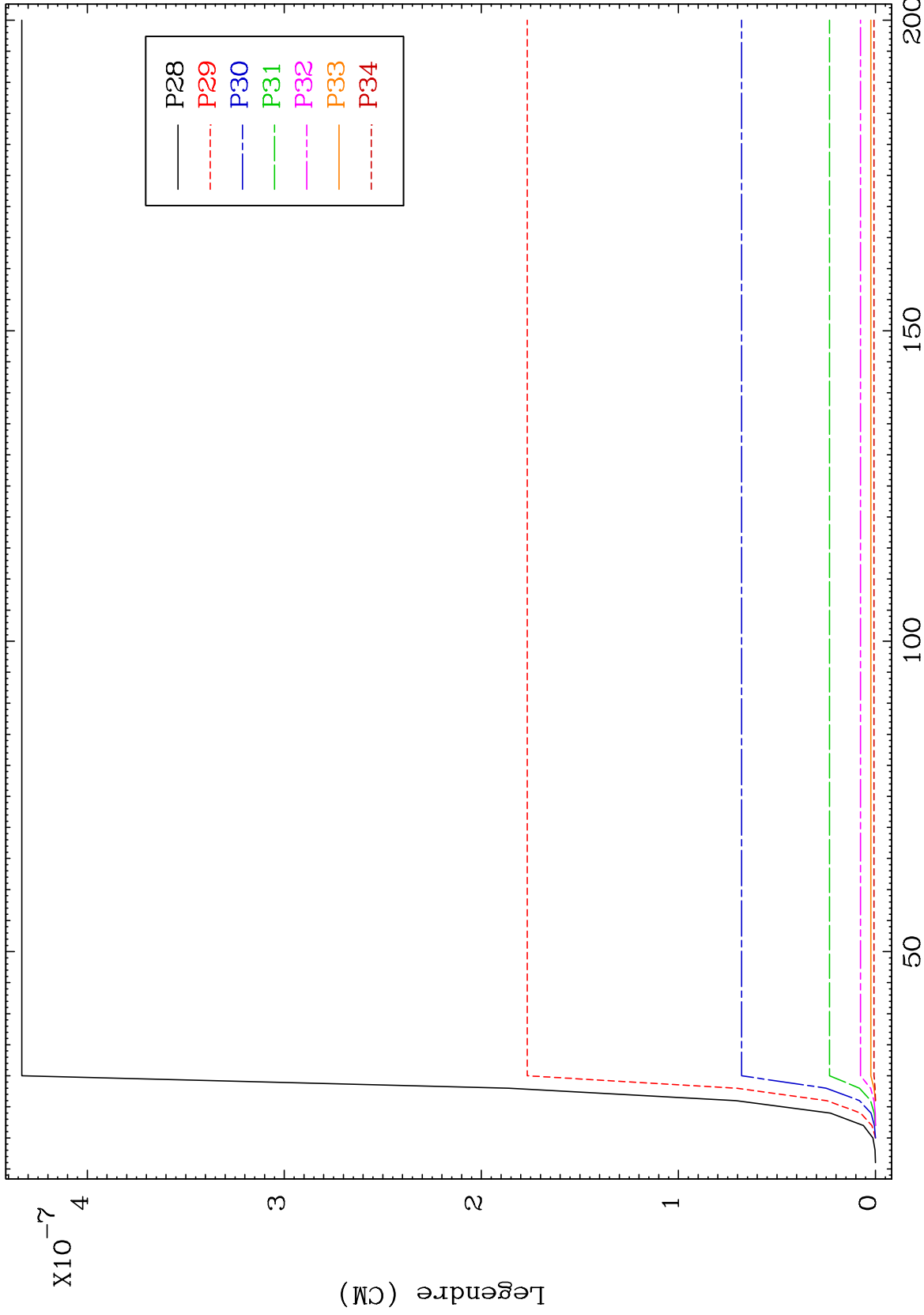
Incident Energy (MeV)

55-CS-137

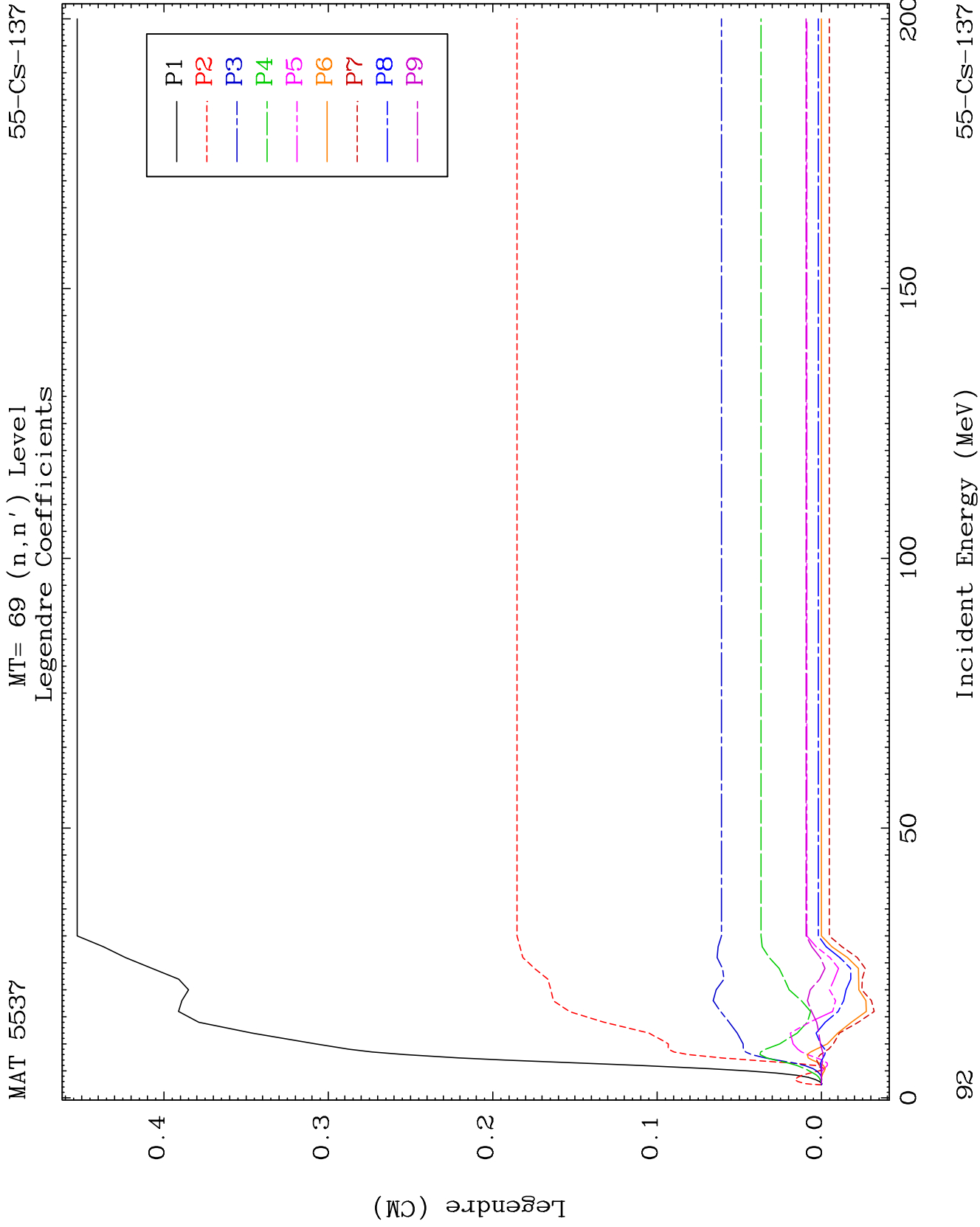
MAT 5537

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

55-Cs-137



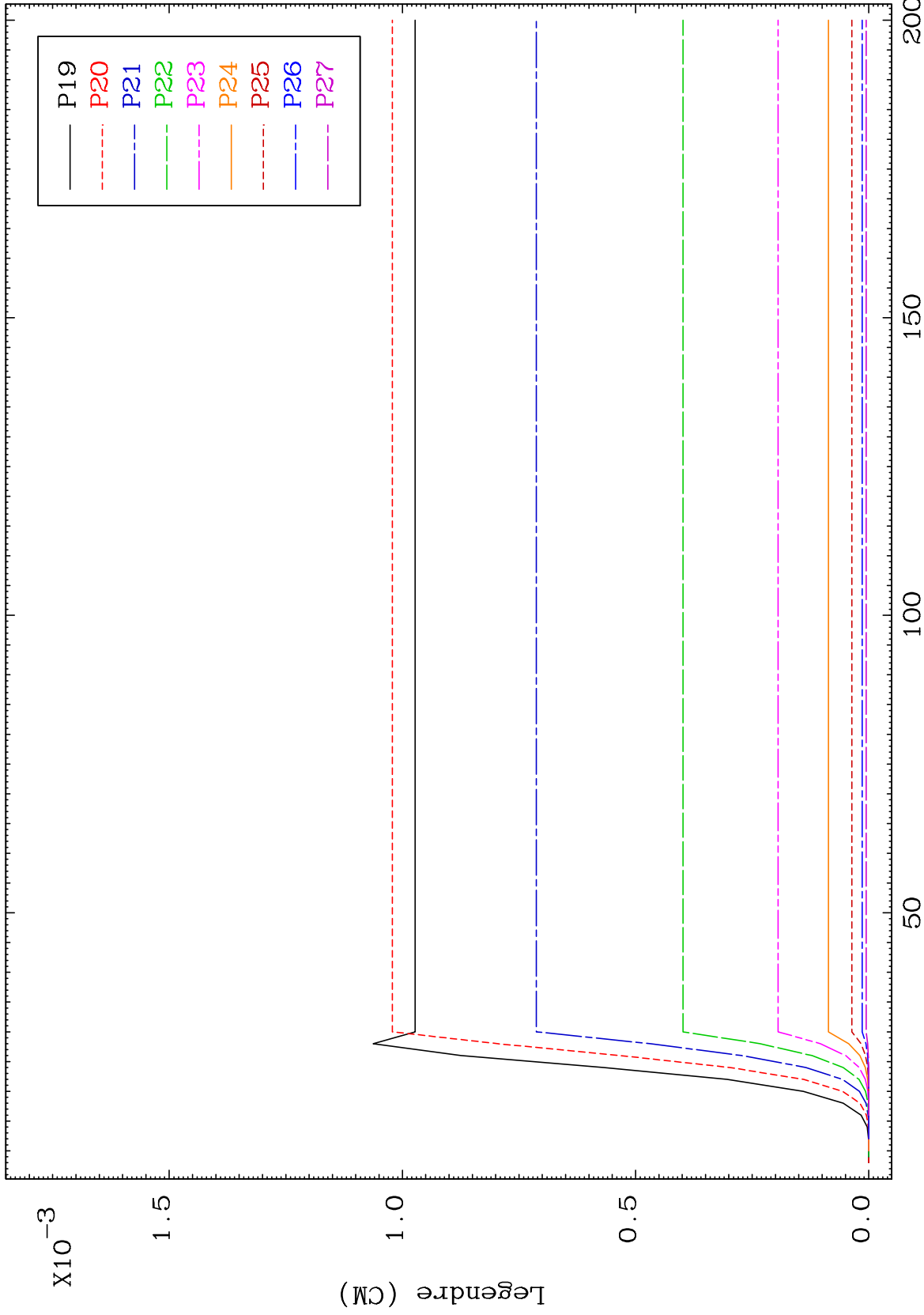
91



MAT 5537

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

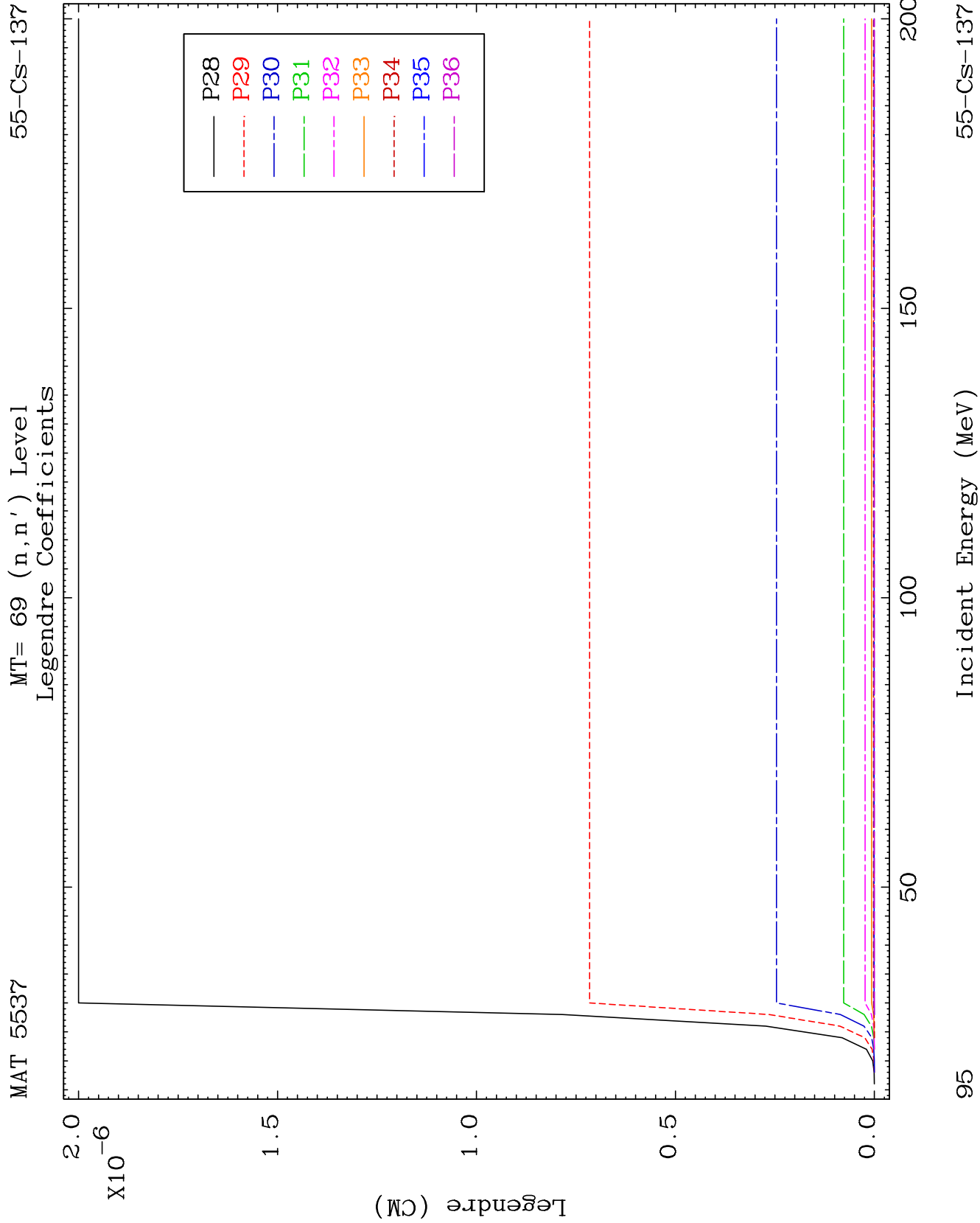
55-Cs-137

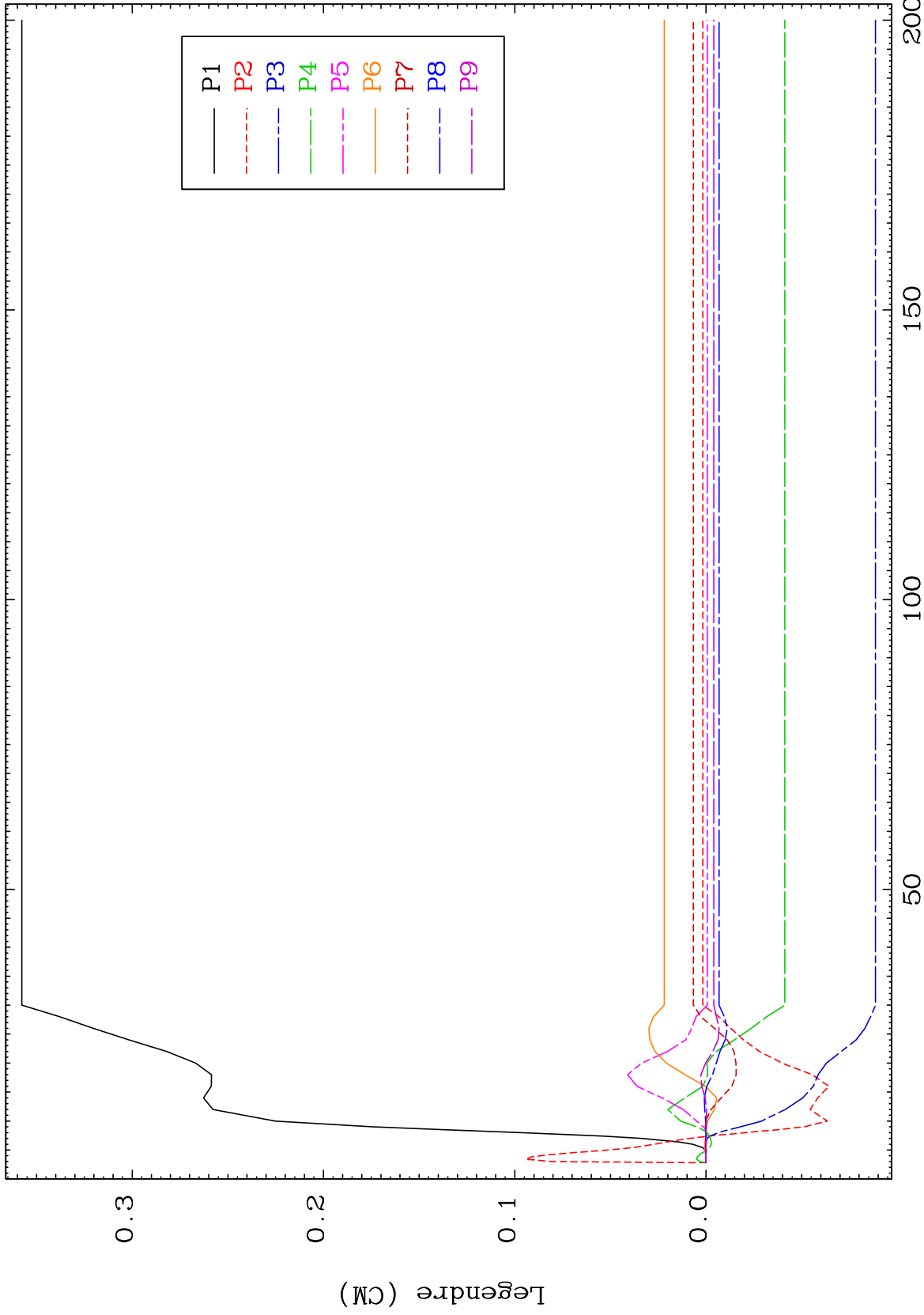


94

Incident Energy (MeV)

55-Cs-137

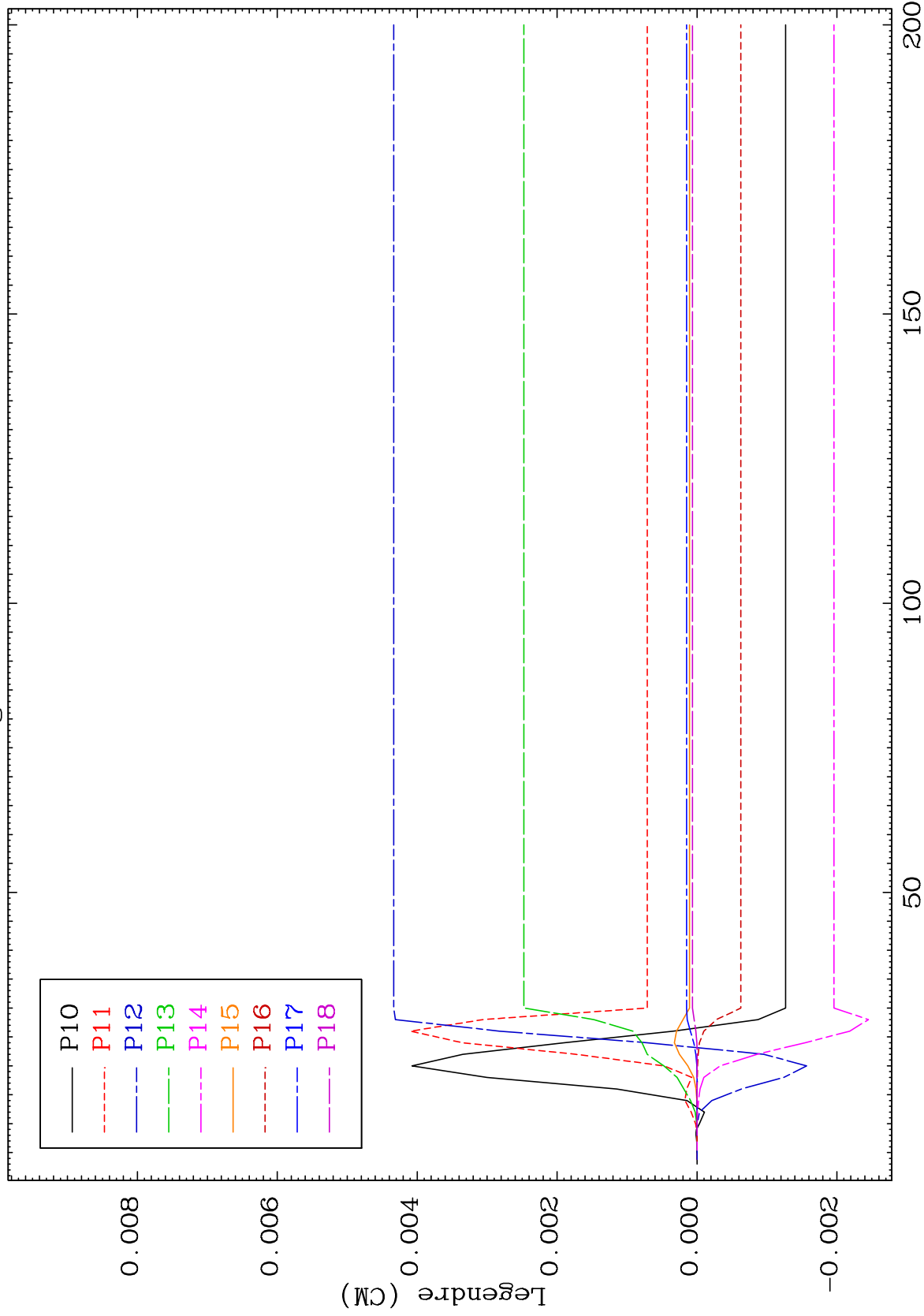




MAT 5537

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

55-Cs-137



97

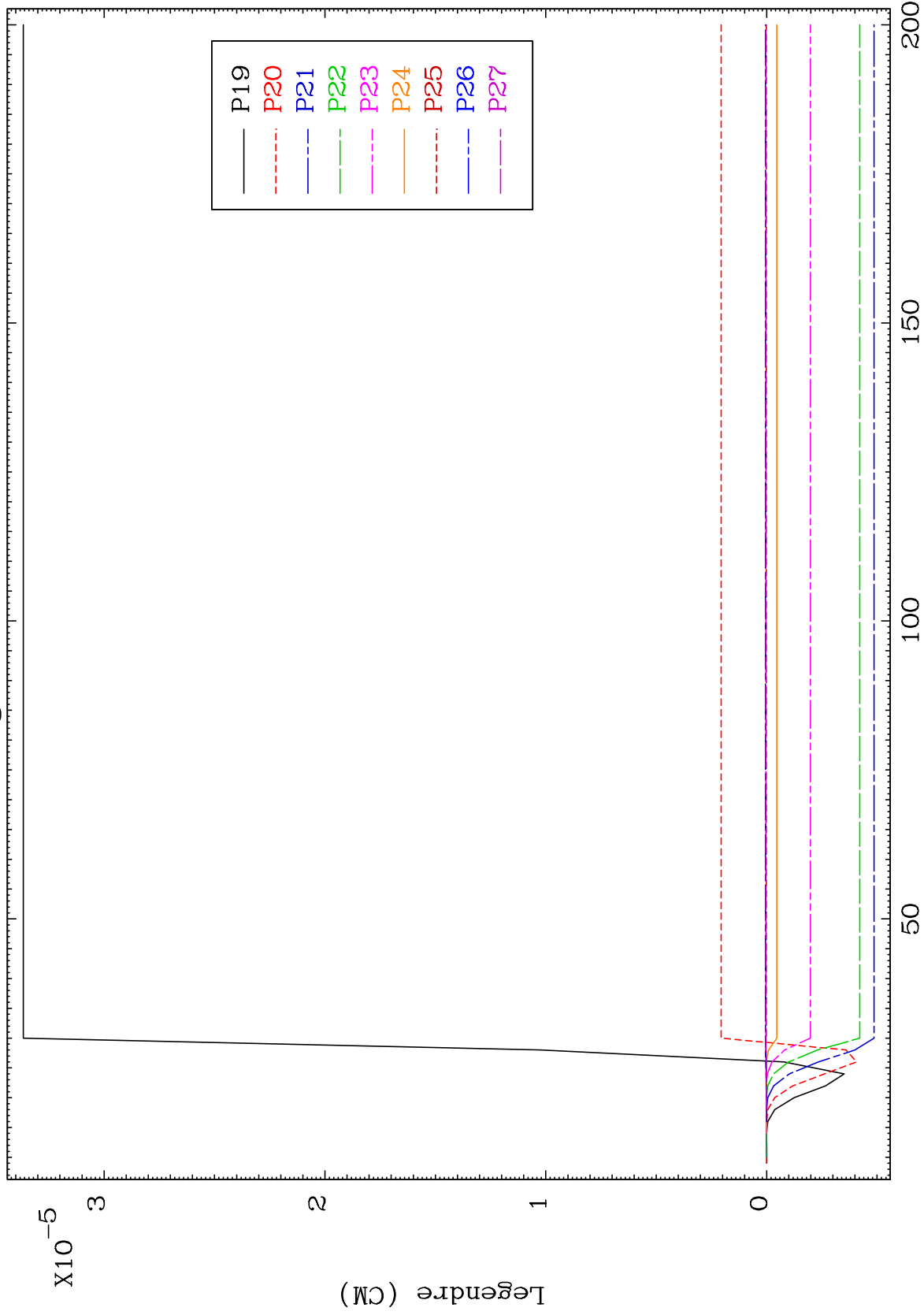
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

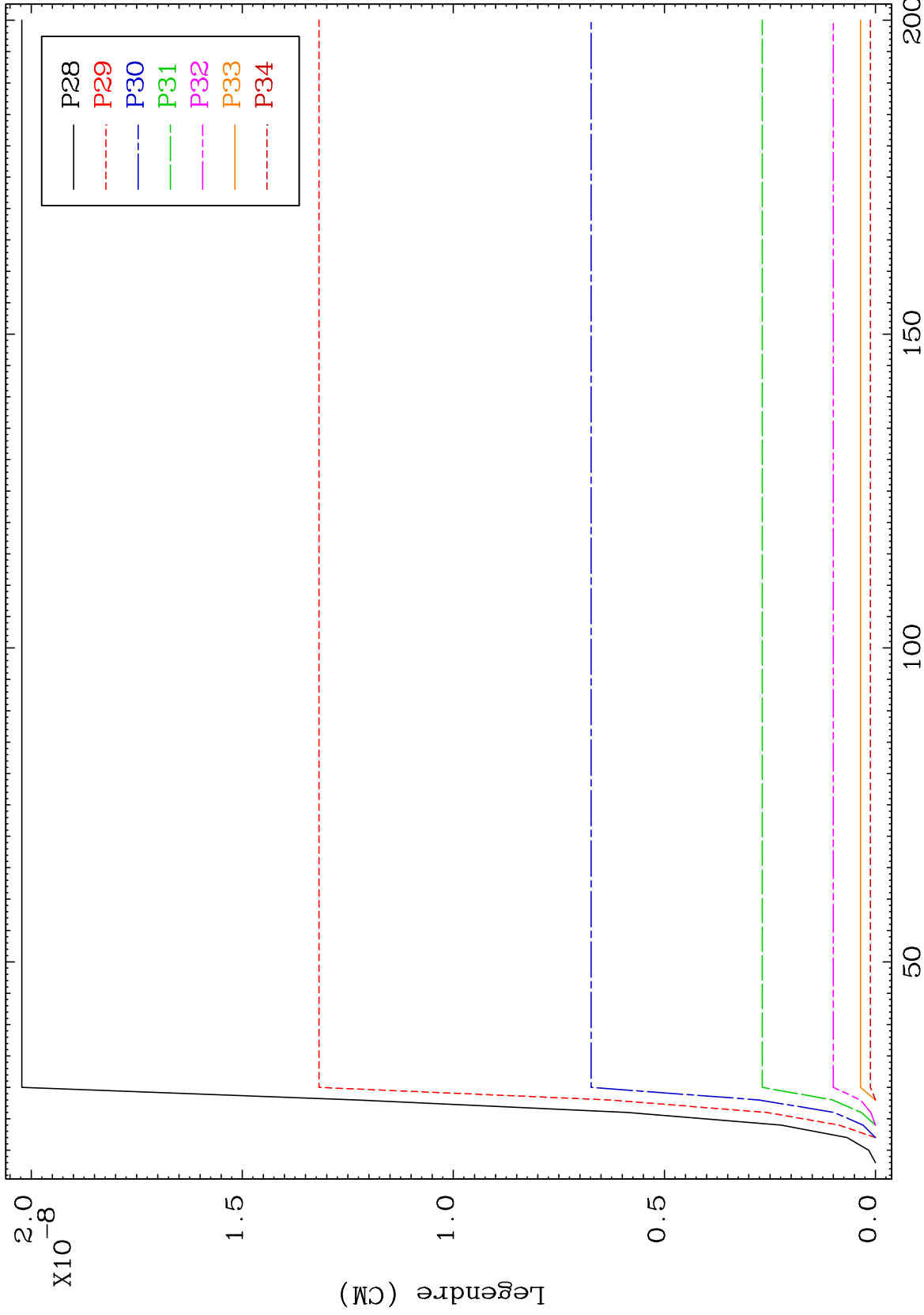
55-Cs-137



98

Incident Energy (MeV)

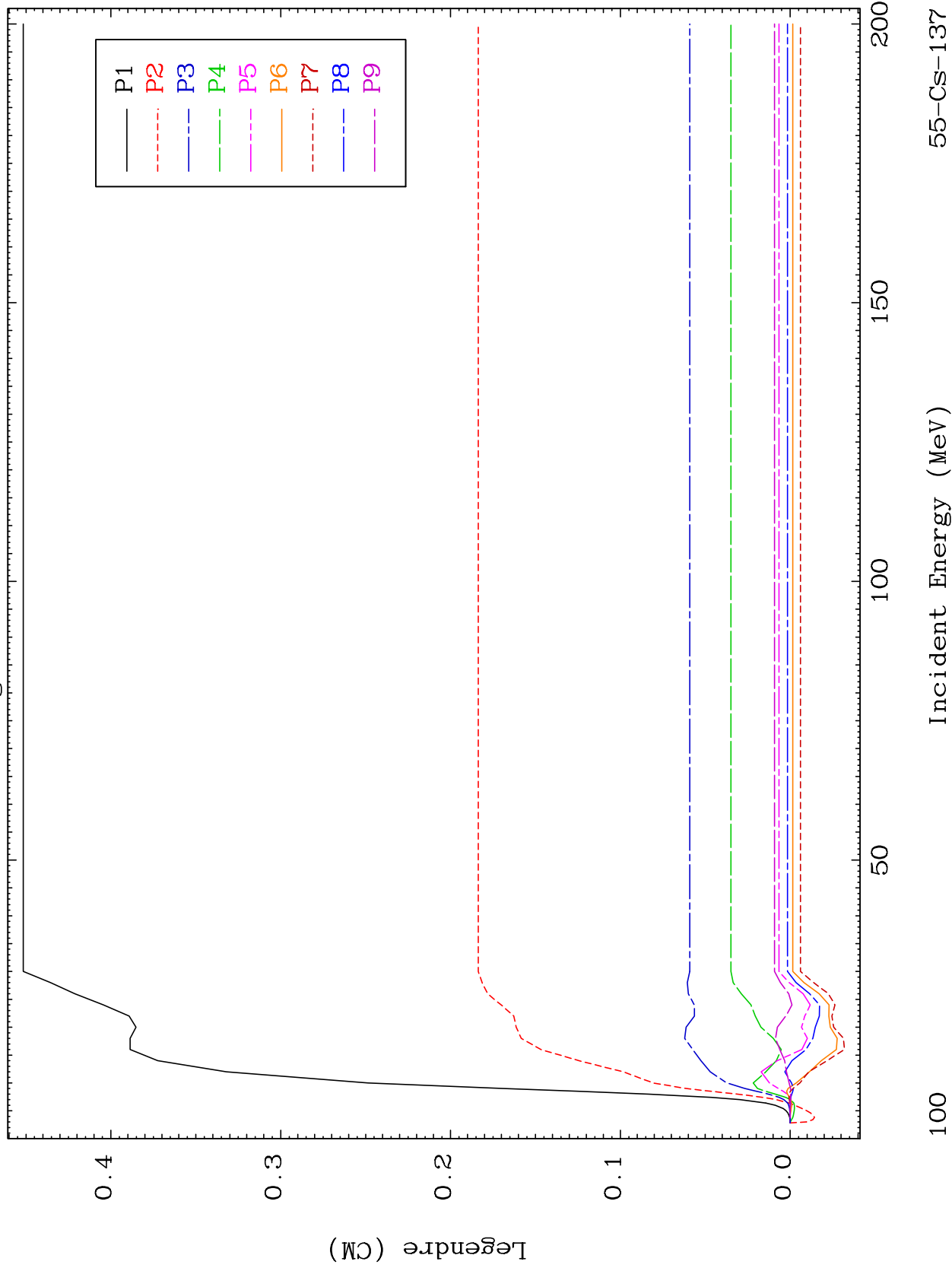
55-Cs-137



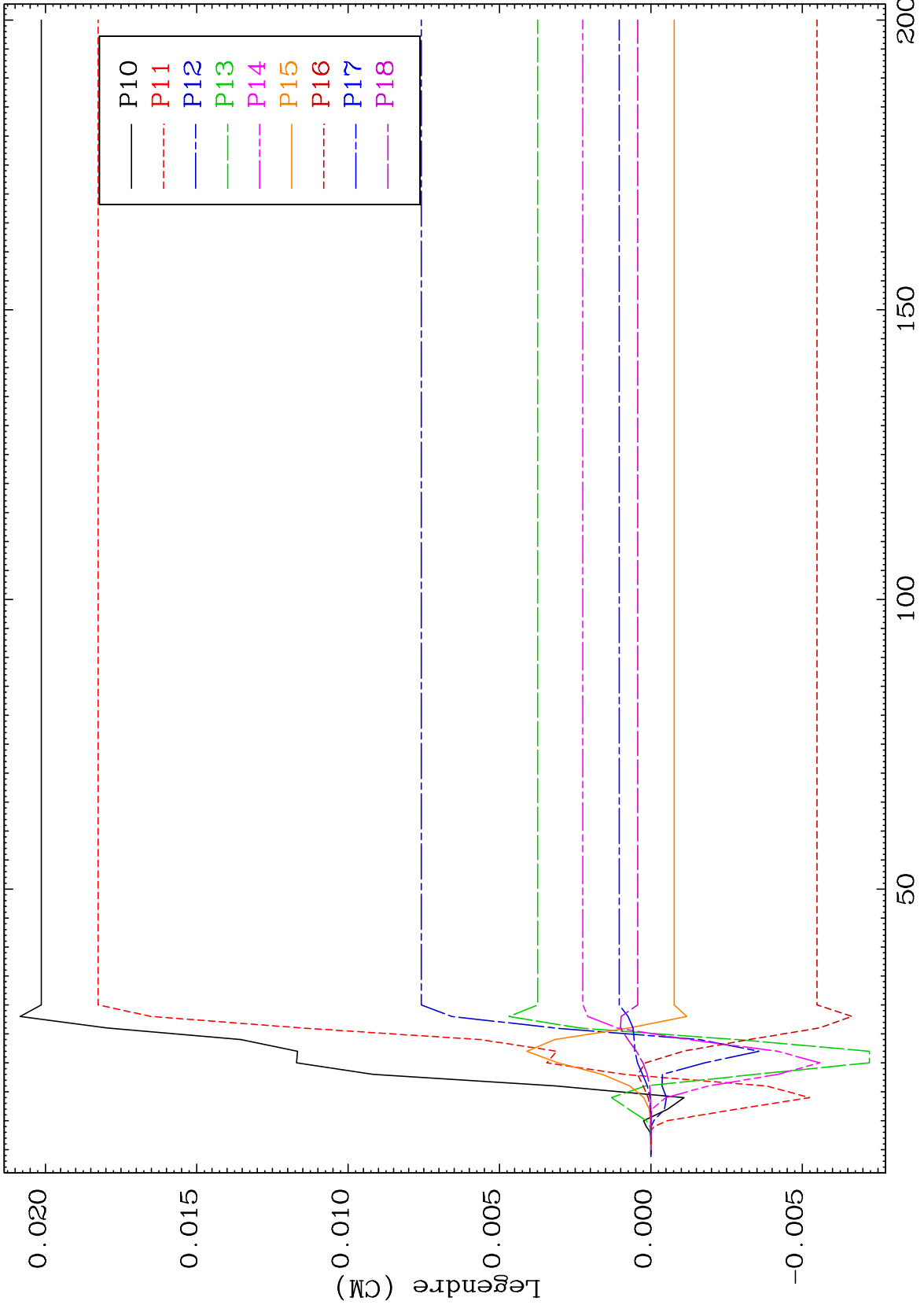
MAT 5537

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

55-Cs-137



MAT 5537 MT= 71 (n,n') Level 55-Cs-137
Legendre Coefficients

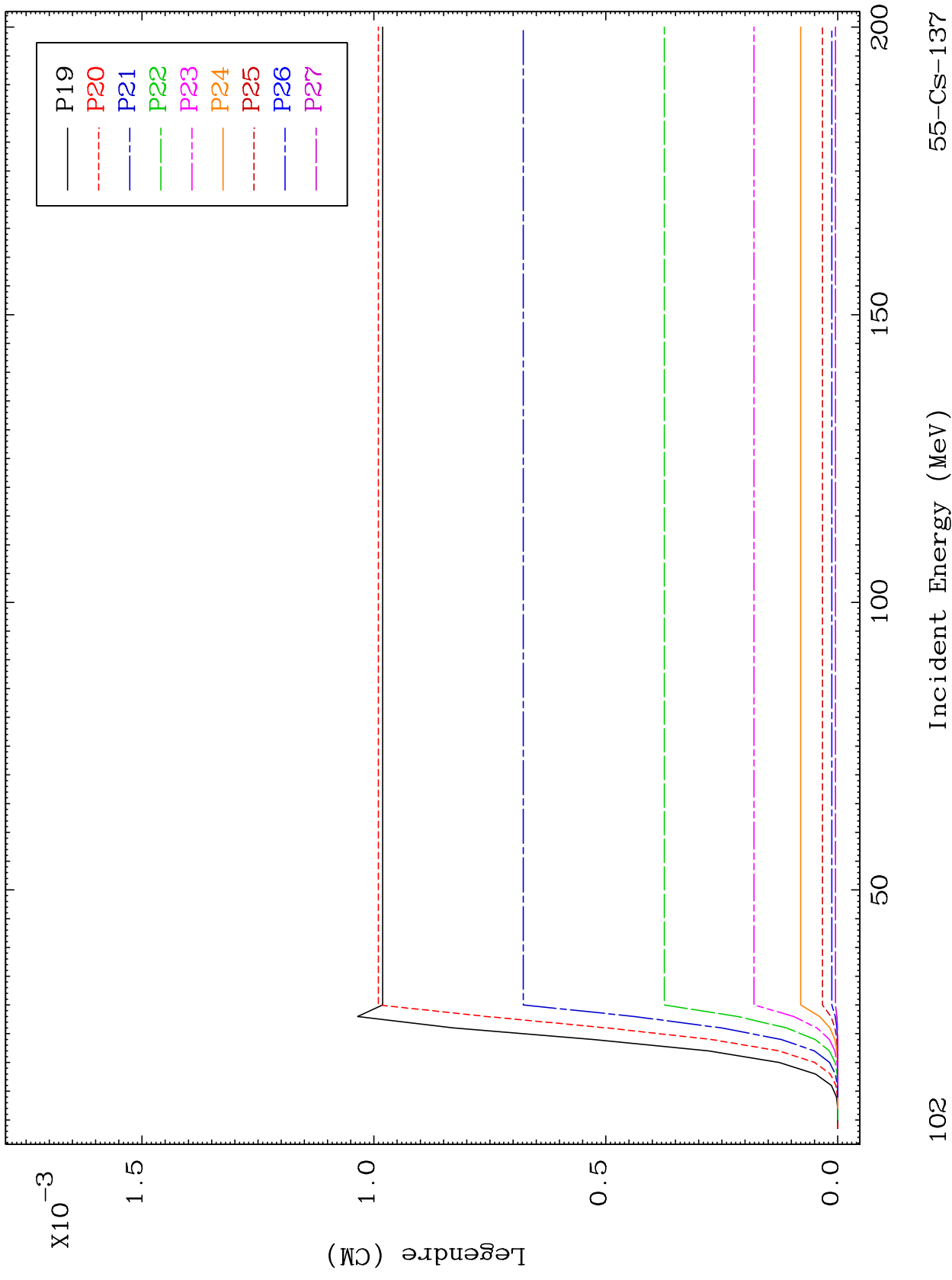


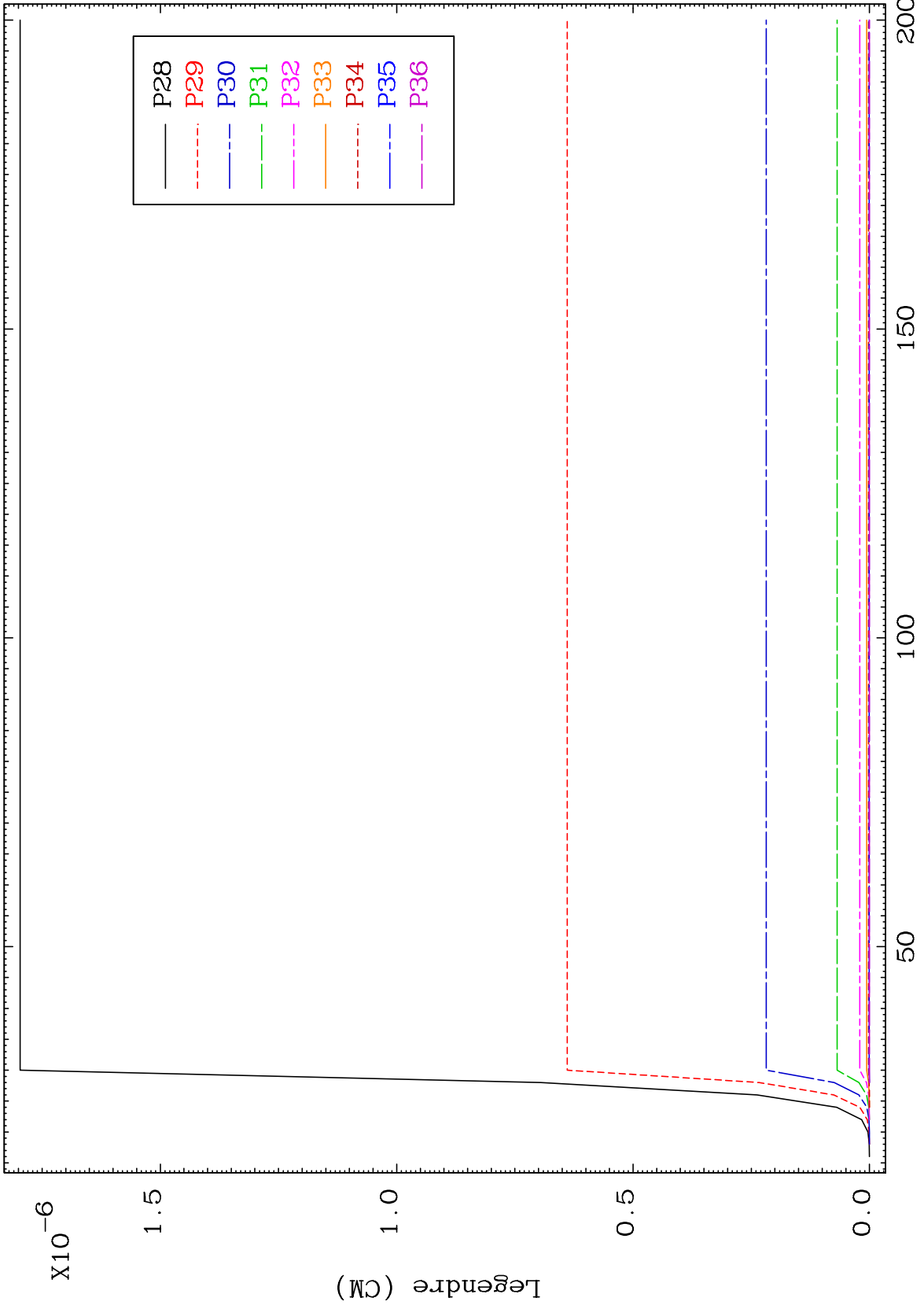
101 Incident Energy (MeV) 55-Cs-137

MAT 5537

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

55-CS-137

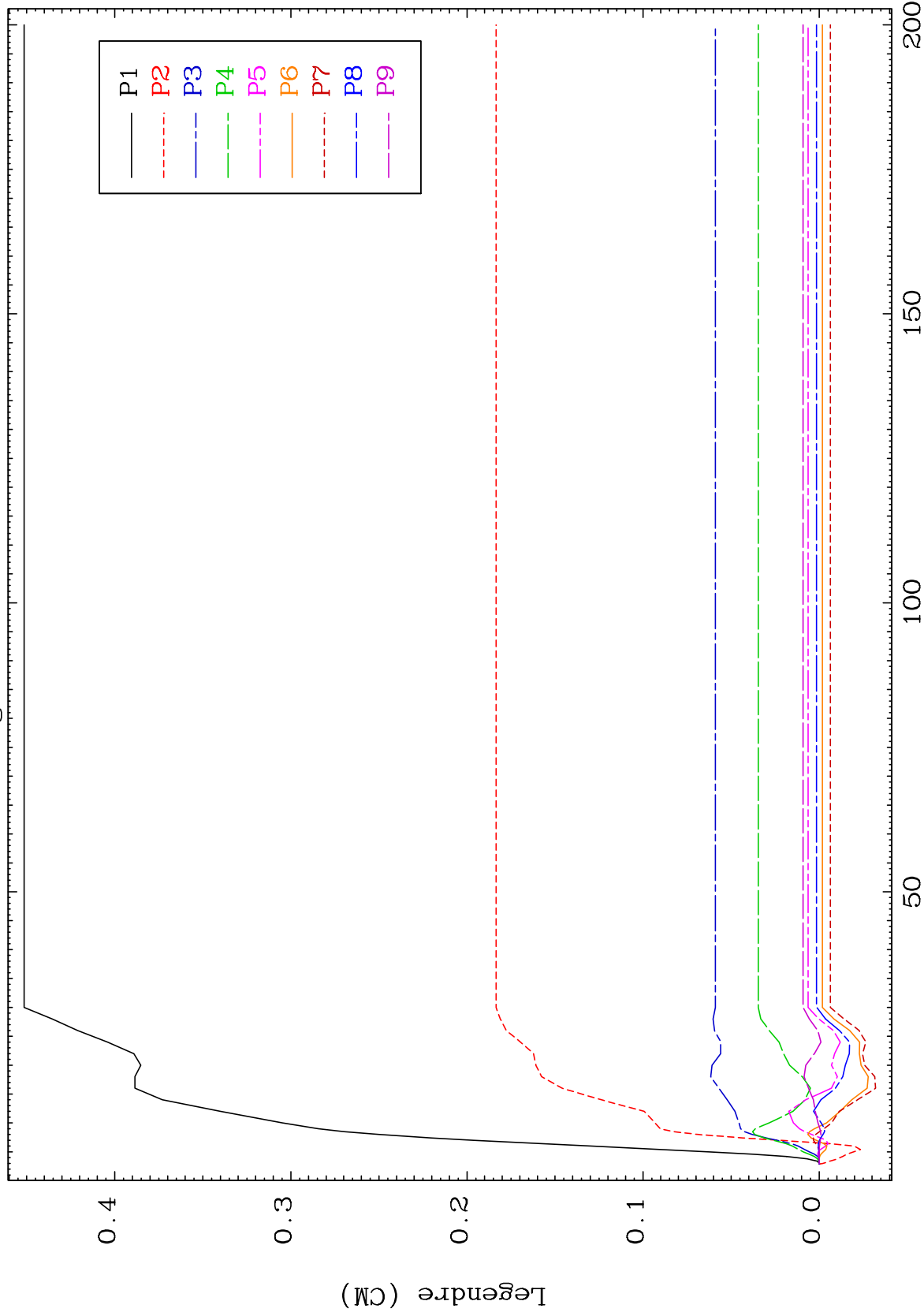




MAT 5537

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

55-Cs-137

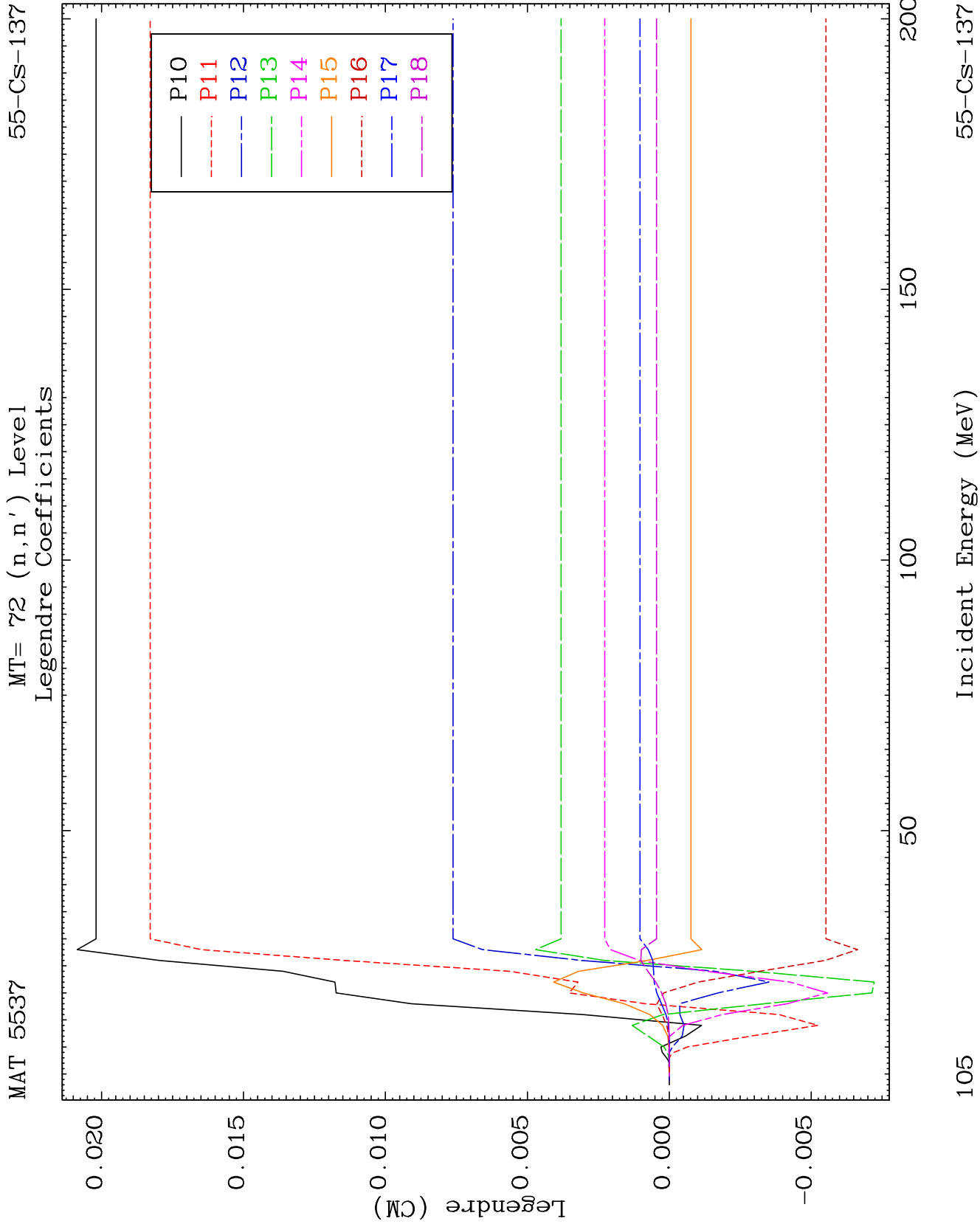


104

Incident Energy (MeV)

150

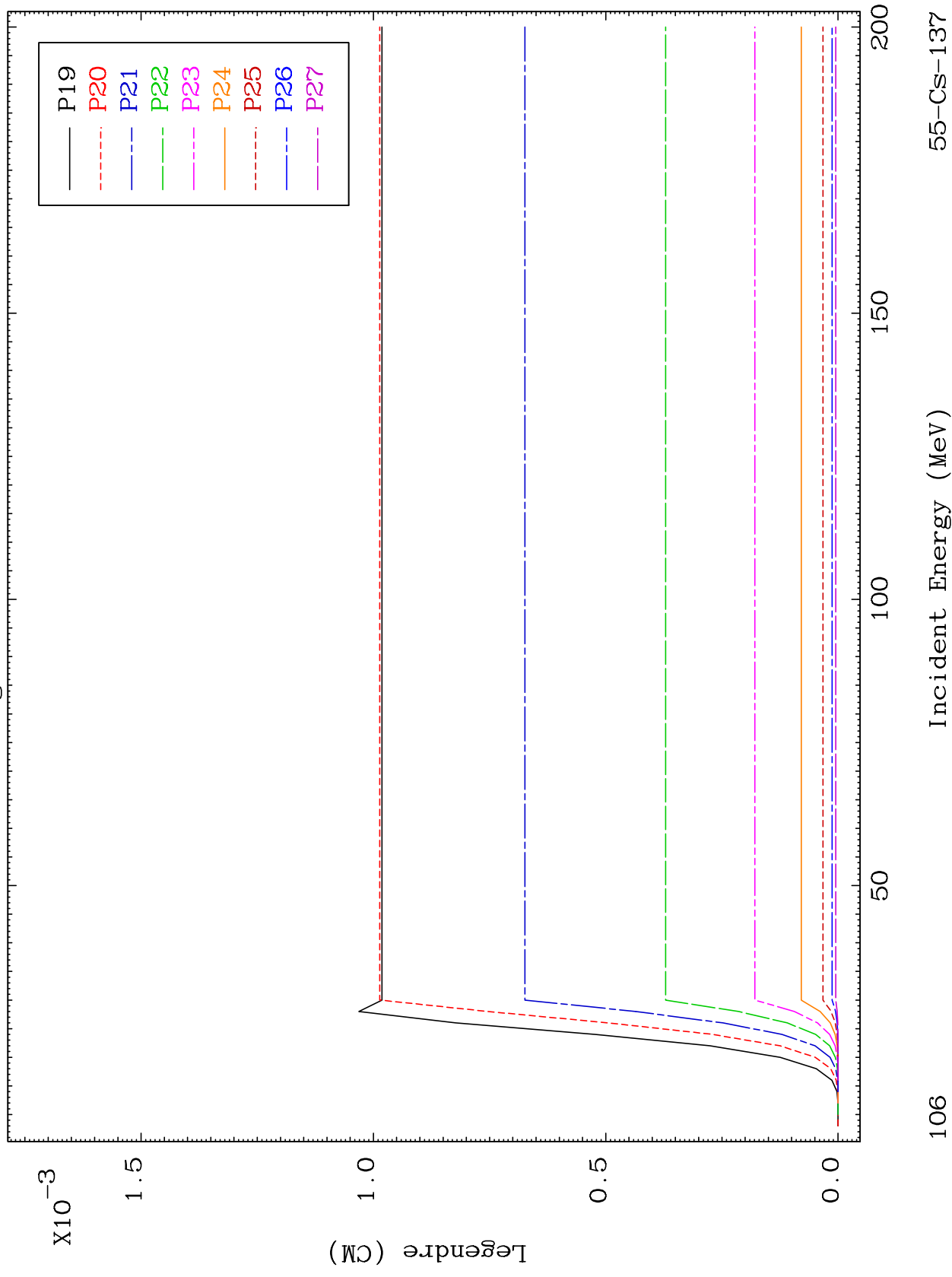
55-Cs-137



MAT 5537

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

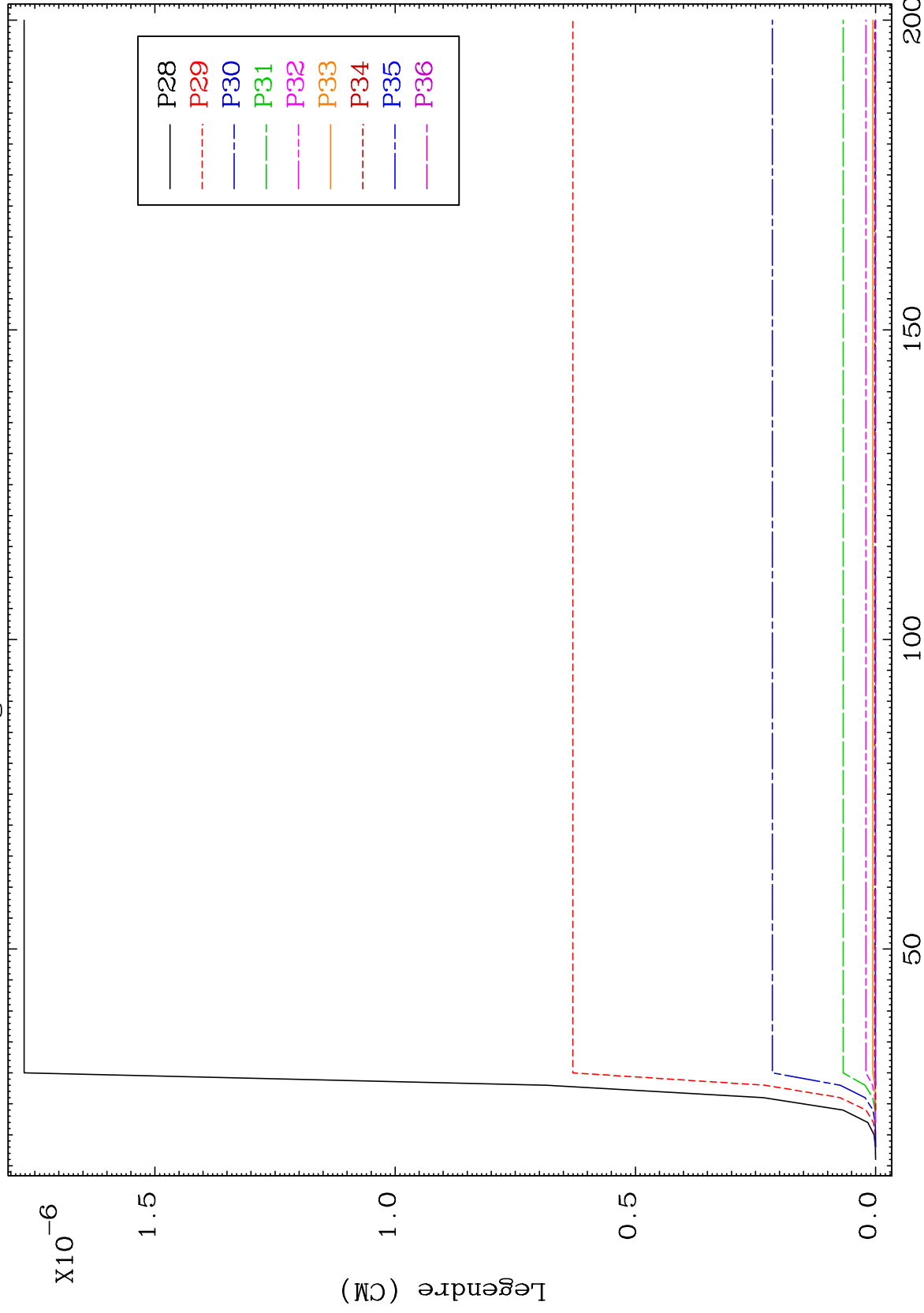
55-CS-137

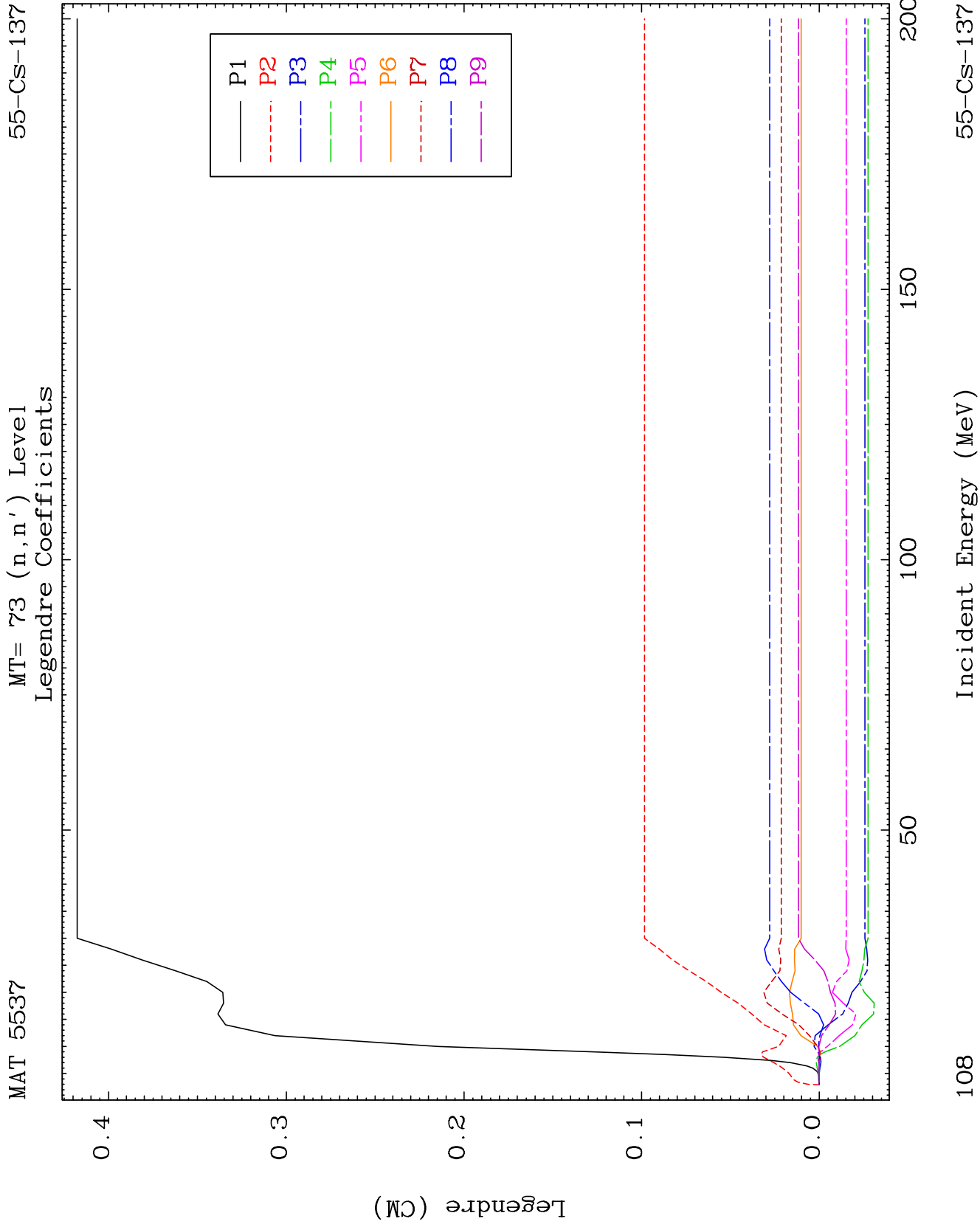


MAT 5537

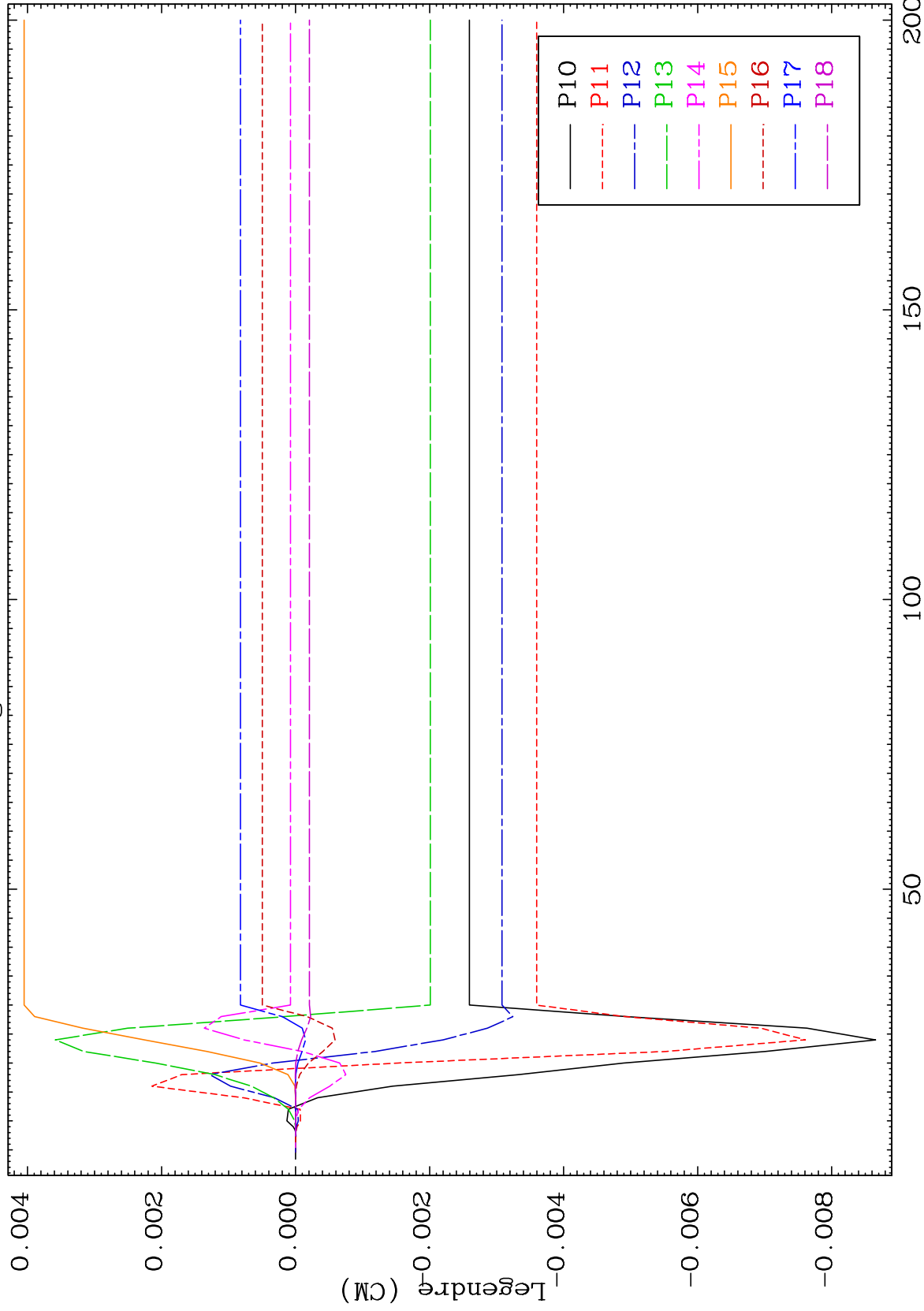
MT= 72 (n,n') Level
Legendre Coefficients

55-Cs-137

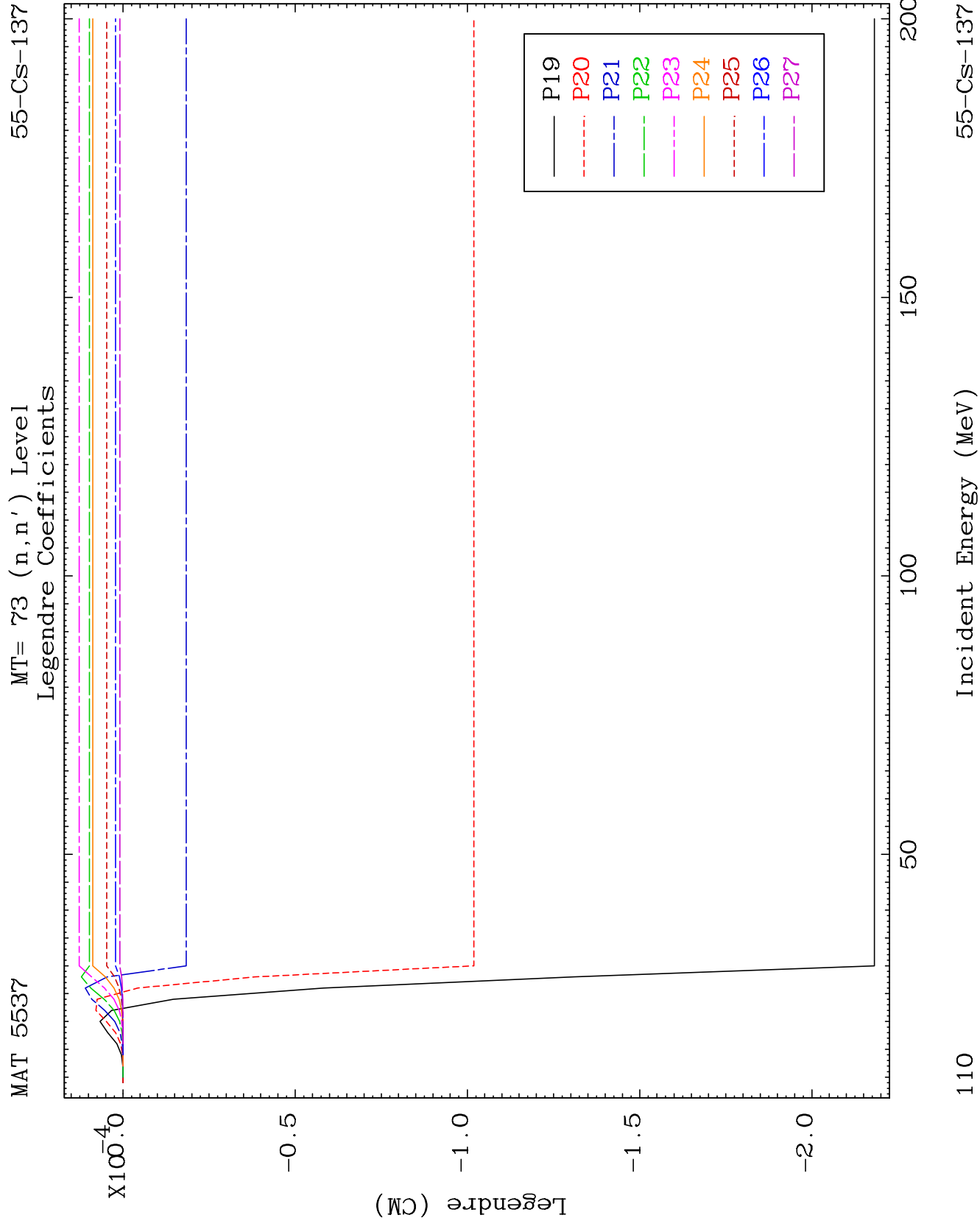


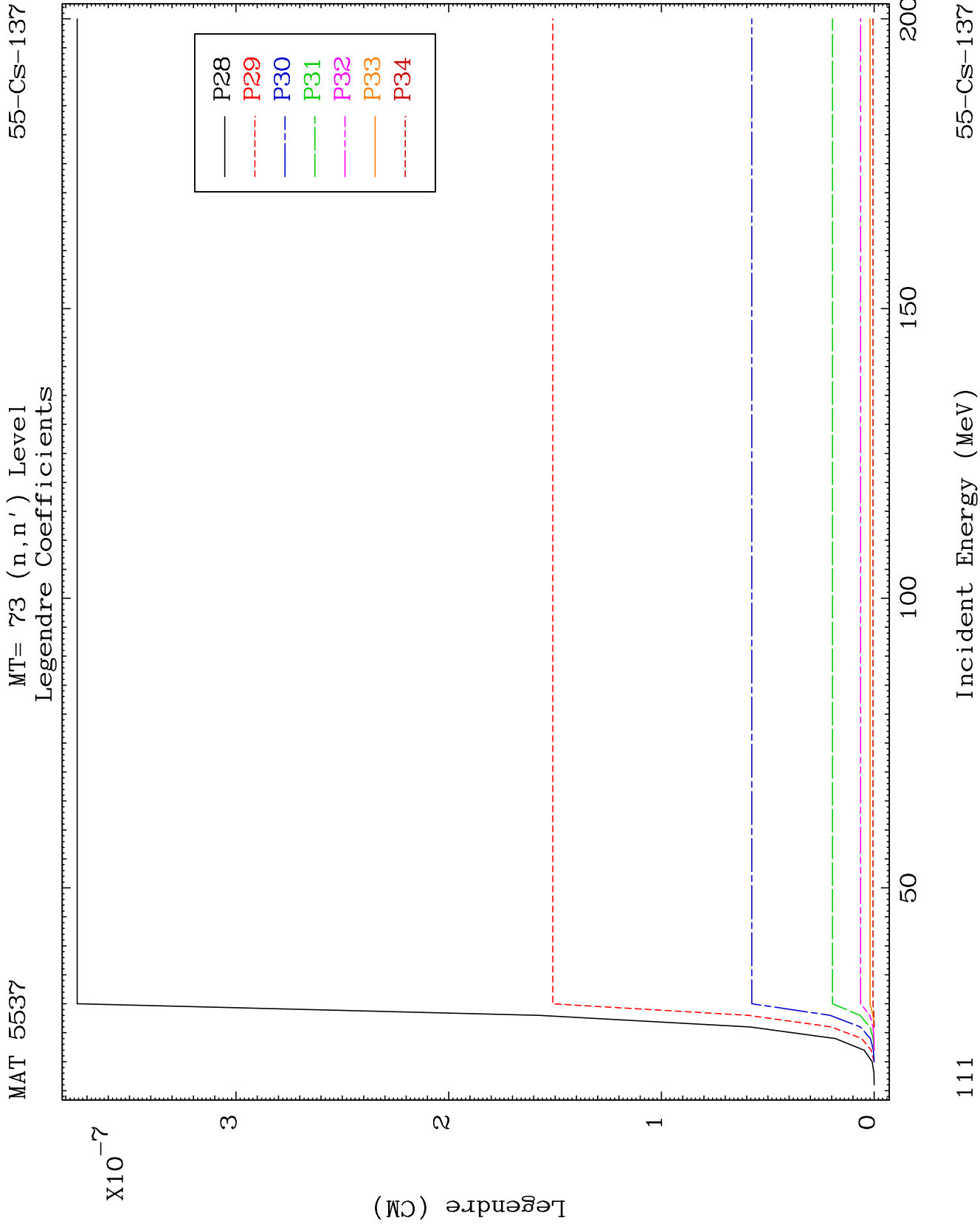


MAT 5537 MT= 73 (n,n') Level Legendre Coefficients 55-Cs-137



Incident Energy (MeV) 55-Cs-137

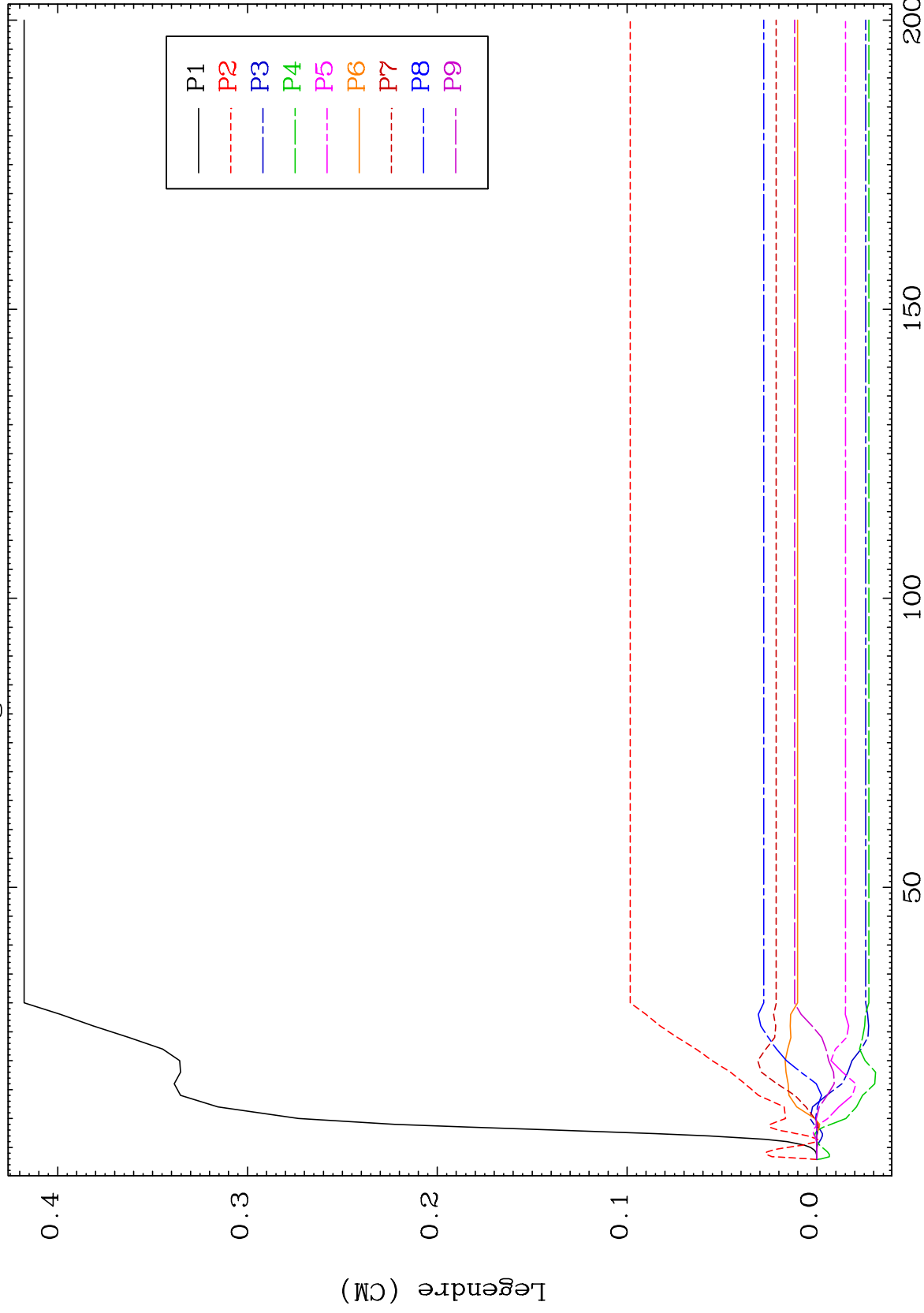




MAT 5537

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

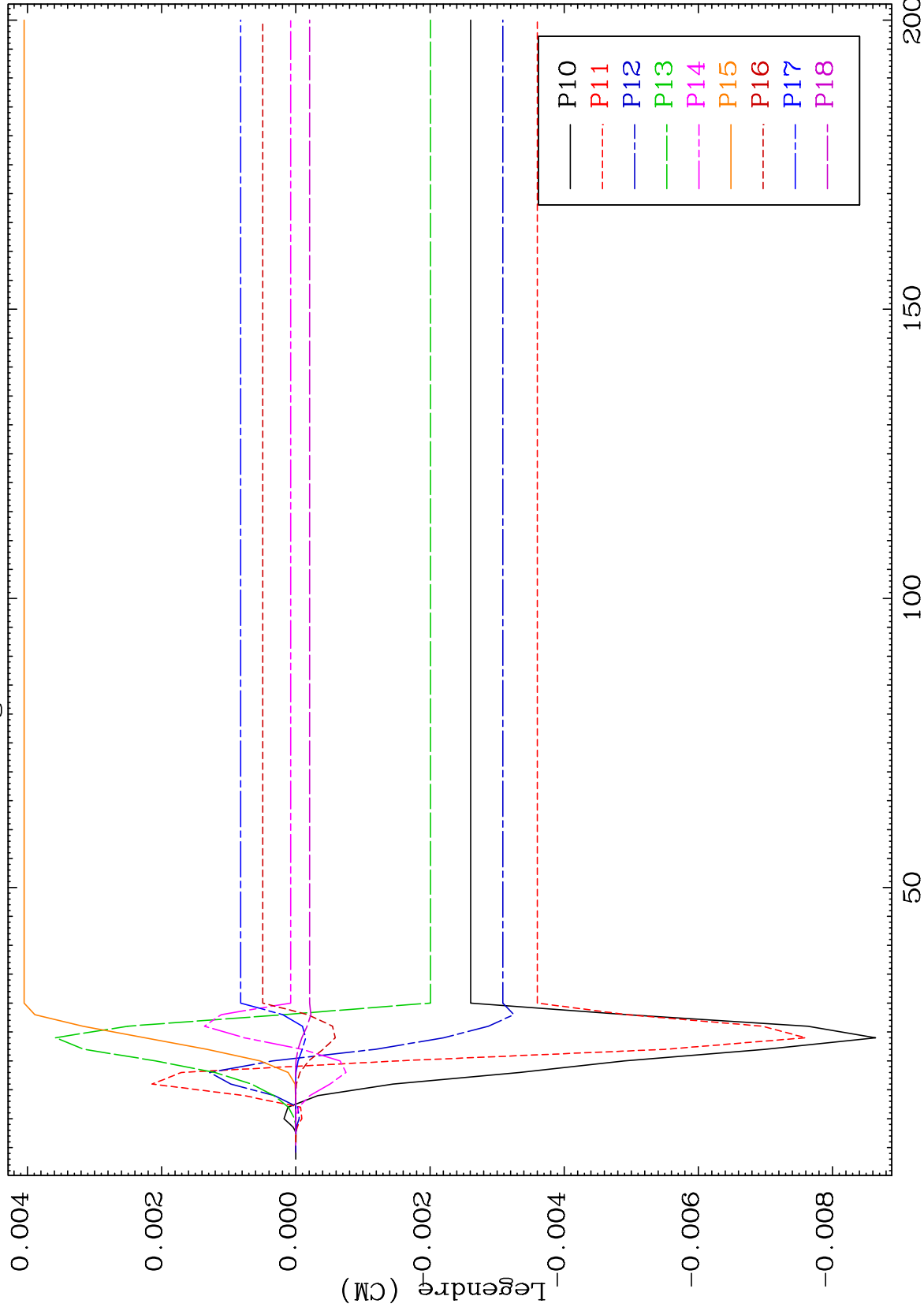
55-Cs-137

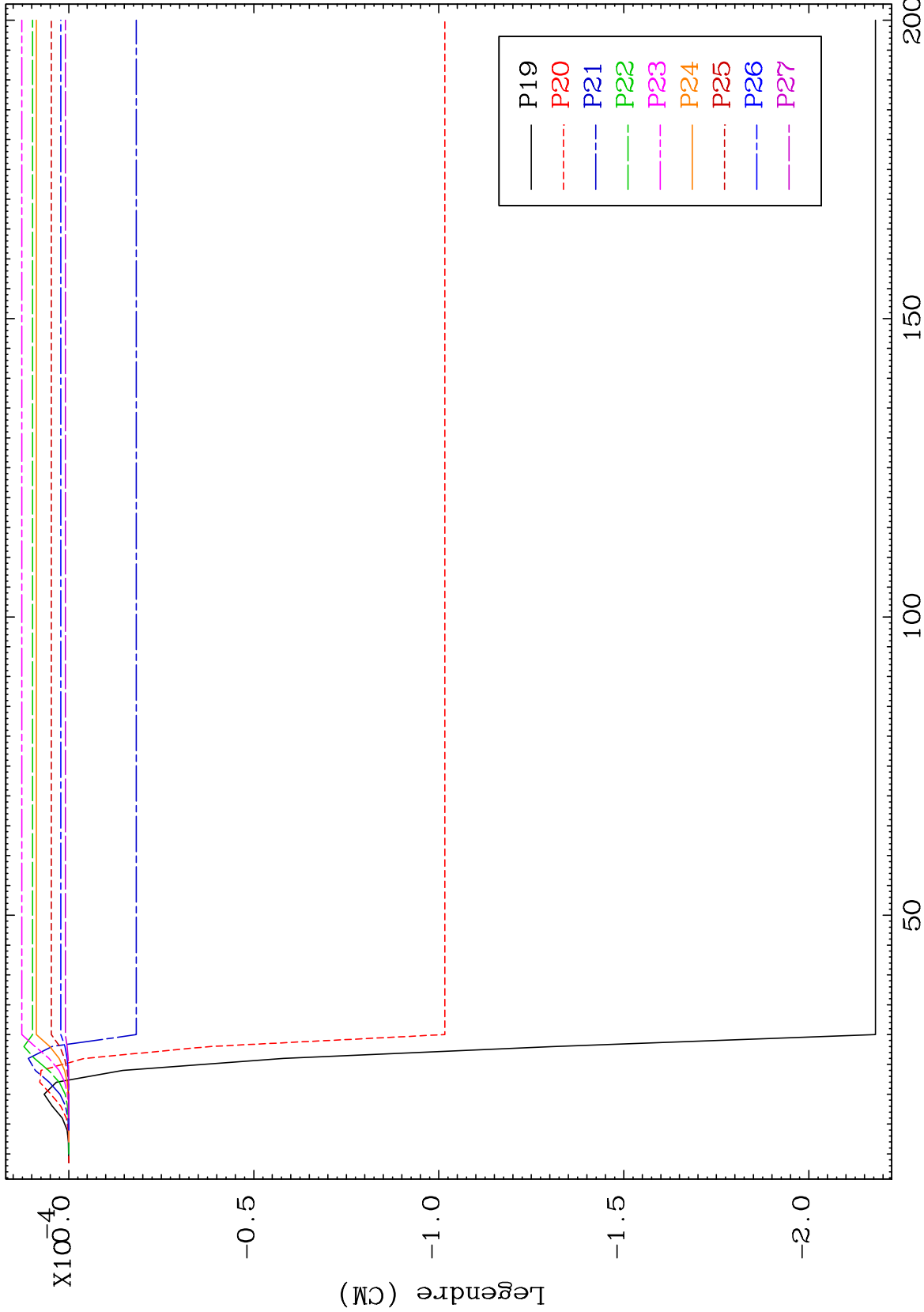


112

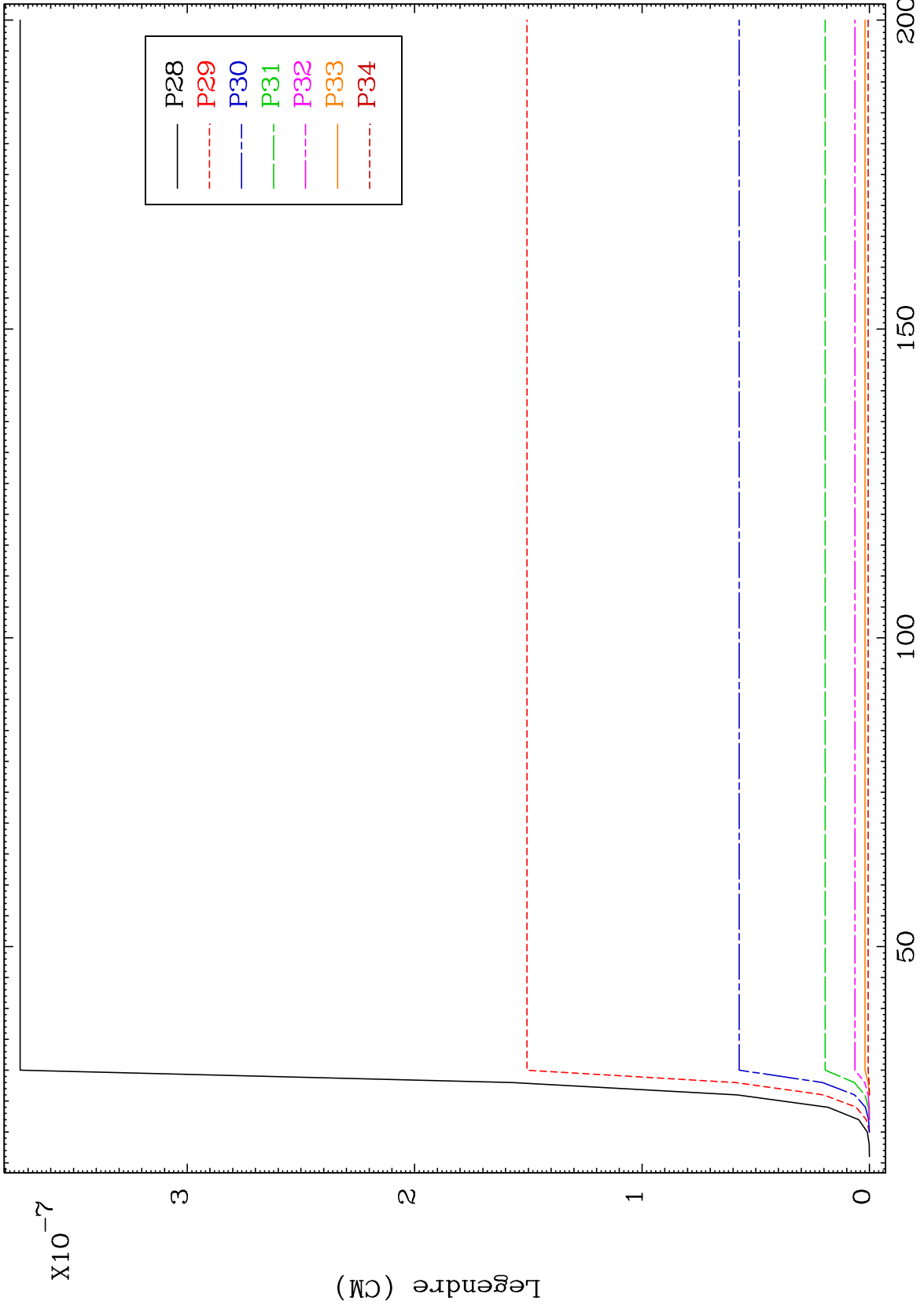
55-Cs-137

MAT 5537 MT= 74 (n,n') Level Legendre Coefficients 55-Cs-137

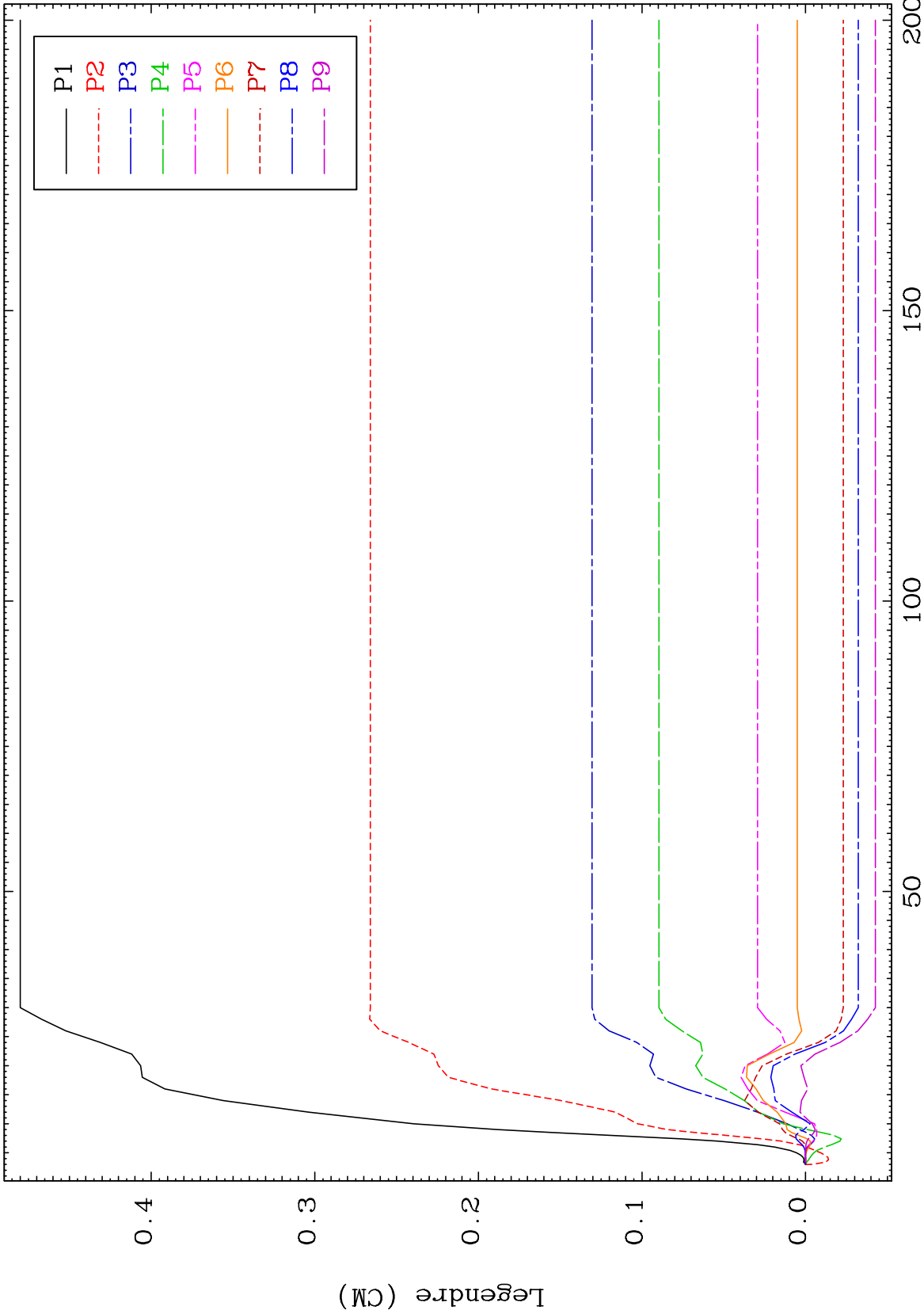


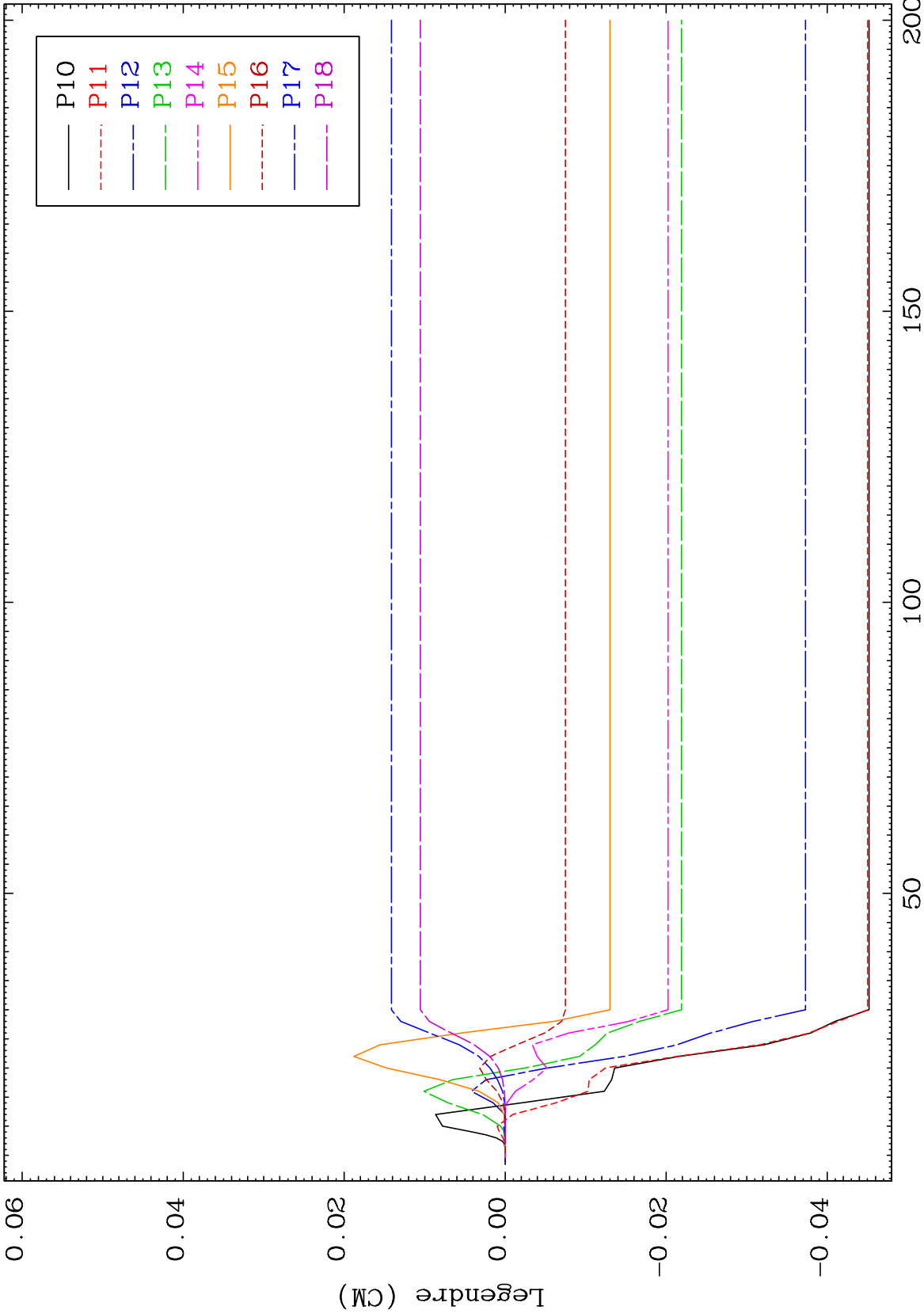


MAT 5537 MT= 74 (n,n') Level Legendre Coefficients 55-Cs-137



115 50 100 150 200 55-Cs-137

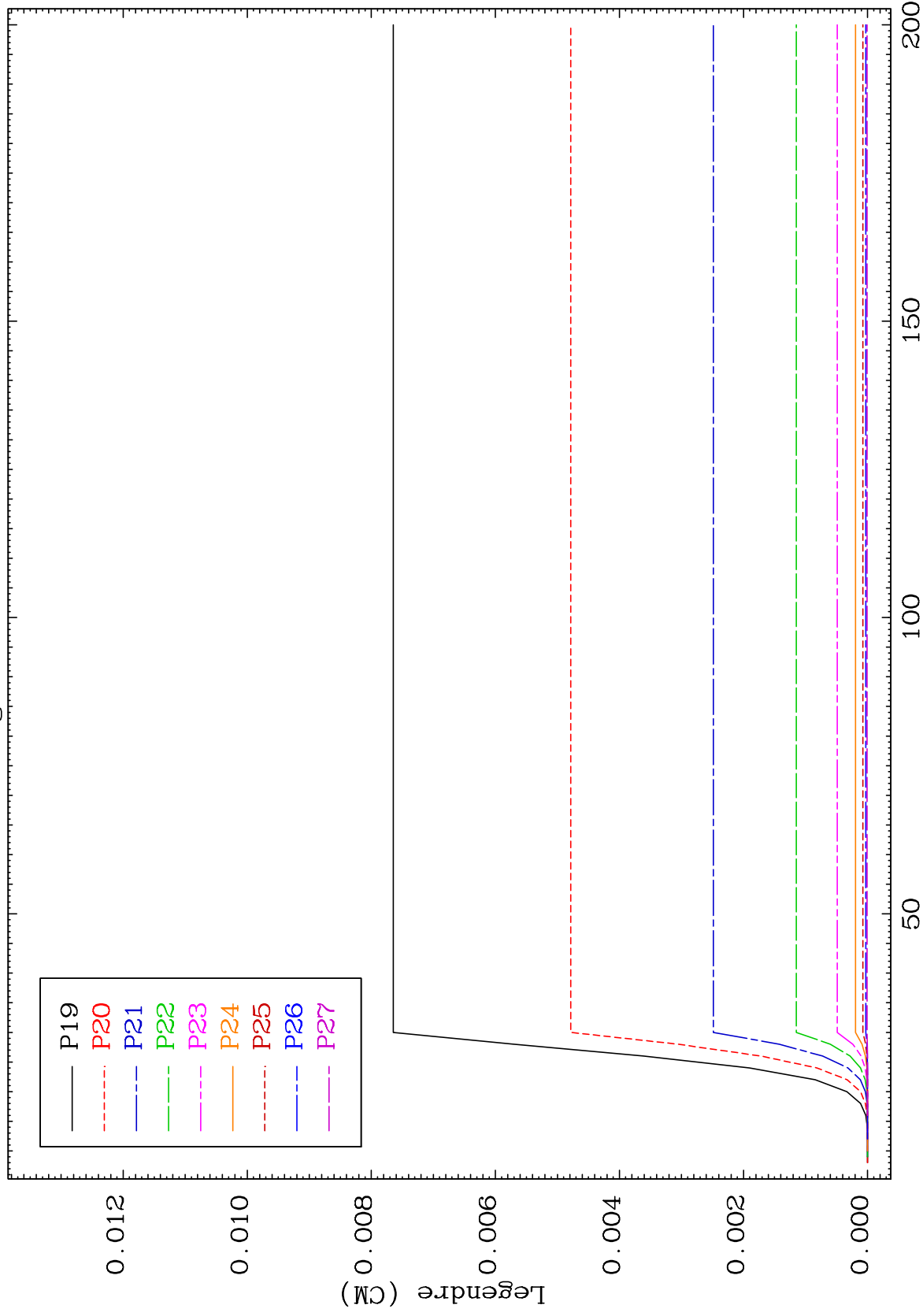




MAT 5537

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

55-Cs-137



118

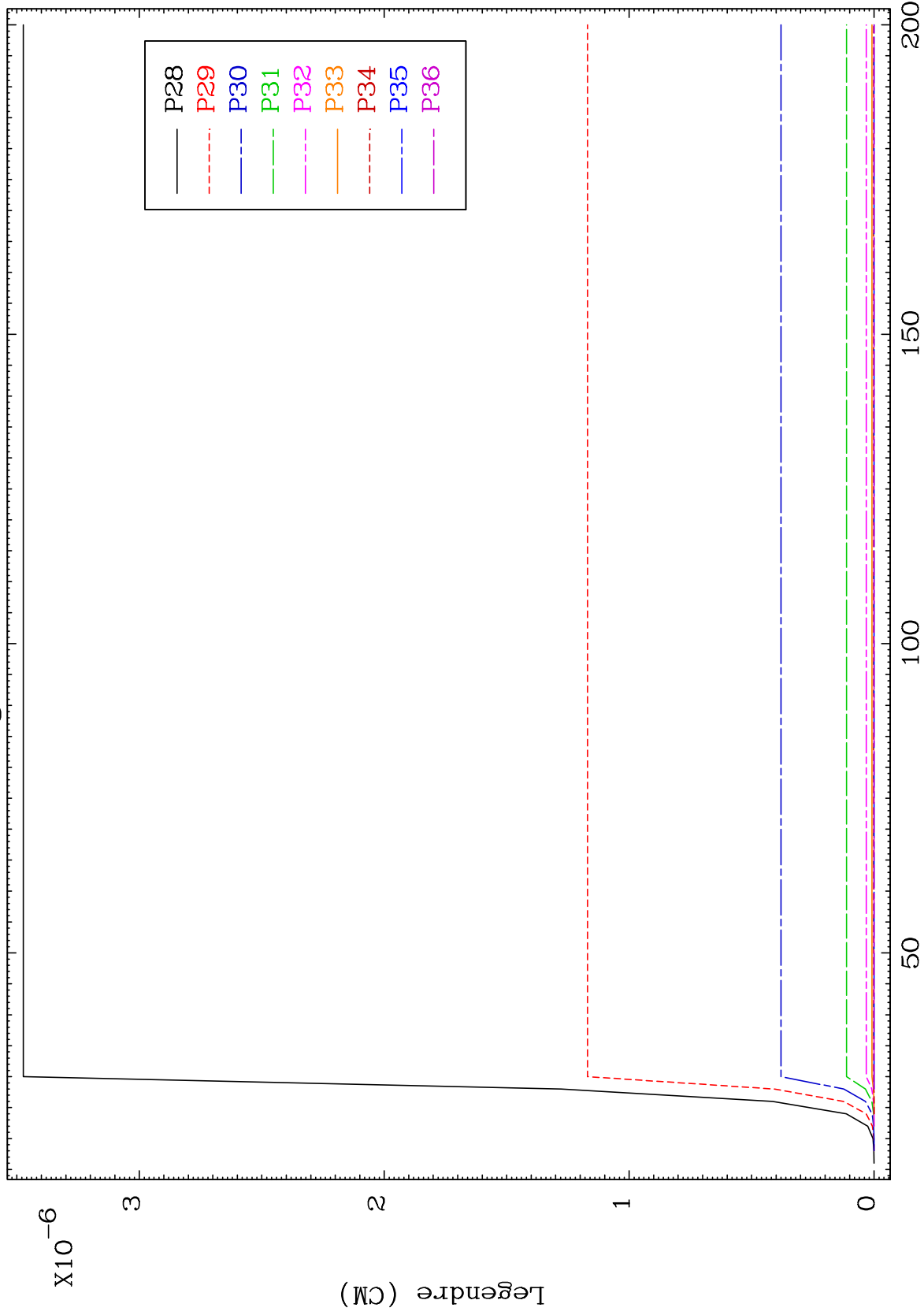
Incident Energy (MeV)

55-Cs-137

MAT 5537

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

55-Cs-137



119

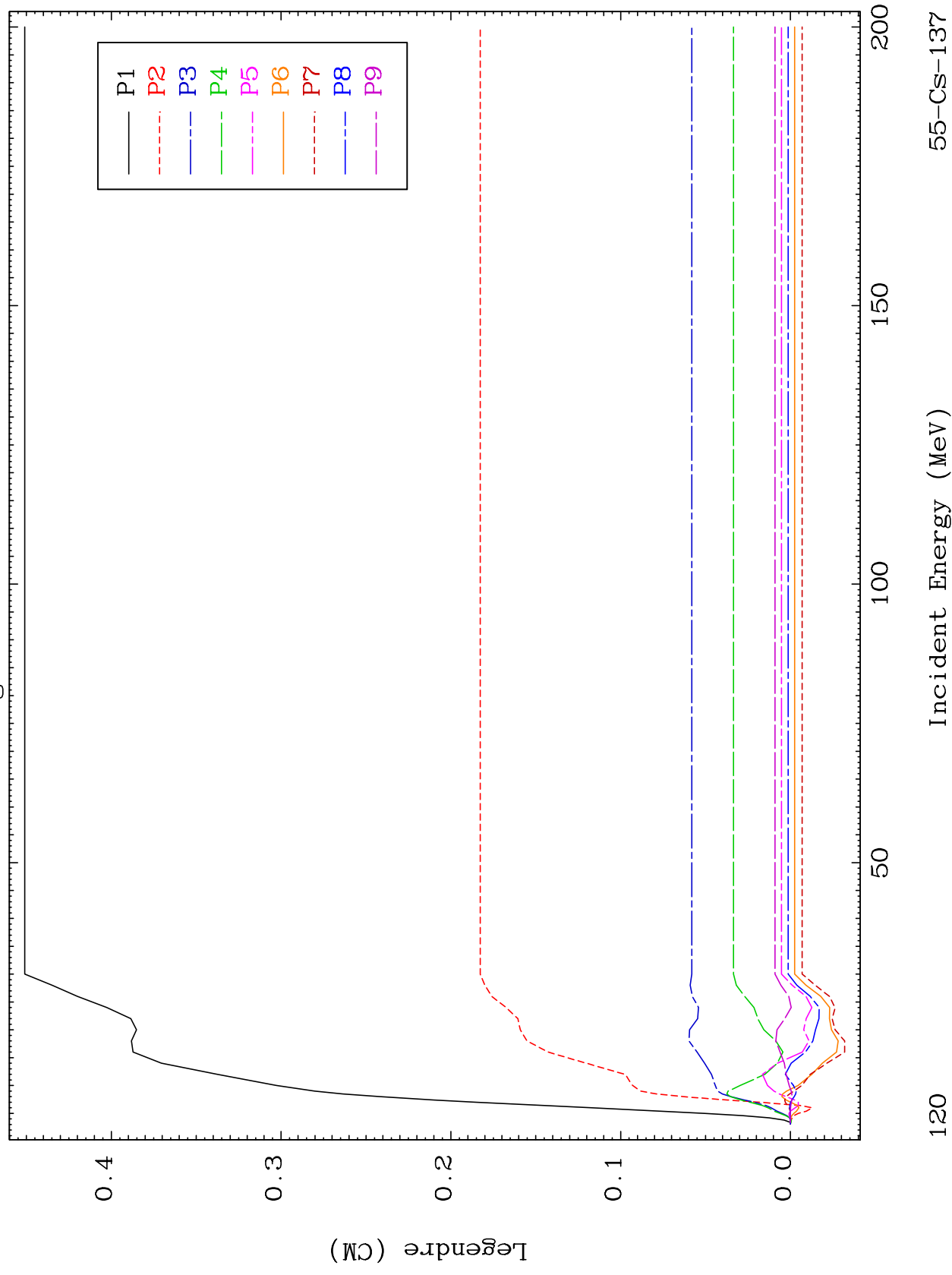
Incident Energy (MeV)

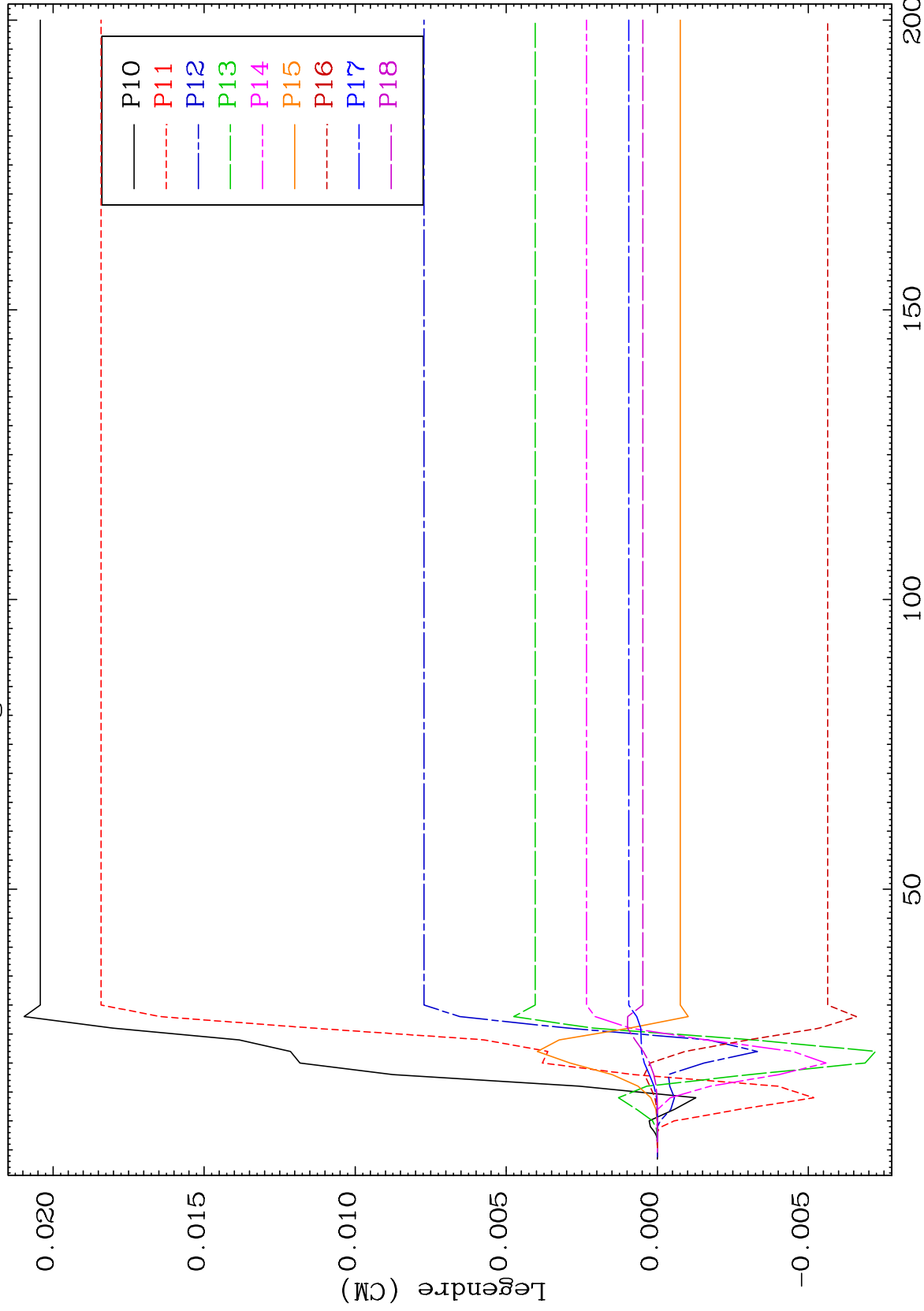
55-Cs-137

MAT 5537

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

55-CS-137

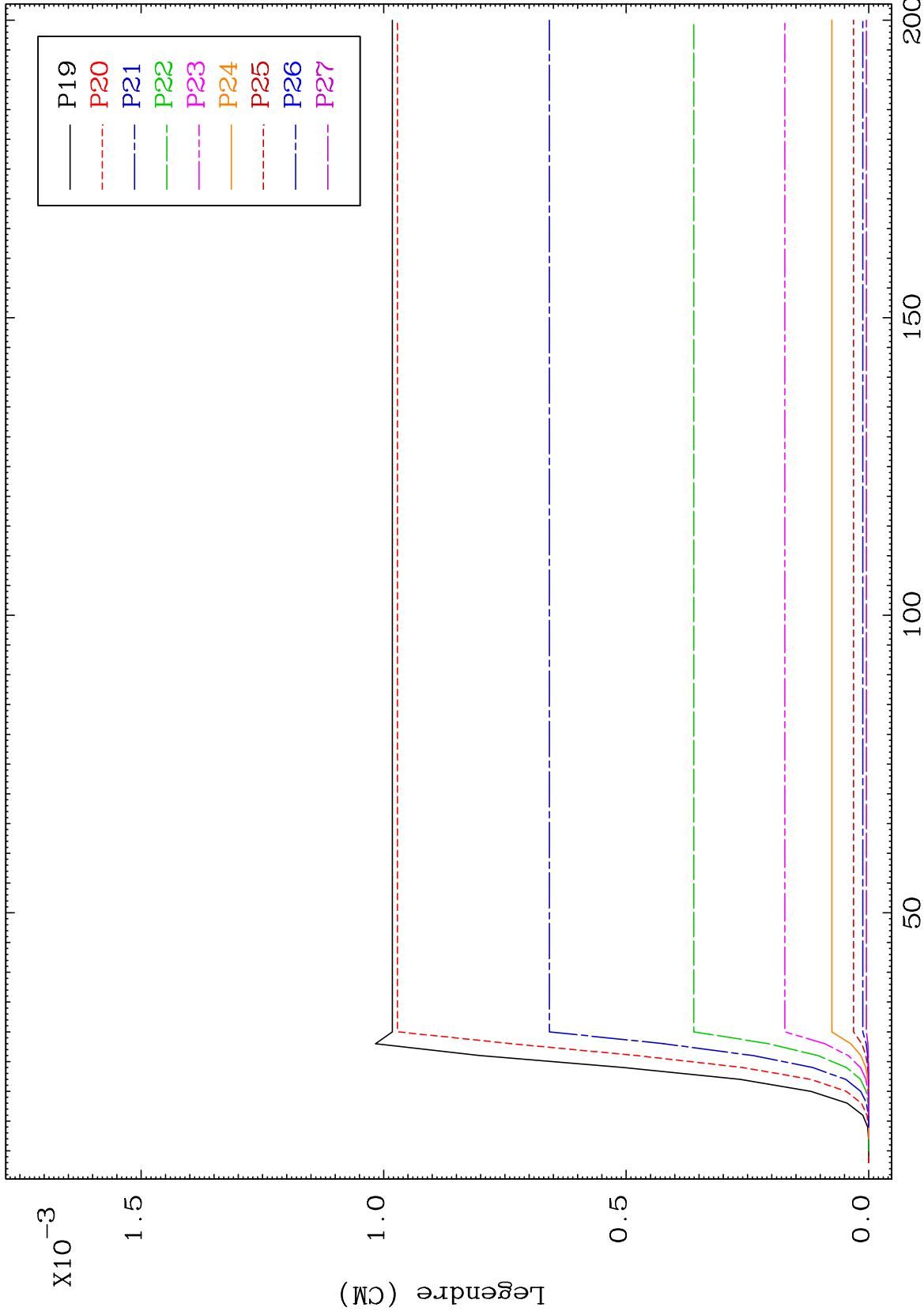




MAT 5537

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

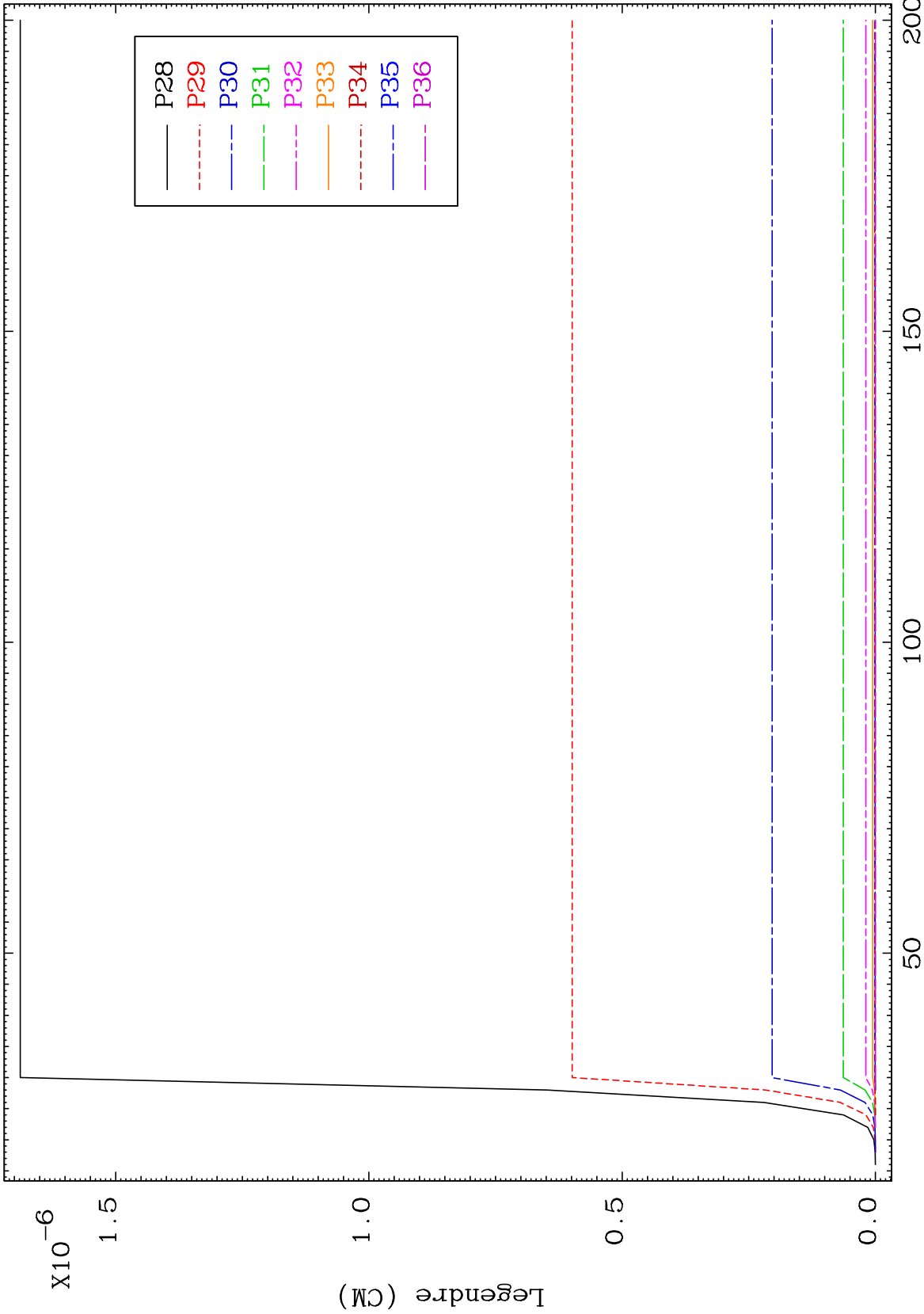
55-Cs-137



122

Incident Energy (MeV)

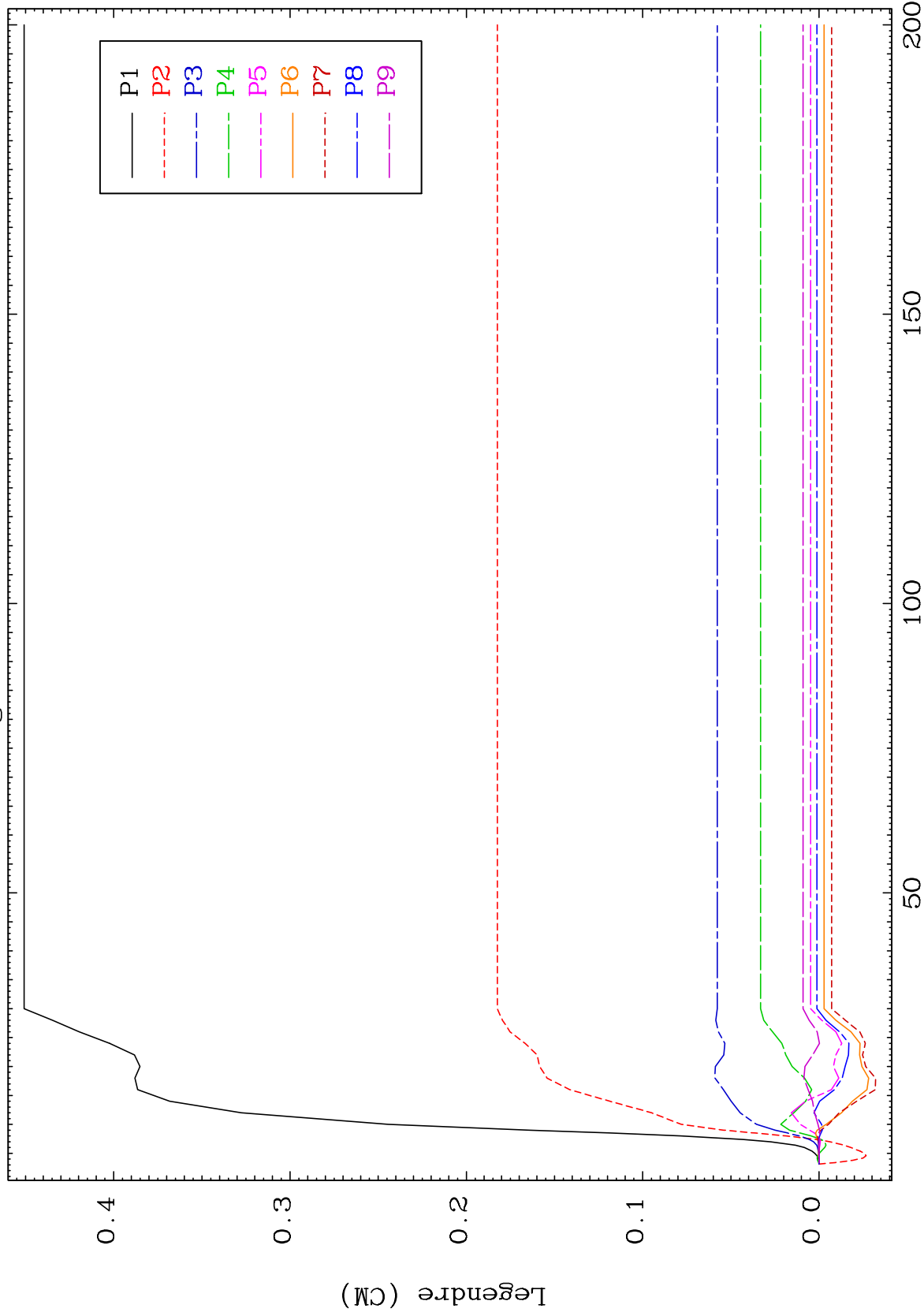
55-Cs-137



MAT 5537

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

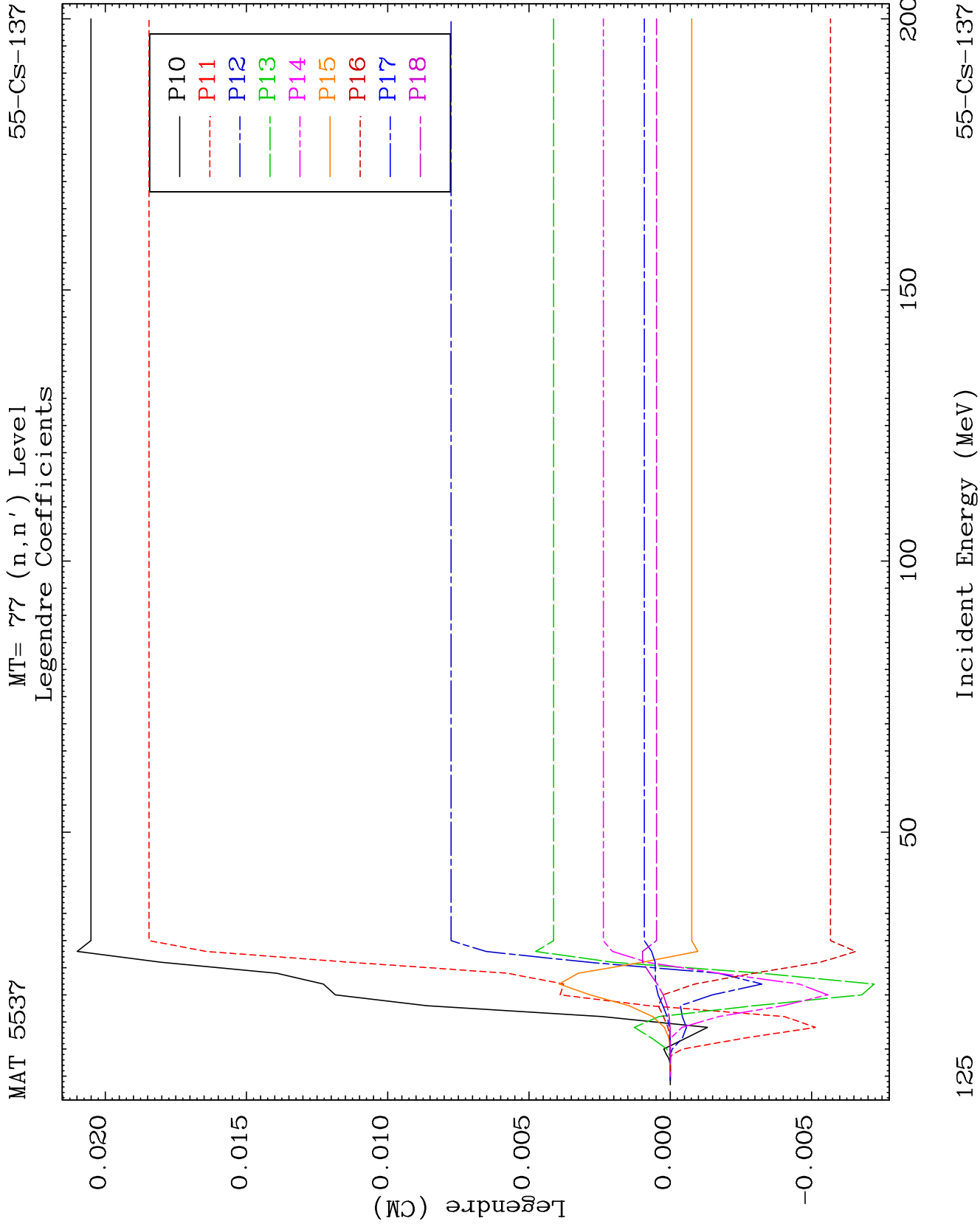
55-Cs-137



124

Incident Energy (MeV)

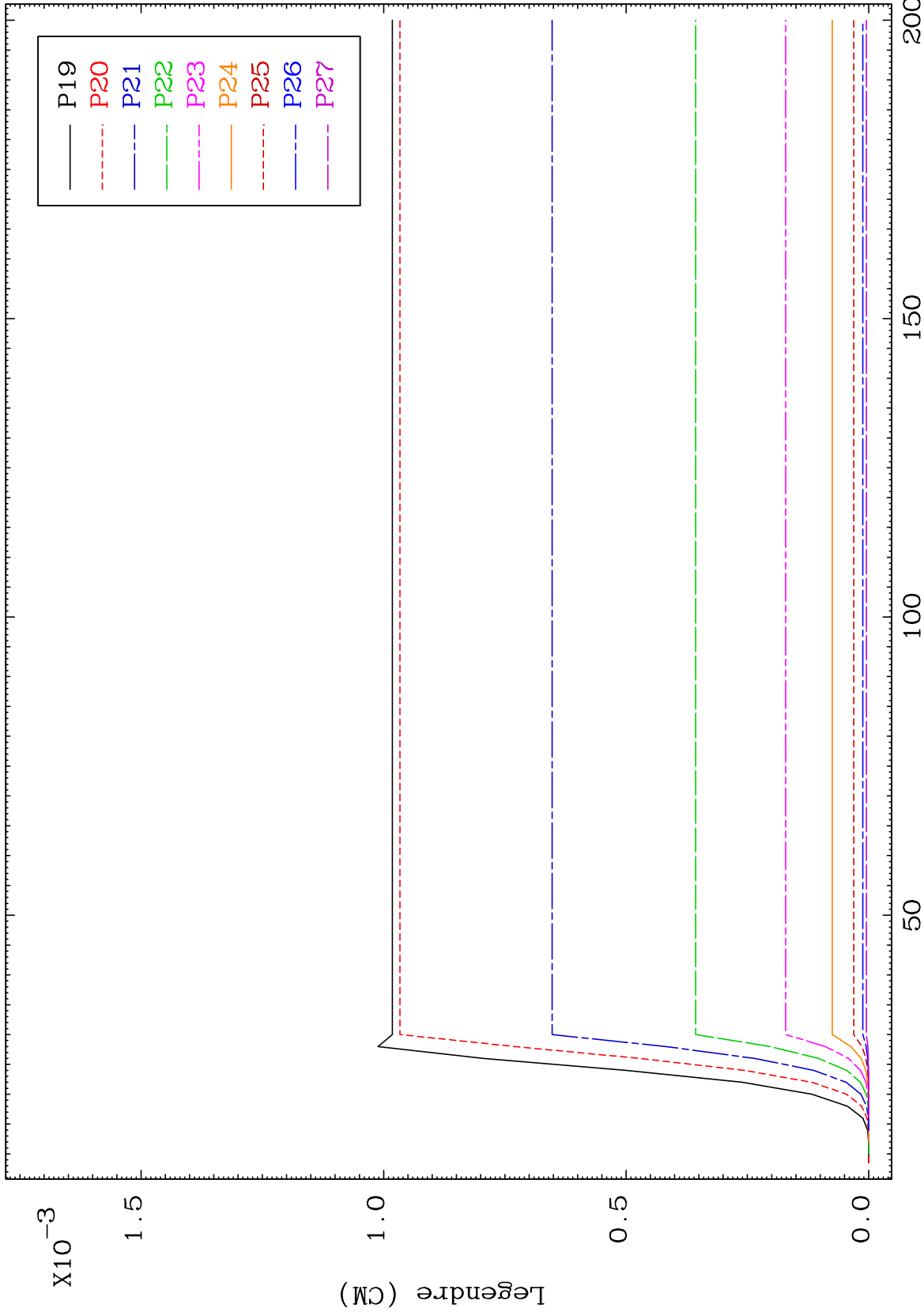
55-Cs-137



MAT 5537

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

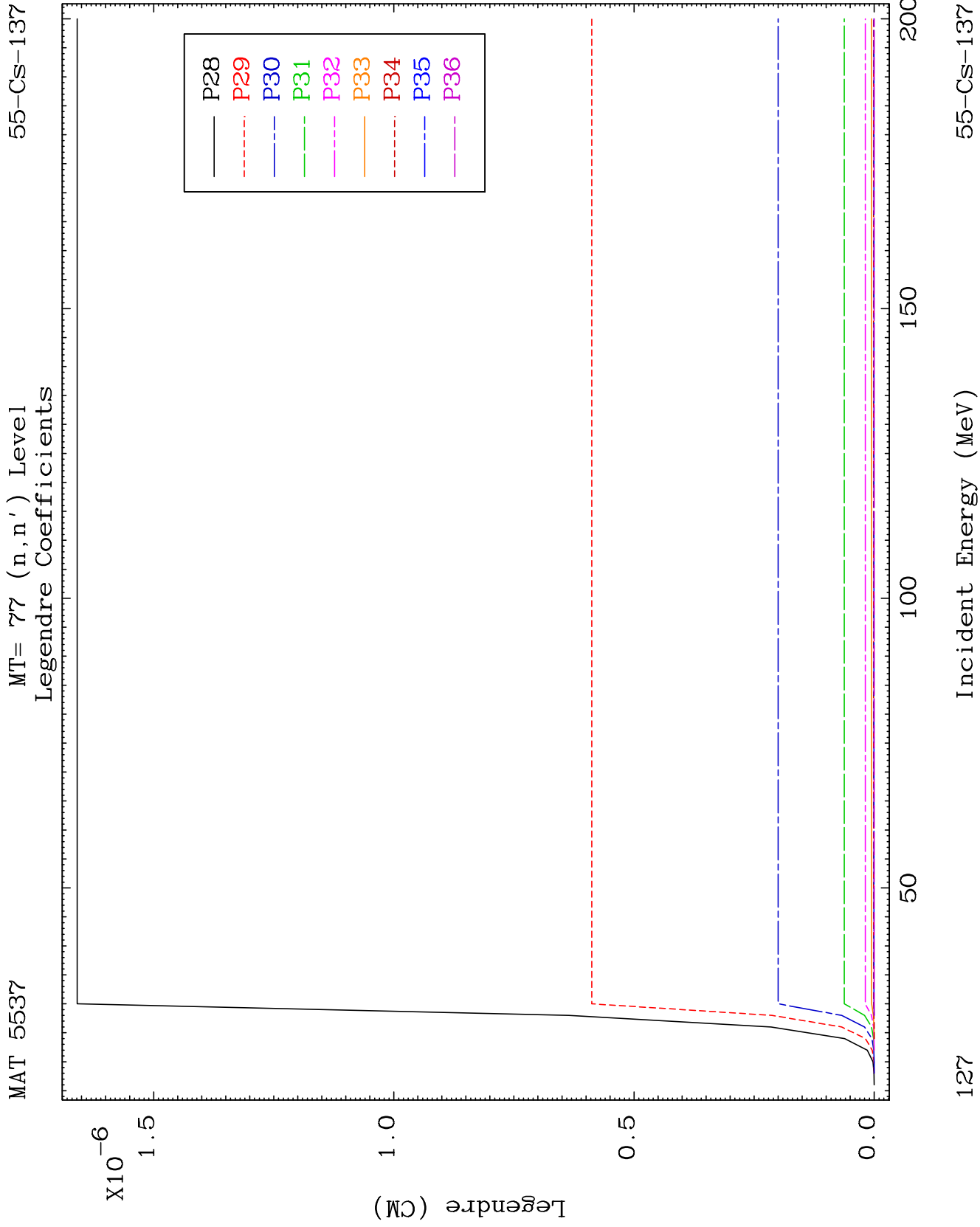
55-Cs-137

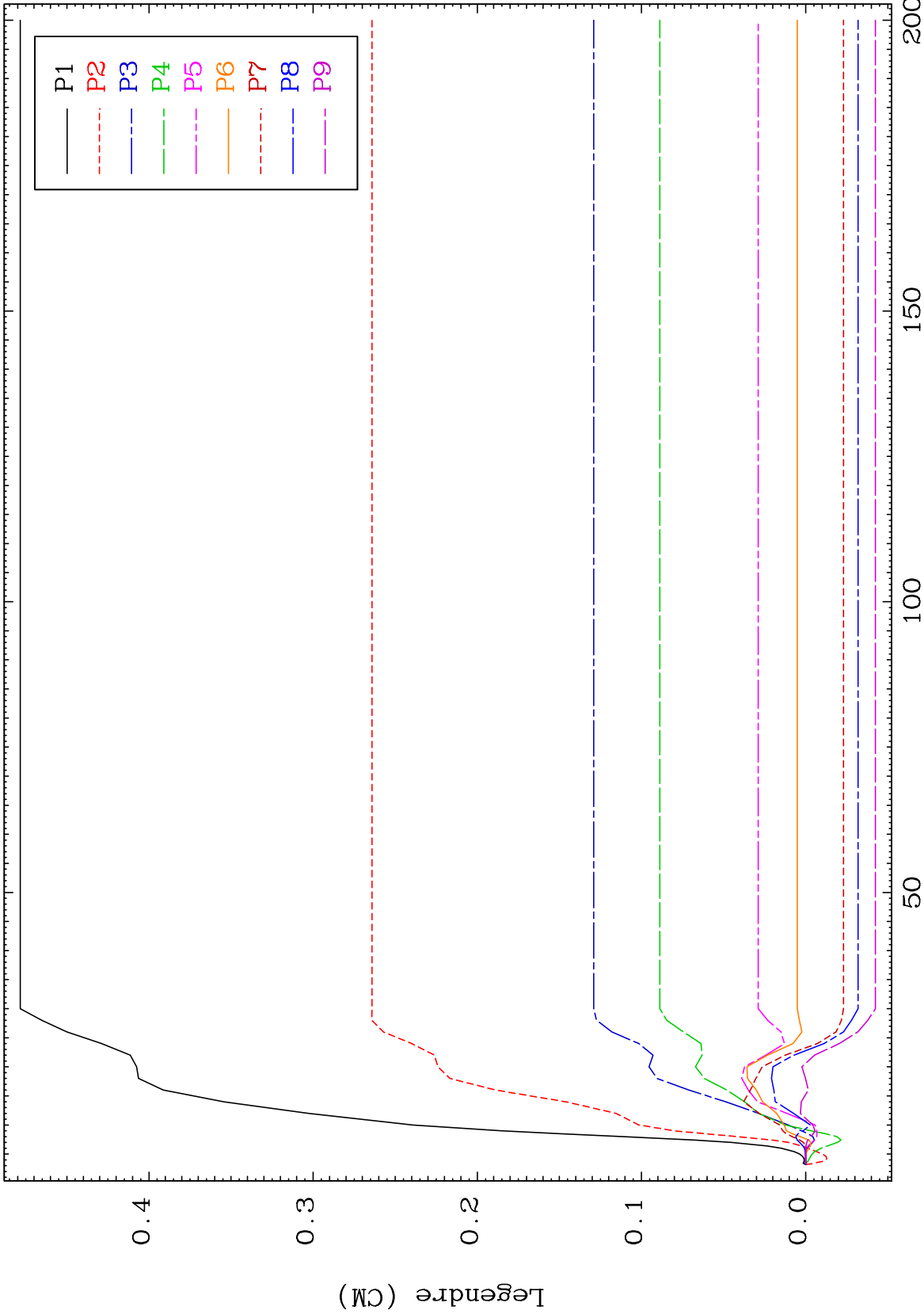


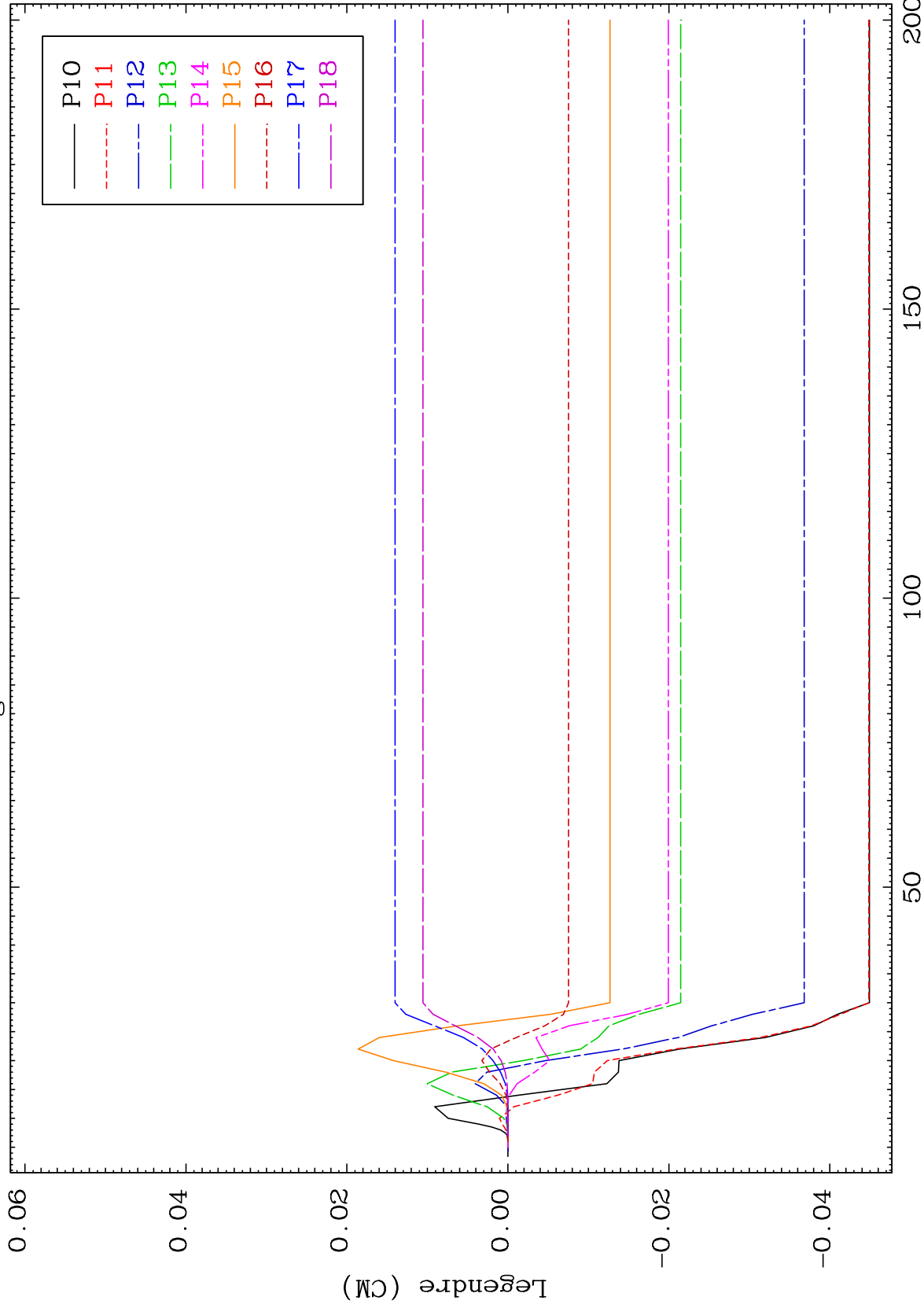
126

Incident Energy (MeV)

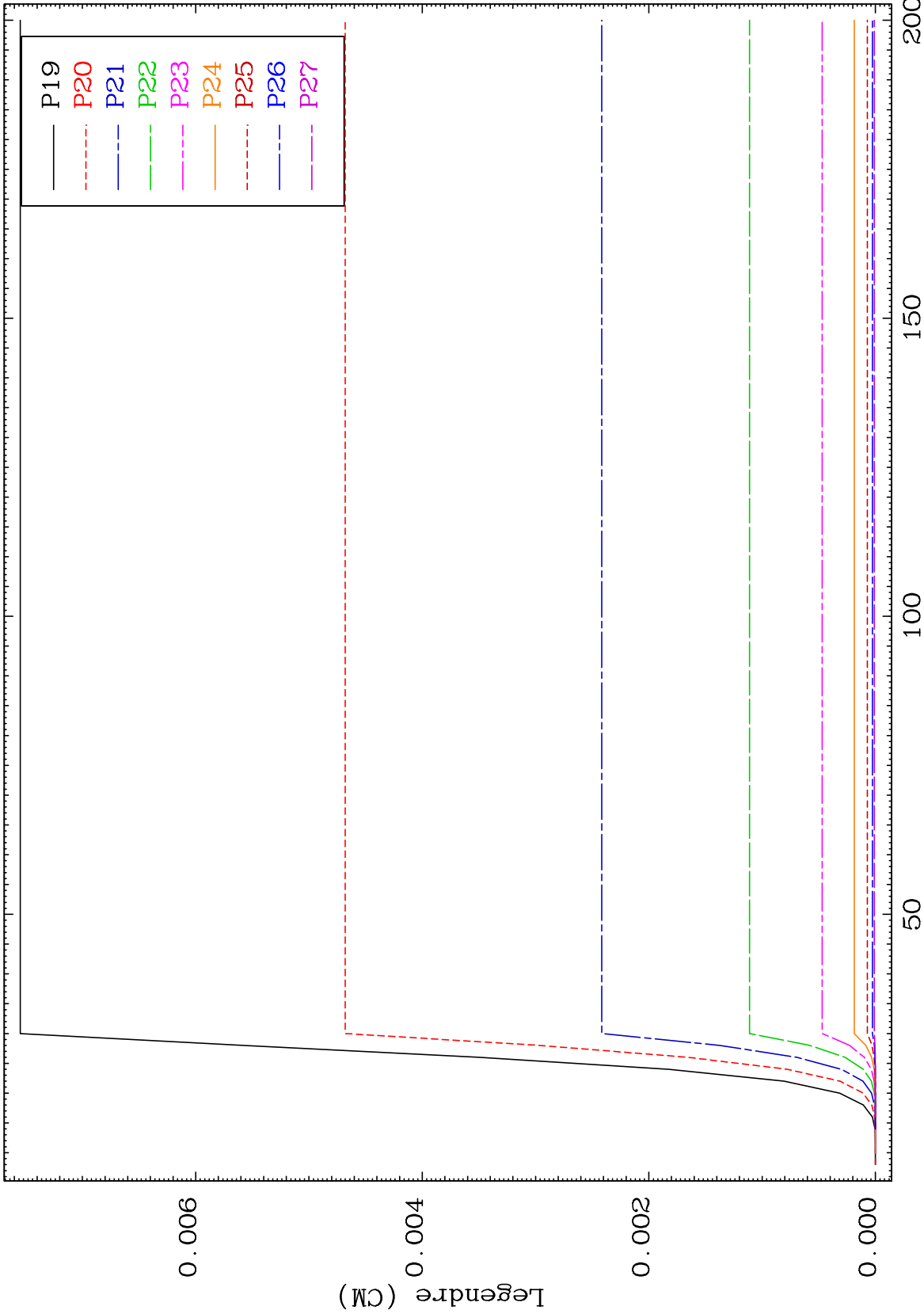
55-Cs-137







MAT 5537 MT= 78 (n,n') Level Legendre Coefficients 55-Cs-137

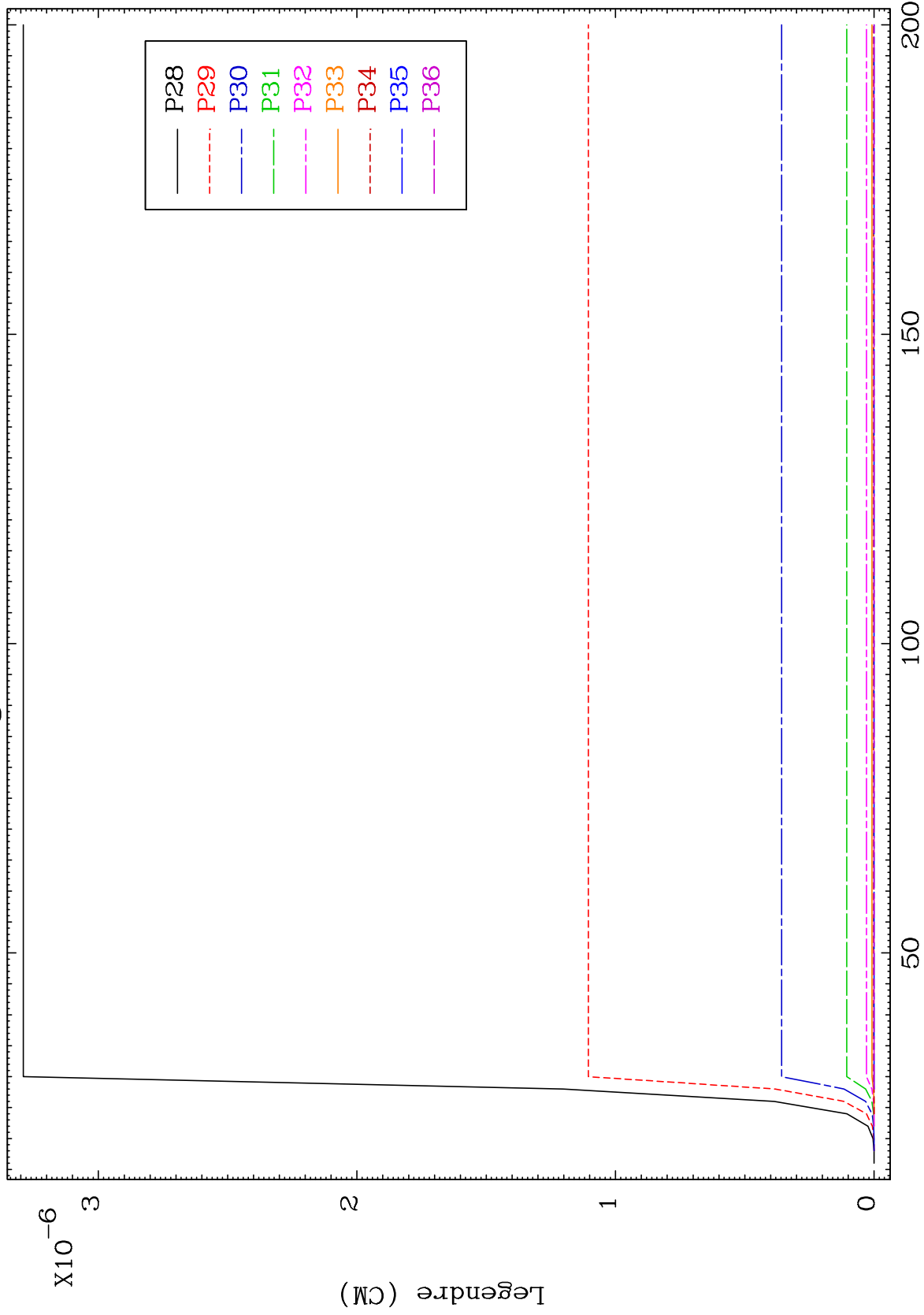


55-Cs-137

MAT 5537

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

55-Cs-137



131

Incident Energy (MeV)

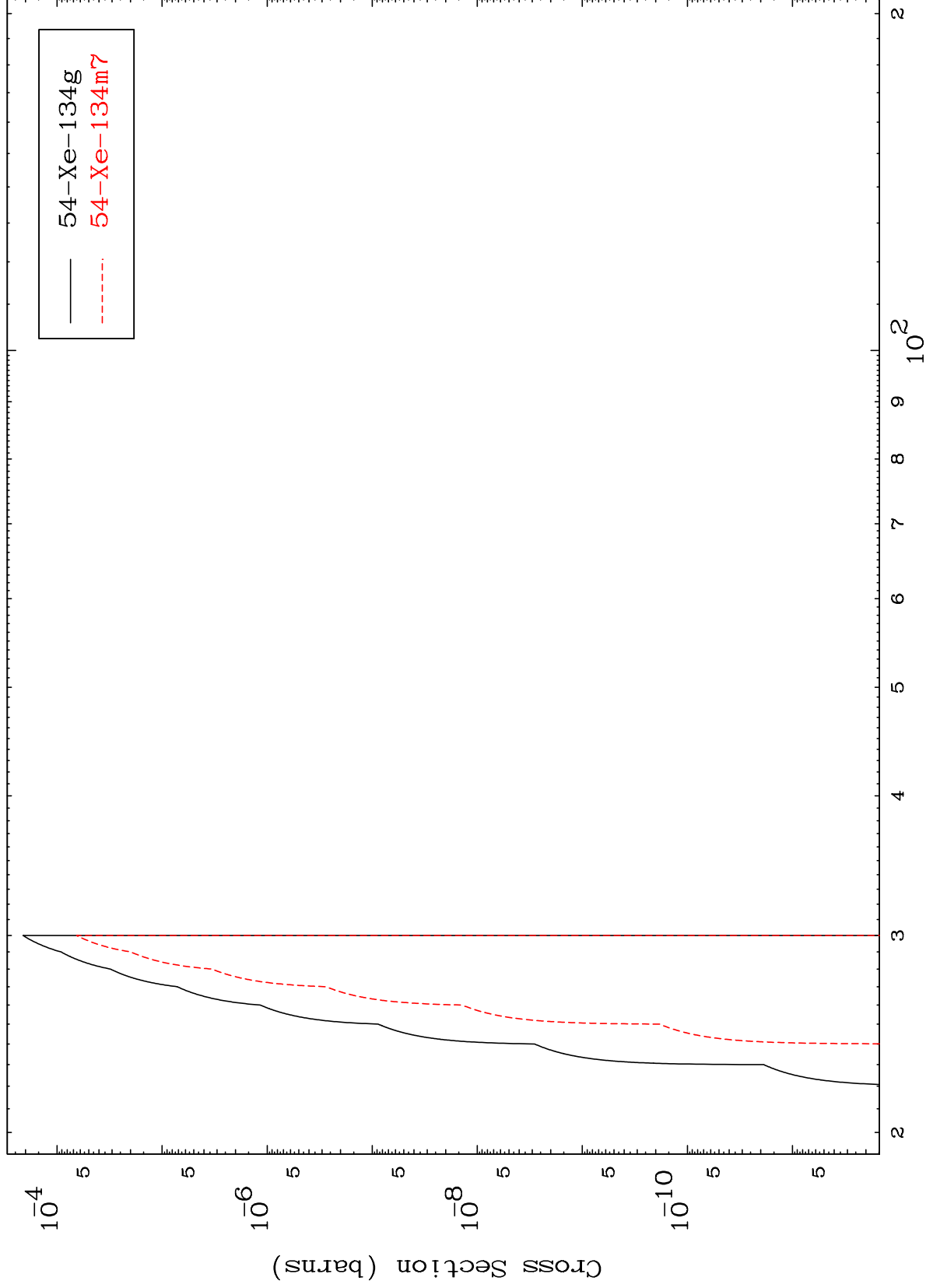
55-Cs-137

MAT 5537

(n,2n) d

55-Cs-137

Radionuclide Production Cross Section



132

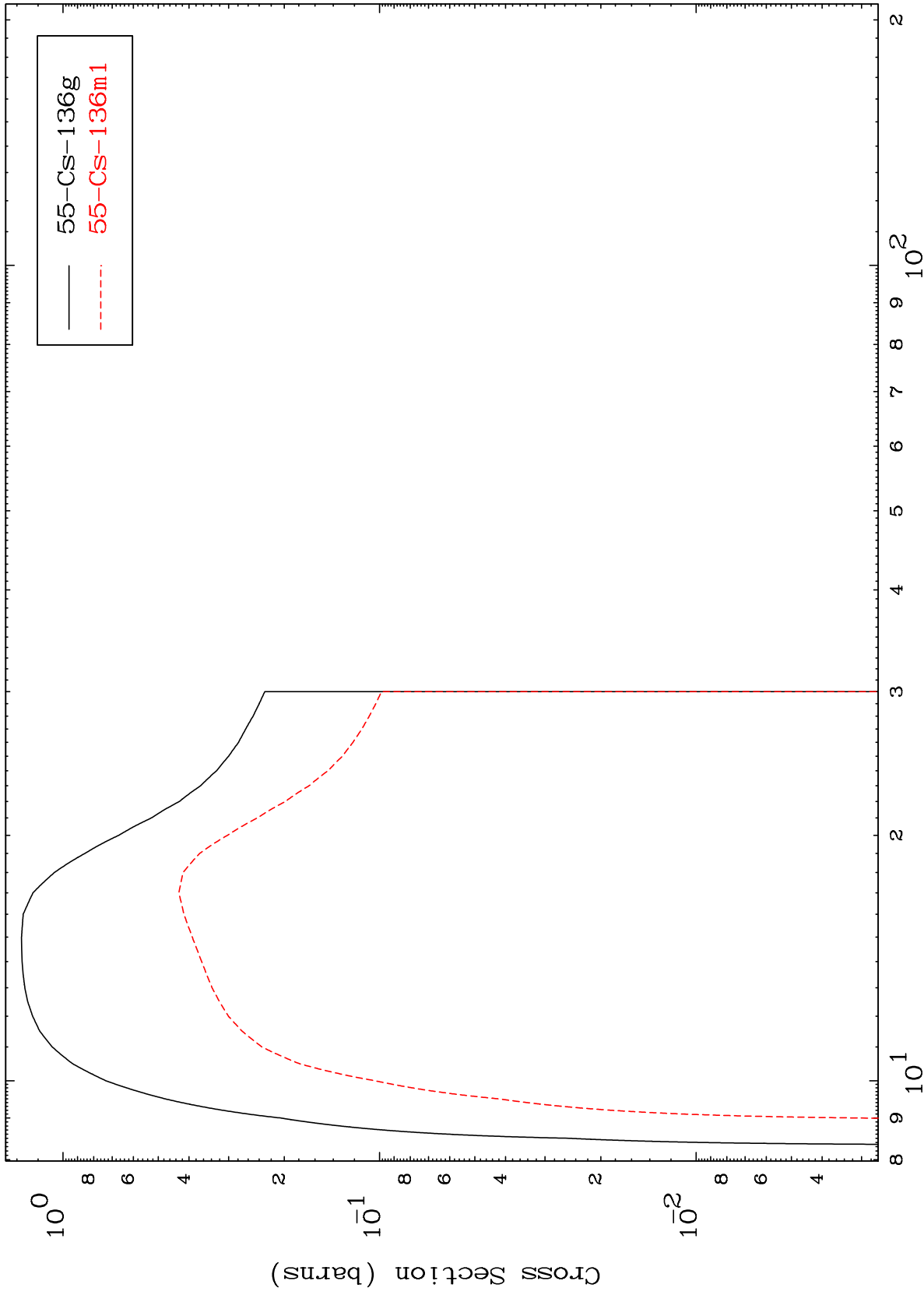
Incident Energy (MeV)

55-Cs-137

MAT 5537

55-Cs-137

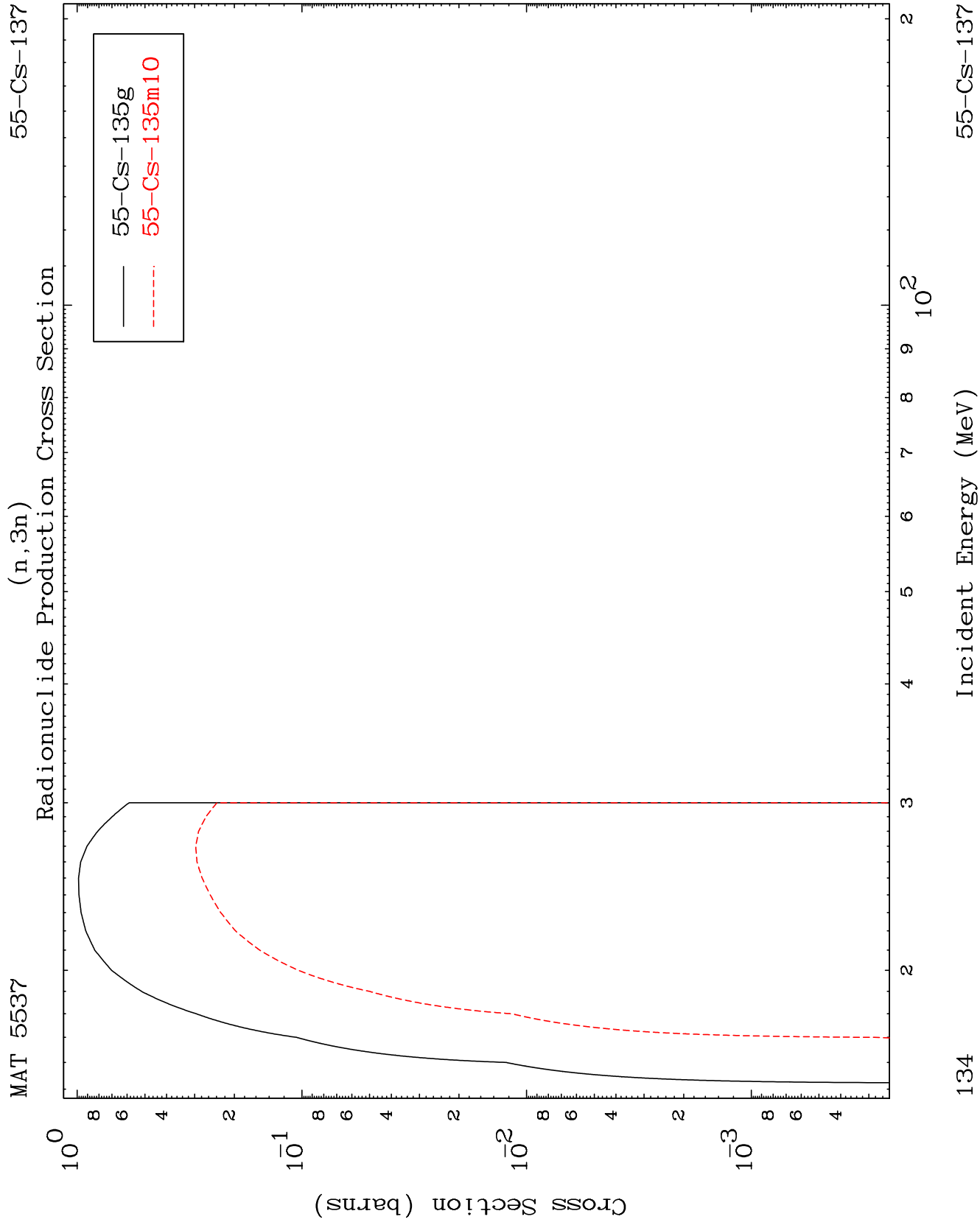
(n,2n)
Radionuclide Production Cross Section

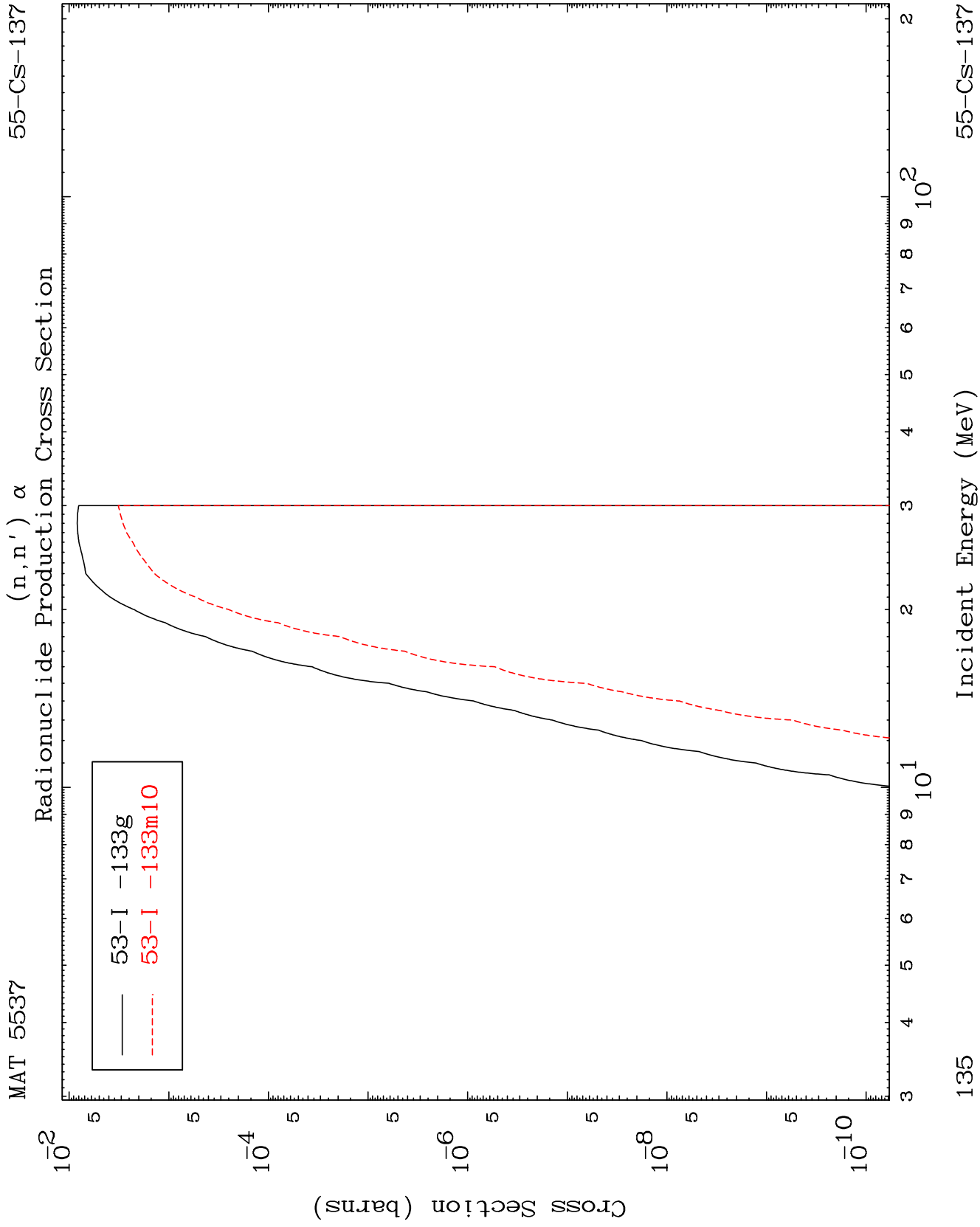


133

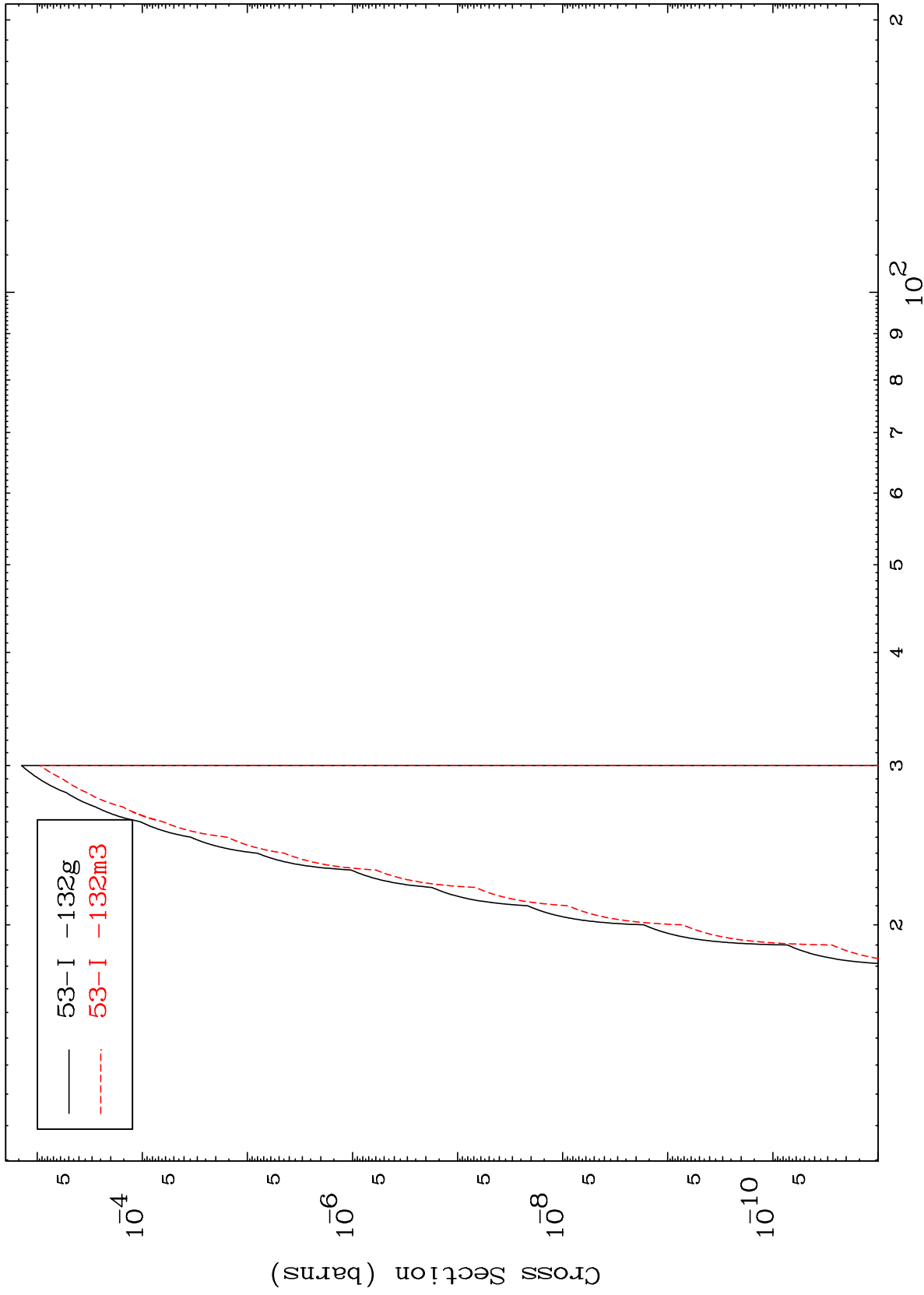
Incident Energy (MeV)

55-Cs-137





(n,2n) α
Radionuclide Production Cross Section

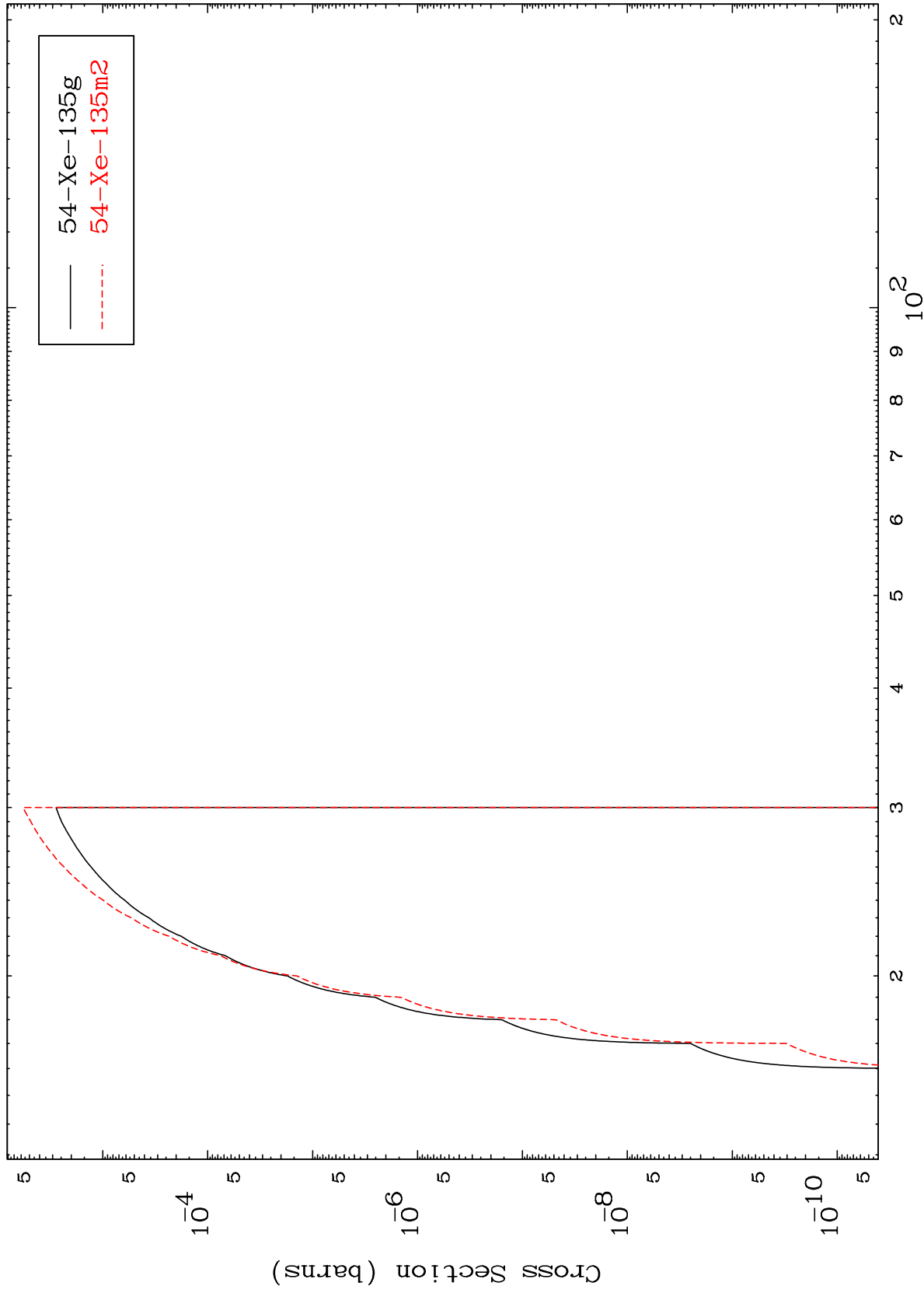


MAT 5537

(n,n') d

55-Cs-137

Radionuclide Production Cross Section

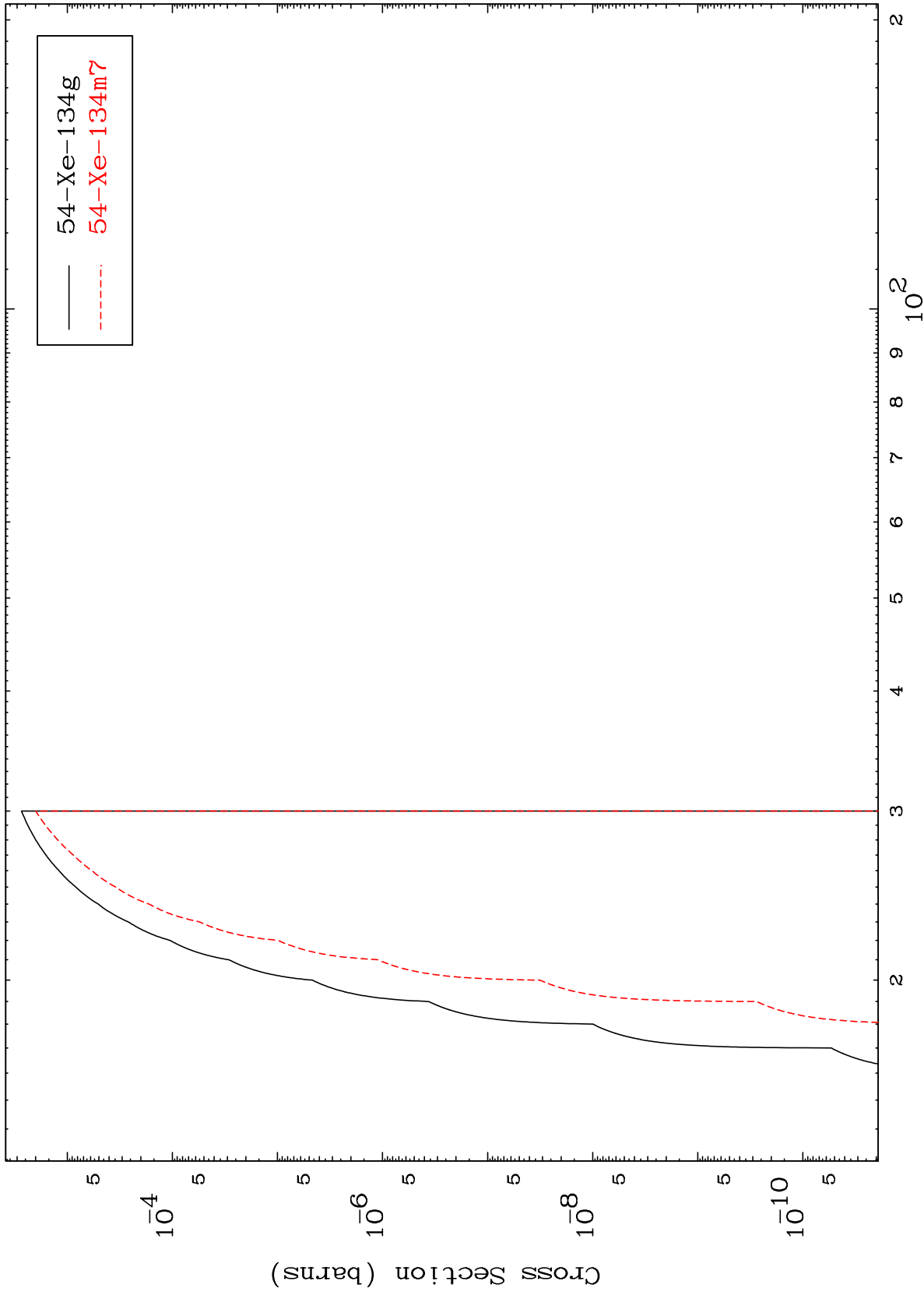


137

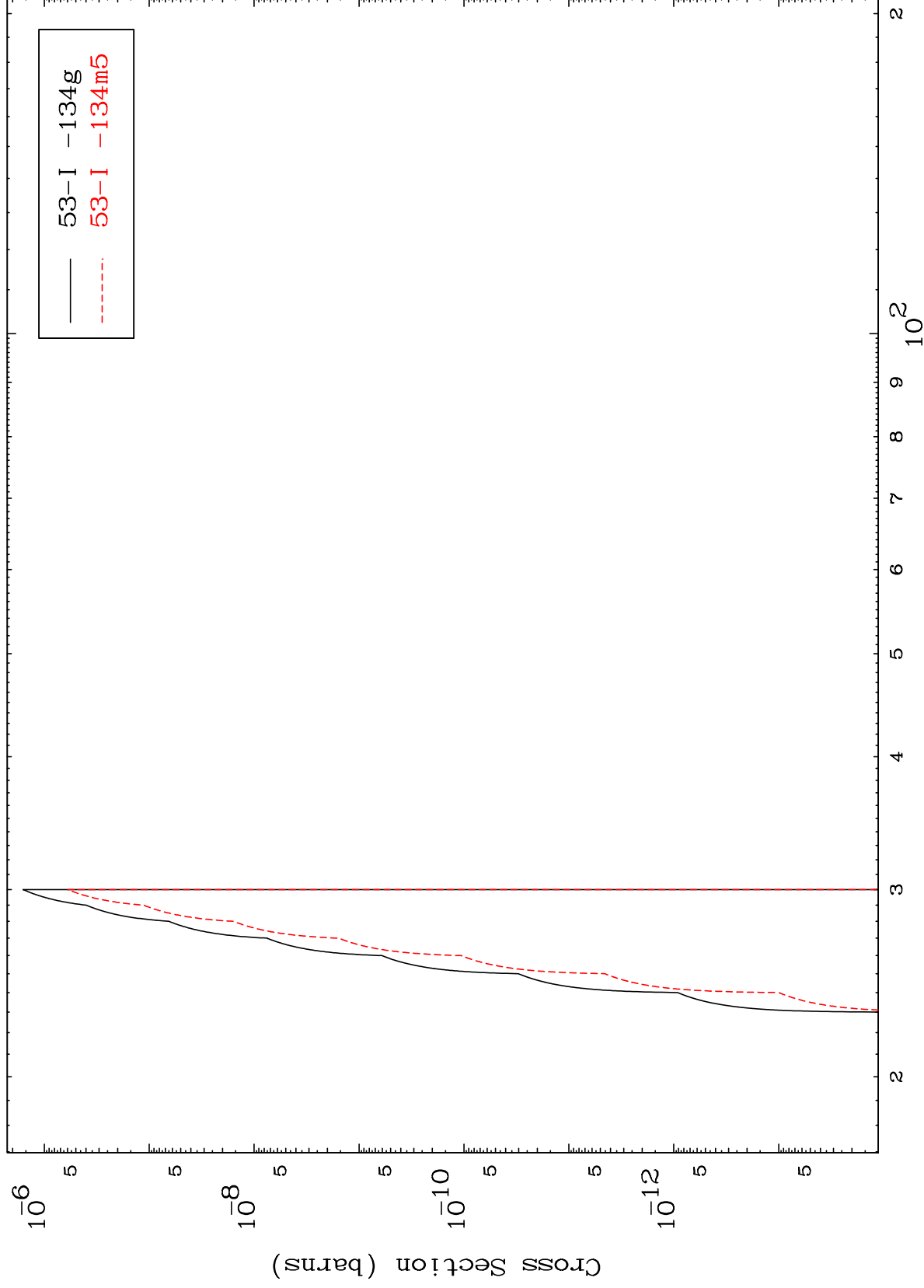
Incident Energy (MeV)

55-Cs-137

(n,n') t
Radionuclide Production Cross Section



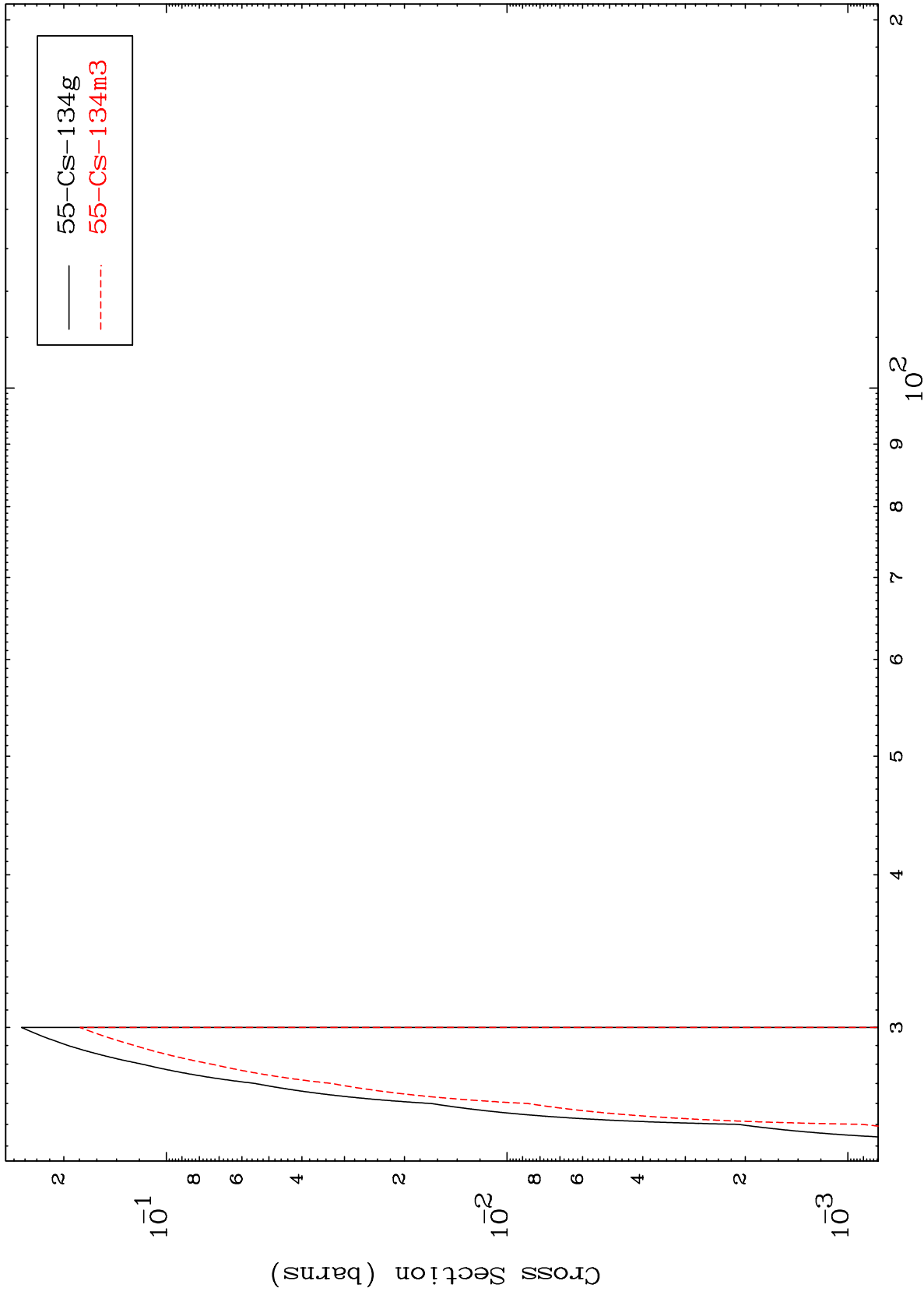
Radionuclide Production Cross Section



MAT 5537

55-Cs-137

(n,4n)
Radionuclide Production Cross Section



140

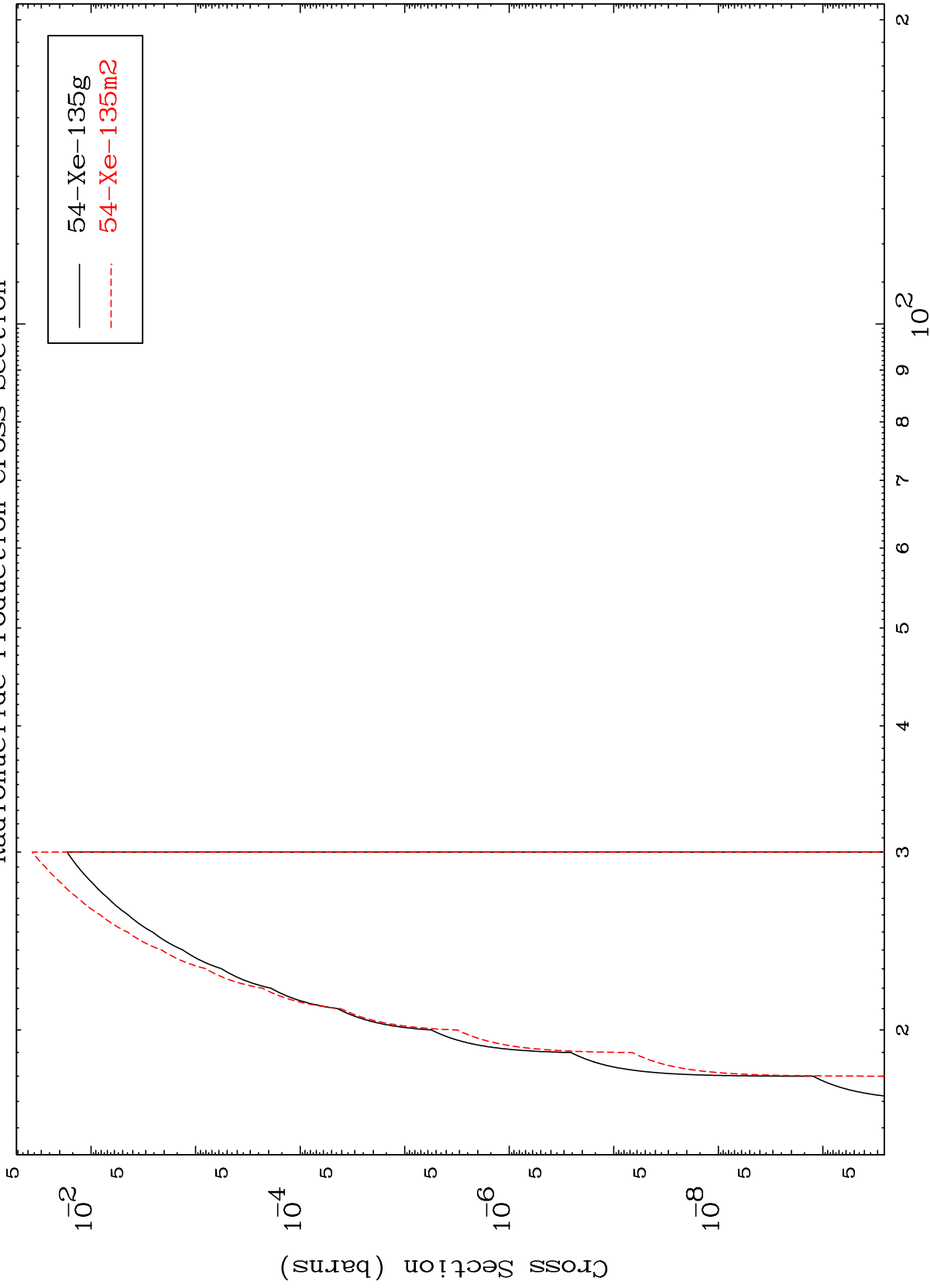
Incident Energy (MeV)

55-Cs-137

MAT 5537

55-Cs-137

(n,2n) p
Radionuclide Production Cross Section



141

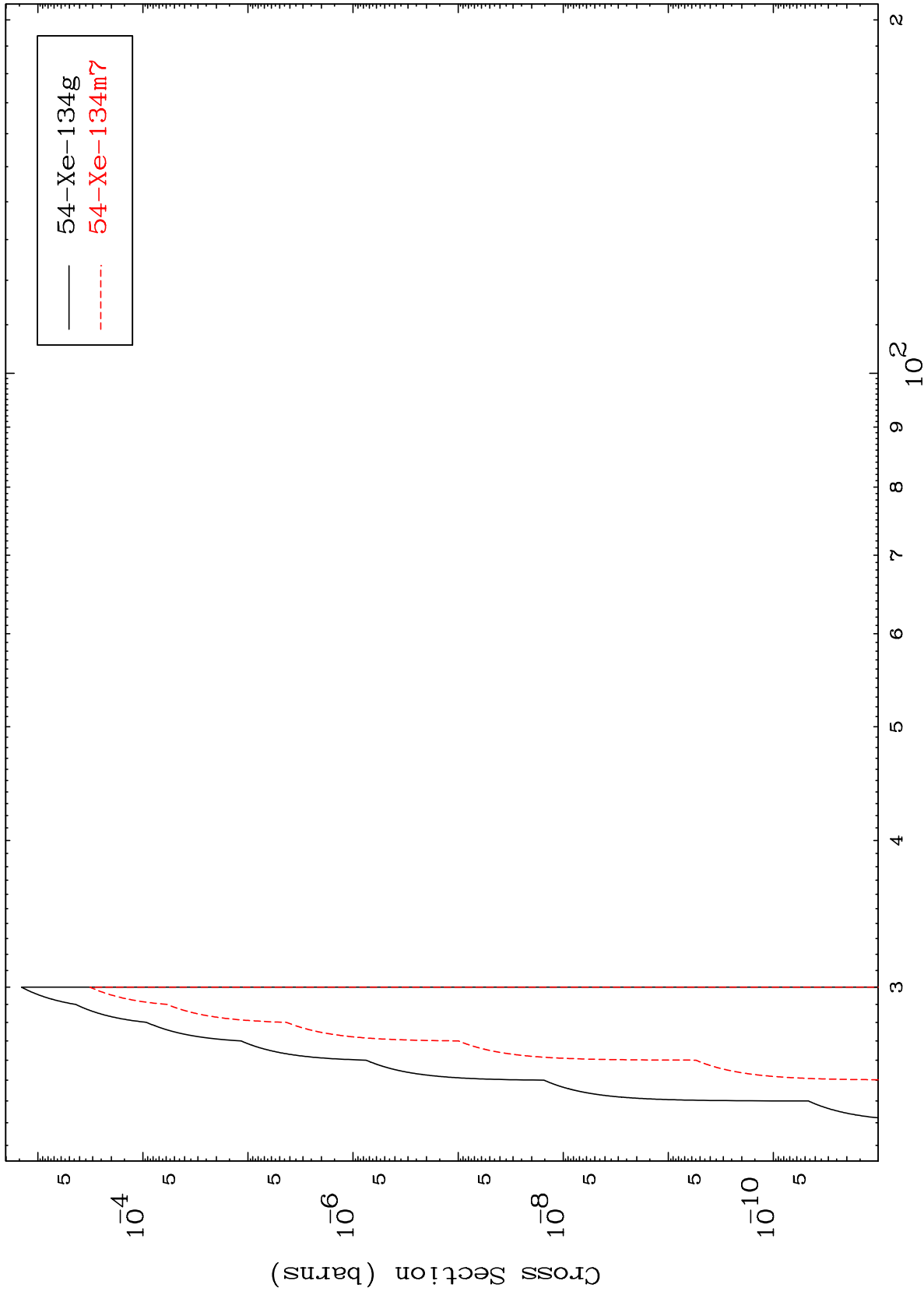
Incident Energy (MeV)

55-Cs-137

MAT 5537

55-Cs-137

(n,3n) p
Radionuclide Production Cross Section



142

Incident Energy (MeV)

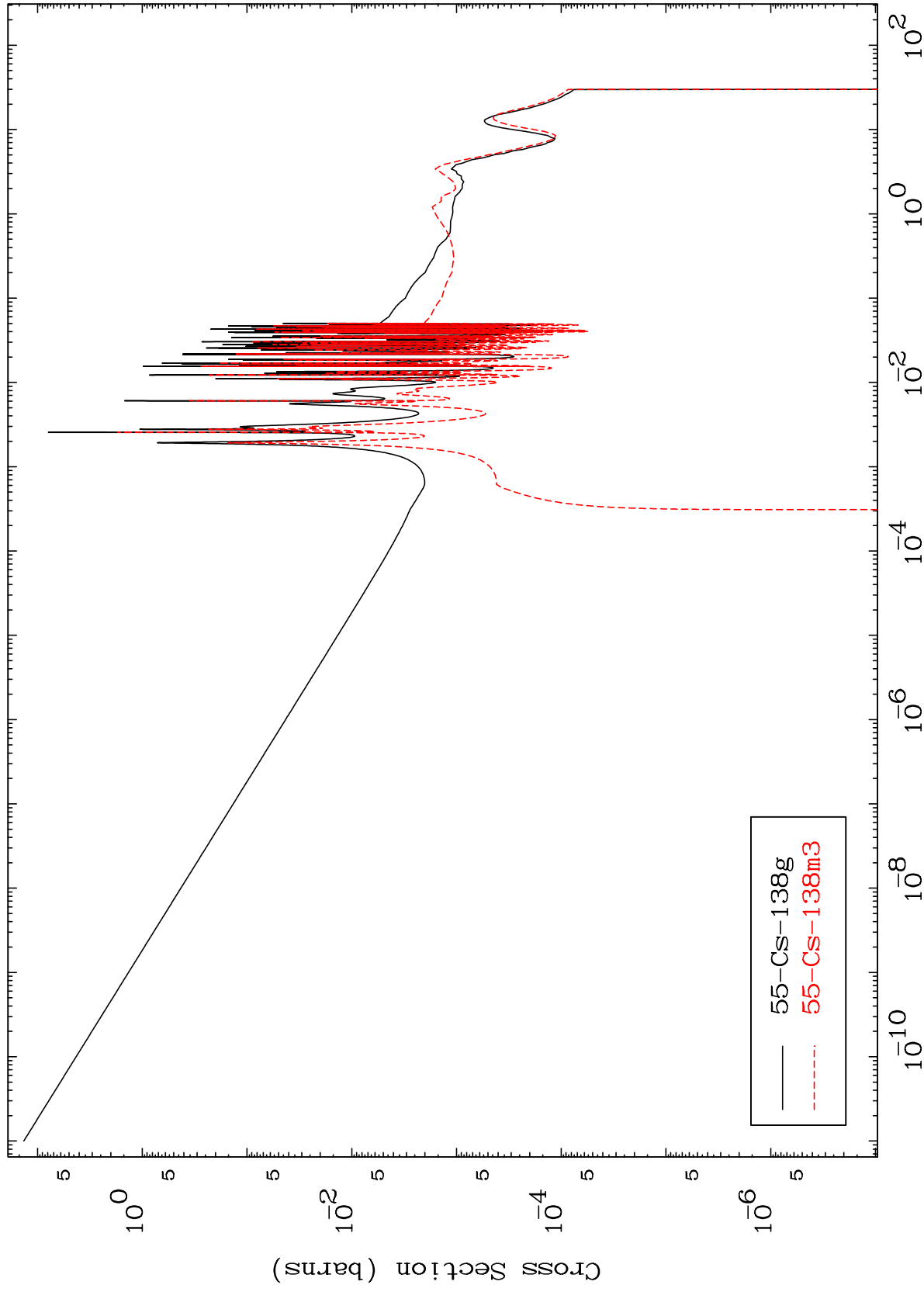
55-Cs-137

MAT 5537

(n, γ)

55-Cs-137

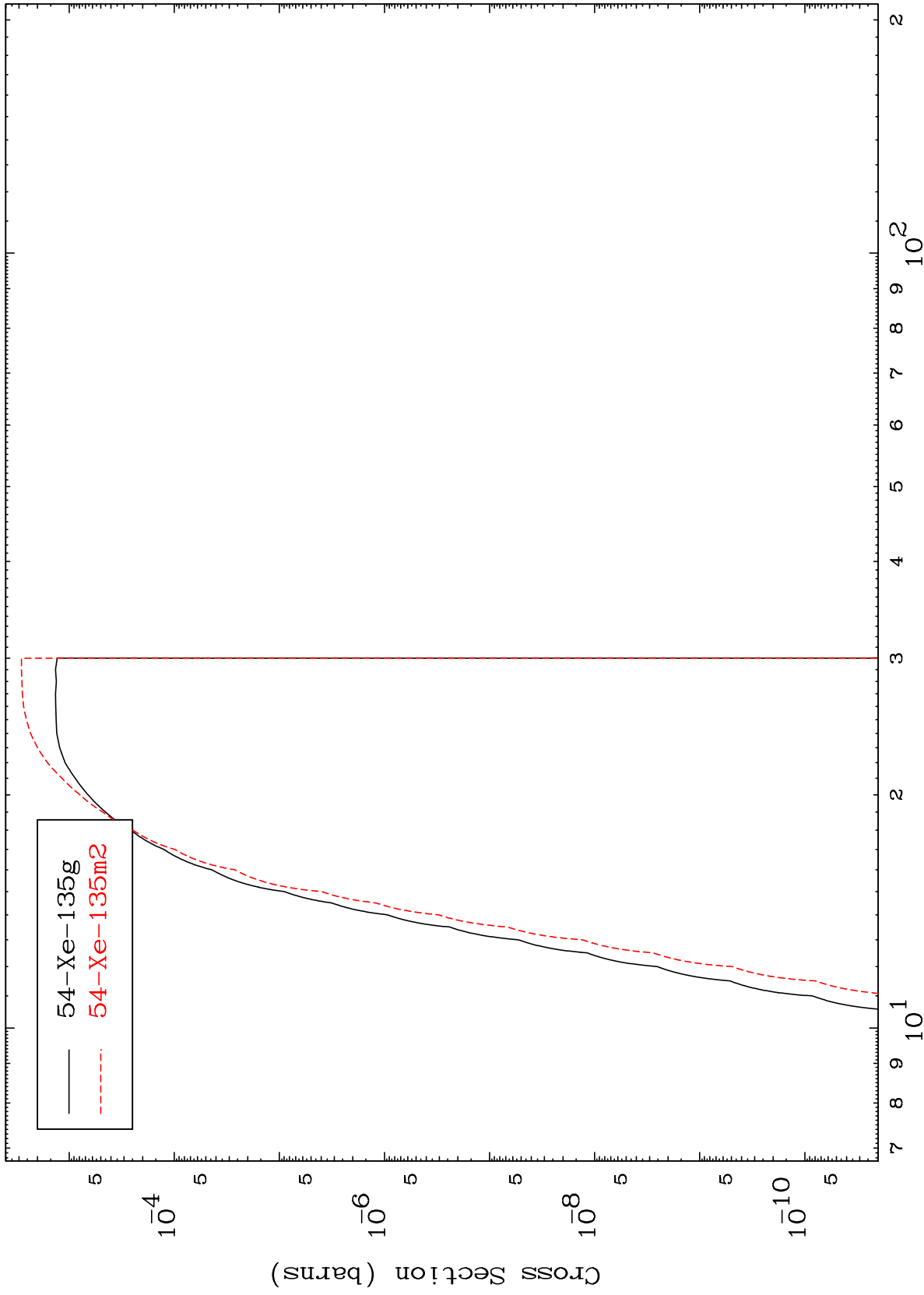
Radionuclide Production Cross Section



MAT 5537

55-Cs-137

(n,t)
Radionuclide Production Cross Section



144

Incident Energy (MeV)

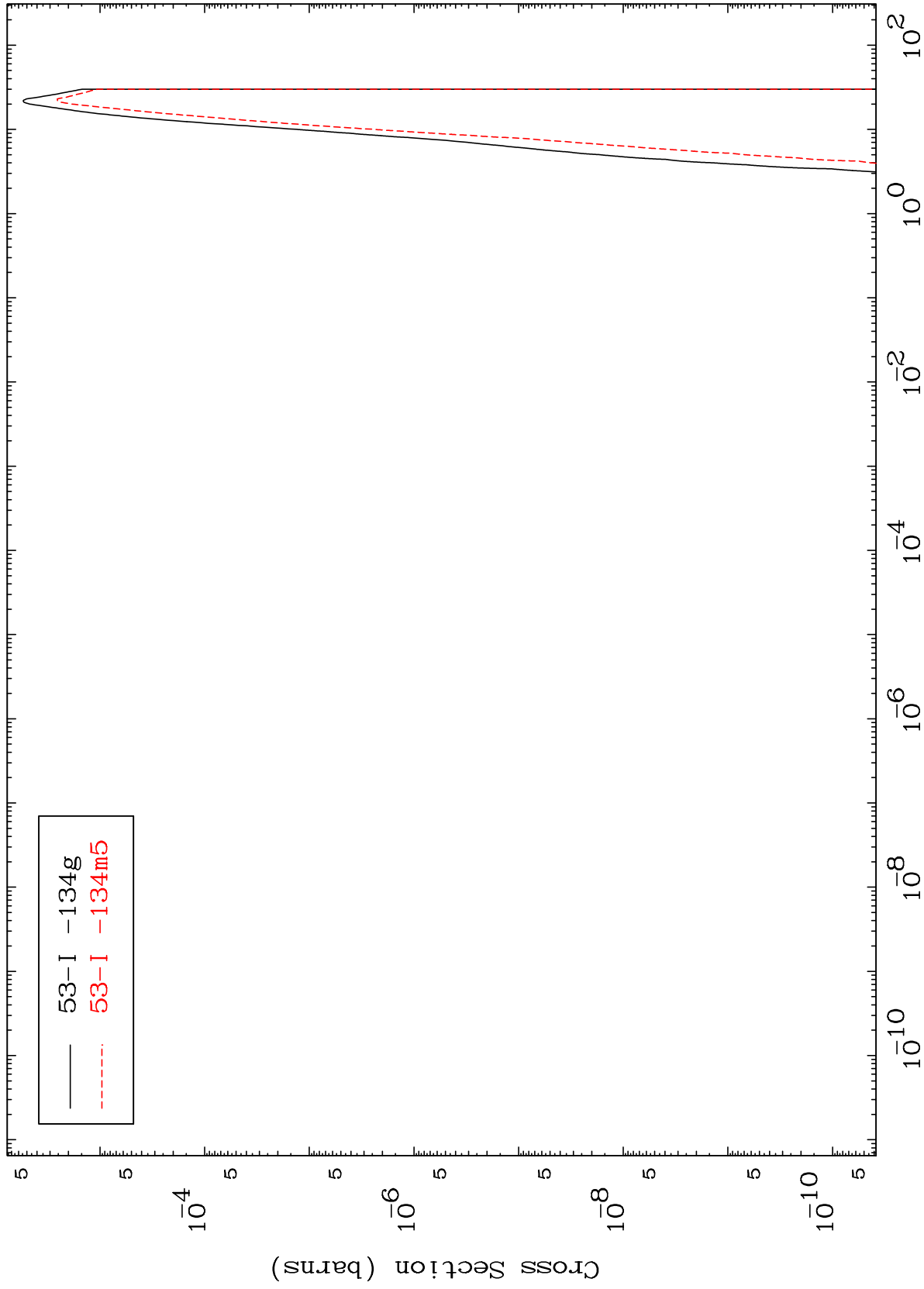
55-Cs-137

MAT 5537

(n,α)

55-Cs-137

Radionuclide Production Cross Section



145

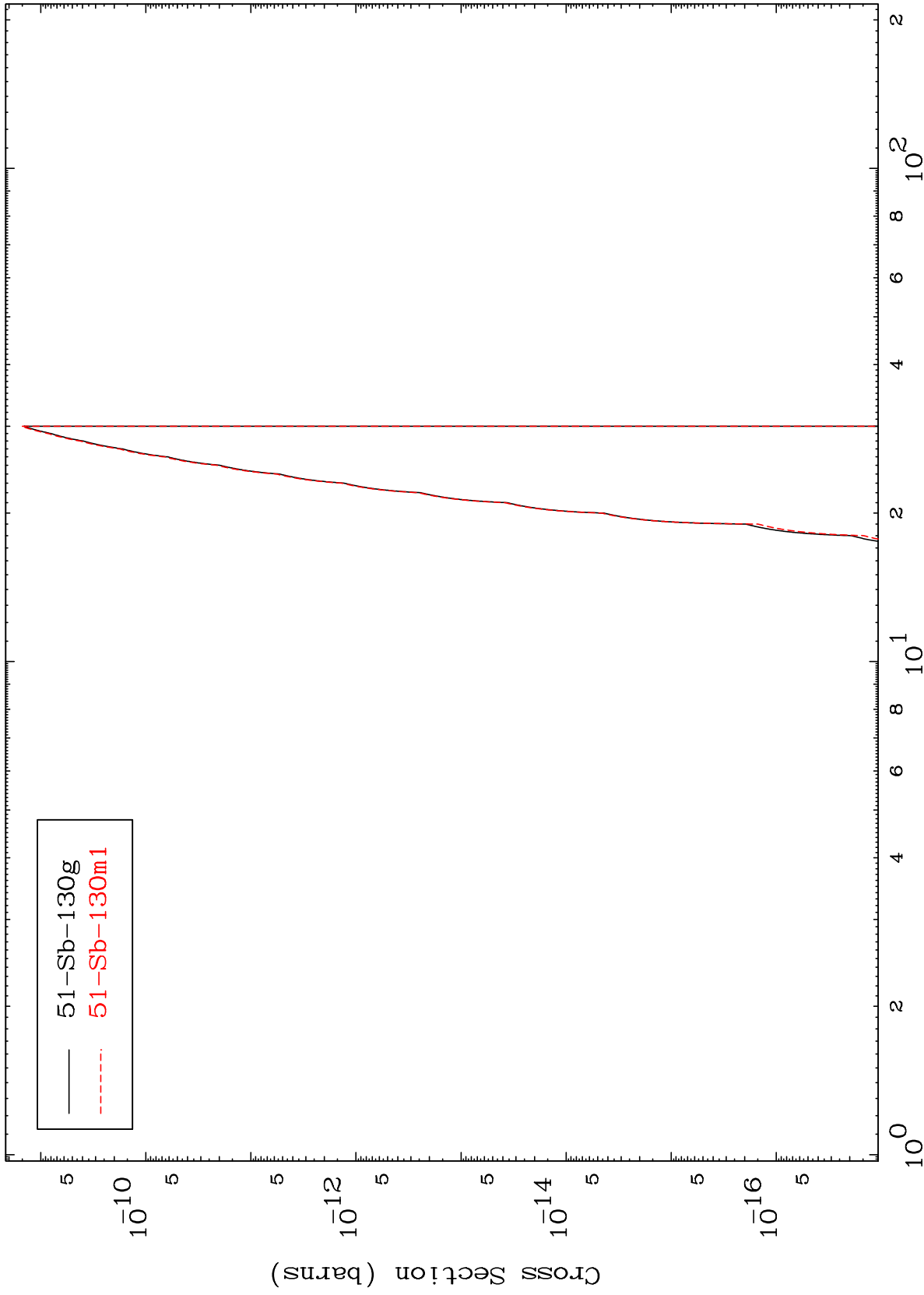
Incident Energy (MeV)

55-Cs-137

MAT 5537

55-Cs-137

Radionuclide Production Cross Section



146

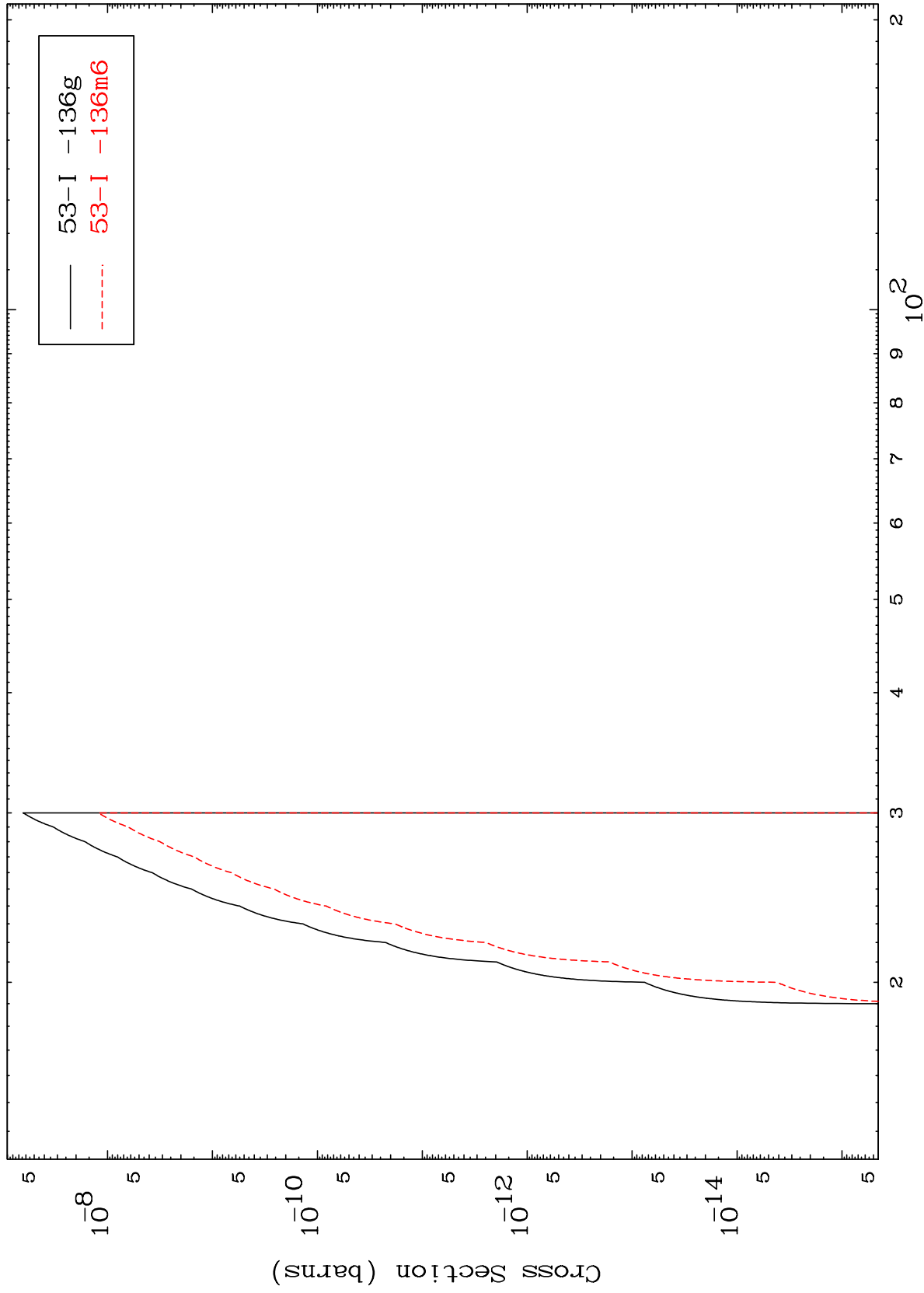
Incident Energy (MeV)

55-Cs-137

MAT 5537

55-Cs-137

(n,2p)
Radionuclide Production Cross Section



147

Incident Energy (MeV)

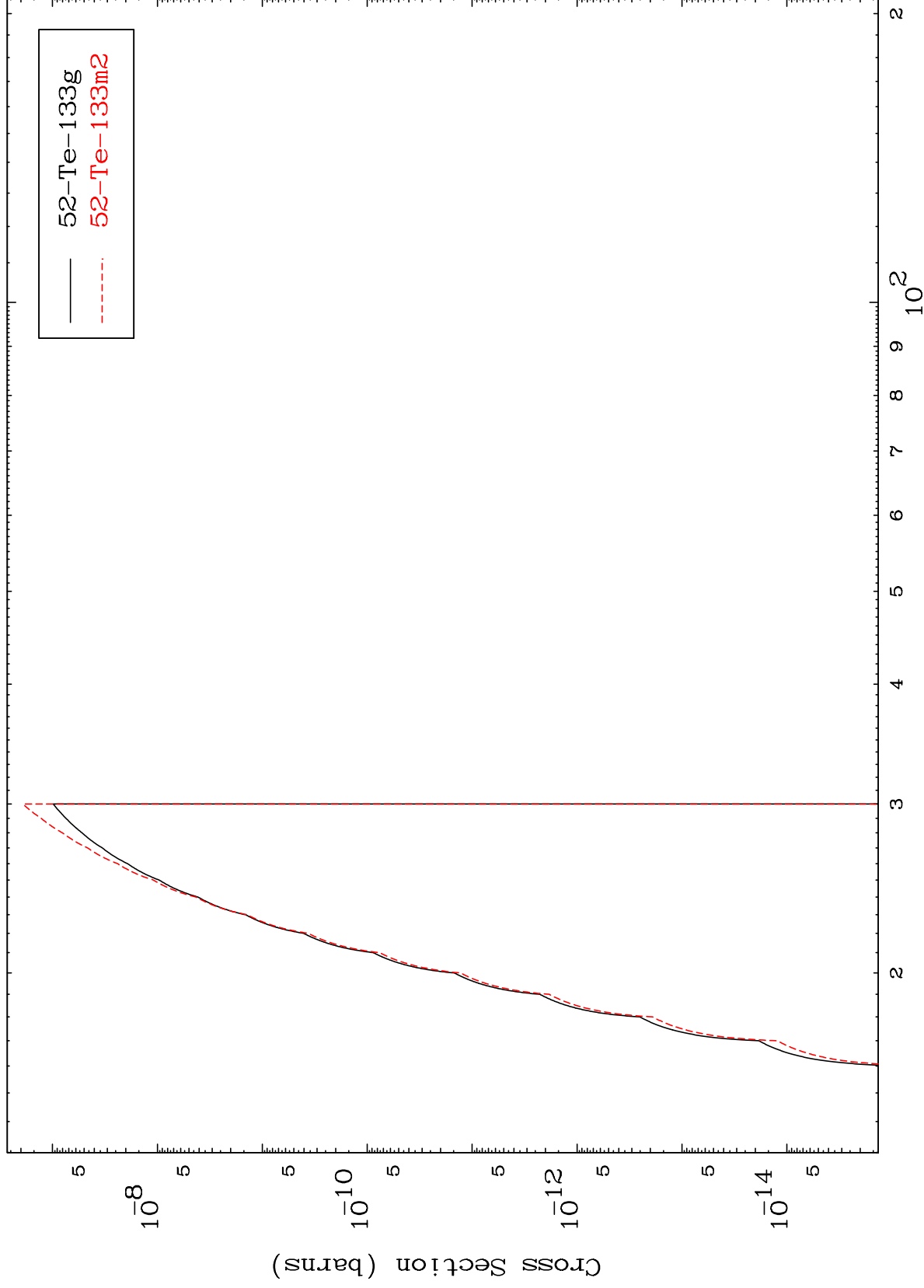
55-Cs-137

MAT 5537

(n,p) α

55-Cs-137

Radionuclide Production Cross Section



148

Incident Energy (MeV)

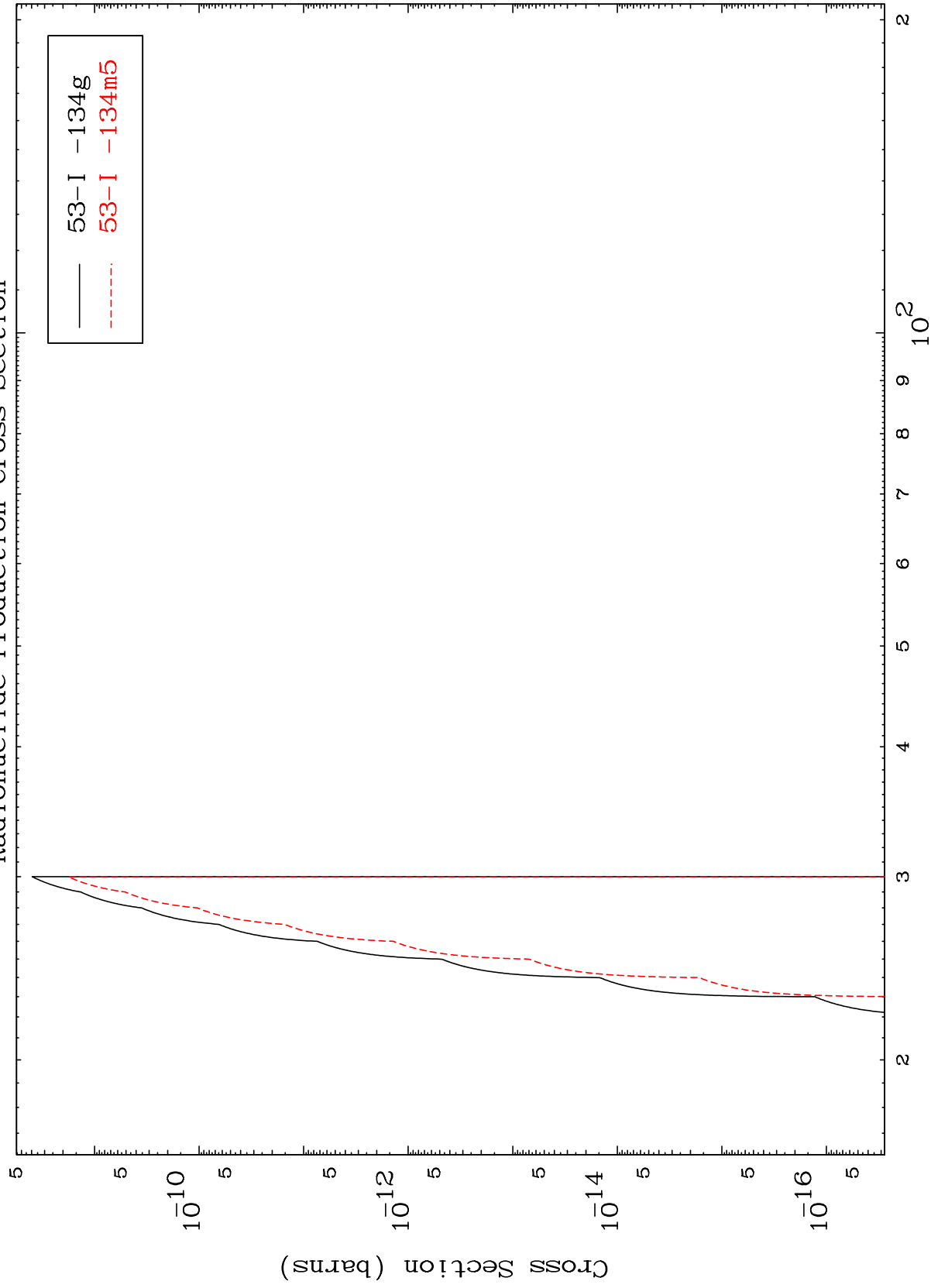
55-Cs-137

MAT 5537

(n,p) t

Radionuclide Production Cross Section

55-Cs-137



149

Incident Energy (MeV)

55-Cs-137