

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

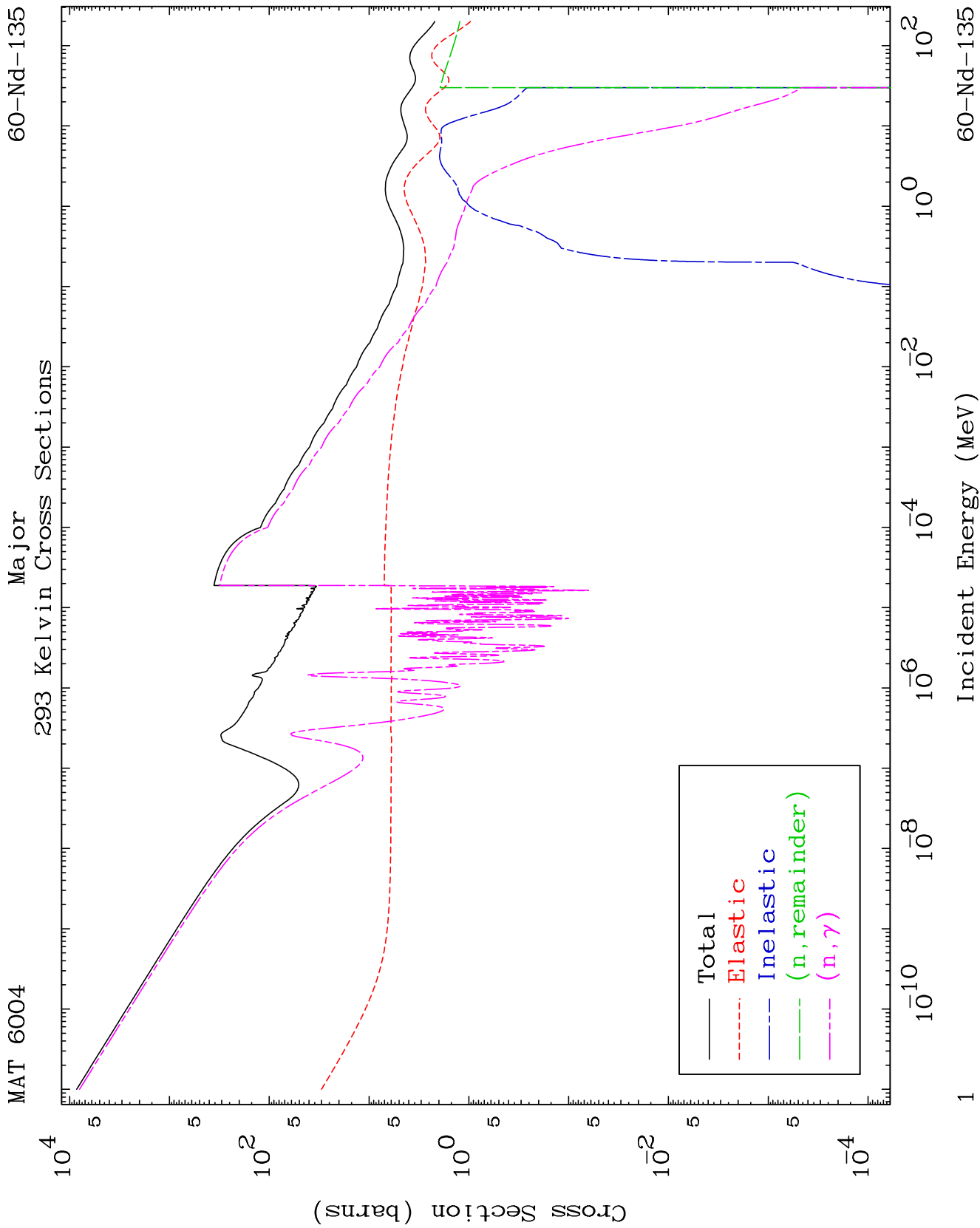
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

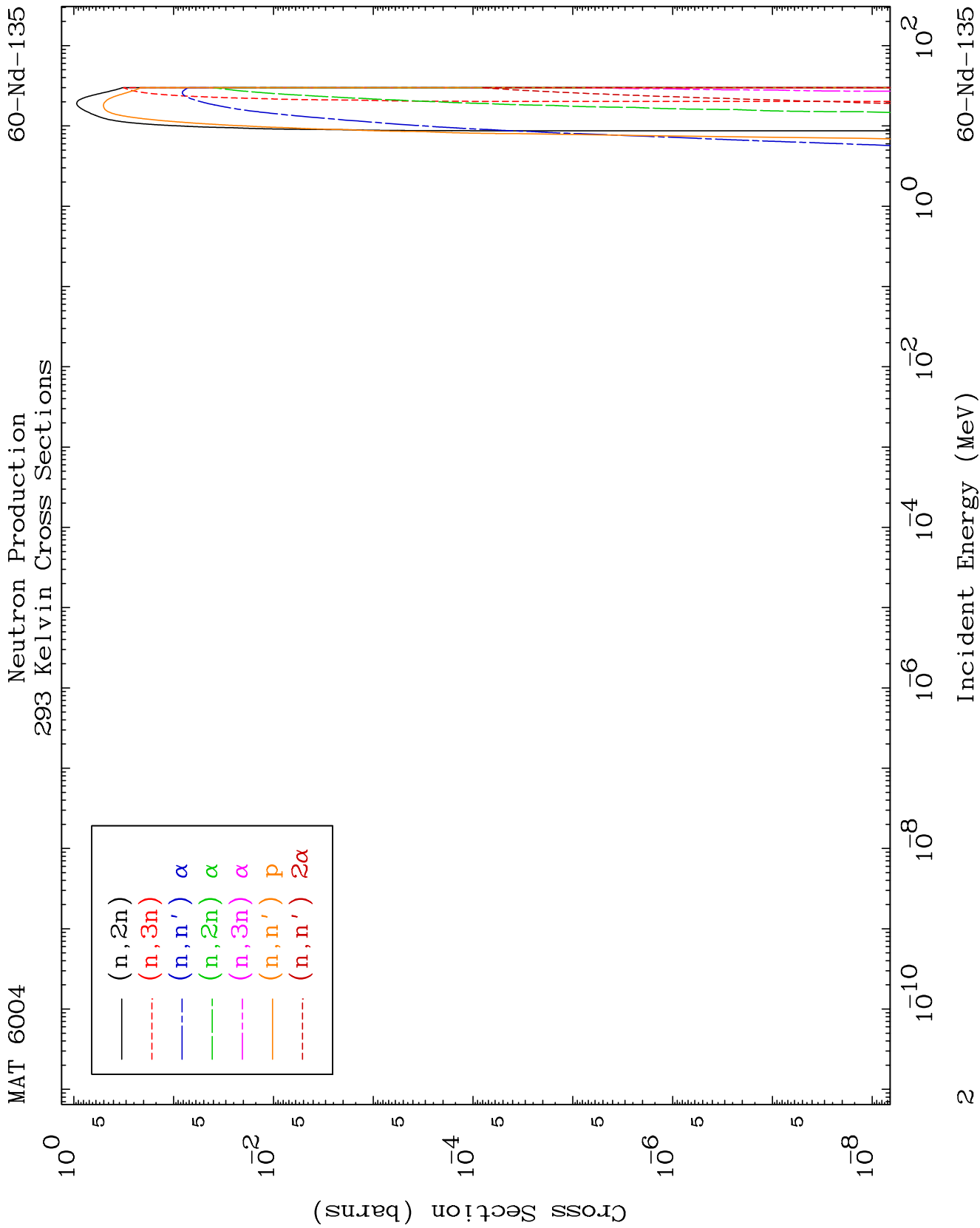
Tele: 925-443-1911

E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

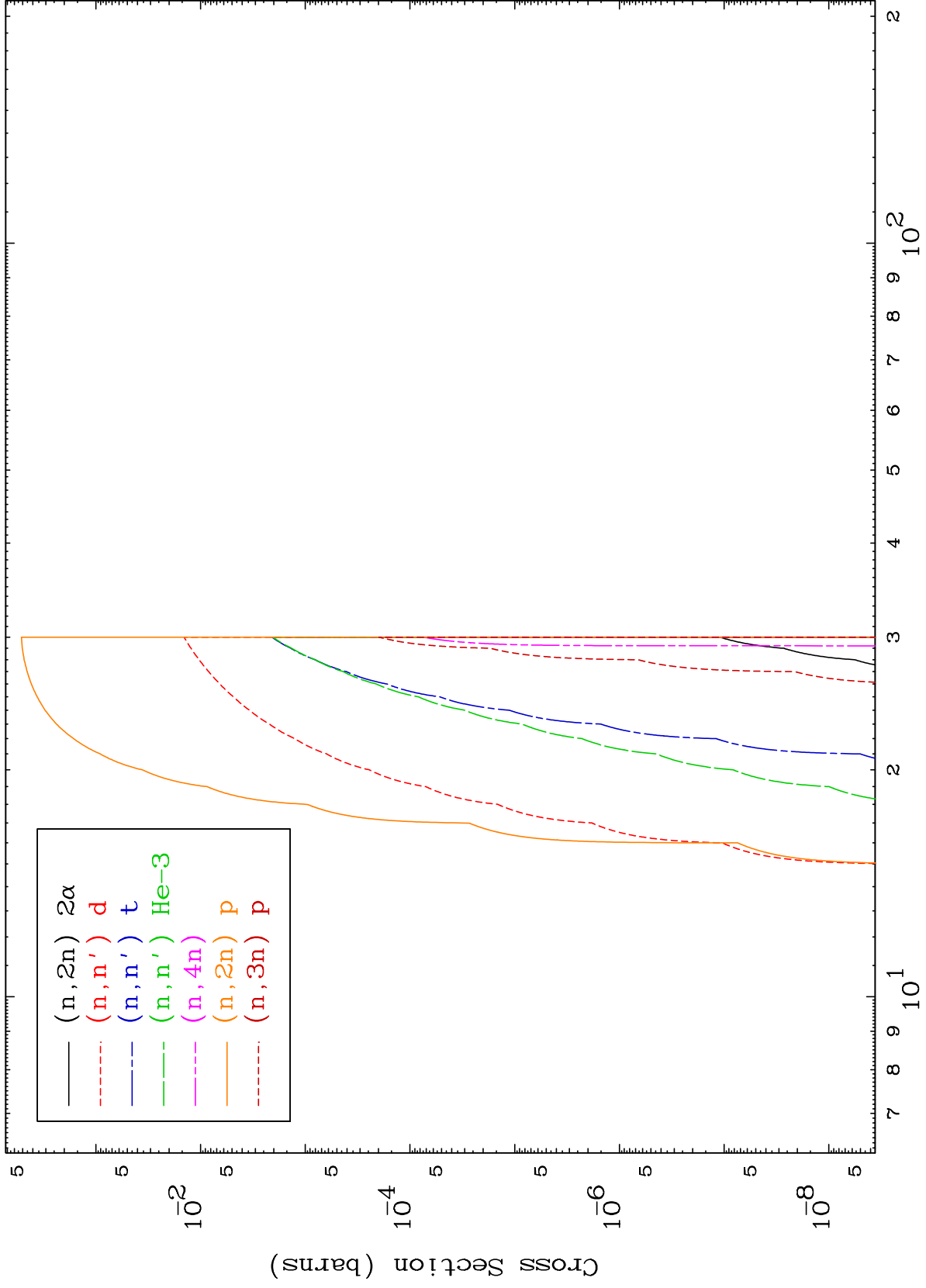




MAT 6004

Neutron Production
293 Kelvin Cross Sections

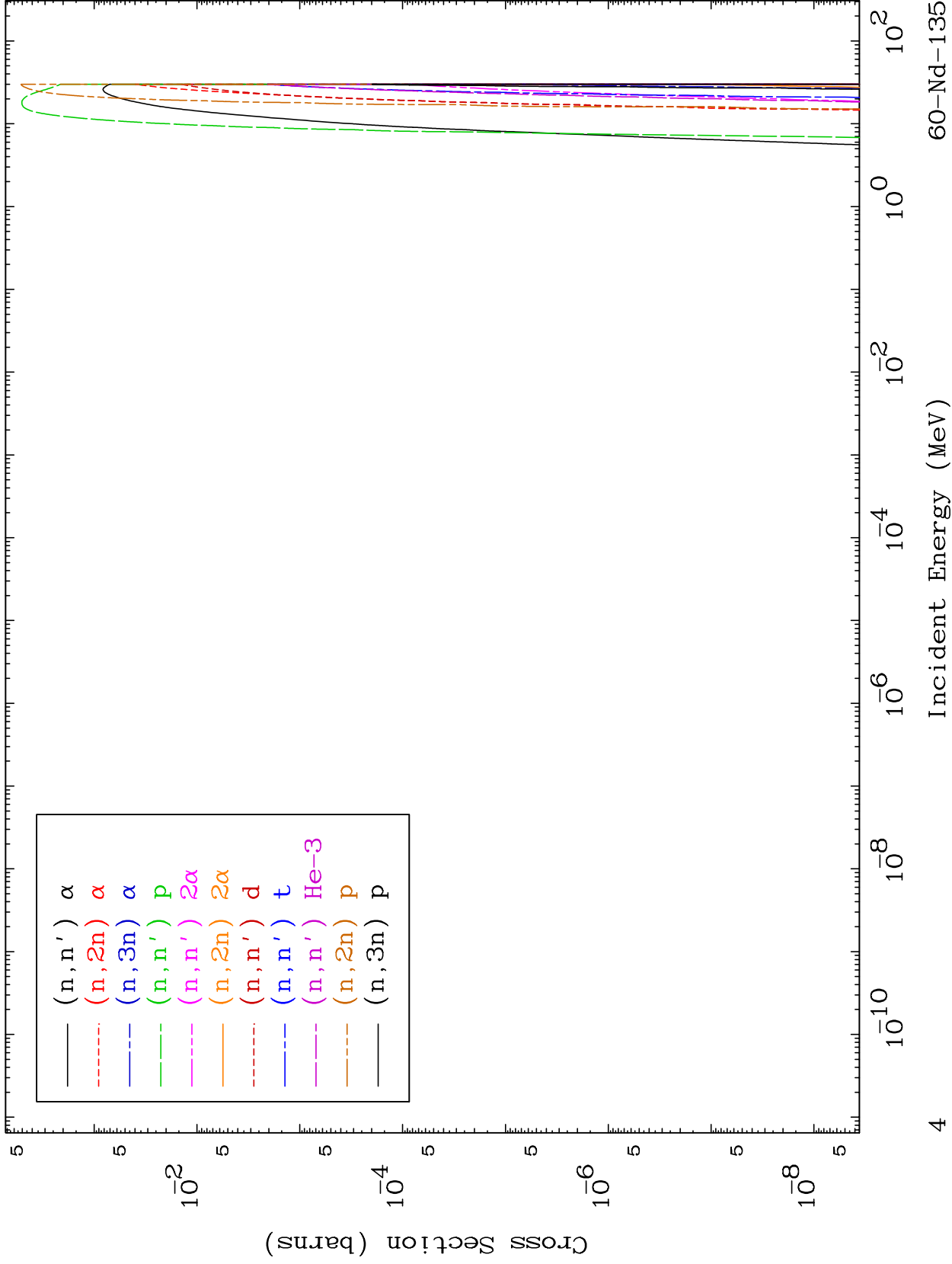
60-Nd-135



MAT 6004

Charged Particle
293 Kelvin Cross Sections

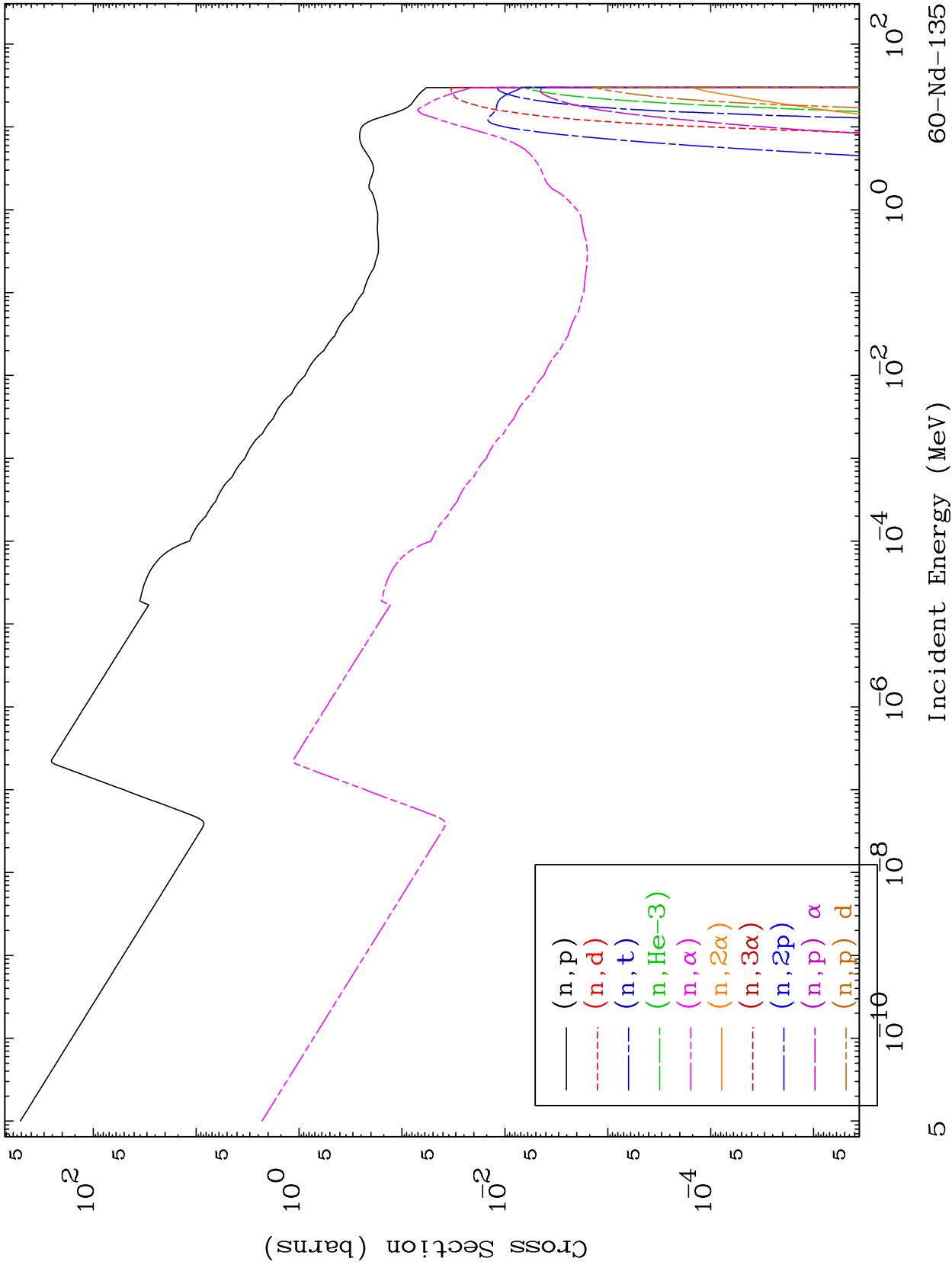
60-Nd-135



MAT 6004

Charged Particle
293 Kelvin Cross Sections

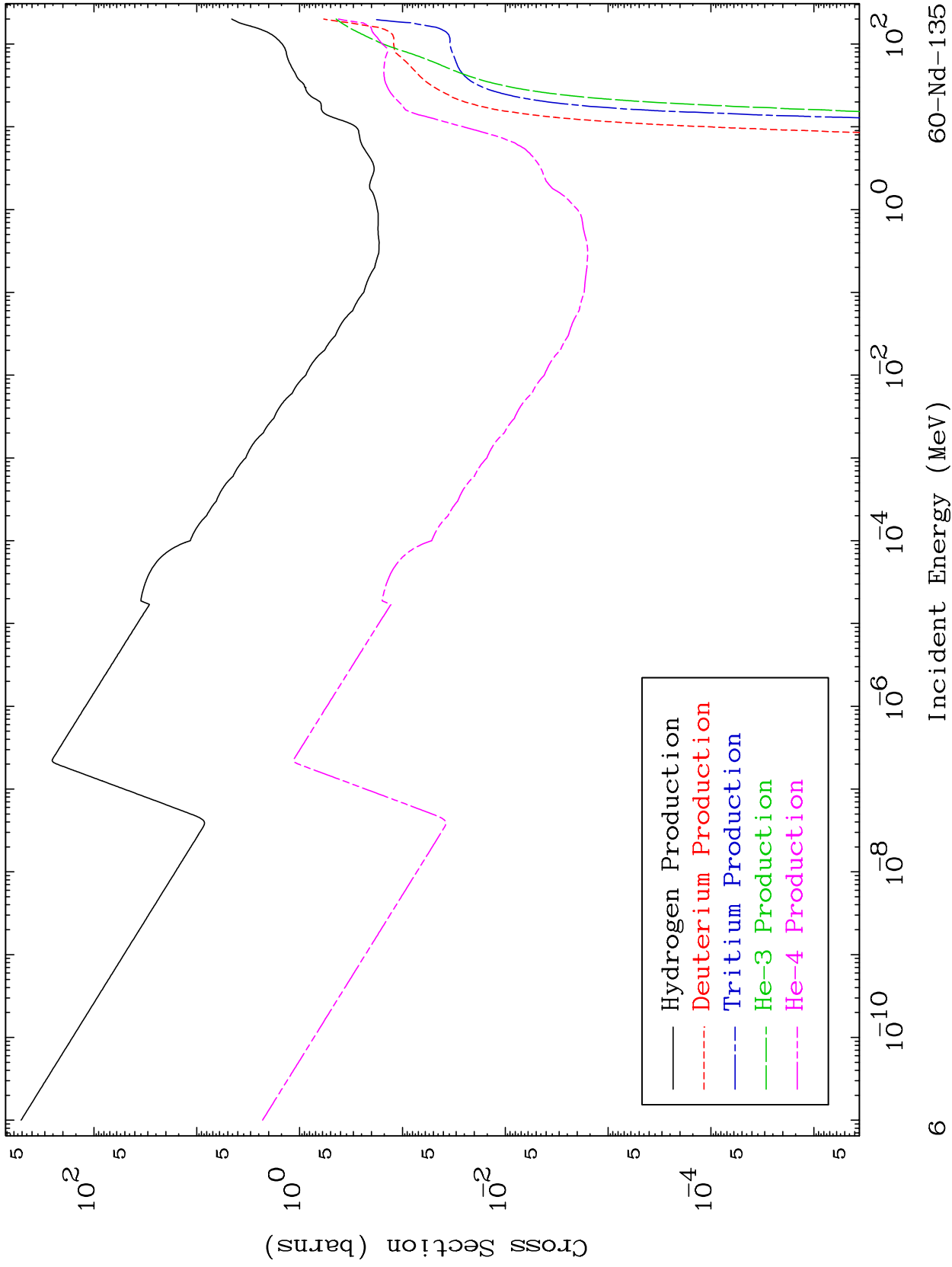
60-Nd-135



MAT 6004

Particle Production
293 Kelvin Cross Sections

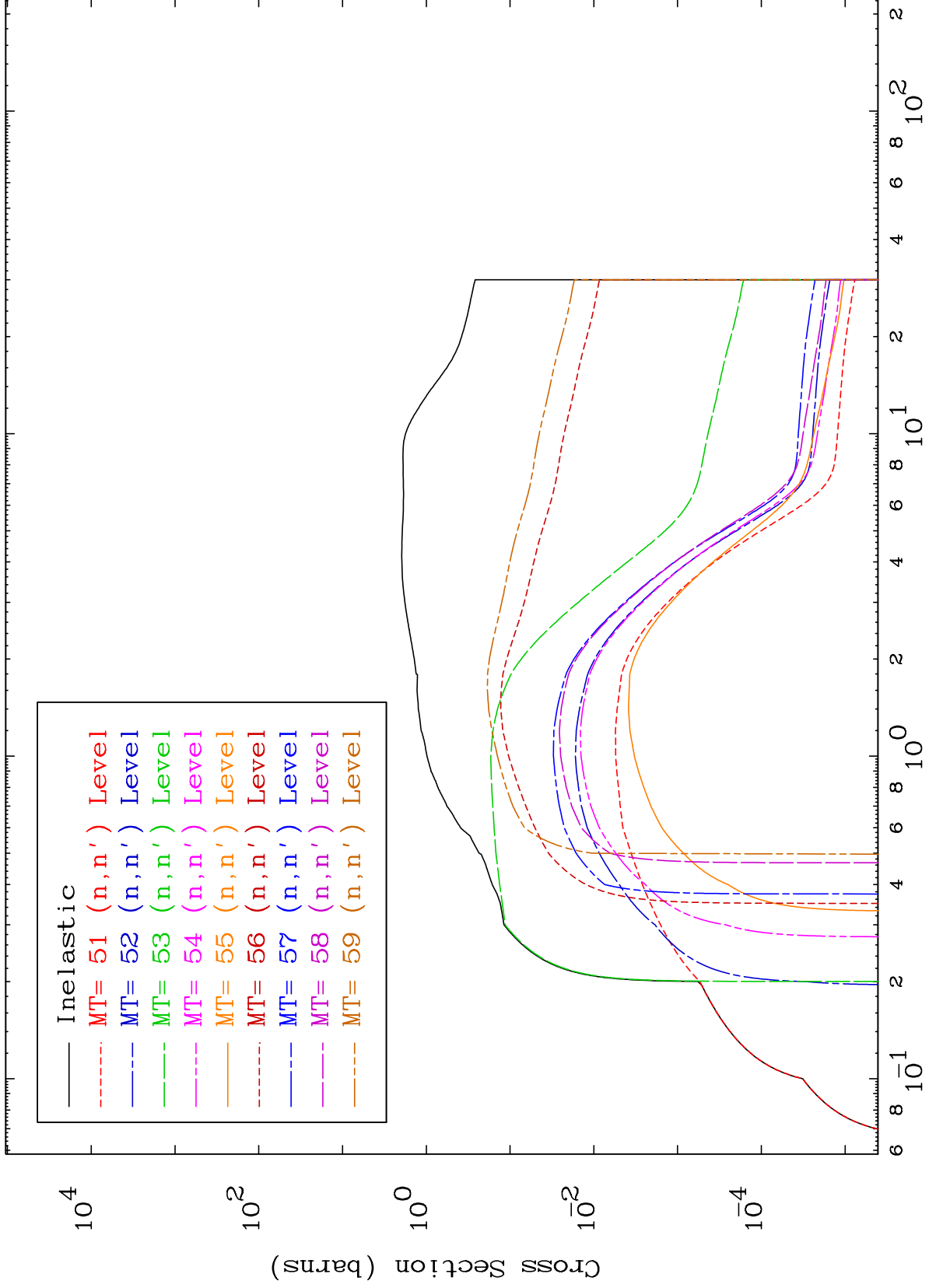
60-Nd-135



MAT 6004

(n,n') Level
293 Kelvin Cross Sections

60-Nd-135

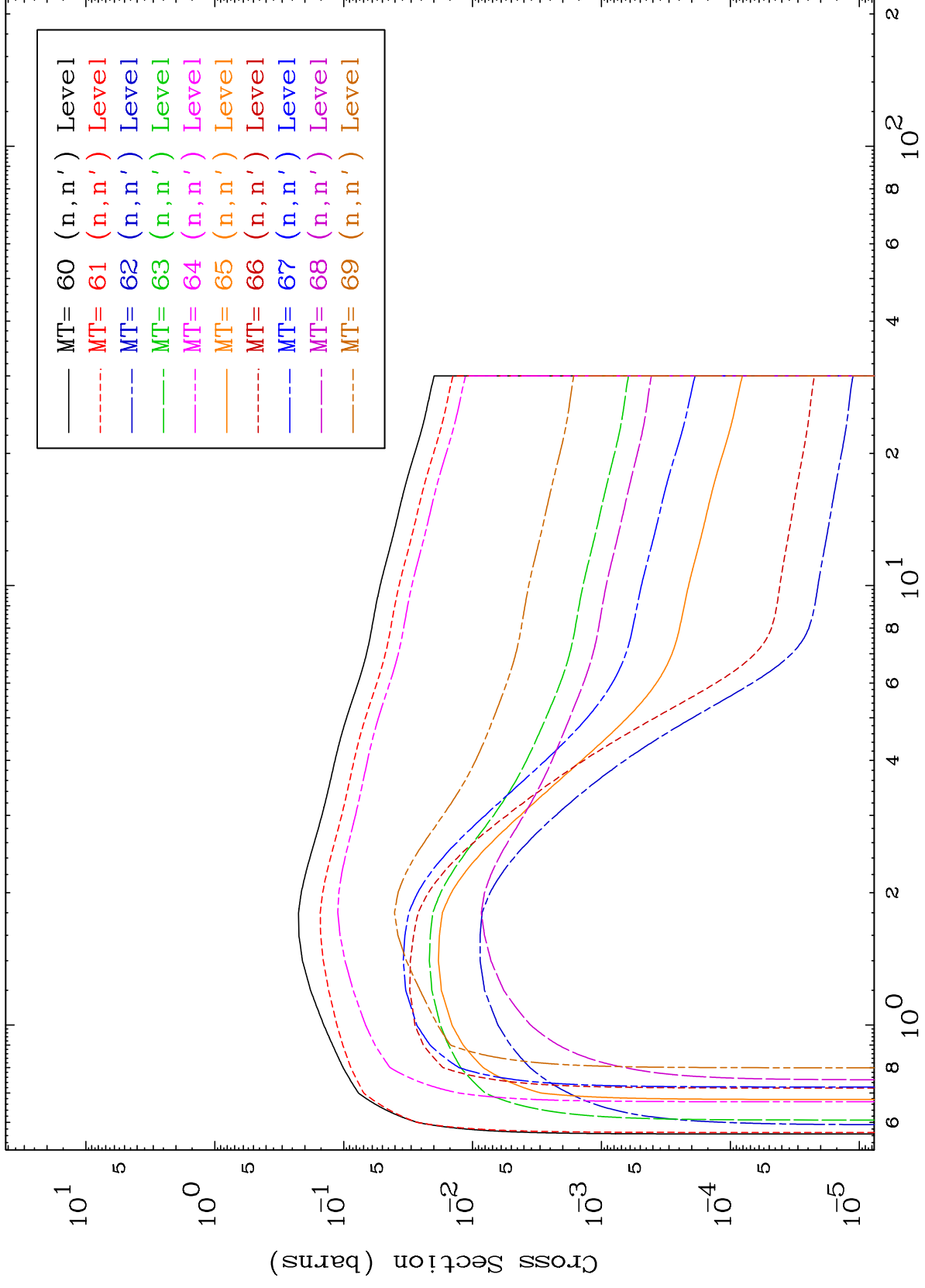


MAT 6004

(n,n') Level

60-Nd-135

293 Kelvin Cross Sections



8

Incident Energy (MeV)

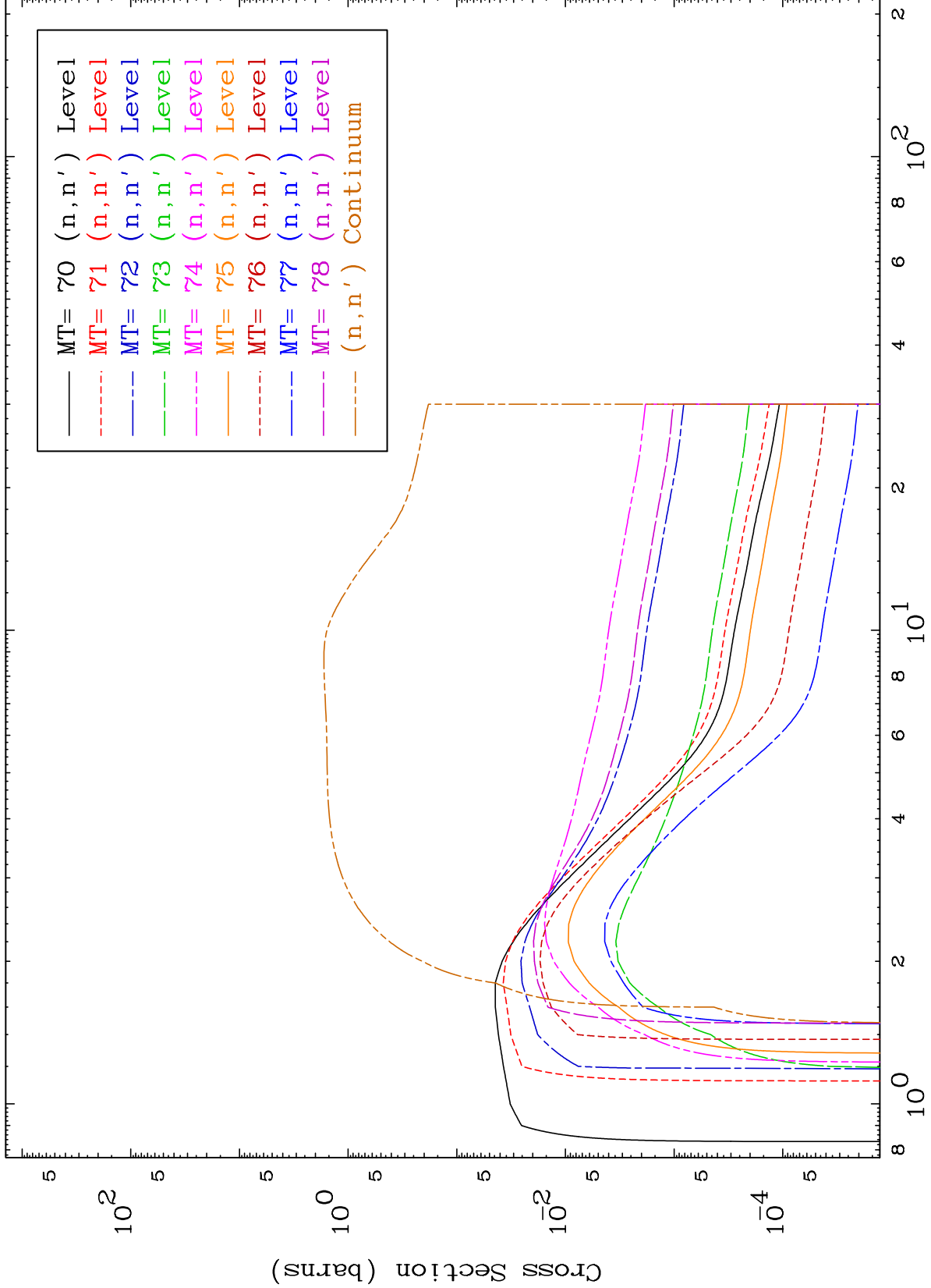
60-Nd-135

MAT 6004

(n,n') Level

60-Nd-135

293 Kelvin Cross Sections



Incident Energy (MeV)

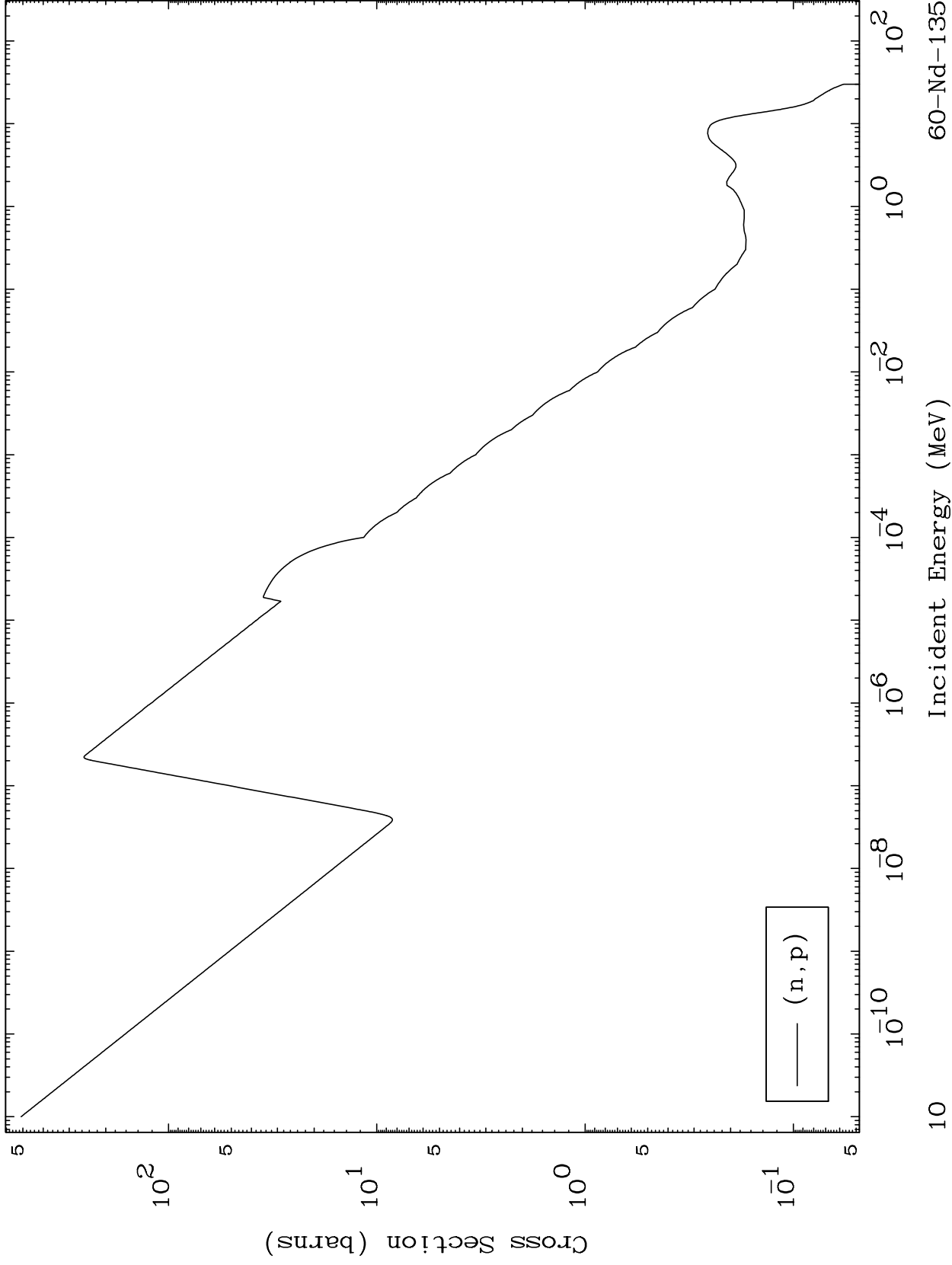
60-Nd-135

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MAT 6004

(n,p) Levels
293 Kelvin Cross Sections

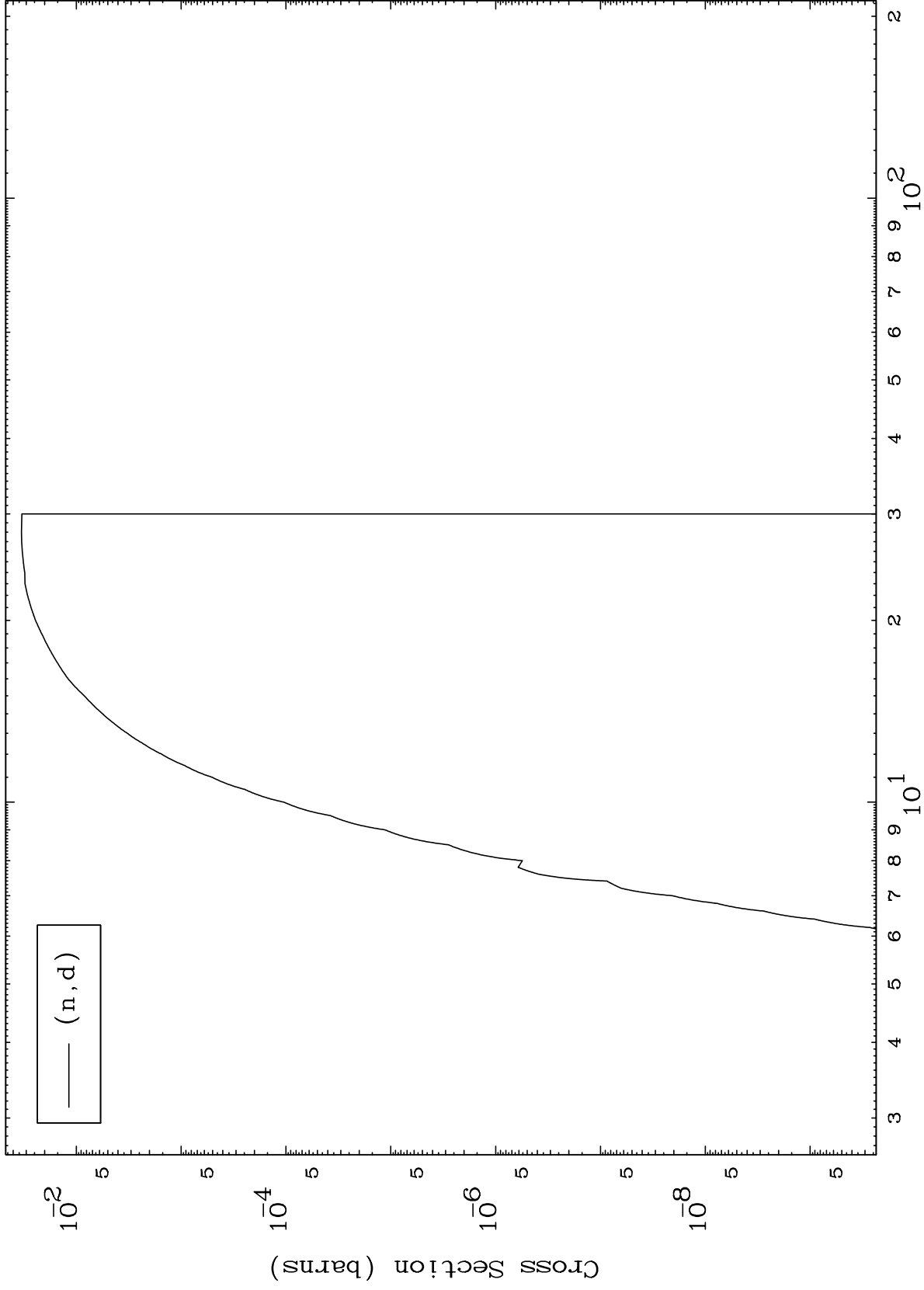
60-Nd-135



MAT 6004

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-135



11

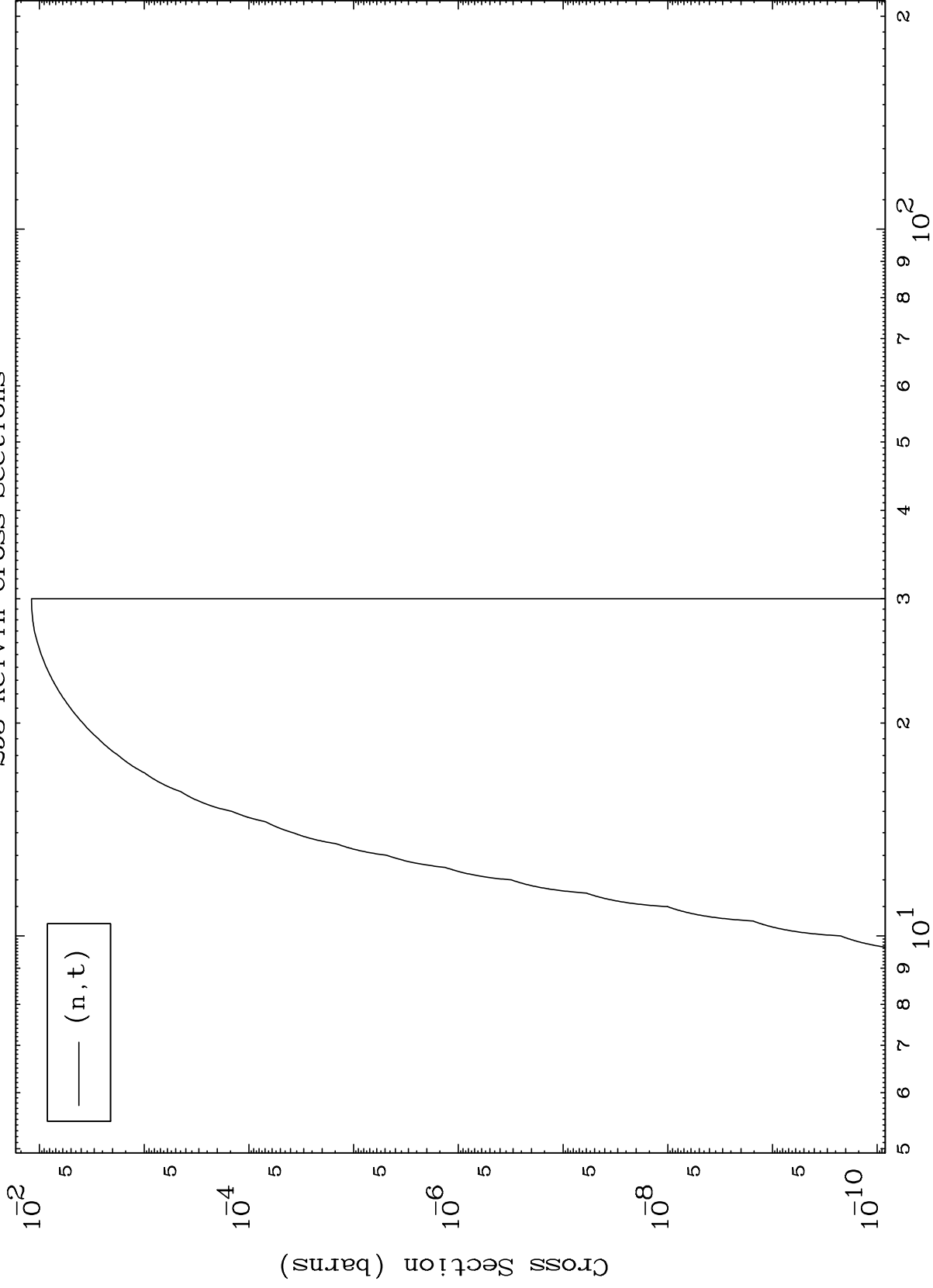
Incident Energy (MeV)

60-Nd-135

MAT 6004

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-135



12

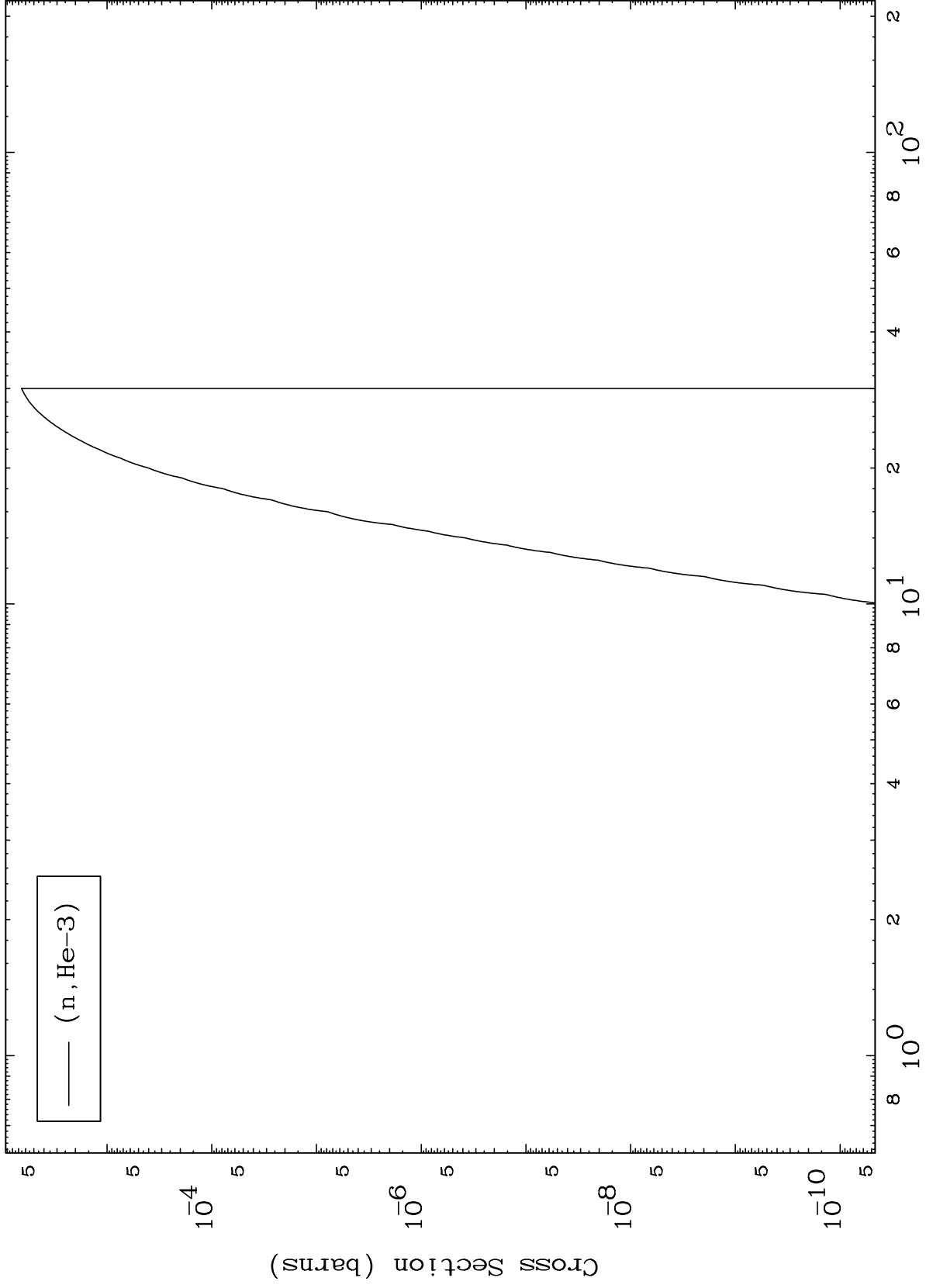
Incident Energy (MeV)

60-Nd-135

MAT 6004

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-135



13

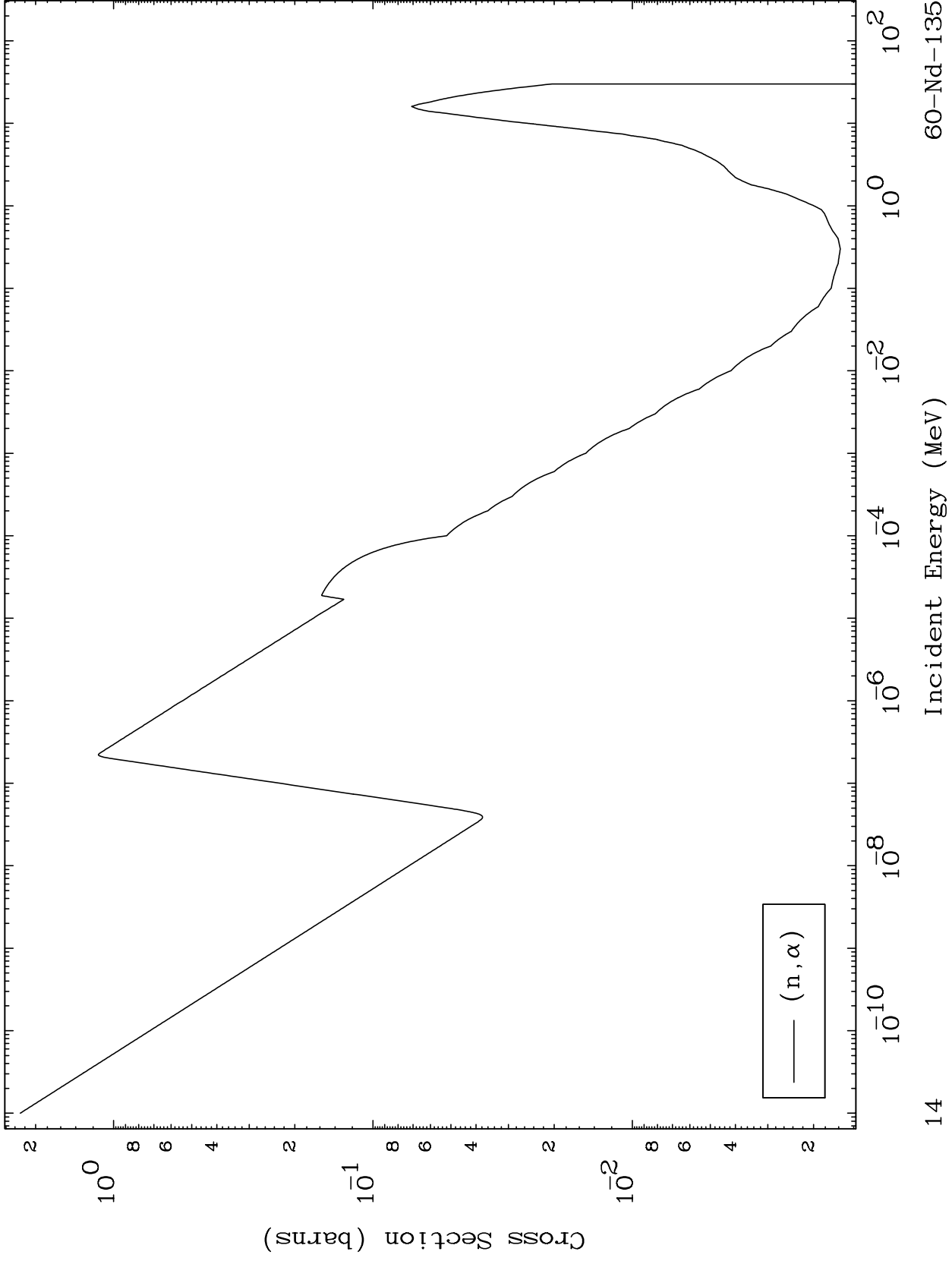
Incident Energy (MeV)

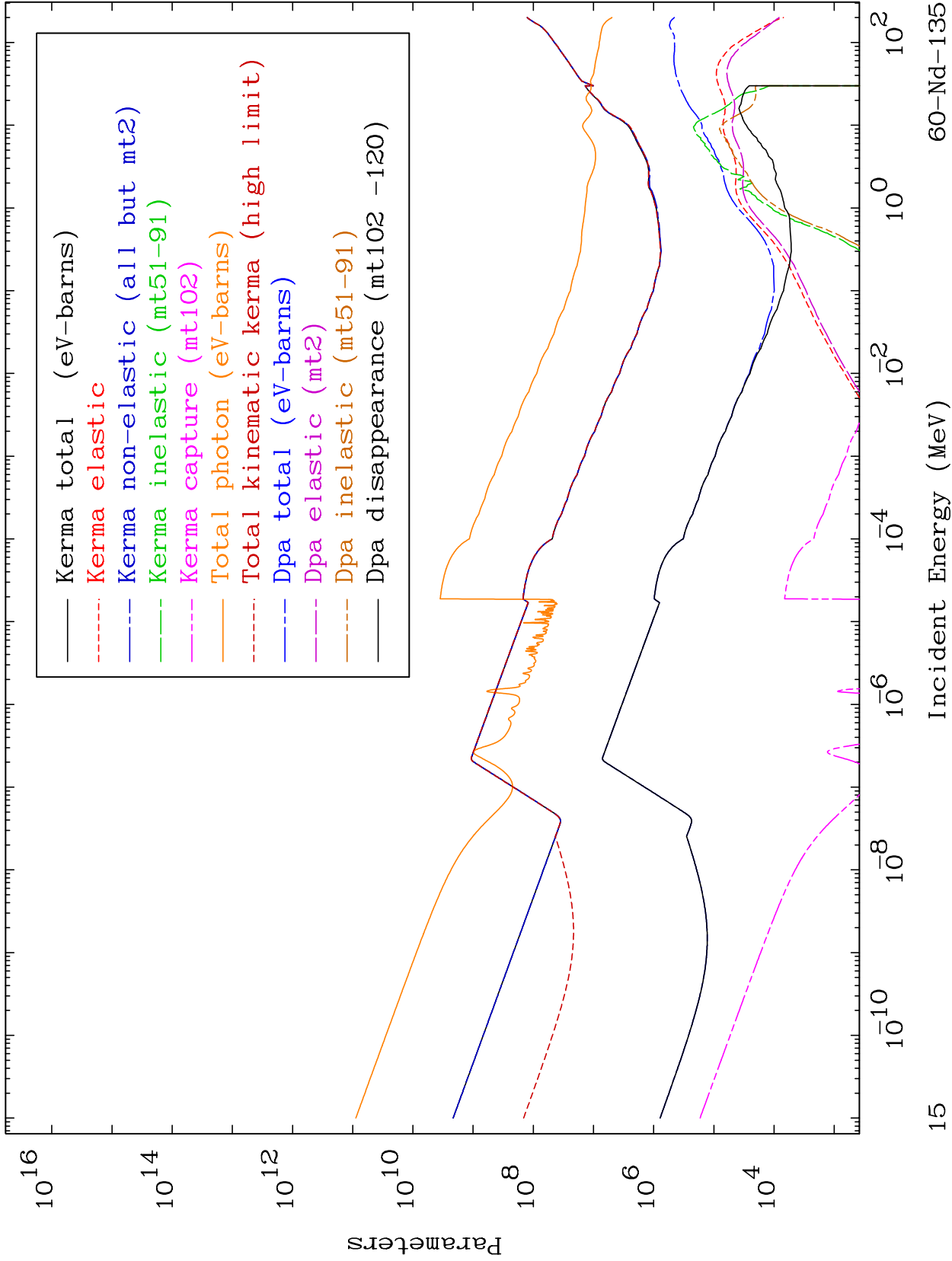
60-Nd-135

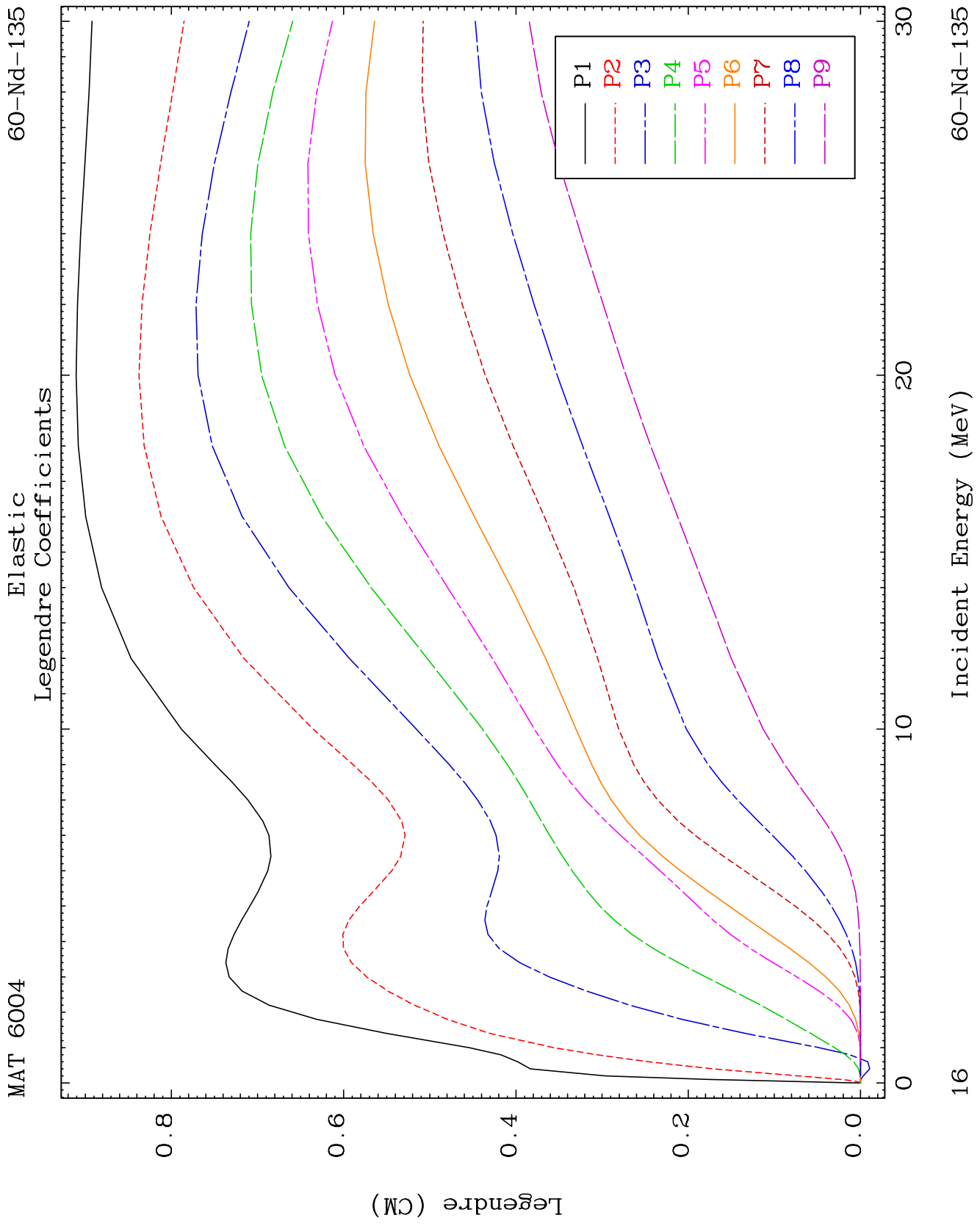
MAT 6004

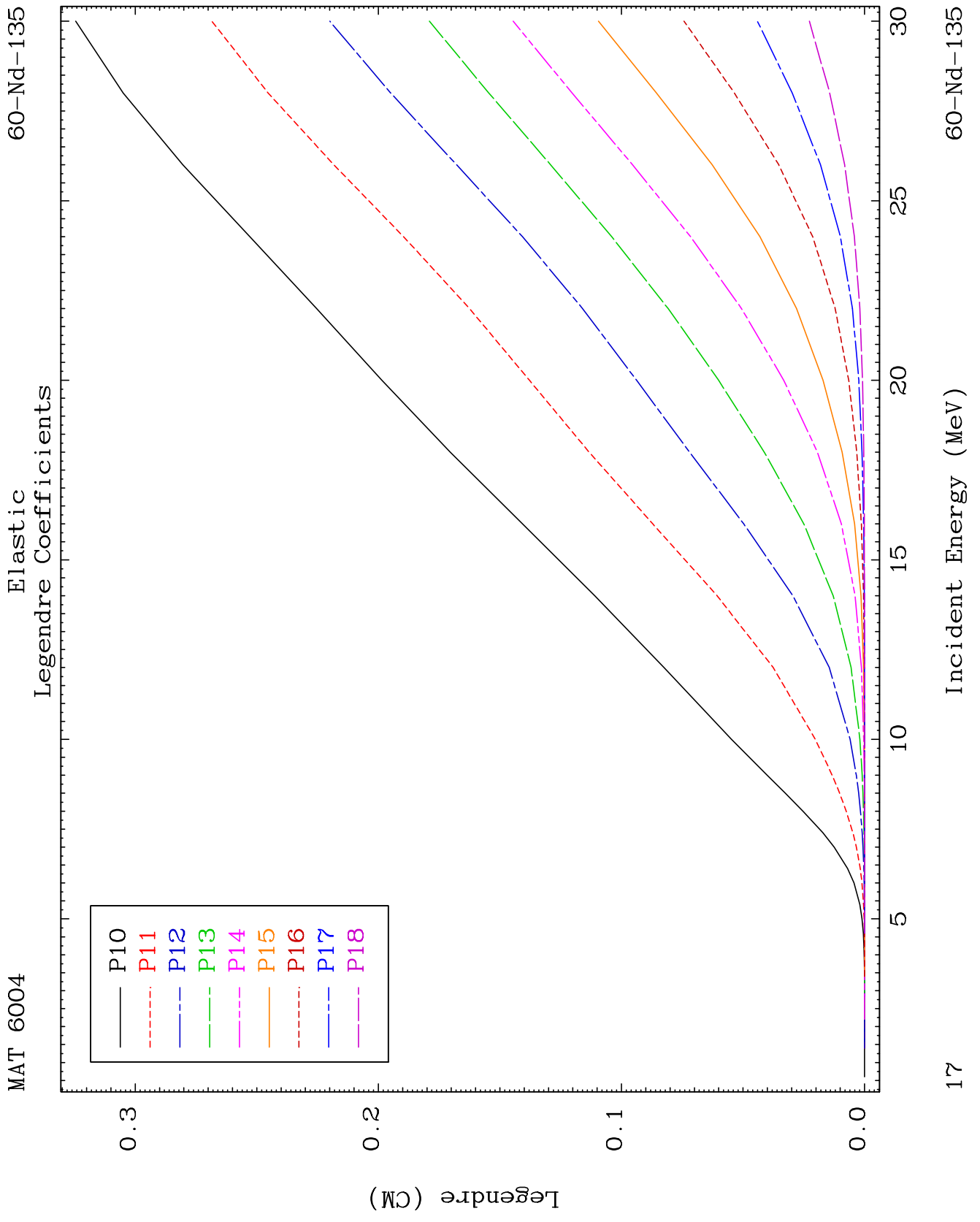
(n,α) Levels
293 Kelvin Cross Sections

60-Nd-135





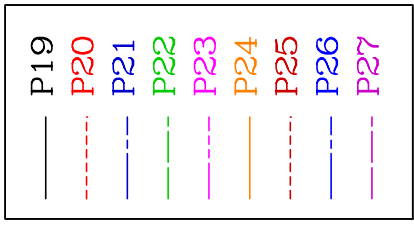
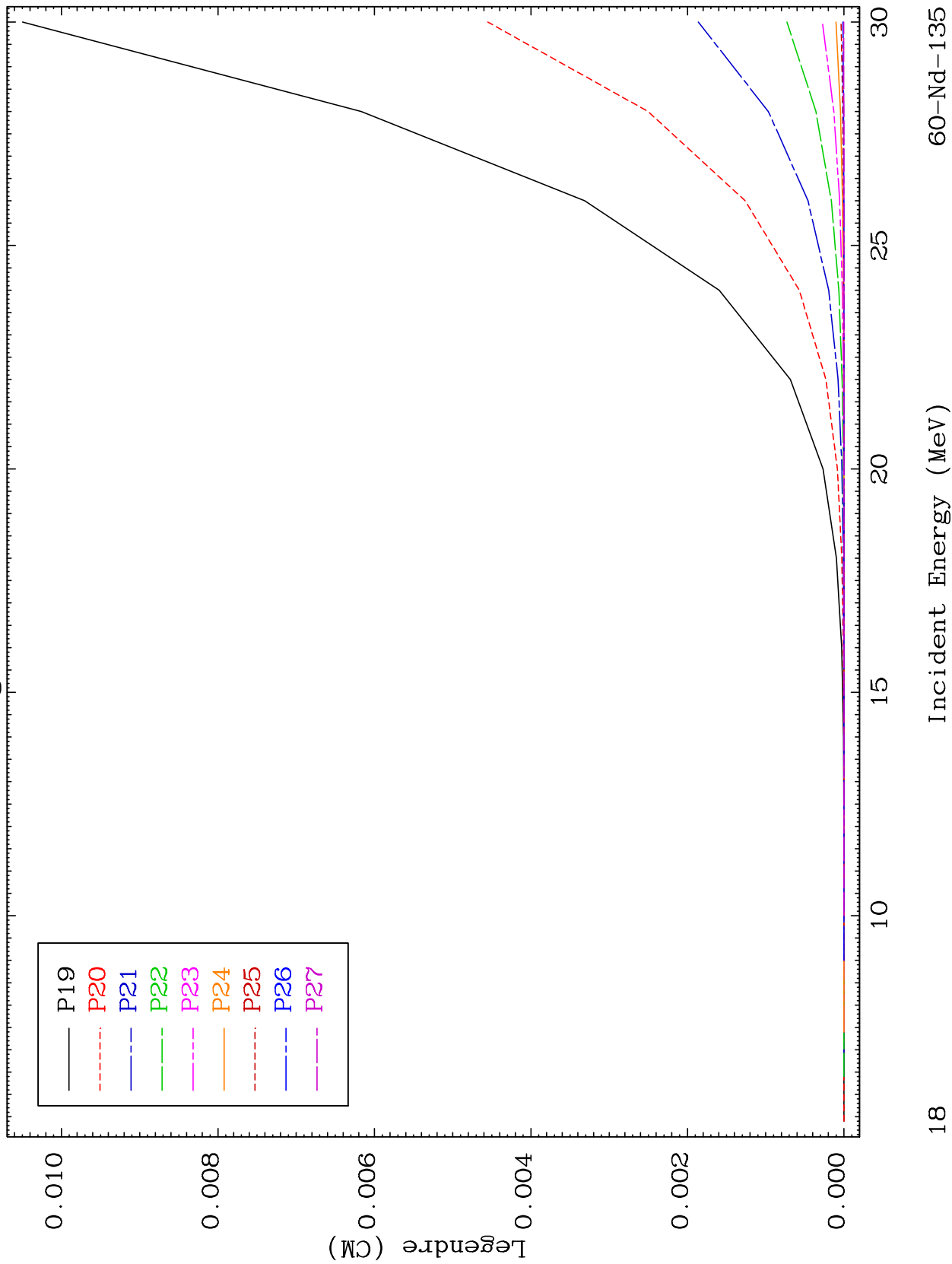




MAT 6004

Elastic Legendre Coefficients

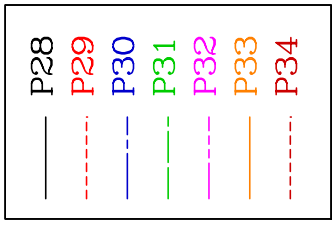
⁶⁰Nd-135



MAT 6004

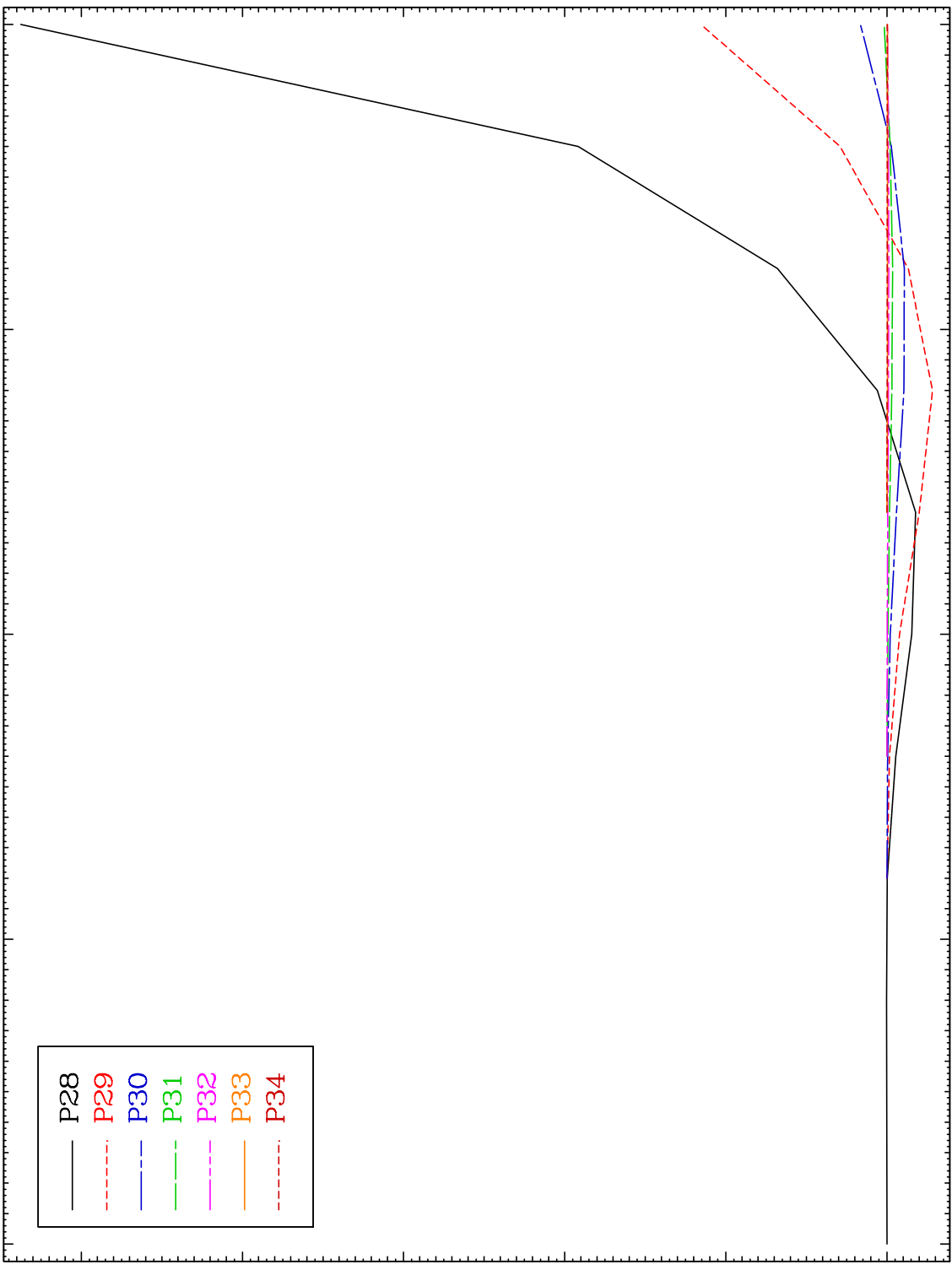
Elastic Legendre Coefficients

60-Nd-135



$\times 10^{-6}$

Legendre (CM)



30

25

20

15

10

Incident Energy (MeV)

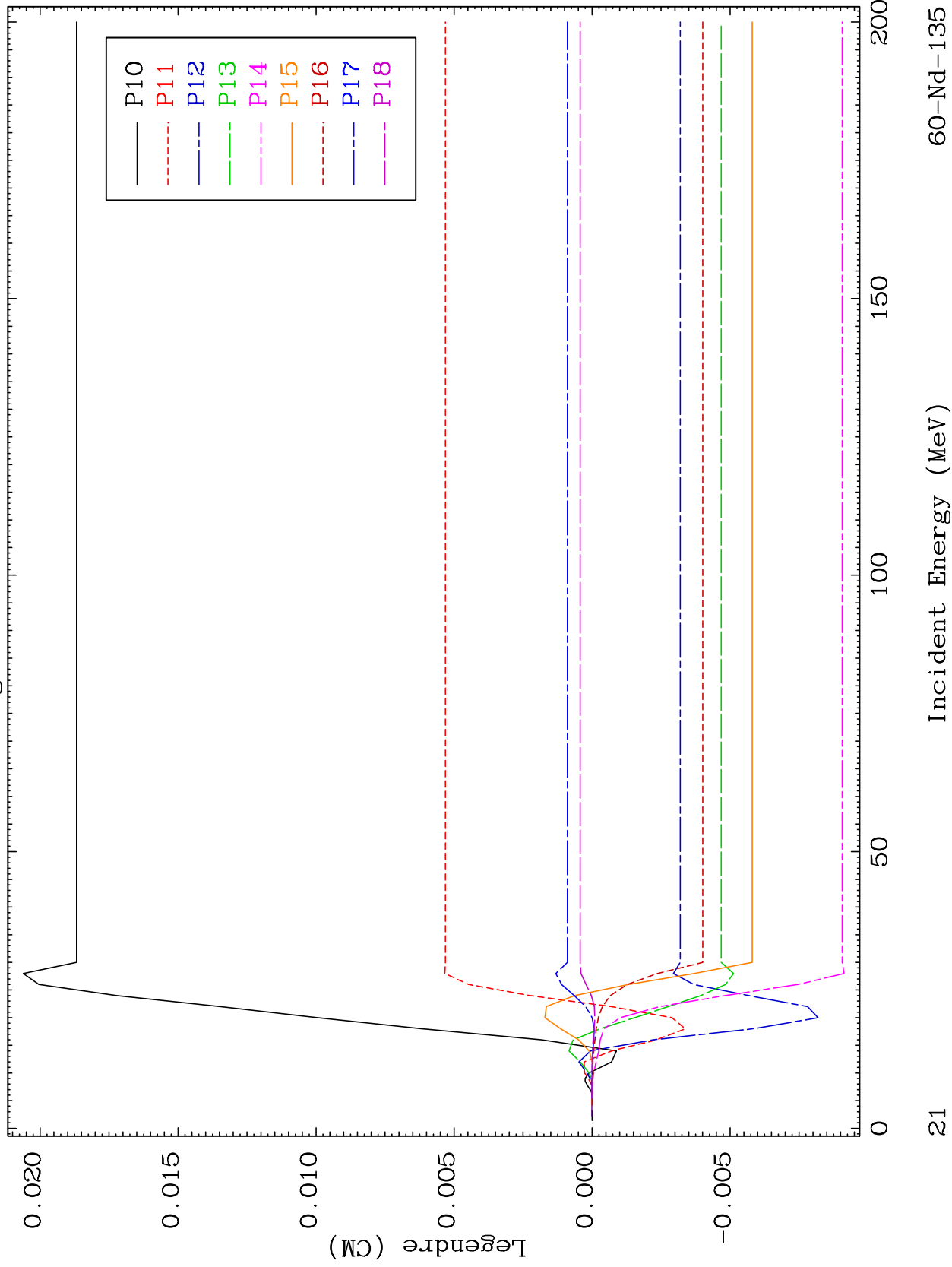
60-Nd-135

19

MAT 6004

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

60-Nd-135



21

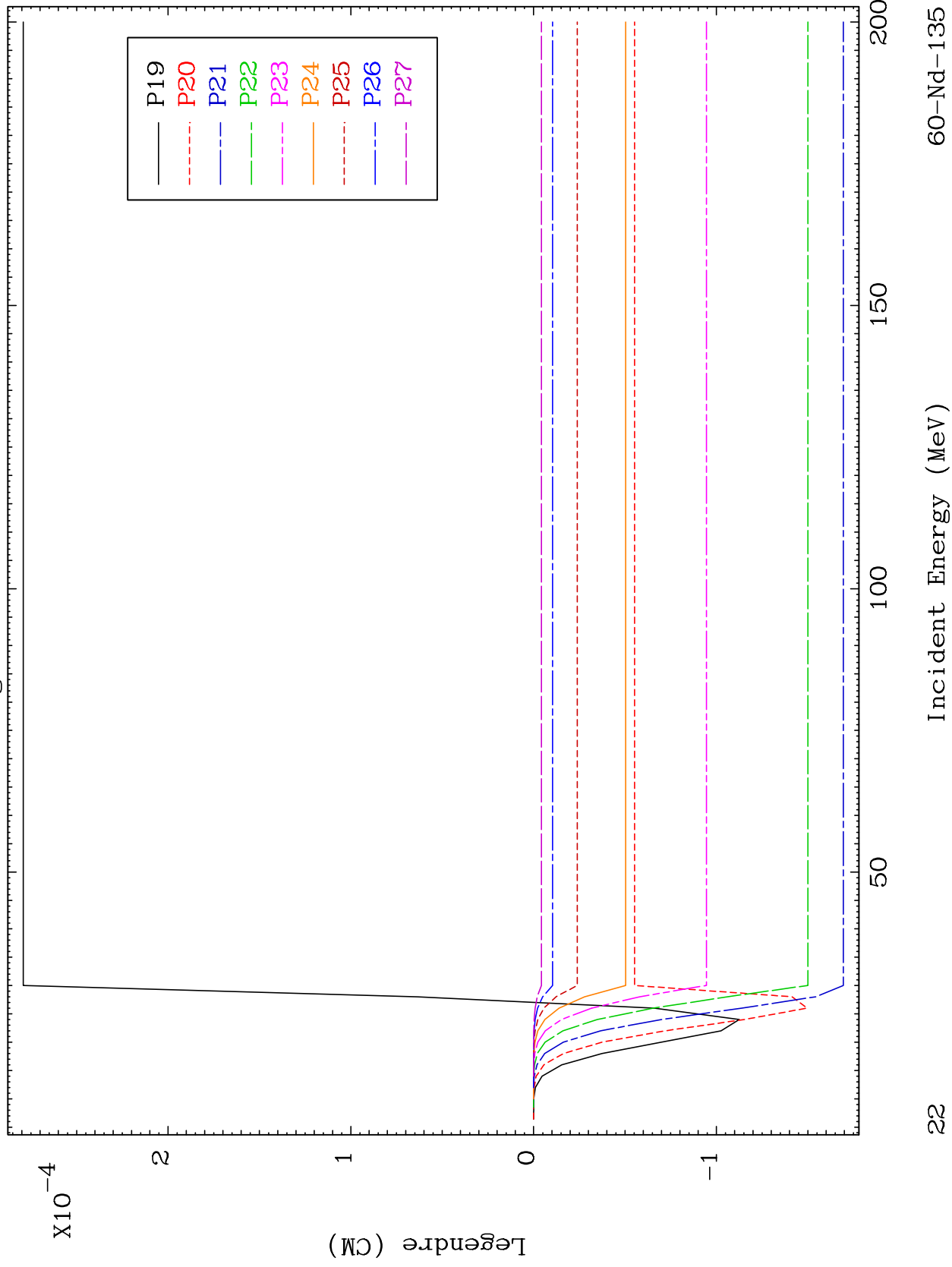
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

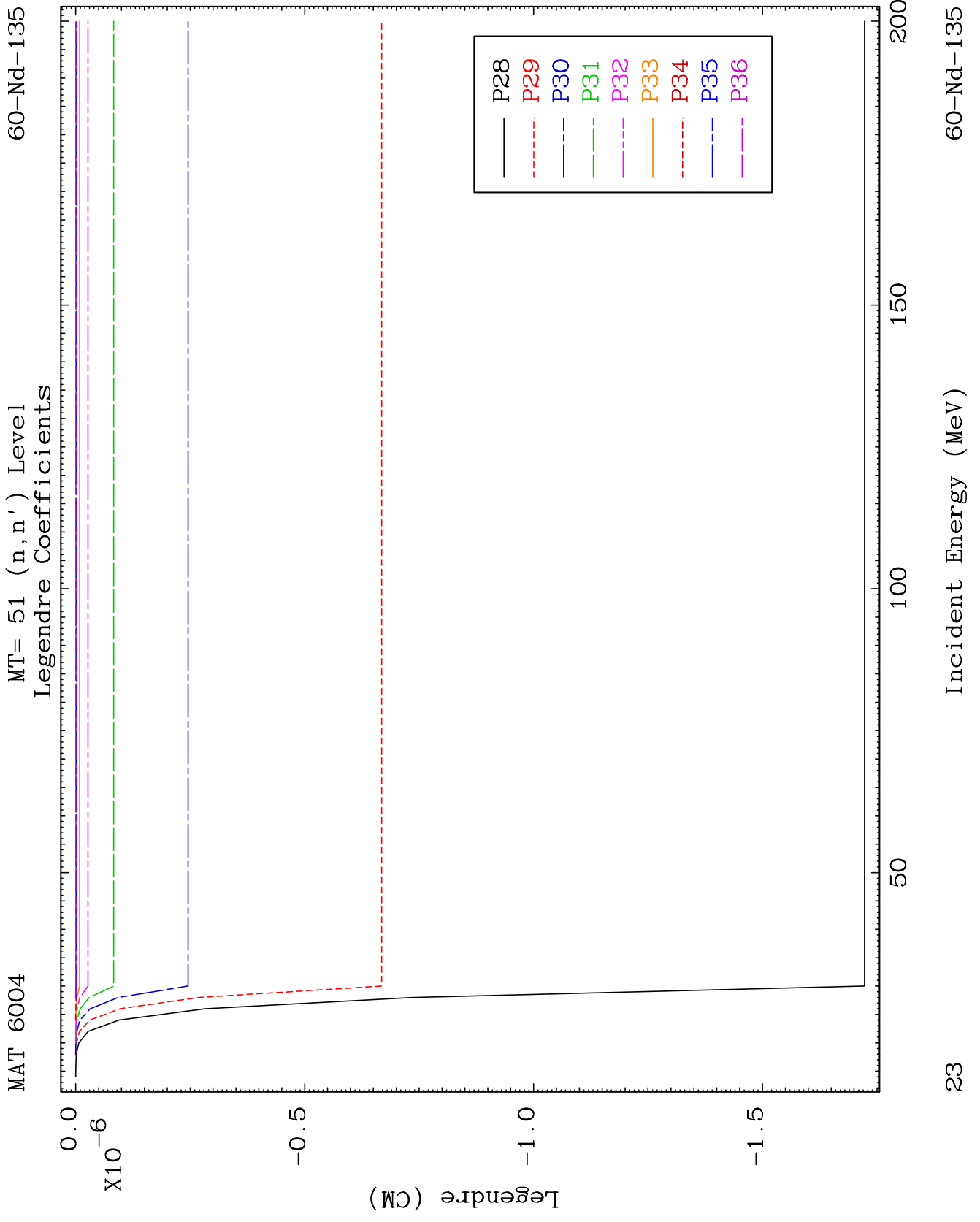
60-Nd-135

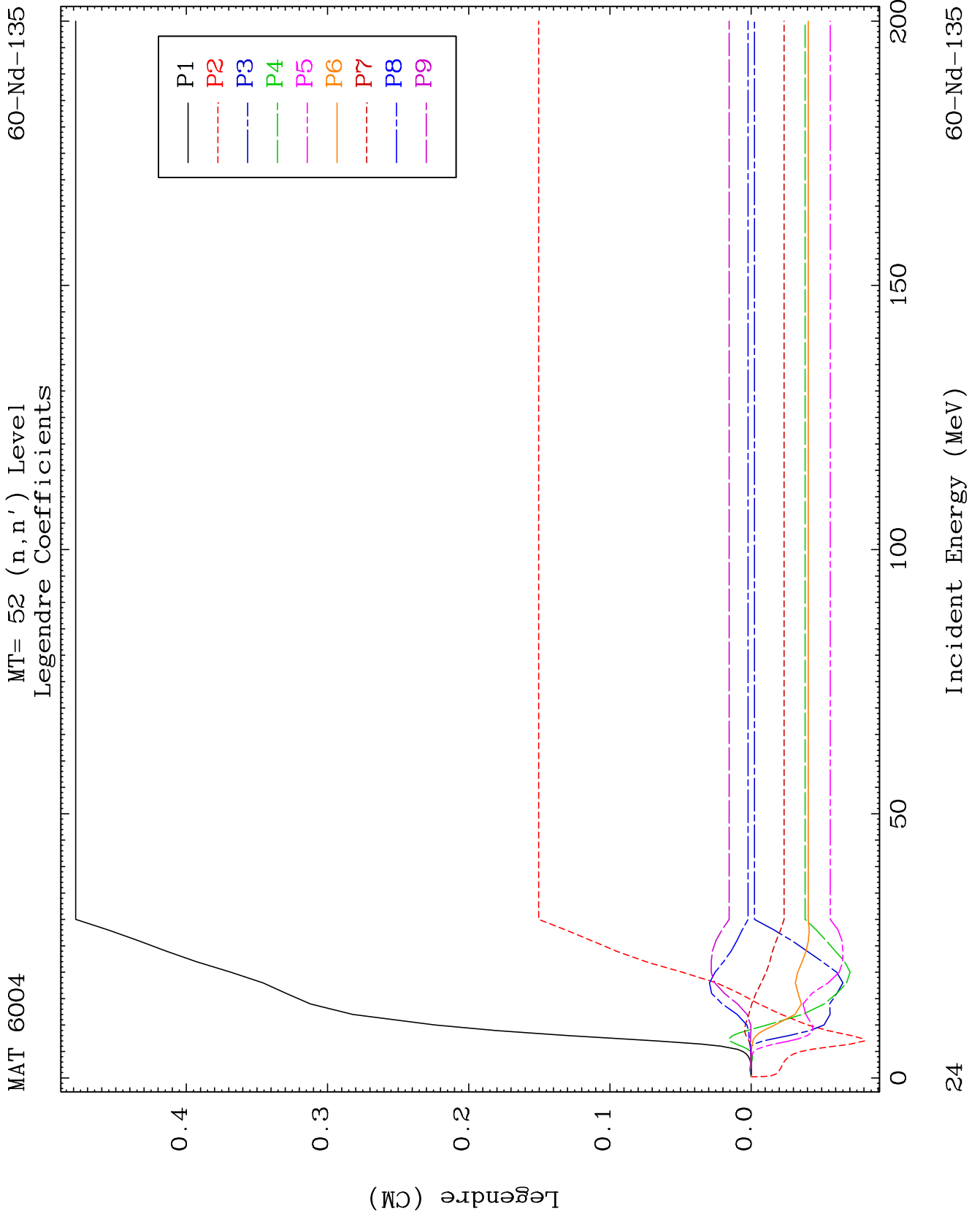


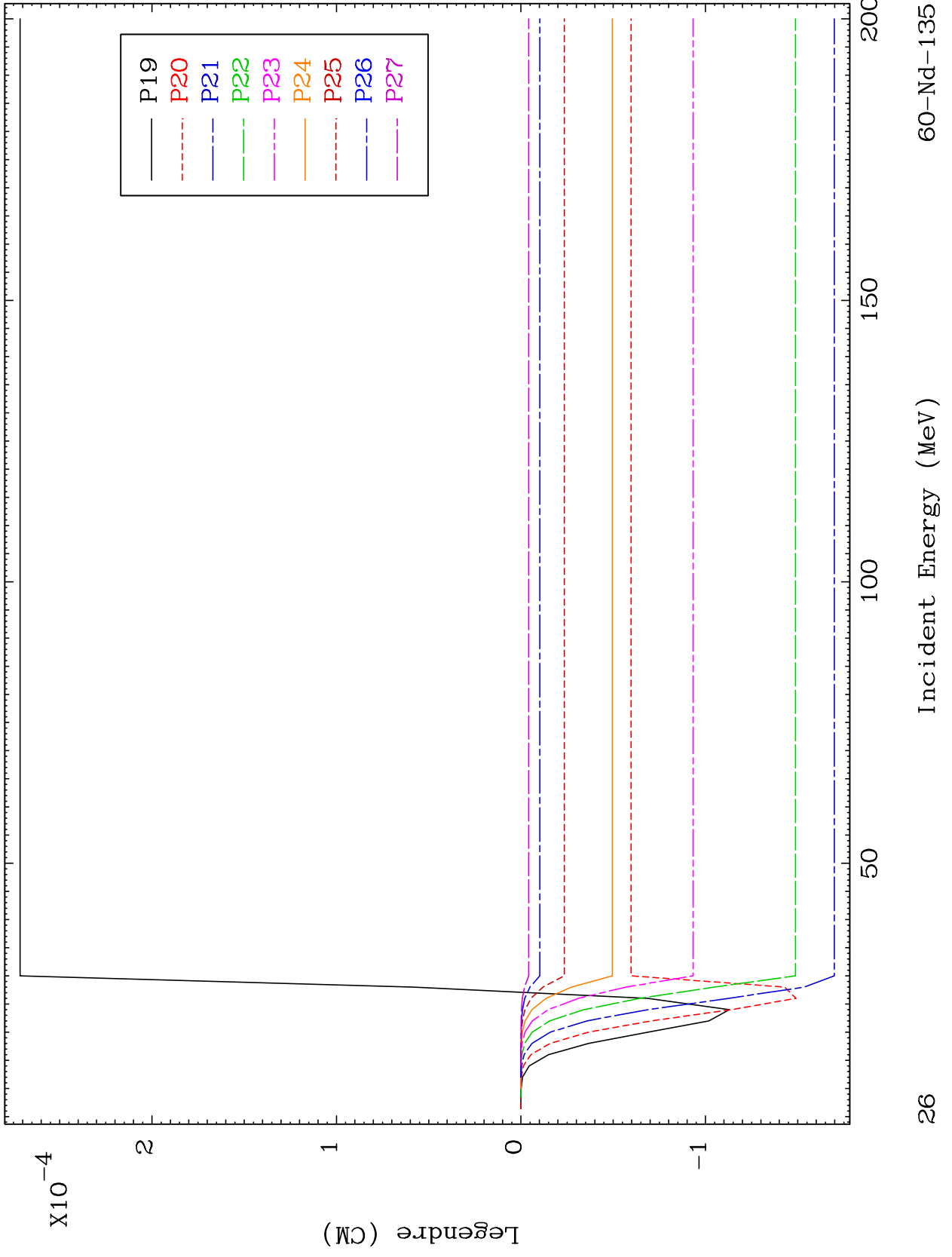
22

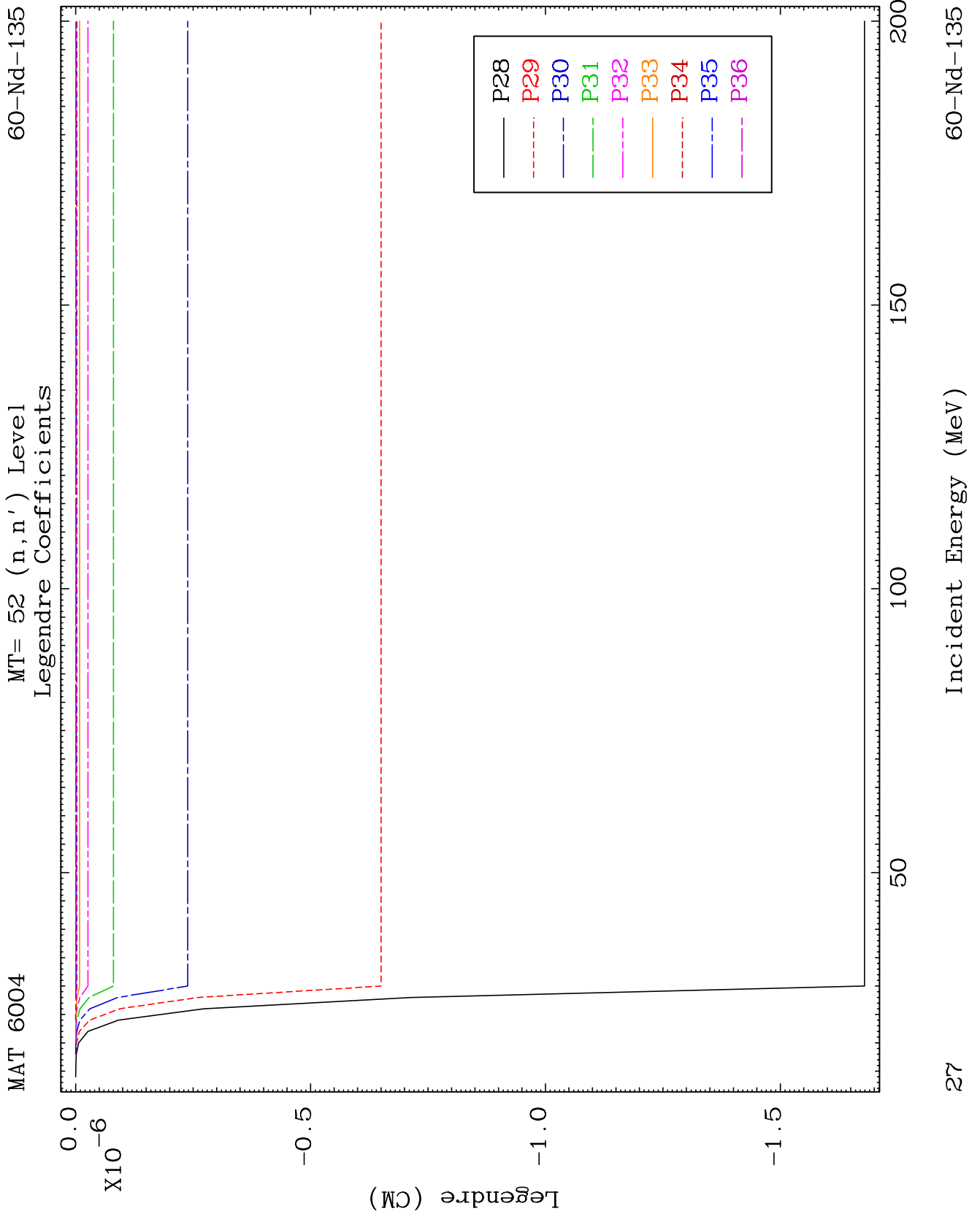
Incident Energy (MeV)

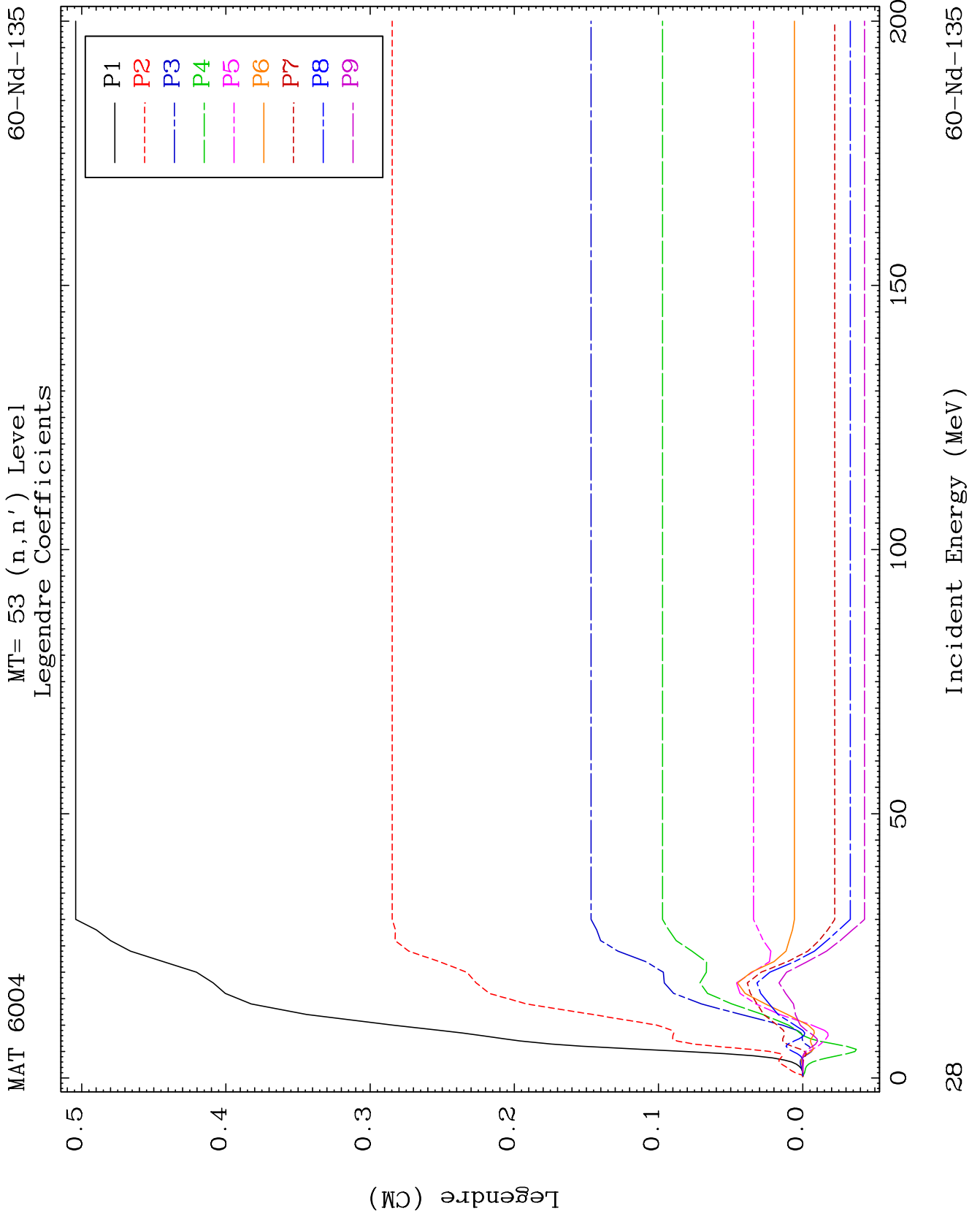
60-Nd-135

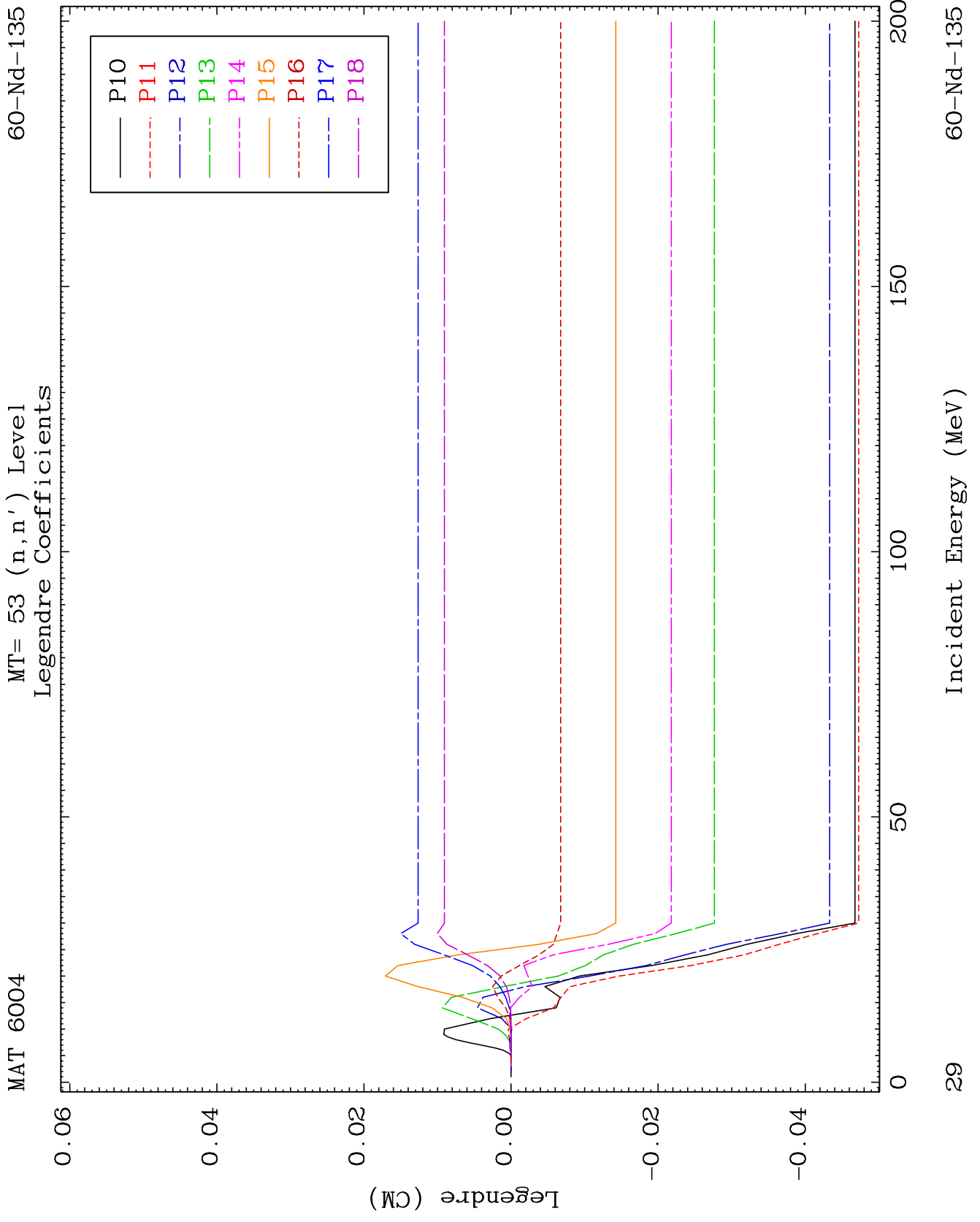


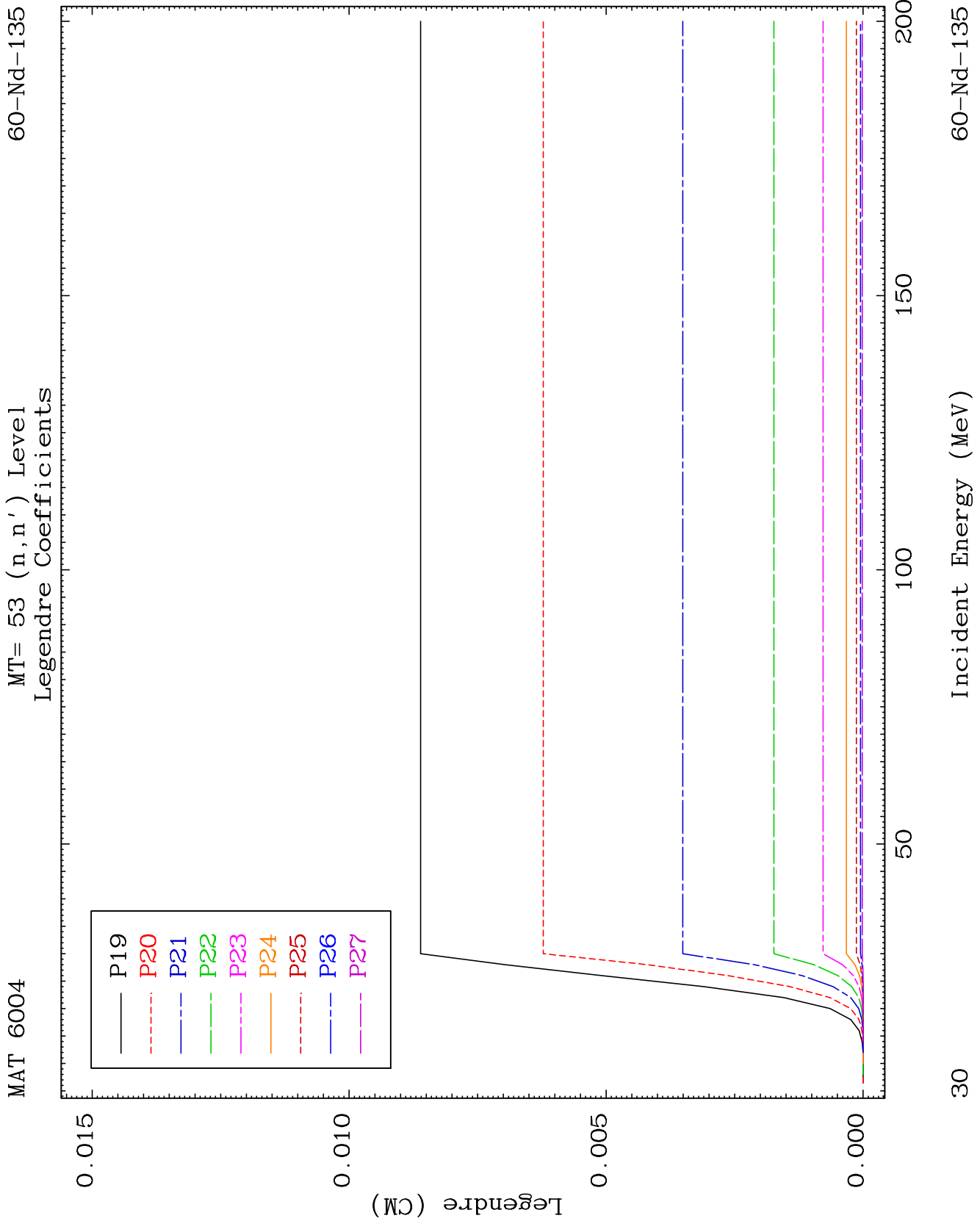








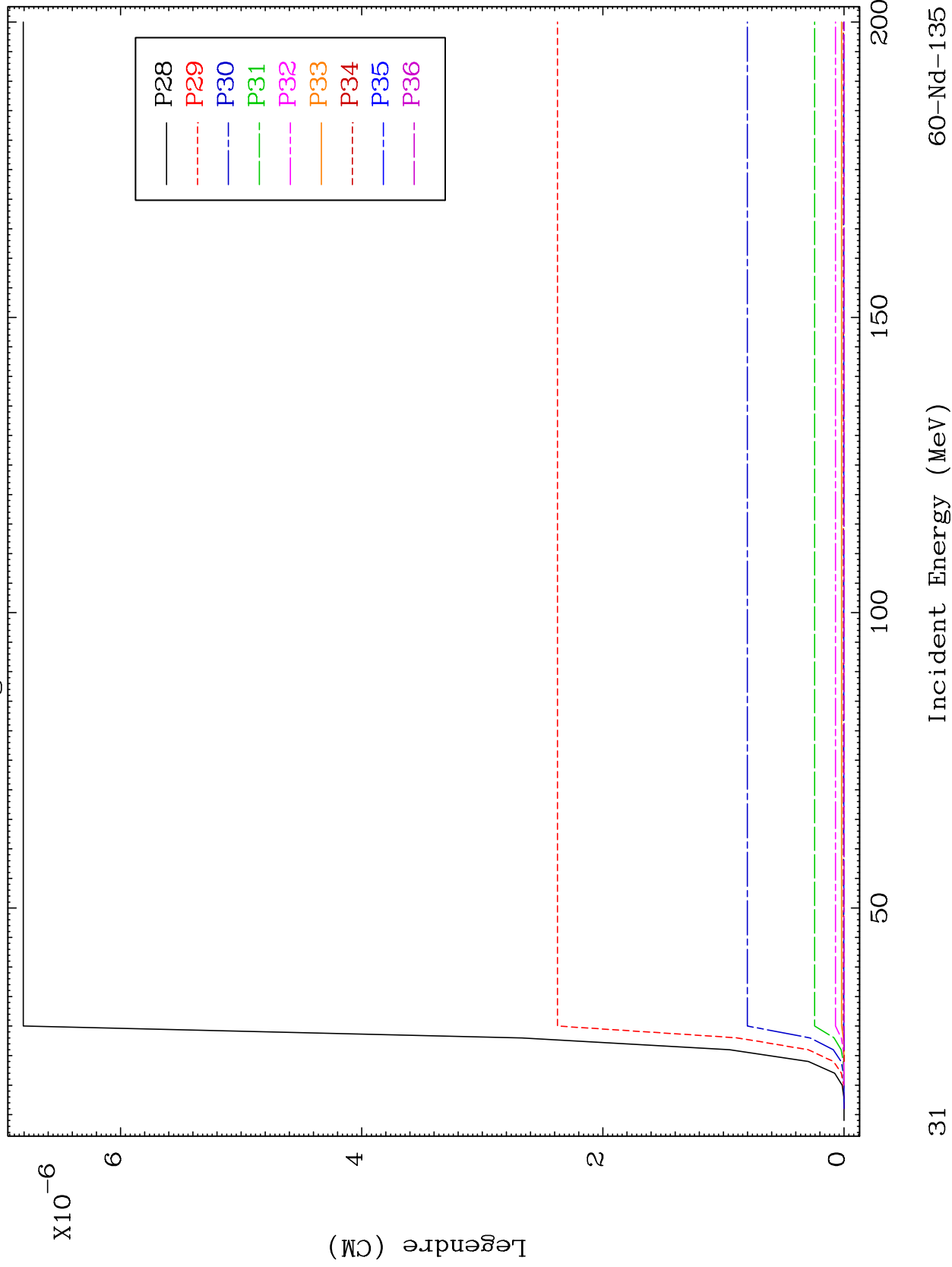




MAT 6004

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

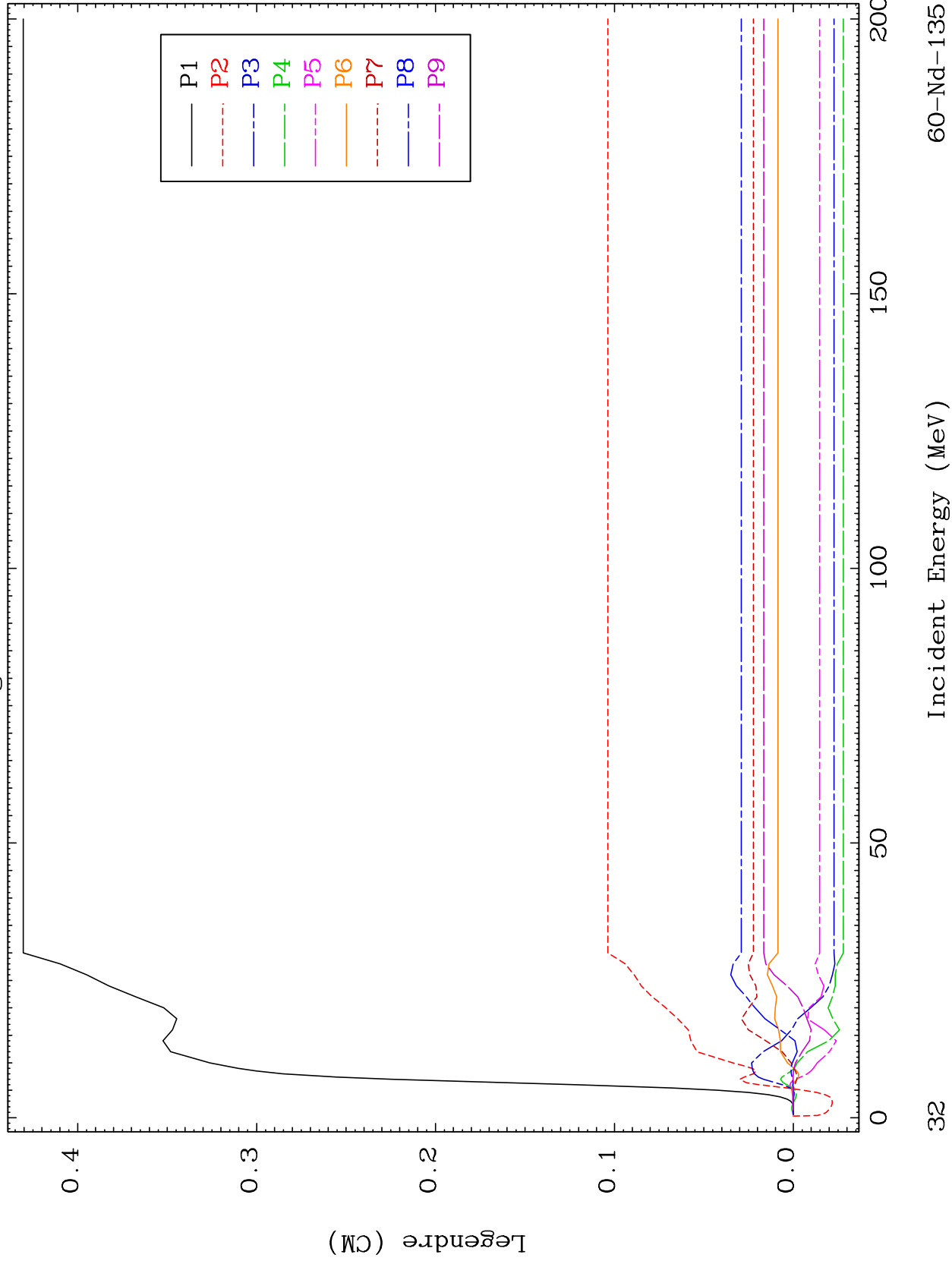
60-Nd-135



MAT 6004

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

60-Nd-135



32

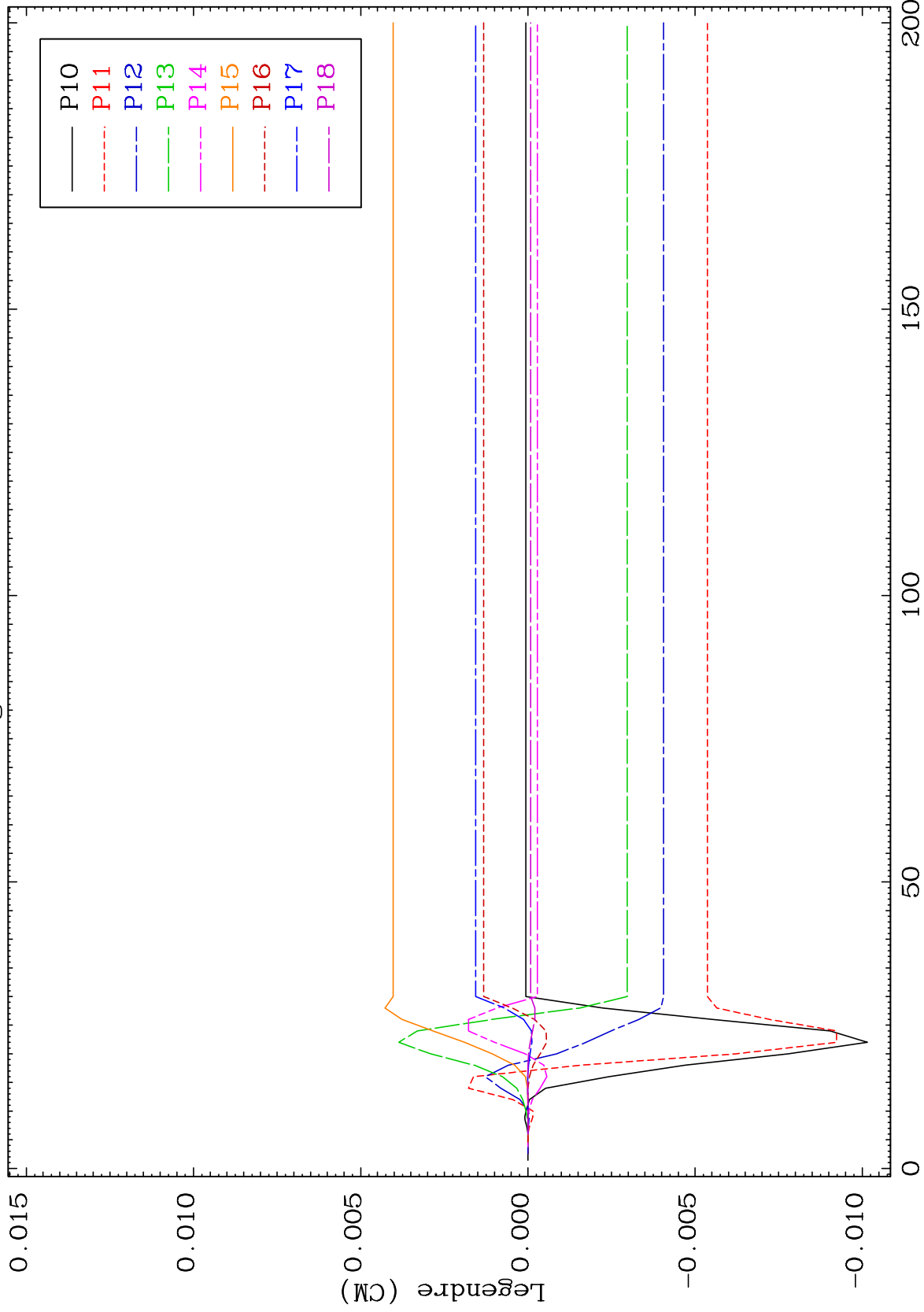
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

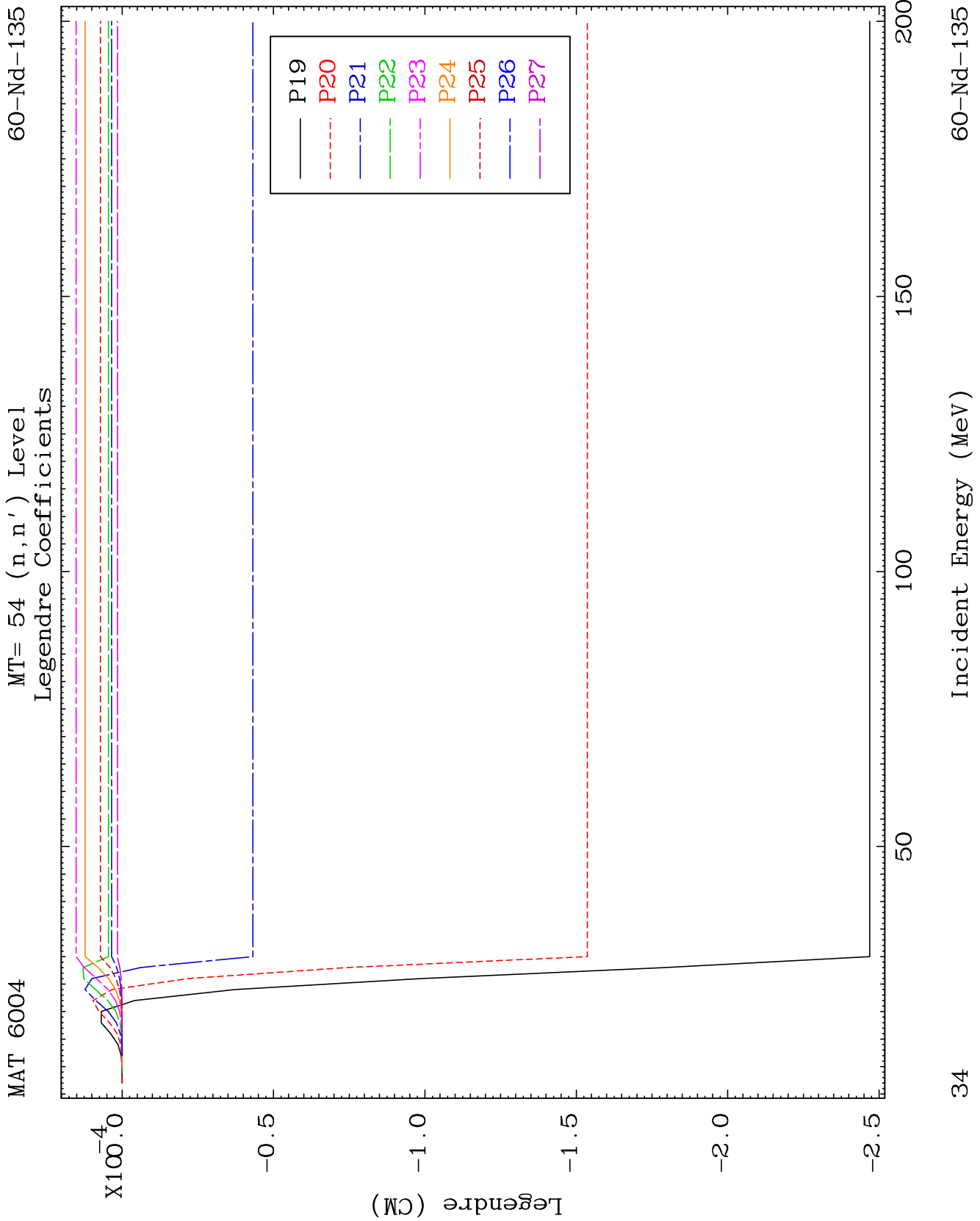
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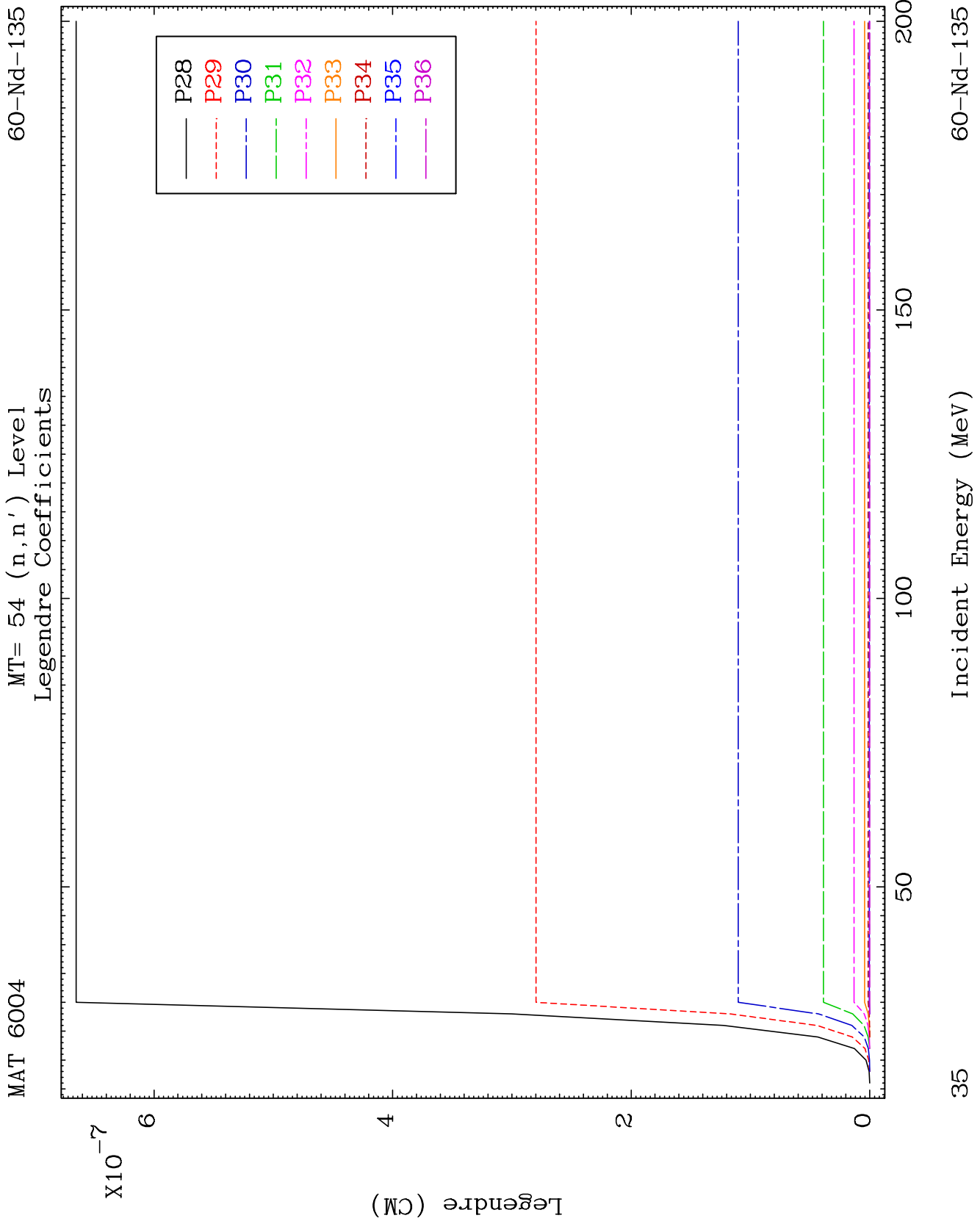


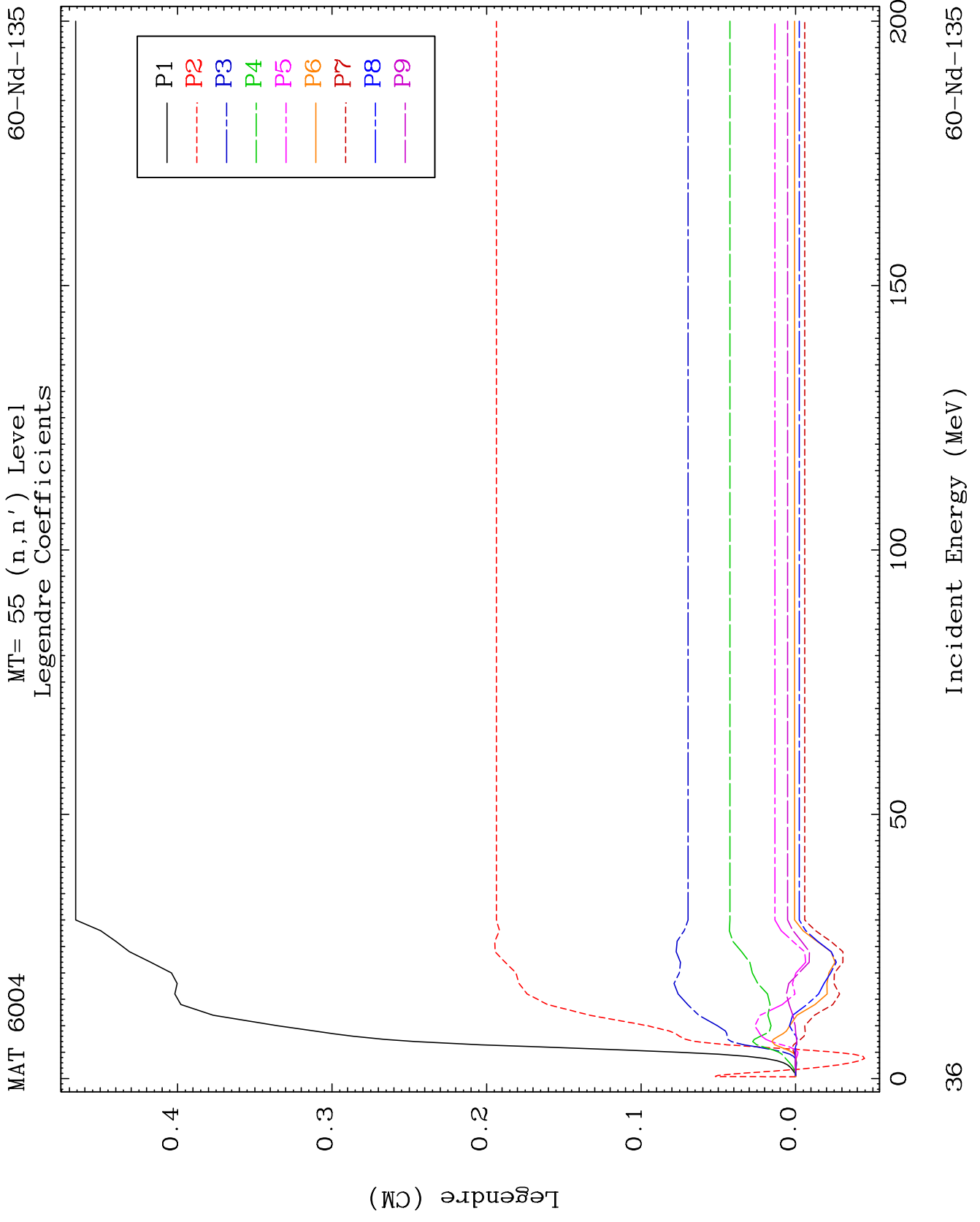
33

Incident Energy (MeV)

60-Nd-135



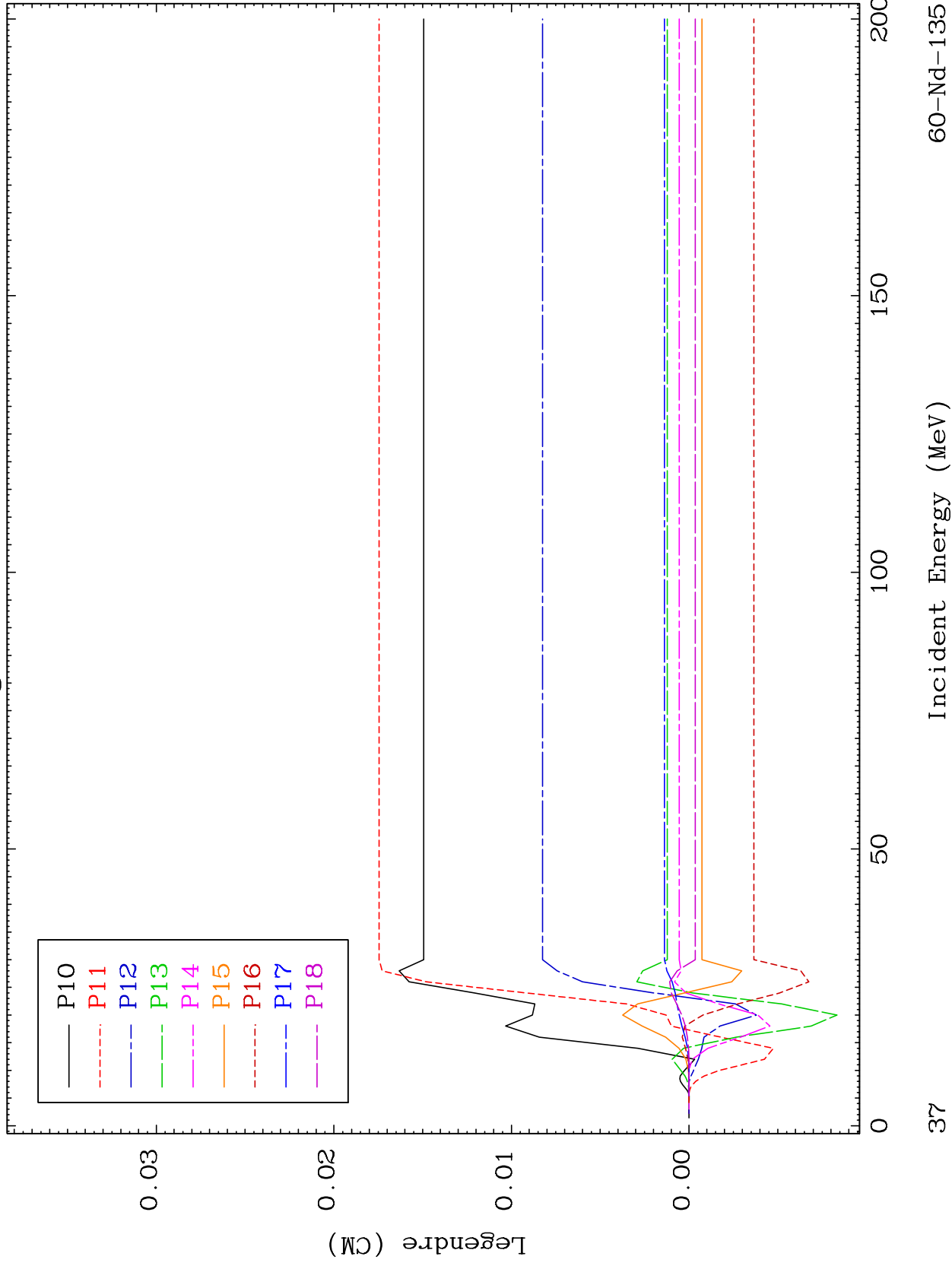




MAT 6004

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

60-Nd-135



37

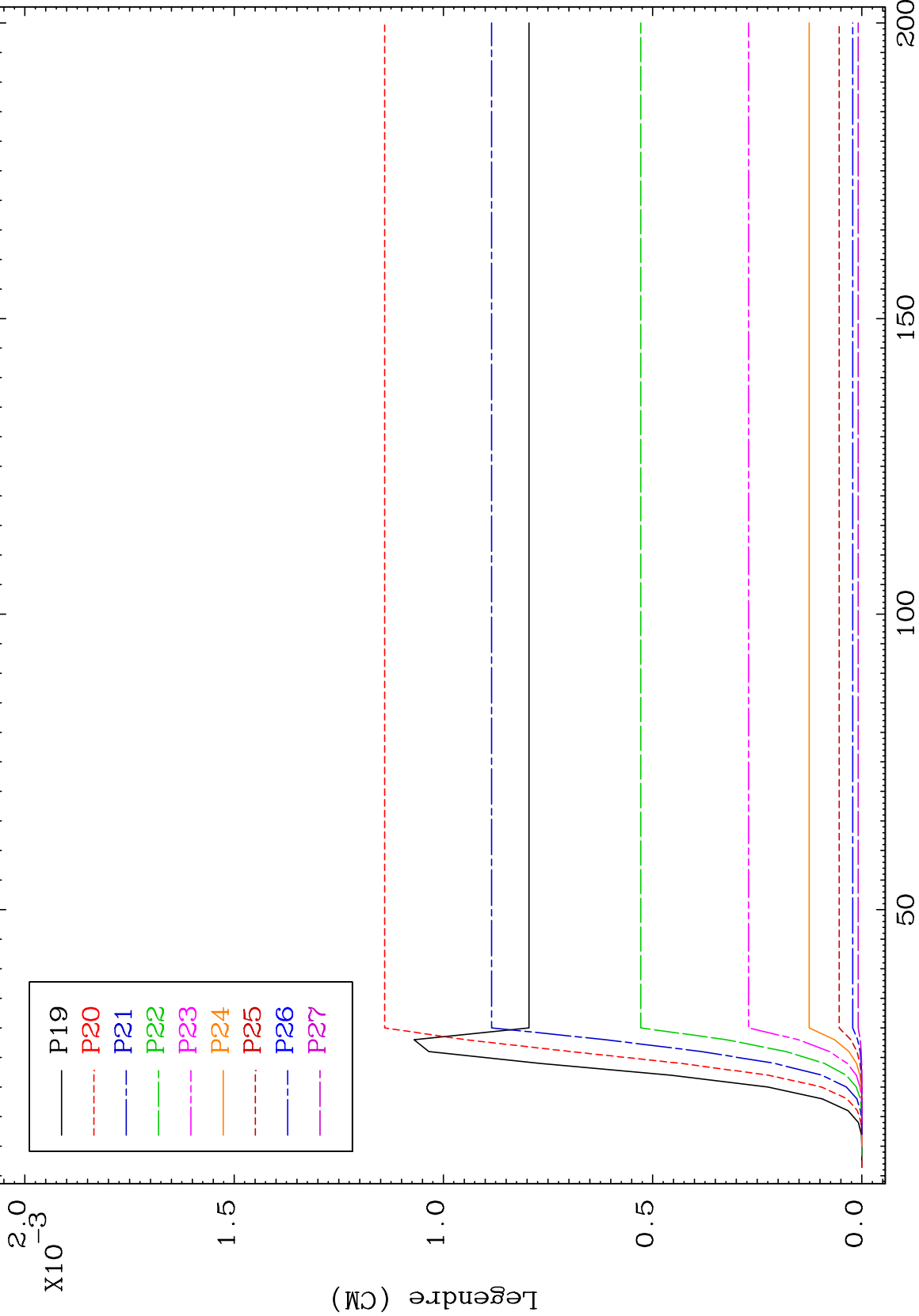
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

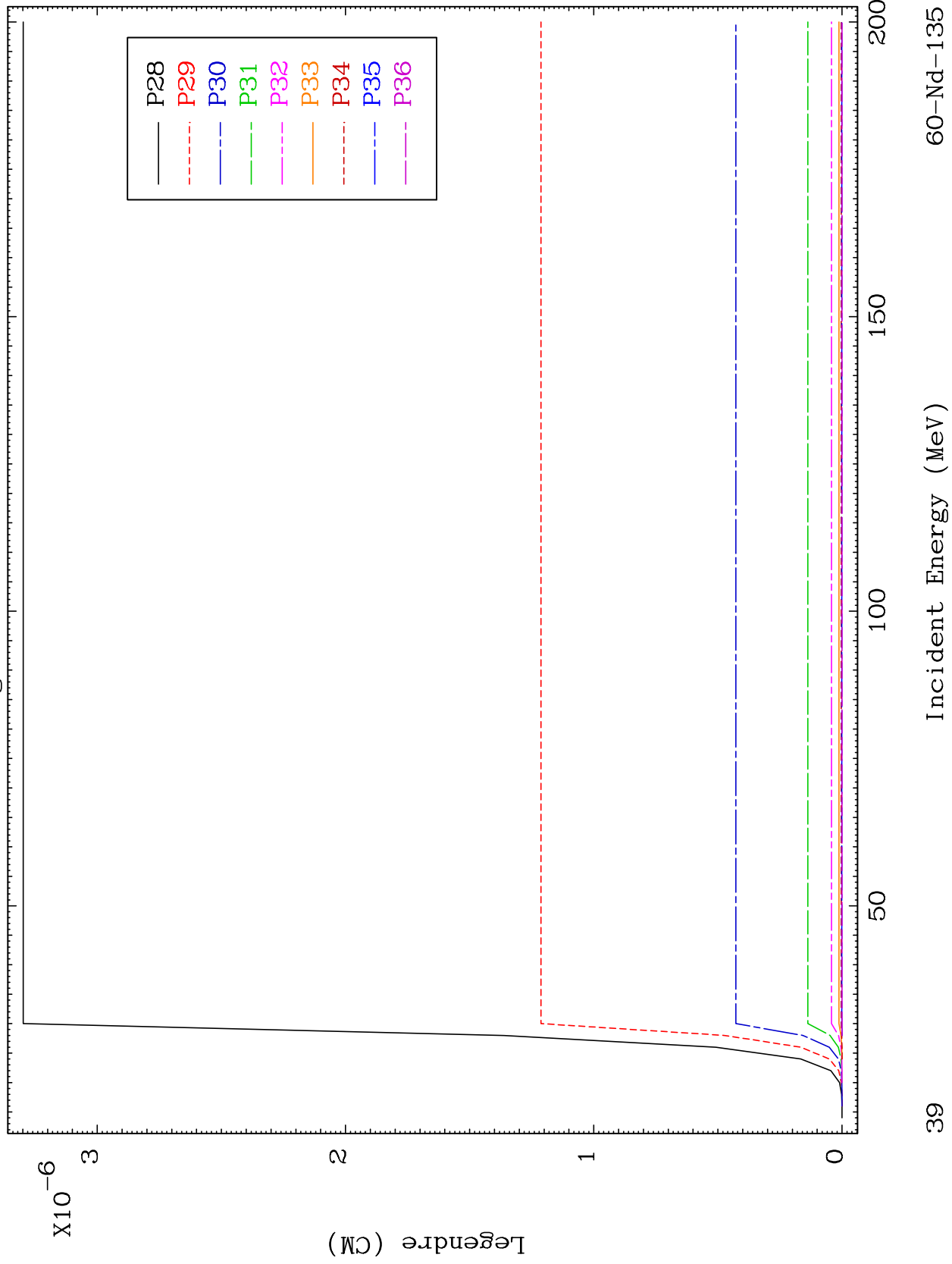
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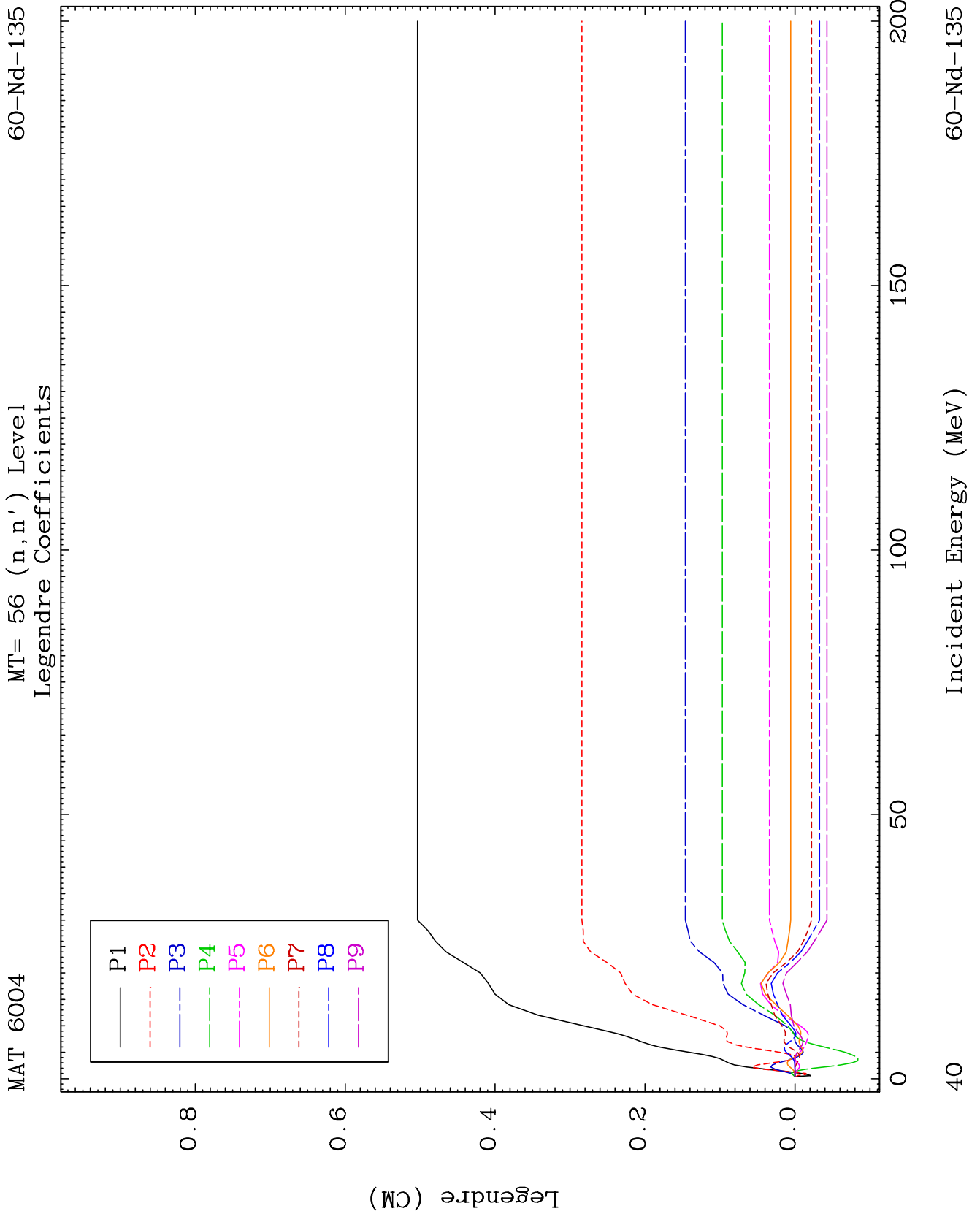


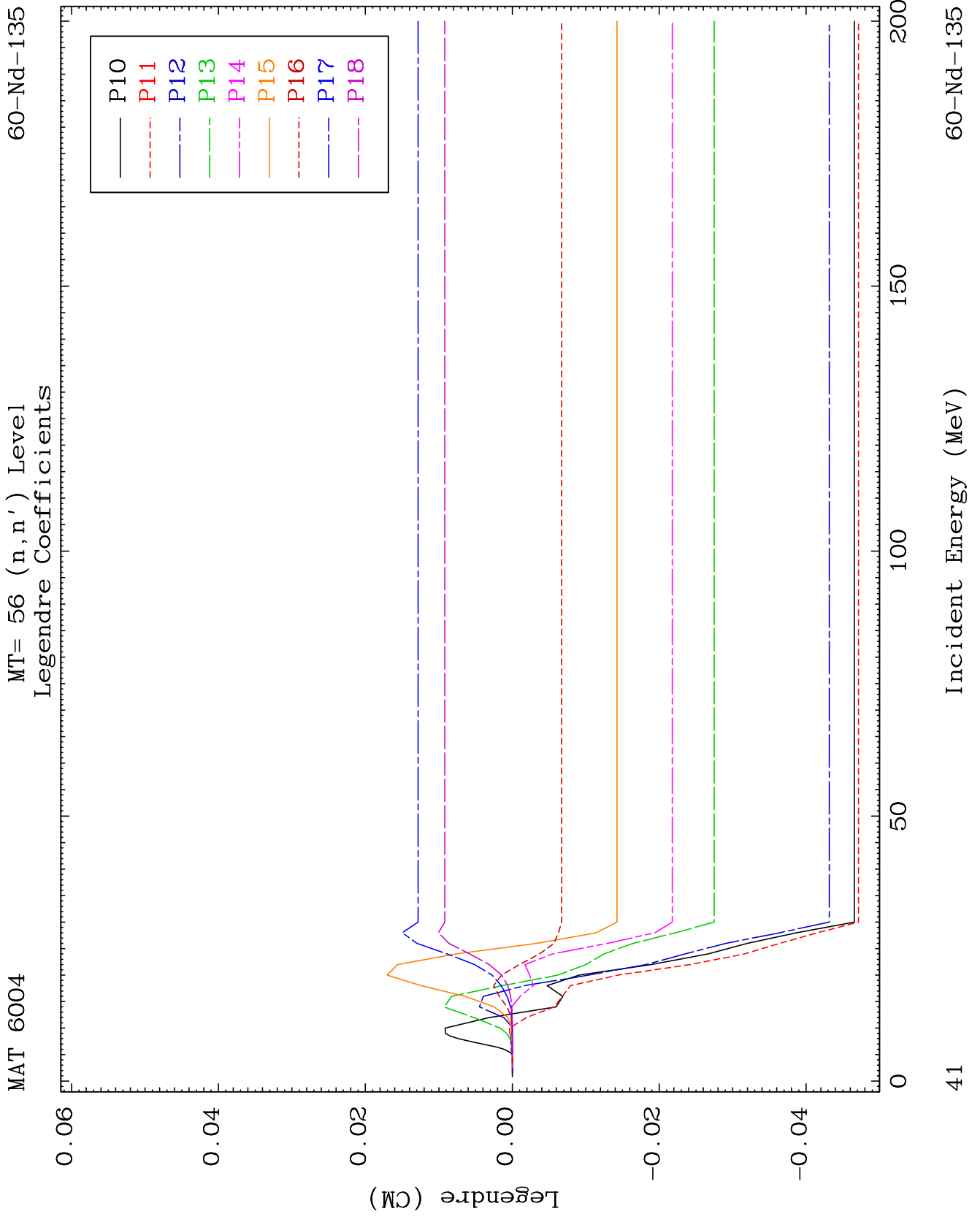
MAT 6004

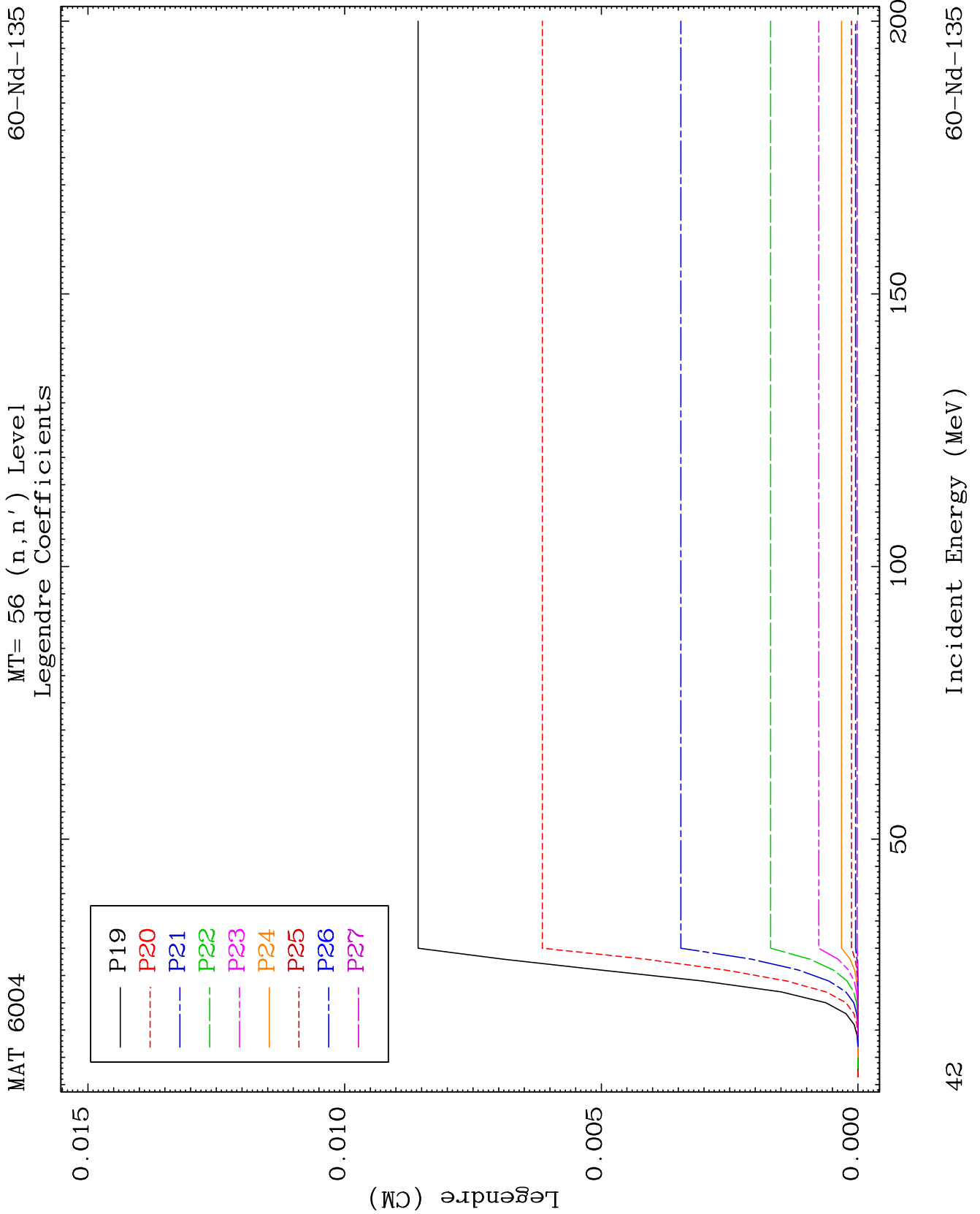
MT= 55 (n,n') Level
Legendre Coefficients

60-Nd-135





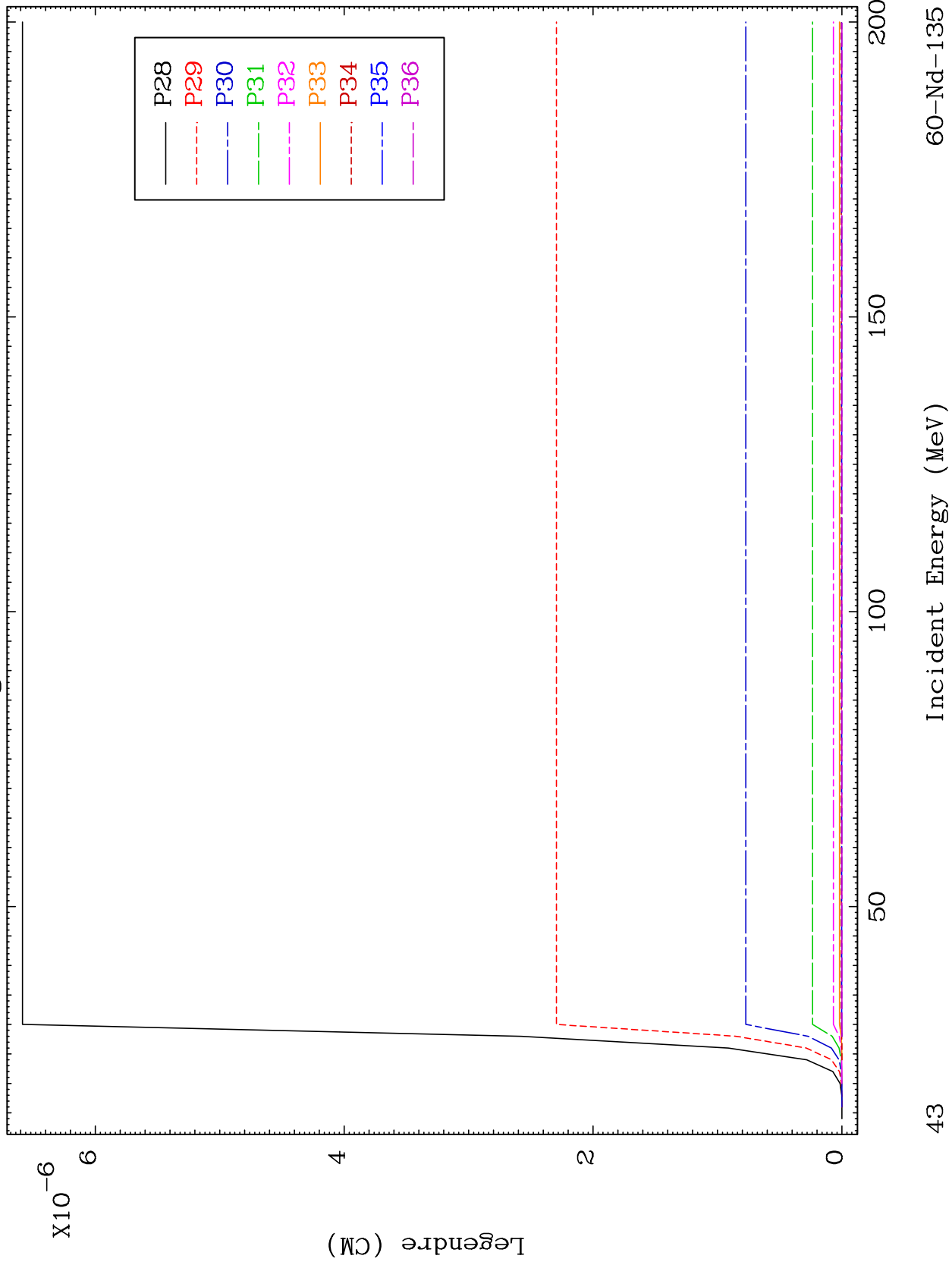




MAT 6004

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

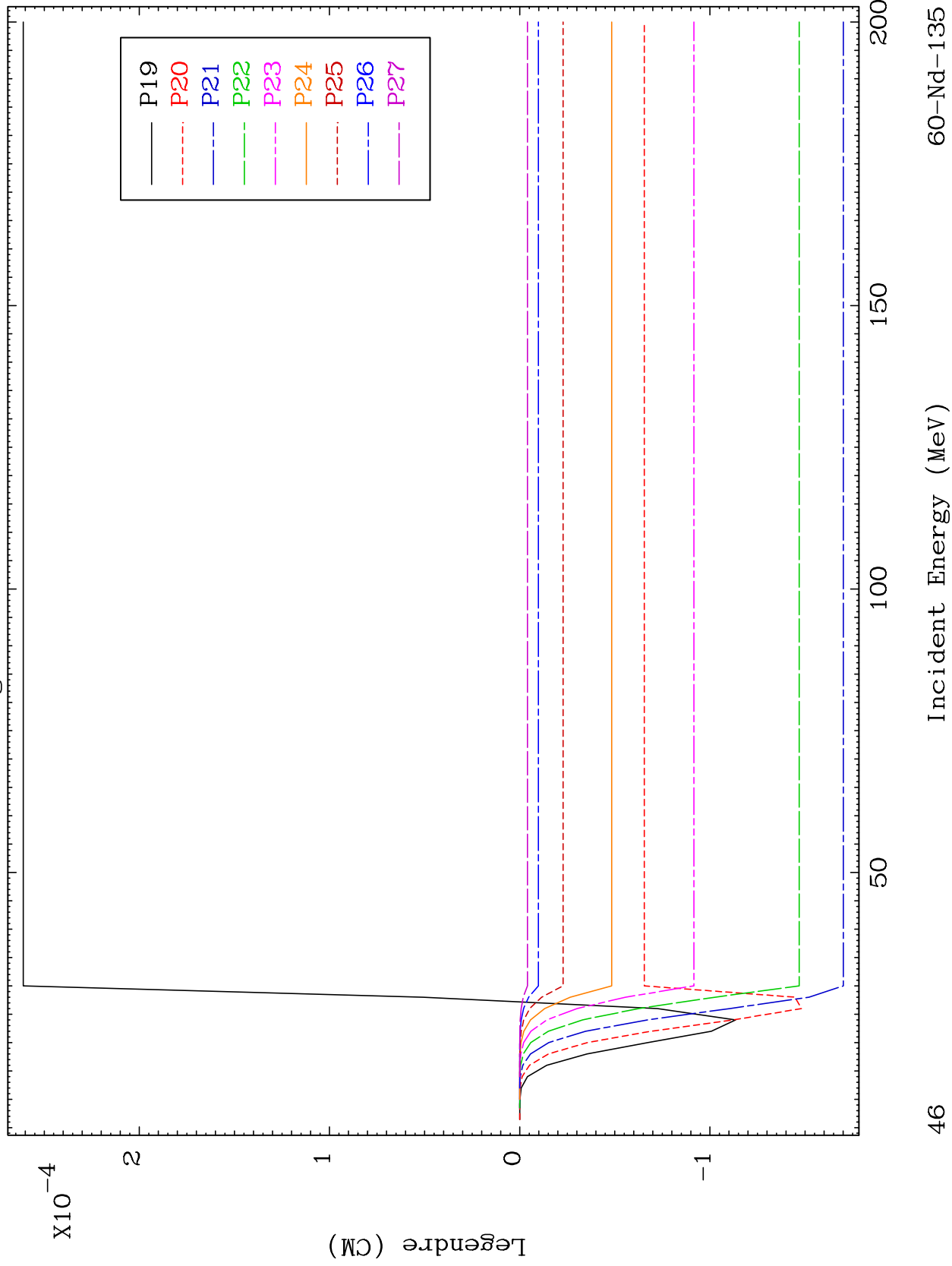
60-Nd-135



MAT 6004

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

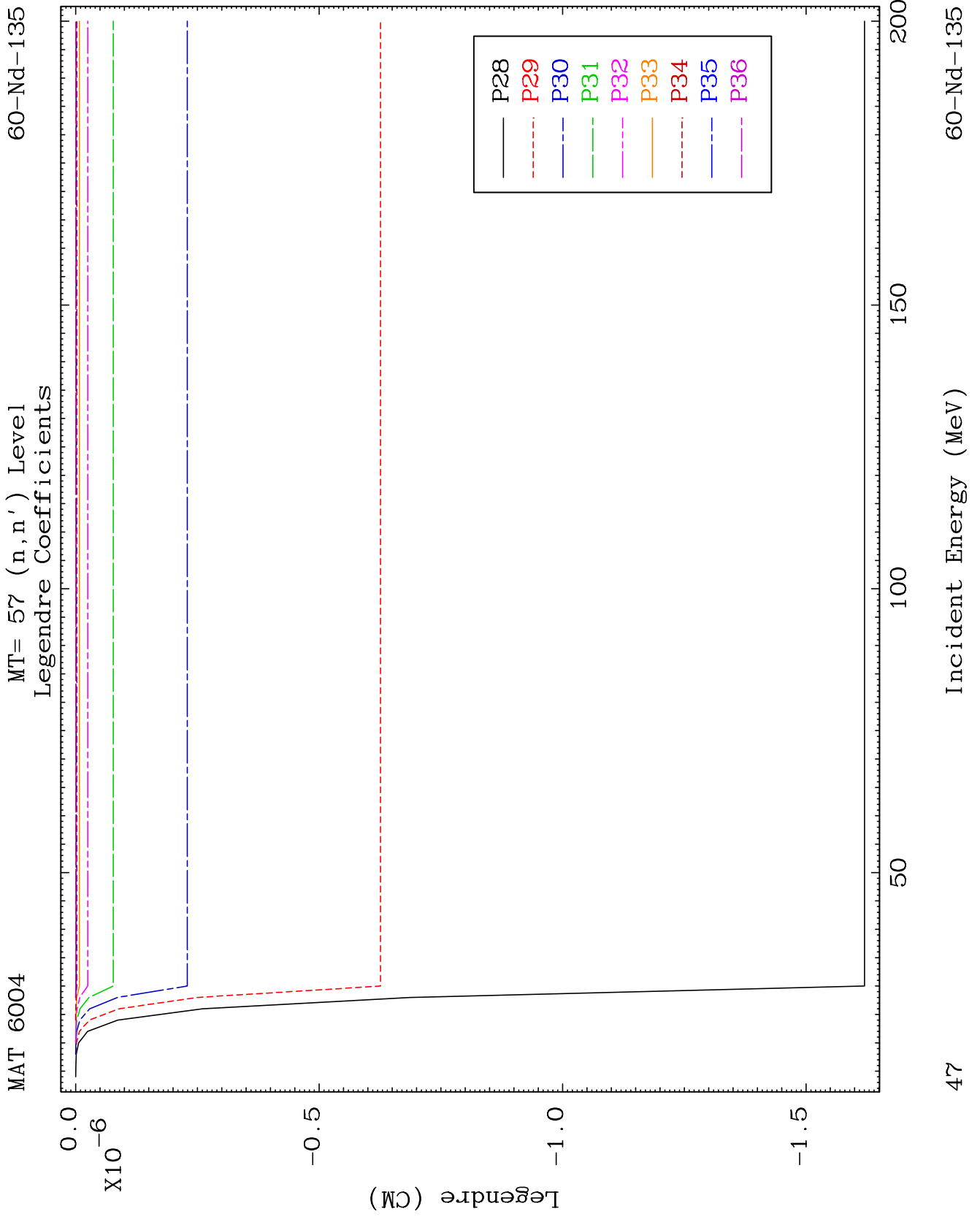
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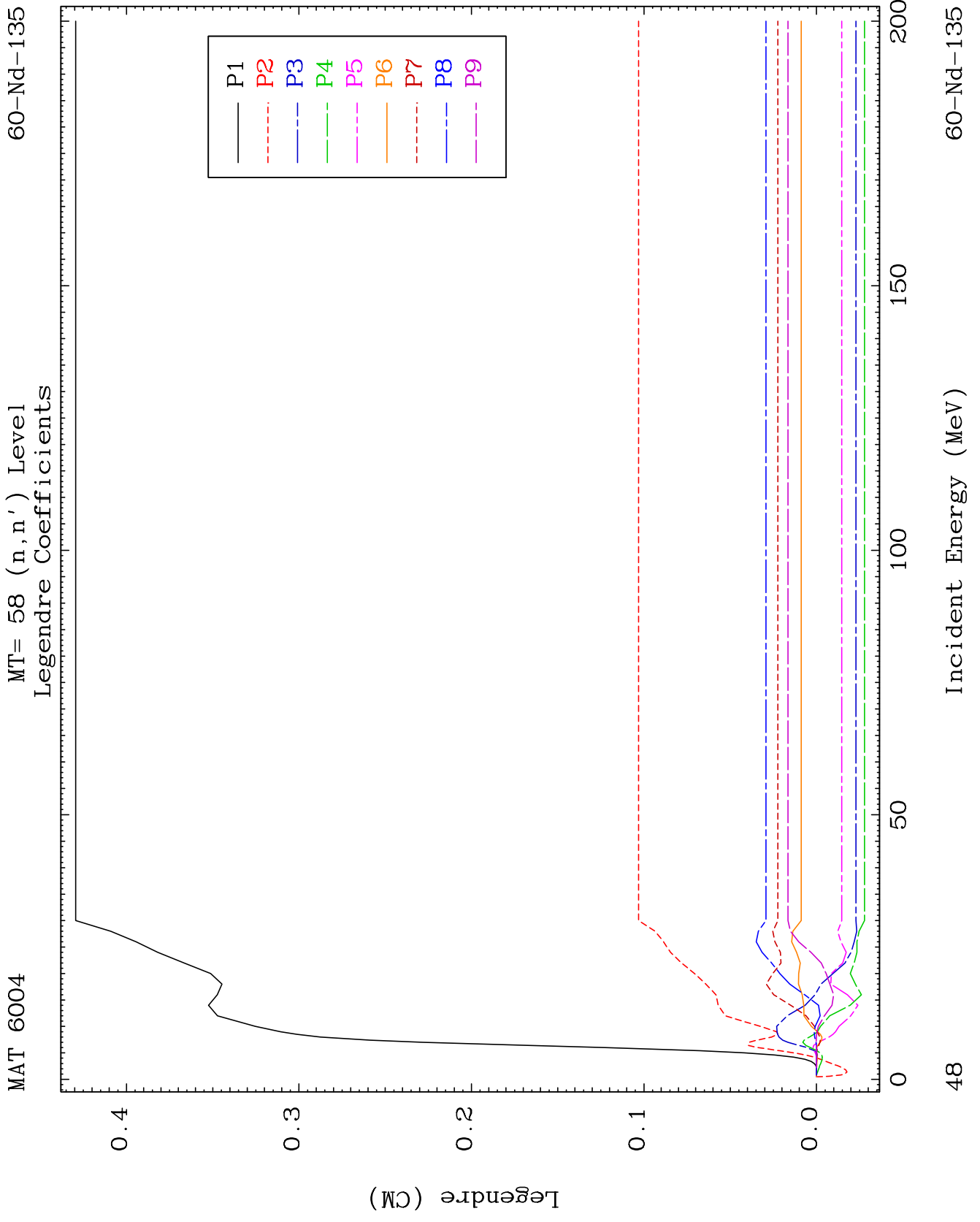


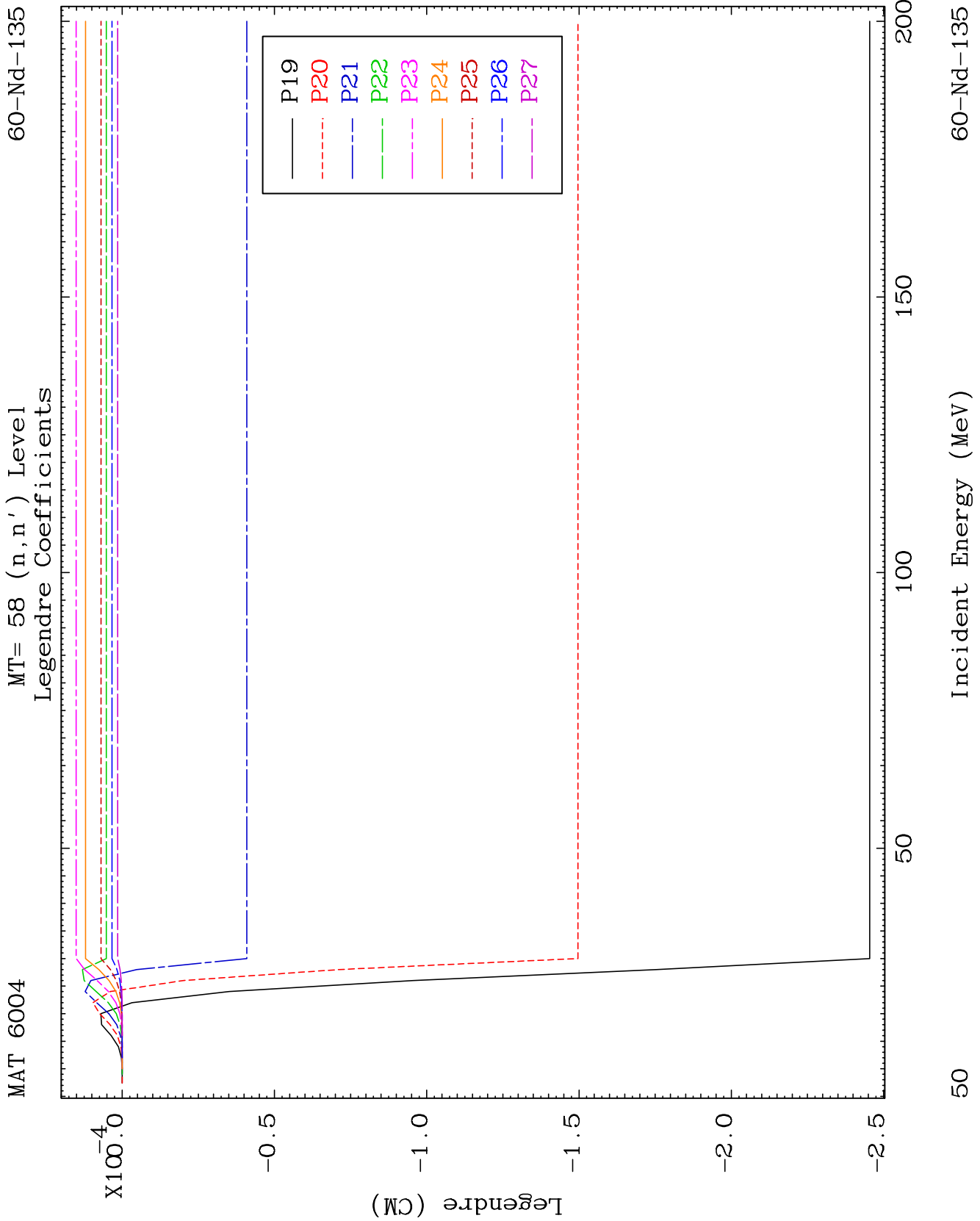
46

Incident Energy (MeV)

60-Nd-135



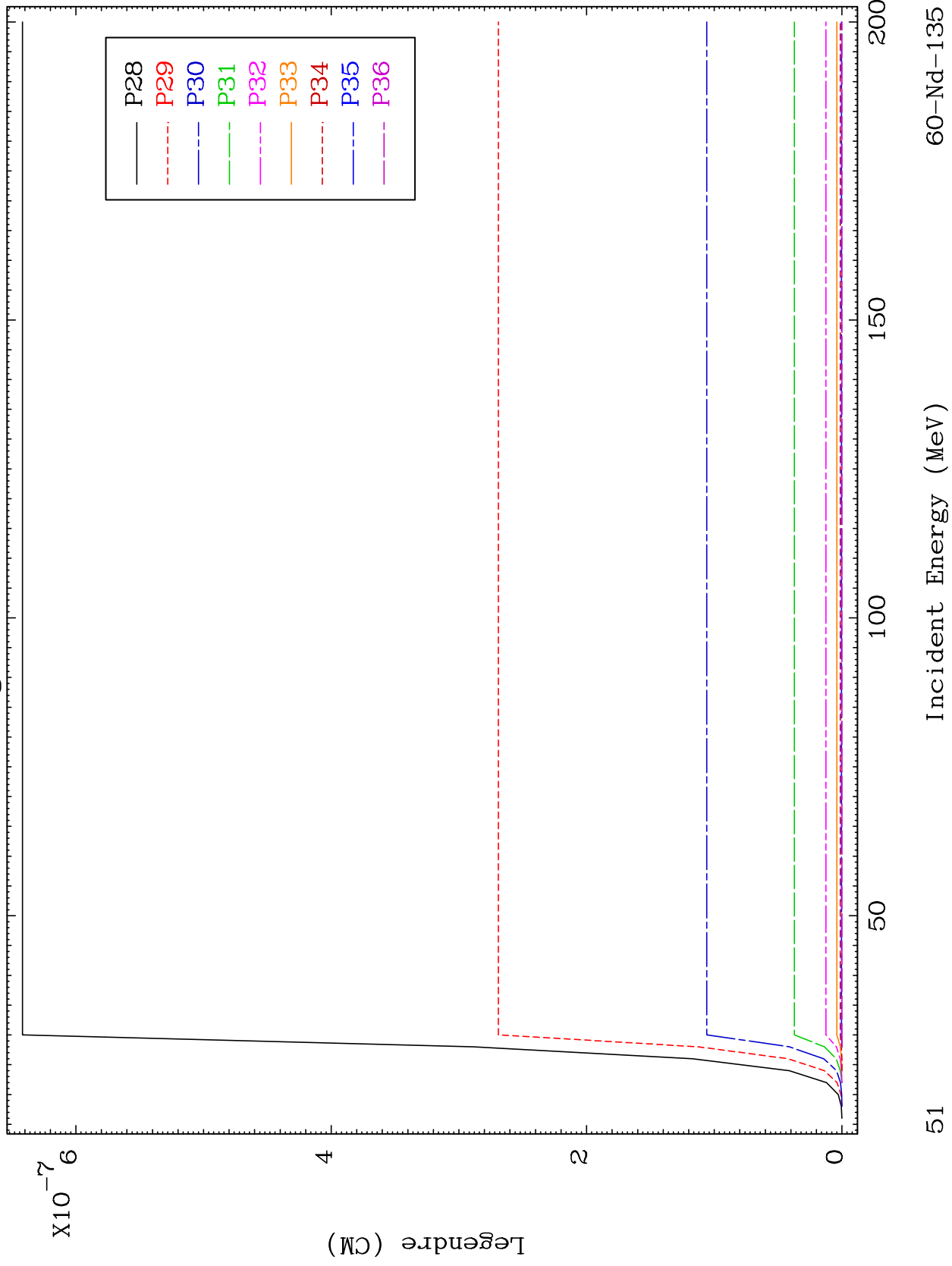




MAT 6004

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

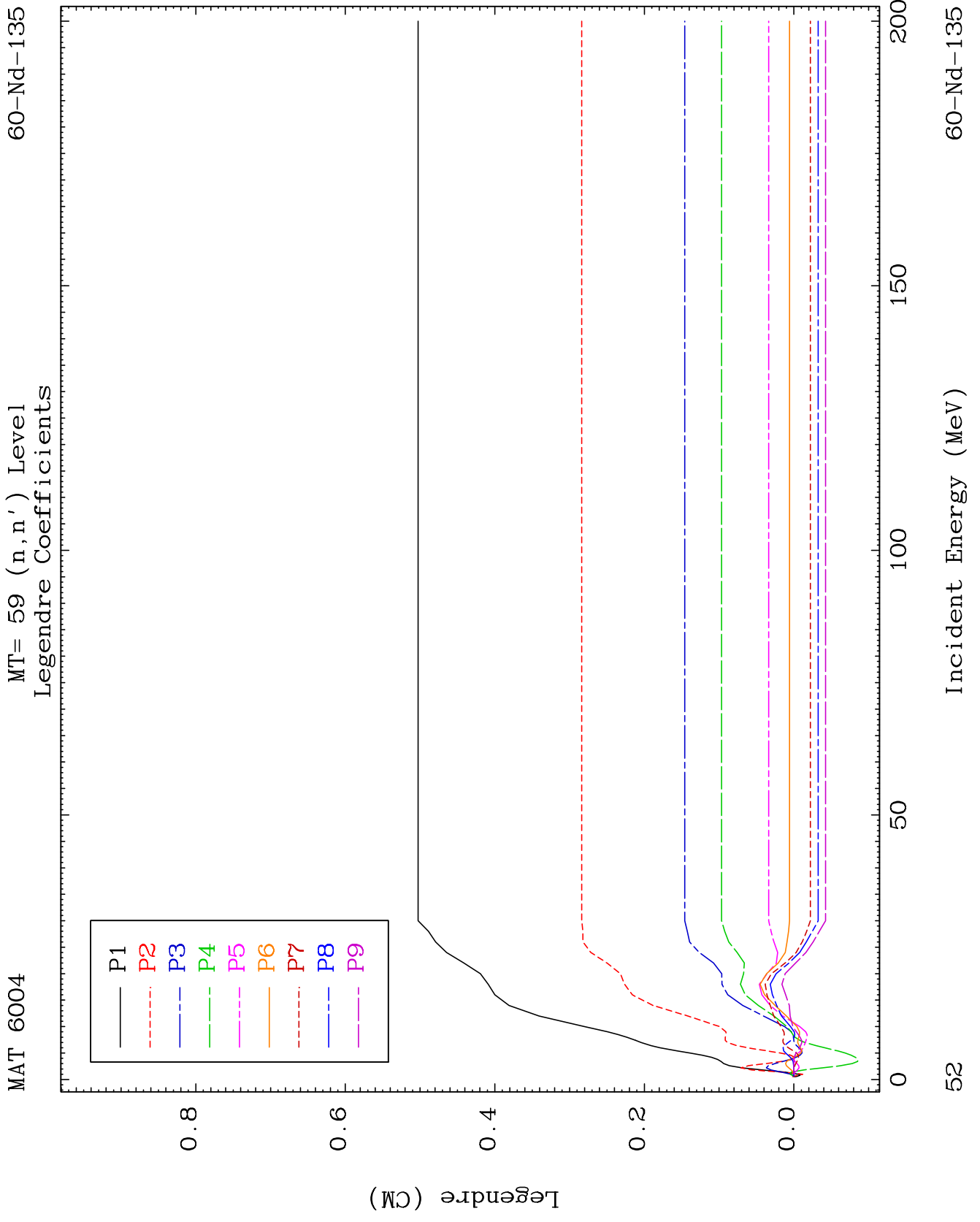
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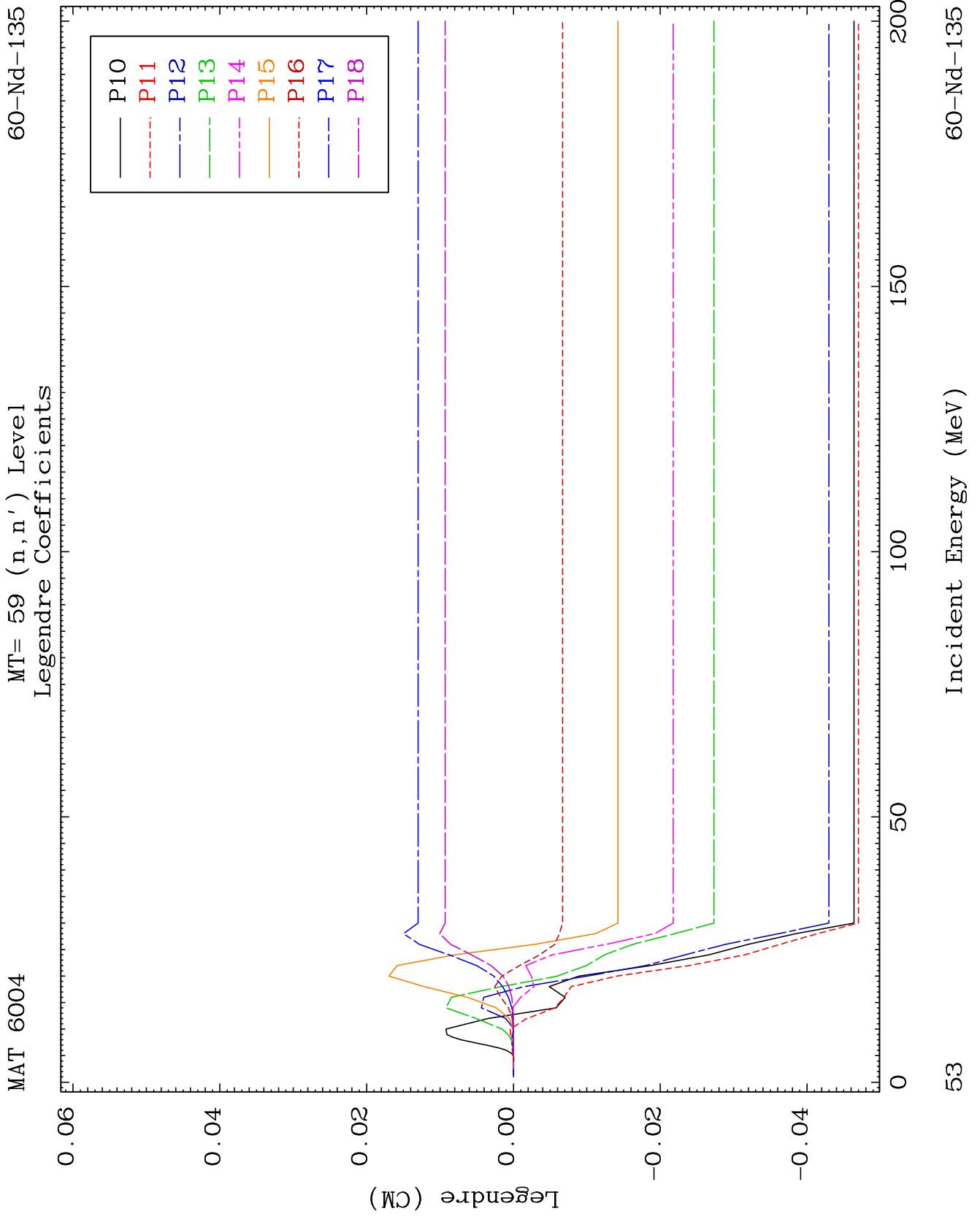


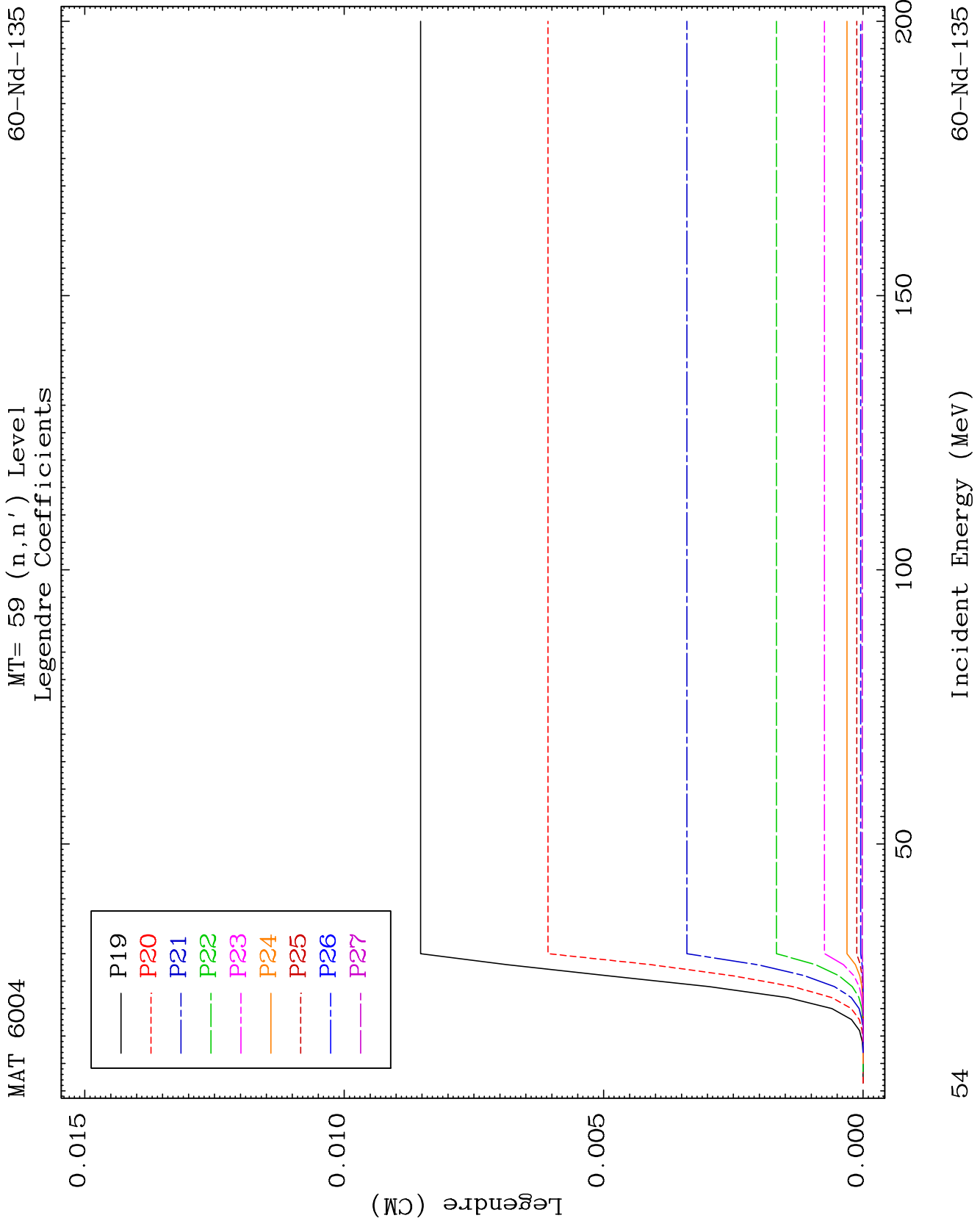
51

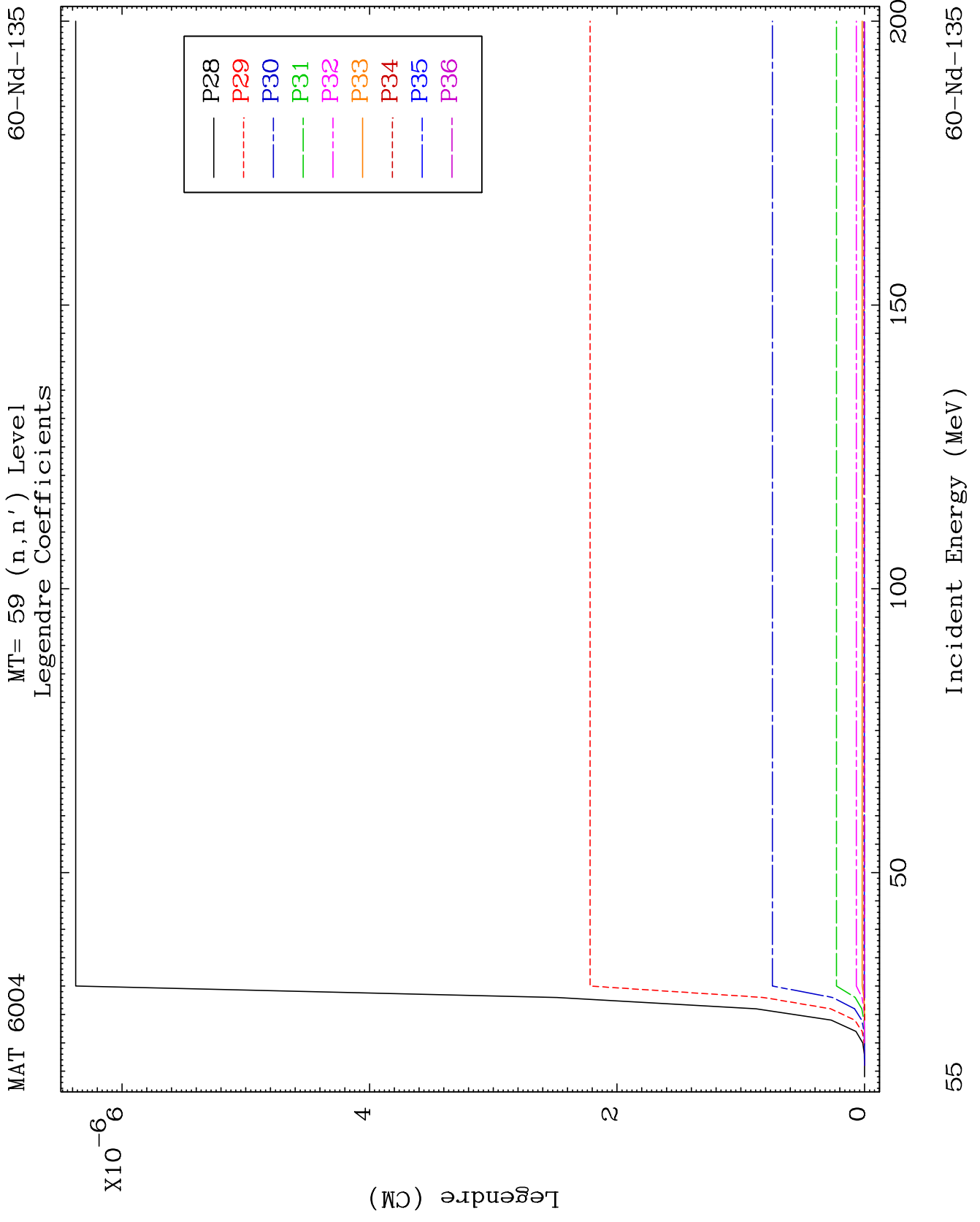
Incident Energy (MeV)

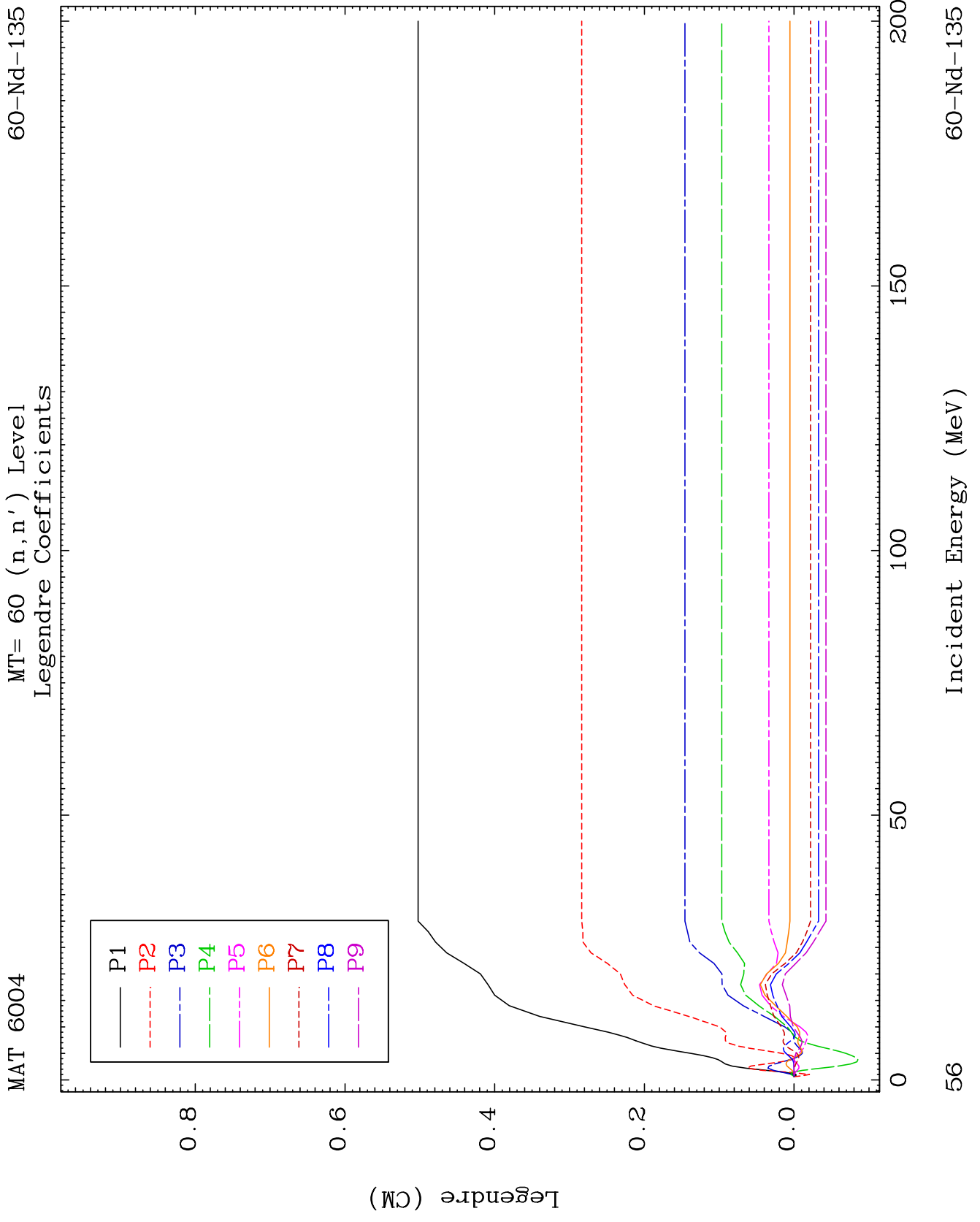
60-Nd-135

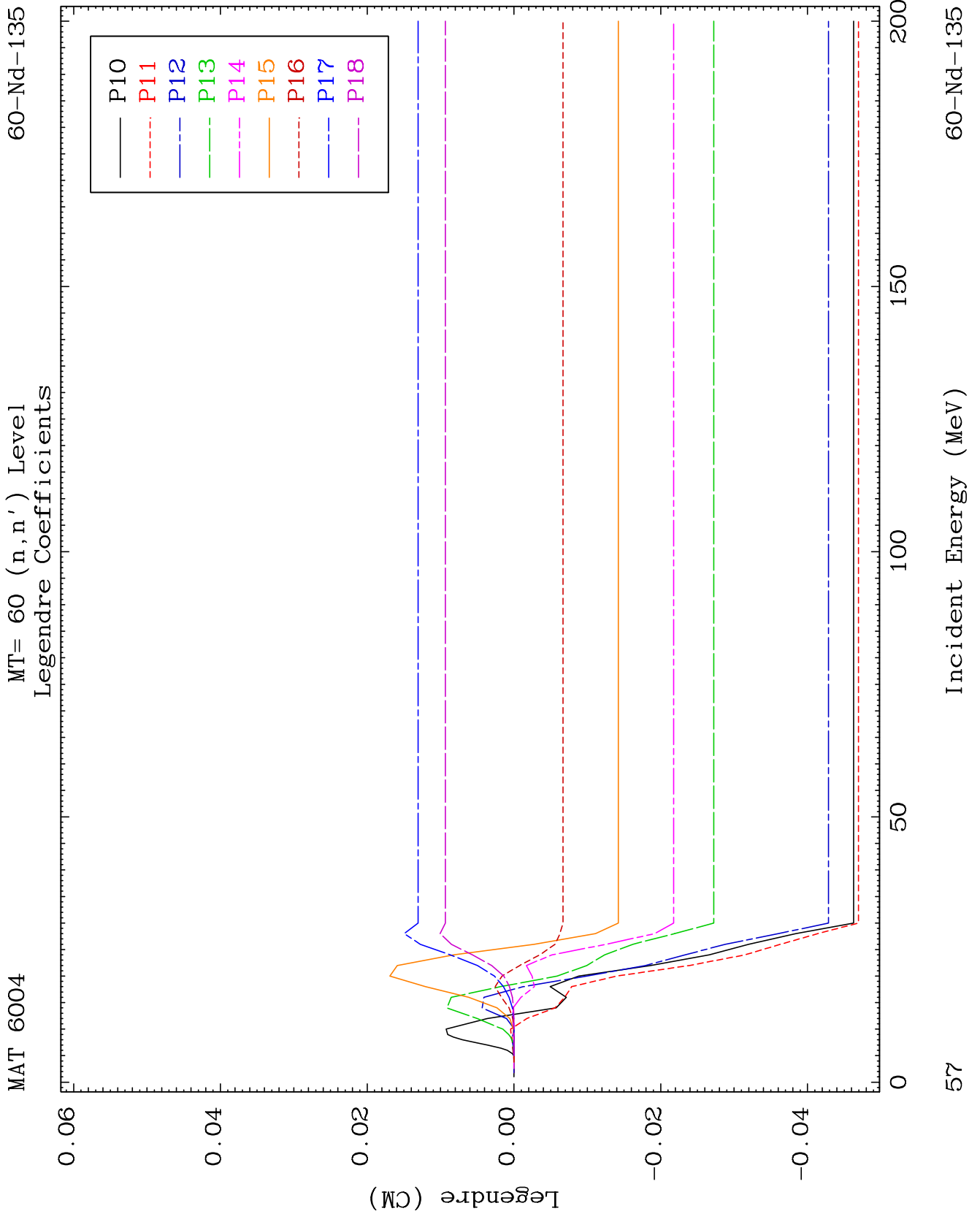


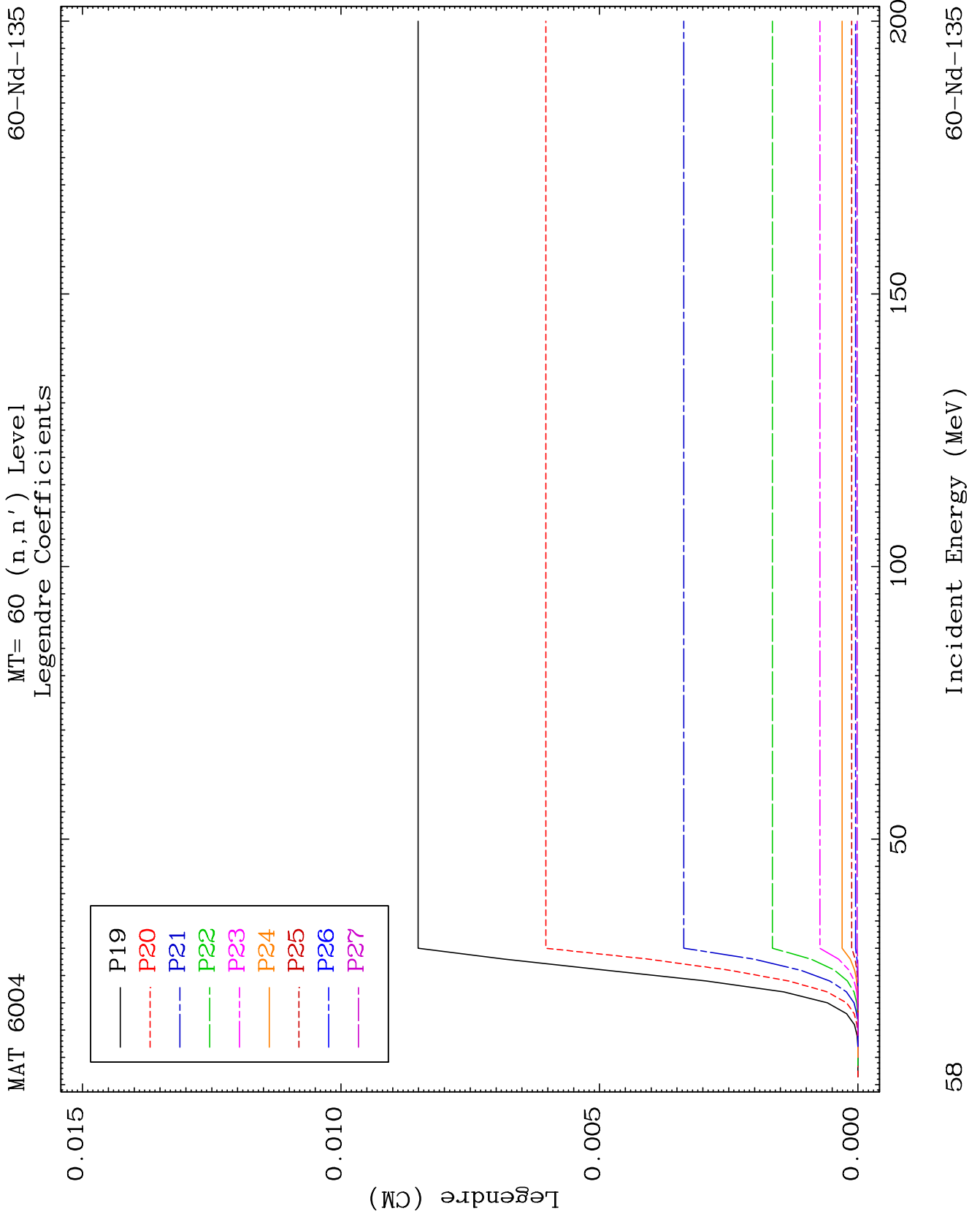


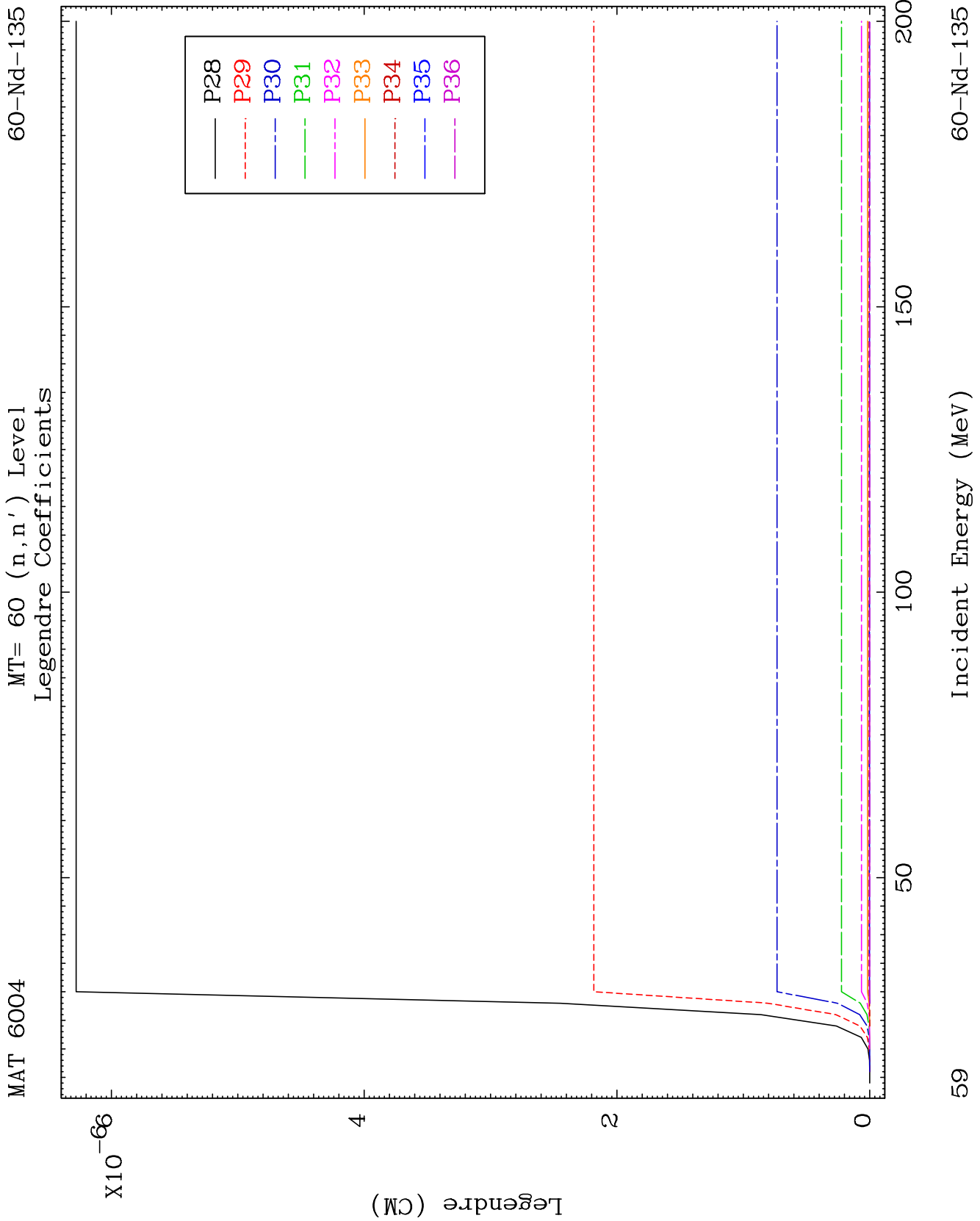


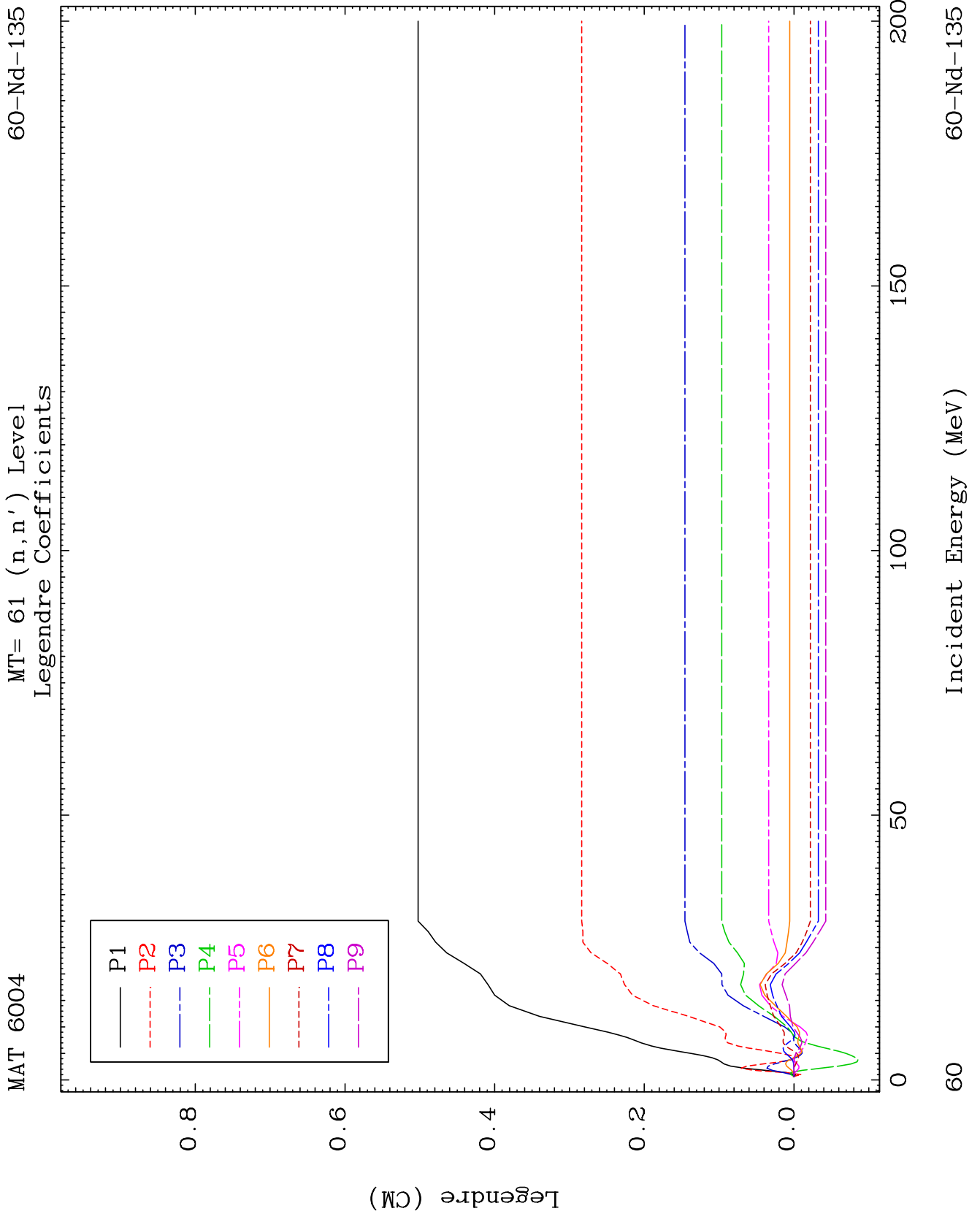


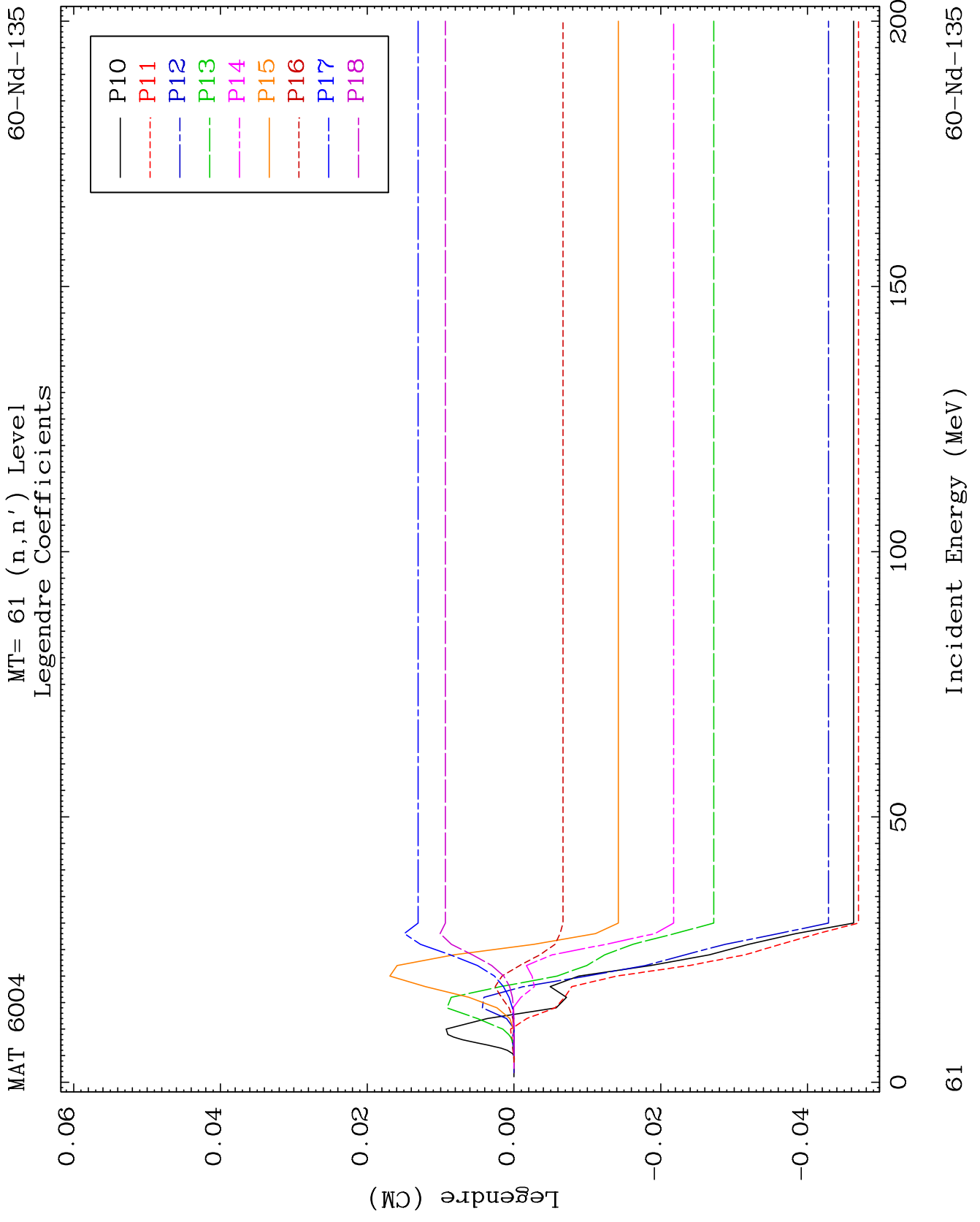


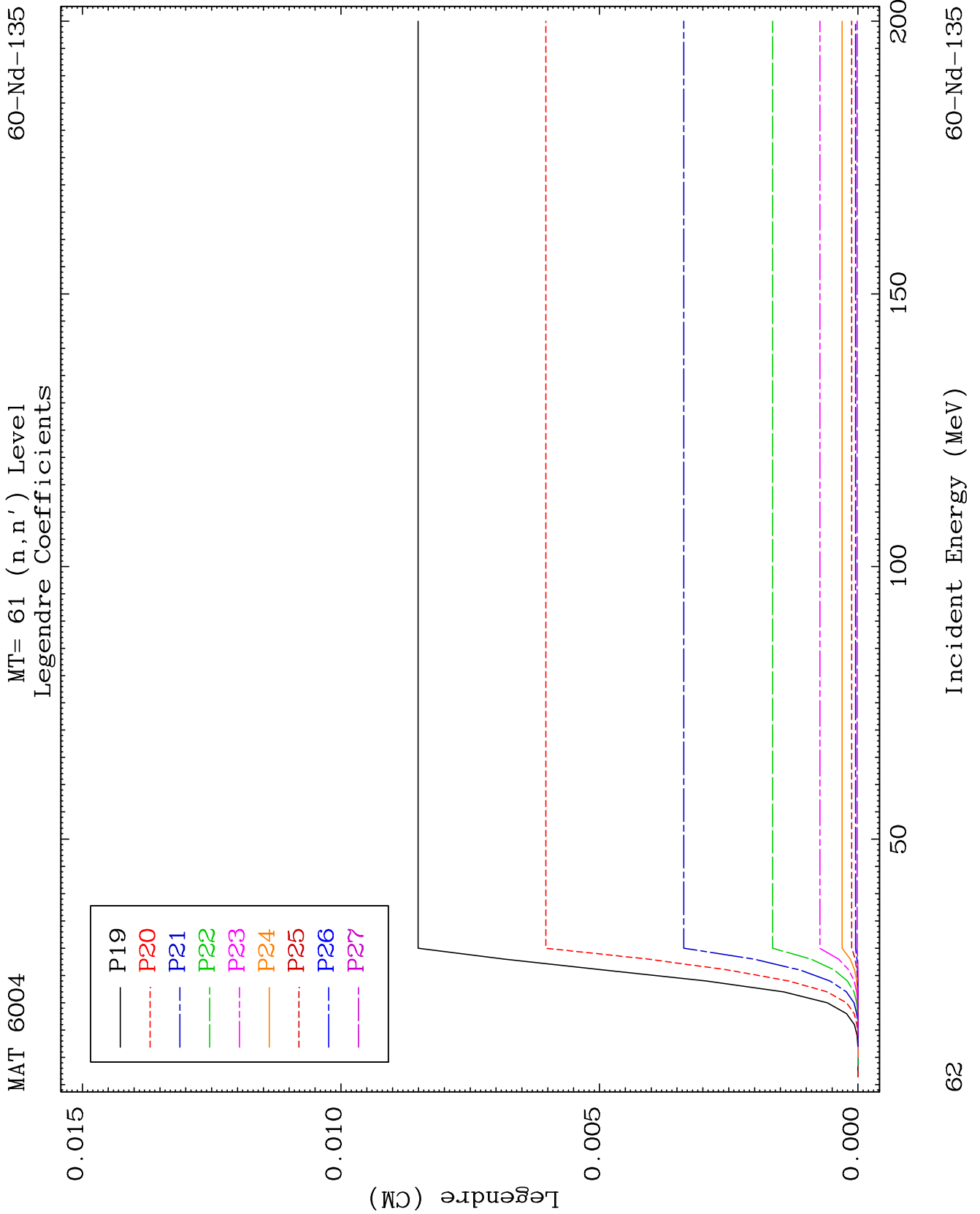








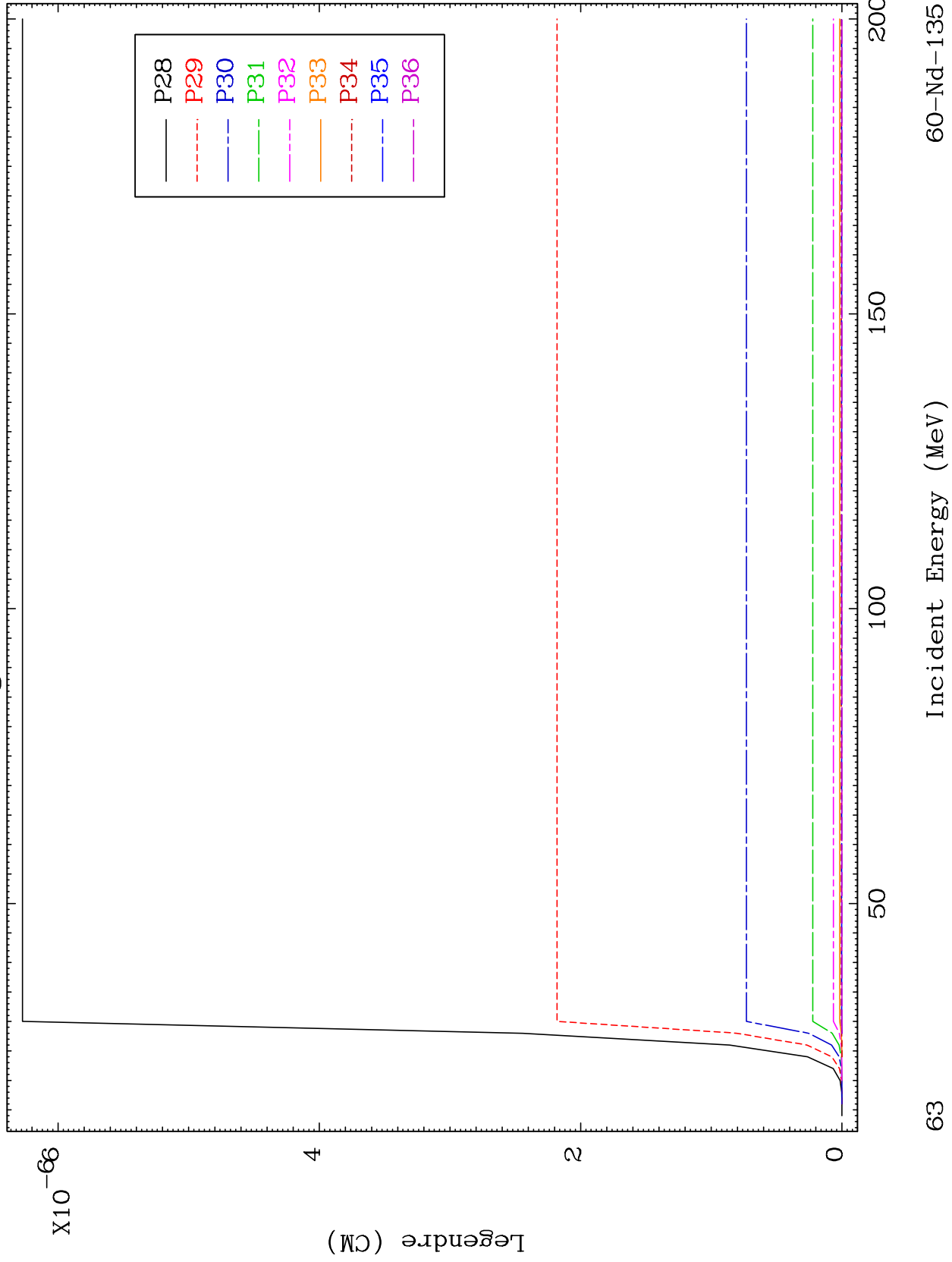




MAT 6004

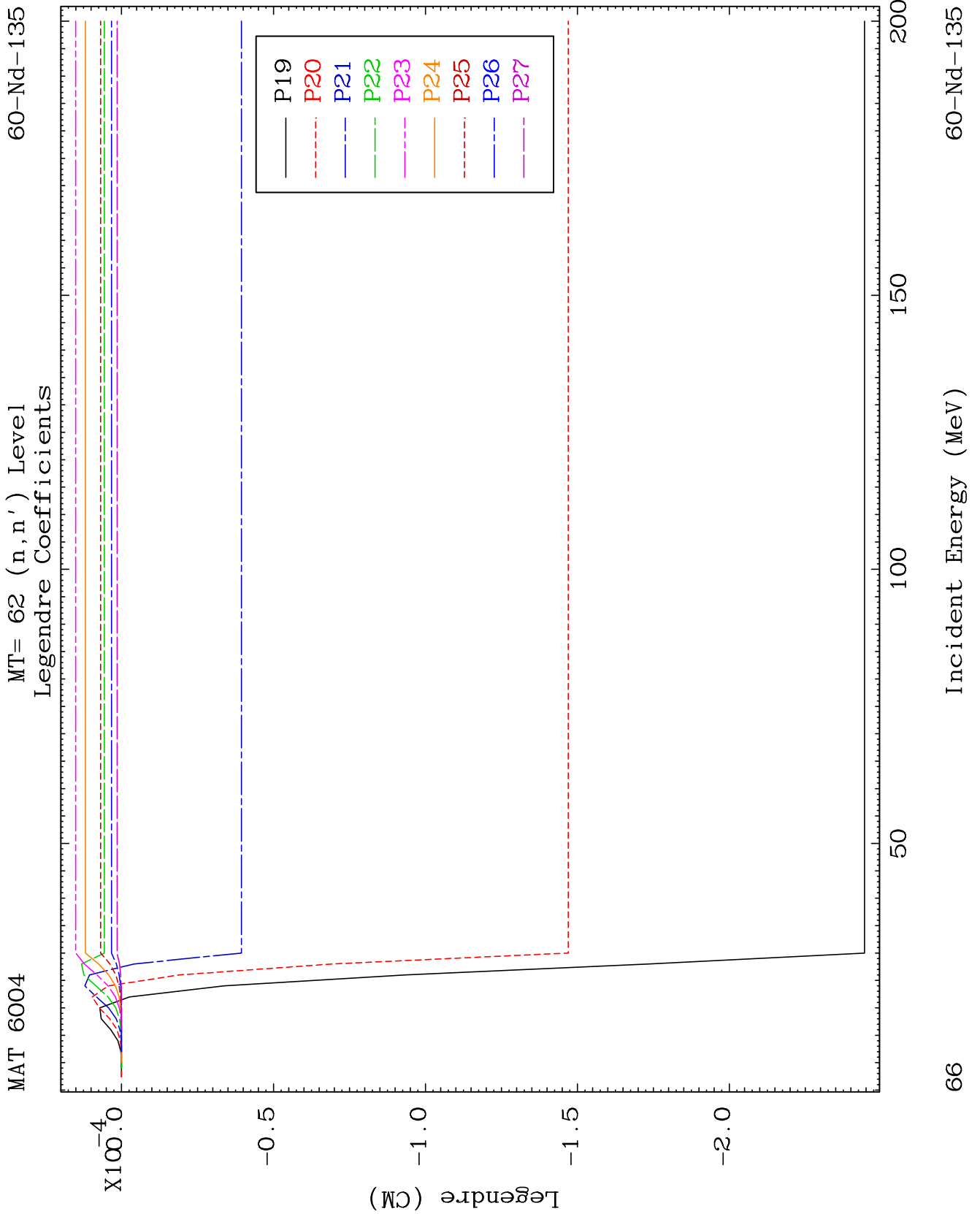
MT= 61 (n,n') Level
Legendre Coefficients

60-Nd-135



63

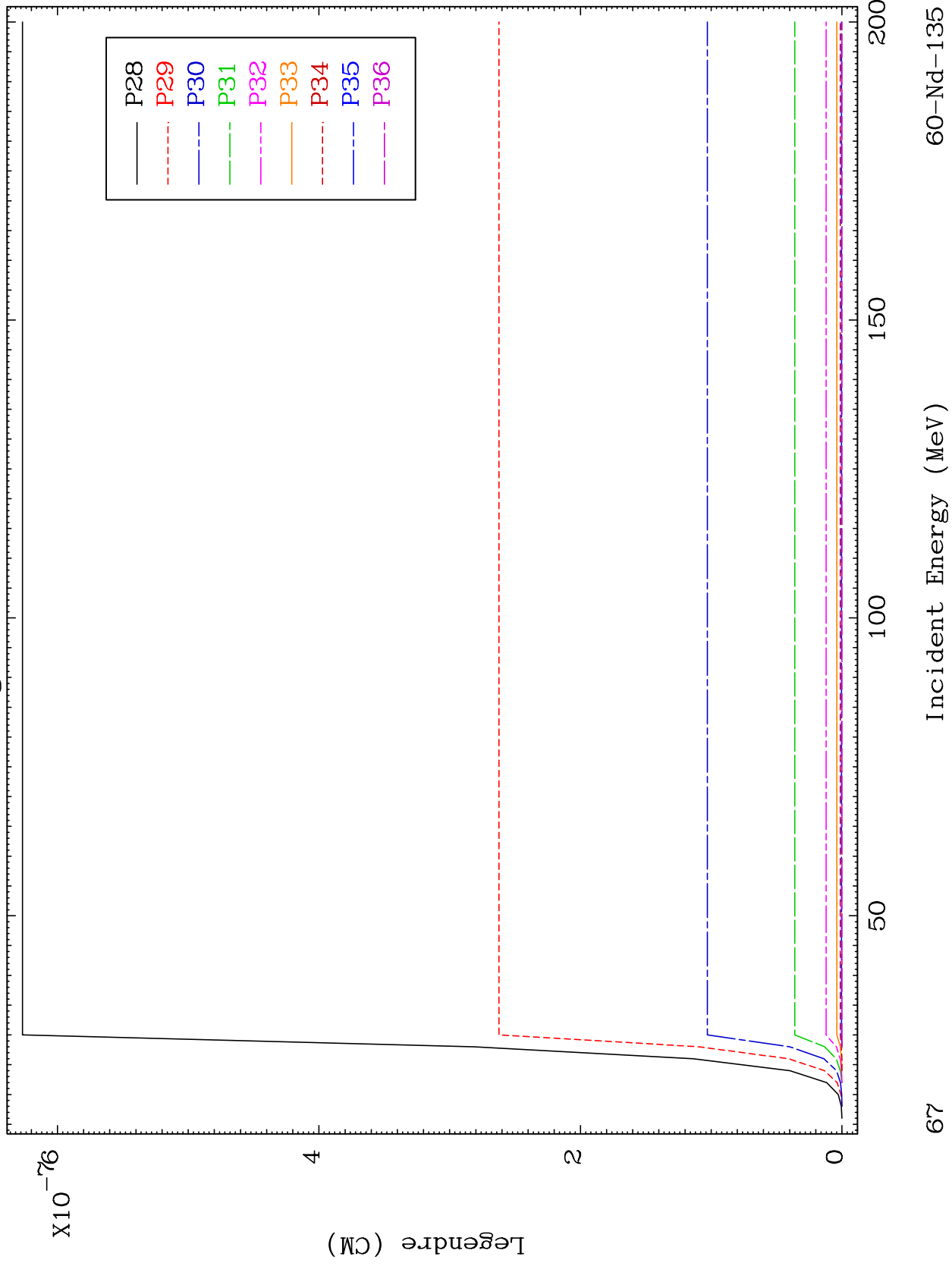
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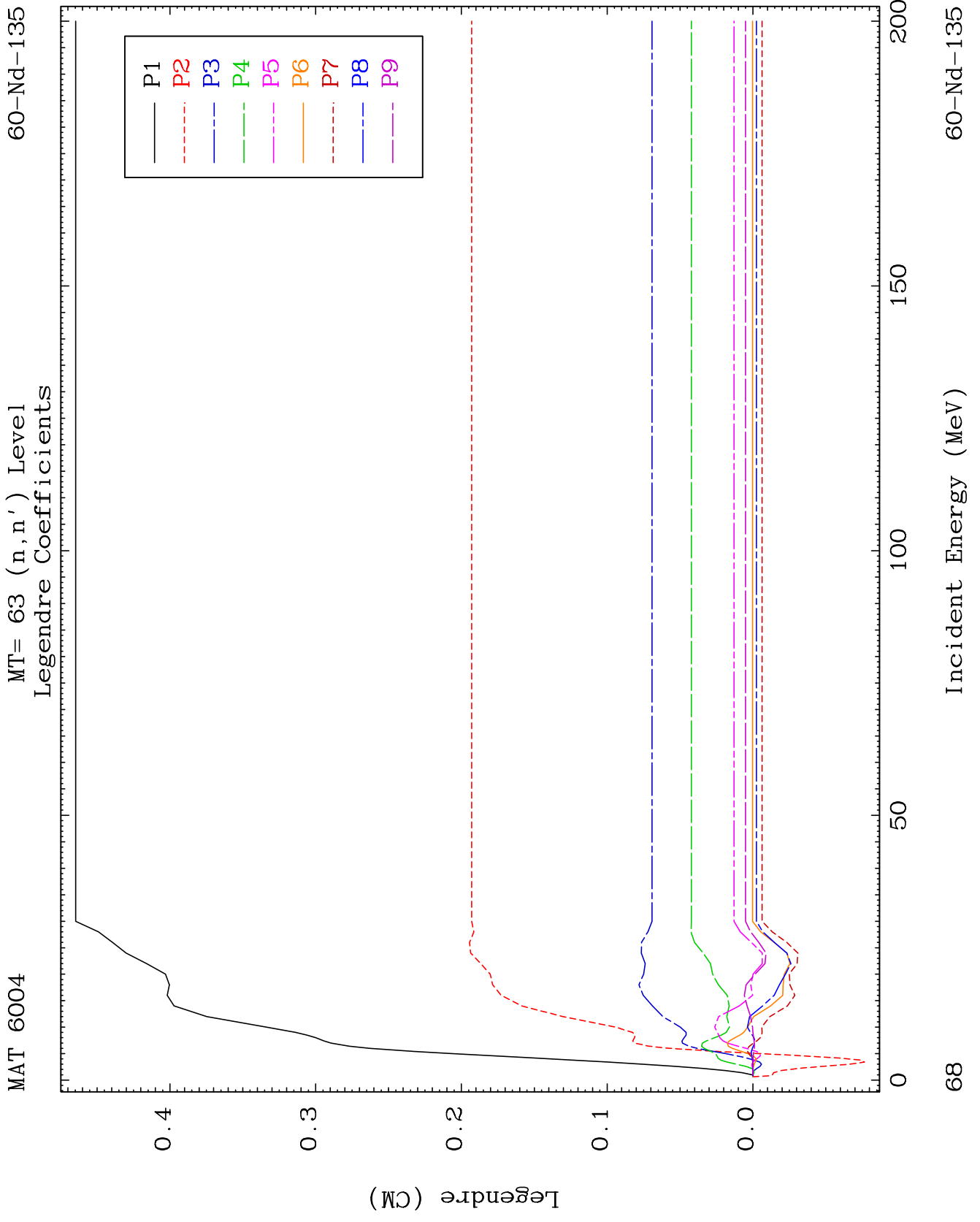


MAT 6004

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

60-Nd-135

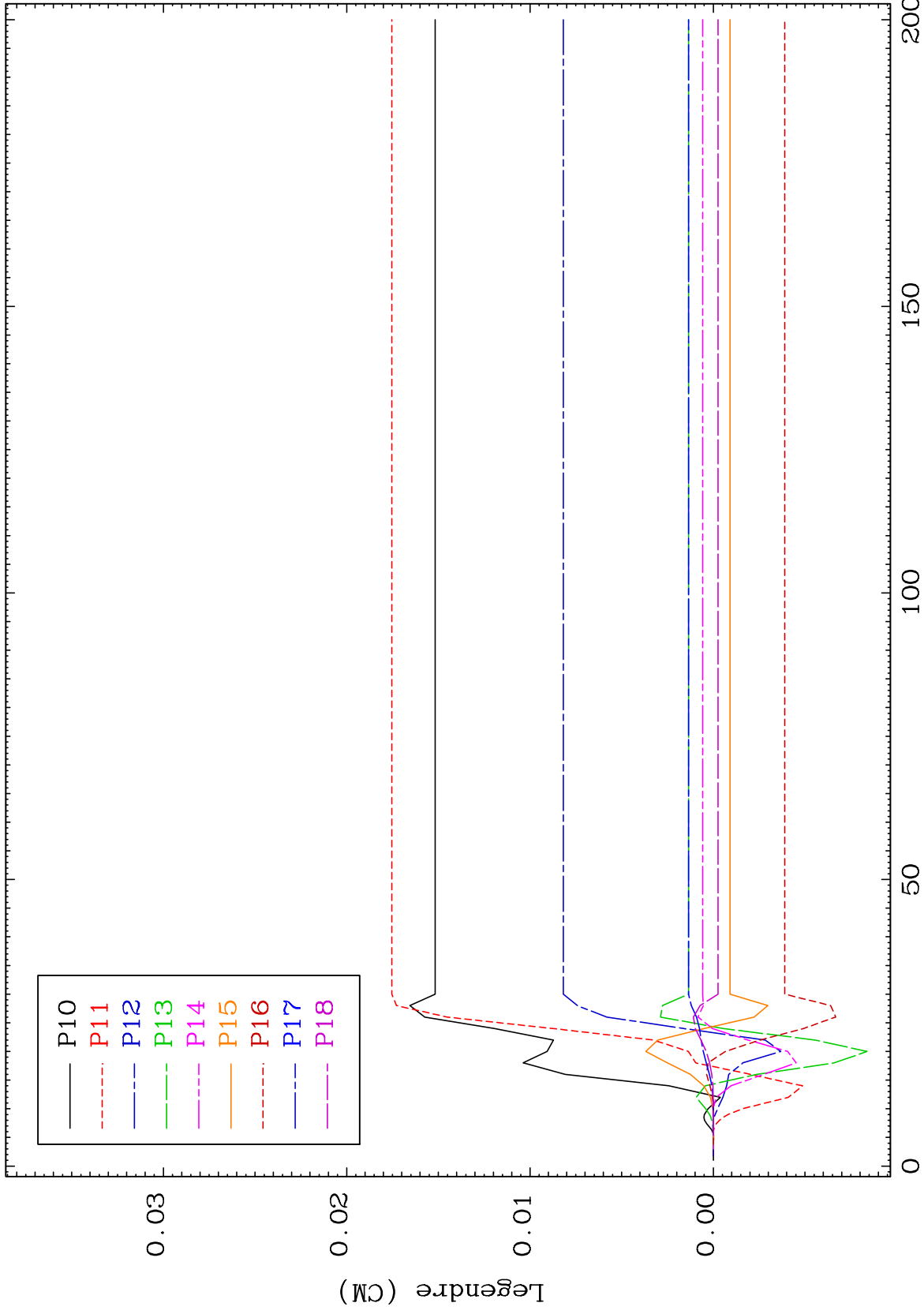




MAT 6004

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

60-Nd-135



69

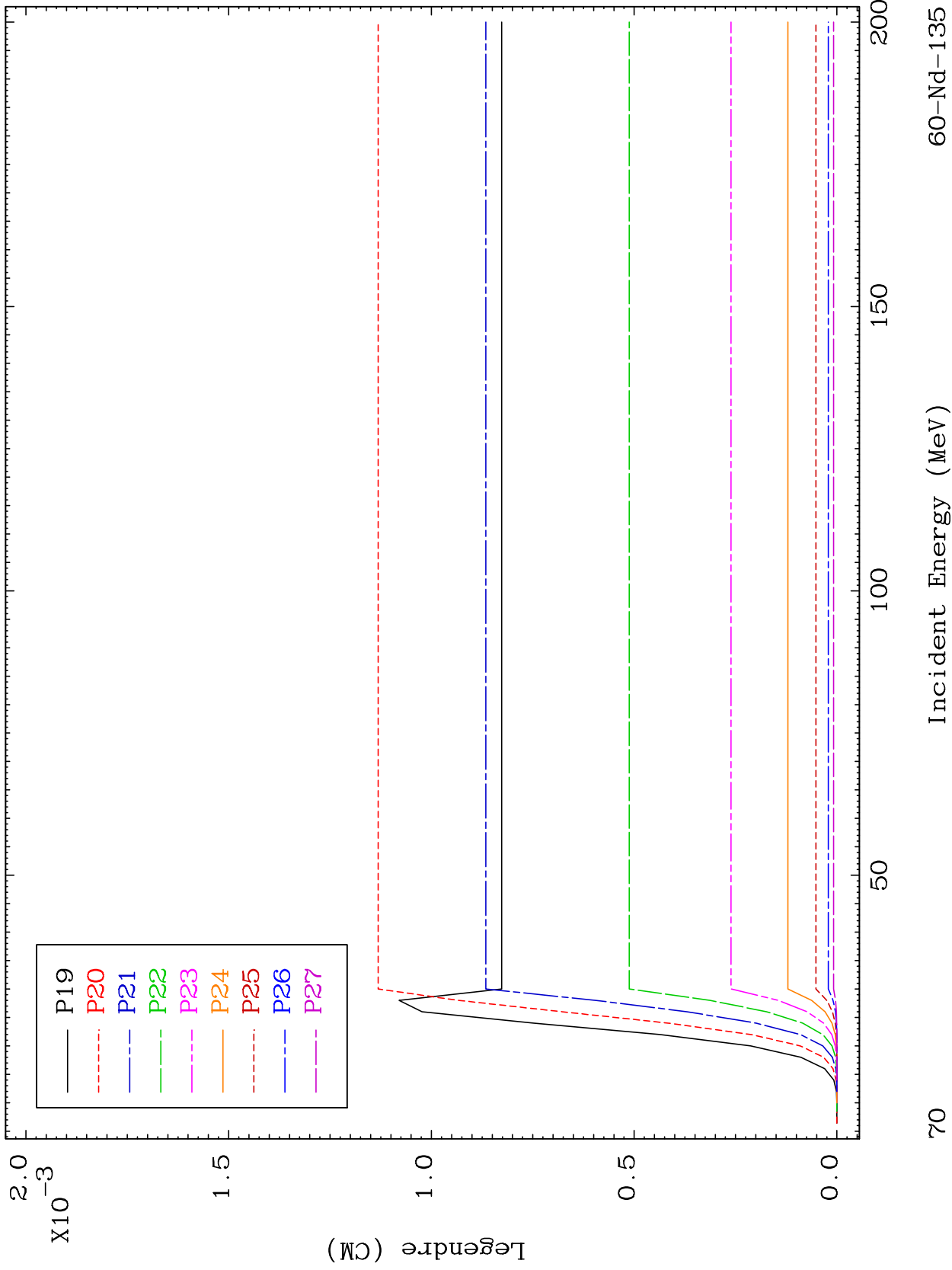
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

60-Nd-135



70

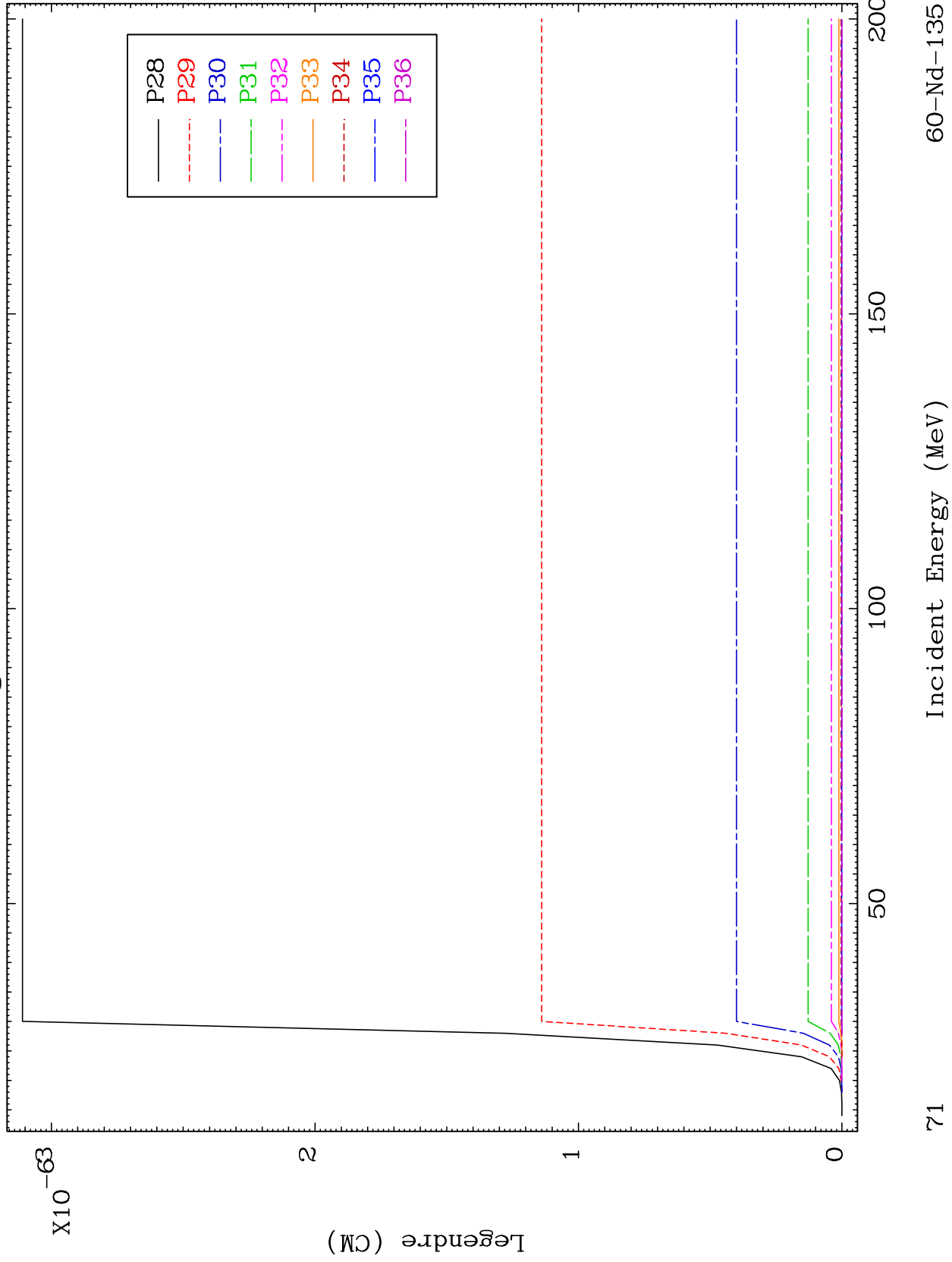
Incident Energy (MeV)

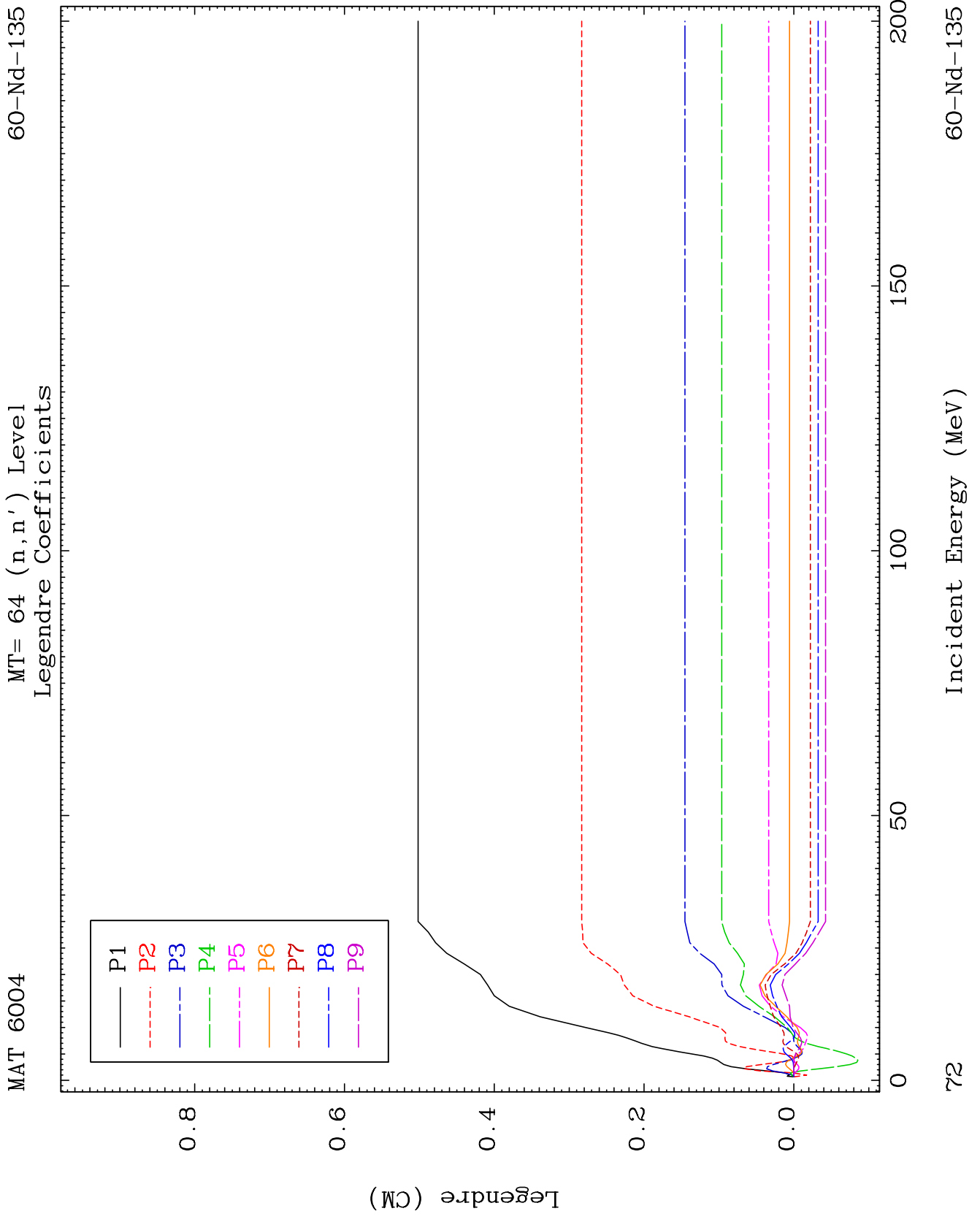
60-Nd-135

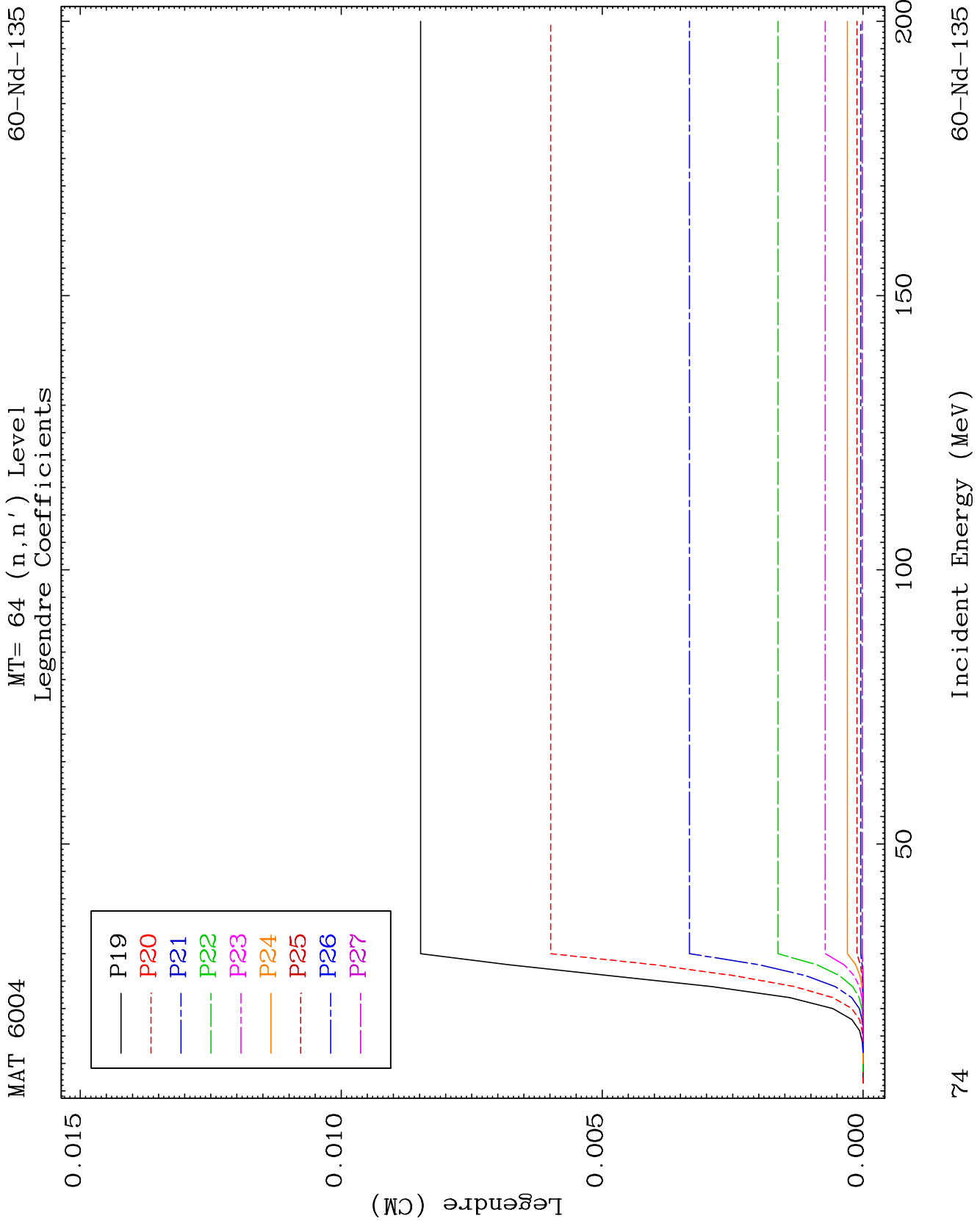
MAT 6004

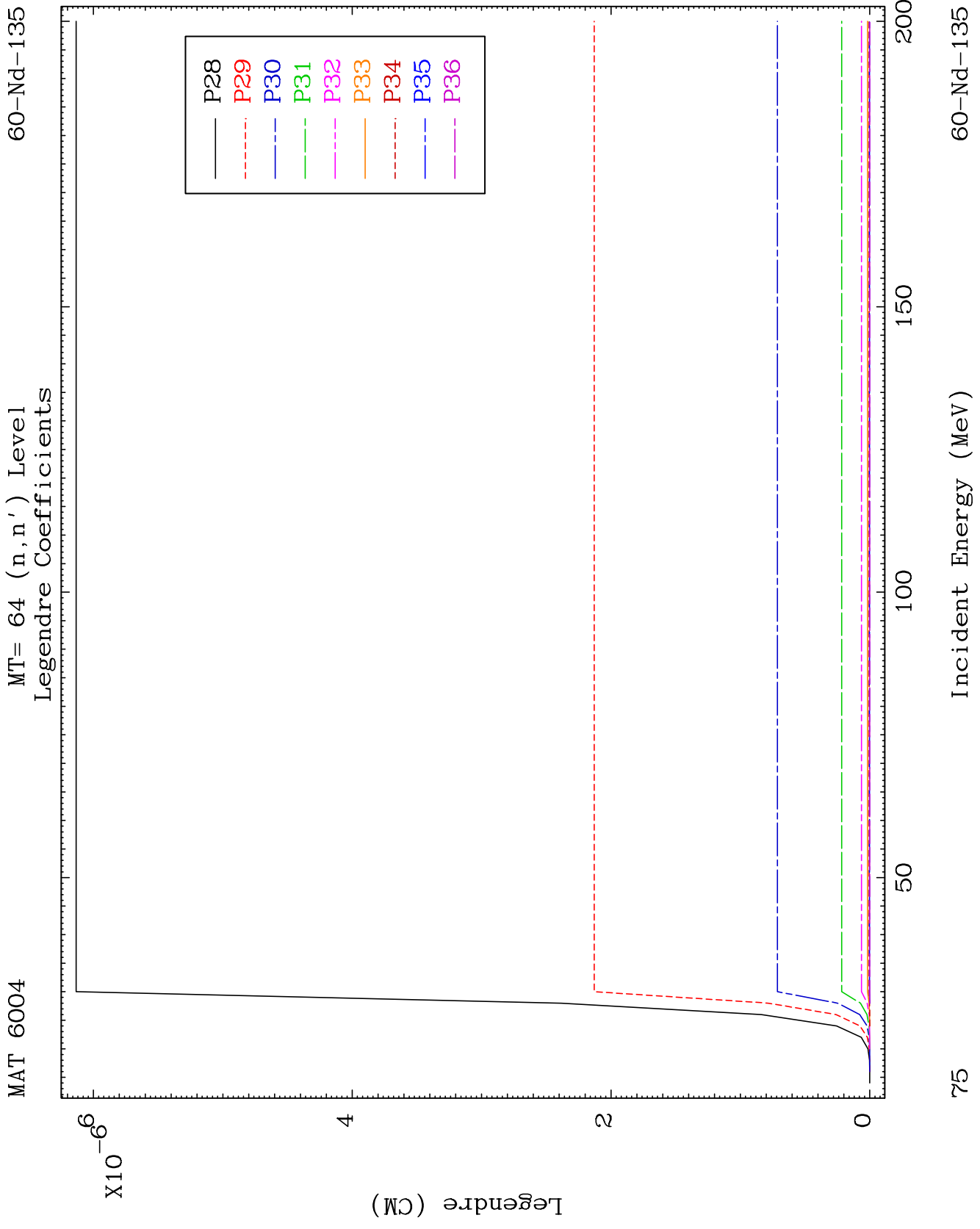
MT= 63 (n,n') Level
Legendre Coefficients

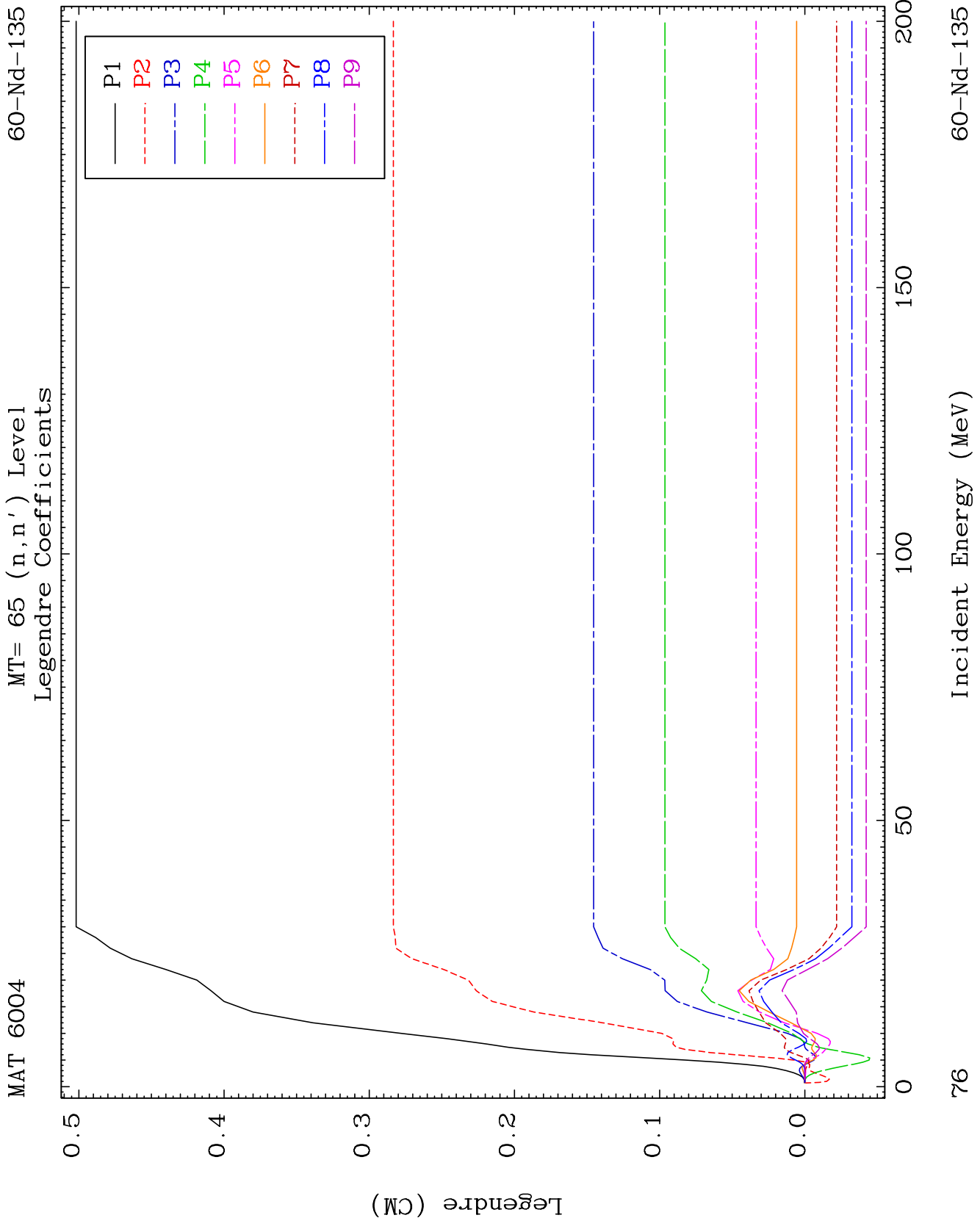
60-Nd-135







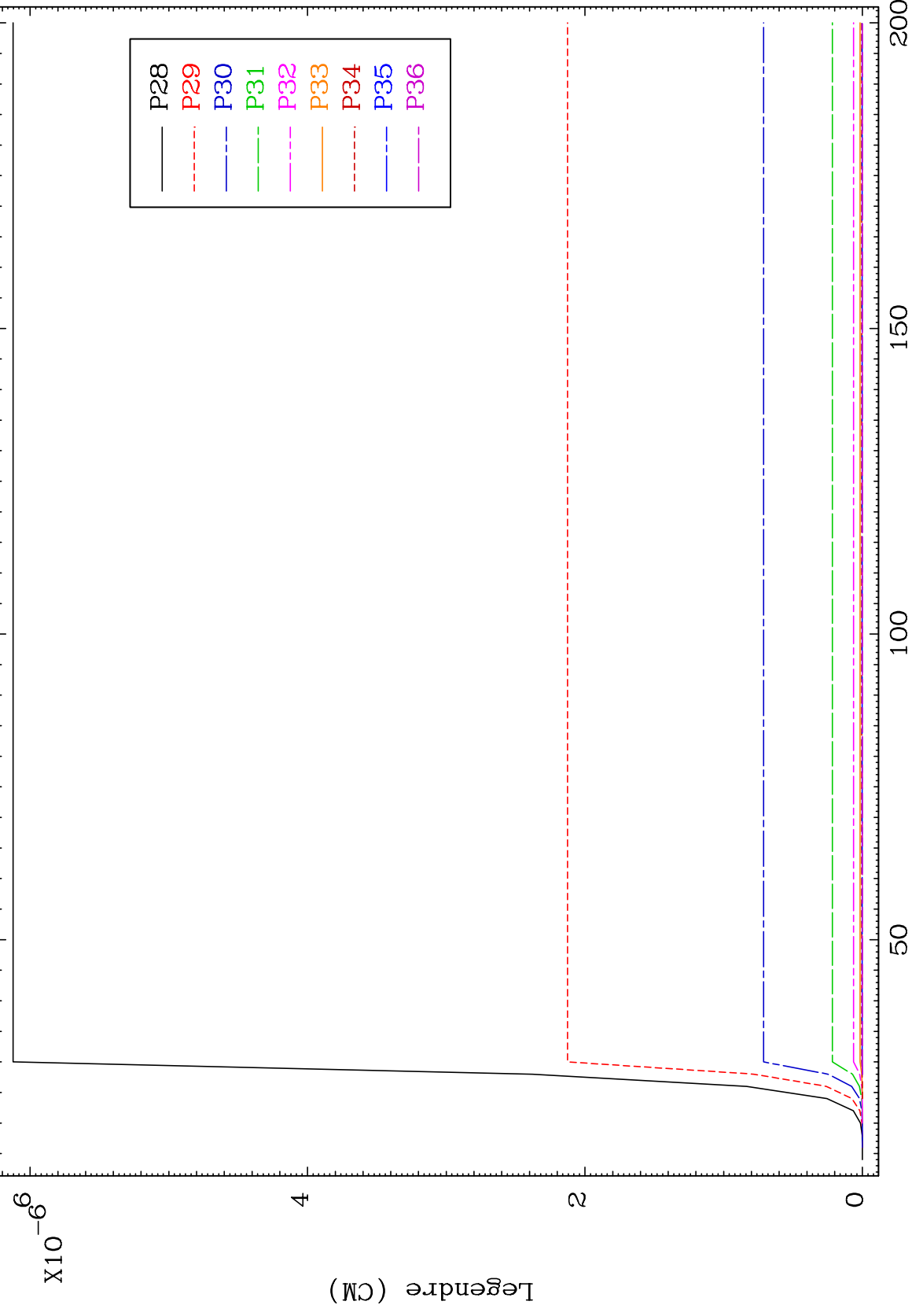




MAT 6004

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

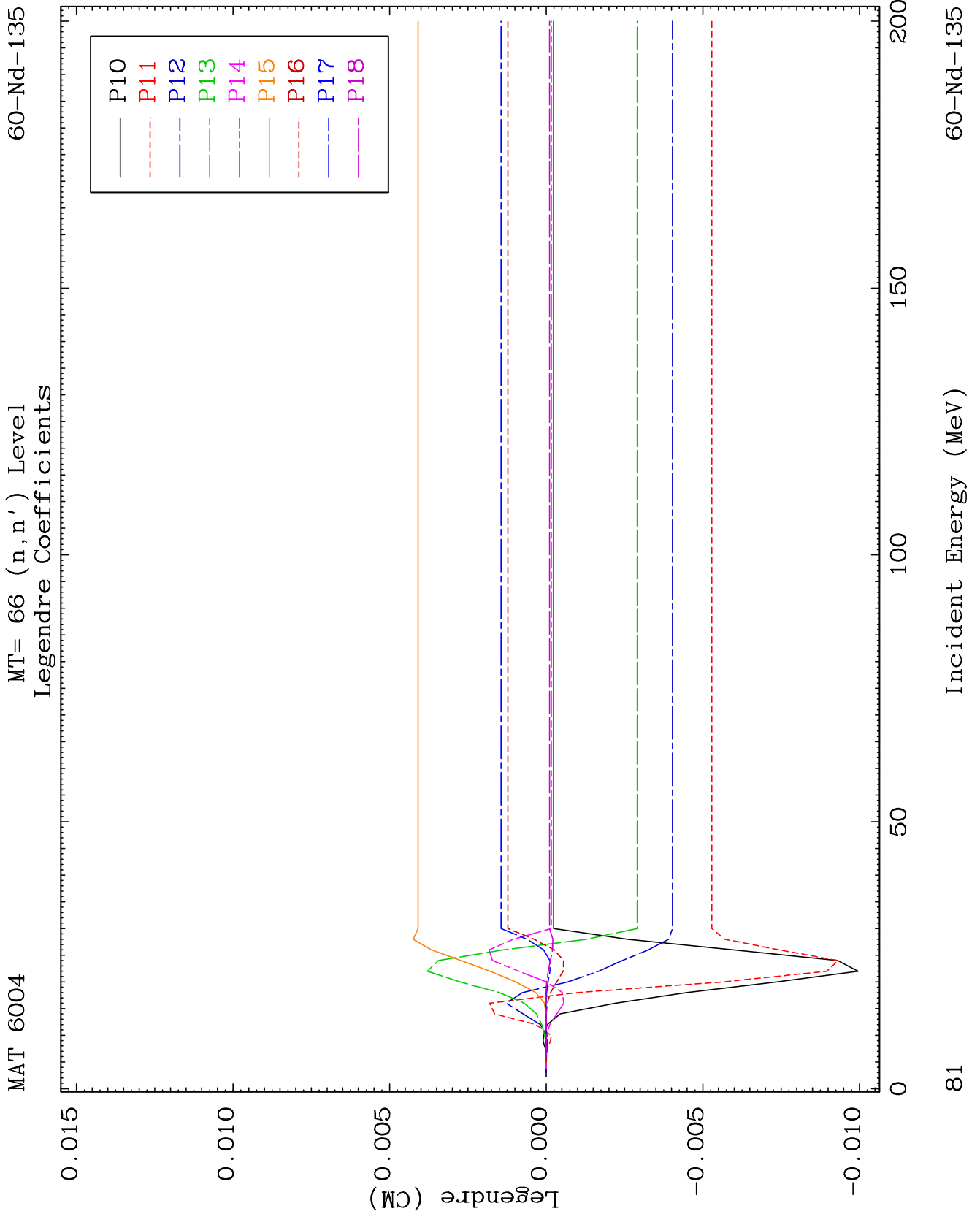
60-Nd-135

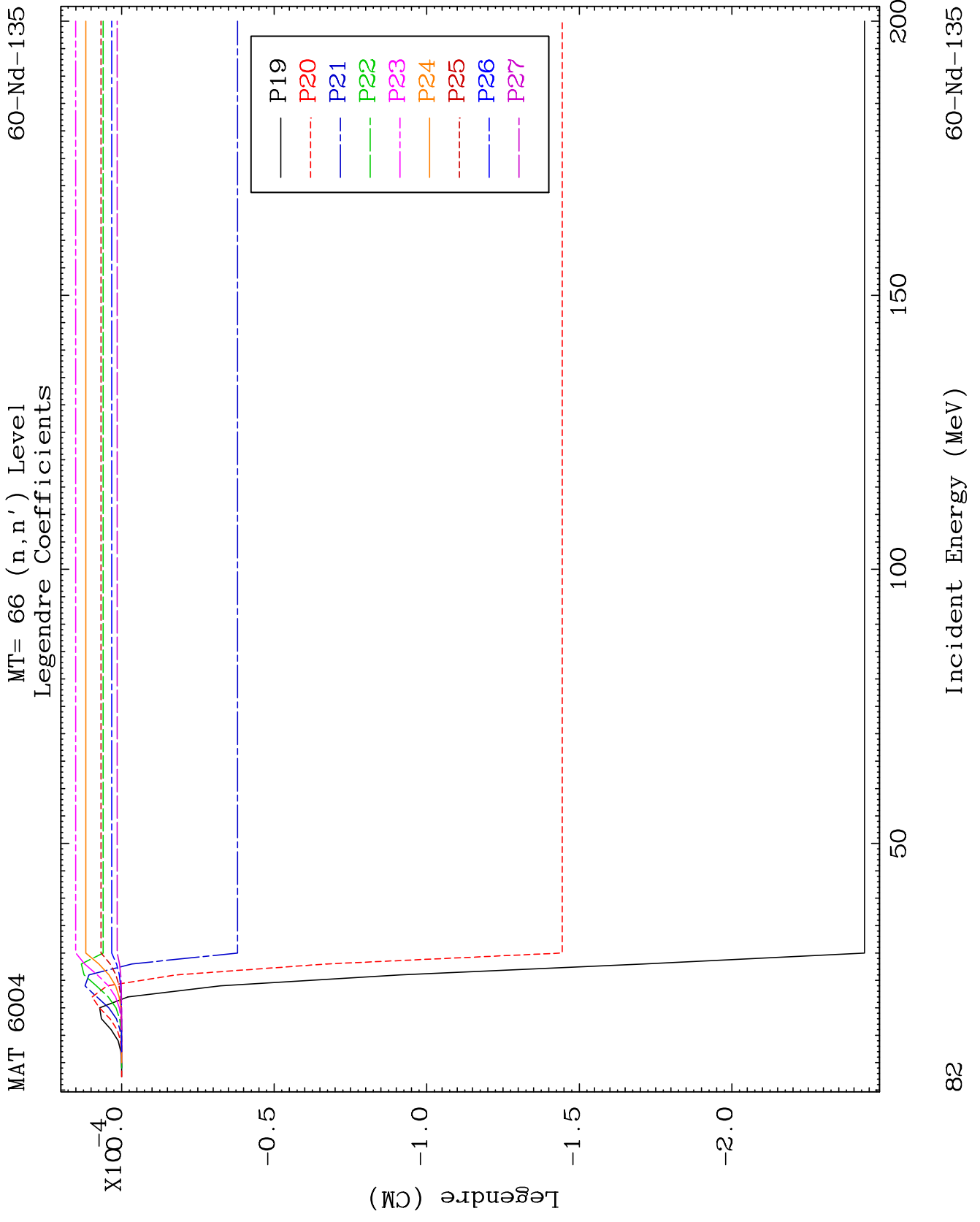


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Incident Energy (MeV)

60-Nd-135

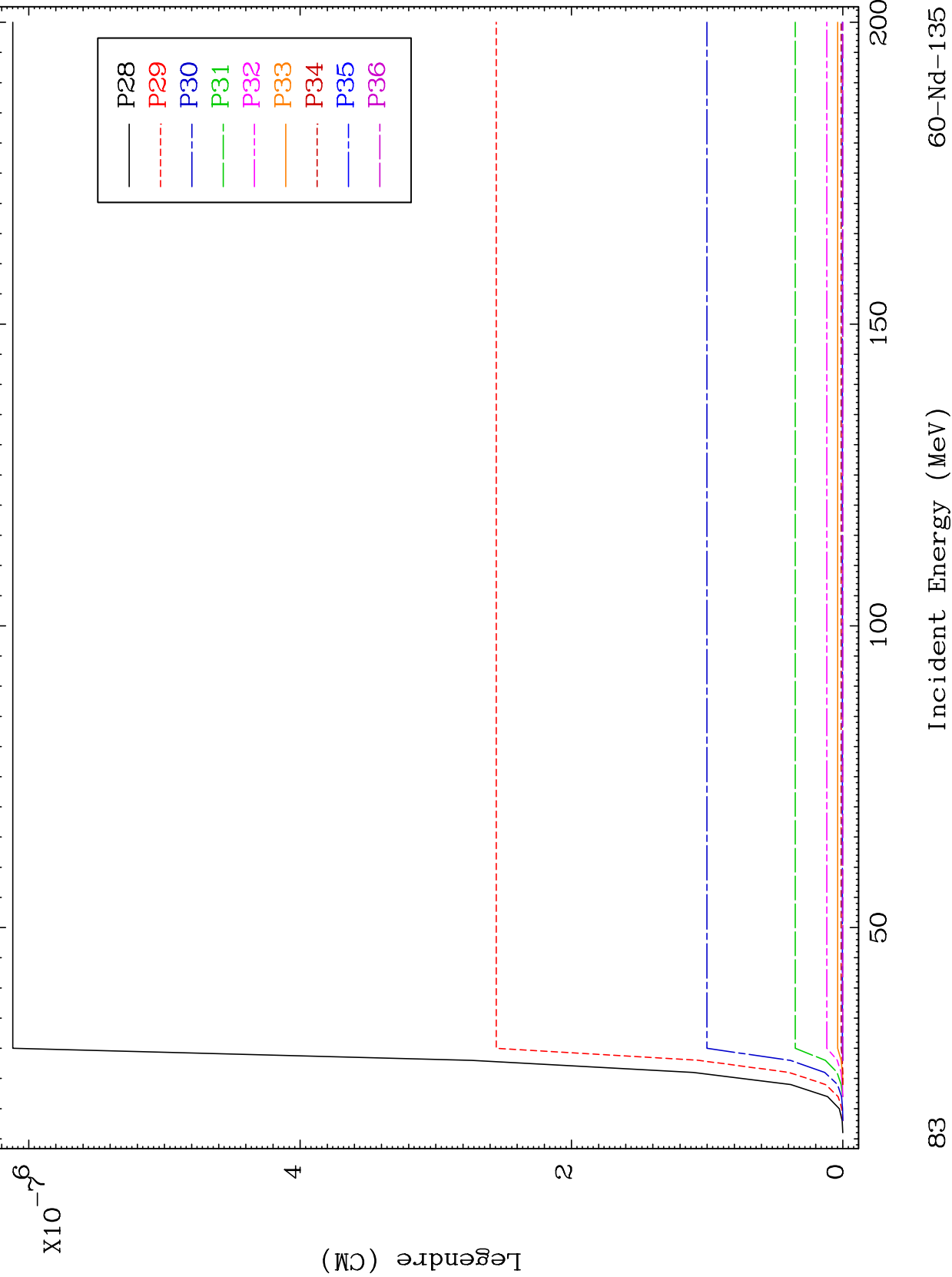


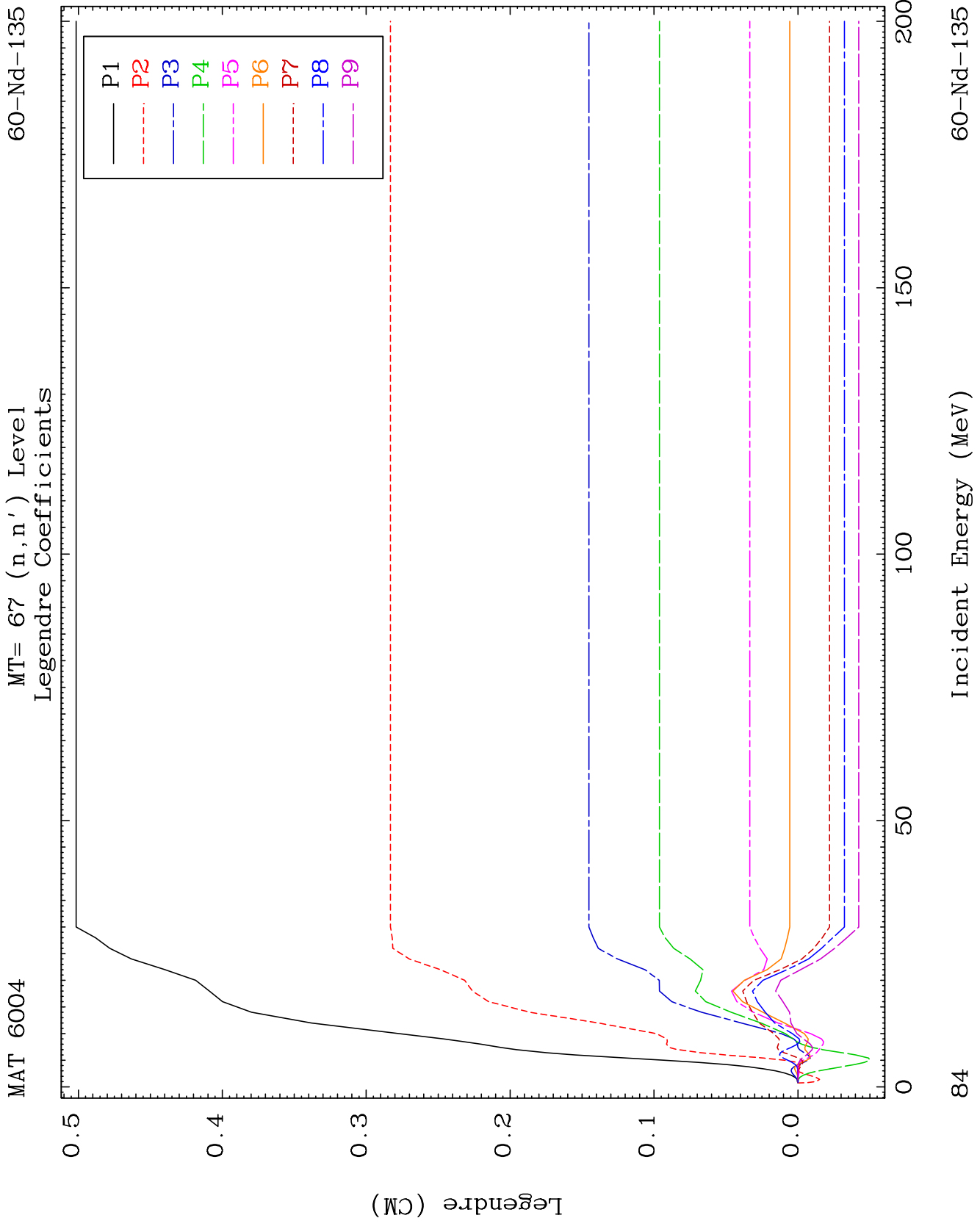


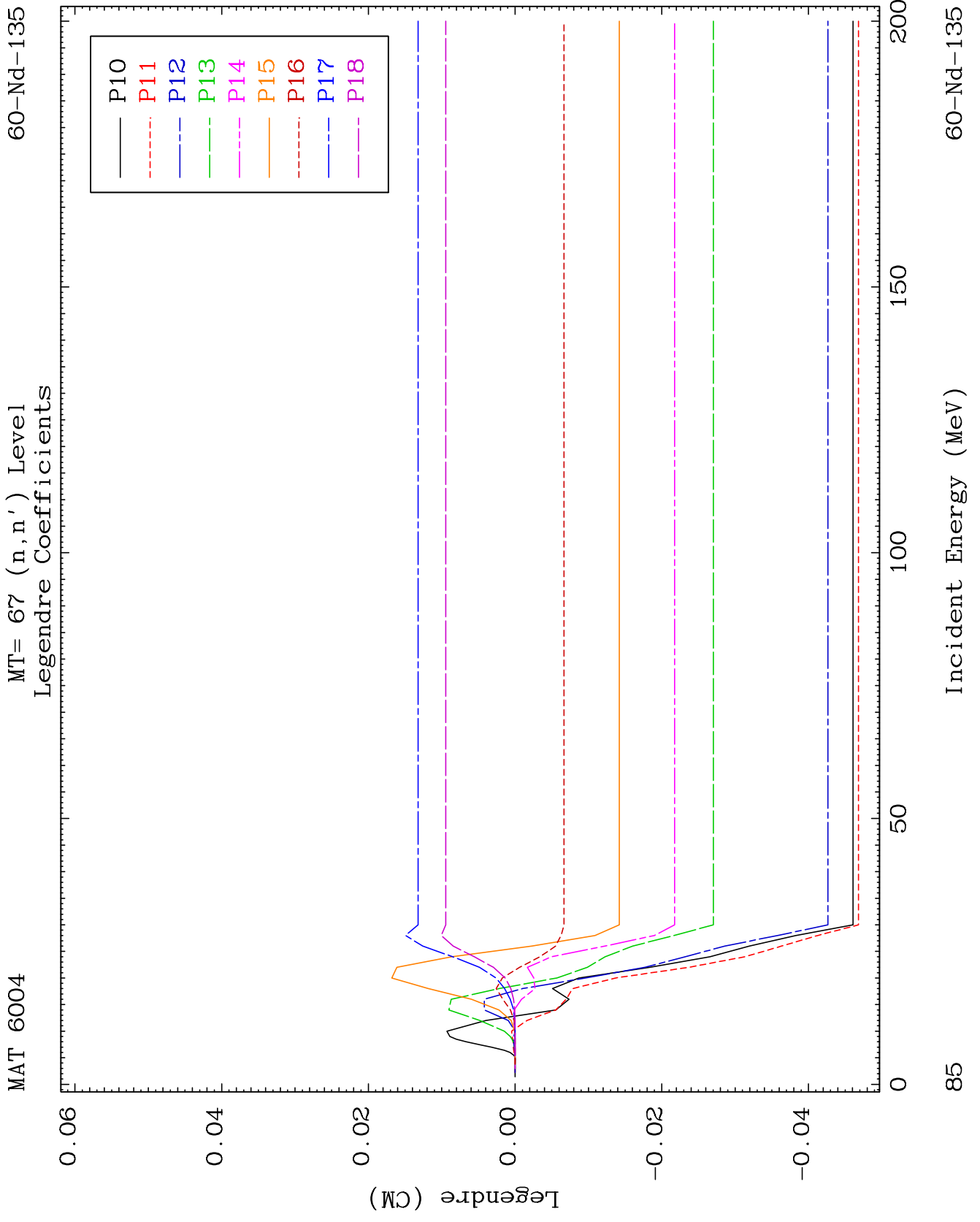
MAT 6004

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

60-Nd-135



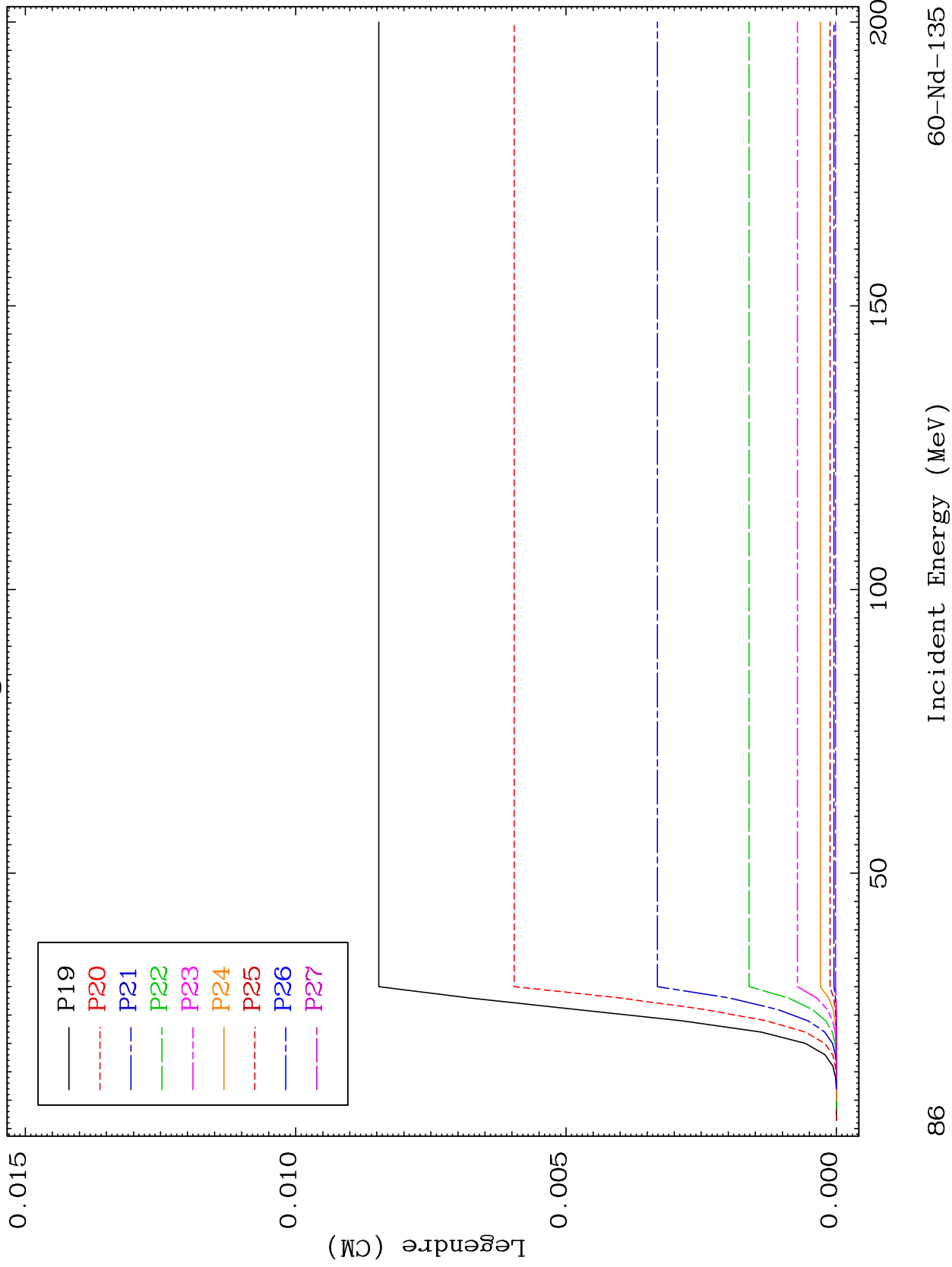




MAT 6004

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

60-Nd-135



86

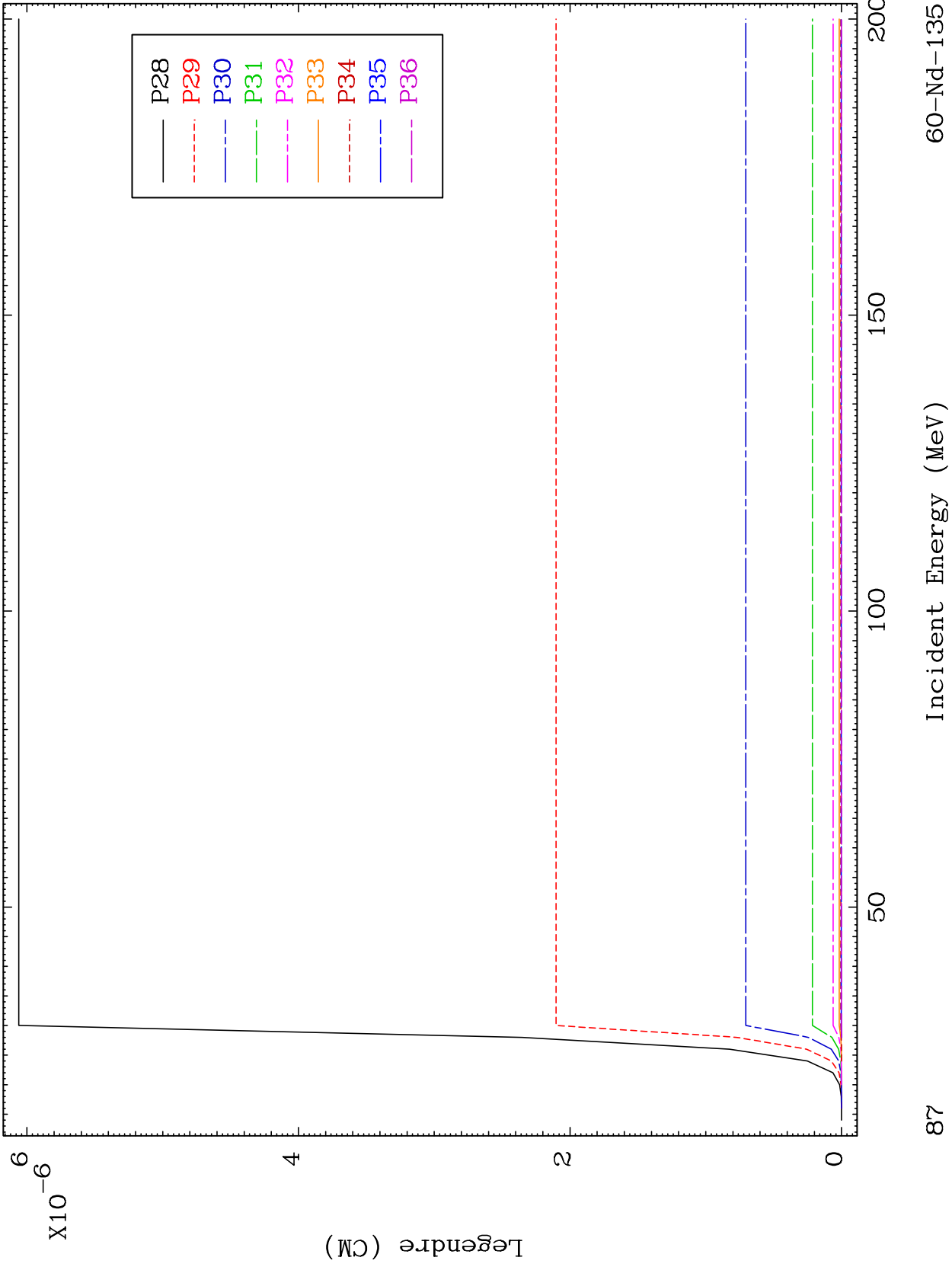
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

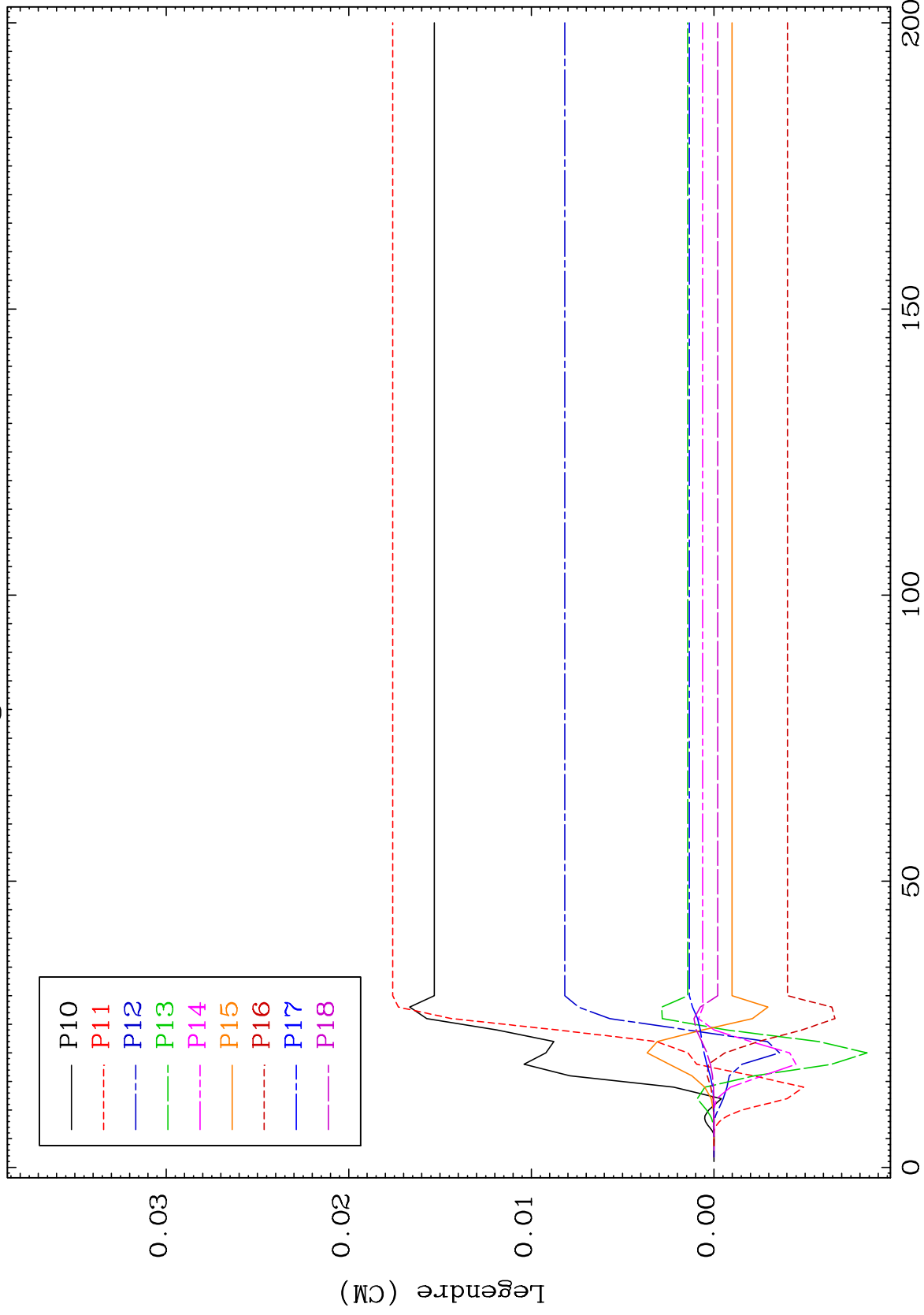
60-Nd-135



MAT 6004

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

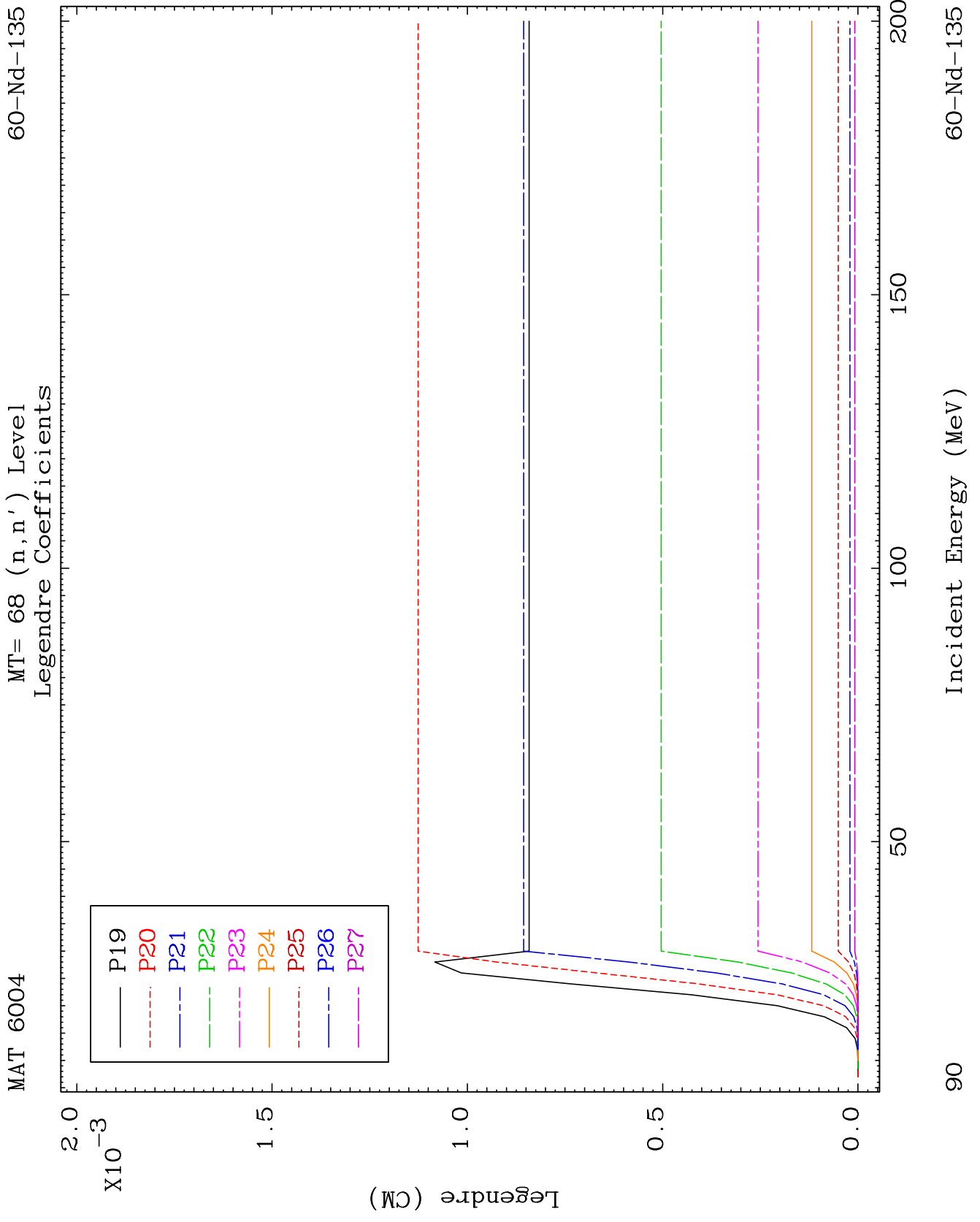
60-Nd-135



89

Incident Energy (MeV)

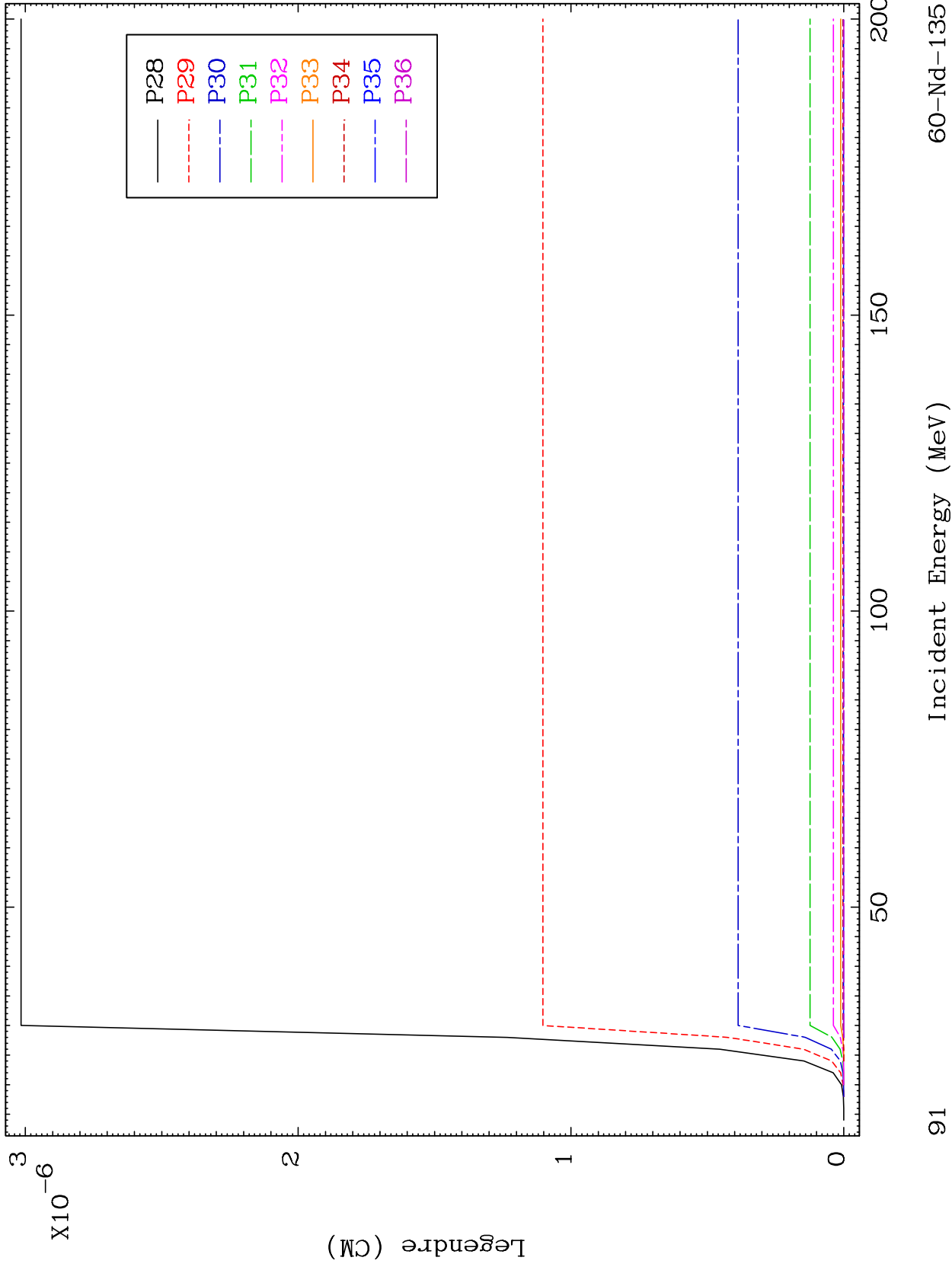
60-Nd-135

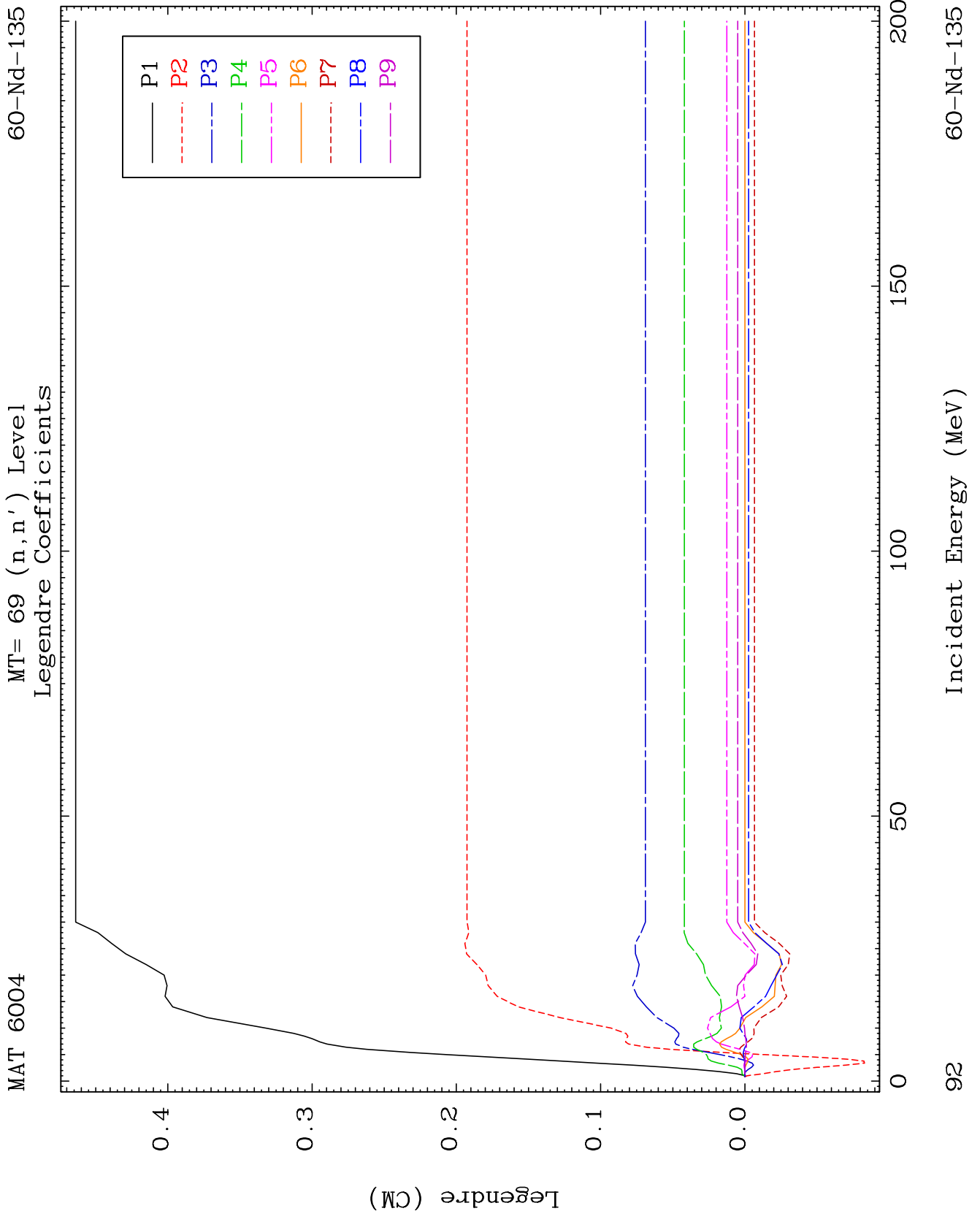


MAT 6004

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

60-Nd-135

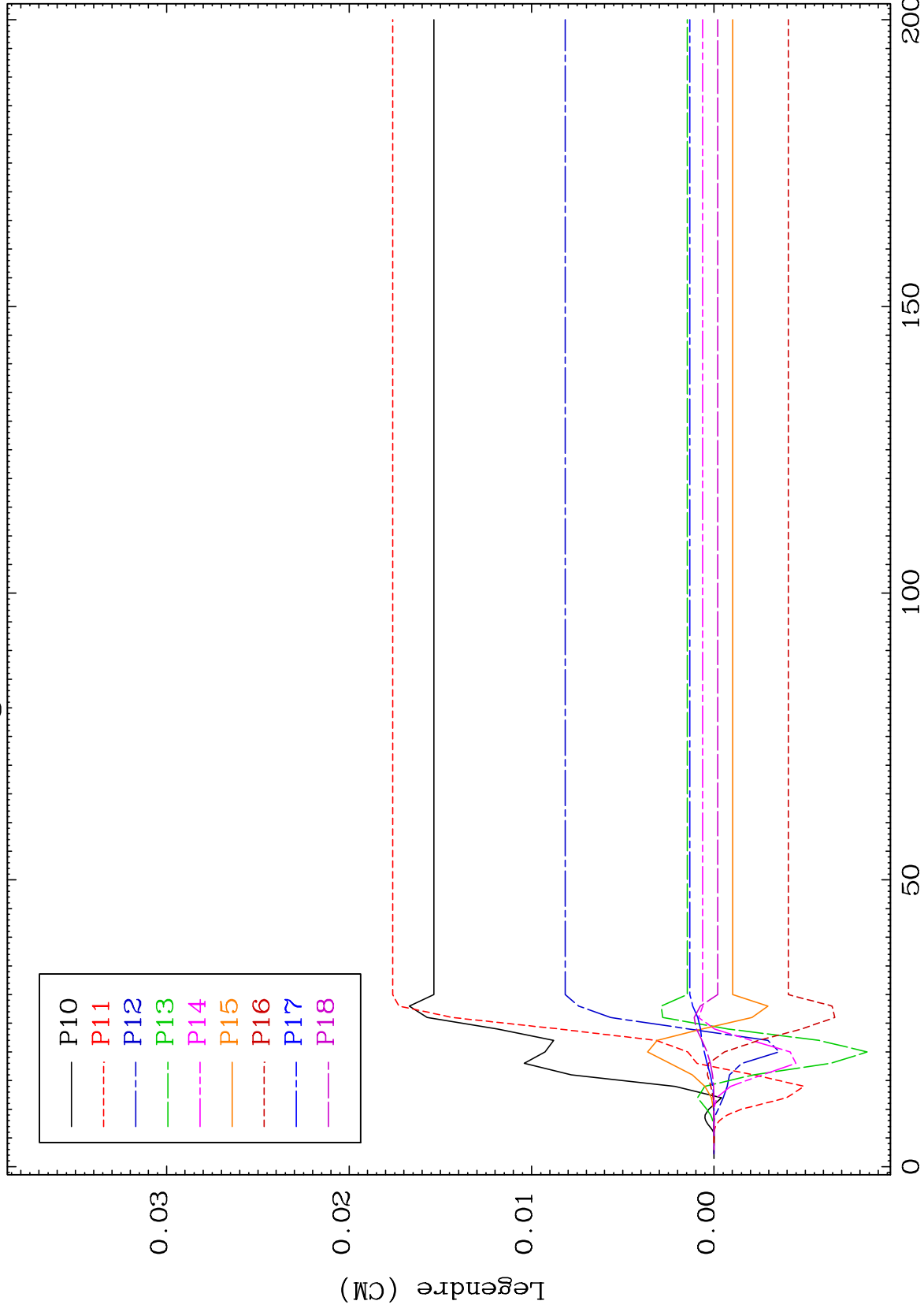




MAT 6004

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

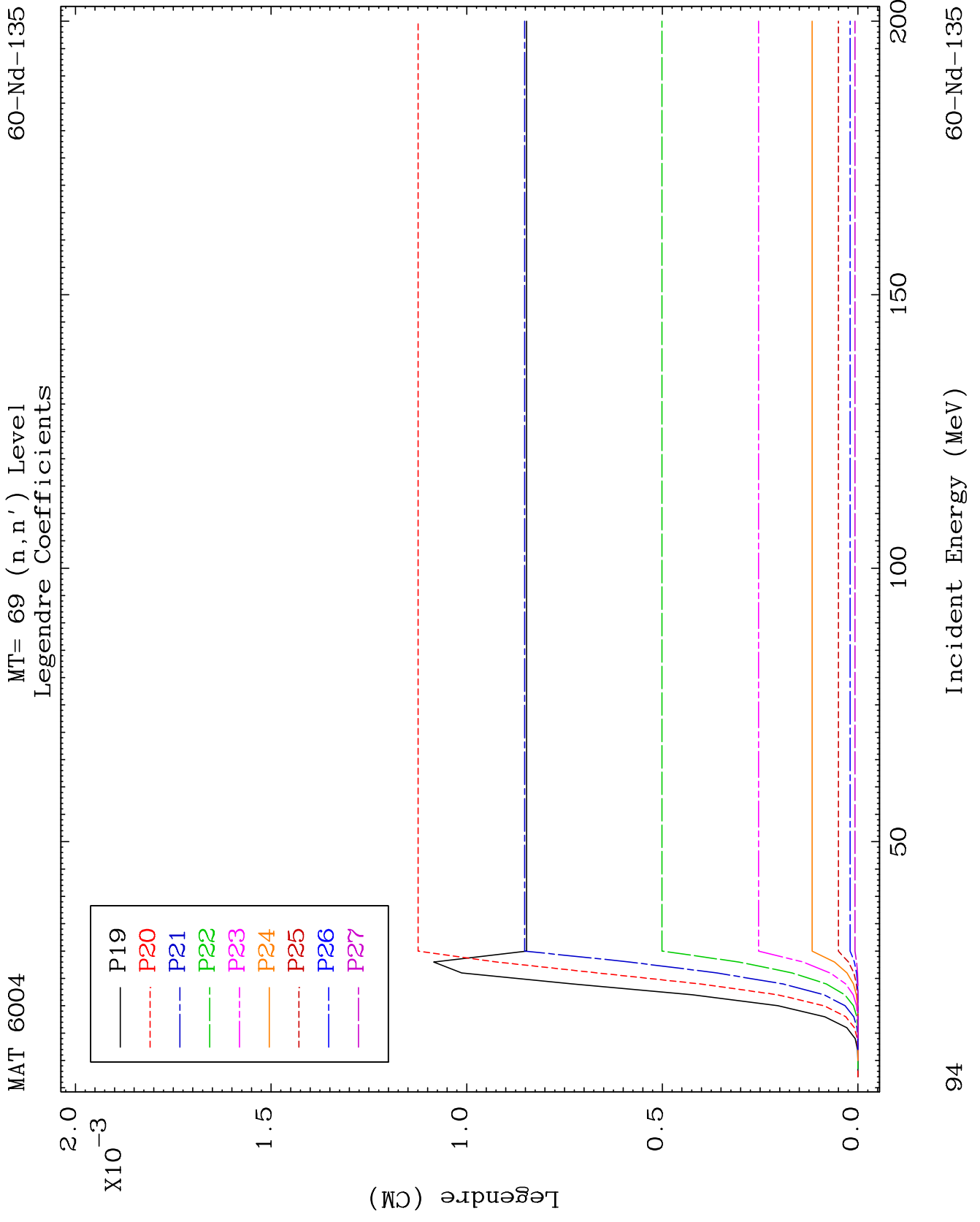
60-Nd-135



93

Incident Energy (MeV)

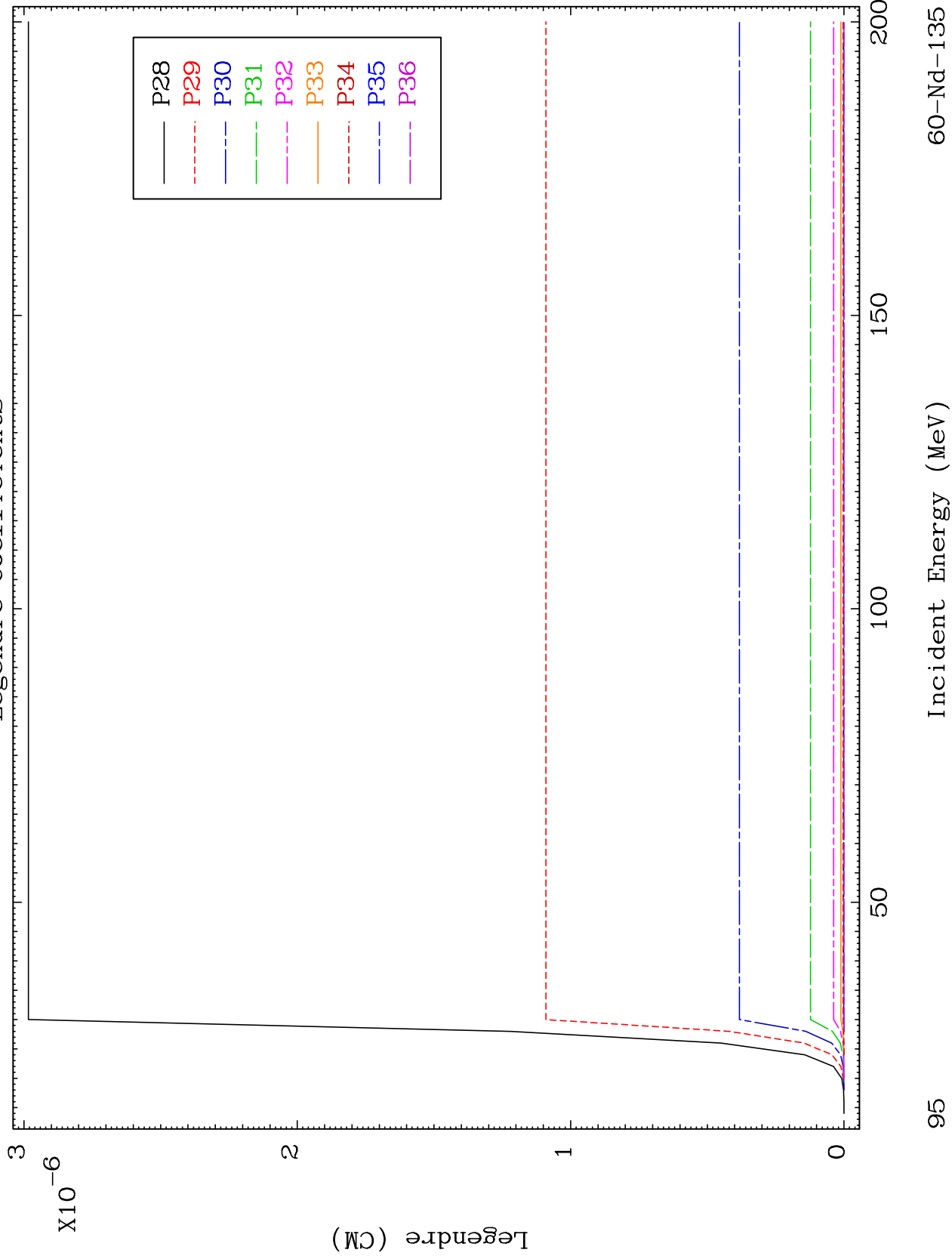
60-Nd-135



MAT 6004

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

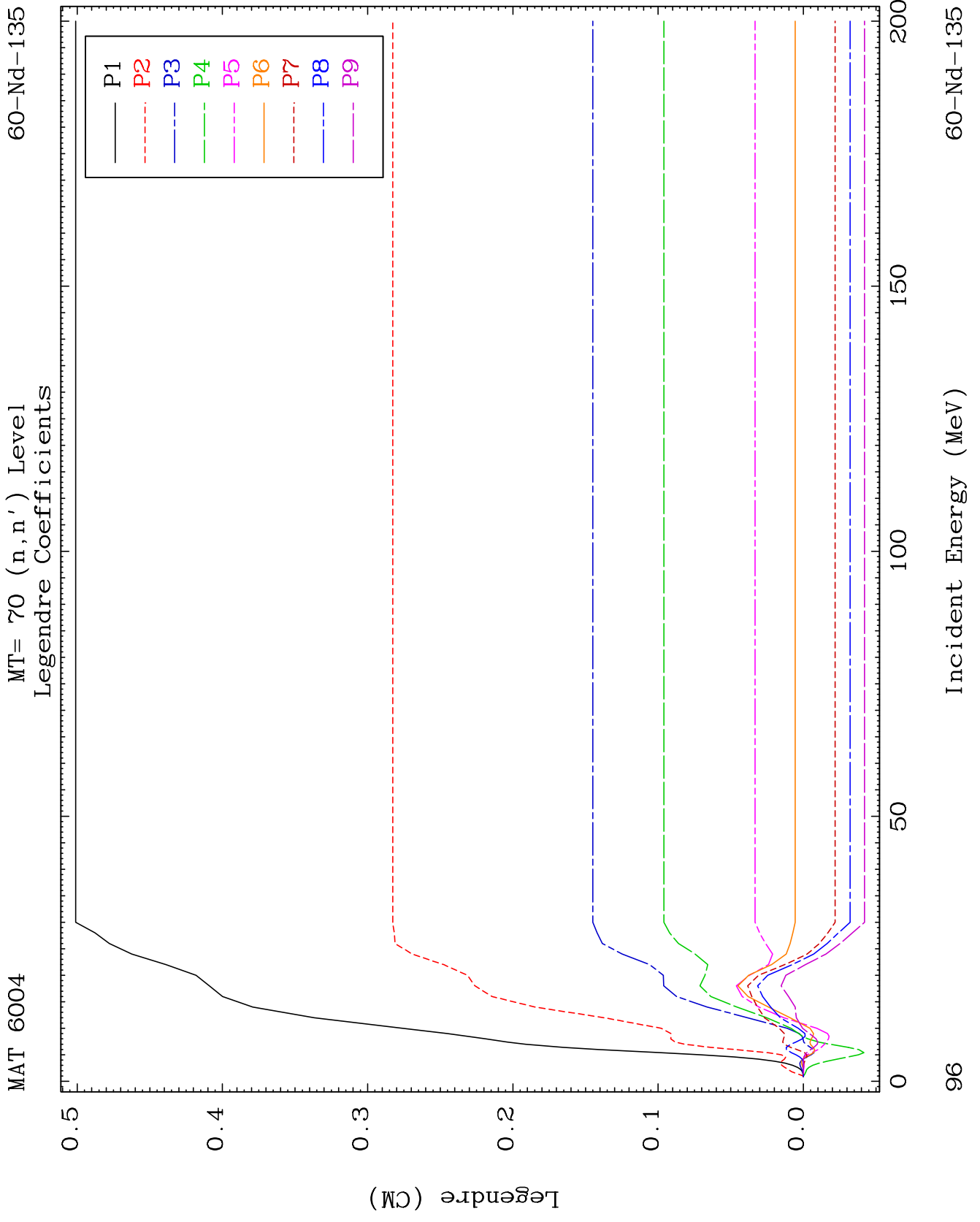
60-Nd-135

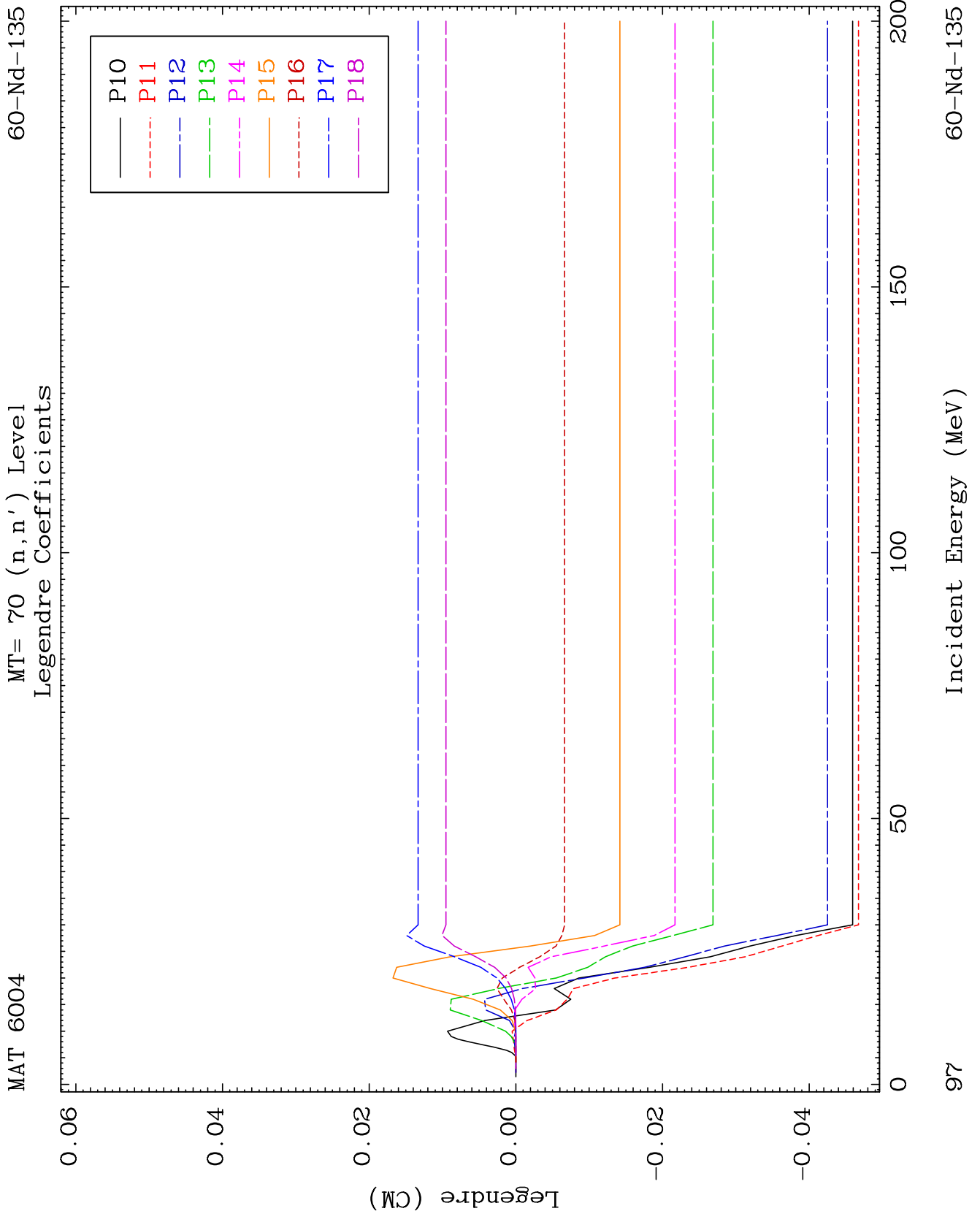


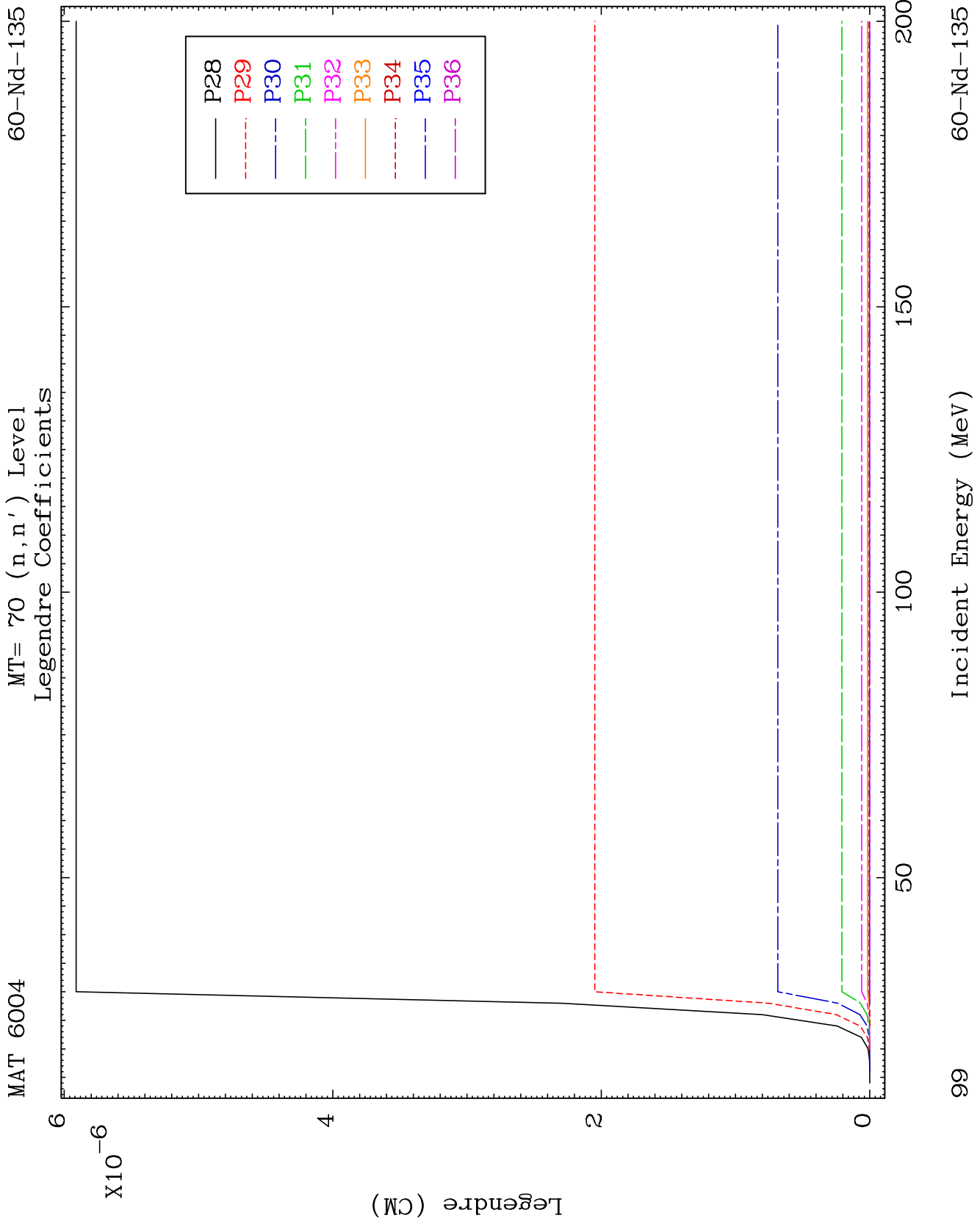
95

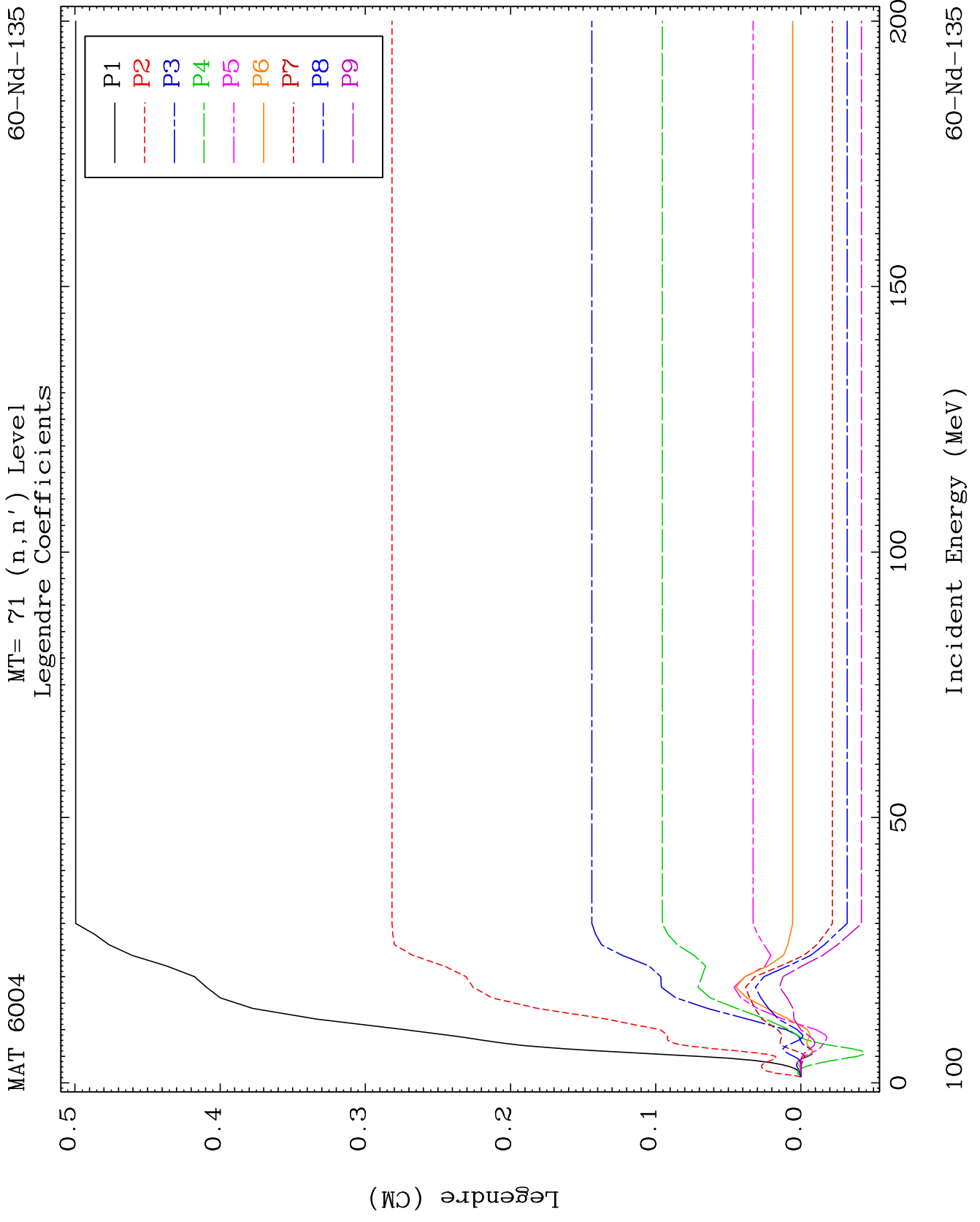
Incident Energy (MeV)

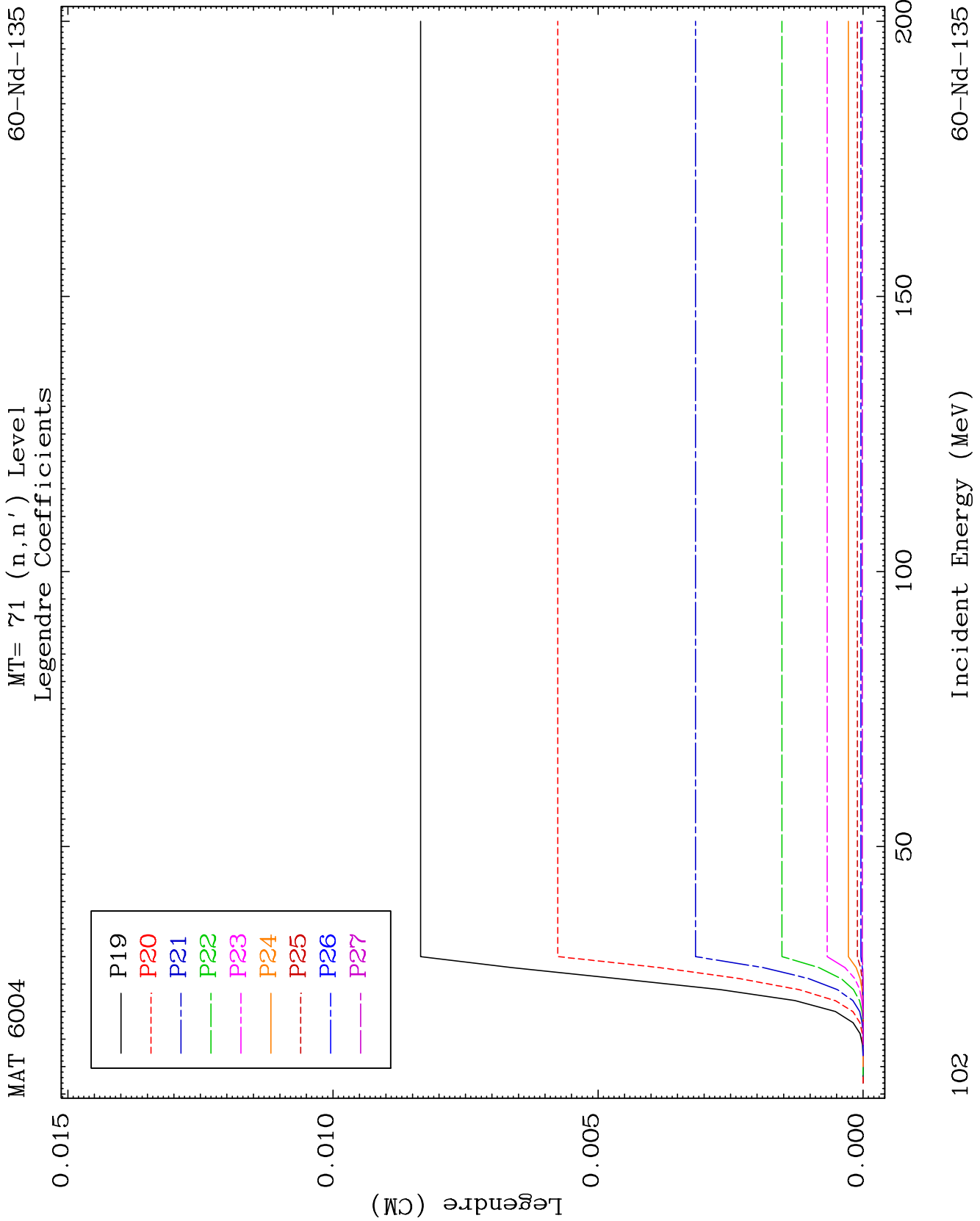
60-Nd-135

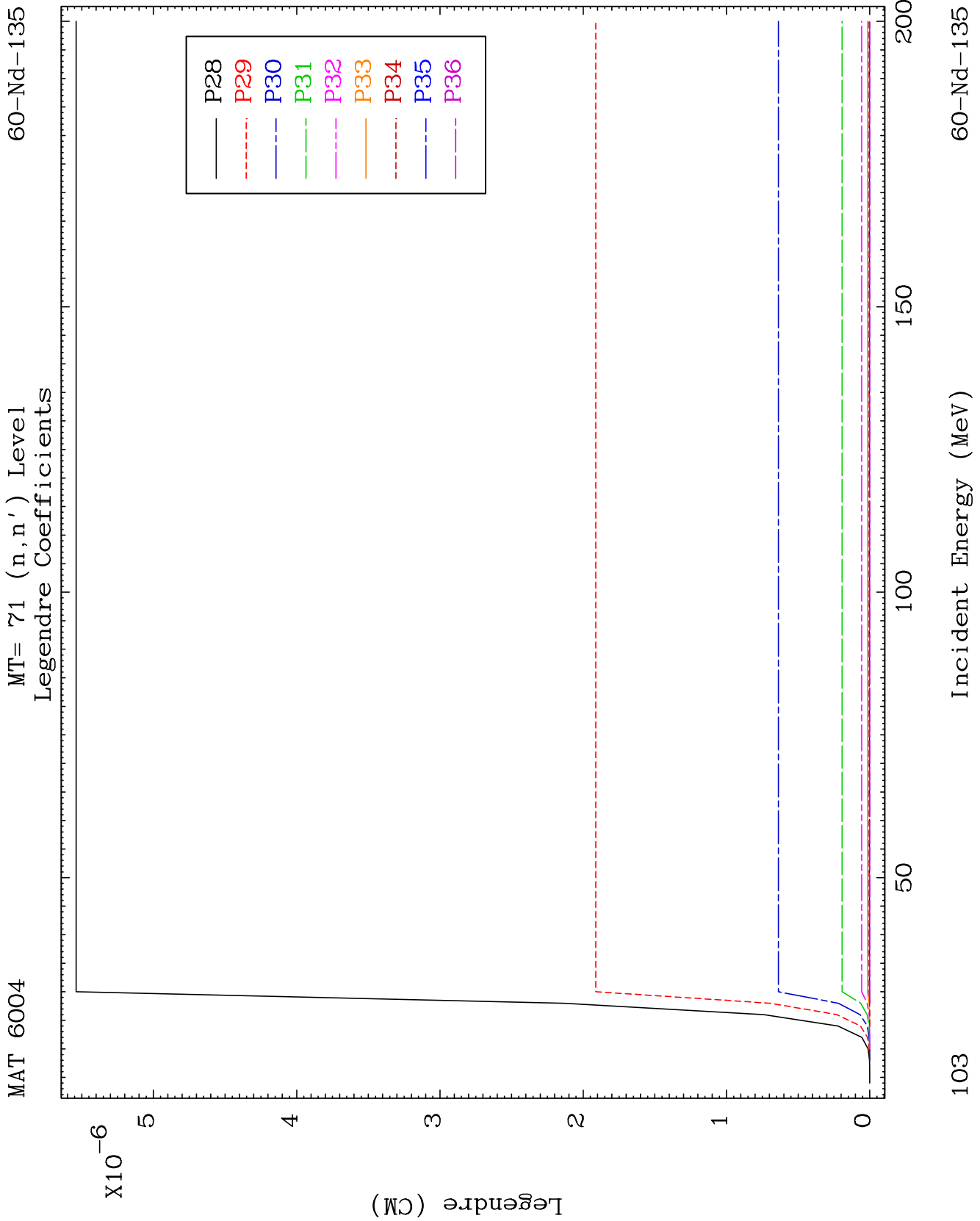


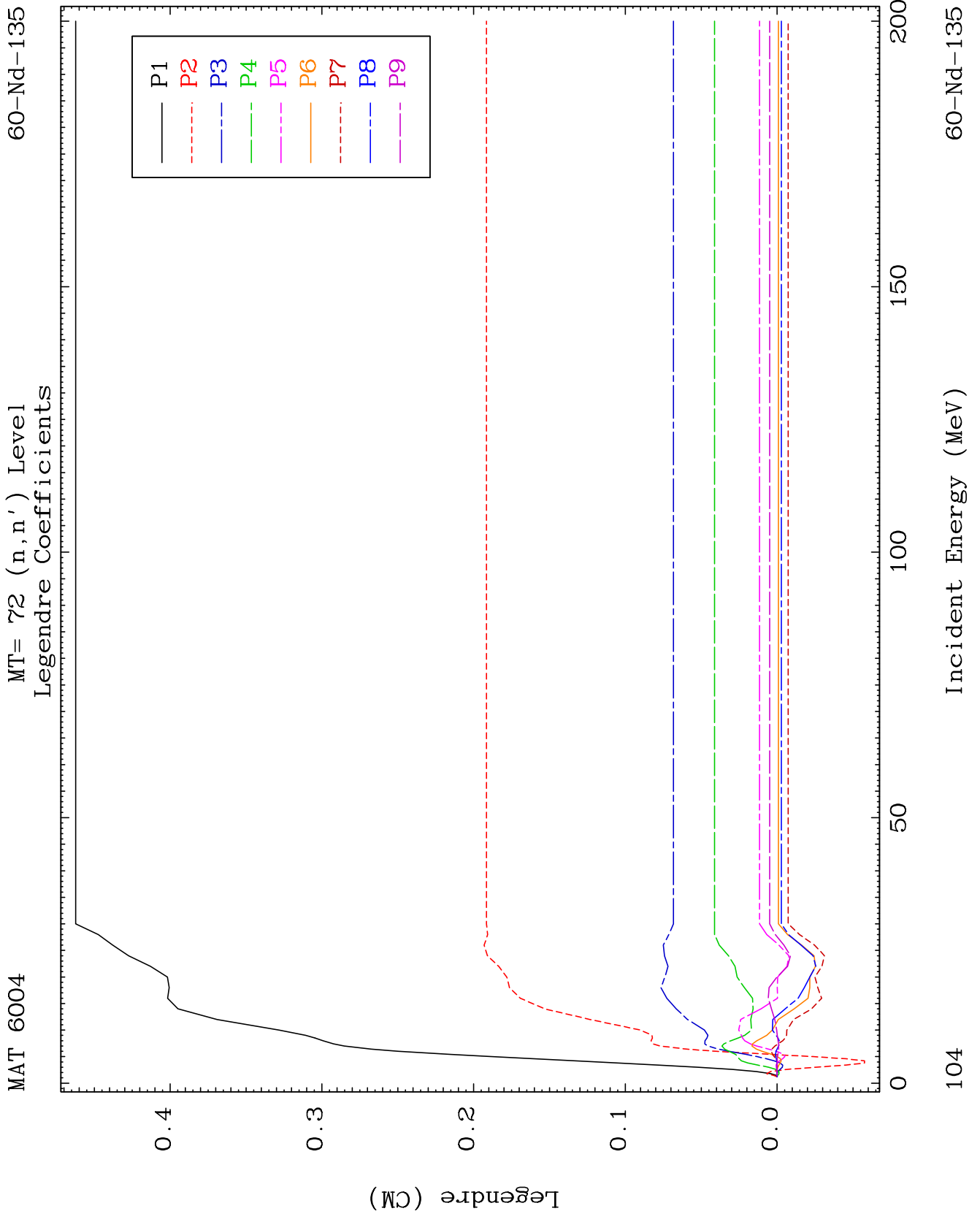








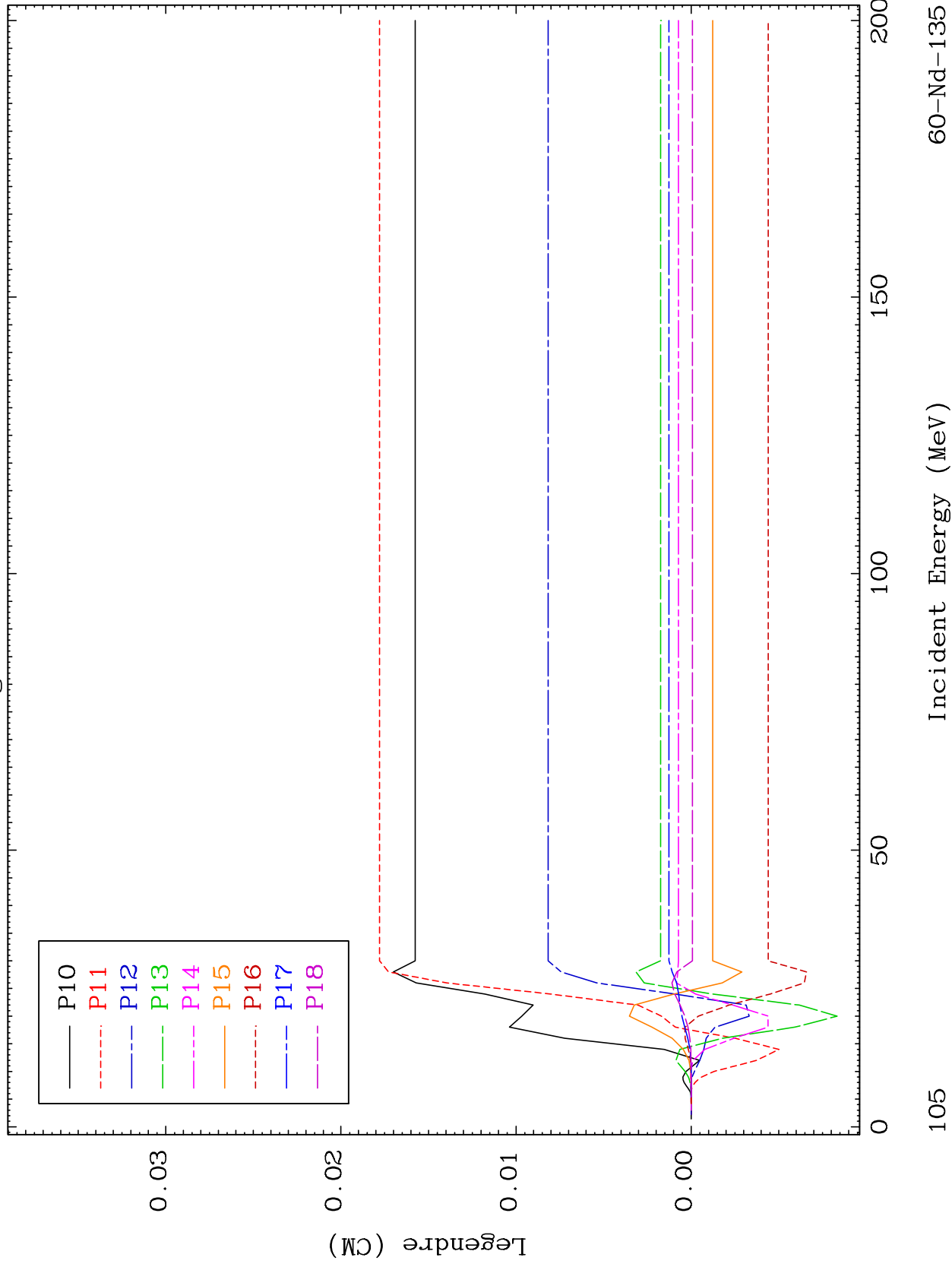




MAT 6004

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

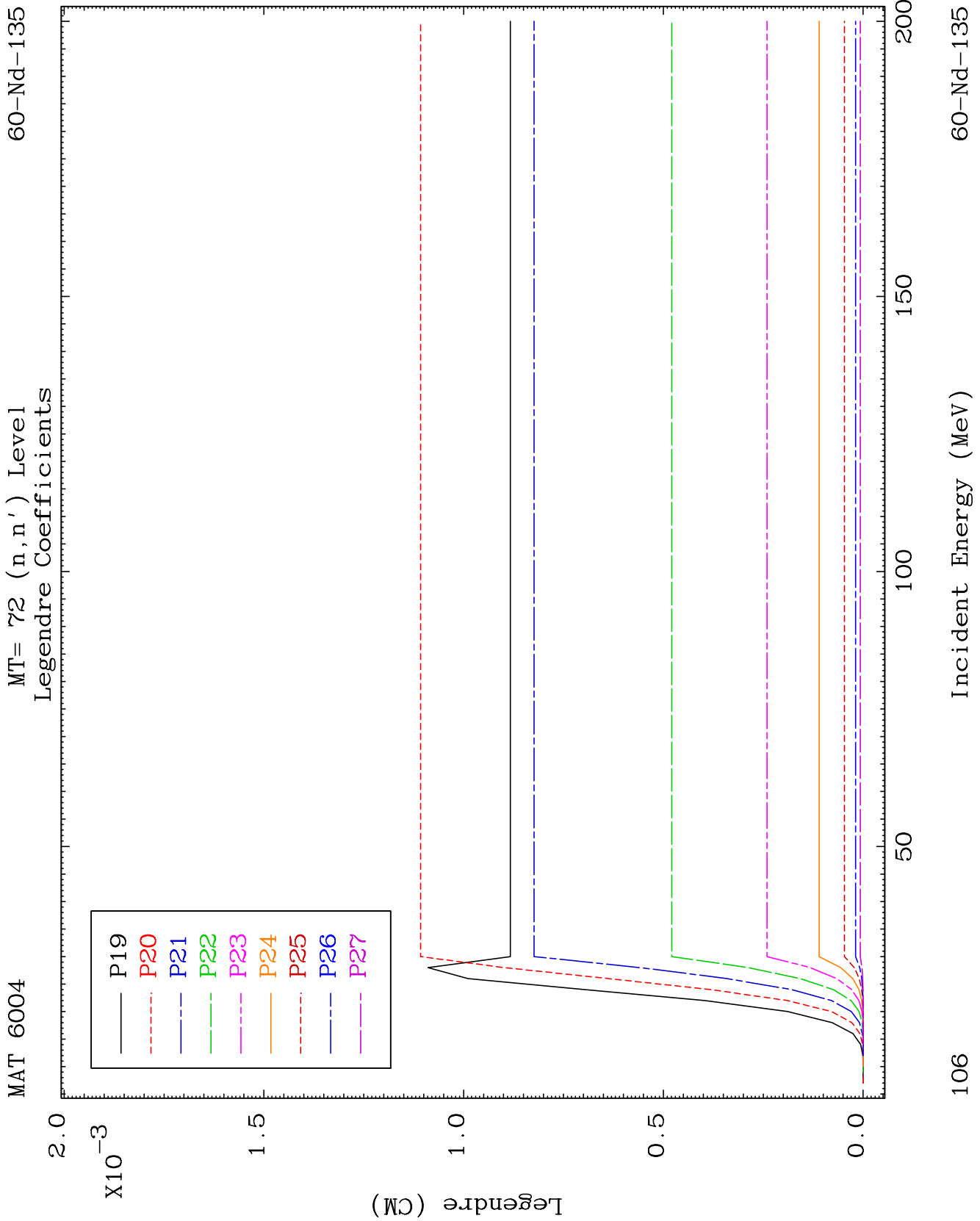
60-Nd-135



60-Nd-135

Incident Energy (MeV)

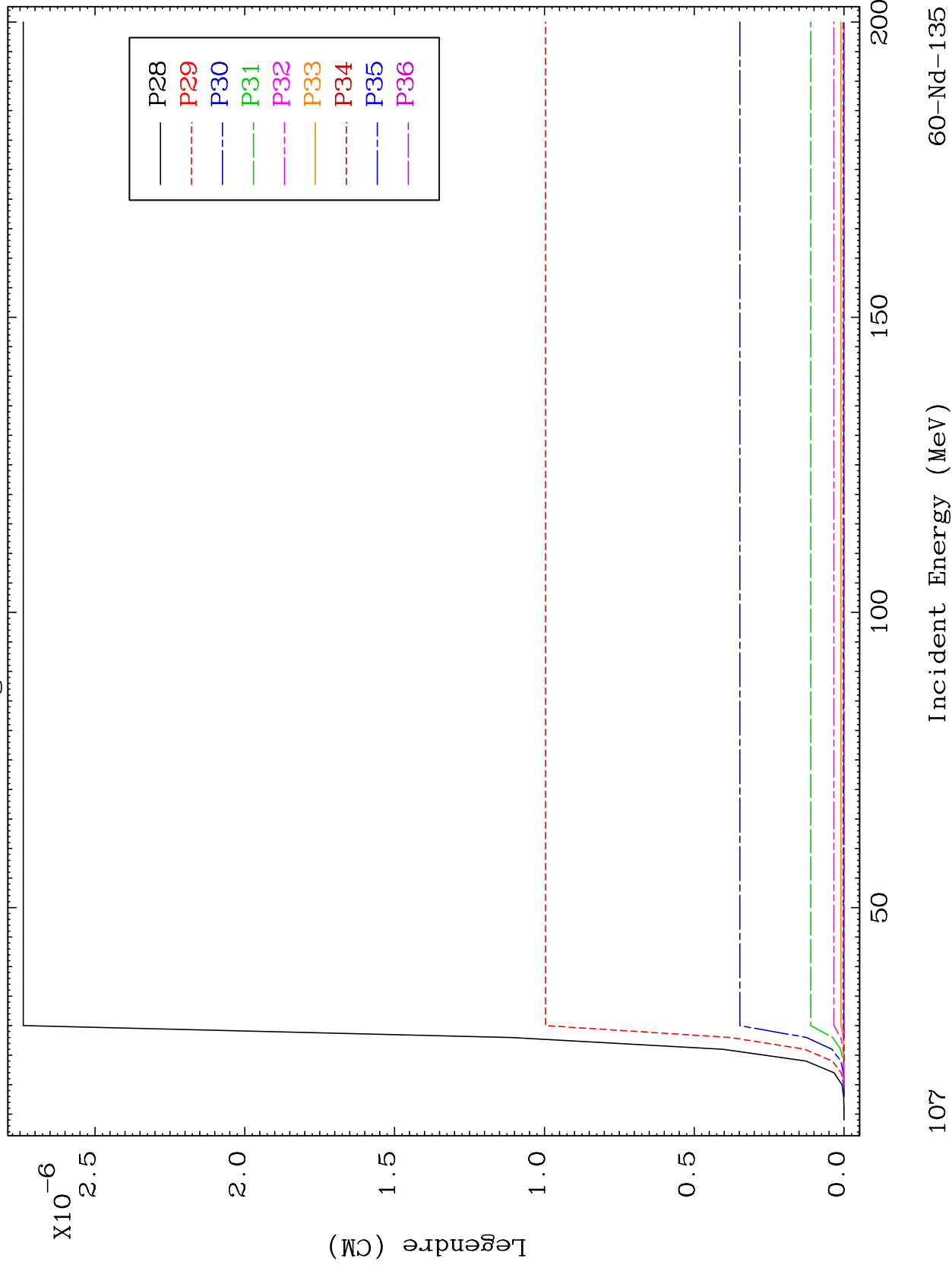
105



MAT 6004

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

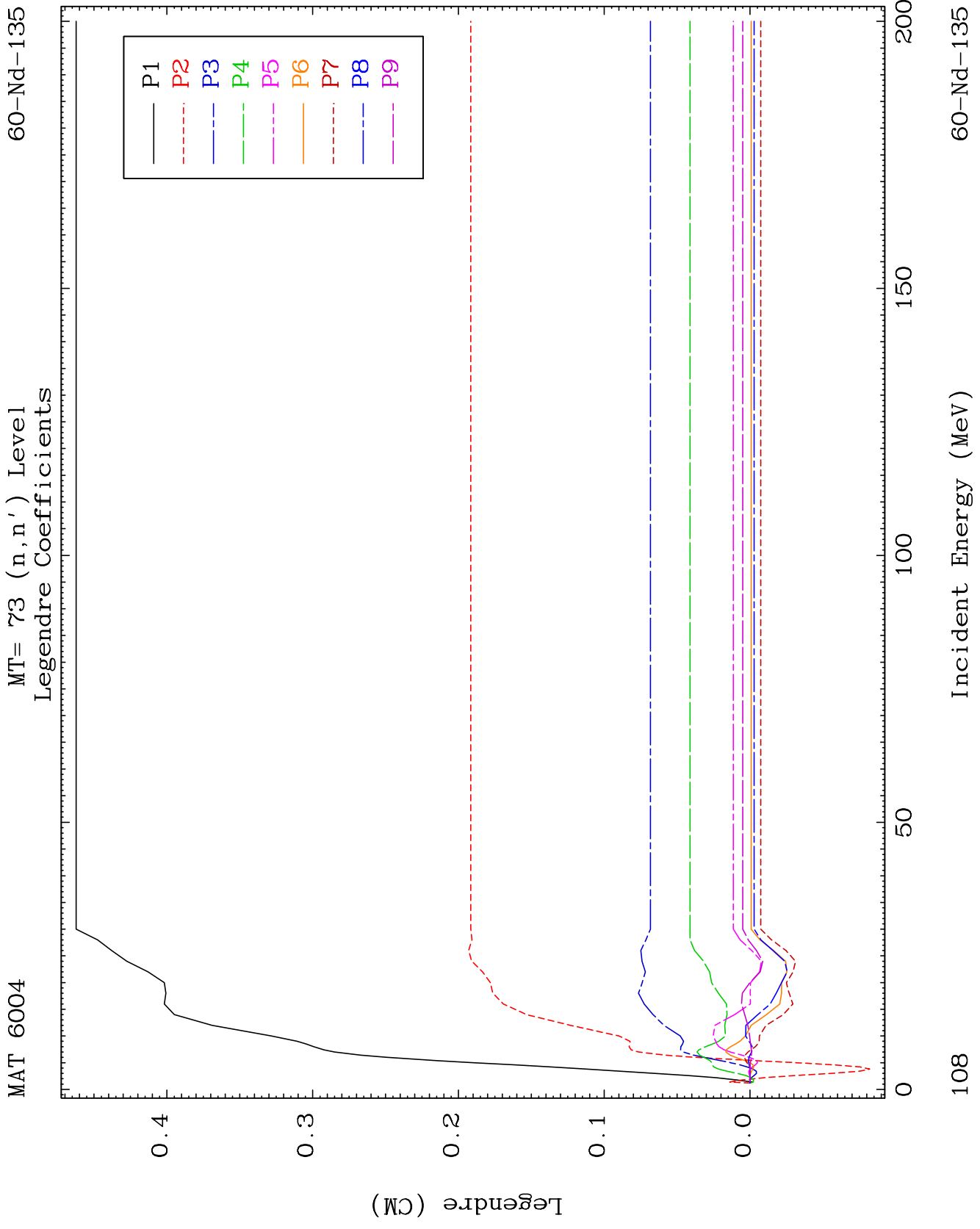
60-Nd-135



107

Incident Energy (MeV)

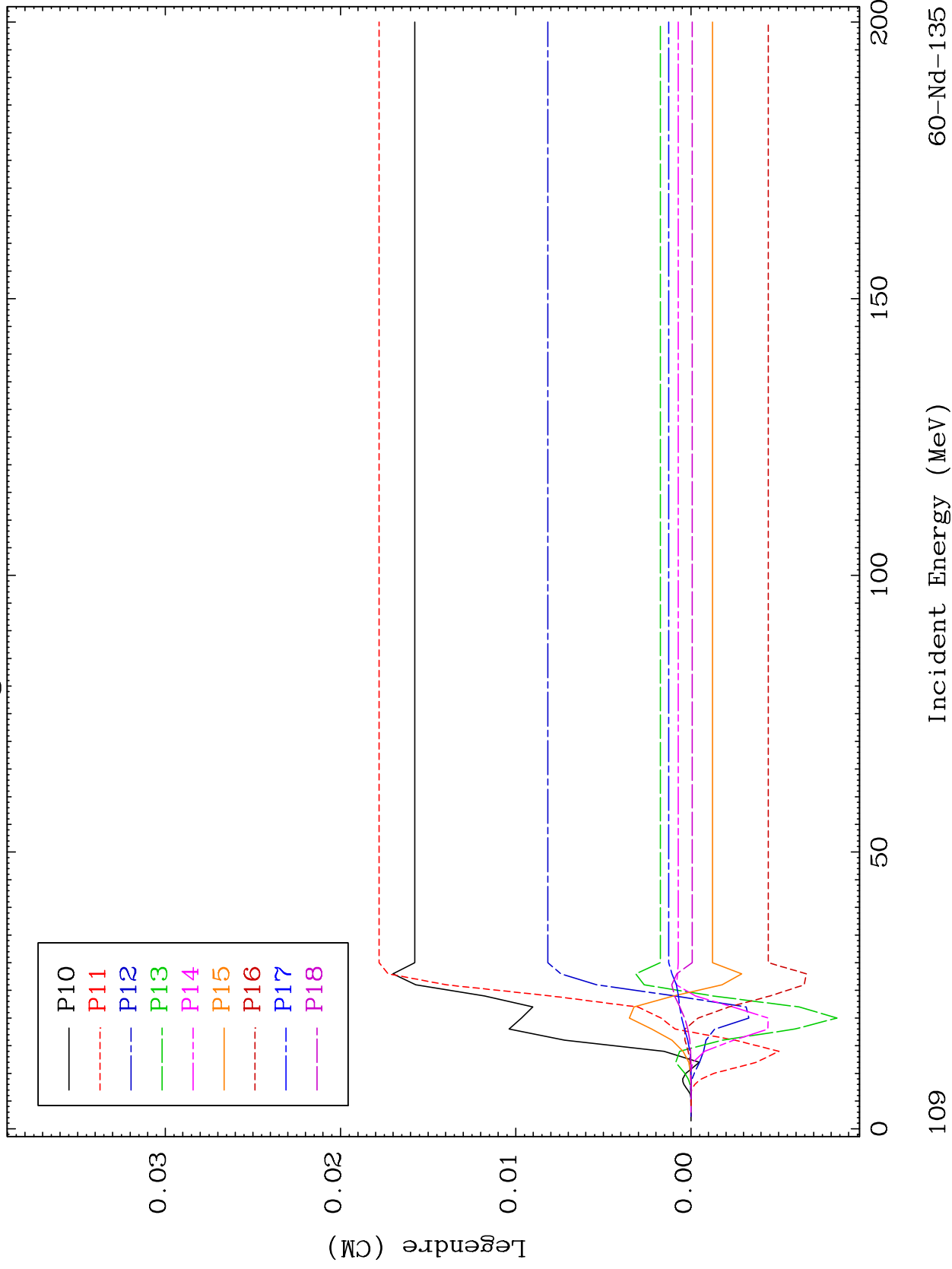
60-Nd-135



MAT 6004

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

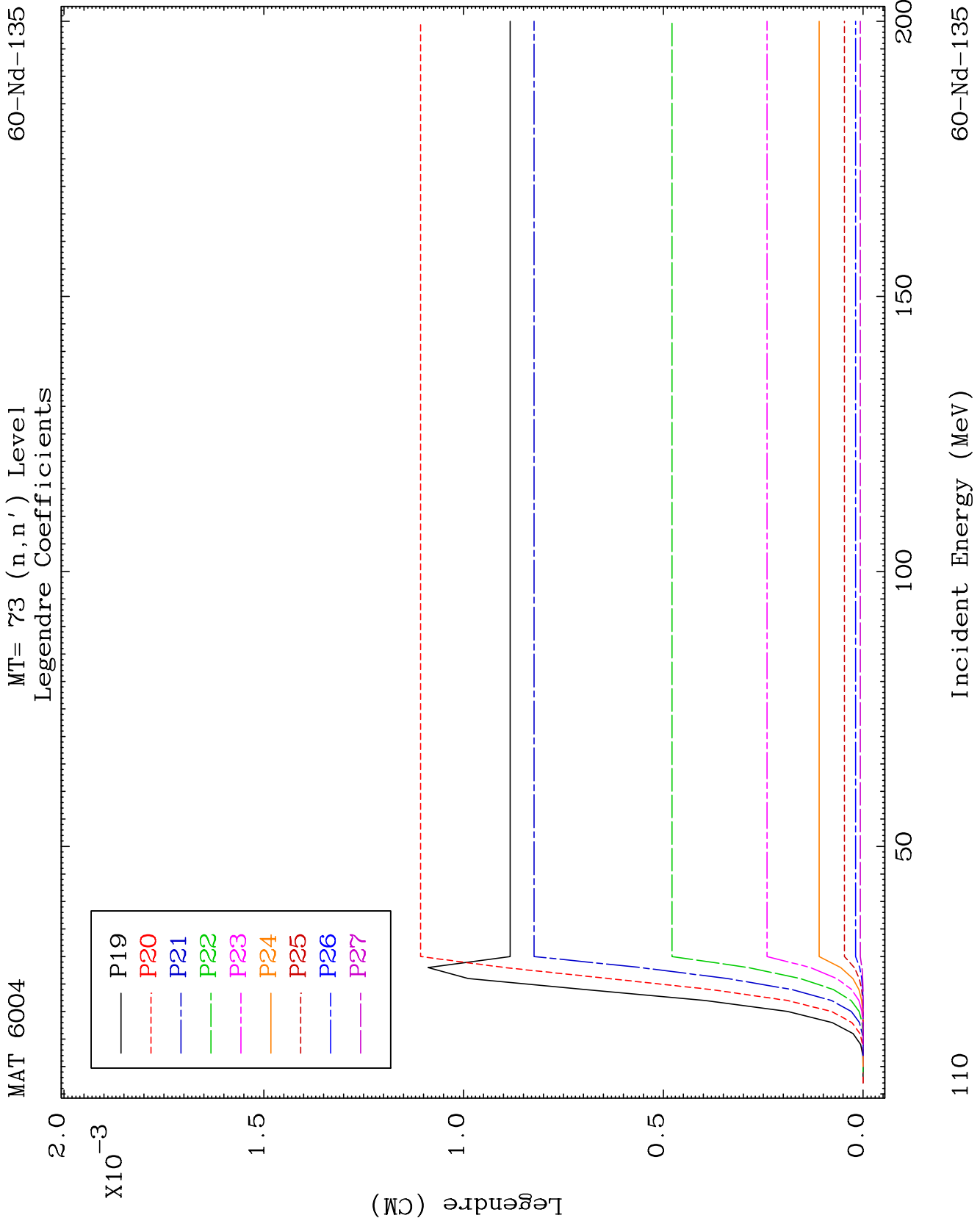
60-Nd-135



109

Incident Energy (MeV)

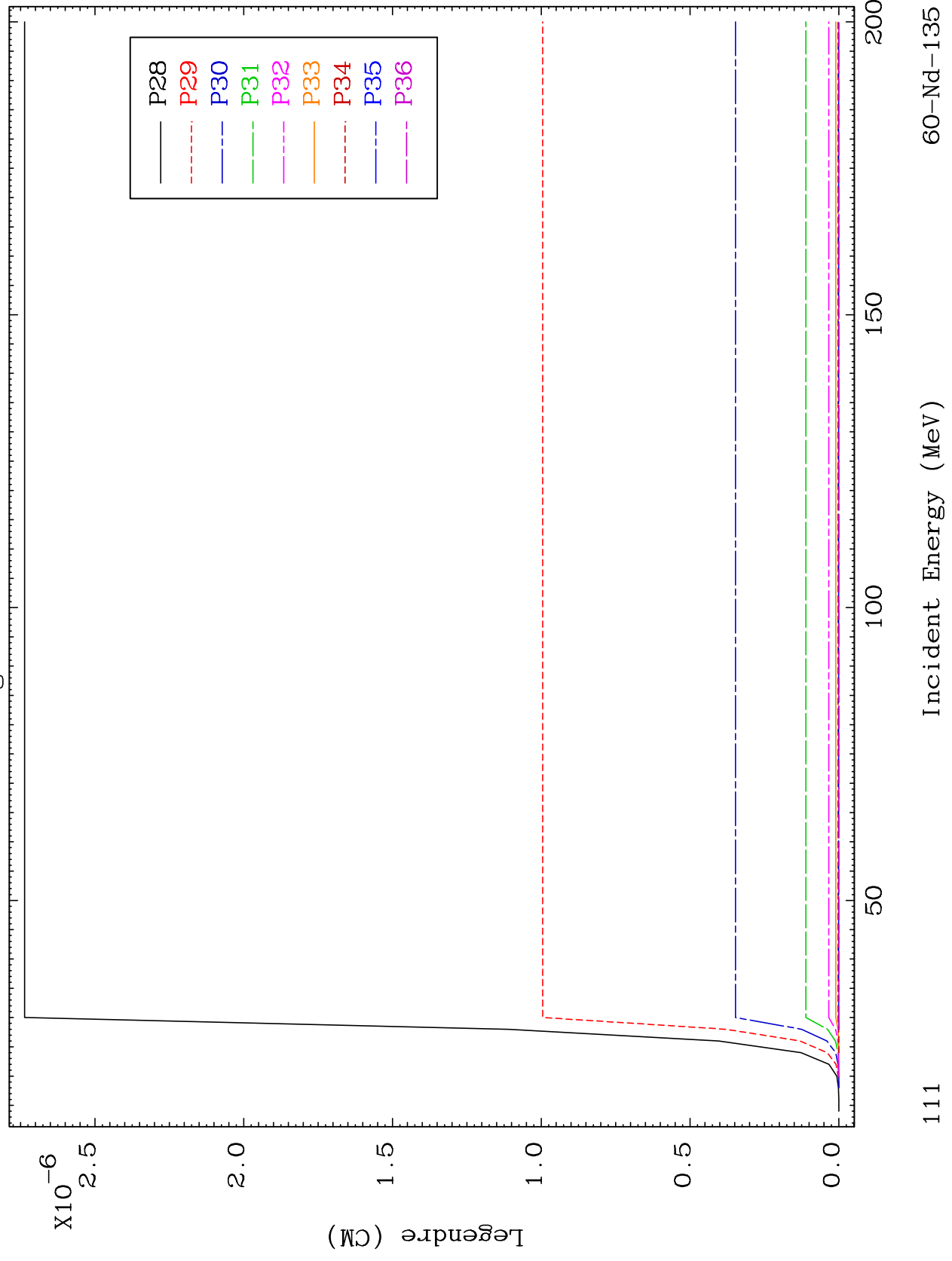
60-Nd-135



MAT 6004

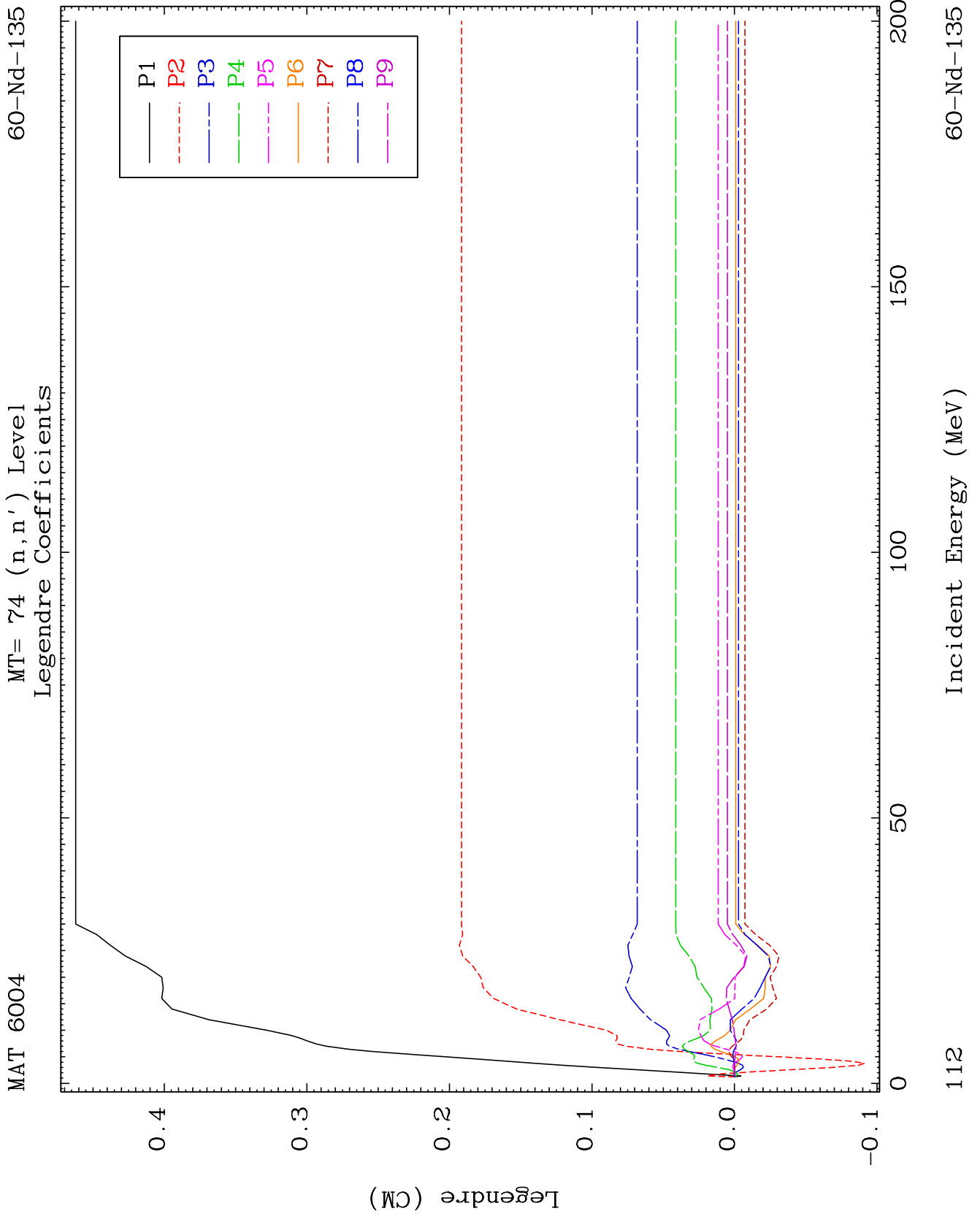
MT= 73 (n,n') Level
Legendre Coefficients

60-Nd-135



111

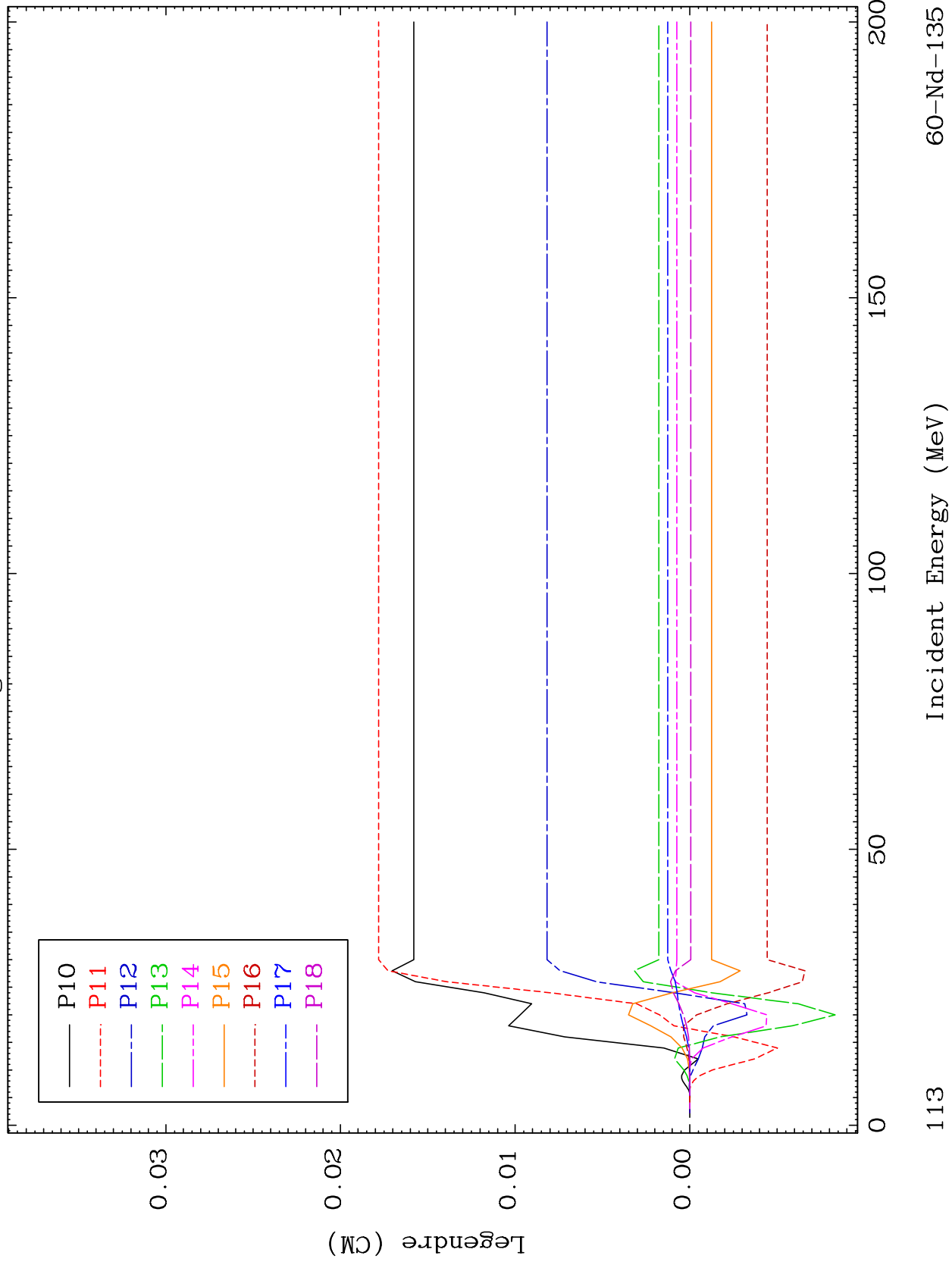
60-Nd-135



MAT 6004

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

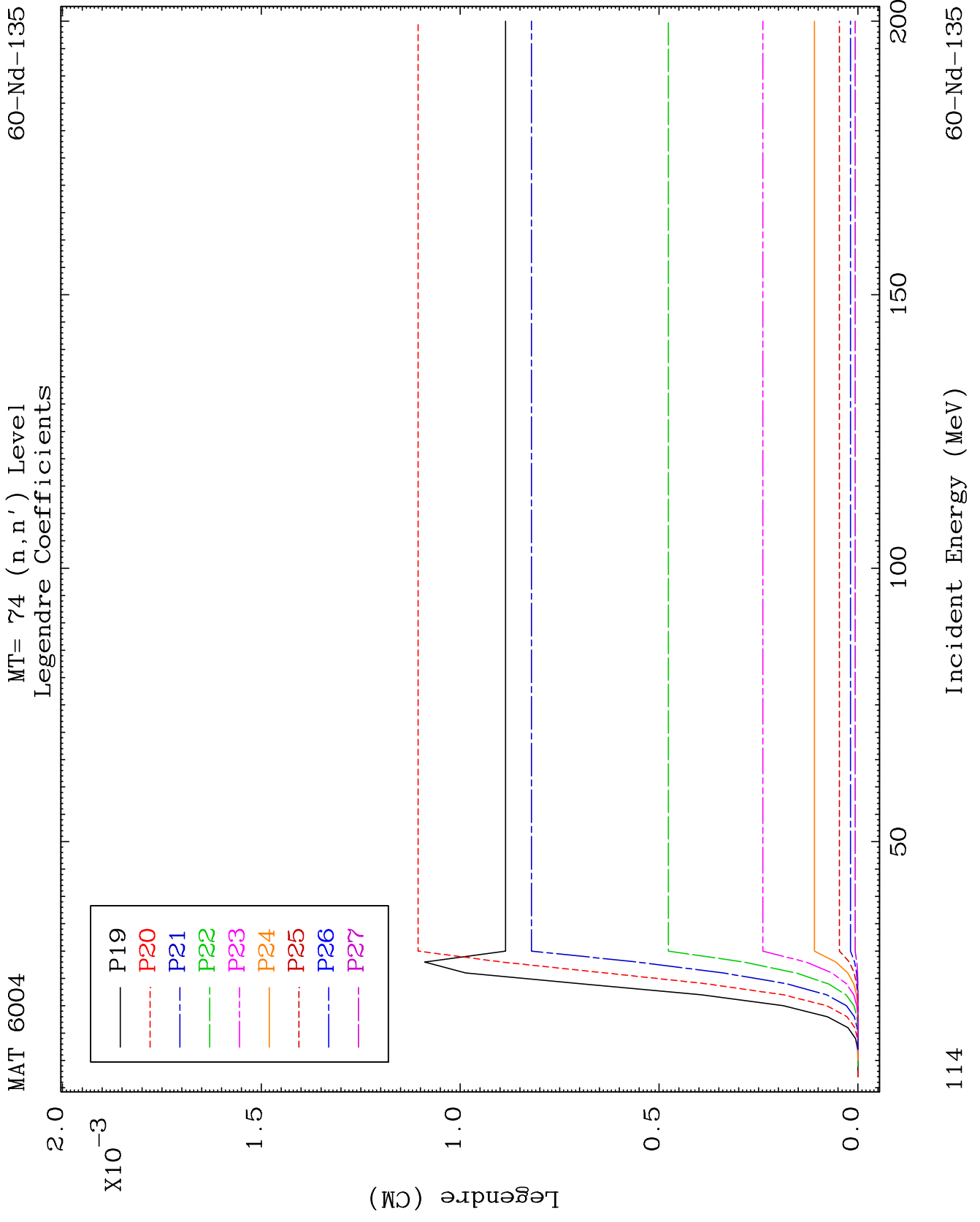
60-Nd-135

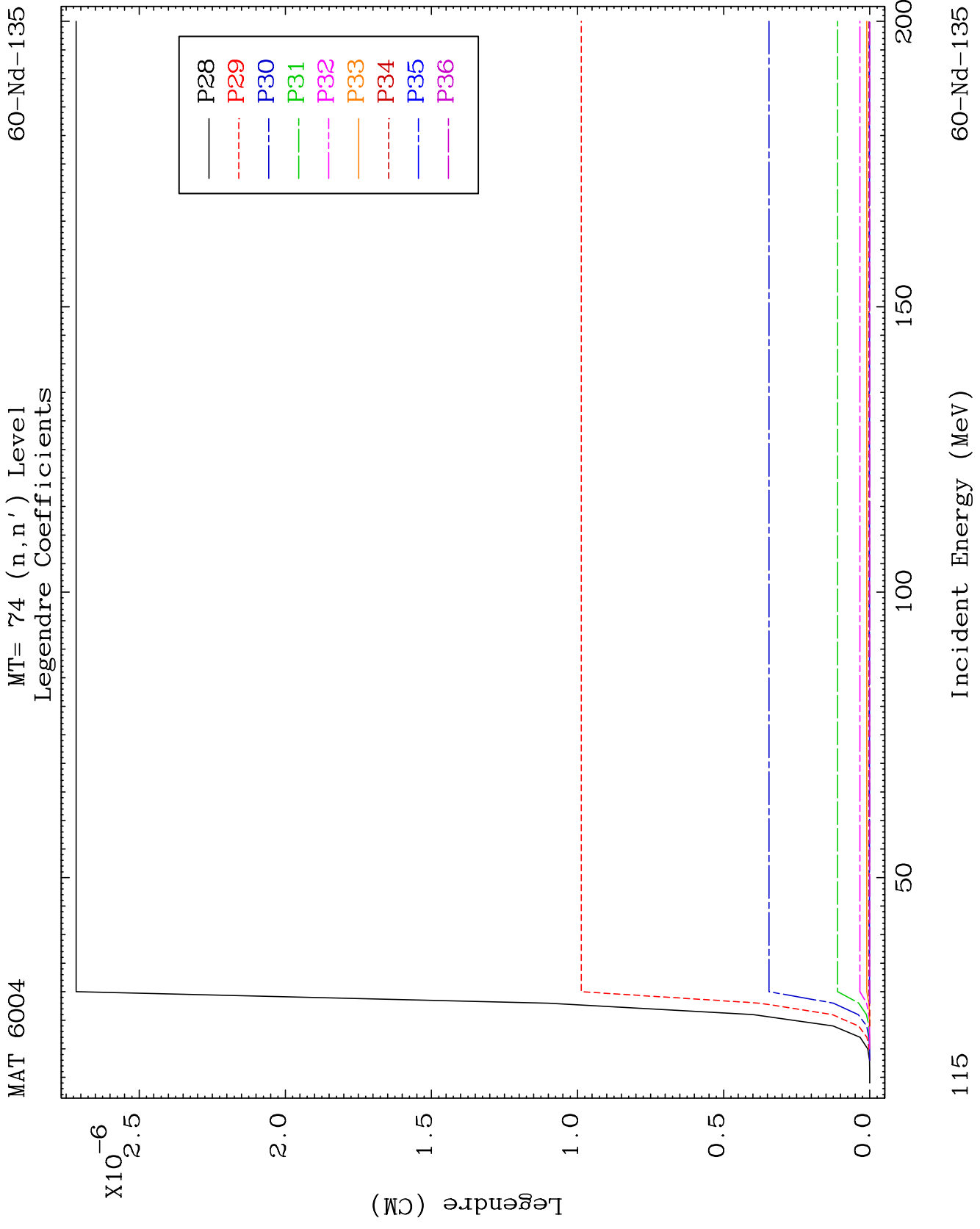


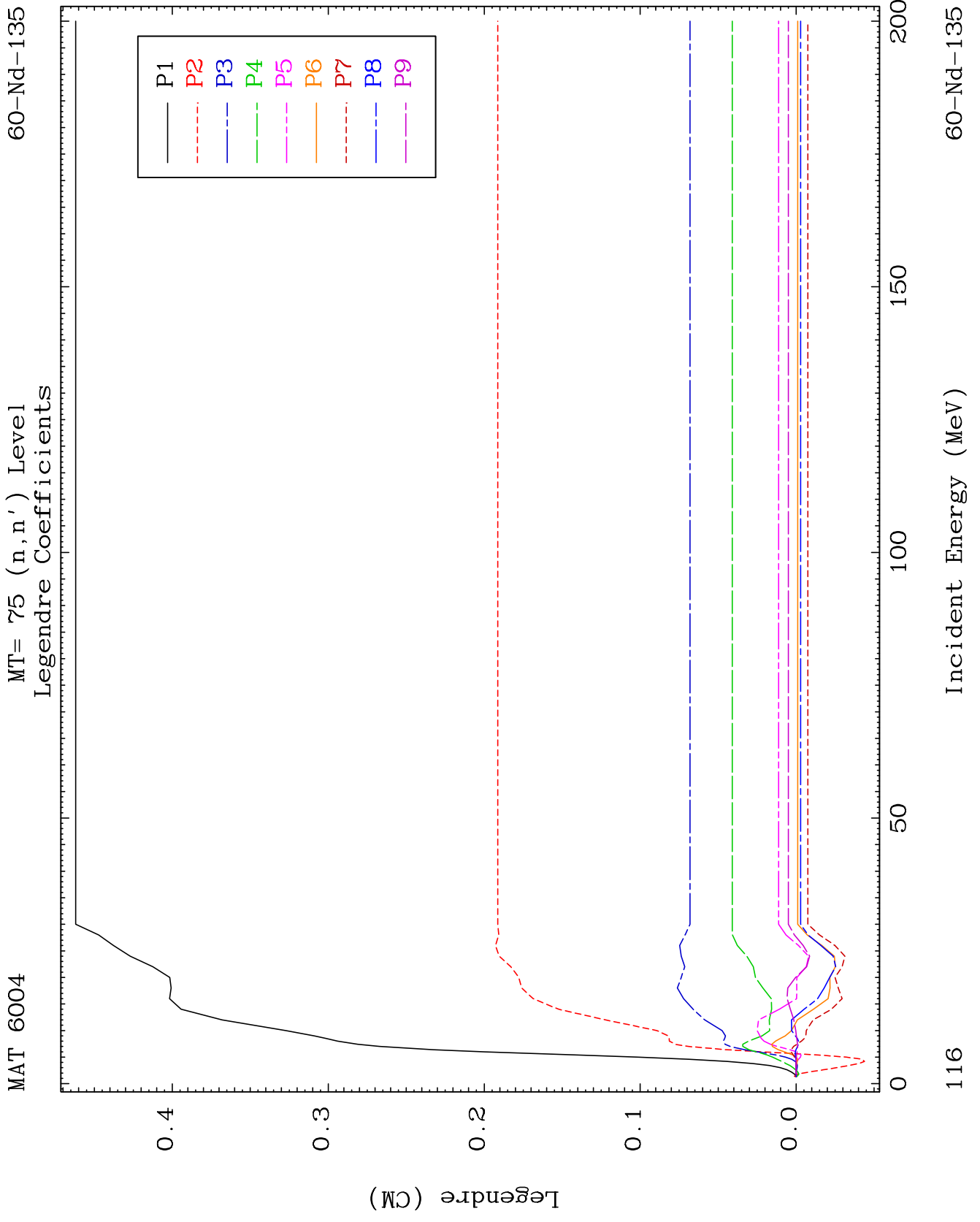
113

Incident Energy (MeV)

60-Nd-135



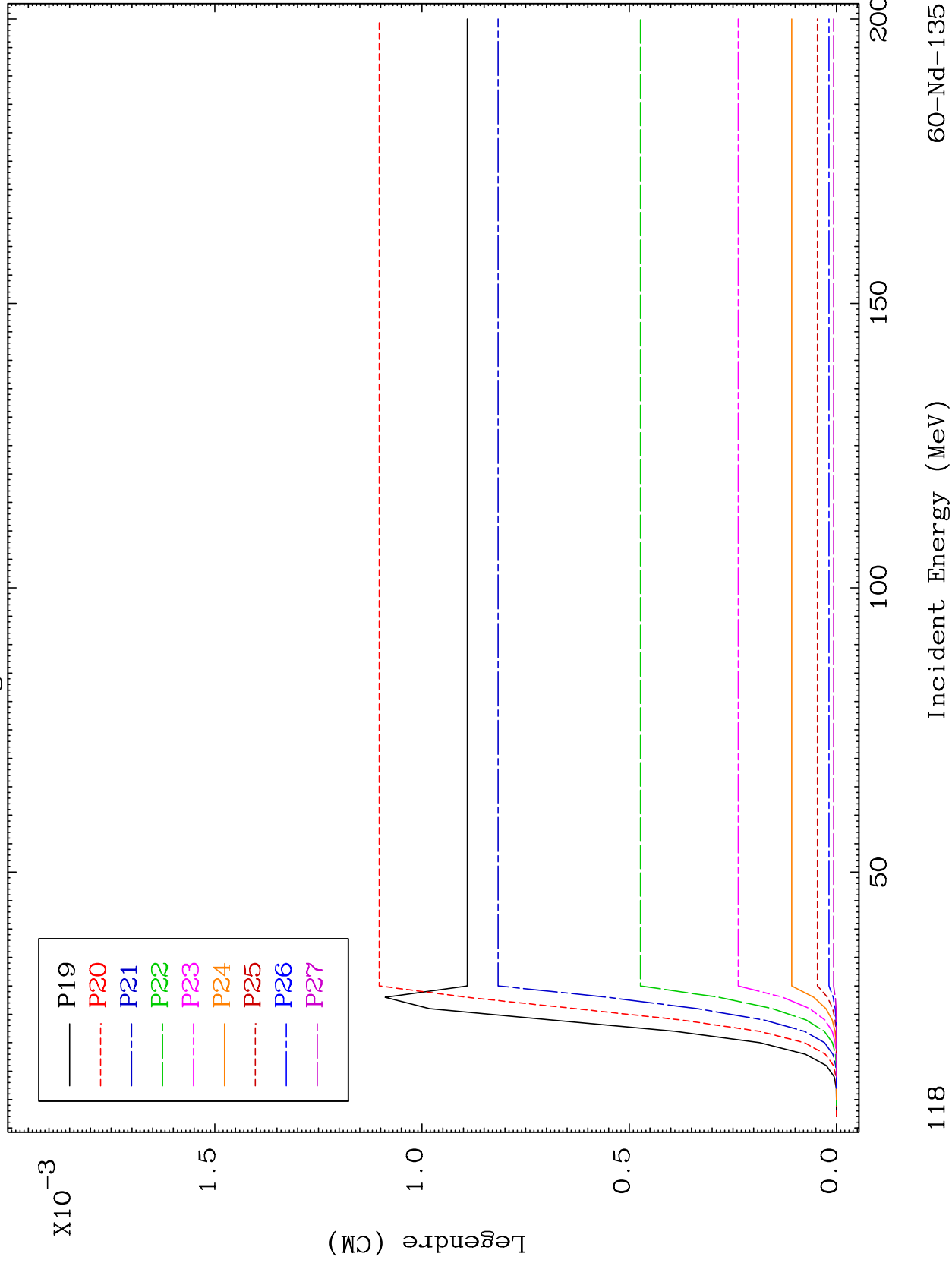




MAT 6004

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

60-Nd-135

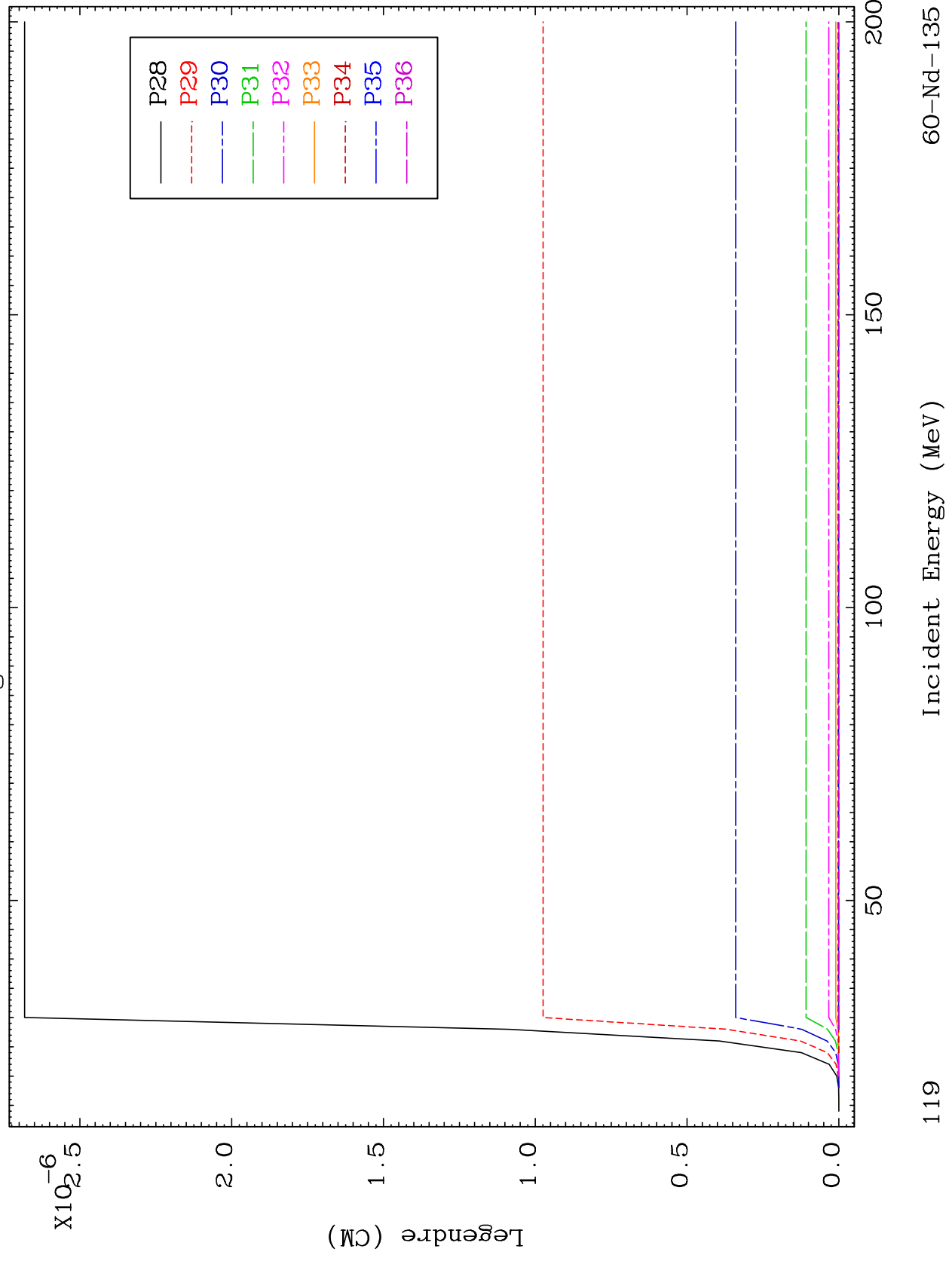


118

MAT 6004

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

60-Nd-135



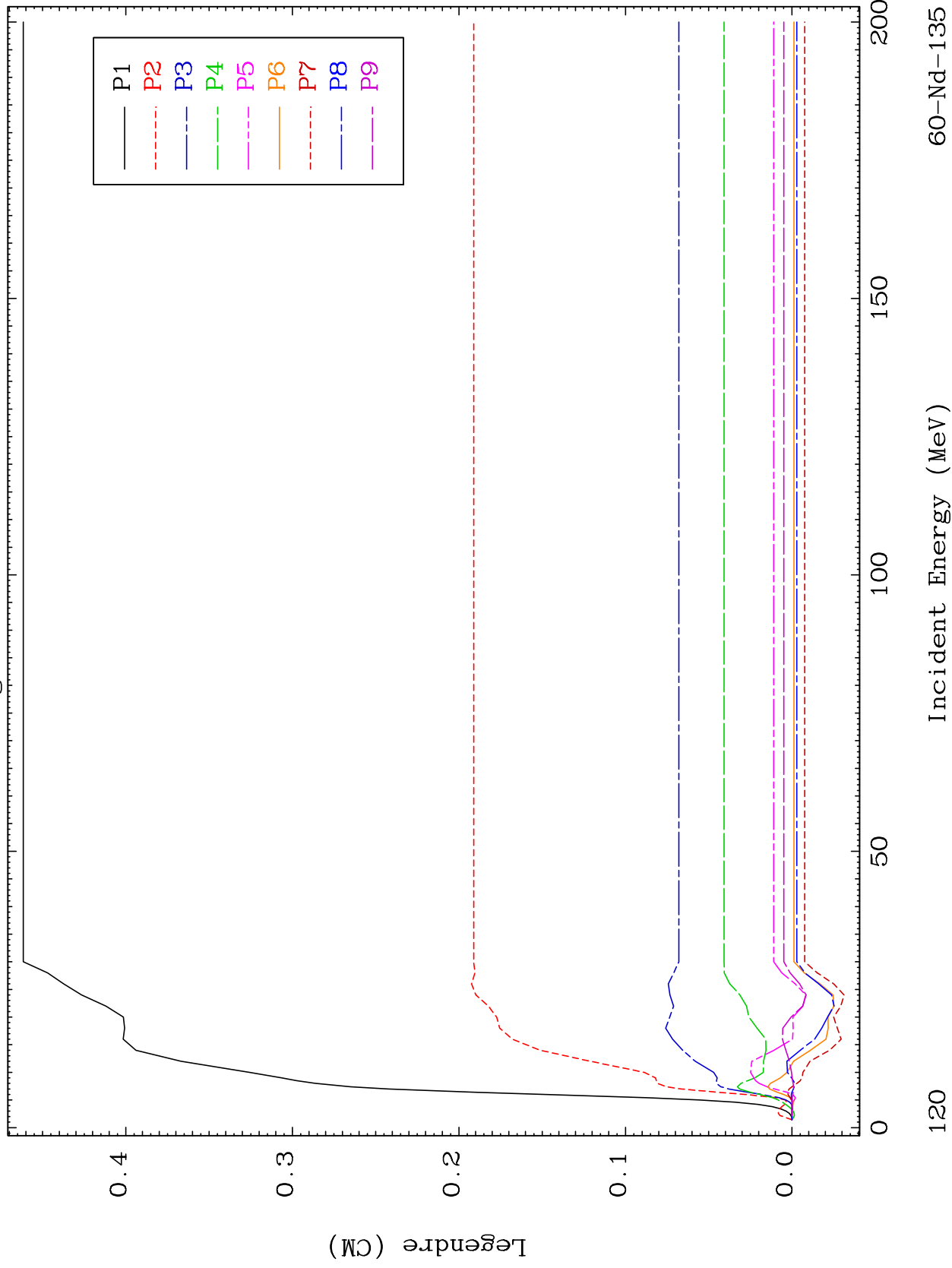
119

60-Nd-135

MAT 6004

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

60-Nd-135



60-Nd-135

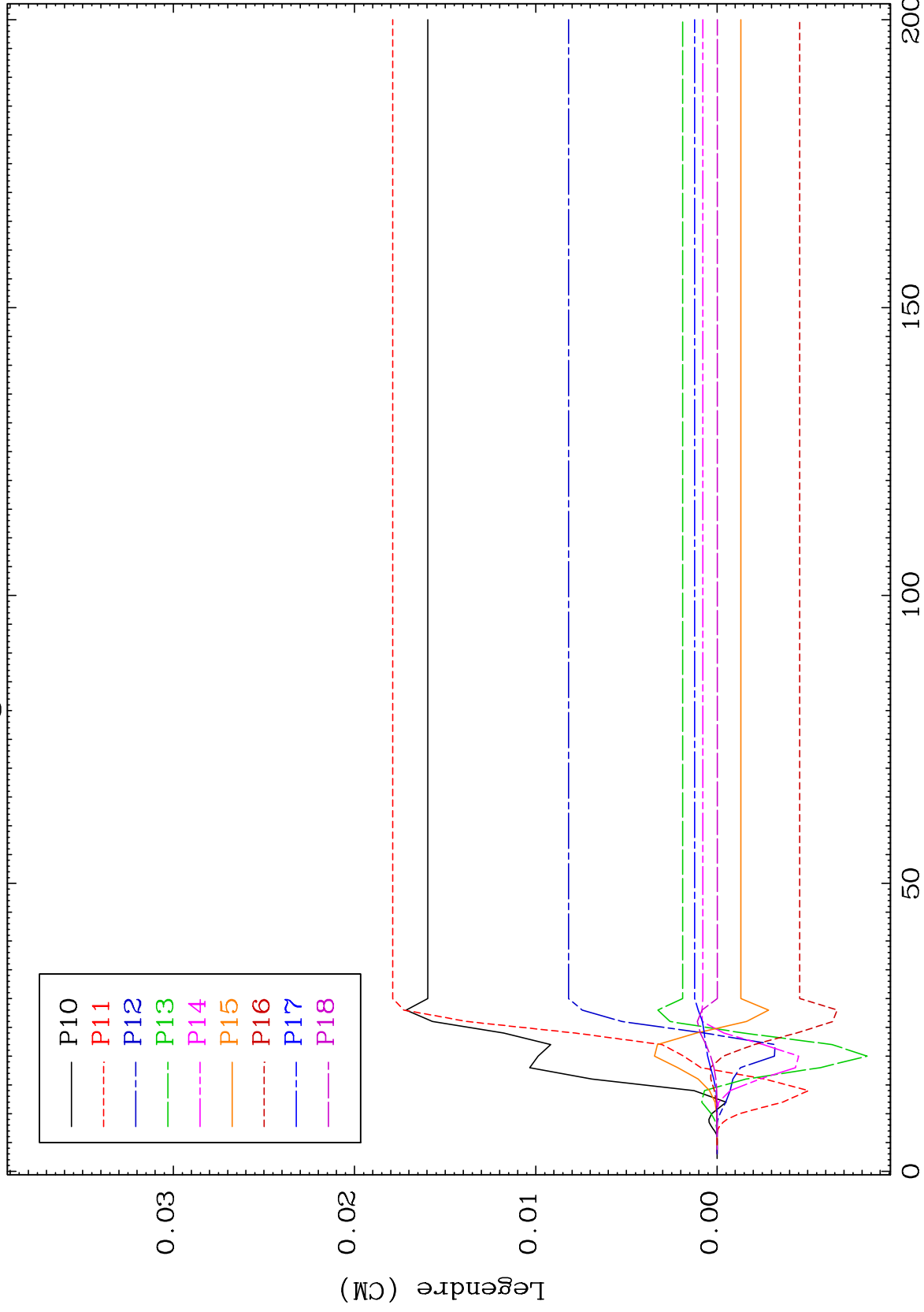
Incident Energy (MeV)

Legendre (CM)

MAT 6004

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

60-Nd-135



121

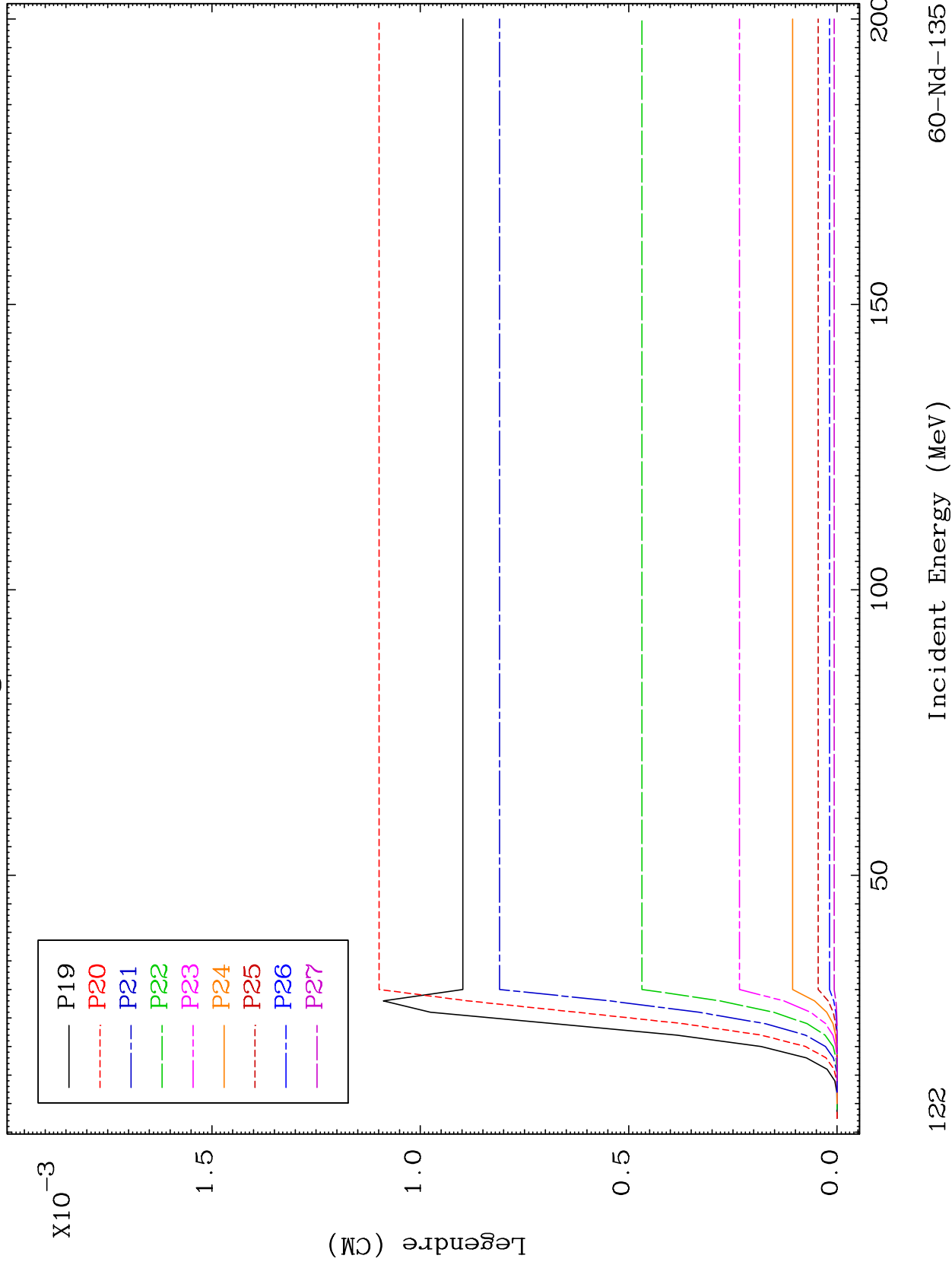
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

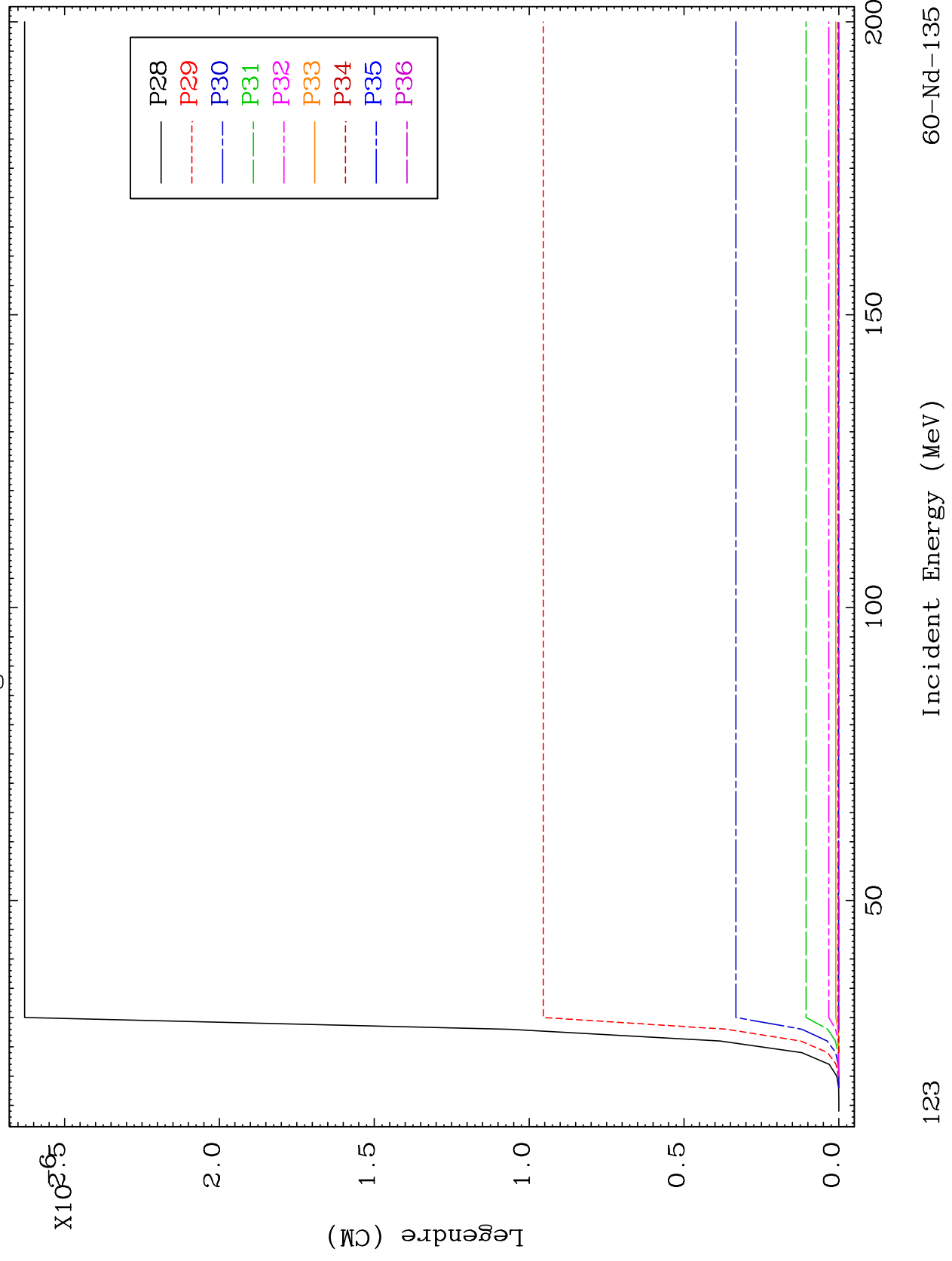
60-Nd-135



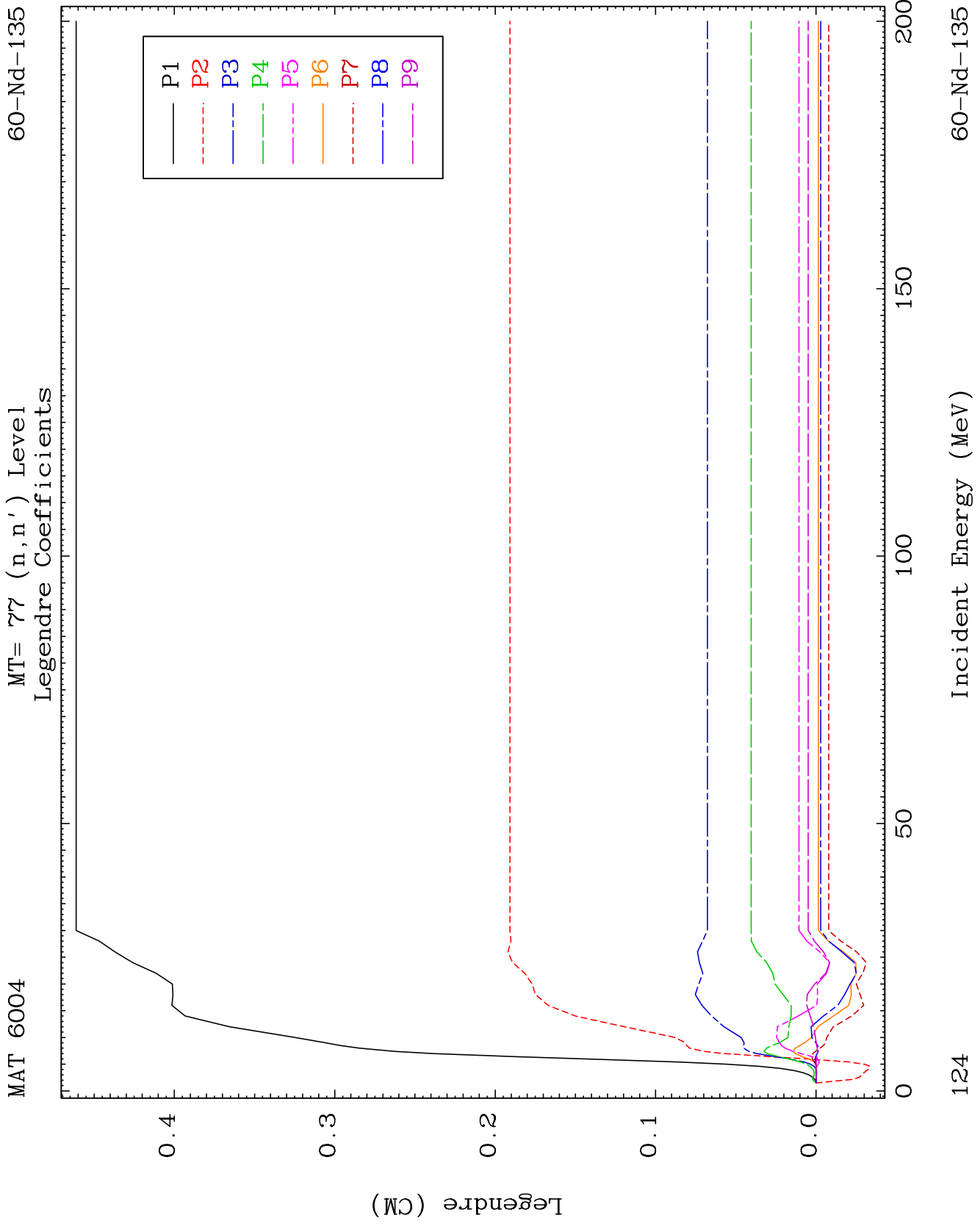
MAT 6004

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

60-Nd-135



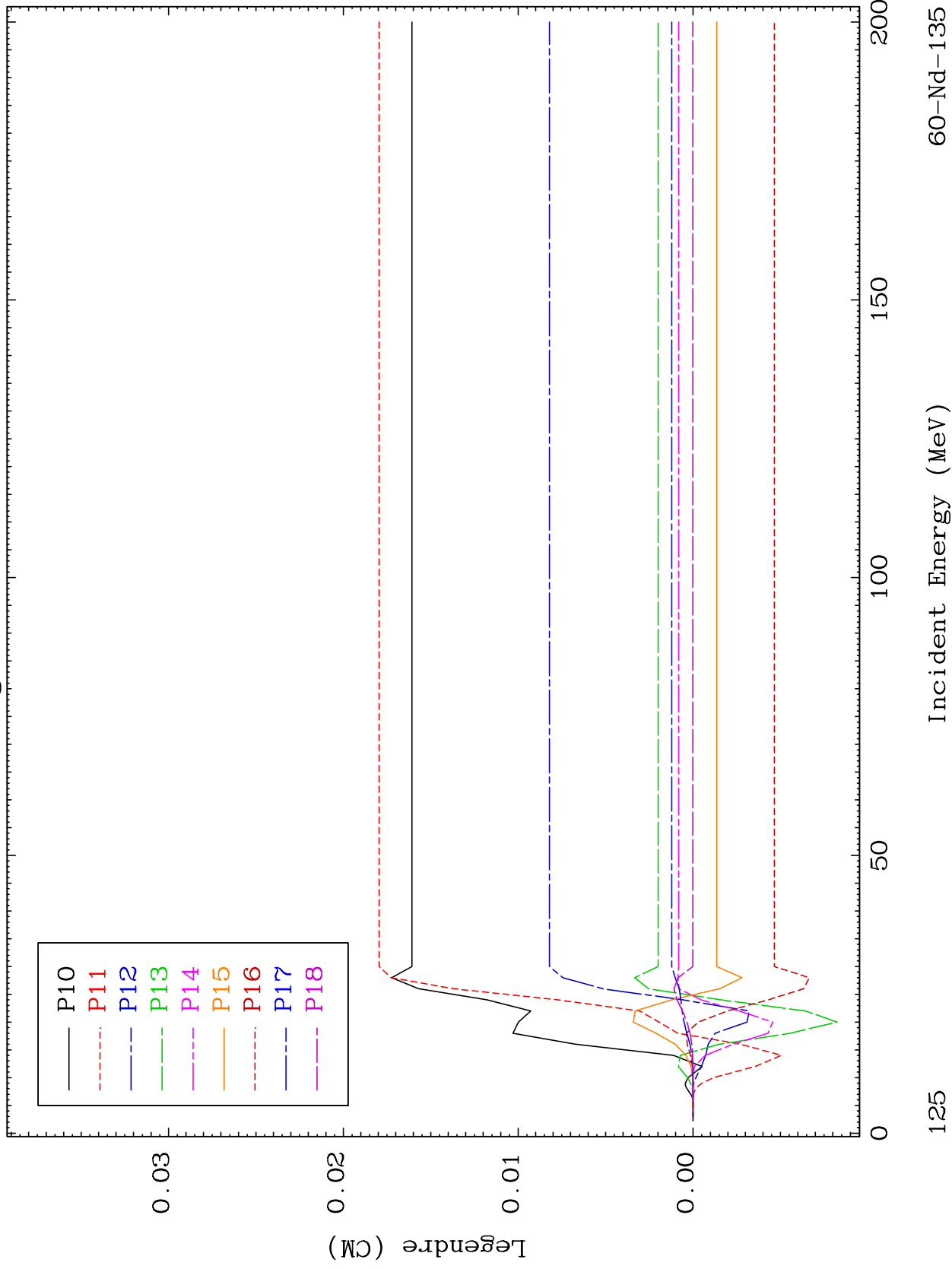
123



MAT 6004

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

60-Nd-135



60-Nd-135

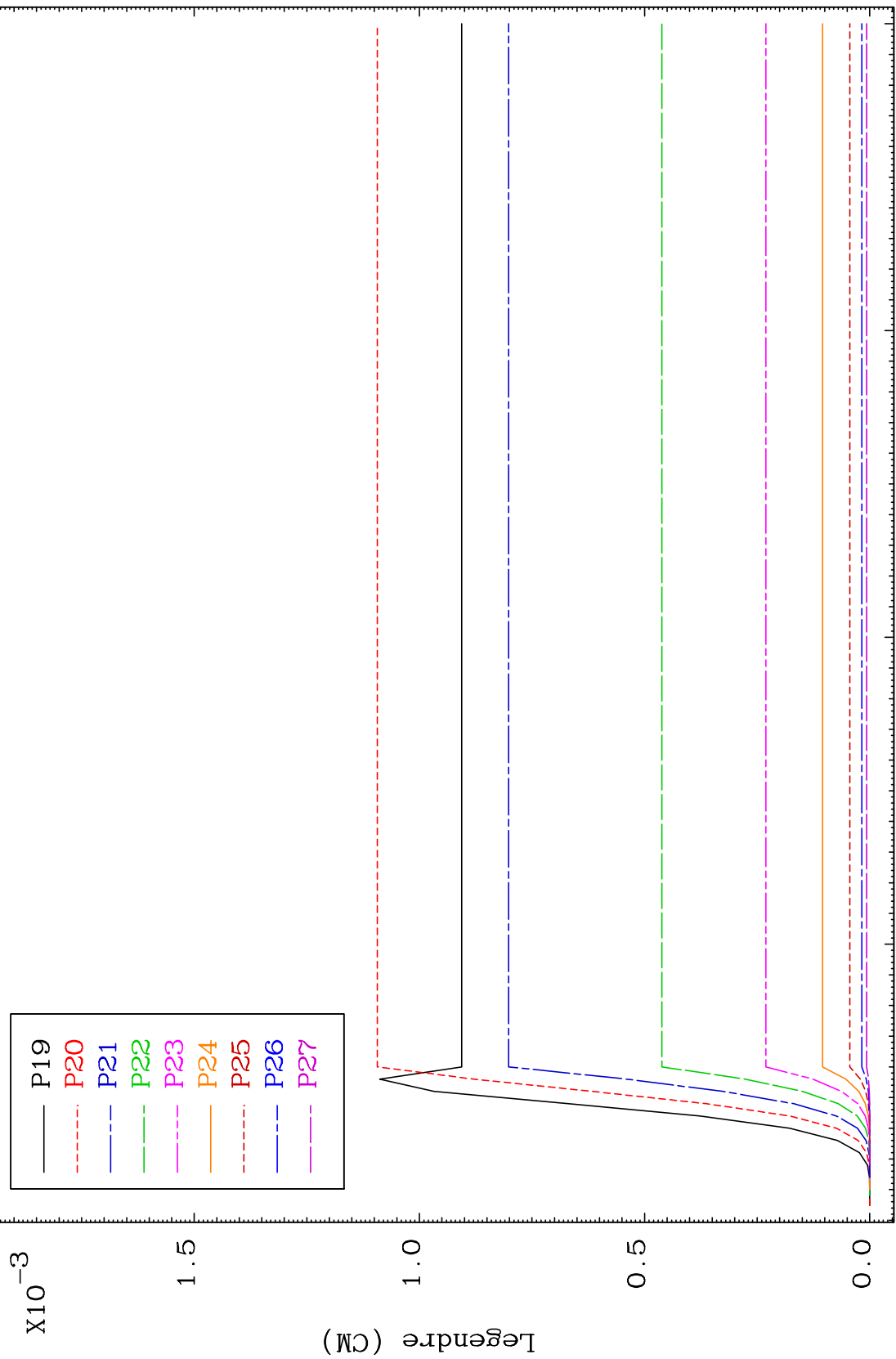
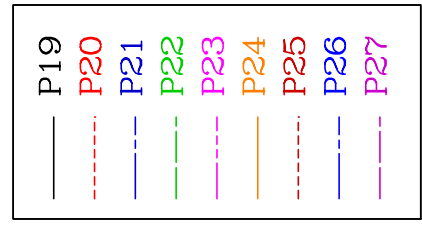
Incident Energy (MeV)

125

MAT 6004

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

60-Nd-135



126

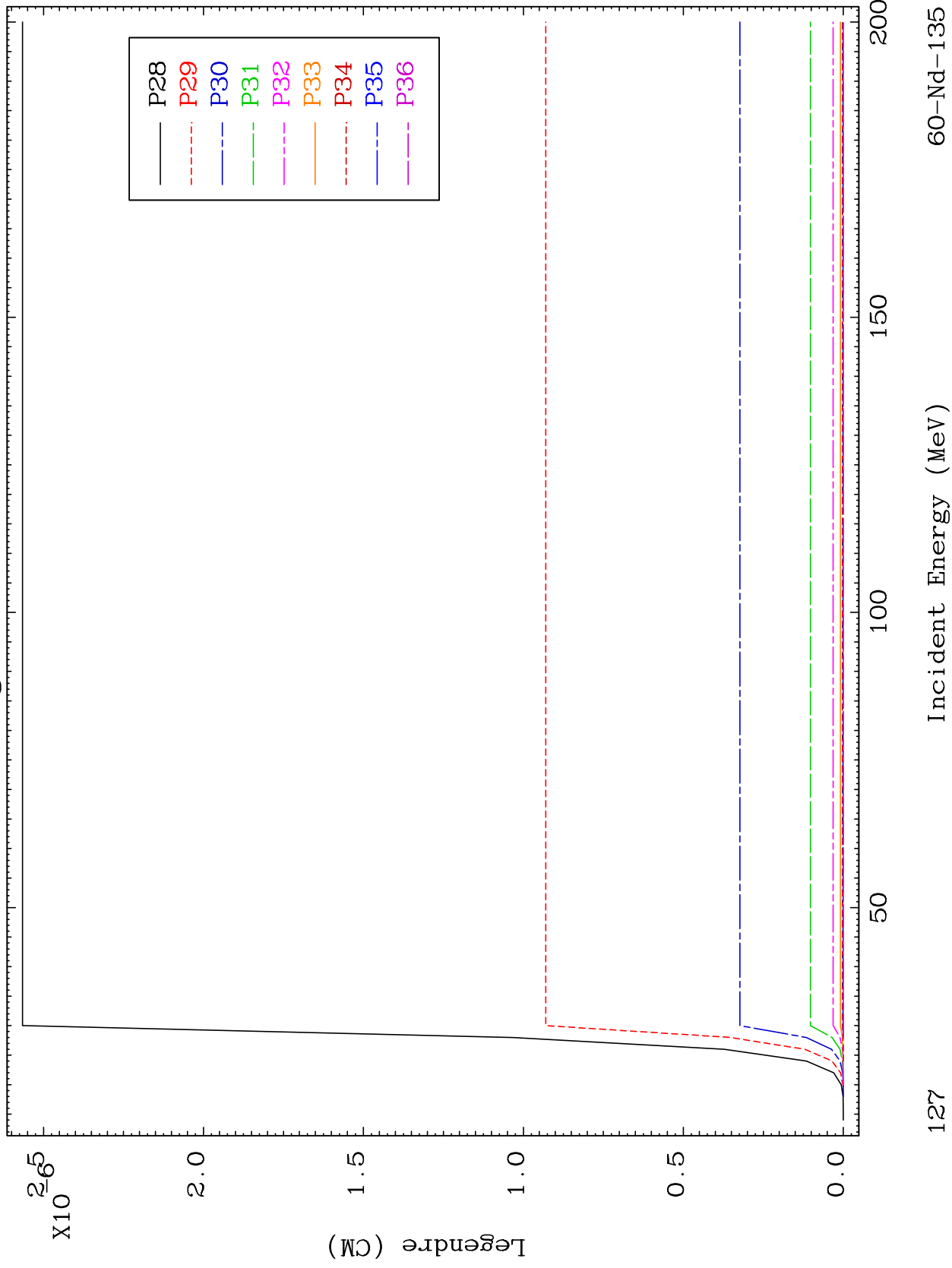
Incident Energy (MeV)

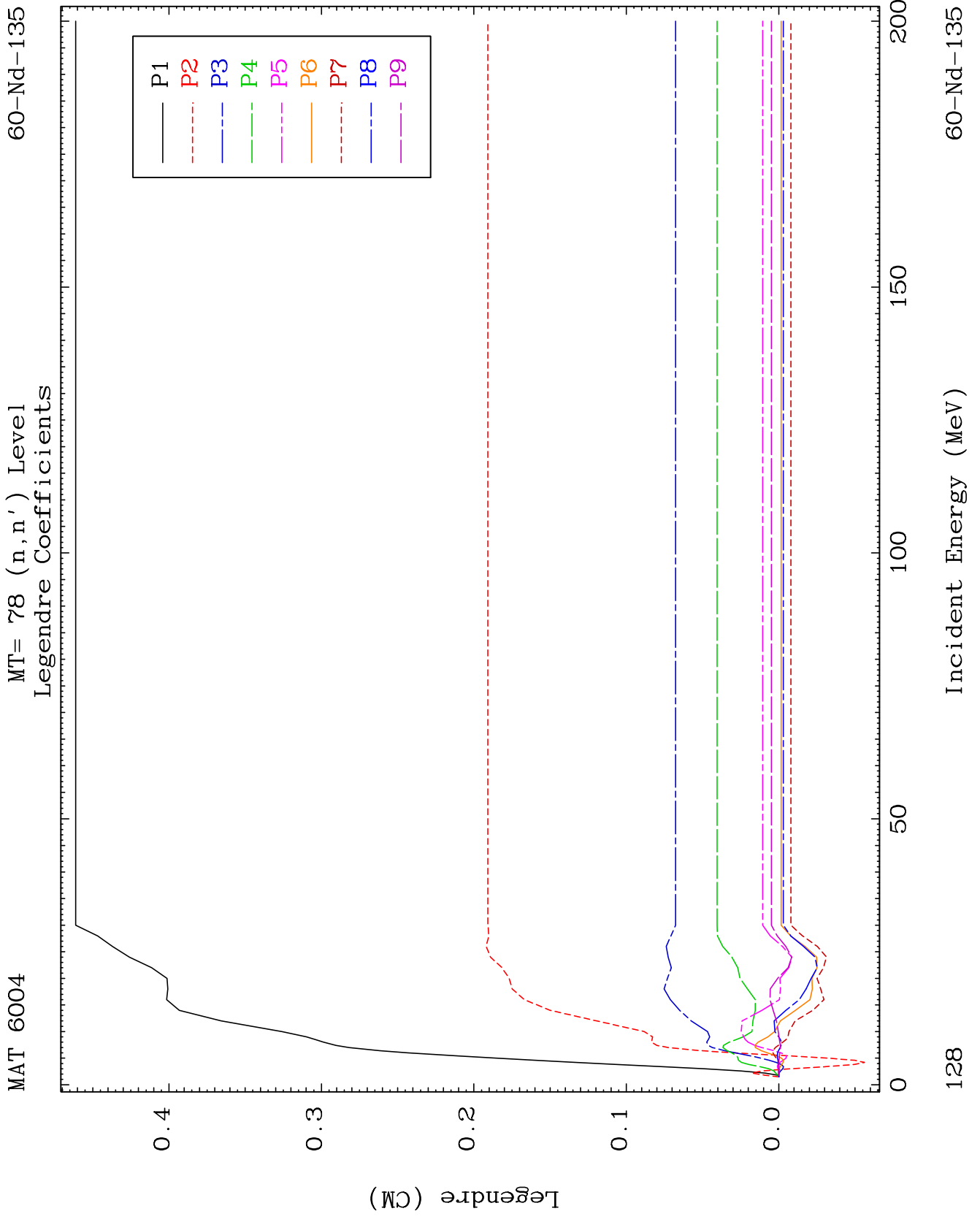
60-Nd-135

MAT 6004

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

60-Nd-135

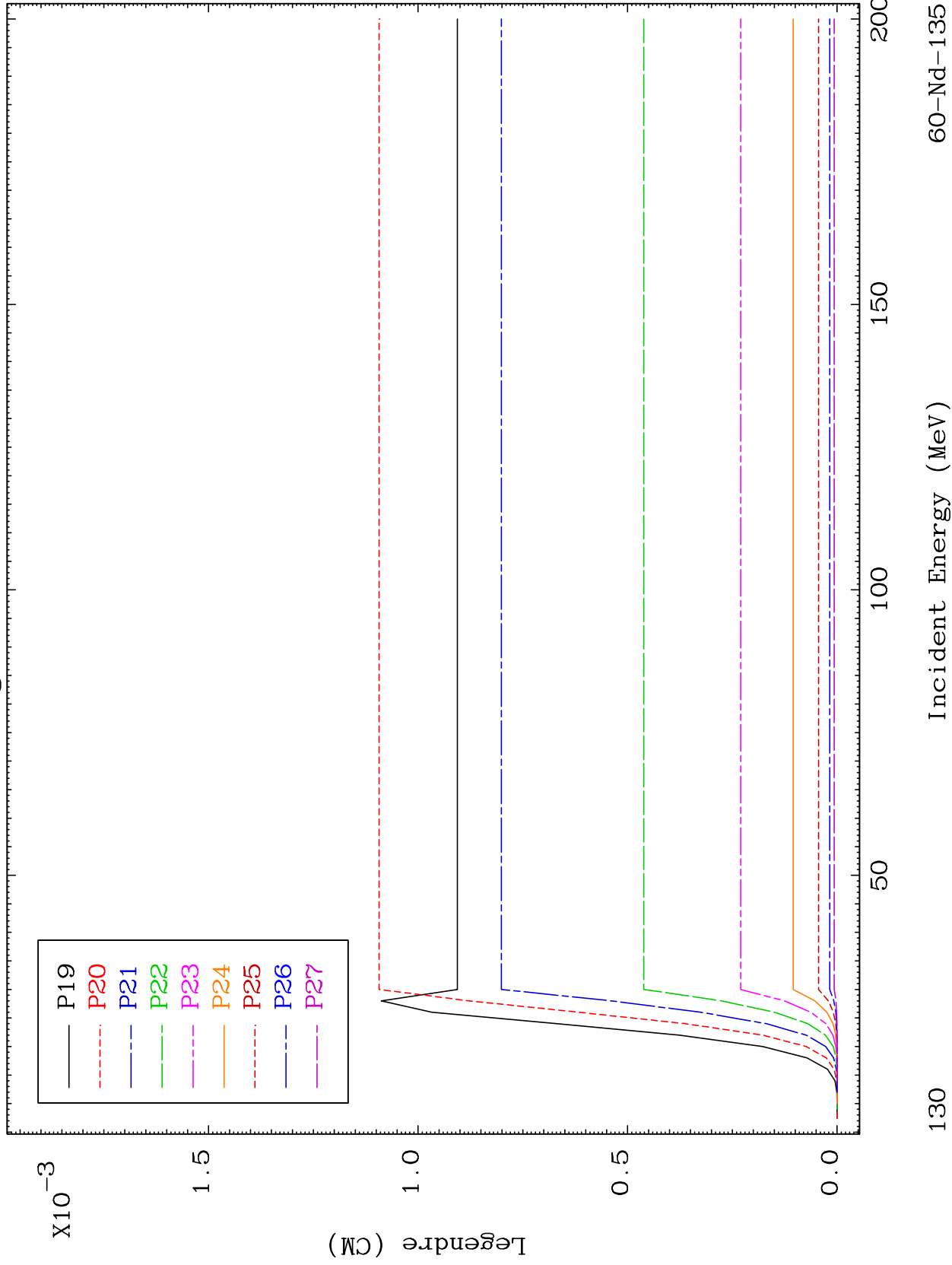




MAT 6004

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

60-Nd-135



130

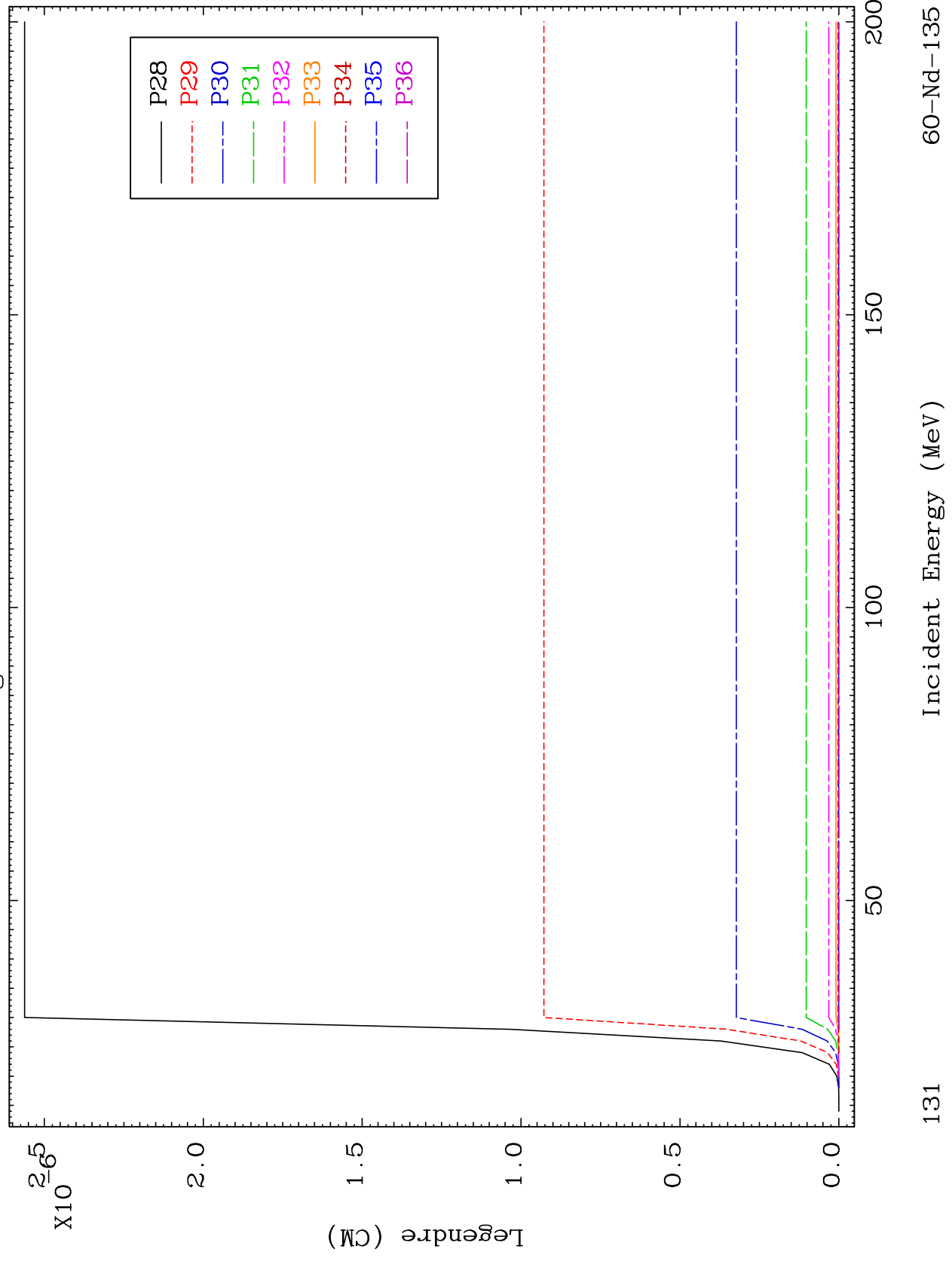
Incident Energy (MeV)

60-Nd-135

MAT 6004

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

60-Nd-135



60-Nd-135

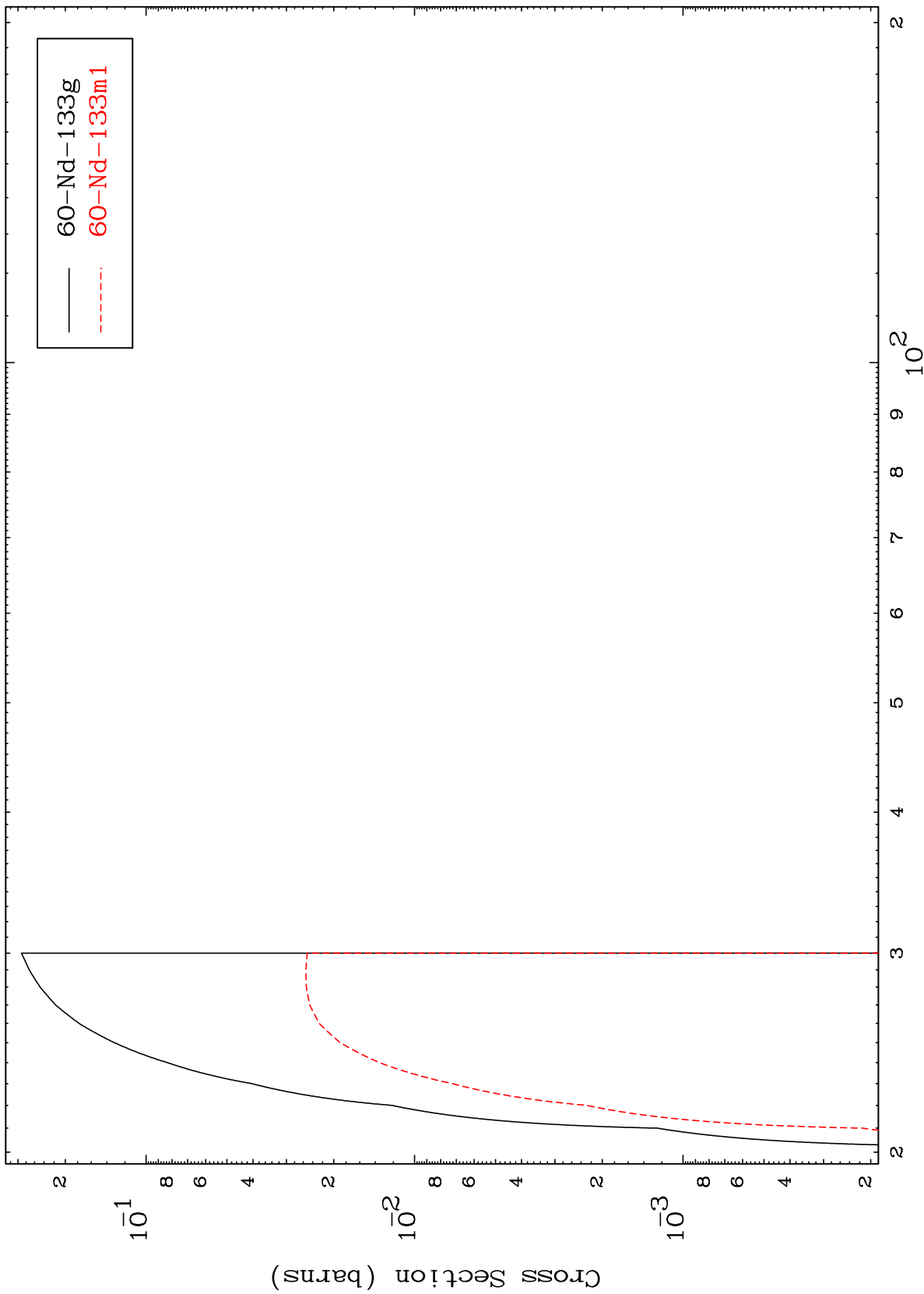
Incident Energy (MeV)

131

MAT 6004

60-Nd-135

(n,3n)
Radionuclide Production Cross Section



132

60-Nd-135

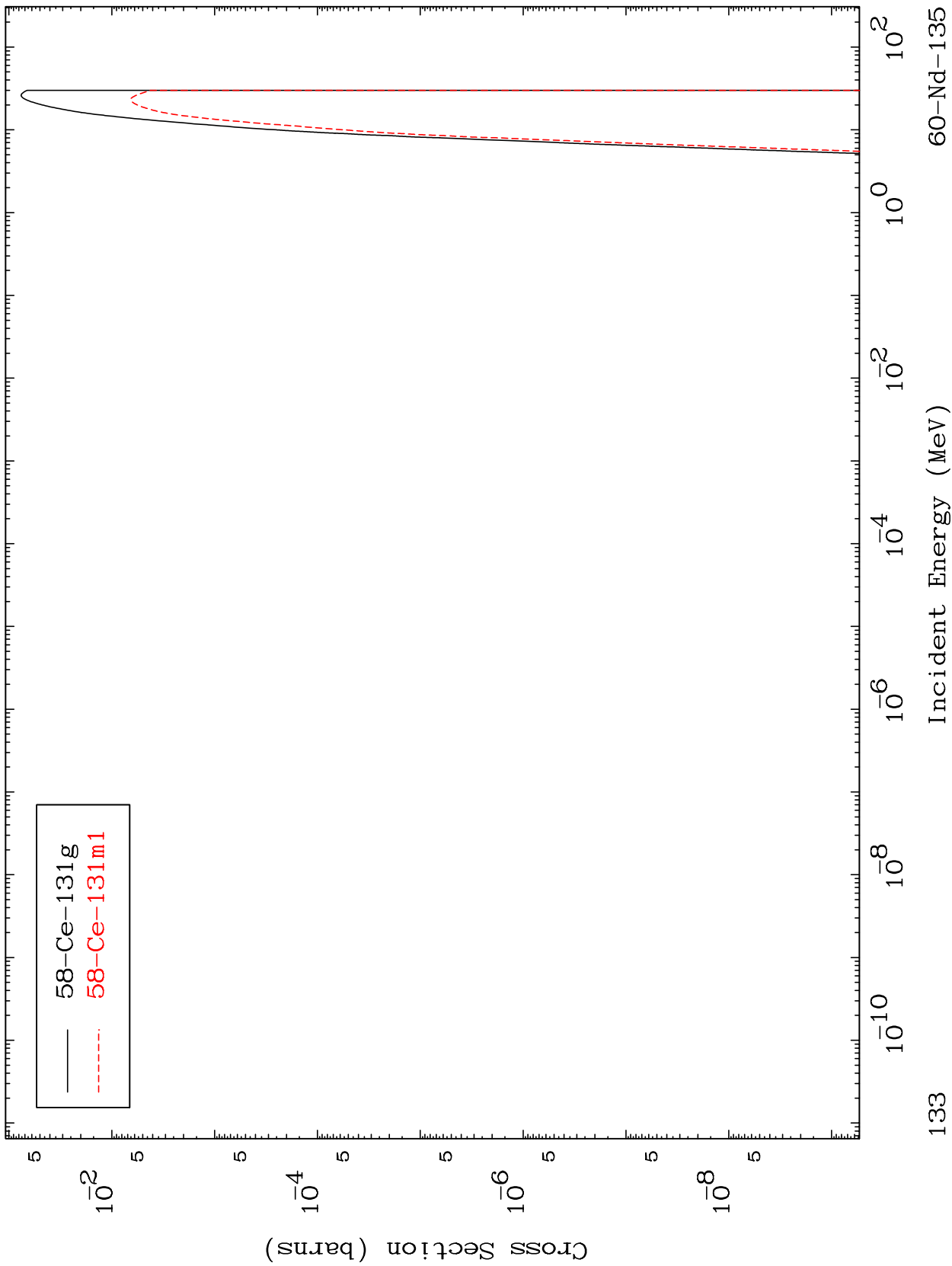
Incident Energy (MeV)

MAT 6004

(n, n') α

60-Nd-135

Radionuclide Production Cross Section



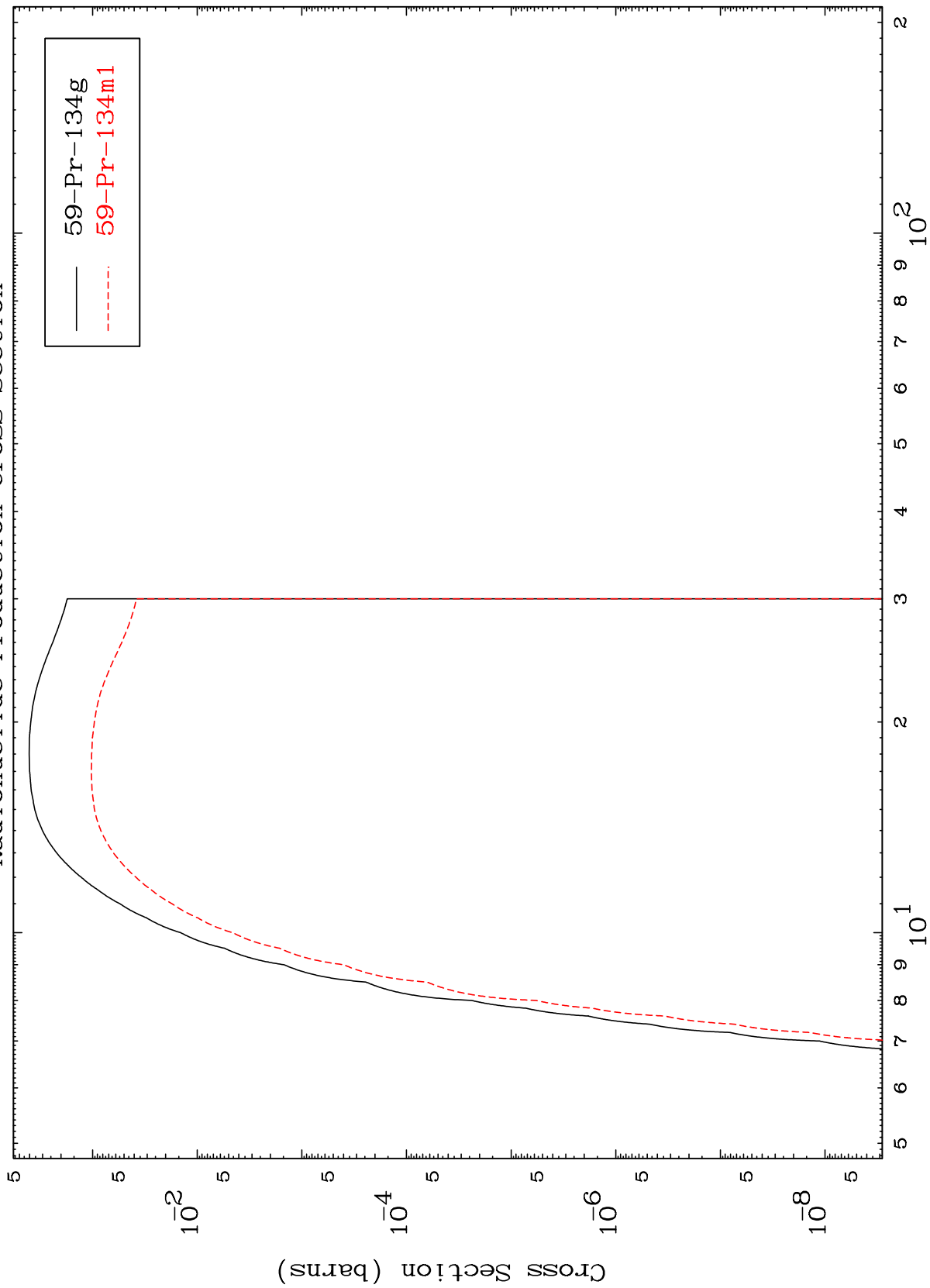
58-Ce-131g
58-Ce-131m1

MAT 6004

(n,n') p

60-Nd-135

Radionuclide Production Cross Section



134

Incident Energy (MeV)

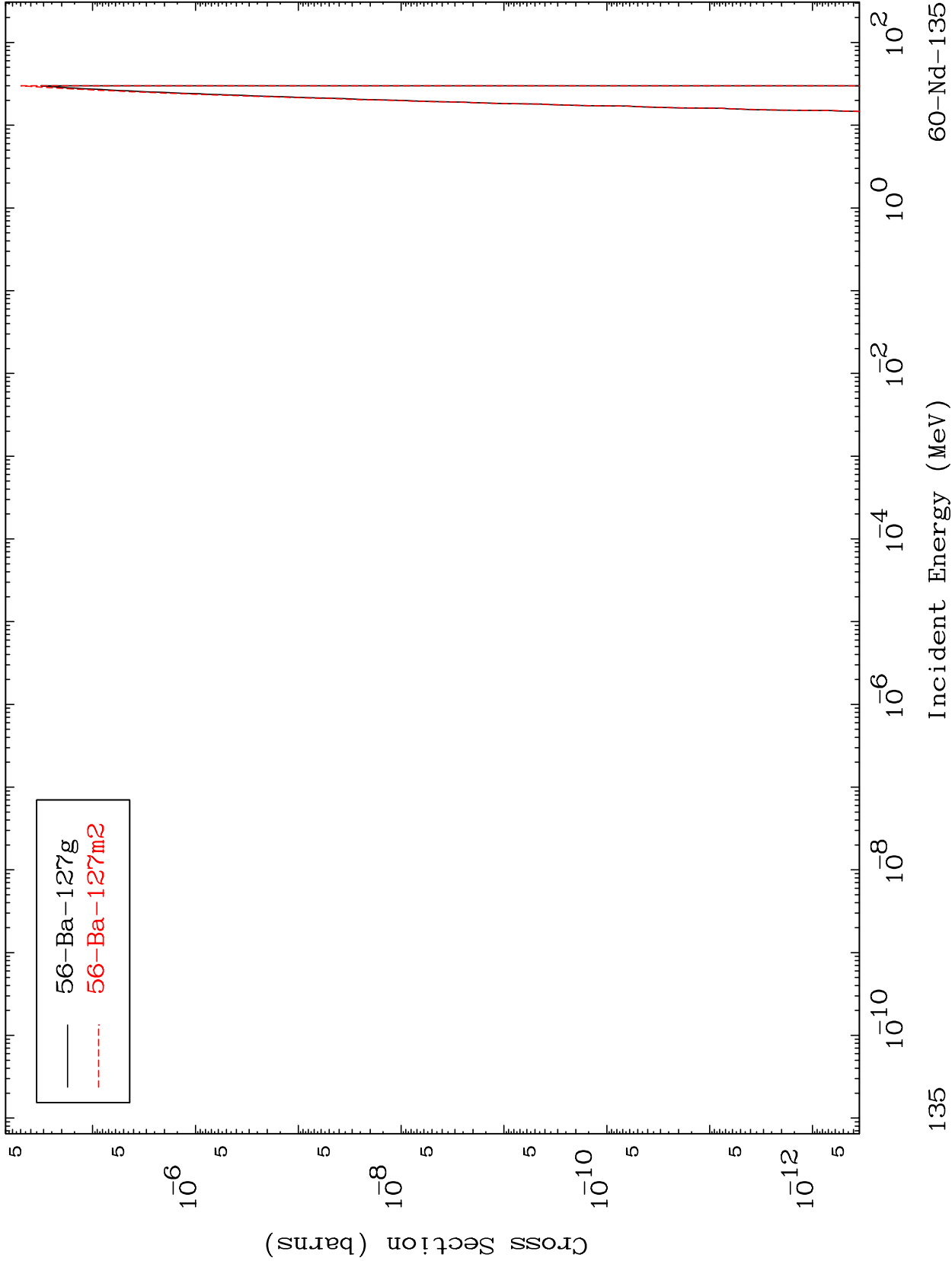
60-Nd-135

MAT 6004

(n,n') 2α

60-Nd-135

Radionuclide Production Cross Section



135

Incident Energy (MeV)

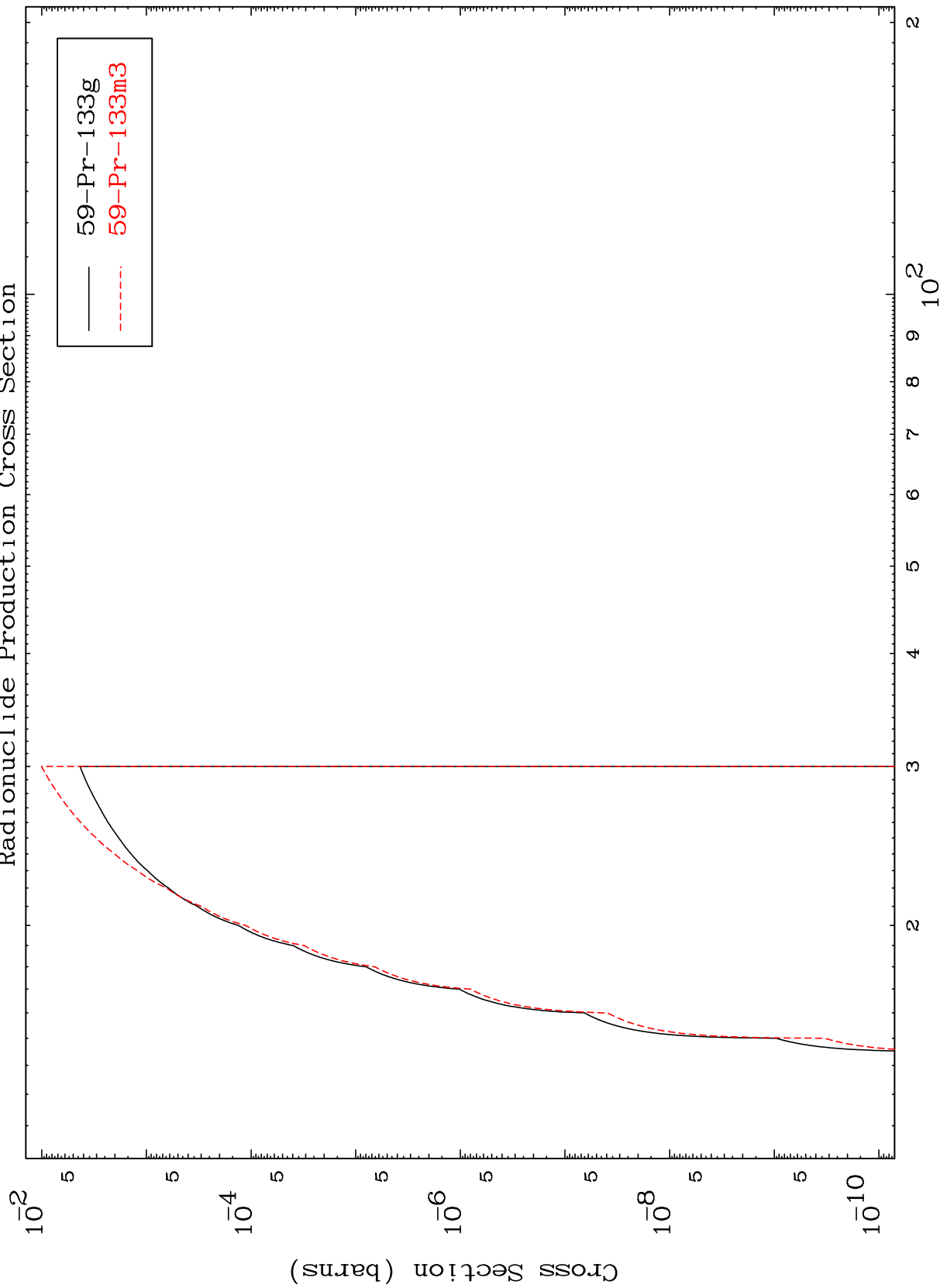
60-Nd-135

MAT 6004

(n,n') d

60-Nd-135

Radionuclide Production Cross Section



136

Incident Energy (MeV)

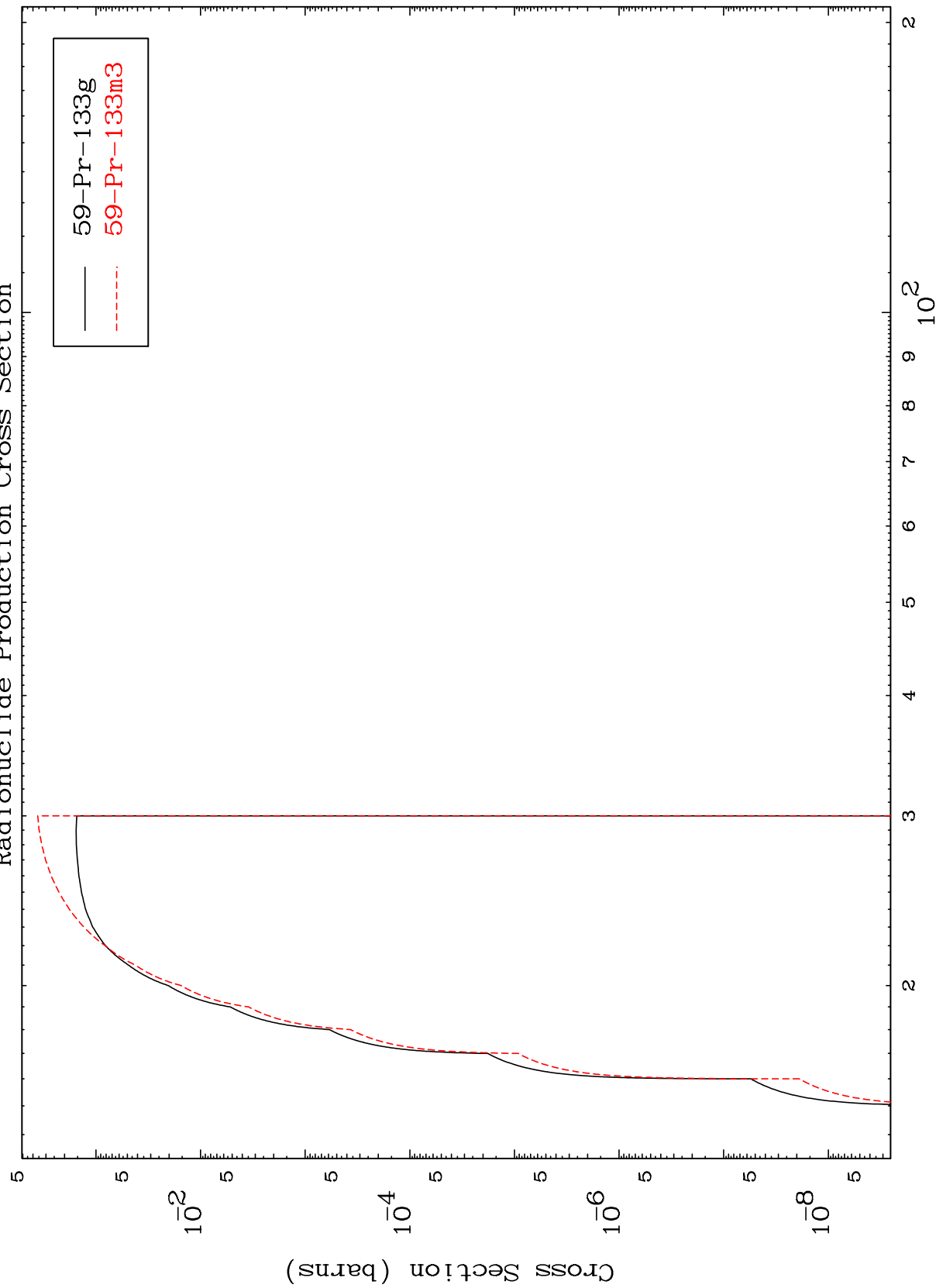
60-Nd-135

MAT 6004

(n,2n) p

60-Nd-135

Radionuclide Production Cross Section



137

Incident Energy (MeV)

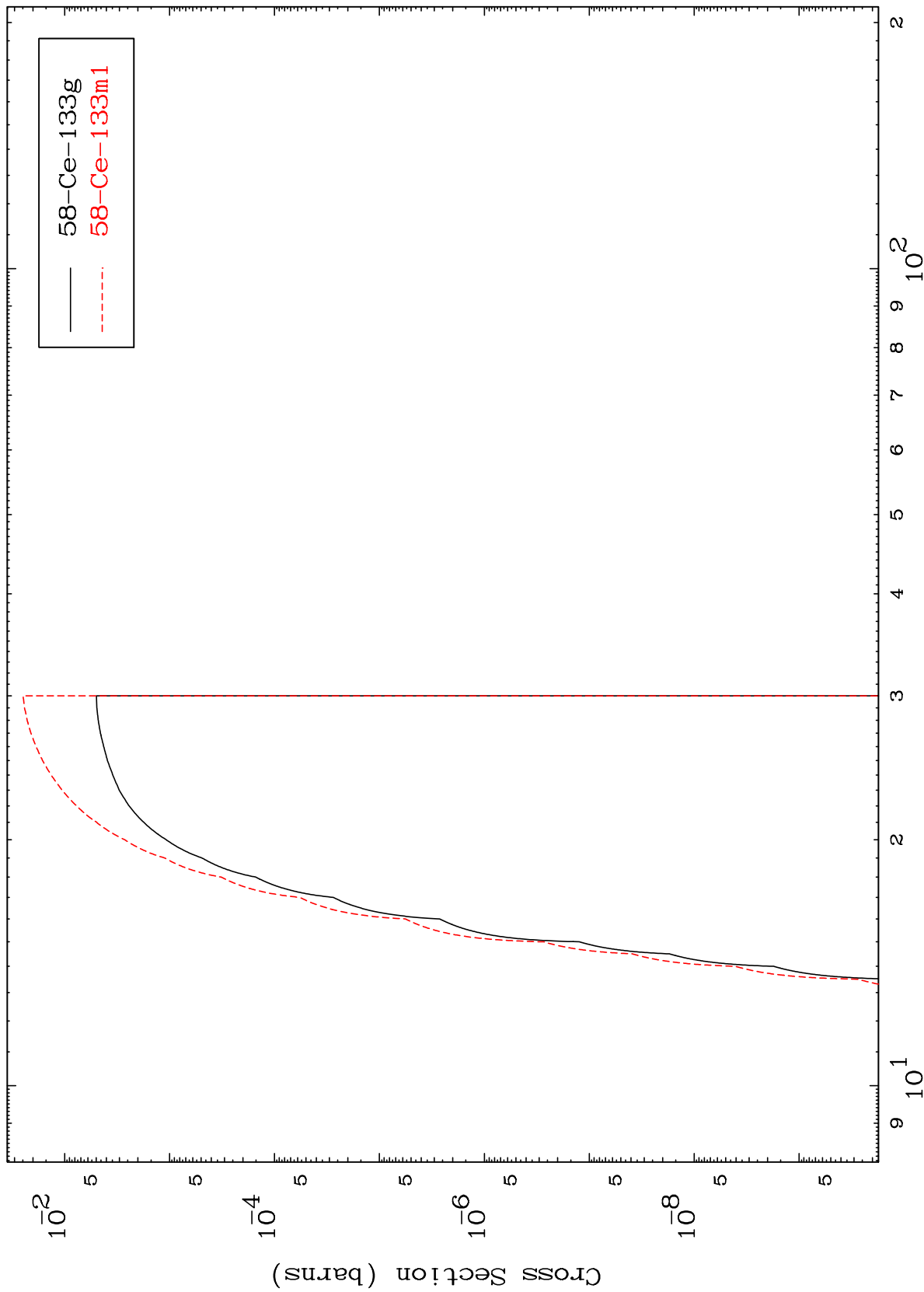
60-Nd-135

MAT 6004

(n,2n) p

60-Nd-135

Radionuclide Production Cross Section



138

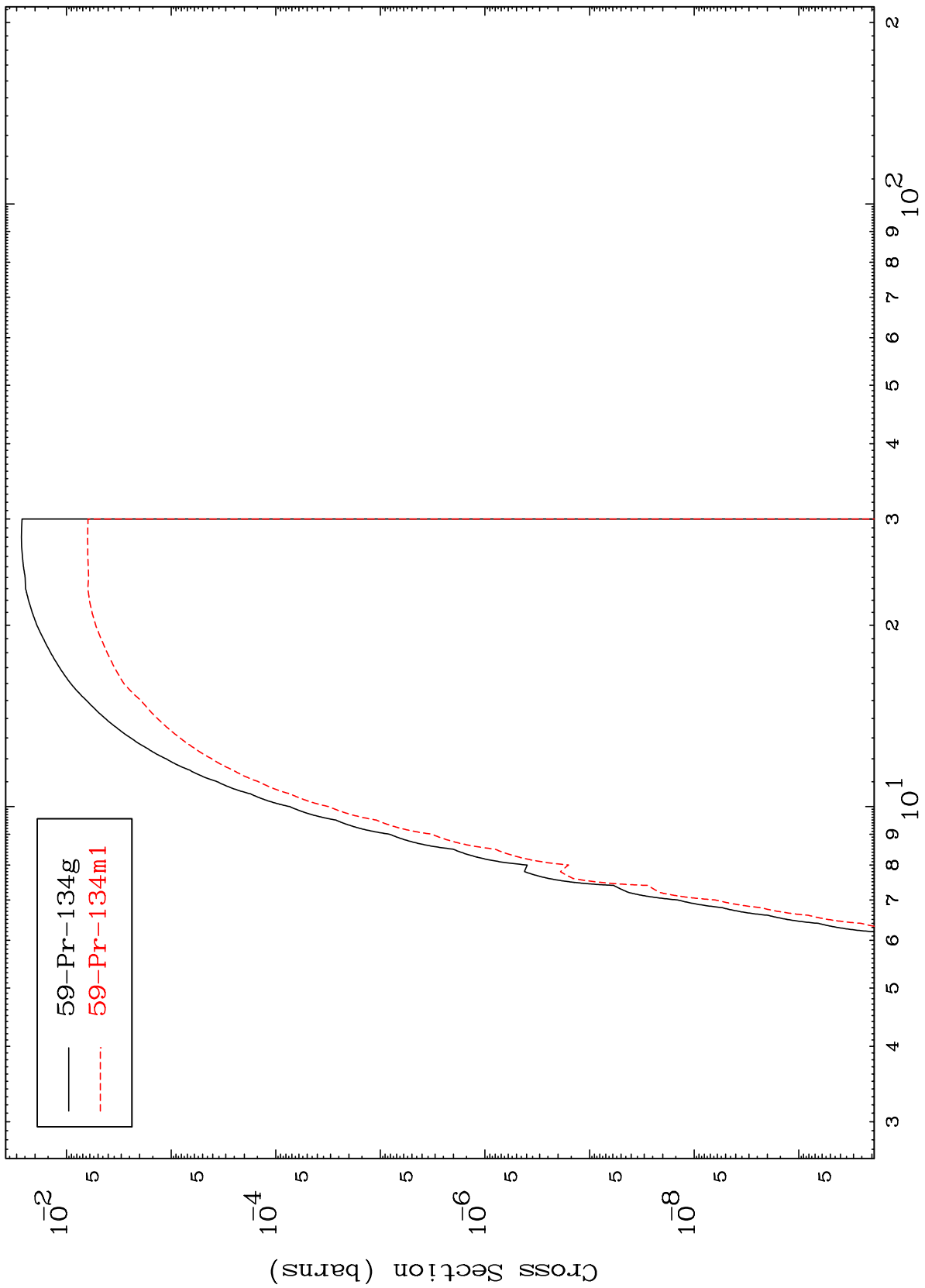
Incident Energy (MeV)

60-Nd-135

MAT 6004

60-Nd-135

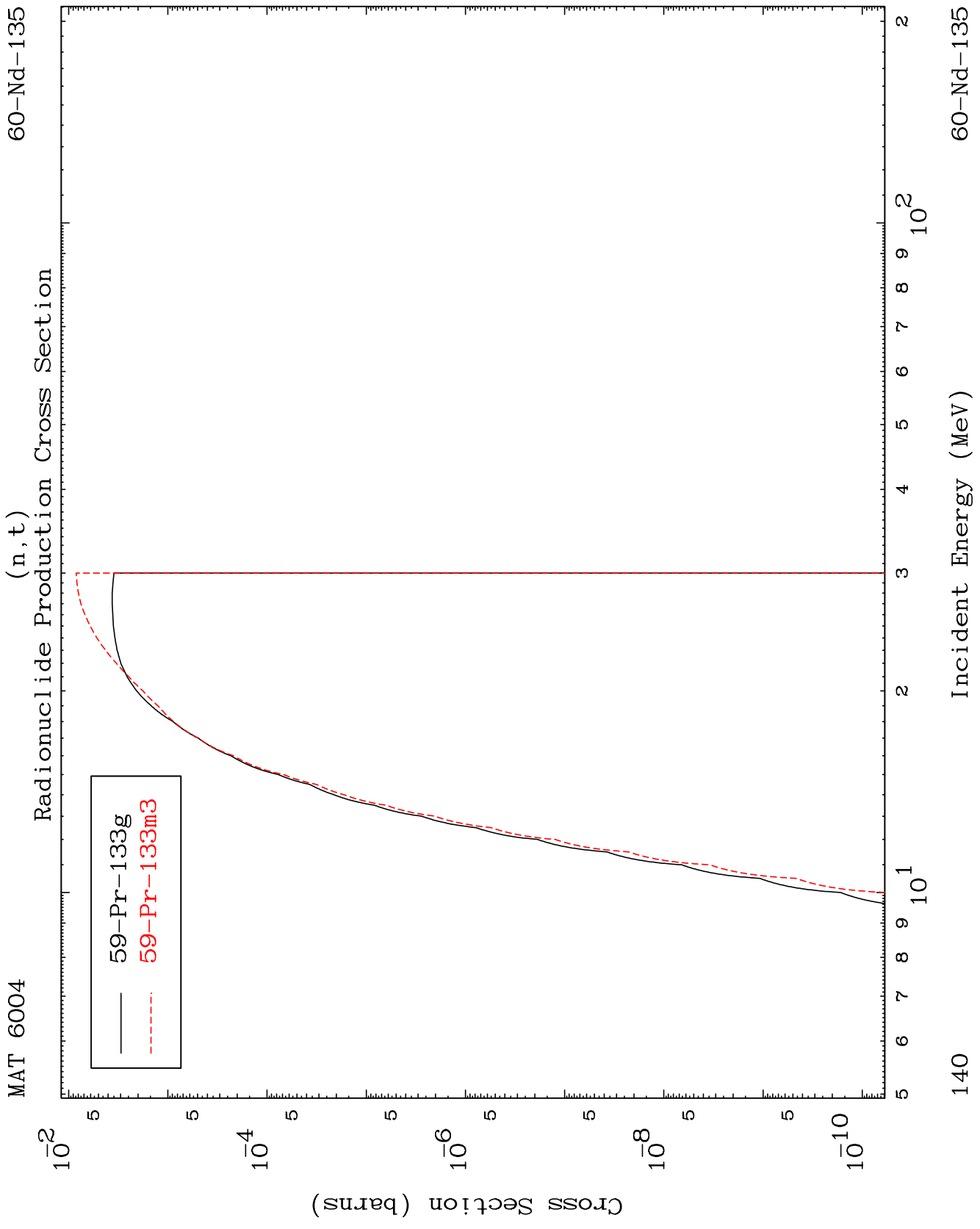
(n,d)
Radionuclide Production Cross Section



139

Incident Energy (MeV)

60-Nd-135

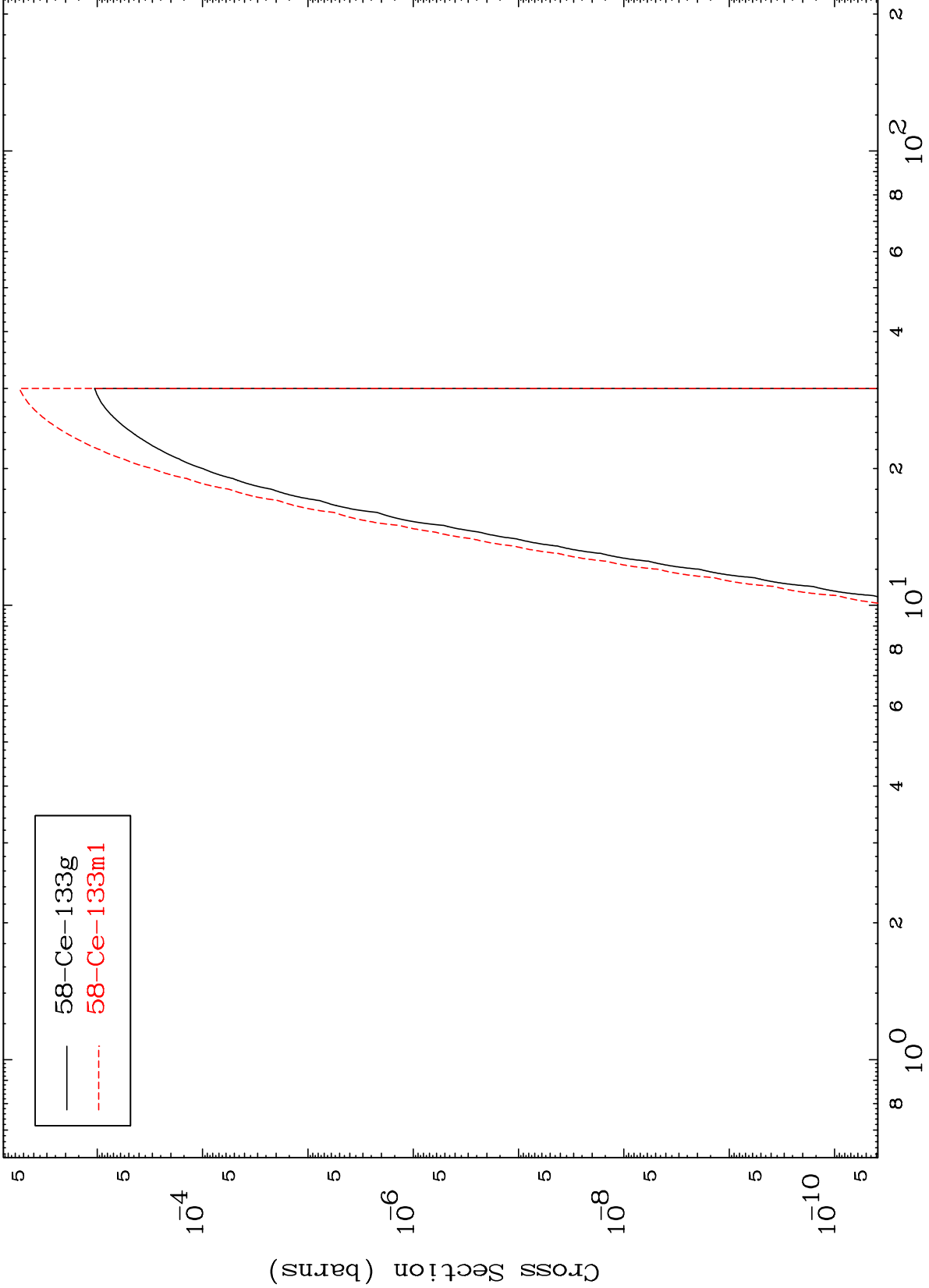


MAT 6004

(n,He-3)

60-Nd-135

Radionuclide Production Cross Section



58-Ce-133g
58-Ce-133m1

141

Incident Energy (MeV)

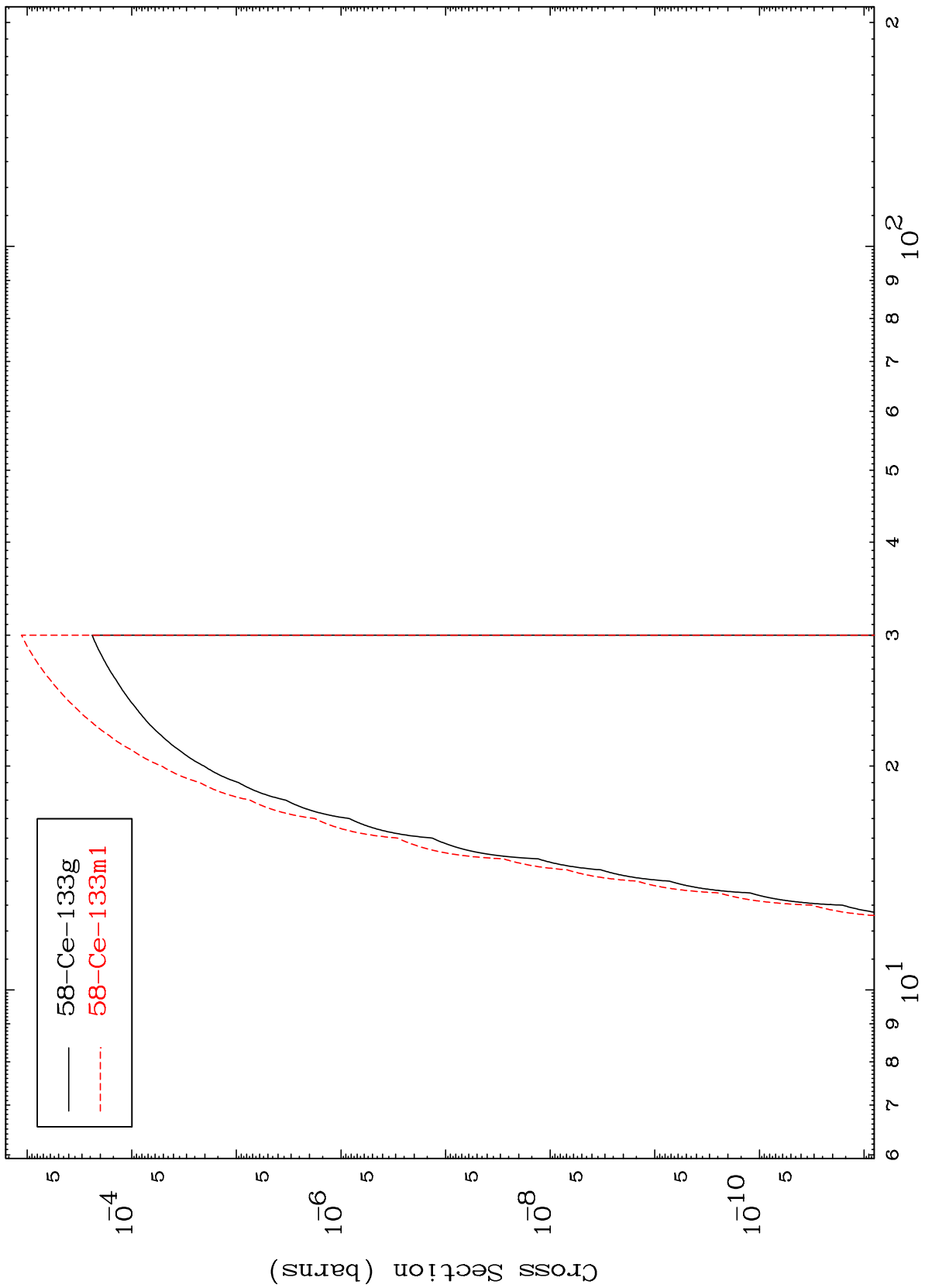
60-Nd-135

MAT 6004

(n,p) d

60-Nd-135

Radionuclide Production Cross Section



58-Ce-133g
58-Ce-133m1

142

Incident Energy (MeV)

60-Nd-135