

Program EVALPLOT
(Version 2018-1)

by

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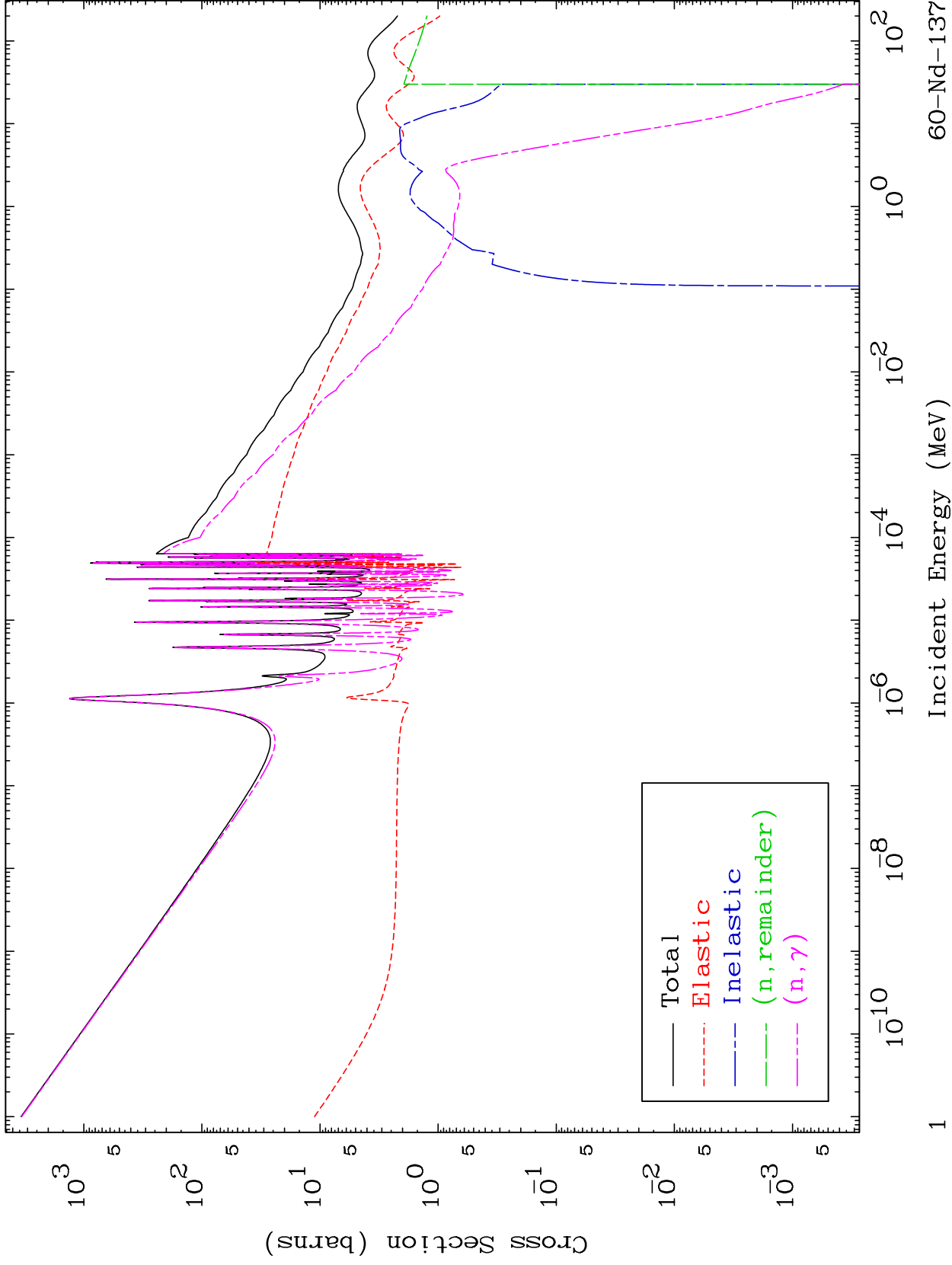
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6010

Major
293 Kelvin Cross Sections

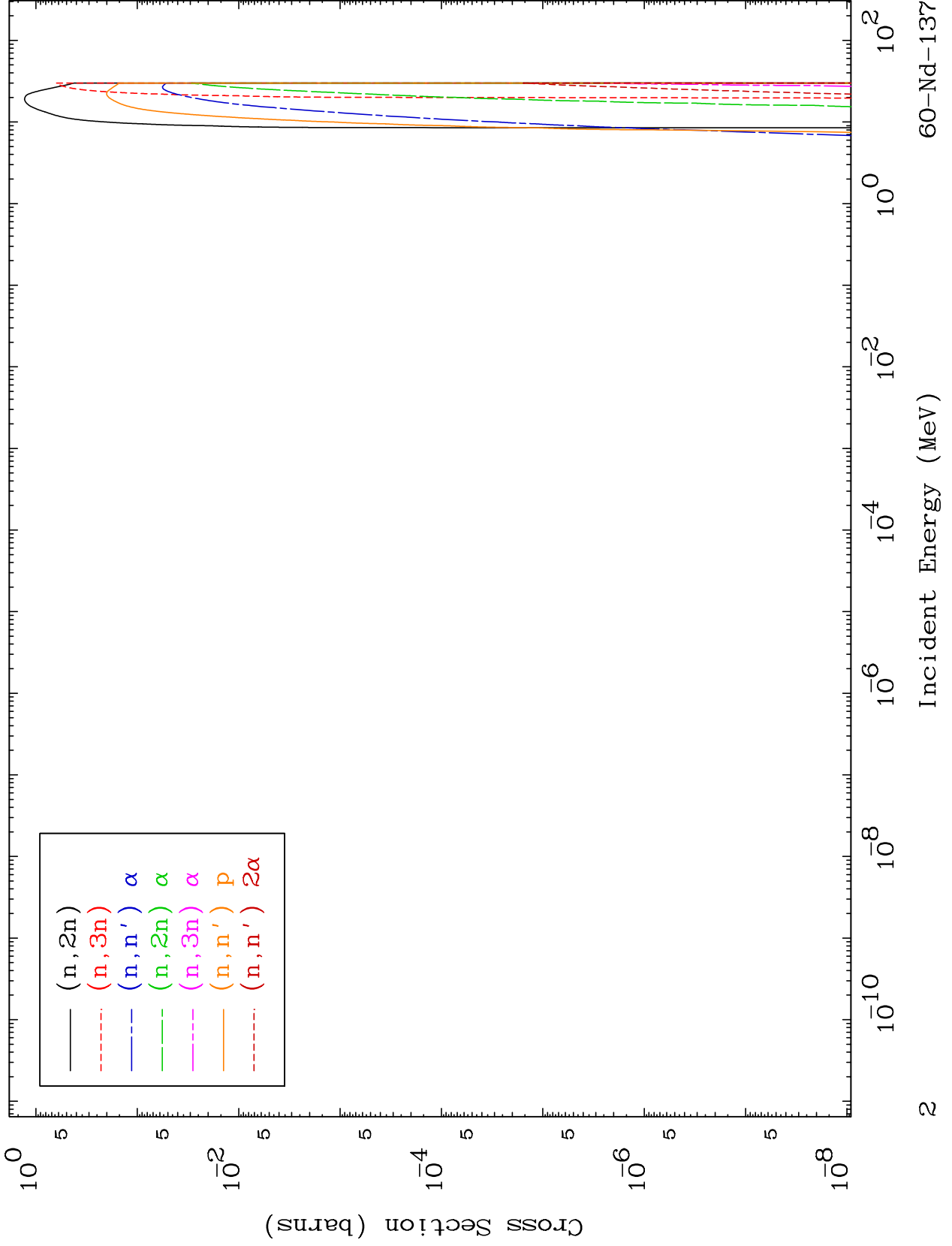
60-Nd-137



MAT 6010

Neutron Production
293 Kelvin Cross Sections

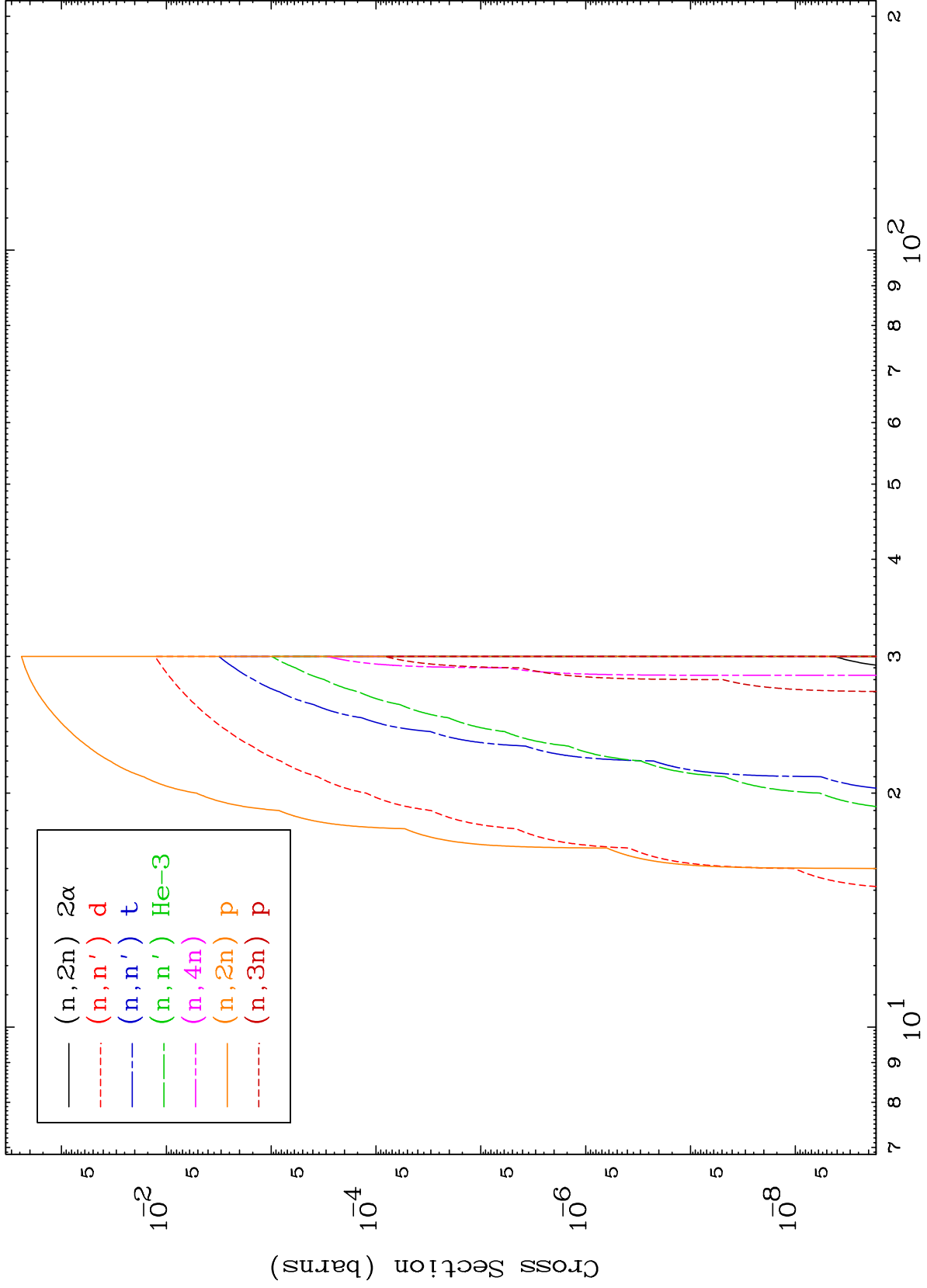
60-Nd-137



MAT 6010

Neutron Production
293 Kelvin Cross Sections

60-Nd-137



3

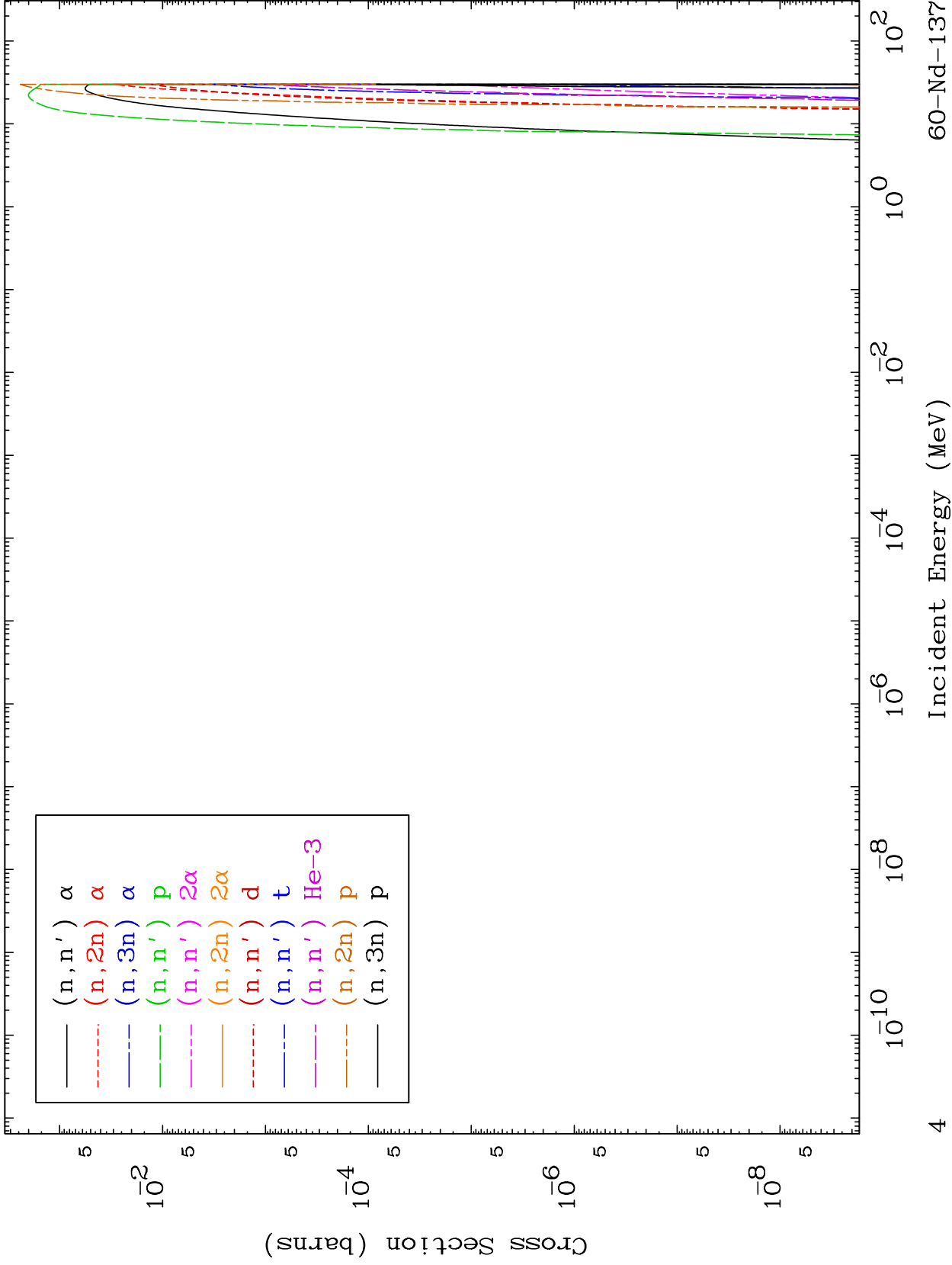
Incident Energy (MeV)

60-Nd-137

MAT 6010

Charged Particle
293 Kelvin Cross Sections

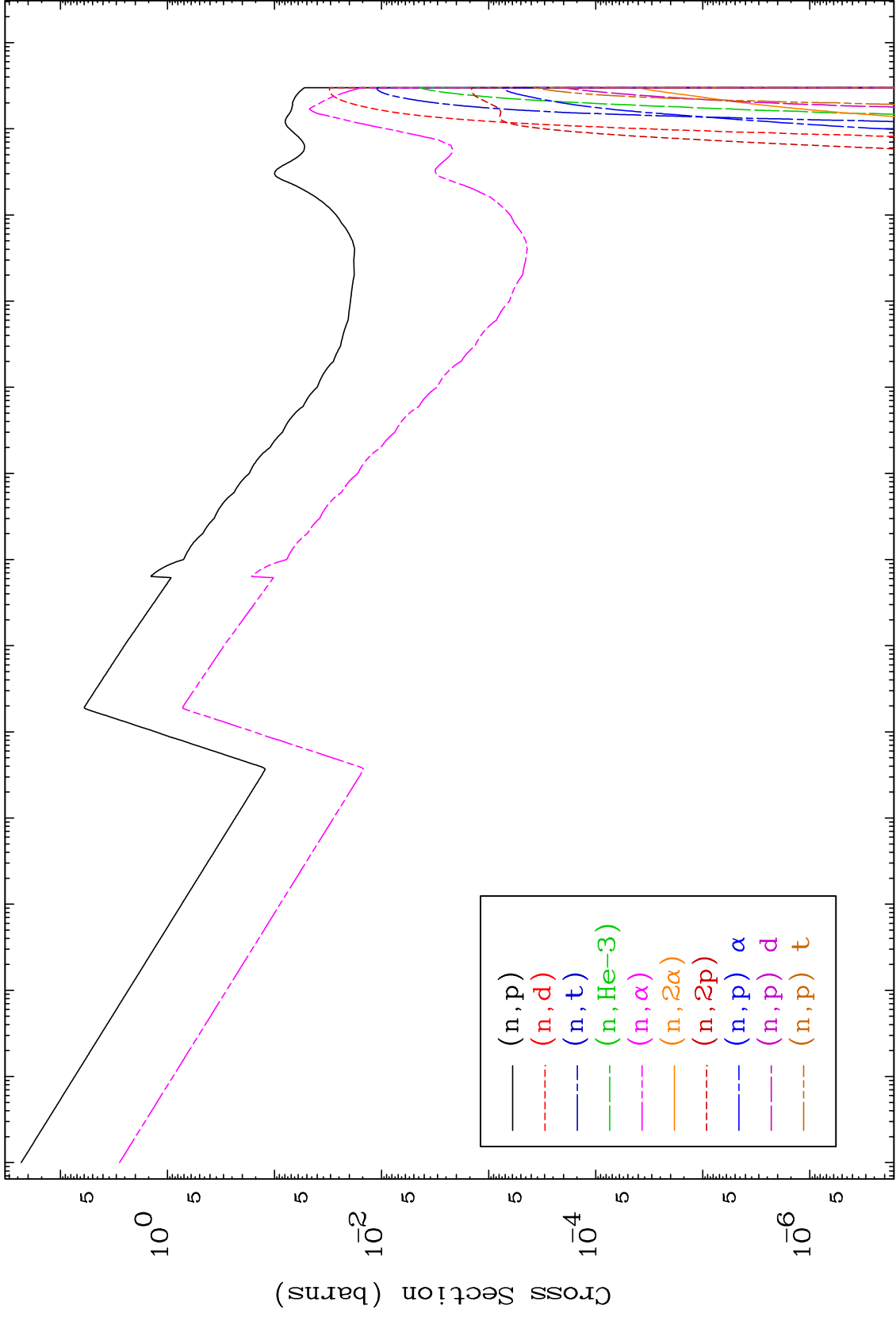
60-Nd-137



MAT 6010

Charged Particle
293 Kelvin Cross Sections

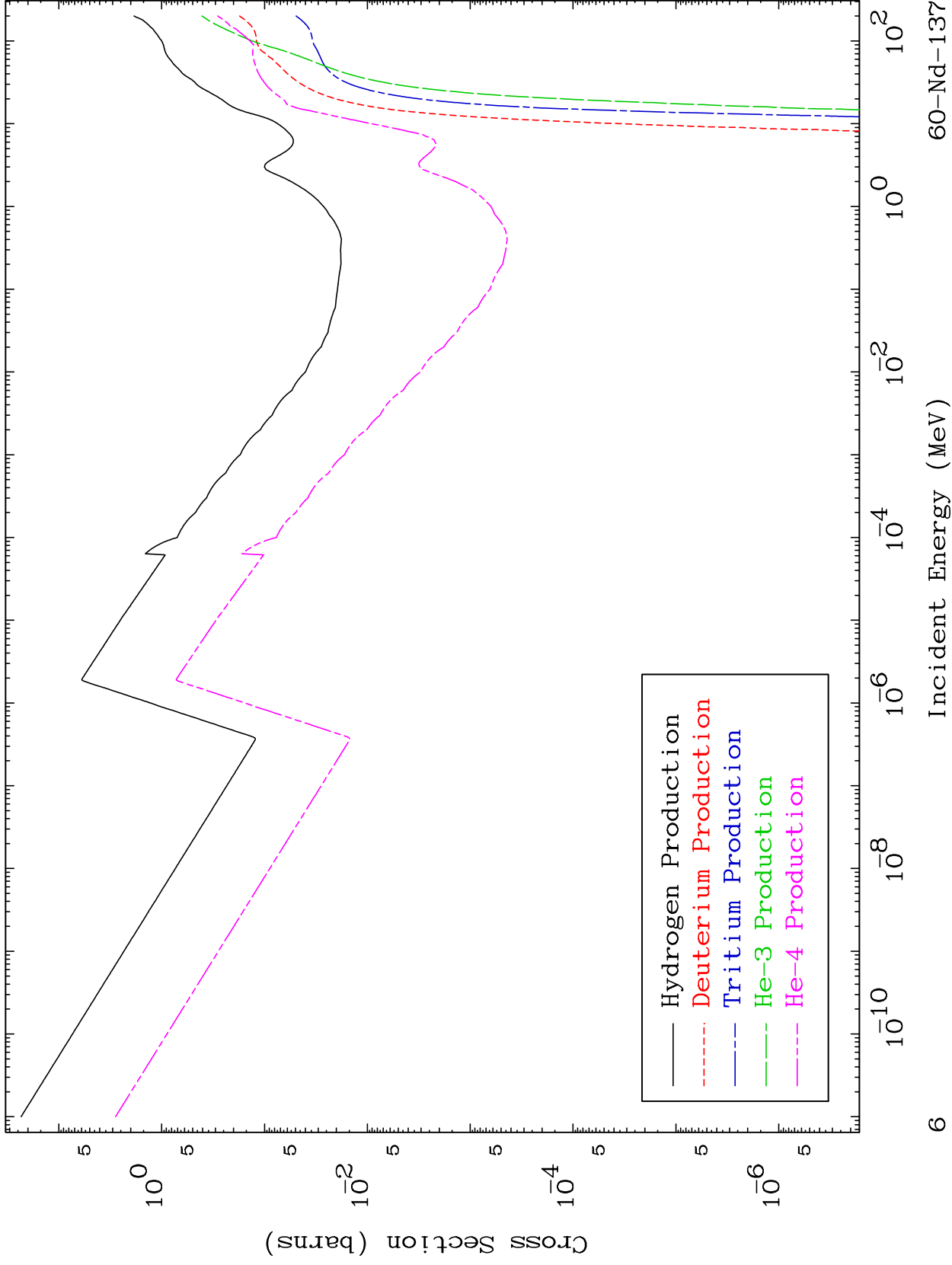
60-Nd-137



MAT 6010

Particle Production
293 Kelvin Cross Sections

60-Nd-137

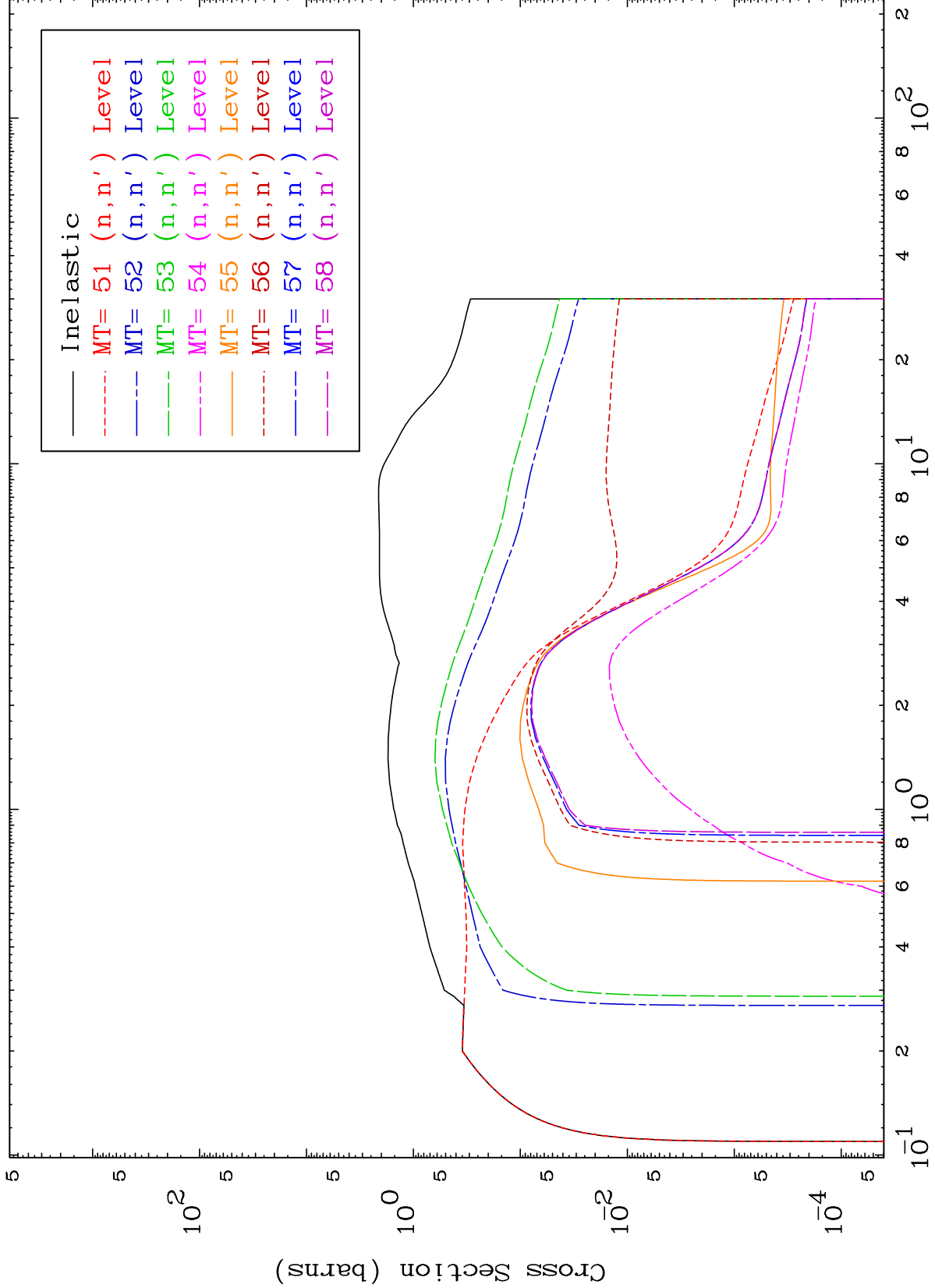


MAT 6010

(n,n') Level

60-Nd-137

293 Kelvin Cross Sections



Incident Energy (MeV)

60-Nd-137

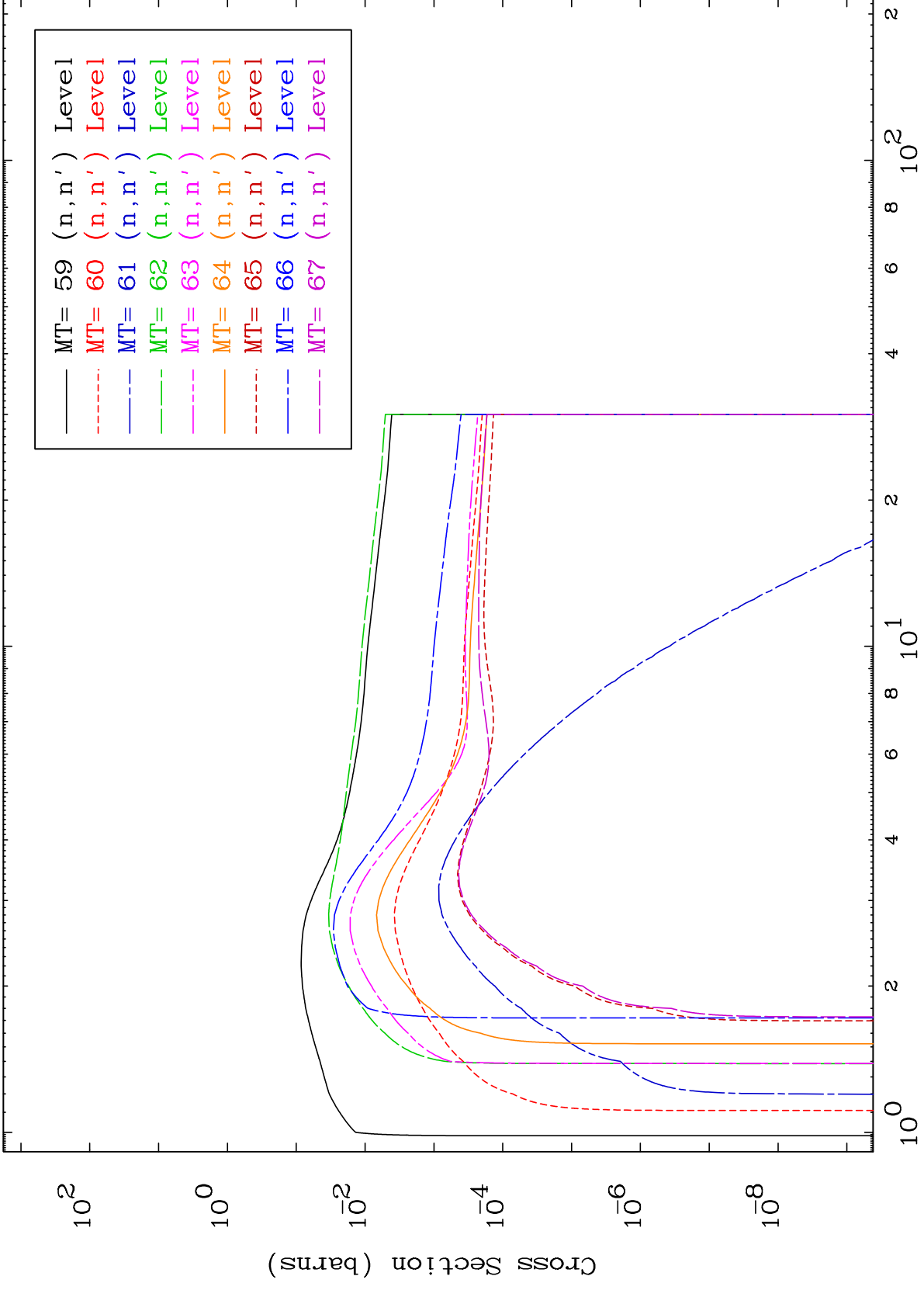
7

MAT 6010

(n,n') Level

60-Nd-137

293 Kelvin Cross Sections



Incident Energy (MeV)

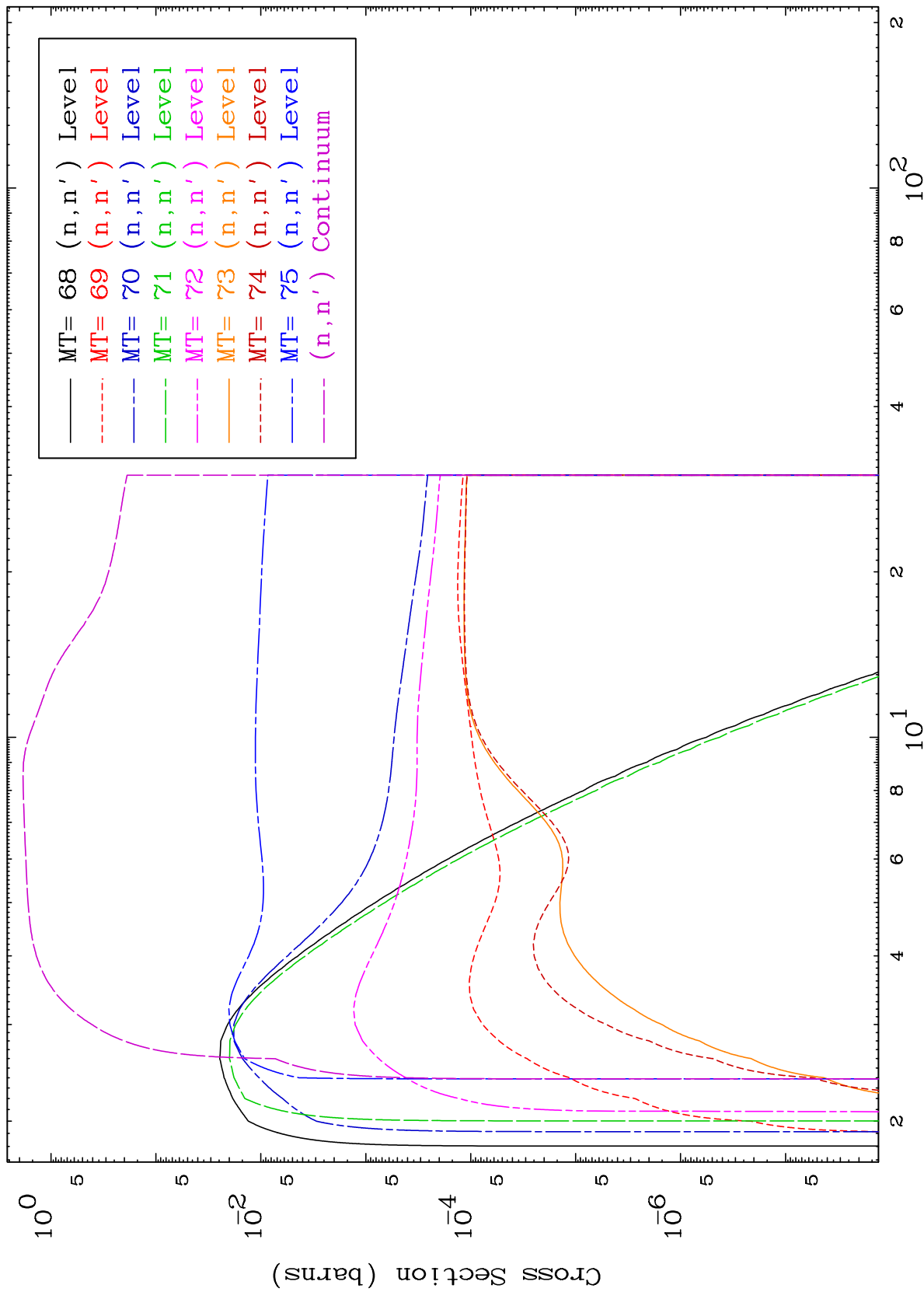
60-Nd-137

MAT 6010

(n,n') Level

60-Nd-137

293 Kelvin Cross Sections



9

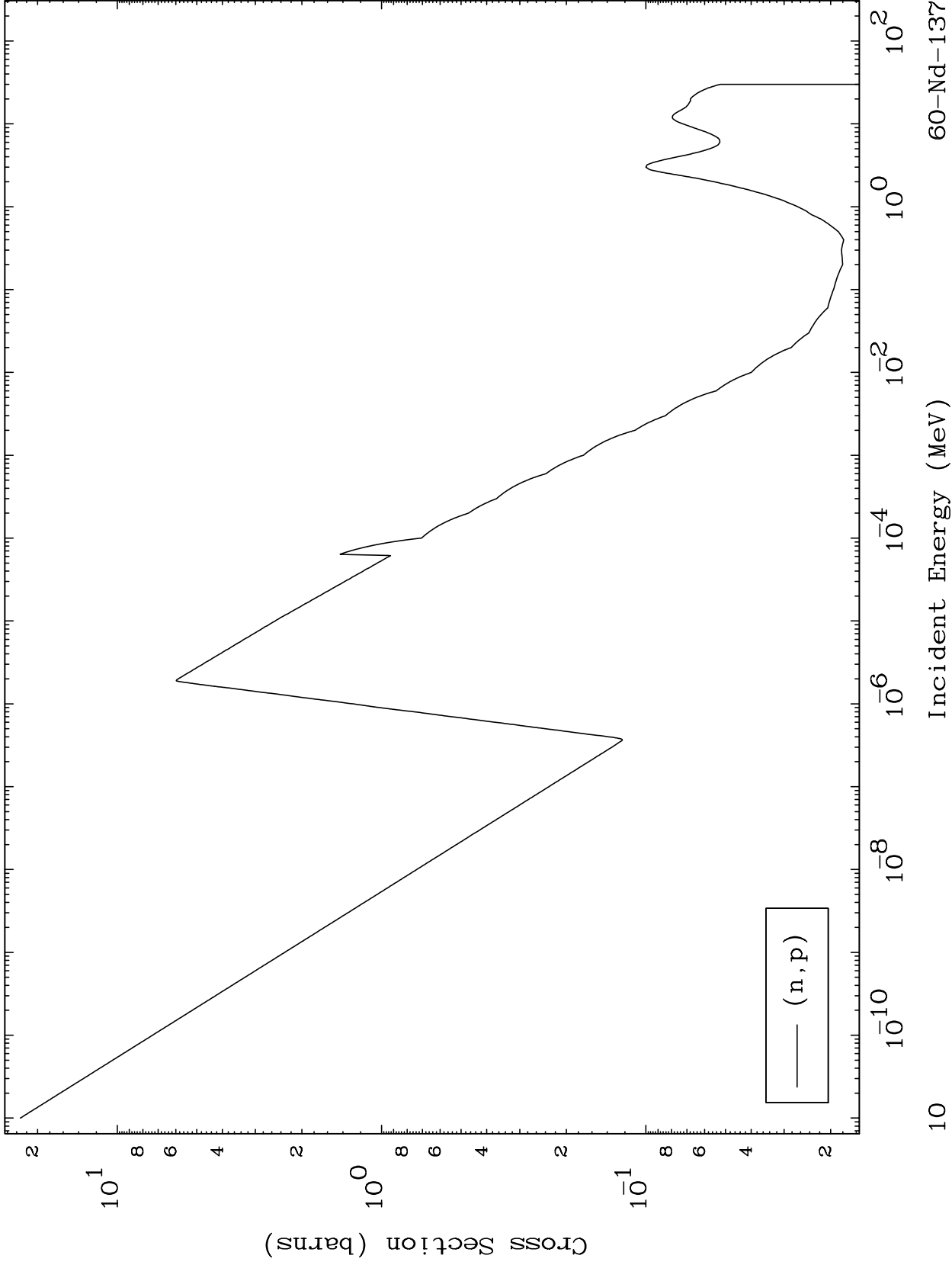
Incident Energy (MeV)

60-Nd-137

MAT 6010

(n,p) Levels
293 Kelvin Cross Sections

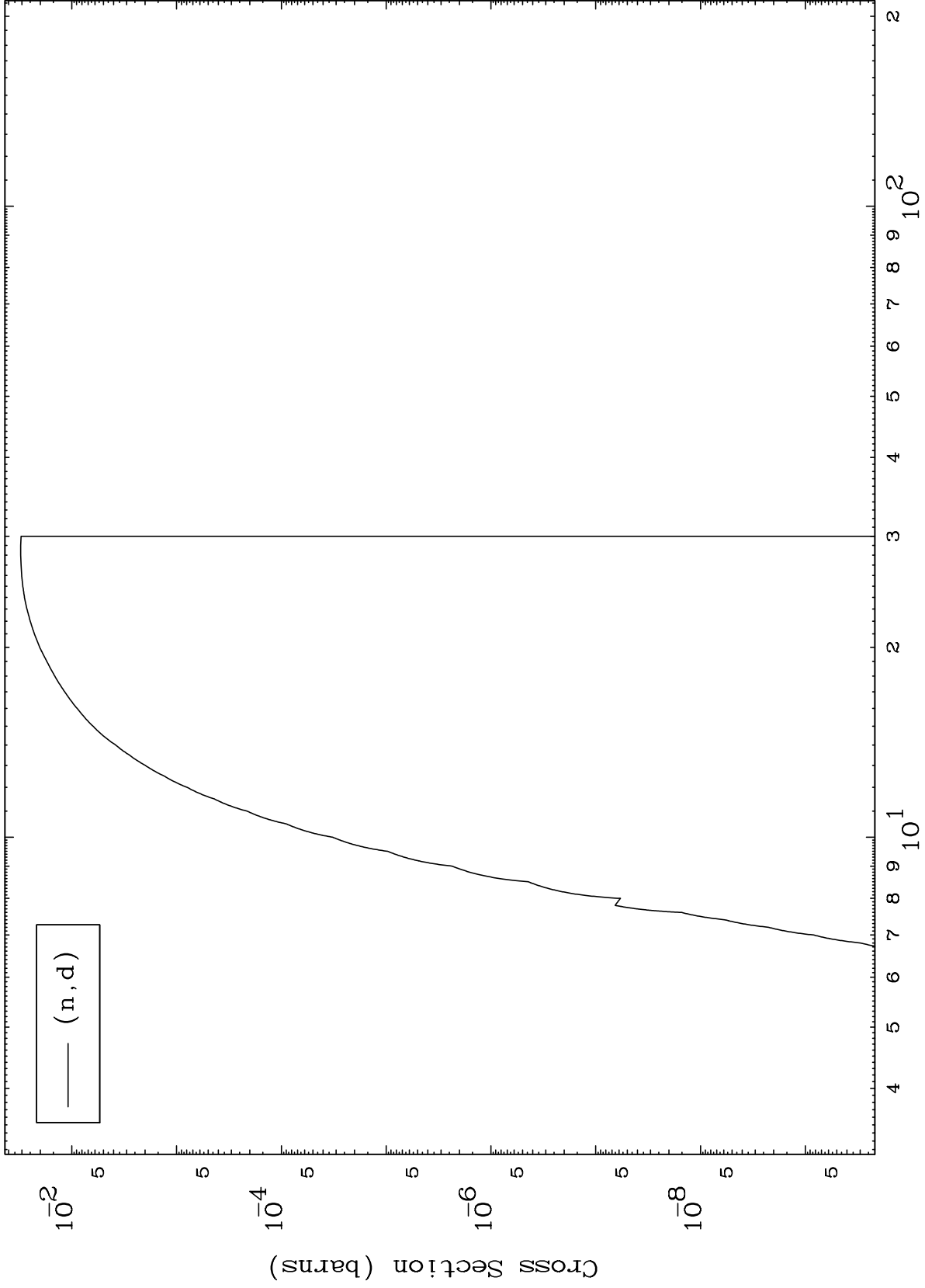
60-Nd-137



MAT 6010

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-137



11

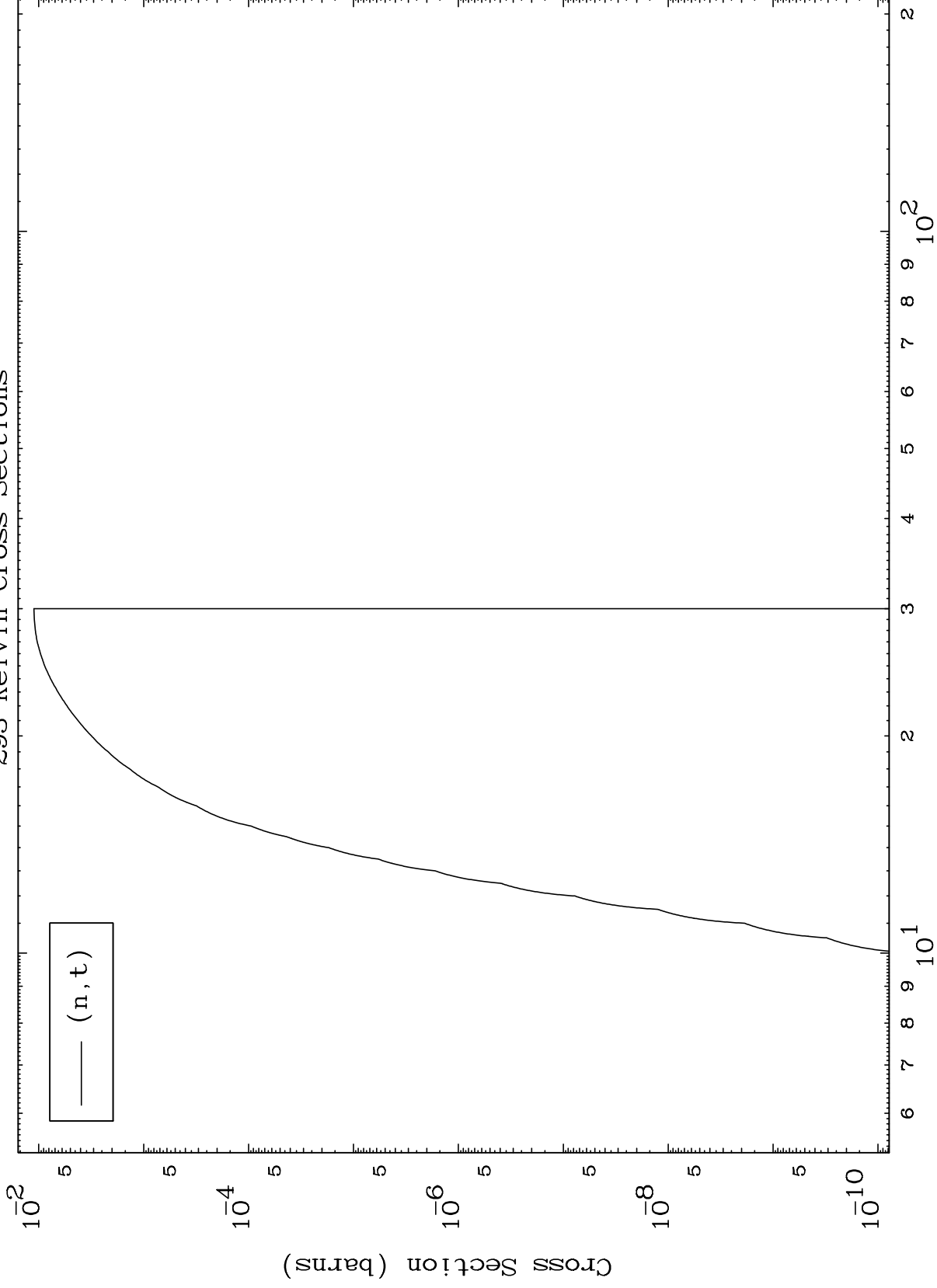
Incident Energy (MeV)

60-Nd-137

MAT 6010

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-137



12

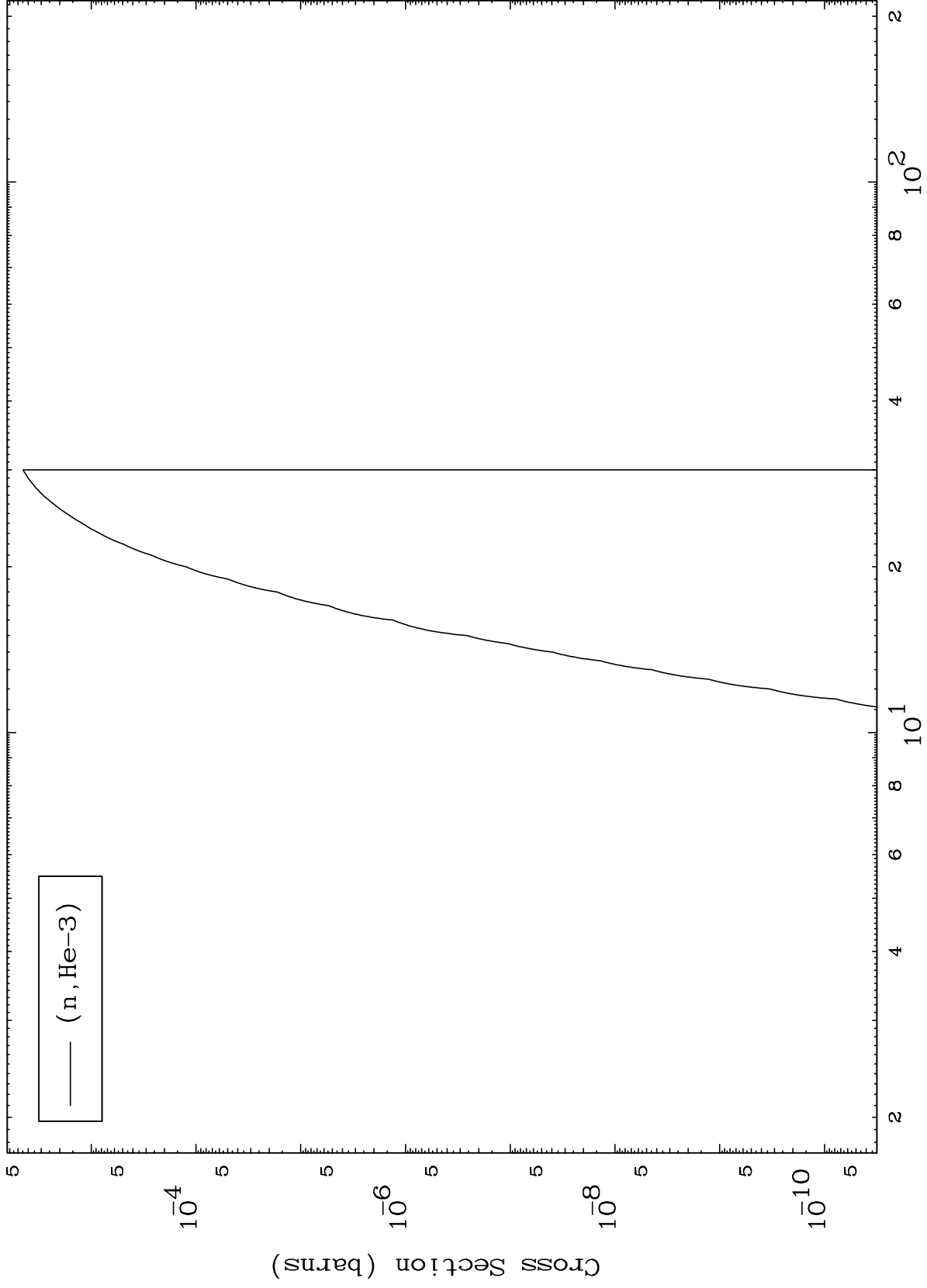
Incident Energy (MeV)

60-Nd-137

MAT 6010

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-137



13

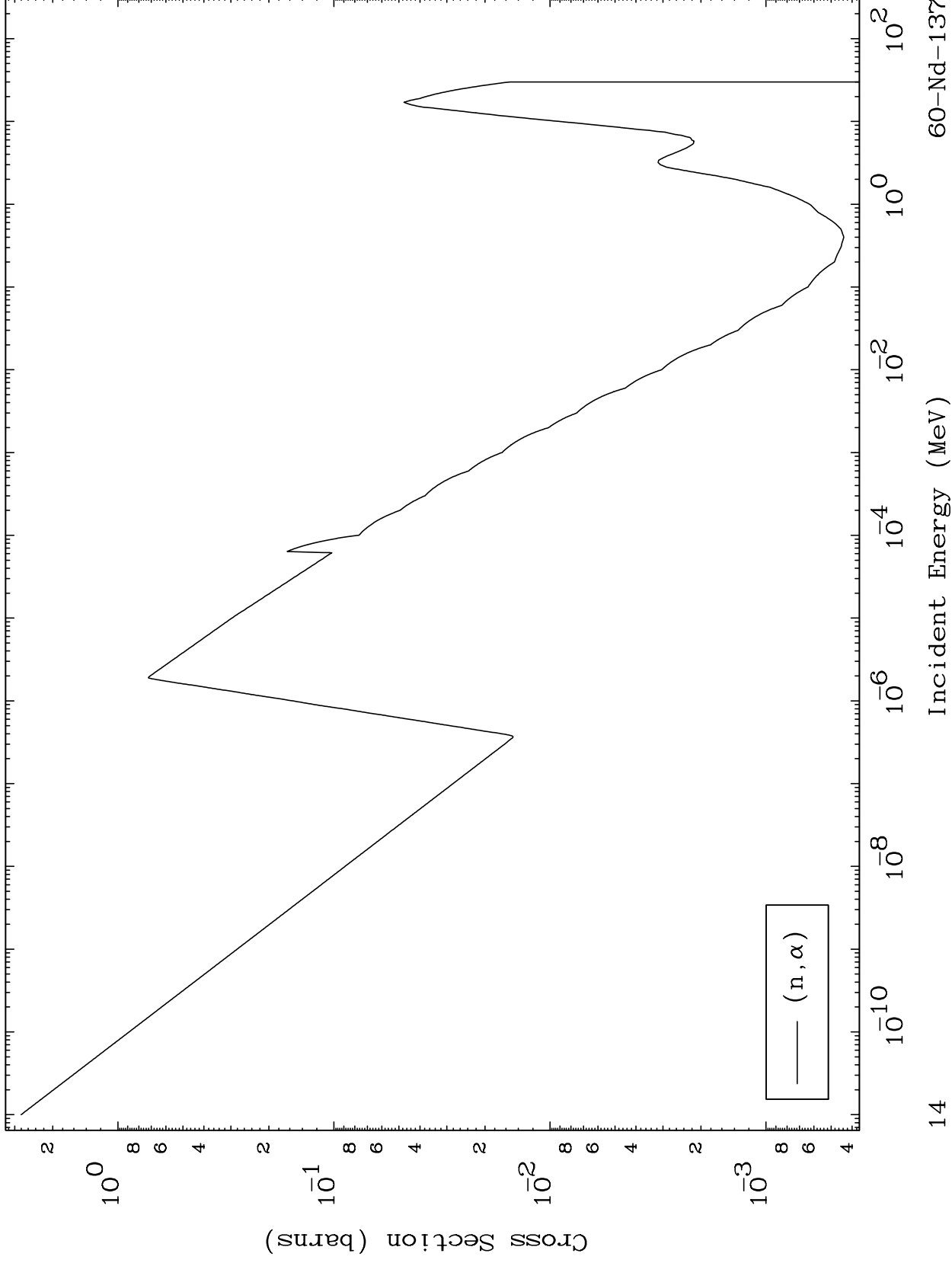
Incident Energy (MeV)

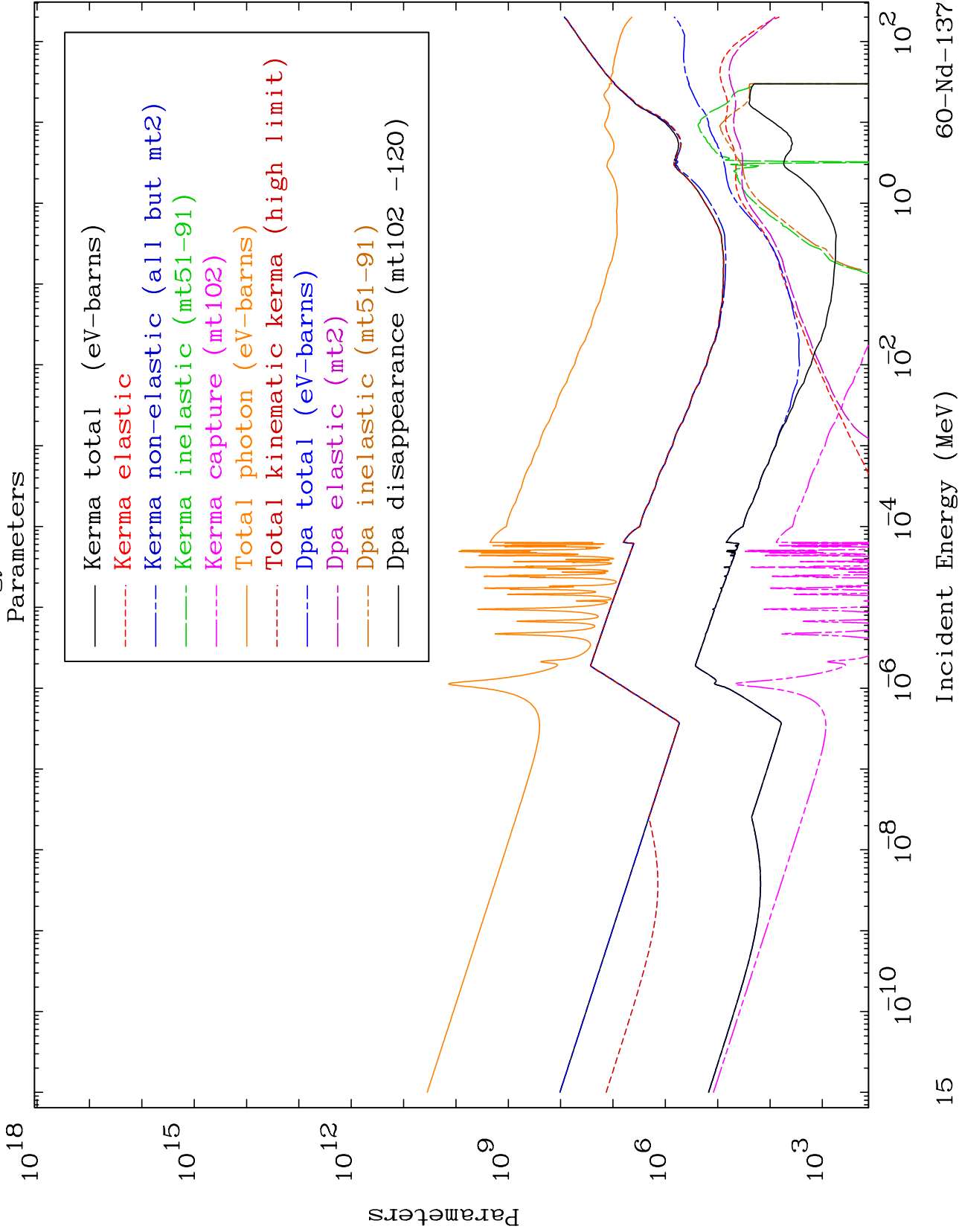
60-Nd-137

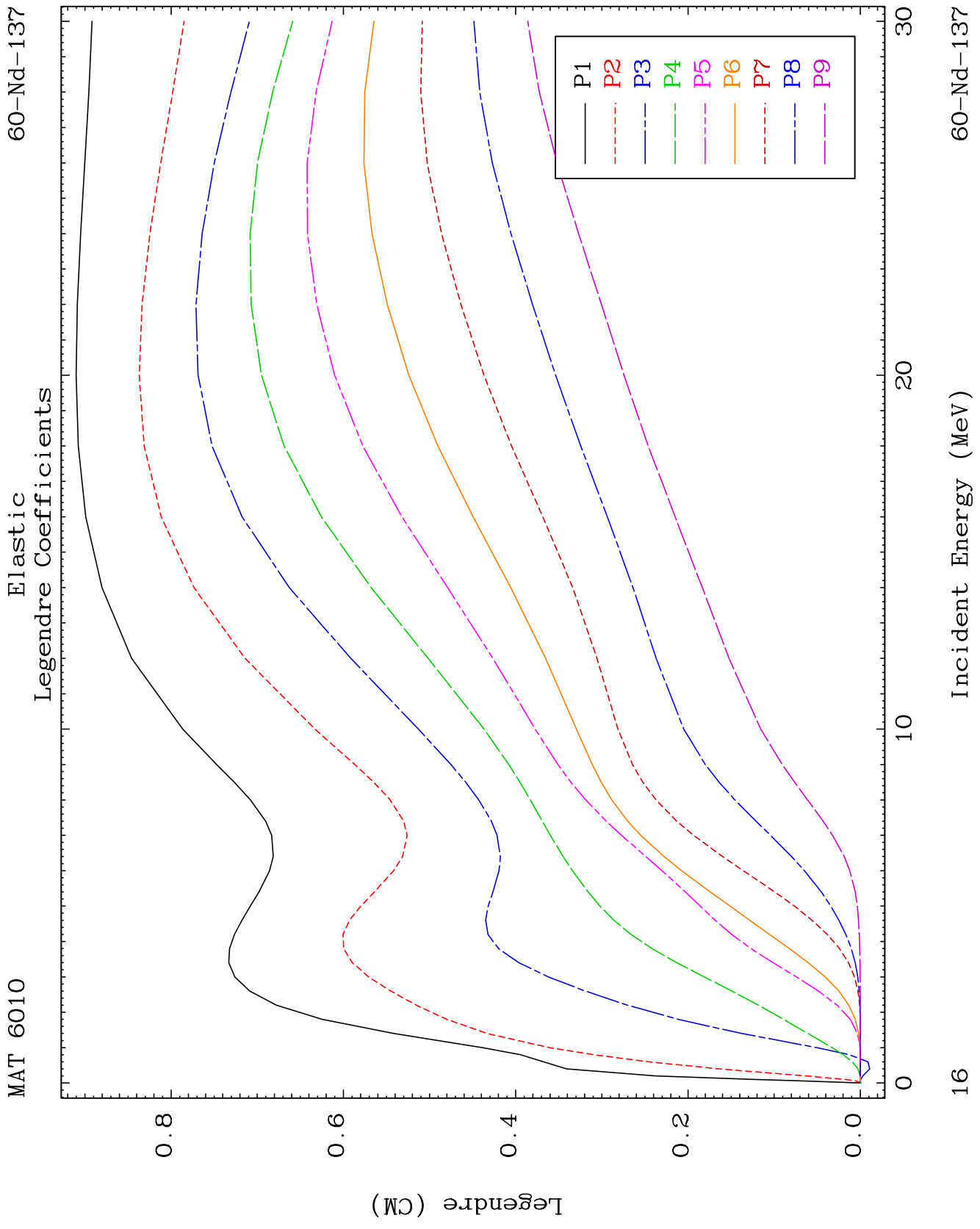
MAT 6010

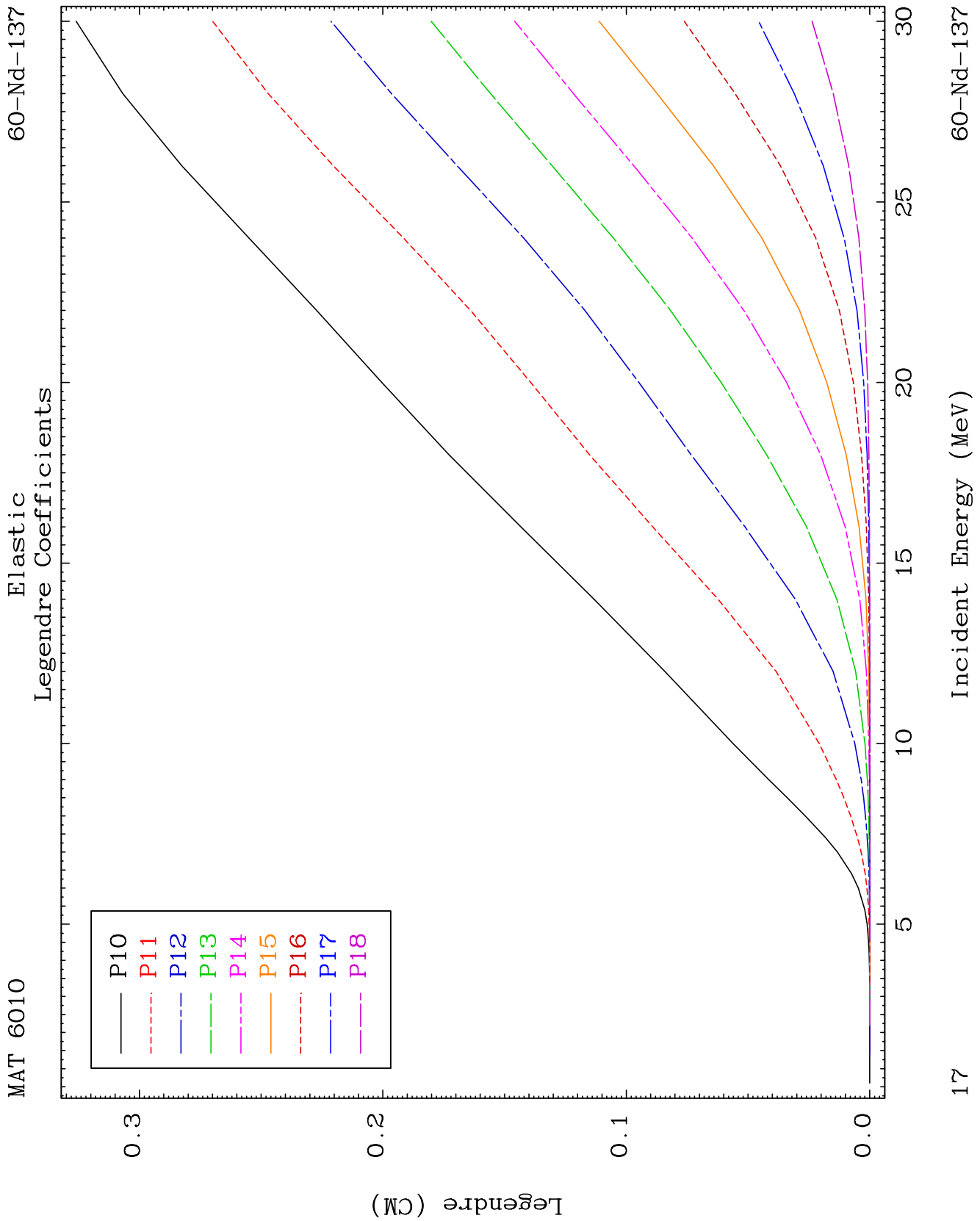
(n,α) Levels
293 Kelvin Cross Sections

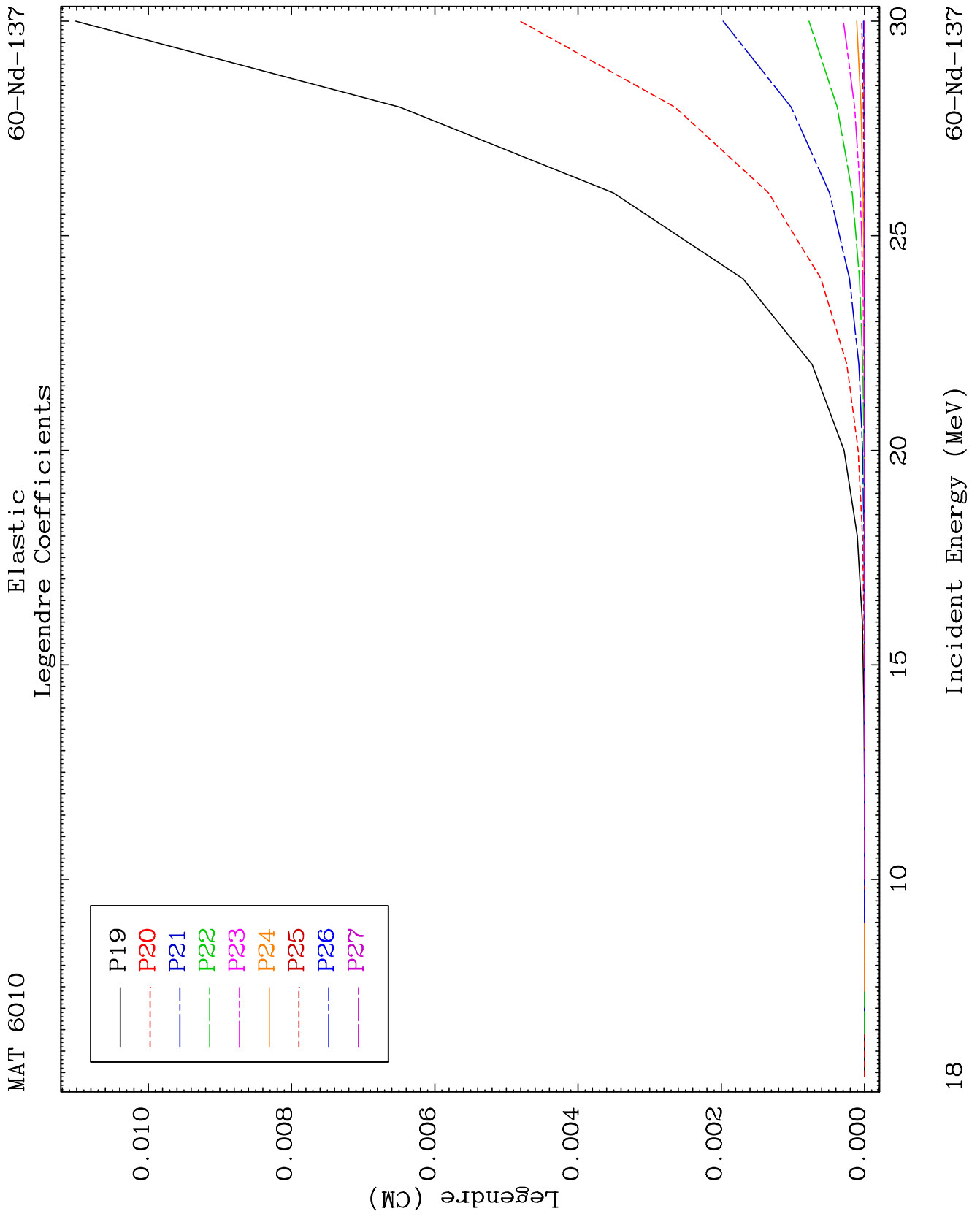
60-Nd-137











MAT 6010

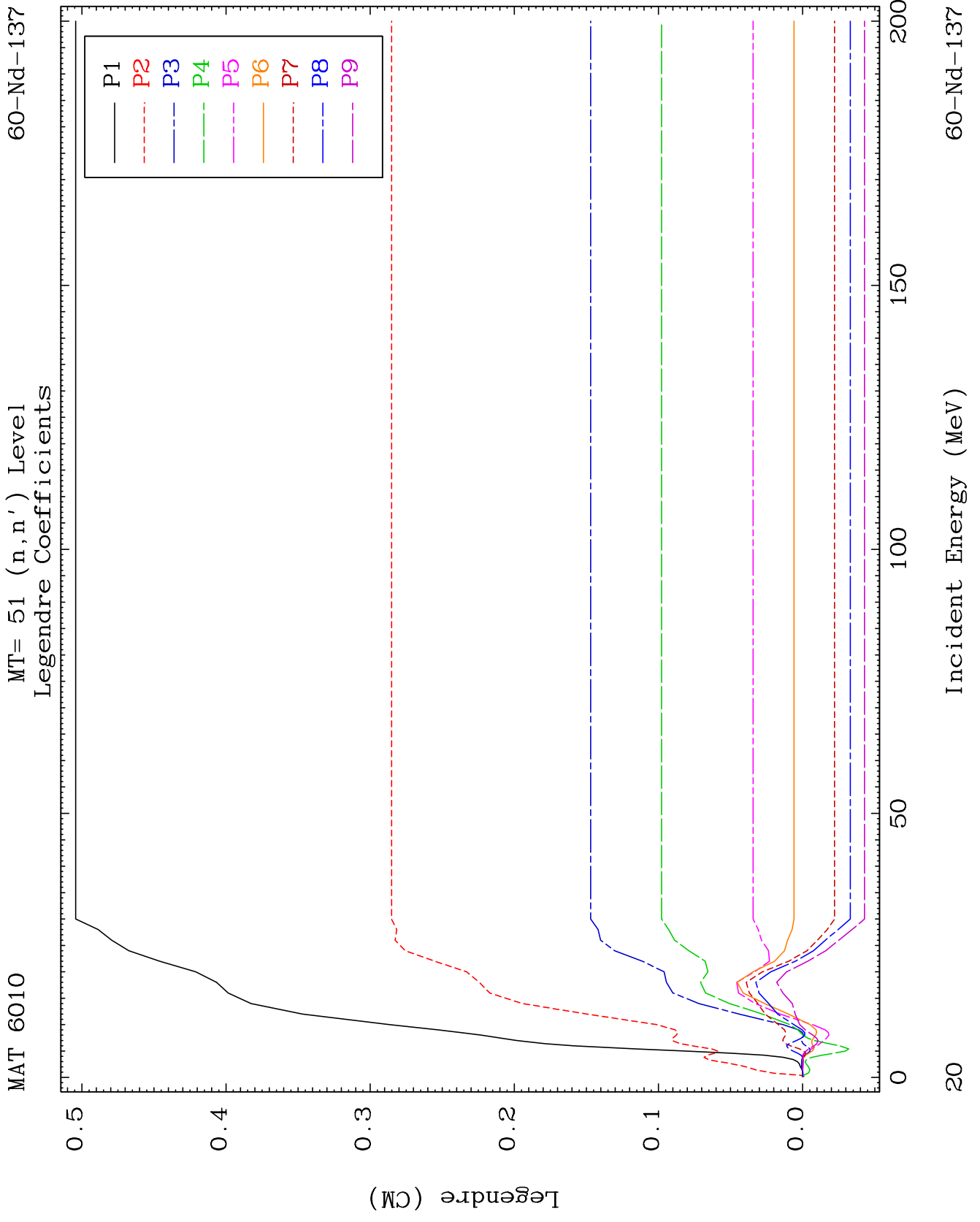
Elastic Legendre Coefficients

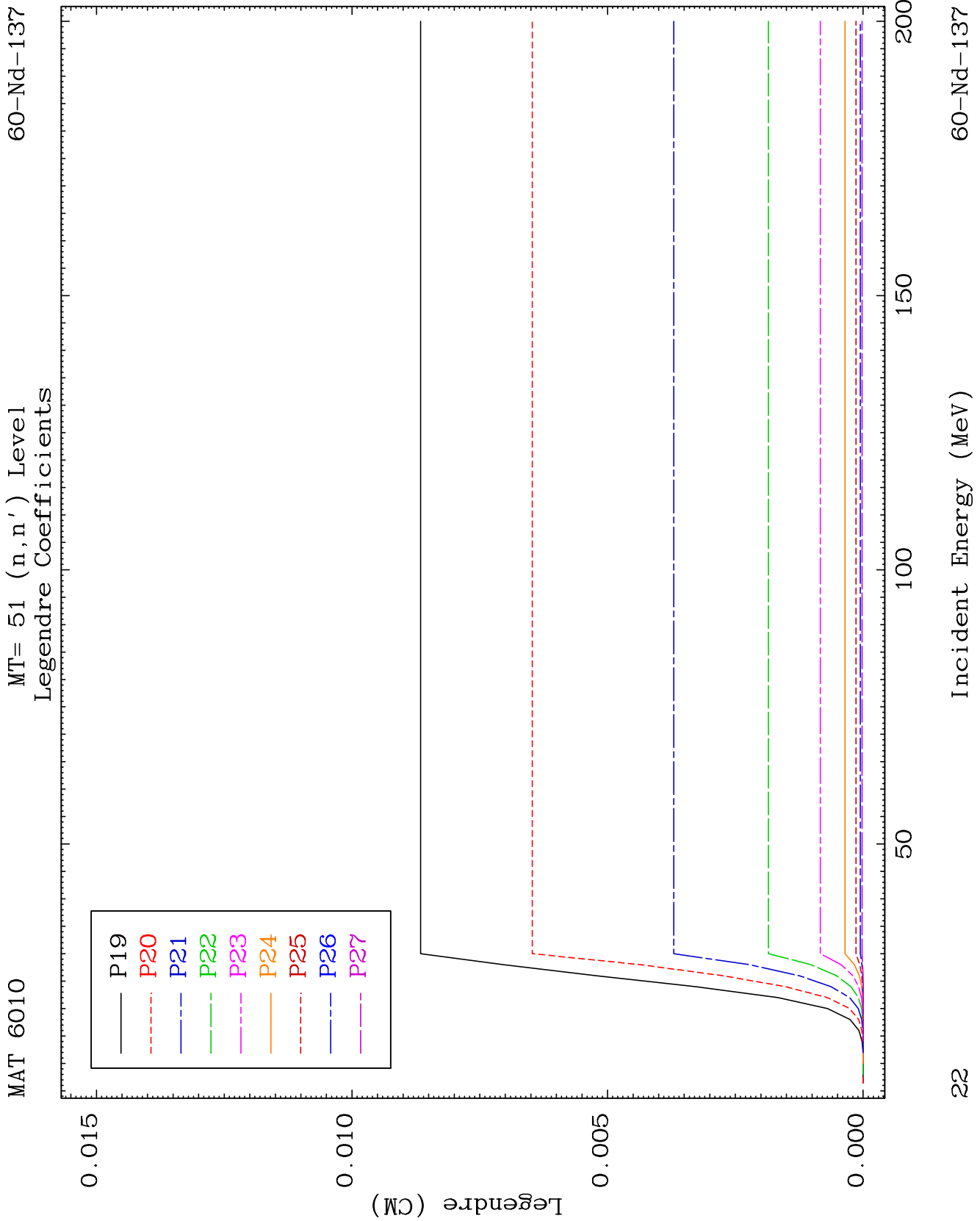
60-Nd-137

18

Incident Energy (MeV)

60-Nd-137



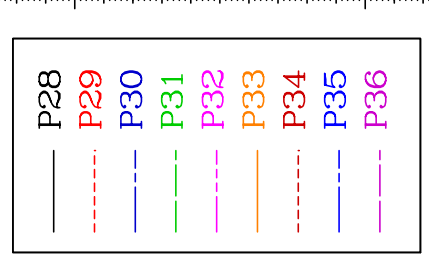


MAT 6010

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

60-Nd-137

$\times 10^{-6}$



Legendre (CM)

6

4

2

0

50

100

150

200

23

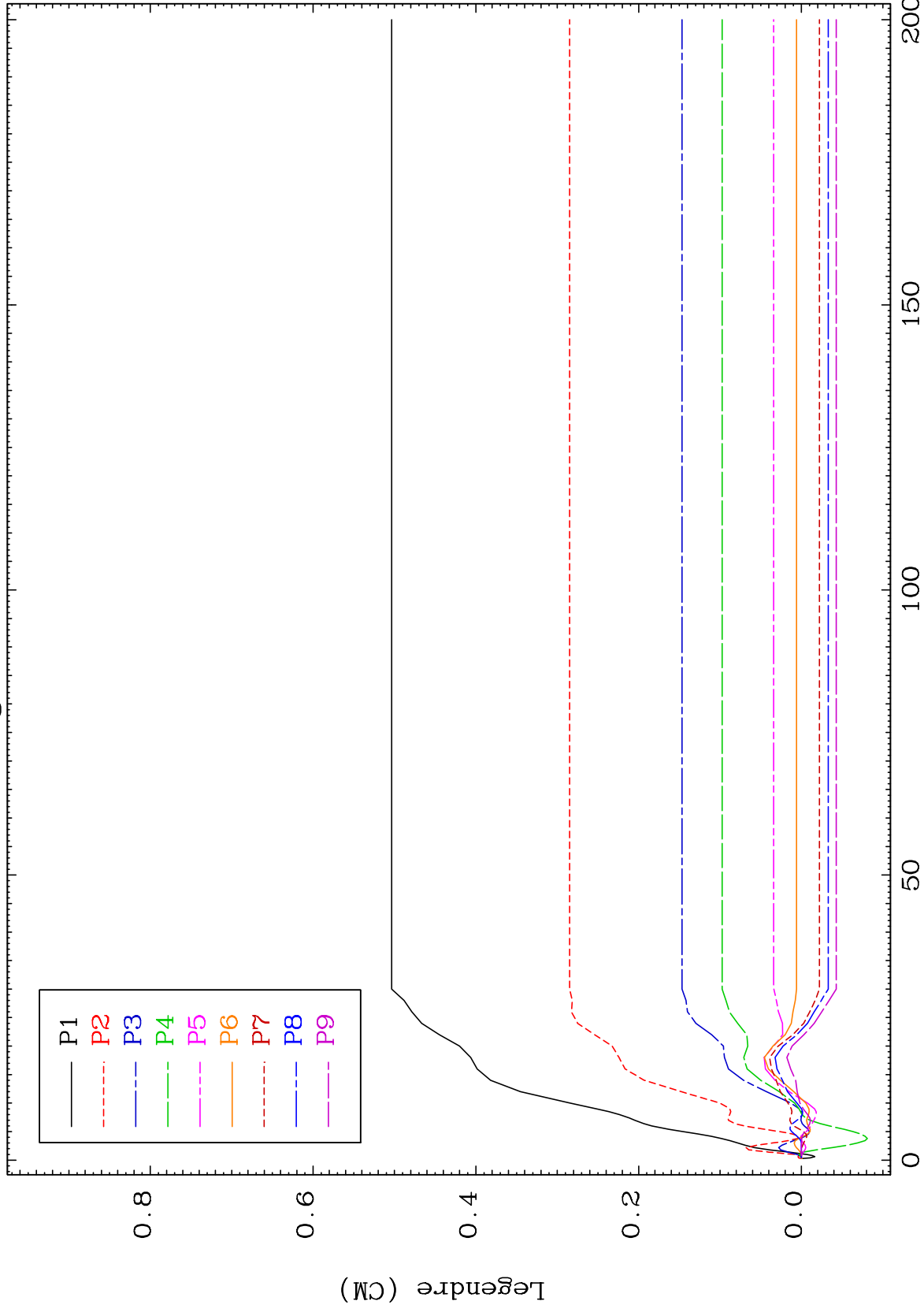
Incident Energy (MeV)

60-Nd-137

MAT 6010

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

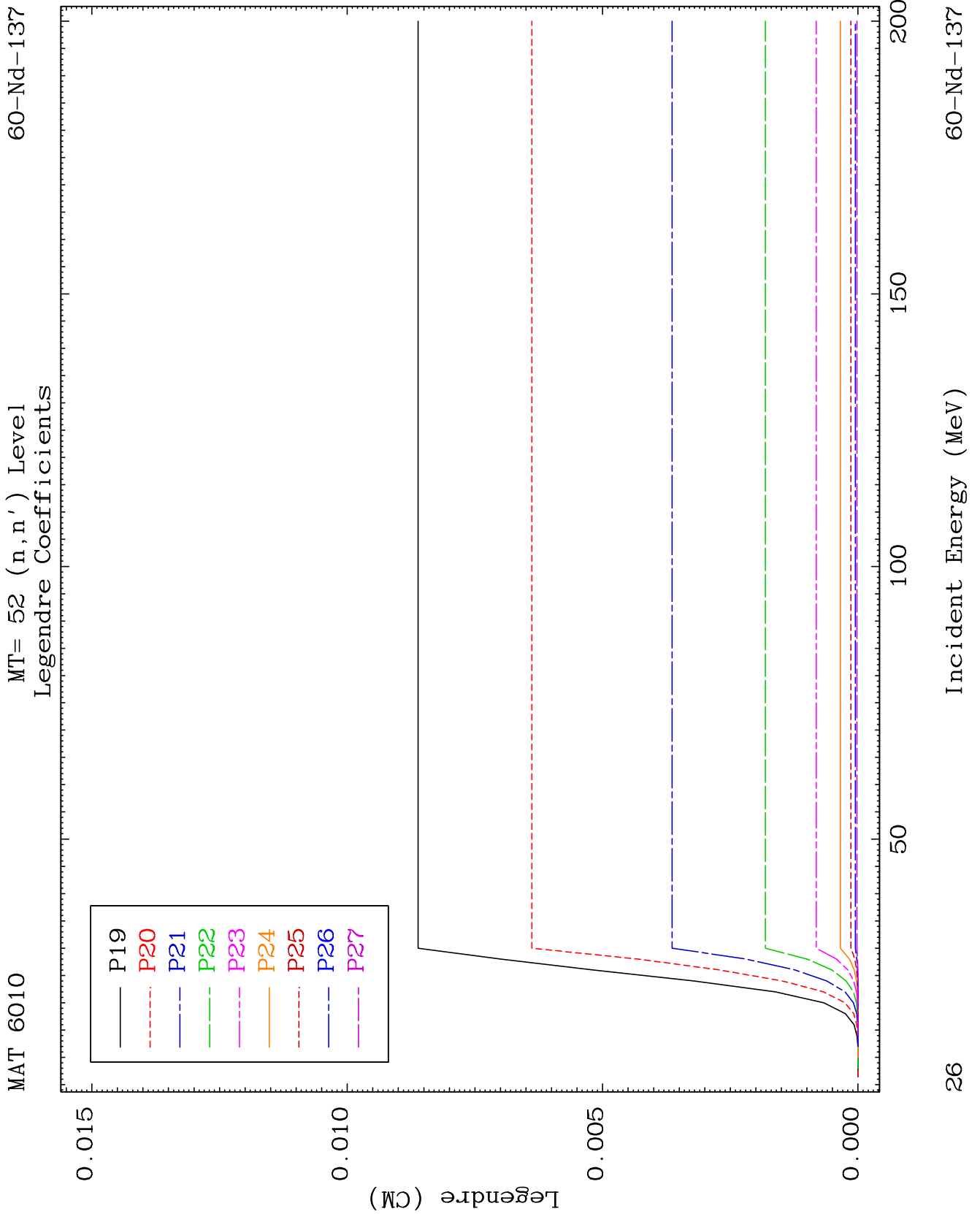
60-Nd-137



24

Incident Energy (MeV)

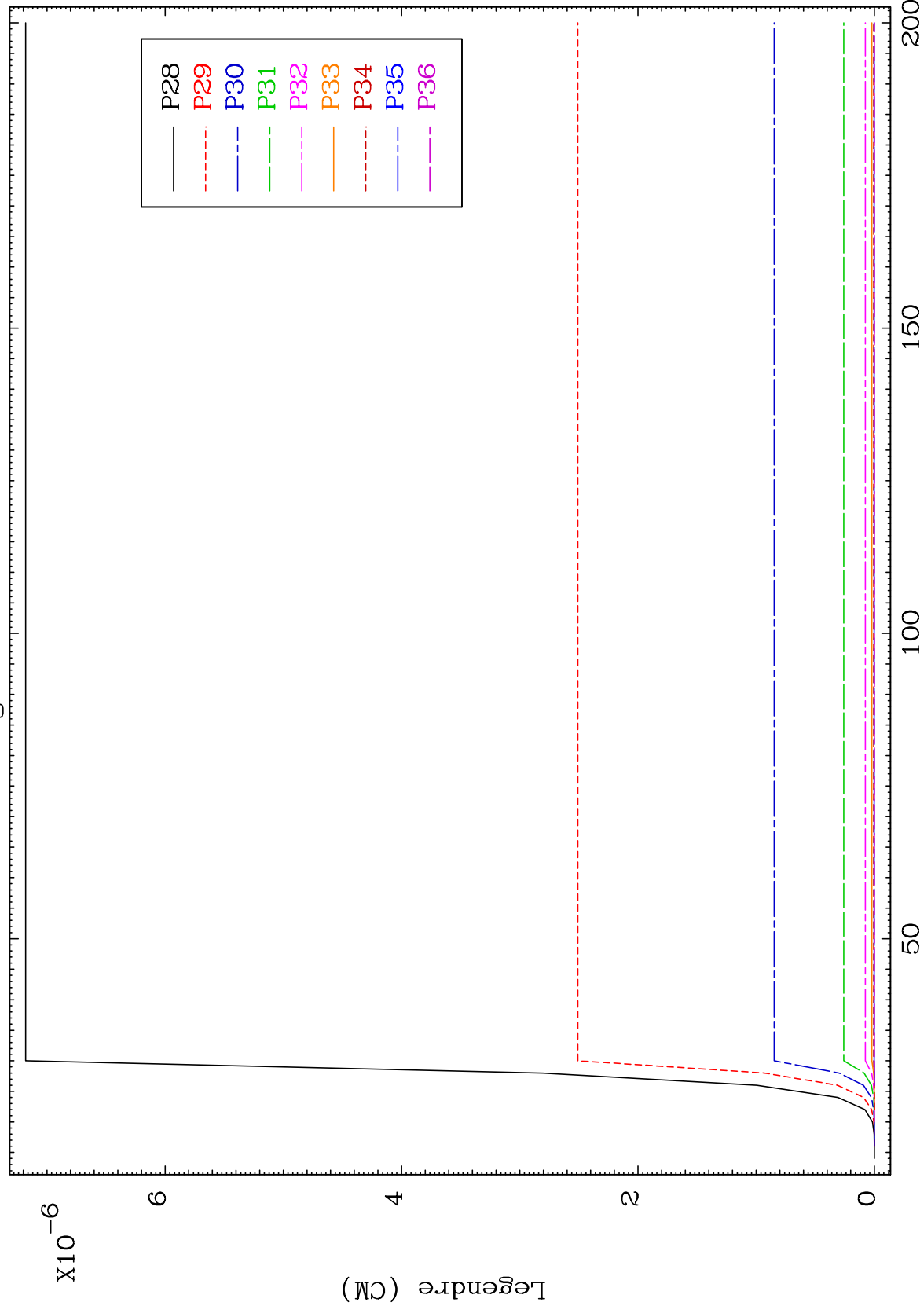
60-Nd-137



MAT 6010

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

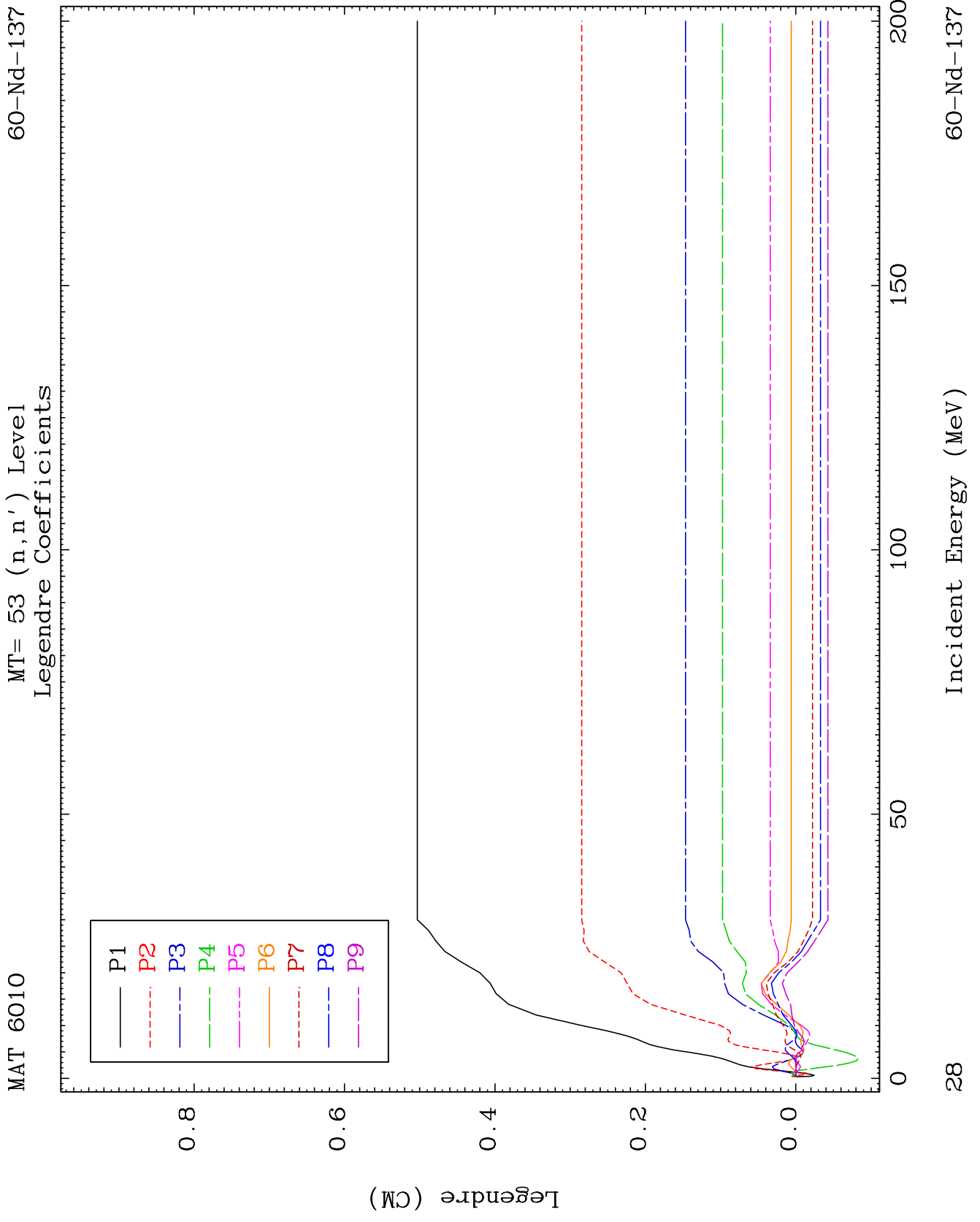
60-Nd-137

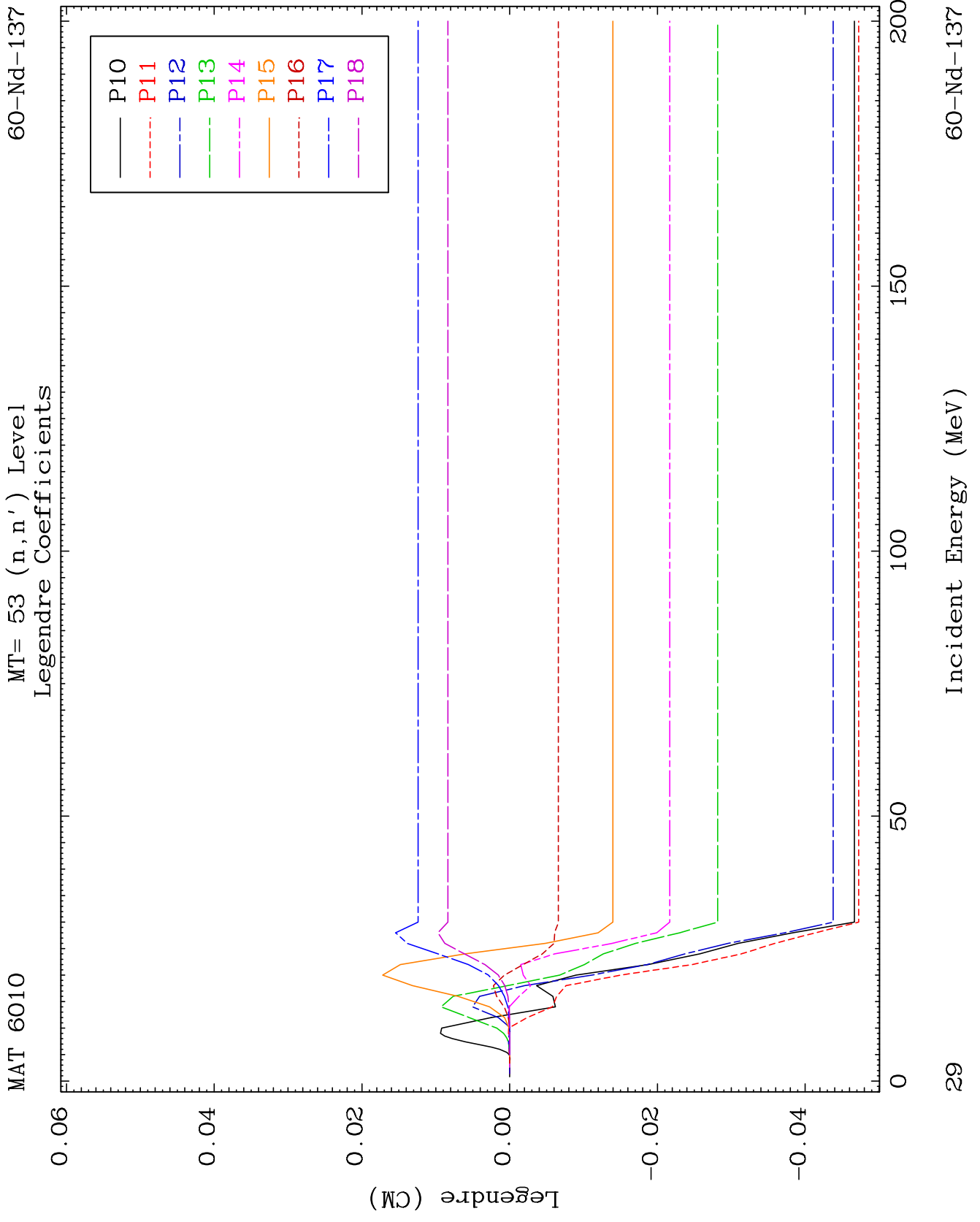


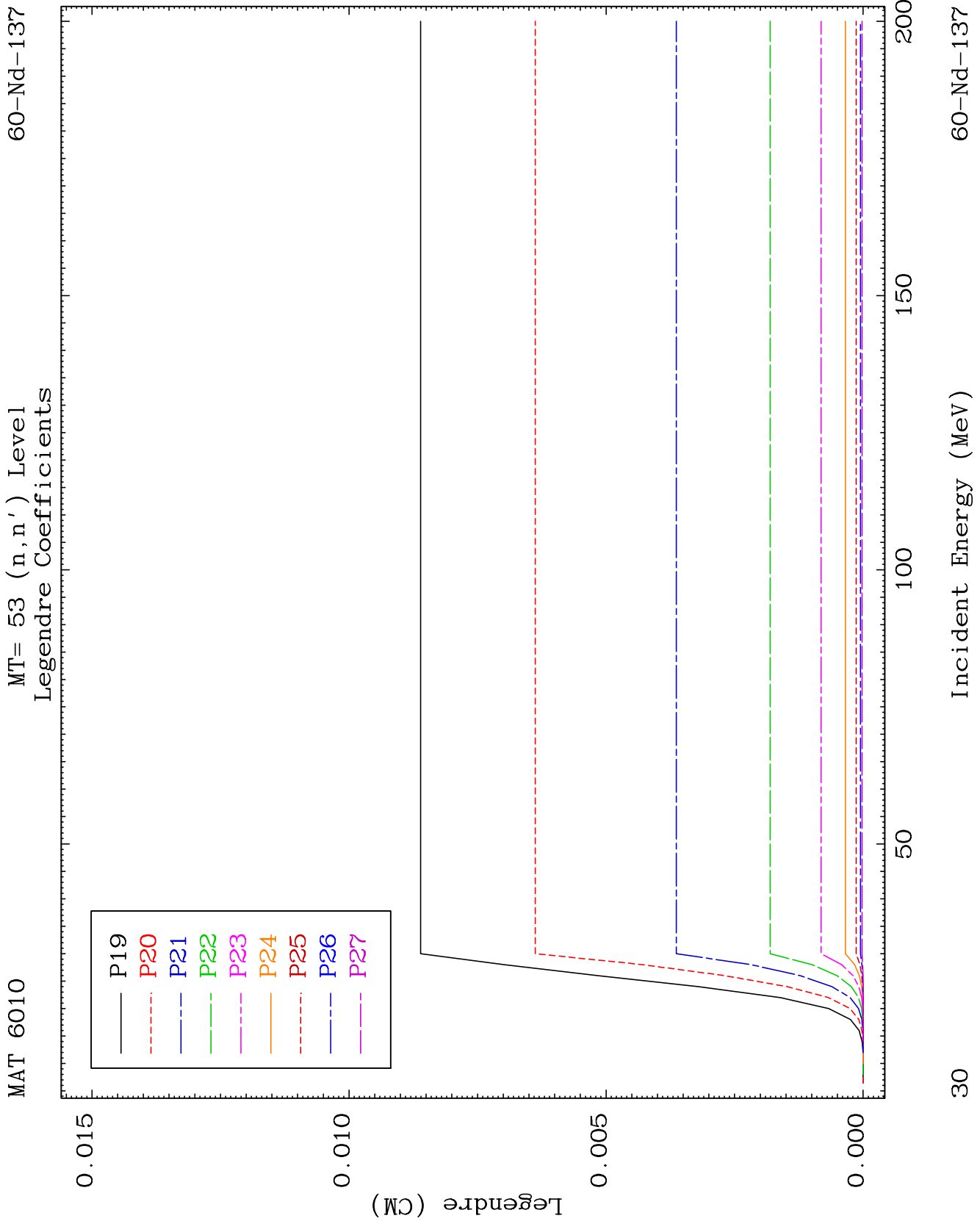
60-Nd-137

Incident Energy (MeV)

27



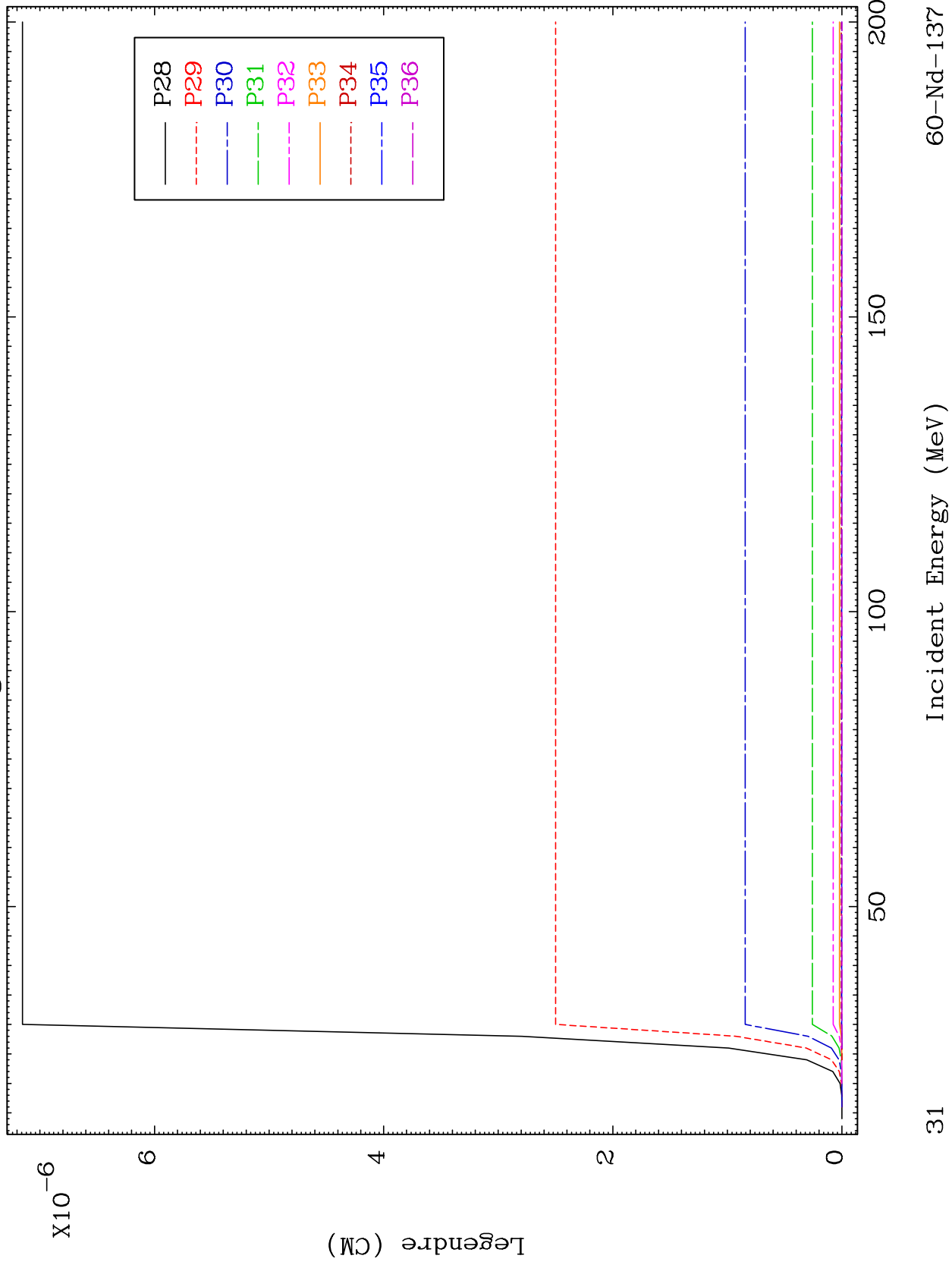




MAT 6010

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

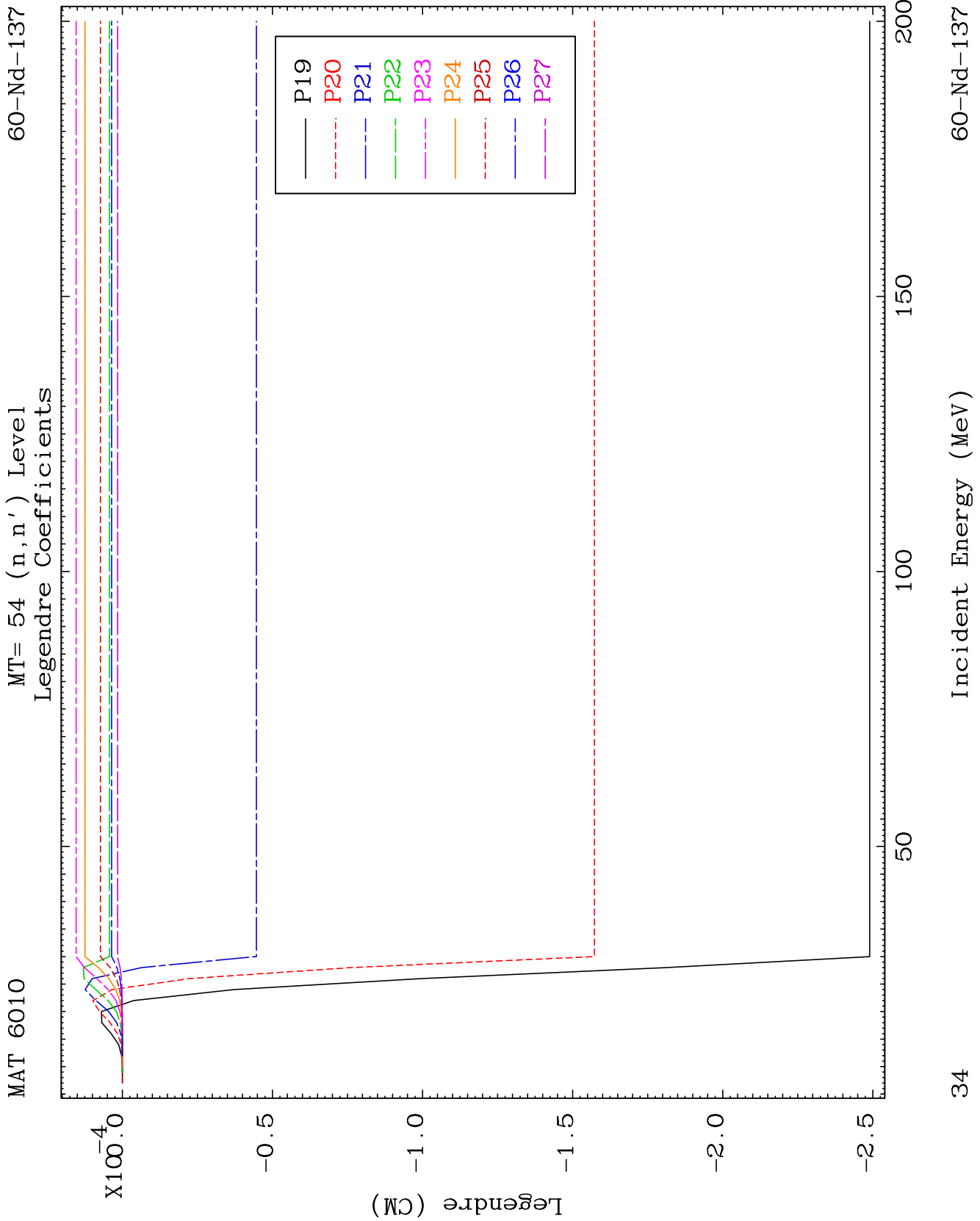
60-Nd-137



31

Incident Energy (MeV)

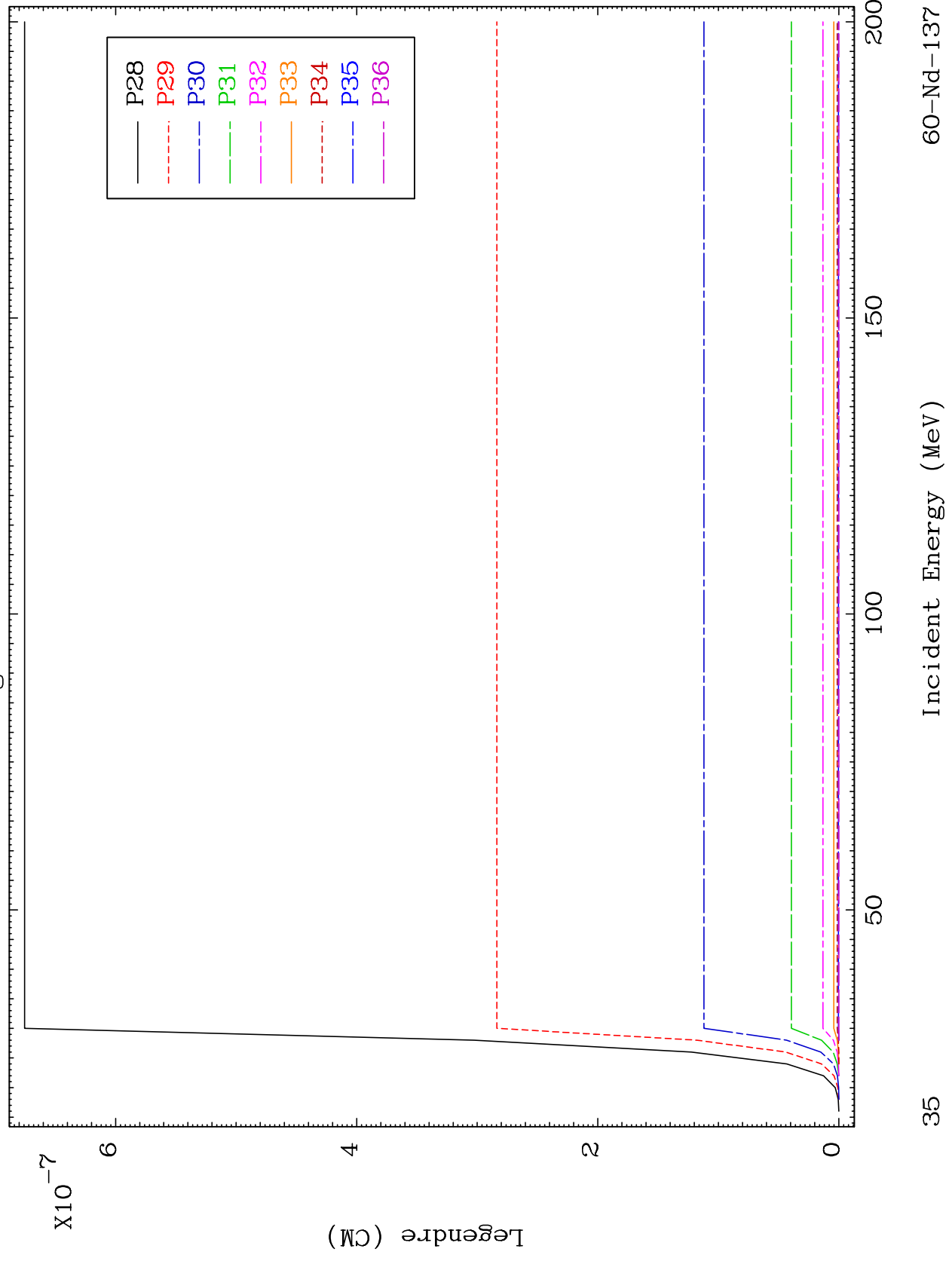
60-Nd-137

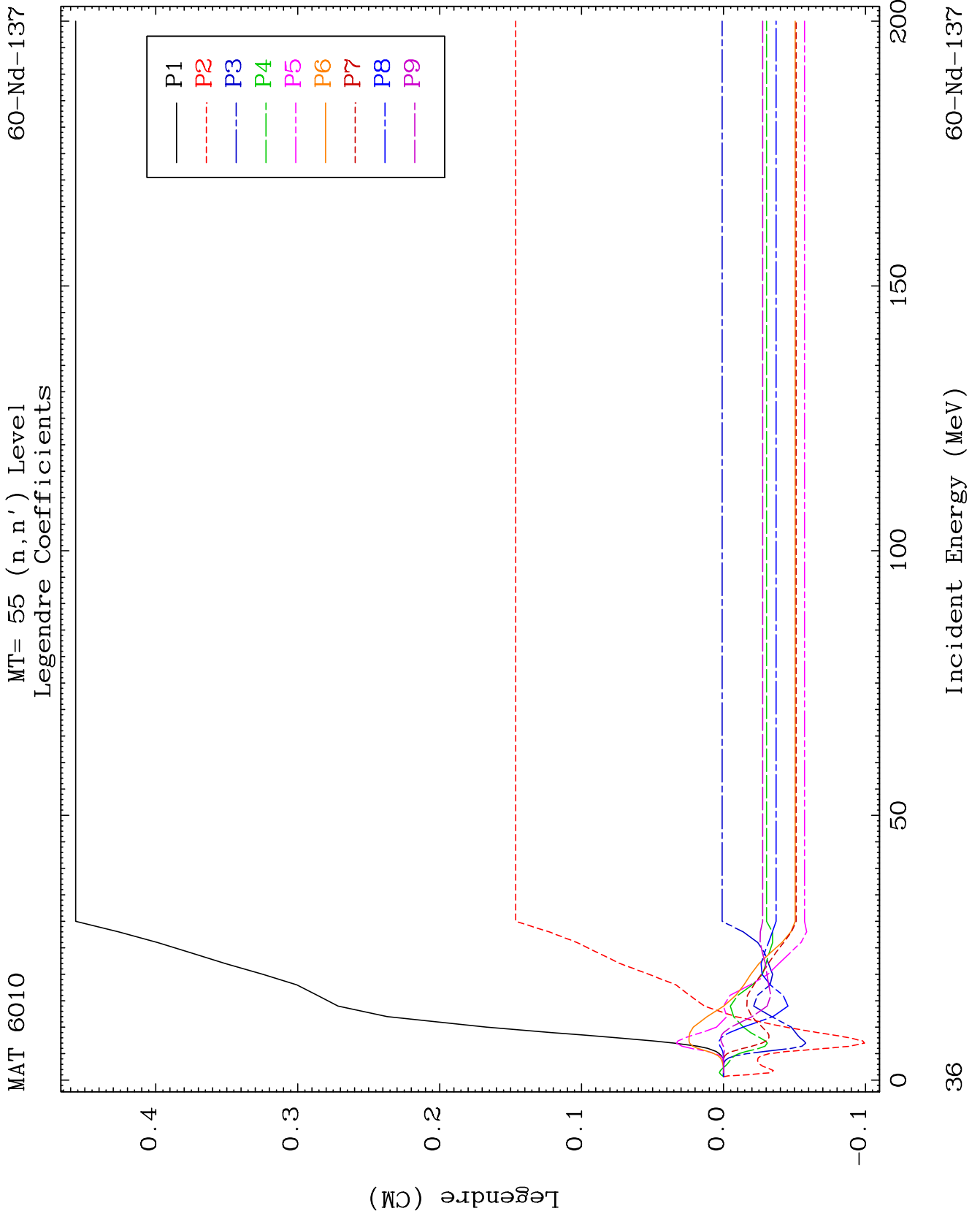


MAT 6010

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

60-Nd-137

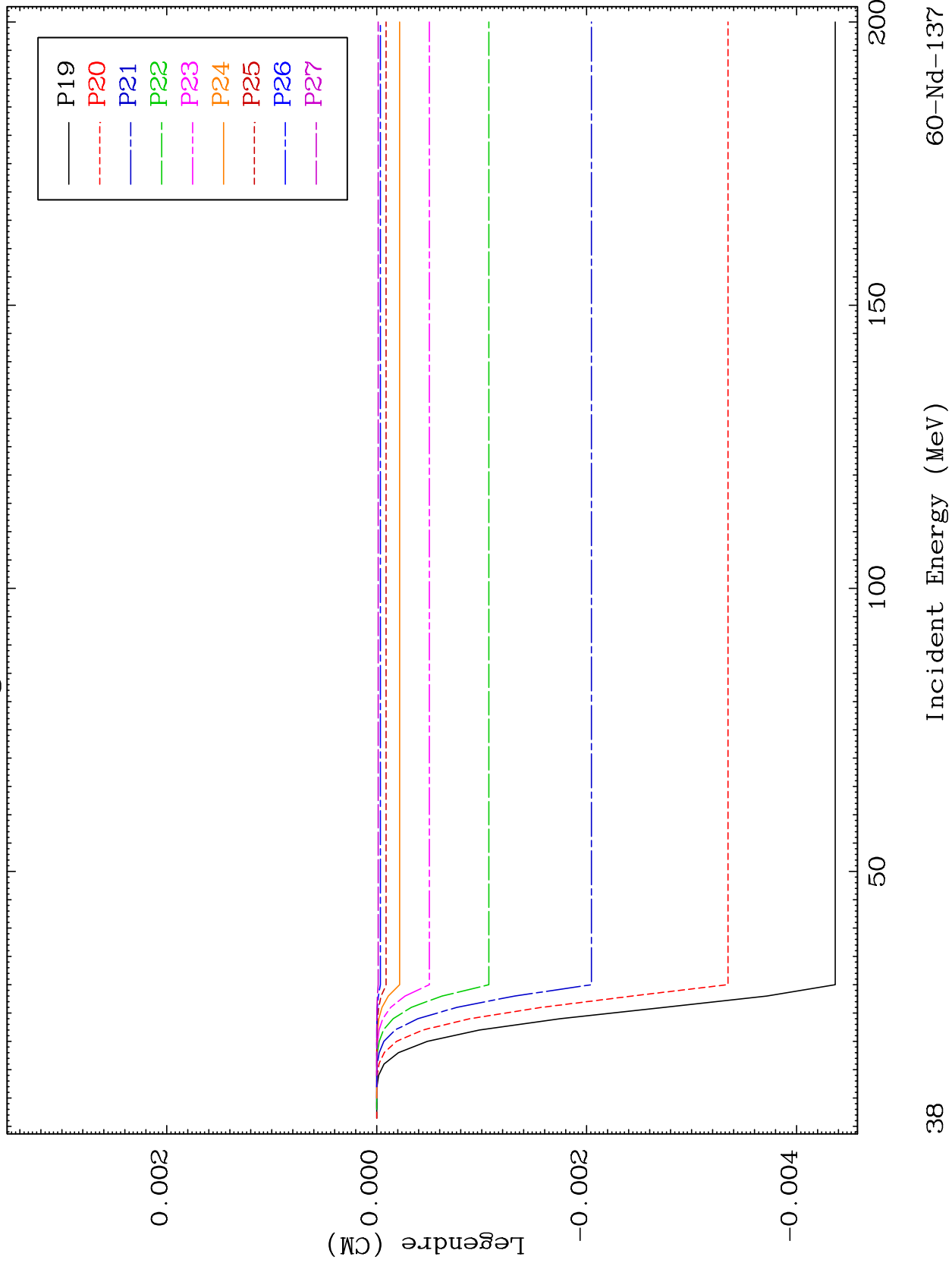




MAT 6010

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

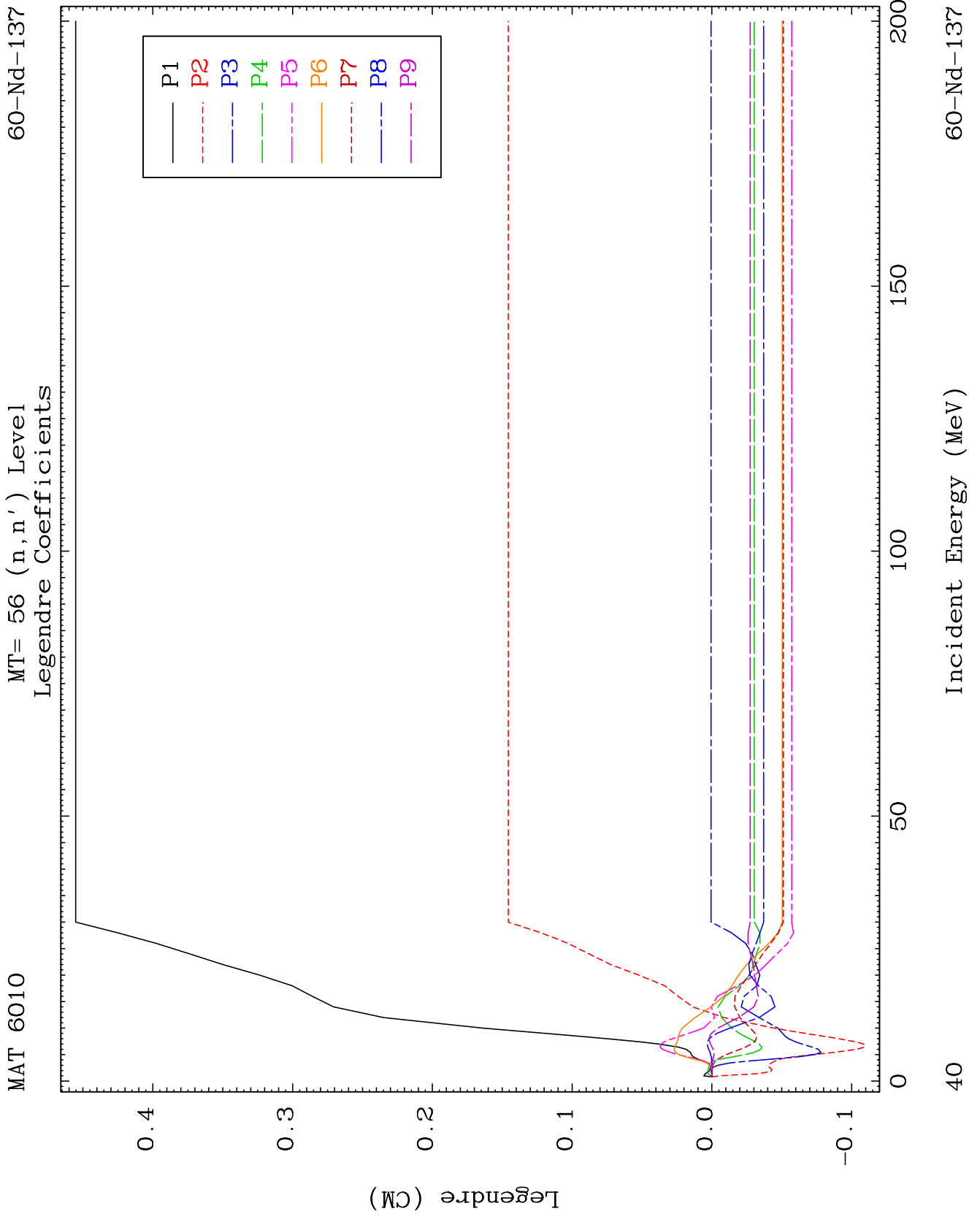
60-Nd-137



38

Incident Energy (MeV)

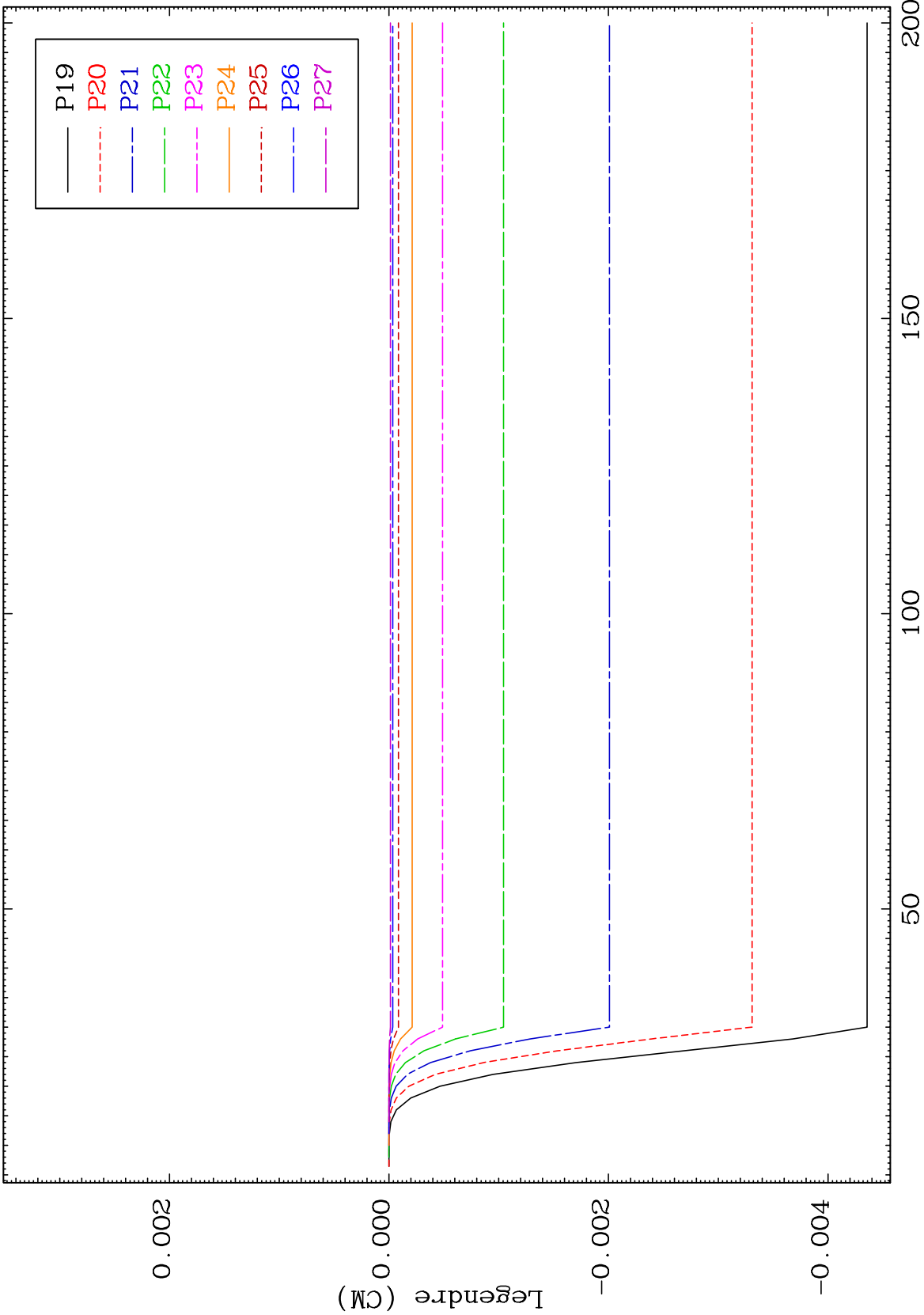
60-Nd-137



MAT 6010

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

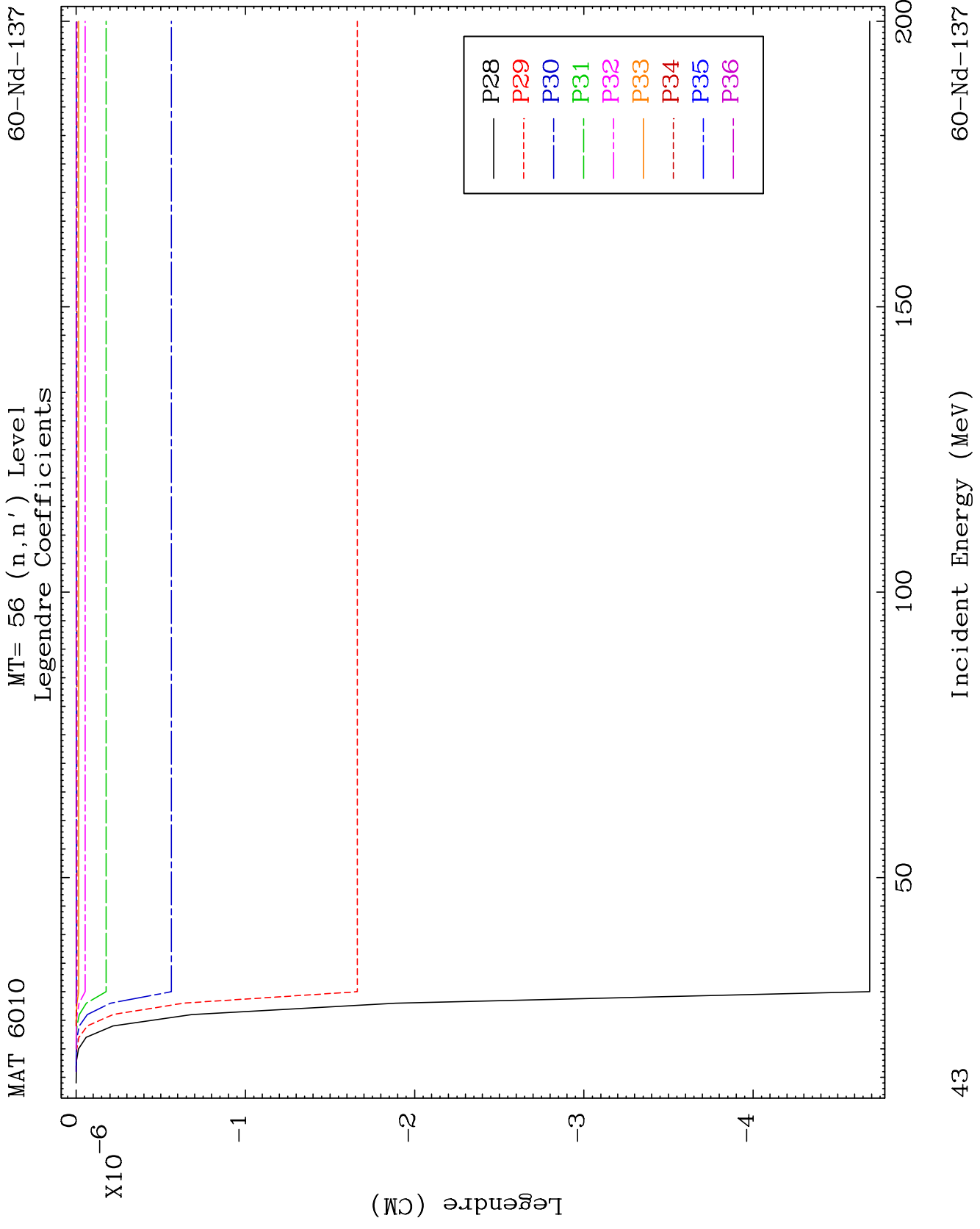
60-Nd-137

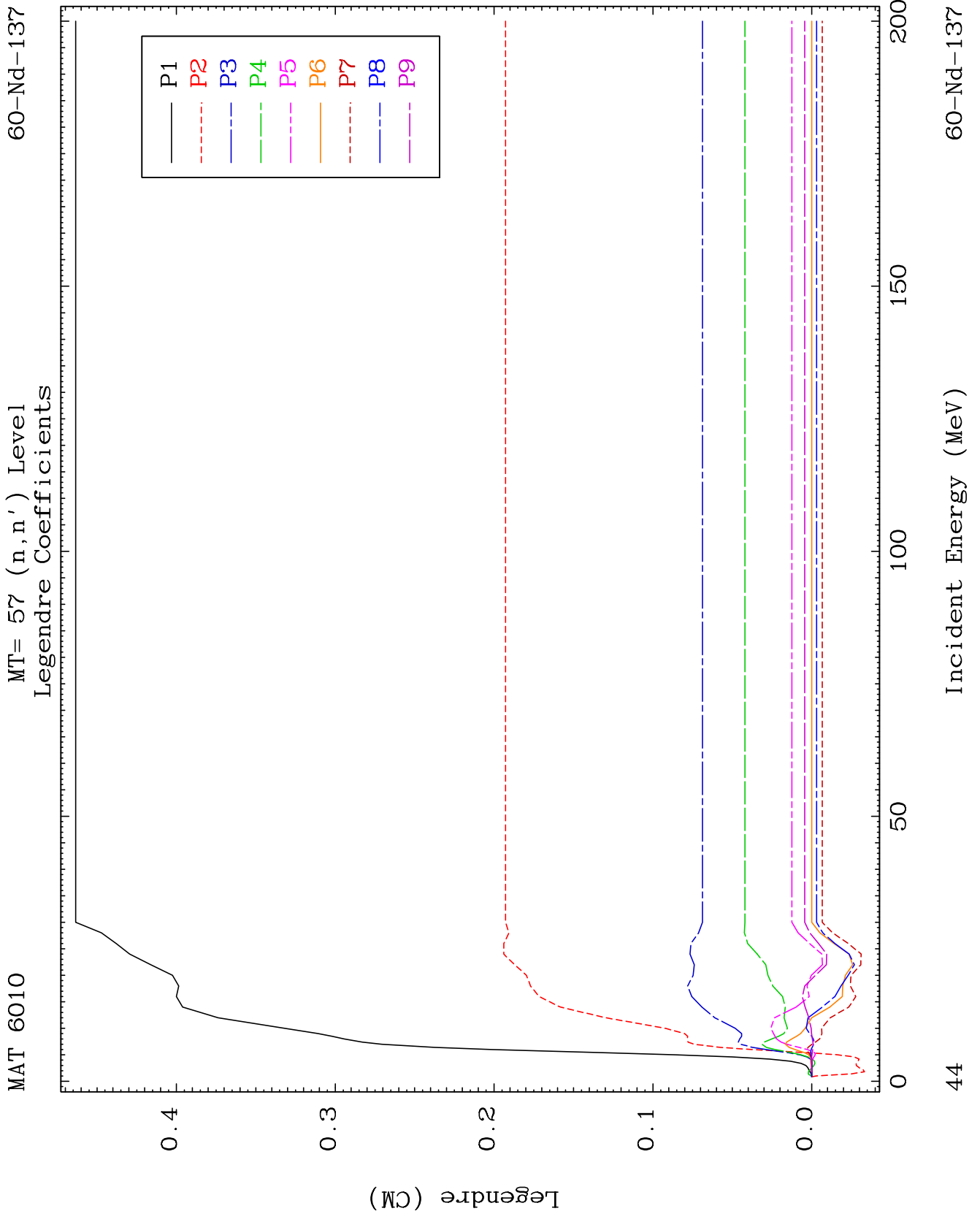


42

Incident Energy (MeV)

60-Nd-137

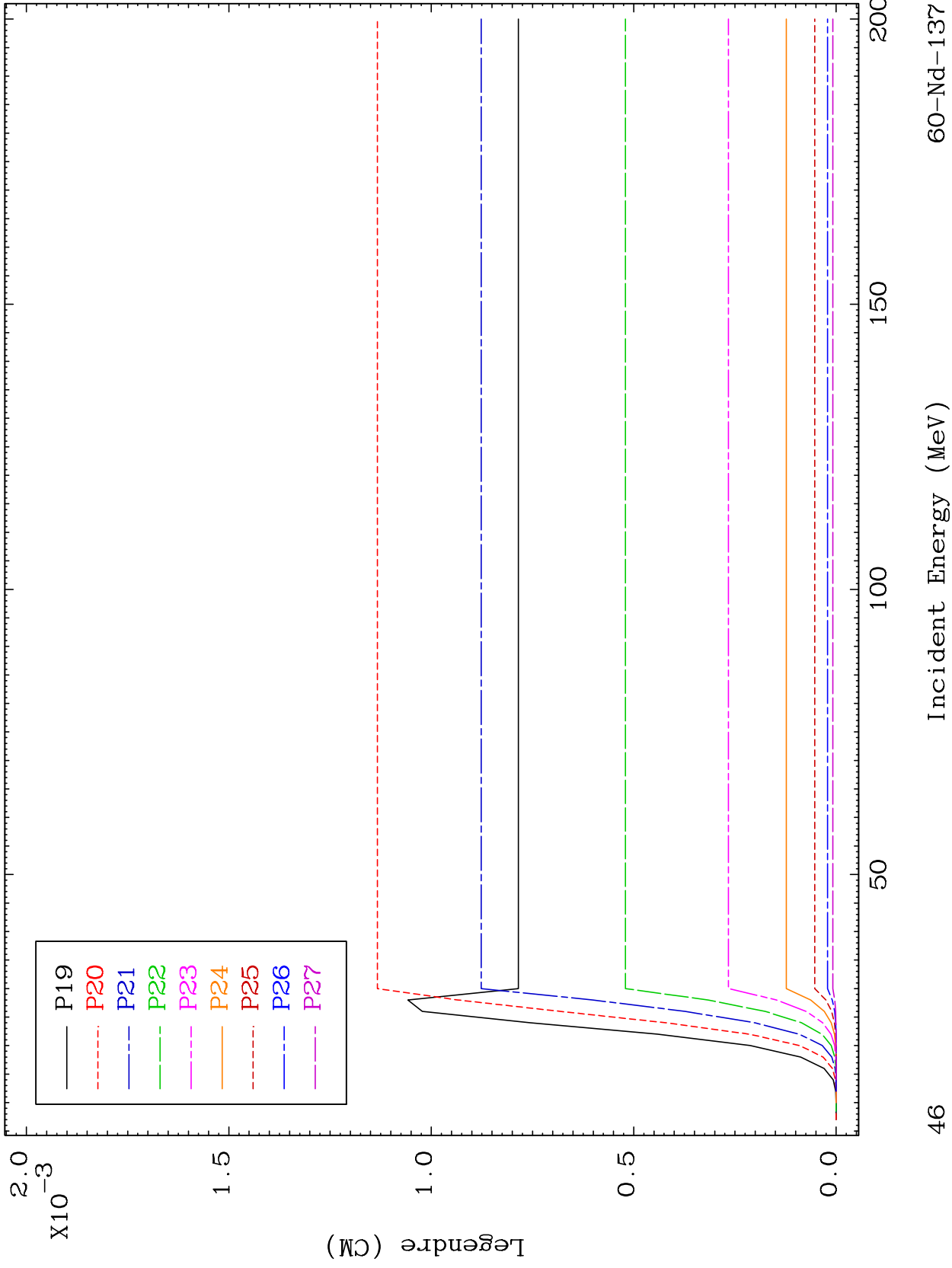




MAT 6010

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

60-Nd-137



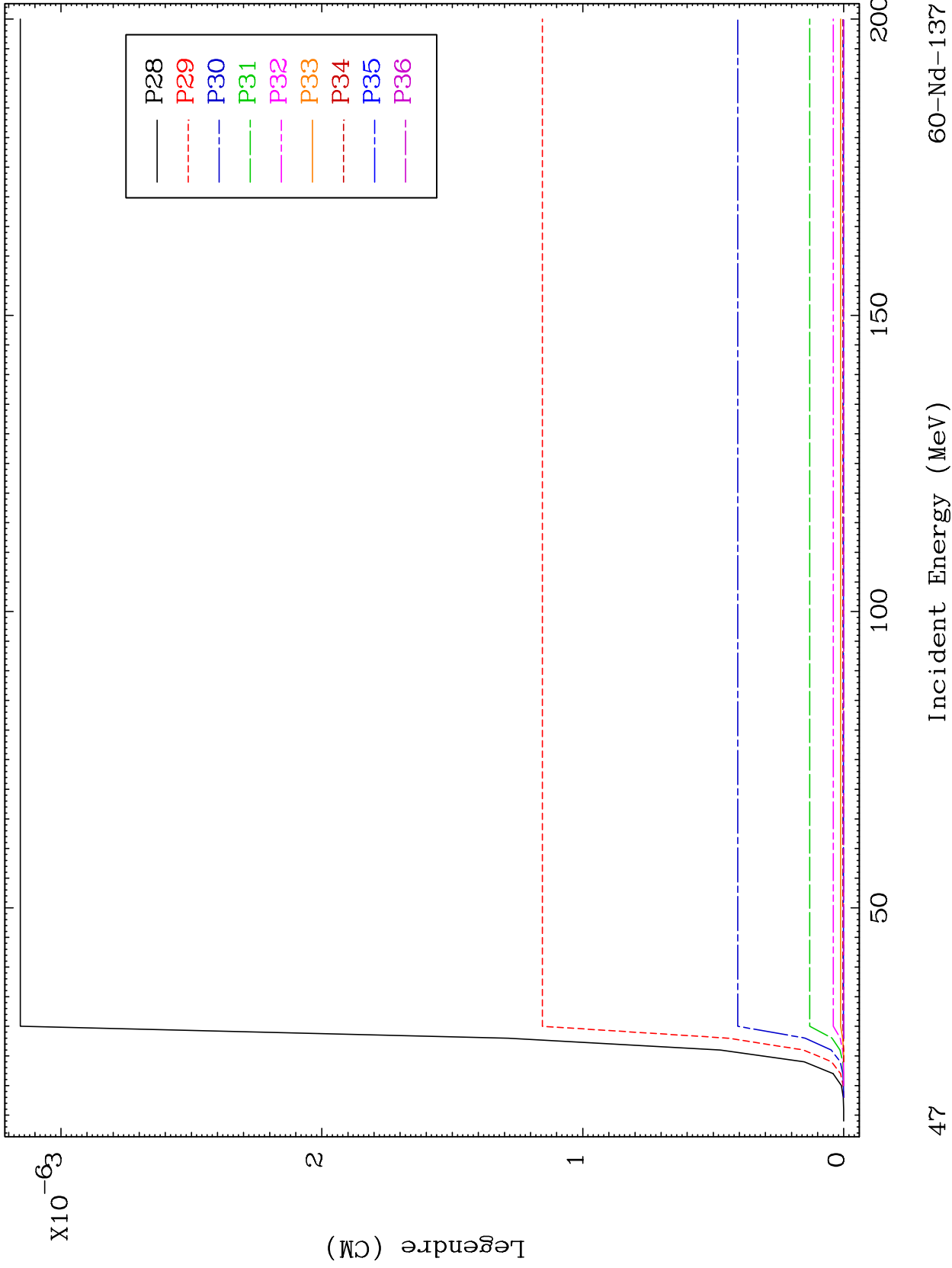
46

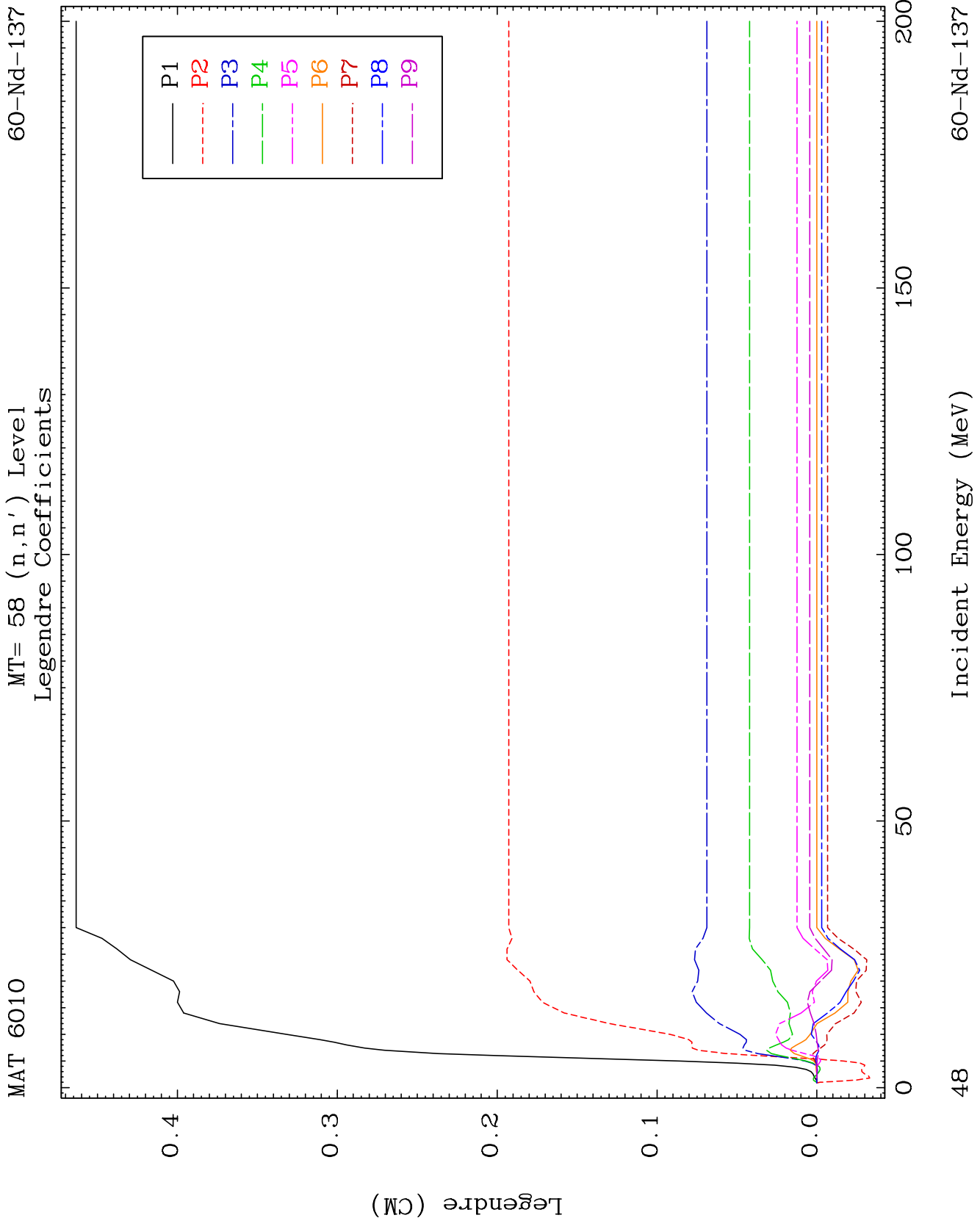
200

MAT 6010

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

60-Nd-137

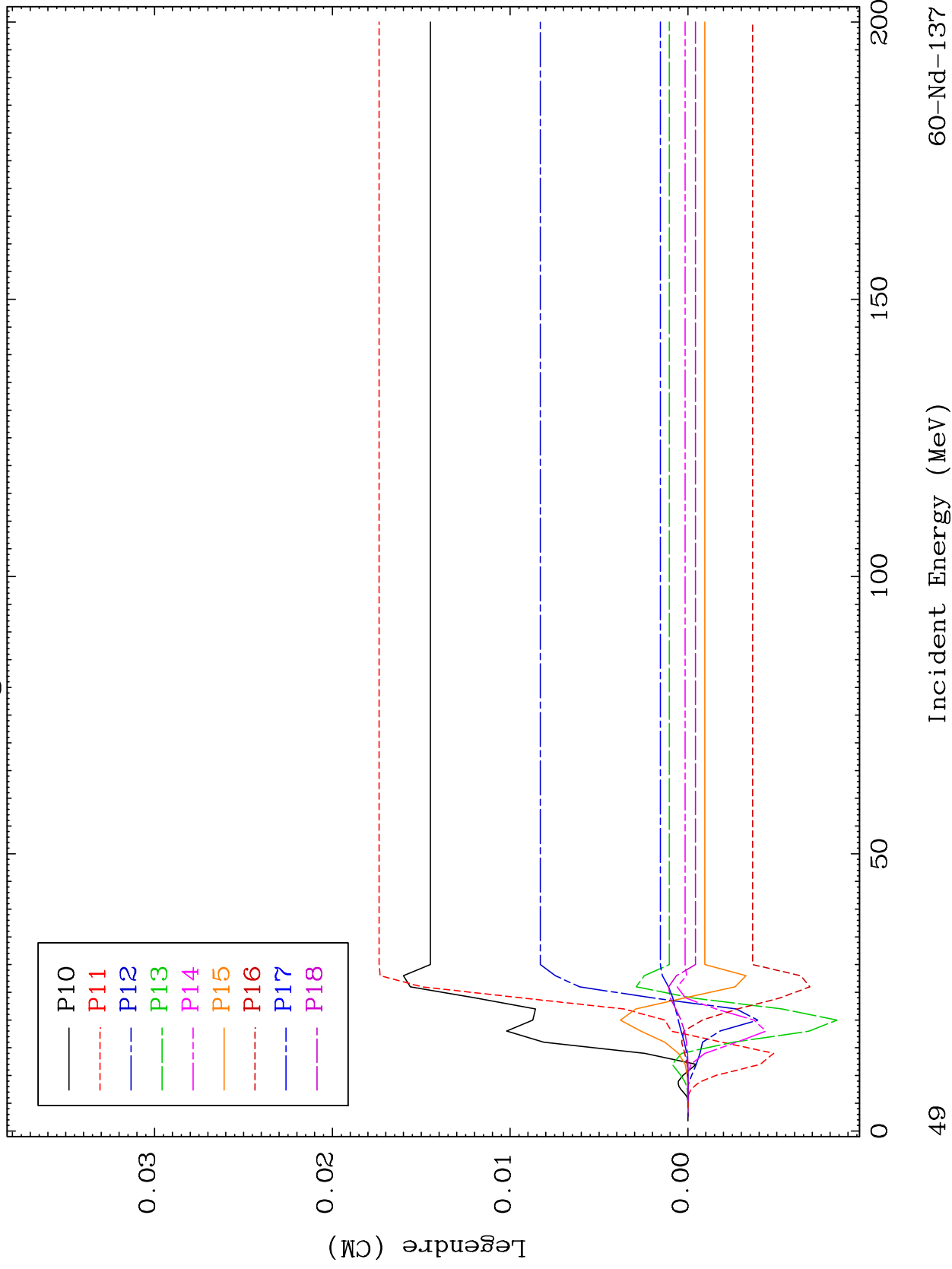




MAT 6010

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

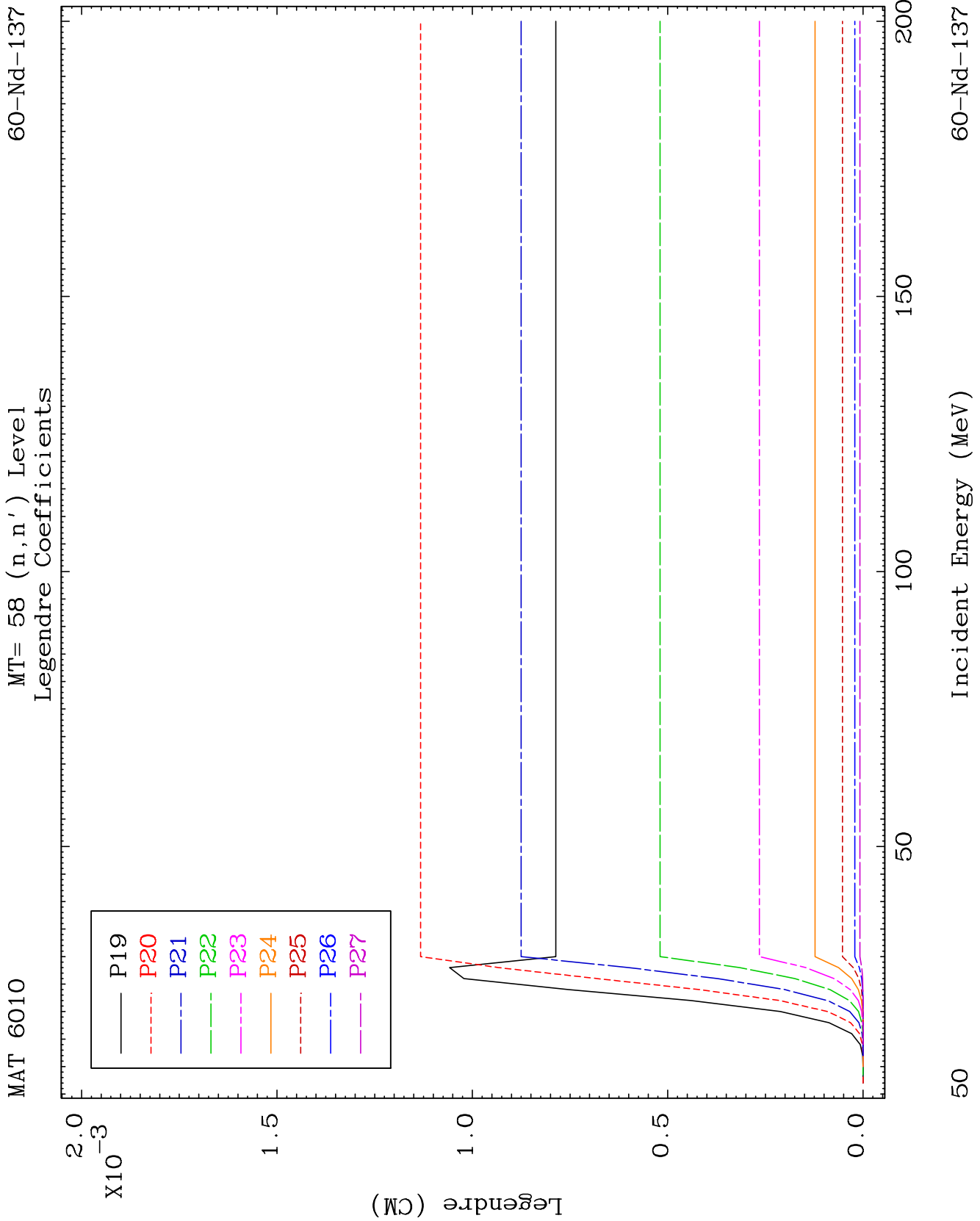
60-Nd-137



49

Incident Energy (MeV)

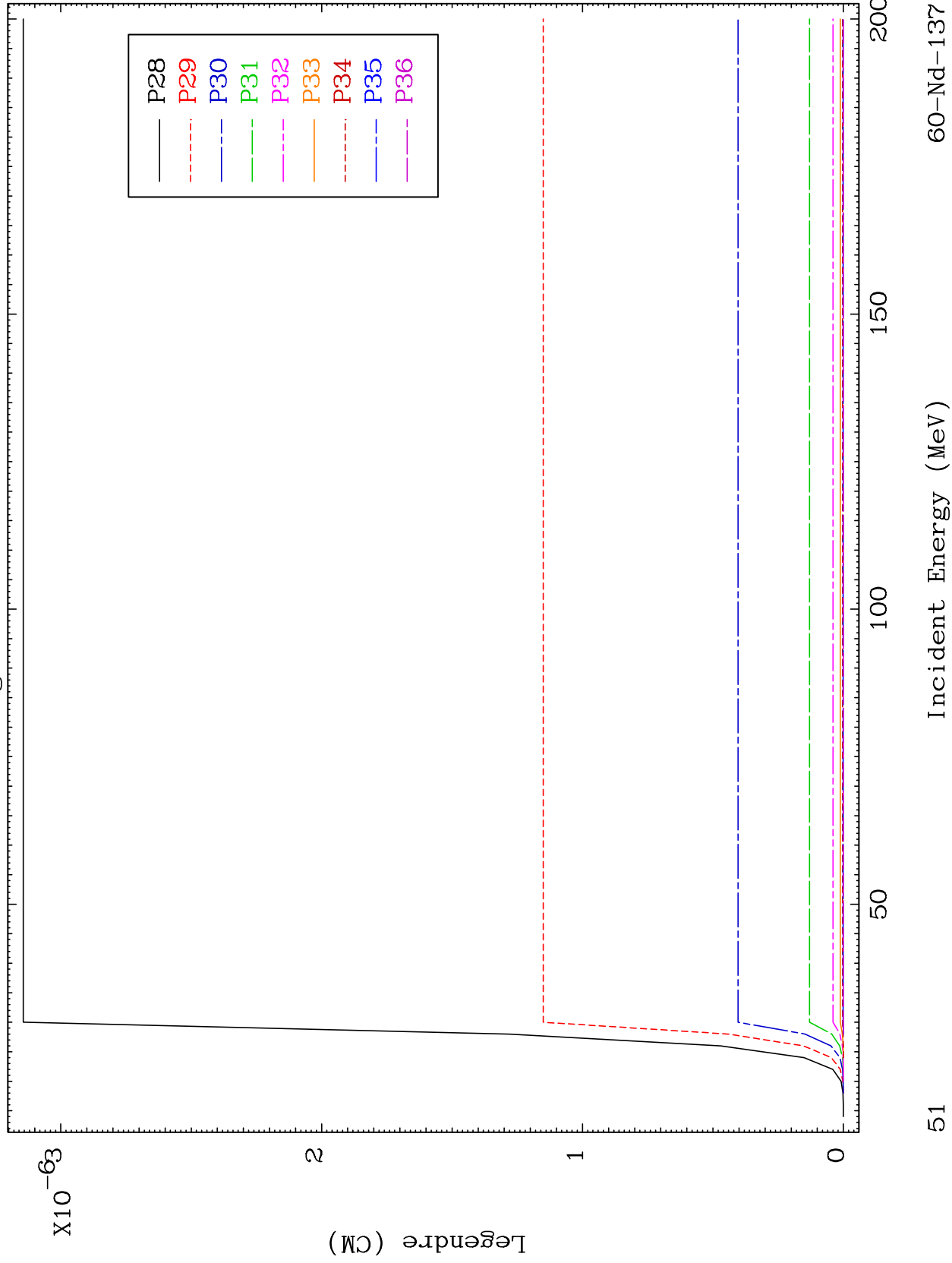
60-Nd-137



MAT 6010

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

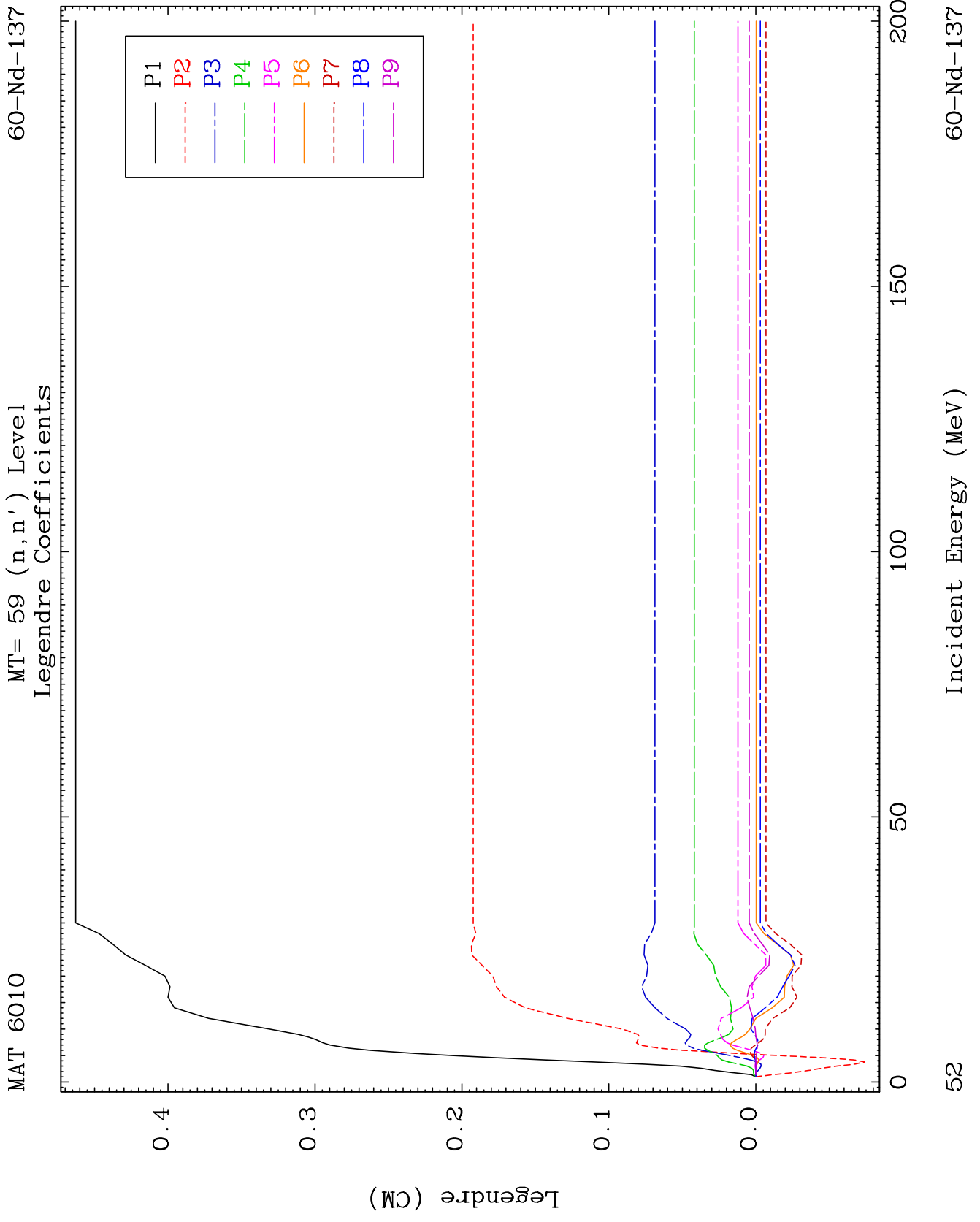
60-Nd-137



51

Incident Energy (MeV)

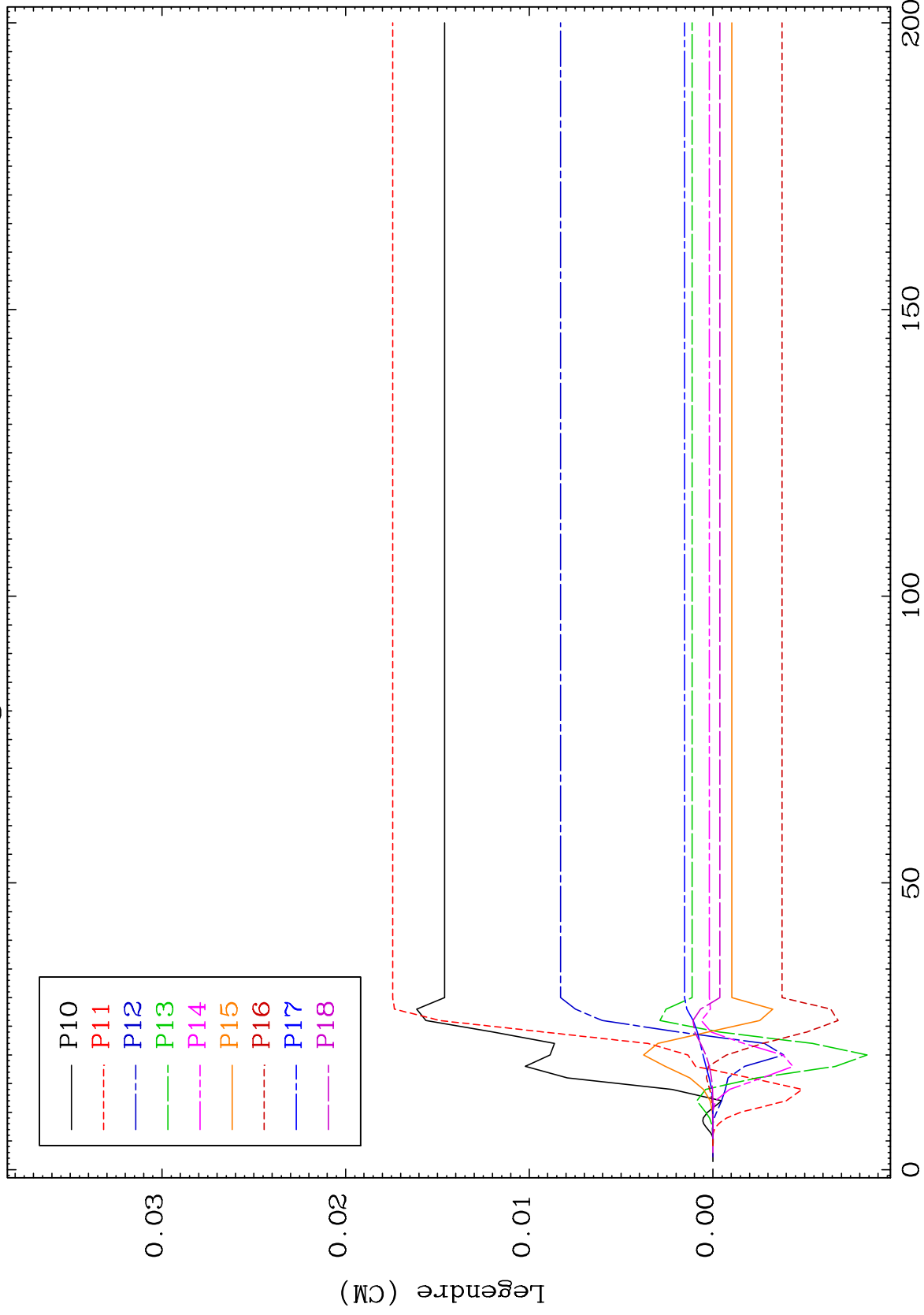
60-Nd-137



MAT 6010

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

60-Nd-137



53

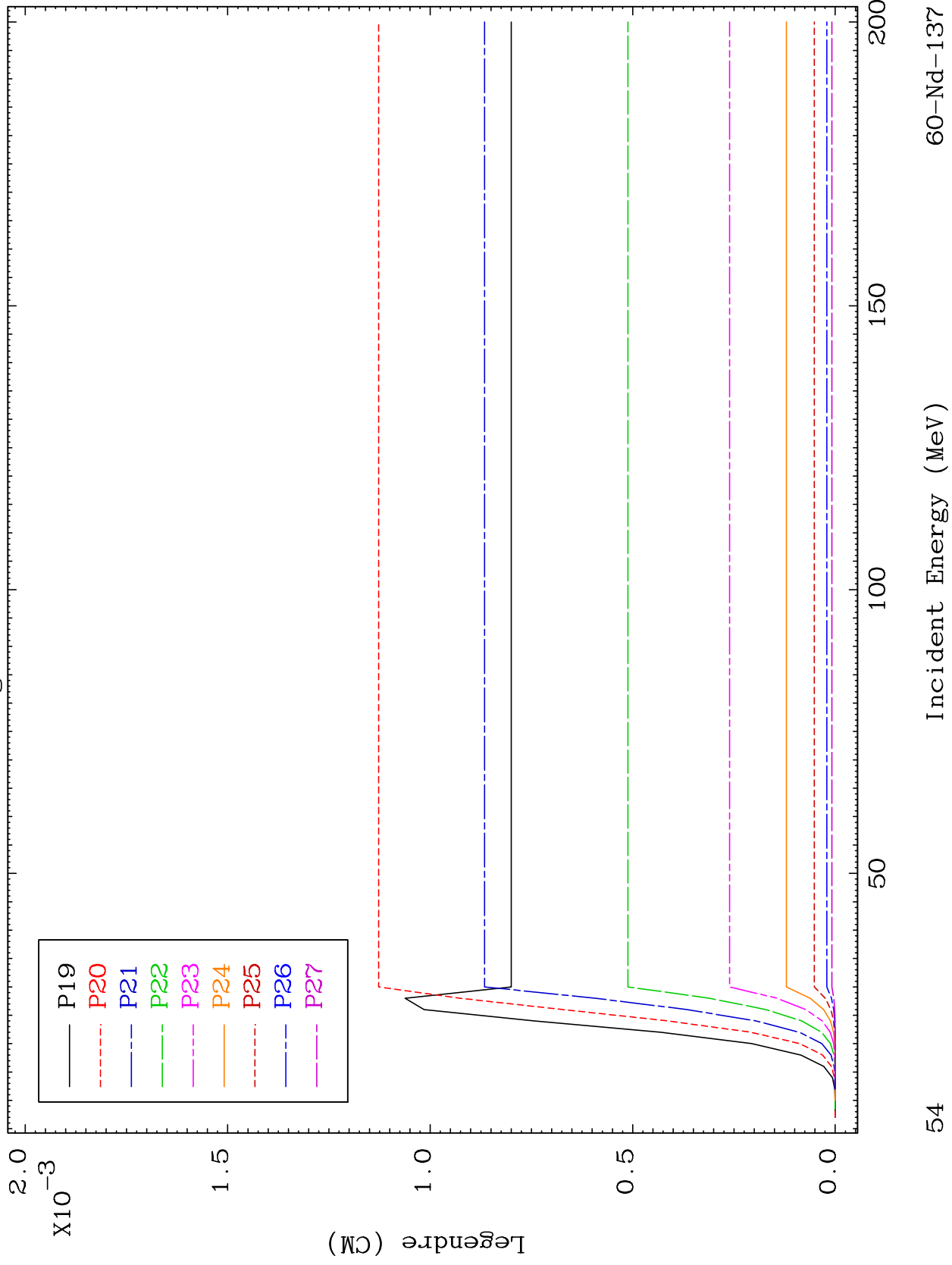
Incident Energy (MeV)

60-Nd-137

MAT 6010

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

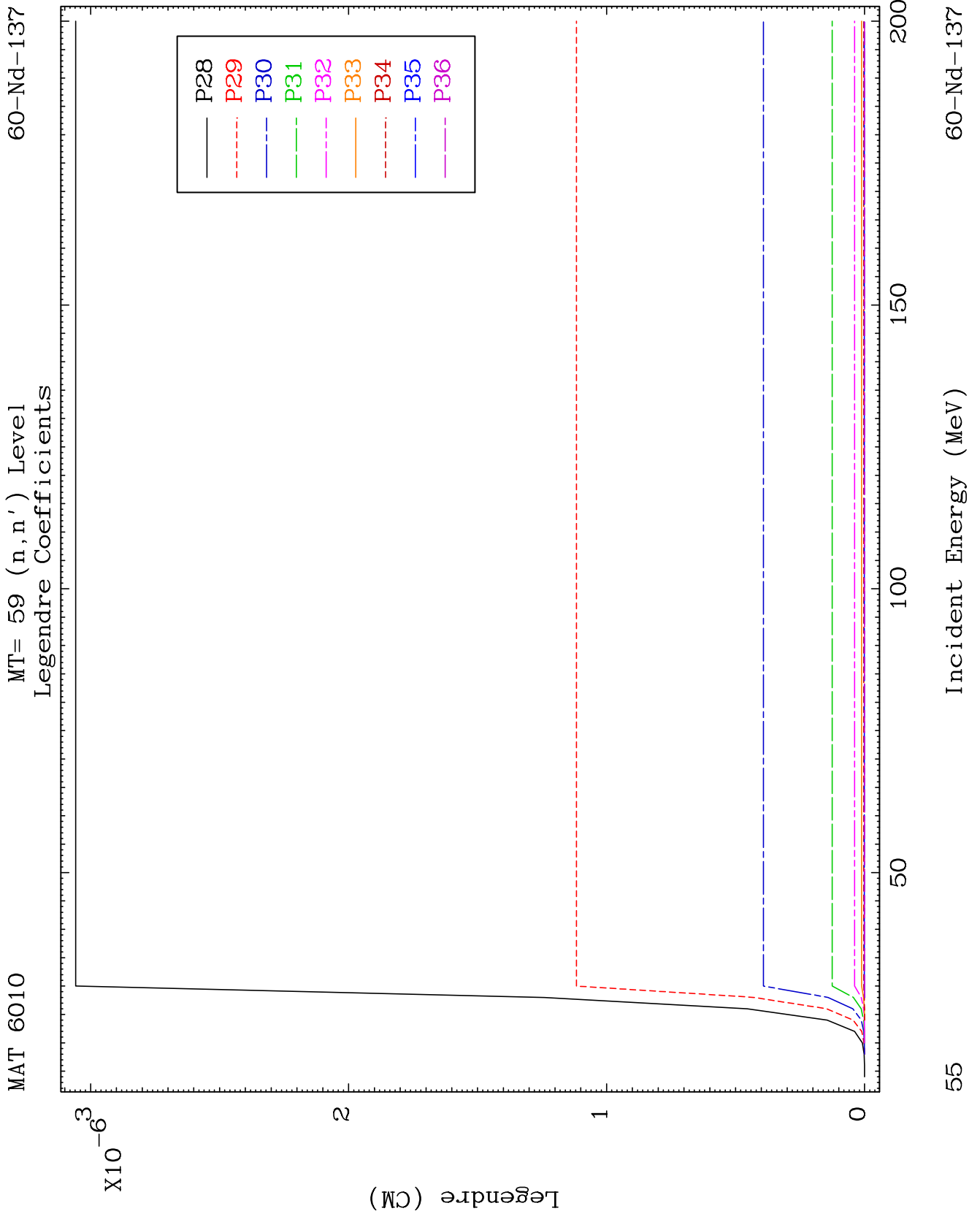
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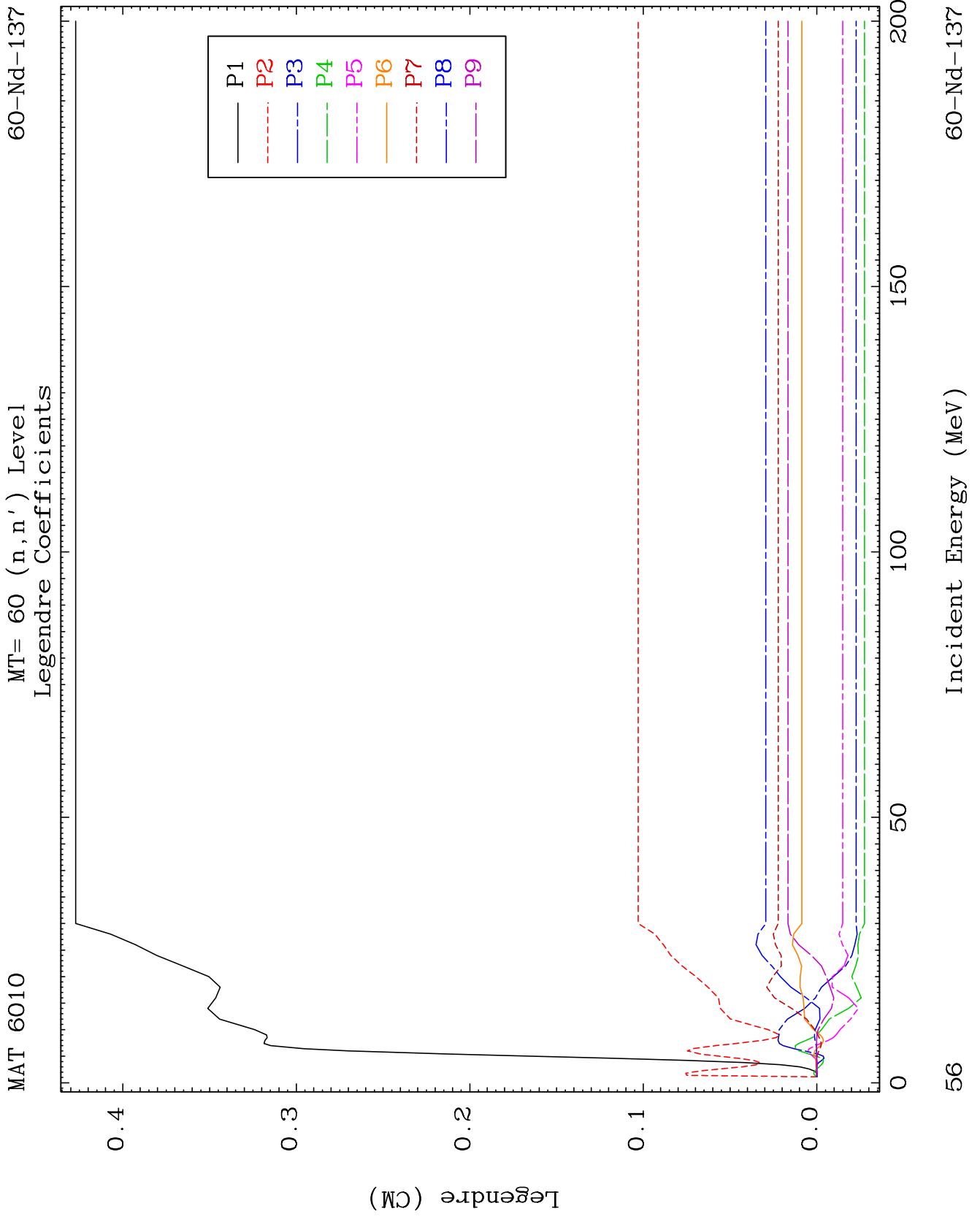


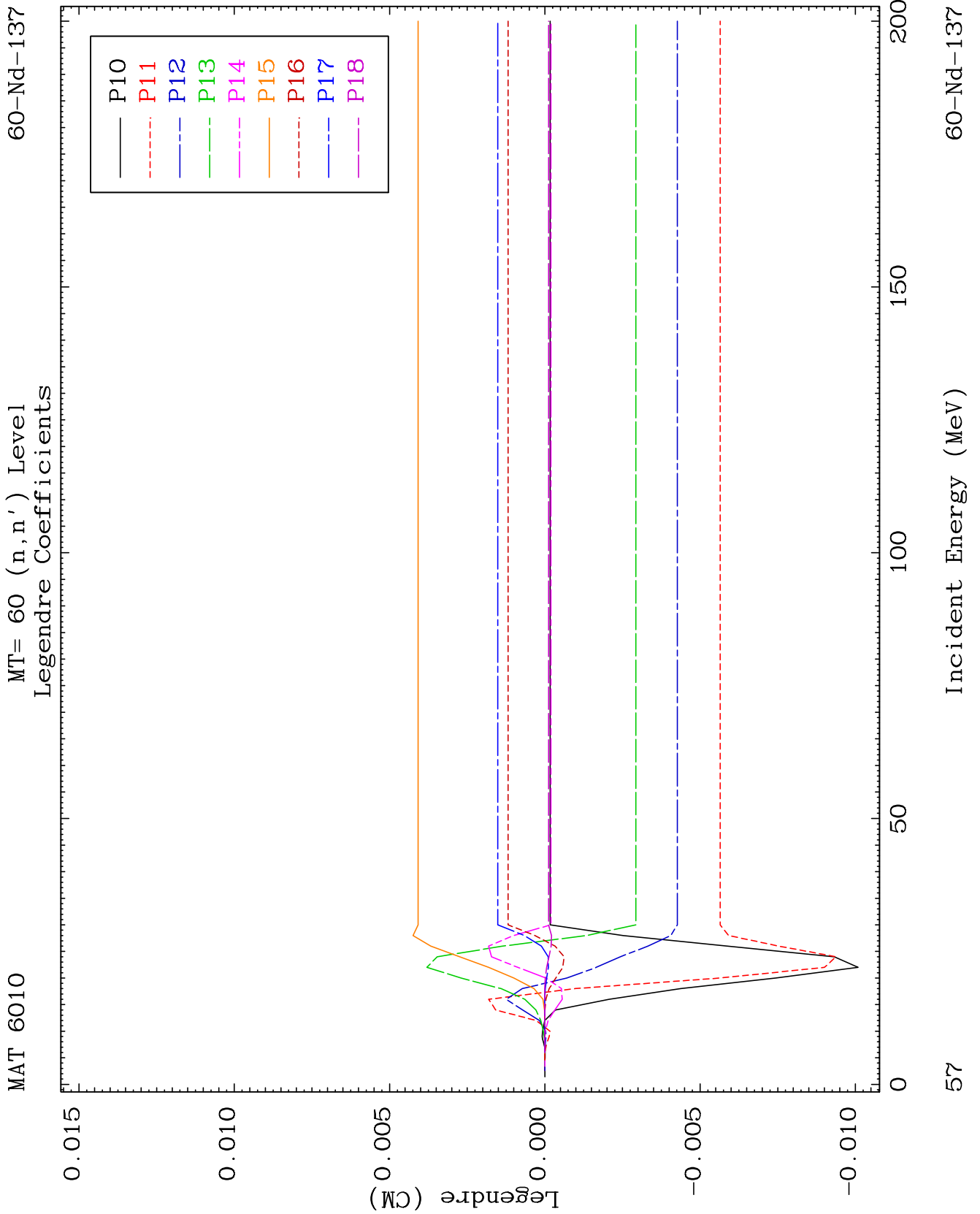
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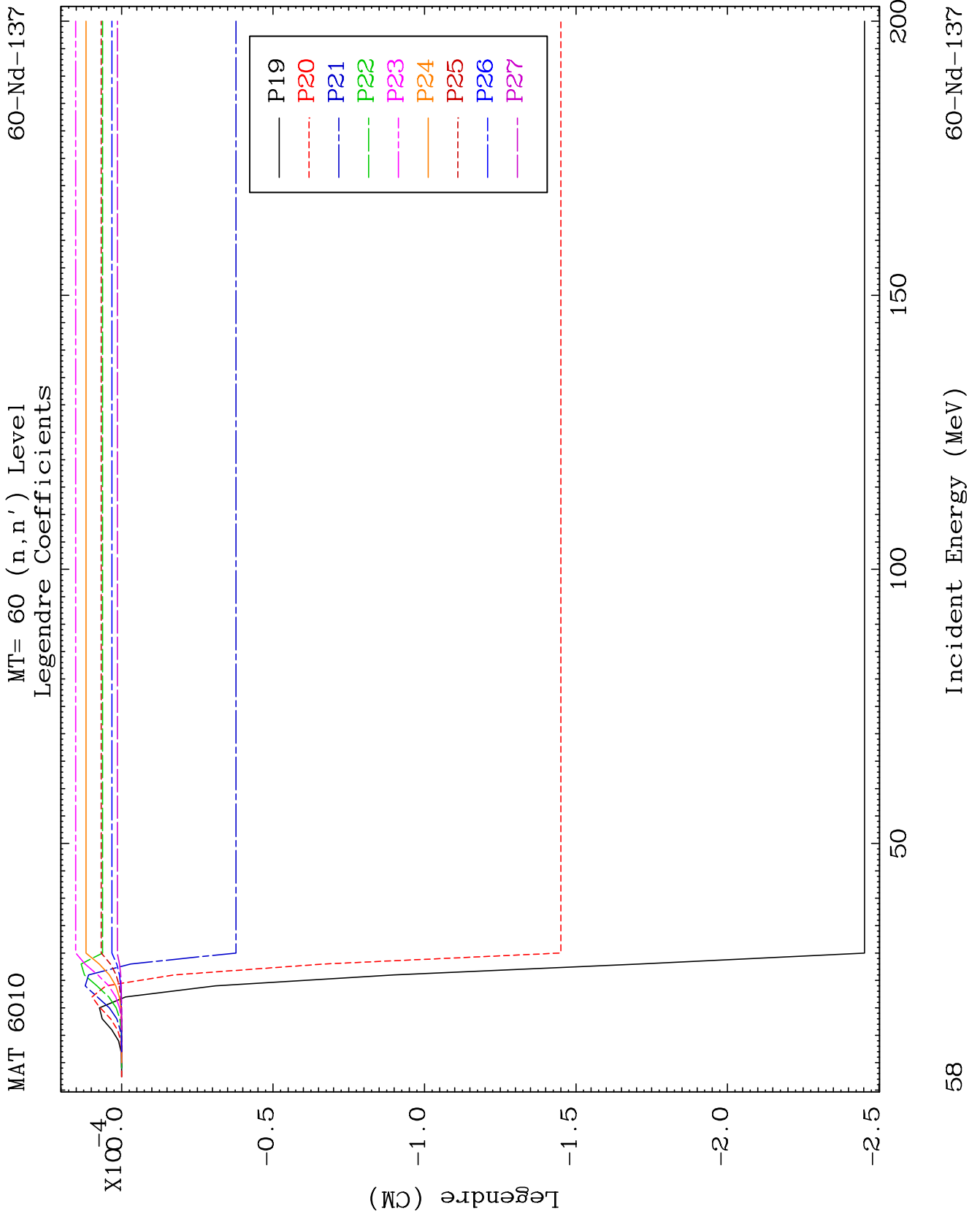
Incident Energy (MeV)

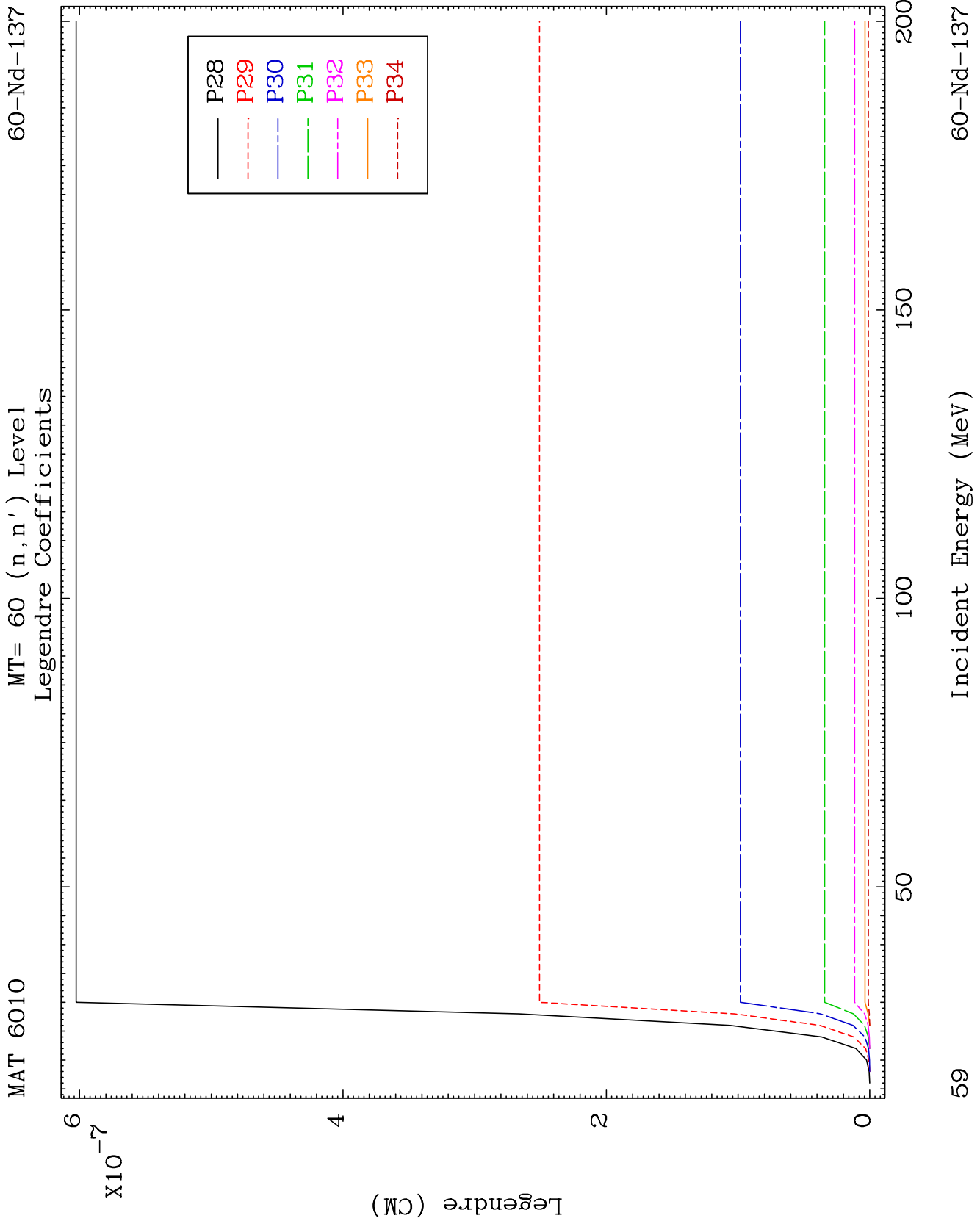
60-Nd-137

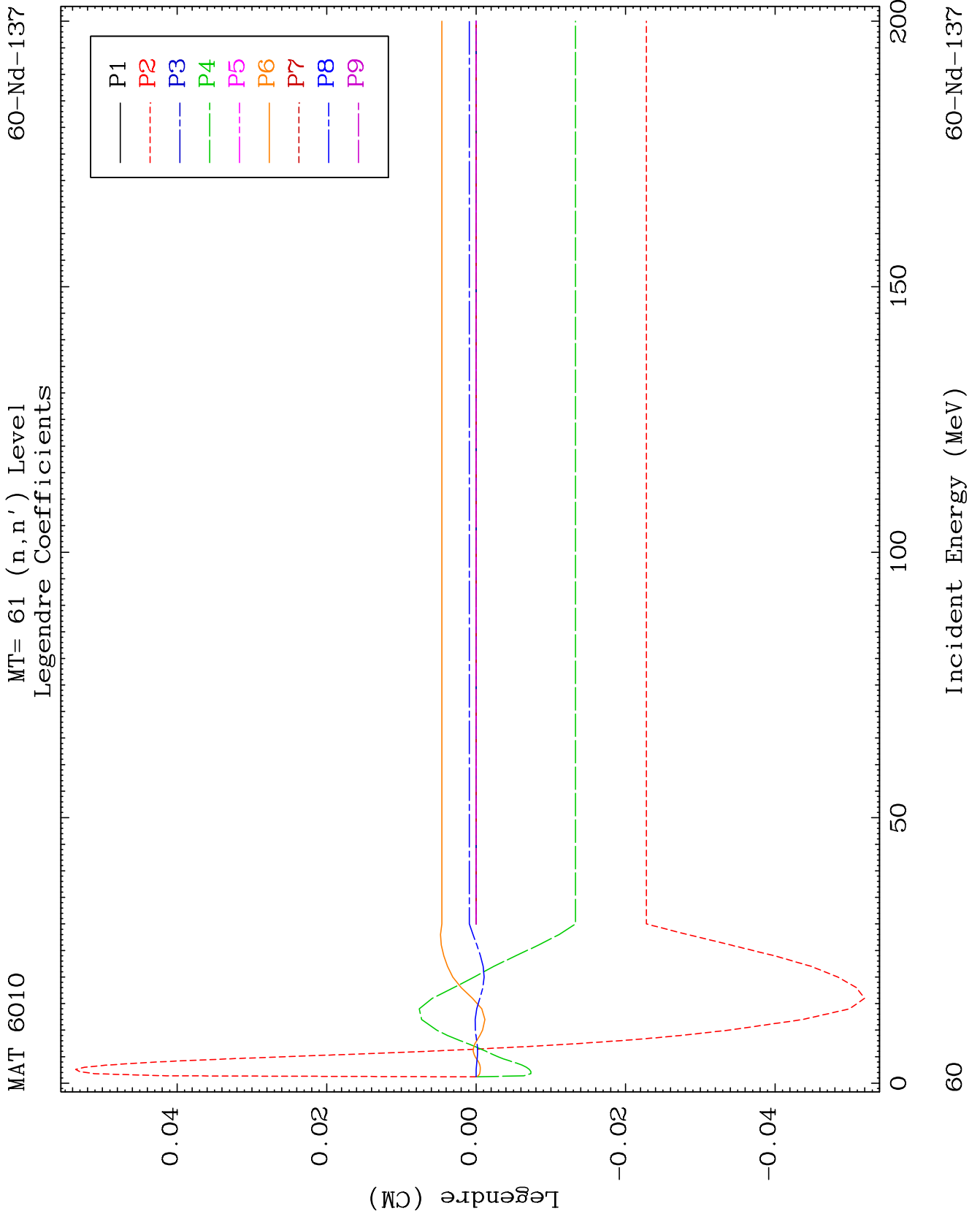


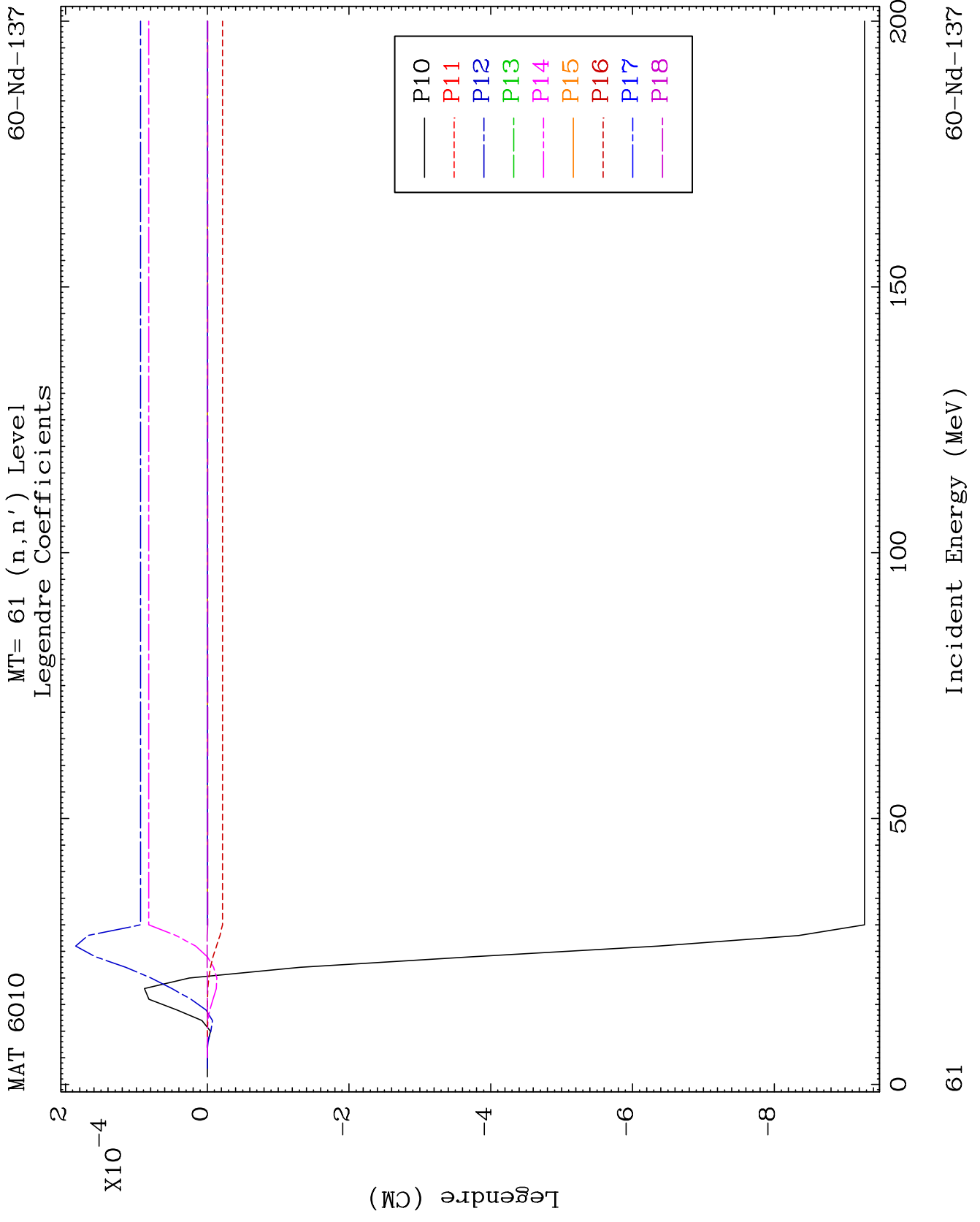


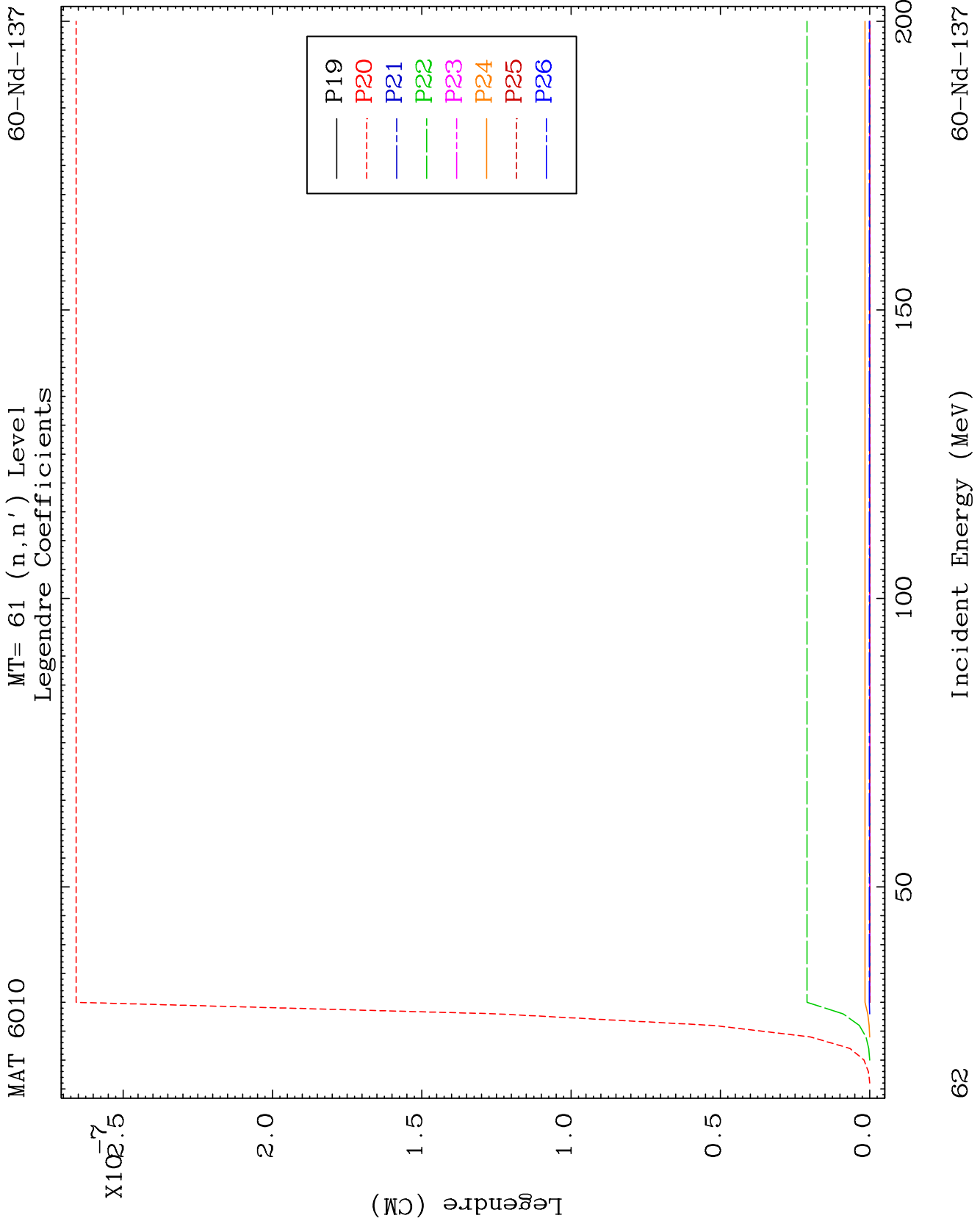


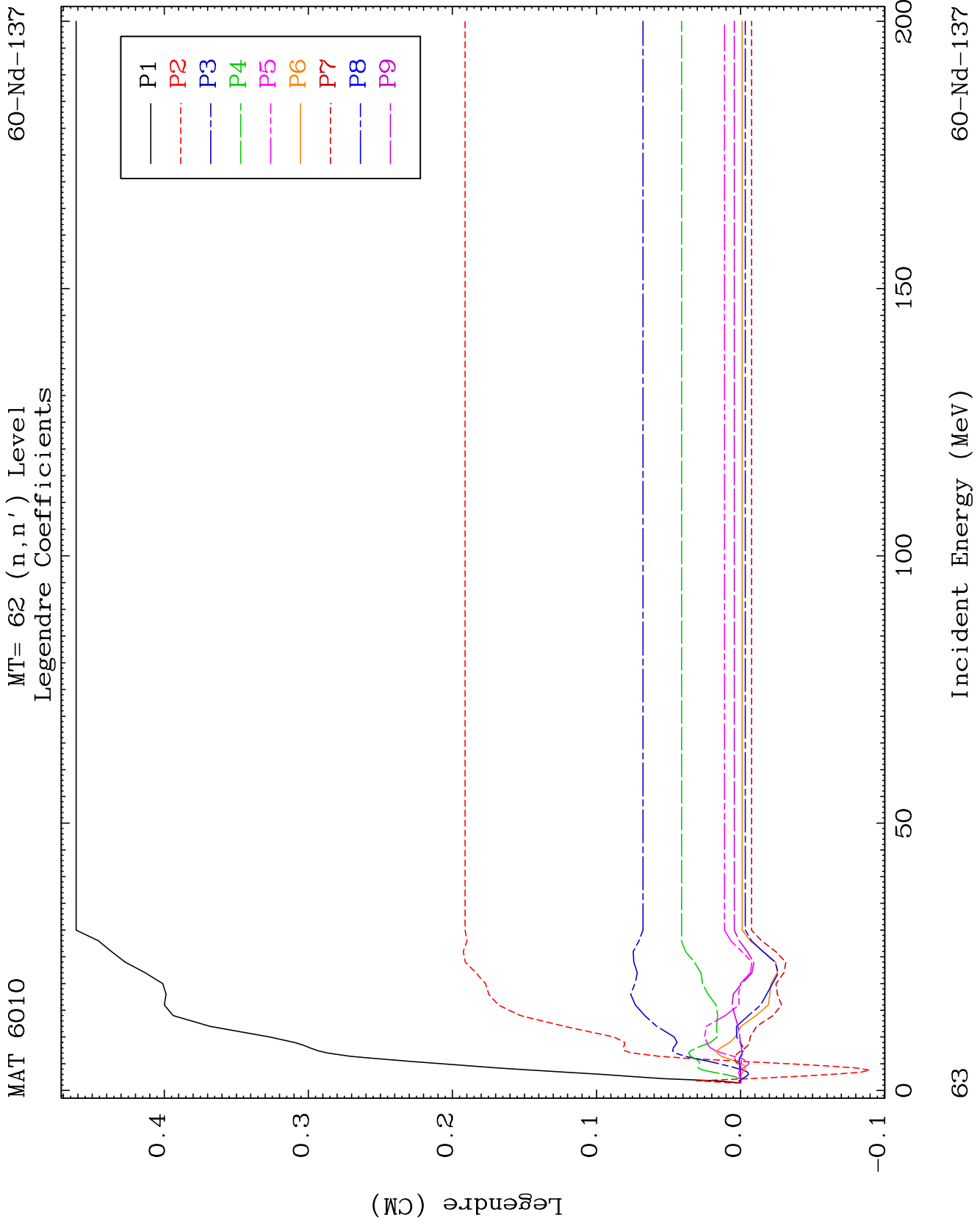


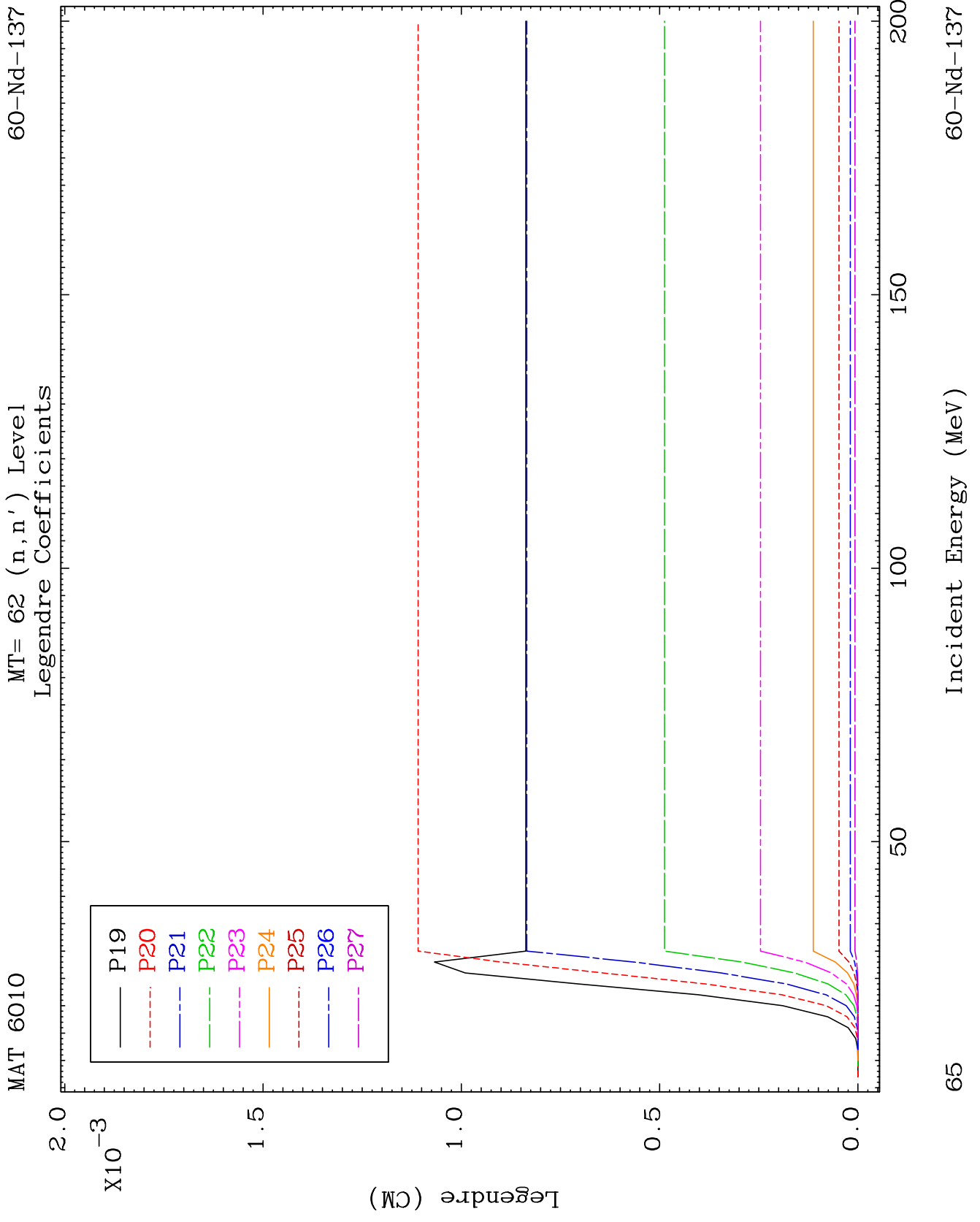


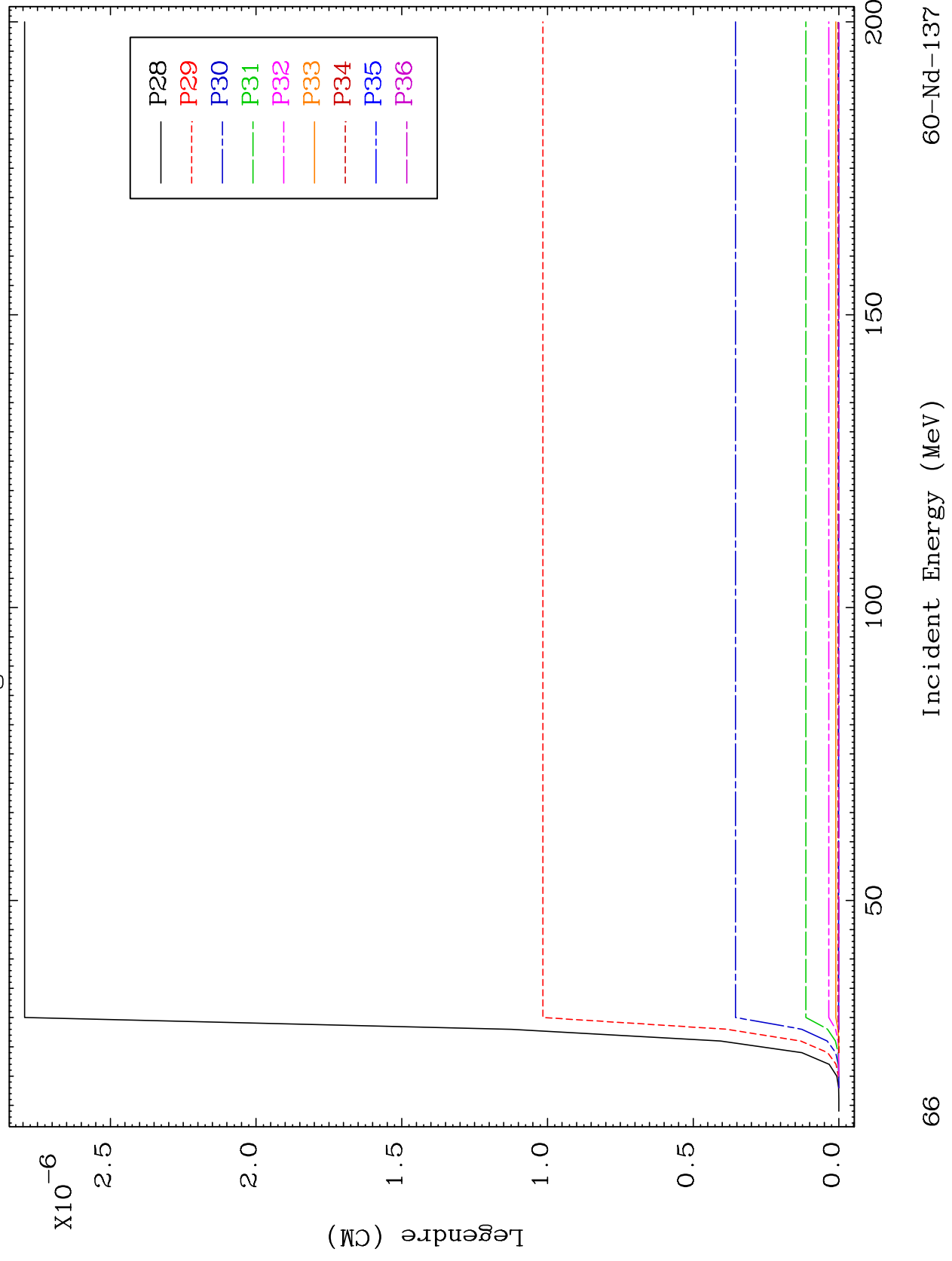








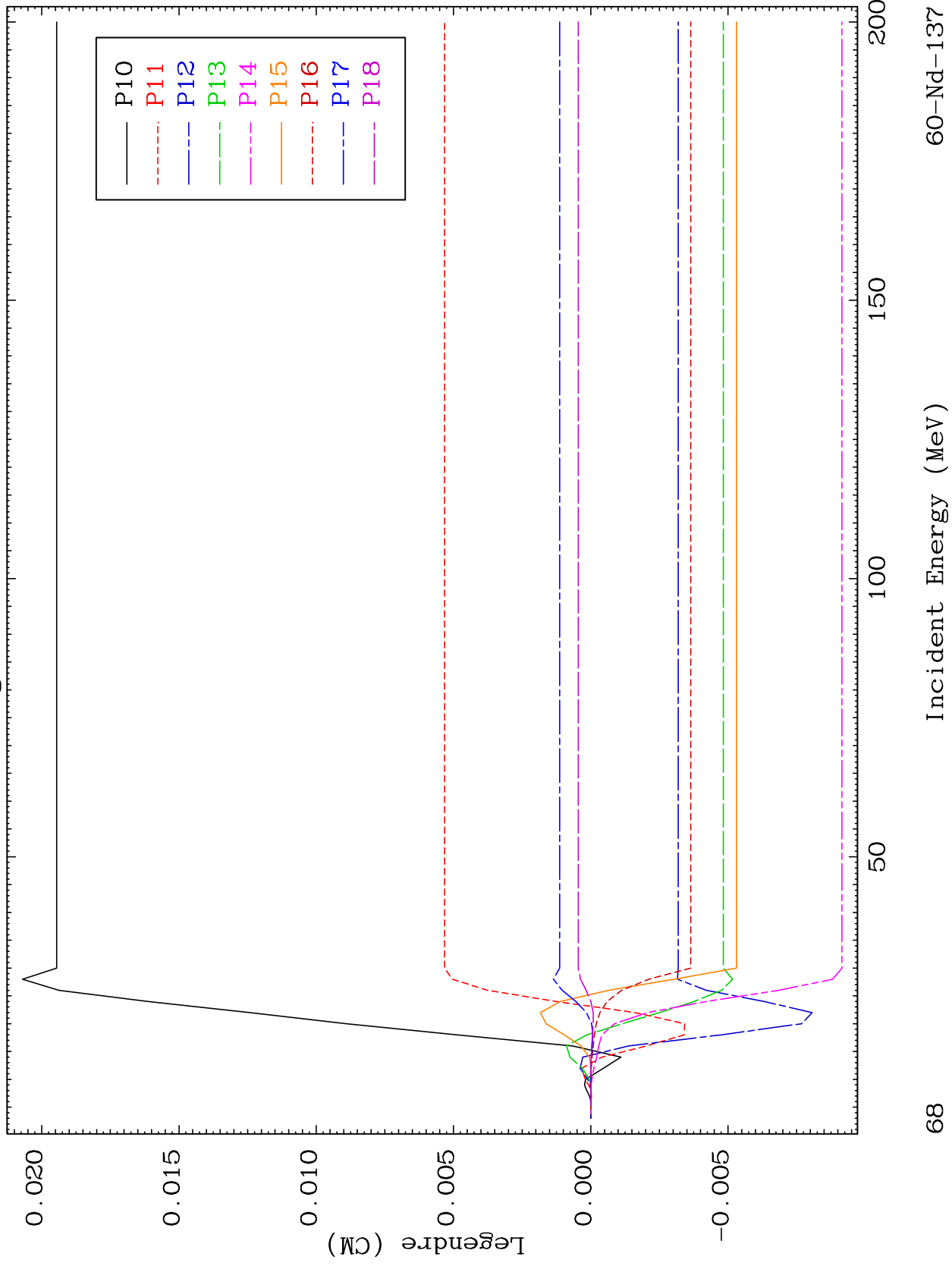




MAT 6010

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

60-Nd-137



68

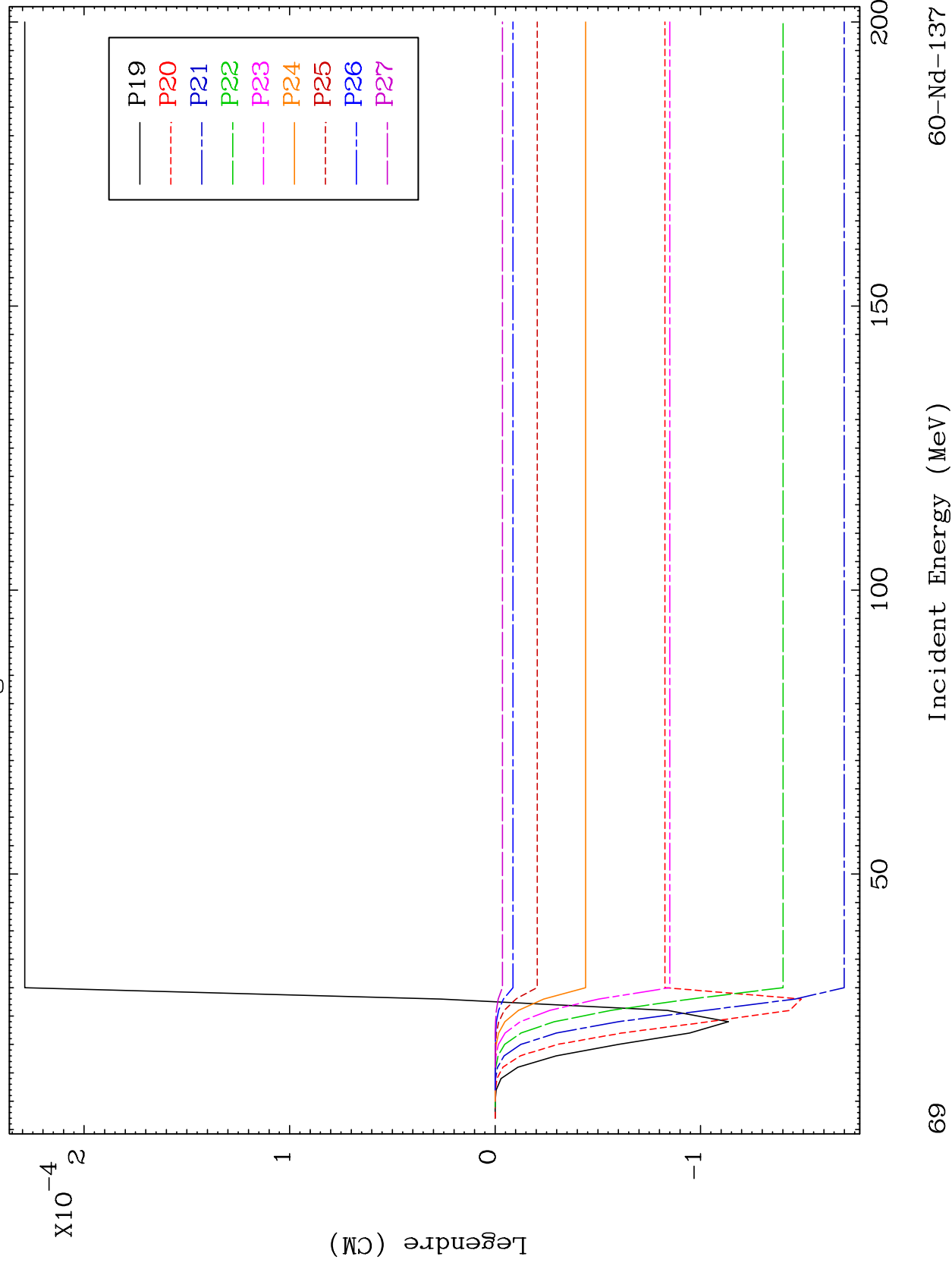
Incident Energy (MeV)

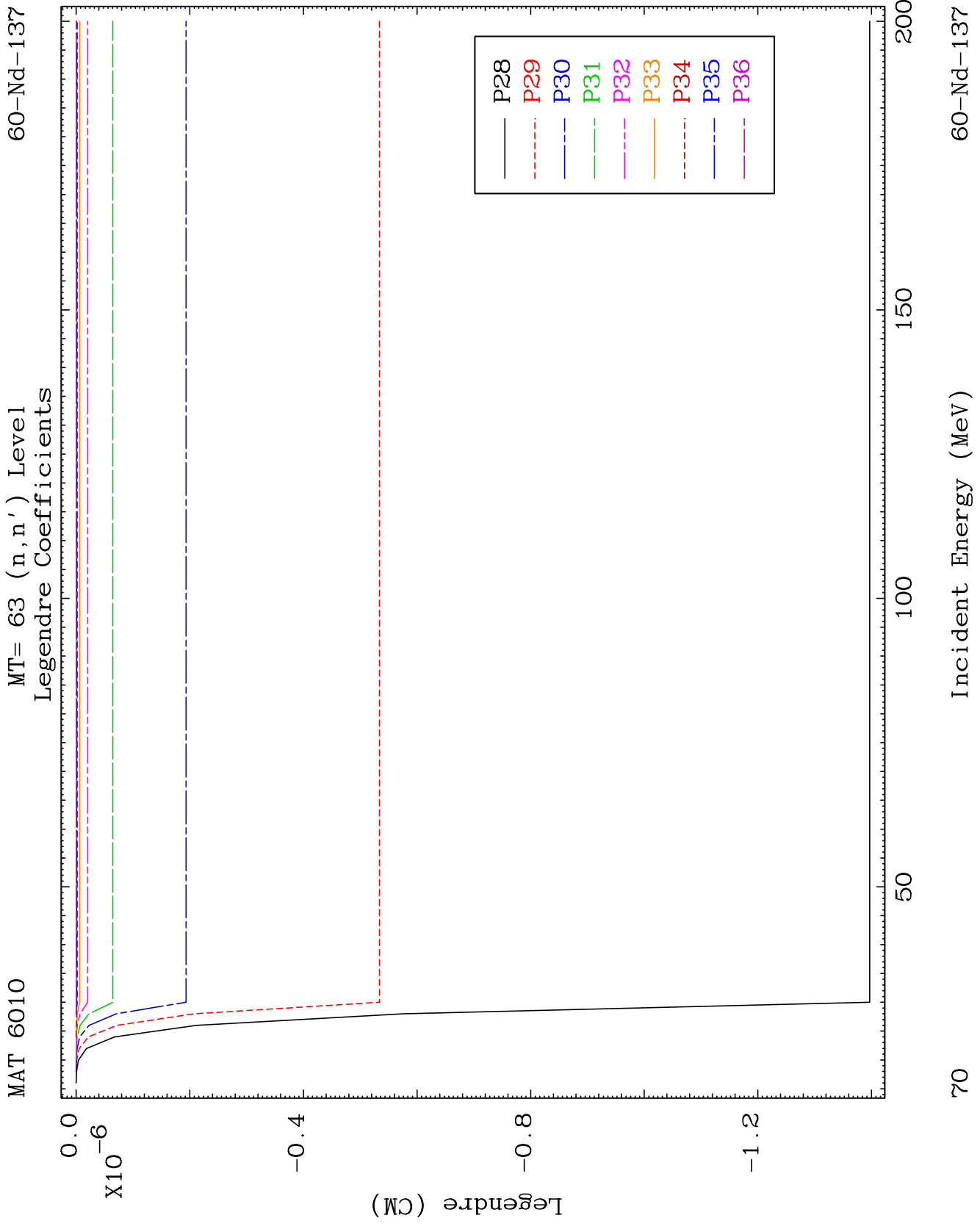
60-Nd-137

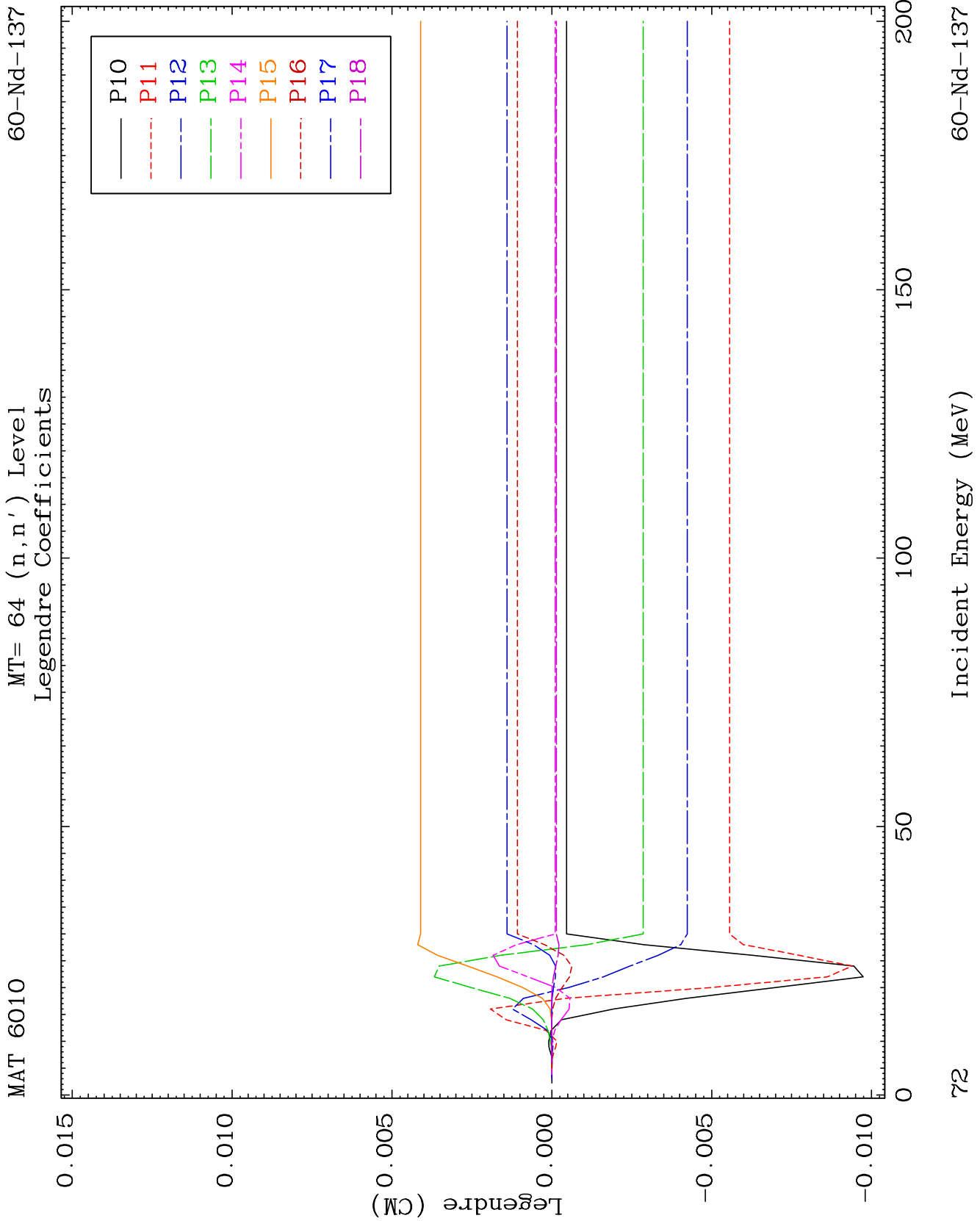
MAT 6010

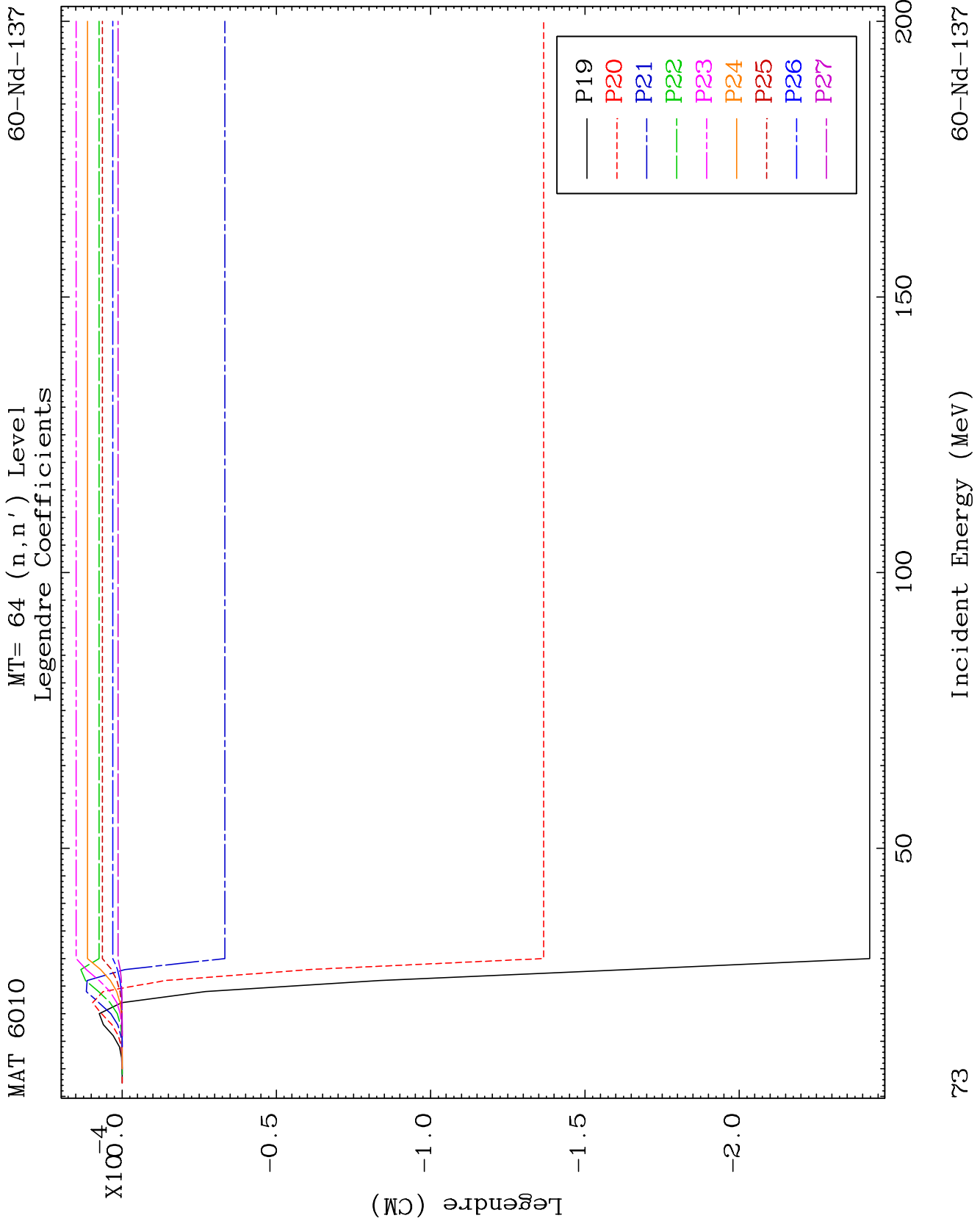
MT= 63 (n,n') Level
Legendre Coefficients

60-Nd-137





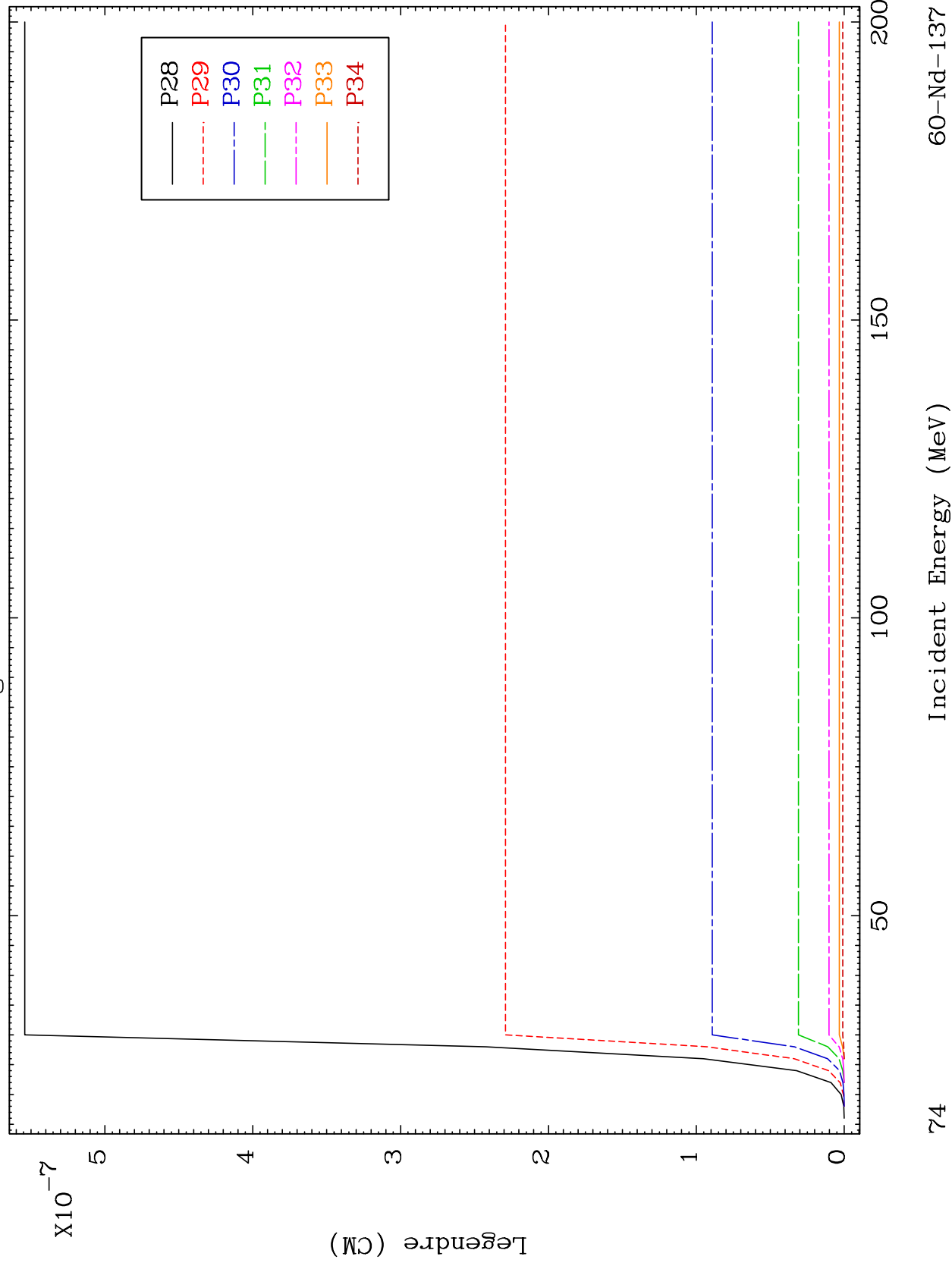




MAT 6010

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

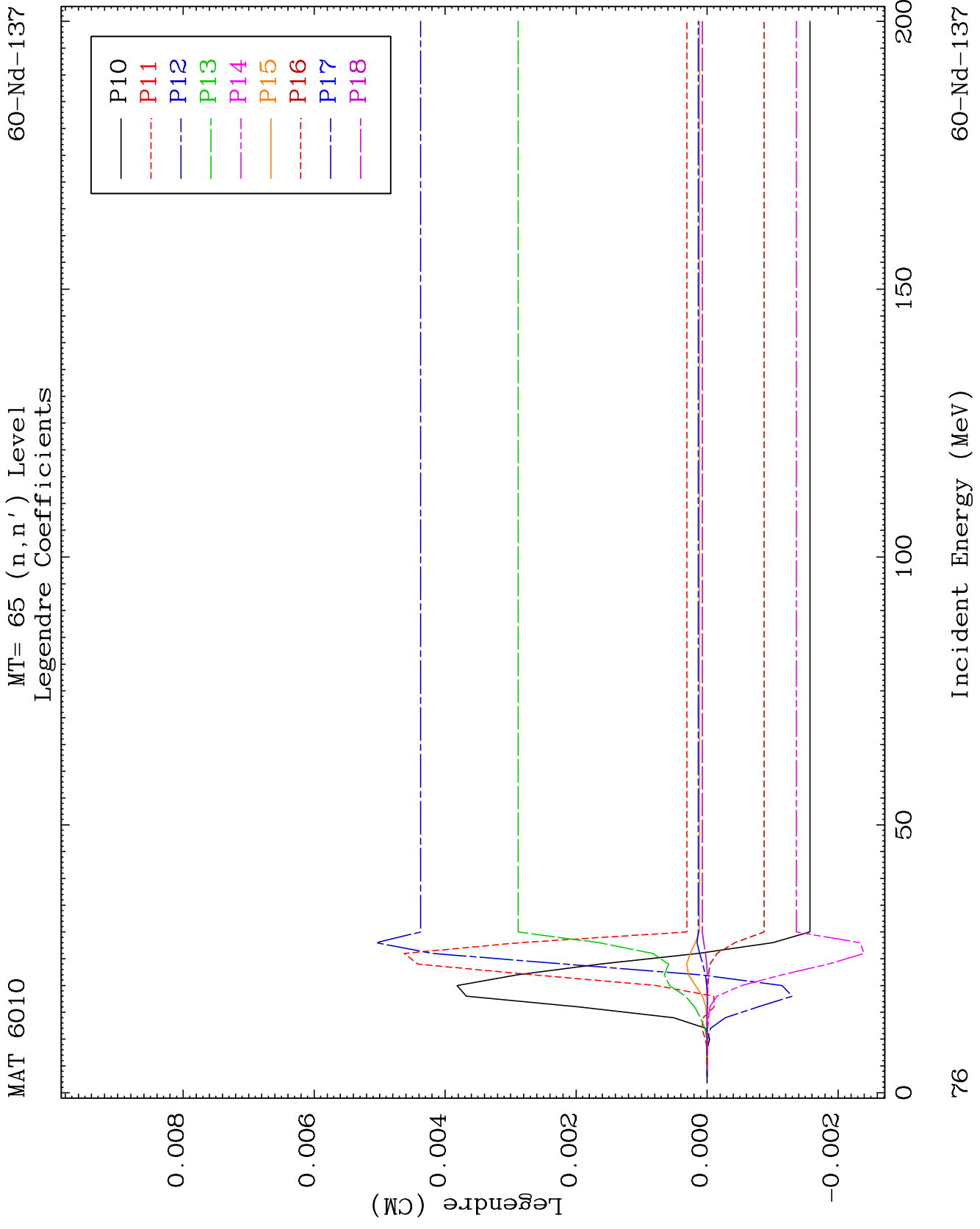
60-Nd-137



74

Incident Energy (MeV)

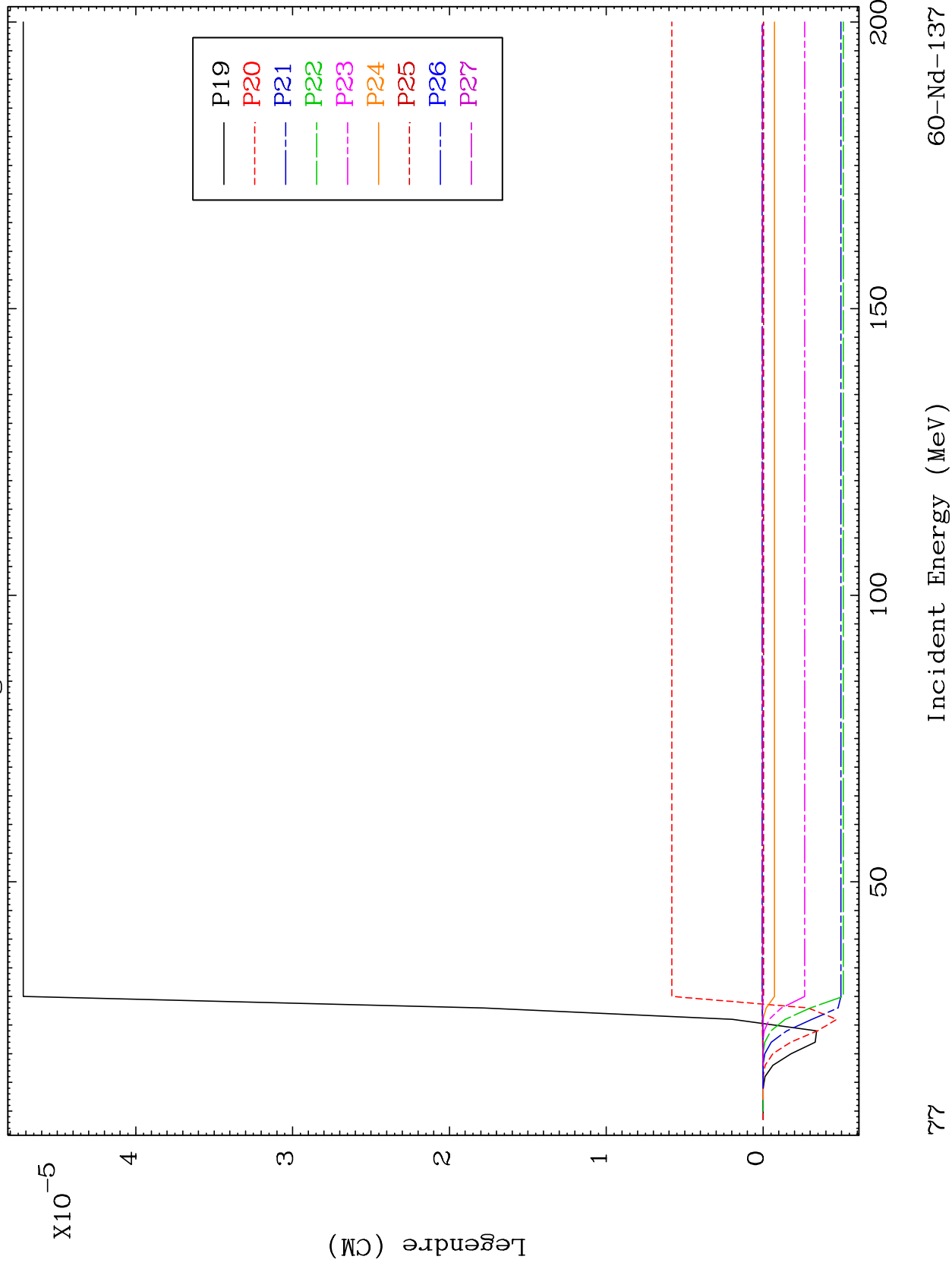
60-Nd-137

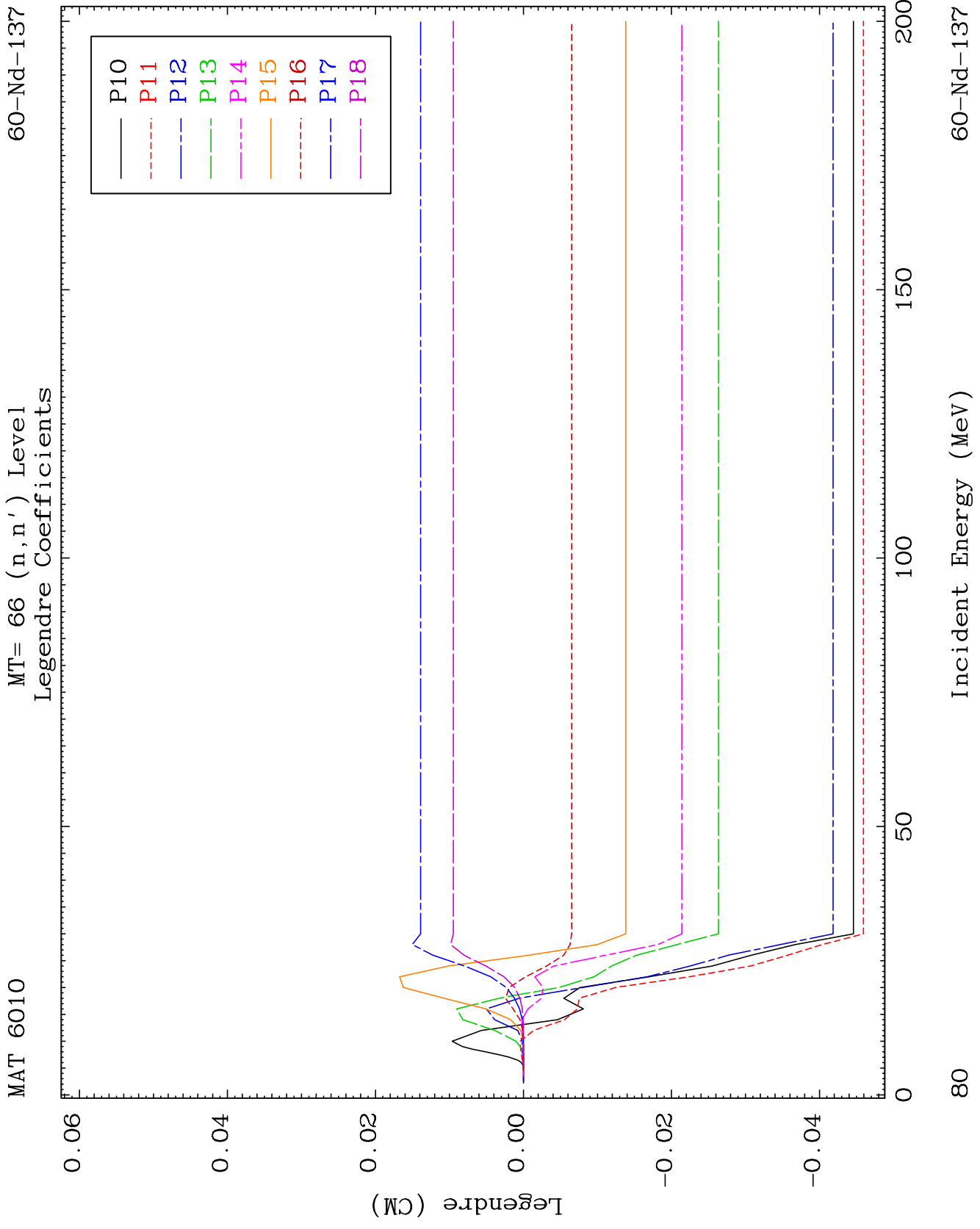


MAT 6010

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

60-Nd-137

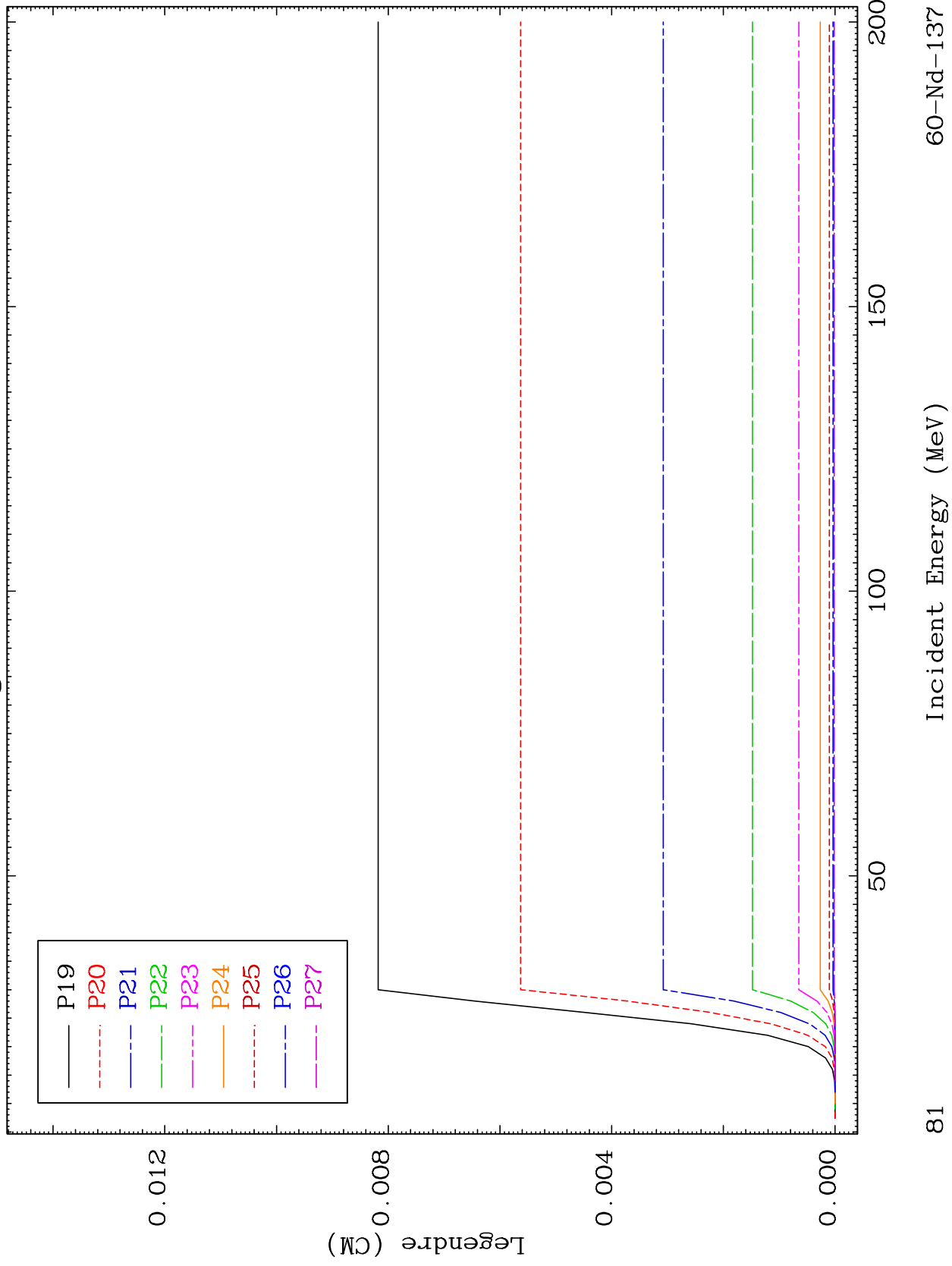




MAT 6010

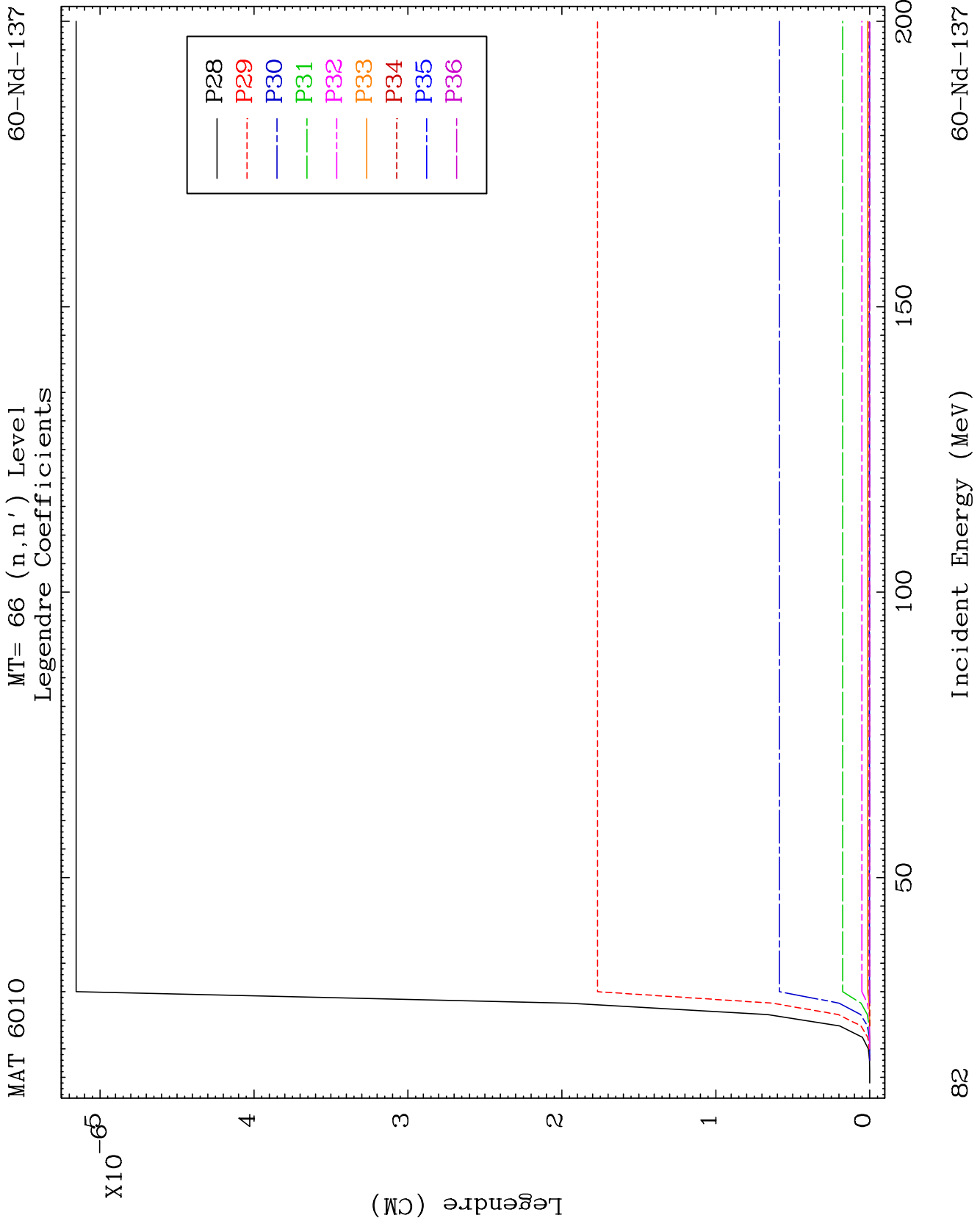
MT= 66 (n,n') Level
Legendre Coefficients

60-Nd-137



60-Nd-137

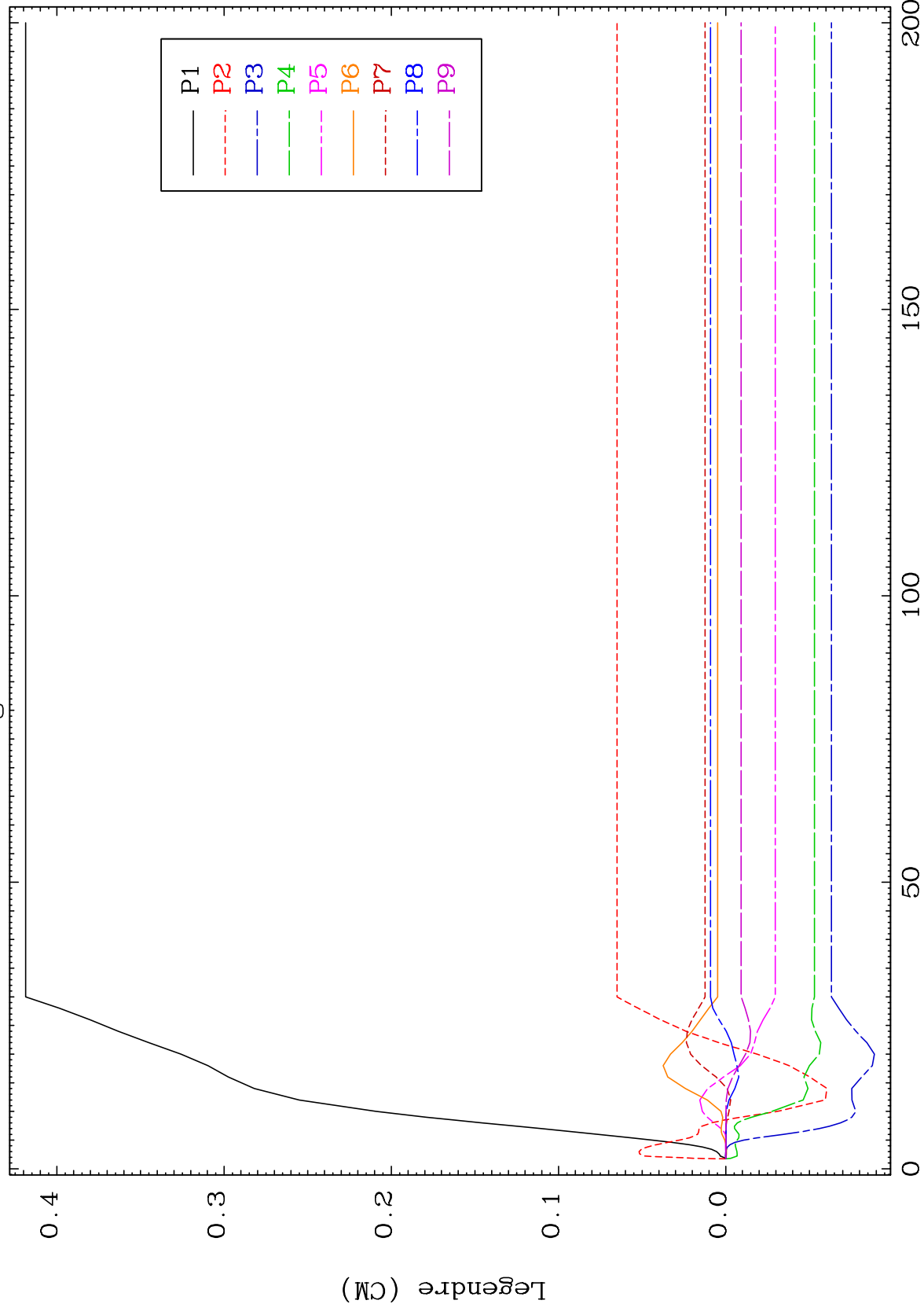
Incident Energy (MeV)



MAT 6010

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

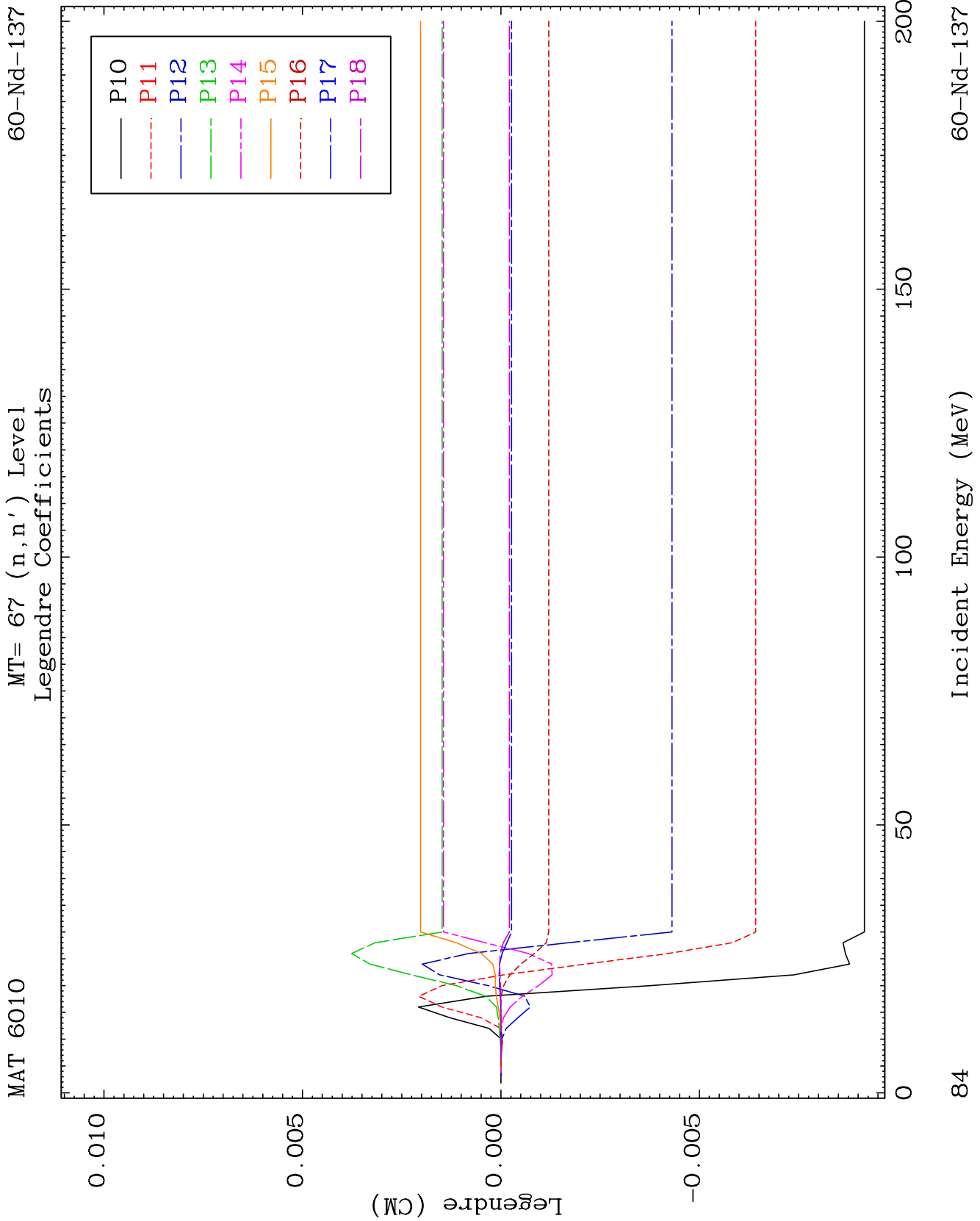
60-Nd-137



83

Incident Energy (MeV)

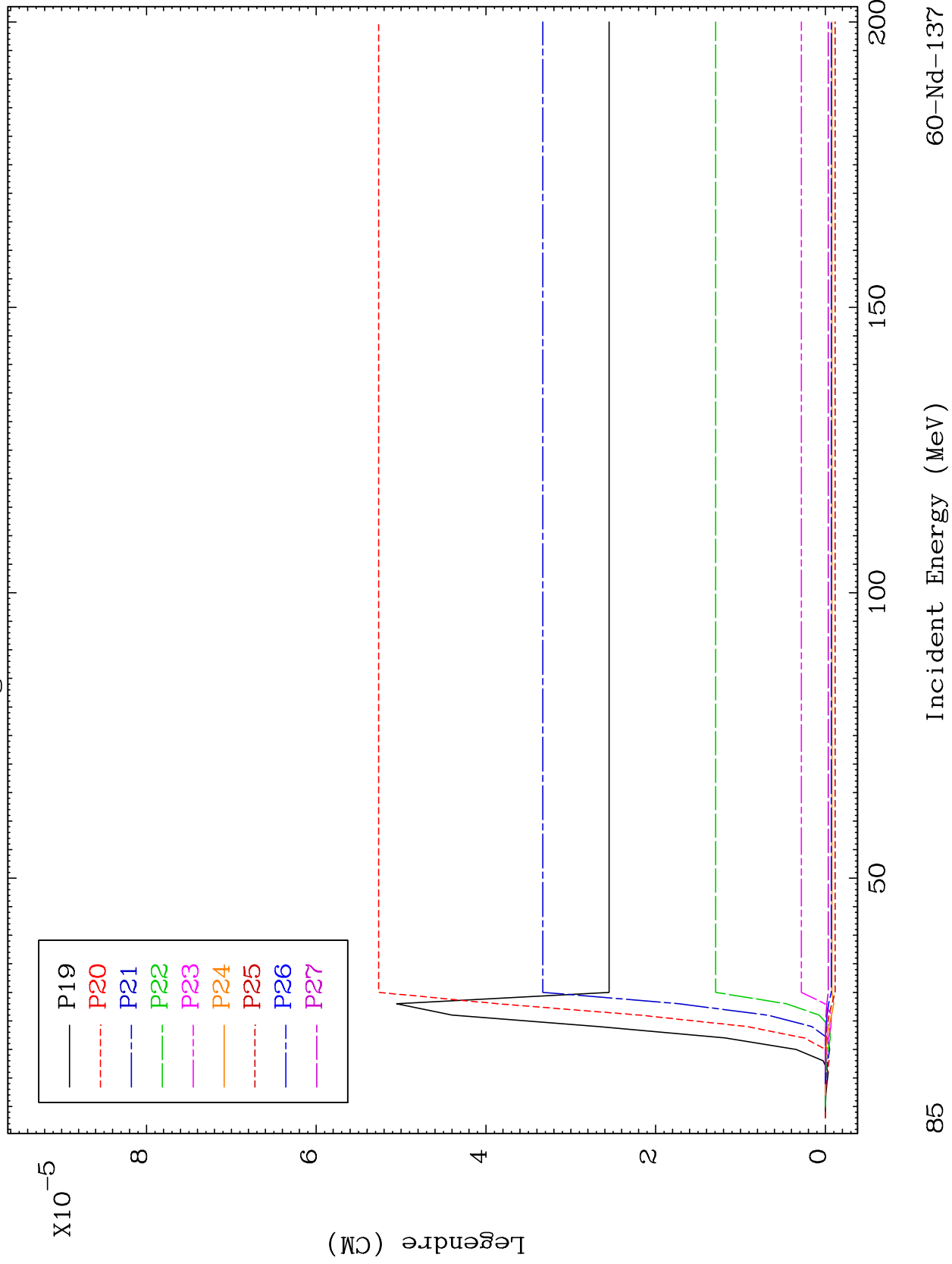
60-Nd-137

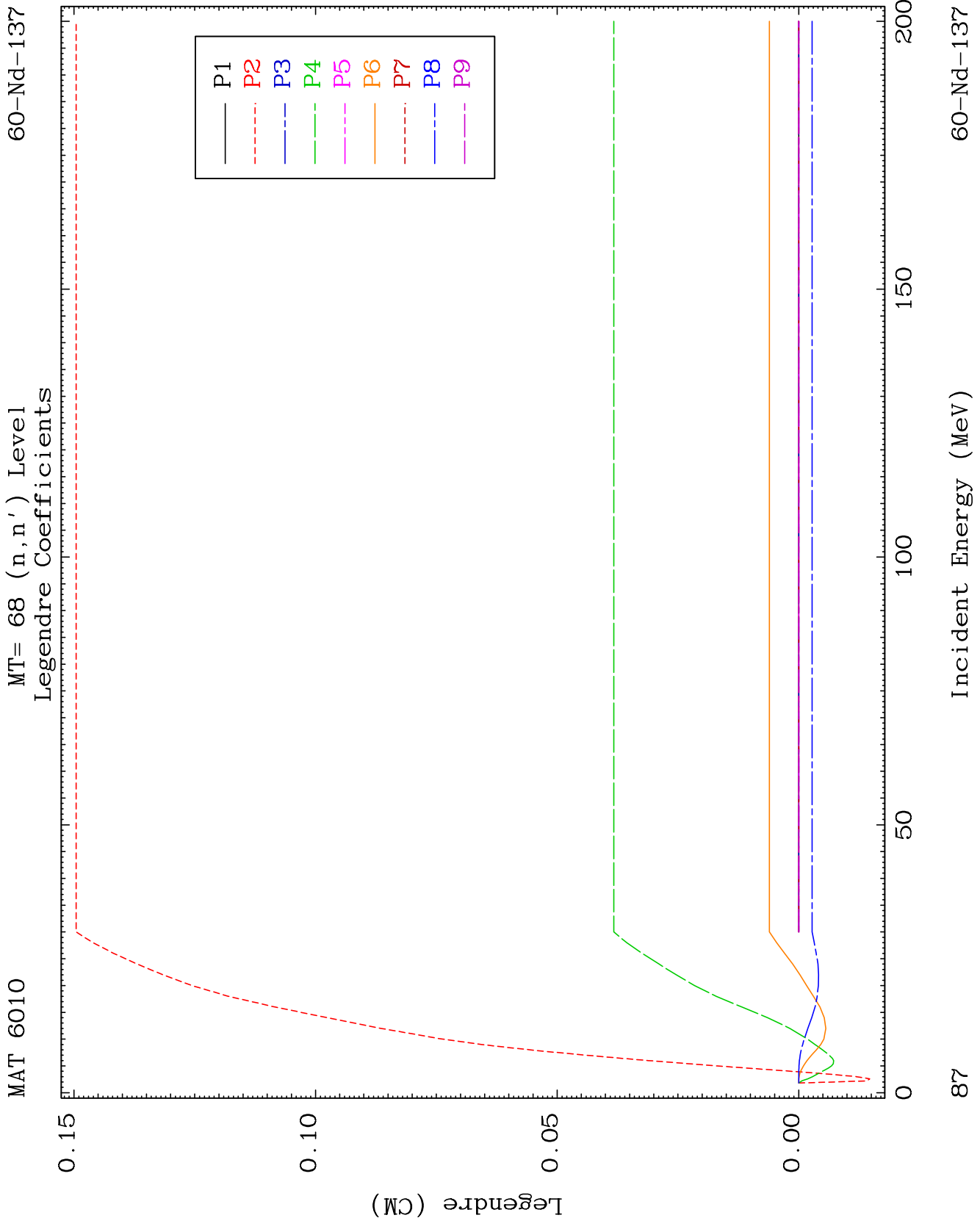


MAT 6010

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

60-Nd-137

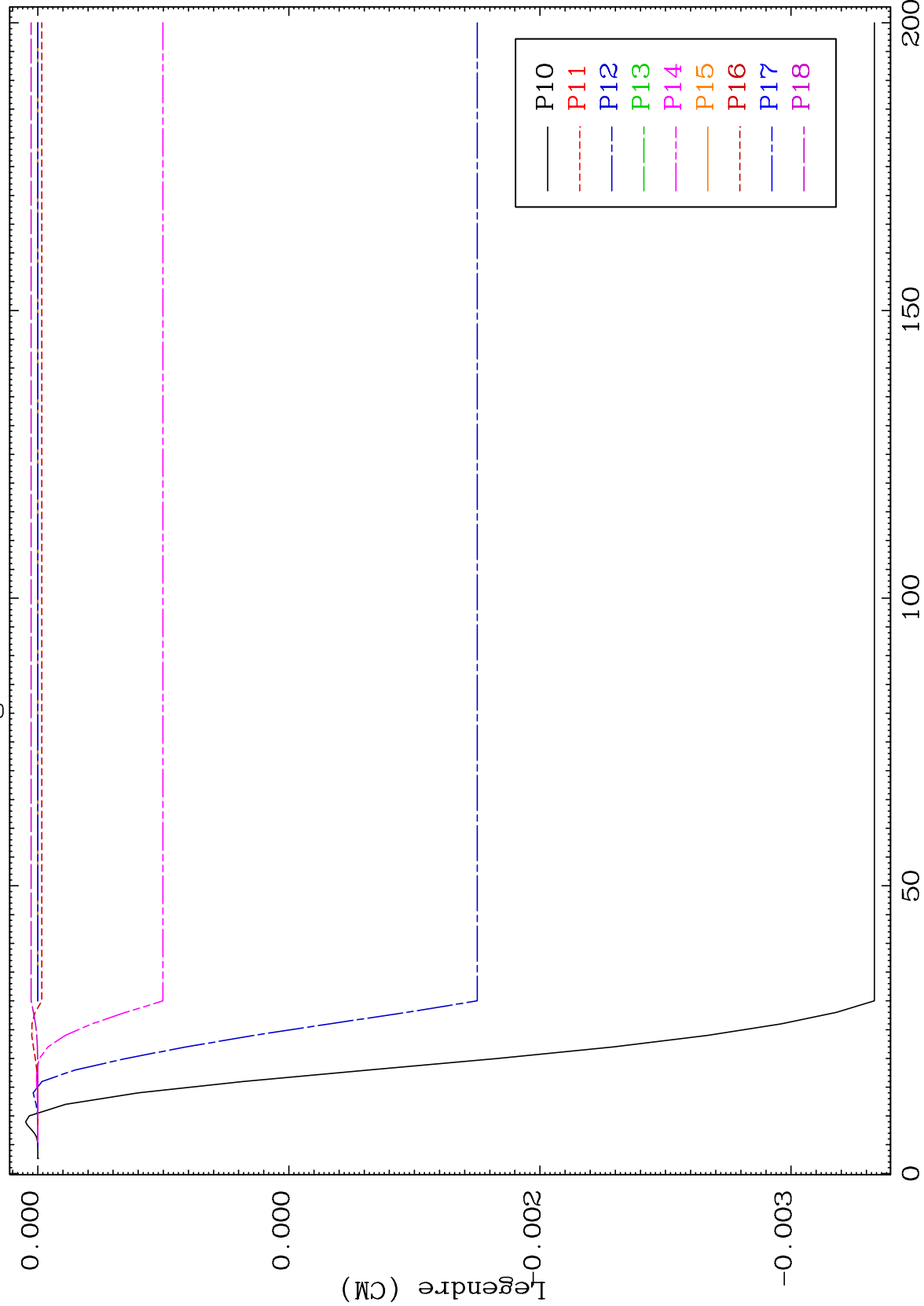




MAT 6010

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

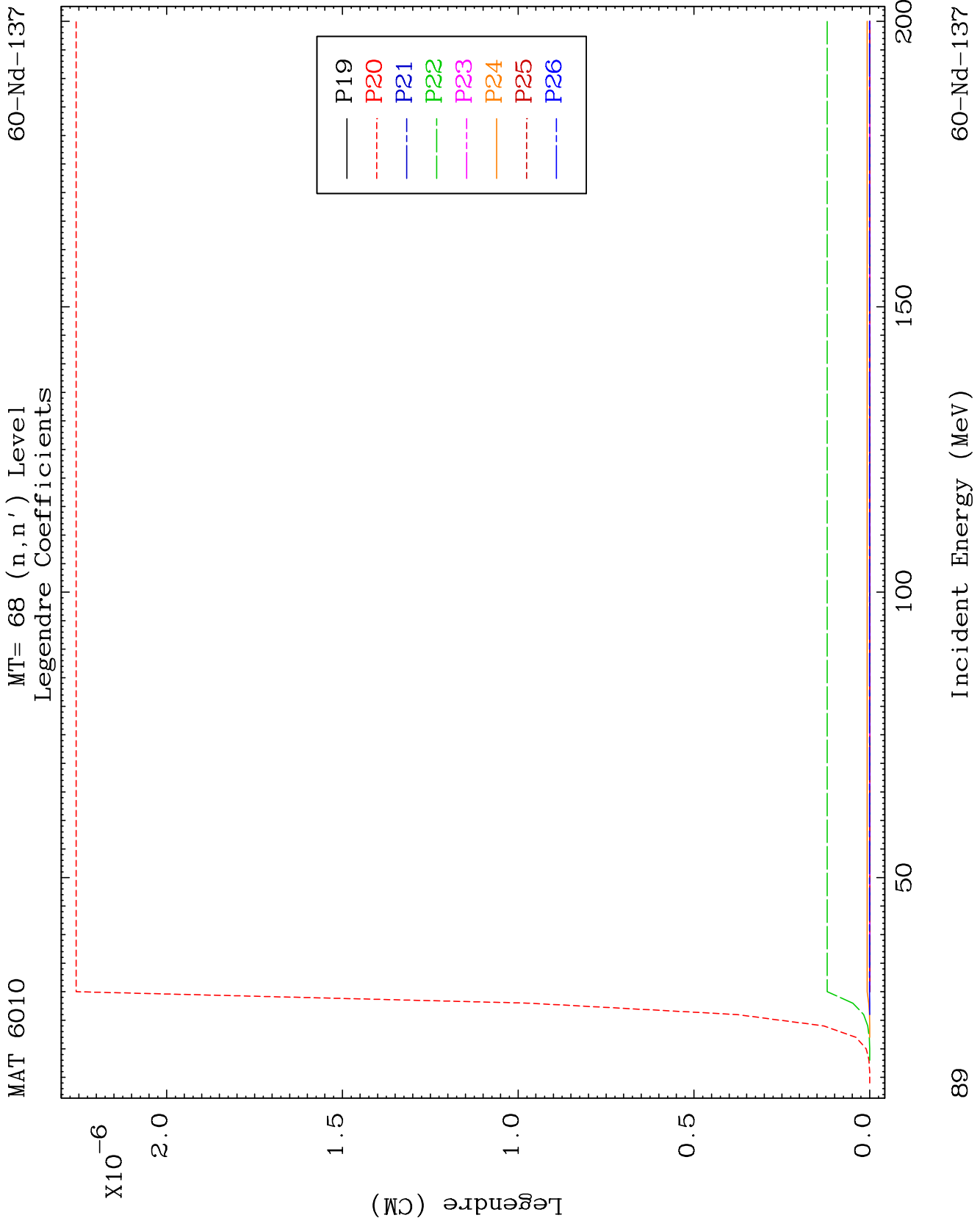
60-Nd-137



60-Nd-137

Incident Energy (MeV)

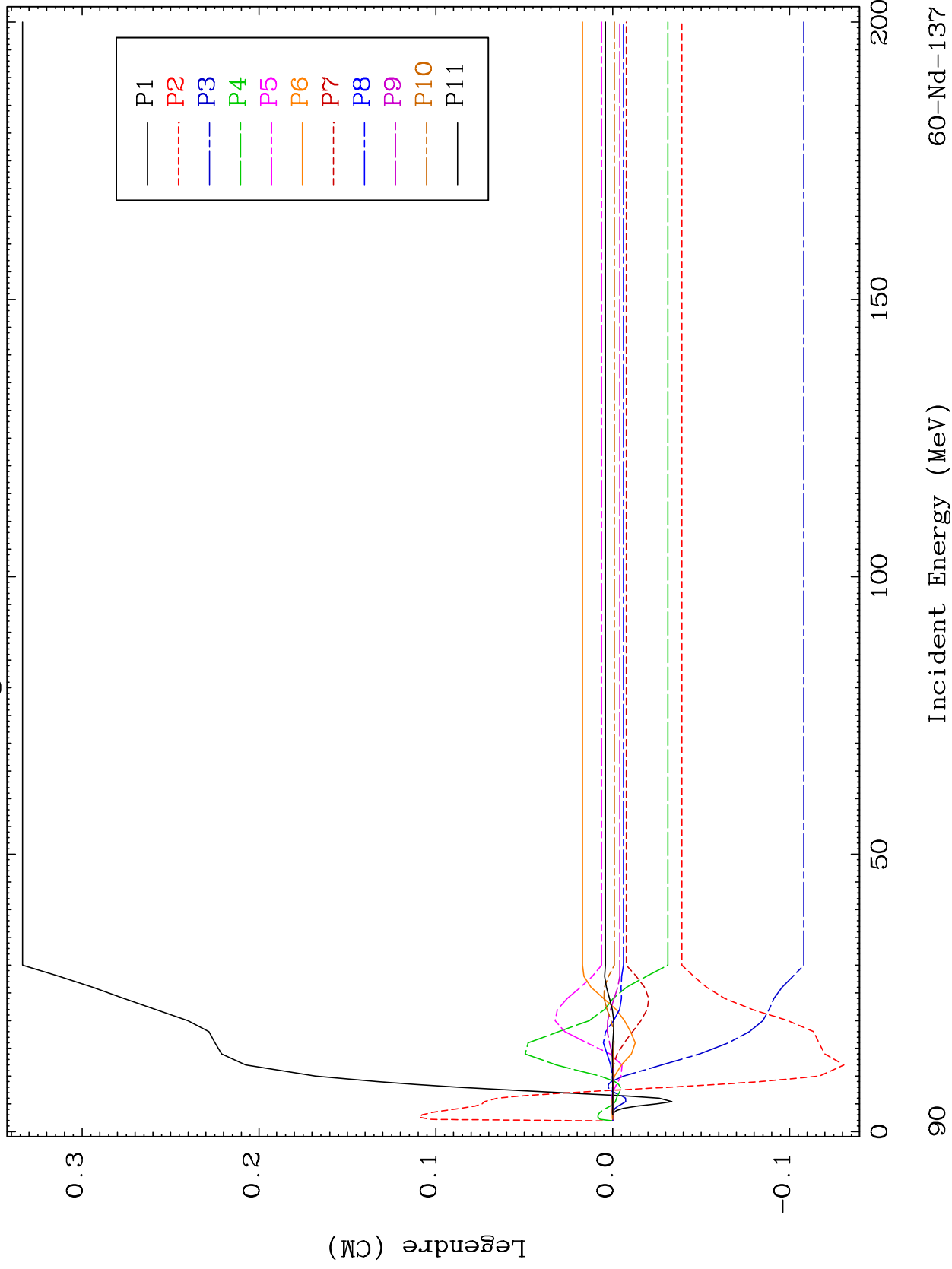
88



MAT 6010

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

60-Nd-137



60-Nd-137

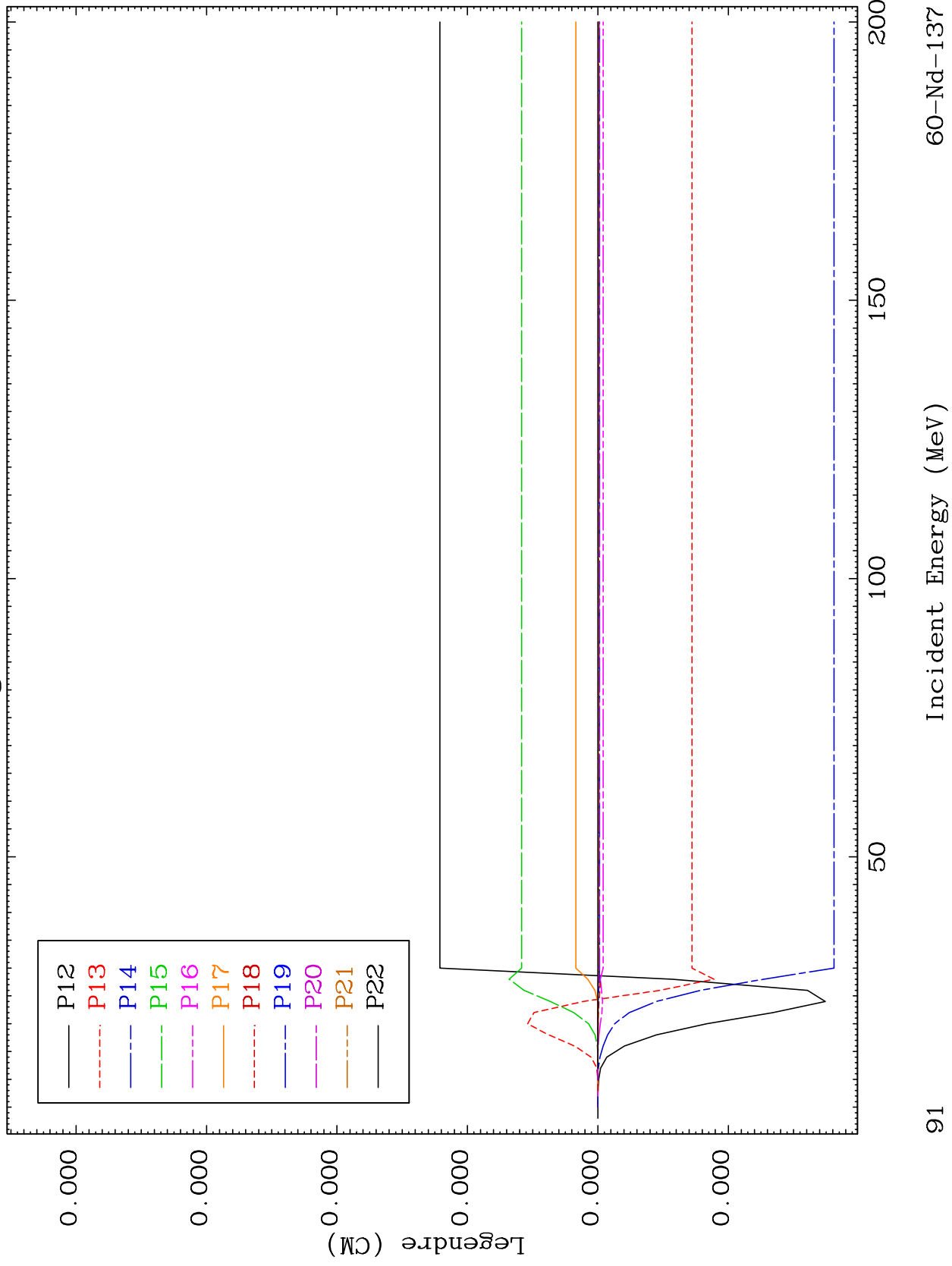
Incident Energy (MeV)

90

MAT 6010

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

60-Nd-137



91

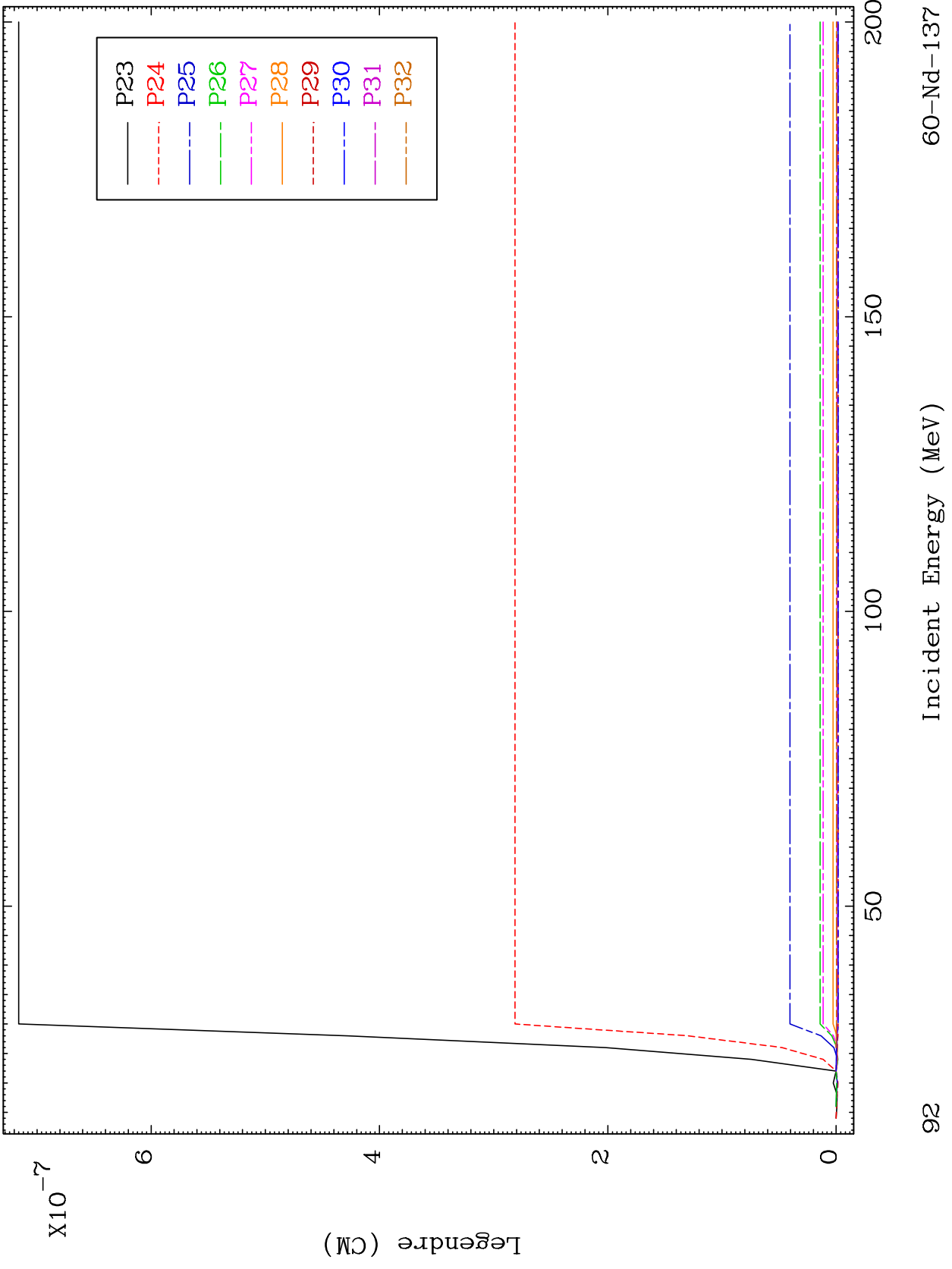
Incident Energy (MeV)

60-Nd-137

MAT 6010

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

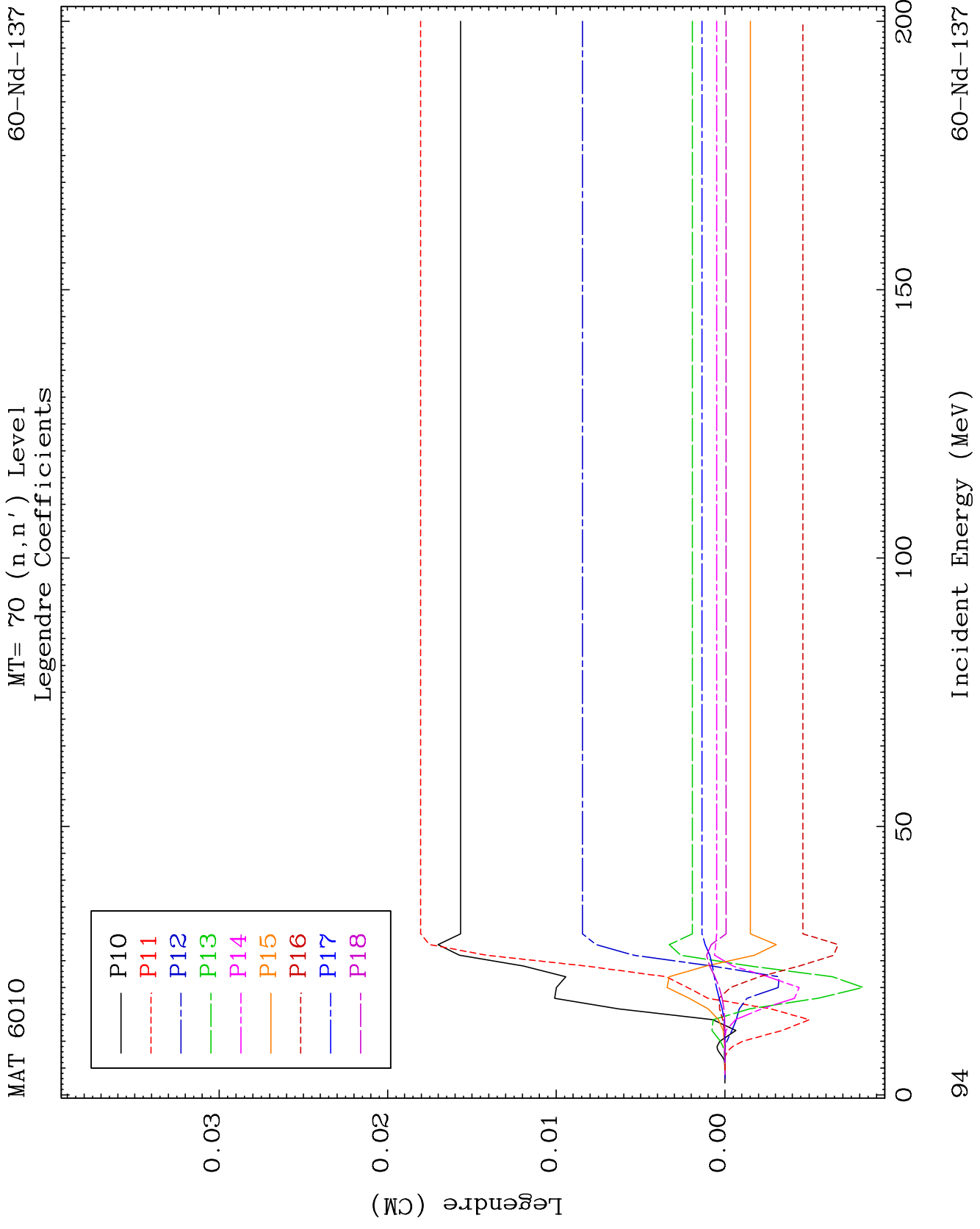
60-Nd-137



92

Incident Energy (MeV)

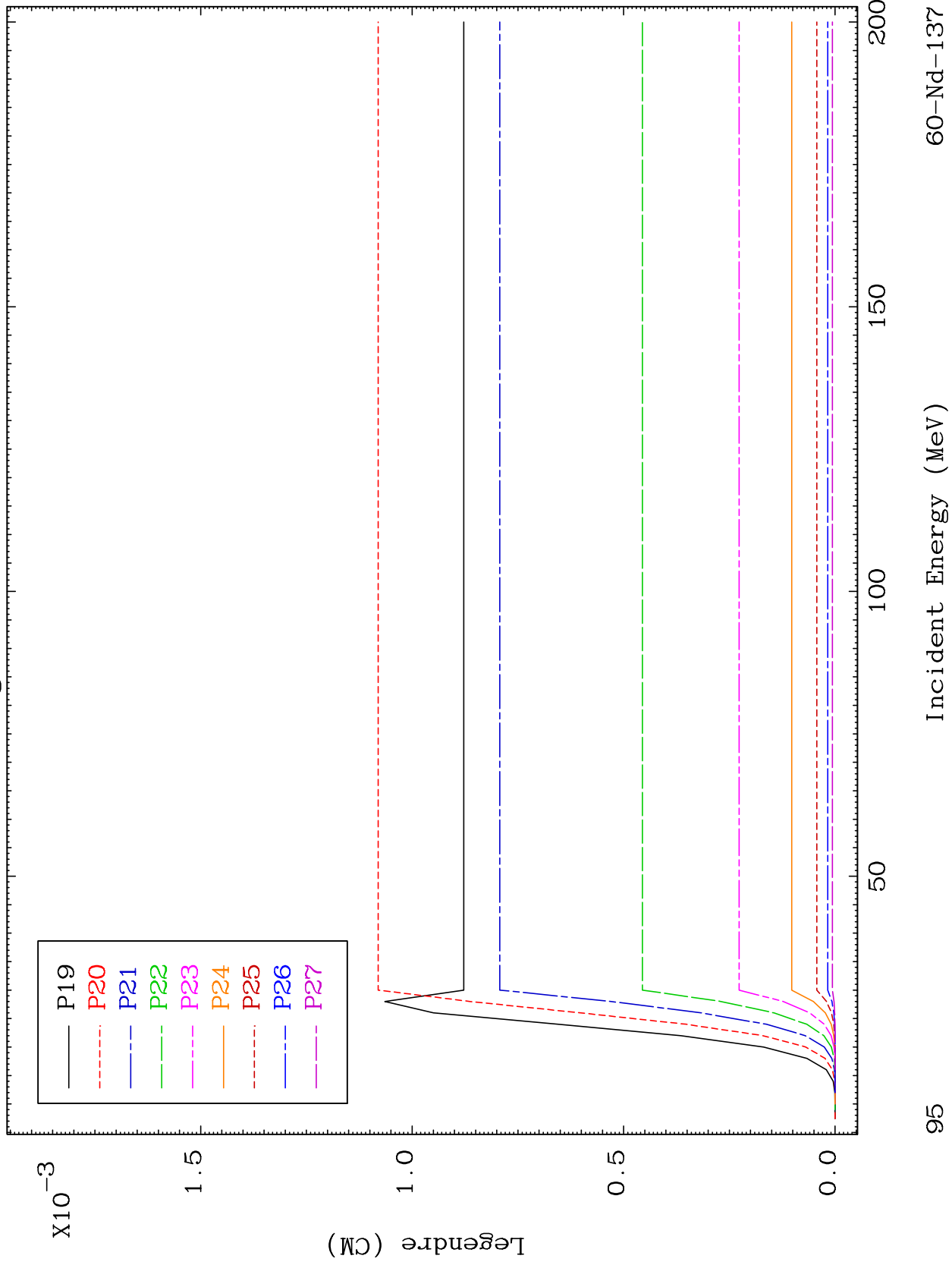
60-Nd-137

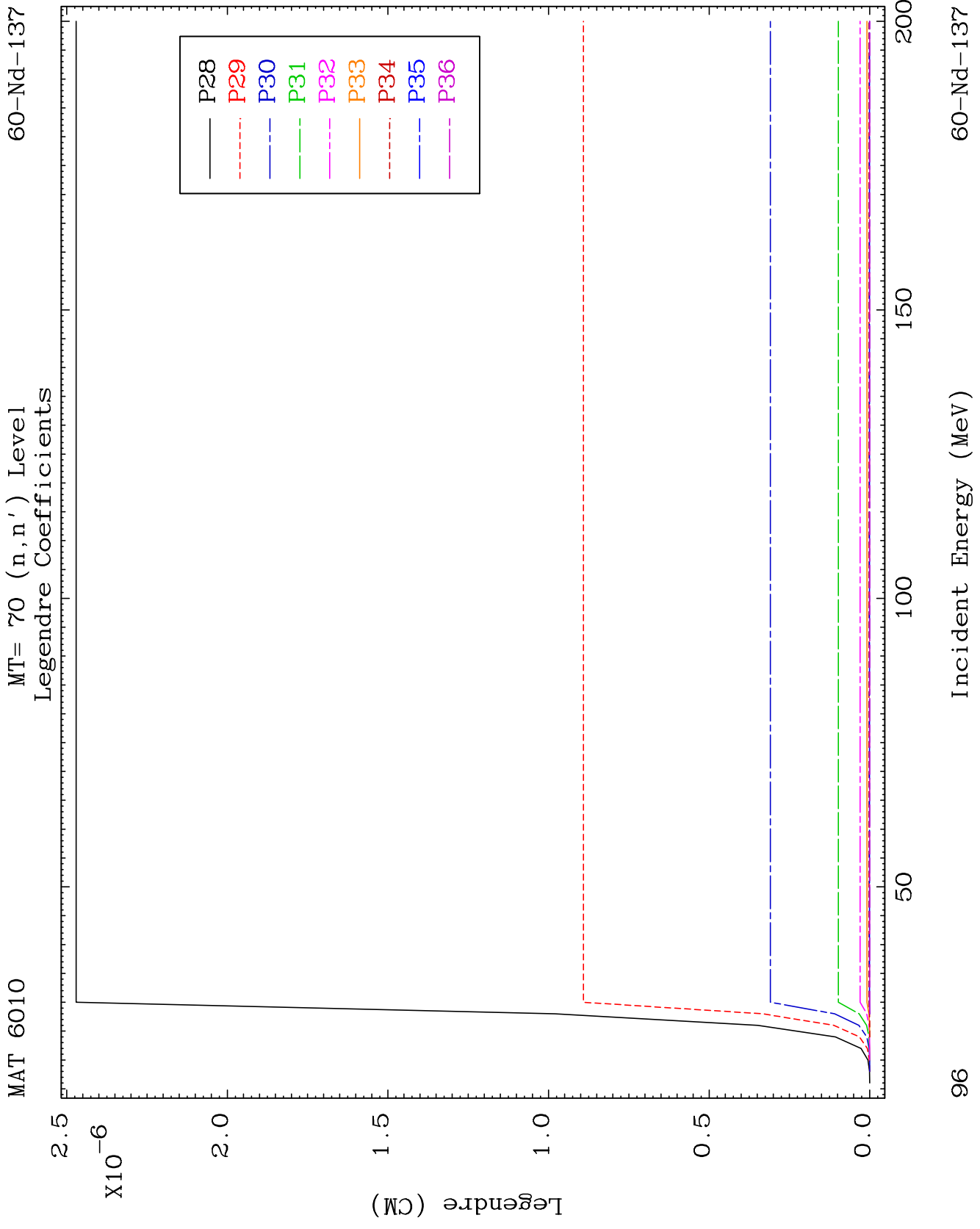


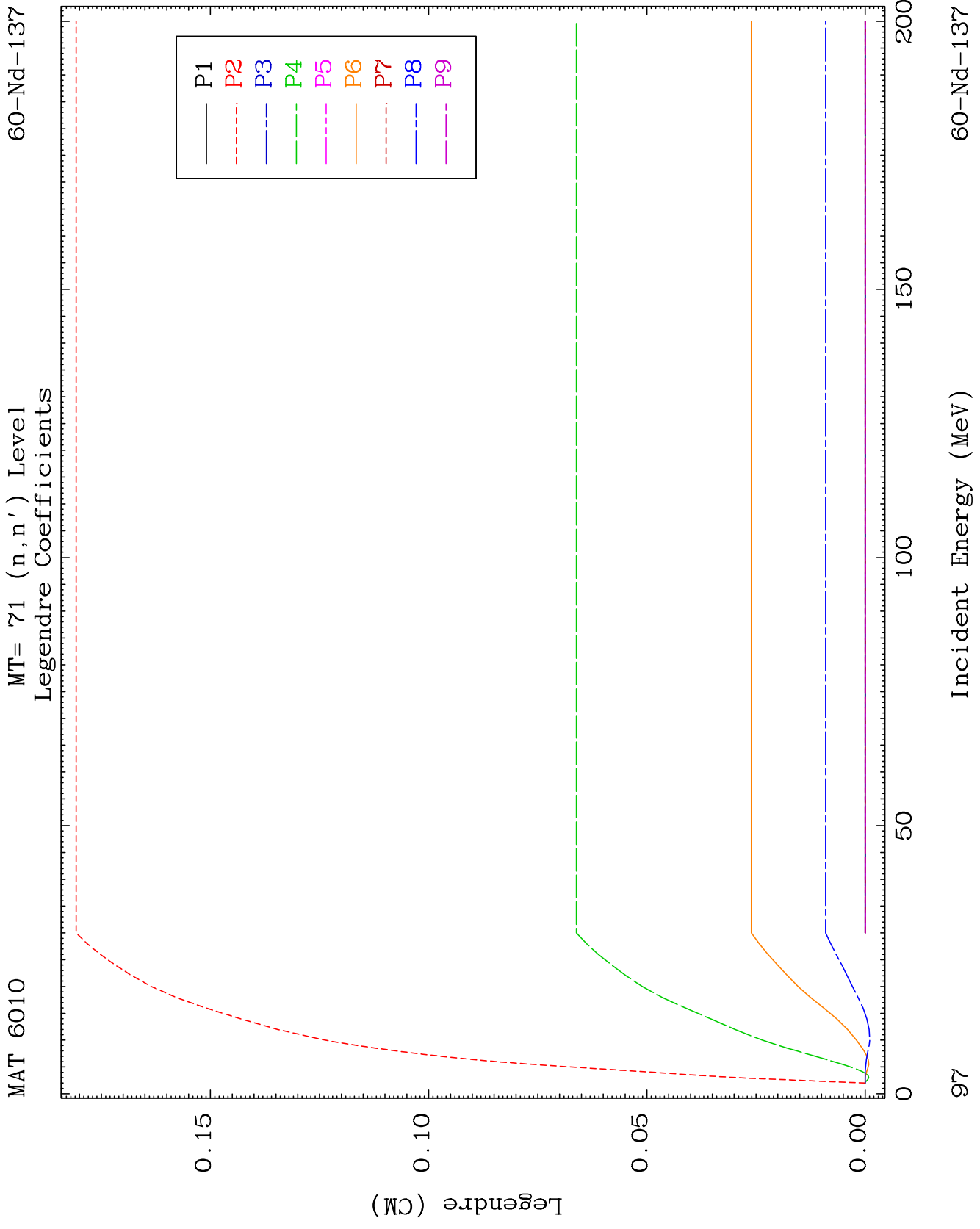
MAT 6010

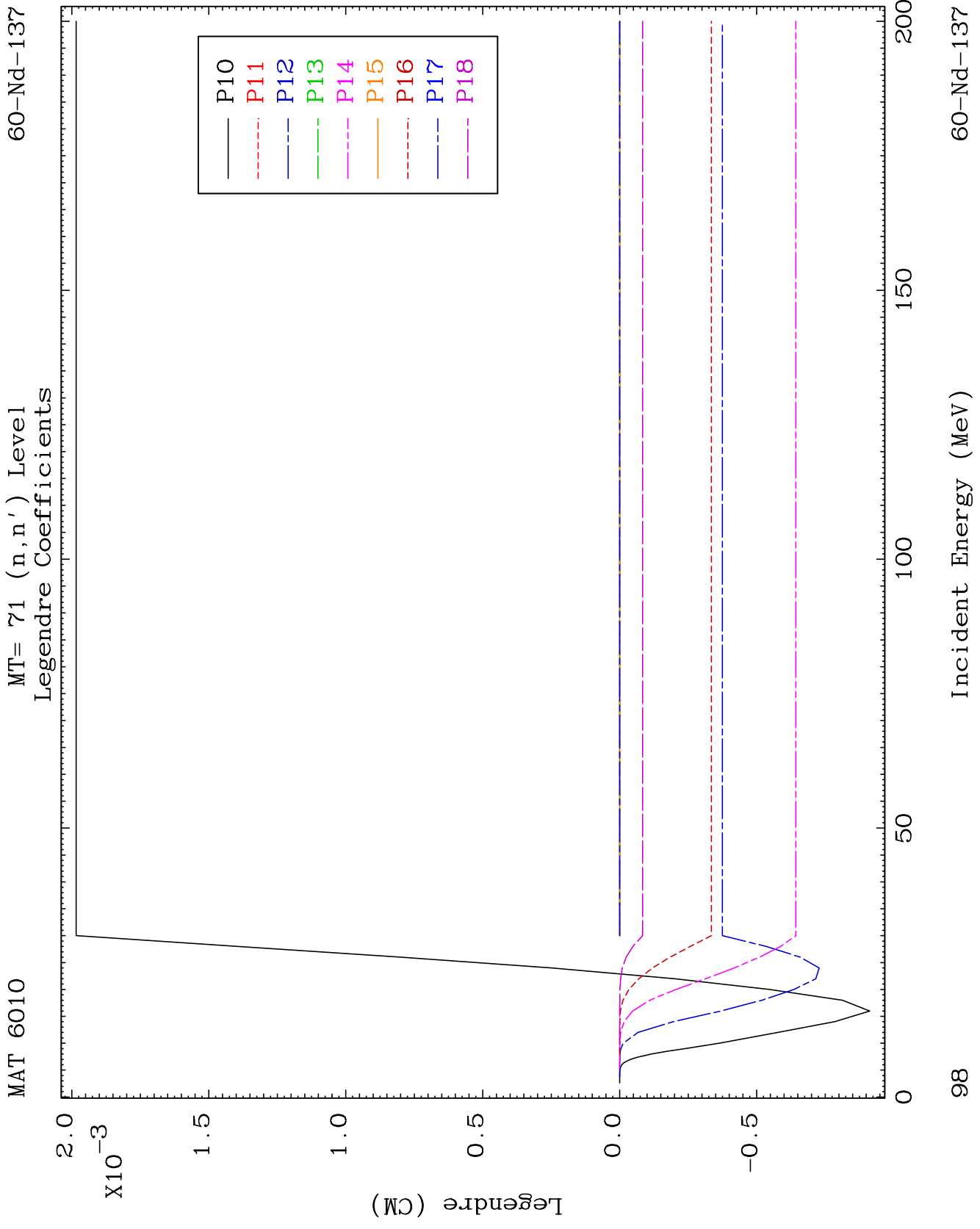
MT= 70 (n,n') Level
Legendre Coefficients

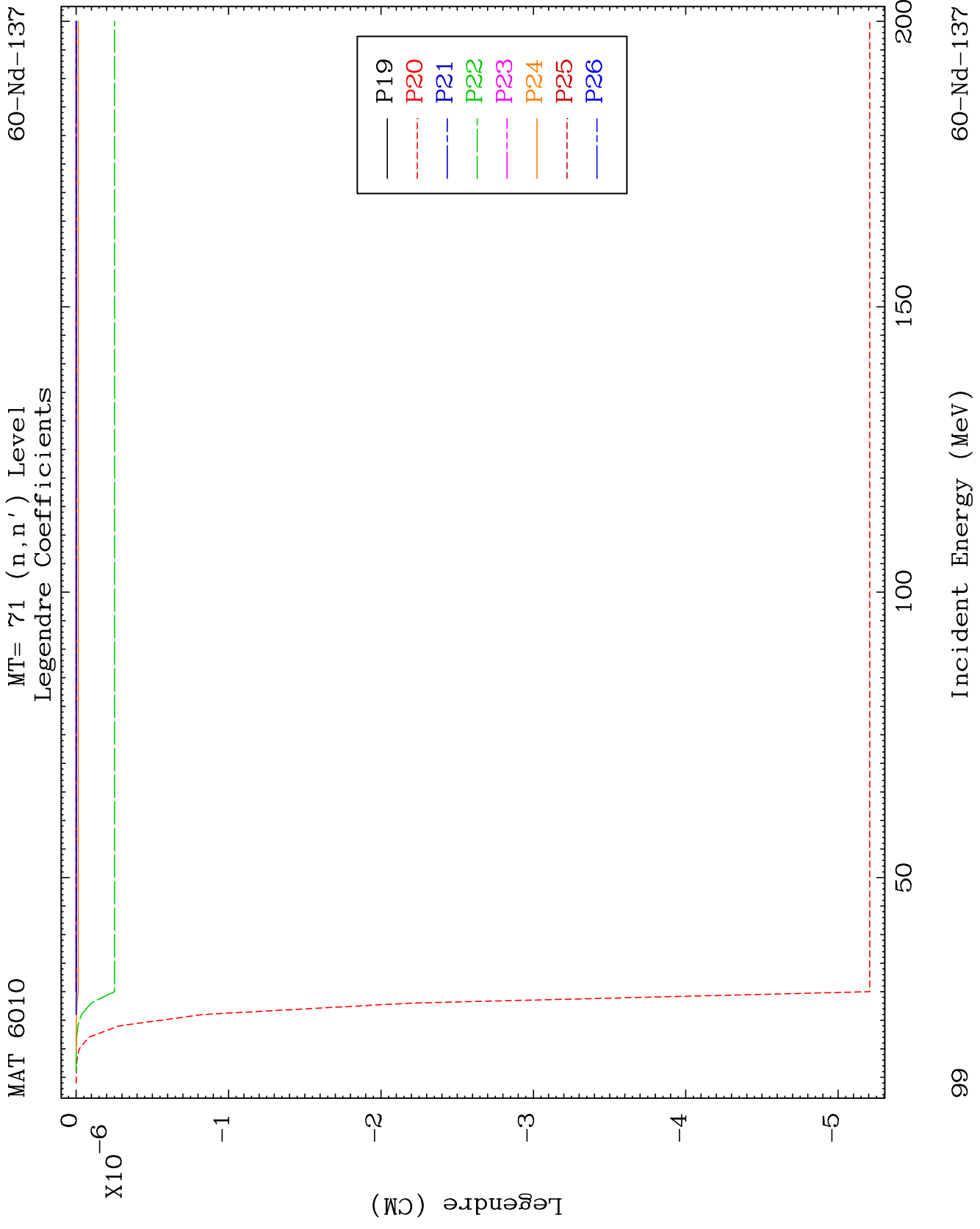
60-Nd-137

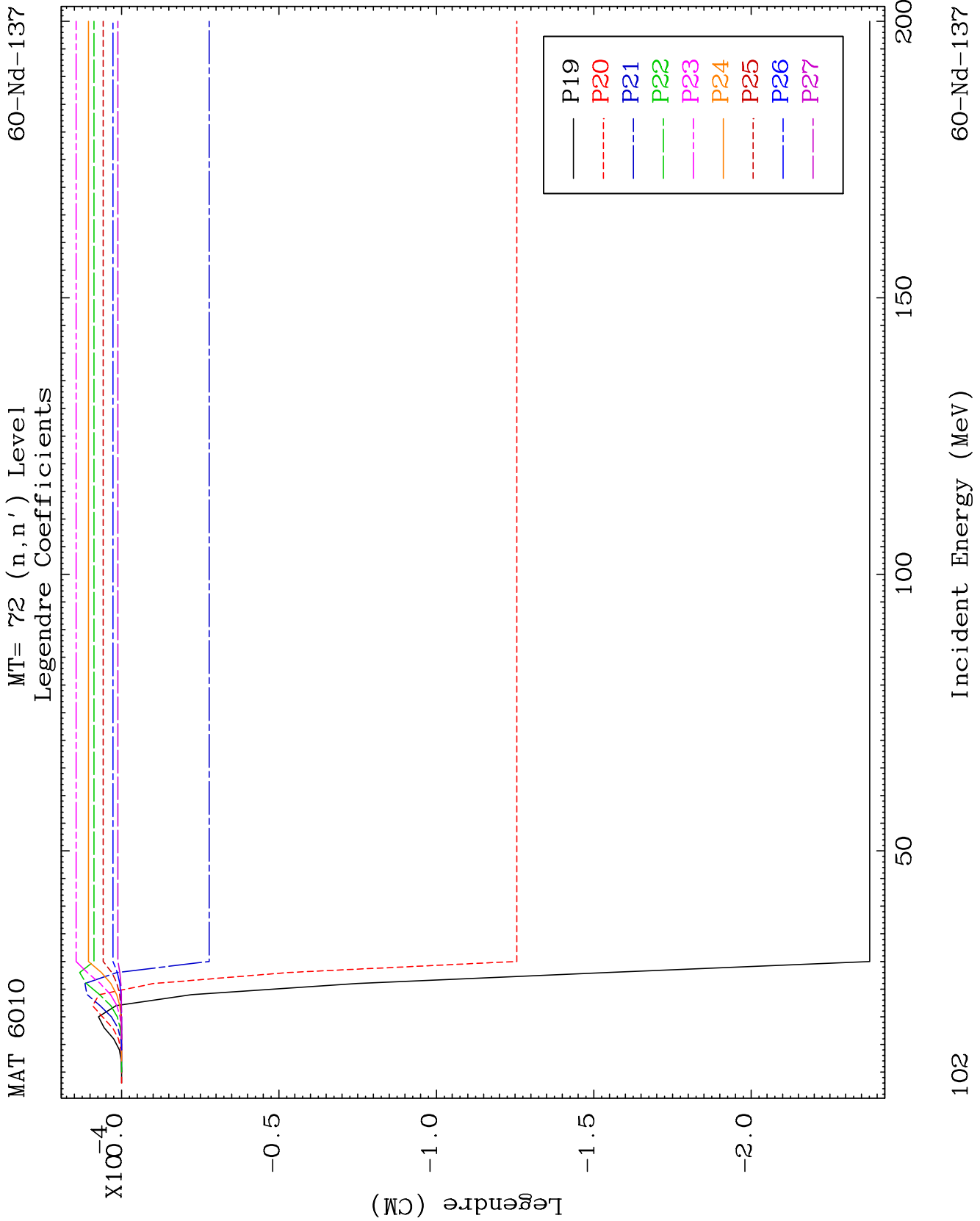


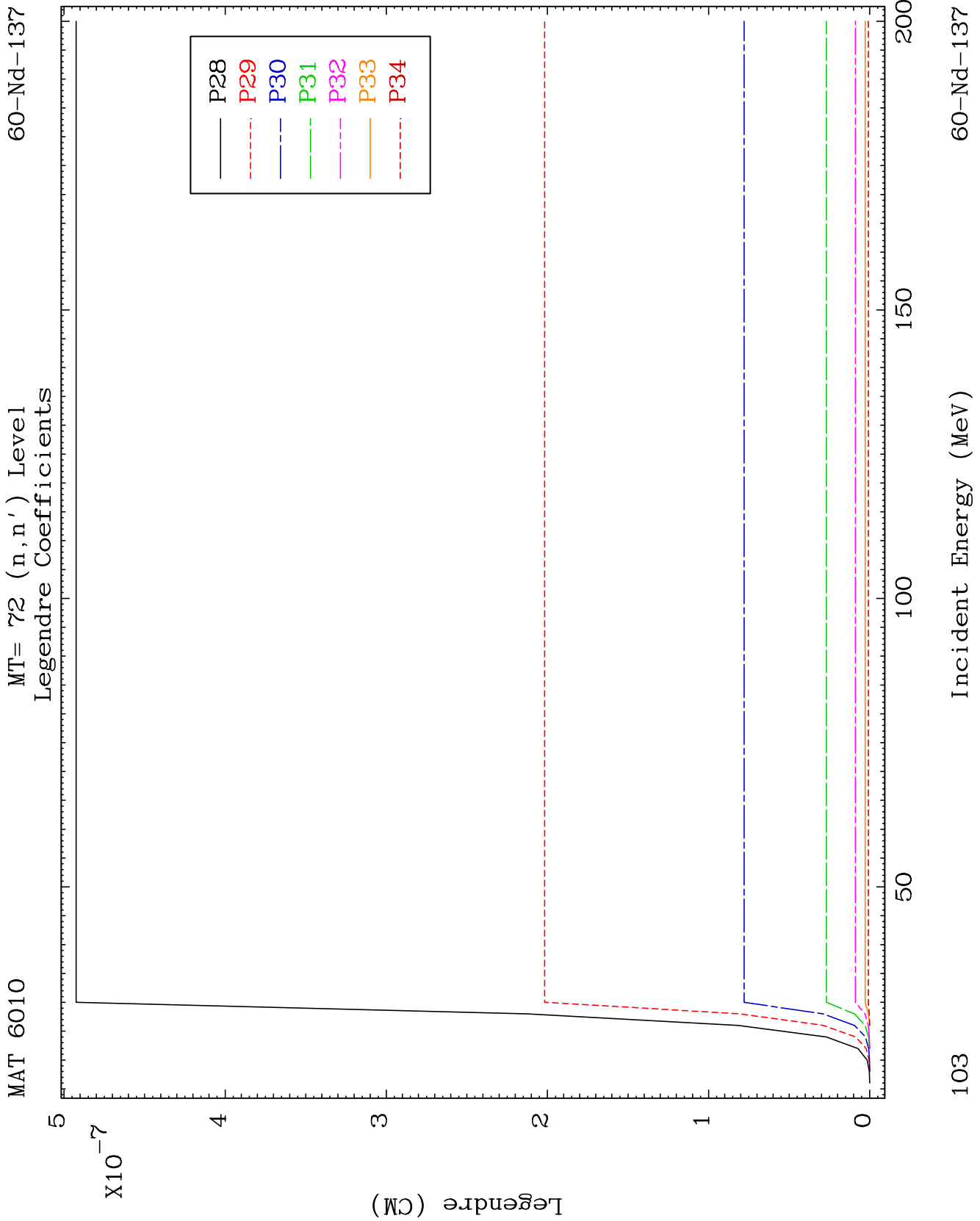








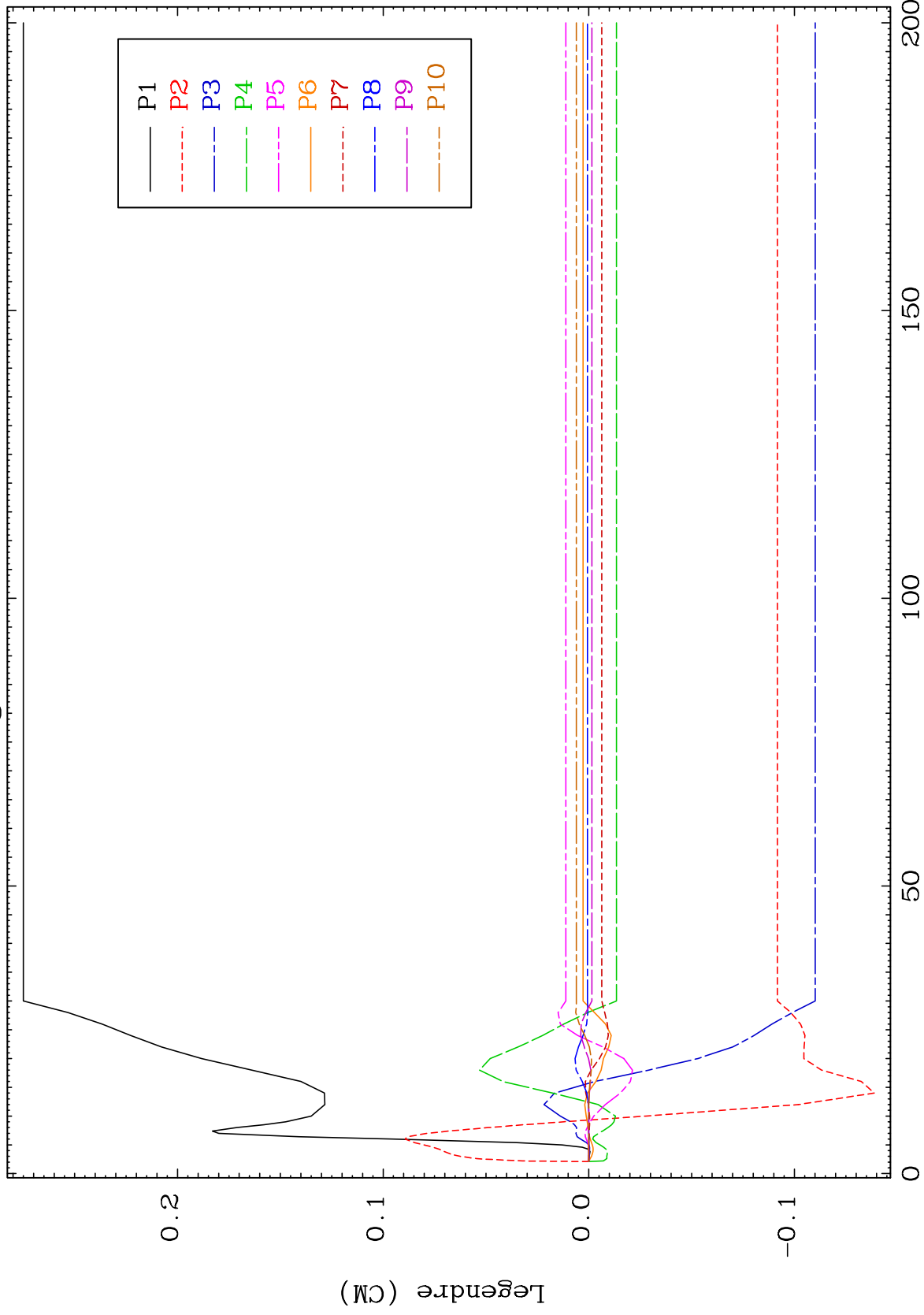




MAT 6010

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

60-Nd-137



60-Nd-137

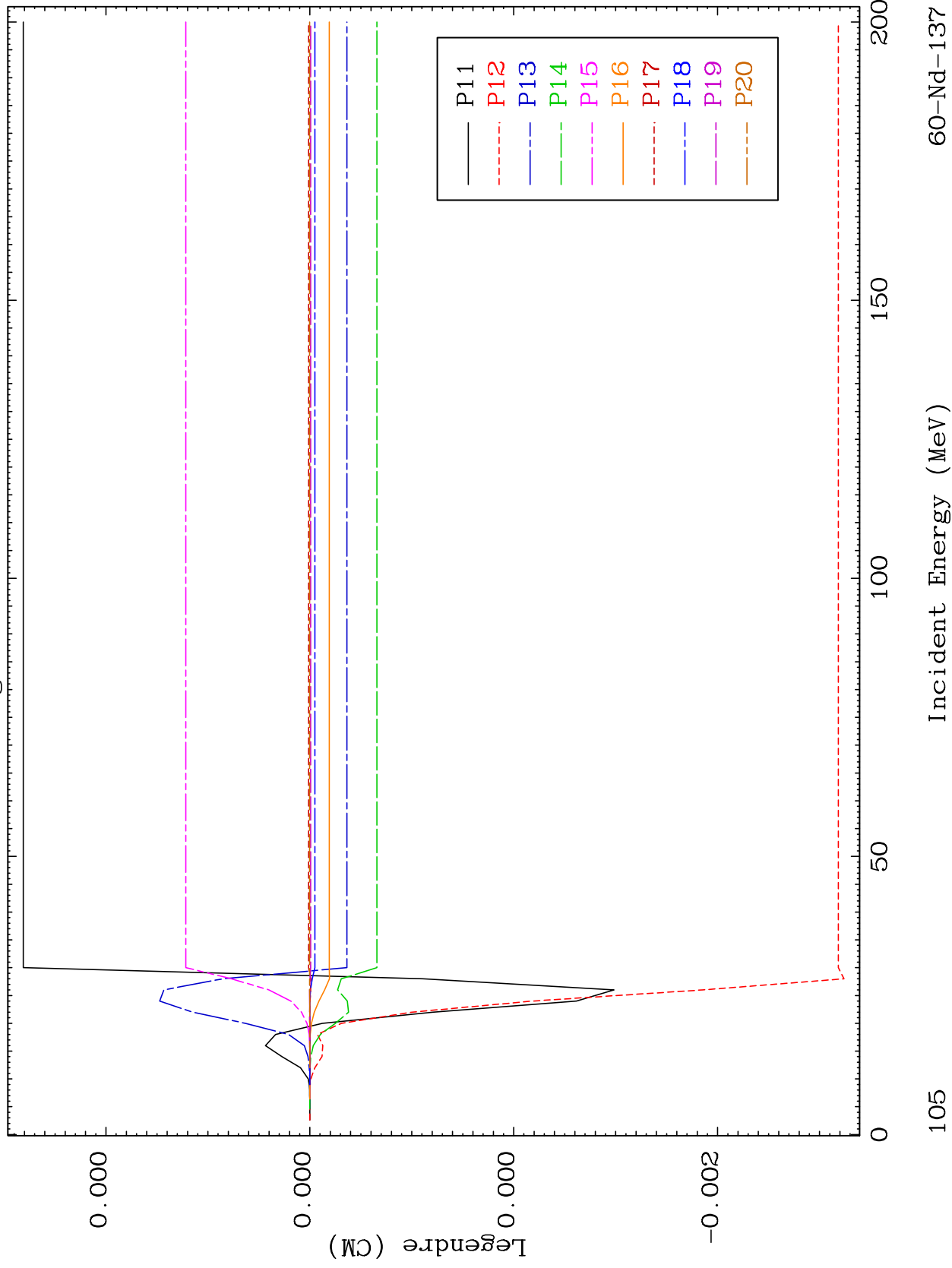
Incident Energy (MeV)

104

MAT 6010

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

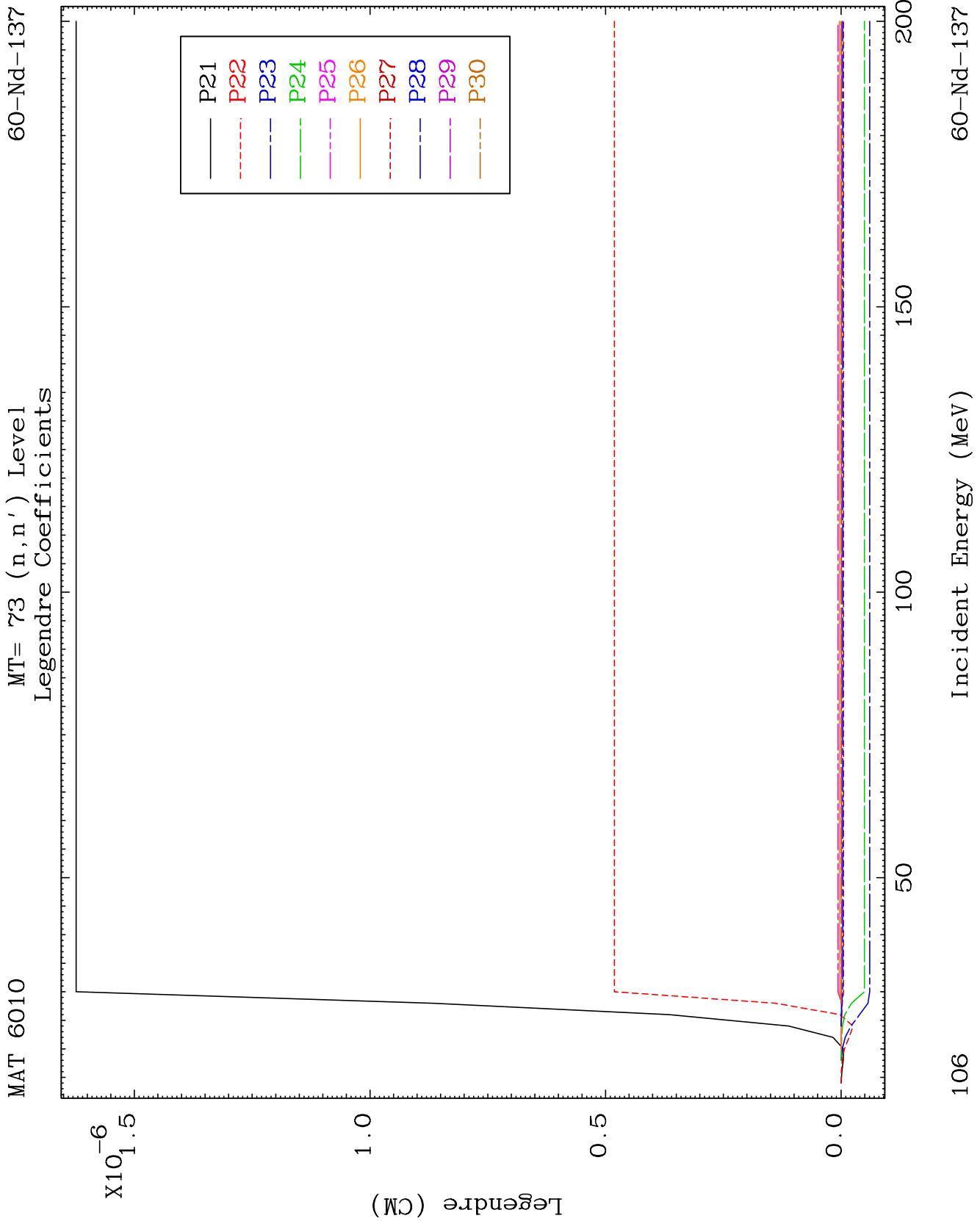
60-Nd-137



105

Incident Energy (MeV)

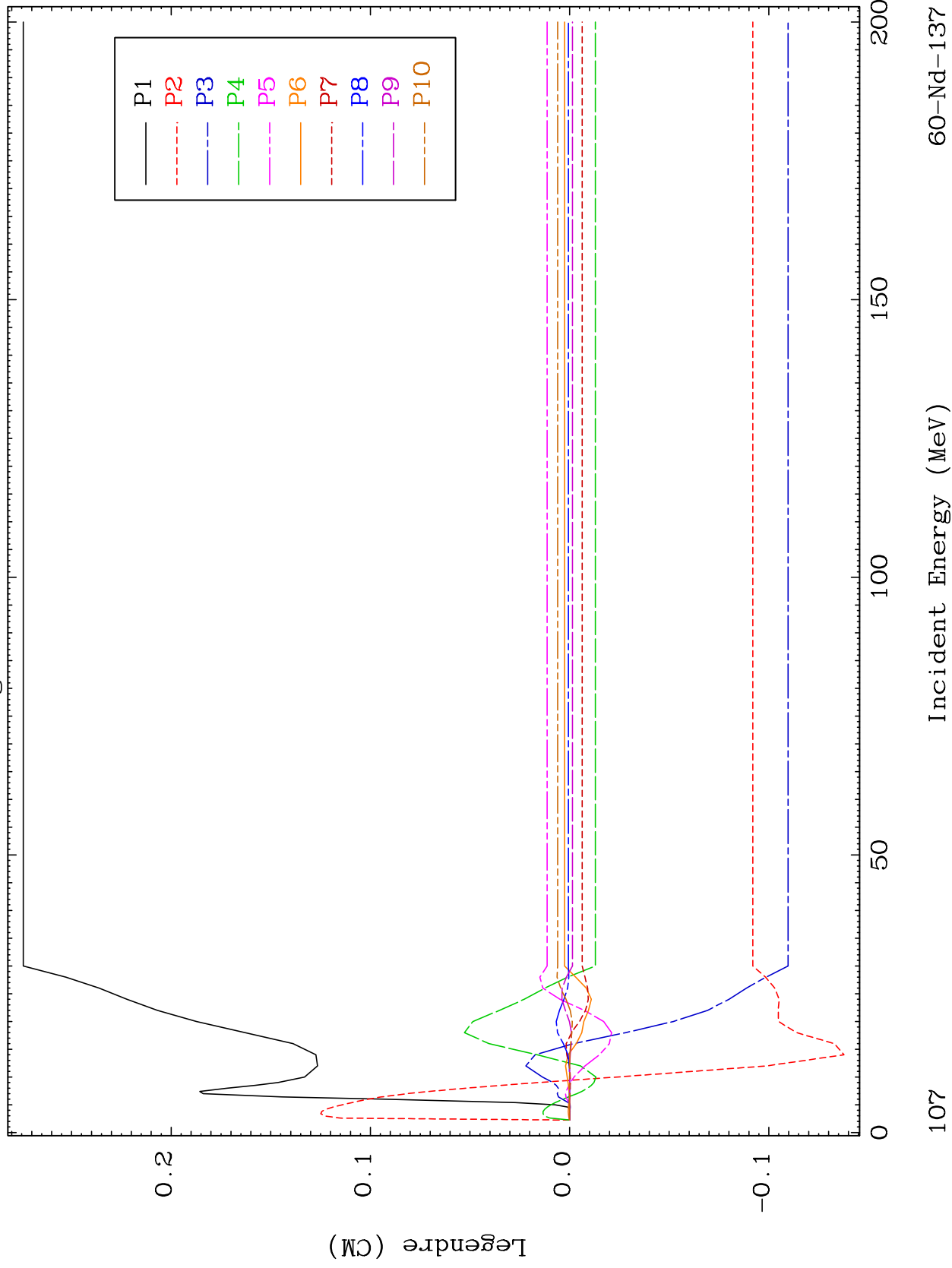
60-Nd-137



MAT 6010

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

60-Nd-137



60-Nd-137

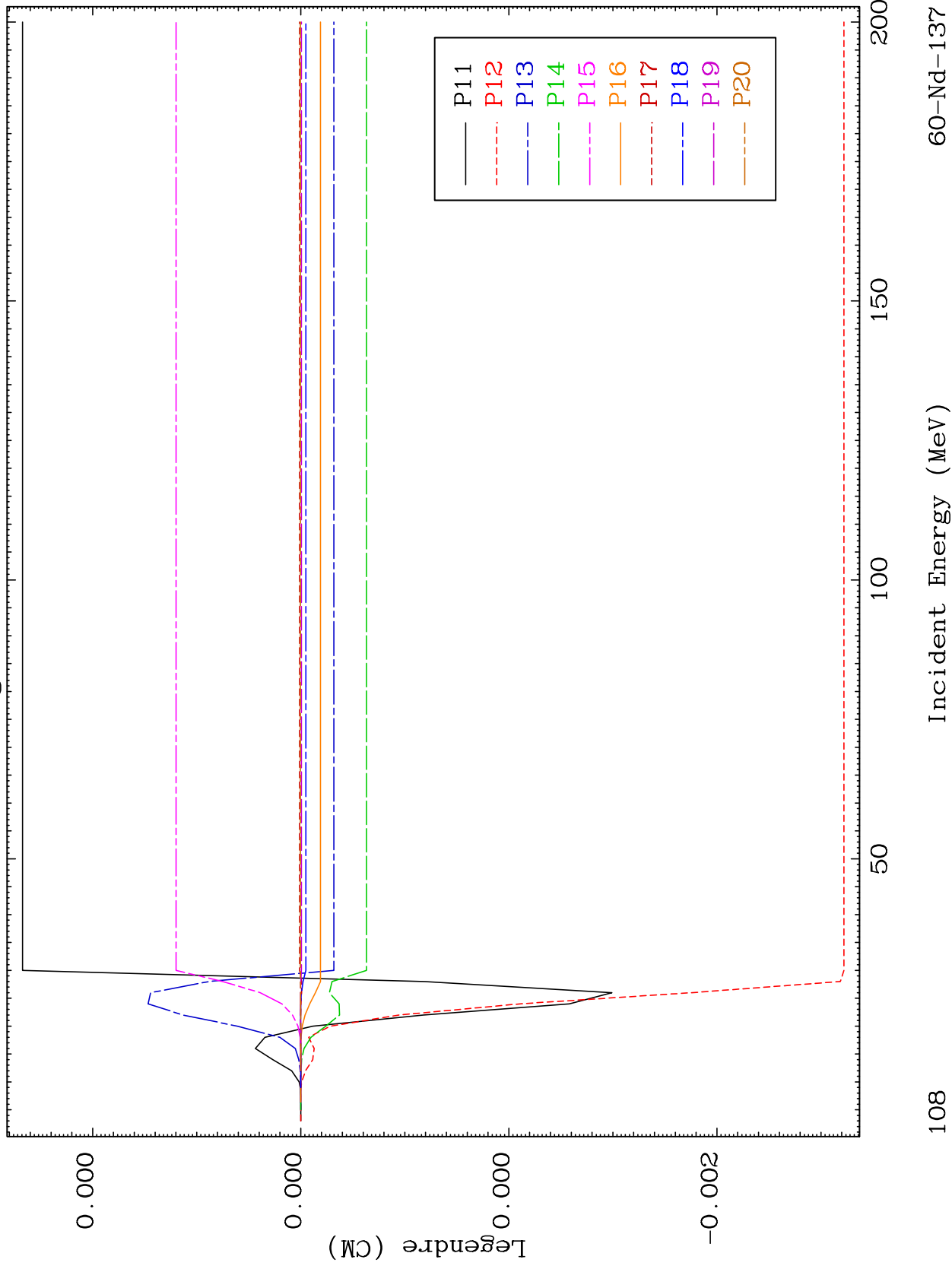
Incident Energy (MeV)

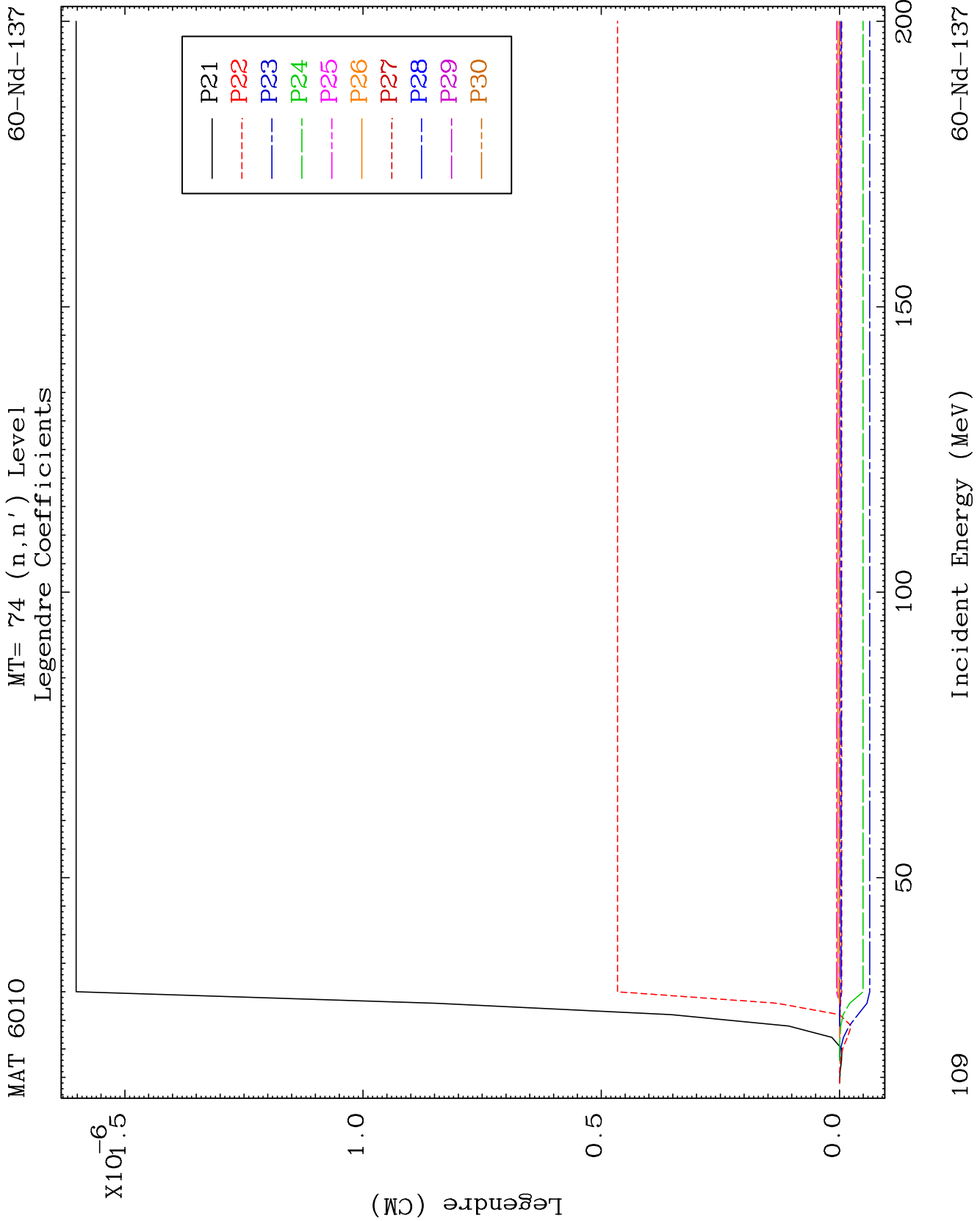
107

MAT 6010

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

60-Nd-137

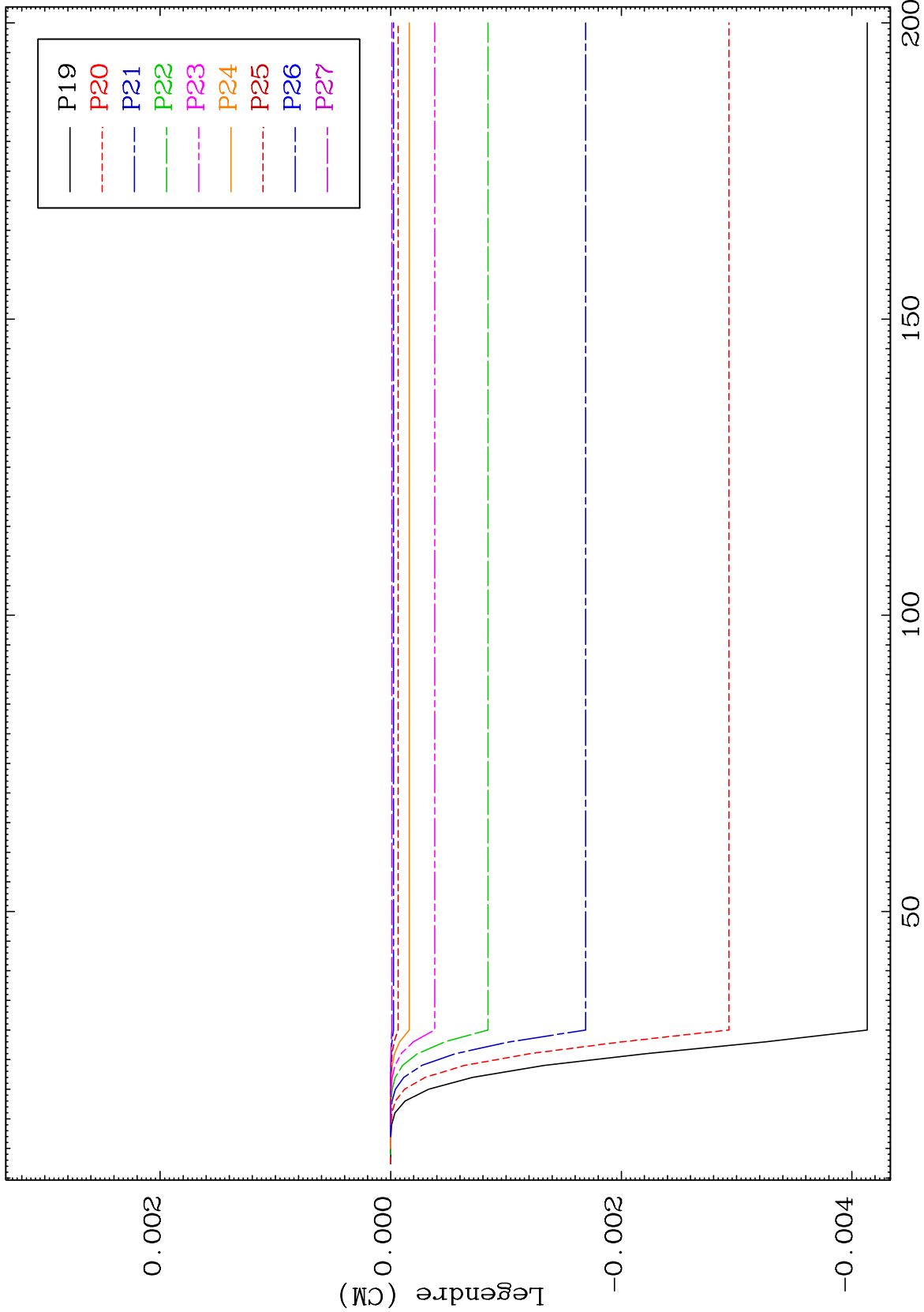




MAT 6010

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

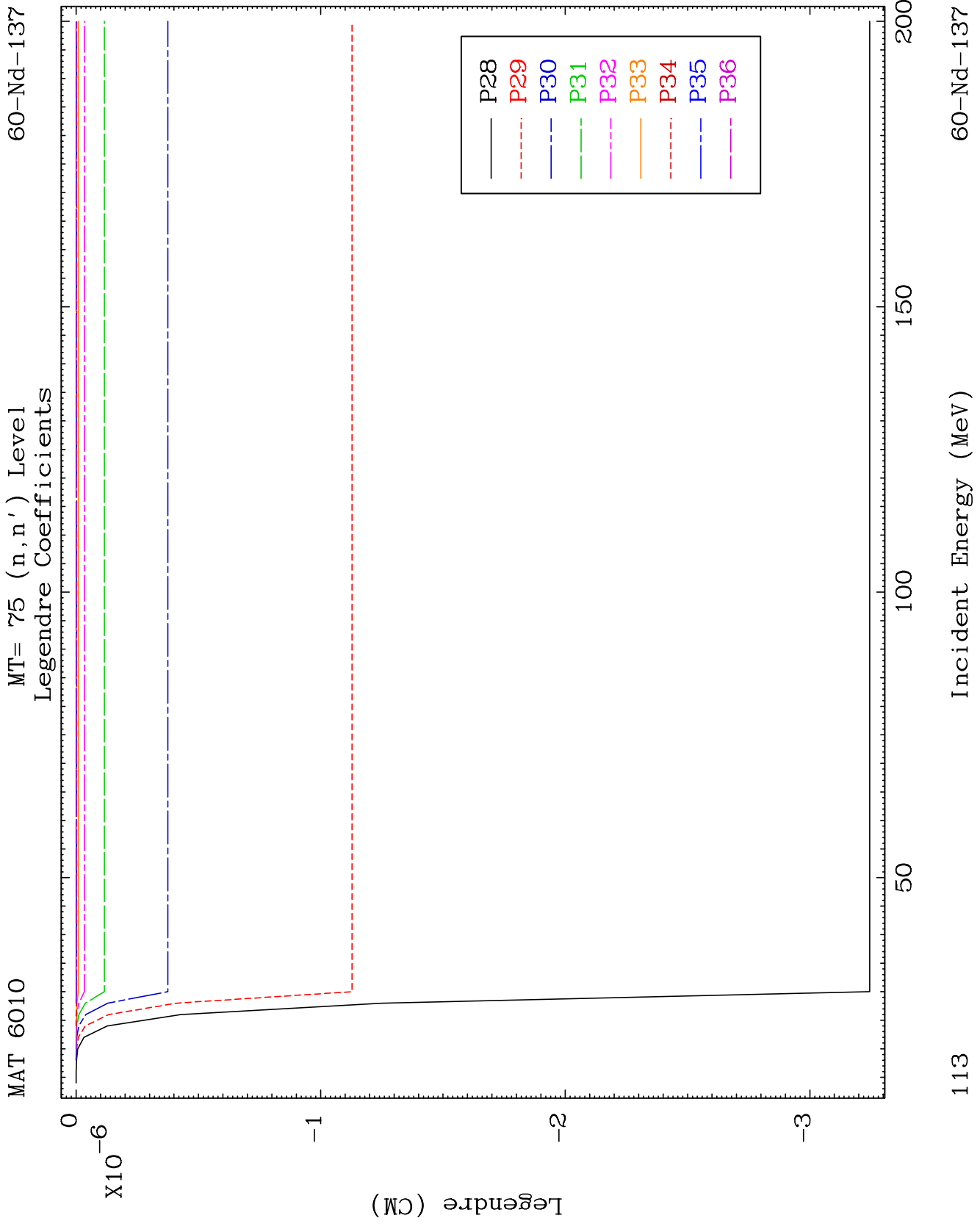
60-Nd-137



112

Incident Energy (MeV)

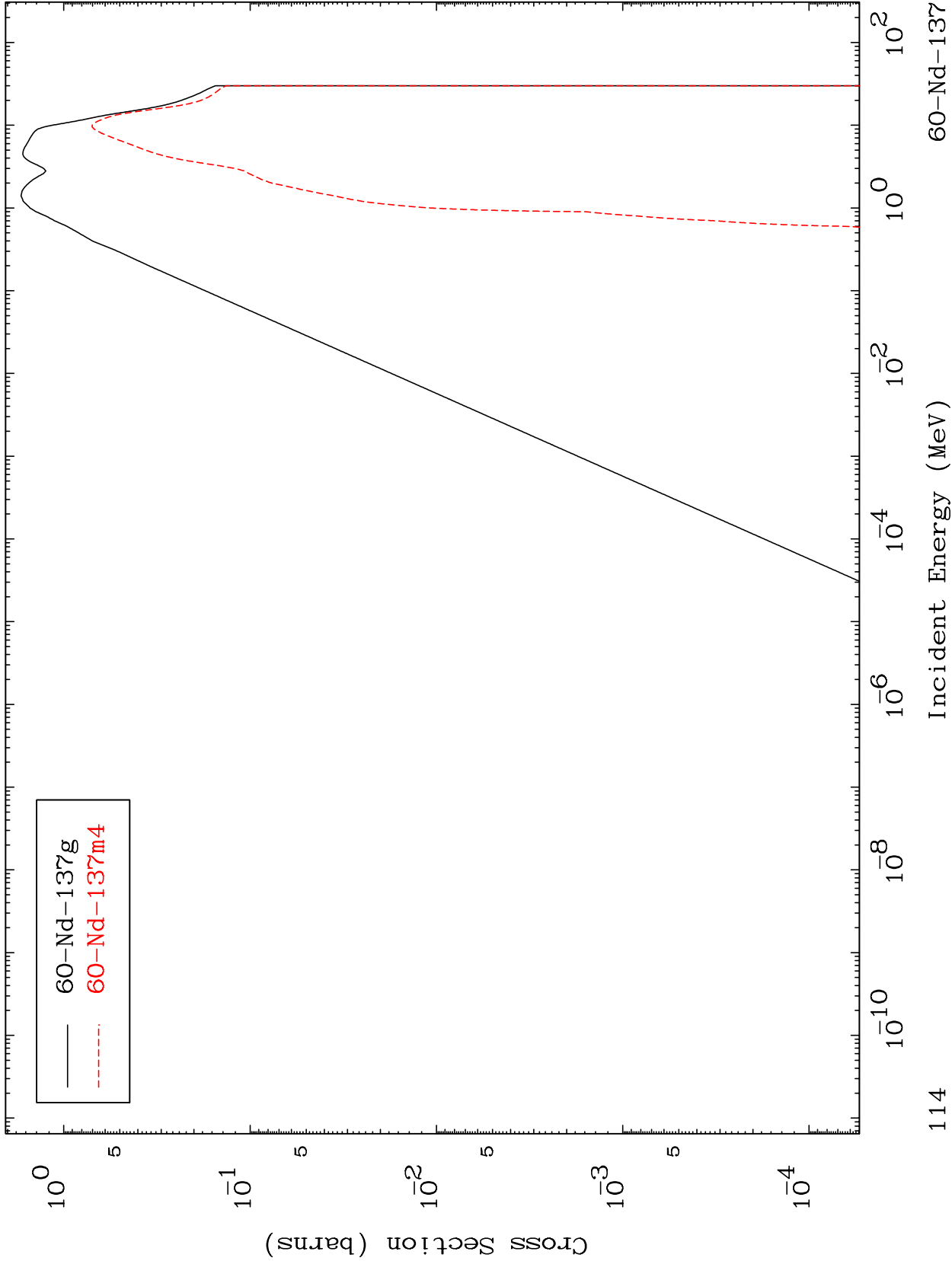
60-Nd-137



MAT 6010

Inelastic
Radionuclide Production Cross Section

60-Nd-137



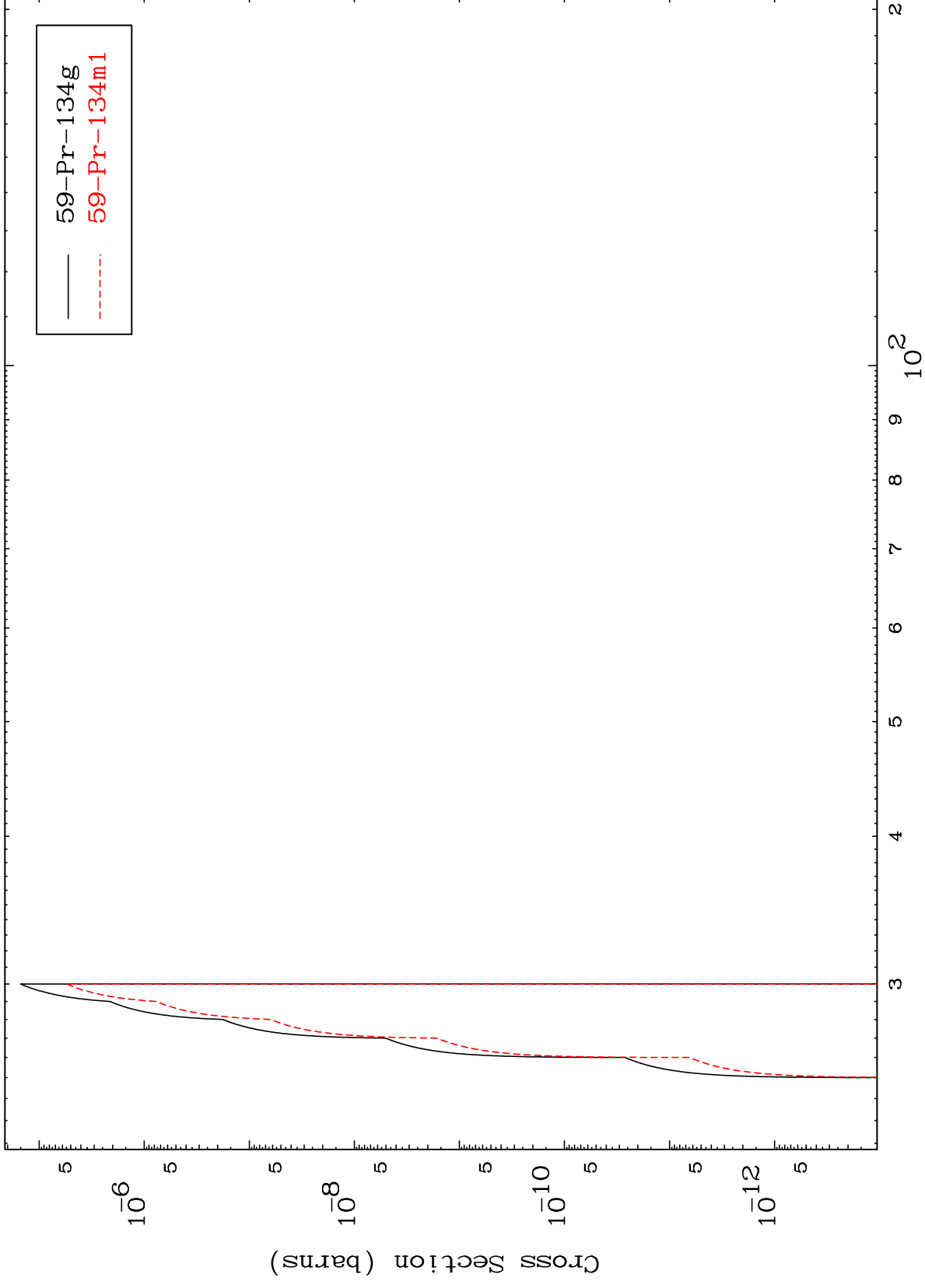
60-Nd-137g
60-Nd-137m4

MAT 6010

(n,2n) d

60-Nd-137

Radionuclide Production Cross Section



115

Incident Energy (MeV)

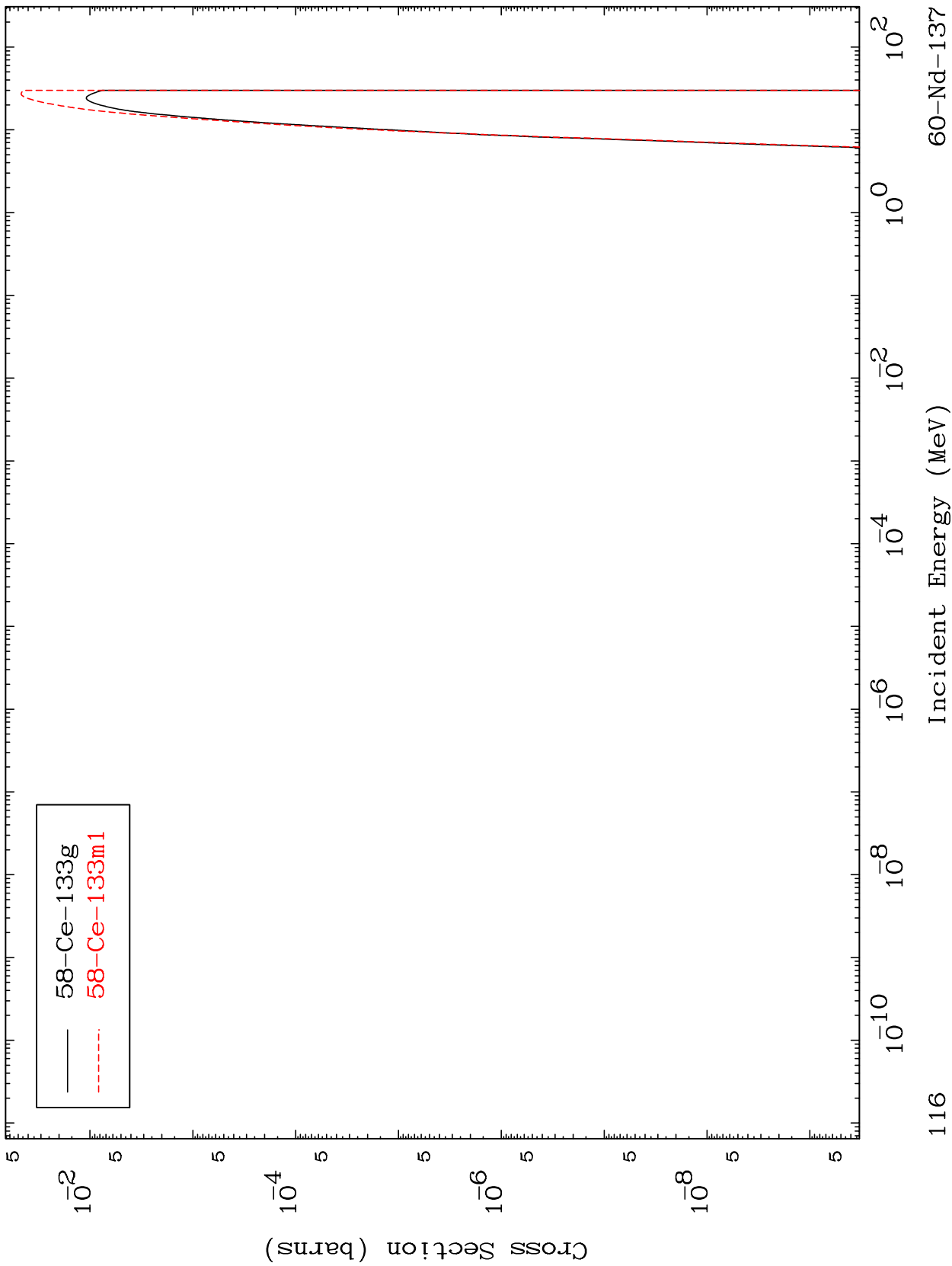
60-Nd-137

MAT 6010

(n, n') α

60-Nd-137

Radionuclide Production Cross Section



116

Incident Energy (MeV)

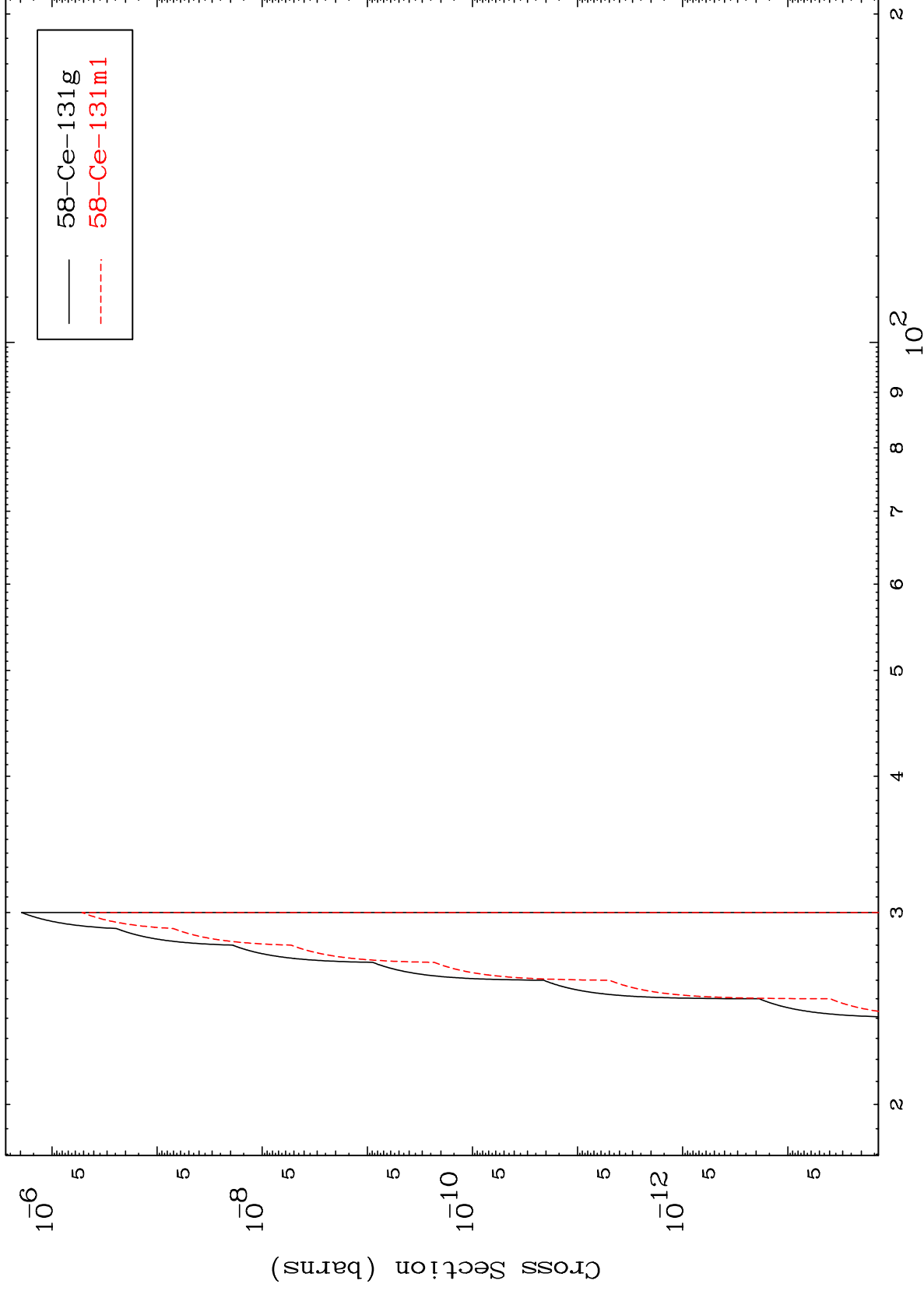
60-Nd-137

MAT 6010

(n,3n) α

60-Nd-137

Radionuclide Production Cross Section



117

Incident Energy (MeV)

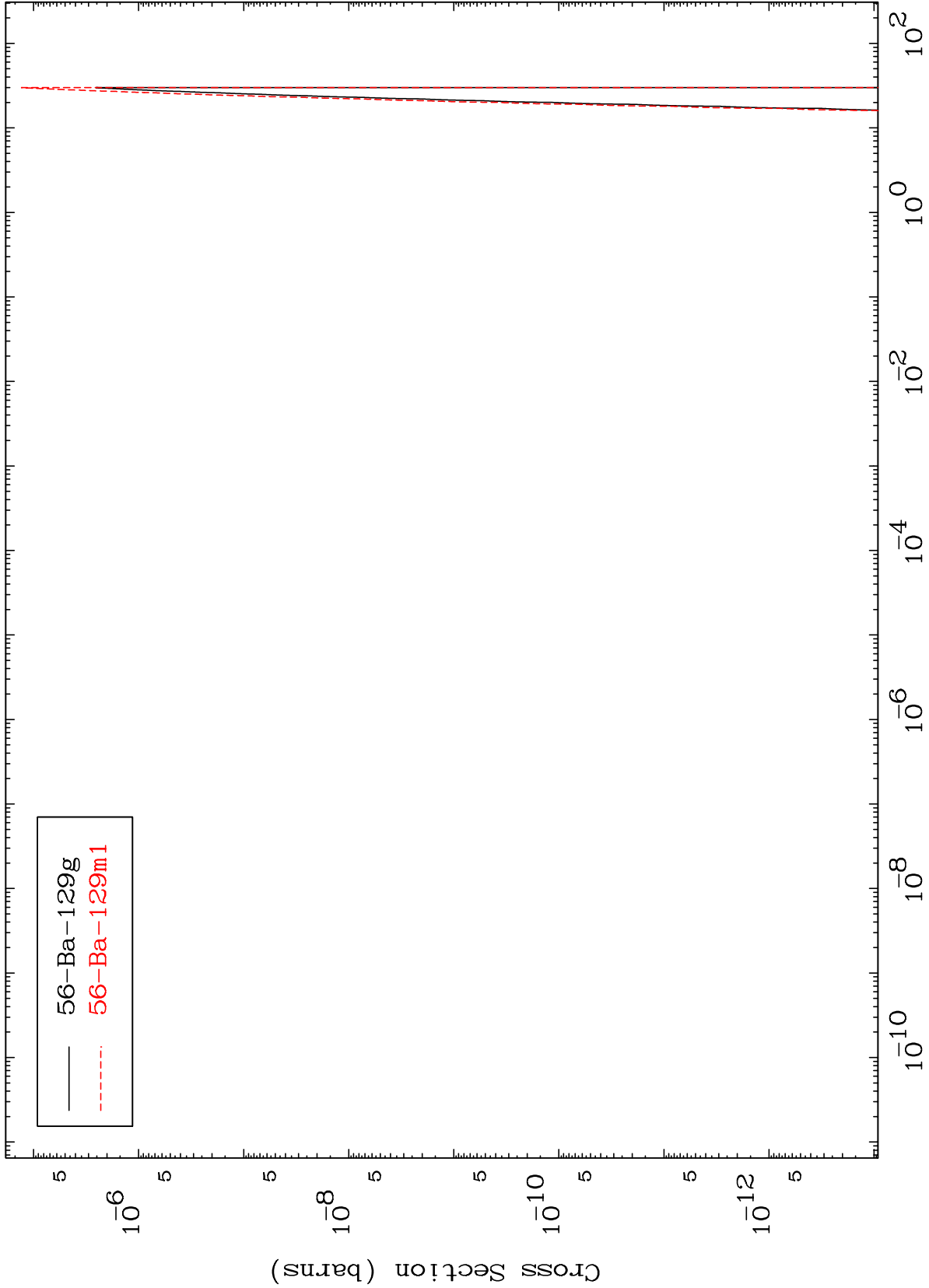
60-Nd-137

MAT 6010

(n,n') 2 α

60-Nd-137

Radionuclide Production Cross Section

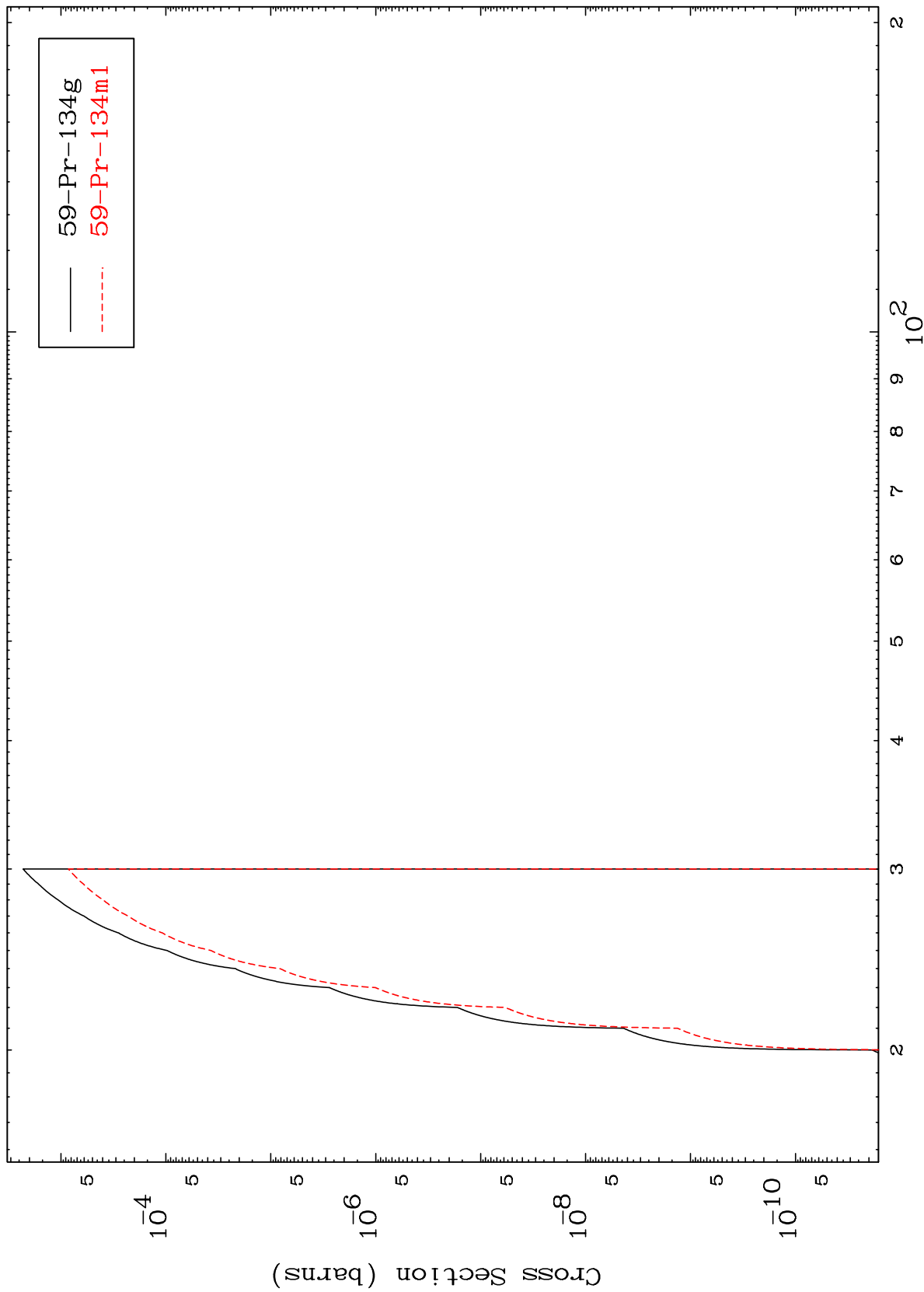


MAT 6010

(n,n') t

60-Nd-137

Radionuclide Production Cross Section



119

Incident Energy (MeV)

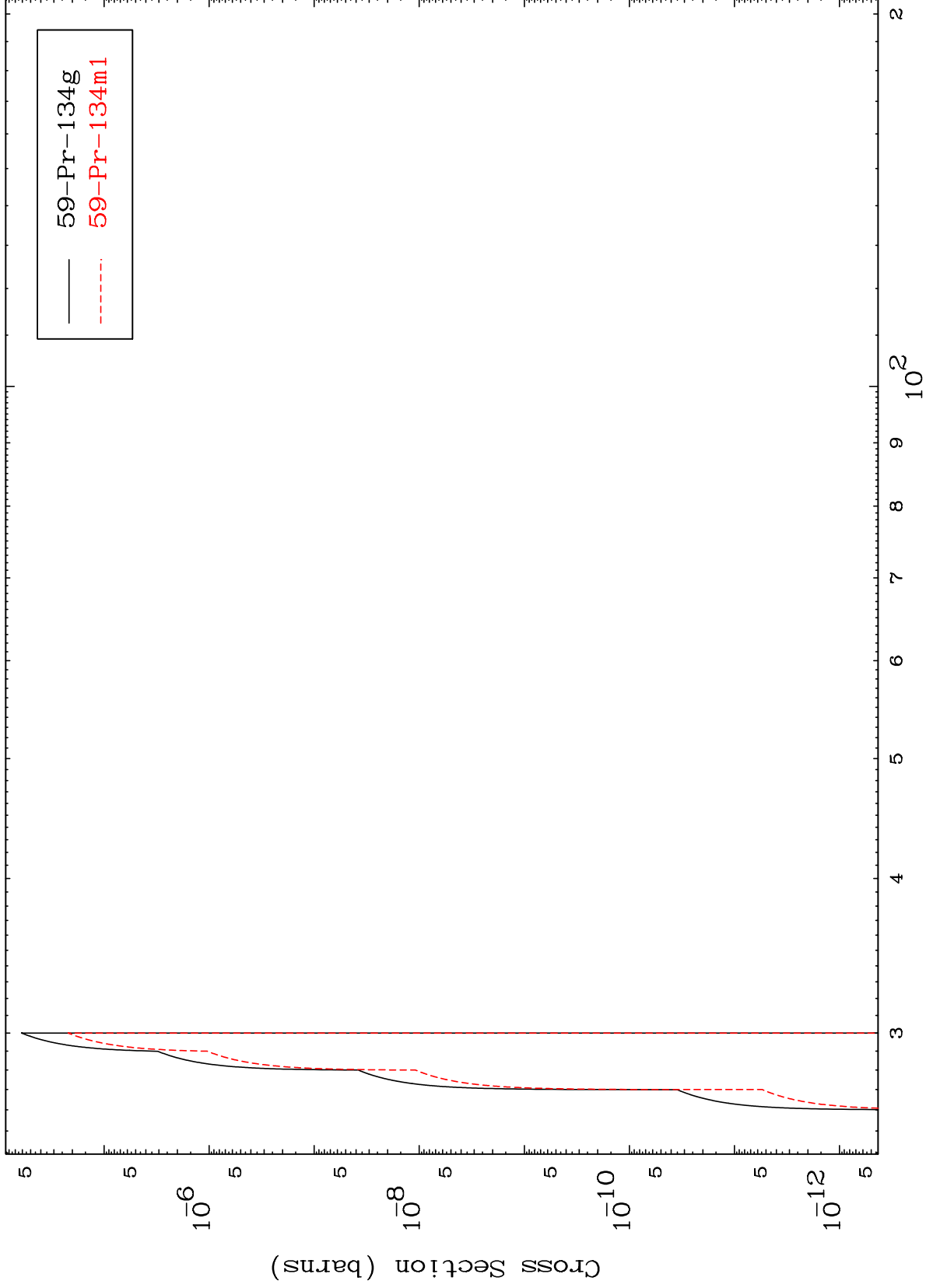
60-Nd-137

MAT 6010

(n,3n) p

60-Nd-137

Radionuclide Production Cross Section



120

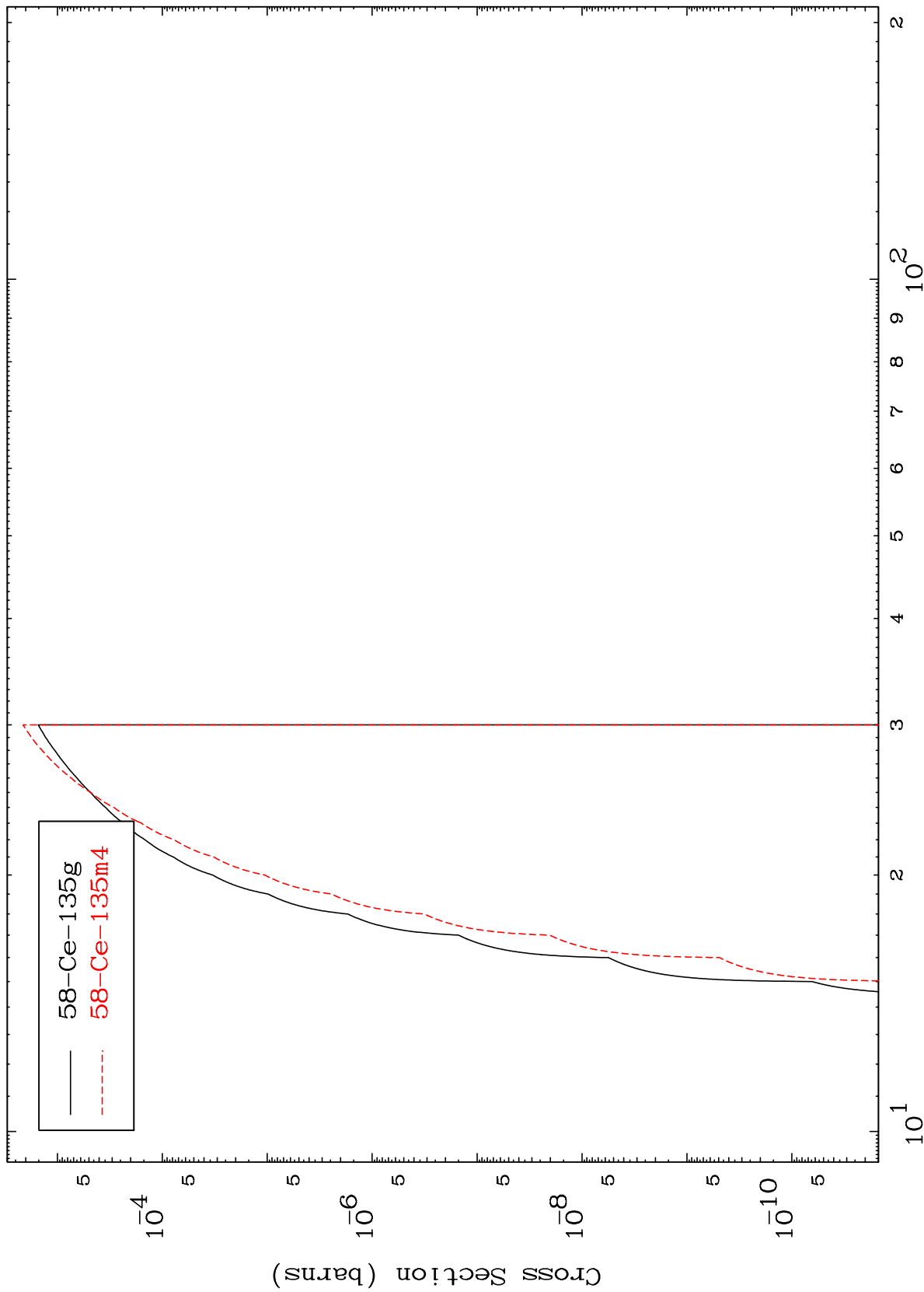
Incident Energy (MeV)

60-Nd-137

MAT 6010

60-Nd-137

(n,2n) p
Radionuclide Production Cross Section



60-Nd-137

Incident Energy (MeV)

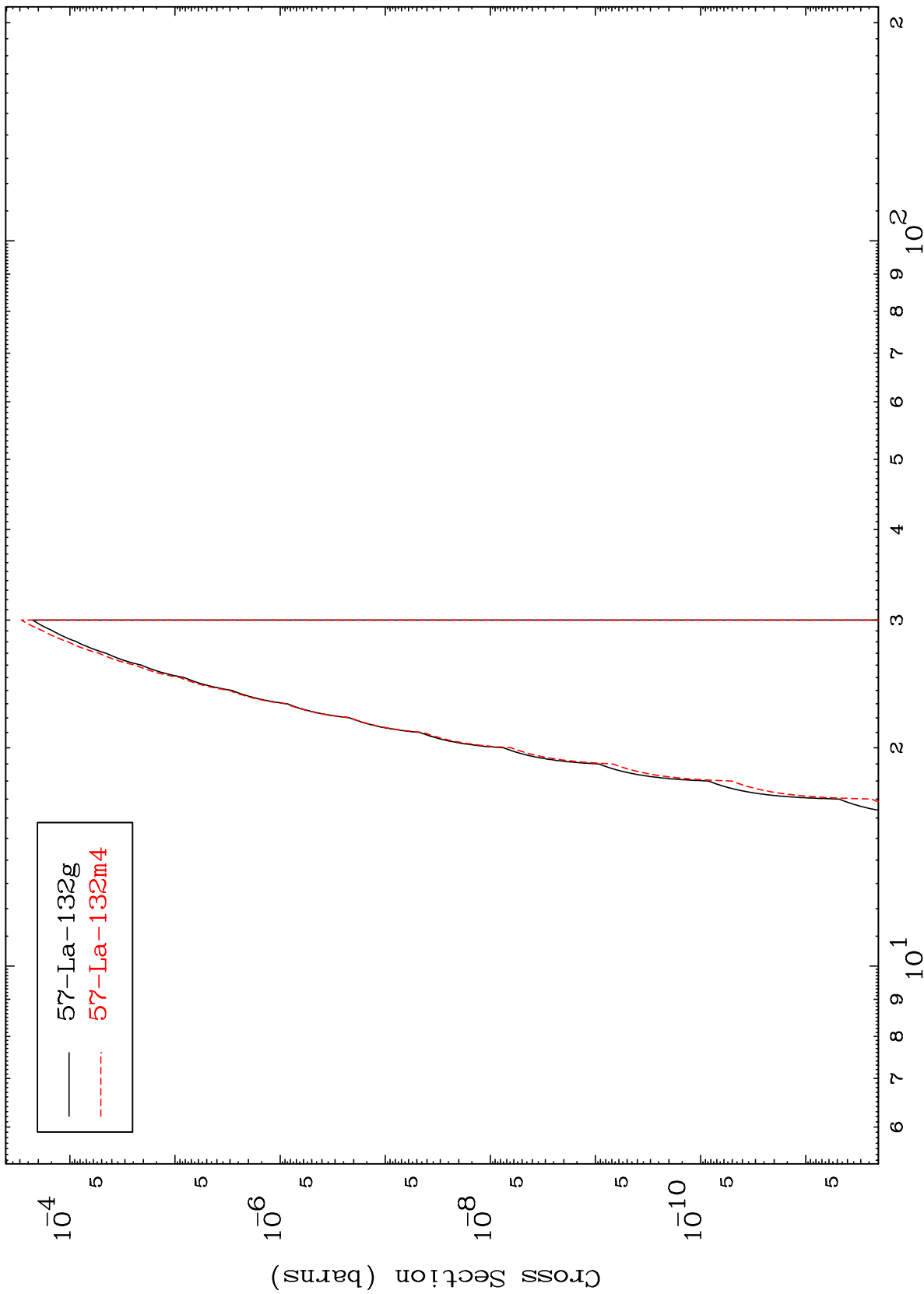
121

MAT 6010

(n,n') p α

60-Nd-137

Radionuclide Production Cross Section



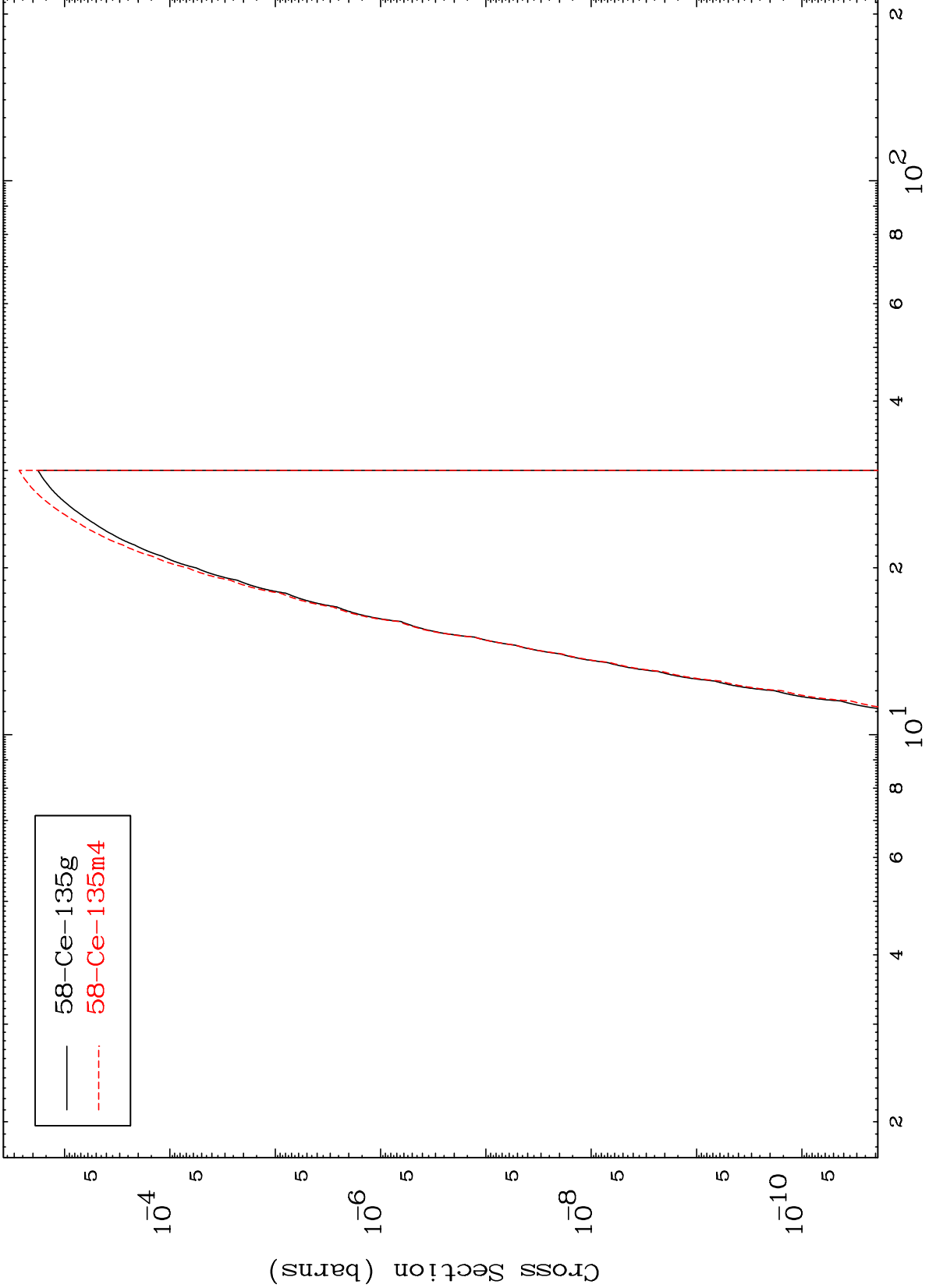
— 57-La-132g
- - - 57-La-132m4

MAT 6010

(n,He-3)

60-Nd-137

Radionuclide Production Cross Section



123

Incident Energy (MeV)

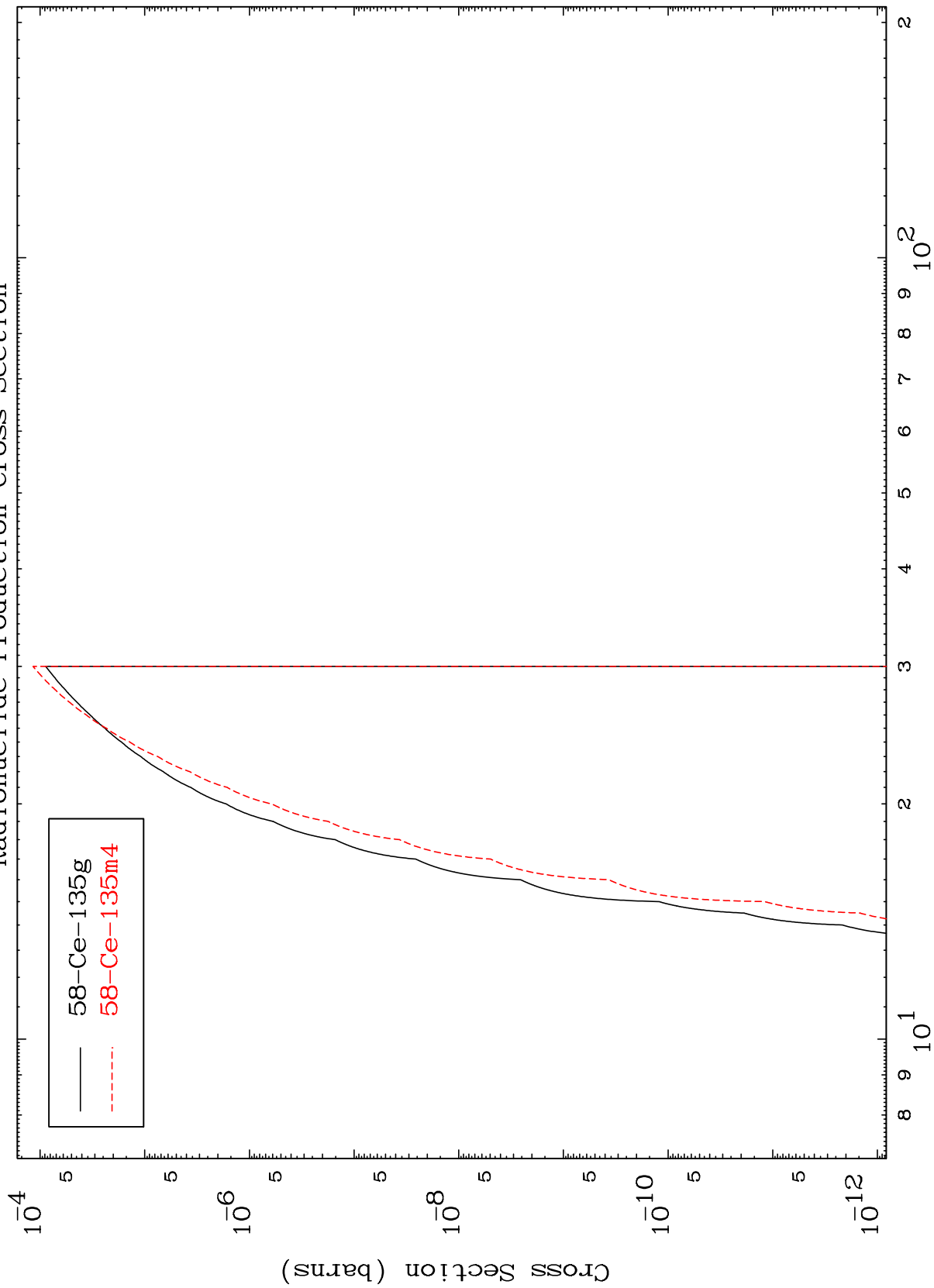
60-Nd-137

MAT 6010

(n,p) d

60-Nd-137

Radionuclide Production Cross Section



124

Incident Energy (MeV)

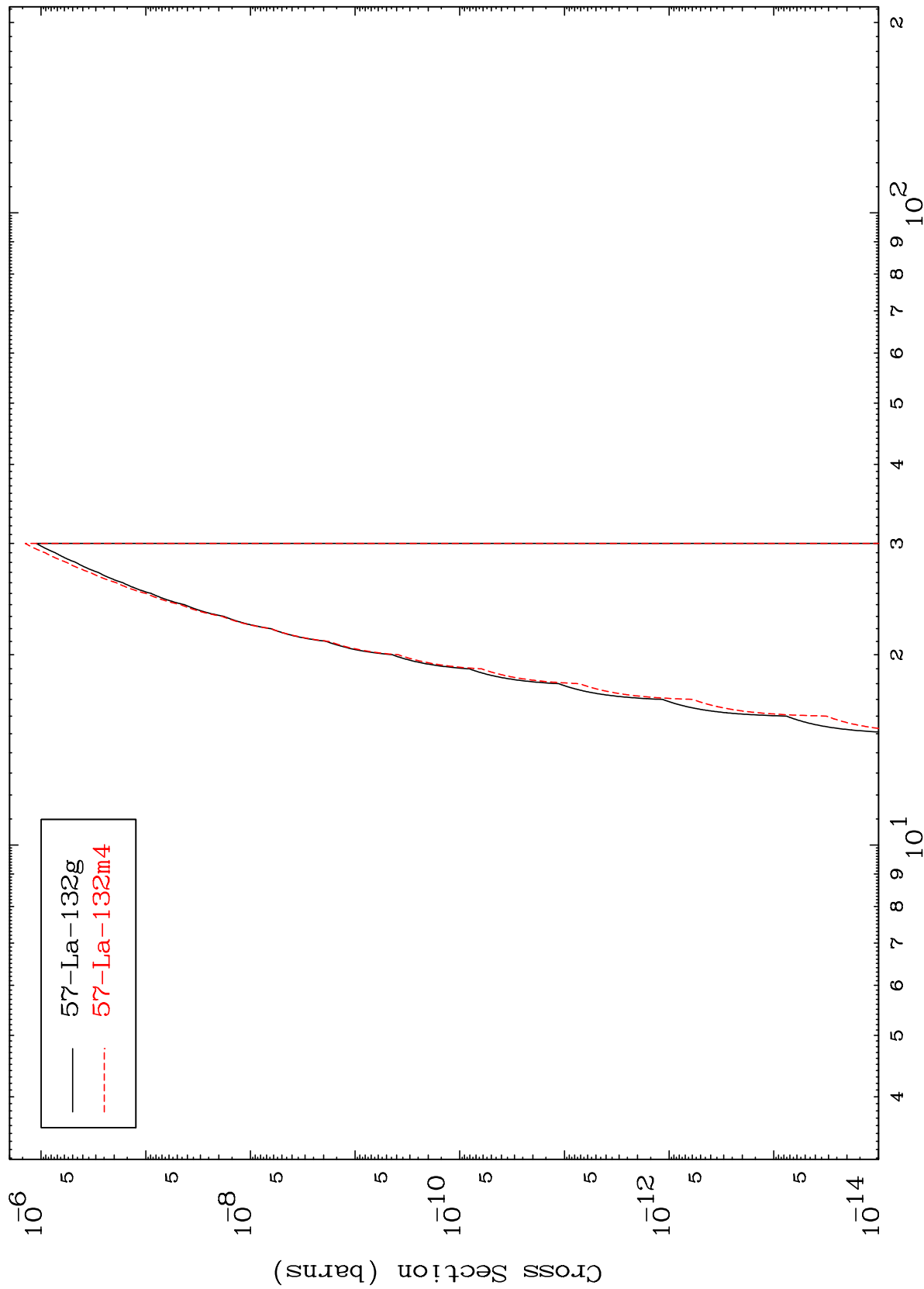
60-Nd-137

MAT 6010

(n,d) α

60-Nd-137

Radionuclide Production Cross Section



125

Incident Energy (MeV)

60-Nd-137