

Program EVALPLOT
(Version 2018-1)

by

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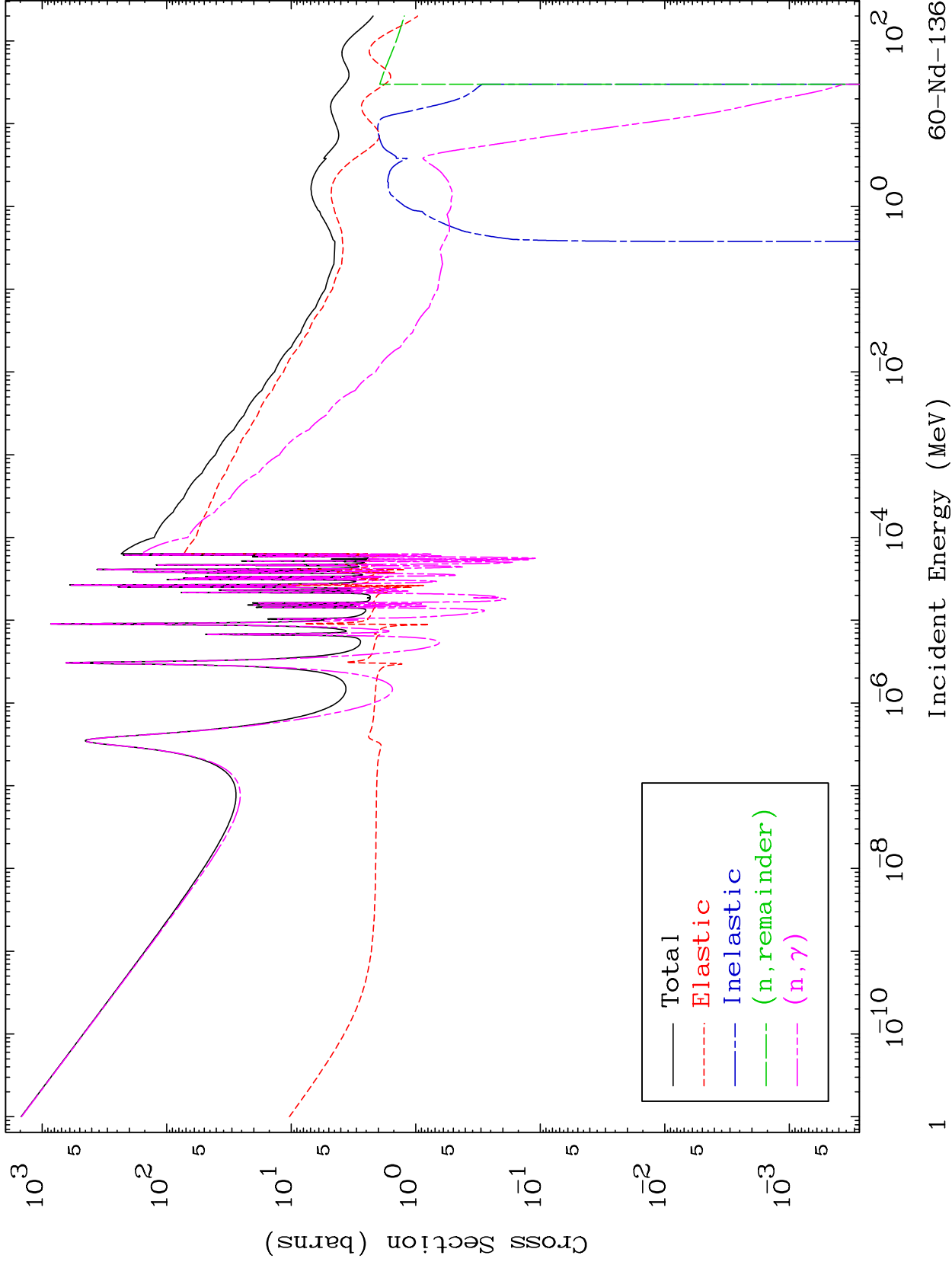
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6007

Major
293 Kelvin Cross Sections

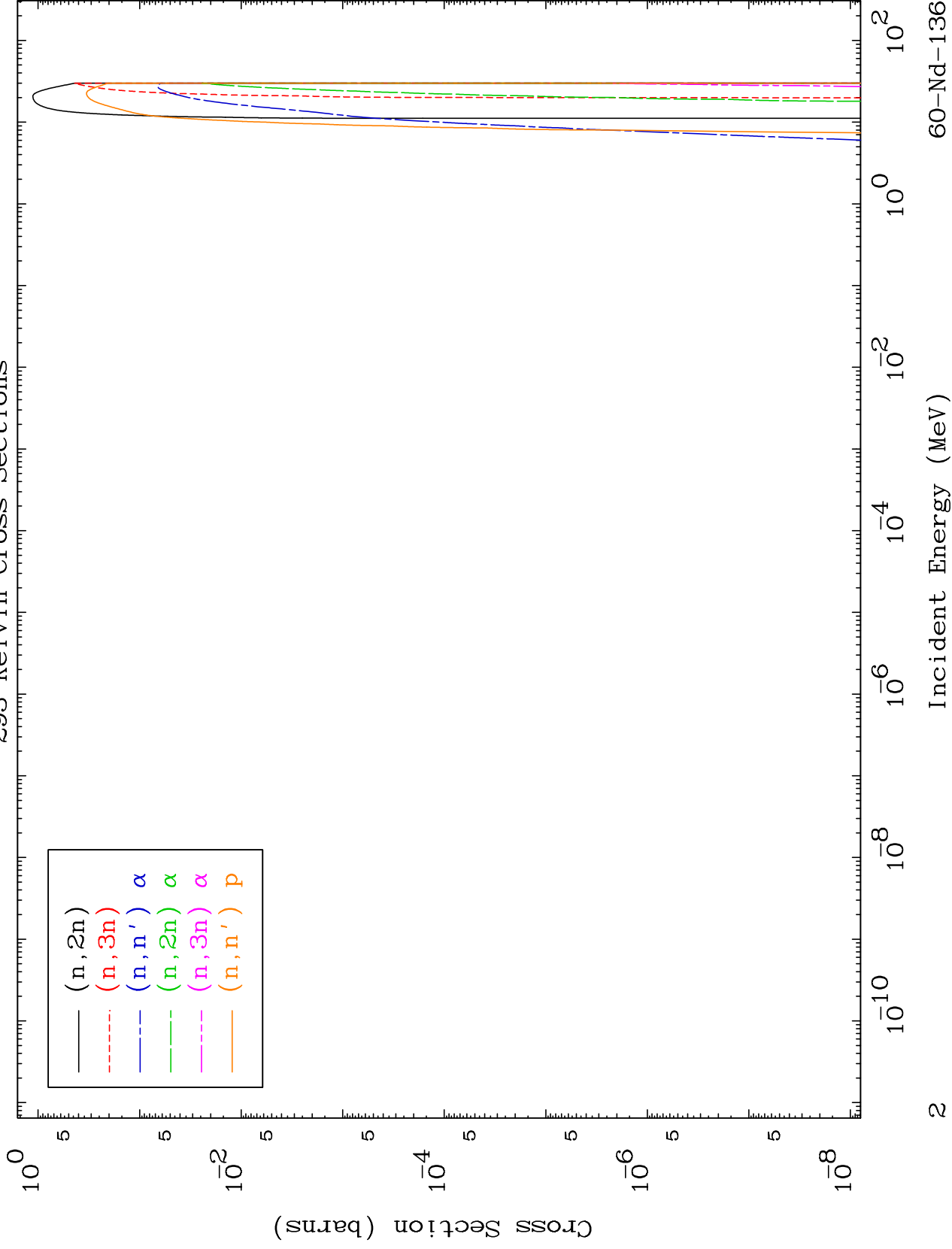
60-Nd-136



MAT 6007

Neutron Production
293 Kelvin Cross Sections

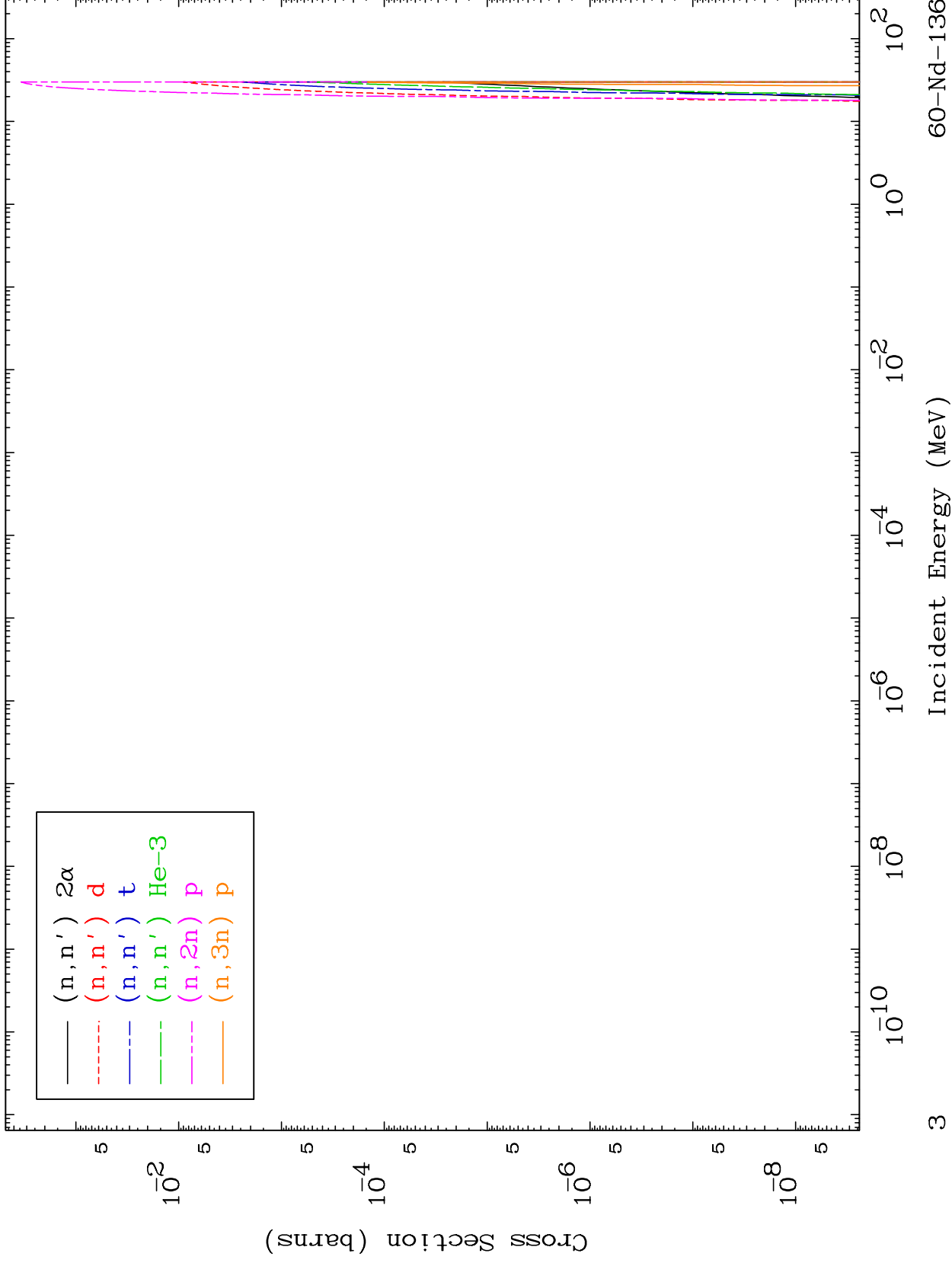
60-Nd-136



MAT 6007

Neutron Production
293 Kelvin Cross Sections

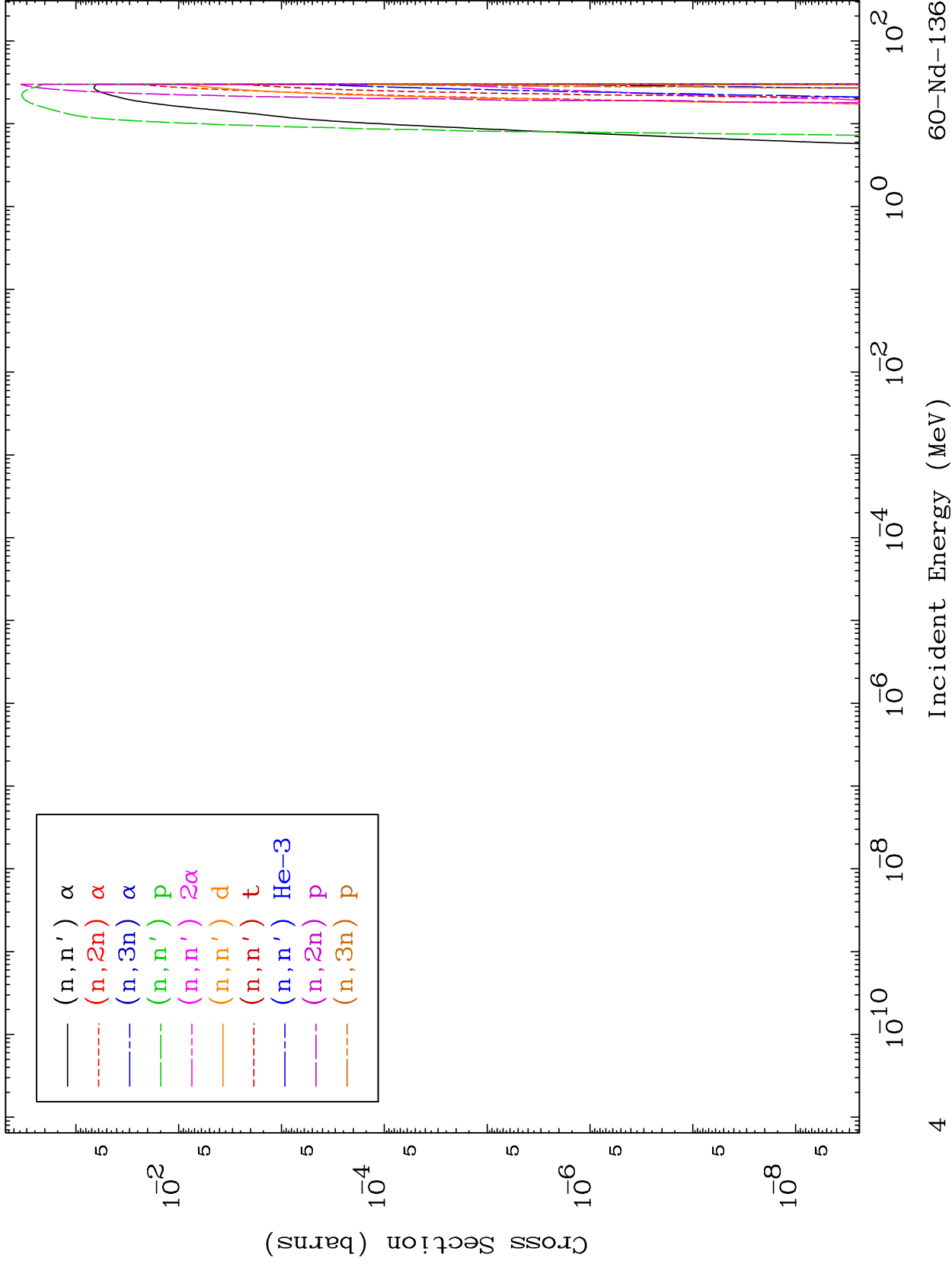
60-Nd-136



MAT 6007

Charged Particle
293 Kelvin Cross Sections

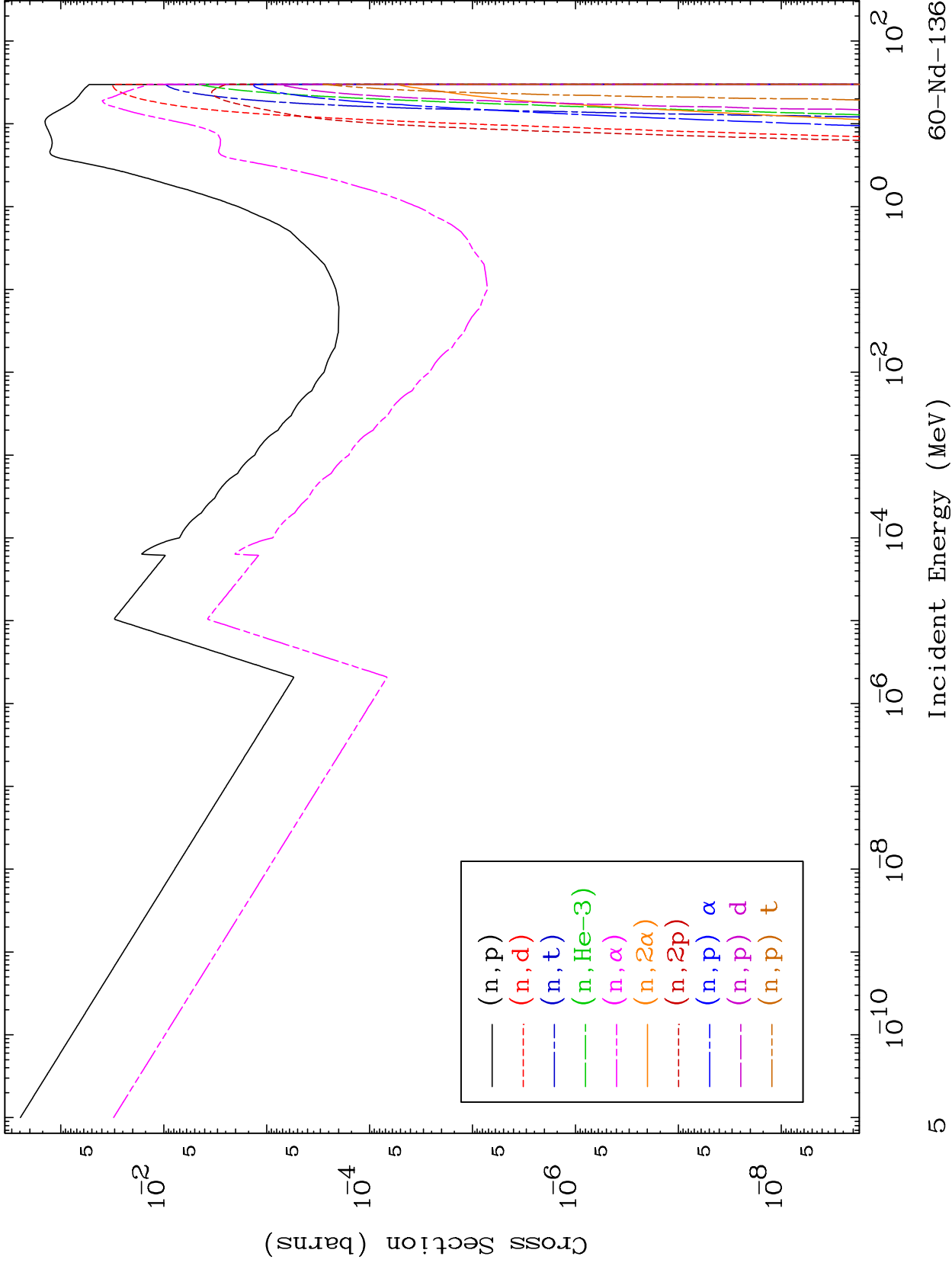
60-Nd-136



MAT 6007

Charged Particle
293 Kelvin Cross Sections

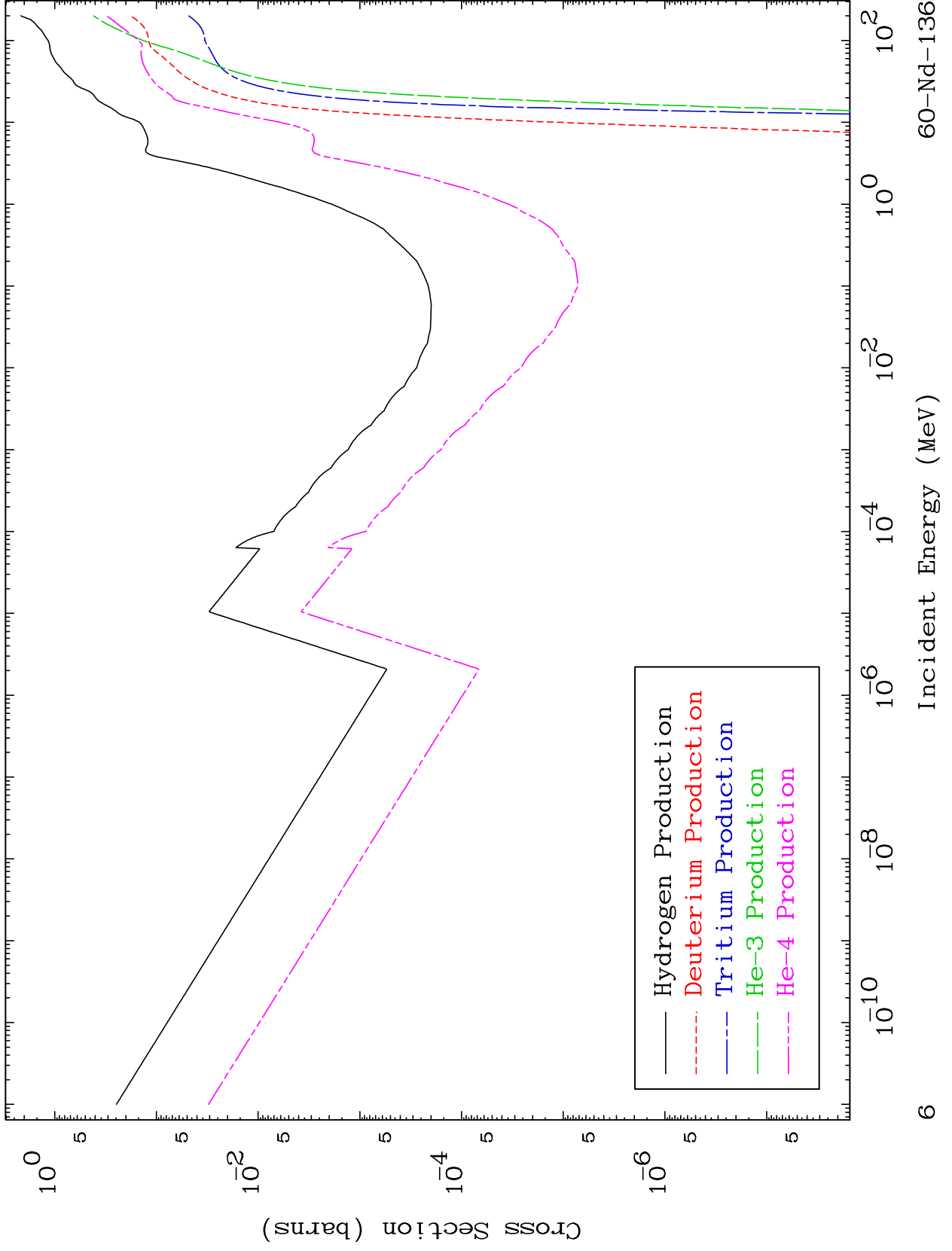
60-Nd-136



MAT 6007

Particle Production
293 Kelvin Cross Sections

60-Nd-136

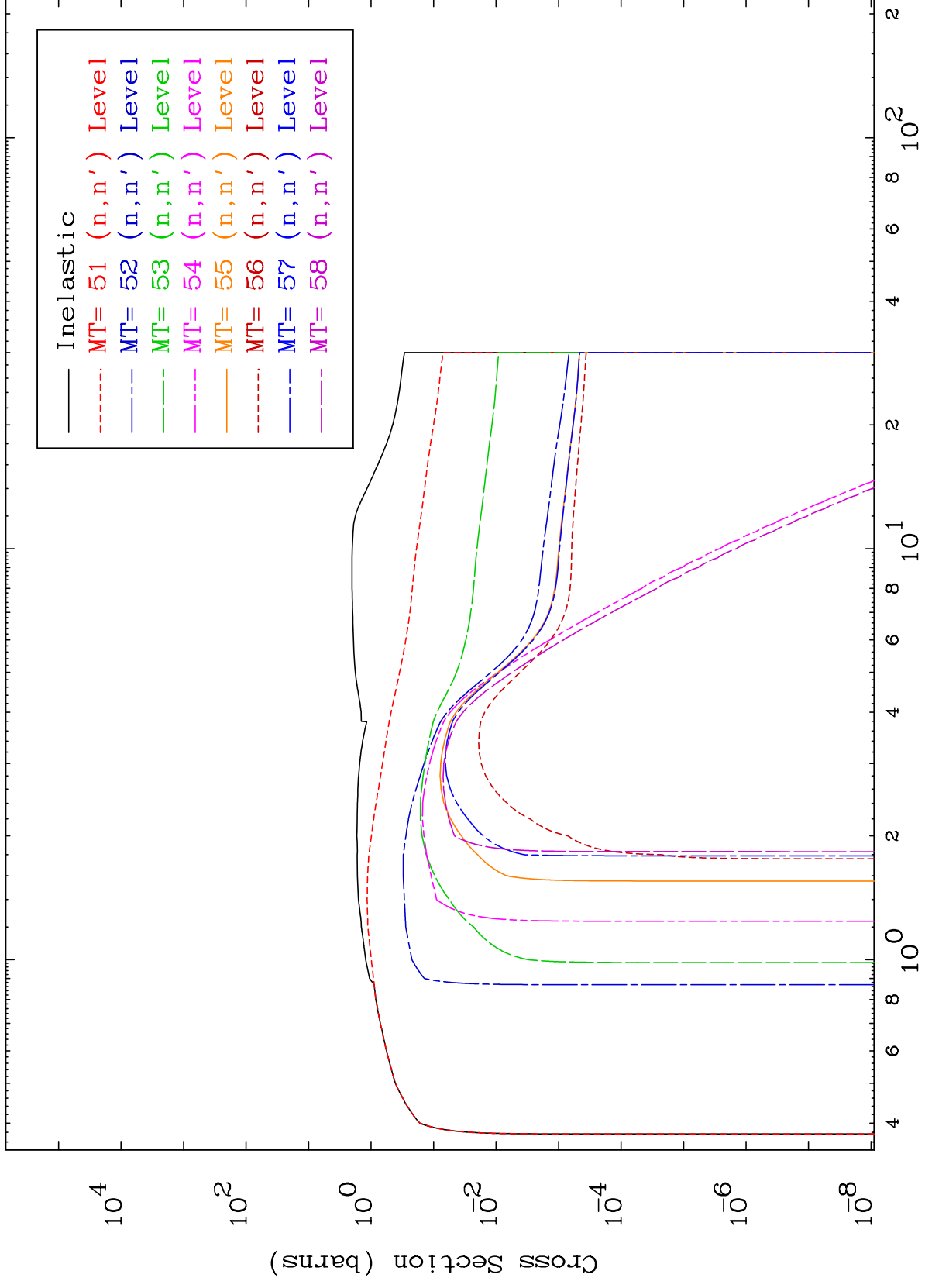


MAT 6007

(n,n') Level

60-Nd-136

293 Kelvin Cross Sections



7

Incident Energy (MeV)

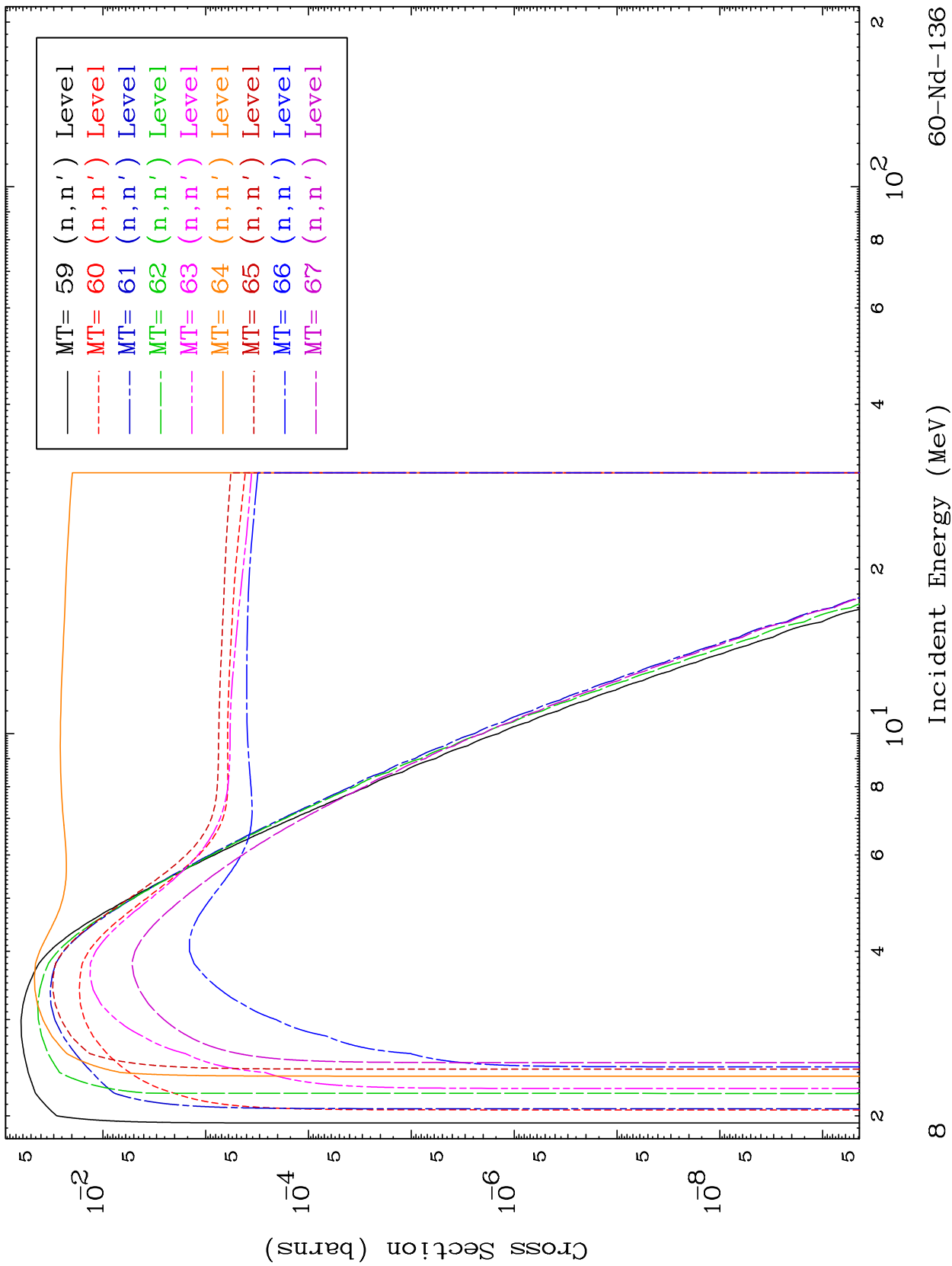
60-Nd-136

MAT 6007

(n,n') Level

293 Kelvin Cross Sections

60-Nd-136

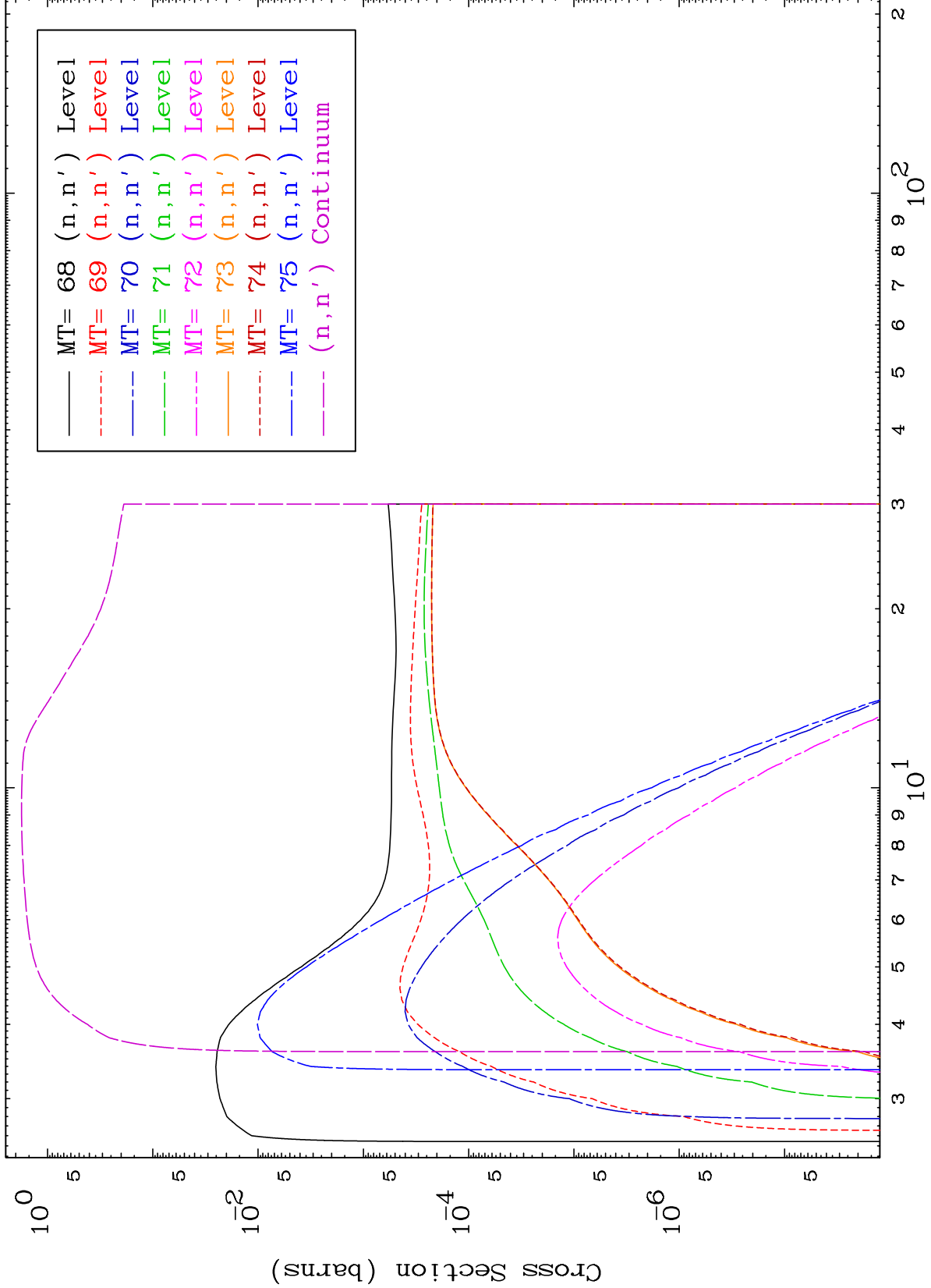


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Incident Energy (MeV)

60-Nd-136

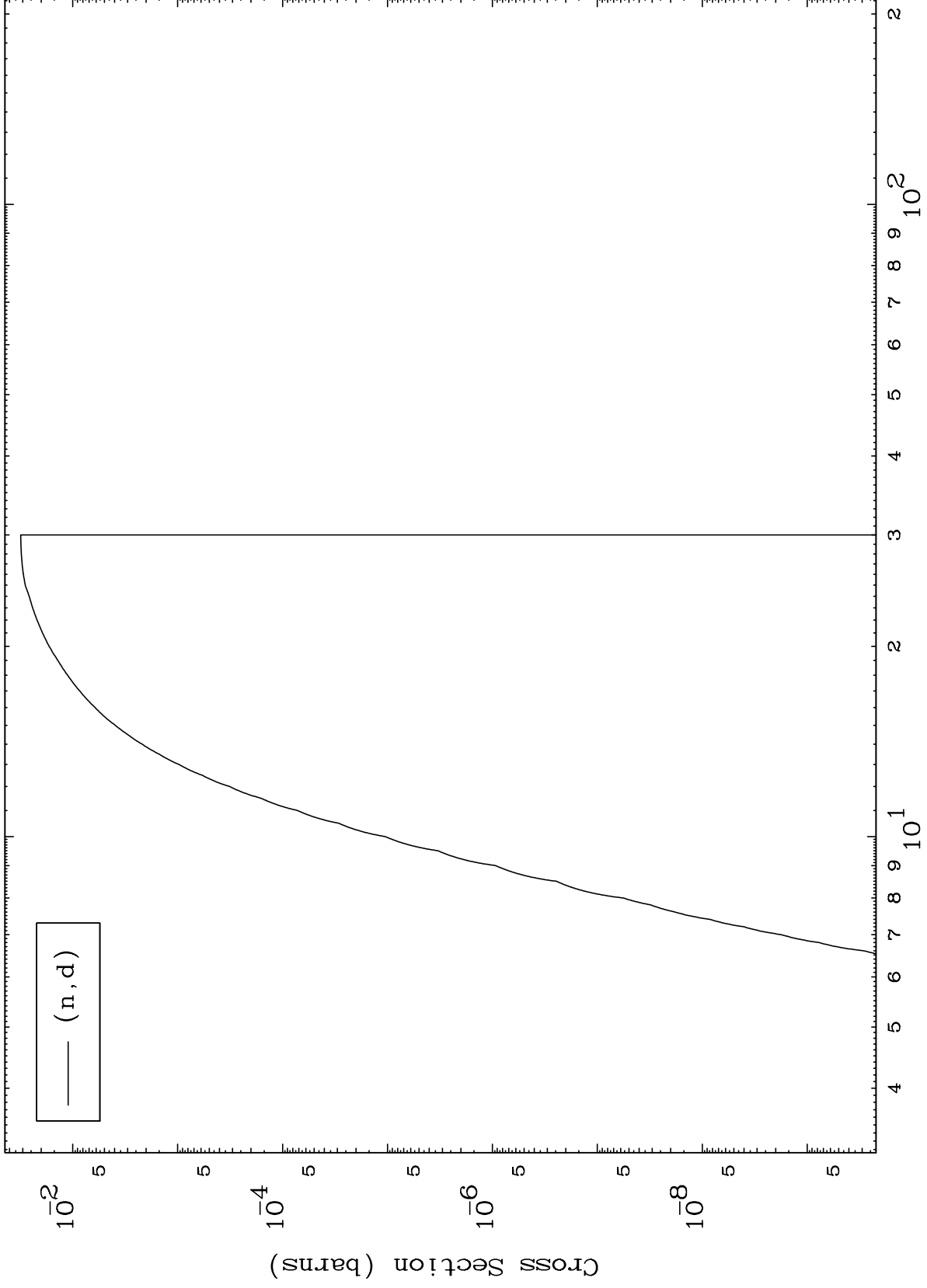
293 Kelvin Cross Sections



MAT 6007

(n,d) Levels
293 Kelvin Cross Sections

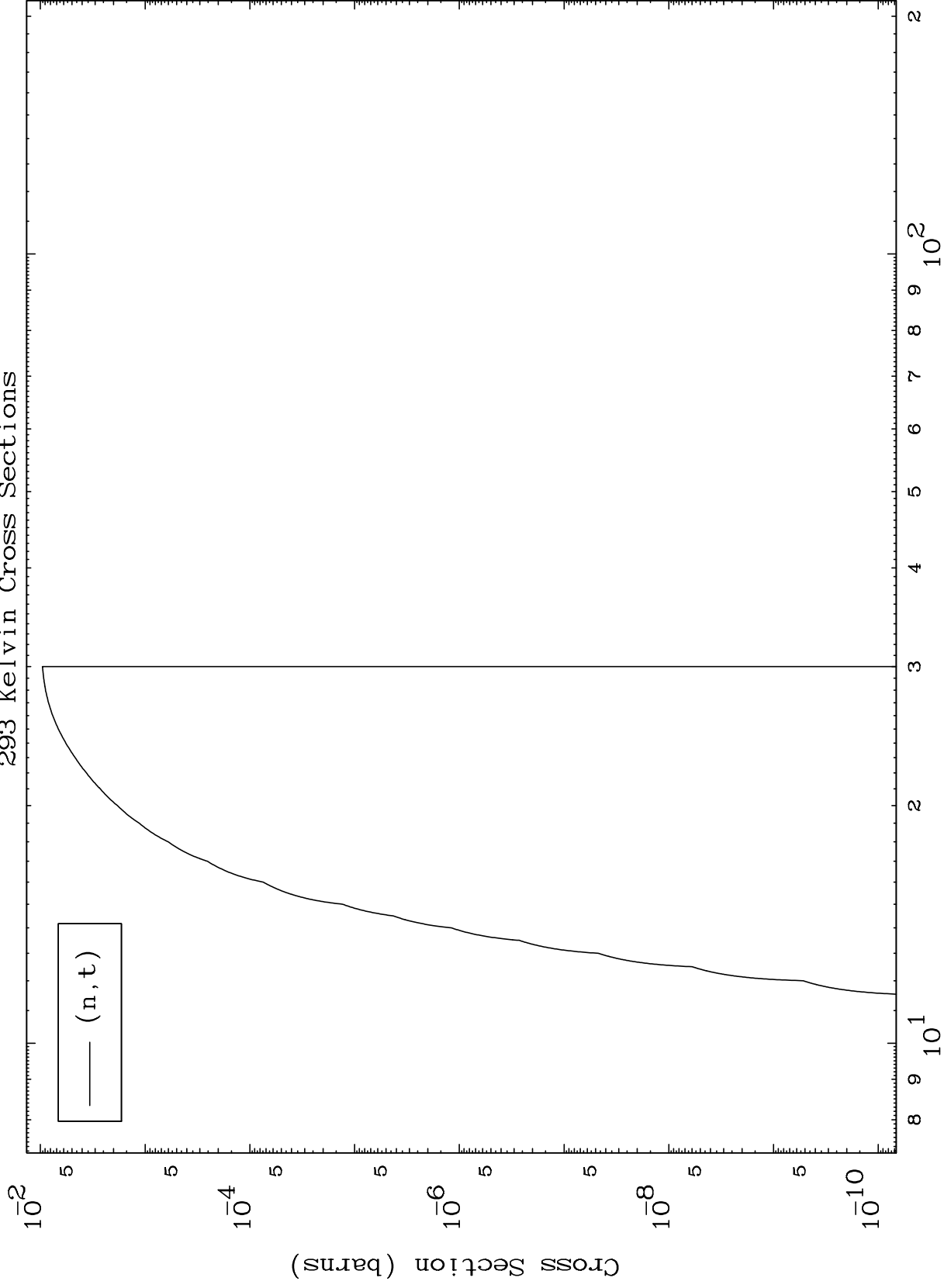
60-Nd-136



MAT 6007

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-136



12

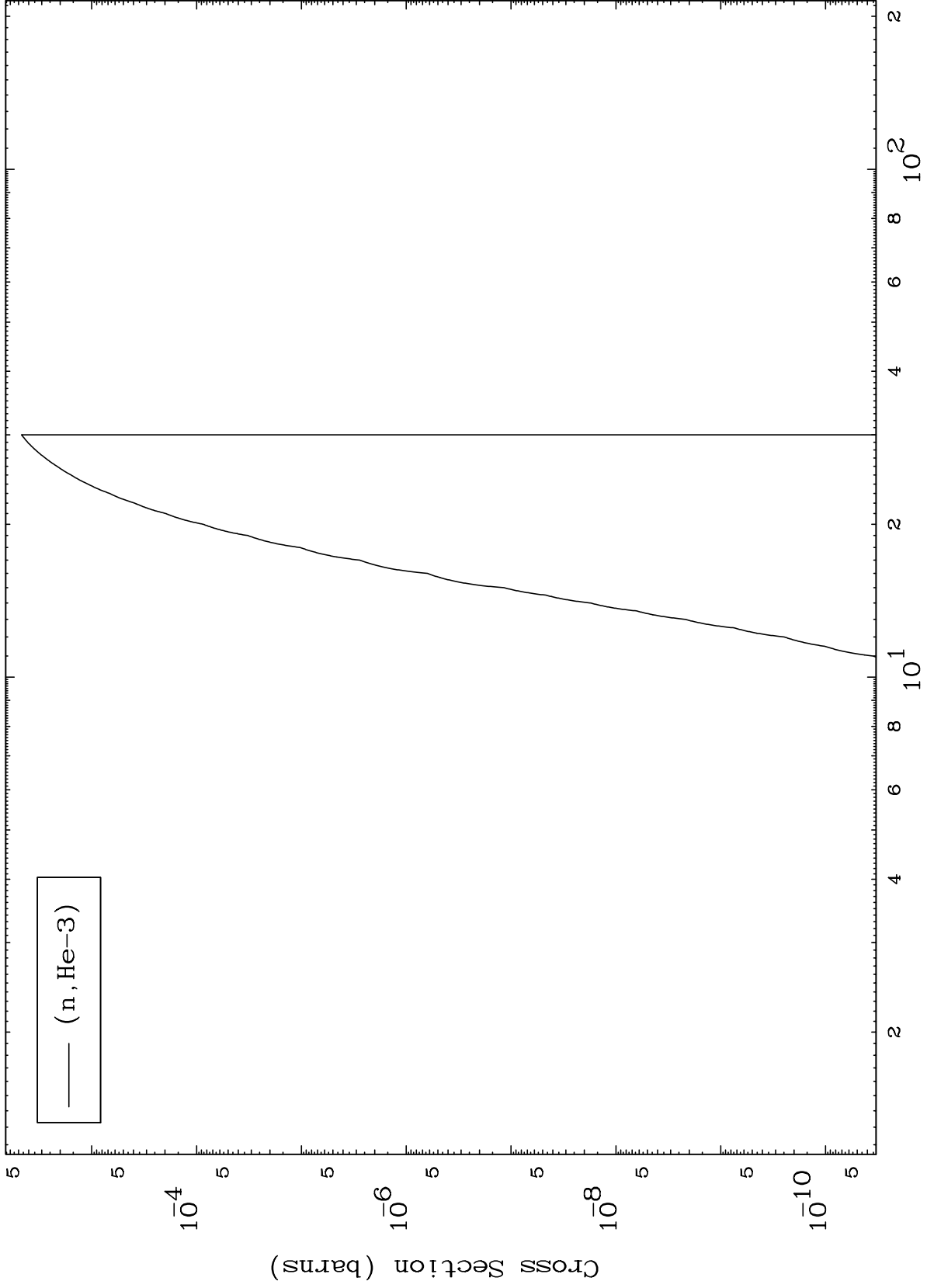
Incident Energy (MeV)

60-Nd-136

MAT 6007

(n,He3) Levels
293 Kelvin Cross Sections

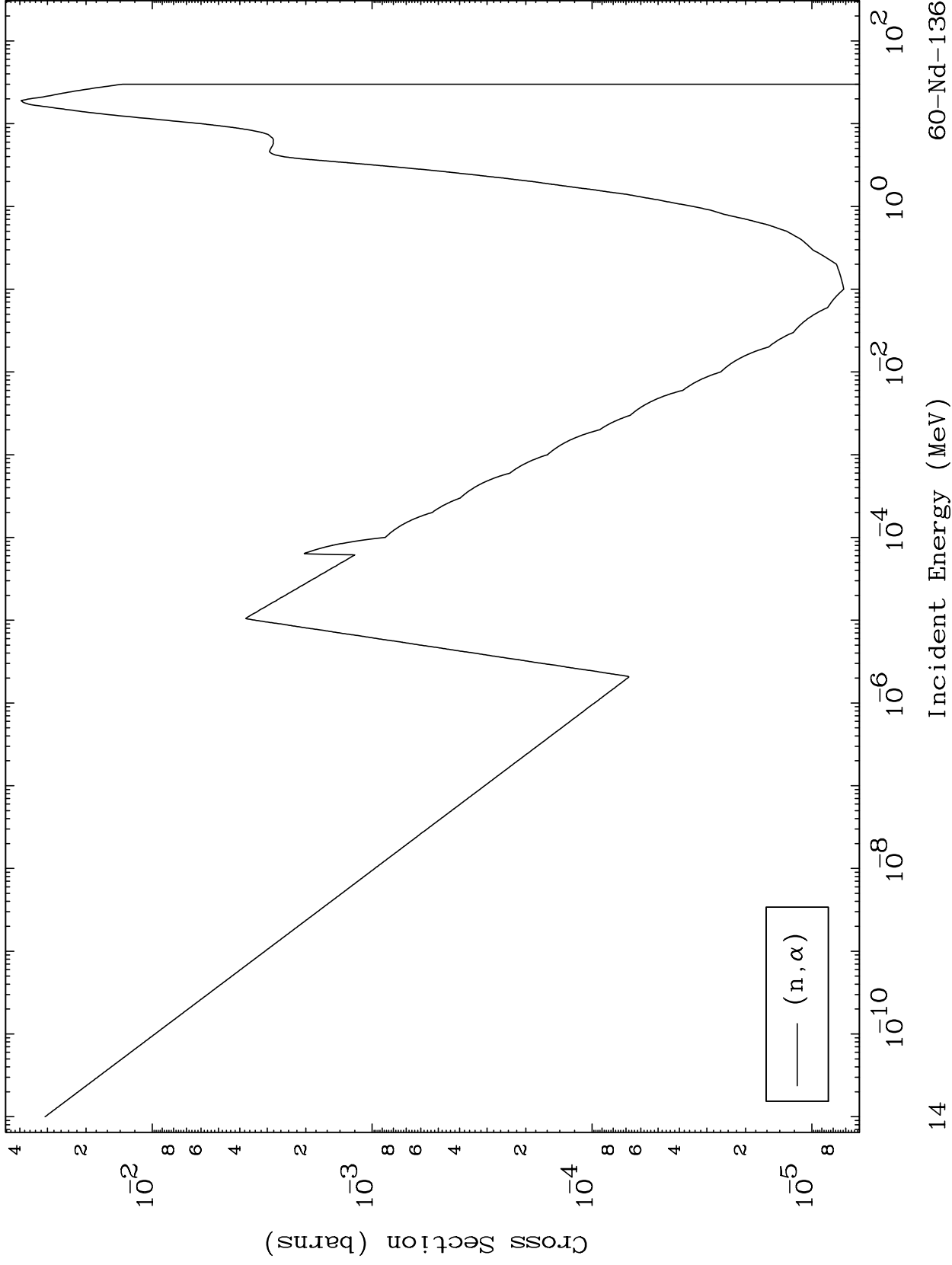
60-Nd-136

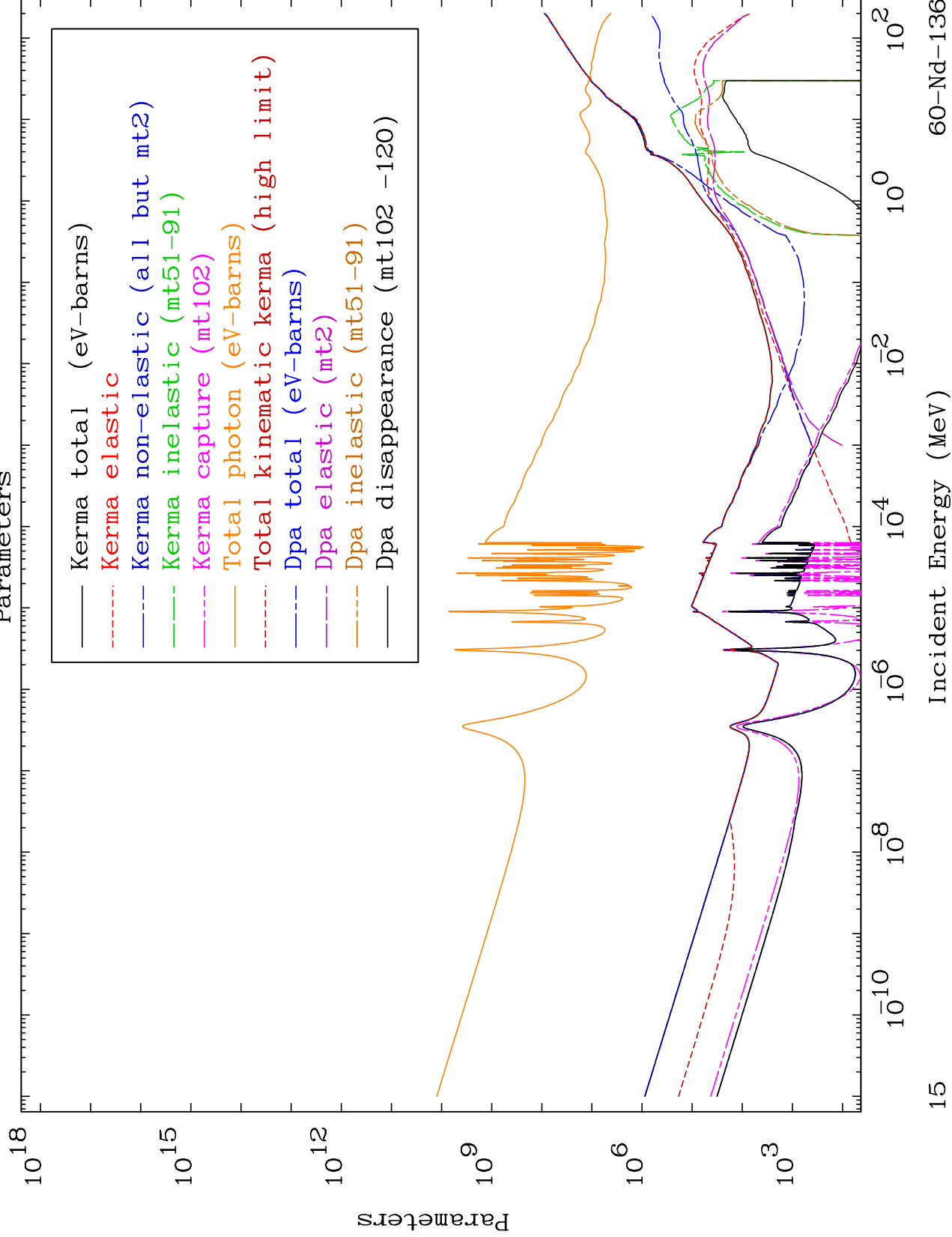


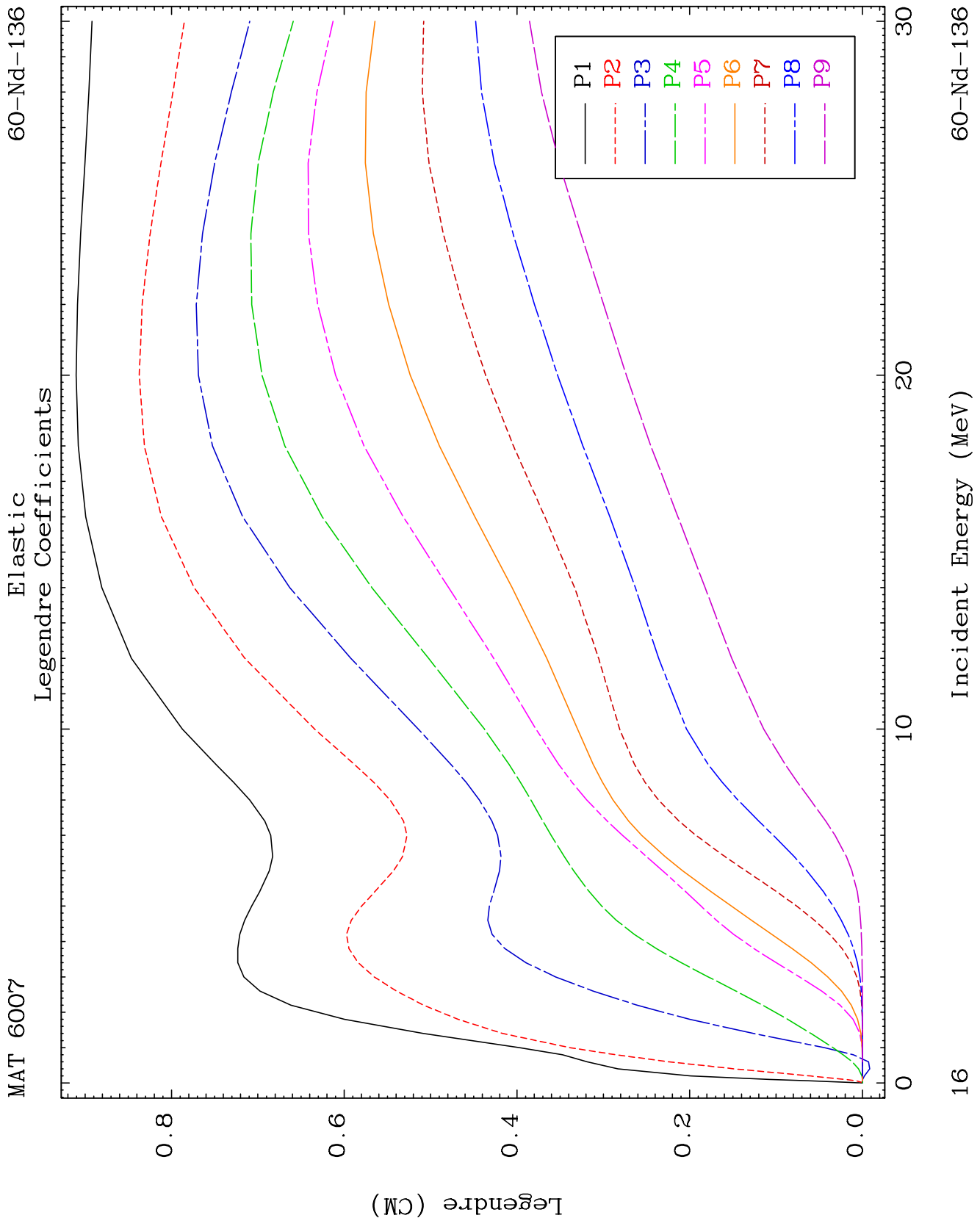
MAT 6007

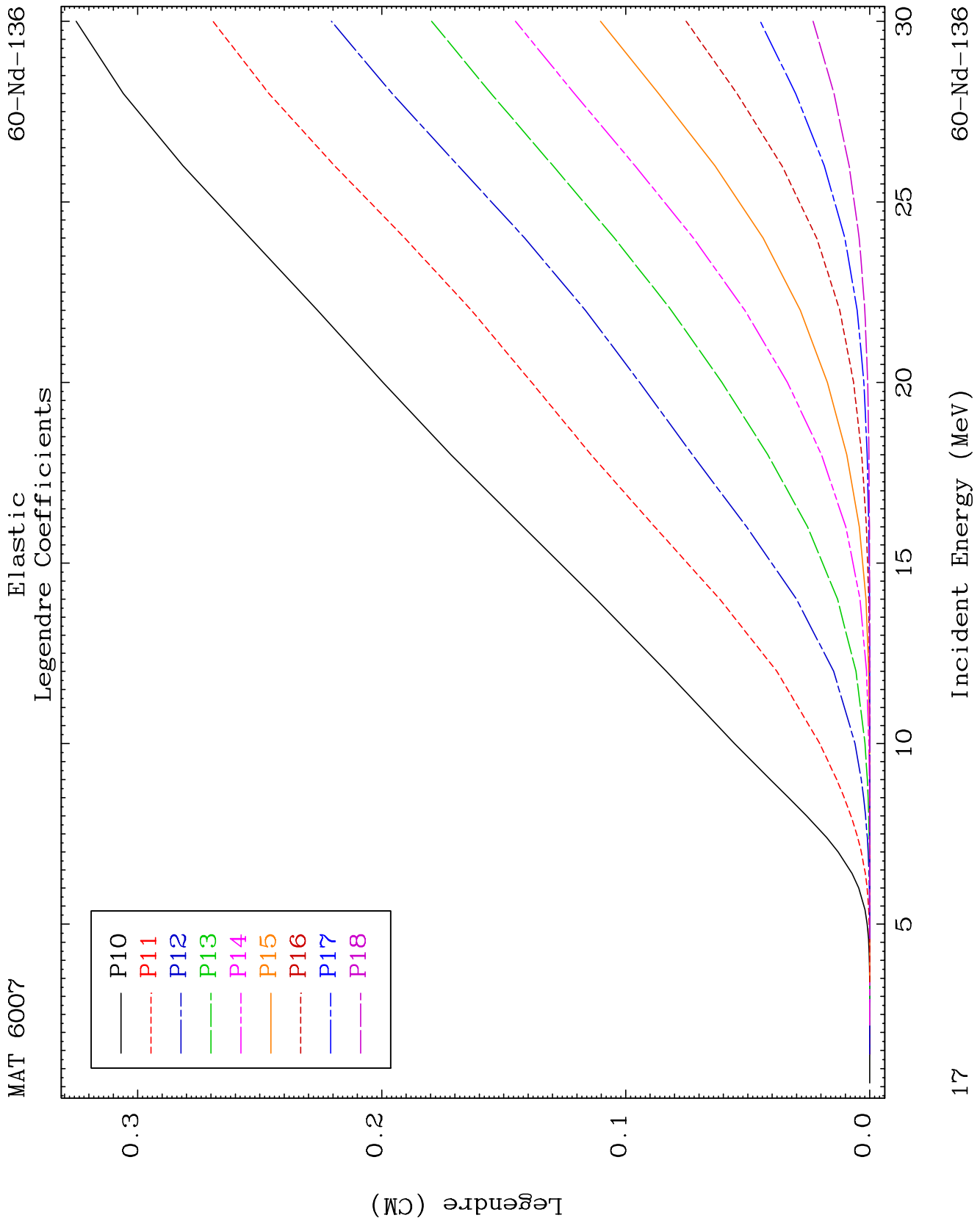
(n, α) Levels
293 Kelvin Cross Sections

60-Nd-136





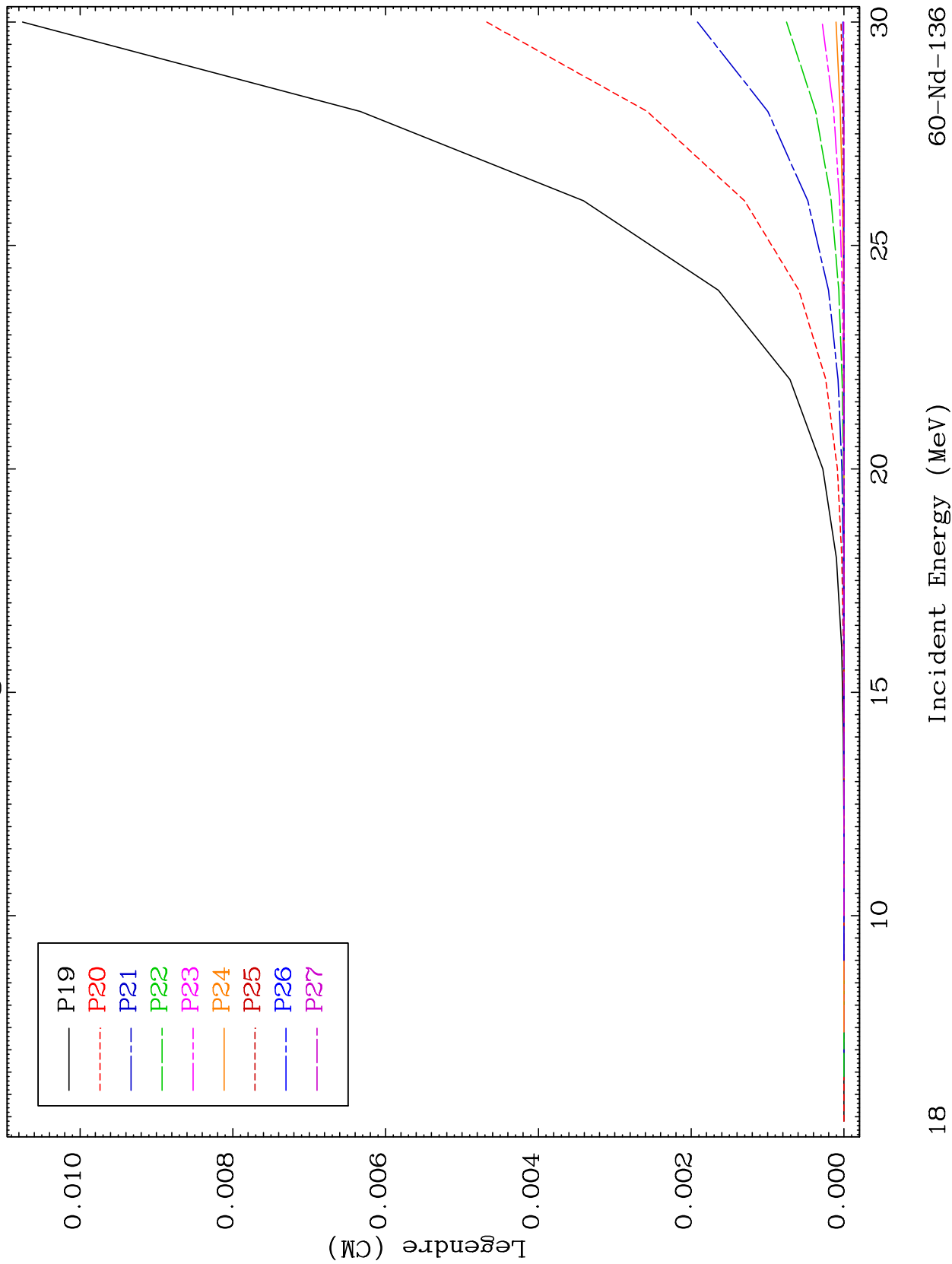




MAT 6007

Elastic Legendre Coefficients

⁶⁰Nd-136



18

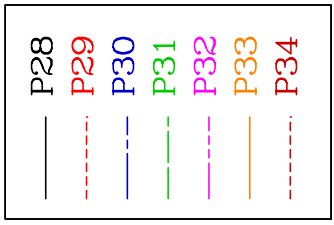
Incident Energy (MeV)

⁶⁰Nd-136

MAT 6007

Elastic Legendre Coefficients

60-Nd-136



$\times 10^{-6}$

1.0

0.8

0.6

0.4

0.2

0.0

Legendre (CM)

15

20

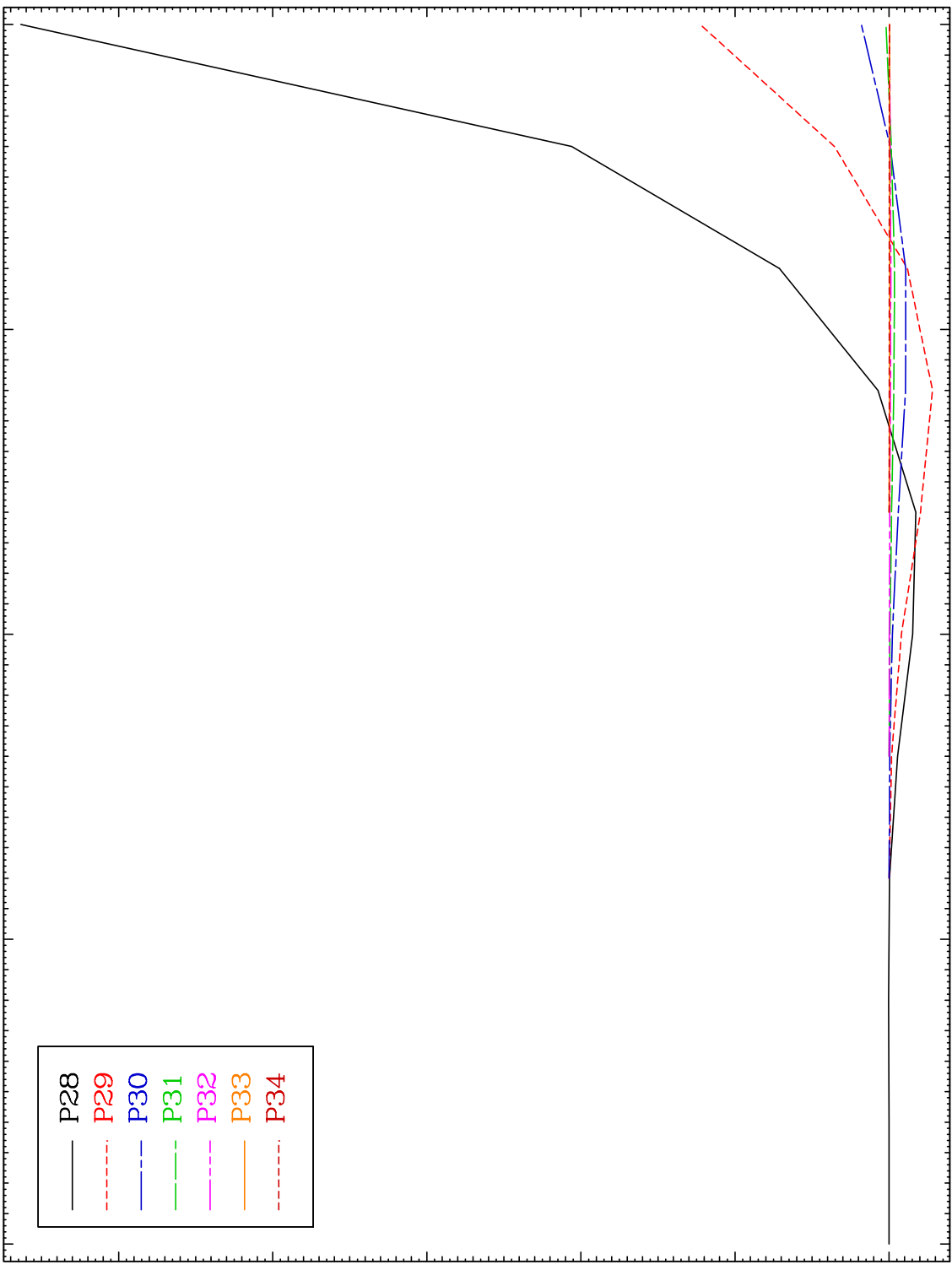
25

30

19

Incident Energy (MeV)

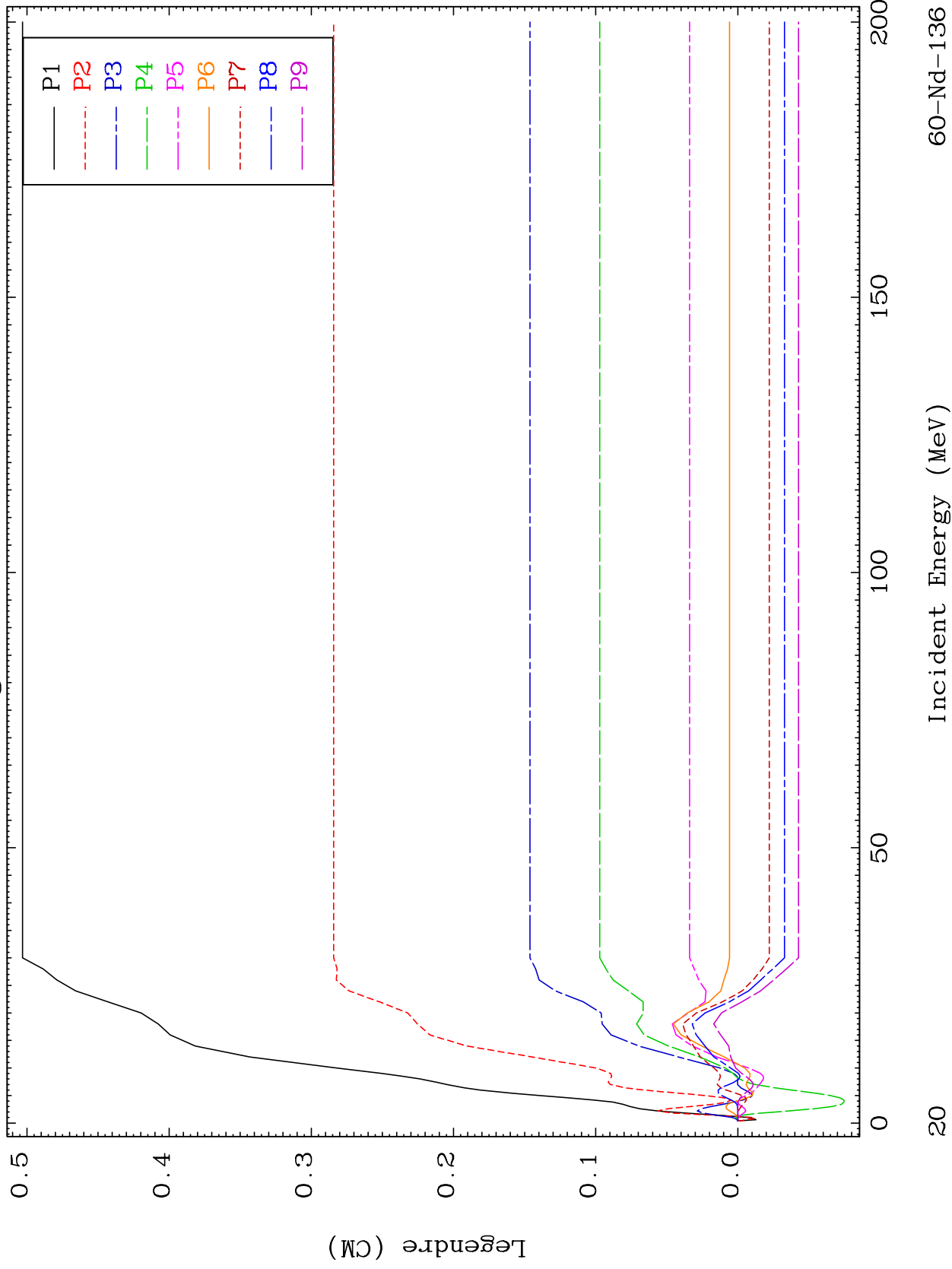
60-Nd-136



MAT 6007

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

60-Nd-136



60-Nd-136

Incident Energy (MeV)

0

50

100

150

200

0

0.1

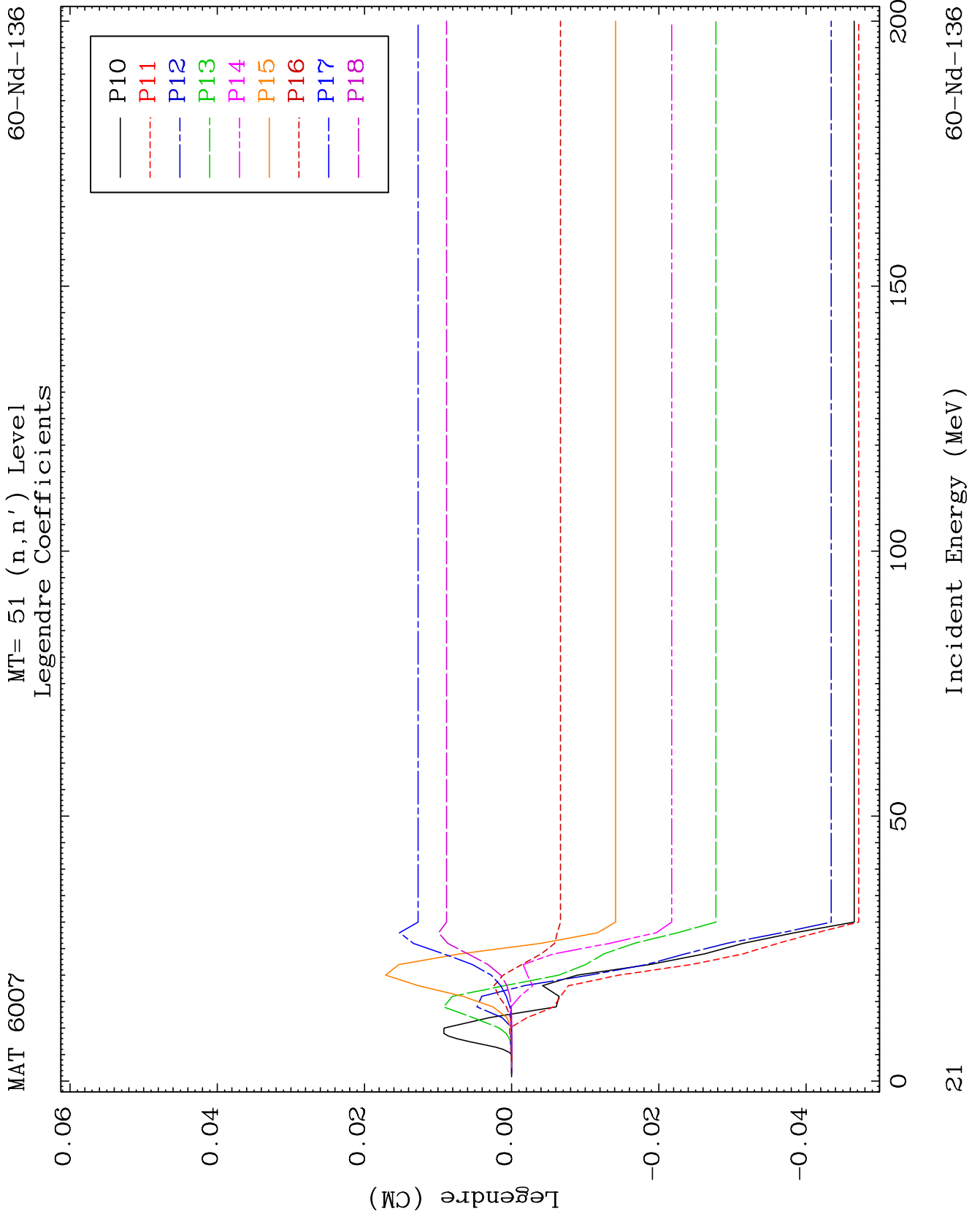
0.2

0.3

0.4

0.5

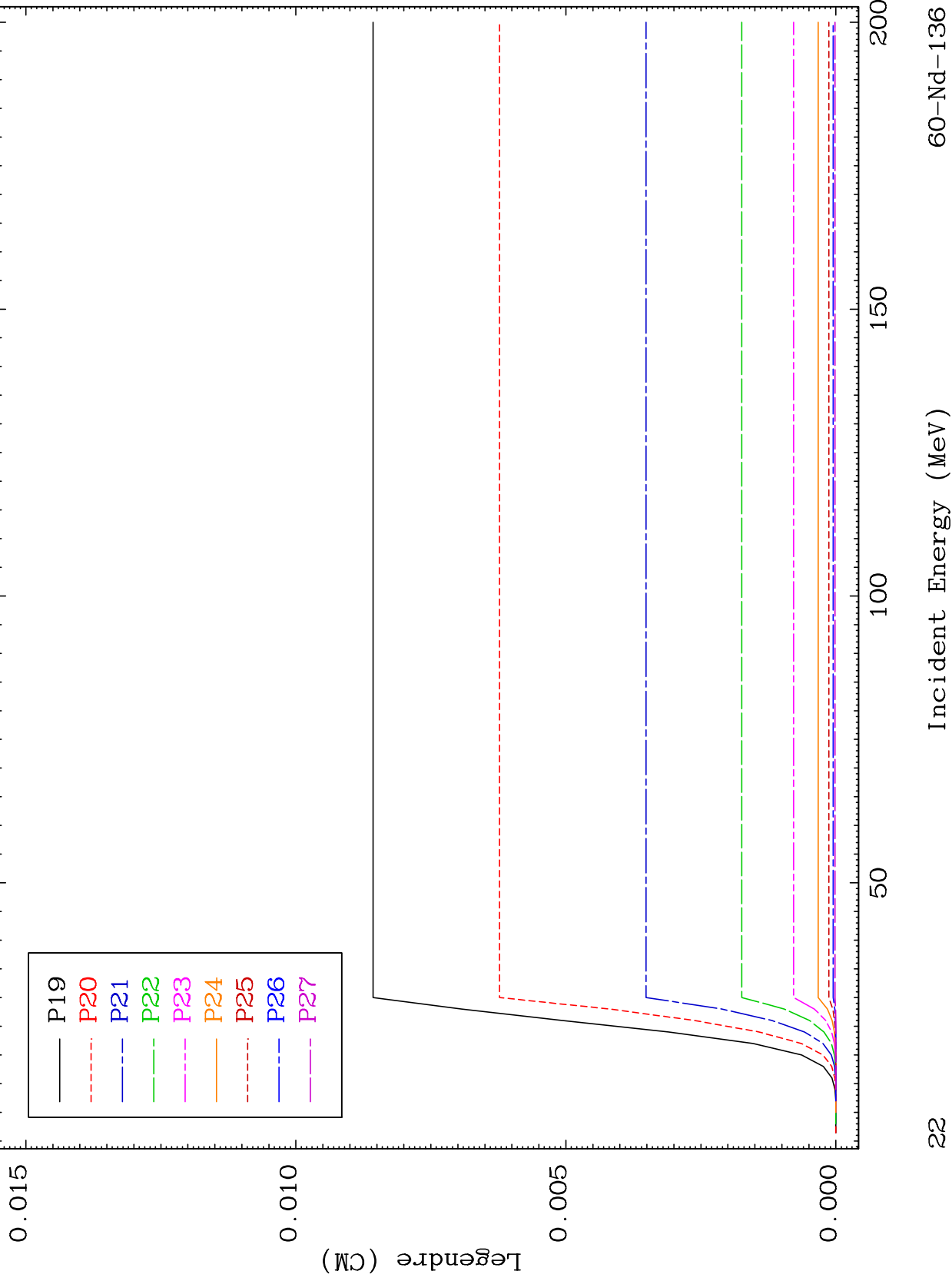
Legendre (CM)



MAT 6007

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

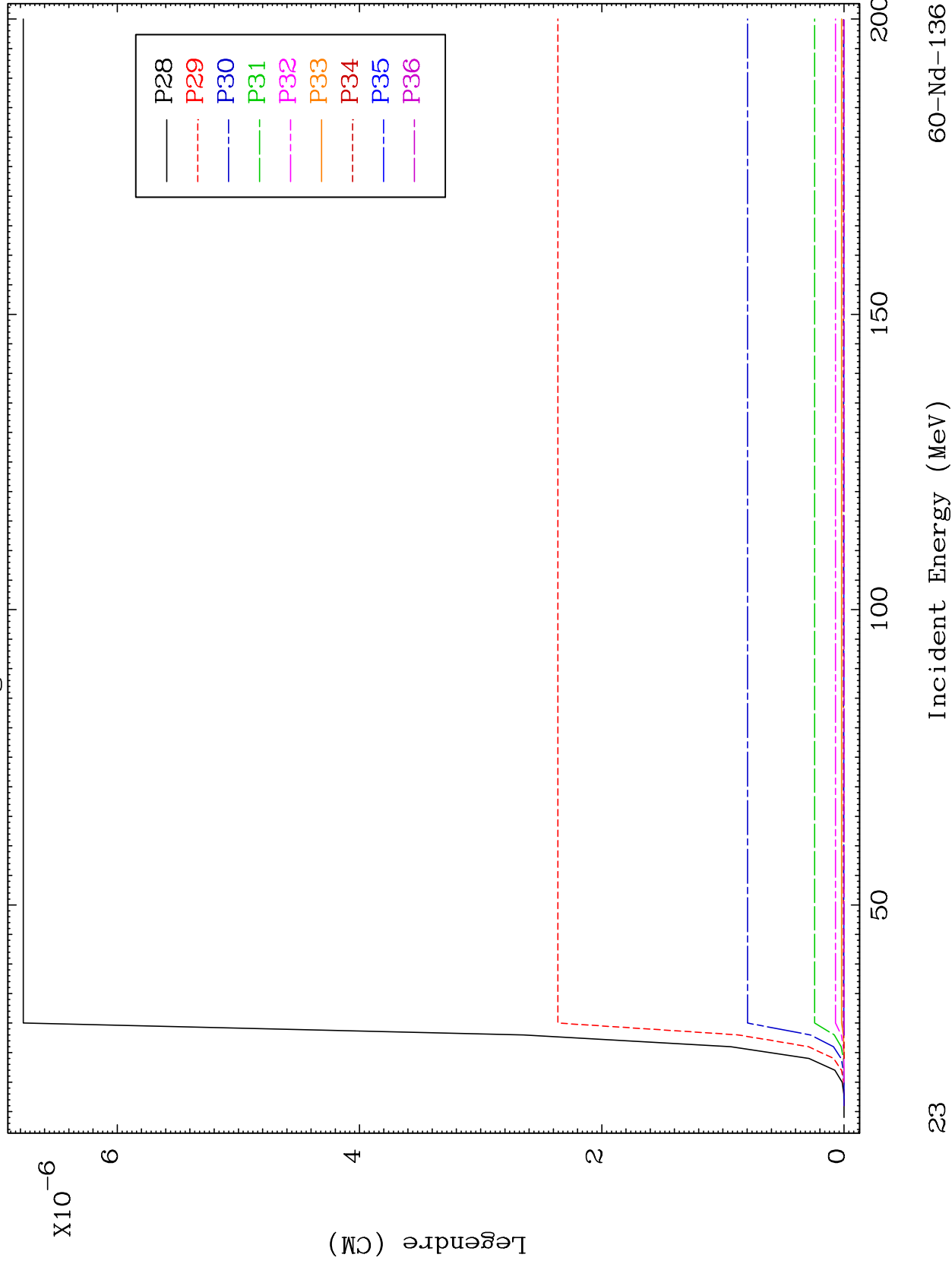
60-Nd-136



MAT 6007

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

60-Nd-136



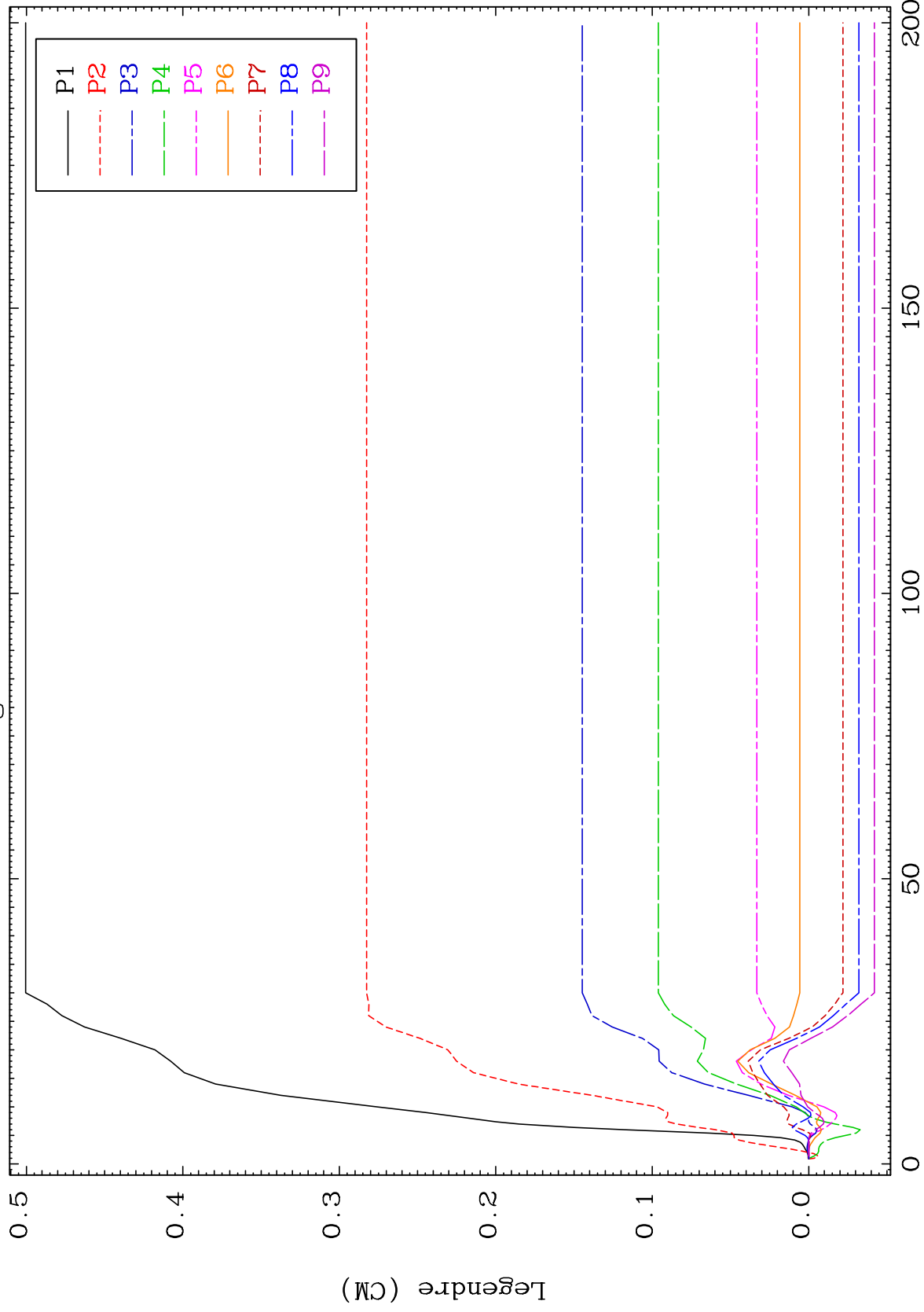
23

60-Nd-136

MAT 6007

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

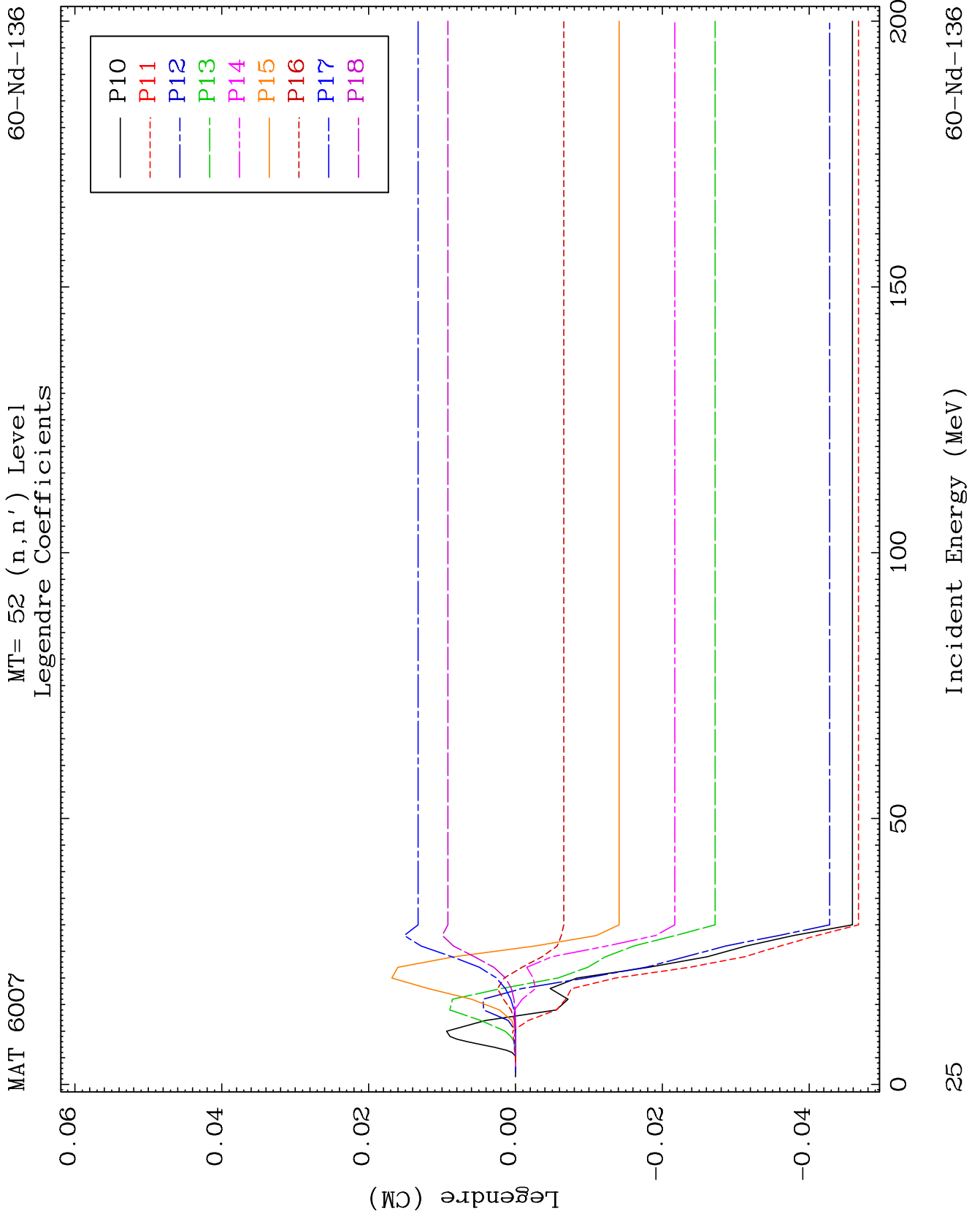
60-Nd-136



60-Nd-136

Incident Energy (MeV)

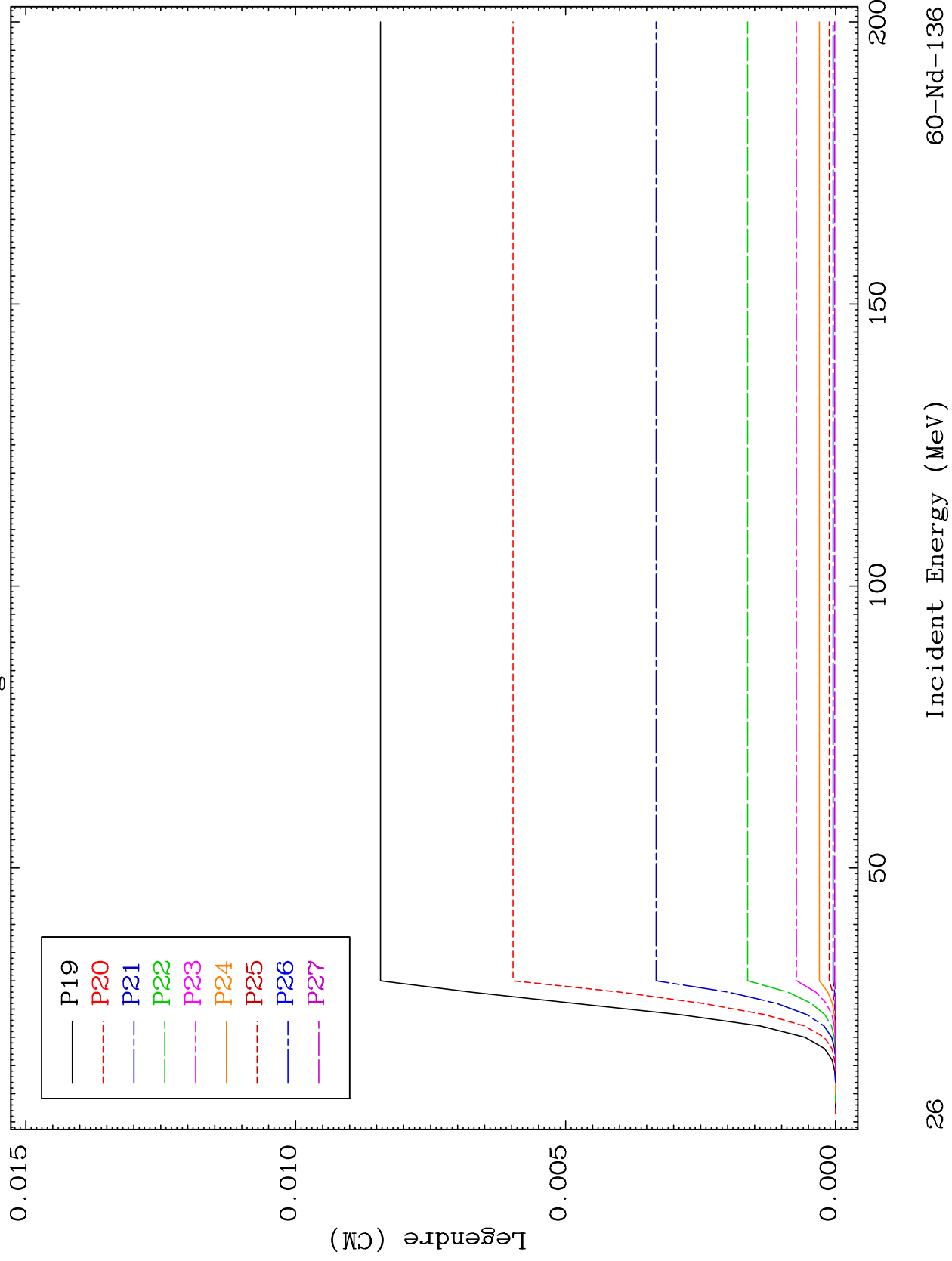
24



MAT 6007

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

60-Nd-136



26

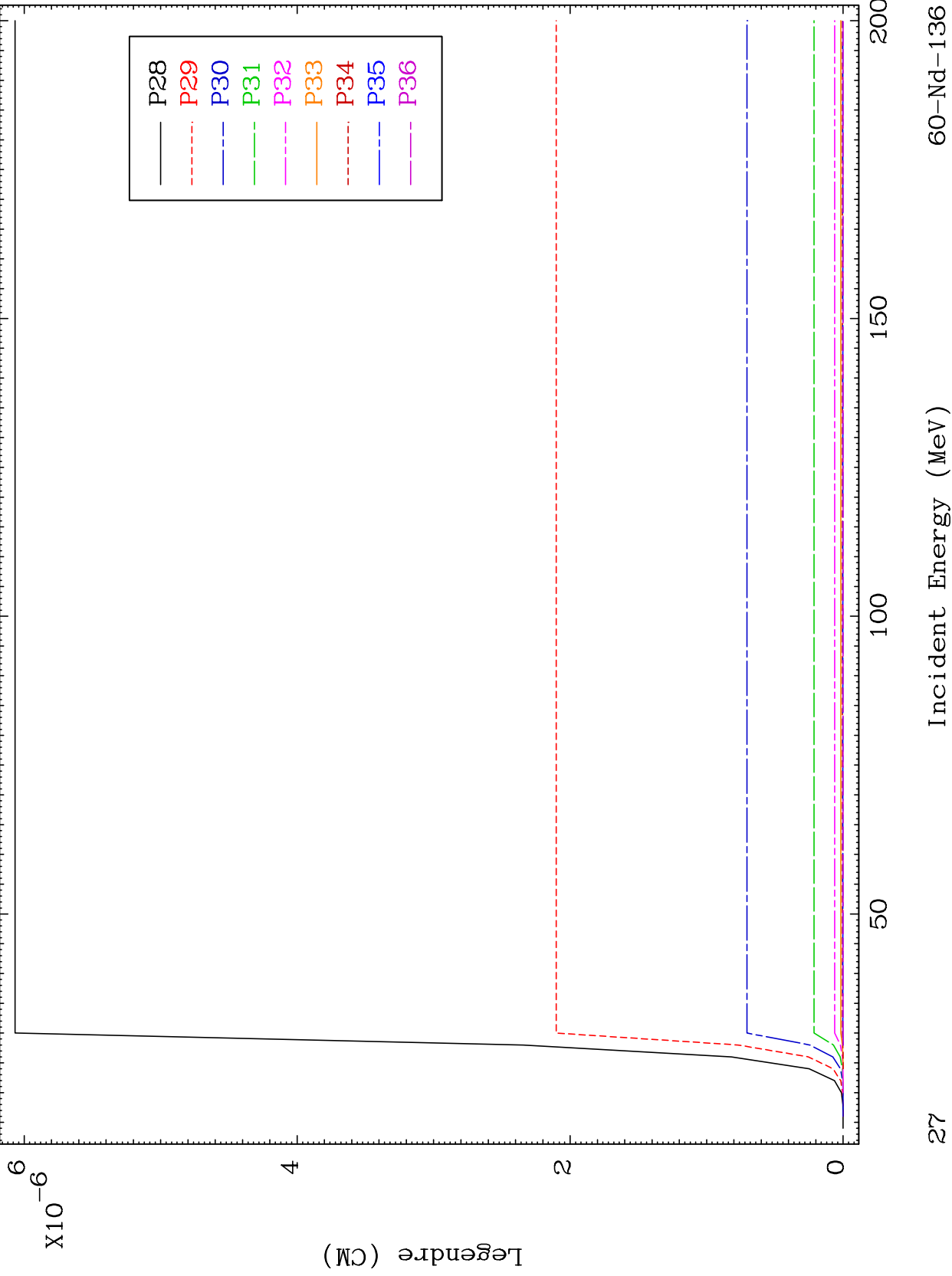
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



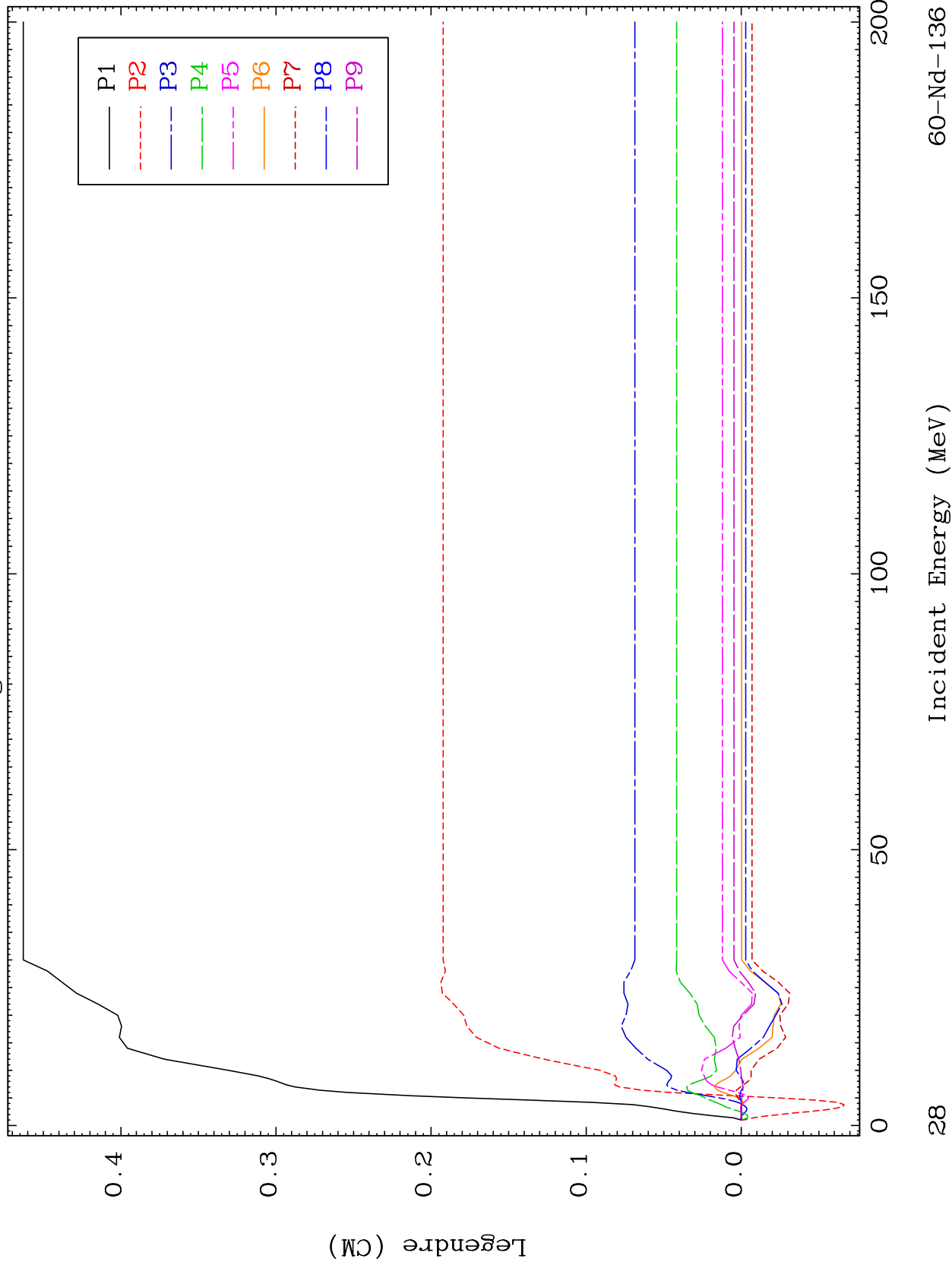
27

60-Nd-136

MAT 6007

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

60-Nd-136



60-Nd-136

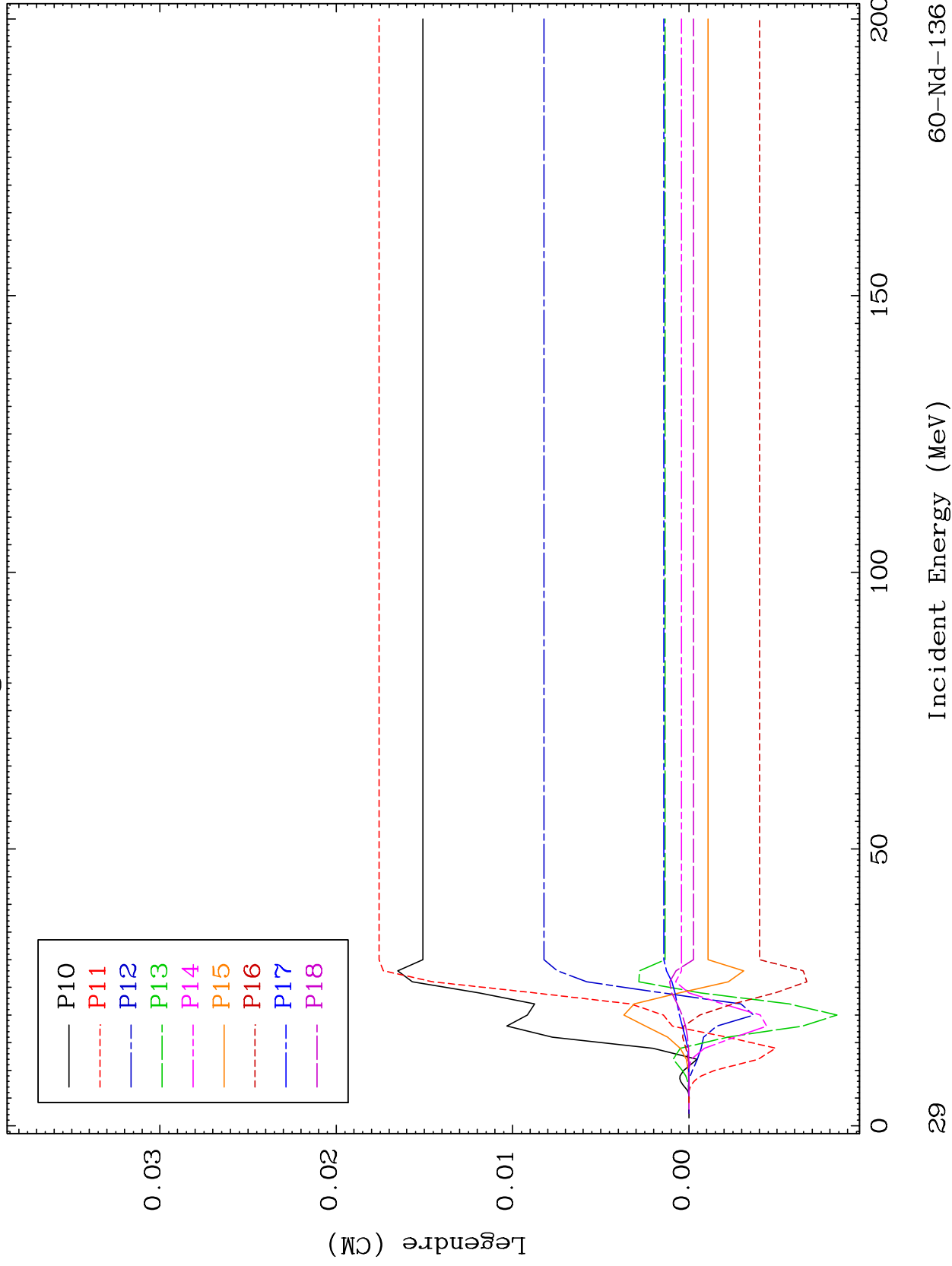
Incident Energy (MeV)

28

MAT 6007

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

60-Nd-136



29

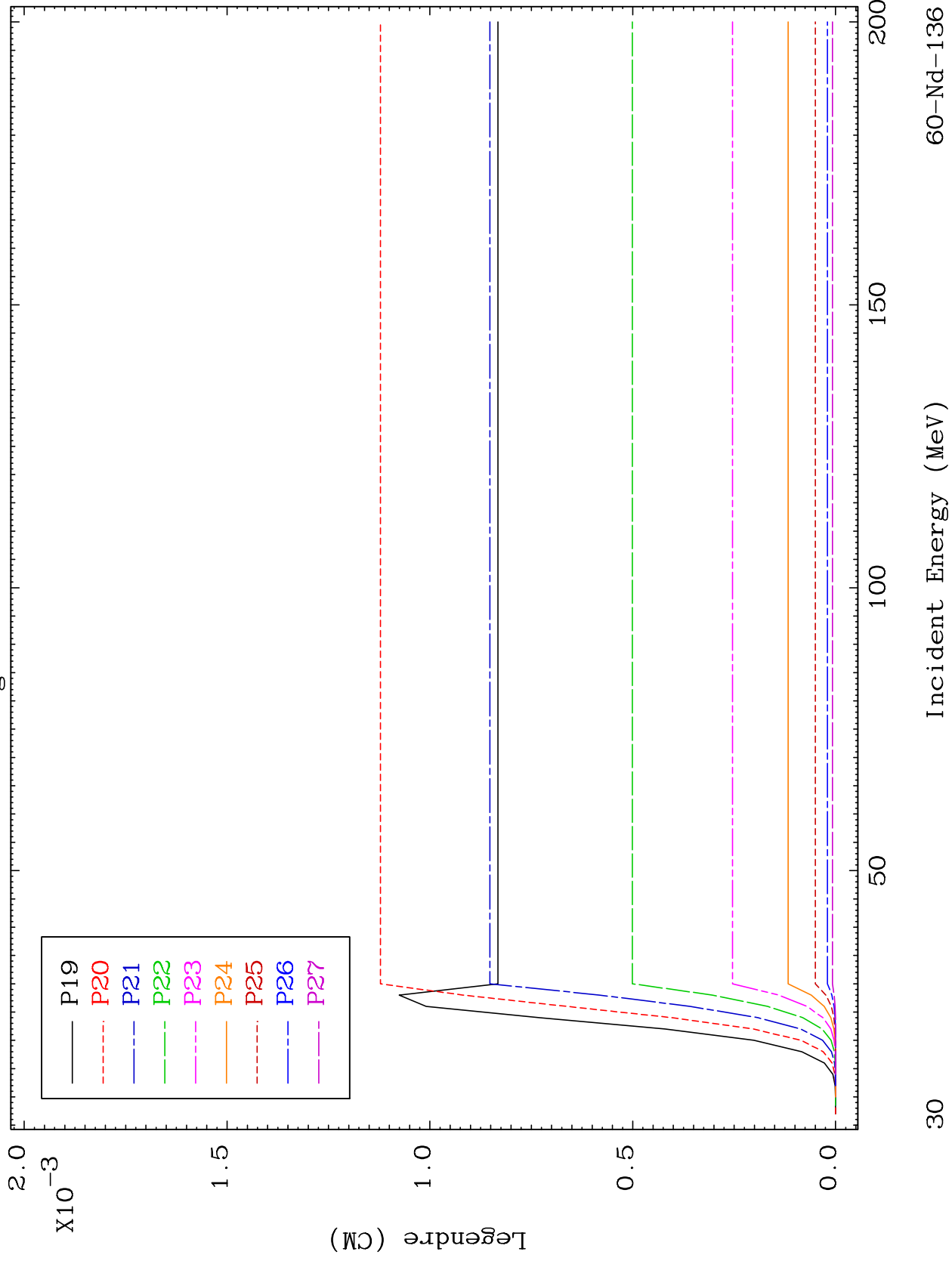
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



60-Nd-136

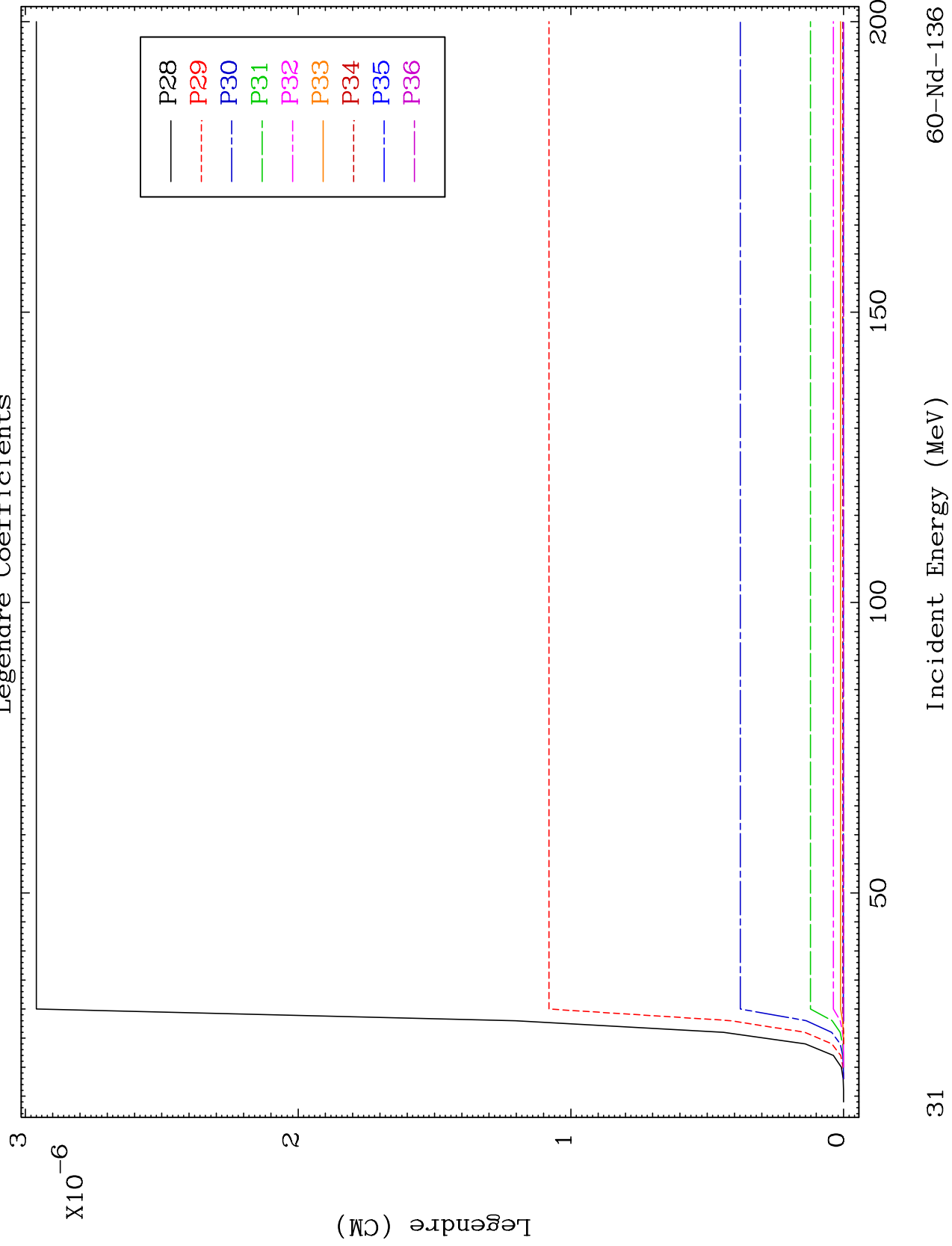
Incident Energy (MeV)

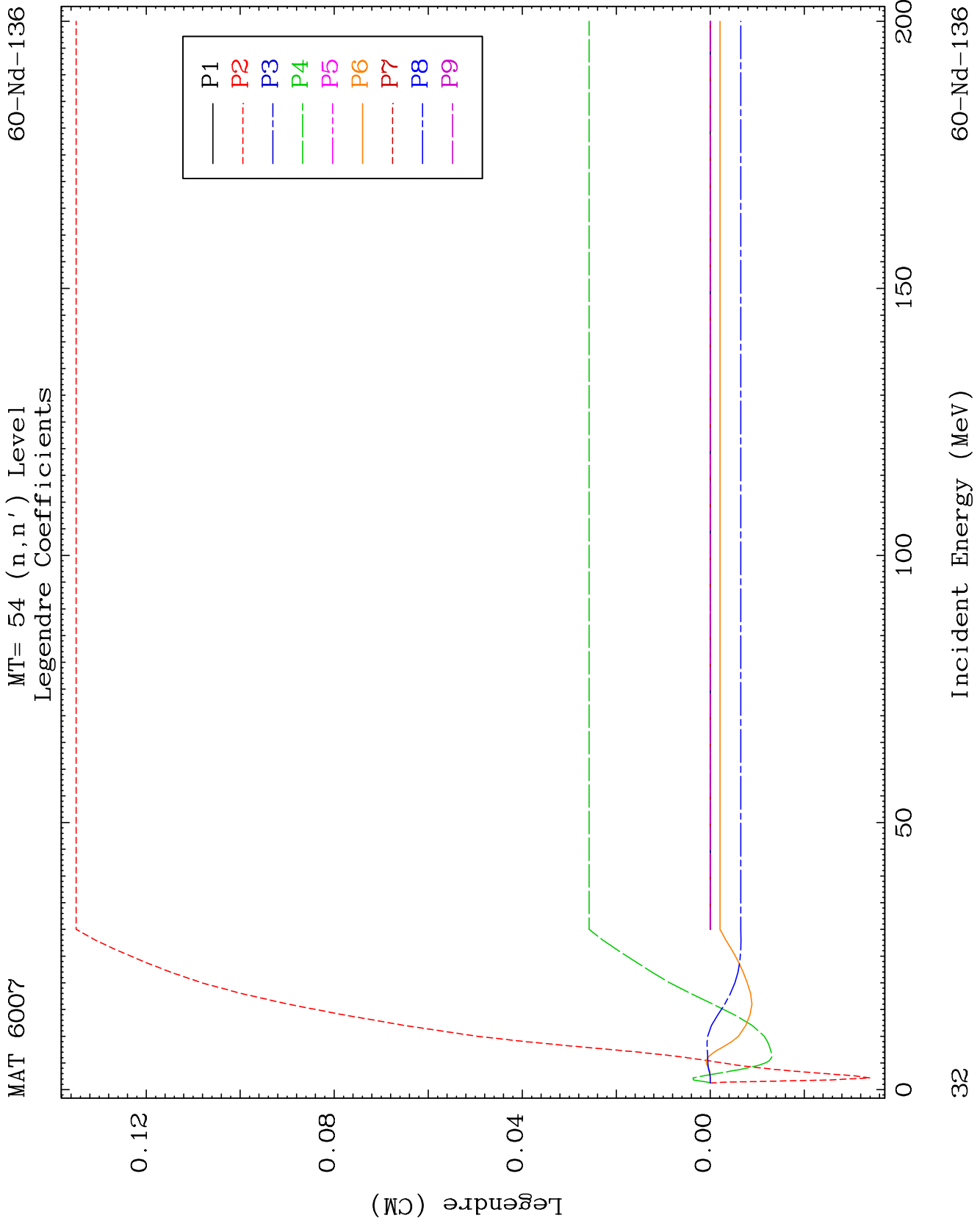
30

MAT 6007

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

60-Nd-136

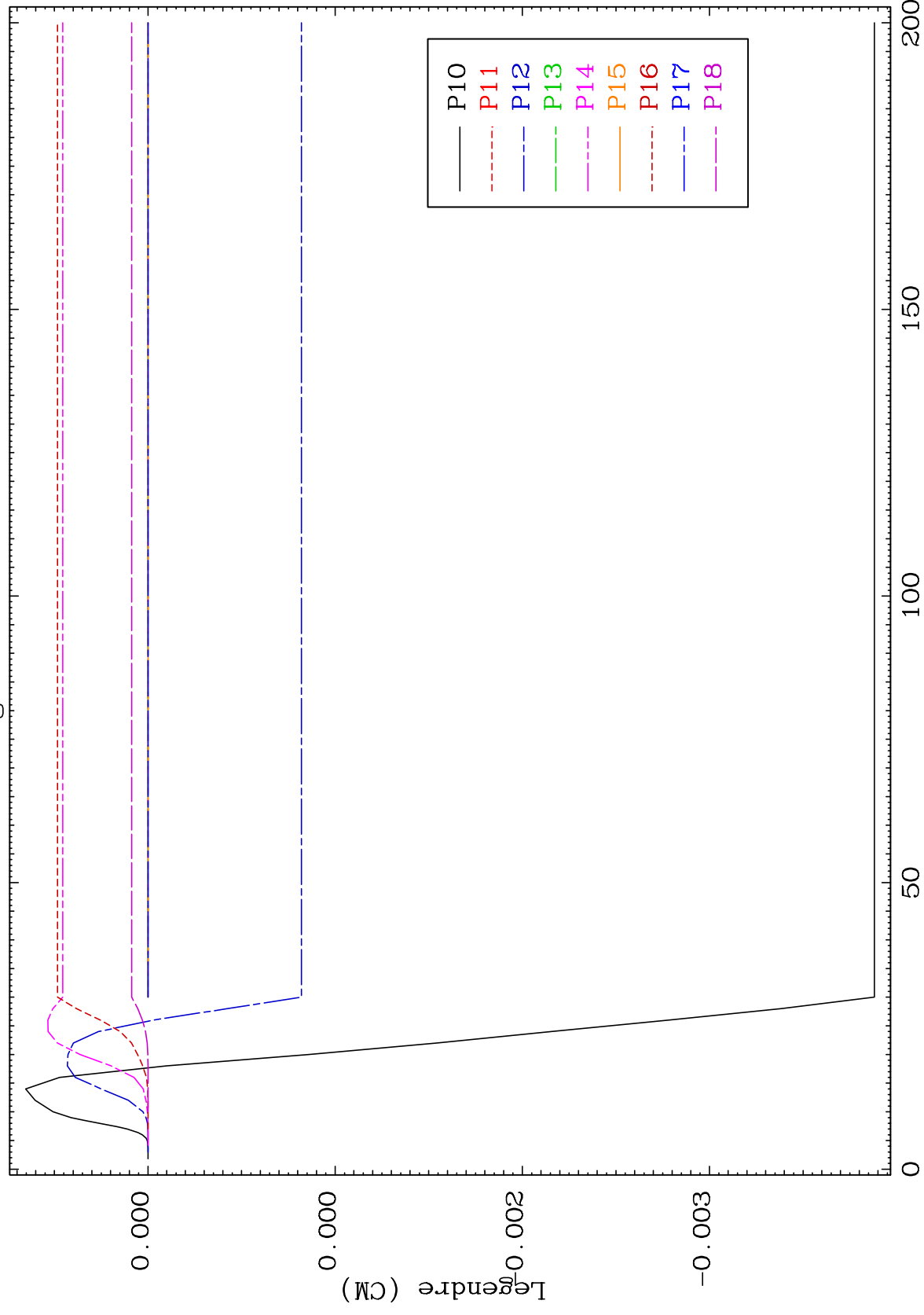




MAT 6007

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

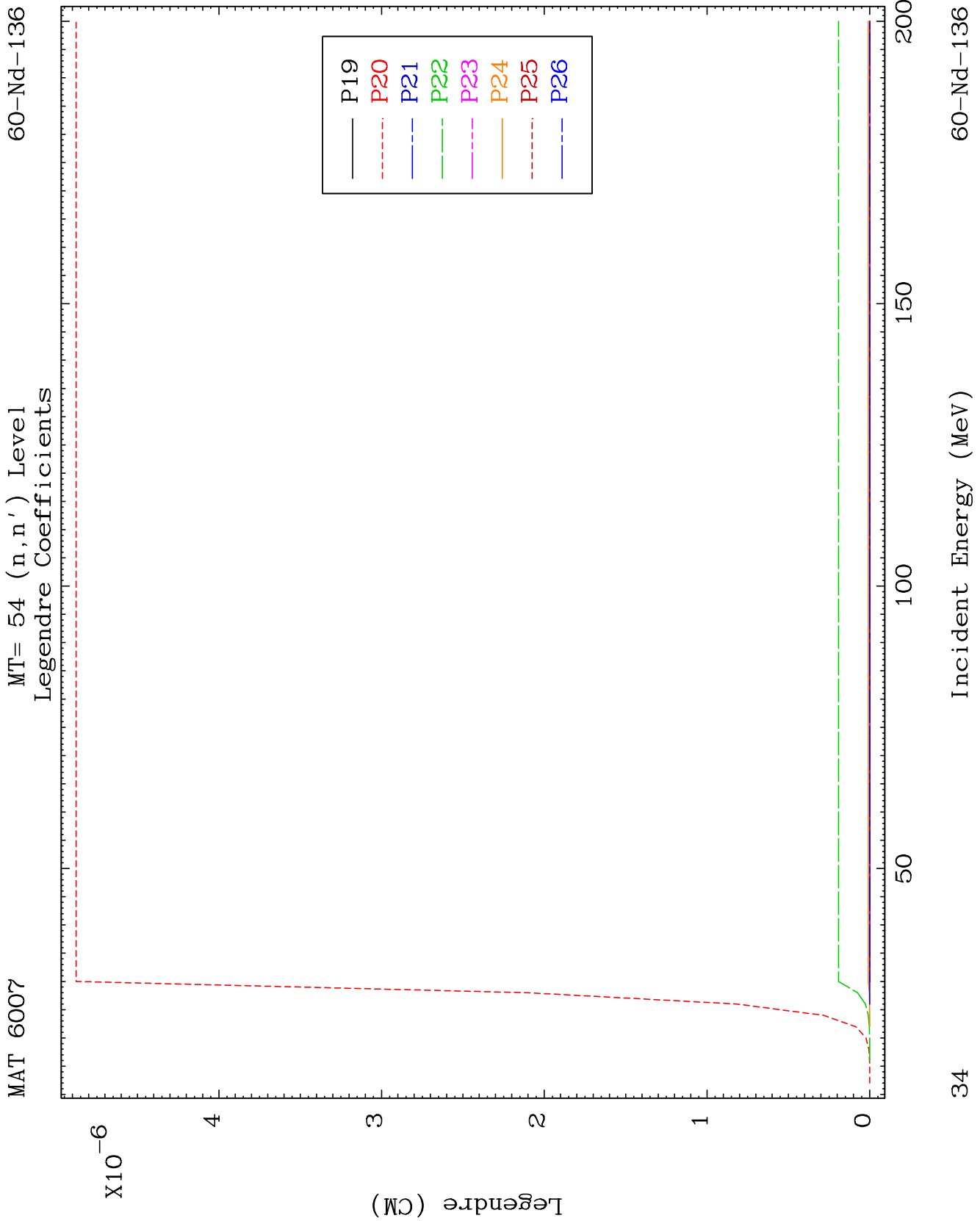
60-Nd-136



33

Incident Energy (MeV)

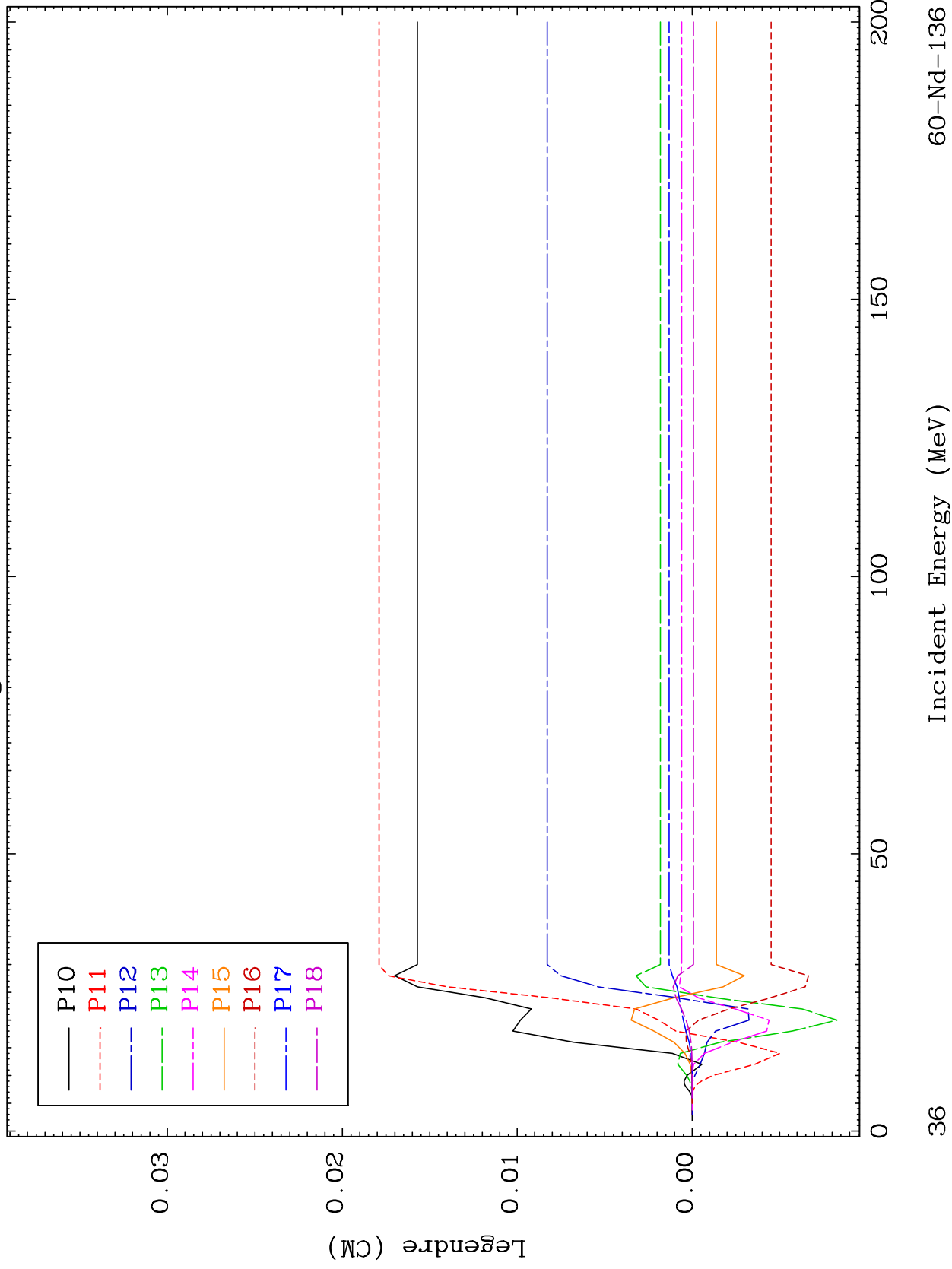
60-Nd-136



MAT 6007

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

60-Nd-136



60-Nd-136

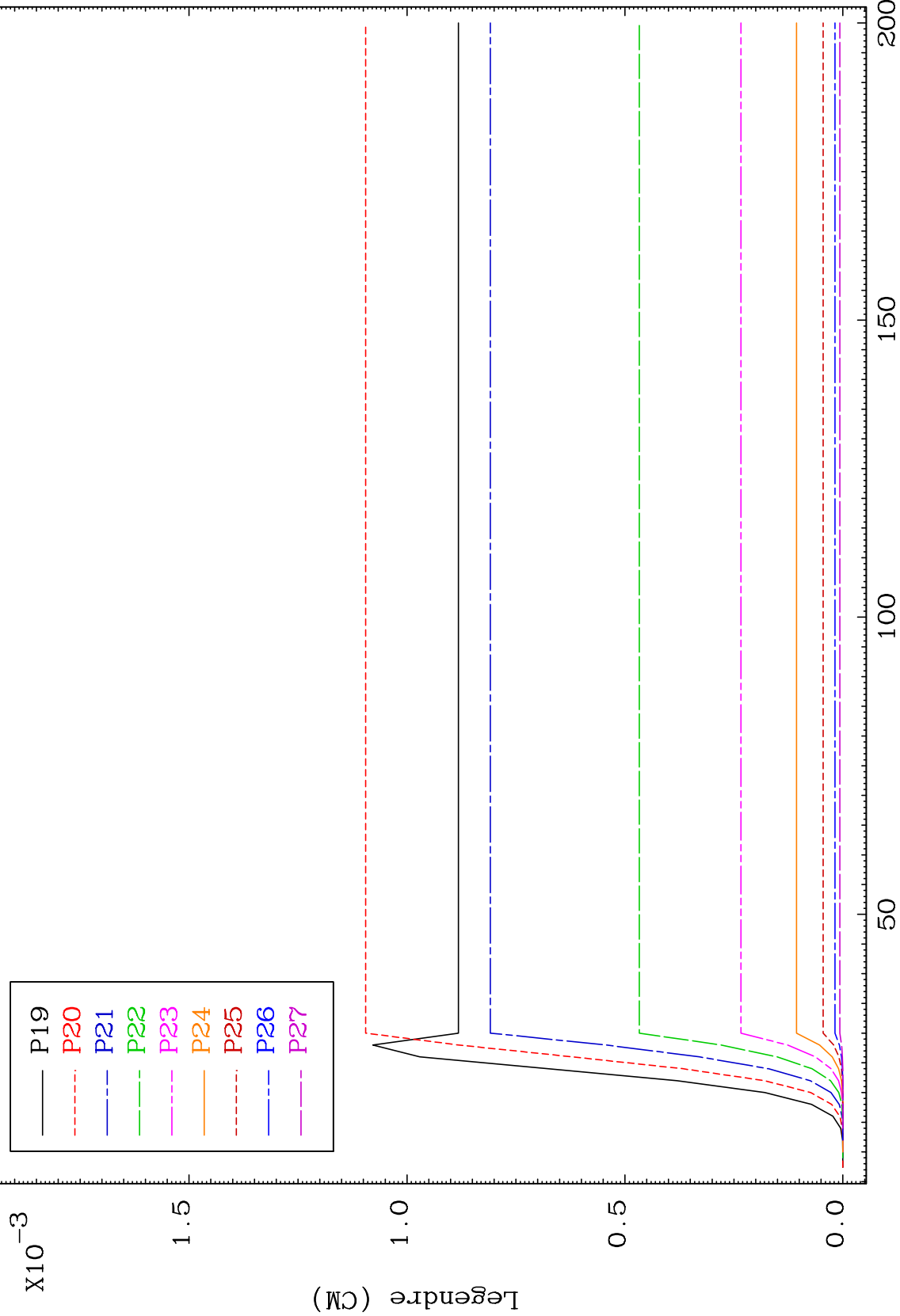
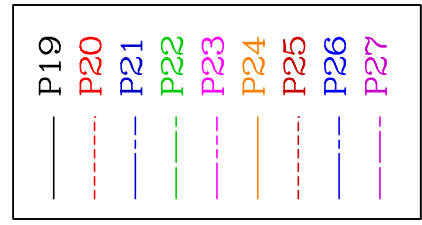
Incident Energy (MeV)

36

MAT 6007

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

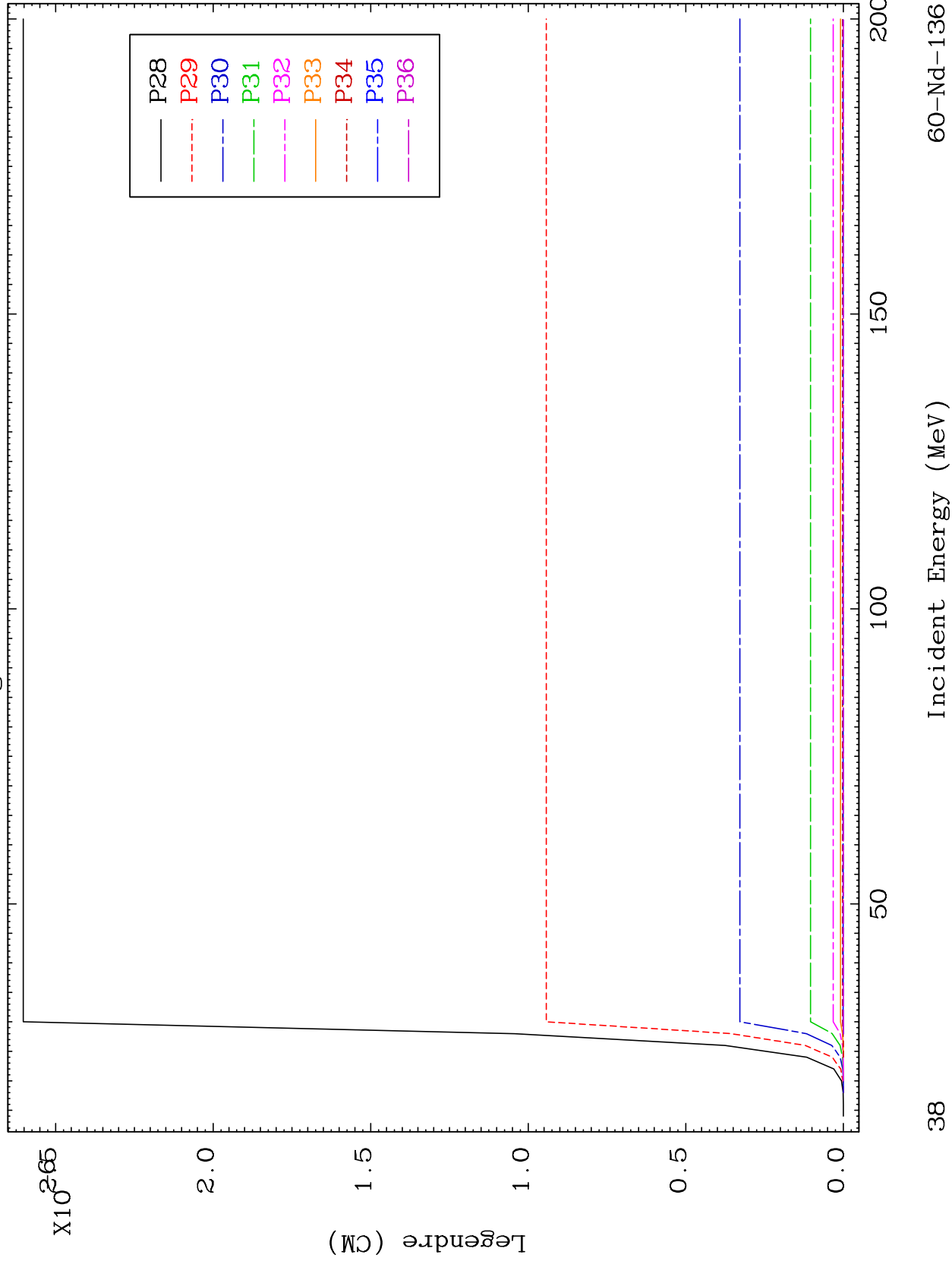
60-Nd-136



MAT 6007

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

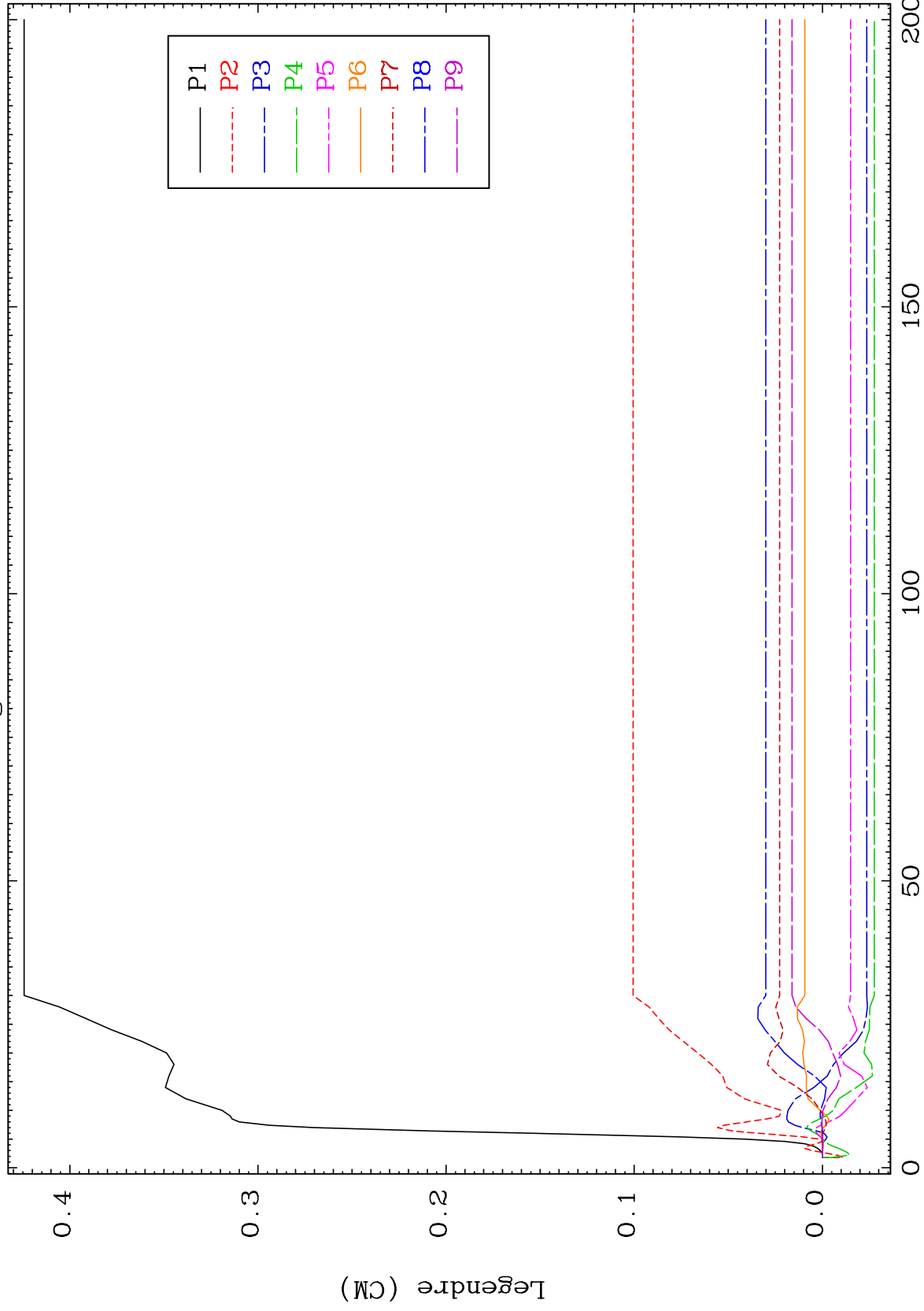
60-Nd-136



MAT 6007

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

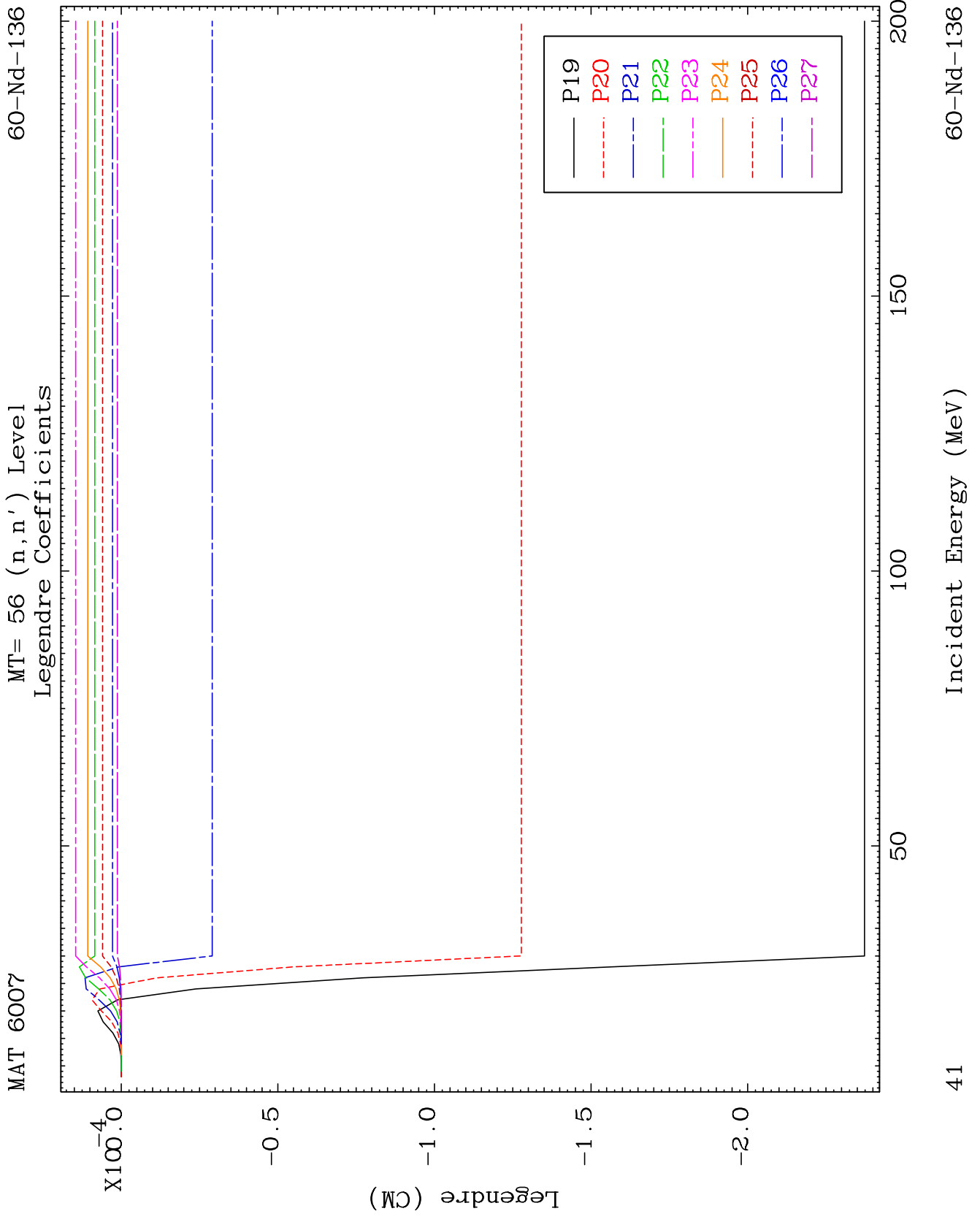
60-Nd-136



60-Nd-136

Incident Energy (MeV)

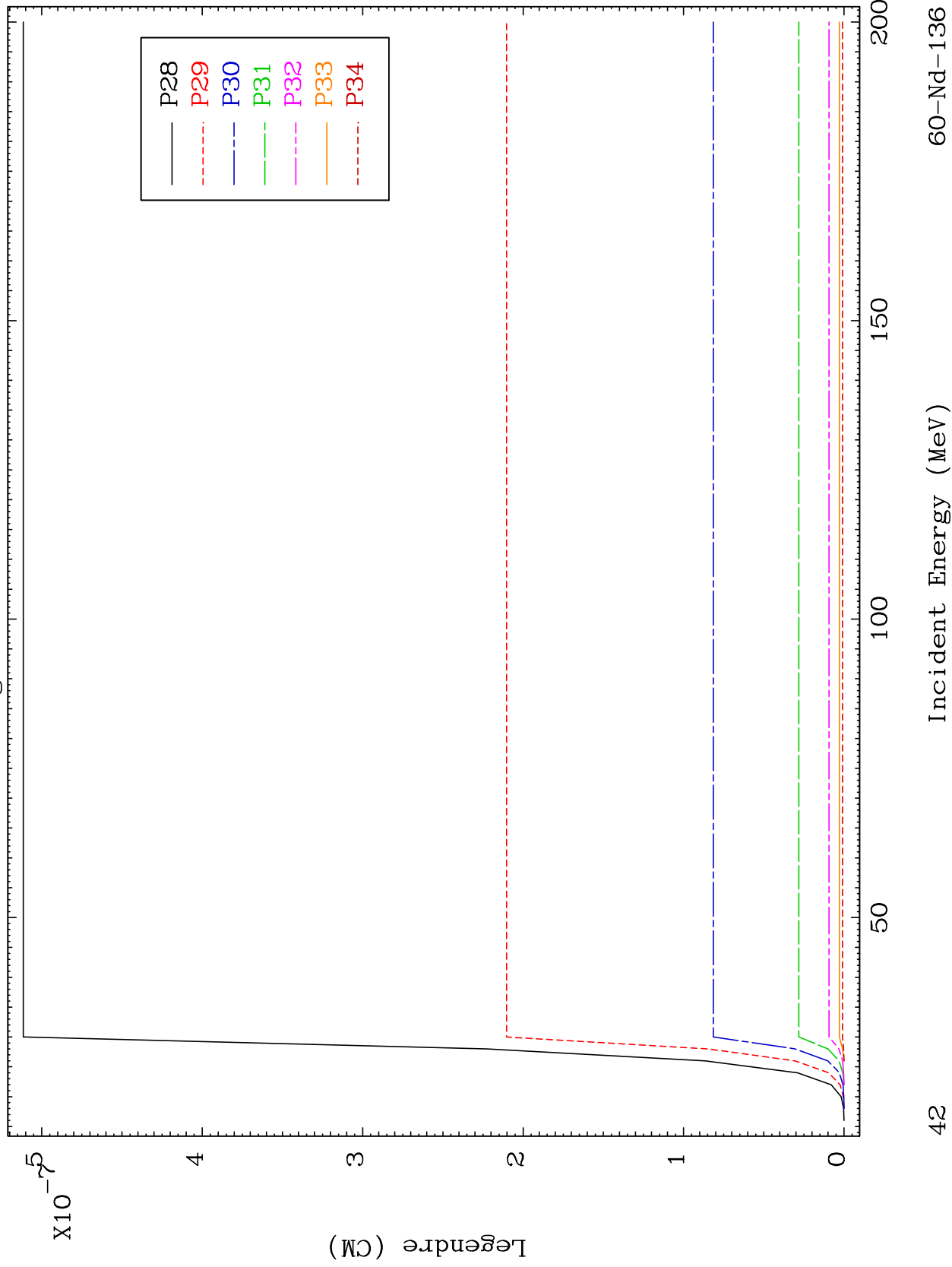
39



MAT 6007

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

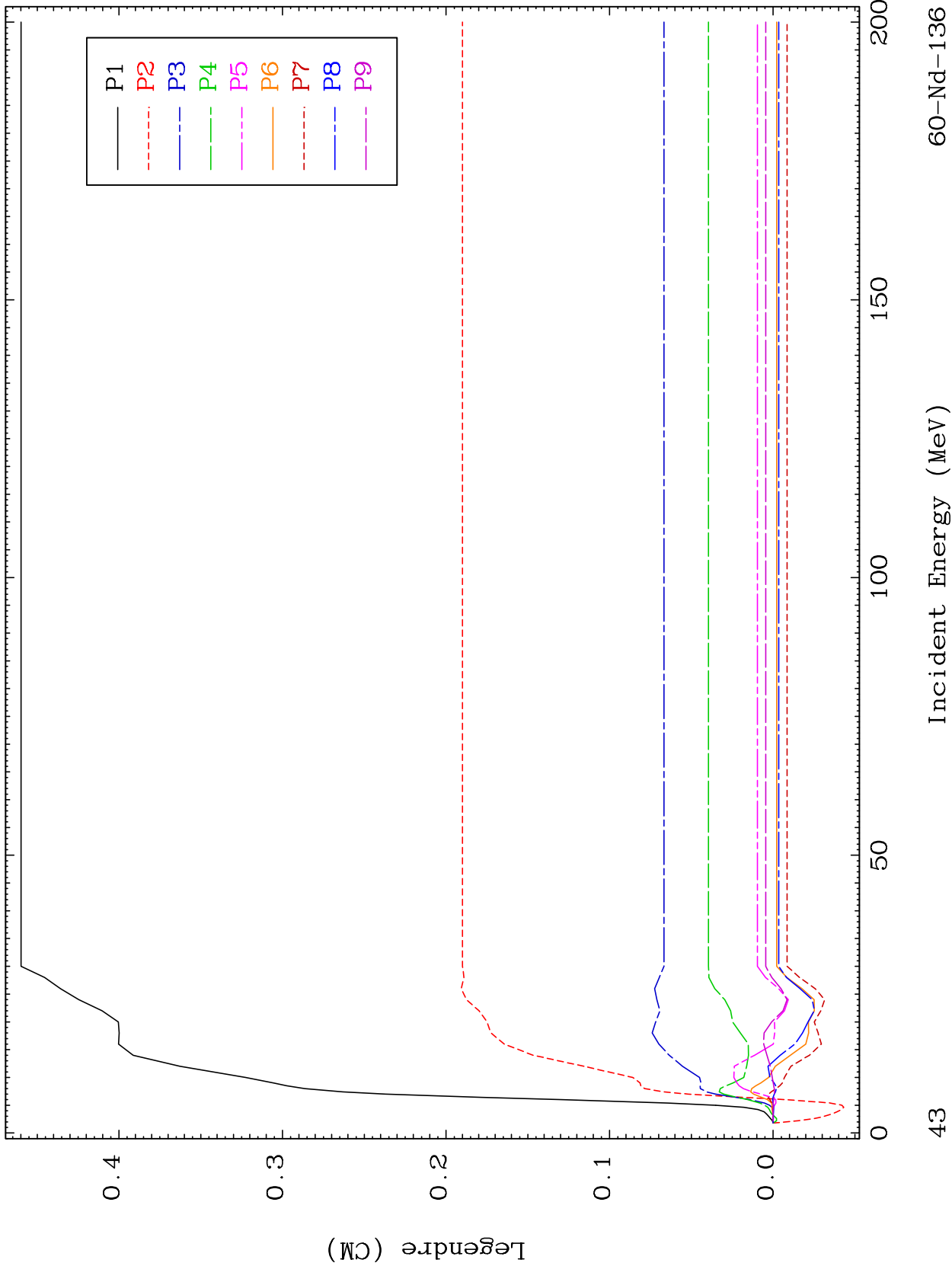
60-Nd-136



MAT 6007

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

60-Nd-136



60-Nd-136

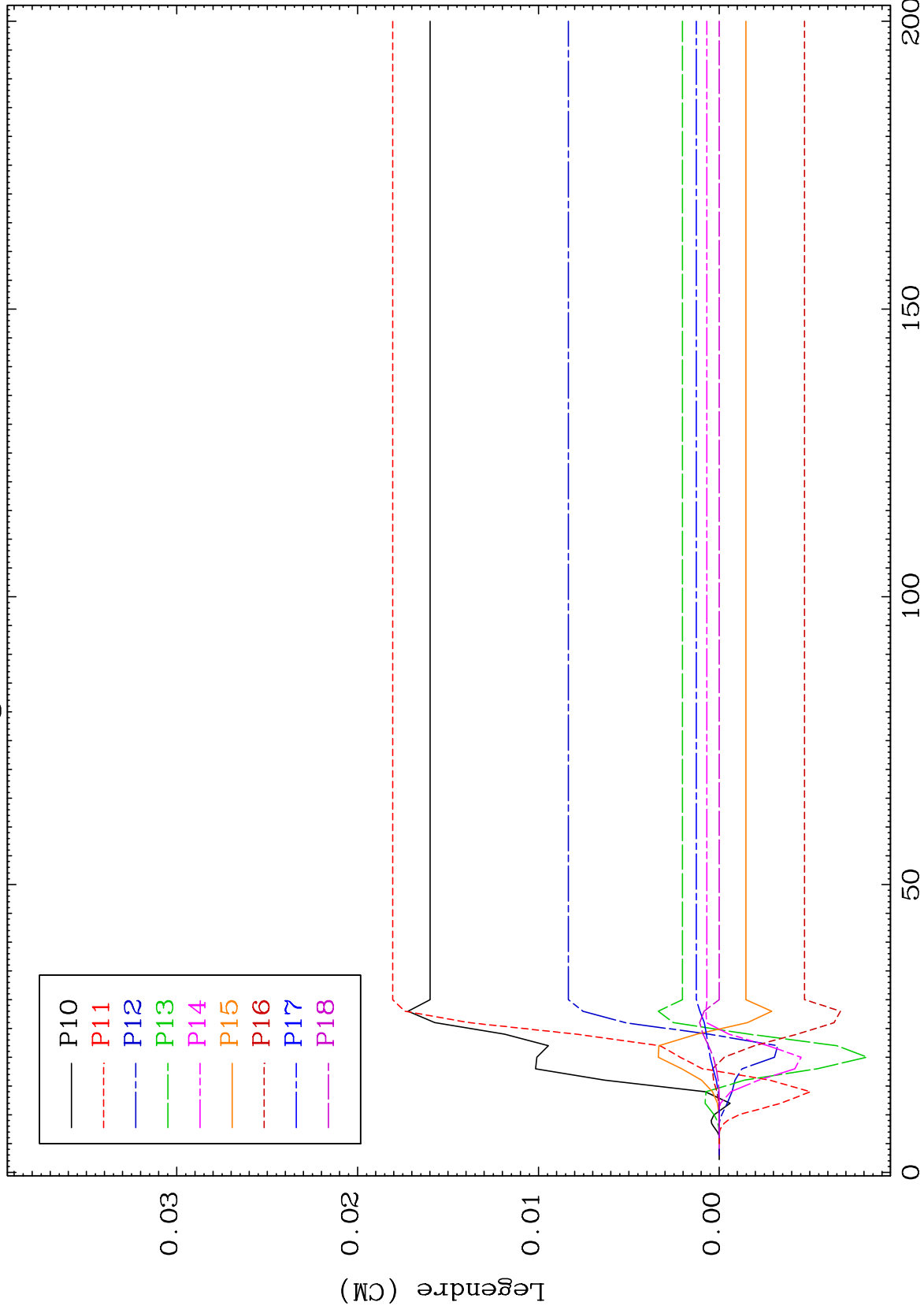
Incident Energy (MeV)

43

MAT 6007

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

60-Nd-136



44

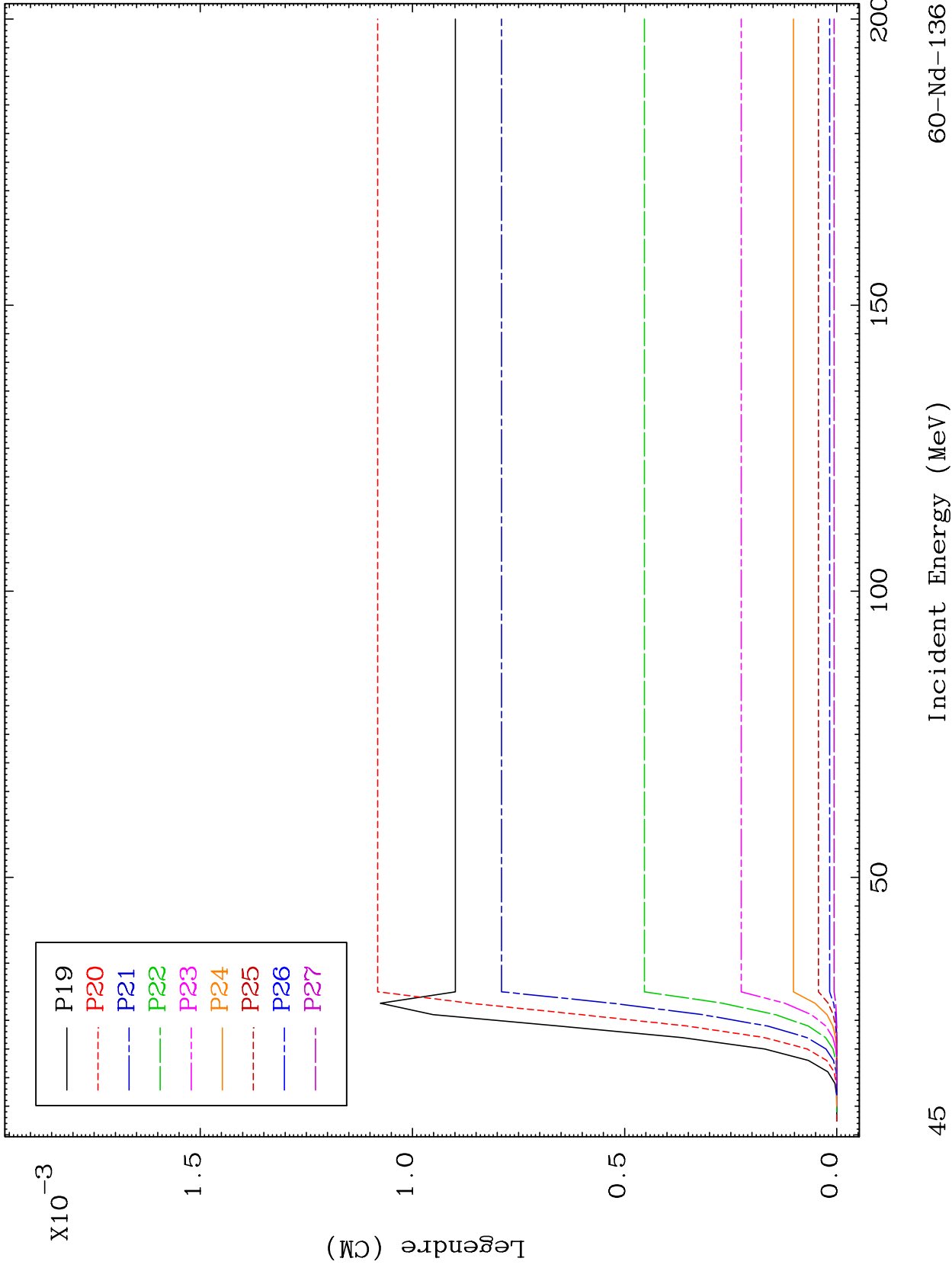
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



45

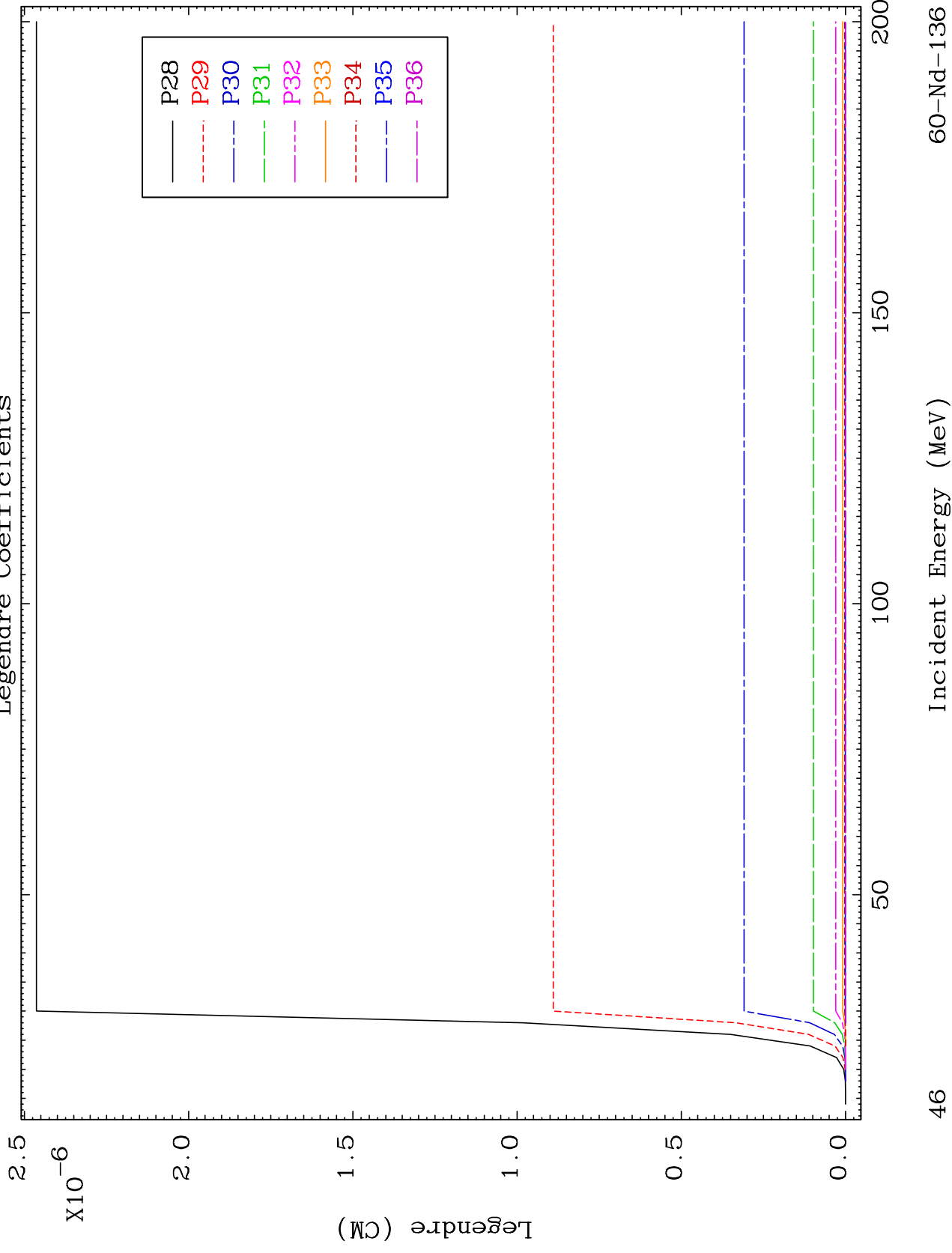
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

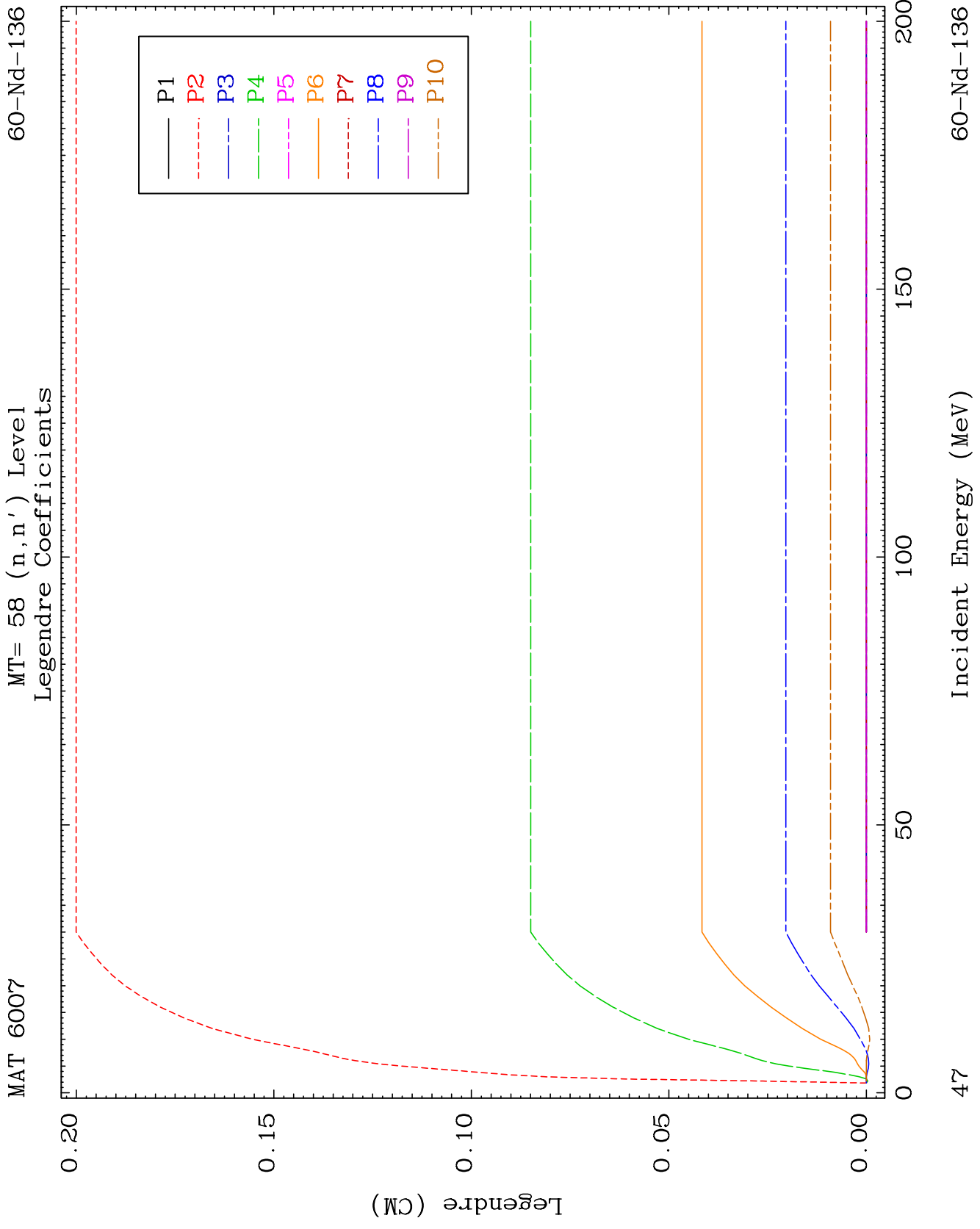
60-Nd-136

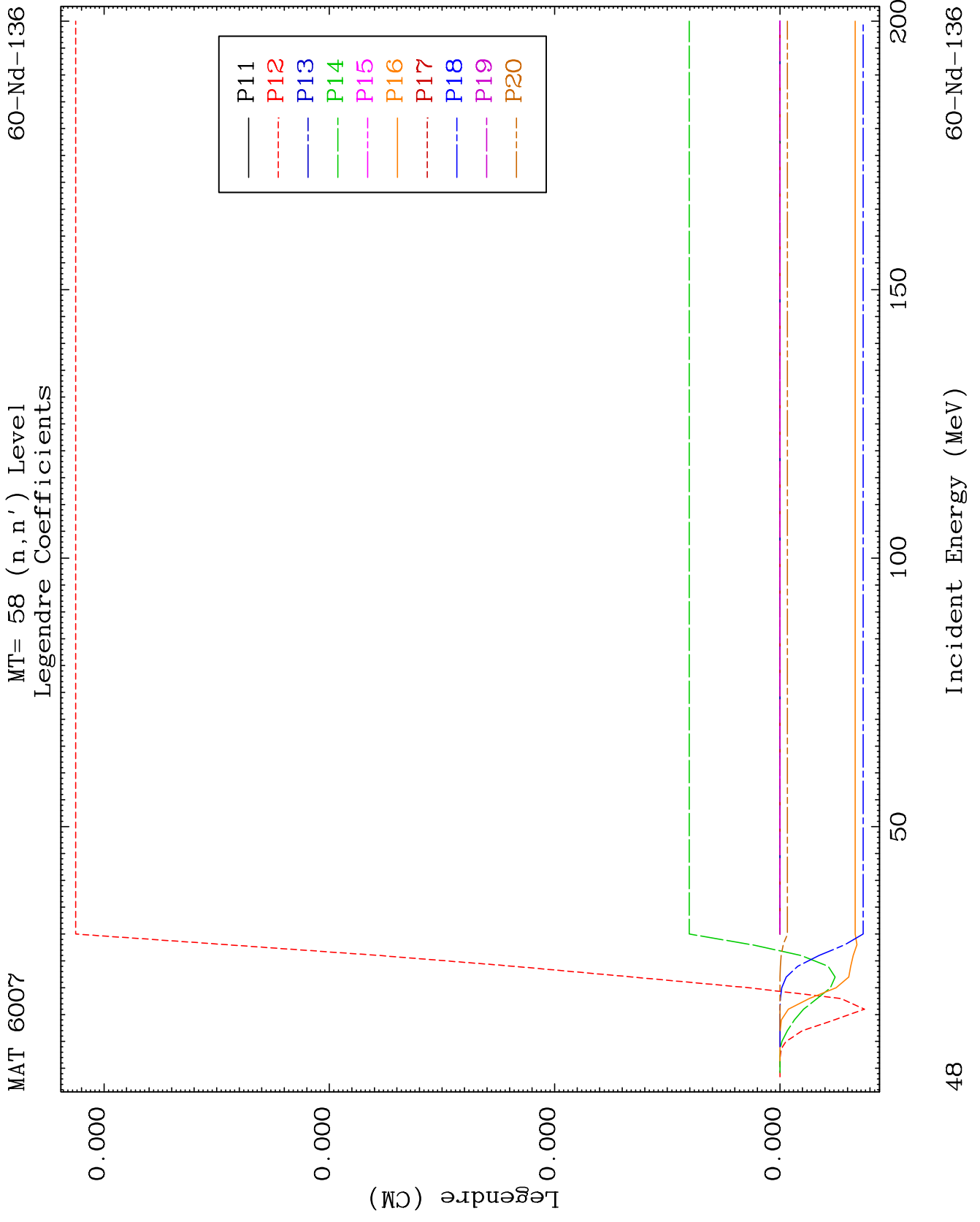


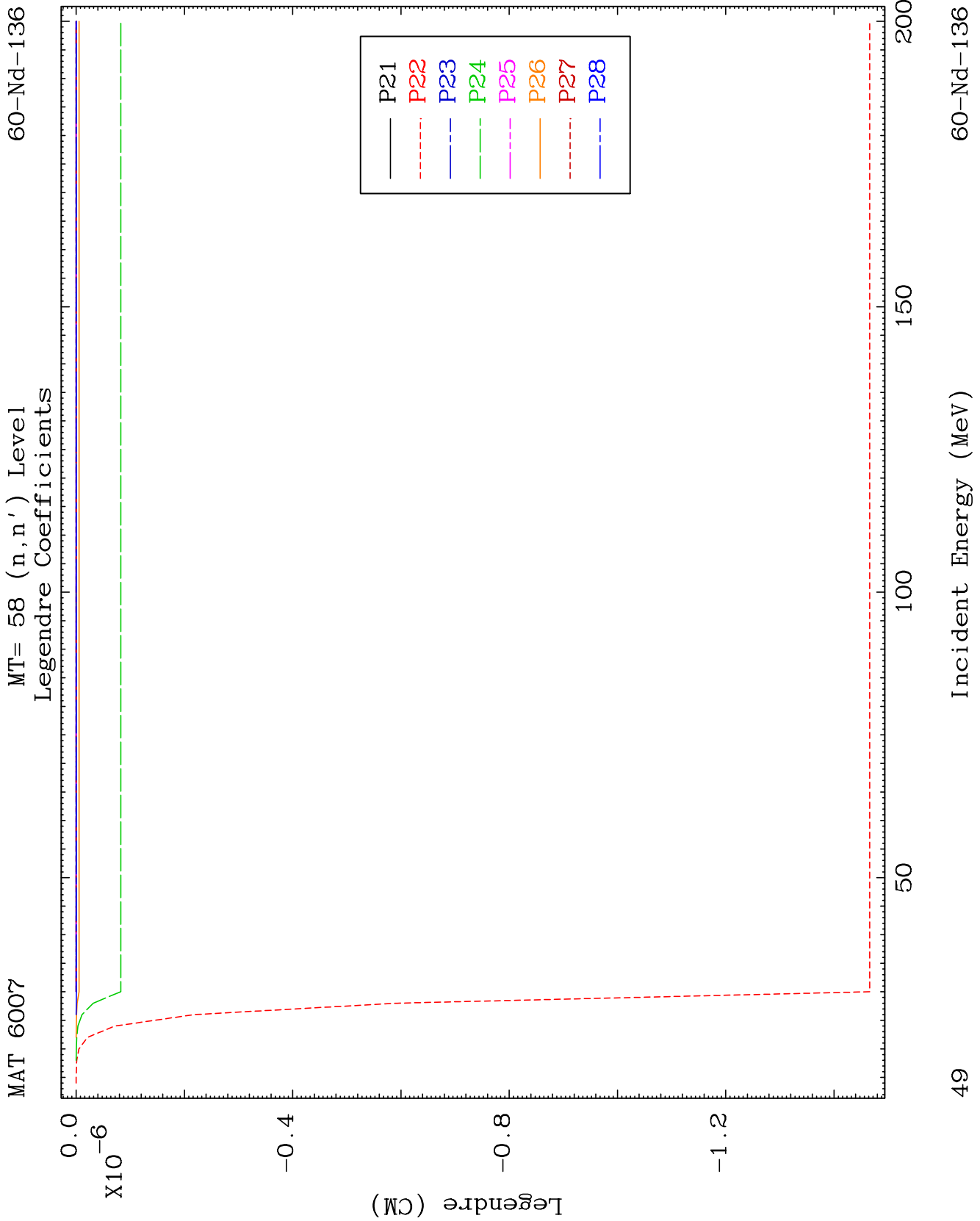
46

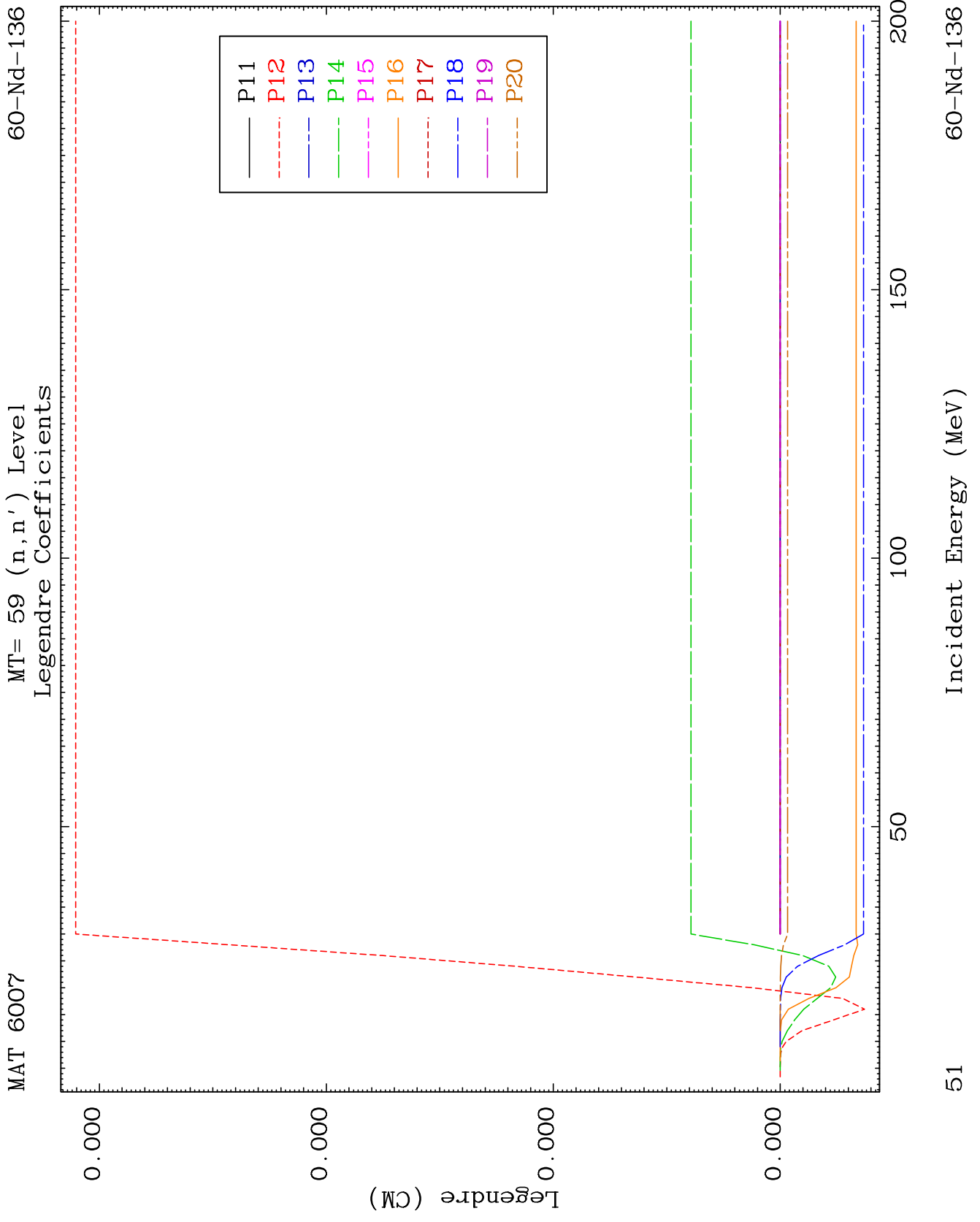
Incident Energy (MeV)

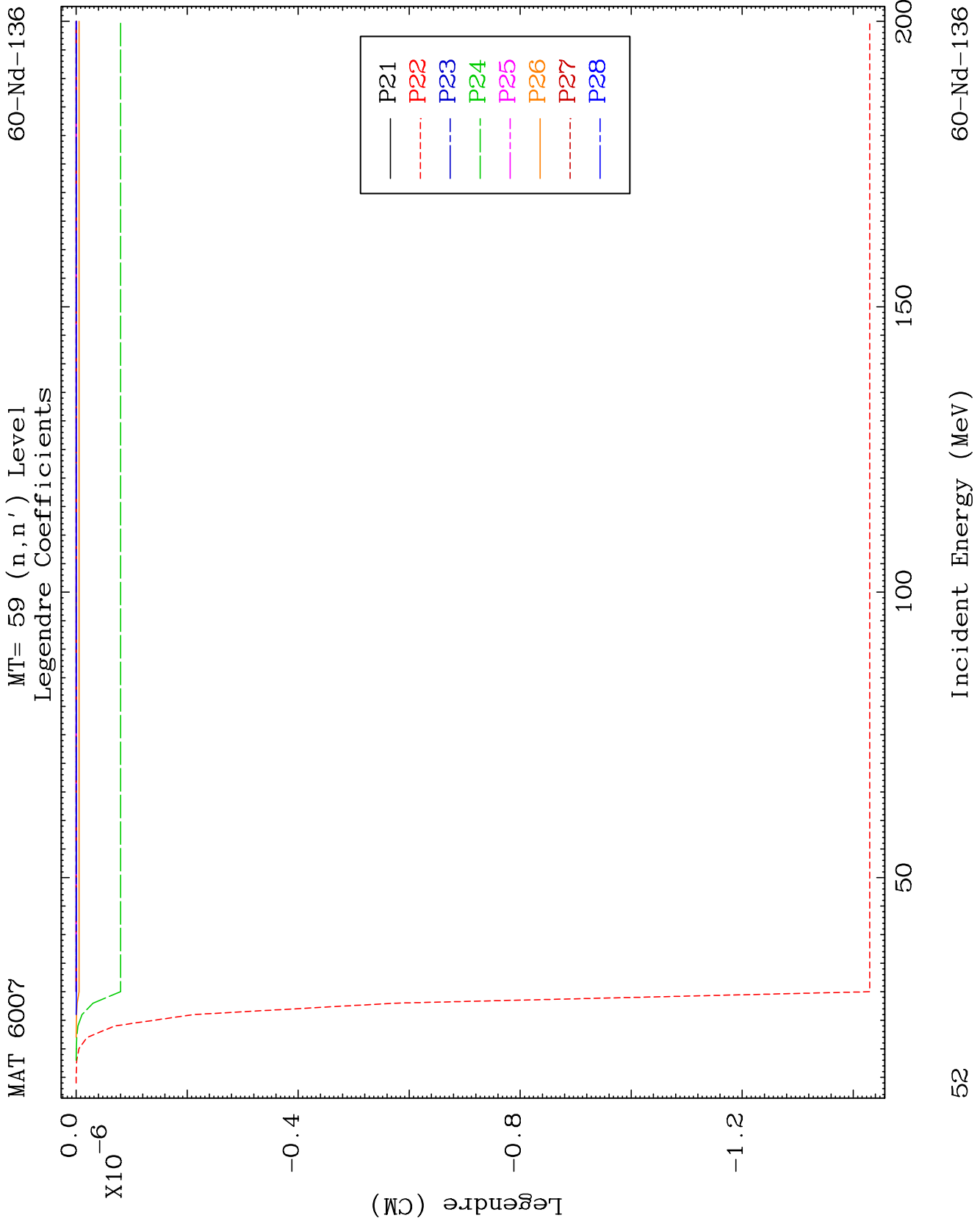
60-Nd-136







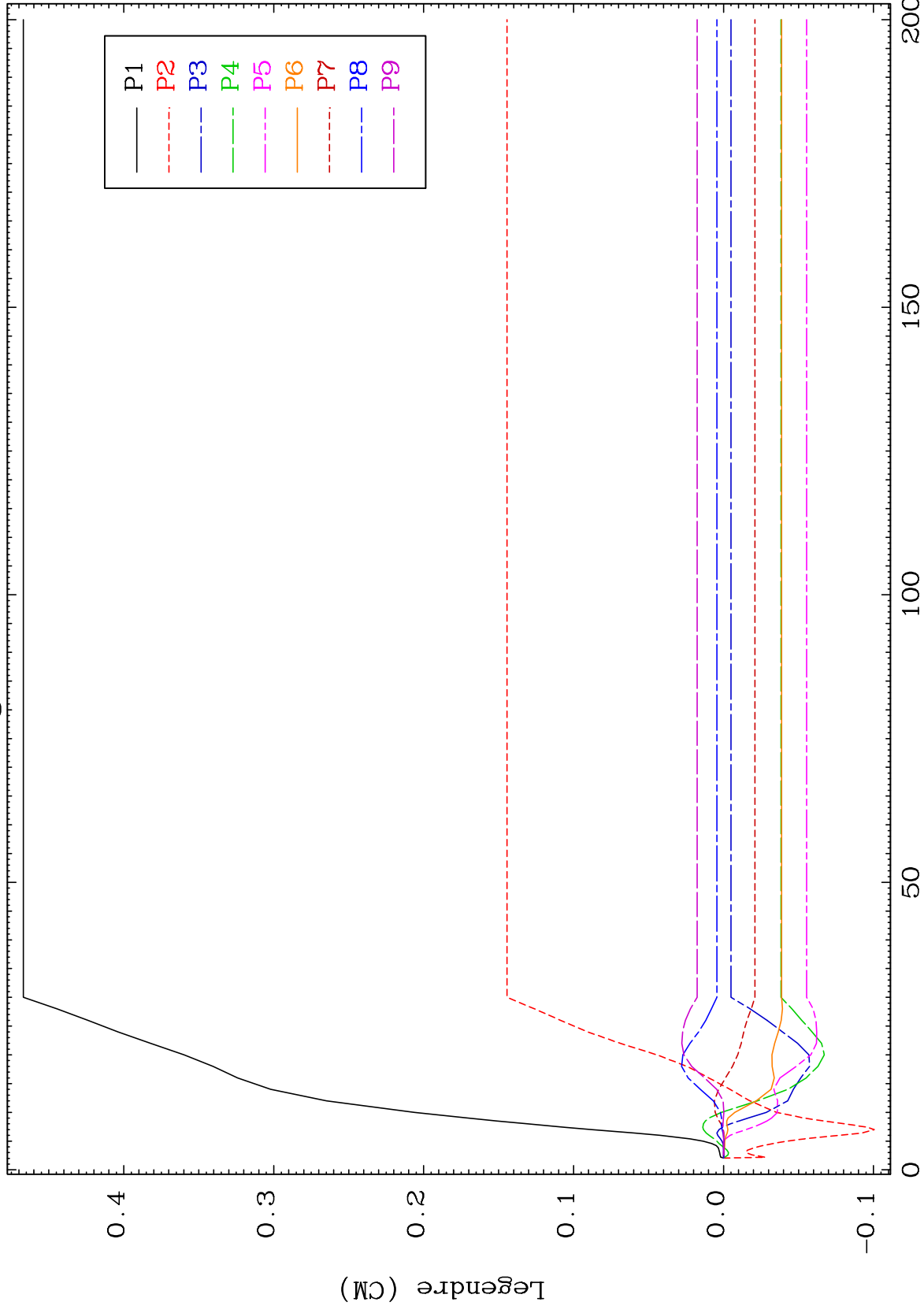




MAT 6007

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

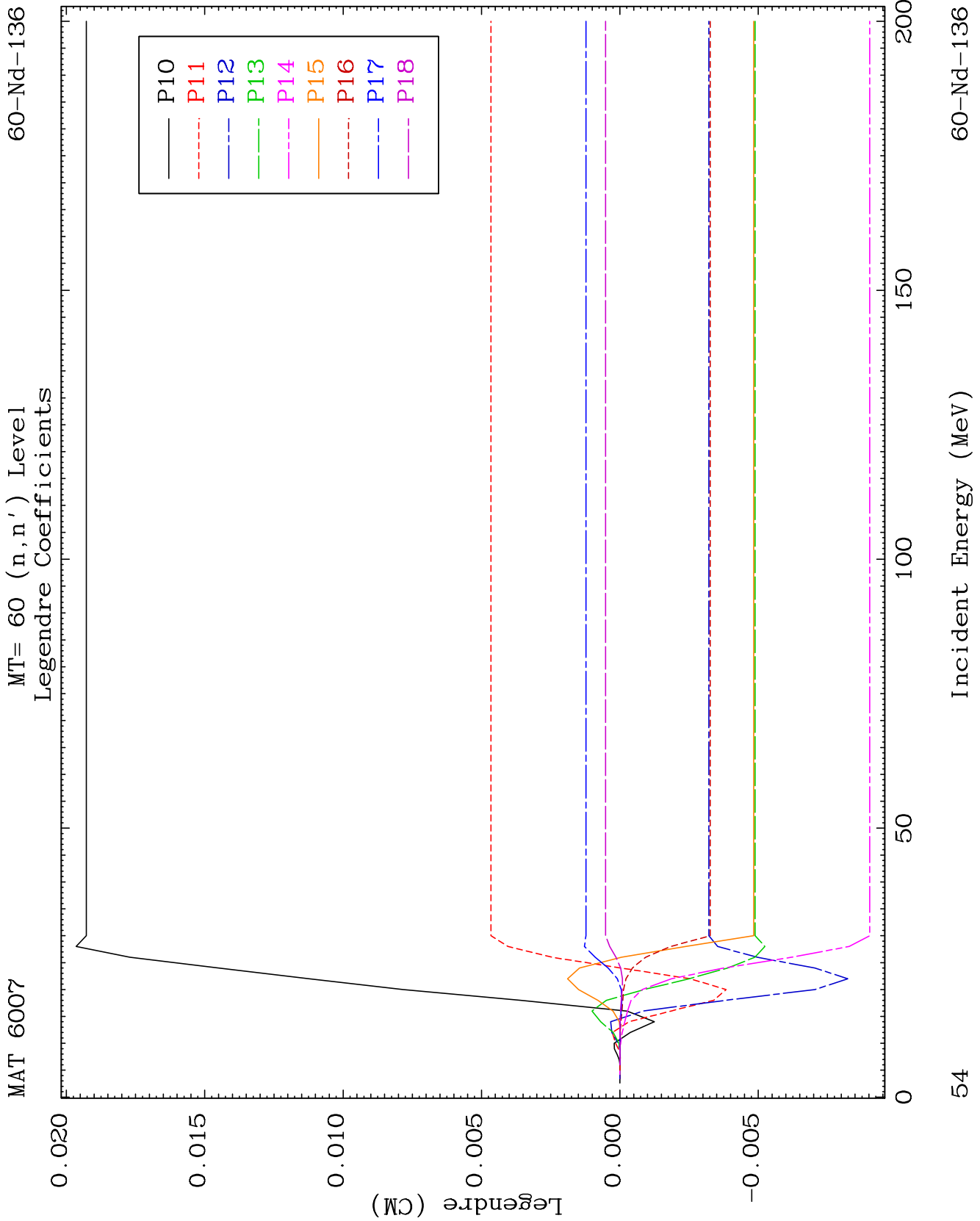
60-Nd-136



60-Nd-136

Incident Energy (MeV)

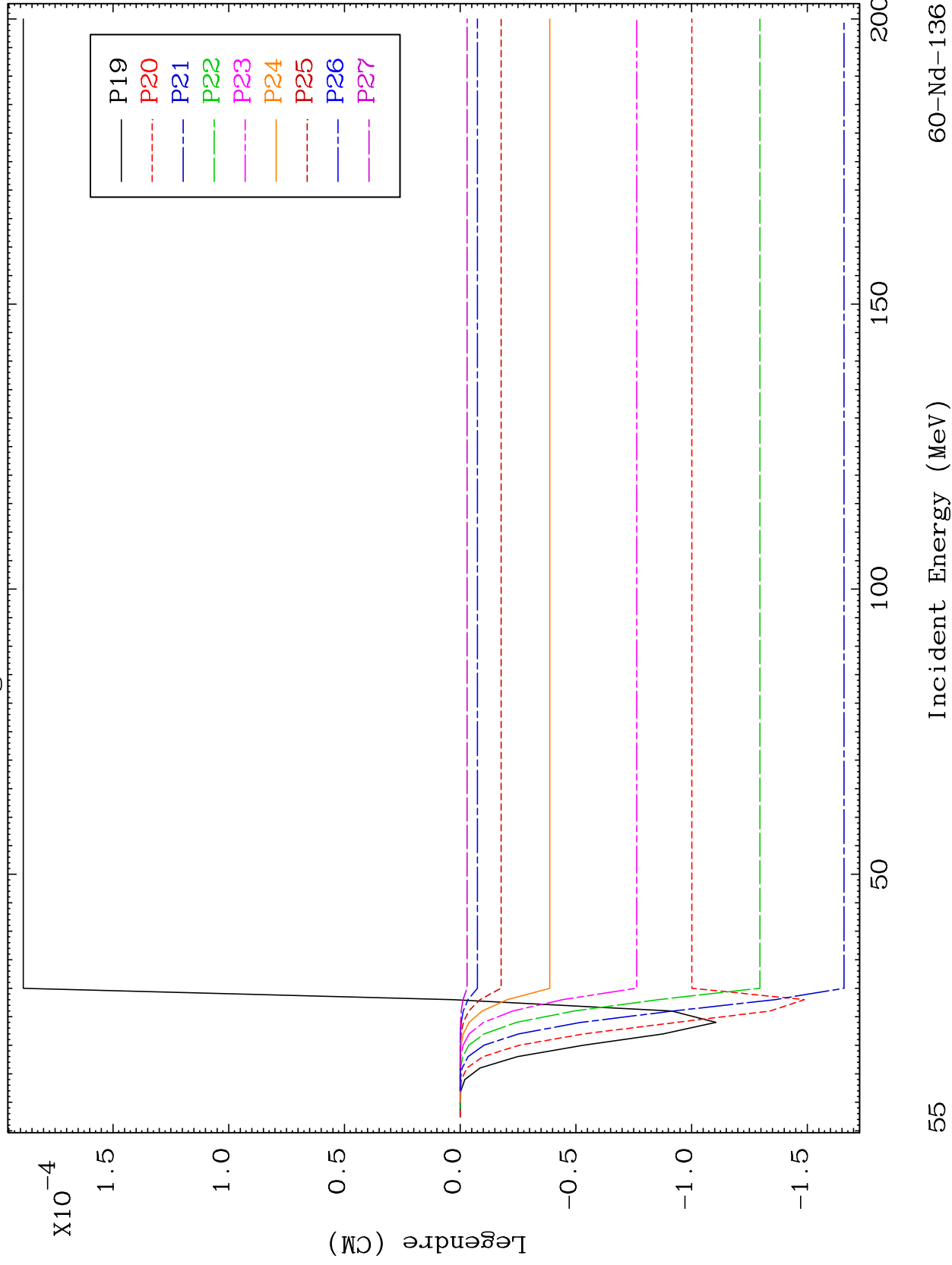
53



MAT 6007

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

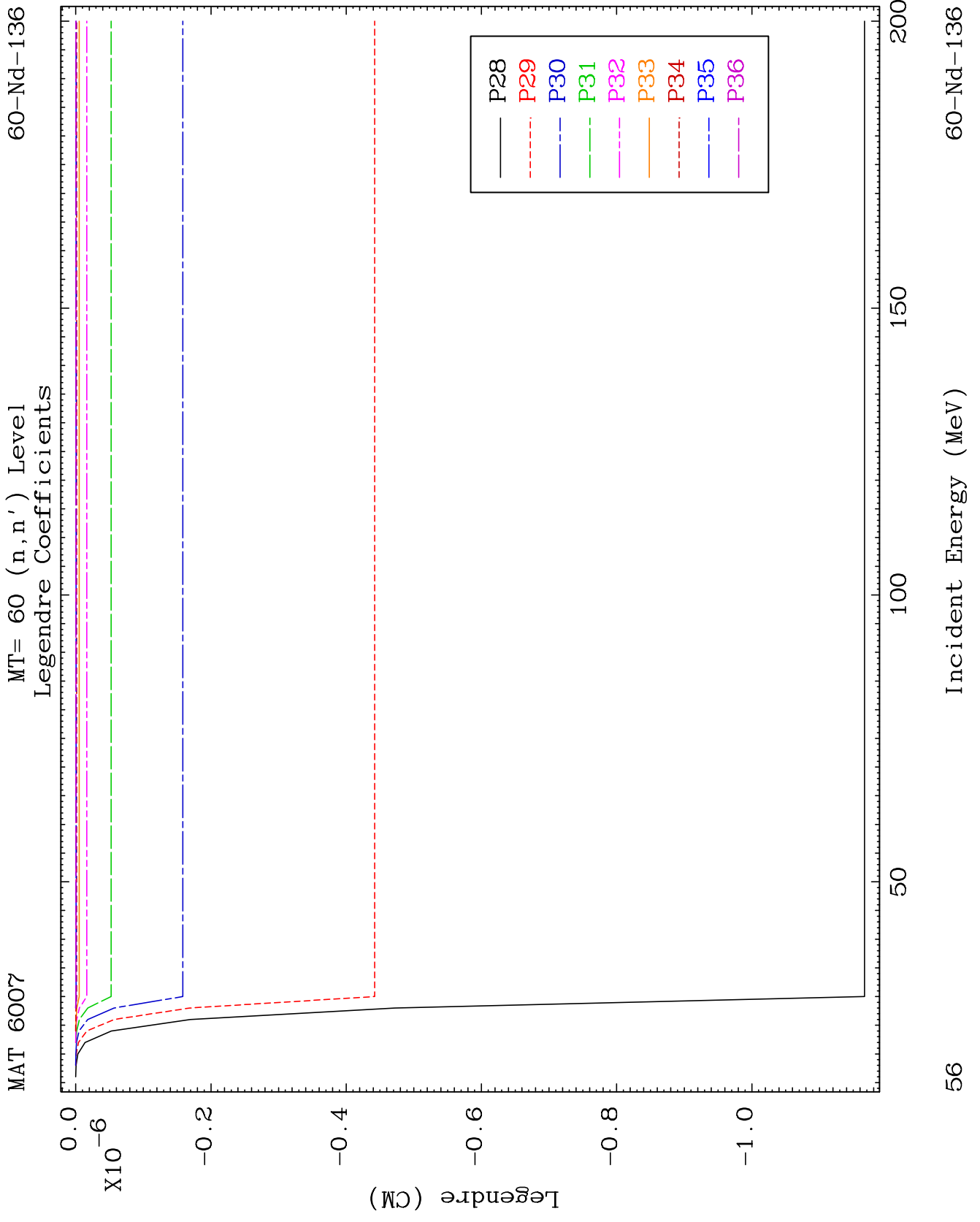
60-Nd-136

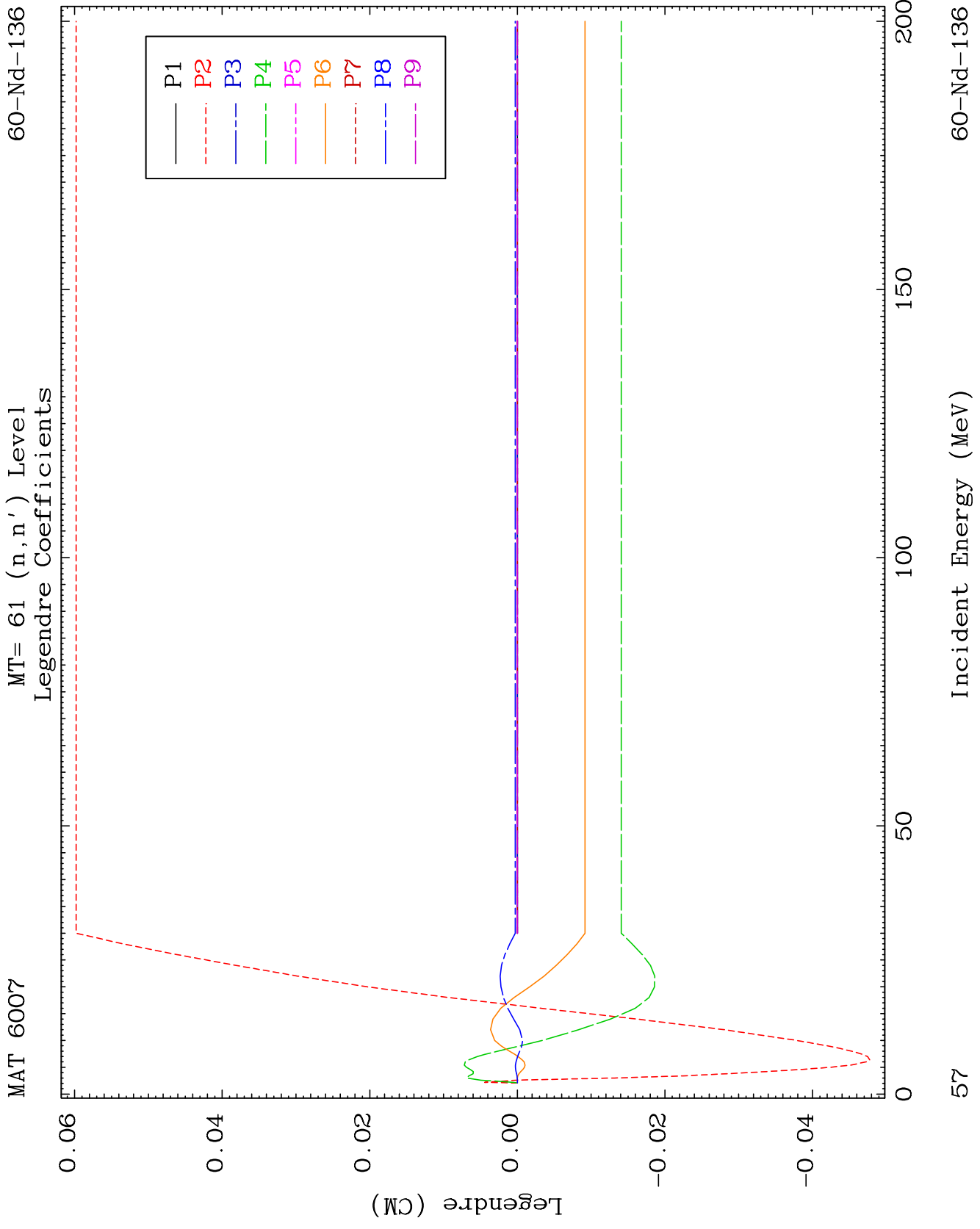


55

Incident Energy (MeV)

60-Nd-136

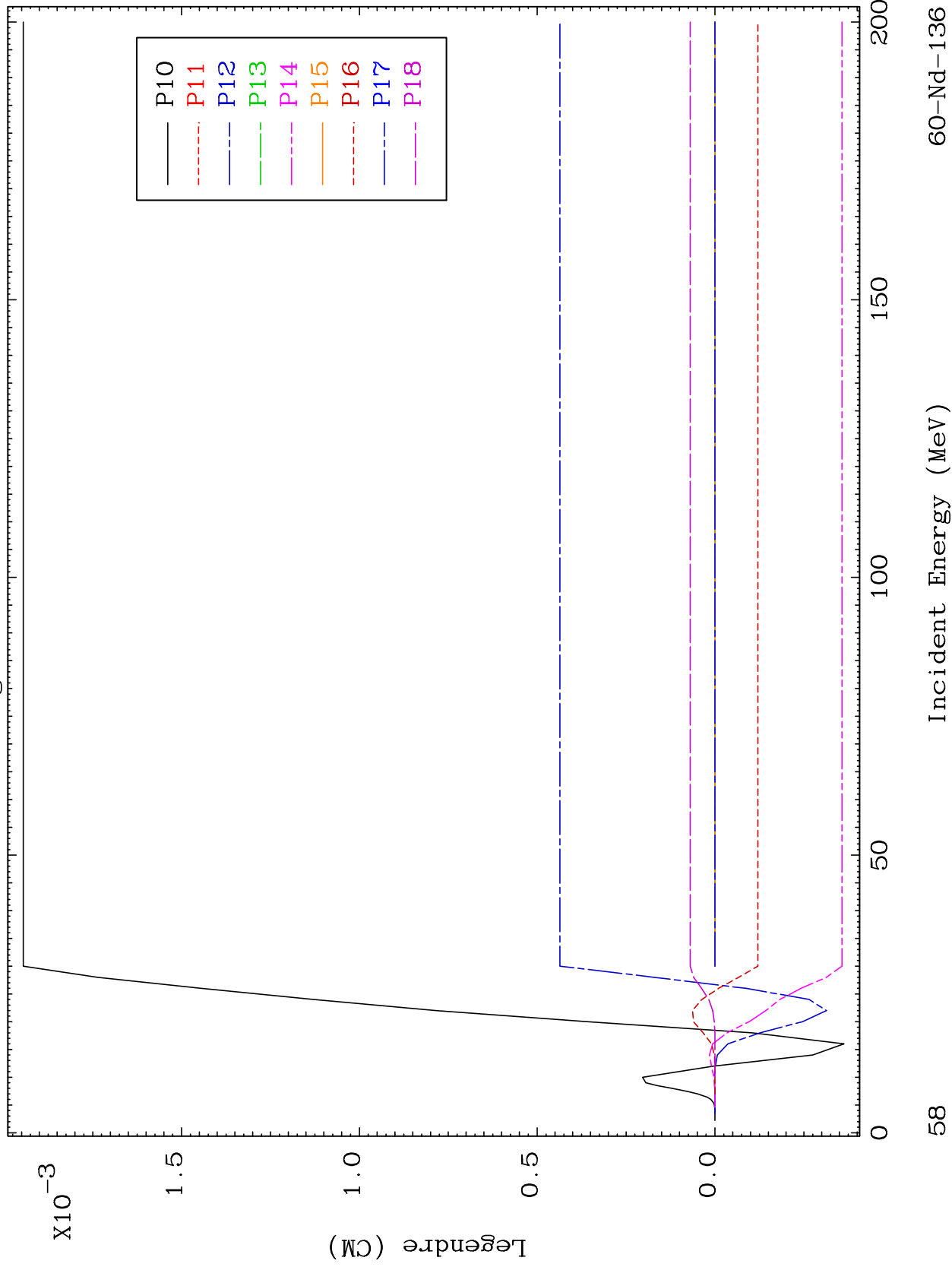




MAT 6007

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

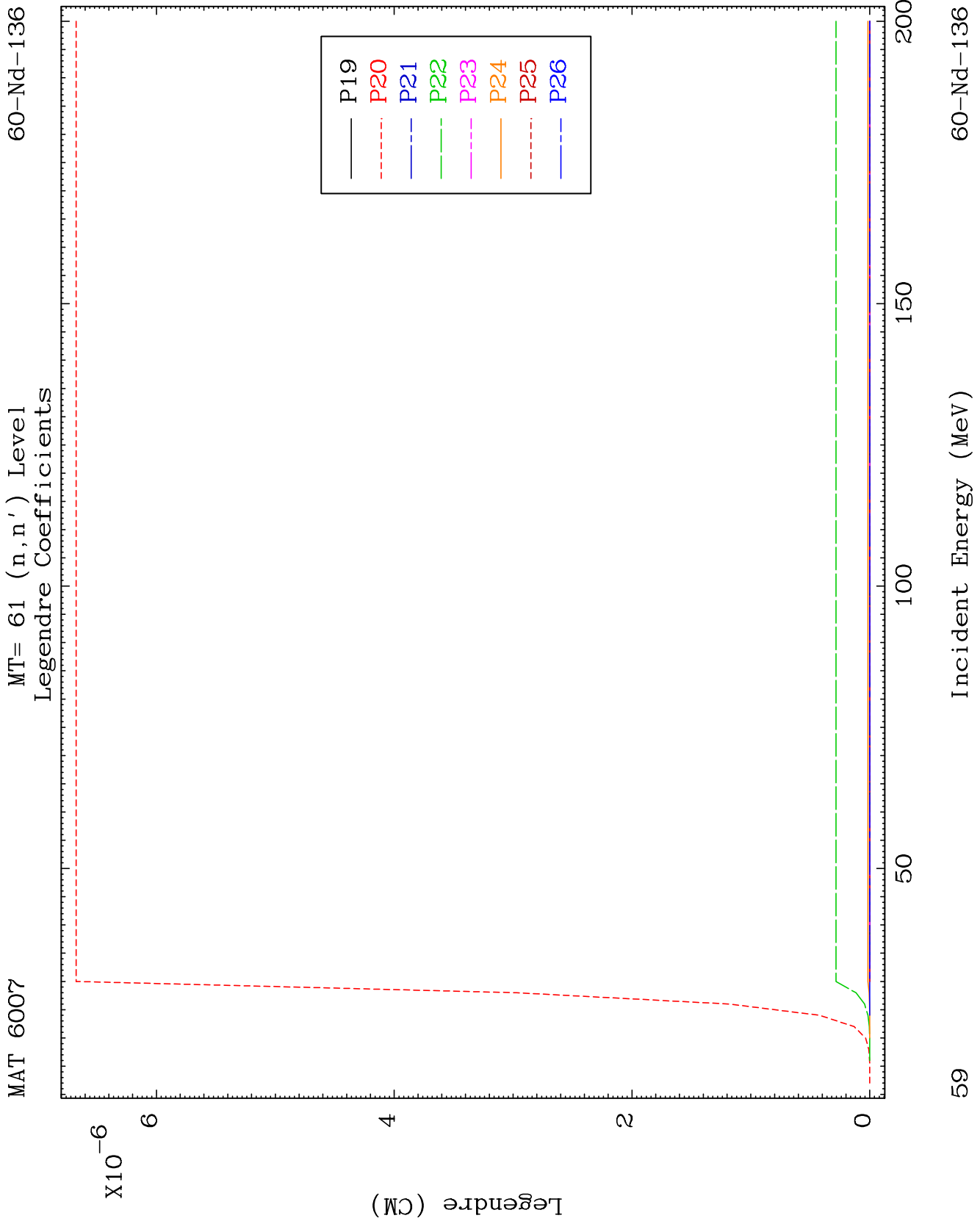
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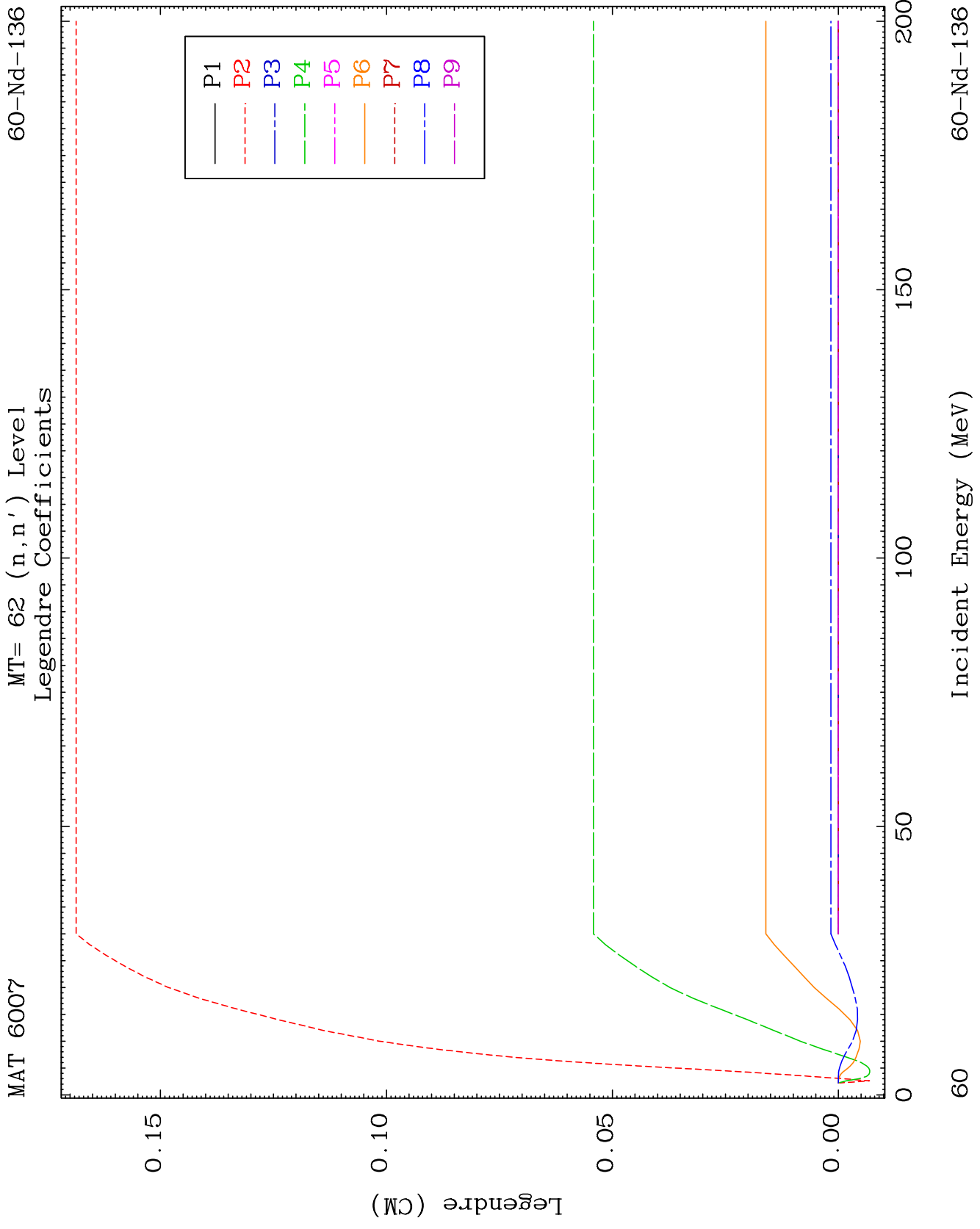


60-Nd-136

Incident Energy (MeV)

58

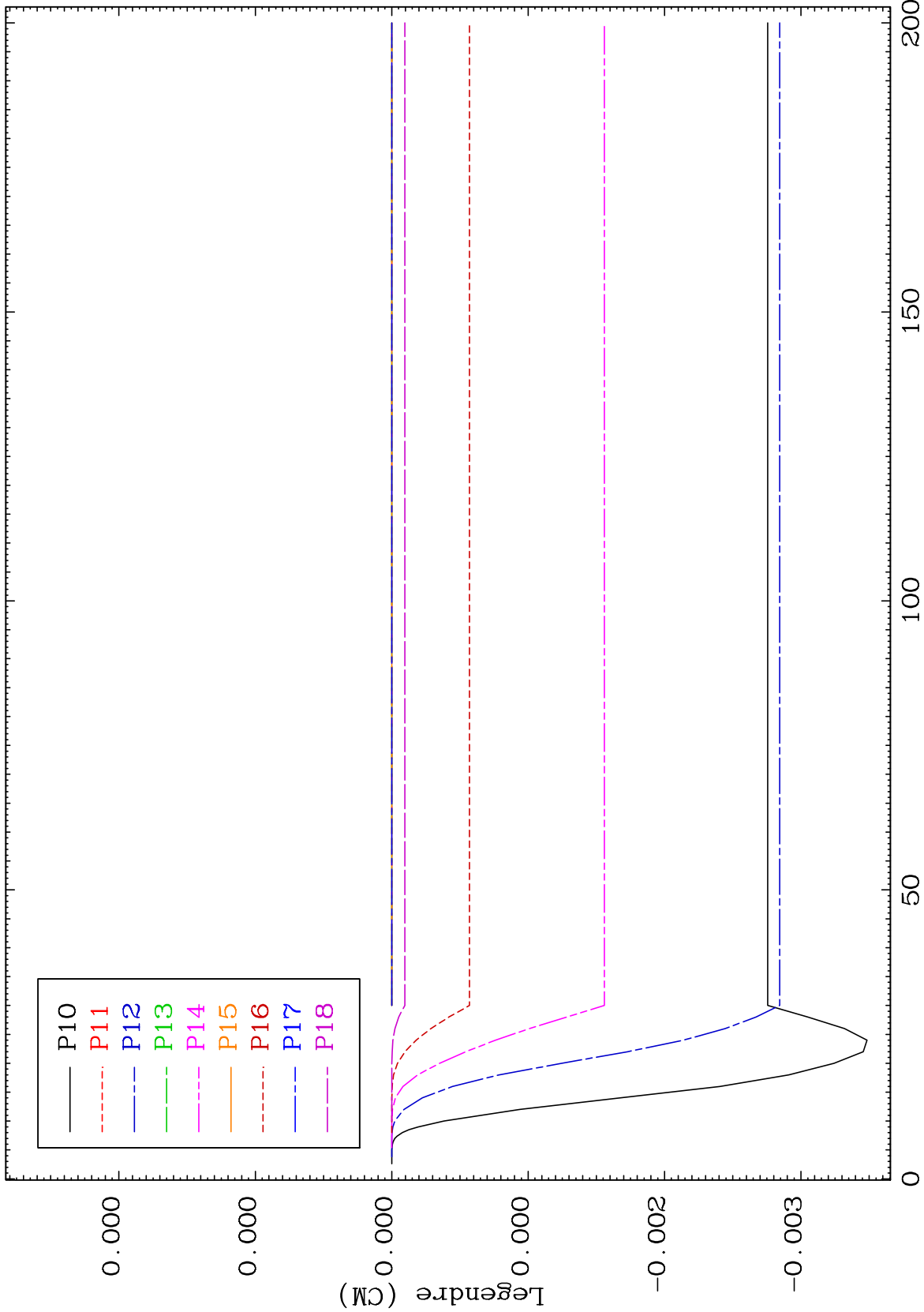




MAT 6007

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

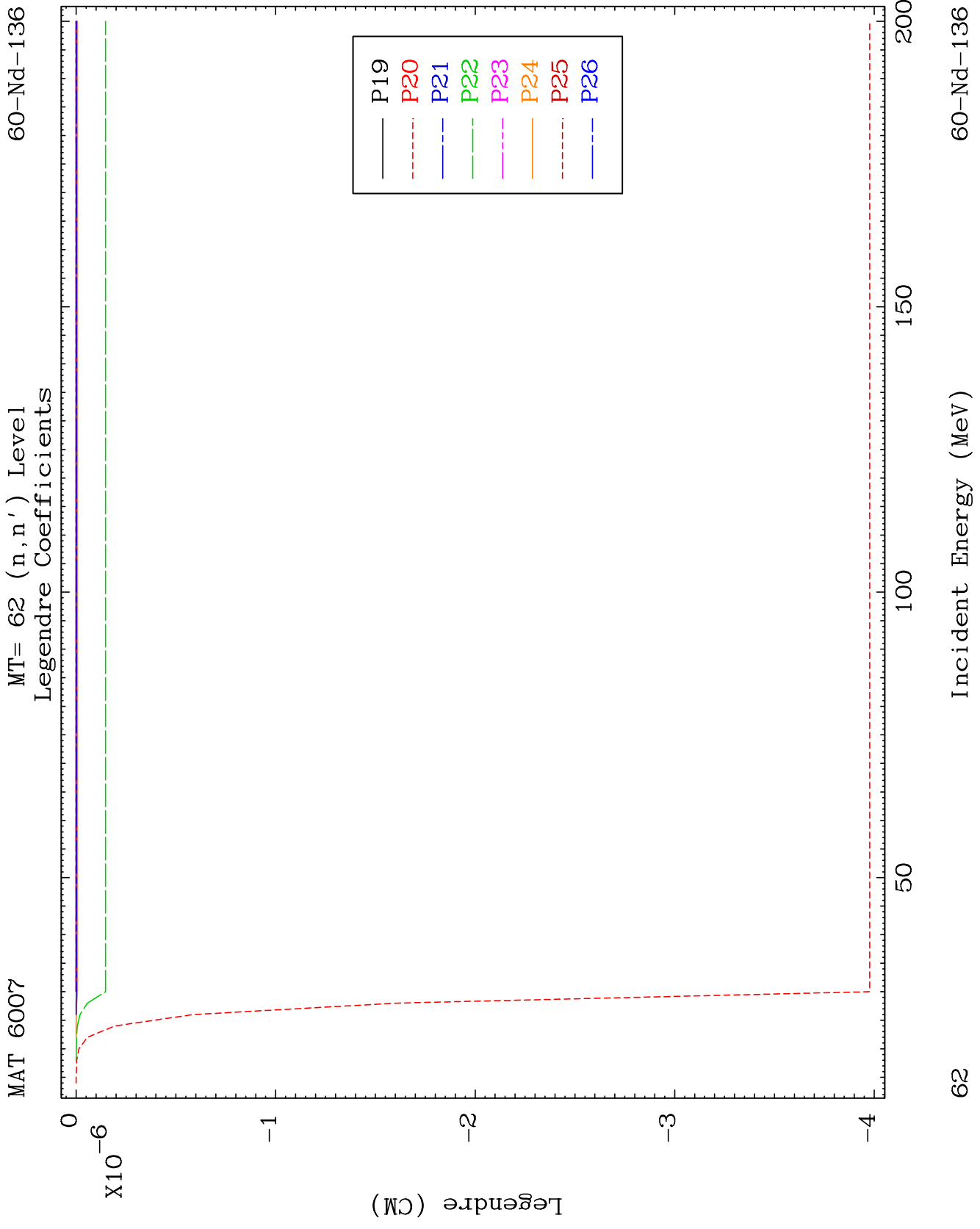
60-Nd-136



61

Incident Energy (MeV)

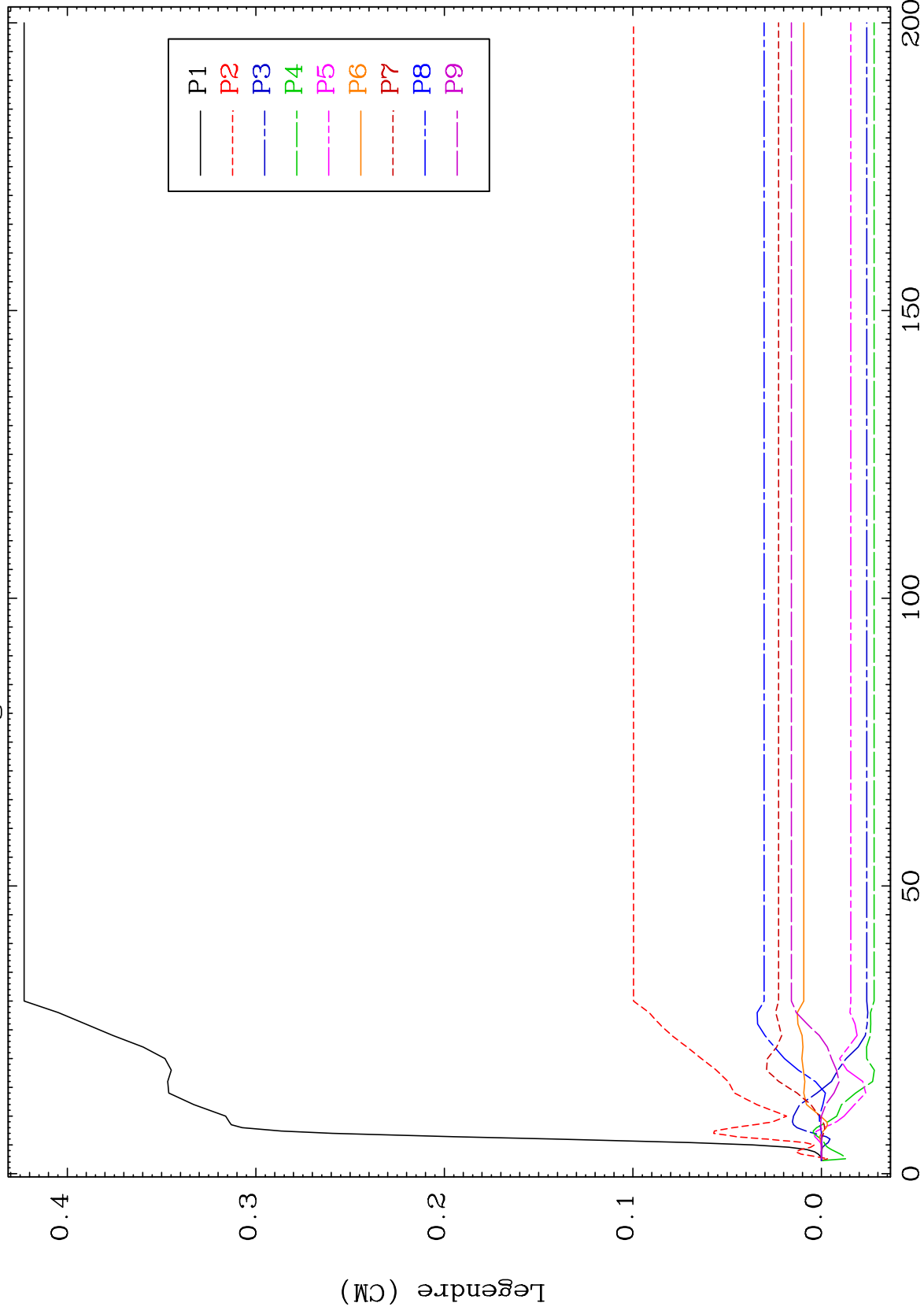
60-Nd-136



MAT 6007

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

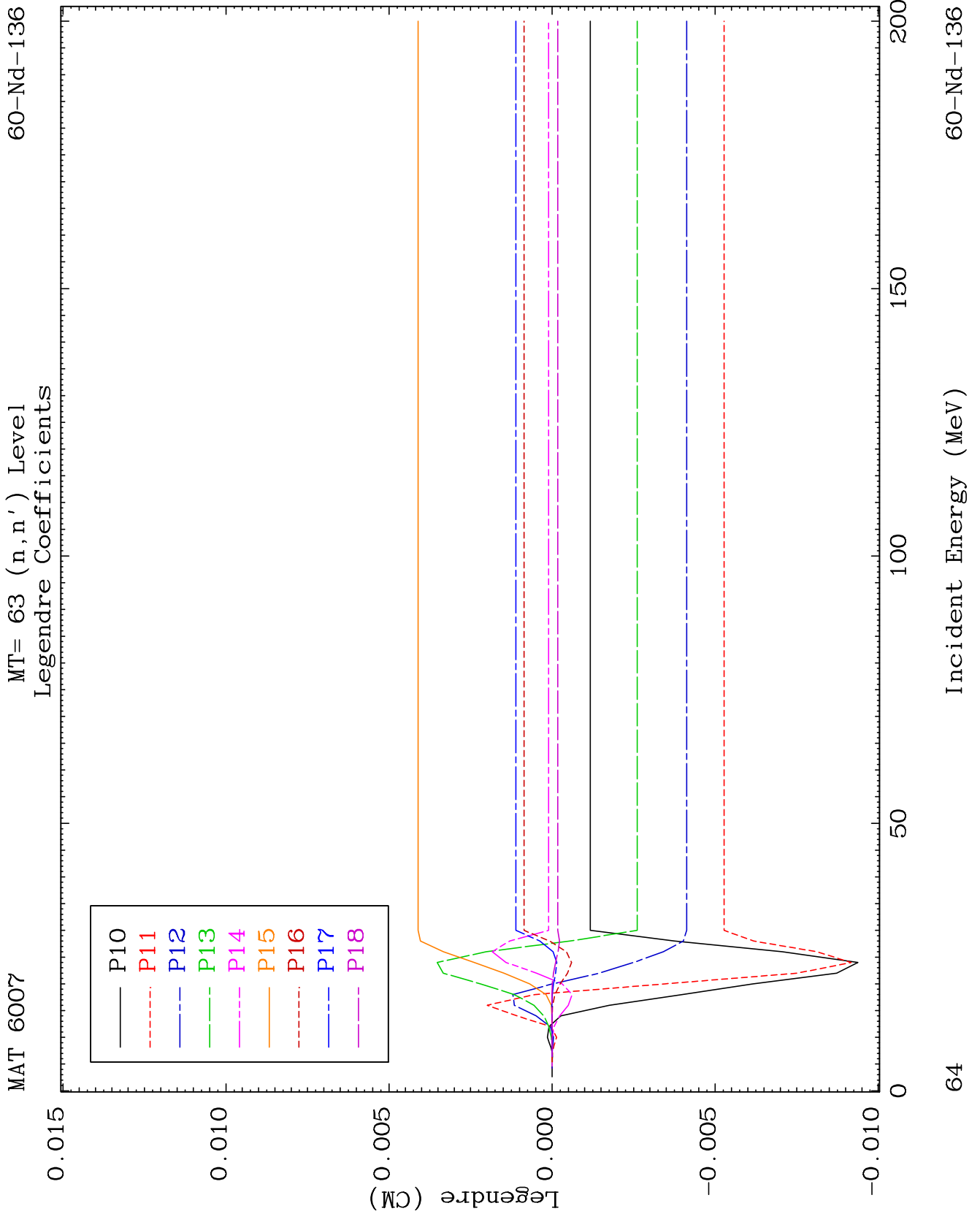
60-Nd-136

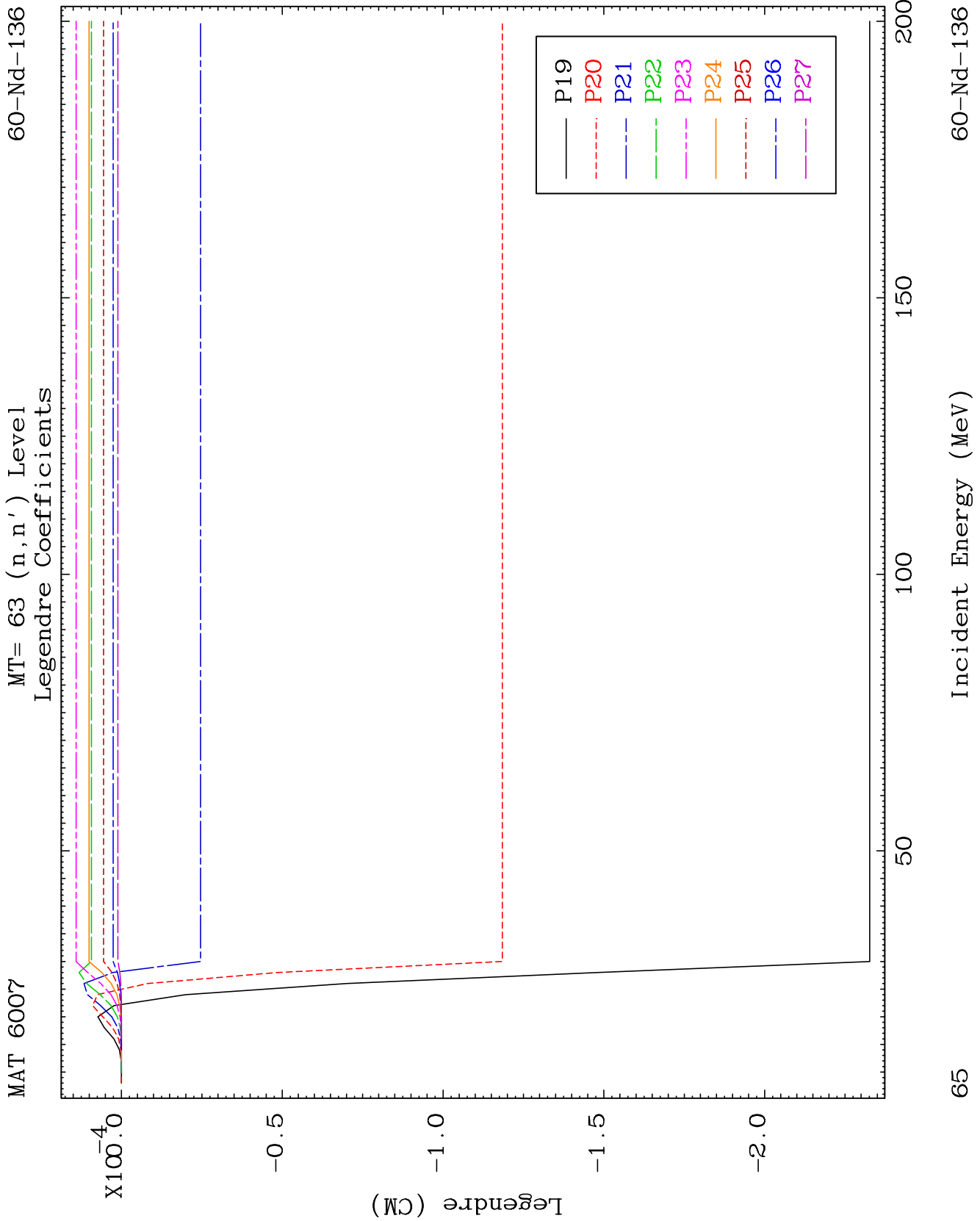


63

Incident Energy (MeV)

60-Nd-136

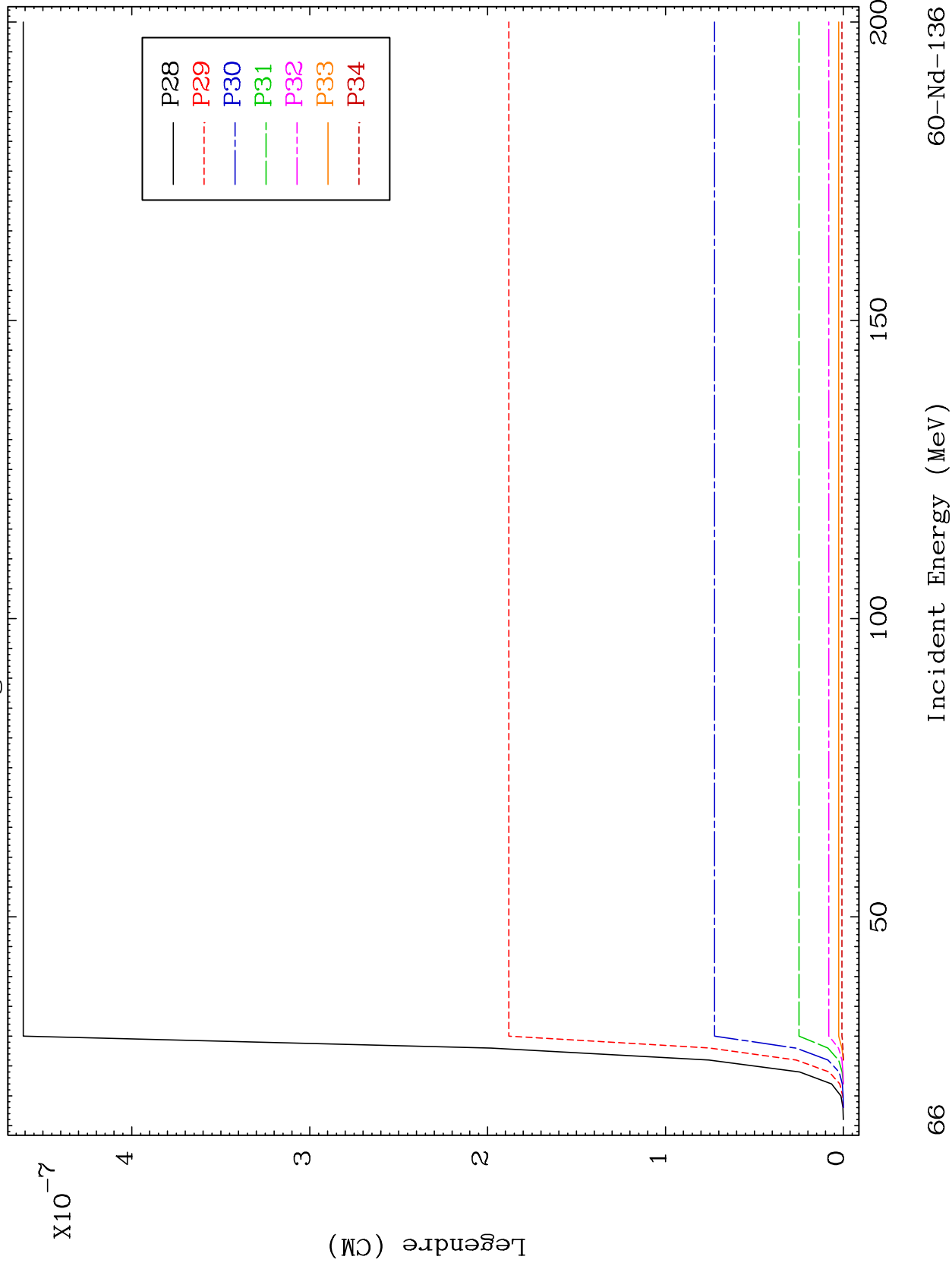




MAT 6007

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

60-Nd-136



66

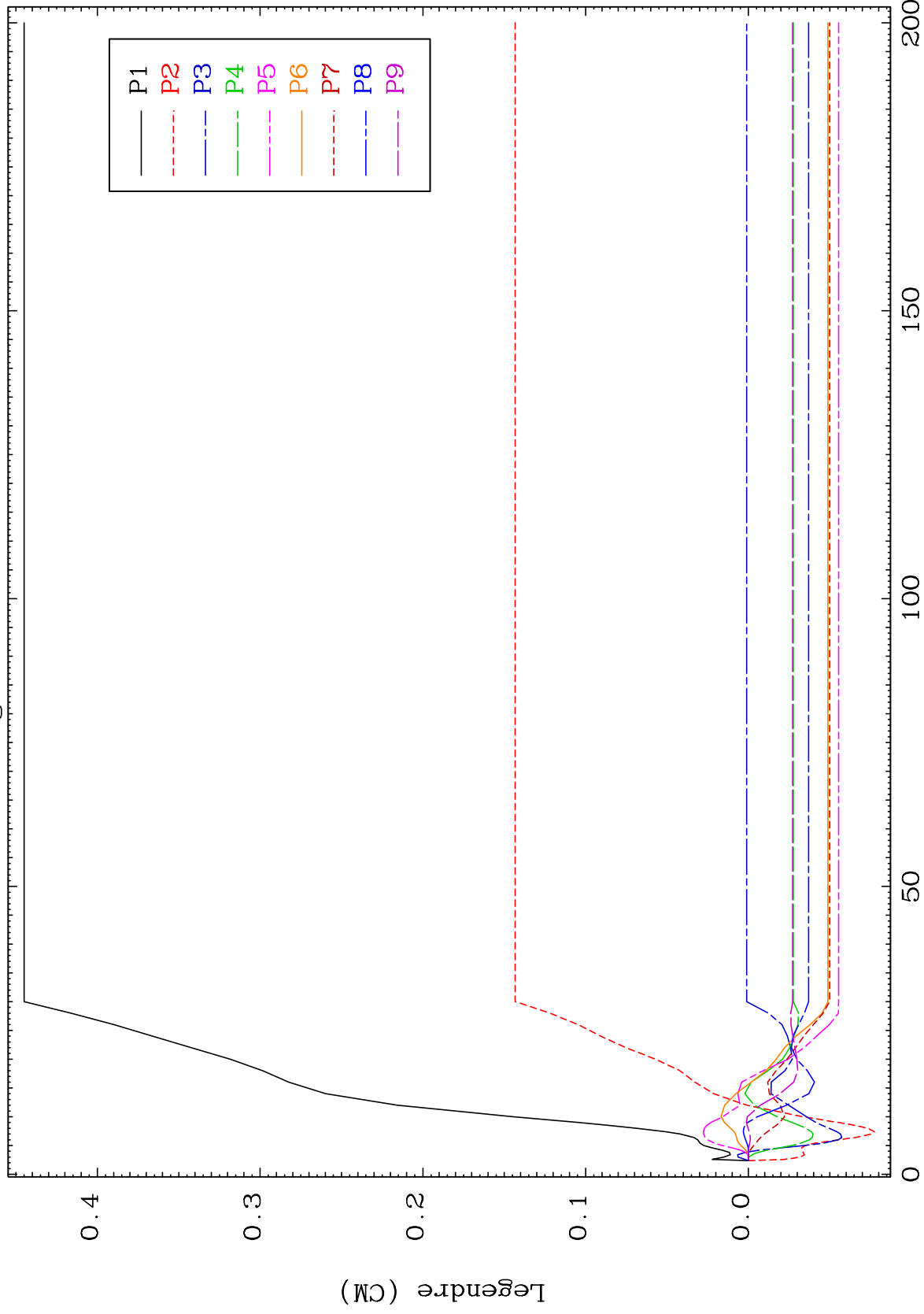
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



67

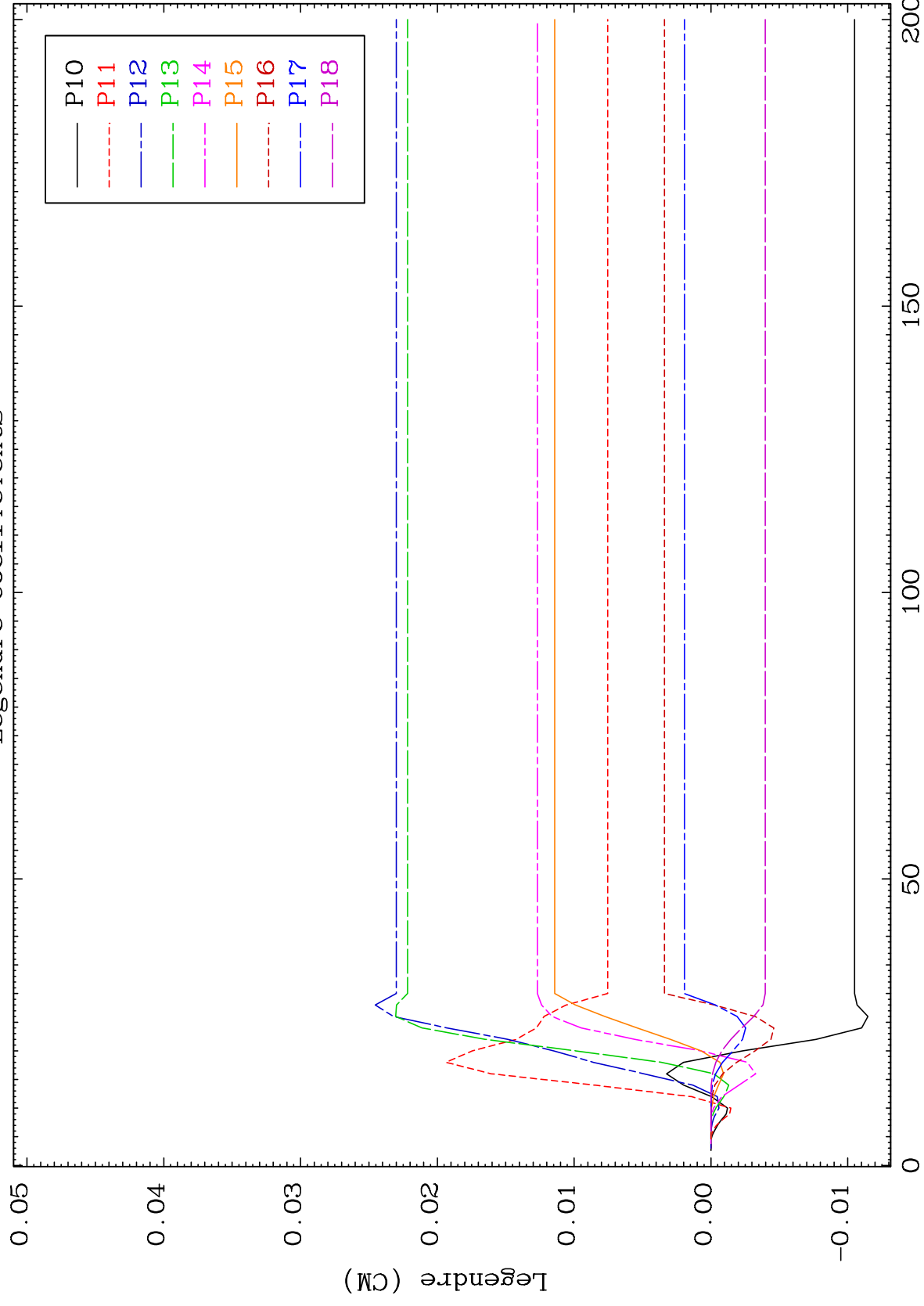
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



68

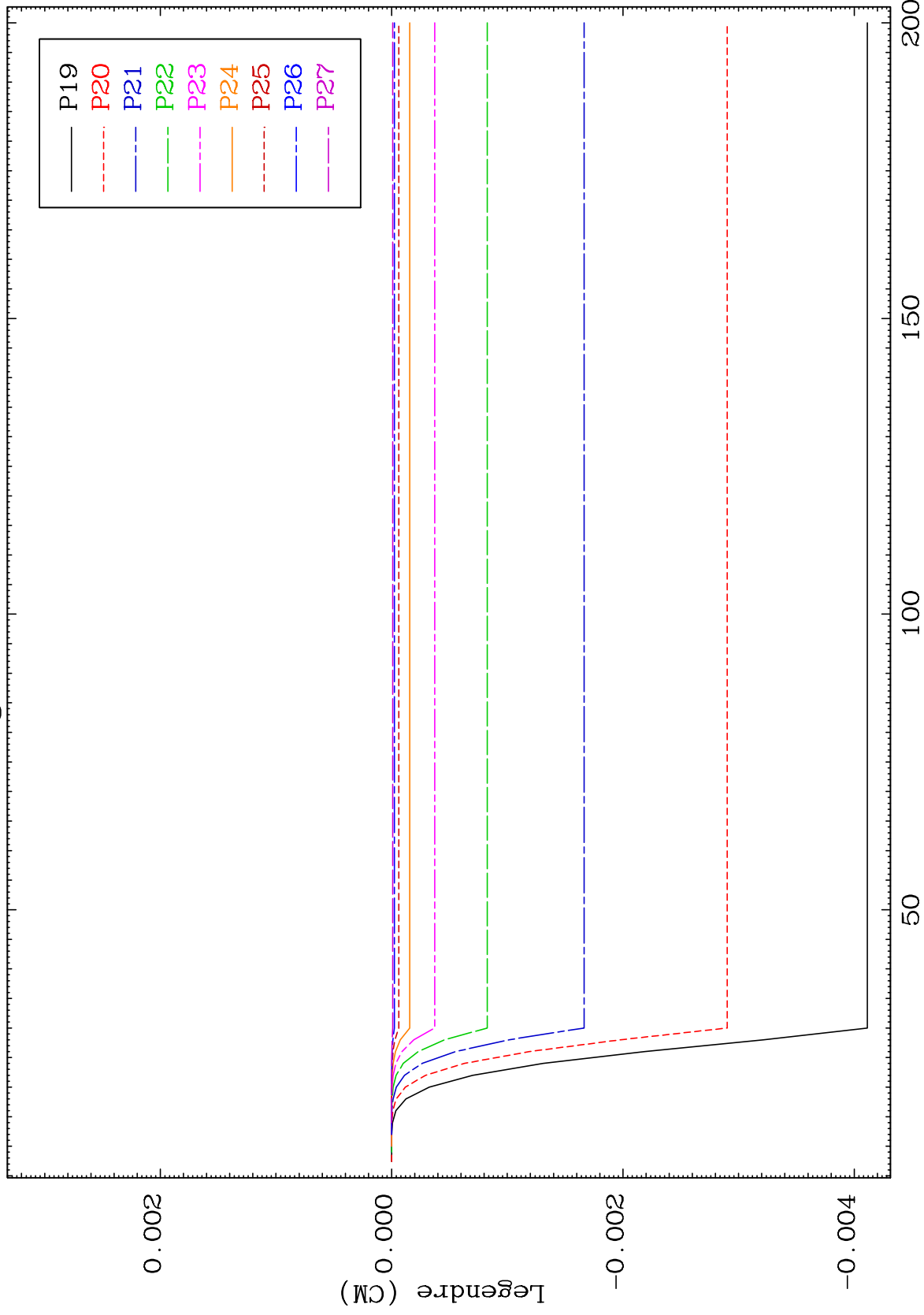
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

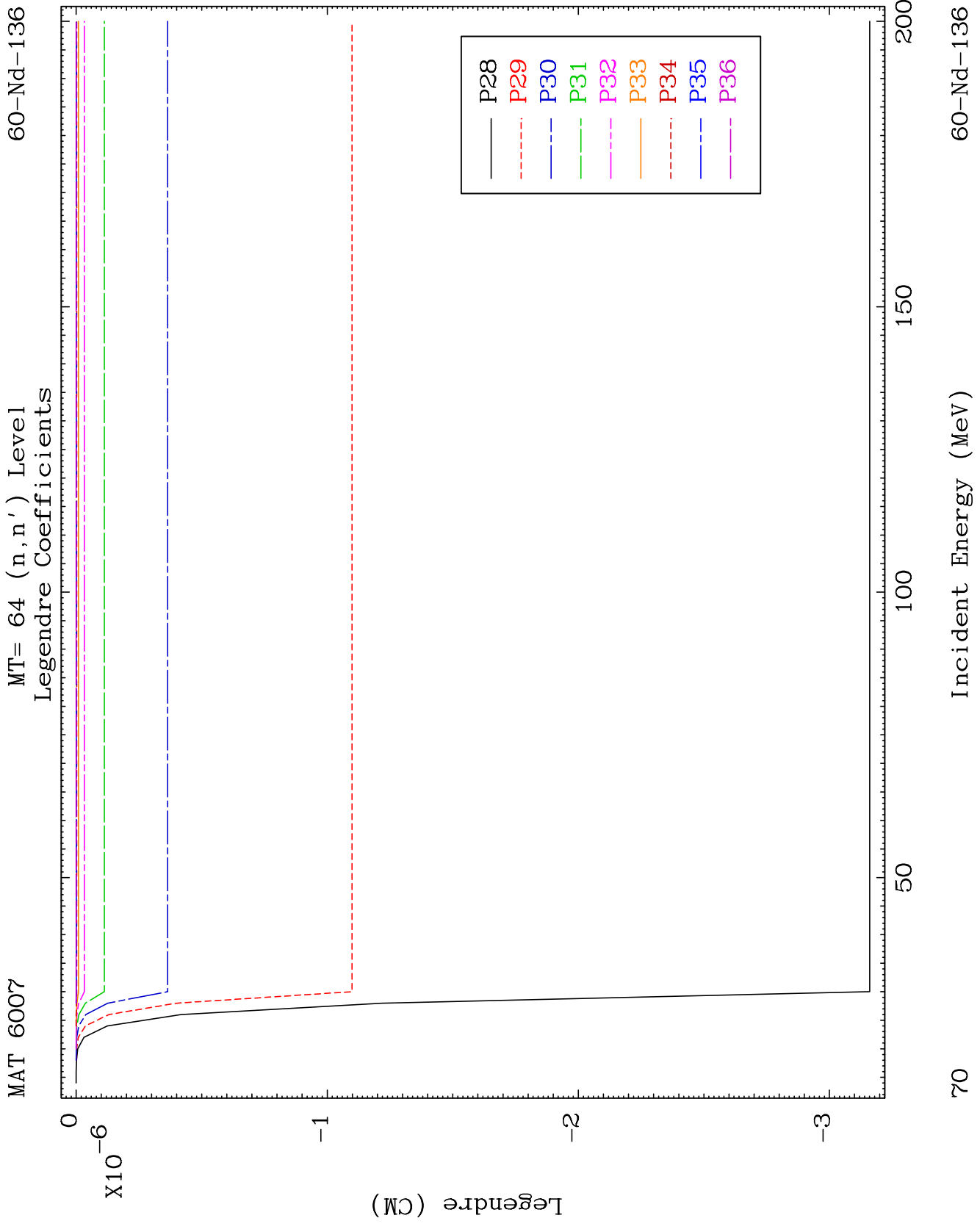
60-Nd-136



69

Incident Energy (MeV)

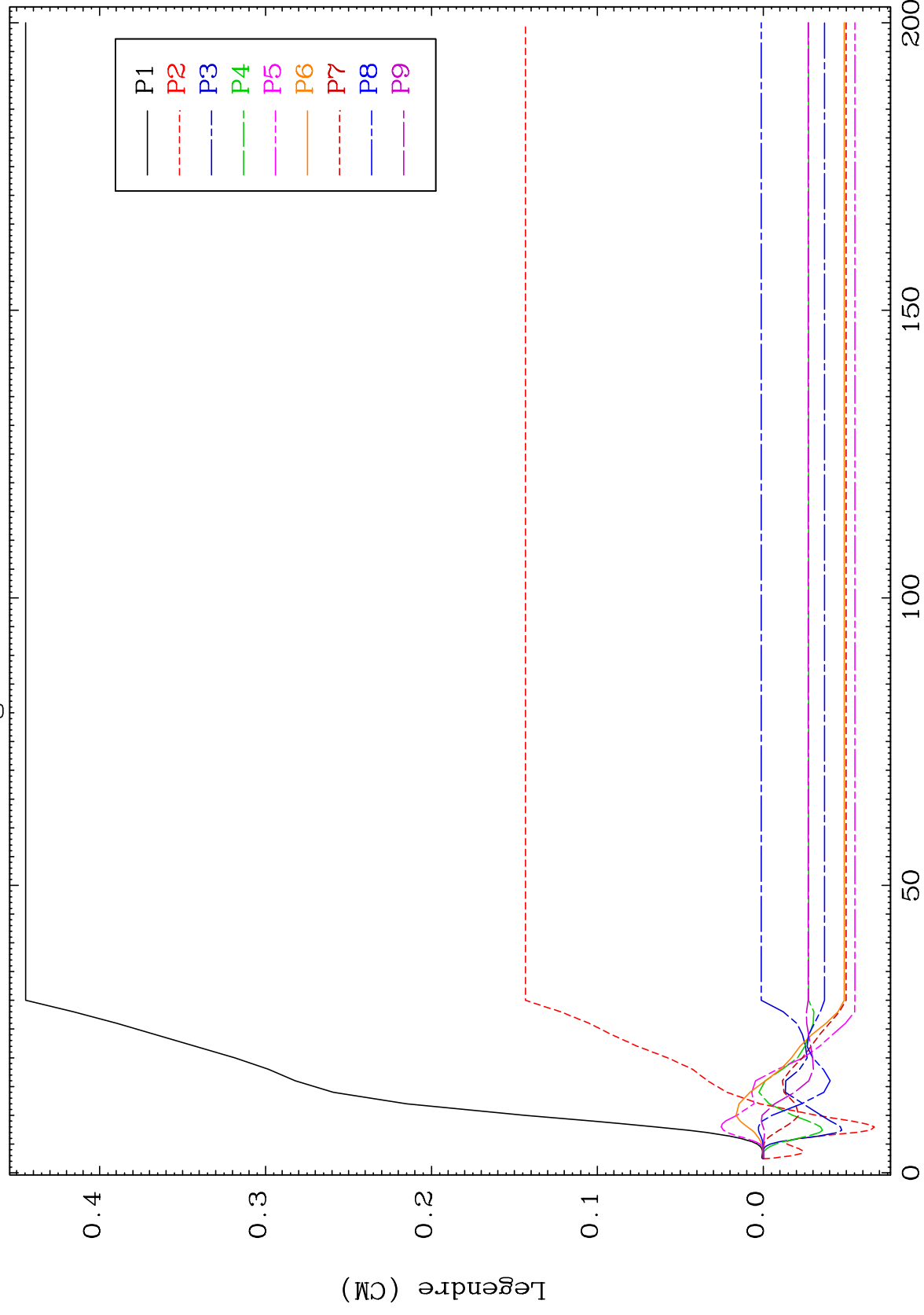
60-Nd-136



MAT 6007

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

60-Nd-136



71

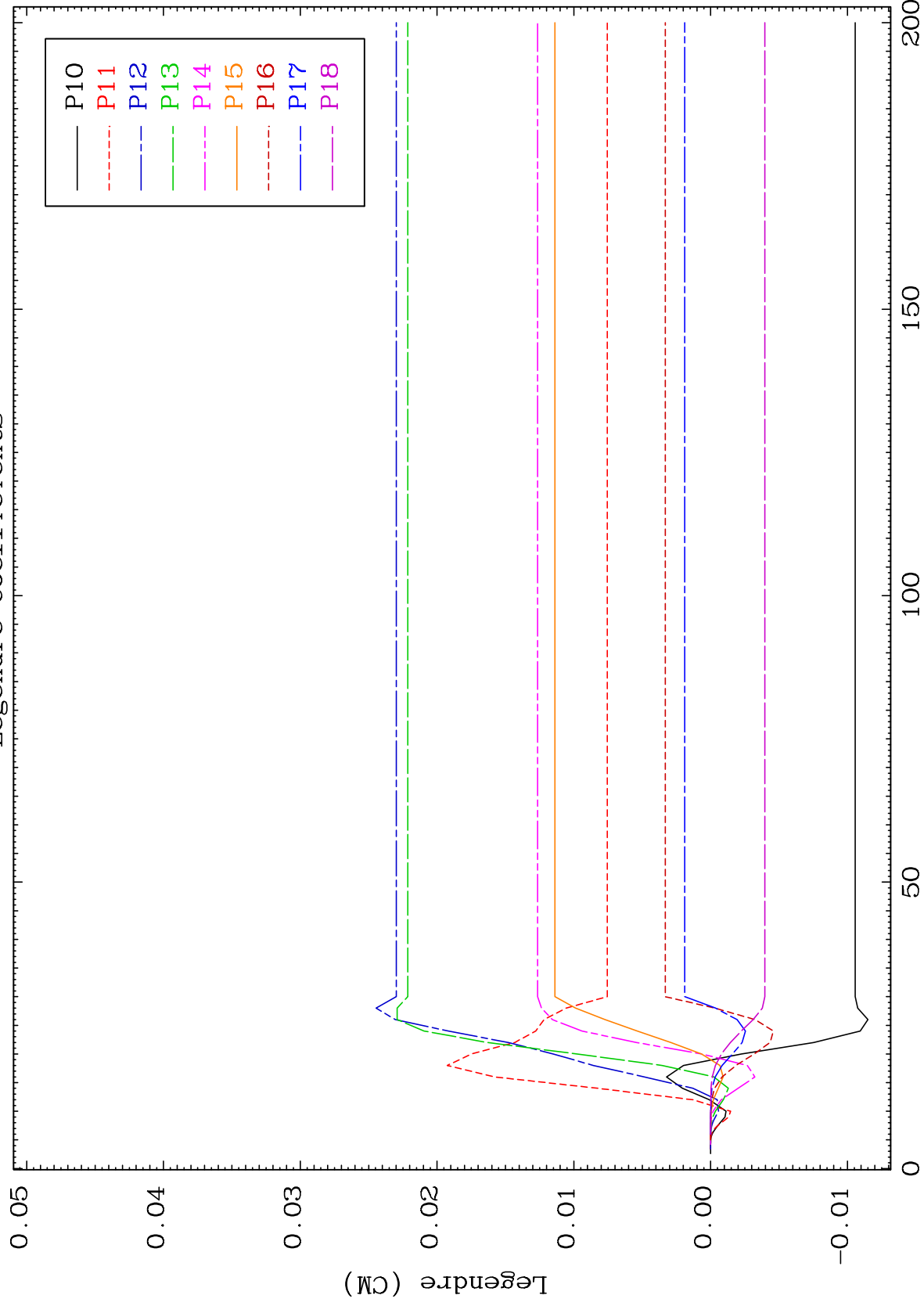
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



72

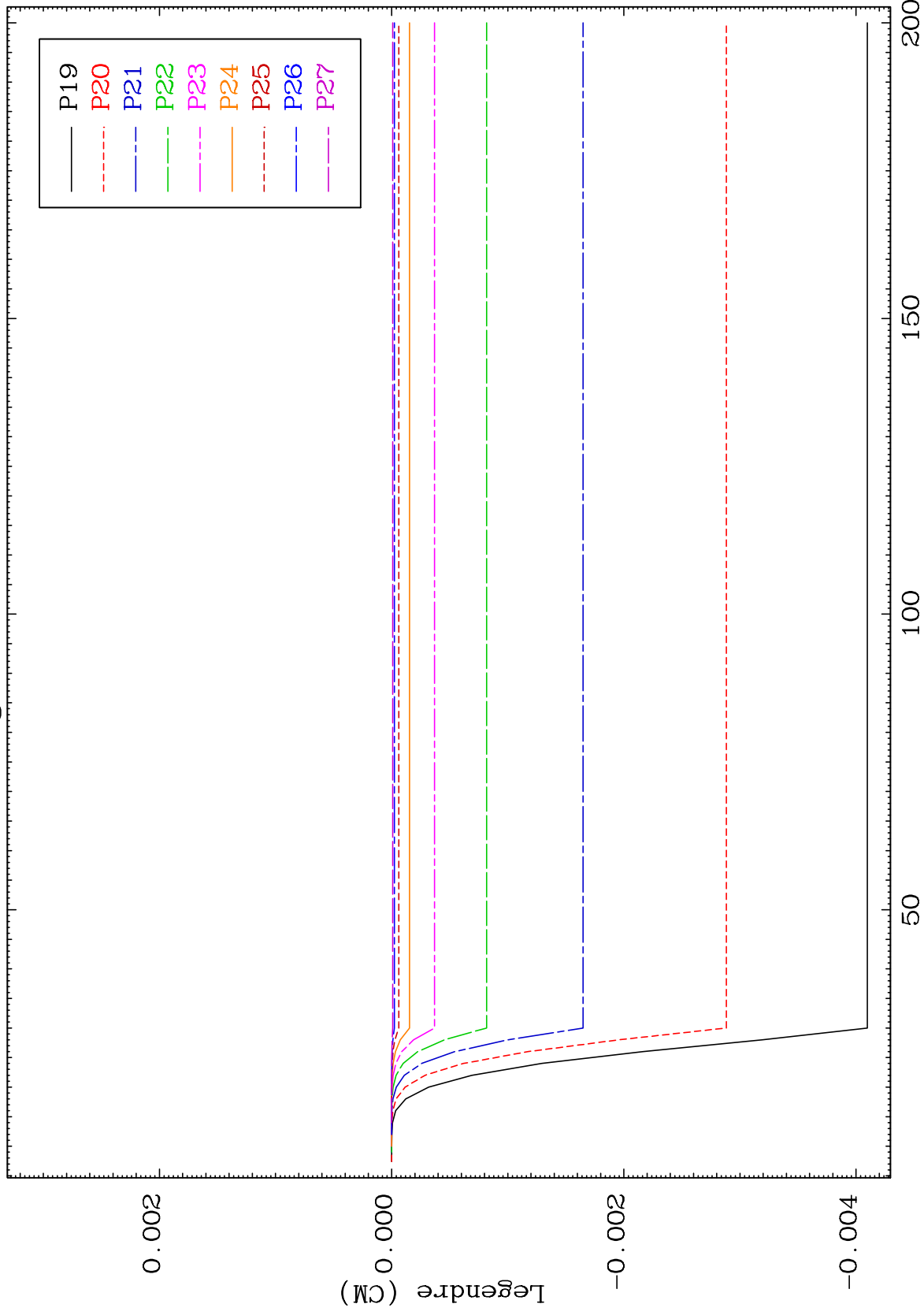
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

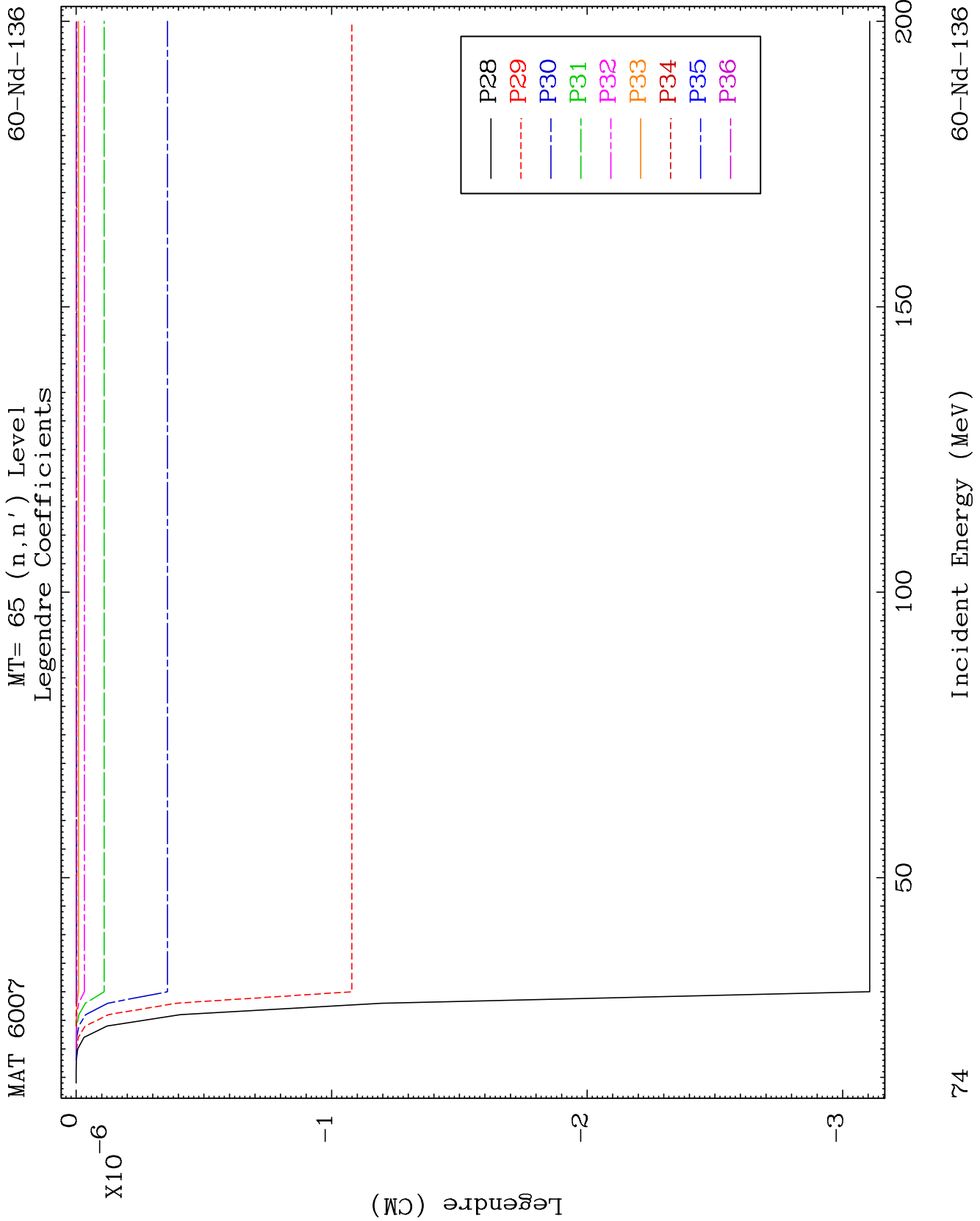
60-Nd-136



73

Incident Energy (MeV)

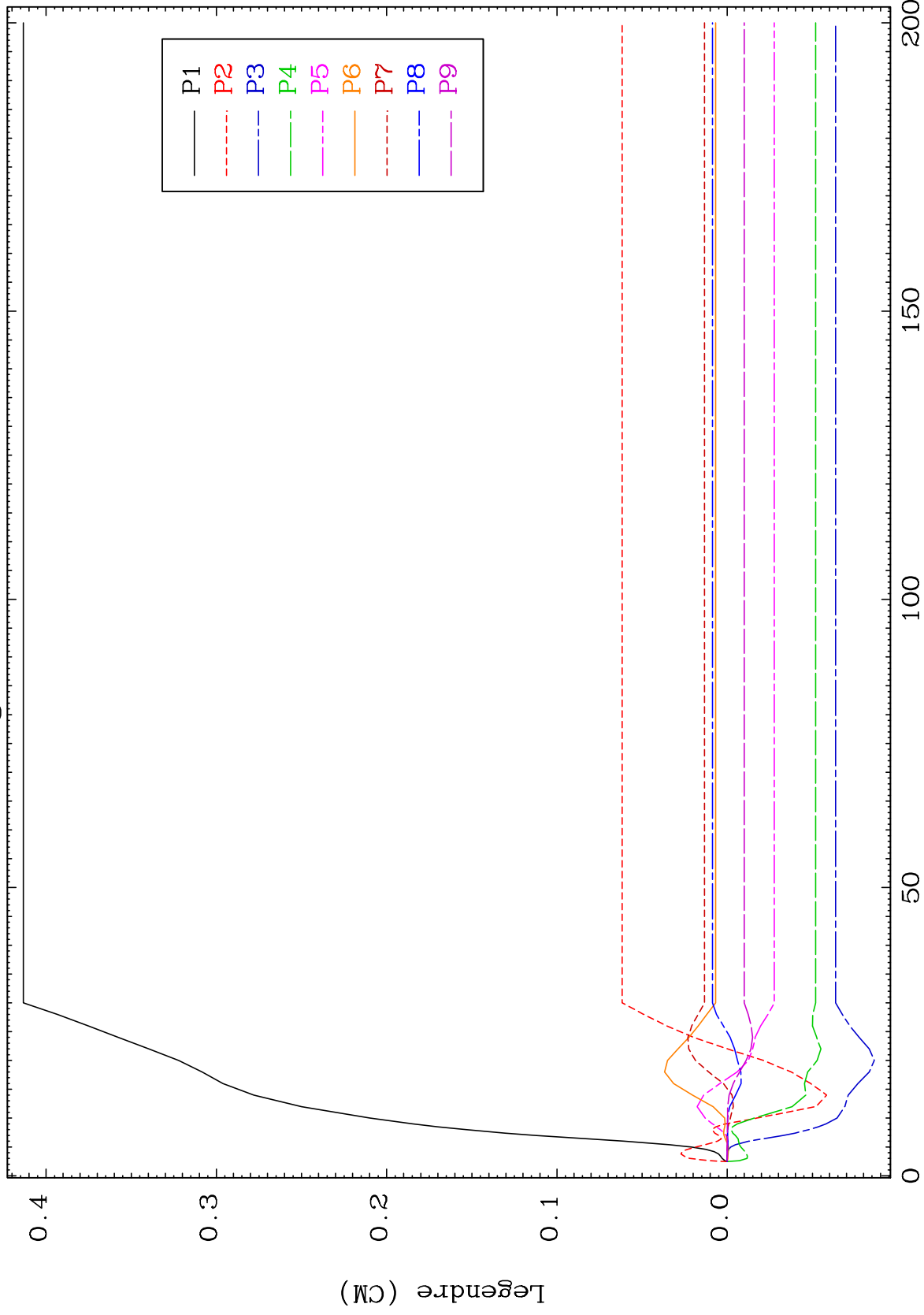
60-Nd-136



MAT 6007

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

60-Nd-136



75

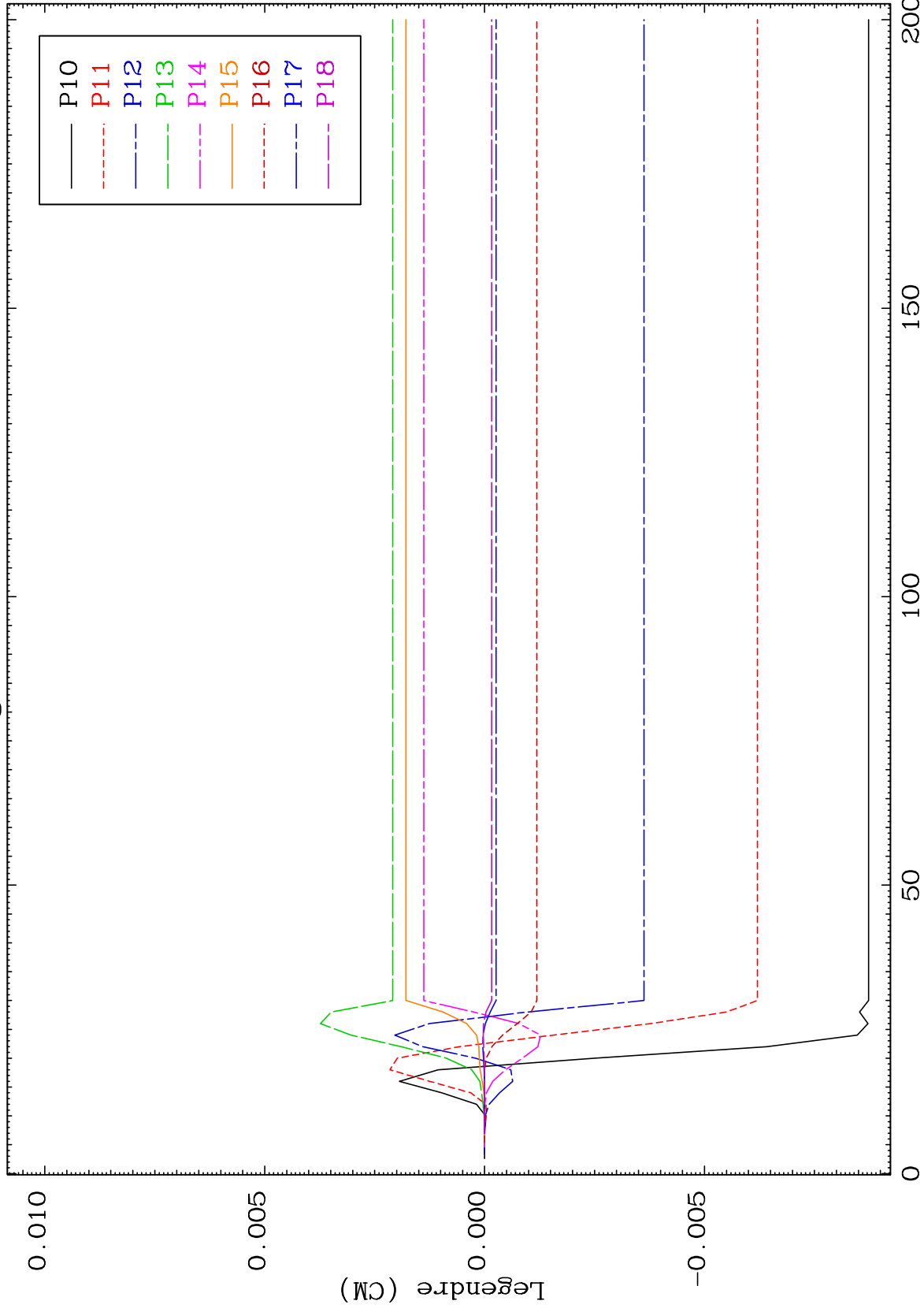
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



76

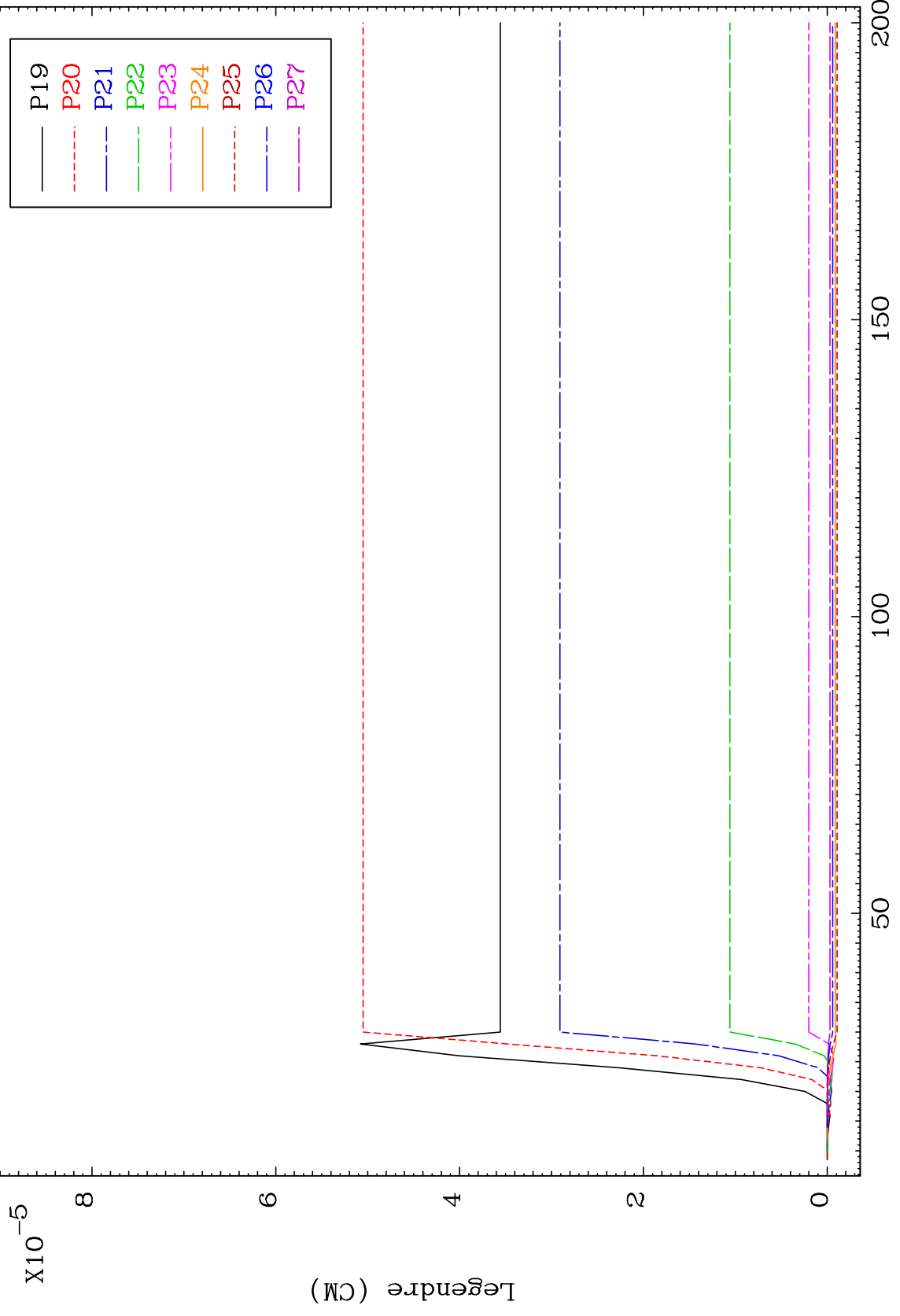
Incident Energy (MeV)

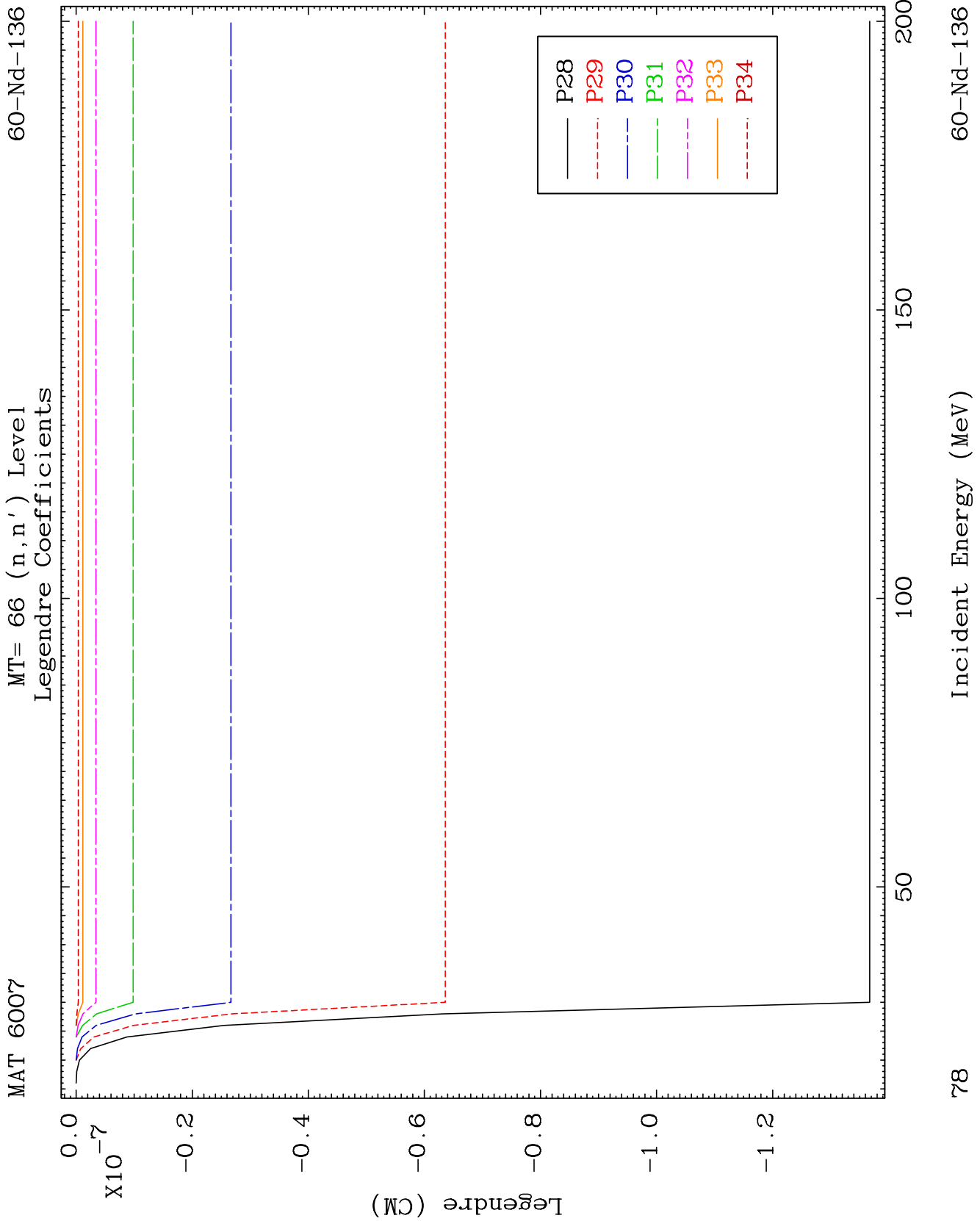
60-Nd-136

MAT 6007

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

60-Nd-136

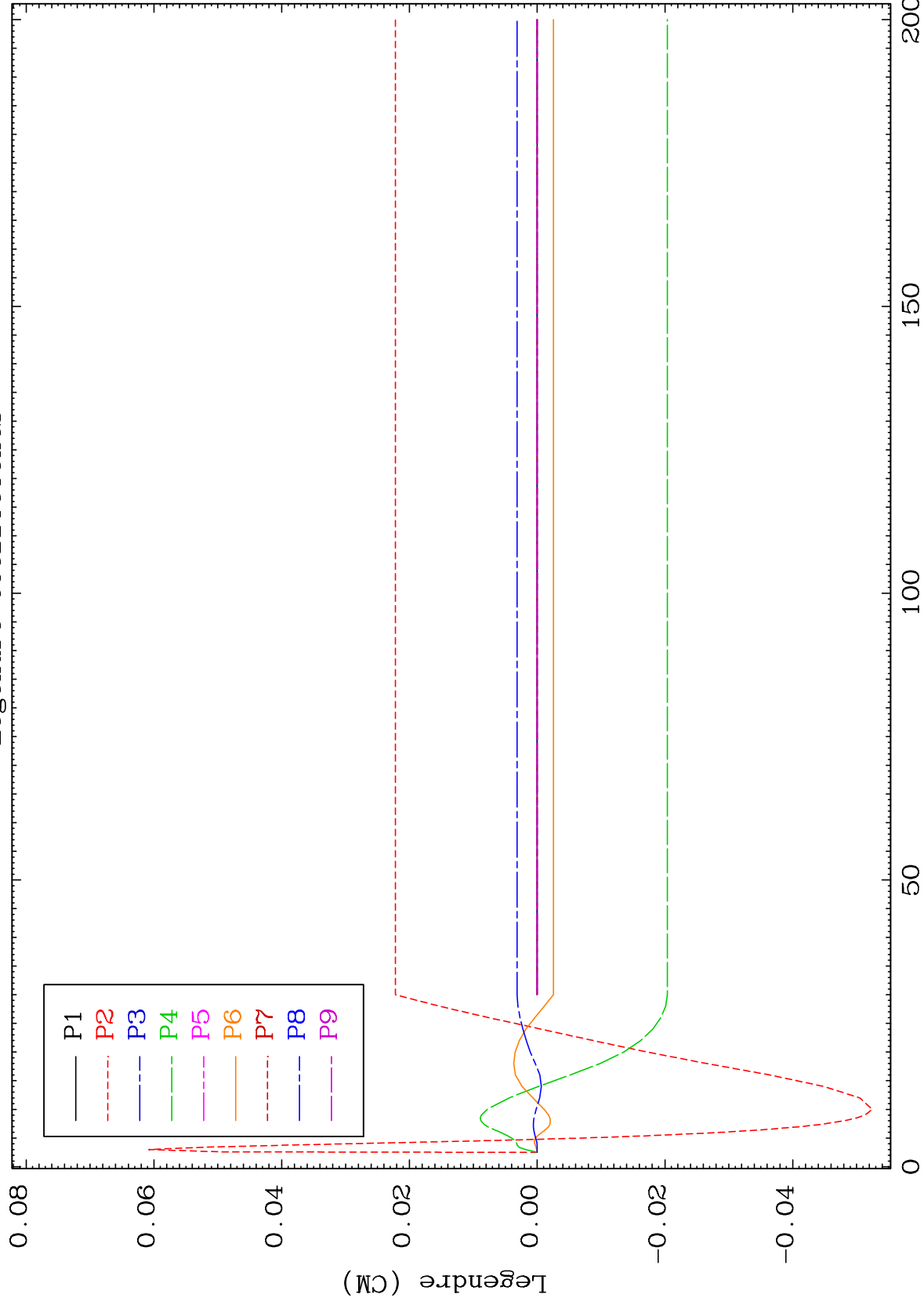




MAT 6007

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

60-Nd-136



79

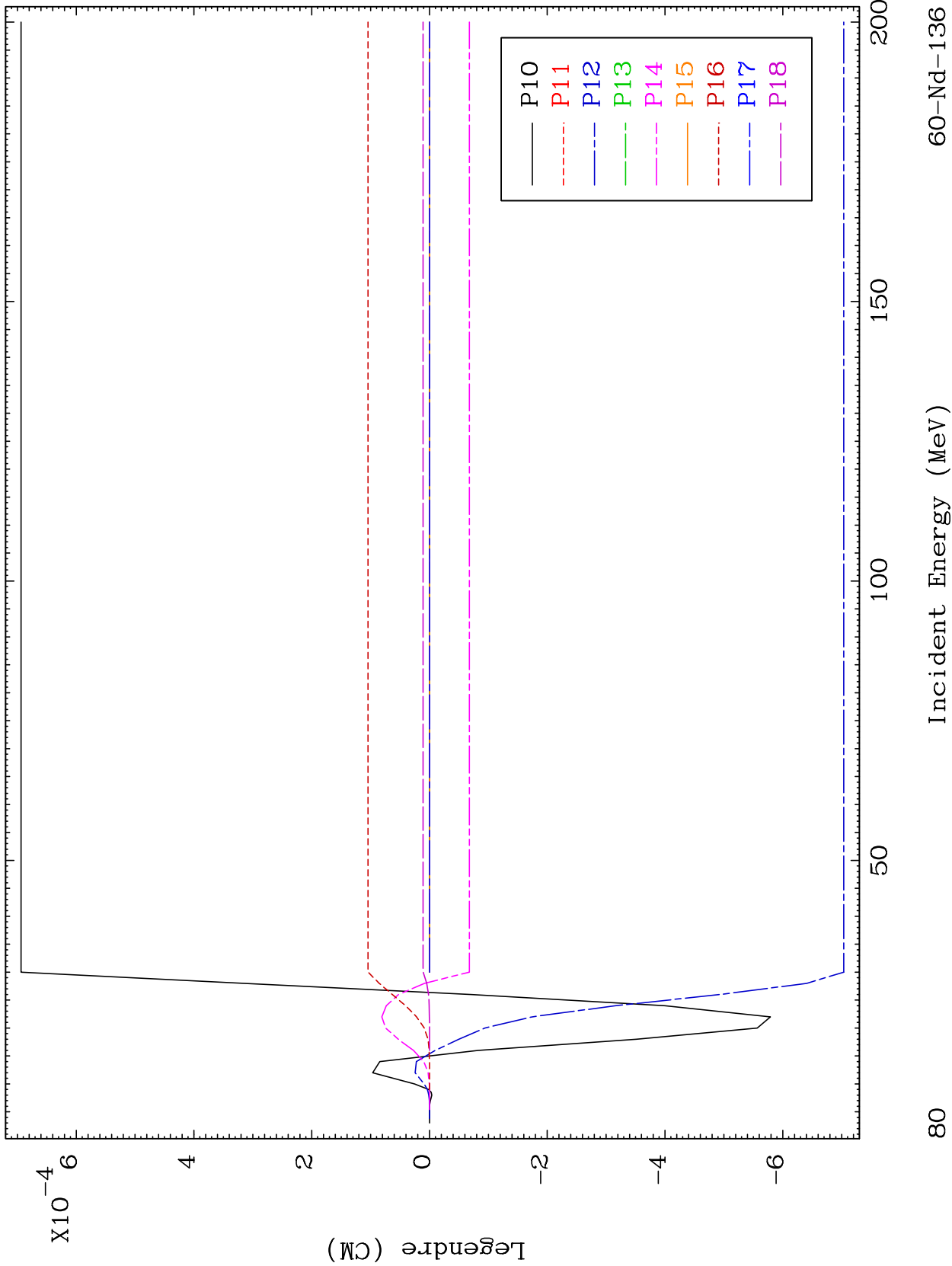
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

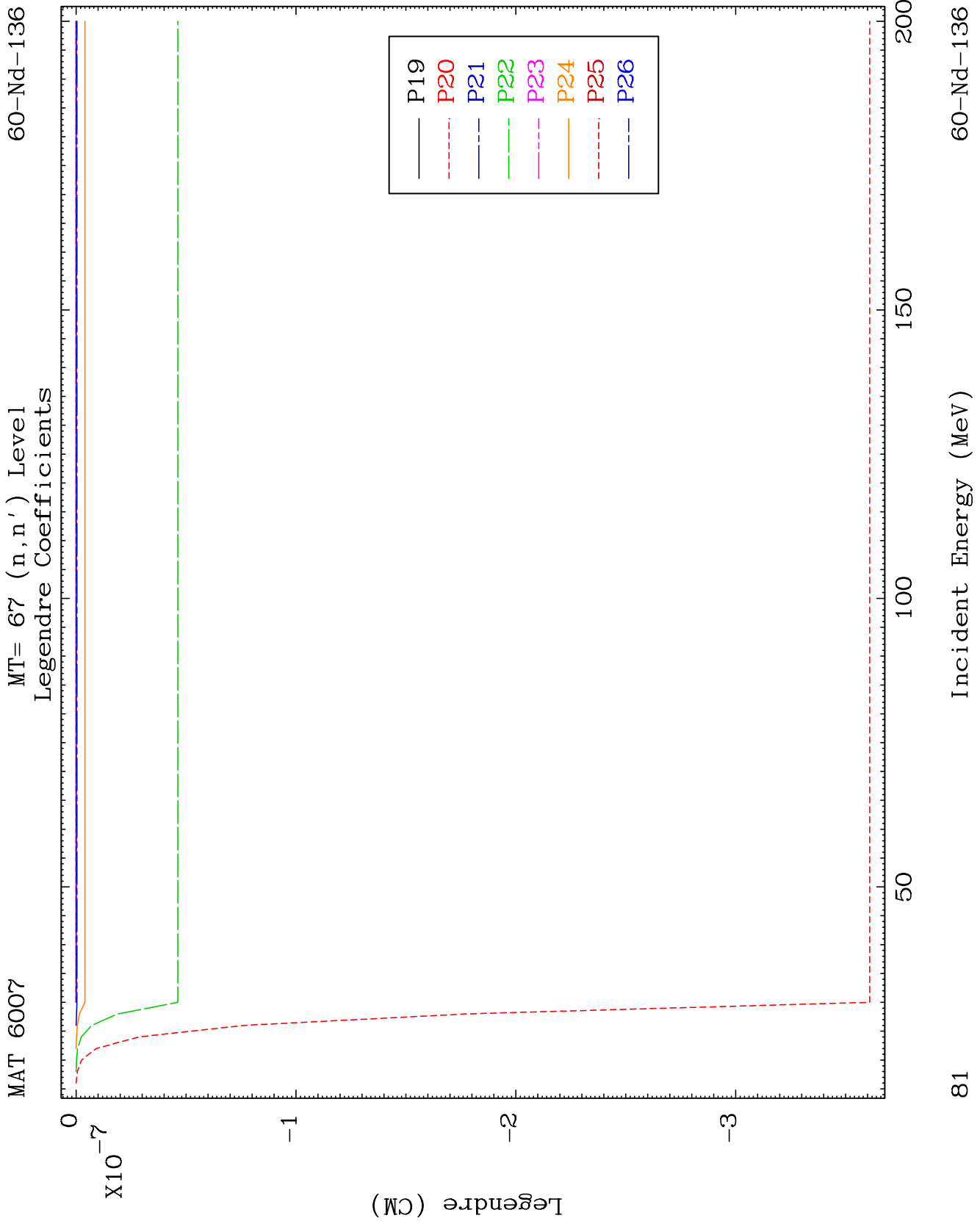
60-Nd-136



60-Nd-136

Incident Energy (MeV)

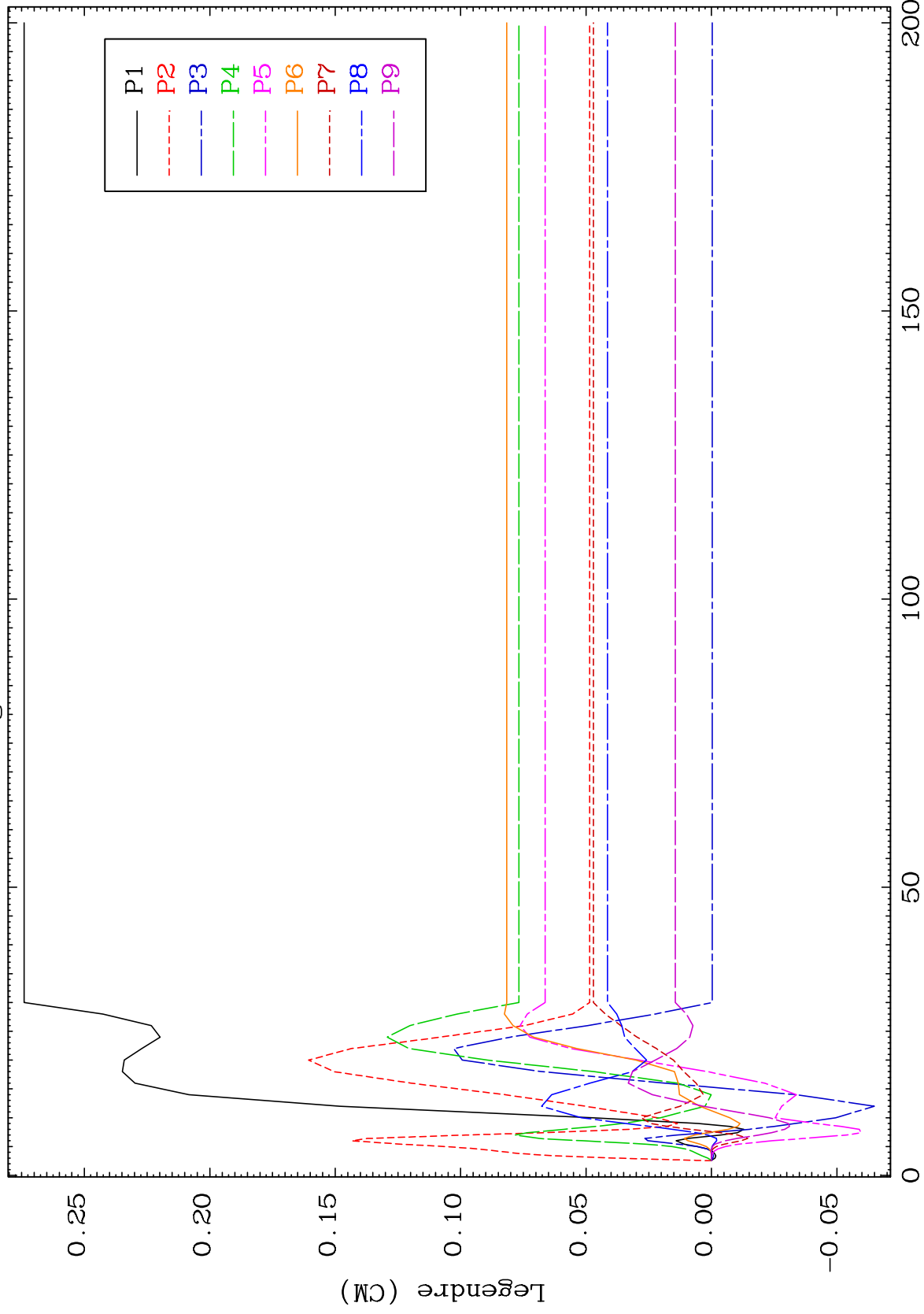
80



MAT 6007

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

60-Nd-136



82

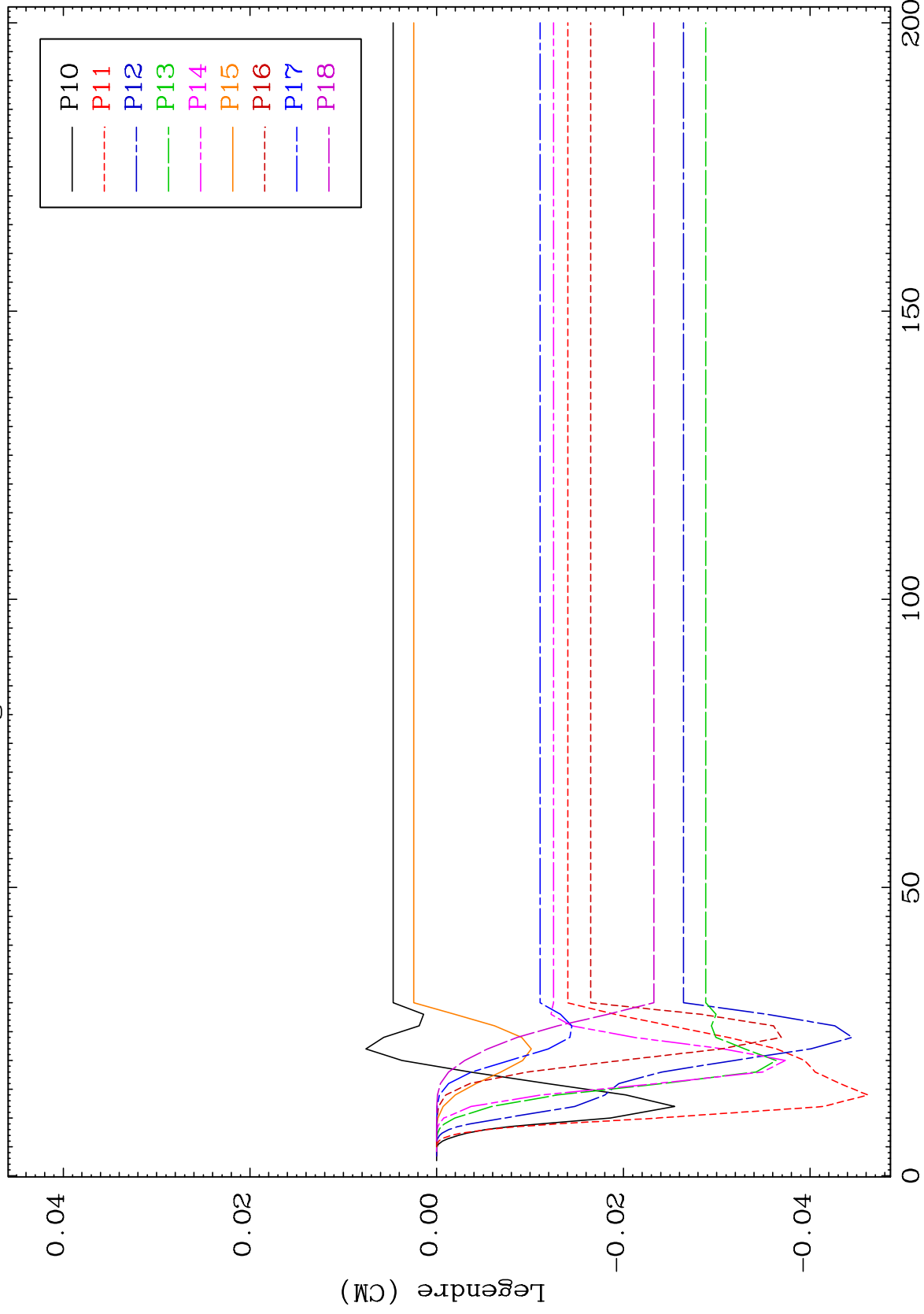
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

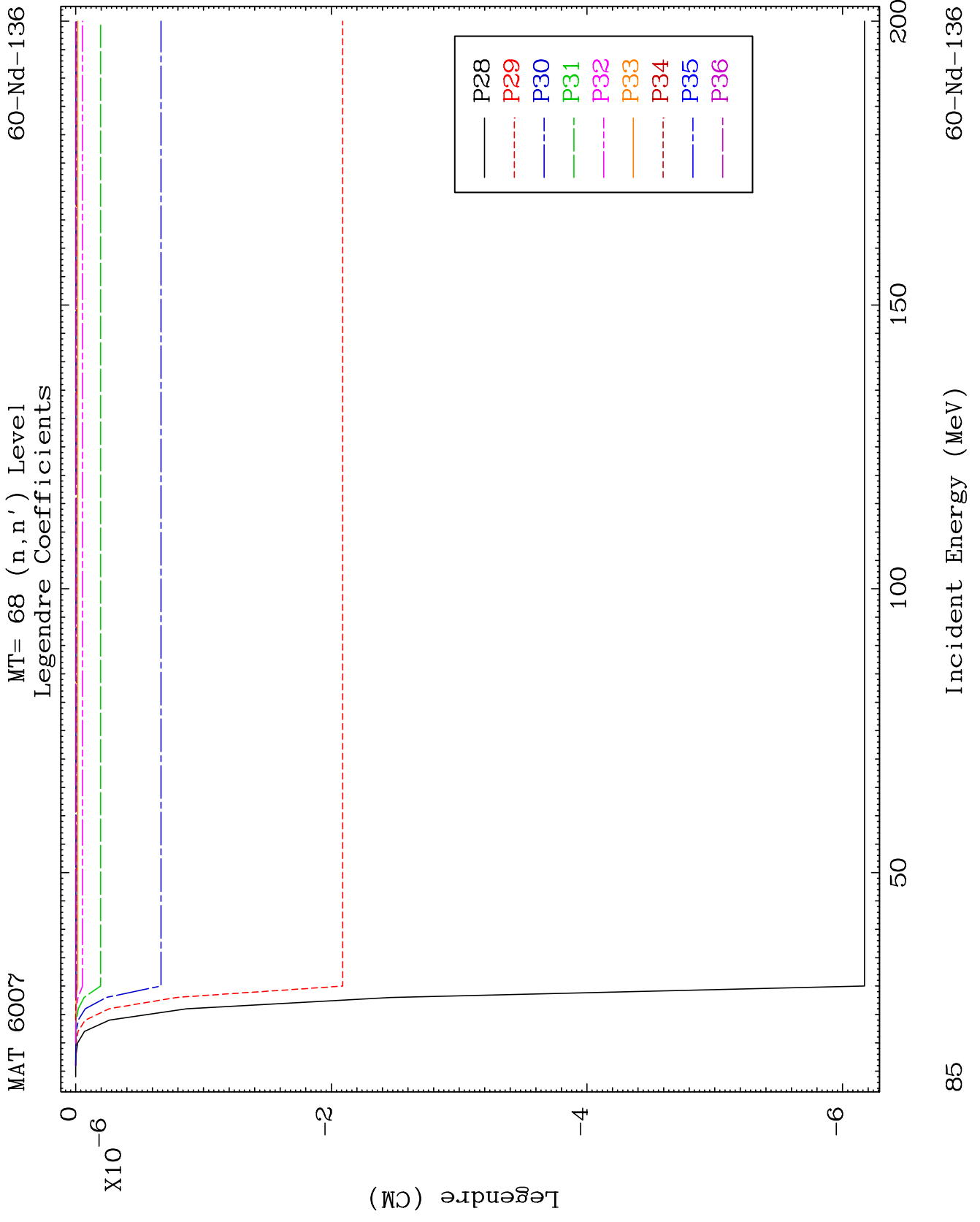
60-Nd-136



60-Nd-136

Incident Energy (MeV)

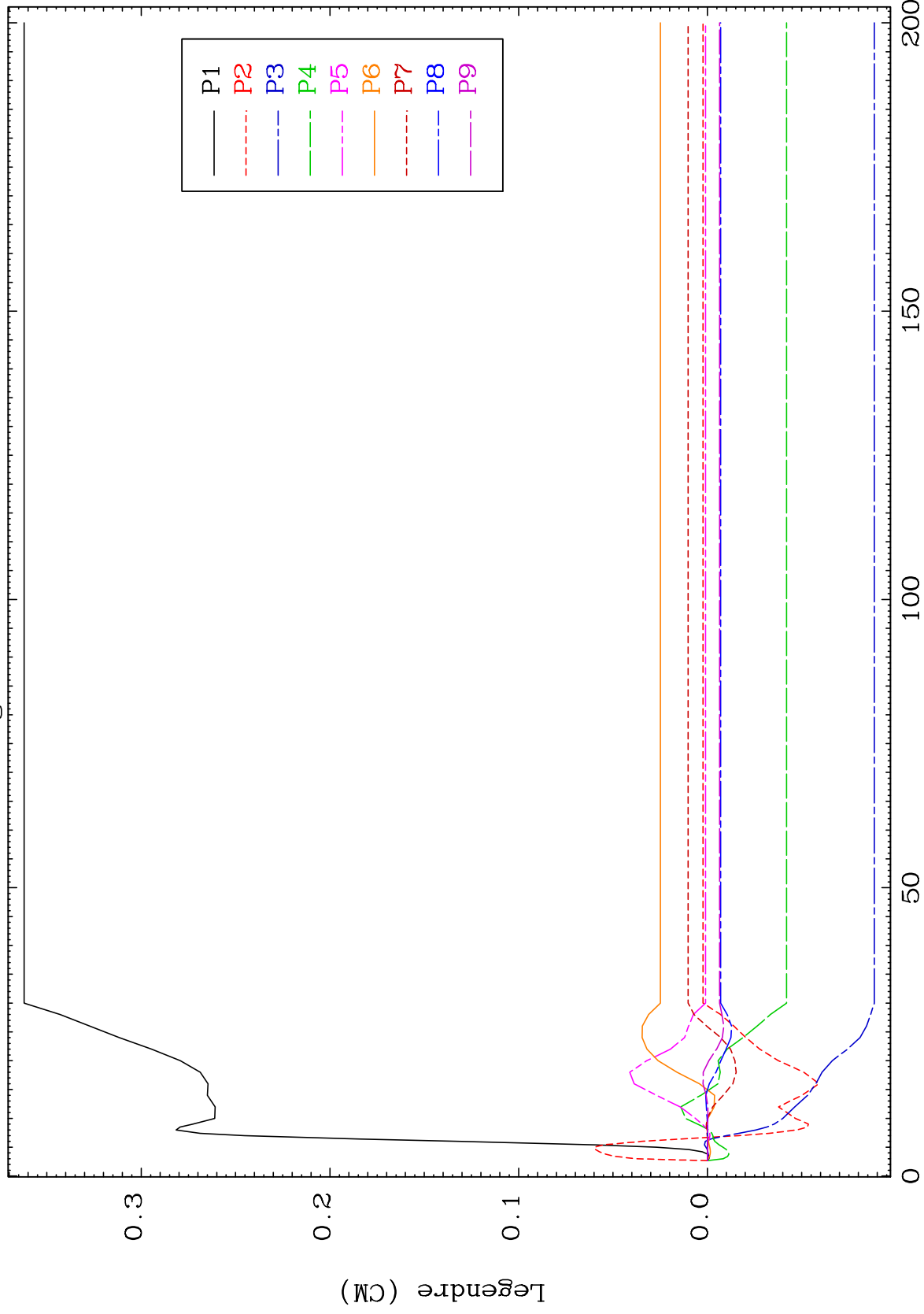
83



MAT 6007

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

60-Nd-136



86

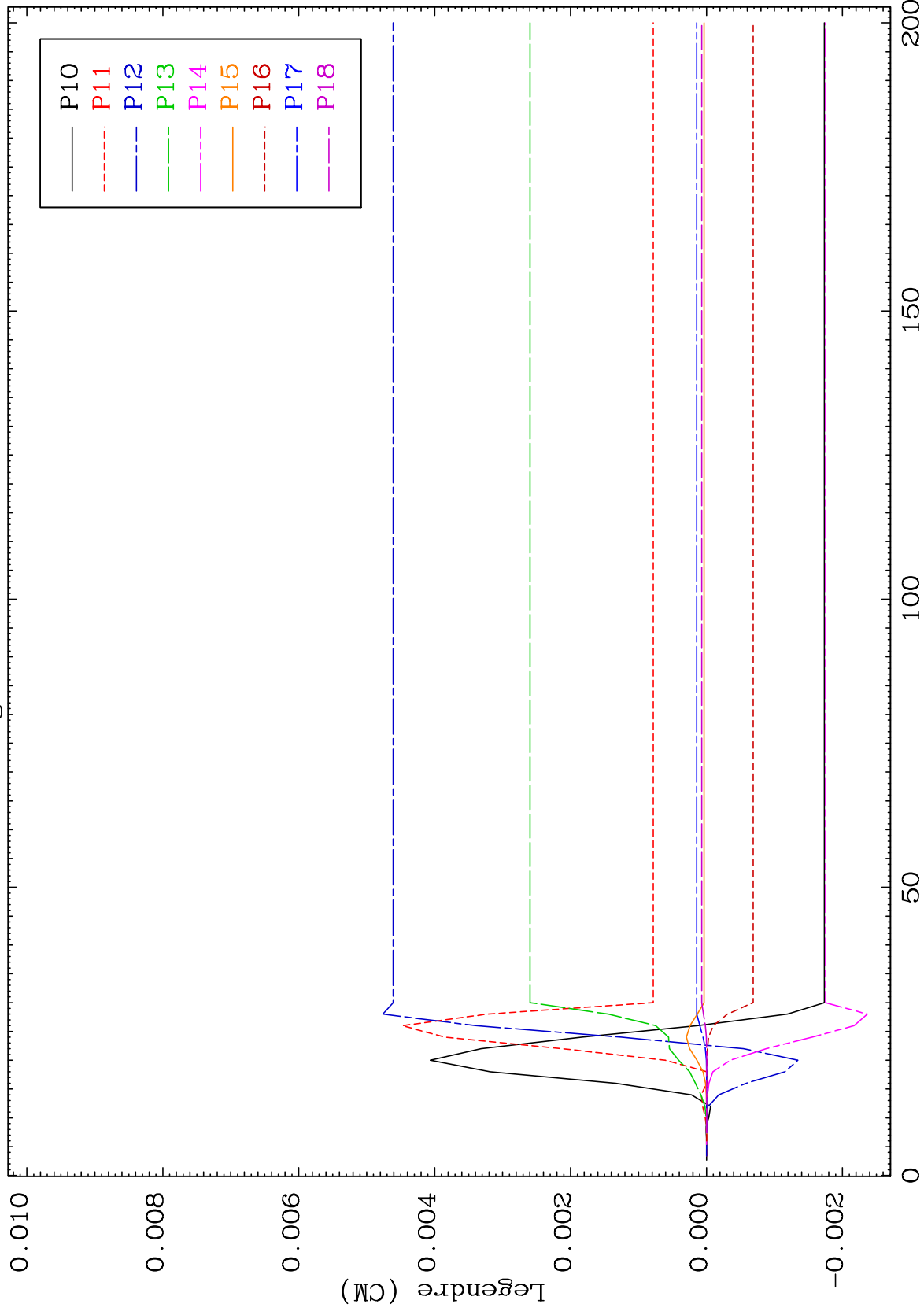
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



87

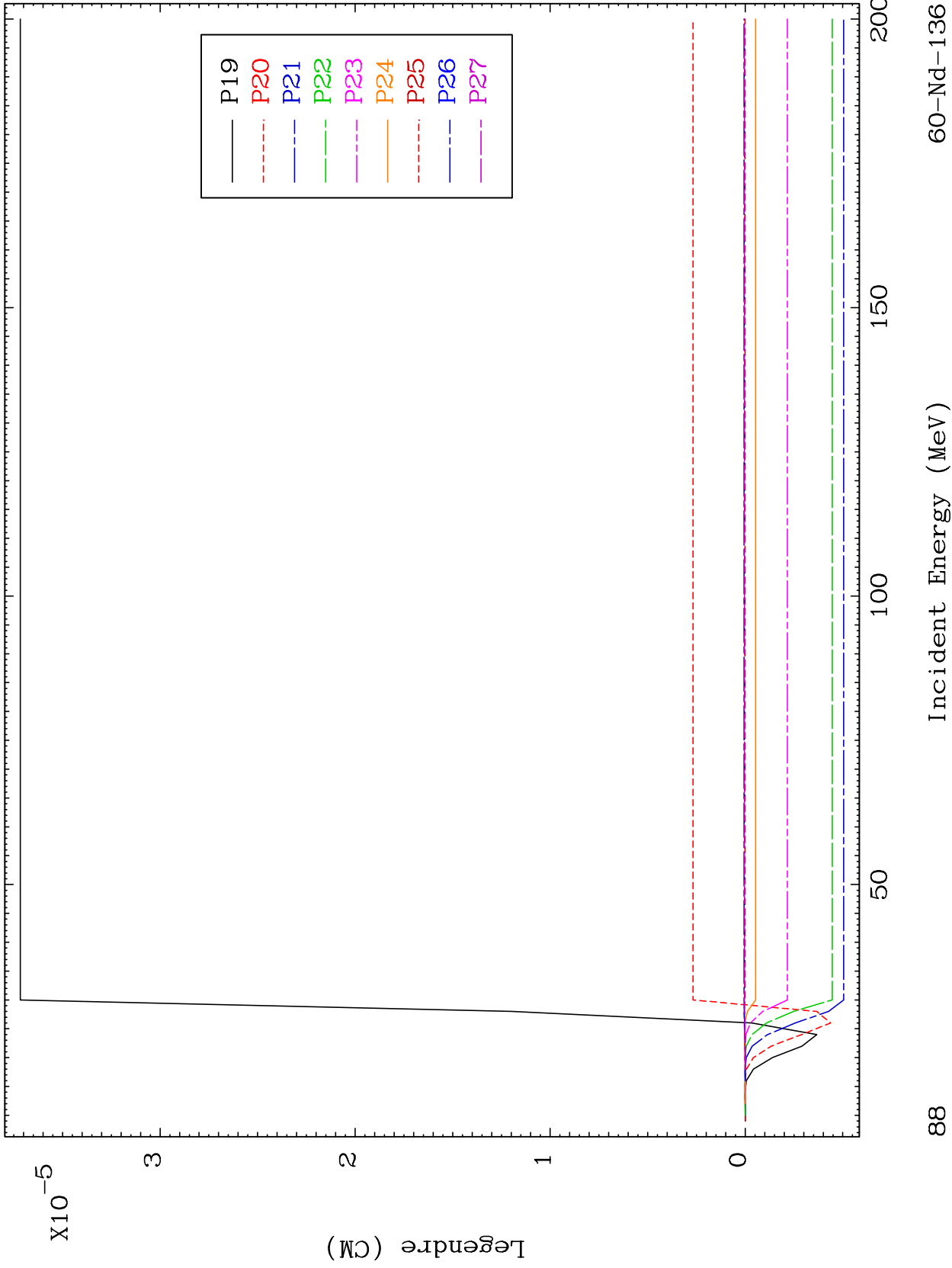
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

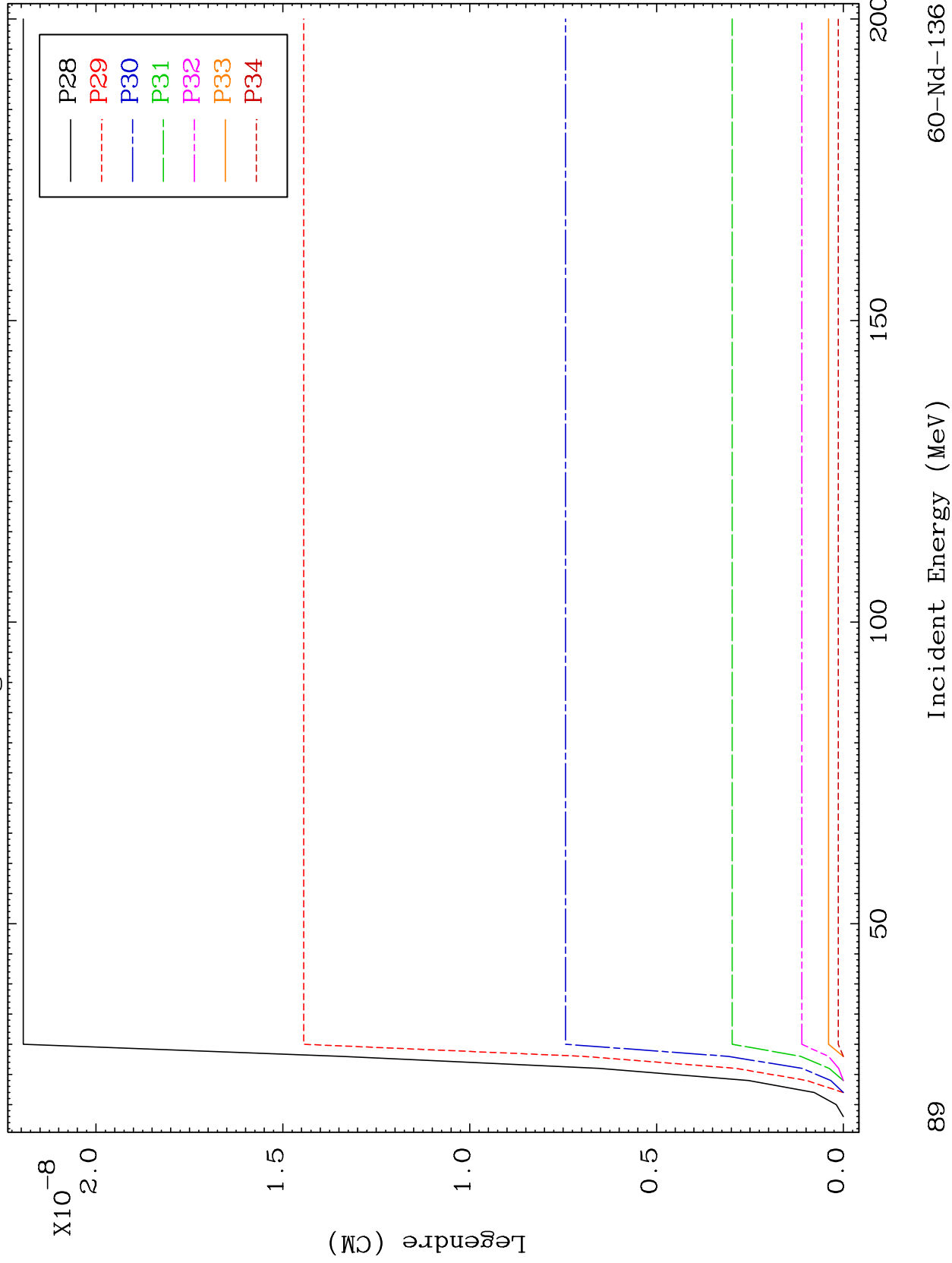
60-Nd-136



MAT 6007

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

60-Nd-136



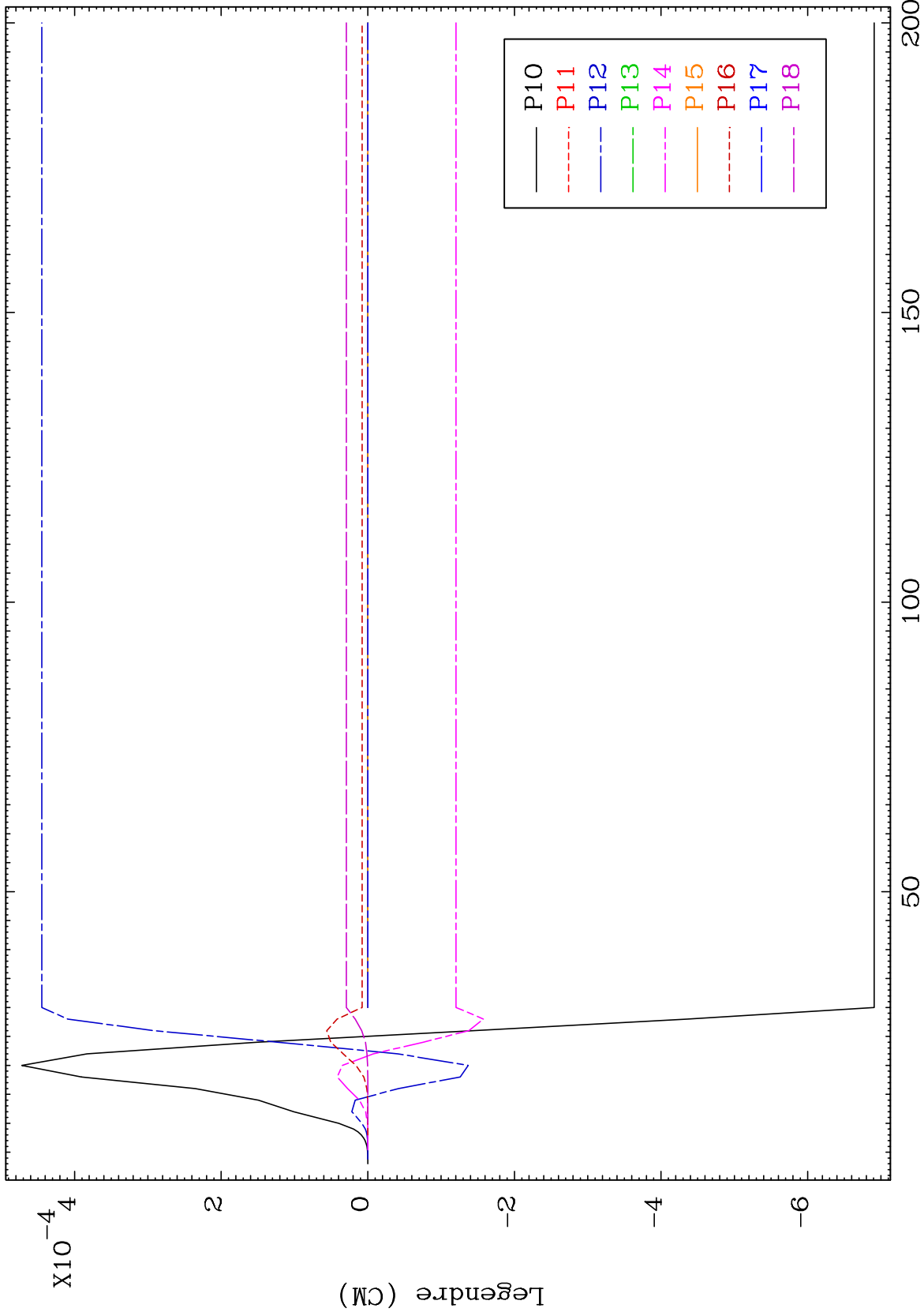
89

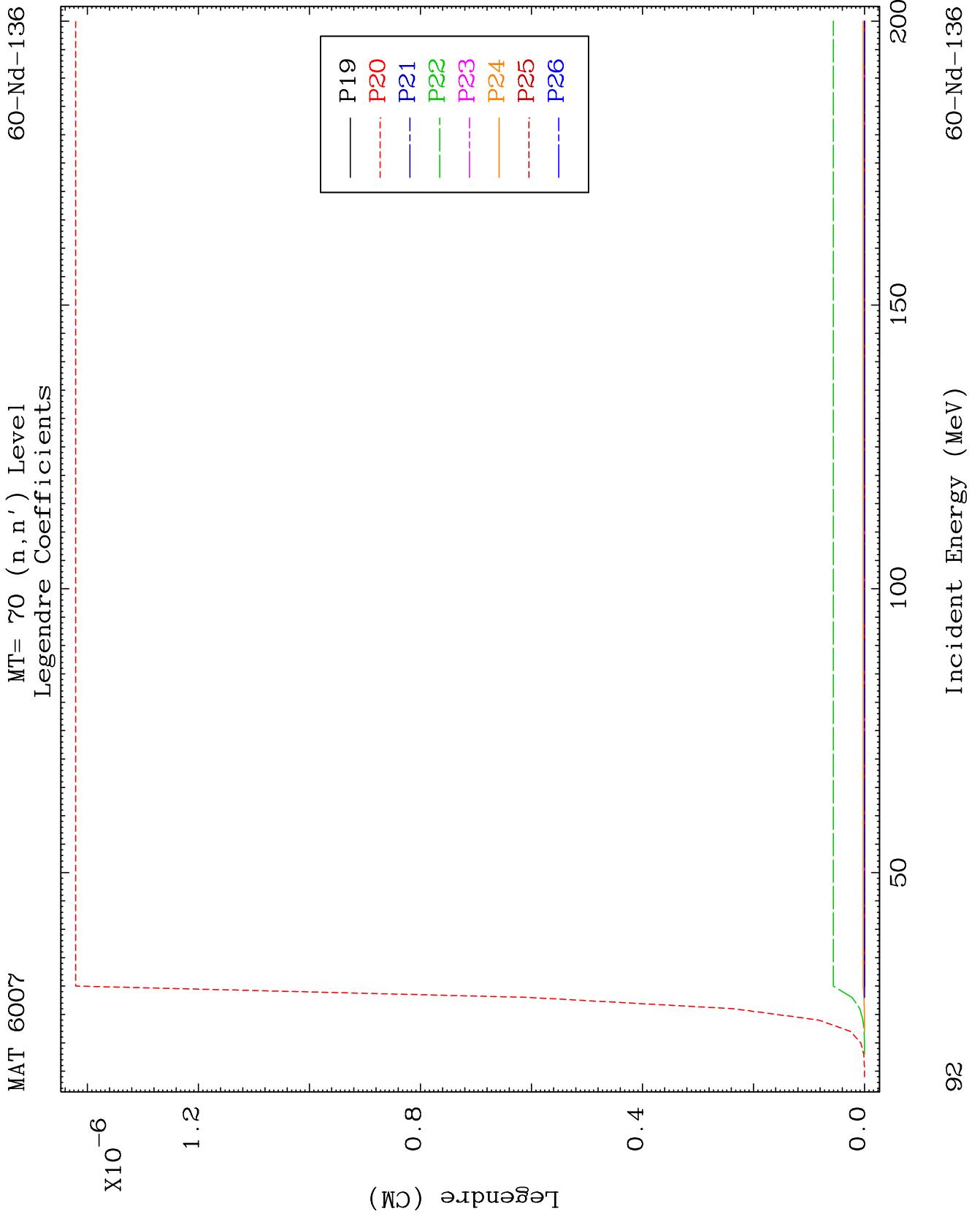
60-Nd-136

MAT 6007

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

60-Nd-136

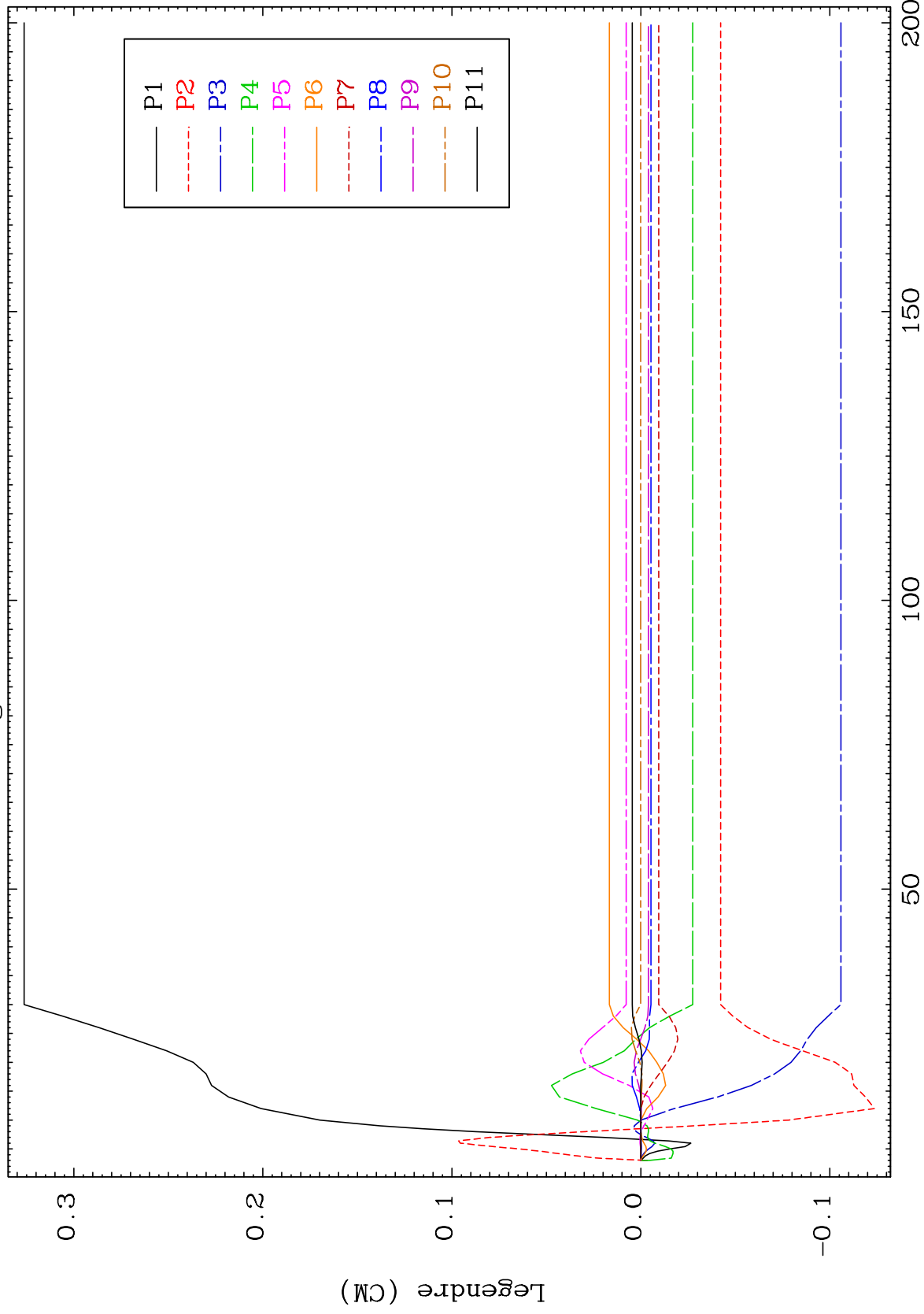




MAT 6007

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

60-Nd-136



93

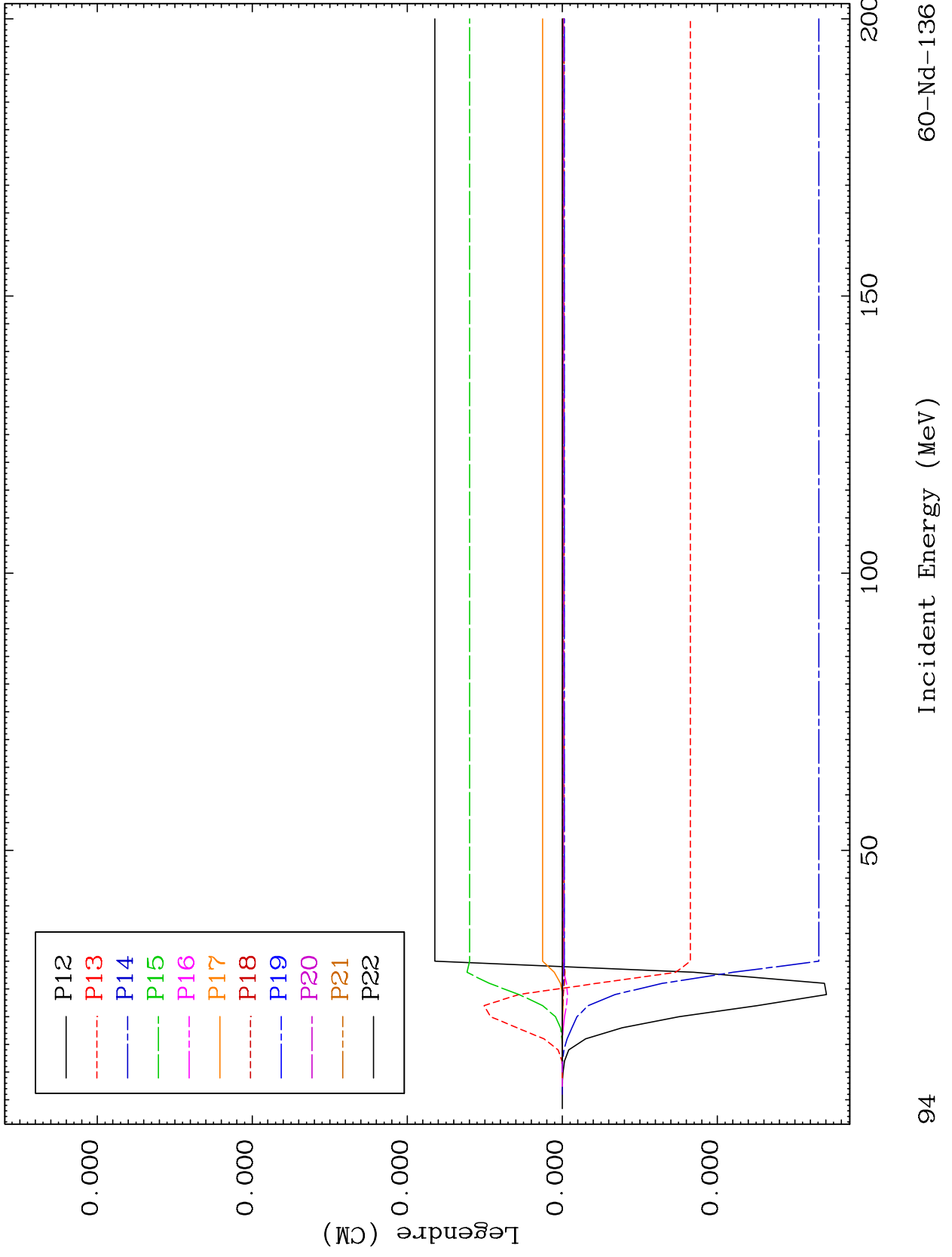
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

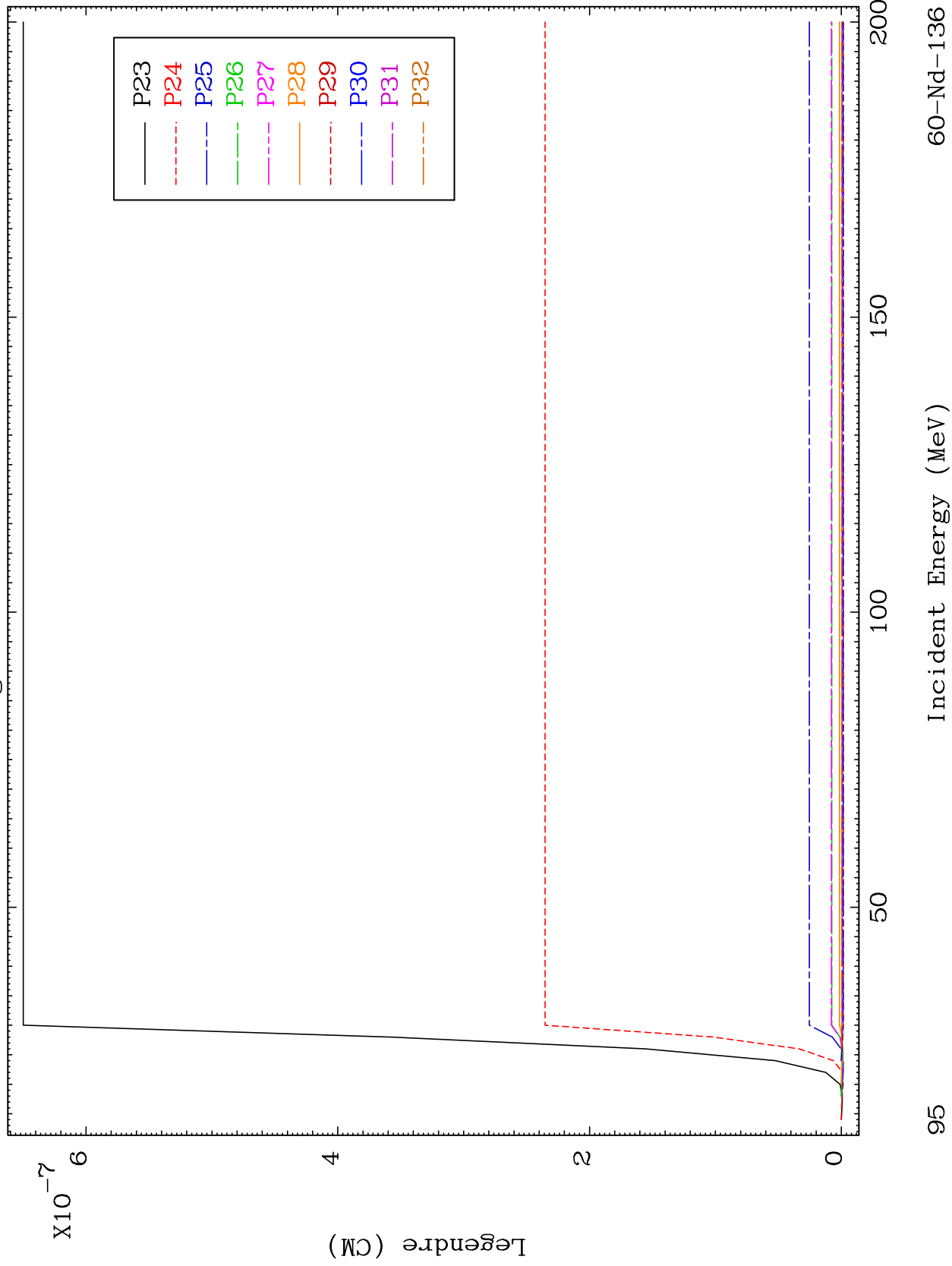
60-Nd-136



MAT 6007

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

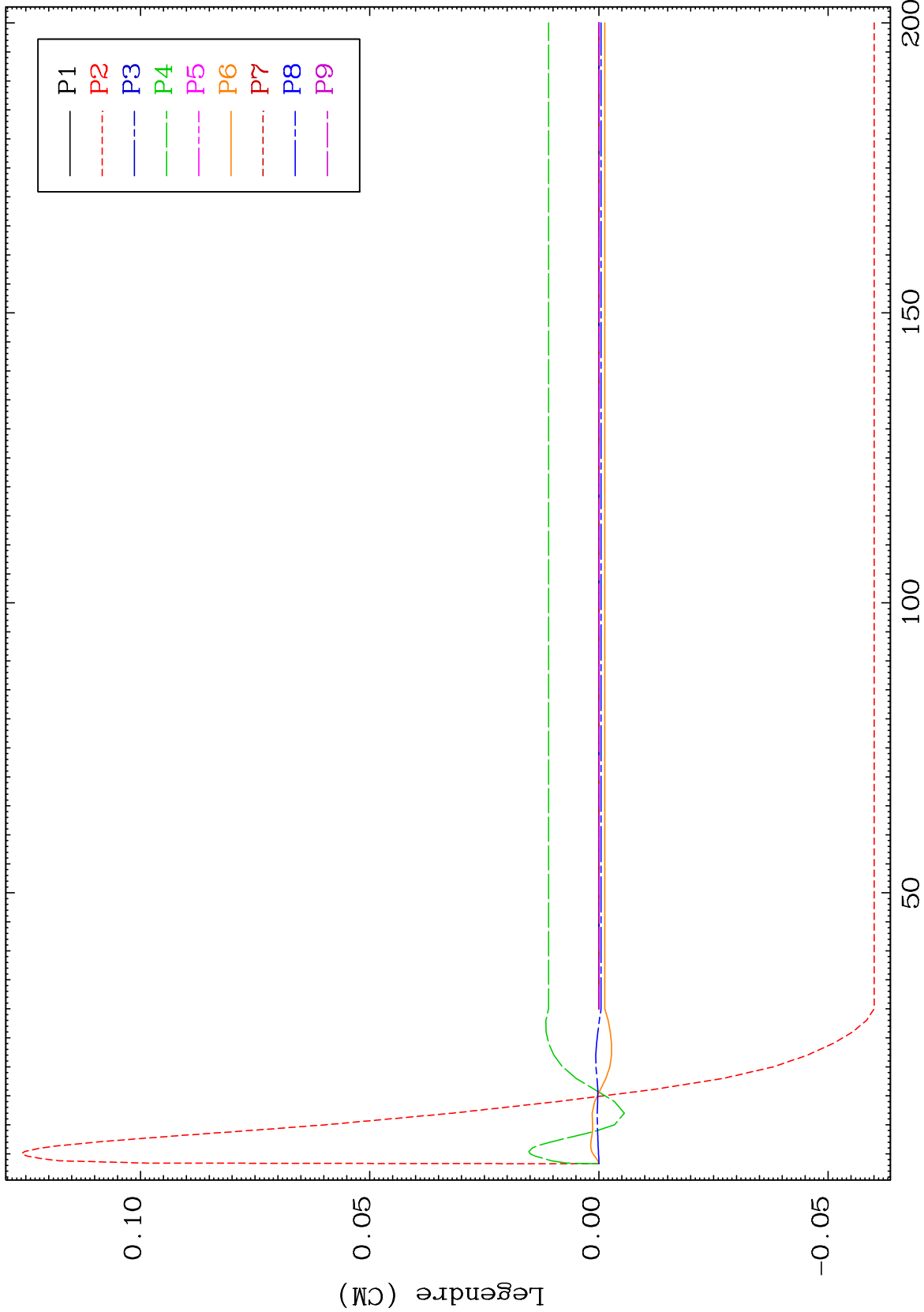
60-Nd-136



MAT 6007

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

60-Nd-136



96

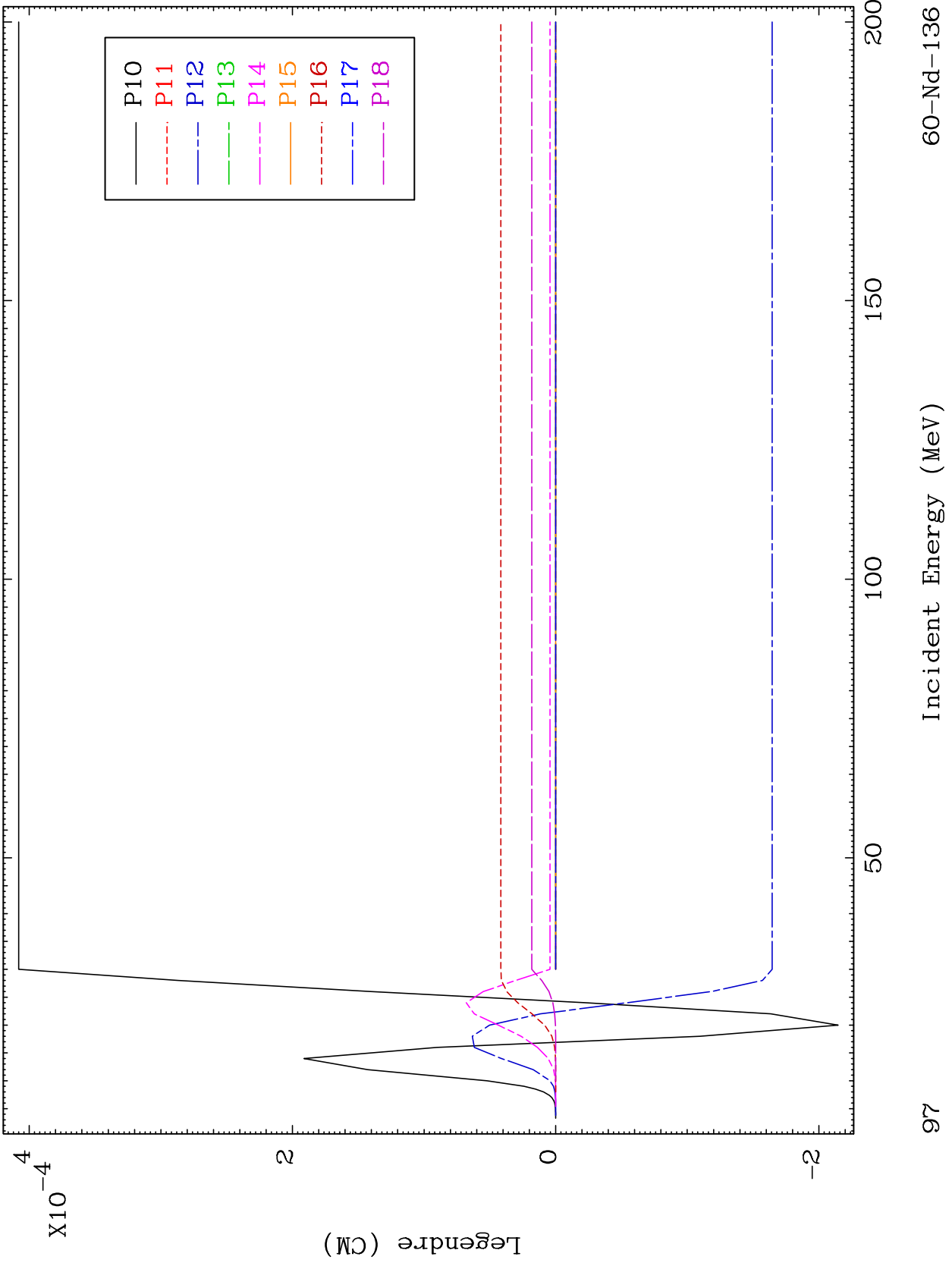
Incident Energy (MeV)

60-Nd-136

MAT 6007

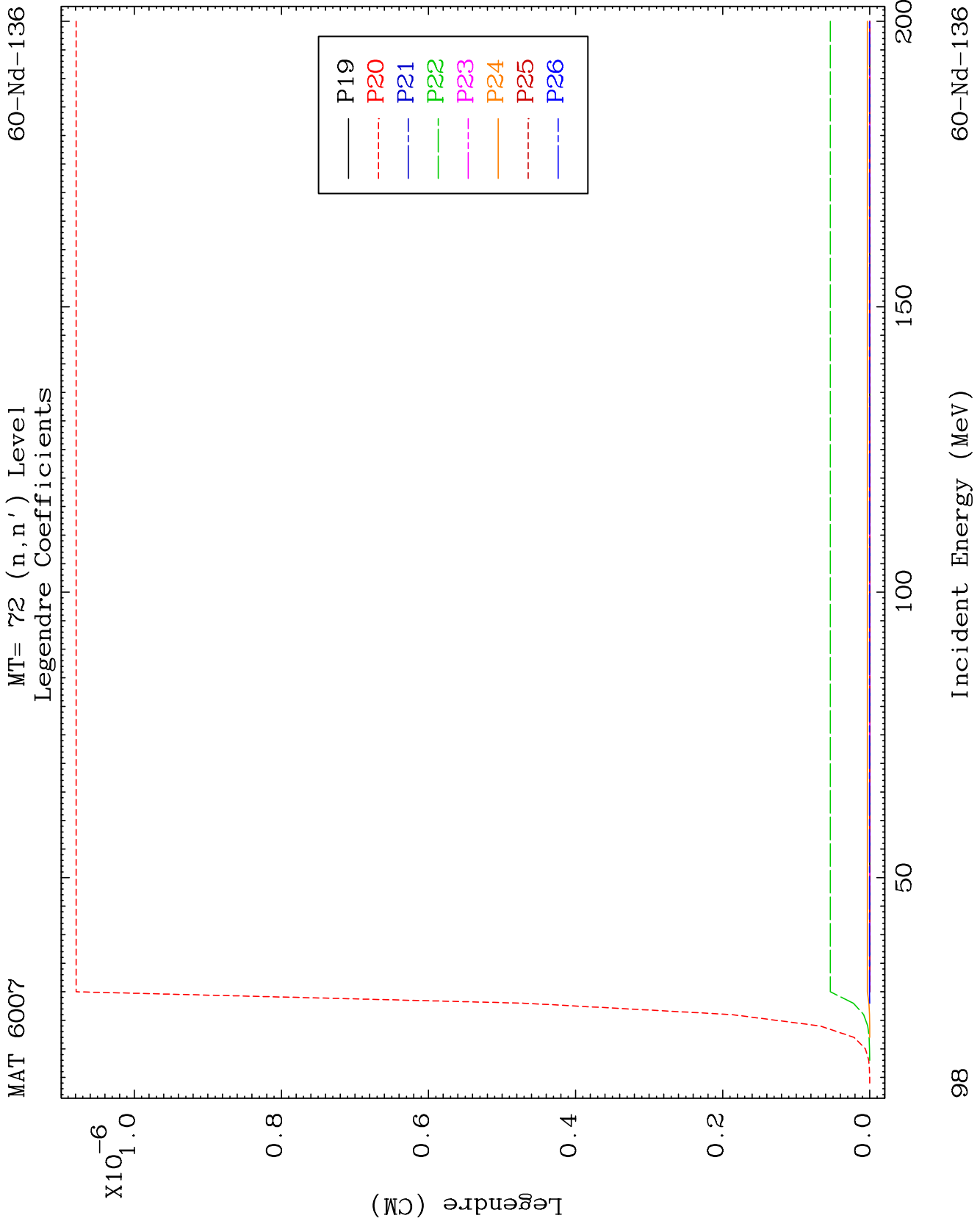
MT= 72 (n,n') Level
Legendre Coefficients

60-Nd-136



97

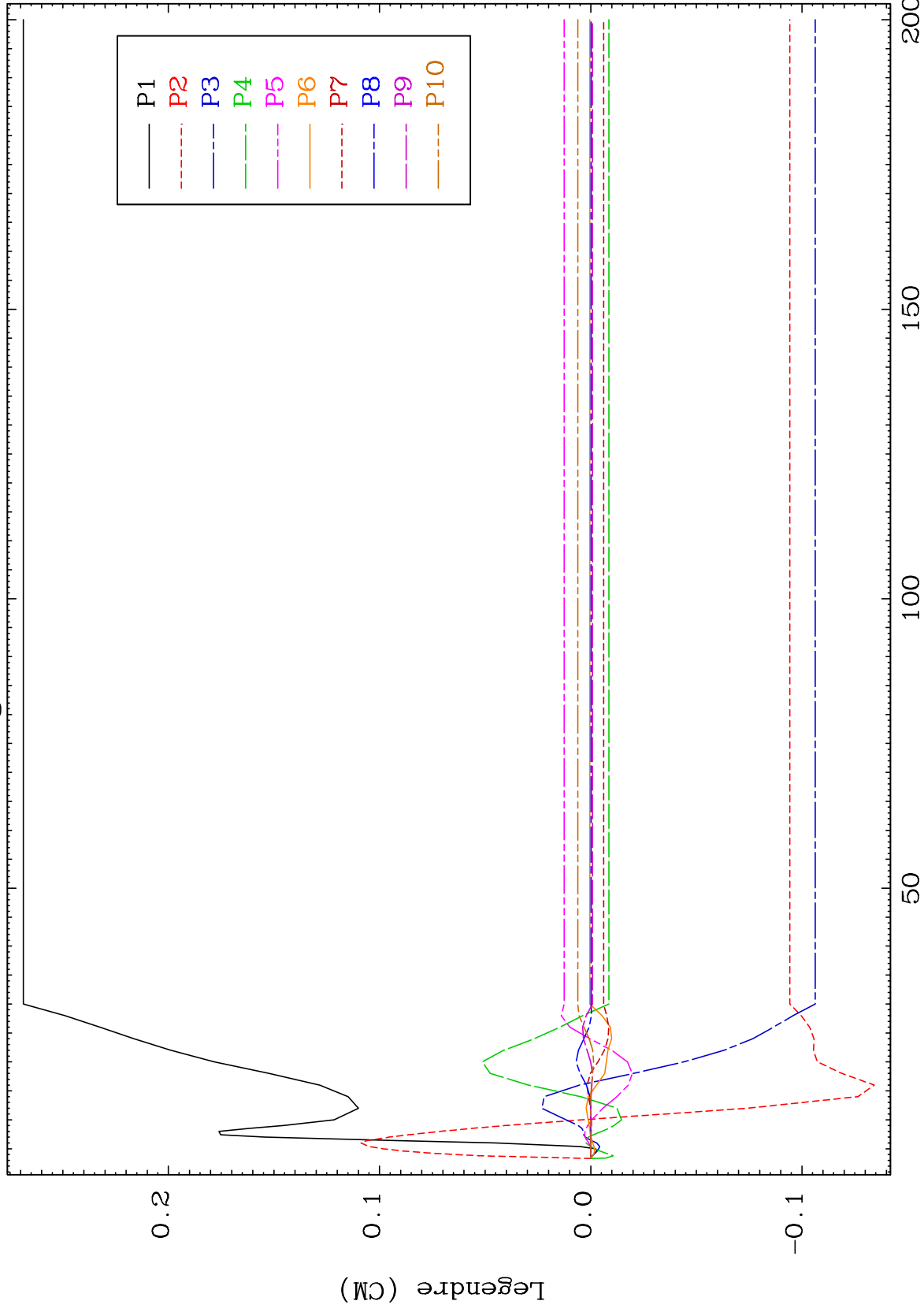
60-Nd-136



MAT 6007

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

60-Nd-136



99

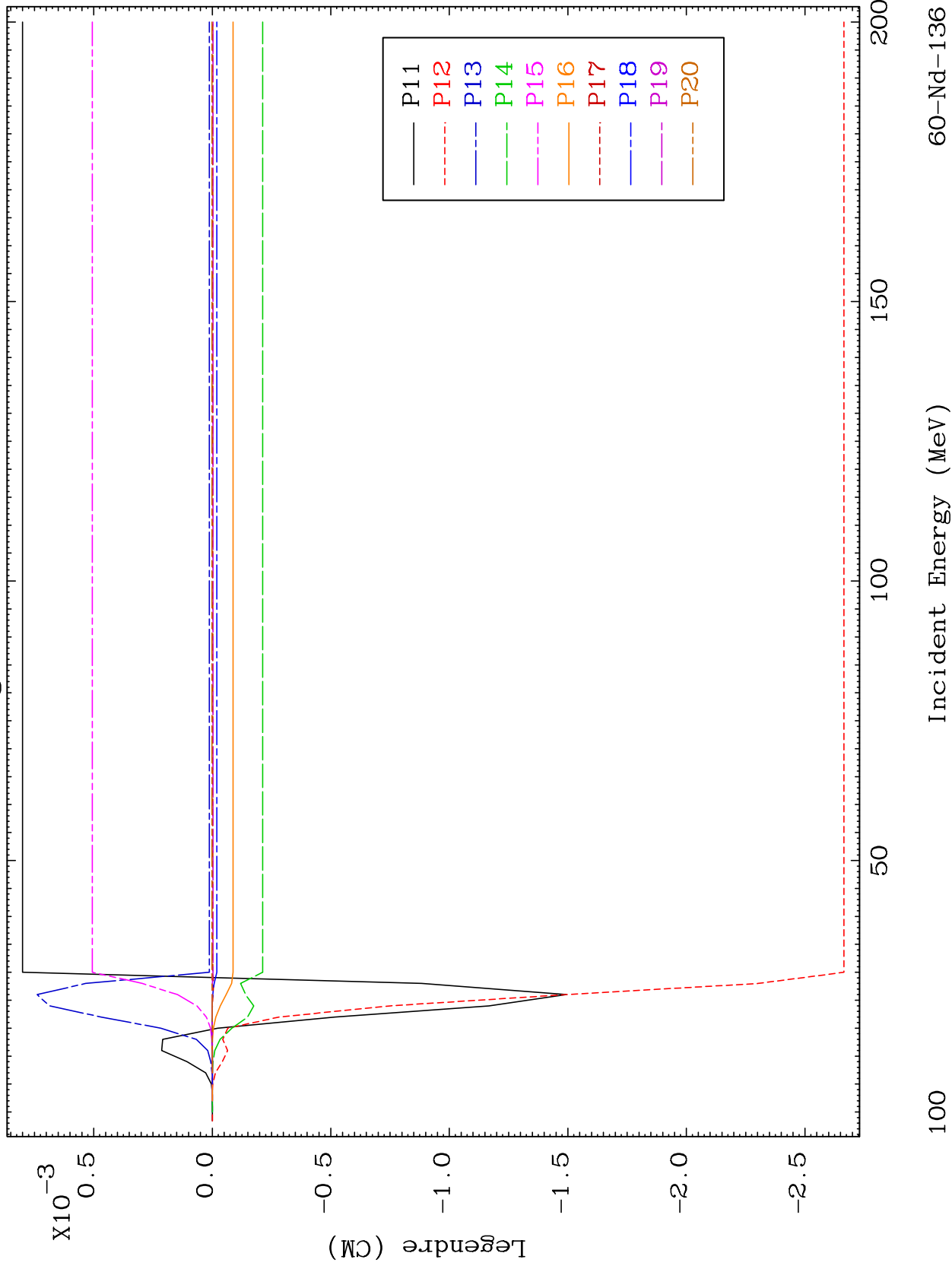
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

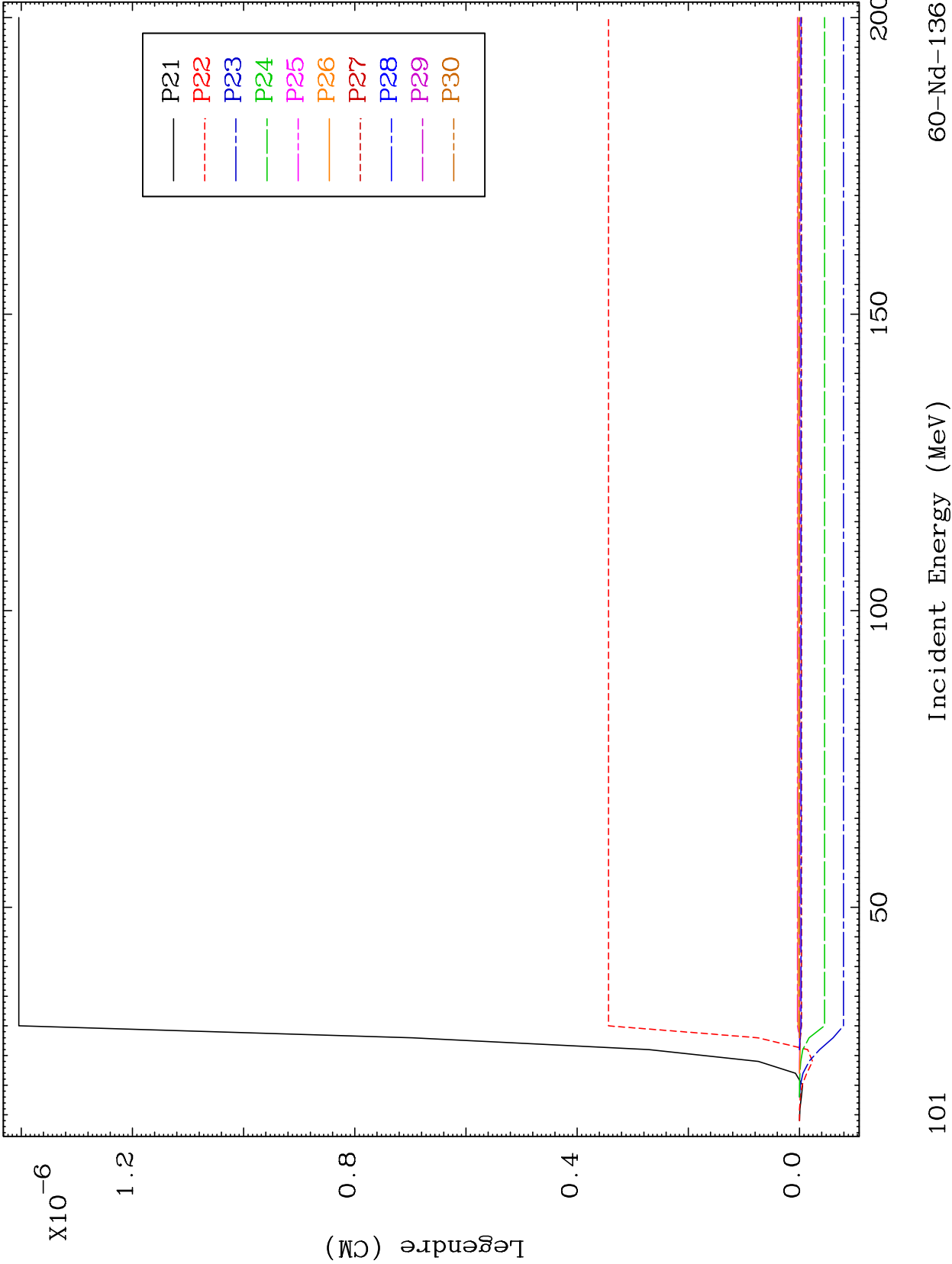
60-Nd-136



MAT 6007

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

60-Nd-136



101

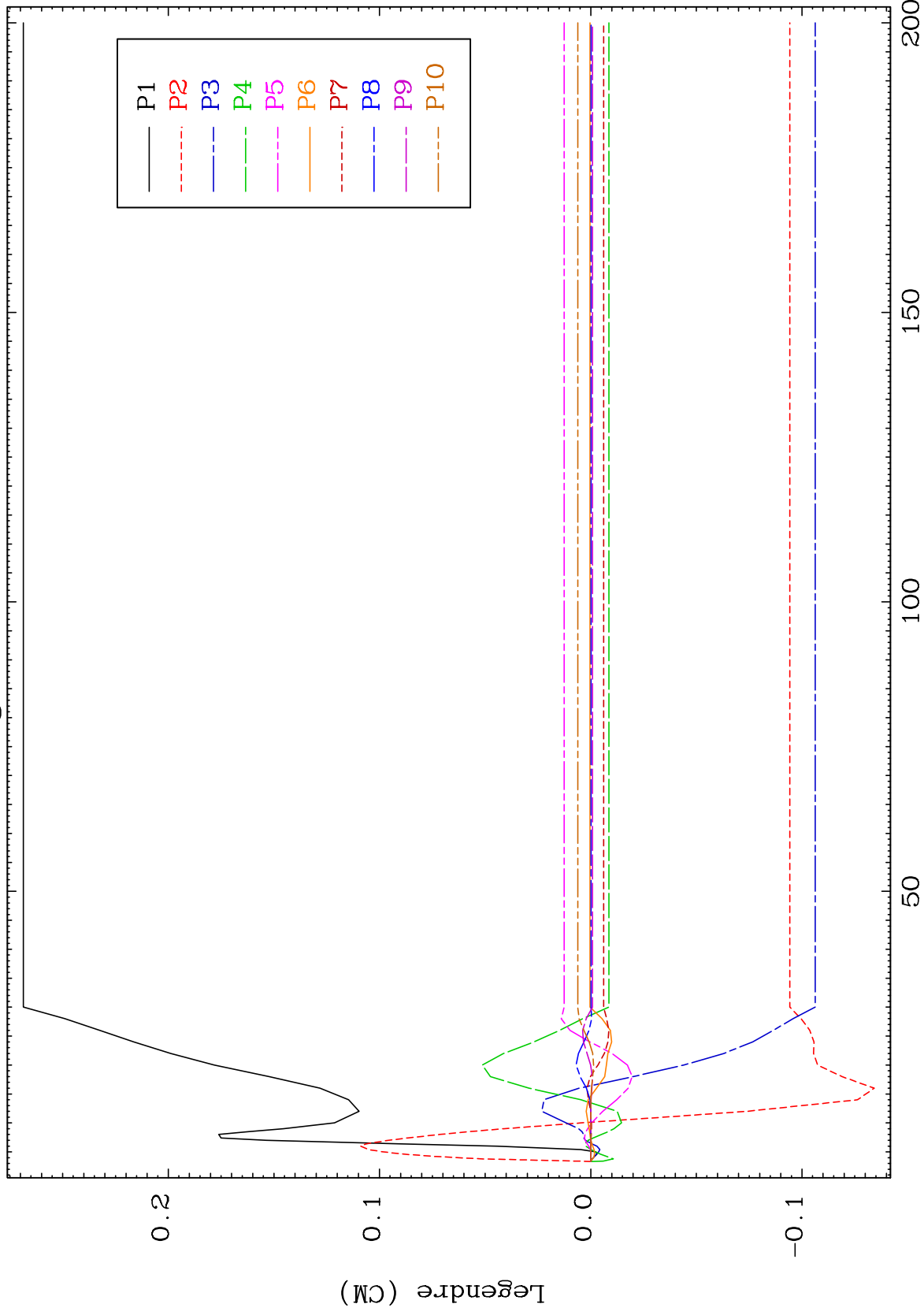
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136



102

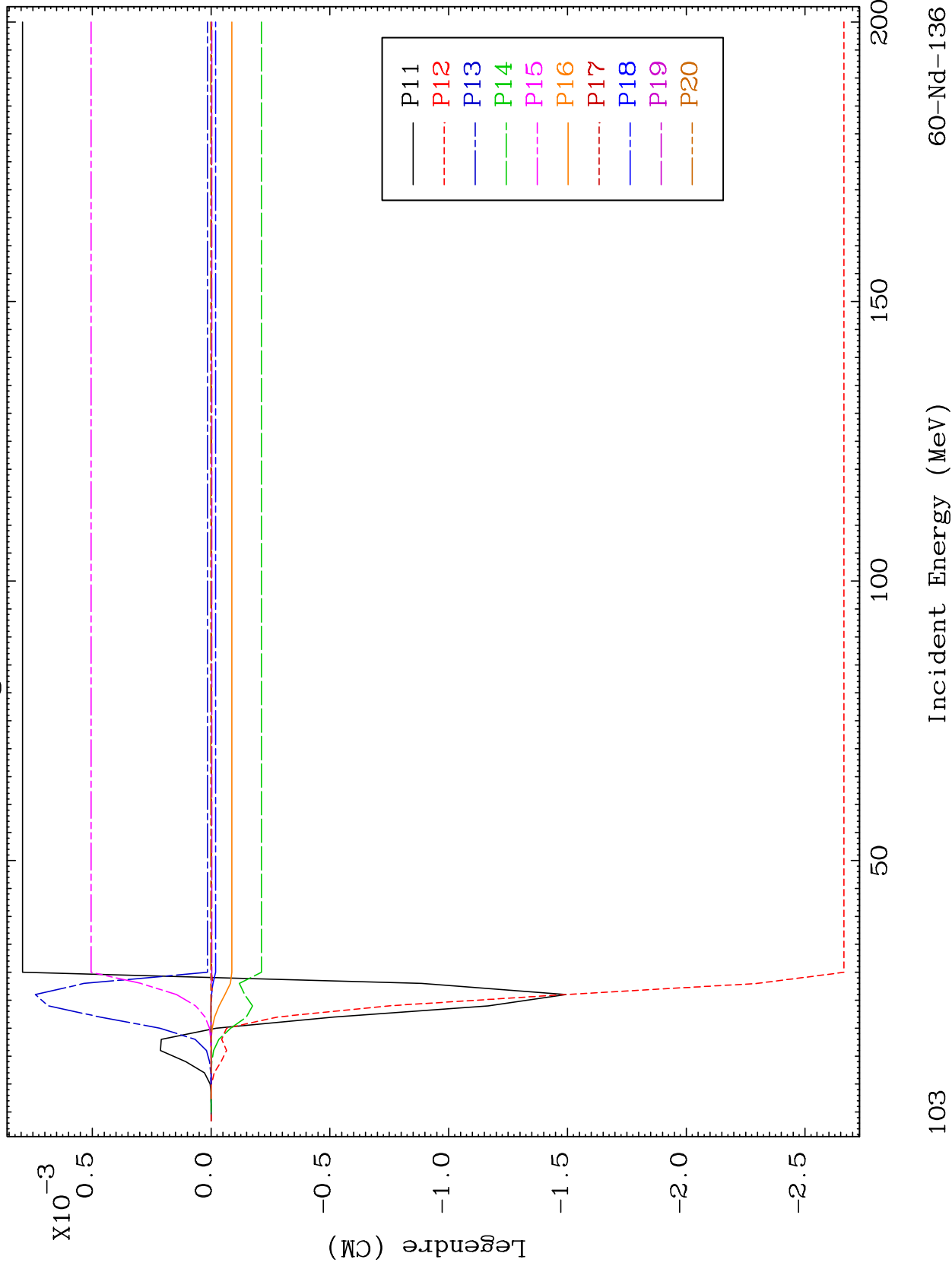
Incident Energy (MeV)

60-Nd-136

MAT 6007

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

60-Nd-136

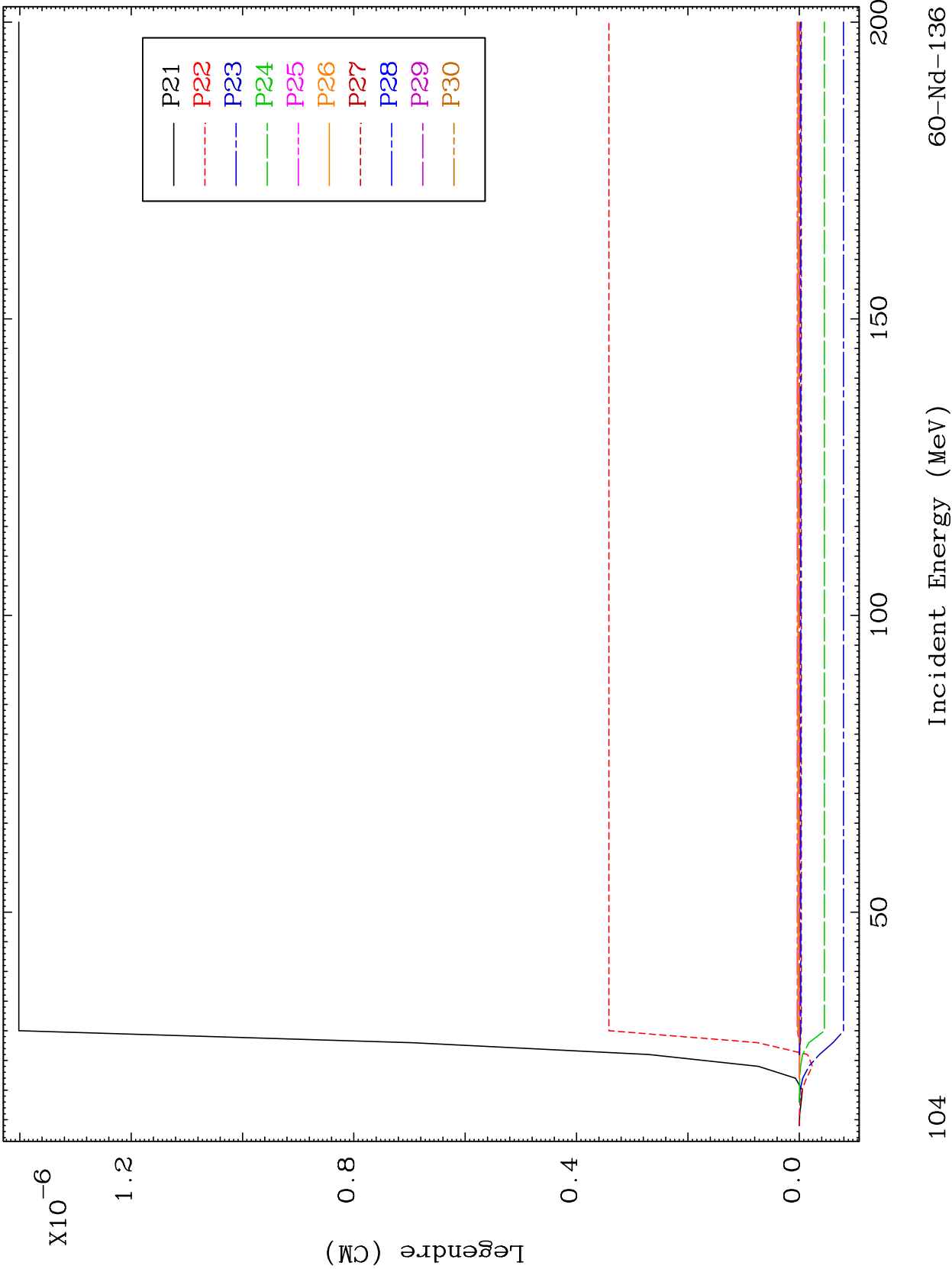


103

MAT 6007

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

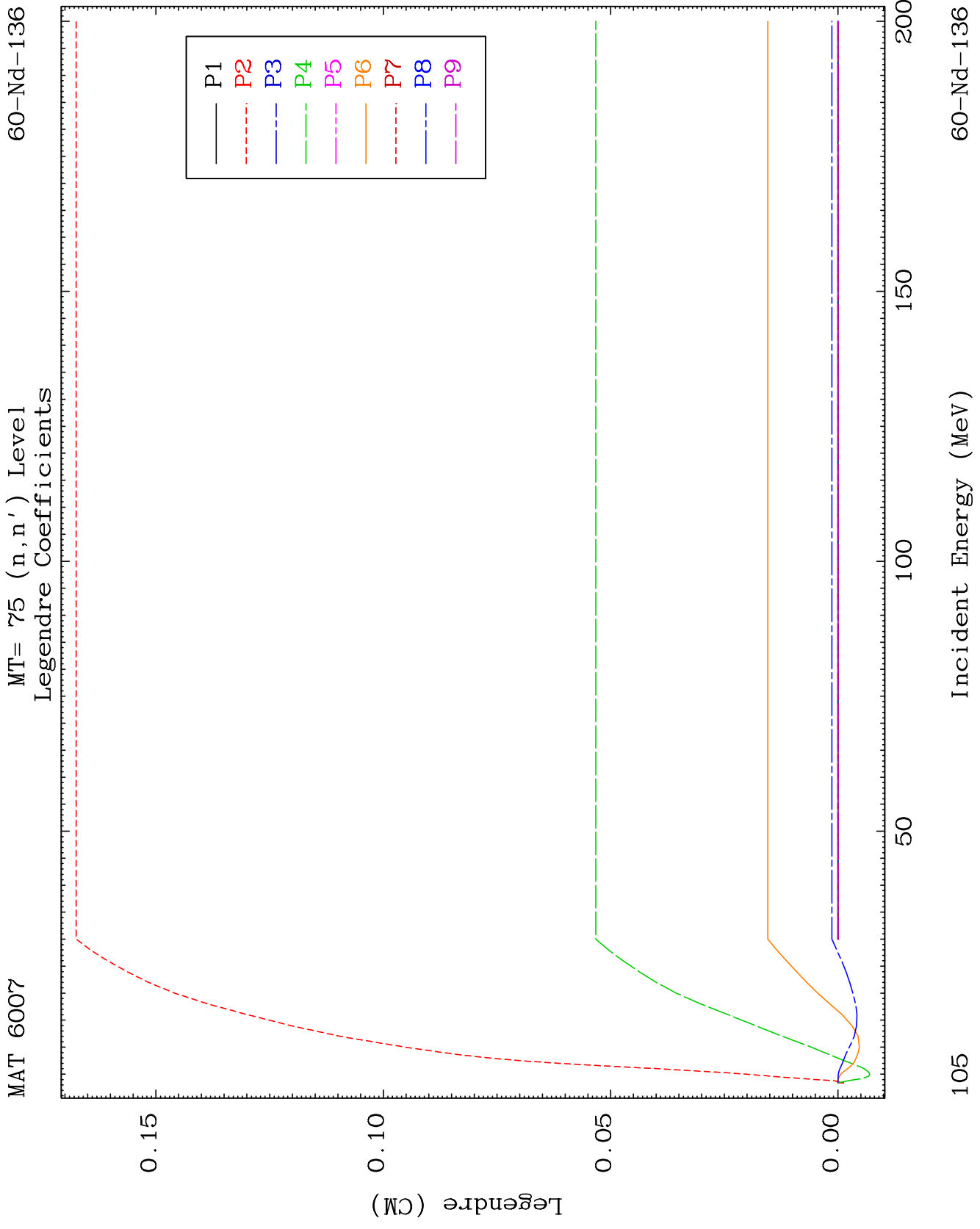
60-Nd-136

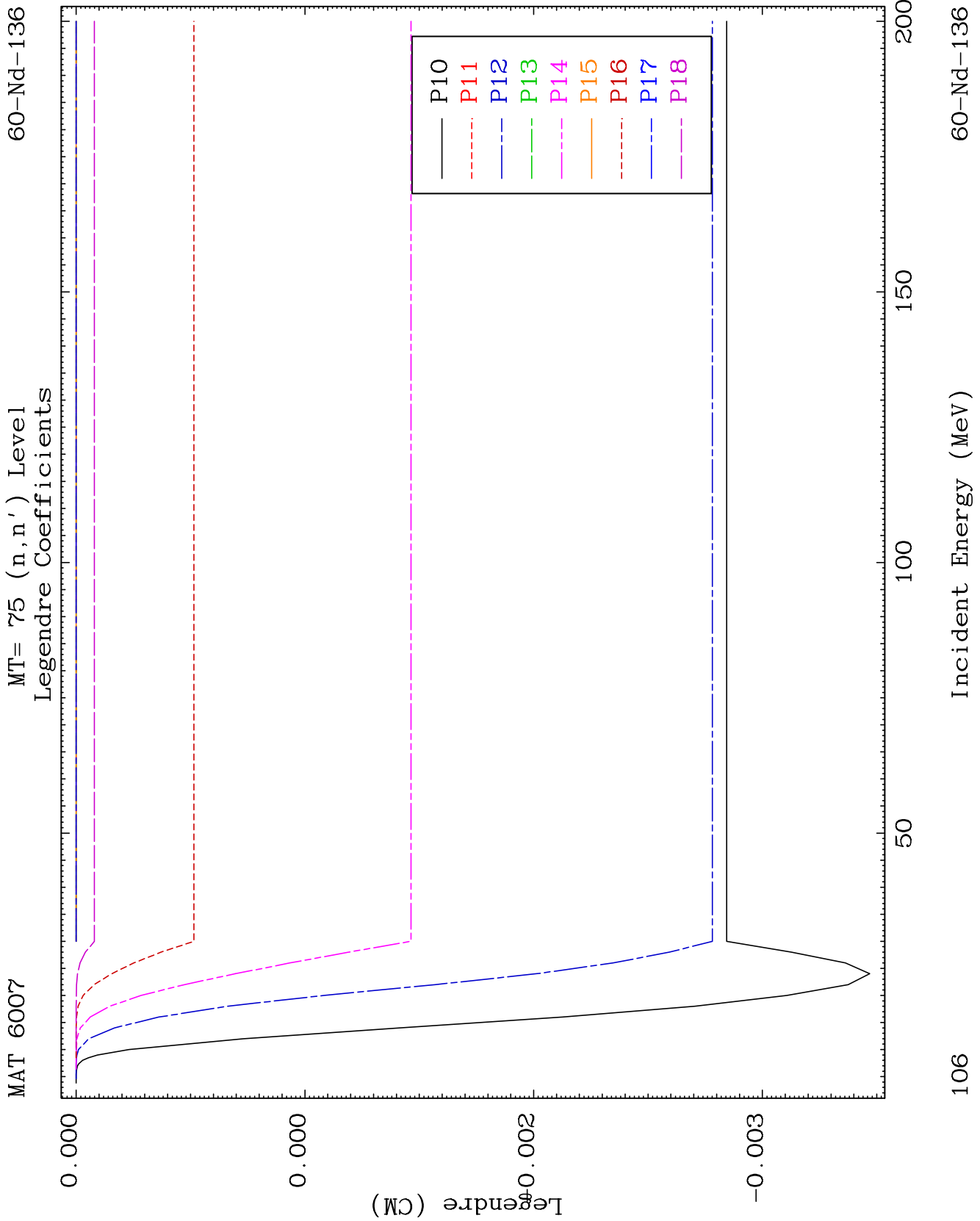


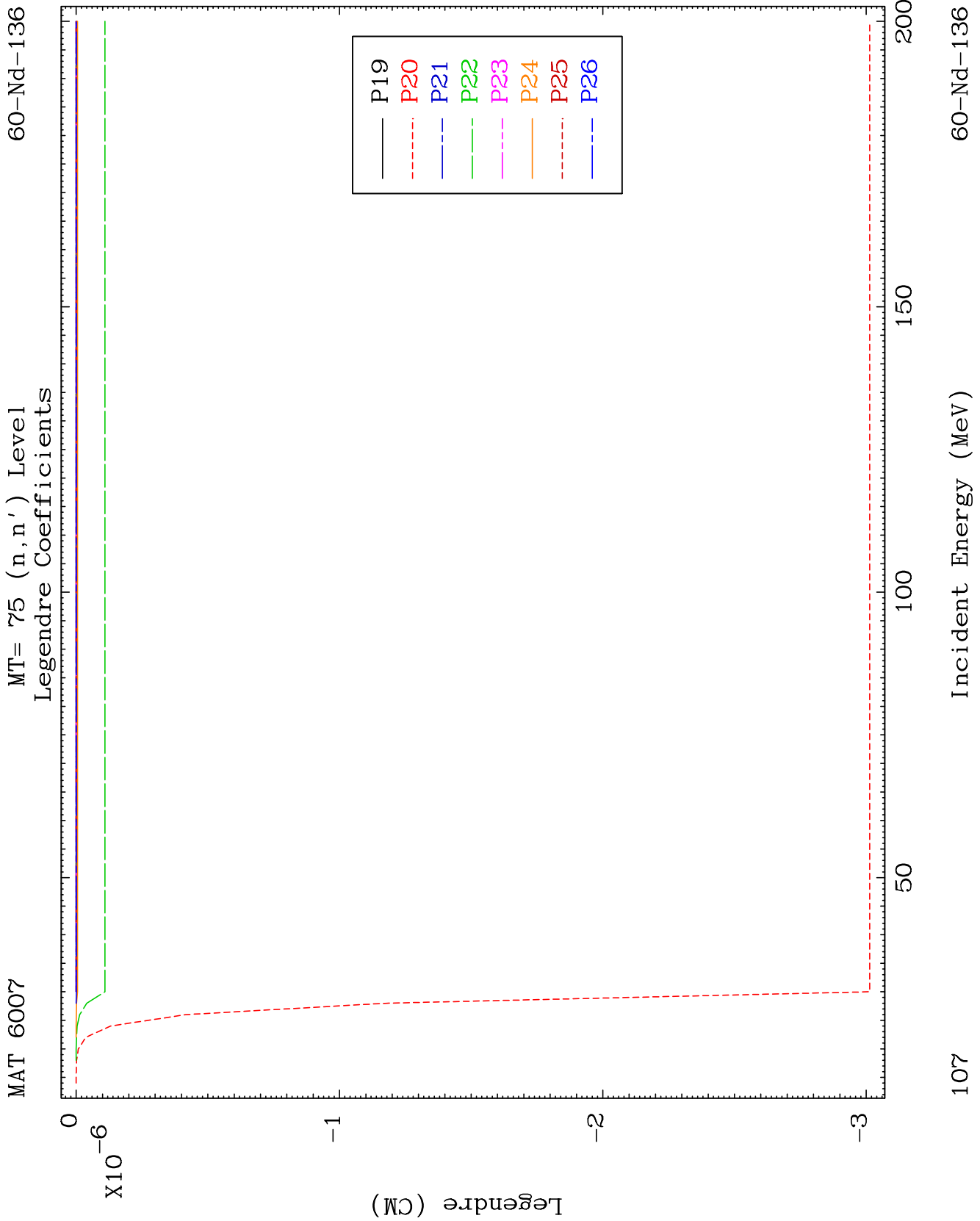
104

Incident Energy (MeV)

60-Nd-136





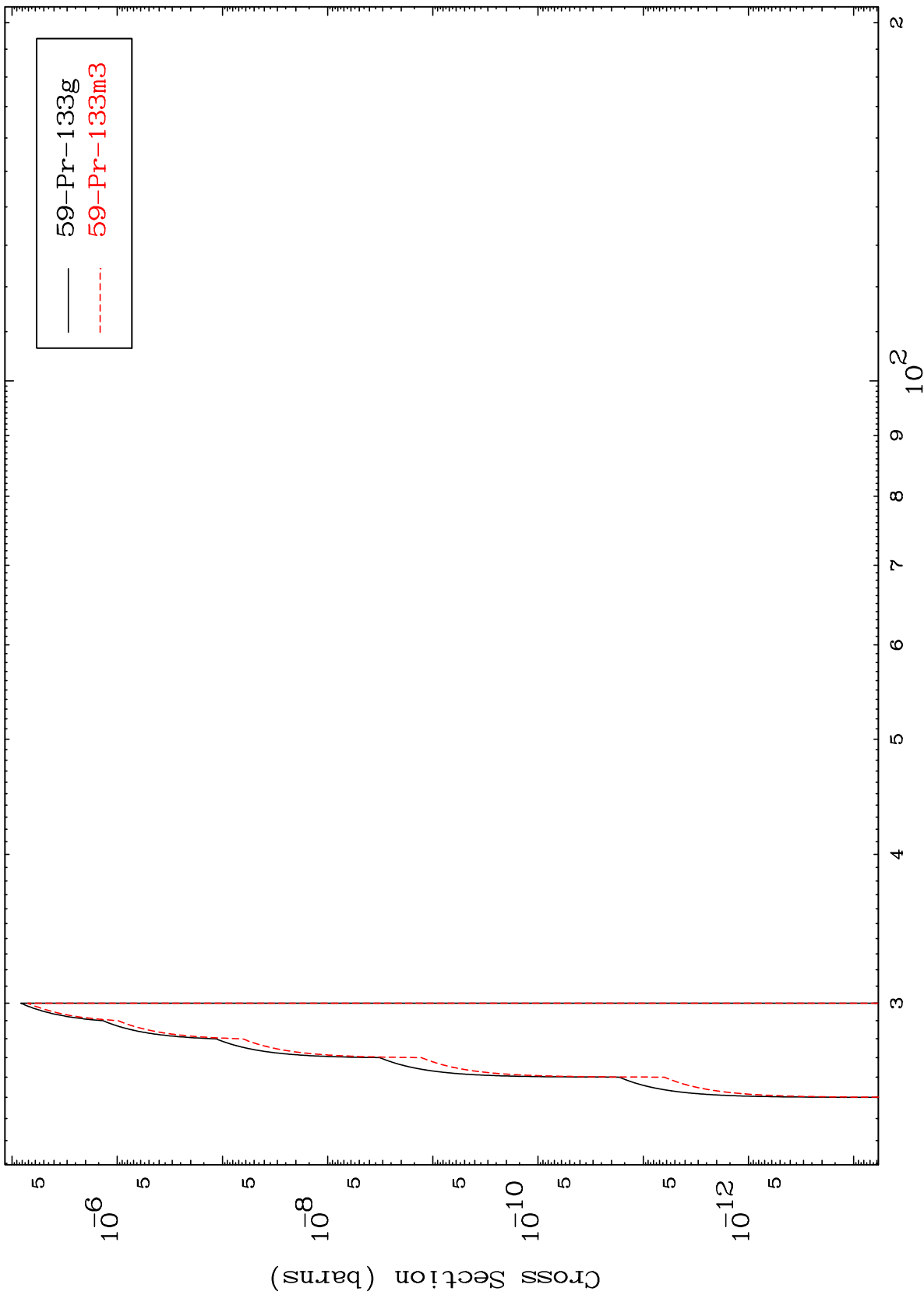


MAT 6007

(n,2n) d

60-Nd-136

Radionuclide Production Cross Section



108

Incident Energy (MeV)

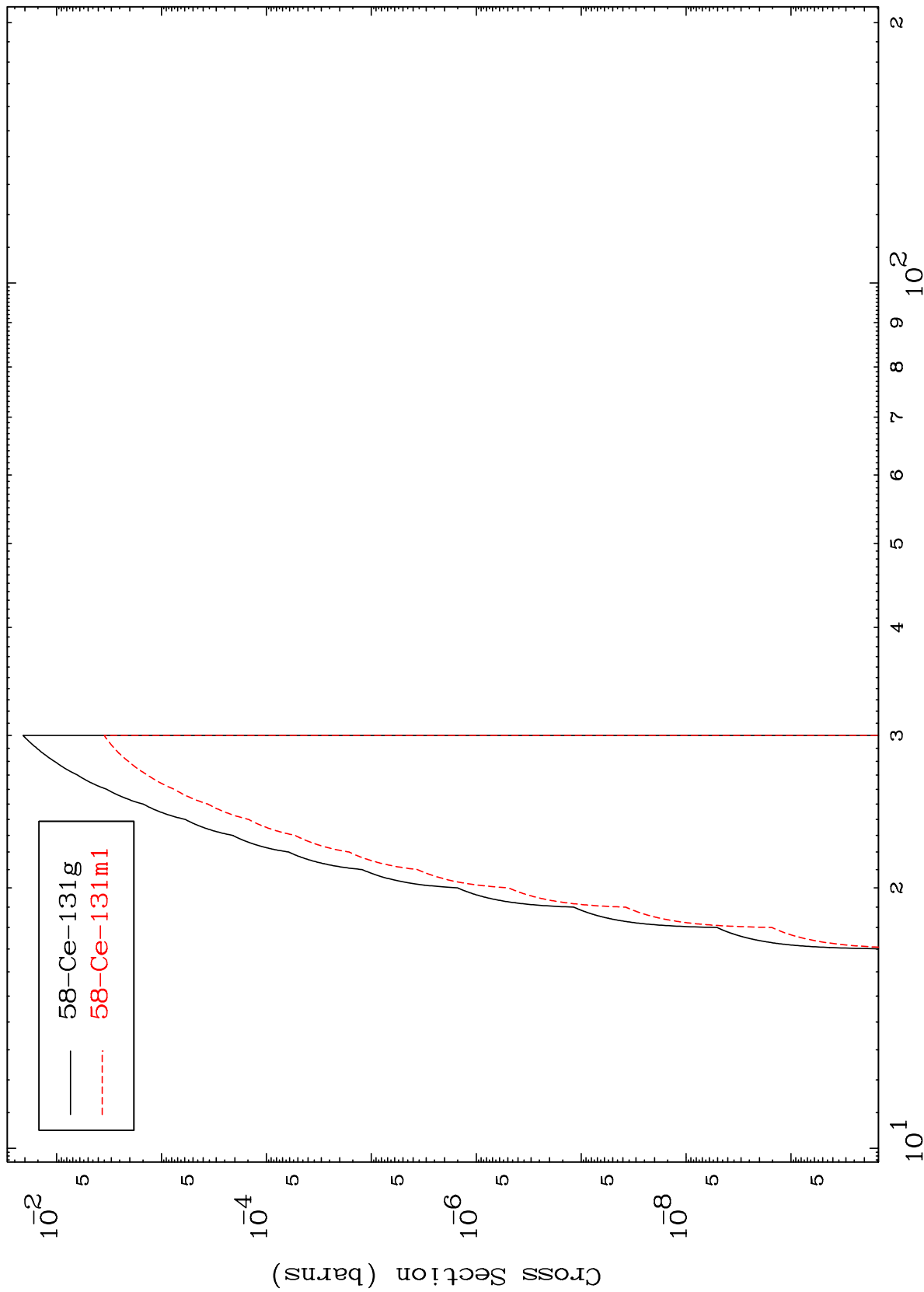
60-Nd-136

MAT 6007

(n,2n) α

60-Nd-136

Radionuclide Production Cross Section

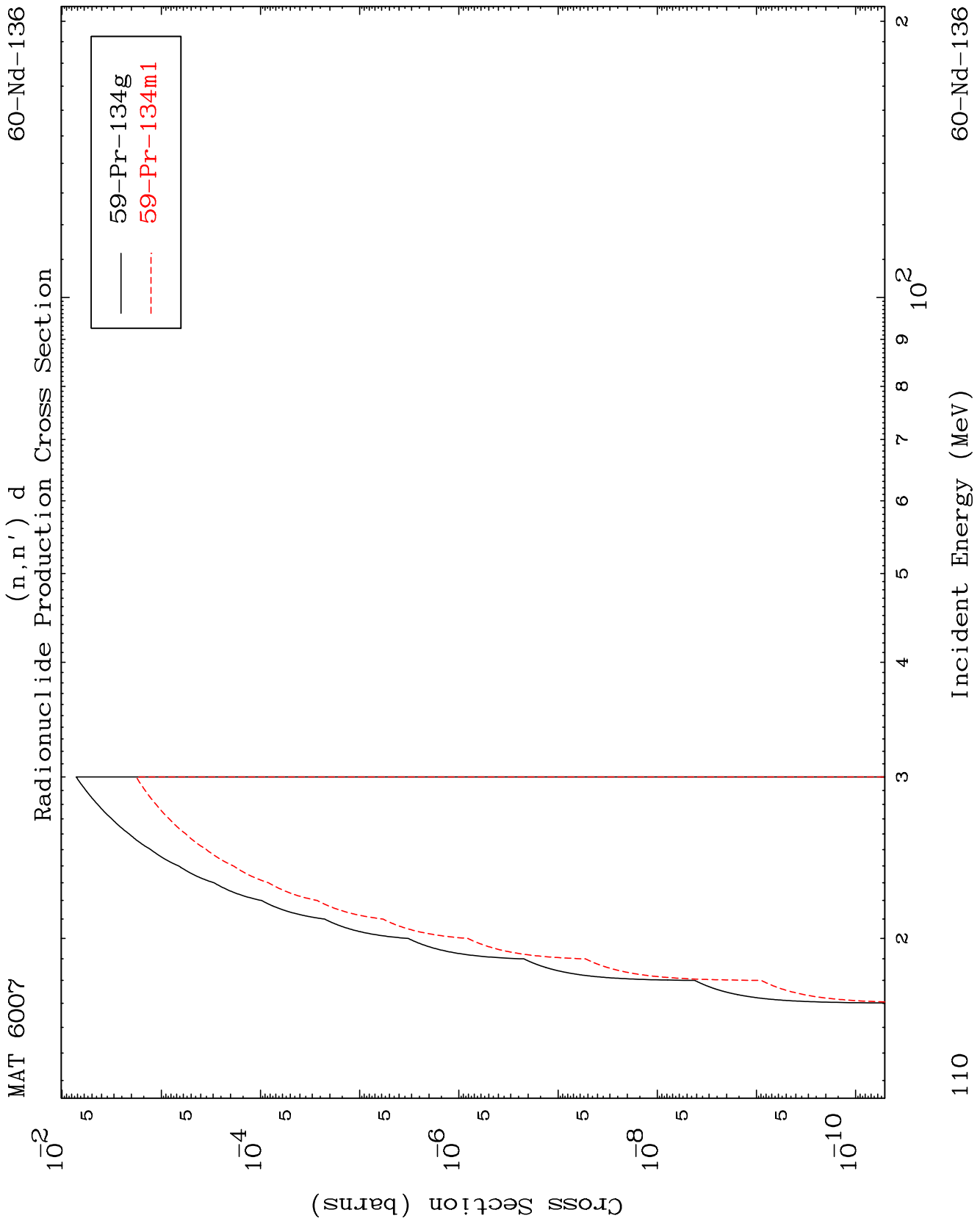


58-Ce-131g
58-Ce-131m1

Incident Energy (MeV)

60-Nd-136

109

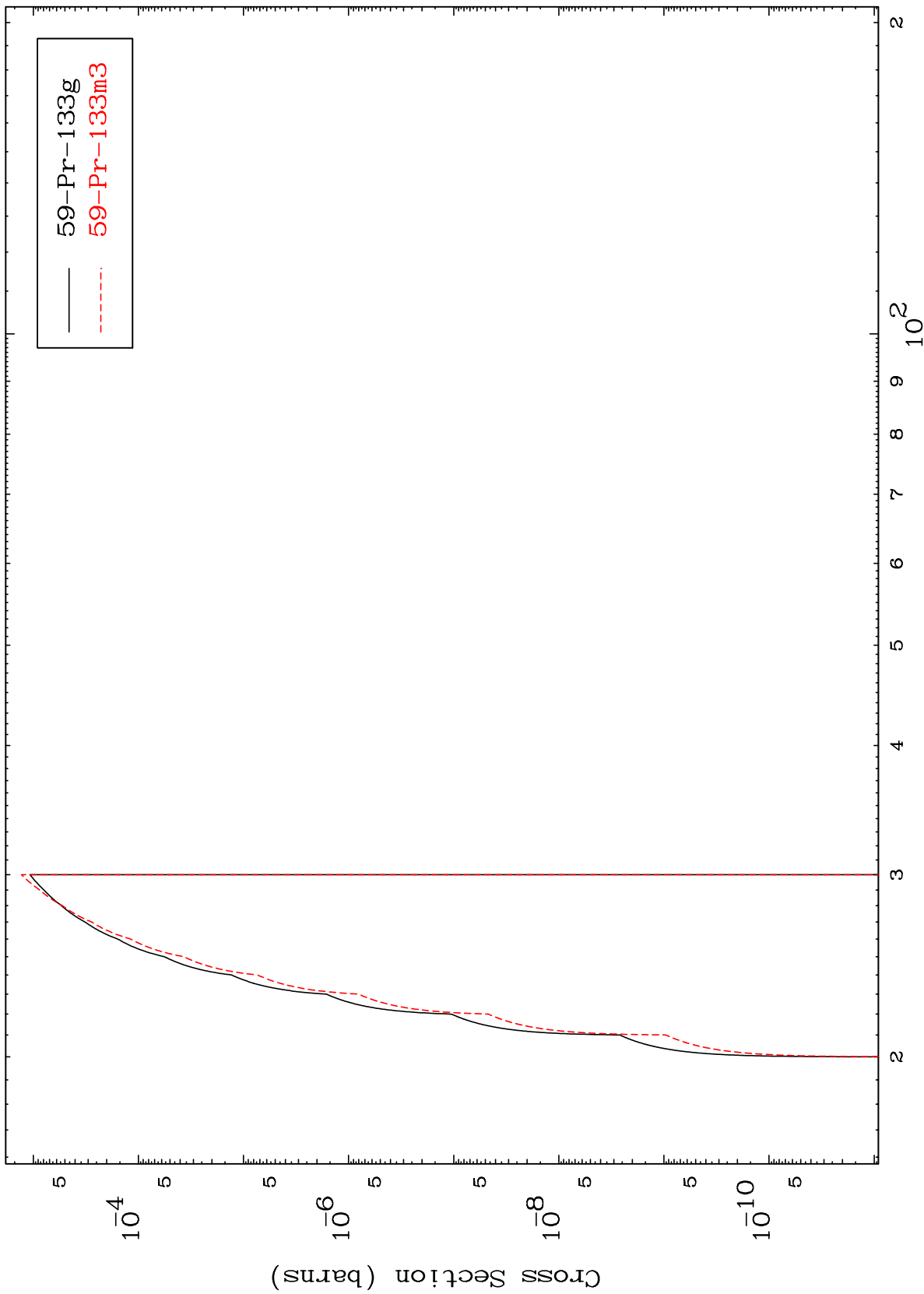


MAT 6007

(n,n') t

60-Nd-136

Radionuclide Production Cross Section



111

Incident Energy (MeV)

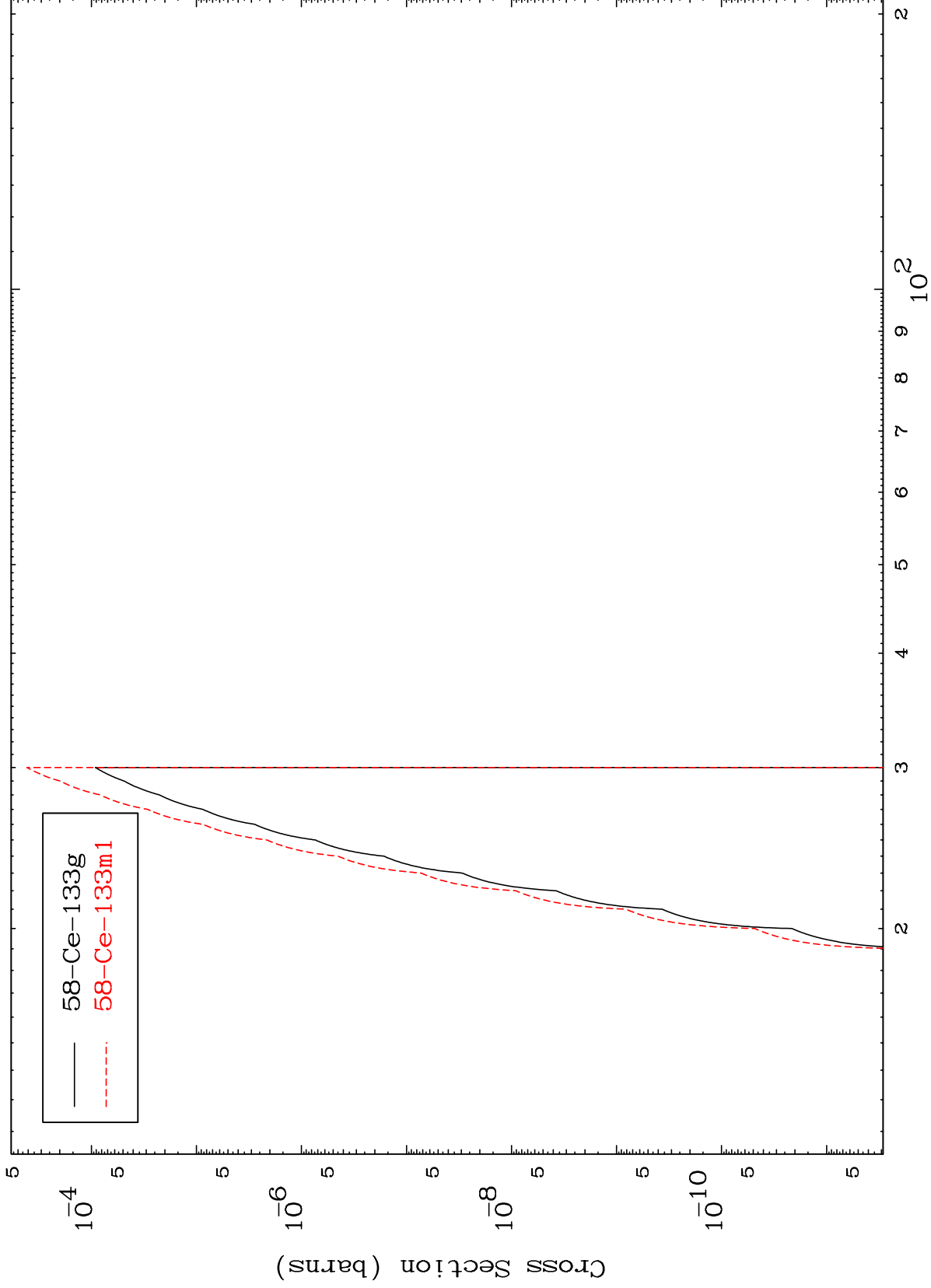
60-Nd-136

MAT 6007

(n,n') He-3

60-Nd-136

Radionuclide Production Cross Section



112

Incident Energy (MeV)

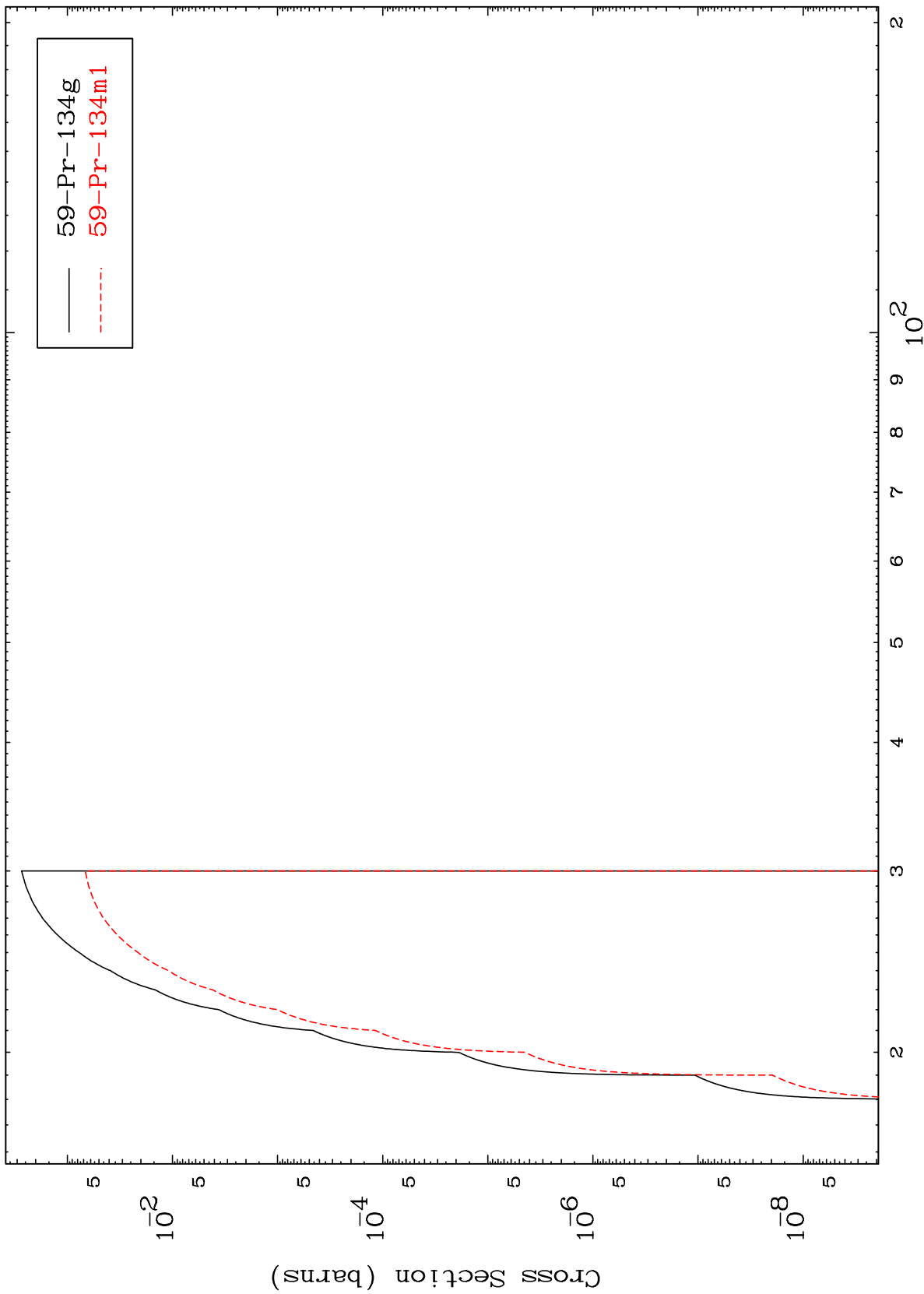
60-Nd-136

MAT 6007

(n,2n) p

60-Nd-136

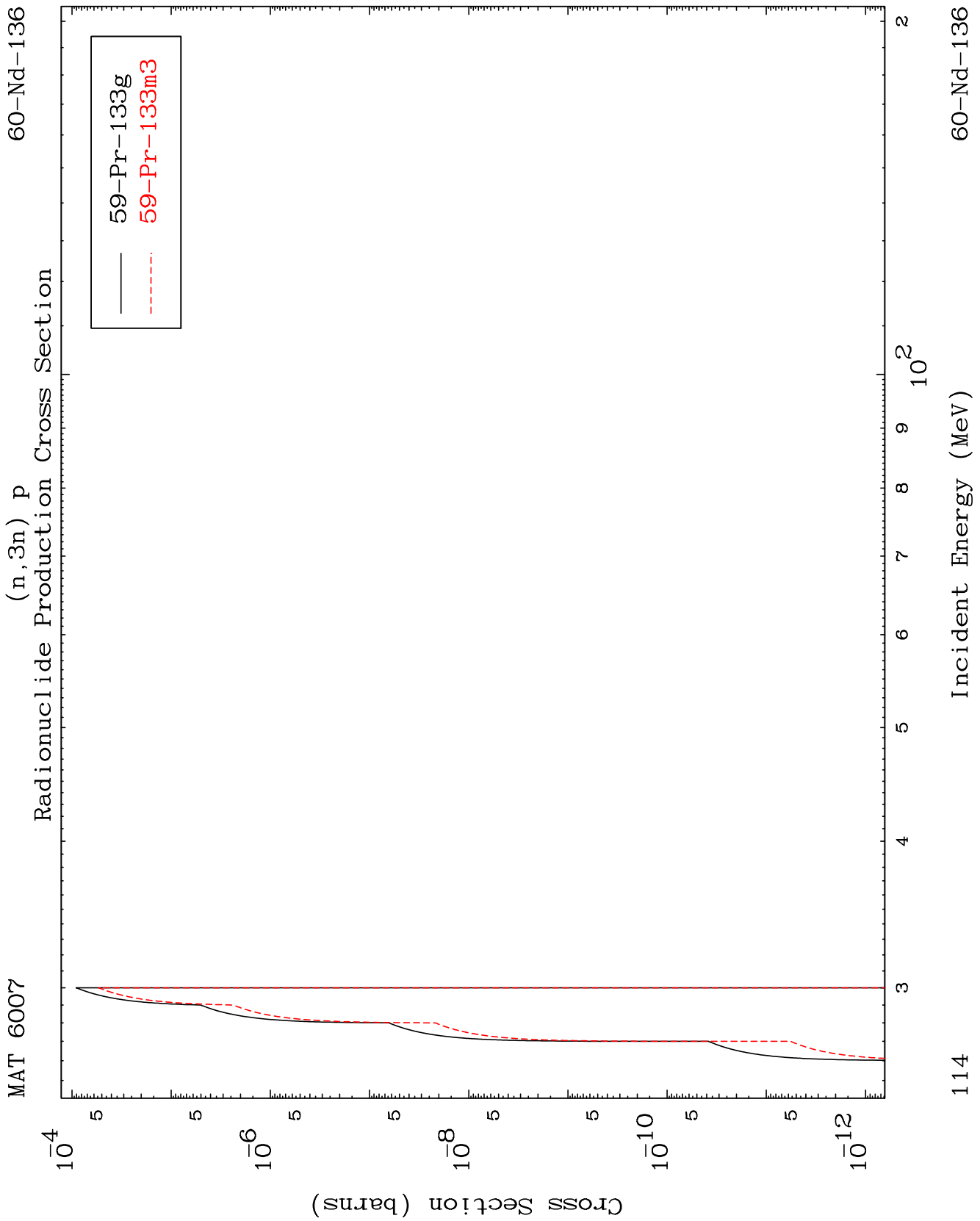
Radionuclide Production Cross Section



113

Incident Energy (MeV)

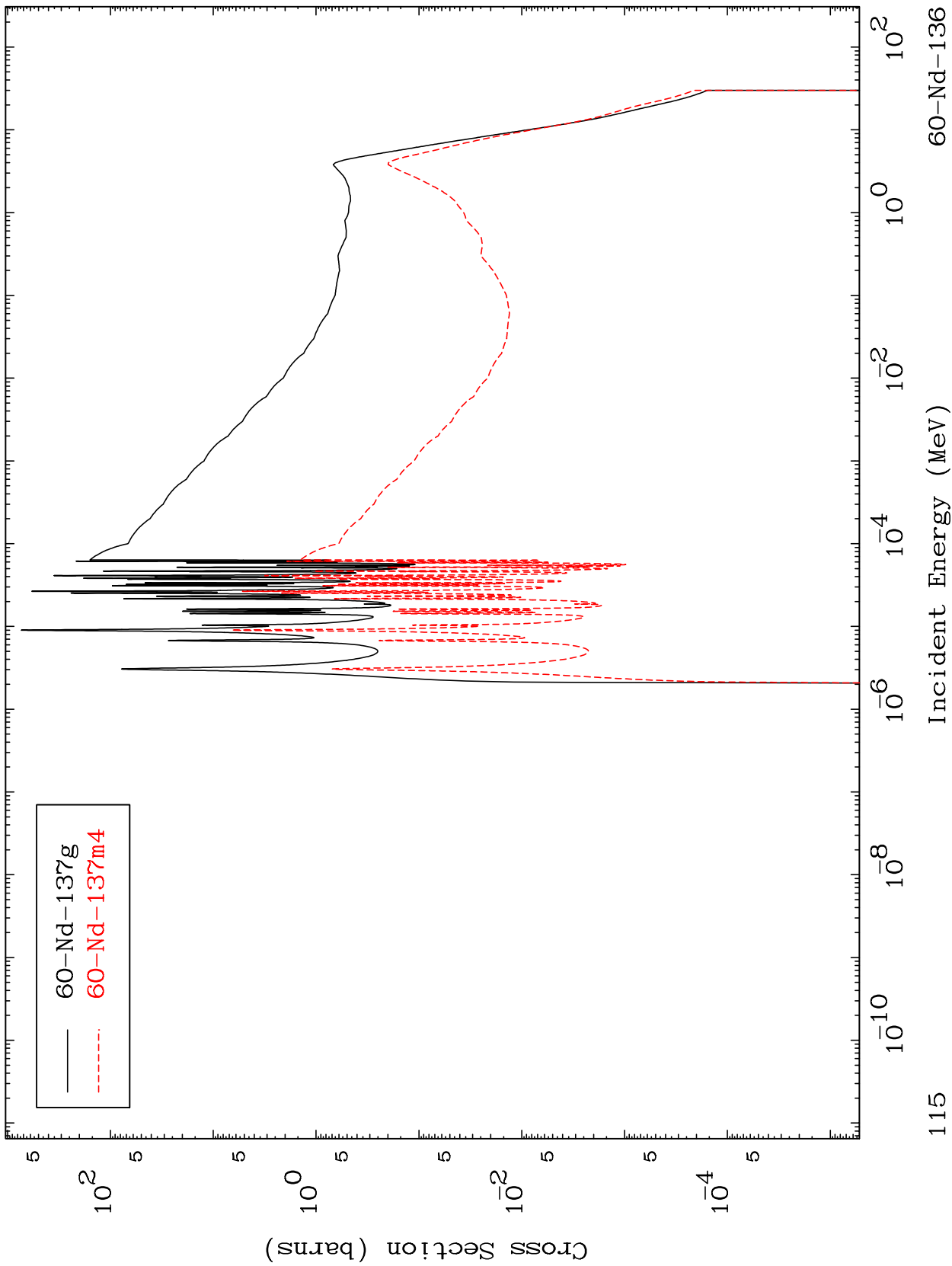
60-Nd-136



MAT 6007

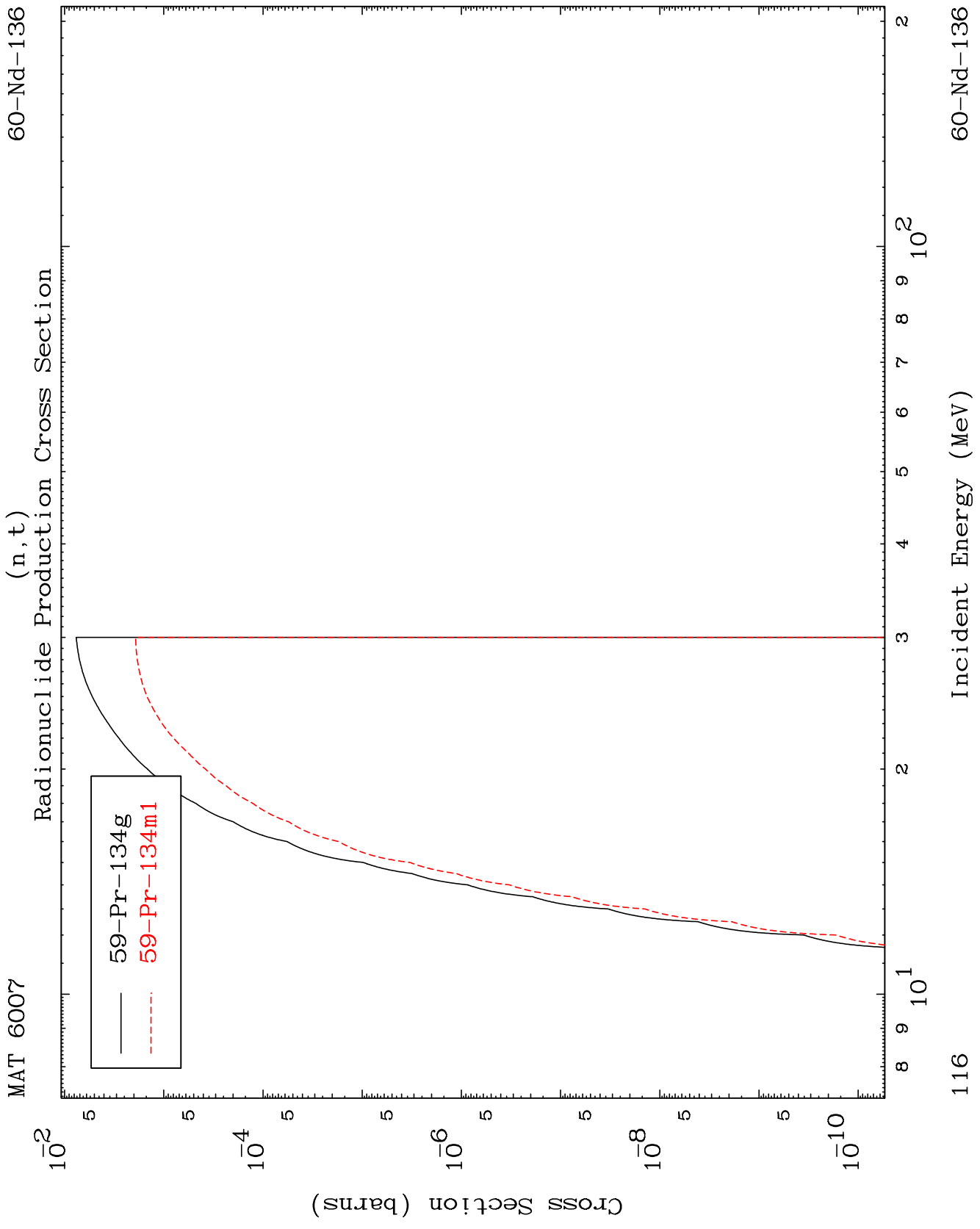
60-Nd-136

Radionuclide Production Cross Section (n,γ)



115

60-Nd-136

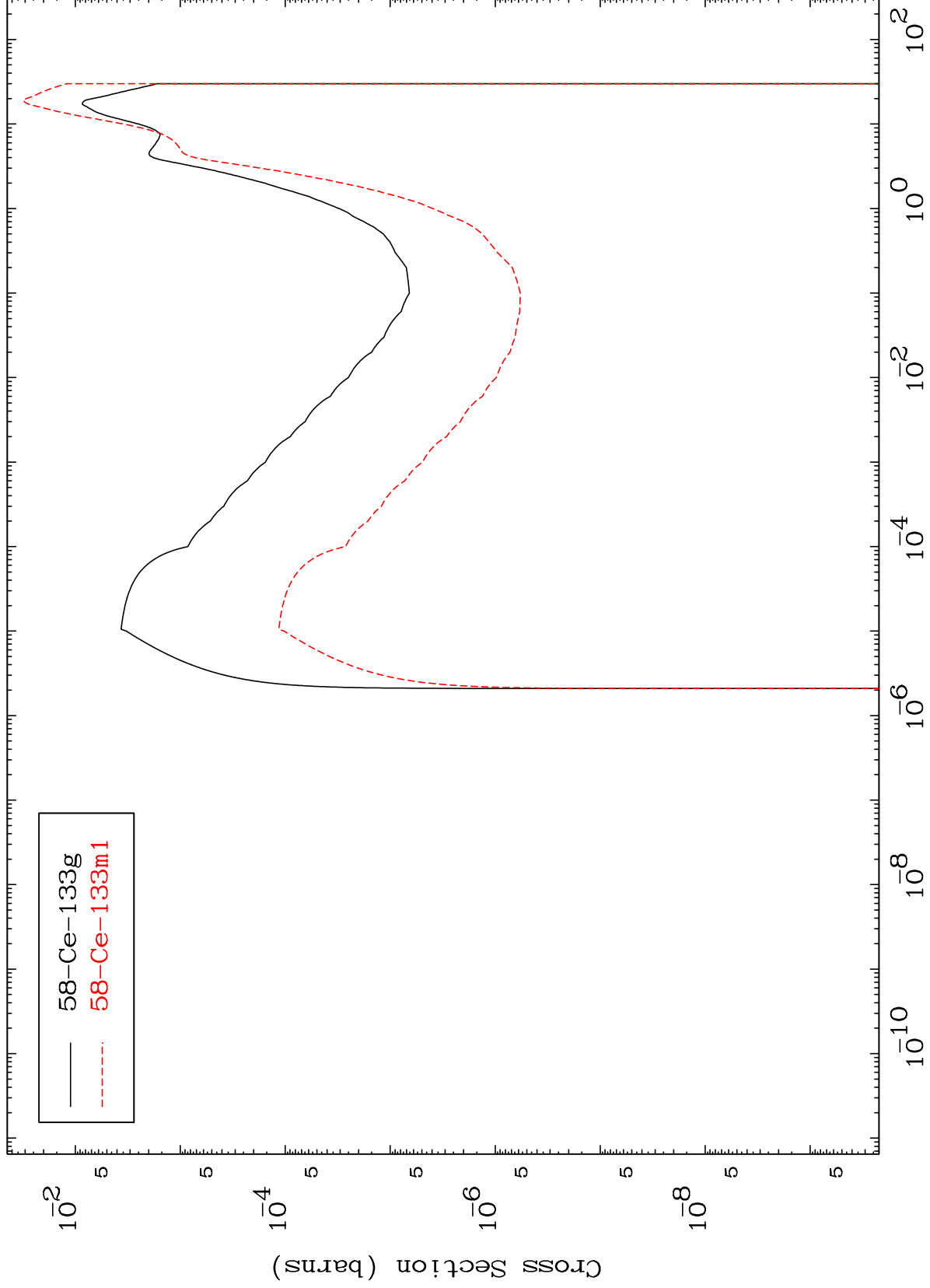
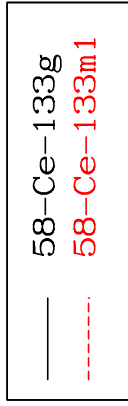


MAT 6007

(n, α)

60-Nd-136

Radionuclide Production Cross Section



117

Incident Energy (MeV)

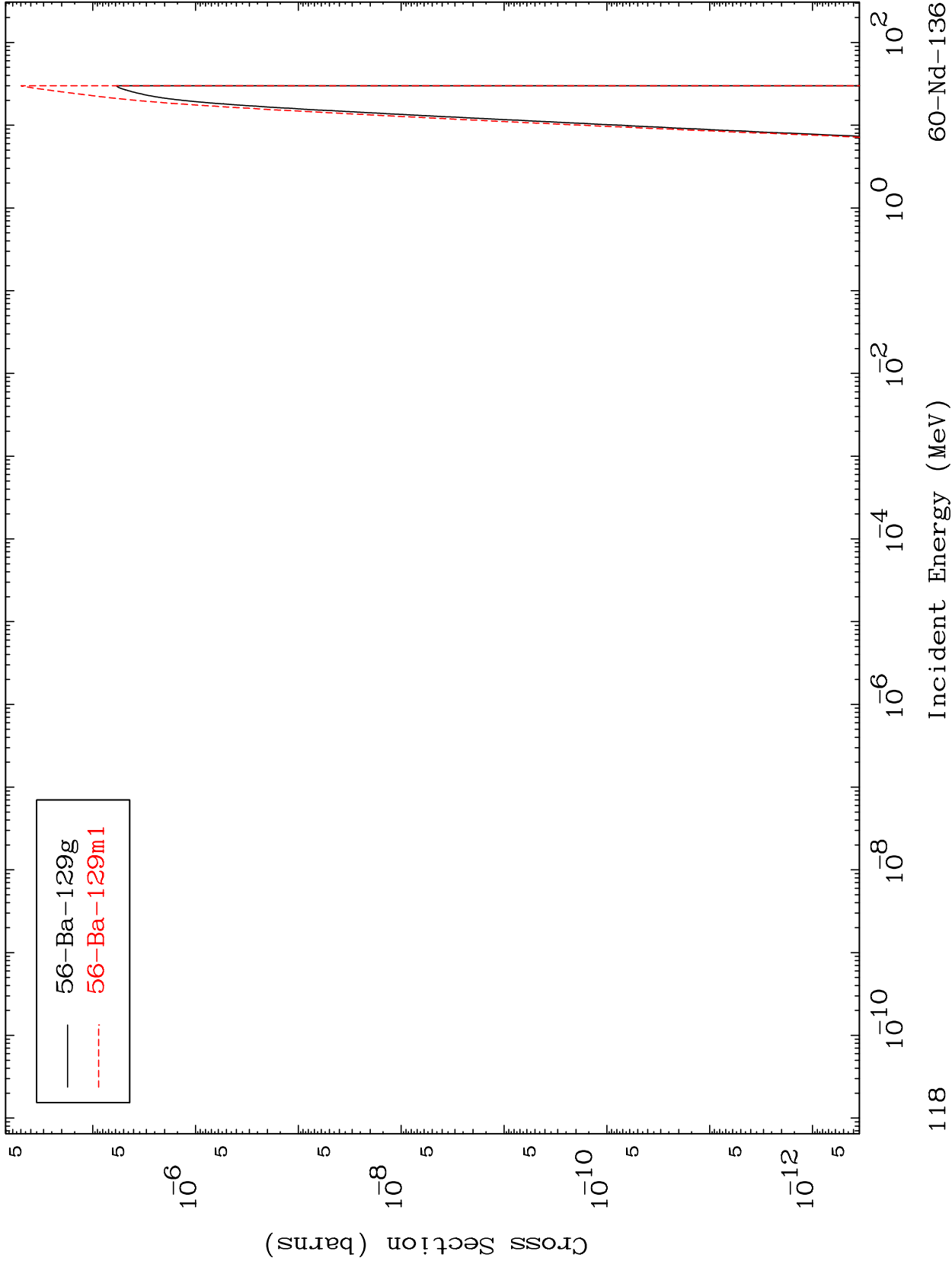
60-Nd-136

MAT 6007

(n,2α)

60-Nd-136

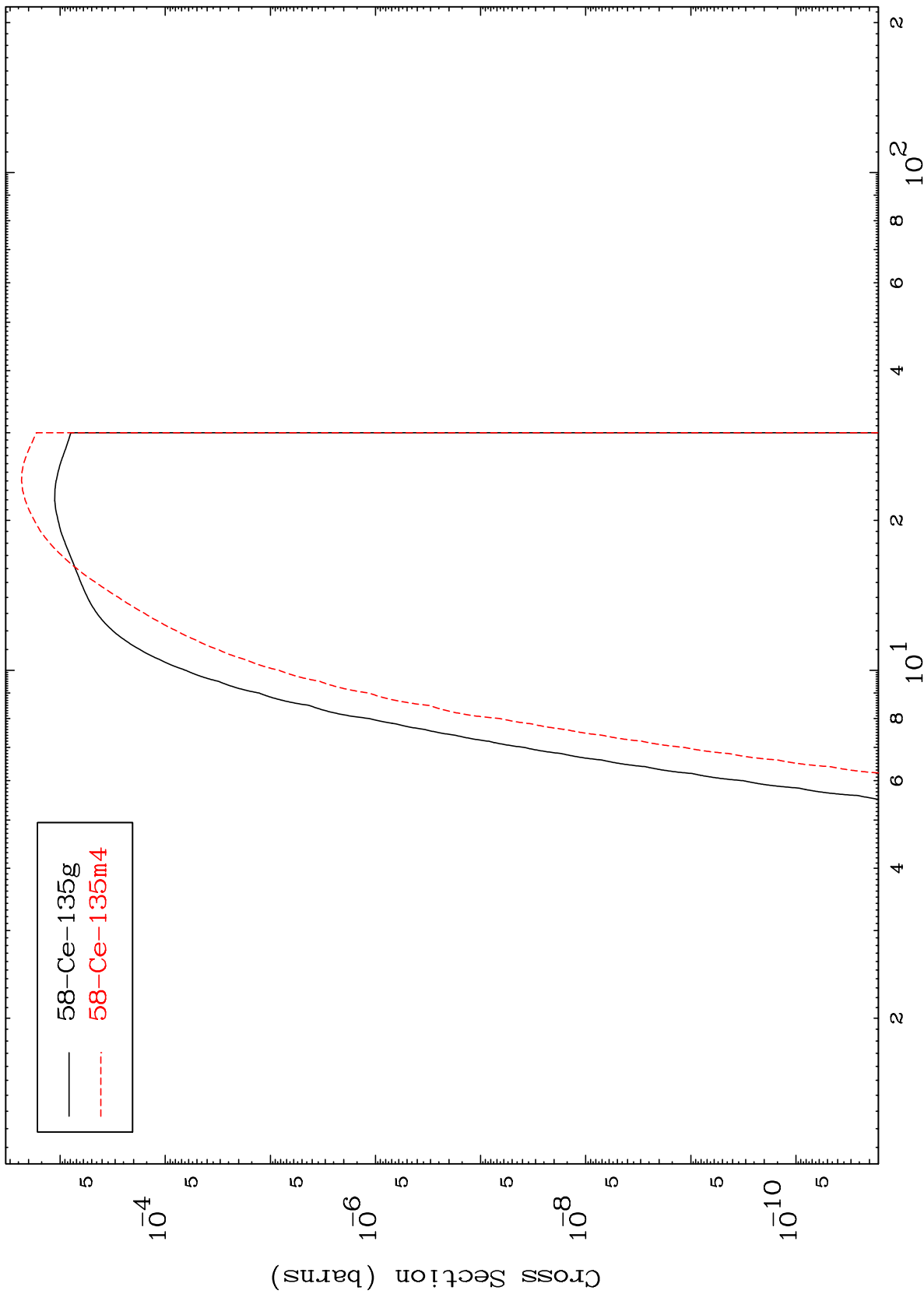
Radionuclide Production Cross Section



MAT 6007

60-Nd-136

(n,2p)
Radionuclide Production Cross Section



119

60-Nd-136

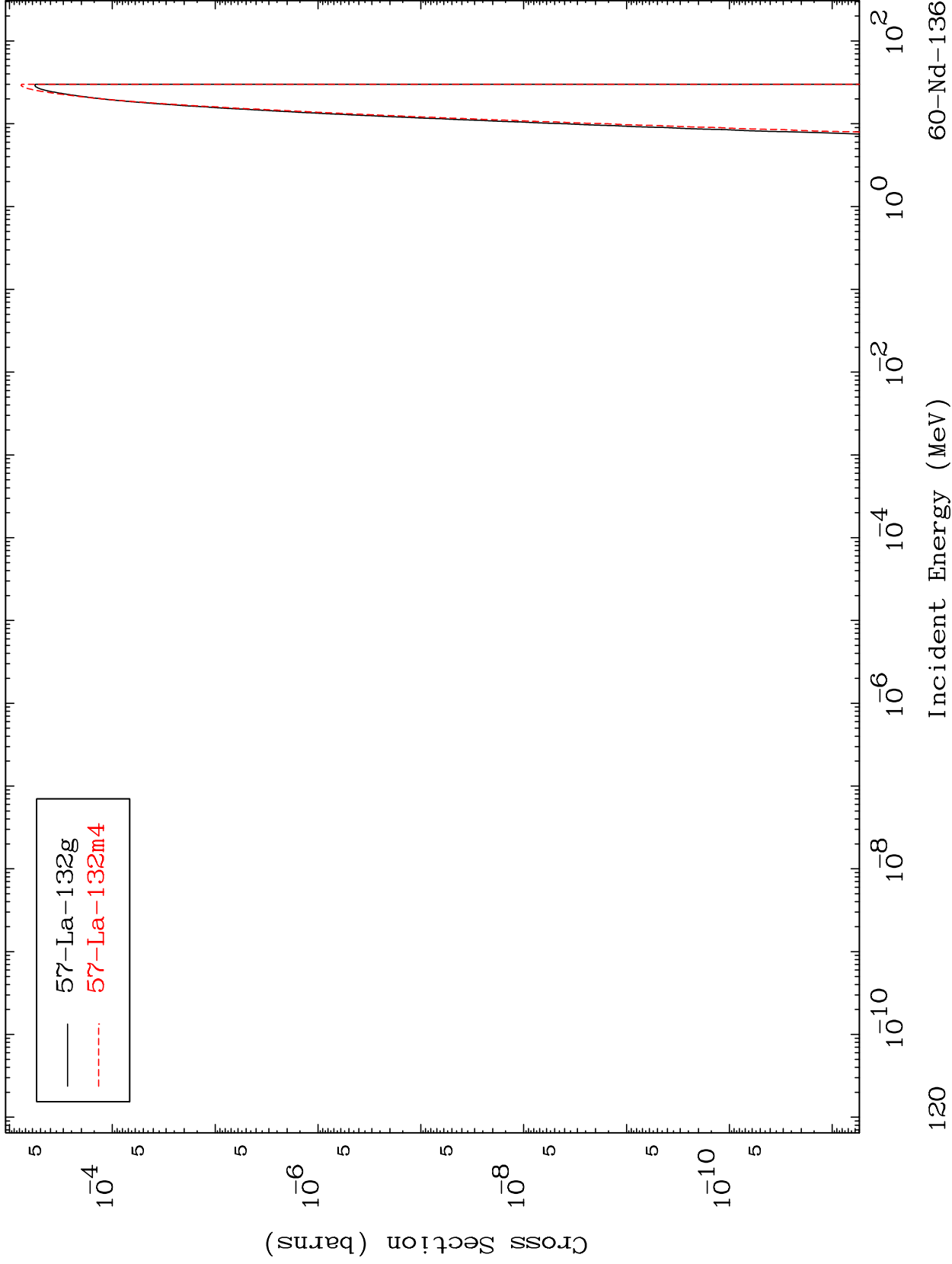
Incident Energy (MeV)

MAT 6007

(n,p) α

60-Nd-136

Radionuclide Production Cross Section

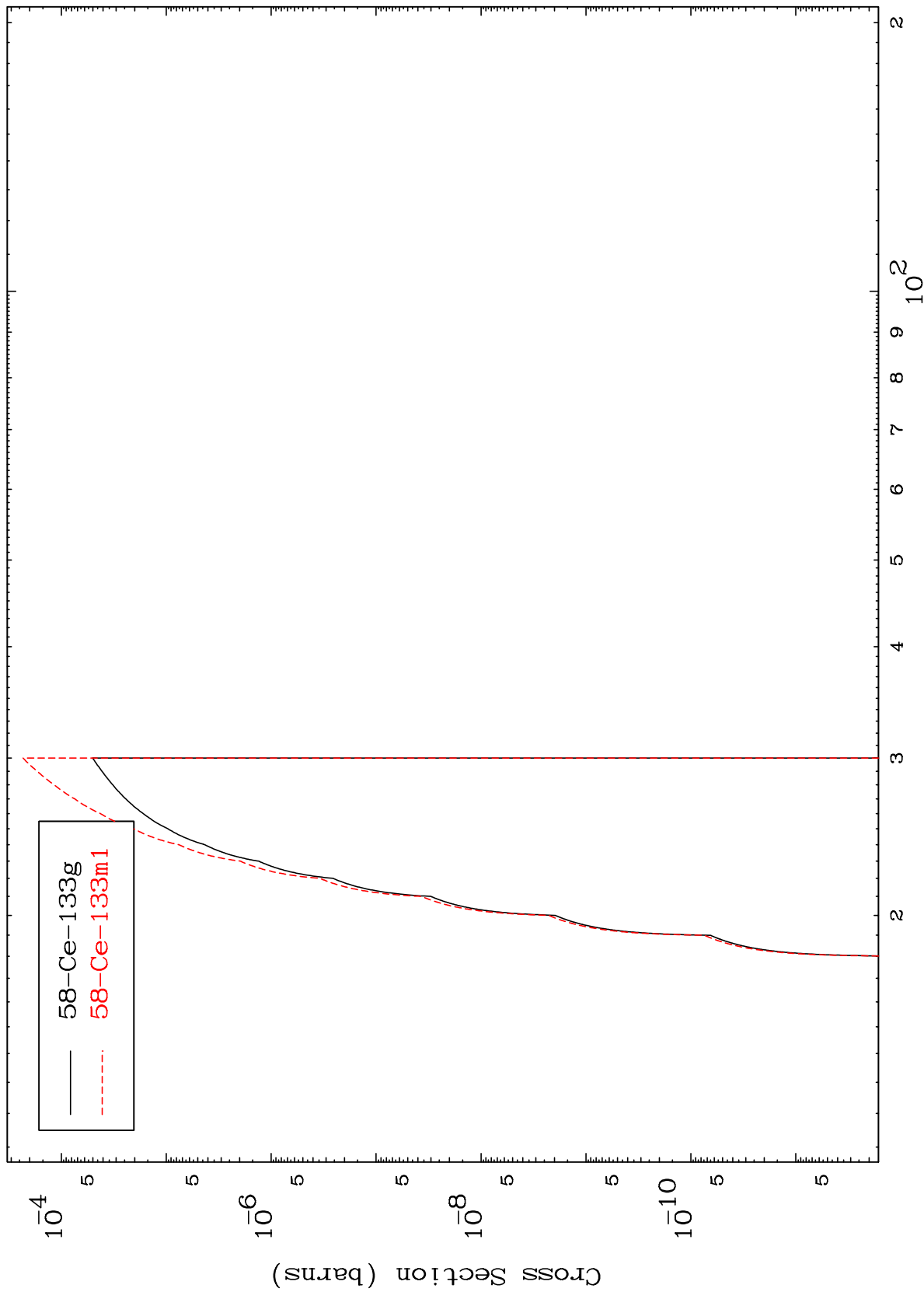


MAT 6007

(n,p) t

60-Nd-136

Radionuclide Production Cross Section



121

Incident Energy (MeV)

60-Nd-136