

Program EVALPLOT
(Version 2021-1)

by

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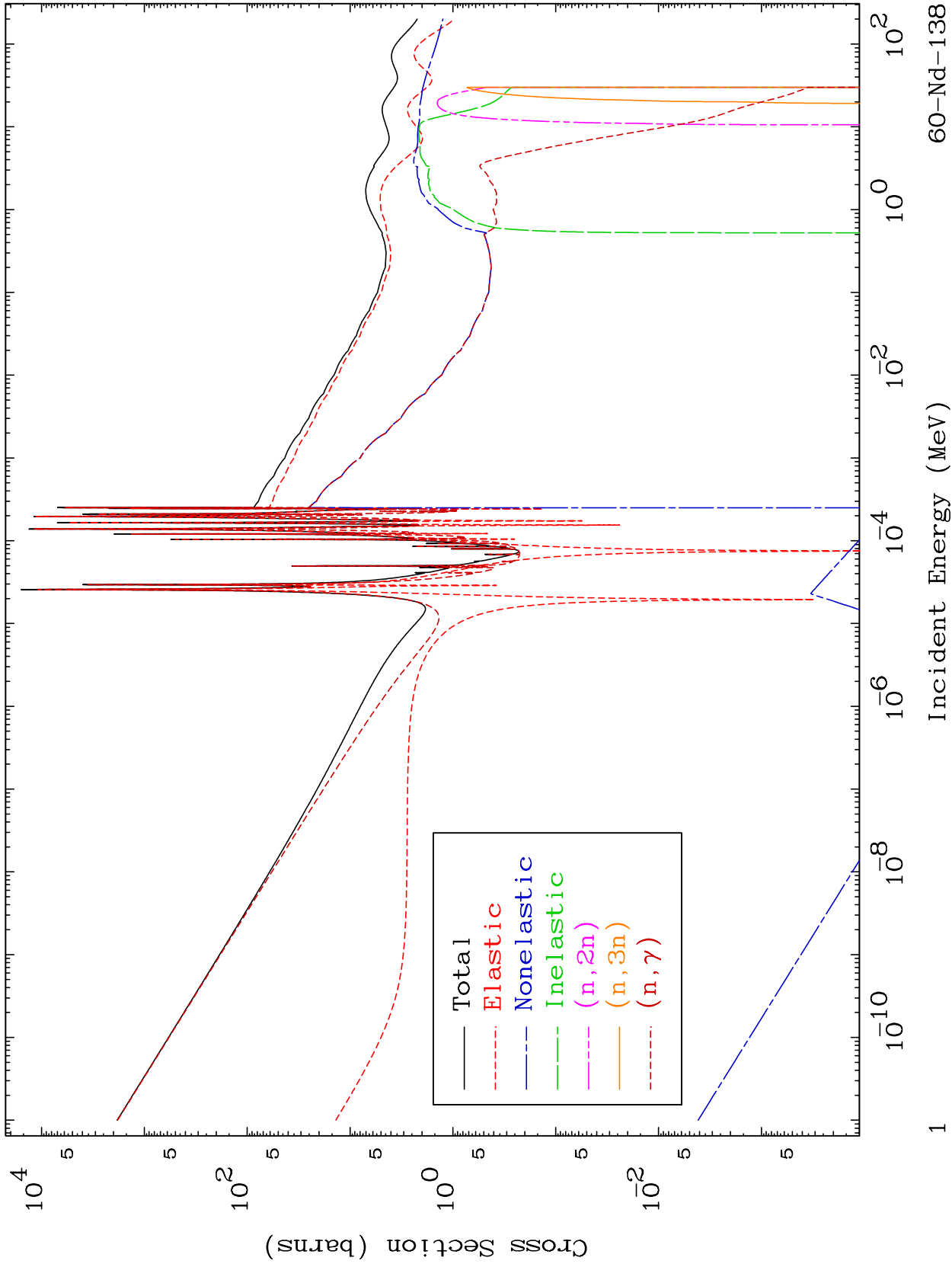
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6013

Neutron Major
293 Kelvin Cross Sections

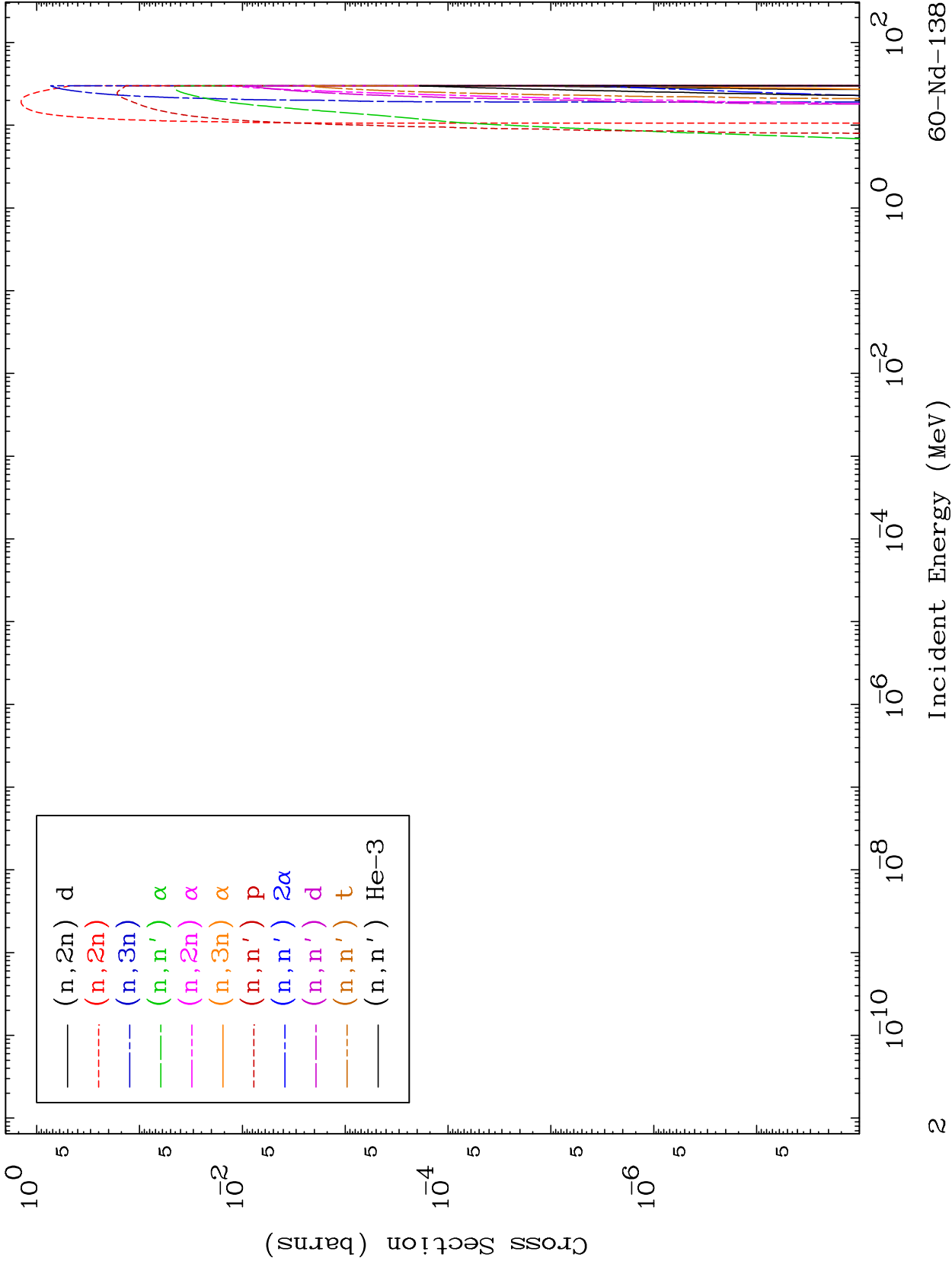
60-Nd-138



MAT 6013

Neutron Absorption
293 Kelvin Cross Sections

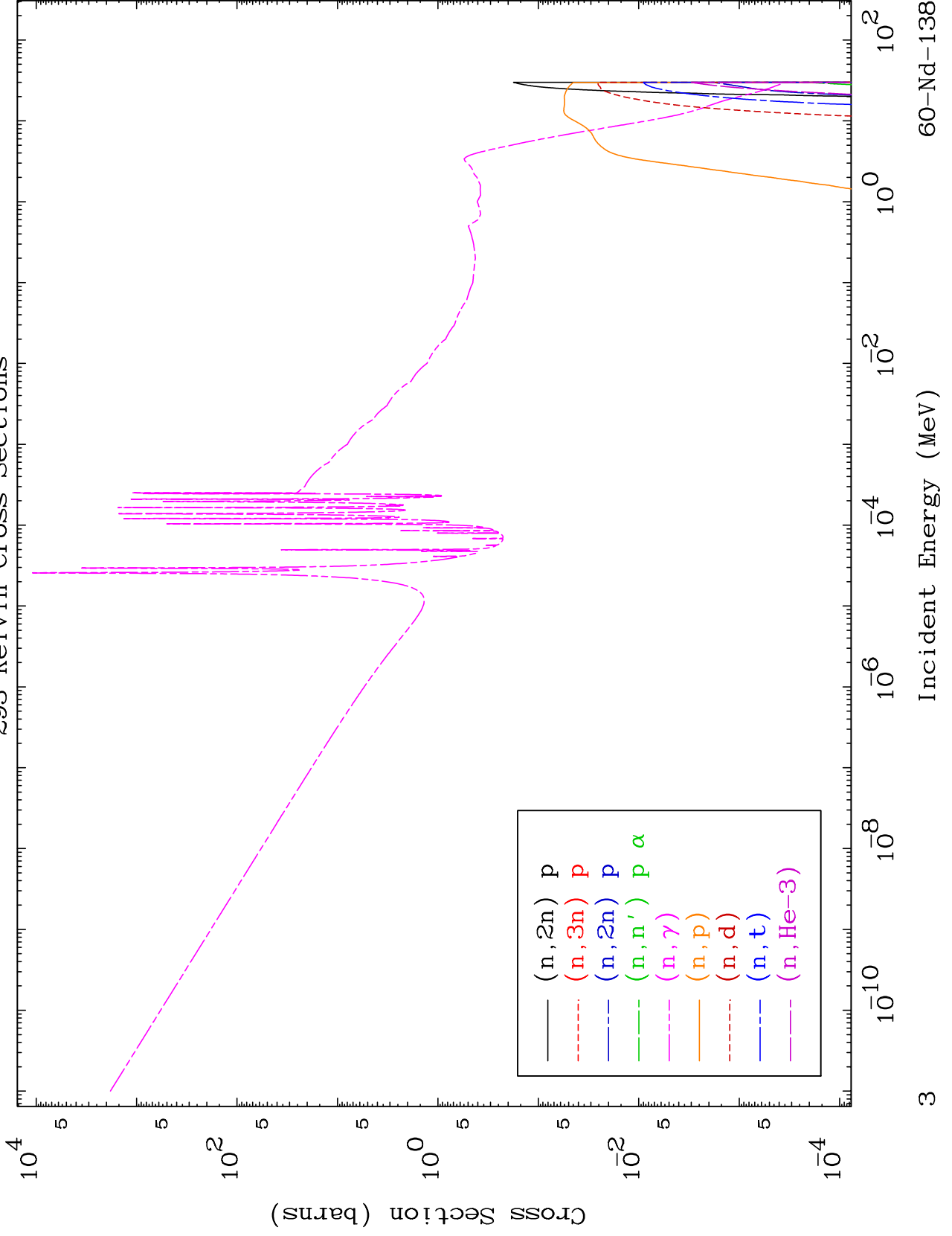
60-Nd-138



MAT 6013

Neutron Absorption
293 Kelvin Cross Sections

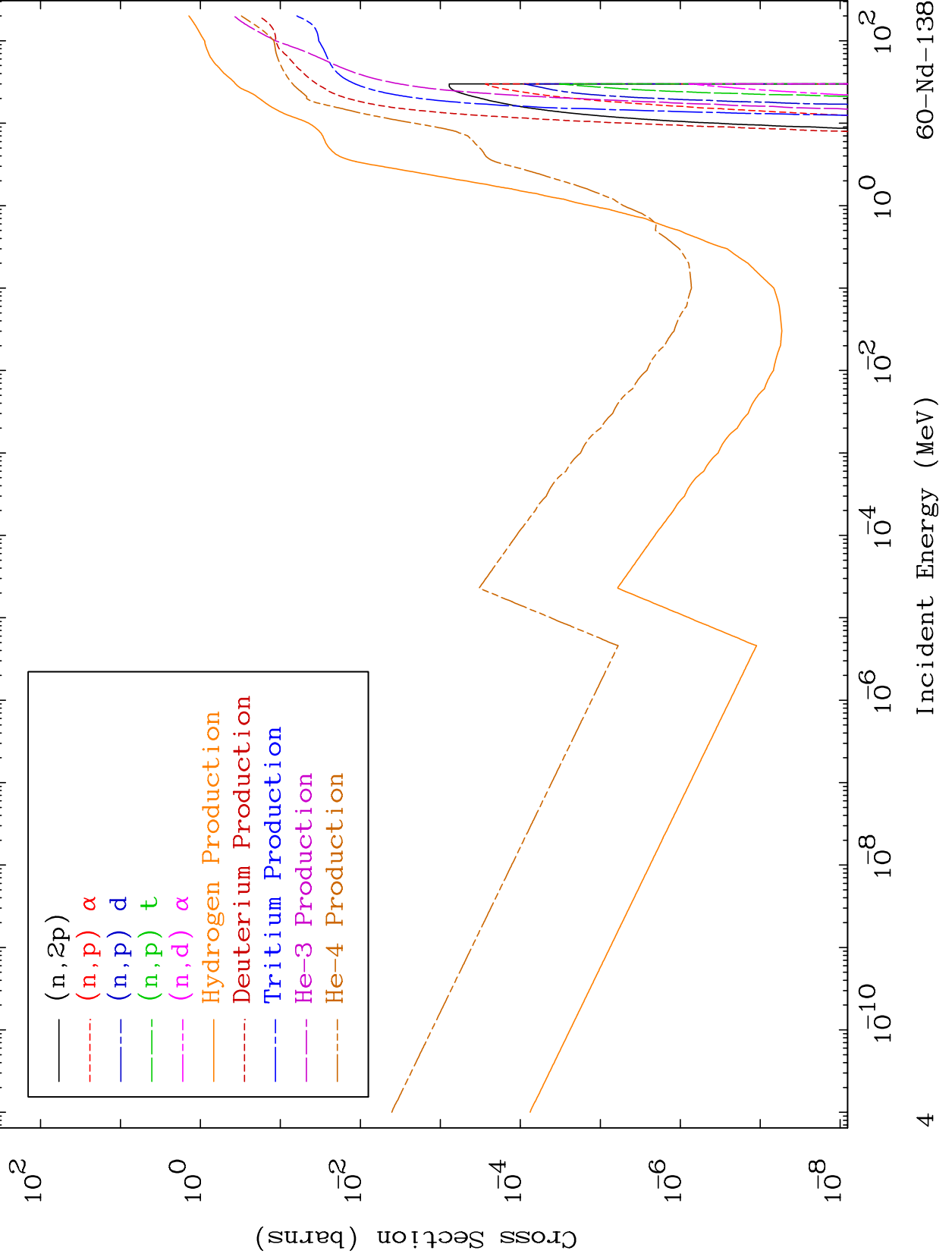
60-Nd-138



MAT 6013

Neutron Absorption
293 Kelvin Cross Sections

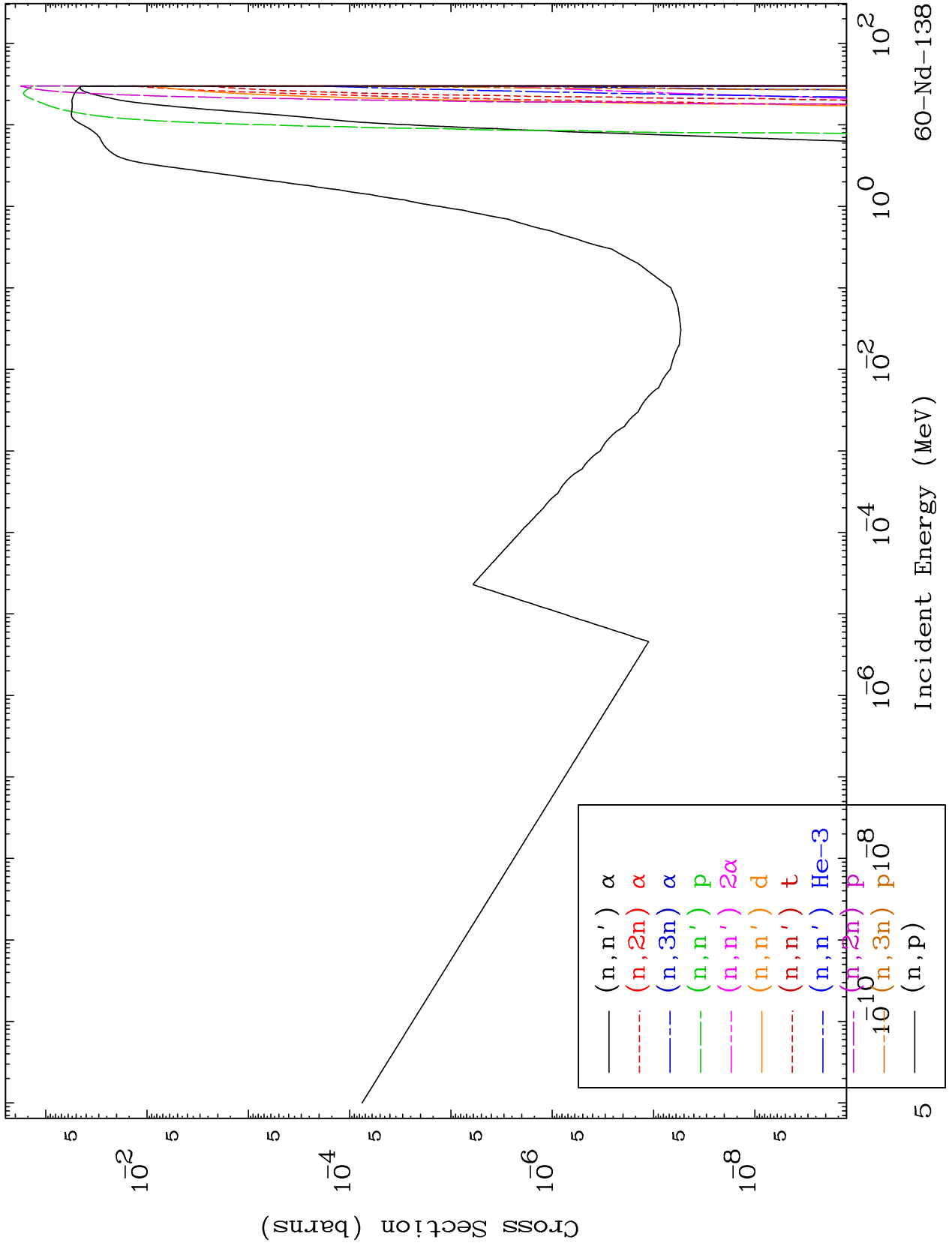
60-Nd-138



MAT 6013

Charged Particle
293 Kelvin Cross Sections

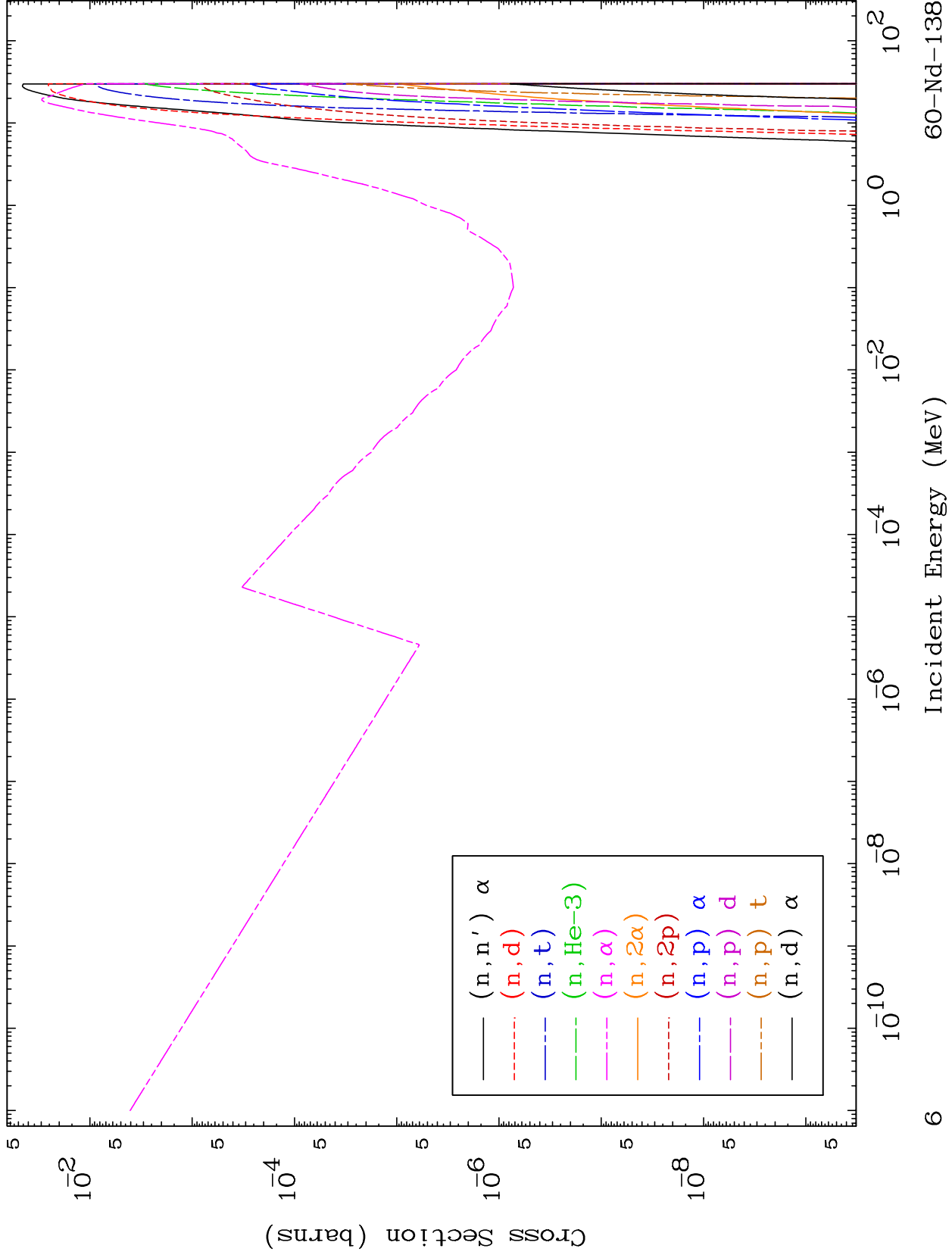
60-Nd-138



MAT 6013

Charged Particle
293 Kelvin Cross Sections

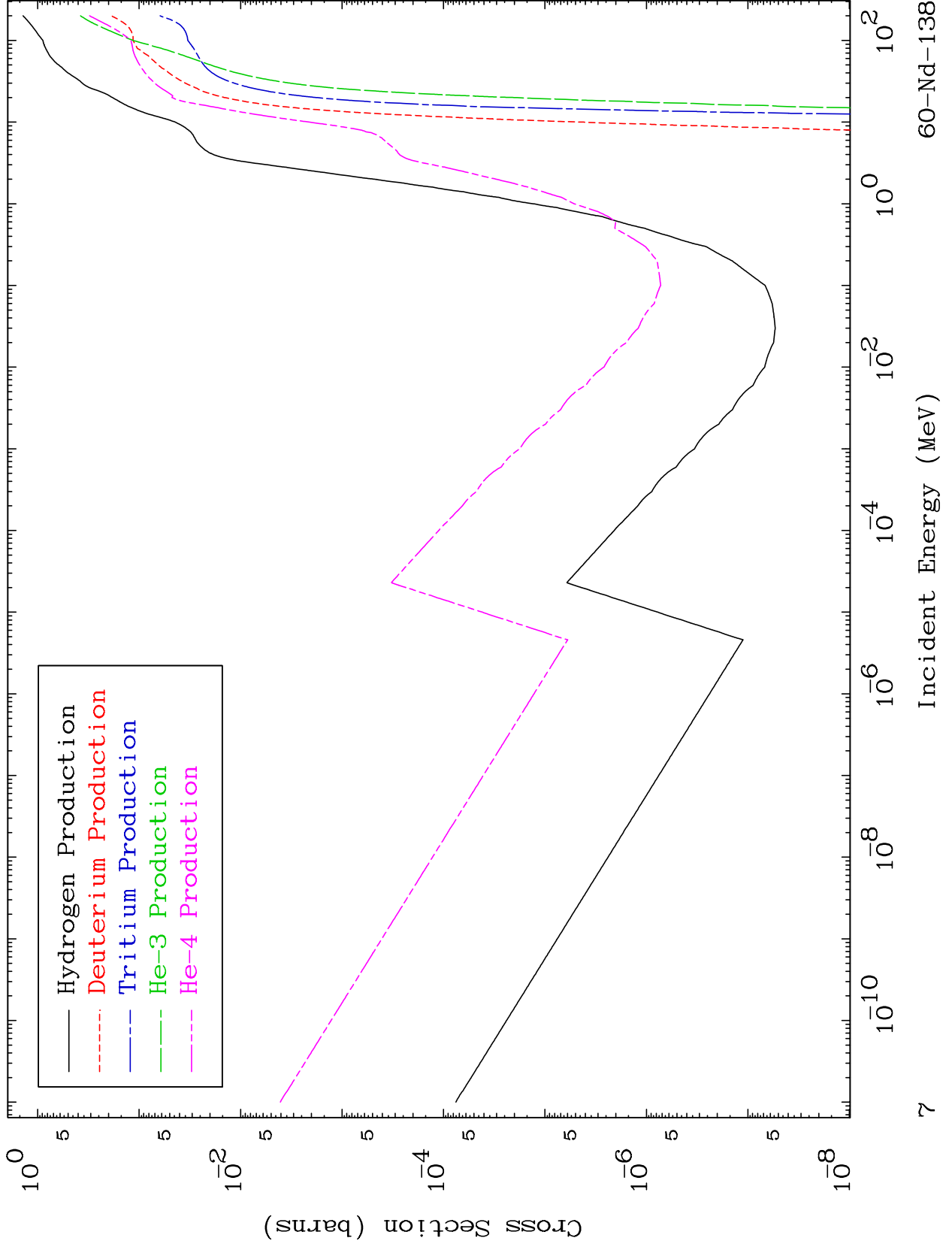
60-Nd-138



MAT 6013

Particle Production
293 Kelvin Cross Sections

60-Nd-138

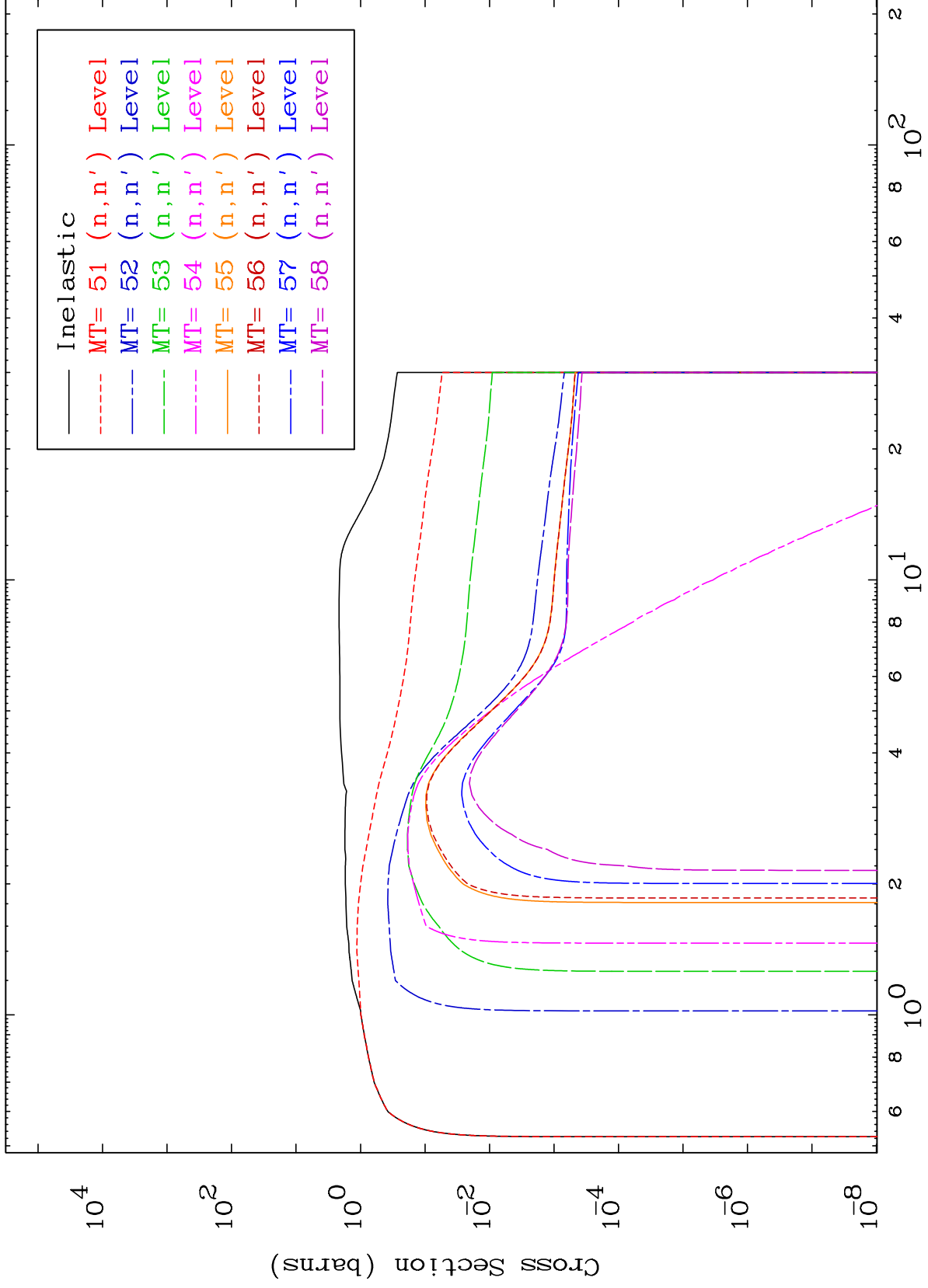


MAT 6013

(n,n') Levels

60-Nd-138

293 Kelvin Cross Sections



8

Incident Energy (MeV)

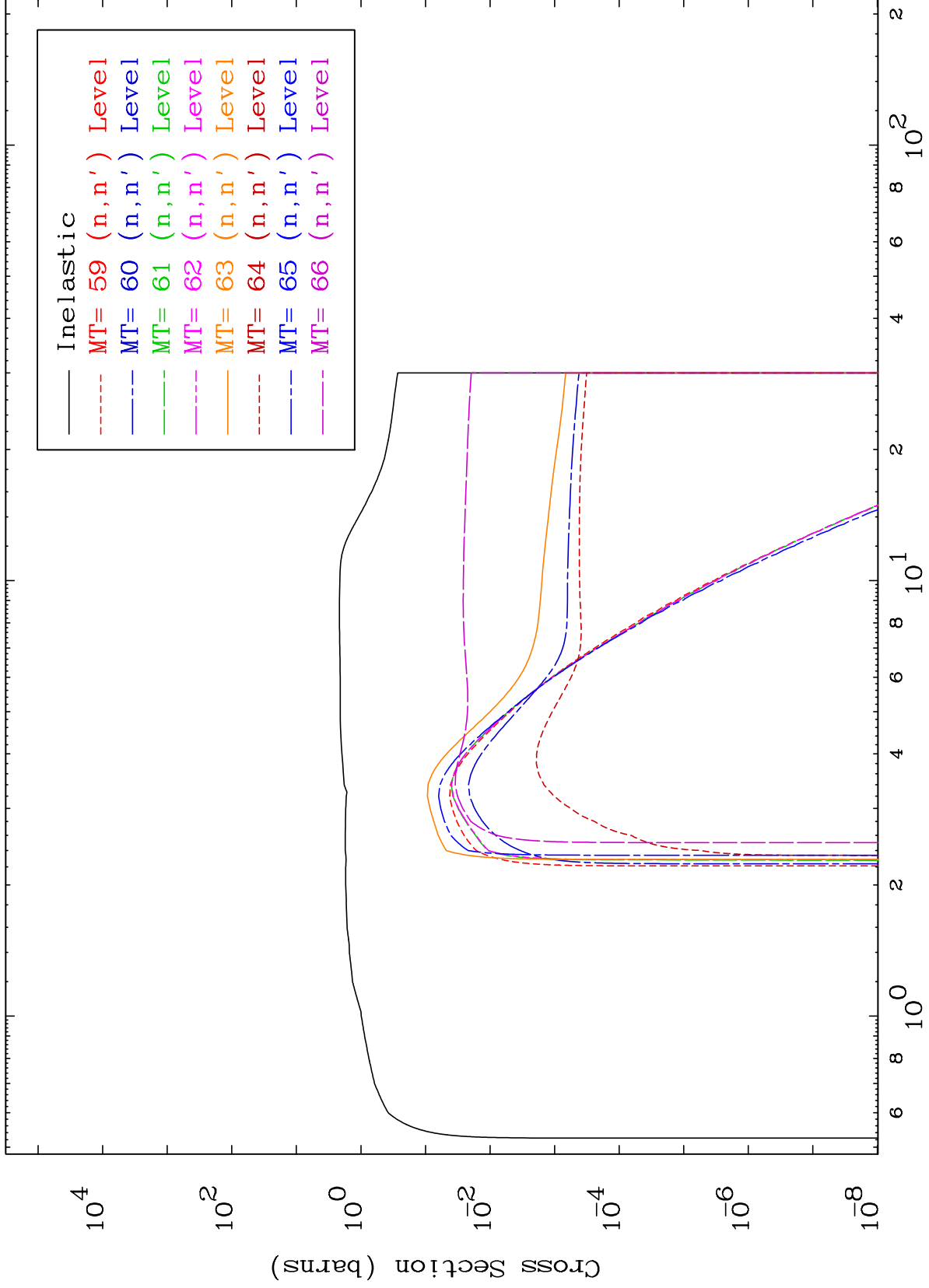
60-Nd-138

MAT 6013

(n,n') Levels

60-Nd-138

293 Kelvin Cross Sections

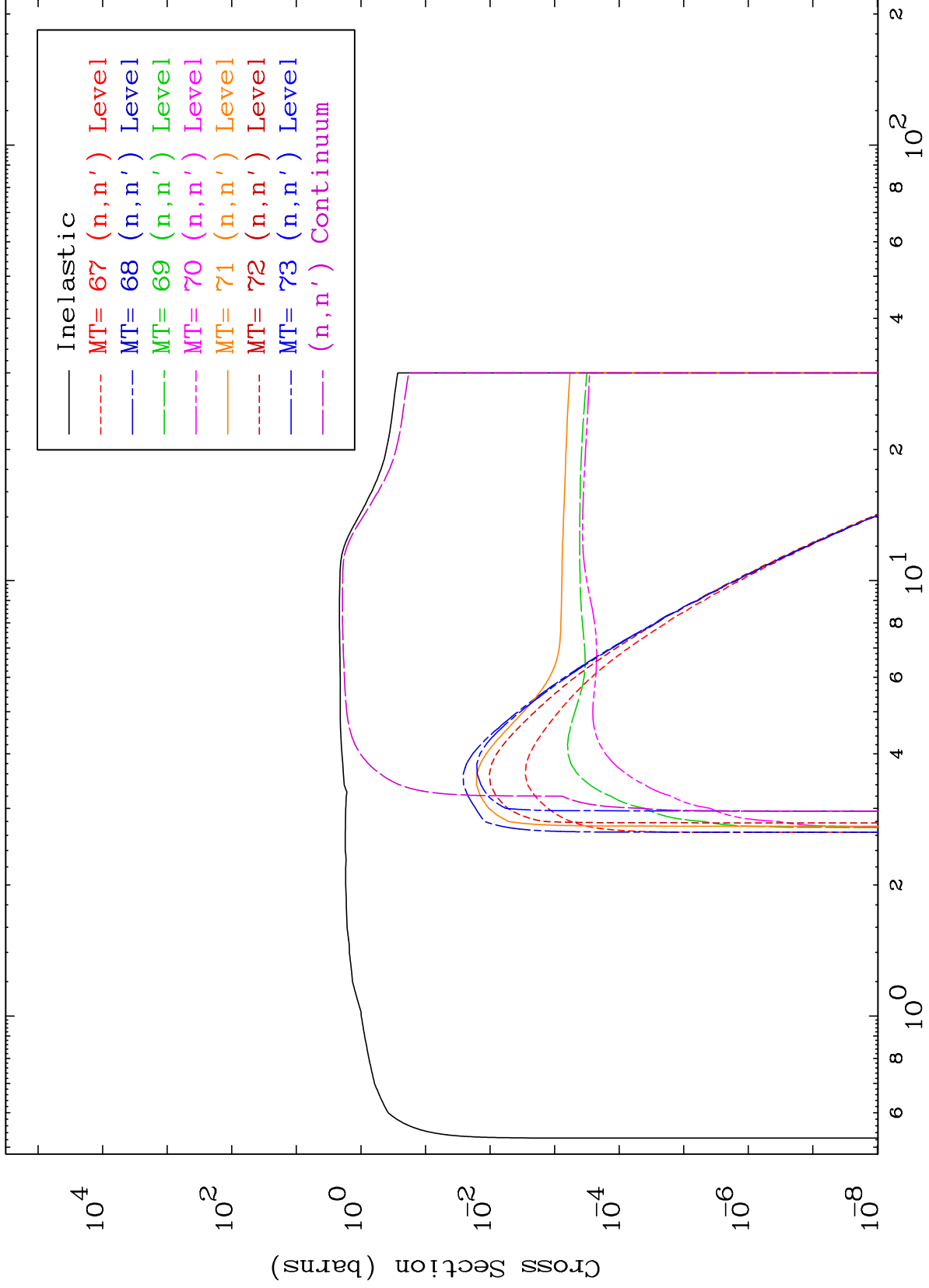


MAT 6013

(n,n') Levels

60-Nd-138

293 Kelvin Cross Sections



10

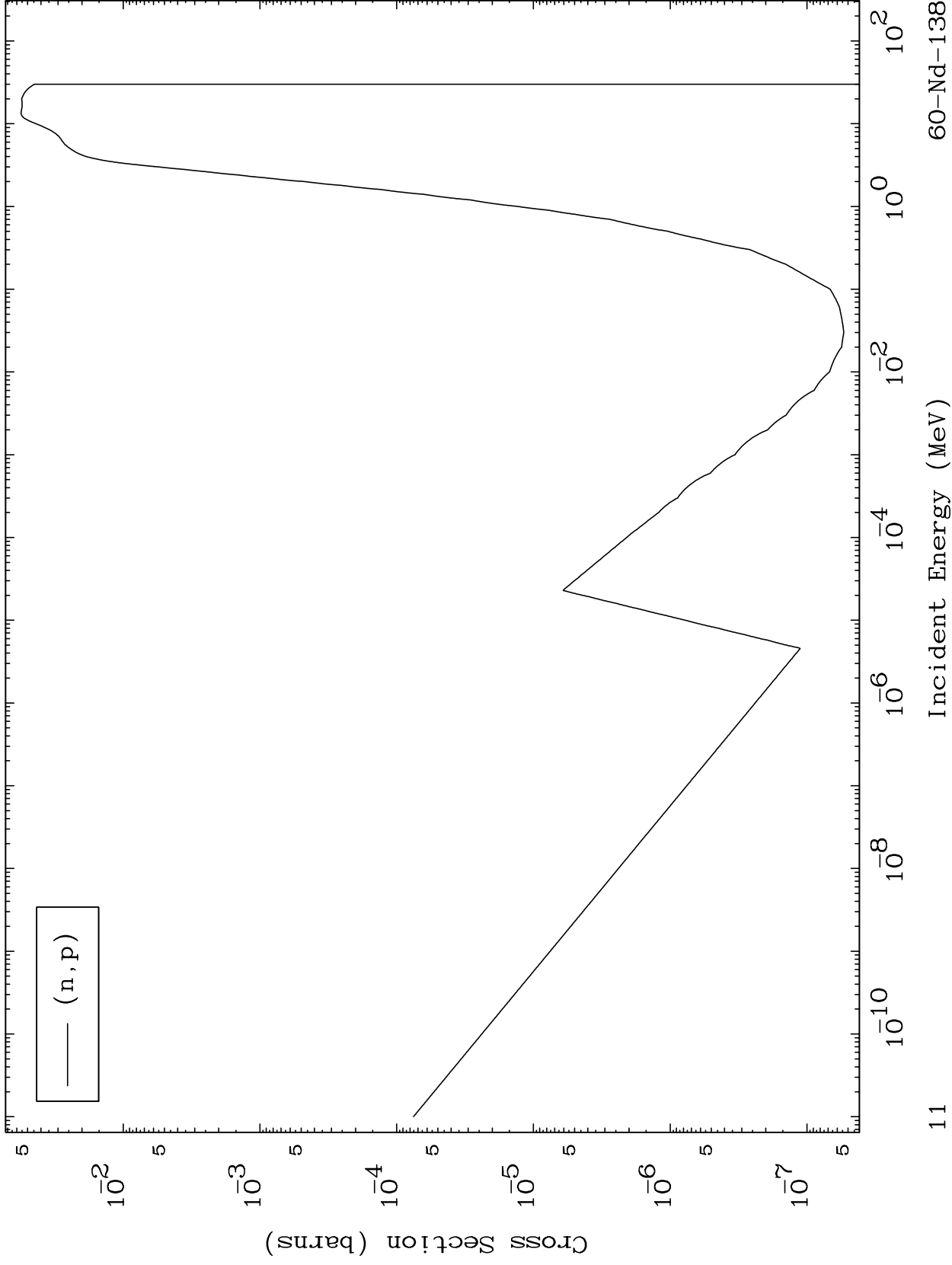
Incident Energy (MeV)

60-Nd-138

MAT 6013

(n,p) Levels
293 Kelvin Cross Sections

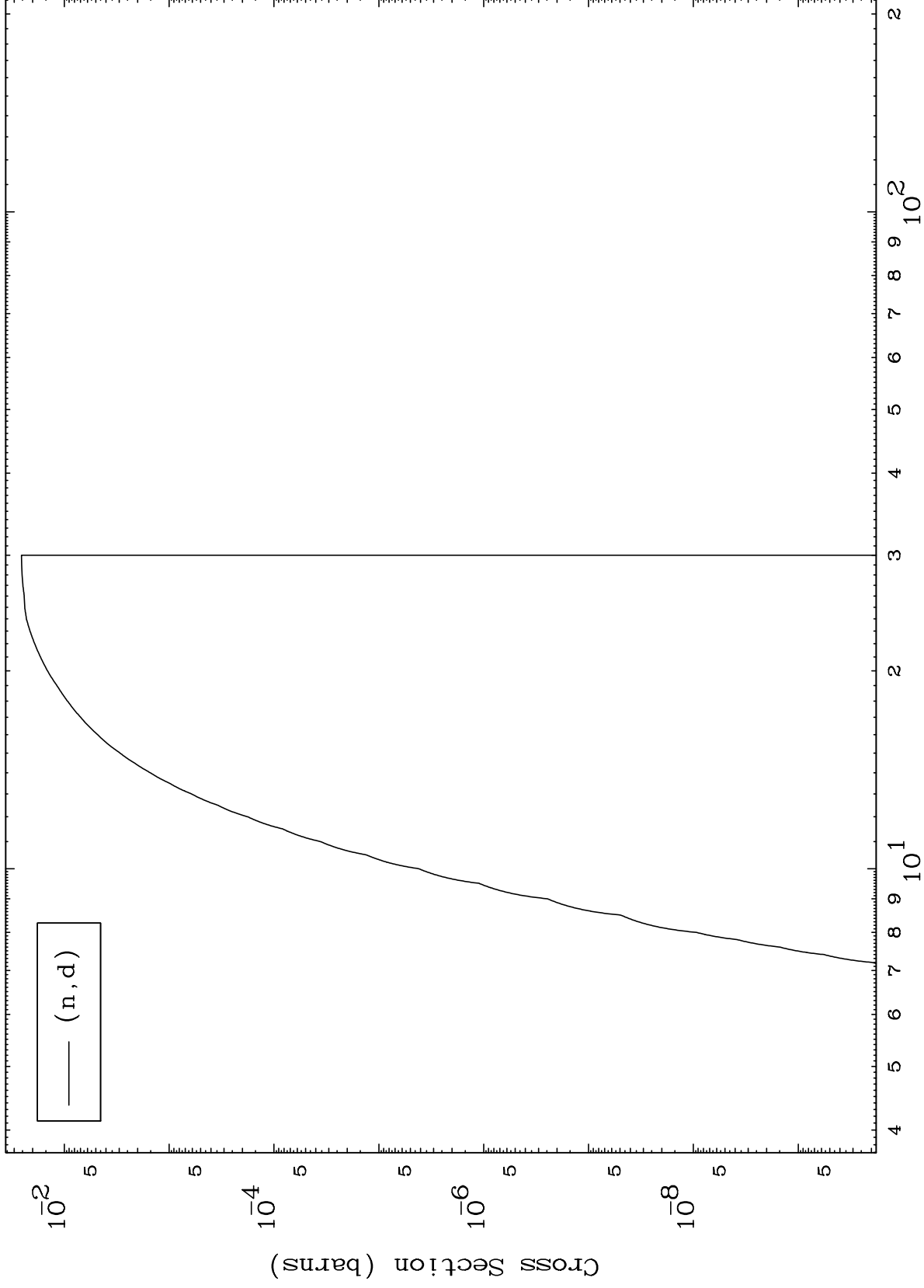
60-Nd-138



MAT 6013

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-138



12

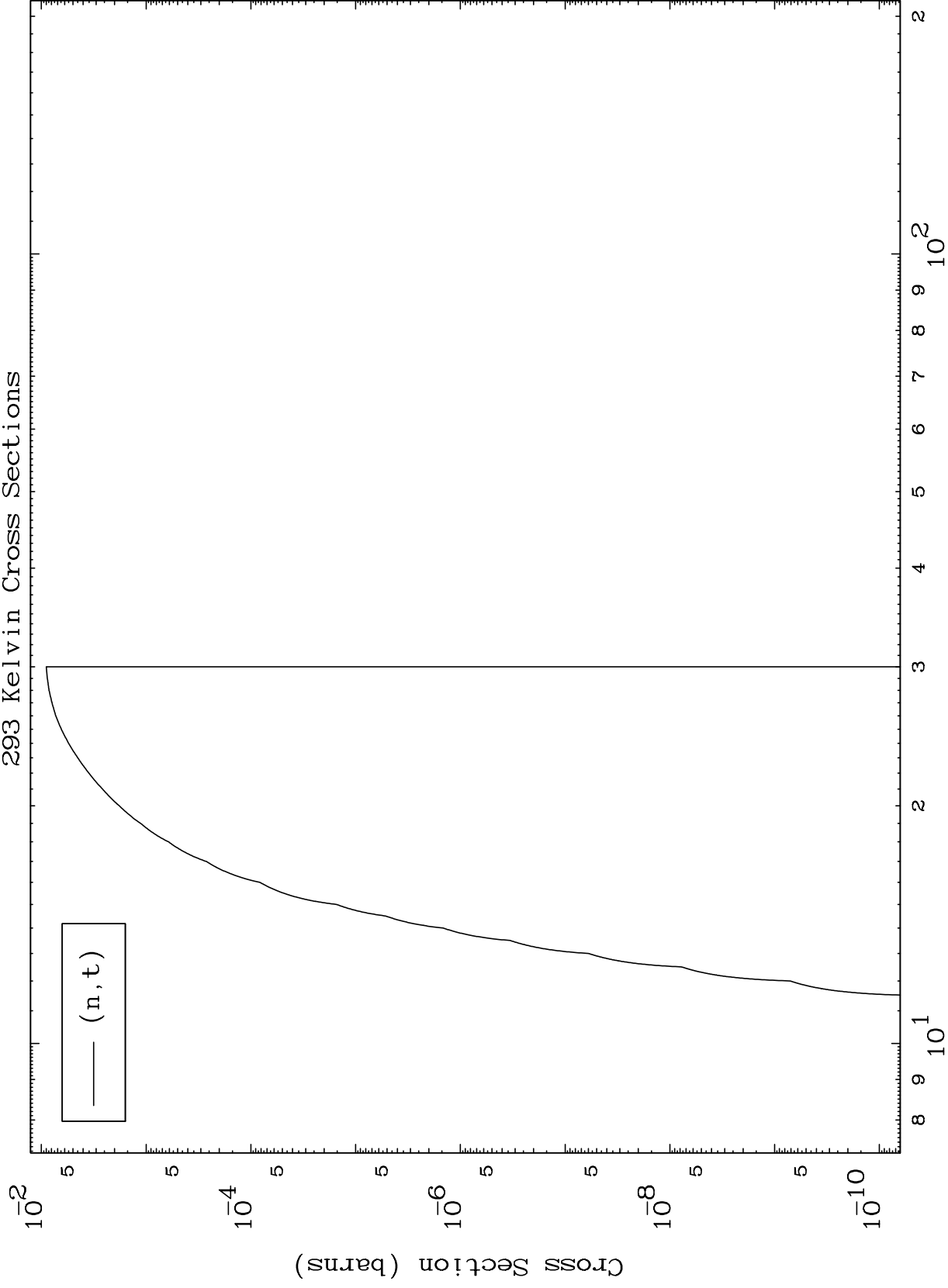
Incident Energy (MeV)

60-Nd-138

MAT 6013

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-138



13

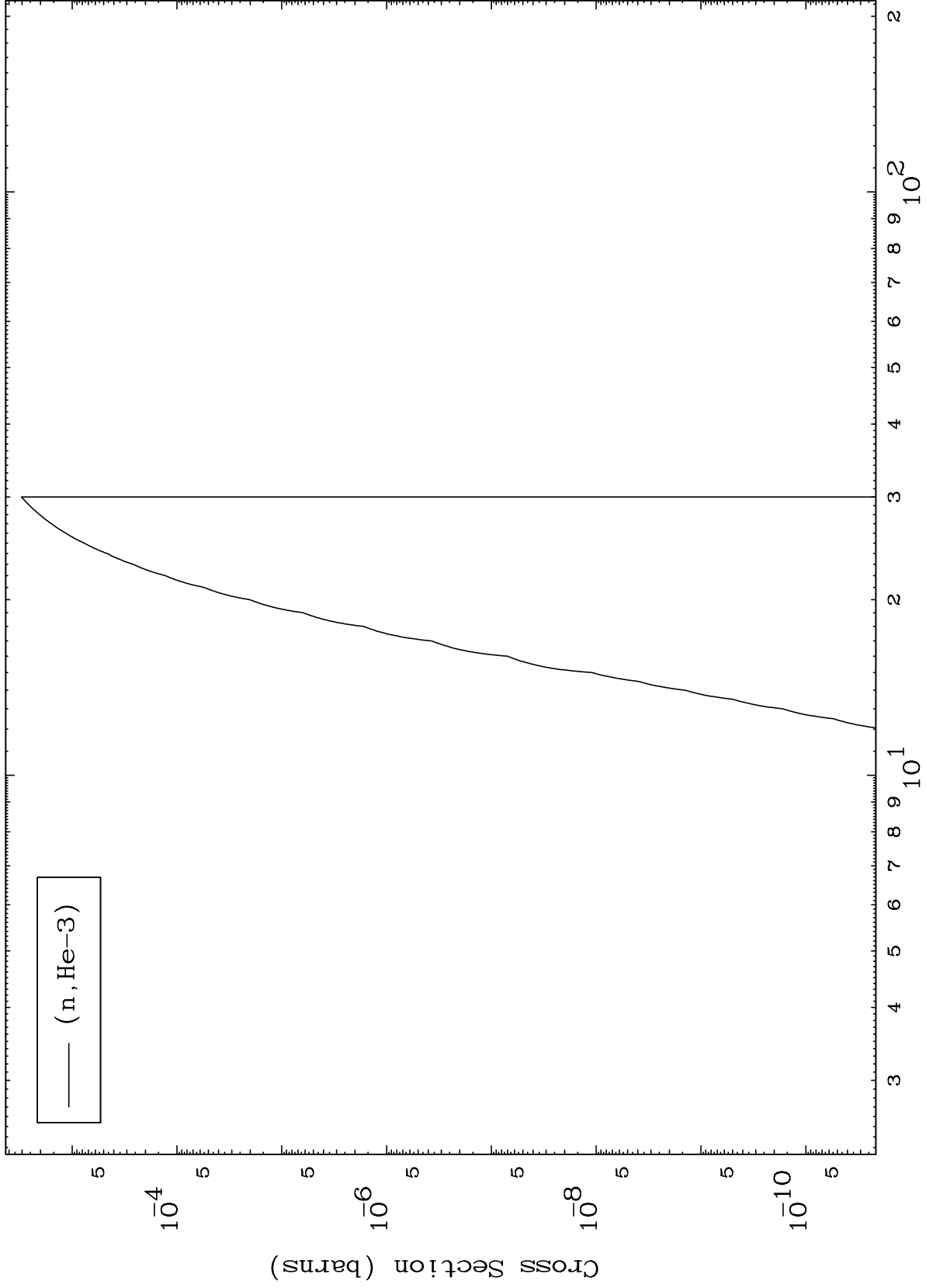
Incident Energy (MeV)

60-Nd-138

MAT 6013

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-138



14

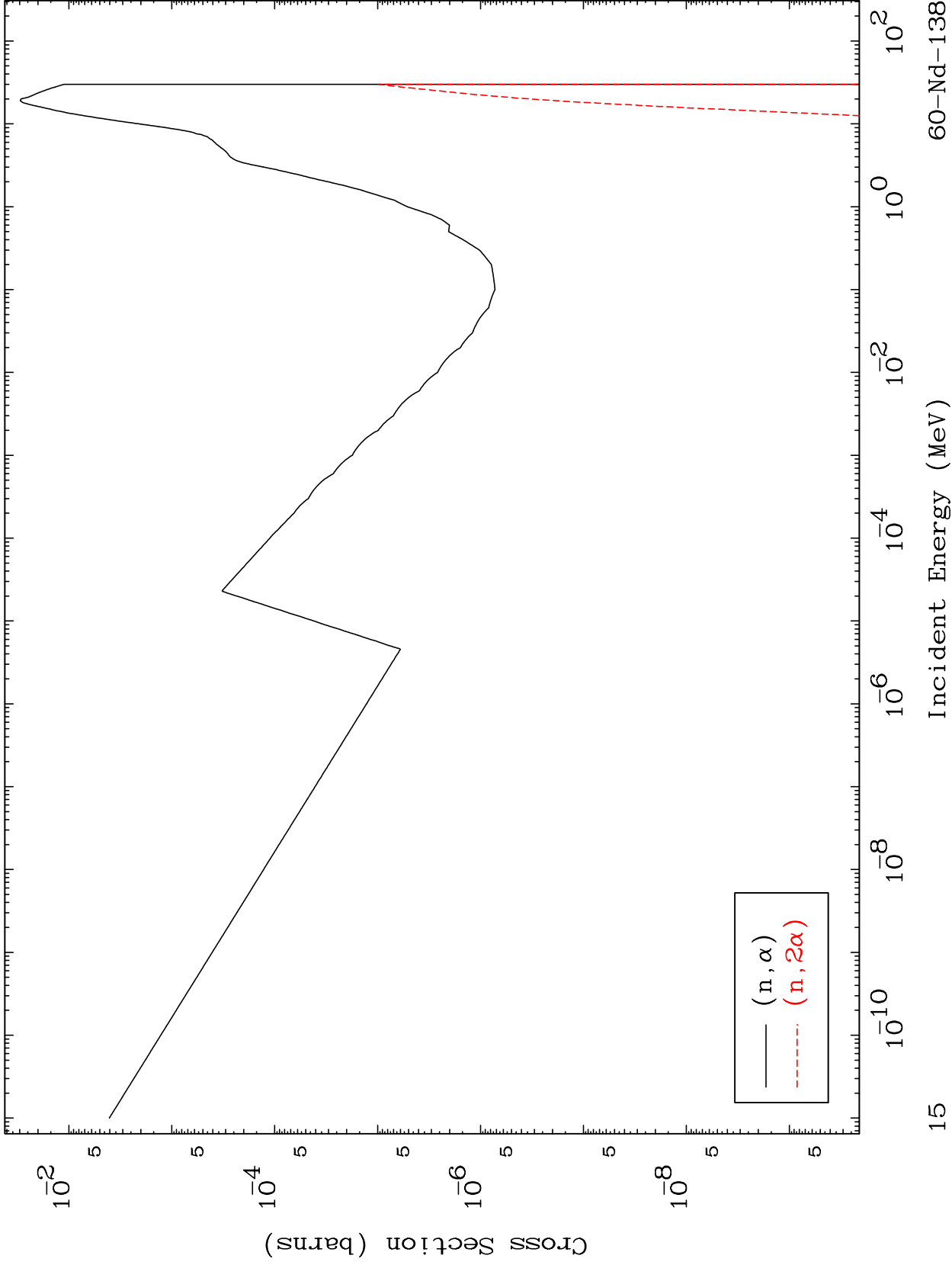
Incident Energy (MeV)

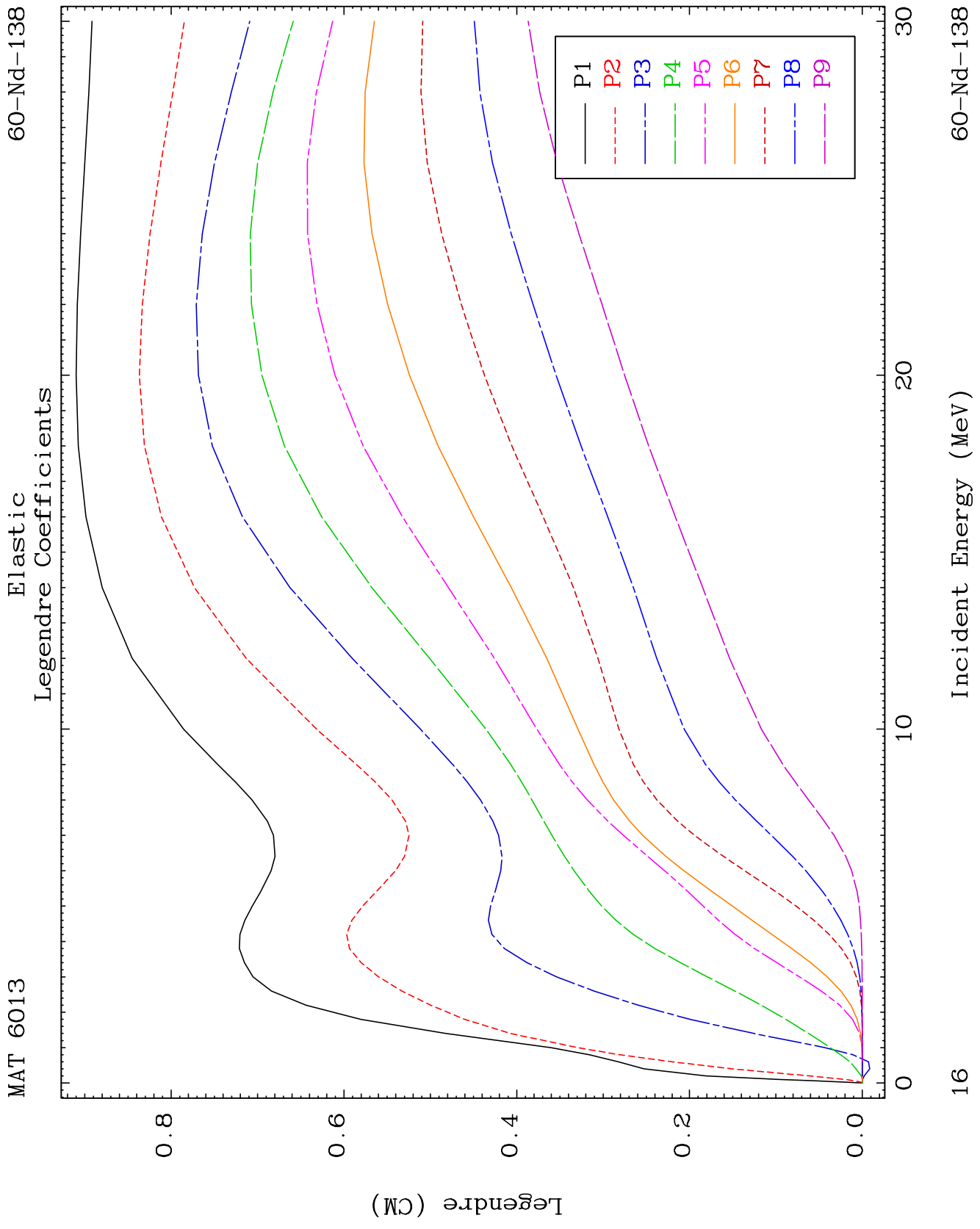
60-Nd-138

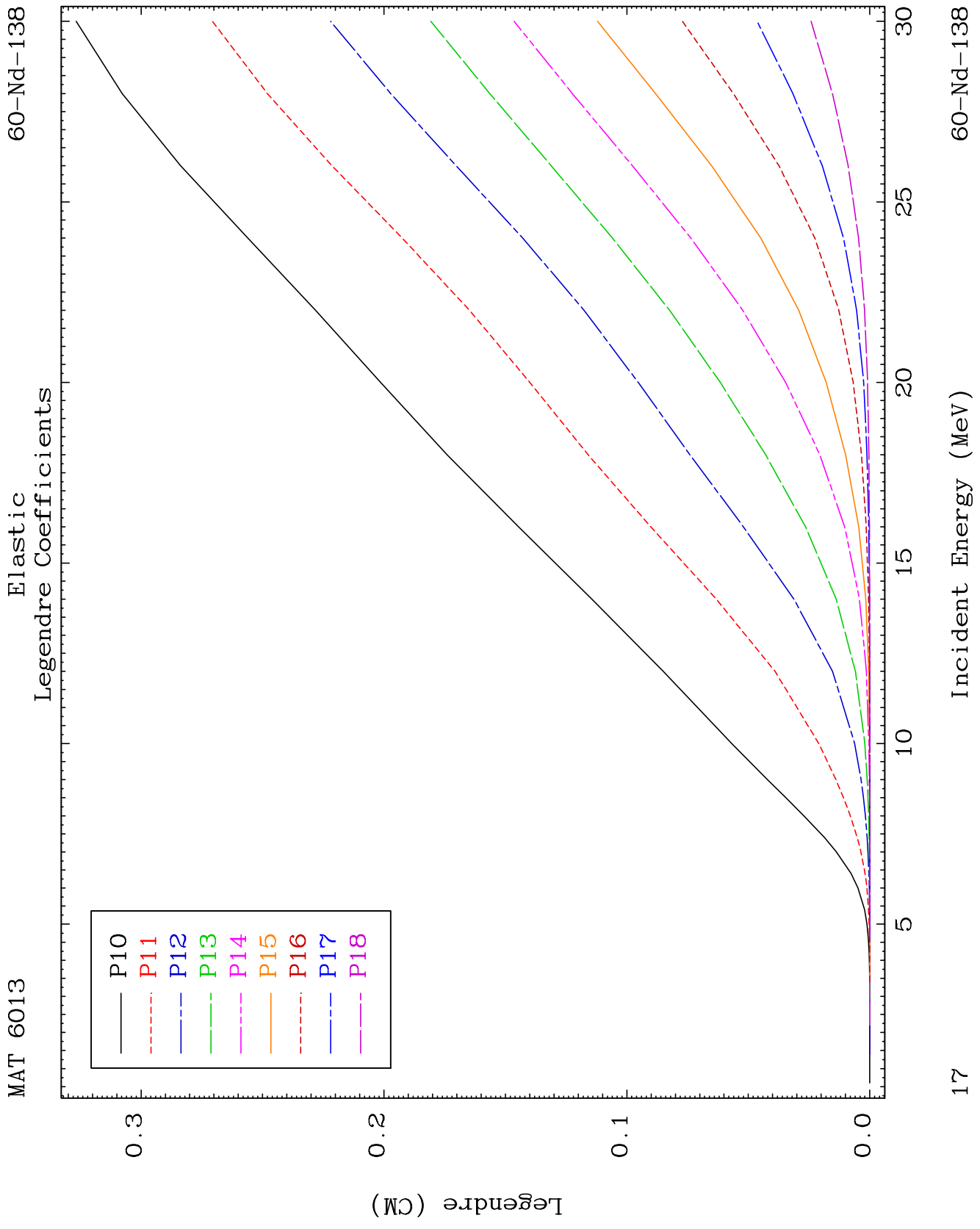
MAT 6013

(n,α) Levels
293 Kelvin Cross Sections

60-Nd-138



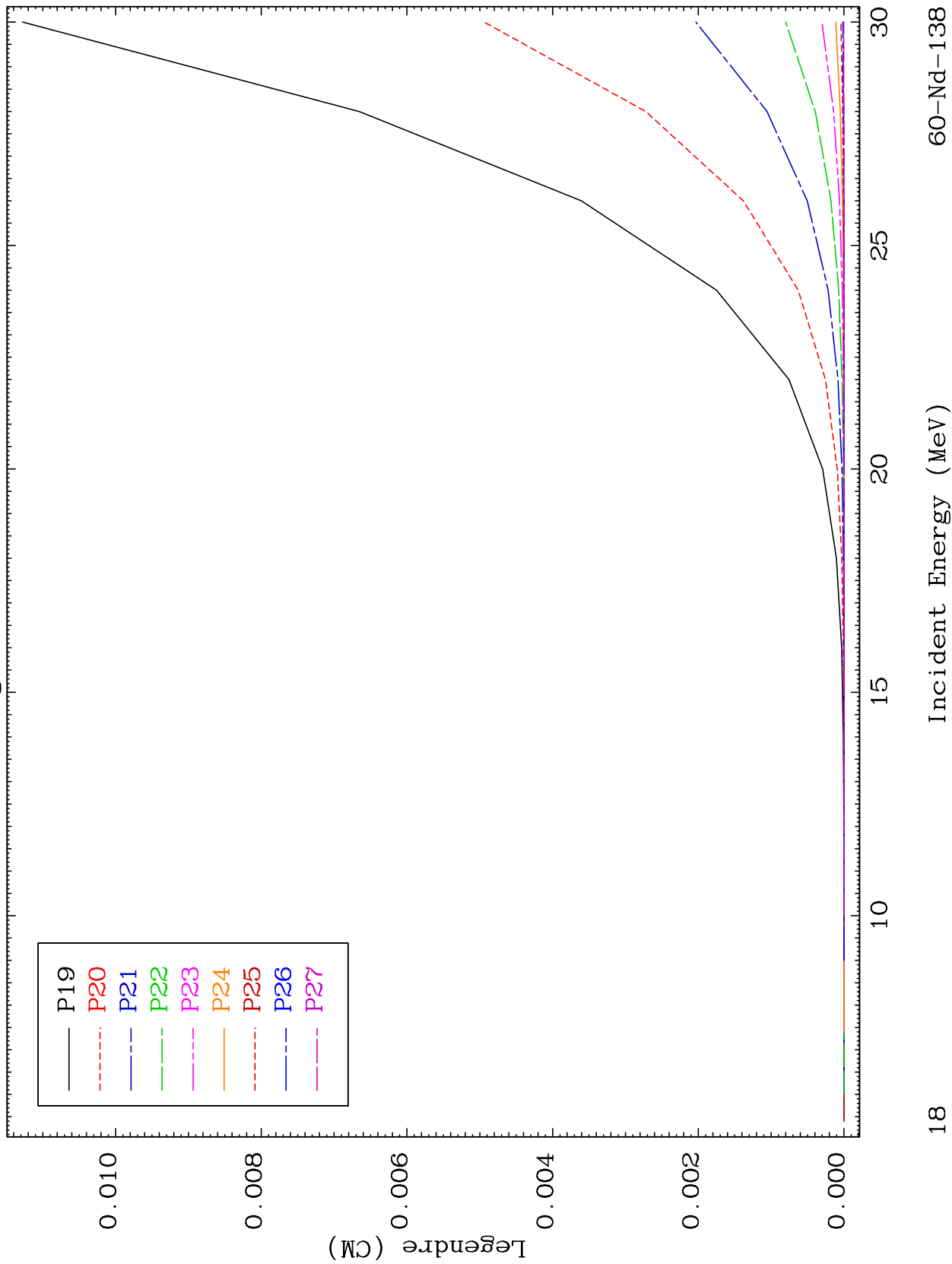




MAT 6013

Elastic Legendre Coefficients

60-Nd-138

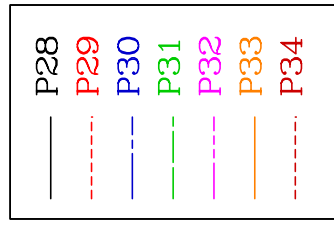


- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

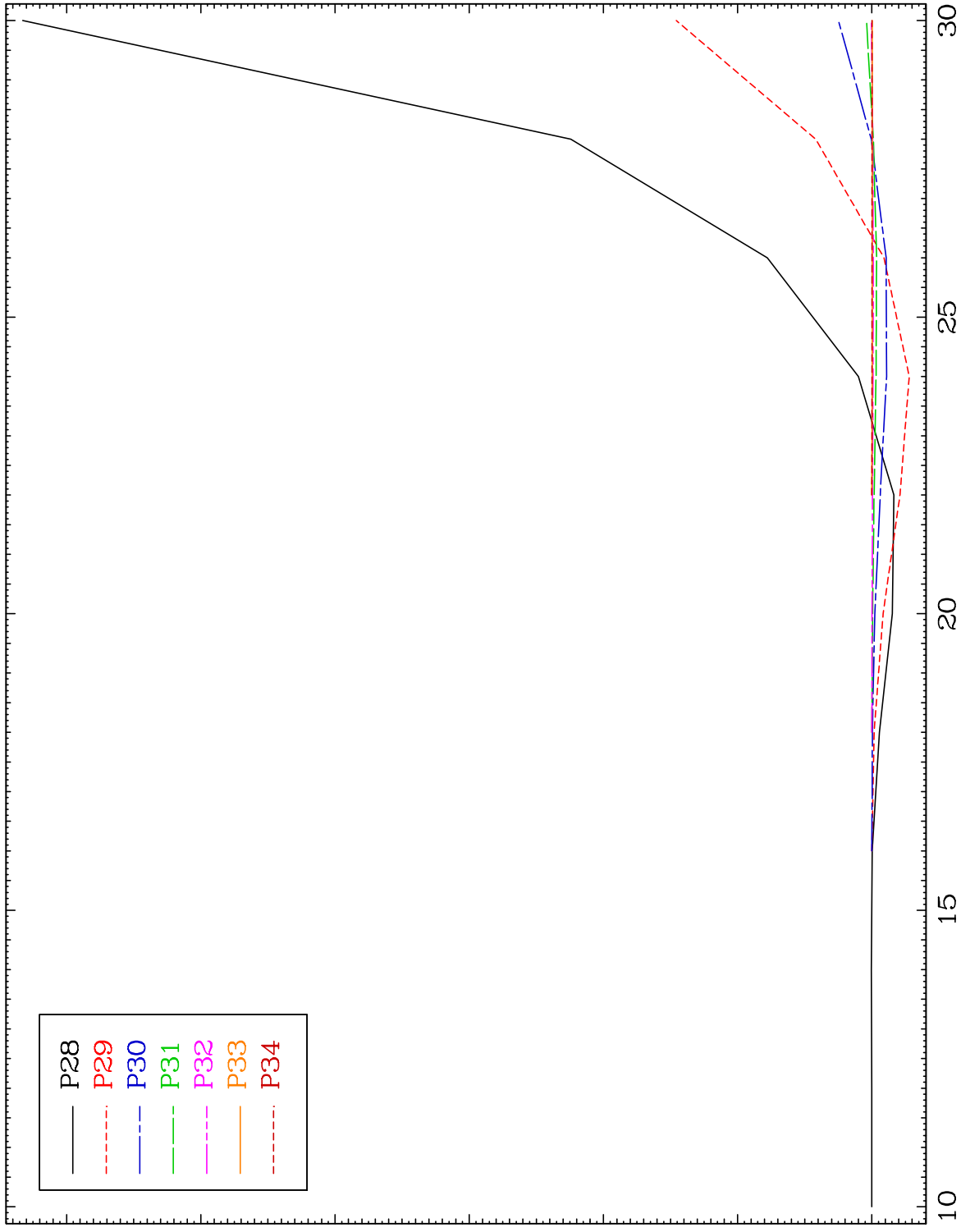
MAT 6013

Elastic
Legendre Coefficients

60-Nd-138



X10⁻⁶
Legendre (CM)



10

Incident Energy (MeV)

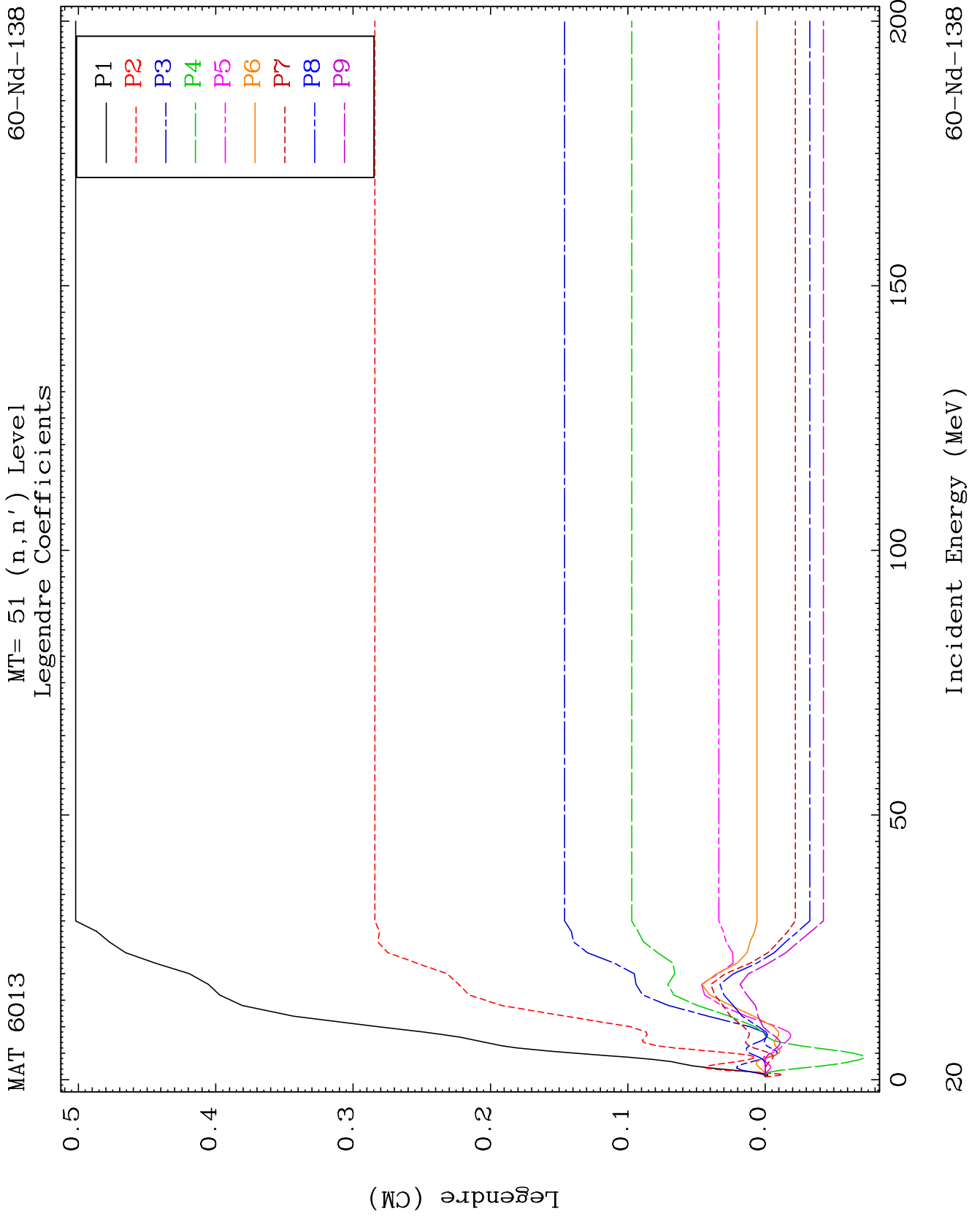
60-Nd-138

15

20

25

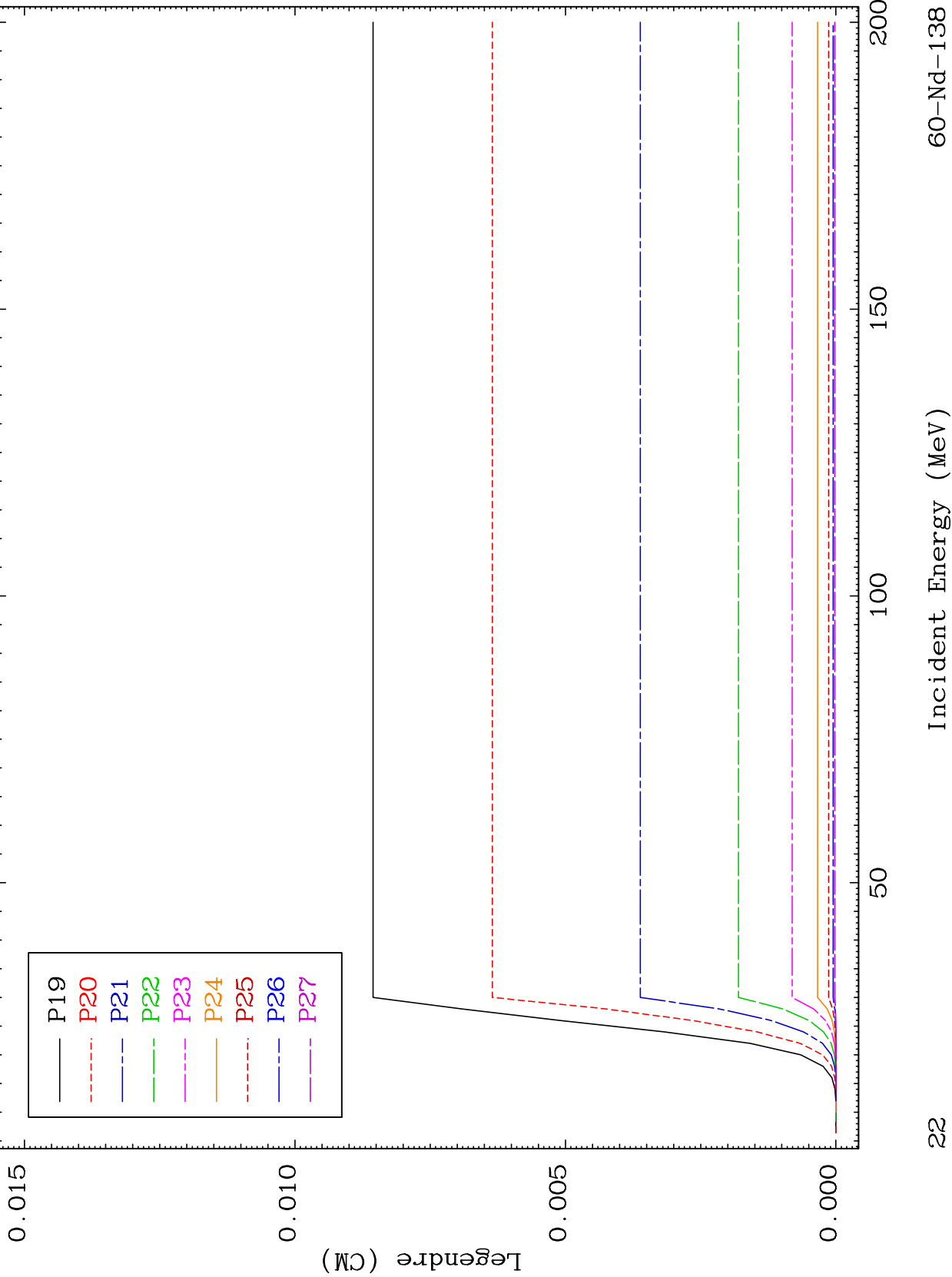
30



MAT 6013

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

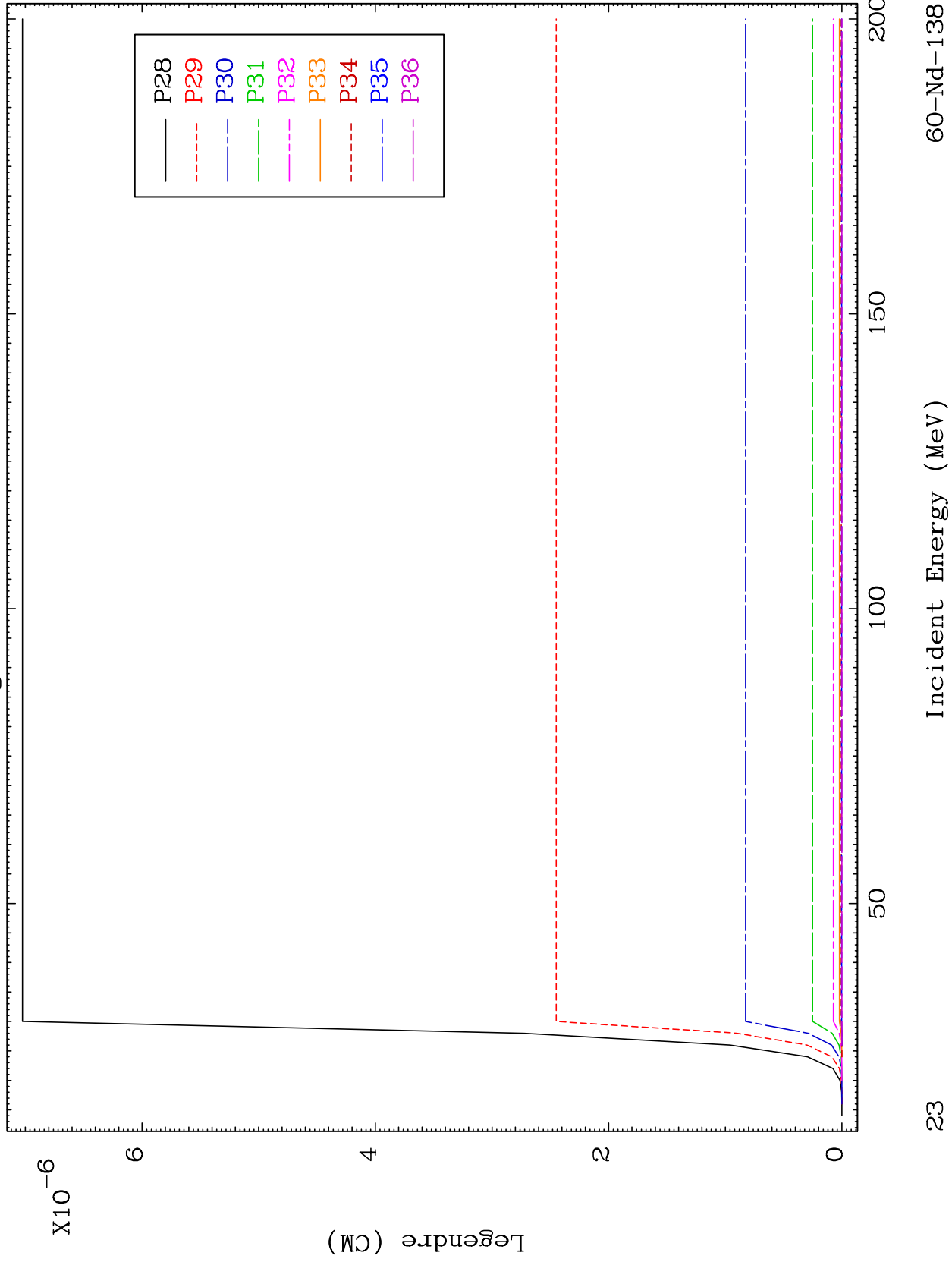
60-Nd-138



MAT 6013

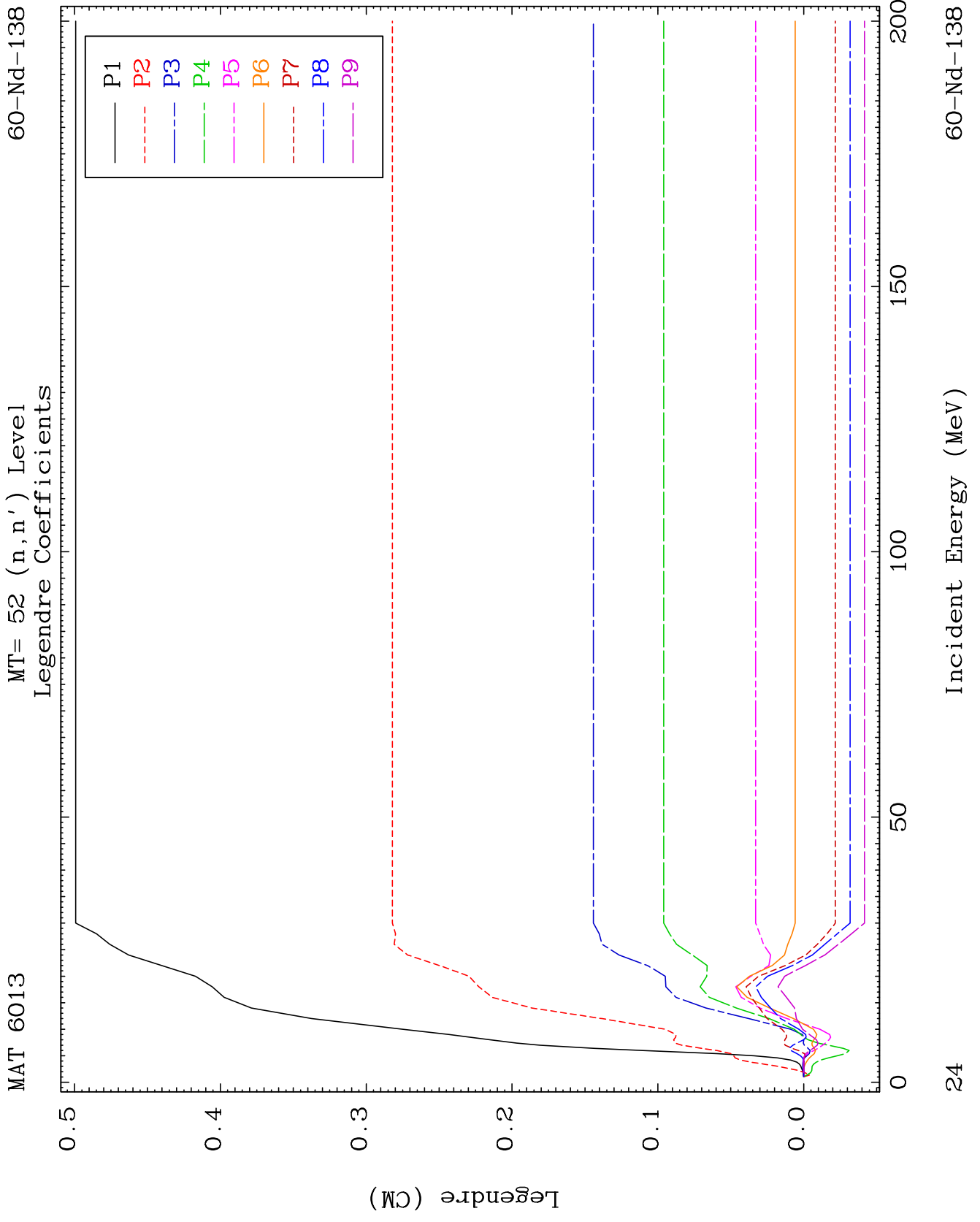
MT= 51 (n,n') Level
Legendre Coefficients

60-Nd-138



23

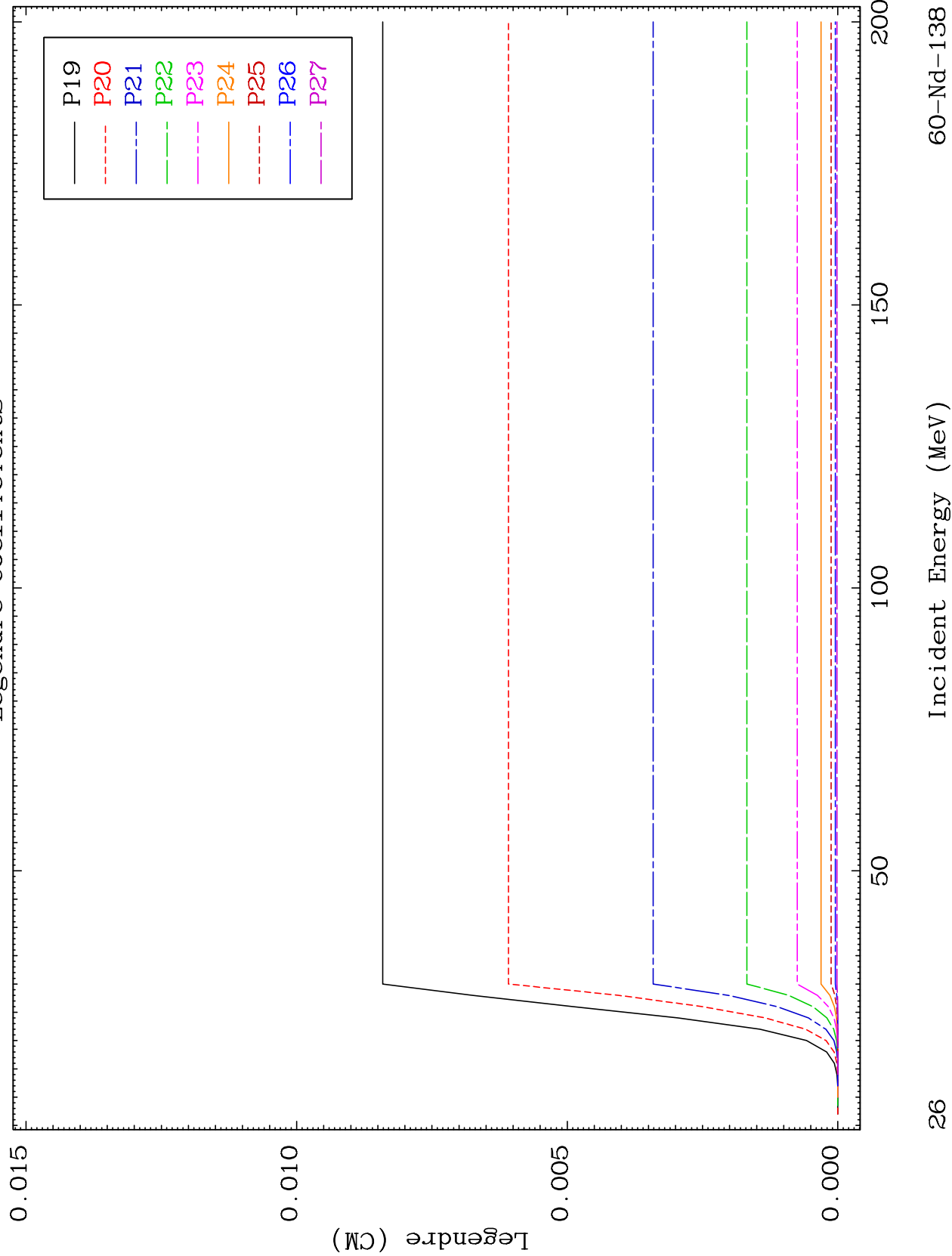
60-Nd-138



MAT 6013

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

60-Nd-138



26

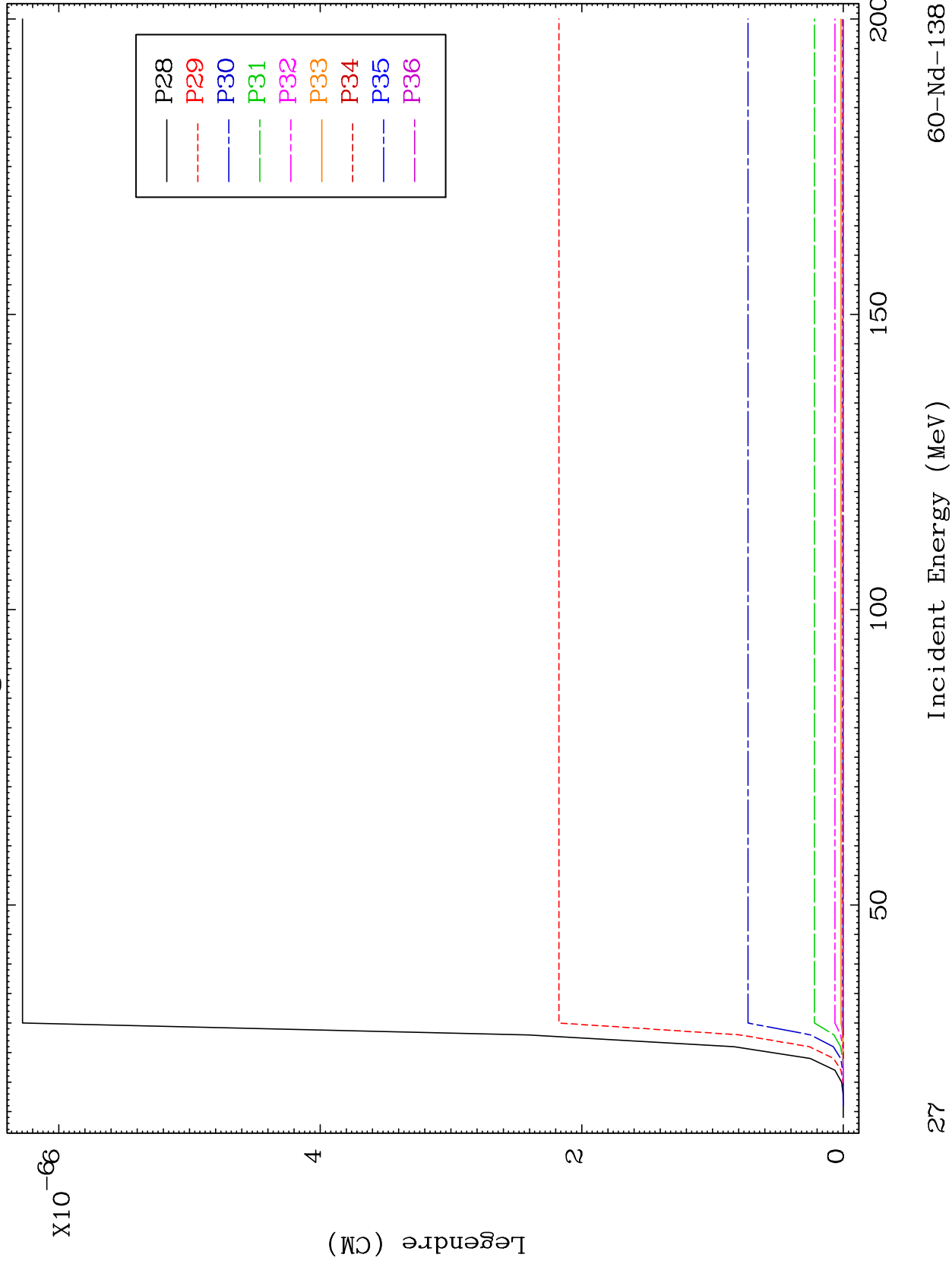
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

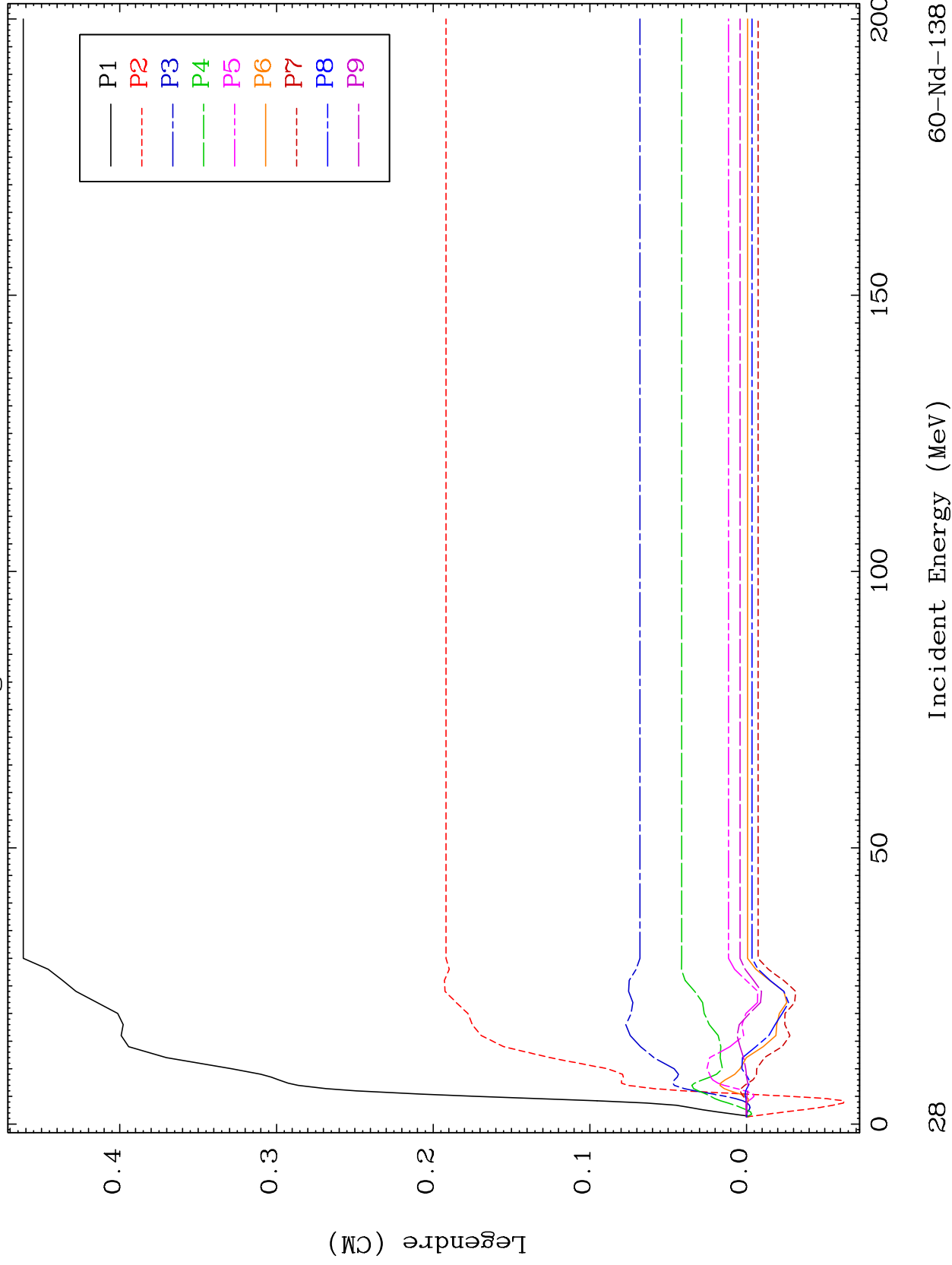
60-Nd-138



MAT 6013

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

60-Nd-138



60-Nd-138

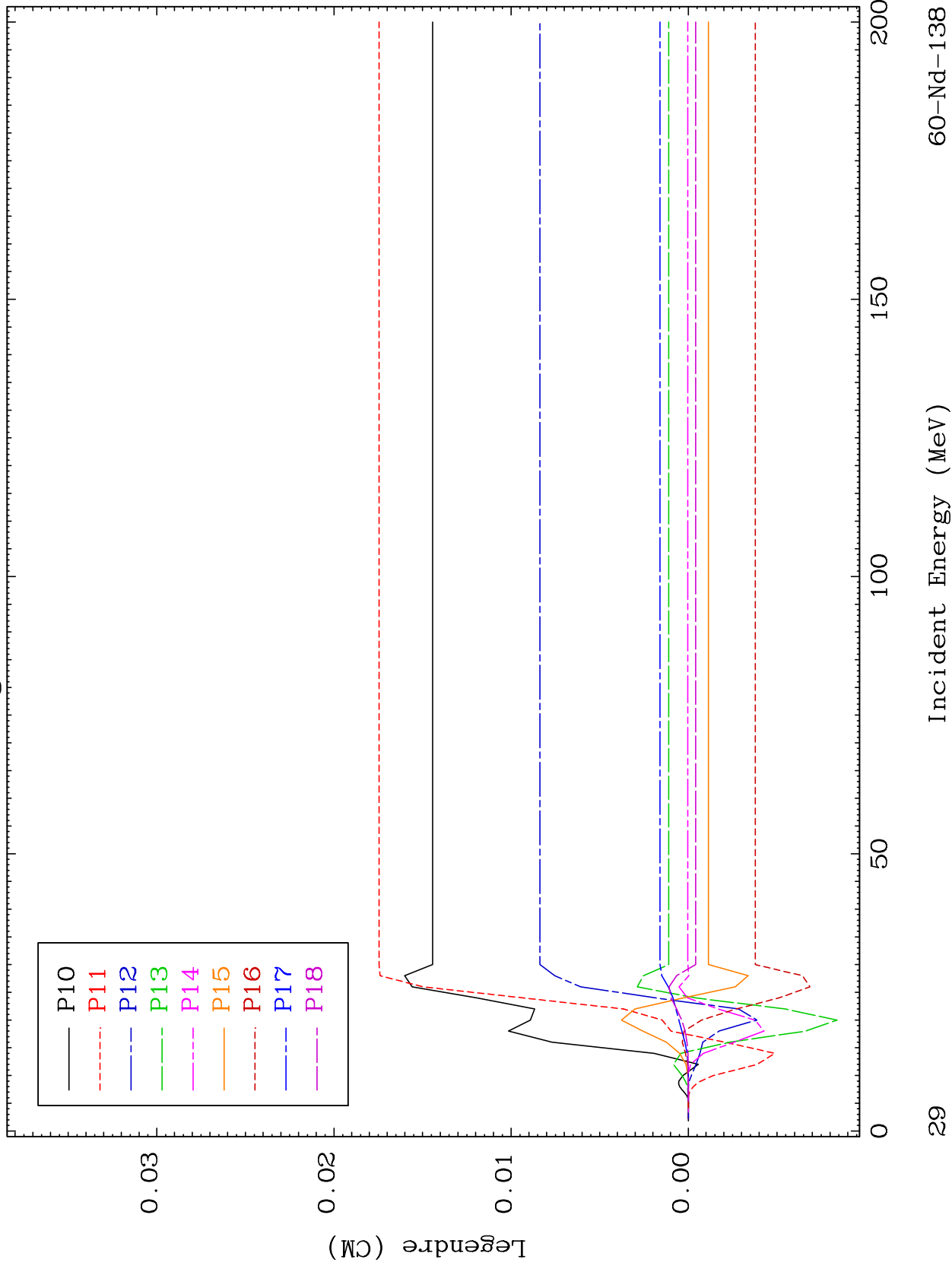
Incident Energy (MeV)

28

MAT 6013

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

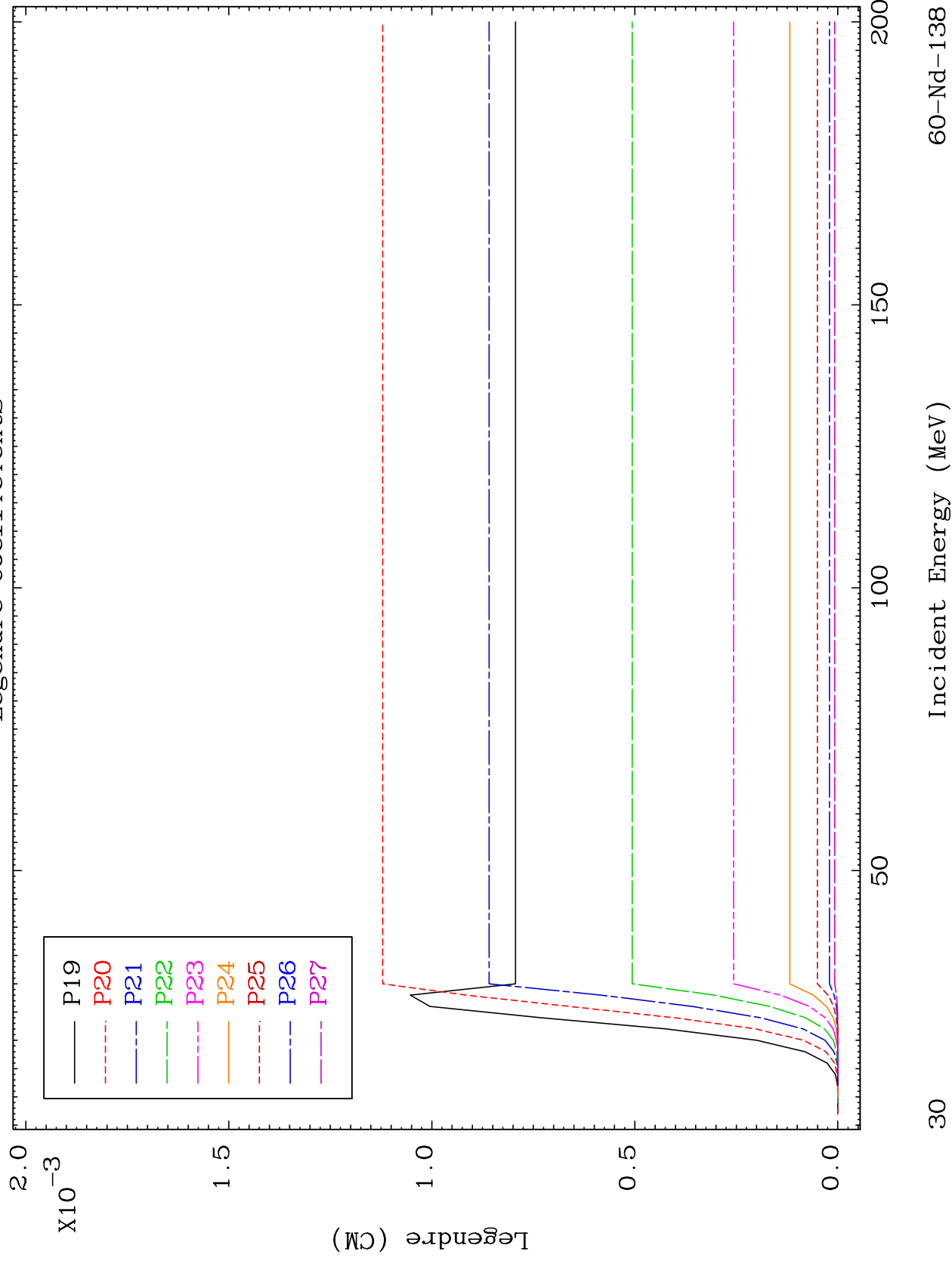
60-Nd-138



MAT 6013

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

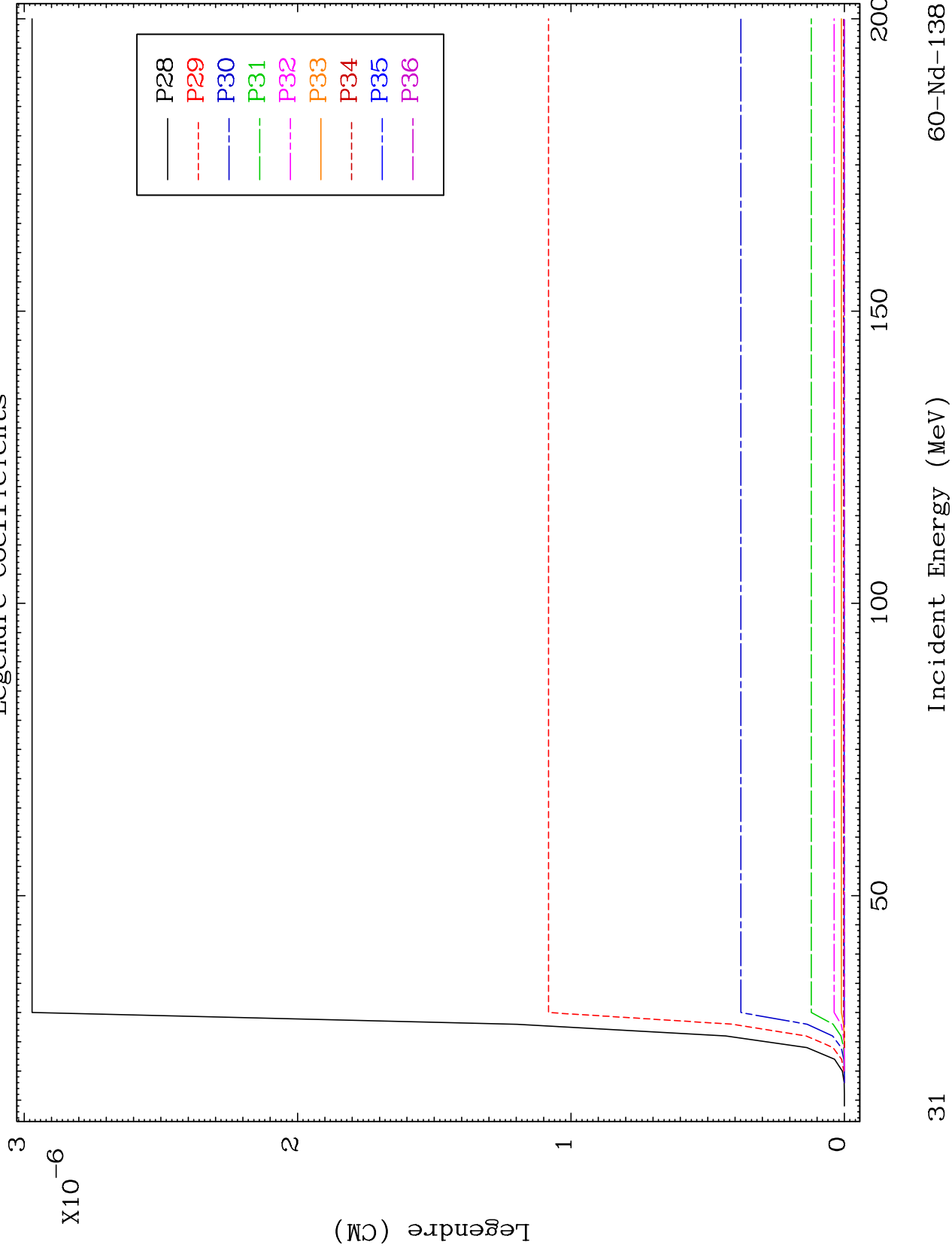
60-Nd-138



MAT 6013

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

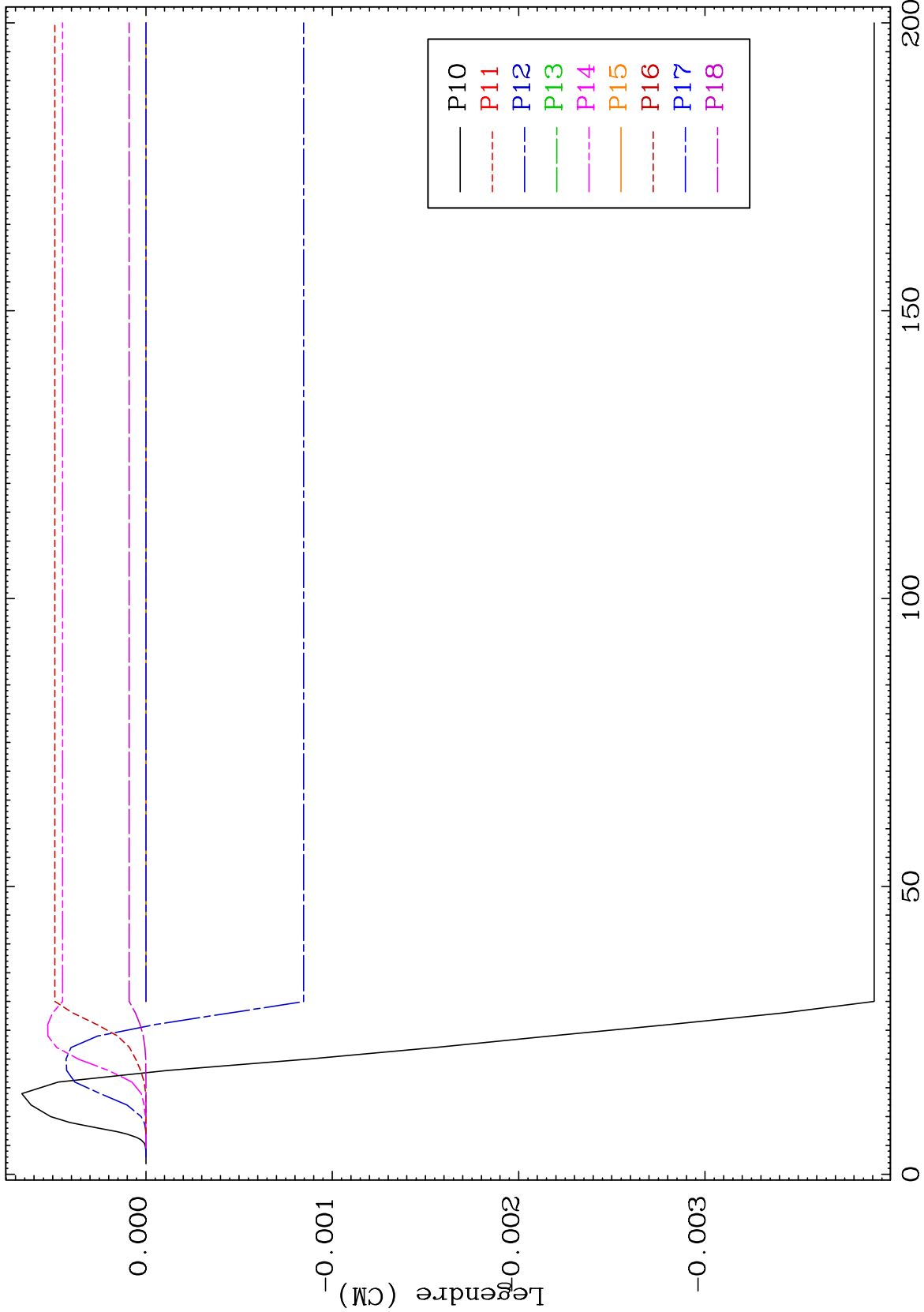
60-Nd-138



MAT 6013

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

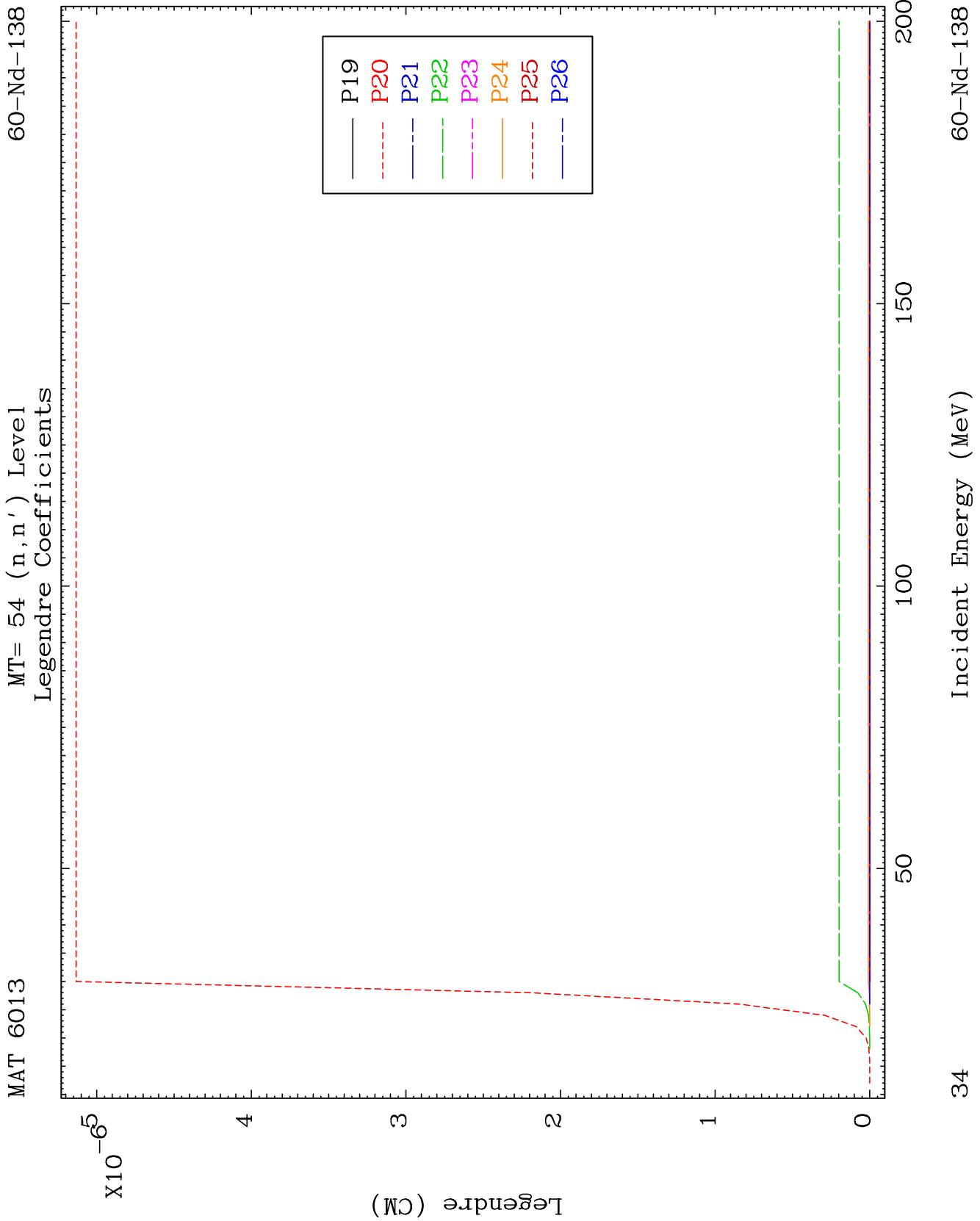
60-Nd-138



33

Incident Energy (MeV)

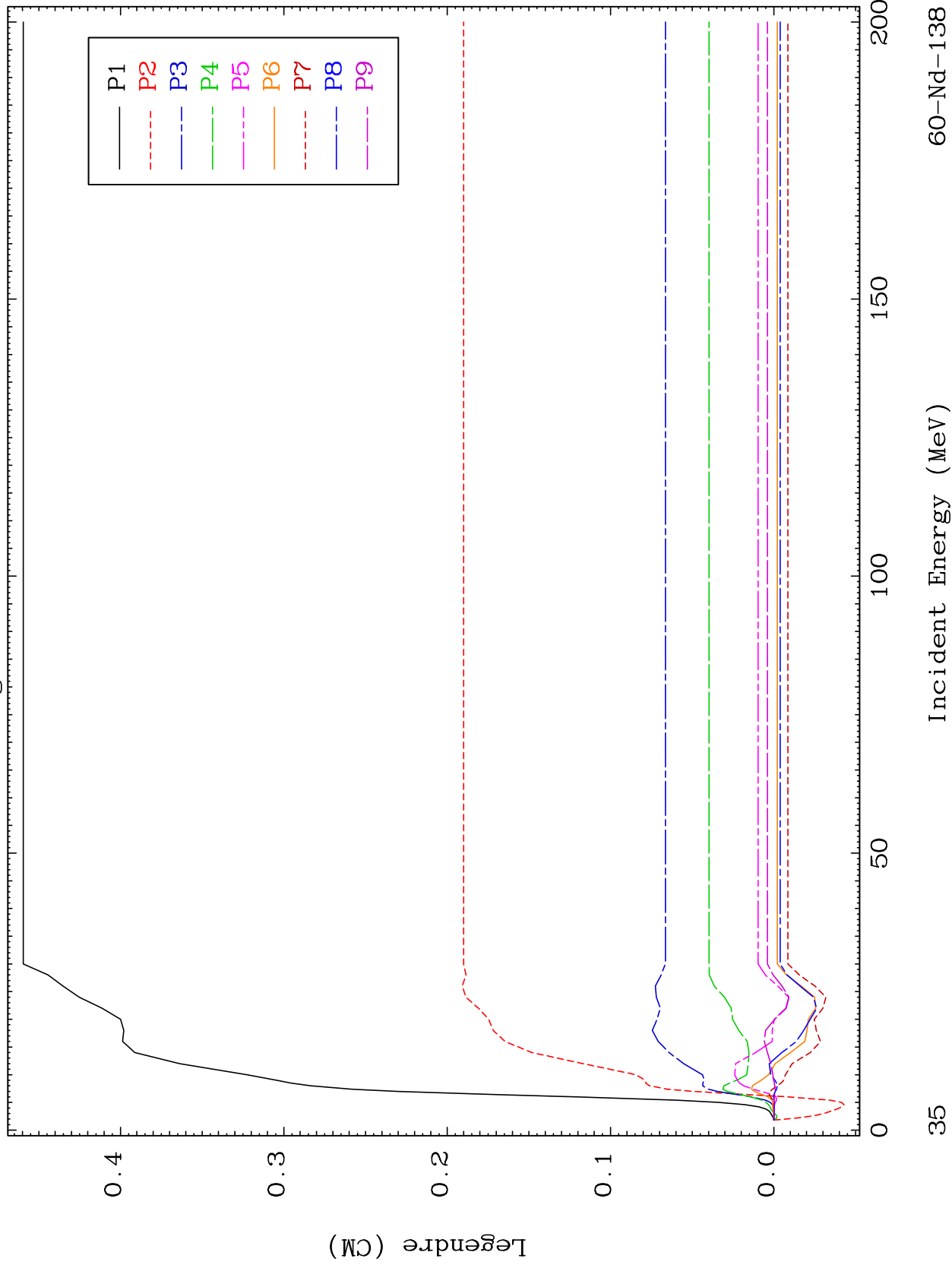
60-Nd-138



MAT 6013

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

60-Nd-138



60-Nd-138

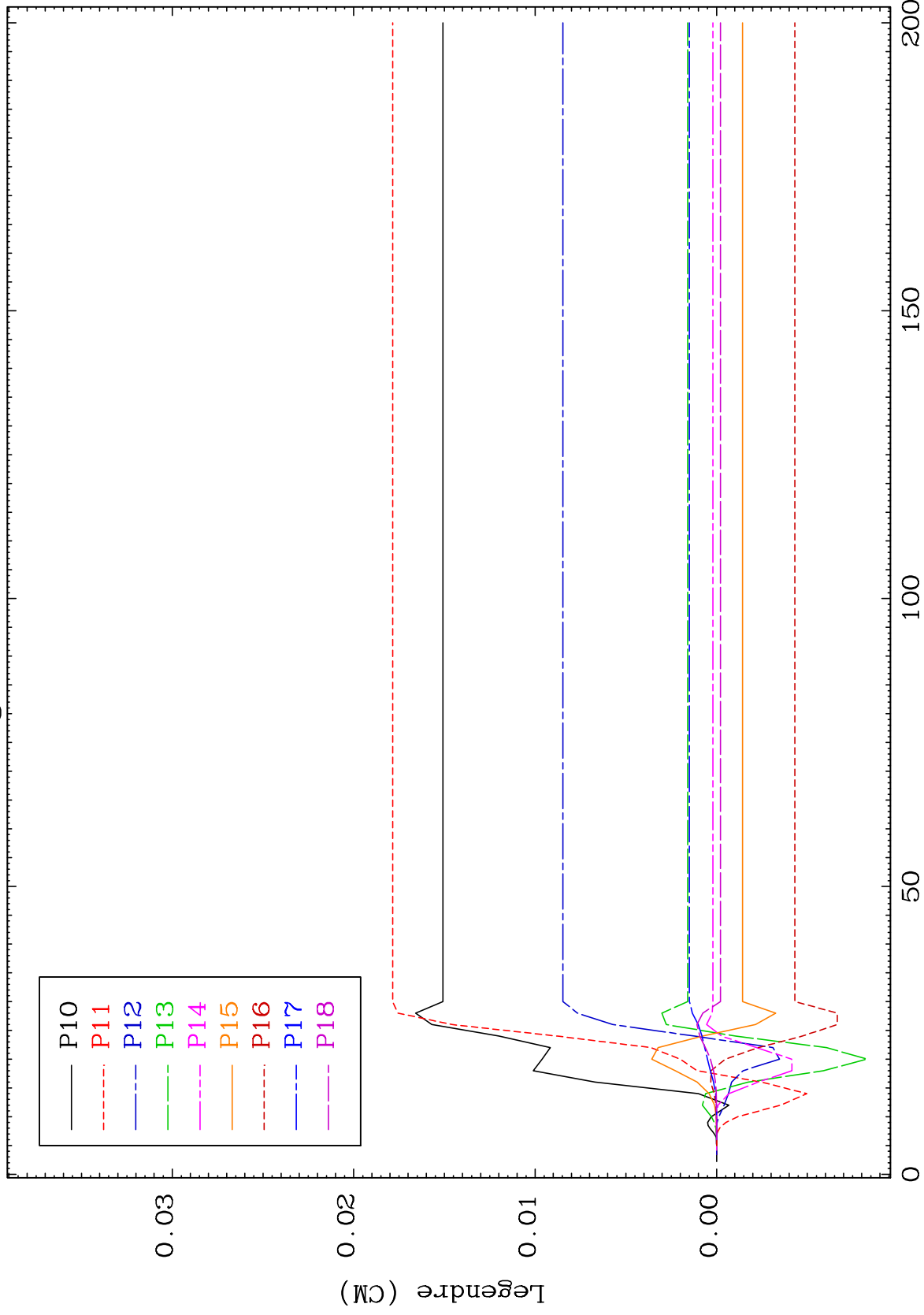
Incident Energy (MeV)

35

MAT 6013

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

60-Nd-138



36

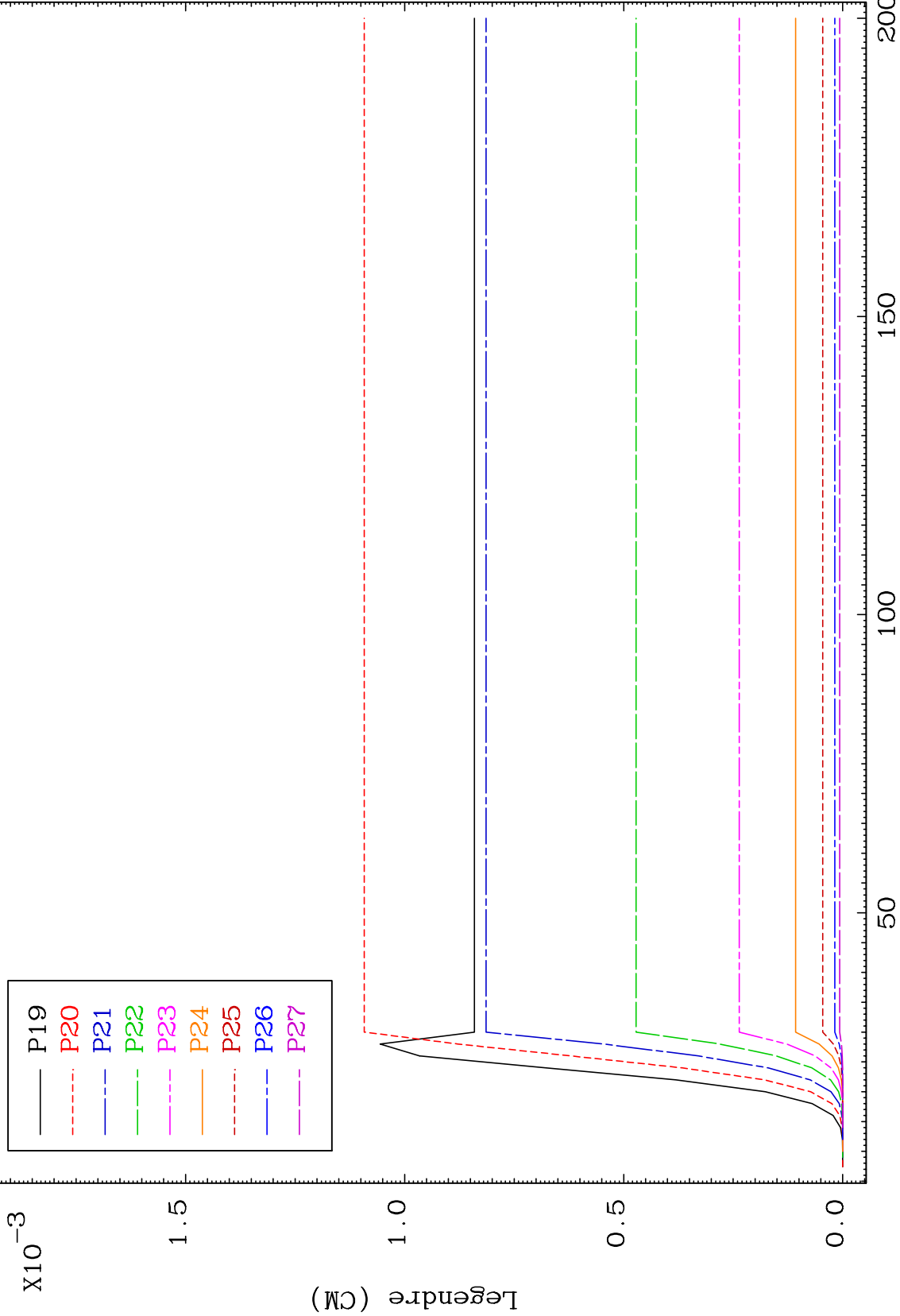
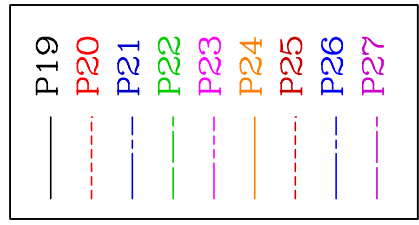
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



37

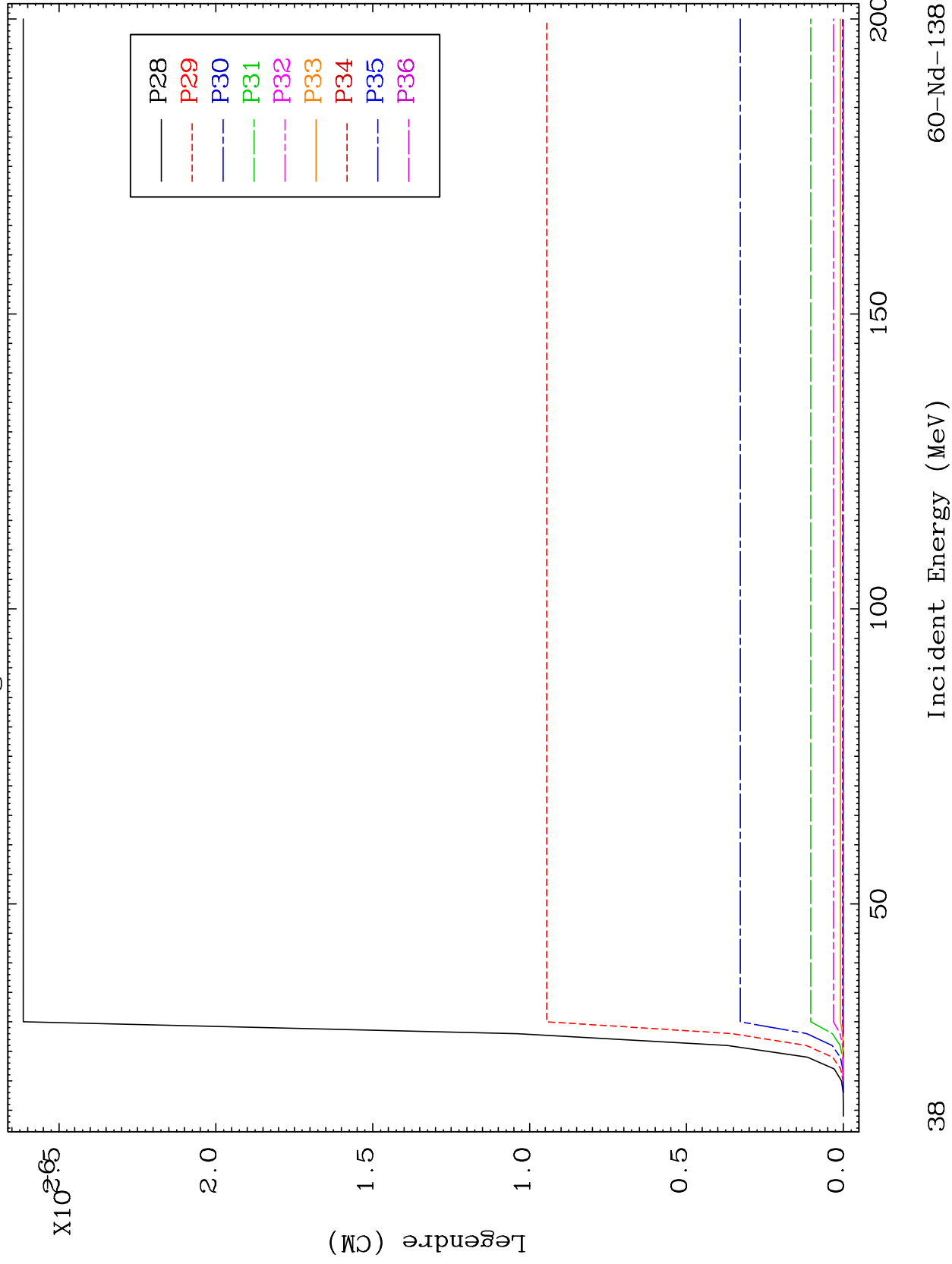
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



38

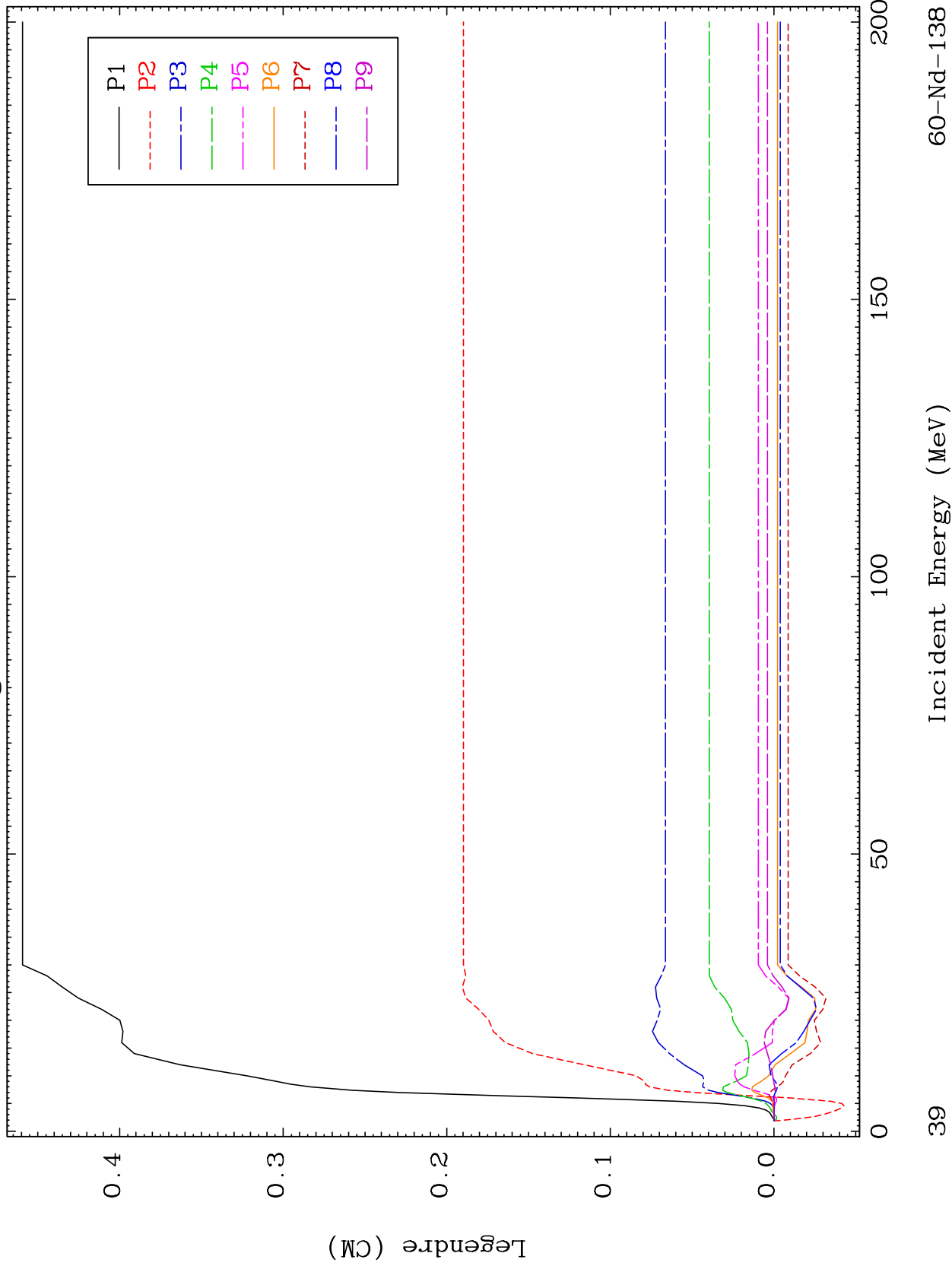
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



60-Nd-138

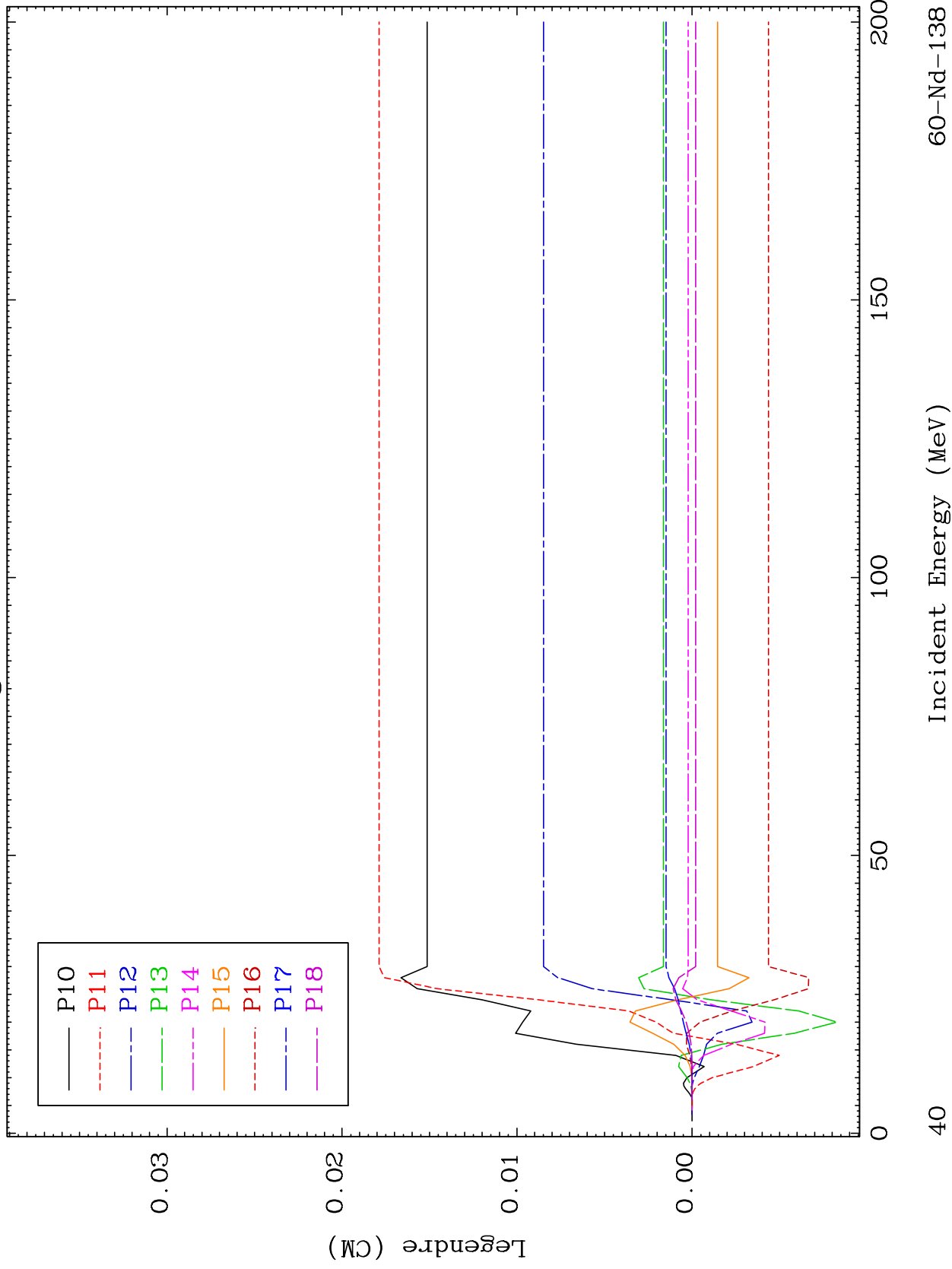
Incident Energy (MeV)

39

MAT 6013

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

60-Nd-138



60-Nd-138

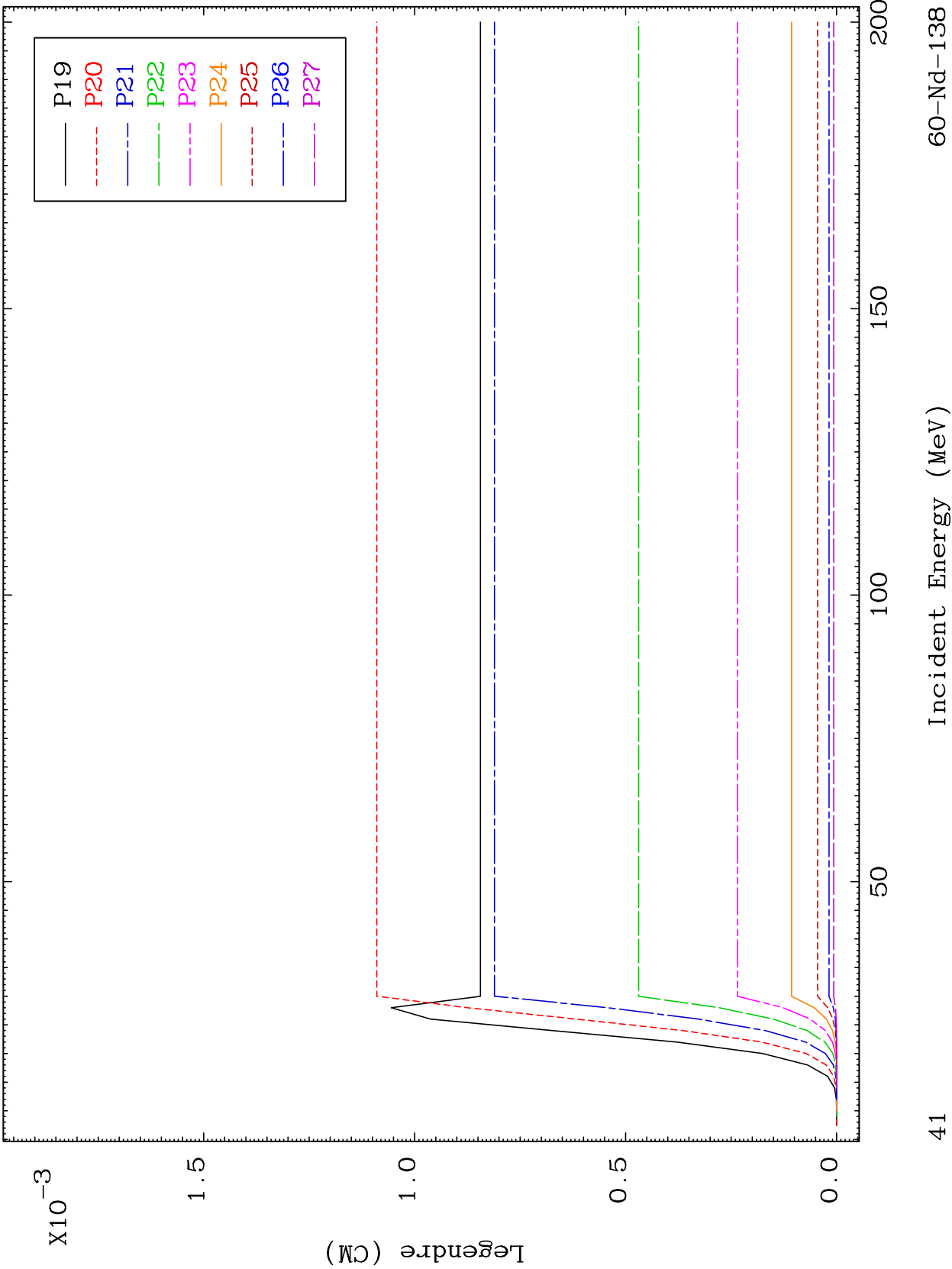
Incident Energy (MeV)

40

MAT 6013

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

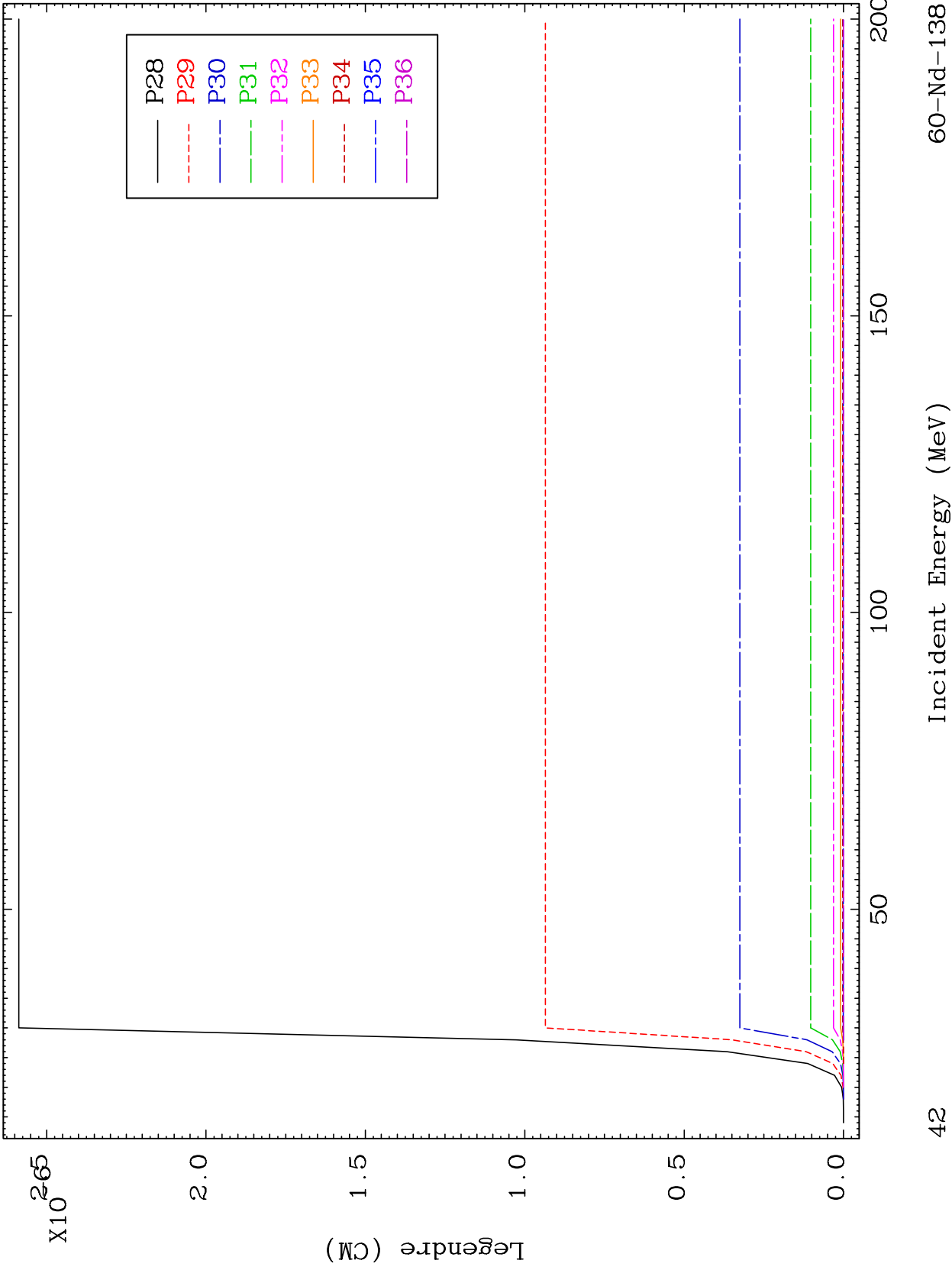
60-Nd-138



MAT 6013

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

60-Nd-138



42

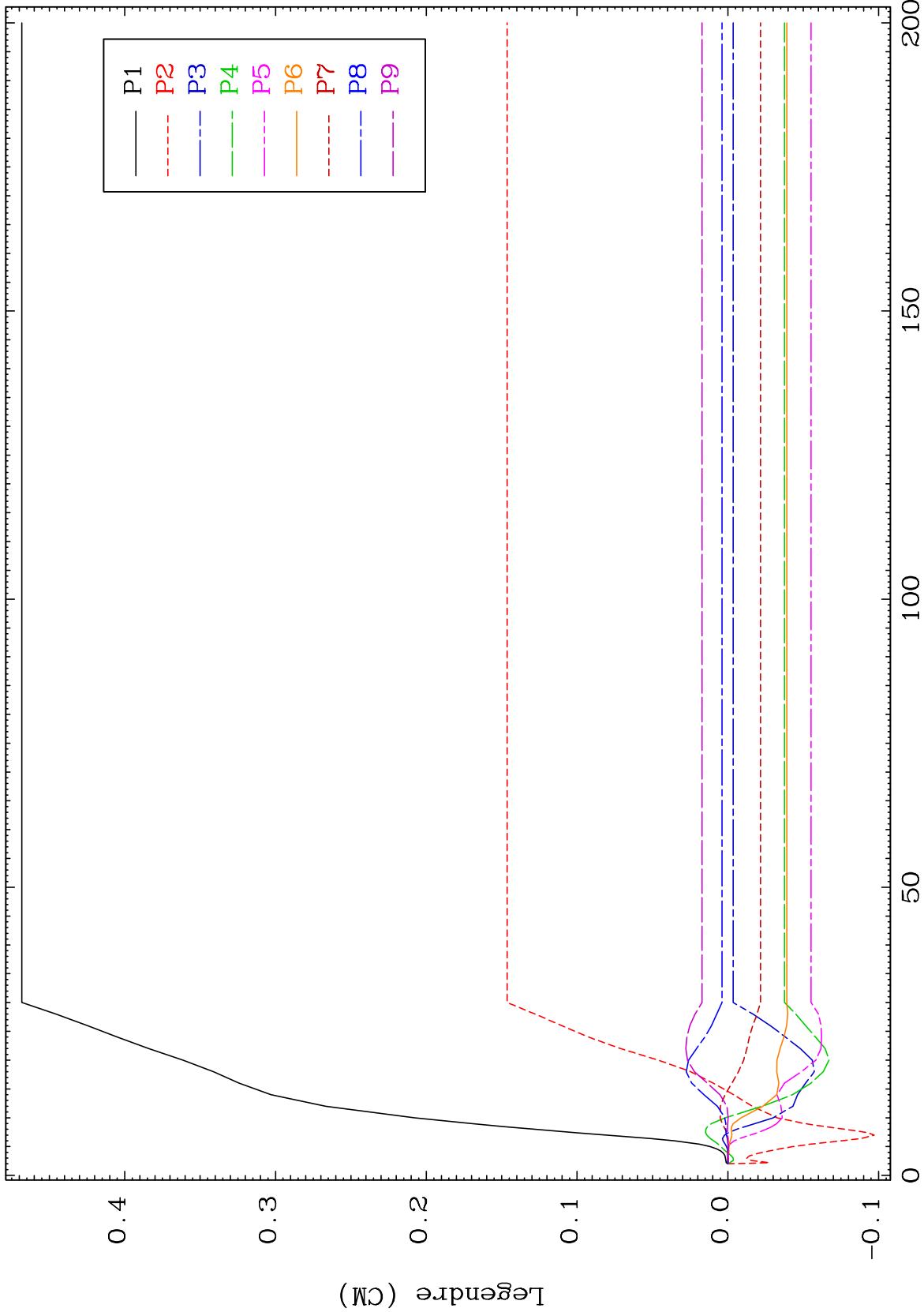
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



43

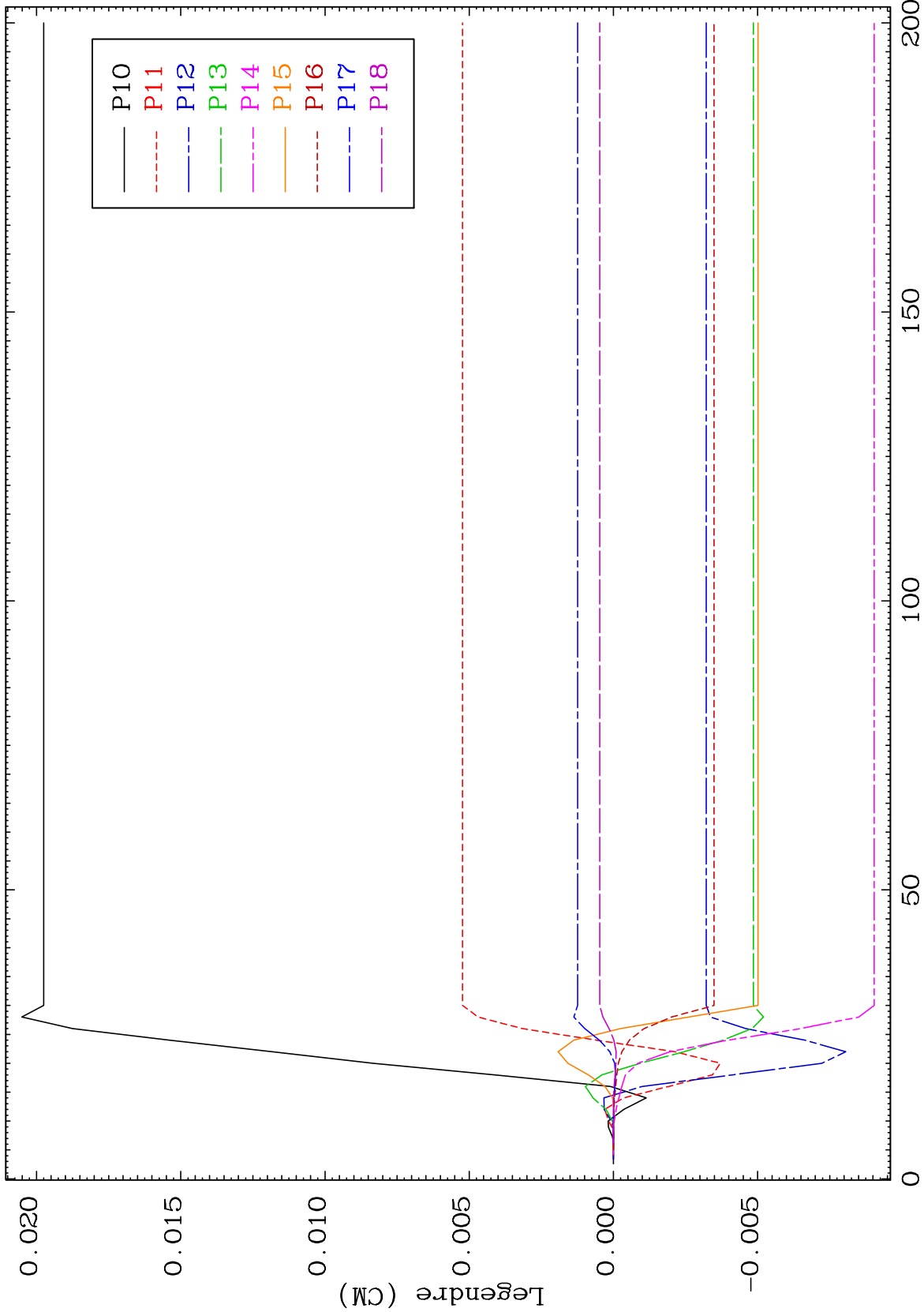
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

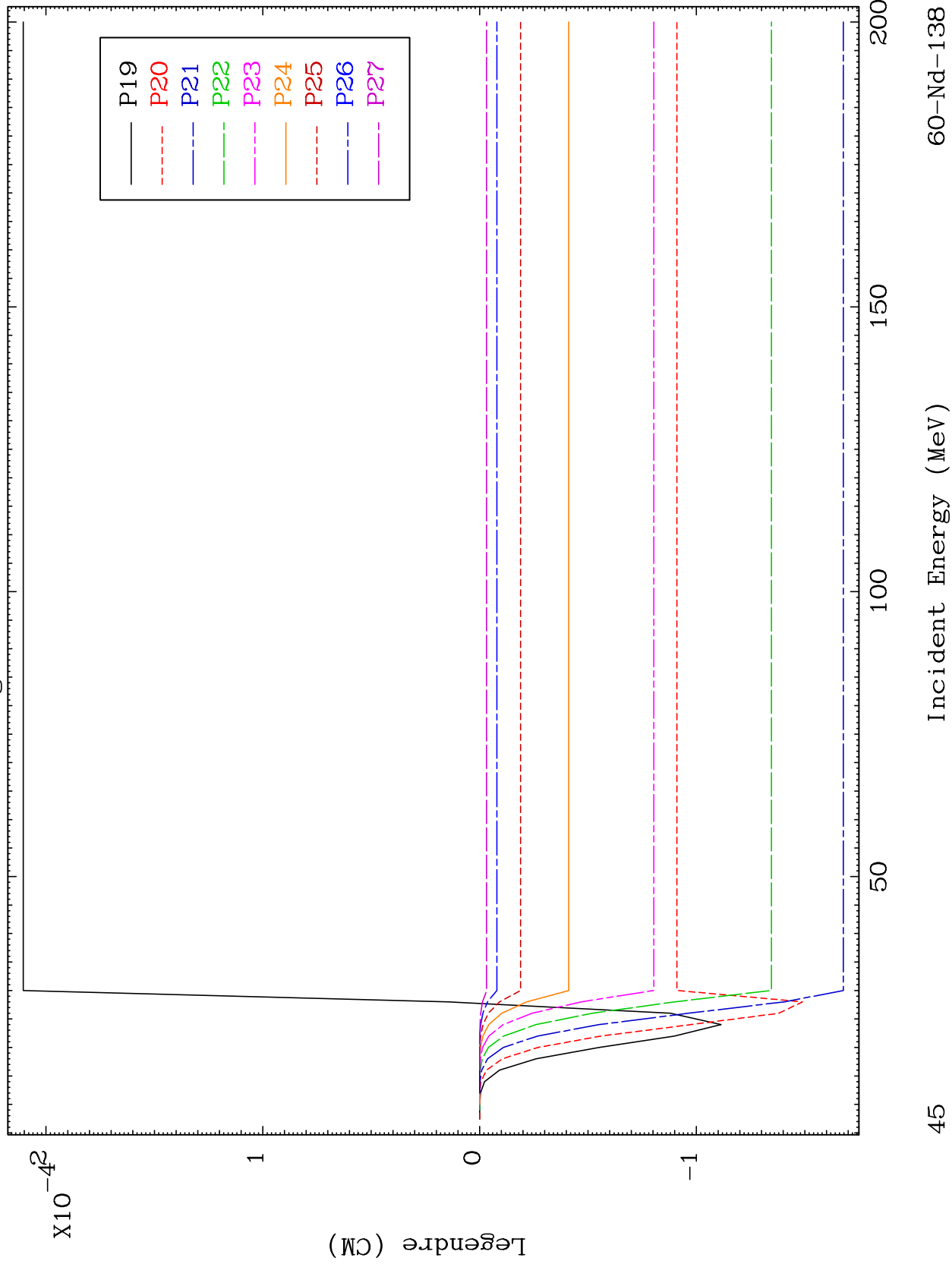
60-Nd-138



MAT 6013

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

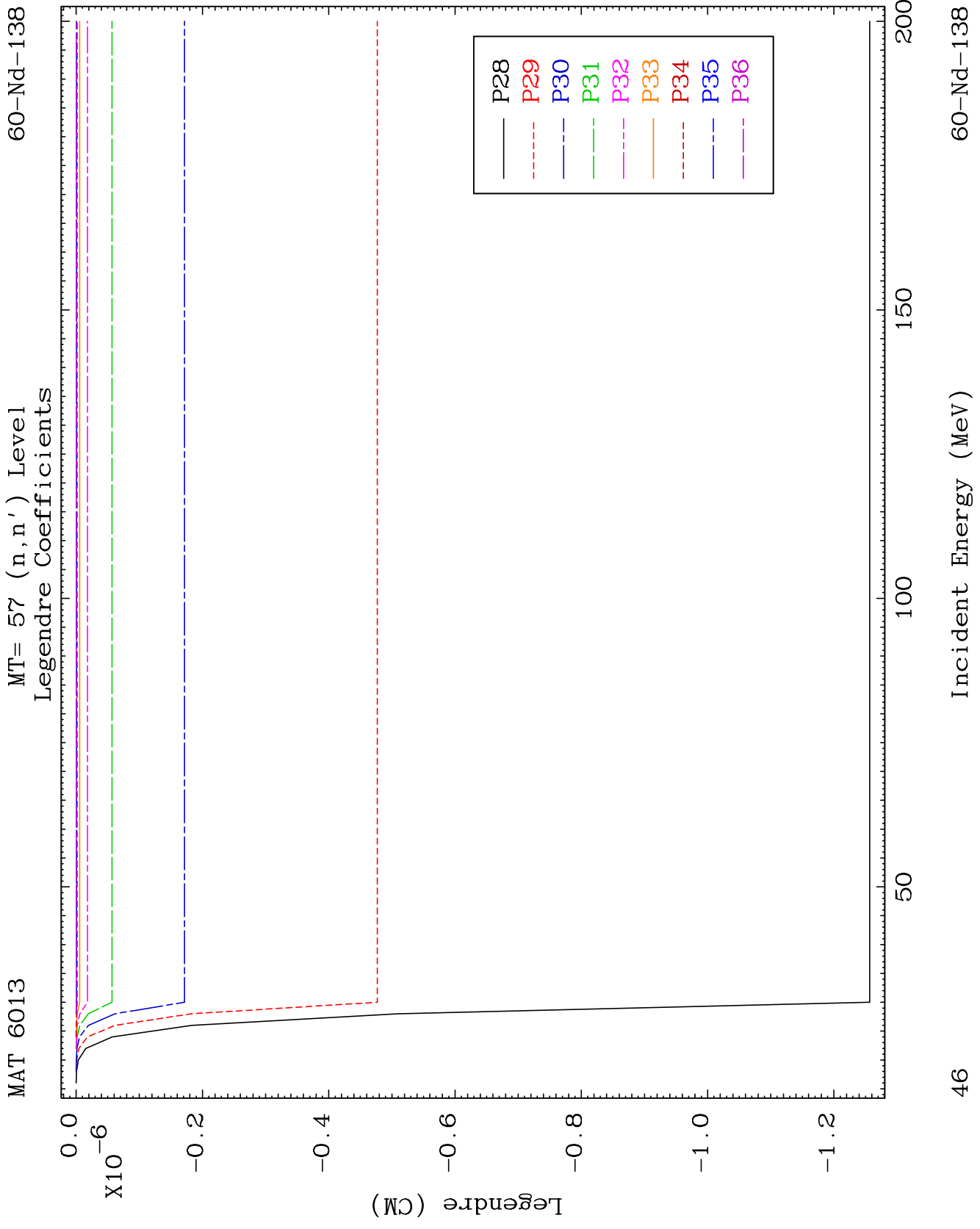
60-Nd-138



45

Incident Energy (MeV)

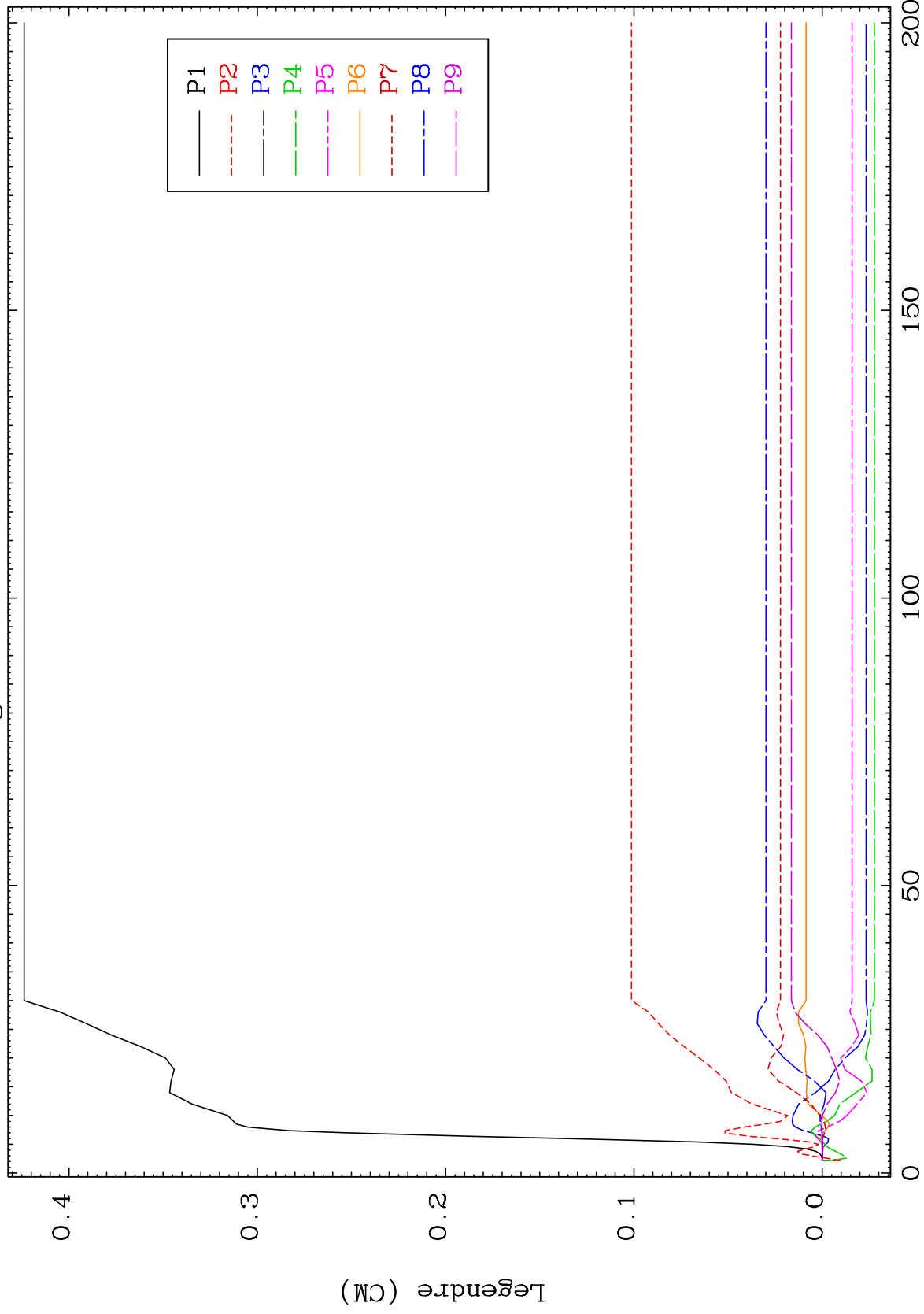
60-Nd-138



MAT 6013

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

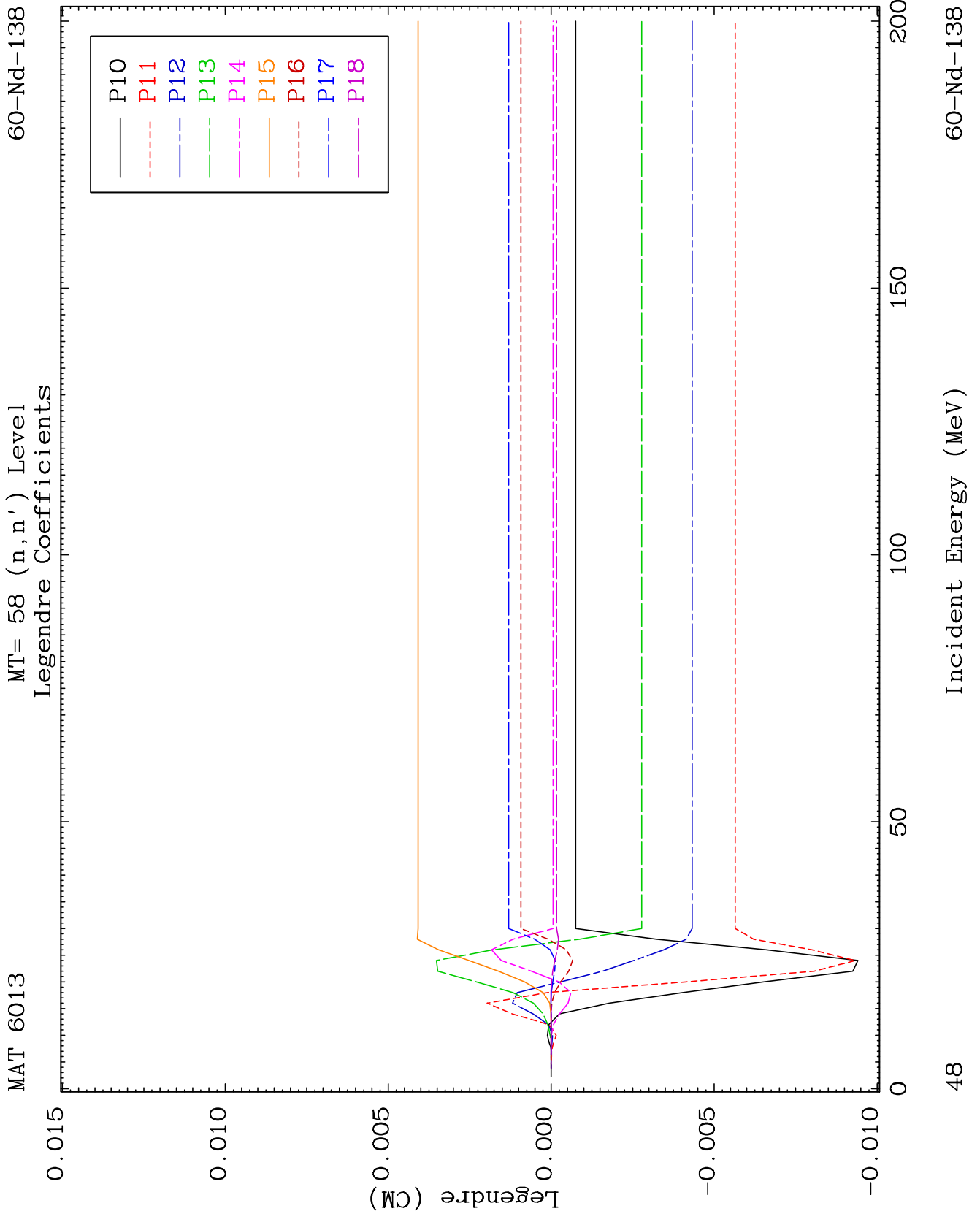
60-Nd-138



47

Incident Energy (MeV)

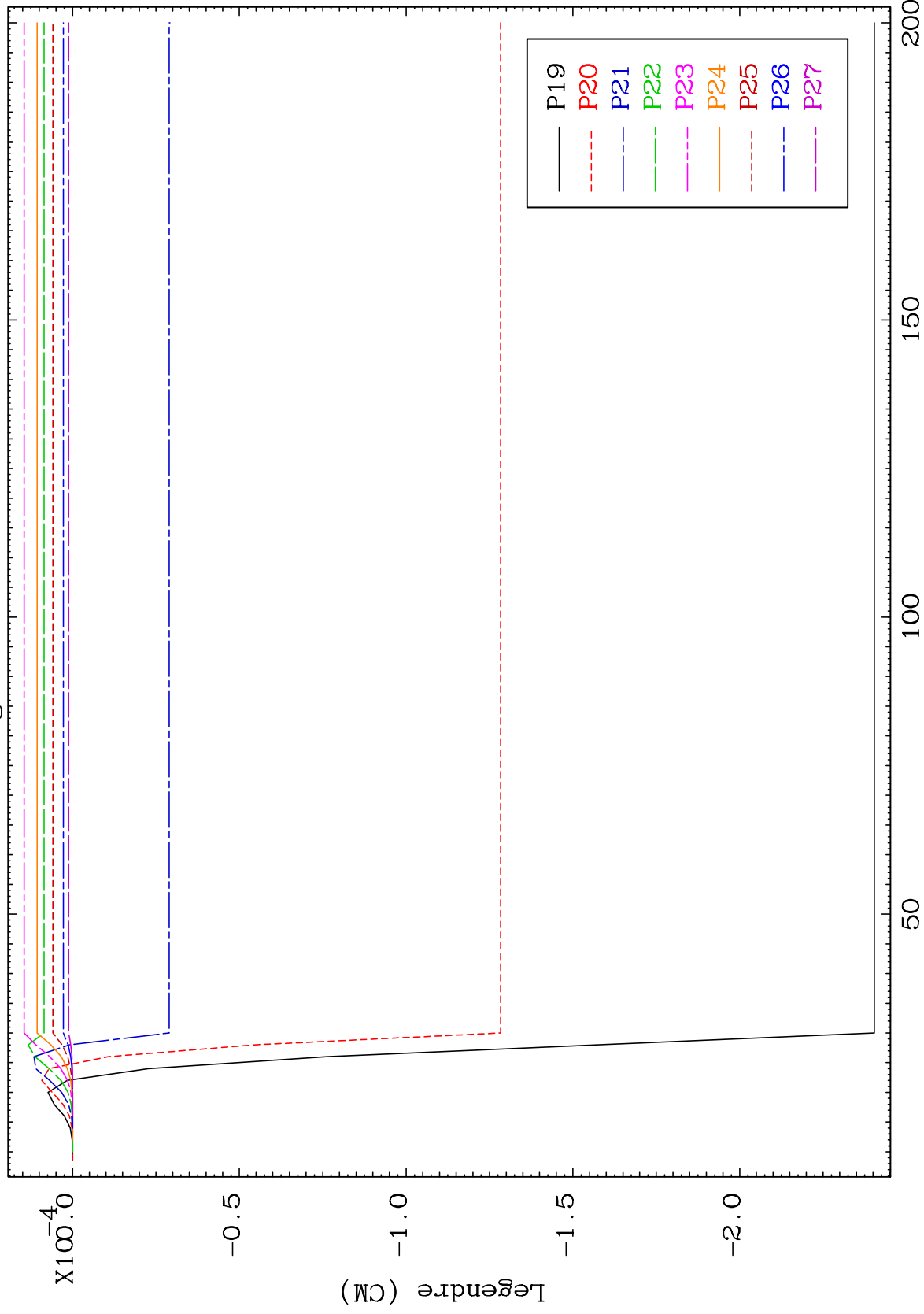
60-Nd-138



MAT 6013

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

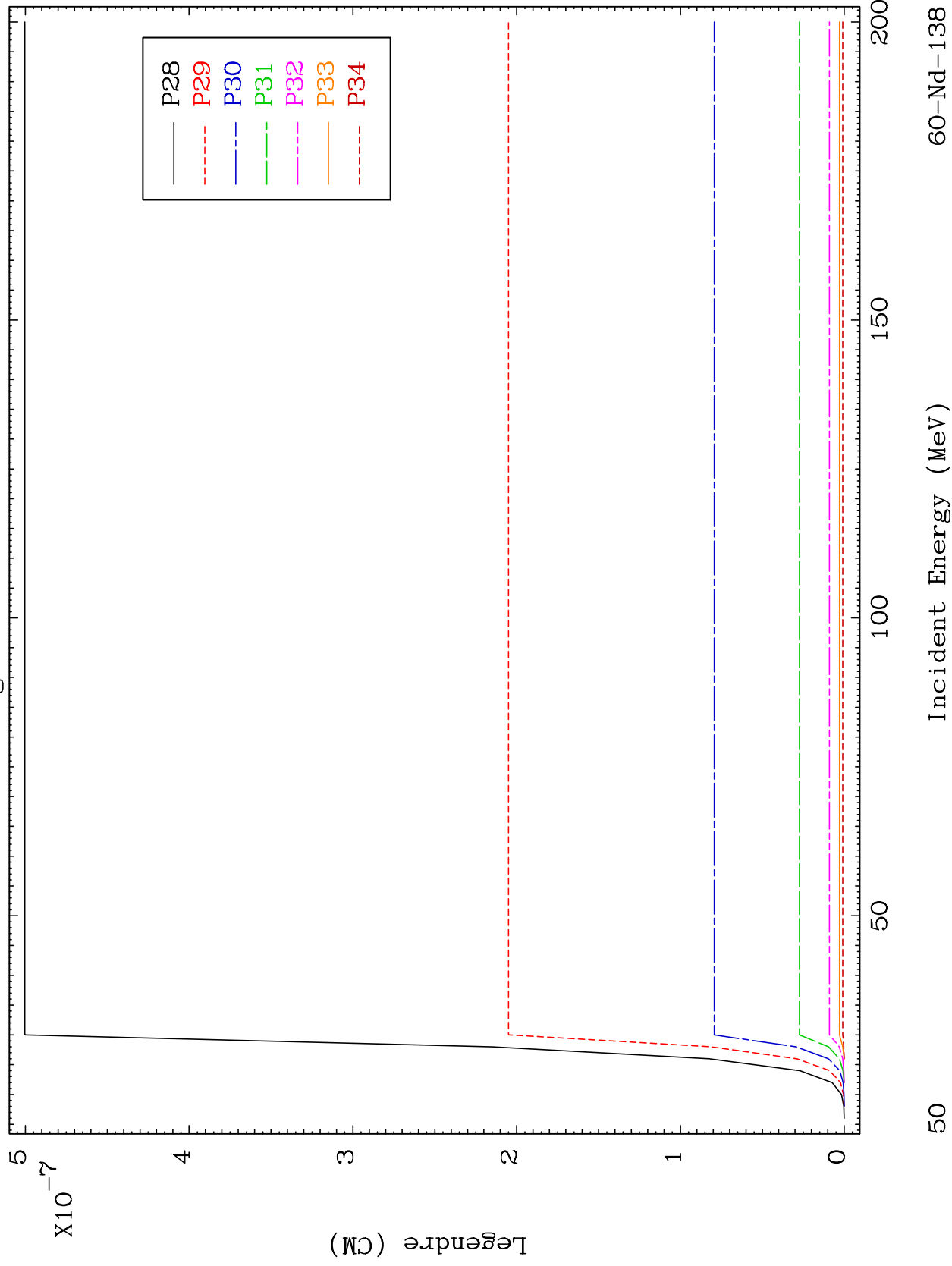
60-Nd-138



MAT 6013

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

60-Nd-138



60-Nd-138

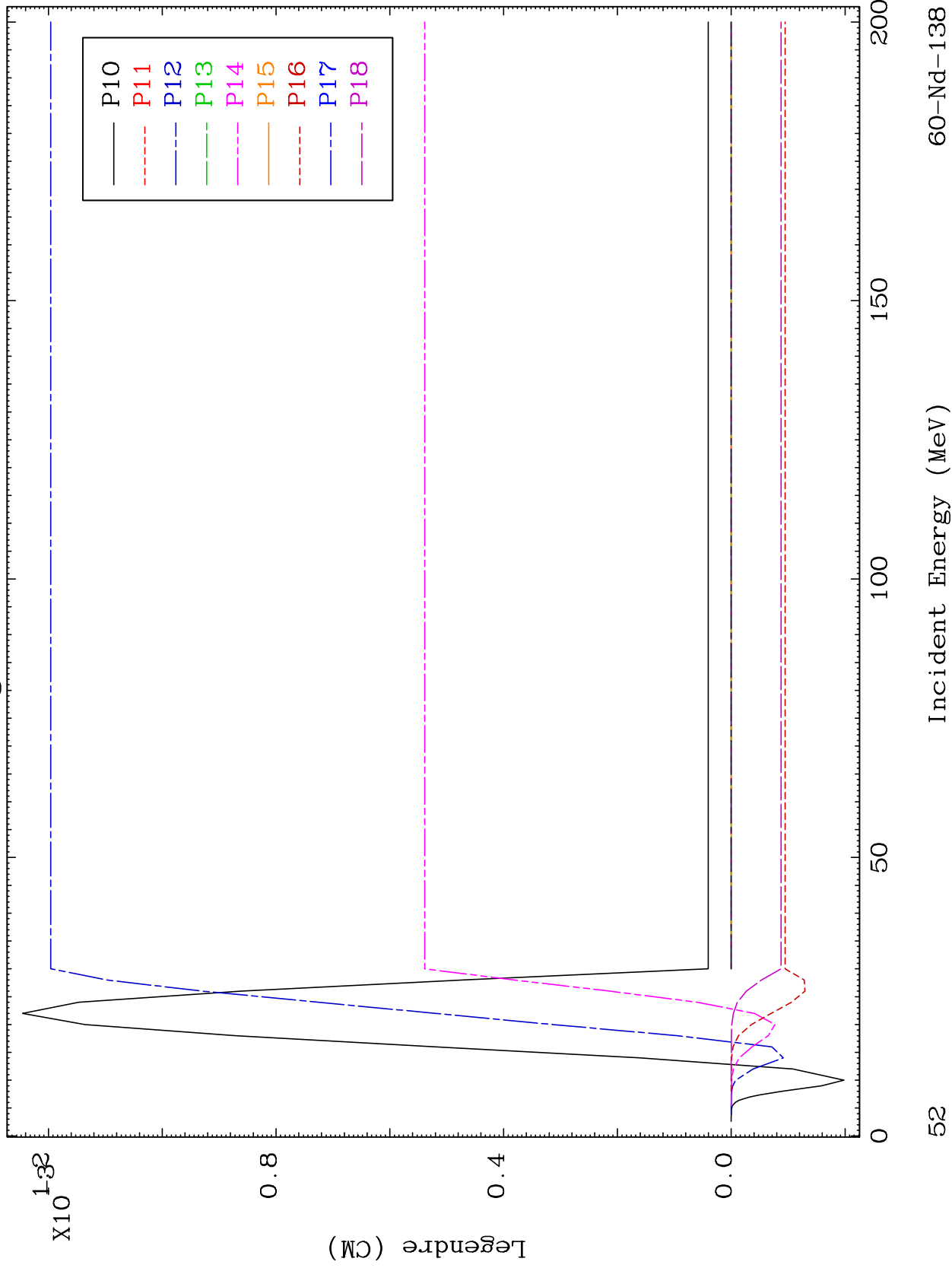
Incident Energy (MeV)

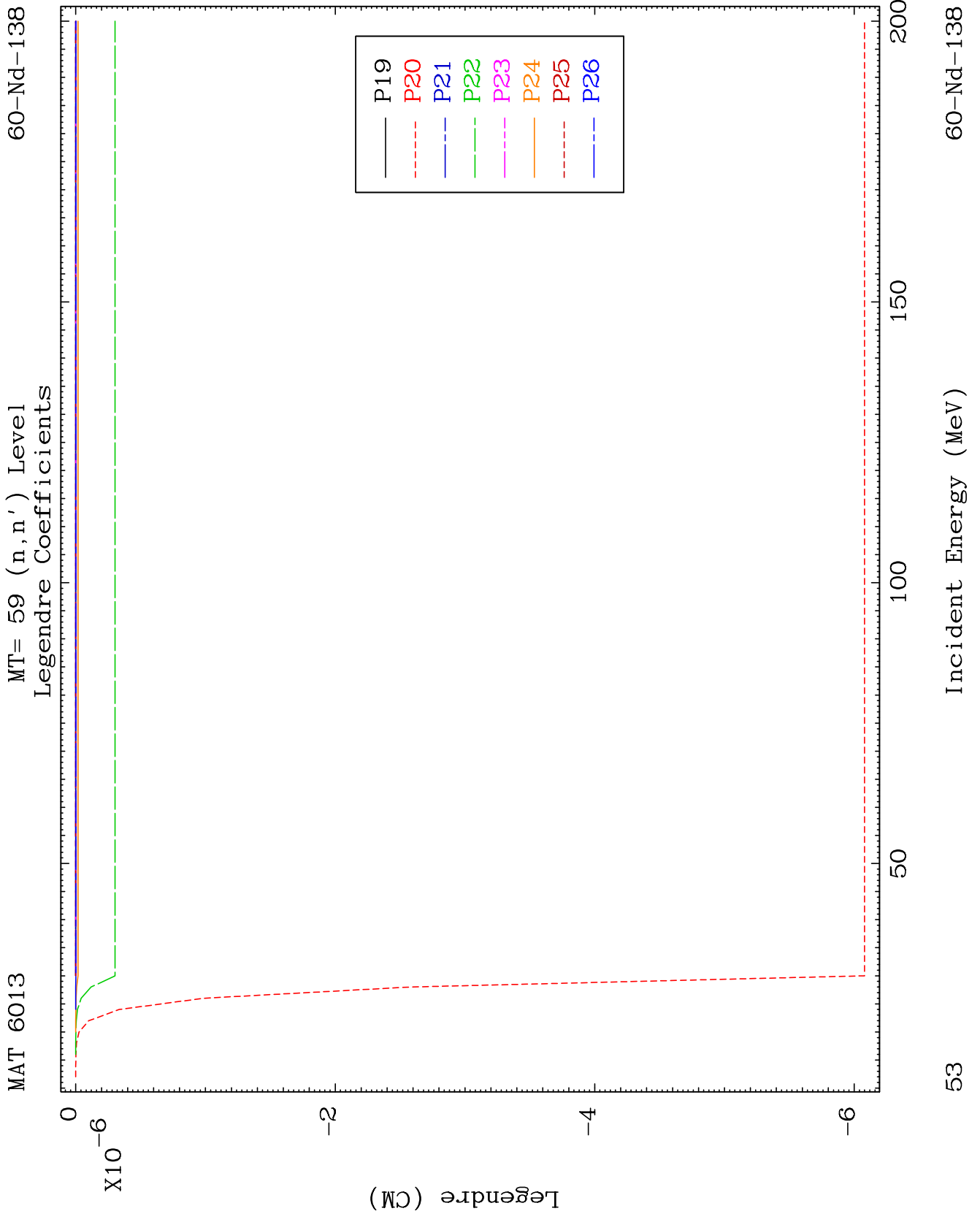
50

MAT 6013

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

60-Nd-138

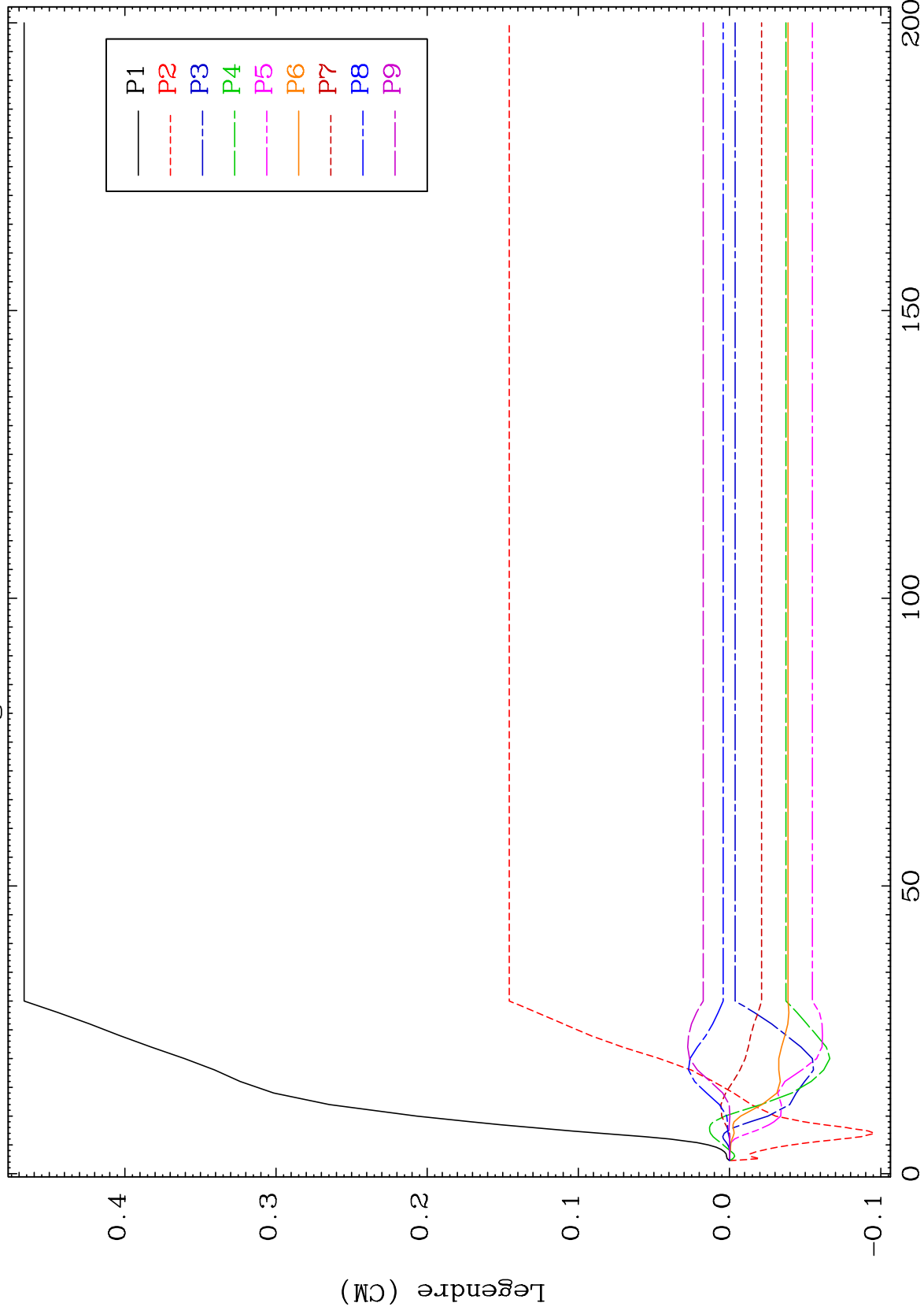




MAT 6013

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

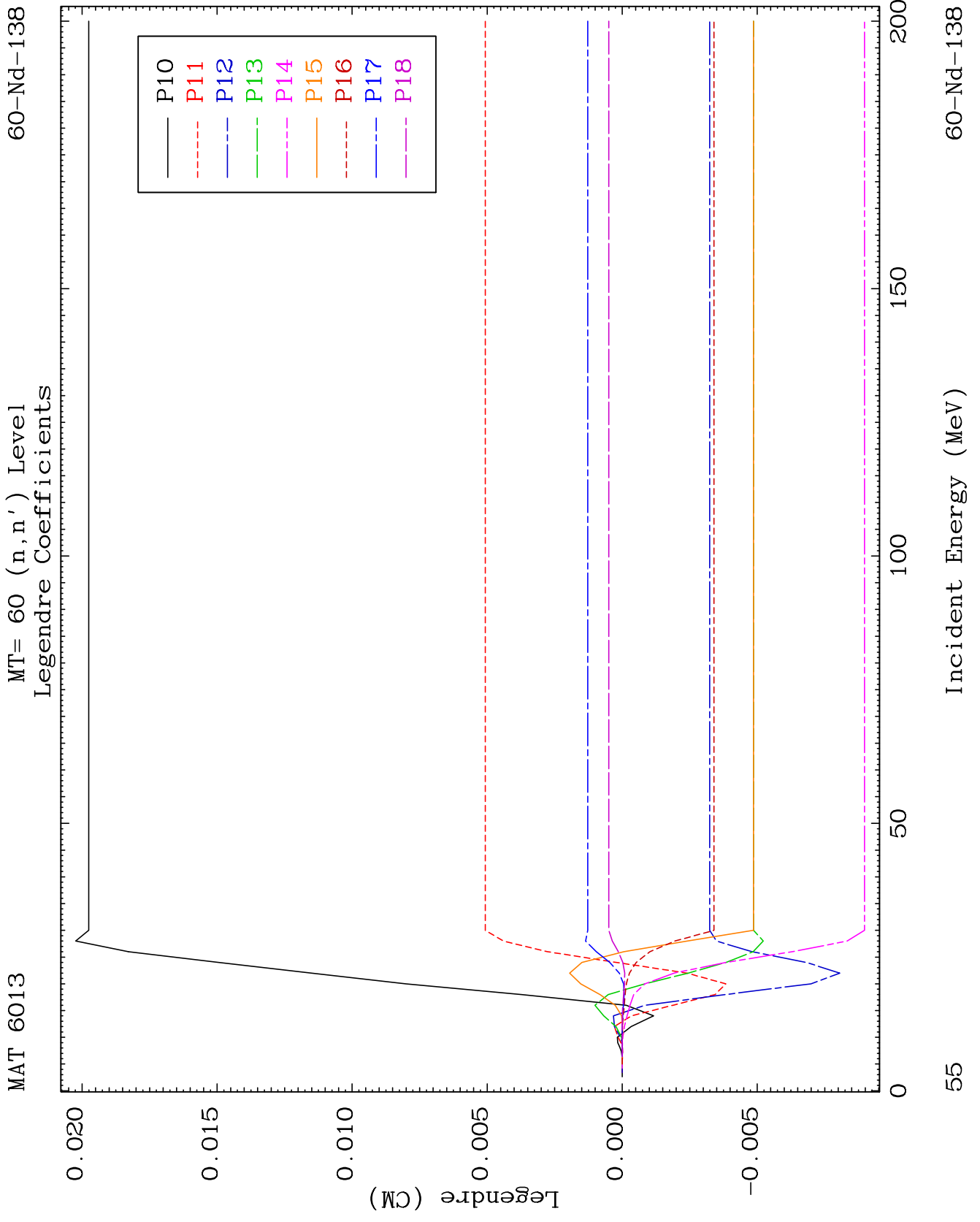
60-Nd-138



54

Incident Energy (MeV)

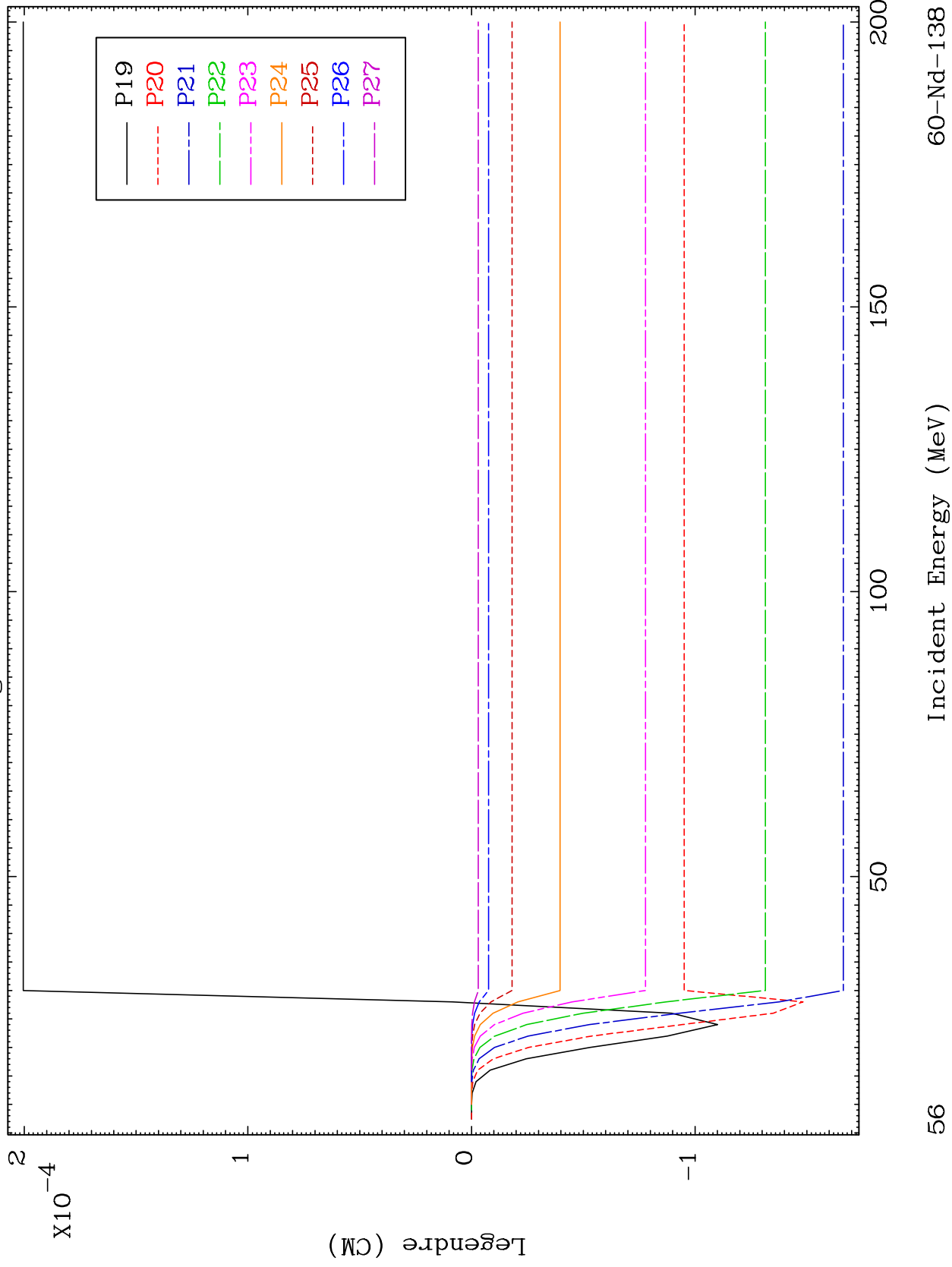
60-Nd-138



MAT 6013

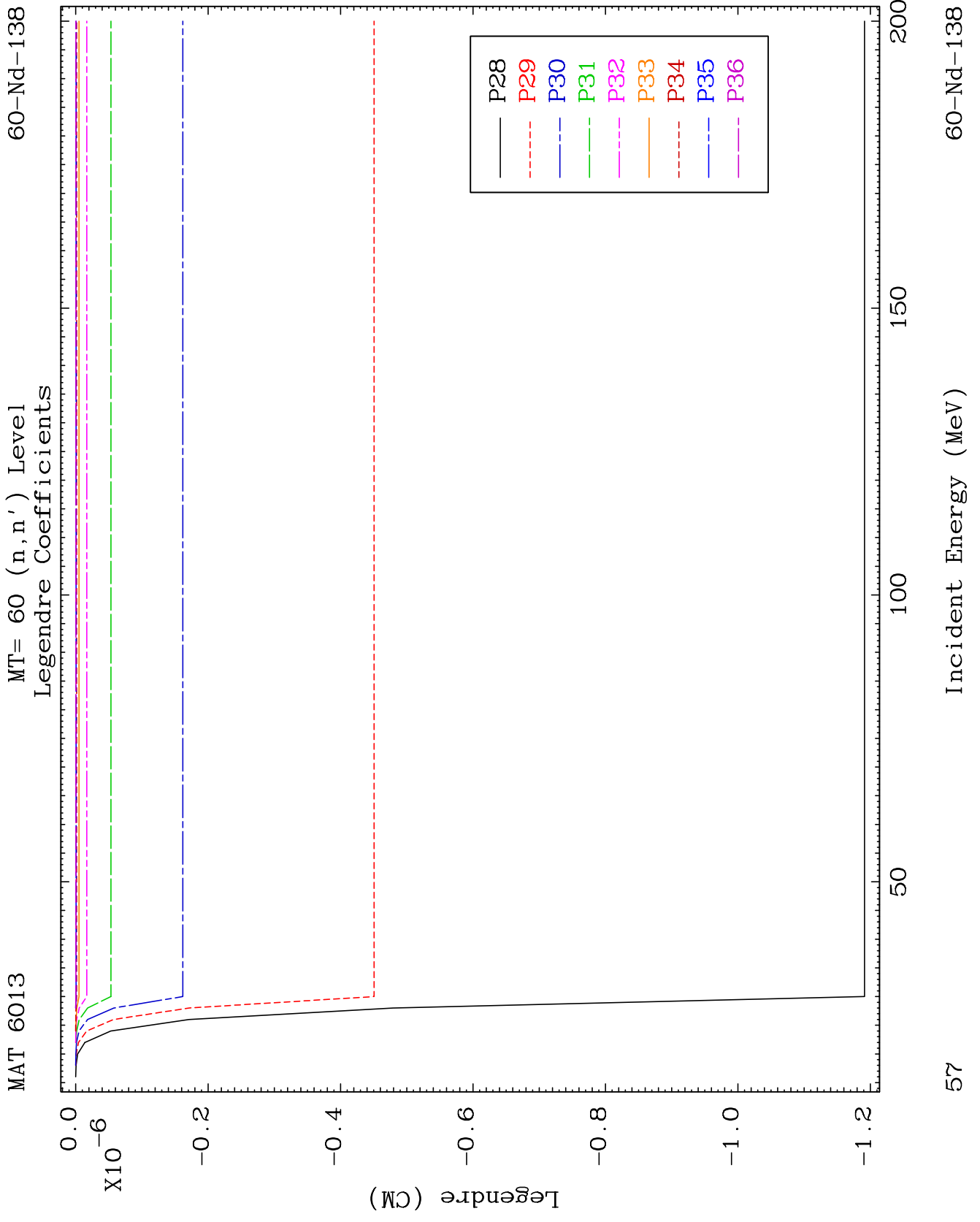
MT= 60 (n,n') Level
Legendre Coefficients

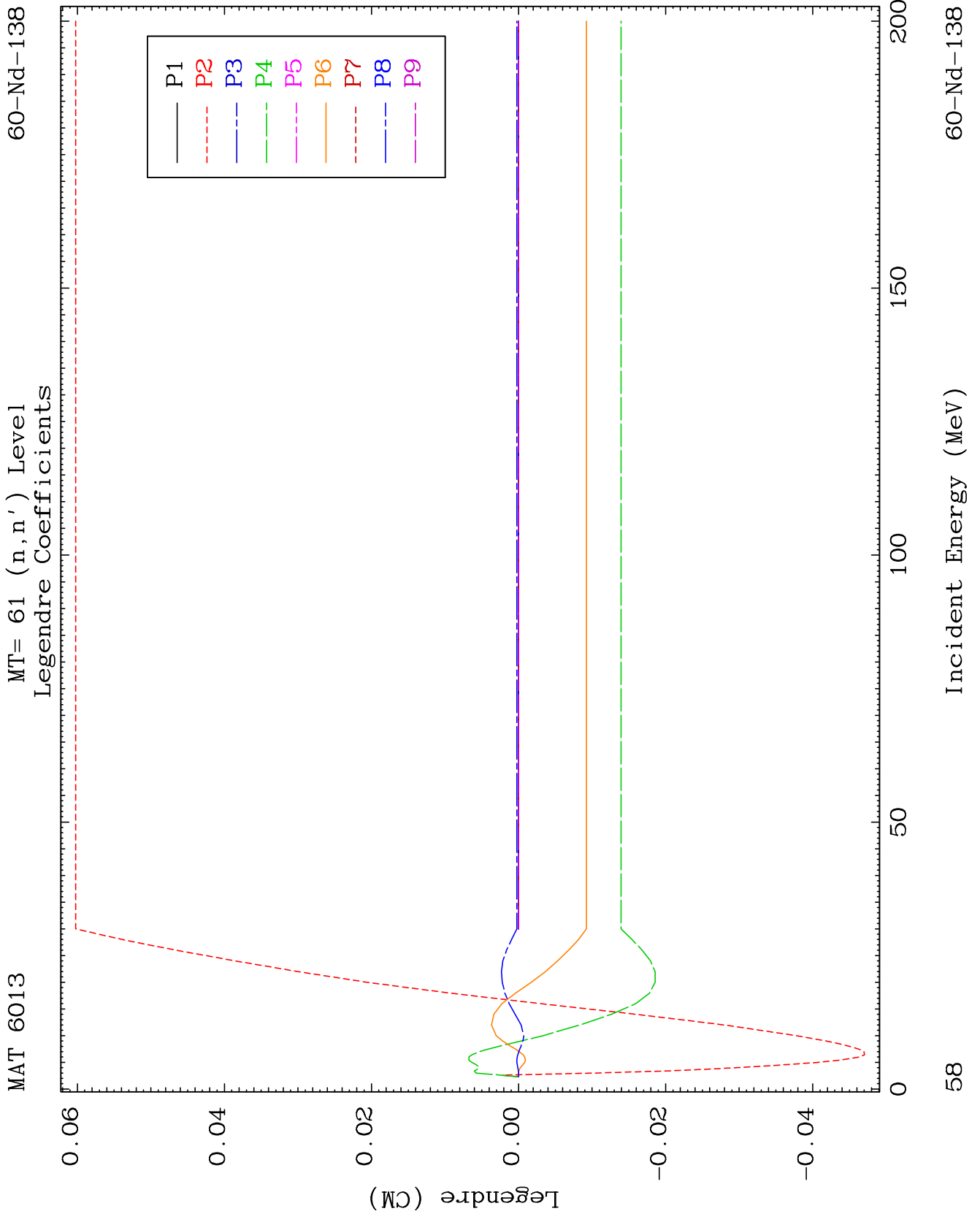
60-Nd-138

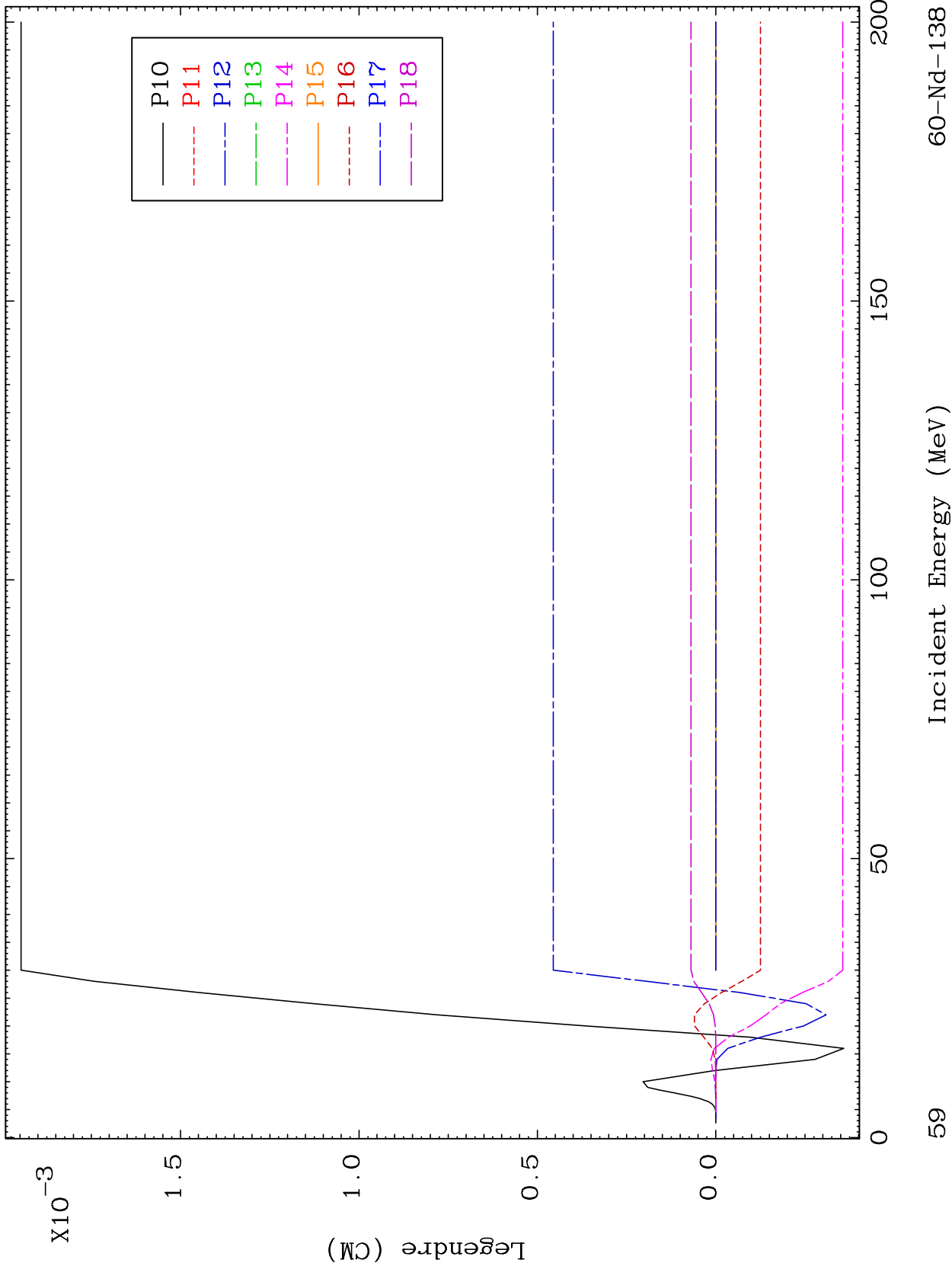


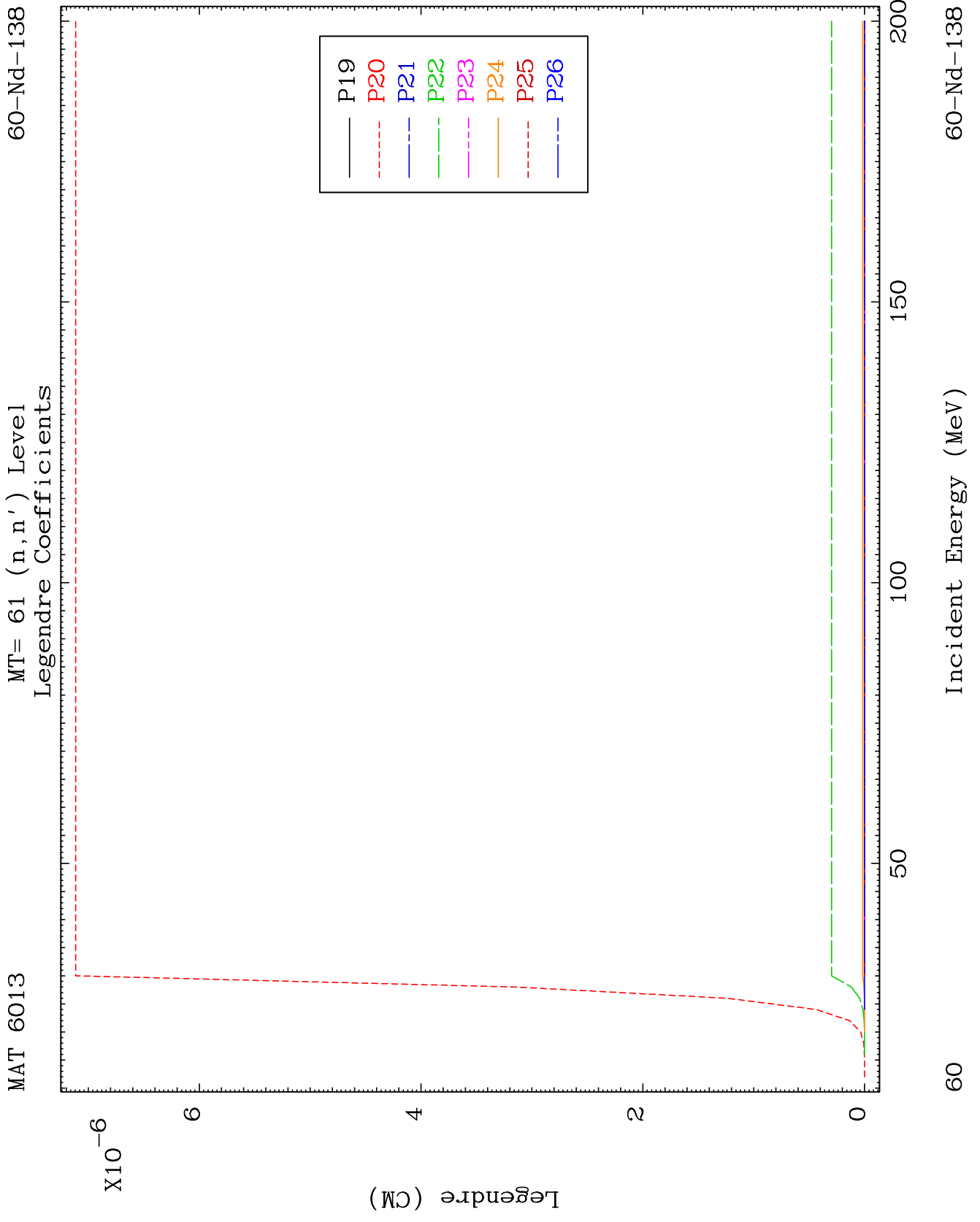
56

60-Nd-138





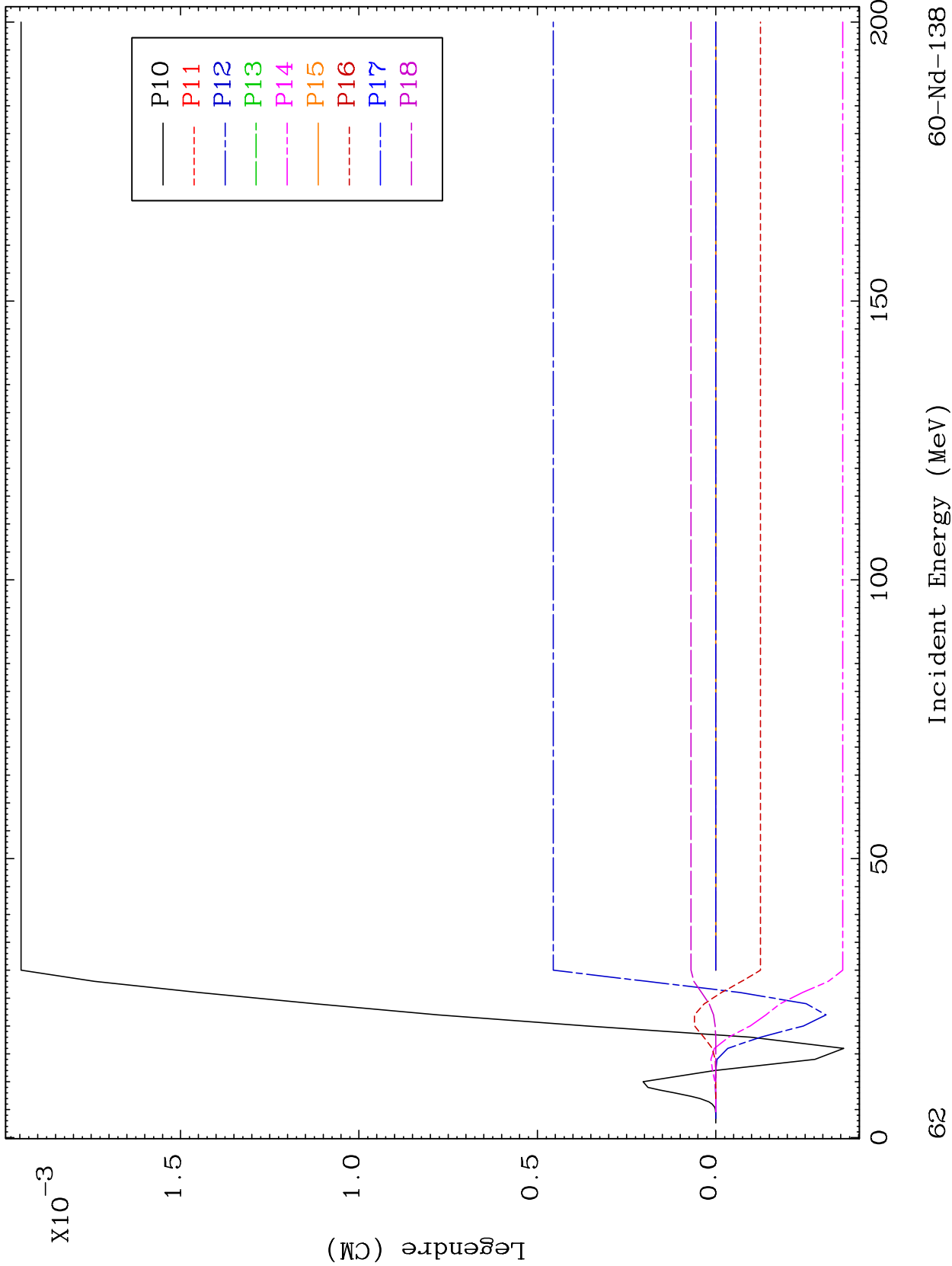




MAT 6013

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

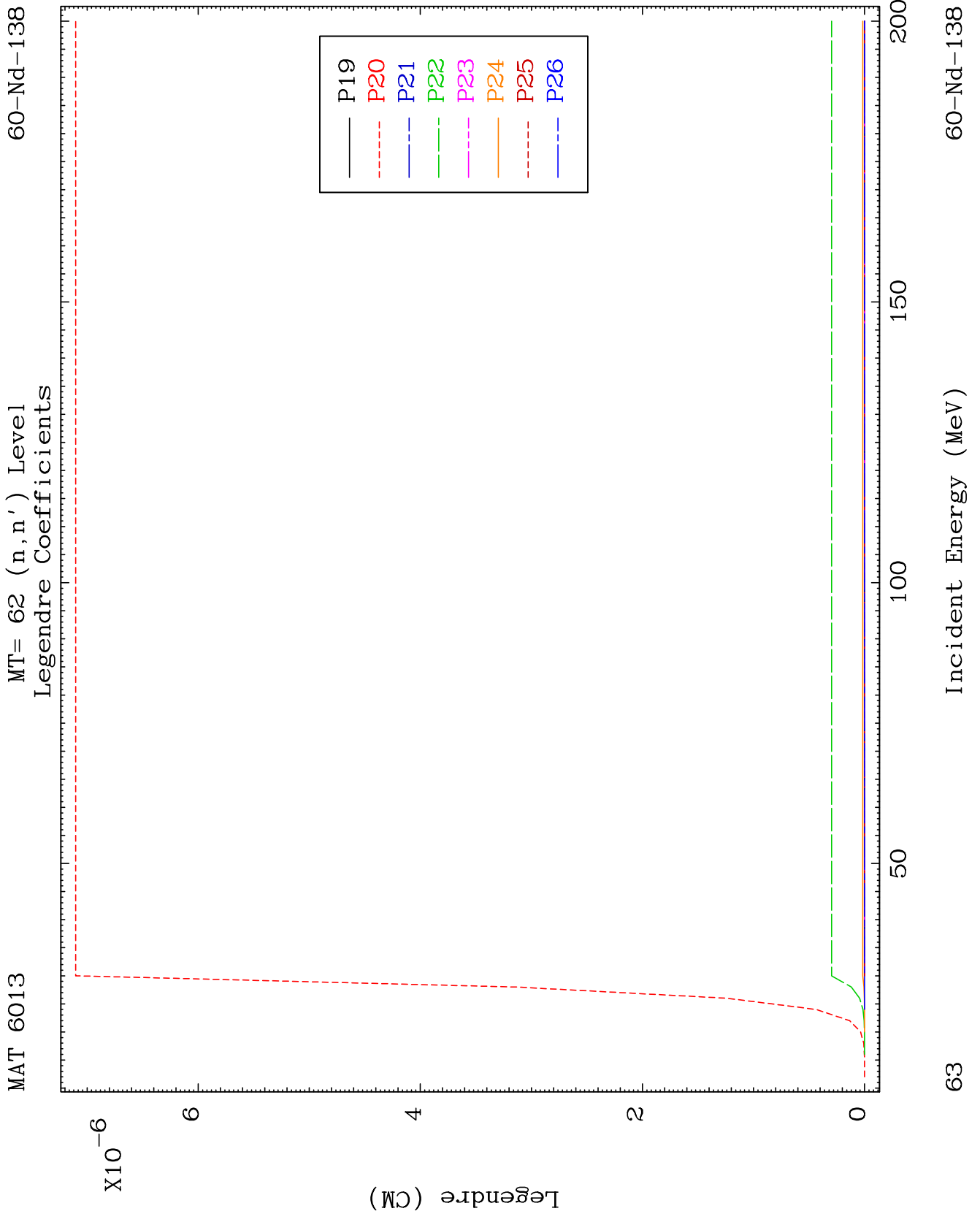
60-Nd-138

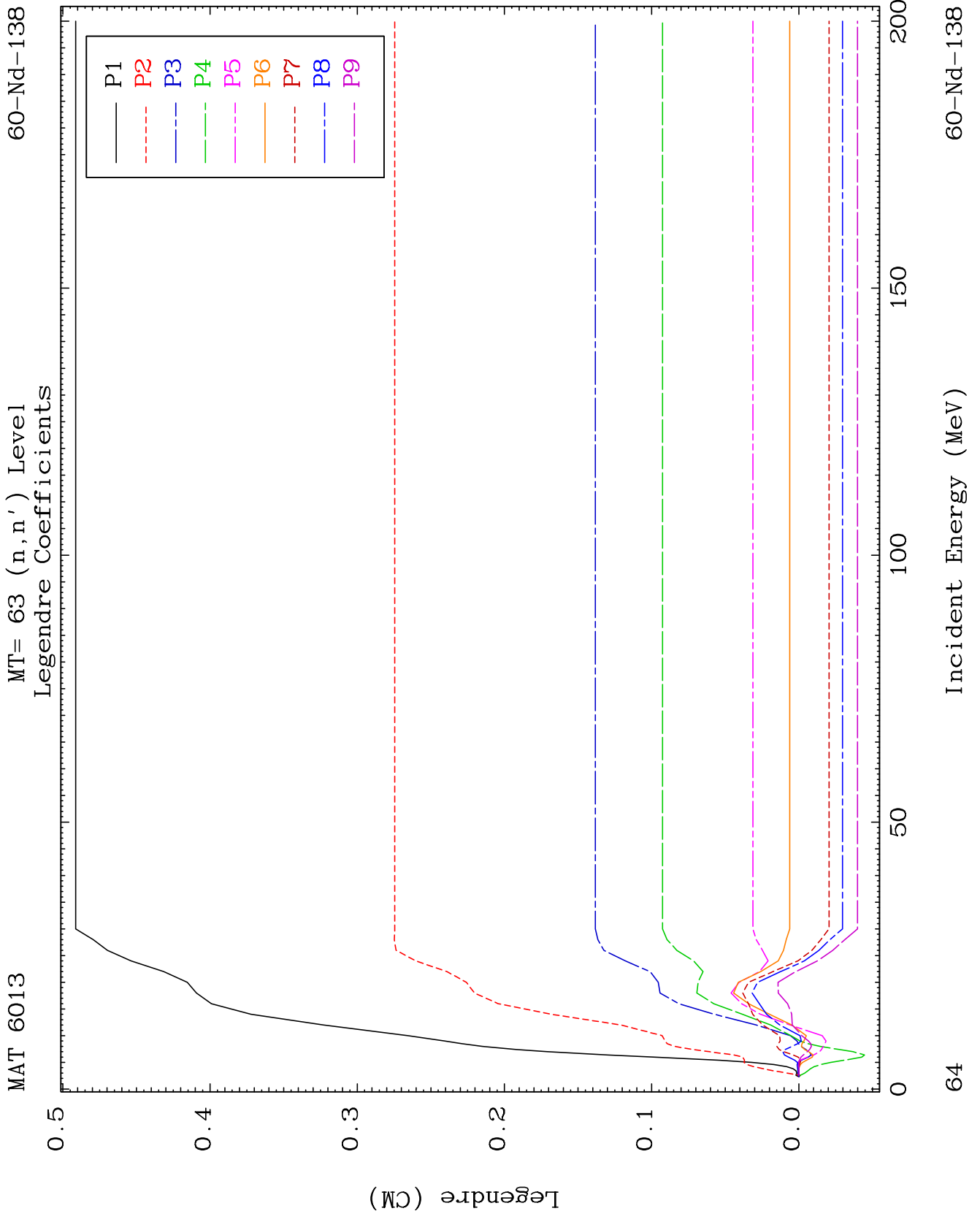


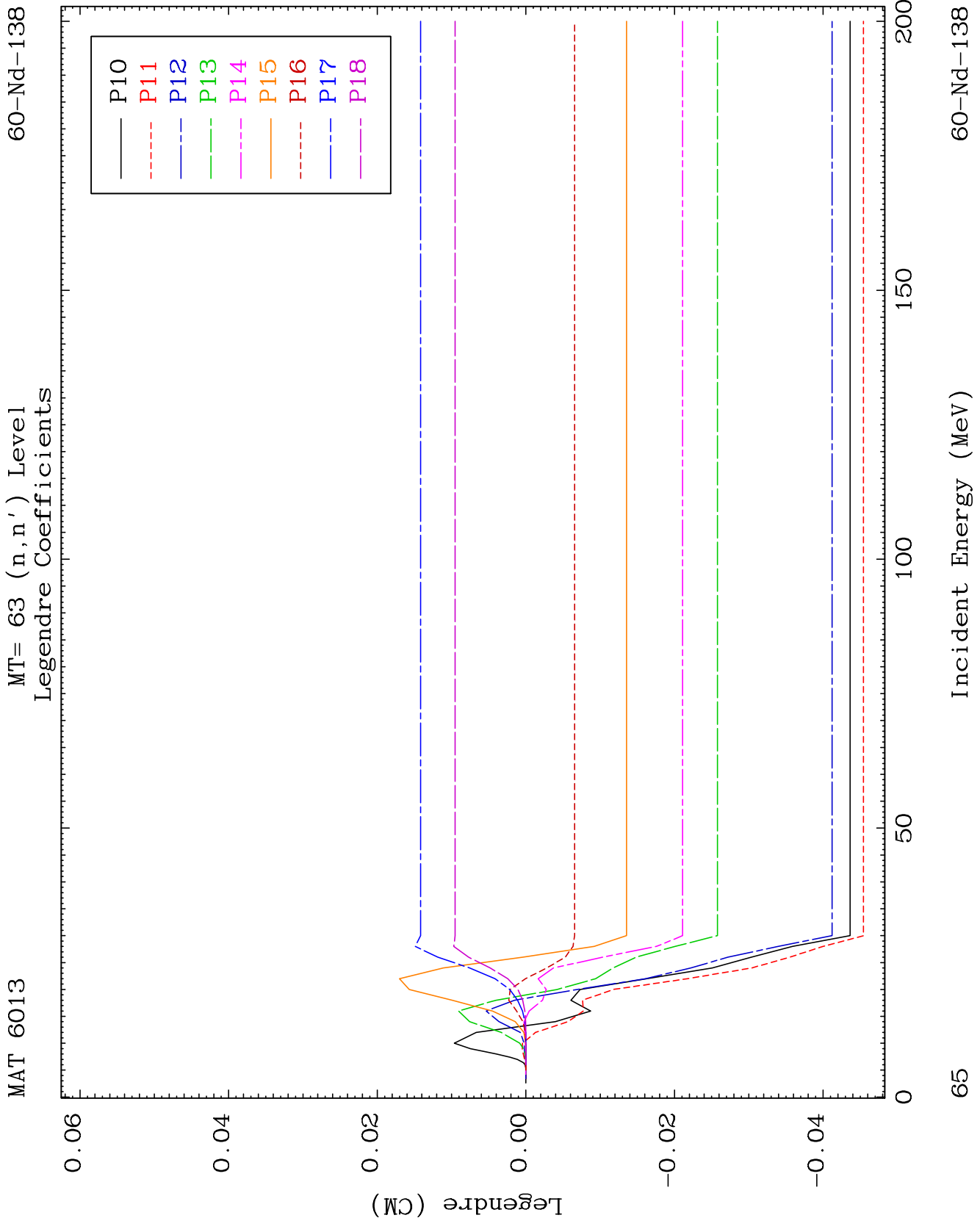
62

Incident Energy (MeV)

60-Nd-138



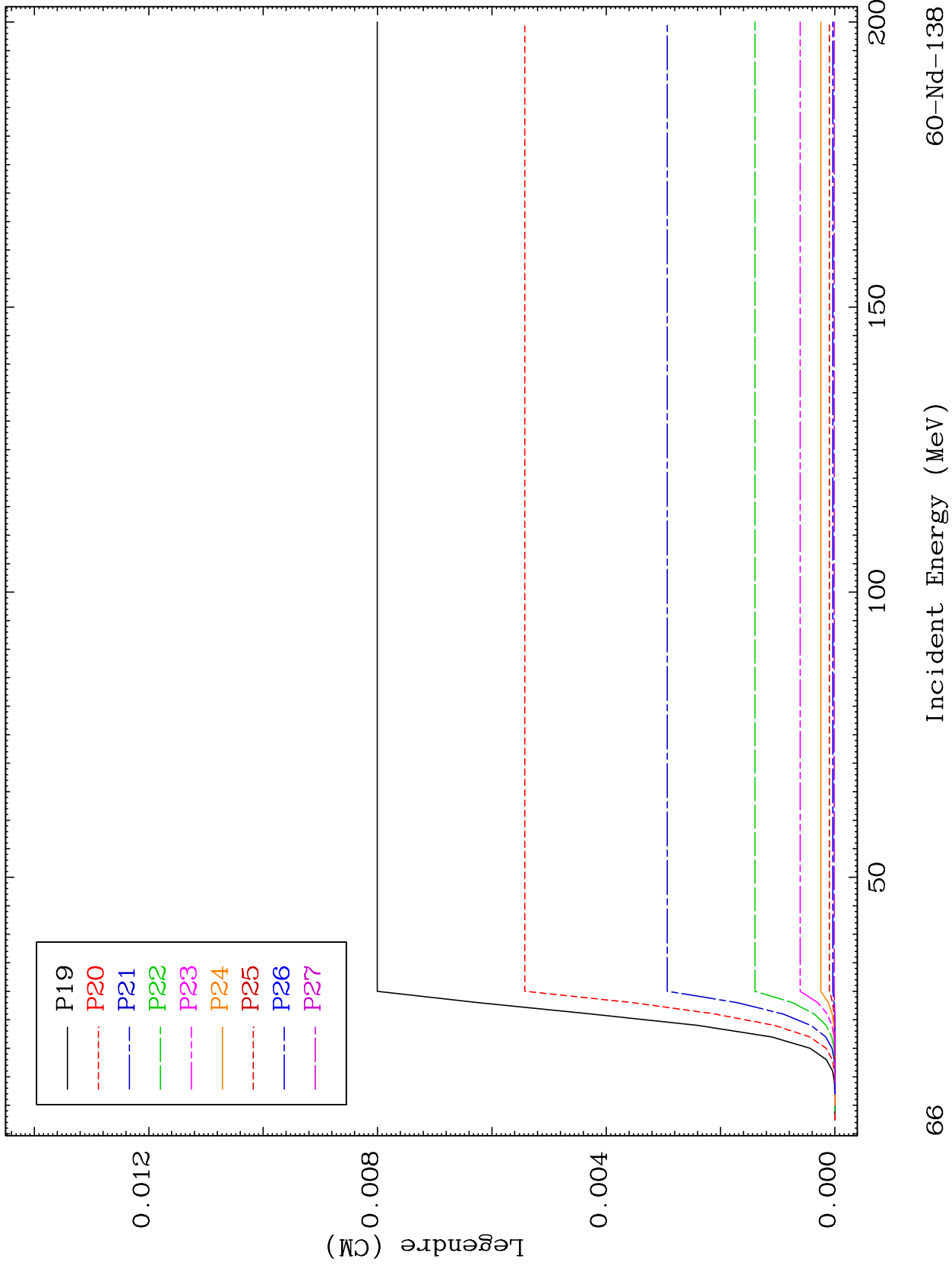




MAT 6013

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

60-Nd-138



66

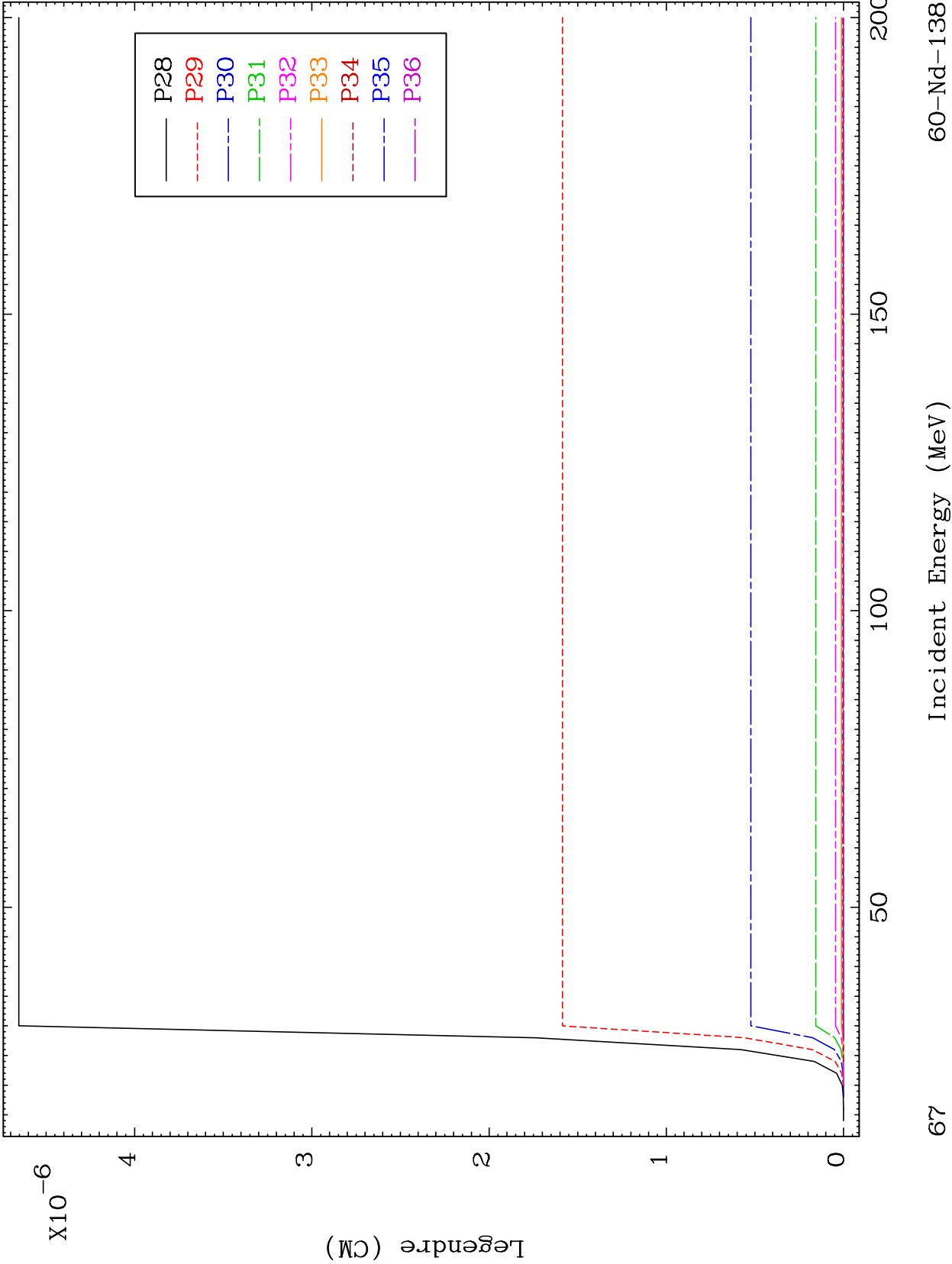
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

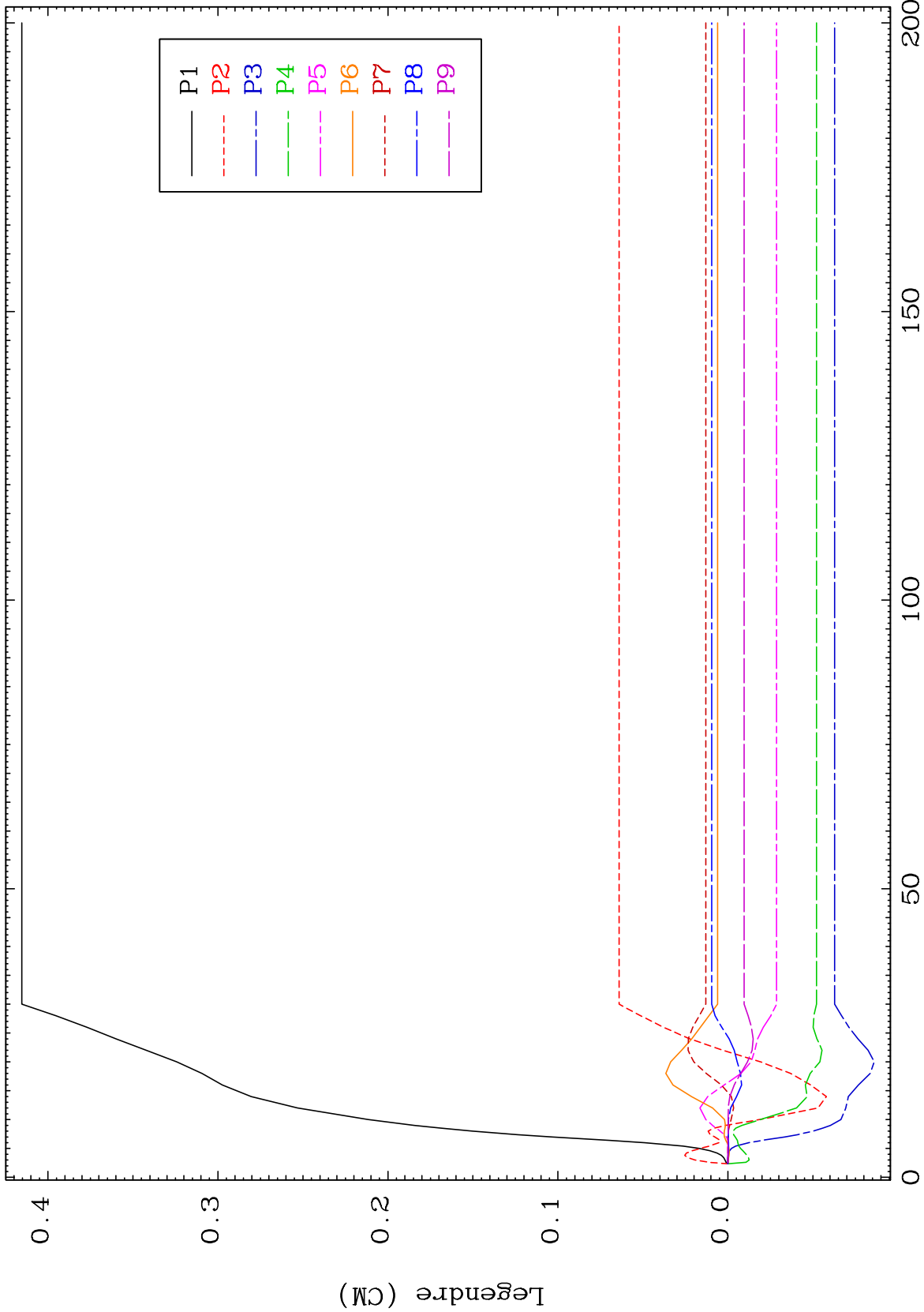
60-Nd-138



MAT 6013

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

60-Nd-138



60-Nd-138

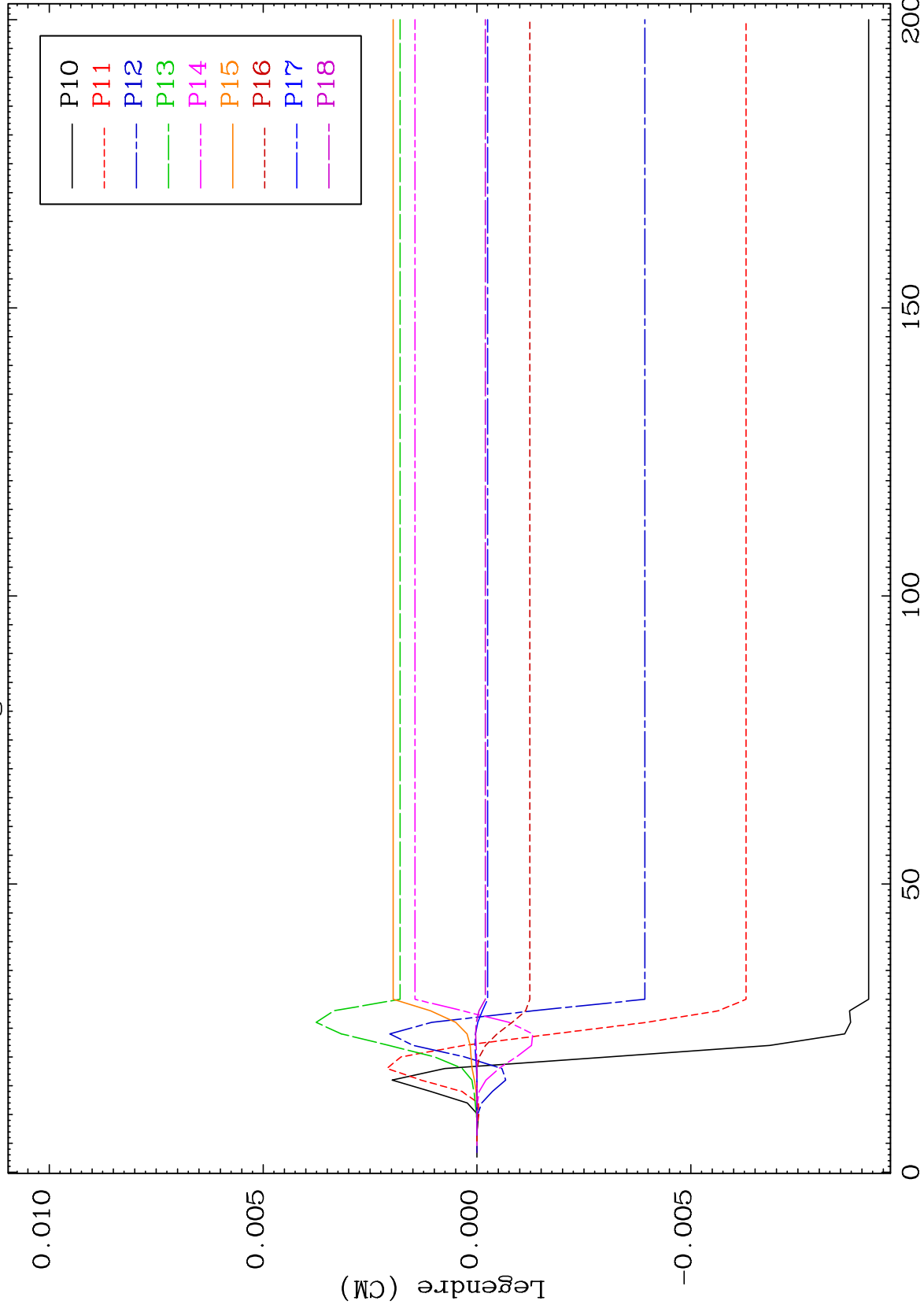
Incident Energy (MeV)

68

MAT 6013

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

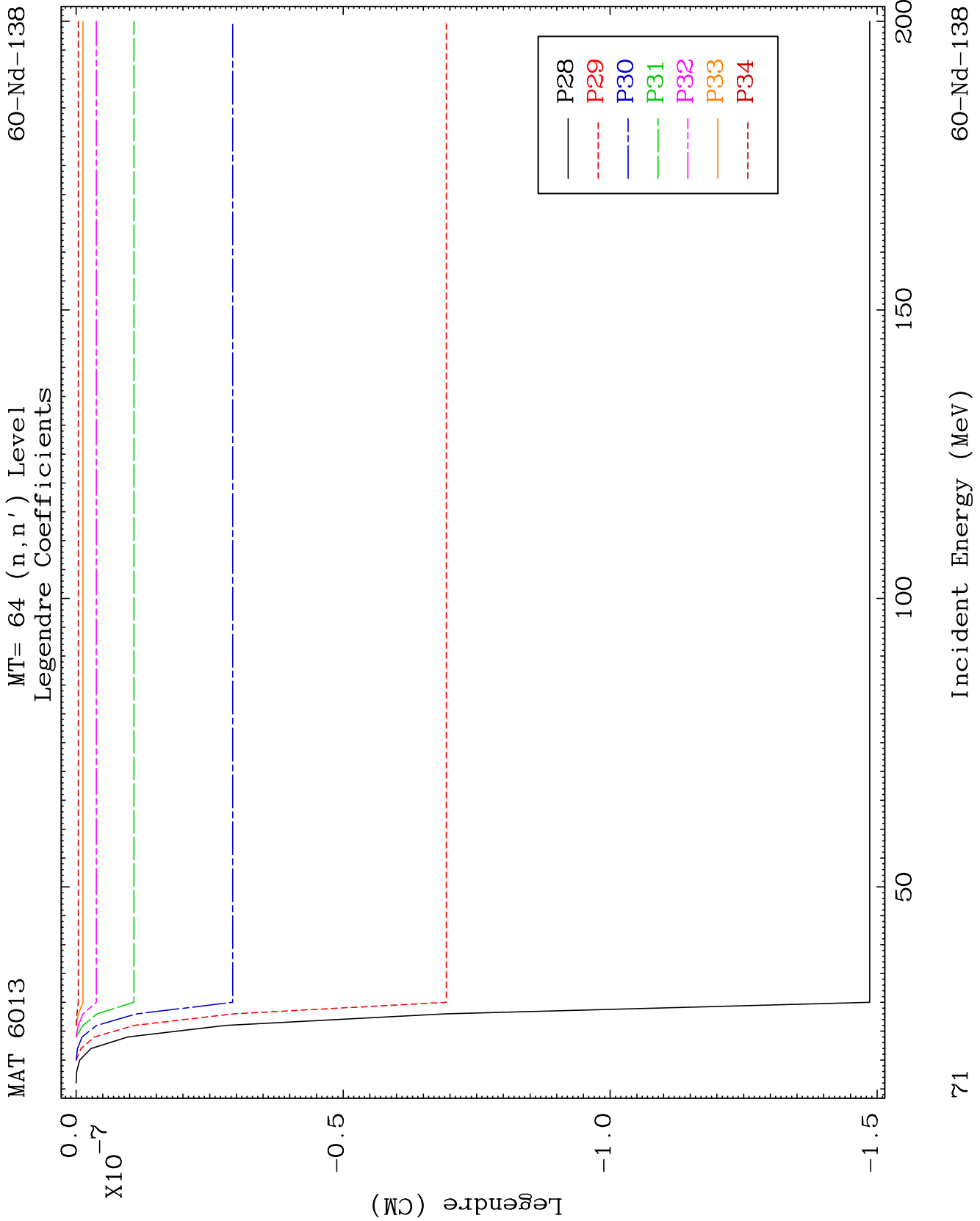
60-Nd-138

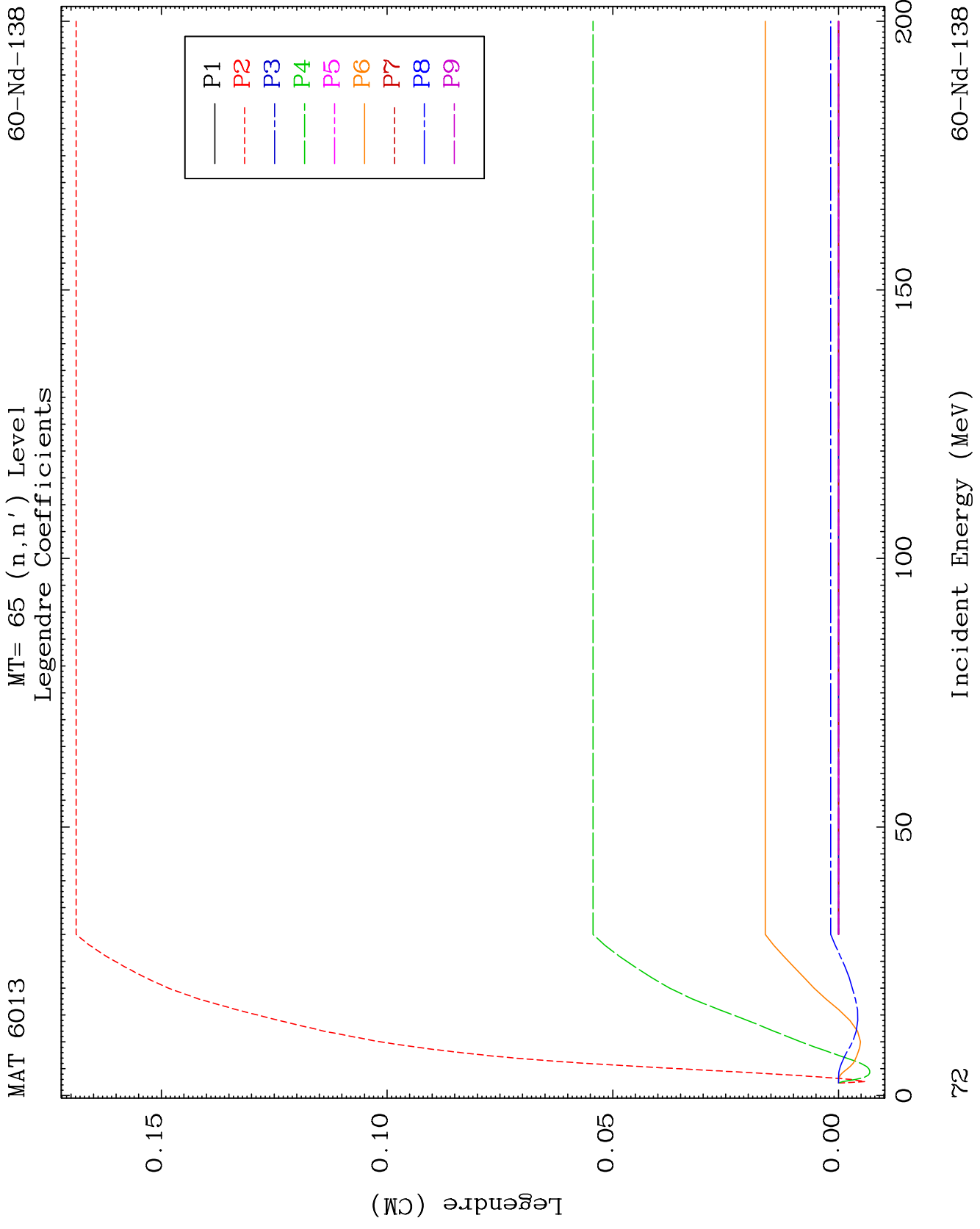


69

Incident Energy (MeV)

60-Nd-138

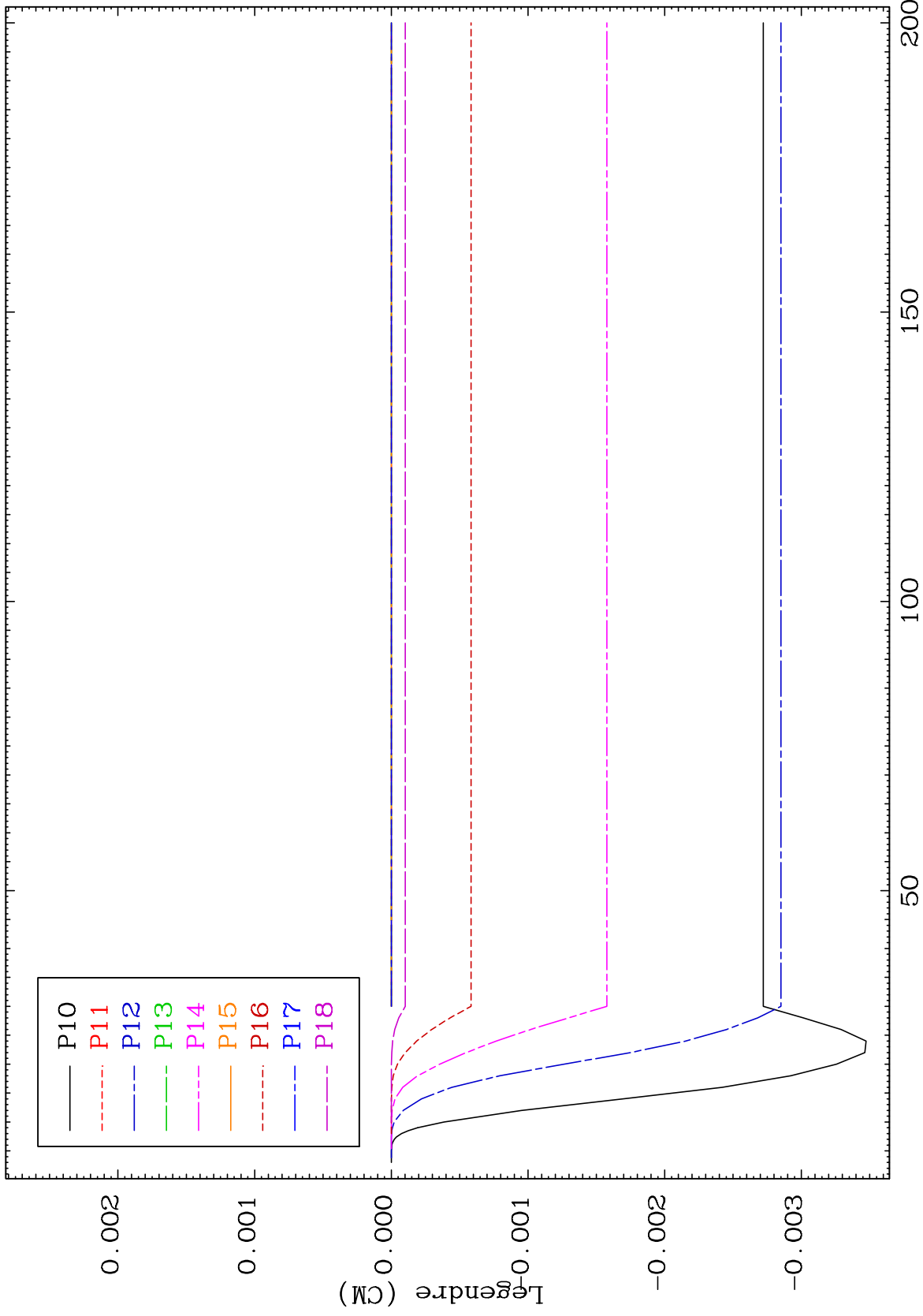




MAT 6013

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

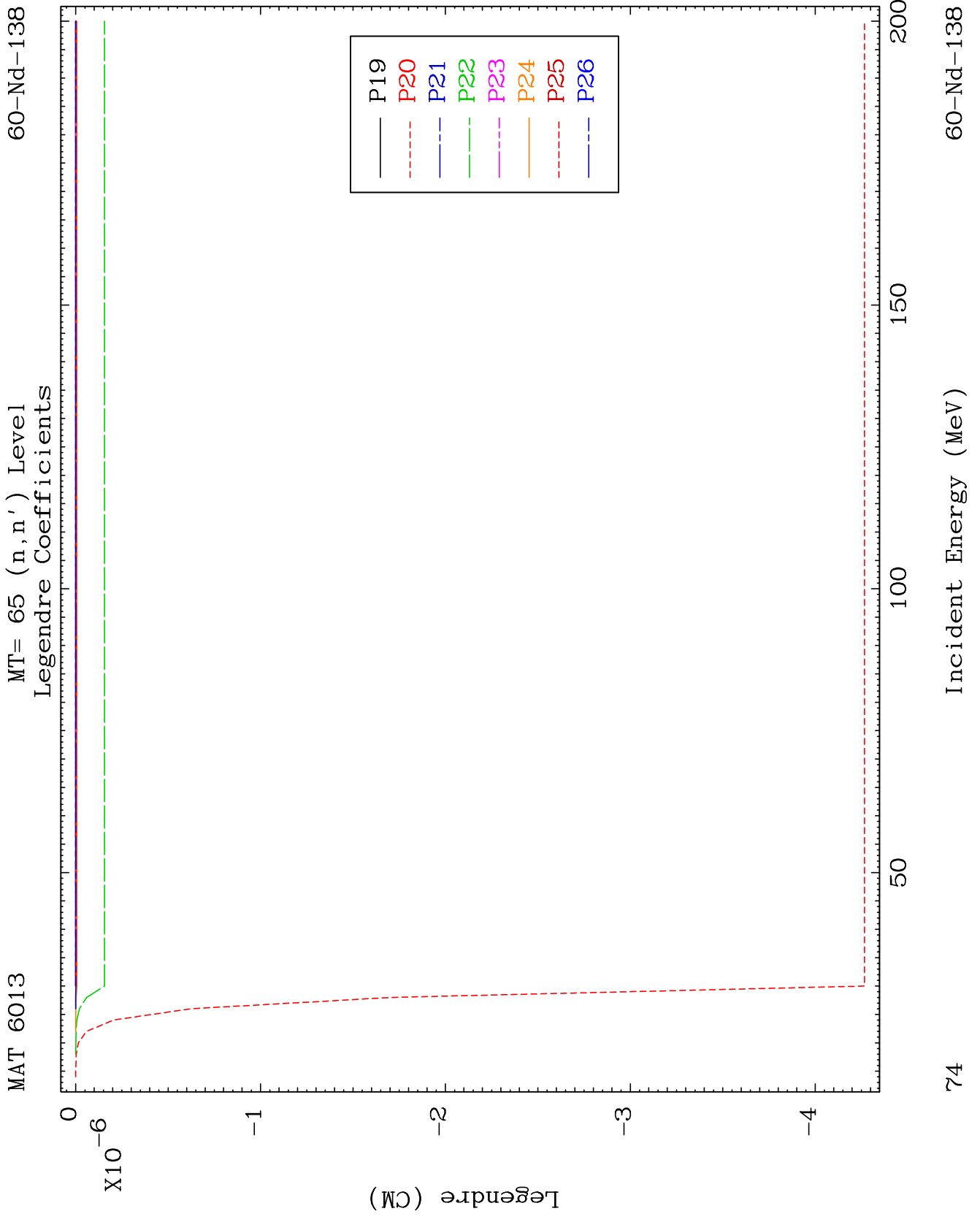
60-Nd-138



73

Incident Energy (MeV)

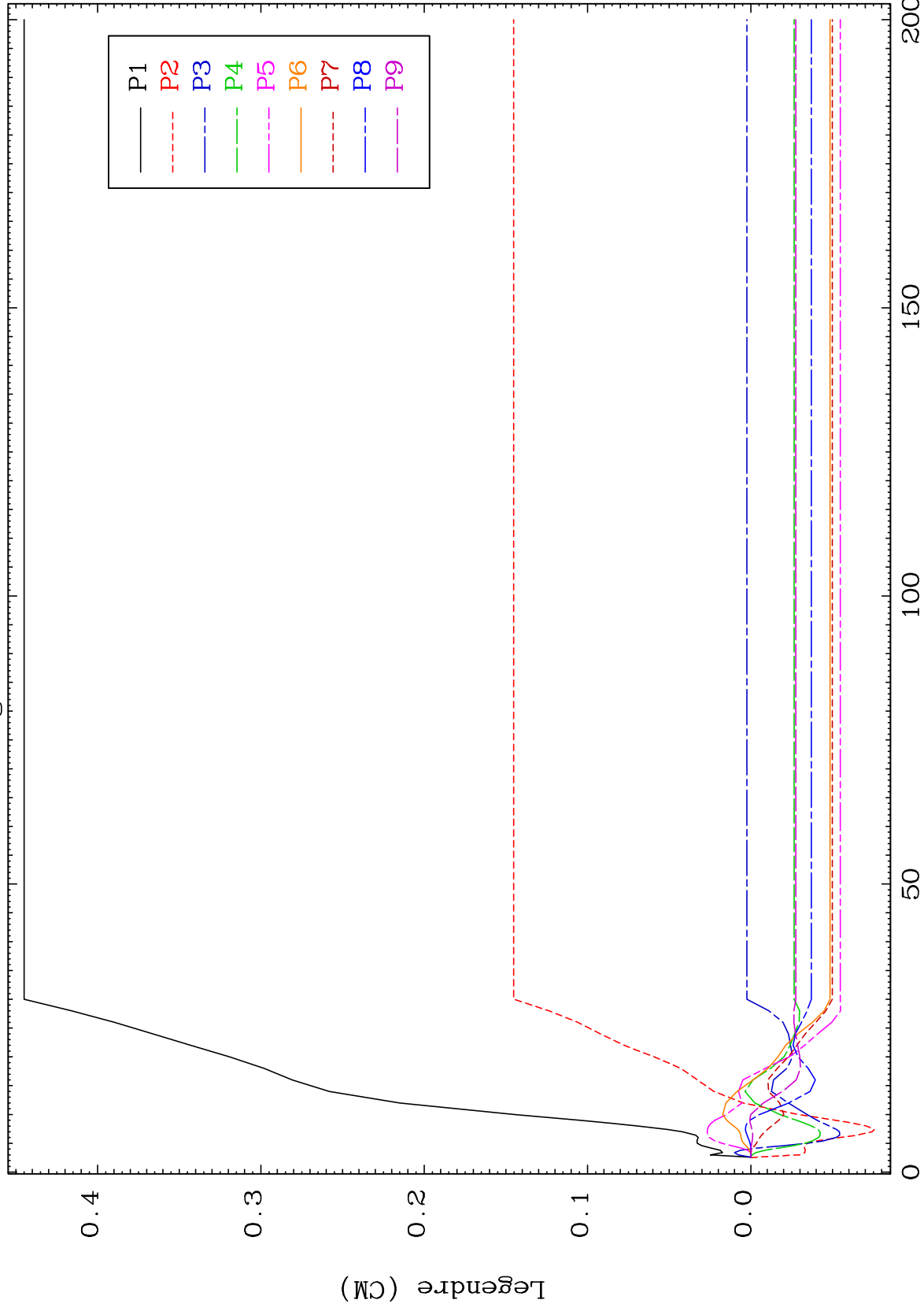
60-Nd-138



MAT 6013

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

60-Nd-138



60-Nd-138

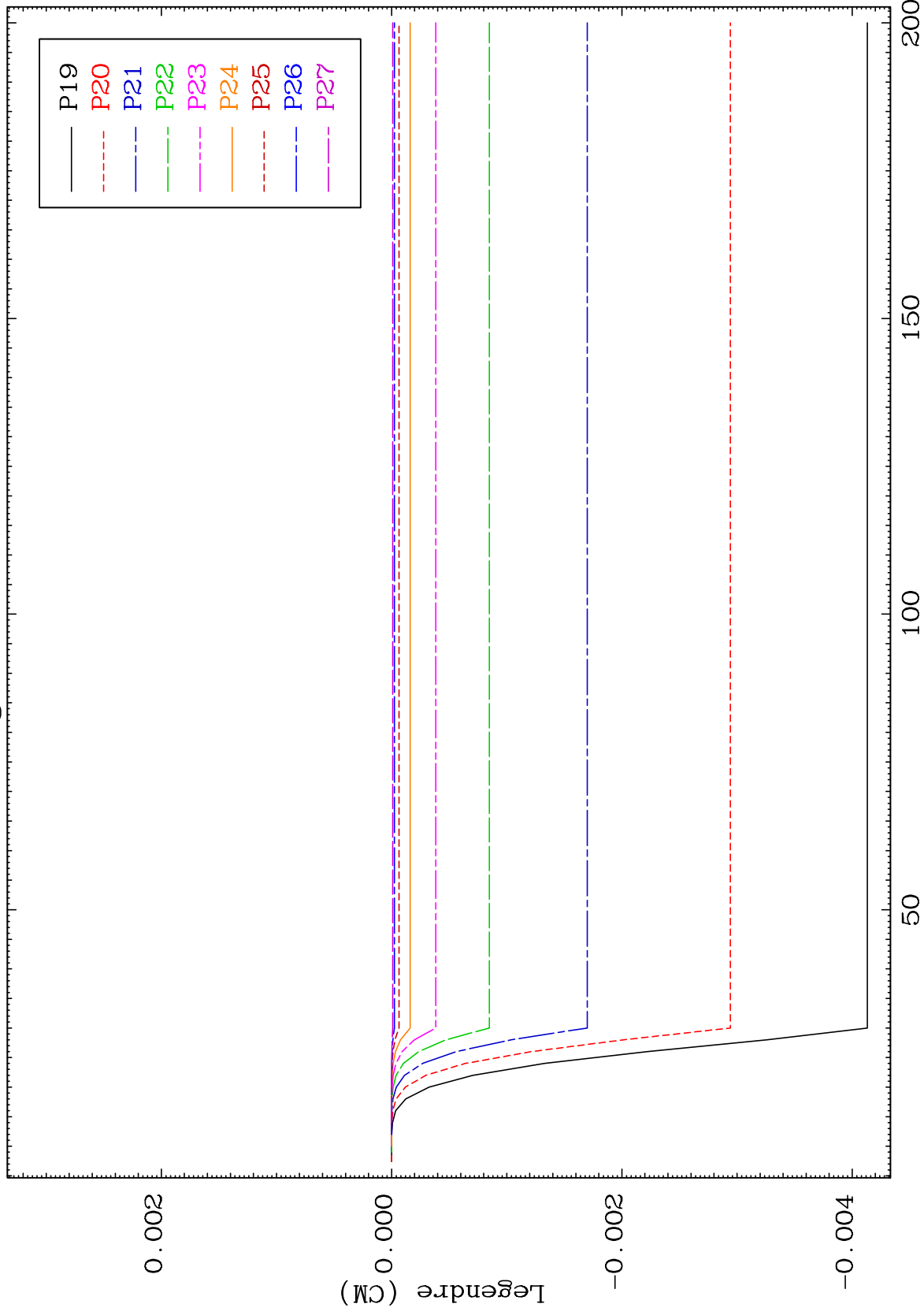
Incident Energy (MeV)

75

MAT 6013

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

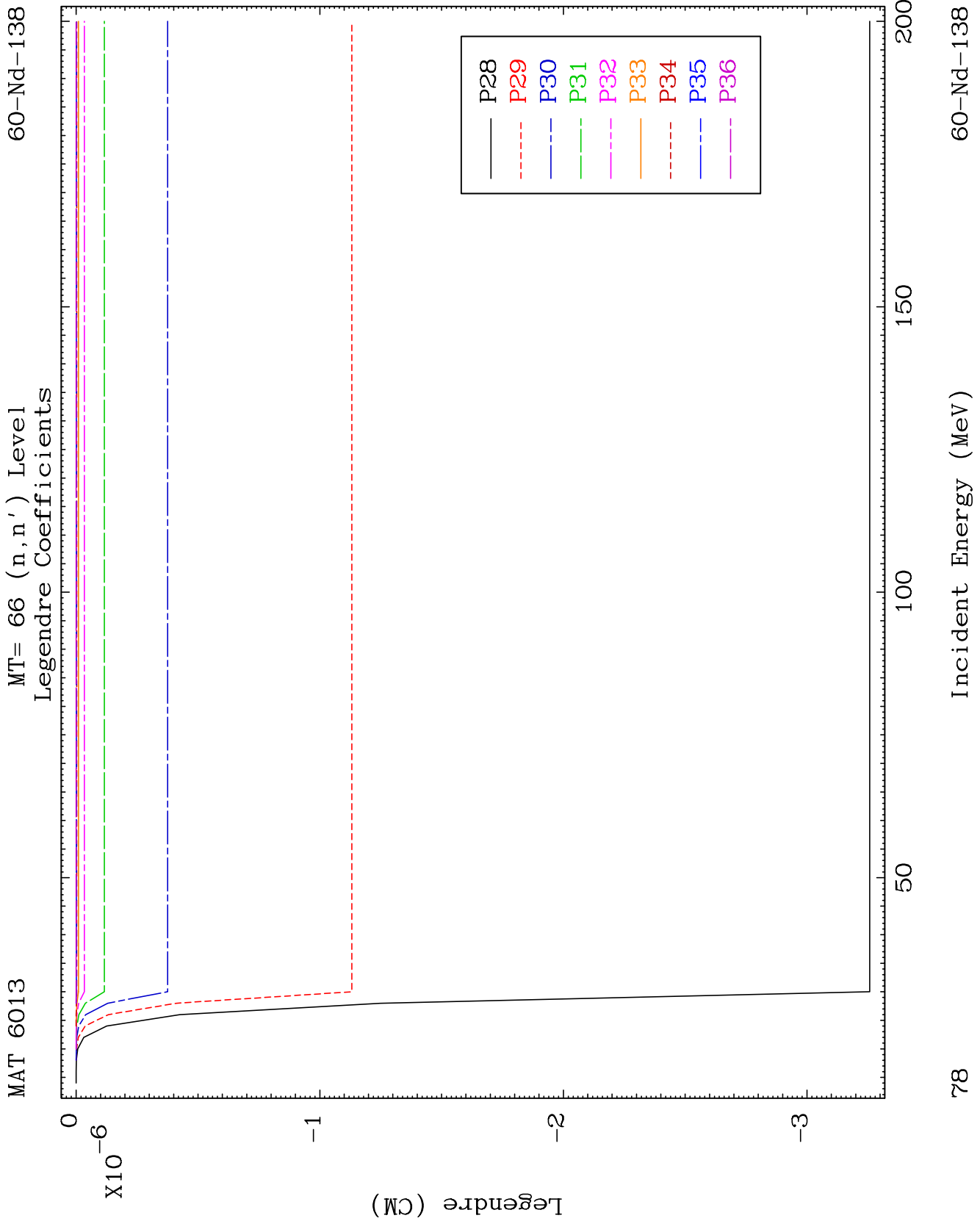
60-Nd-138



77

Incident Energy (MeV)

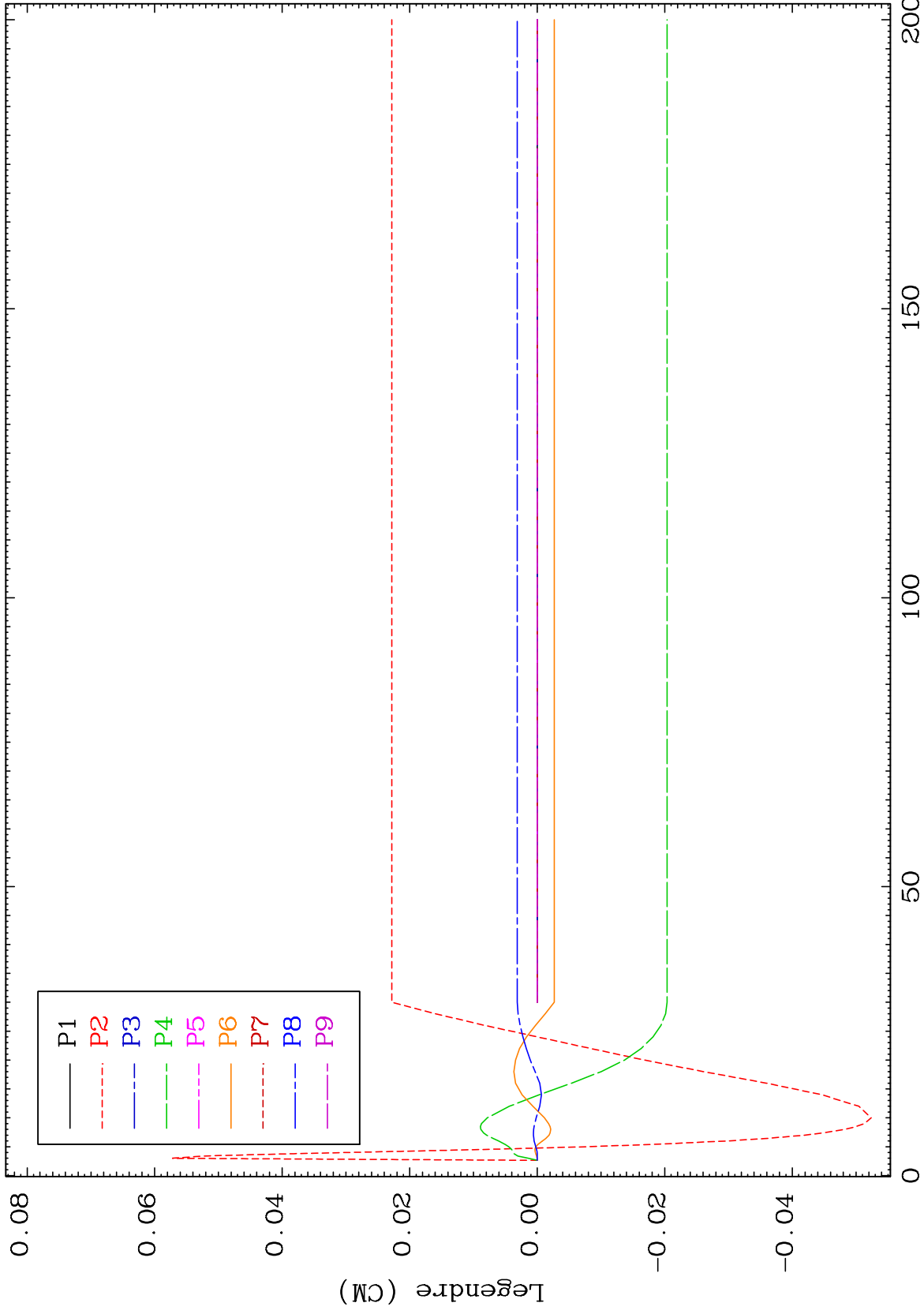
60-Nd-138



MAT 6013

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

60-Nd-138



79

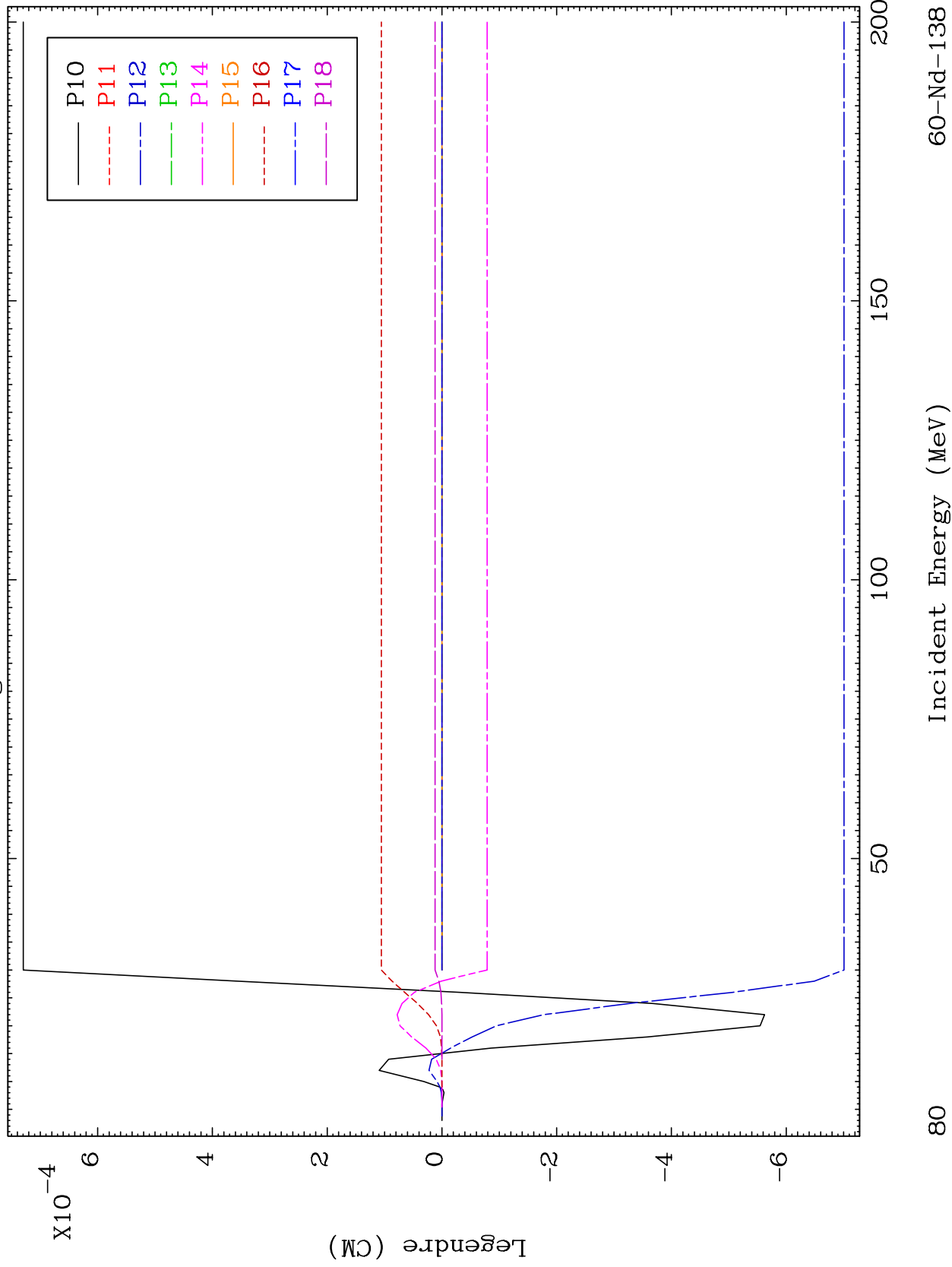
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

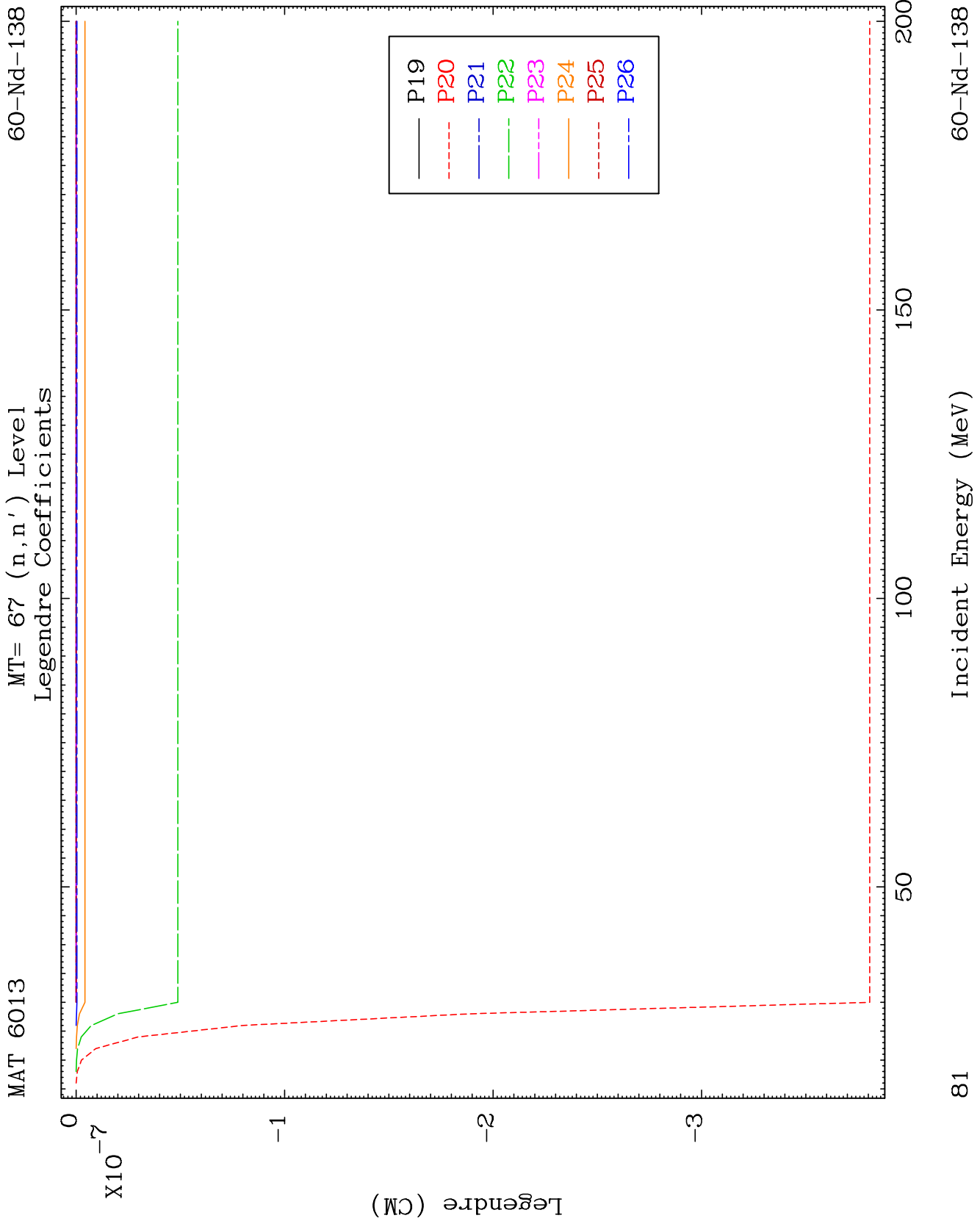
60-Nd-138

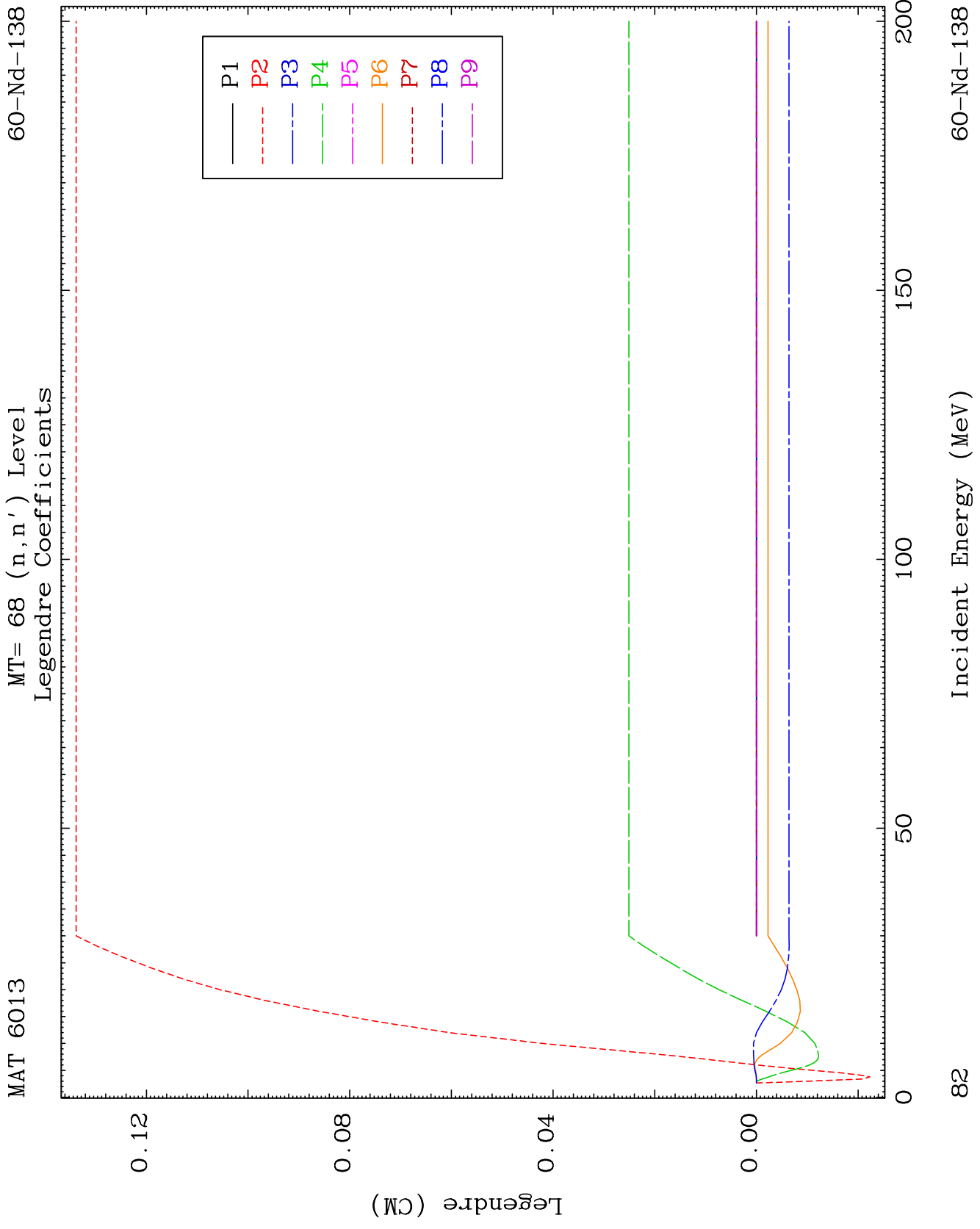


80

Incident Energy (MeV)

60-Nd-138

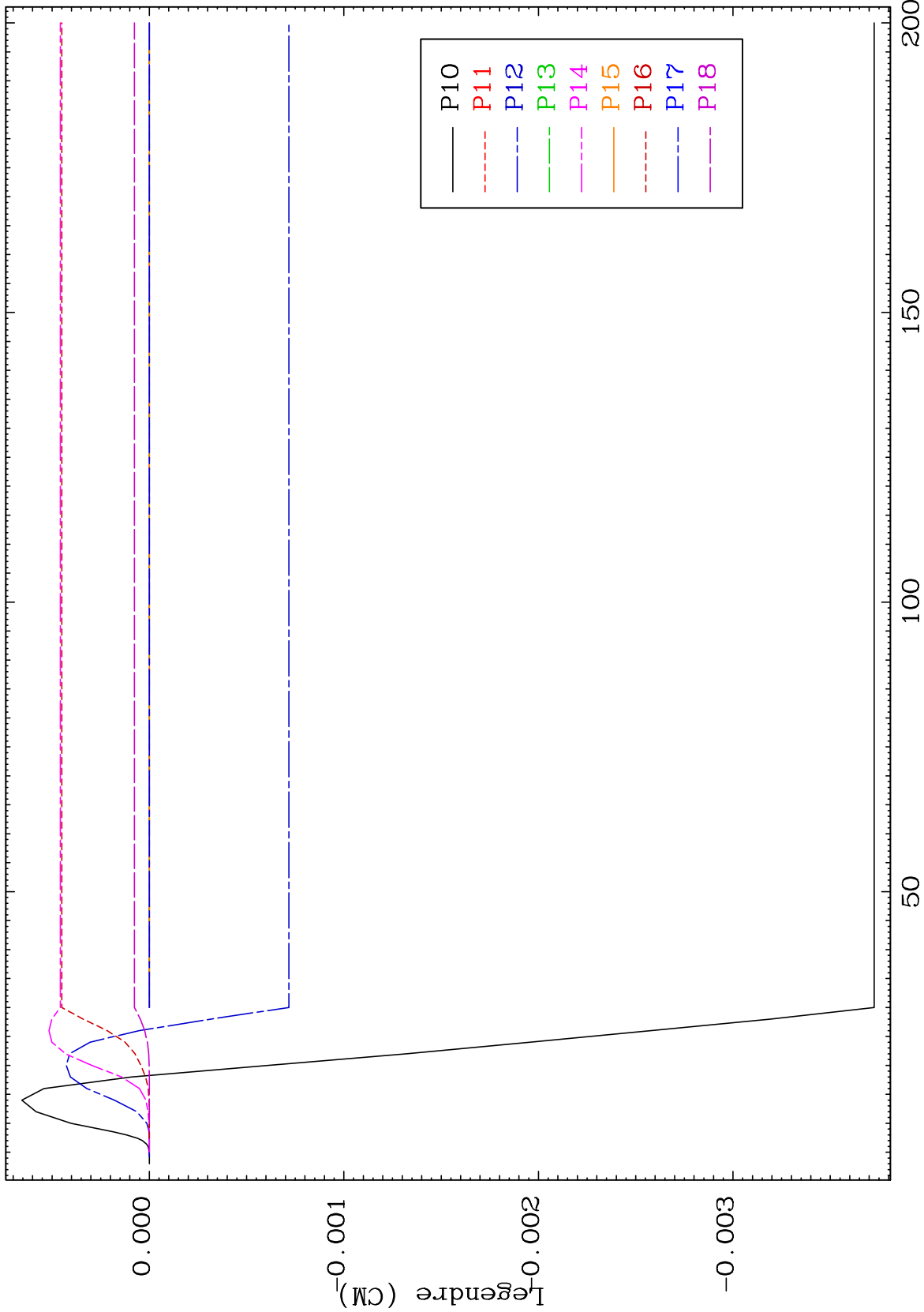




MAT 6013

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

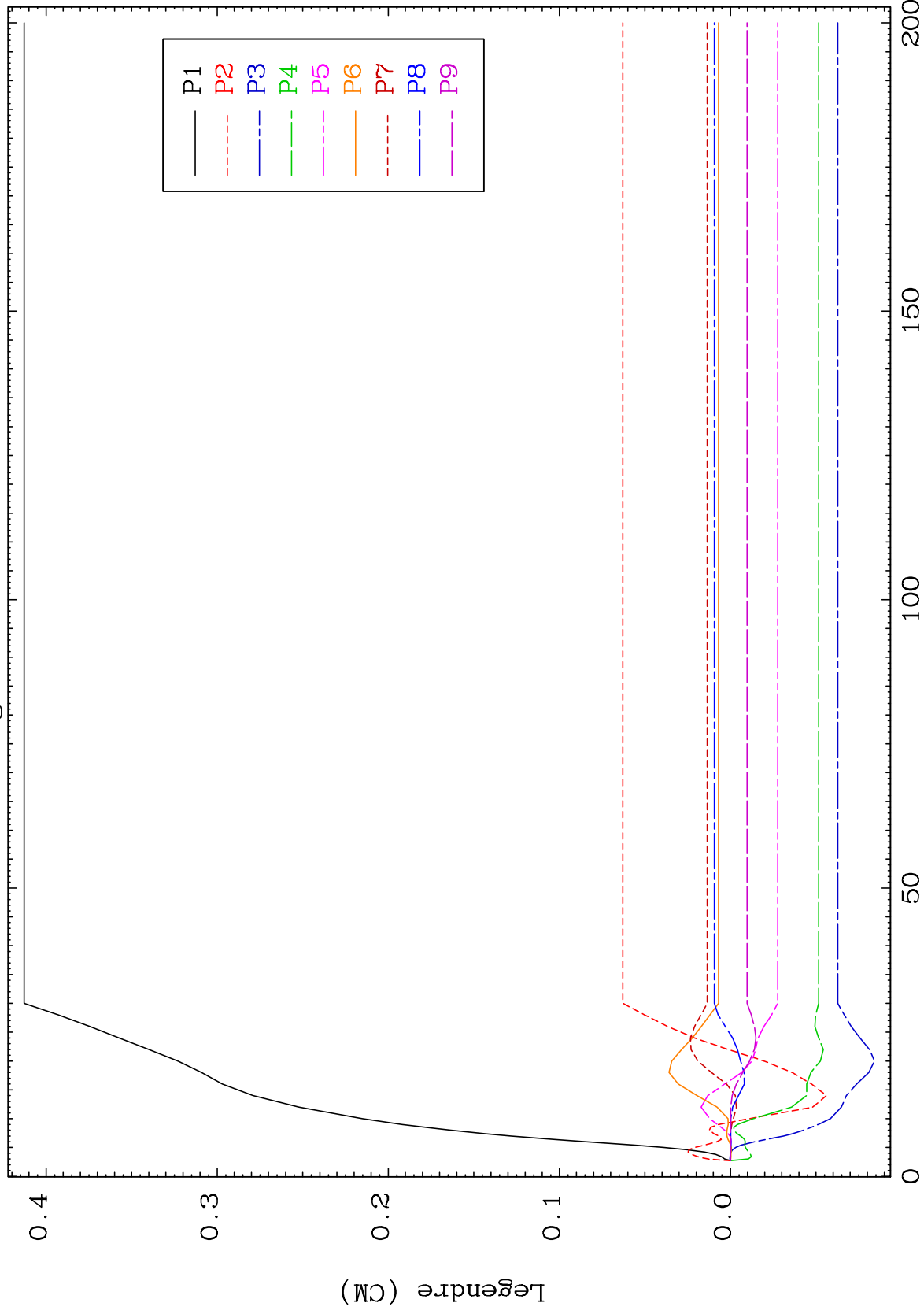
60-Nd-138



MAT 6013

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

60-Nd-138



85

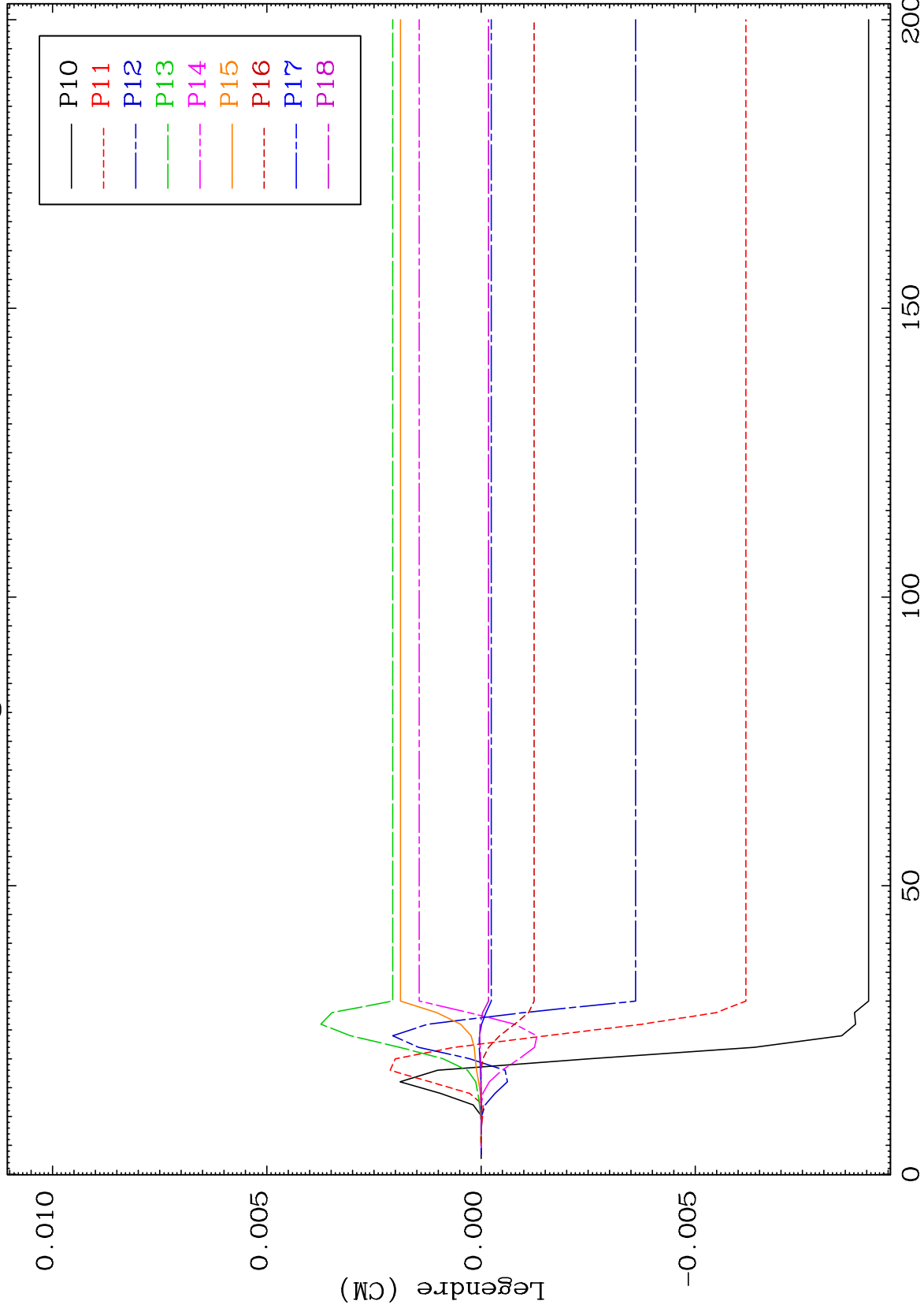
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



86

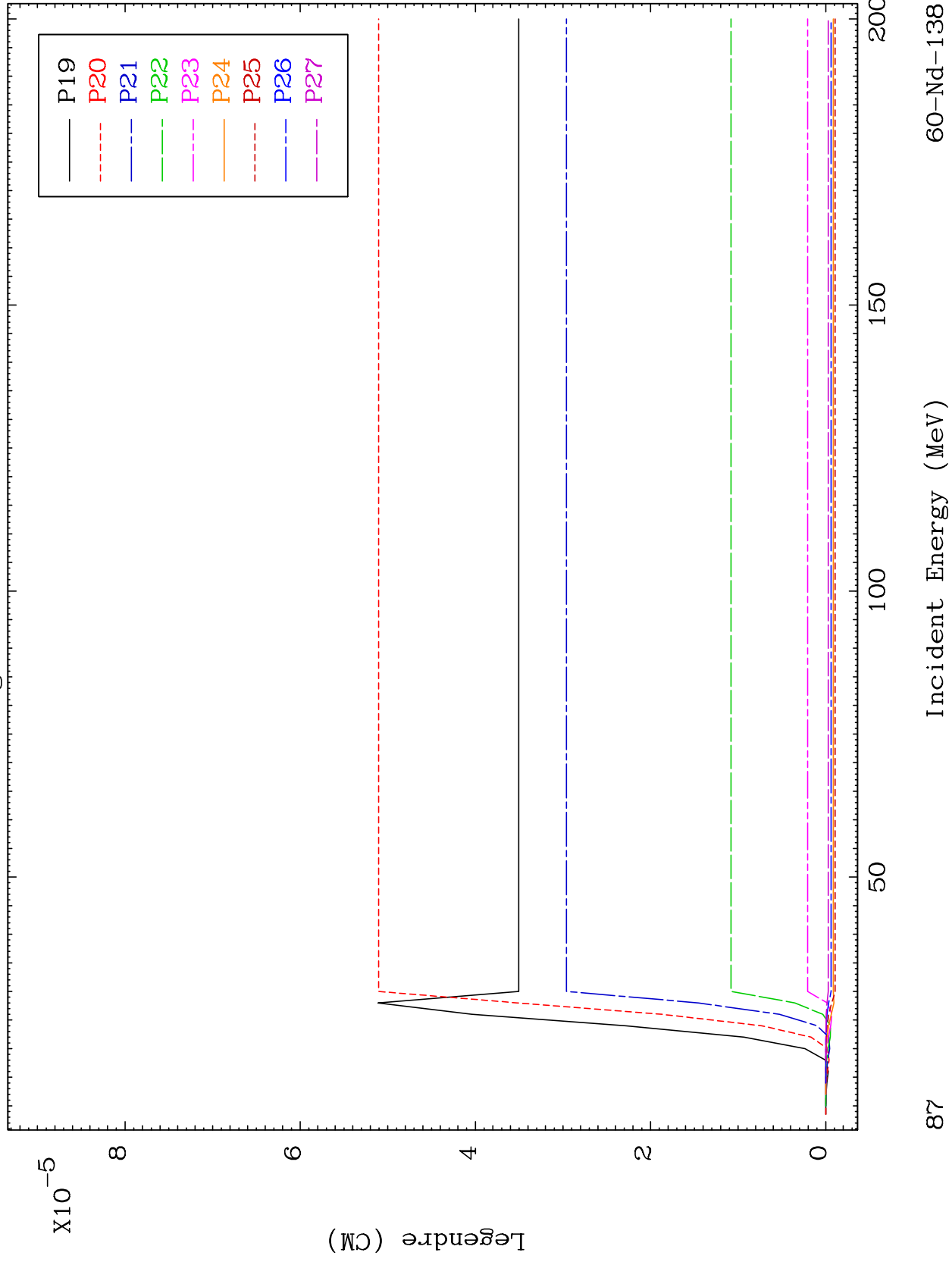
Incident Energy (MeV)

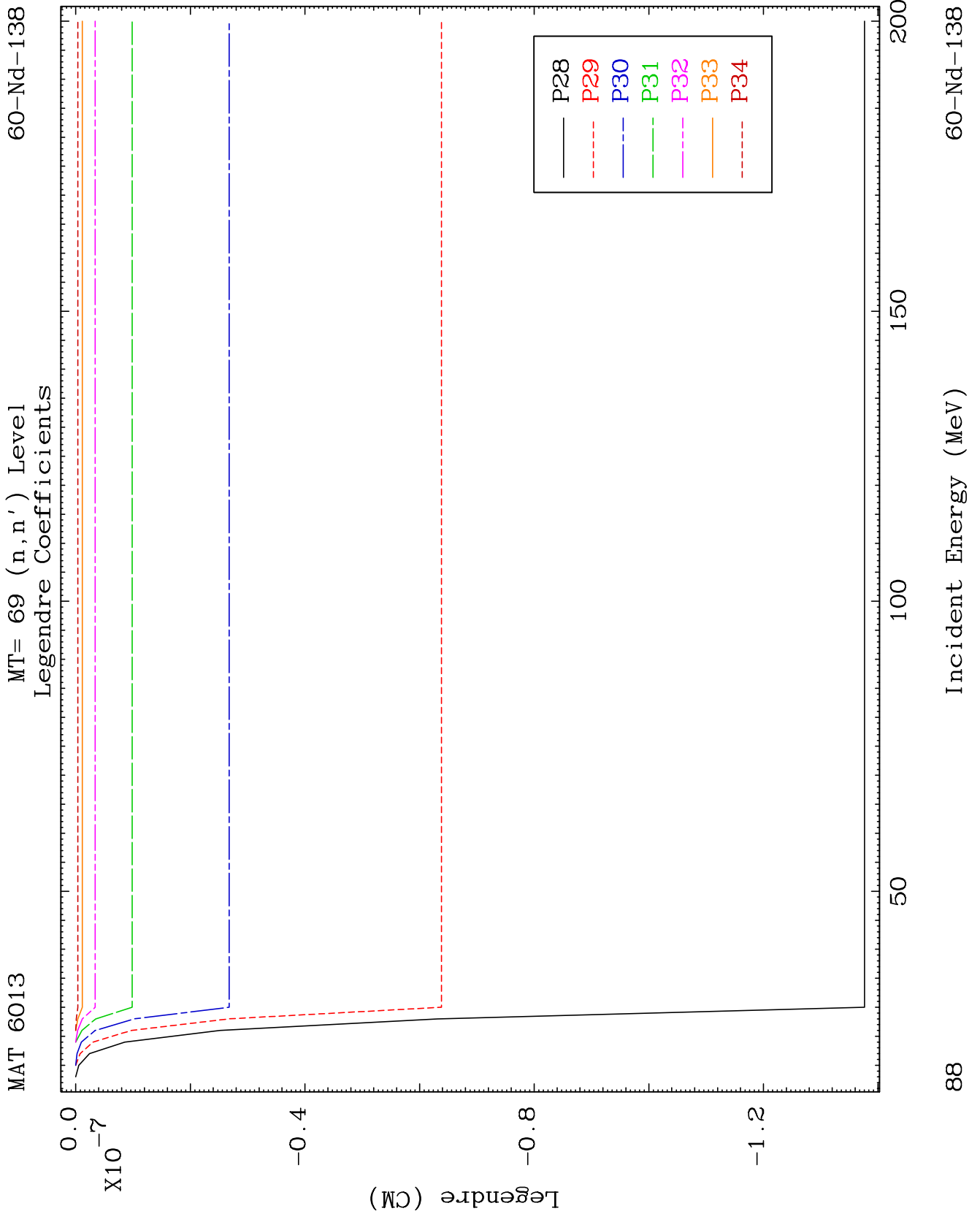
60-Nd-138

MAT 6013

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

60-Nd-138

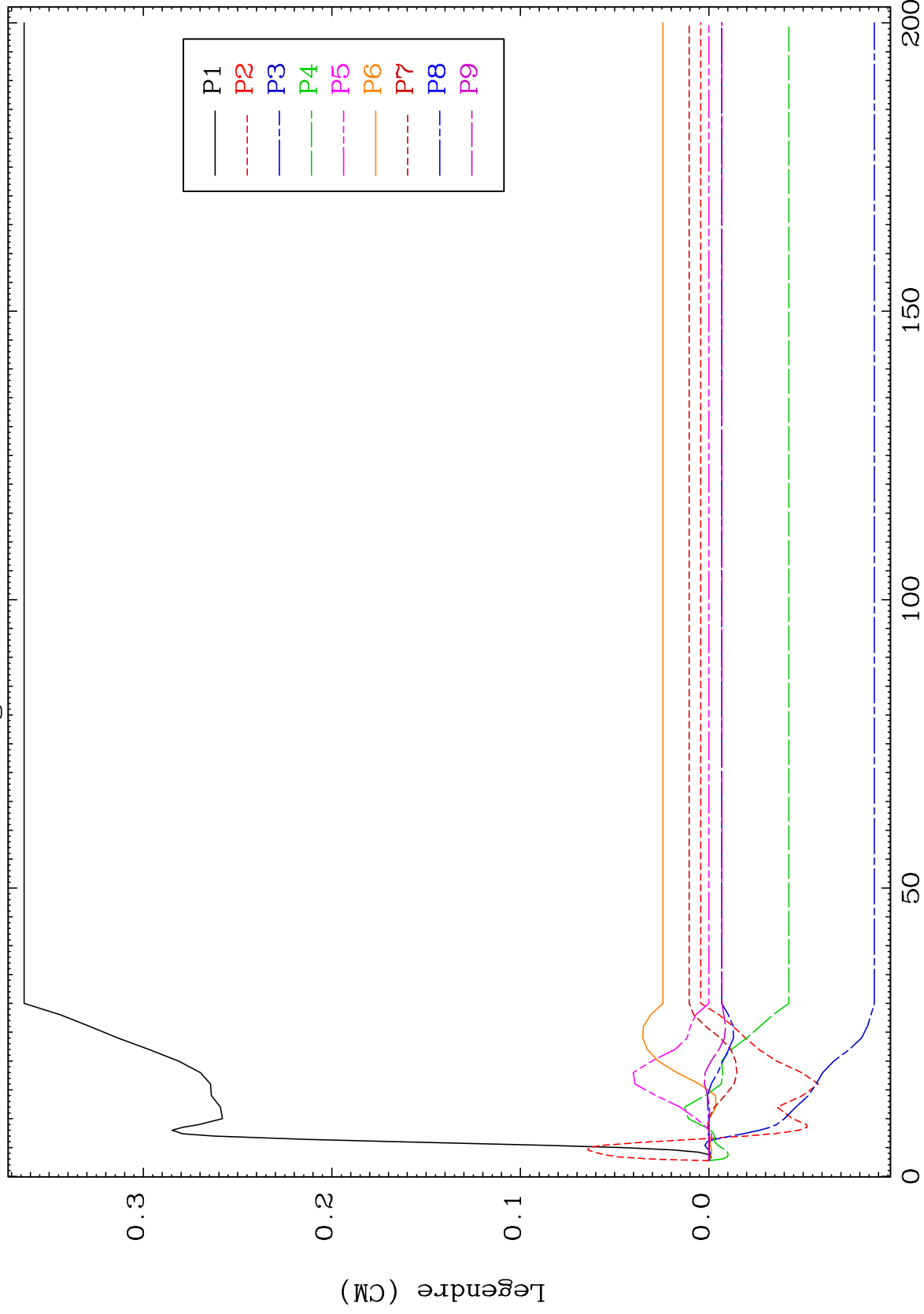




MAT 6013

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

60-Nd-138



89

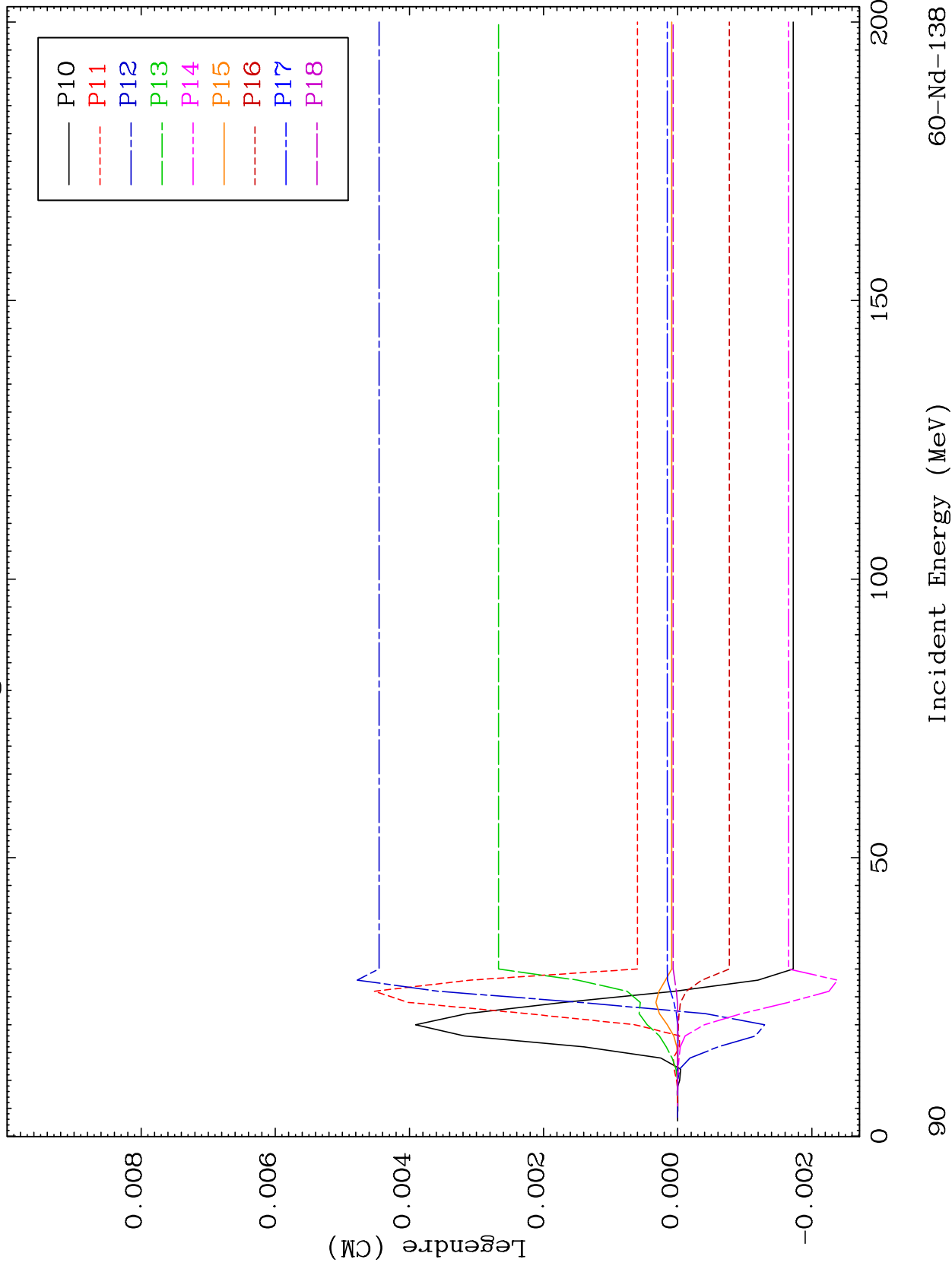
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



60-Nd-138

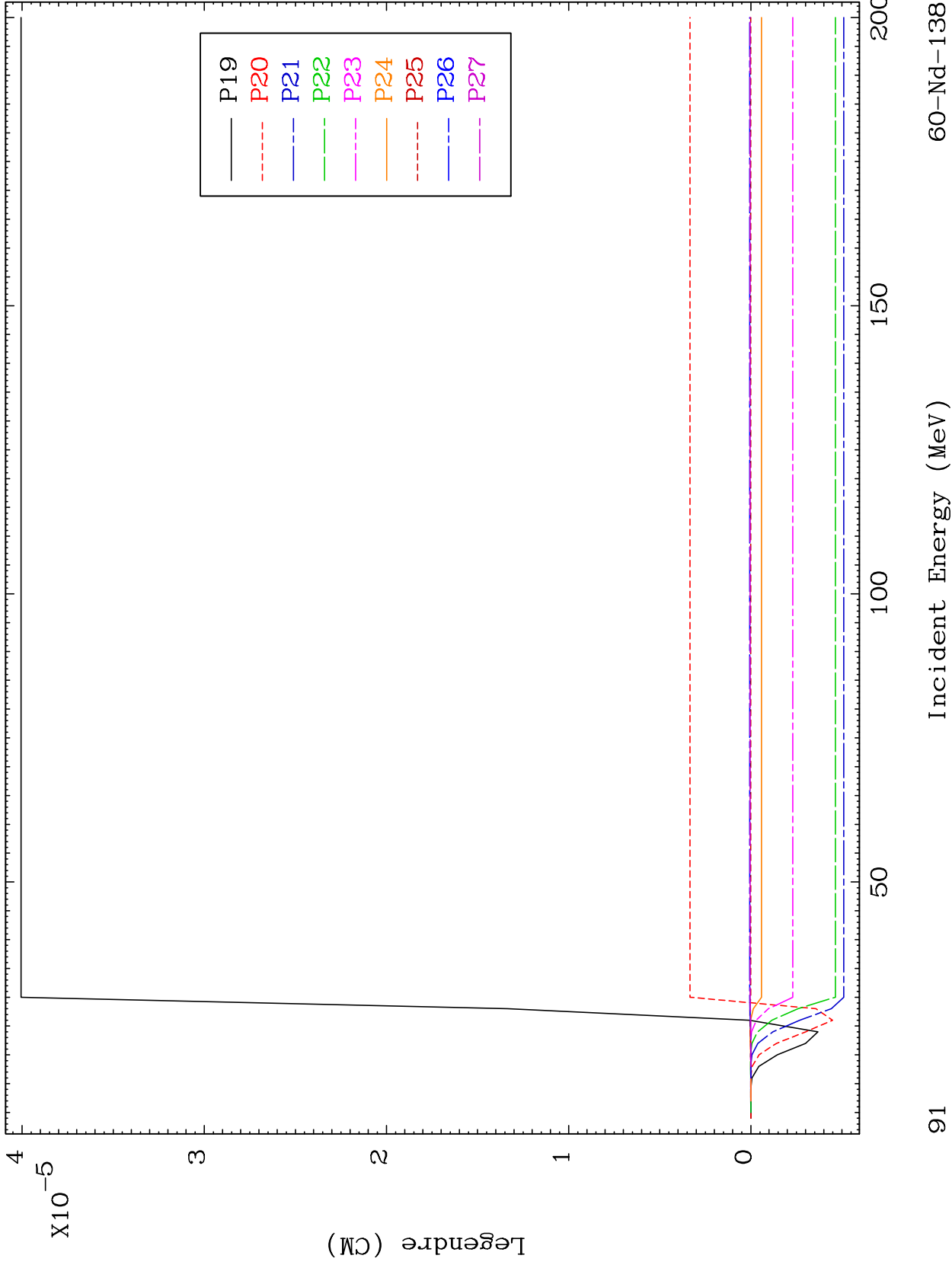
Incident Energy (MeV)

90

MAT 6013

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

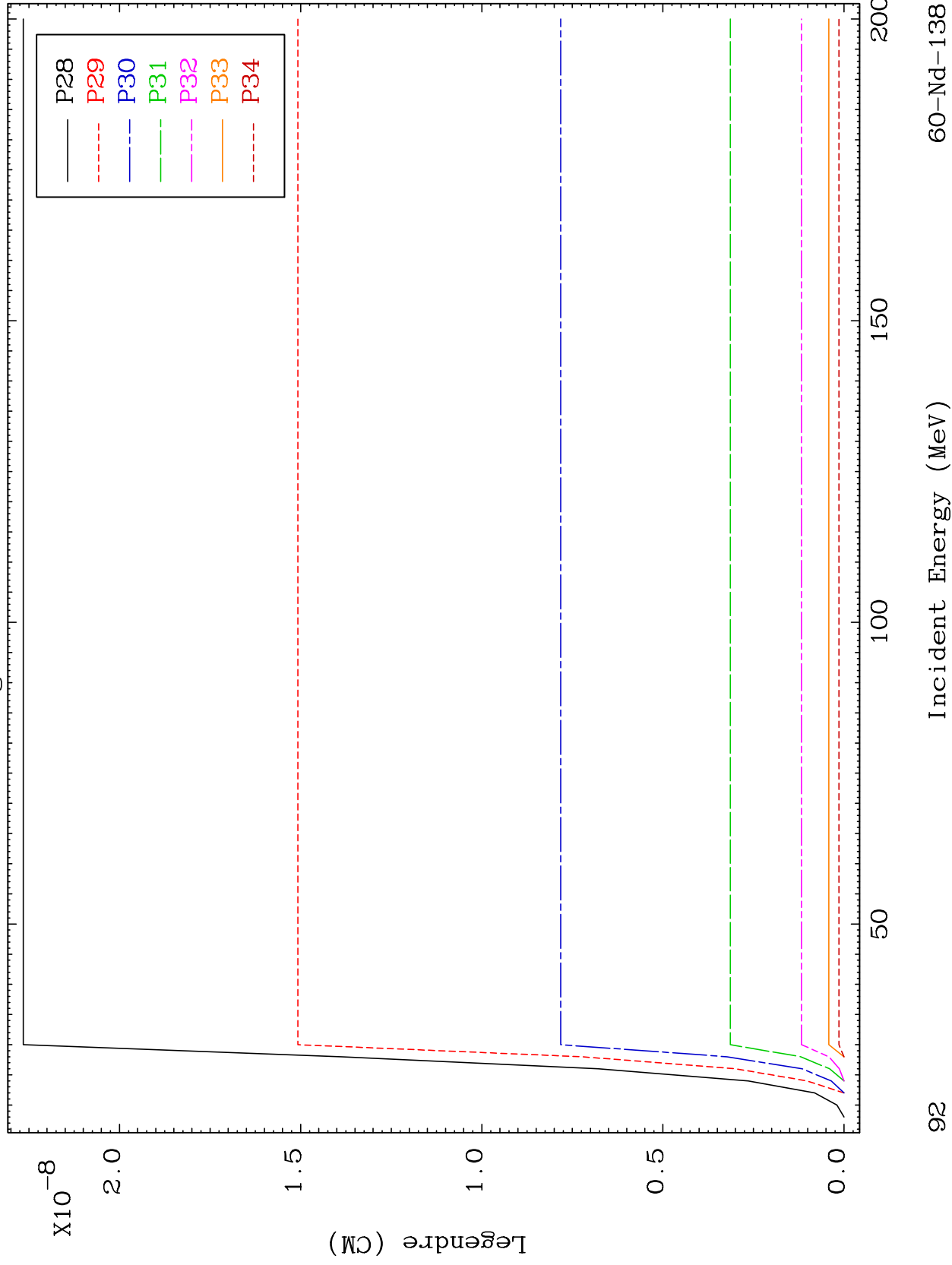
60-Nd-138



MAT 6013

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

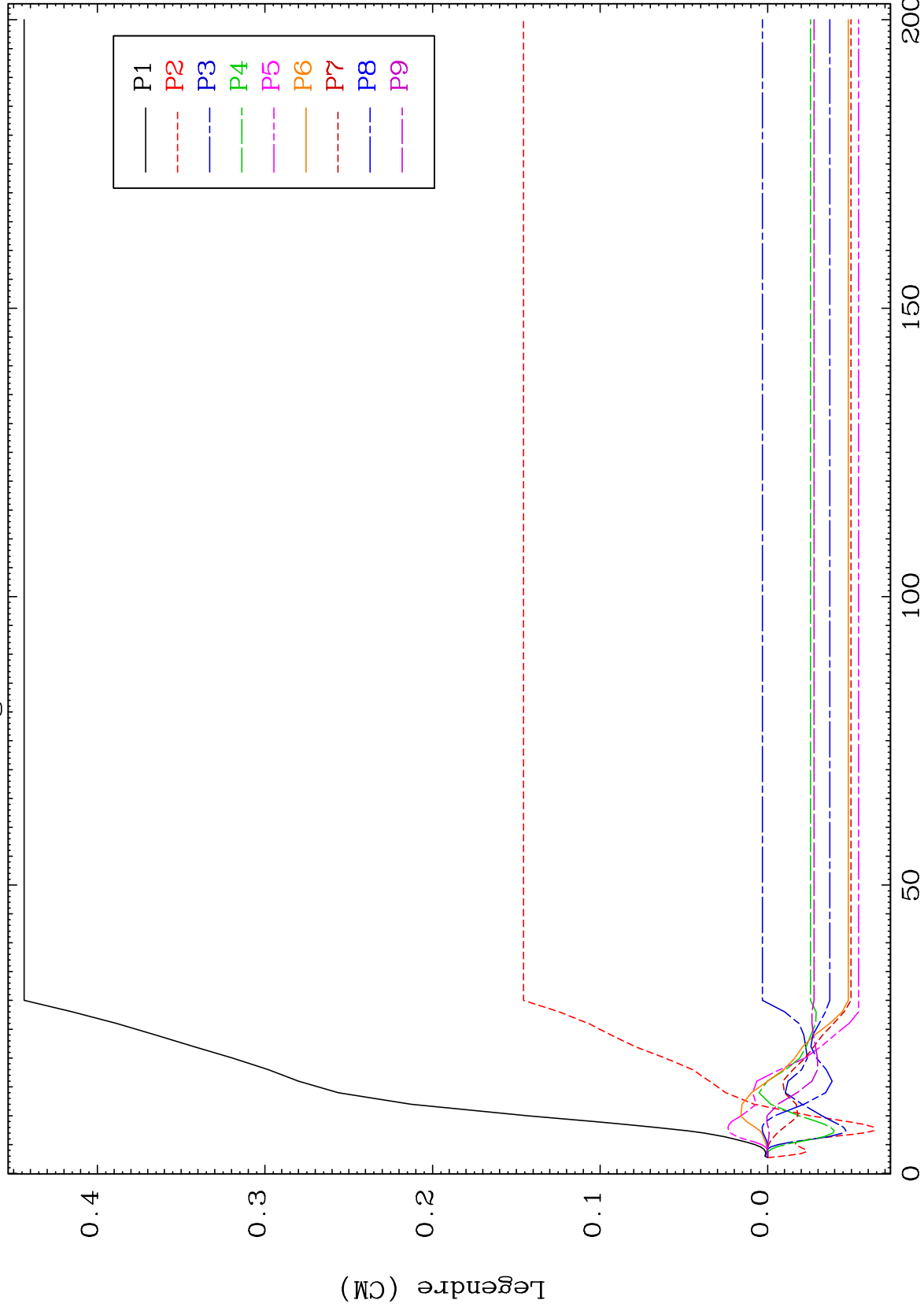
60-Nd-138



MAT 6013

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

60-Nd-138



93

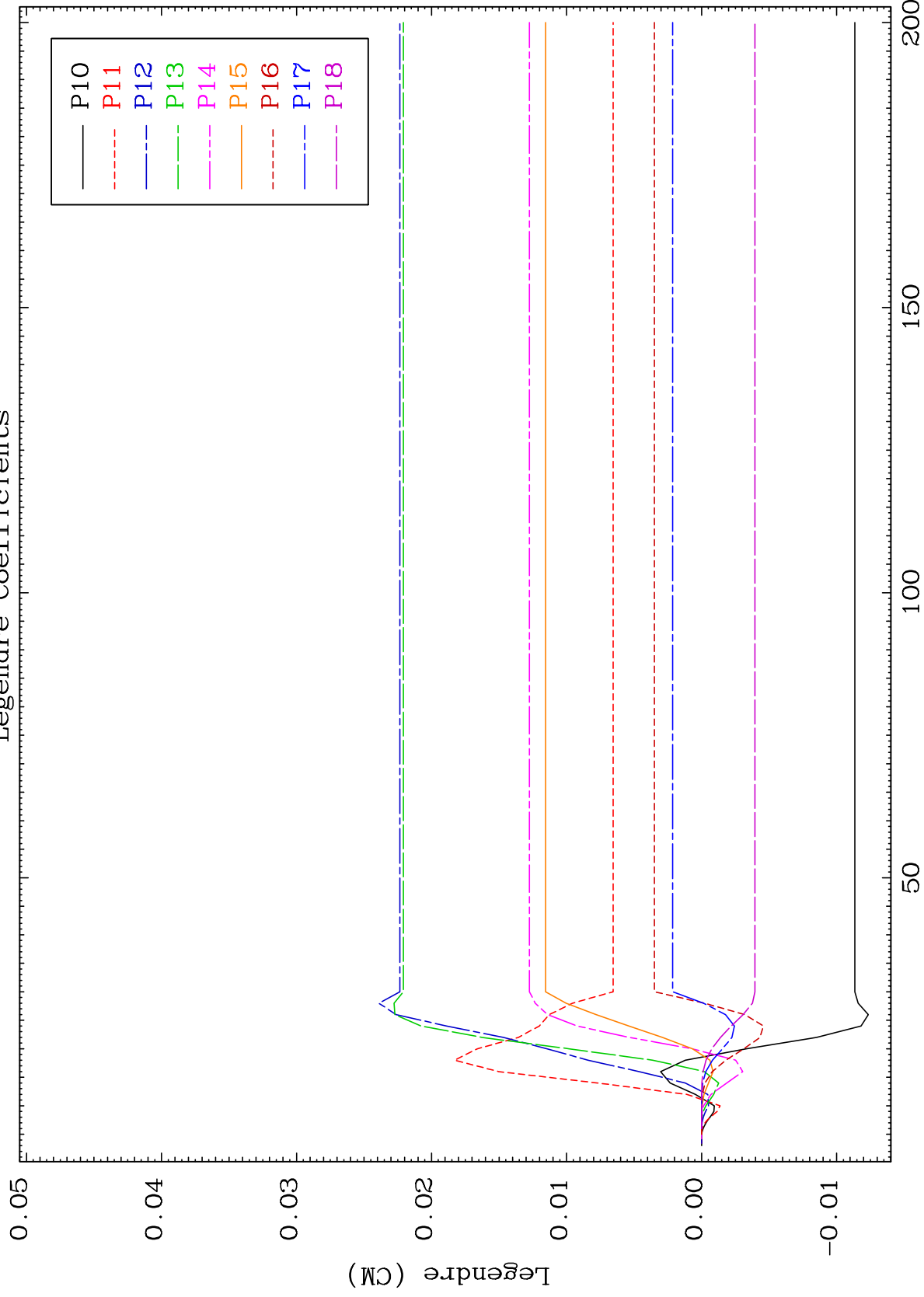
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



94

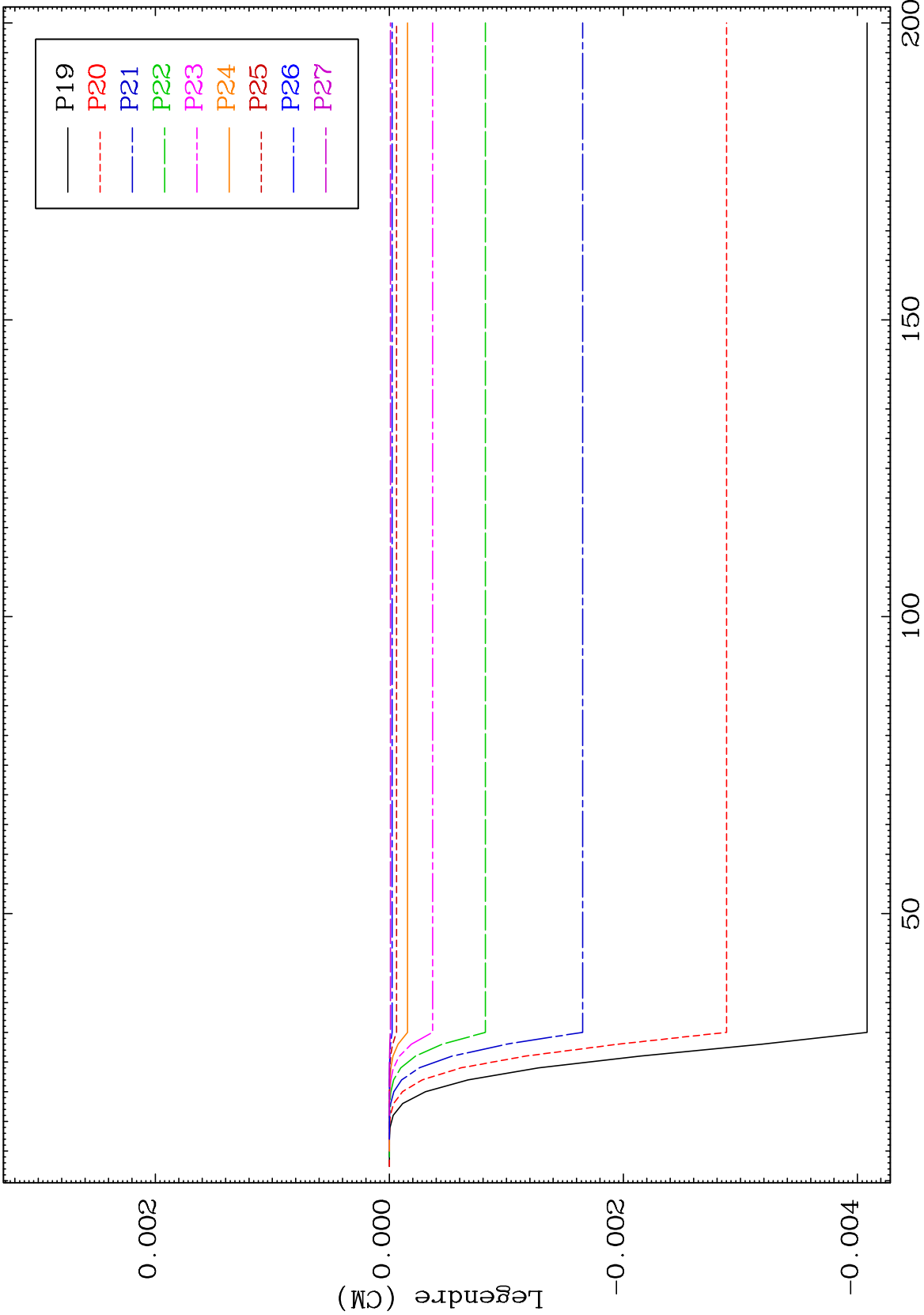
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

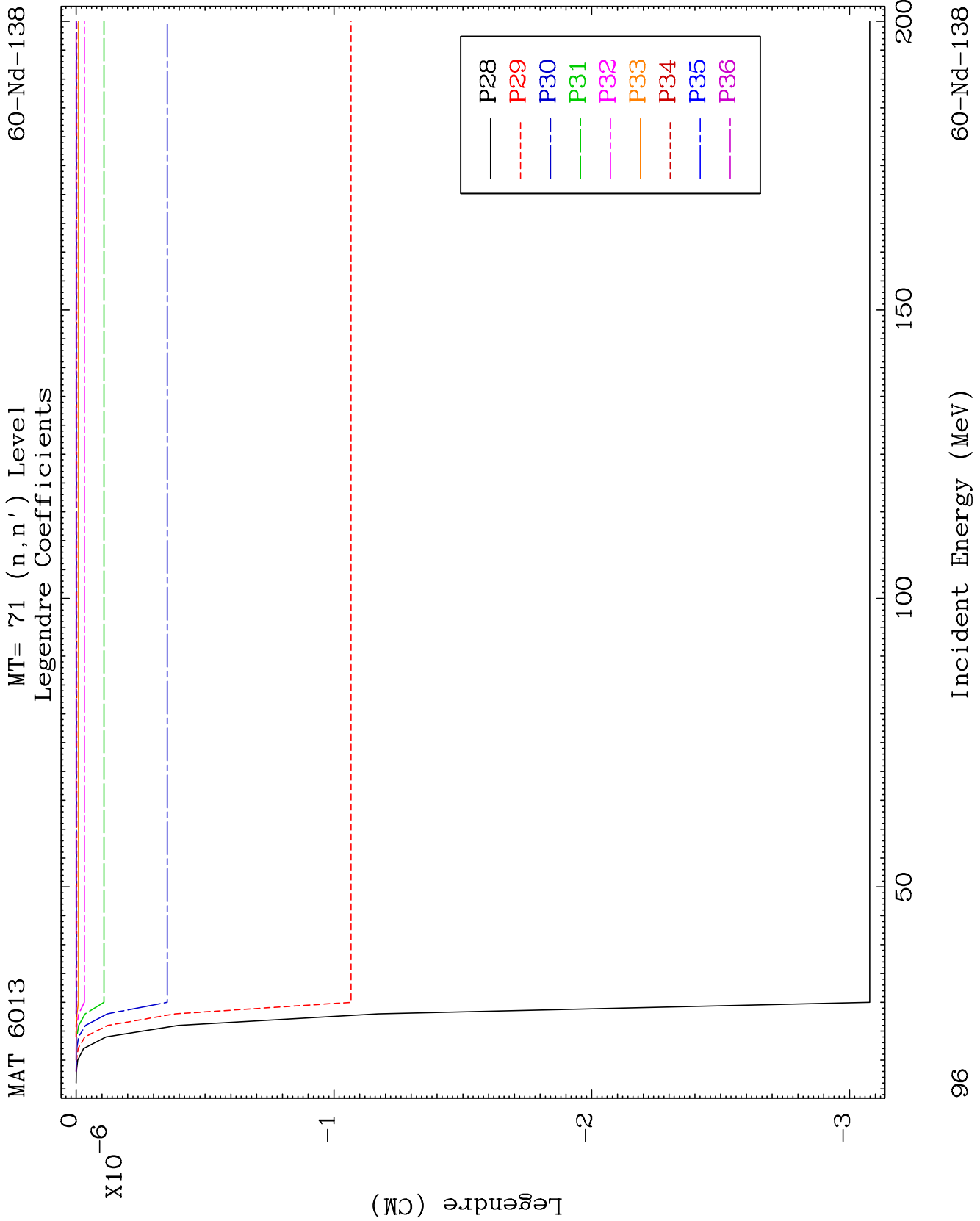
60-Nd-138



95

Incident Energy (MeV)

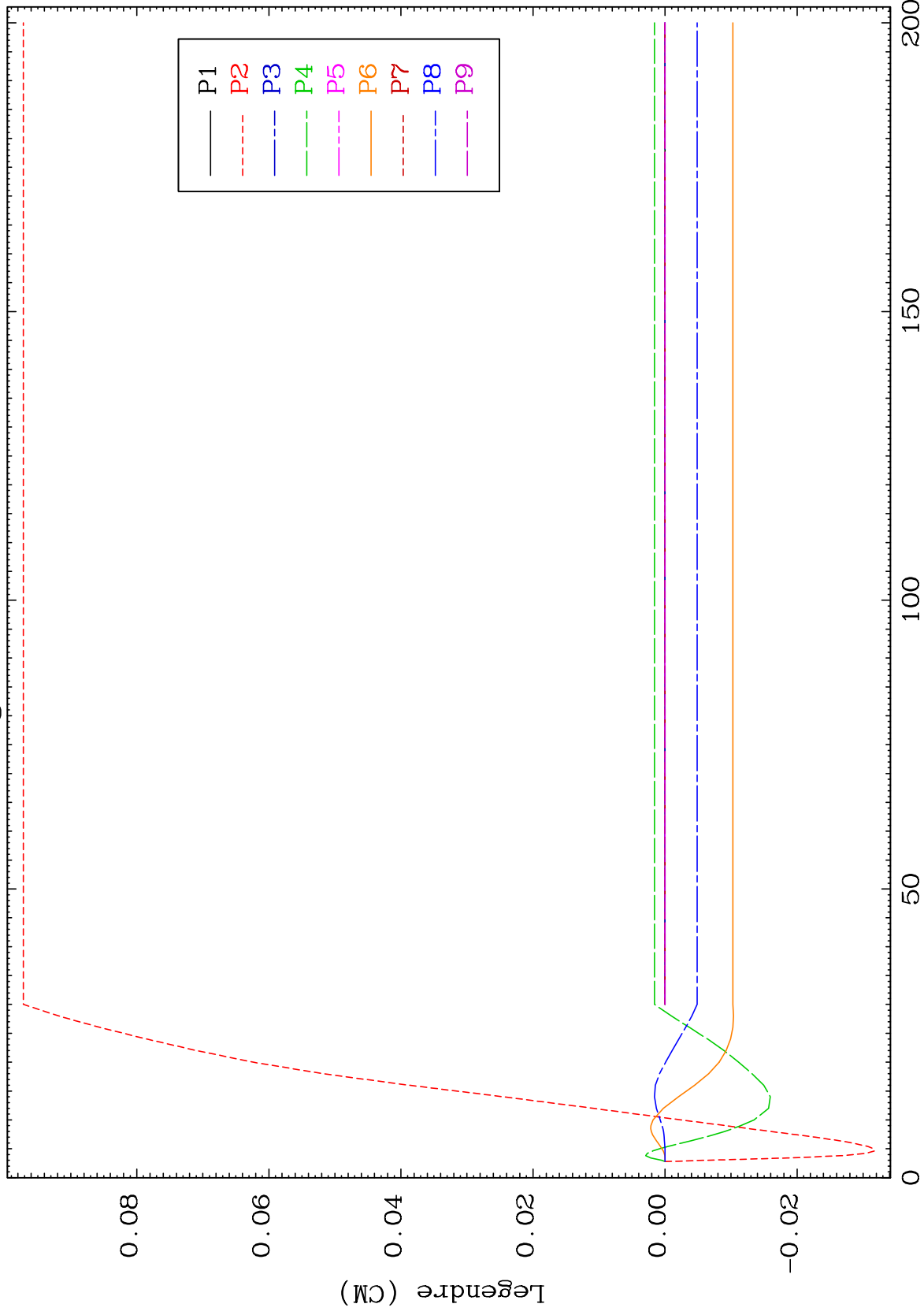
60-Nd-138



MAT 6013

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

60-Nd-138



97

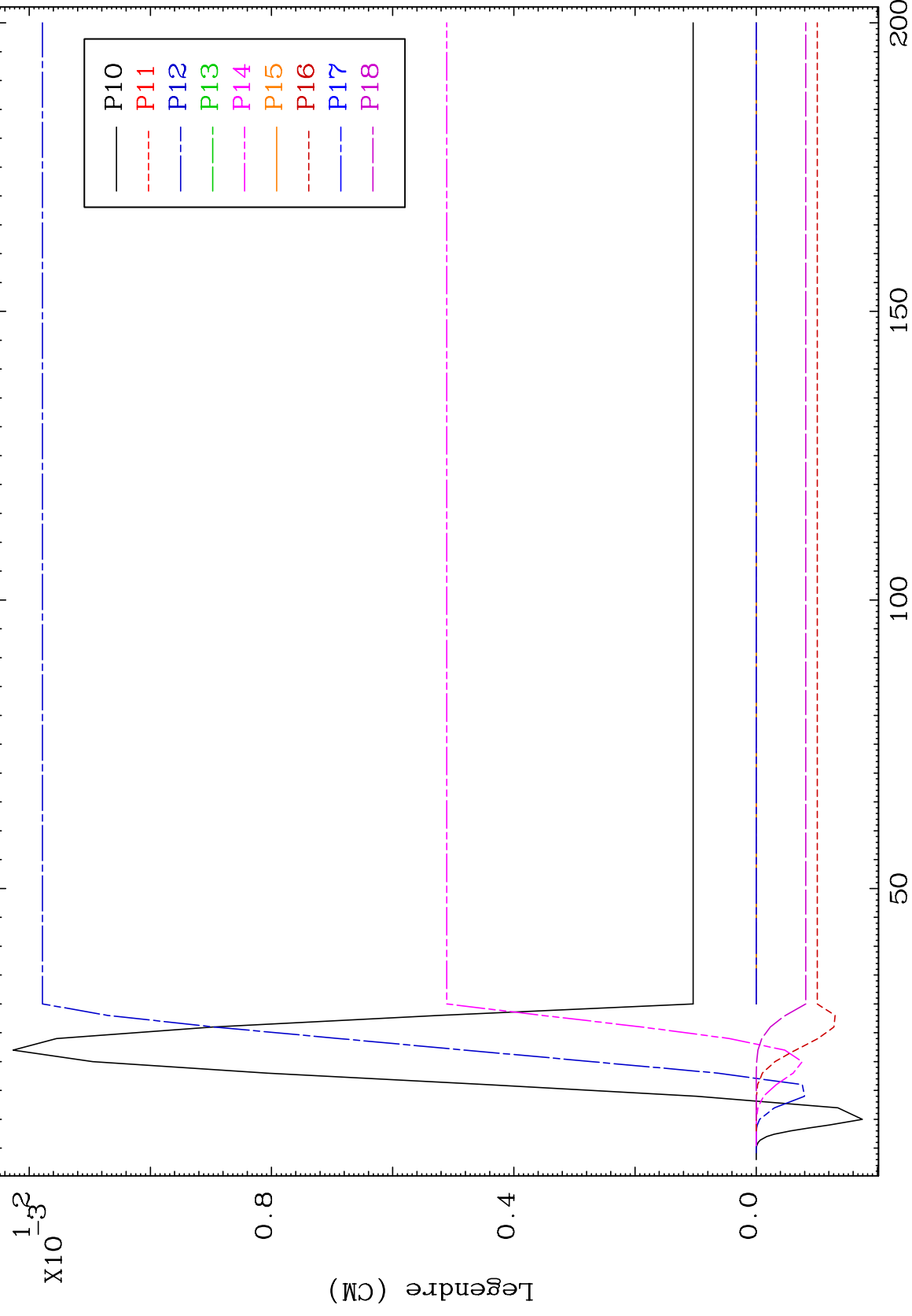
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

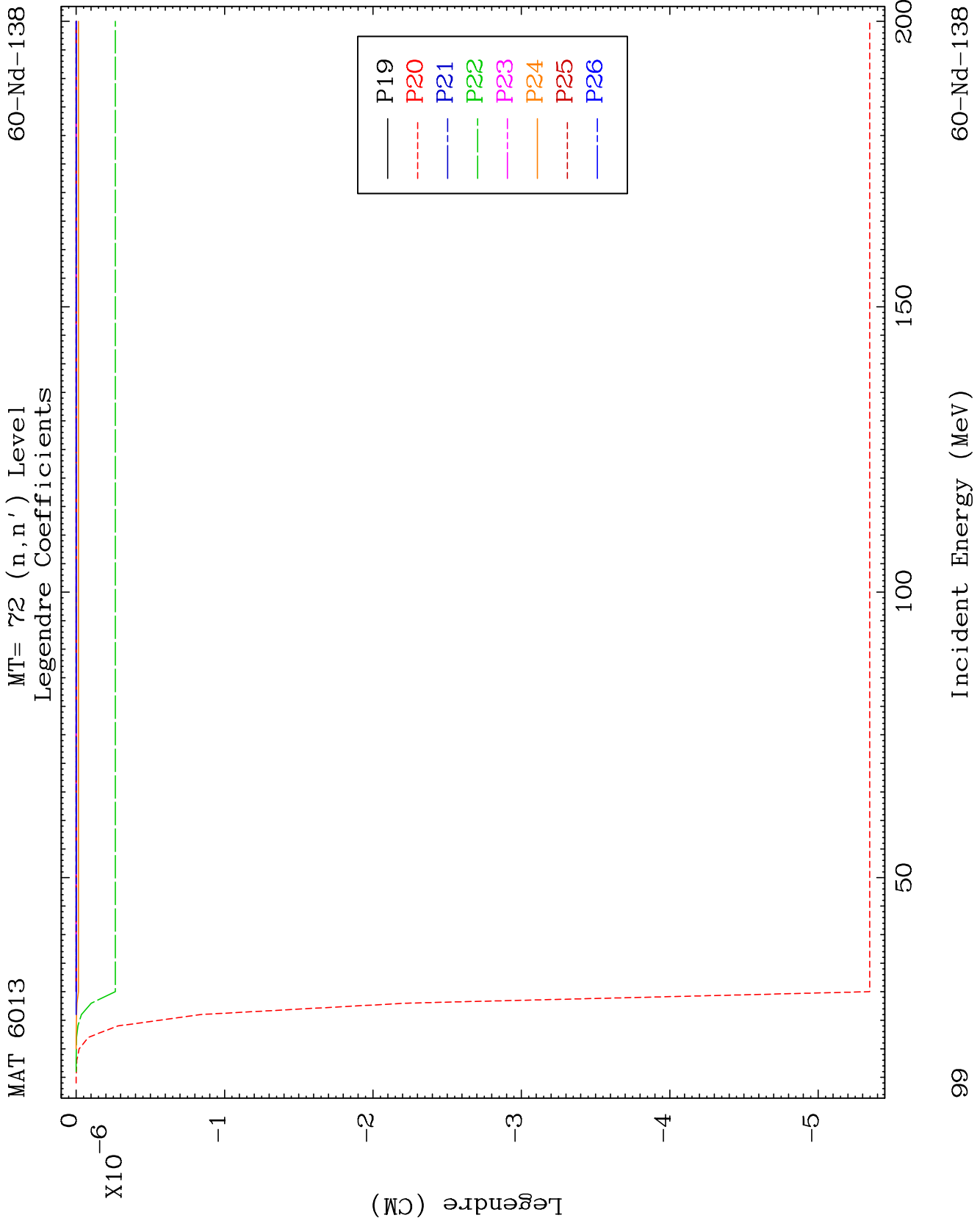
60-Nd-138

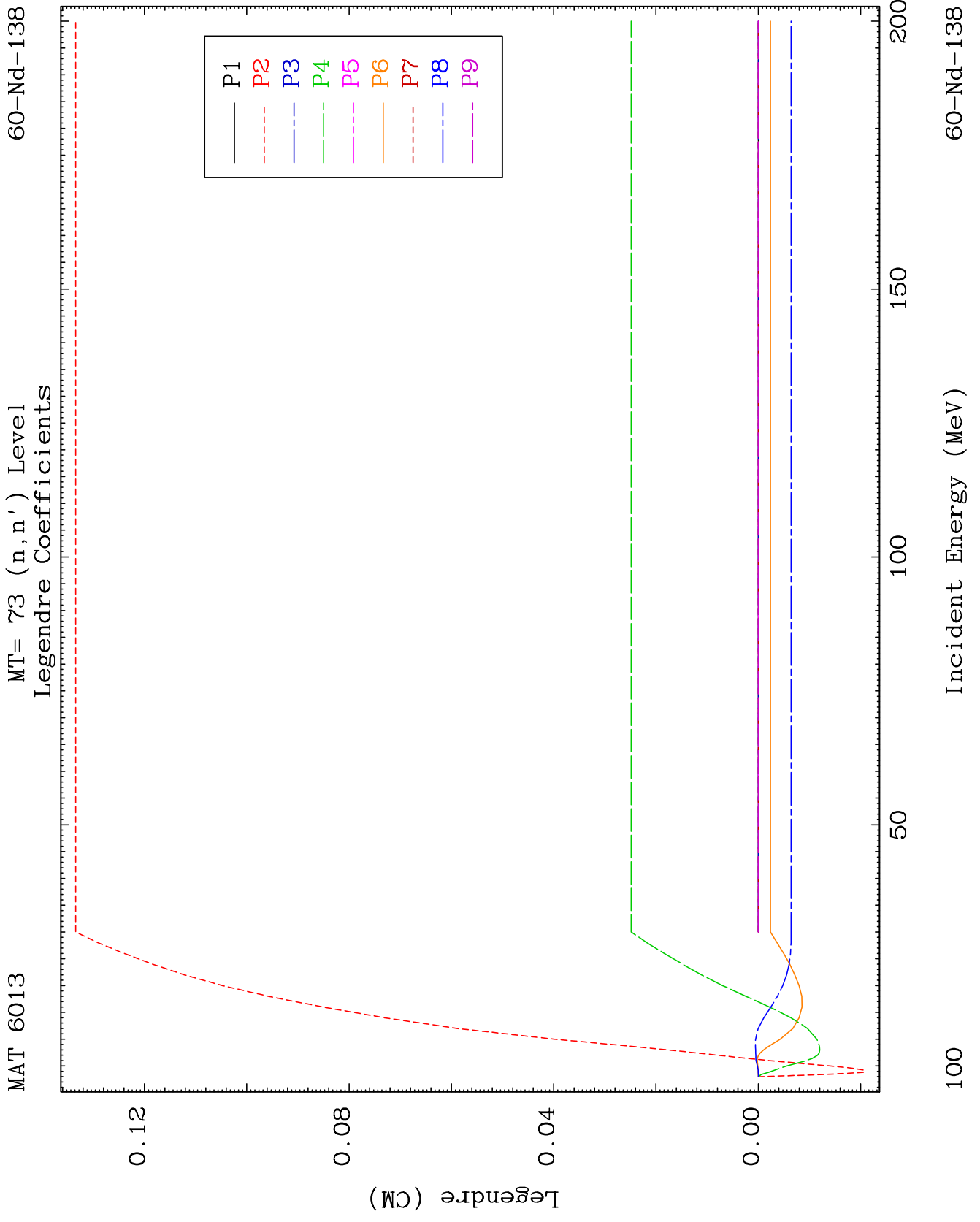


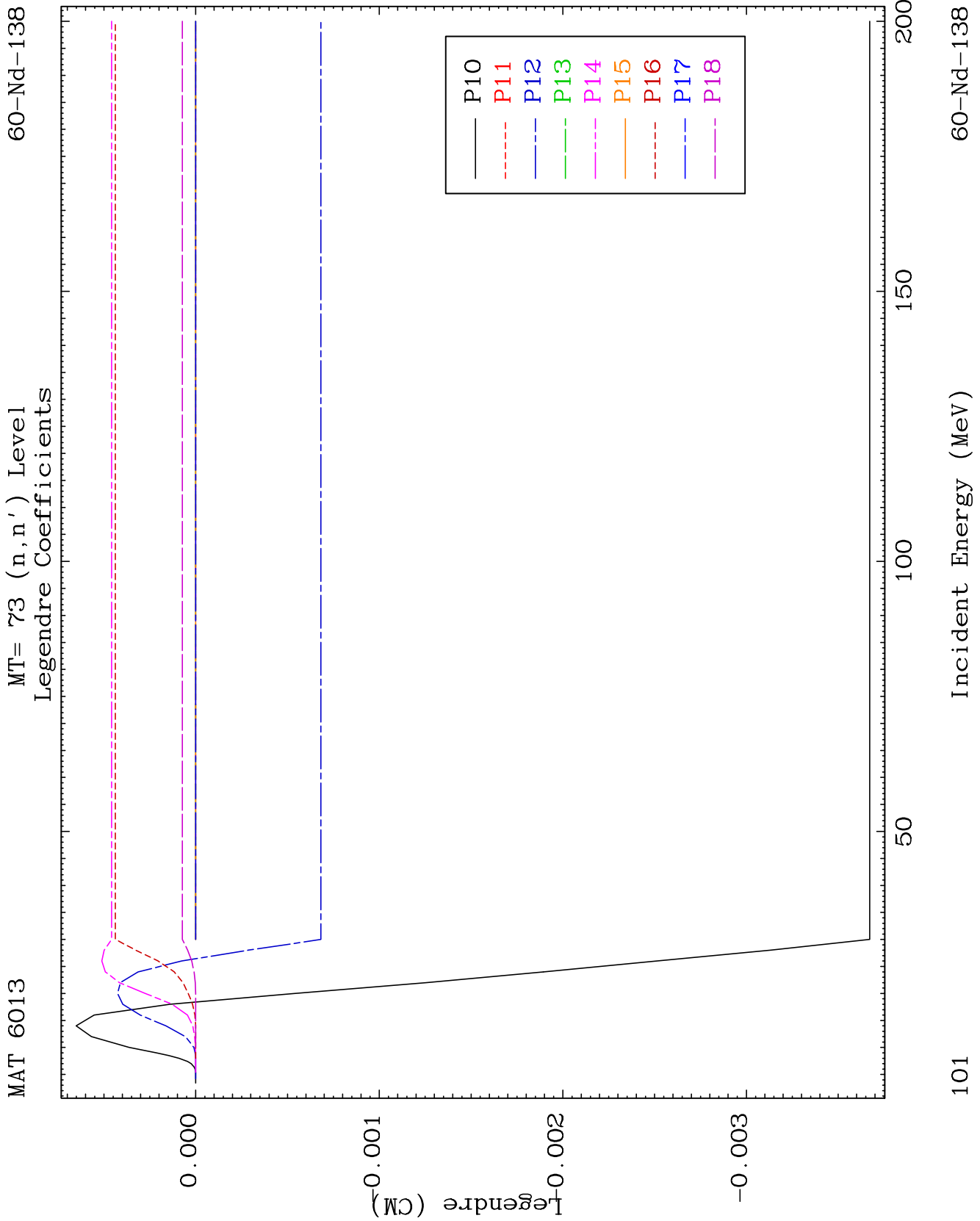
98

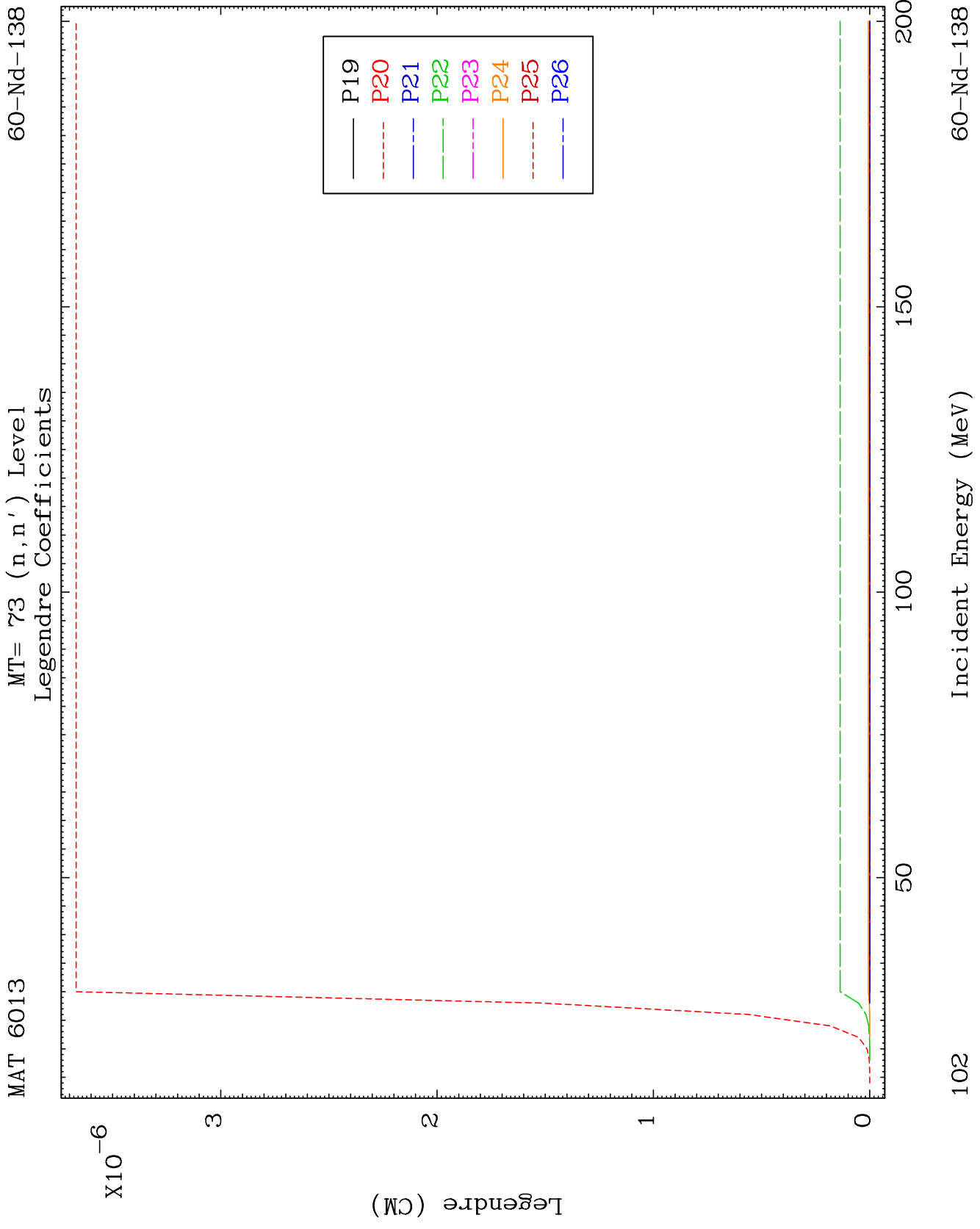
Incident Energy (MeV)

60-Nd-138







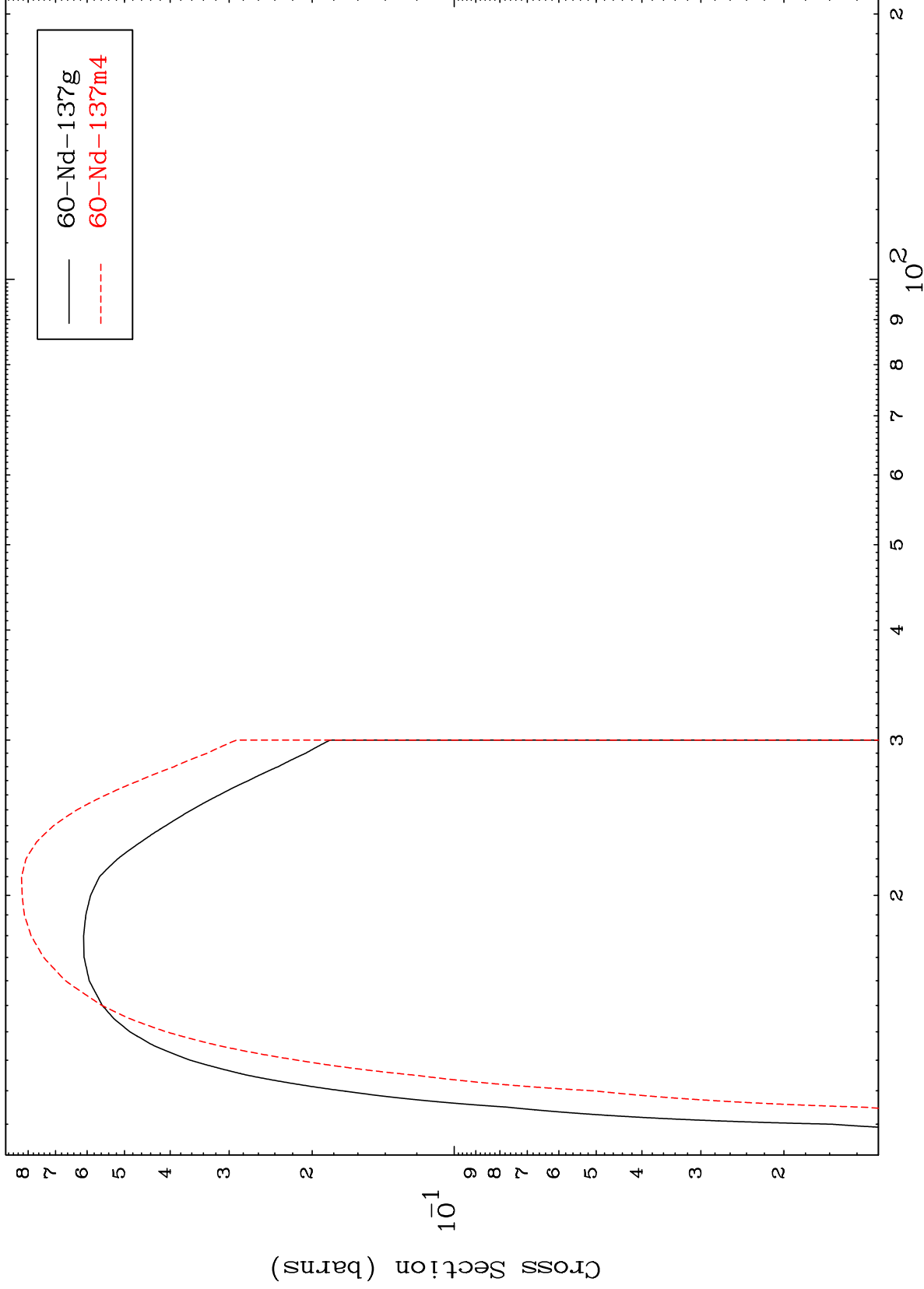


MAT 6013

60-Nd-138

(n,2n)

Radionuclide Production Cross Section



103

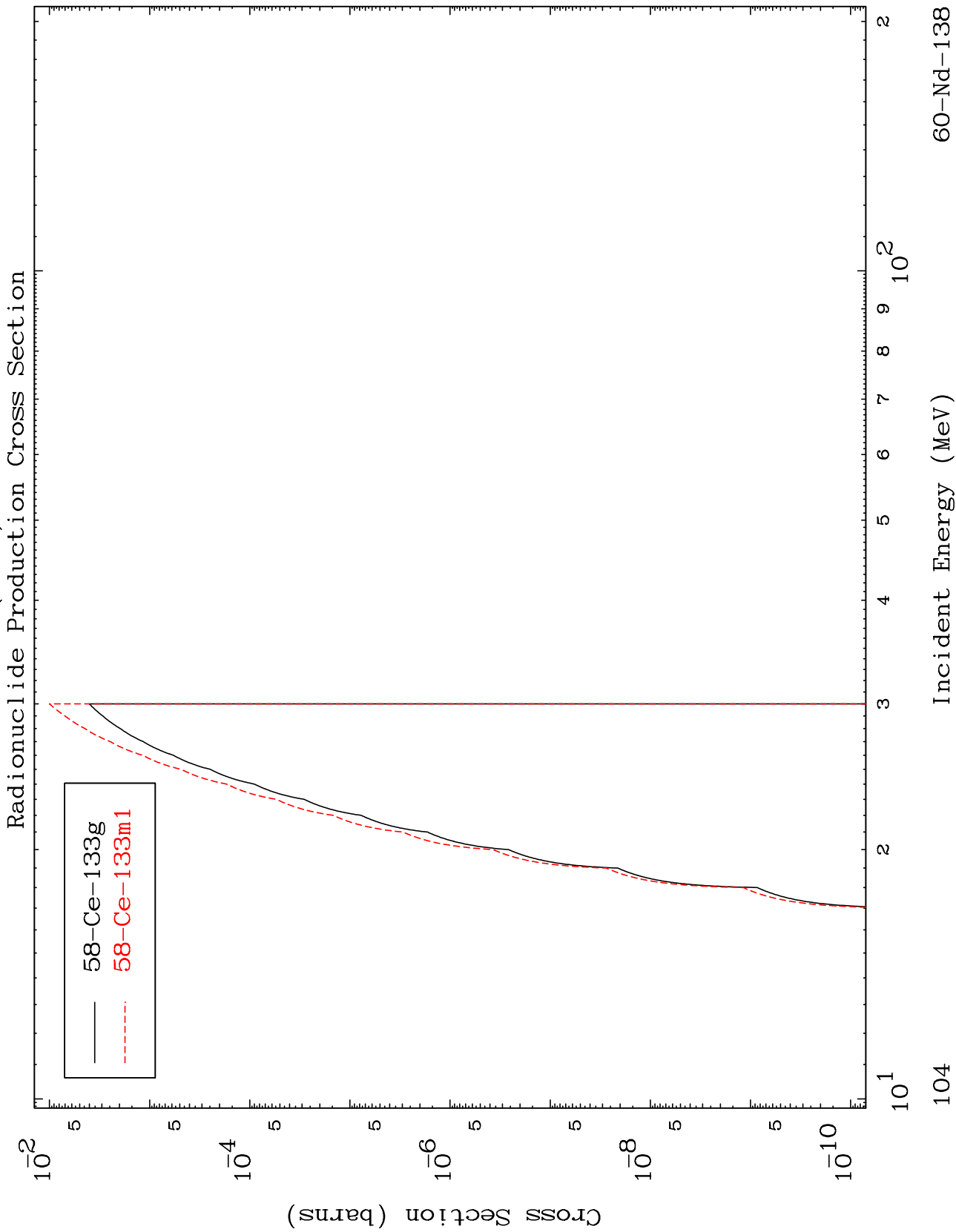
Incident Energy (MeV)

60-Nd-138

MAT 6013

(n,2n) α

60-Nd-138

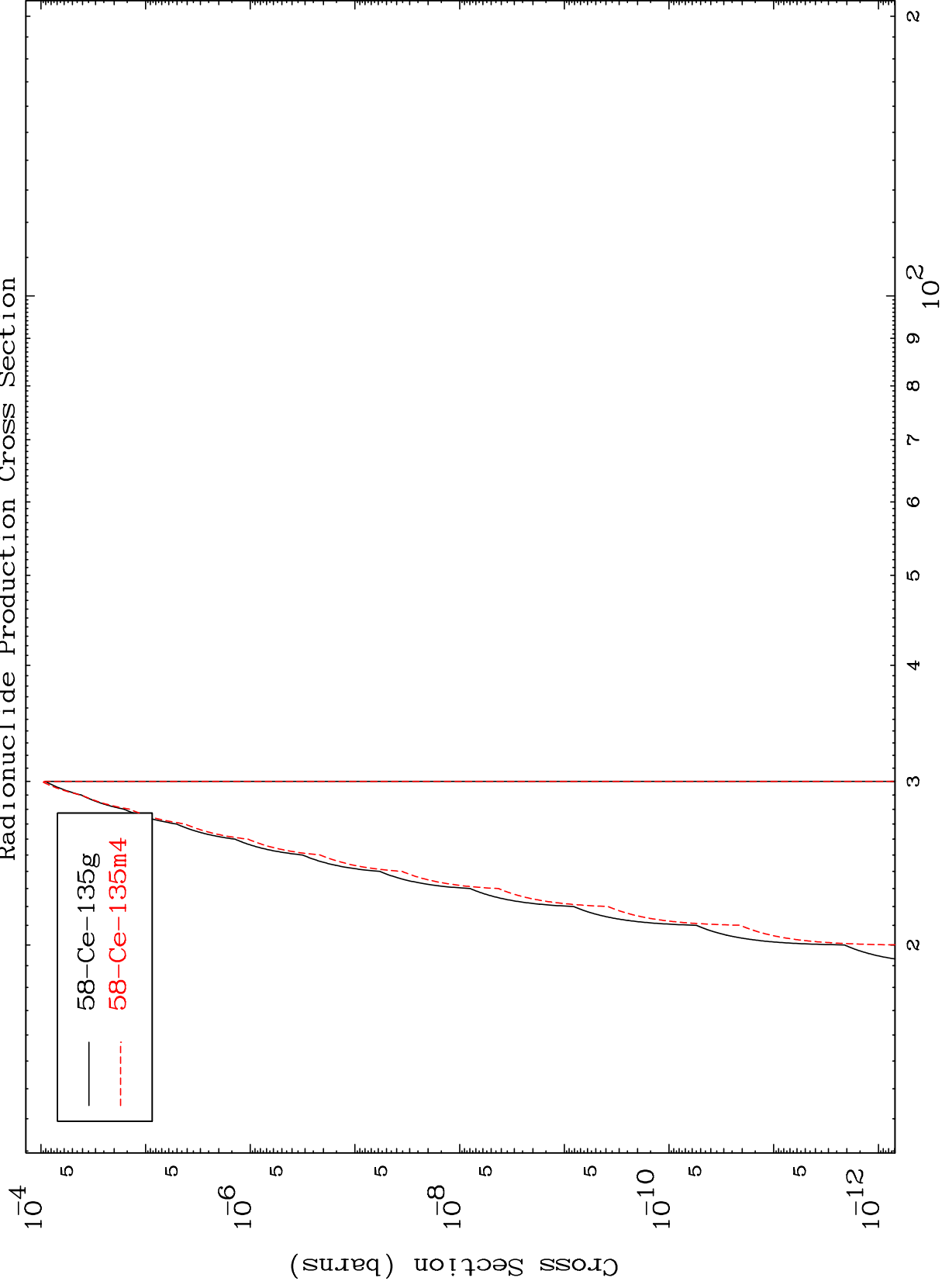


MAT 6013

(n,n') He-3

60-Nd-138

Radionuclide Production Cross Section



105

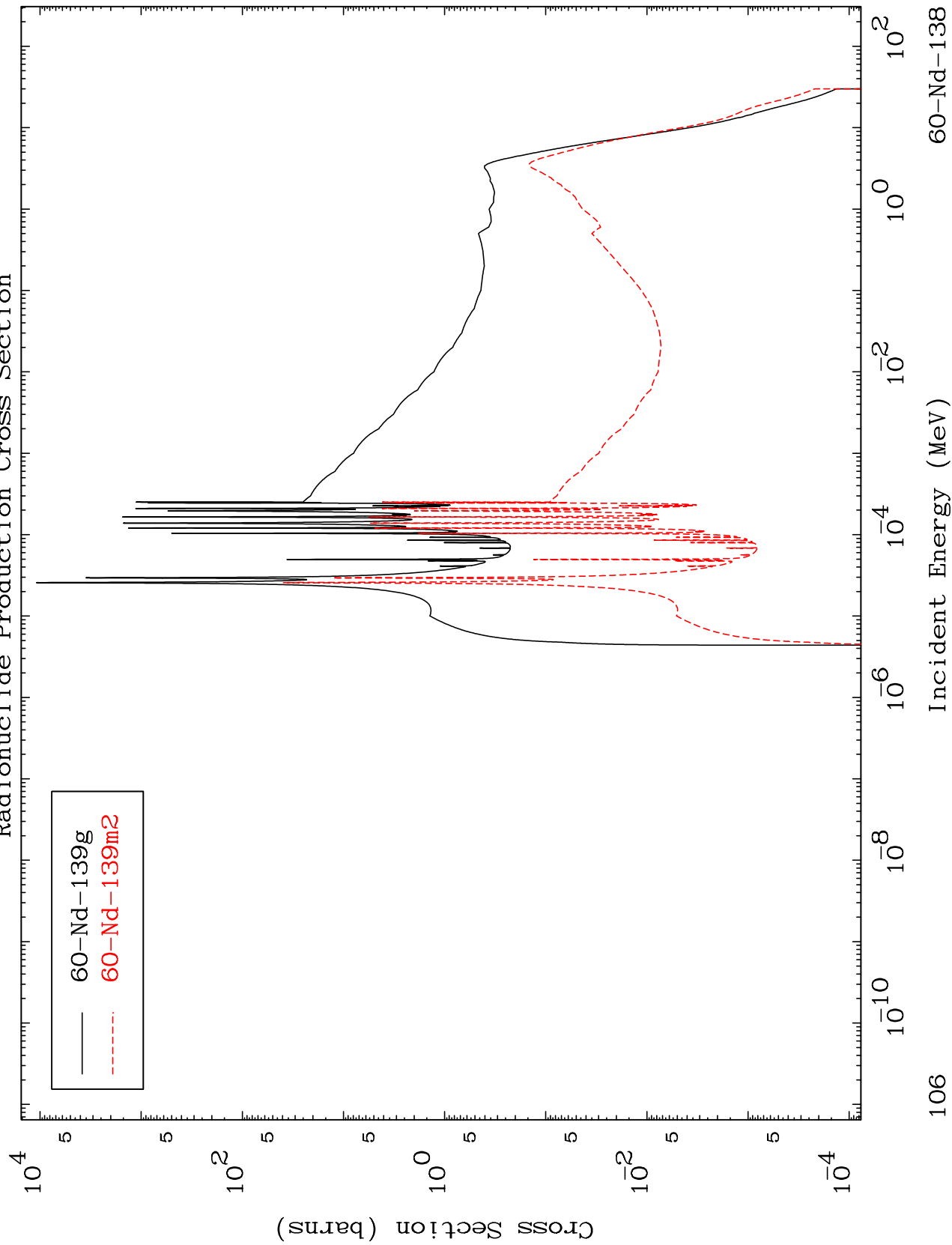
Incident Energy (MeV)

60-Nd-138

MAT 6013

60-Nd-138

(n,γ)
Radionuclide Production Cross Section

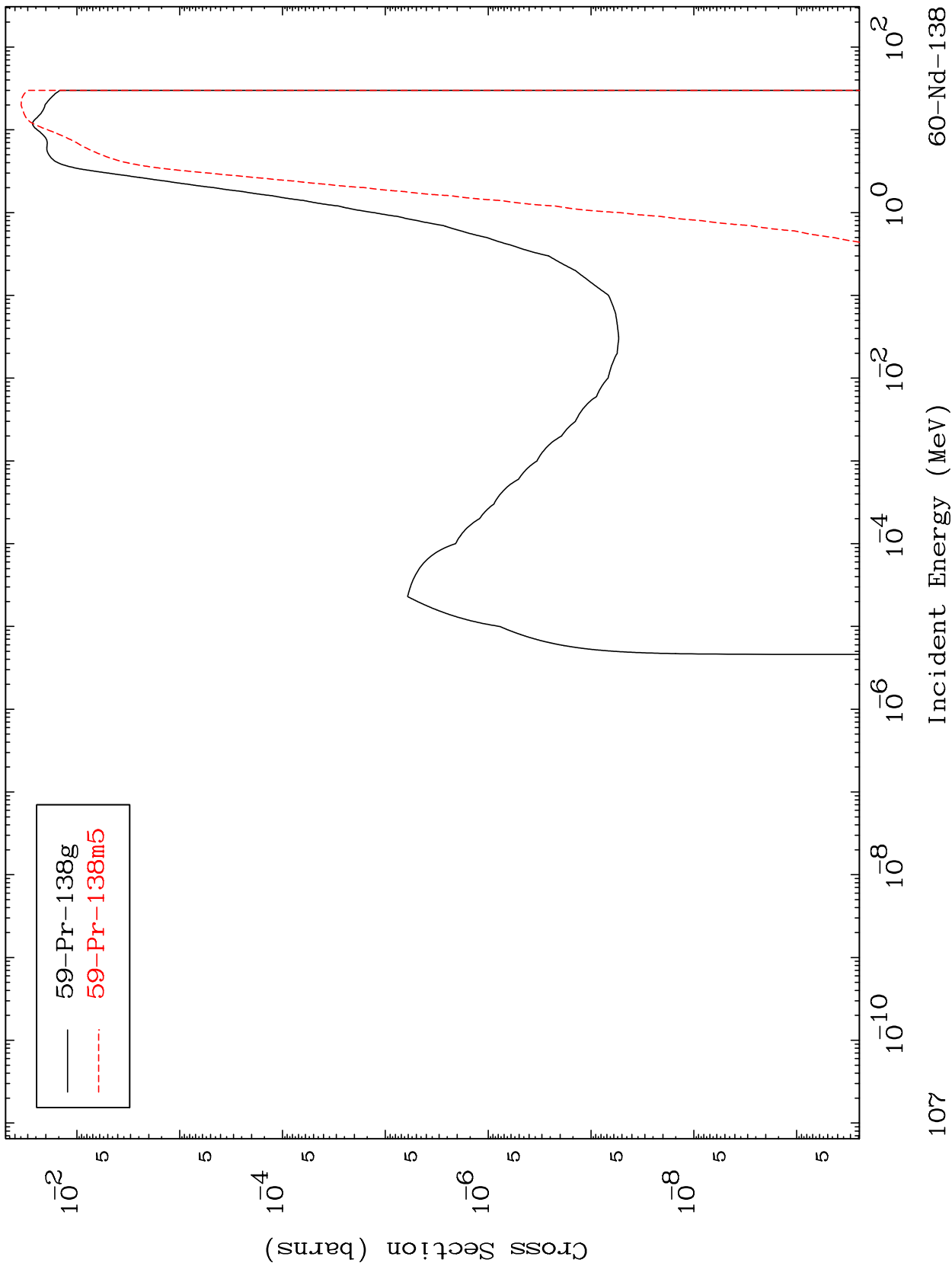


106

MAT 6013

60-Nd-138

(n,p)
Radionuclide Production Cross Section



— 59-Pr-138g
- - - 59-Pr-138m5

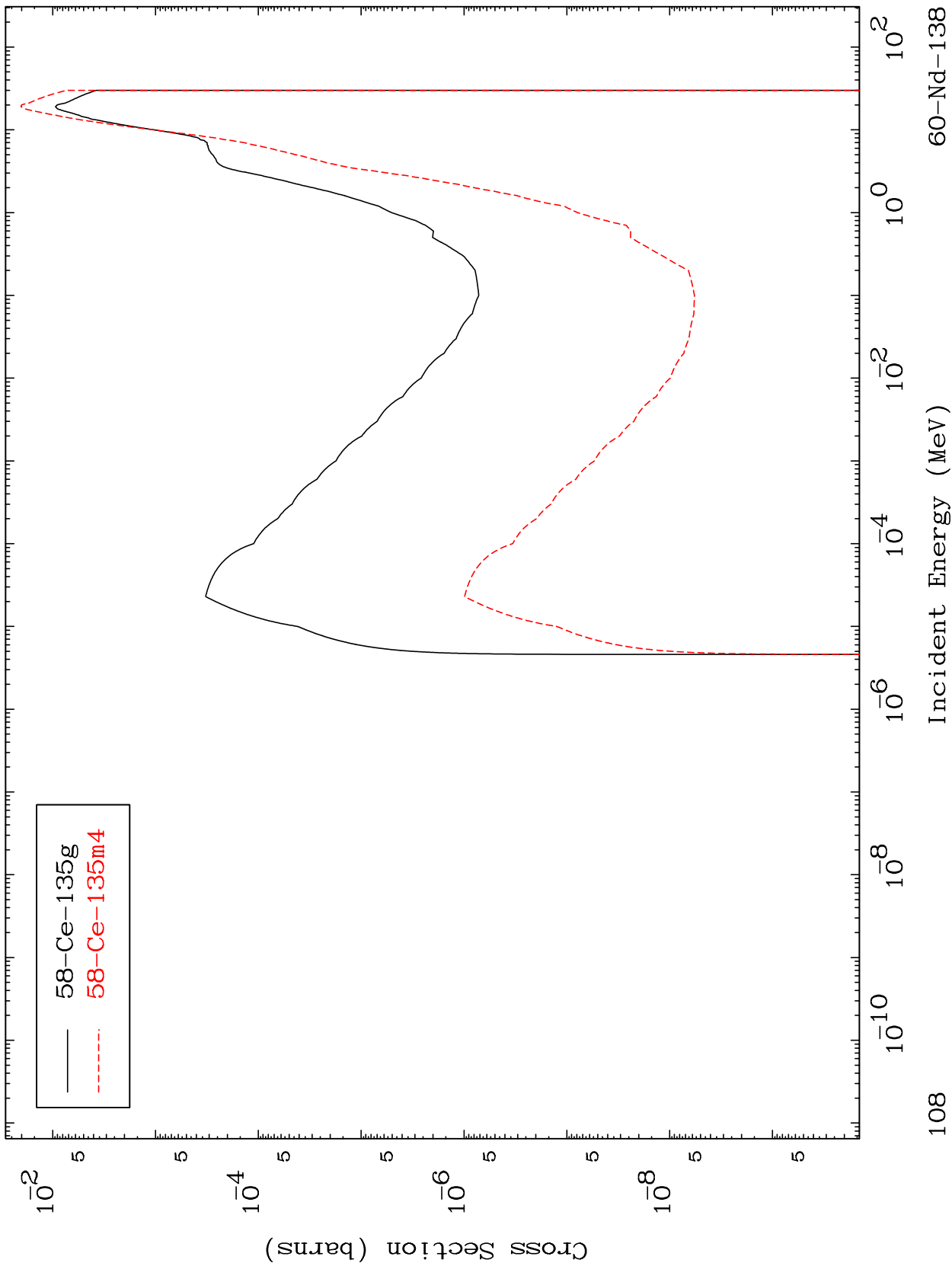
107

60-Nd-138

MAT 6013

60-Nd-138

(n, α)
Radionuclide Production Cross Section

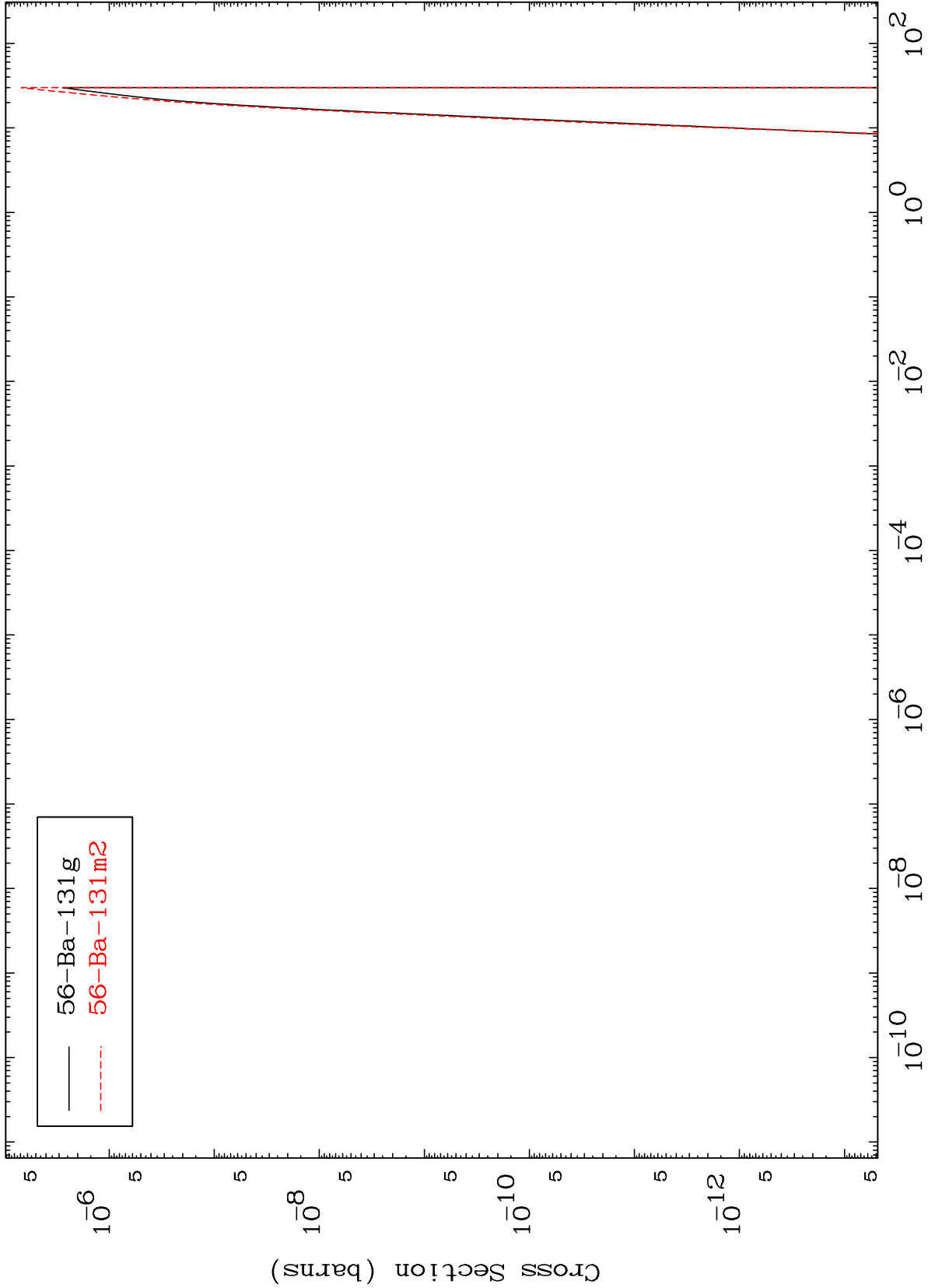


MAT 6013

(n,2α)

60-Nd-138

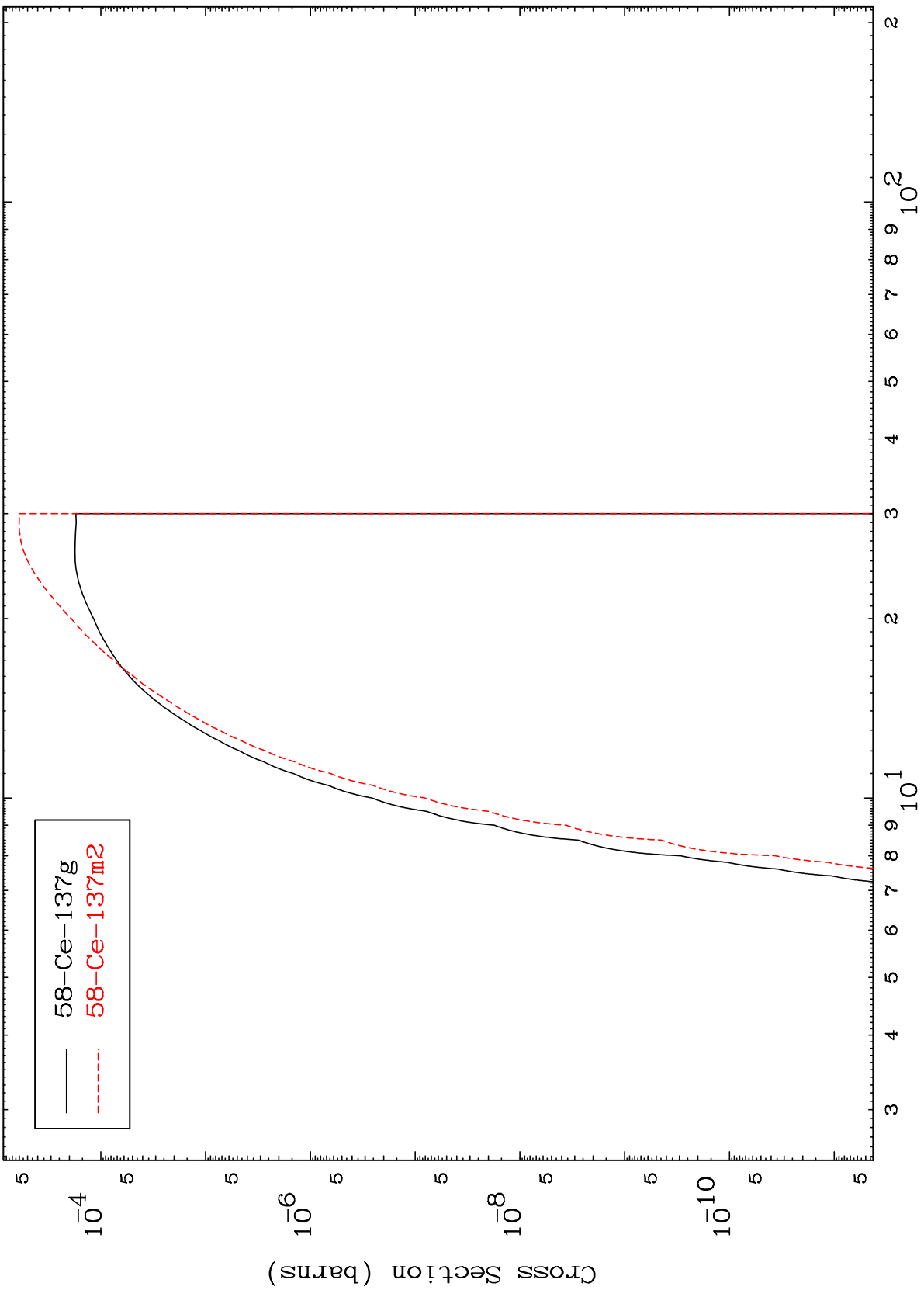
Radionuclide Production Cross Section



MAT 6013

60-Nd-138

(n,2p)
Radionuclide Production Cross Section



— 58-Ce-137g
- - - 58-Ce-137m2

110

Incident Energy (MeV)

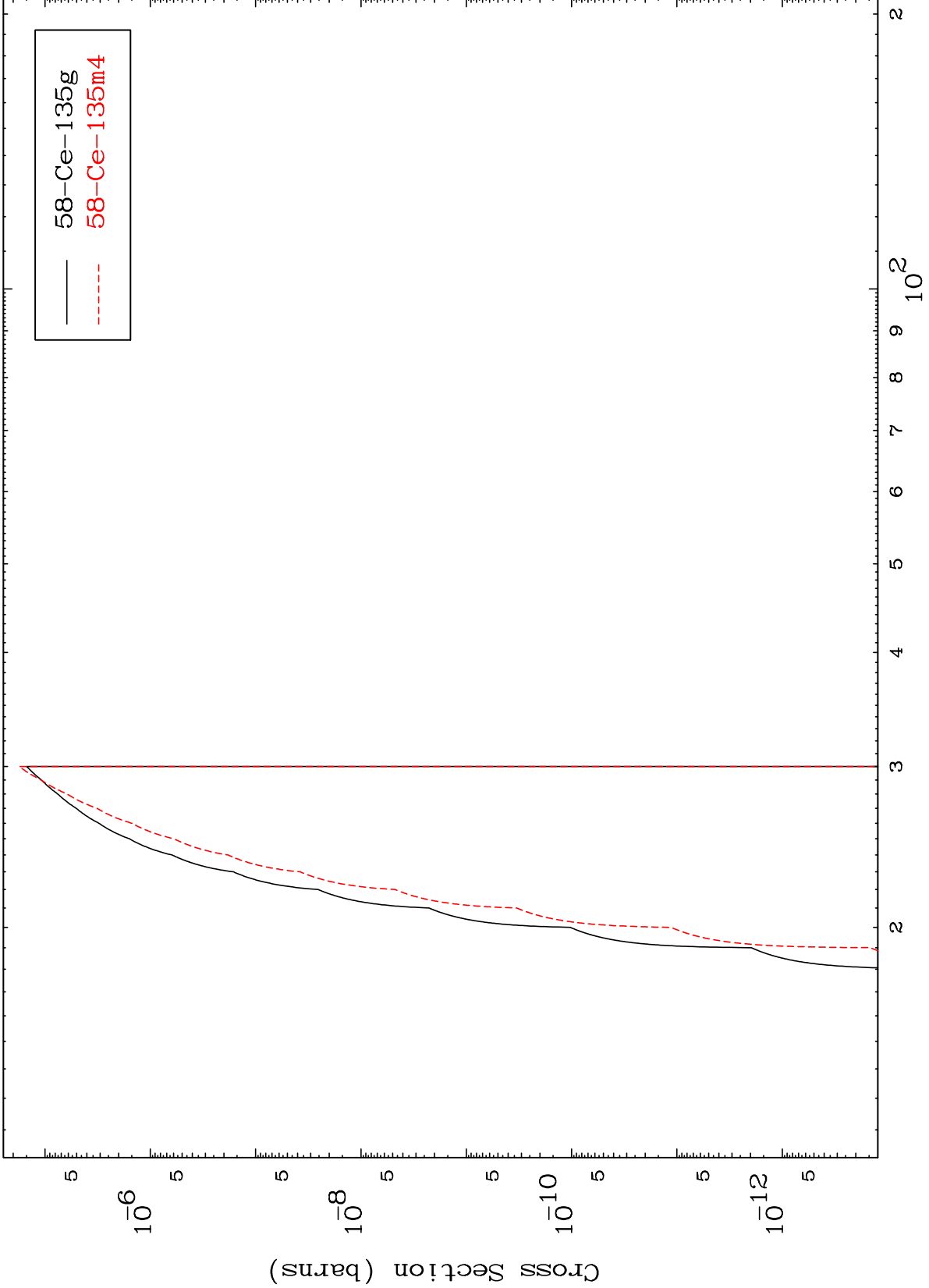
60-Nd-138

MAT 6013

(n,p) t

60-Nd-138

Radionuclide Production Cross Section



111

Incident Energy (MeV)

60-Nd-138