

Program EVALPLOT  
(Version 2018-1)

by

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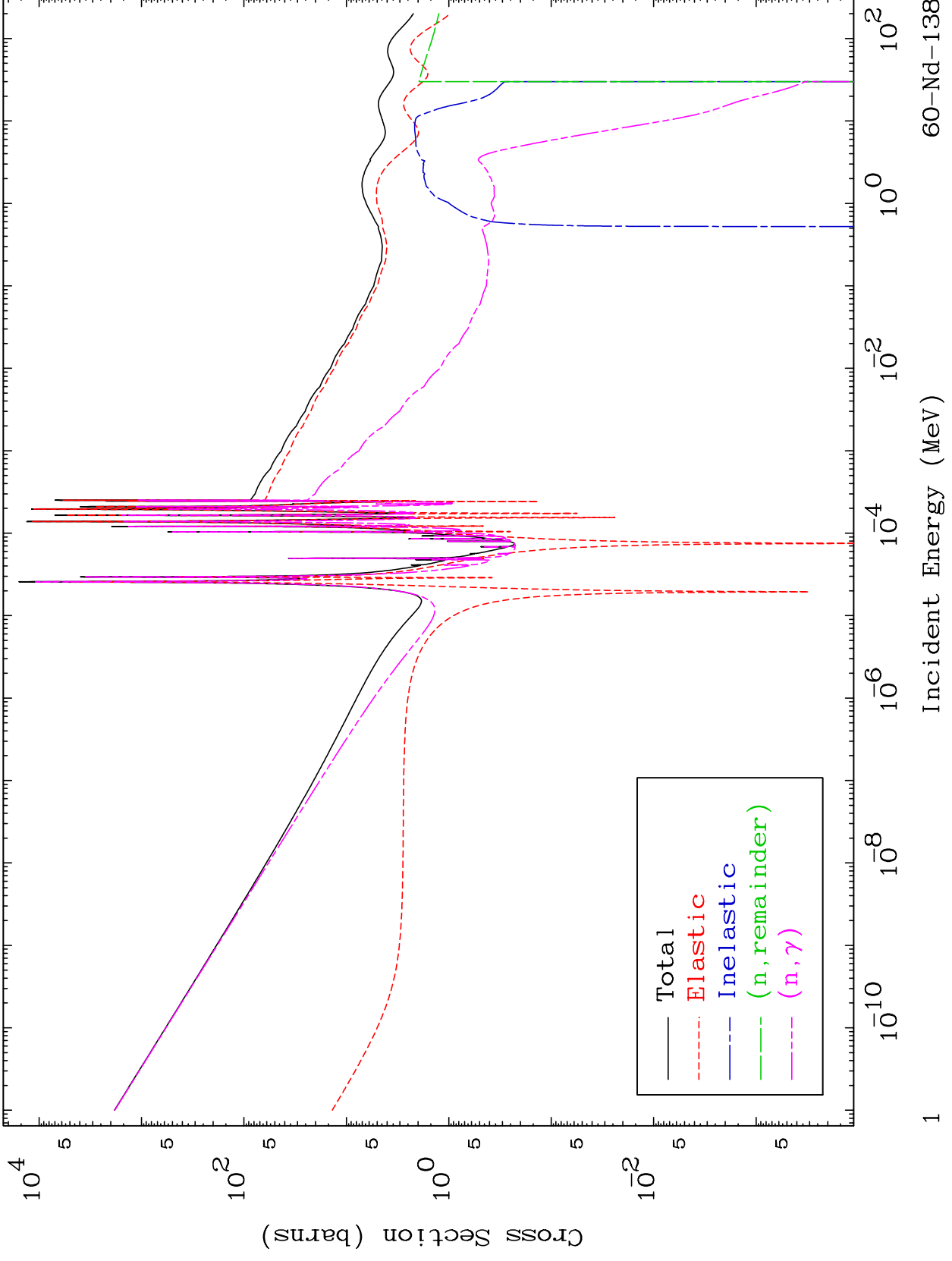
Press Mouse Button to Start

MAT 6013

Major

293 Kelvin Cross Sections

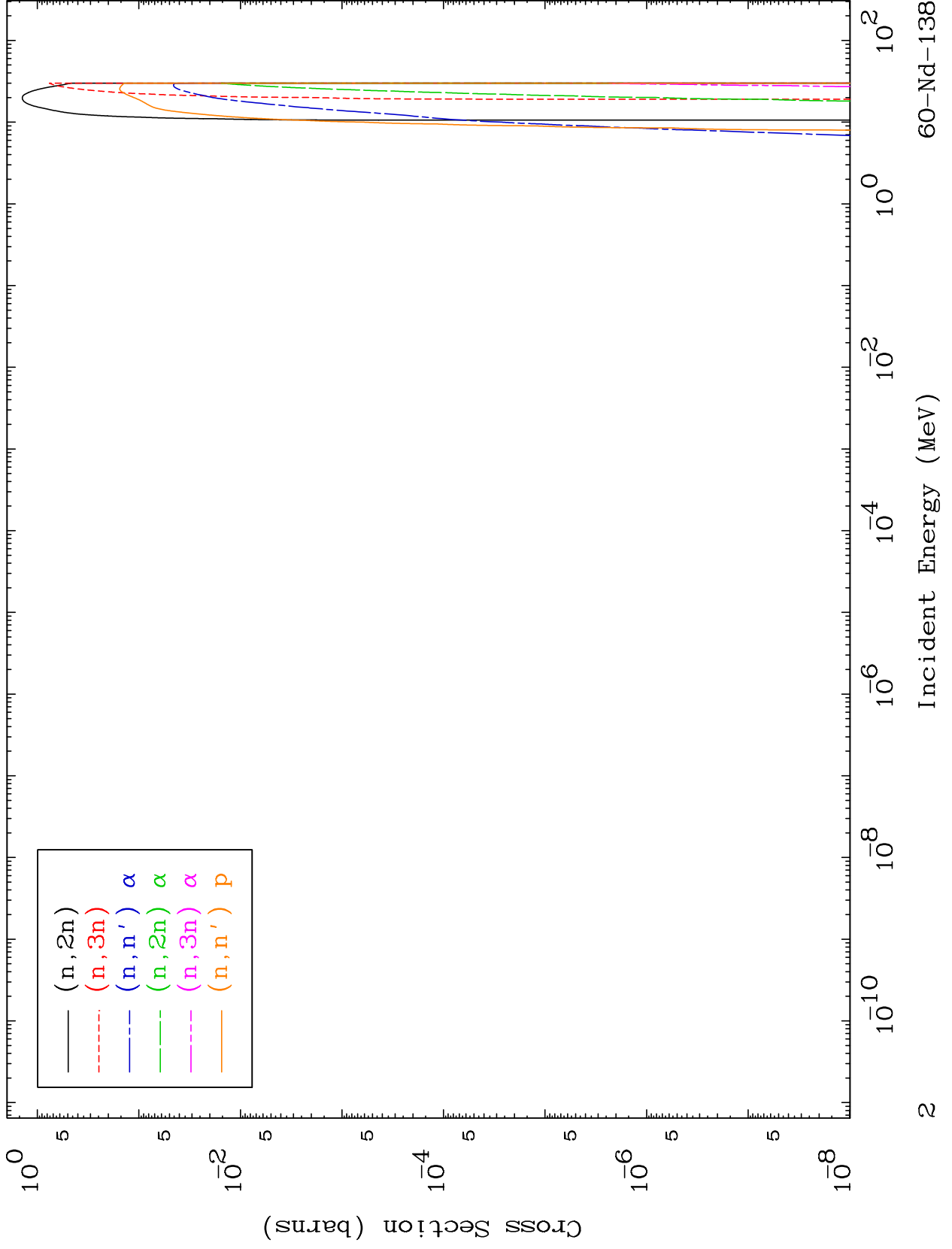
60-Nd-138



MAT 6013

Neutron Production  
293 Kelvin Cross Sections

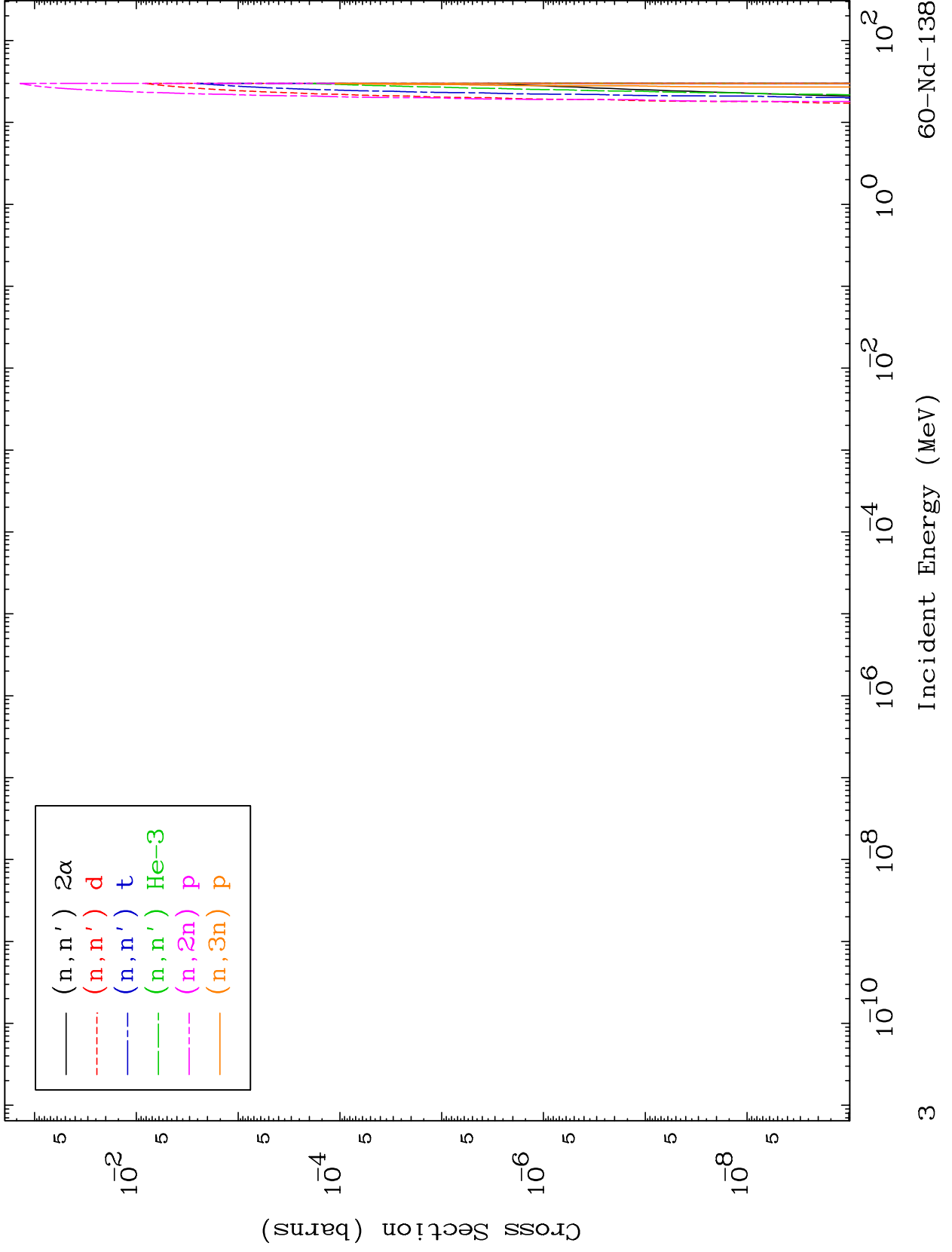
60-Nd-138



MAT 6013

Neutron Production  
293 Kelvin Cross Sections

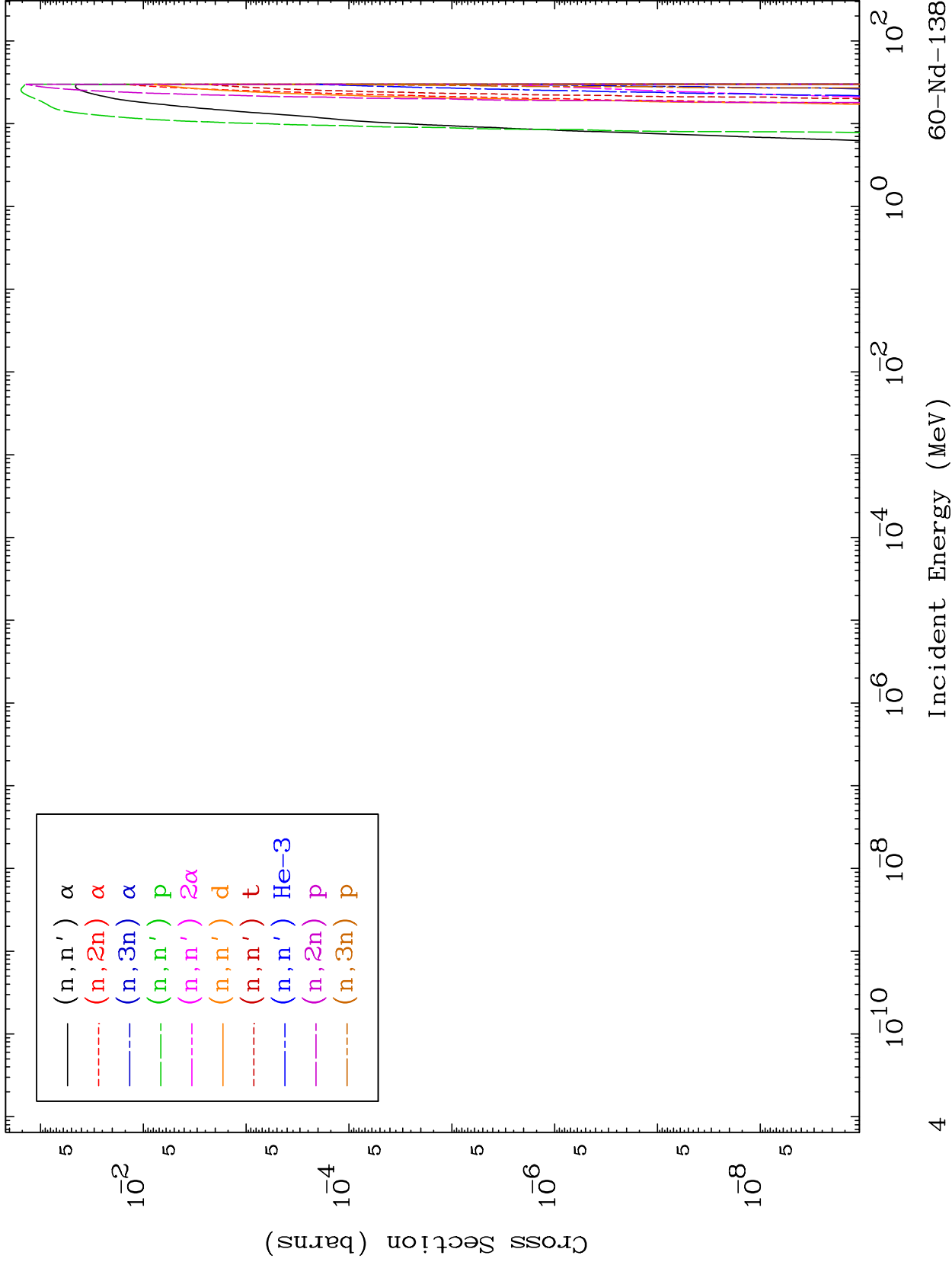
60-Nd-138



MAT 6013

Charged Particle  
293 Kelvin Cross Sections

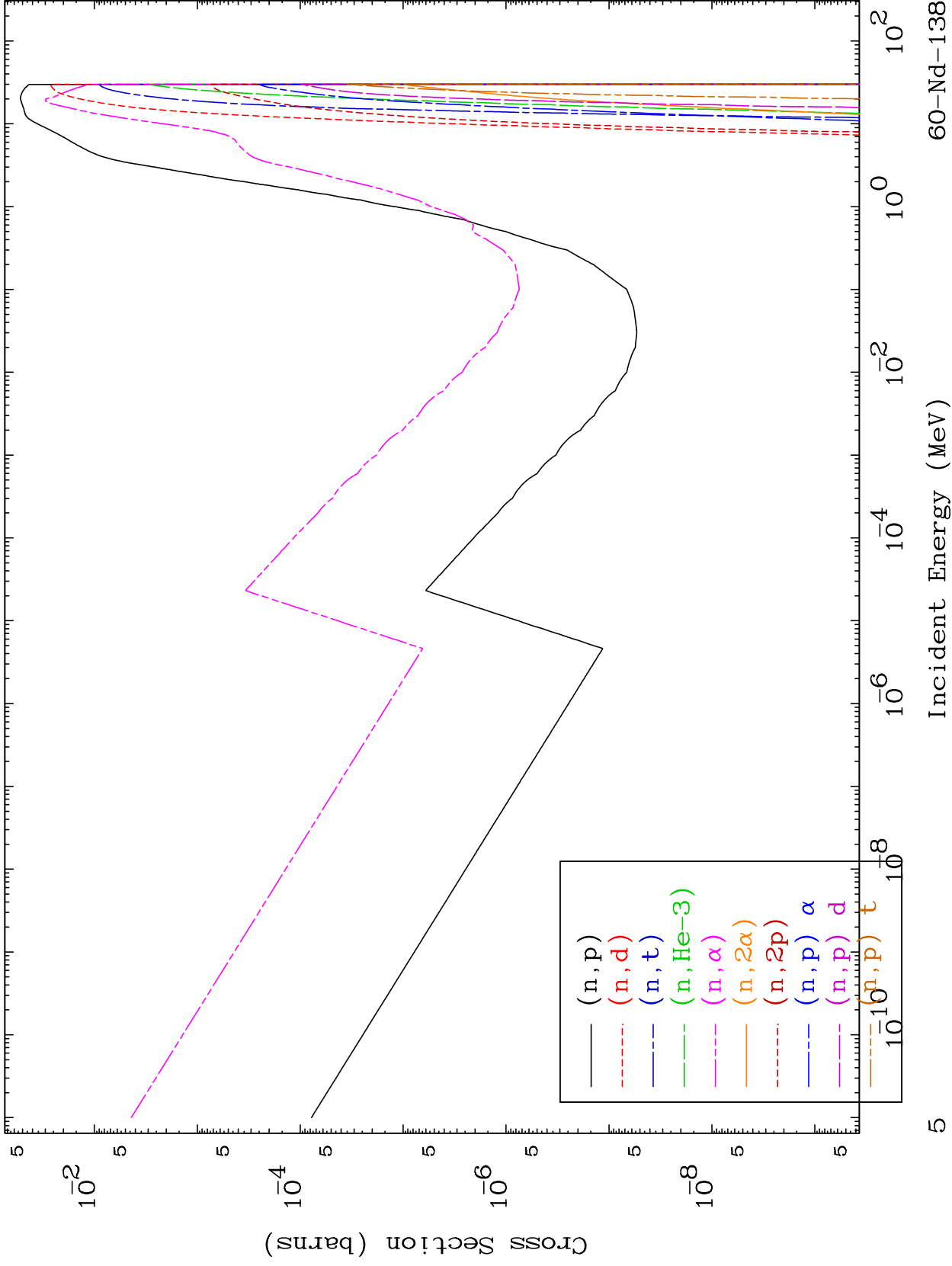
60-Nd-138

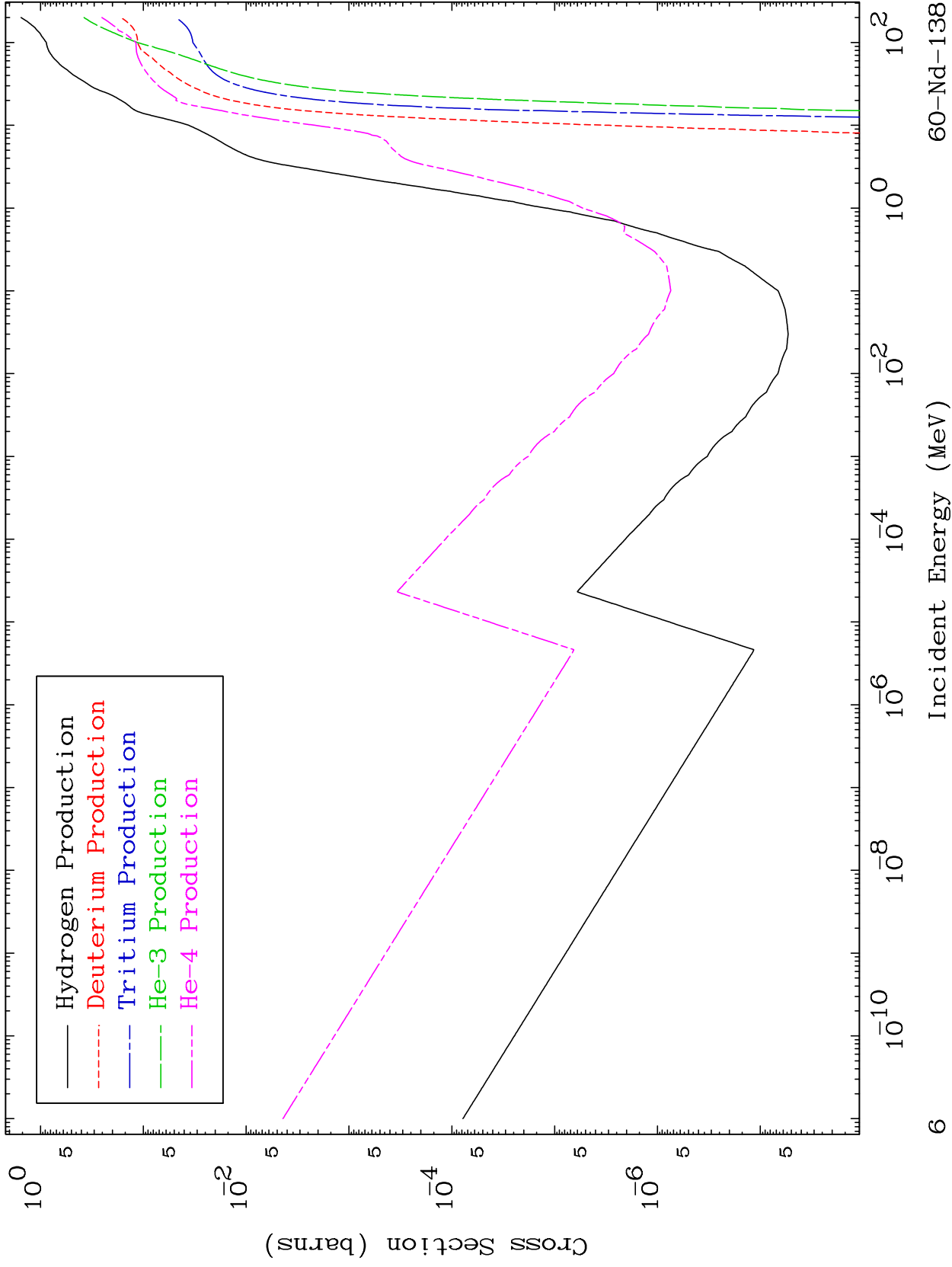


MAT 6013

Charged Particle  
293 Kelvin Cross Sections

60-Nd-138



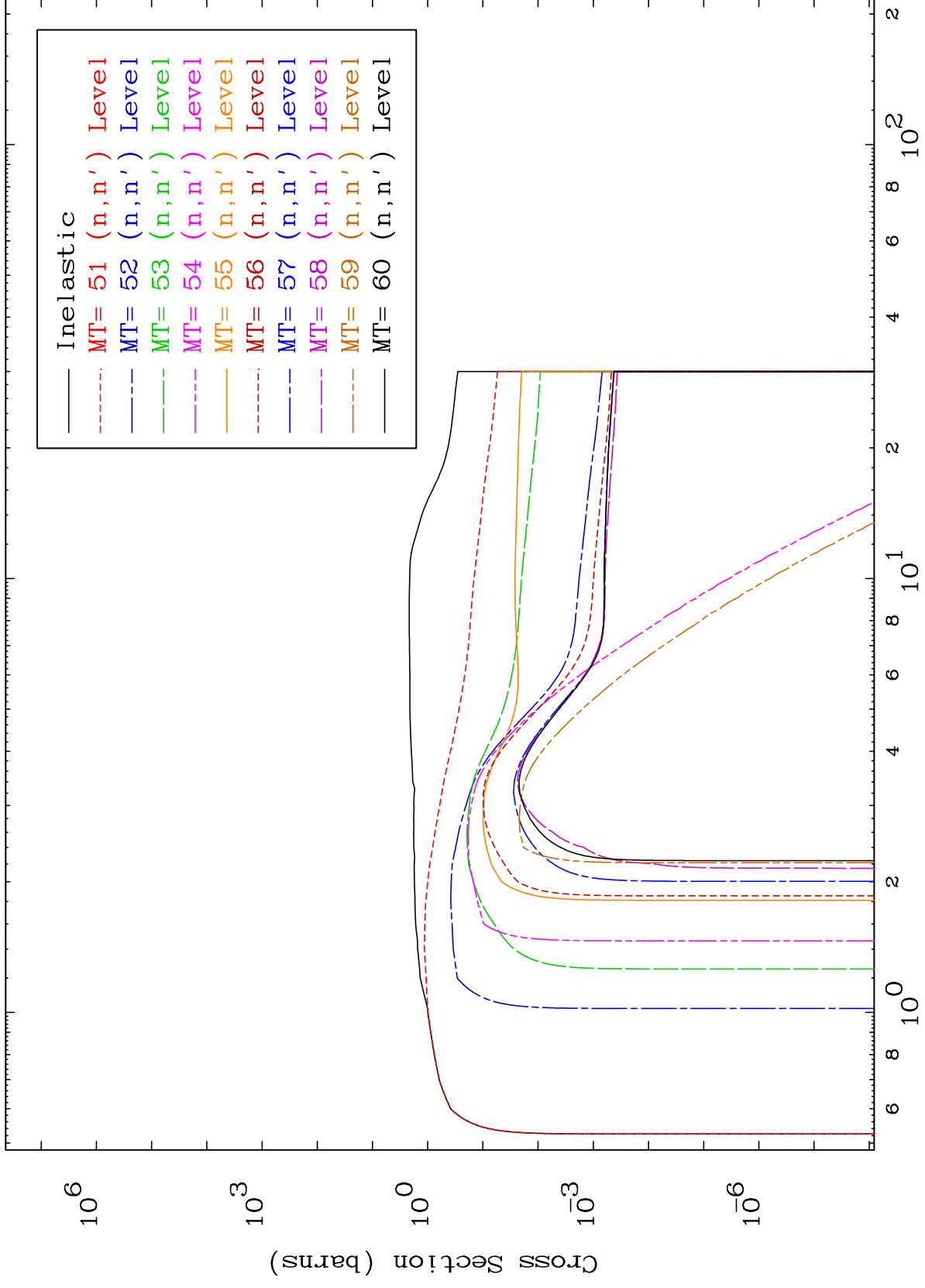


MAT 6013

(n,n') Level

60-Nd-138

293 Kelvin Cross Sections



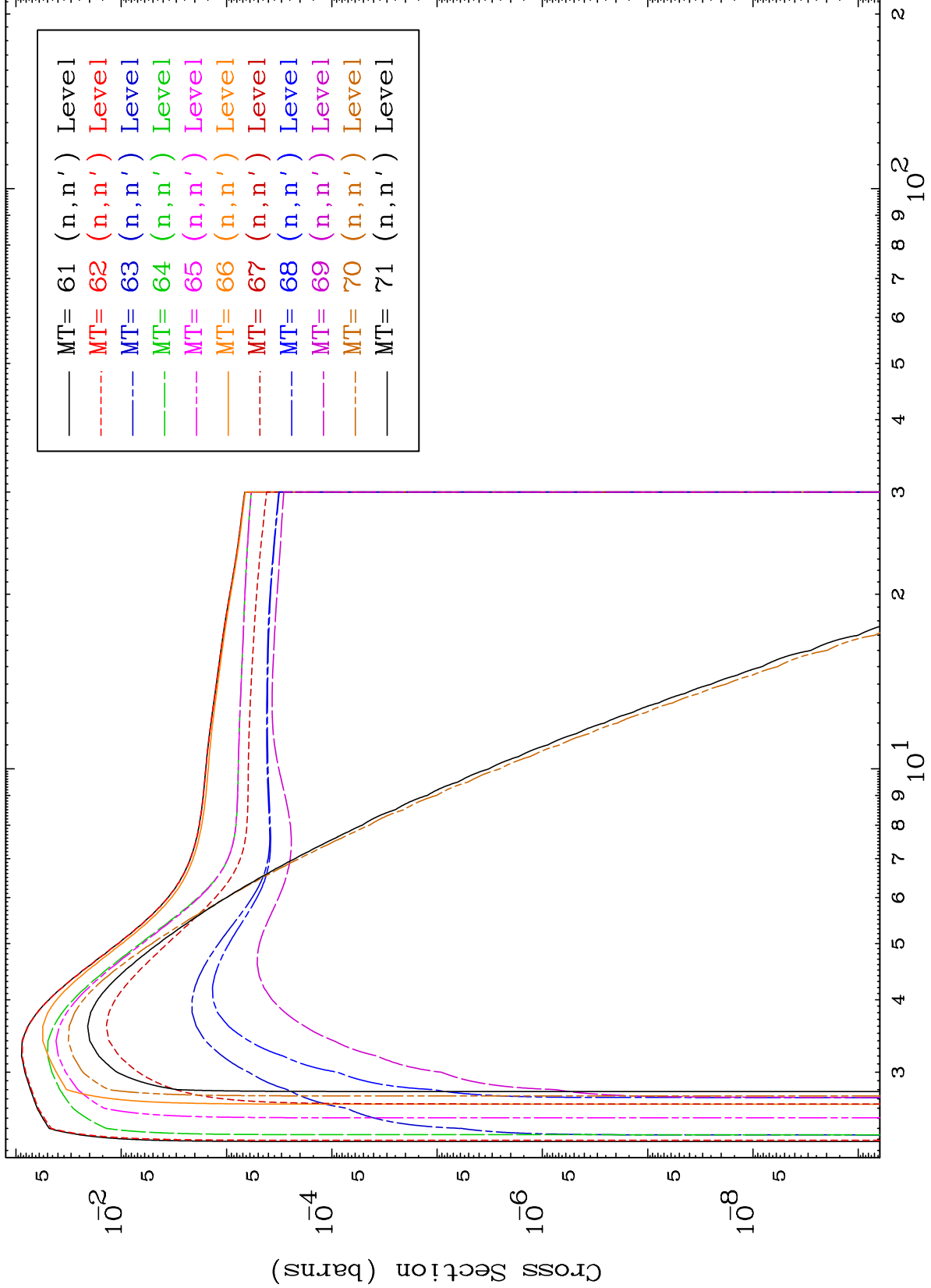


MAT 6013

(n,n') Level

60-Nd-138

293 Kelvin Cross Sections



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Incident Energy (MeV)

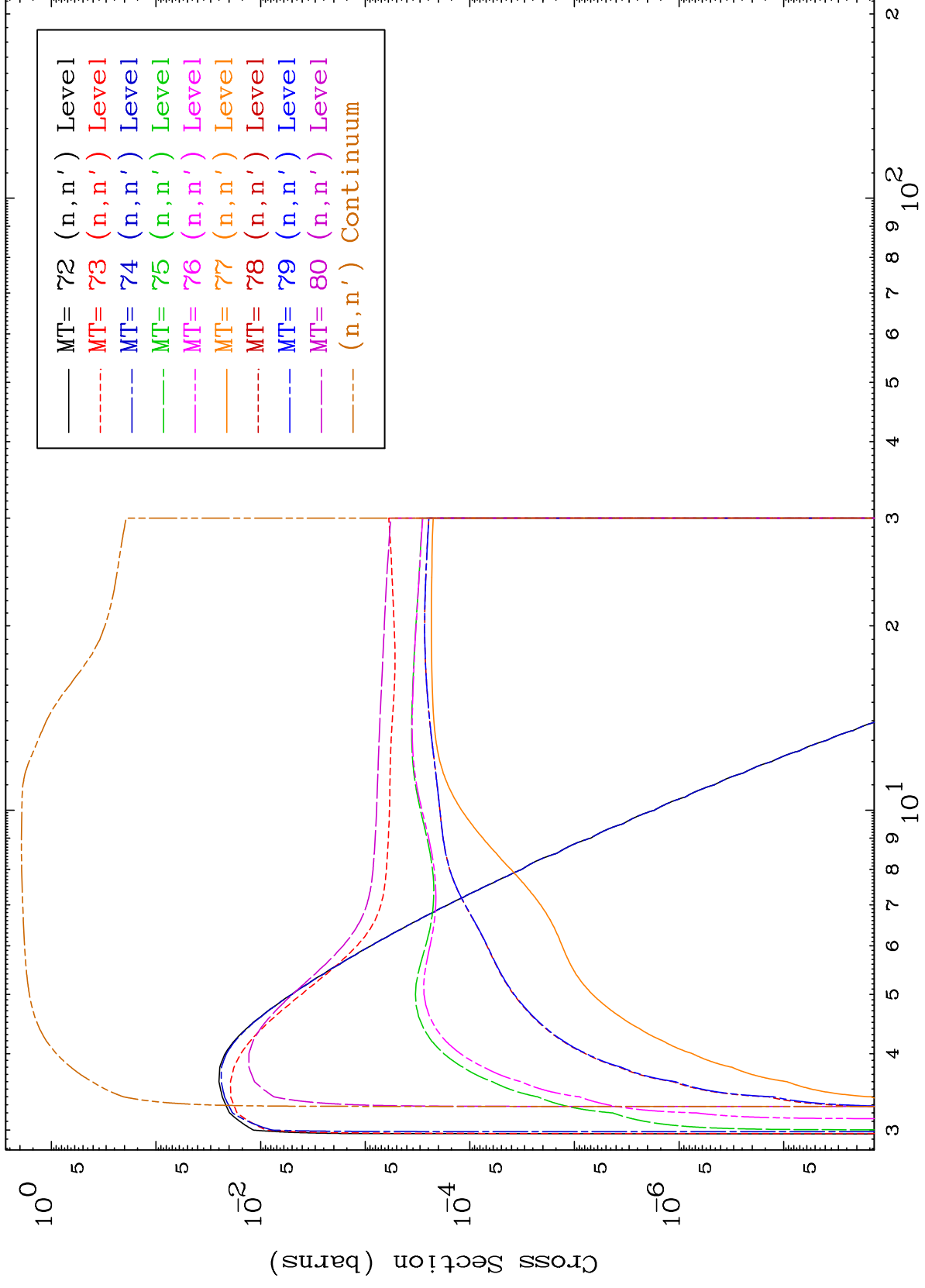
60-Nd-138

MAT 6013

(n,n') Level

60-Nd-138

293 Kelvin Cross Sections



9

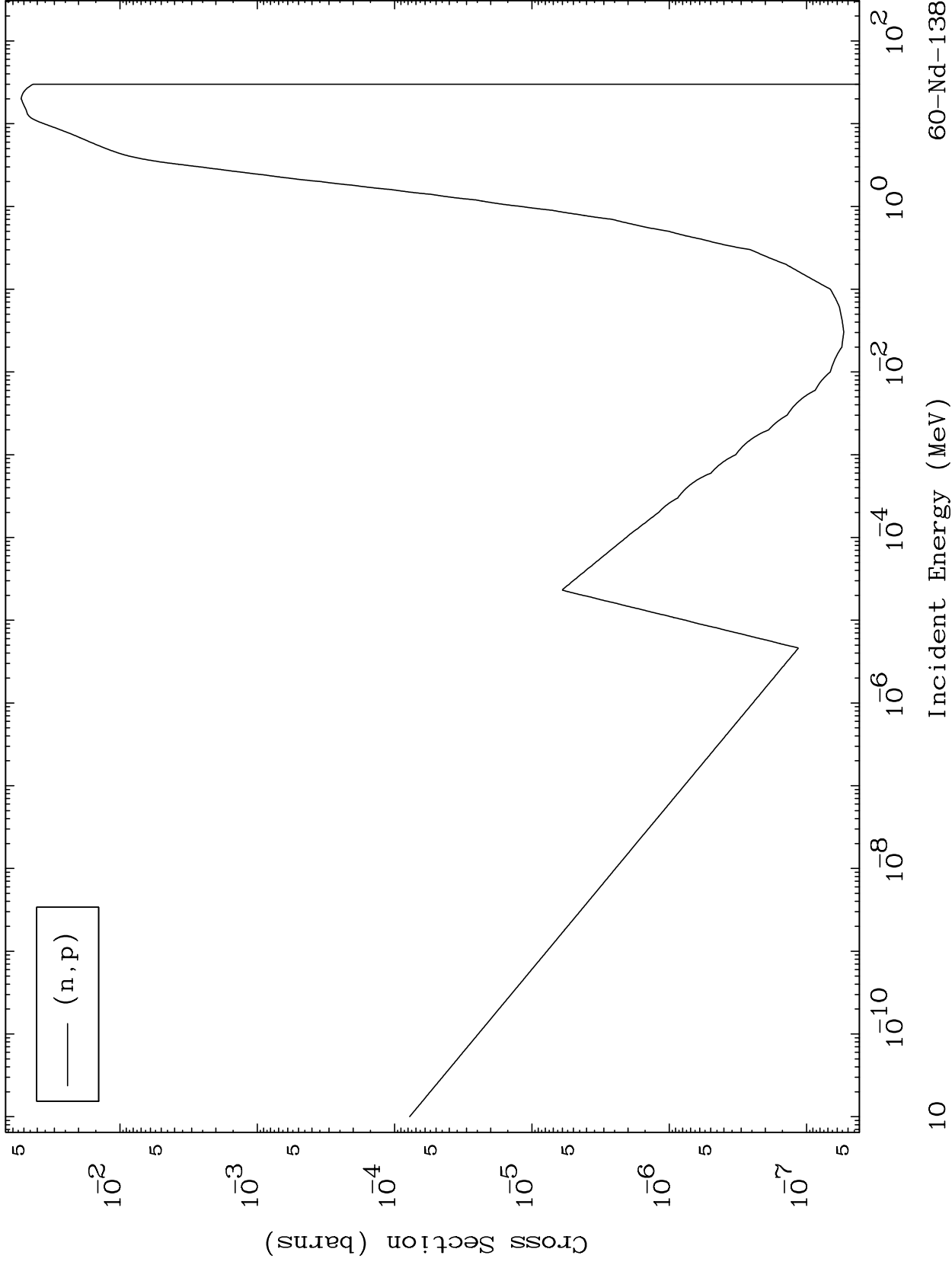
Incident Energy (MeV)

60-Nd-138

MAT 6013

(n,p) Levels  
293 Kelvin Cross Sections

60-Nd-138



10

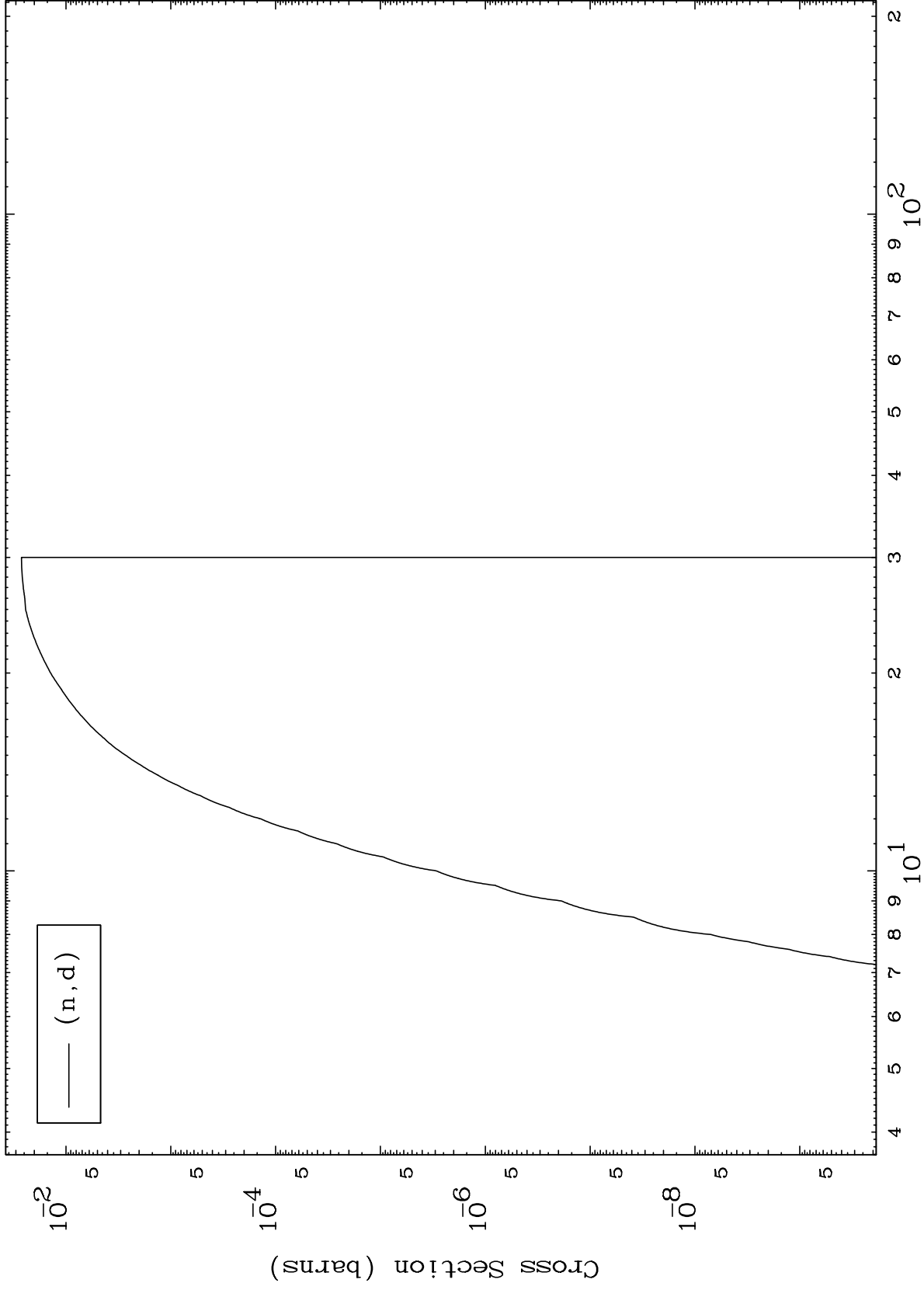
Incident Energy (MeV)

60-Nd-138

MAT 6013

(n,d) Levels  
293 Kelvin Cross Sections

60-Nd-138



11

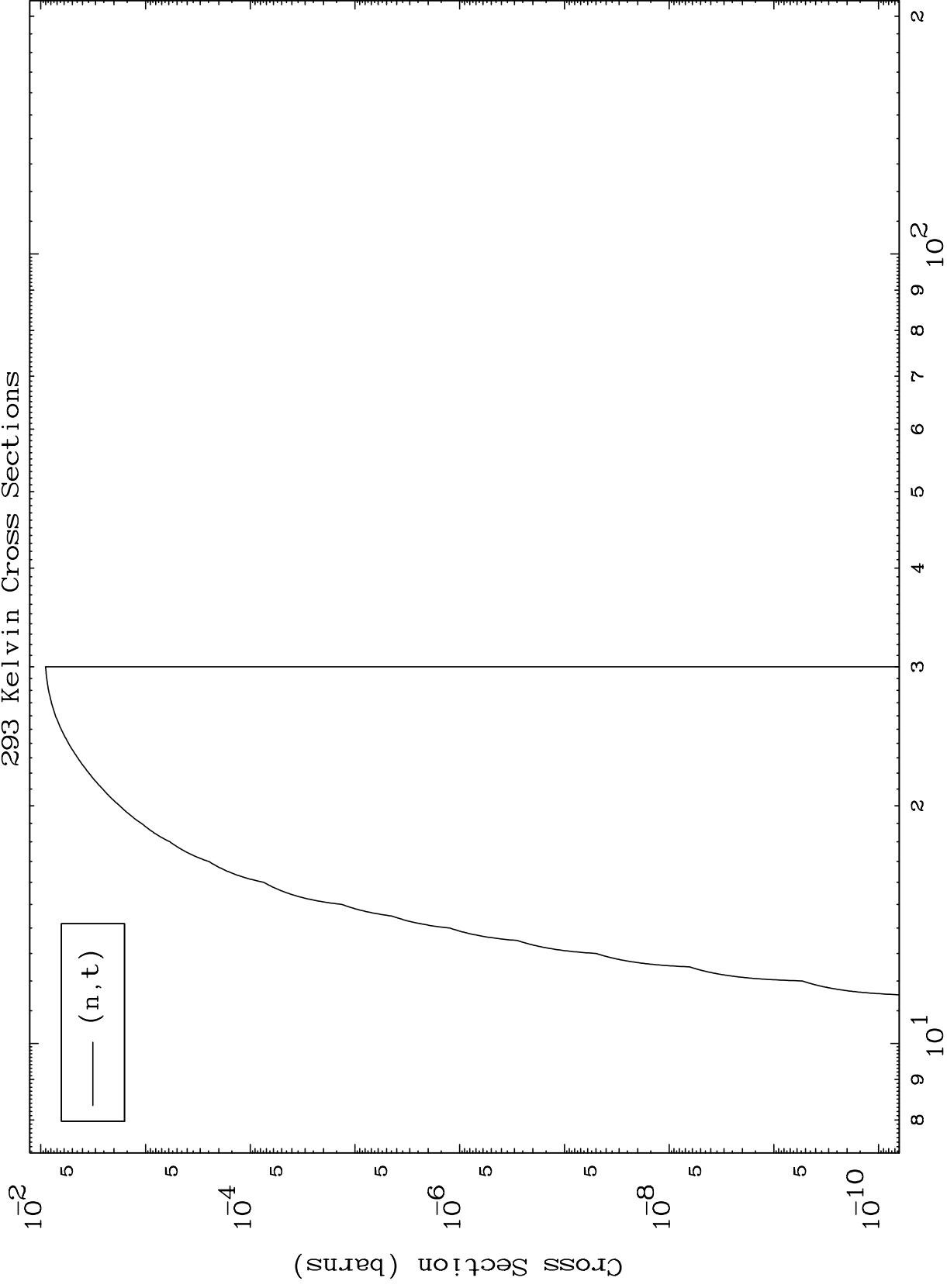
Incident Energy (MeV)

60-Nd-138

MAT 6013

(n,t) Levels  
293 Kelvin Cross Sections

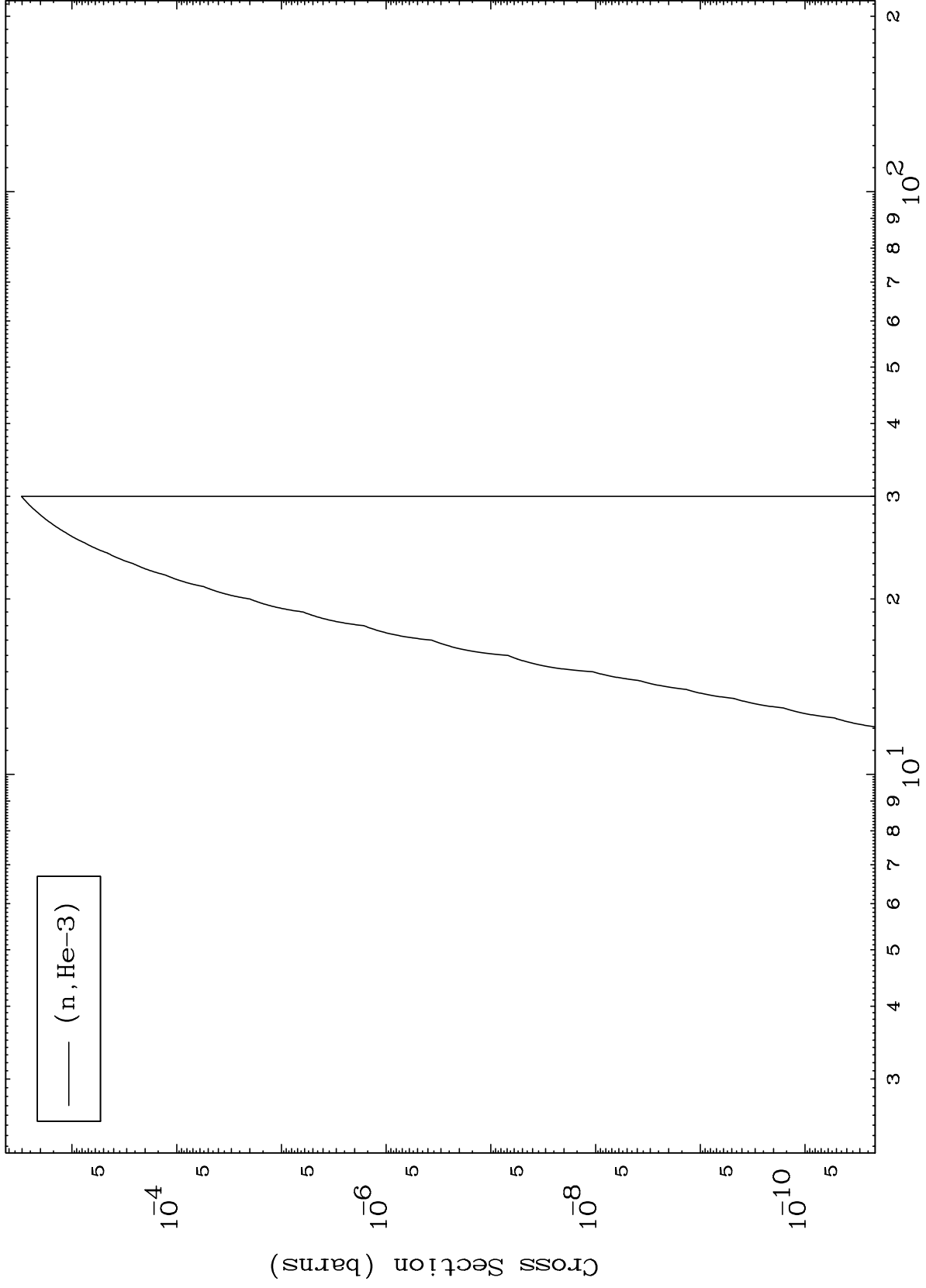
60-Nd-138



MAT 6013

(n,He3) Levels  
293 Kelvin Cross Sections

60-Nd-138



13

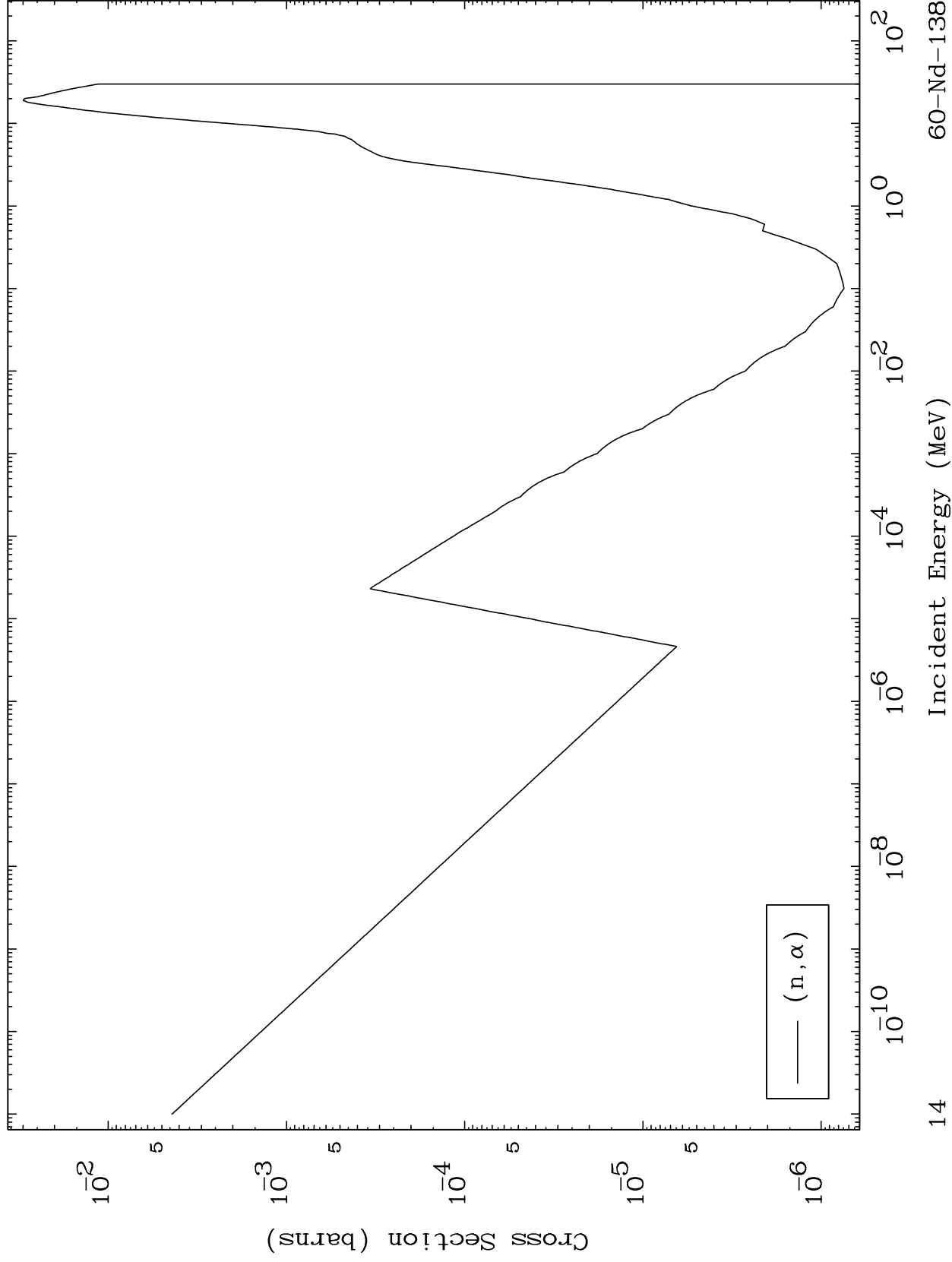
Incident Energy (MeV)

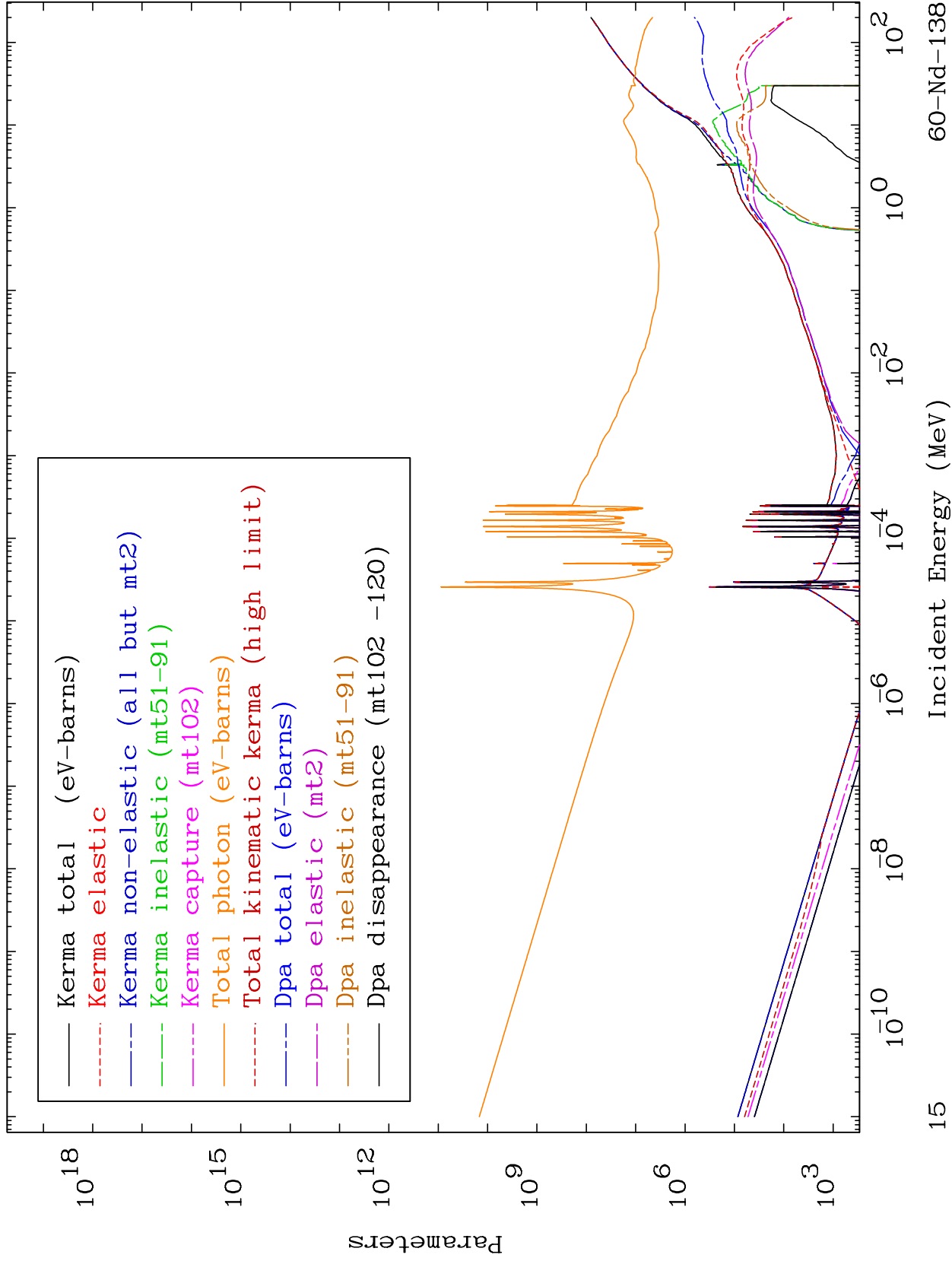
60-Nd-138

MAT 6013

(n,α) Levels  
293 Kelvin Cross Sections

60-Nd-138



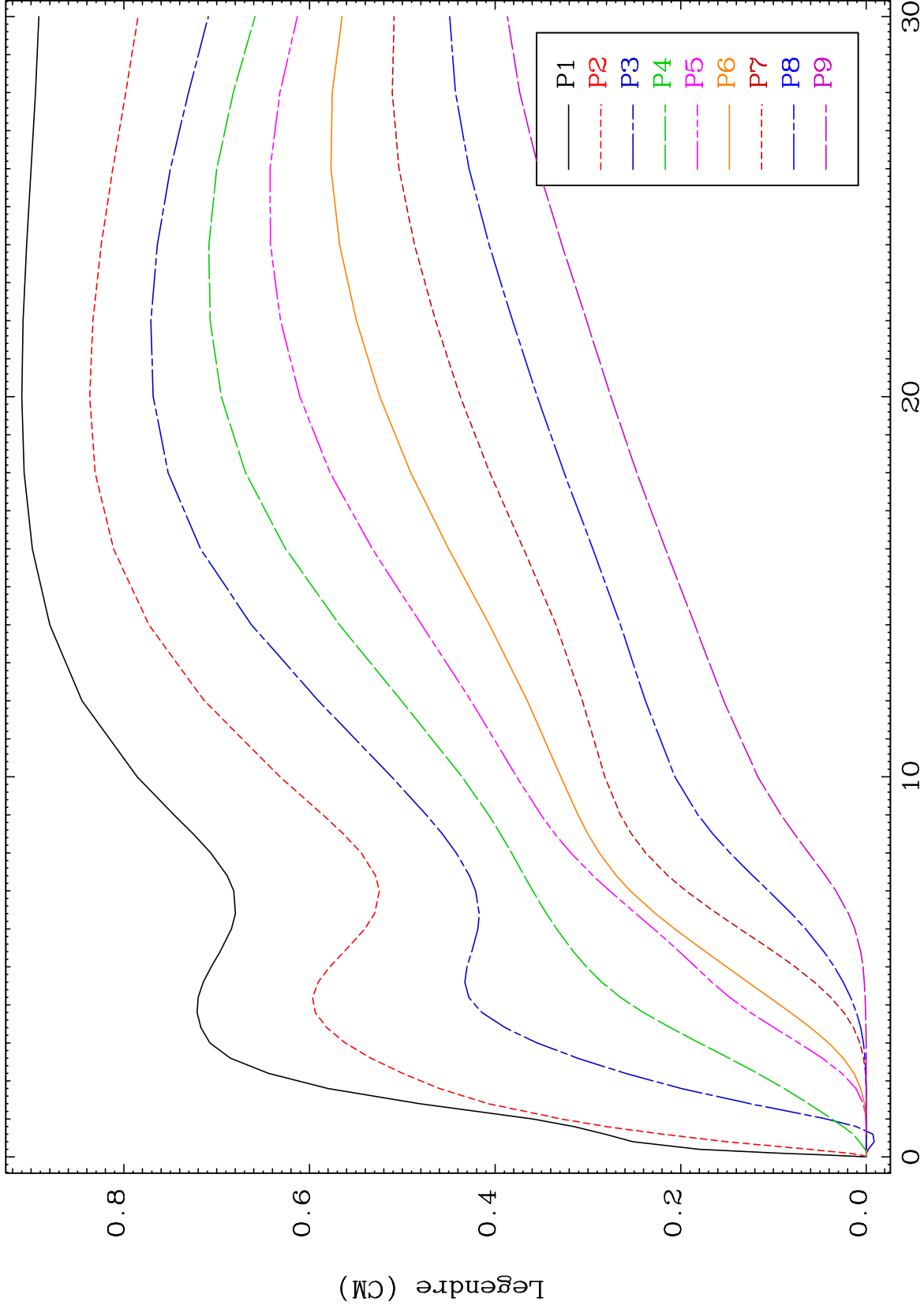




MAT 6013

Elastic Legendre Coefficients

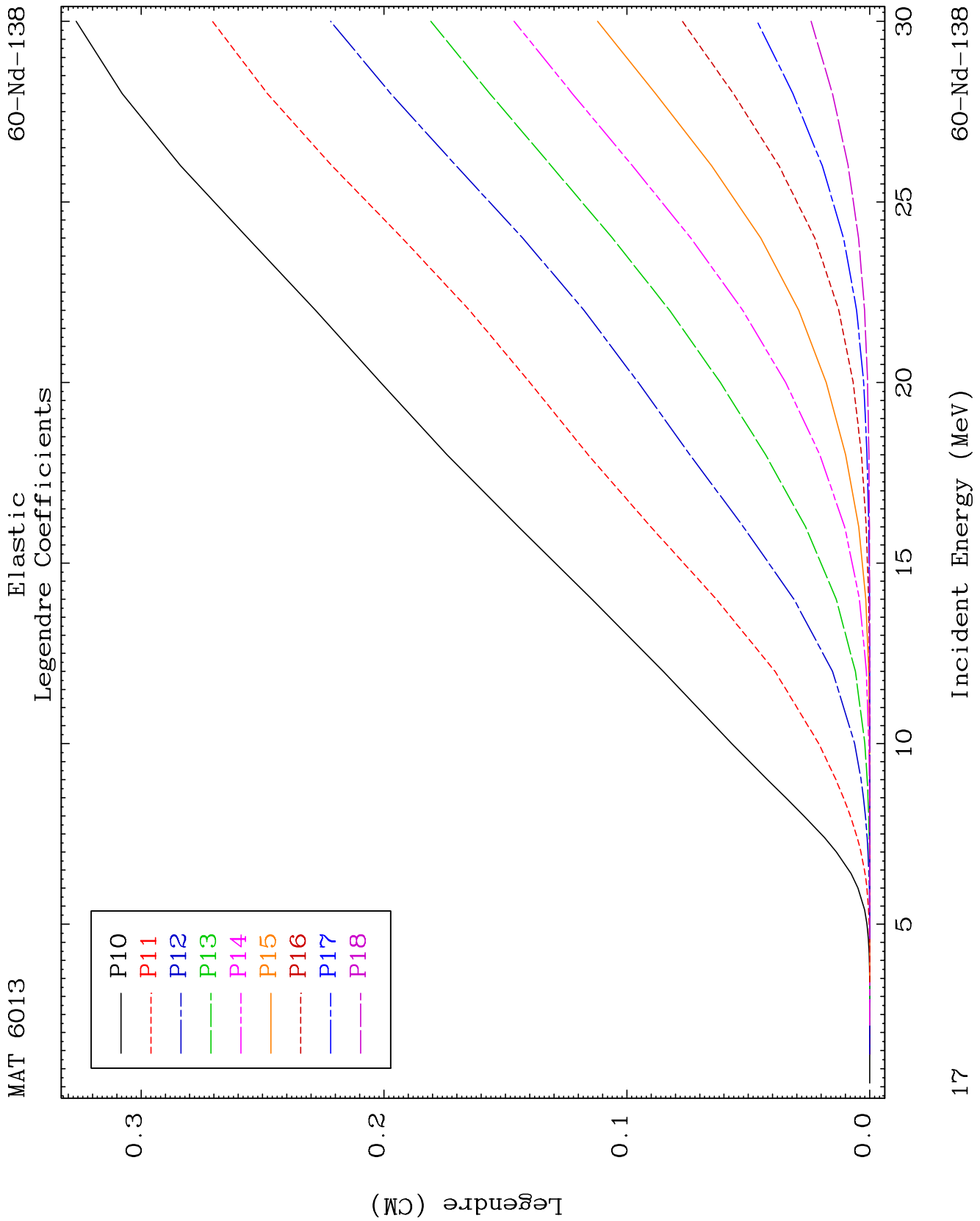
60-Nd-138



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Incident Energy (MeV)

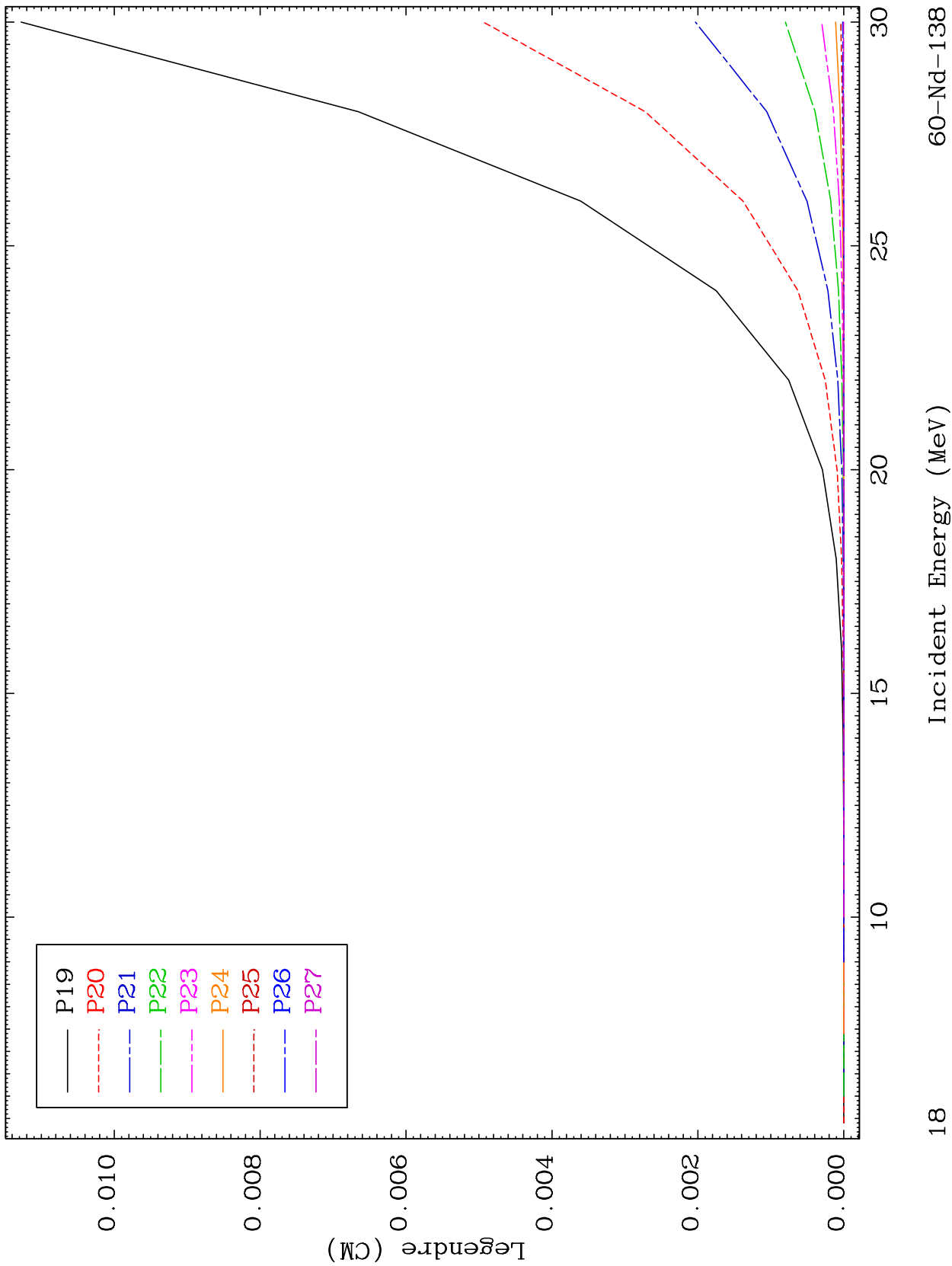
60-Nd-138



MAT 6013

### Elastic Legendre Coefficients

60-Nd-138



18

60-Nd-138

Incident Energy (MeV)

15

20

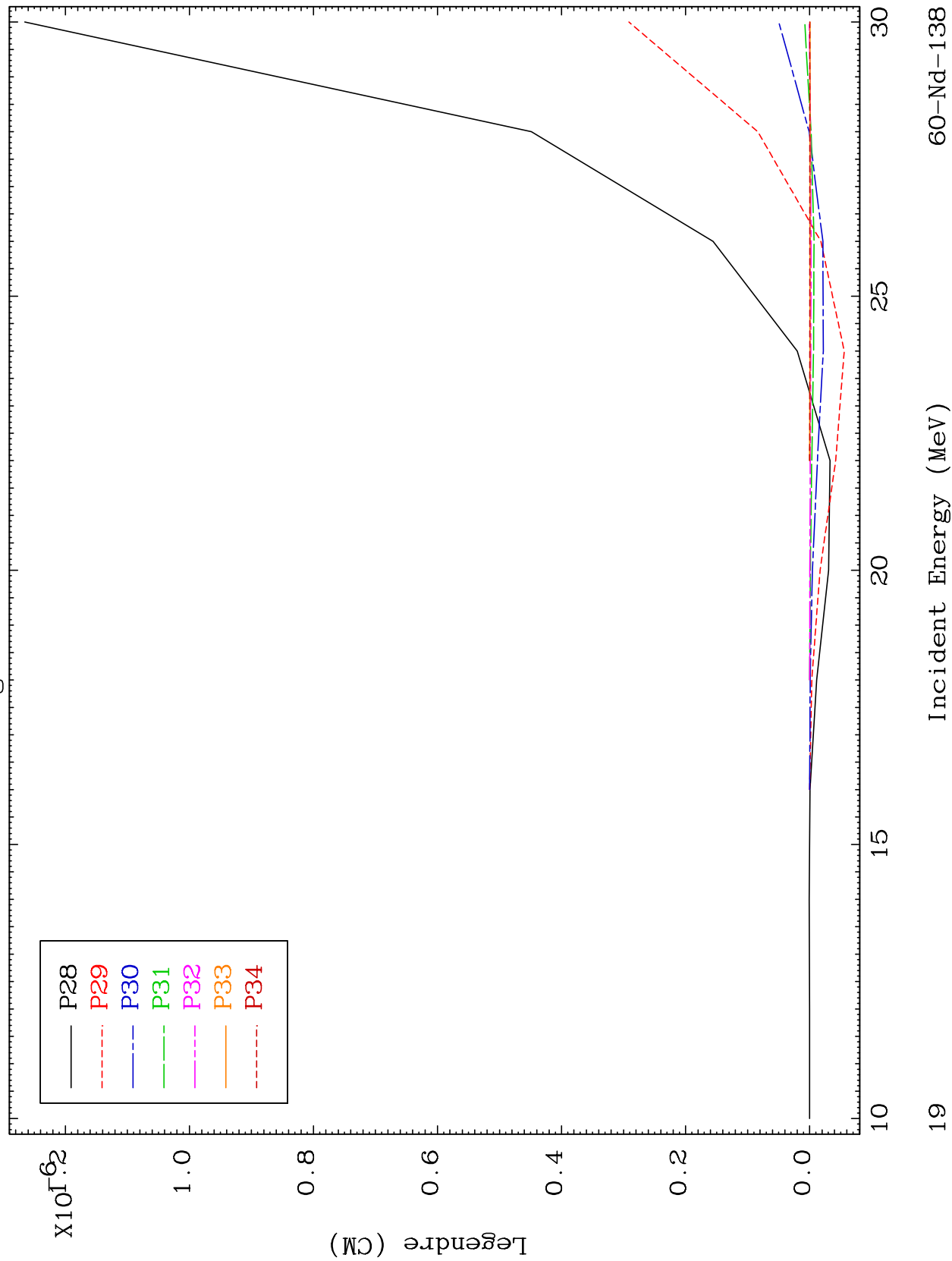
25

30

MAT 6013

Elastic Legendre Coefficients

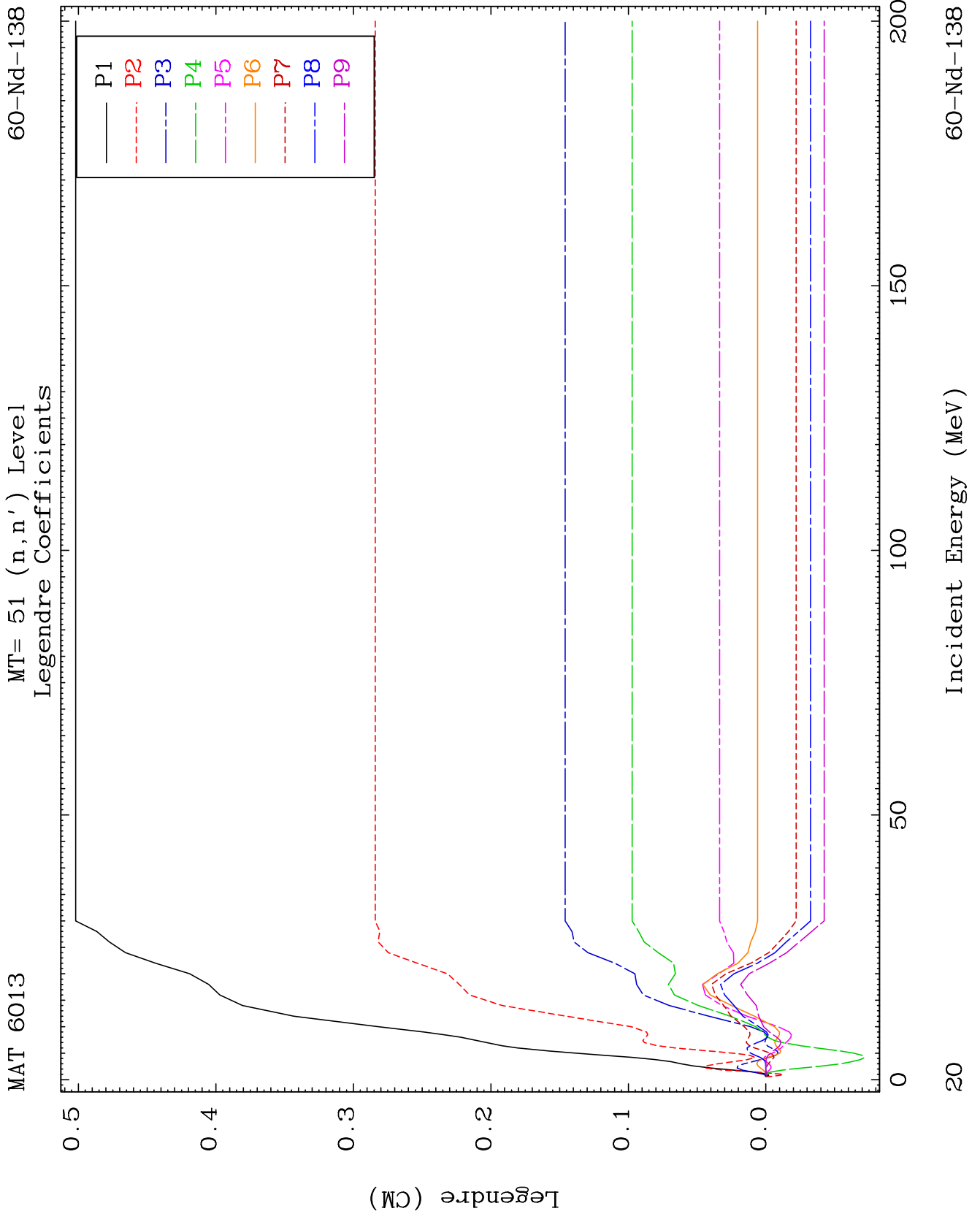
60-Nd-138



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Incident Energy (MeV)

60-Nd-138

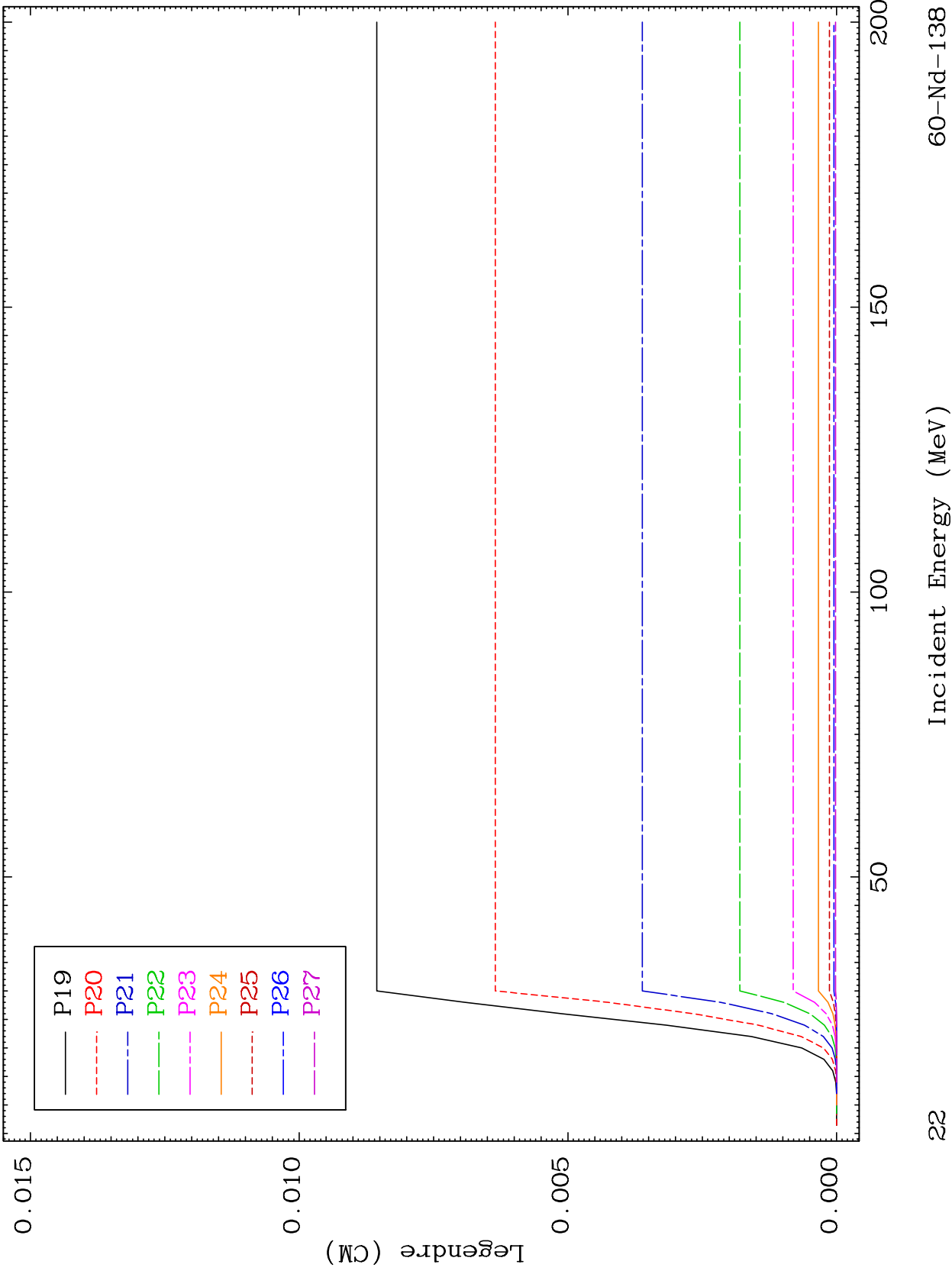




MAT 6013

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

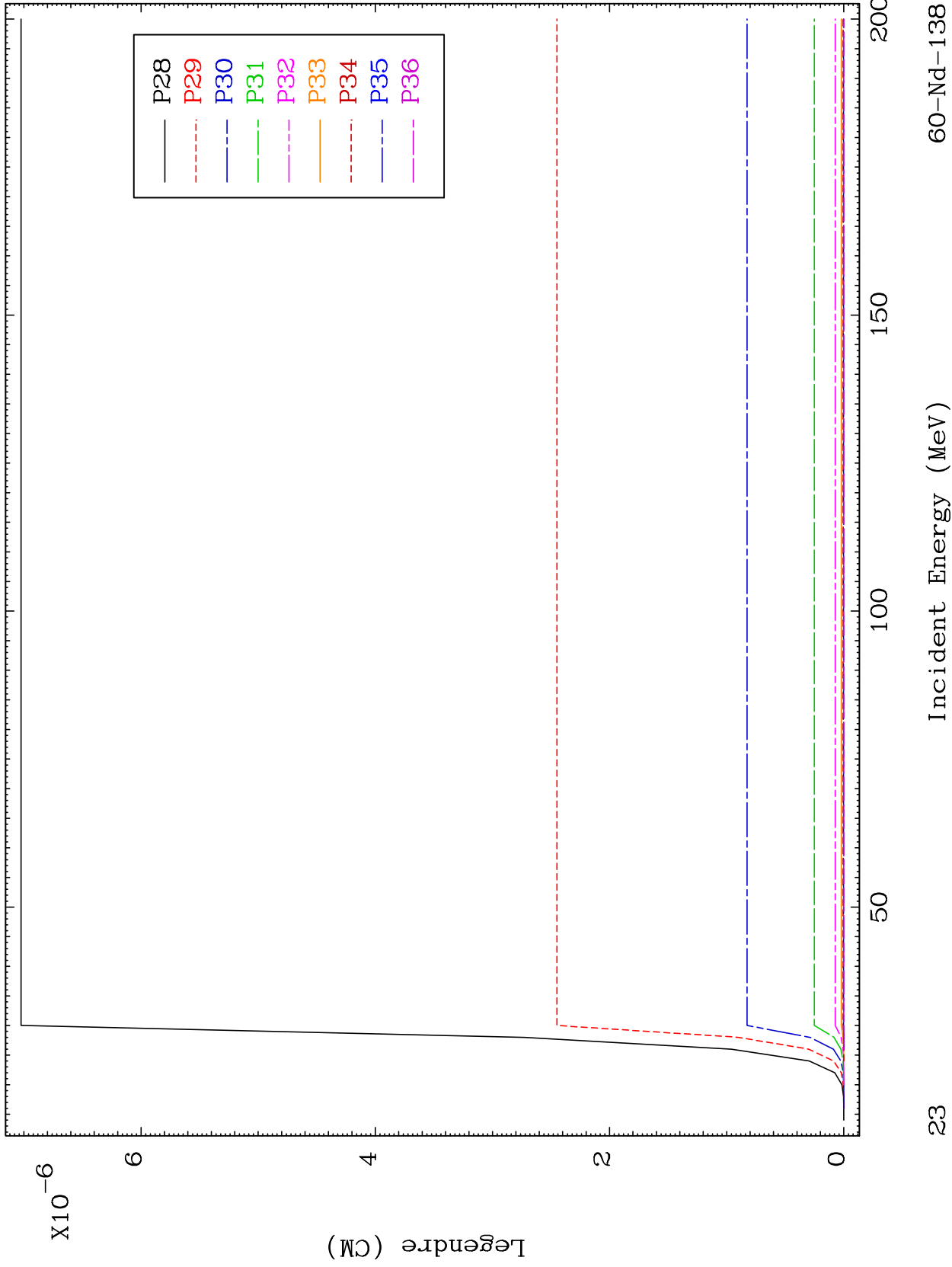
60-Nd-138



MAT 6013

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

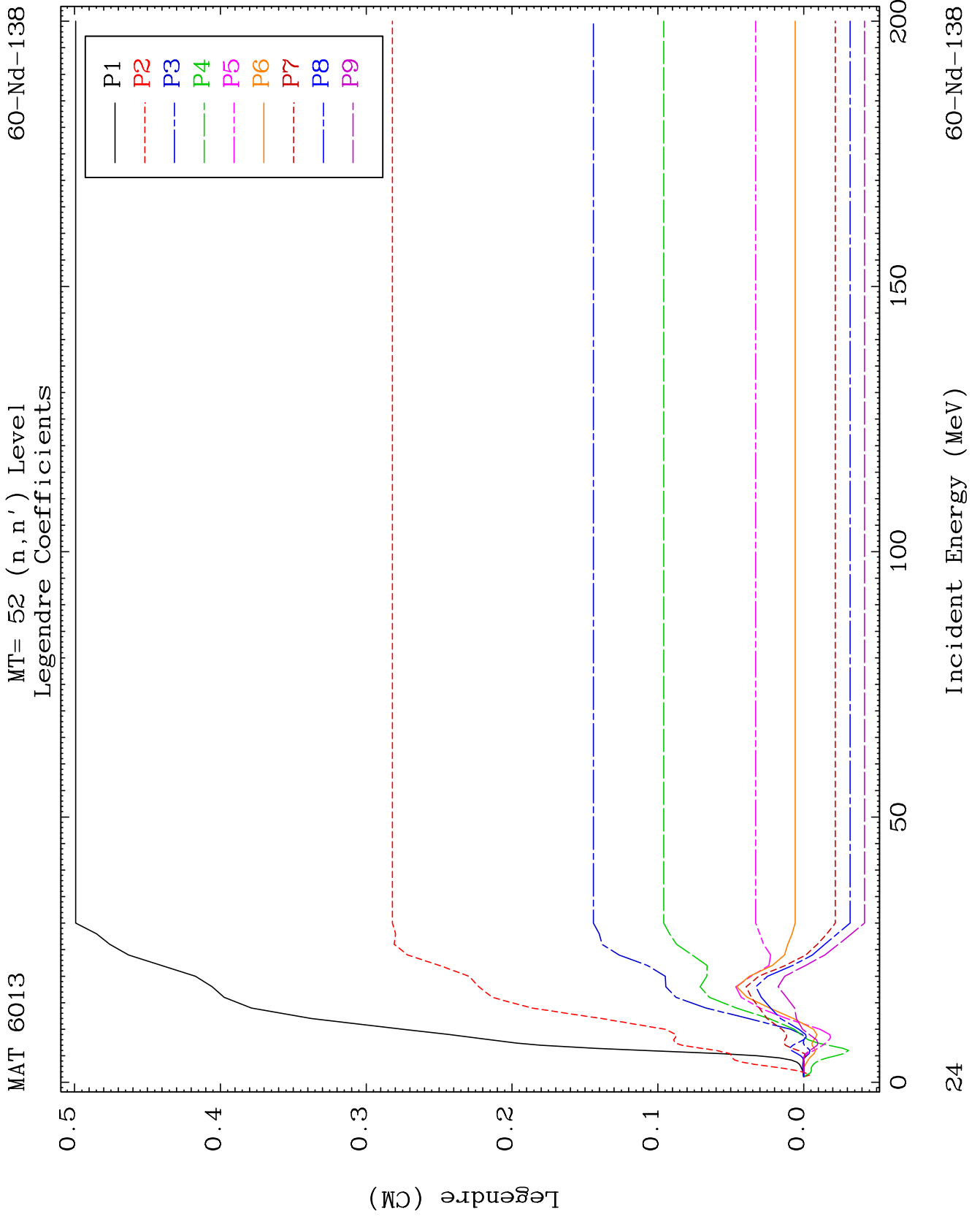
60-Nd-138

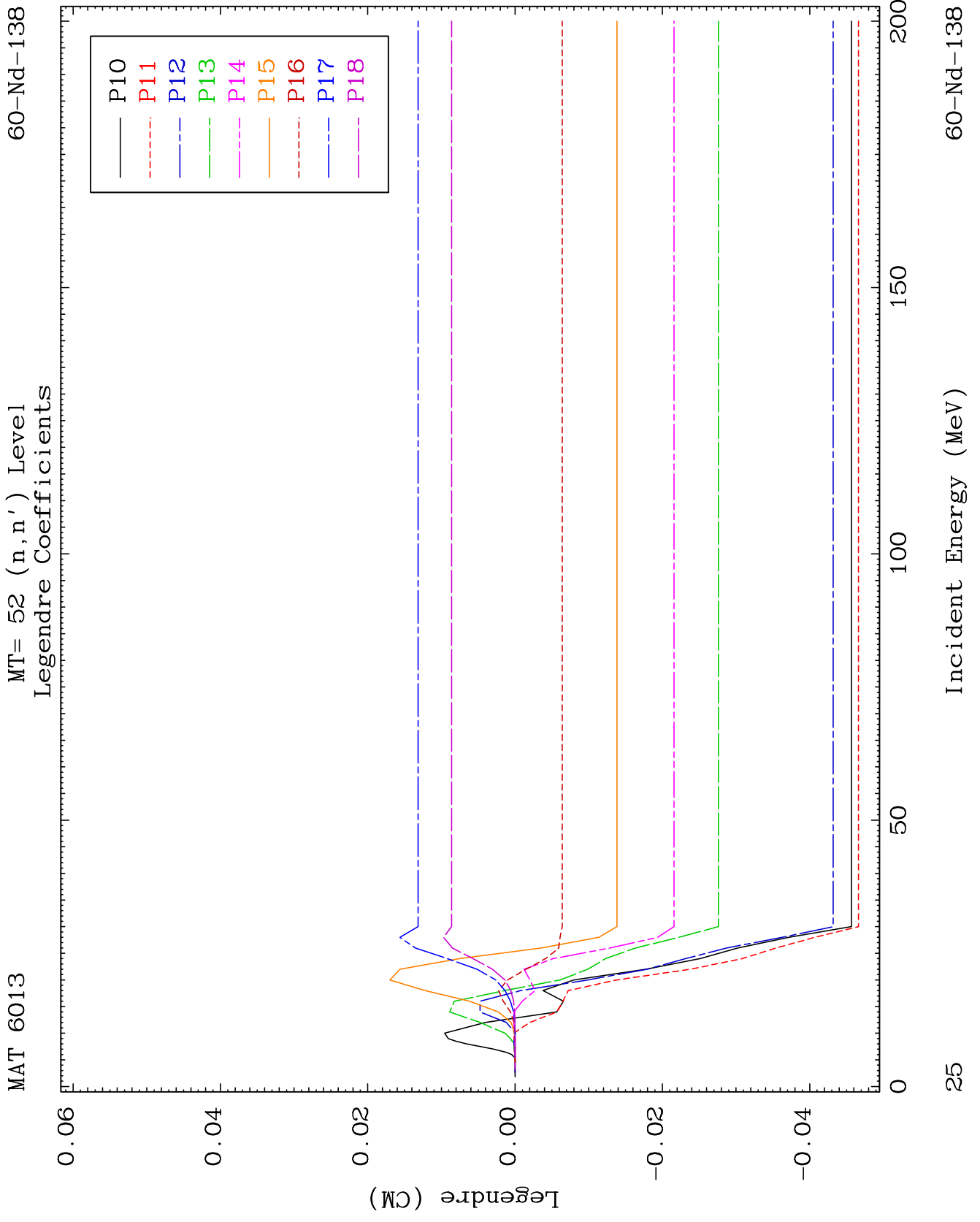


23

60-Nd-138



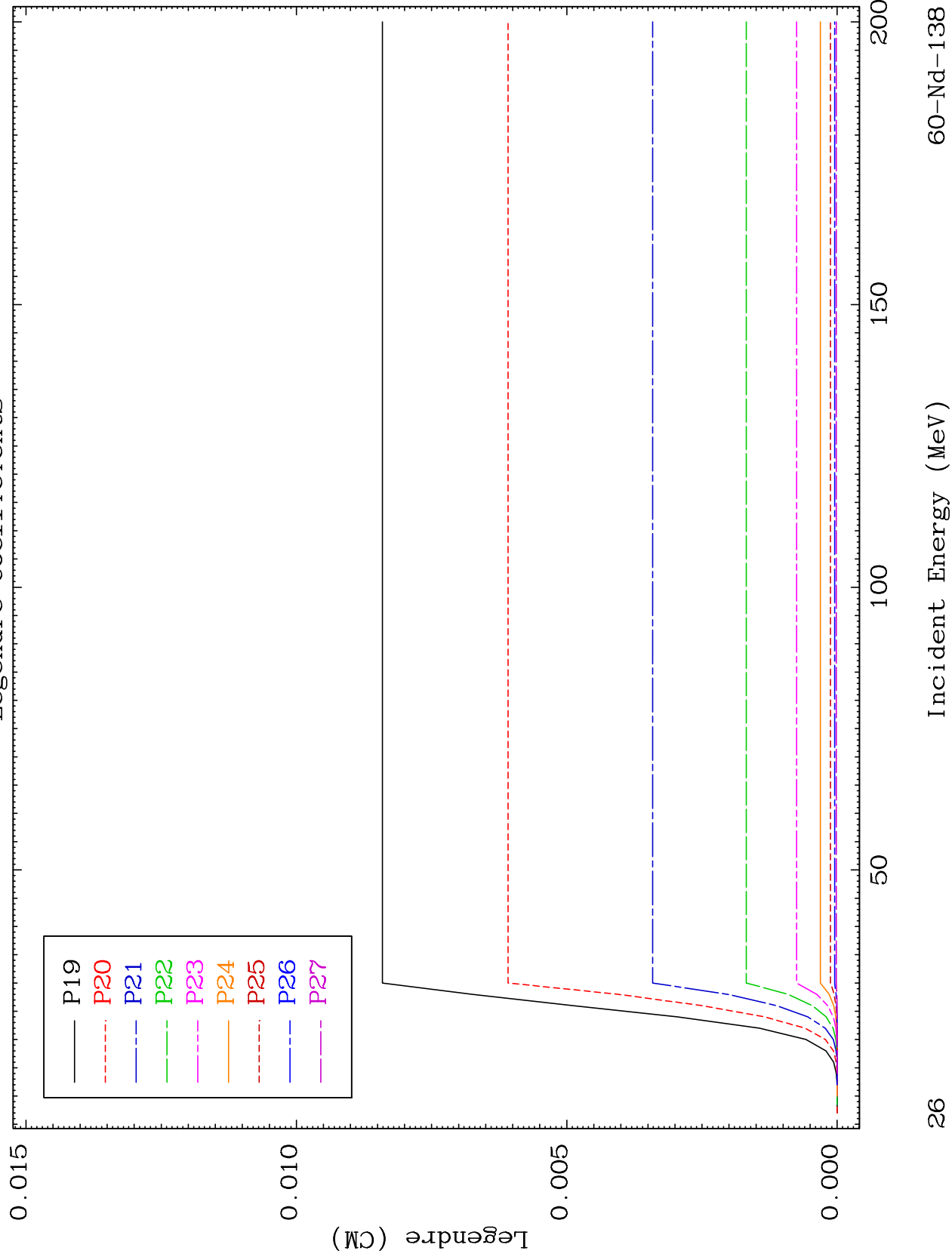




MAT 6013

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

60-Nd-138



26

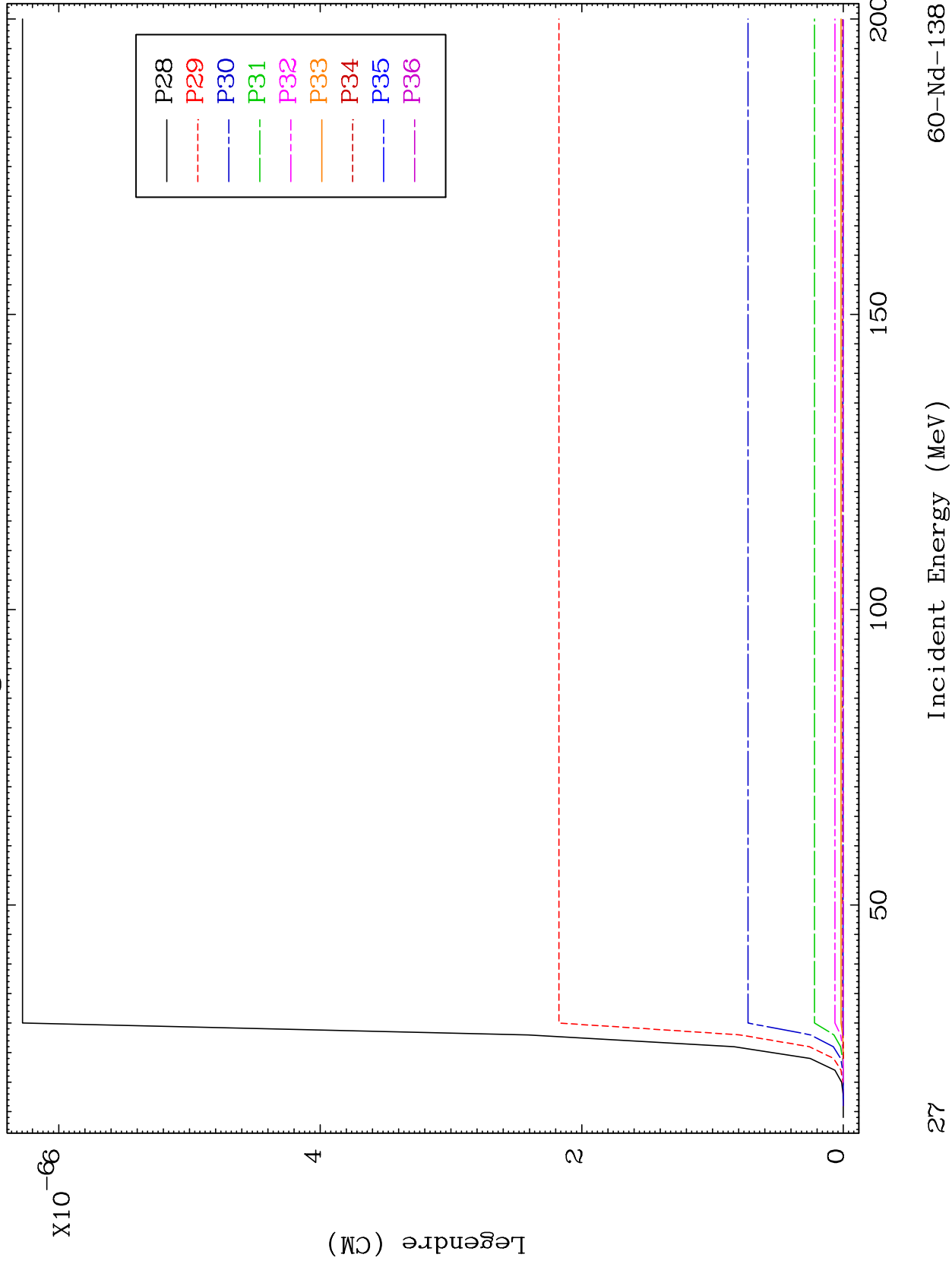
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

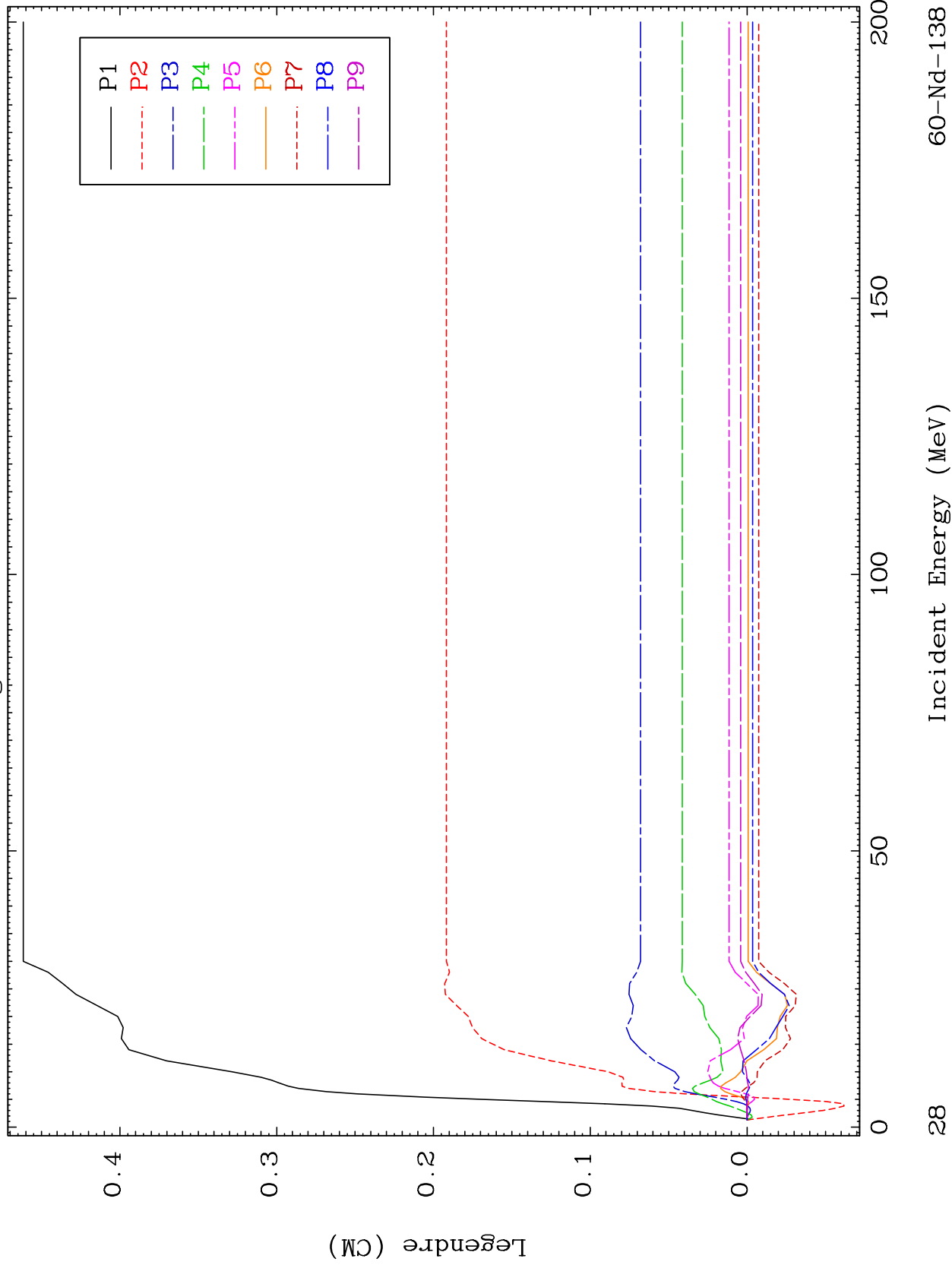
60-Nd-138



MAT 6013

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

60-Nd-138



60-Nd-138

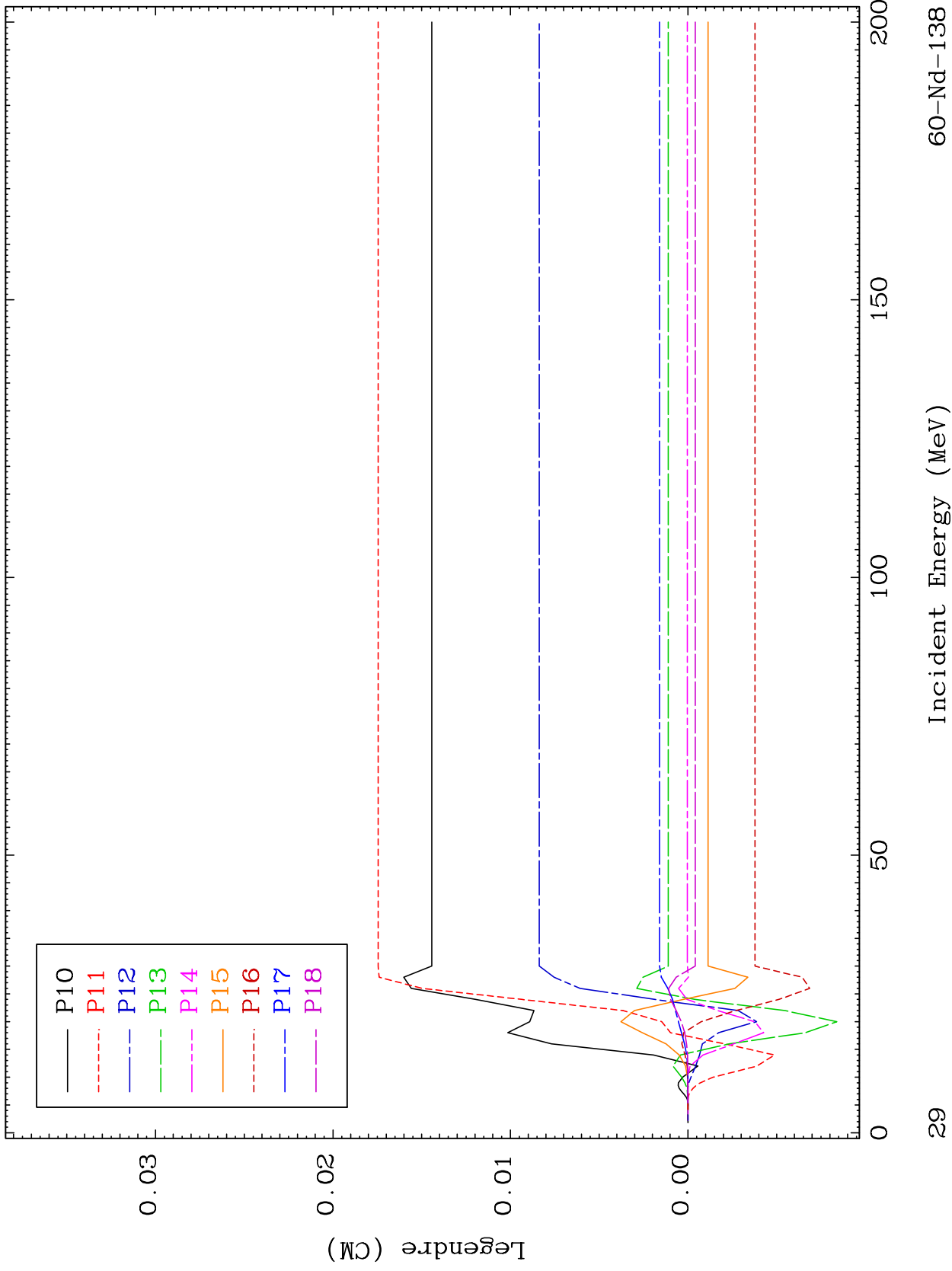
Incident Energy (MeV)

28

MAT 6013

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

60-Nd-138



29

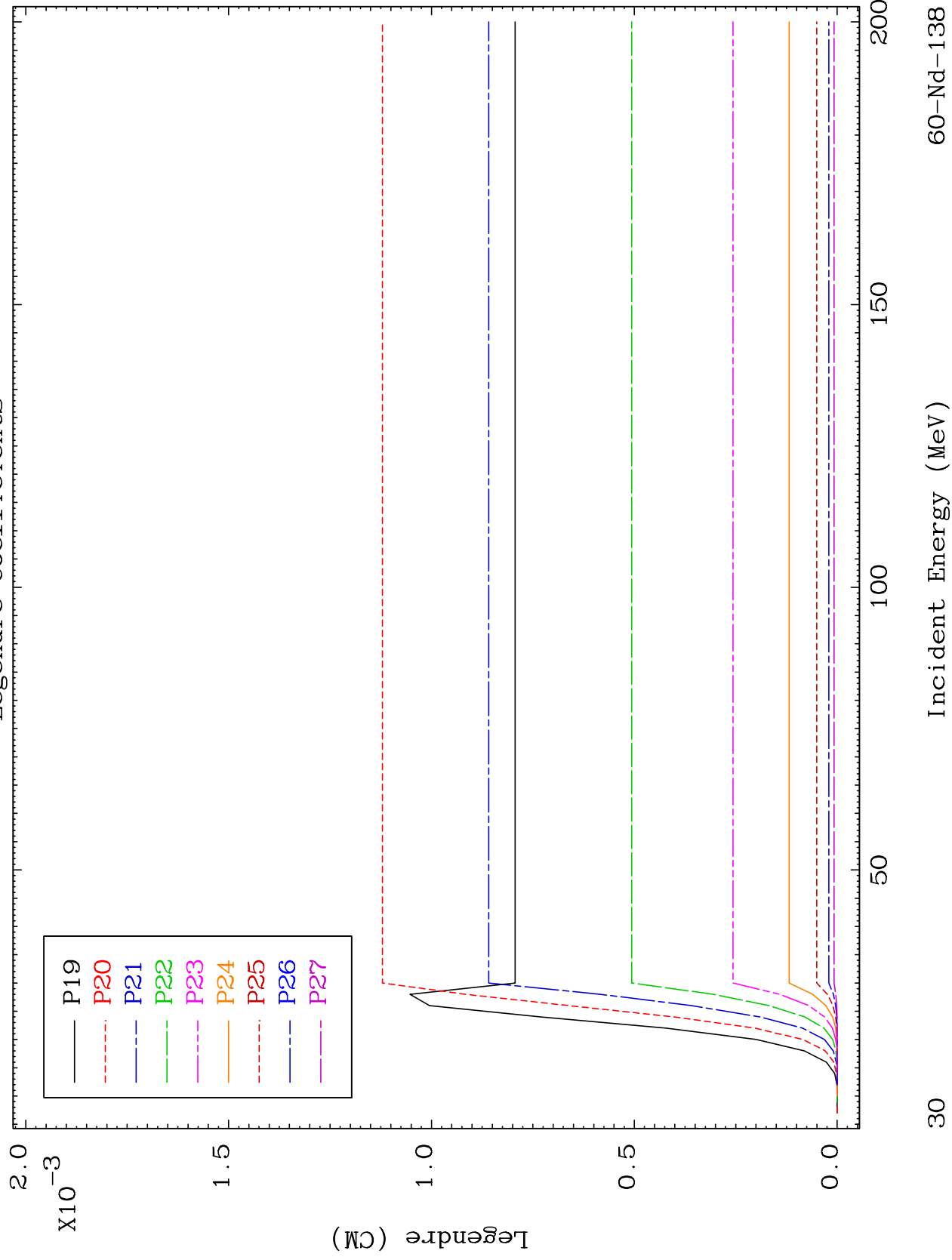
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

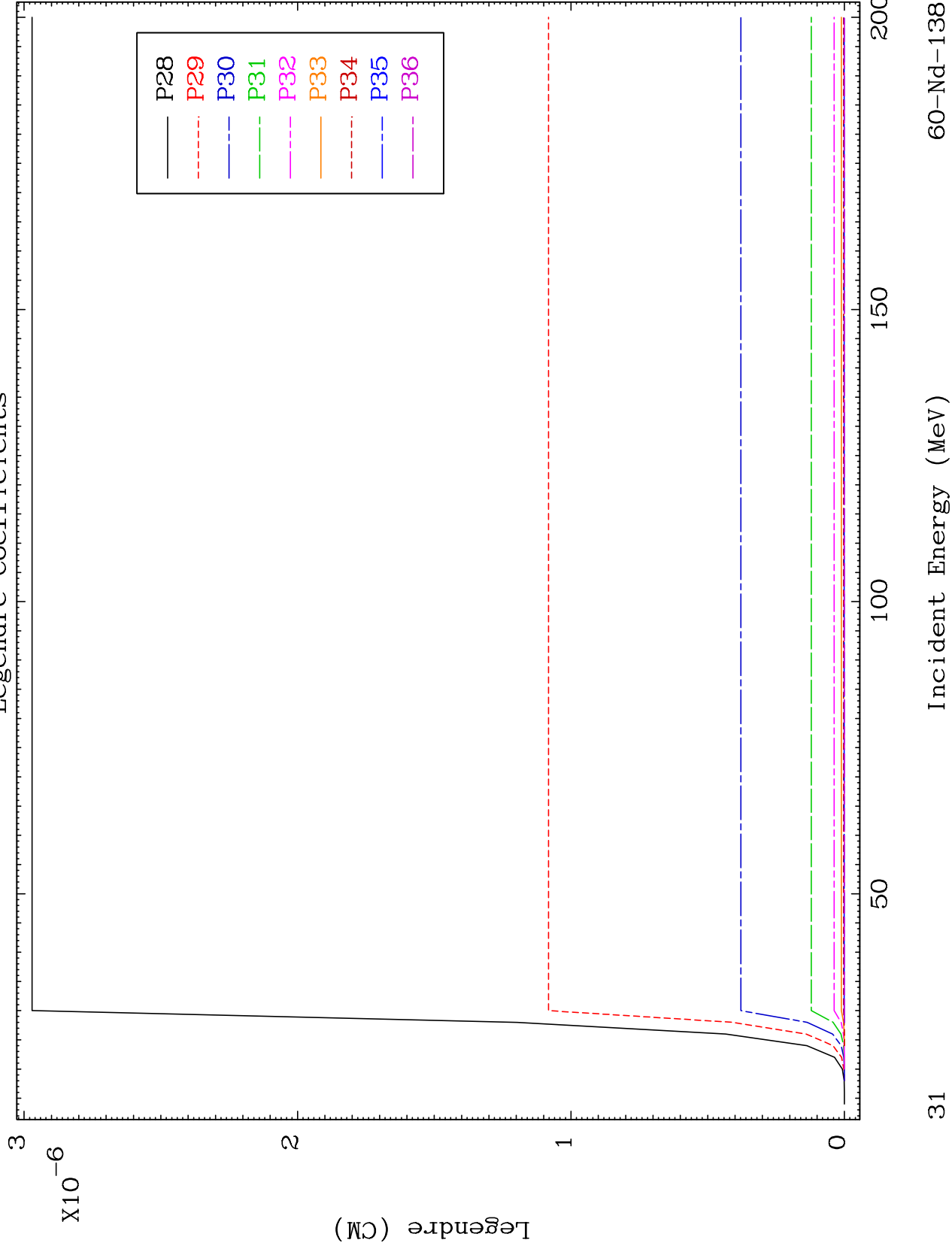
60-Nd-138



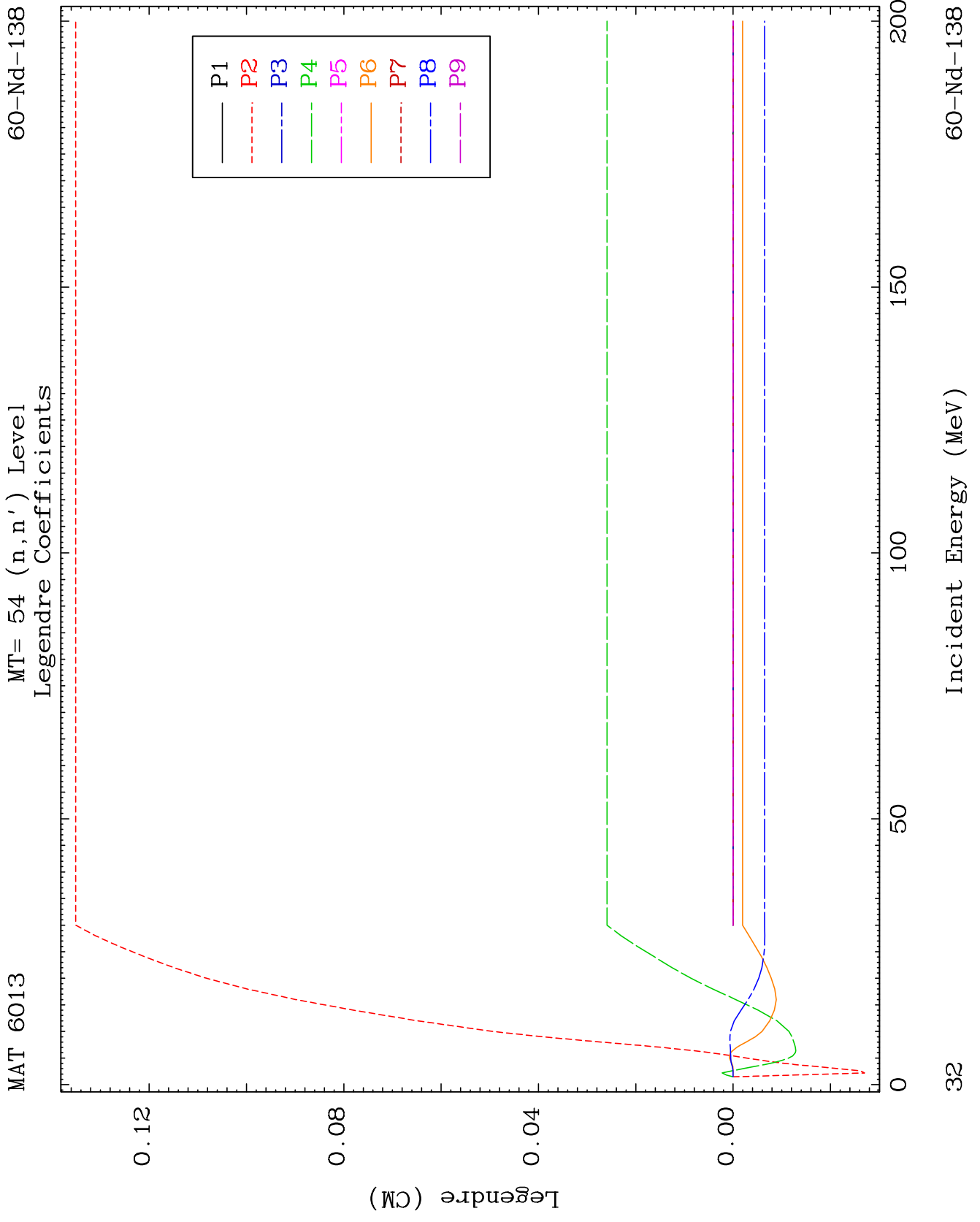
MAT 6013

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

60-Nd-138



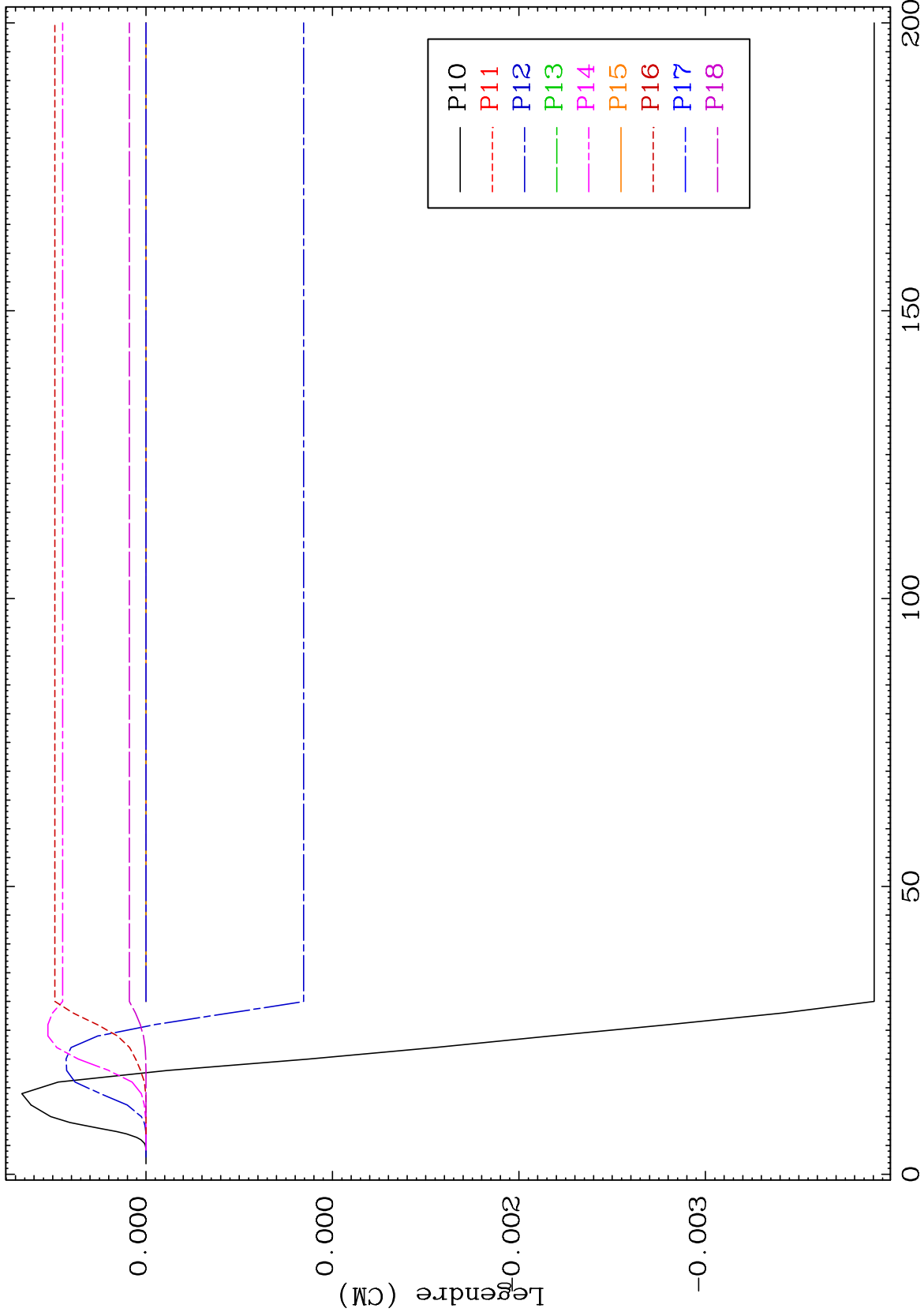




MAT 6013

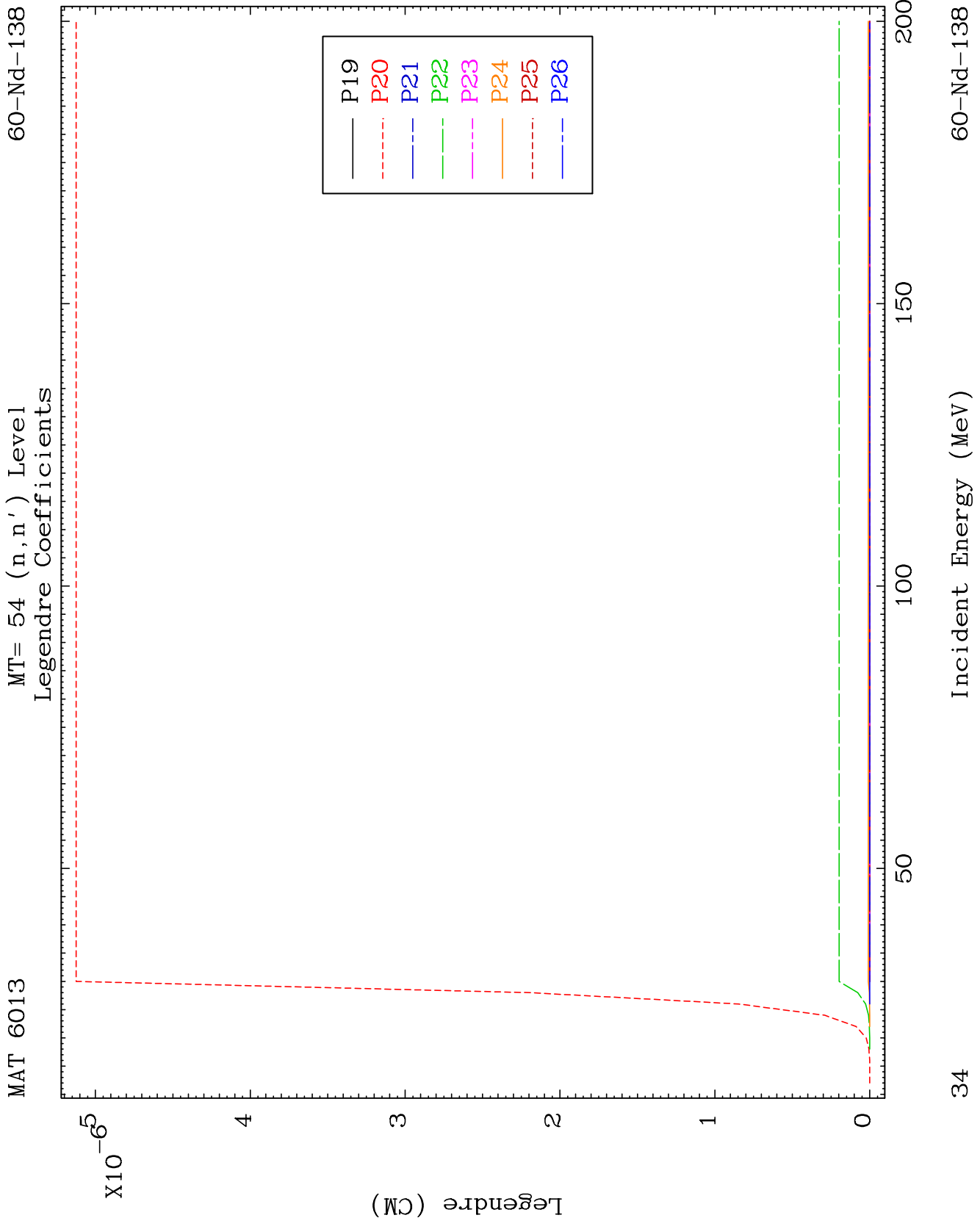
MT= 54 (n,n') Level  
Legendre Coefficients

60-Nd-138



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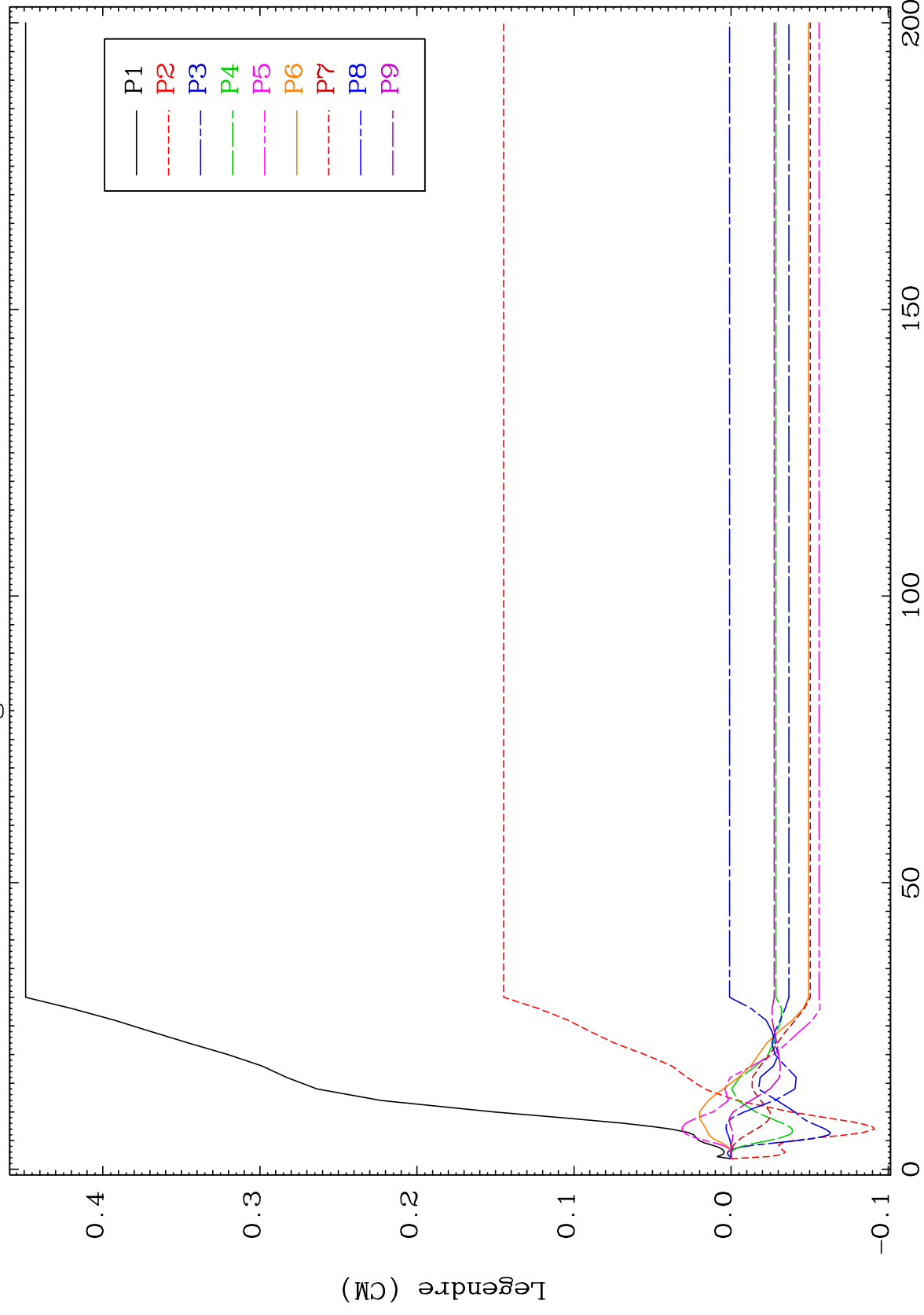
60-Nd-138



MAT 6013

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

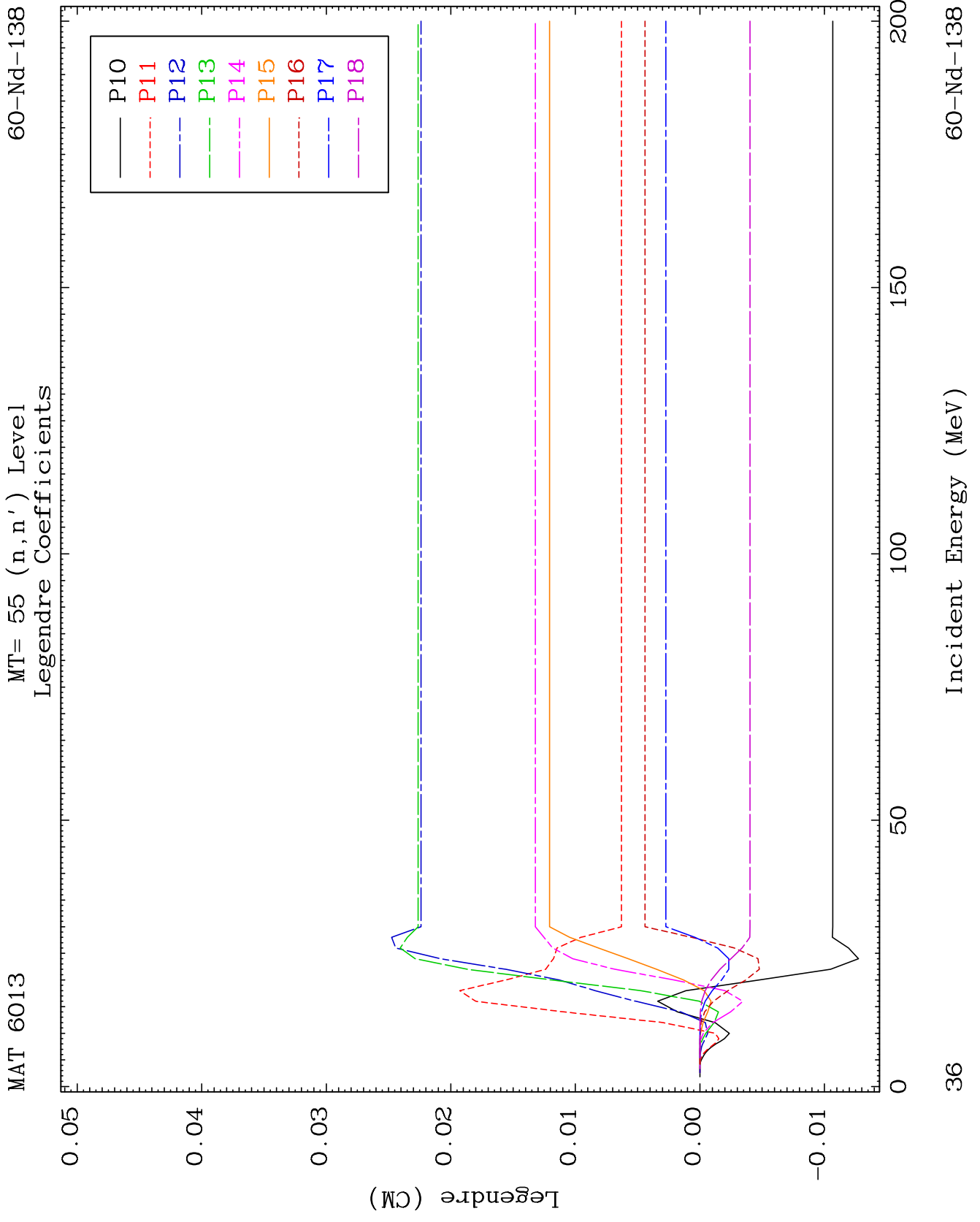
60-Nd-138



60-Nd-138

Incident Energy (MeV)

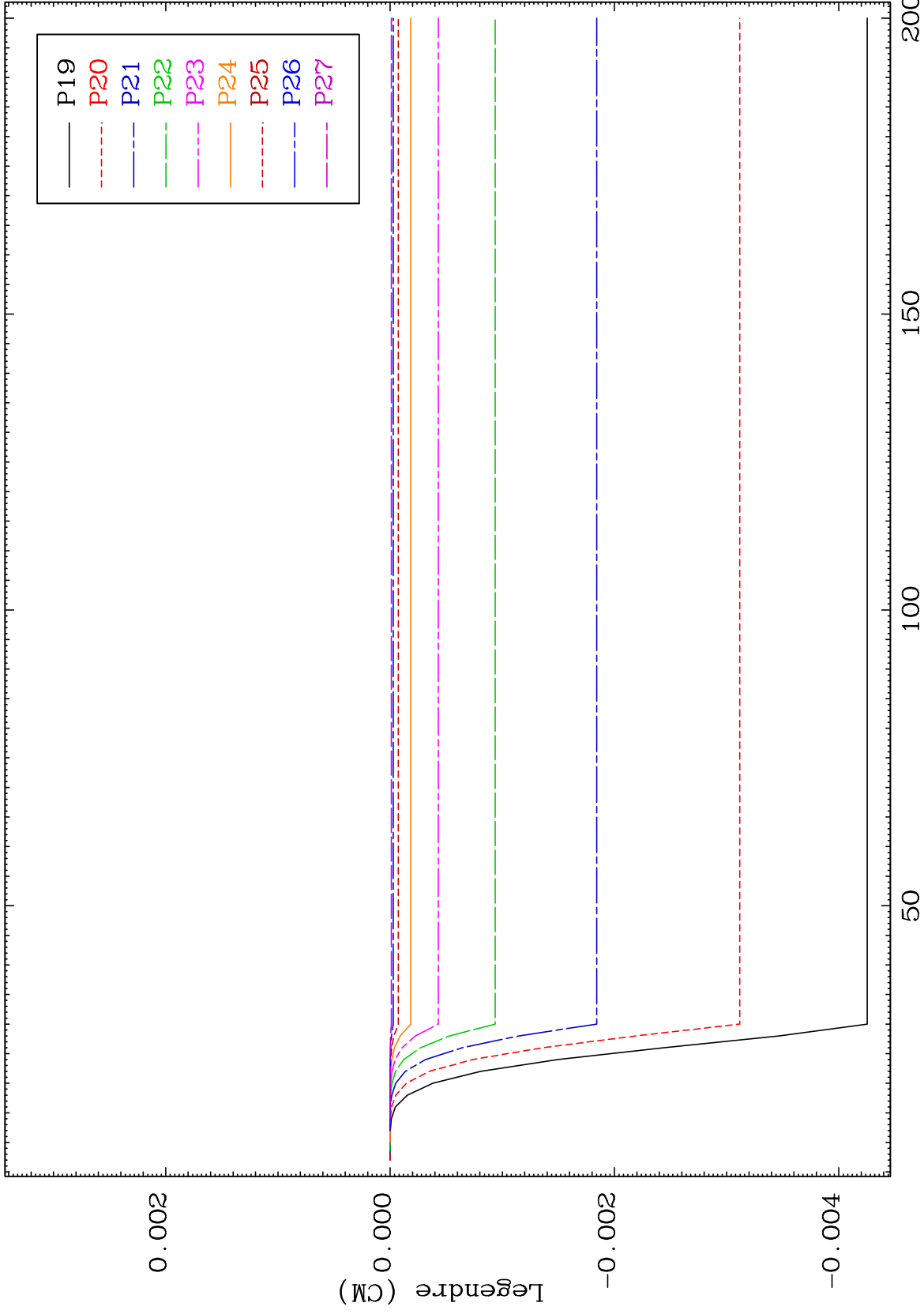
35



MAT 6013

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

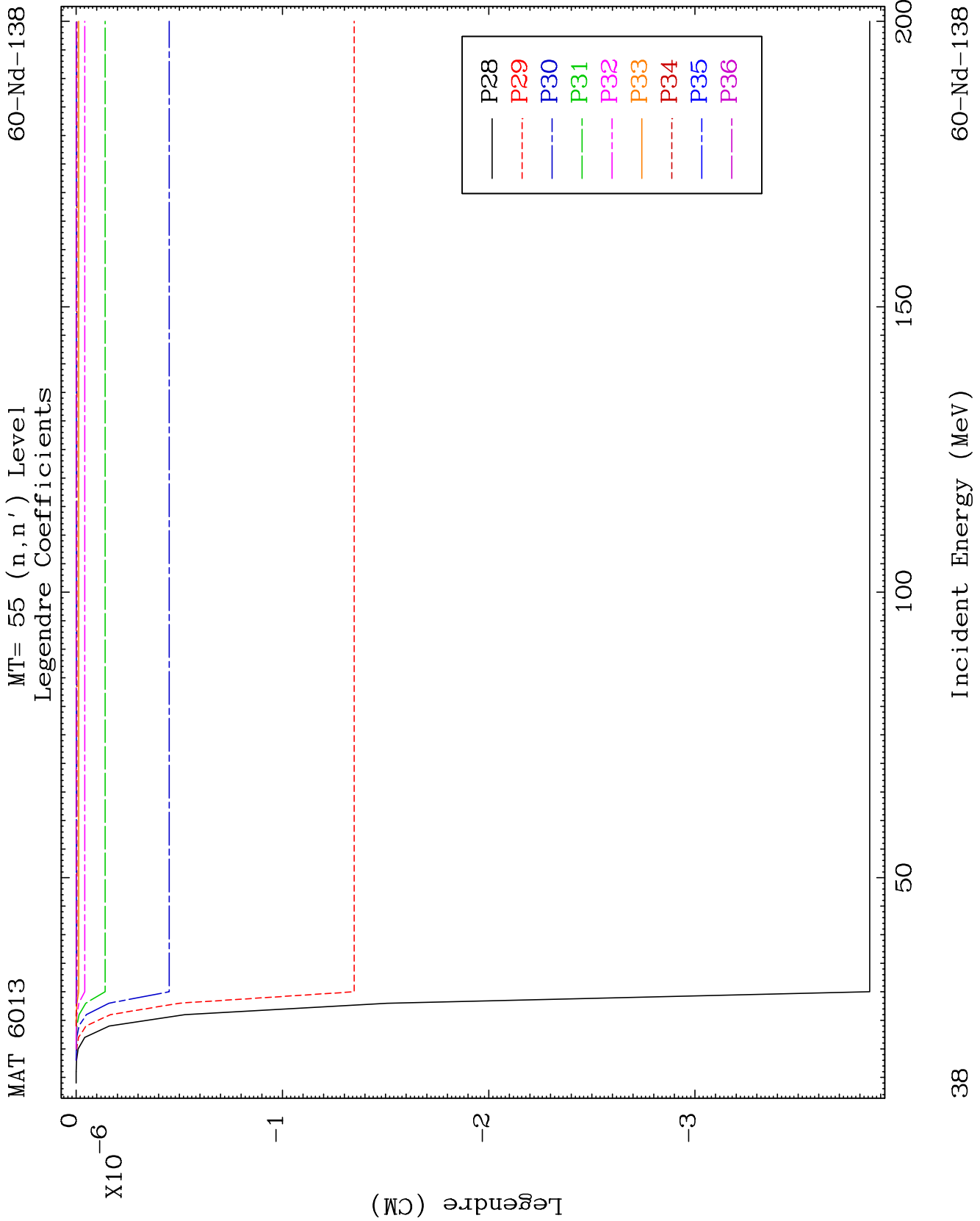
60-Nd-138



37

Incident Energy (MeV)

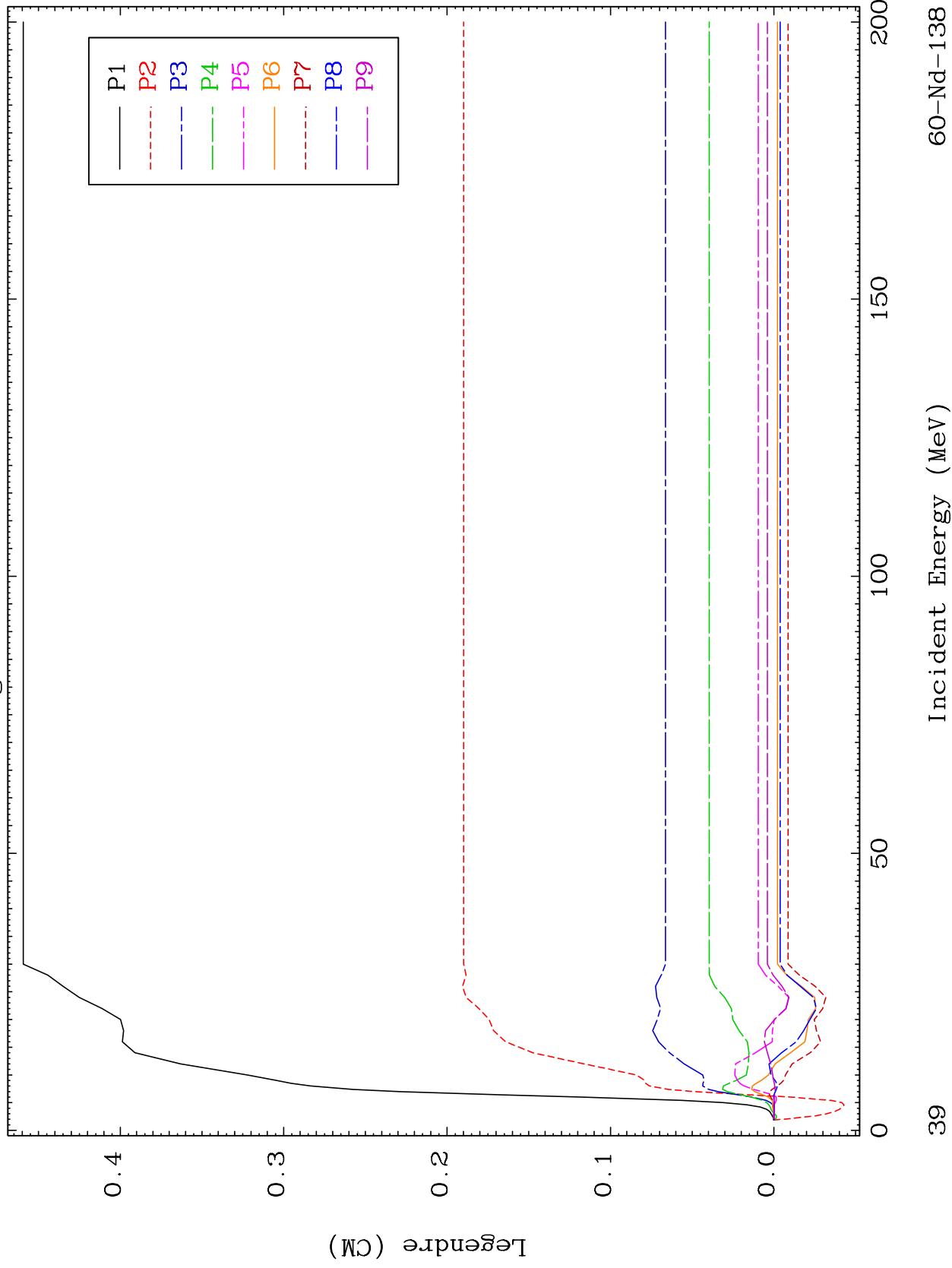
60-Nd-138



MAT 6013

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

60-Nd-138



60-Nd-138

Incident Energy (MeV)

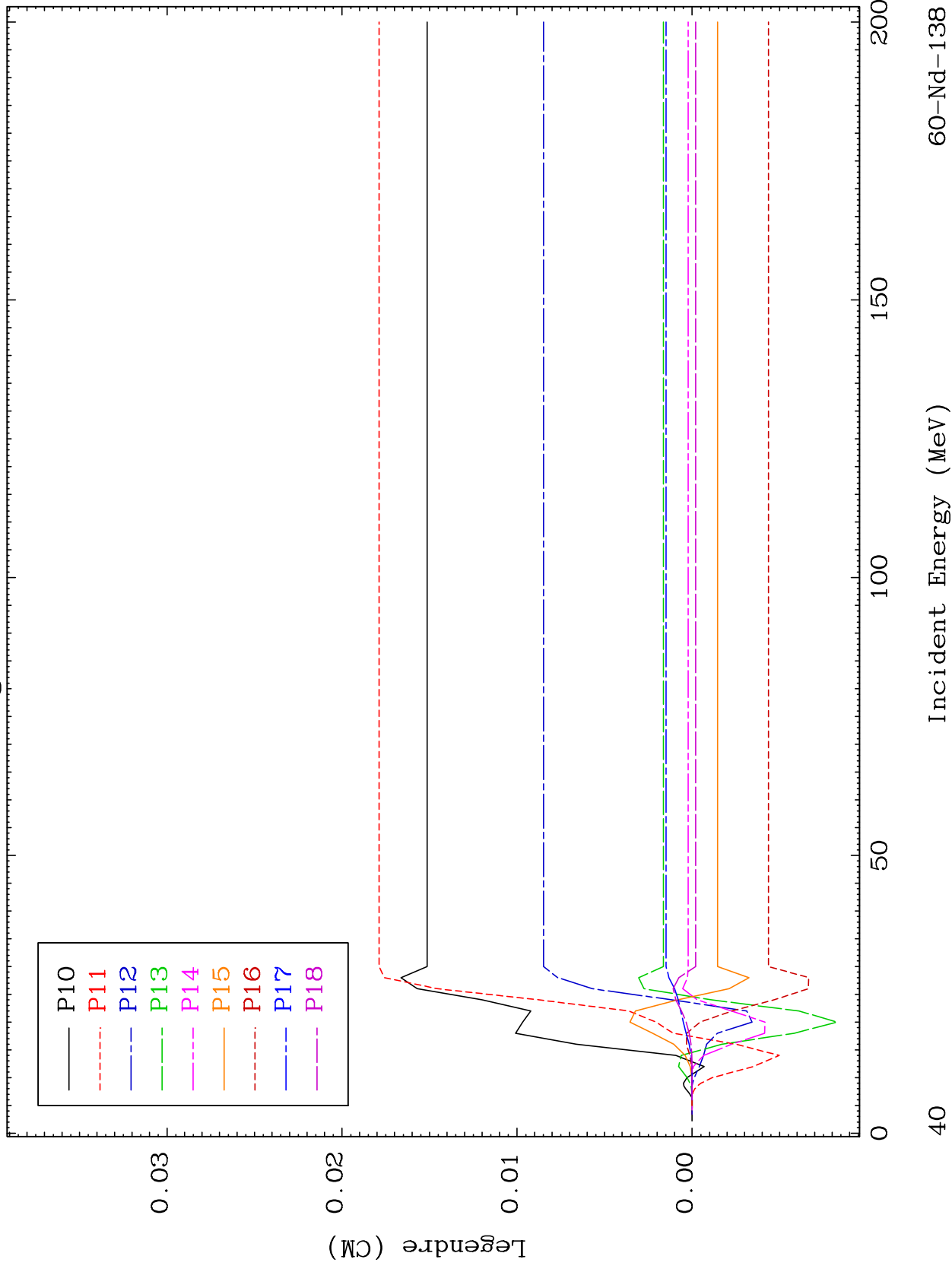
39



MAT 6013

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

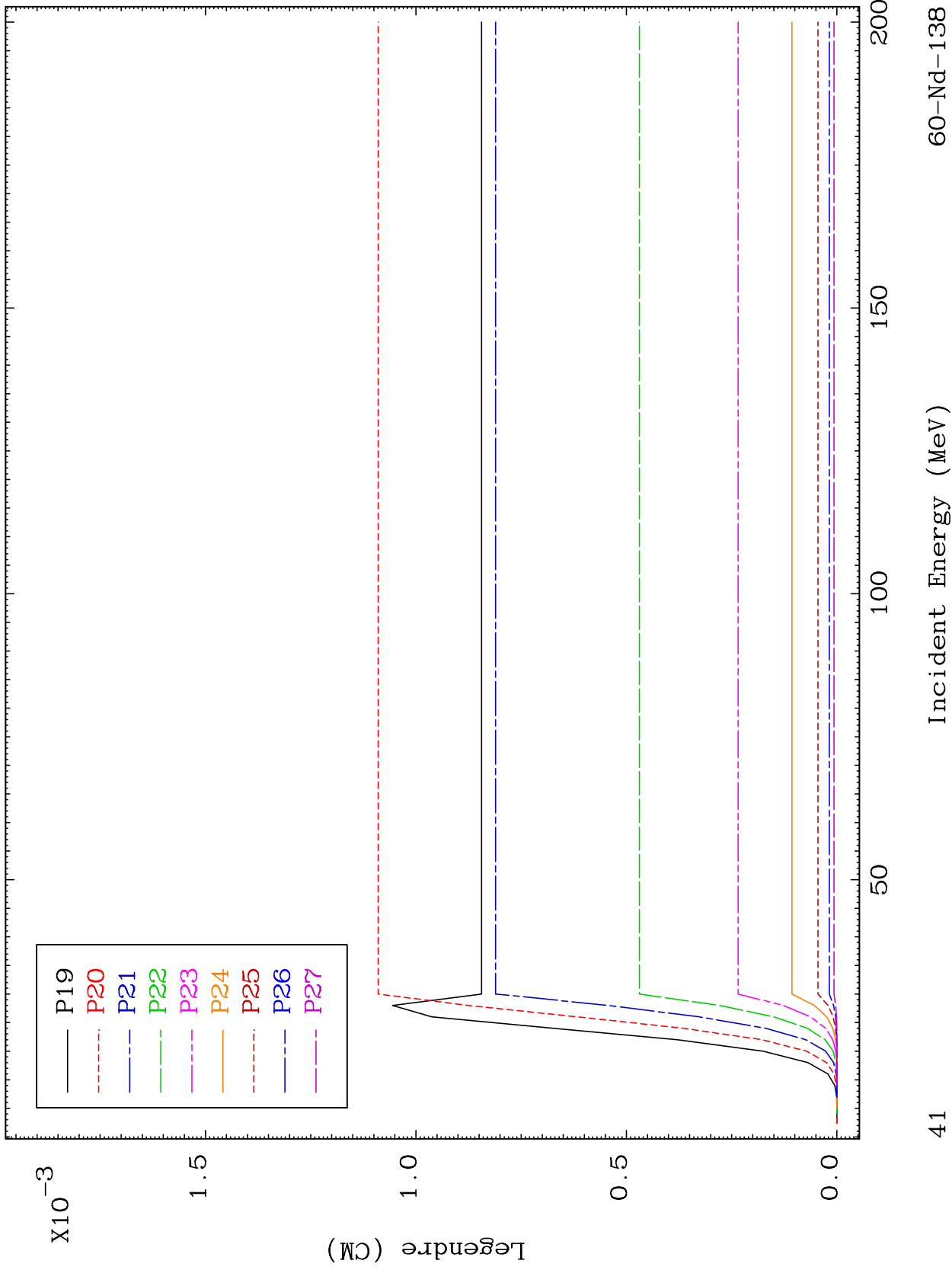
60-Nd-138



60-Nd-138

Incident Energy (MeV)

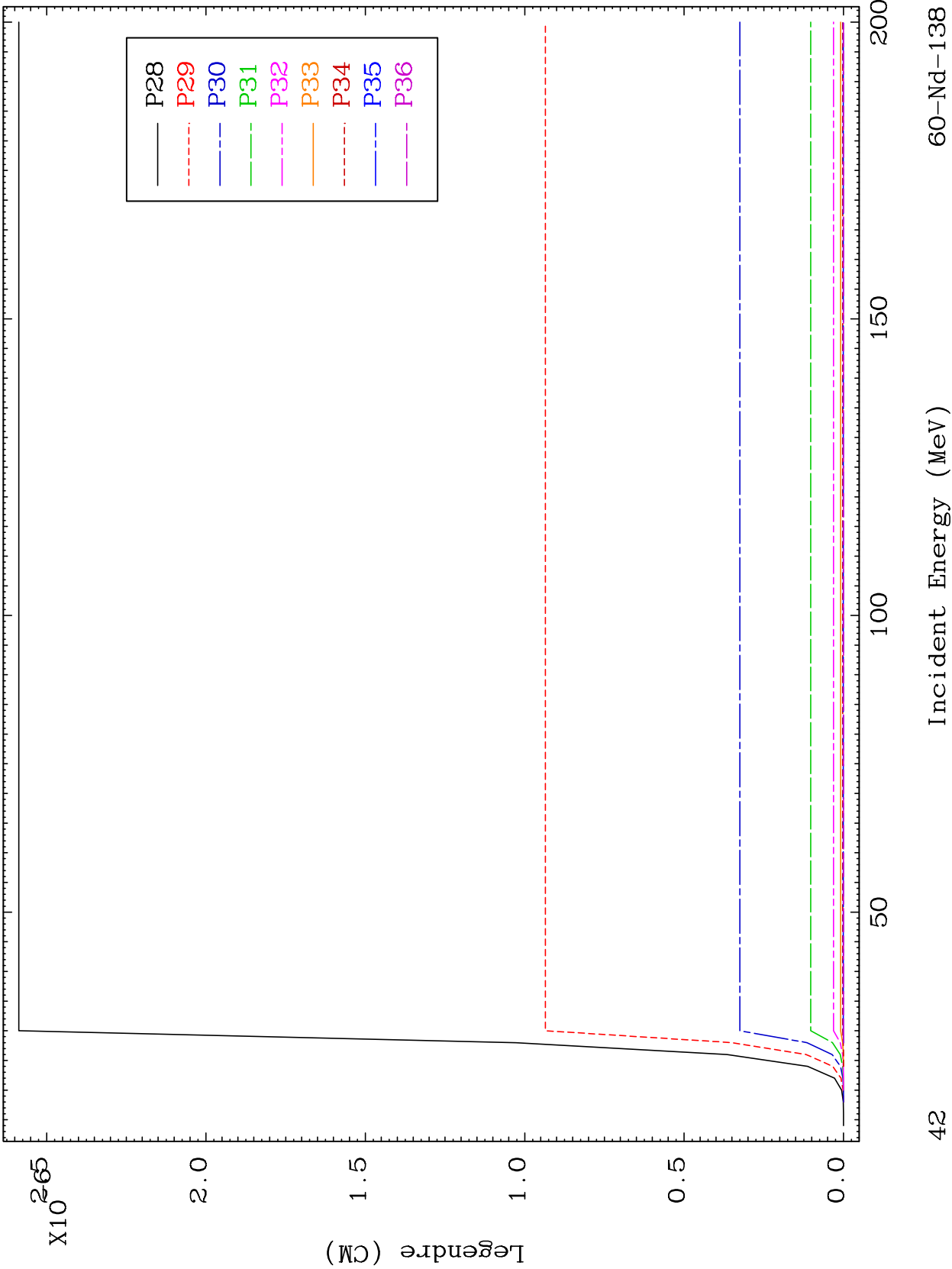
40



MAT 6013

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

60-Nd-138



42

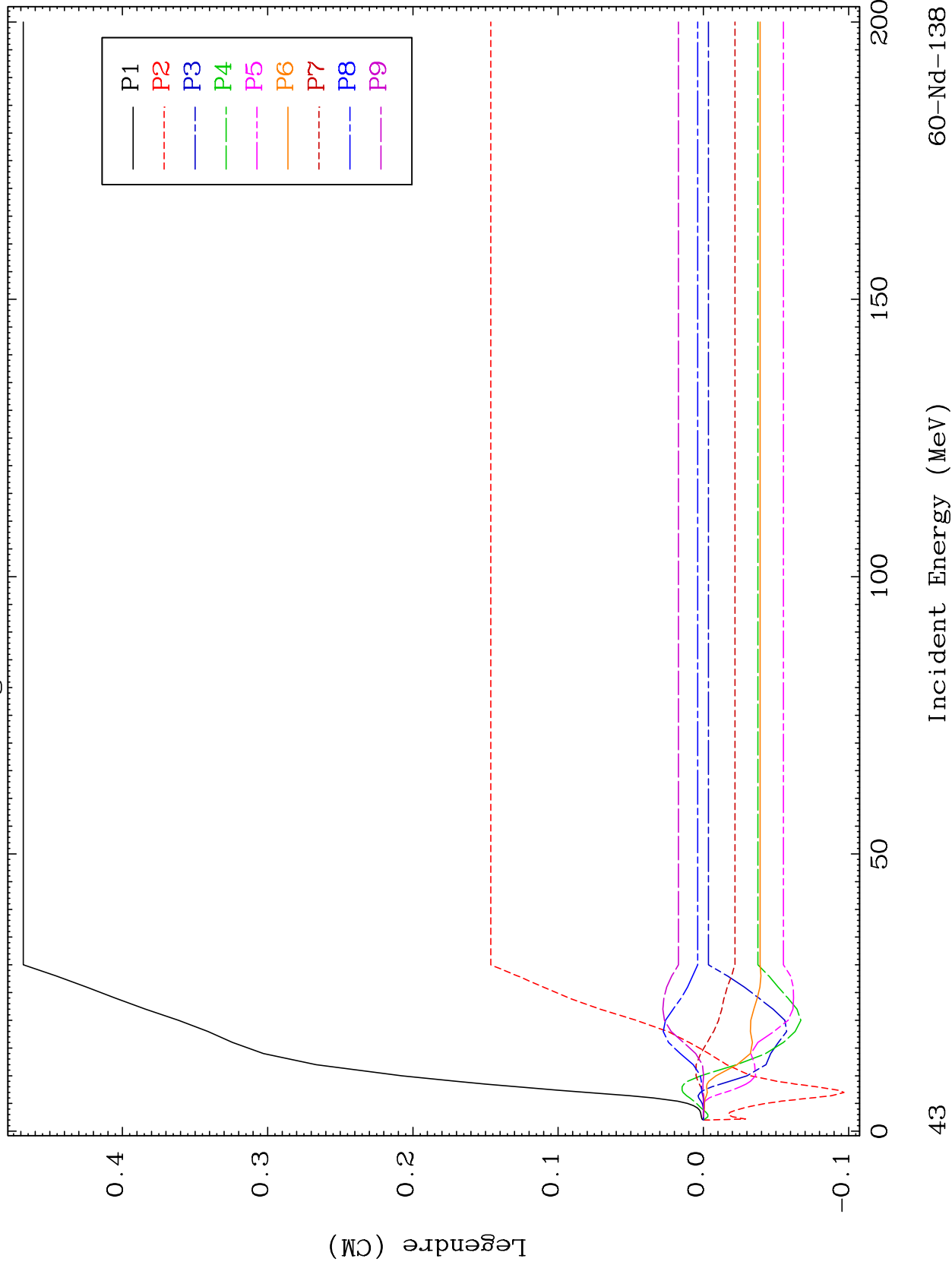
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



60-Nd-138

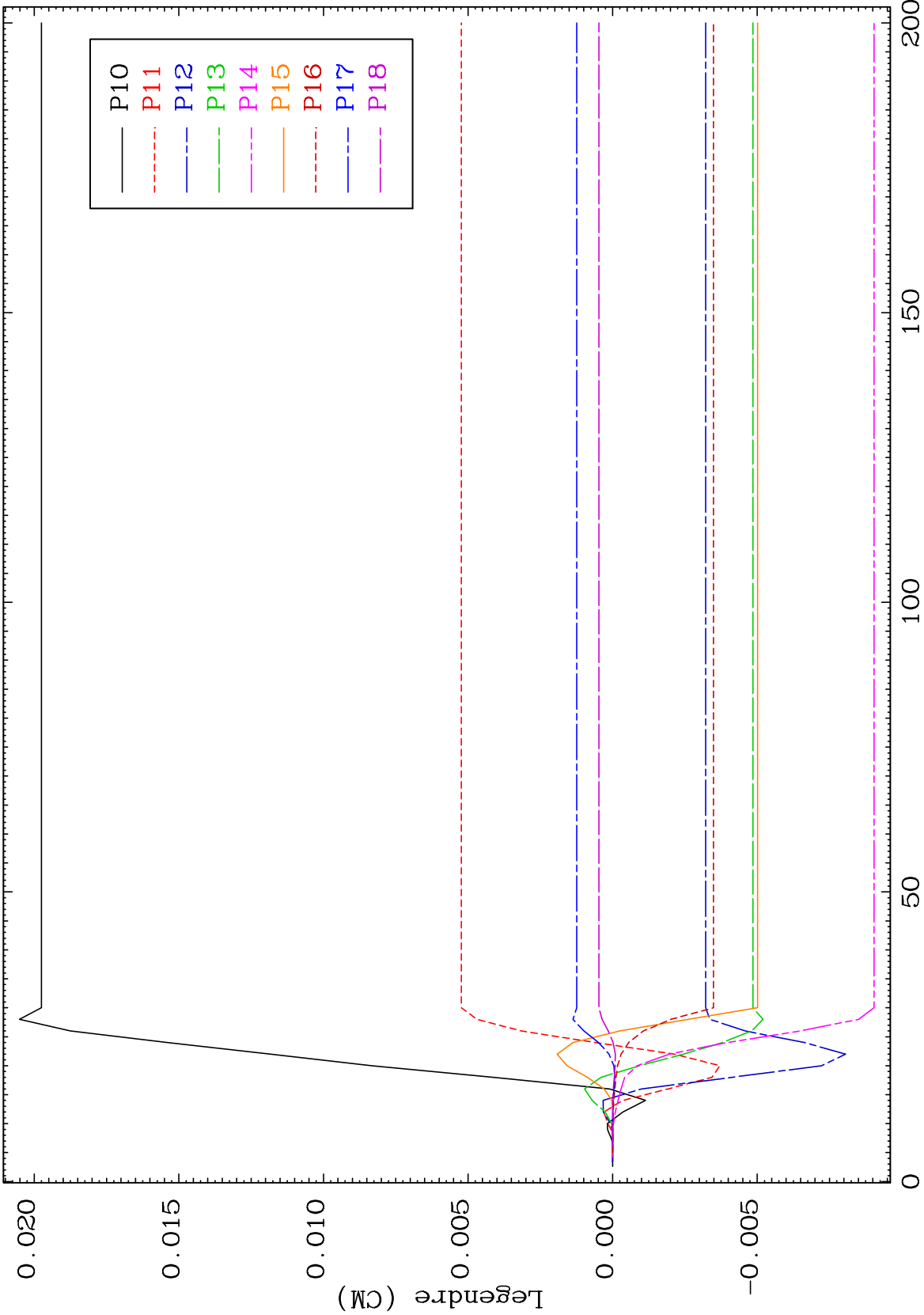
Incident Energy (MeV)

43

MAT 6013

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

60-Nd-138



44

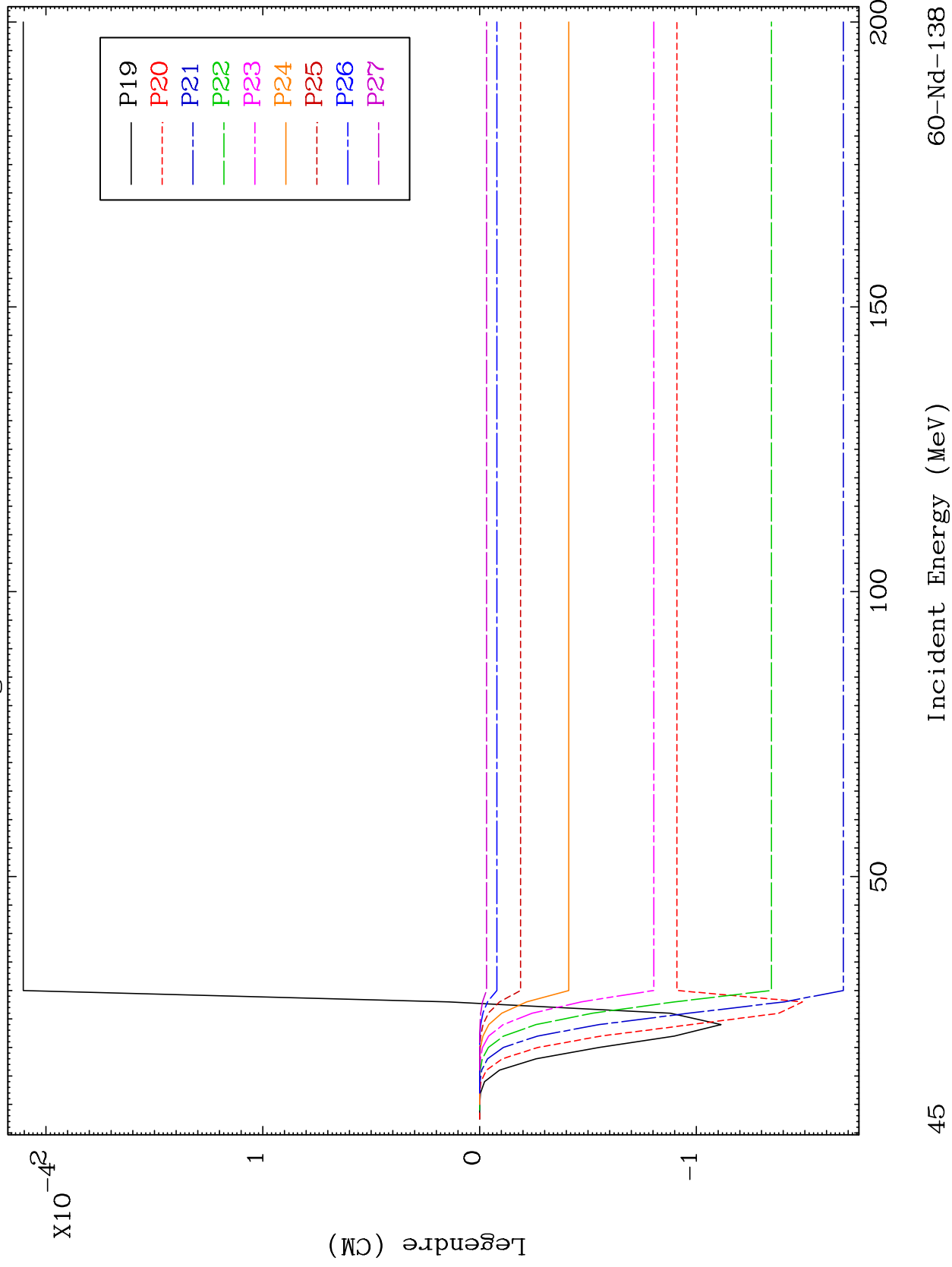
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



45

Incident Energy (MeV)

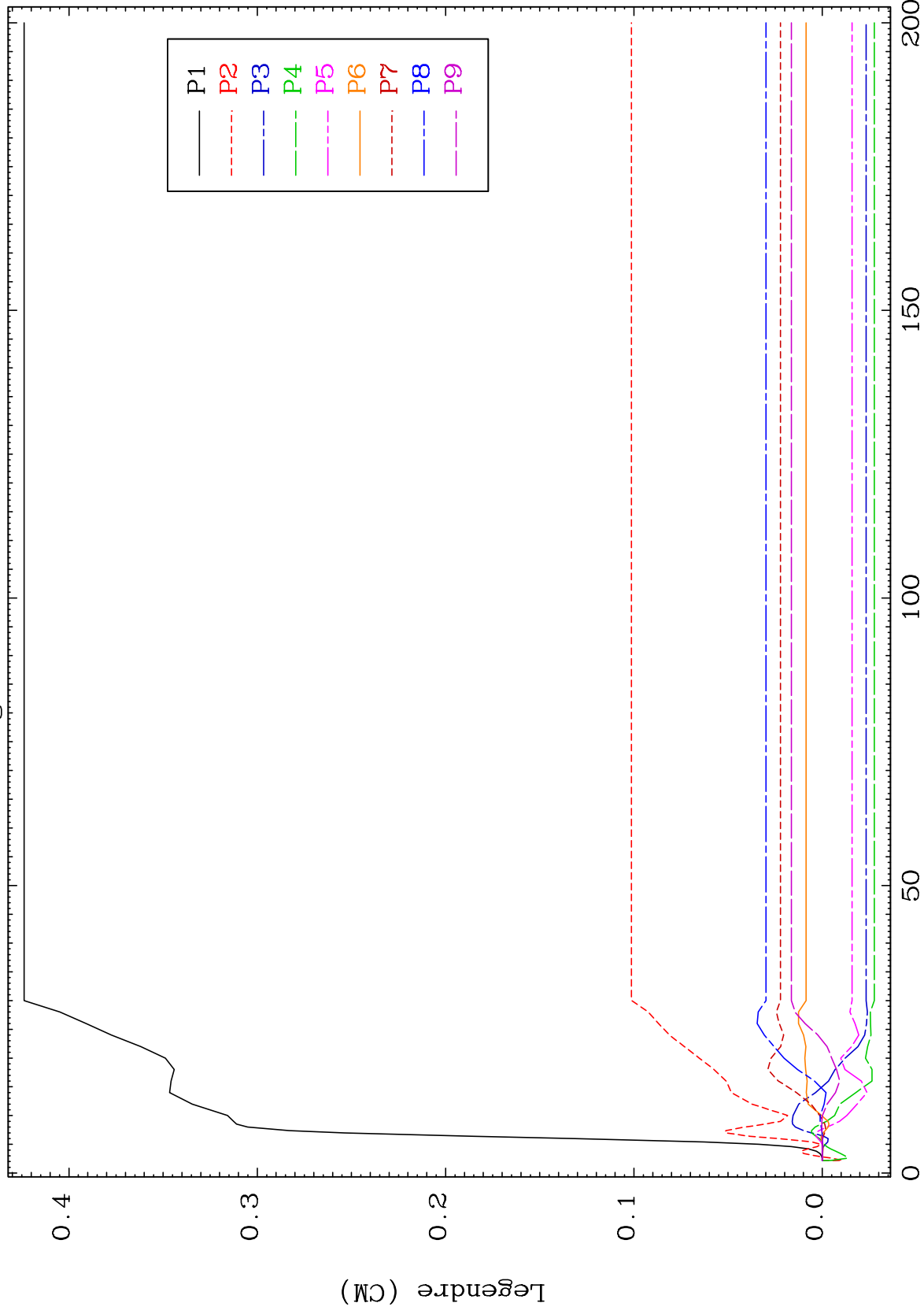
60-Nd-138



MAT 6013

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

60-Nd-138

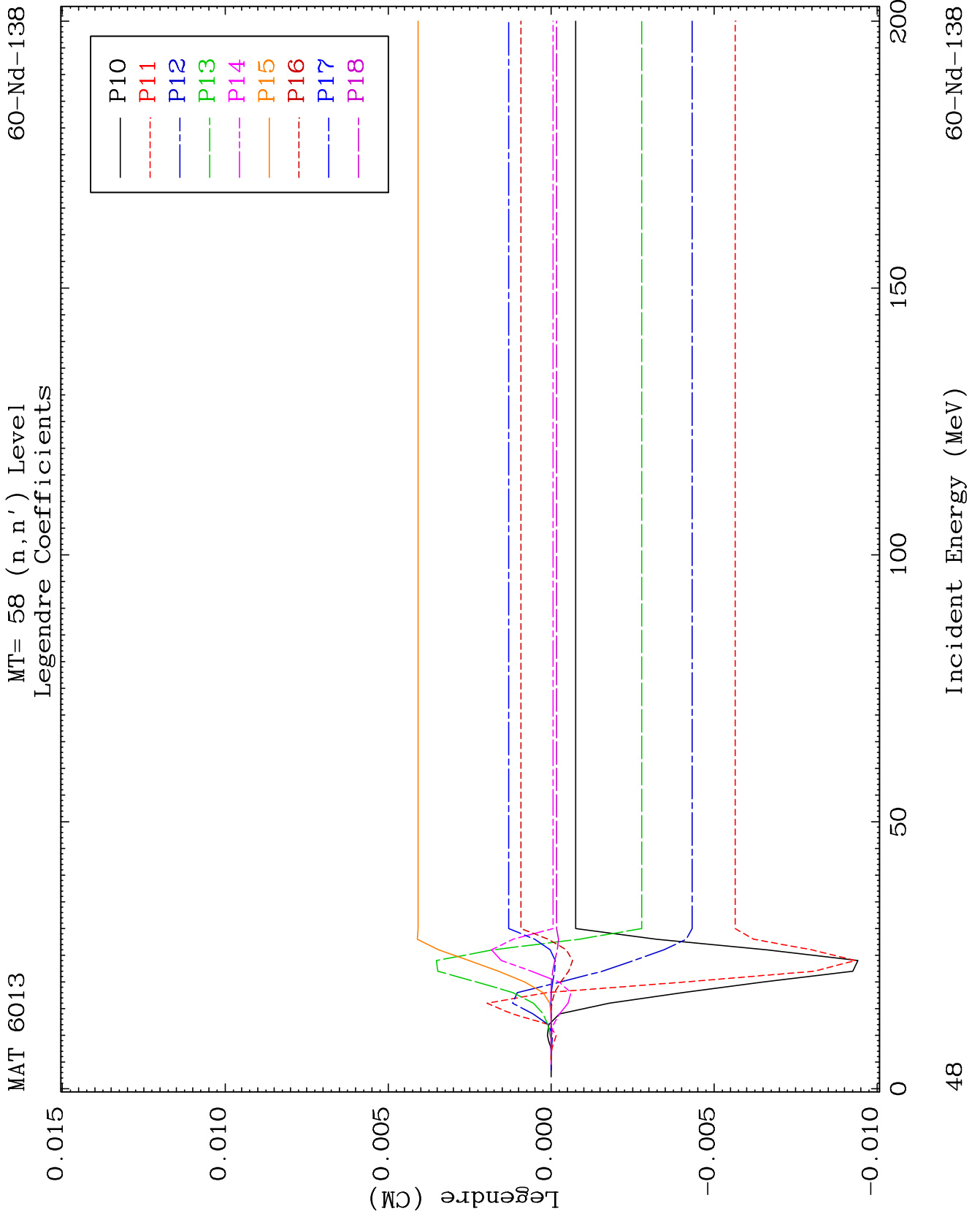


47

Incident Energy (MeV)

60-Nd-138

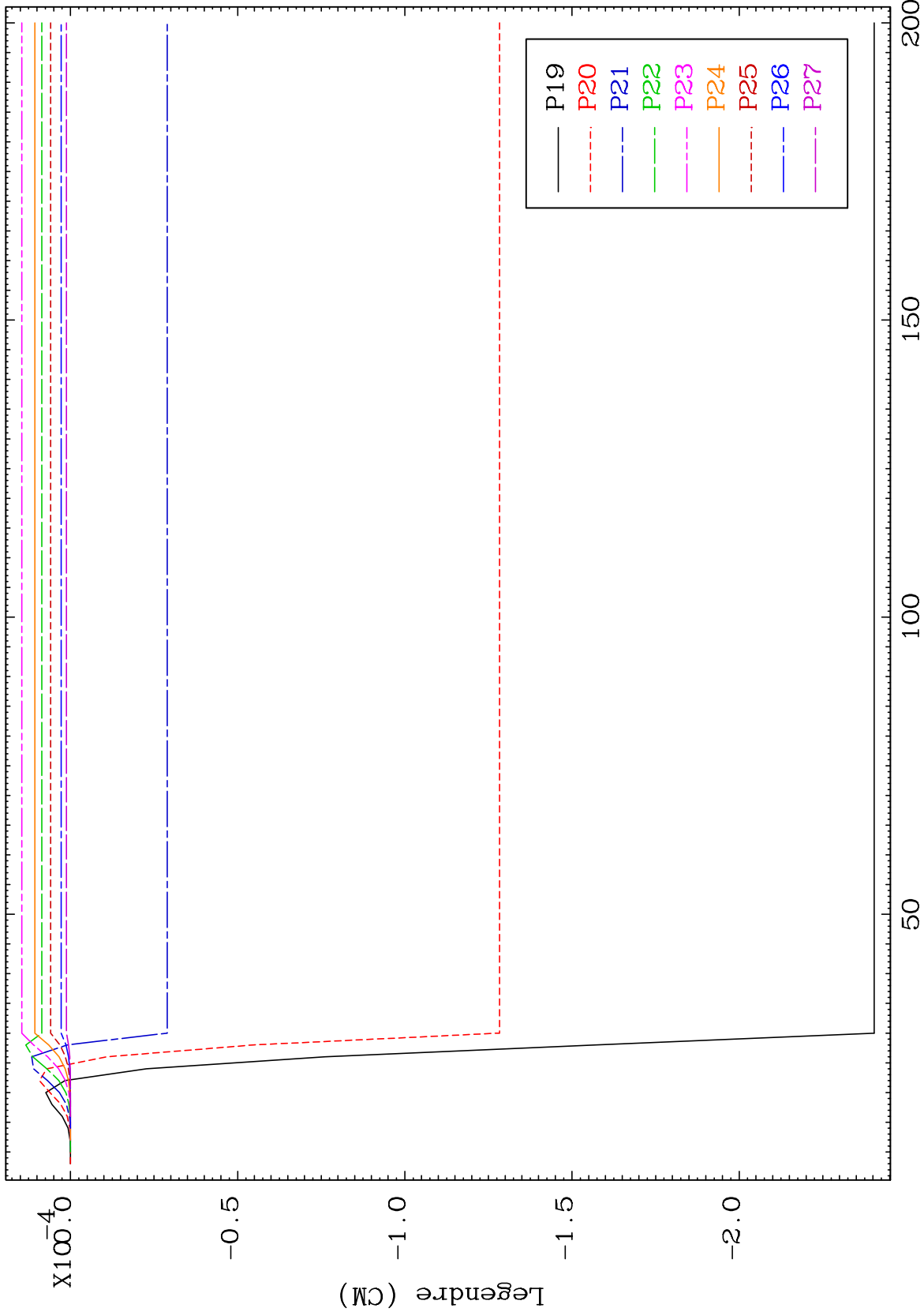




MAT 6013

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

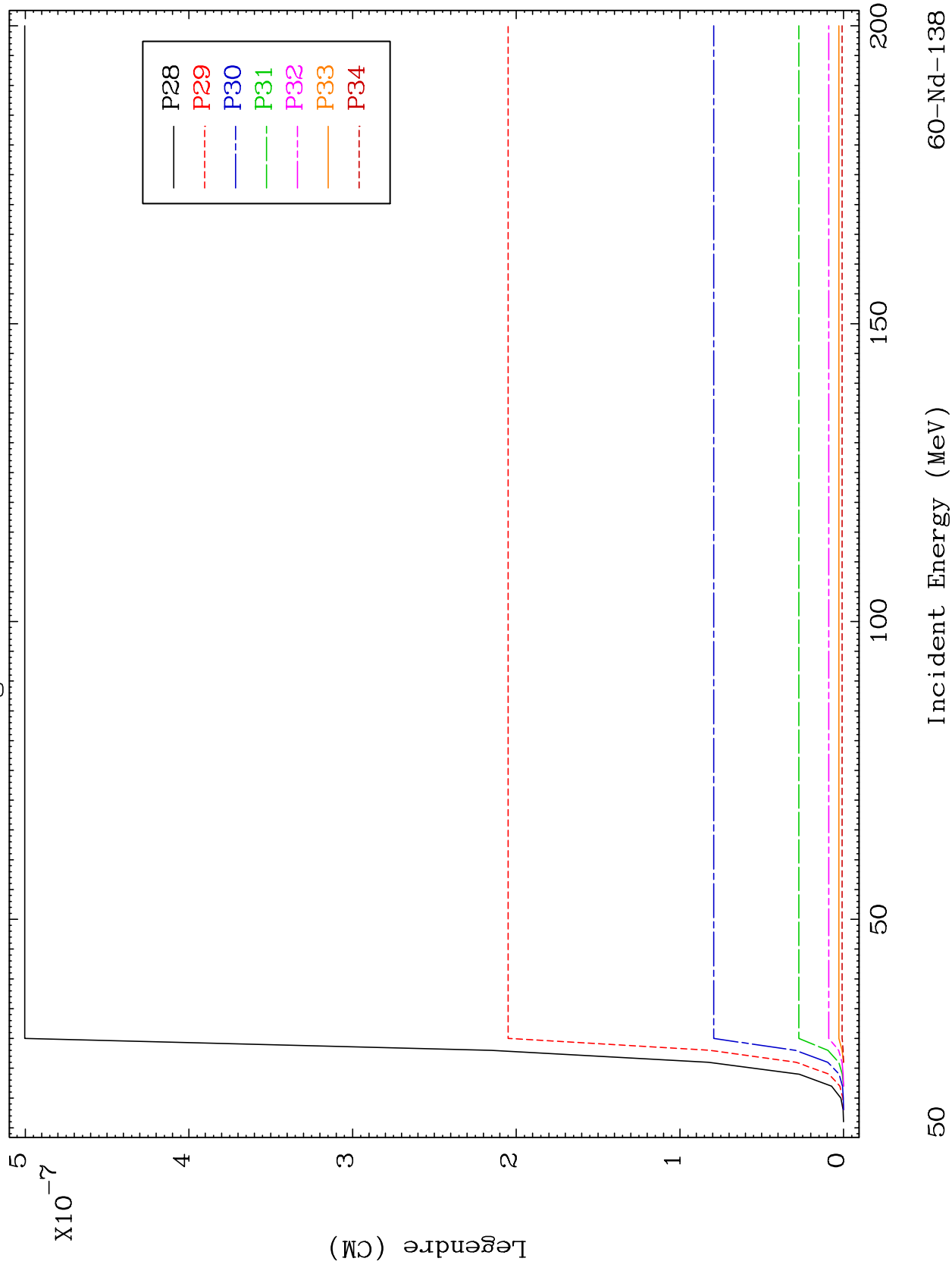
60-Nd-138



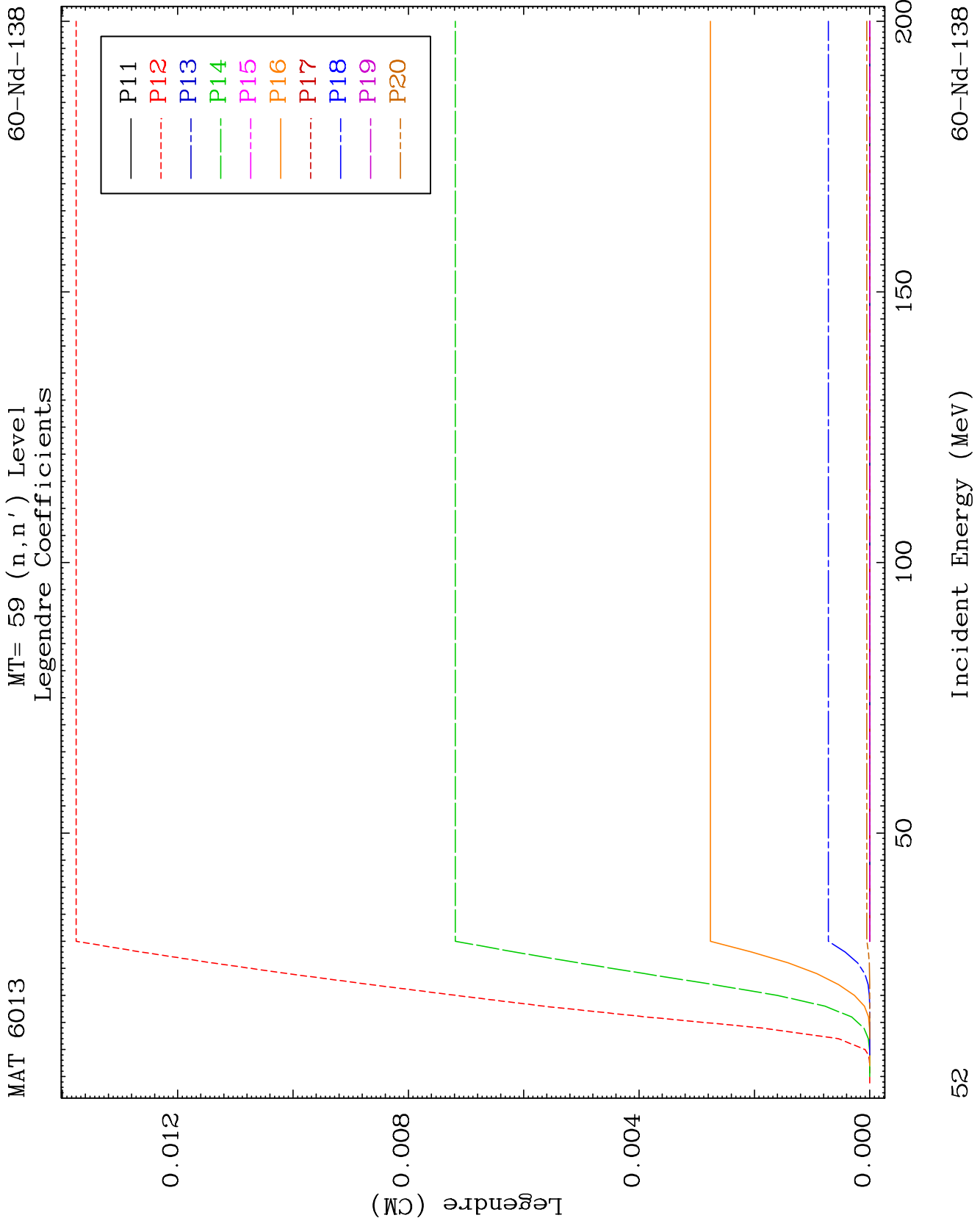
MAT 6013

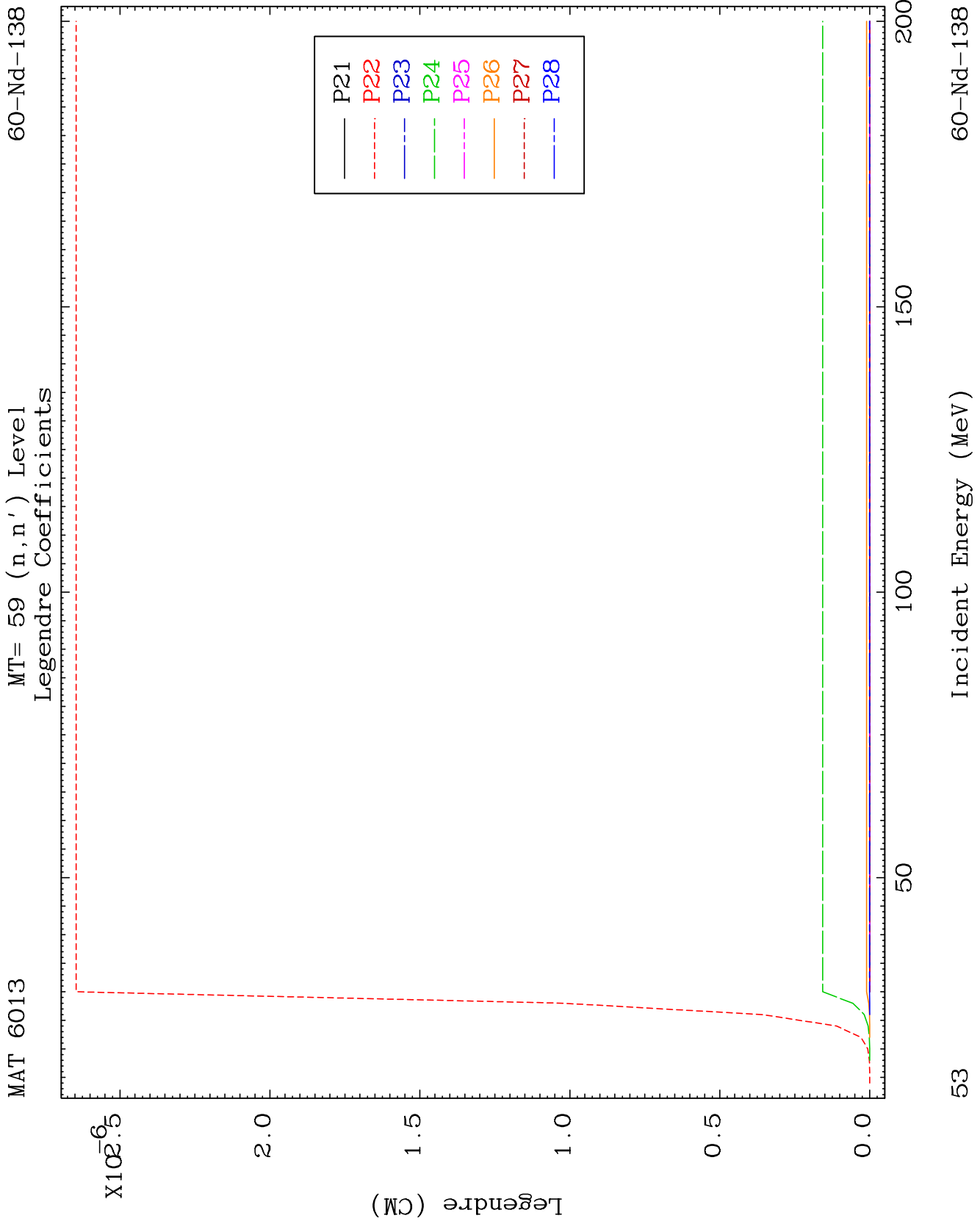
MT= 58 (n,n') Level  
Legendre Coefficients

60-Nd-138





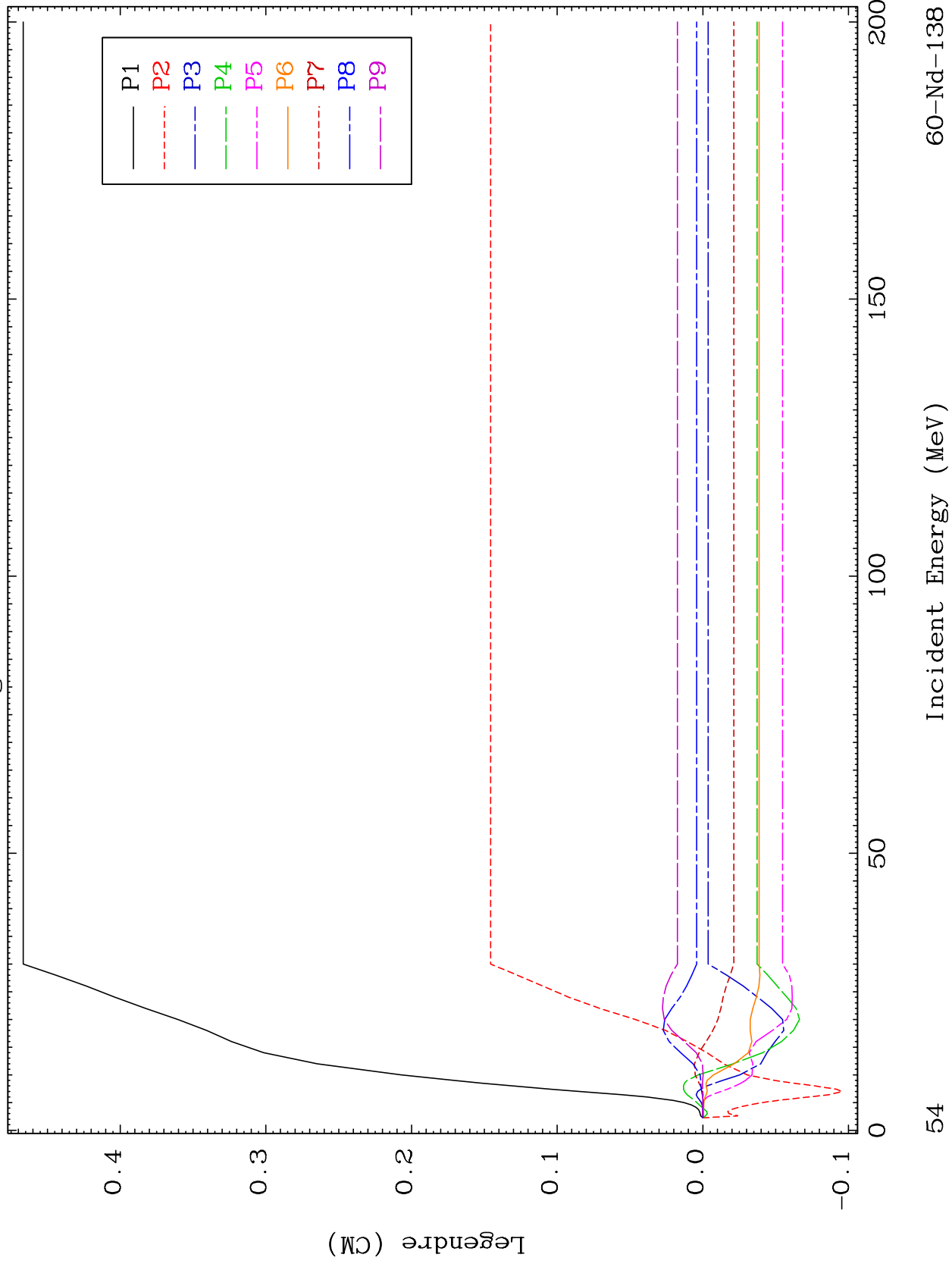




MAT 6013

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

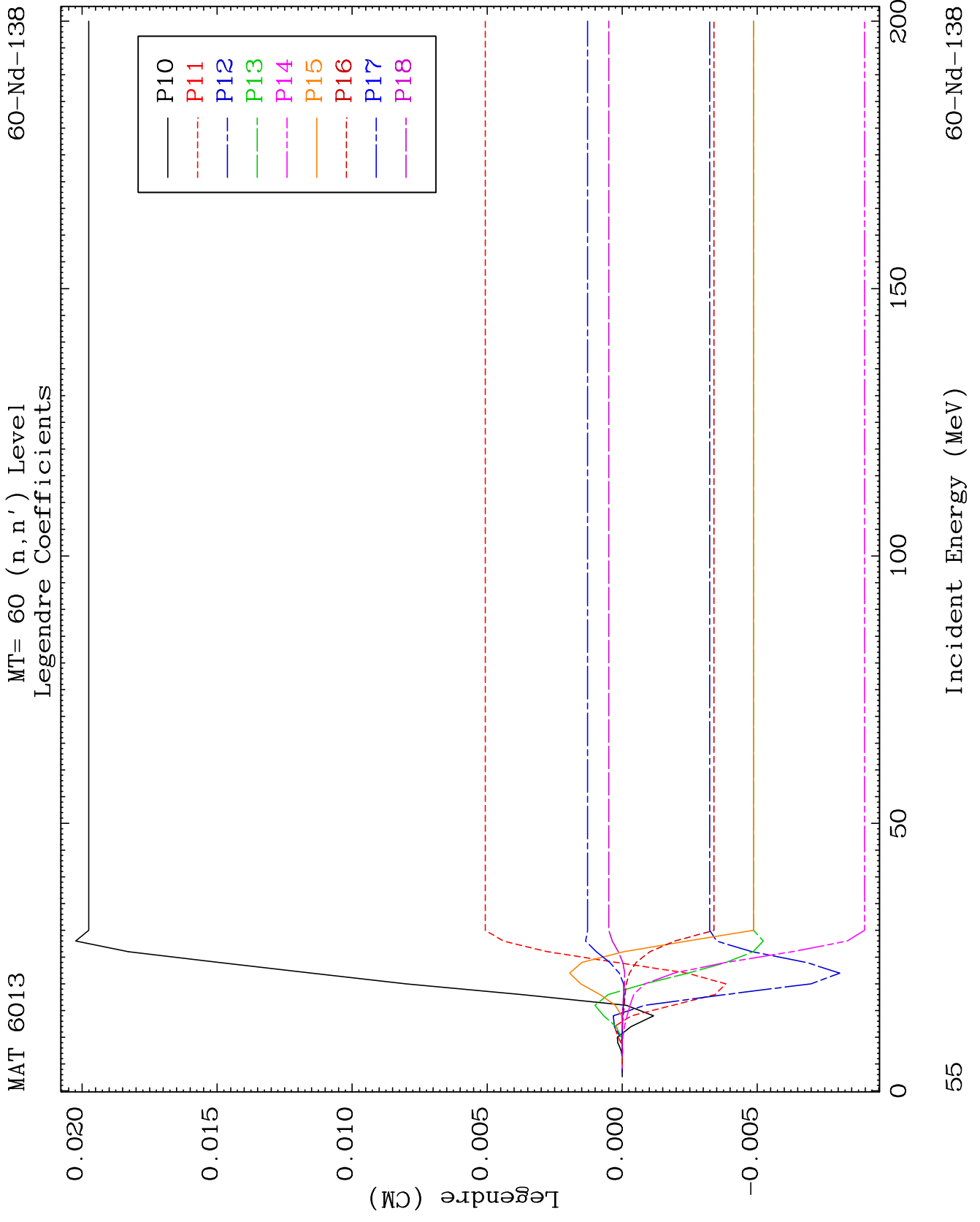
60-Nd-138



60-Nd-138

Incident Energy (MeV)

54

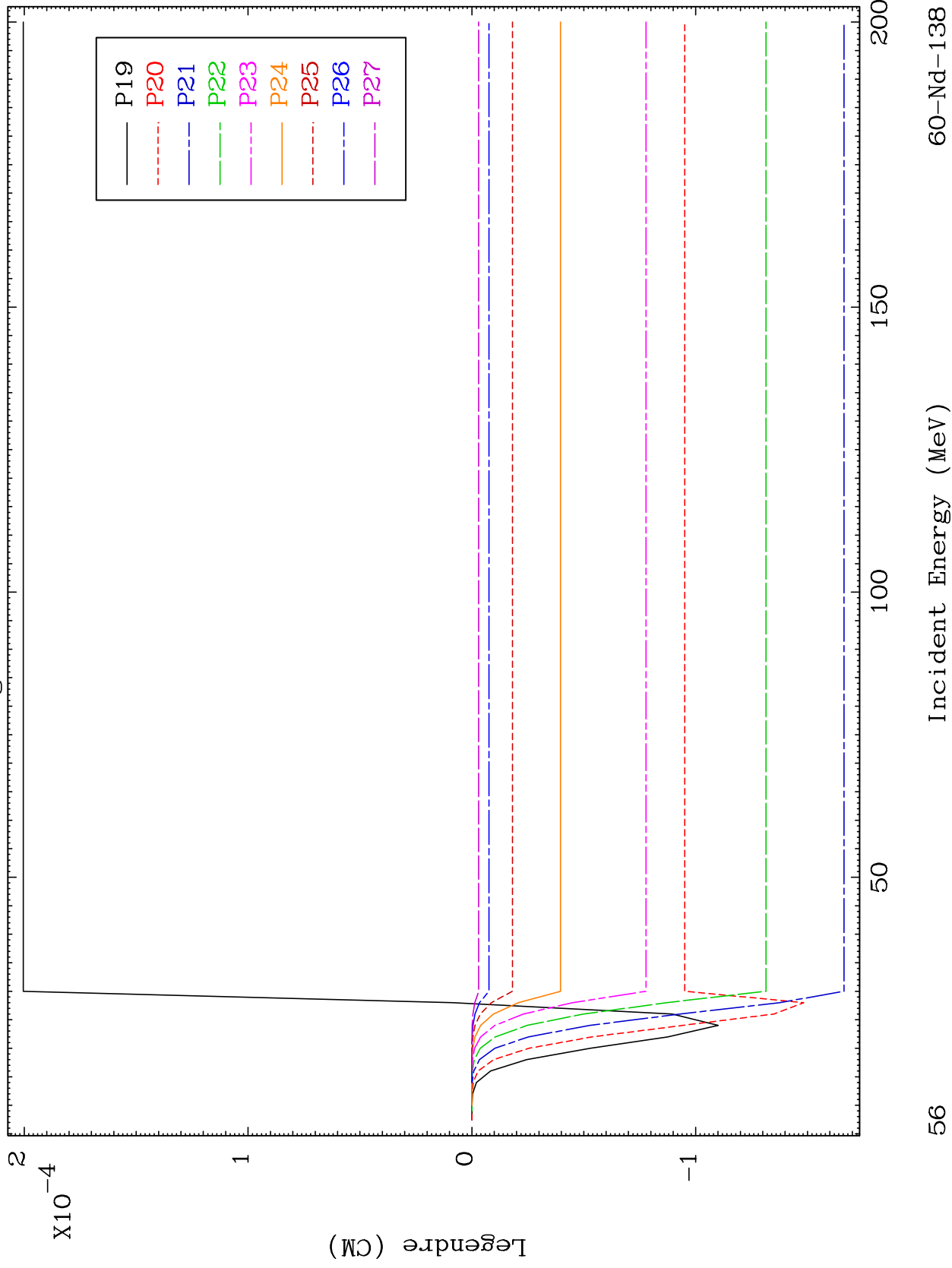




MAT 6013

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

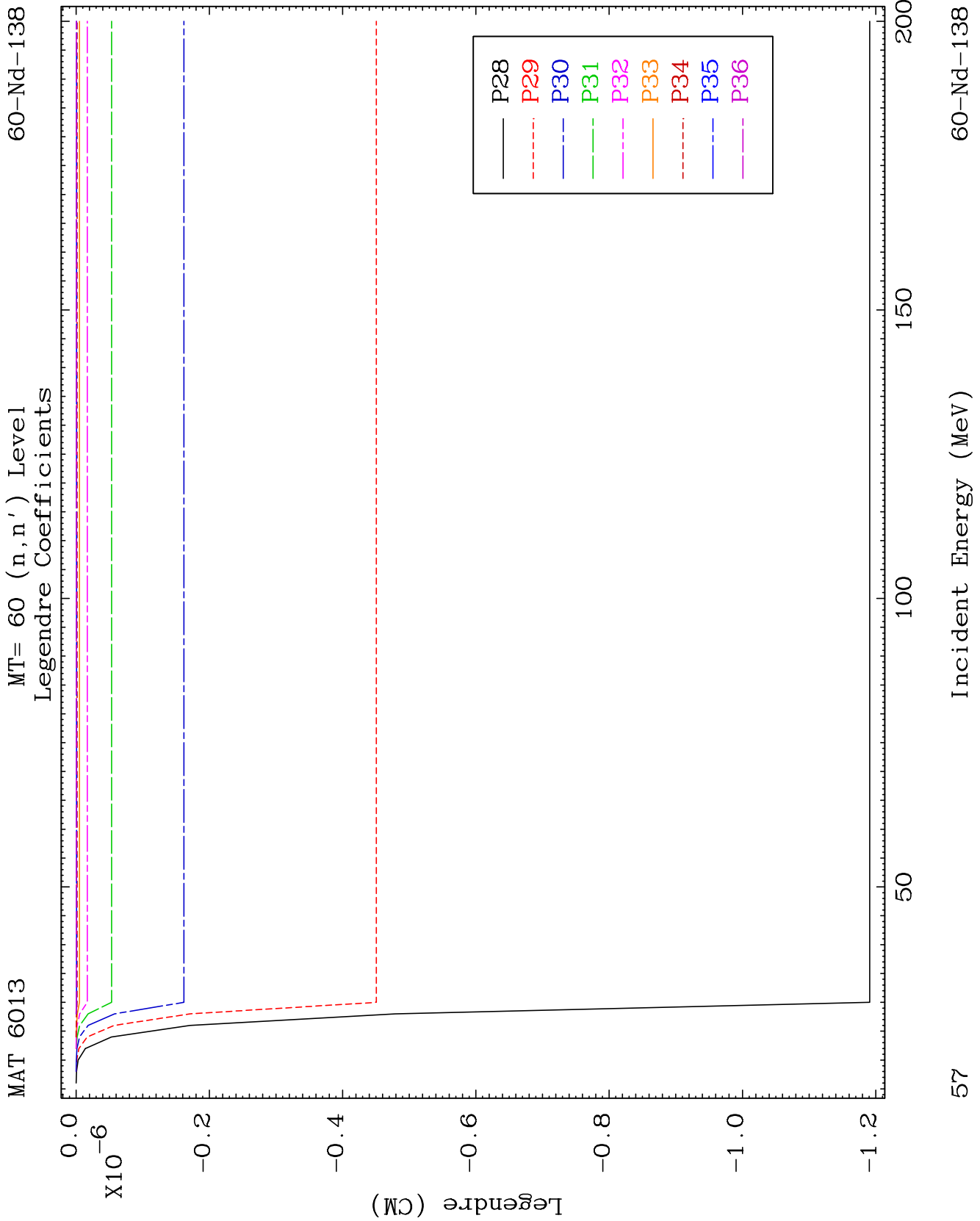
60-Nd-138

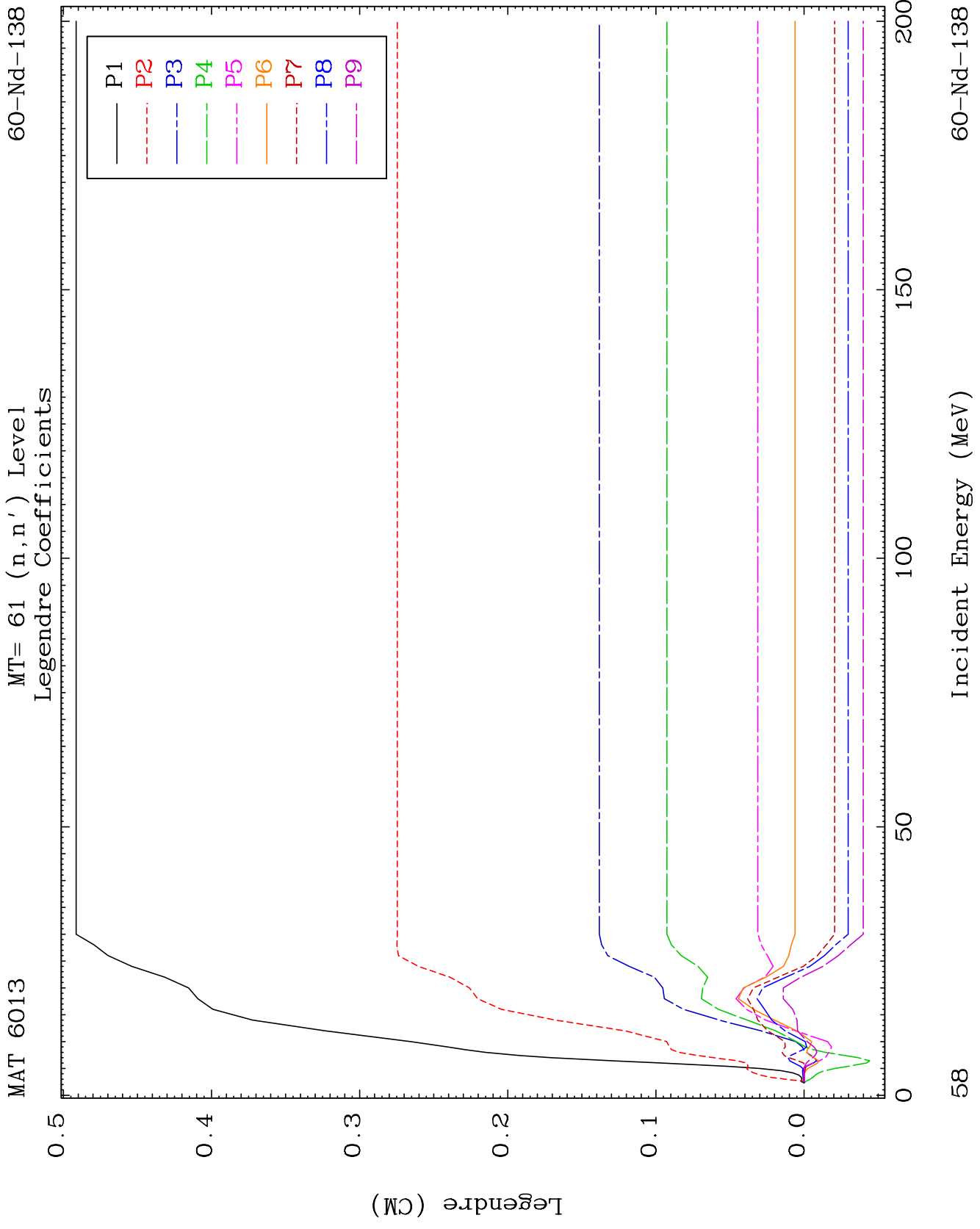


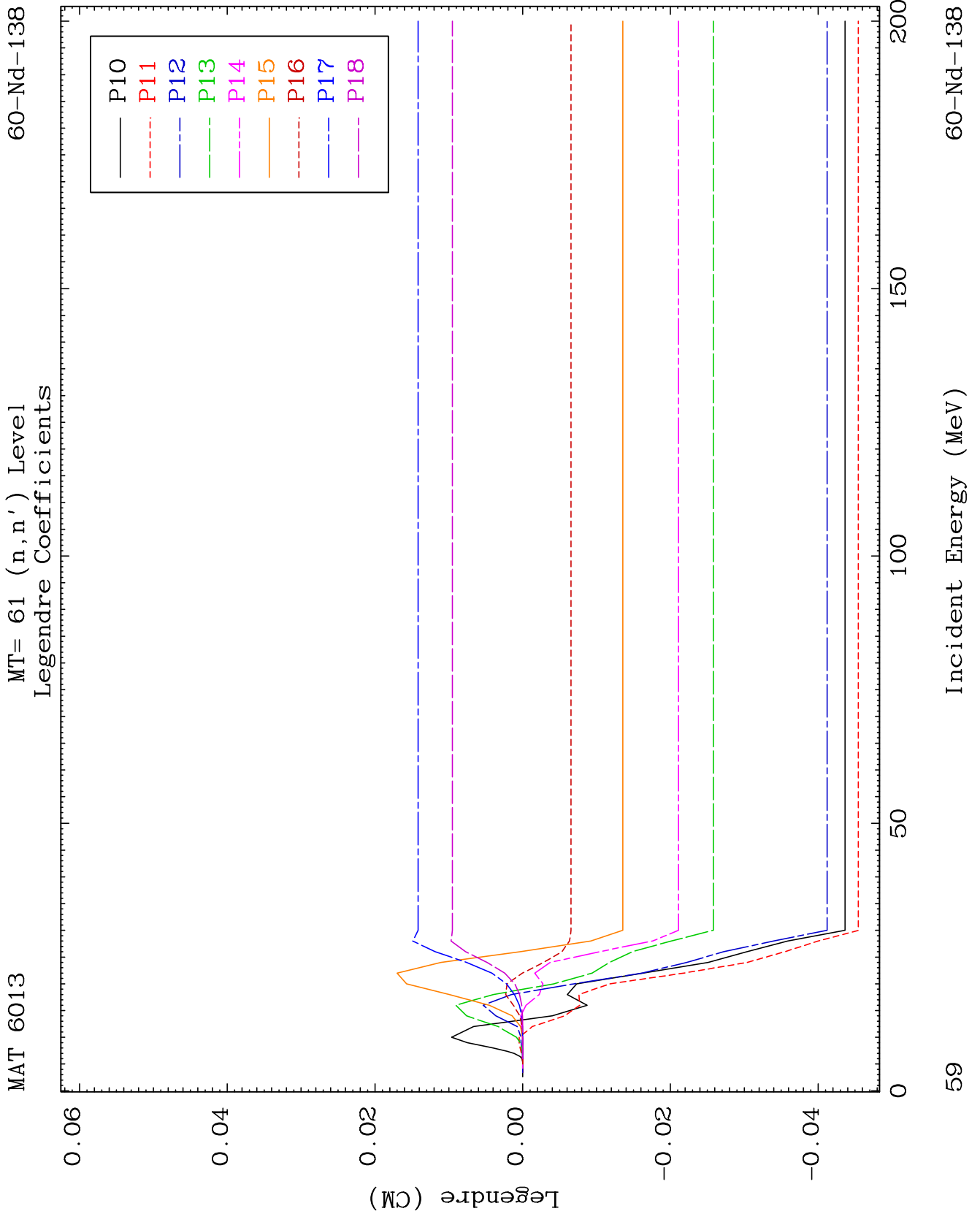
56

Incident Energy (MeV)

60-Nd-138



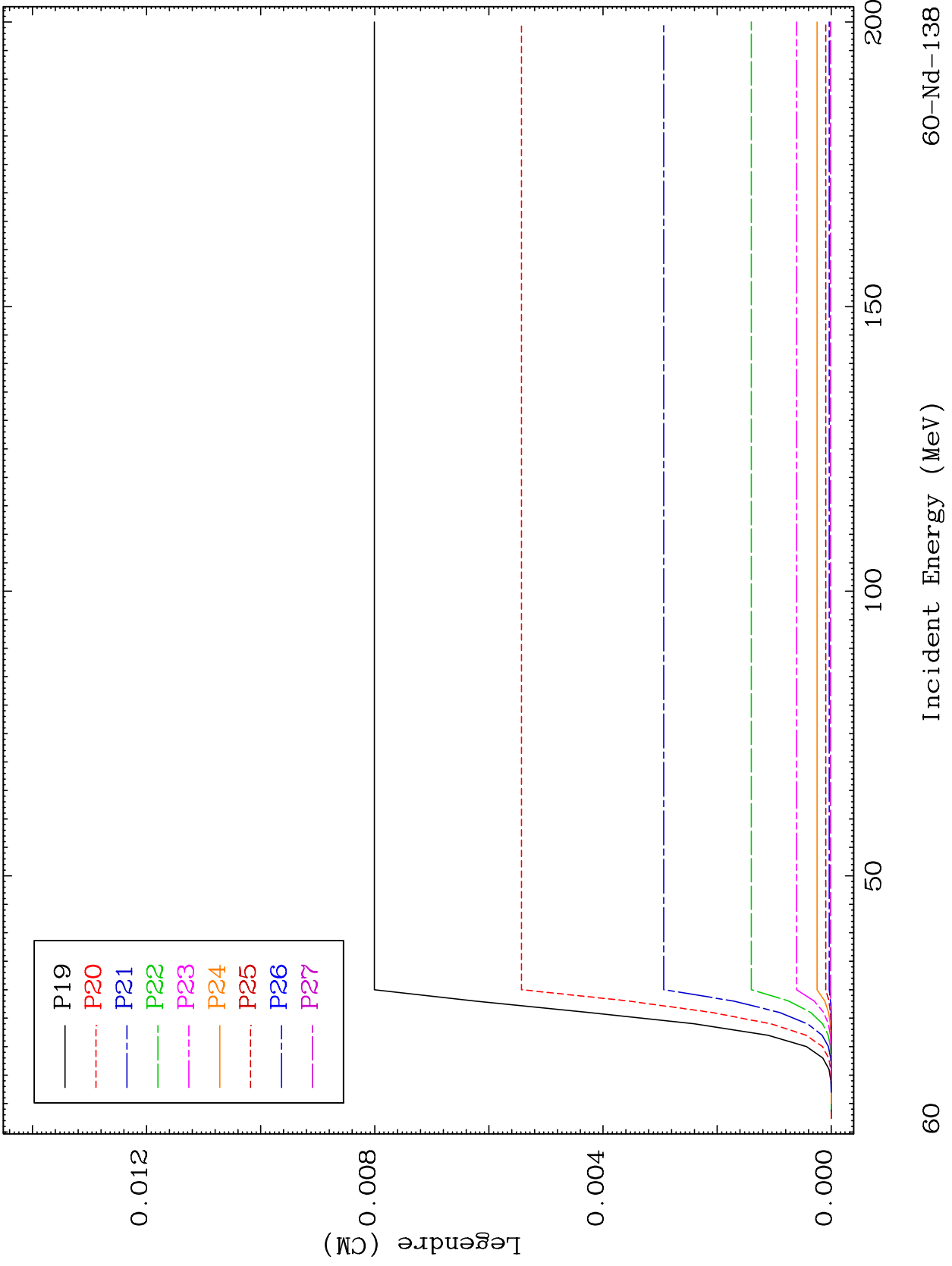




MAT 6013

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

60-Nd-138



60

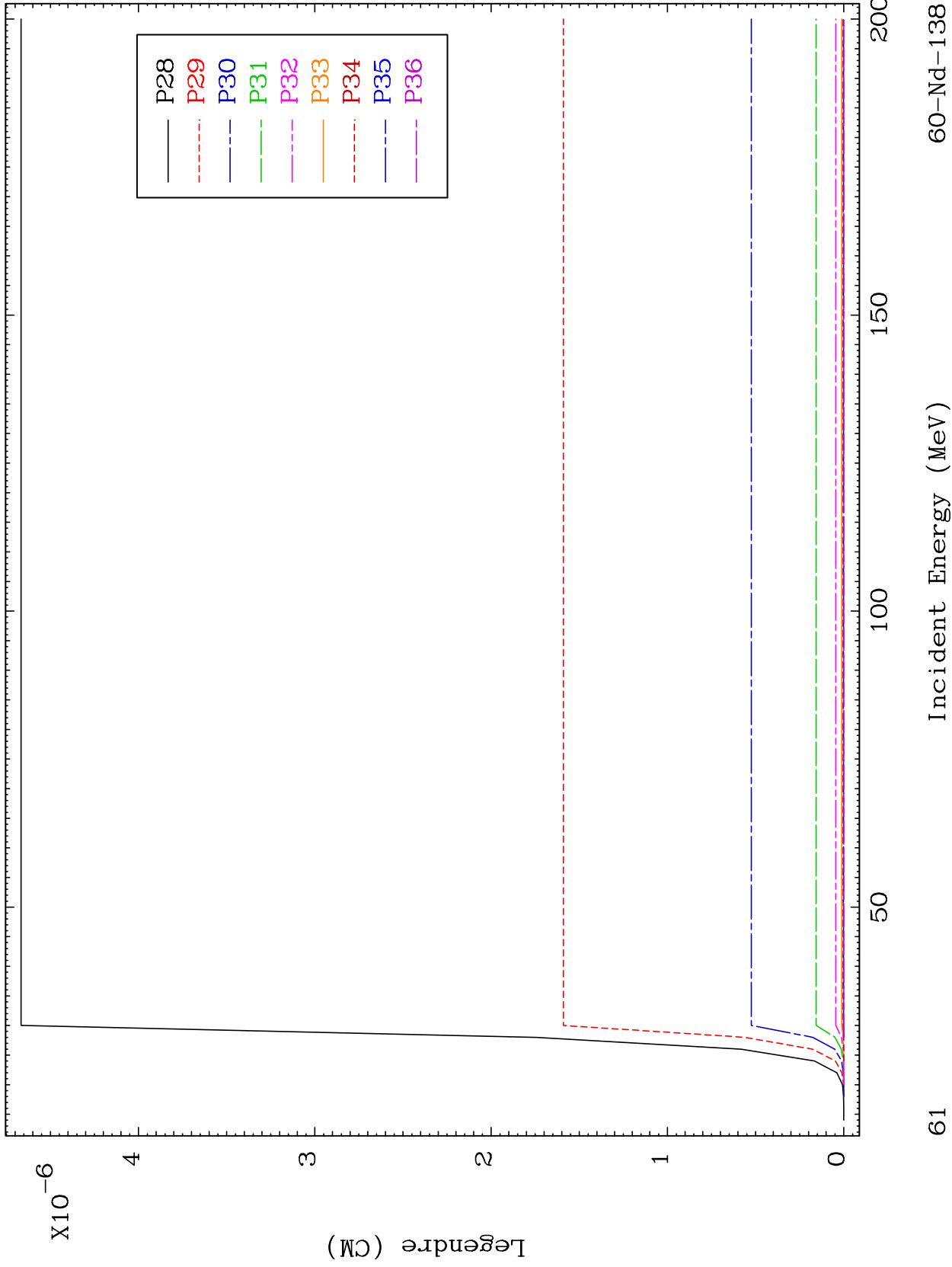
Incident Energy (MeV)

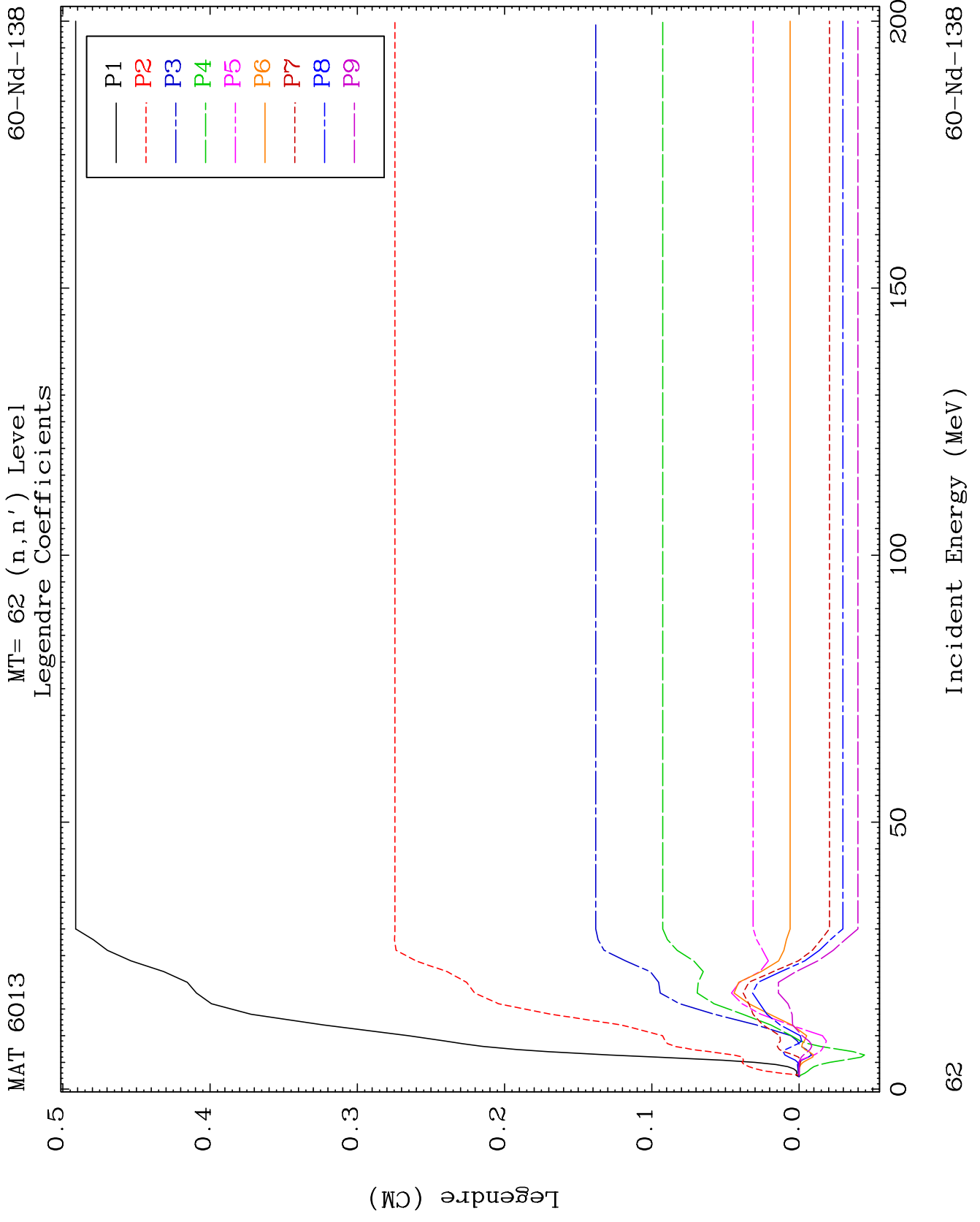
60-Nd-138

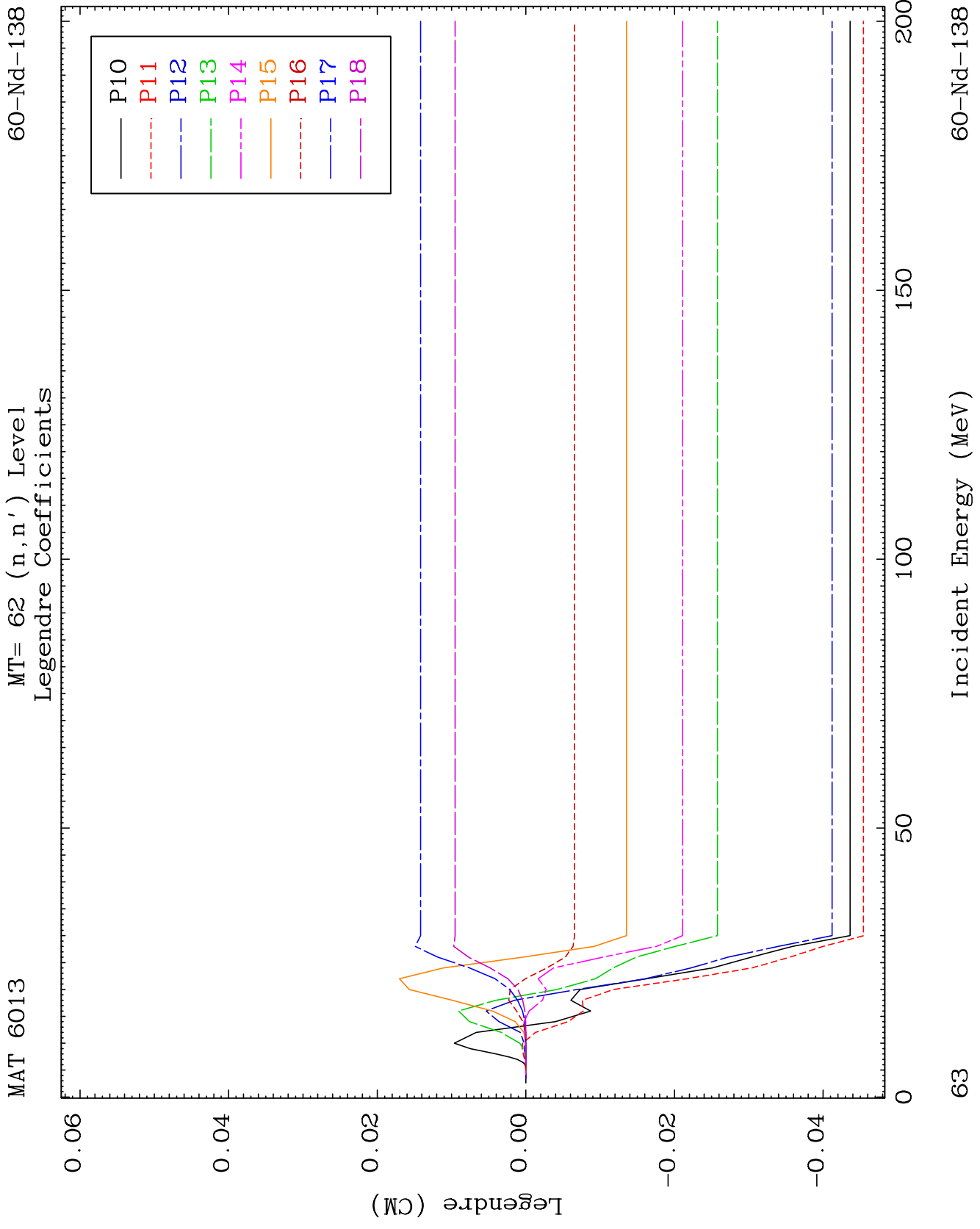
MAT 6013

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

60-Nd-138





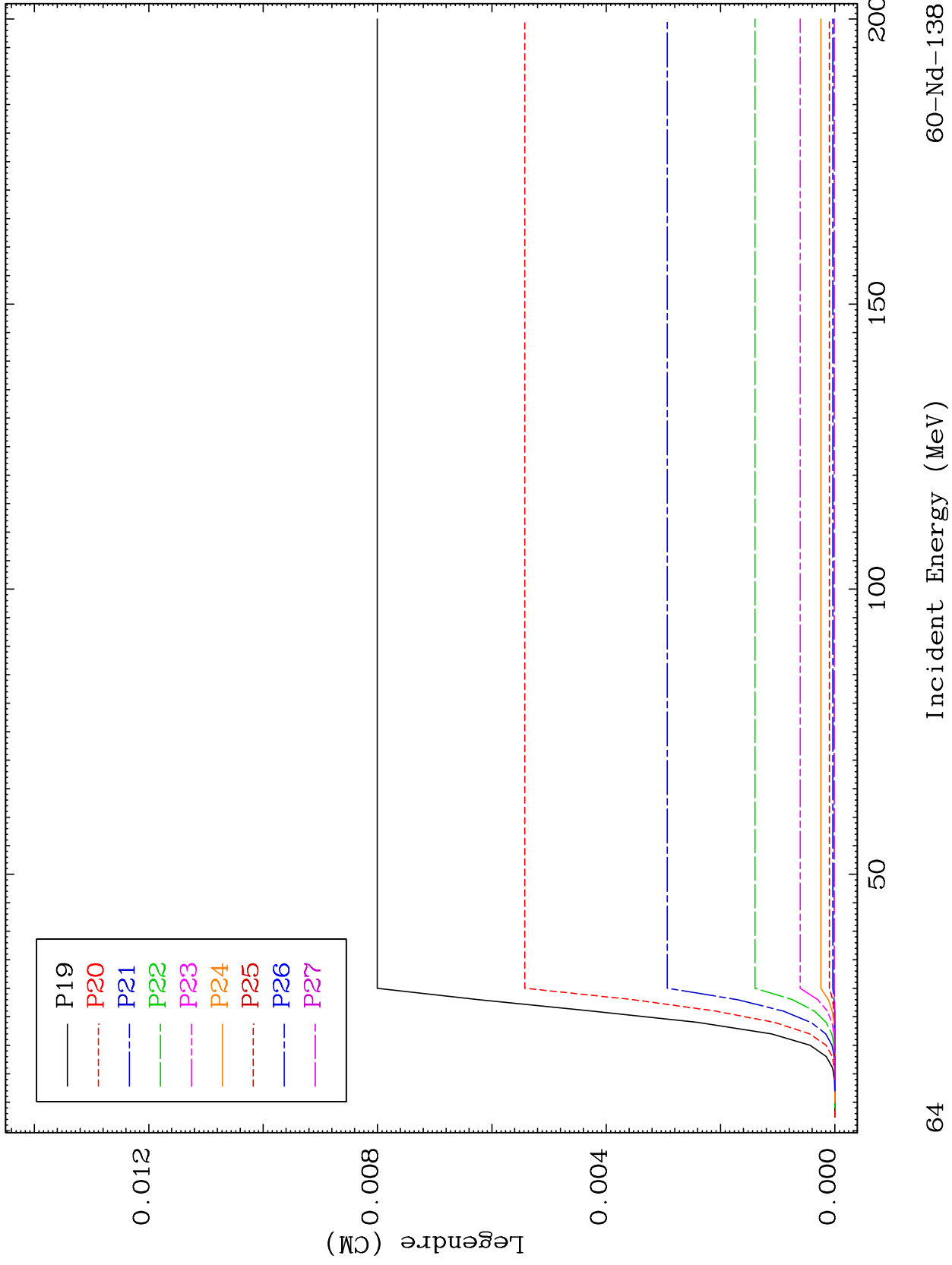




MAT 6013

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

60-Nd-138



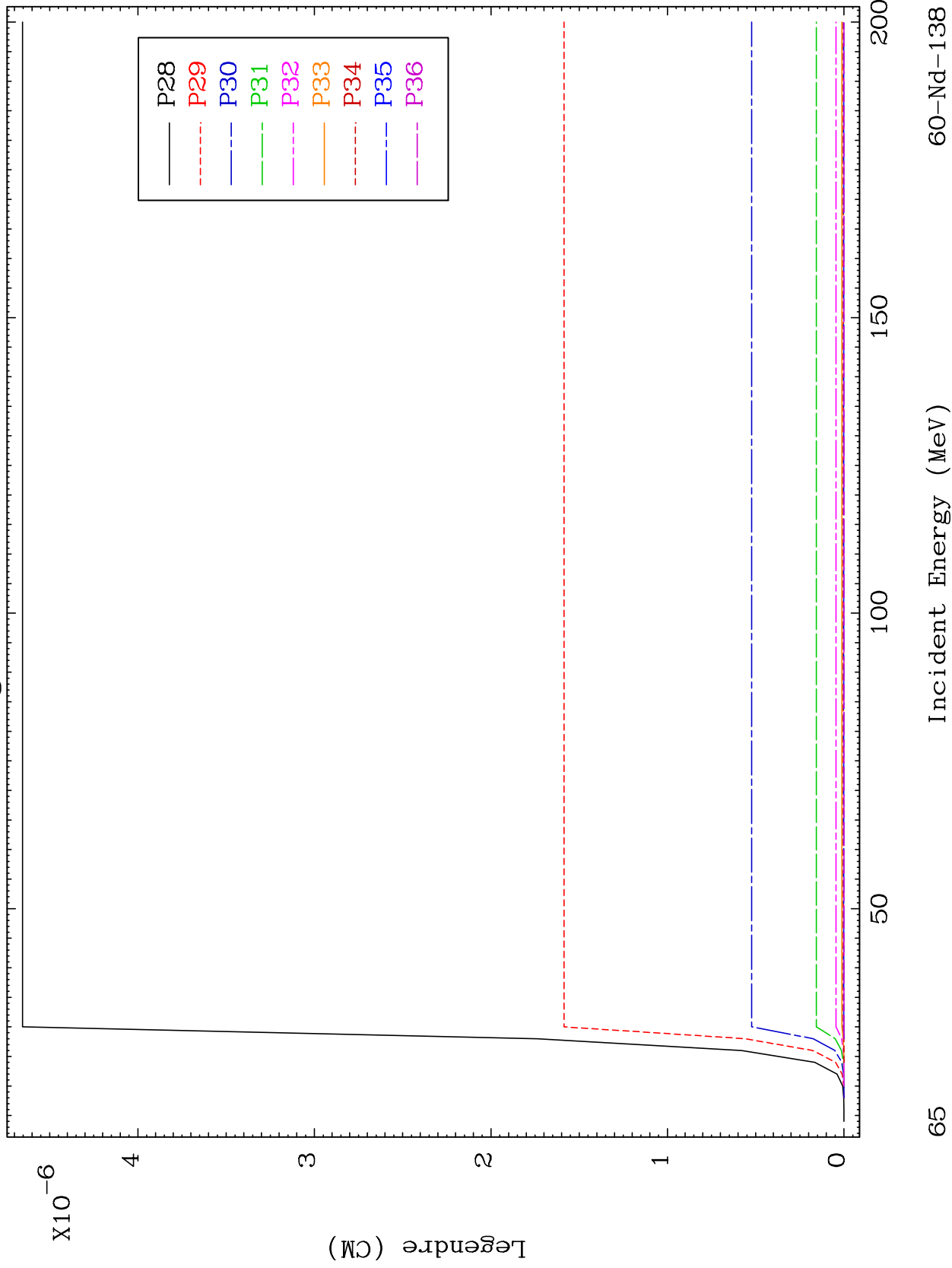
64

60-Nd-138

MAT 6013

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

60-Nd-138



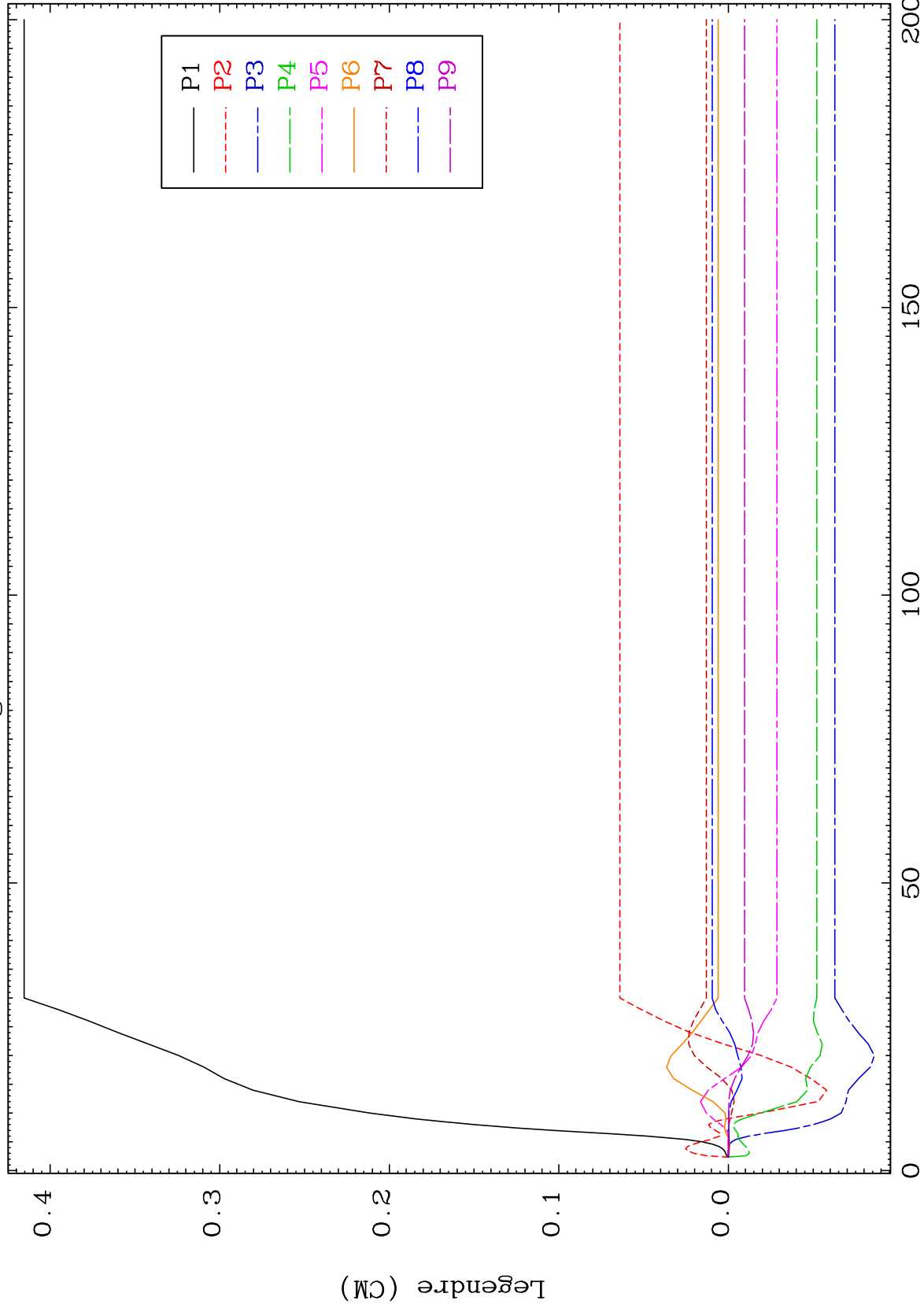
65

60-Nd-138

MAT 6013

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

60-Nd-138



66

Incident Energy (MeV)

60-Nd-138



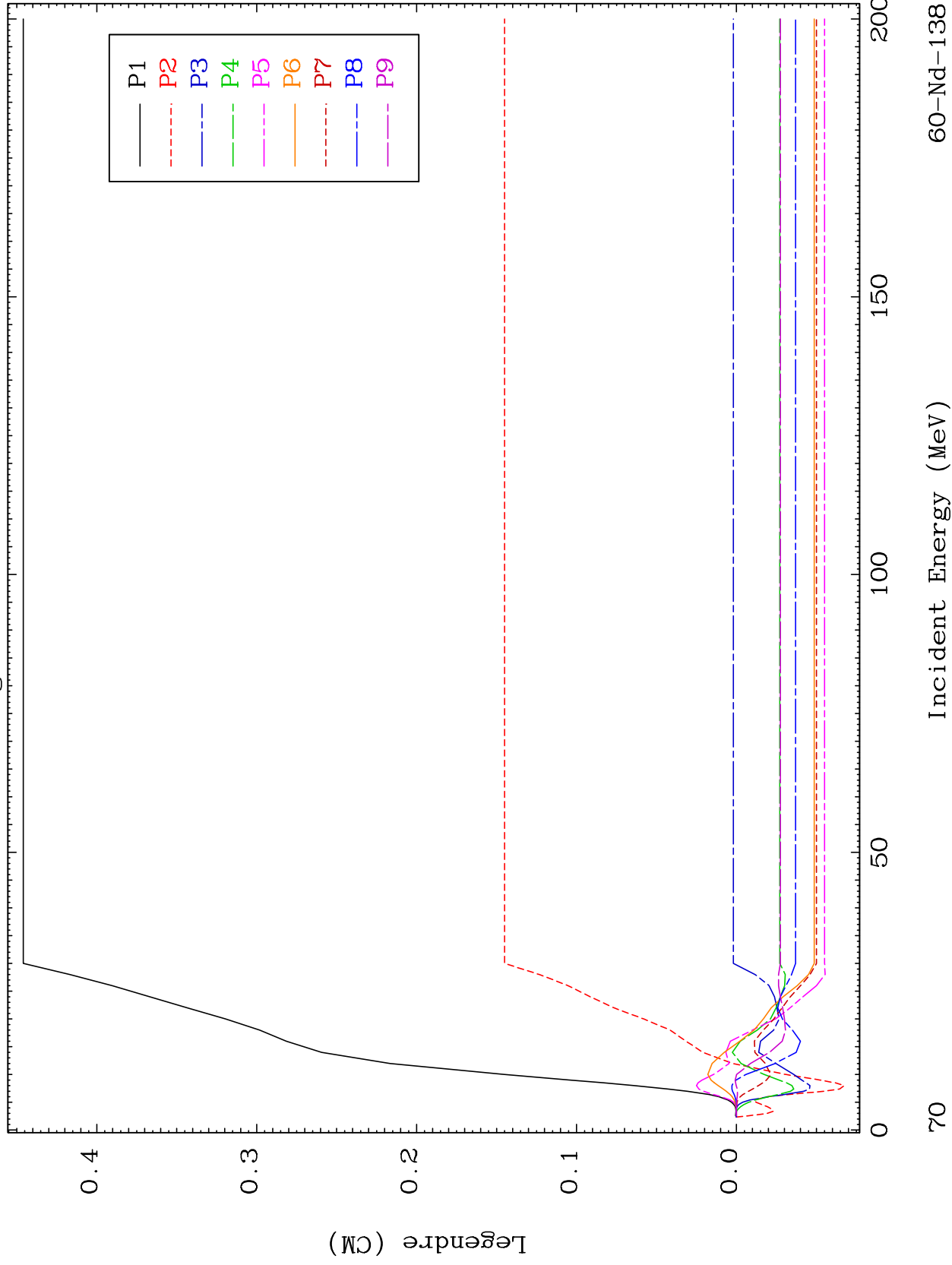




MAT 6013

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

60-Nd-138



60-Nd-138

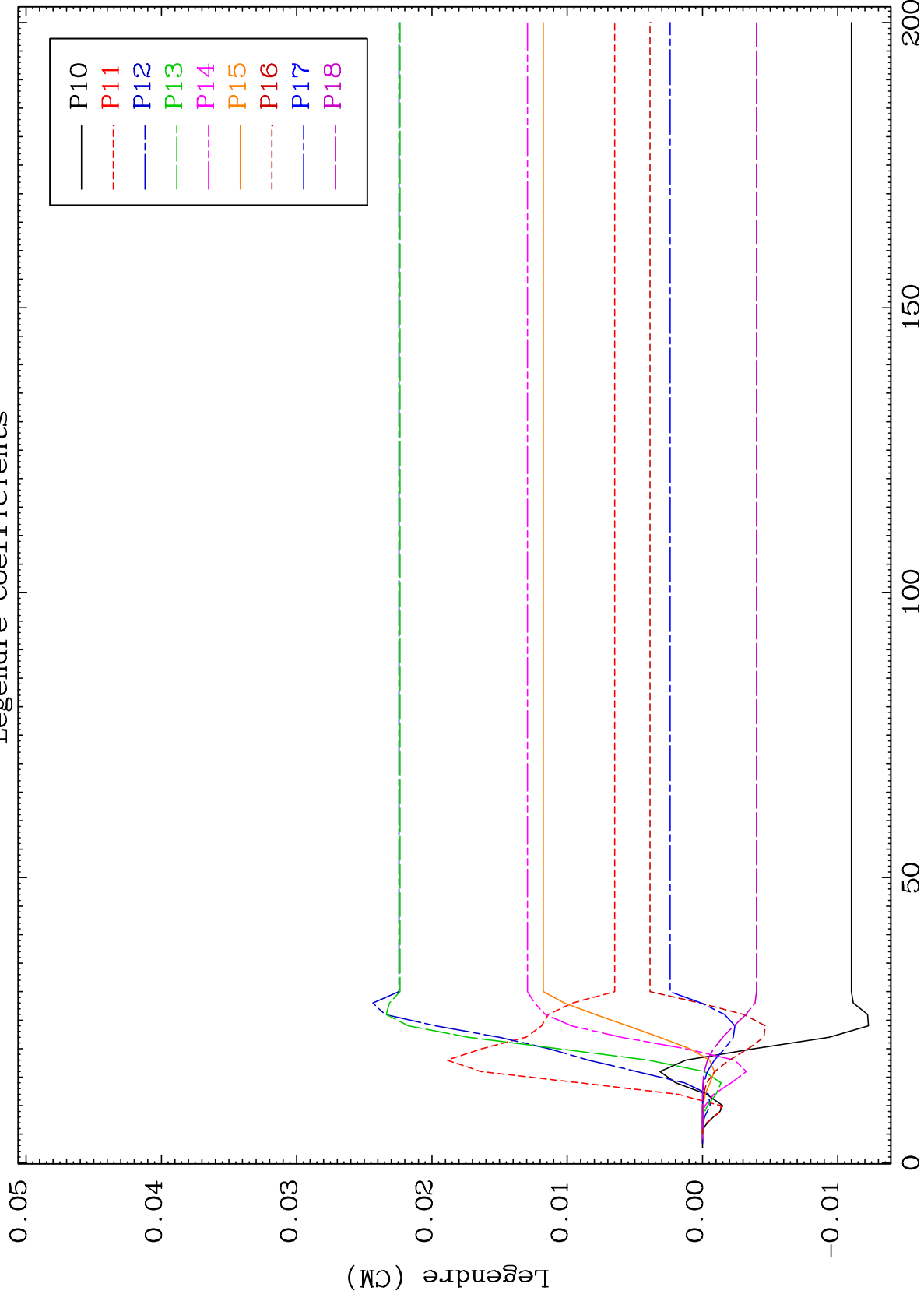
Incident Energy (MeV)

70

MAT 6013

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

60-Nd-138



71

Incident Energy (MeV)

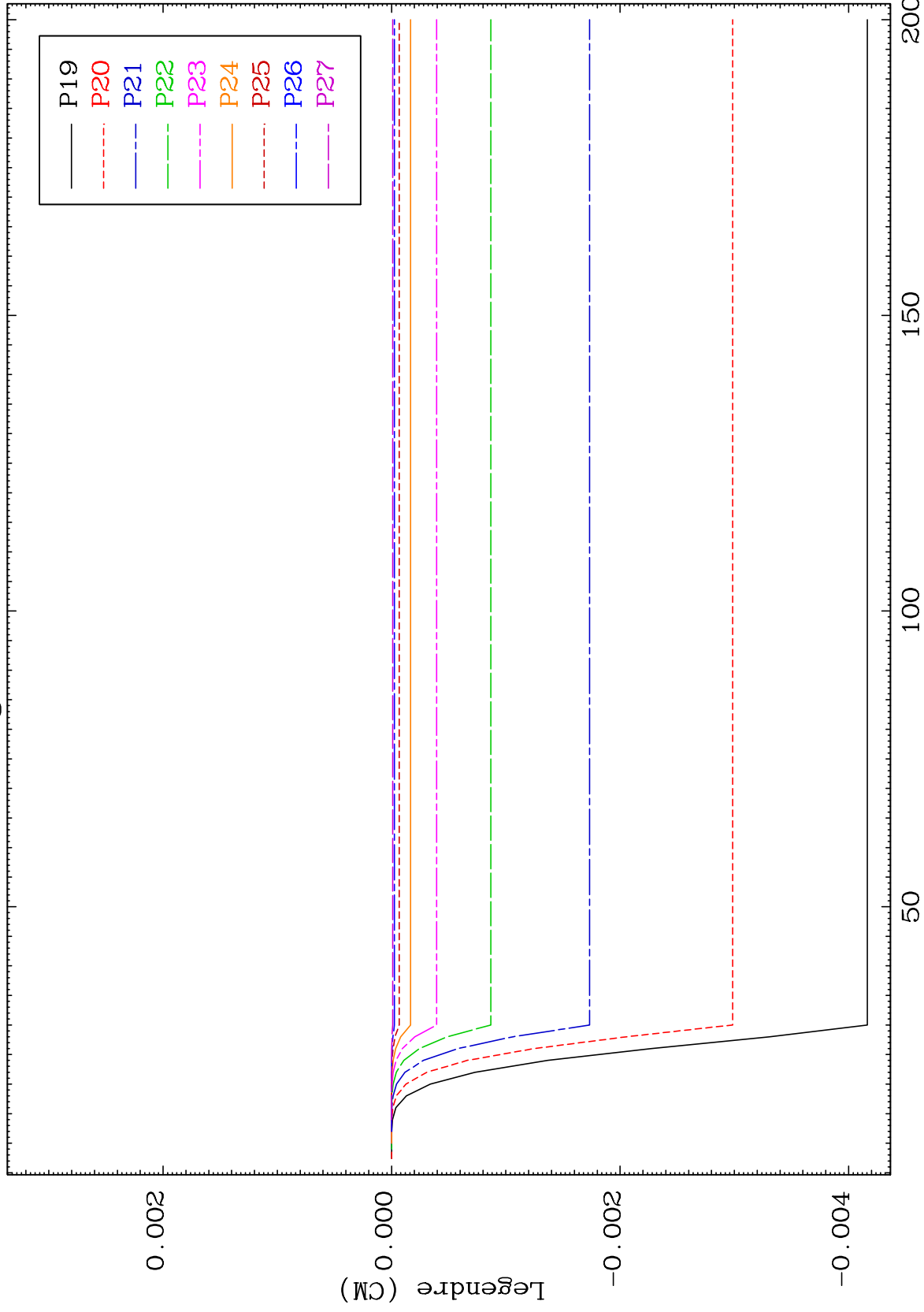
60-Nd-138



MAT 6013

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

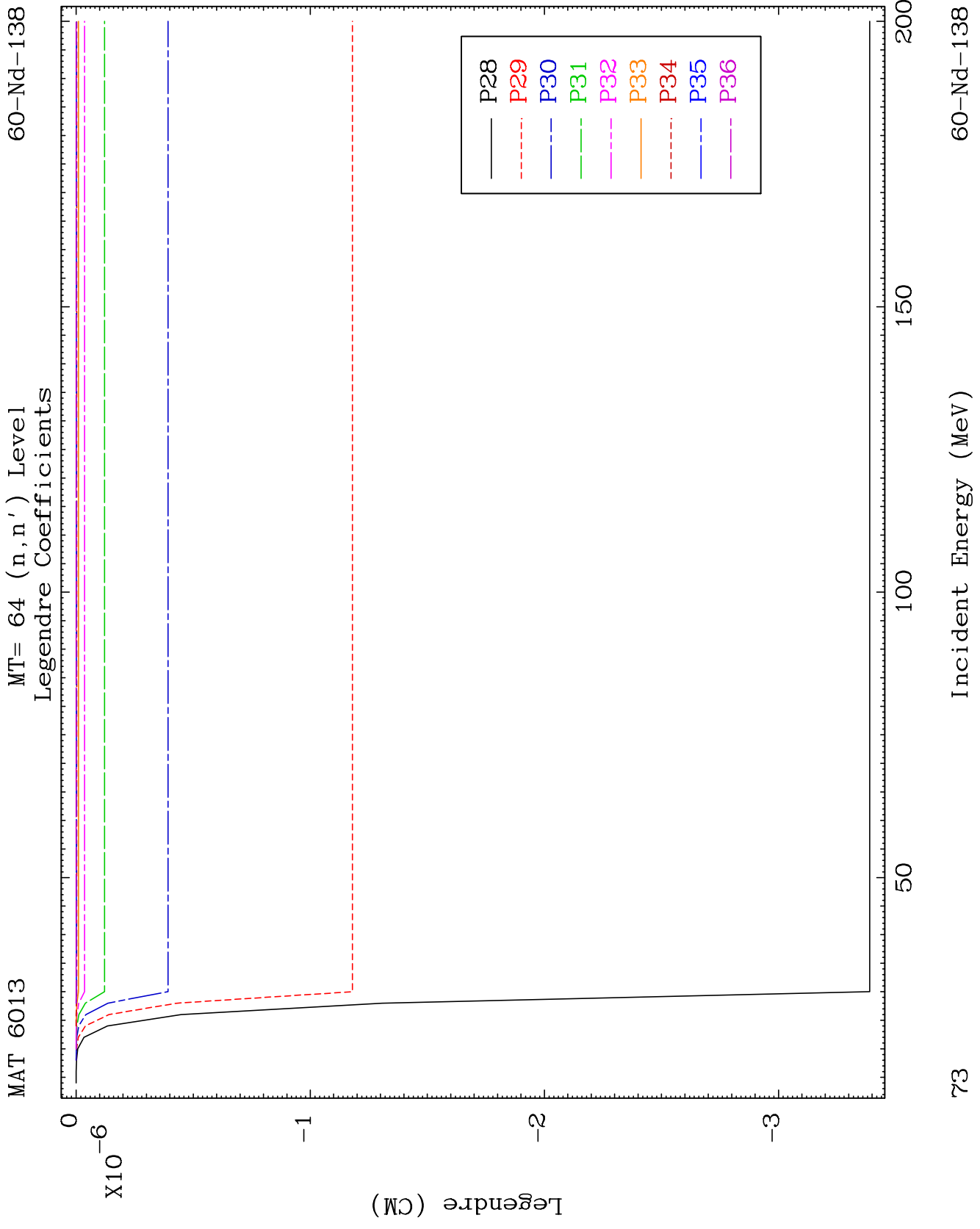
60-Nd-138



72

Incident Energy (MeV)

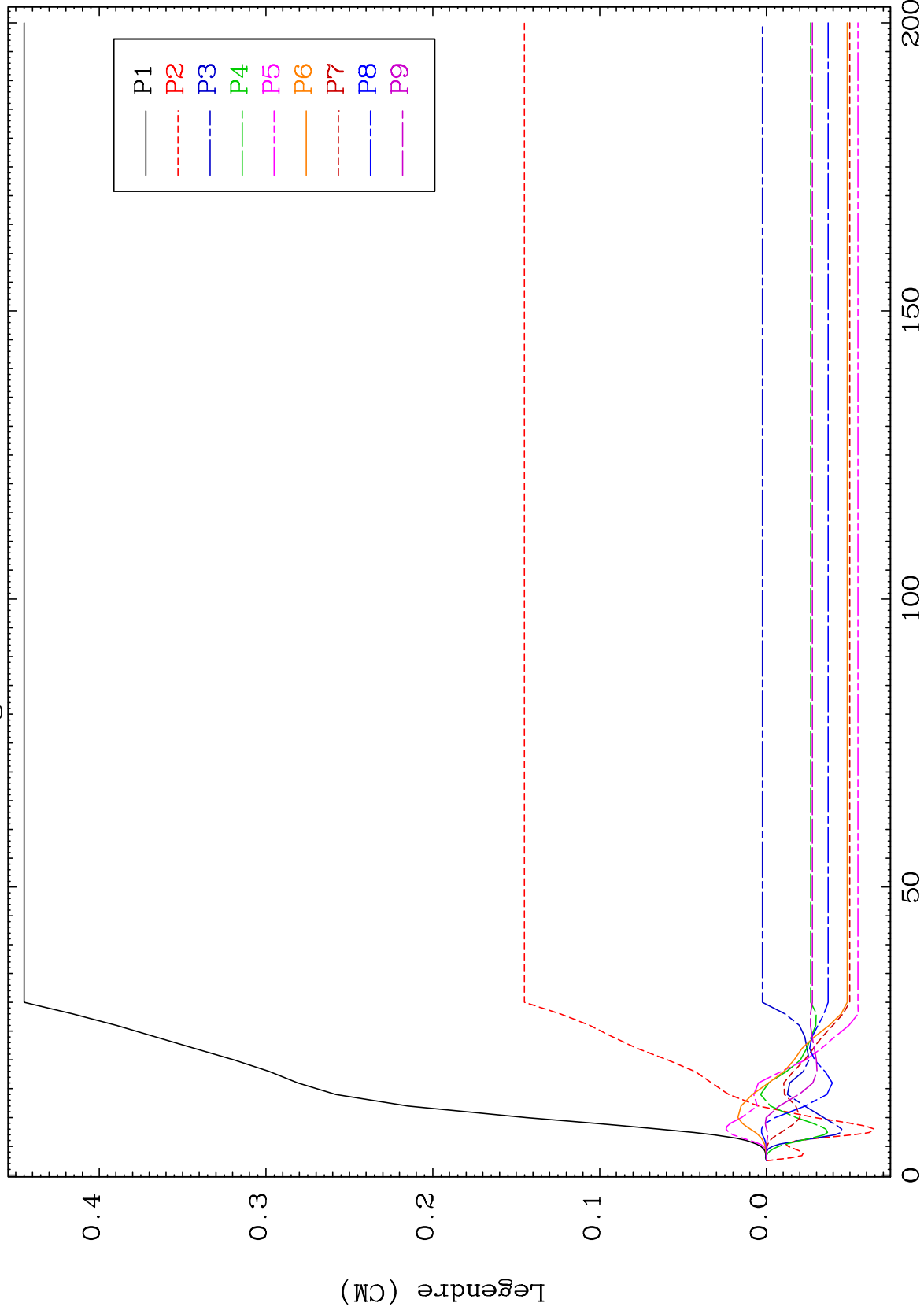
60-Nd-138



MAT 6013

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

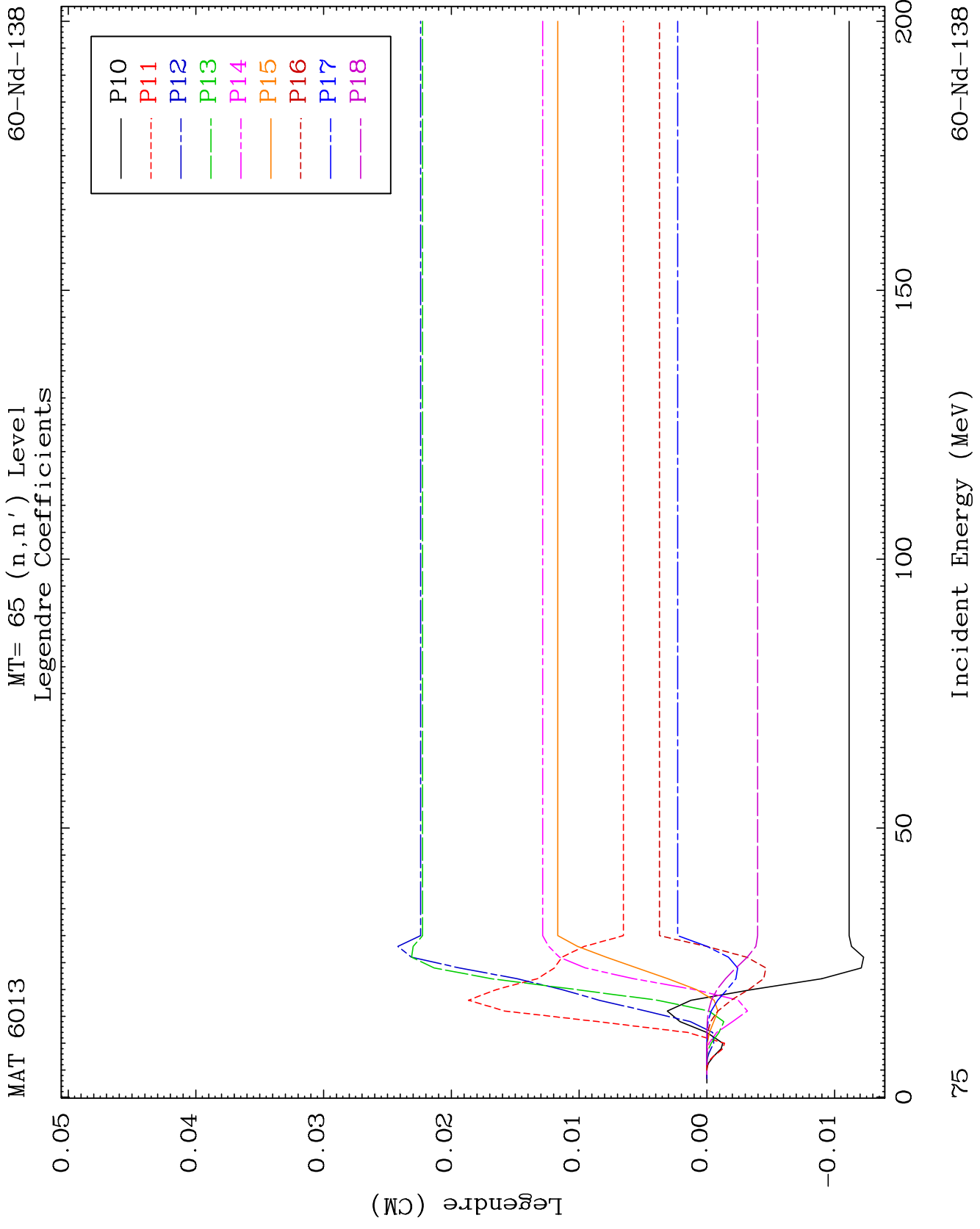
60-Nd-138



74

Incident Energy (MeV)

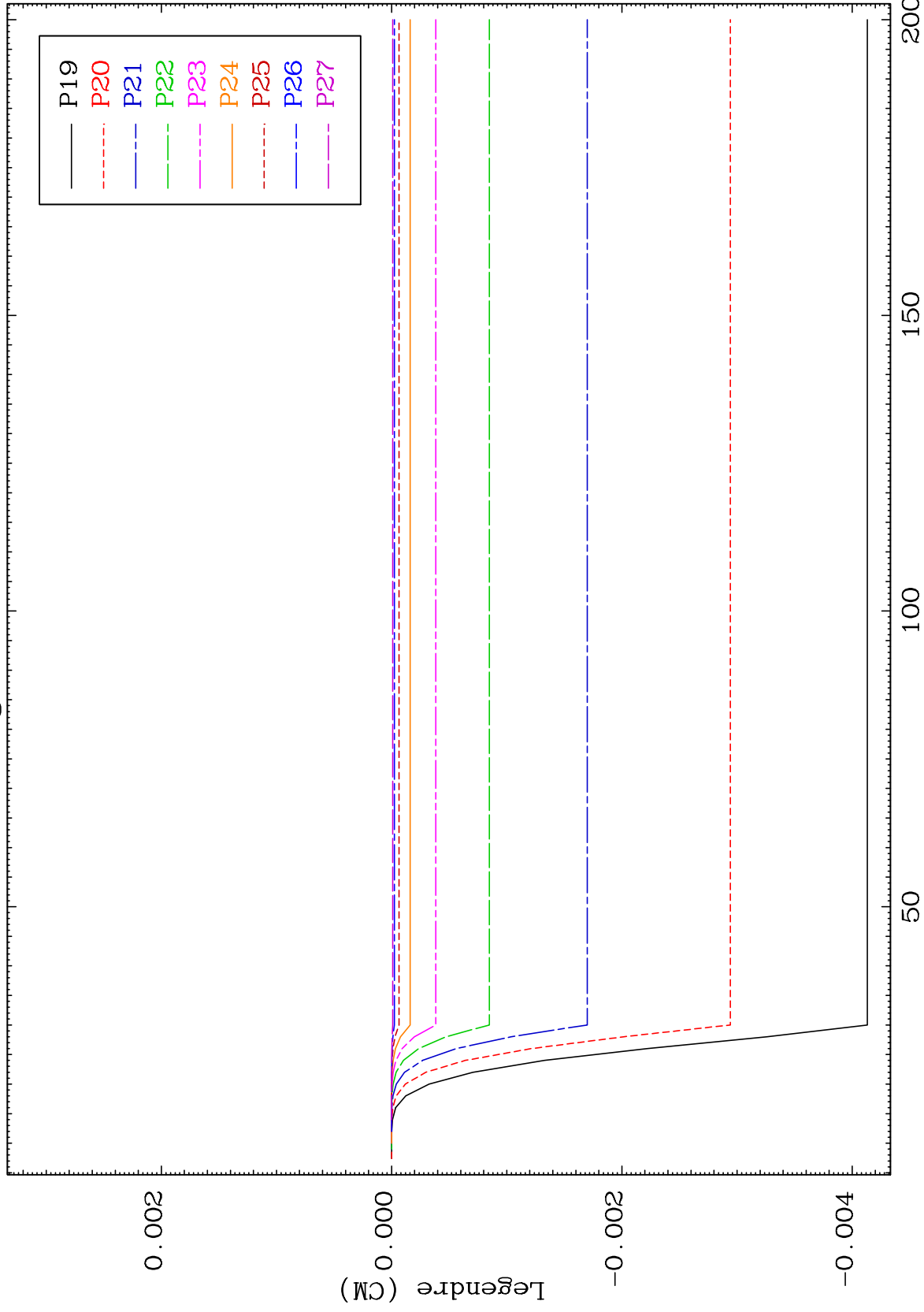
60-Nd-138



MAT 6013

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

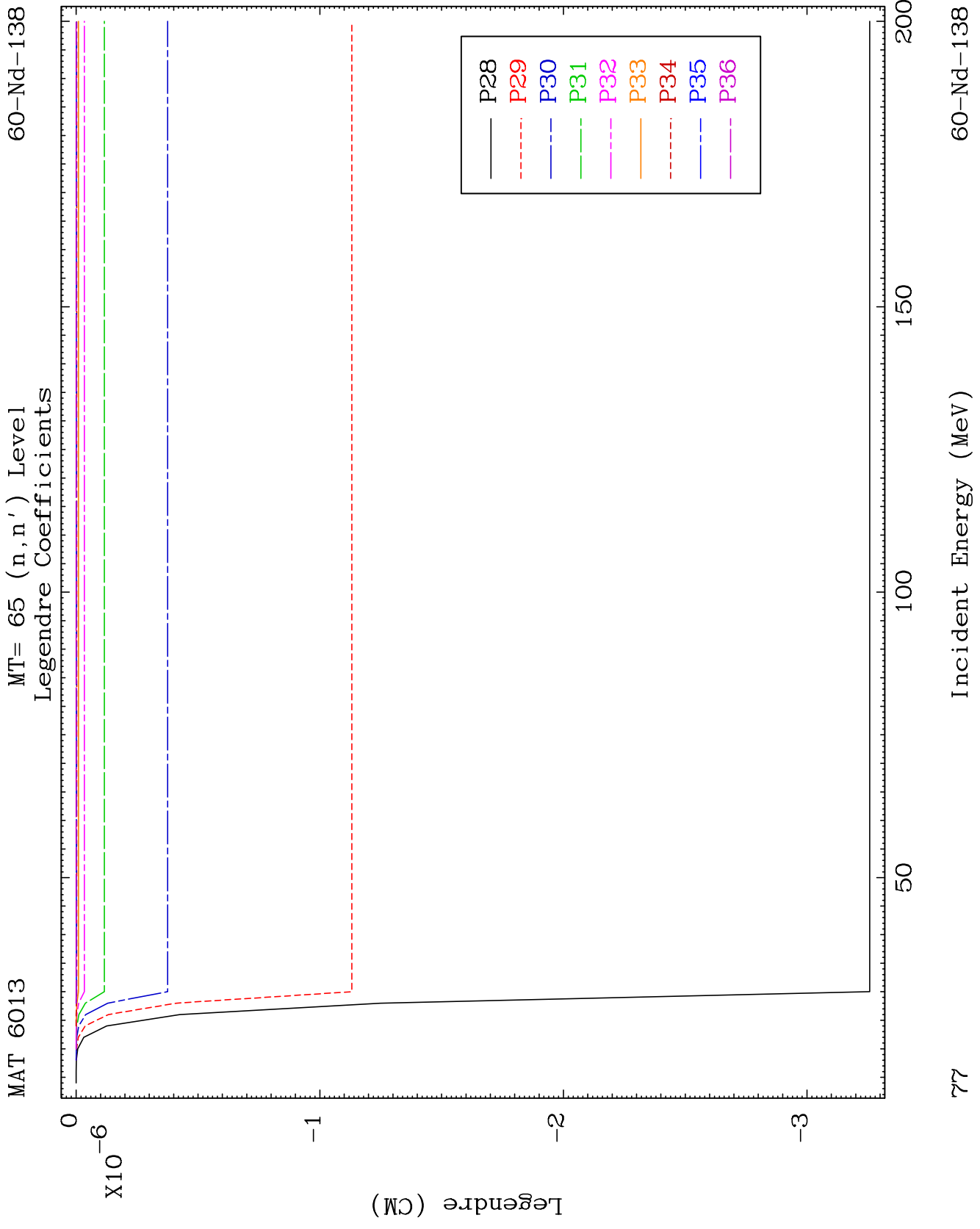
60-Nd-138



76

Incident Energy (MeV)

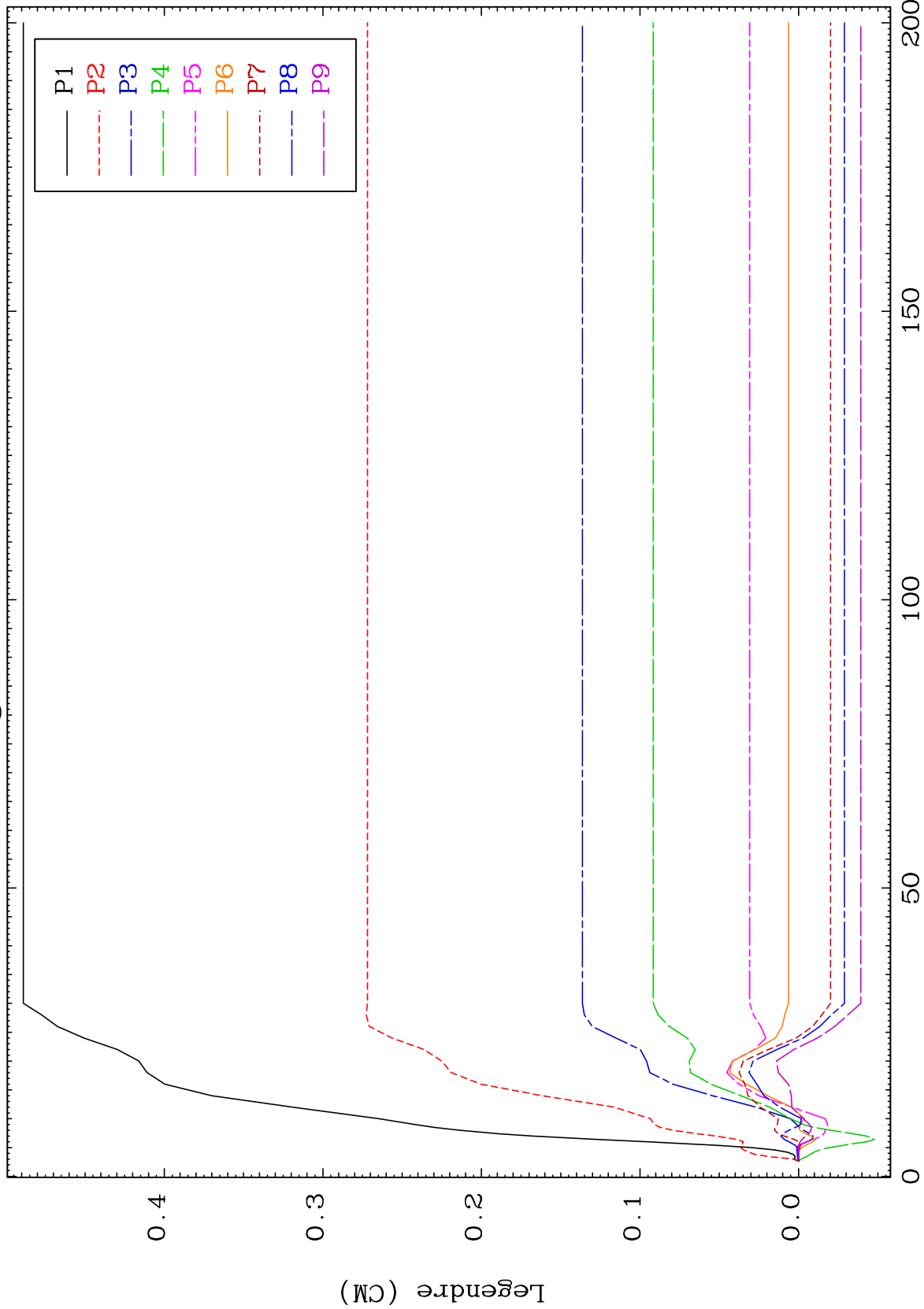
60-Nd-138



MAT 6013

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

60-Nd-138



78

Incident Energy (MeV)

60-Nd-138

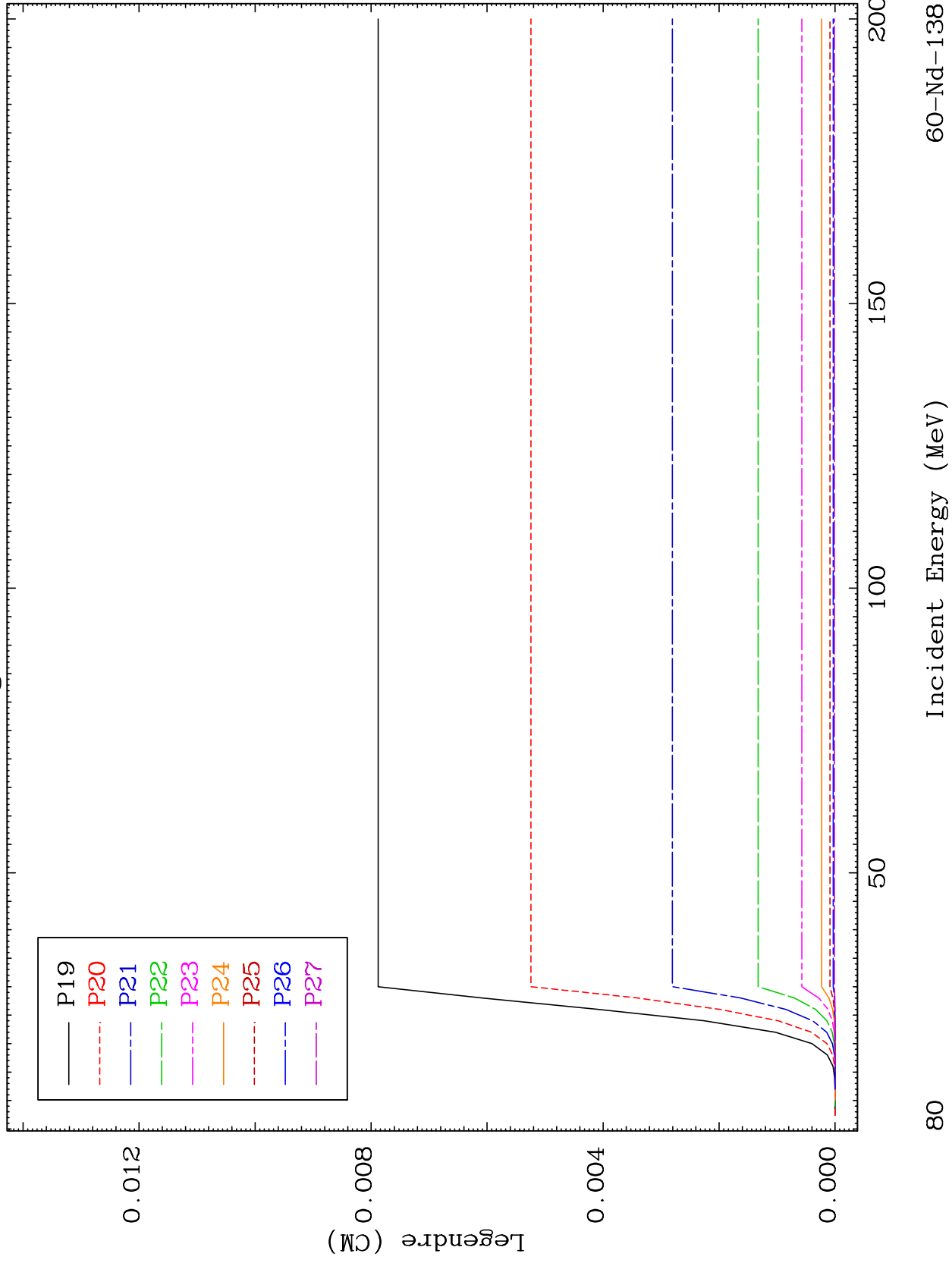




MAT 6013

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

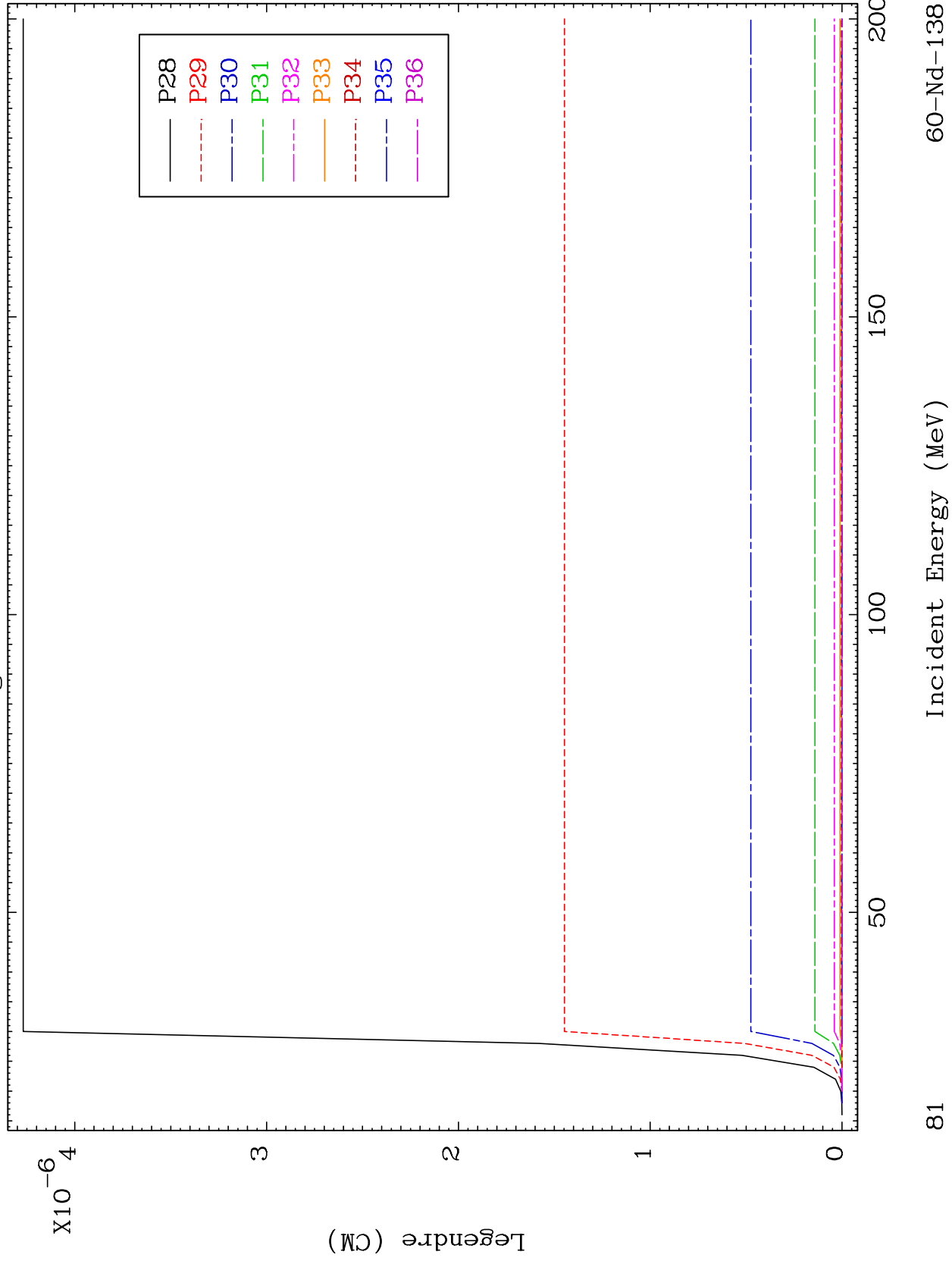
60-Nd-138



MAT 6013

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

60-Nd-138

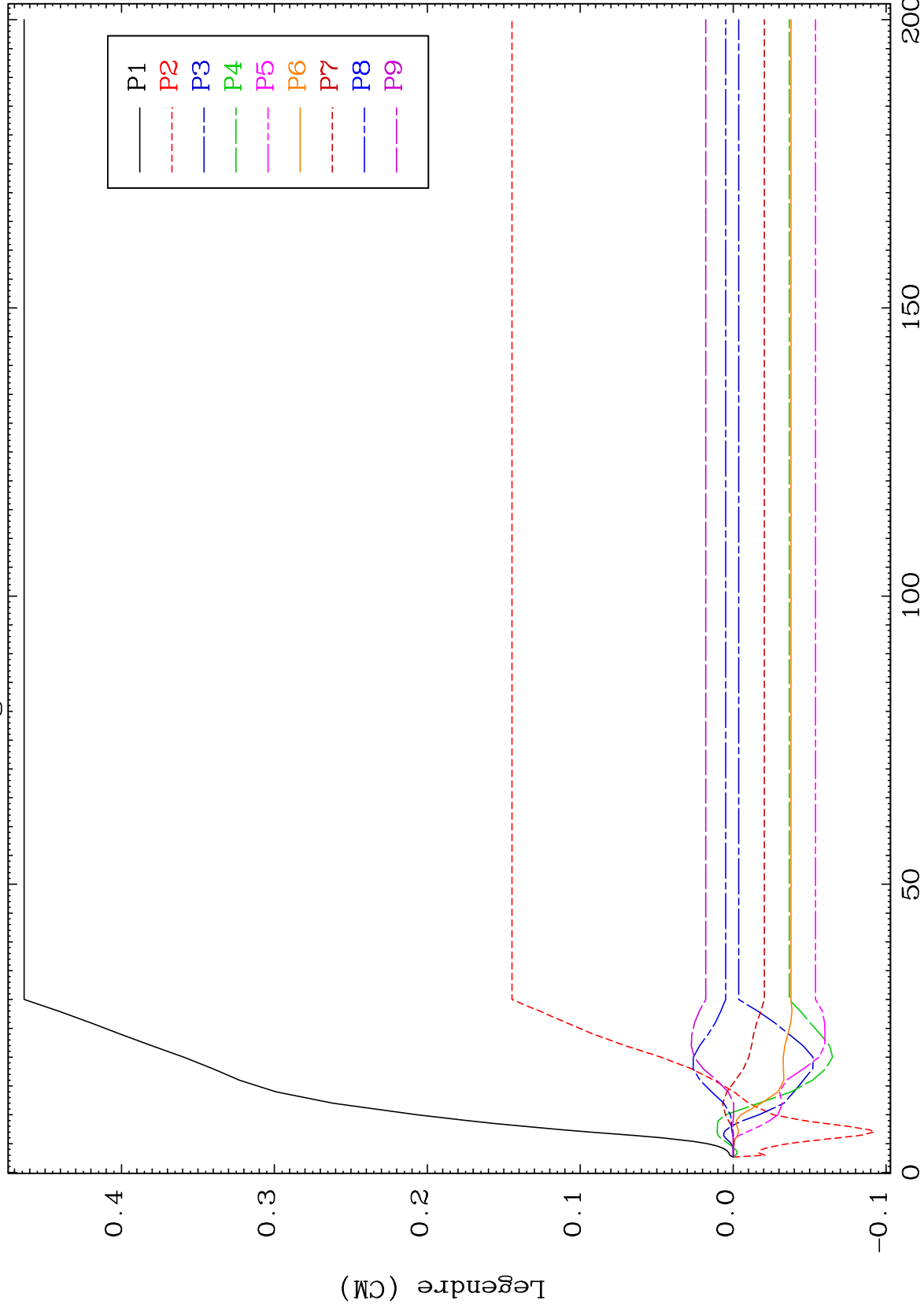


81

MAT 6013

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

60-Nd-138



82

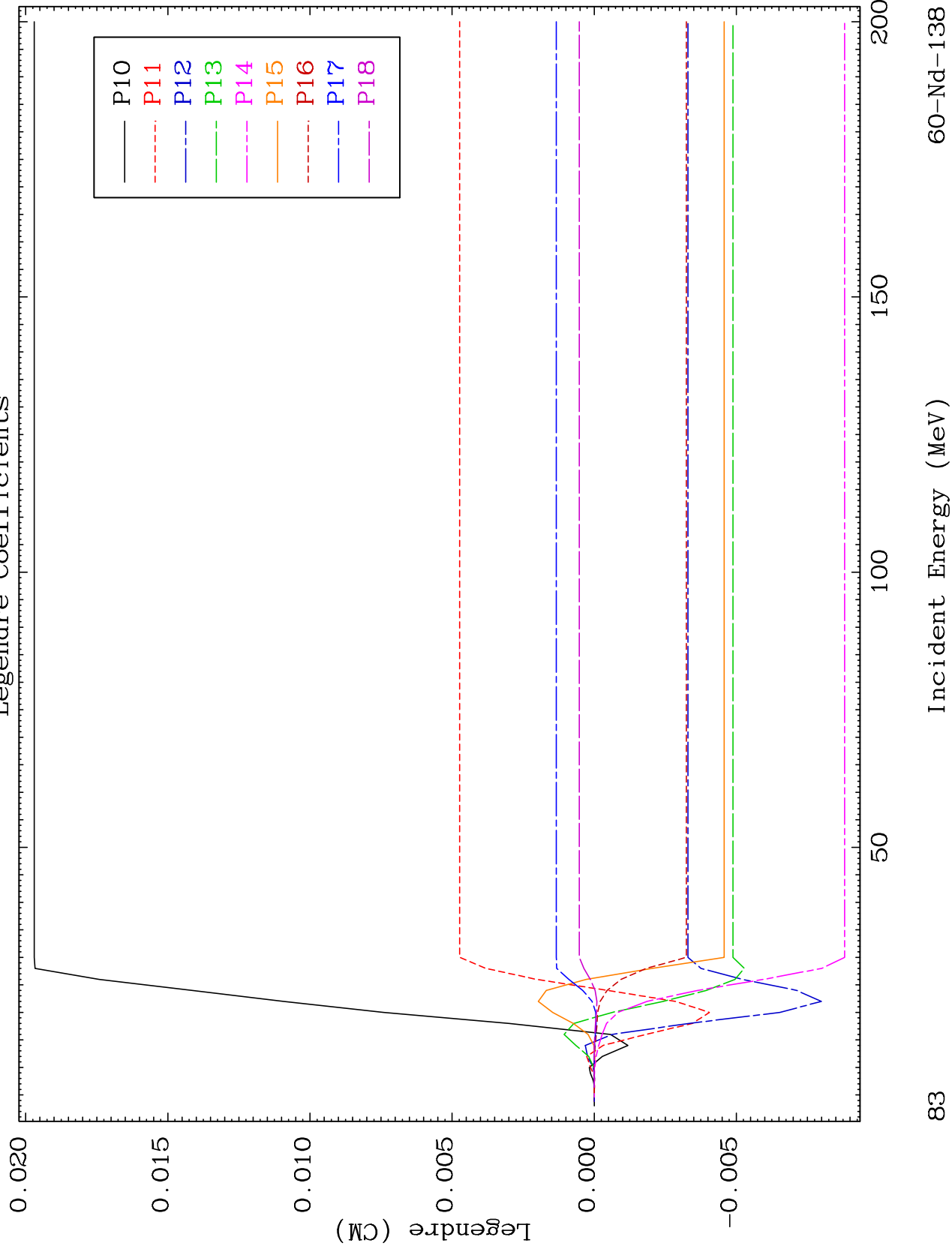
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

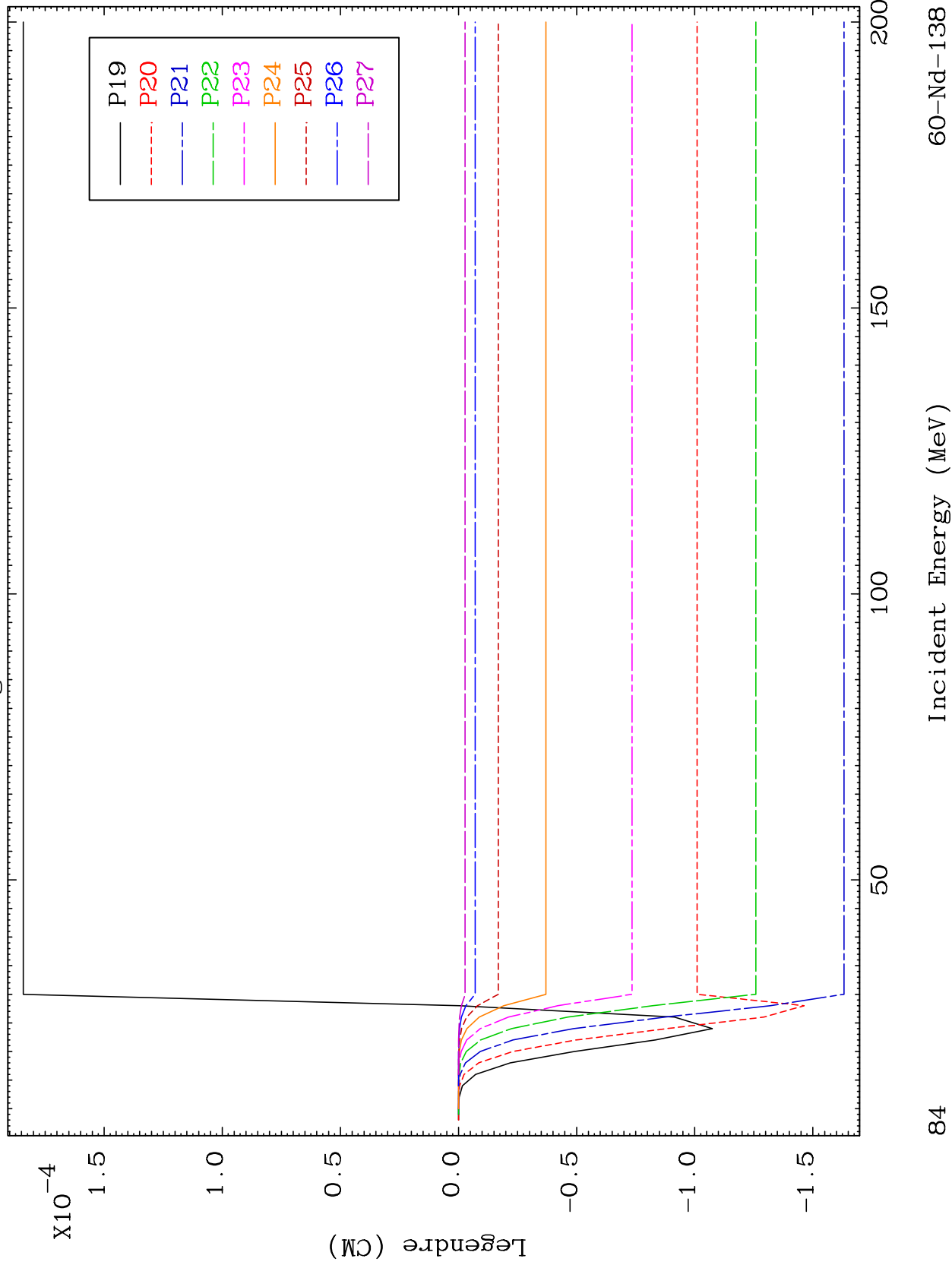
60-Nd-138

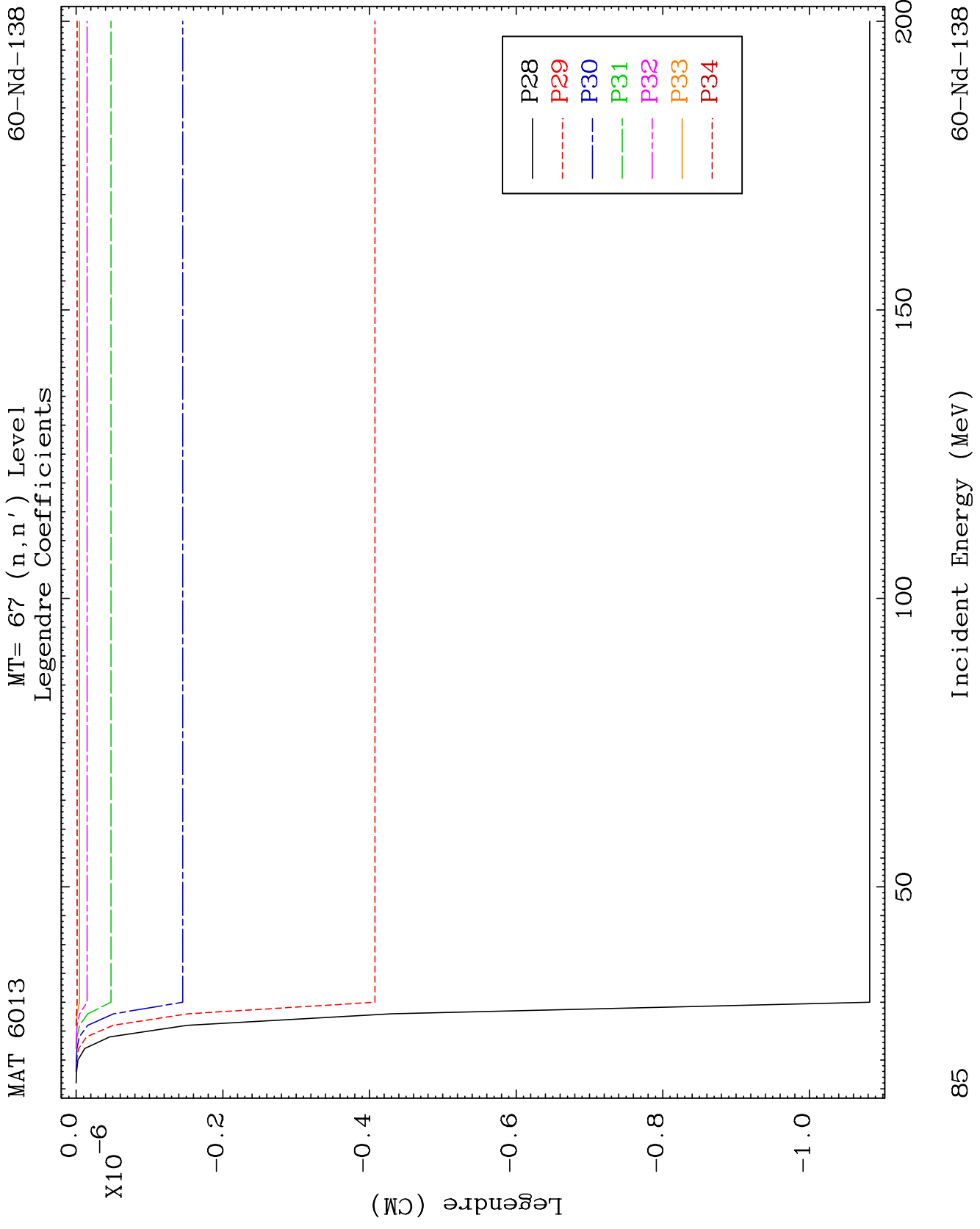


MAT 6013

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

60-Nd-138

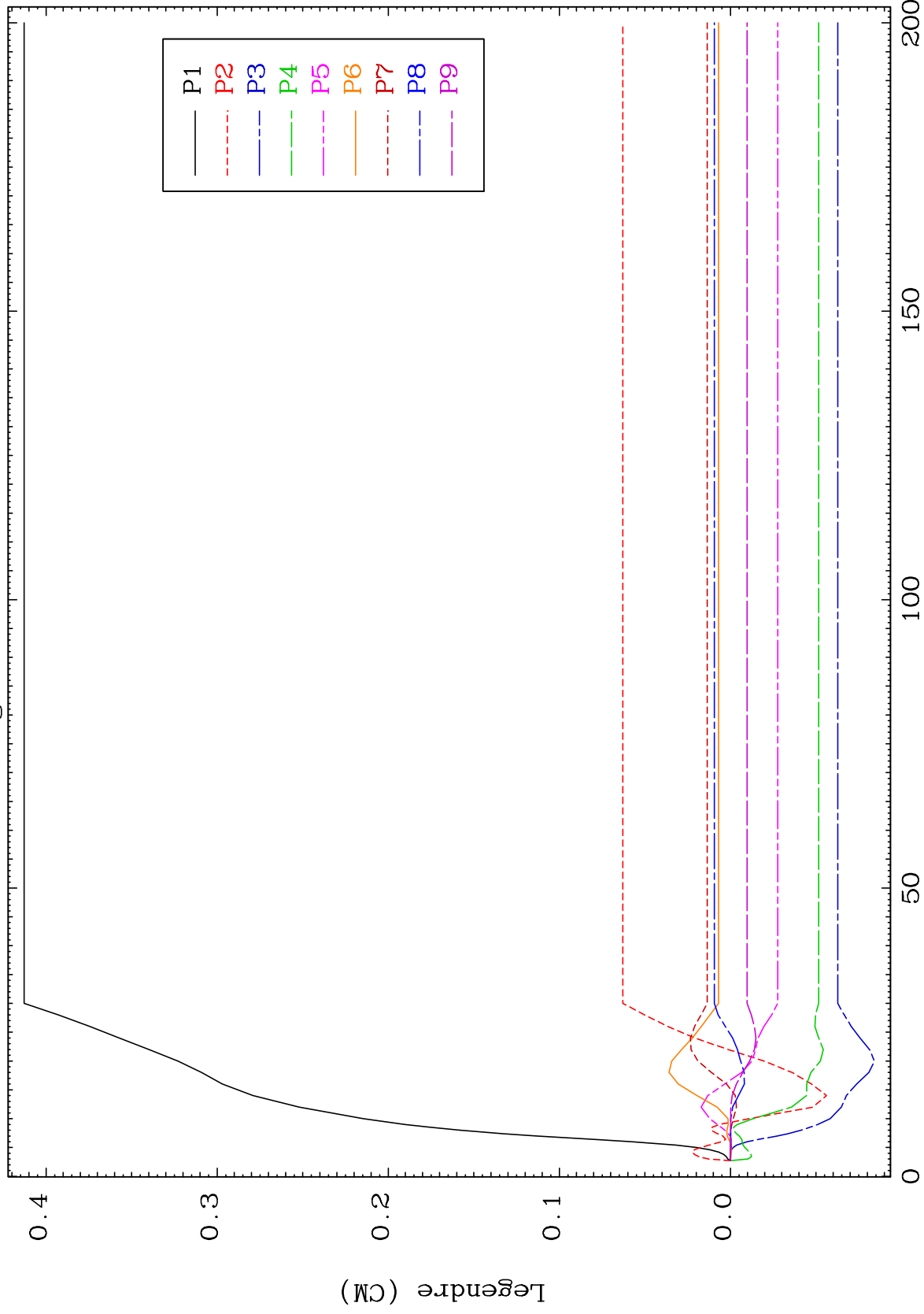




MAT 6013

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

60-Nd-138



86

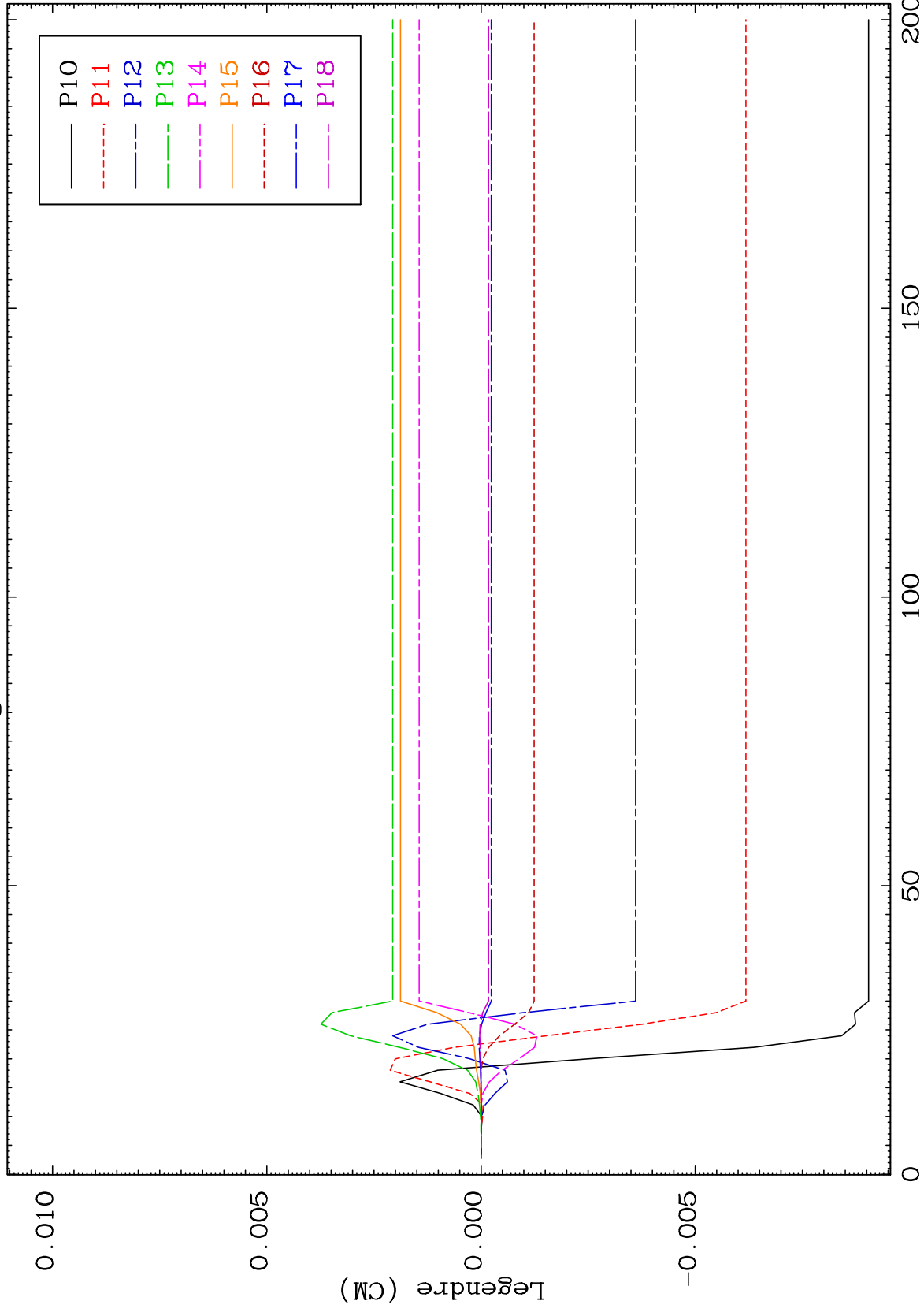
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



87

Incident Energy (MeV)

60-Nd-138

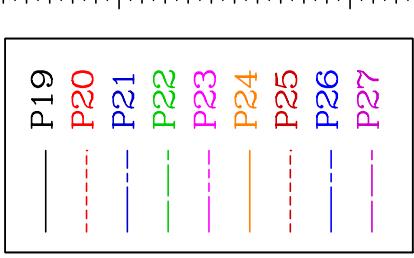


MAT 6013

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

60-Nd-138

$\times 10^{-5}$



Legendre (CM)

200

150

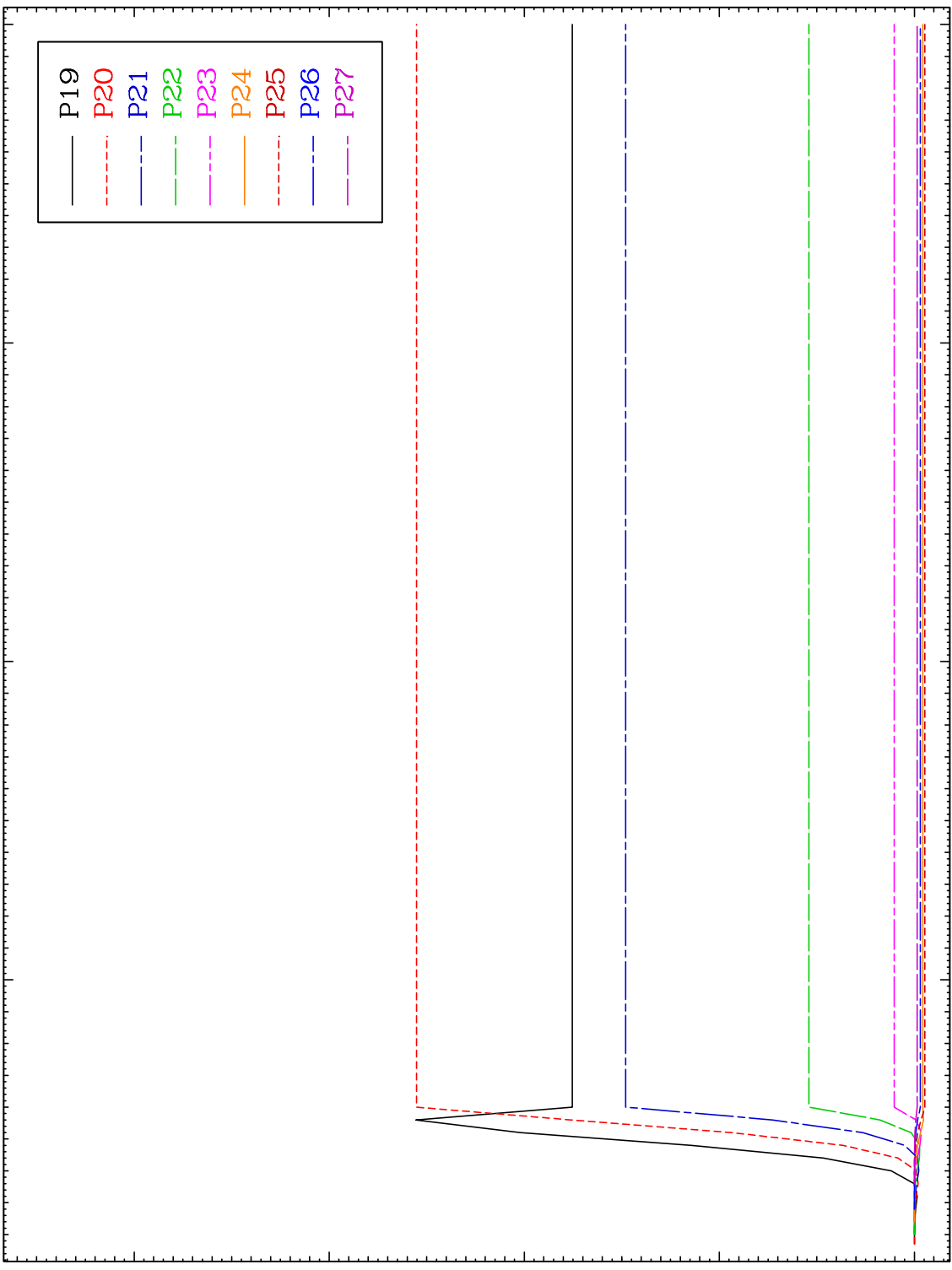
100

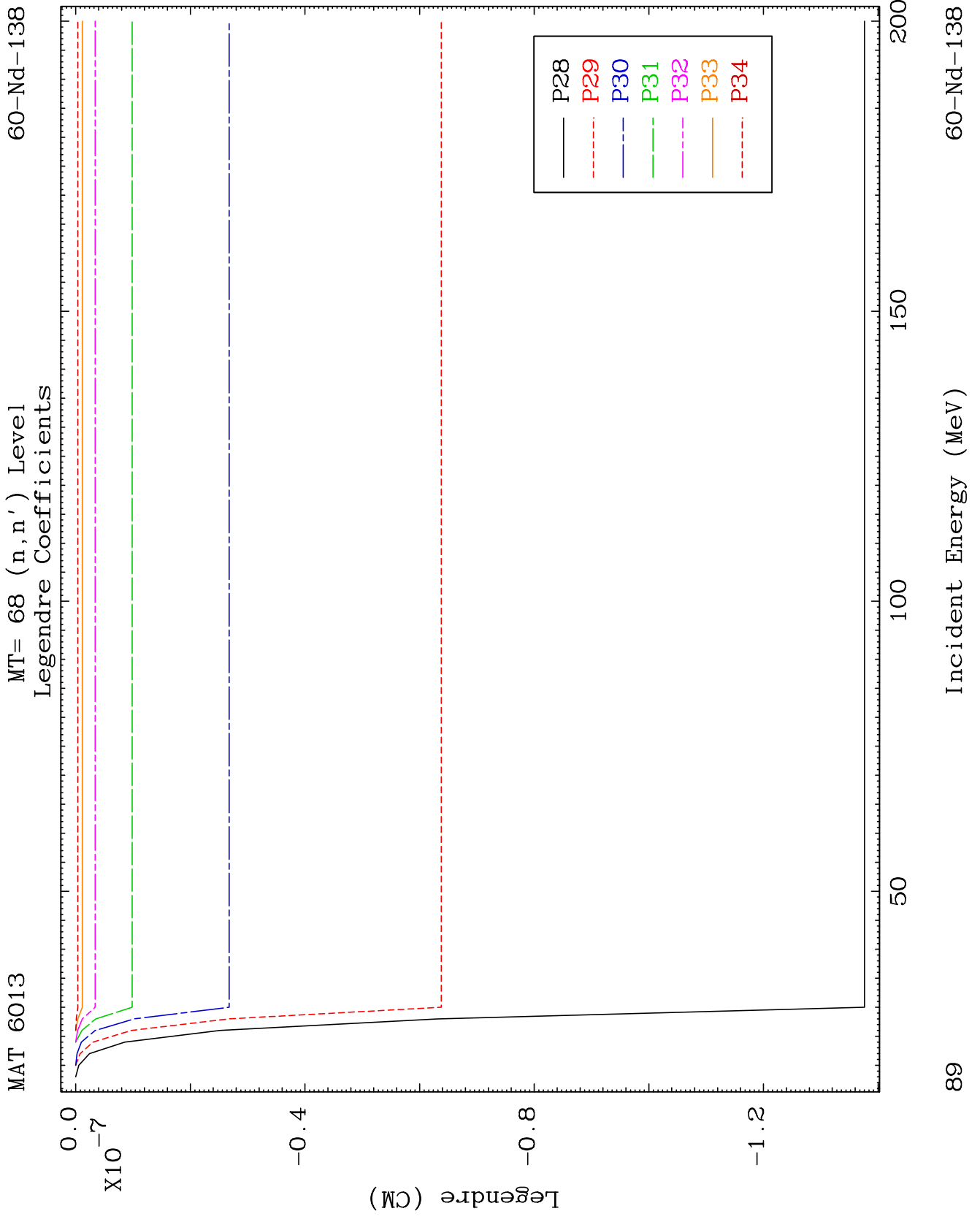
50

88

Incident Energy (MeV)

60-Nd-138

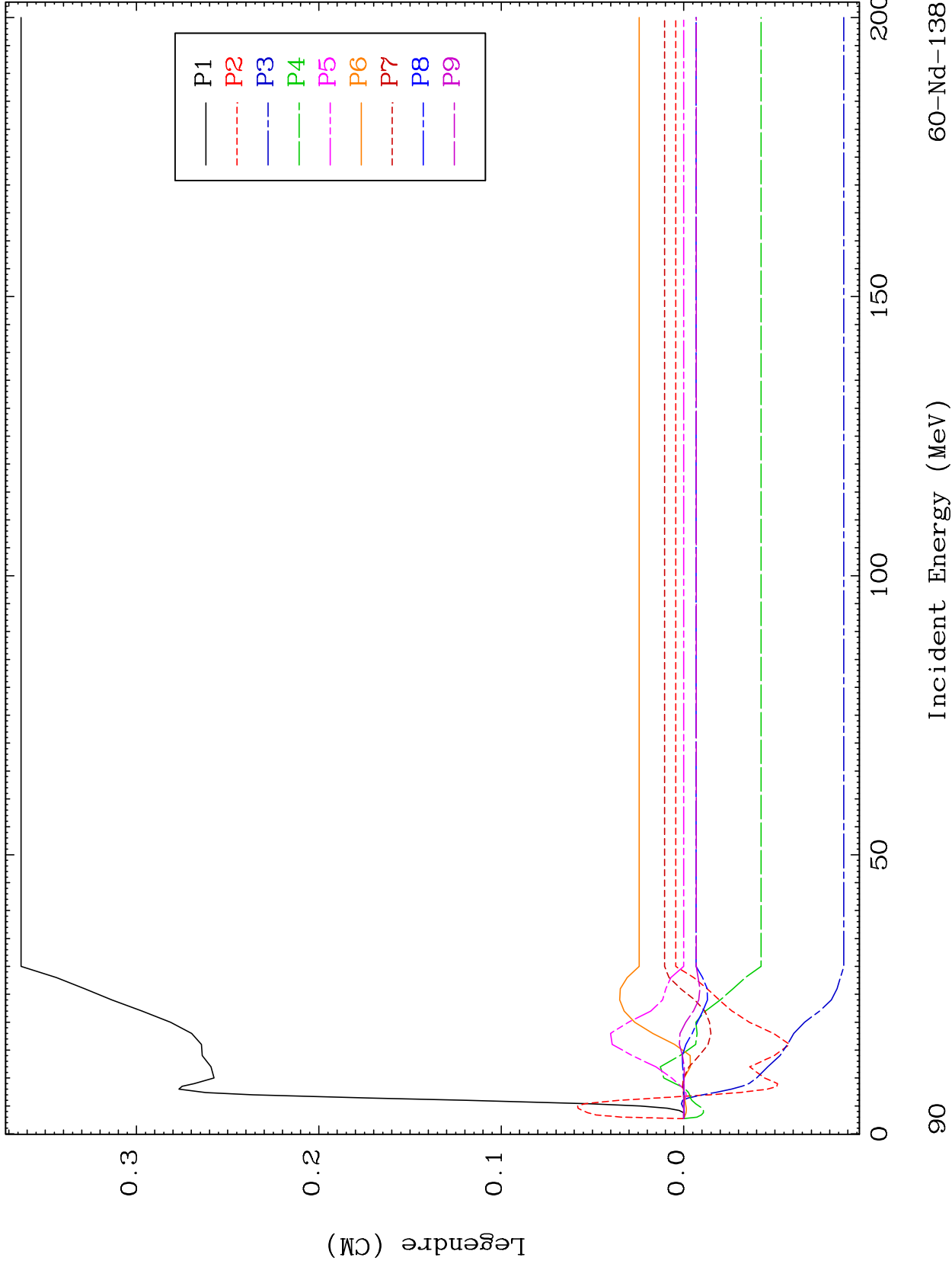




MAT 6013

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

60-Nd-138



60-Nd-138

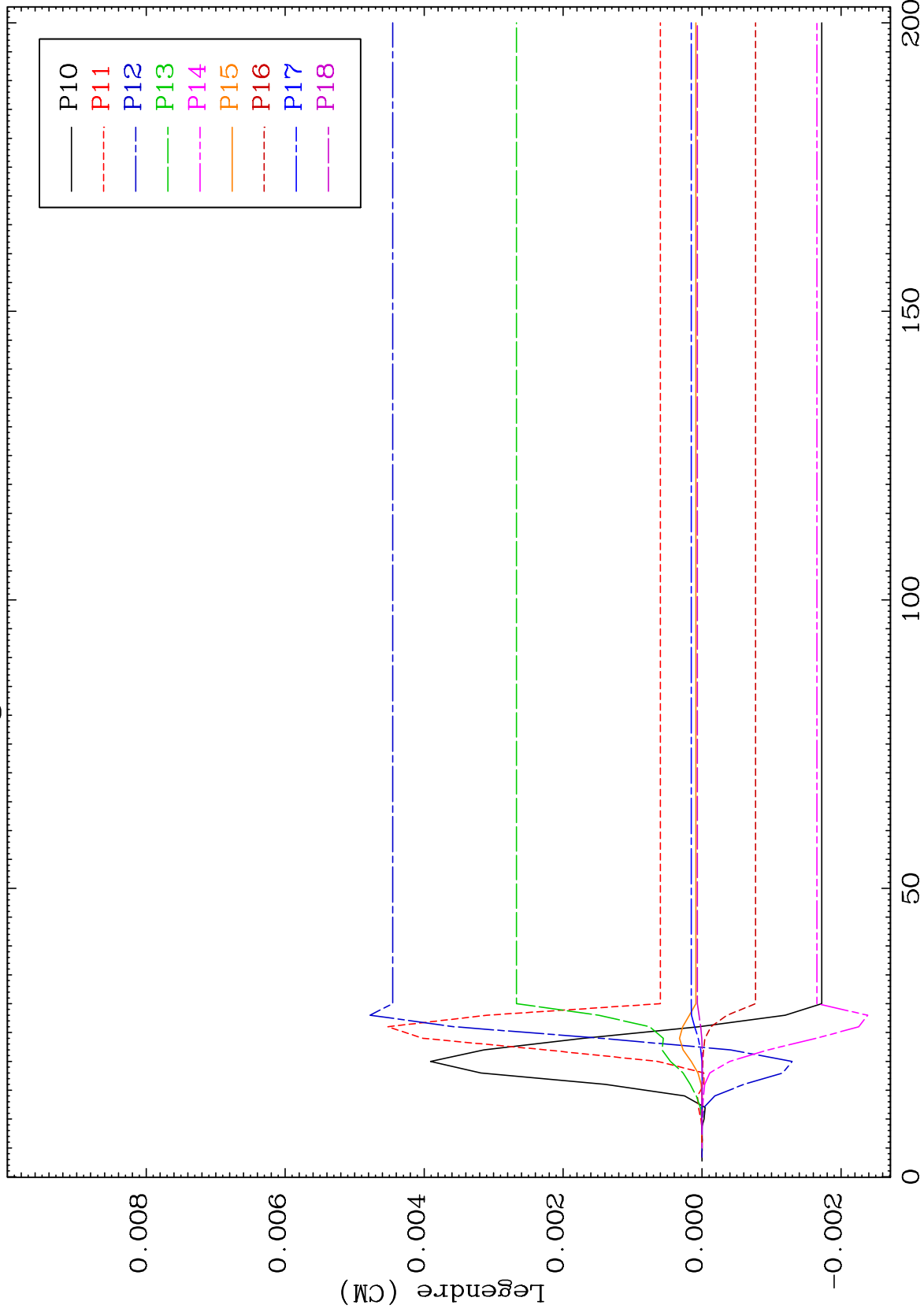
Incident Energy (MeV)

90

MAT 6013

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

60-Nd-138



91

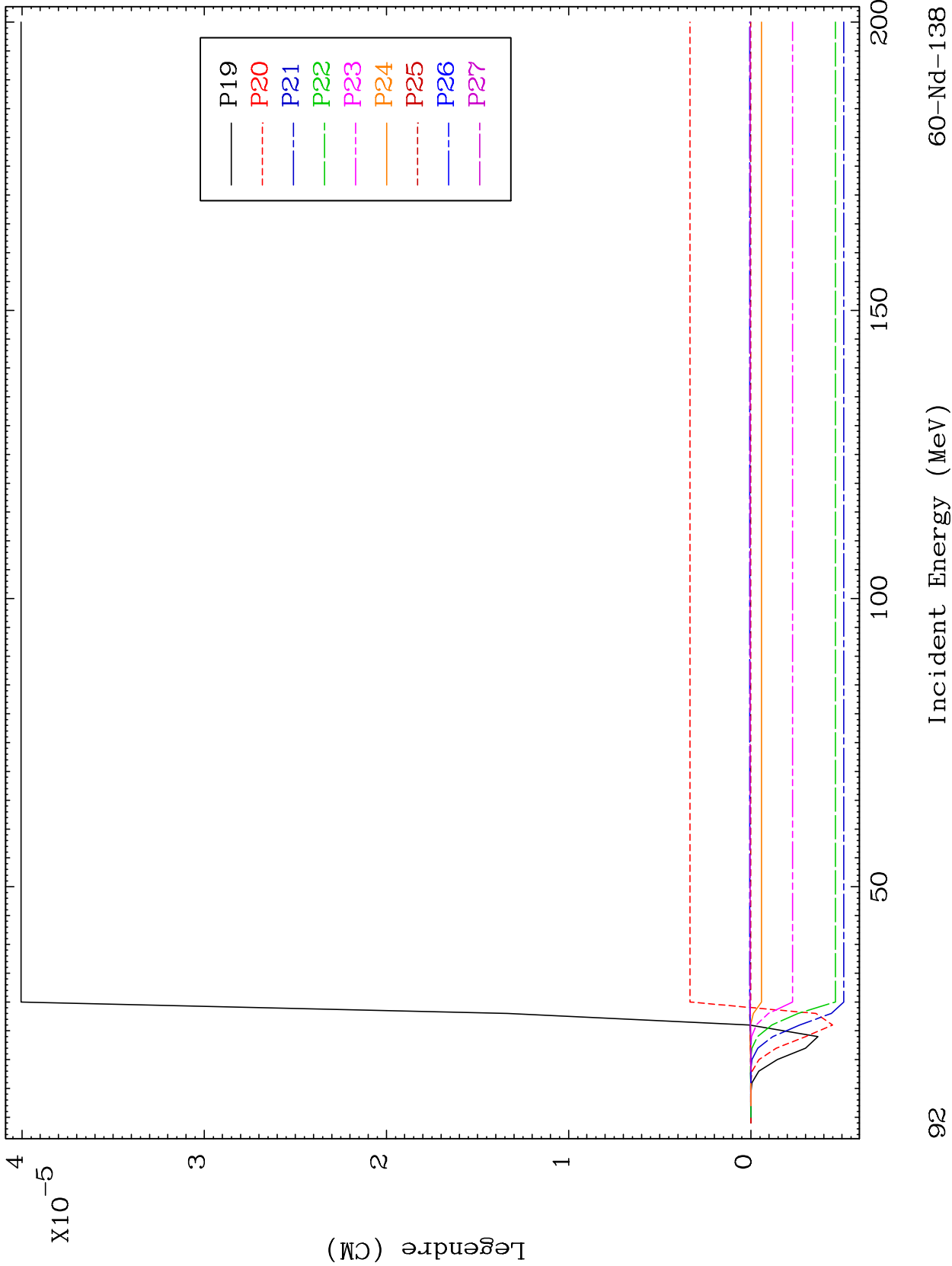
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

60-Nd-138



92

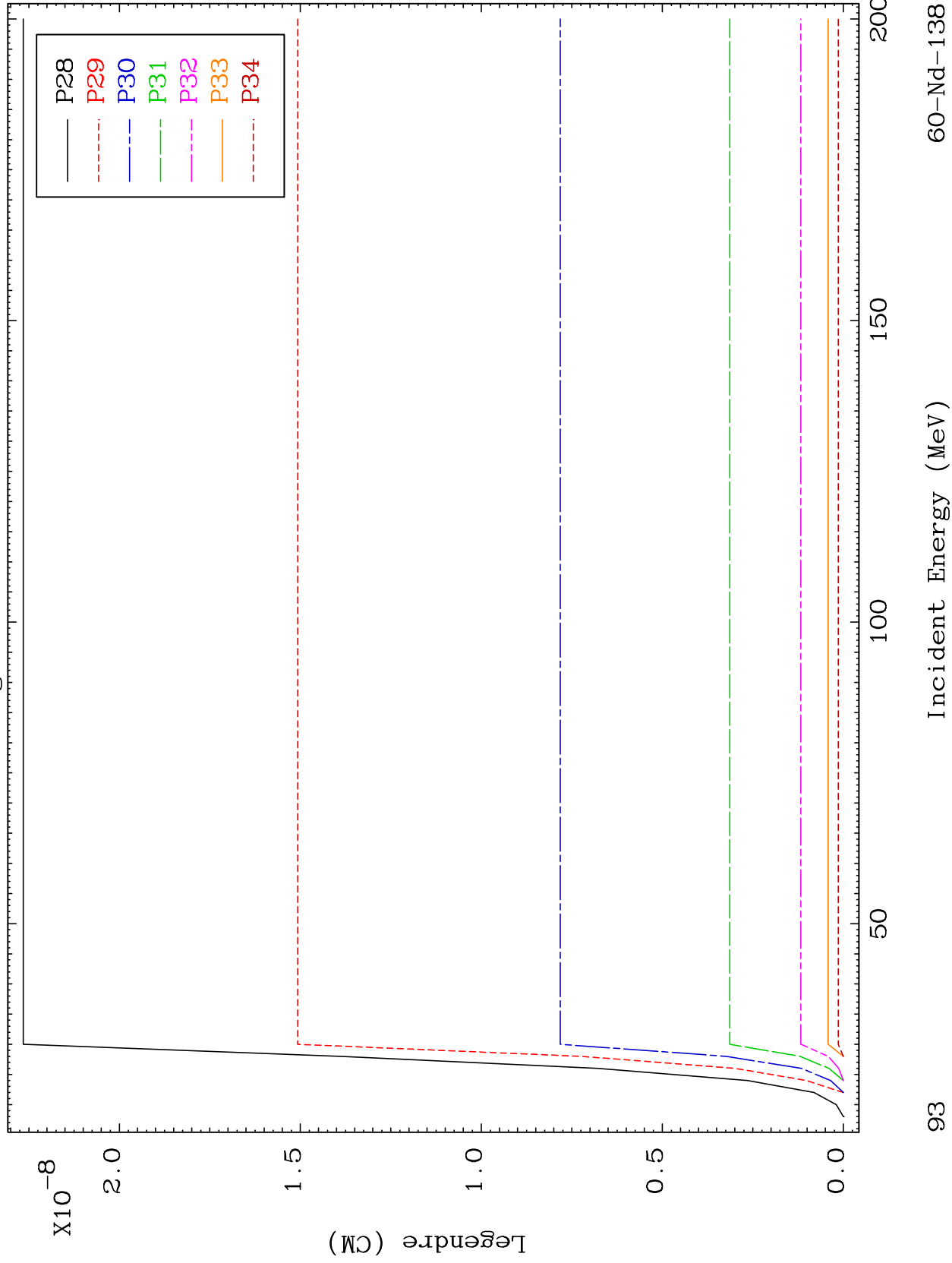
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

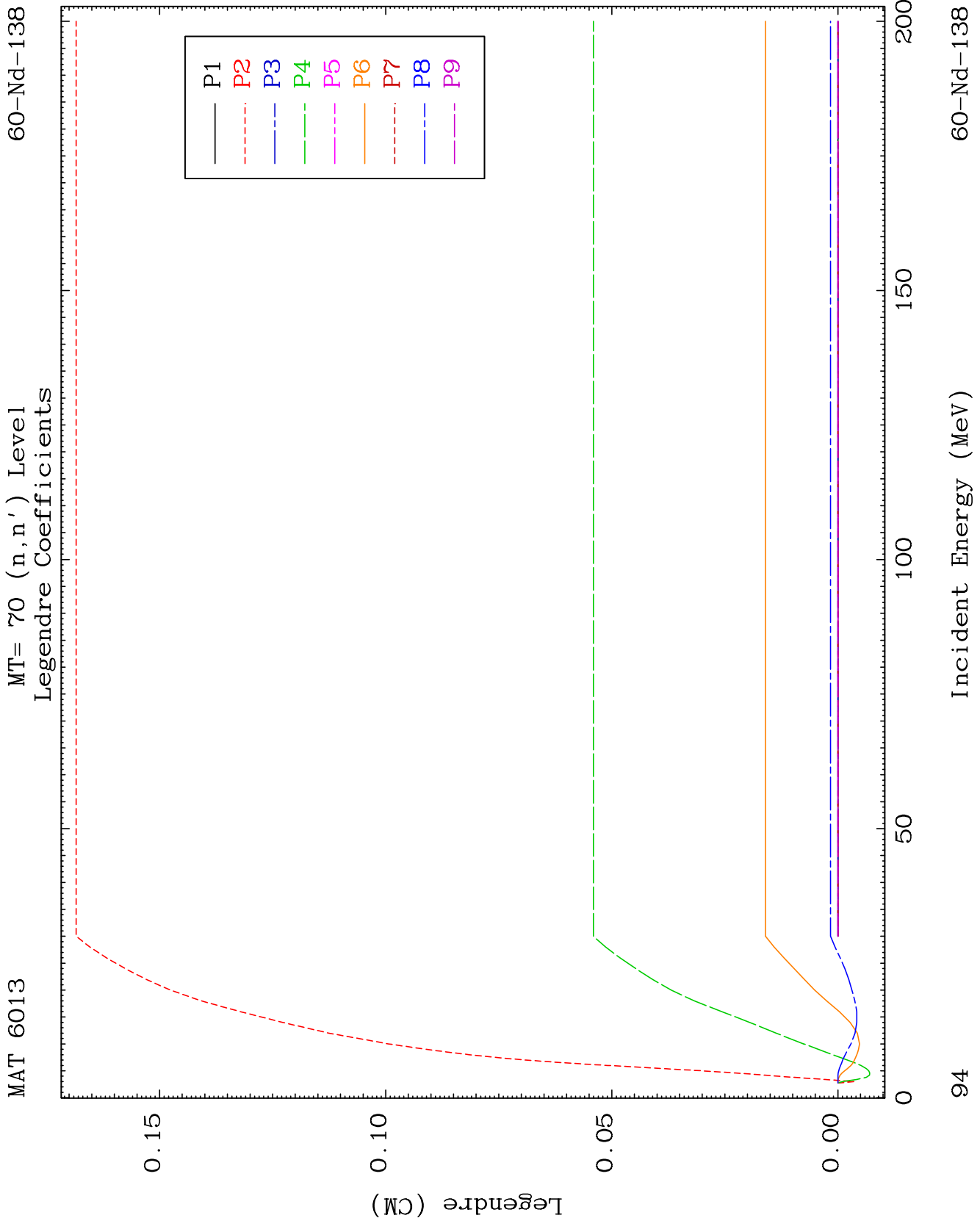
60-Nd-138



93

Incident Energy (MeV)

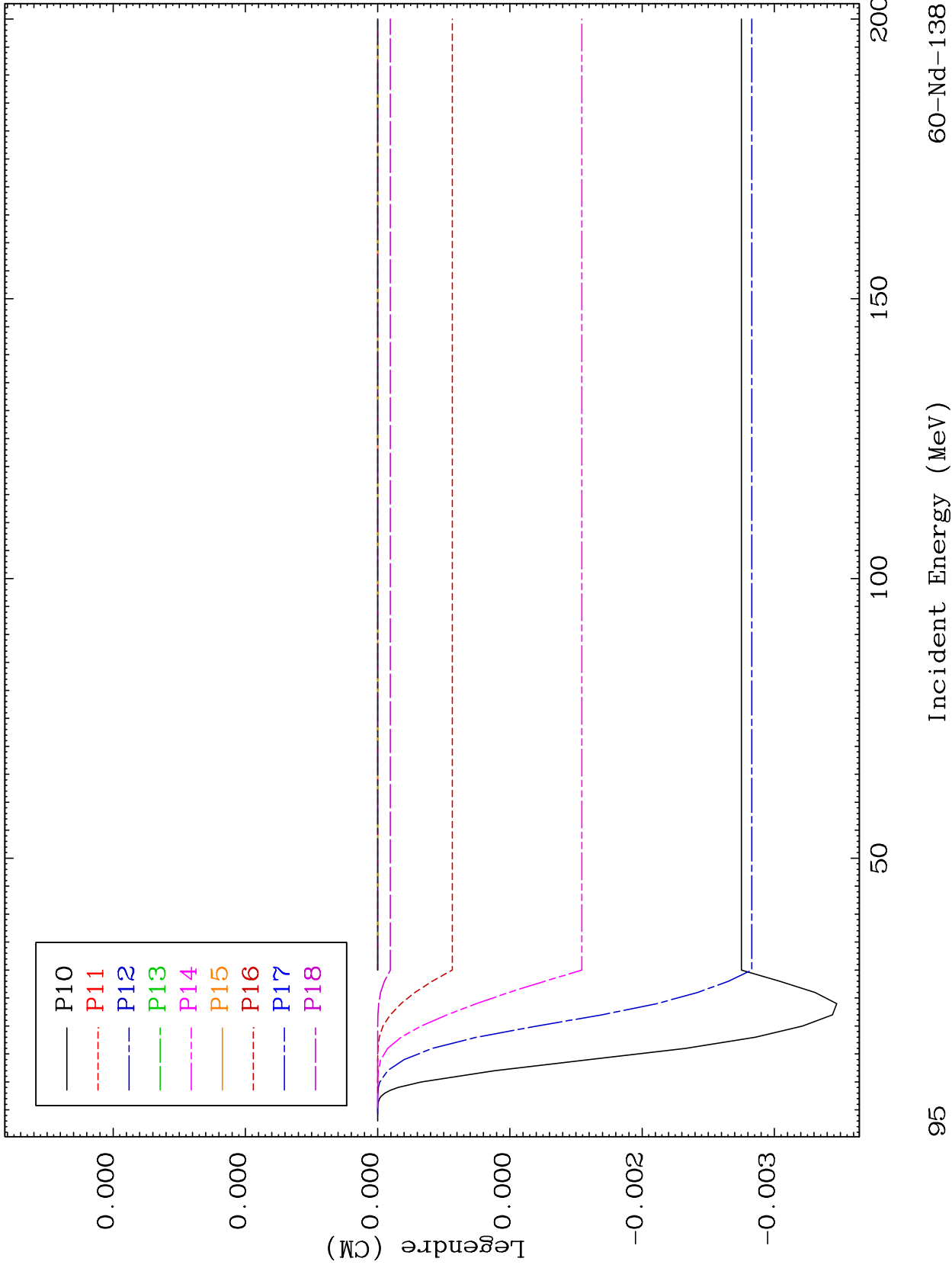
60-Nd-138



MAT 6013

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

60-Nd-138



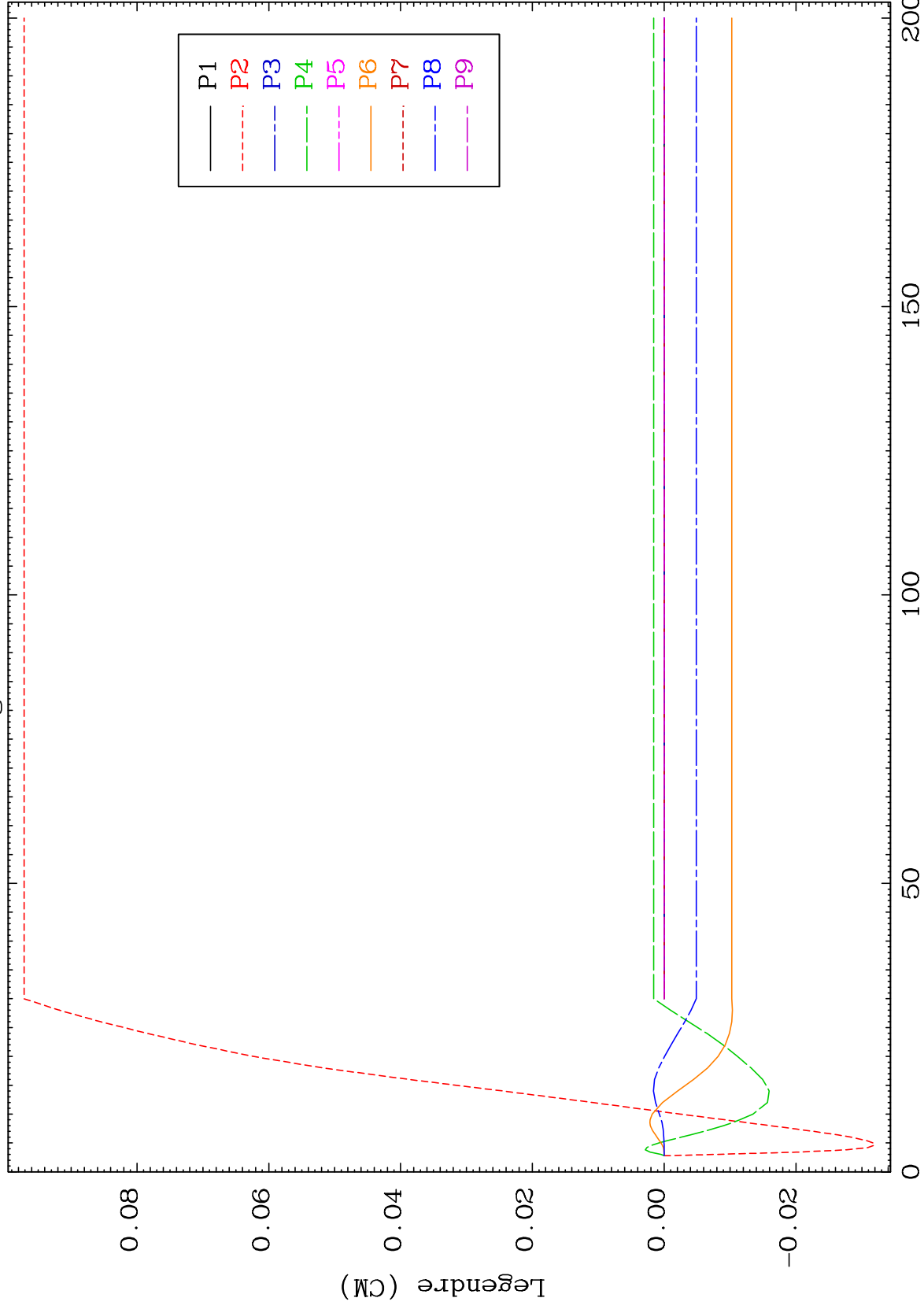




MAT 6013

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

60-Nd-138



97

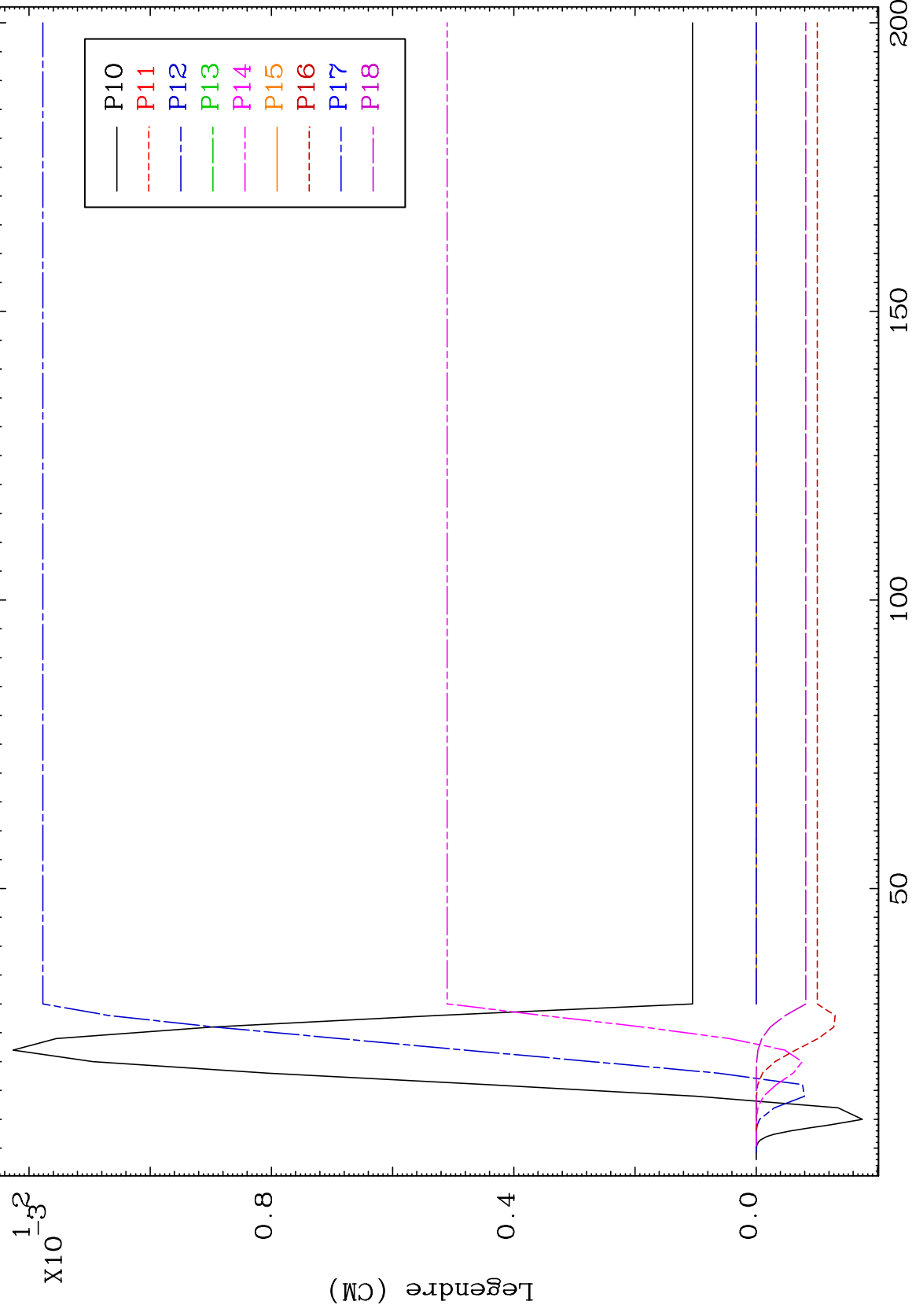
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

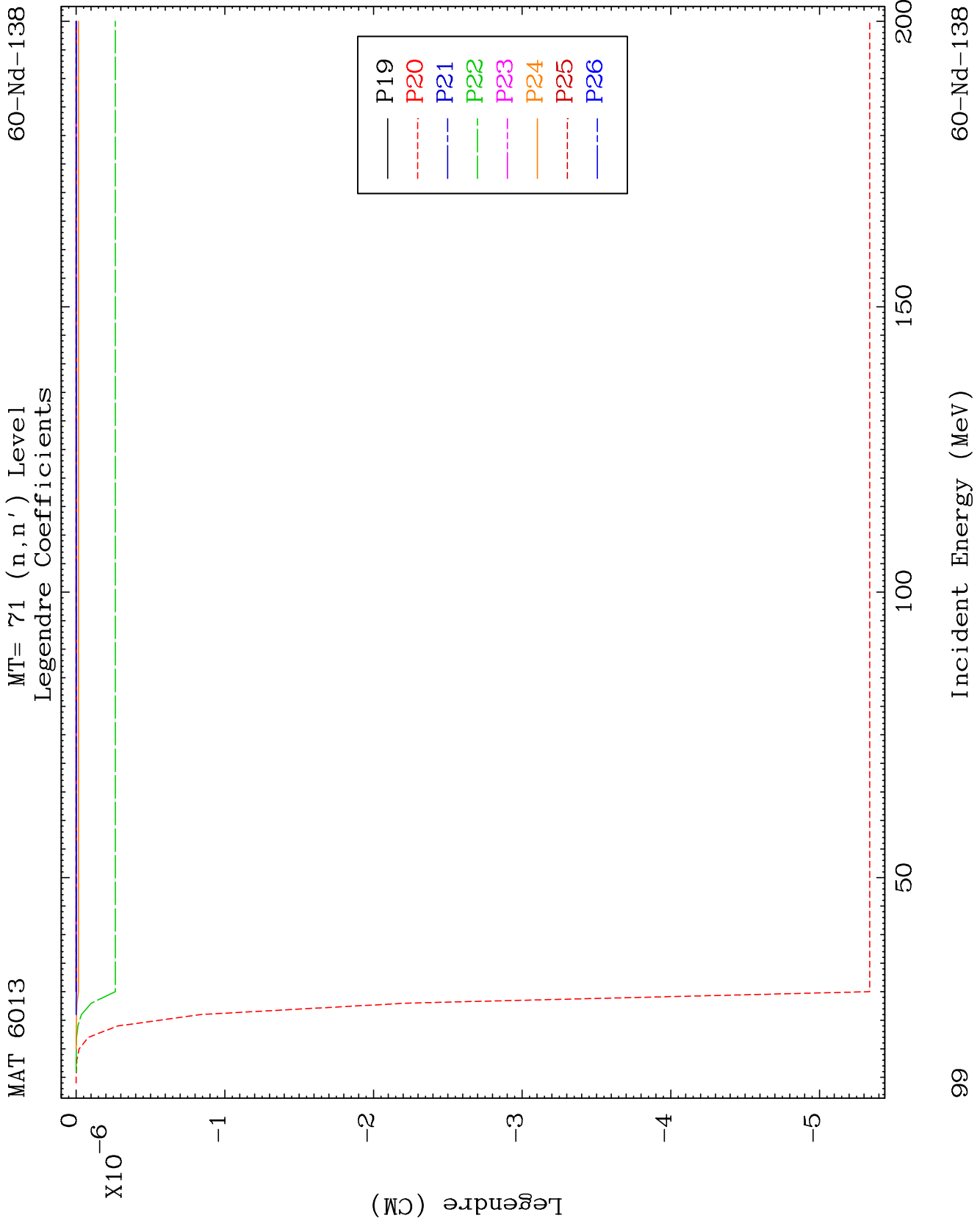
60-Nd-138



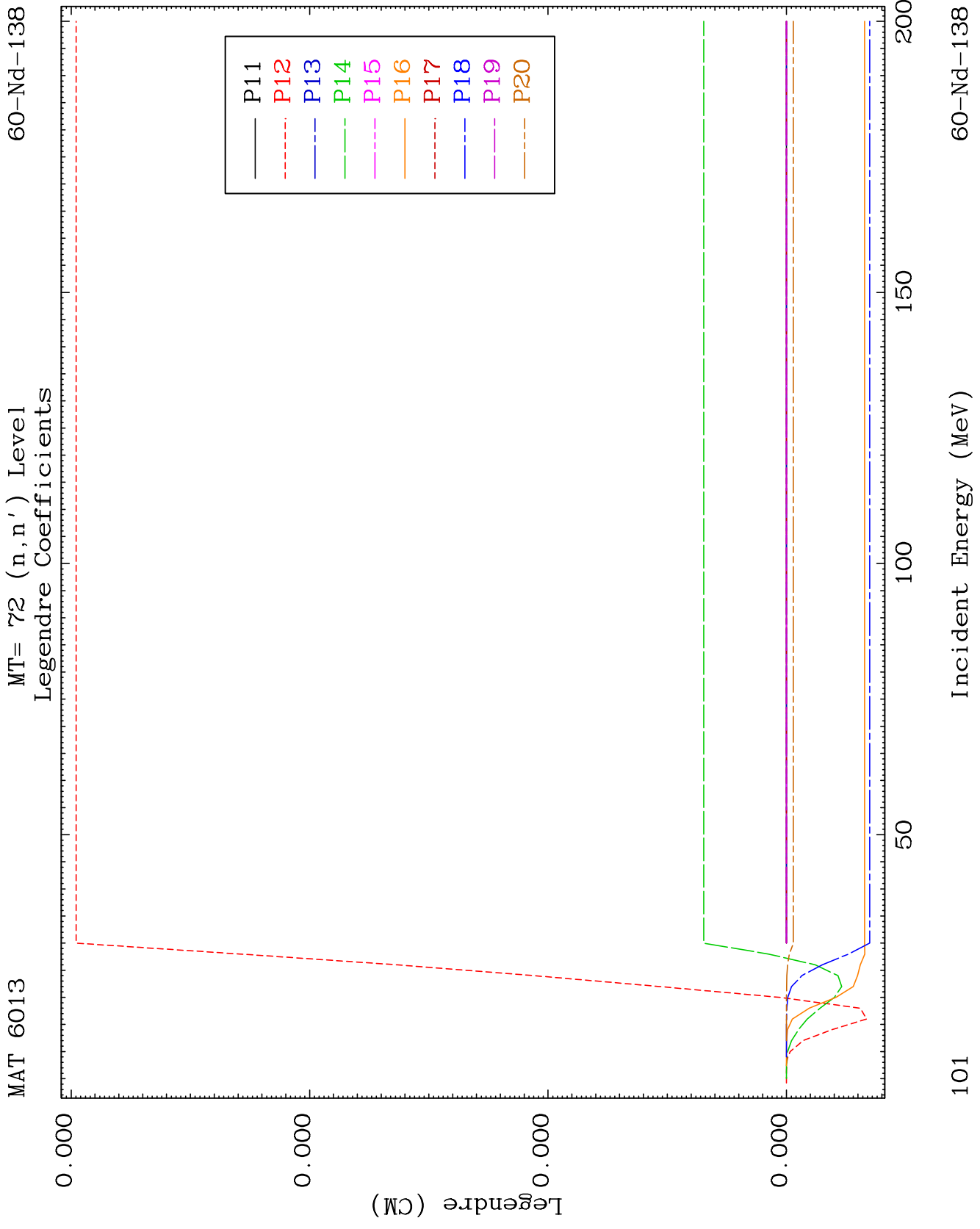
98

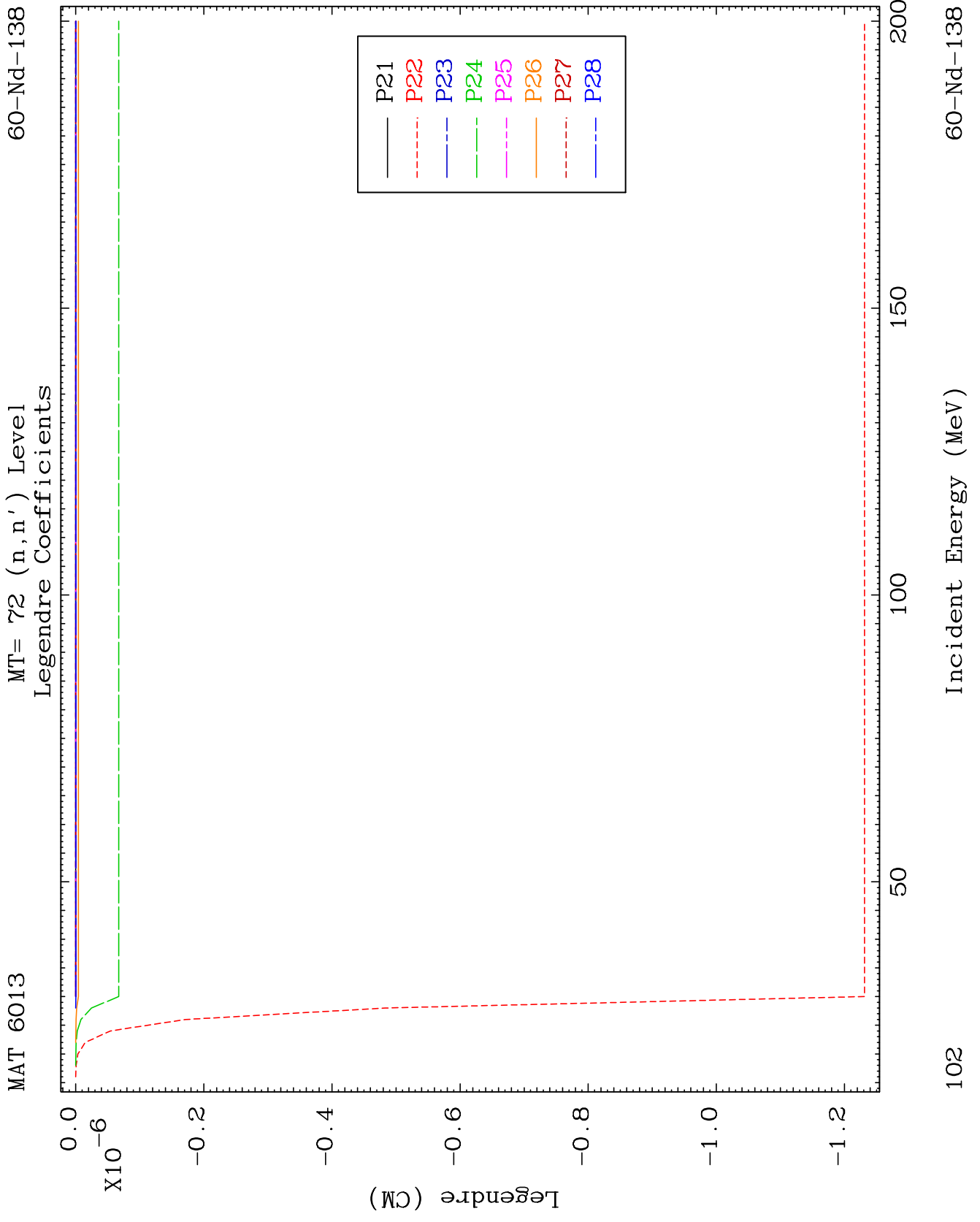
Incident Energy (MeV)

60-Nd-138





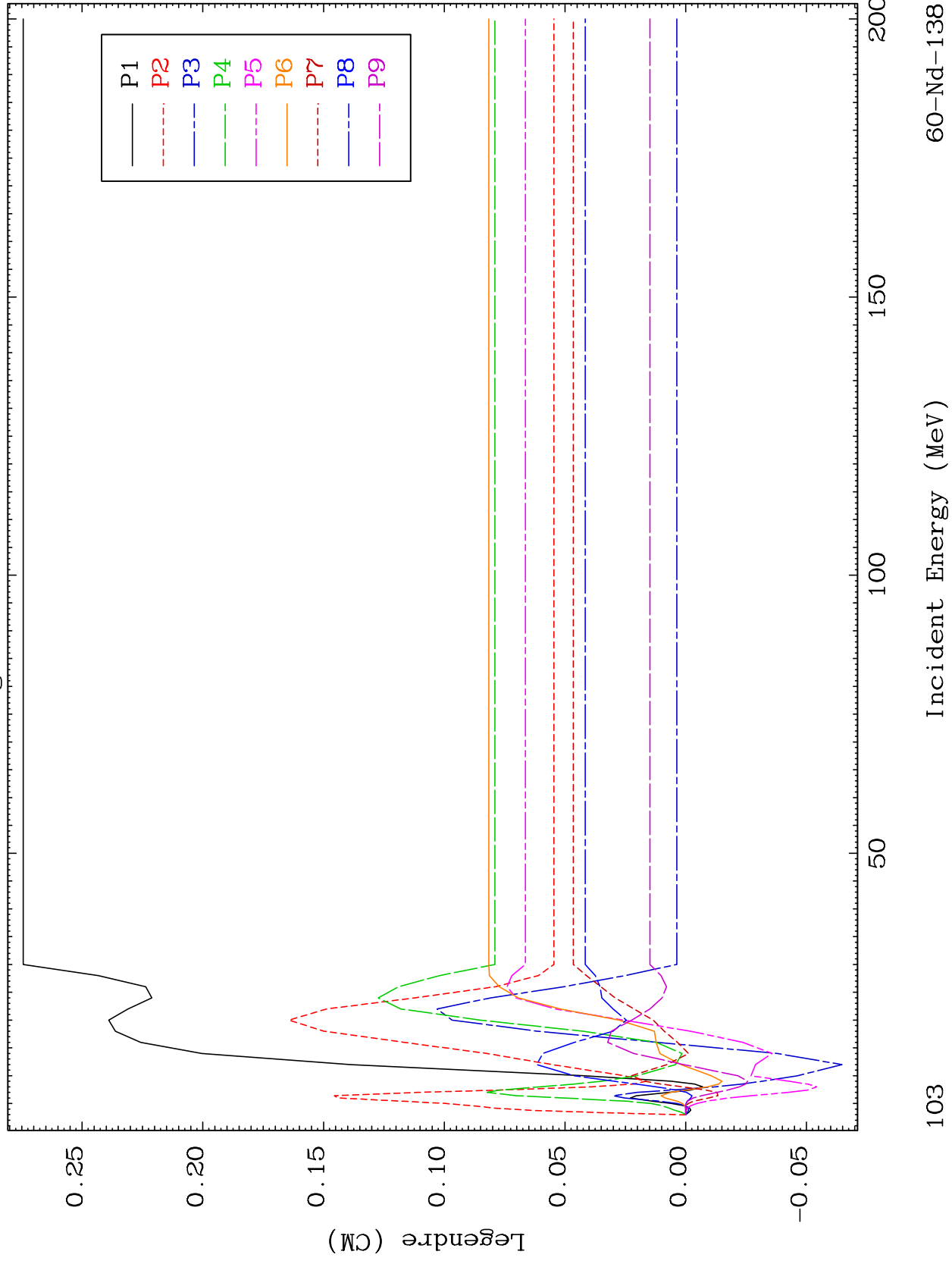




MAT 6013

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

60-Nd-138

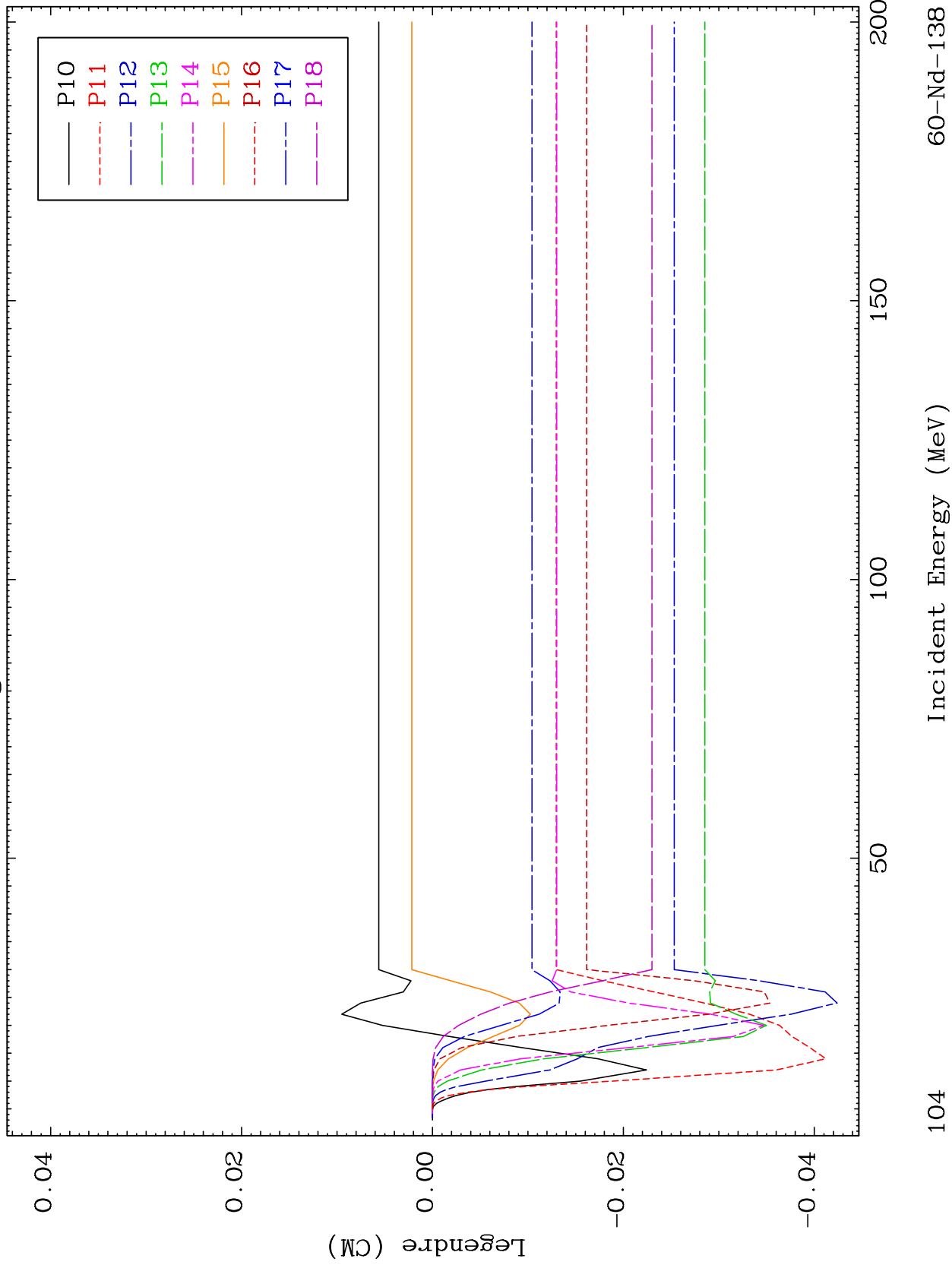




MAT 6013

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

60-Nd-138

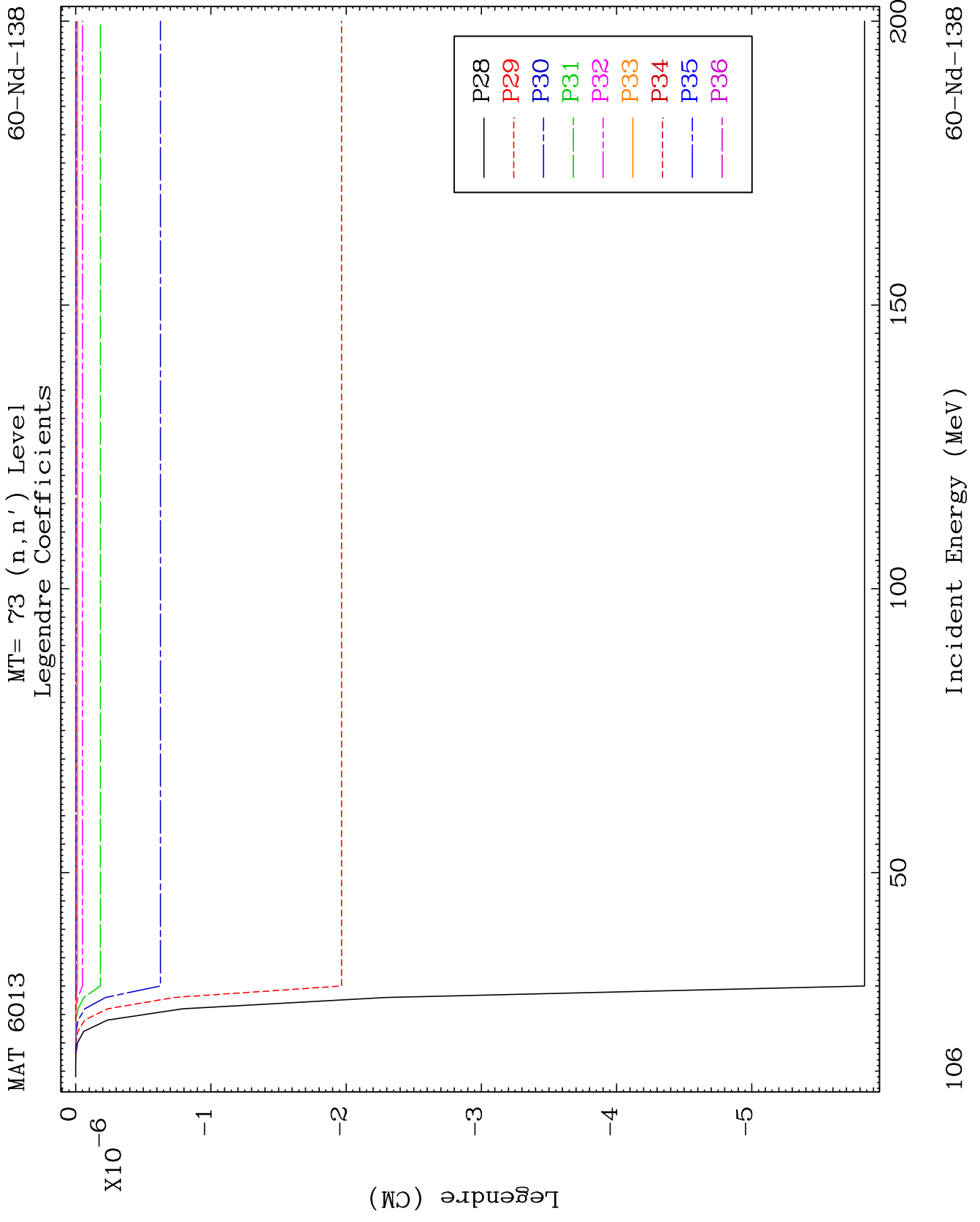


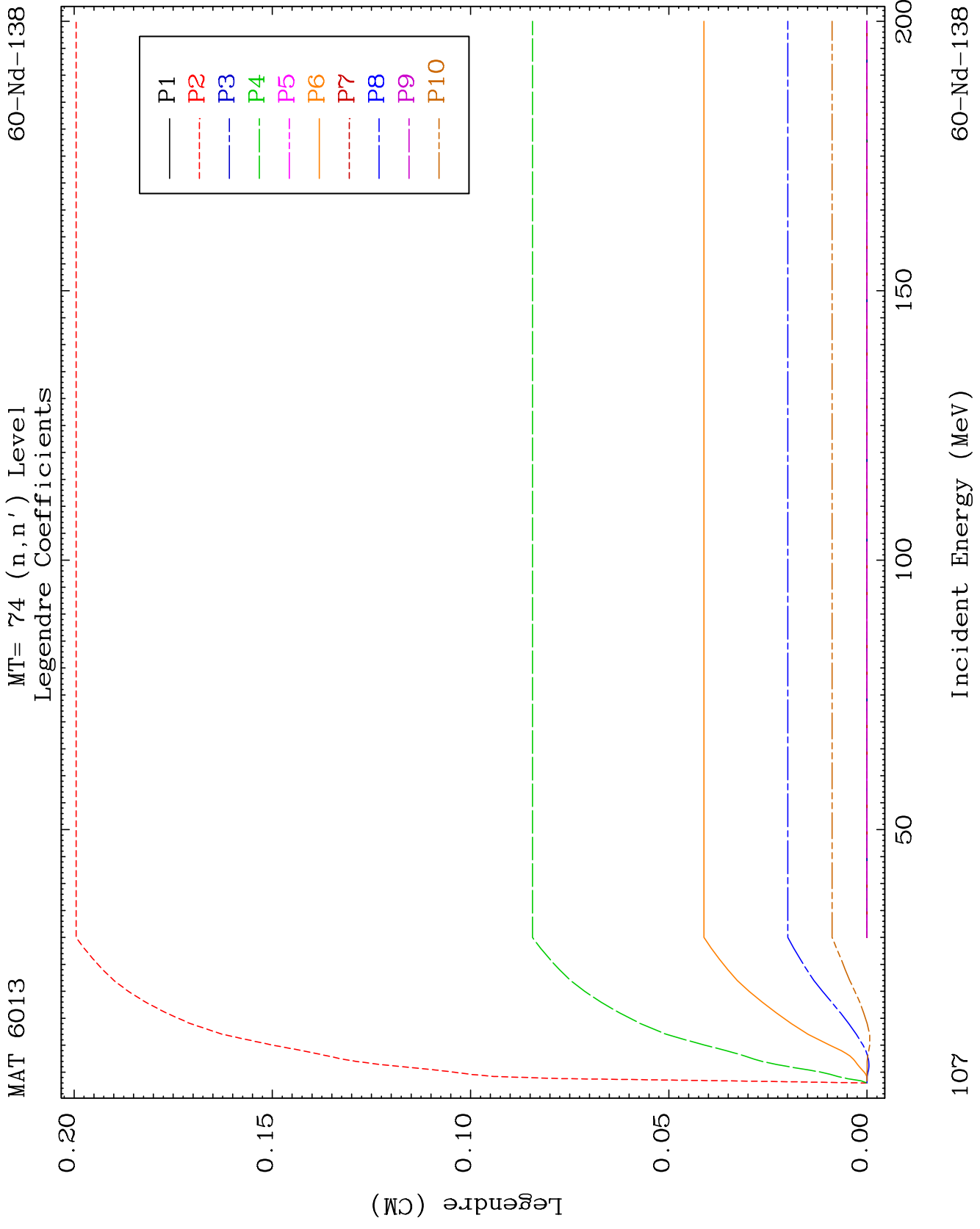
60-Nd-138

Incident Energy (MeV)

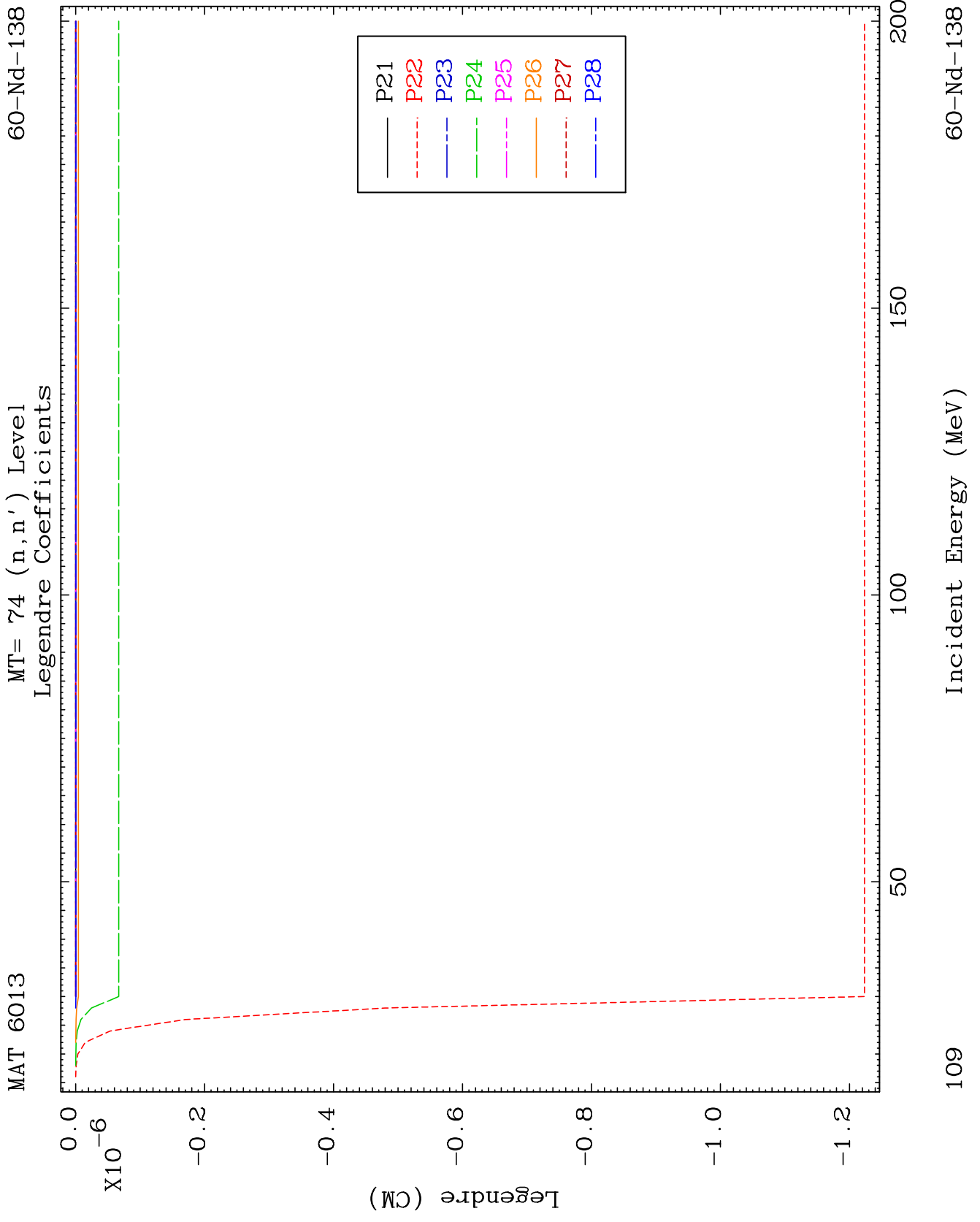
104



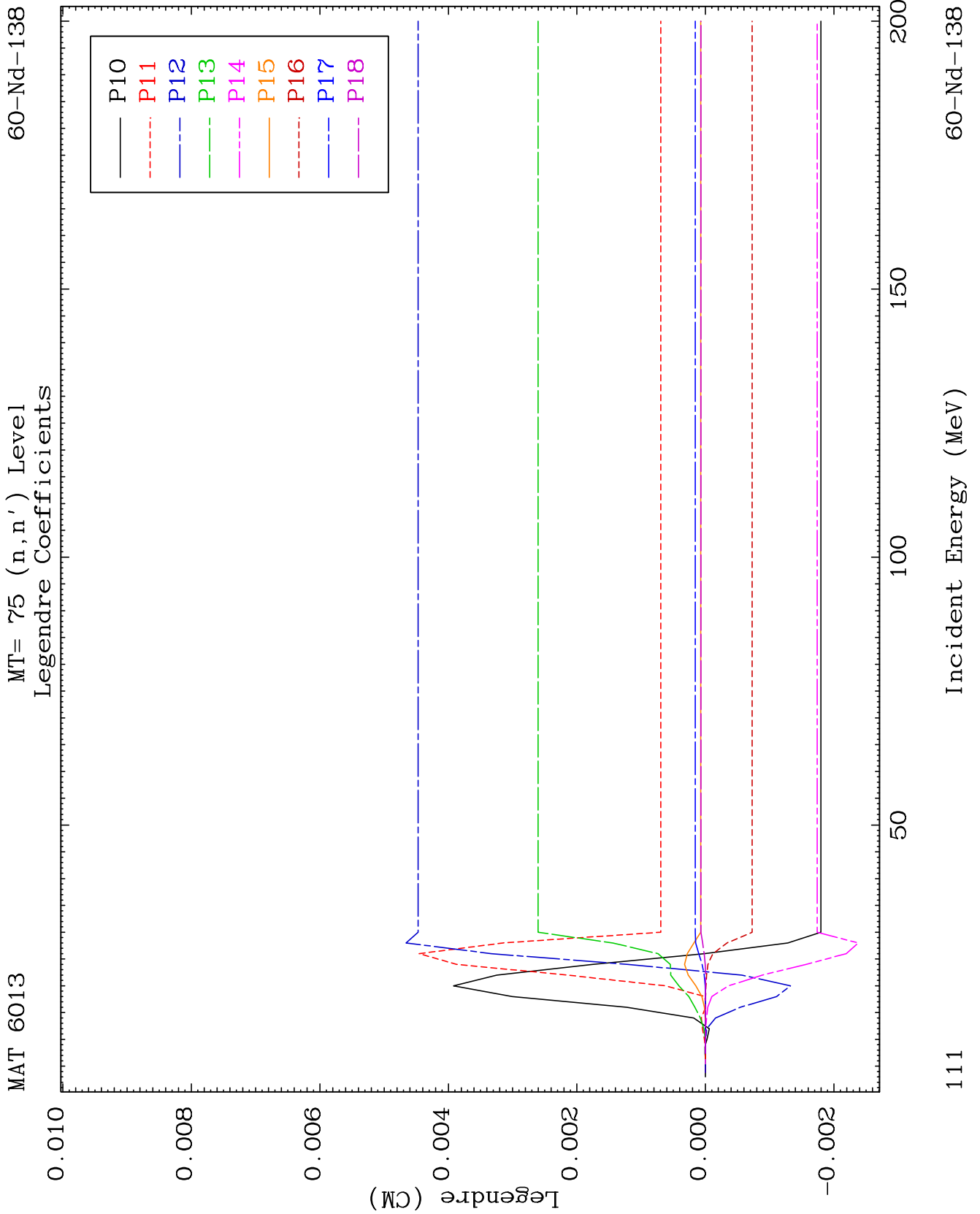










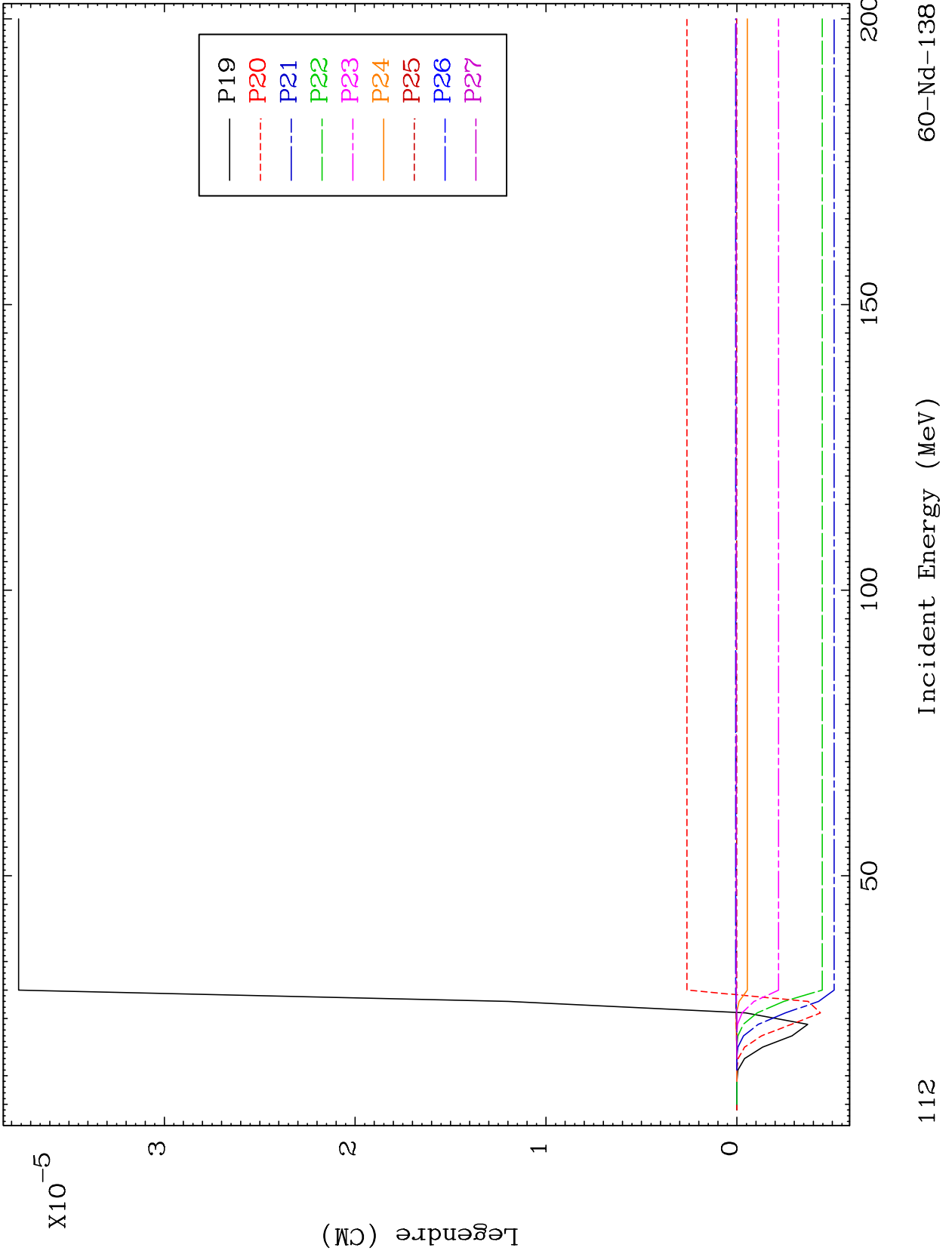




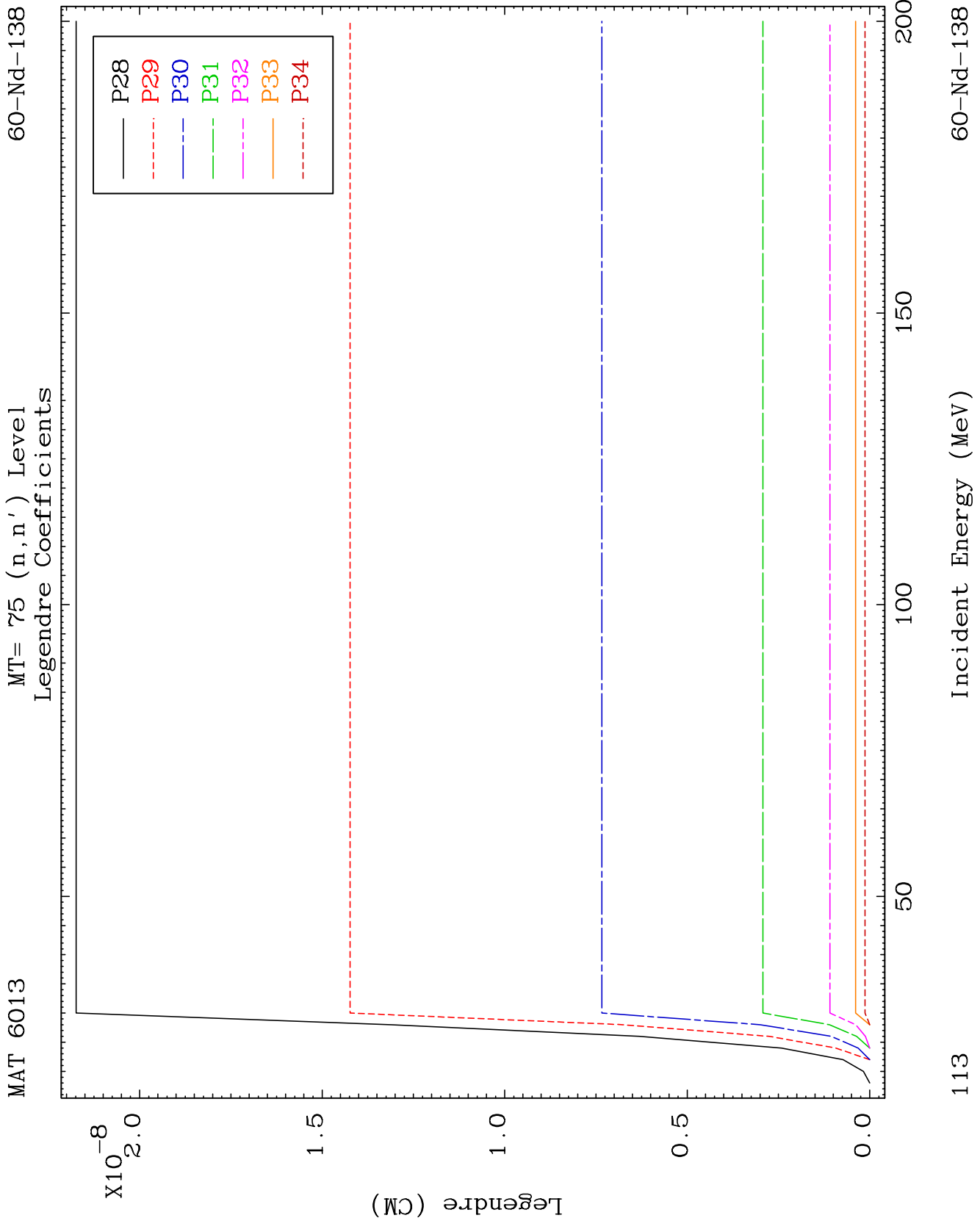
MAT 6013

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

60-Nd-138



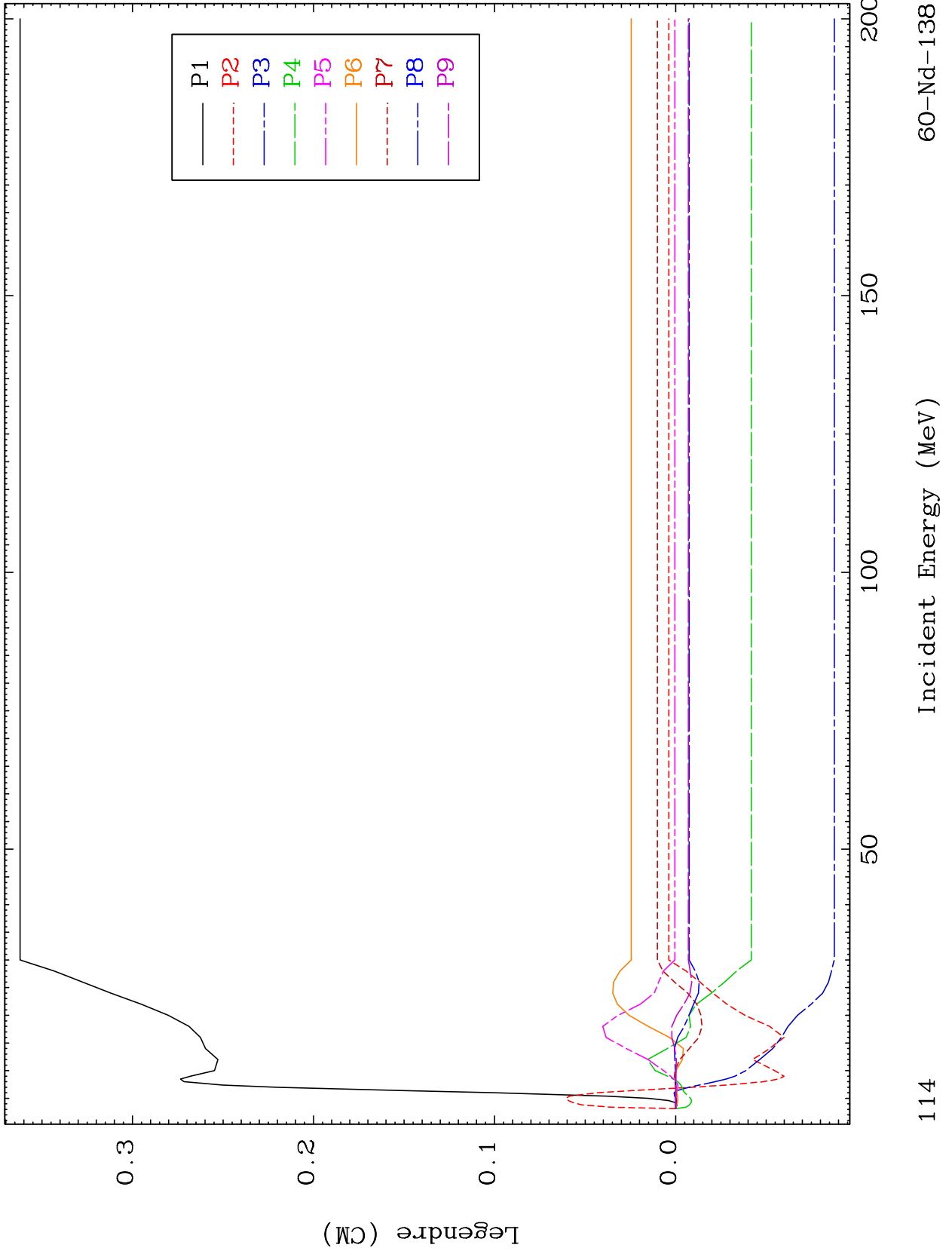
112

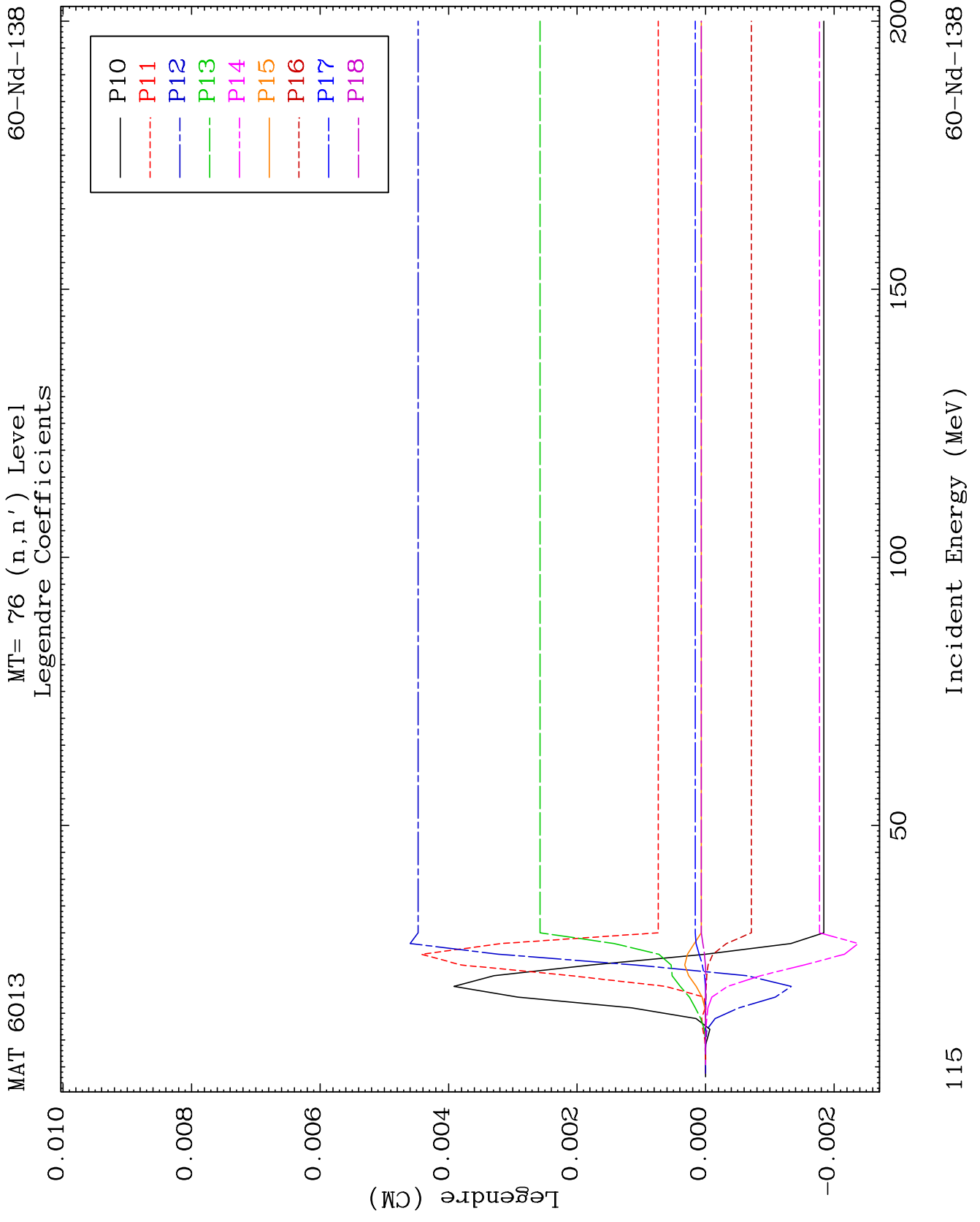


MAT 6013

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

60-Nd-138

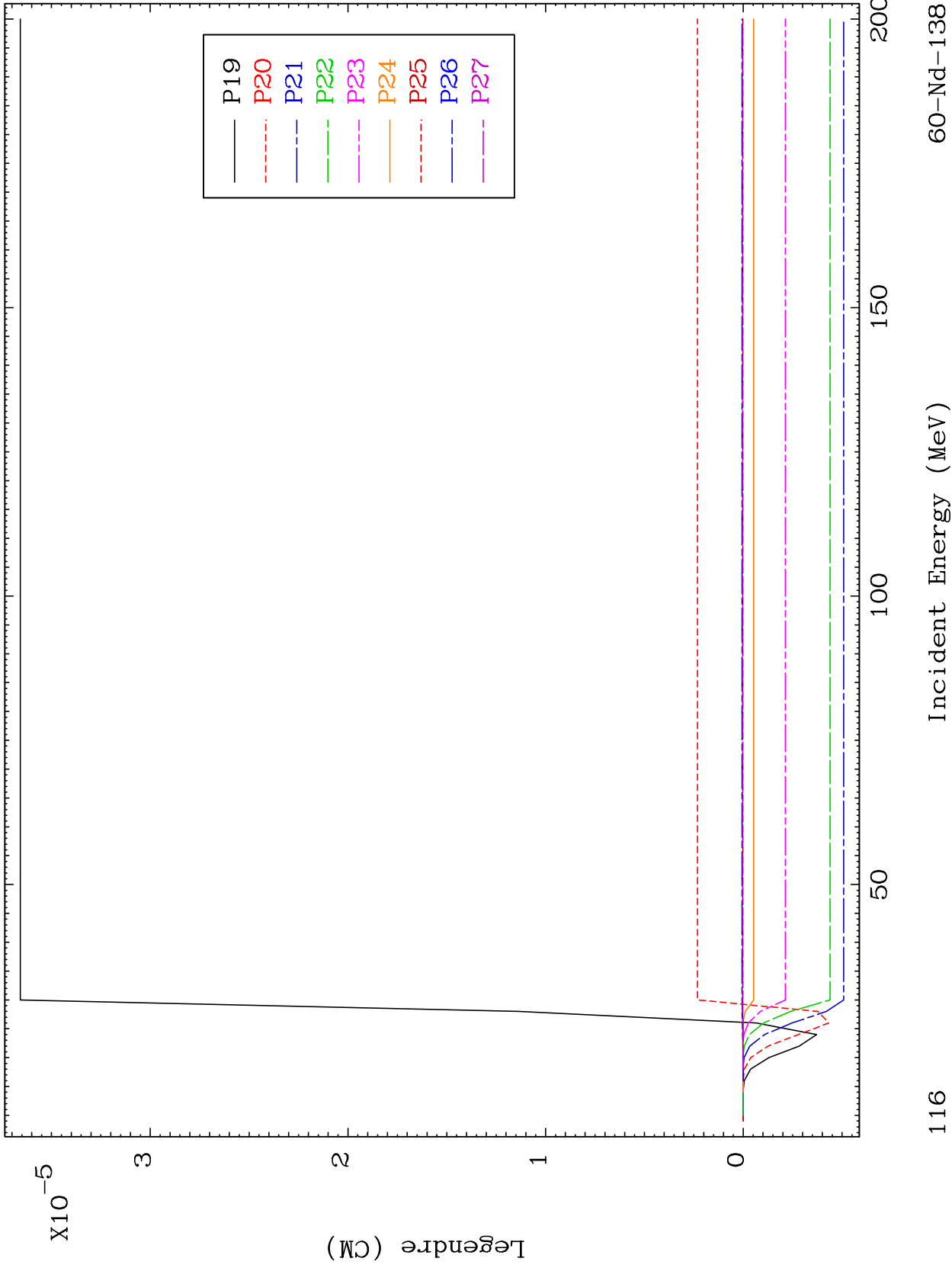




MAT 6013

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

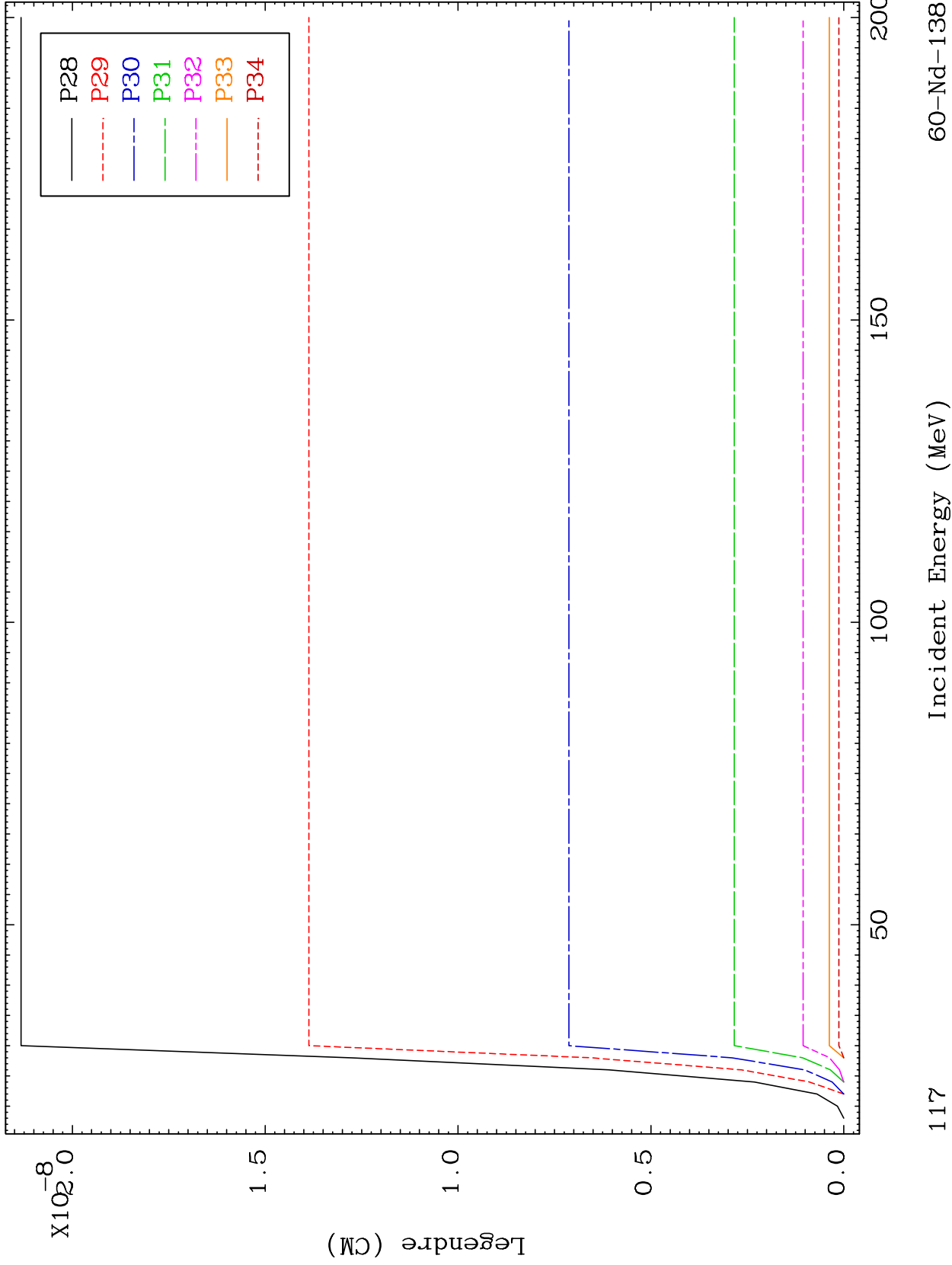
60-Nd-138



MAT 6013

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

60-Nd-138



117

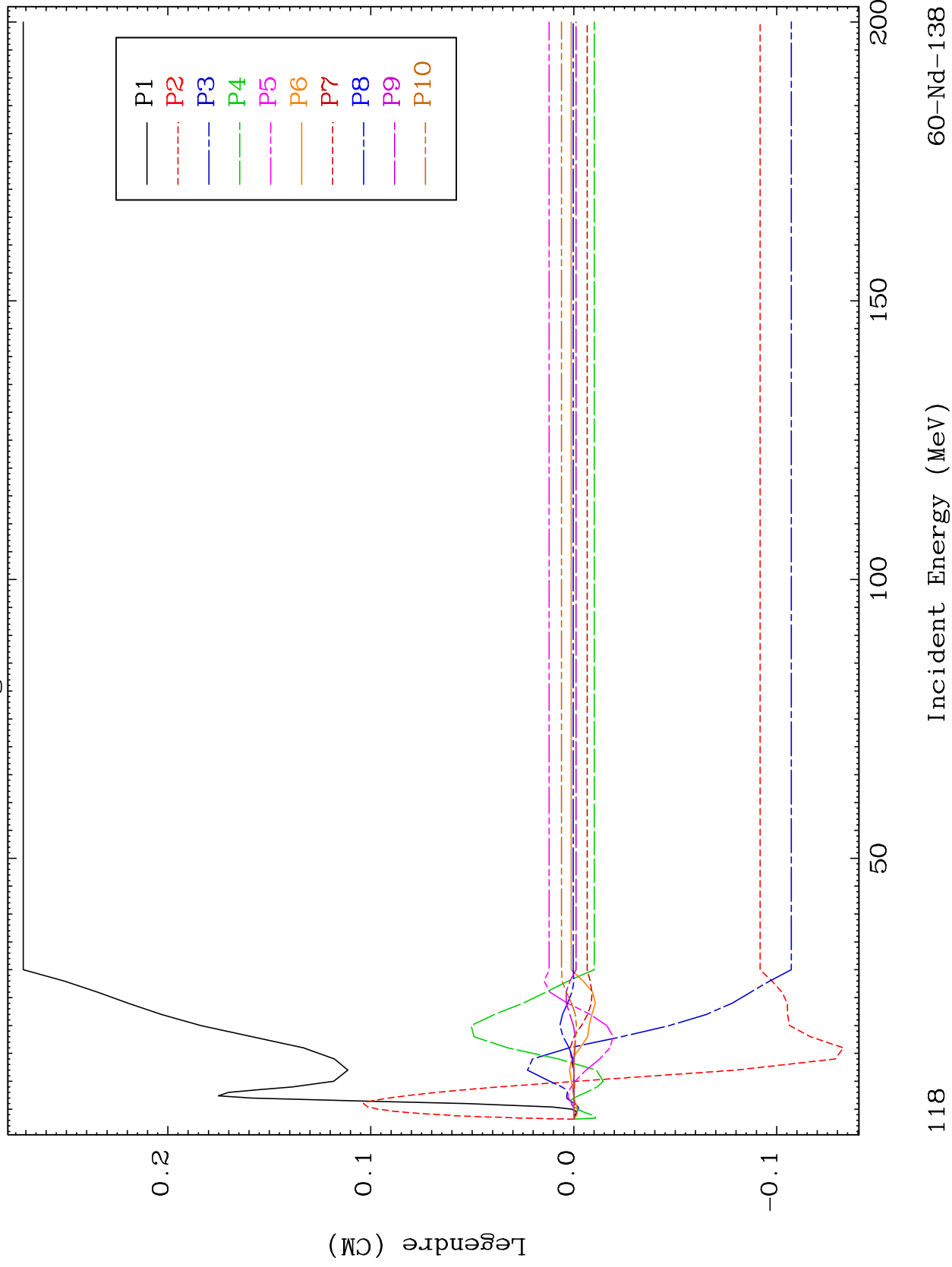
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

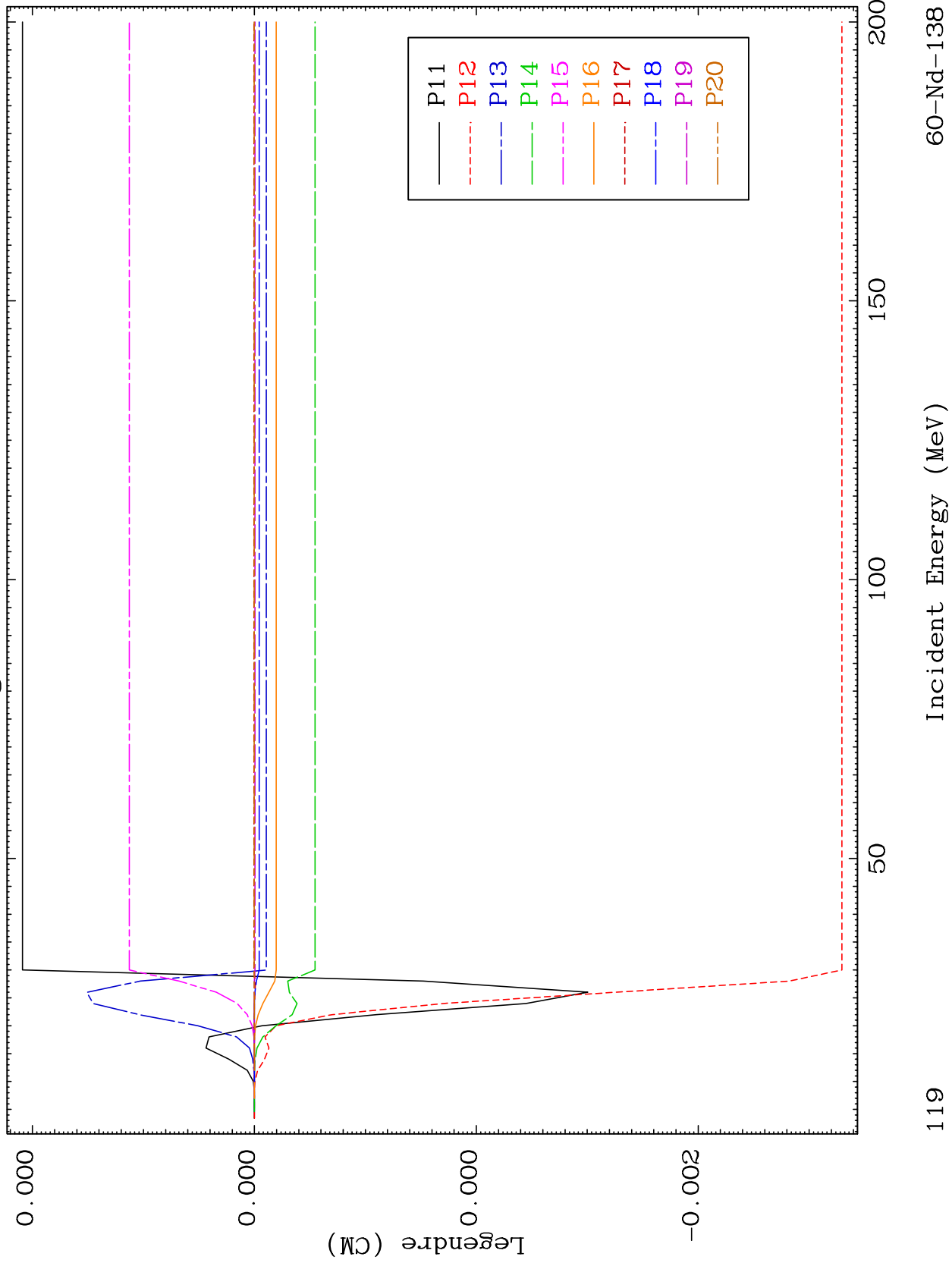
60-Nd-138



MAT 6013

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

60-Nd-138



119

Incident Energy (MeV)

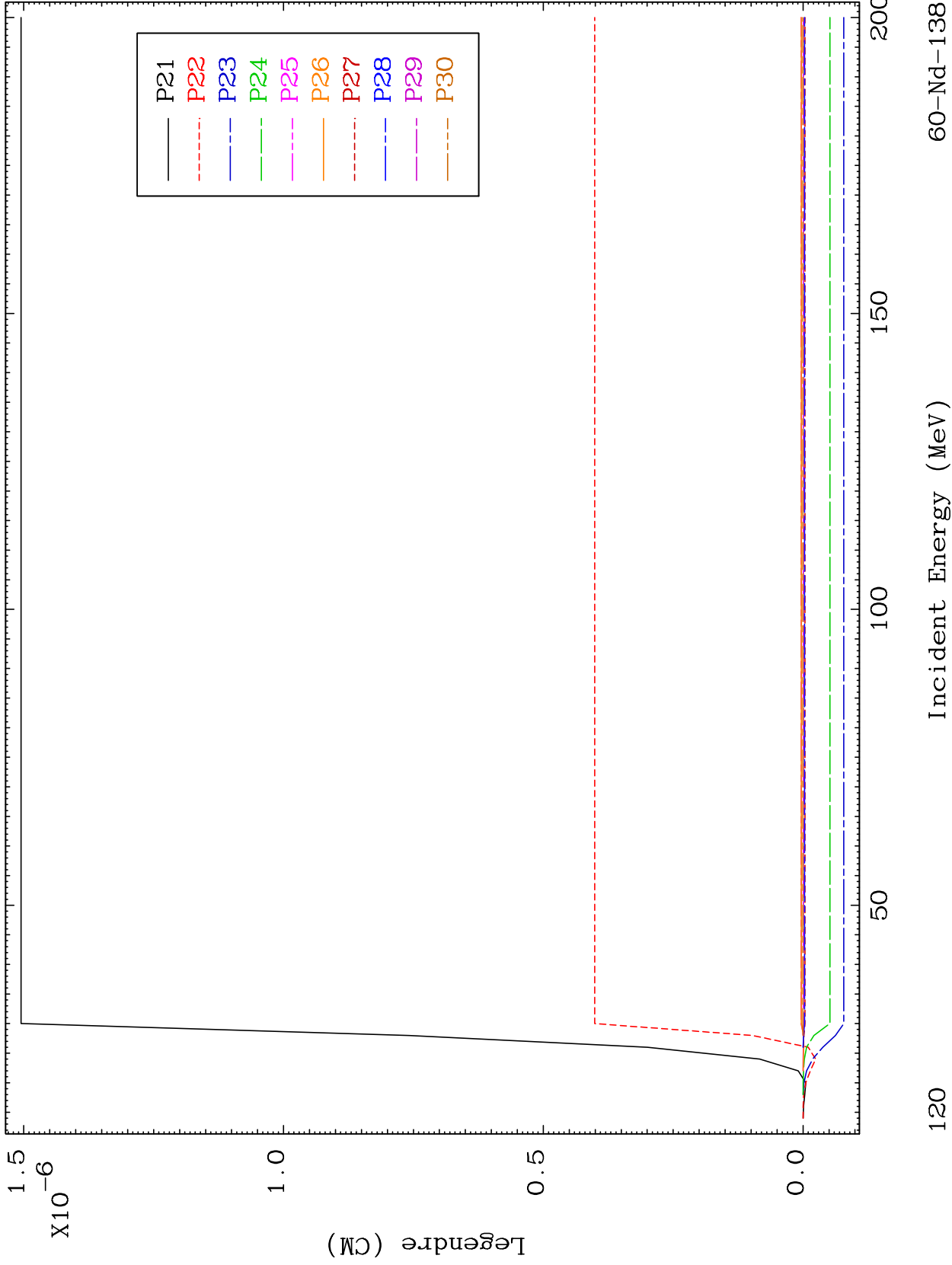
60-Nd-138



MAT 6013

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

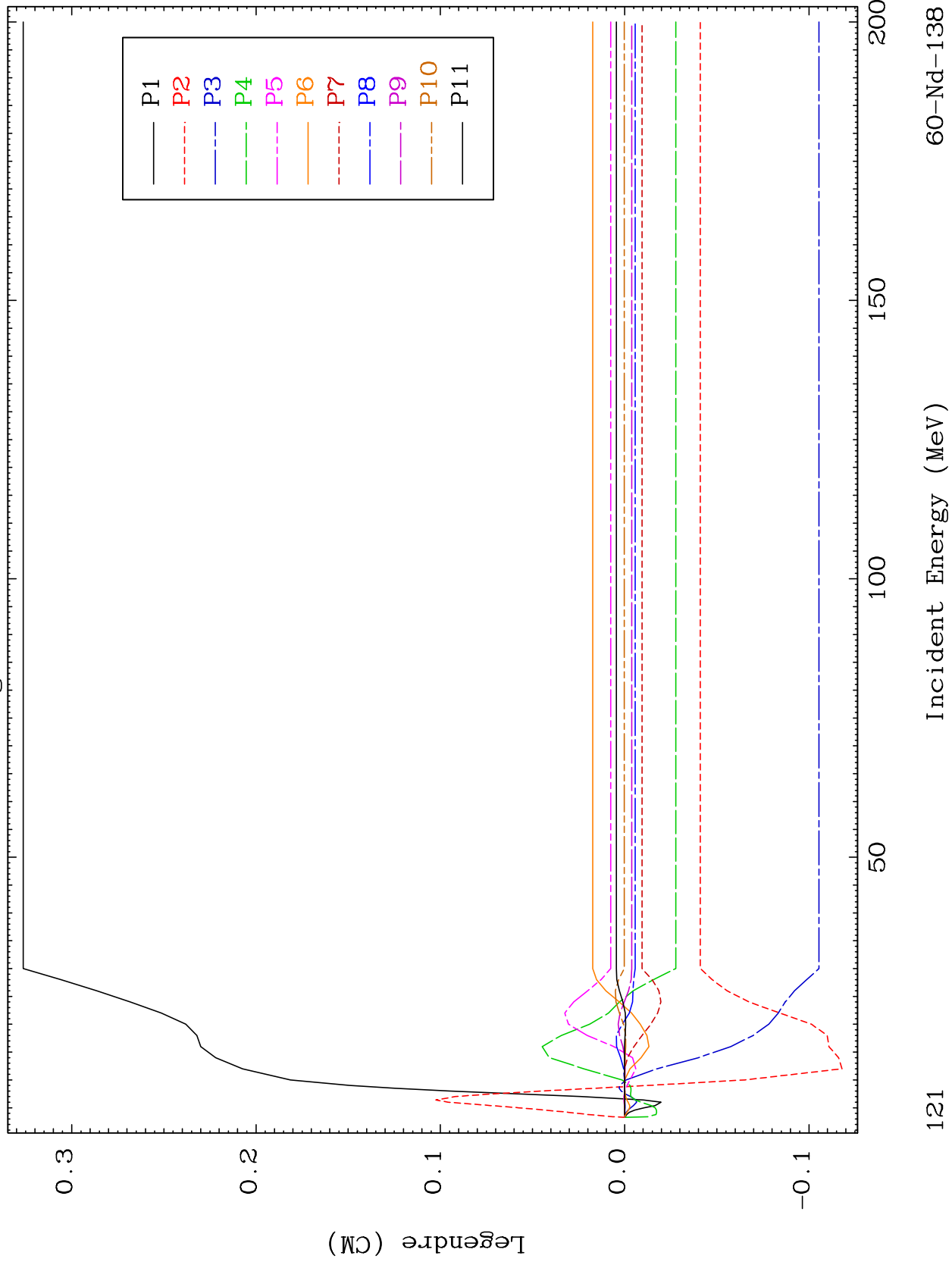
60-Nd-138



MAT 6013

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

60-Nd-138



121

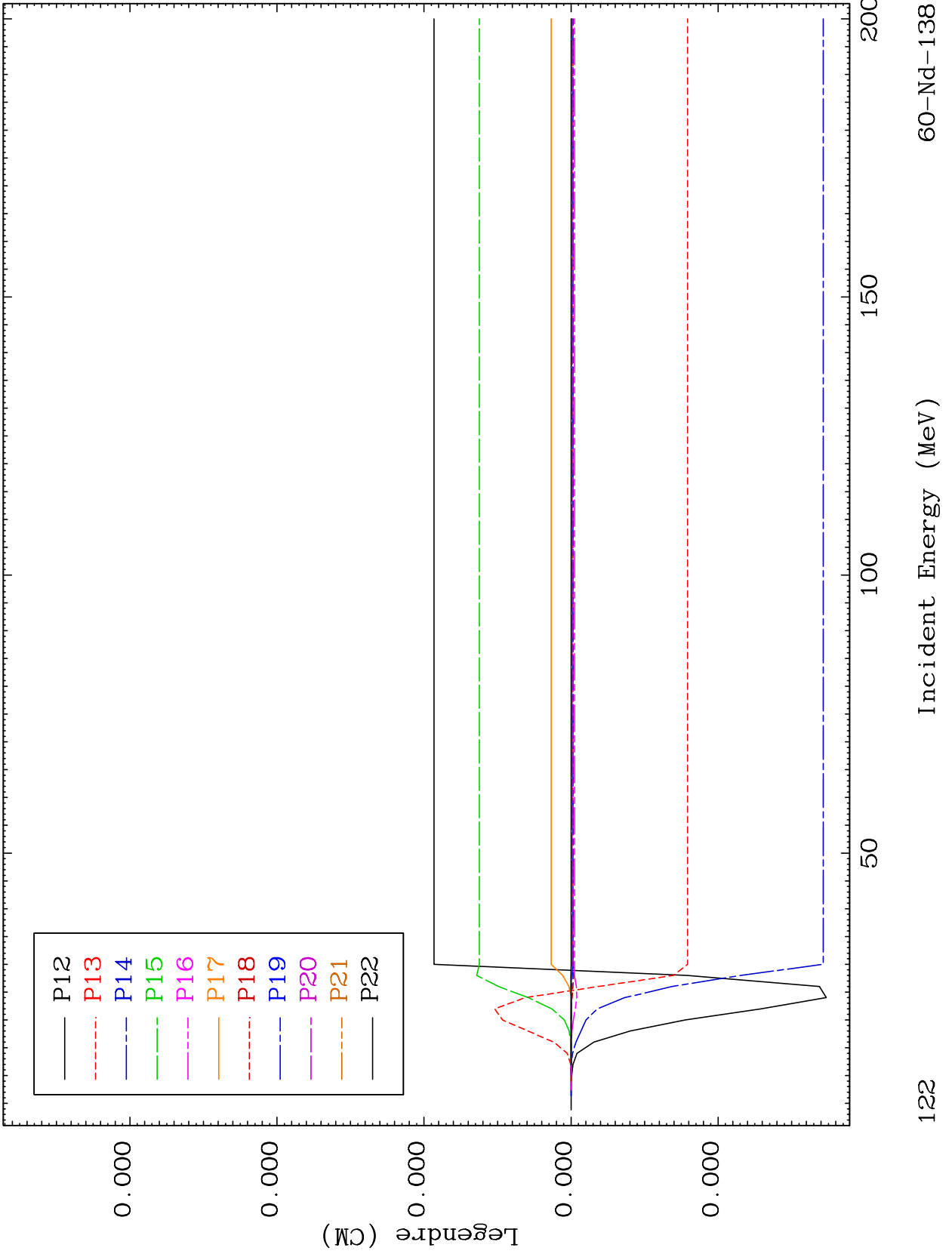
Incident Energy (MeV)

60-Nd-138

MAT 6013

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

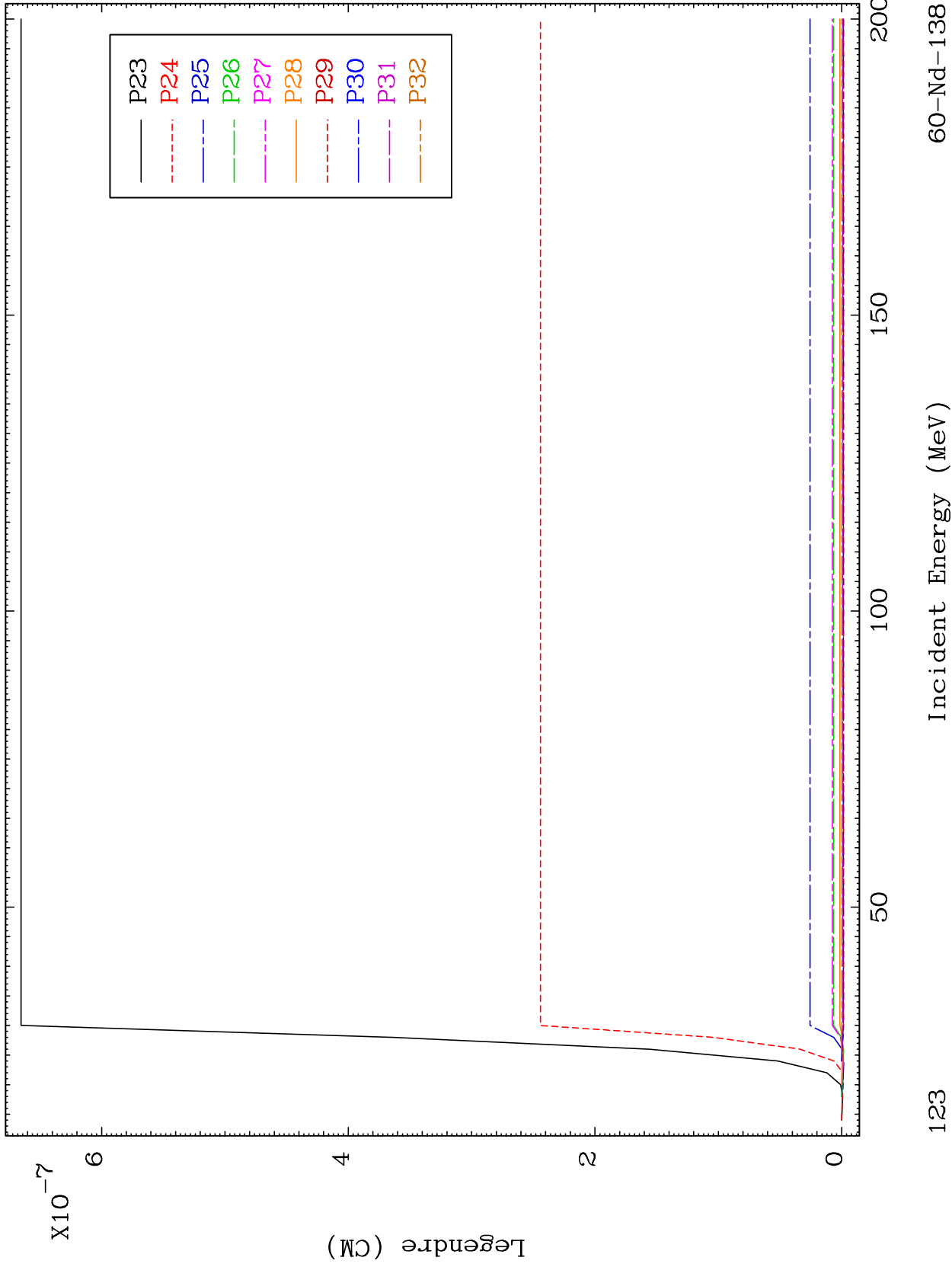
60-Nd-138



MAT 6013

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

60-Nd-138



123

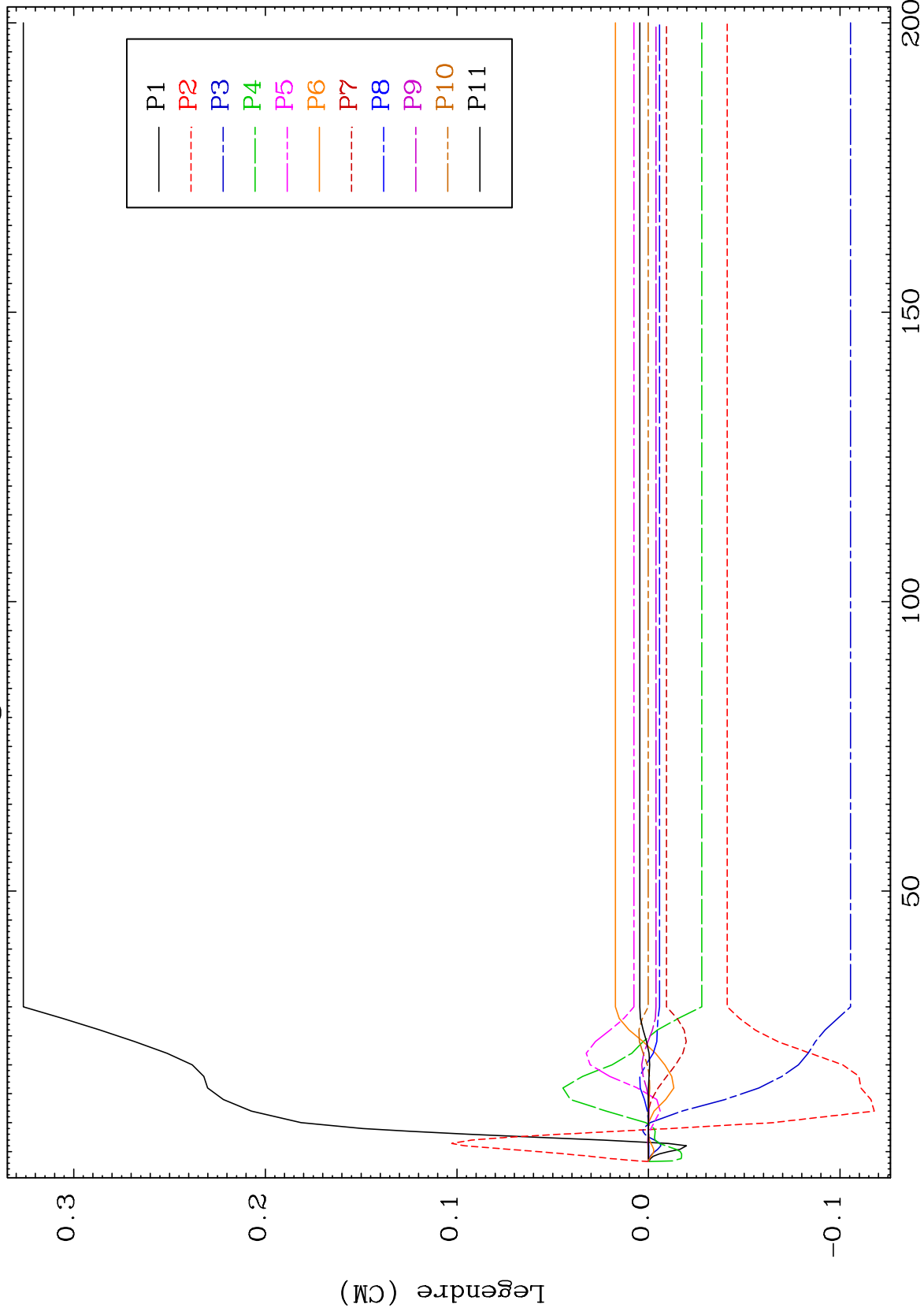
Incident Energy (MeV)

60-Nd-138

MAT 6013

MT= 79 (n,n') Level  
Legendre Coefficients

60-Nd-138



124

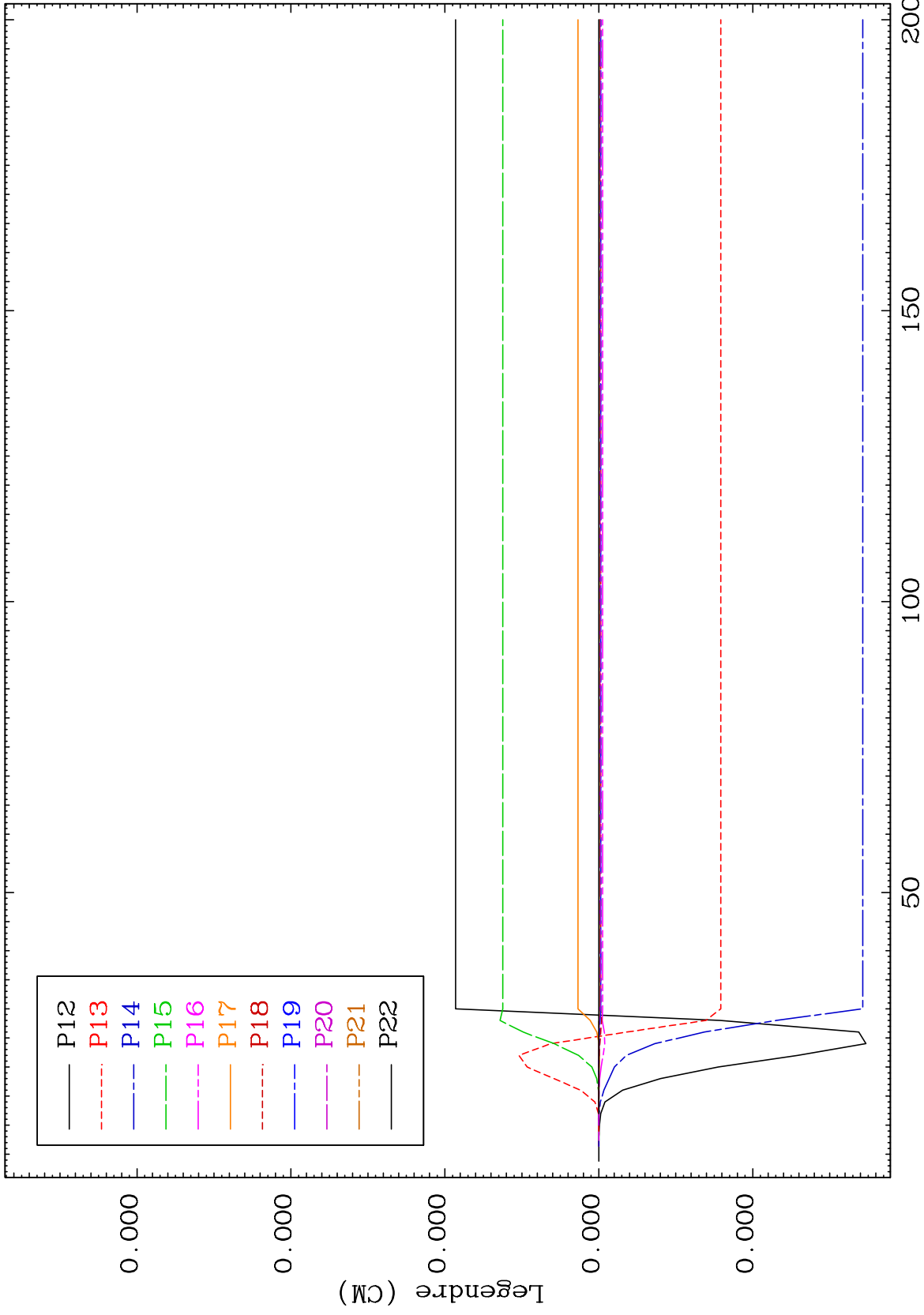
Incident Energy (MeV)

60-Nd-138

MAT 6013

MT= 79 (n,n') Level  
Legendre Coefficients

60-Nd-138



125

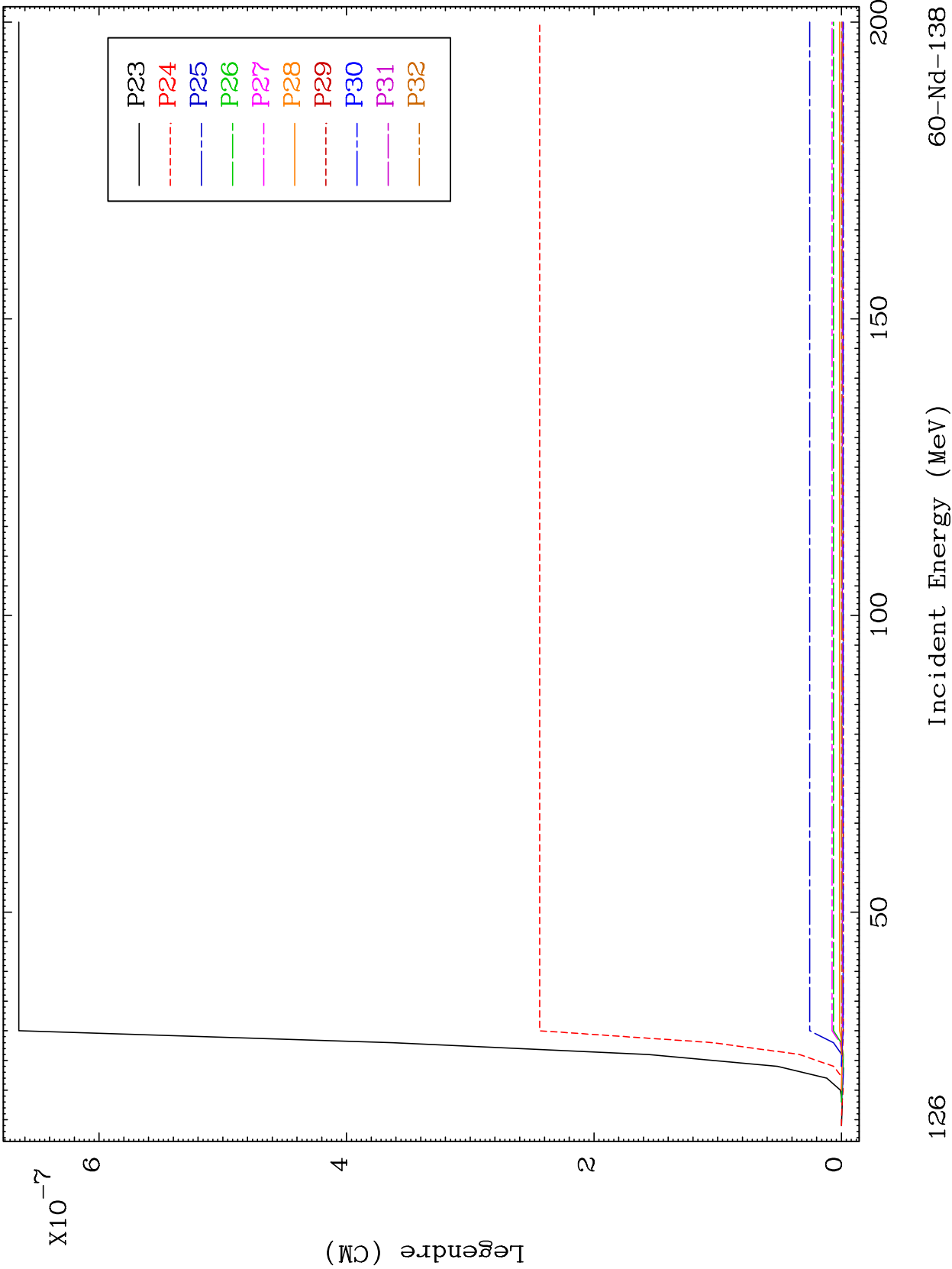
Incident Energy (MeV)

60-Nd-138

MAT 6013

MT= 79 (n,n') Level  
Legendre Coefficients

60-Nd-138



126

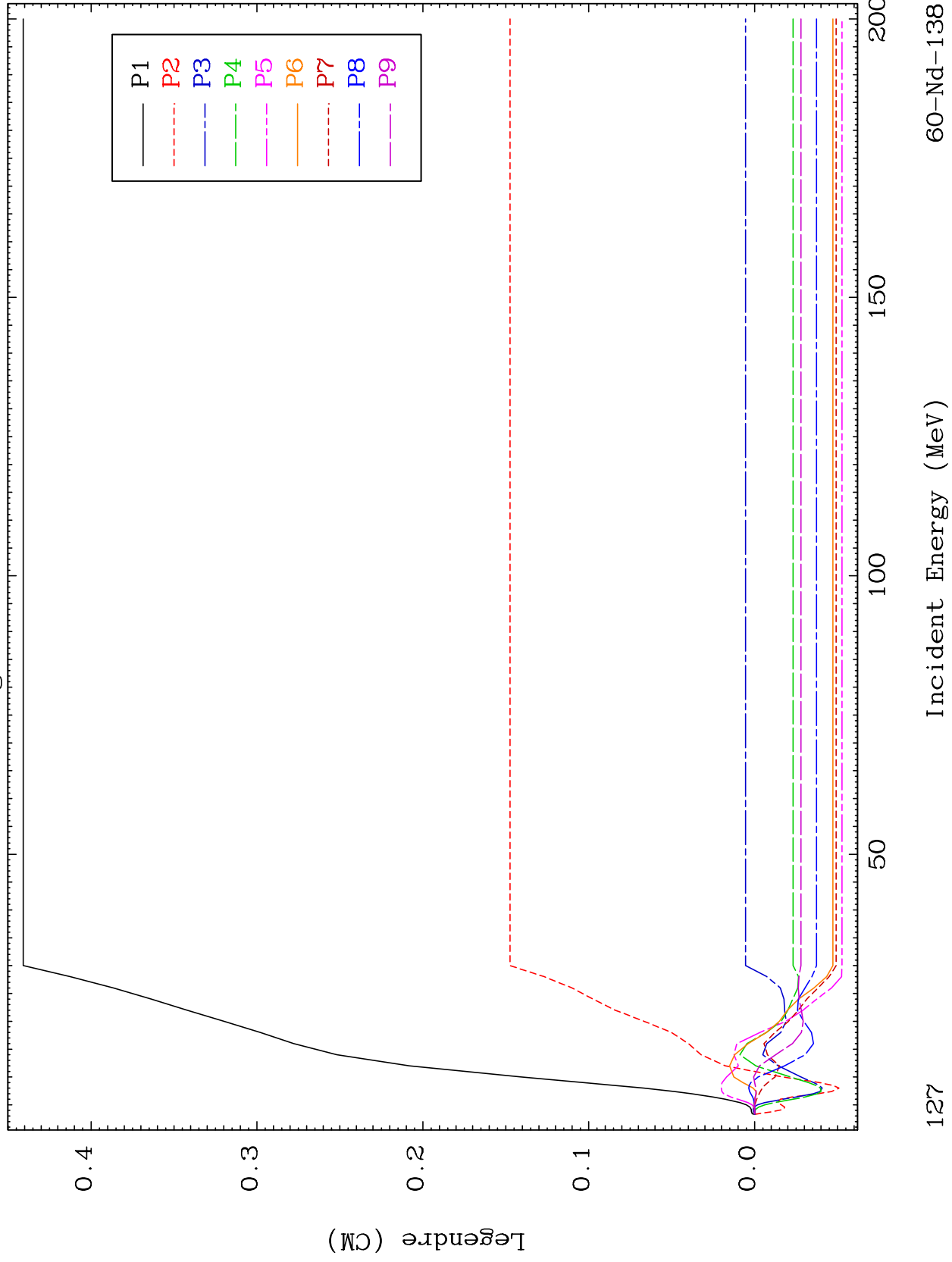
Incident Energy (MeV)

60-Nd-138

MAT 6013

MT= 80 (n,n') Level  
Legendre Coefficients

60-Nd-138

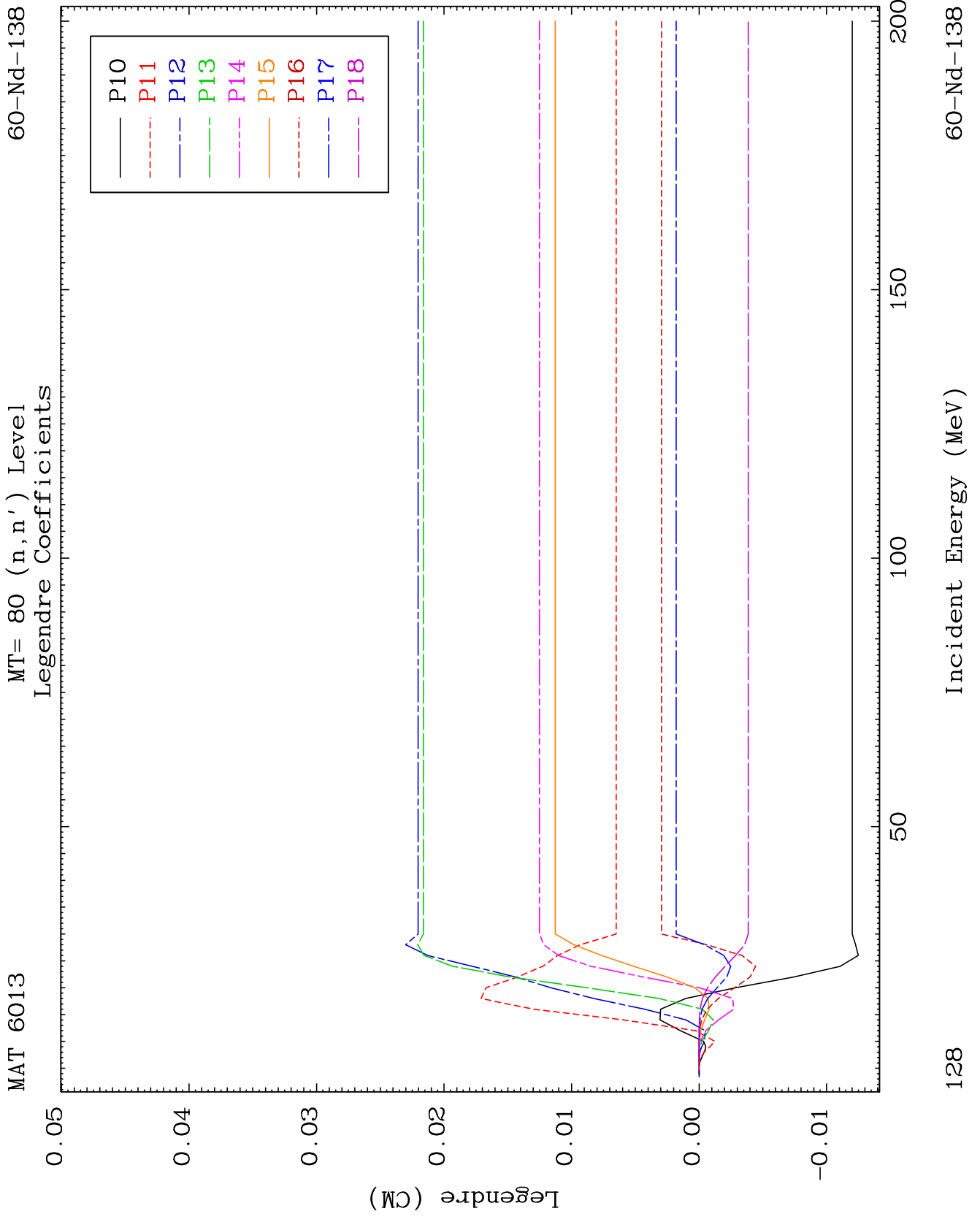


127

Incident Energy (MeV)

60-Nd-138

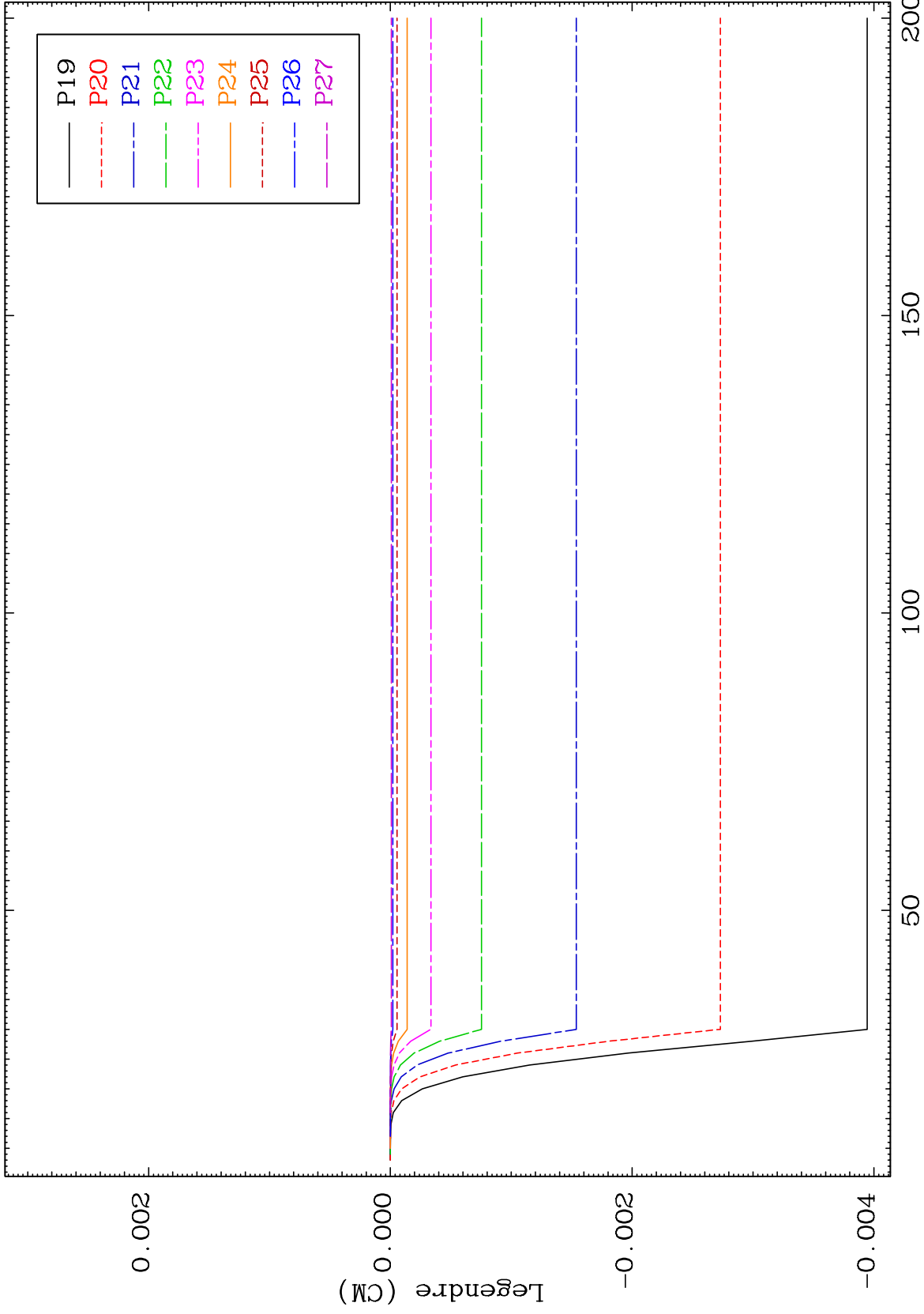




MAT 6013

MT= 80 (n,n') Level  
Legendre Coefficients

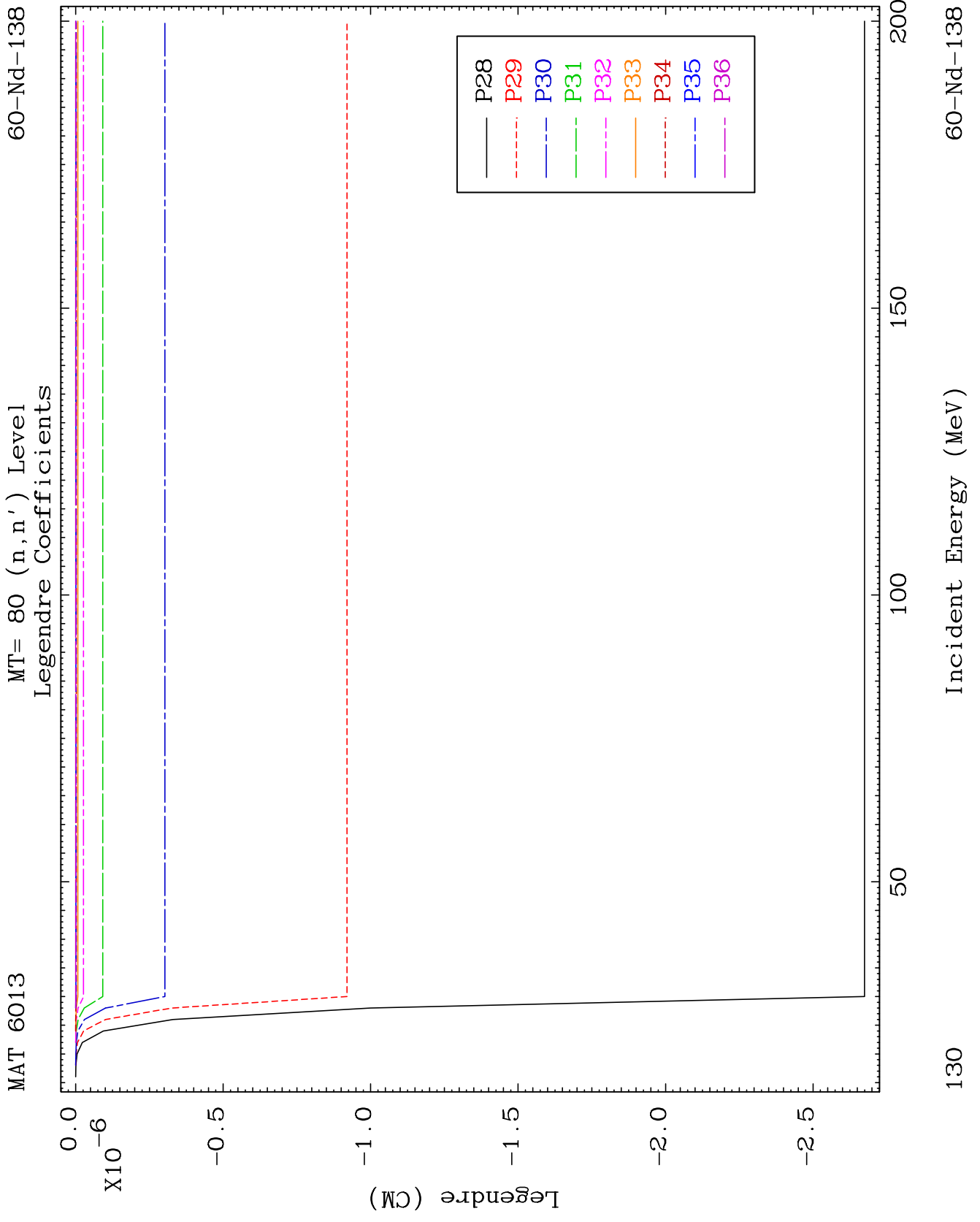
60-Nd-138



129

Incident Energy (MeV)

60-Nd-138

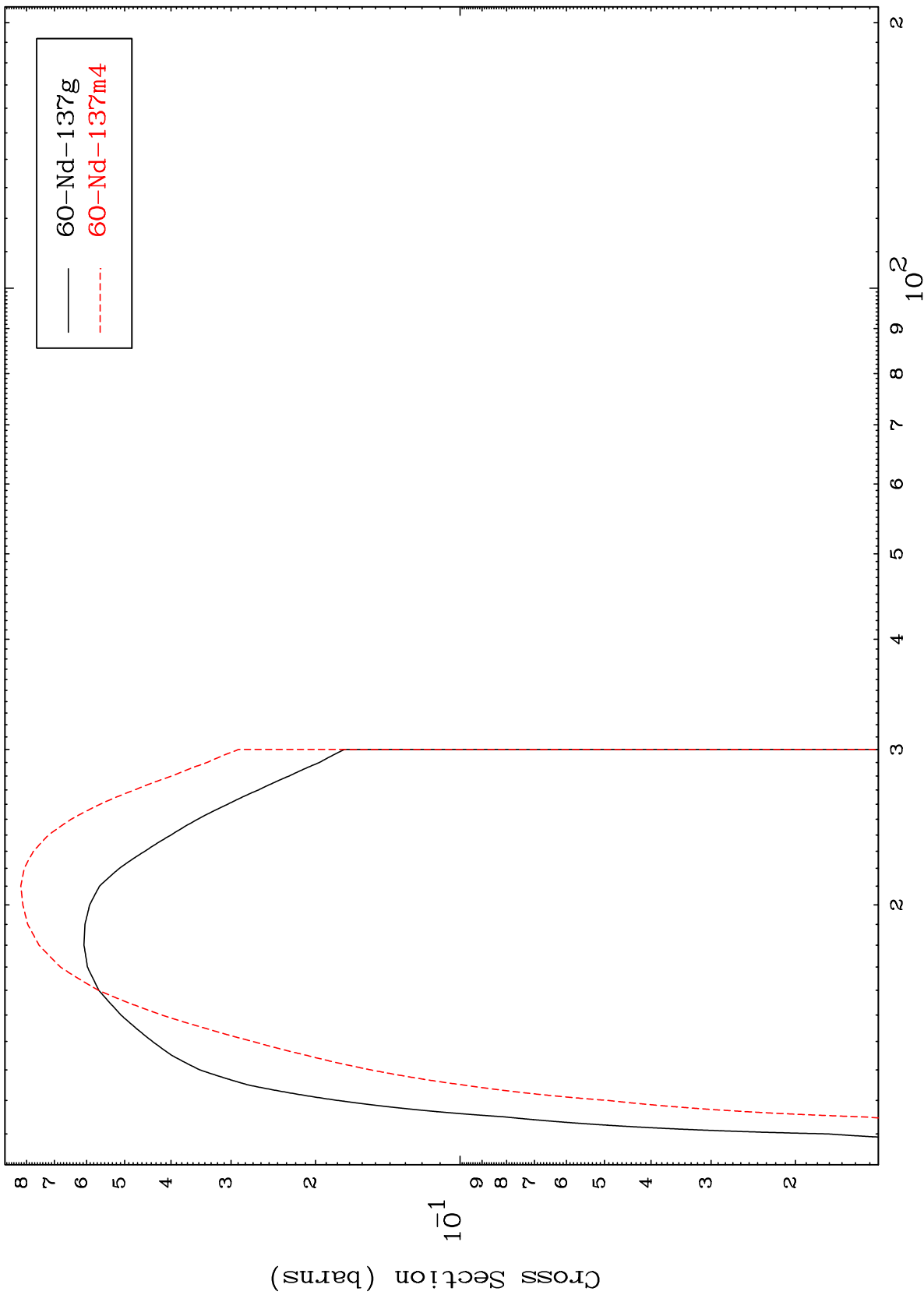


MAT 6013

60-Nd-138

(n,2n)

Radionuclide Production Cross Section



131

Incident Energy (MeV)

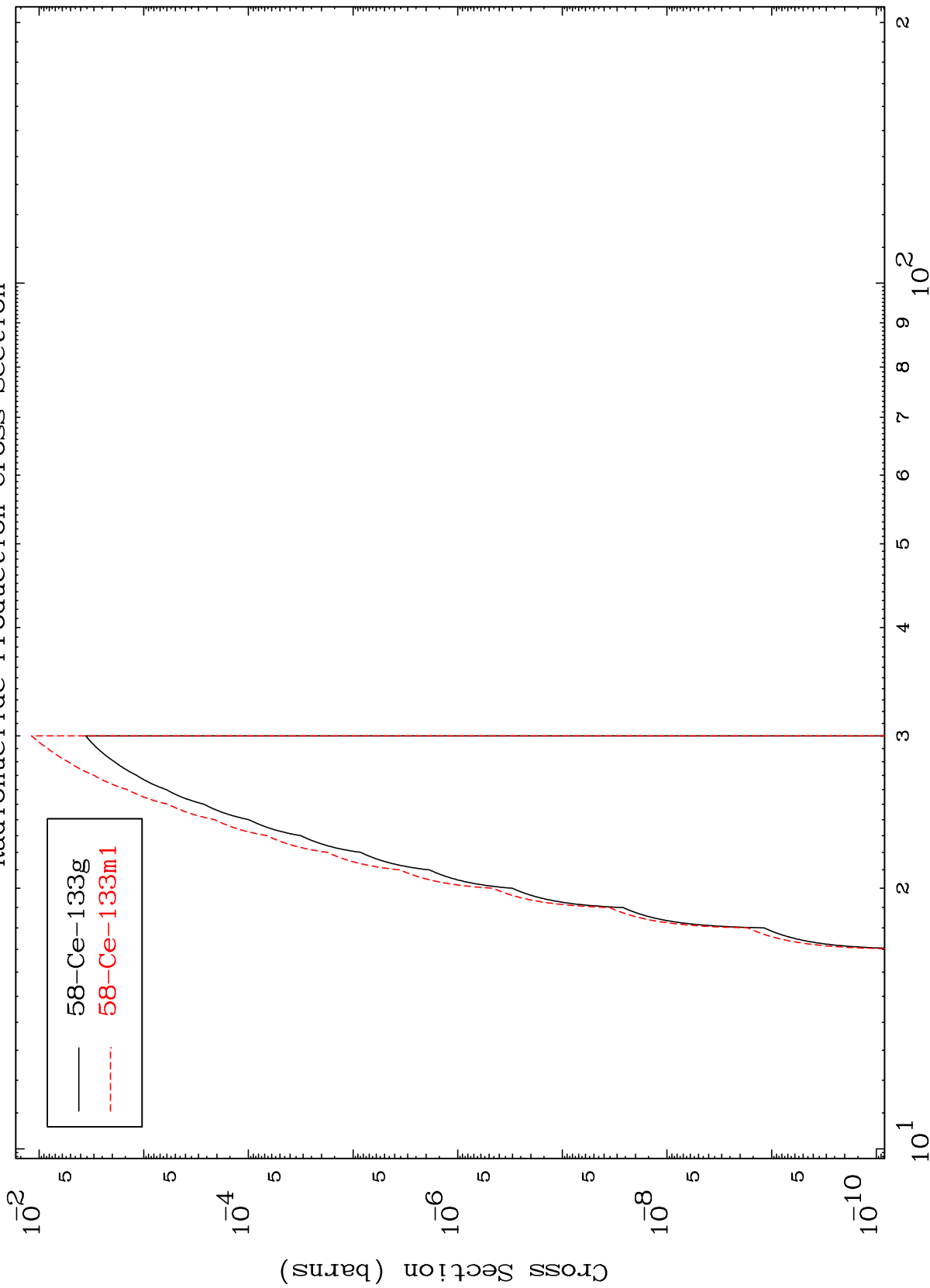
60-Nd-138

MAT 6013

(n,2n)  $\alpha$

60-Nd-138

Radionuclide Production Cross Section



Incident Energy (MeV)

60-Nd-138

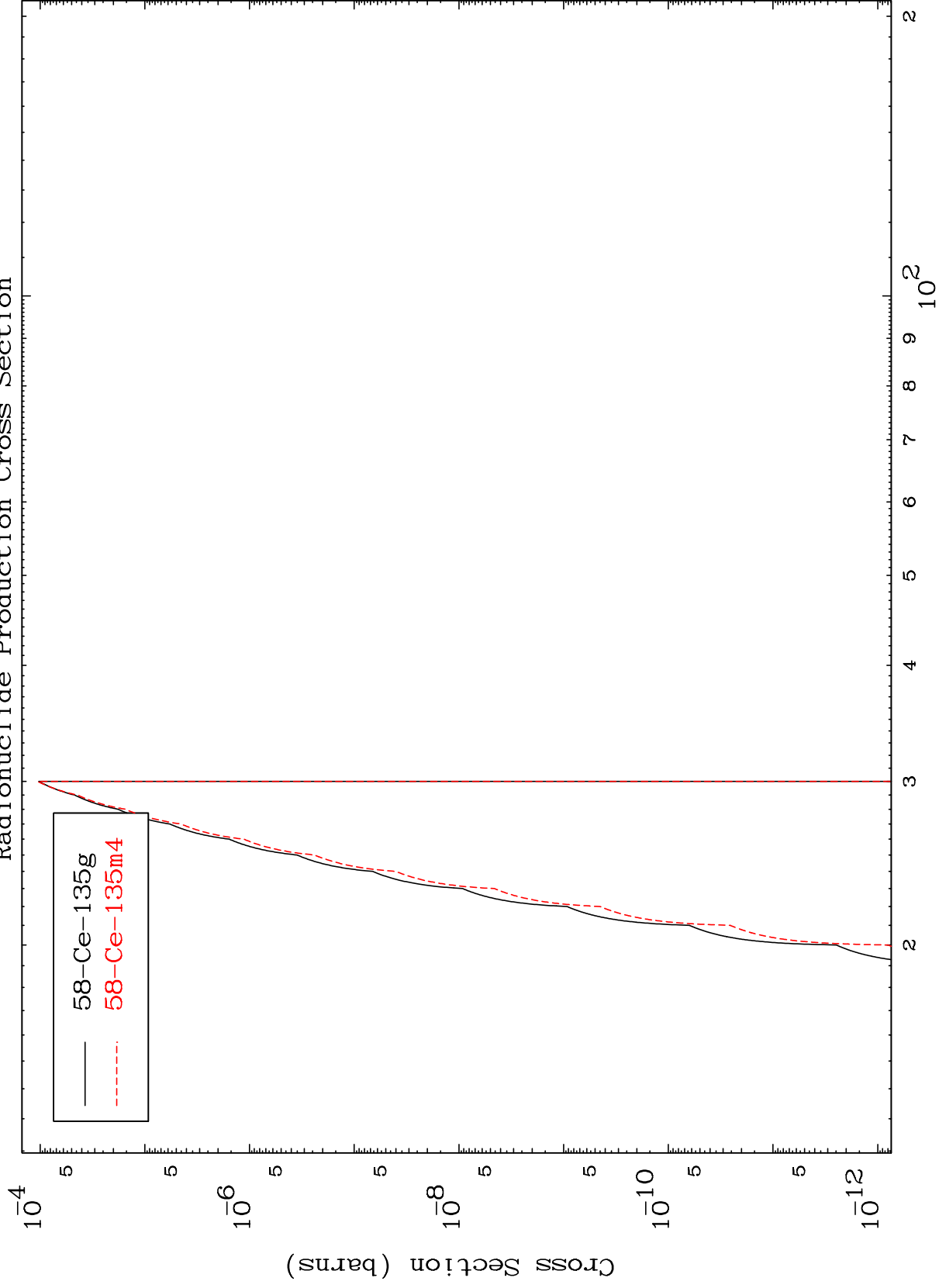
132

MAT 6013

(n,n') He-3

60-Nd-138

Radionuclide Production Cross Section



133

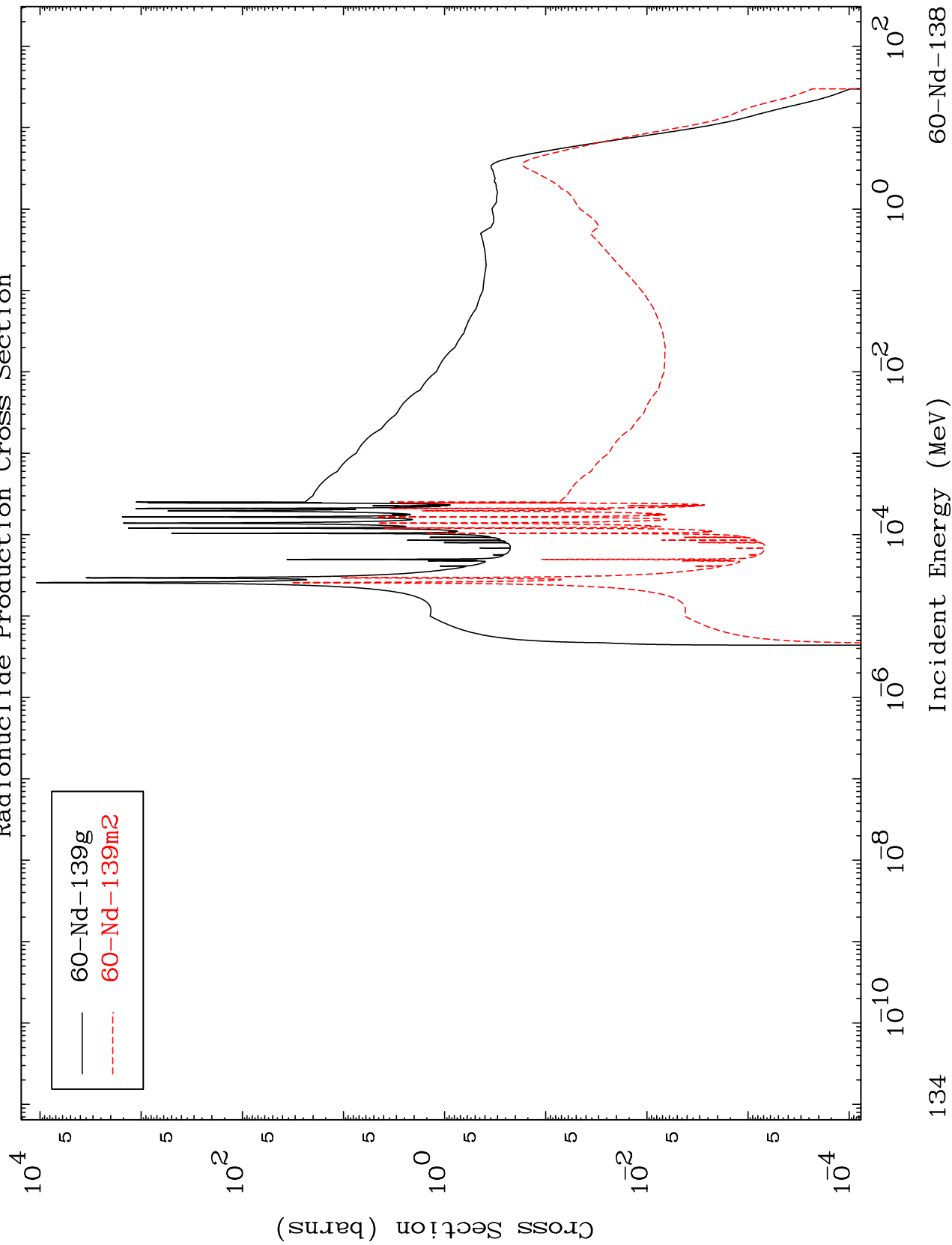
Incident Energy (MeV)

60-Nd-138

MAT 6013

60-Nd-138

Radionuclide Production Cross Section



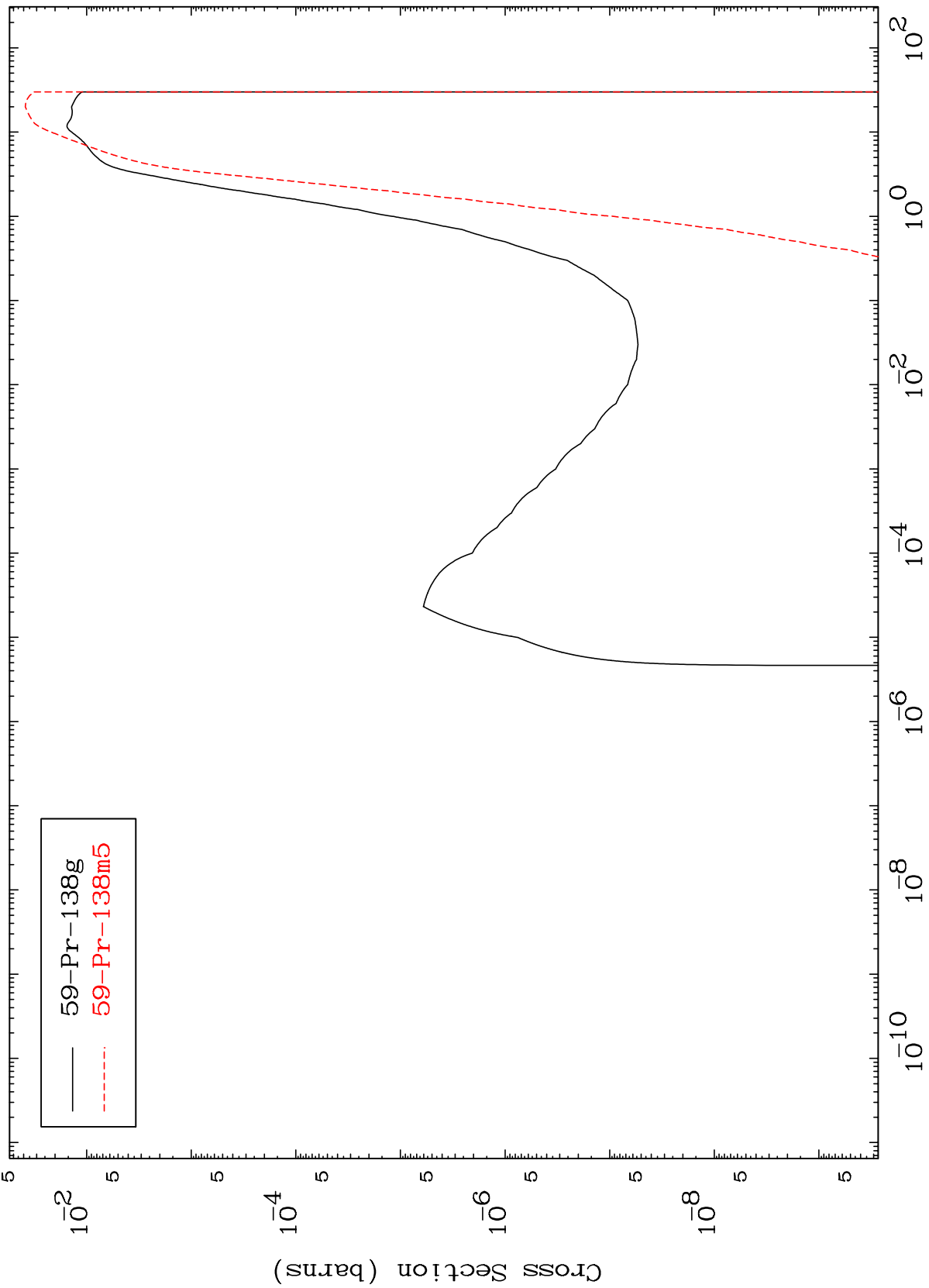
134

MAT 6013

(n,p)

60-Nd-138

Radionuclide Production Cross Section



59-Pr-138g  
59-Pr-138m5

135

Incident Energy (MeV)

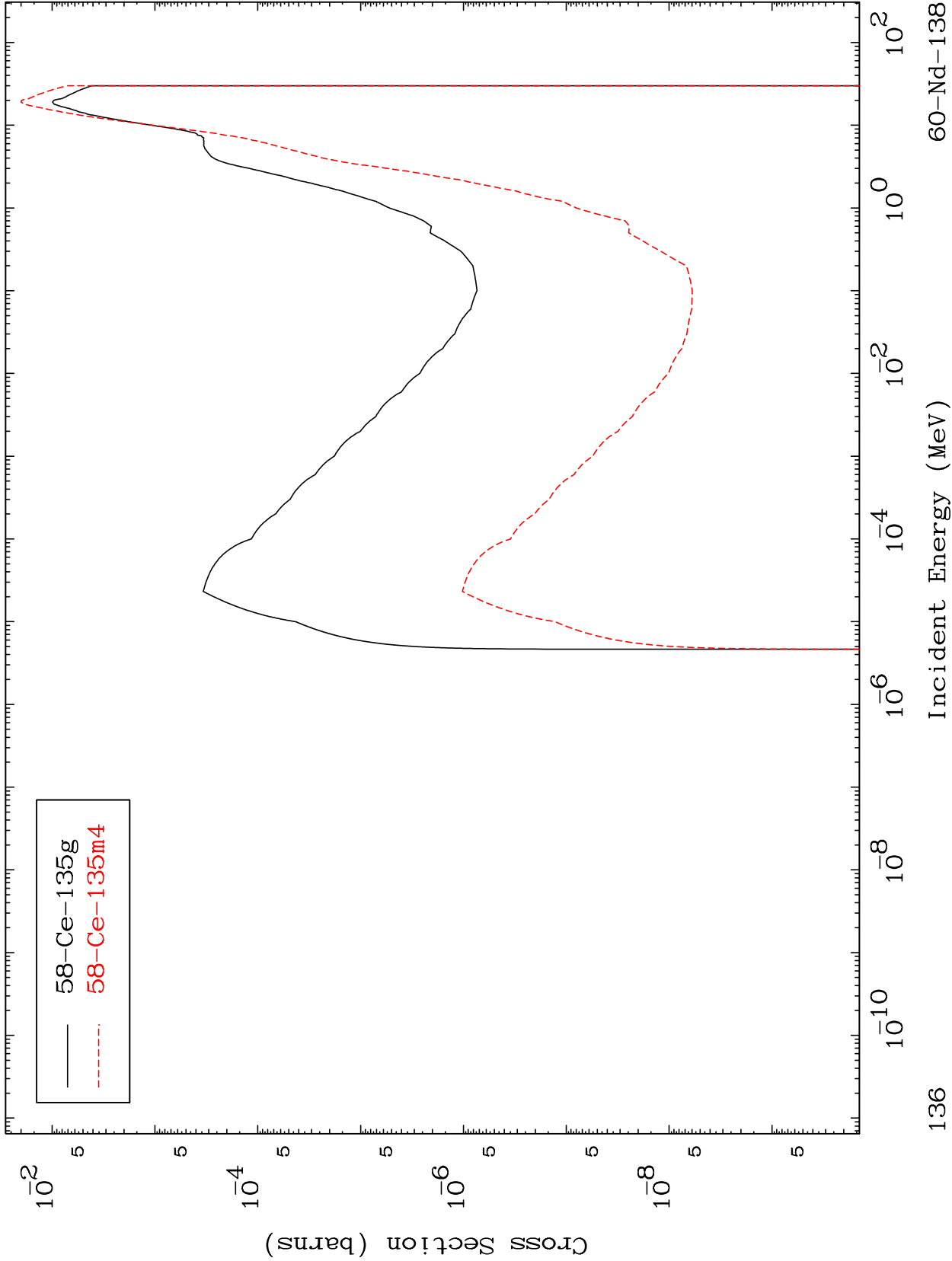
60-Nd-138



MAT 6013

60-Nd-138

(n,  $\alpha$ )  
Radionuclide Production Cross Section



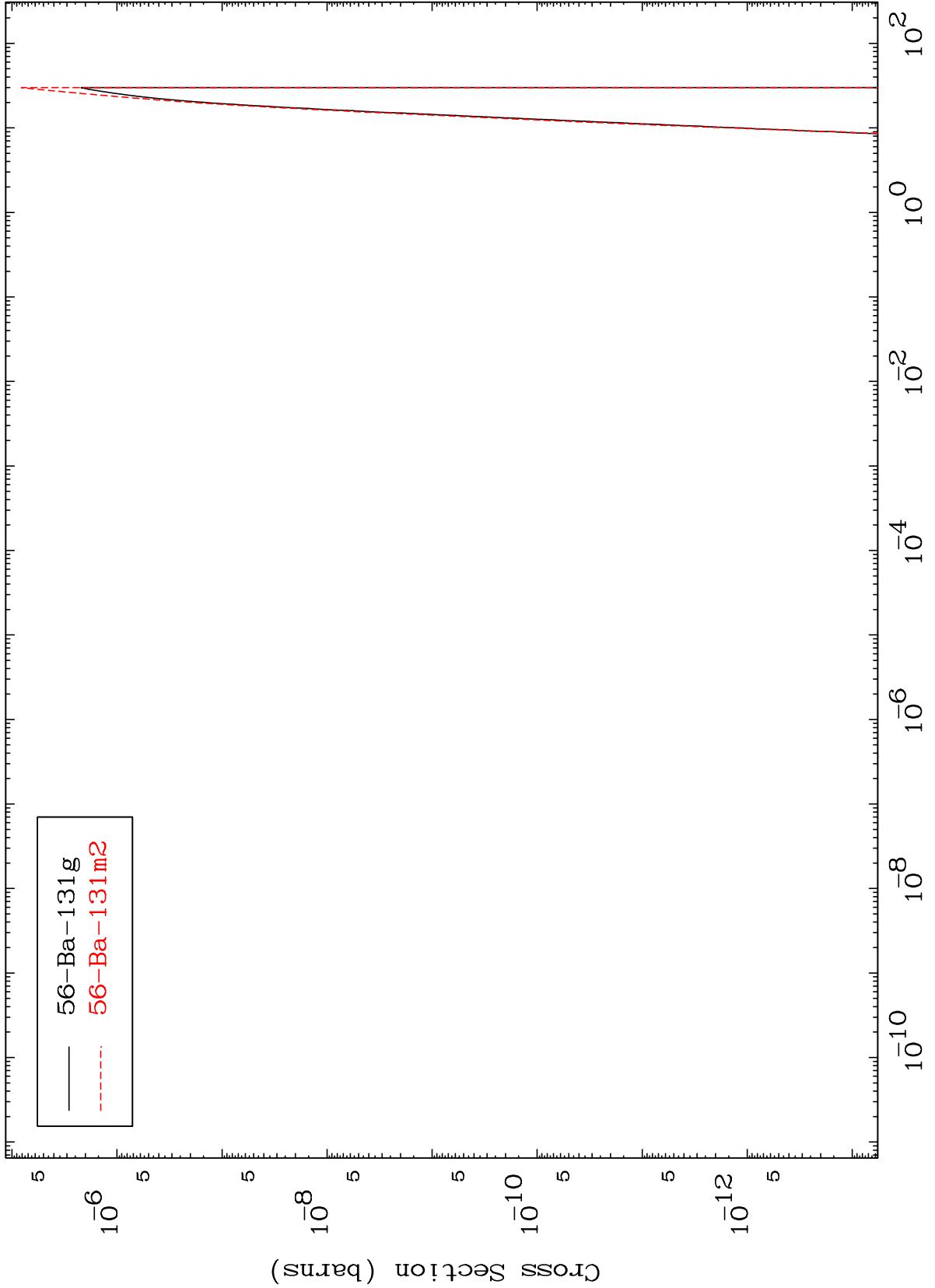
136

MAT 6013

(n,2α)

60-Nd-138

Radionuclide Production Cross Section



137

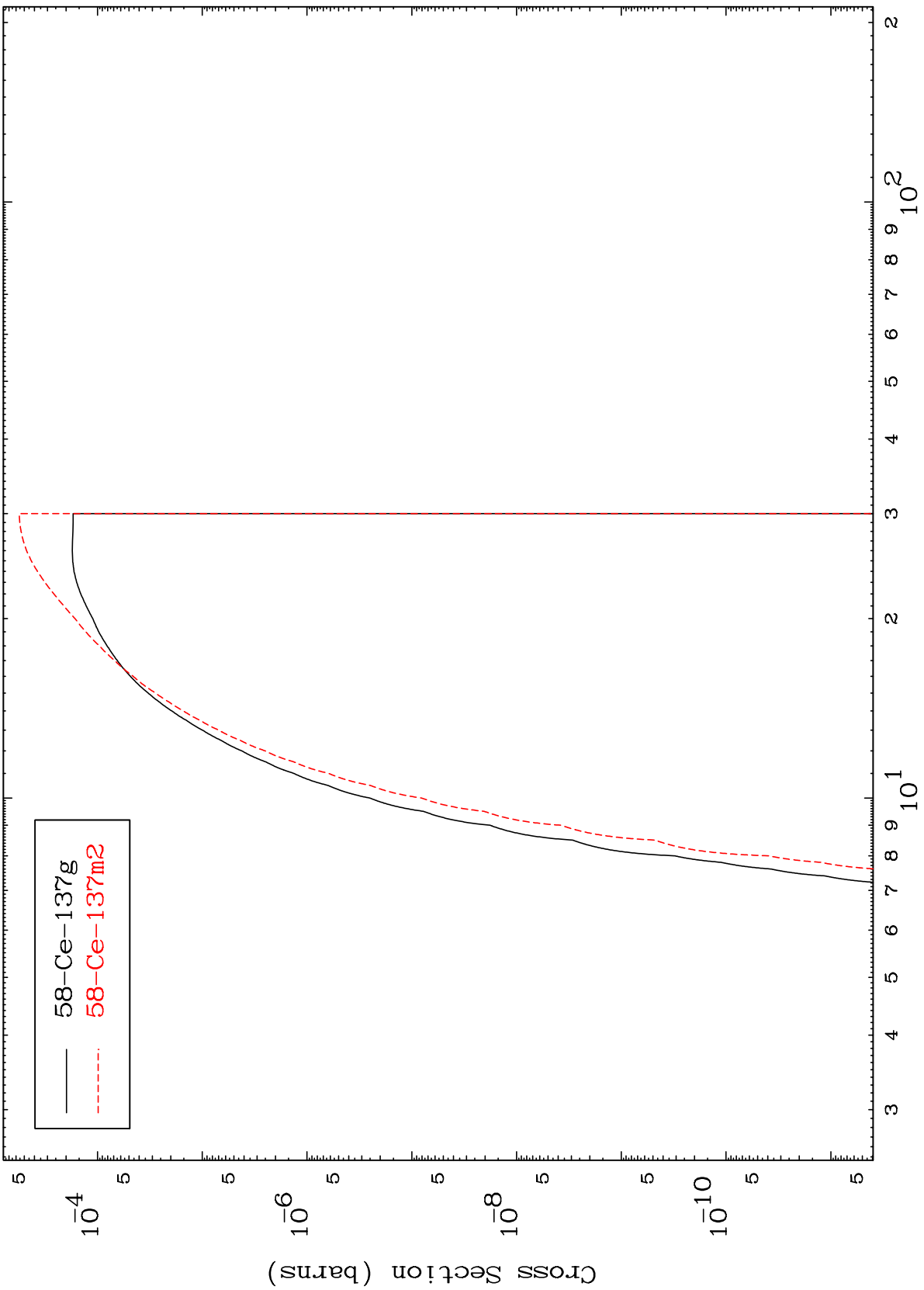
Incident Energy (MeV)

60-Nd-138

MAT 6013

60-Nd-138

(n,2p)  
Radionuclide Production Cross Section



— 58-Ce-137g  
- - - 58-Ce-137m2

138

Incident Energy (MeV)

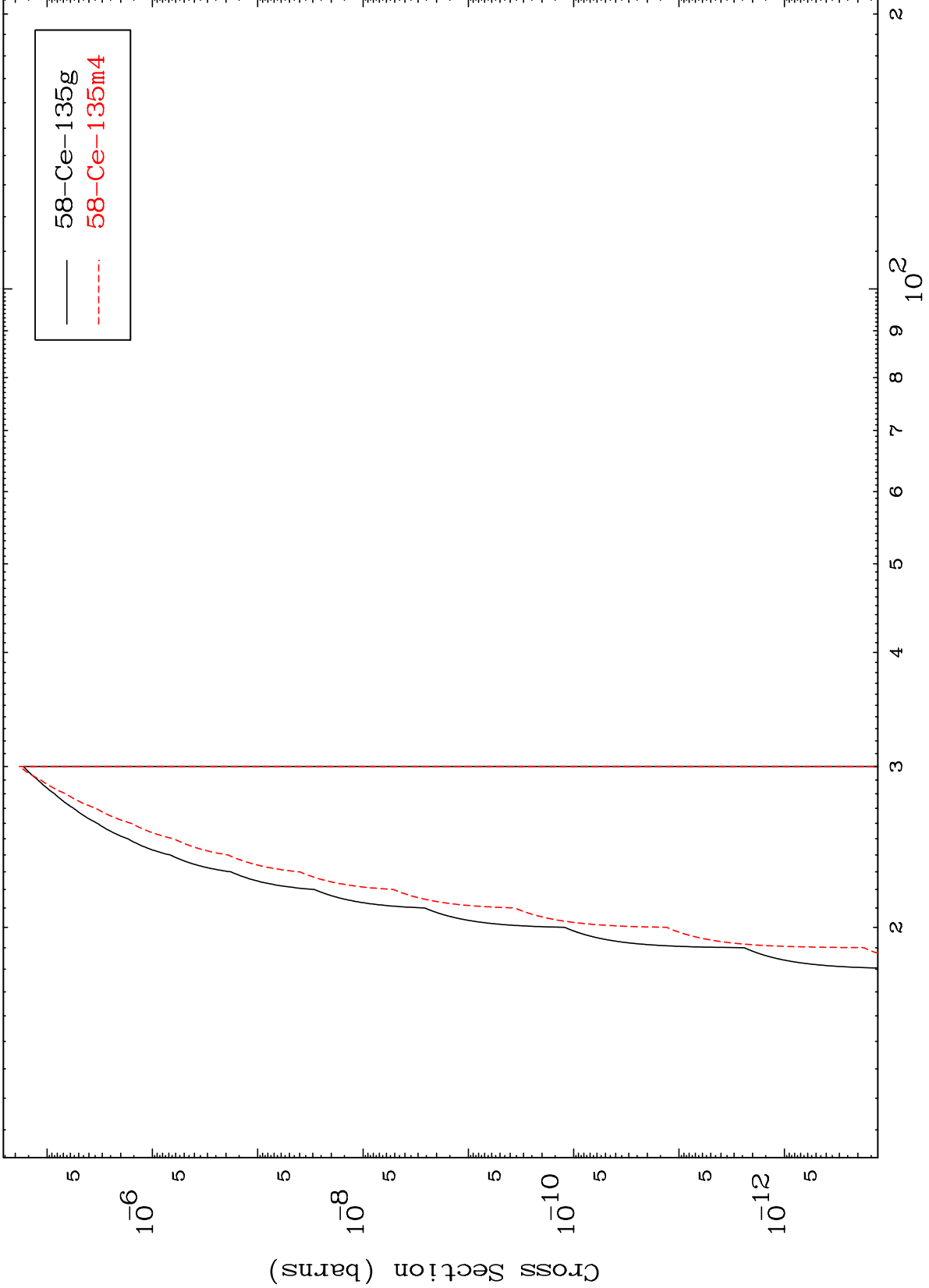
60-Nd-138

MAT 6013

(n,p) t

60-Nd-138

Radionuclide Production Cross Section



58-Ce-135g  
58-Ce-135m4

139

Incident Energy (MeV)

60-Nd-138