

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

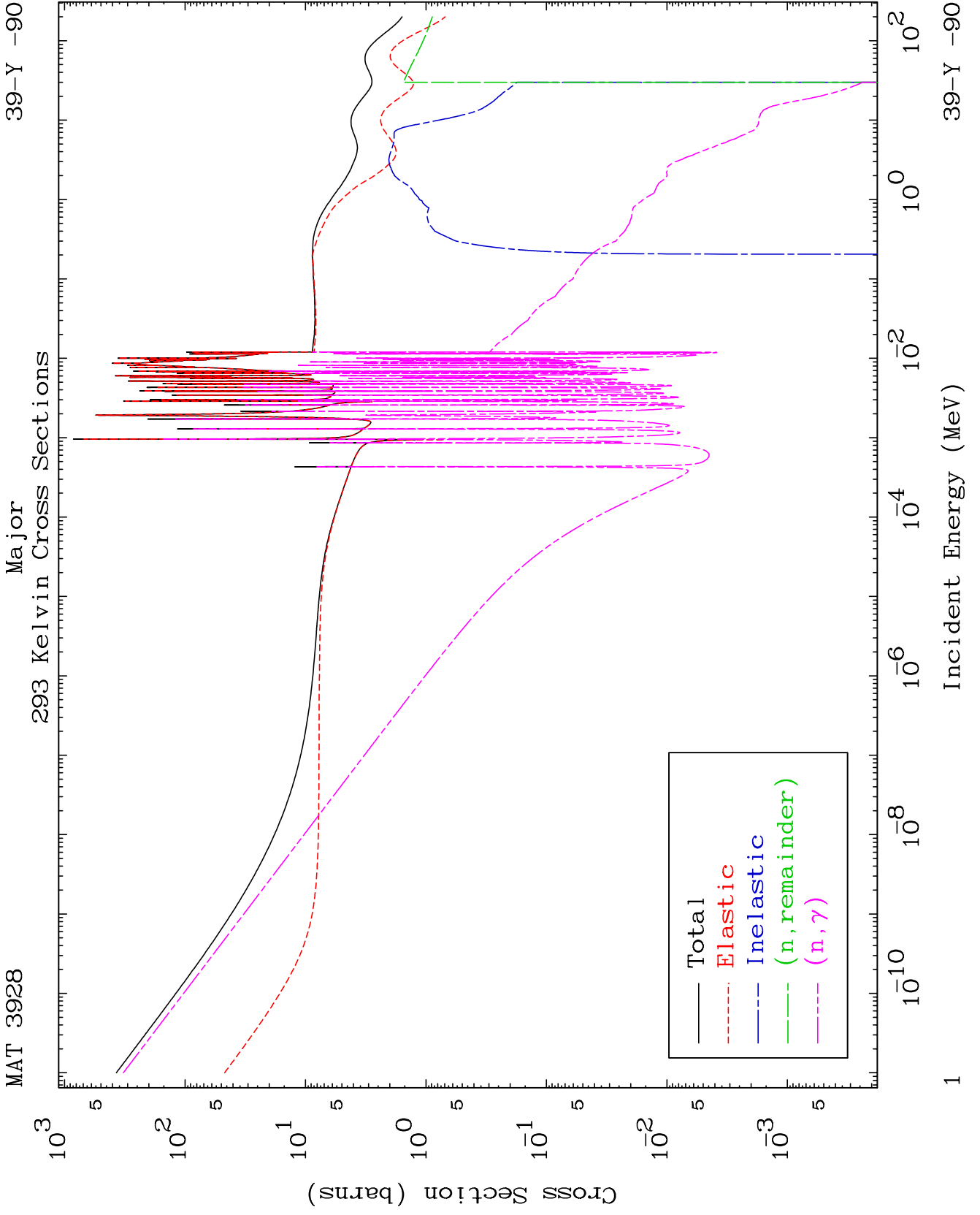
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Web:redcullen1.net/HOMEPAGE.NEW

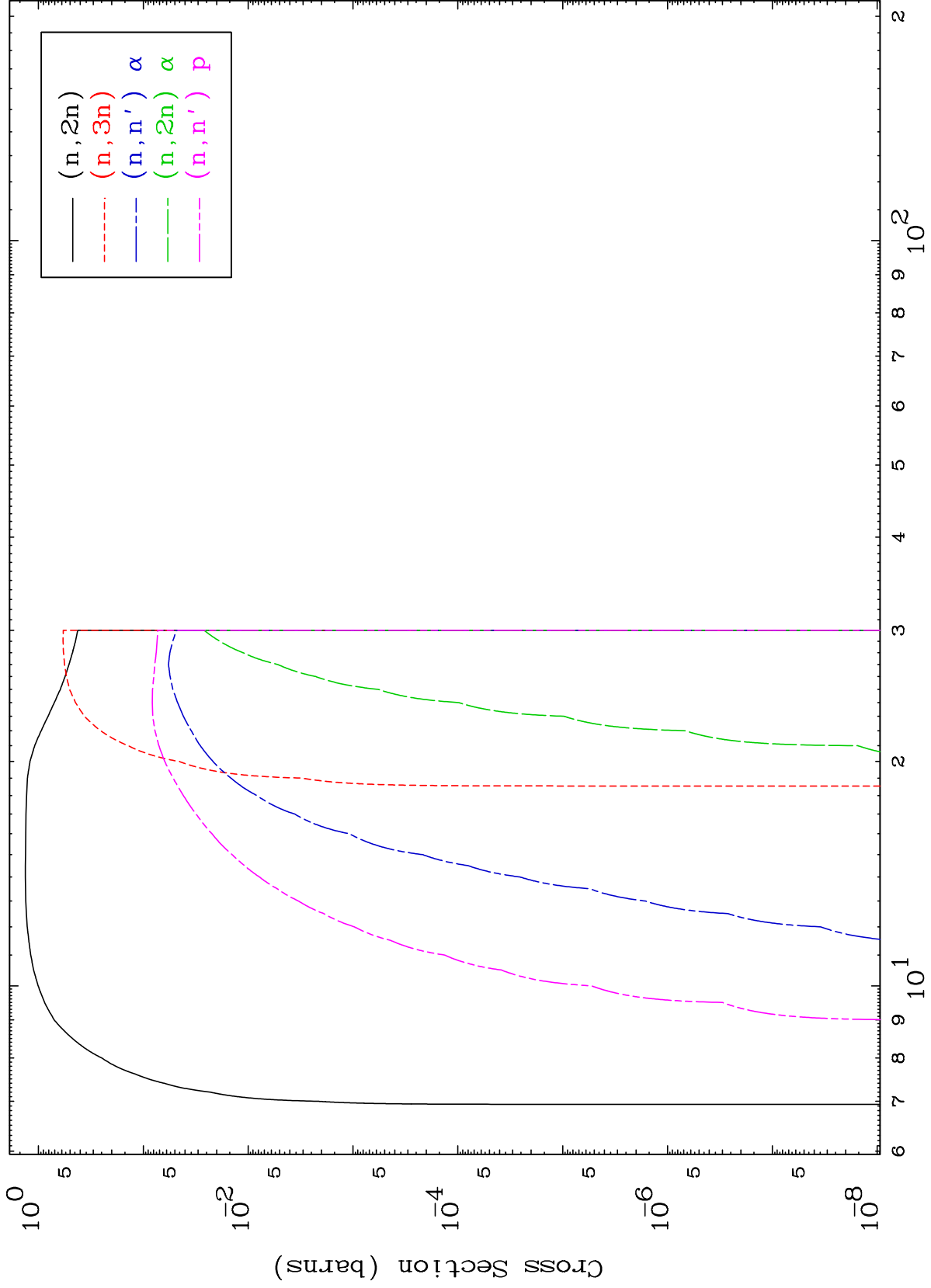
Press Mouse Button to Start



MAT 3928

Neutron Production
293 Kelvin Cross Sections

39-Y -90

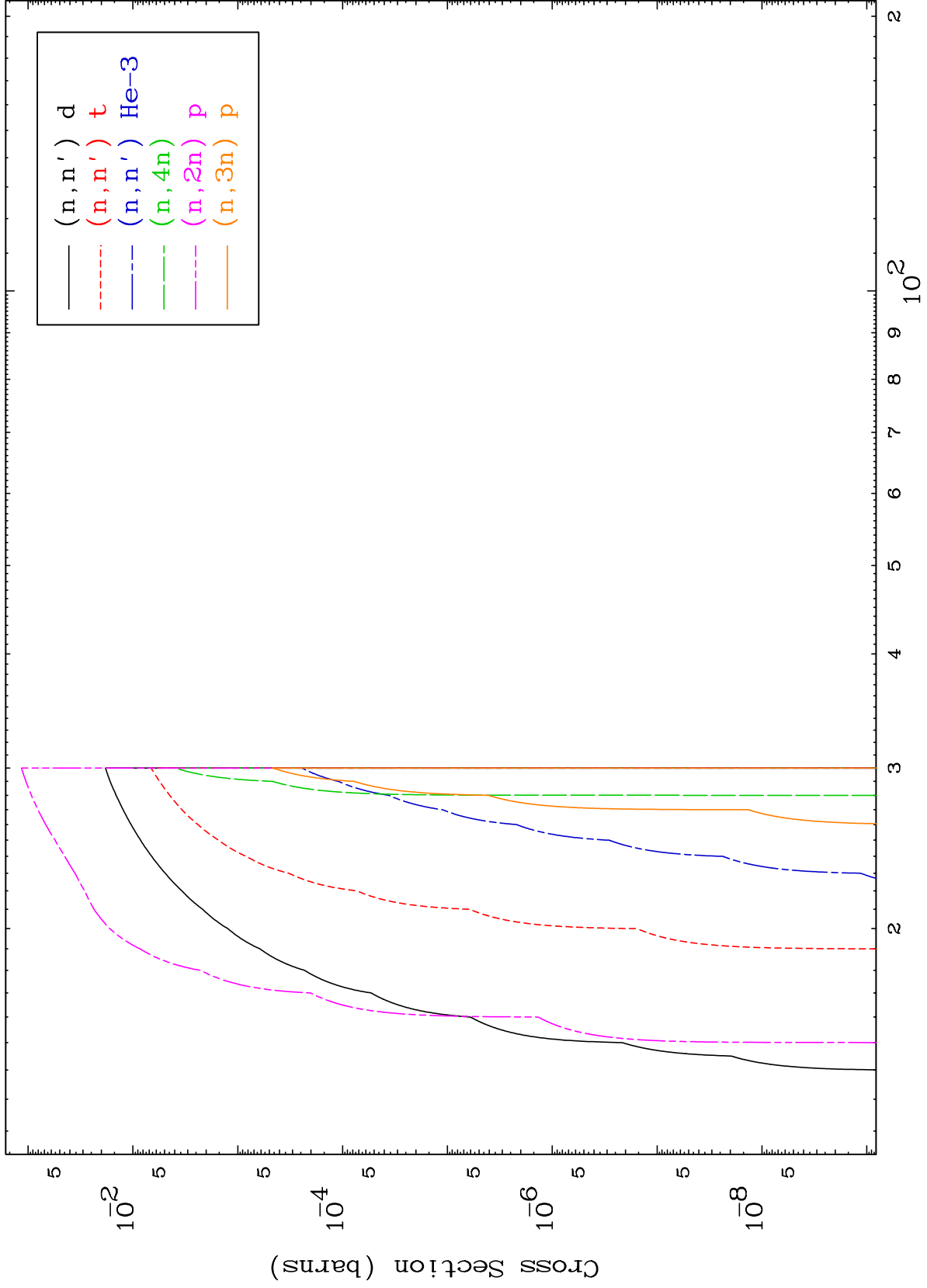


2

Incident Energy (MeV)

39-Y -90

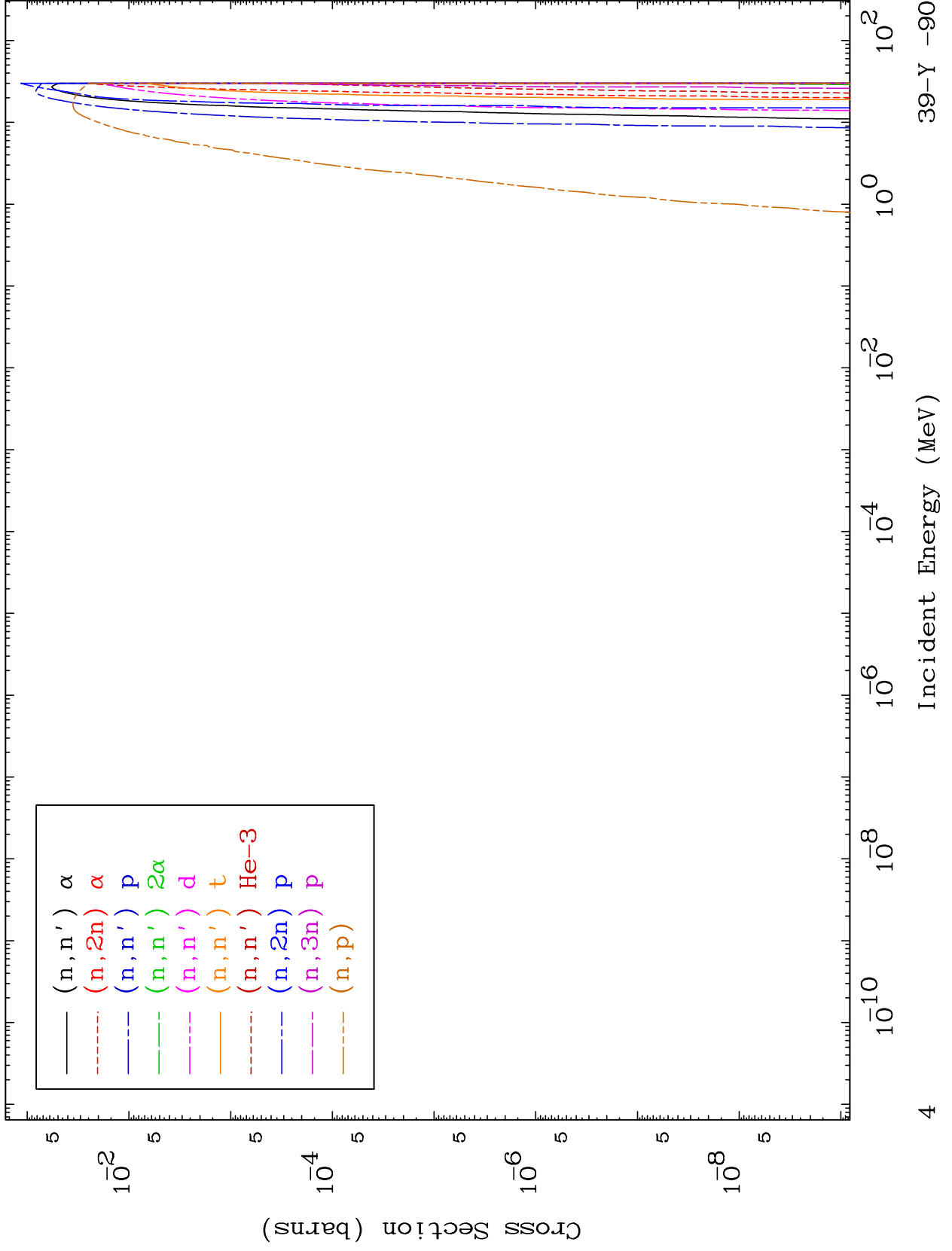
Neutron Production
293 Kelvin Cross Sections



MAT 3928

Charged Particle
293 Kelvin Cross Sections

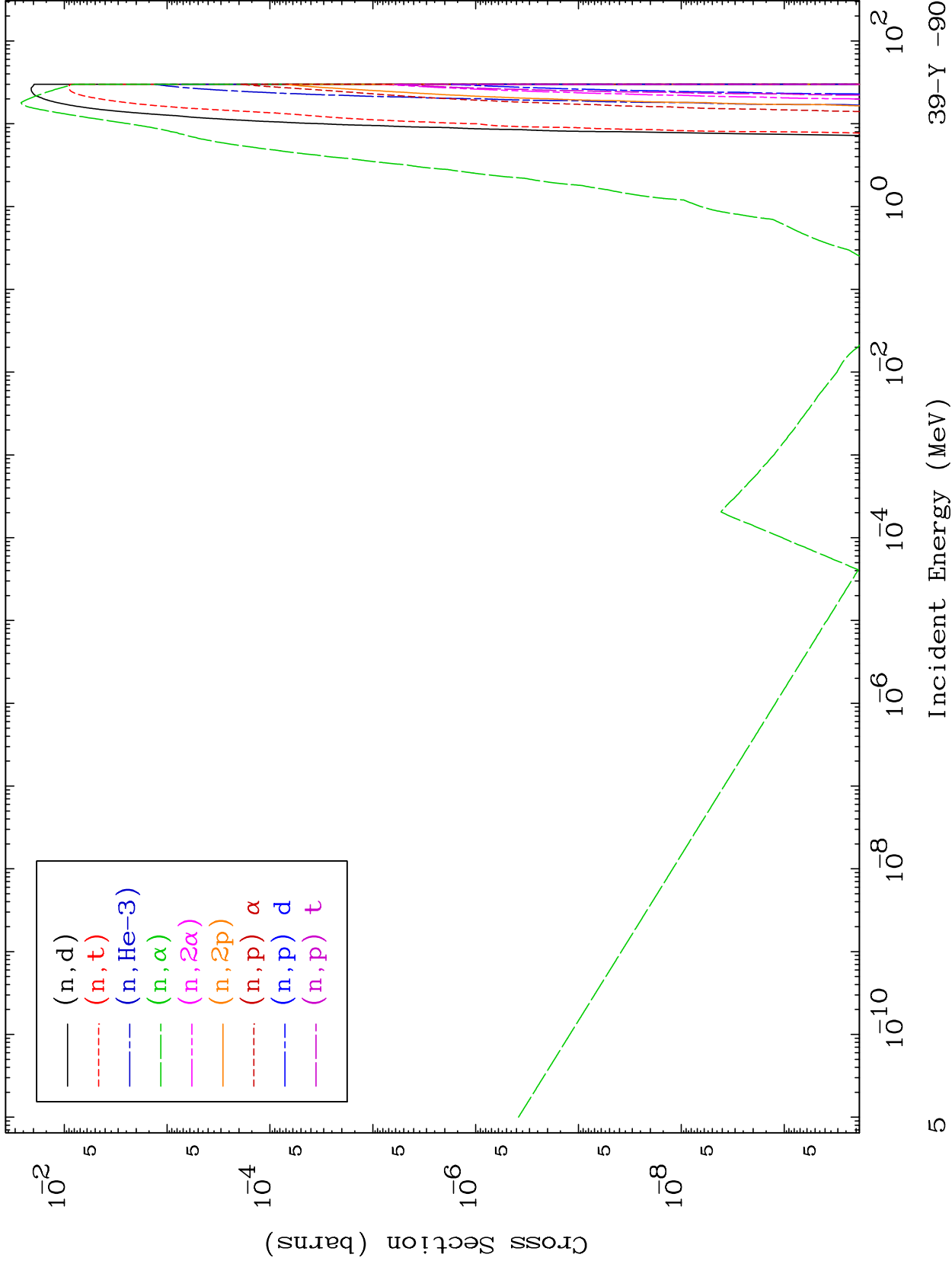
39-Y -90



MAT 3928

Charged Particle
293 Kelvin Cross Sections

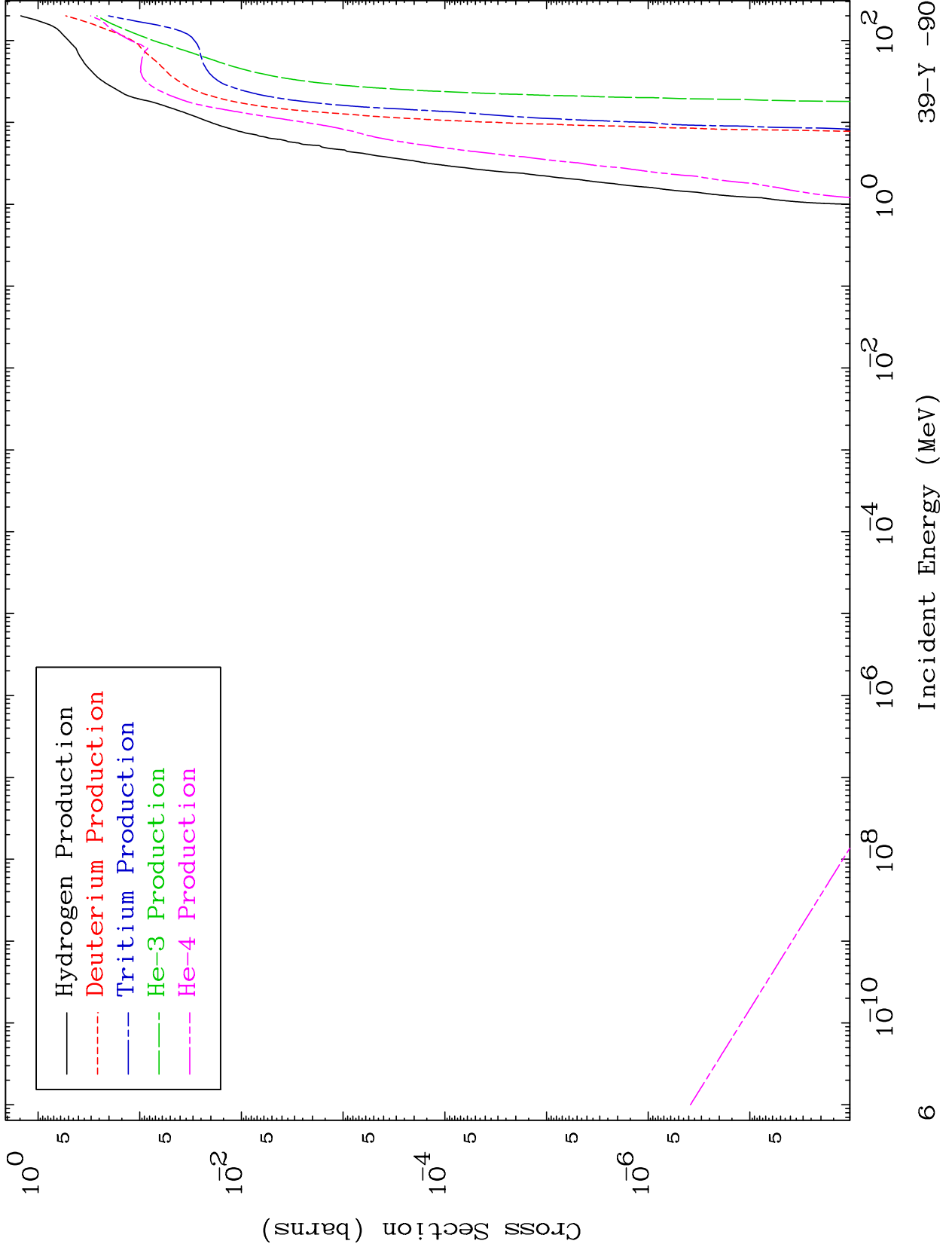
39-Y -90



MAT 3928

Particle Production
293 Kelvin Cross Sections

39-Y -90

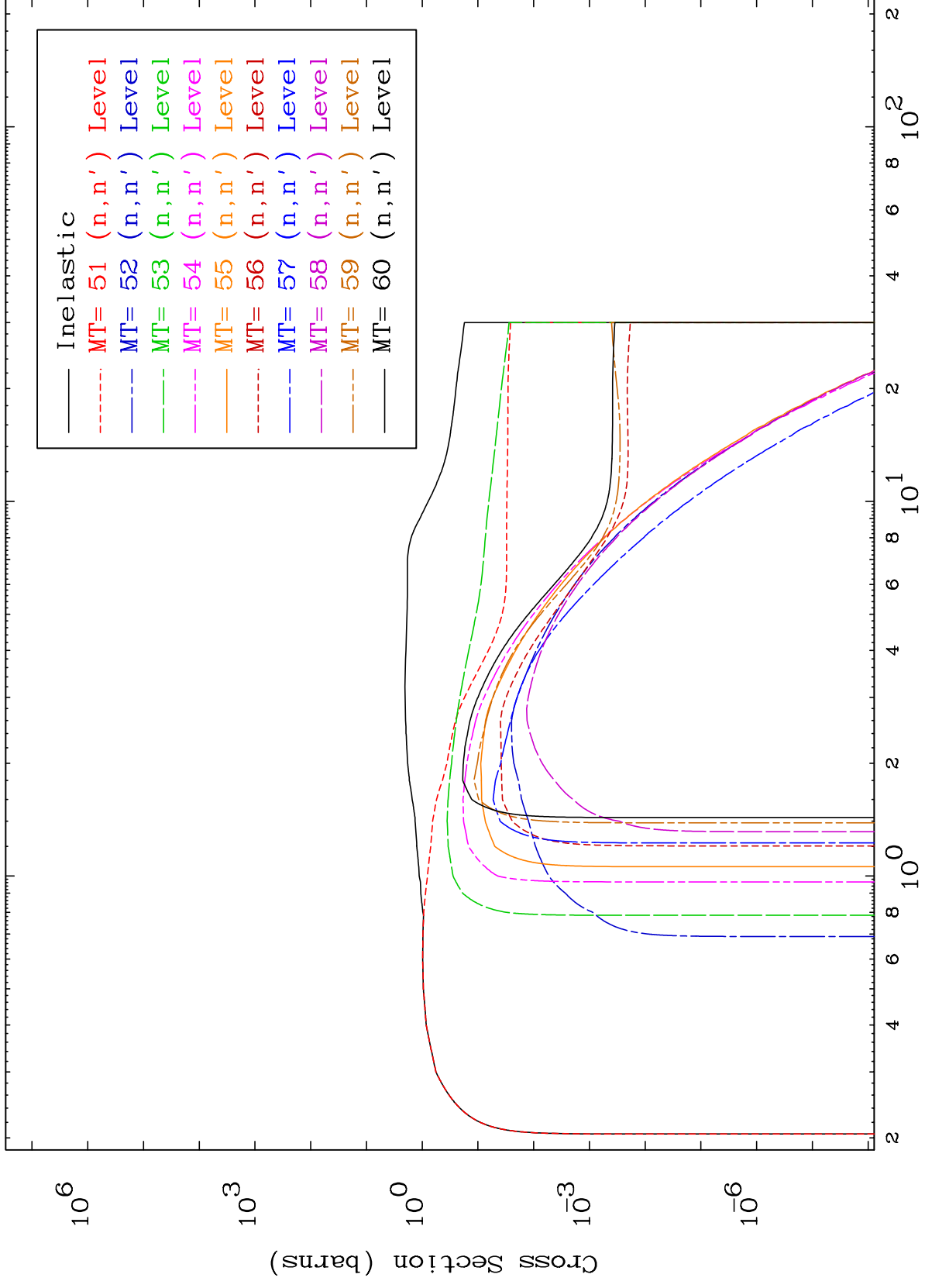


MAT 3928

(n,n') Level

39-Y -90

293 Kelvin Cross Sections



Incident Energy (MeV)

39-Y -90

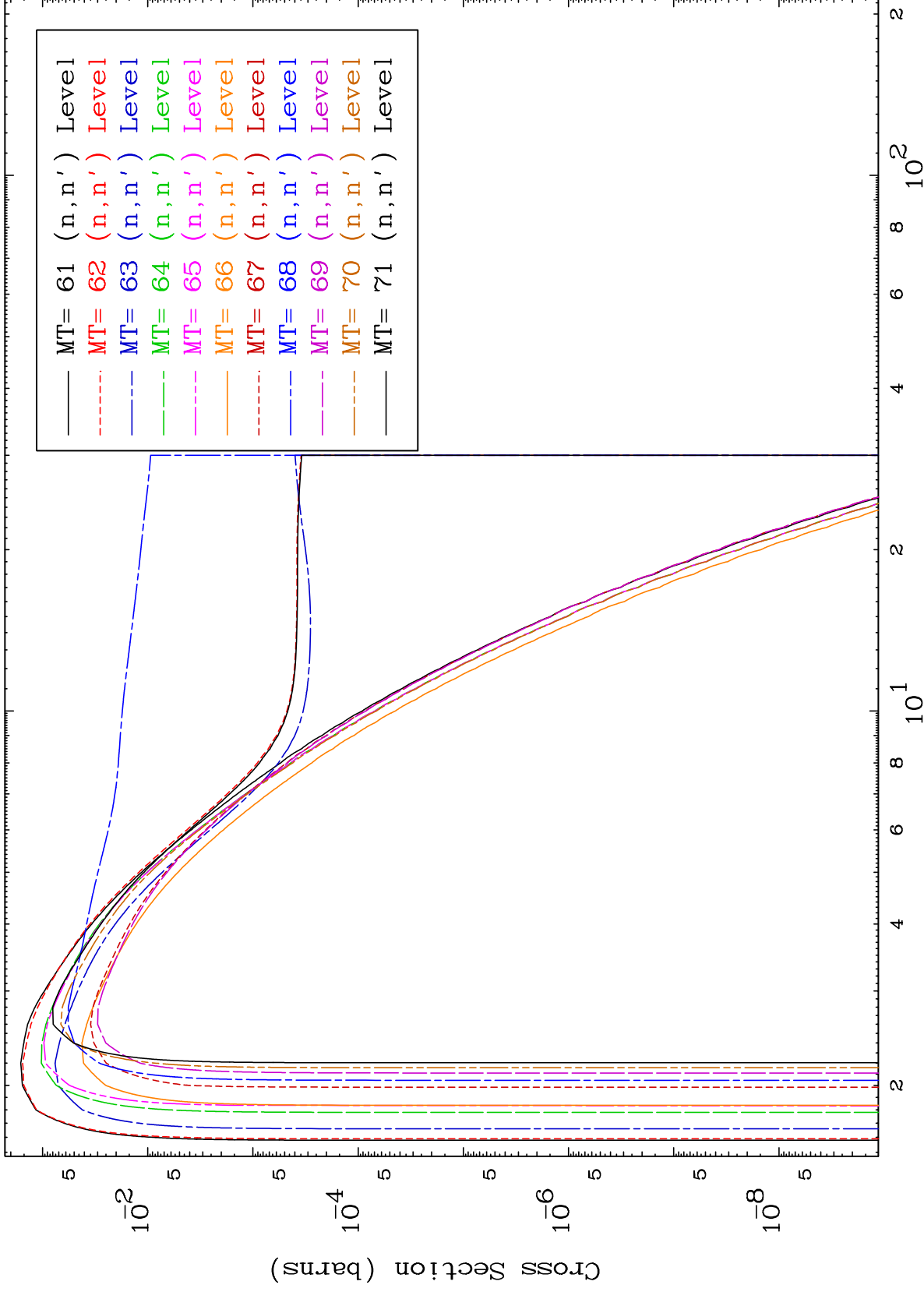
7

MAT 3928

(n,n') Level

39-Y -90

293 Kelvin Cross Sections

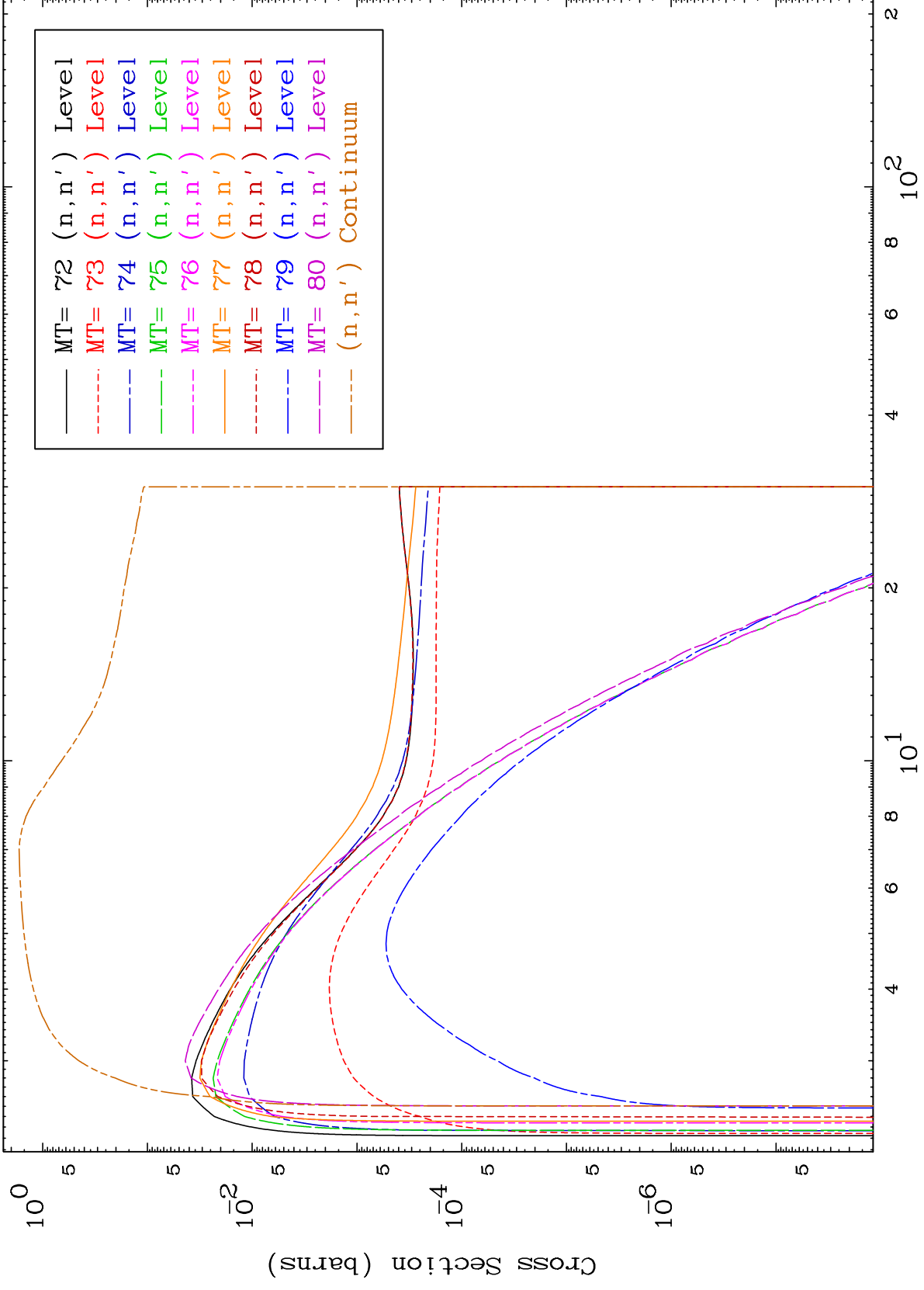


8

Incident Energy (MeV)

39-Y -90

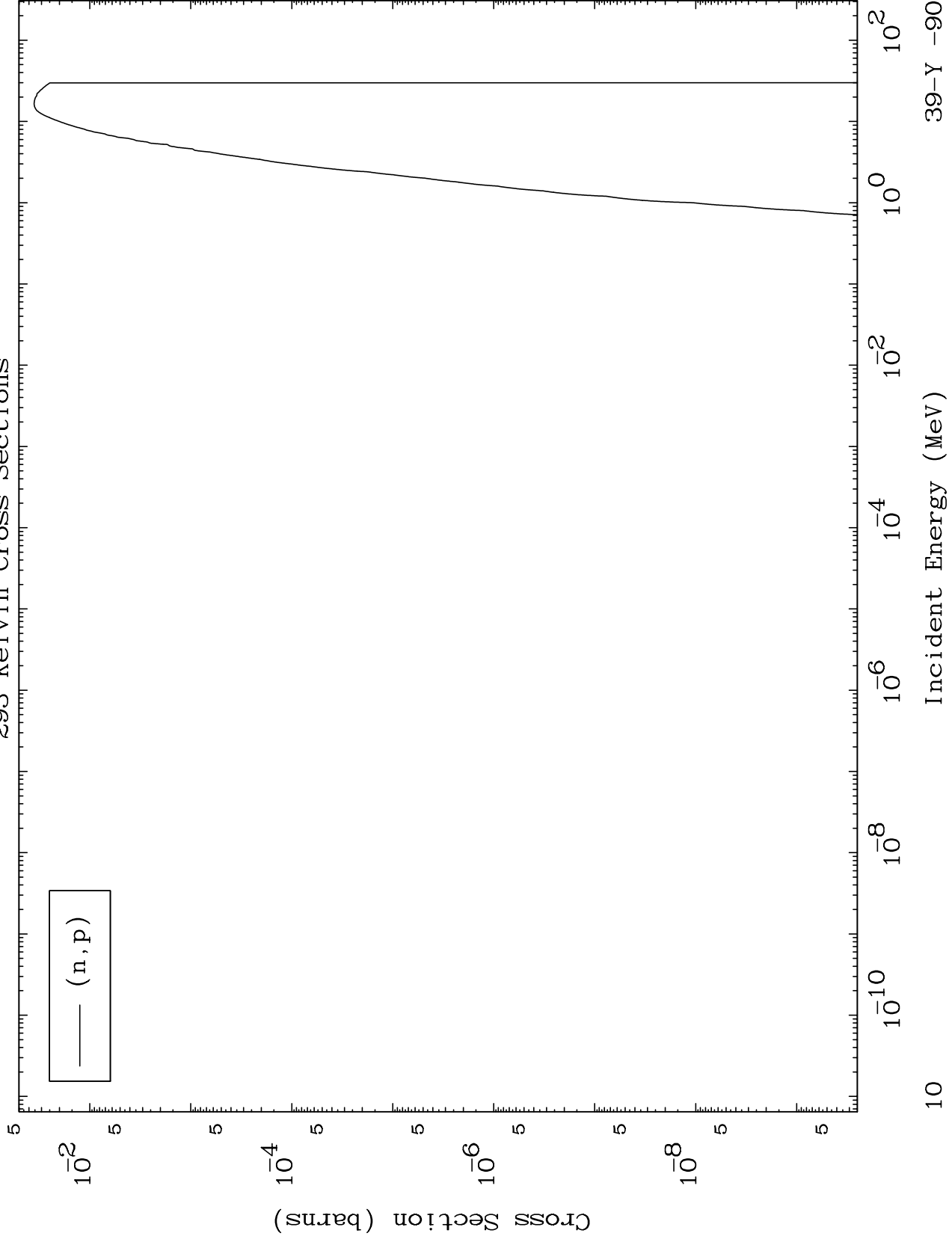
293 Kelvin Cross Sections



MAT 3928

(n,p) Levels
293 Kelvin Cross Sections

39-Y -90



10

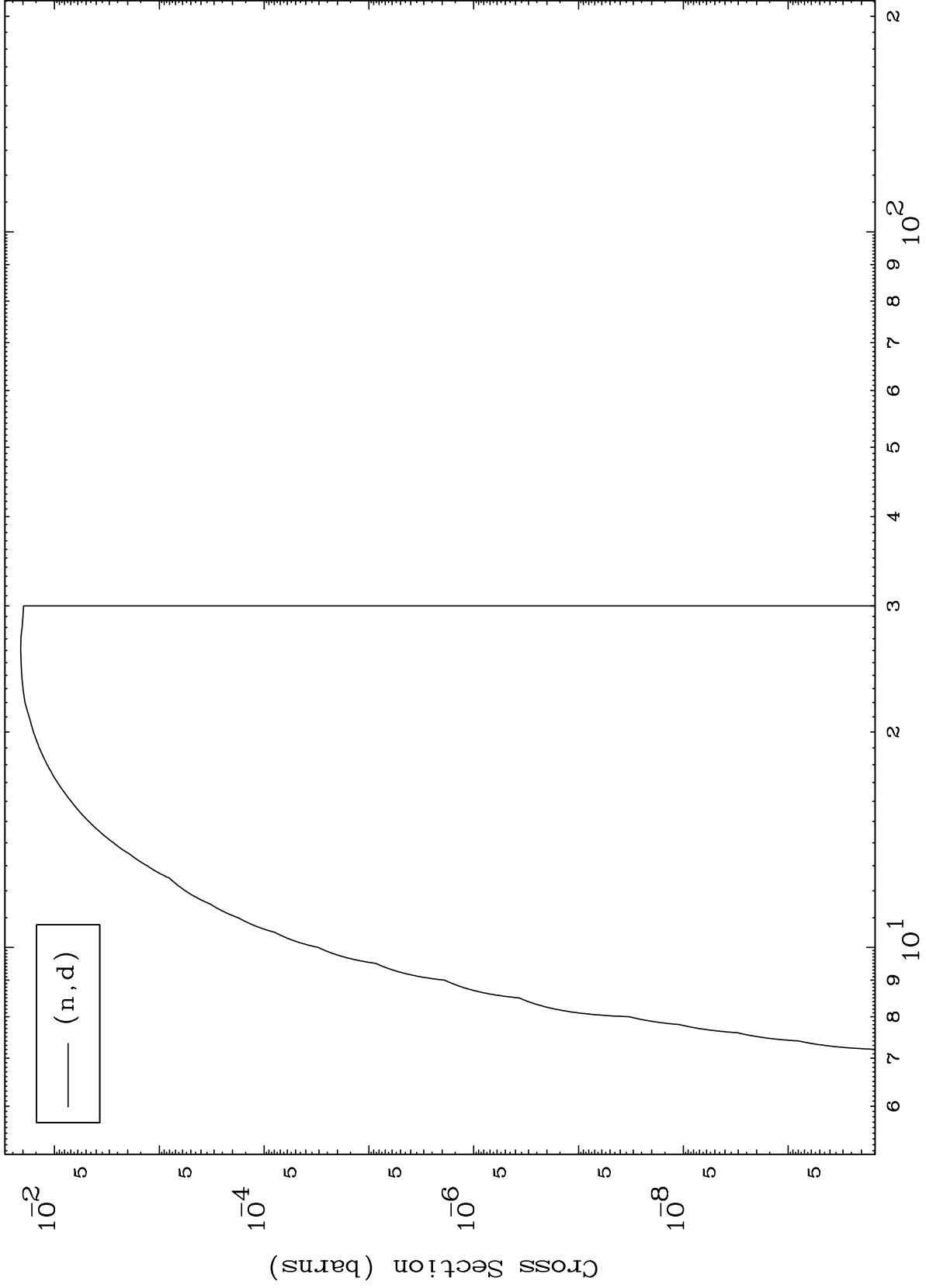
Incident Energy (MeV)

39-Y -90

MAT 3928

(n,d) Levels
293 Kelvin Cross Sections

39-Y -90



11

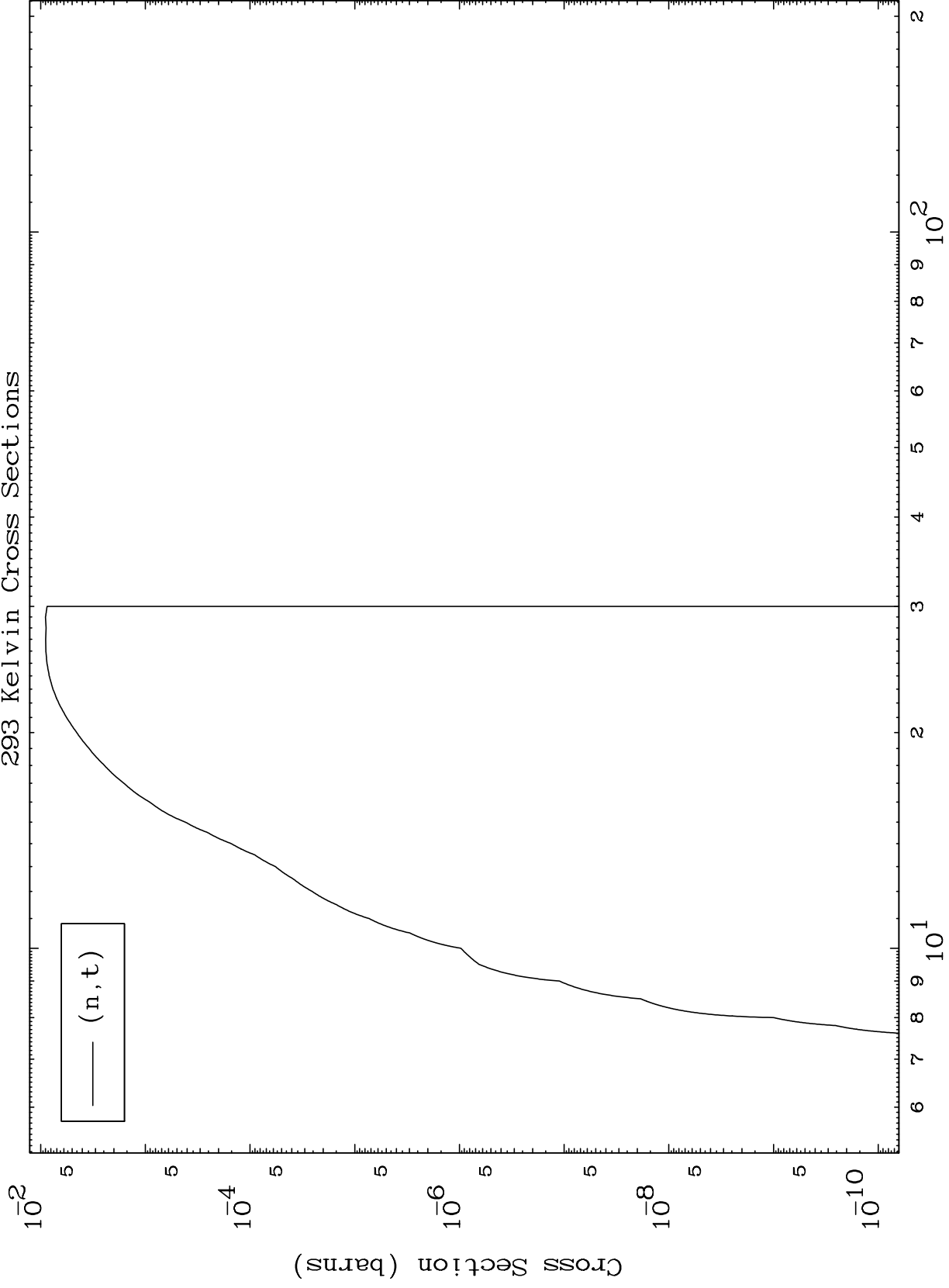
Incident Energy (MeV)

39-Y -90

MAT 3928

(n,t) Levels
293 Kelvin Cross Sections

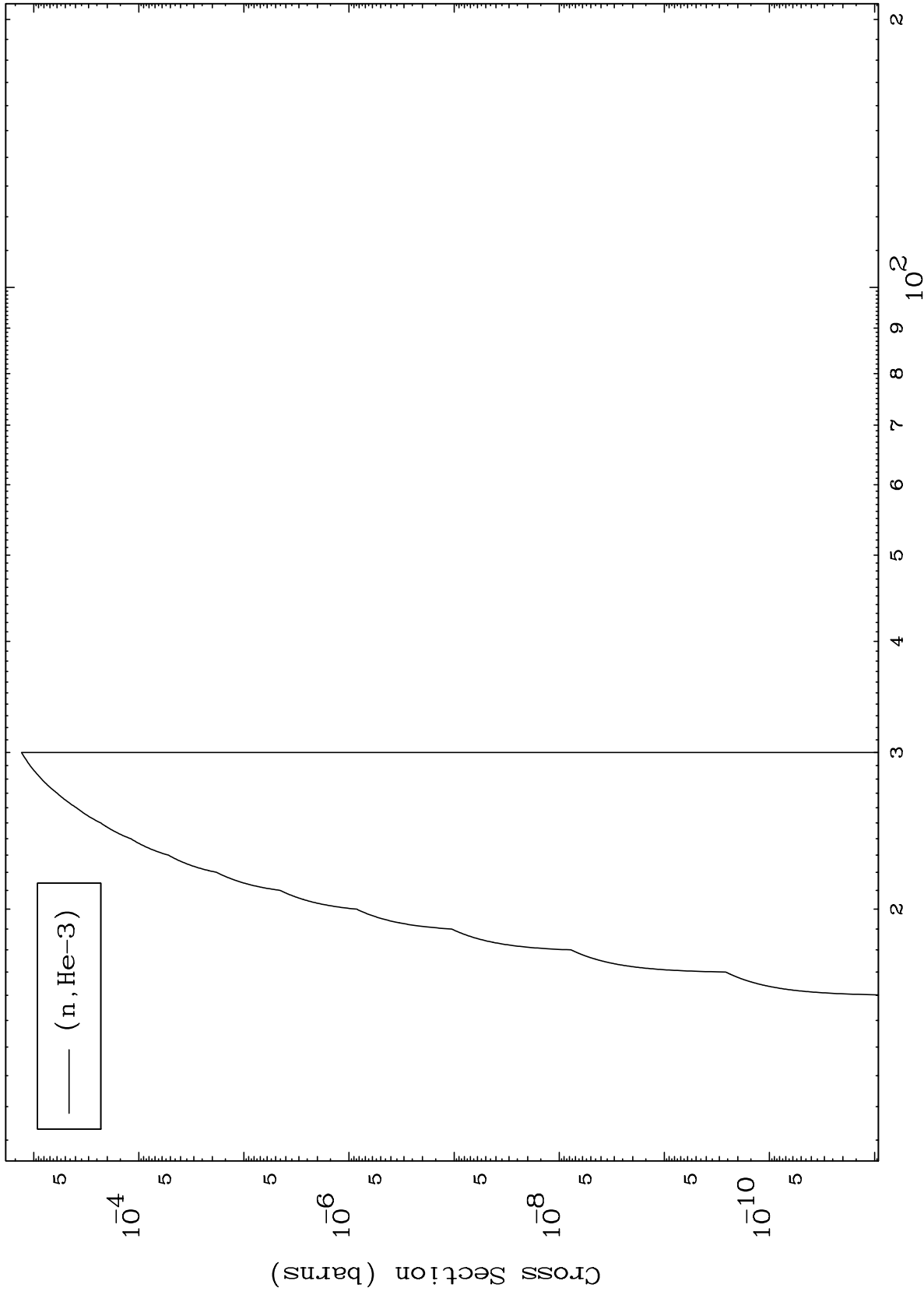
39-Y -90



12

Incident Energy (MeV)

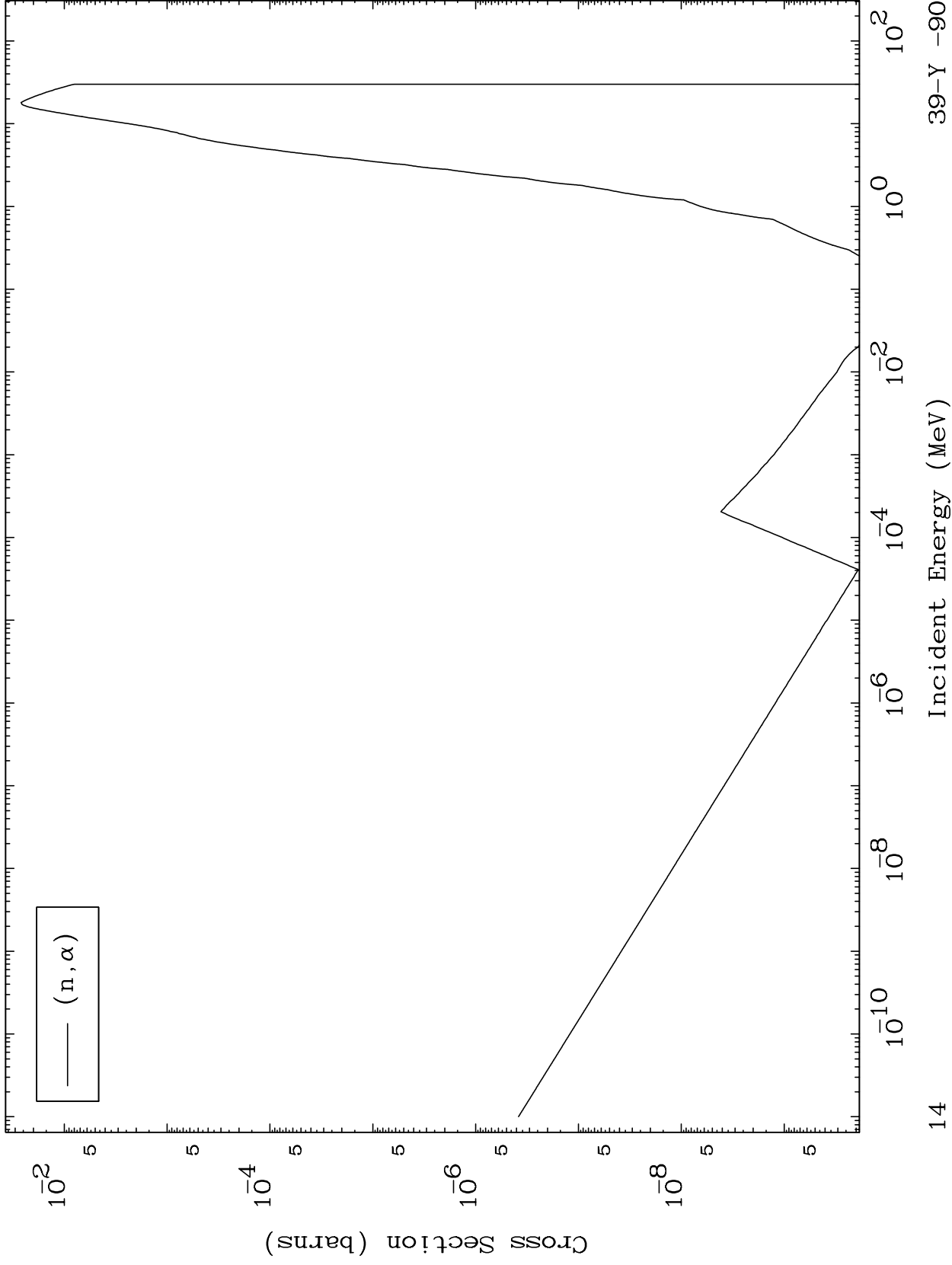
39-Y -90

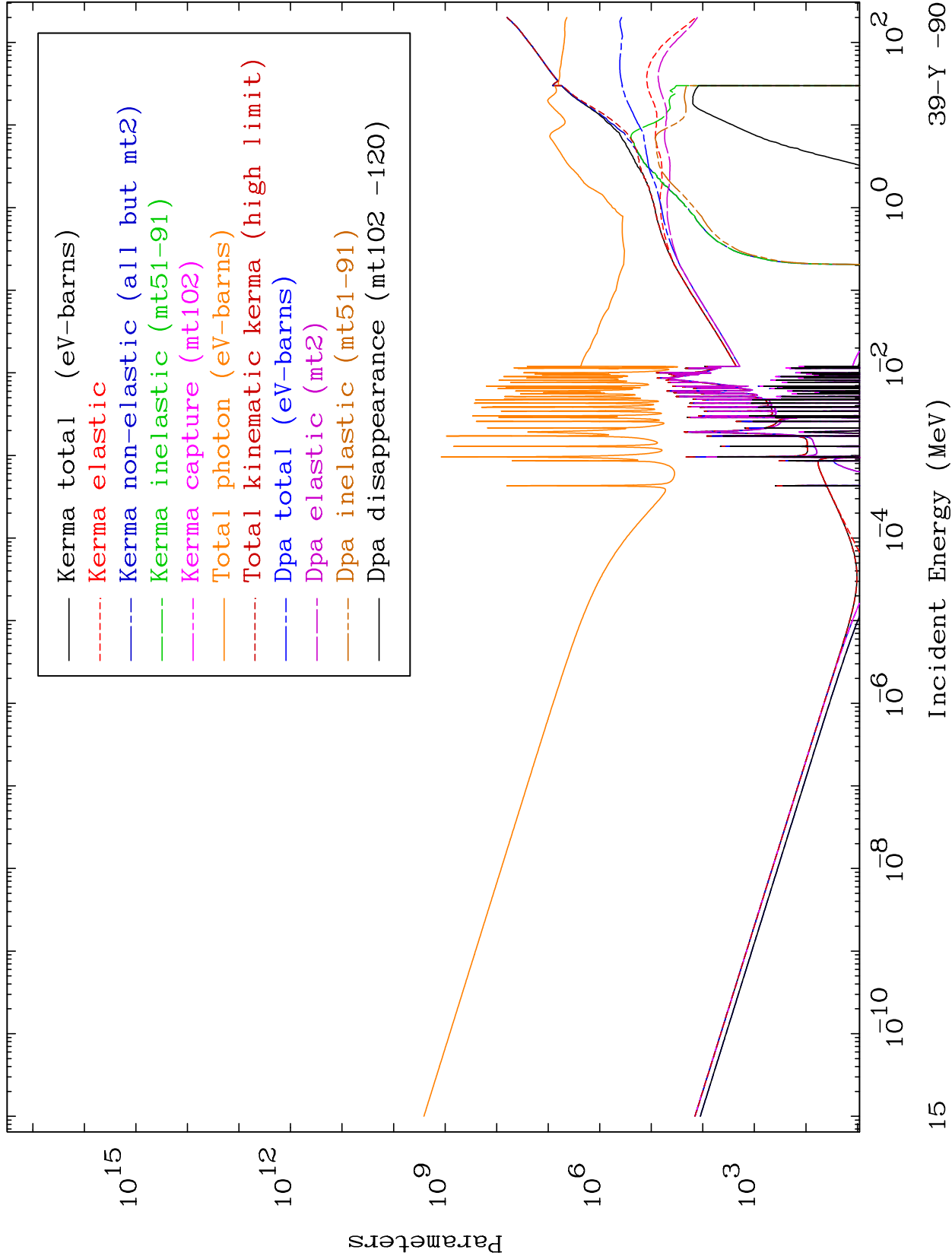


MAT 3928

(n, α) Levels
293 Kelvin Cross Sections

39-Y -90

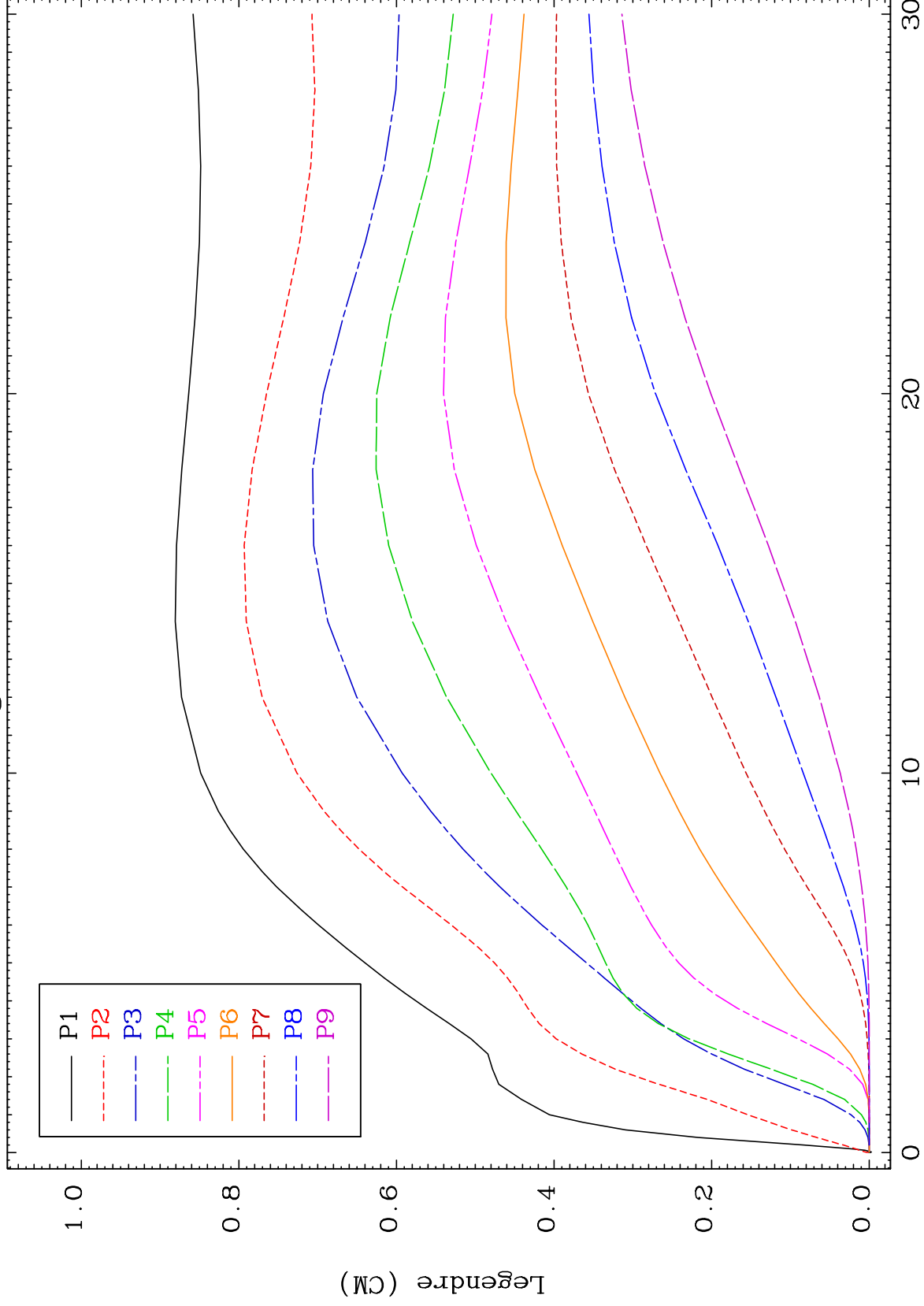




MAT 3928

Elastic Legendre Coefficients

39-Y -90



16

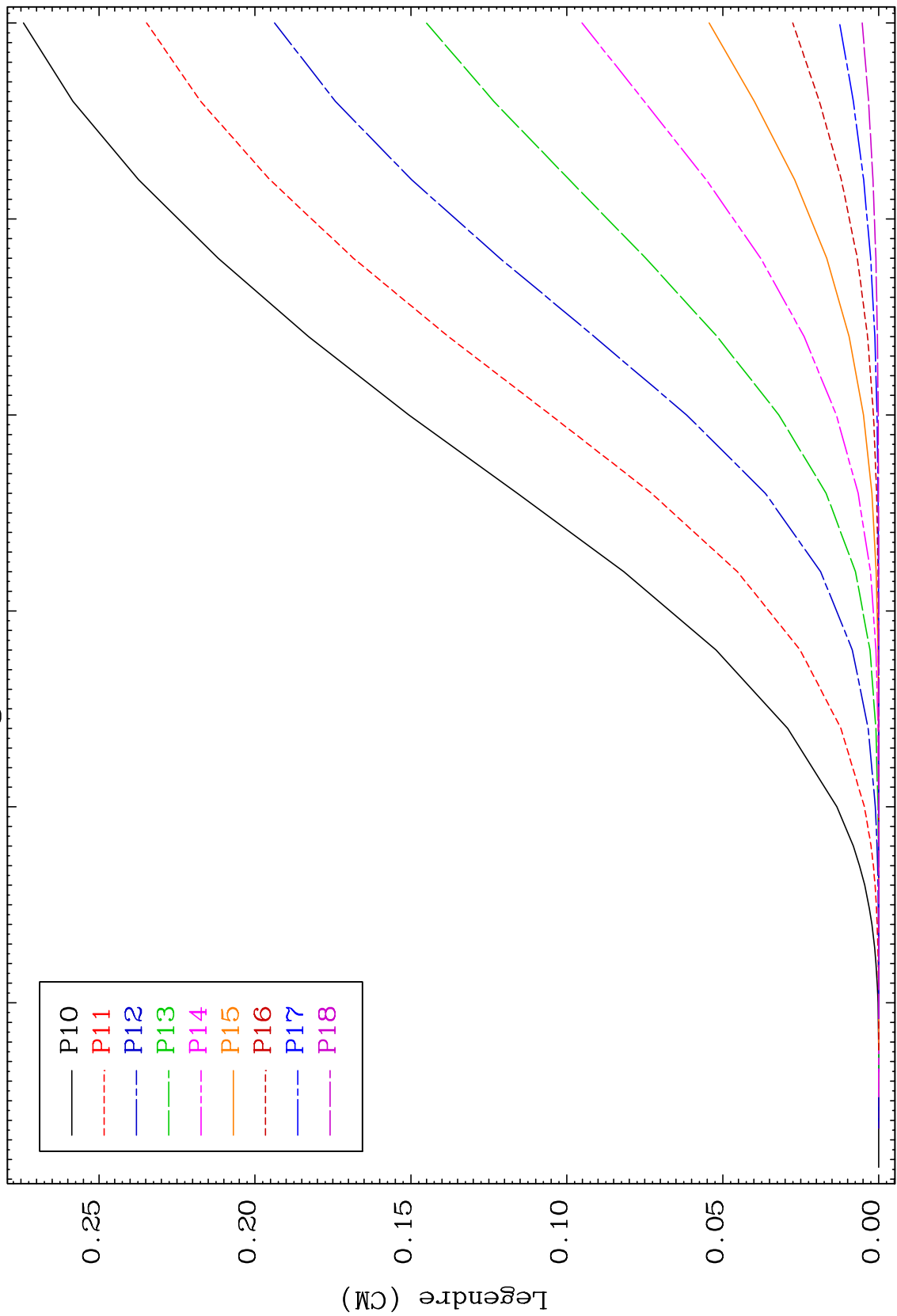
Incident Energy (MeV)

39-Y -90

MAT 3928

Elastic Legendre Coefficients

39-Y -90



17

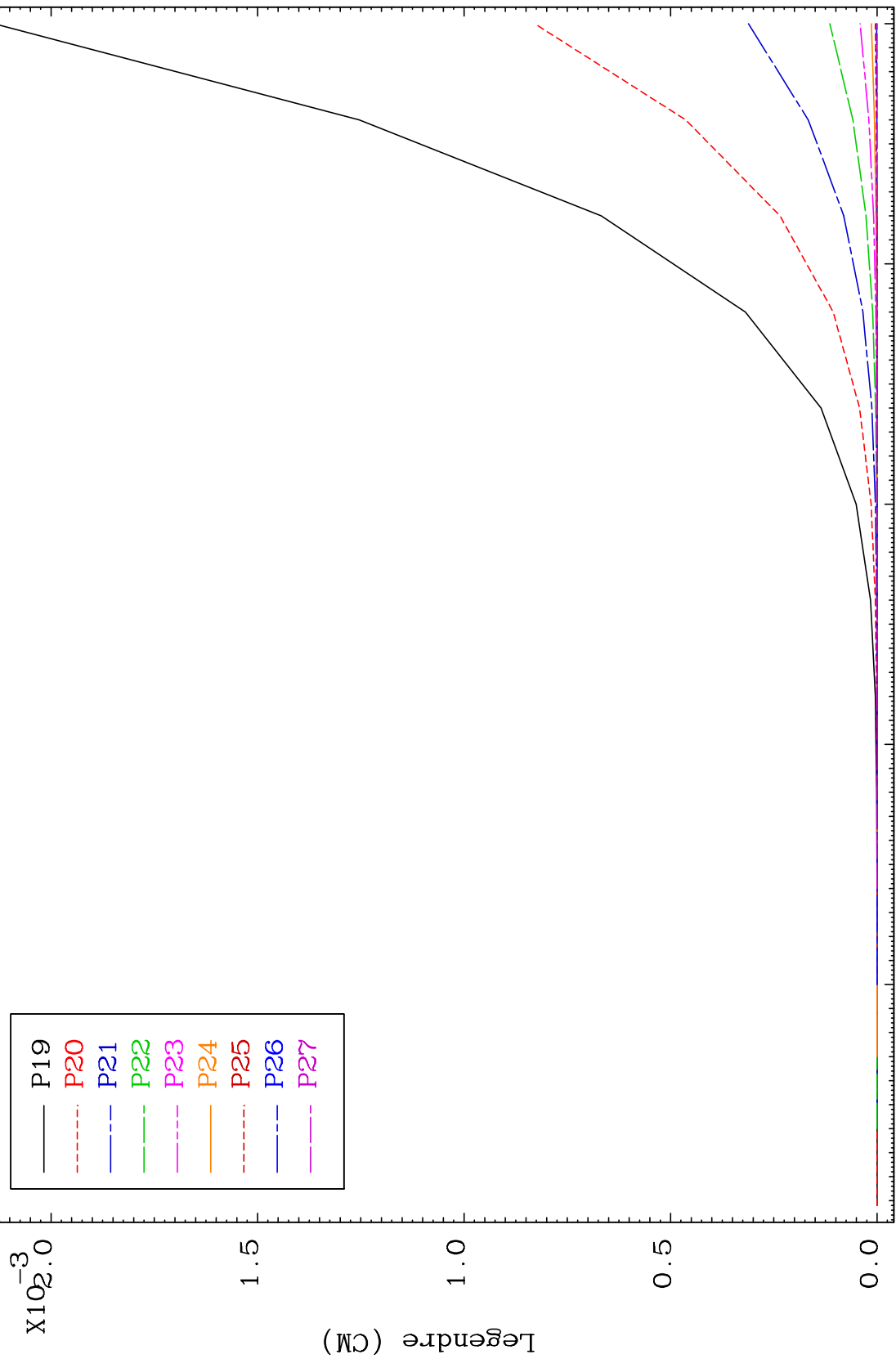
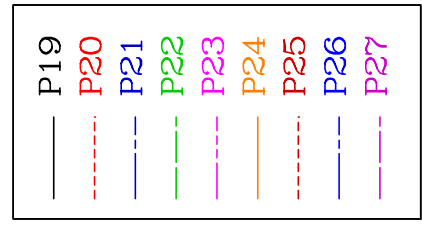
Incident Energy (MeV)

39-Y -90

MAT 3928

Elastic Legendre Coefficients

39-Y -90



18

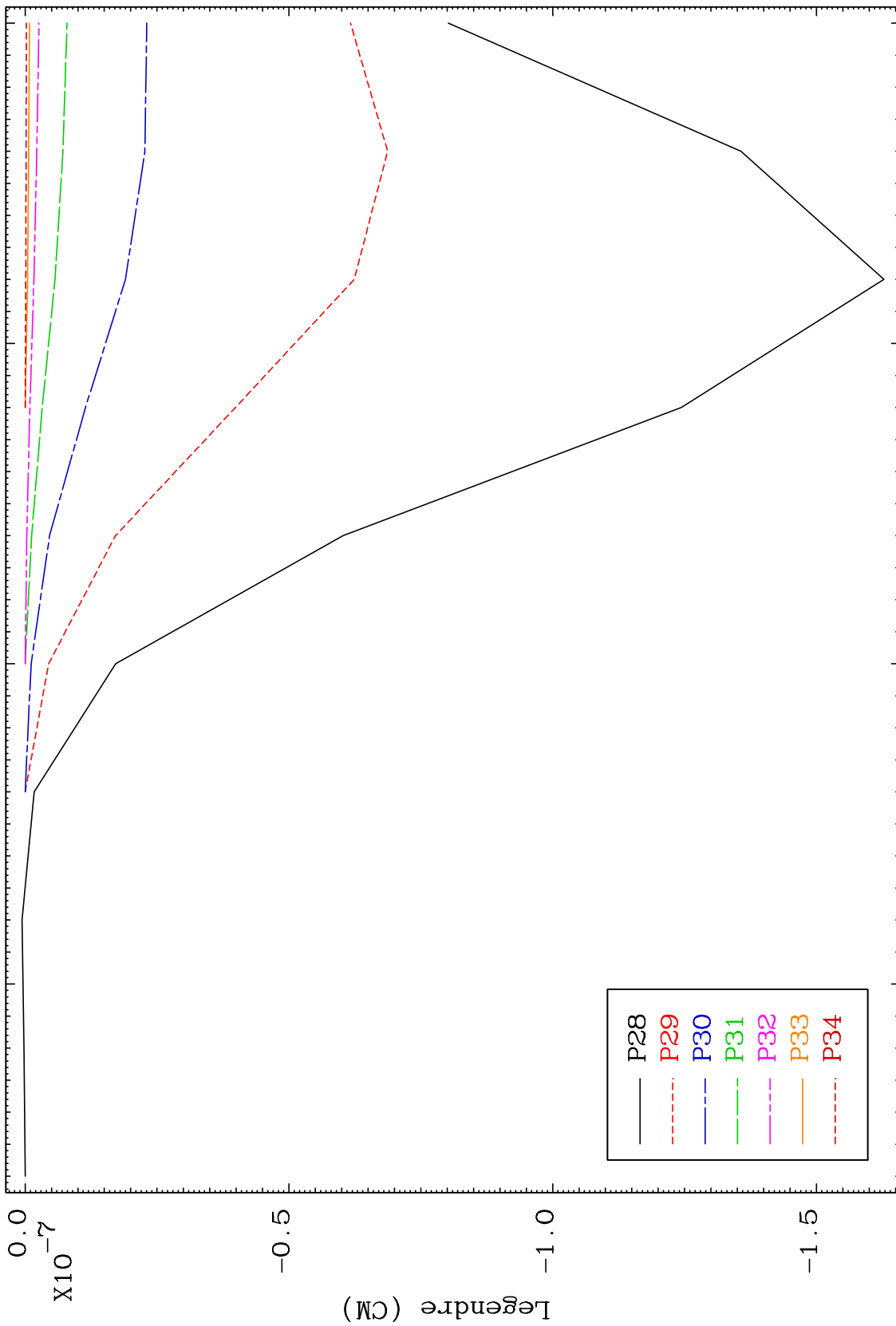
Incident Energy (MeV)

39-Y -90

MAT 3928

39-Y -90

Elastic Legendre Coefficients



19

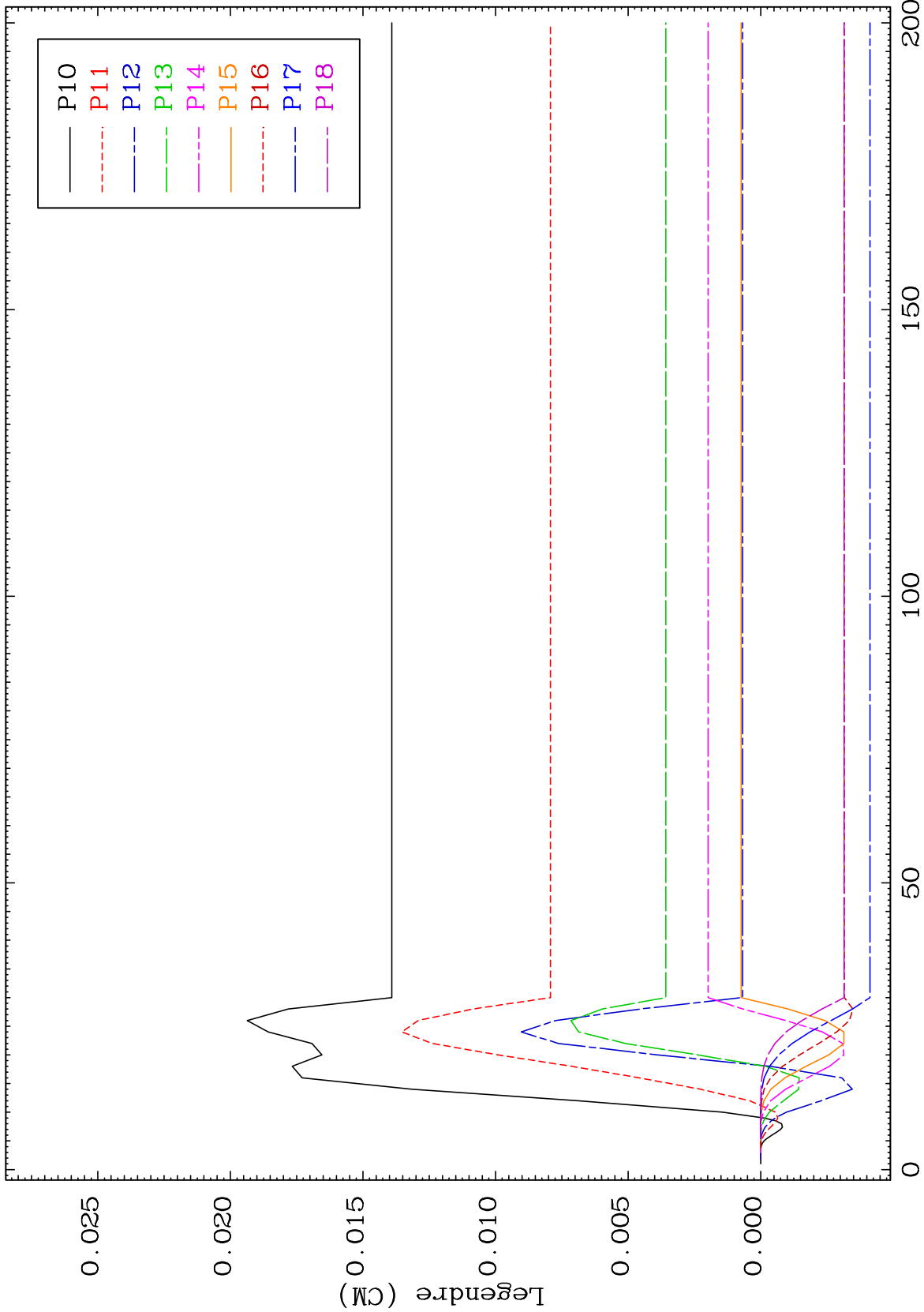
Incident Energy (MeV)

39-Y -90

MAT 3928

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

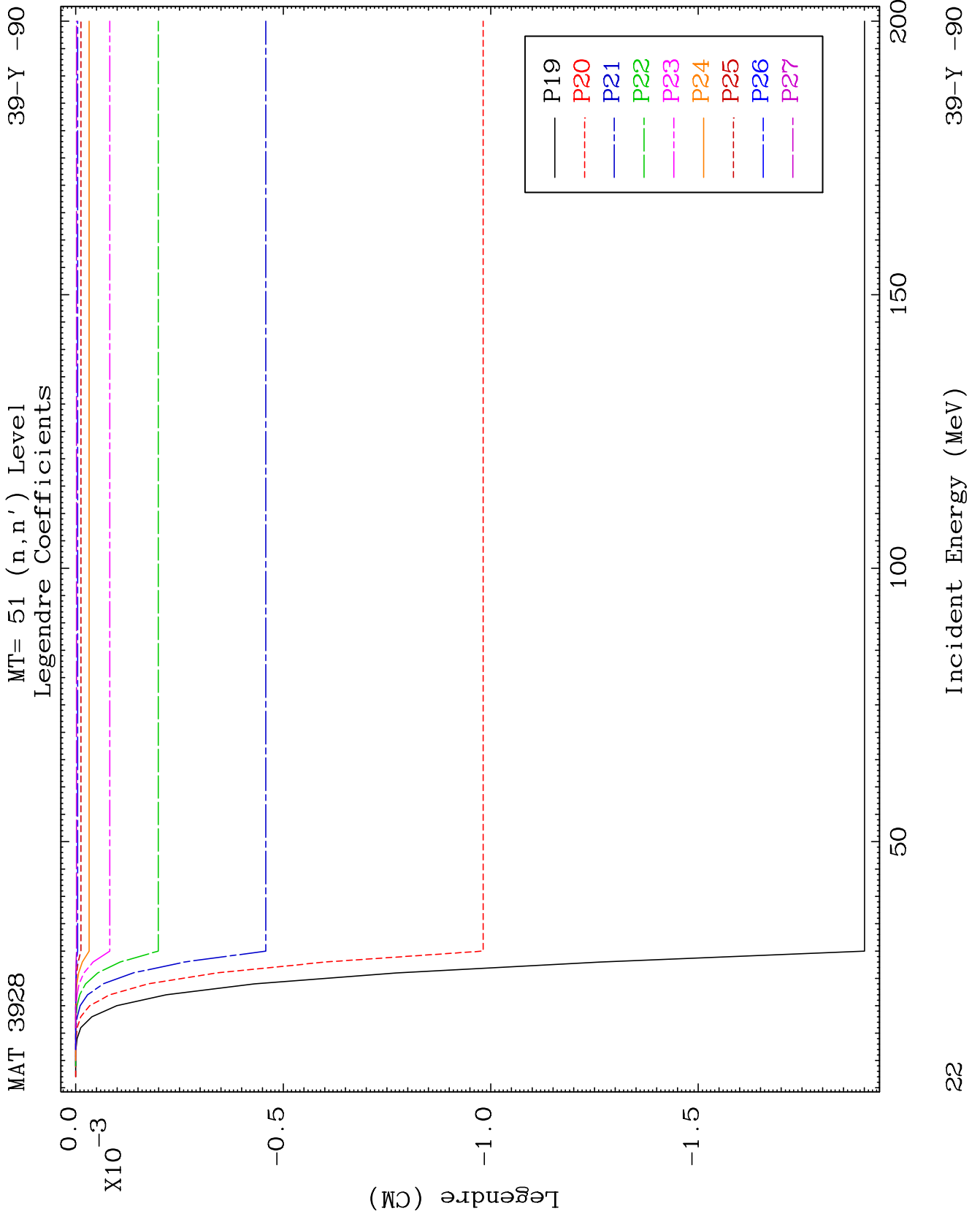
39-Y -90

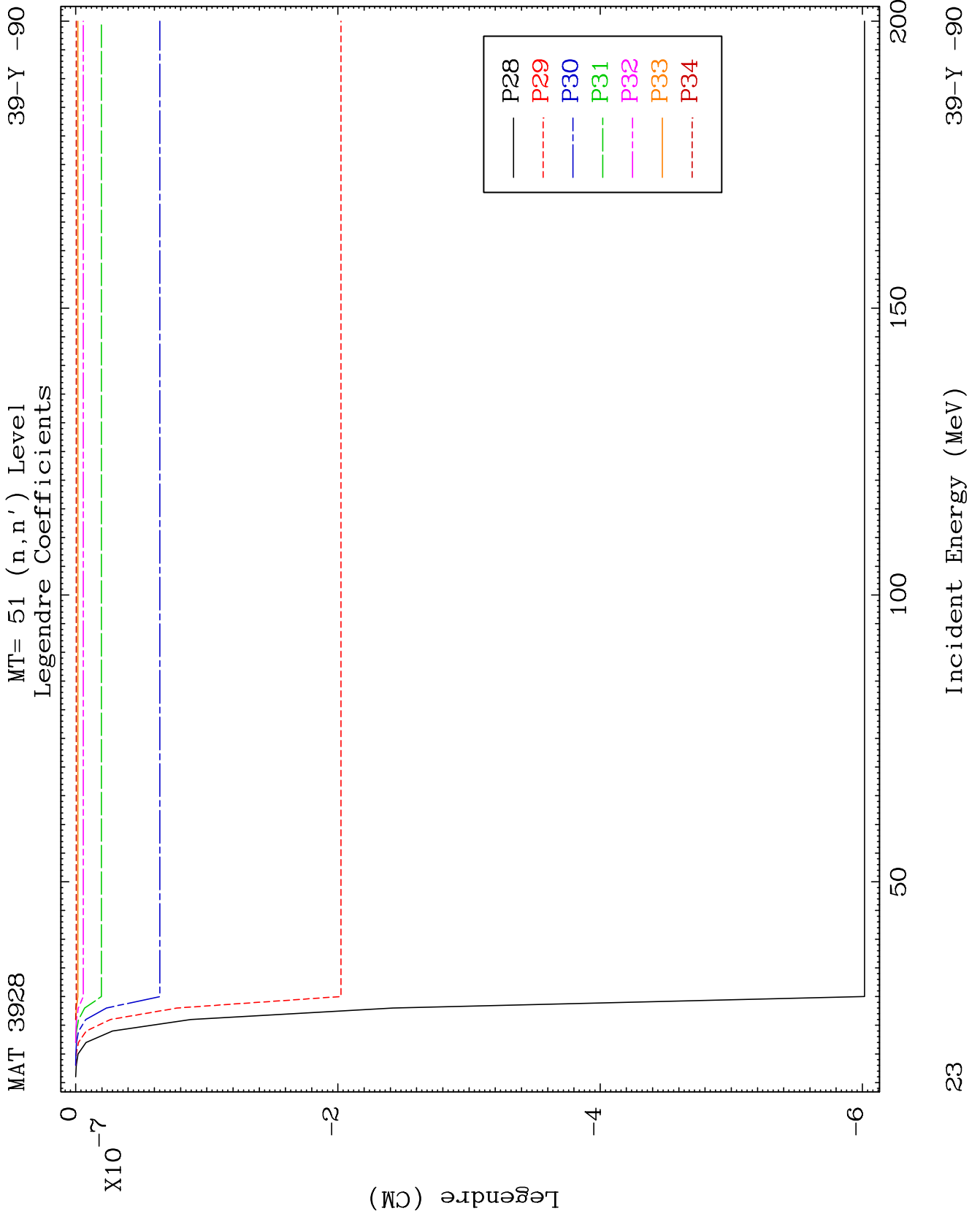


21

Incident Energy (MeV)

39-Y -90

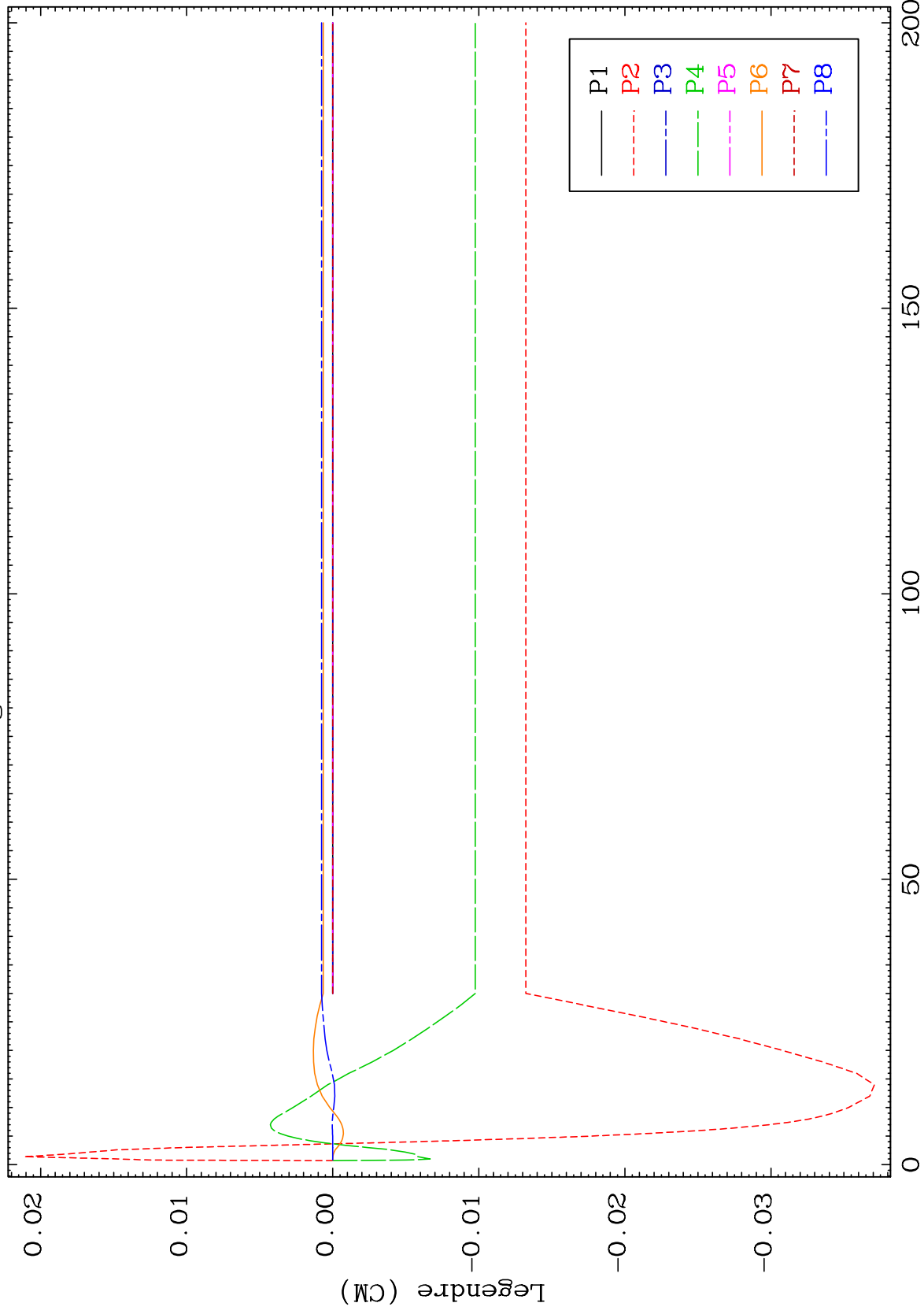




MAT 3928

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

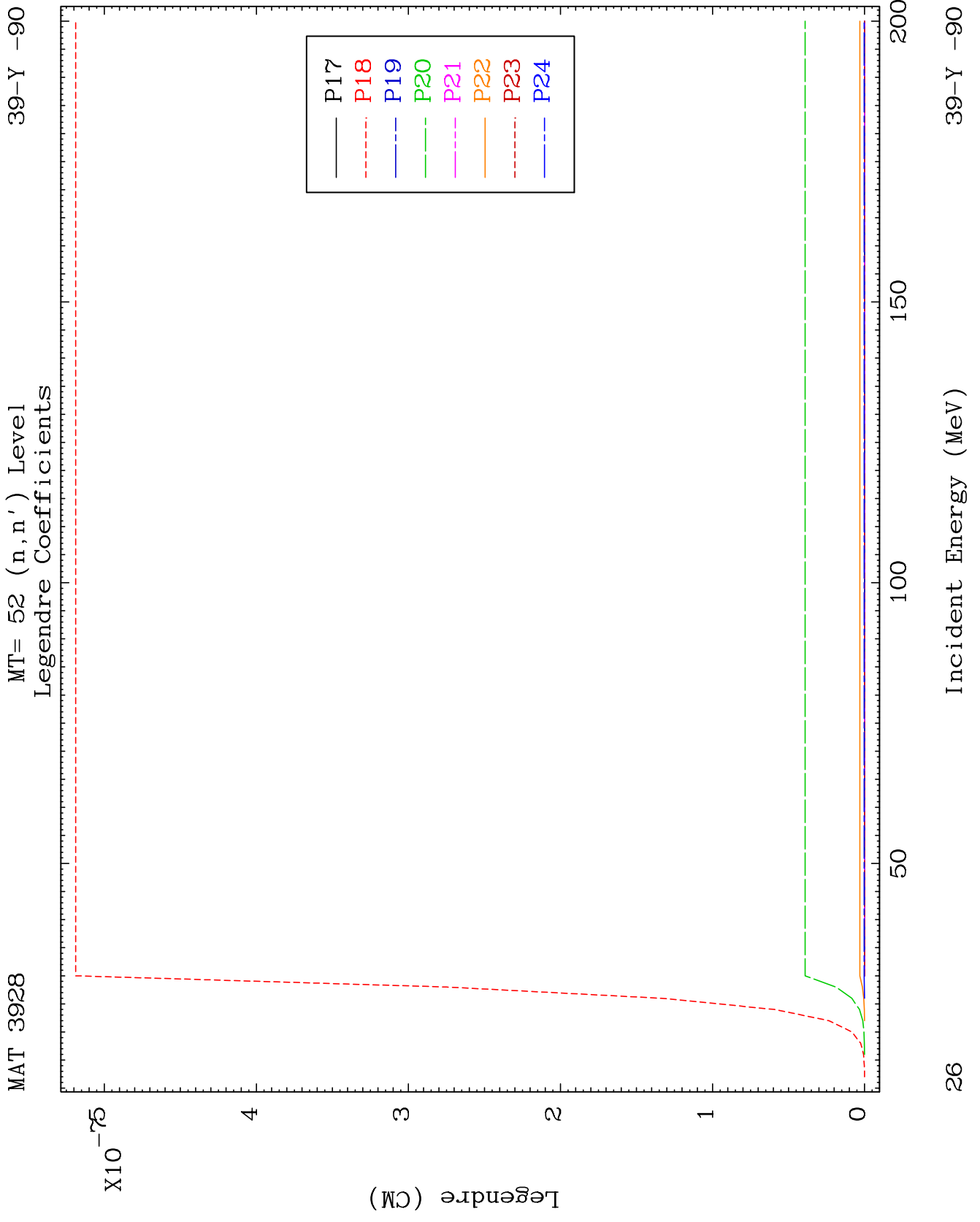
39-Y -90

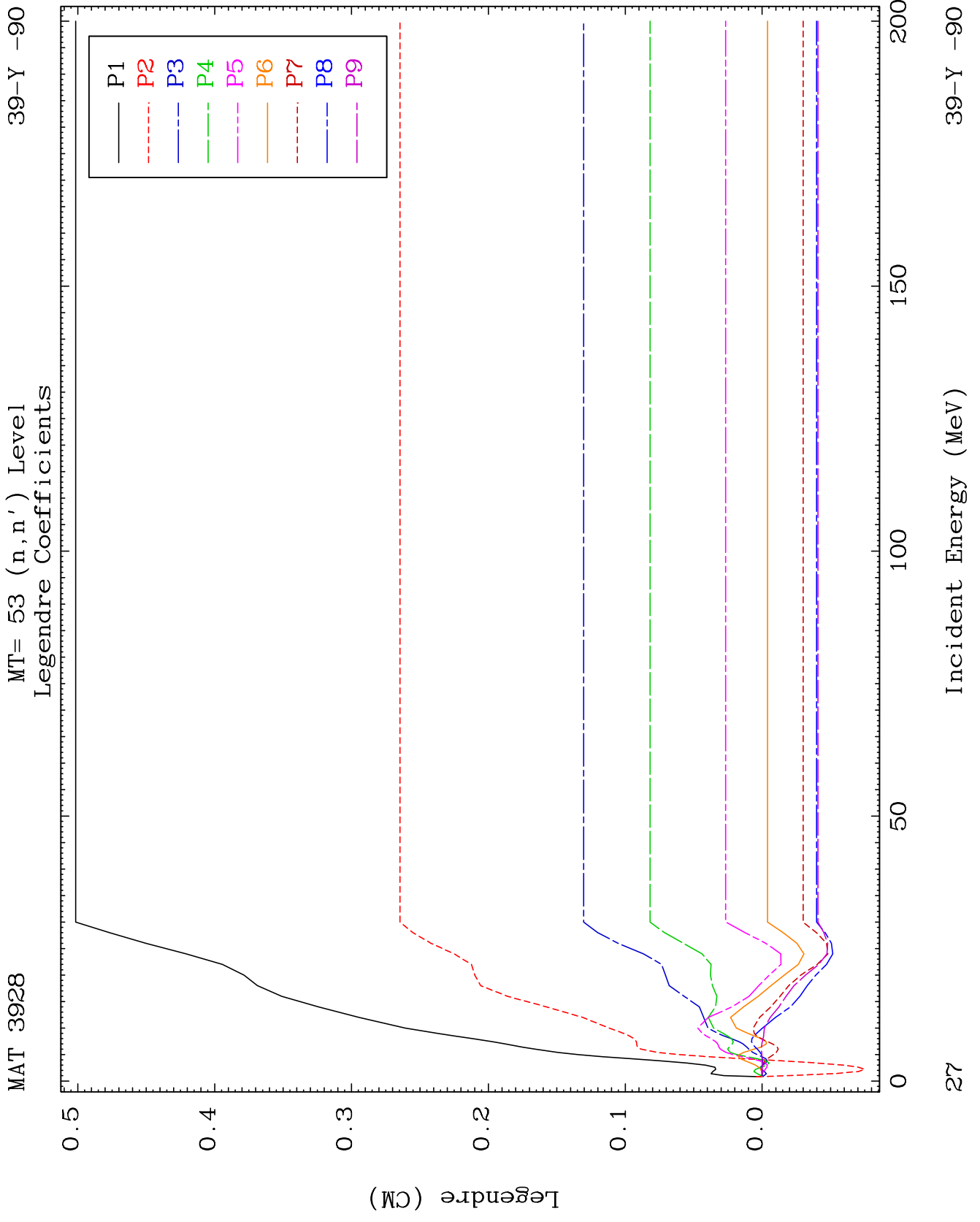


24

Incident Energy (MeV)

39-Y -90

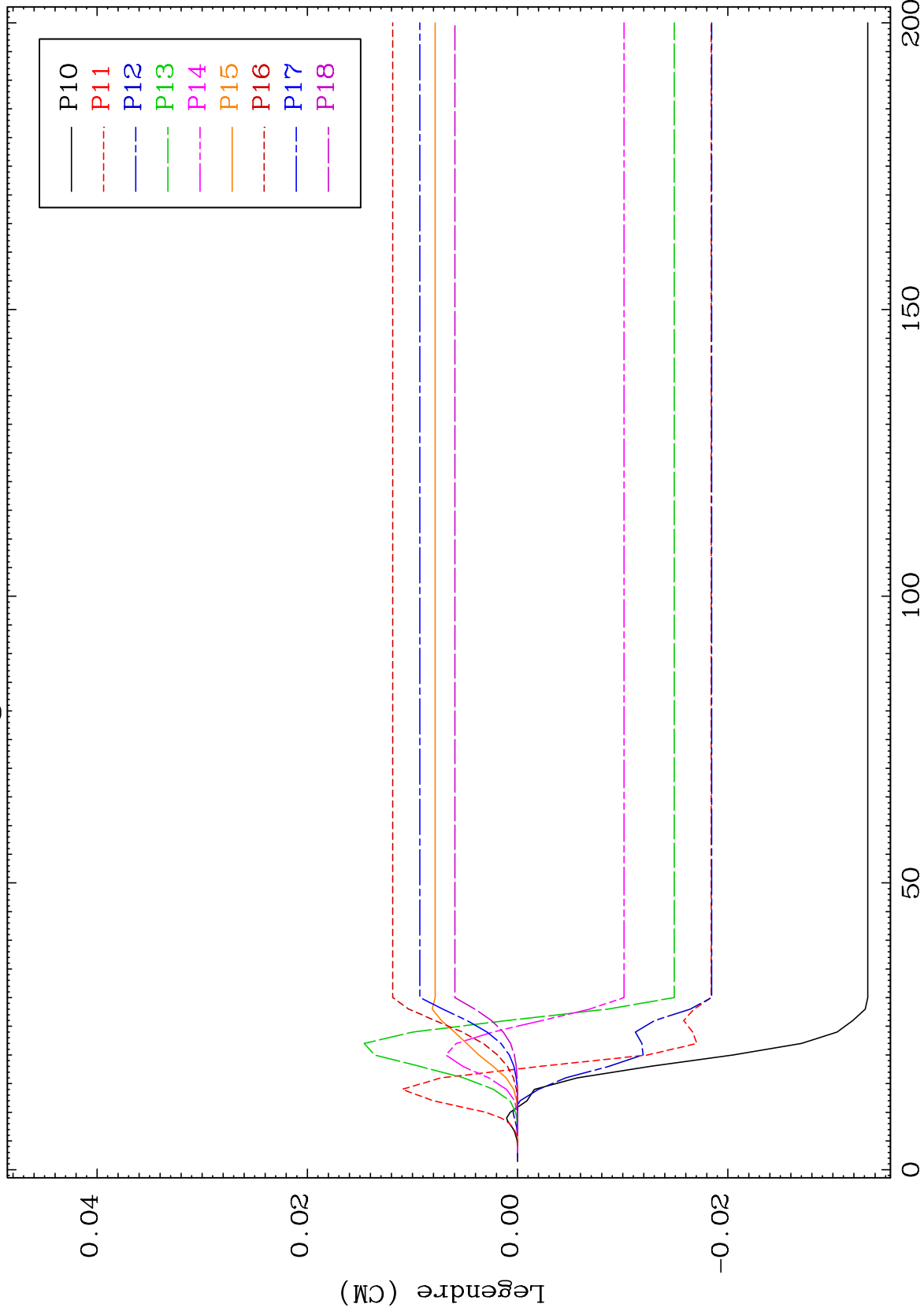




MAT 3928

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

39-Y -90



28

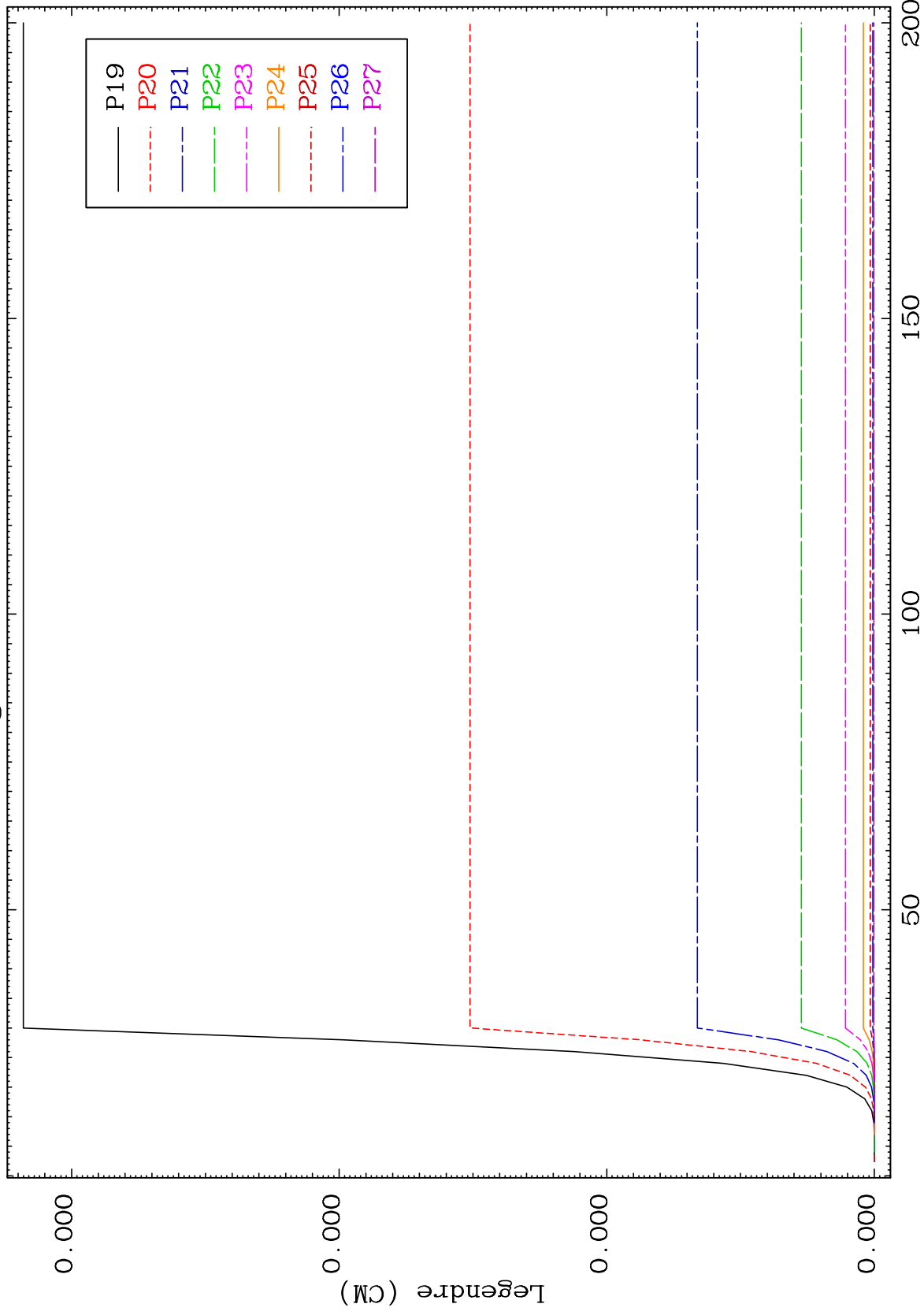
Incident Energy (MeV)

39-Y -90

MAT 3928

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

39-Y -90



29

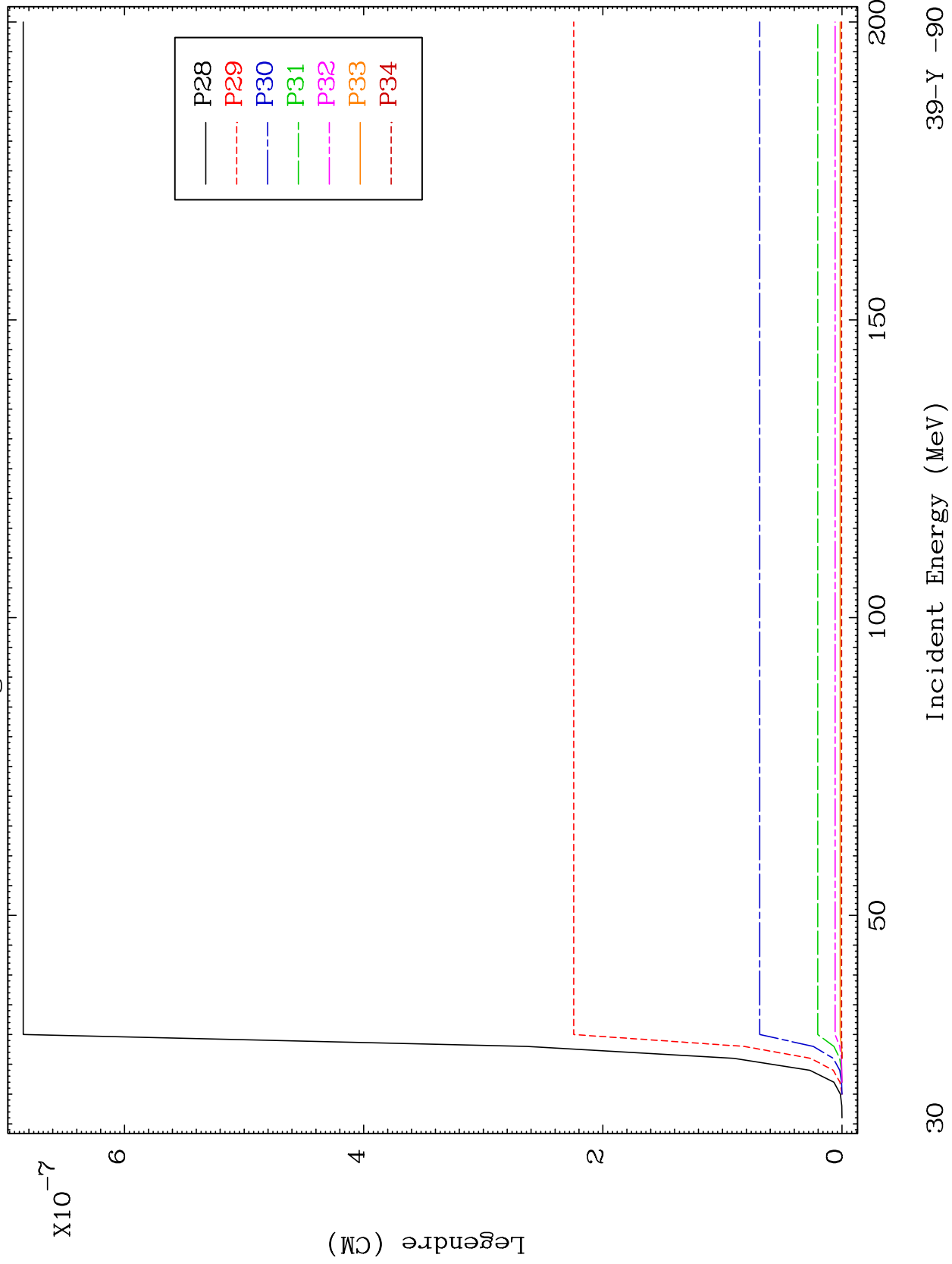
Incident Energy (MeV)

39-Y -90

MAT 3928

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

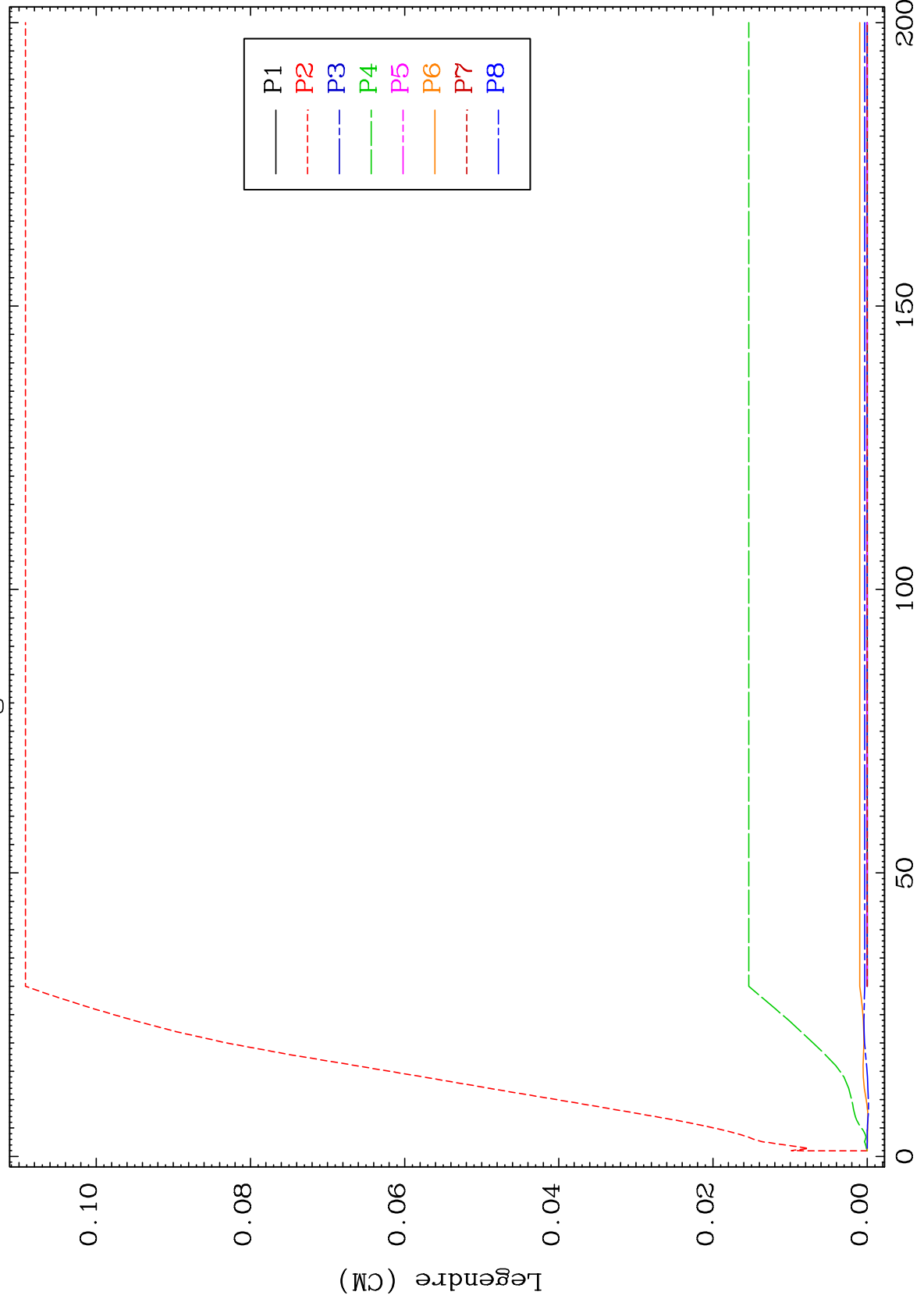
39-Y -90



MAT 3928

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

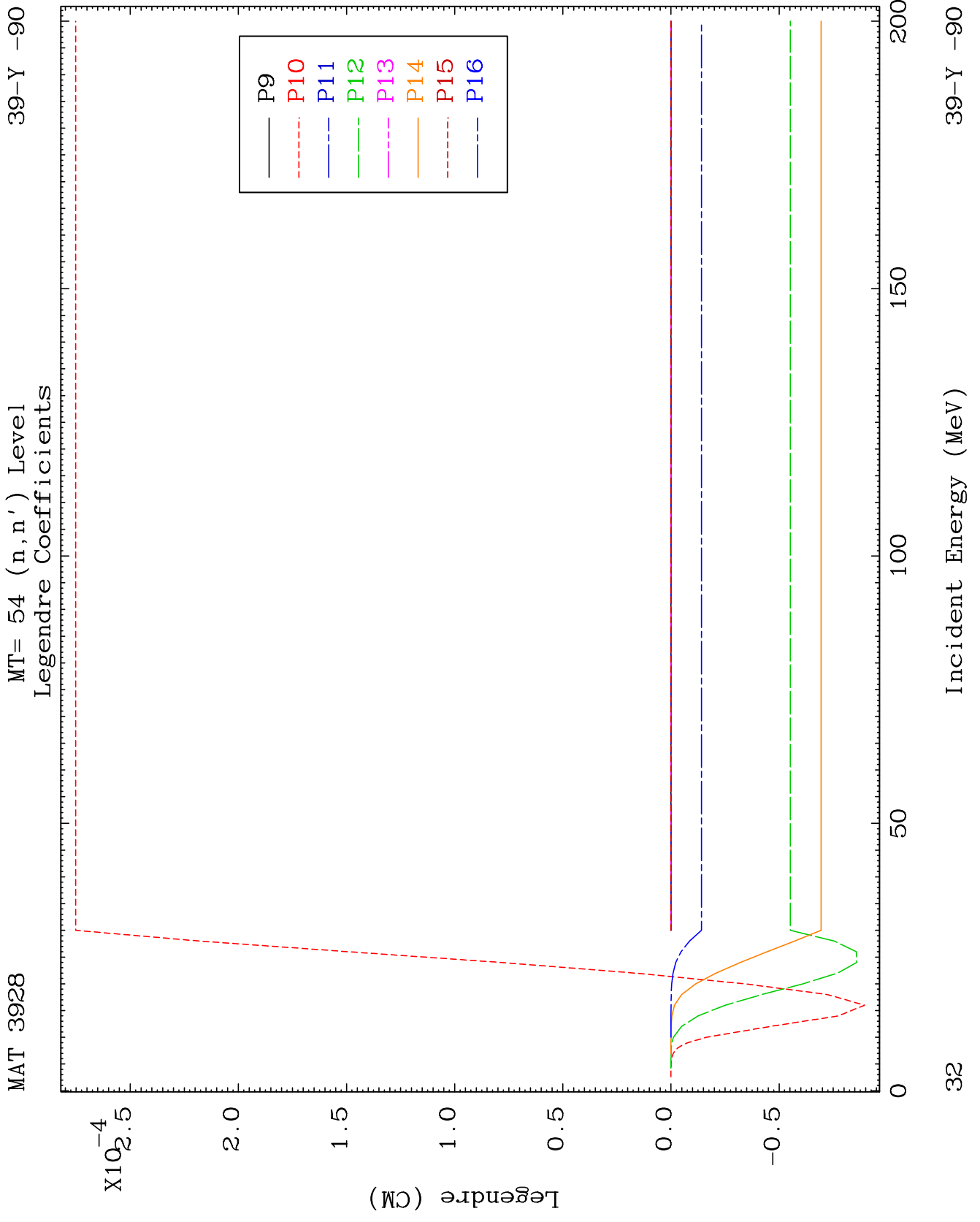
39-Y -90

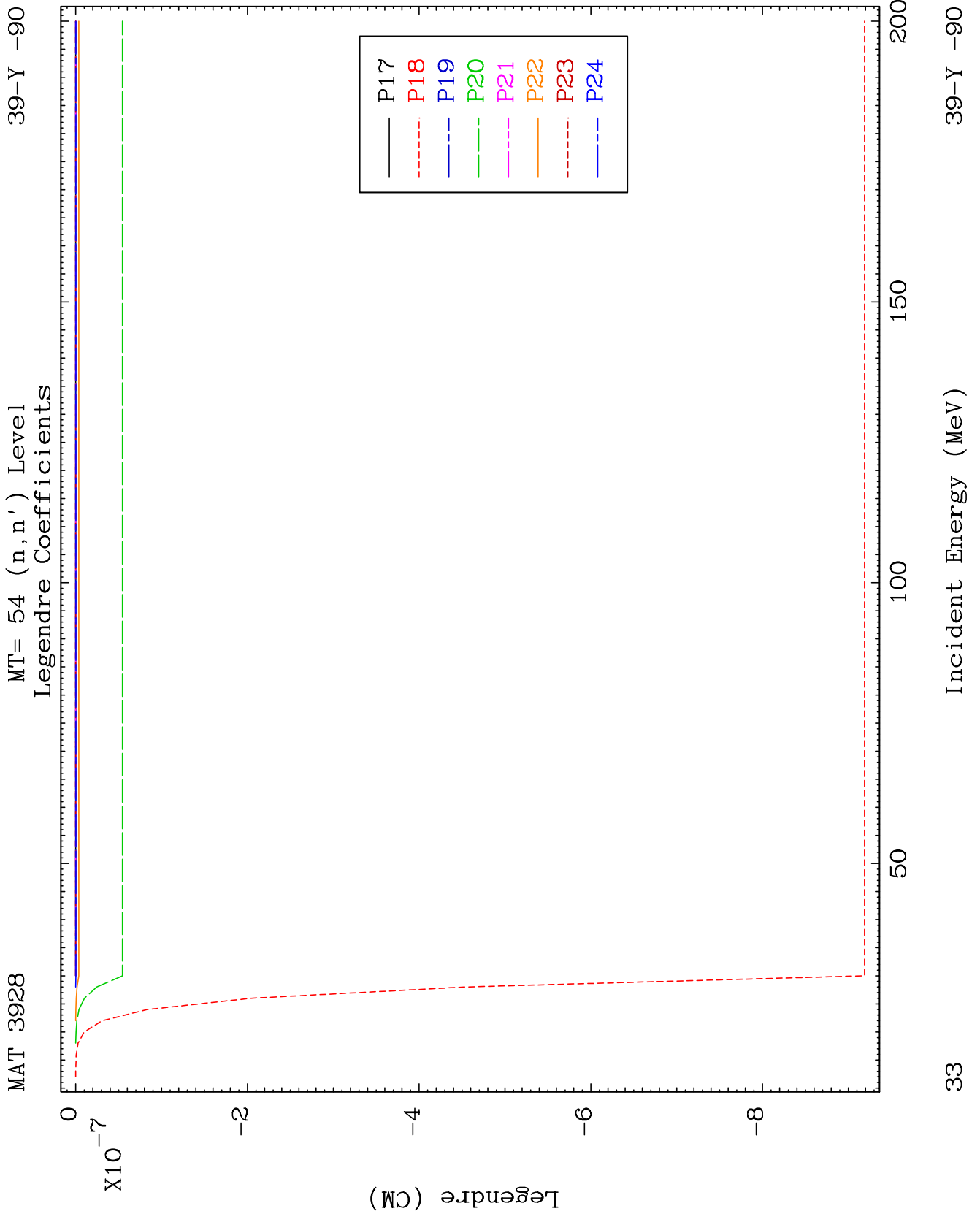


31

Incident Energy (MeV)

39-Y -90

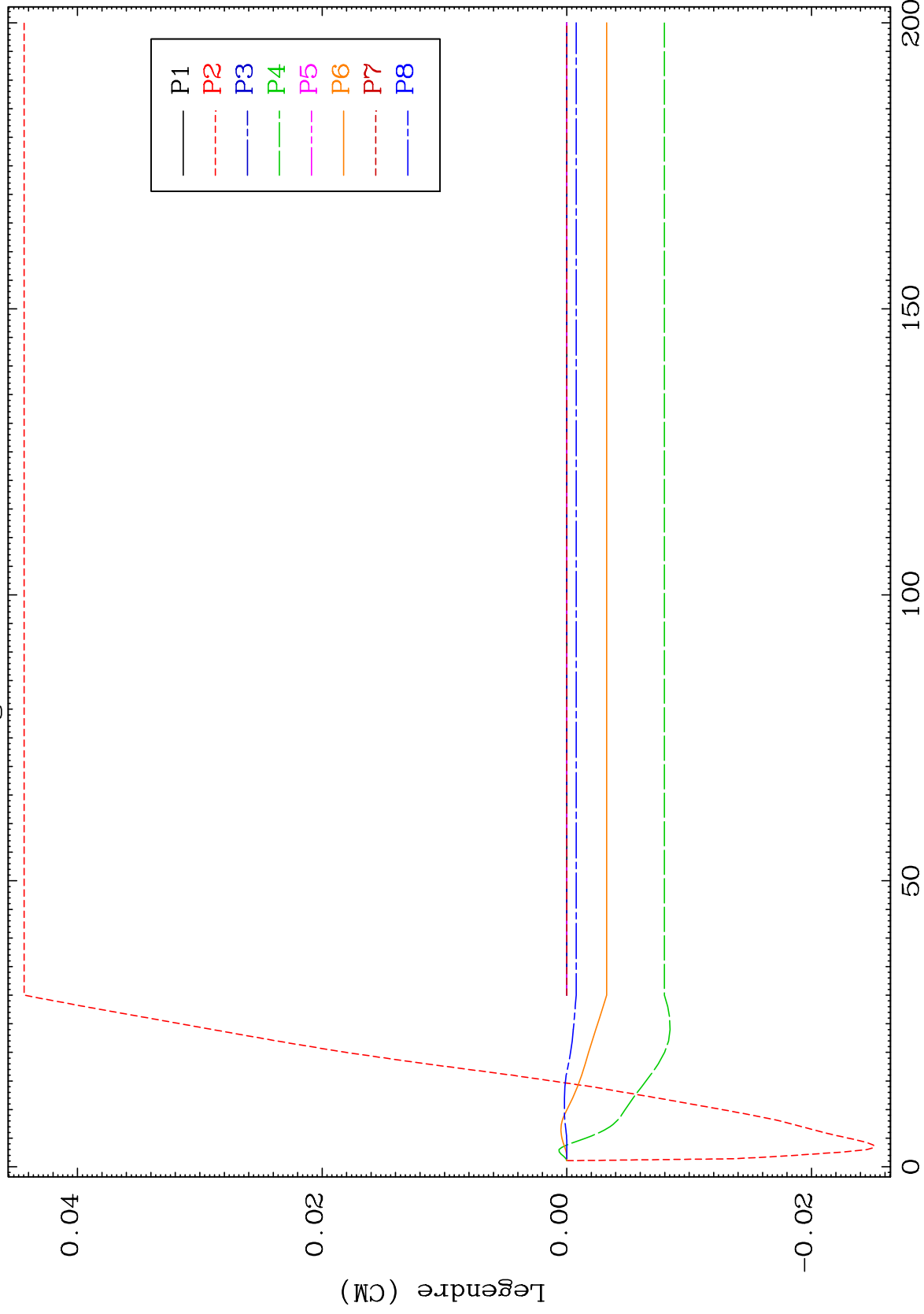




MAT 3928

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

39-Y -90



34

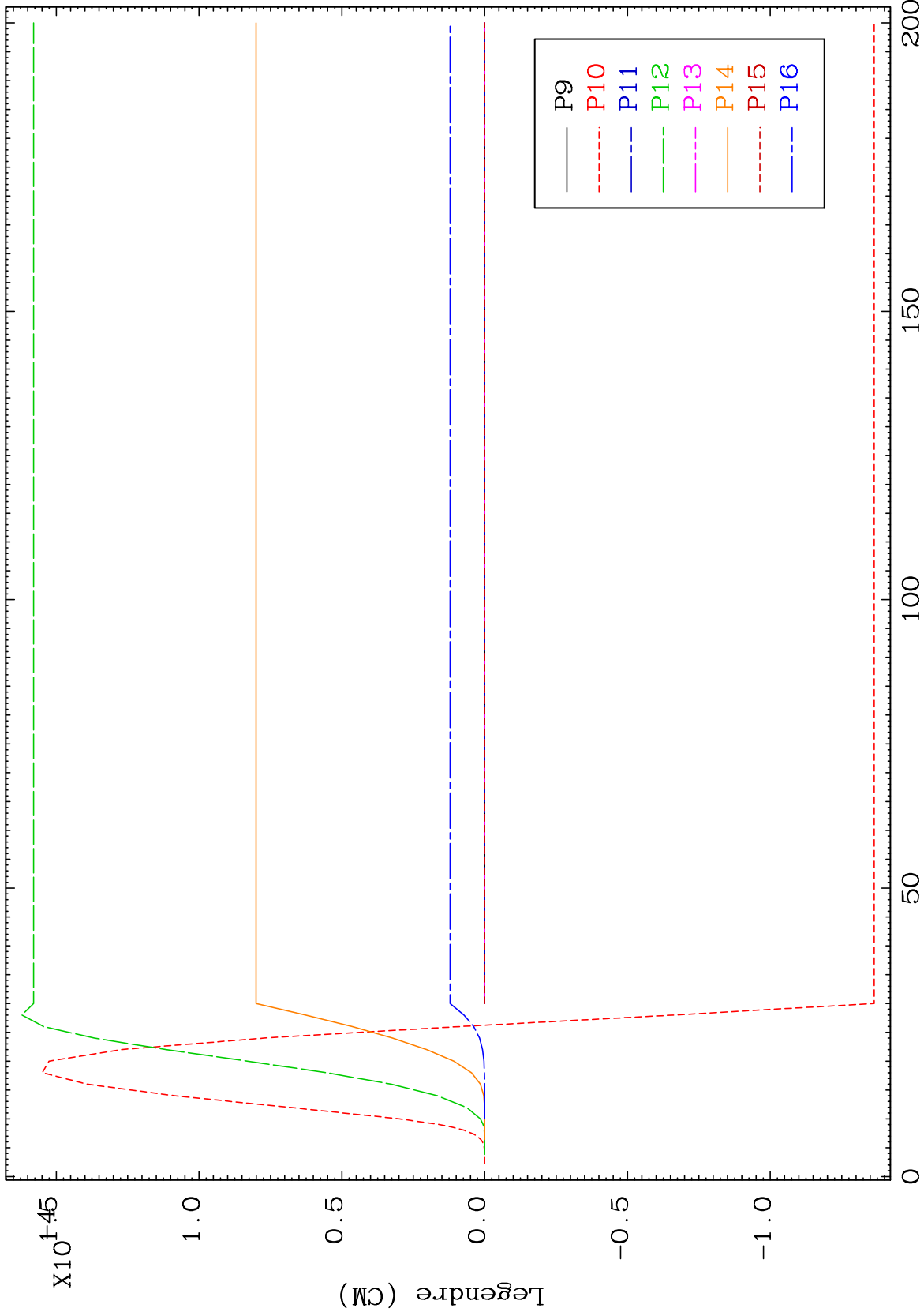
Incident Energy (MeV)

39-Y -90

MAT 3928

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

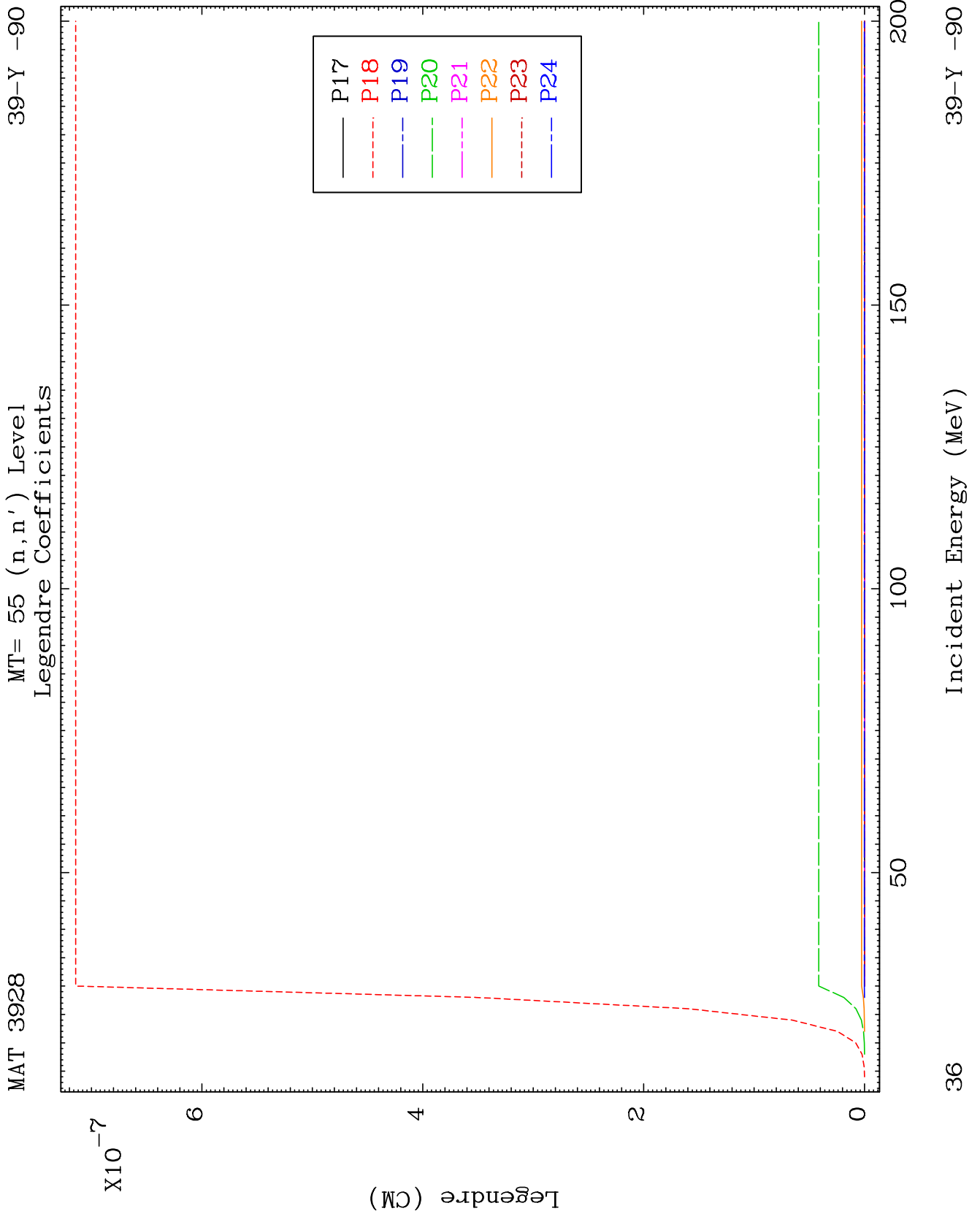
39-Y -90



35

Incident Energy (MeV)

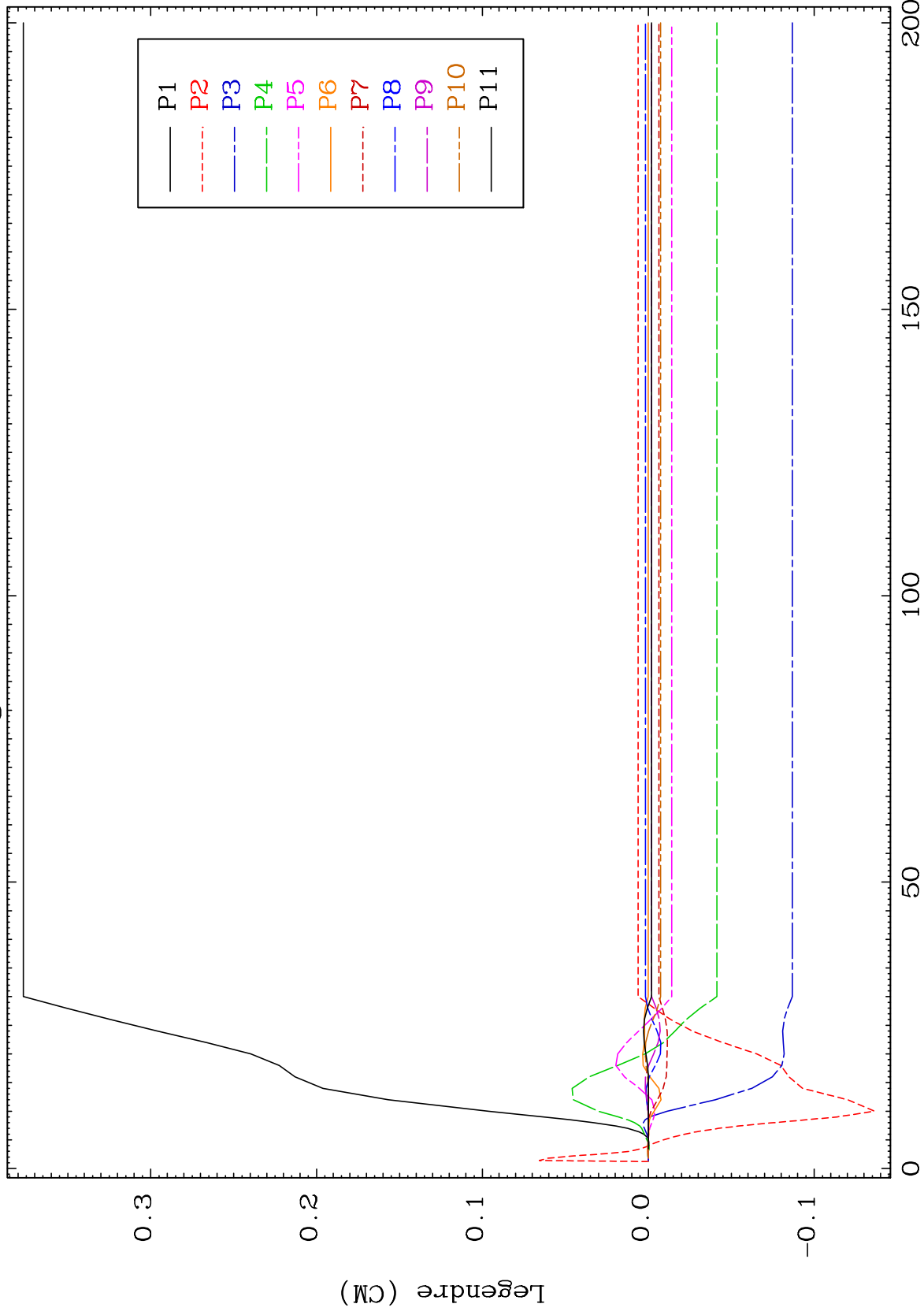
39-Y -90



MAT 3928

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

39-Y -90



37

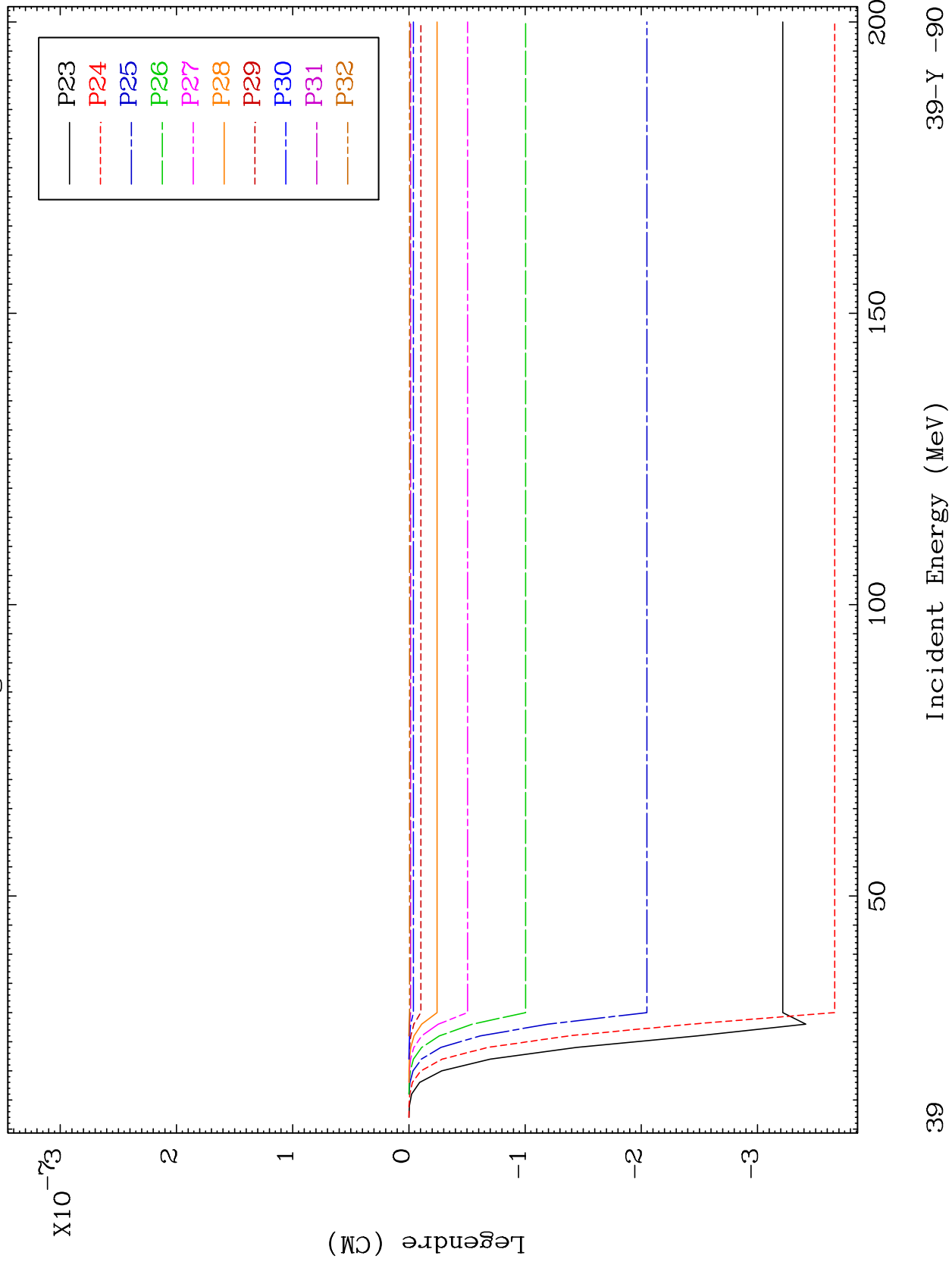
Incident Energy (MeV)

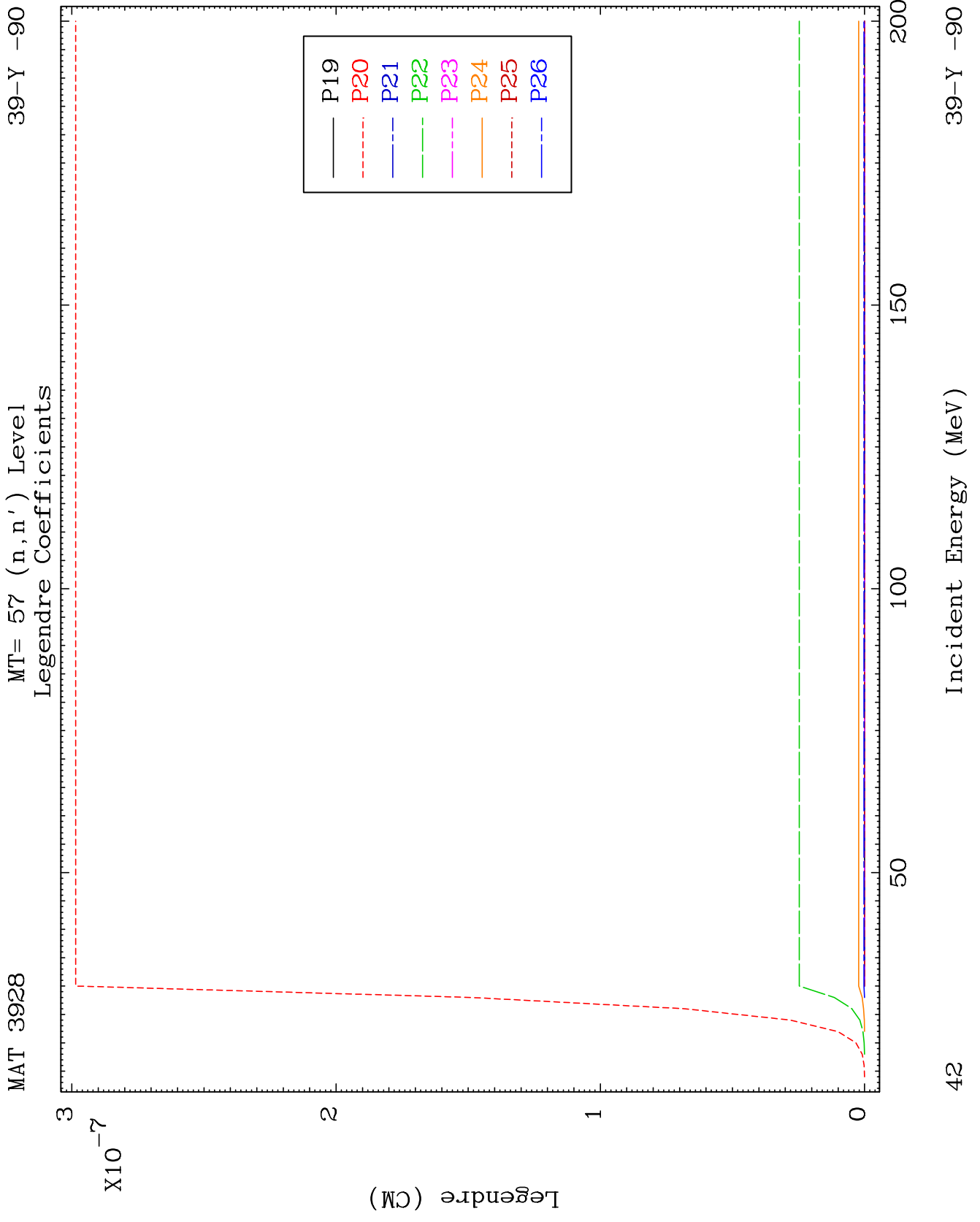
39-Y -90

MAT 3928

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

39-Y -90

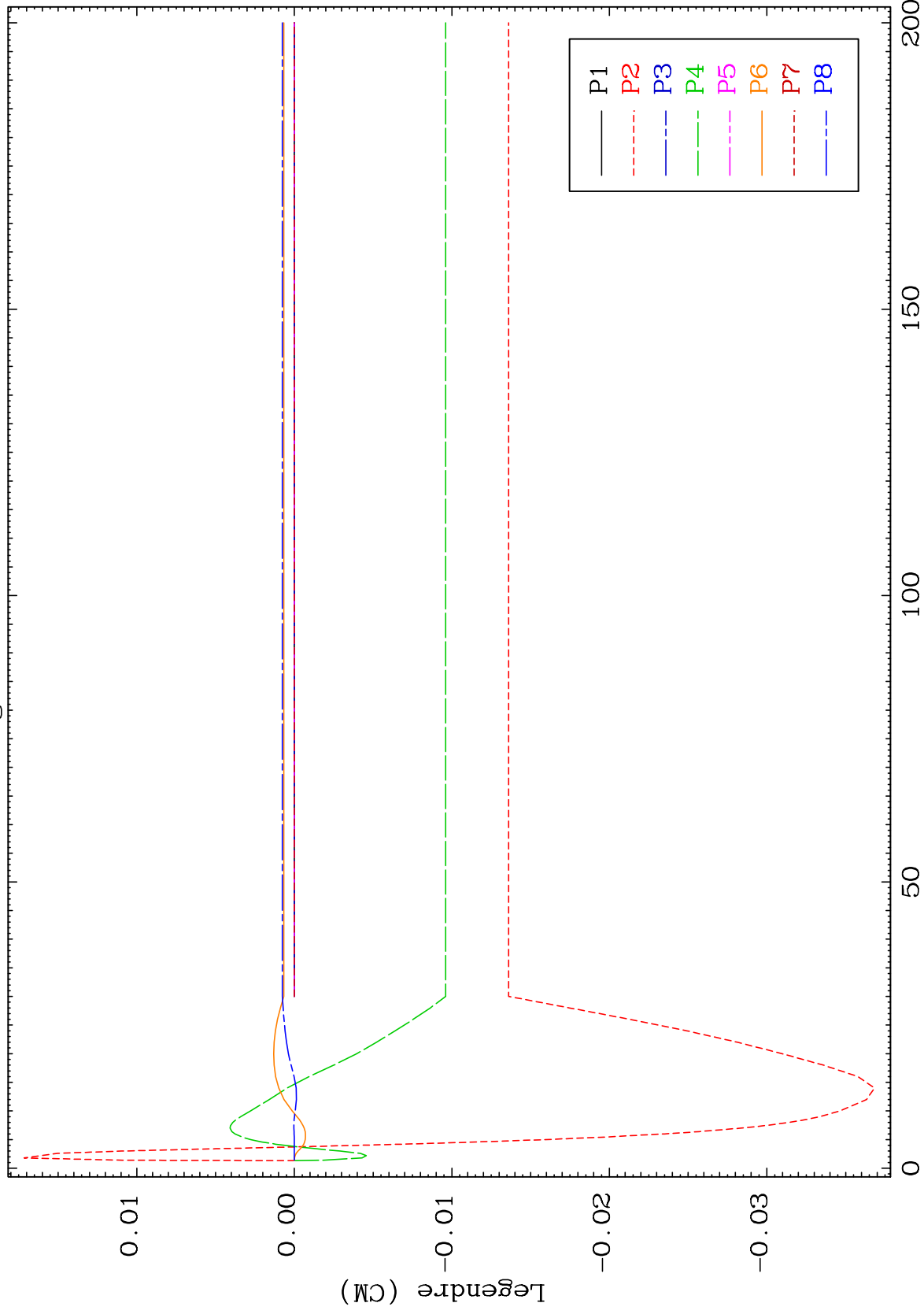




MAT 3928

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

39-Y -90



43

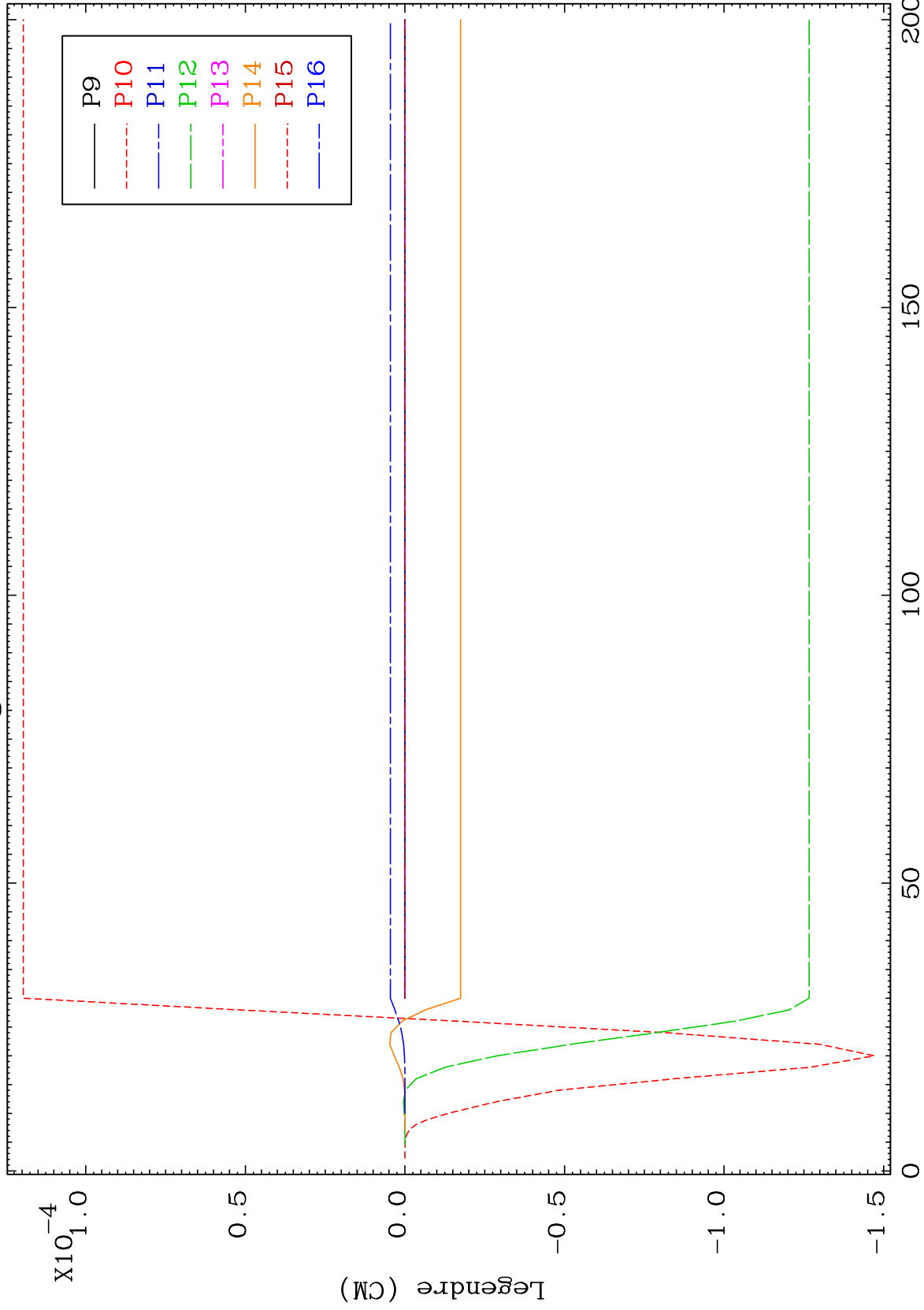
Incident Energy (MeV)

39-Y -90

MAT 3928

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

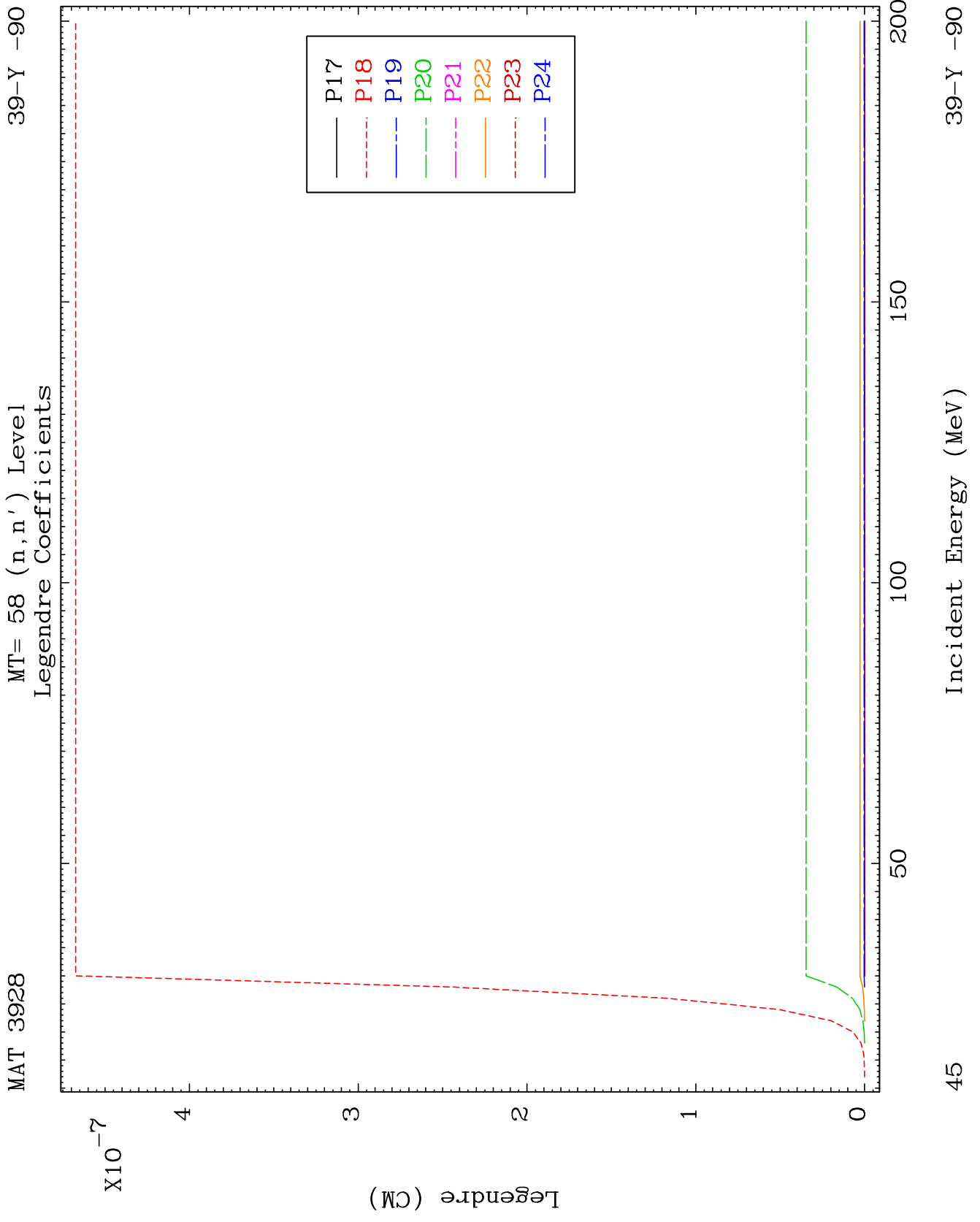
39-Y -90

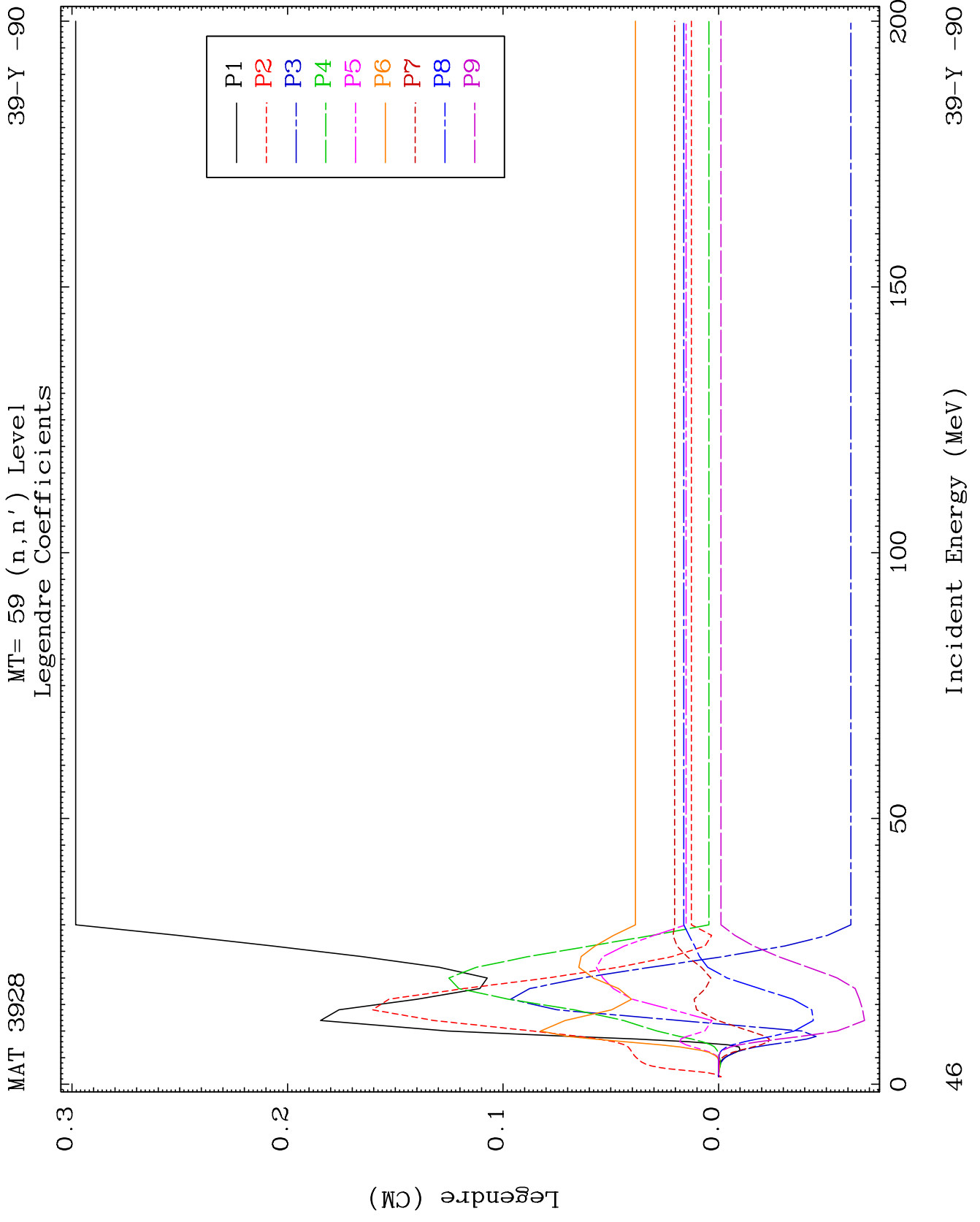


44

Incident Energy (MeV)

39-Y -90

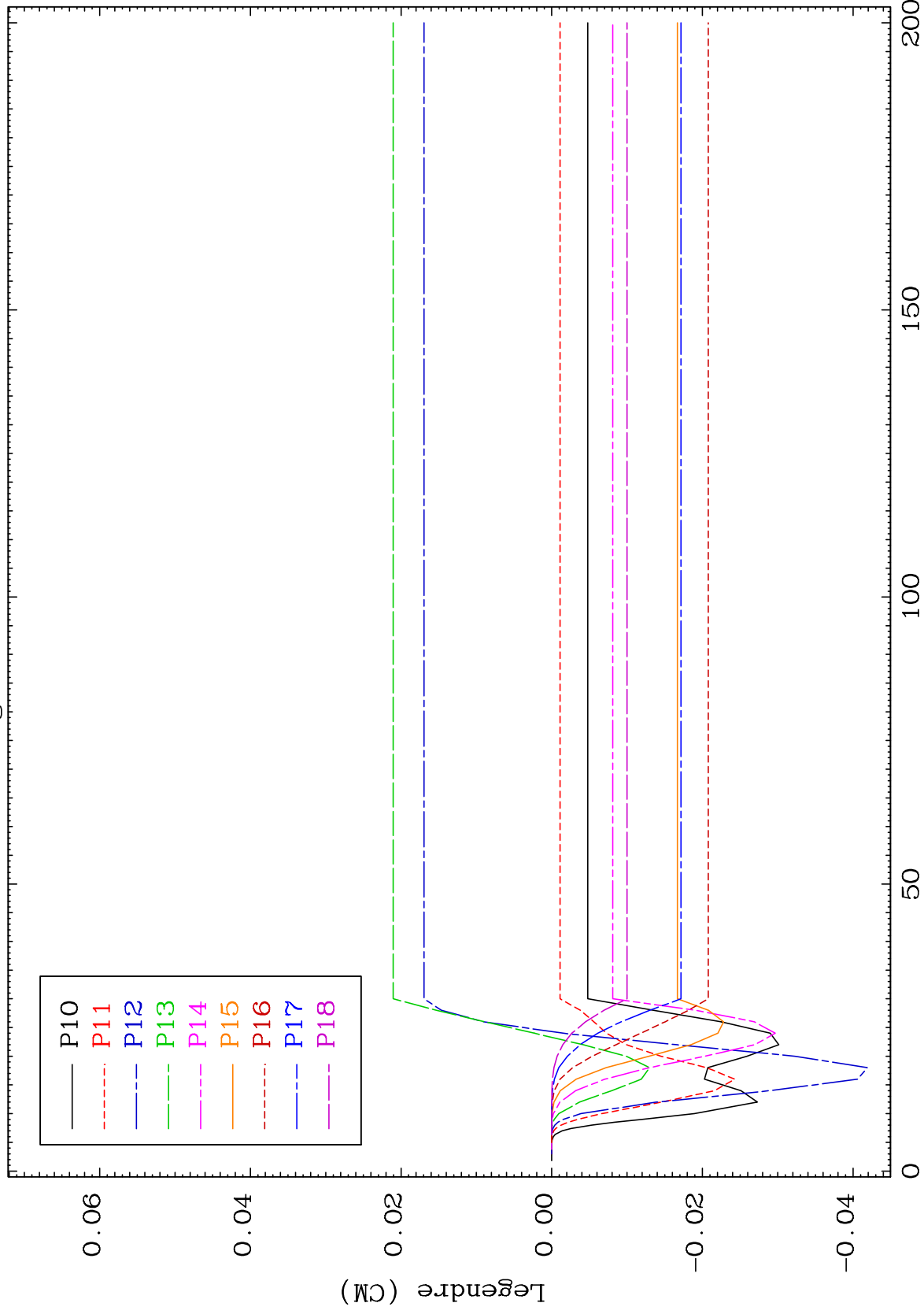




MAT 3928

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

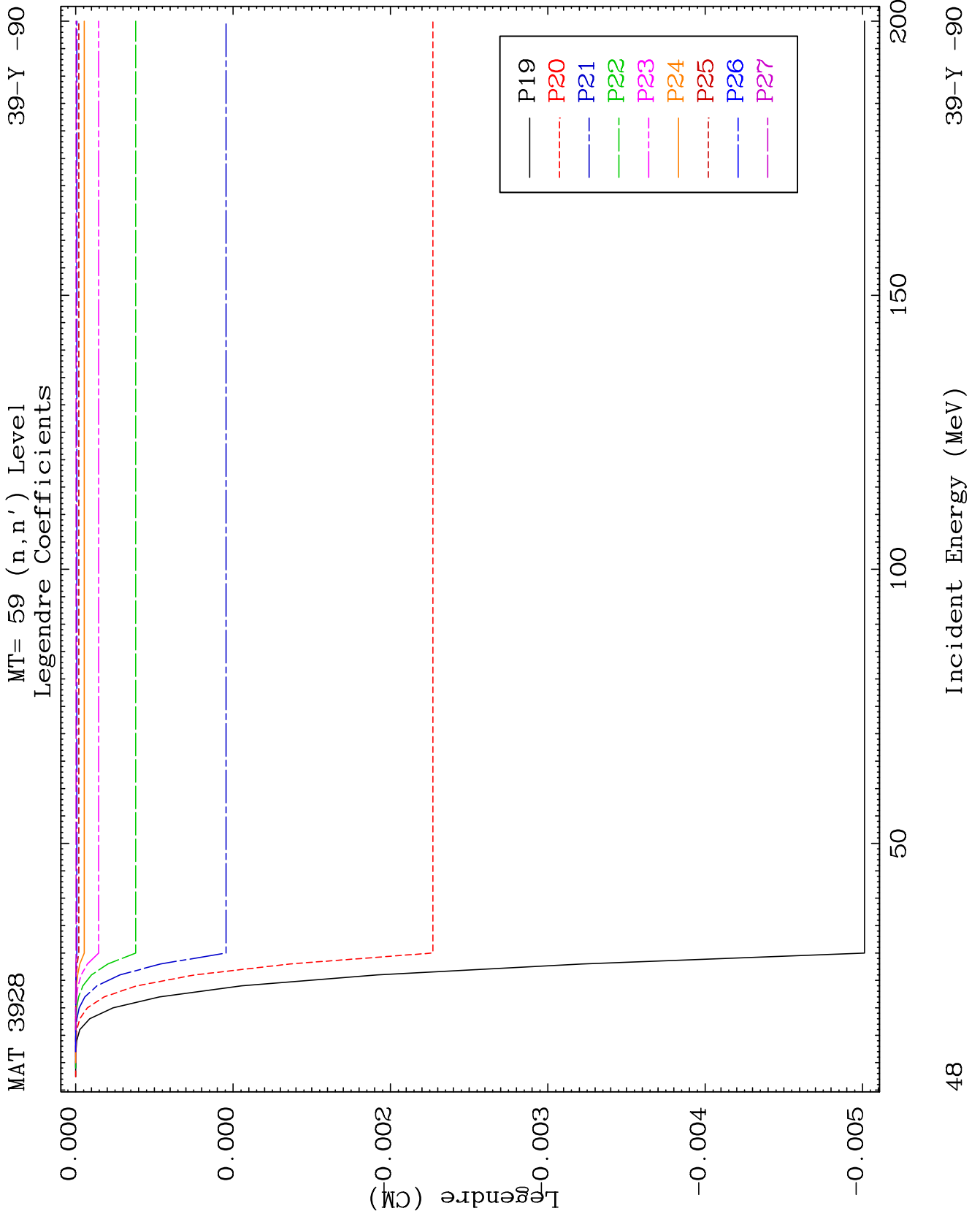
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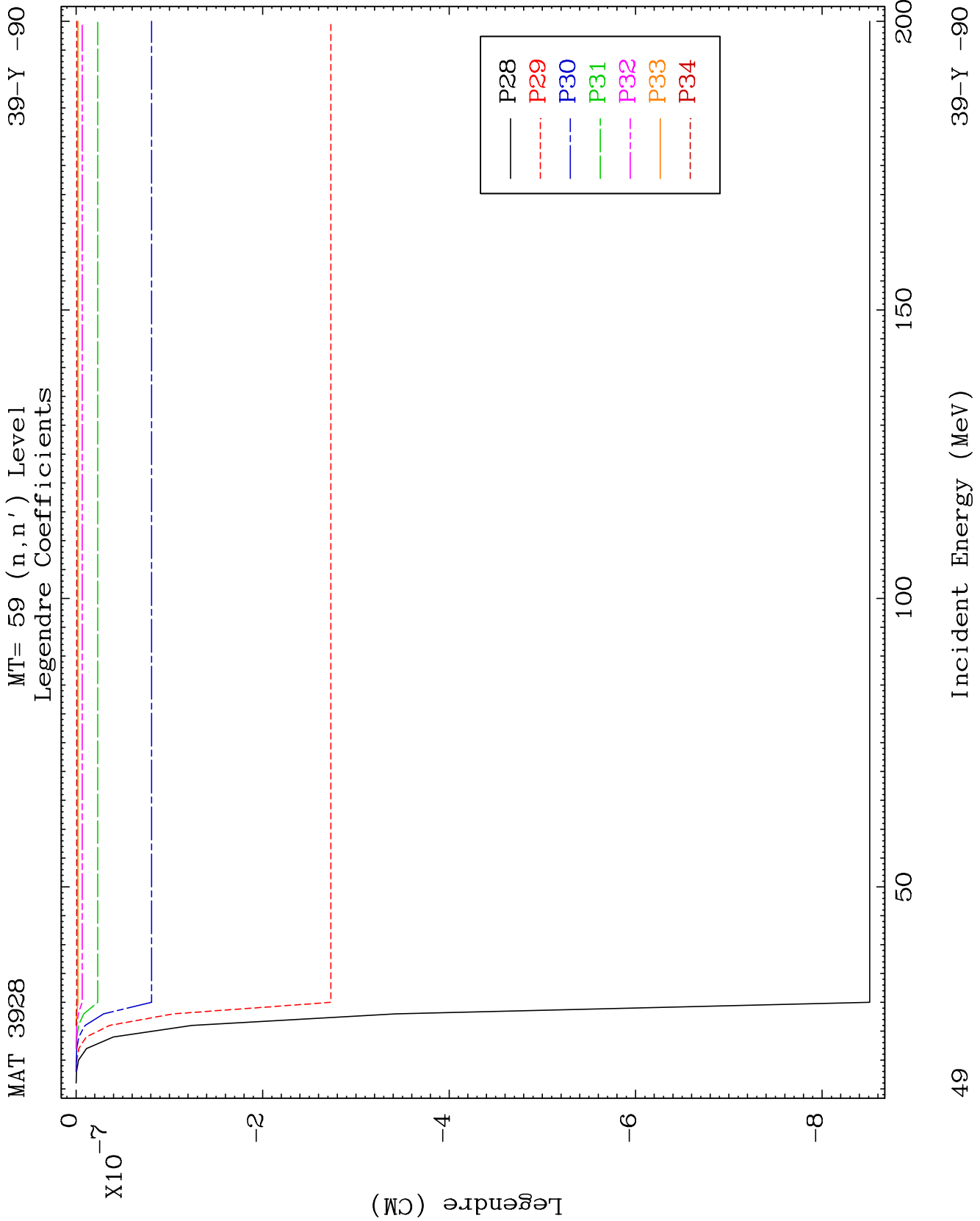


47

Incident Energy (MeV)

39-Y -90

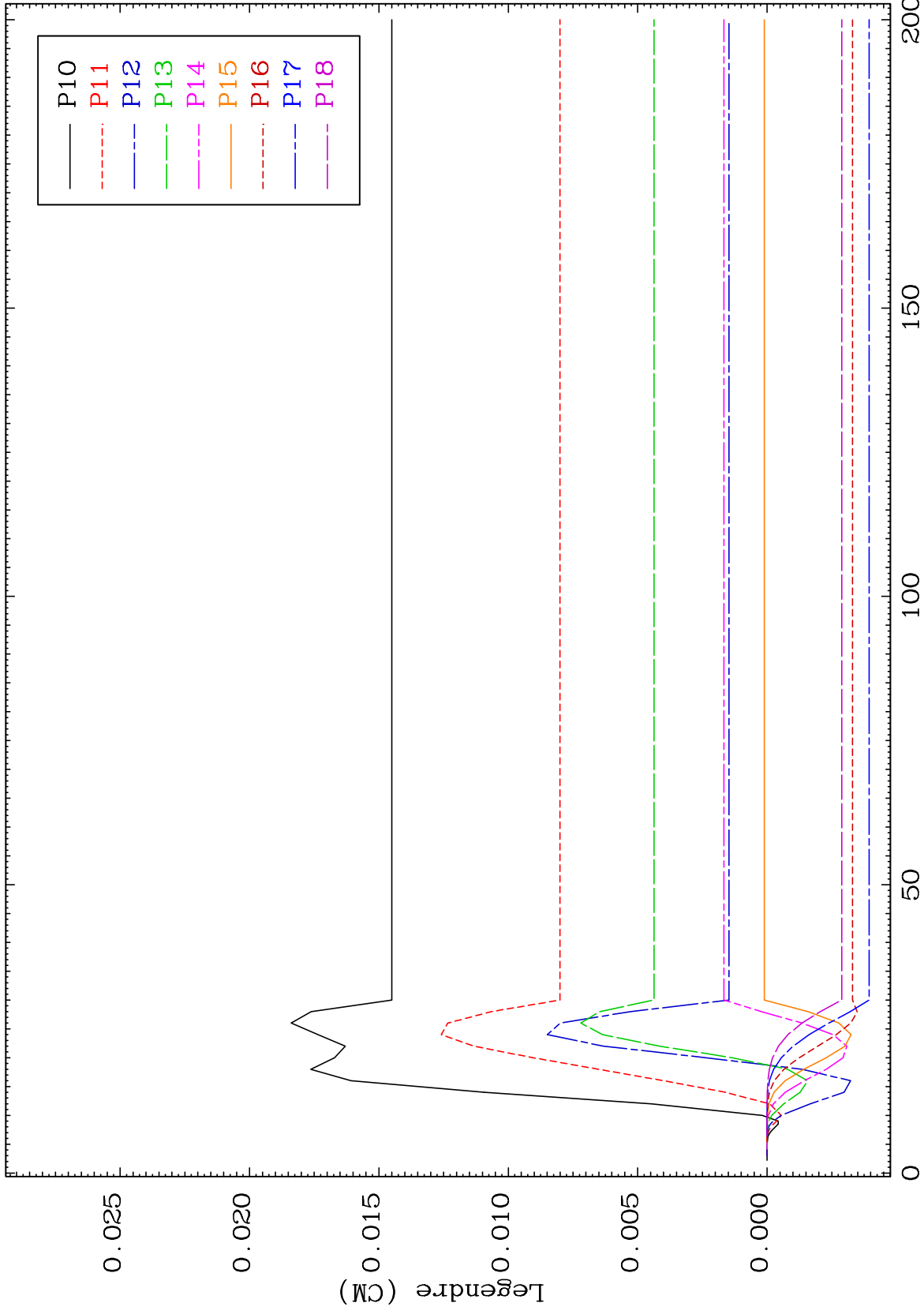




MAT 3928

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

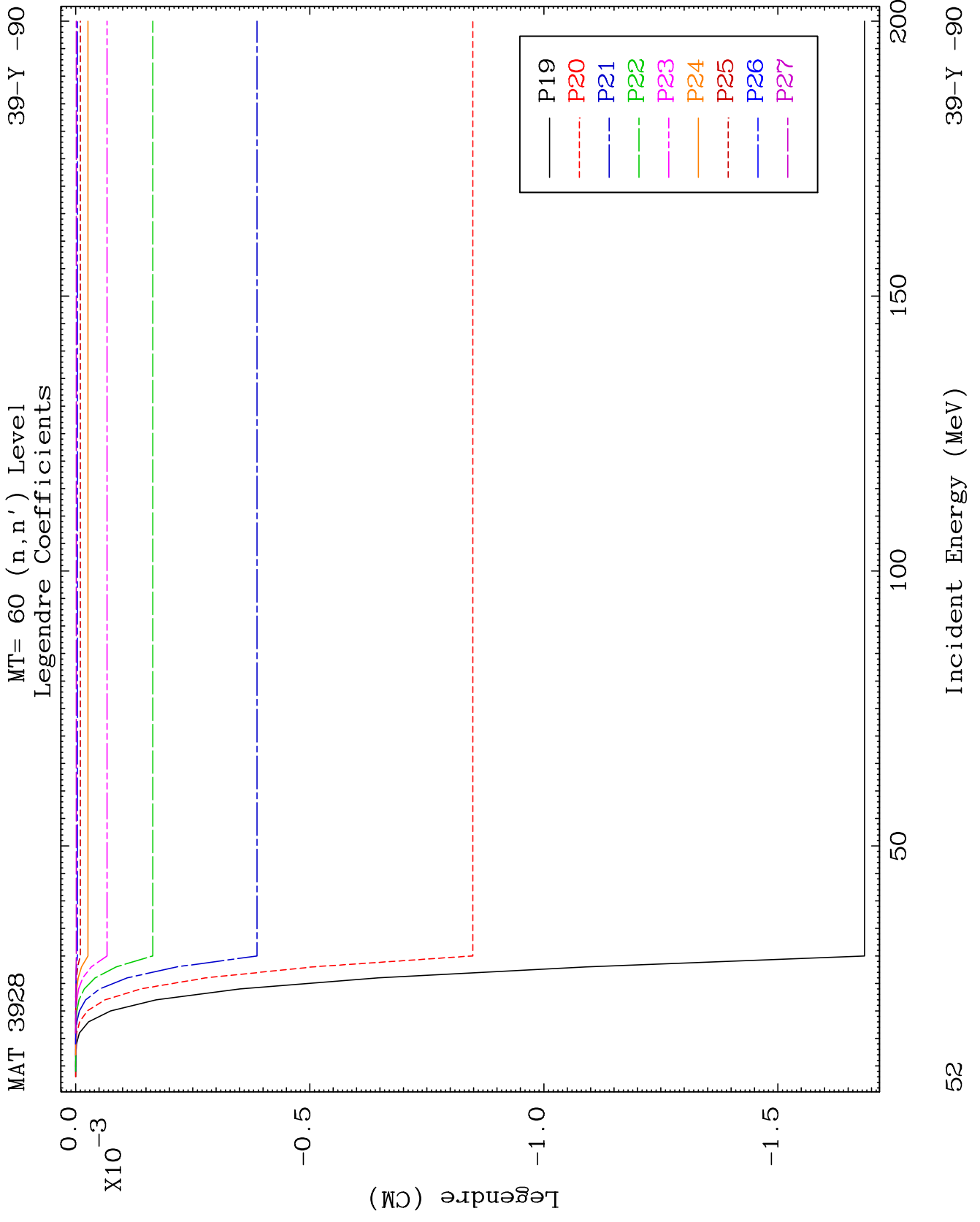
39-Y -90

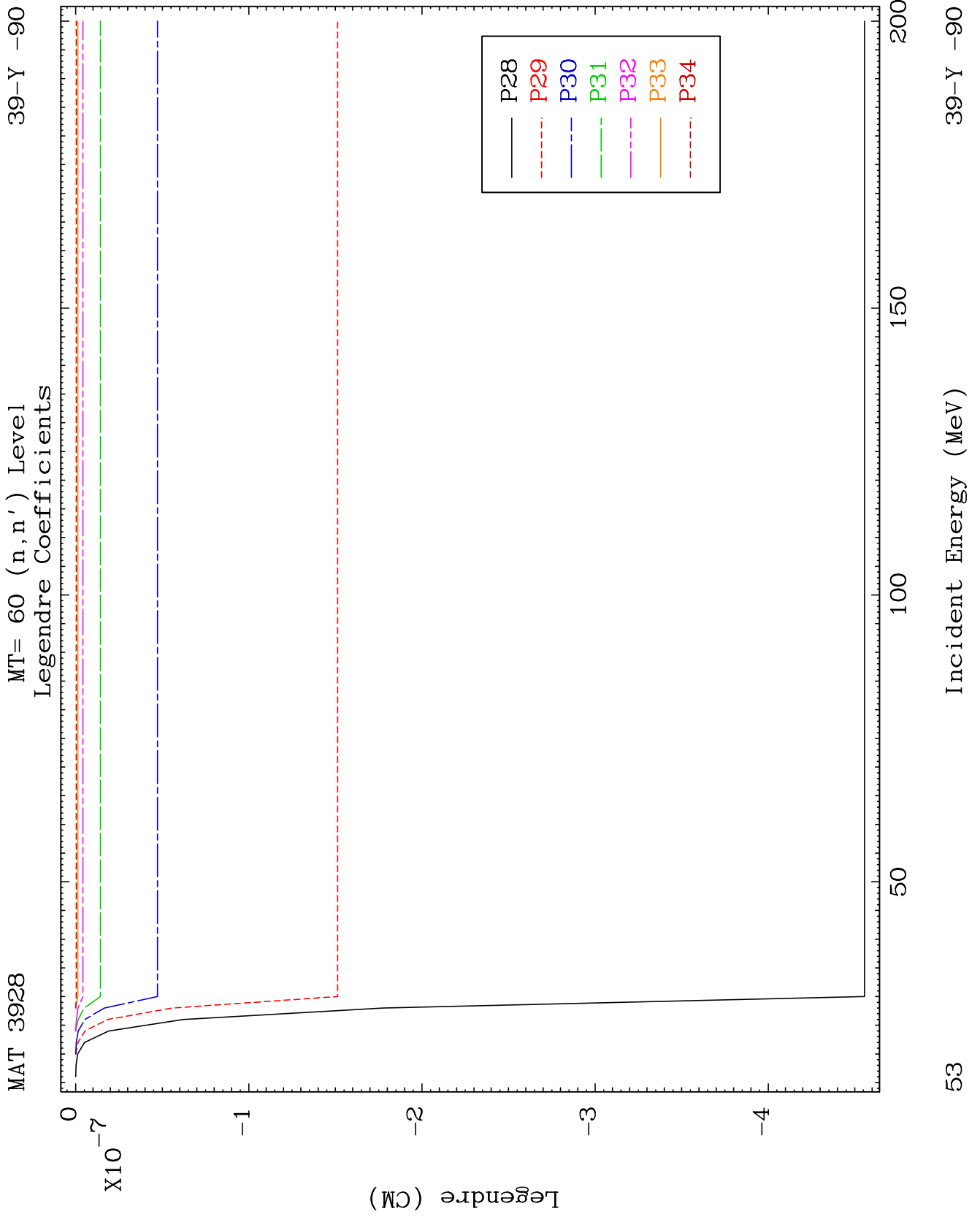


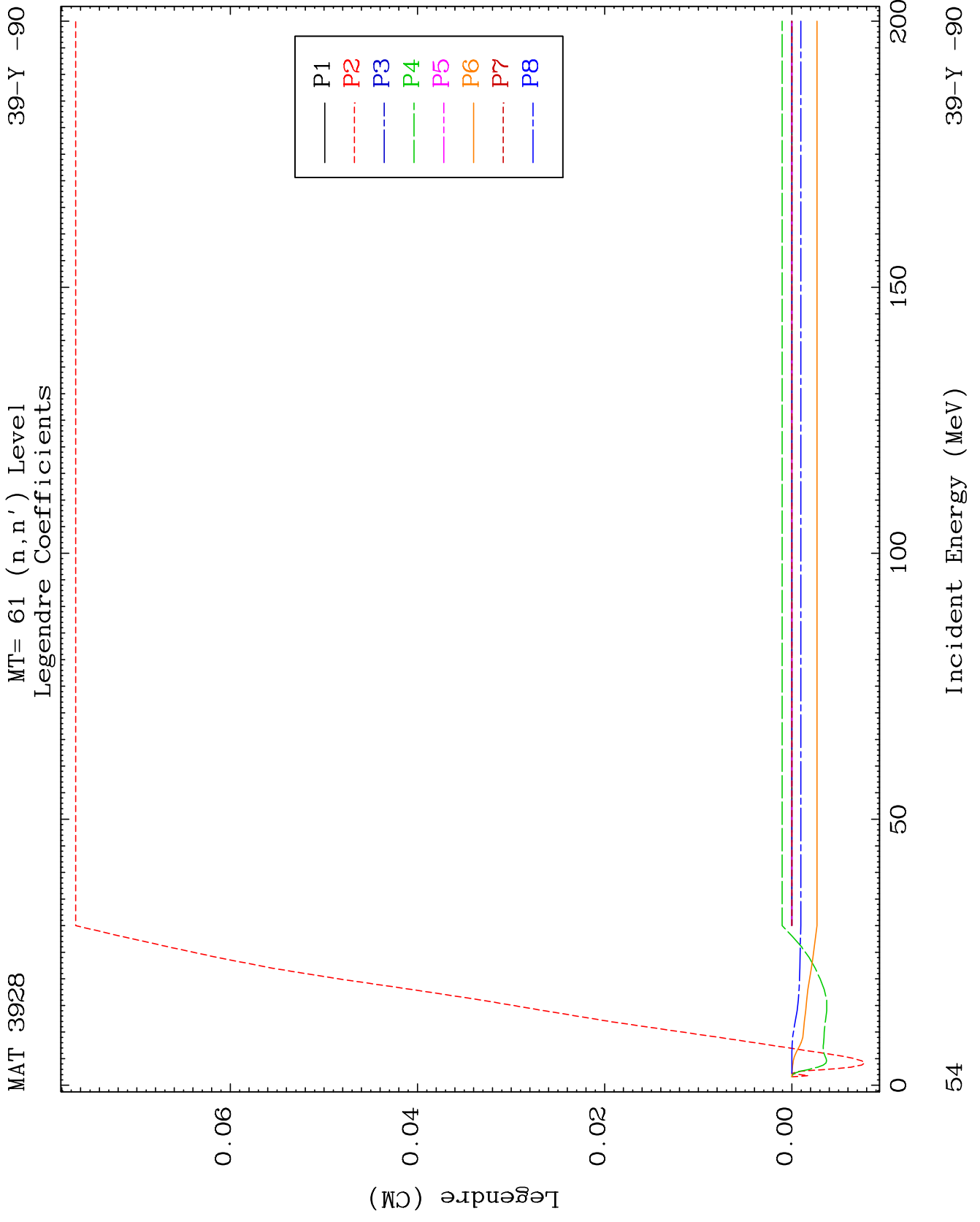
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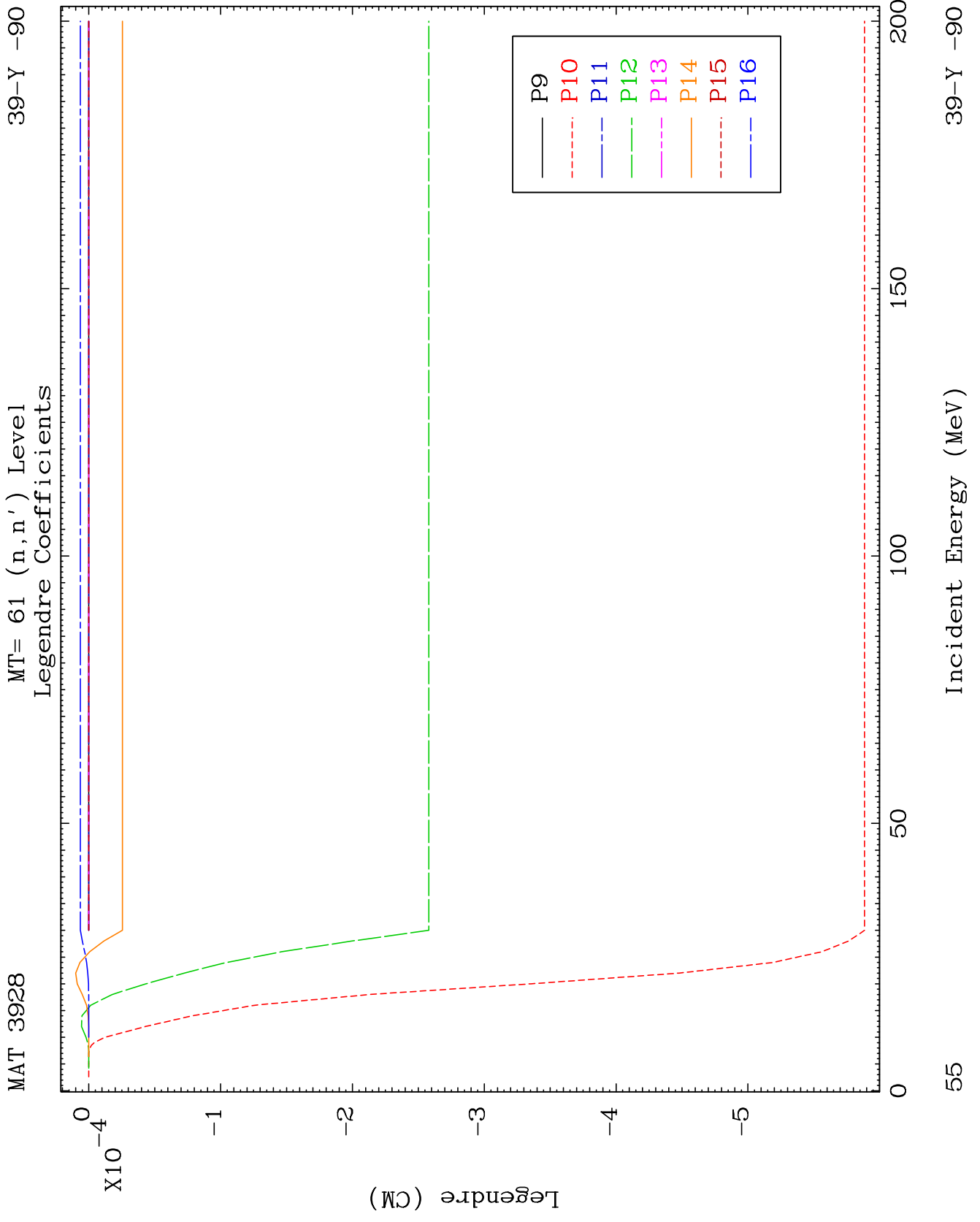
Incident Energy (MeV)

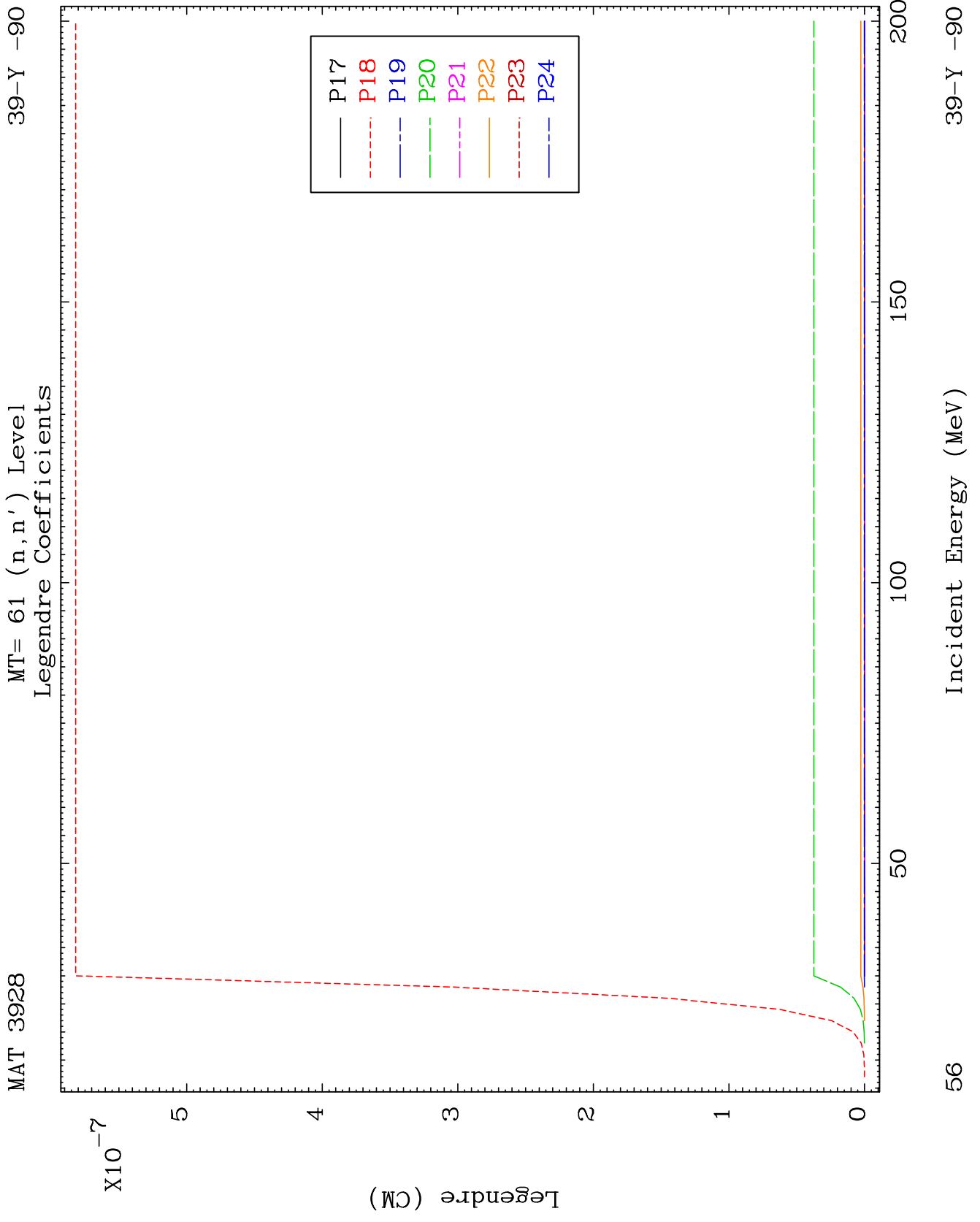
39-Y -90







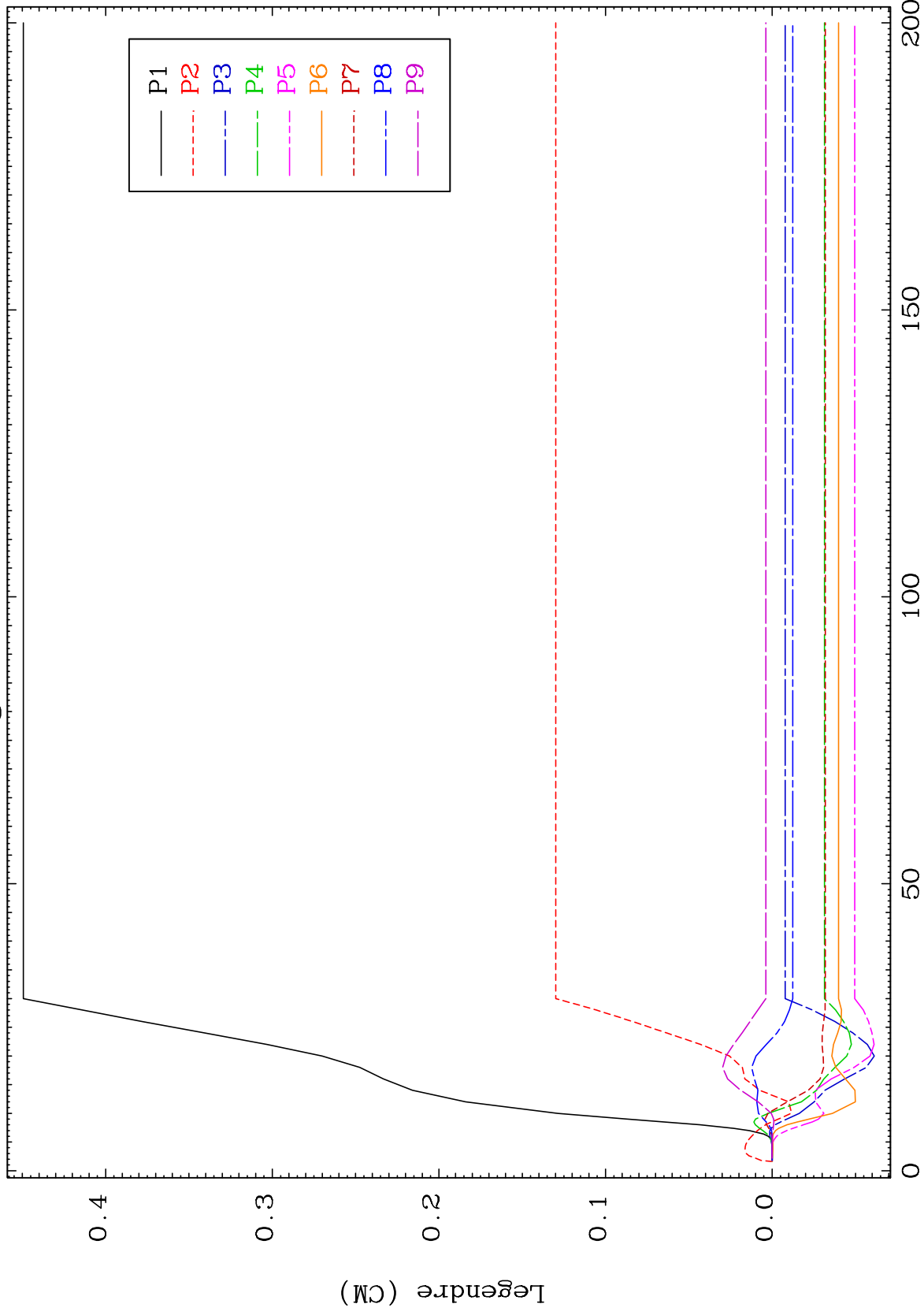




MAT 3928

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

39-Y -90



57

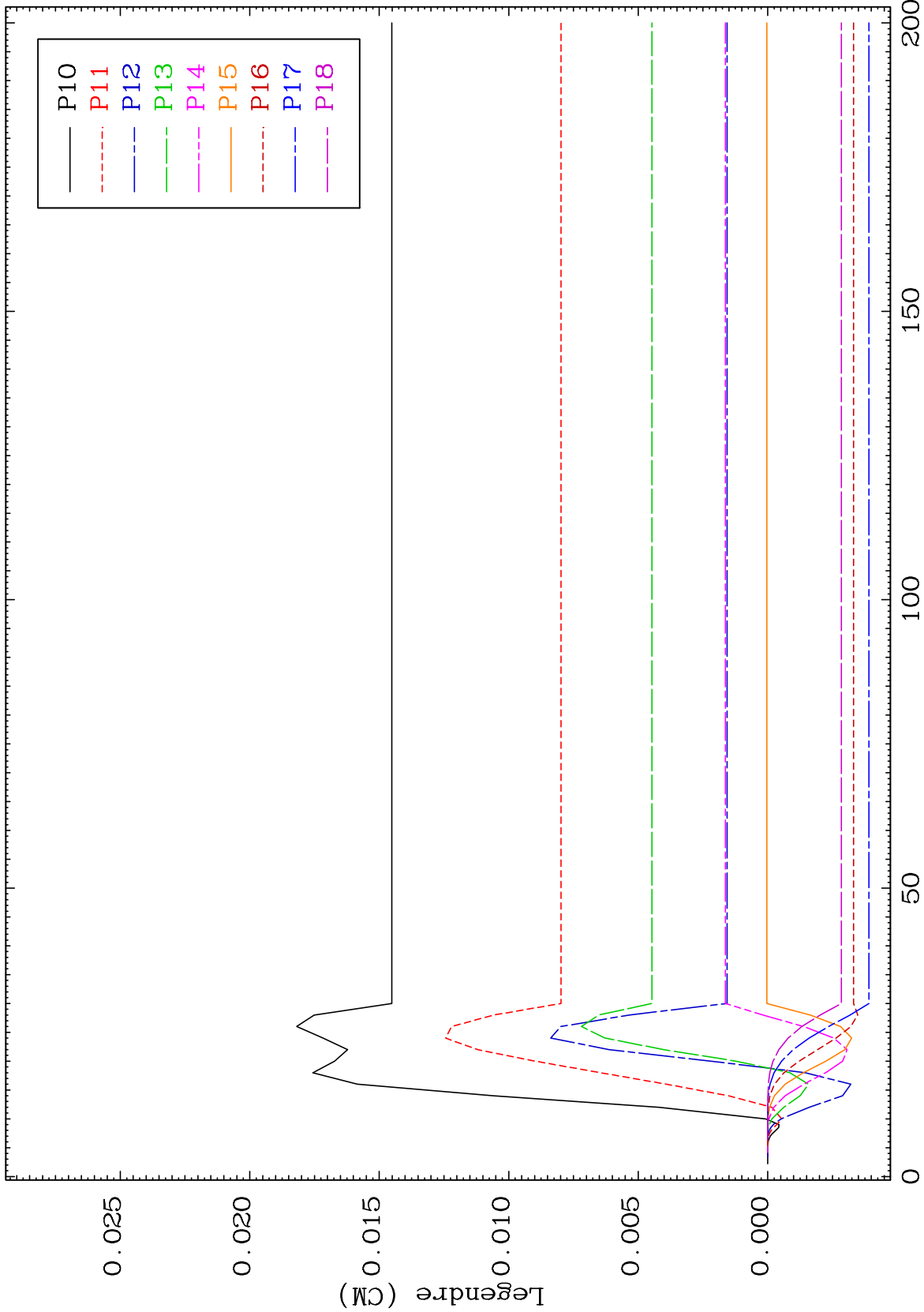
Incident Energy (MeV)

39-Y -90

MAT 3928

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

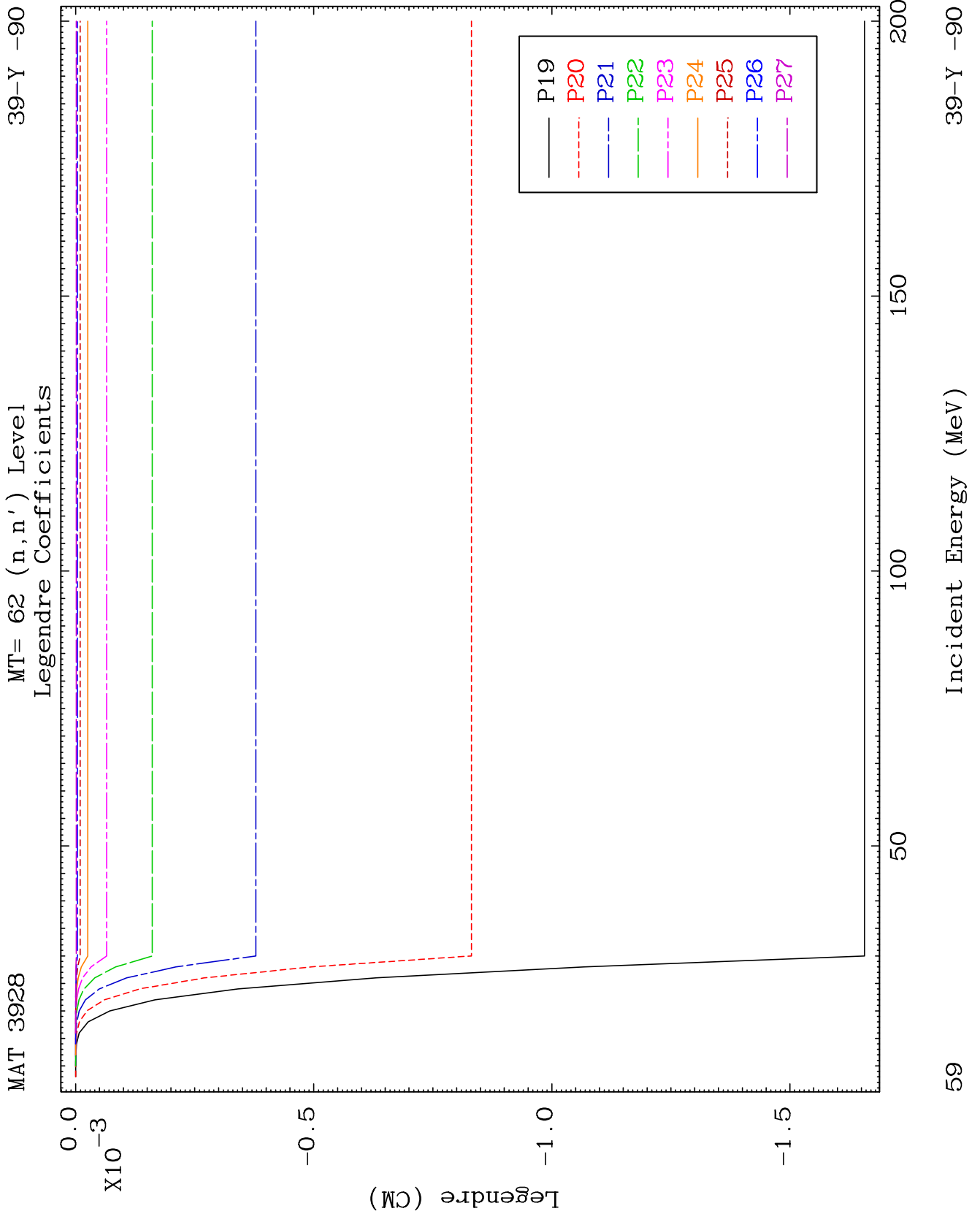
39-Y -90



58

Incident Energy (MeV)

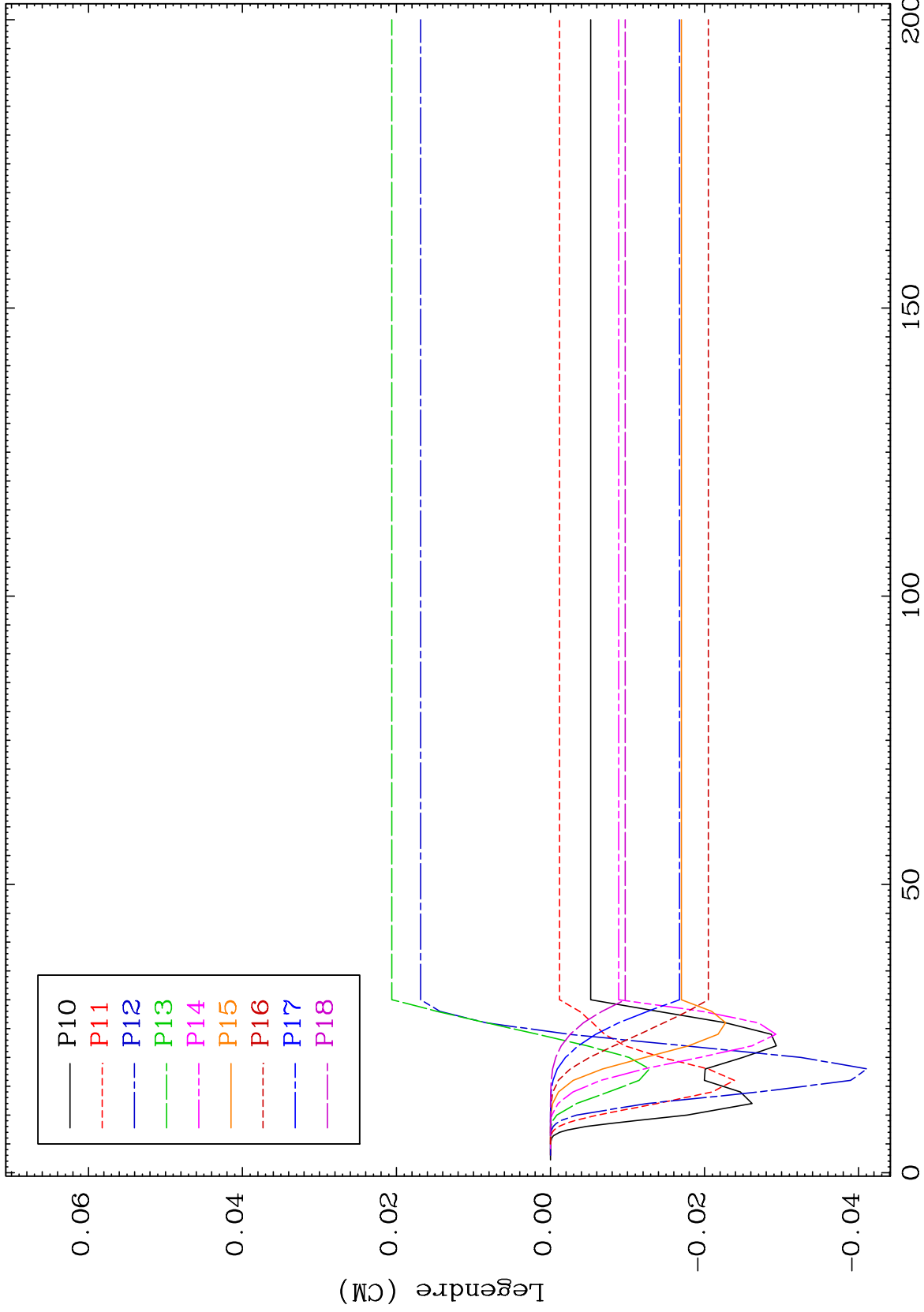
39-Y -90



MAT 3928

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

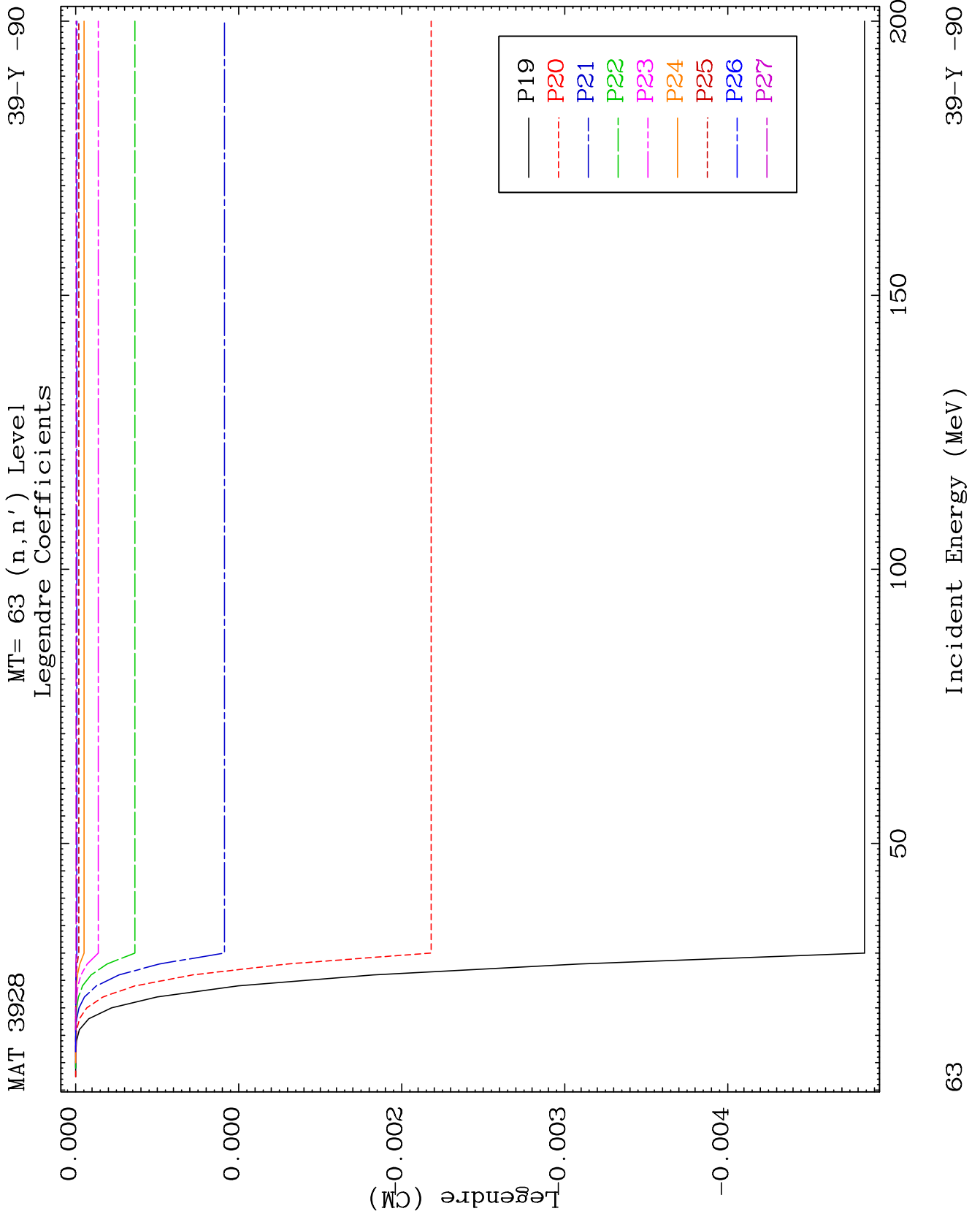
39-Y -90

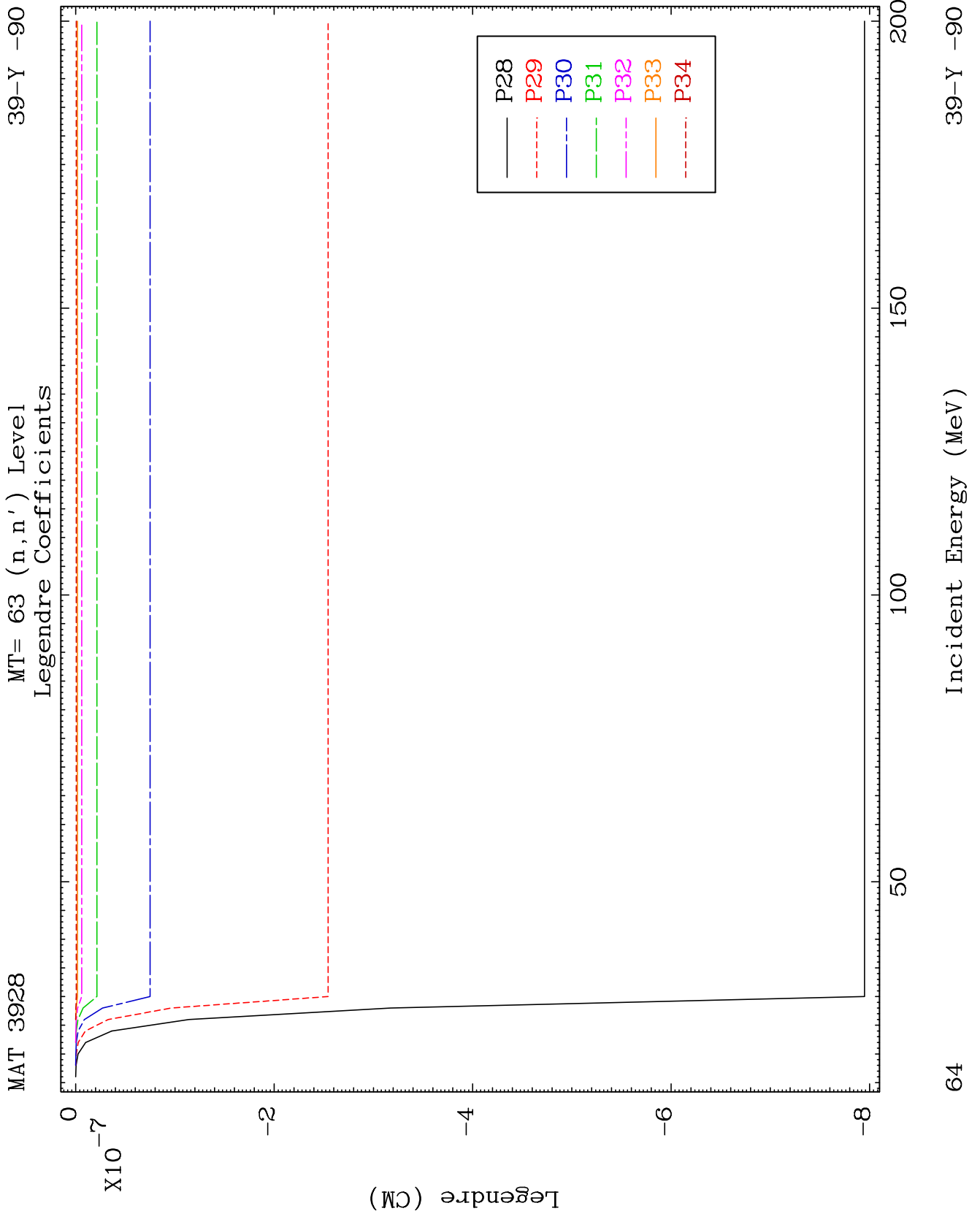


39-Y -90

Incident Energy (MeV)

62

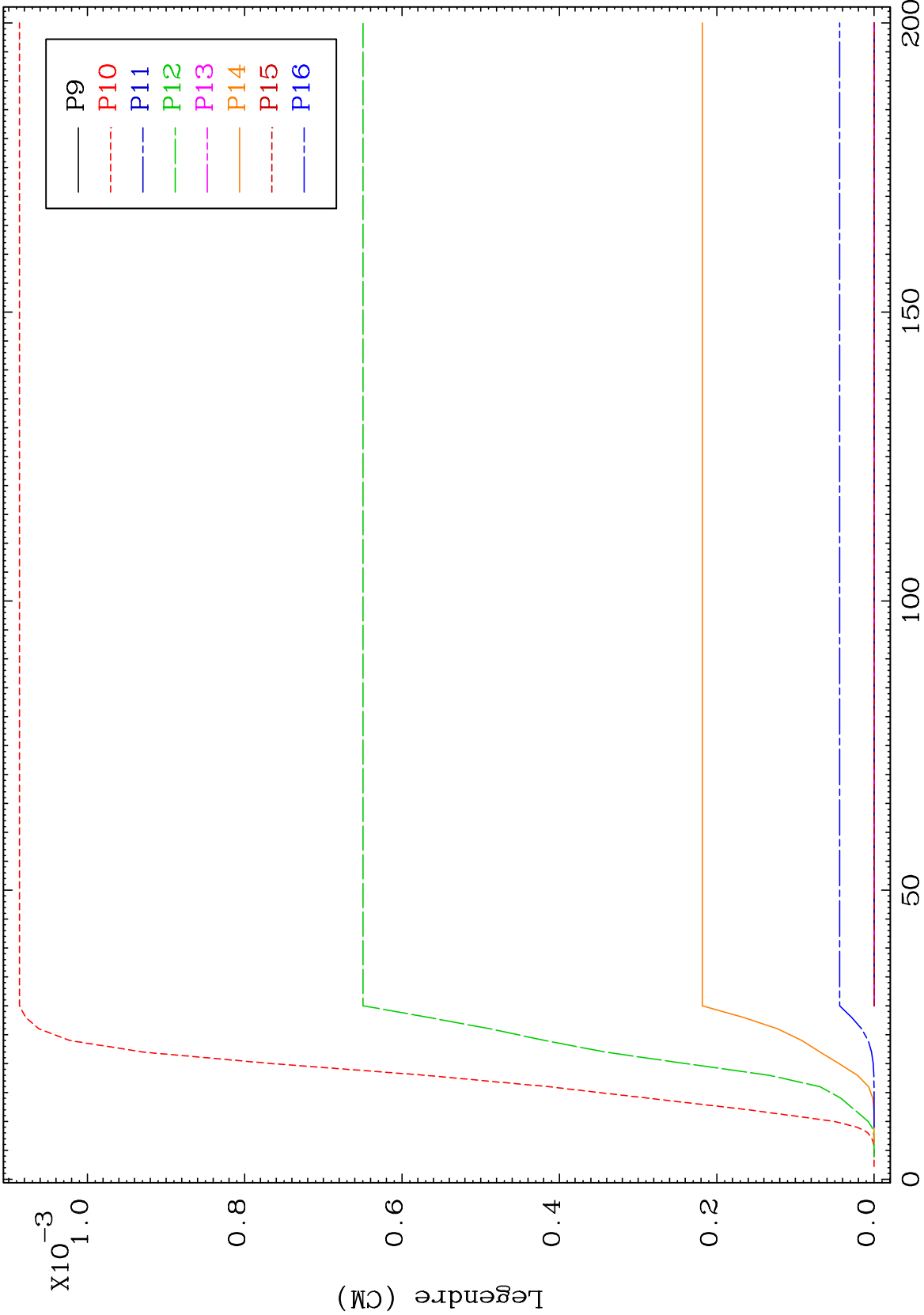




MAT 3928

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

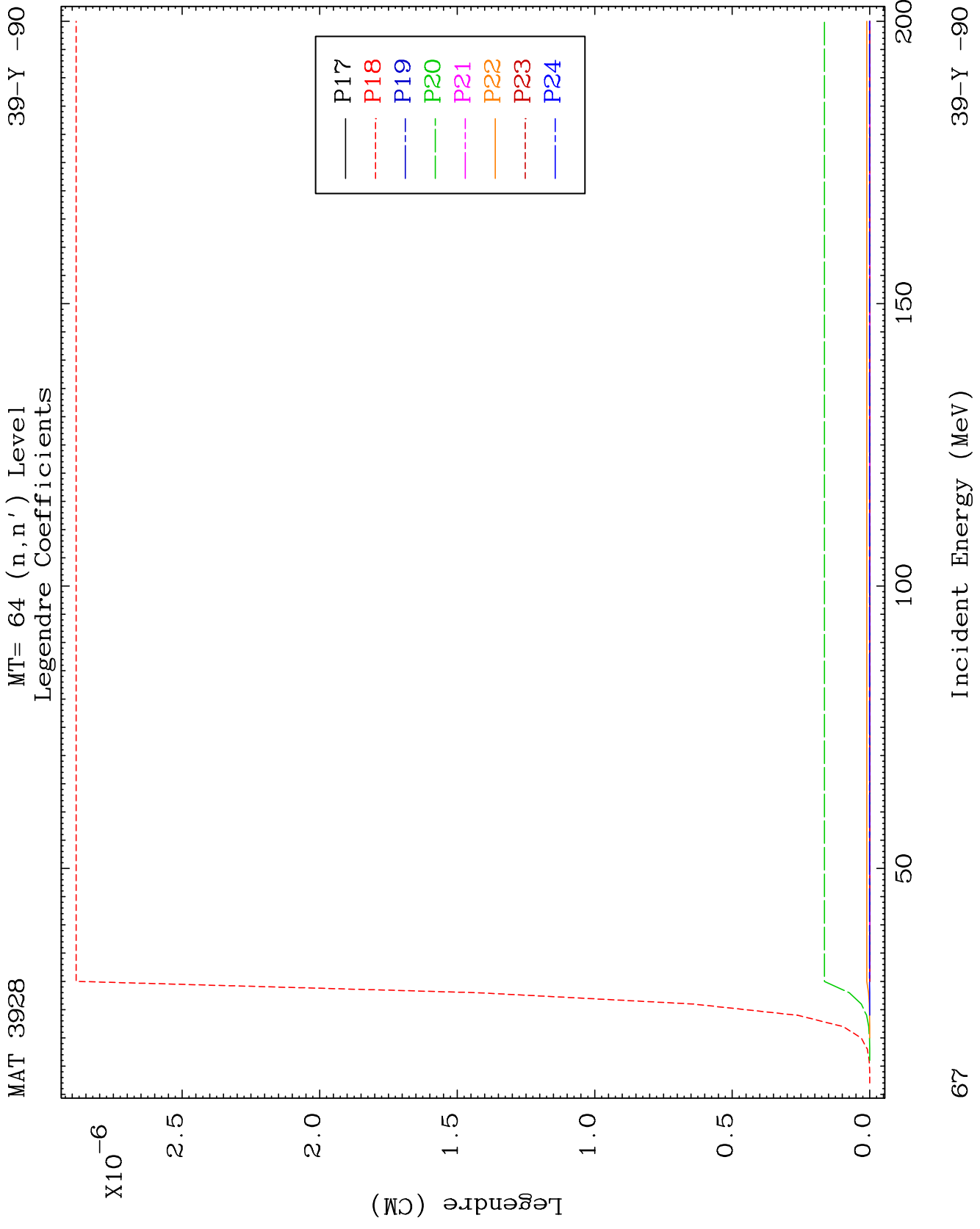
39-Y -90

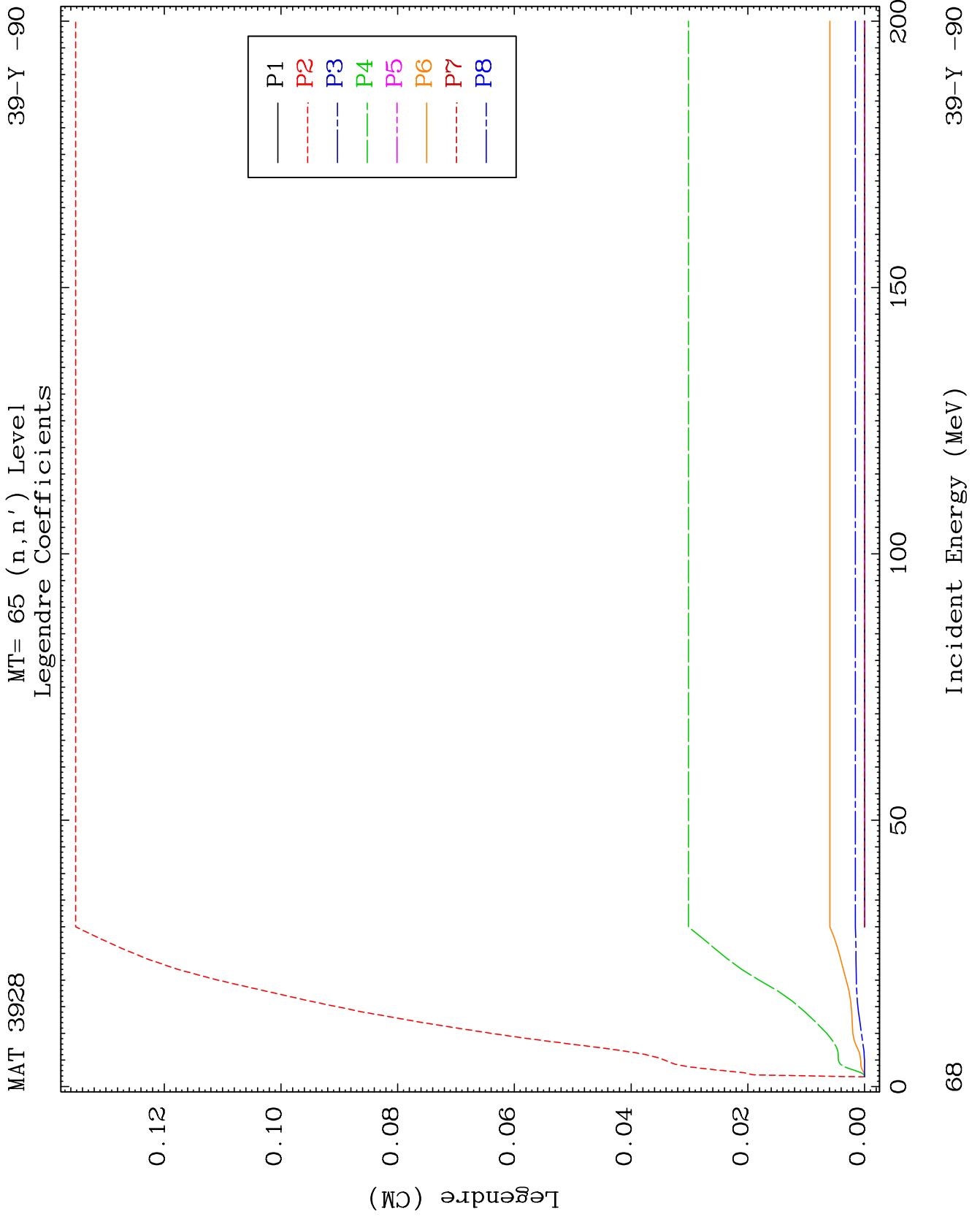


66

Incident Energy (MeV)

39-Y -90

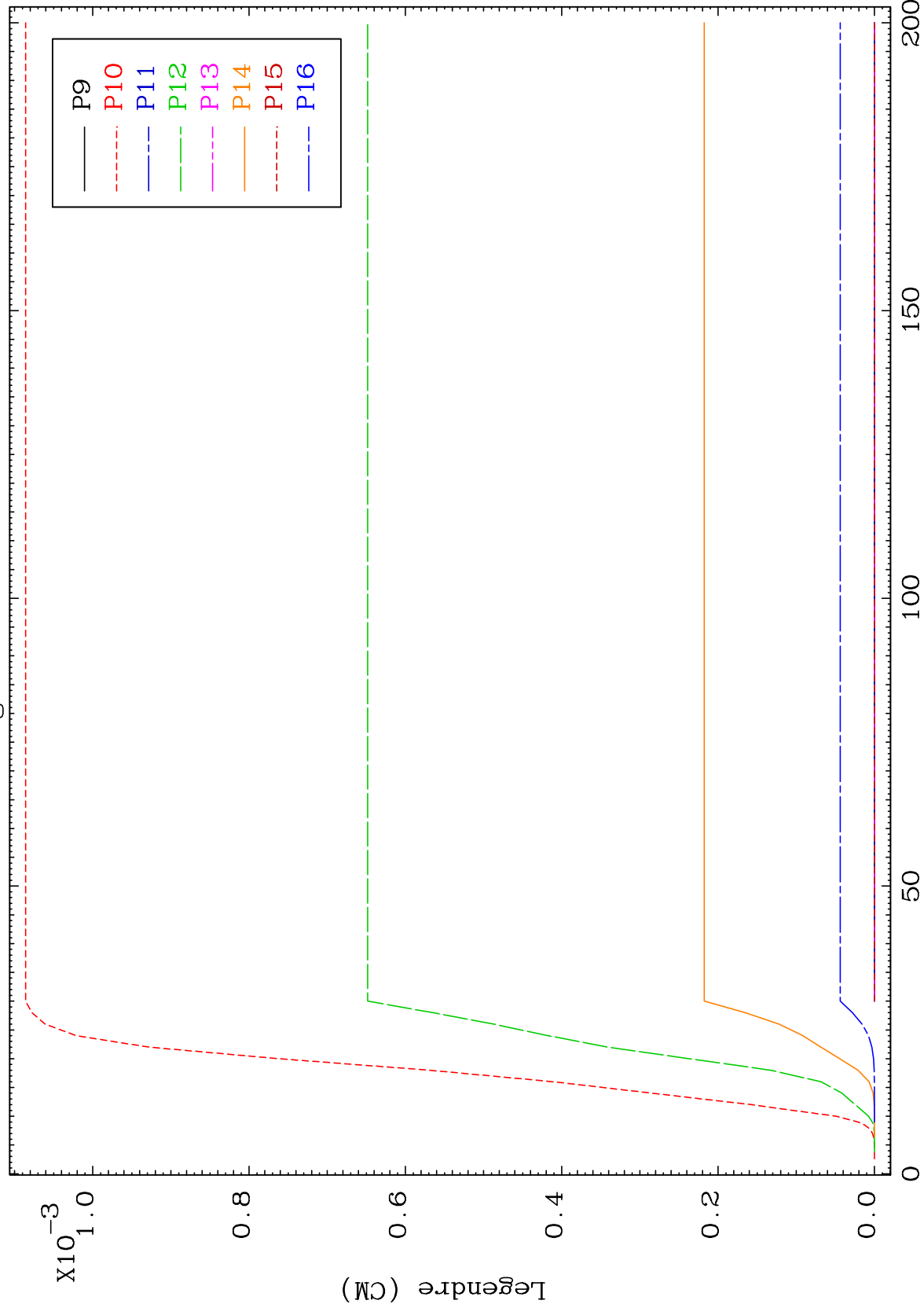




MAT 3928

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

39-Y -90



69

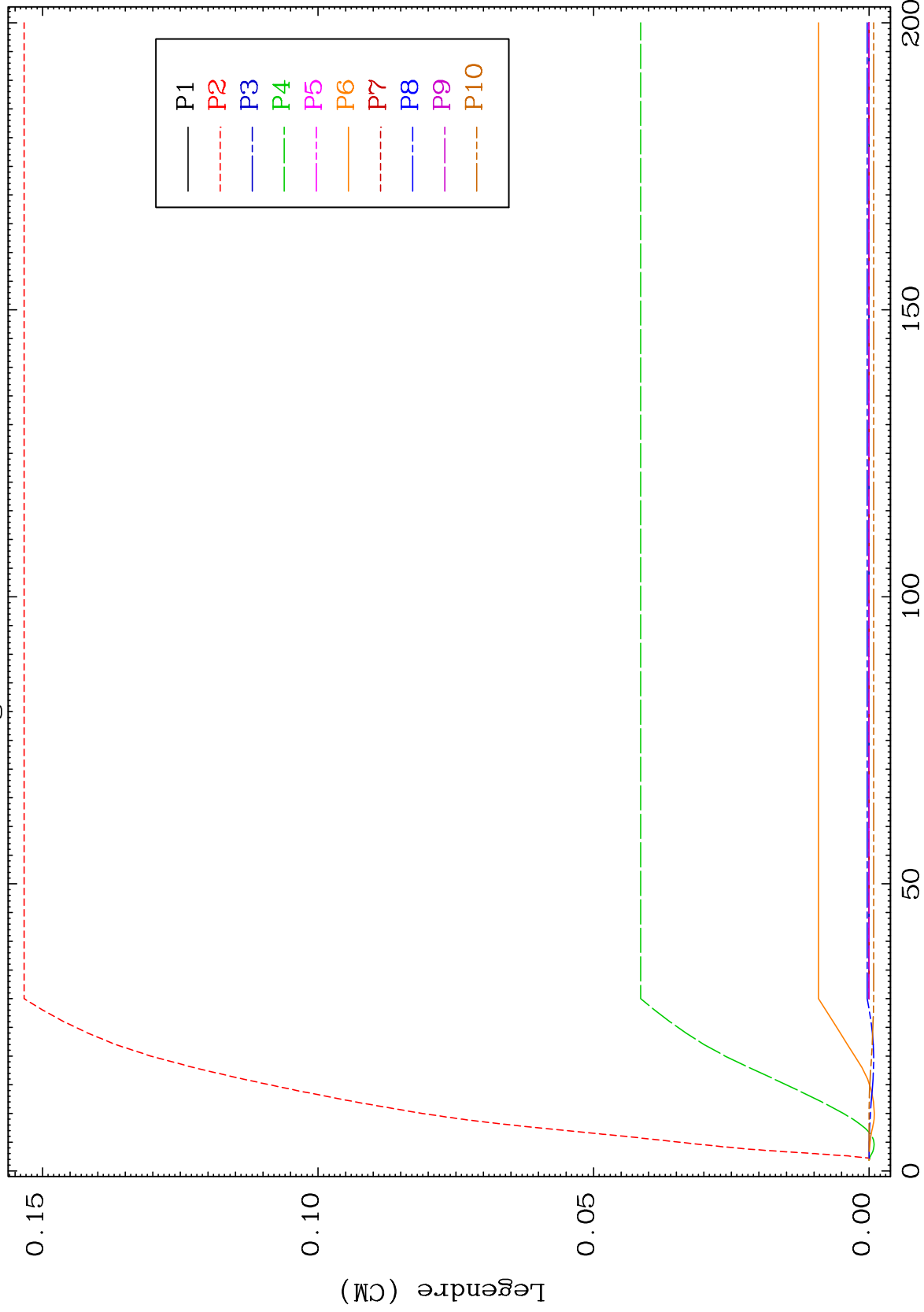
Incident Energy (MeV)

39-Y -90

MAT 3928

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

39-Y -90



71

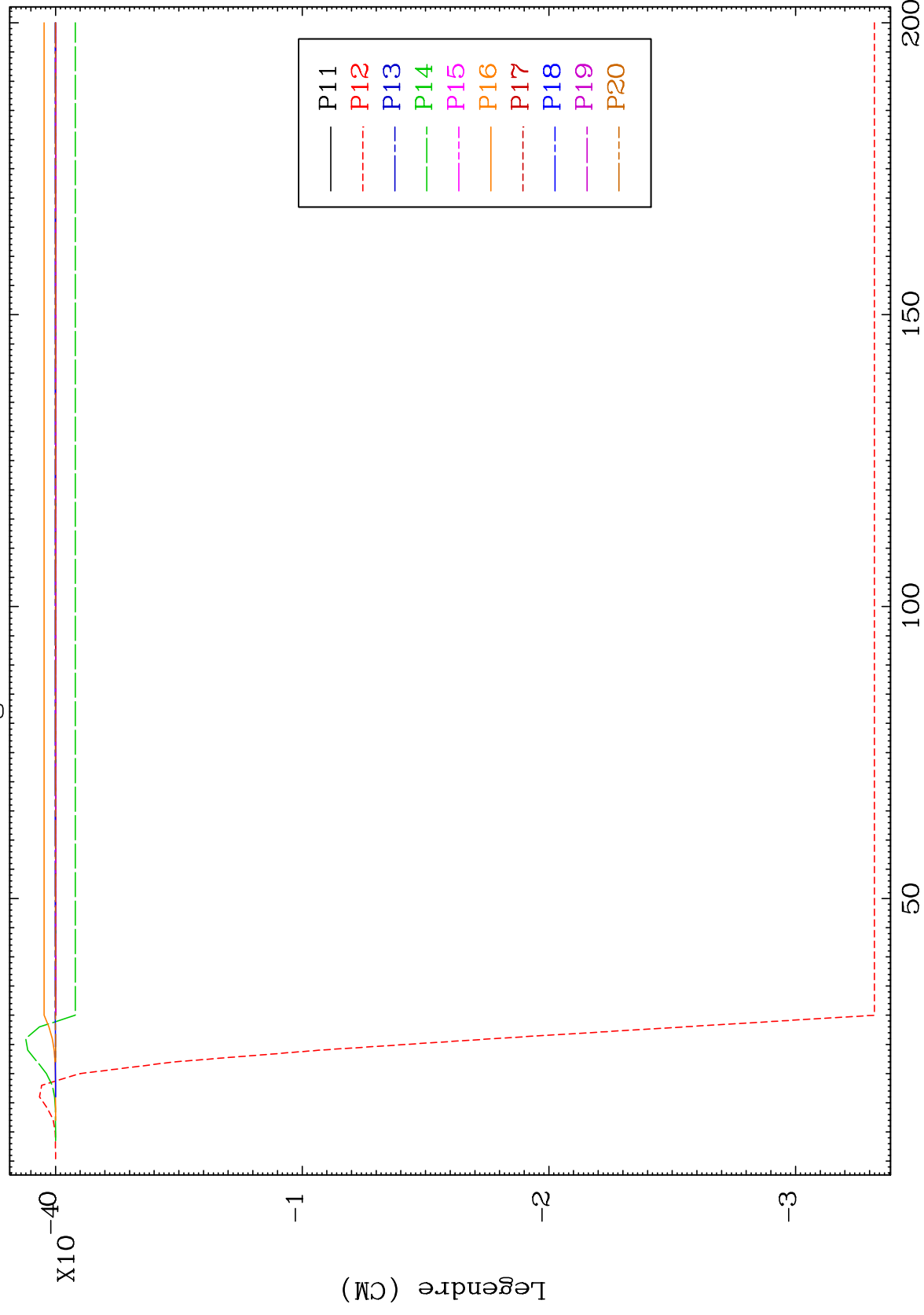
Incident Energy (MeV)

39-Y -90

MAT 3928

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

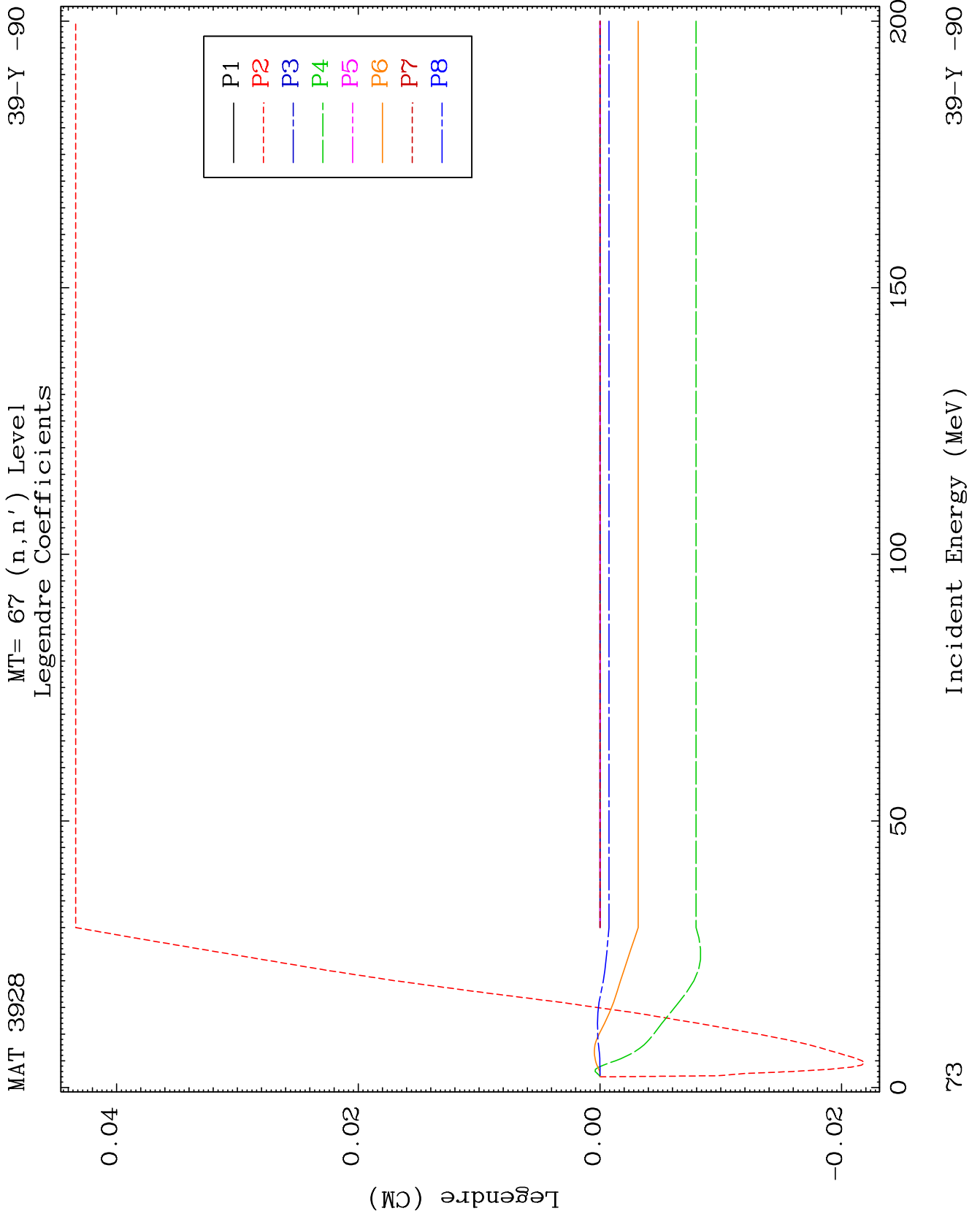
39-Y -90



72

Incident Energy (MeV)

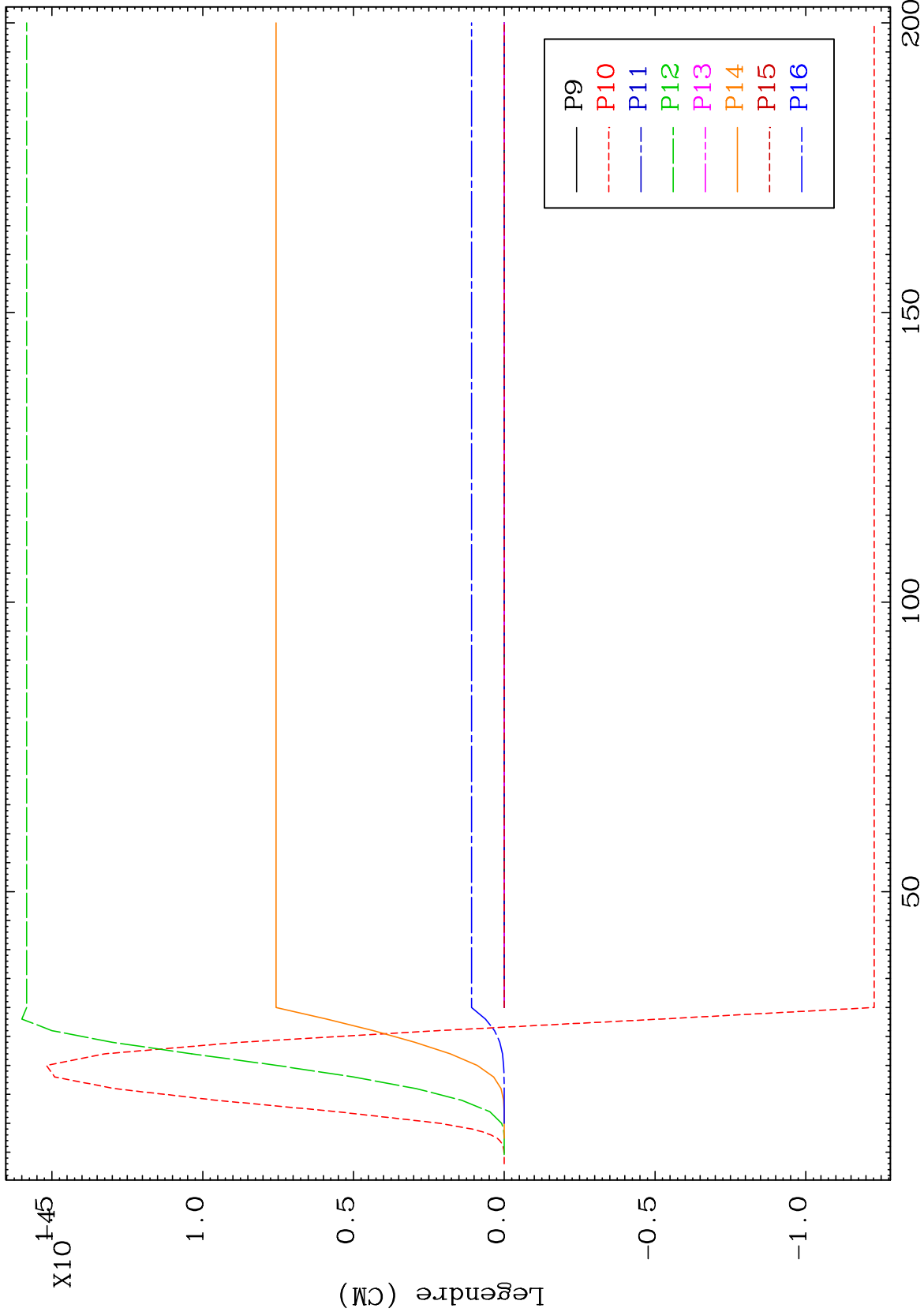
39-Y -90



MAT 3928

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

39-Y -90



74

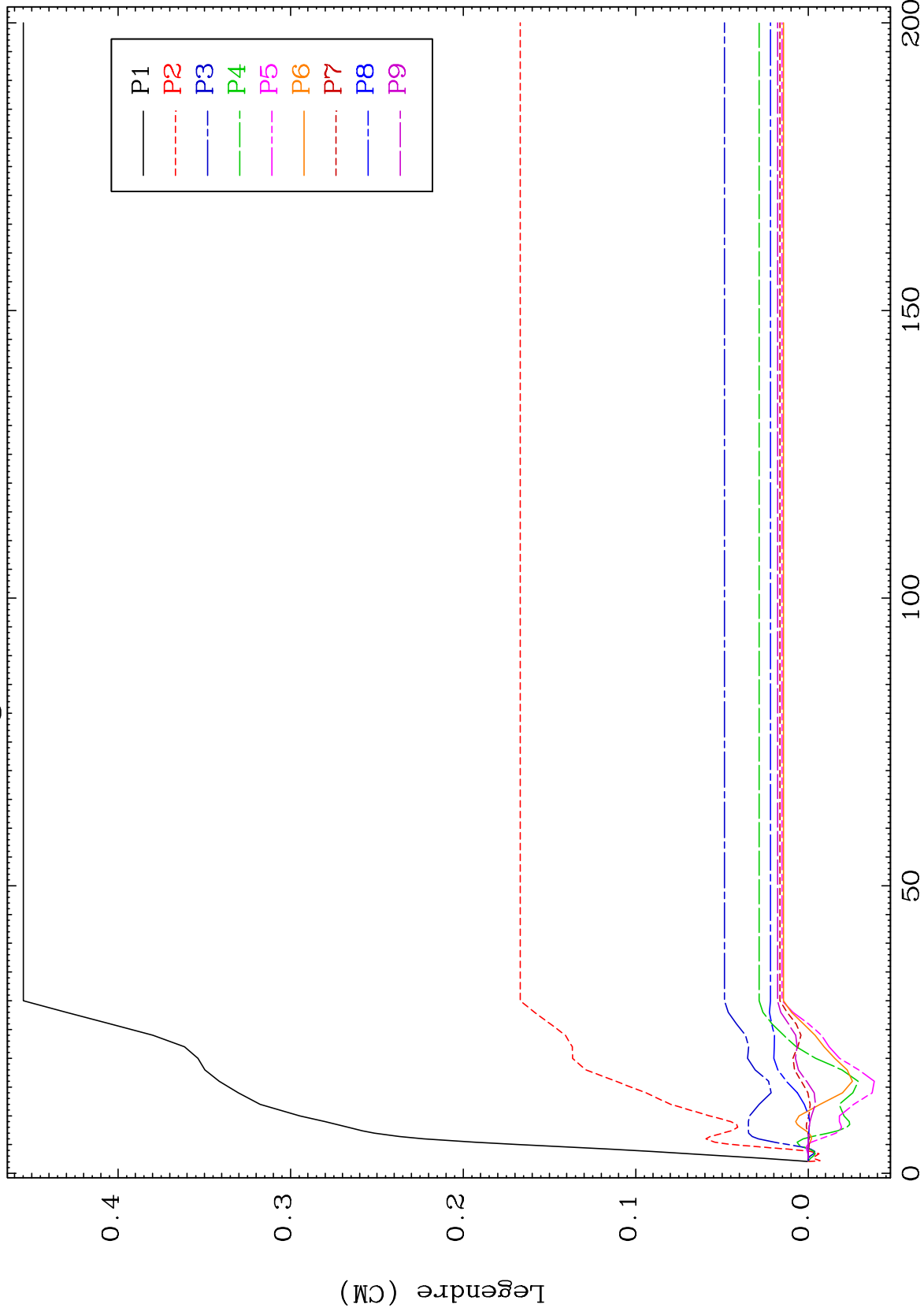
Incident Energy (MeV)

39-Y -90

MAT 3928

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

39-Y -90



76

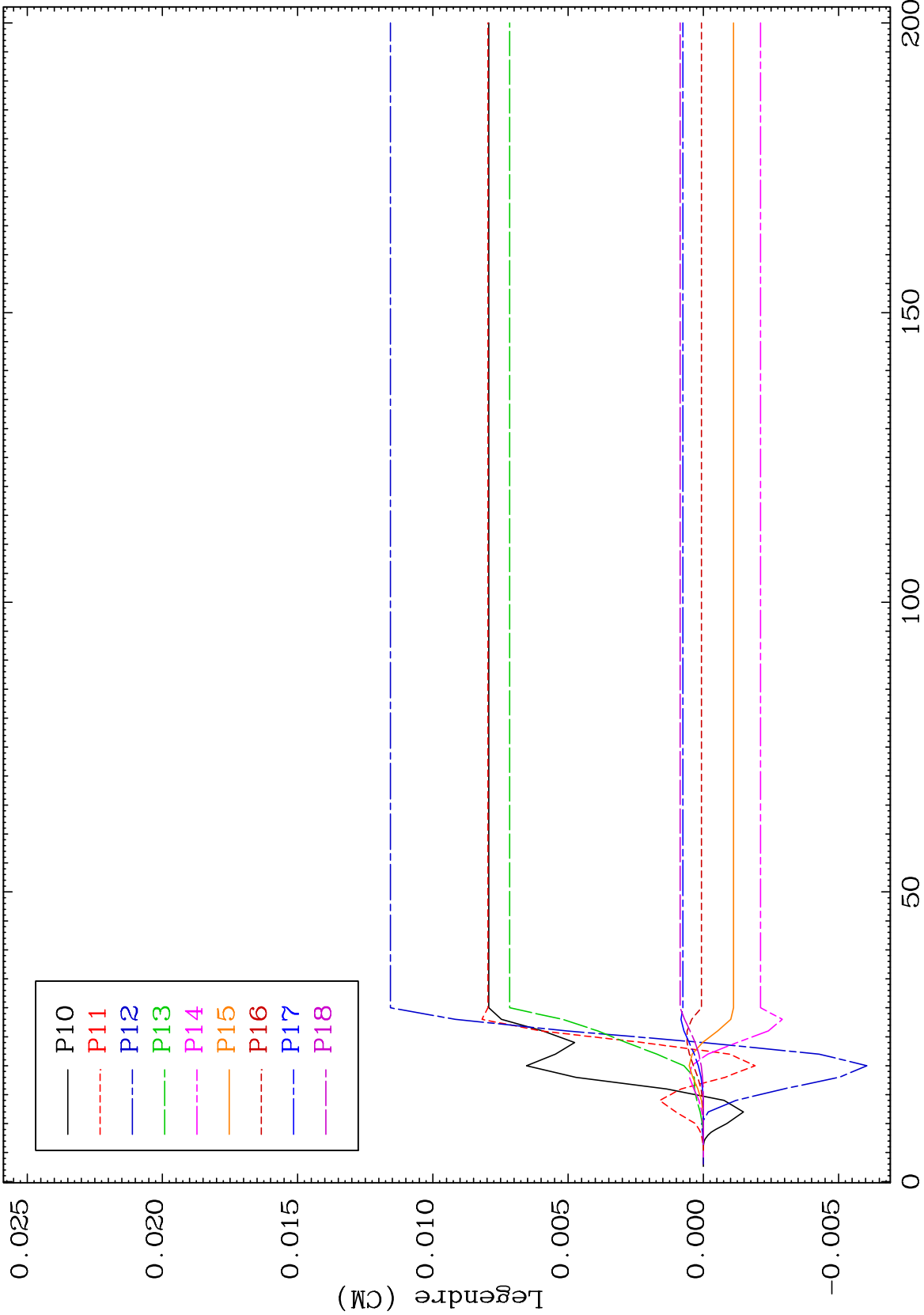
Incident Energy (MeV)

39-Y -90

MAT 3928

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

39-Y -90



77

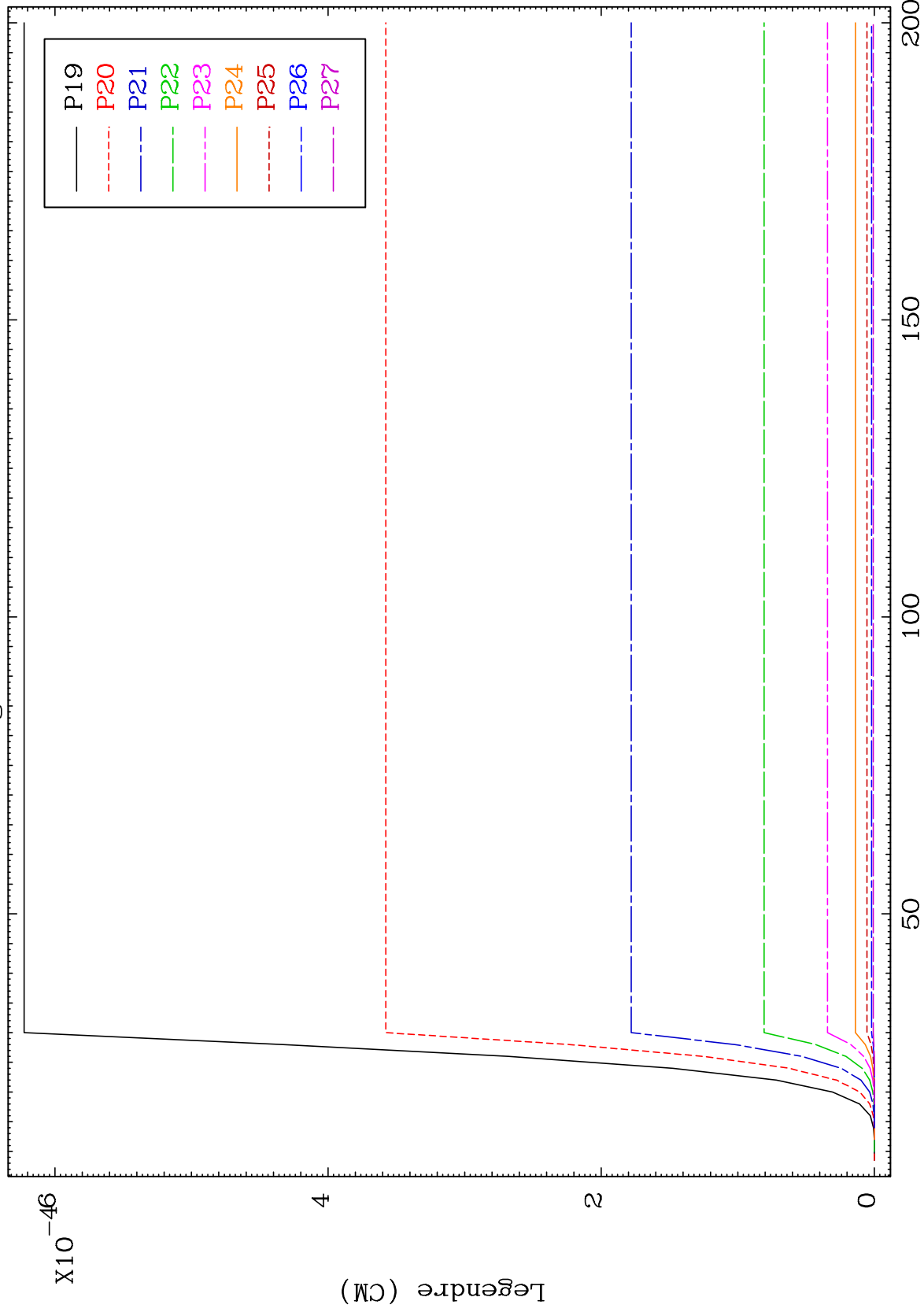
Incident Energy (MeV)

39-Y -90

MAT 3928

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

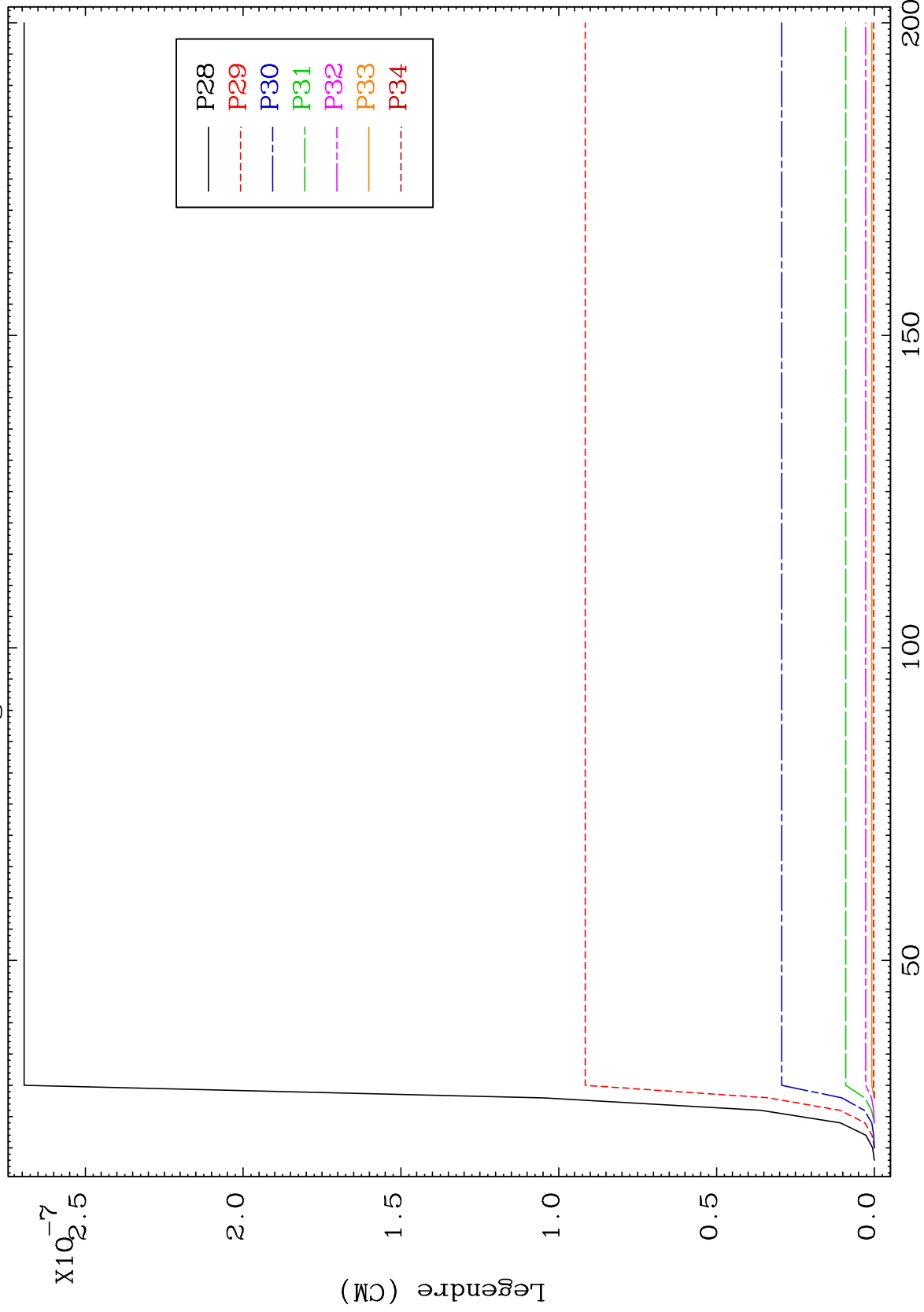
39-Y -90



MAT 3928

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

39-Y -90



79

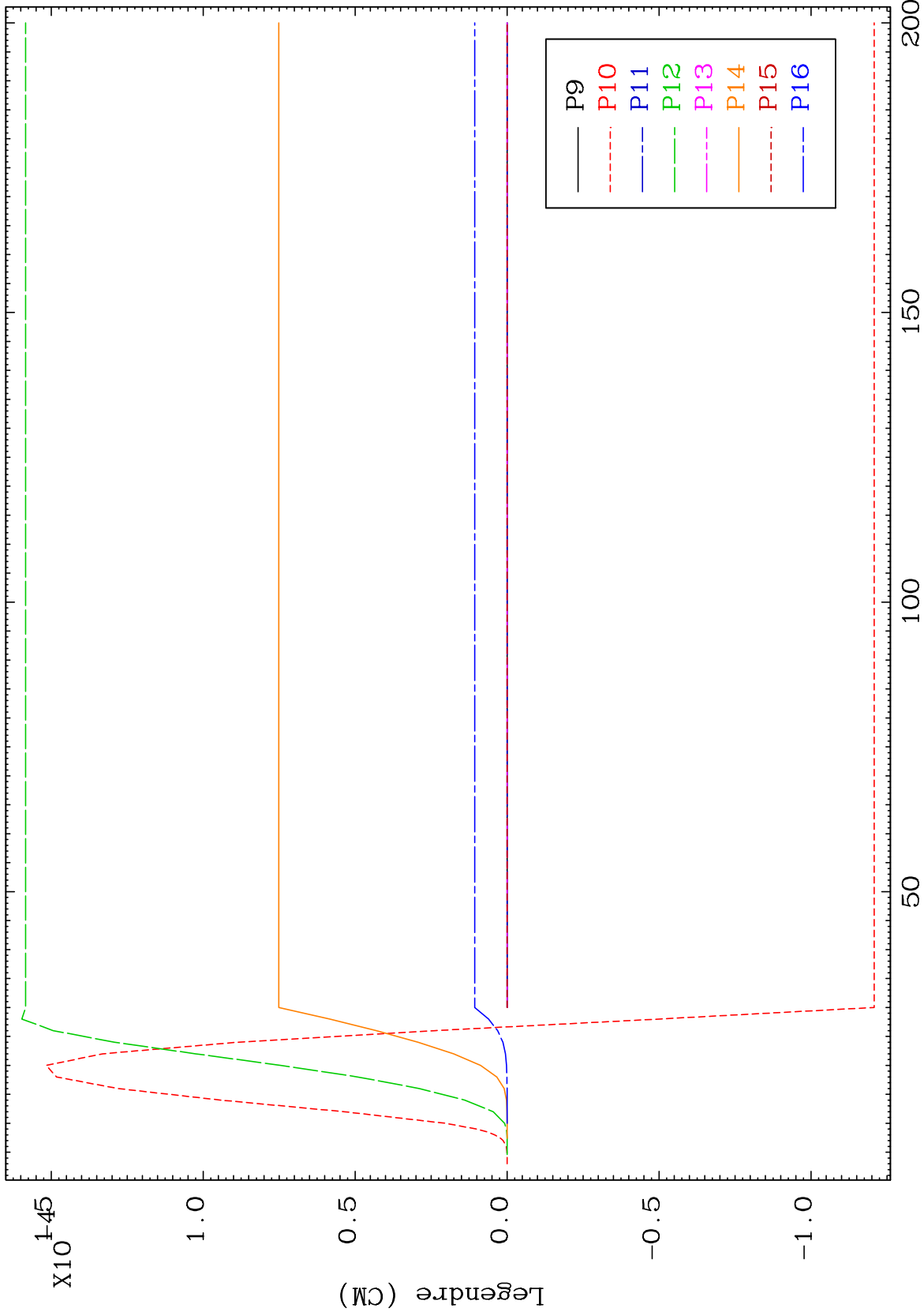
Incident Energy (MeV)

39-Y -90

MAT 3928

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

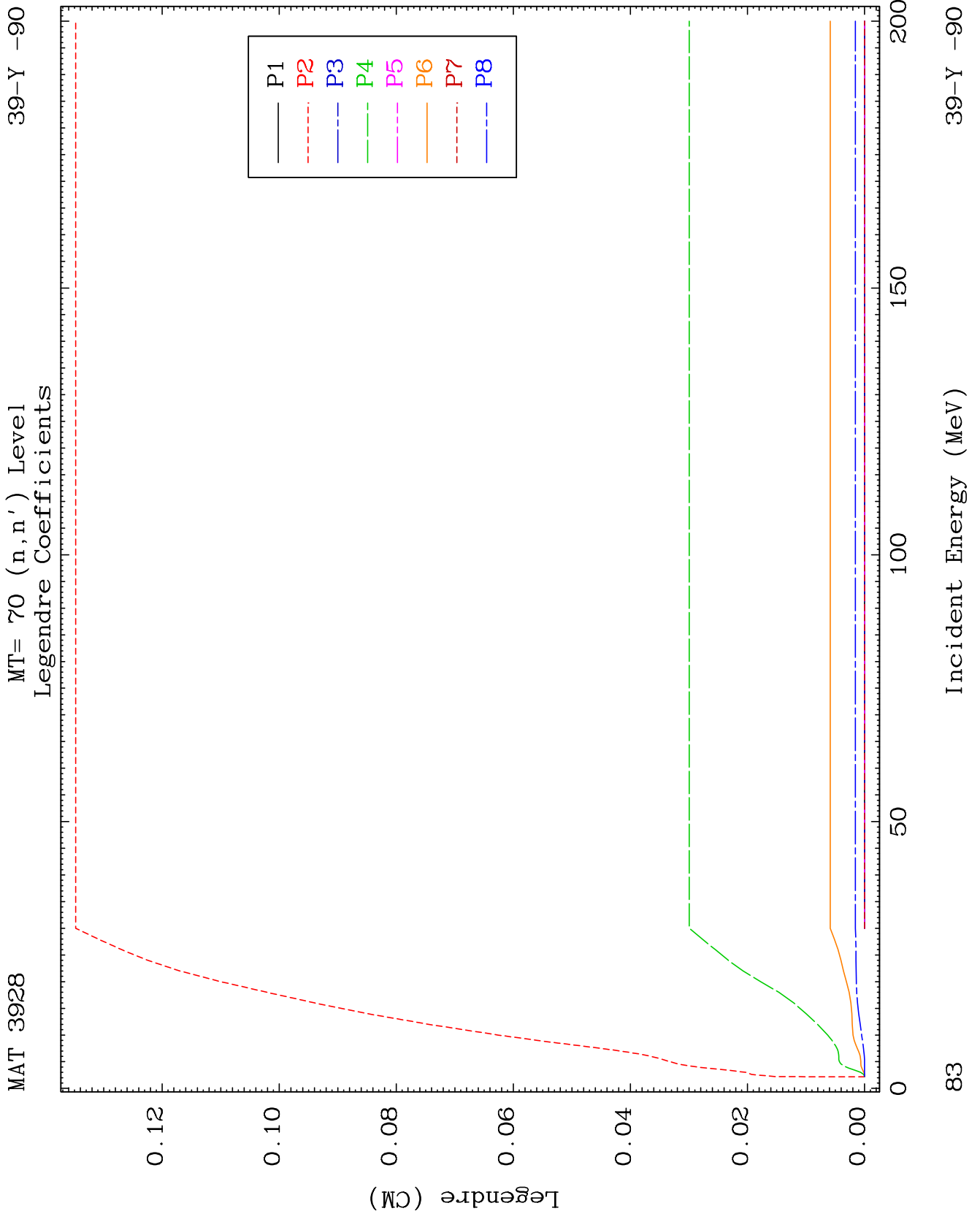
39-Y -90



81

Incident Energy (MeV)

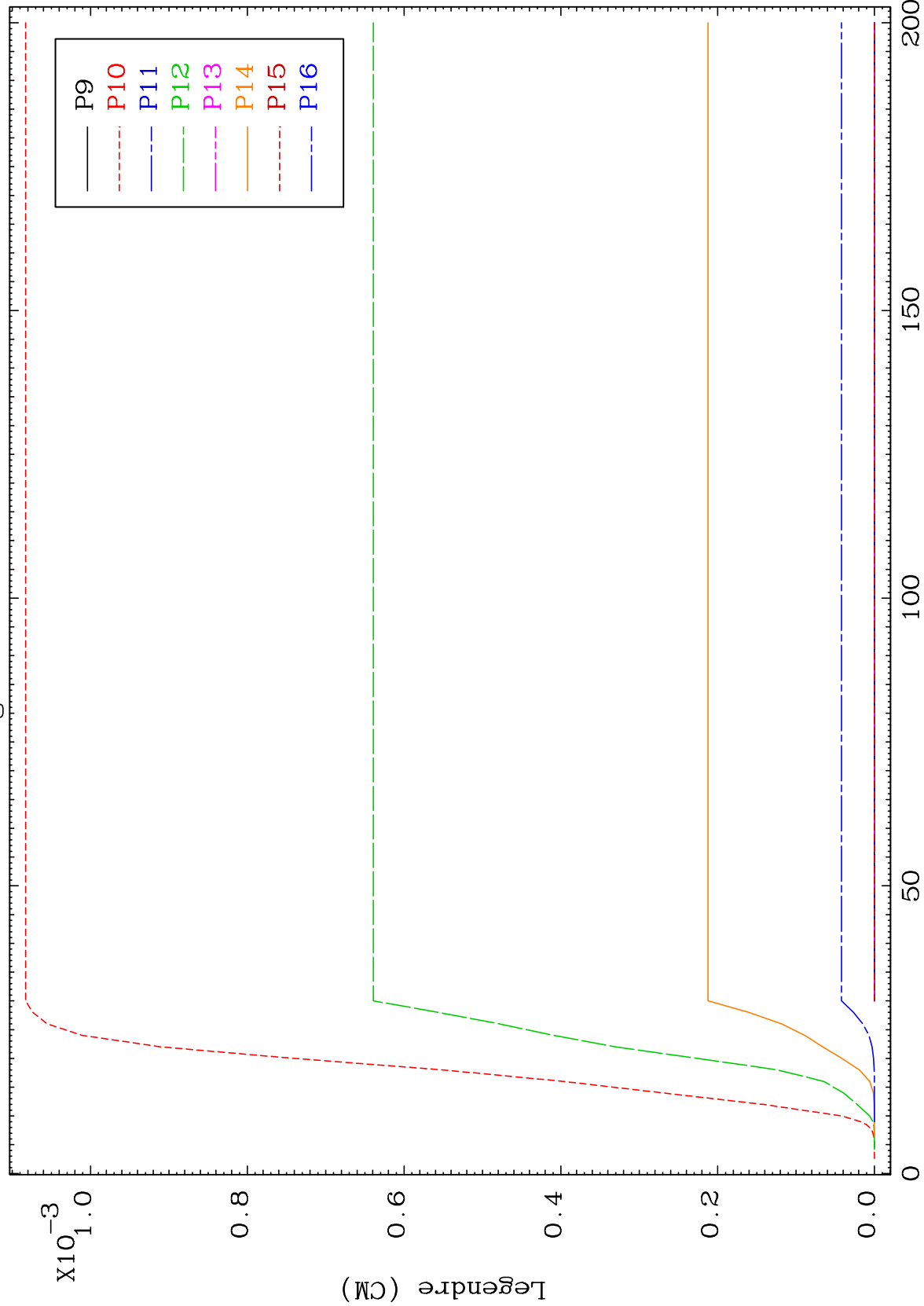
39-Y -90



MAT 3928

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

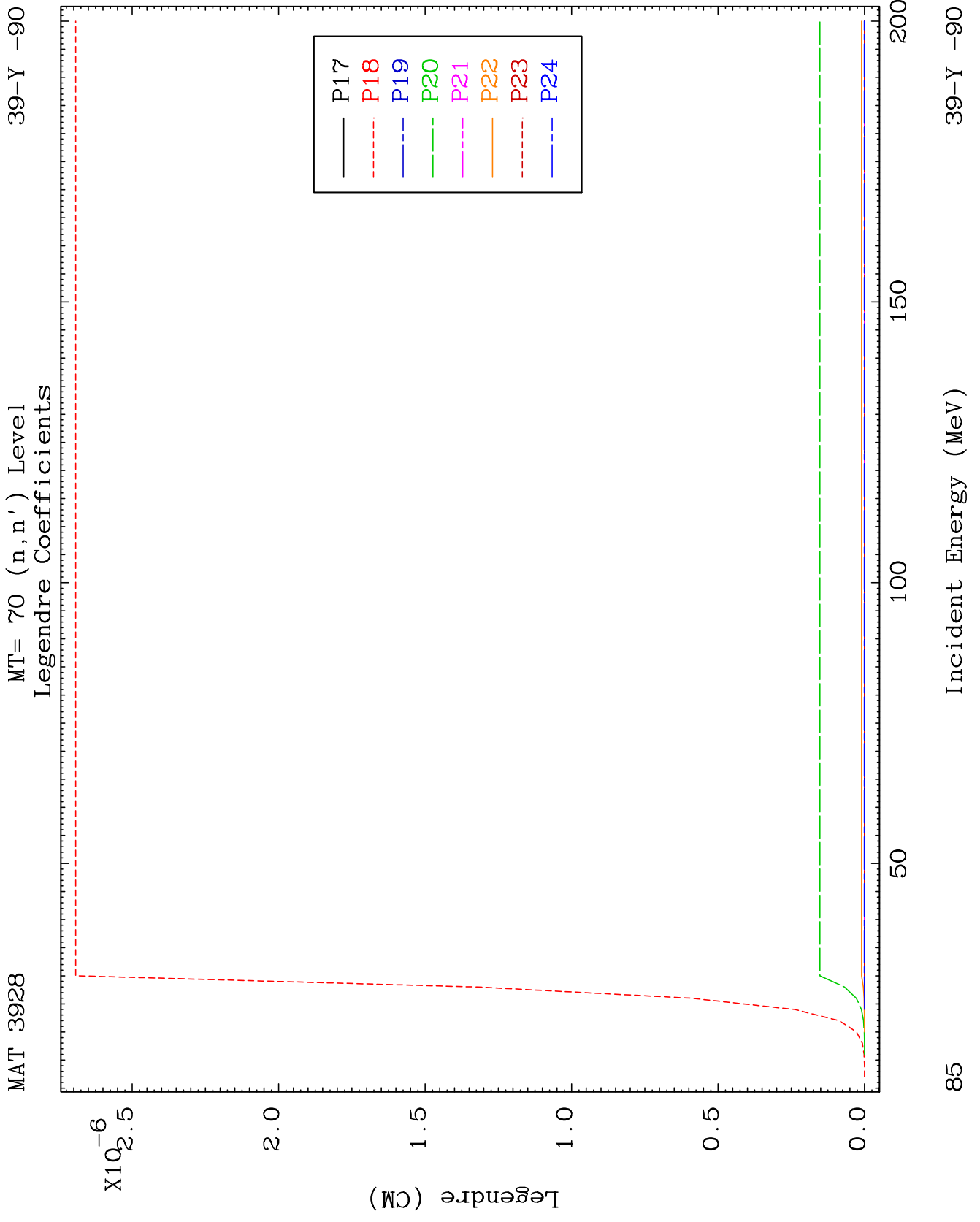
39-Y -90



84

Incident Energy (MeV)

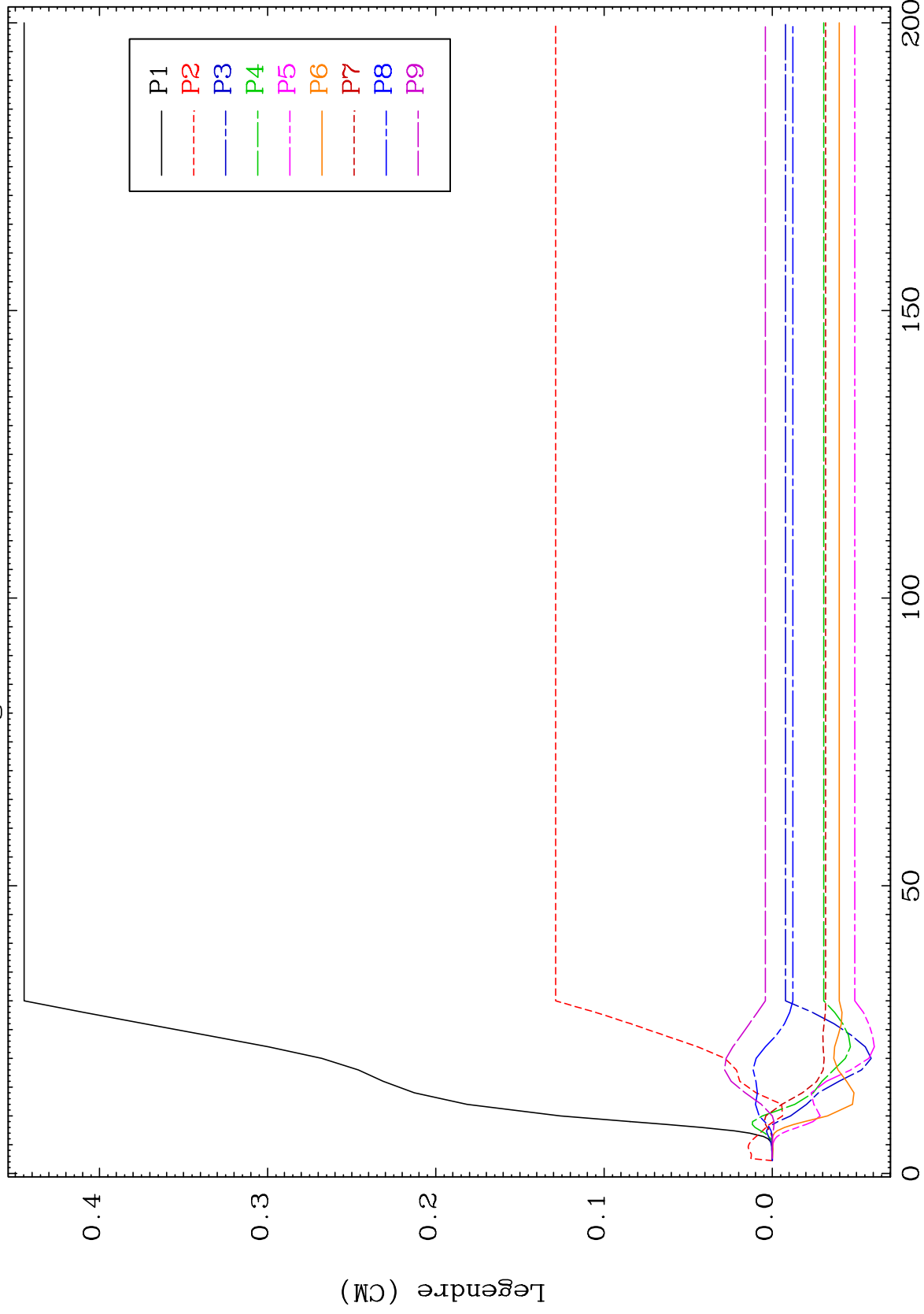
39-Y -90



MAT 3928

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

39-Y -90



86

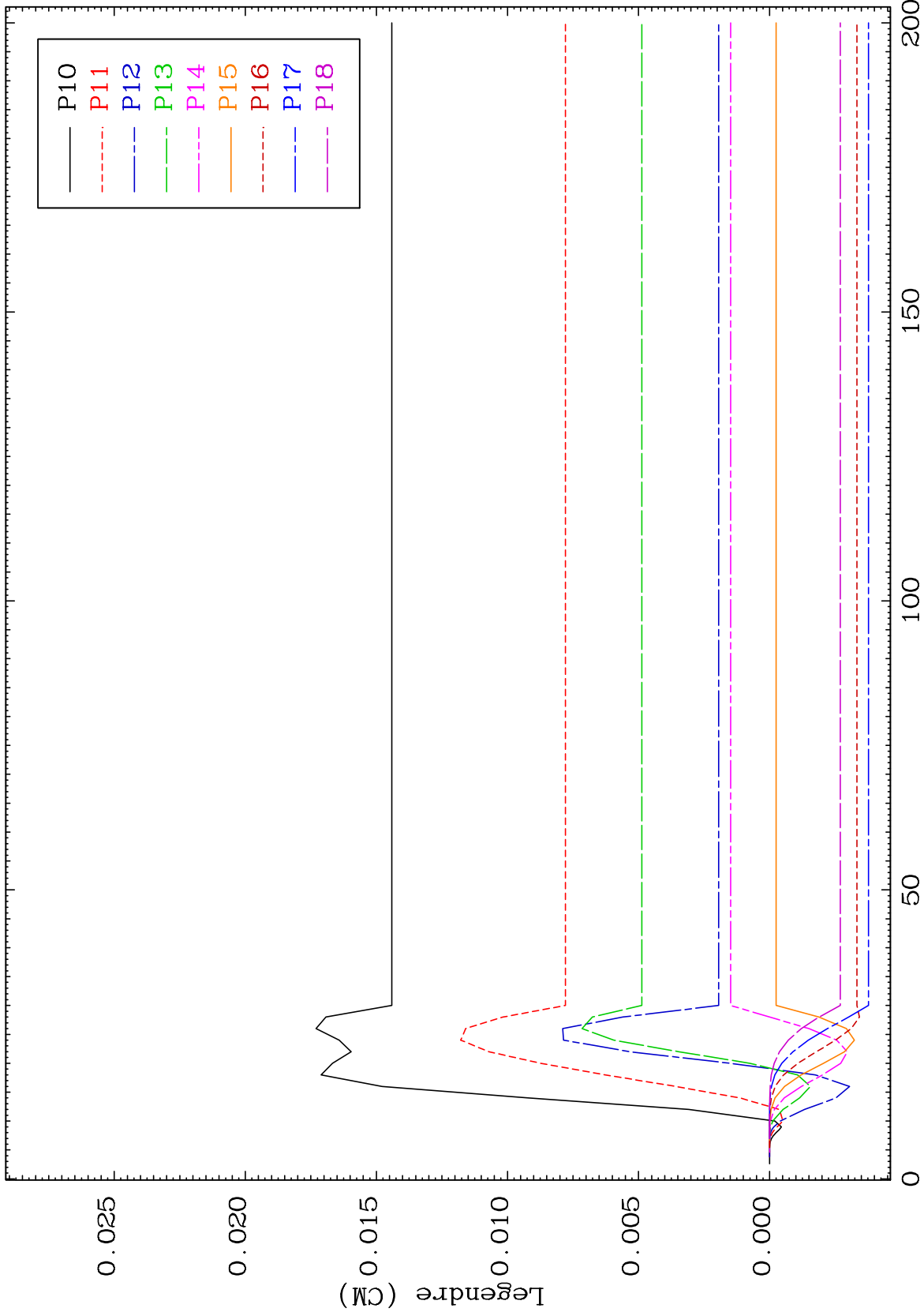
Incident Energy (MeV)

39-Y -90

MAT 3928

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

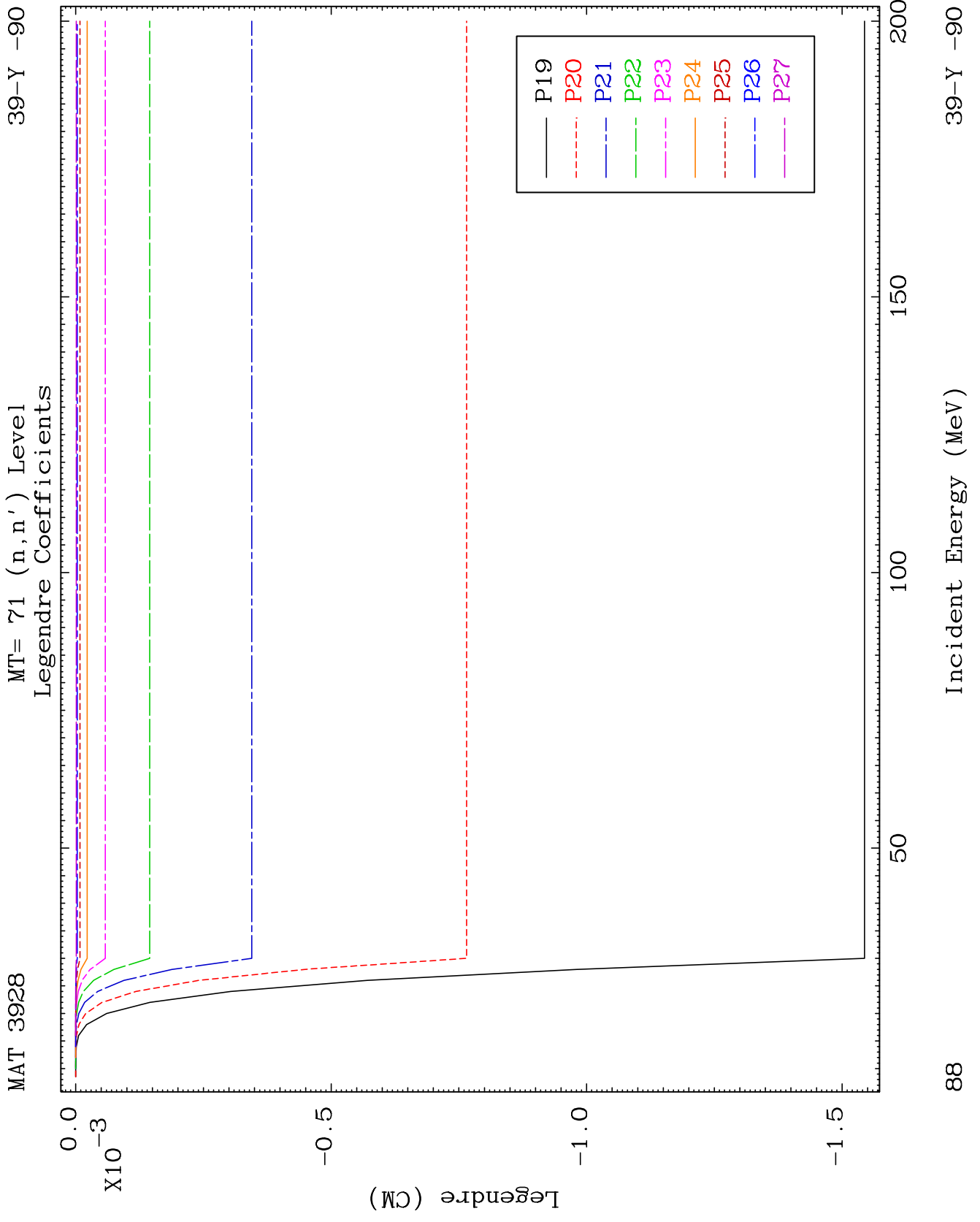
39-Y -90

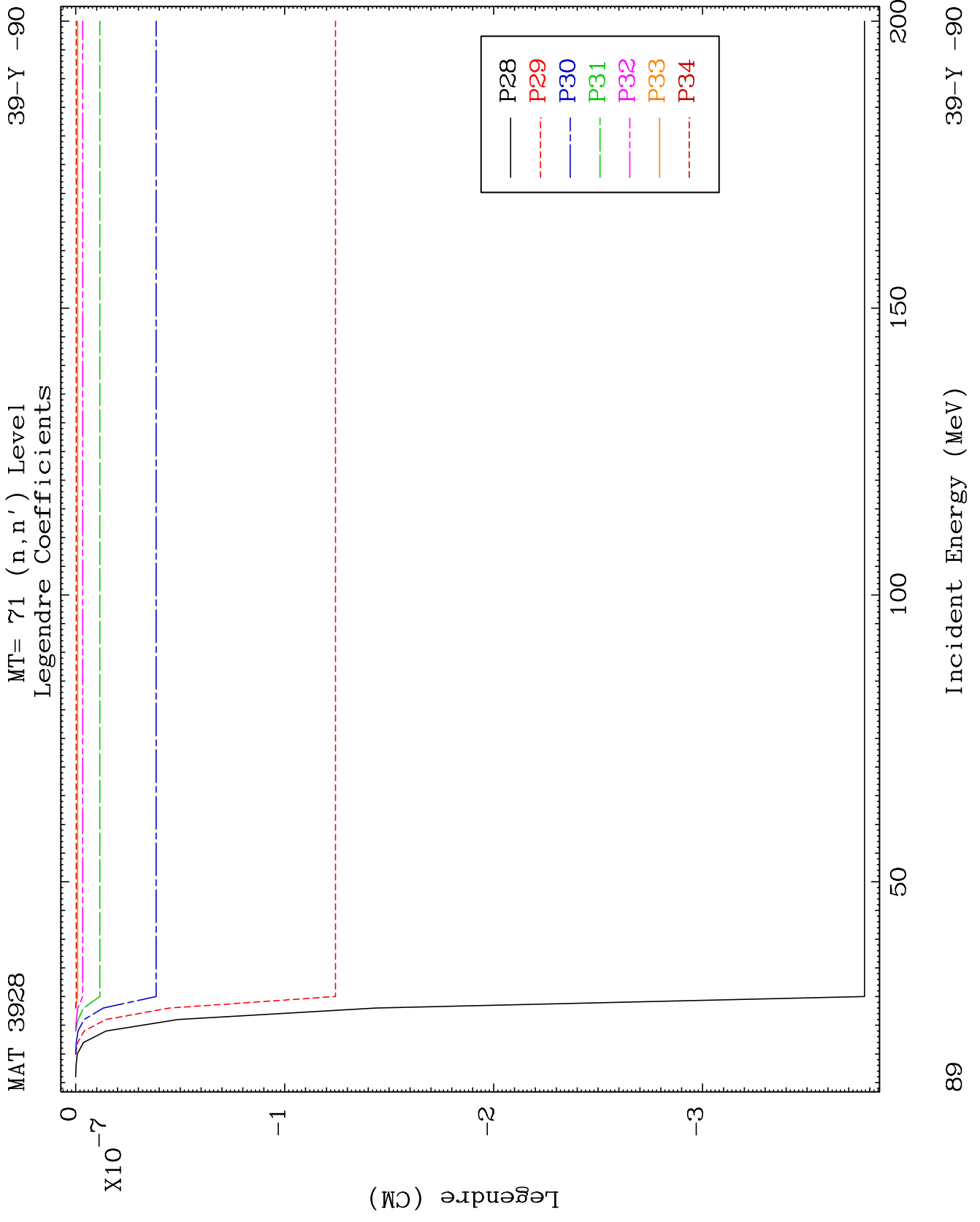


87

Incident Energy (MeV)

39-Y -90

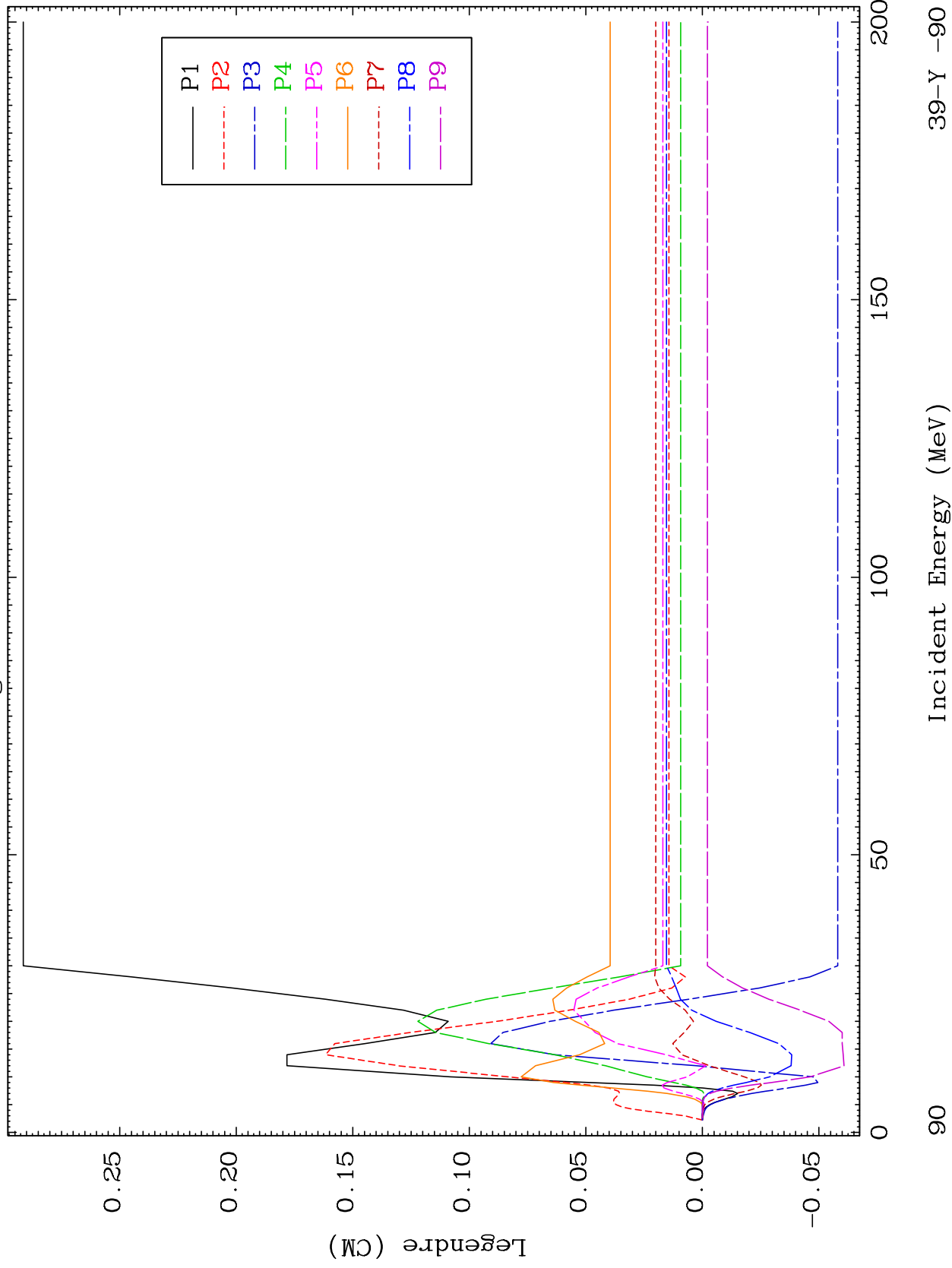




MAT 3928

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

39-Y -90

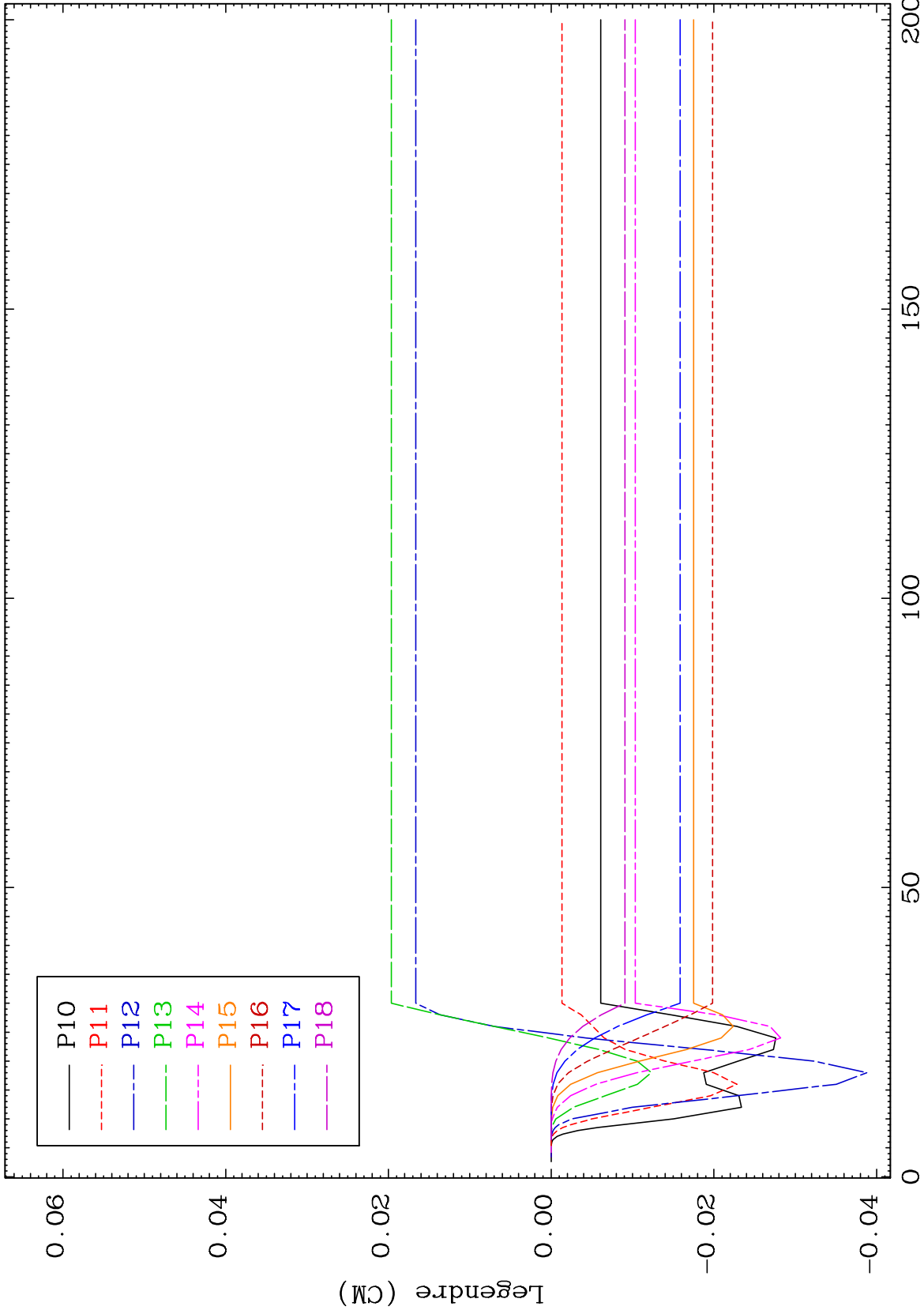


39-Y -90

MAT 3928

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

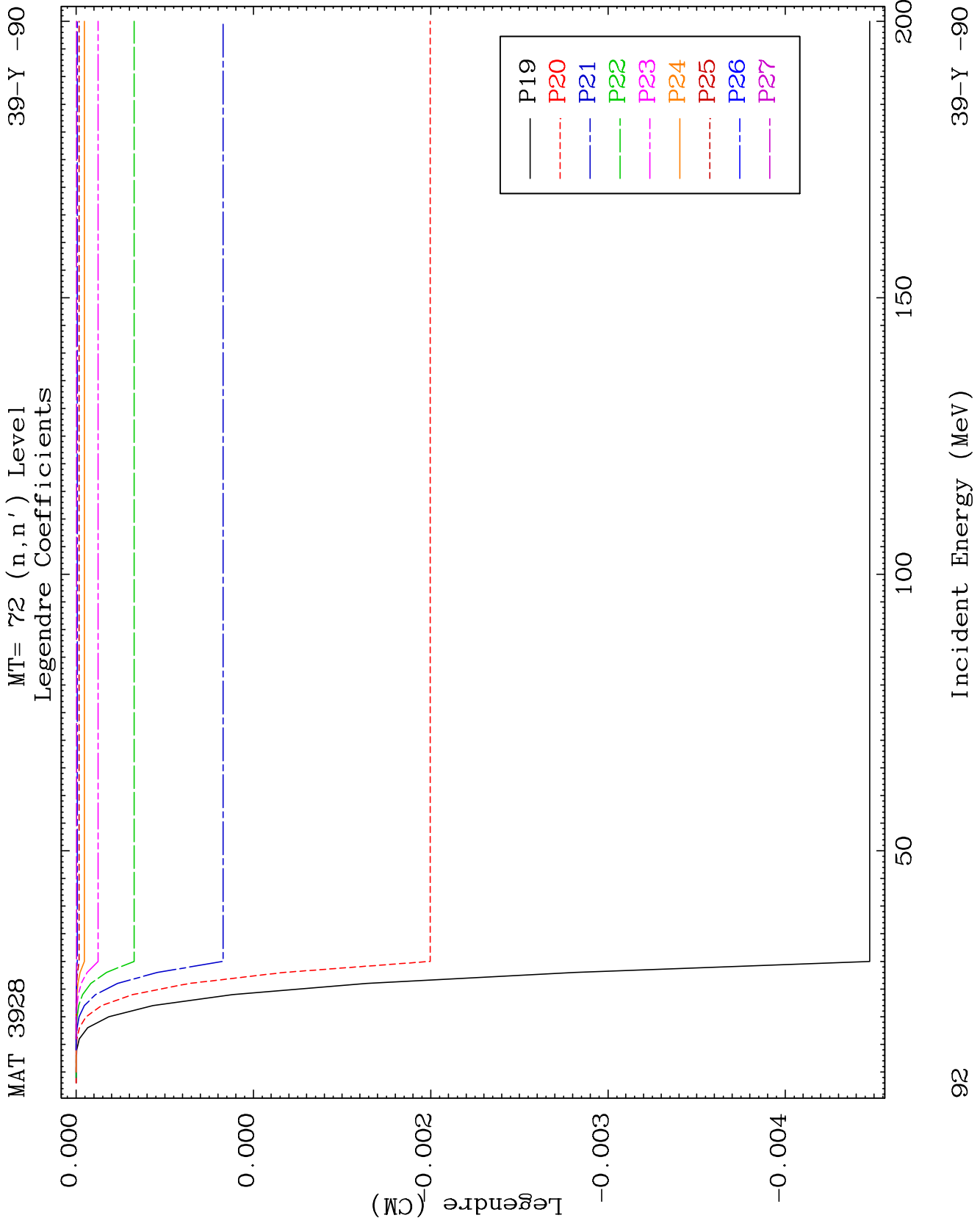
39-Y -90

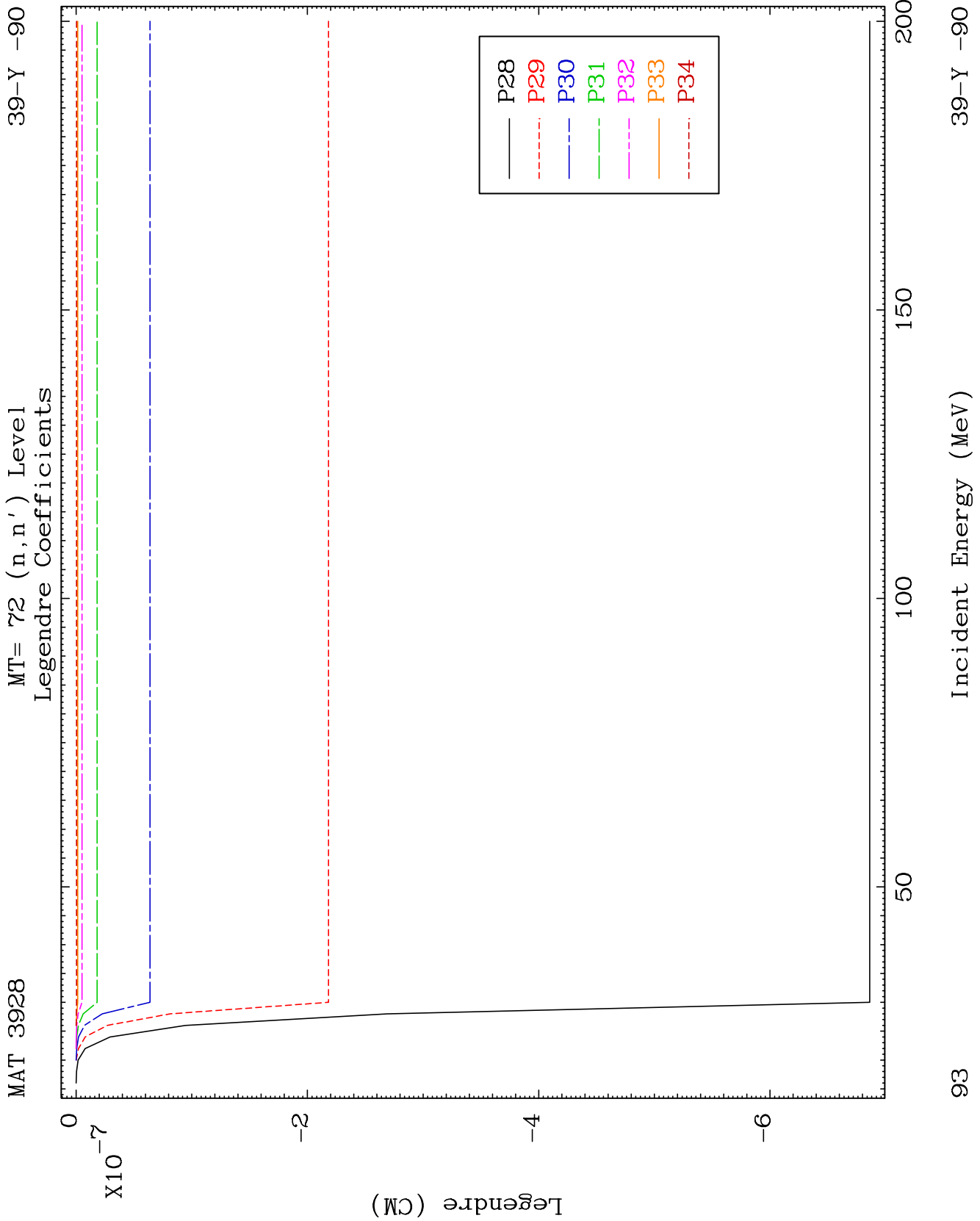


91

Incident Energy (MeV)

39-Y -90

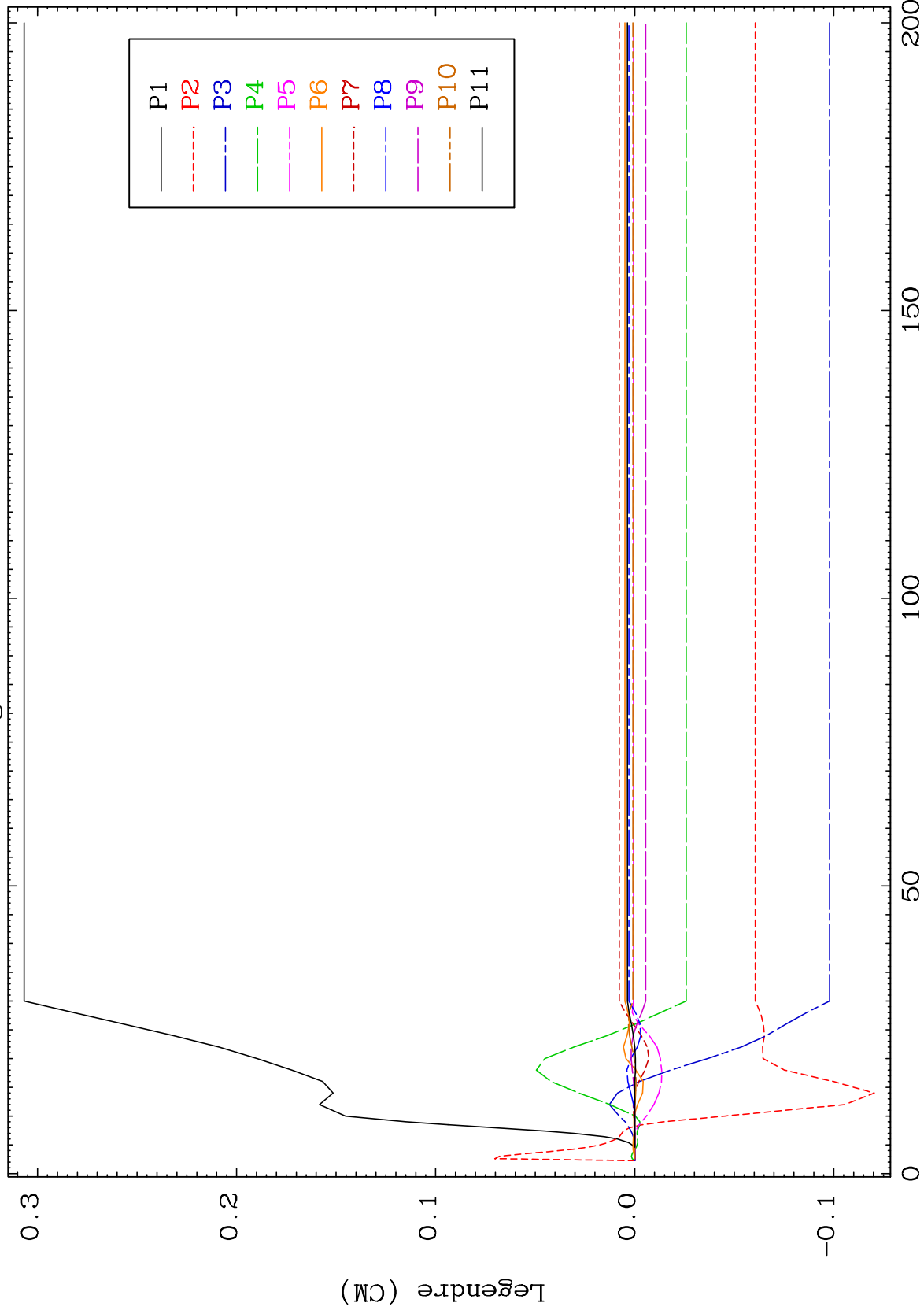


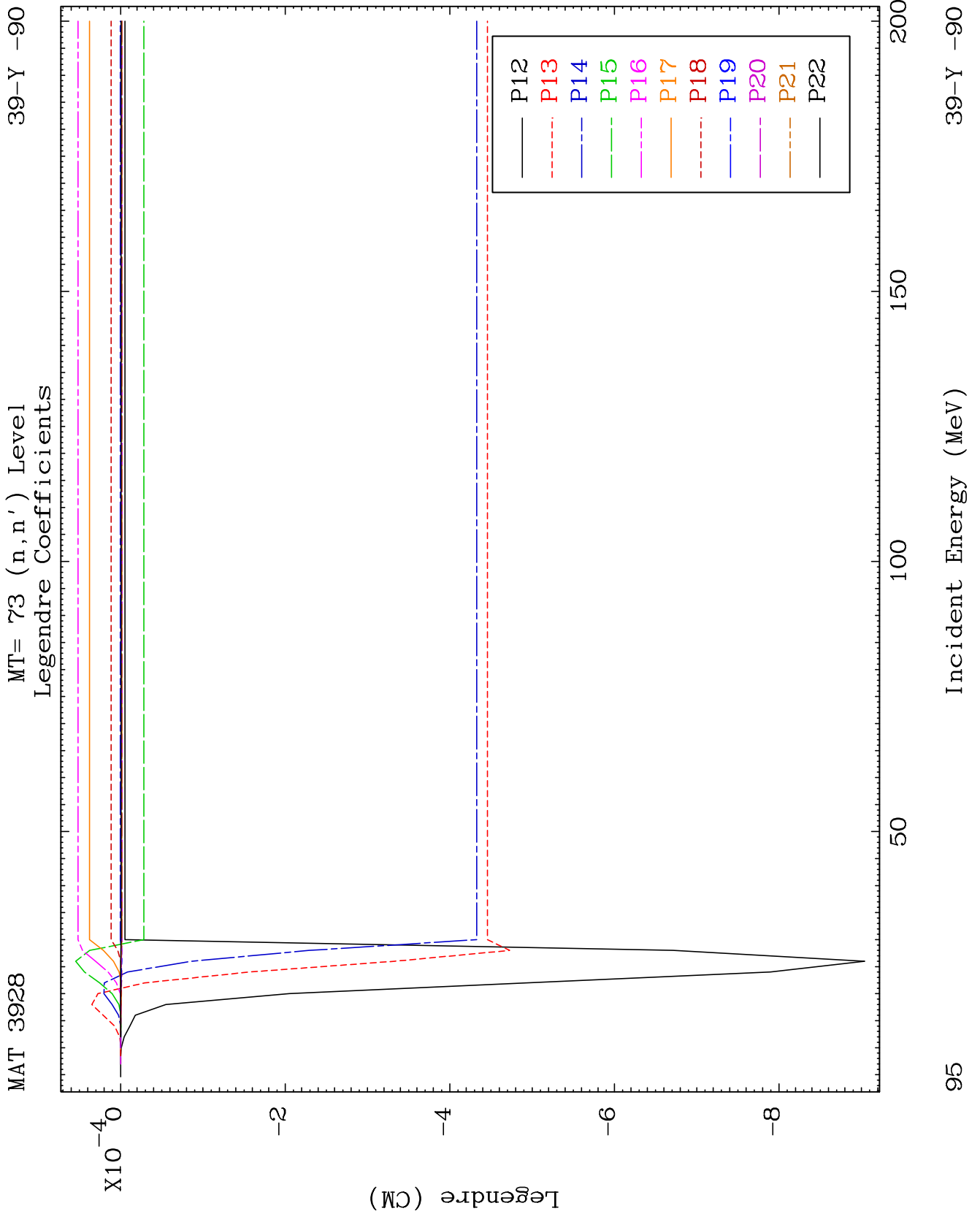


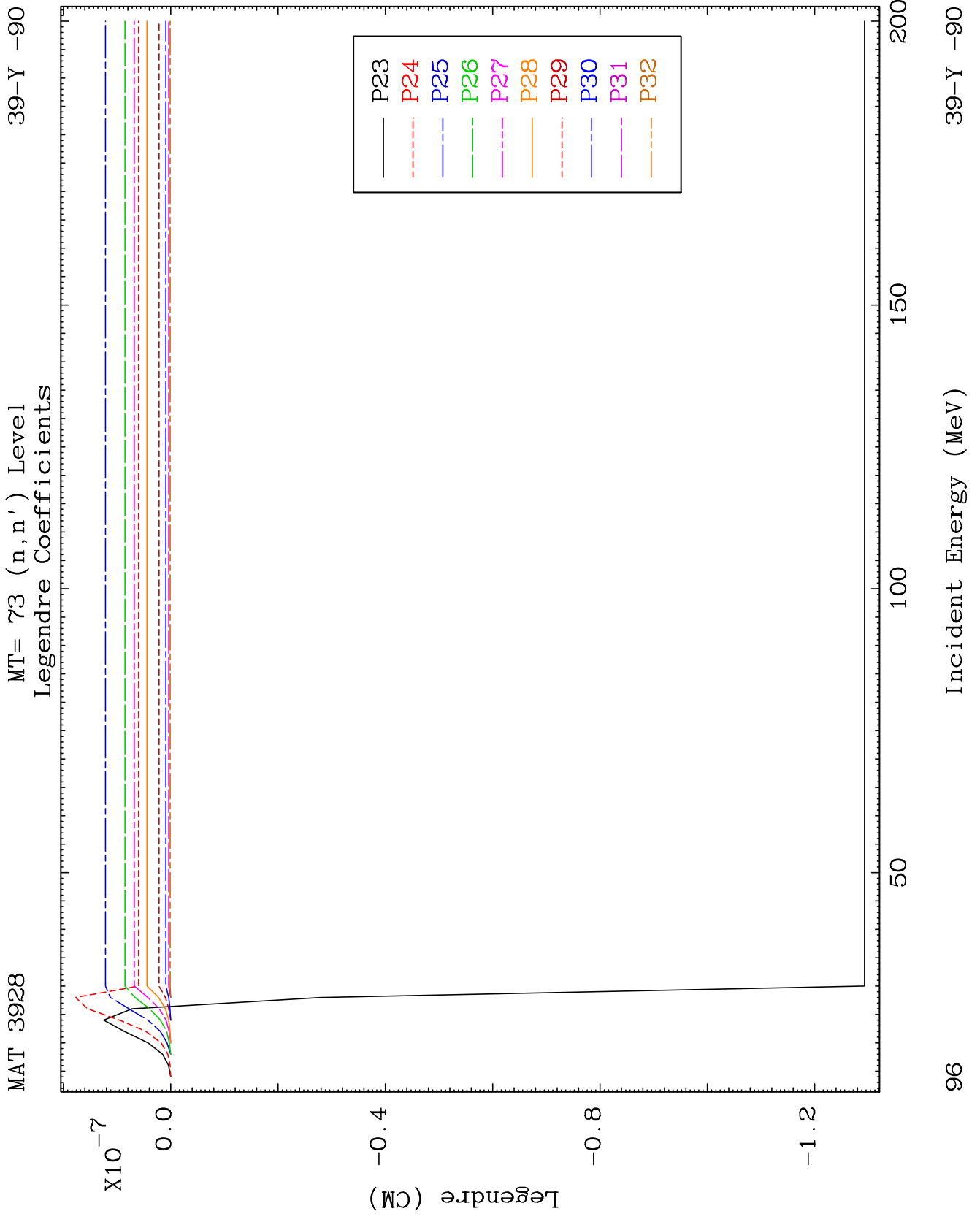
MAT 3928

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

39-Y -90



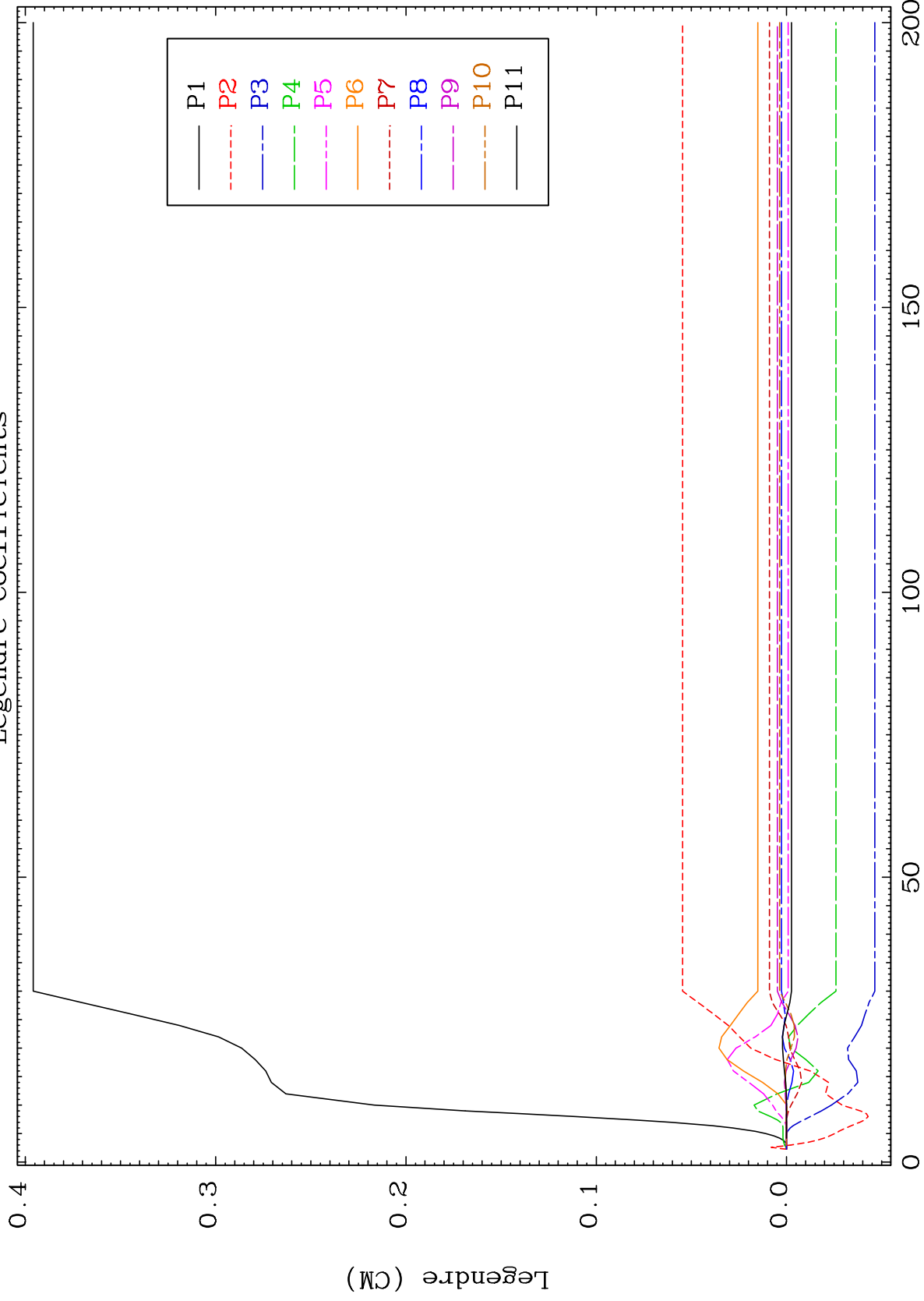




MAT 3928

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

39-Y -90



97

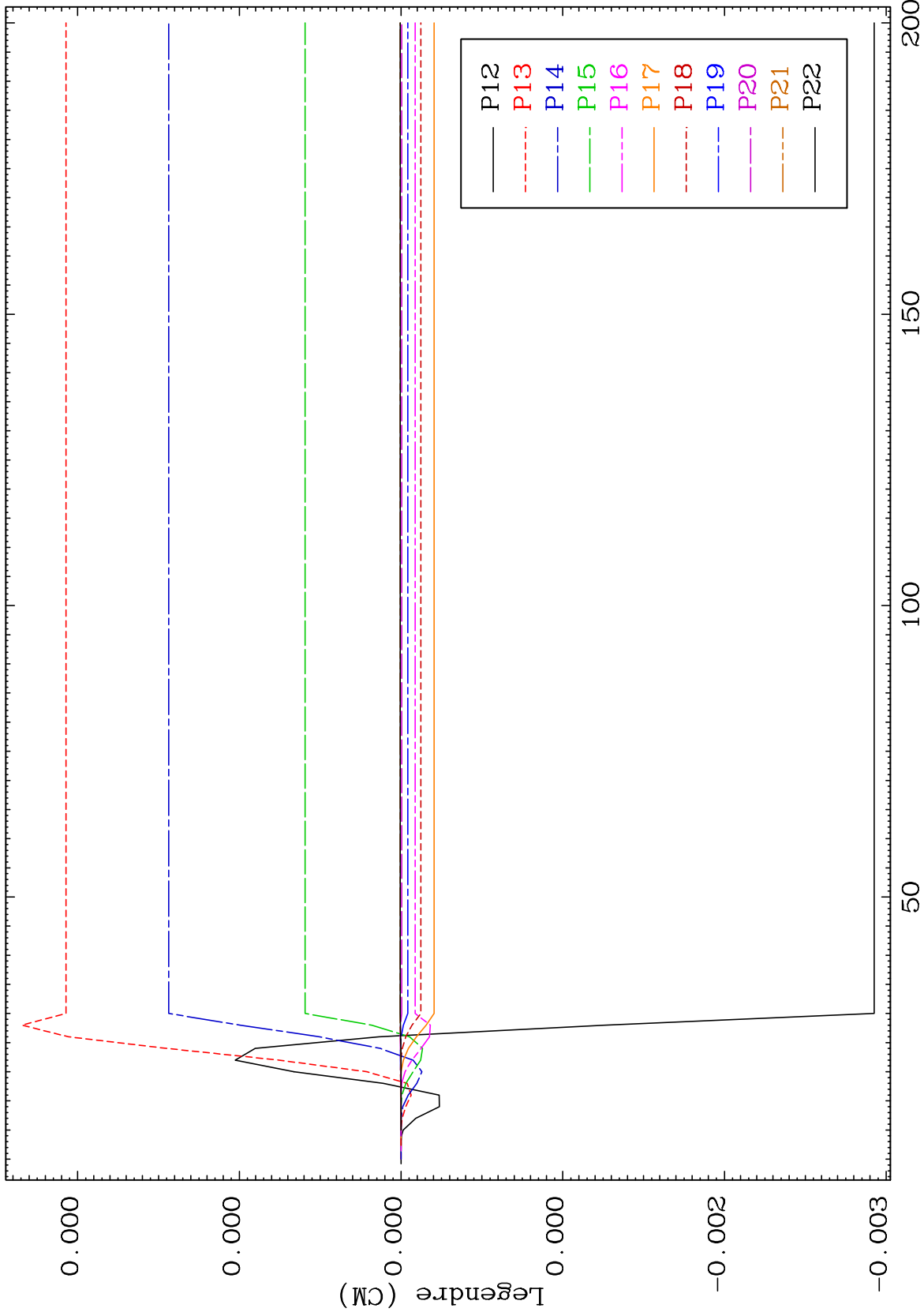
Incident Energy (MeV)

39-Y -90

MAT 3928

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

39-Y -90



98

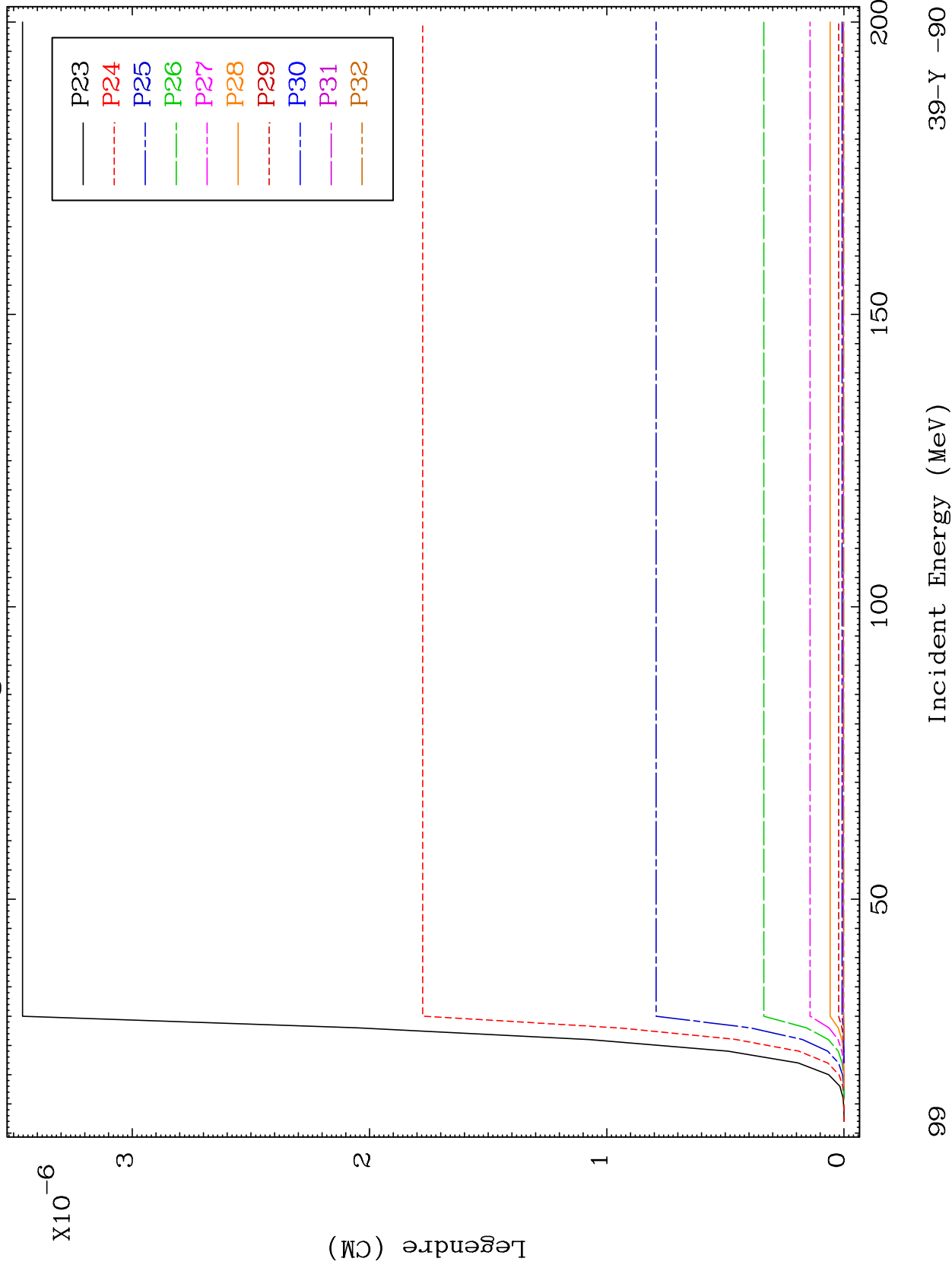
Incident Energy (MeV)

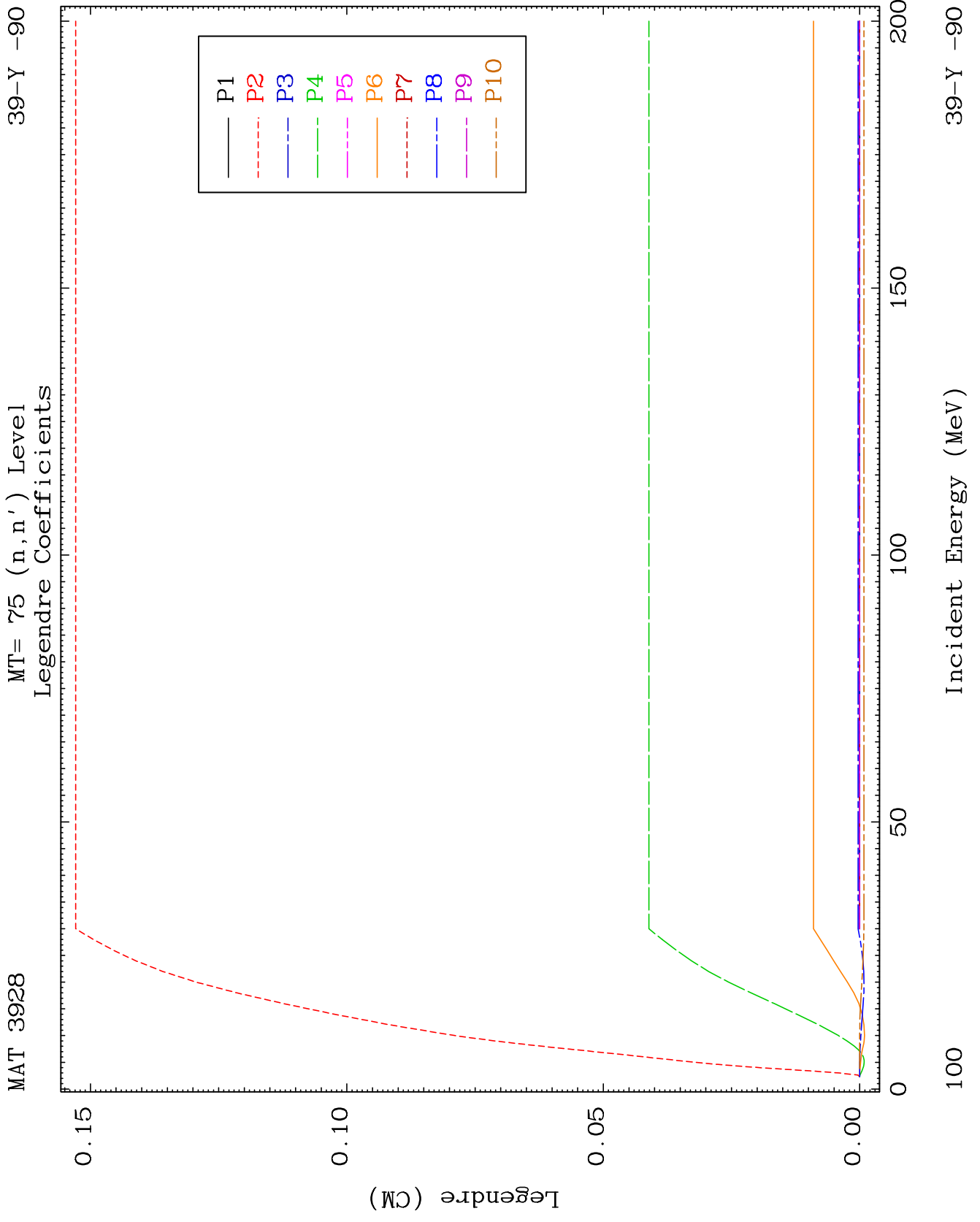
39-Y -90

MAT 3928

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

39-Y -90

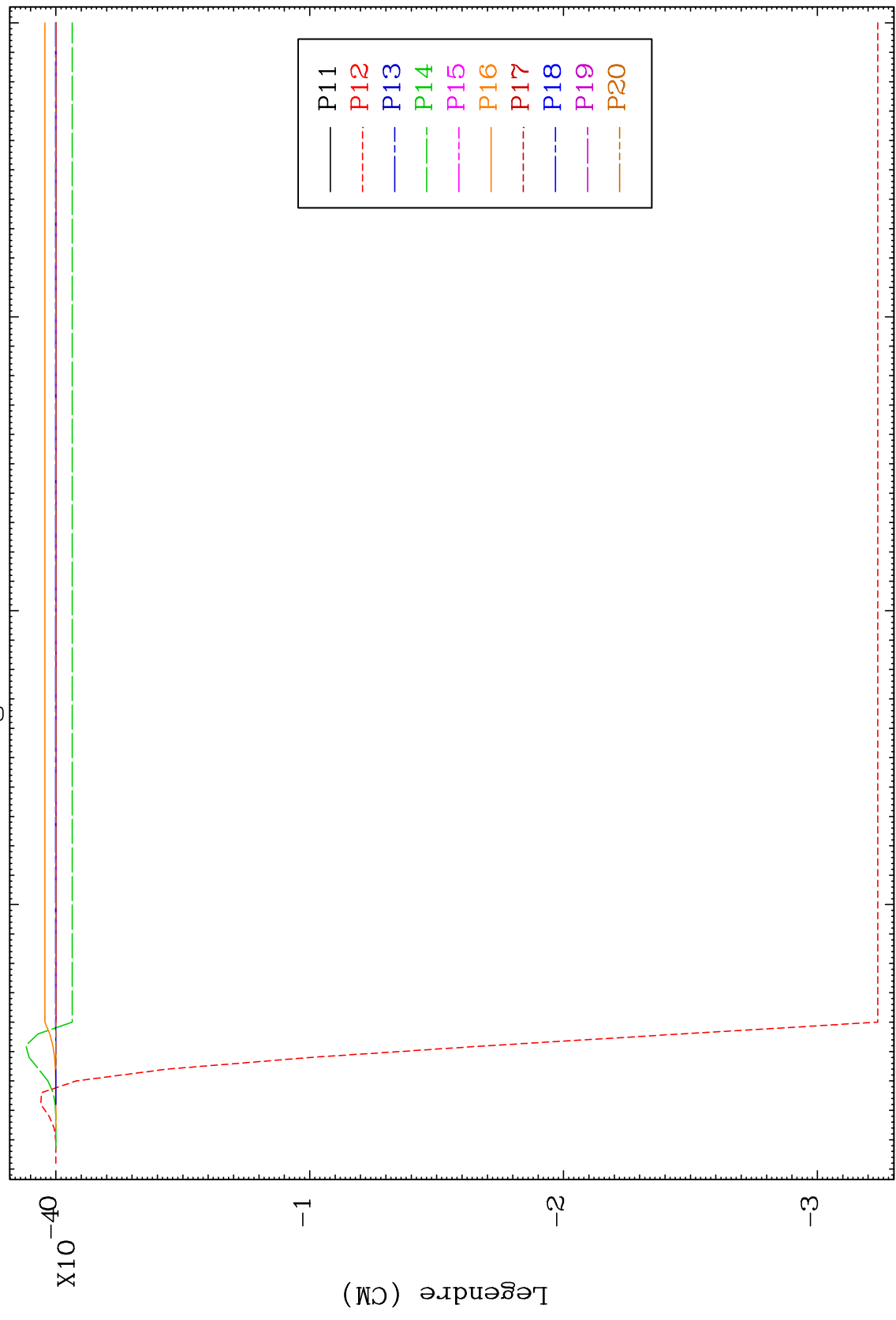




MAT 3928

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

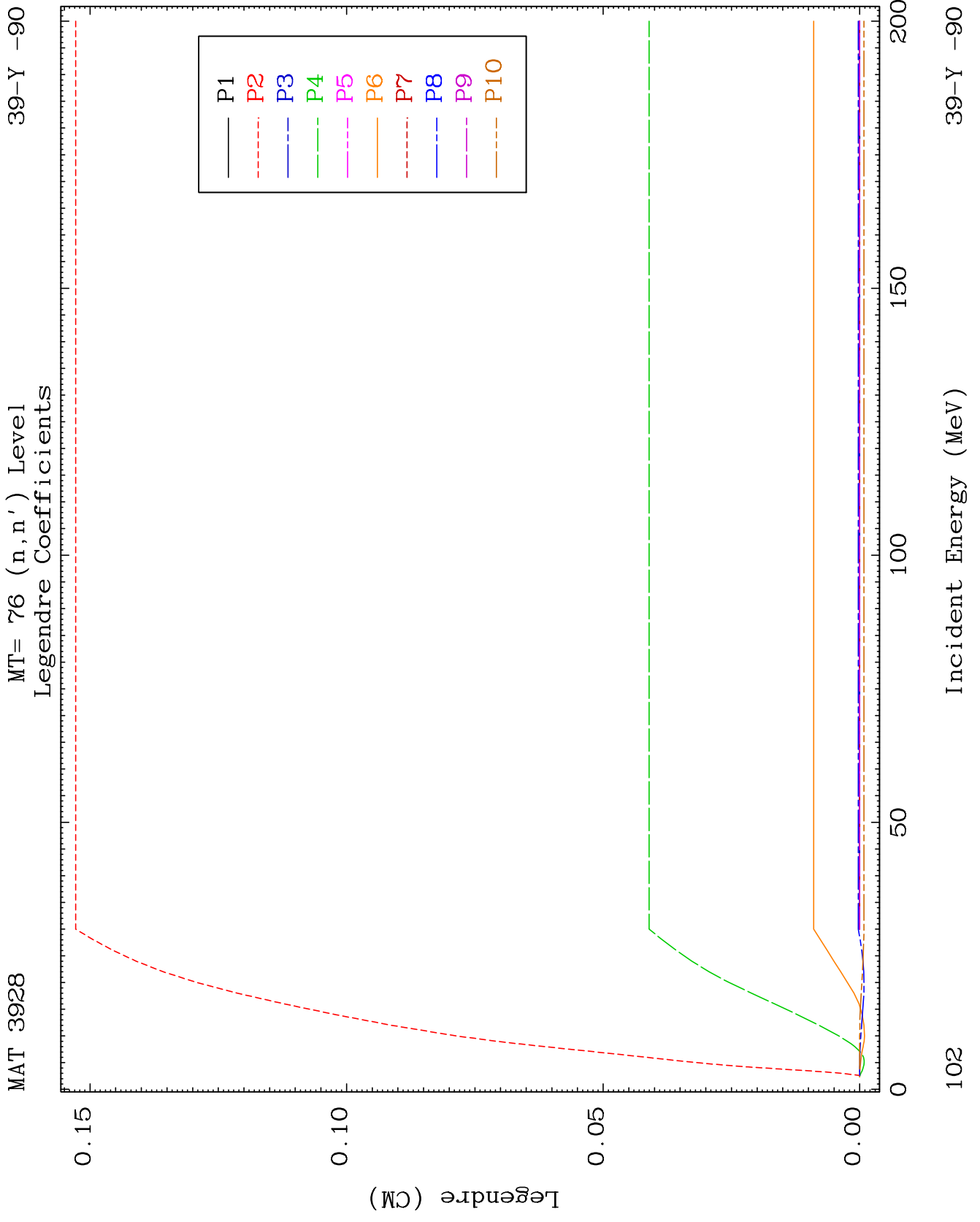
39-Y -90



101

Incident Energy (MeV)

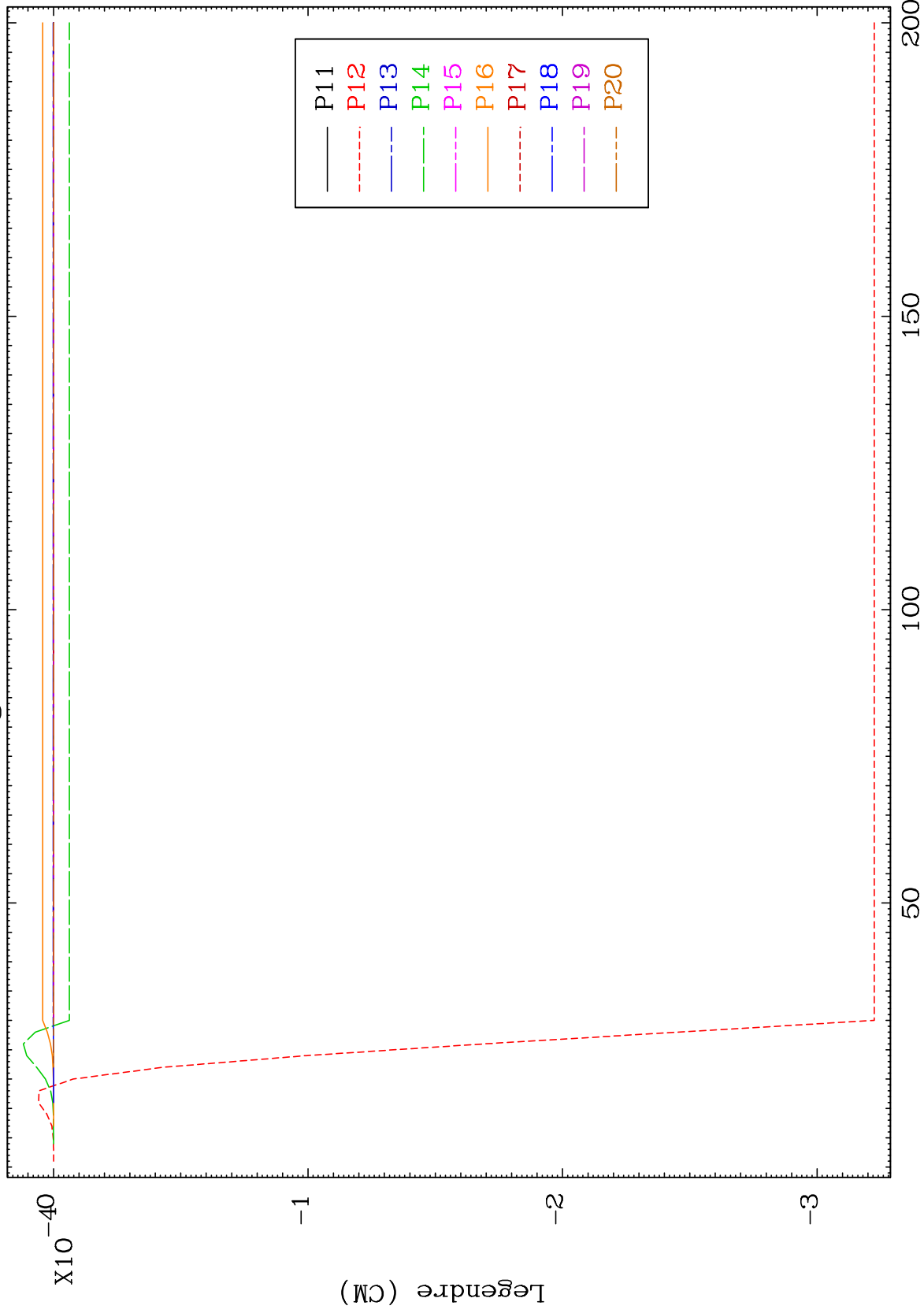
39-Y -90



MAT 3928

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

39-Y -90



103

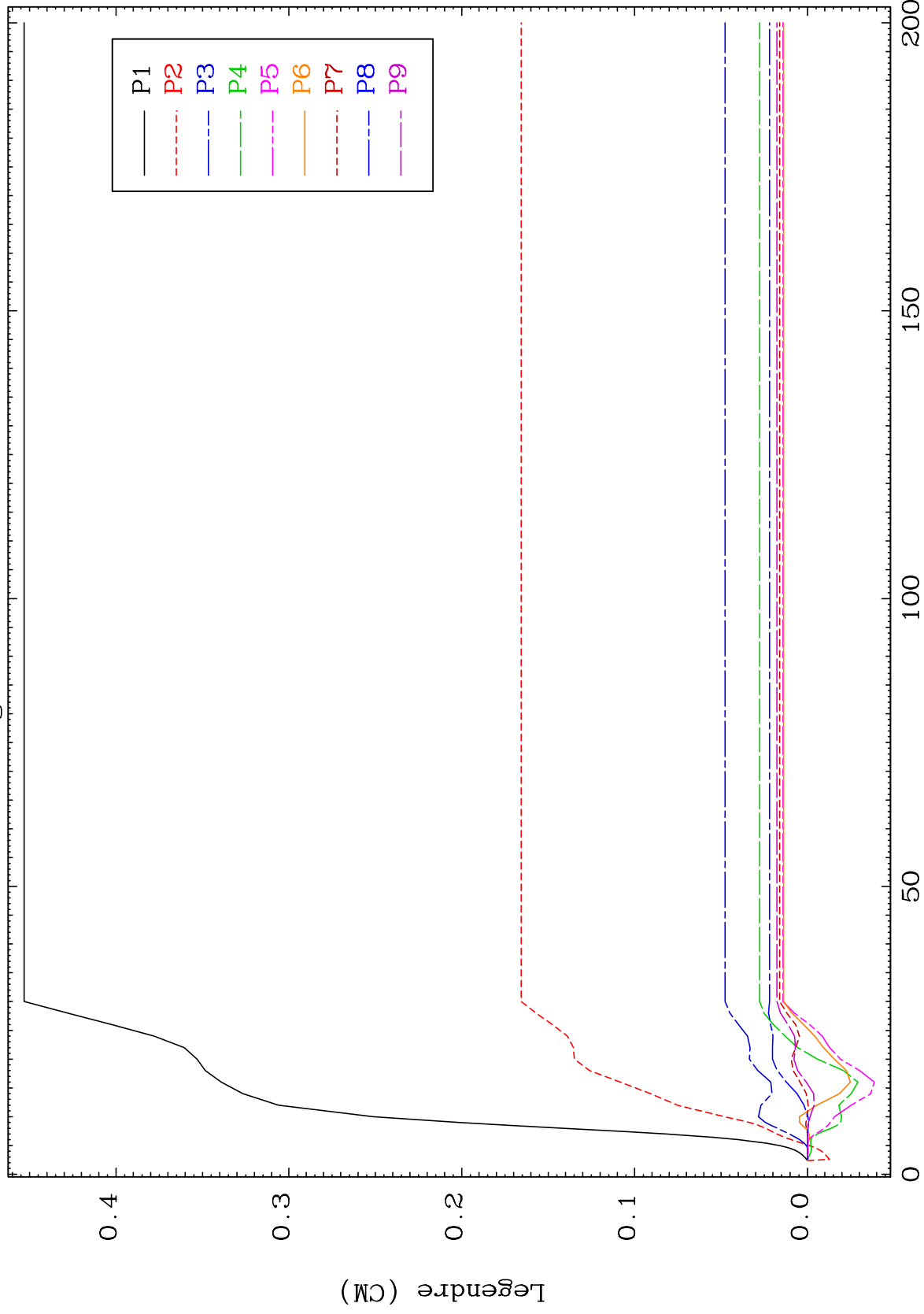
Incident Energy (MeV)

39-Y -90

MAT 3928

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

39-Y -90



104

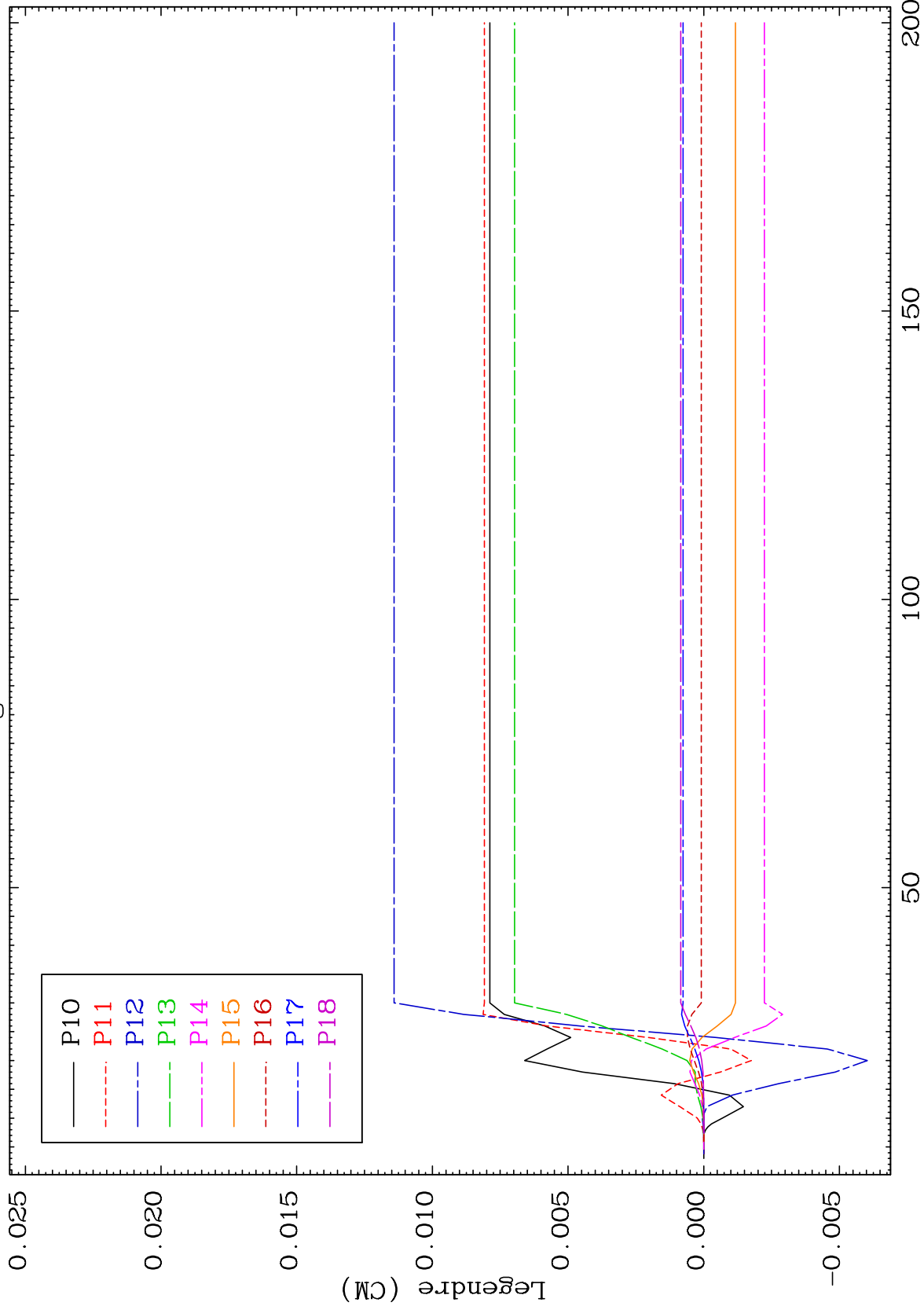
Incident Energy (MeV)

39-Y -90

MAT 3928

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

39-Y -90



105

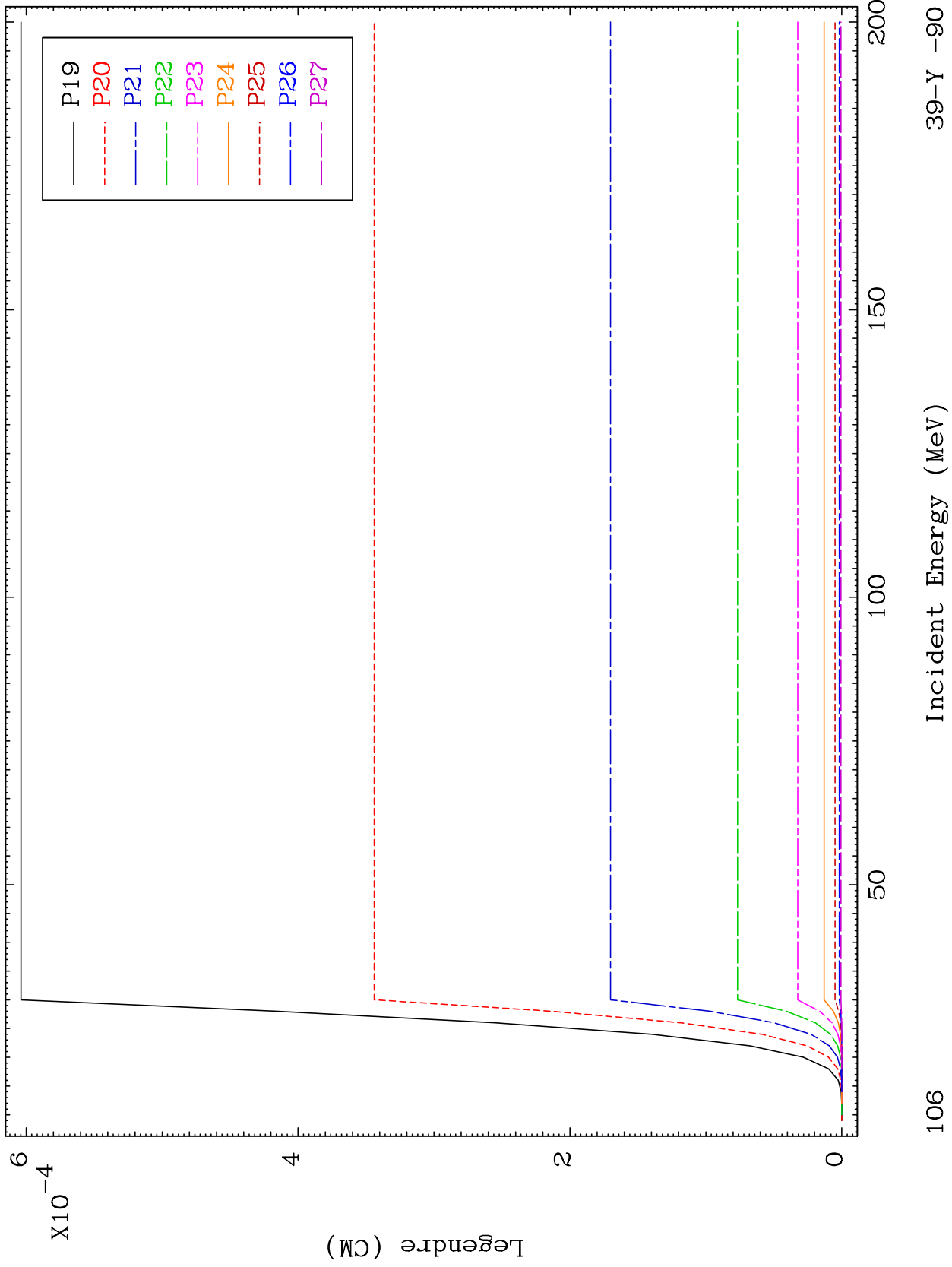
Incident Energy (MeV)

39-Y -90

MAT 3928

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

39-Y -90



106

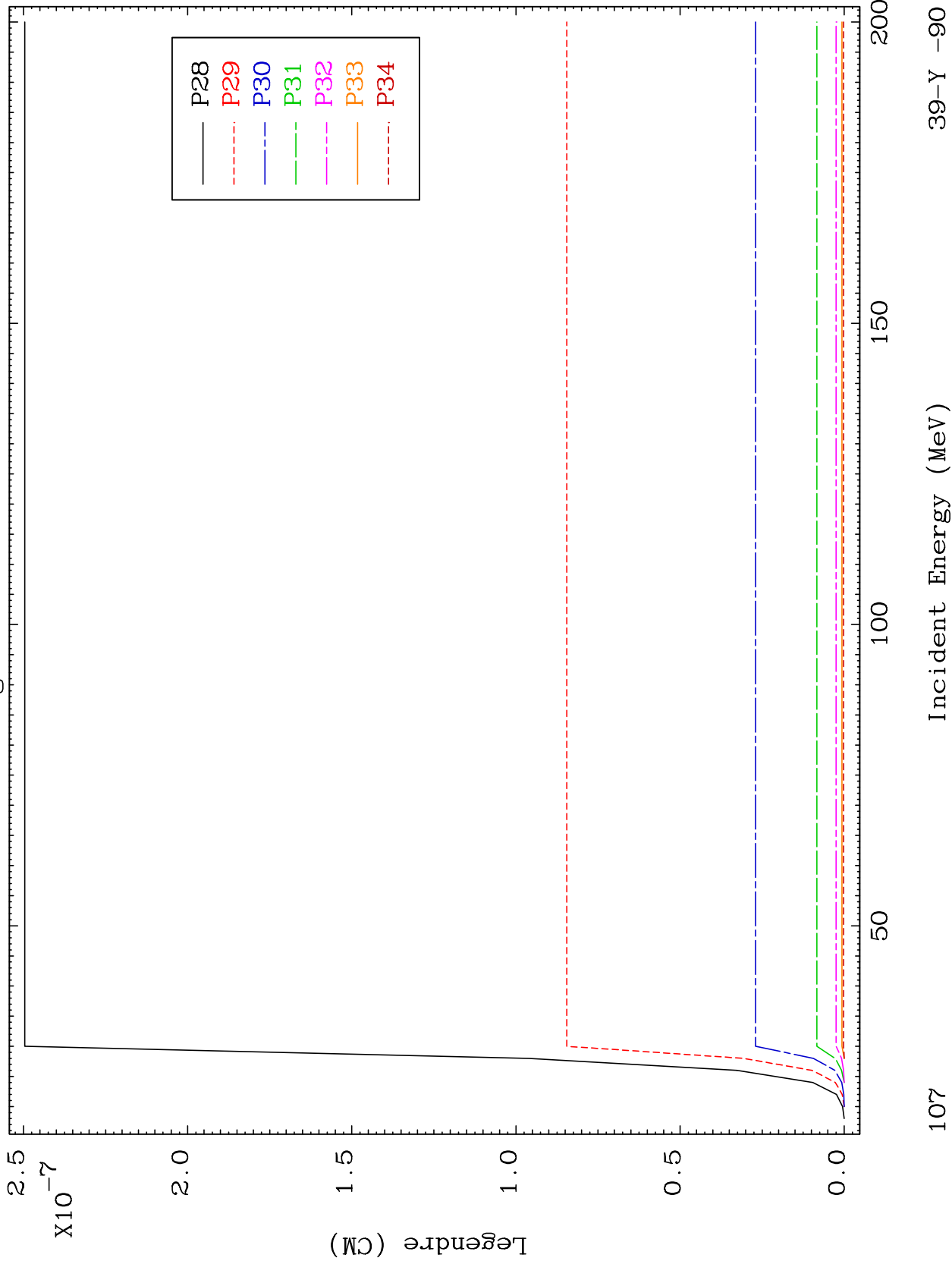
Incident Energy (MeV)

39-Y -90

MAT 3928

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

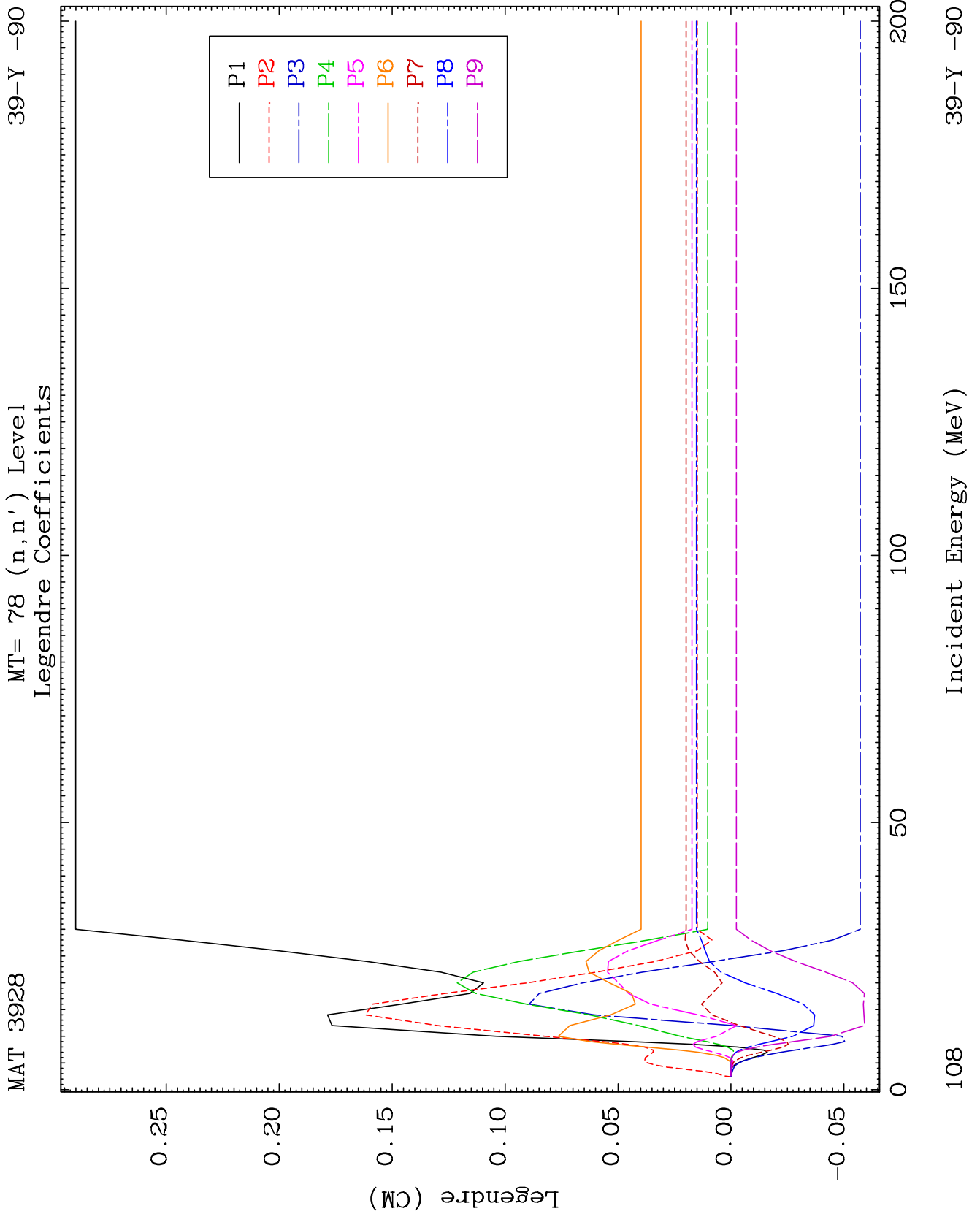
39-Y -90



107

Incident Energy (MeV)

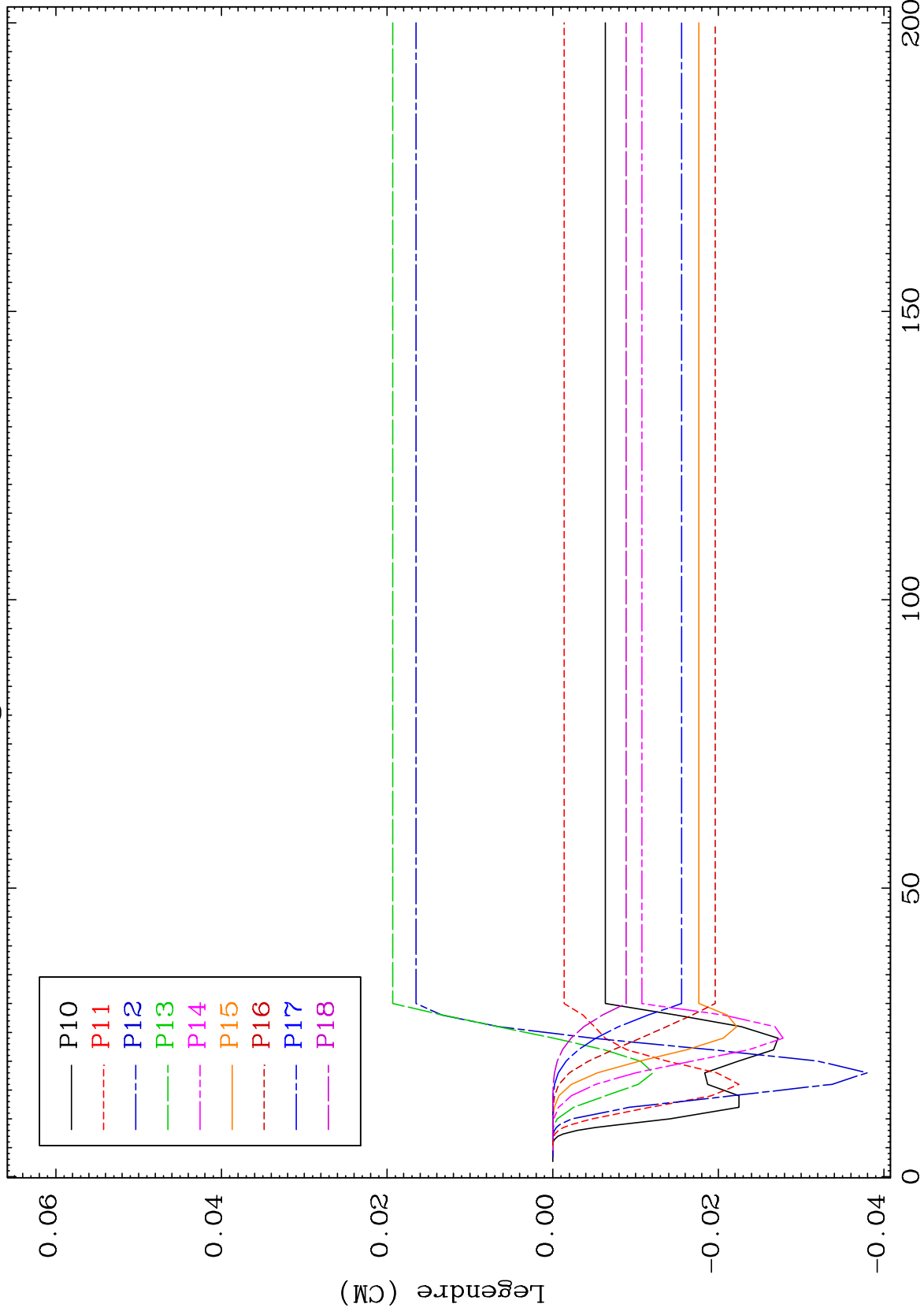
39-Y -90



MAT 3928

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

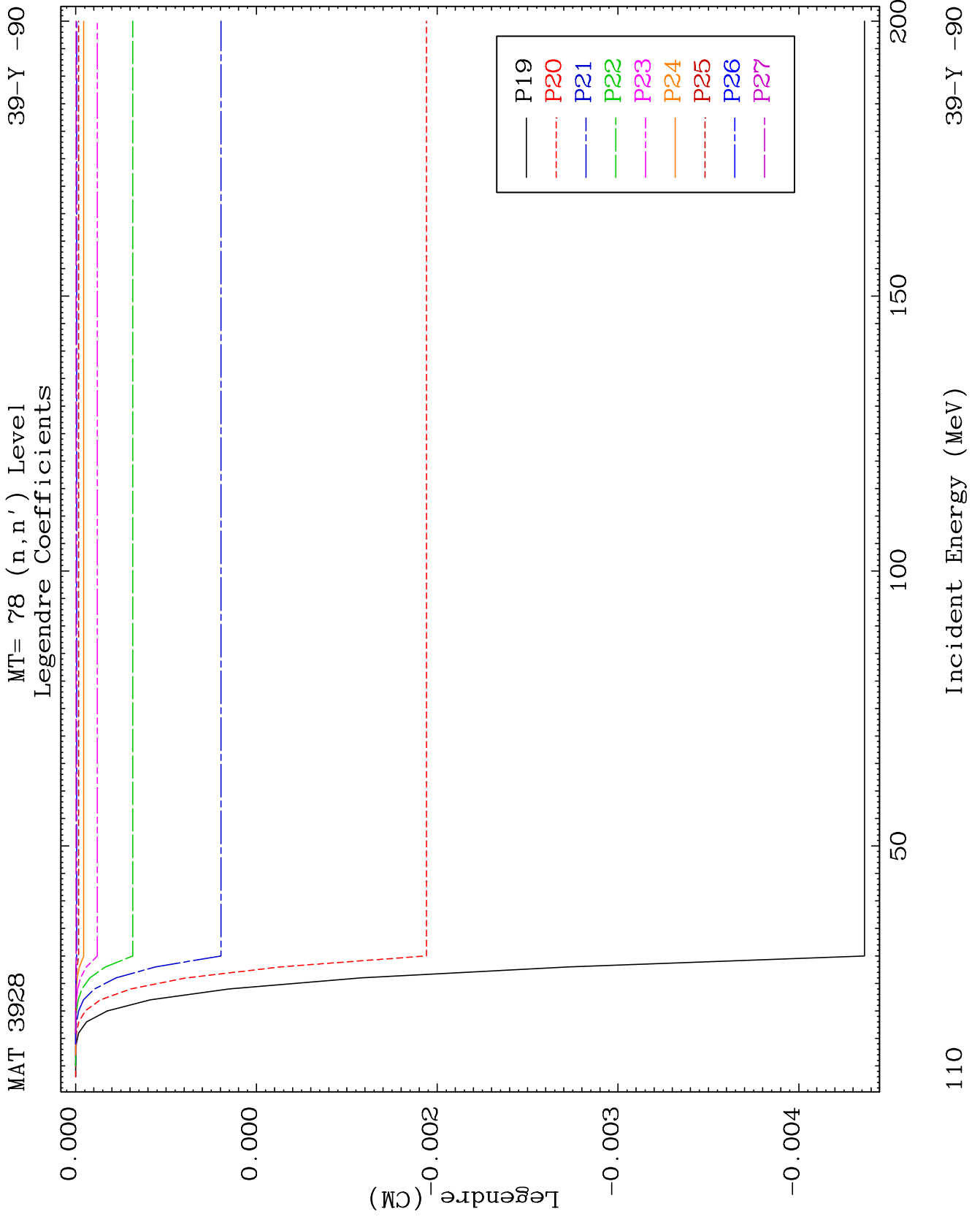
39-Y -90

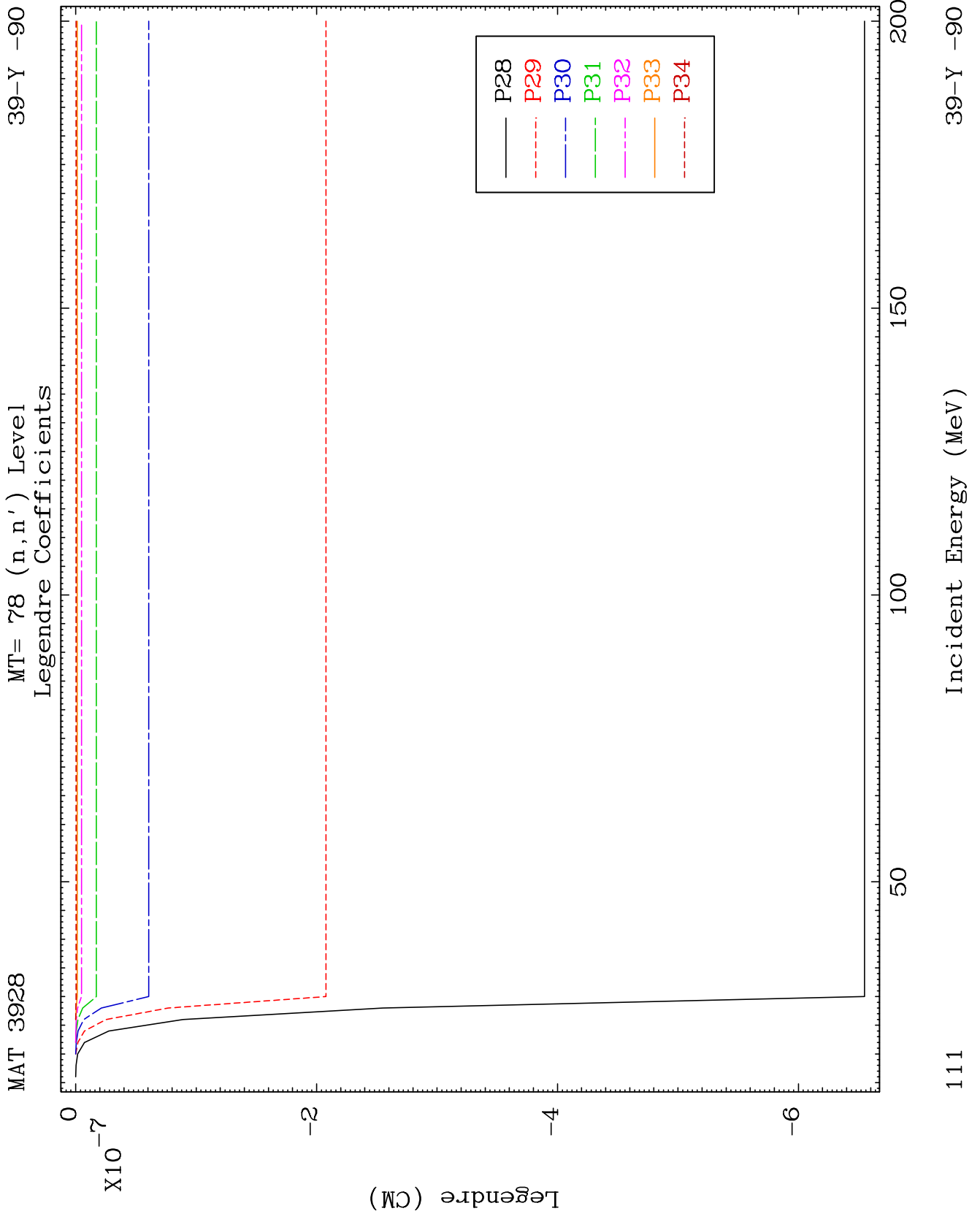


109

Incident Energy (MeV)

39-Y -90

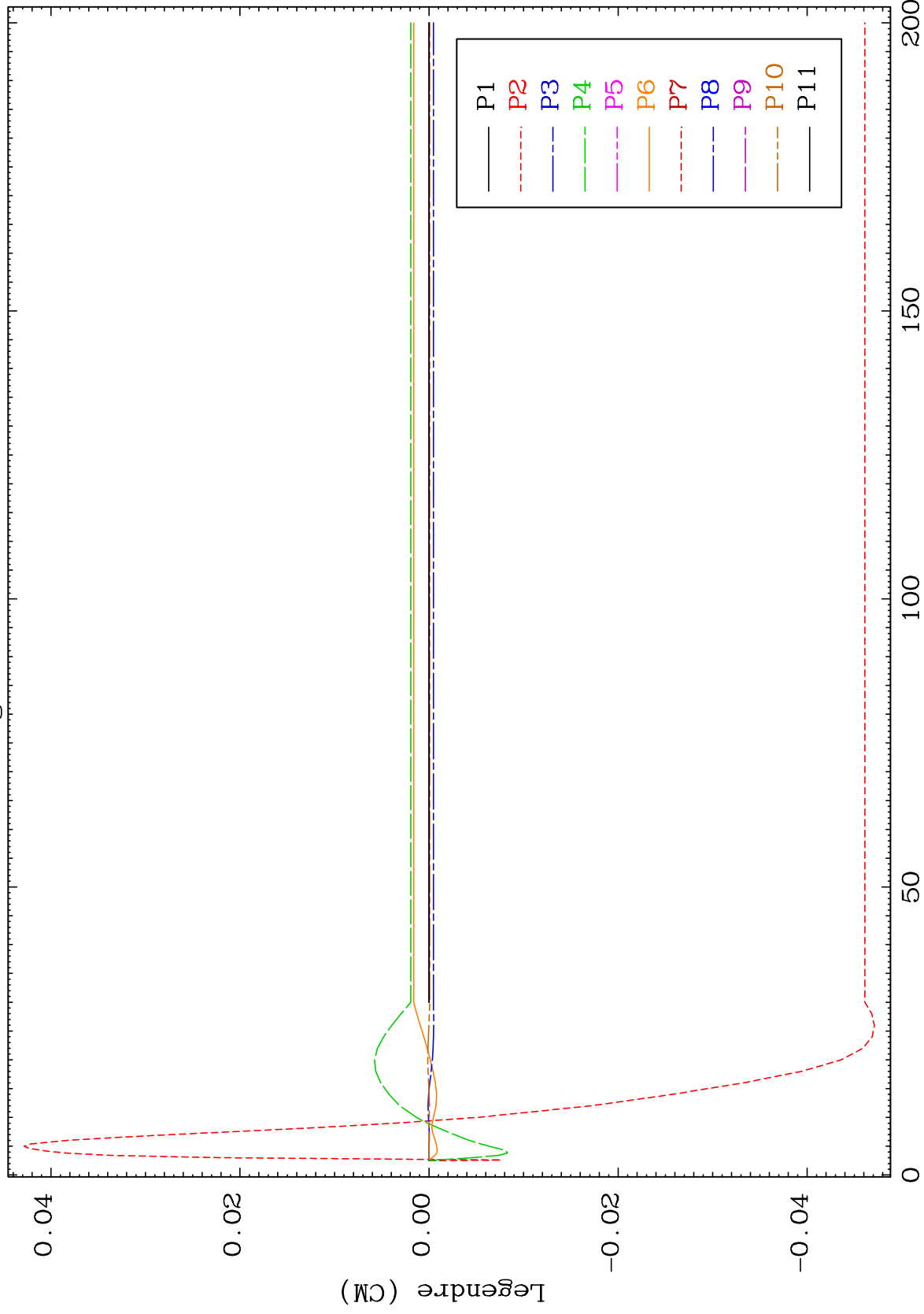




MAT 3928

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

39-Y -90



112

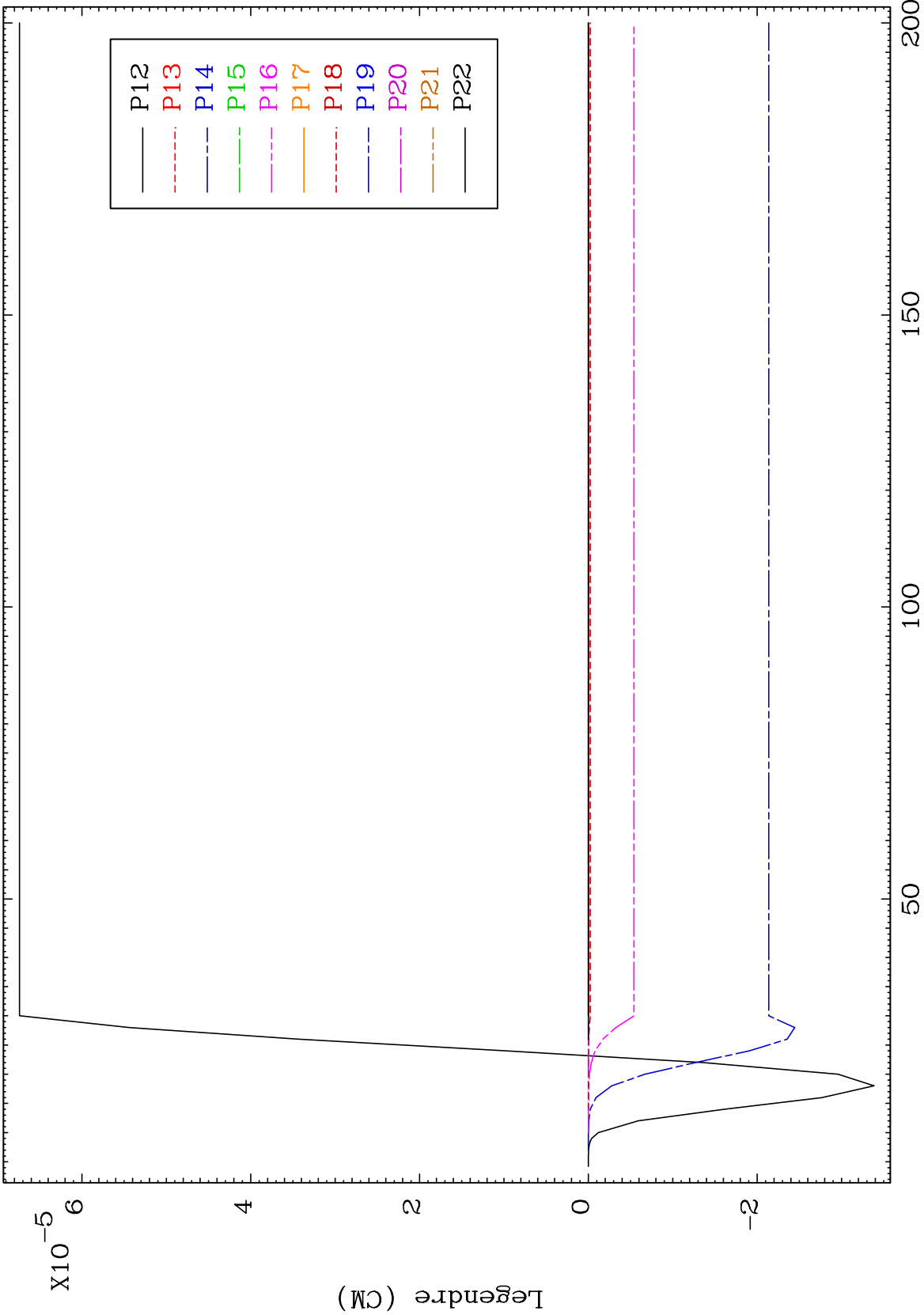
Incident Energy (MeV)

39-Y -90

MAT 3928

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

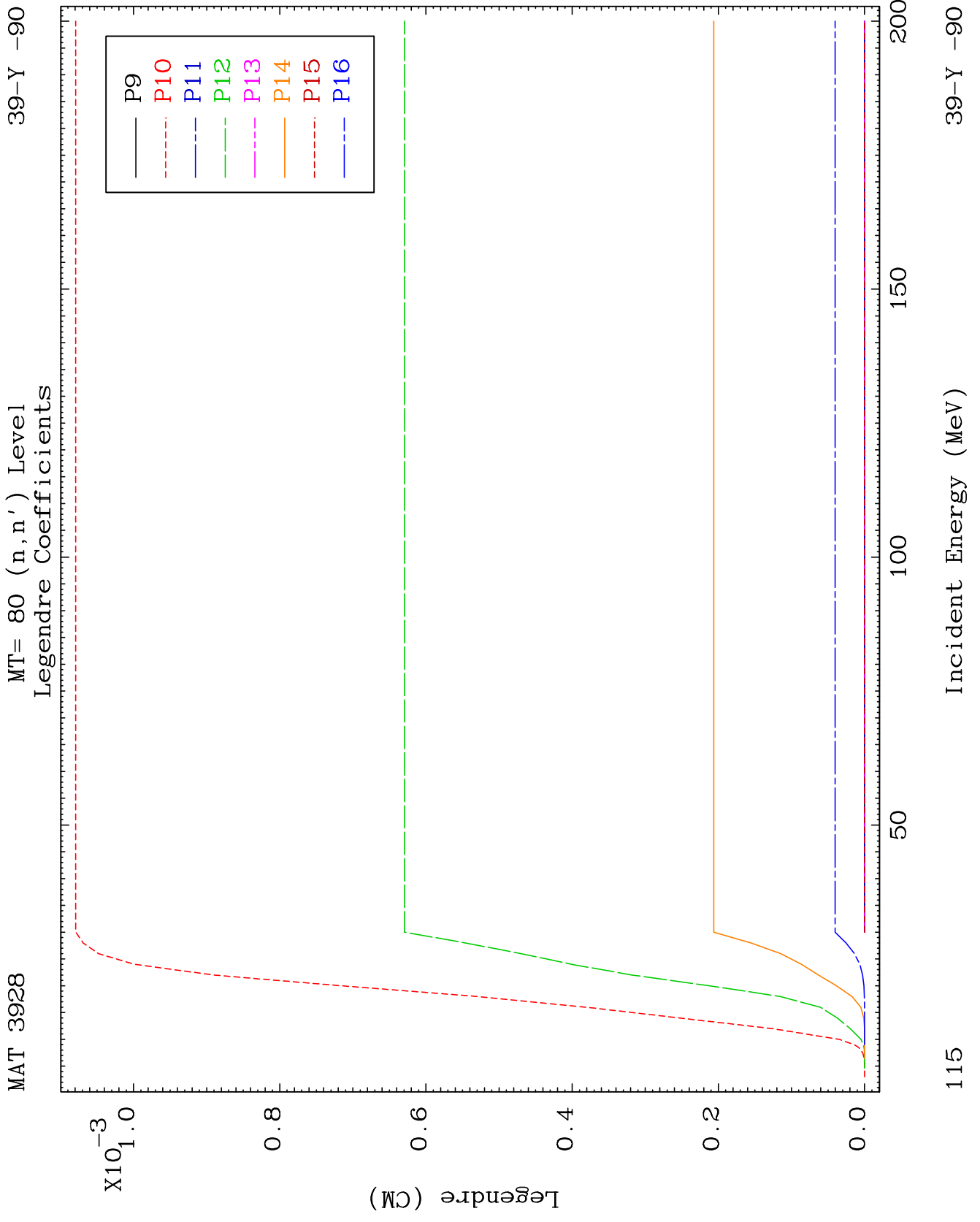
39-Y -90

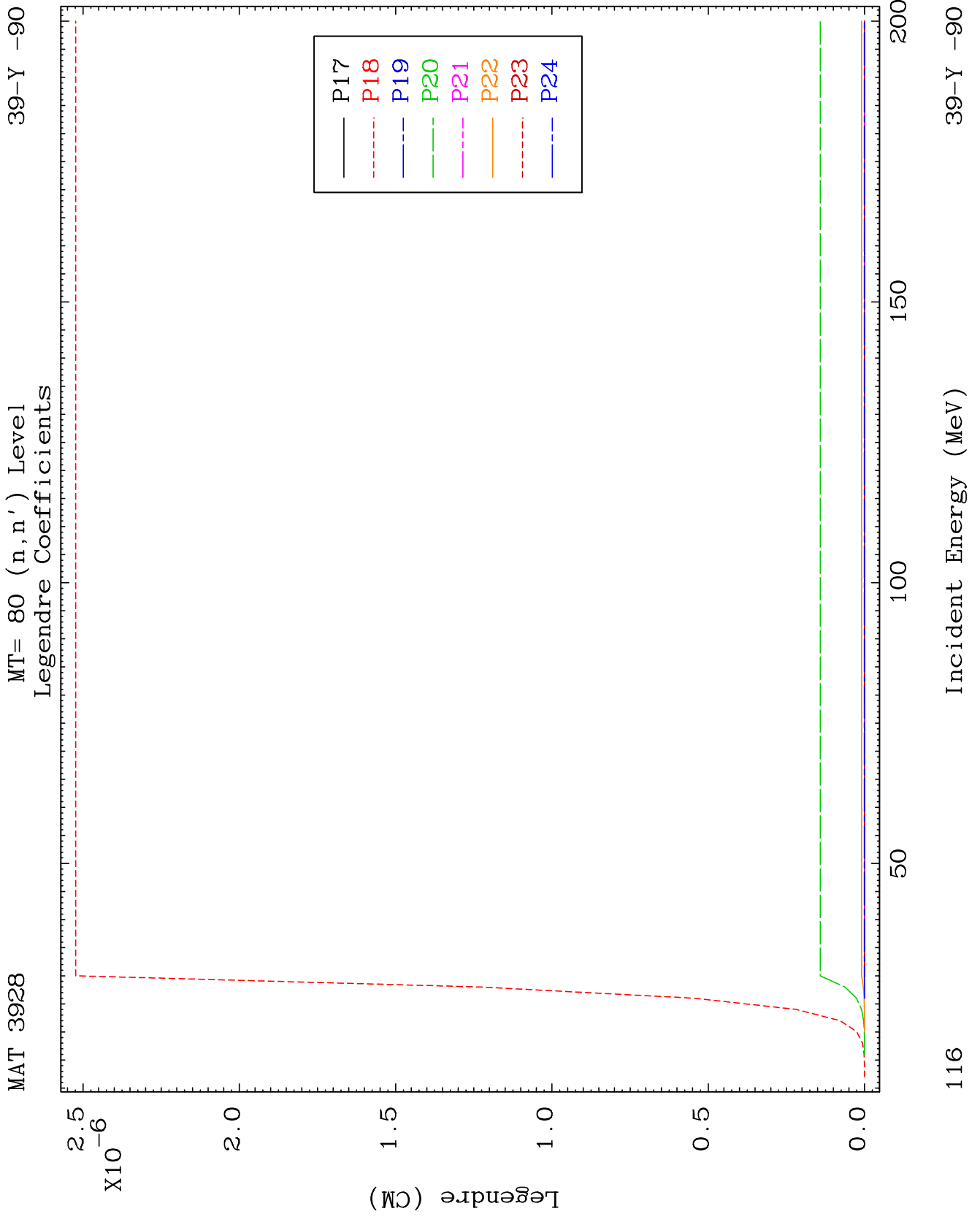


113

Incident Energy (MeV)

39-Y -90

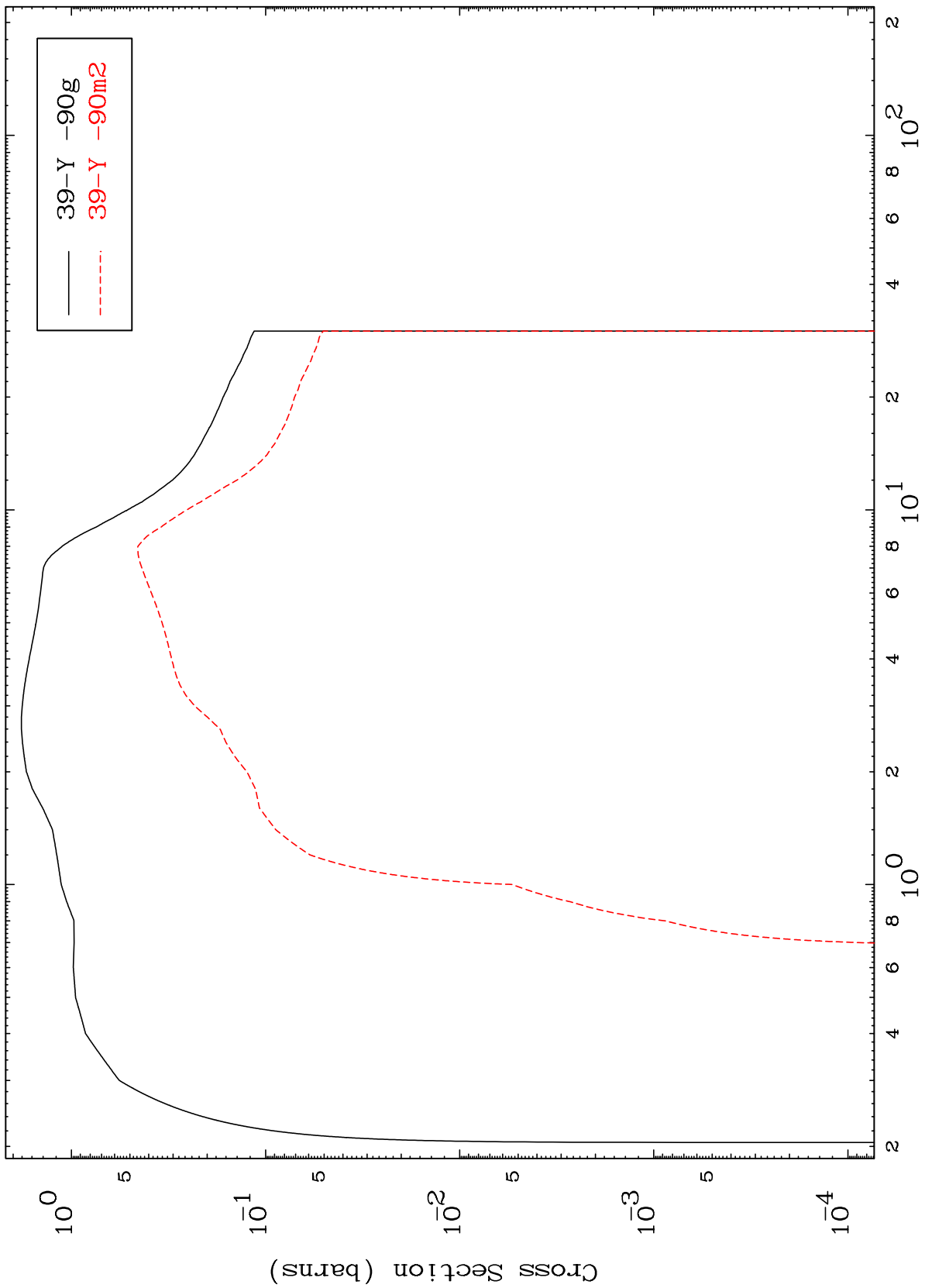




MAT 3928

39-Y -90

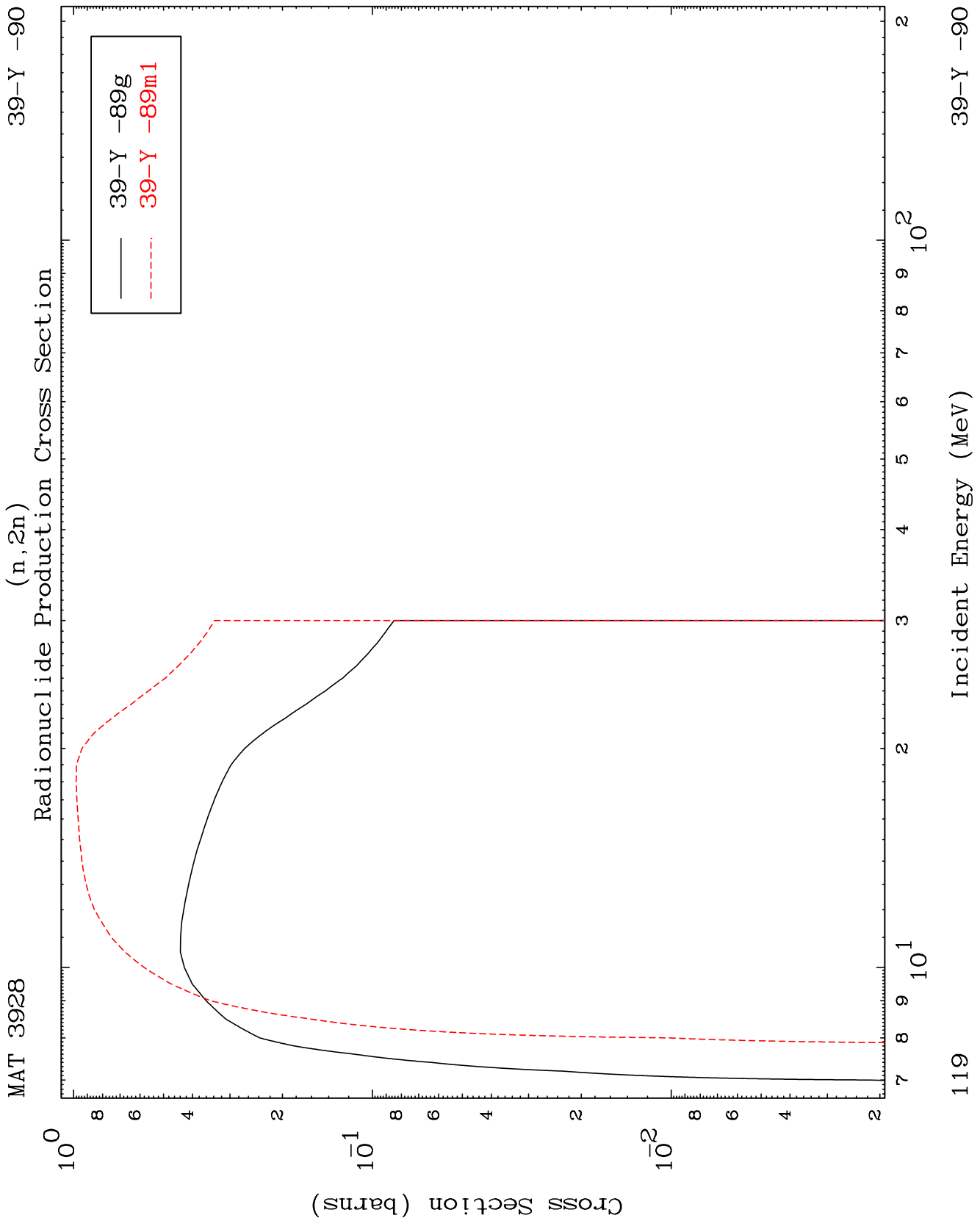
Inelastic
Radionuclide Production Cross Section



117

39-Y -90

Incident Energy (MeV)

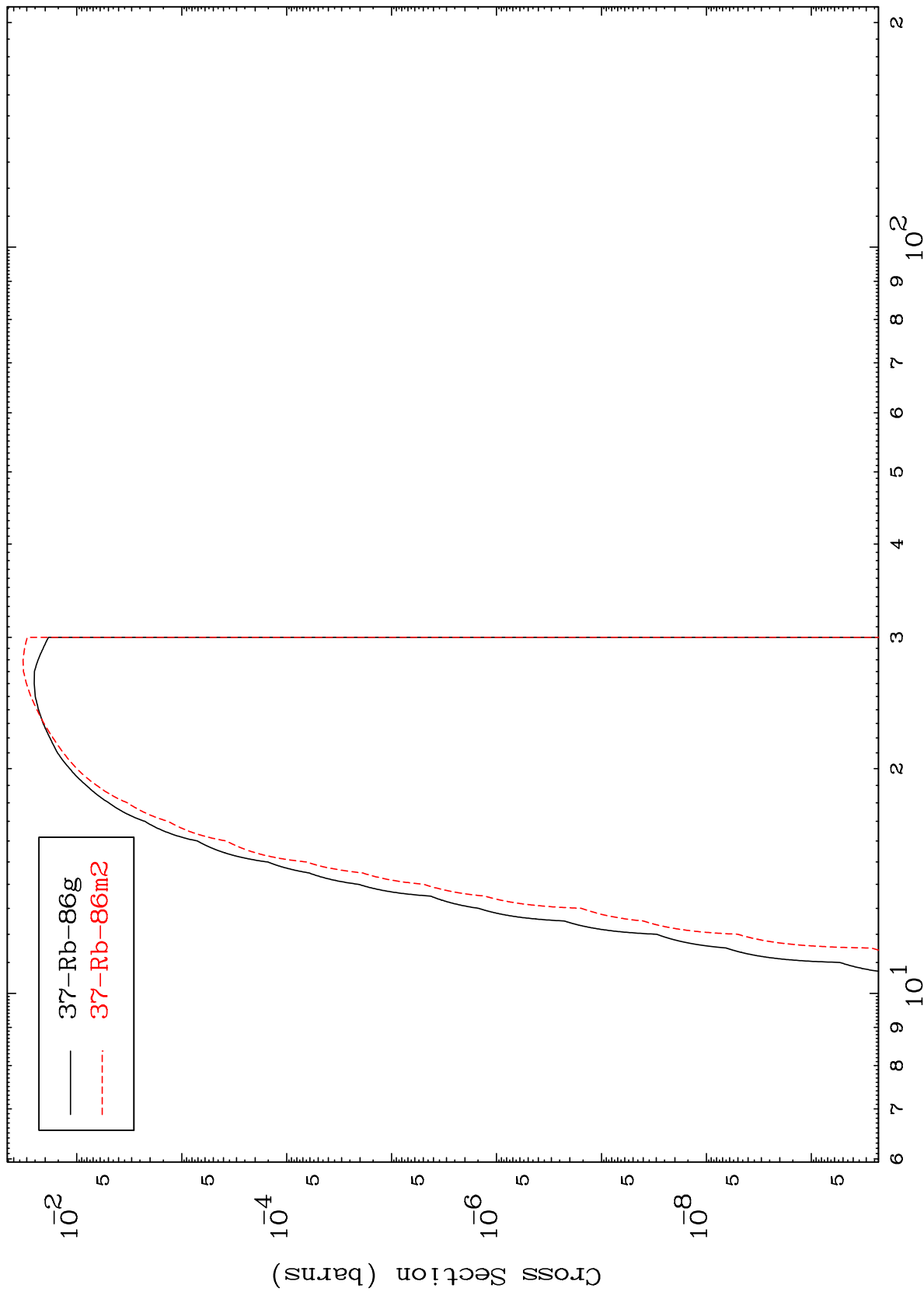


MAT 3928

$(n, n') \alpha$

39-Y -90

Radionuclide Production Cross Section



120

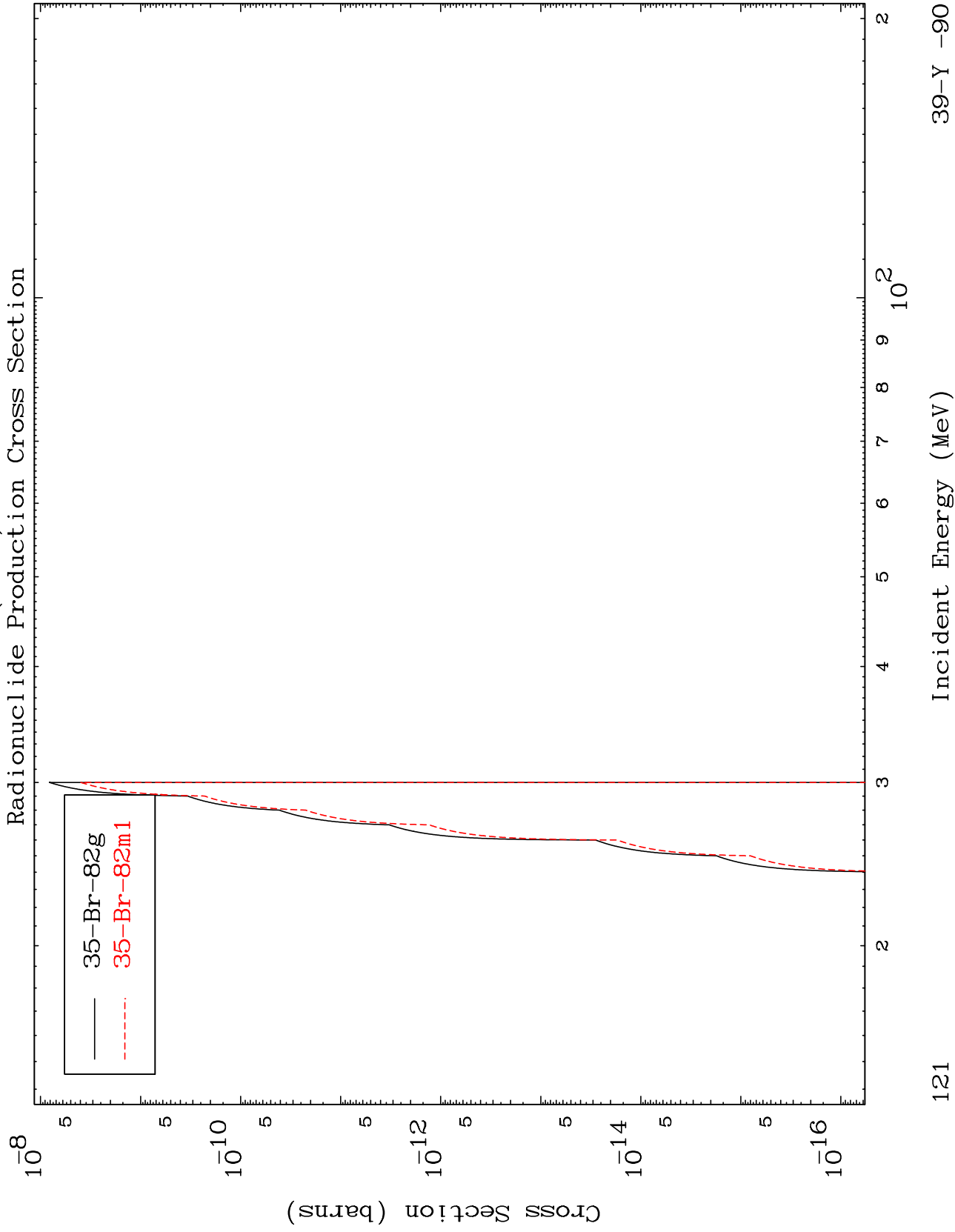
Incident Energy (MeV)

39-Y -90

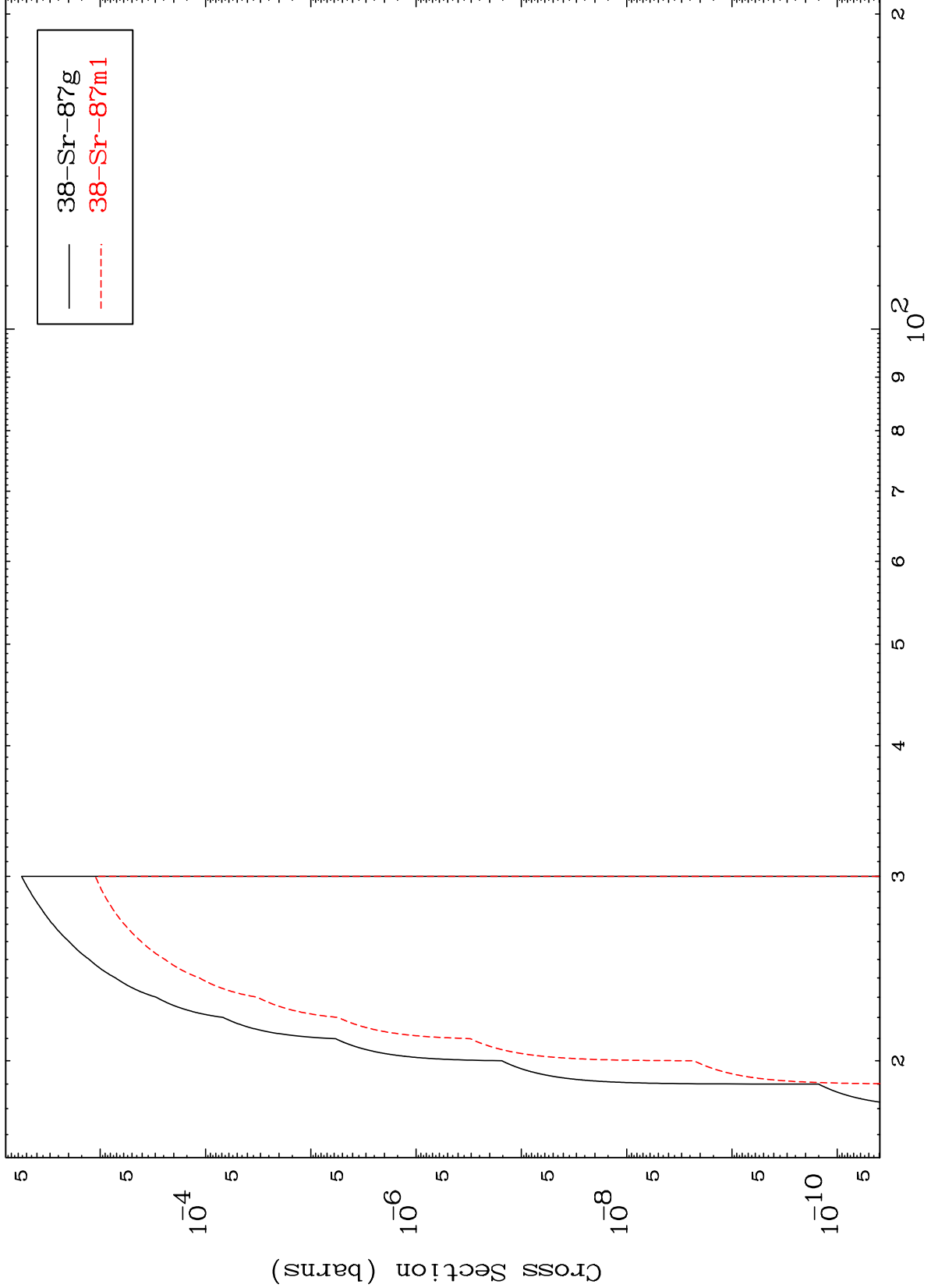
MAT 3928

(n,n') 2 α

39-Y -90



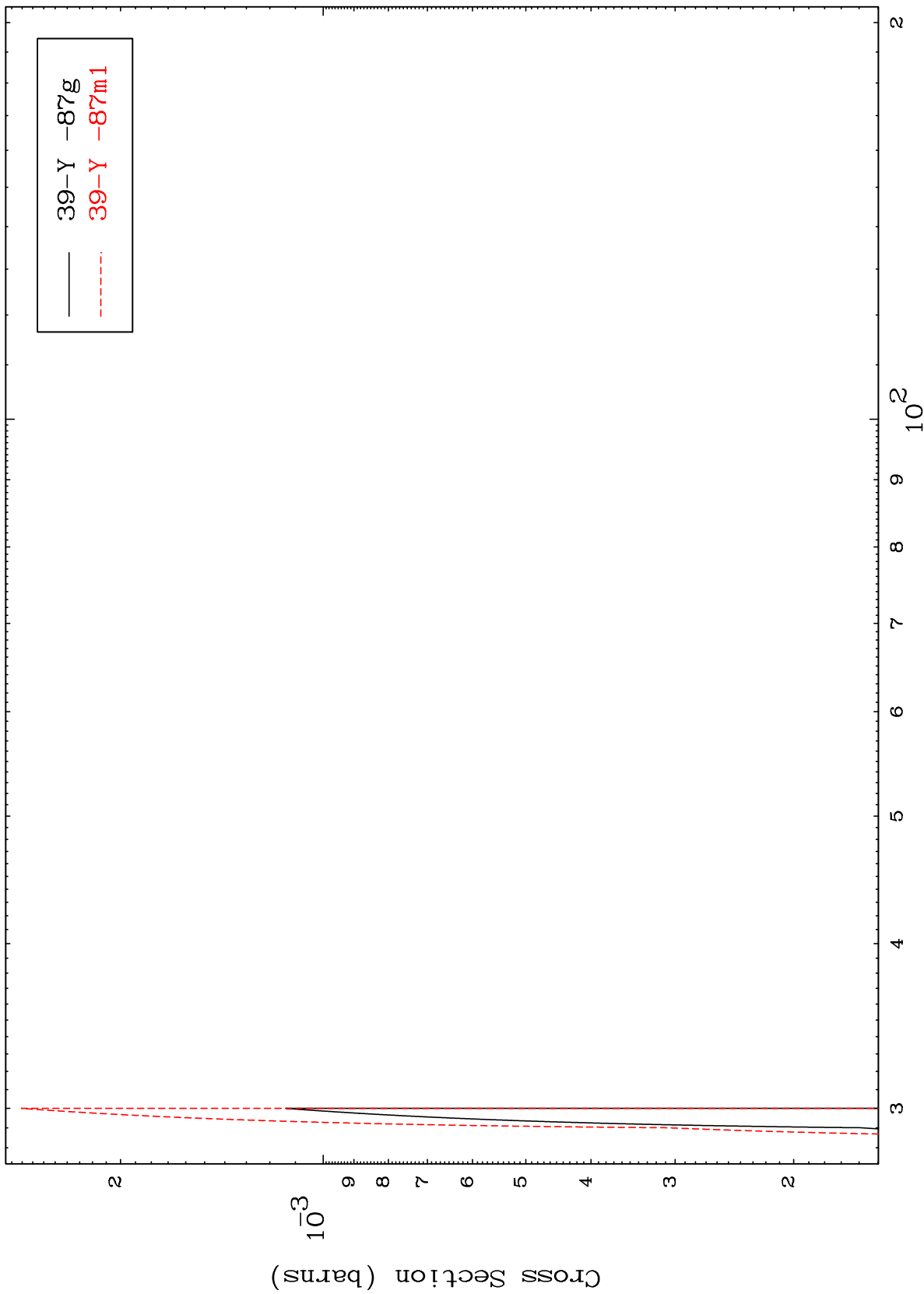
Radionuclide Production Cross Section



MAT 3928

39-Y -90

(n,4n)
Radionuclide Production Cross Section



123

39-Y -90

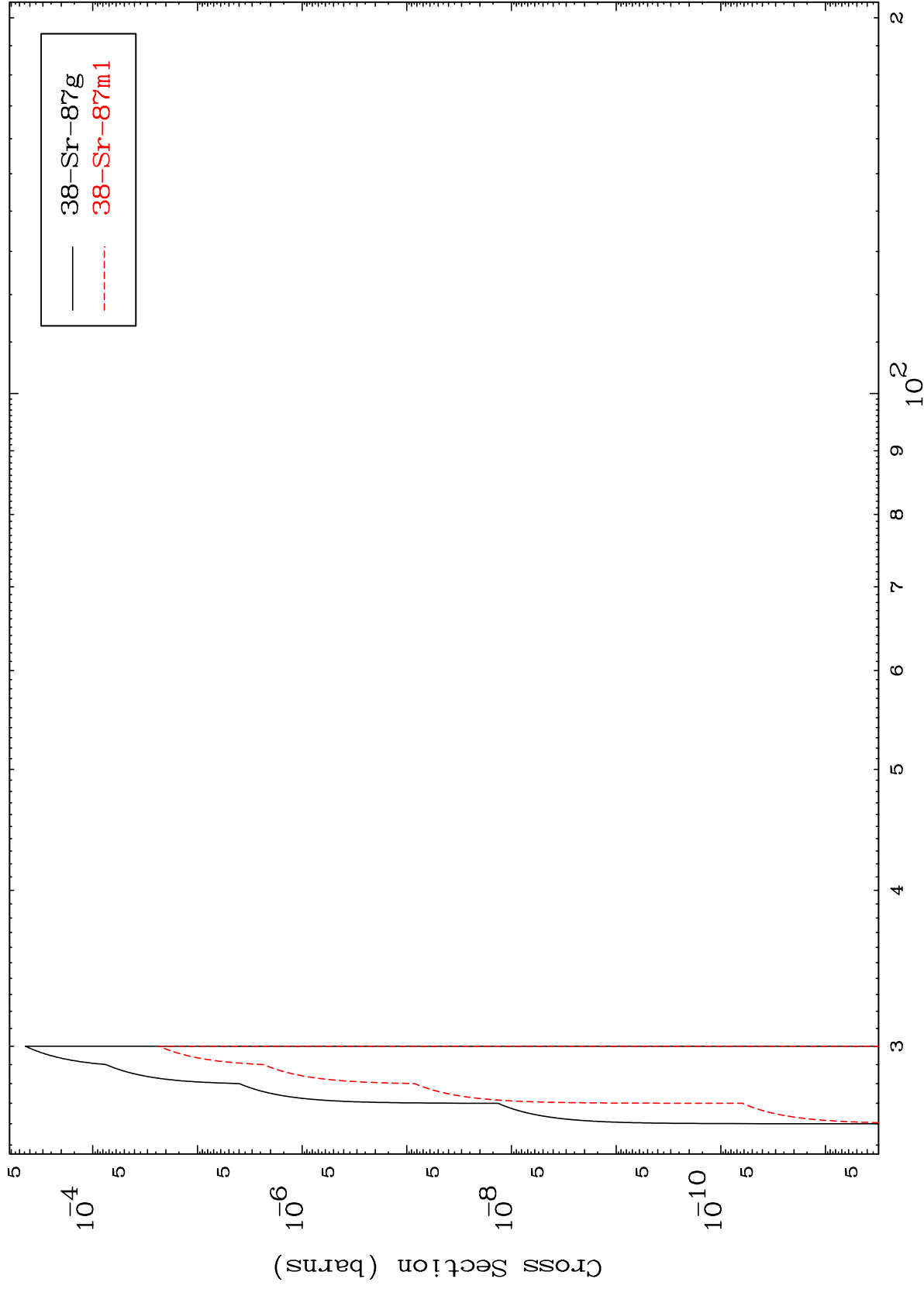
Incident Energy (MeV)

MAT 3928

(n,3n) p

39-Y -90

Radionuclide Production Cross Section



124

Incident Energy (MeV)

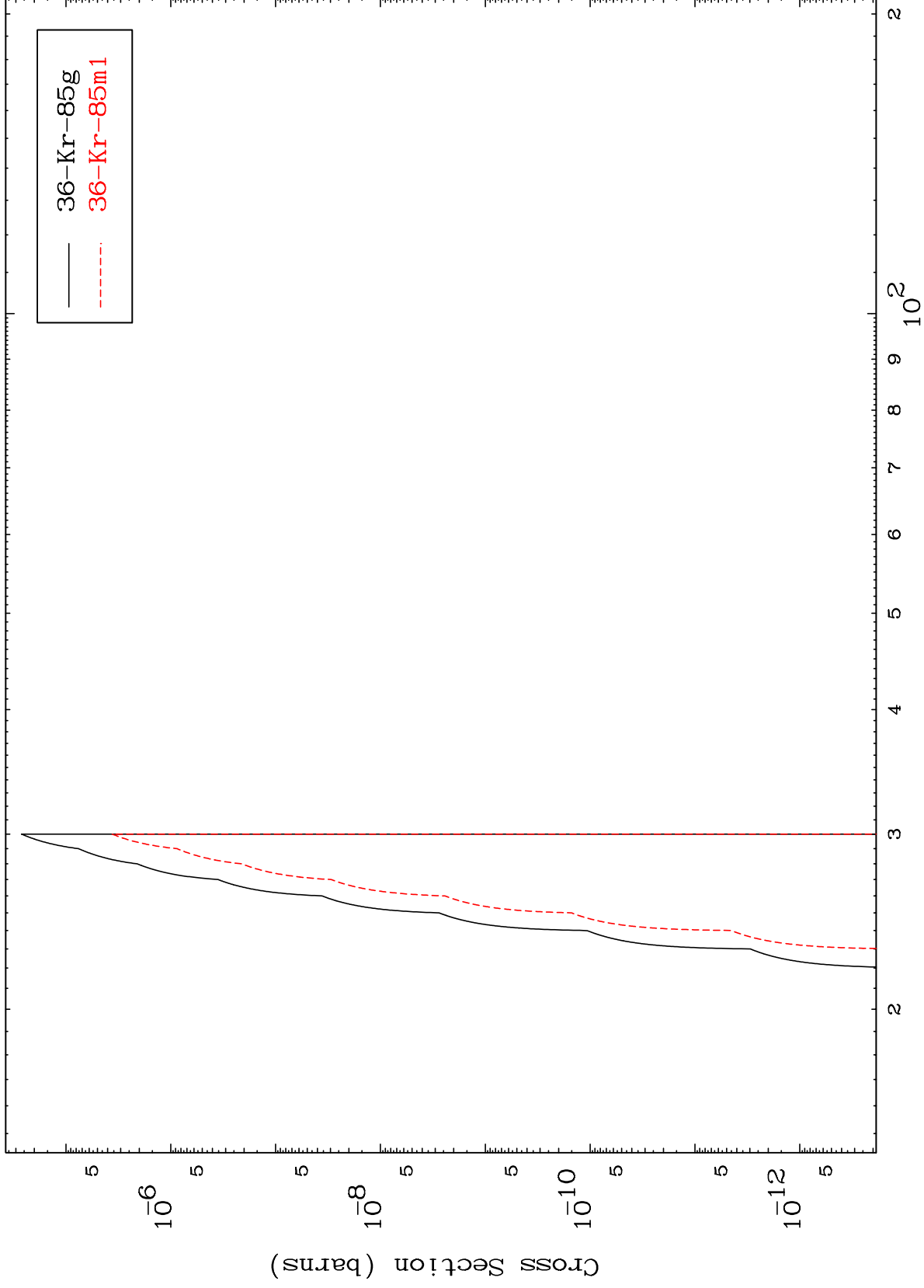
39-Y -90

MAT 3928

(n,n') p α

39-Y -90

Radionuclide Production Cross Section



125

Incident Energy (MeV)

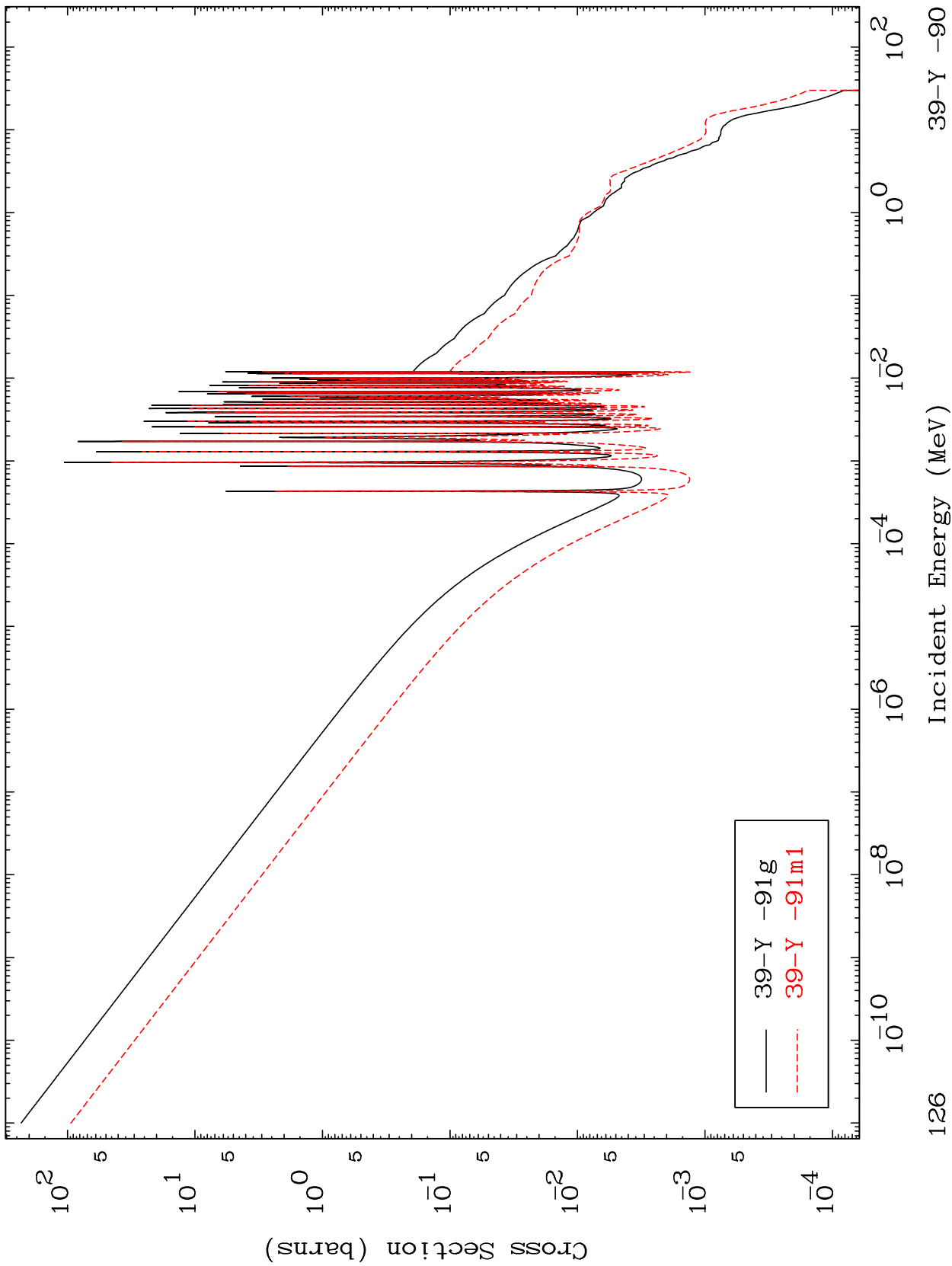
39-Y -90

MAT 3928

39-Y -90

Radionuclide Production Cross Section

(n, γ)



126

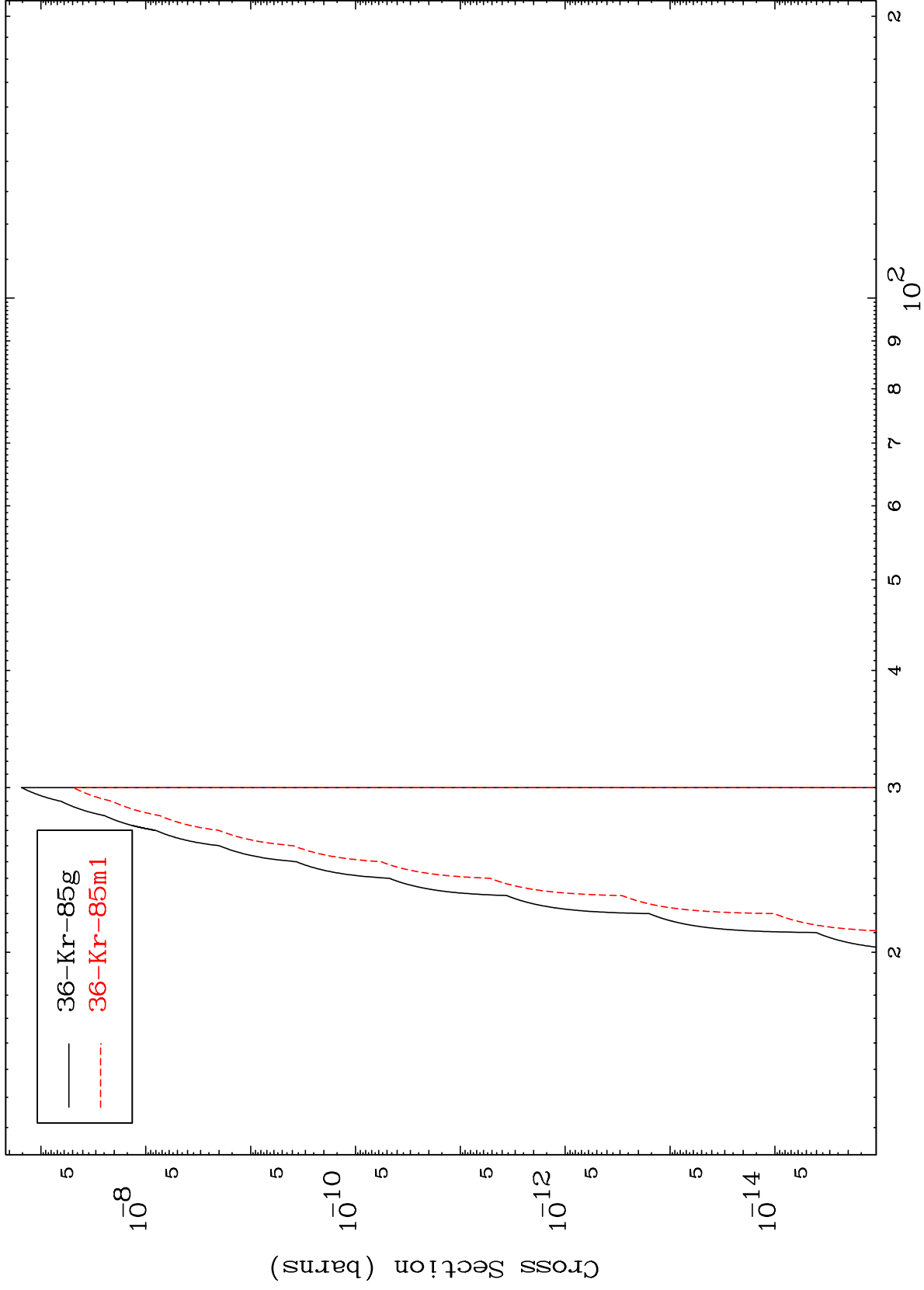
39-Y -90

MAT 3928

(n,d) α

39-Y -90

Radionuclide Production Cross Section



127

Incident Energy (MeV)

39-Y -90