

Program EVALPLOT
(Version 2018-1)

by

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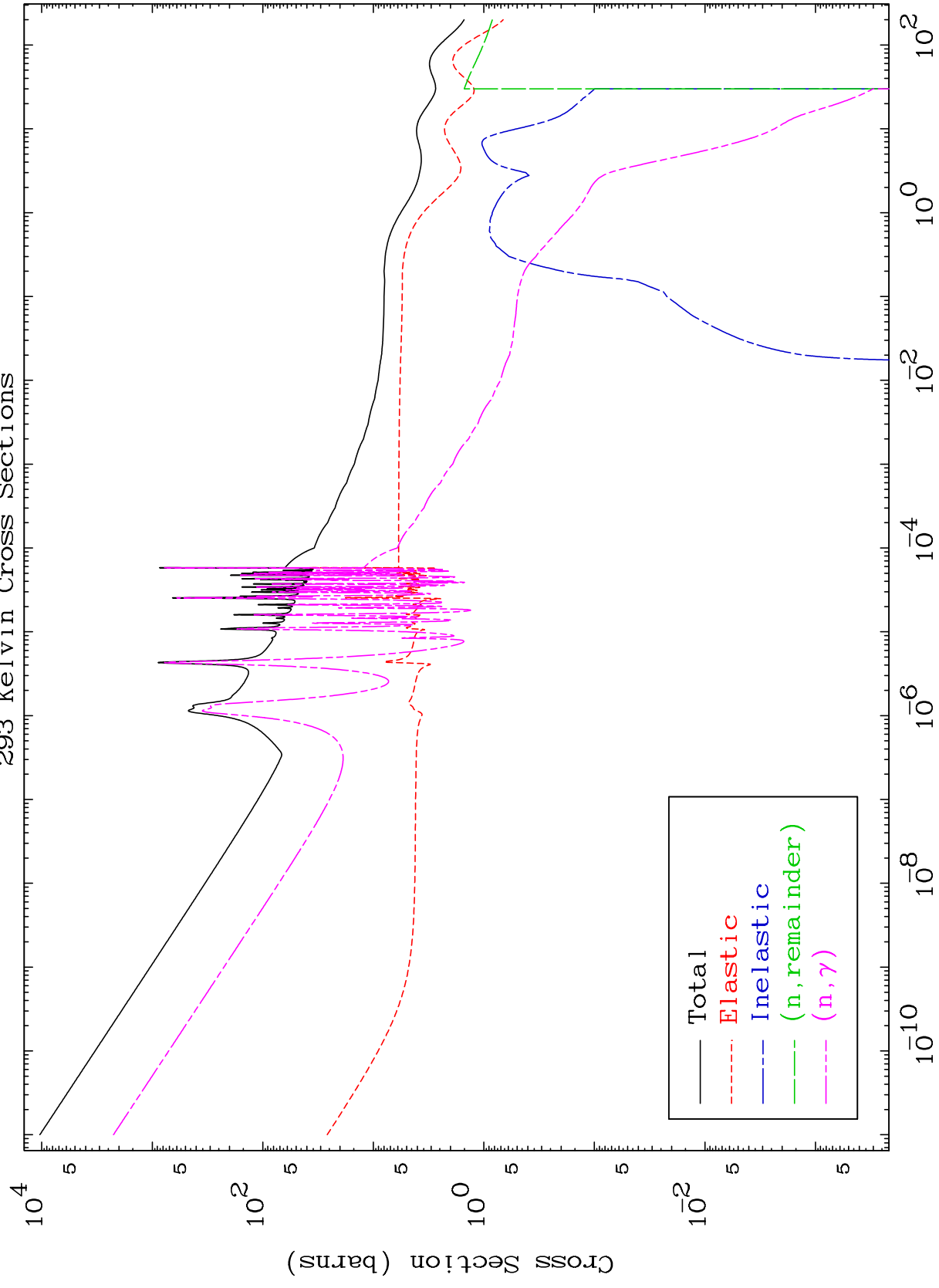
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Web:redcullen1.net/HOMEPAGE.NEW

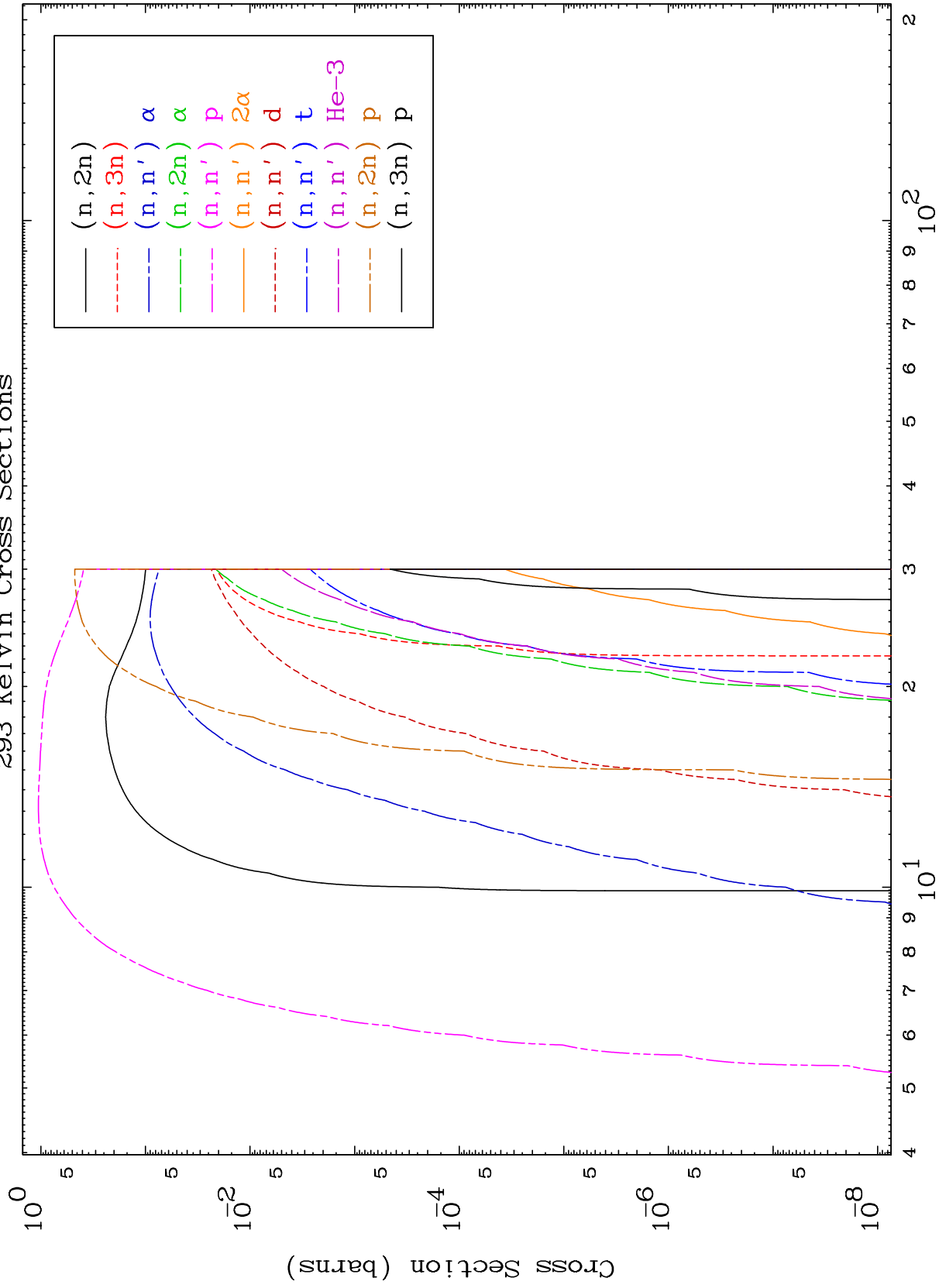
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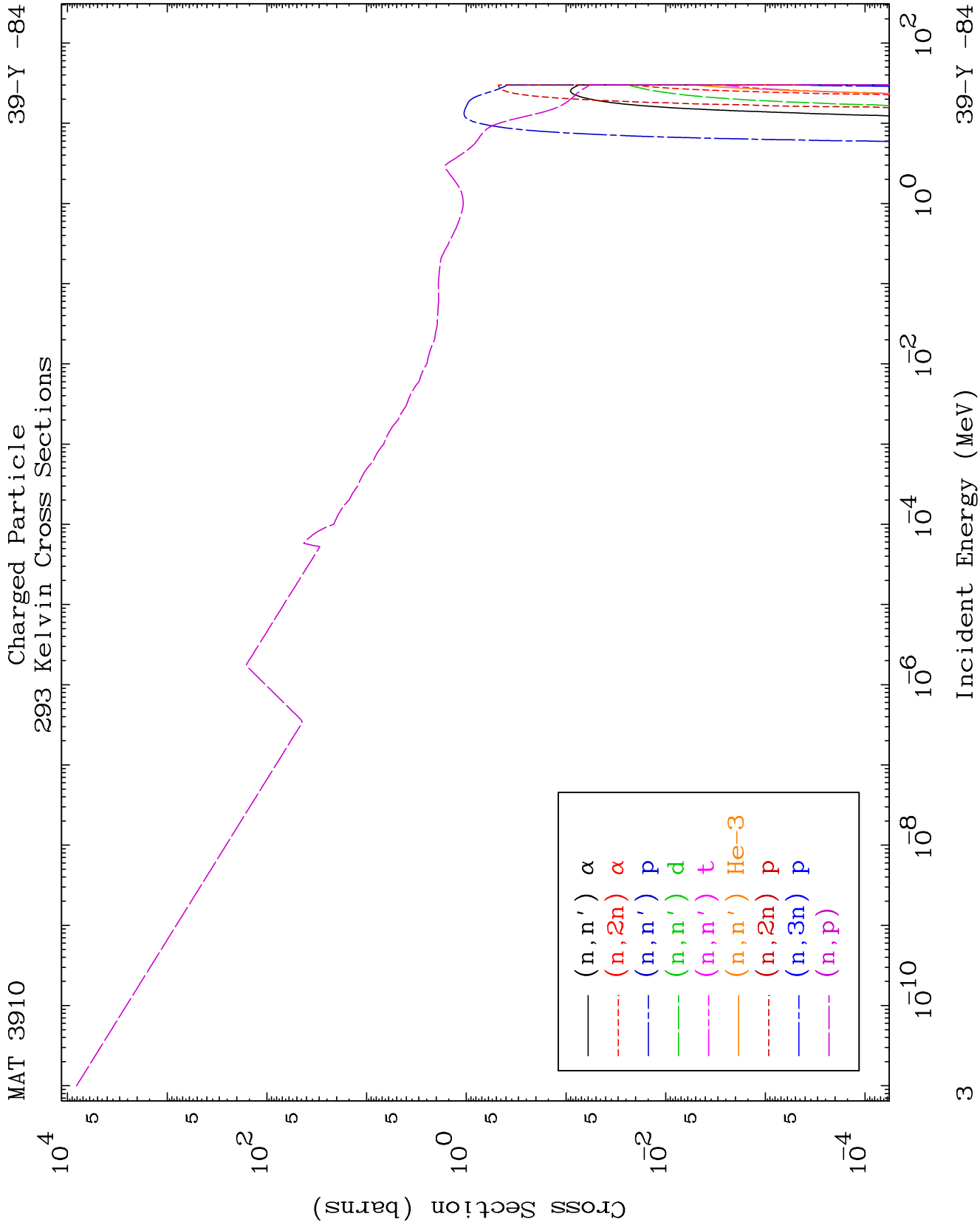
MAT 3910

Major
293 Kelvin Cross Sections

39-Y -84



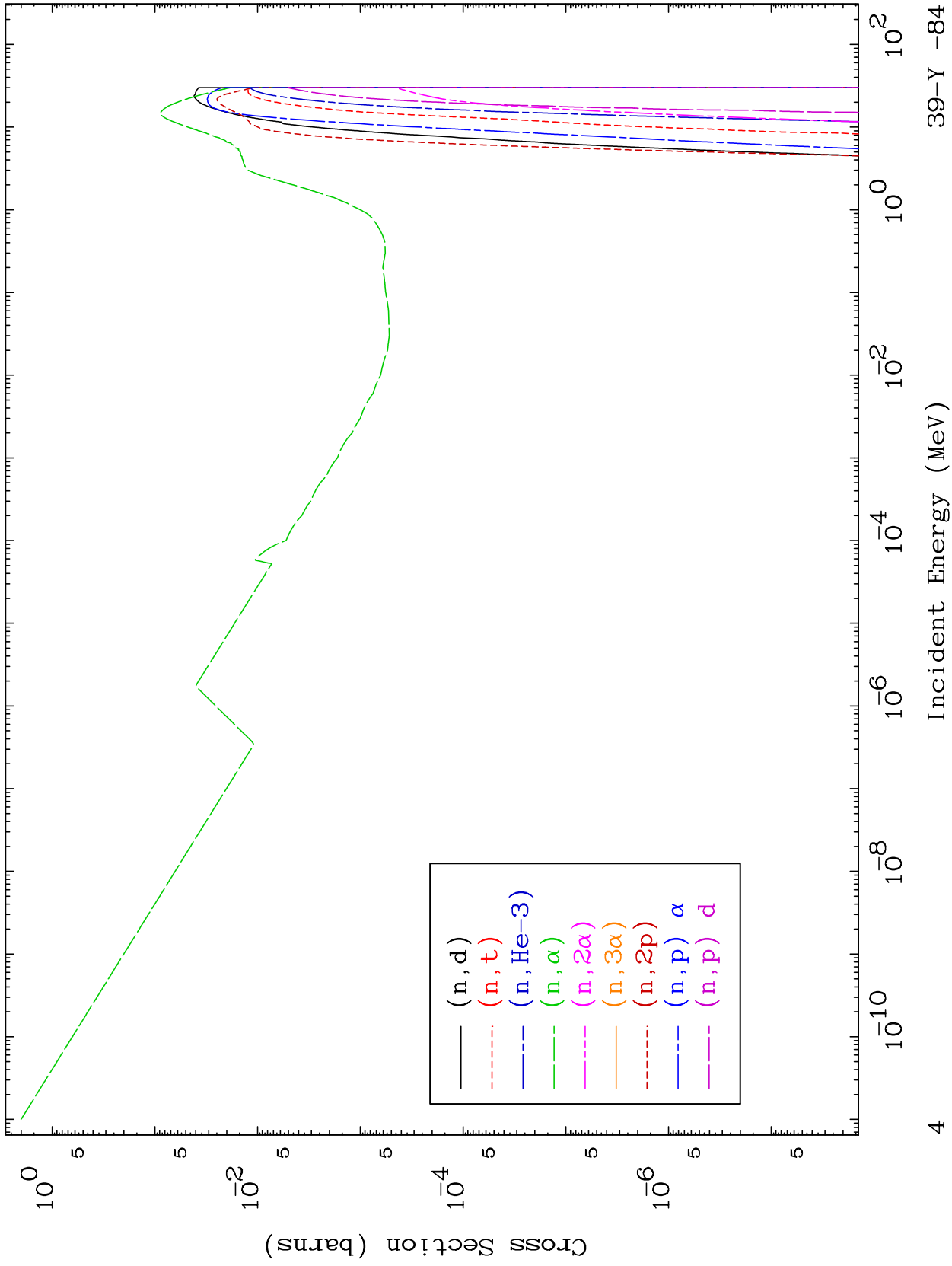




MAT 3910

Charged Particle
293 Kelvin Cross Sections

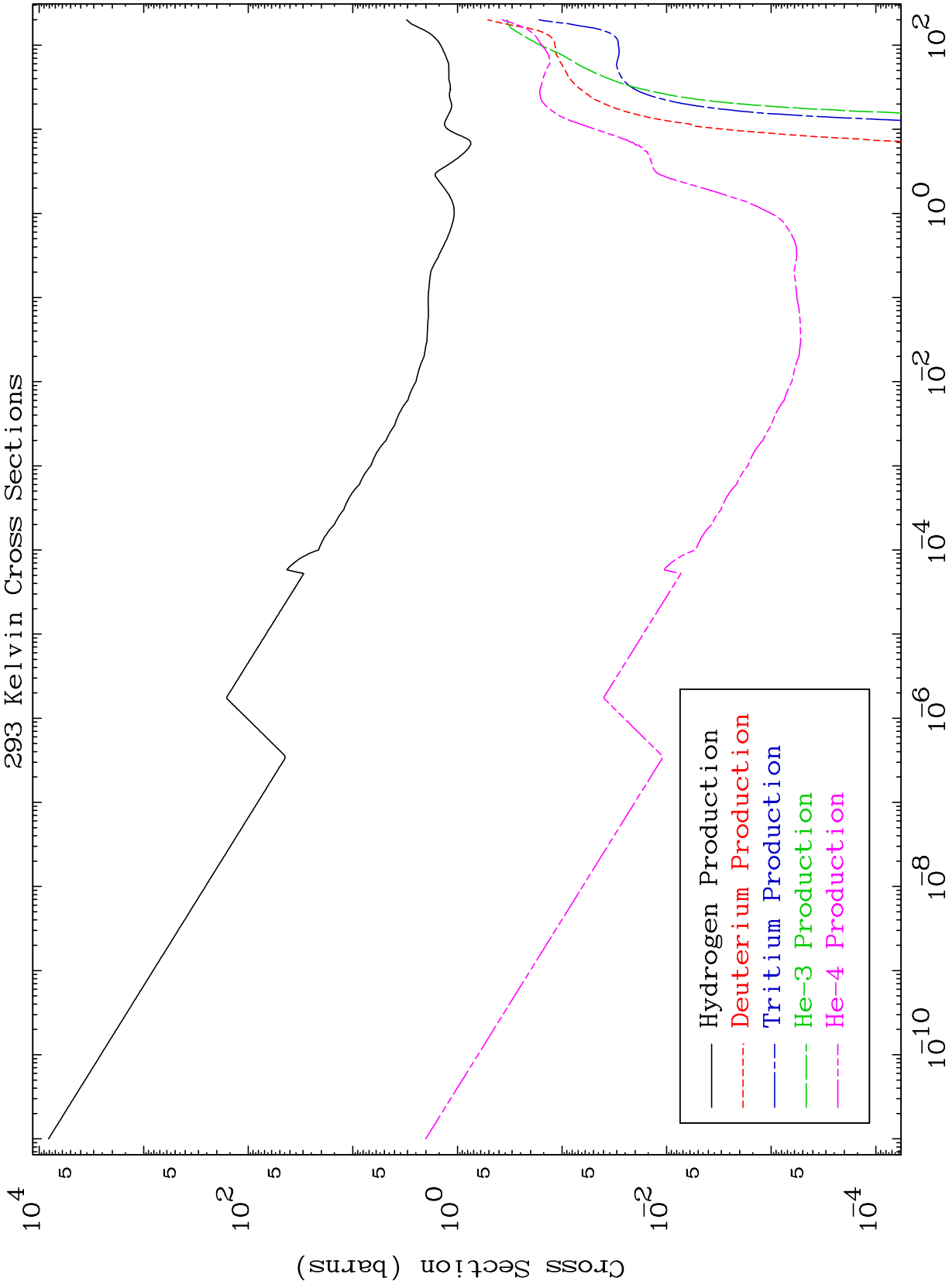
39-Y -84



MAT 3910

Particle Production
293 Kelvin Cross Sections

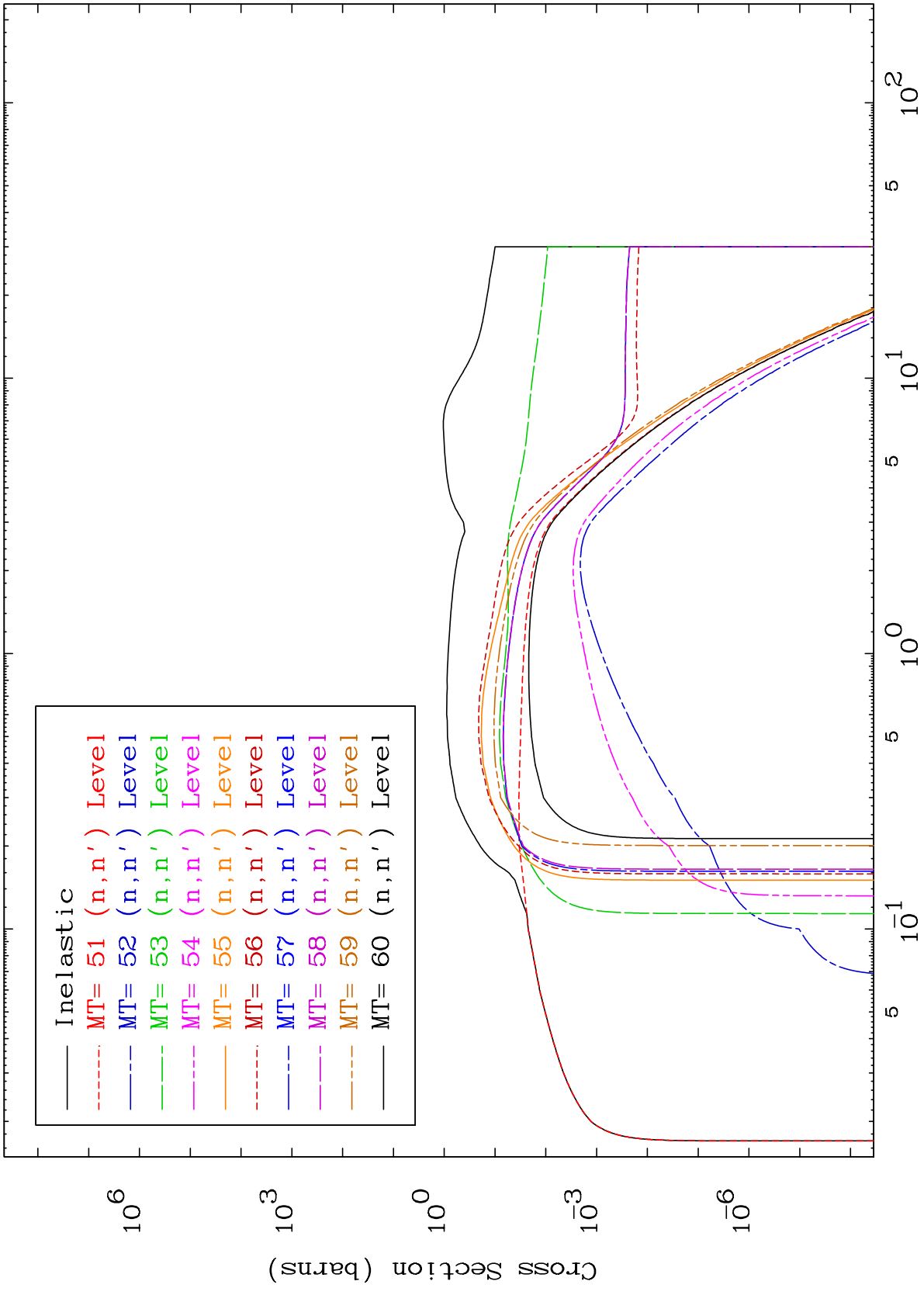
39-Y -84



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Incident Energy (MeV)

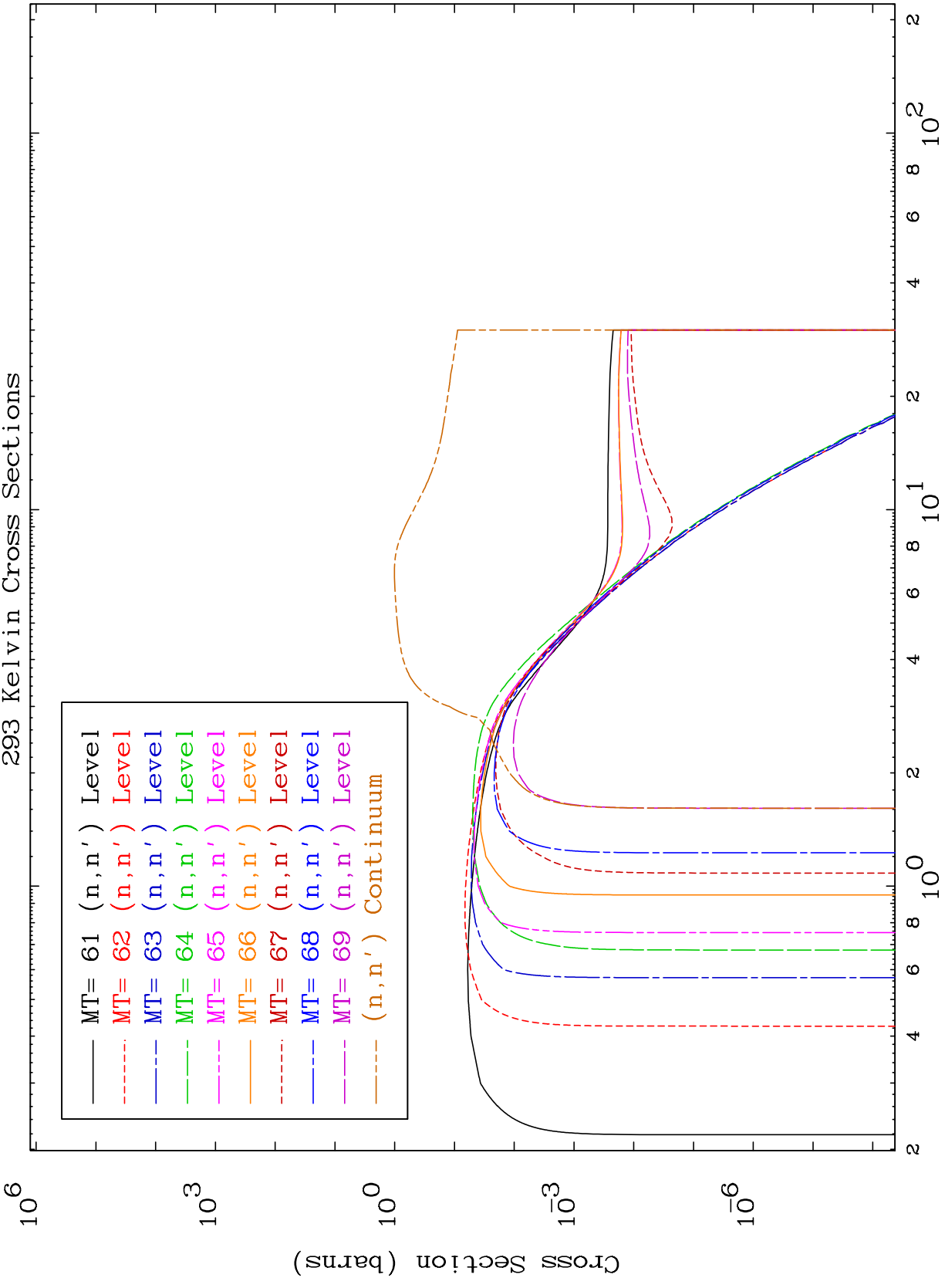
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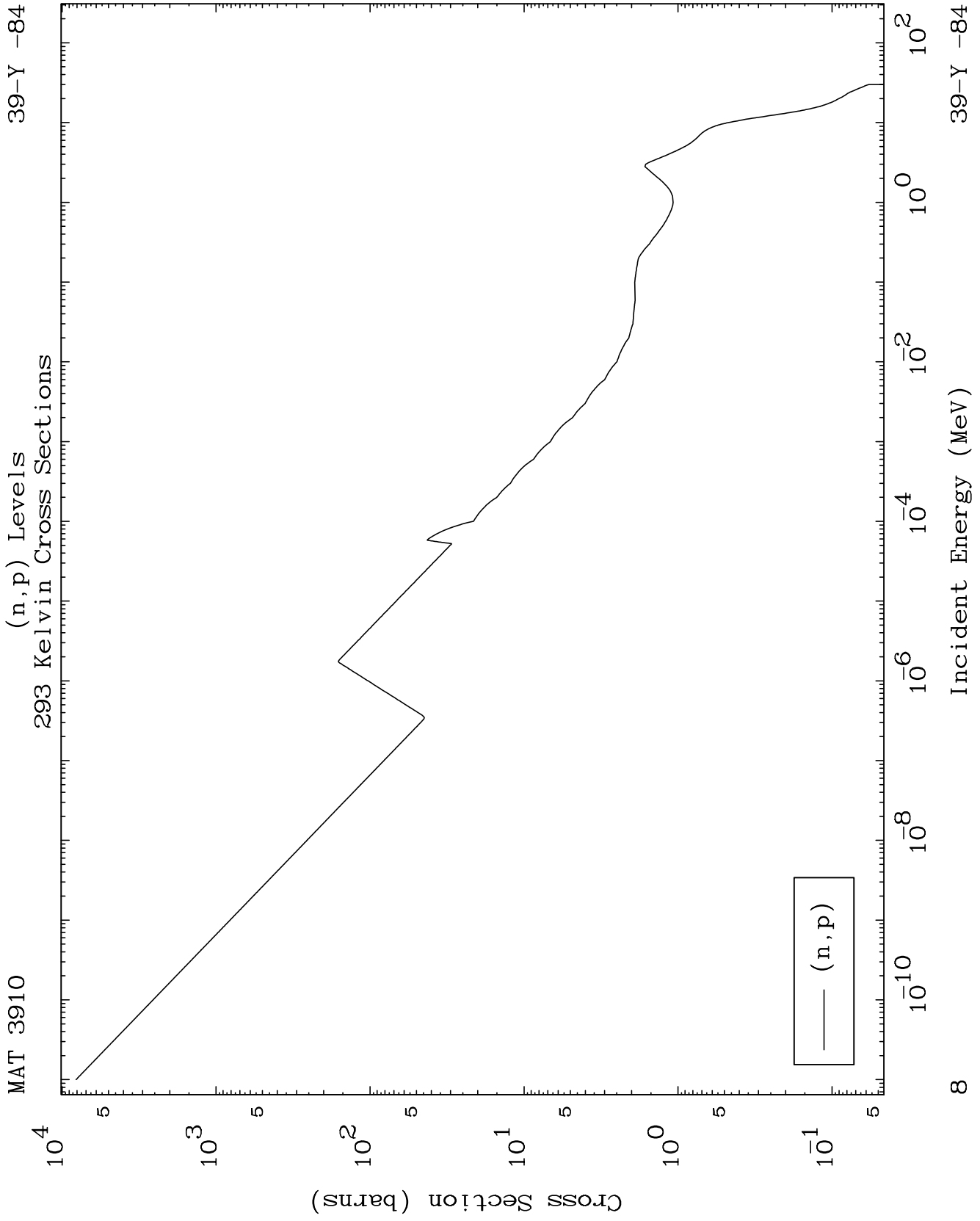


MAT 3910

293 Kelvin Cross Sections

39-Y -84

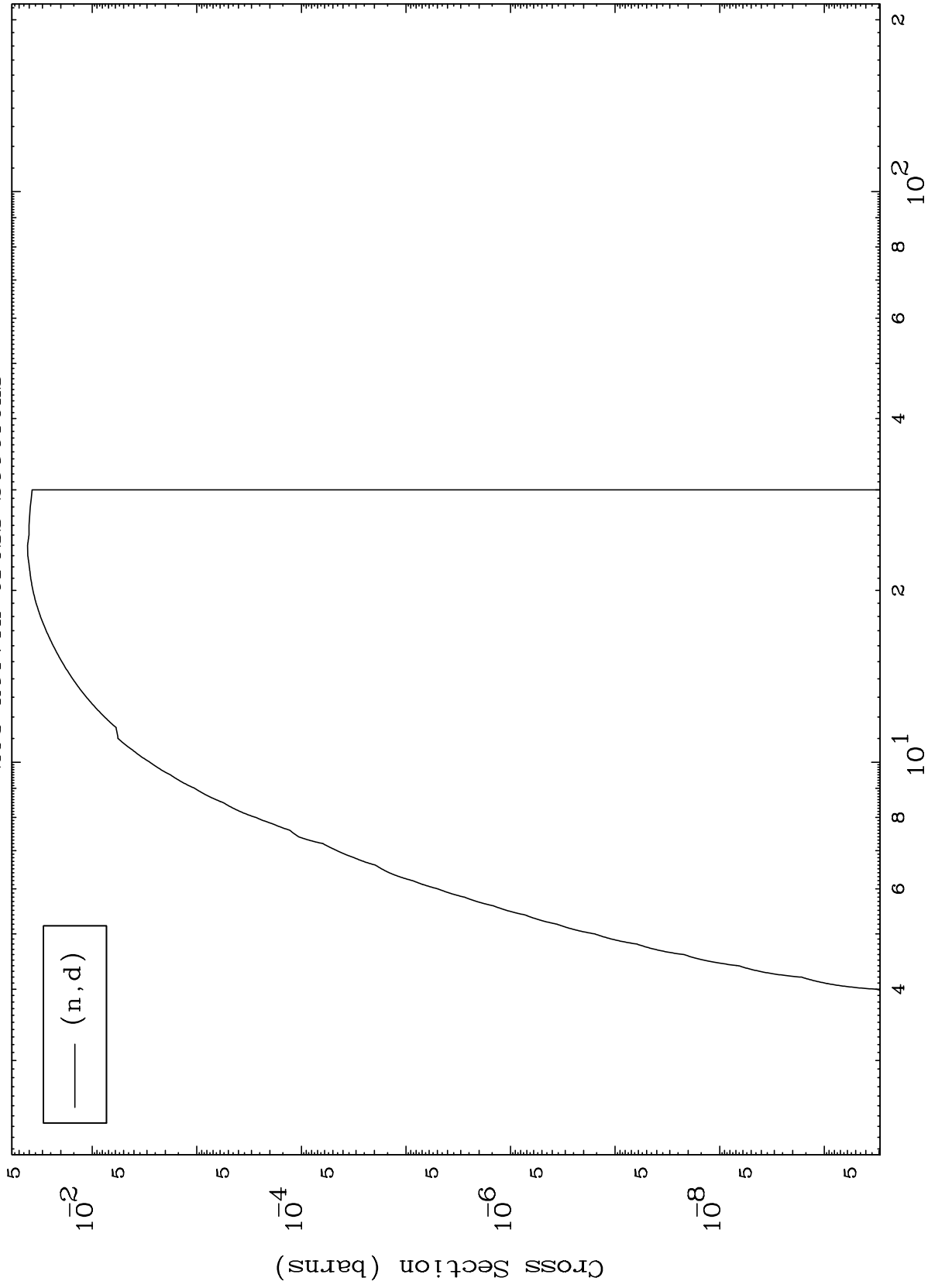




MAT 3910

(n,d) Levels
293 Kelvin Cross Sections

39-Y -84



9

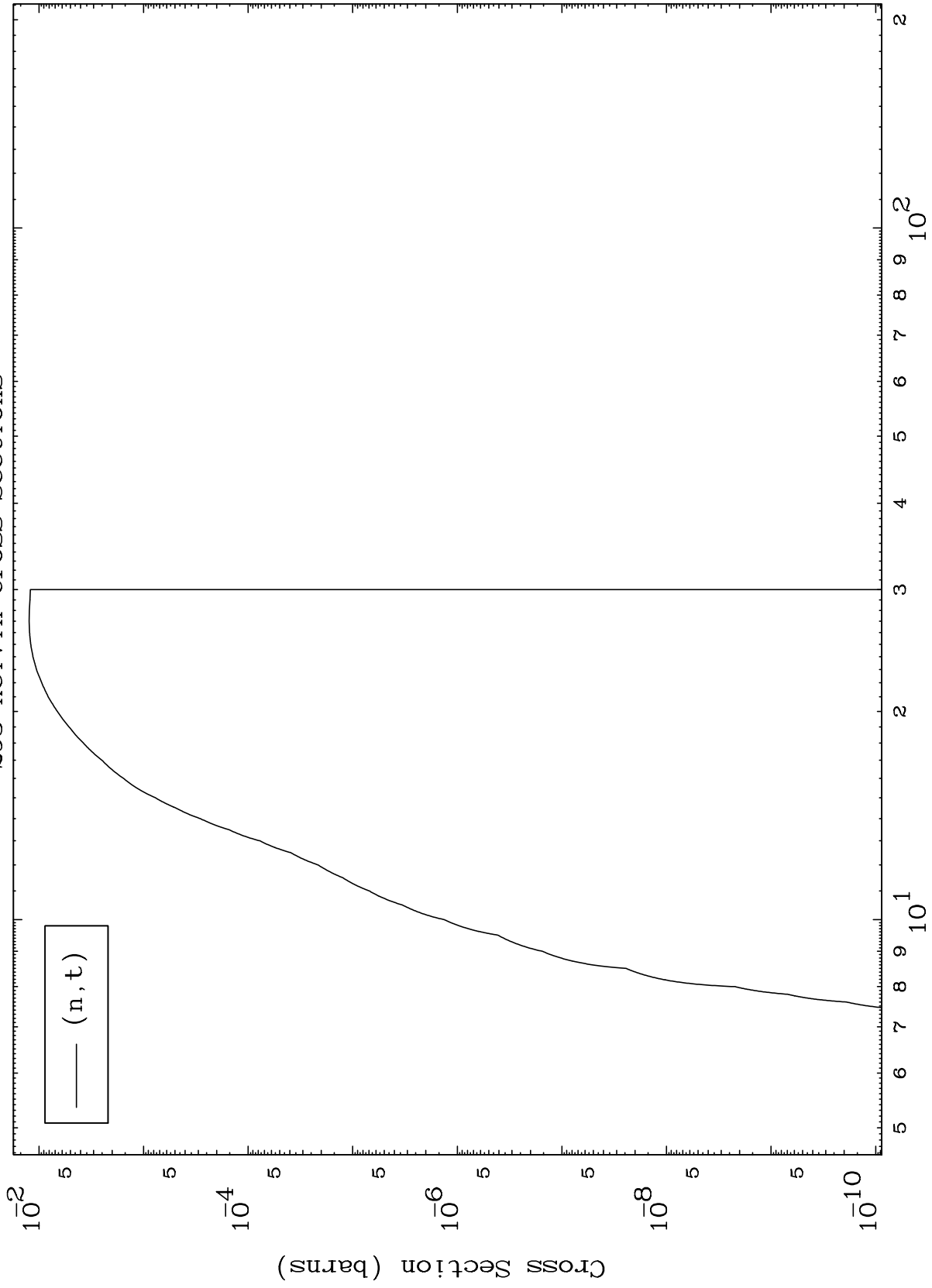
Incident Energy (MeV)

39-Y -84

MAT 3910

(n,t) Levels
293 Kelvin Cross Sections

39-Y -84



10

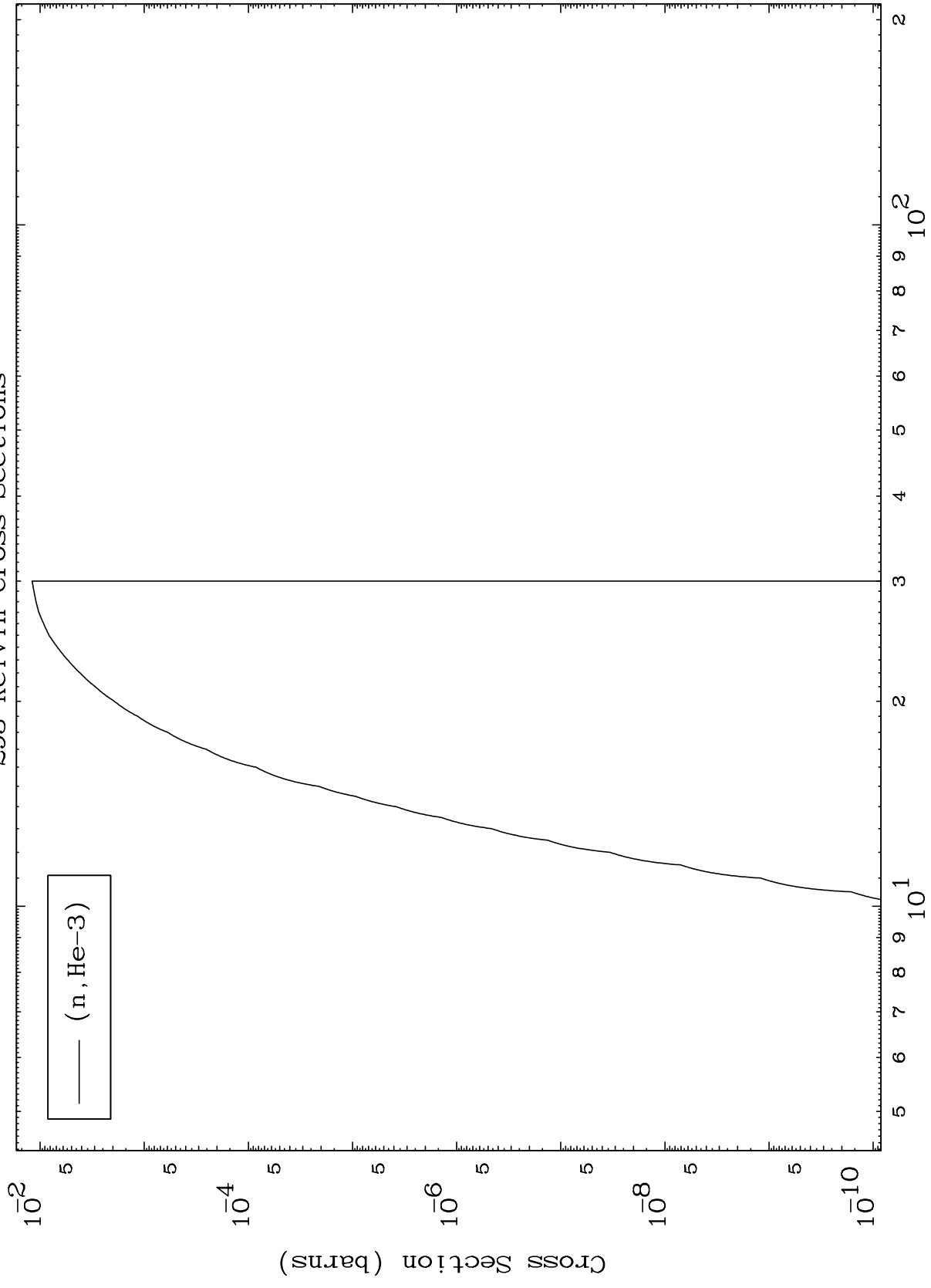
Incident Energy (MeV)

39-Y -84

MAT 3910

39-Y -84

(n,He3) Levels
293 Kelvin Cross Sections



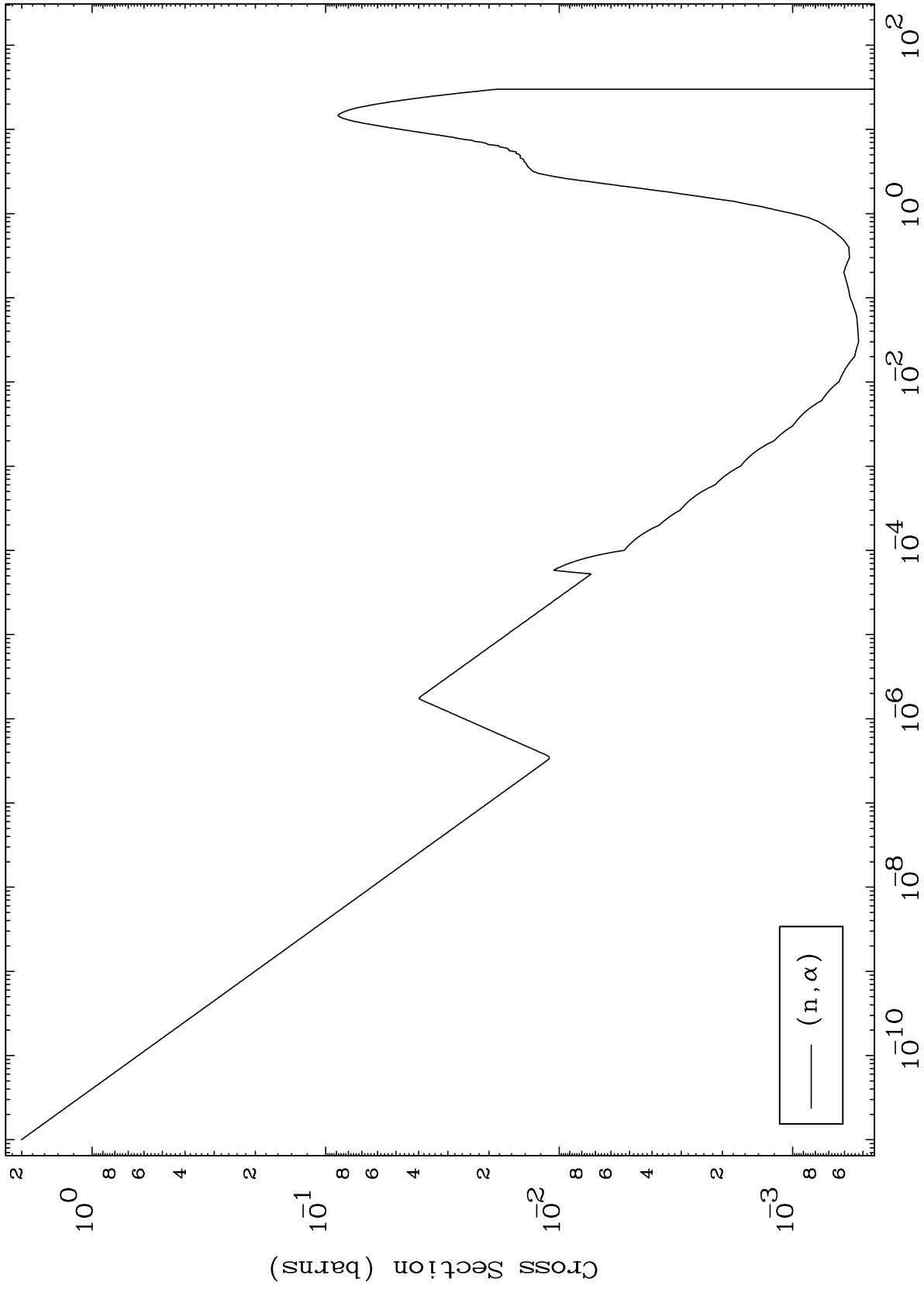
11

39-Y -84

MAT 3910

(n, α) Levels
293 Kelvin Cross Sections

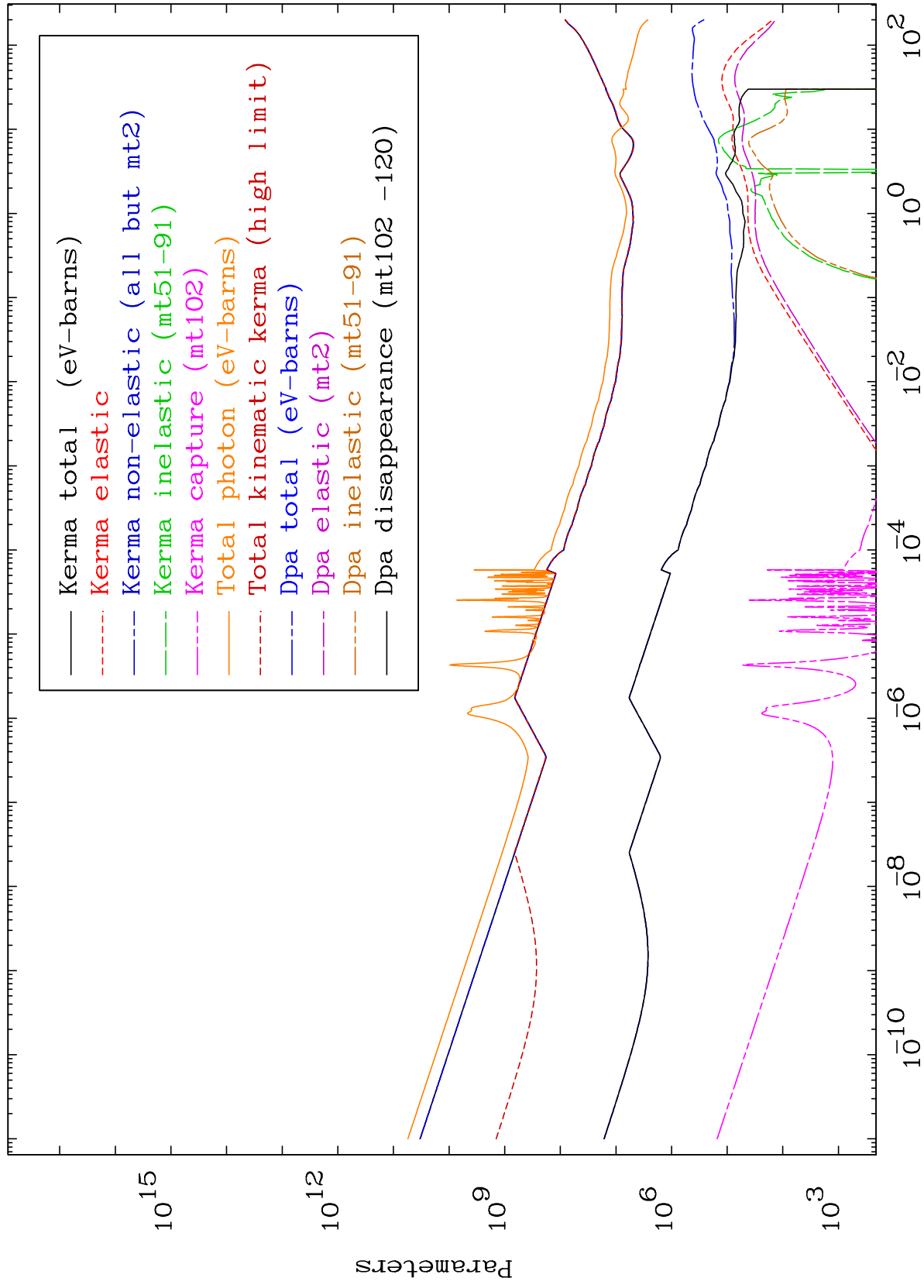
39-Y -84



12

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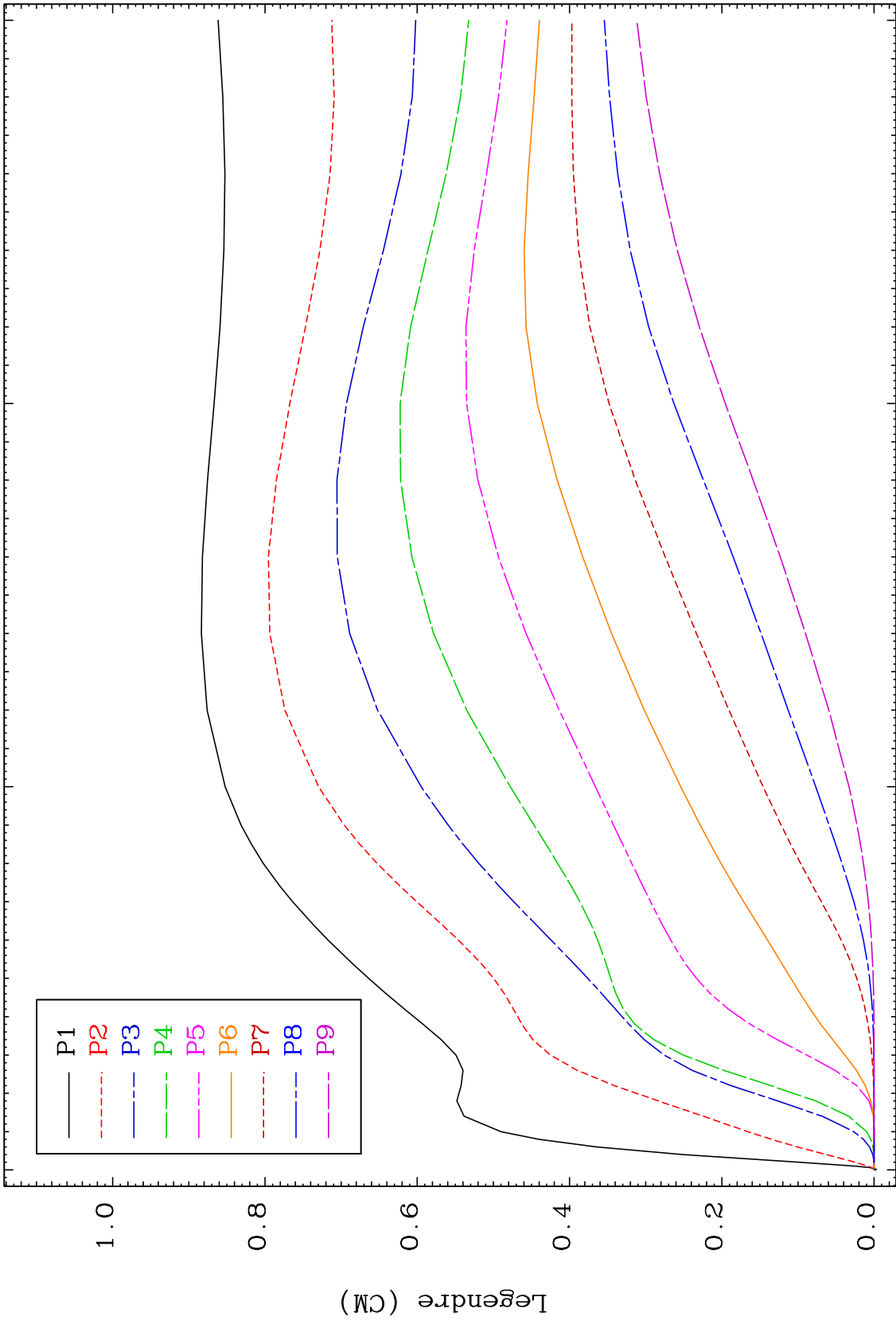
39-Y -84



MAT 3910

Elastic Legendre Coefficients

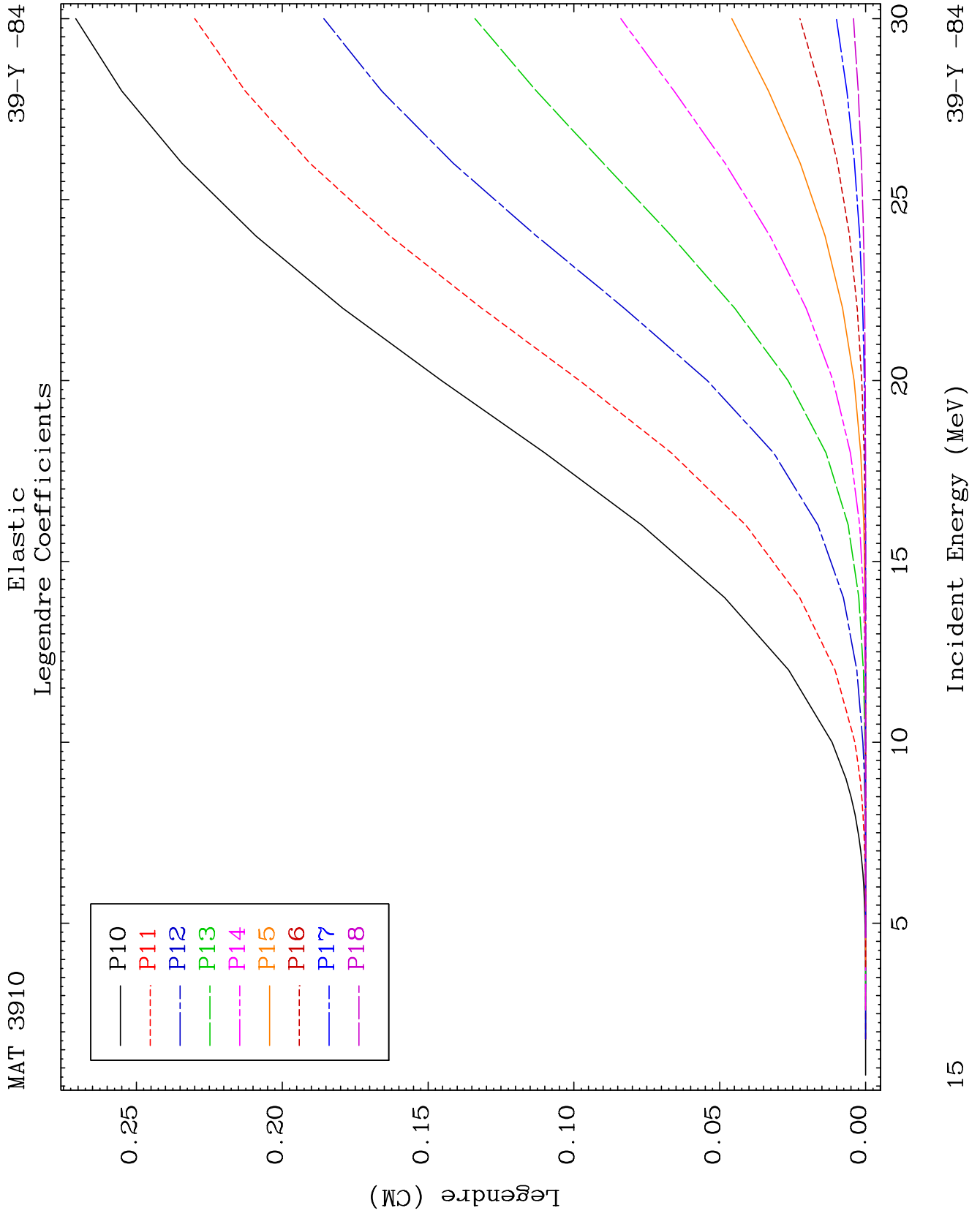
39-Y -84



14

Incident Energy (MeV)

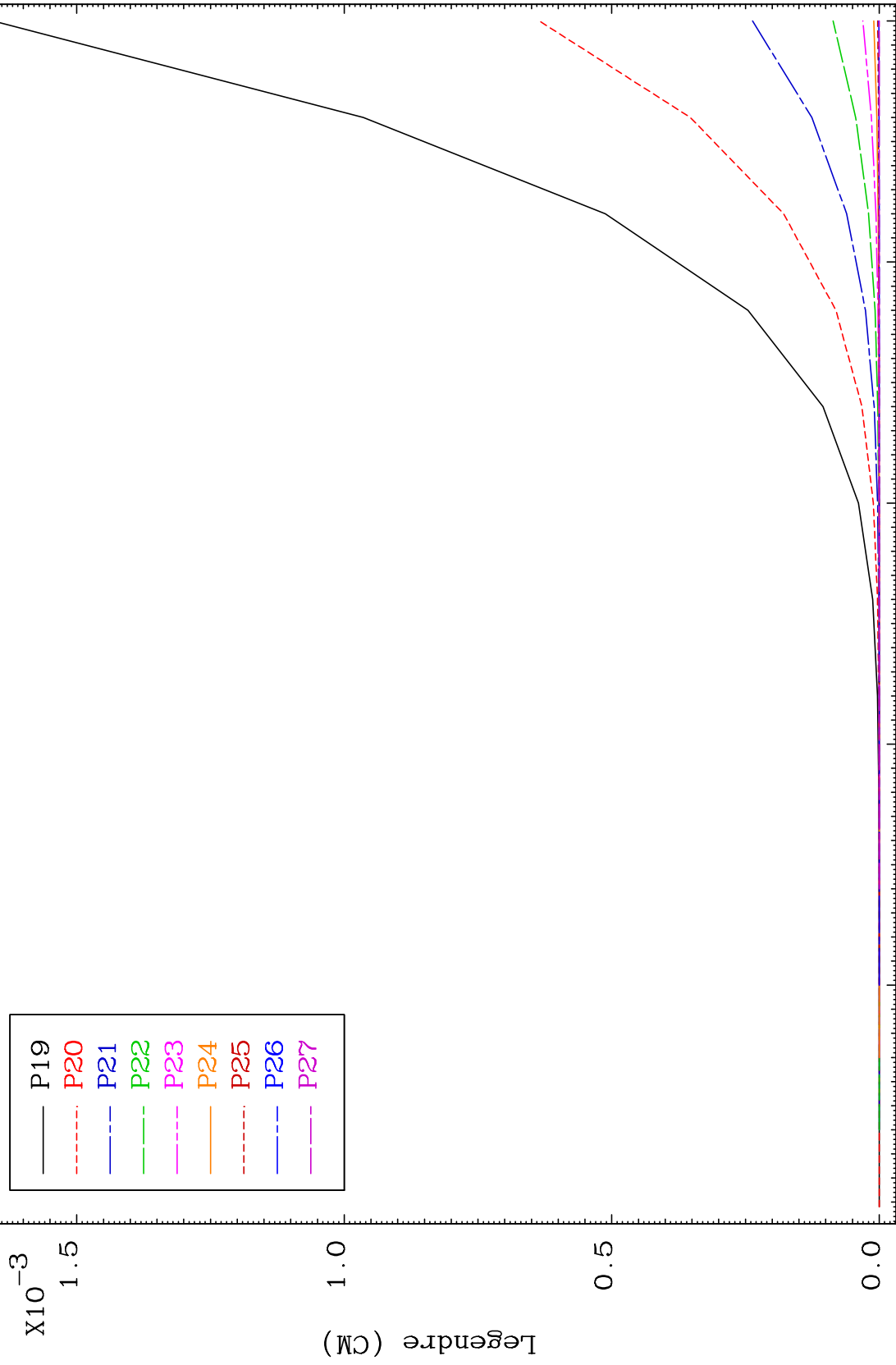
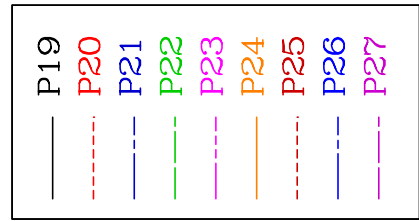
39-Y -84



MAT 3910

Elastic Legendre Coefficients

39-Y -84



16

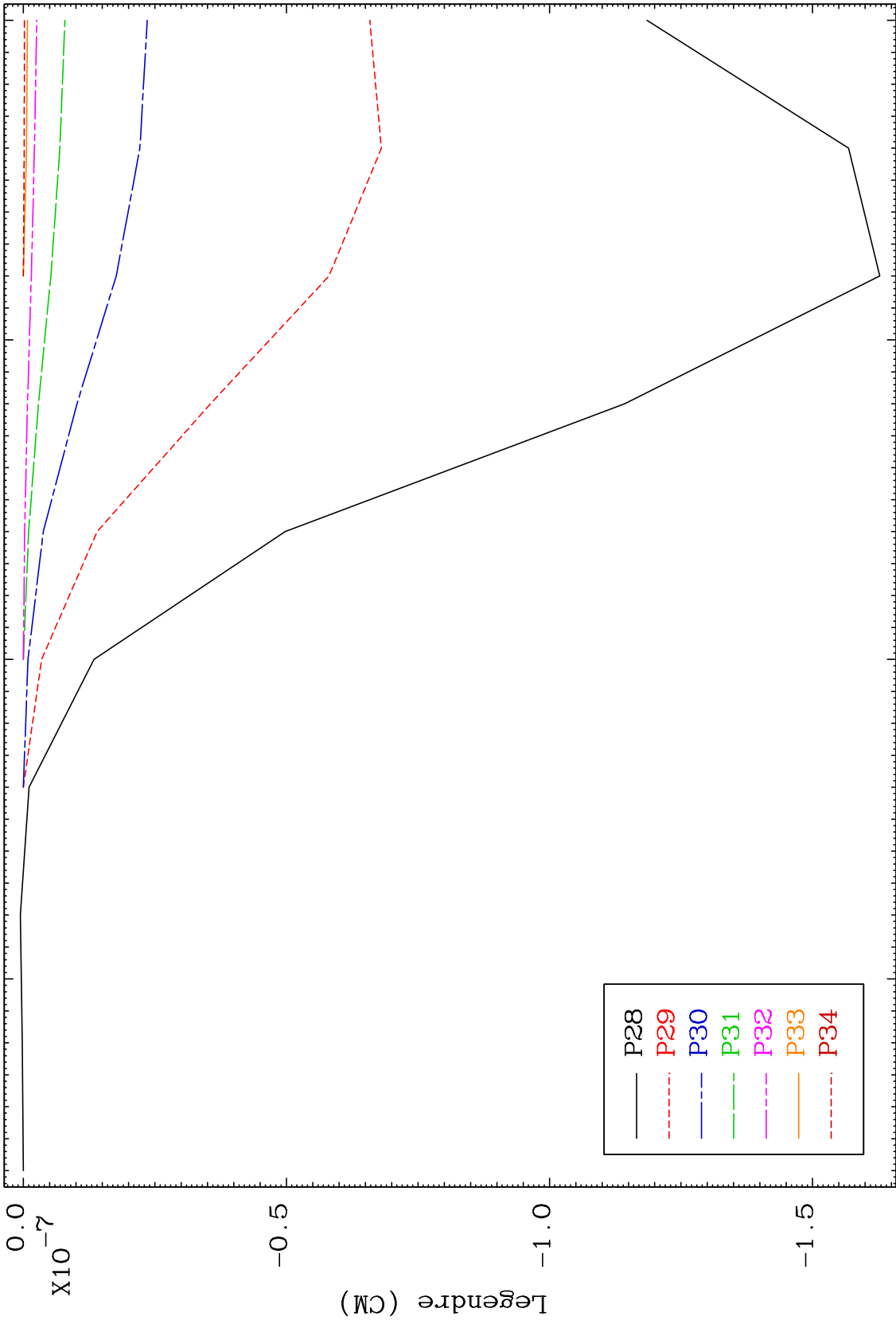
Incident Energy (MeV)

39-Y -84

MAT 3910

Elastic Legendre Coefficients

39-Y -84



0.0
X10⁻⁷

-0.5

-1.0

-1.5

Legendre (CM)

15

20

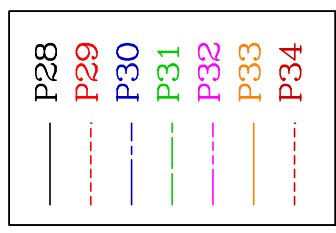
25

30

17

Incident Energy (MeV)

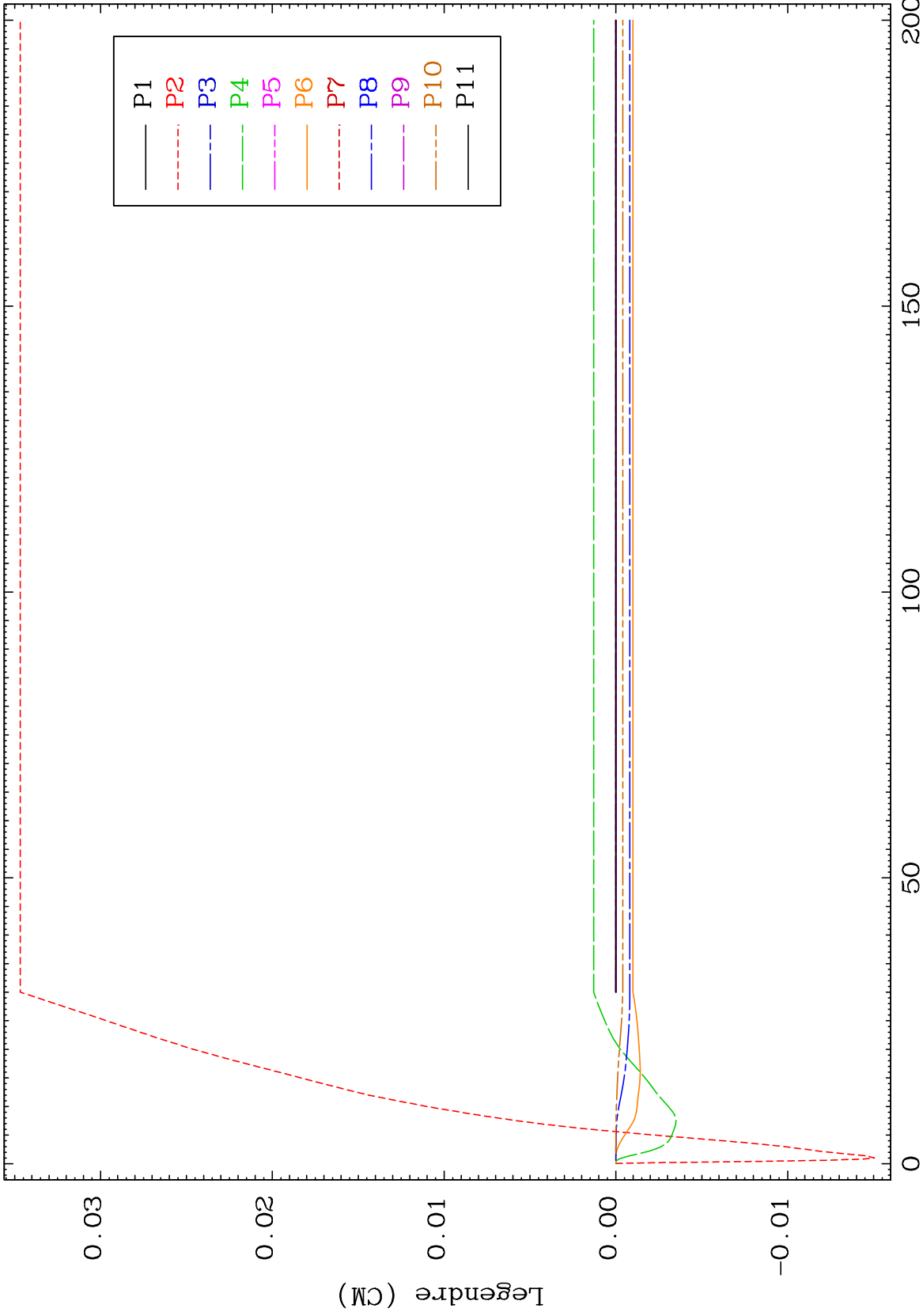
39-Y -84



MAT 3910

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

39-Y -84



18

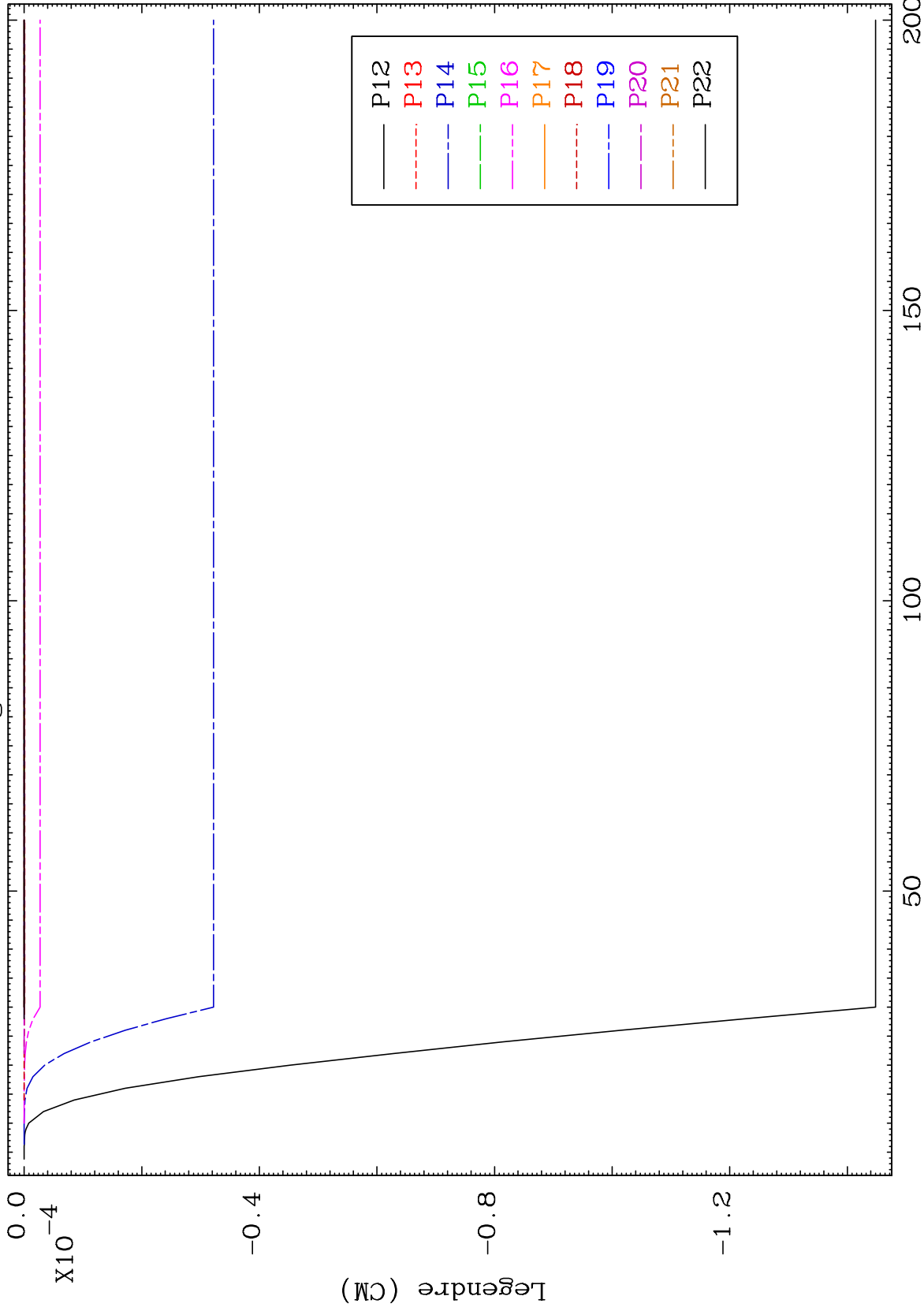
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84



39-Y -84

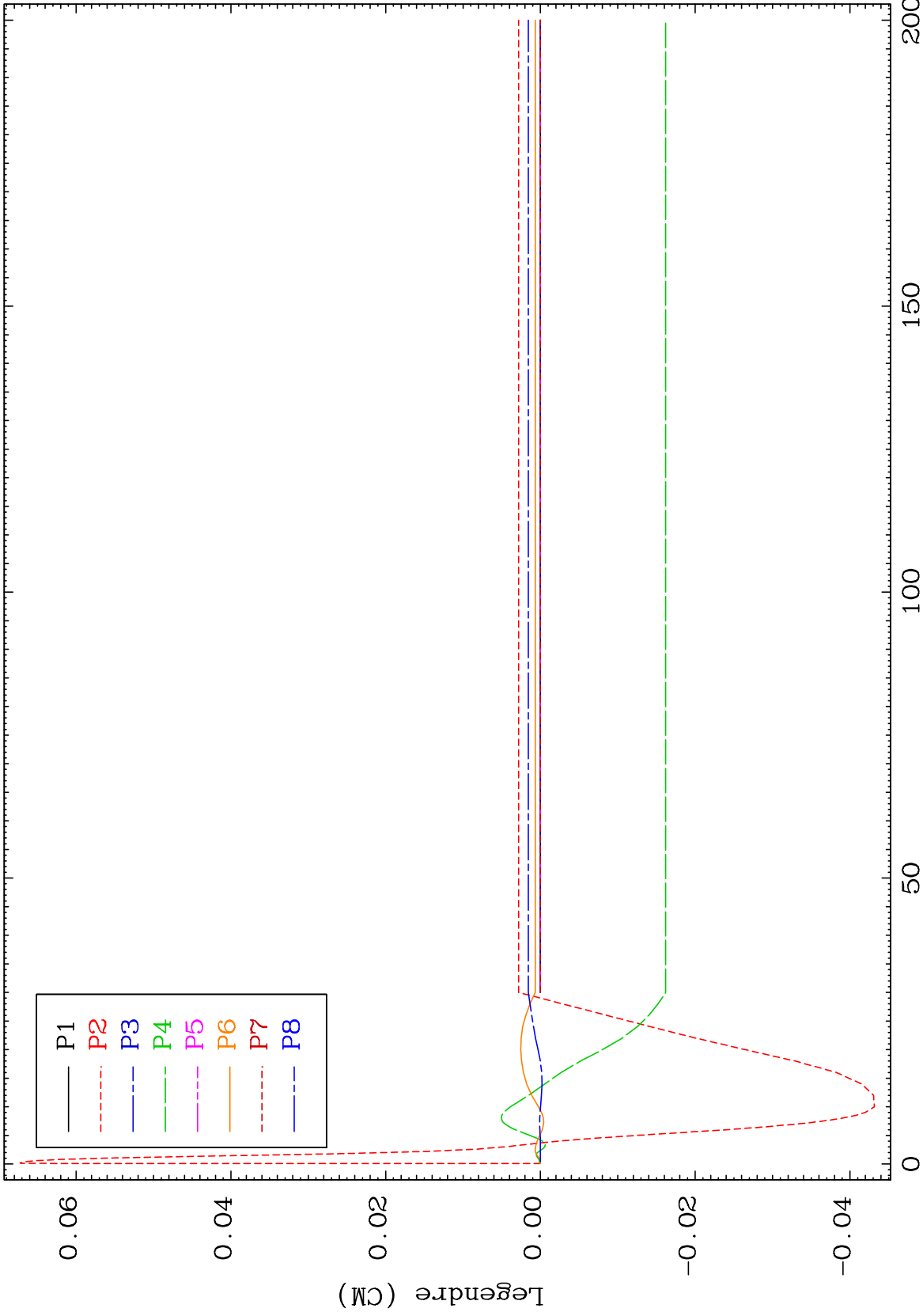
Incident Energy (MeV)

19

MAT 3910

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

39-Y -84



20

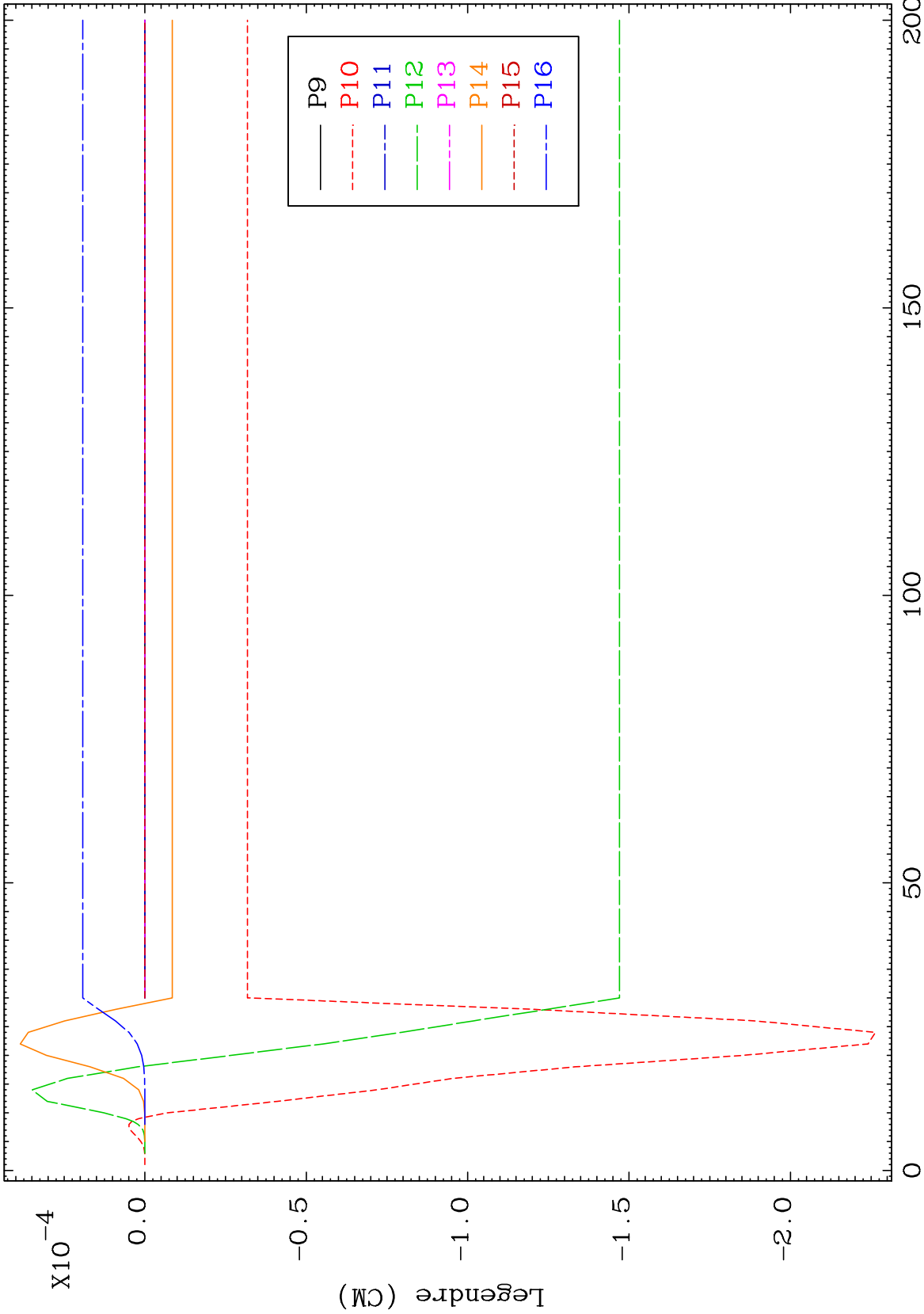
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84

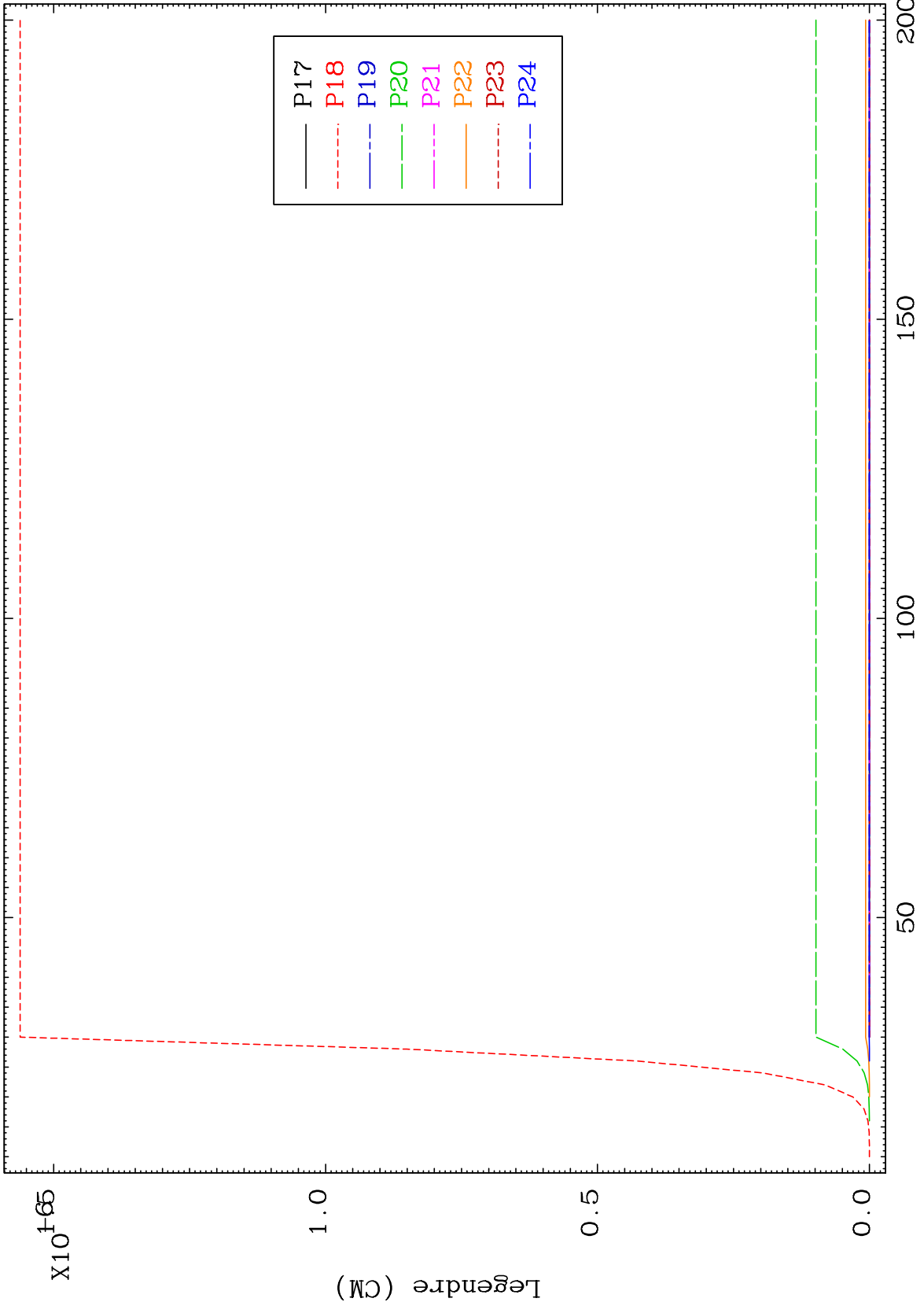


21

Incident Energy (MeV)

39-Y -84

MAT 3910 MT= 52 (n,n') Level Legendre Coefficients 39-Y -84

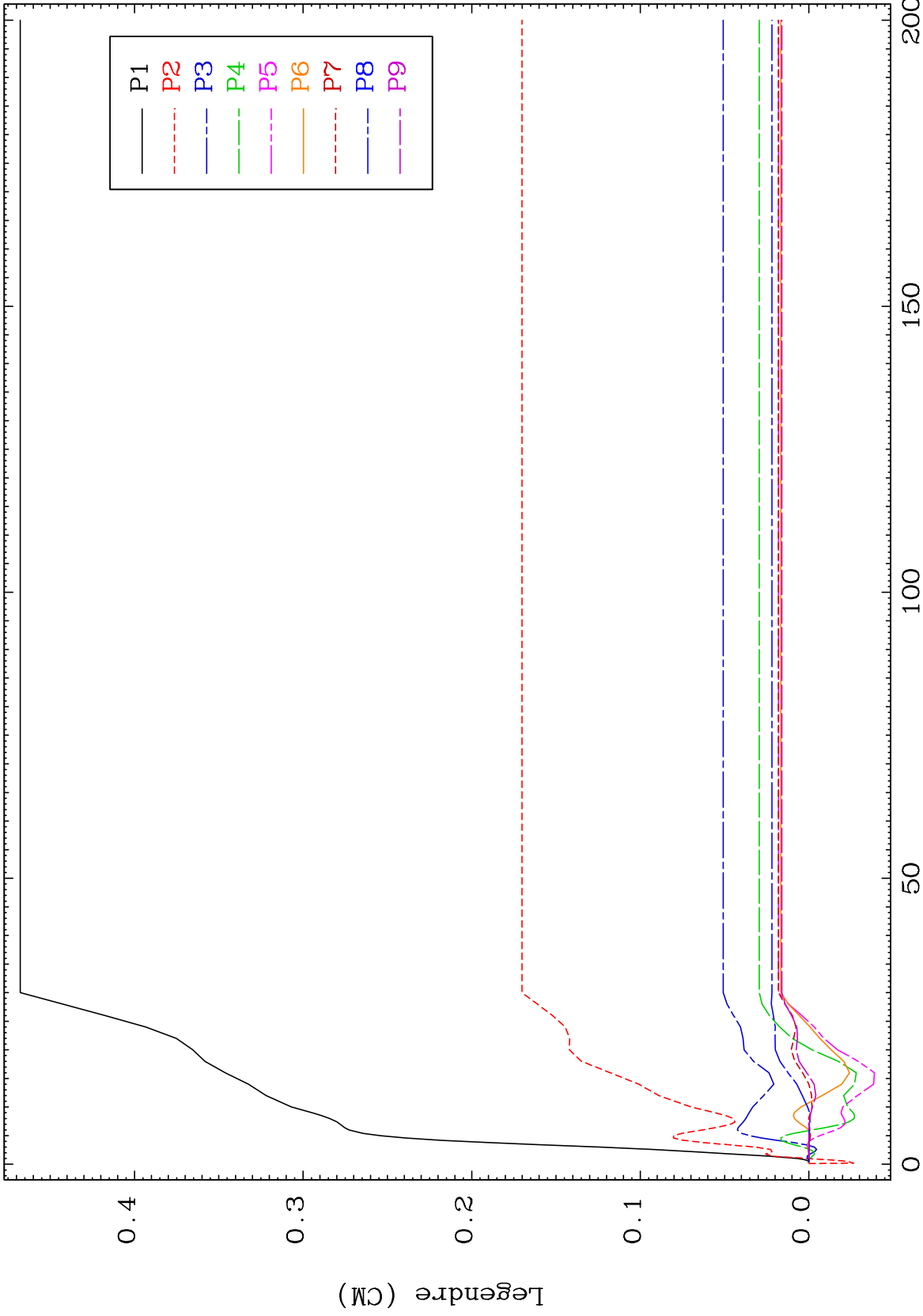


22 Incident Energy (MeV) 39-Y -84

MAT 3910

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

39-Y -84



23

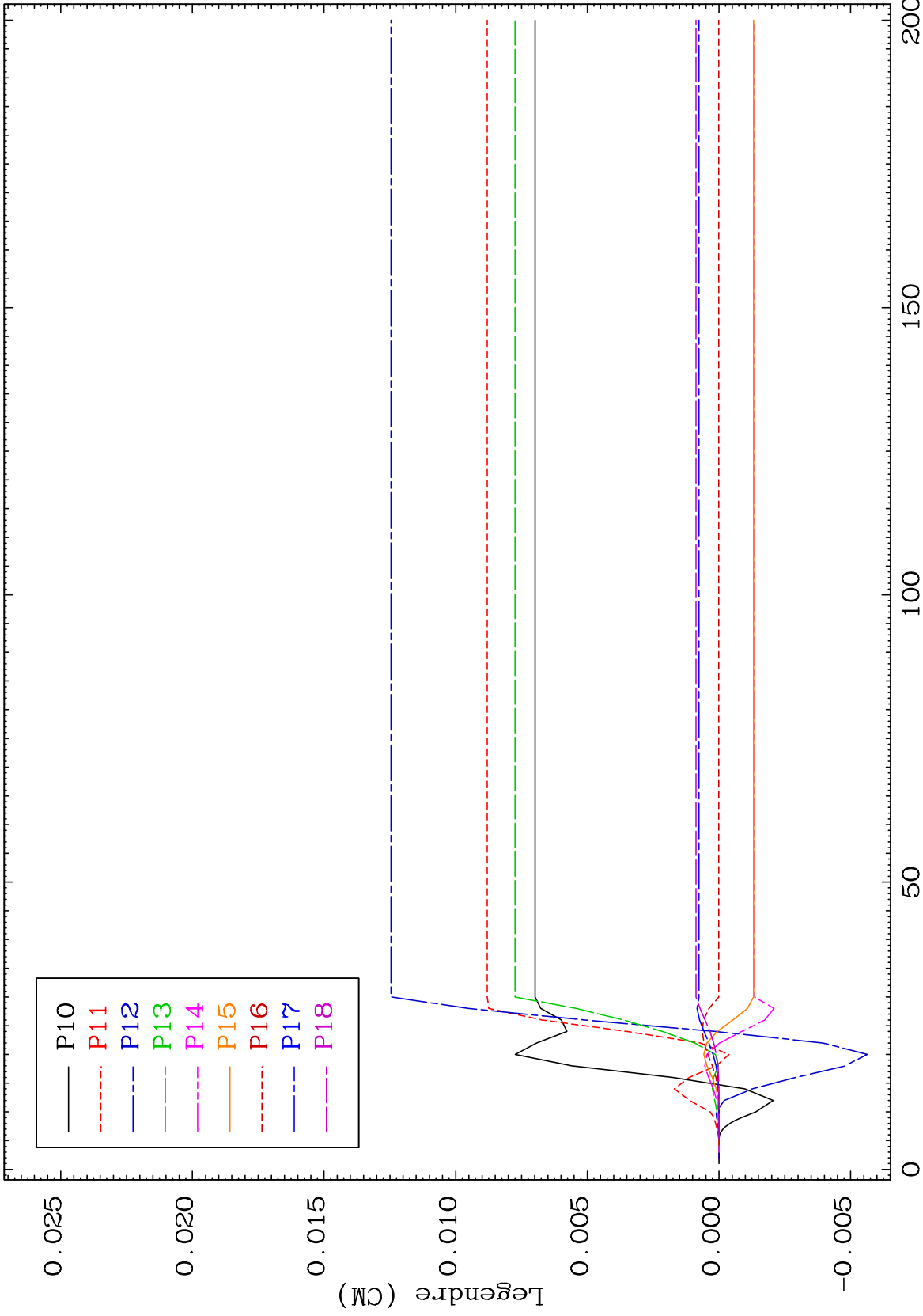
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84



24

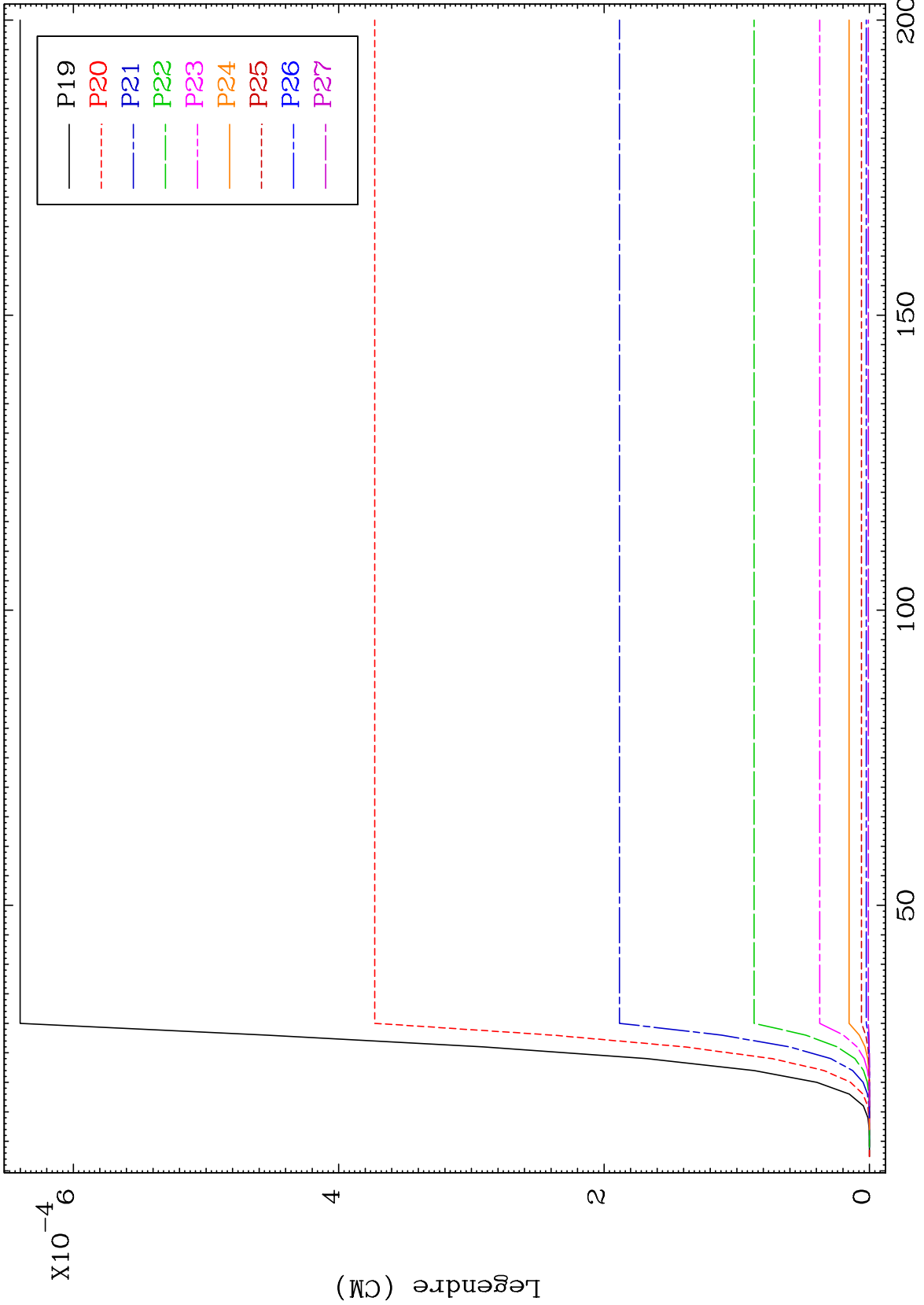
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84



25

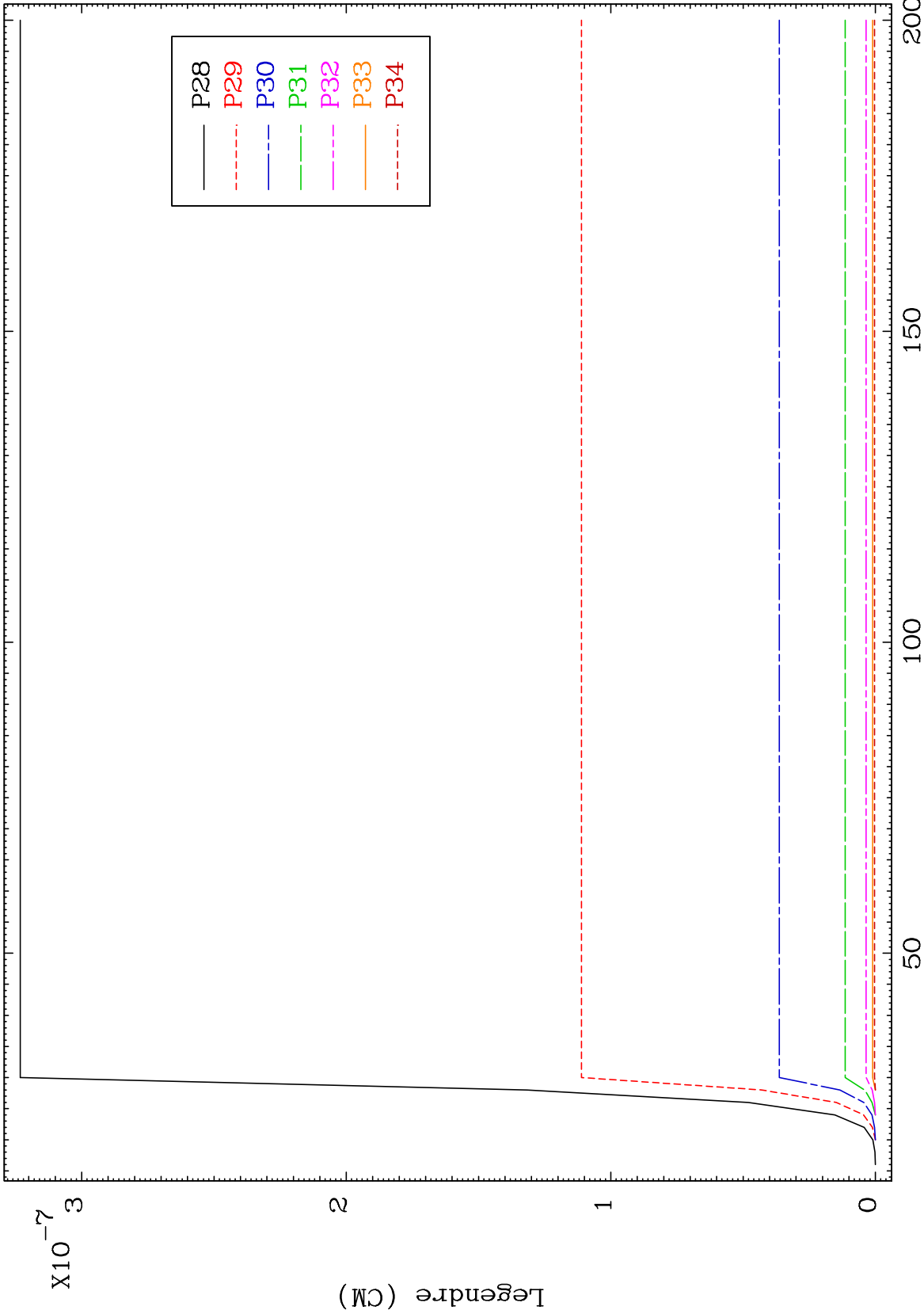
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84



26

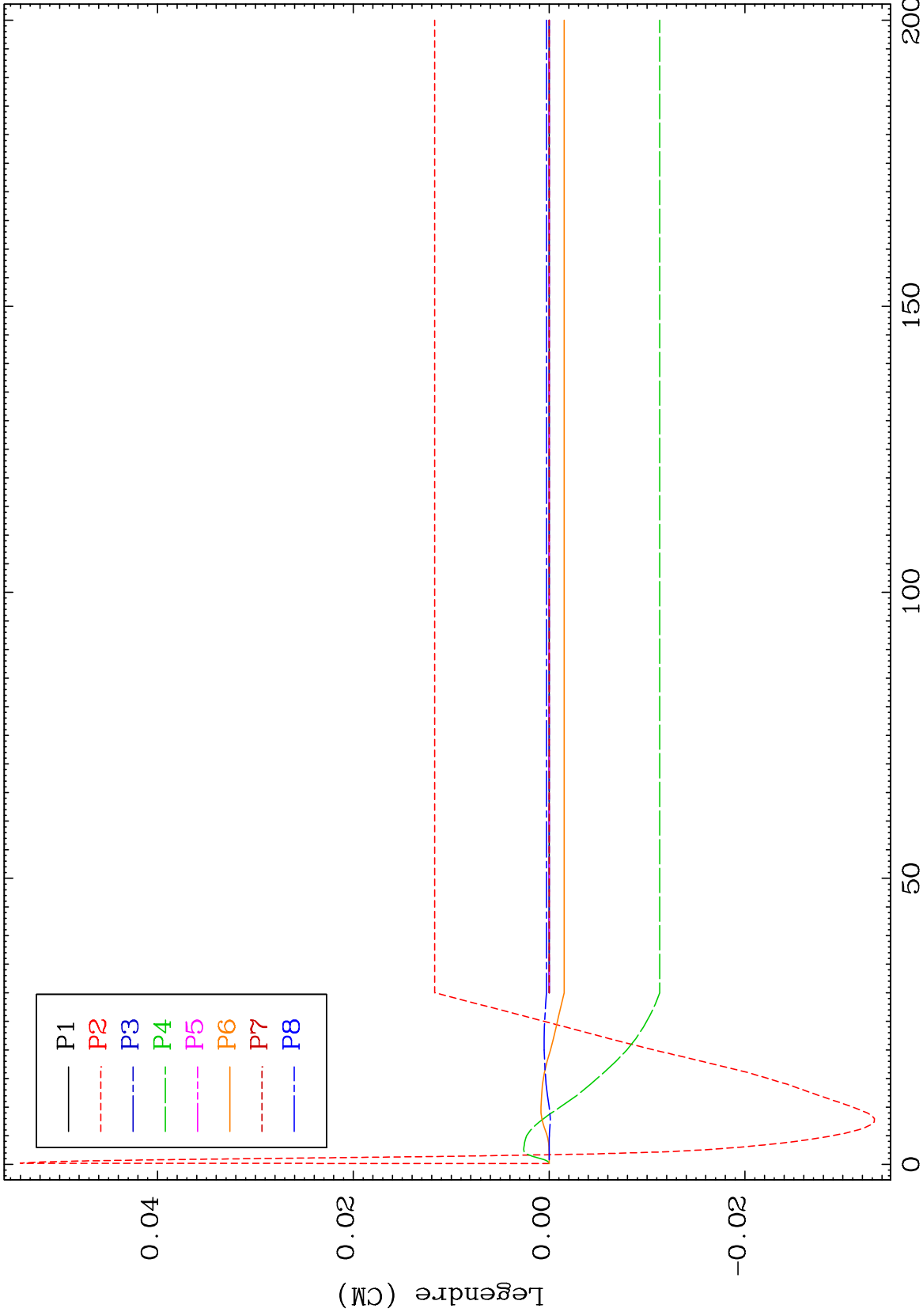
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84



27

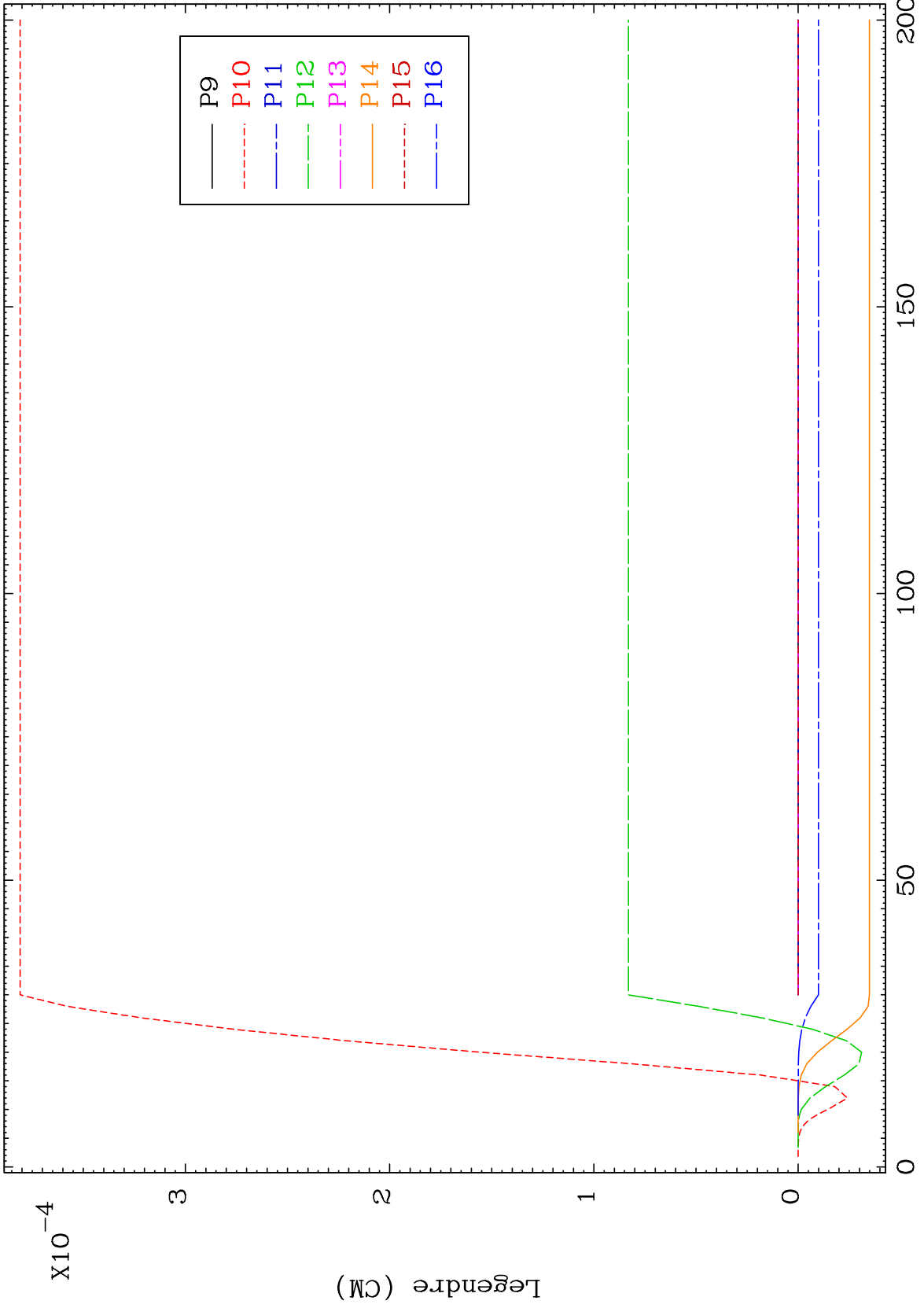
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84

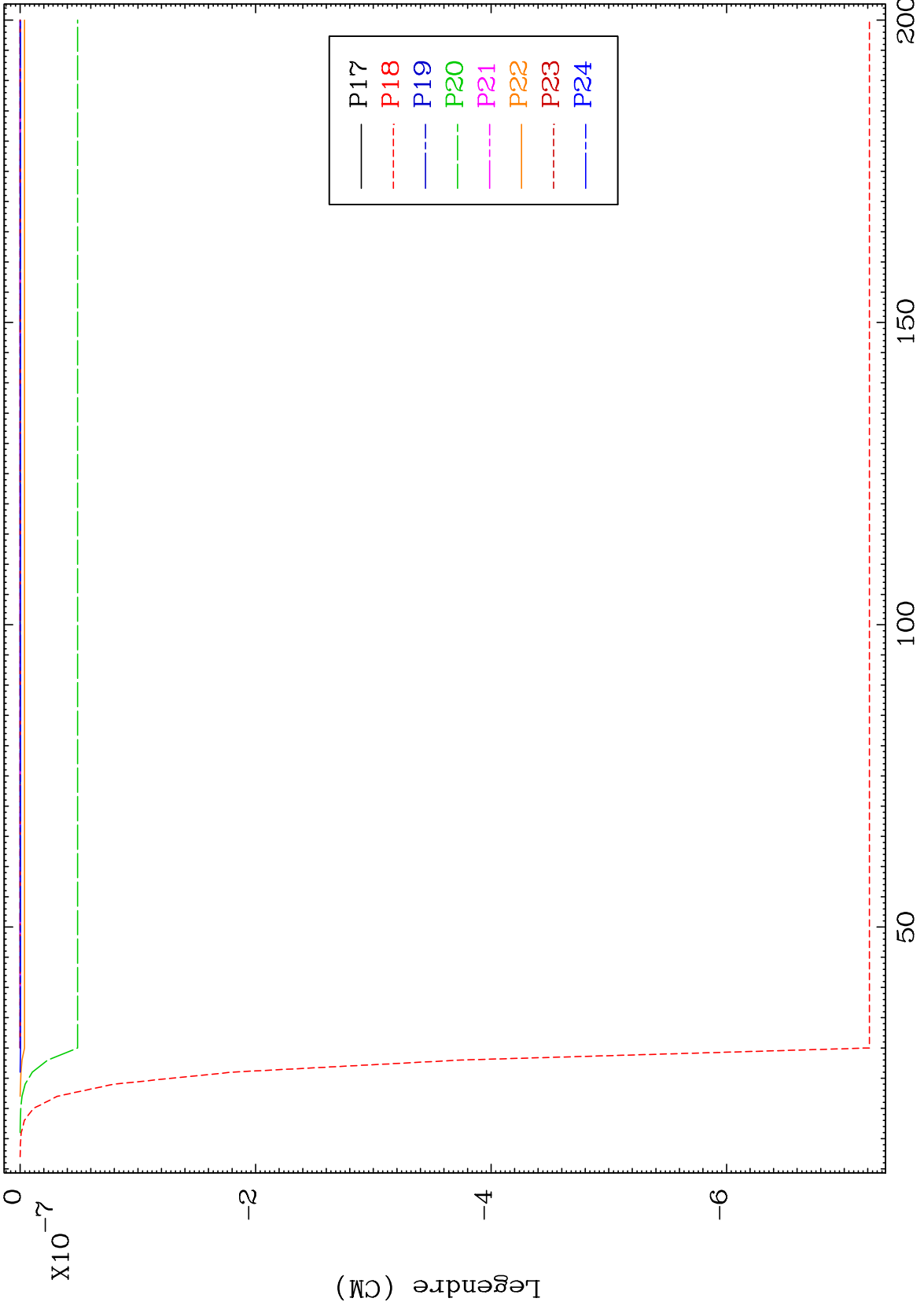


28

Incident Energy (MeV)

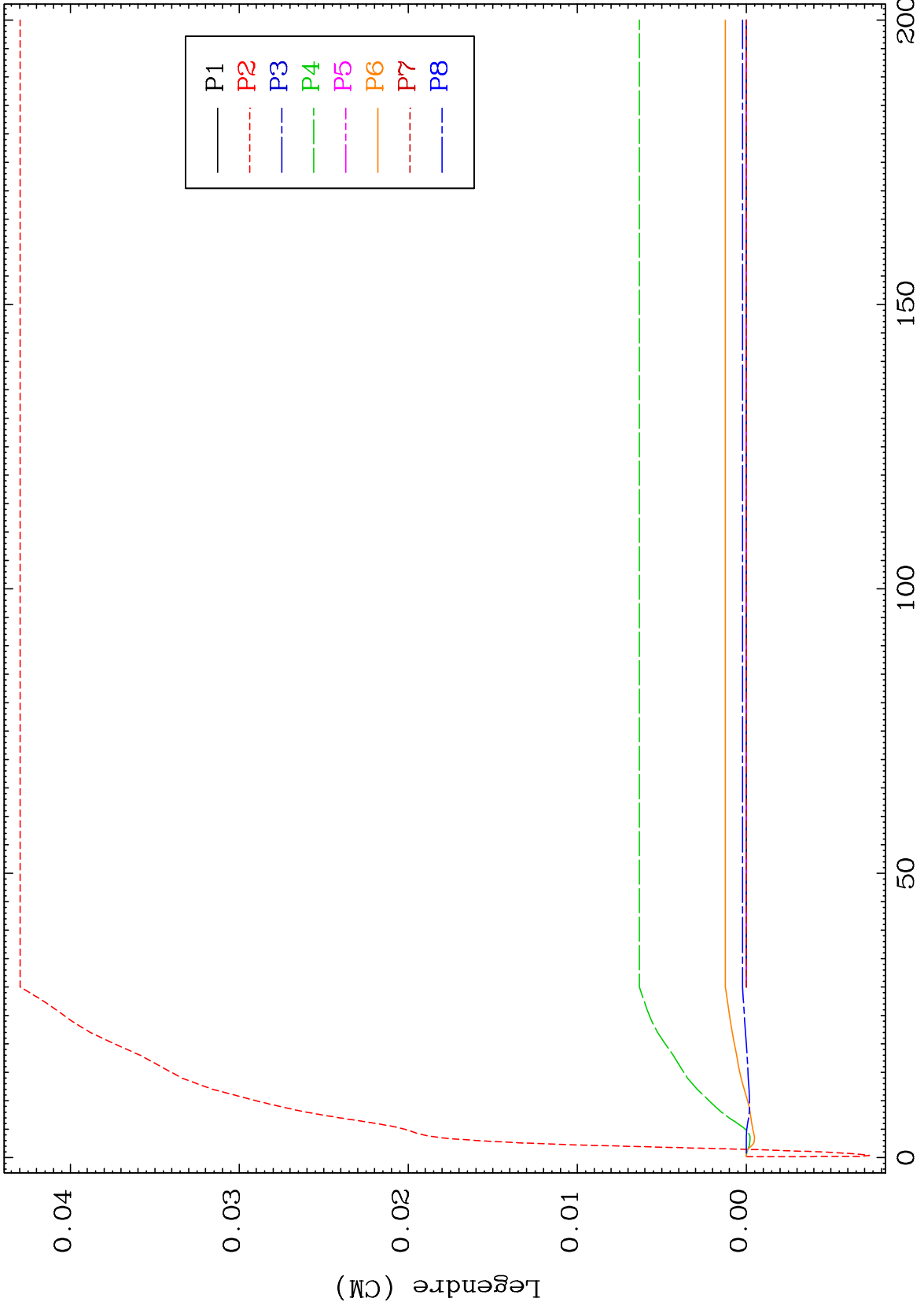
39-Y -84

MAT 3910 MT= 54 (n,n') Level Legendre Coefficients 39-Y -84



29 Incident Energy (MeV) 39-Y -84

MAT 3910 MT= 55 (n,n') Level Legendre Coefficients 39-Y -84

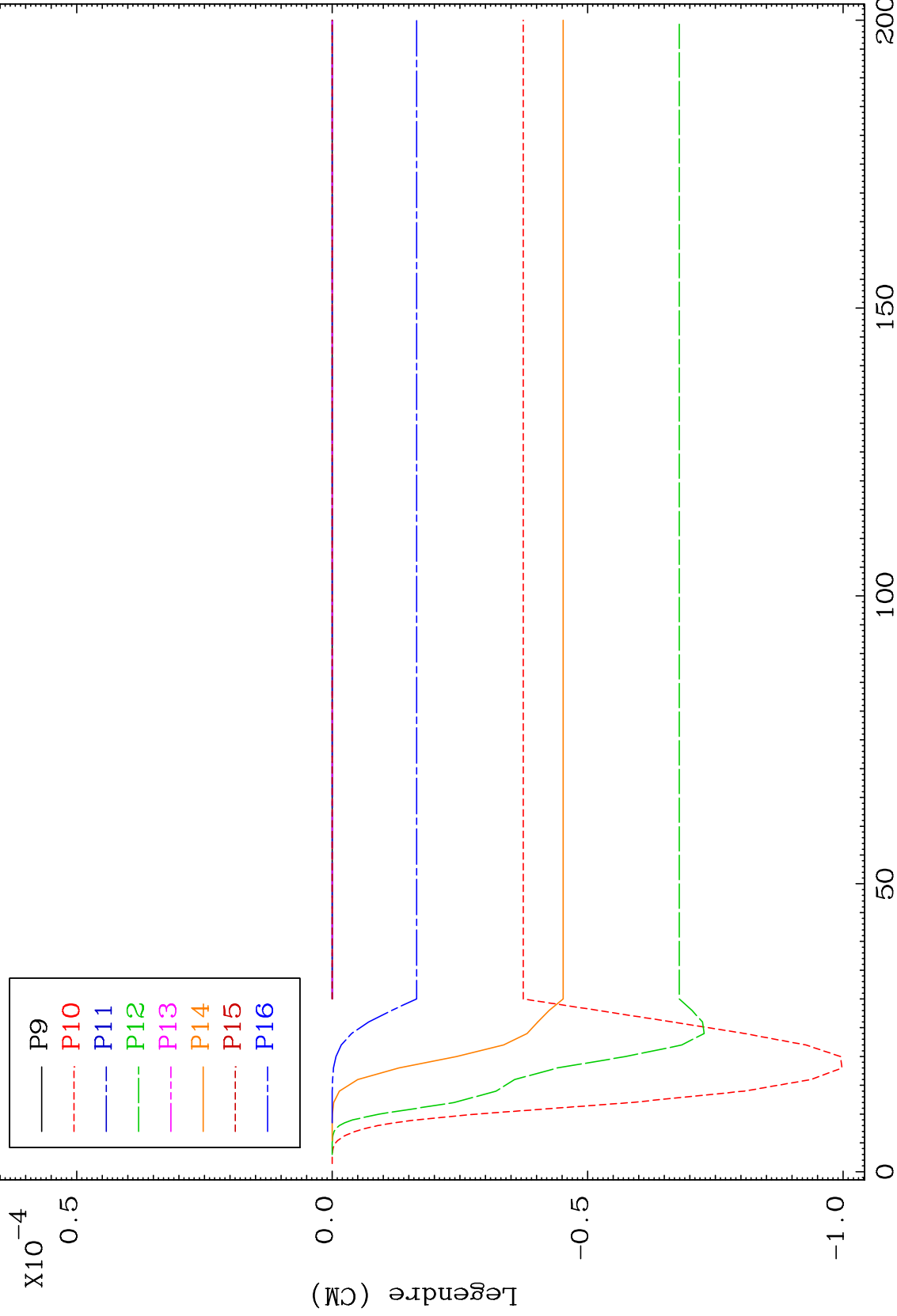
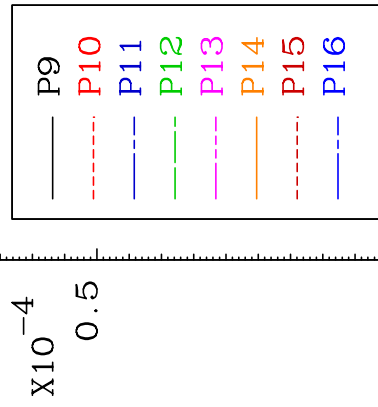


Legendre (CM) Incident Energy (MeV) 39-Y -84

MAT 3910

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

39-Y -84

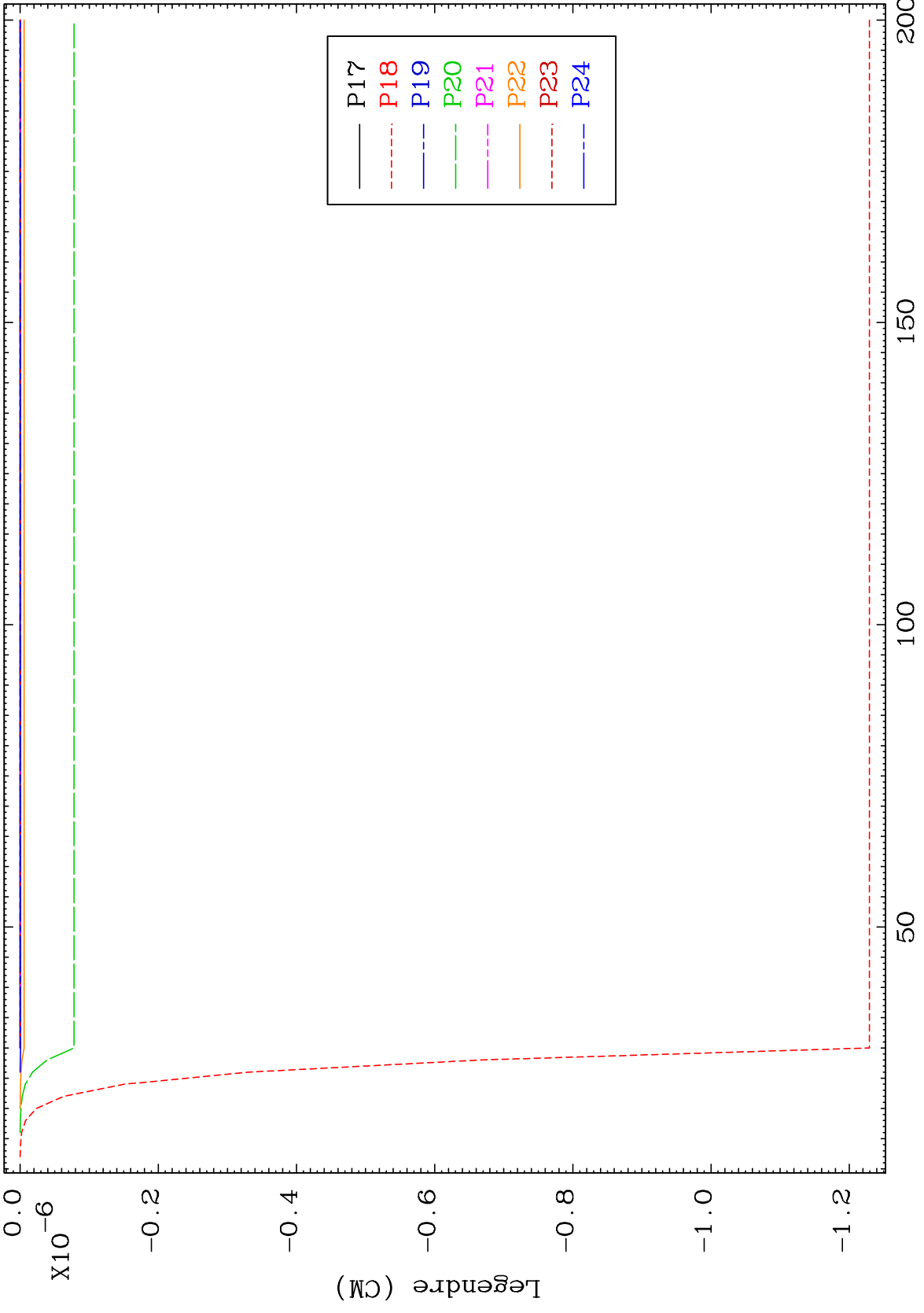


31

Incident Energy (MeV)

39-Y -84

MAT 3910 MT= 55 (n,n') Level Legendre Coefficients 39-Y -84

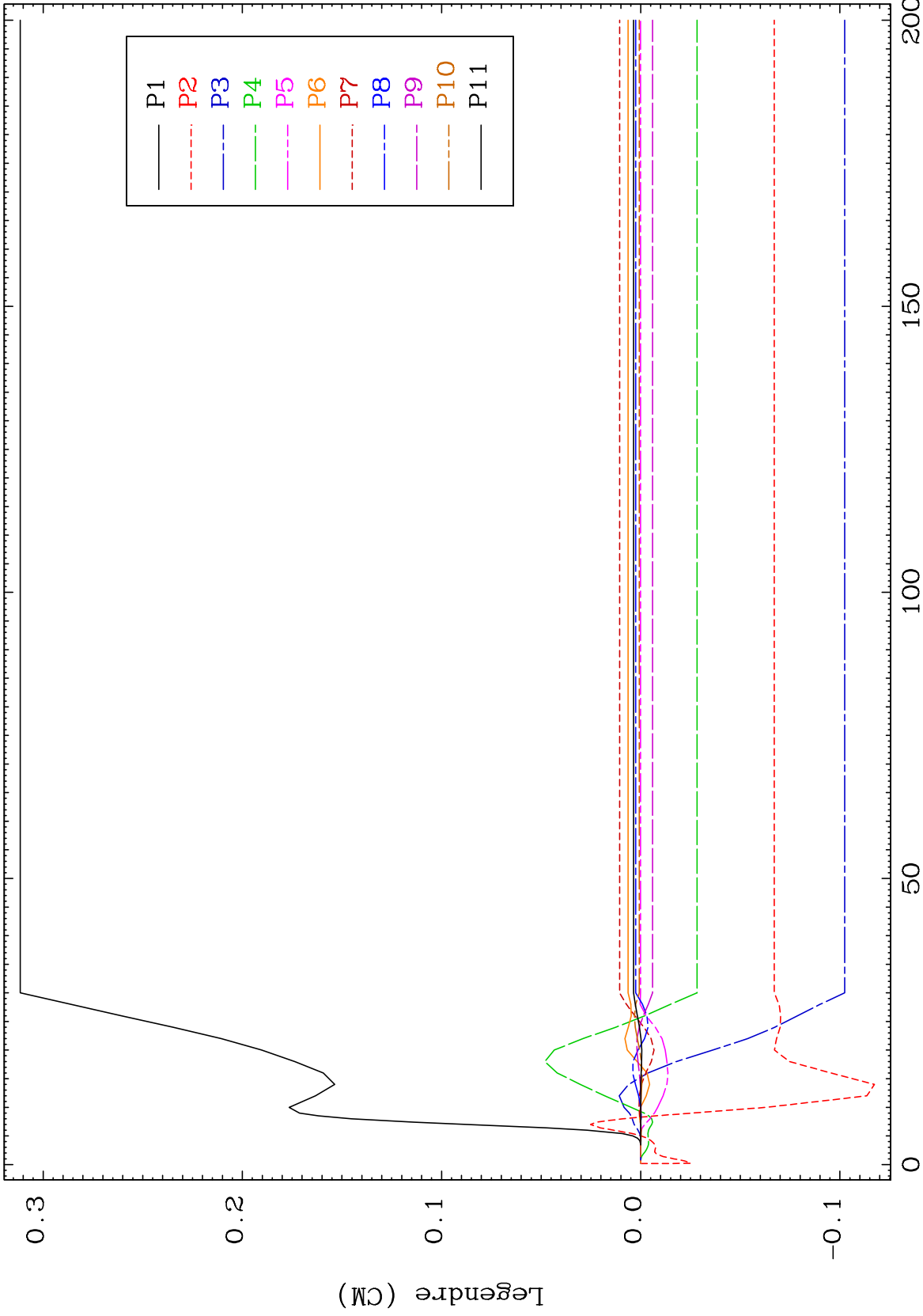


32 Incident Energy (MeV) 39-Y -84

MAT 3910

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

39-Y -84



33

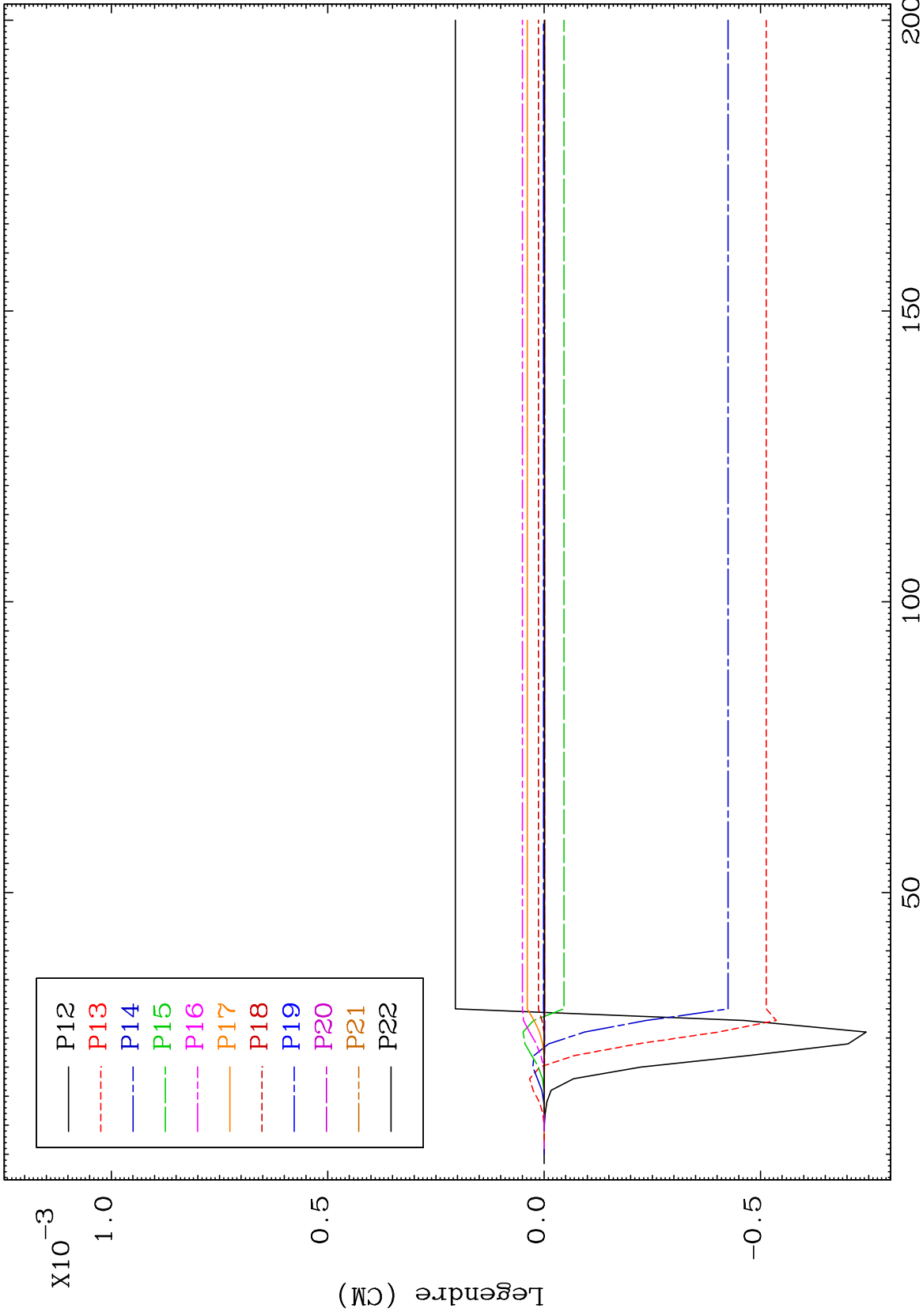
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84

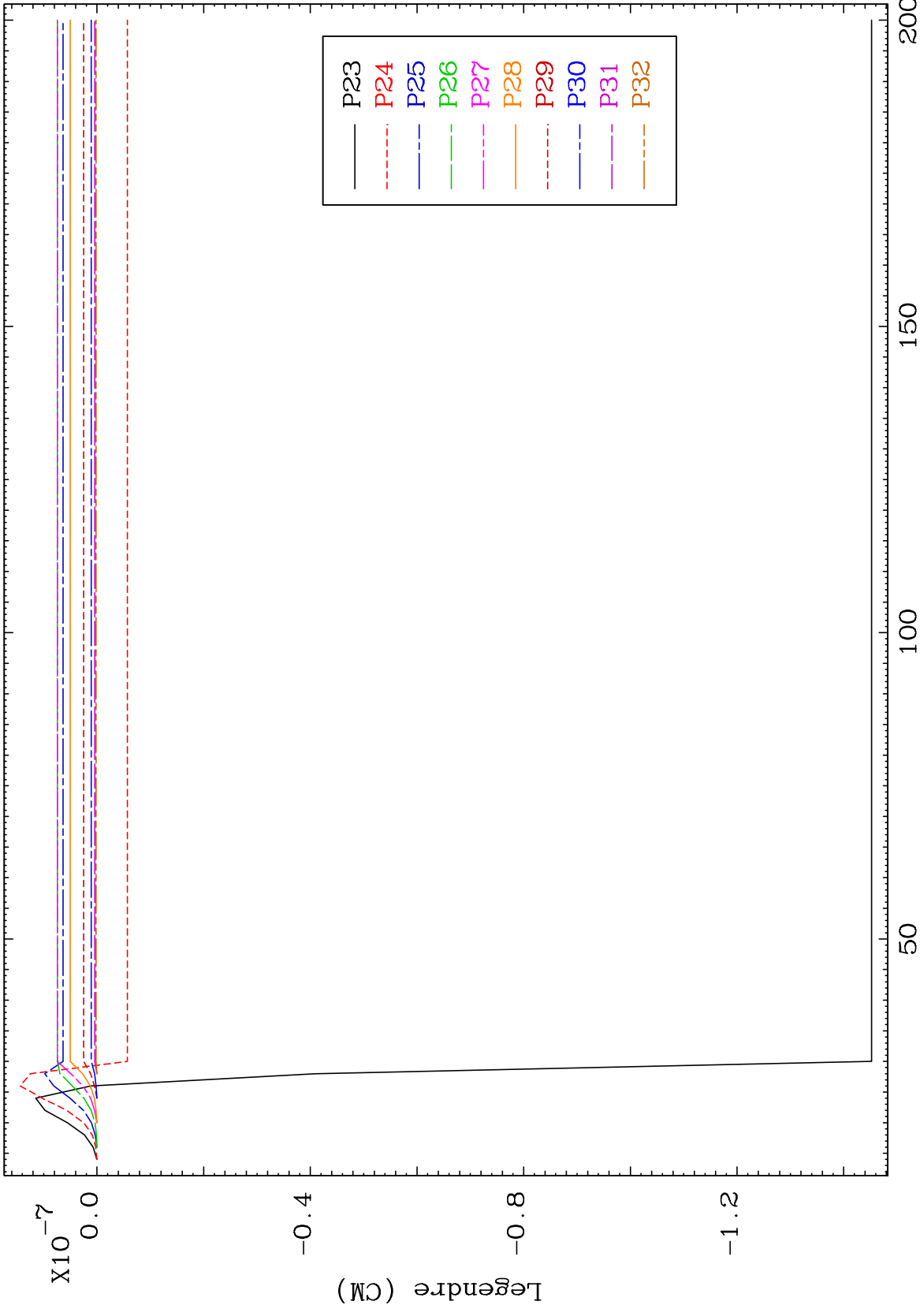


34

Incident Energy (MeV)

39-Y -84

MAT 3910 MT= 56 (n,n') Level Legendre Coefficients 39-Y -84

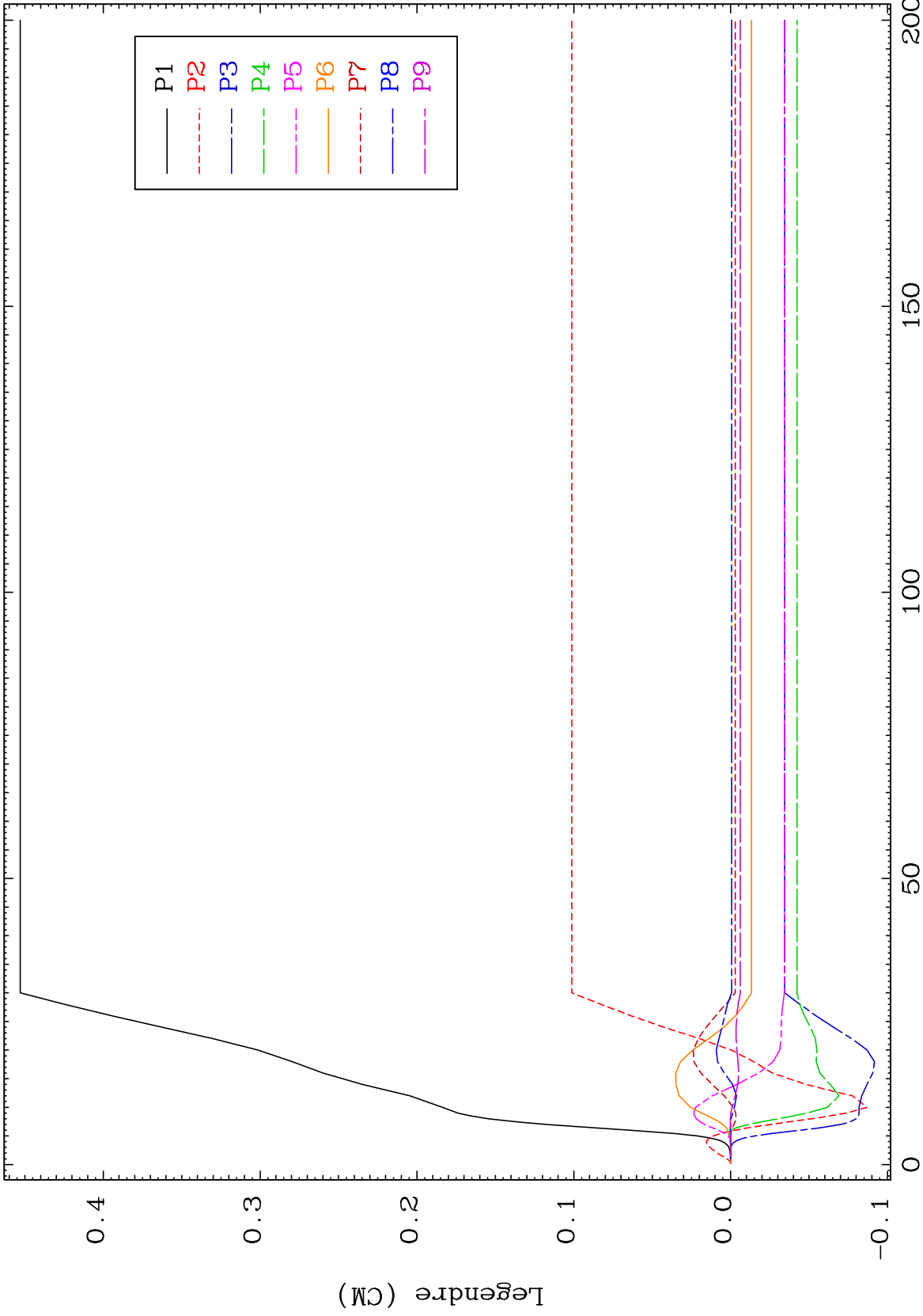


35 Incident Energy (MeV) 39-Y -84

MAT 3910

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

39-Y -84

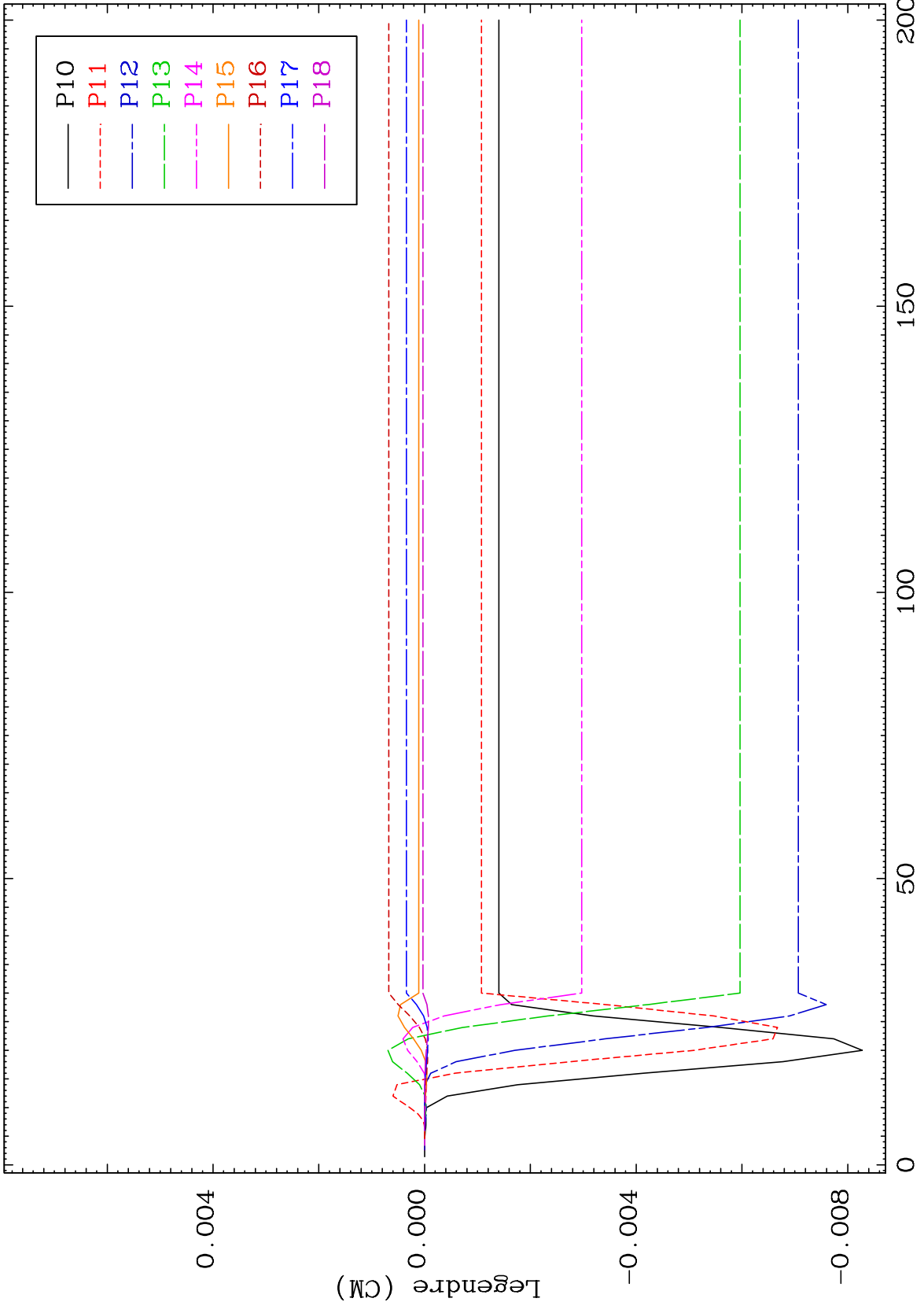


36

Incident Energy (MeV)

39-Y -84

MAT 3910 MT= 57 (n,n') Level Legendre Coefficients 39-Y -84

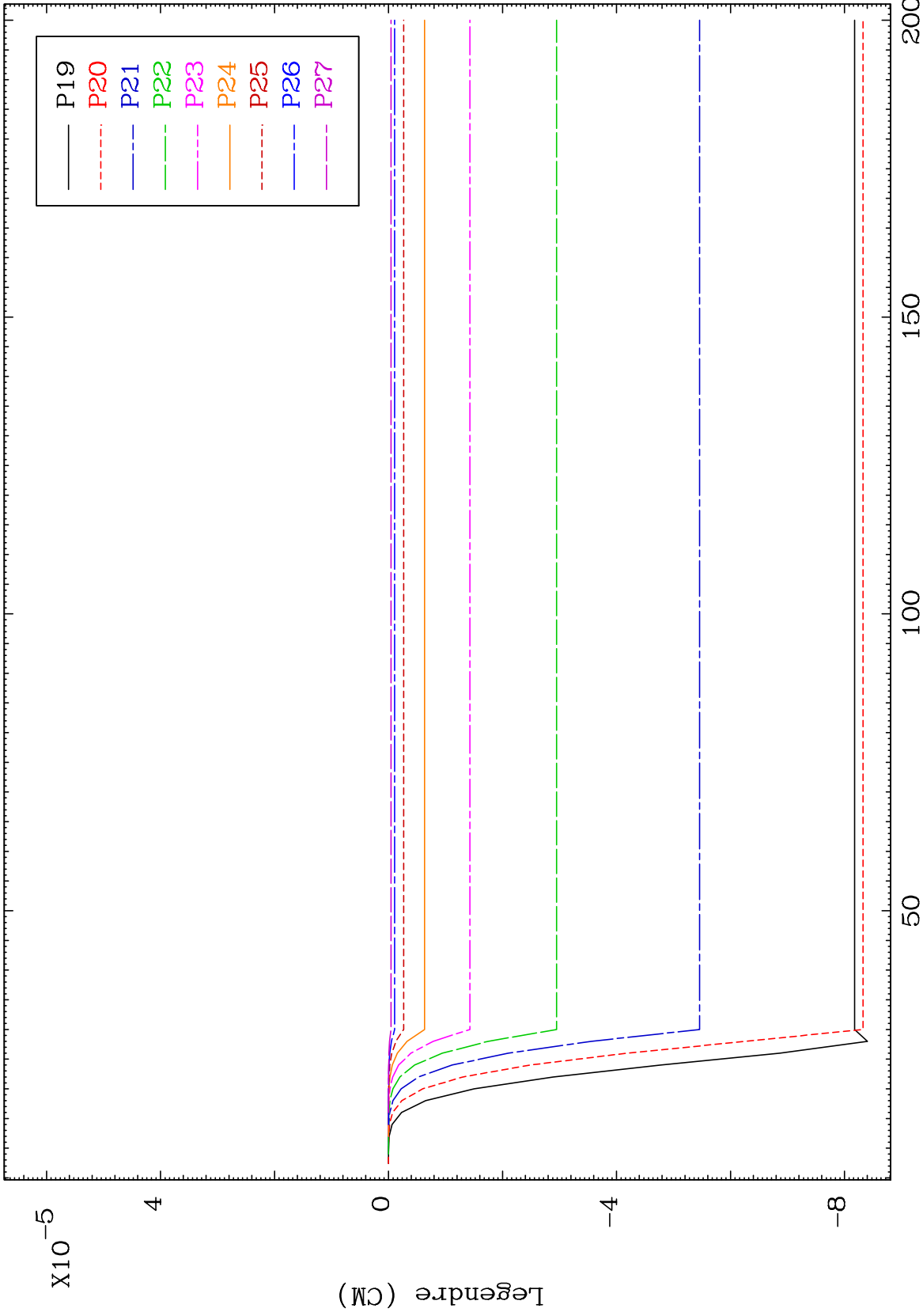


37 39-Y -84

MAT 3910

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

39-Y -84

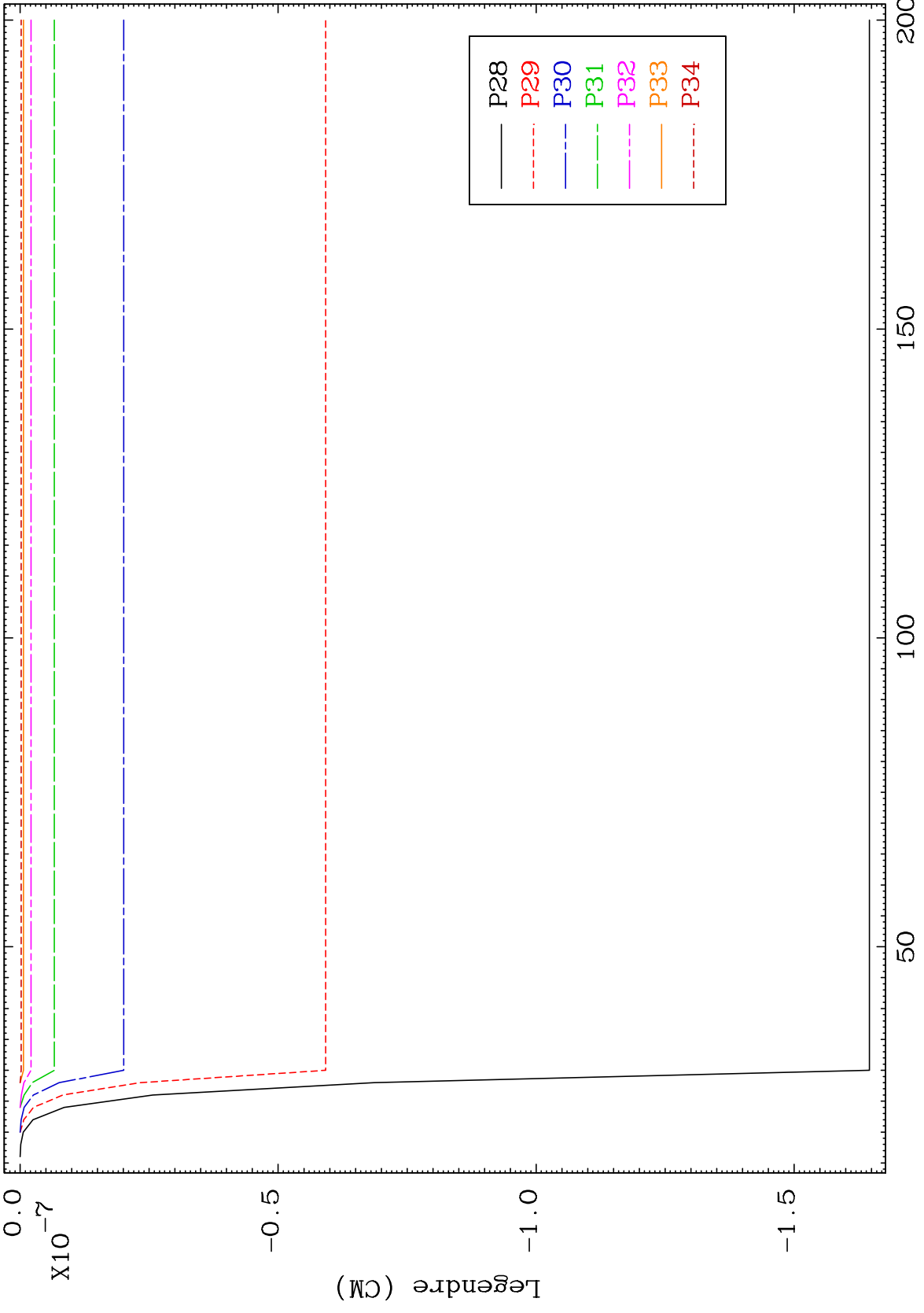


38

Incident Energy (MeV)

39-Y -84

MAT 3910 MT= 57 (n,n') Level Legendre Coefficients 39-Y -84

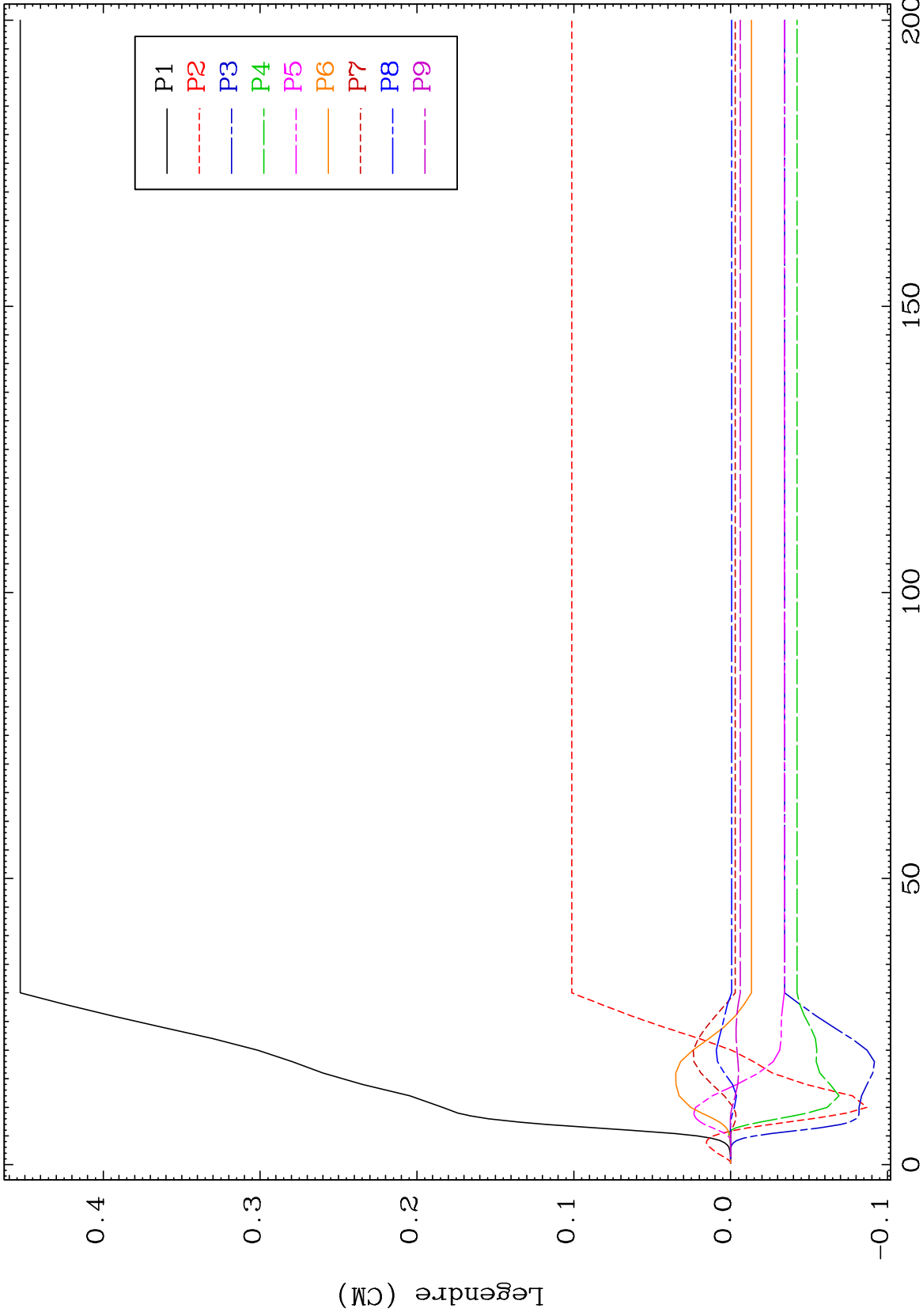


39 Incident Energy (MeV) 39-Y -84

MAT 3910

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

39-Y -84



39-Y -84

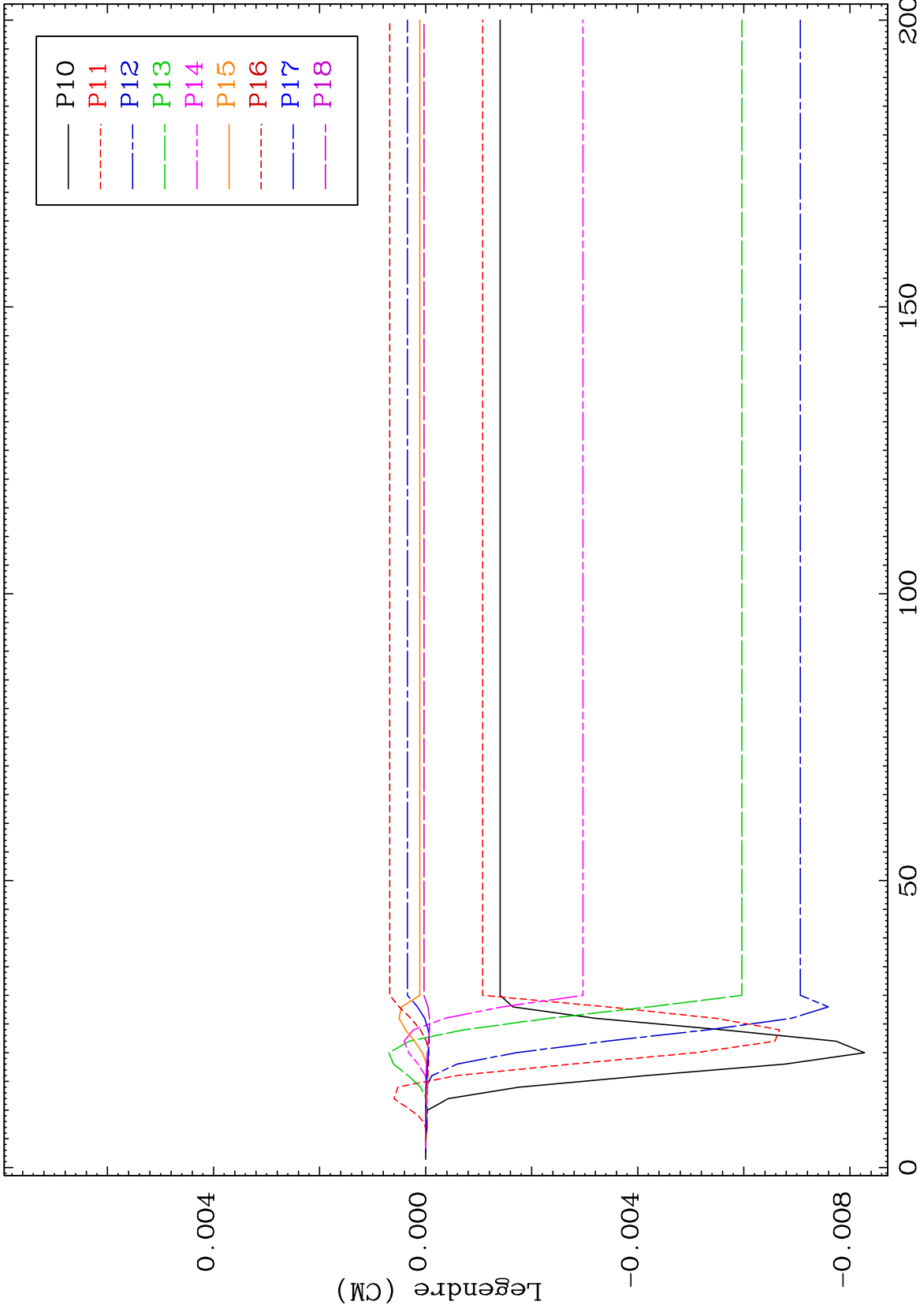
Incident Energy (MeV)

Legendre (CM)

MAT 3910

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

39-Y -84



41

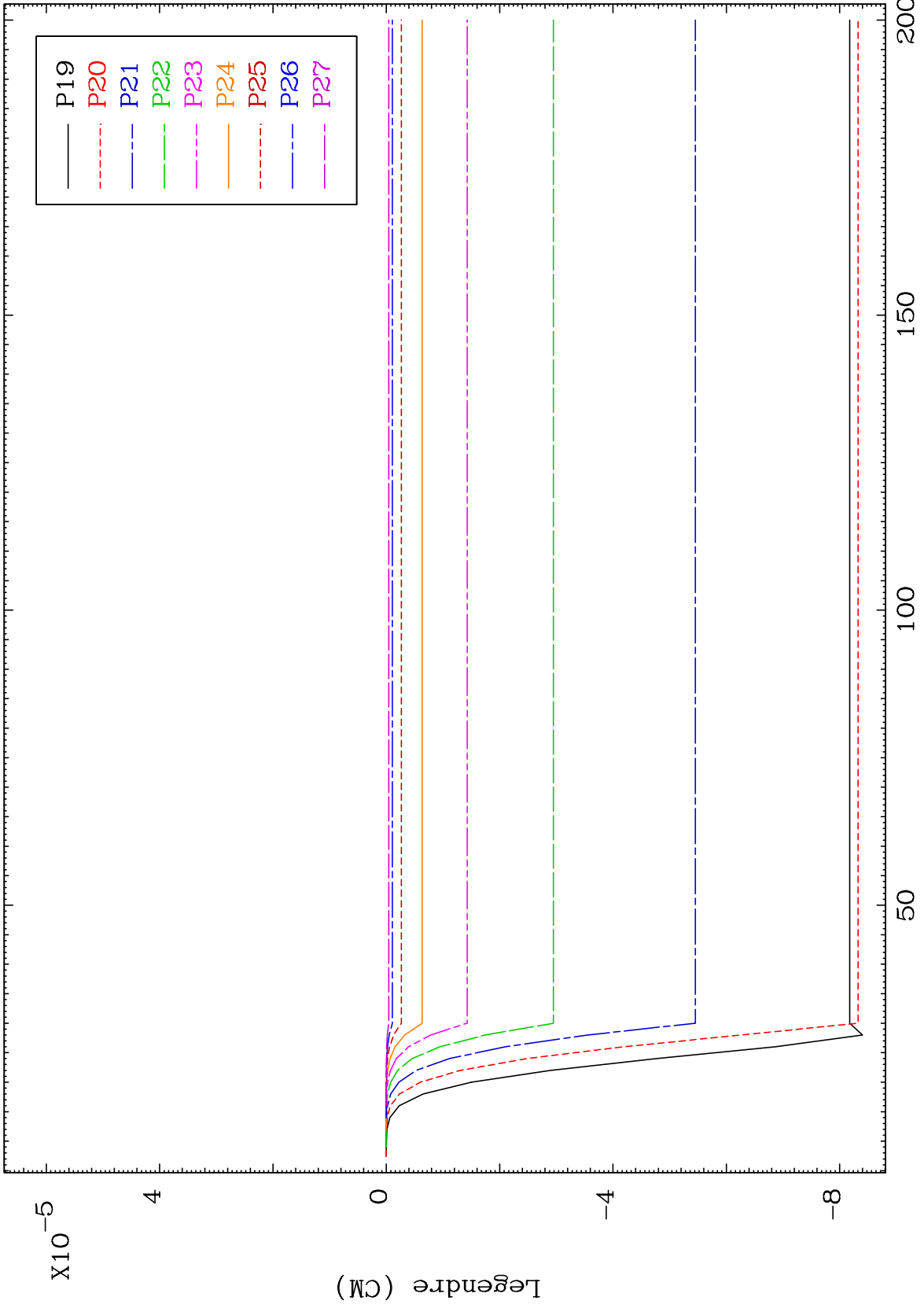
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84

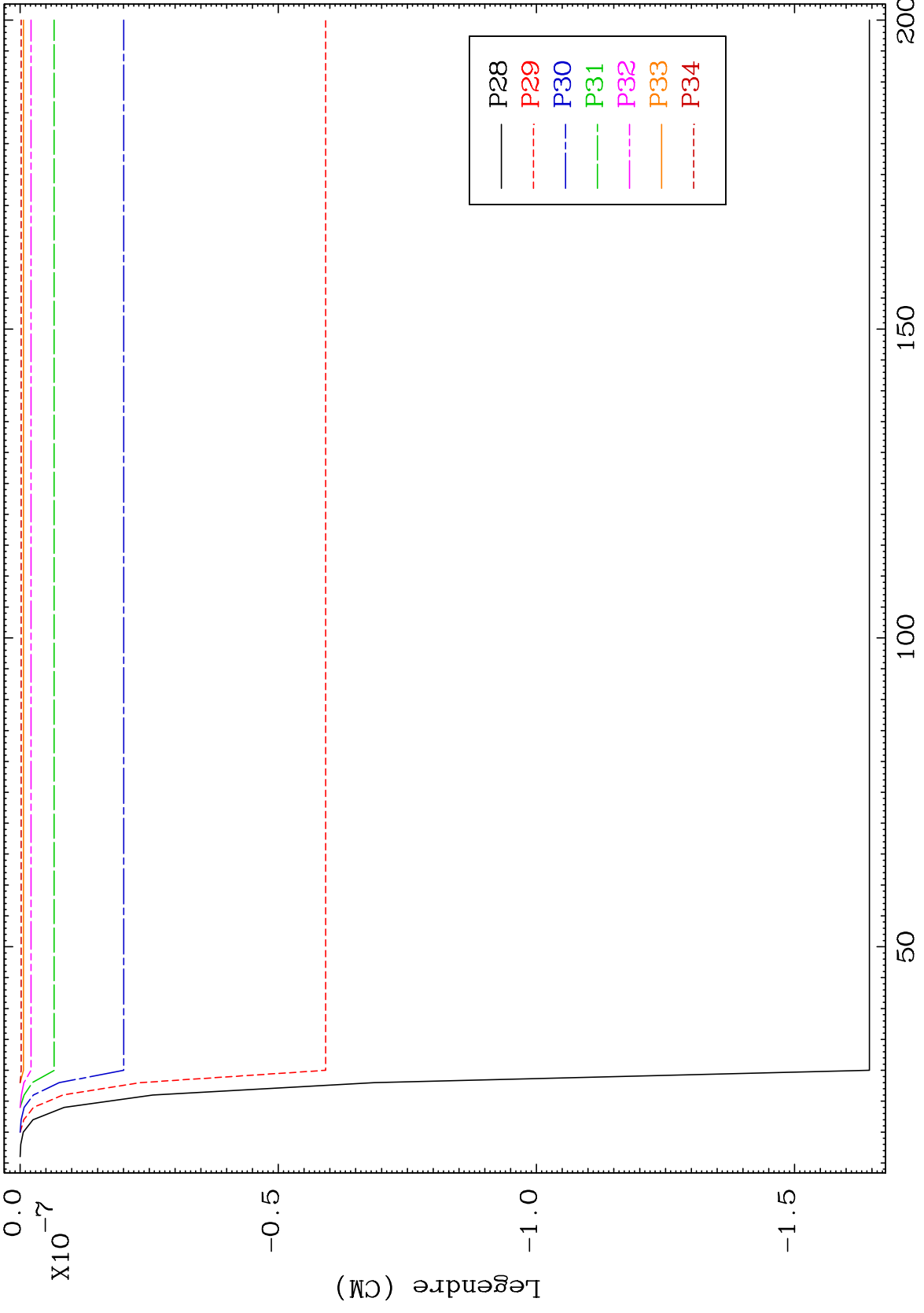


42

Incident Energy (MeV)

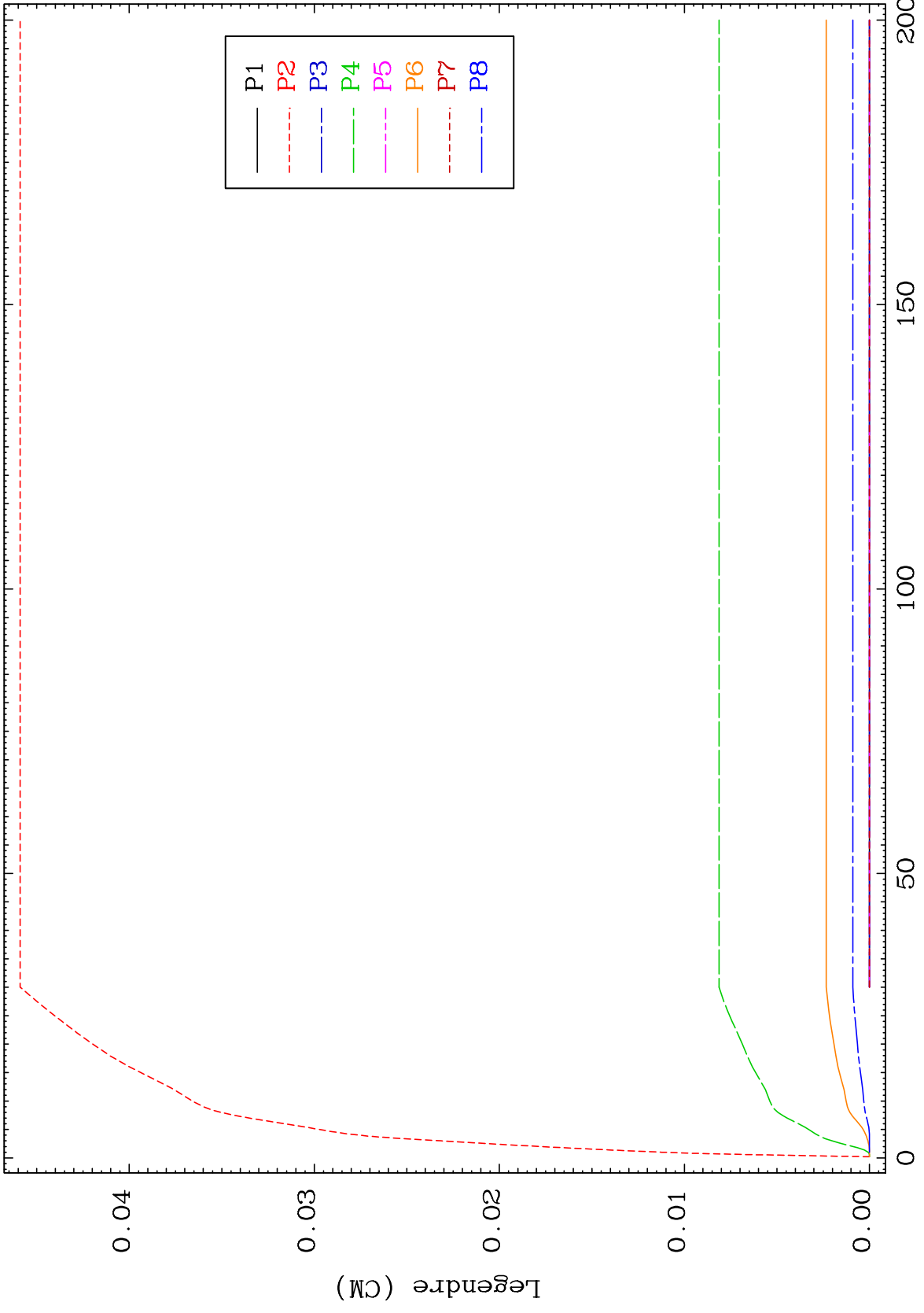
39-Y -84

MAT 3910 MT= 58 (n,n') Level Legendre Coefficients 39-Y -84



43 Incident Energy (MeV) 39-Y -84

MAT 3910 MT= 59 (n,n') Level Legendre Coefficients 39-Y -84

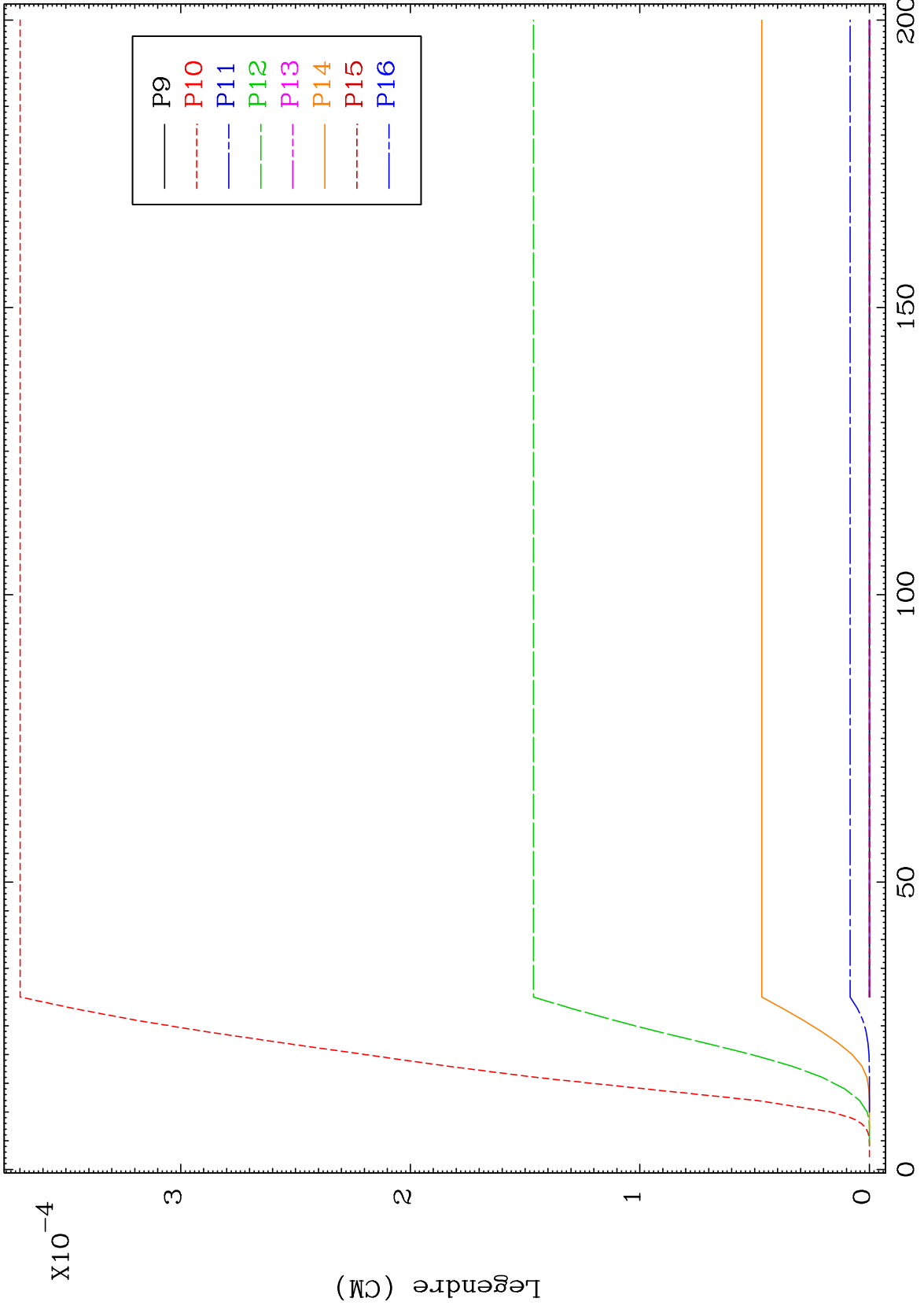


44 Incident Energy (MeV) 39-Y -84

MAT 3910

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

39-Y -84



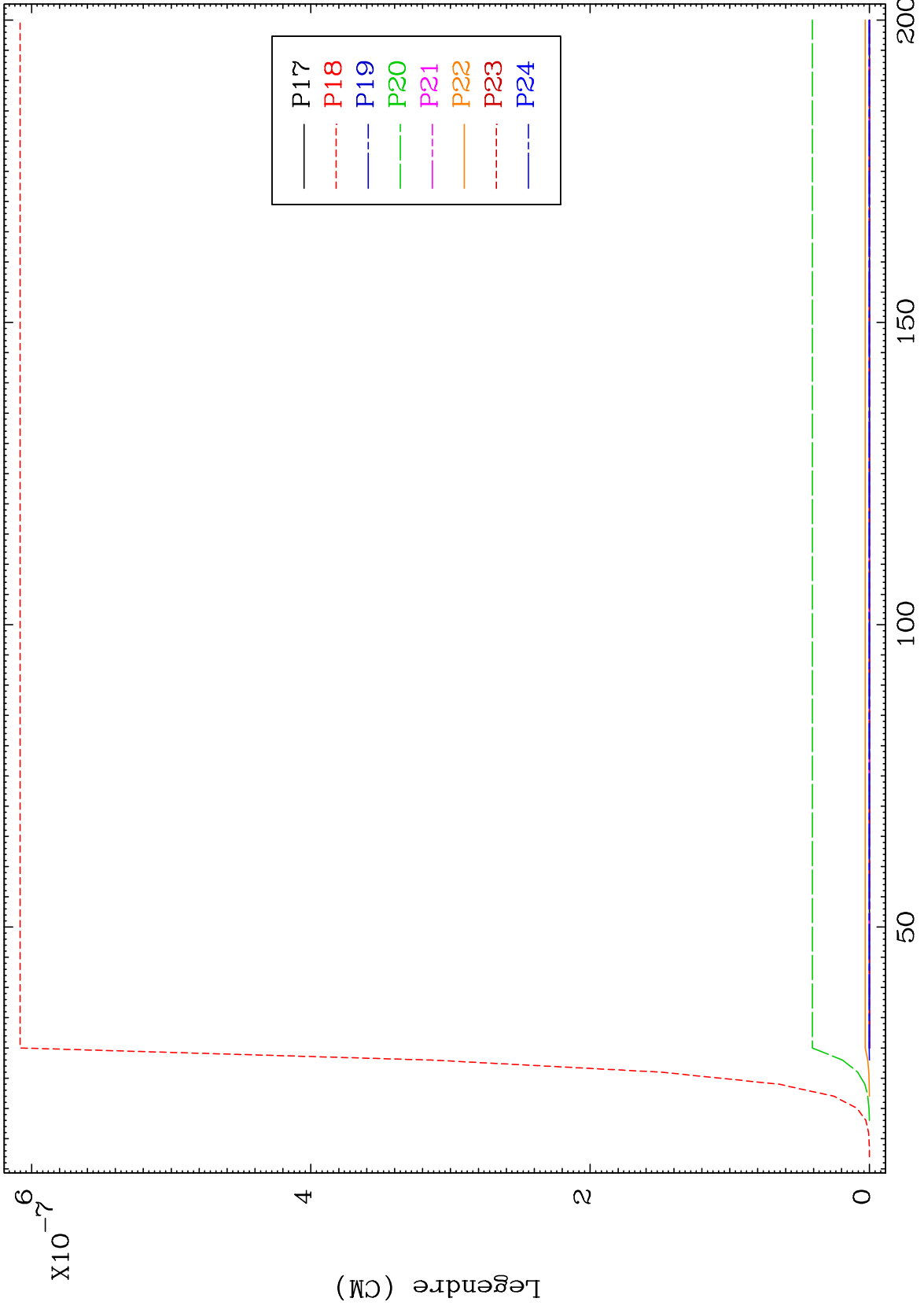
45

Incident Energy (MeV)

39-Y -84

MAT 3910 MT= 59 (n,n') Level Legendre Coefficients

39-Y -84

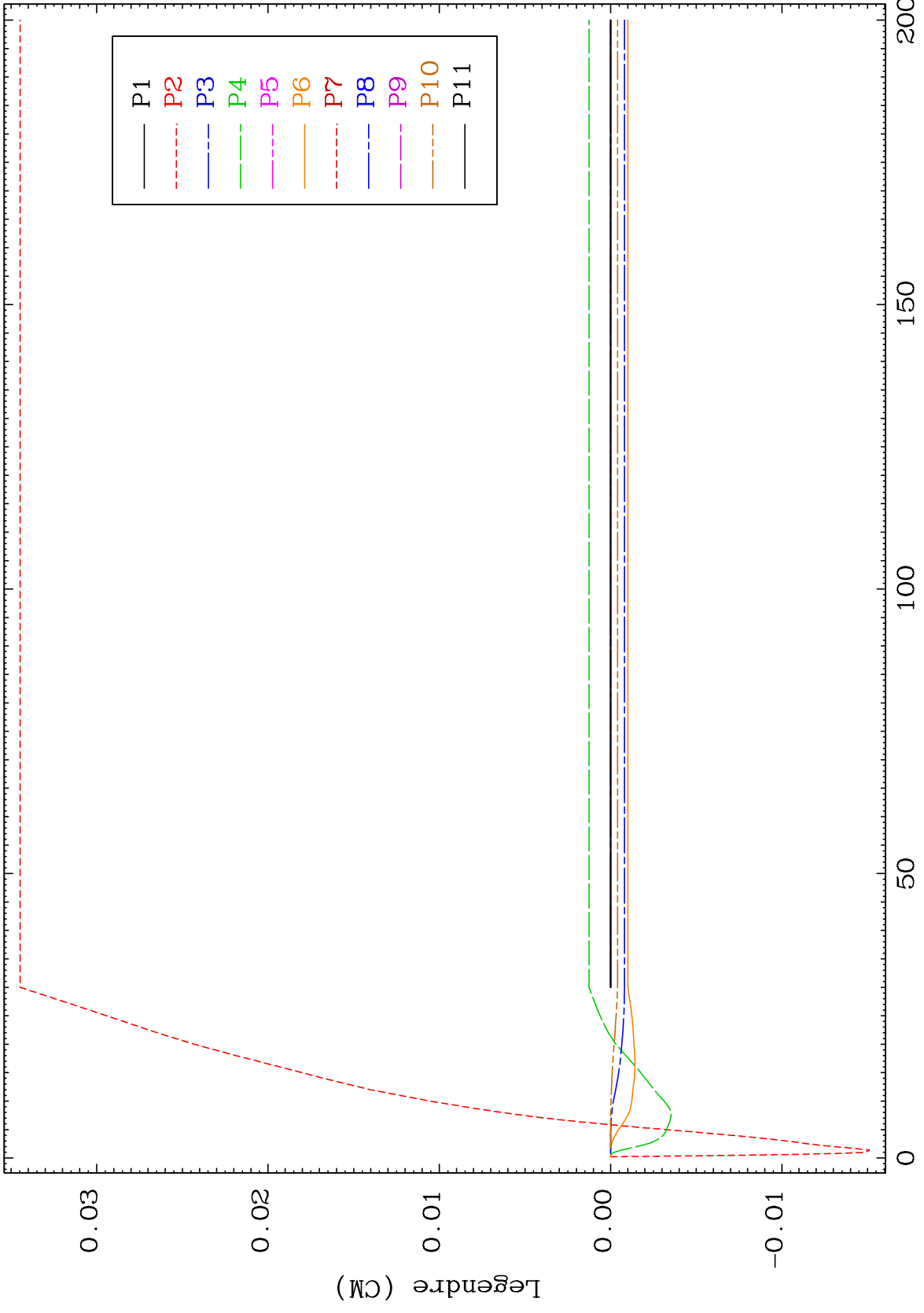


39-Y -84

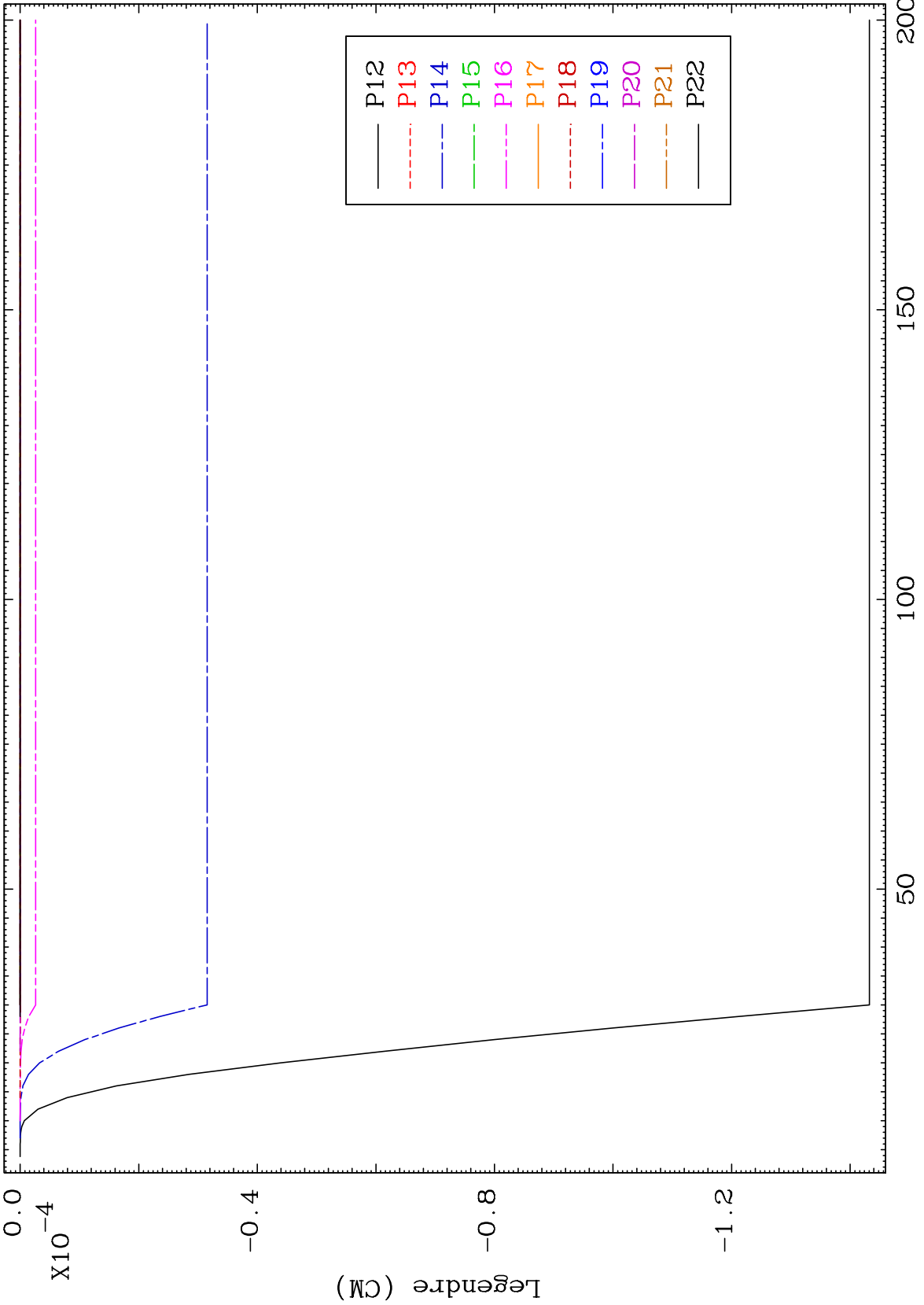
Incident Energy (MeV)

46

MAT 3910 MT= 60 (n,n') Level Legendre Coefficients 39-Y -84



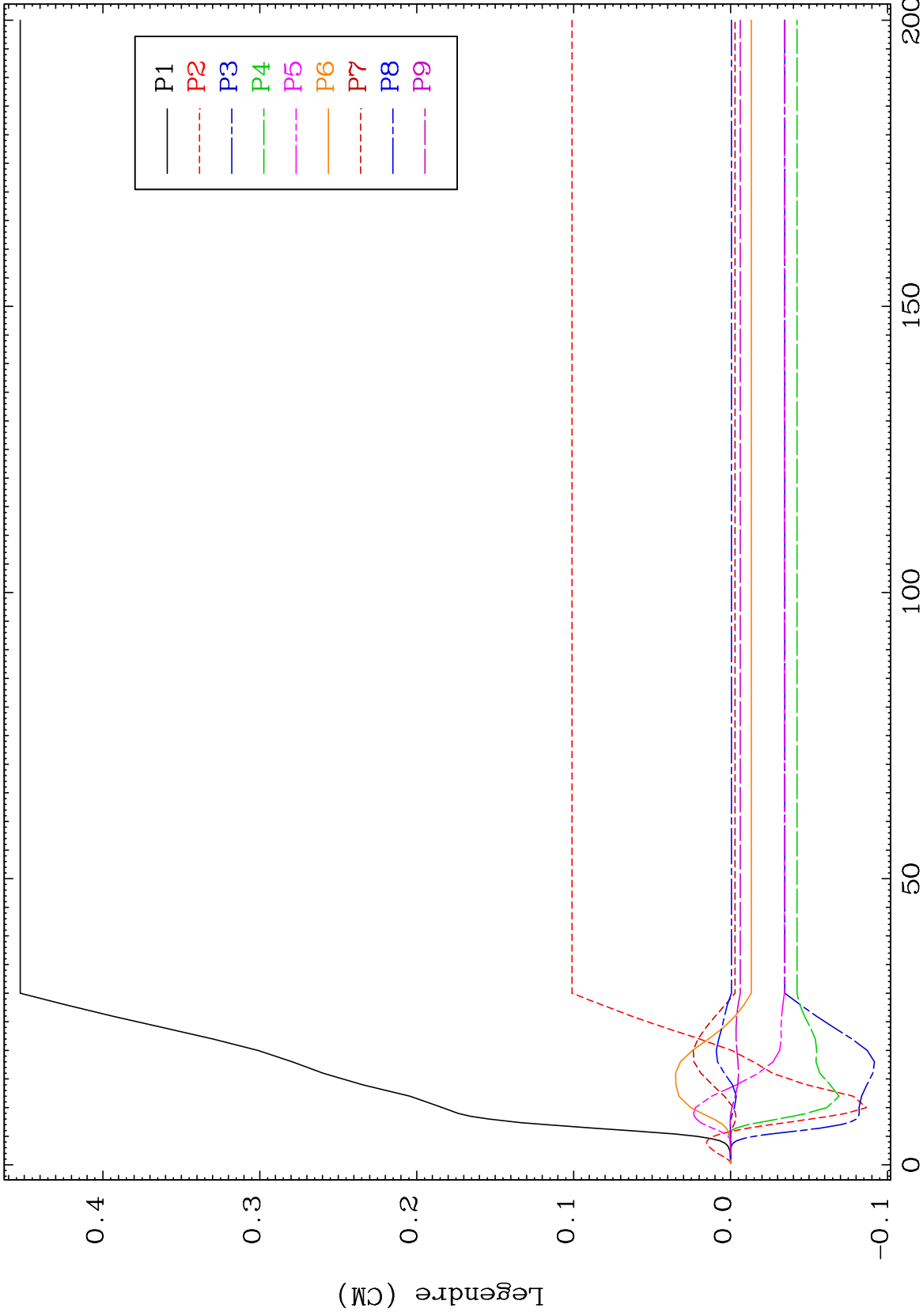
47 39-Y -84



MAT 3910

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

39-Y -84



49

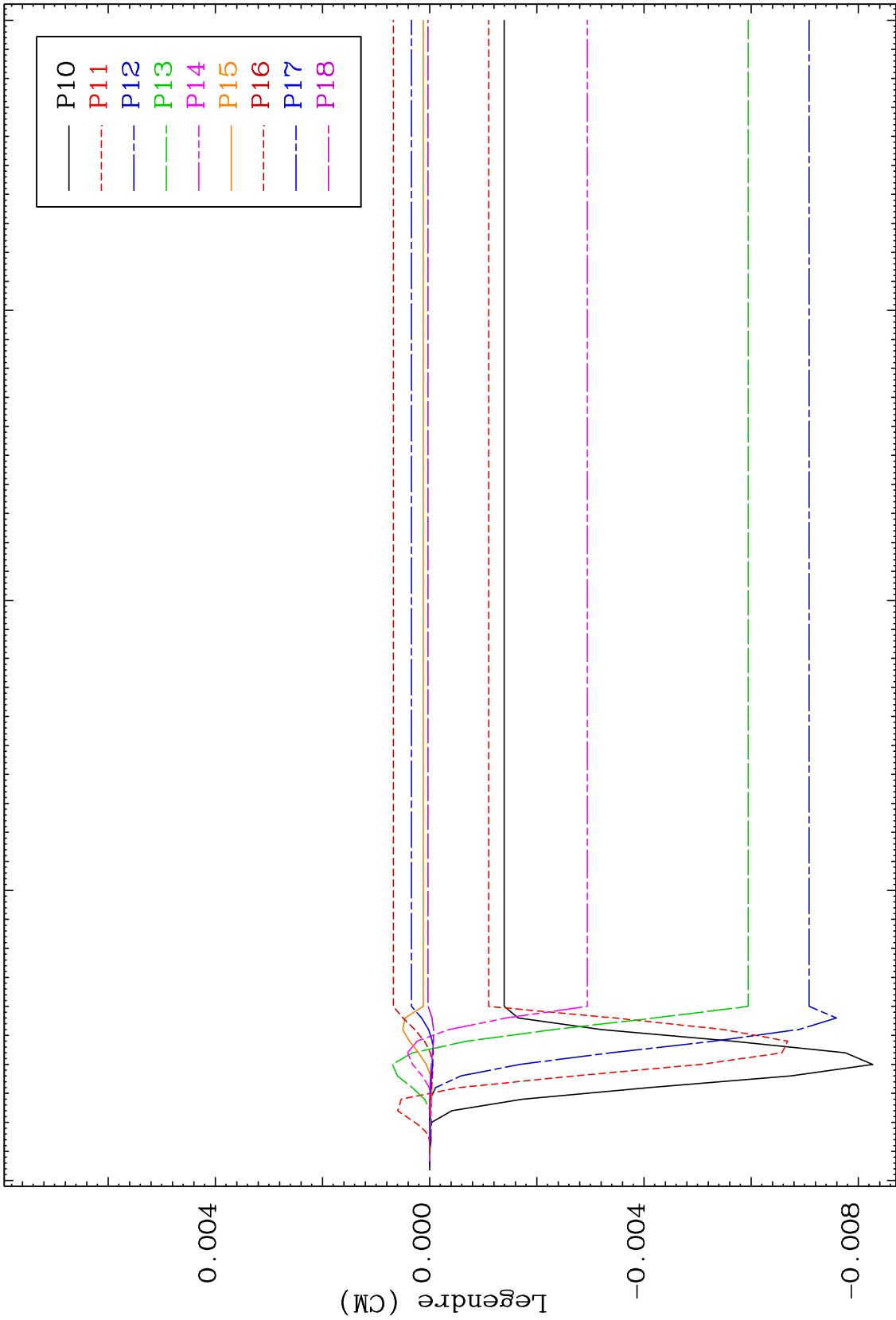
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84



0

50

100

150

200

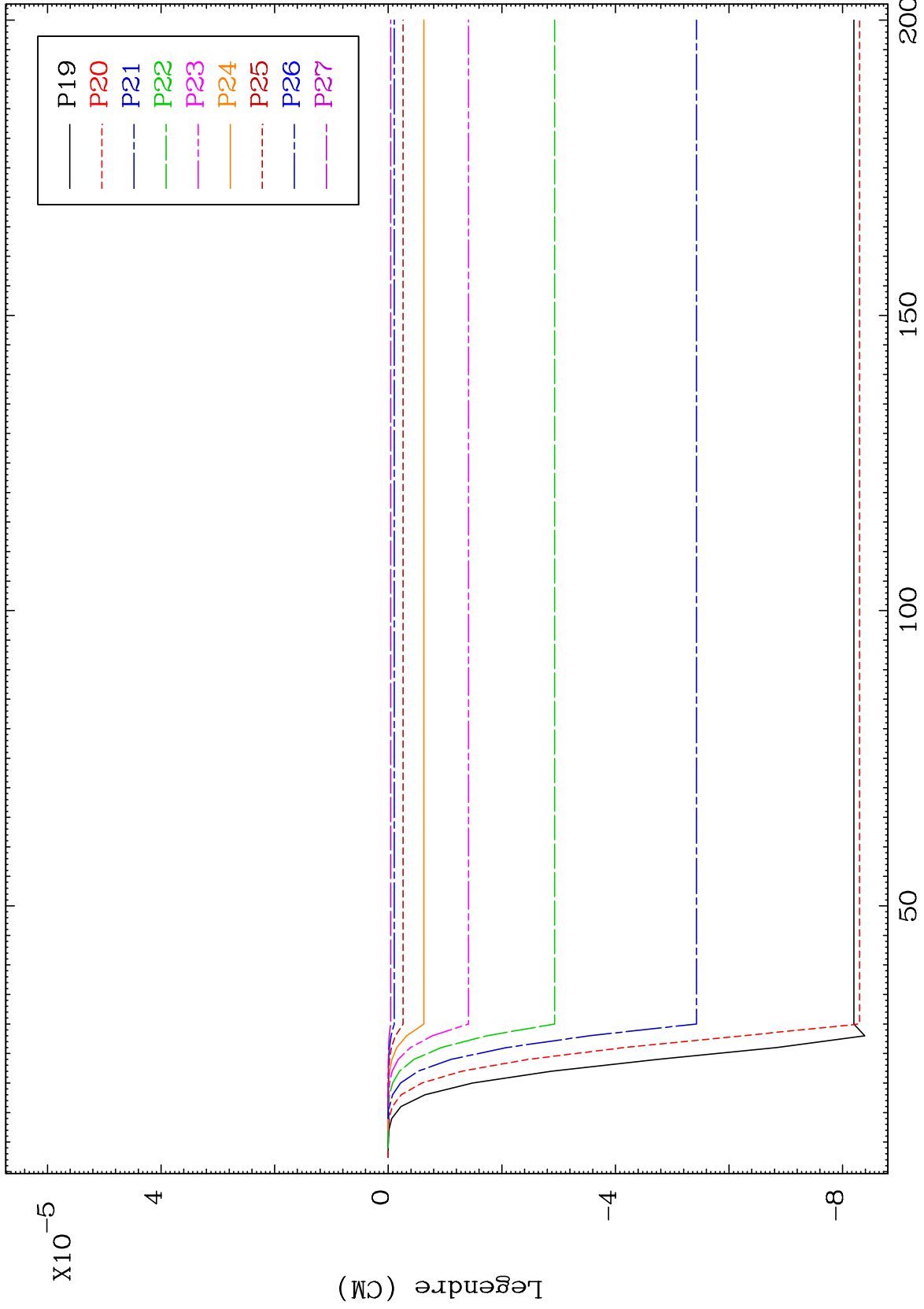
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84

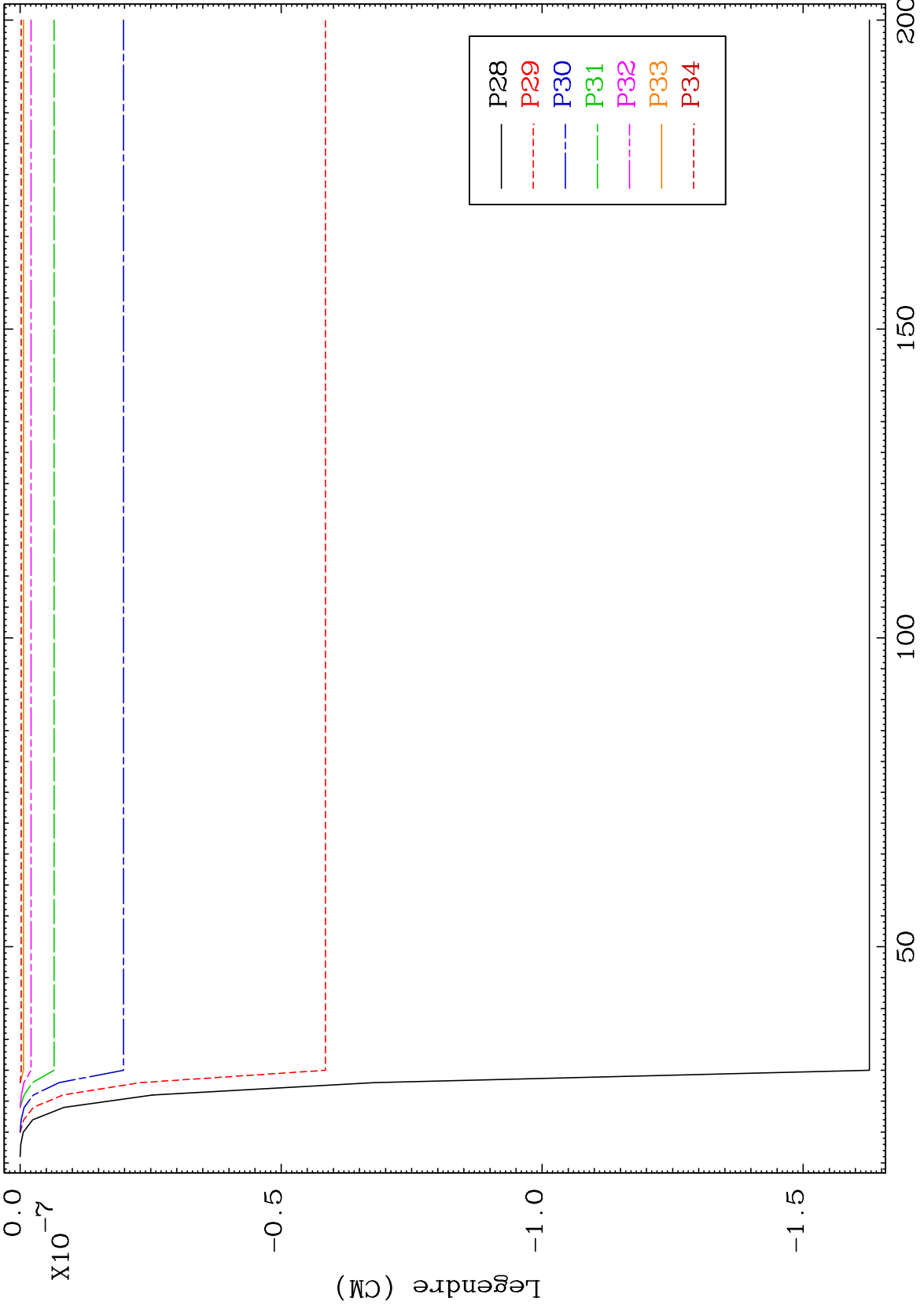


51

Incident Energy (MeV)

39-Y -84

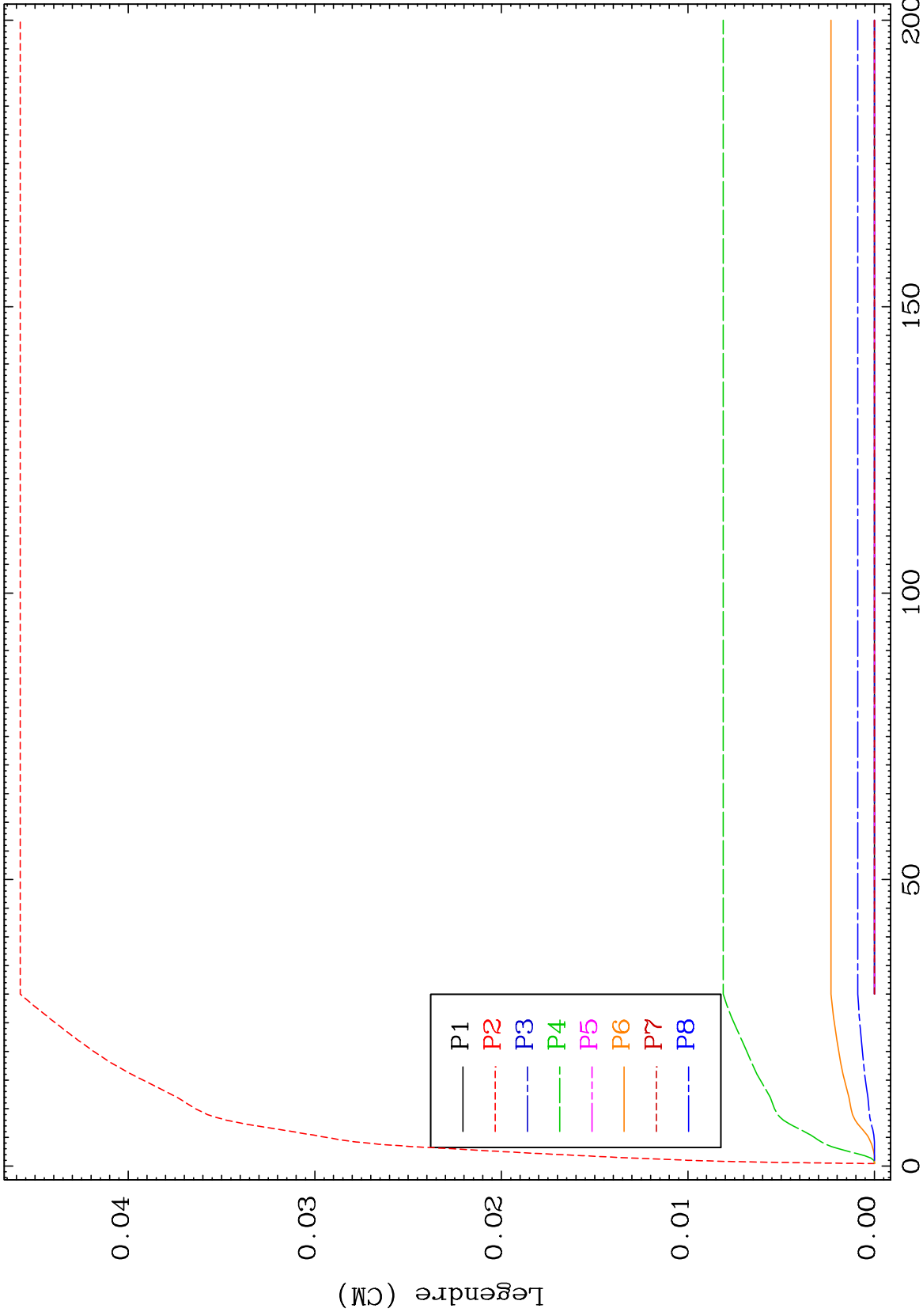
MAT 3910 MT= 61 (n,n') Level Legendre Coefficients 39-Y -84



MAT 3910

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

39-Y -84



53

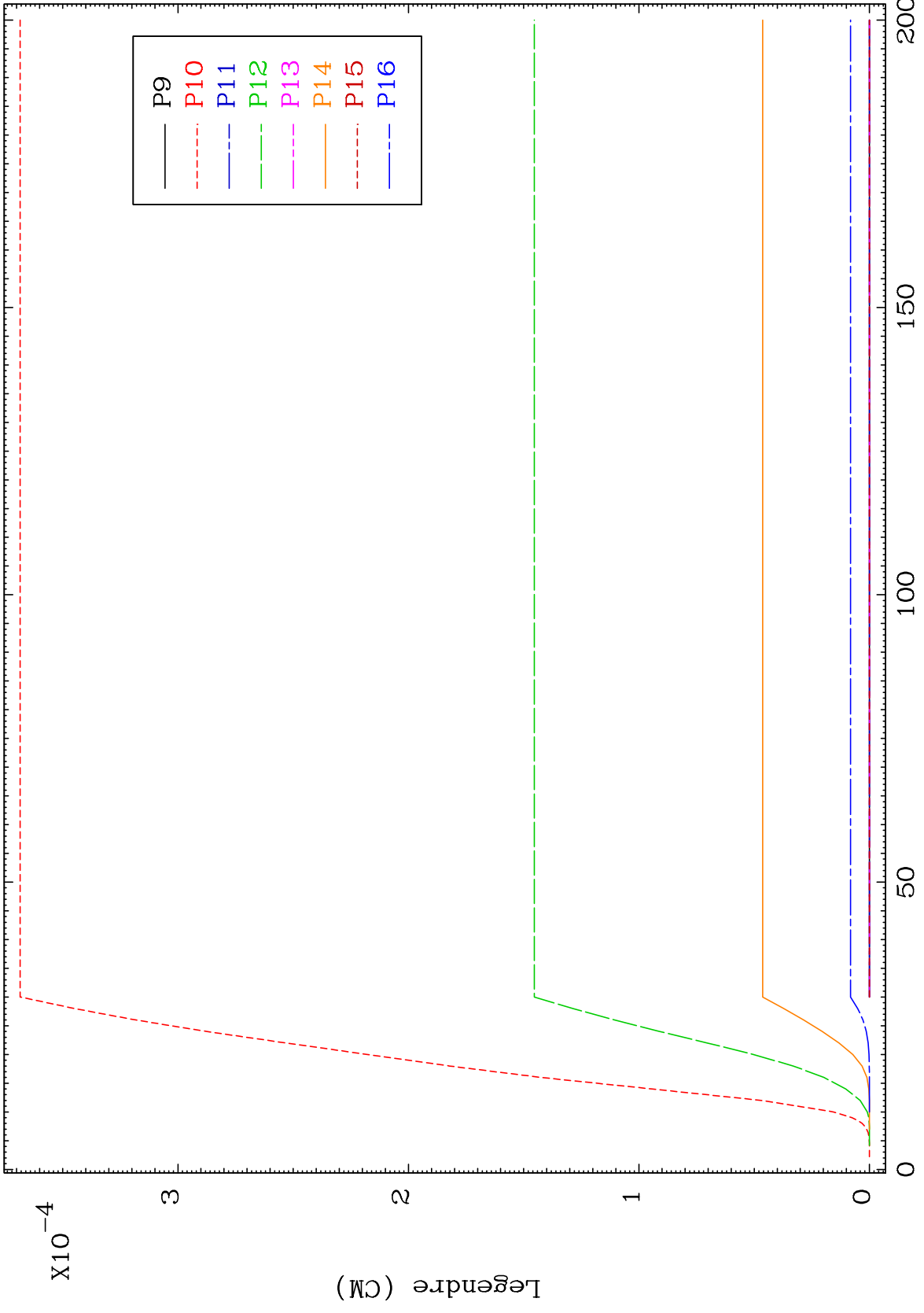
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84

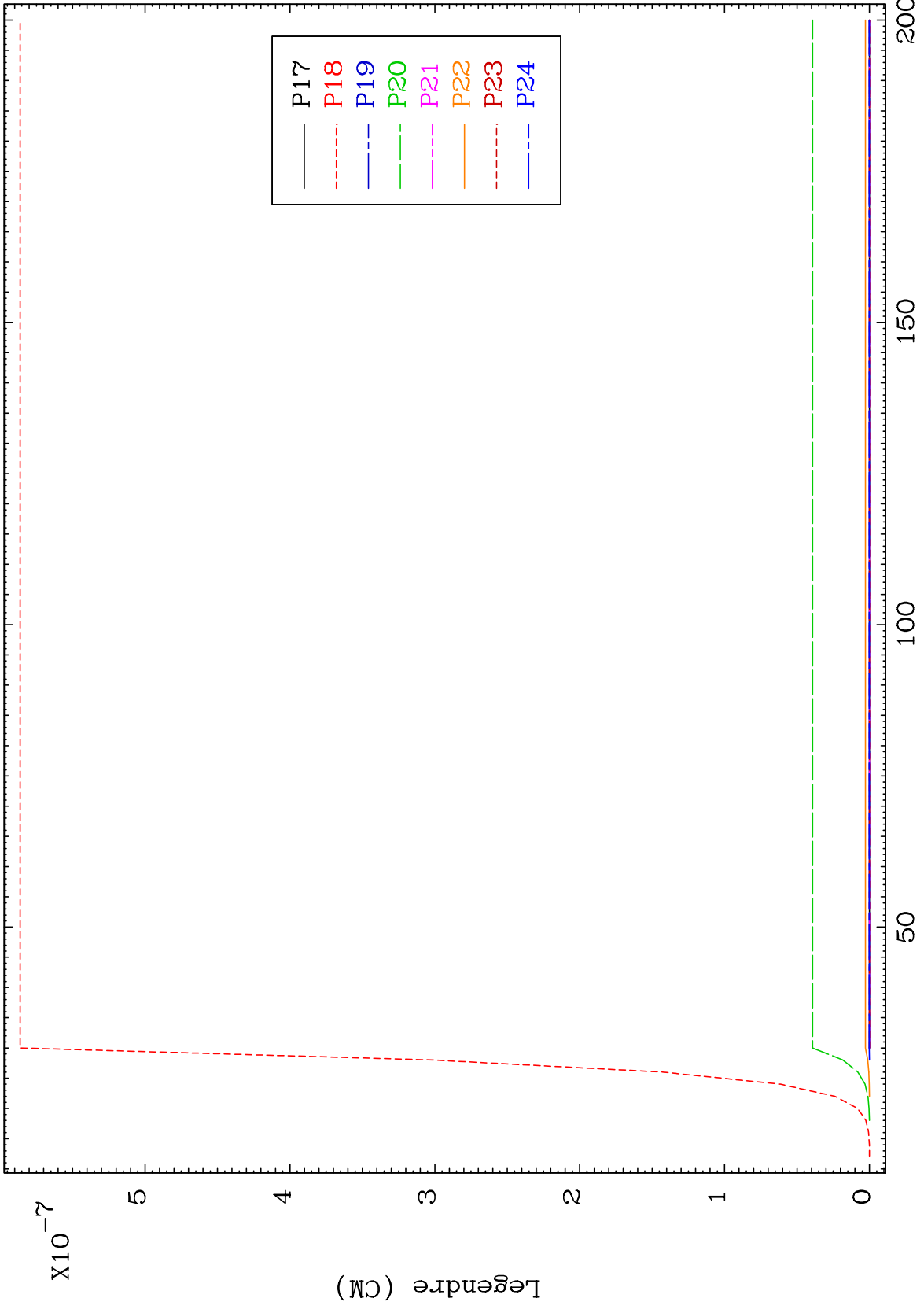


54

Incident Energy (MeV)

39-Y -84

MAT 3910 MT= 62 (n,n') Level Legendre Coefficients 39-Y -84

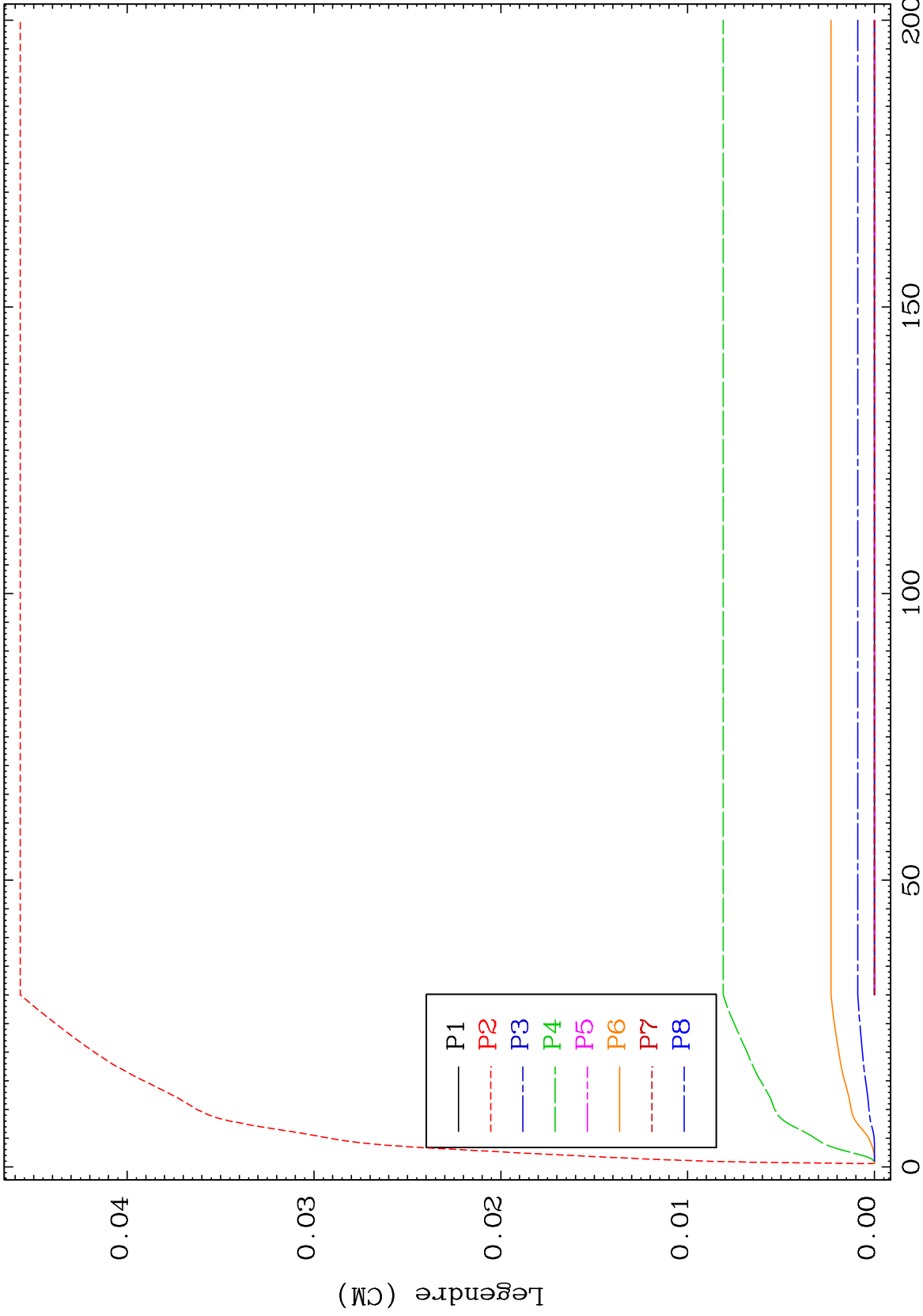


Incident Energy (MeV) 39-Y -84

MAT 3910

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

39-Y -84



56

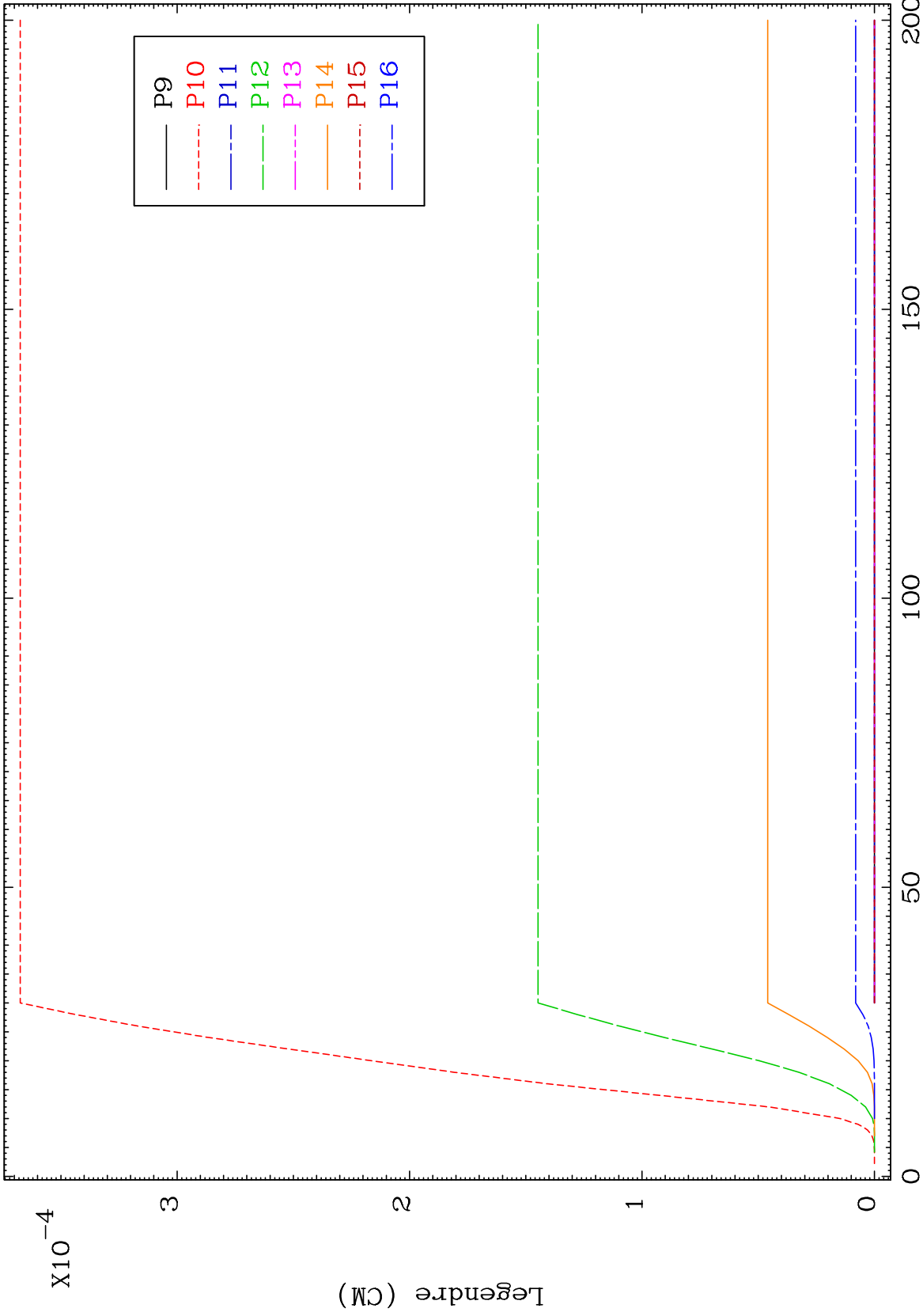
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84

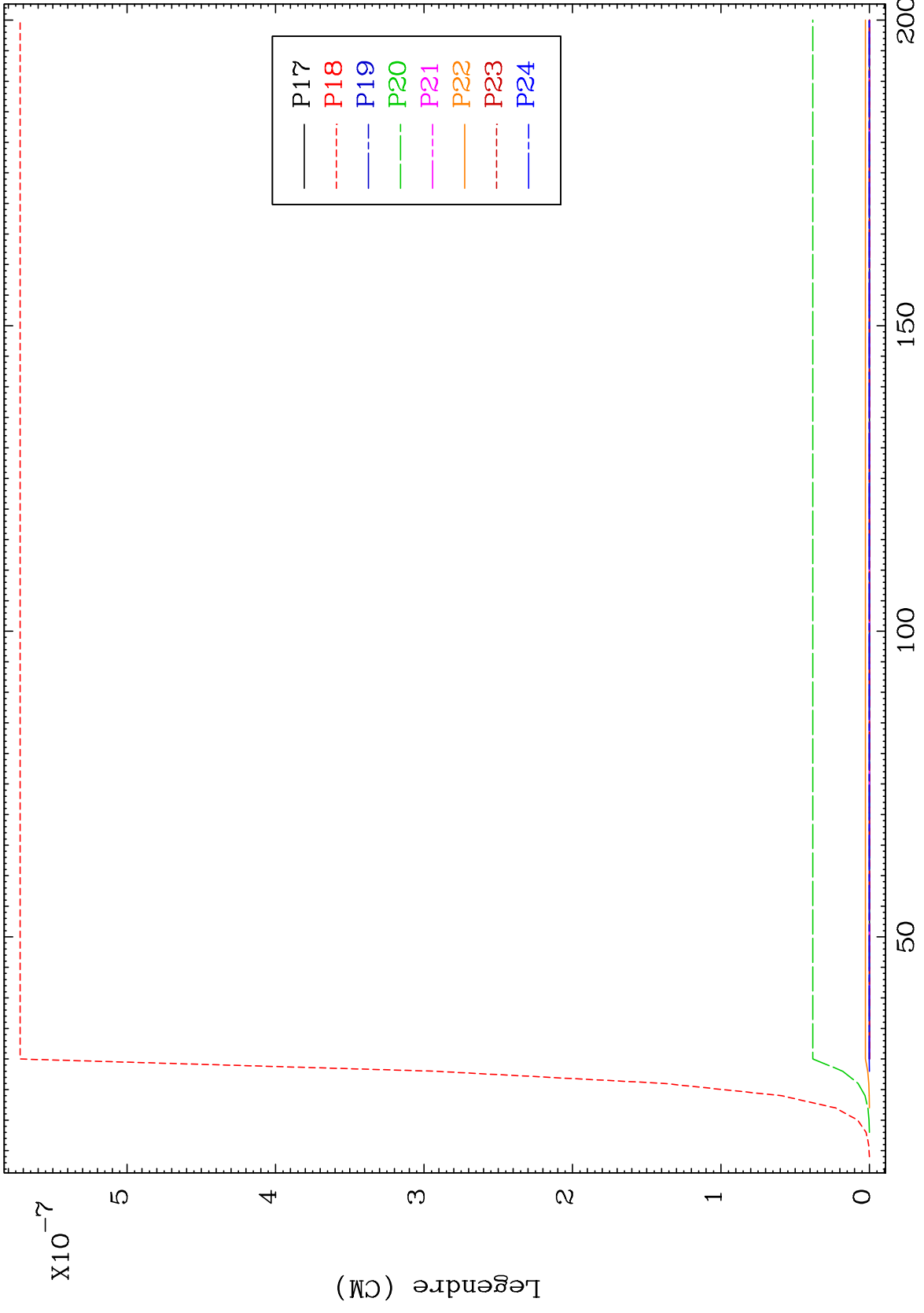


57

Incident Energy (MeV)

39-Y -84

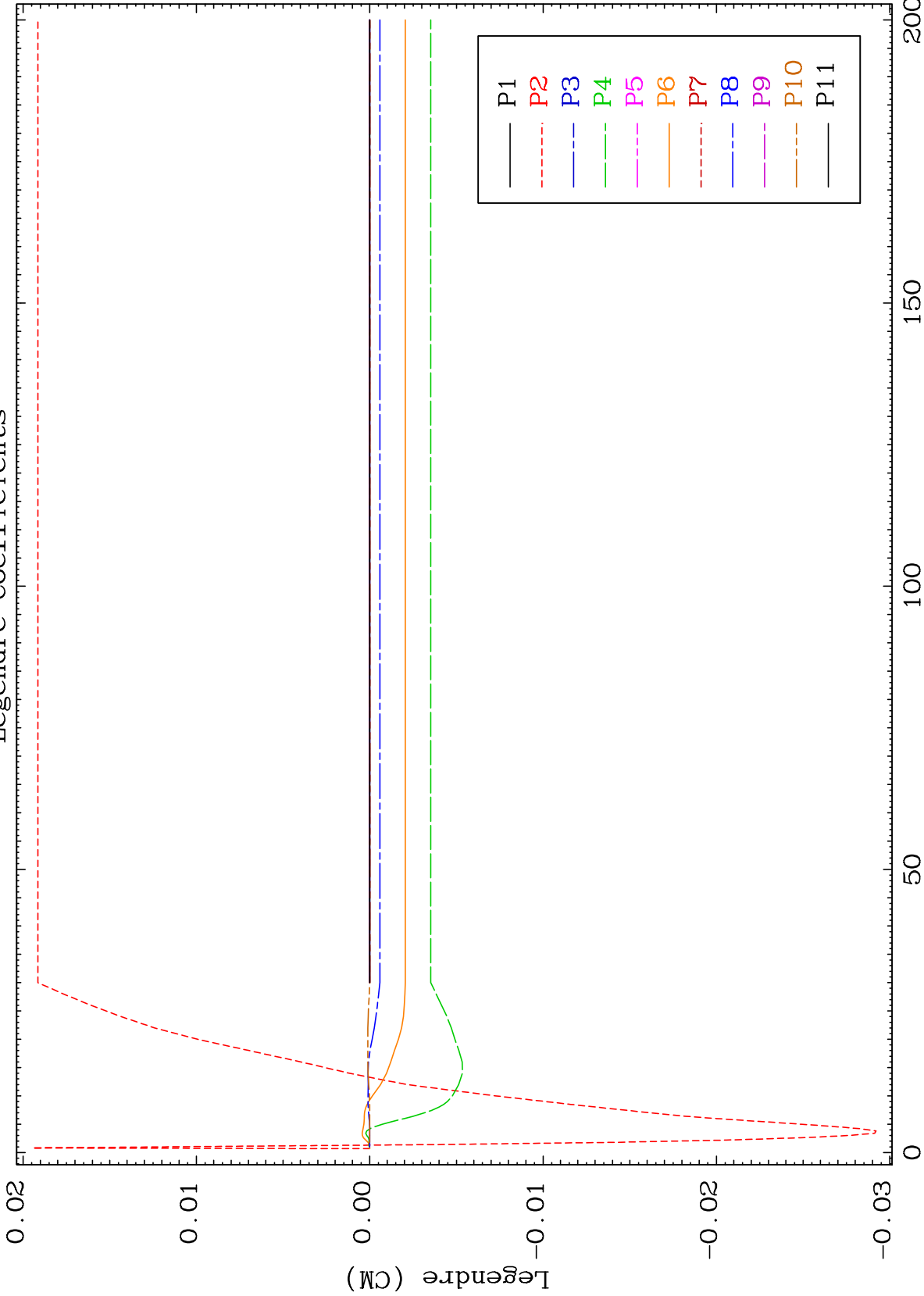
MAT 3910 MT= 63 (n,n') Level Legendre Coefficients 39-Y -84



58 Incident Energy (MeV) 39-Y -84

MAT 3910 MT= 64 (n,n') Level Legendre Coefficients

39-Y -84



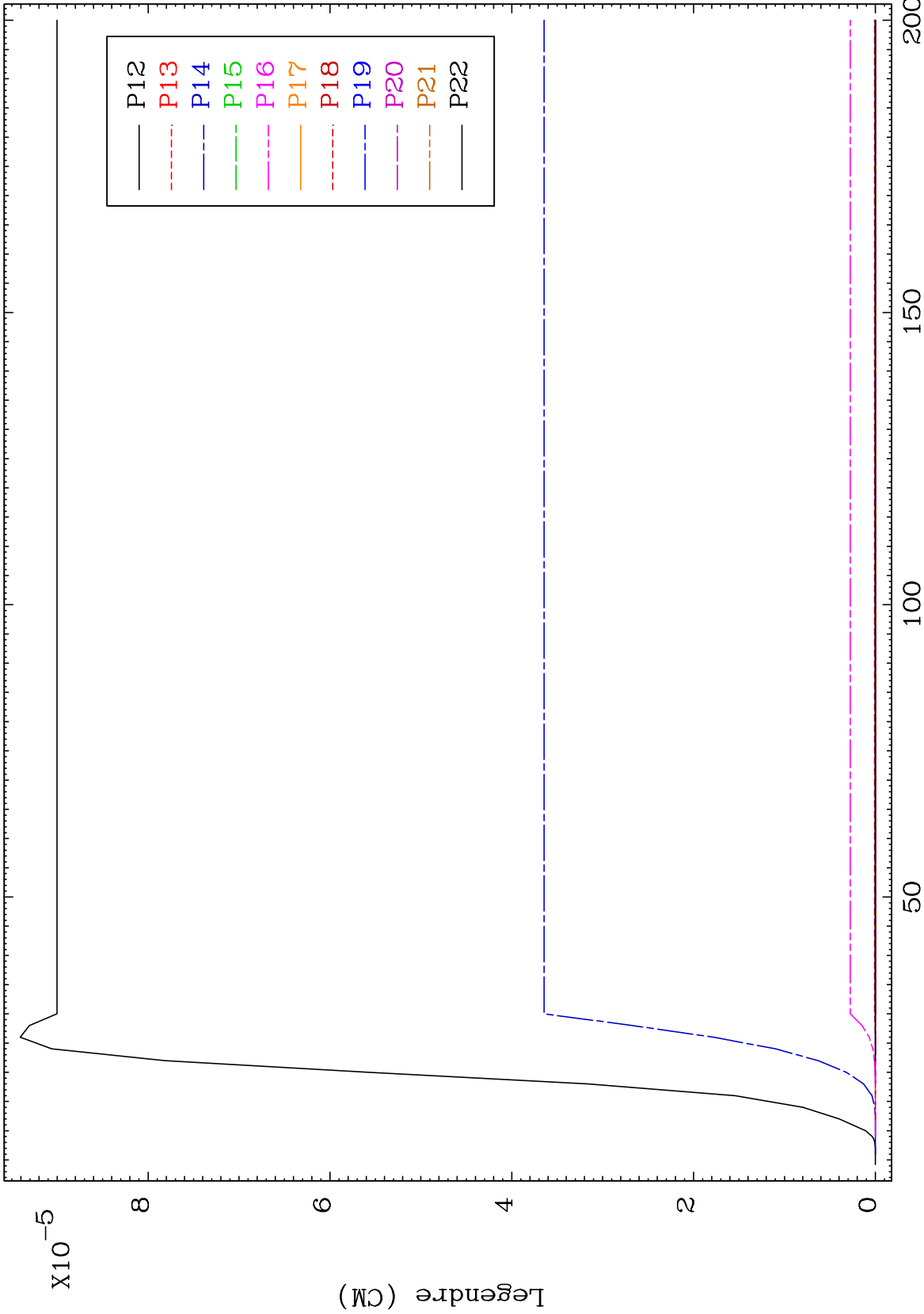
39-Y -84

59

MAT 3910

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

39-Y -84



60

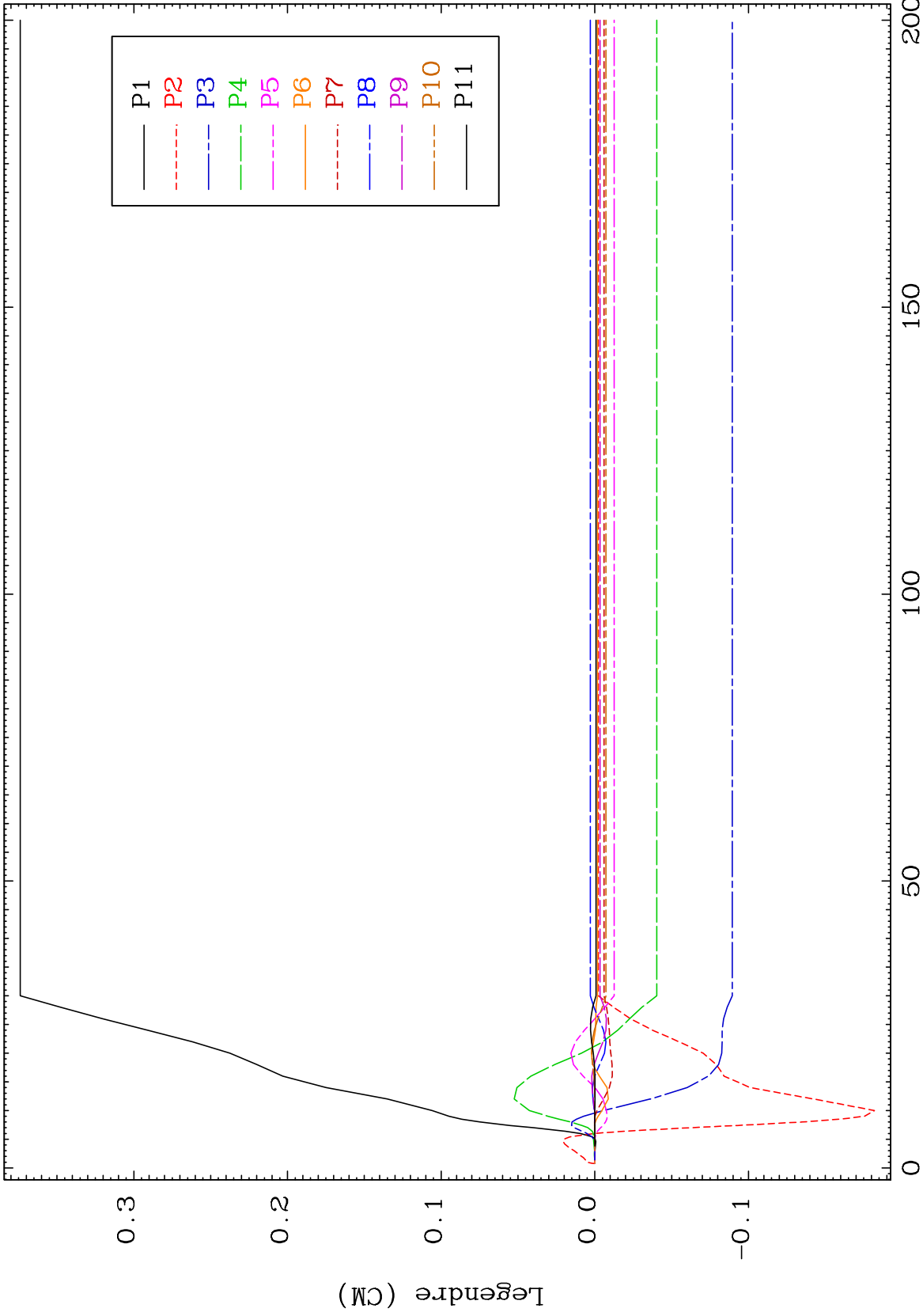
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84



61

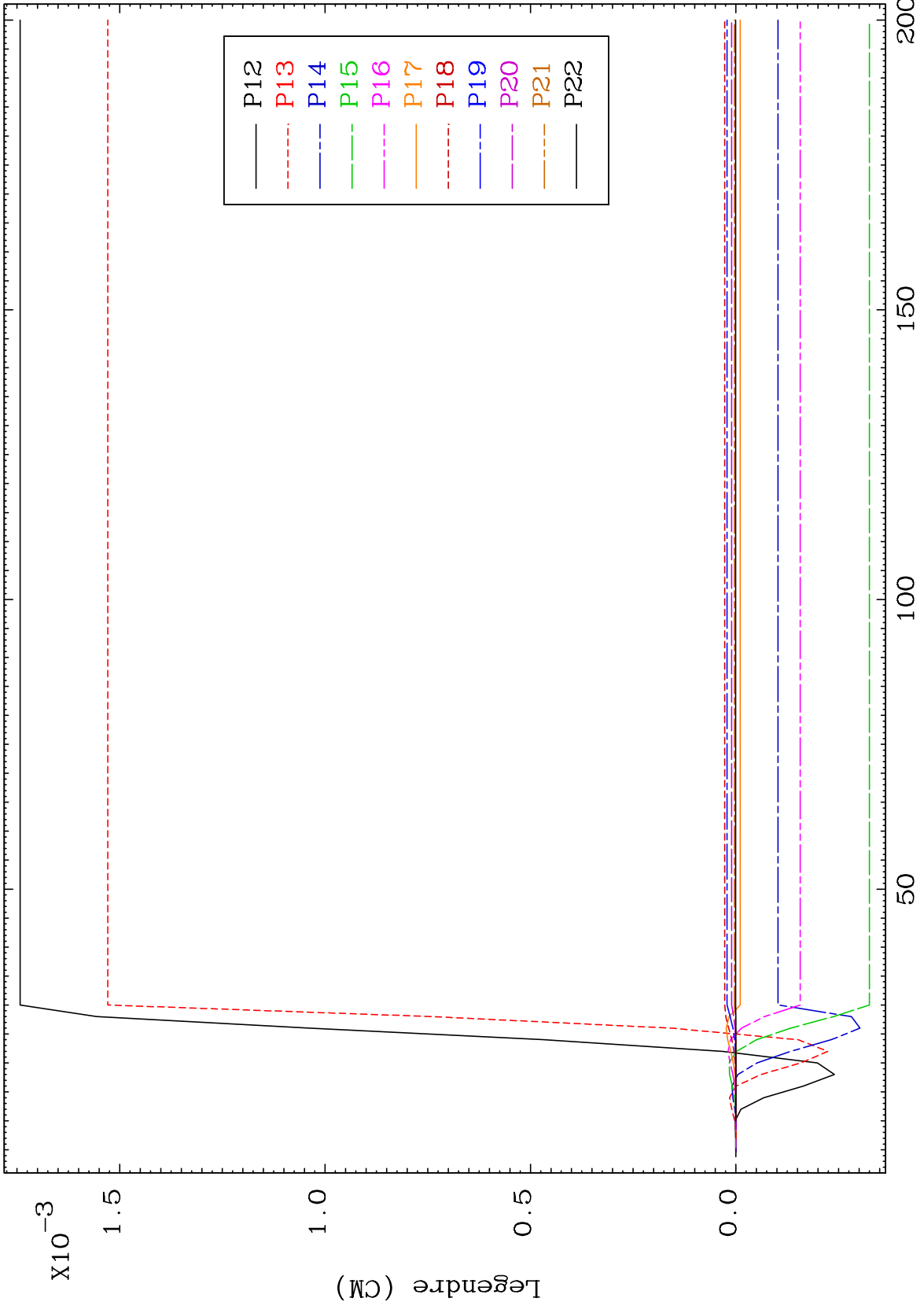
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84

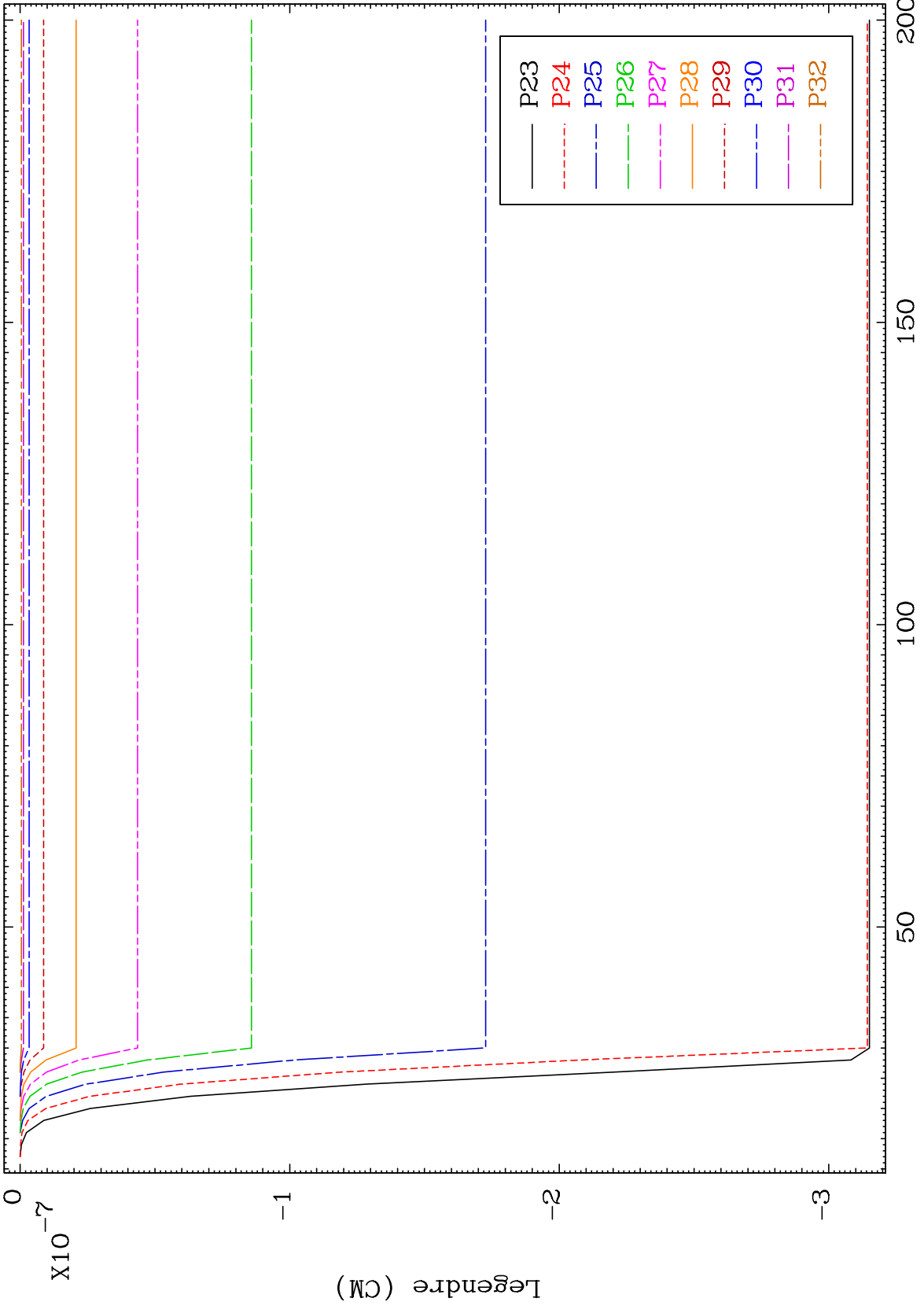


62

Incident Energy (MeV)

39-Y -84

MAT 3910 MT= 65 (n,n') Level Legendre Coefficients 39-Y -84

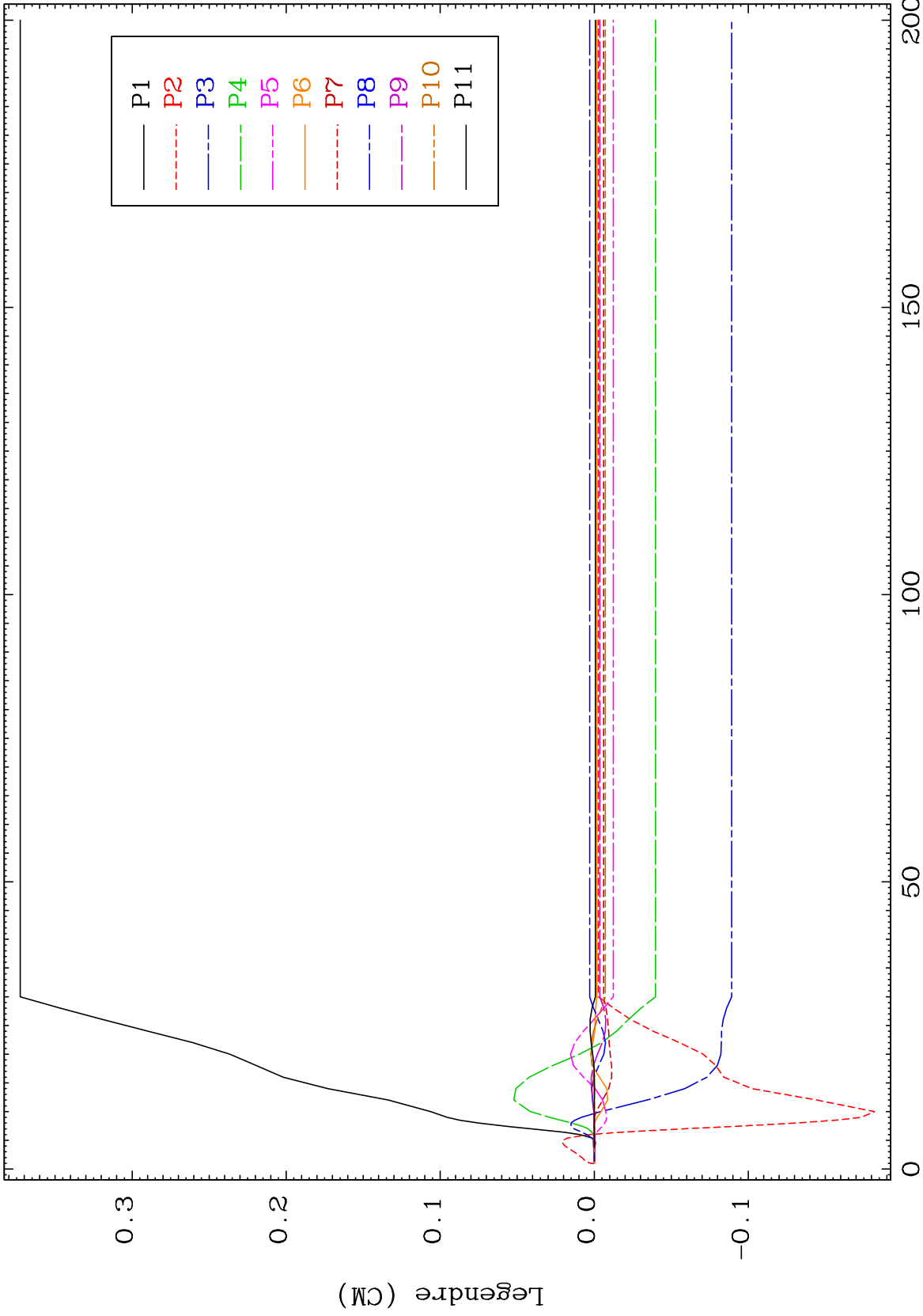


63 39-Y -84

MAT 3910

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

39-Y -84



64

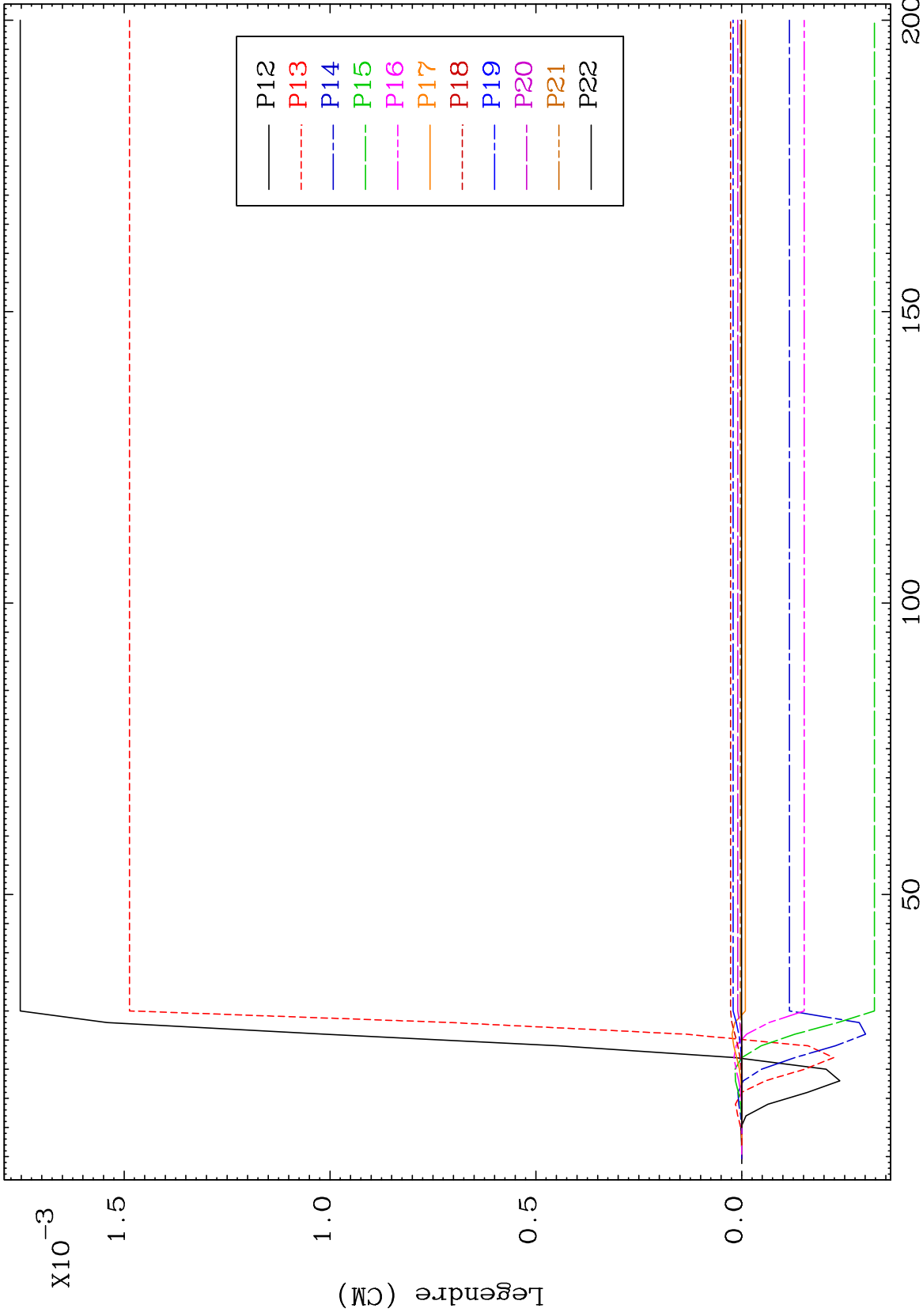
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84

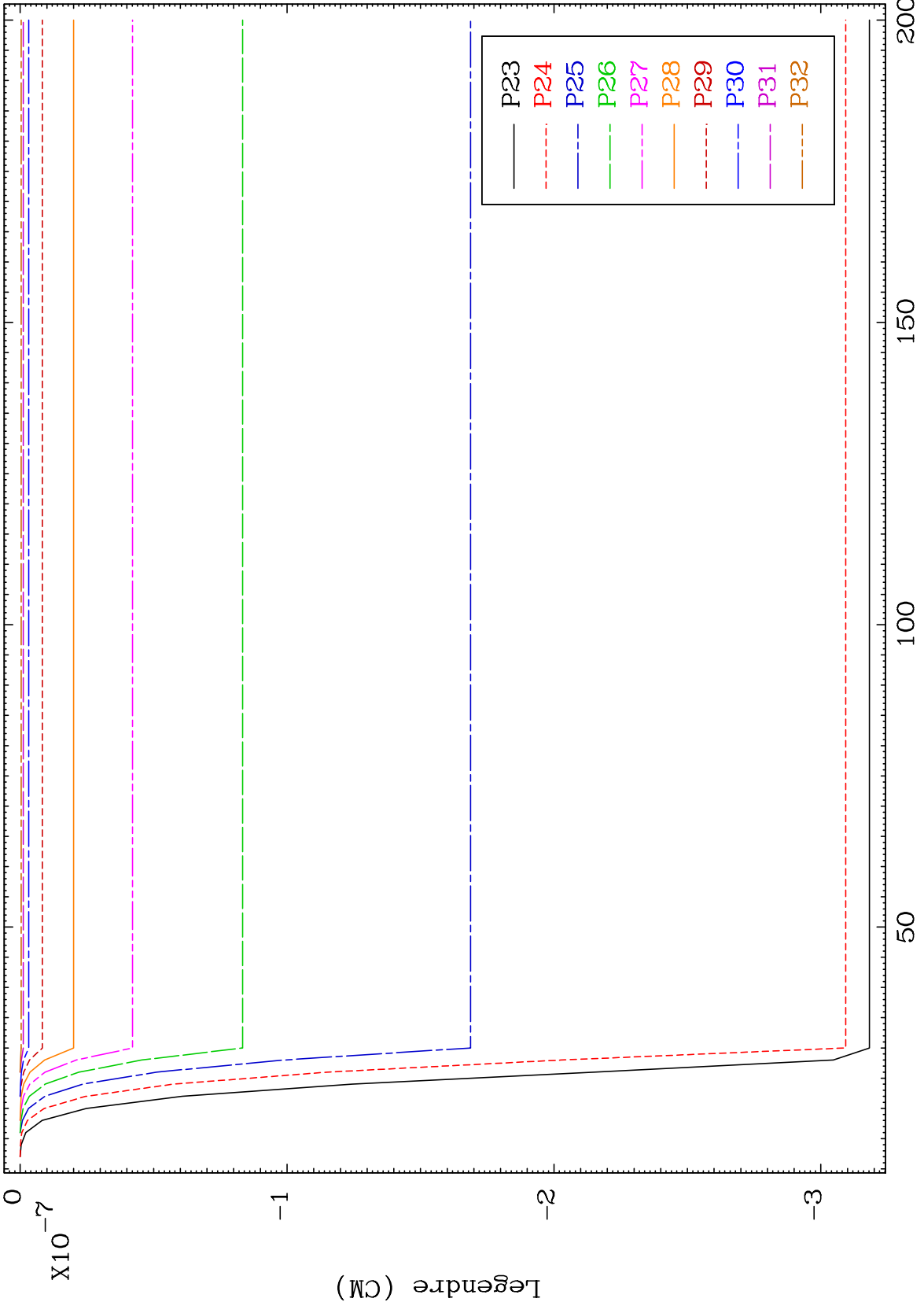


65

Incident Energy (MeV)

39-Y -84

MAT 3910 MT= 66 (n,n') Level Legendre Coefficients 39-Y -84

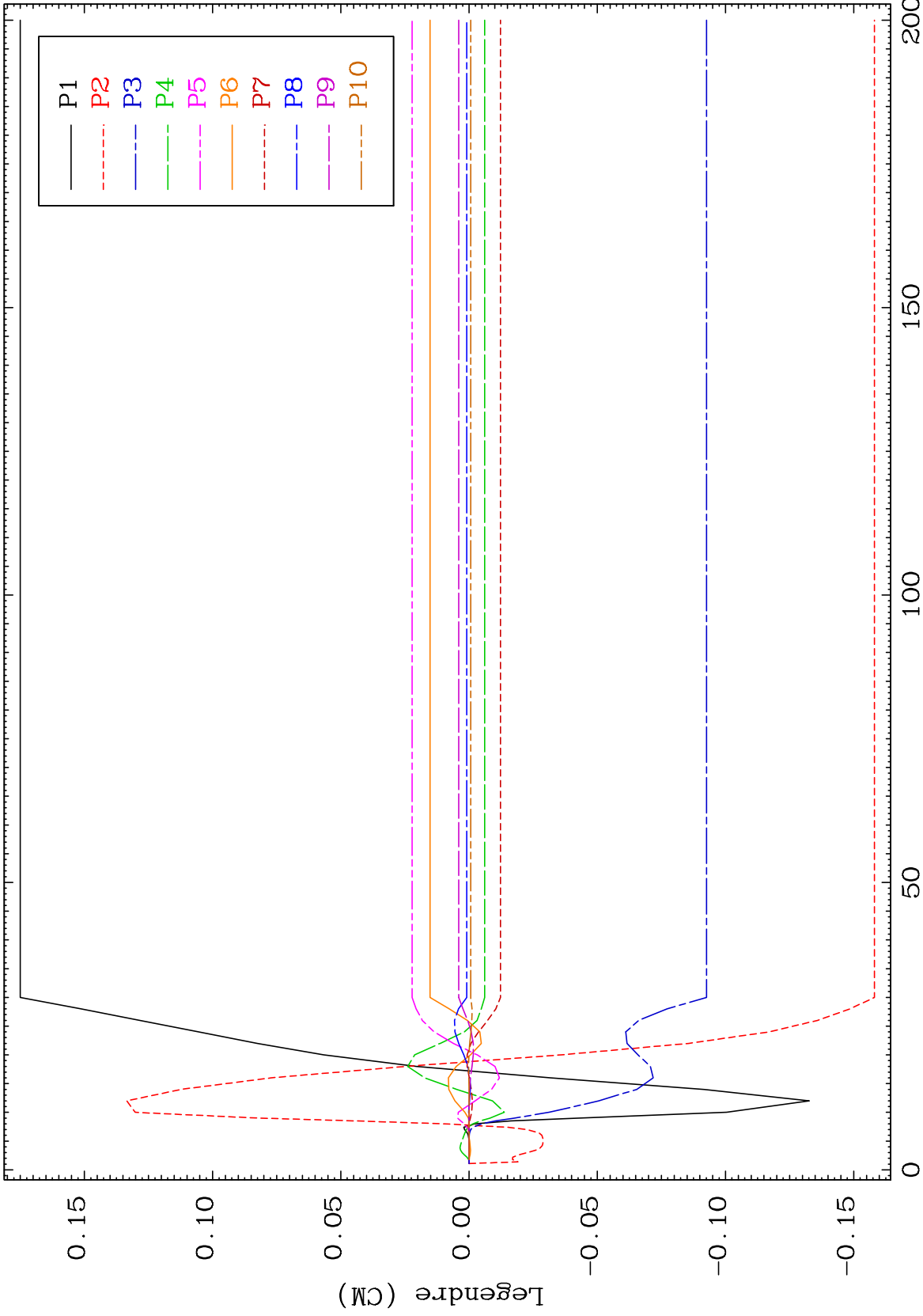


66 39-Y -84

MAT 3910

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

39-Y -84



67

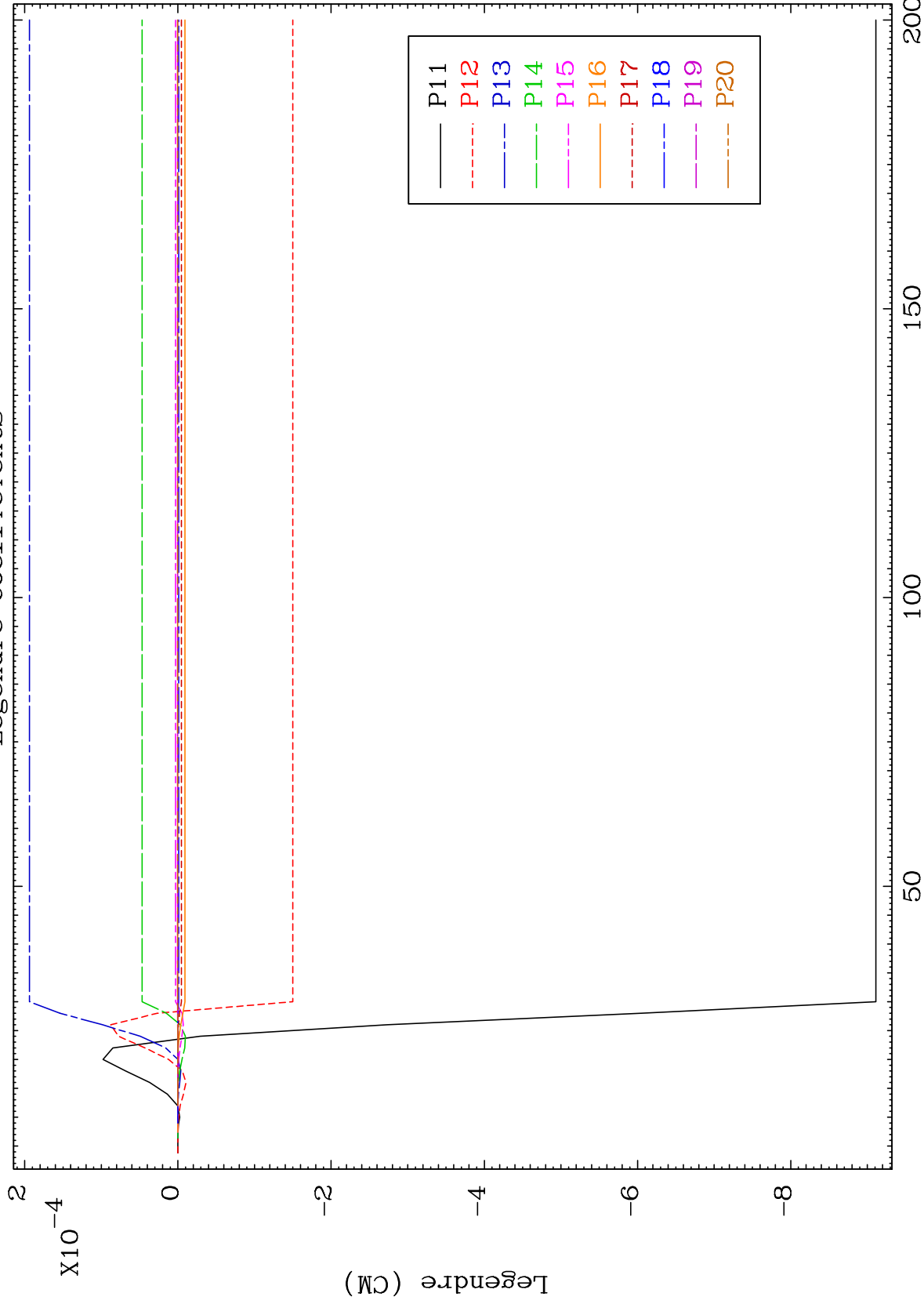
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84



68

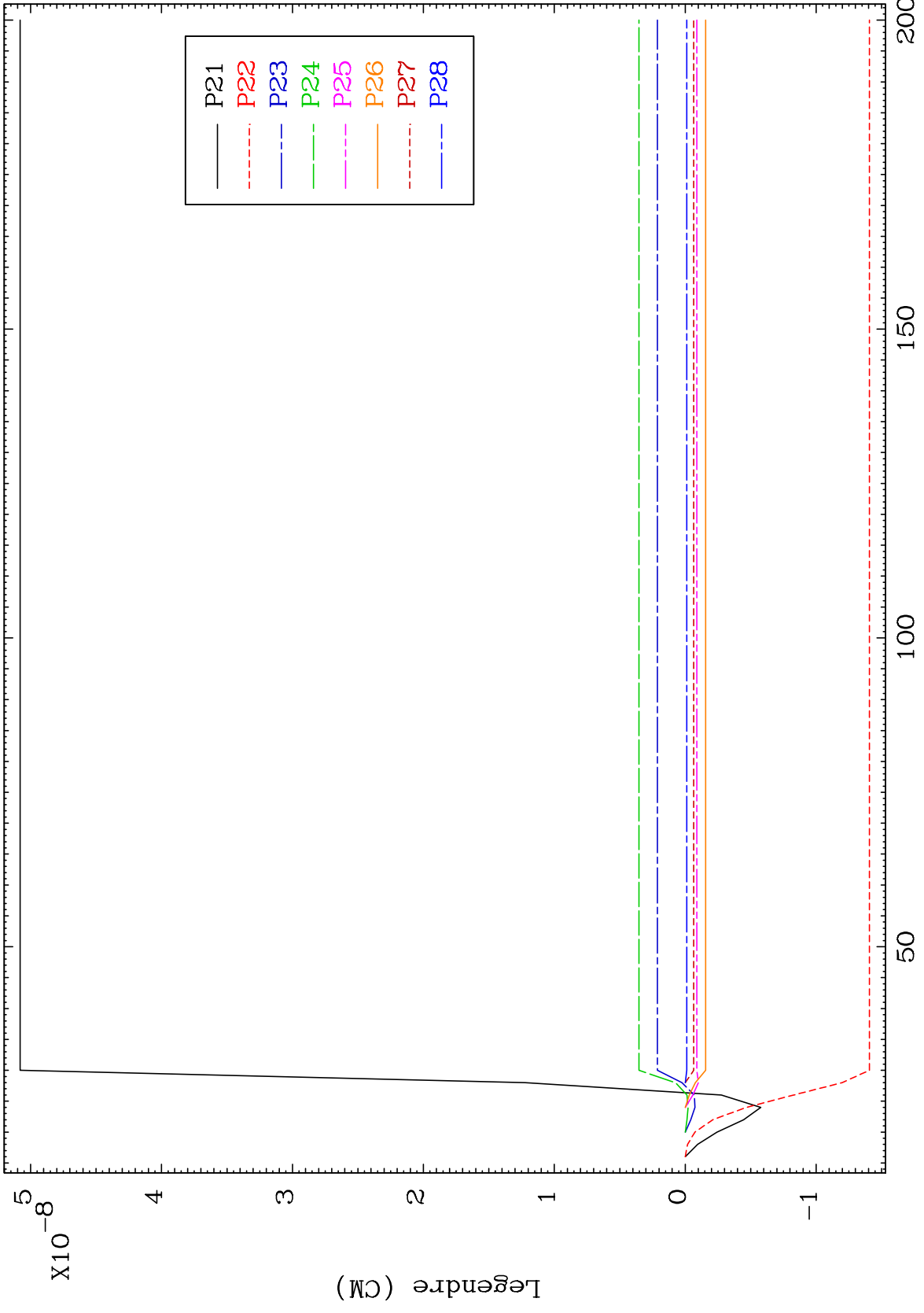
Incident Energy (MeV)

39-Y -84

MAT 3910

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

39-Y -84

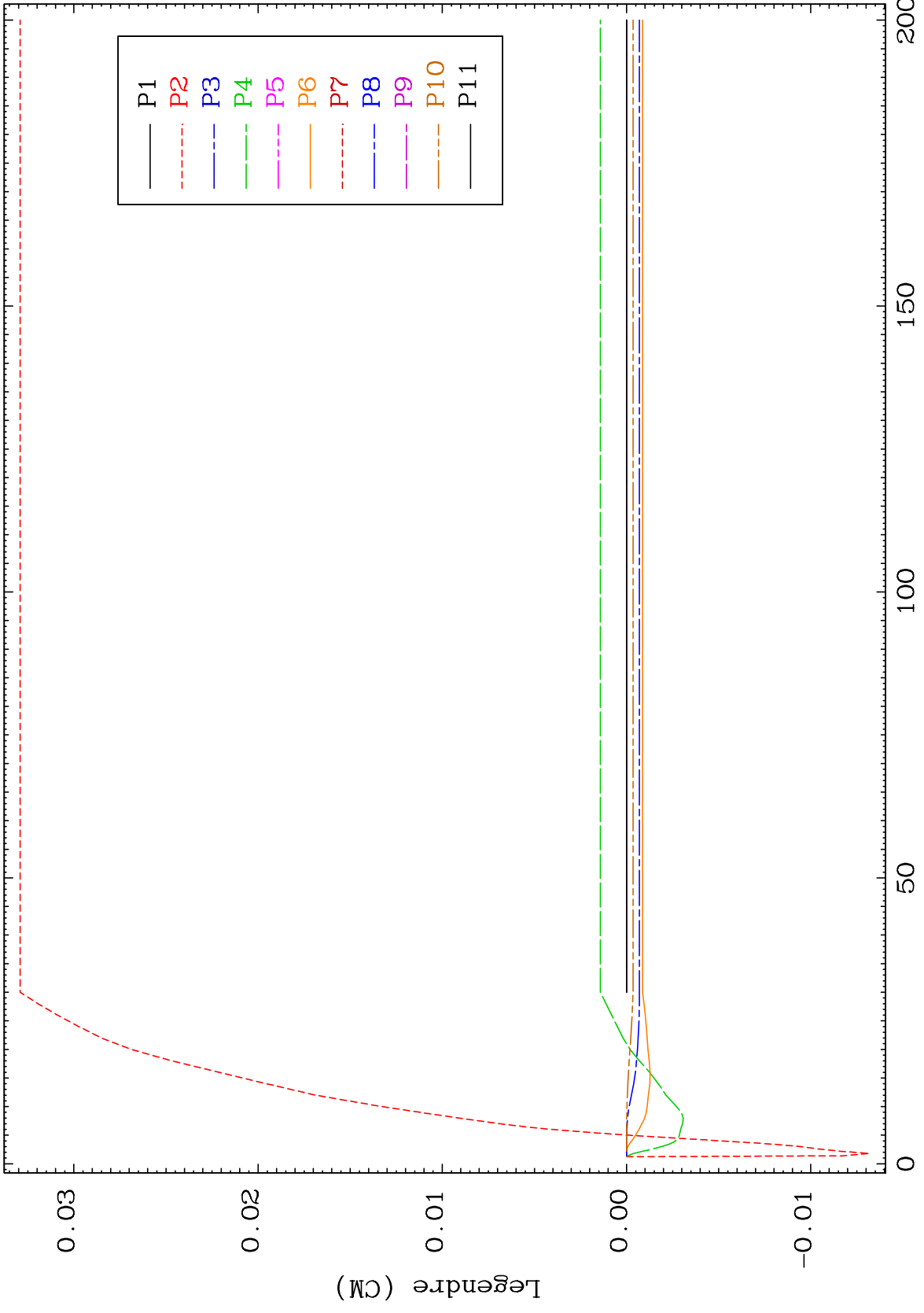


69

Incident Energy (MeV)

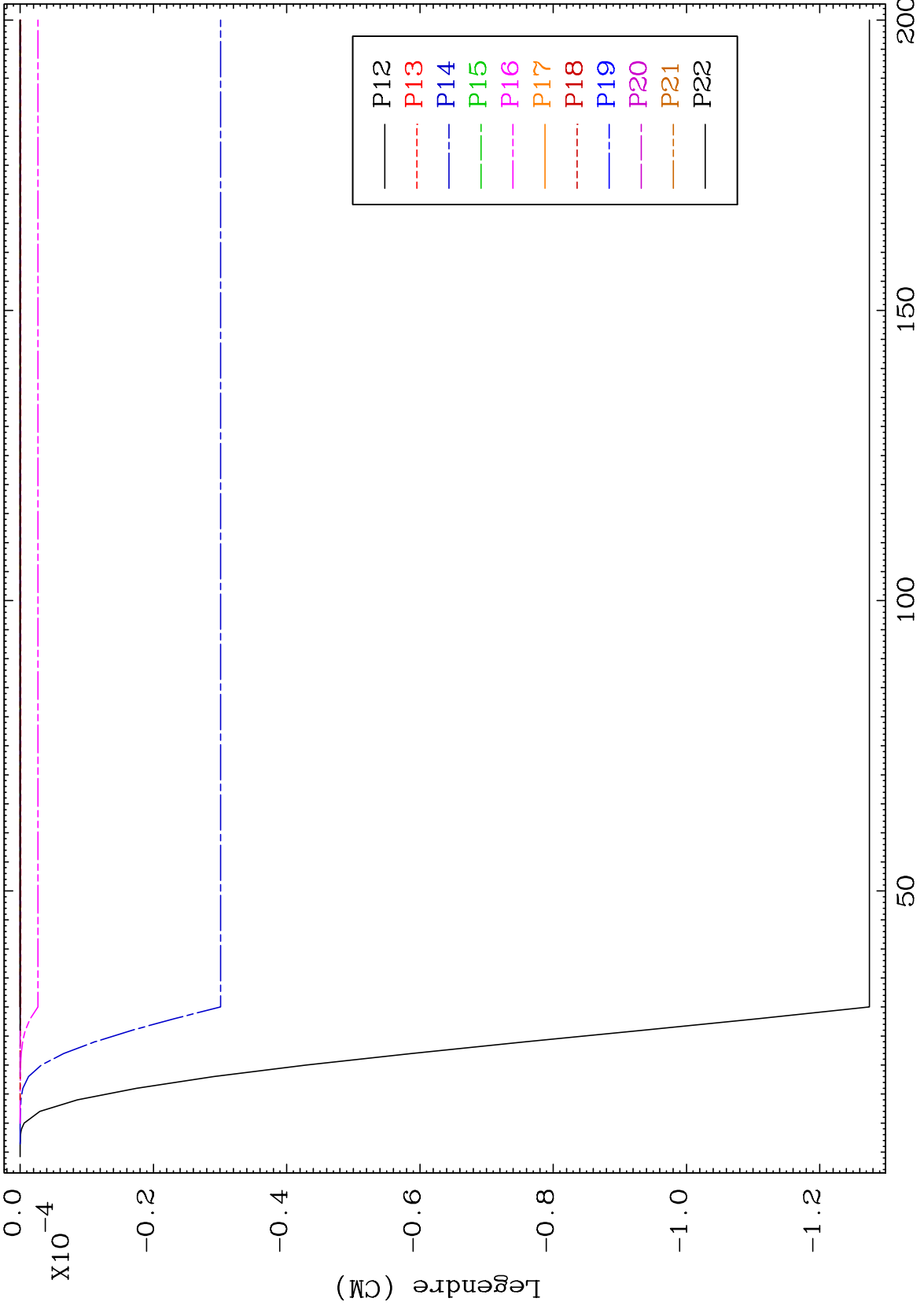
39-Y -84

MAT 3910 MT= 68 (n,n') Level Legendre Coefficients 39-Y -84



Incident Energy (MeV) 39-Y -84

MAT 3910 MT= 68 (n,n') Level Legendre Coefficients 39-Y -84

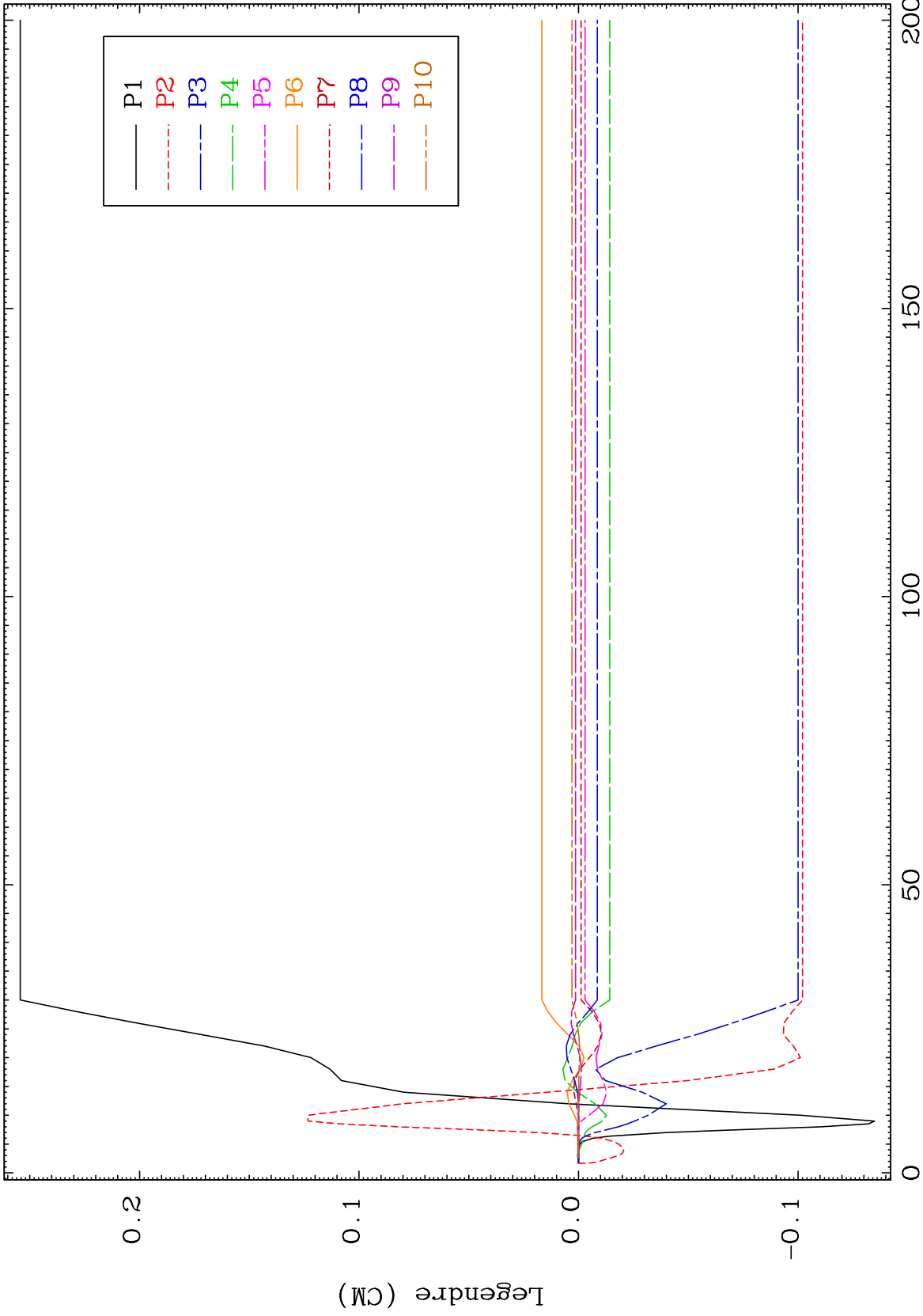


71 Incident Energy (MeV) 39-Y -84

MAT 3910

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

39-Y -84

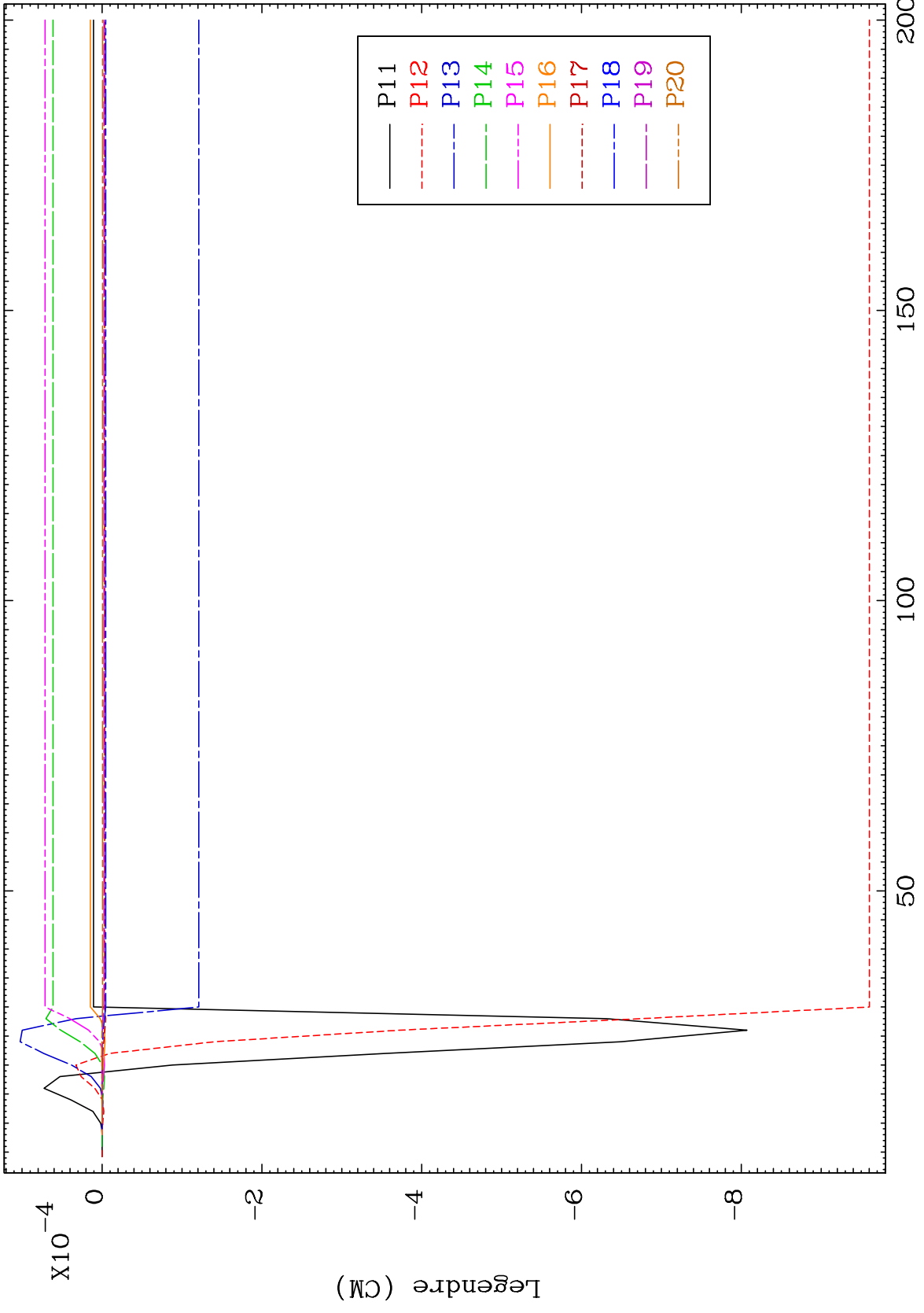


72

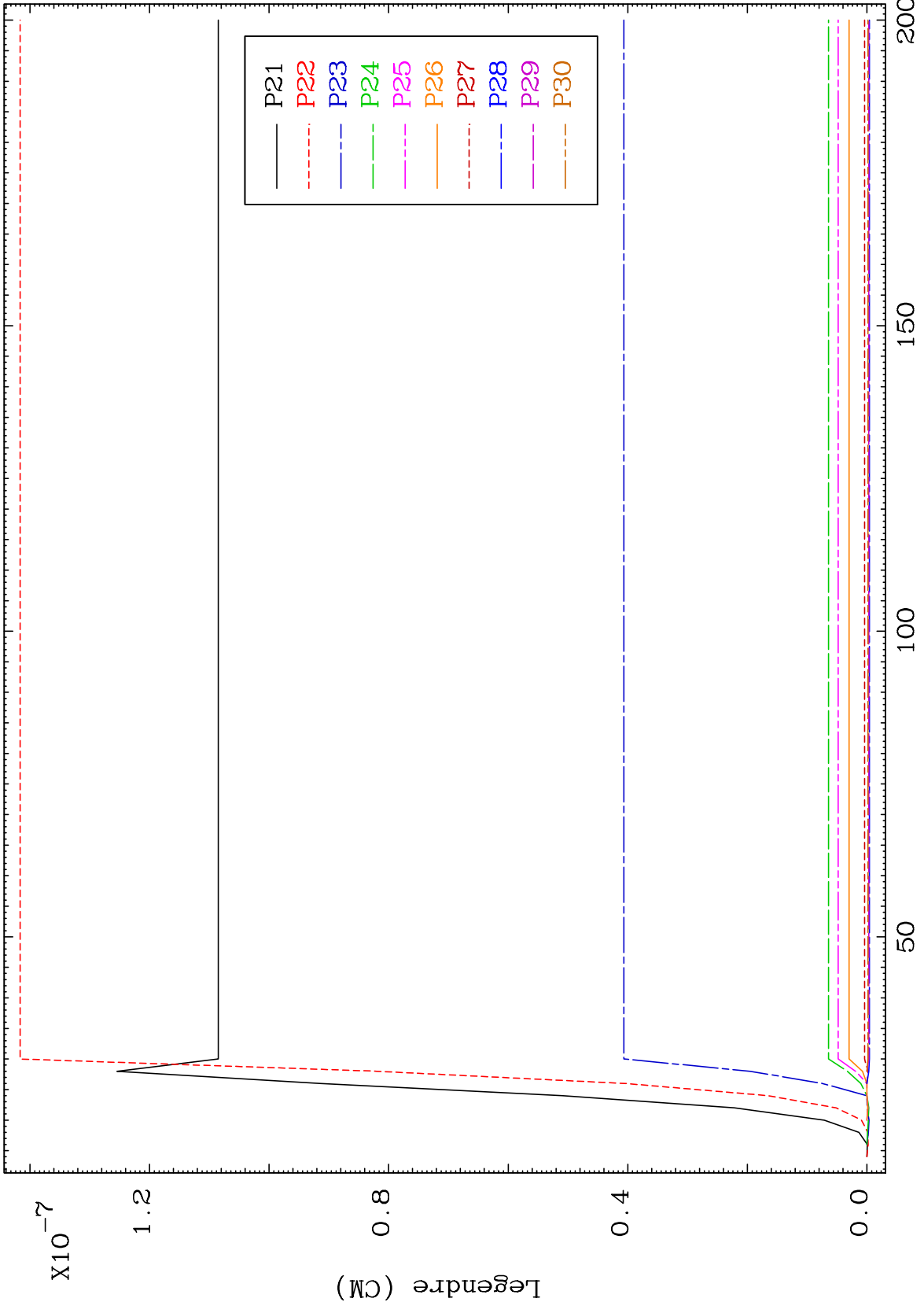
Incident Energy (MeV)

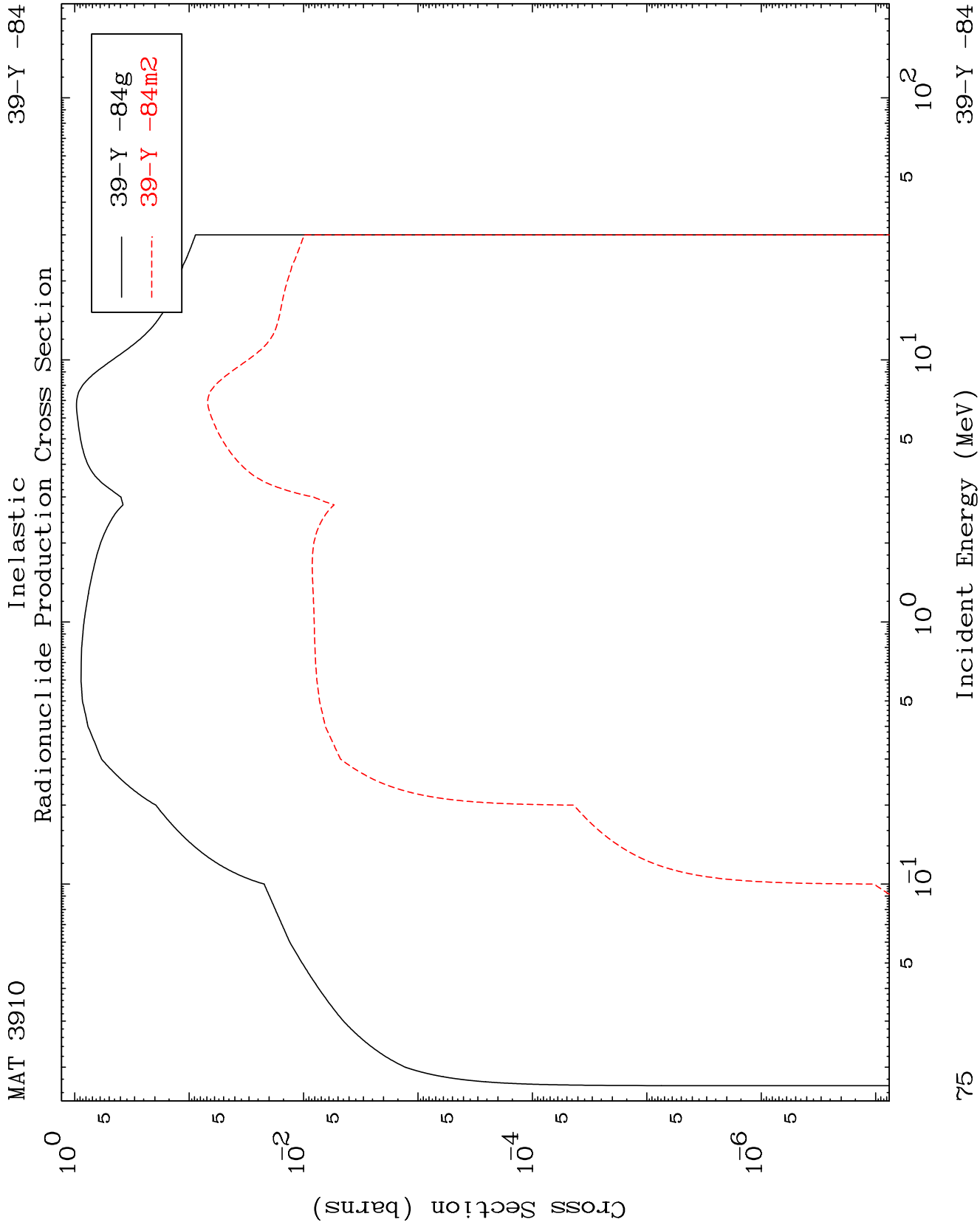
39-Y -84

MAT 3910 MT= 69 (n,n') Level Legendre Coefficients 39-Y -84



73 39-Y -84

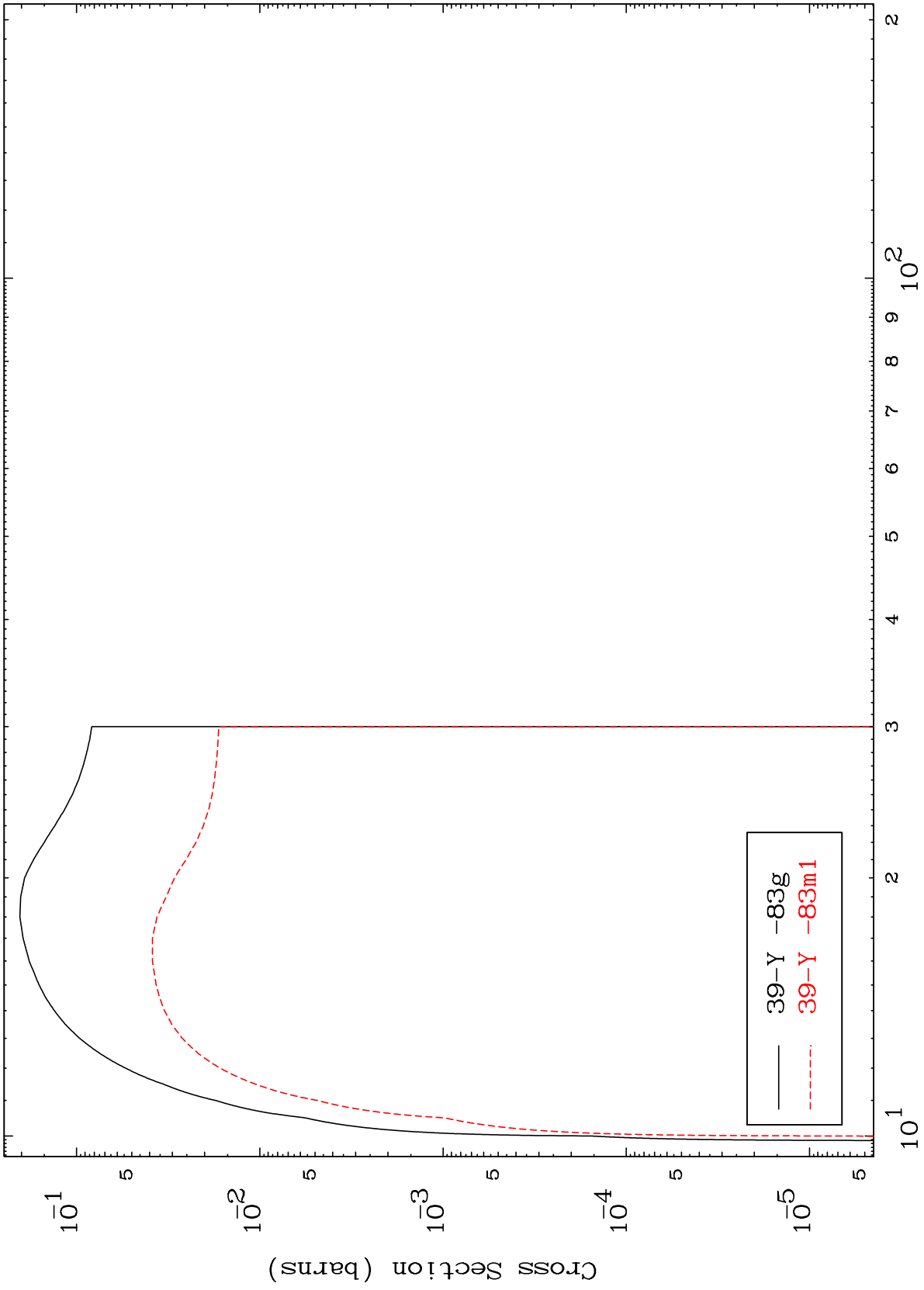




MAT 3910

39-Y -84

Radionuclide Production Cross Section
(n,2n)



76

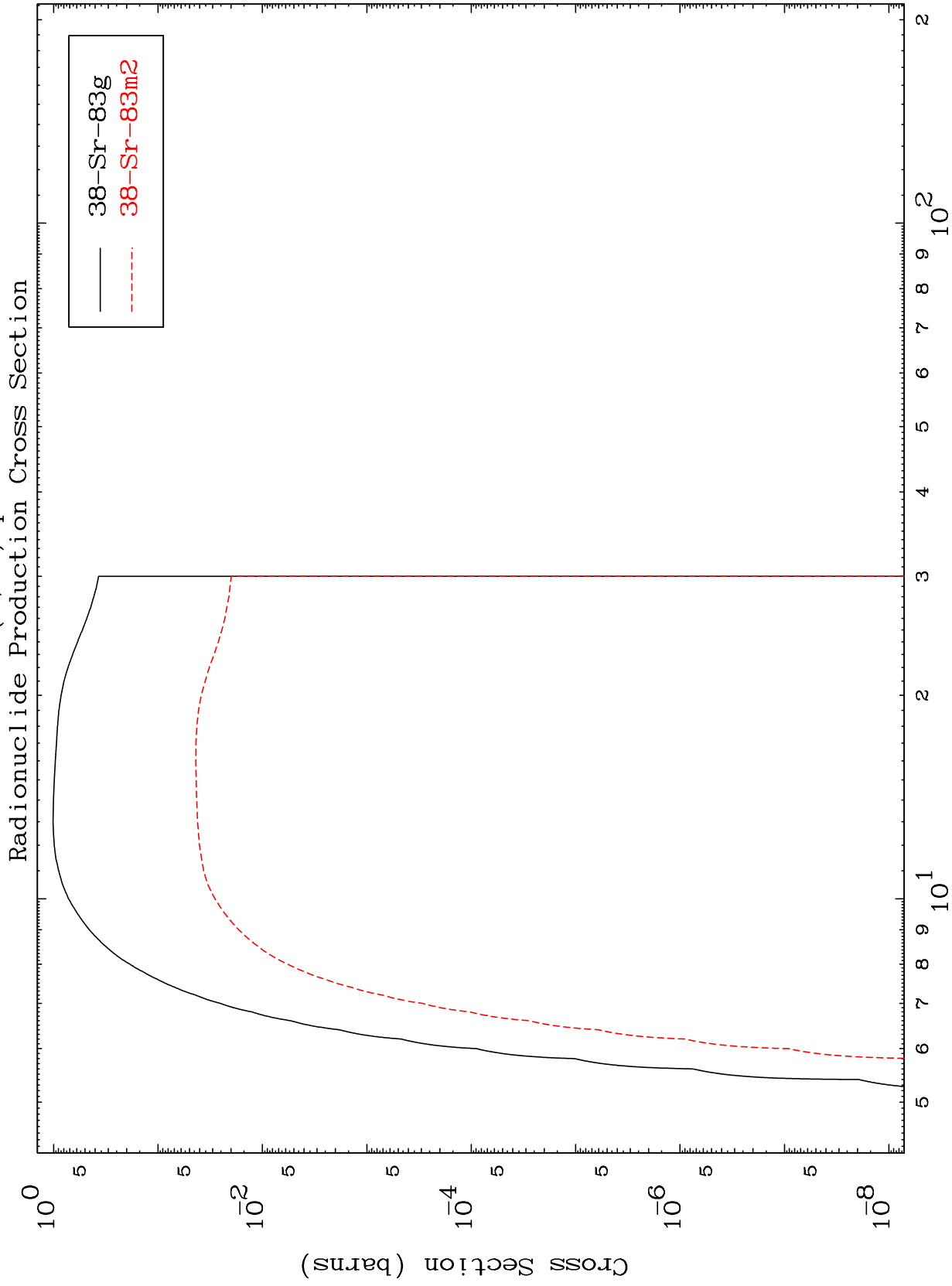
Incident Energy (MeV)

39-Y -84

MAT 3910

(n,n') p

39-Y -84



77

Incident Energy (MeV)

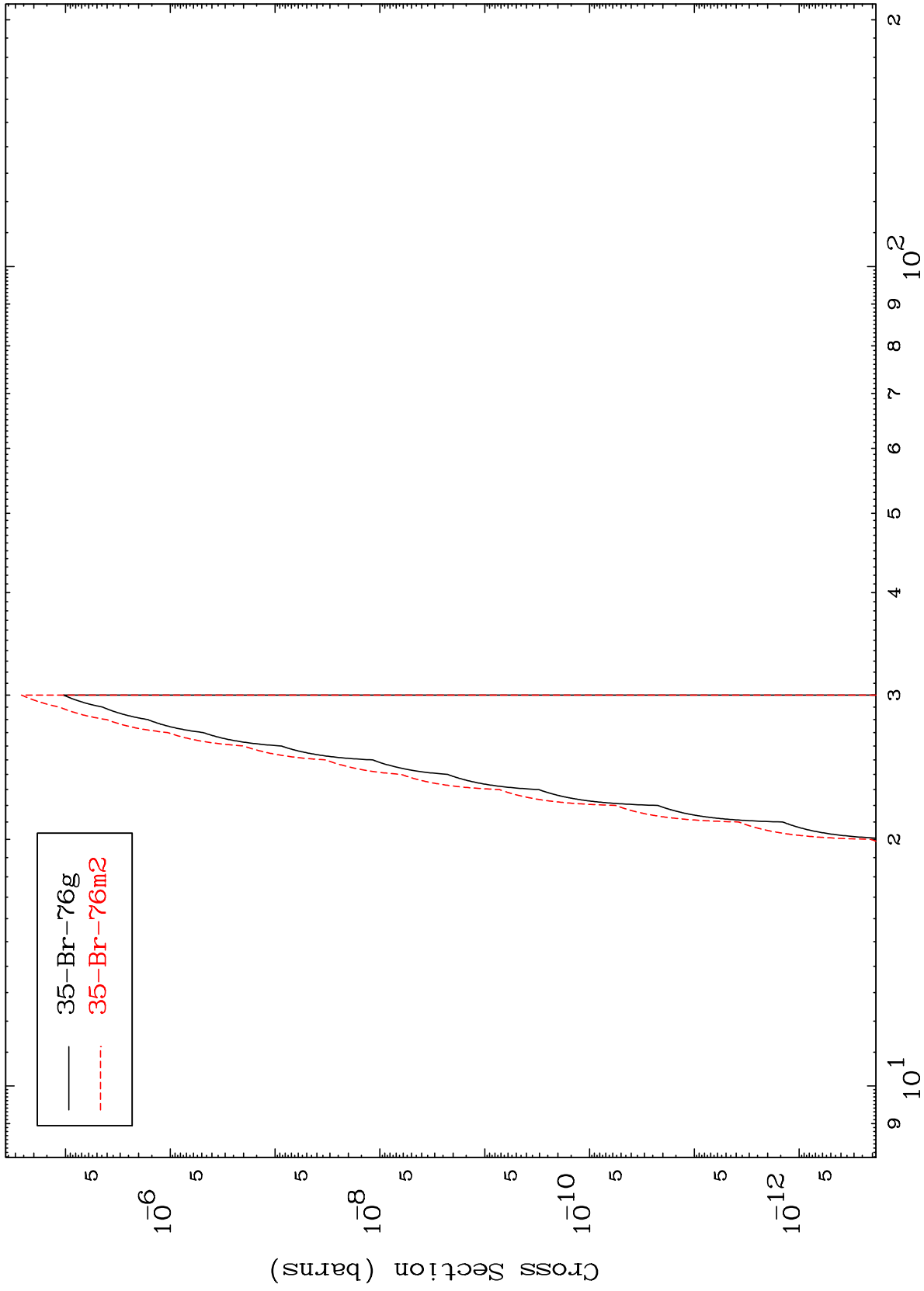
39-Y -84

MAT 3910

(n,n') 2α

39-Y -84

Radionuclide Production Cross Section



78

Incident Energy (MeV)

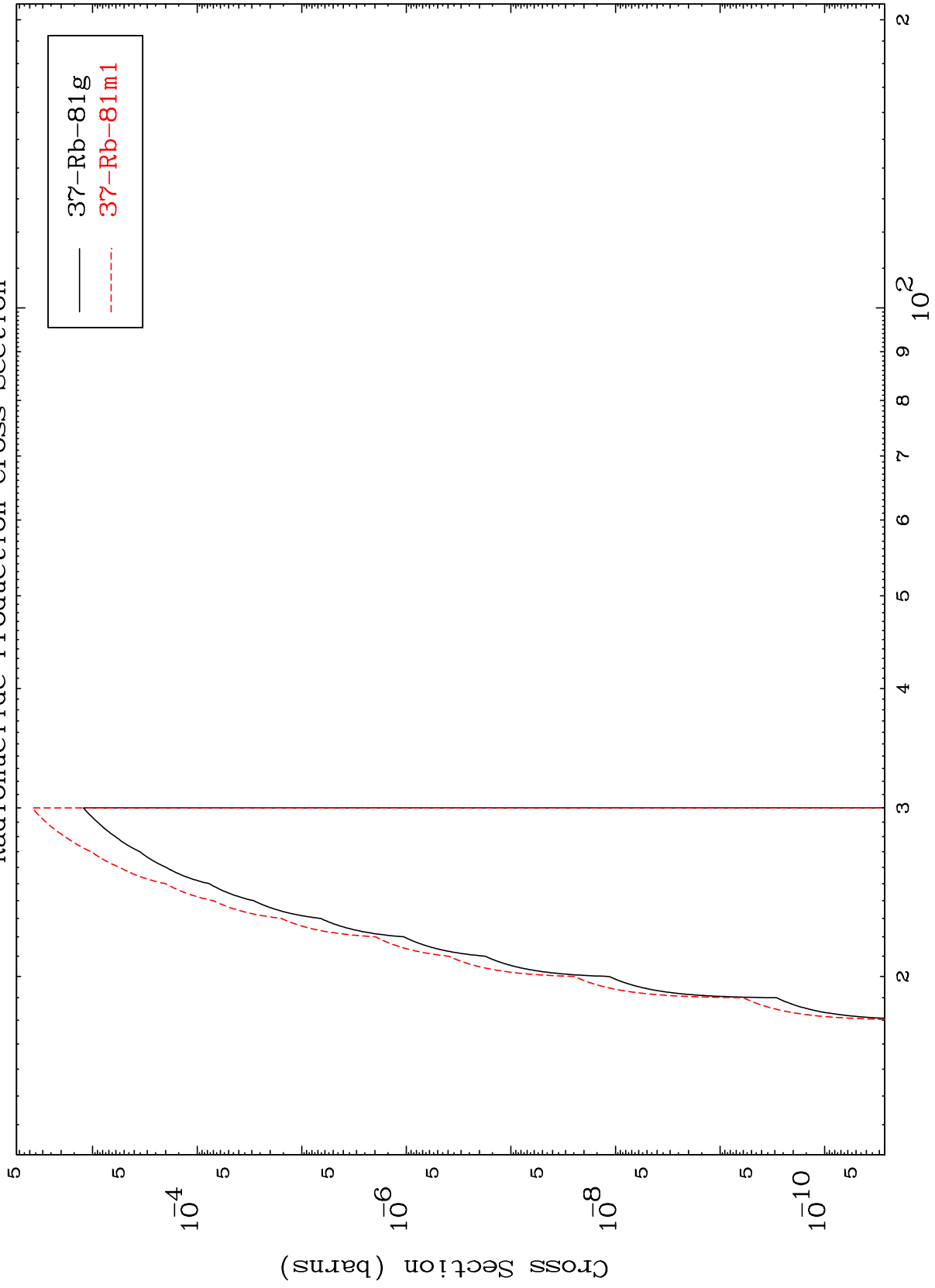
39-Y -84

MAT 3910

(n, n') He-3

39-Y -84

Radionuclide Production Cross Section



79

Incident Energy (MeV)

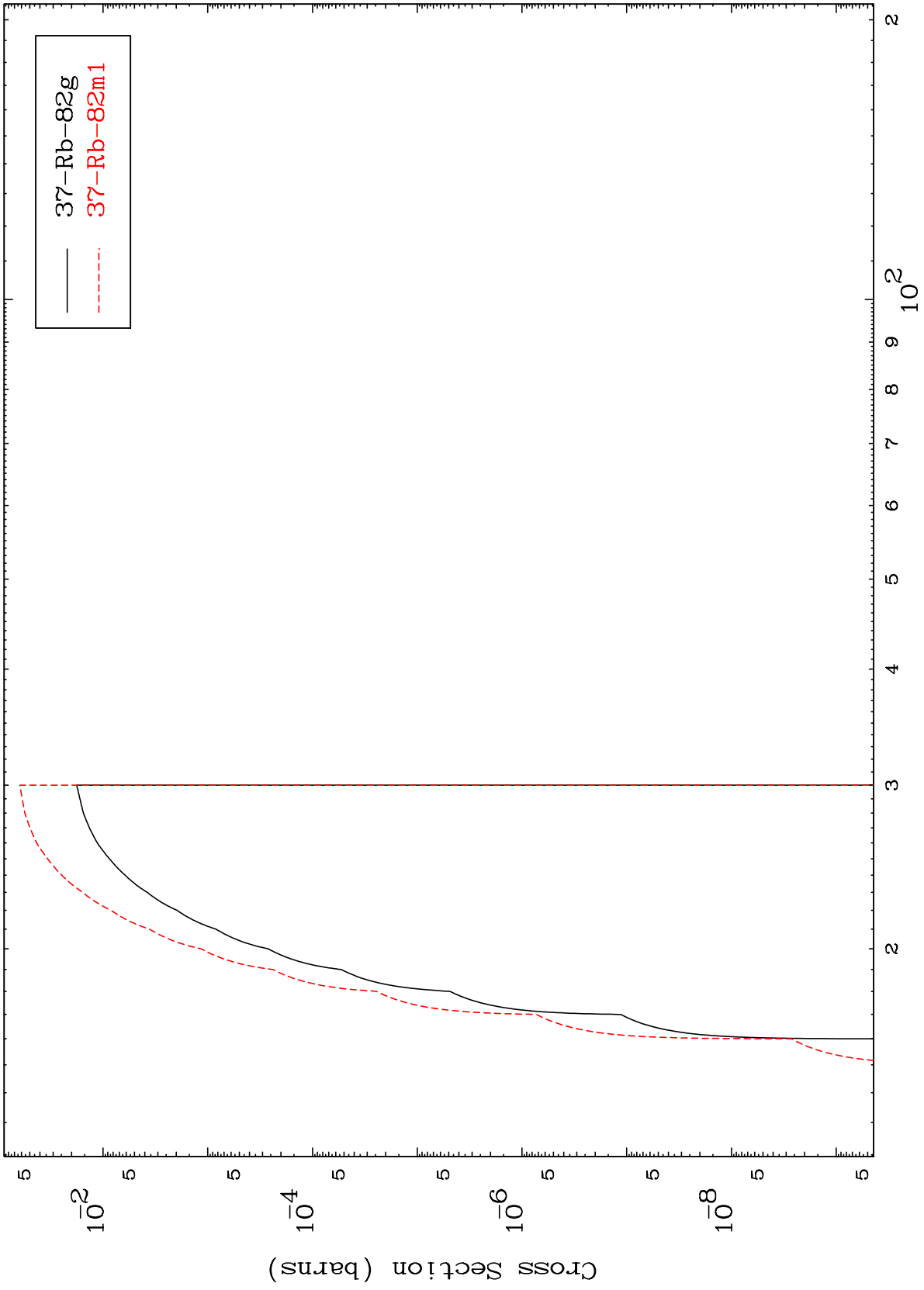
39-Y -84

MAT 3910

(n,2n) p

39-Y -84

Radionuclide Production Cross Section



80

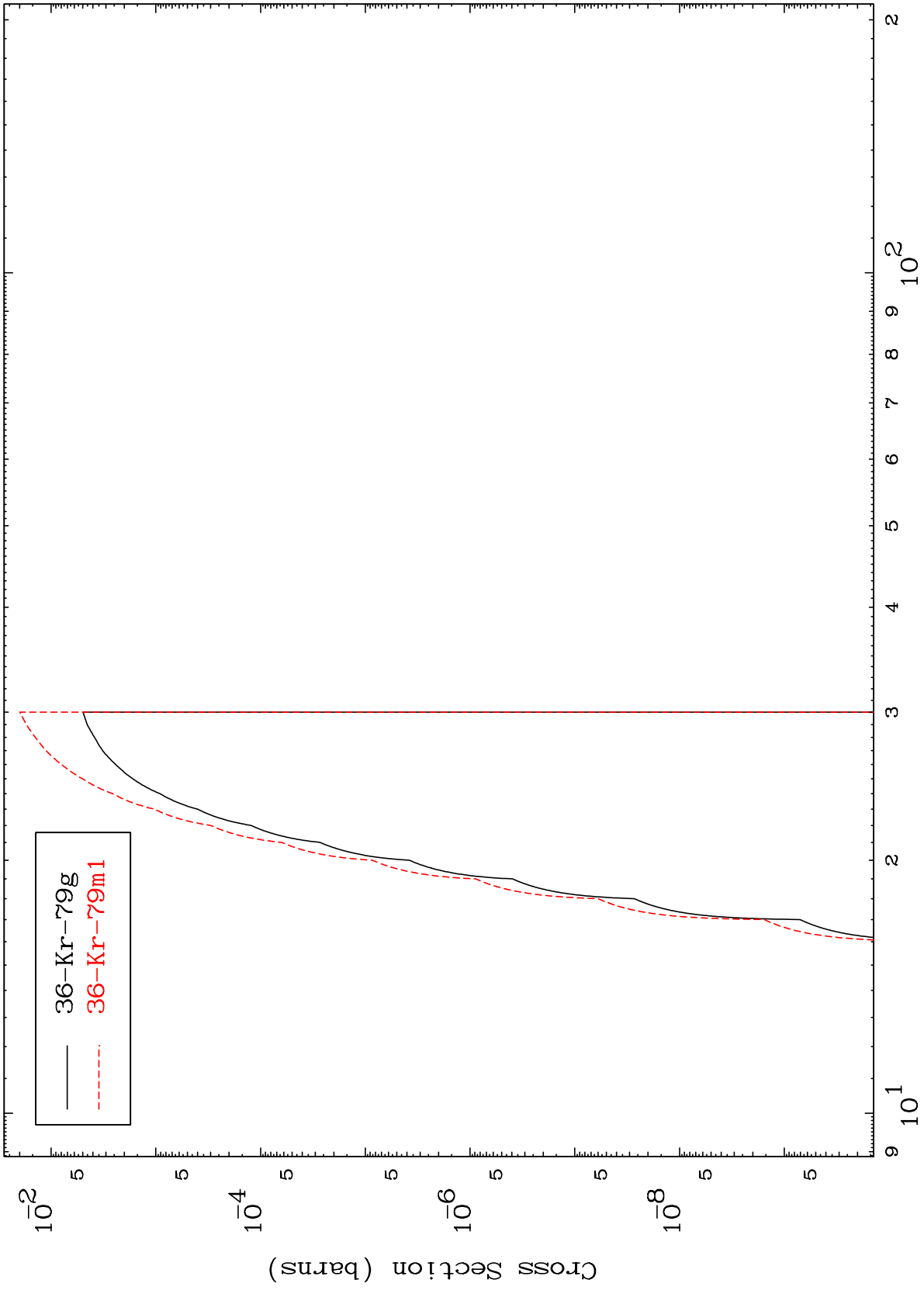
Incident Energy (MeV)

39-Y -84

MAT 3910

39-Y -84

(n,n') p α
Radionuclide Production Cross Section



81

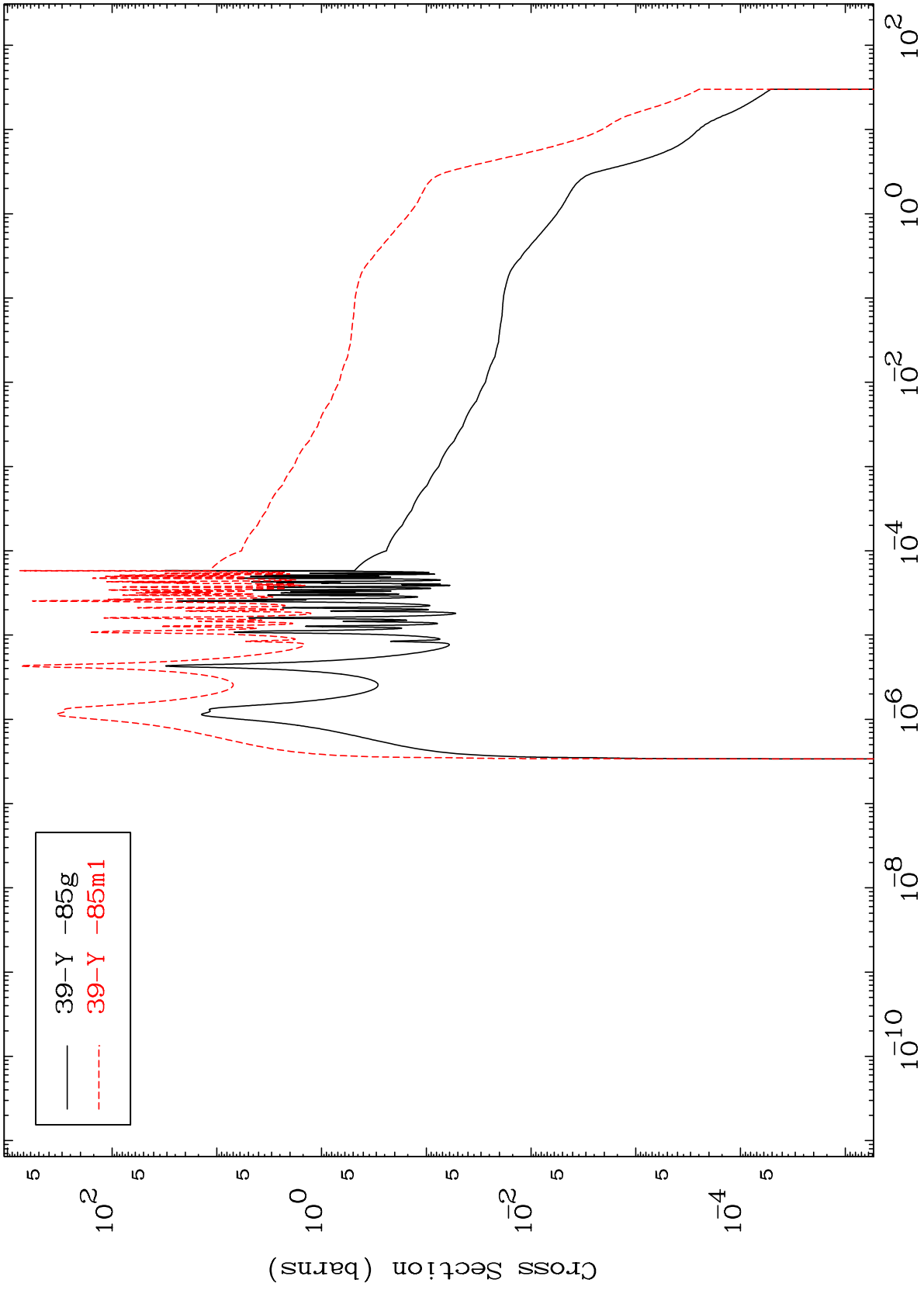
Incident Energy (MeV)

39-Y -84

MAT 3910

39-Y -84

Radionuclide Production Cross Section (n,γ)



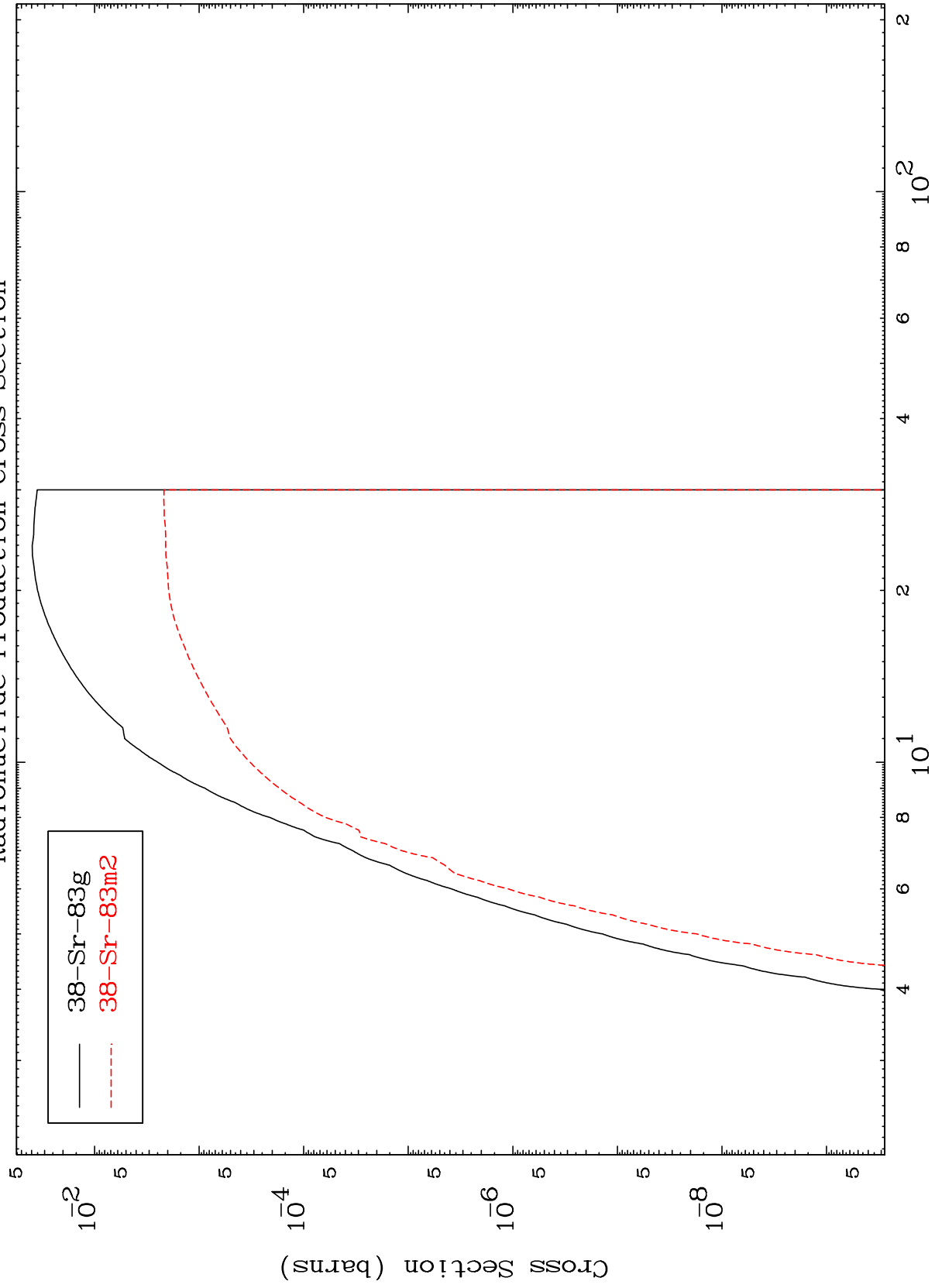
82

39-Y -84

MAT 3910

39-Y -84

(n,d)
Radionuclide Production Cross Section



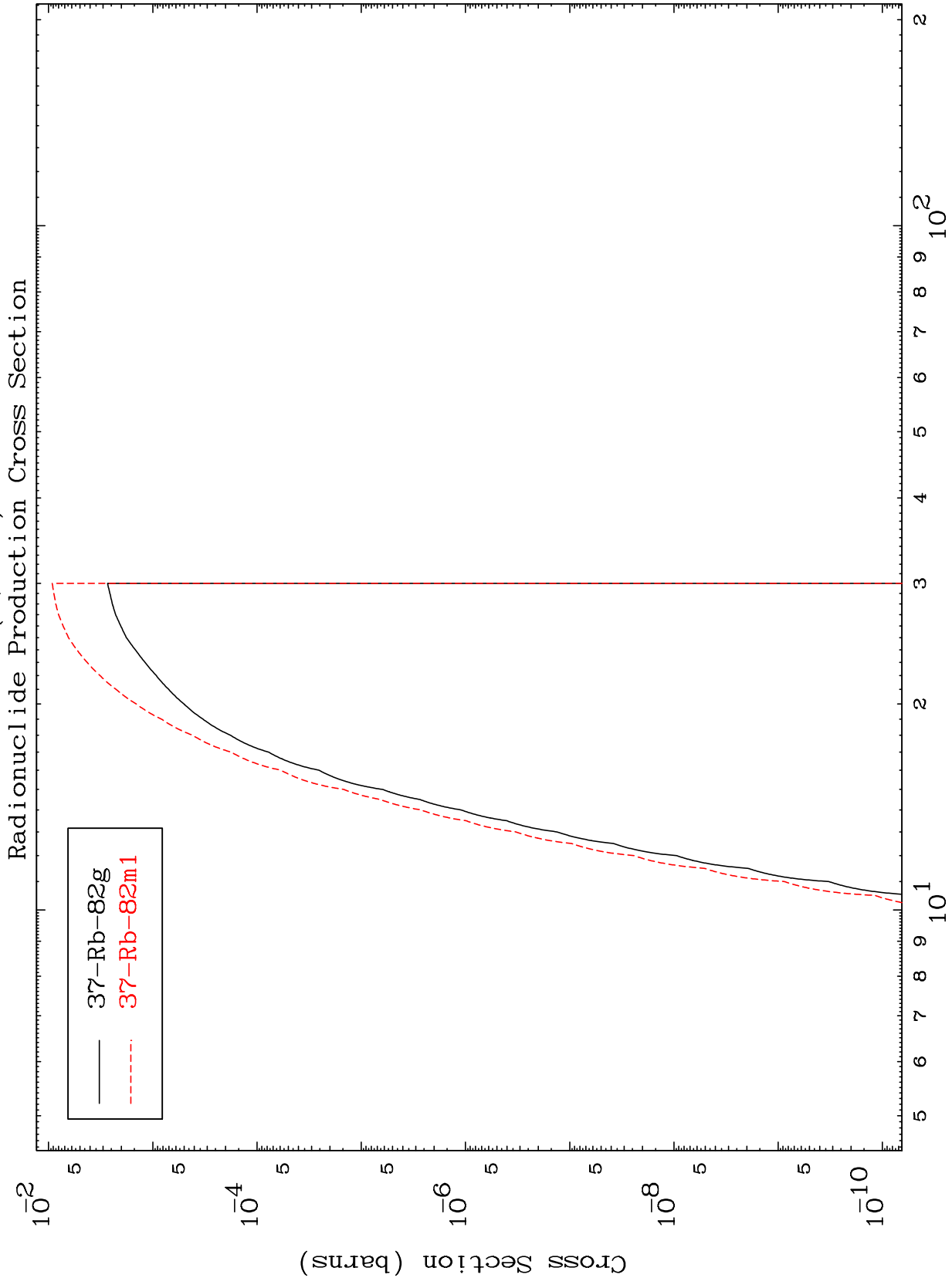
83

39-Y -84

MAT 3910

(n, He-3)

39-Y -84



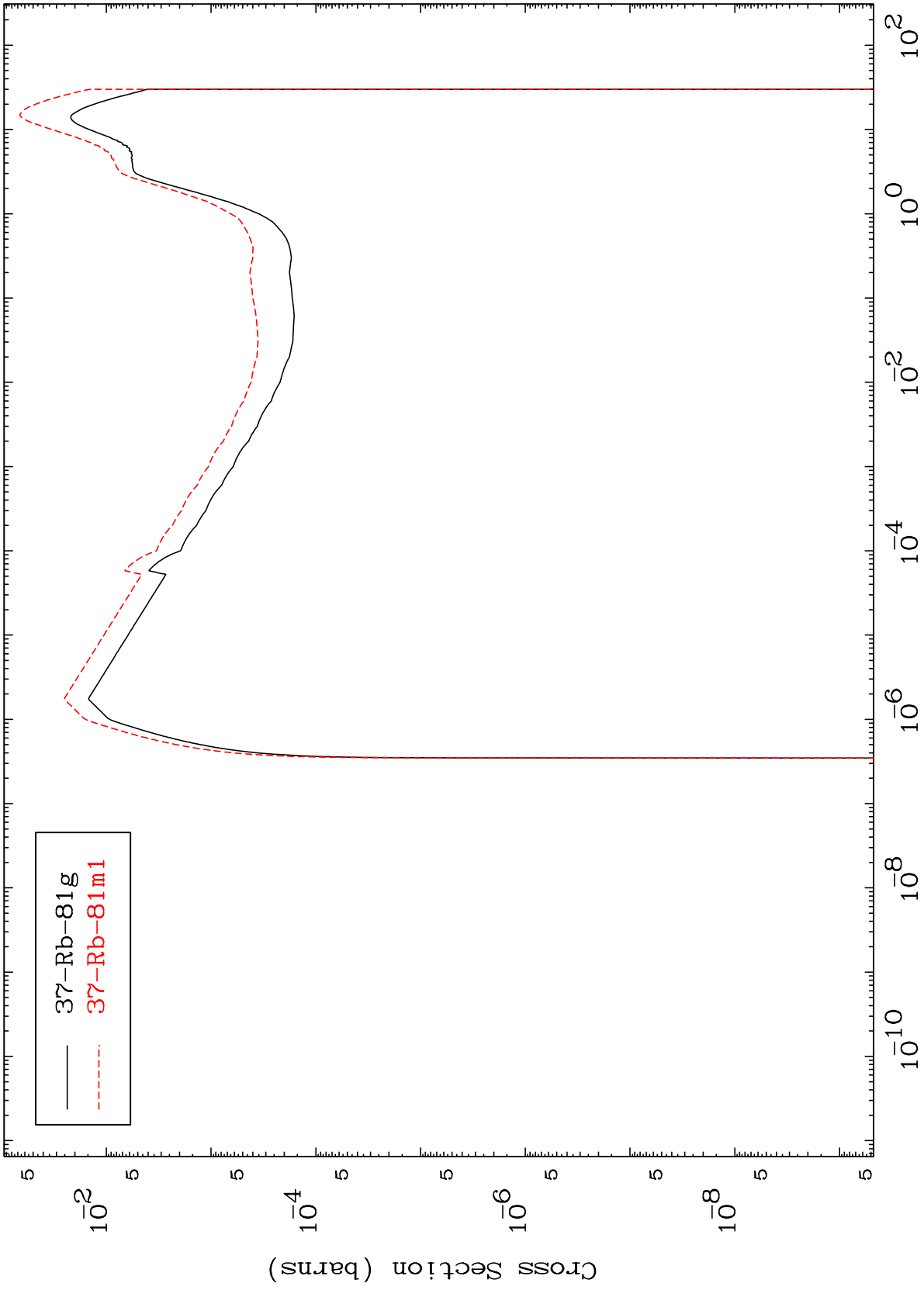
84

39-Y -84

MAT 3910

39-Y -84

Radionuclide Production Cross Section
(n,α)



85

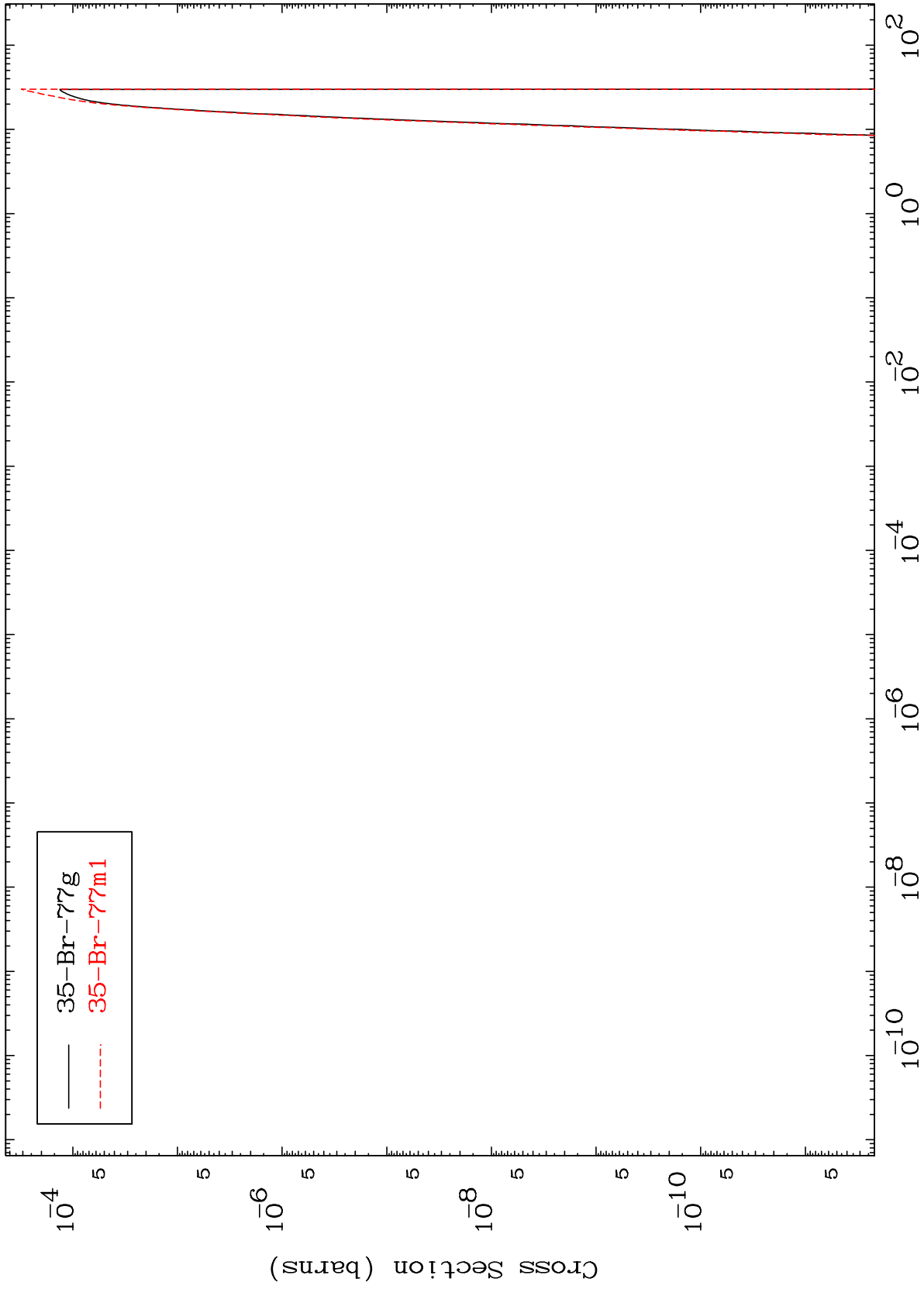
39-Y -84

MAT 3910

(n,2α)

39-Y -84

Radionuclide Production Cross Section



— 35-Br-77g
- - - 35-Br-77m1

86

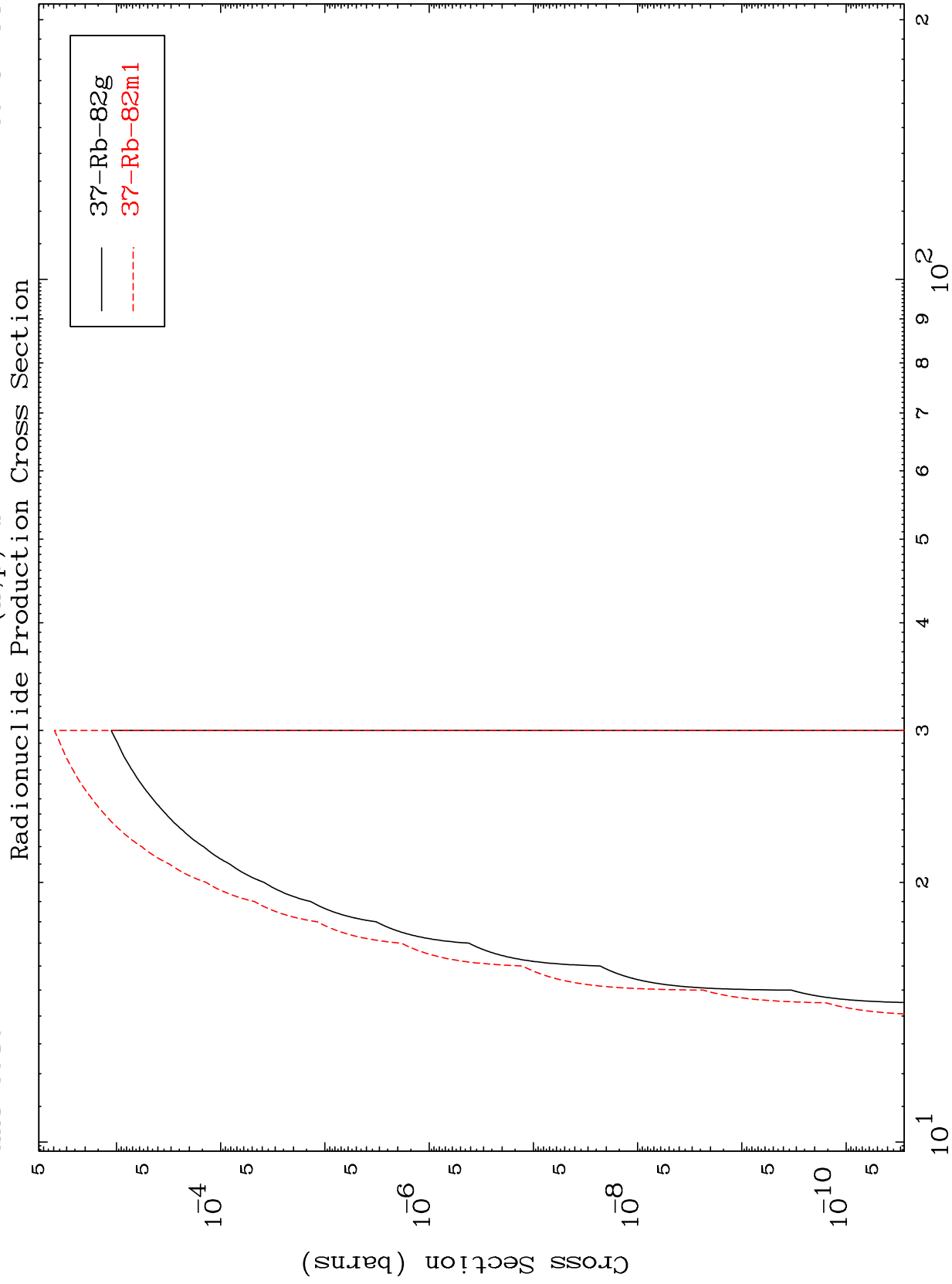
Incident Energy (MeV)

39-Y -84

MAT 3910

(n,p) d

39-Y -84



87

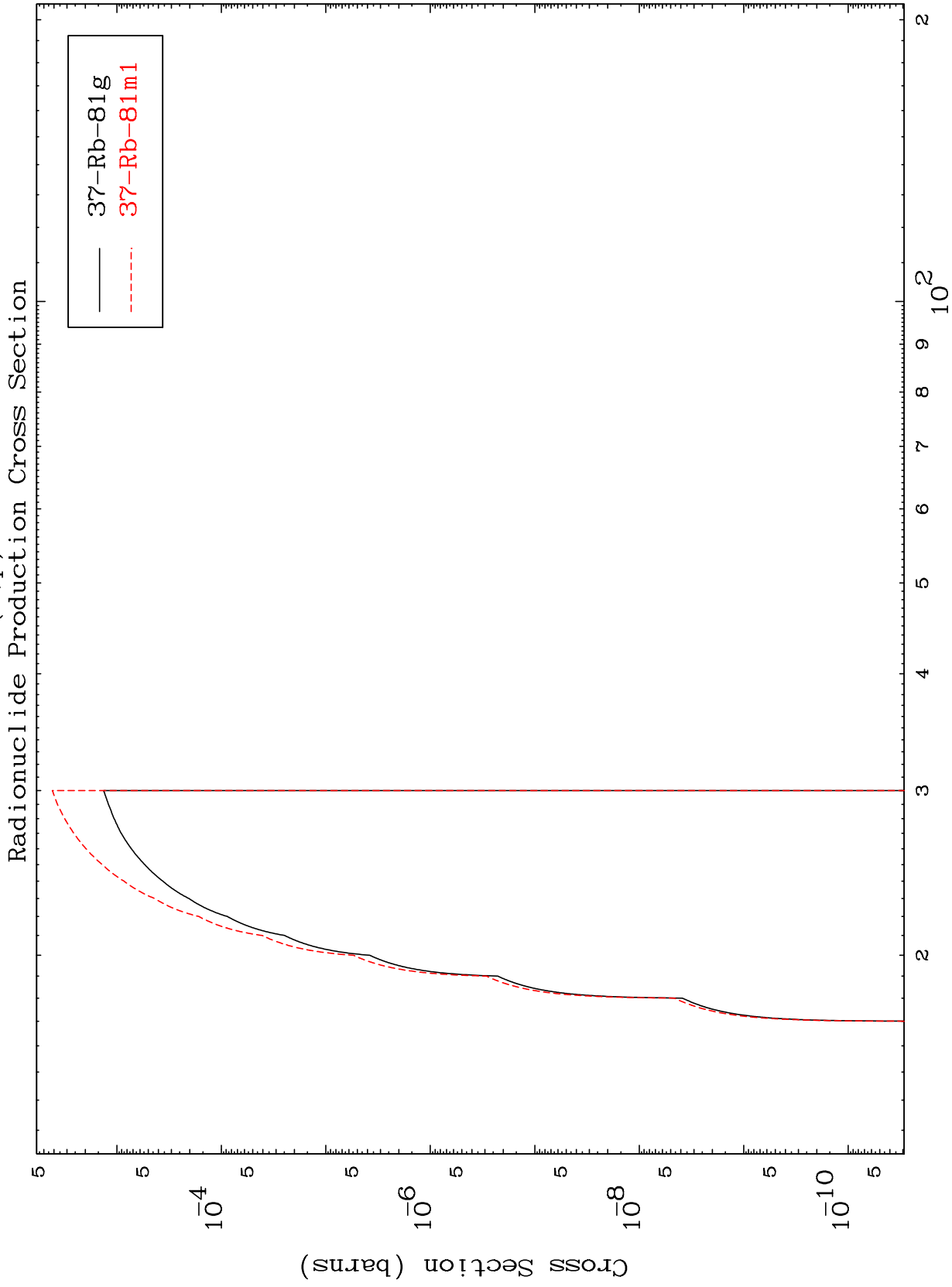
Incident Energy (MeV)

39-Y -84

MAT 3910

(n,p) t

39-Y -84



88

Incident Energy (MeV)

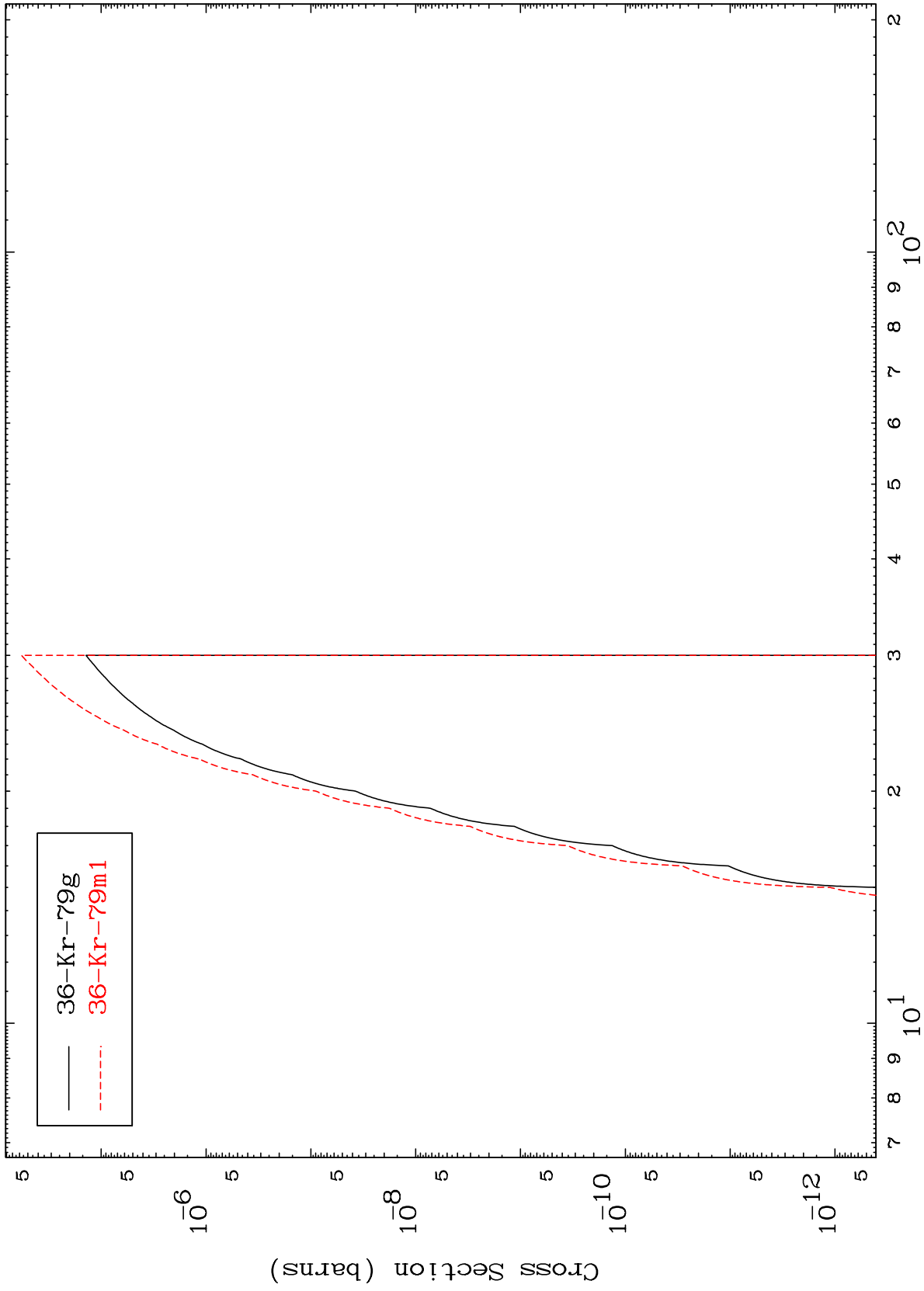
39-Y -84

MAT 3910

(n,d) α

39-Y -84

Radionuclide Production Cross Section



89

Incident Energy (MeV)

39-Y -84