

Program EVALPLOT
(Version 2018-1)

by

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(Present Contact Information)

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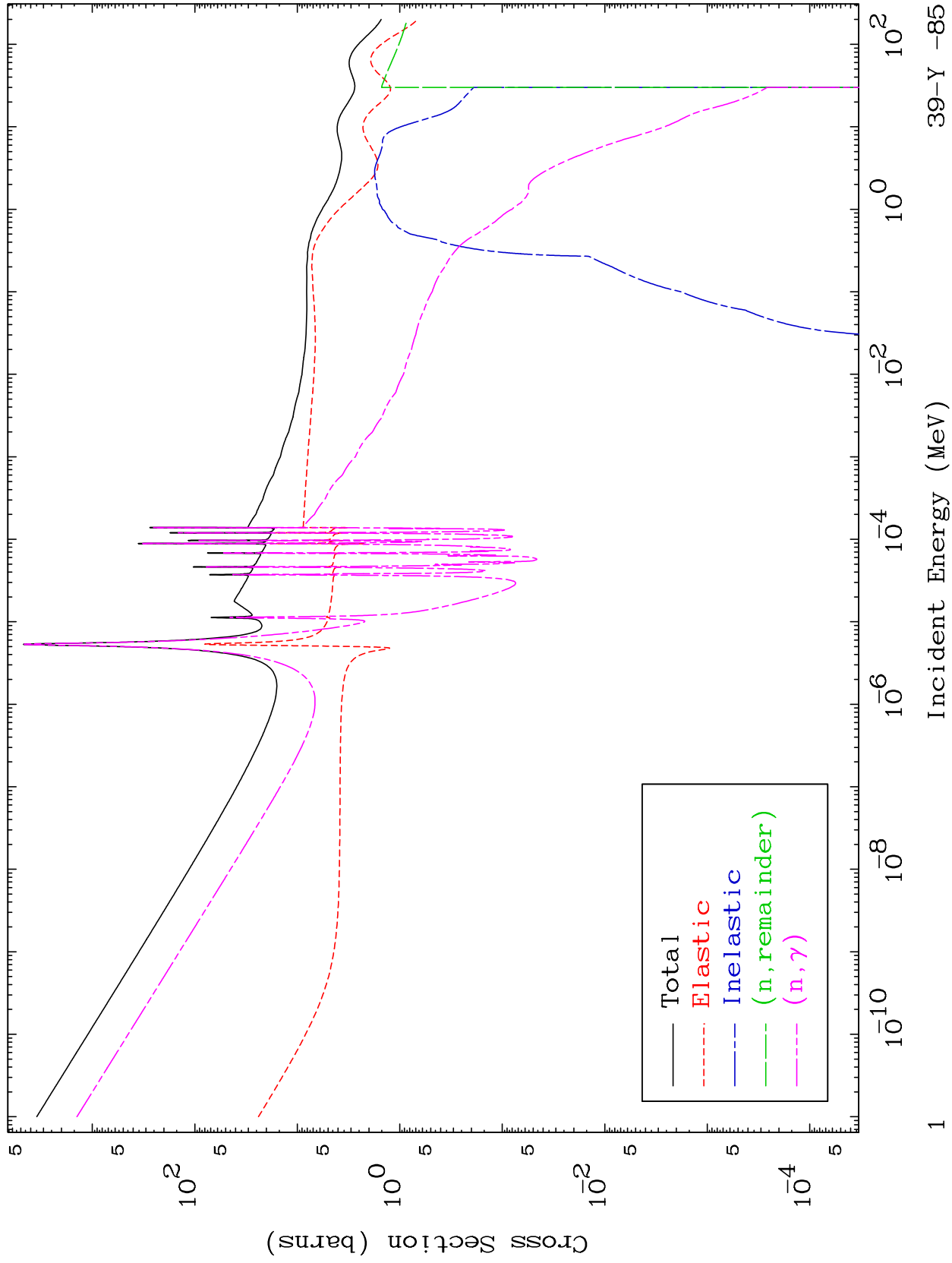
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3913

Major
293 Kelvin Cross Sections

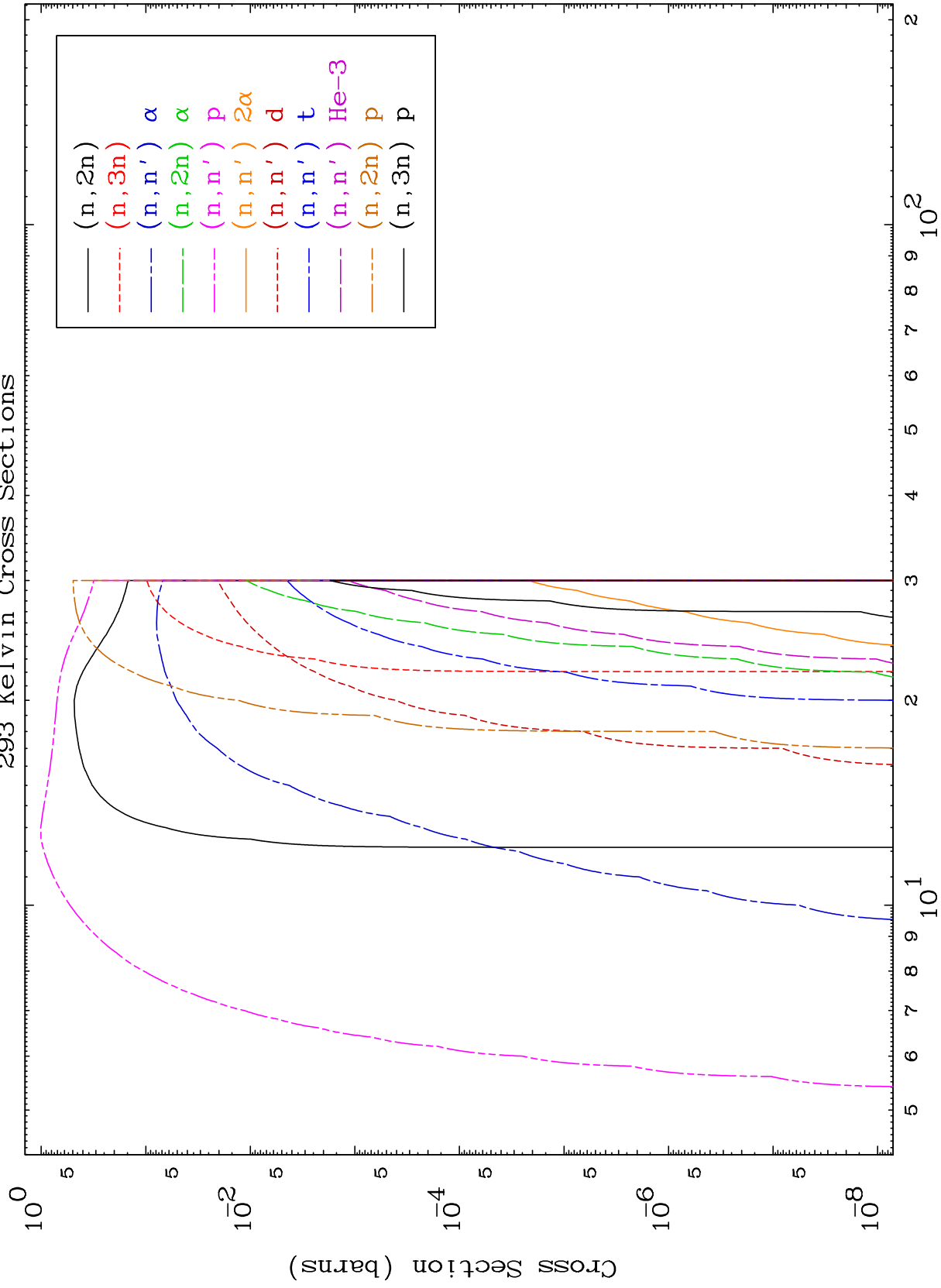
39-Y -85



MAT 3913

Neutron Production
293 Kelvin Cross Sections

39-Y -85



2

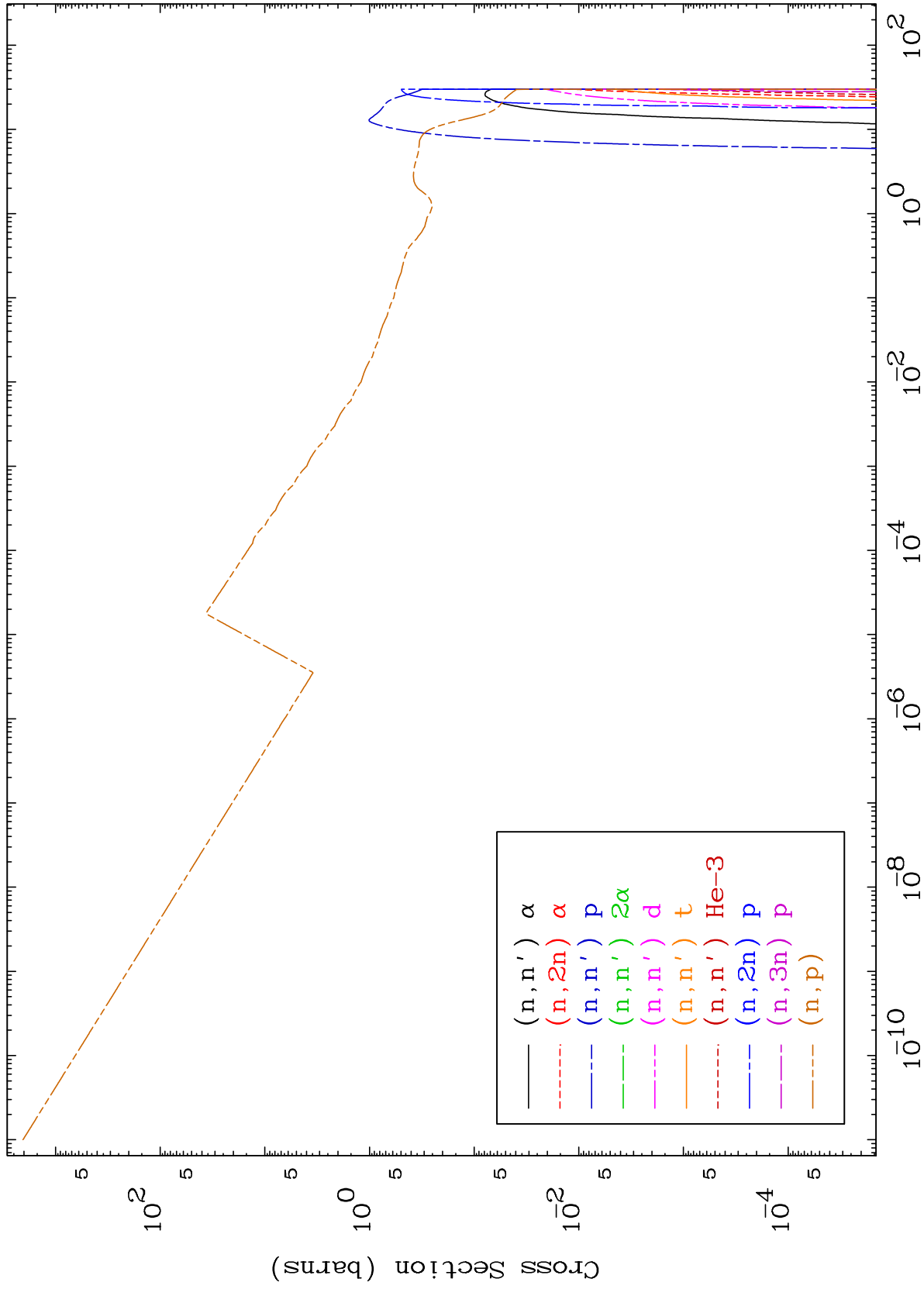
Incident Energy (MeV)

39-Y -85

MAT 3913

Charged Particle
293 Kelvin Cross Sections

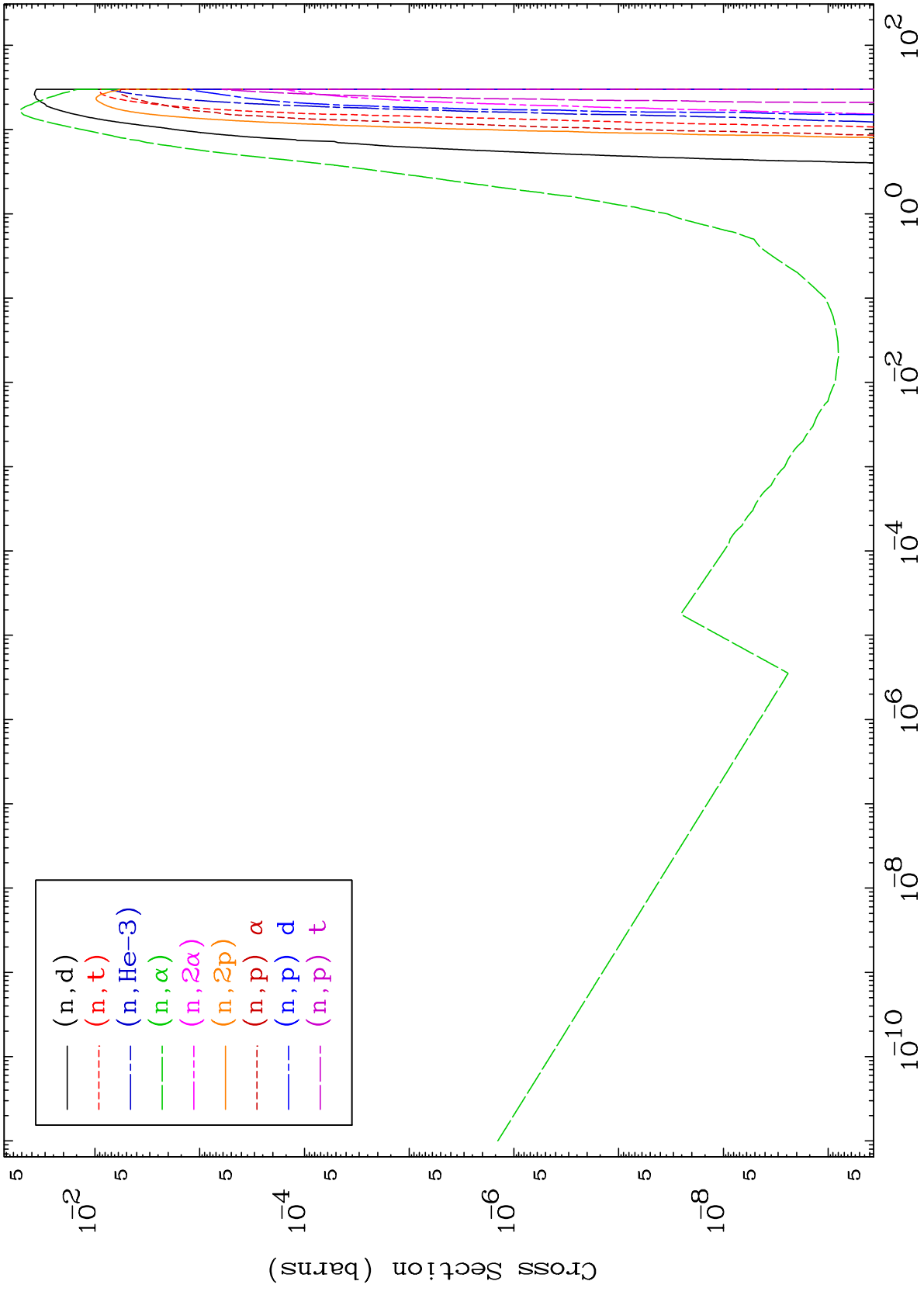
39-Y -85



MAT 3913

Charged Particle
293 Kelvin Cross Sections

39-Y -85

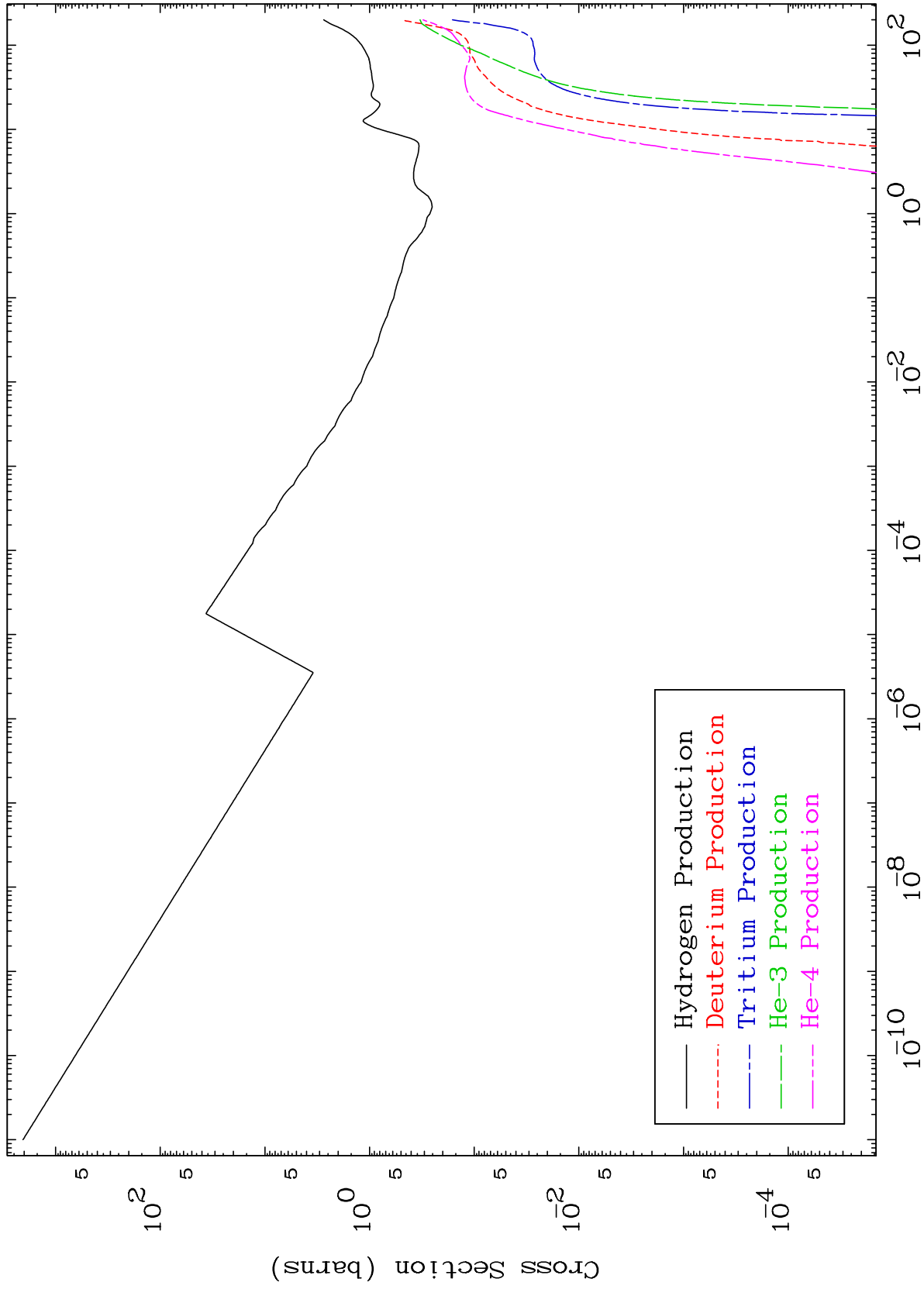


39-Y -85

MAT 3913

Particle Production
293 Kelvin Cross Sections

39-Y -85



5

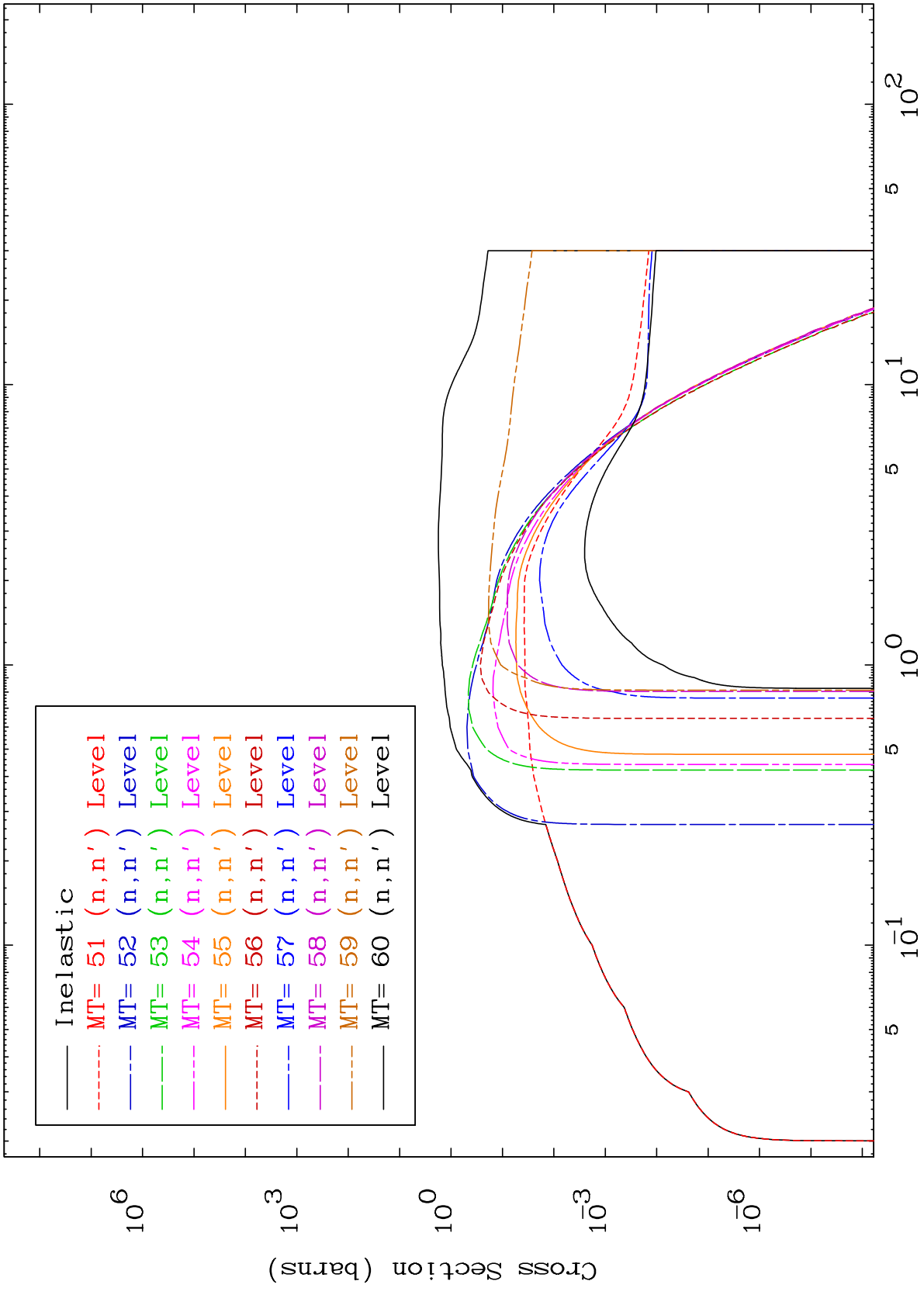
Incident Energy (MeV)

39-Y -85

MAT 3913

293 Kelvin Cross Sections

39-Y -85



6

Incident Energy (MeV)

39-Y -85

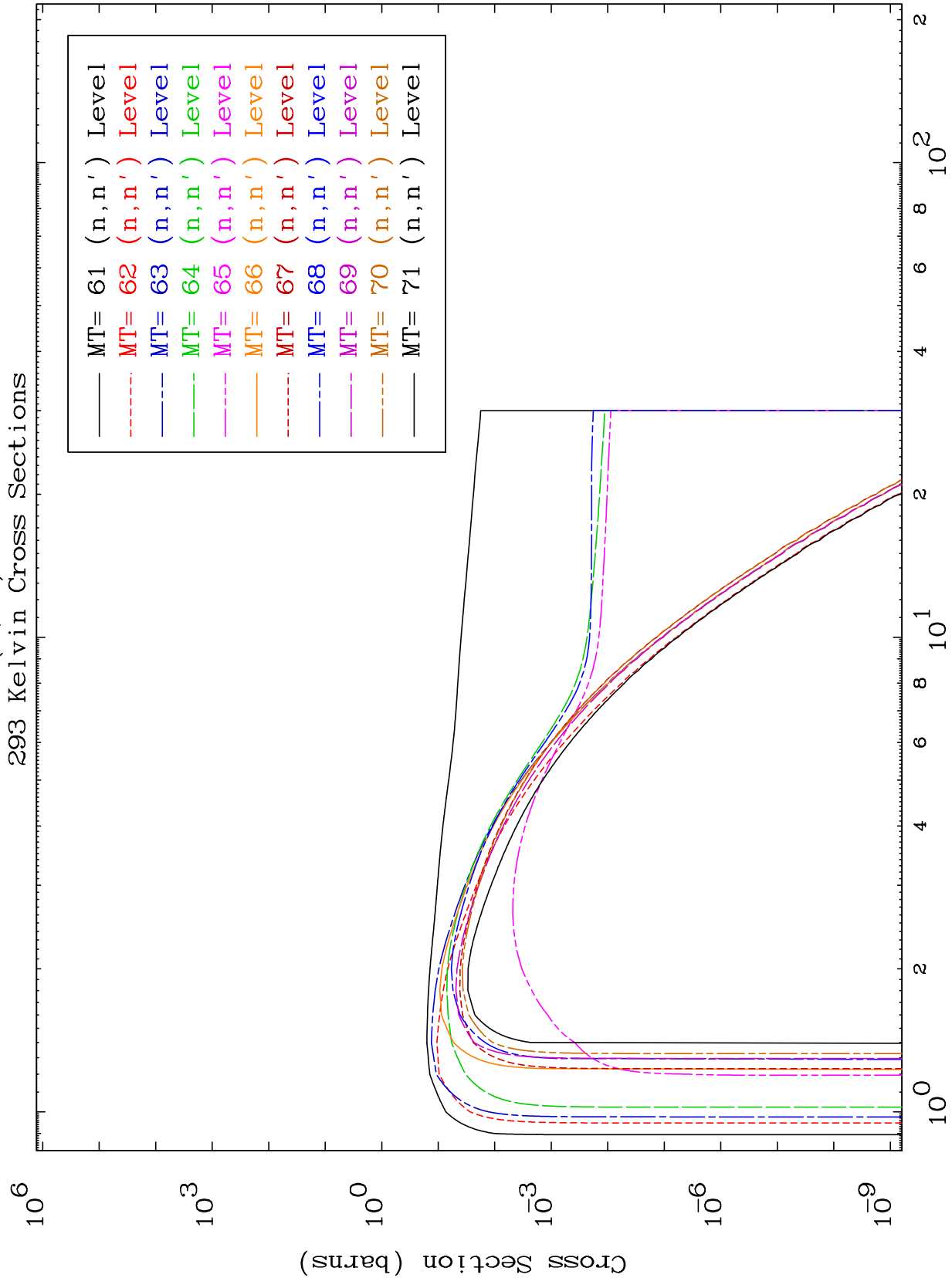
MAT 3913

(n,n') Level

39-Y -85

293 Kelvin Cross Sections

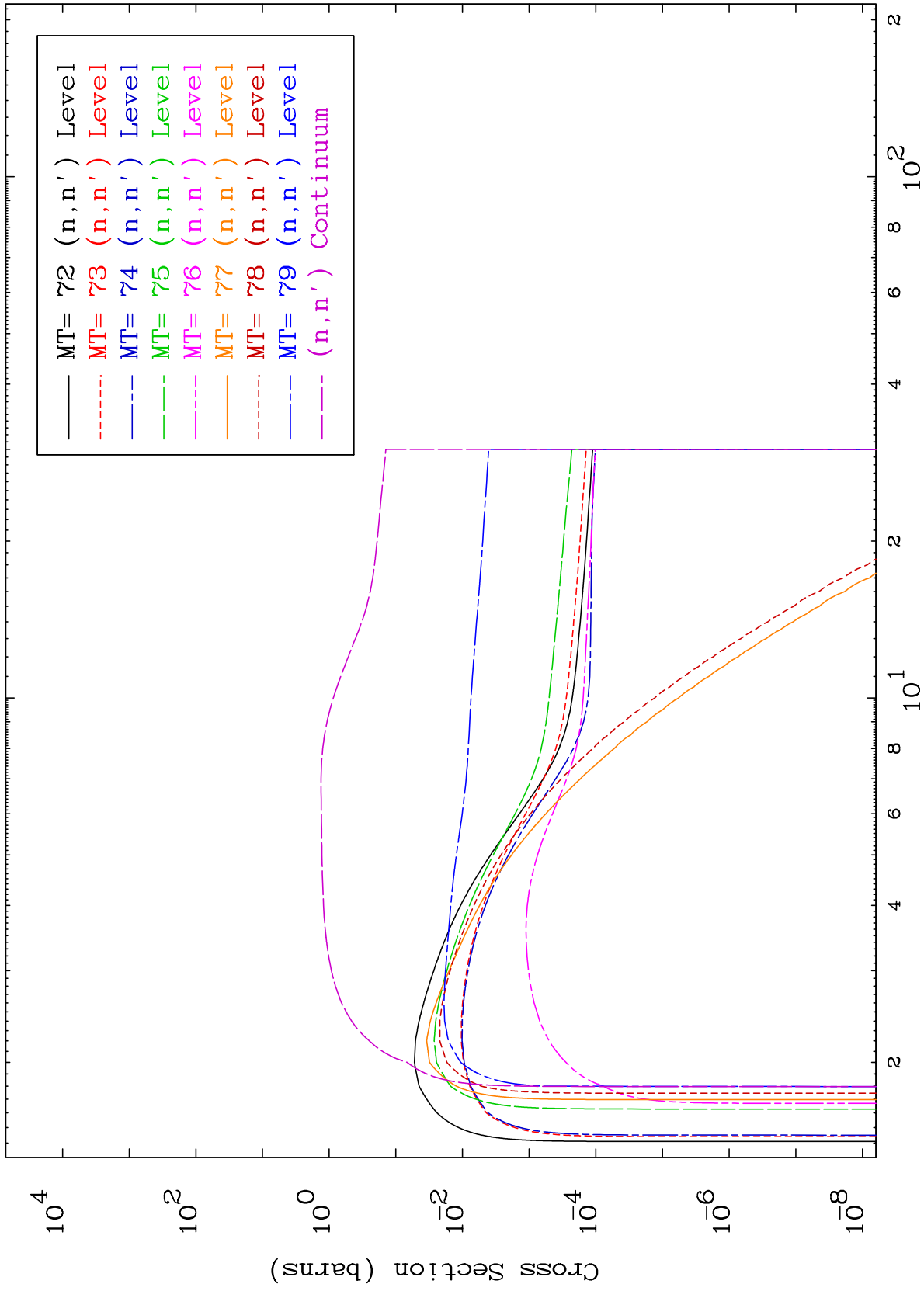
39-Y -85



7

Incident Energy (MeV)

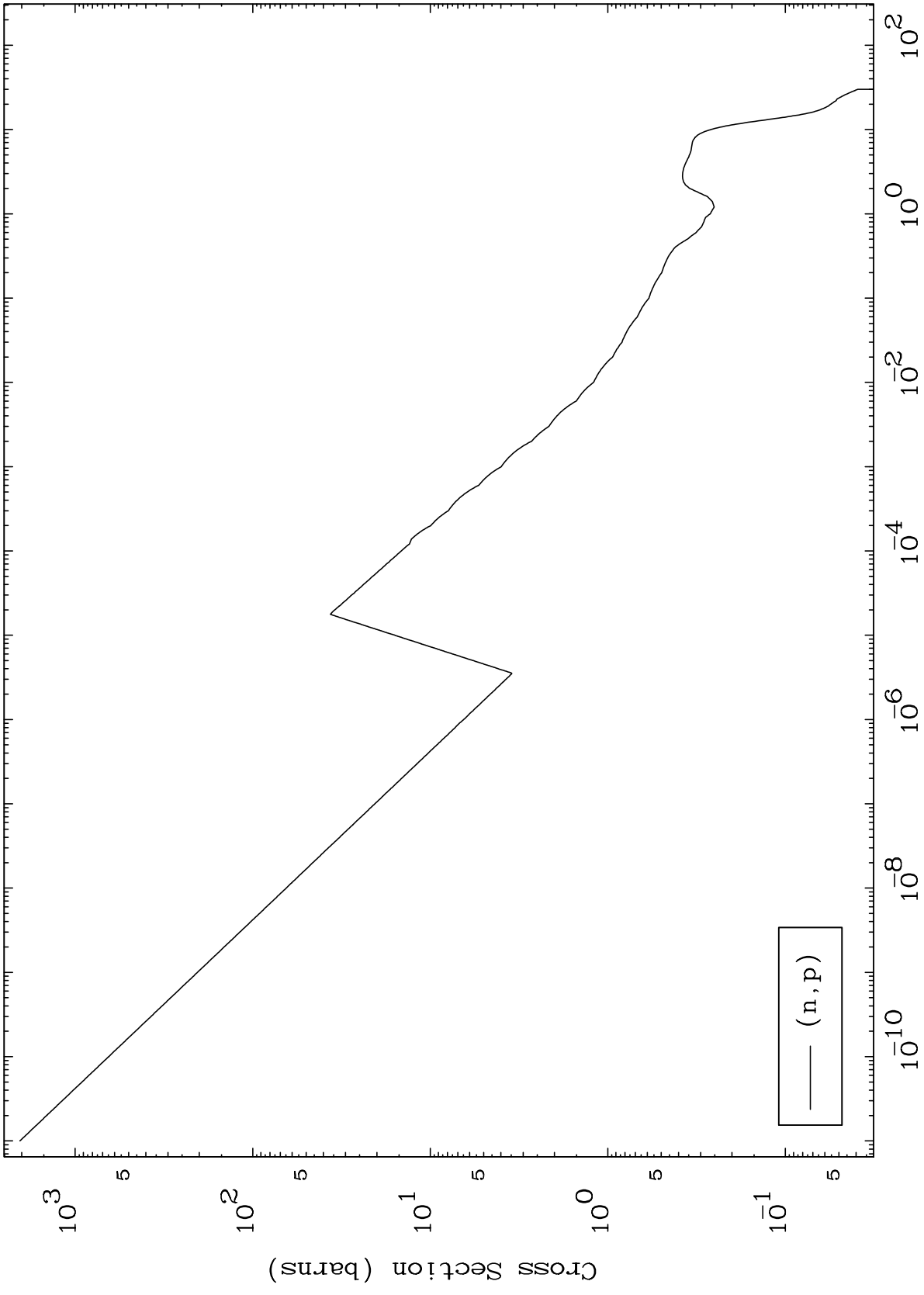
39-Y -85



MAT 3913

(n,p) Levels
293 Kelvin Cross Sections

39-Y -85



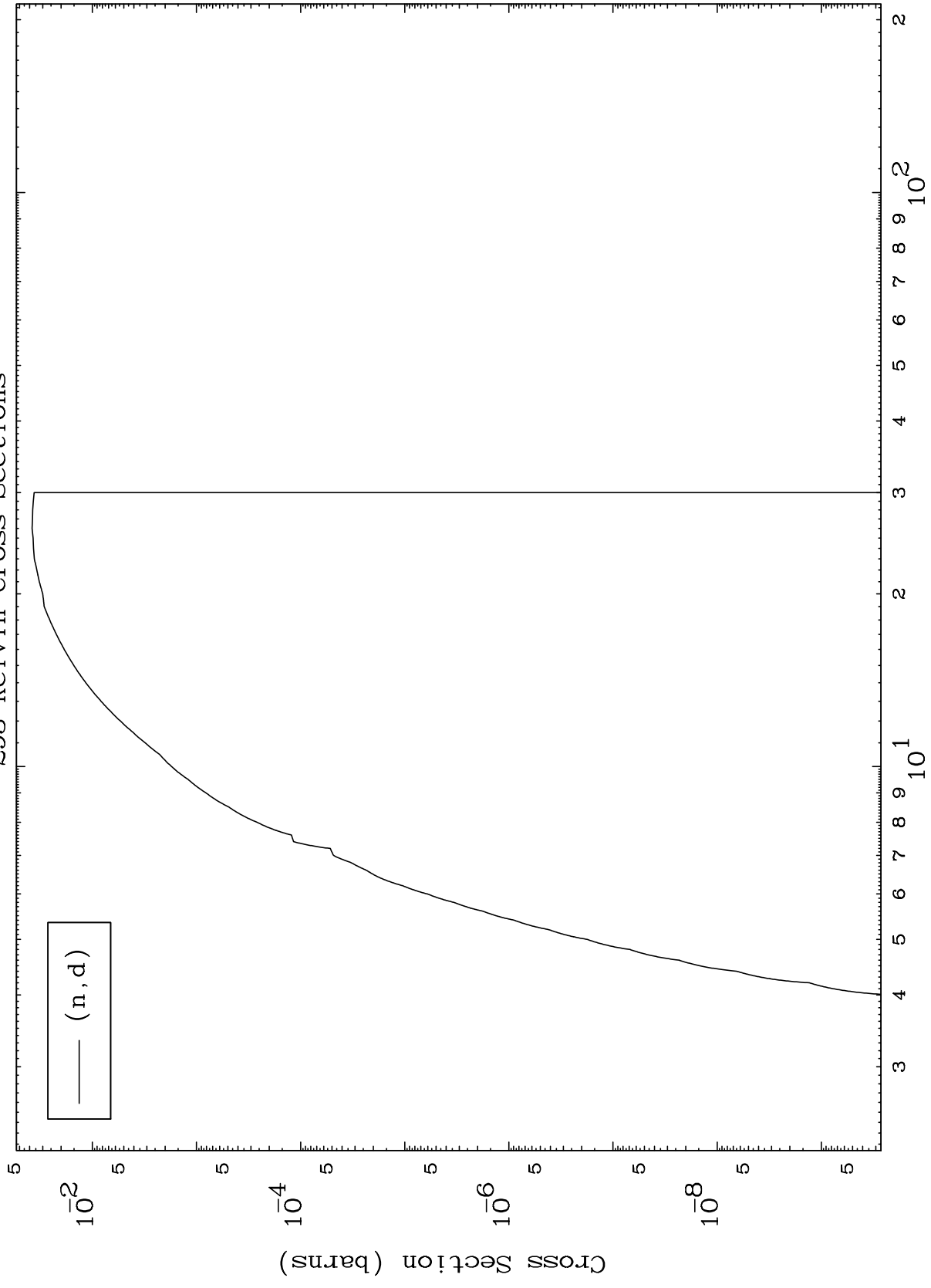
(n,p)

39-Y -85

MAT 3913

(n,d) Levels
293 Kelvin Cross Sections

39-Y -85



10

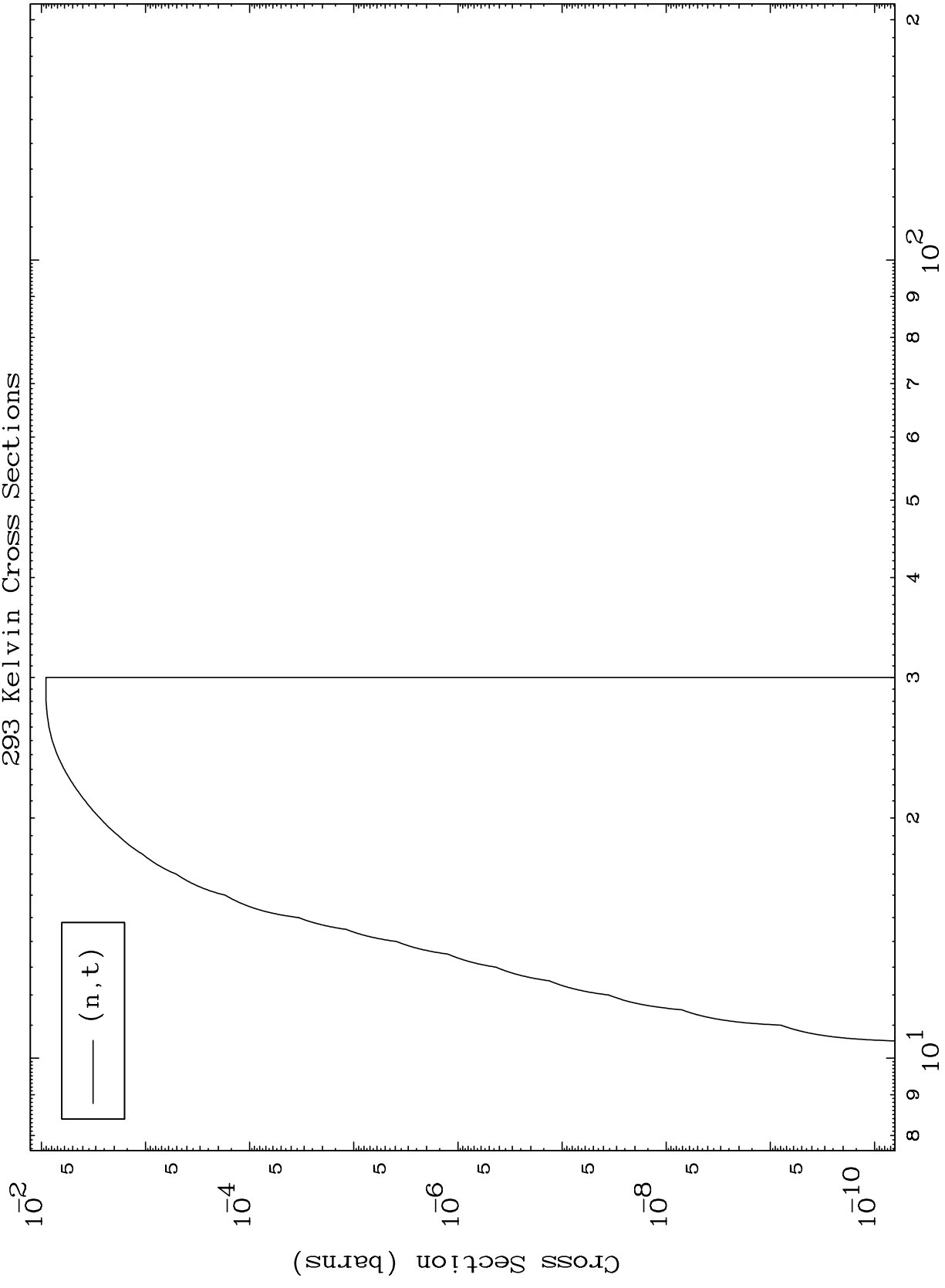
Incident Energy (MeV)

39-Y -85

MAT 3913

(n,t) Levels
293 Kelvin Cross Sections

39-Y -85



11

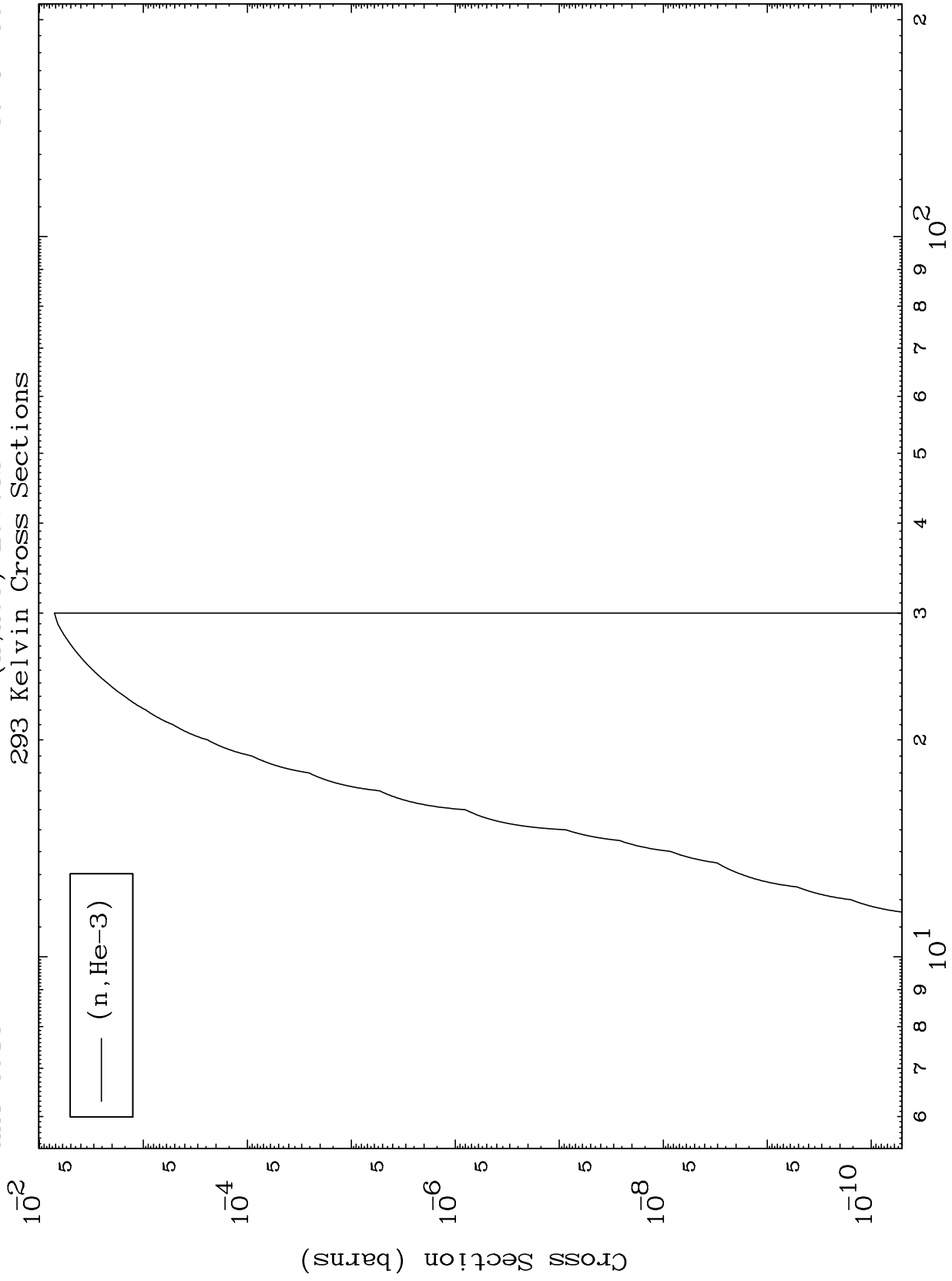
Incident Energy (MeV)

39-Y -85

MAT 3913

(n,He3) Levels
293 Kelvin Cross Sections

39-Y -85



12

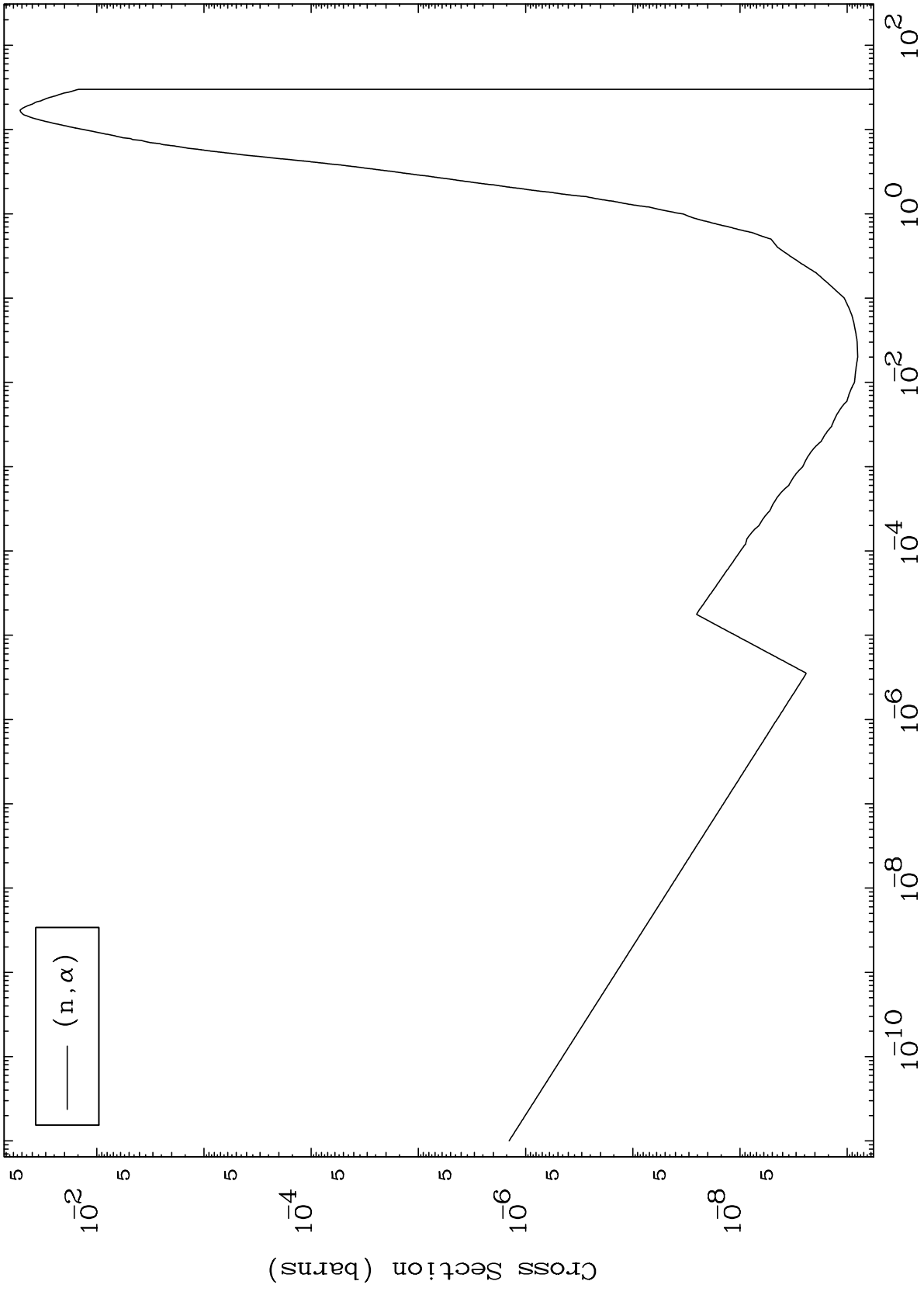
Incident Energy (MeV)

39-Y -85

MAT 3913

(n,α) Levels
293 Kelvin Cross Sections

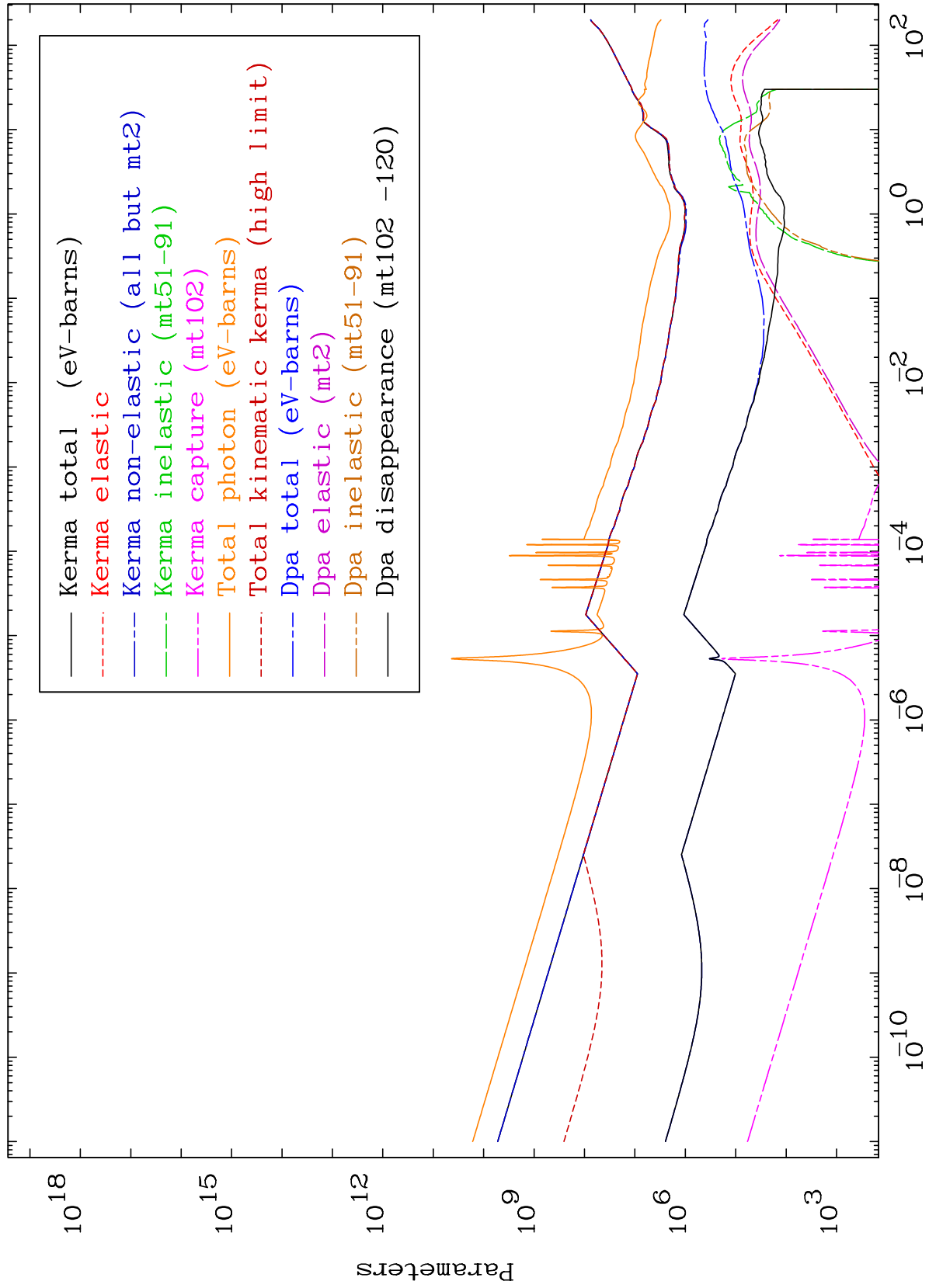
39-Y -85



13

Incident Energy (MeV)

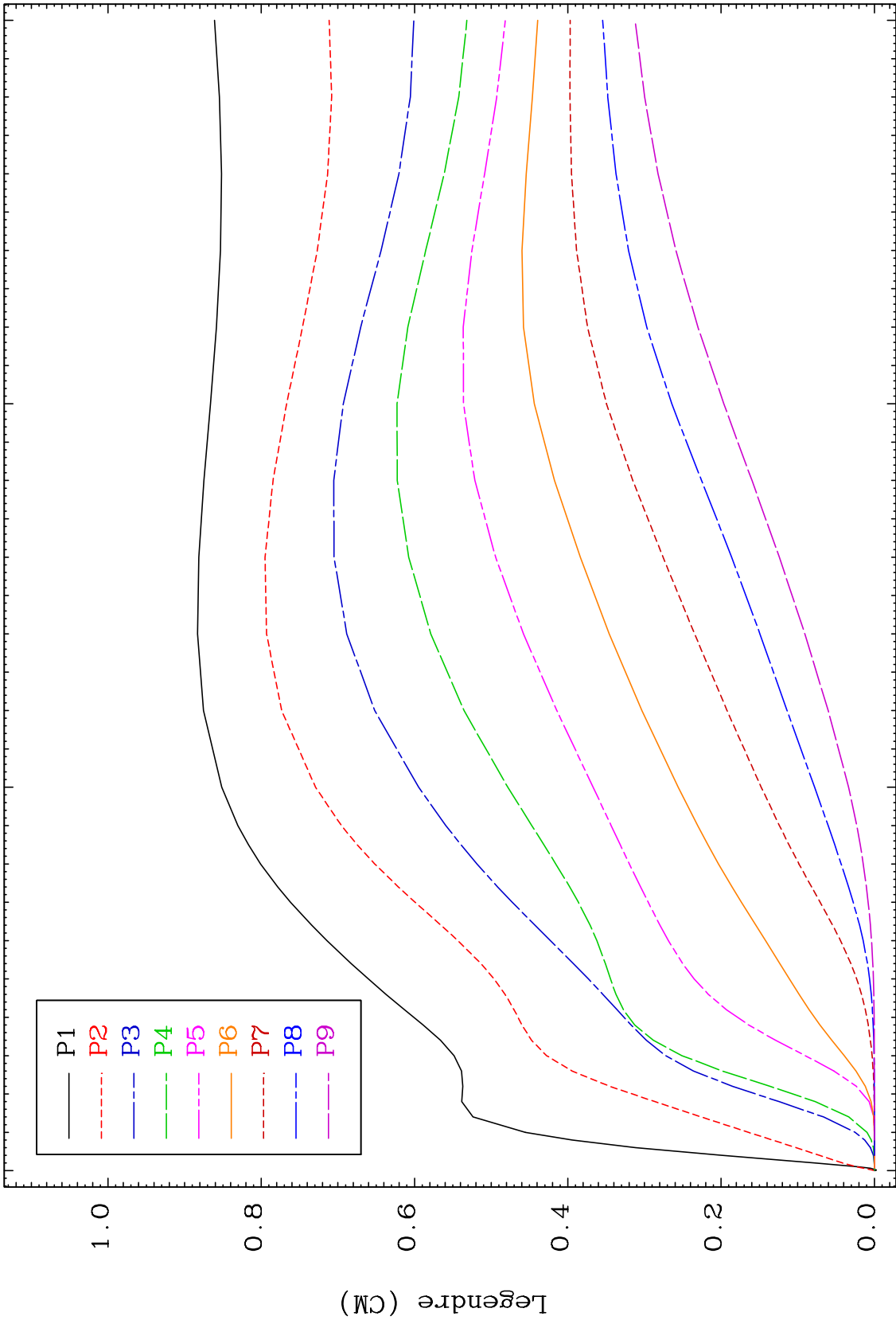
39-Y -85



MAT 3913

Elastic Legendre Coefficients

39-Y -85



0

15

10

20

30

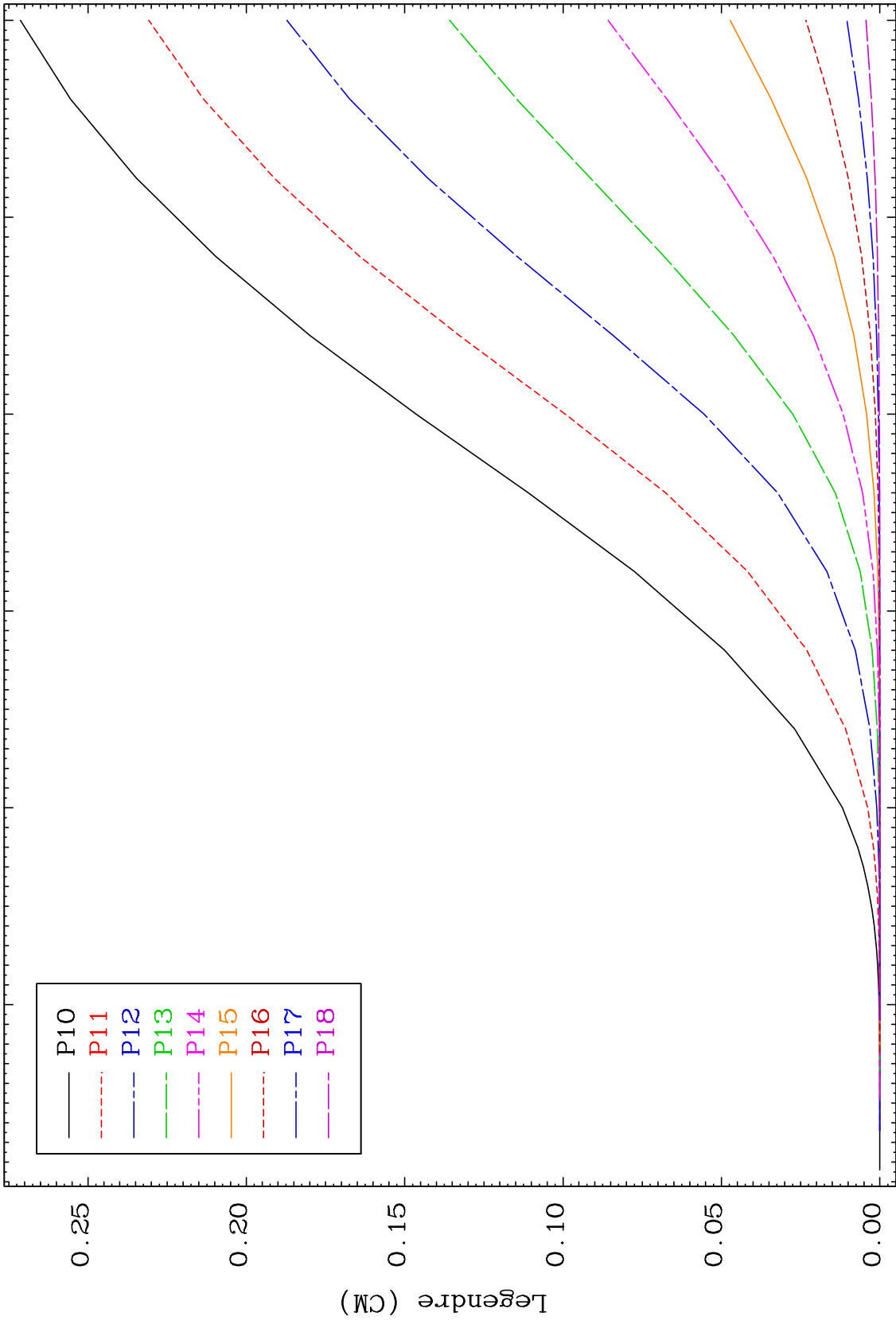
Incident Energy (MeV)

39-Y -85

MAT 3913

Elastic Legendre Coefficients

39-Y -85



16

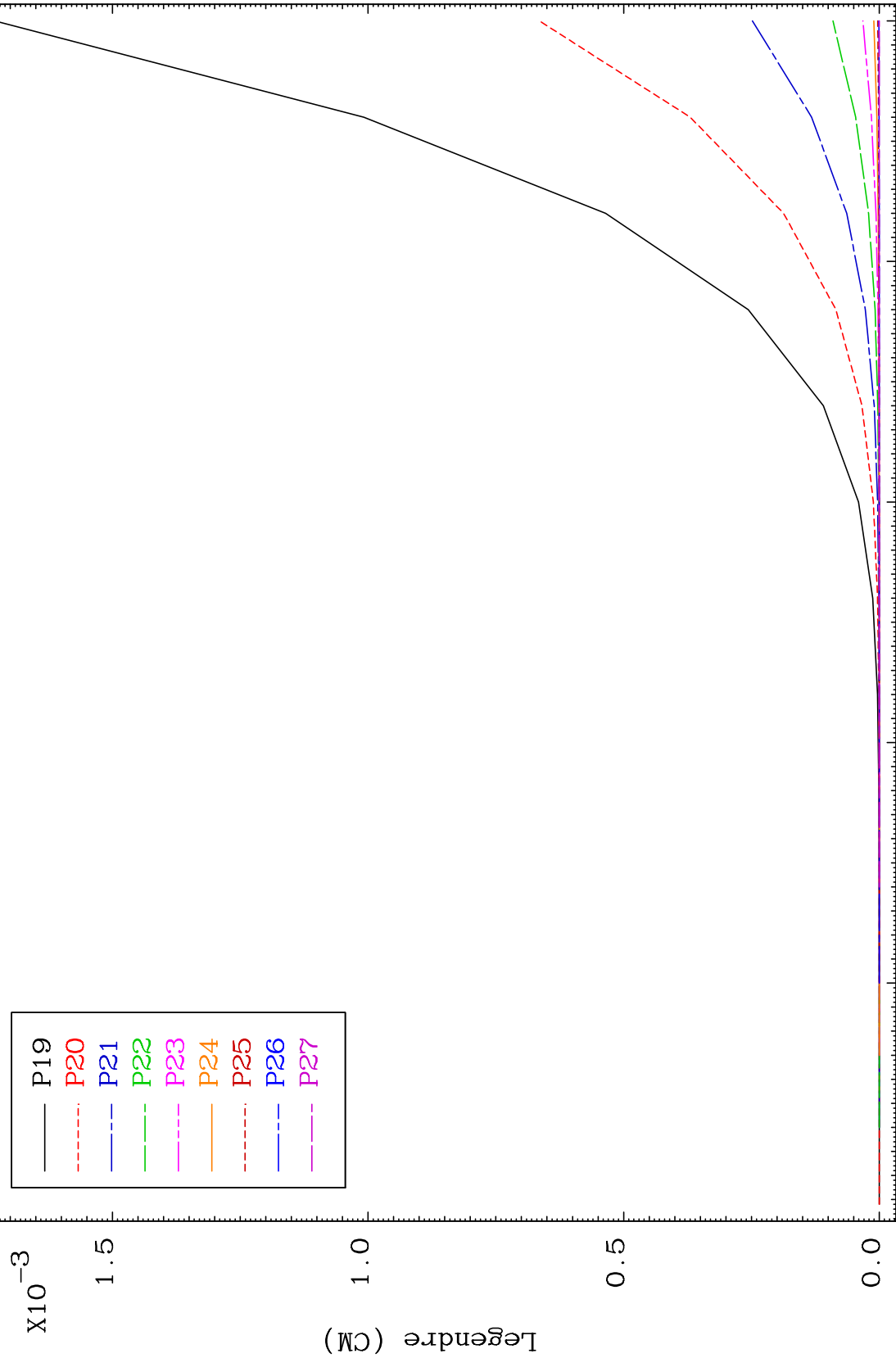
Incident Energy (MeV)

39-Y -85

MAT 3913

Elastic Legendre Coefficients

39-Y -85



17

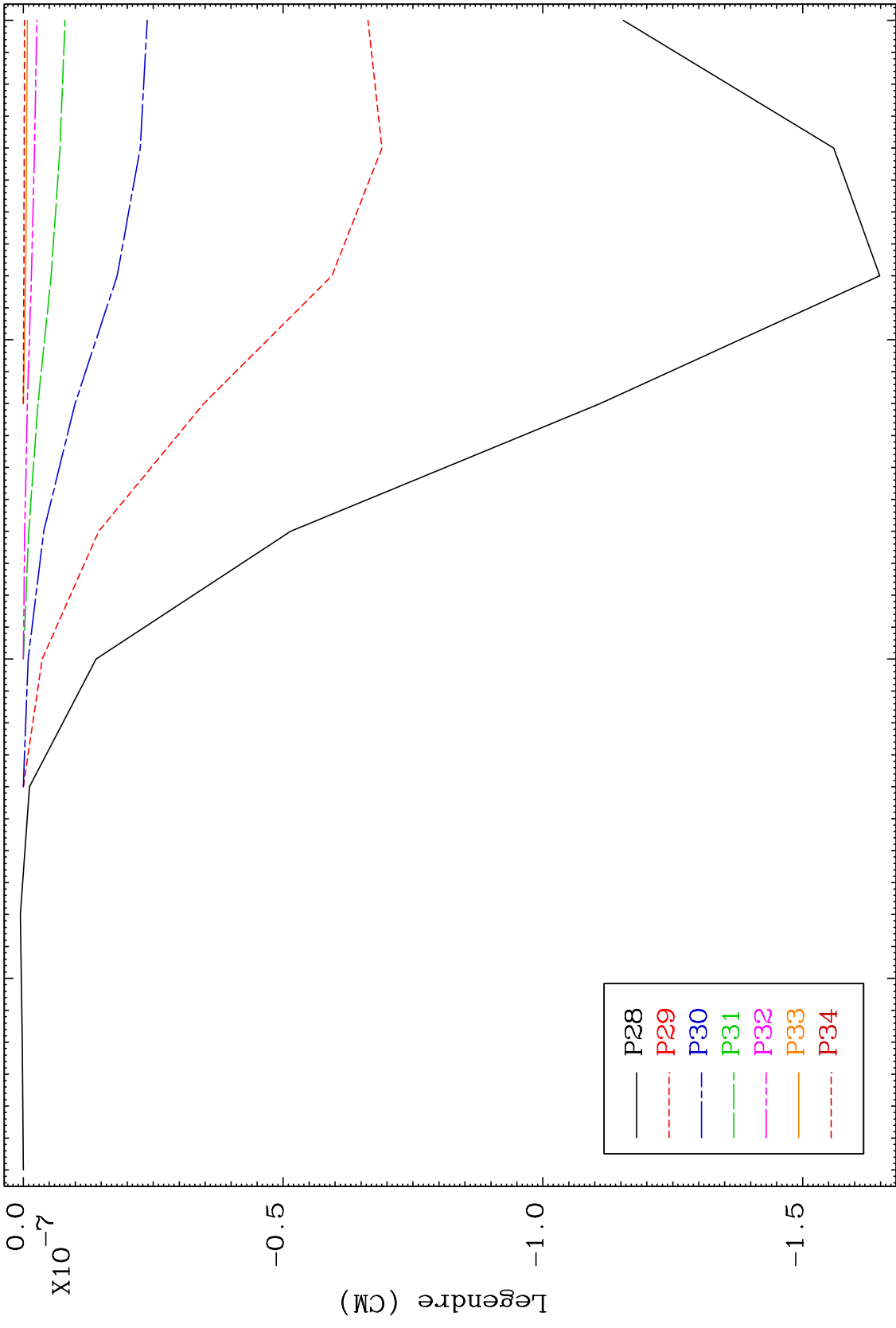
Incident Energy (MeV)

39-Y -85

MAT 3913

Elastic Legendre Coefficients

39-Y -85

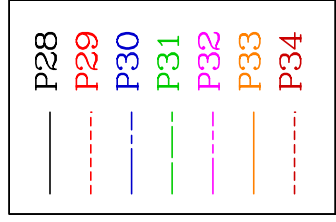


Legendre (CM)
X10⁻⁷

18

Incident Energy (MeV)

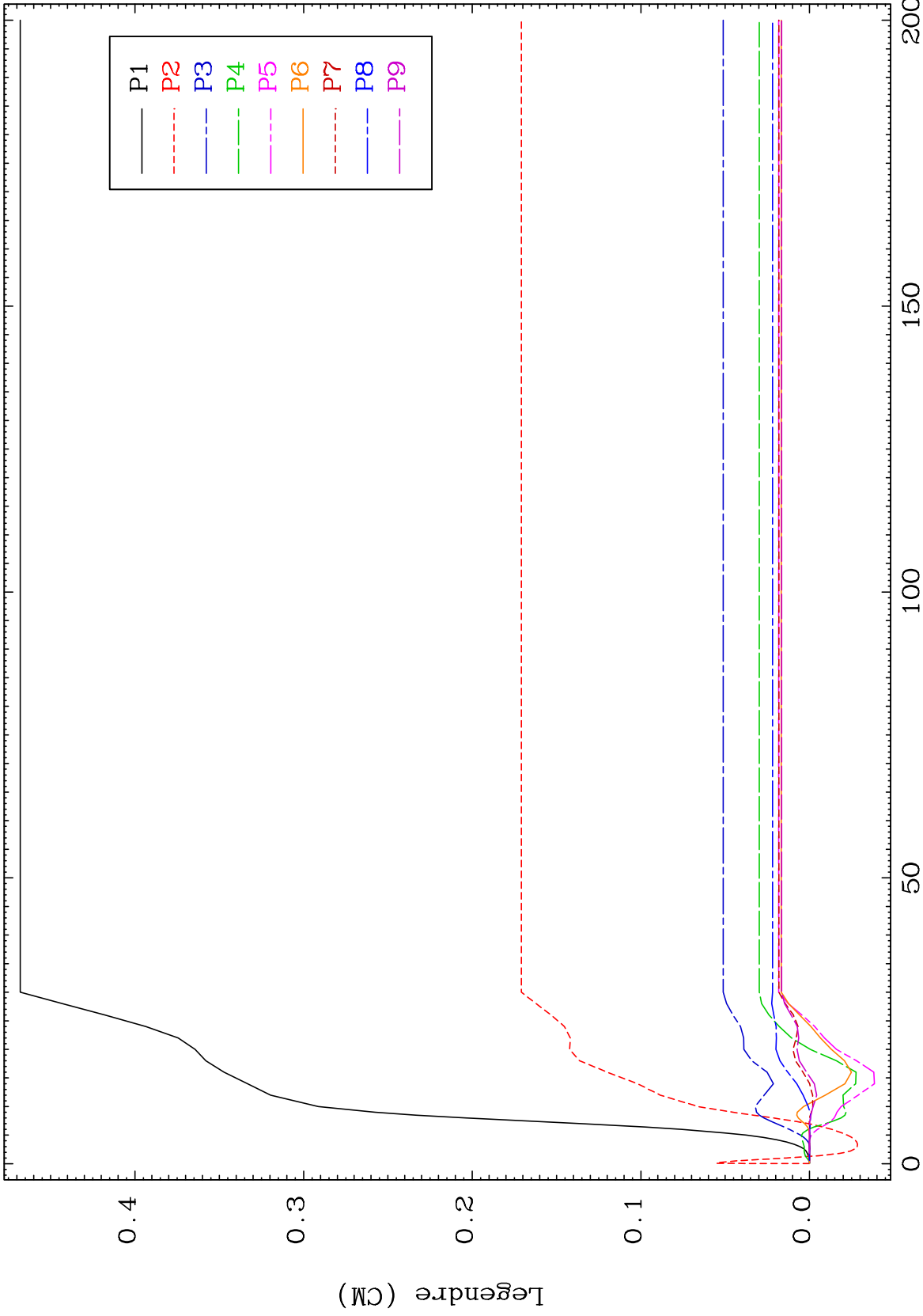
39-Y -85



MAT 3913

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

39-Y -85



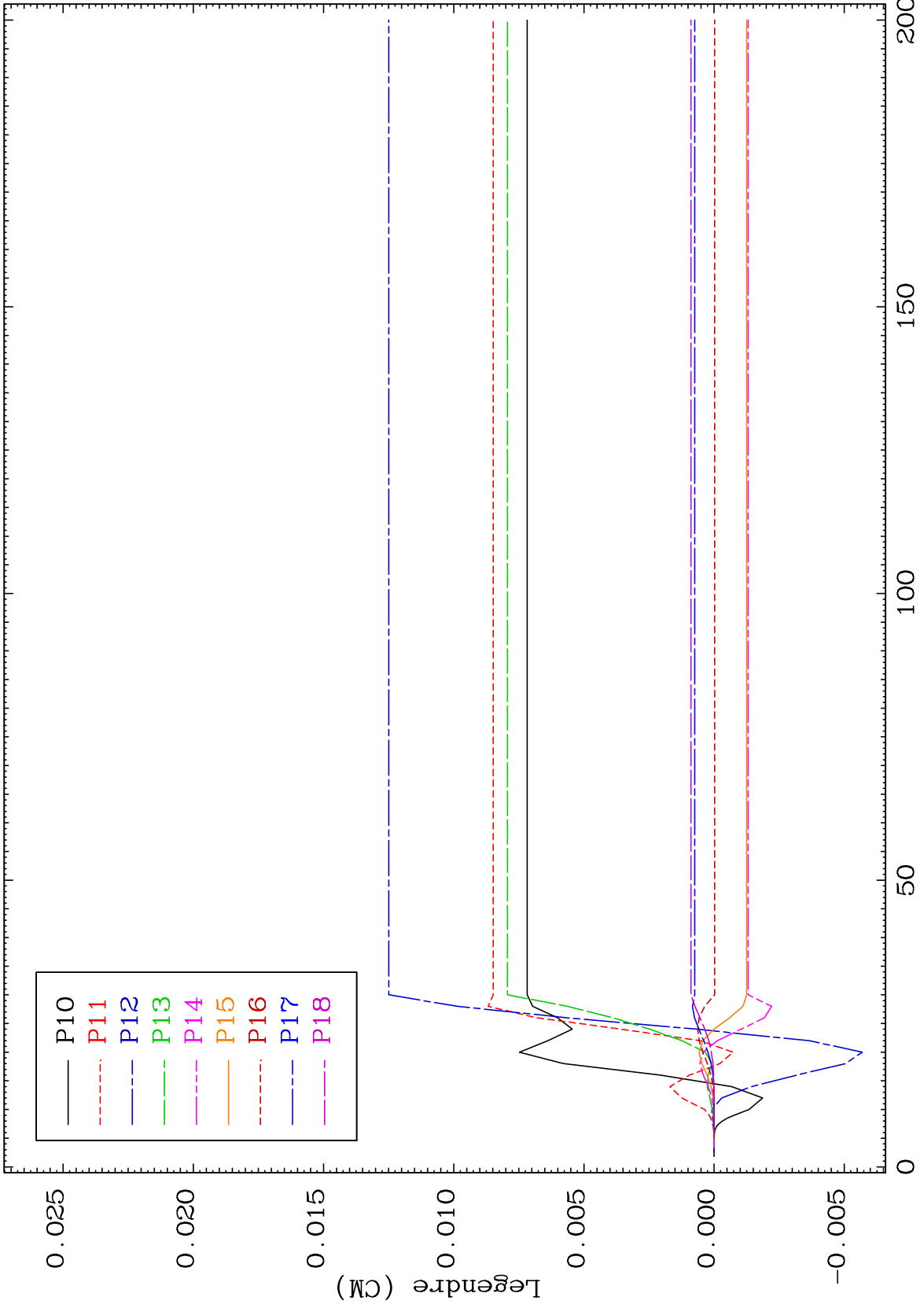
19

39-Y -85

MAT 3913

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

39-Y -85



0

50

100

150

200

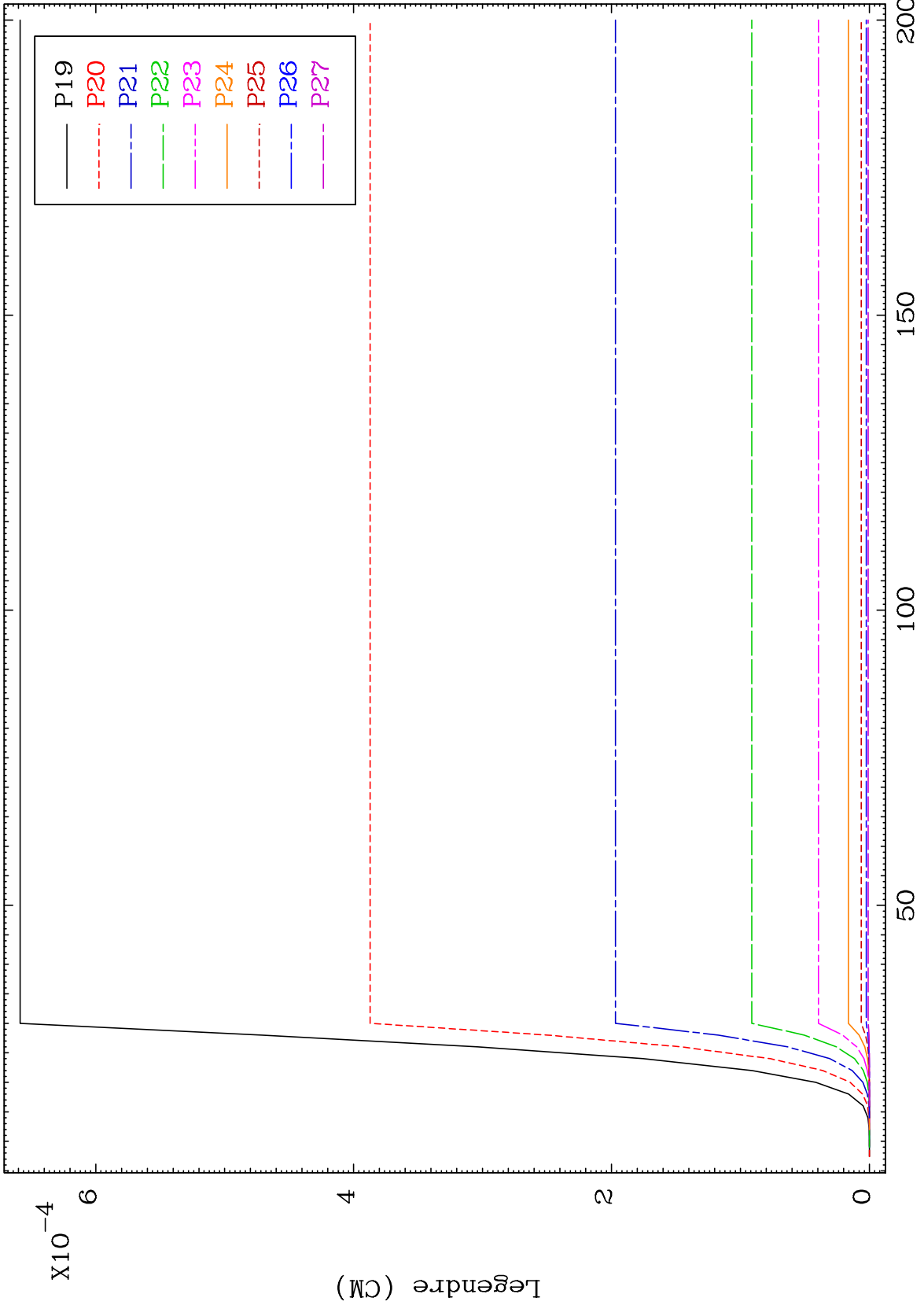
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



21

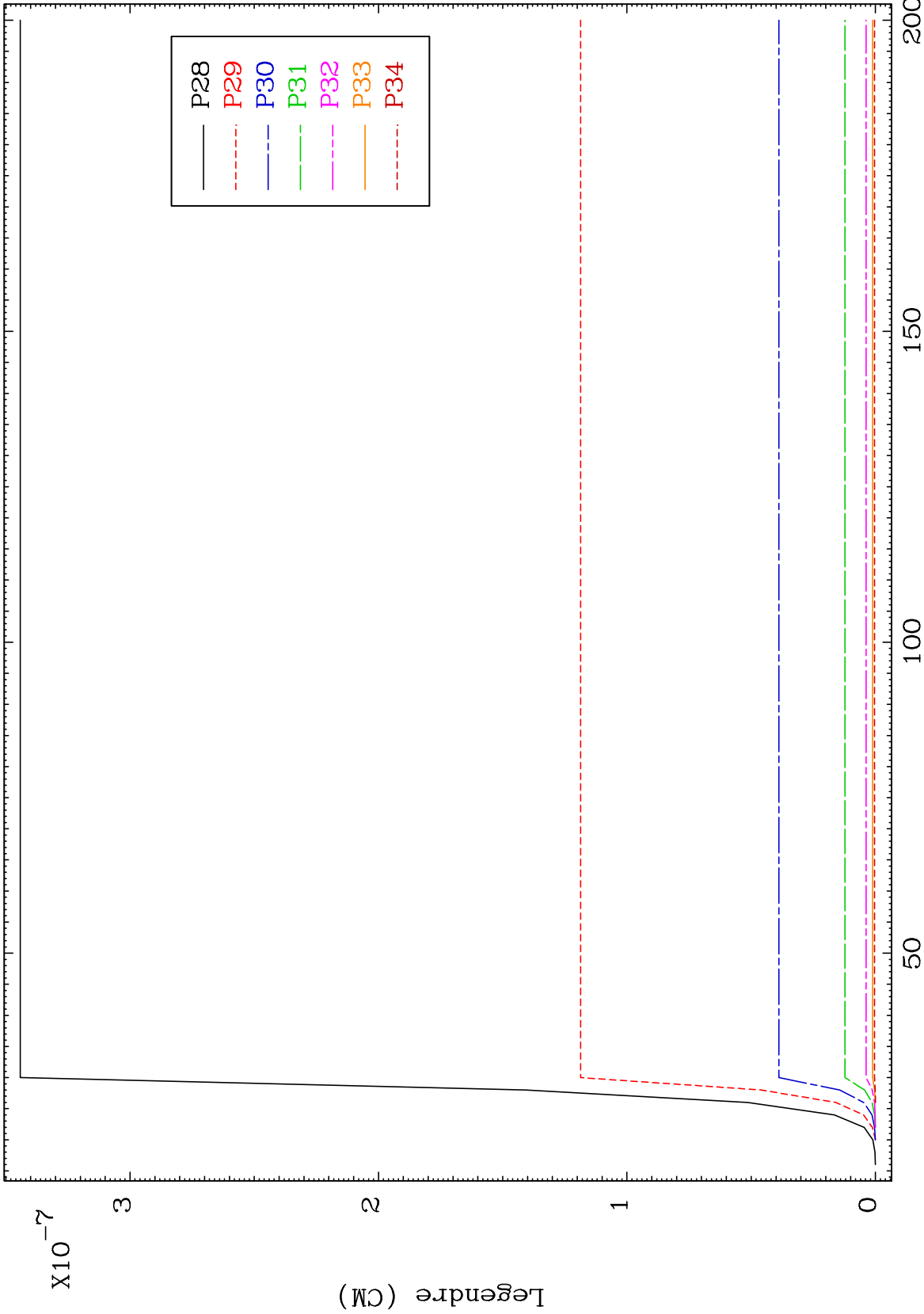
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



22

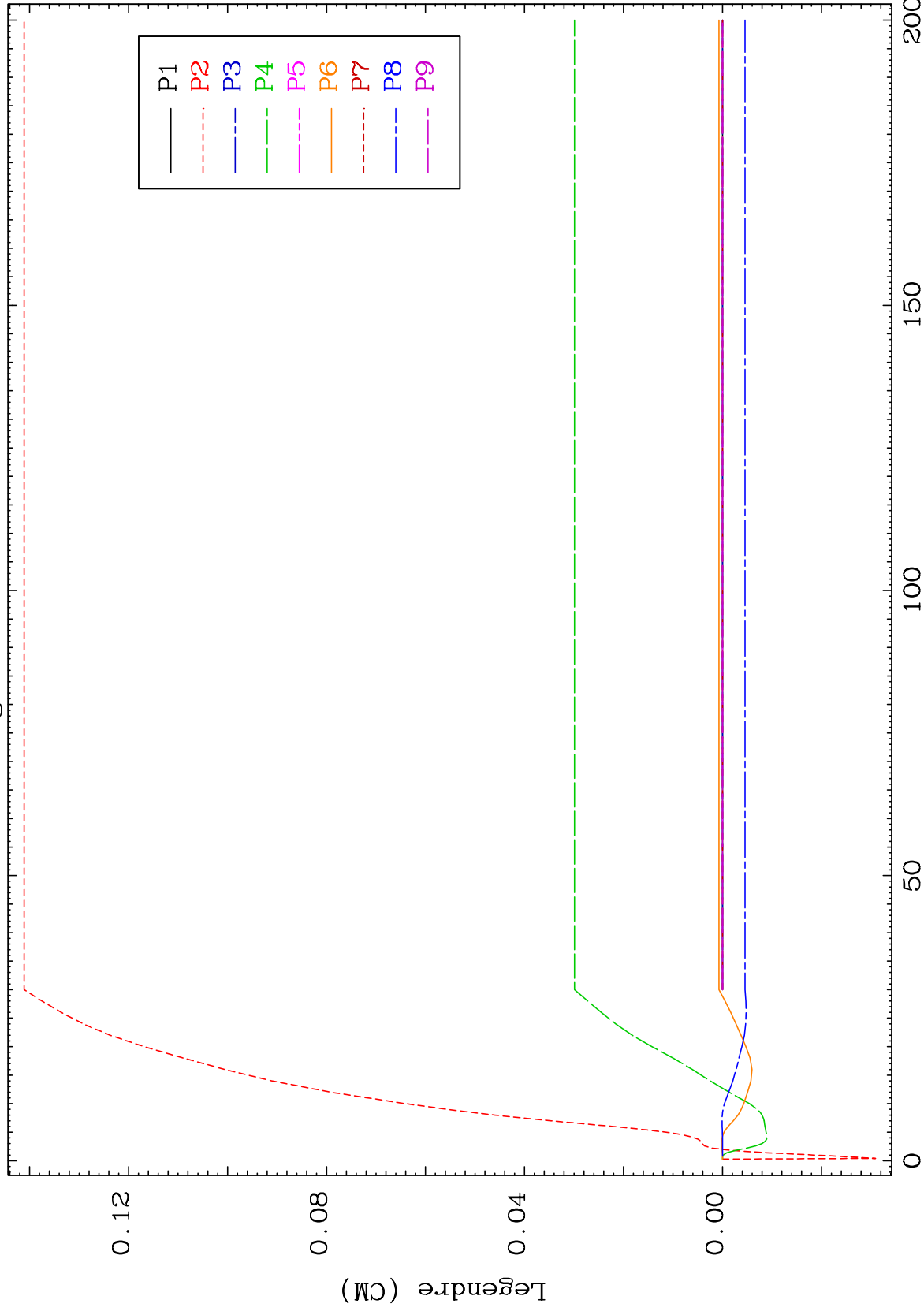
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



23

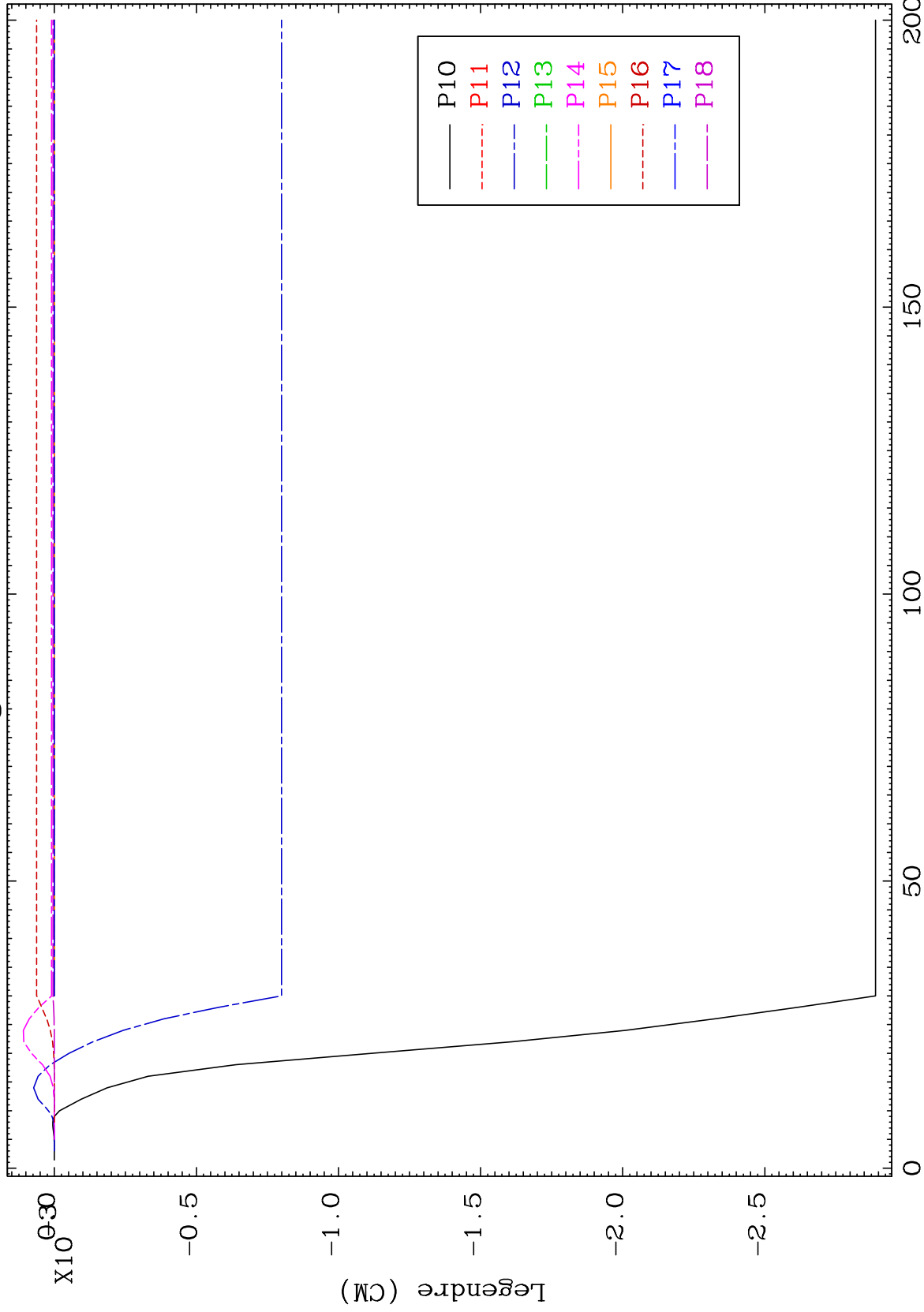
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



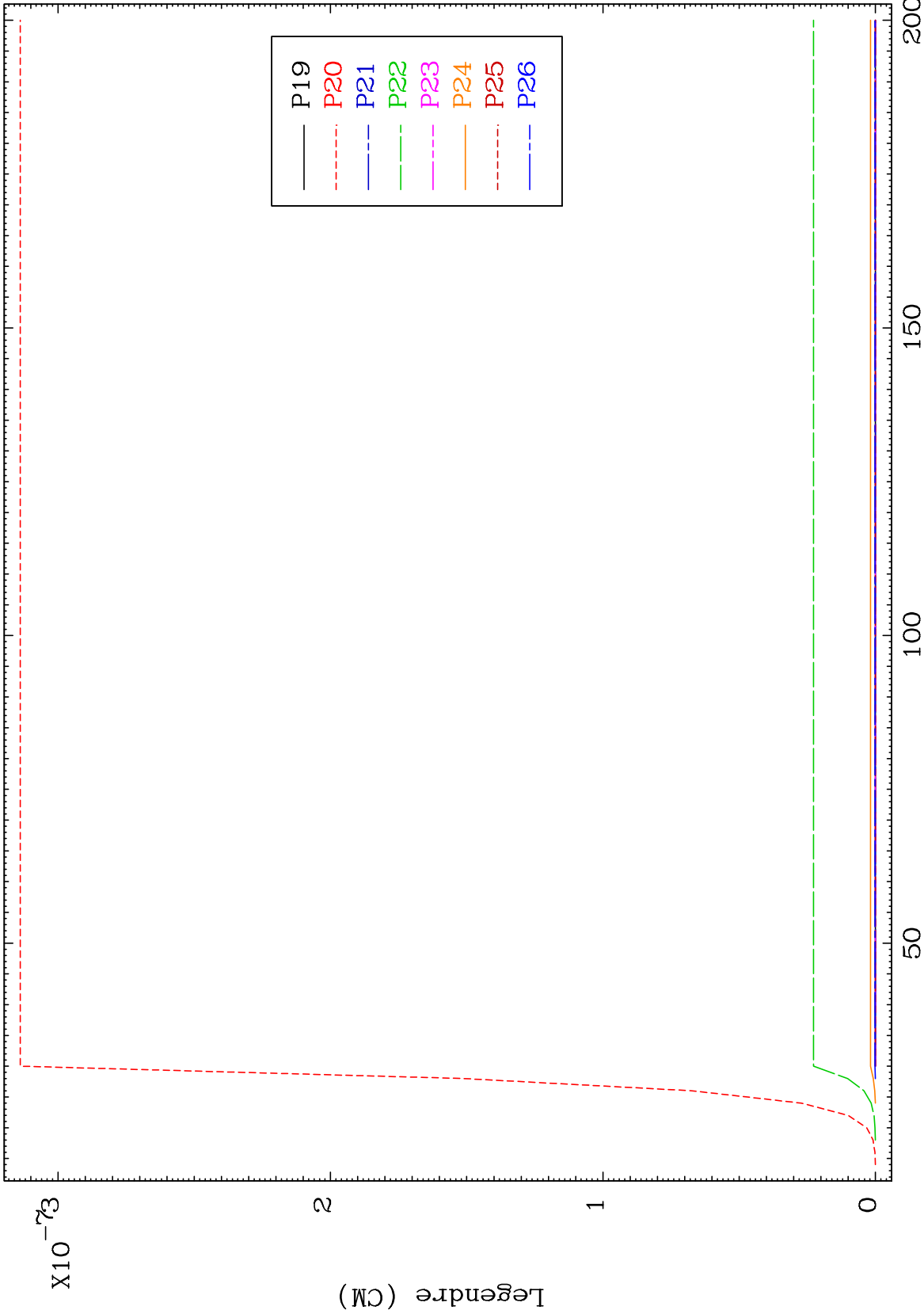
24

Incident Energy (MeV)

39-Y -85

MAT 3913 MT= 52 (n,n') Level Legendre Coefficients

39-Y -85



39-Y -85

Incident Energy (MeV)

25

50

100

150

200

10^{-73}

2

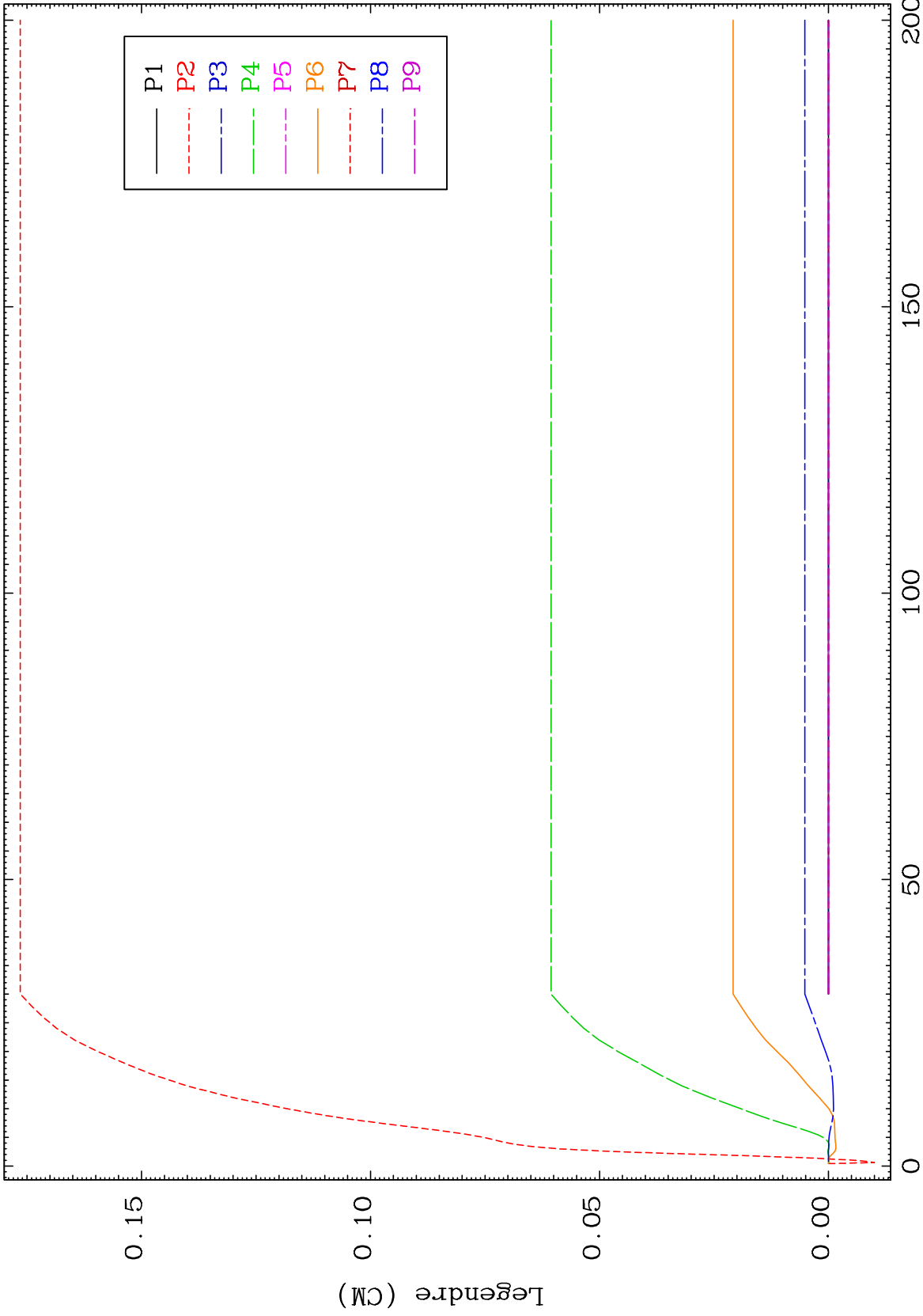
1

0

MAT 3913

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

39-Y -85



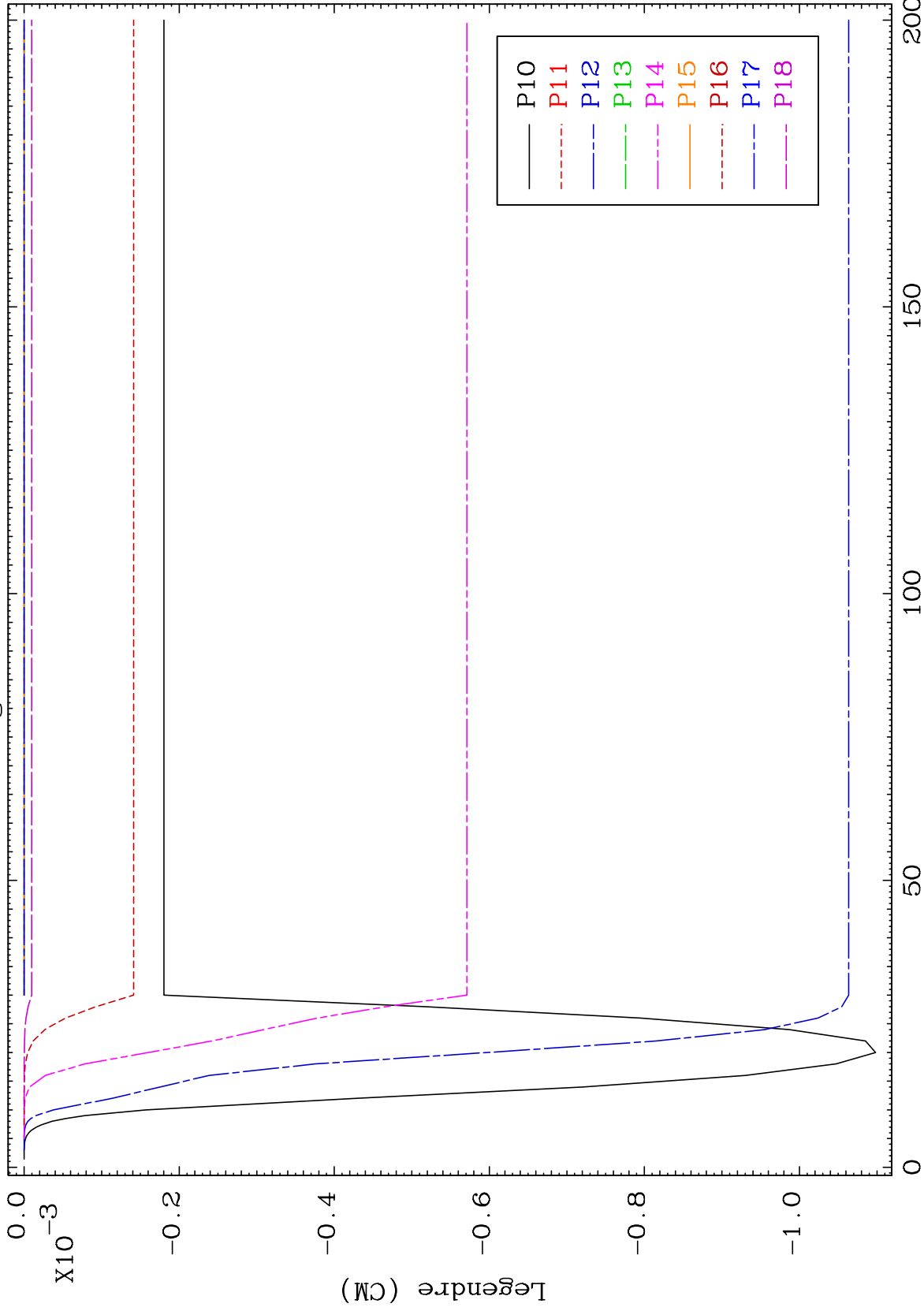
26

Incident Energy (MeV)

39-Y -85

MAT 3913 MT= 53 (n,n') Level 39-Y -85

Legendre Coefficients



27

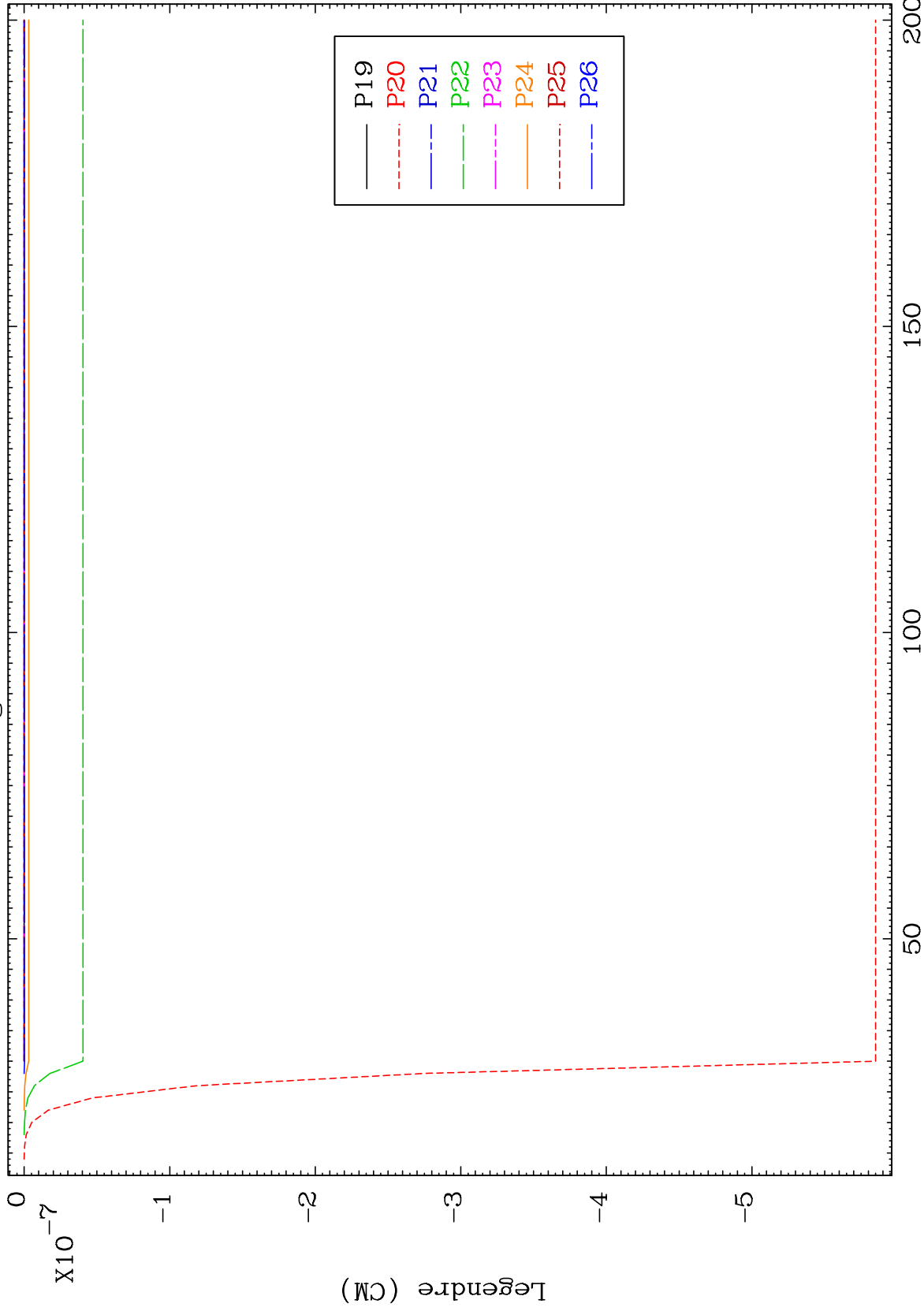
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85

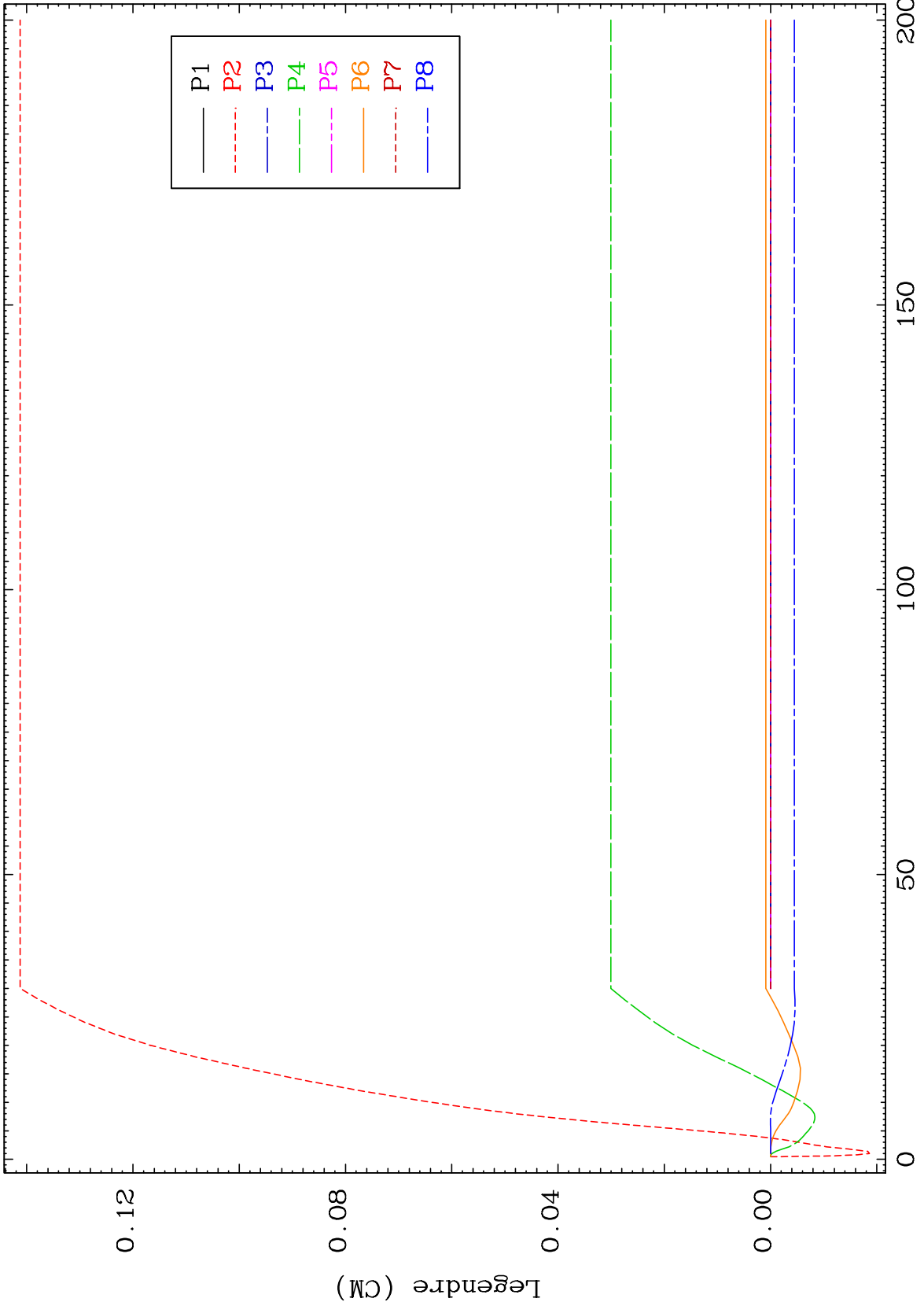


28

Incident Energy (MeV)

39-Y -85

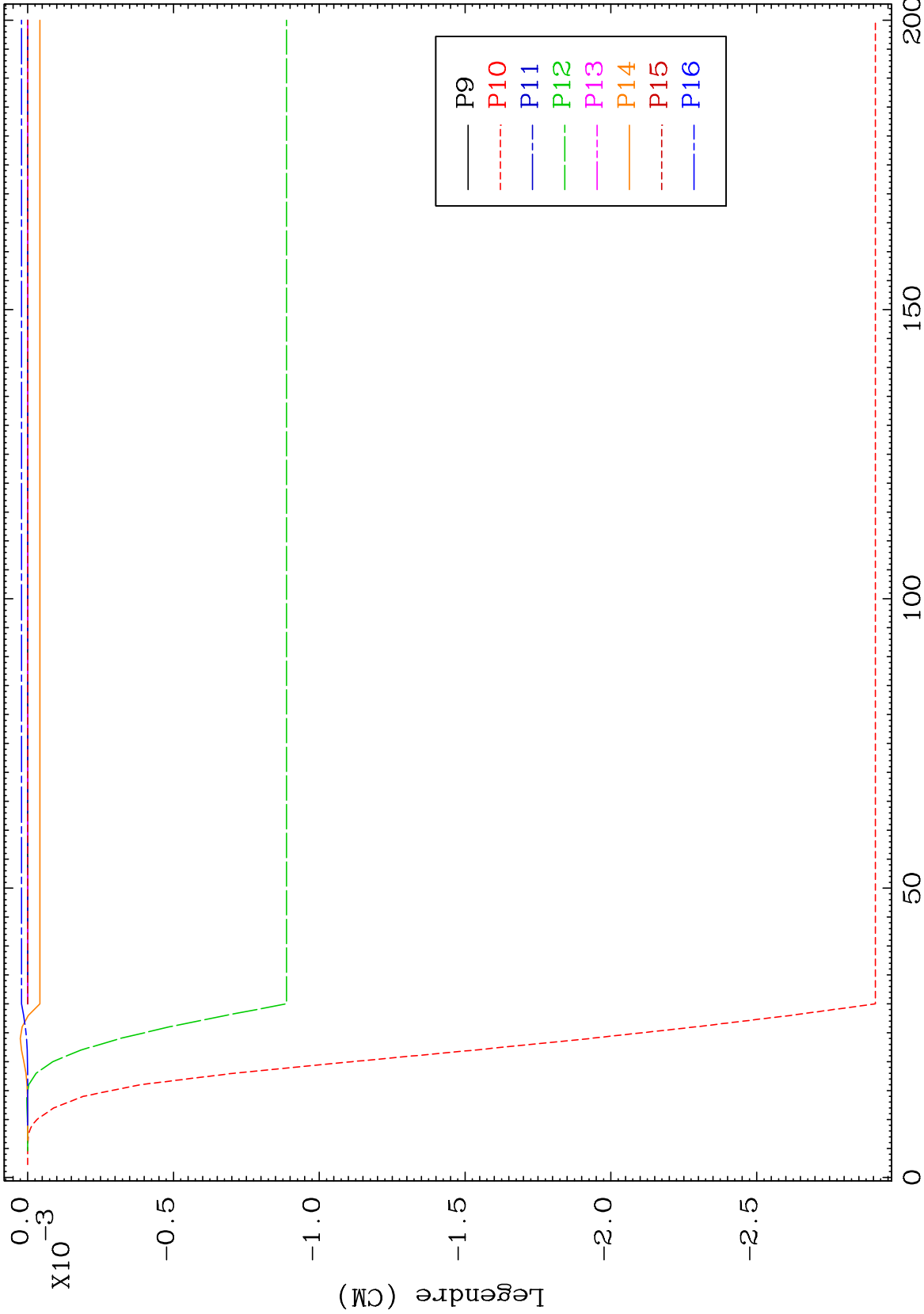
MAT 3913 MT= 54 (n,n') Level Legendre Coefficients 39-Y -85



29 39-Y -85

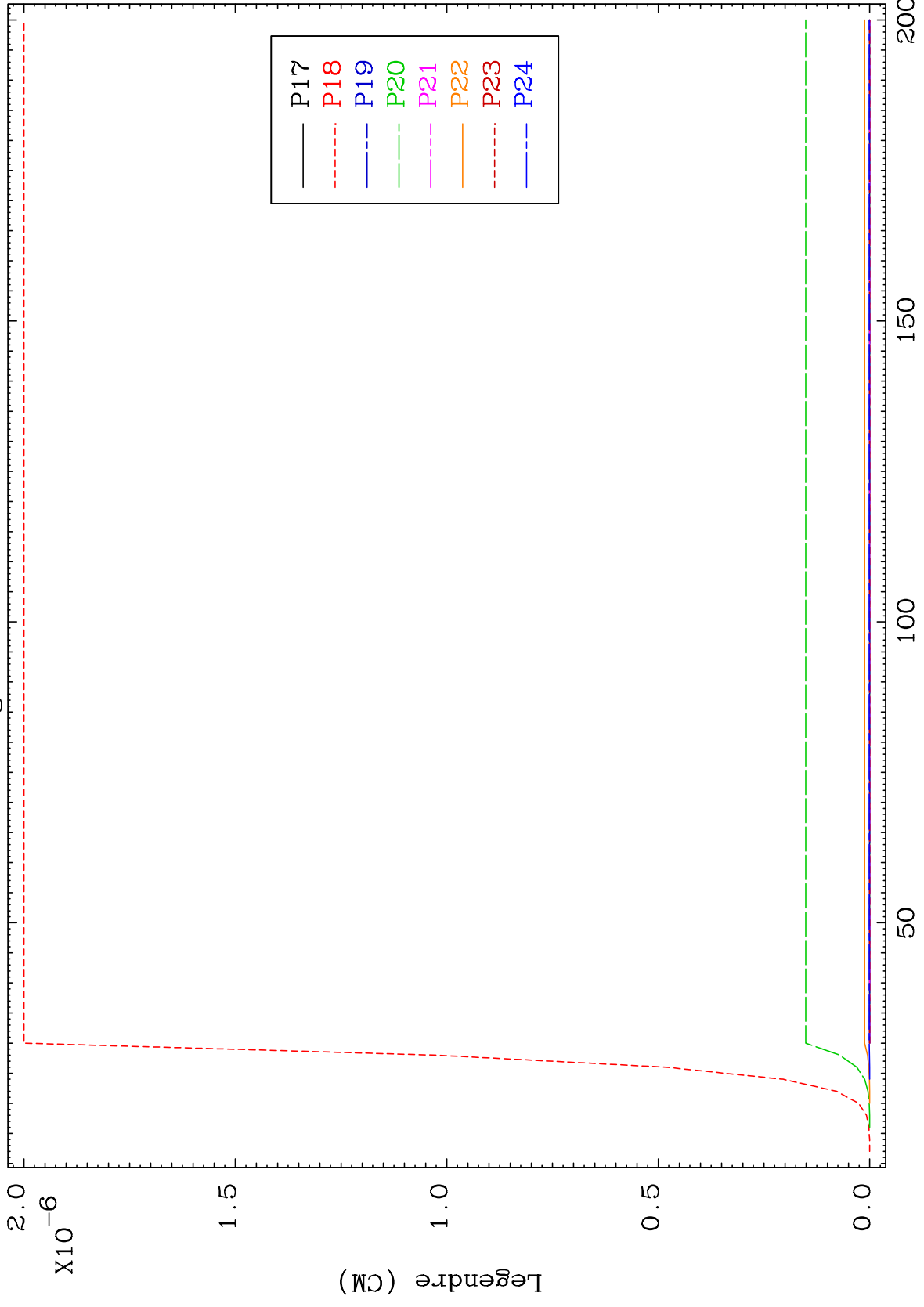
MAT 3913 MT= 54 (n,n') Level 39-Y -85

Legendre Coefficients



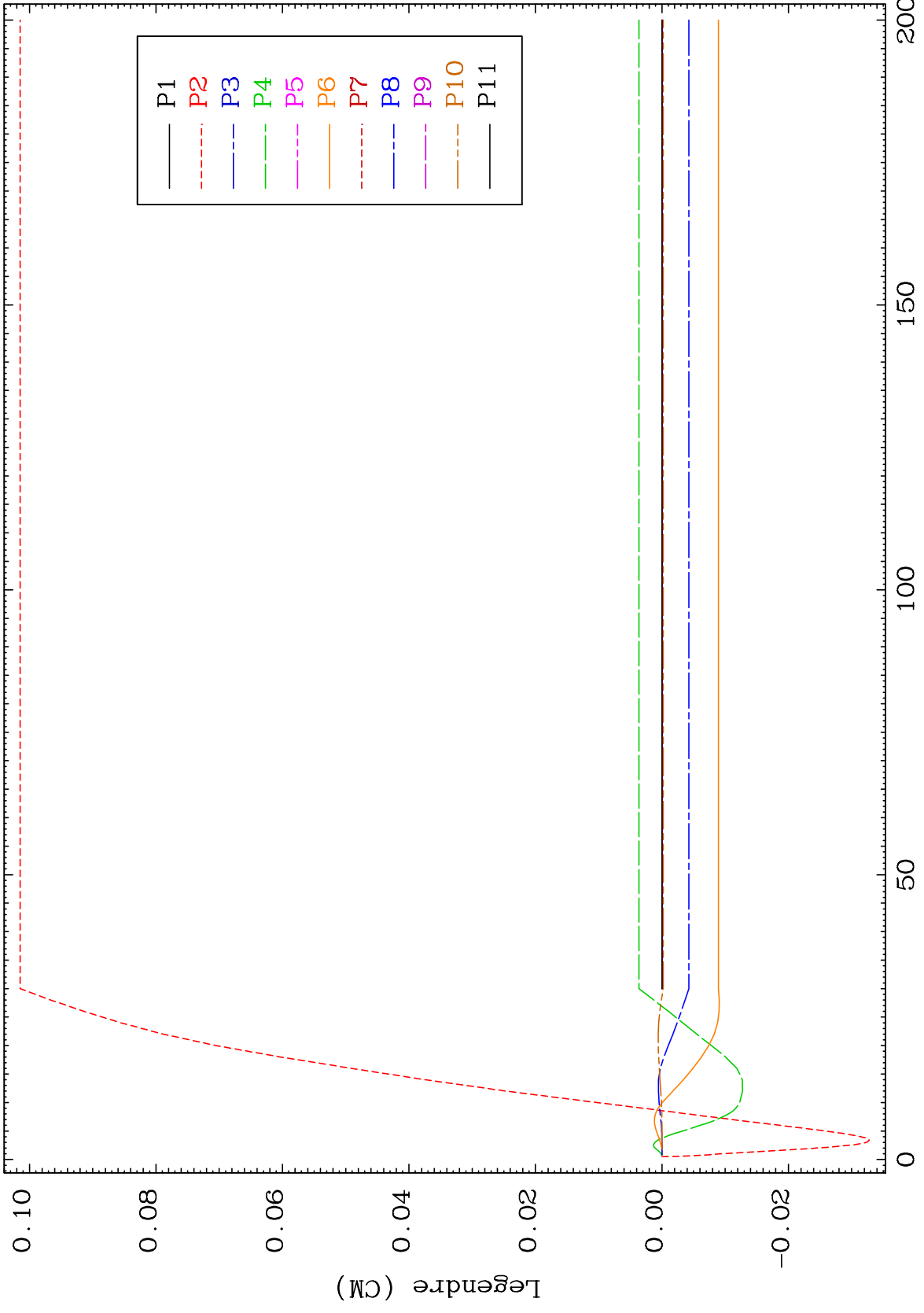
30 Incident Energy (MeV) 150 200 39-Y -85

MAT 3913 MT= 54 (n,n') Level Legendre Coefficients 39-Y -85



31 Incident Energy (MeV) 39-Y -85

MAT 3913 MT= 55 (n,n') Level Legendre Coefficients 39-Y -85

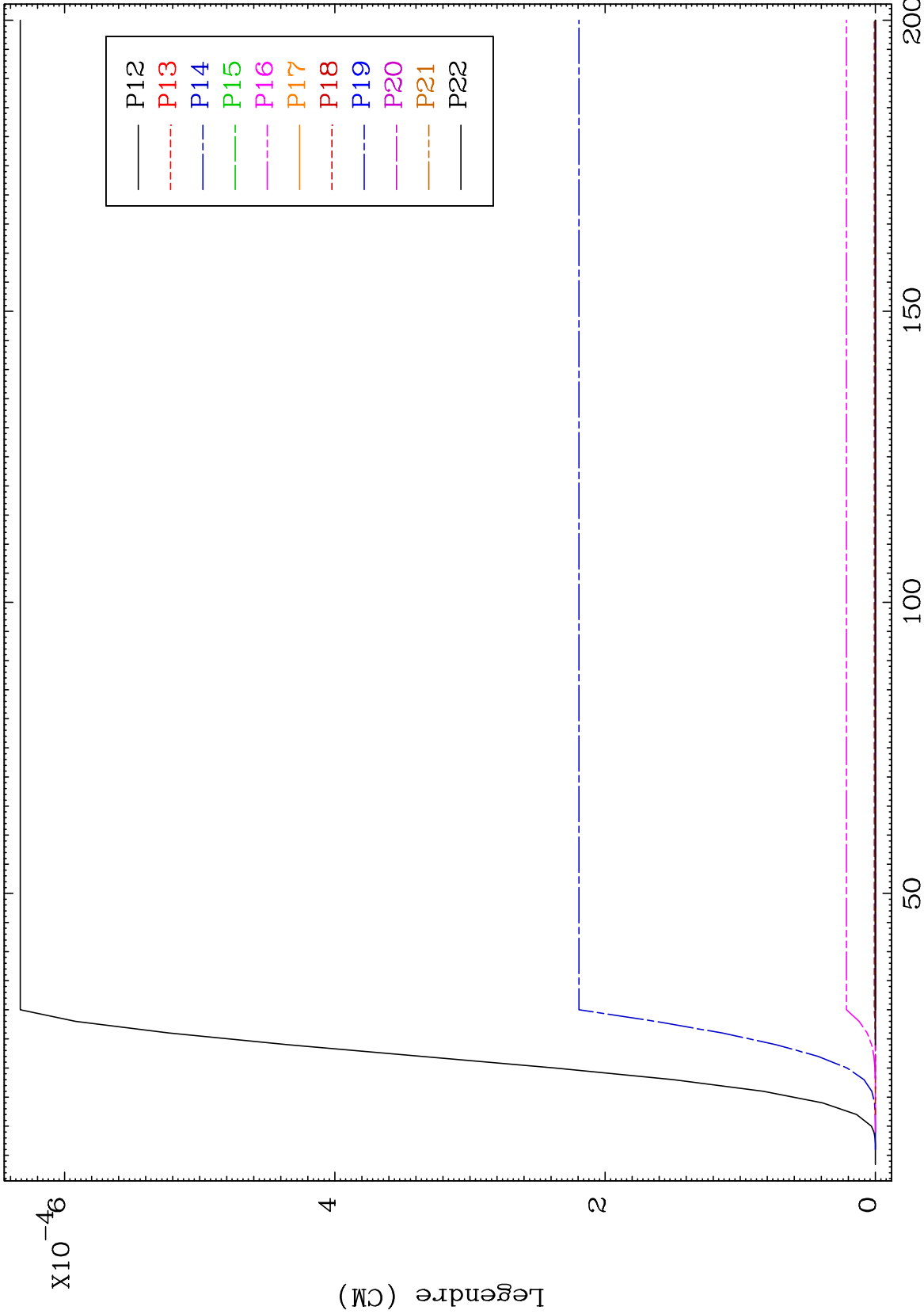


32 Incident Energy (MeV) 39-Y -85

MAT 3913

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

39-Y -85

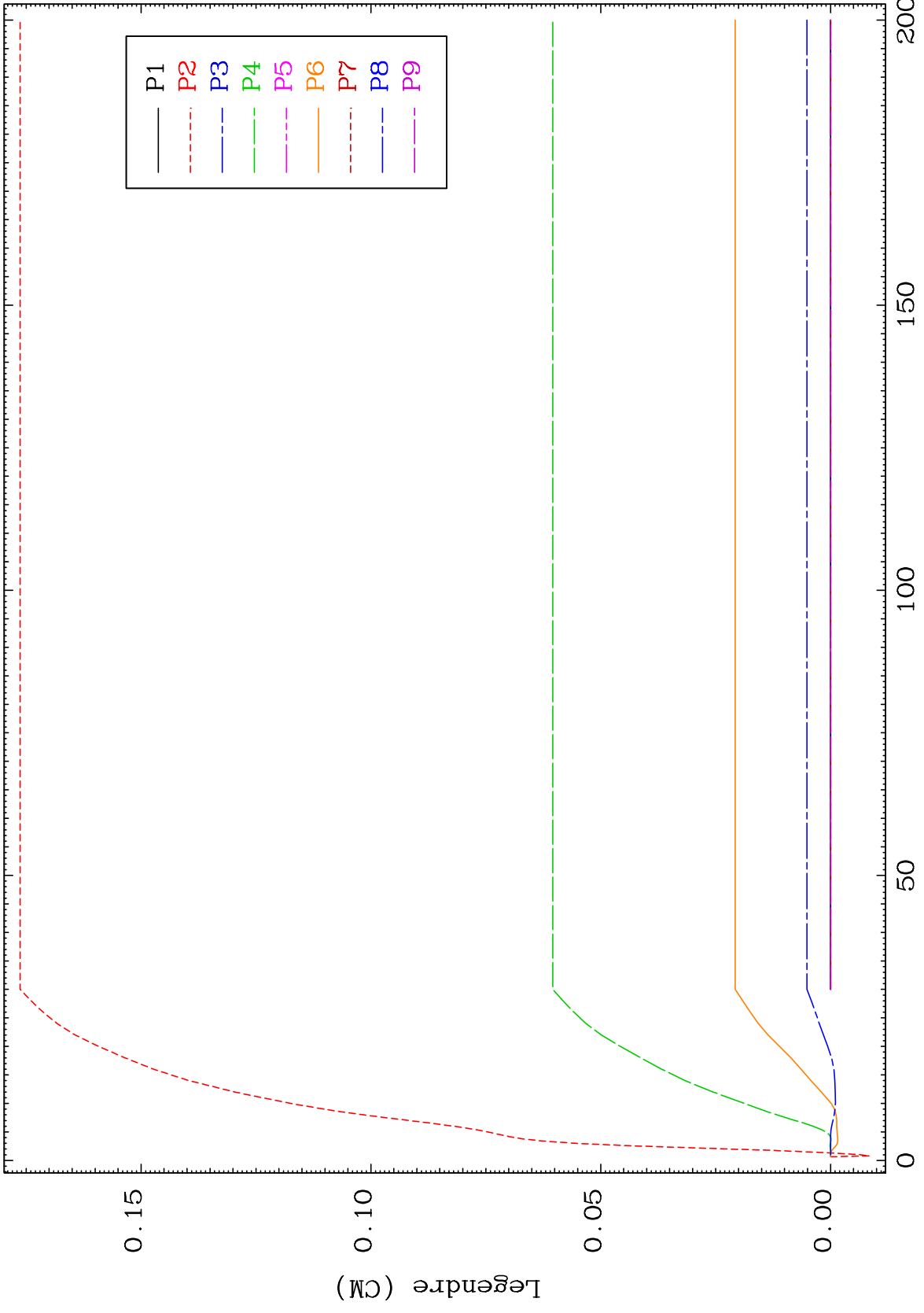


33

Incident Energy (MeV)

39-Y -85

MAT 3913 MT= 56 (n,n') Level Legendre Coefficients 39-Y -85

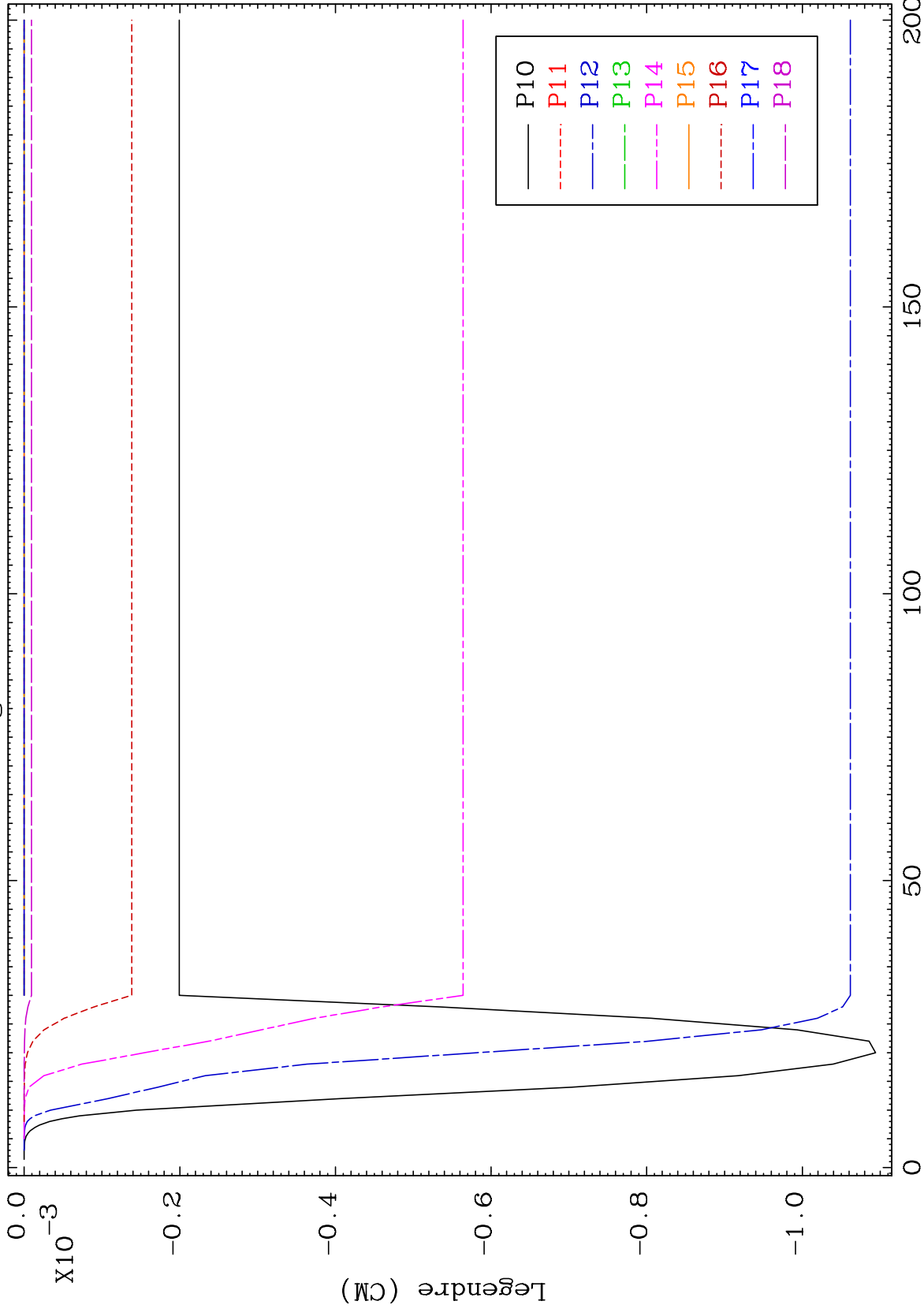


34 39-Y -85

MAT 3913

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

39-Y -85

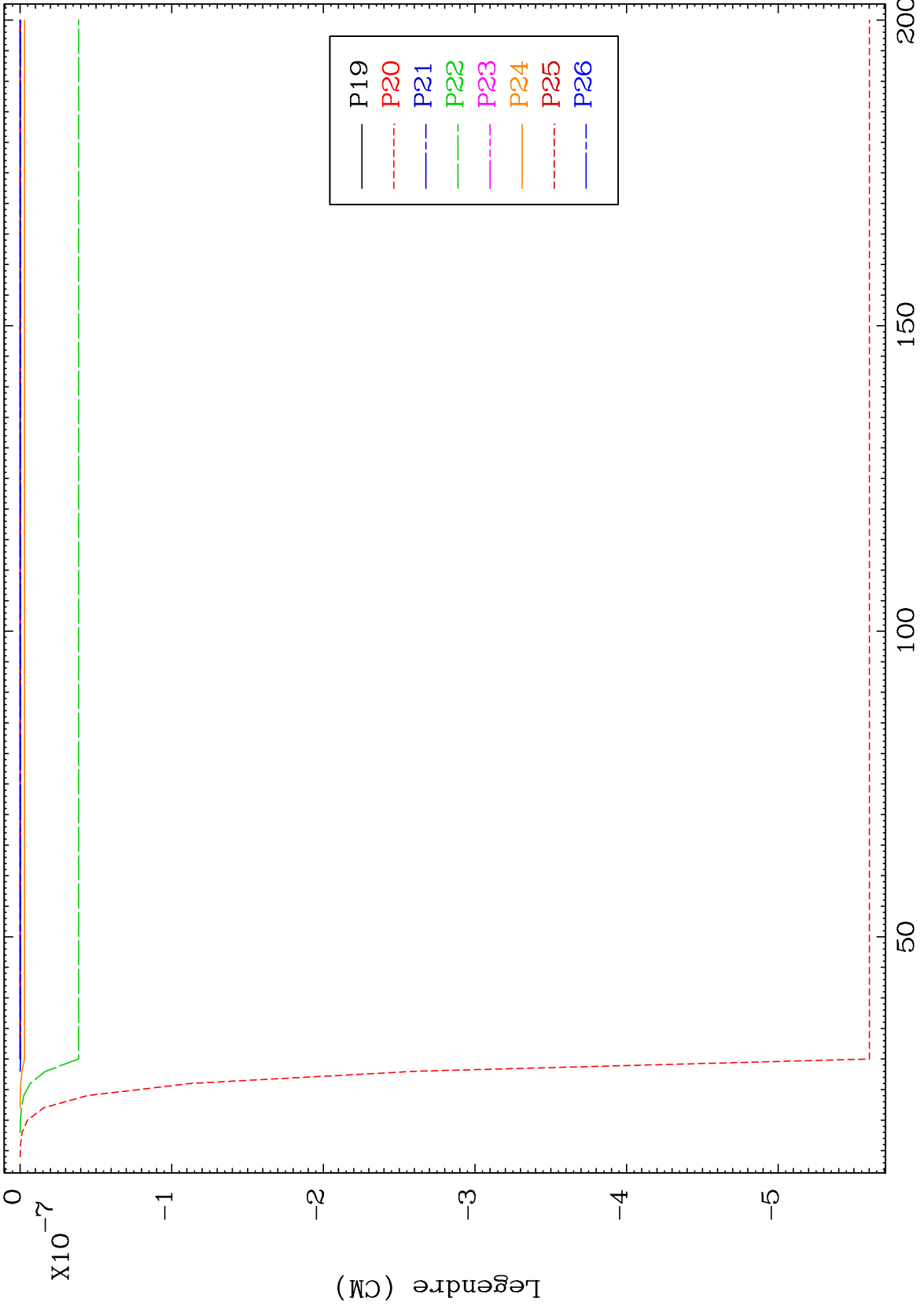


39-Y -85

Incident Energy (MeV)

35

MAT 3913 MT= 56 (n,n') Level Legendre Coefficients 39-Y -85

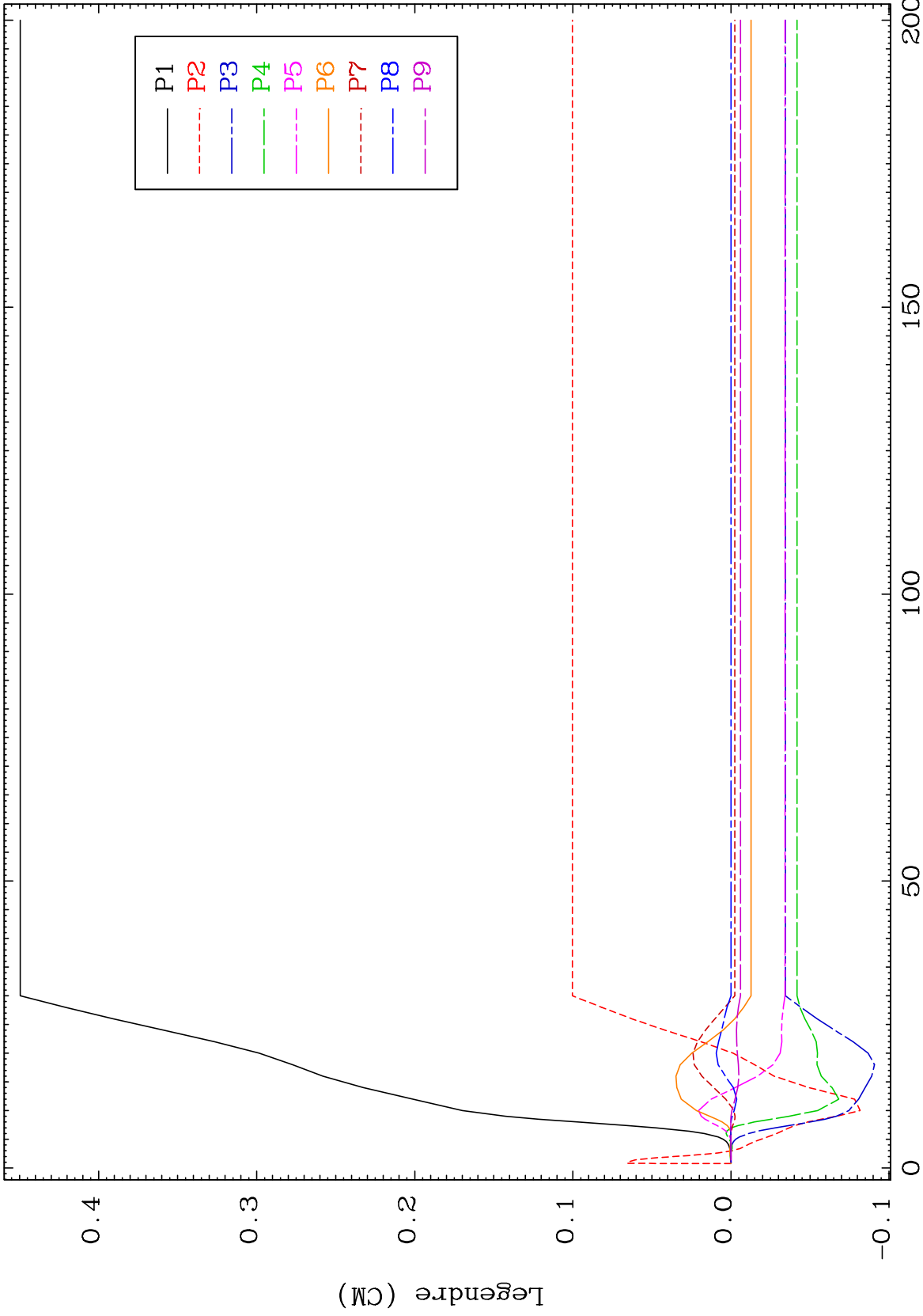


36 39-Y -85

MAT 3913

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

39-Y -85



37

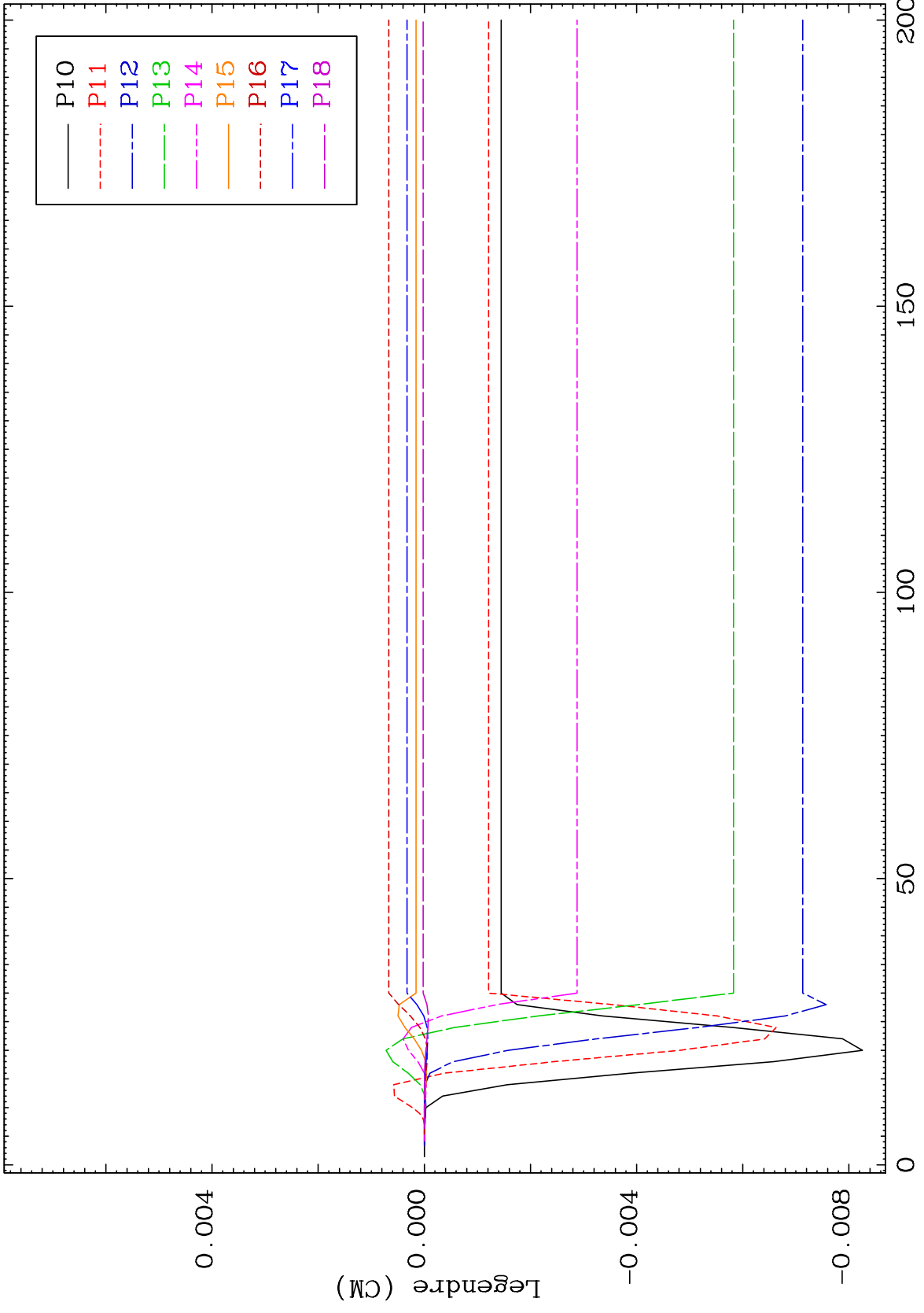
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



38

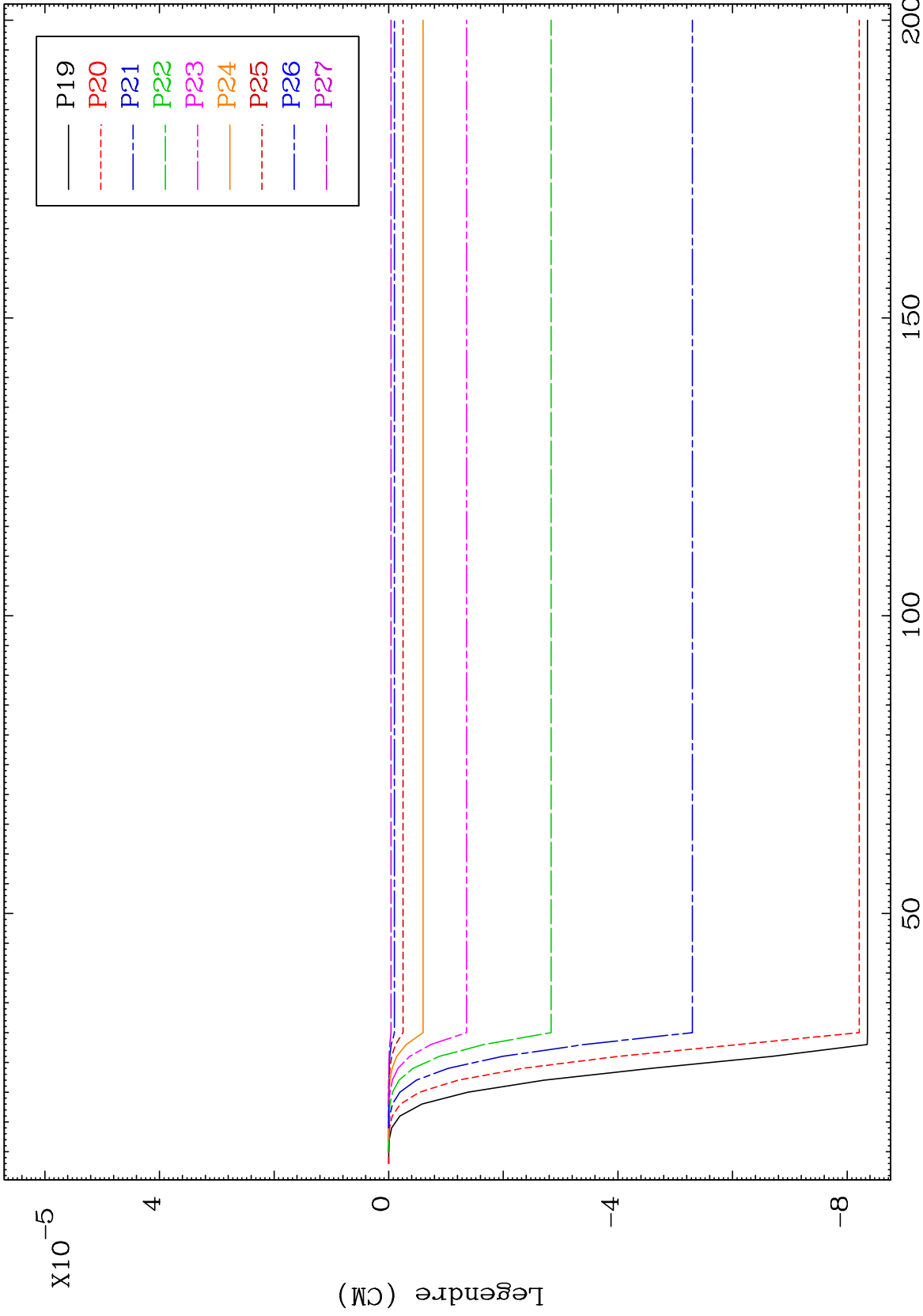
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85

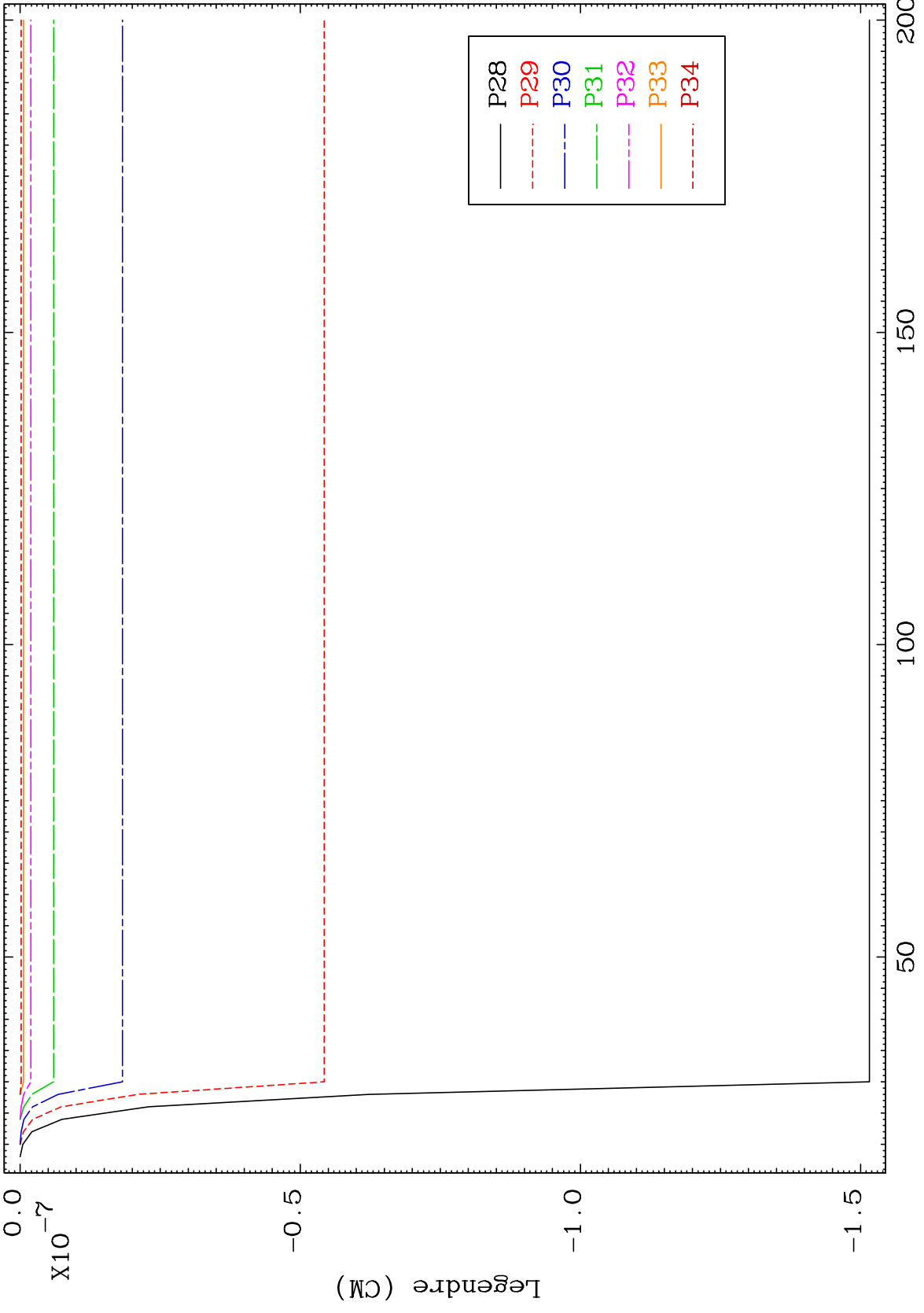


39

Incident Energy (MeV)

39-Y -85

MAT 3913 MT= 57 (n,n') Level Legendre Coefficients 39-Y -85

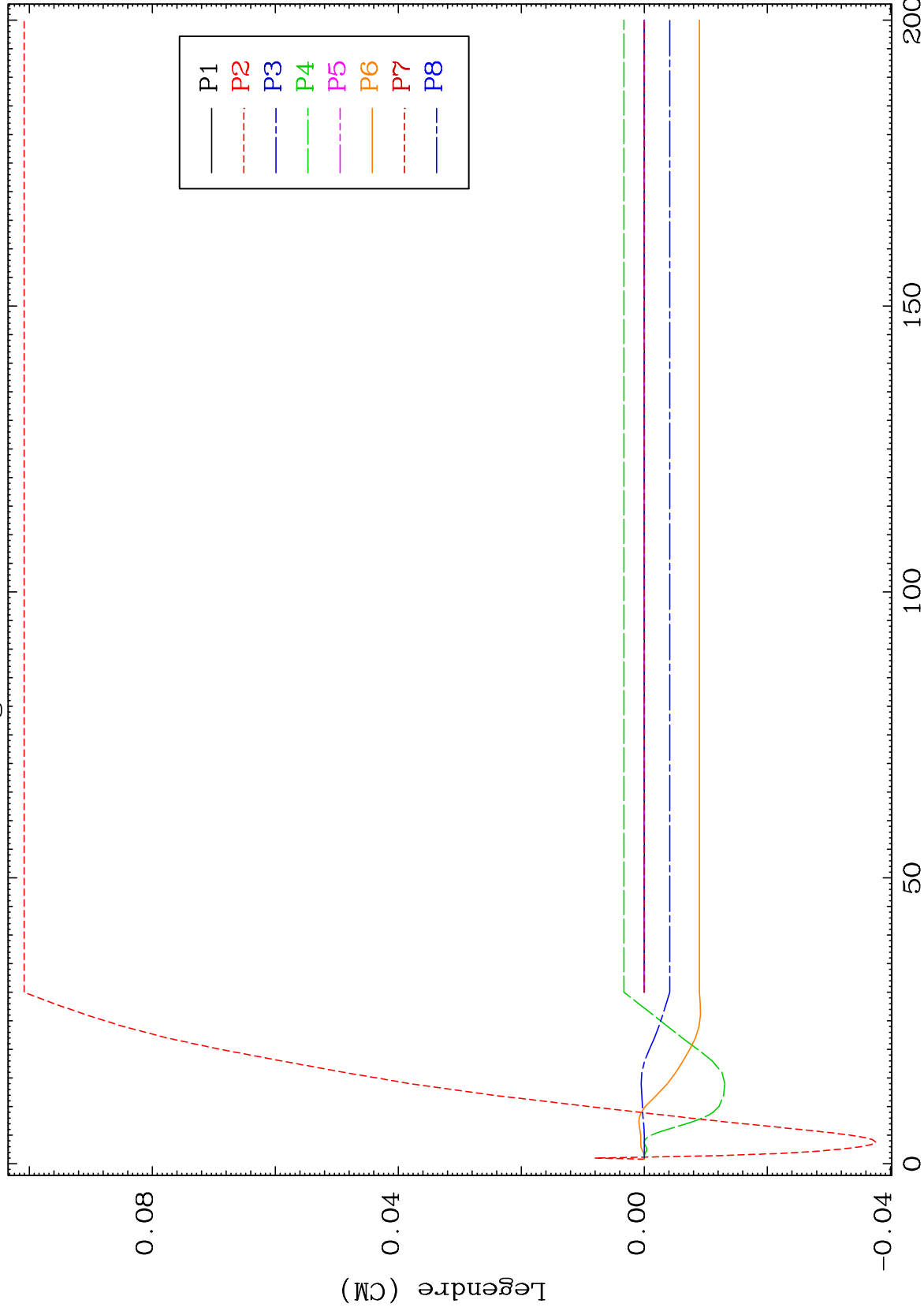


40 Incident Energy (MeV) 50 100 150 200 39-Y -85

MAT 3913

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

39-Y -85



41

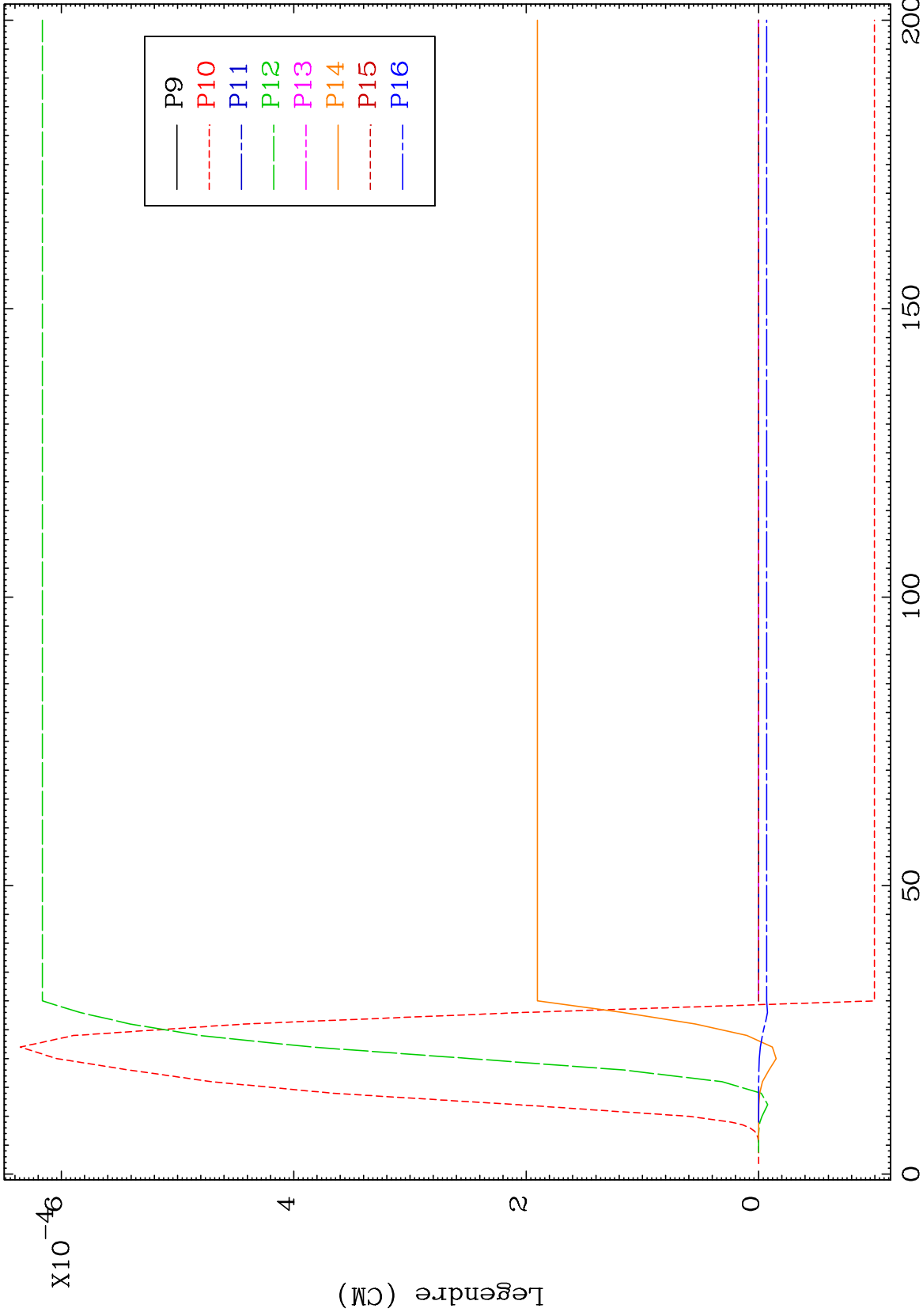
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



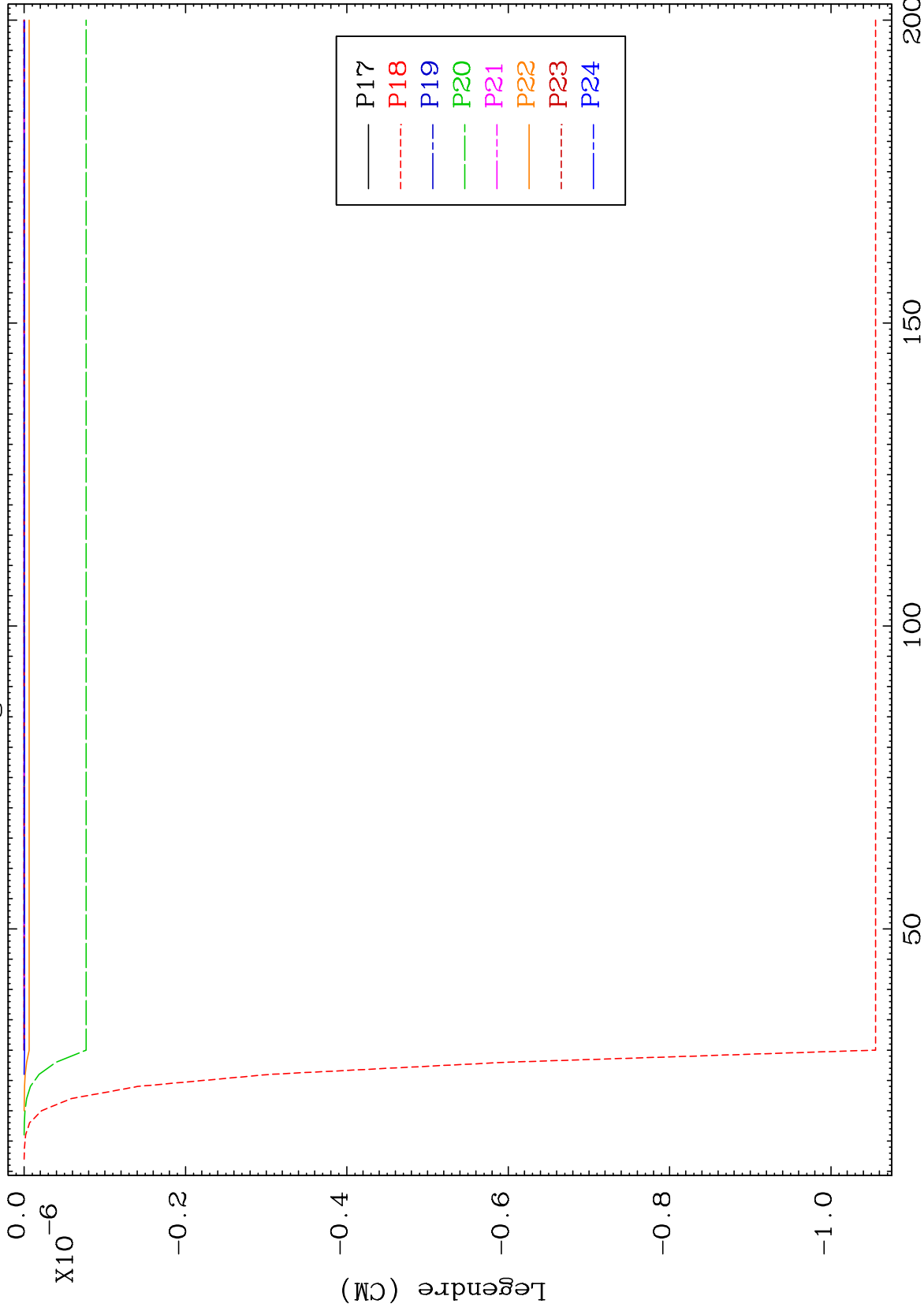
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Incident Energy (MeV)

39-Y -85

MAT 3913 MT= 58 (n,n') Level 39-Y -85

Legendre Coefficients



43

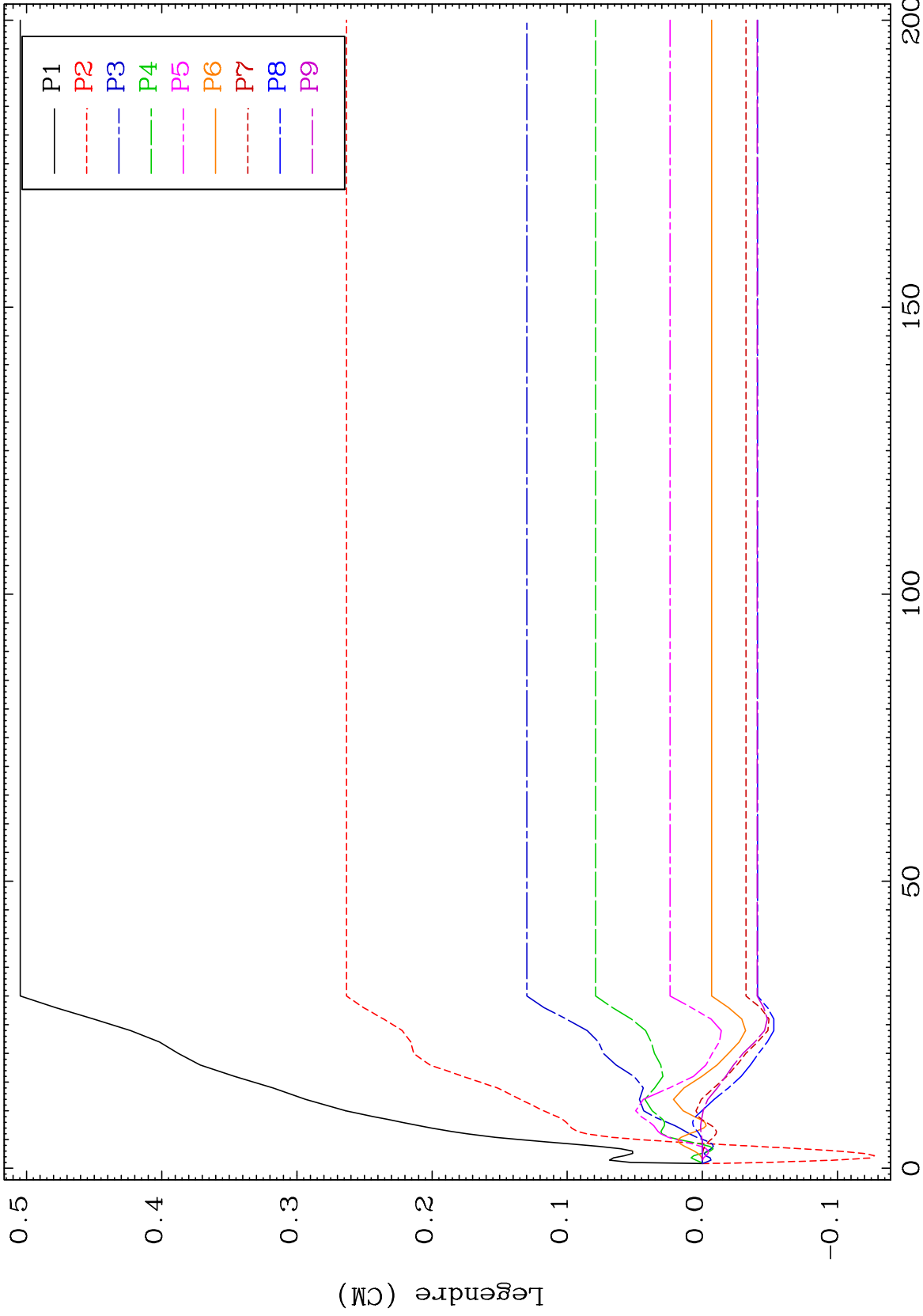
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



44

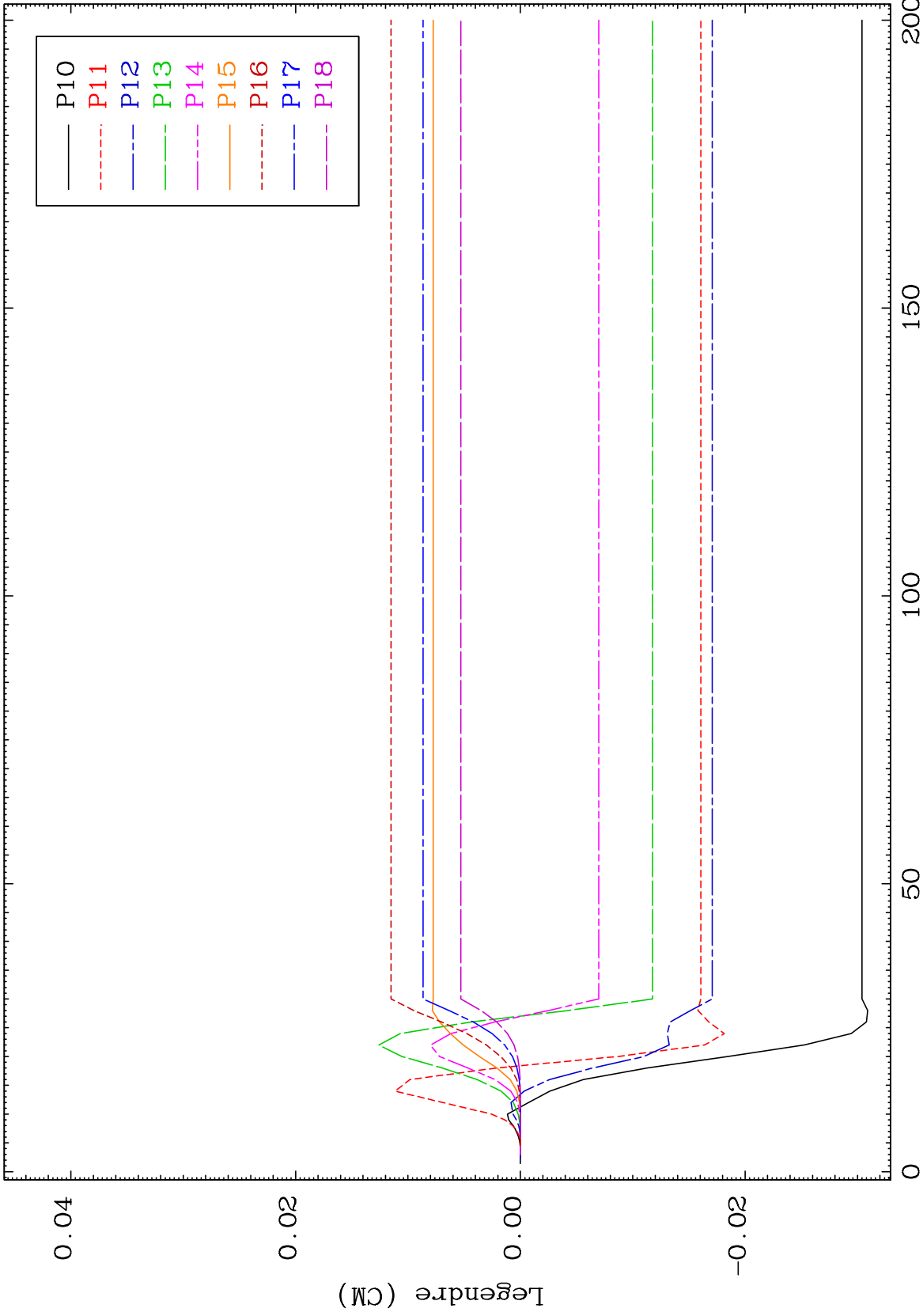
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



45

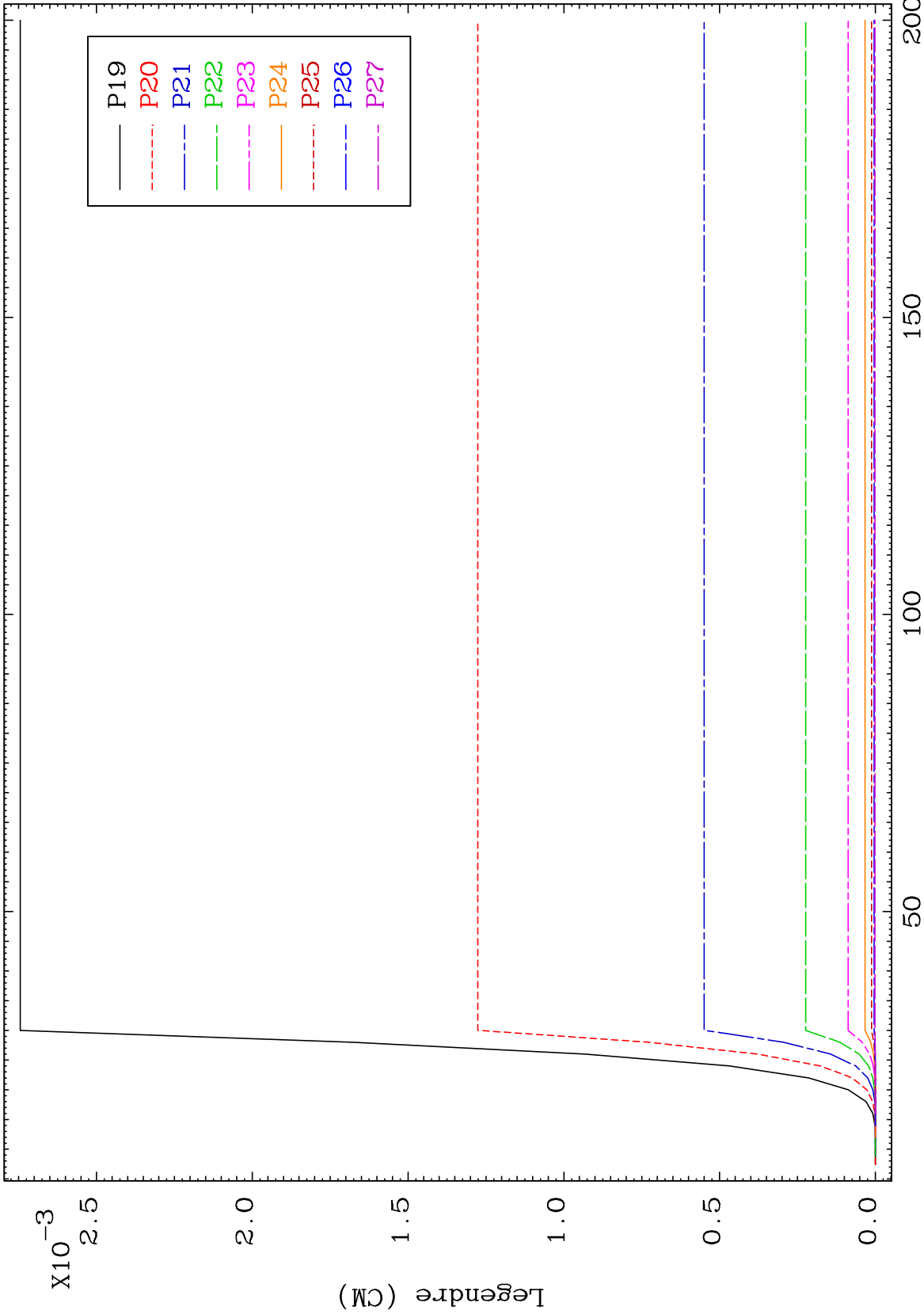
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



46

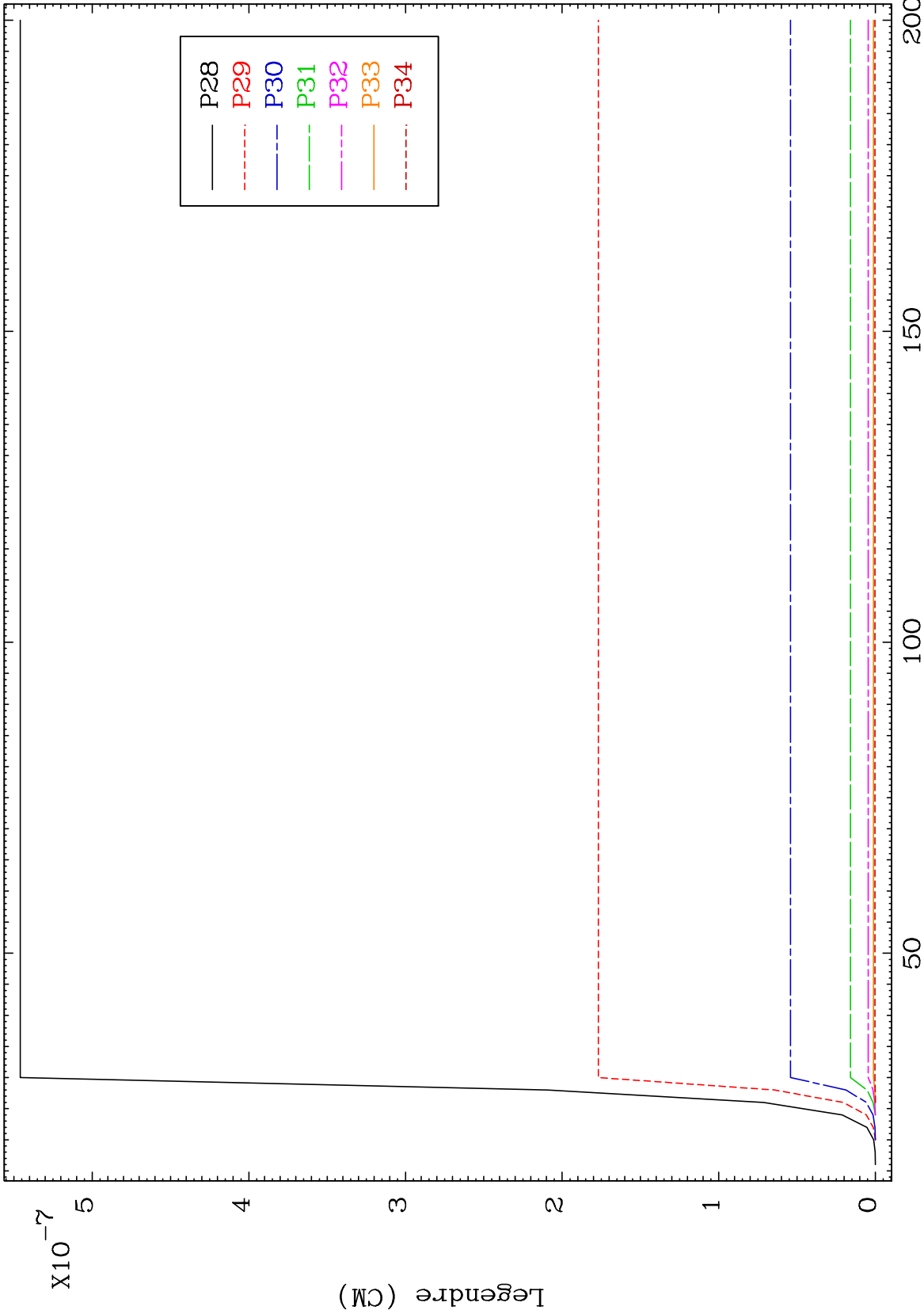
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



47

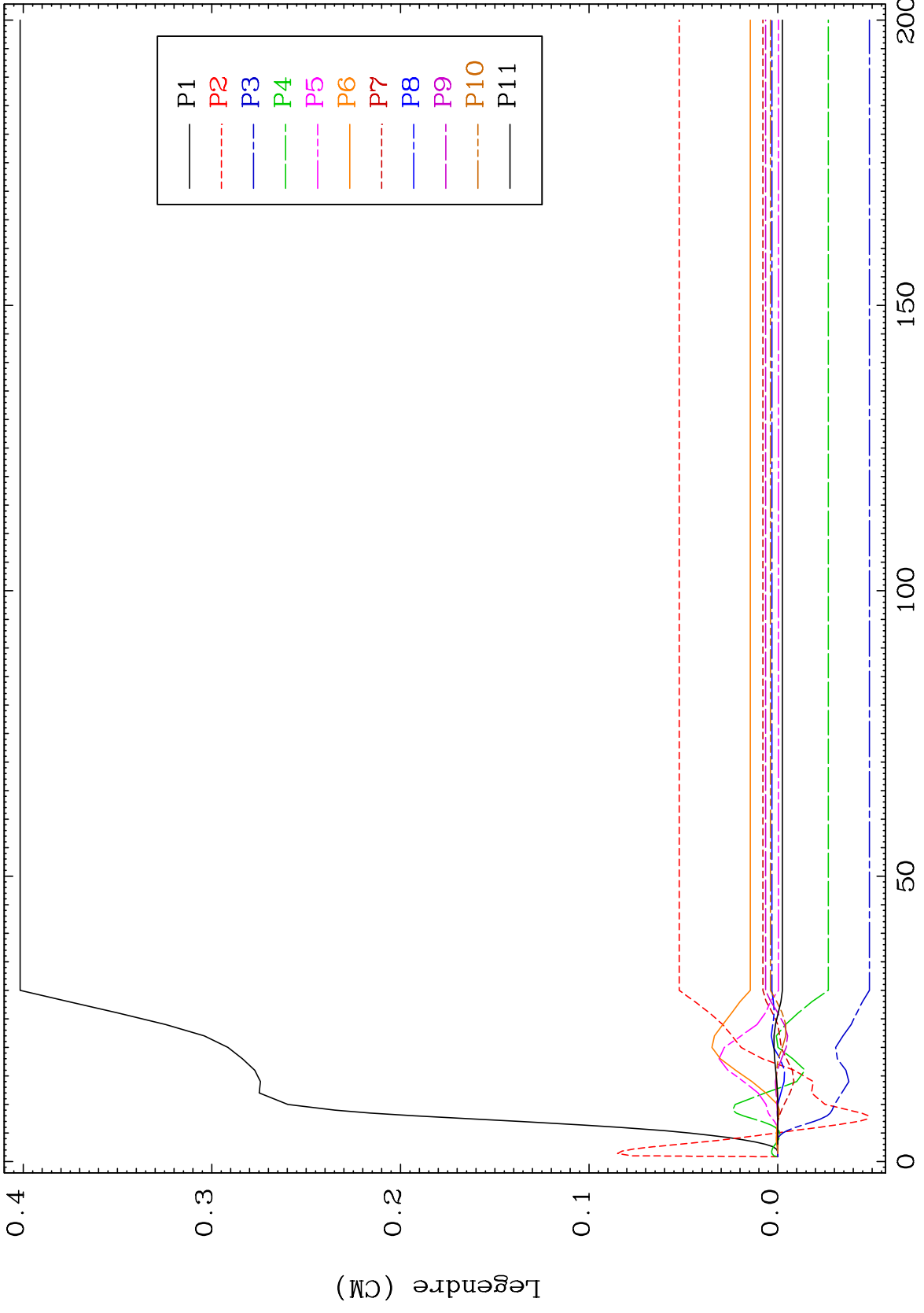
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



48

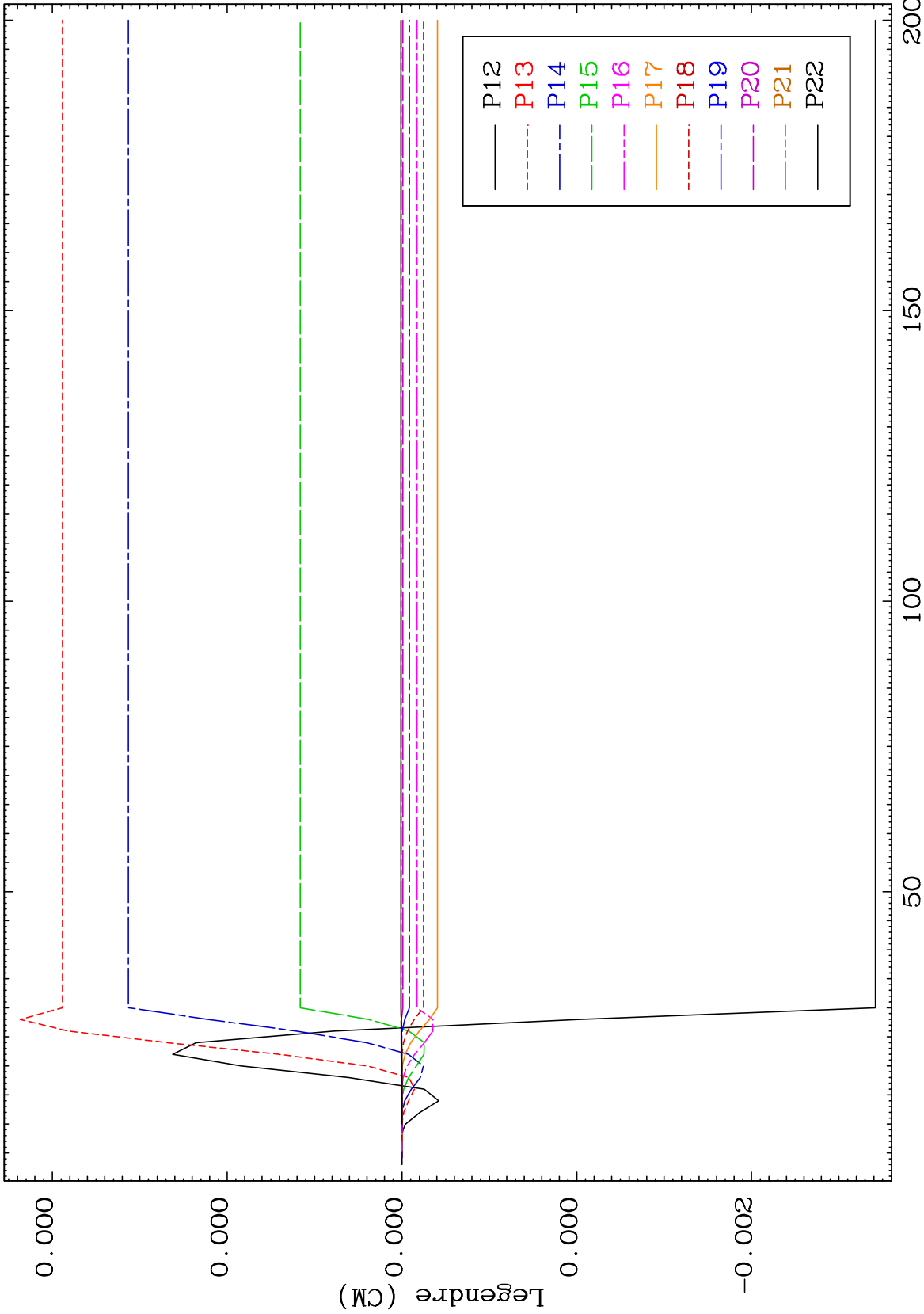
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



49

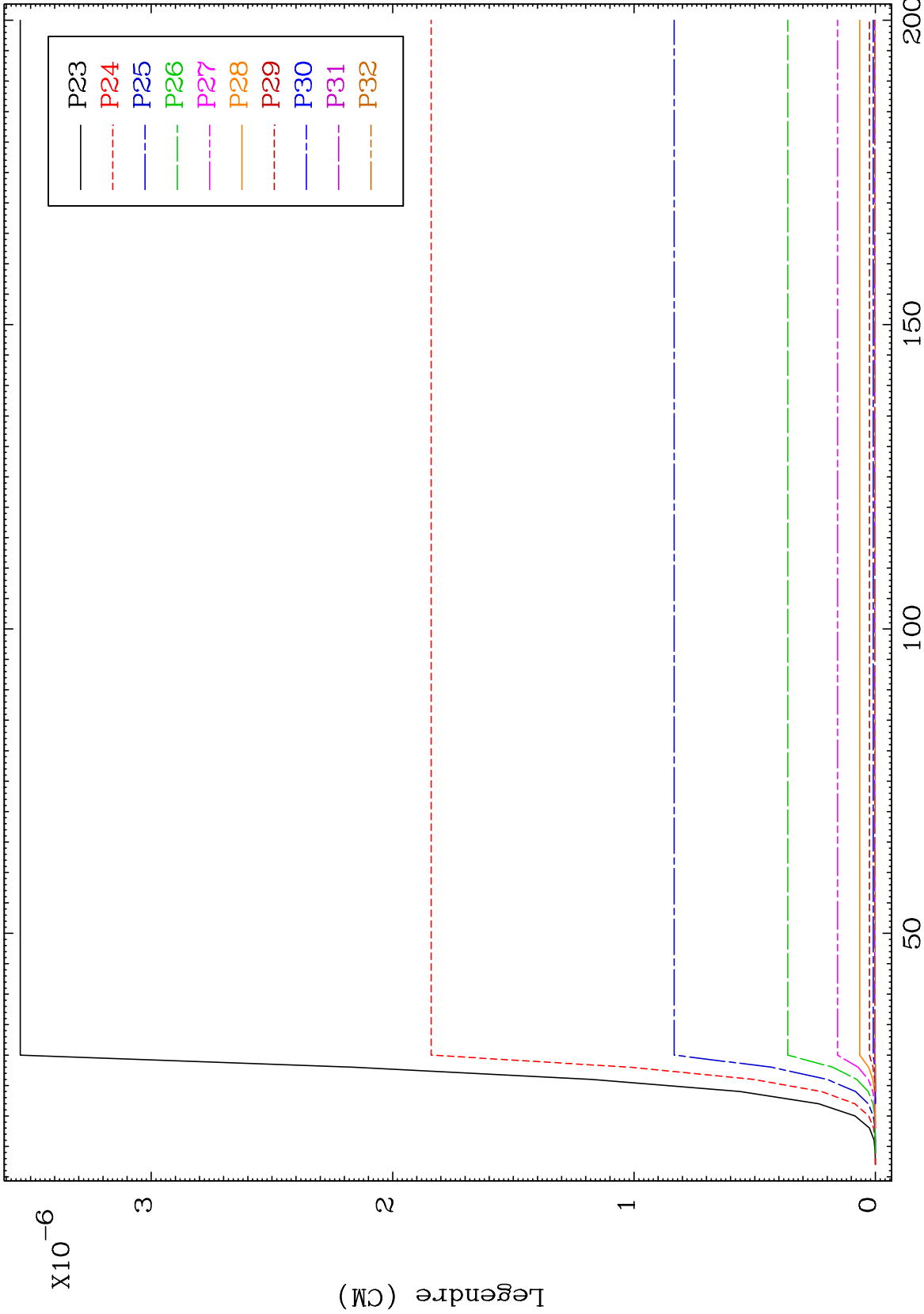
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



50

50

100

150

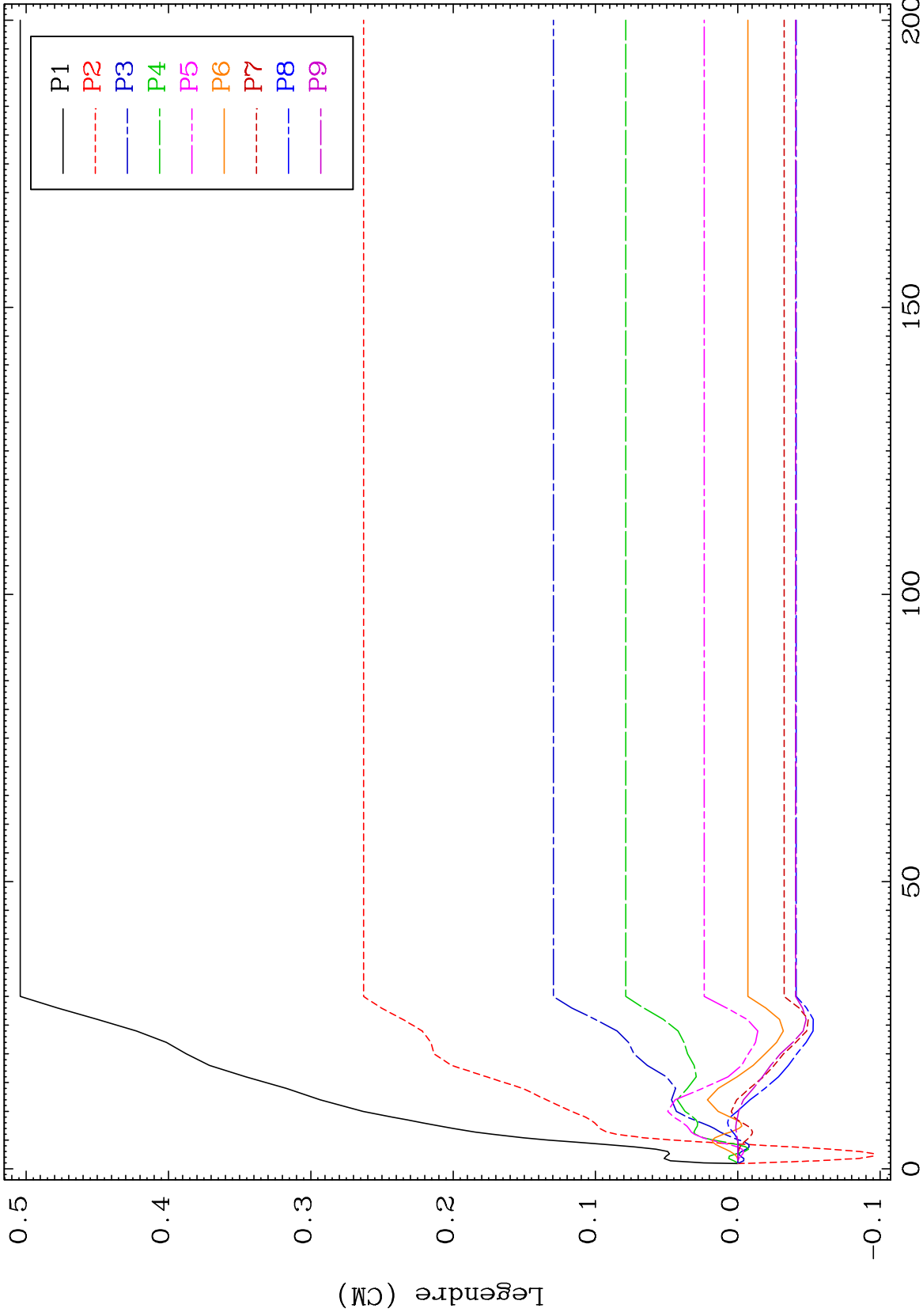
200

39-Y -85

MAT 3913

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

39-Y -85



51

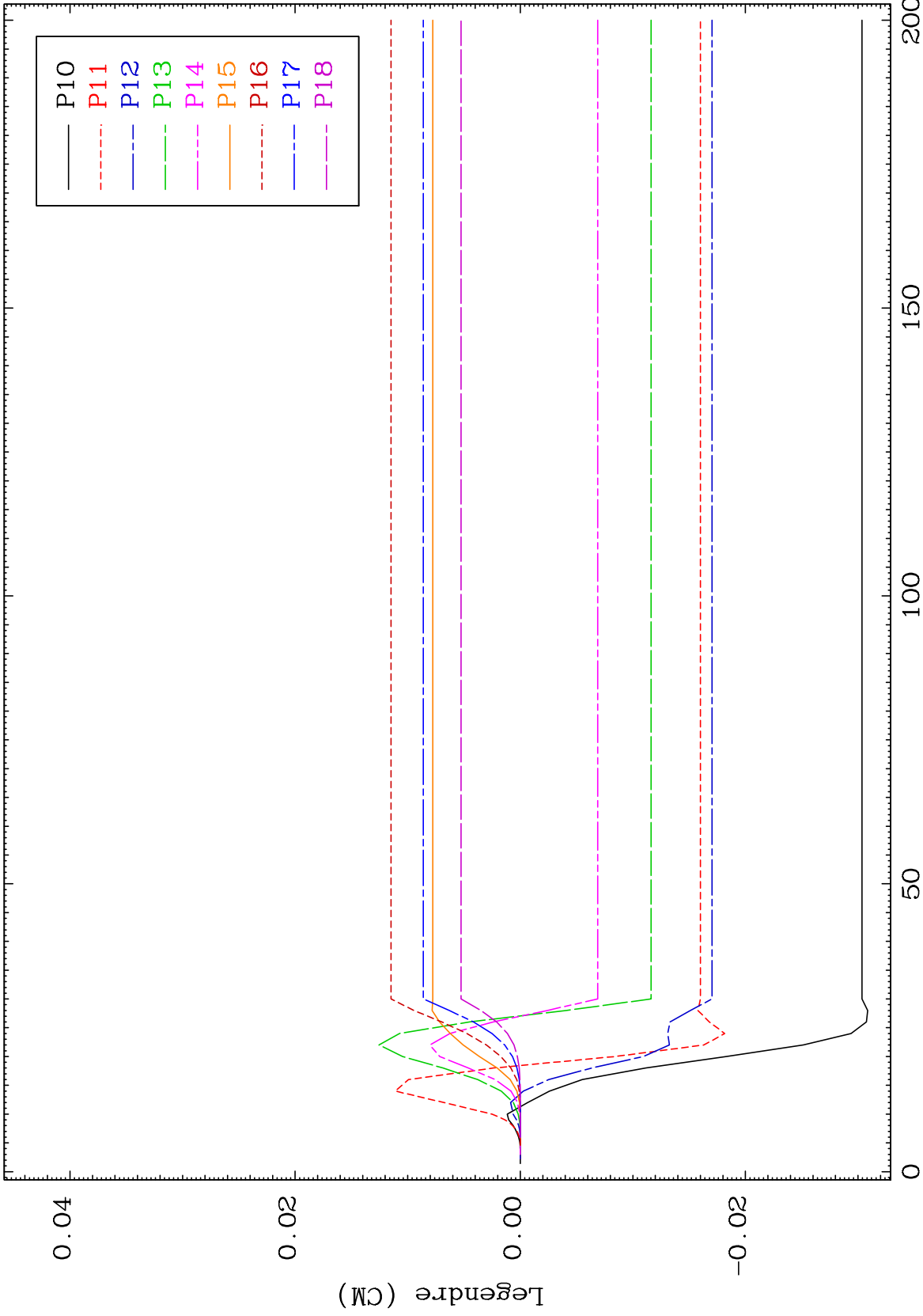
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



52

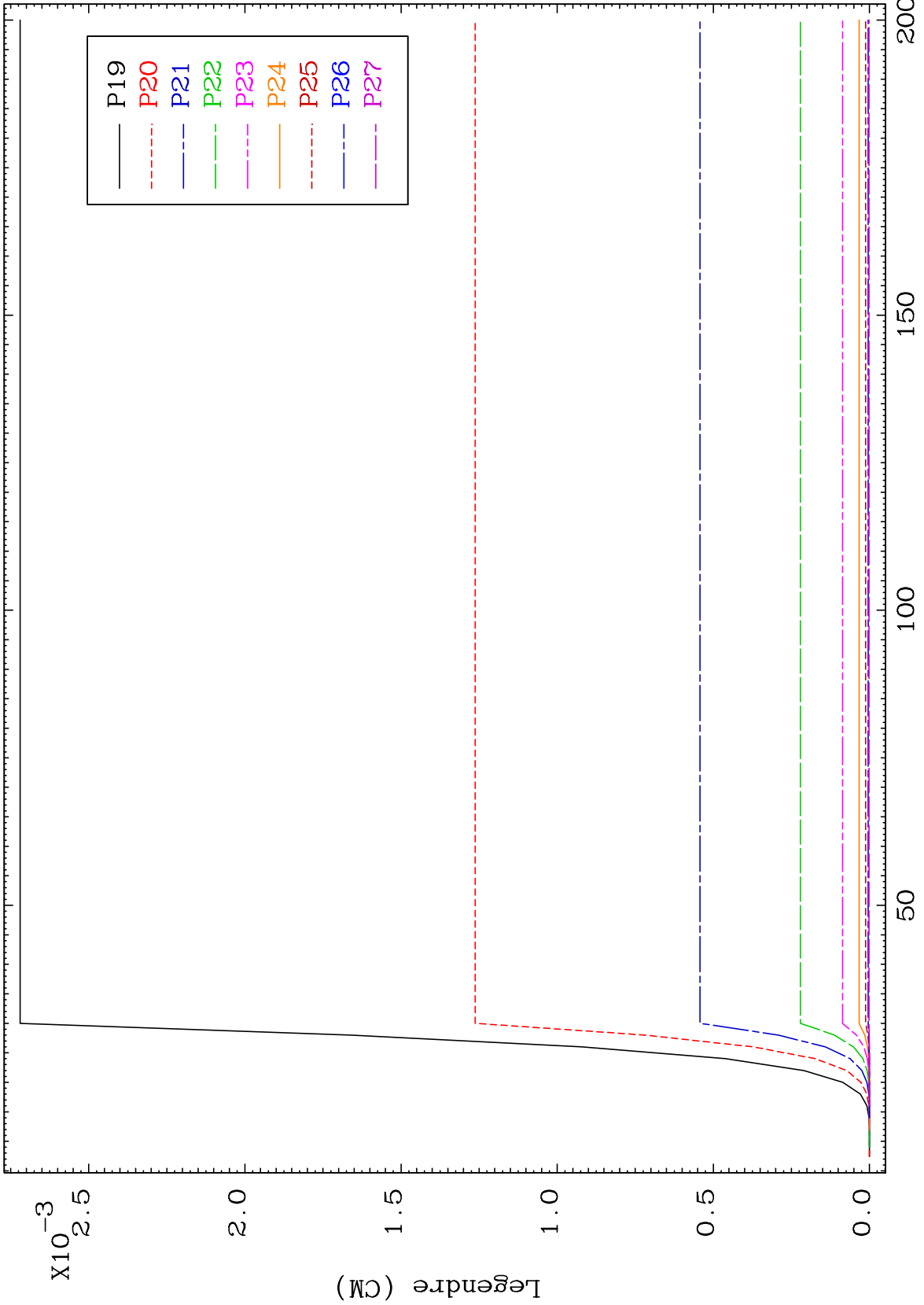
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



53

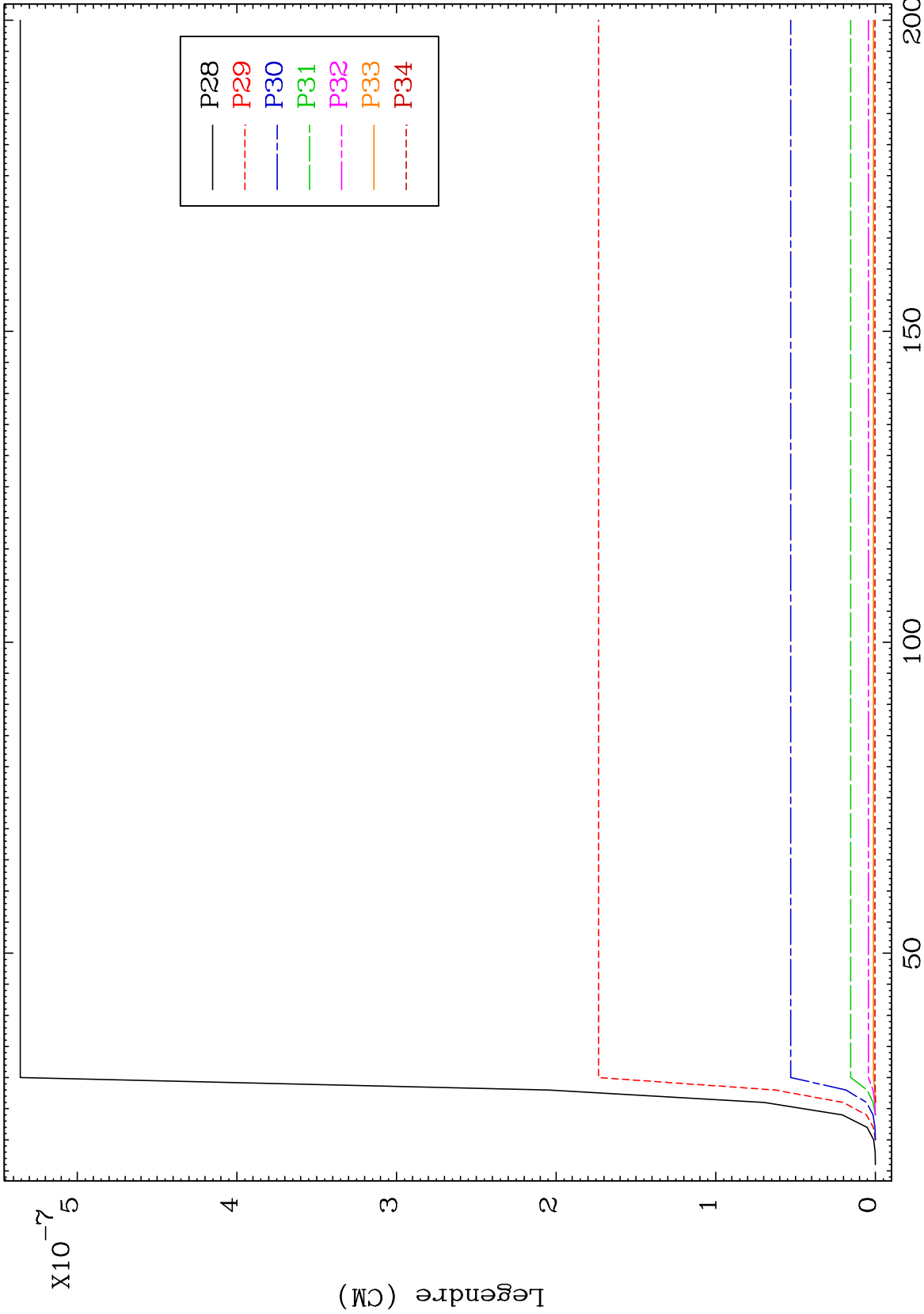
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



54

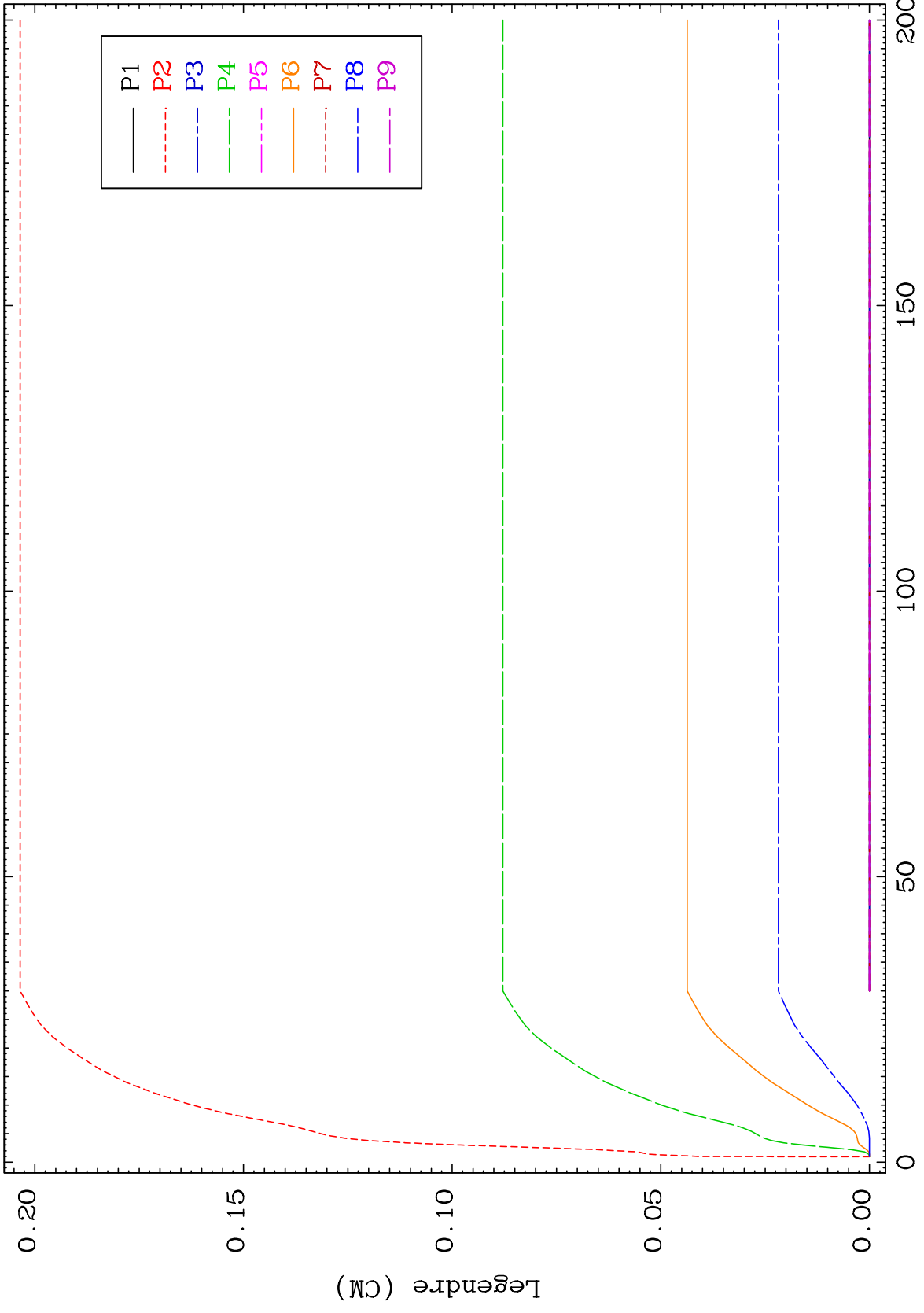
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



55

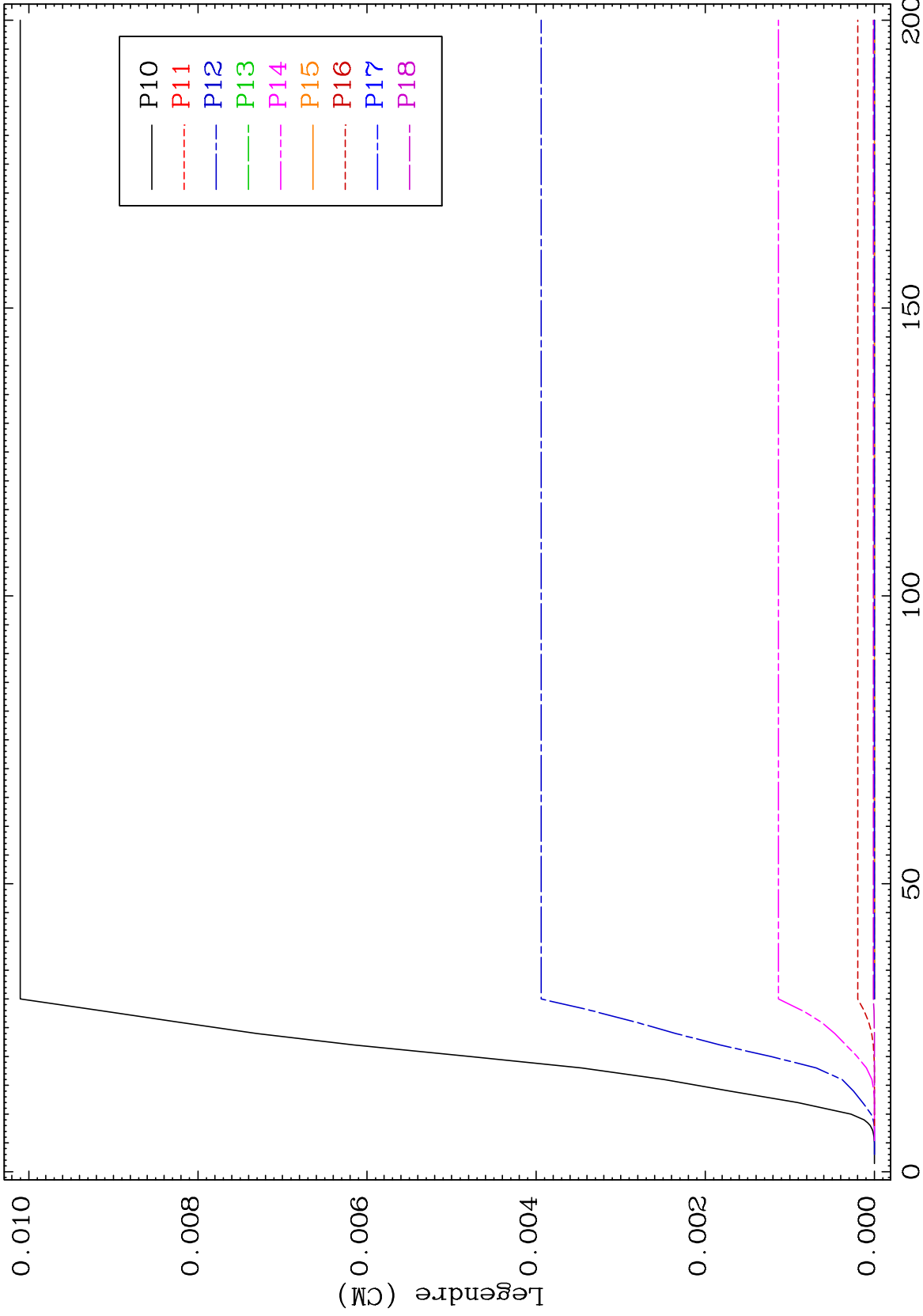
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85

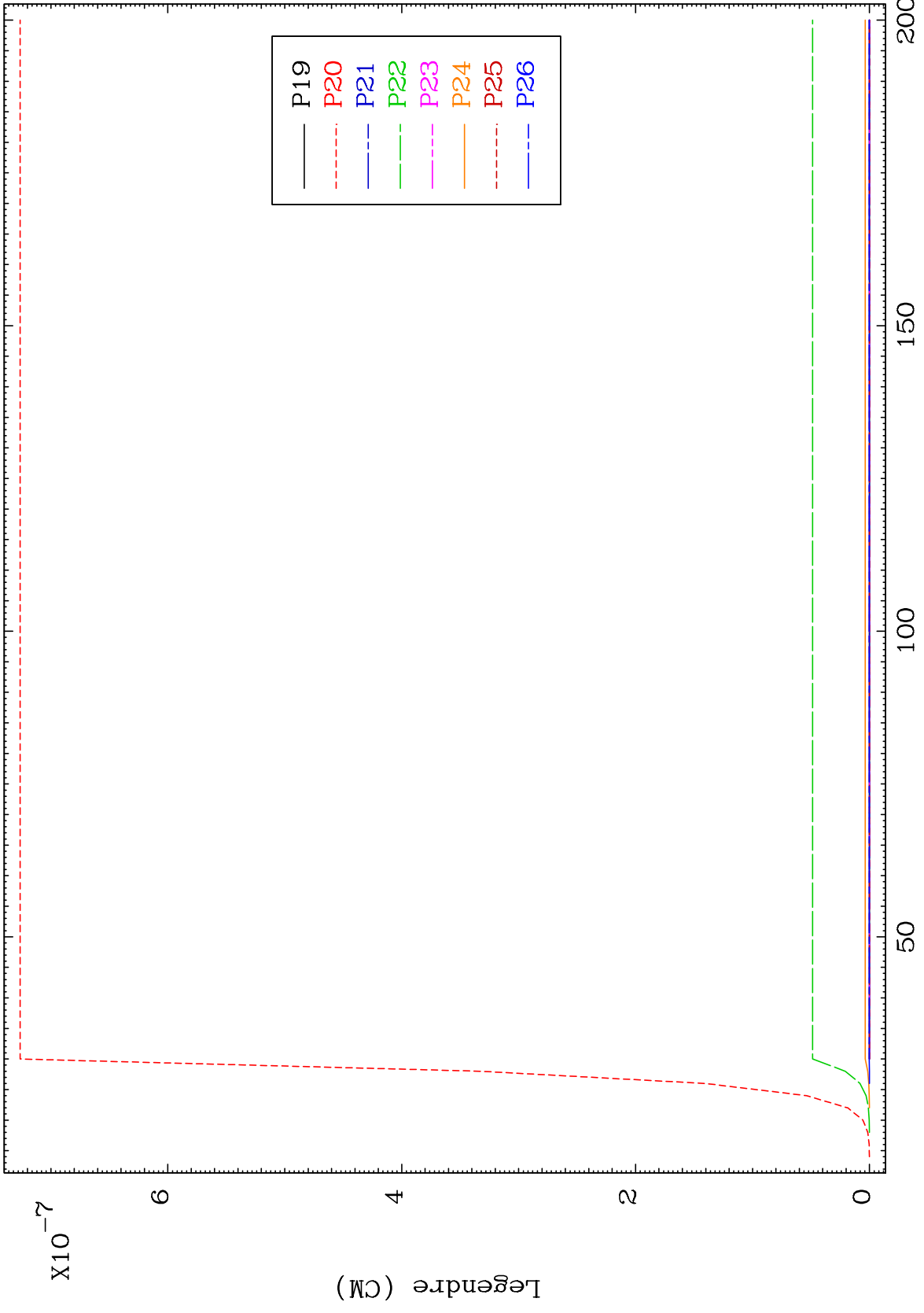


56

Incident Energy (MeV)

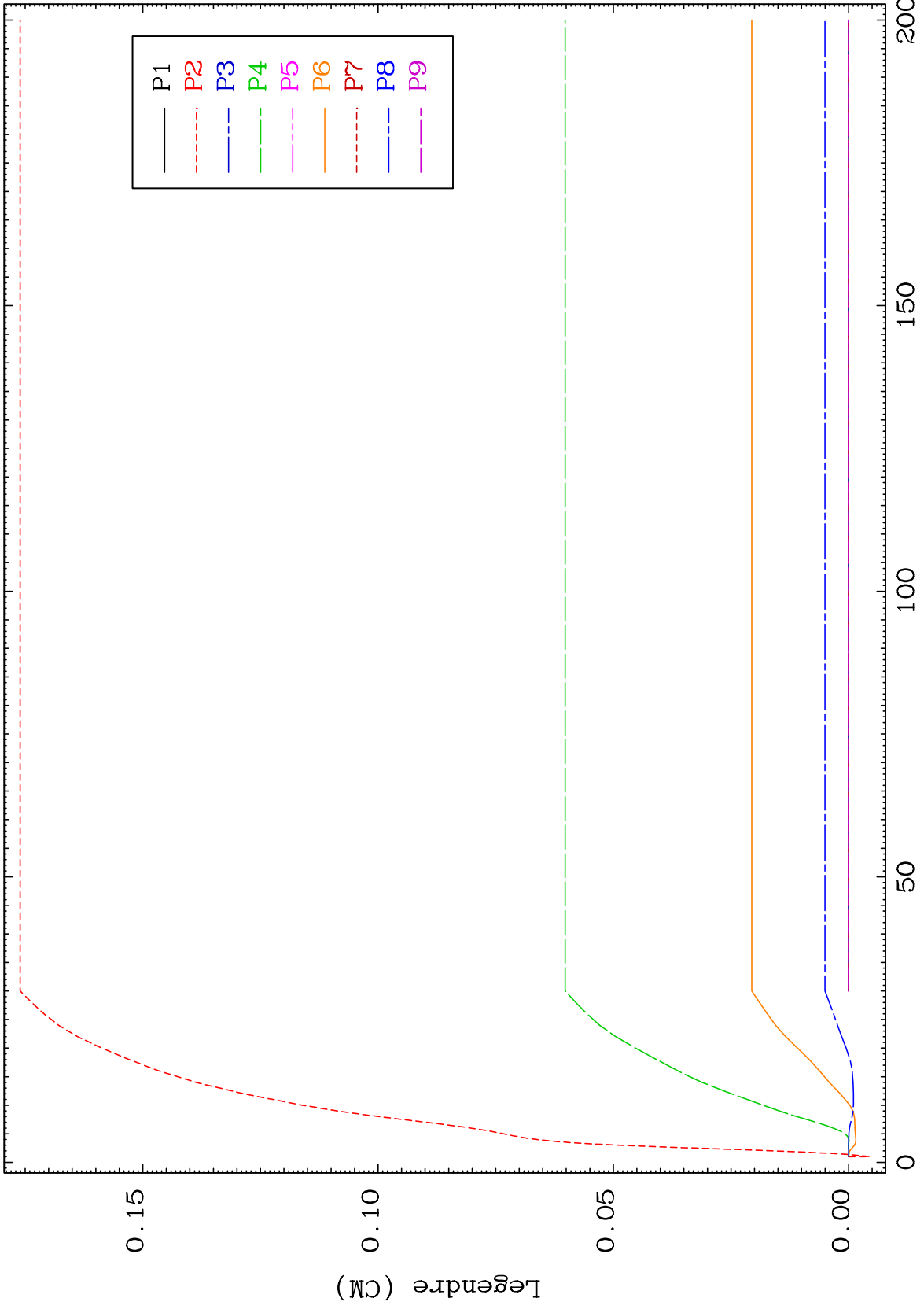
39-Y -85

MAT 3913 MT= 62 (n,n') Level Legendre Coefficients 39-Y -85



57 39-Y -85

MAT 3913 MT= 63 (n,n') Level Legendre Coefficients 39-Y -85

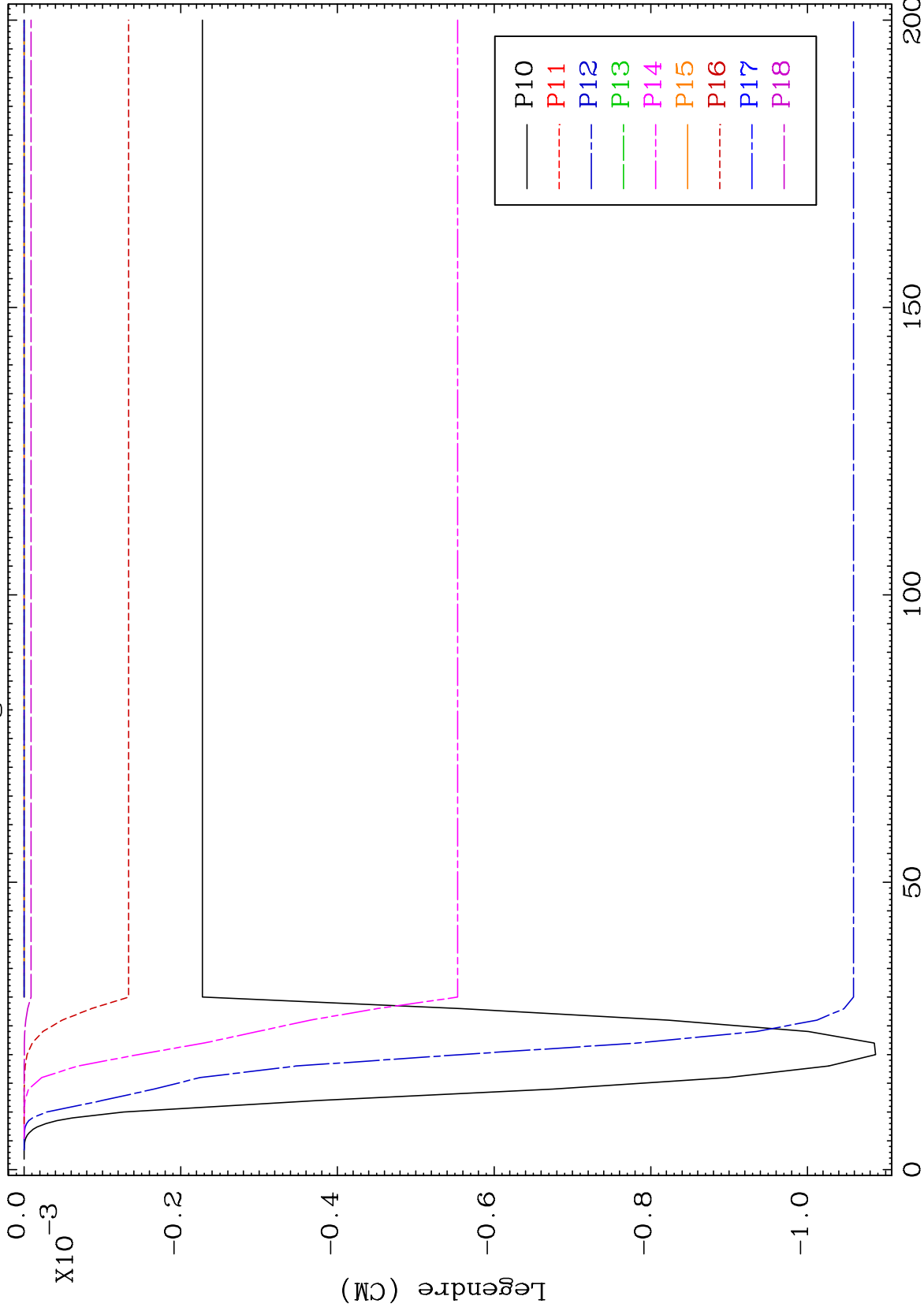


58 39-Y -85

MAT 3913

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

39-Y -85

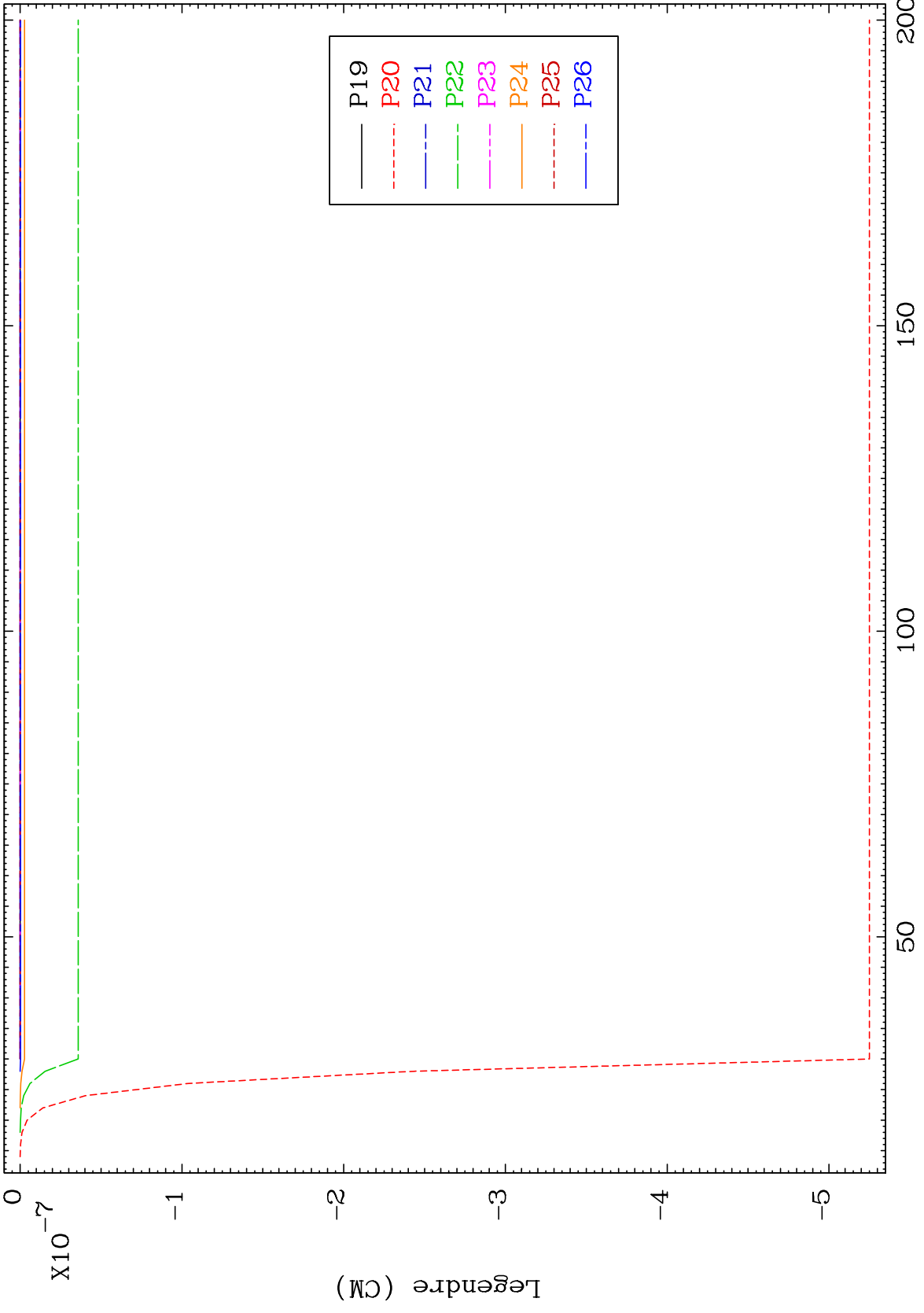


59

Incident Energy (MeV)

39-Y -85

MAT 3913 MT= 63 (n,n') Level Legendre Coefficients 39-Y -85

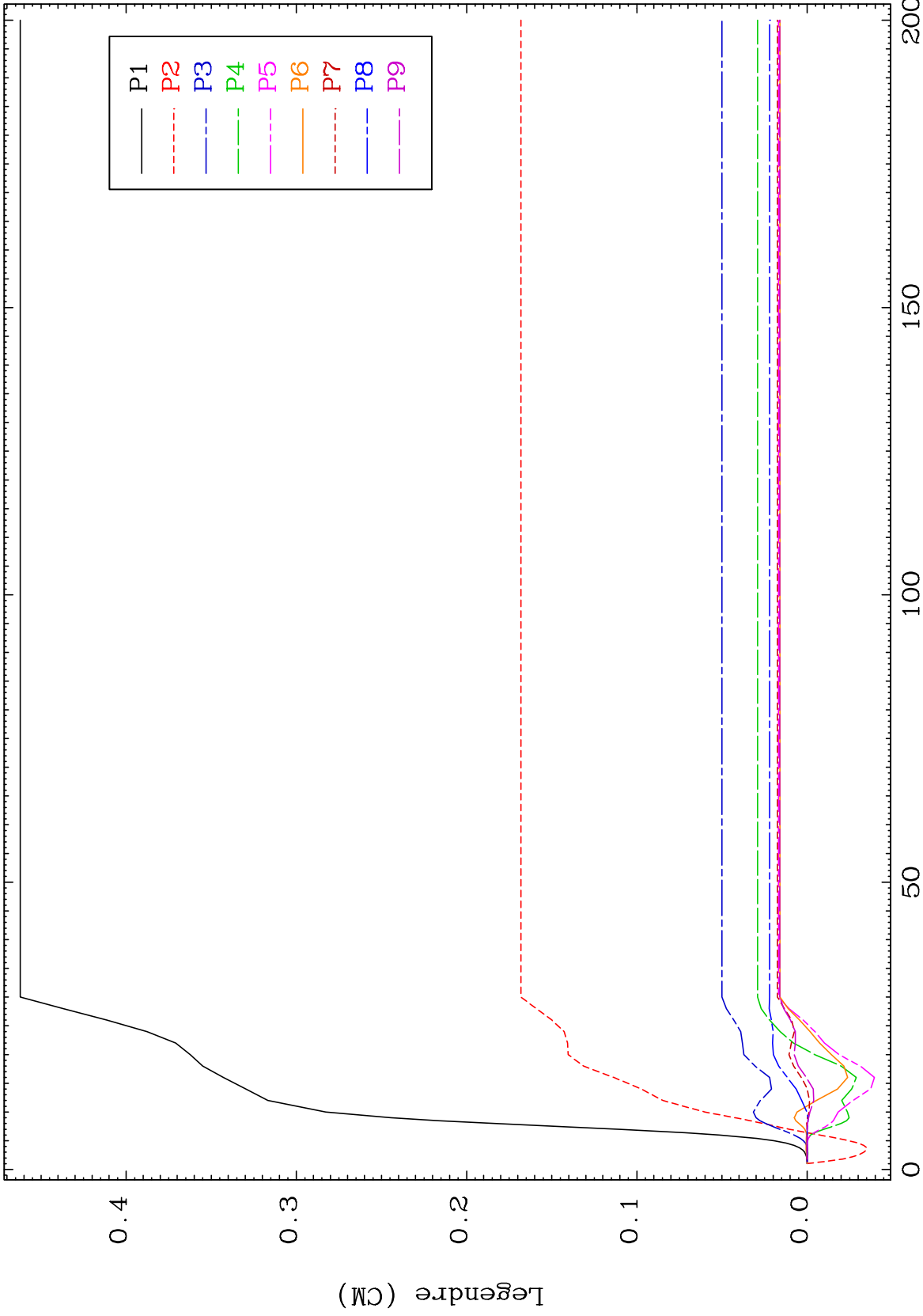


60 50 100 150 200 39-Y -85

MAT 3913

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

39-Y -85



61

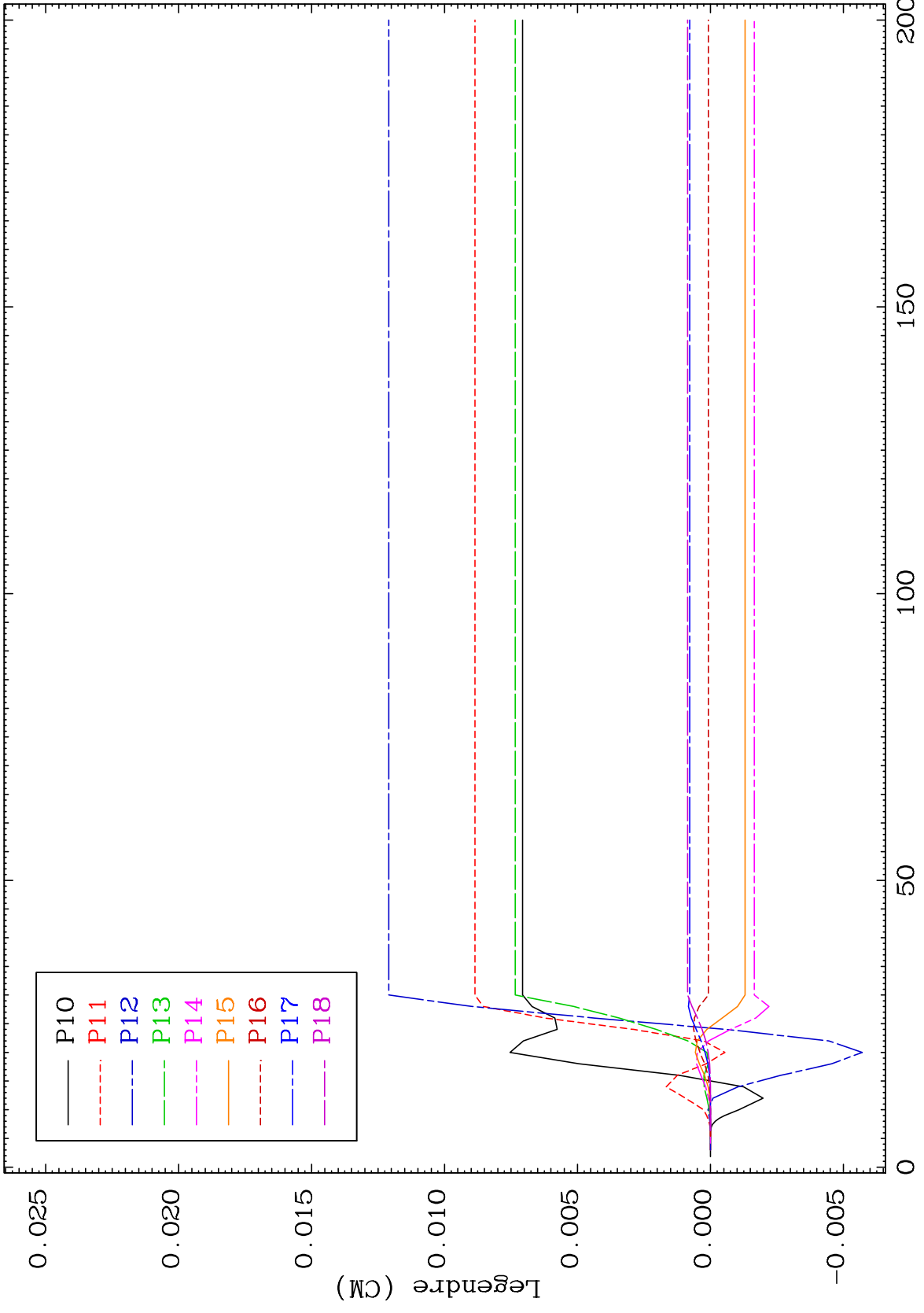
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



62

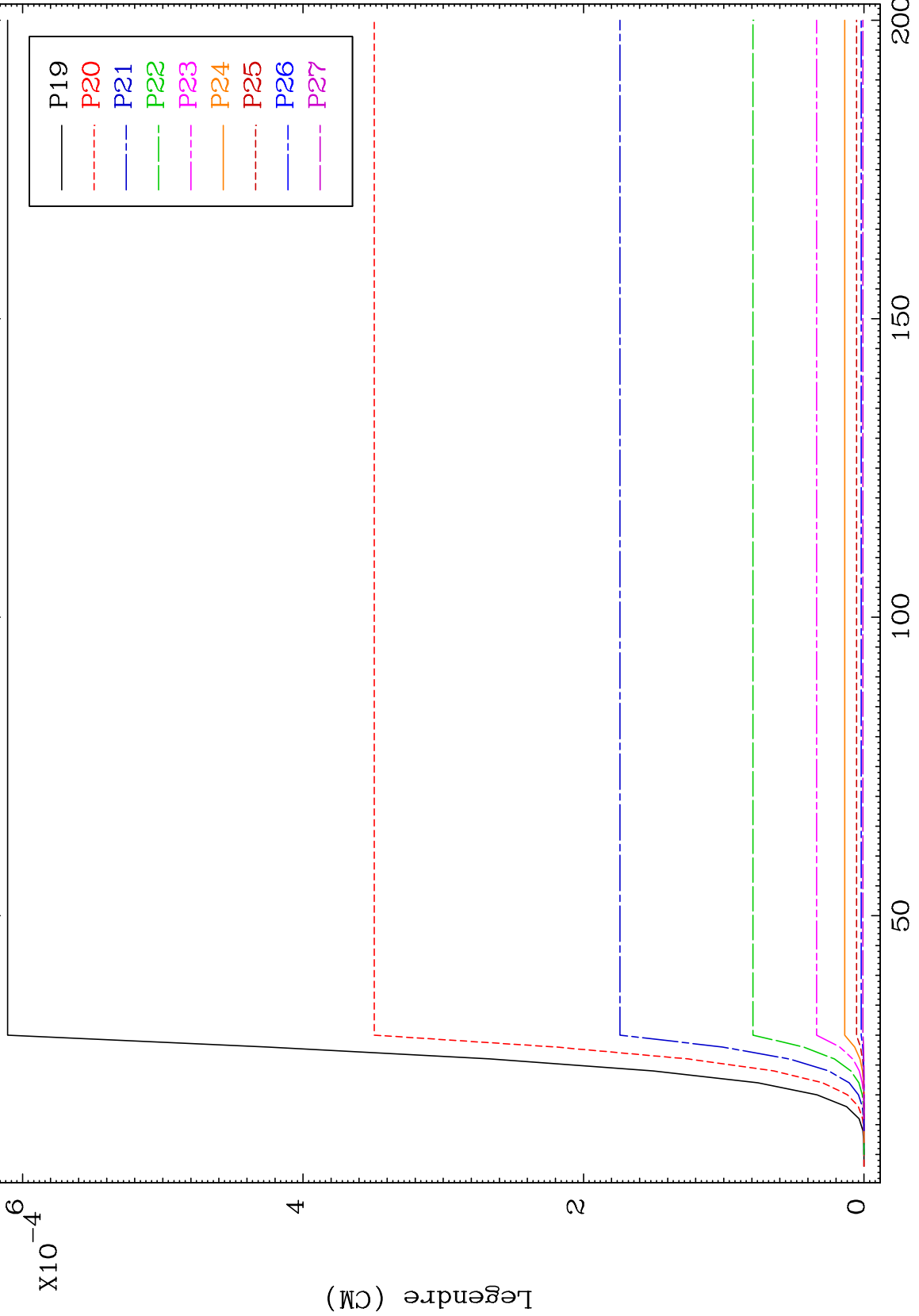
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



63

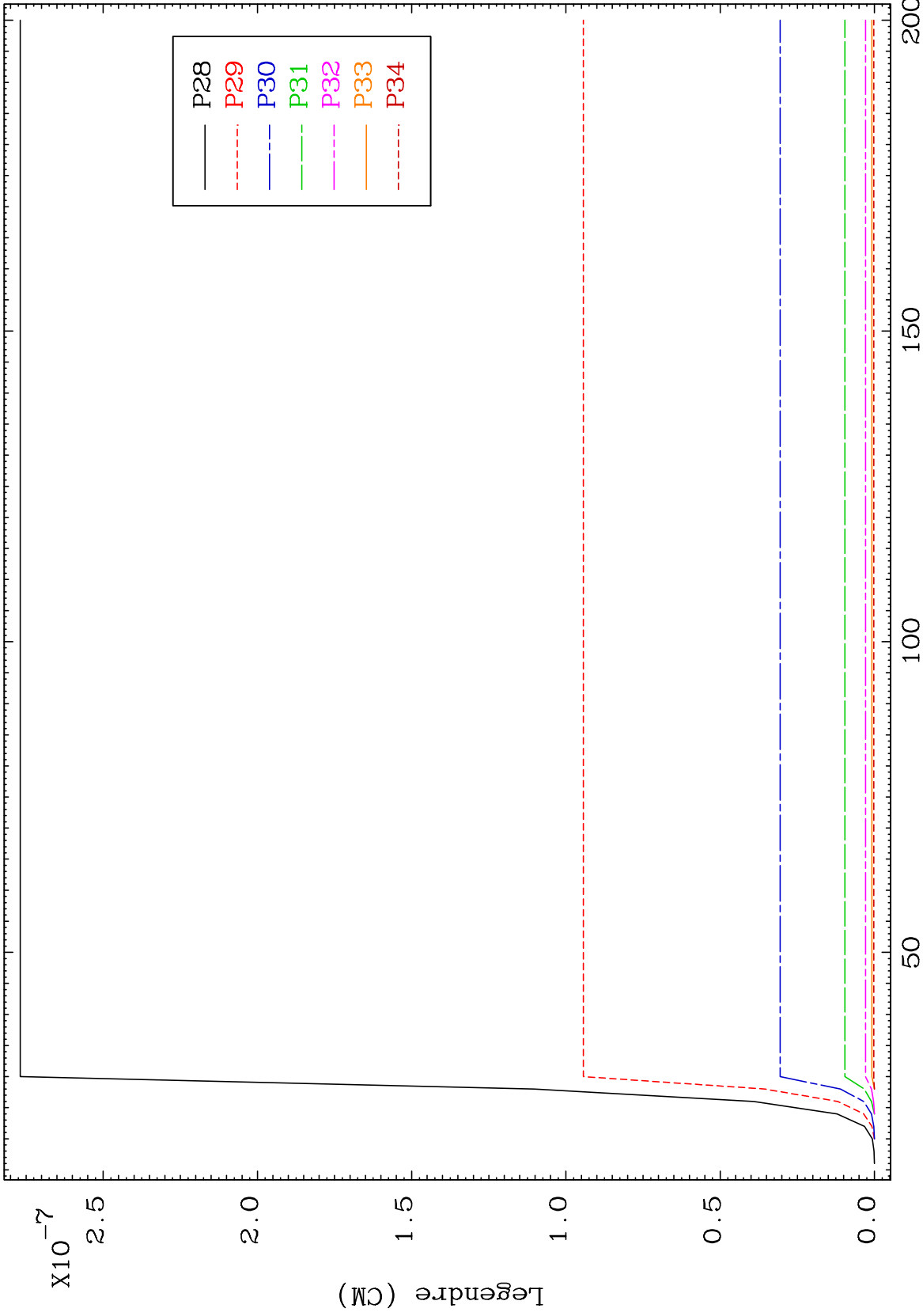
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



64

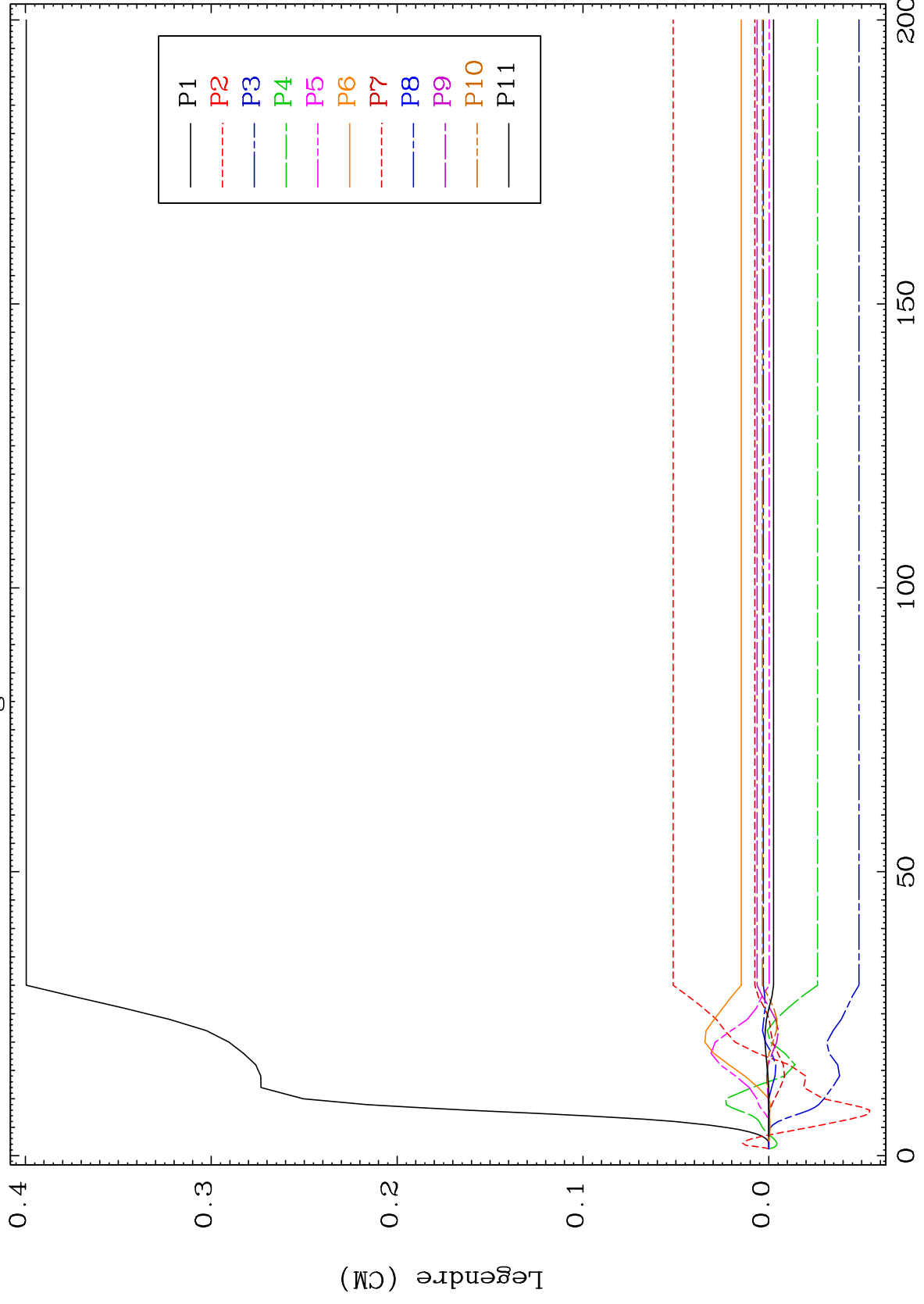
Incident Energy (MeV)

39-Y -85

MAT 3913

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

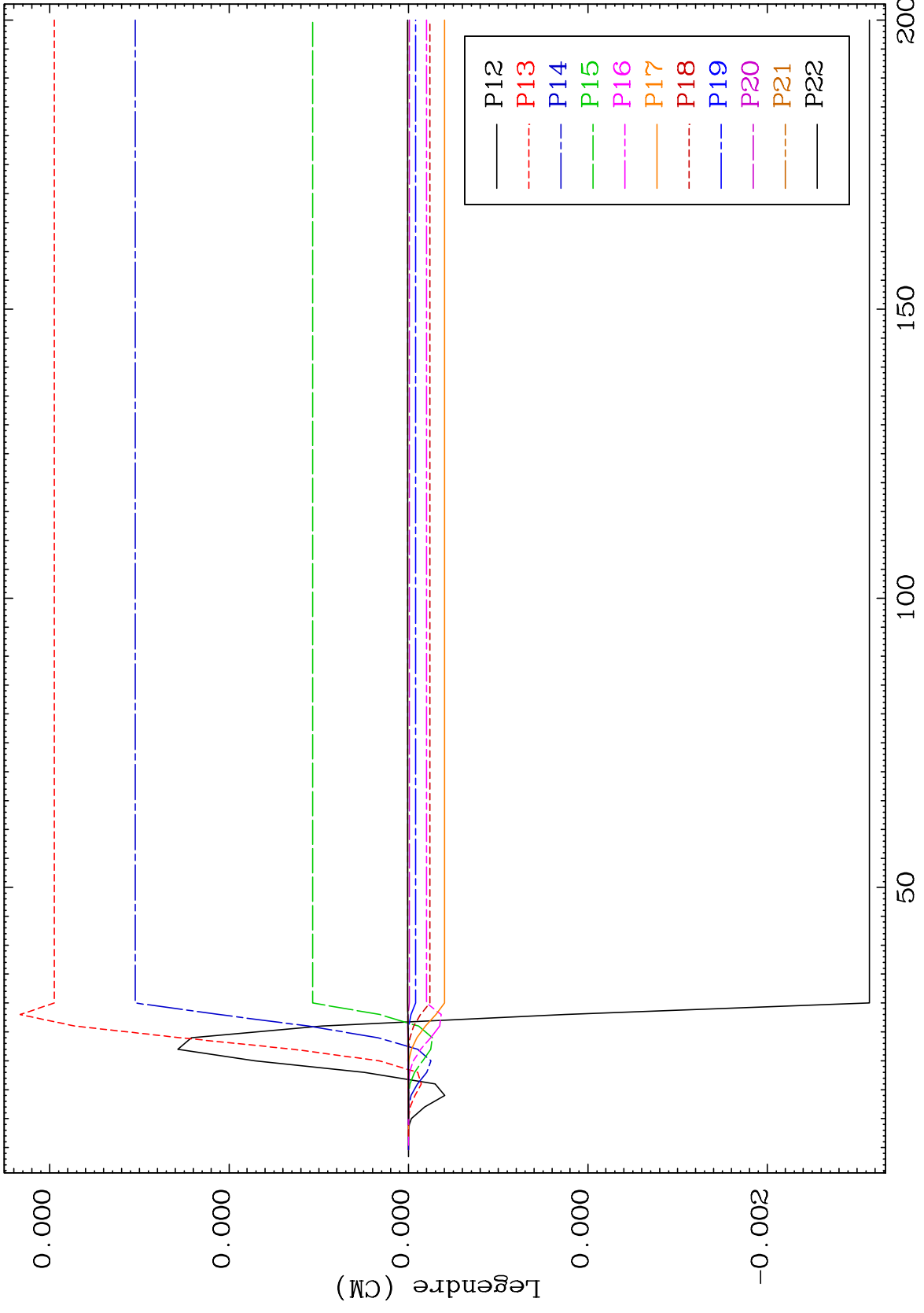
39-Y -85



65

Incident Energy (MeV)

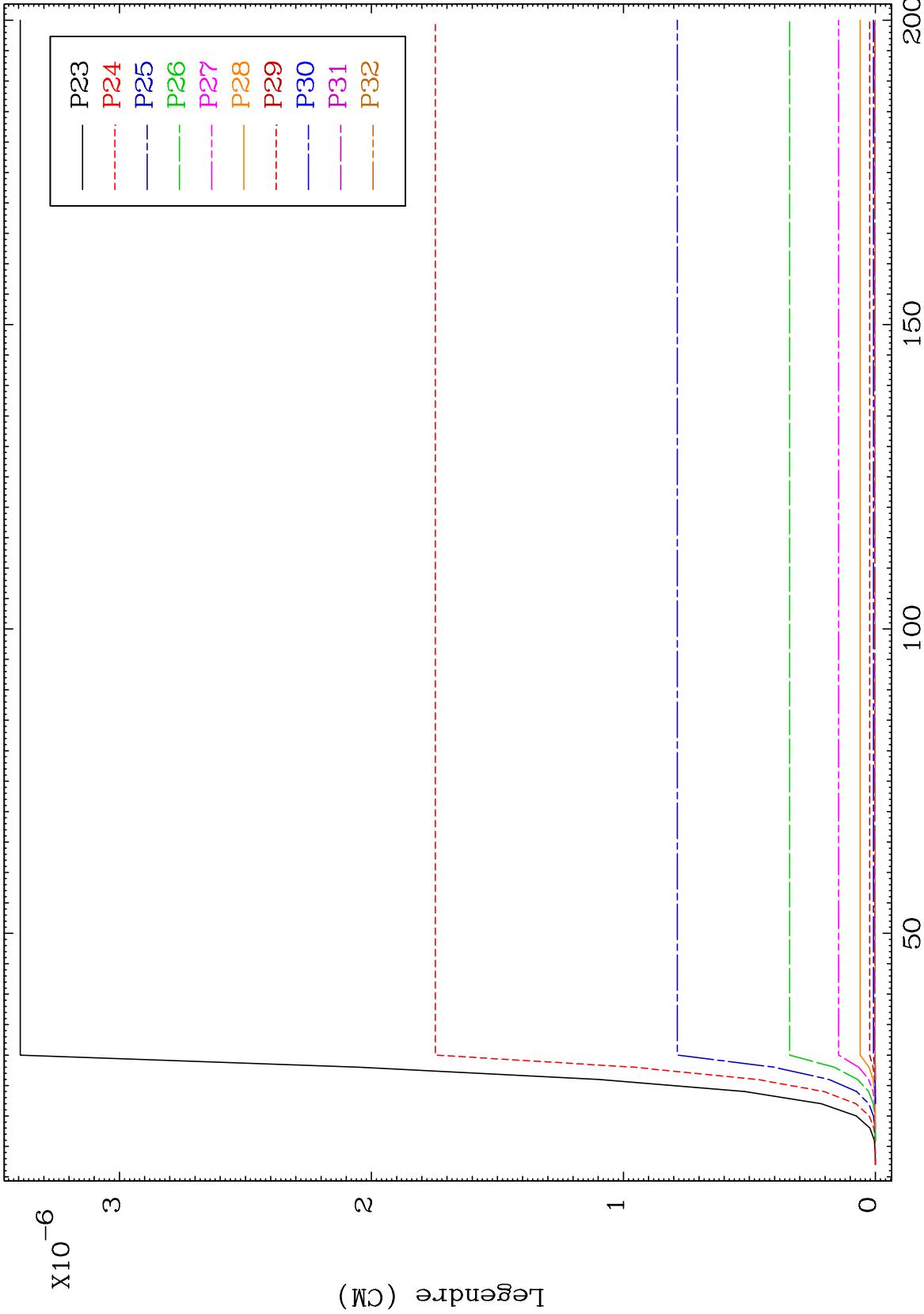
39-Y -85



MAT 3913

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

39-Y -85

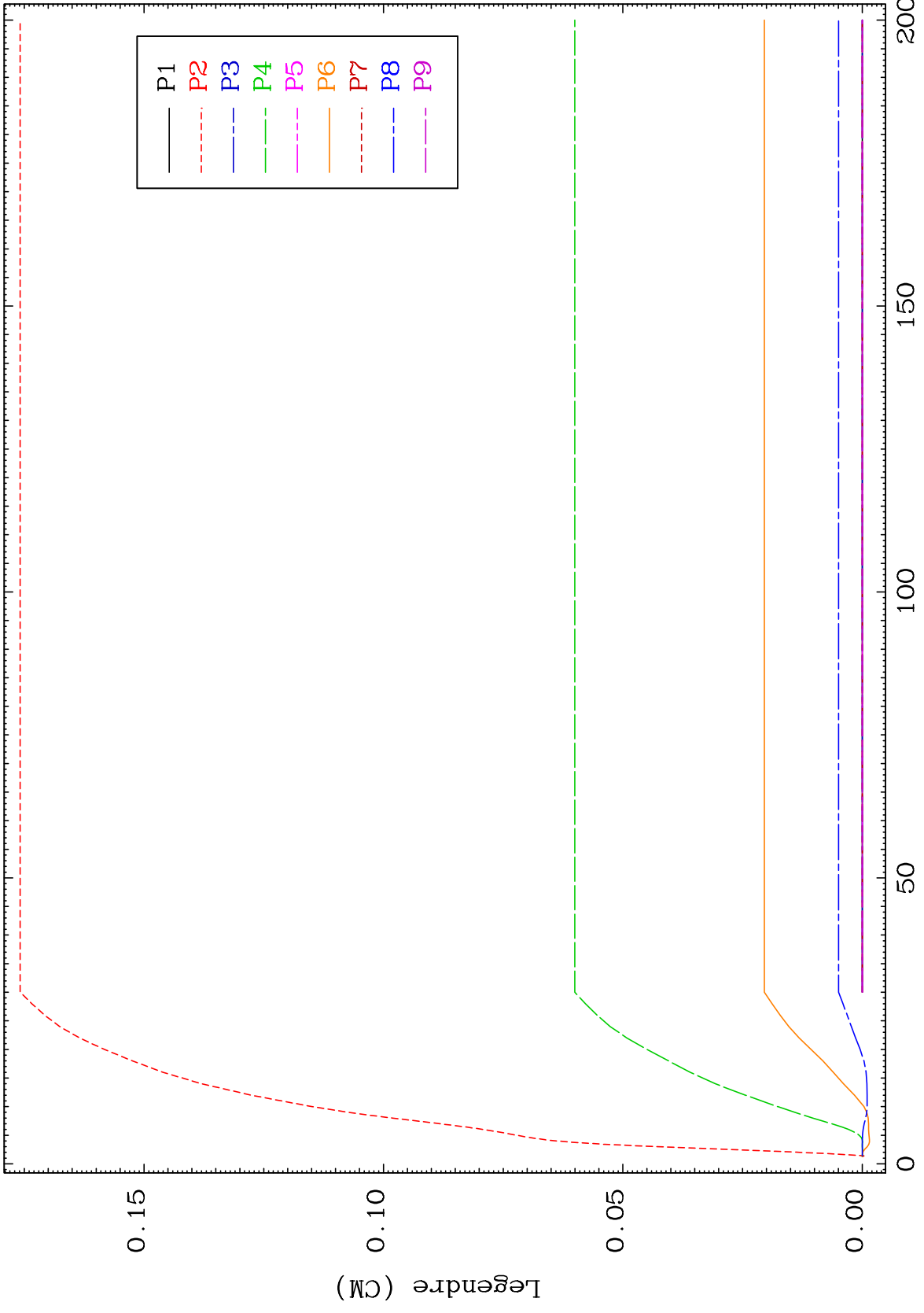


67

Incident Energy (MeV)

39-Y -85

MAT 3913 MT= 66 (n,n') Level Legendre Coefficients 39-Y -85

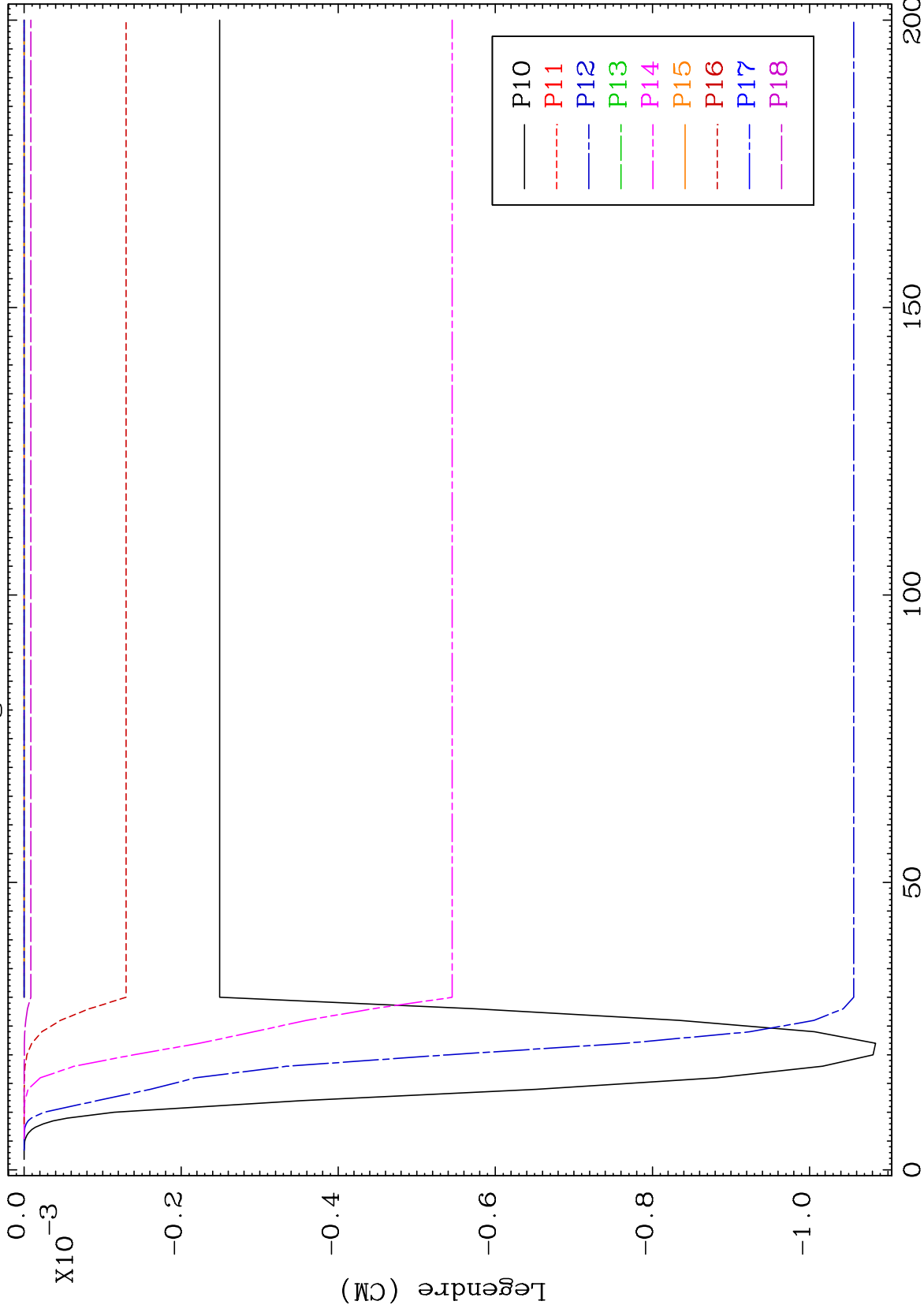


68 39-Y -85

MAT 3913

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

39-Y -85

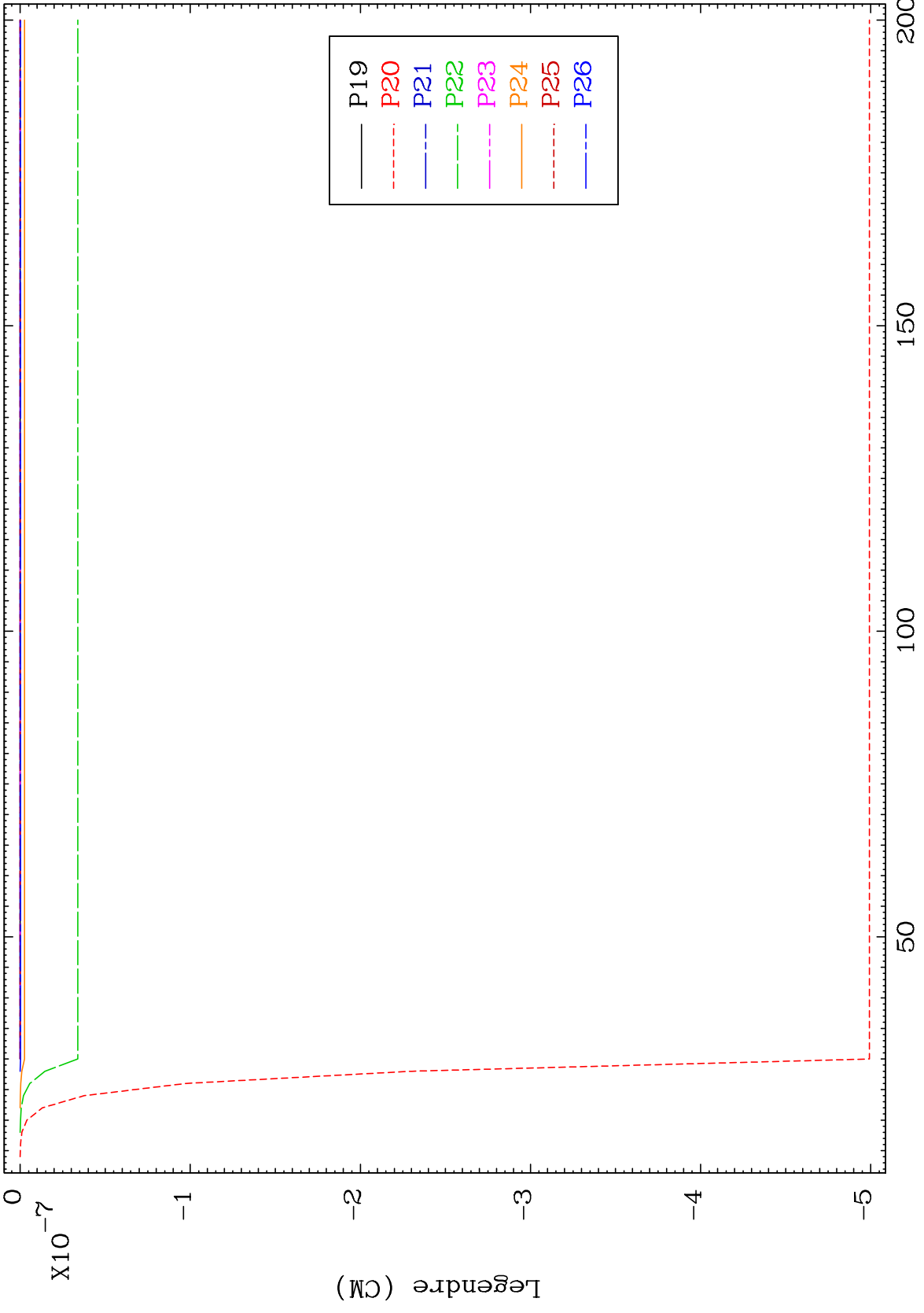


69

Incident Energy (MeV)

39-Y -85

MAT 3913 MT= 66 (n,n') Level Legendre Coefficients 39-Y -85

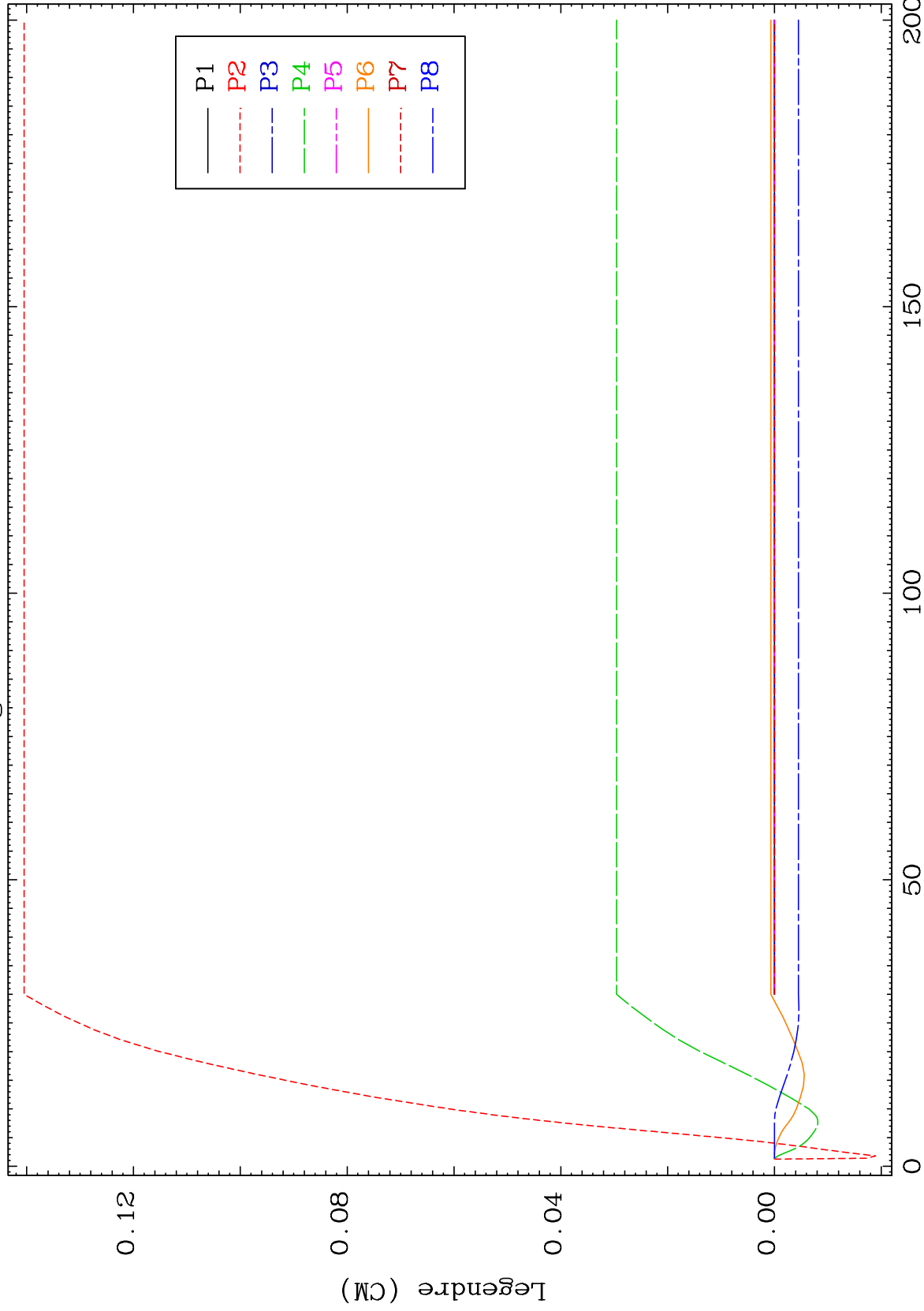


70 50 100 150 200 39-Y -85

MAT 3913

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

39-Y -85



71

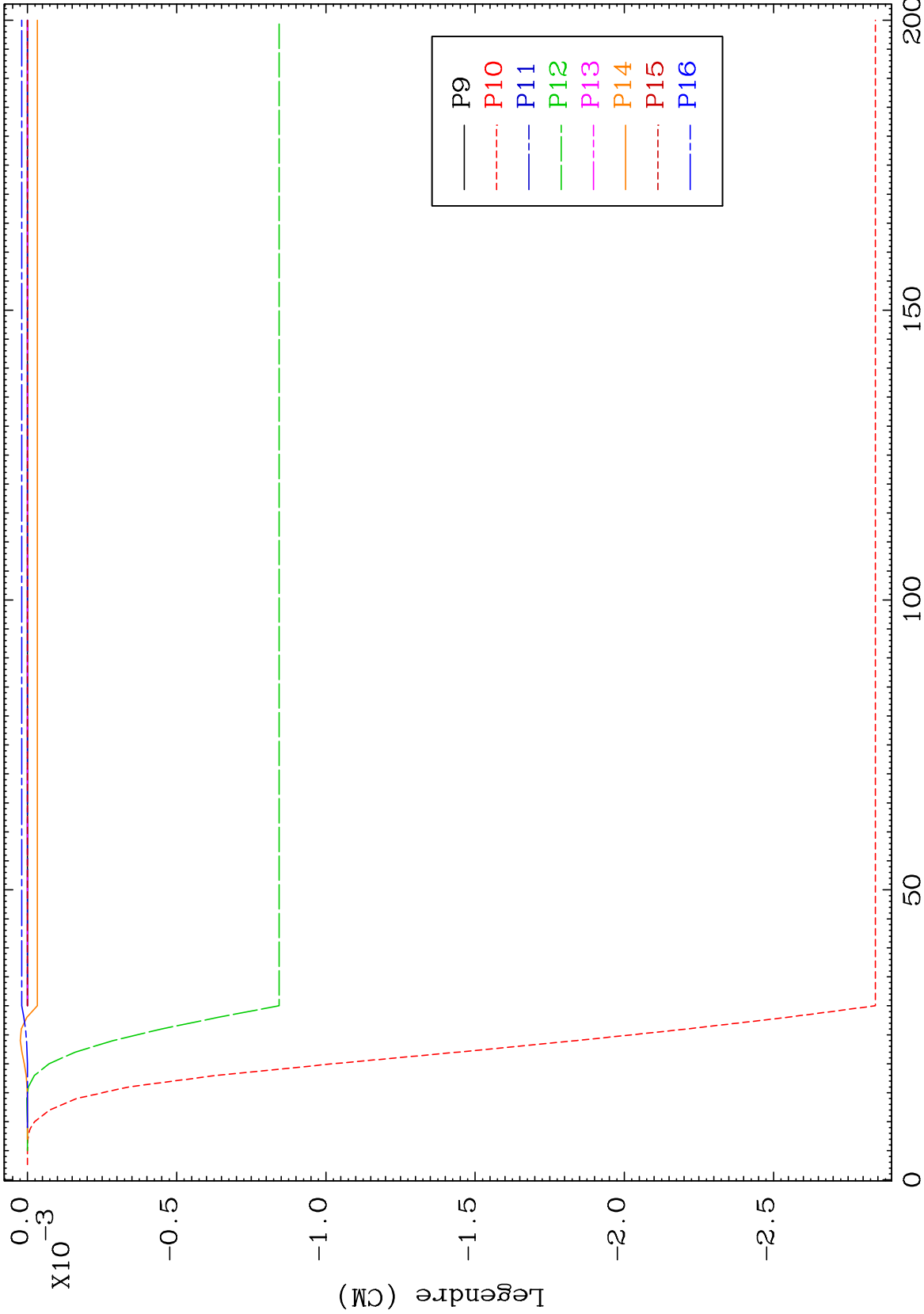
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85

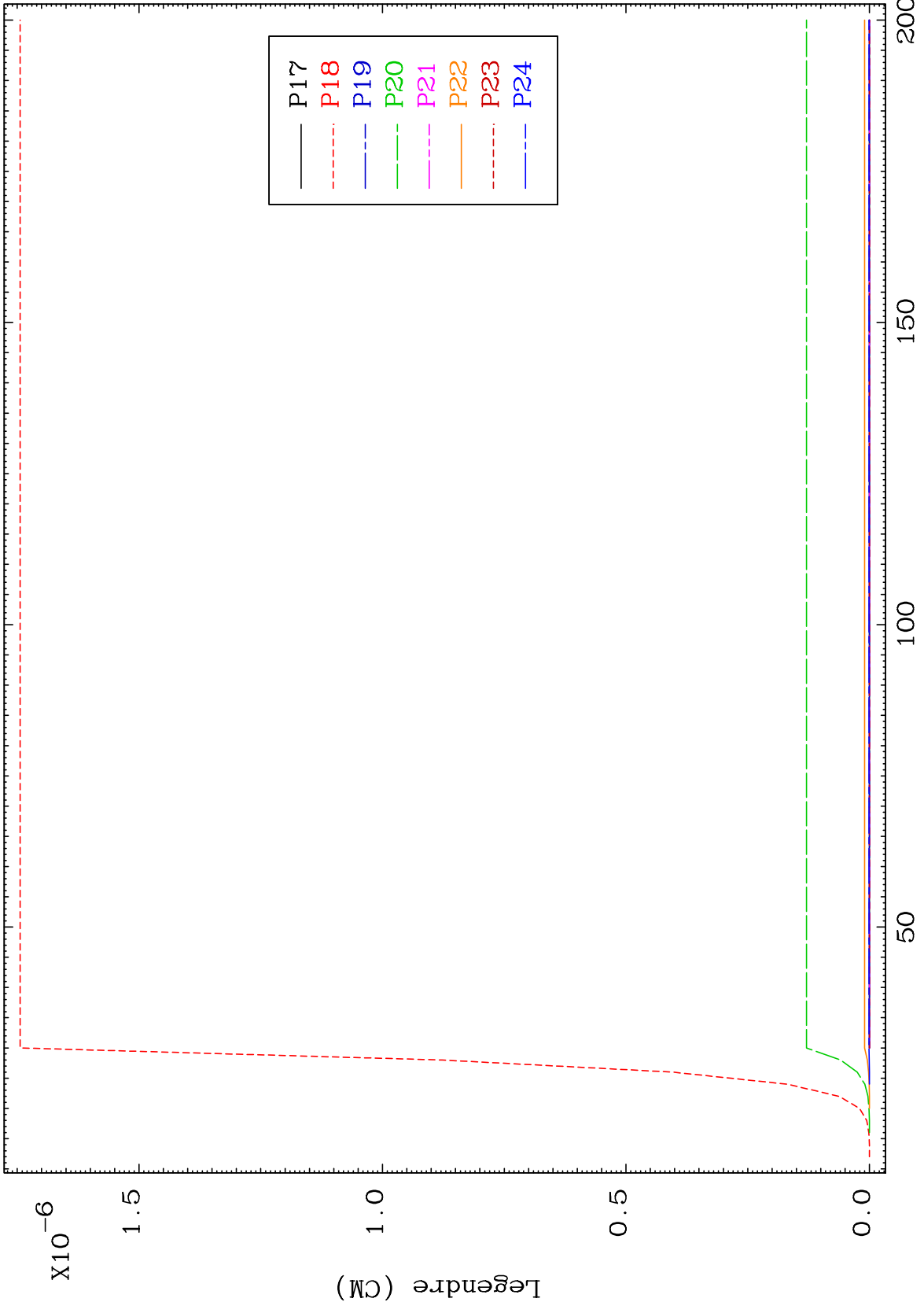


72

Incident Energy (MeV)

39-Y -85

MAT 3913 MT= 67 (n,n') Level Legendre Coefficients 39-Y -85

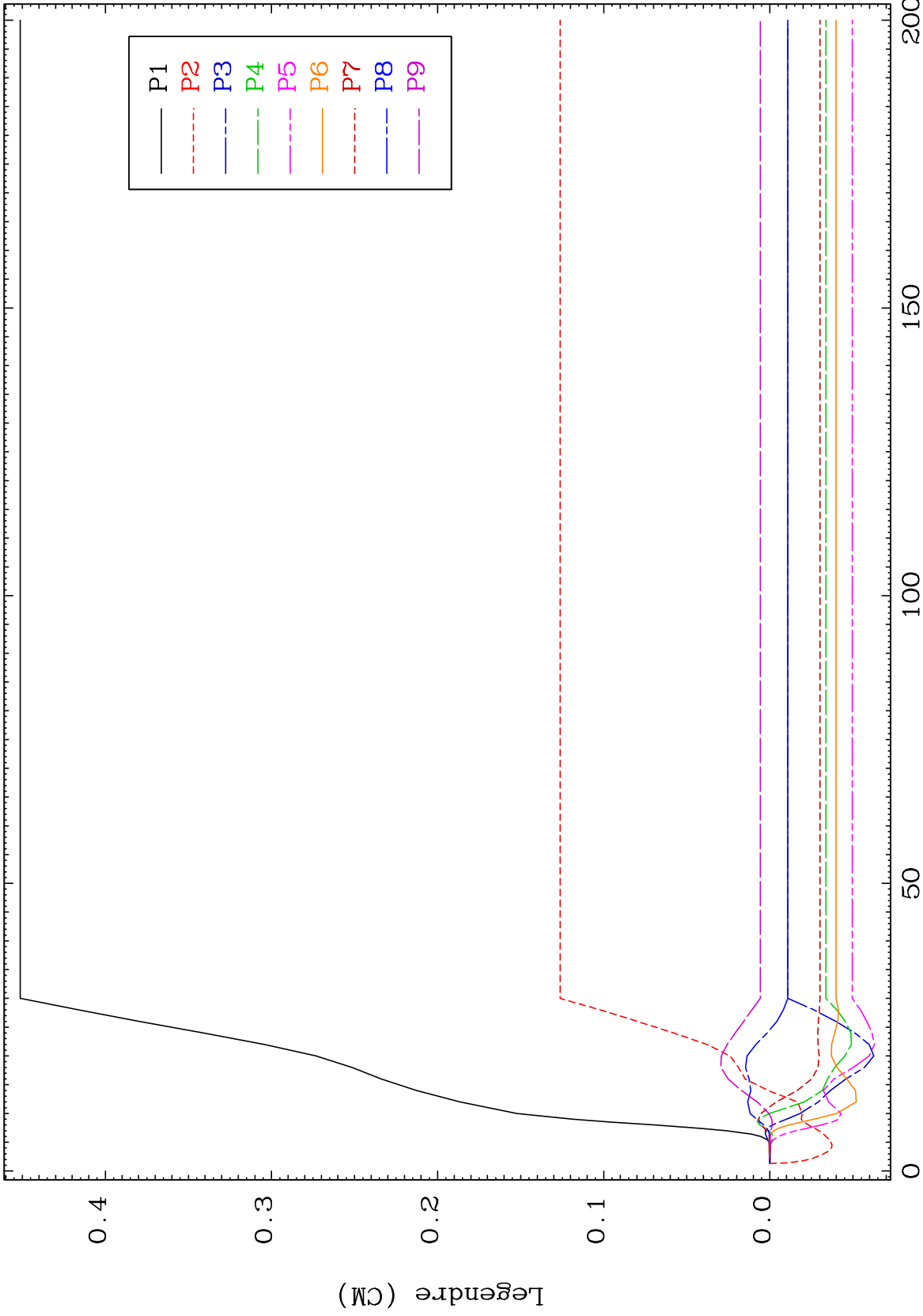


73 39-Y -85

MAT 3913

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

39-Y -85



74

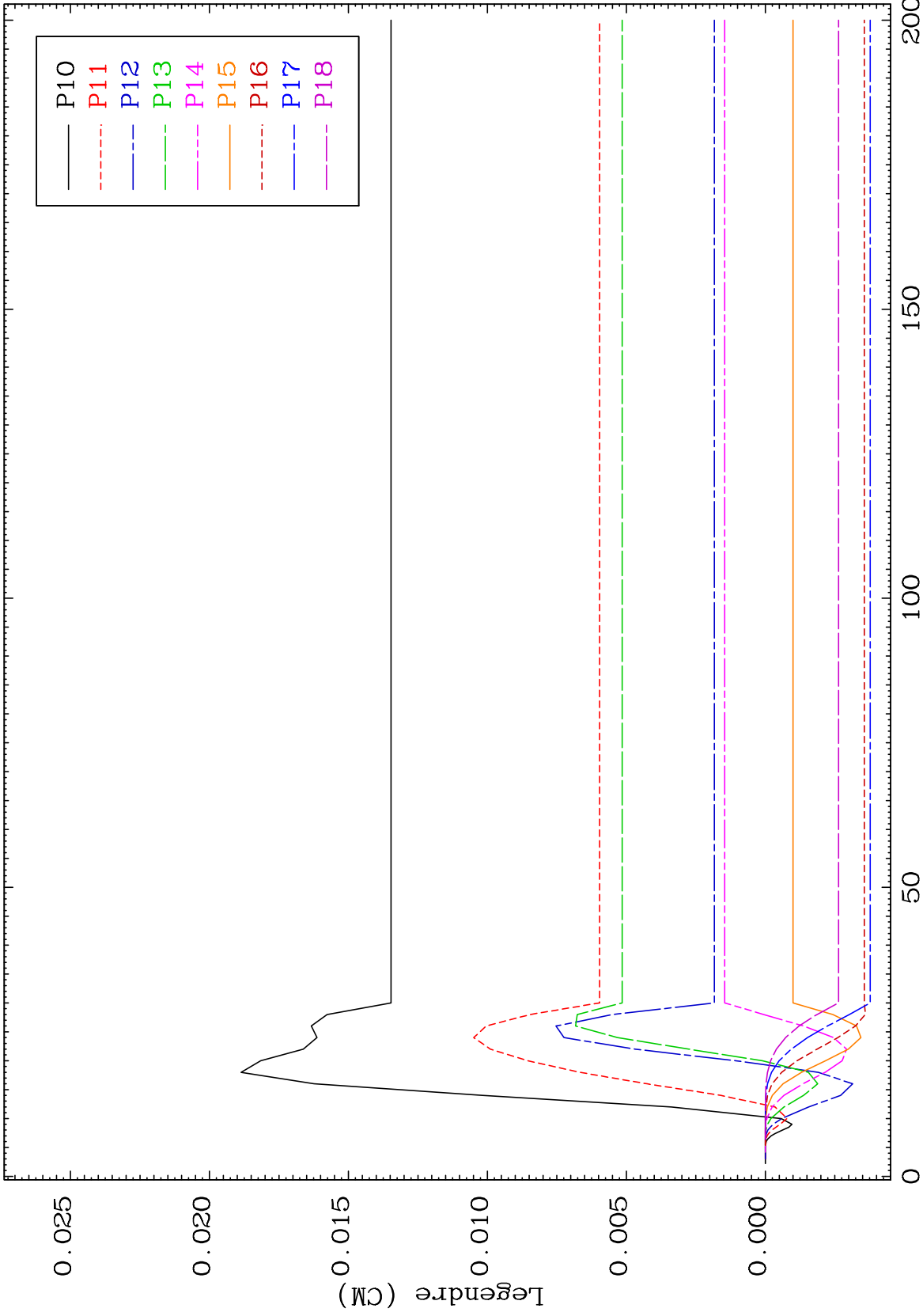
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85

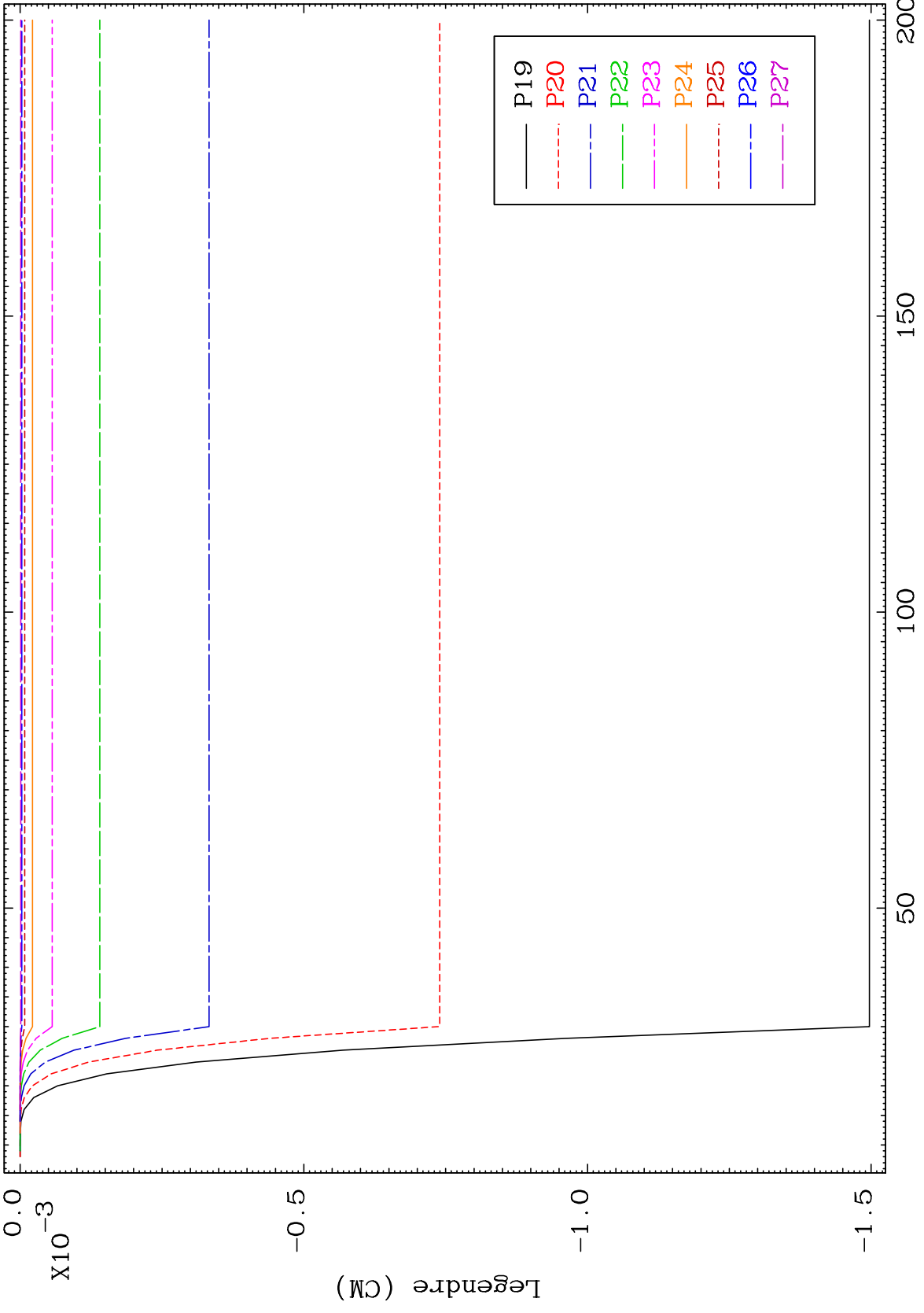


75

Incident Energy (MeV)

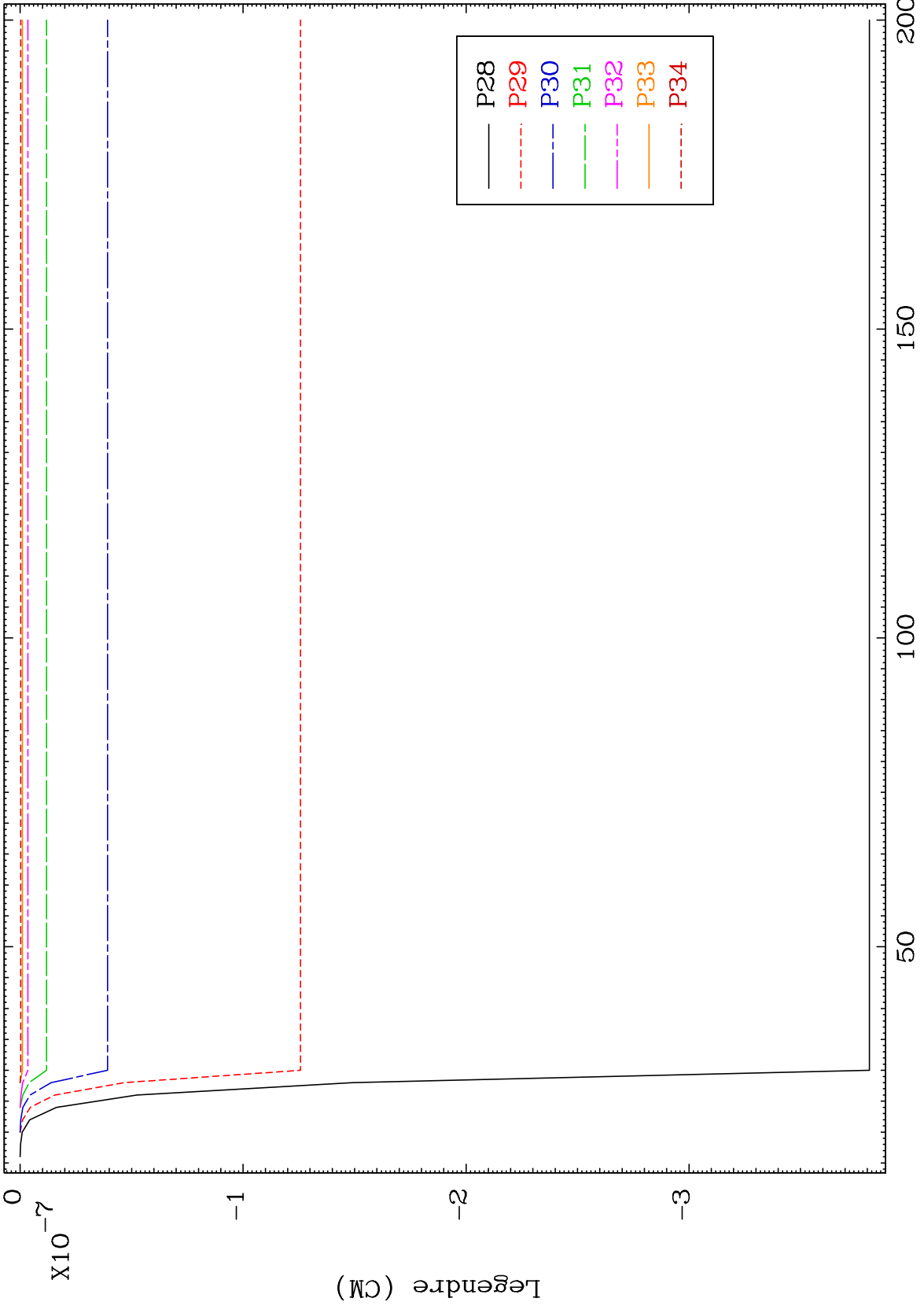
39-Y -85

MAT 3913 MT= 68 (n,n') Level Legendre Coefficients 39-Y -85



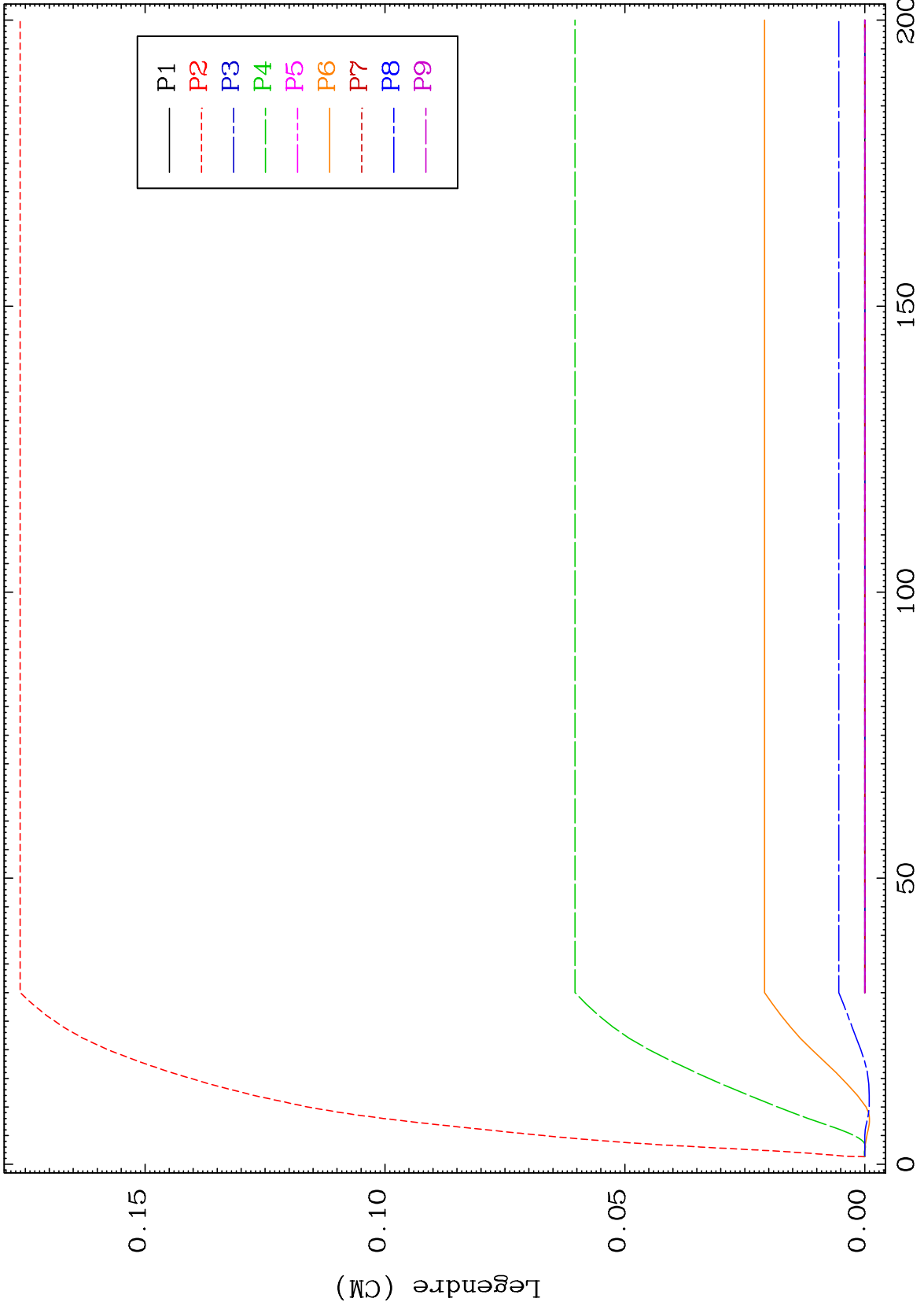
76 Incident Energy (MeV) 39-Y -85

MAT 3913 MT= 68 (n,n') Level Legendre Coefficients 39-Y -85



77 39-Y -85

MAT 3913 MT= 69 (n,n') Level Legendre Coefficients 39-Y -85

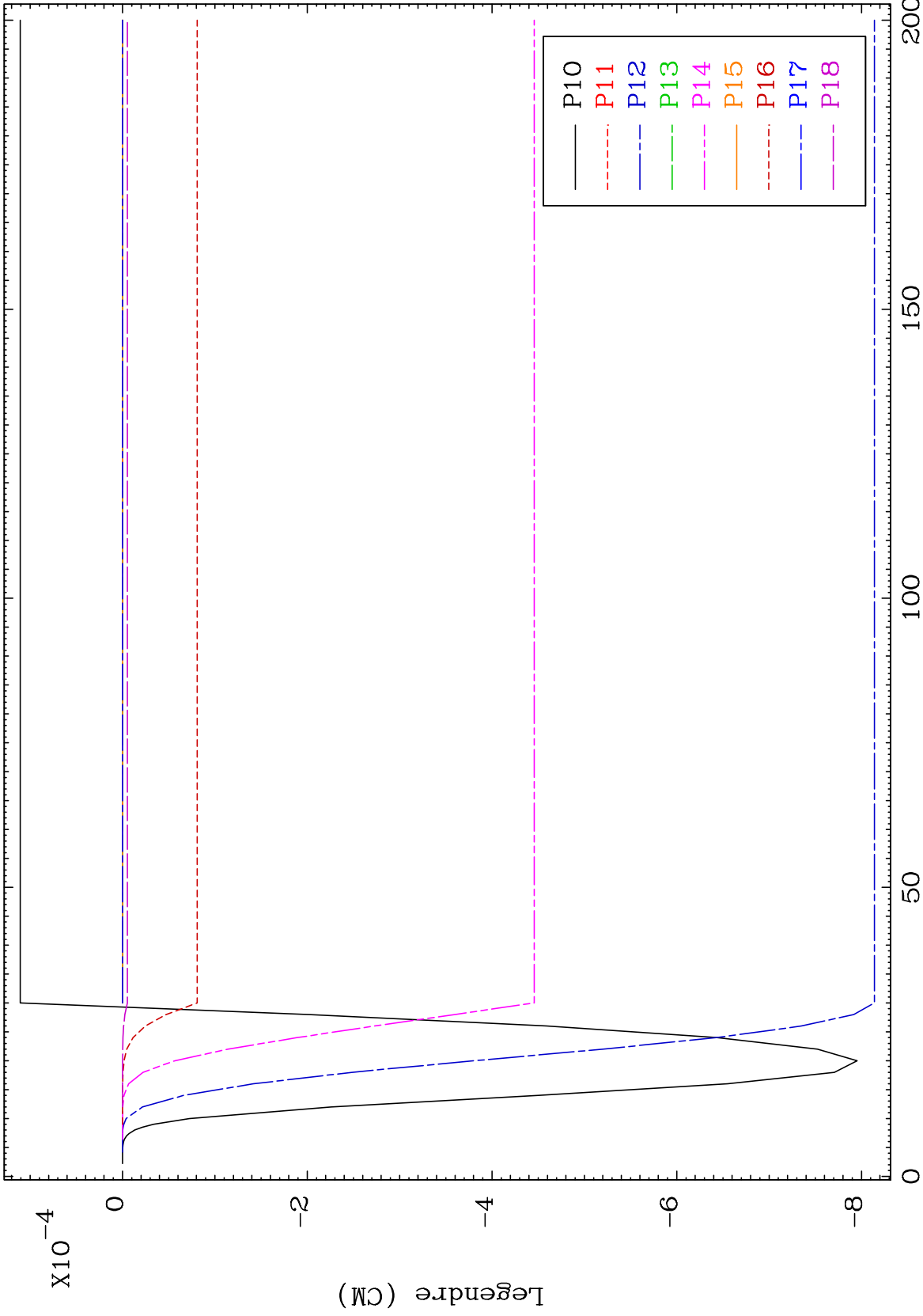


78 Incident Energy (MeV) 39-Y -85

MAT 3913

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

39-Y -85

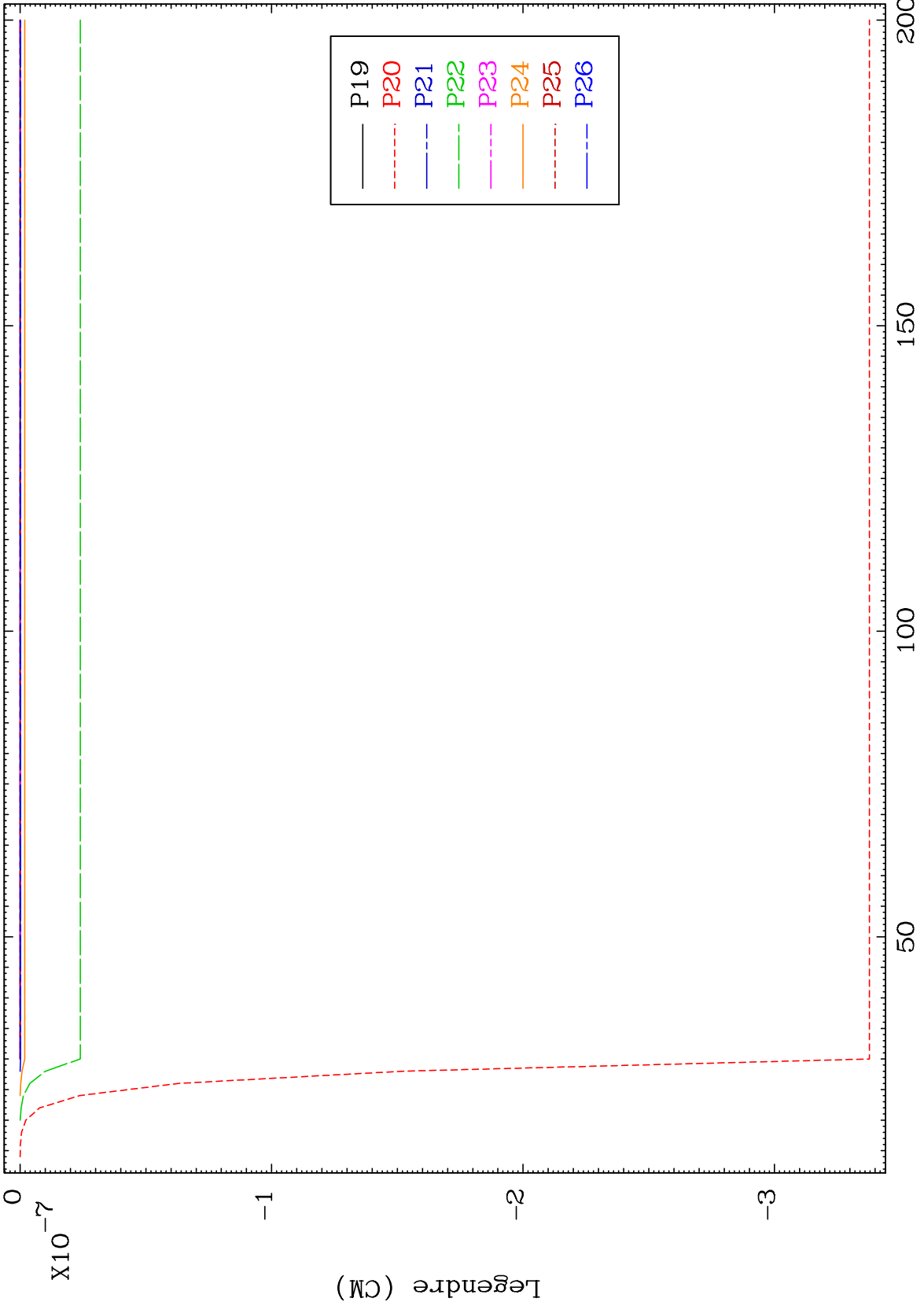


79

Incident Energy (MeV)

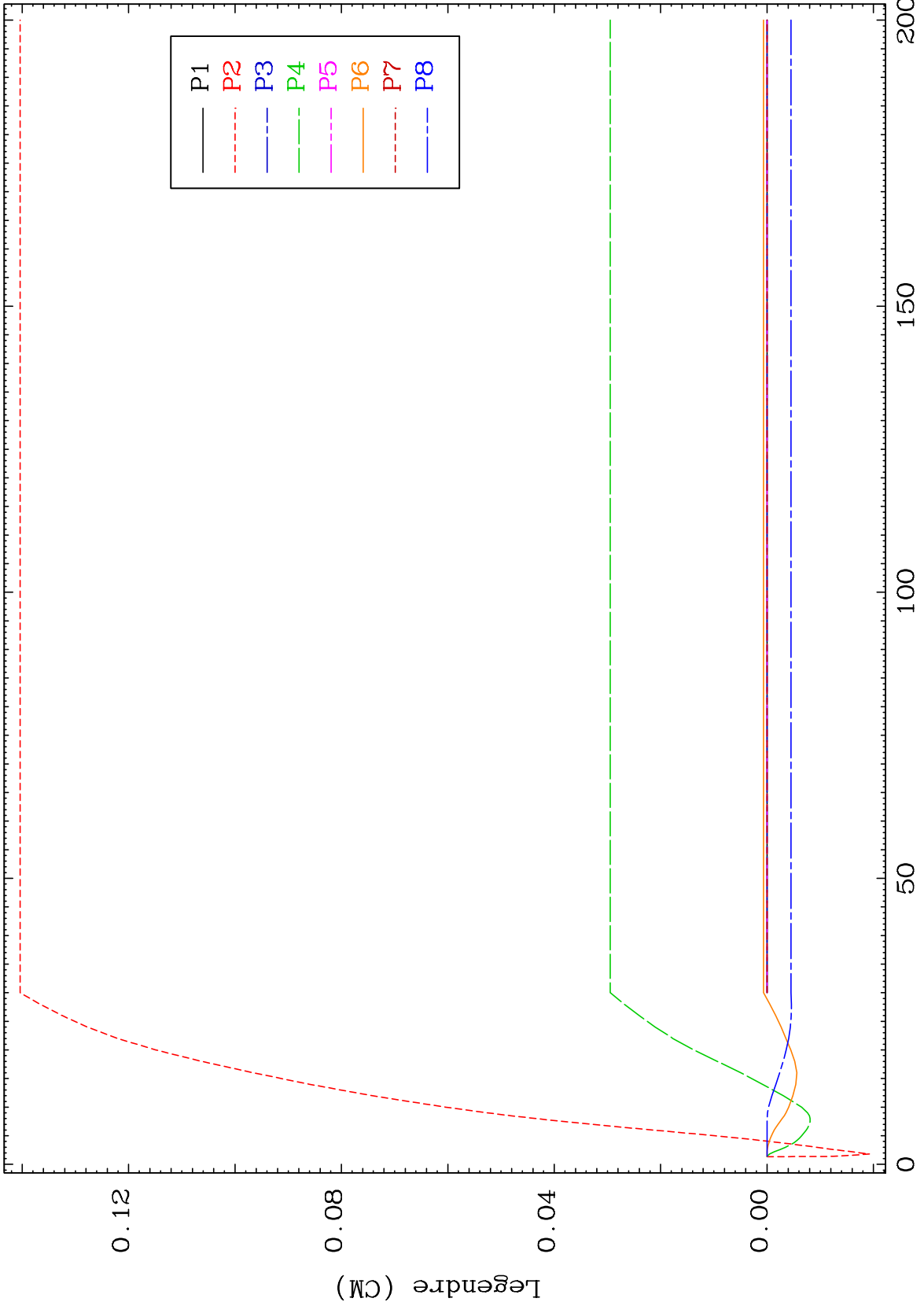
39-Y -85

MAT 3913 MT= 69 (n,n') Level Legendre Coefficients 39-Y -85



80 50 100 150 200 39-Y -85

MAT 3913 MT= 70 (n,n') Level Legendre Coefficients 39-Y -85

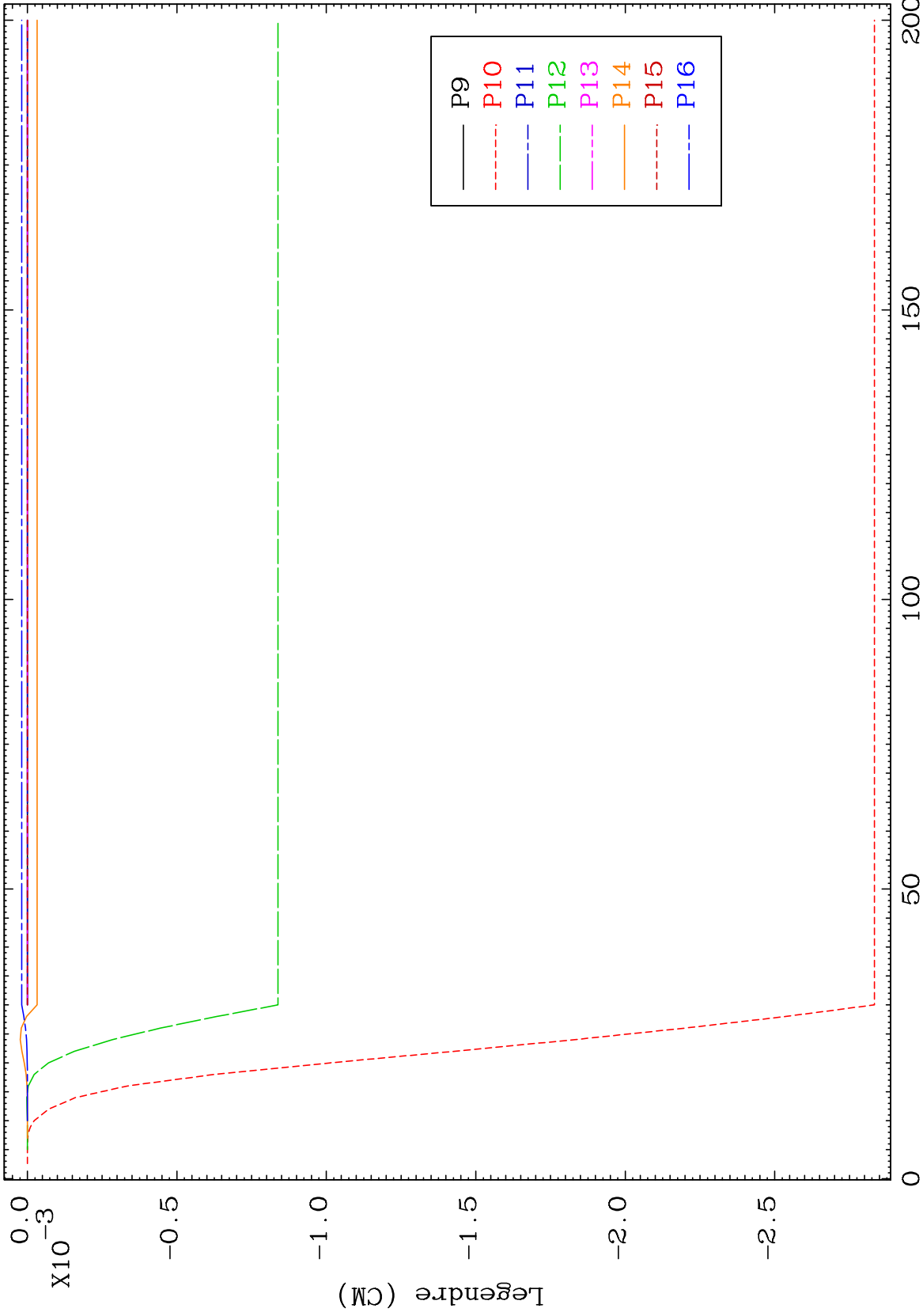


81 39-Y -85

MAT 3913

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

39-Y -85

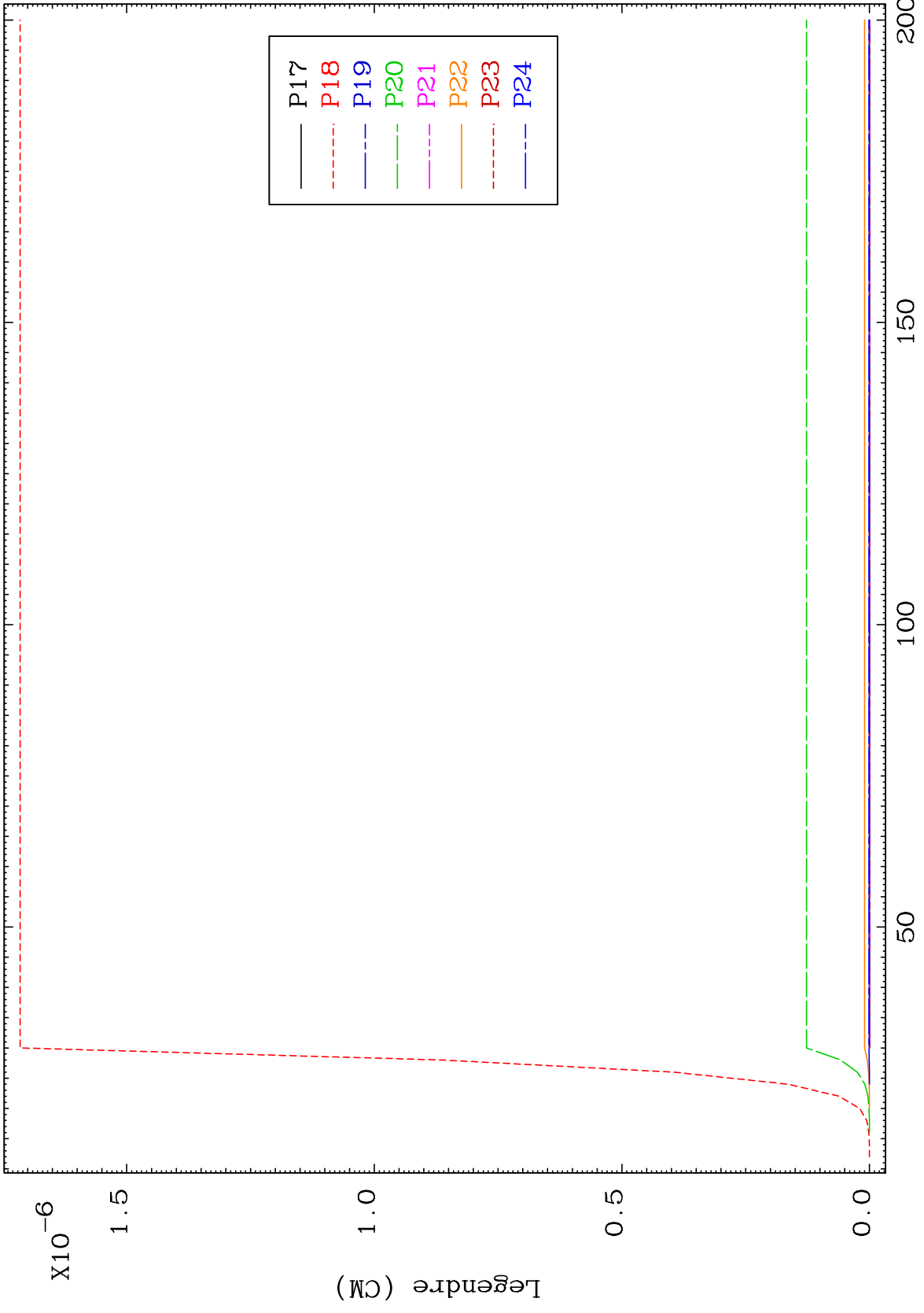


82

Incident Energy (MeV)

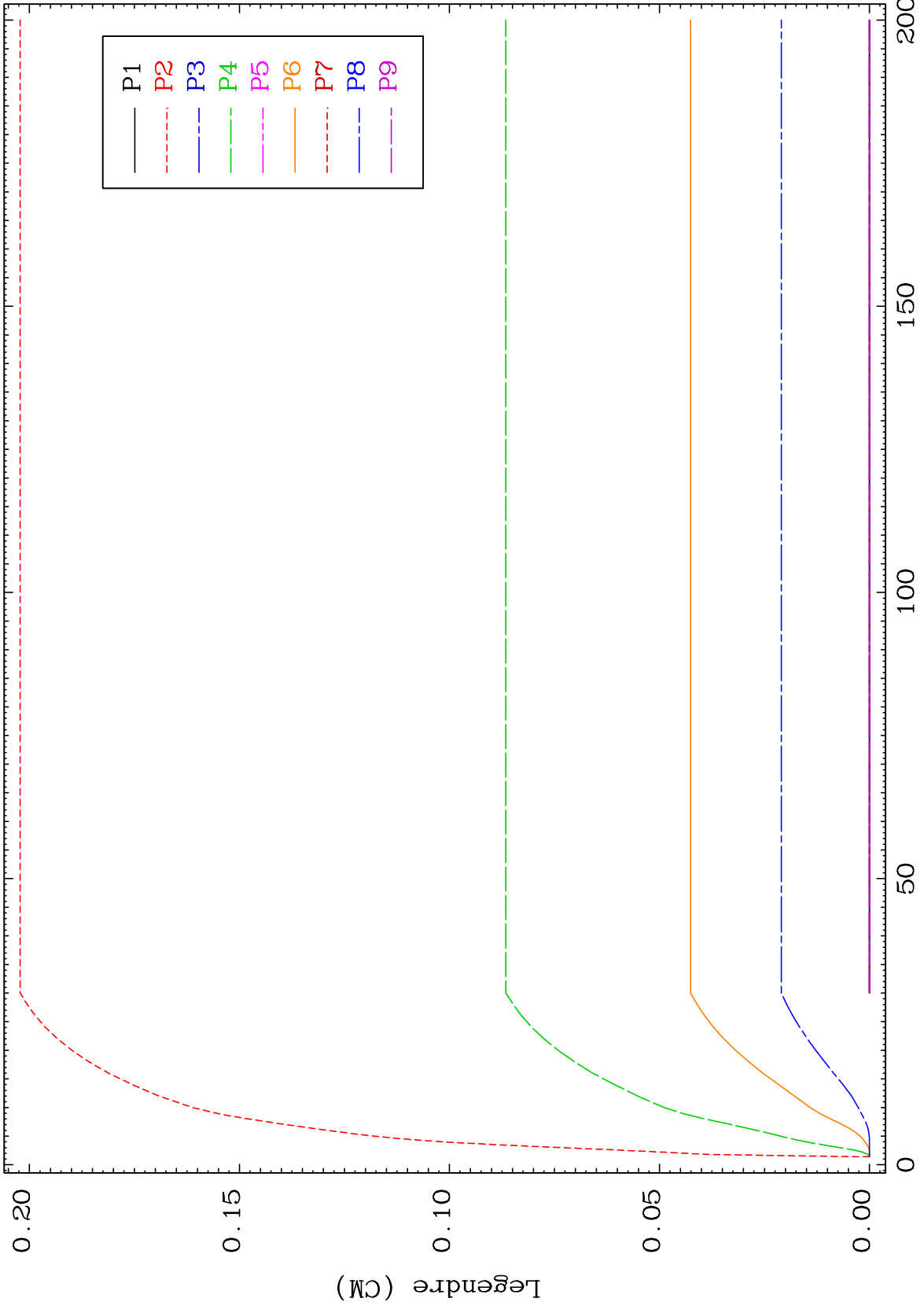
39-Y -85

MAT 3913 MT= 70 (n,n') Level Legendre Coefficients 39-Y -85



83 39-Y -85

MAT 3913 MT= 71 (n,n') Level Legendre Coefficients 39-Y -85

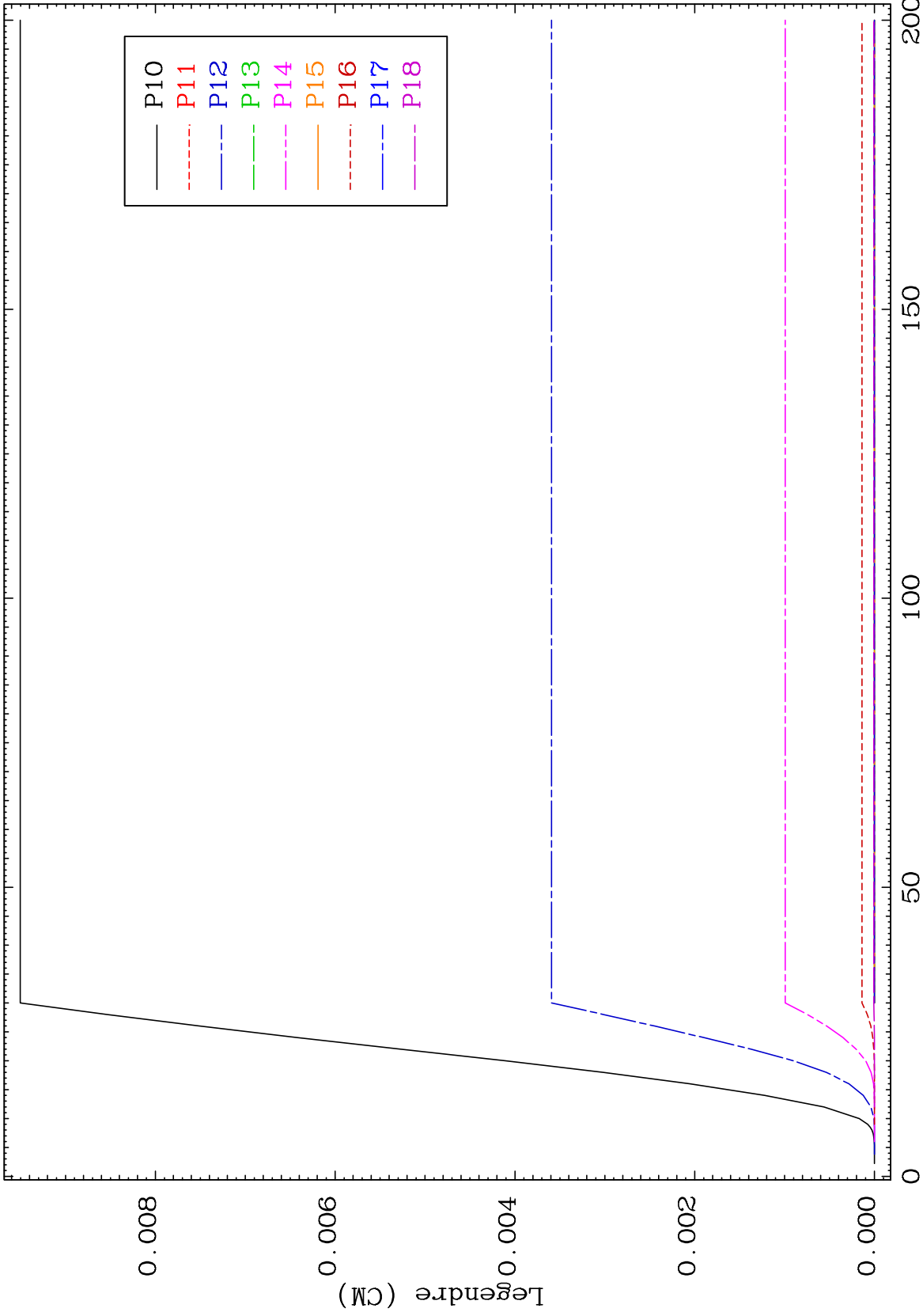


84 39-Y -85

MAT 3913

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

39-Y -85

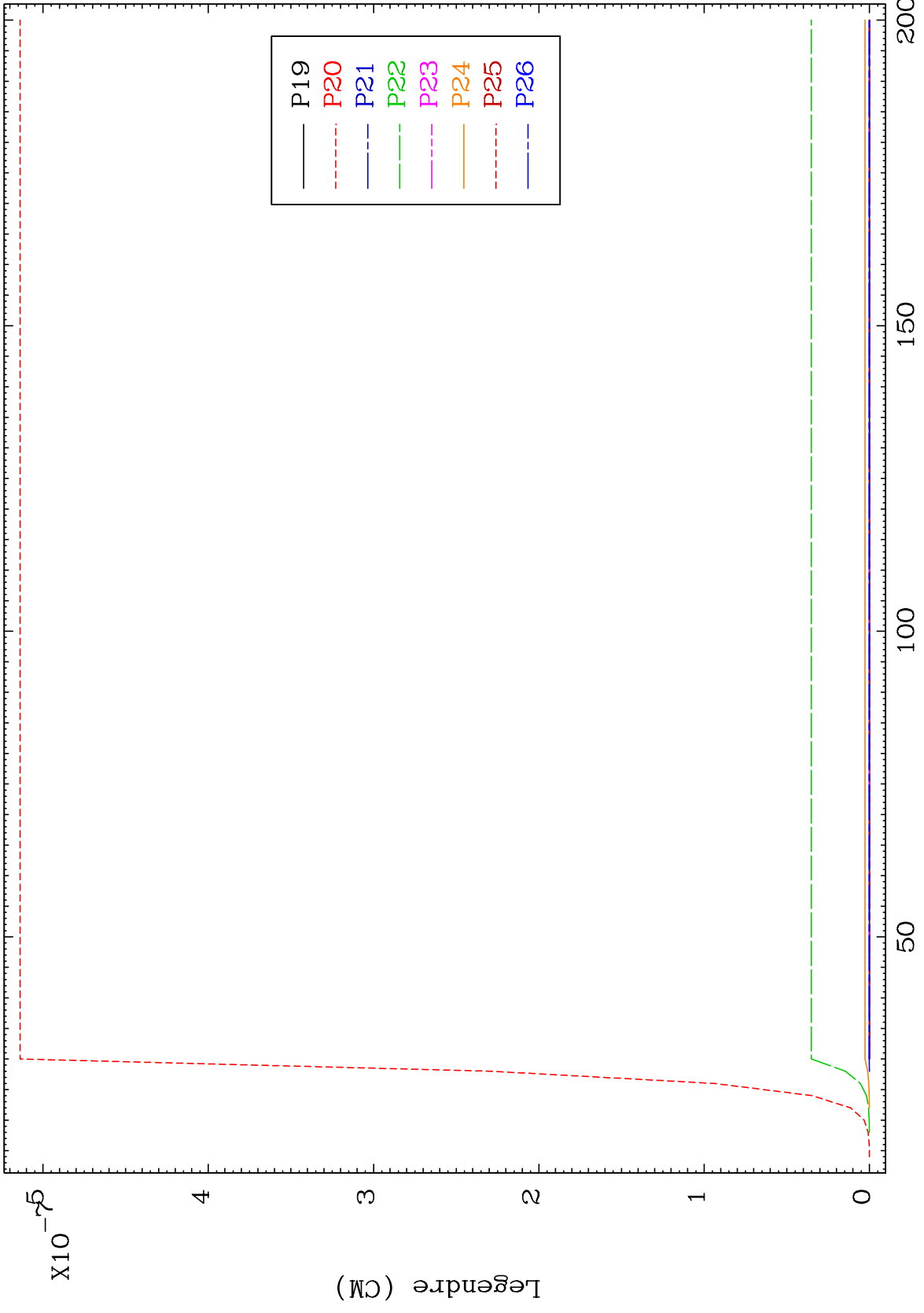


85

Incident Energy (MeV)

39-Y -85

MAT 3913 MT= 71 (n, n') Level Legendre Coefficients 39-Y -85

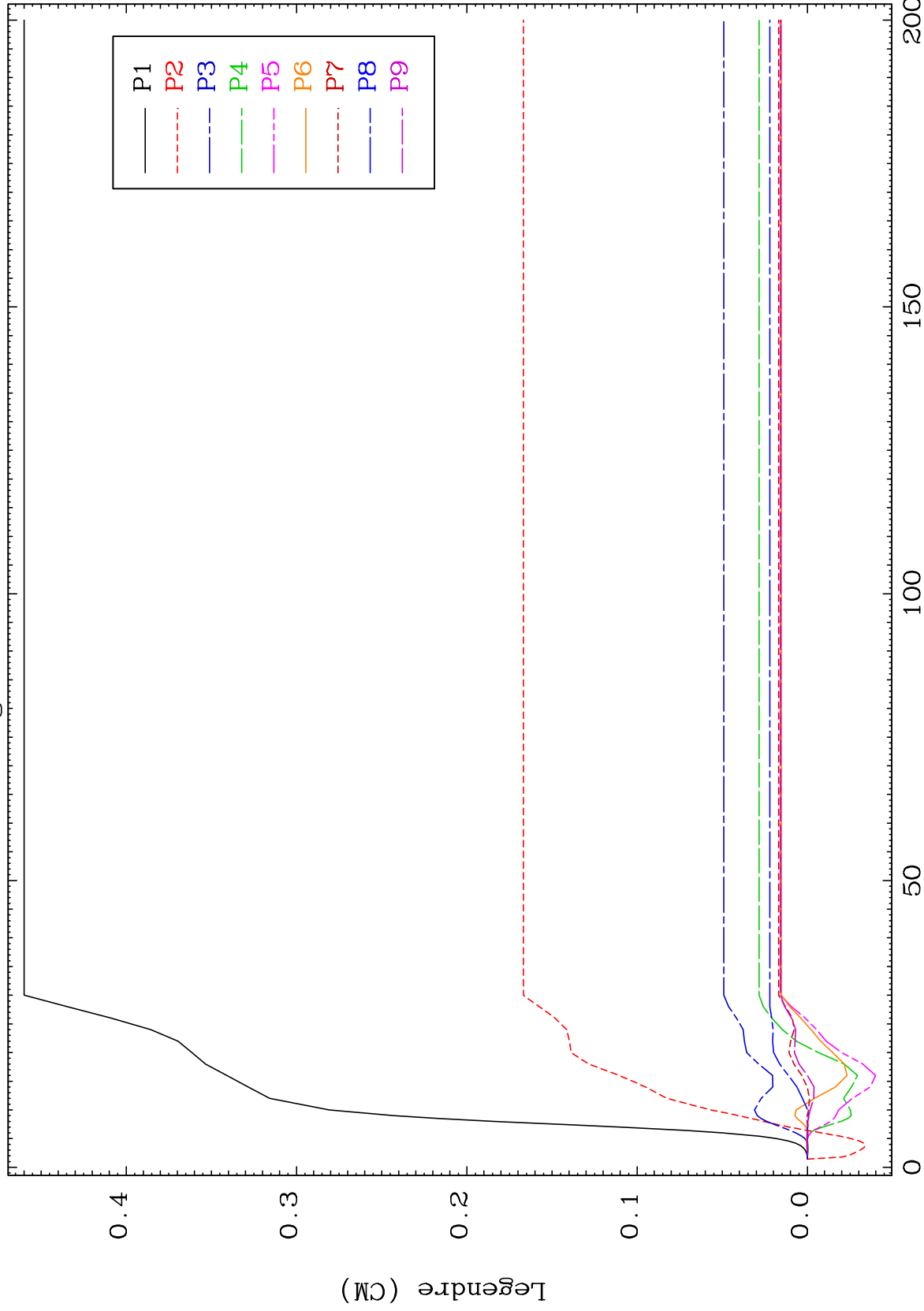


86 39-Y -85

MAT 3913

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

39-Y -85



87

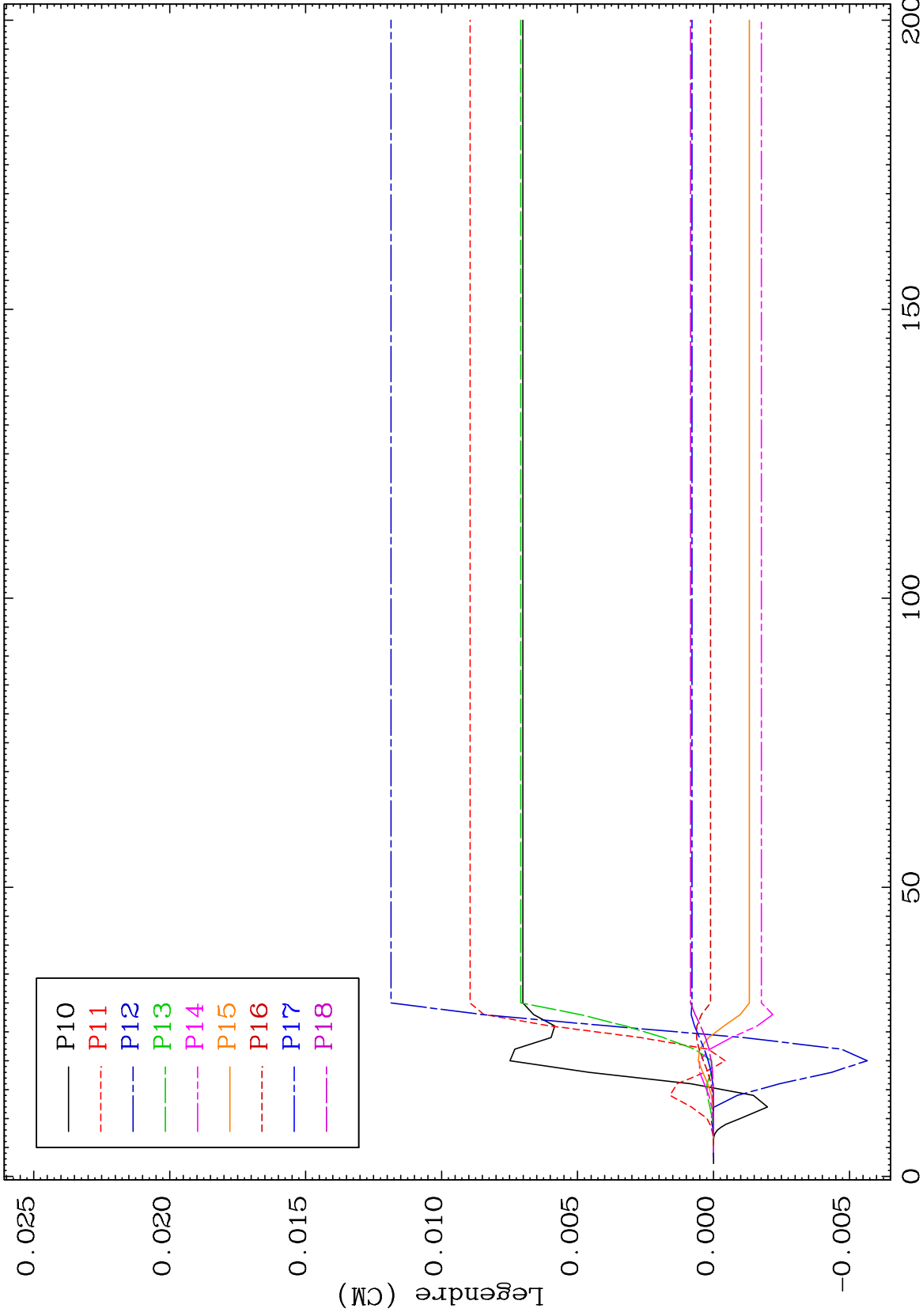
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



88

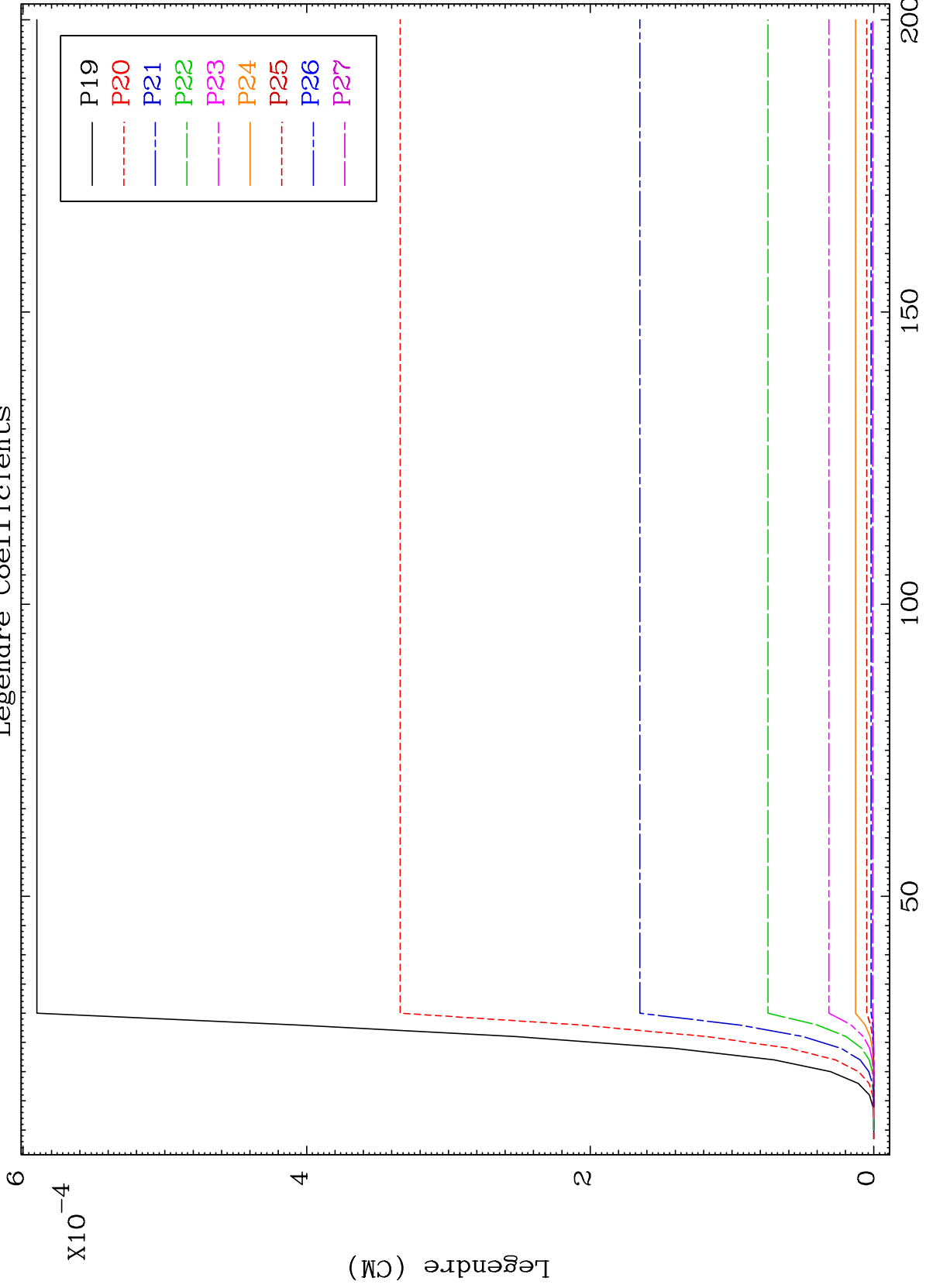
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



89

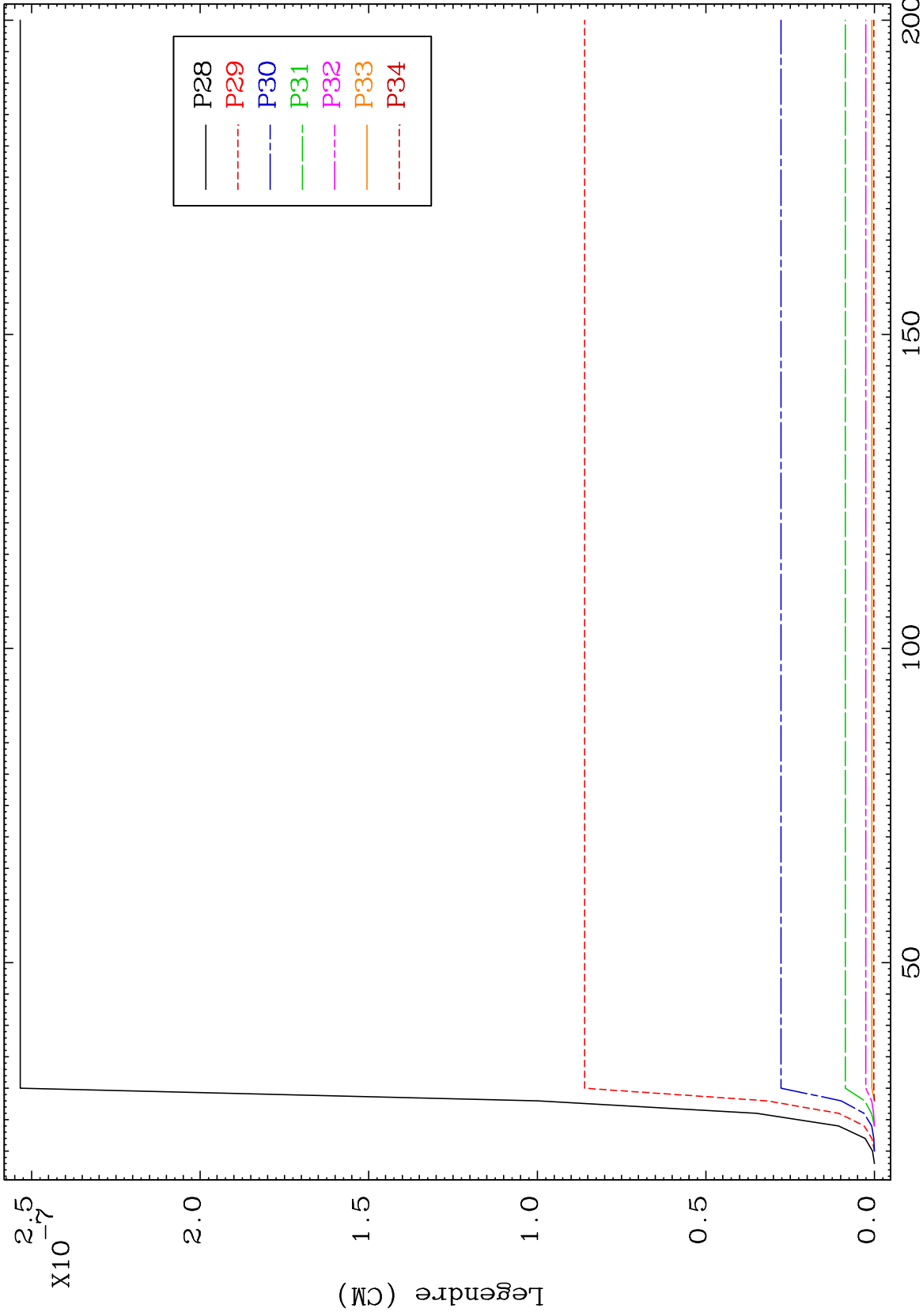
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



90

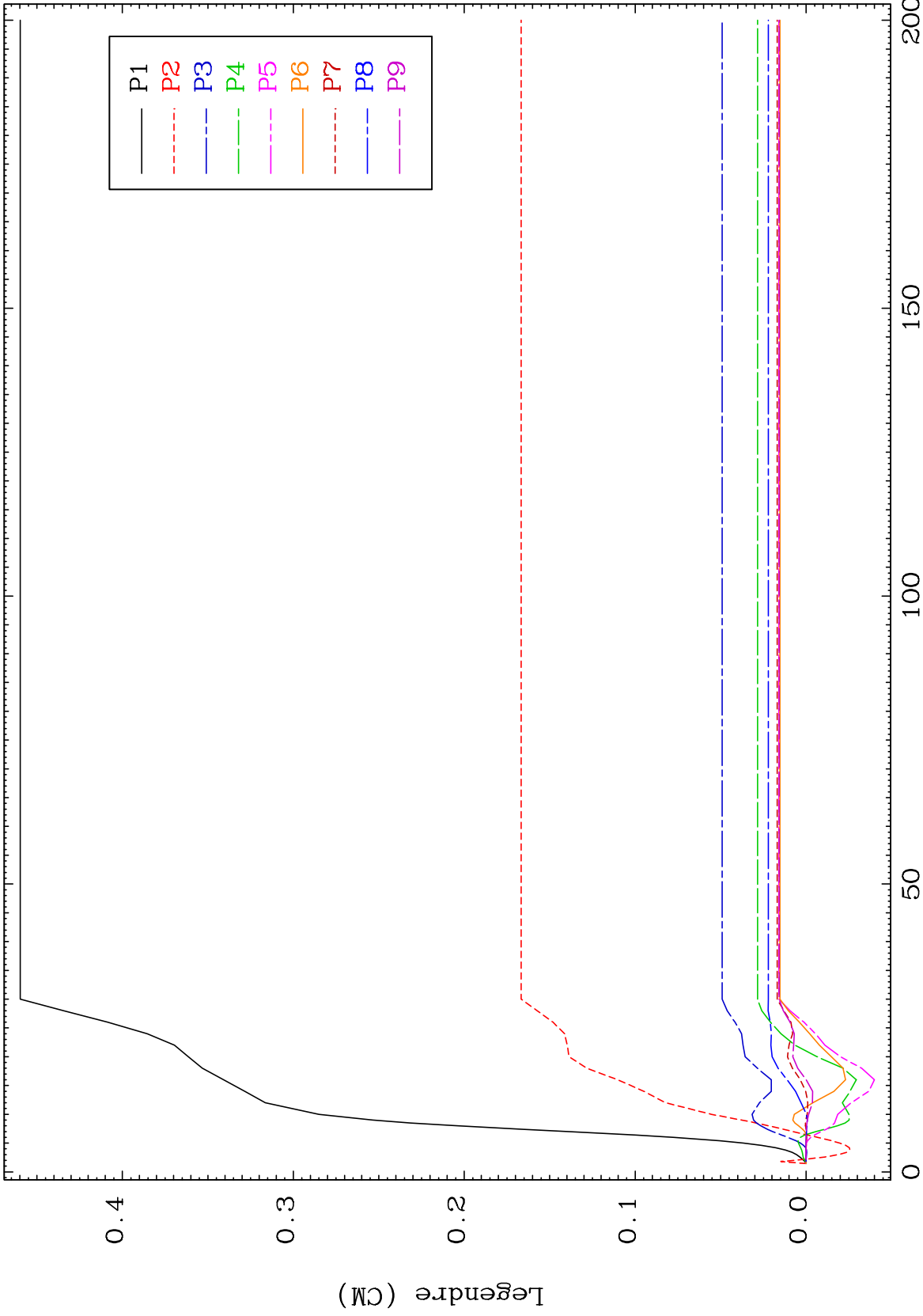
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



91

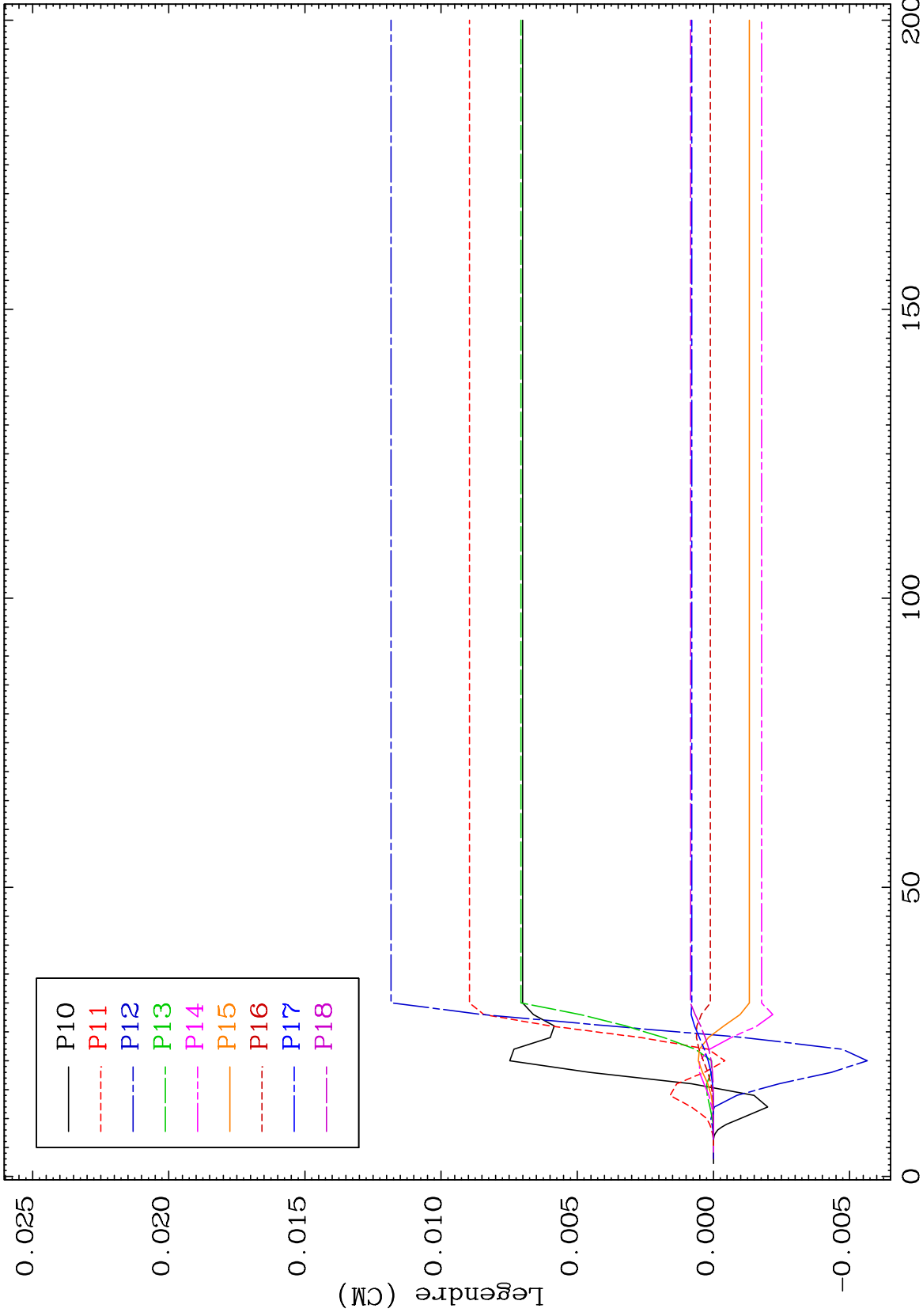
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



92

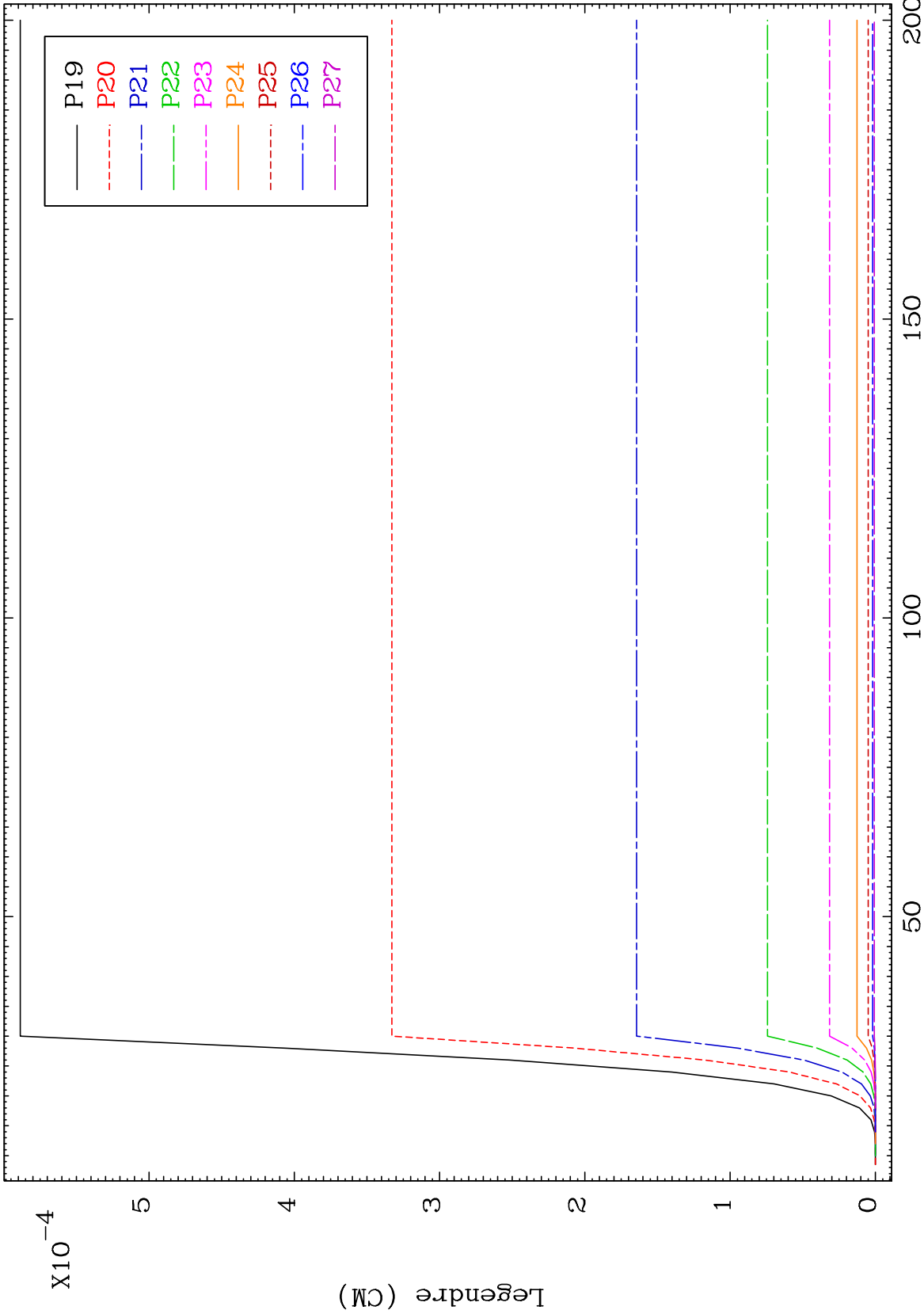
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



93

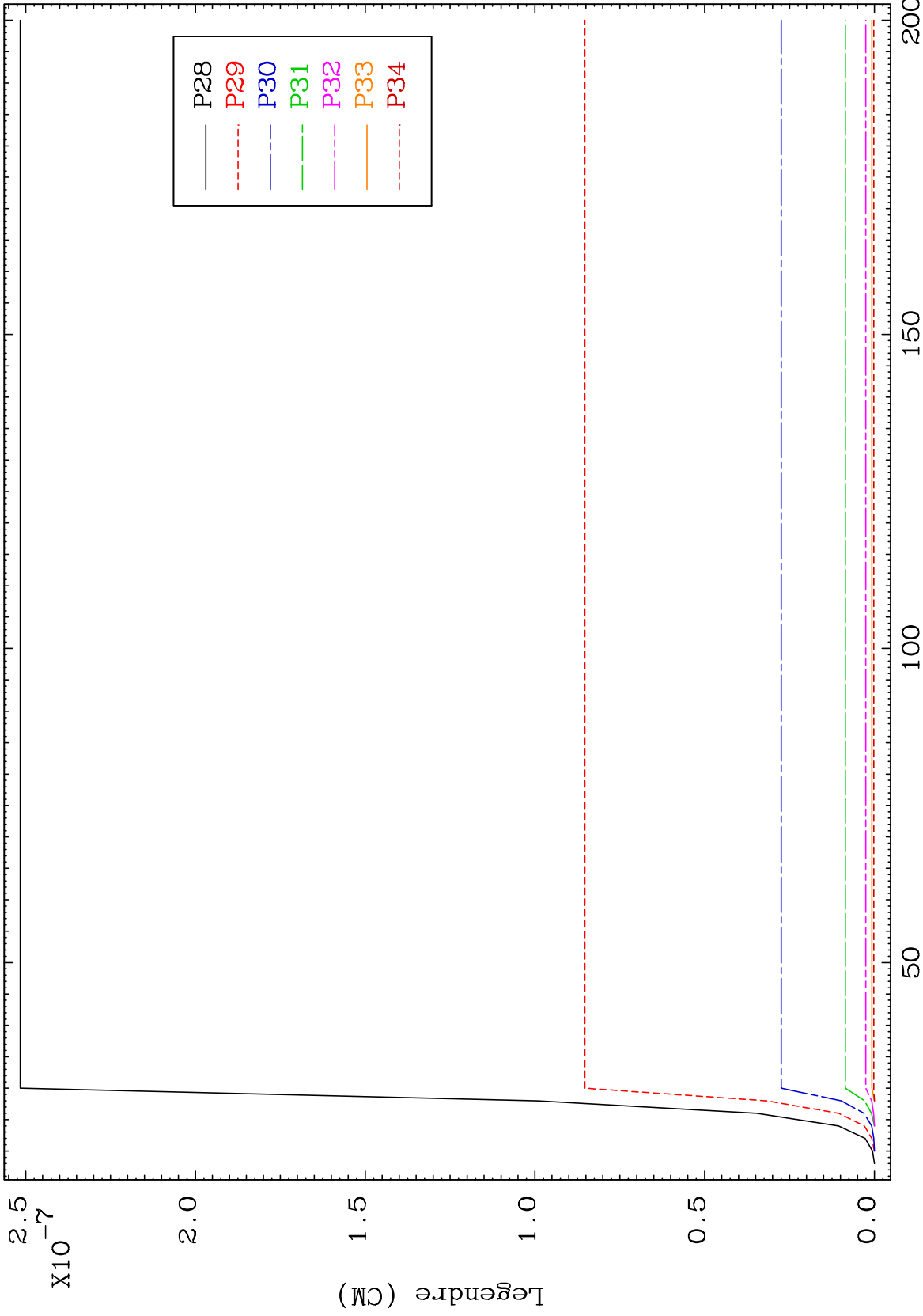
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



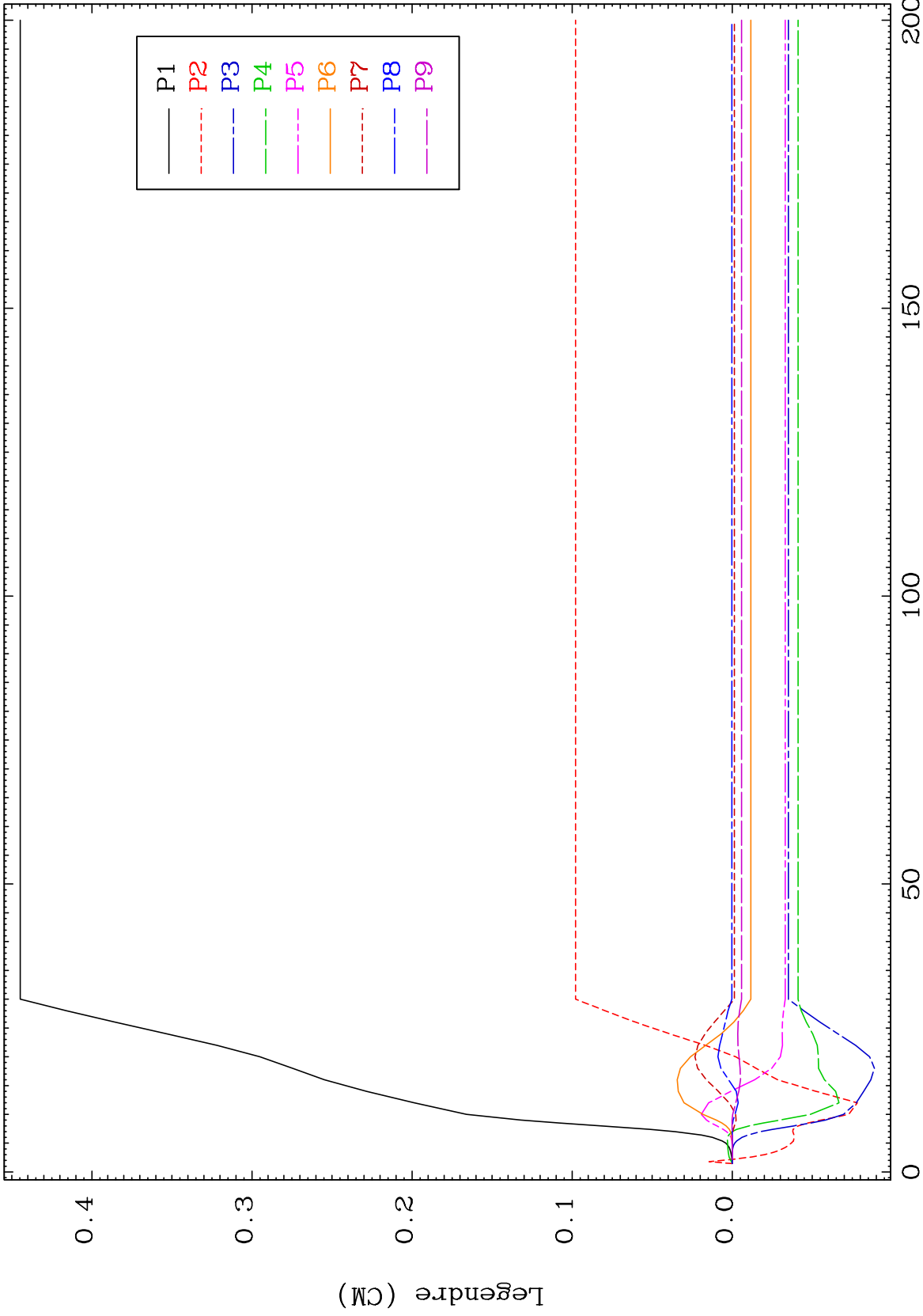
94

39-Y -85

MAT 3913

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

39-Y -85



95

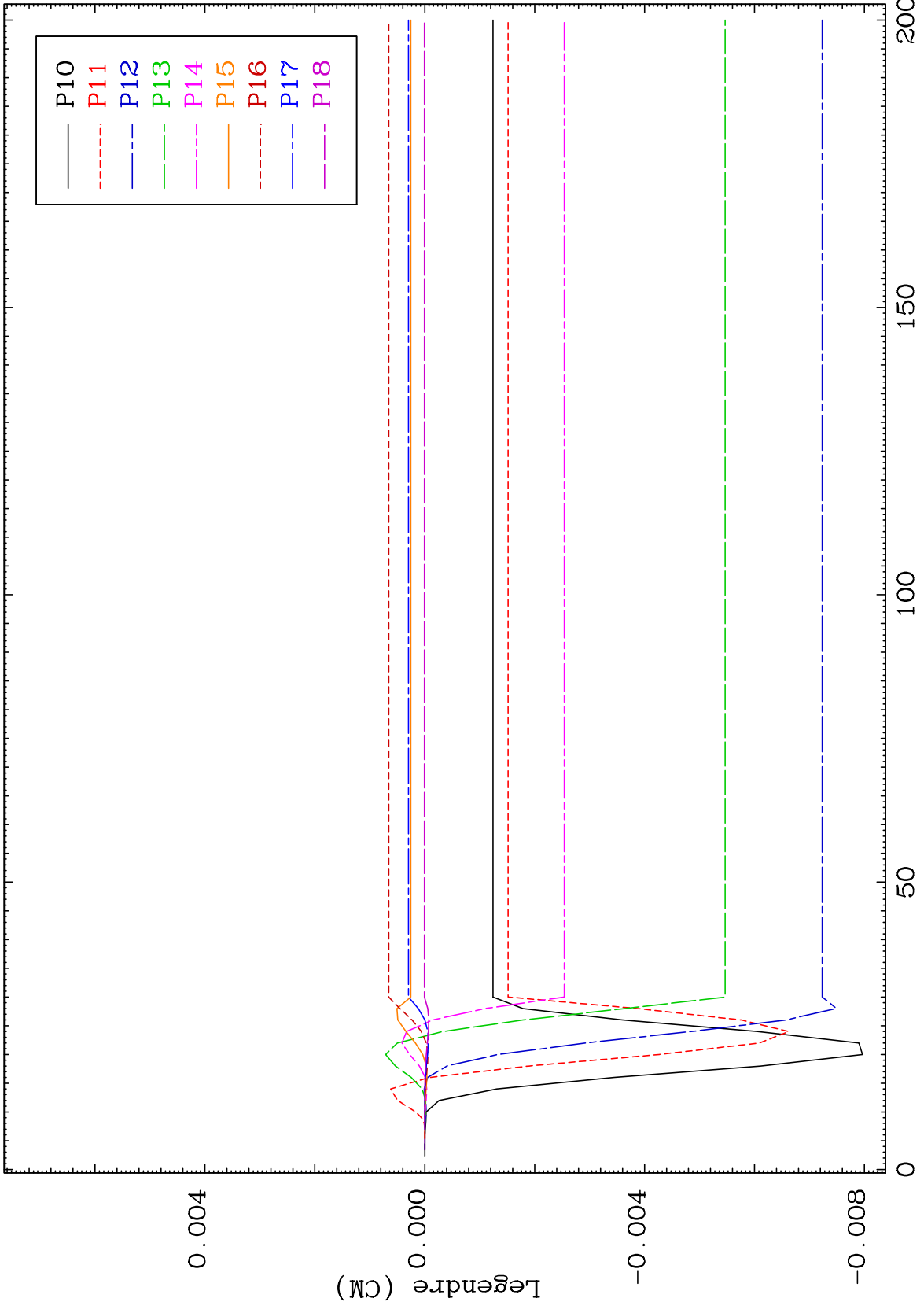
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



96

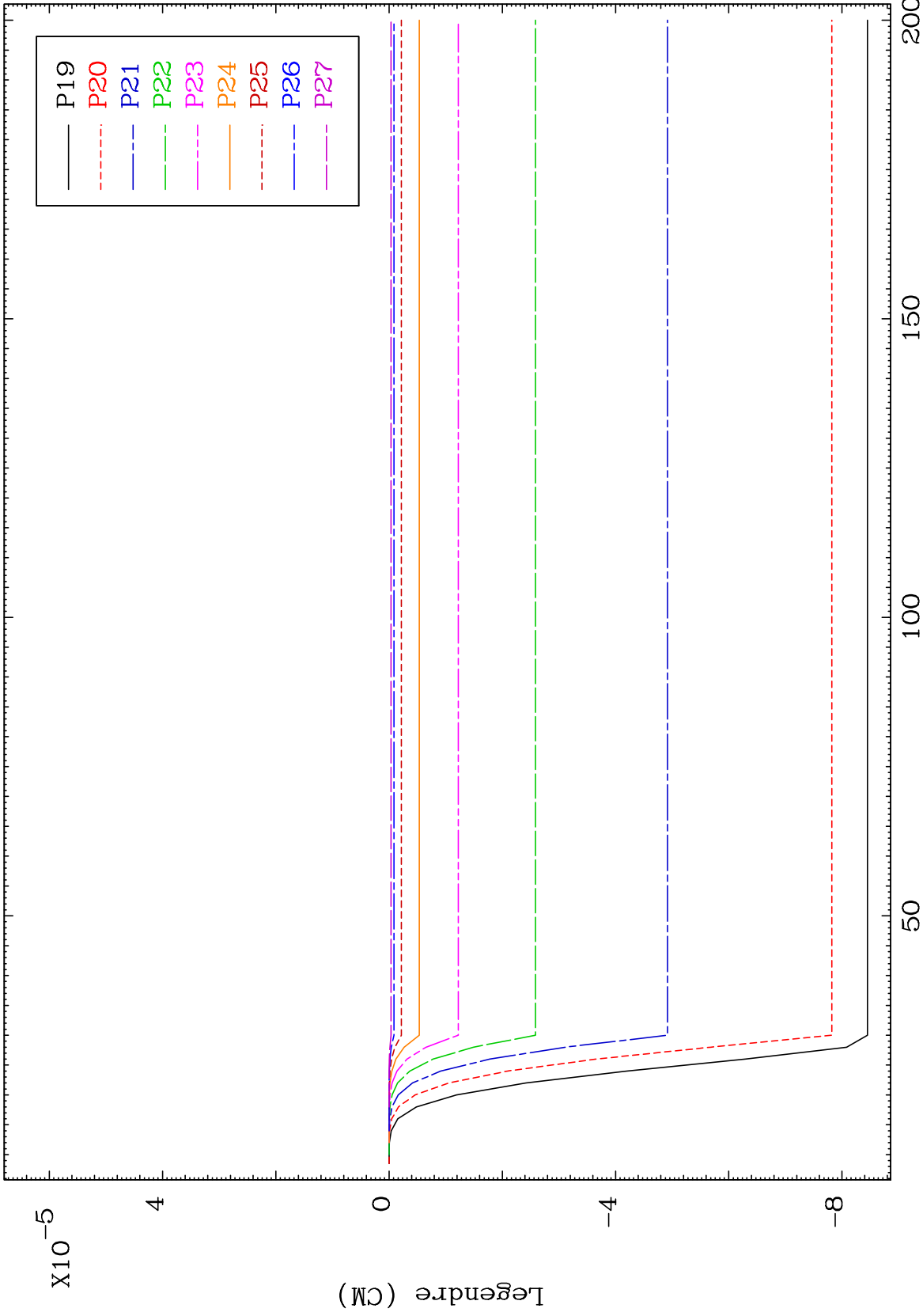
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



97

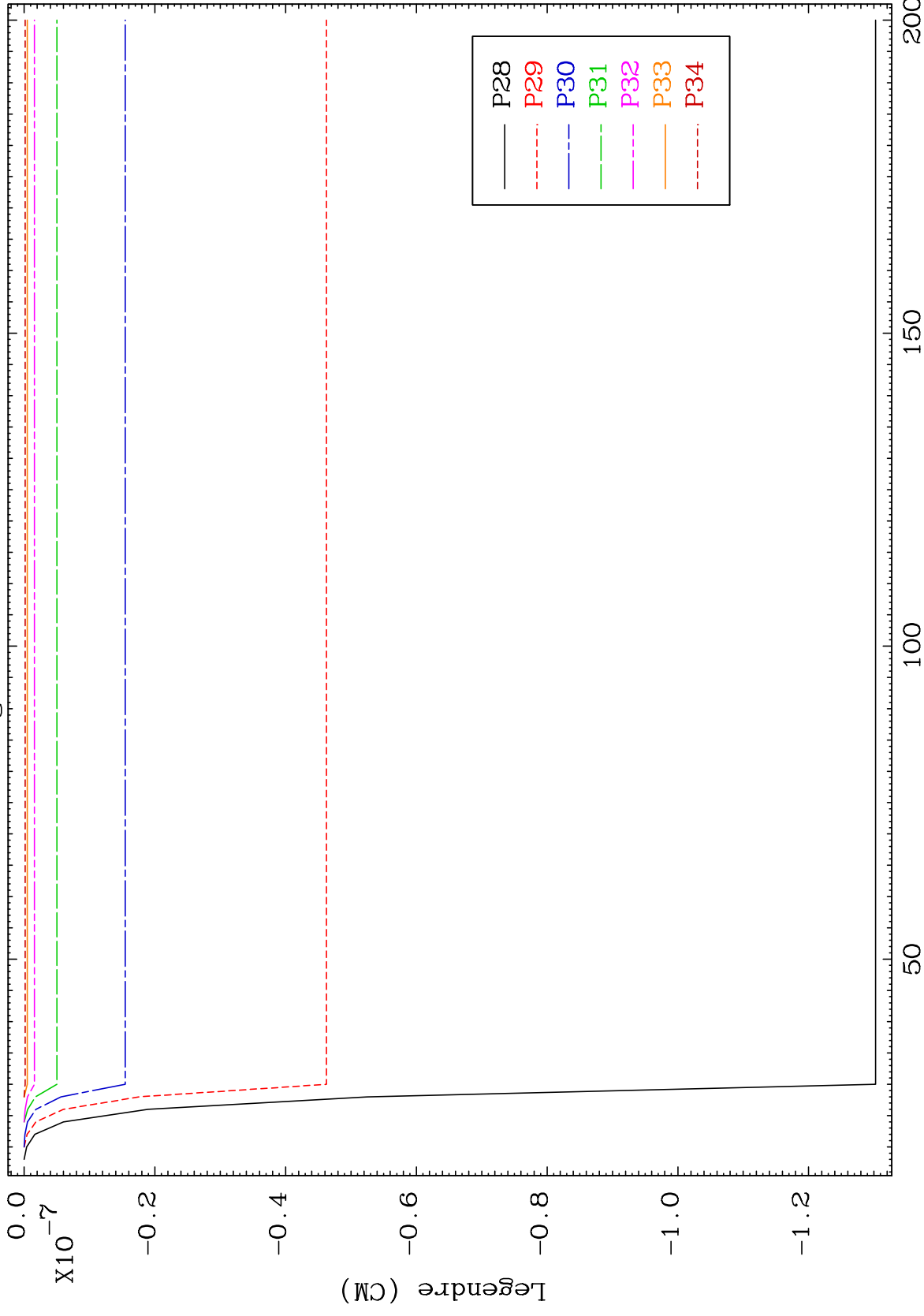
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



39-Y -85

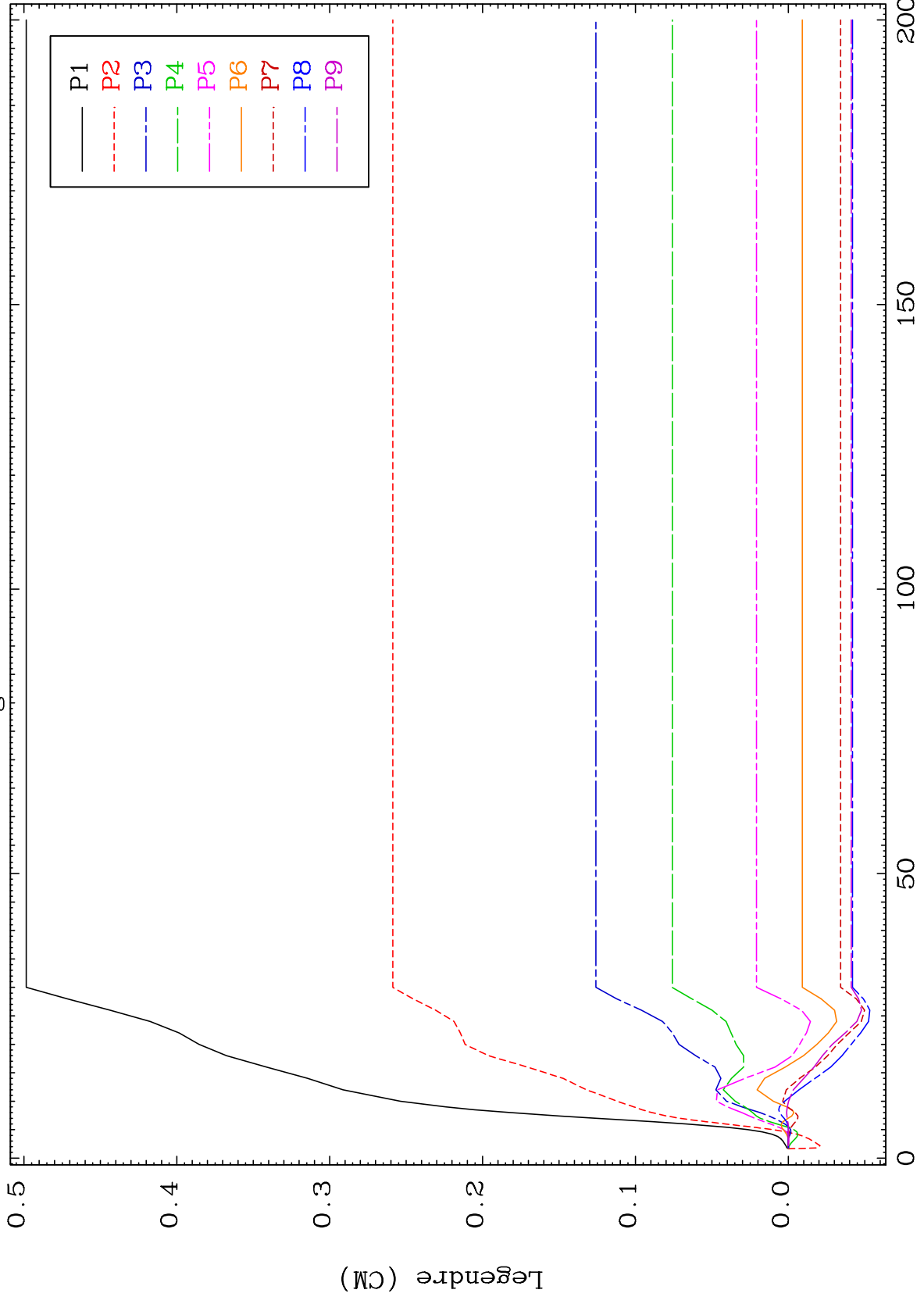
Incident Energy (MeV)

98

MAT 3913

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

39-Y -85



99

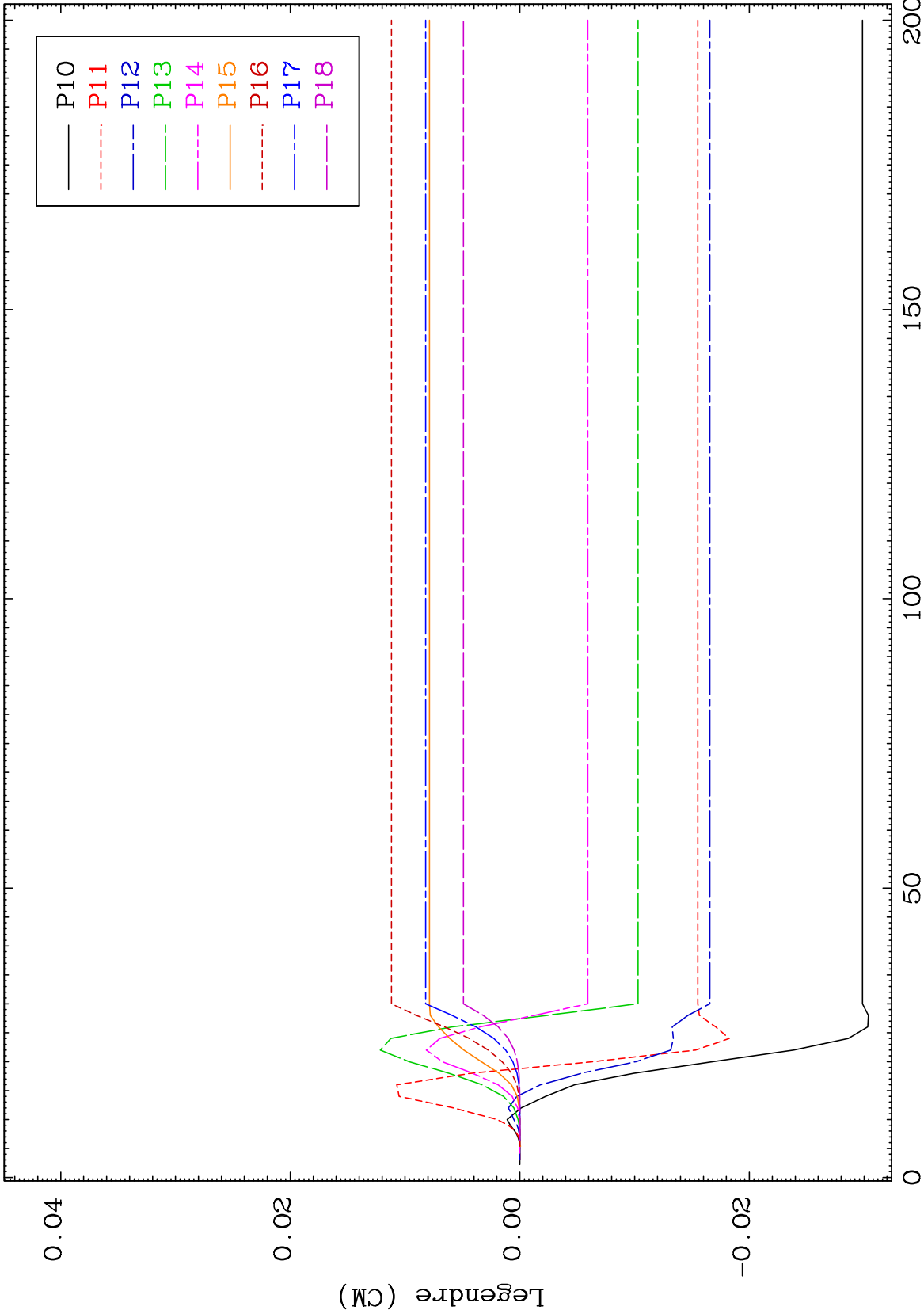
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



39-Y -85

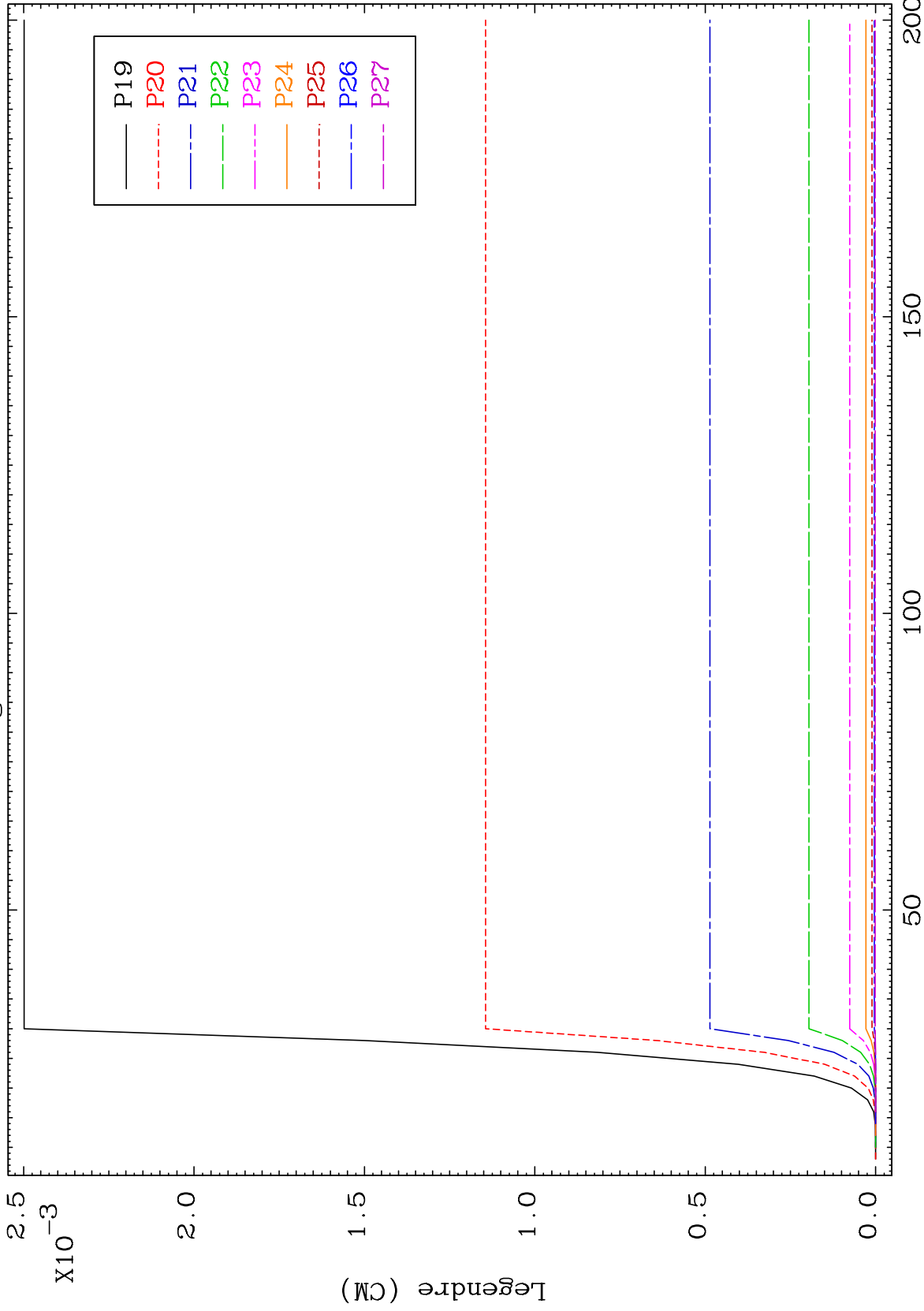
Incident Energy (MeV)

100

MAT 3913

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

39-Y -85



101

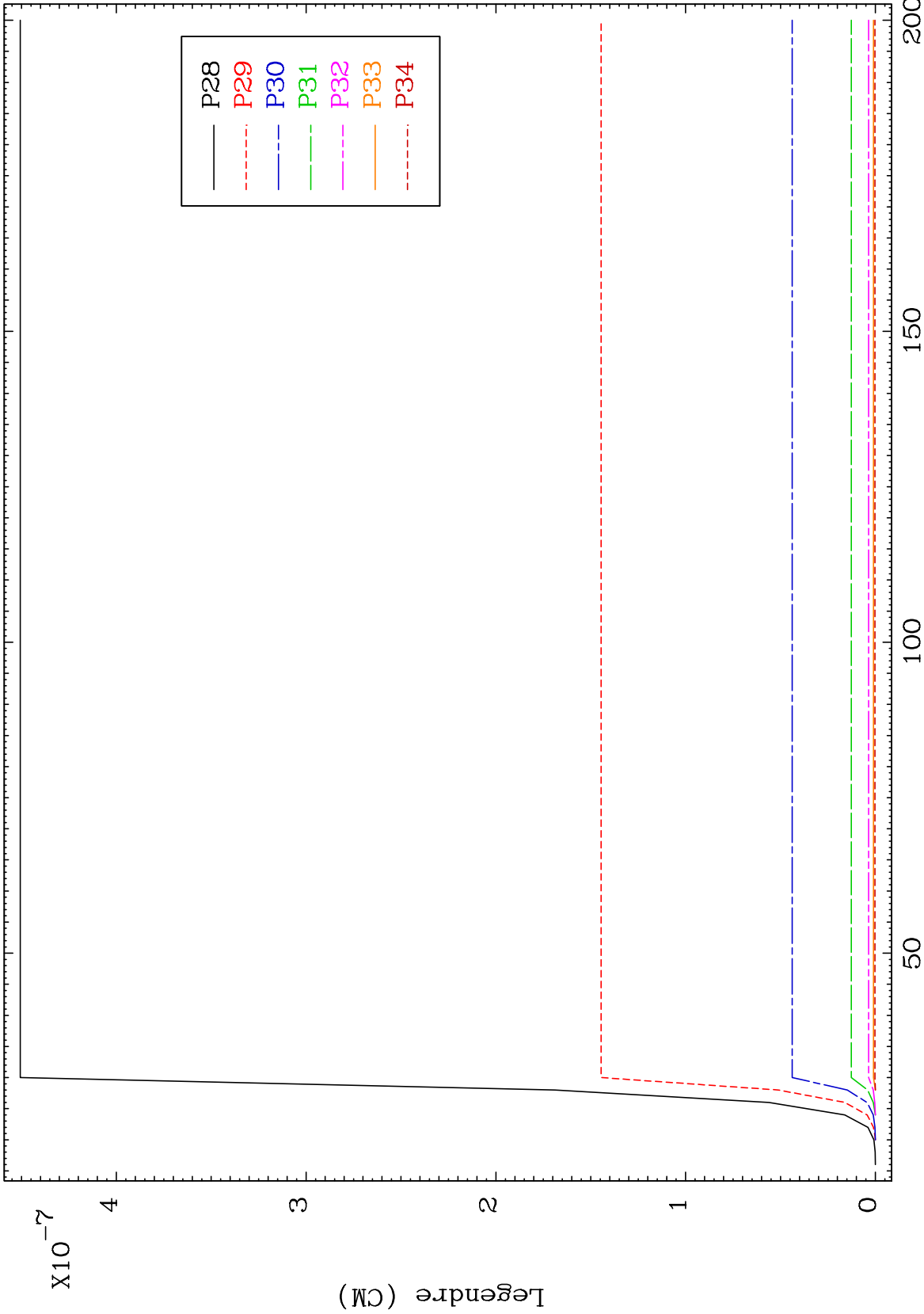
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



102

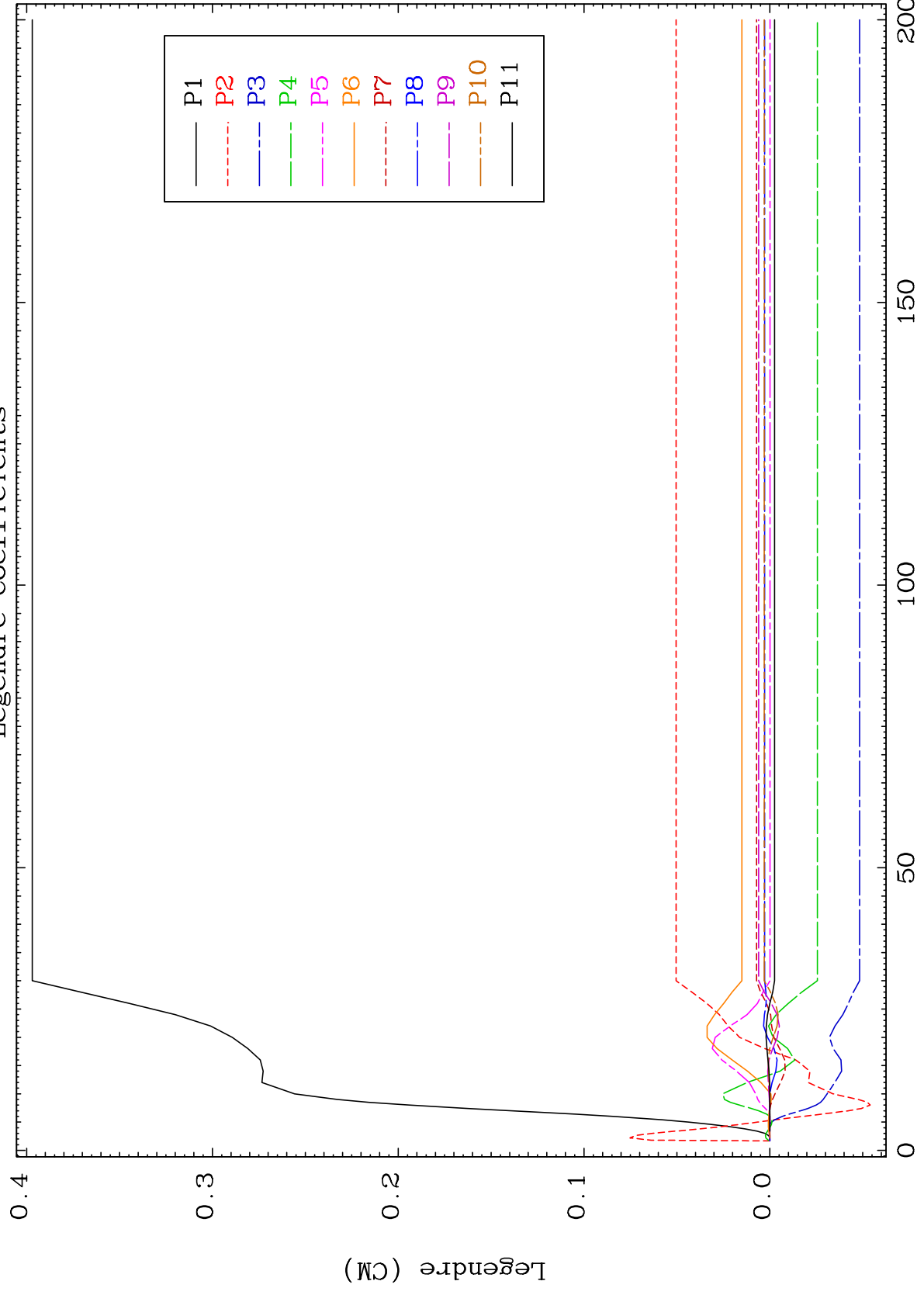
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



103

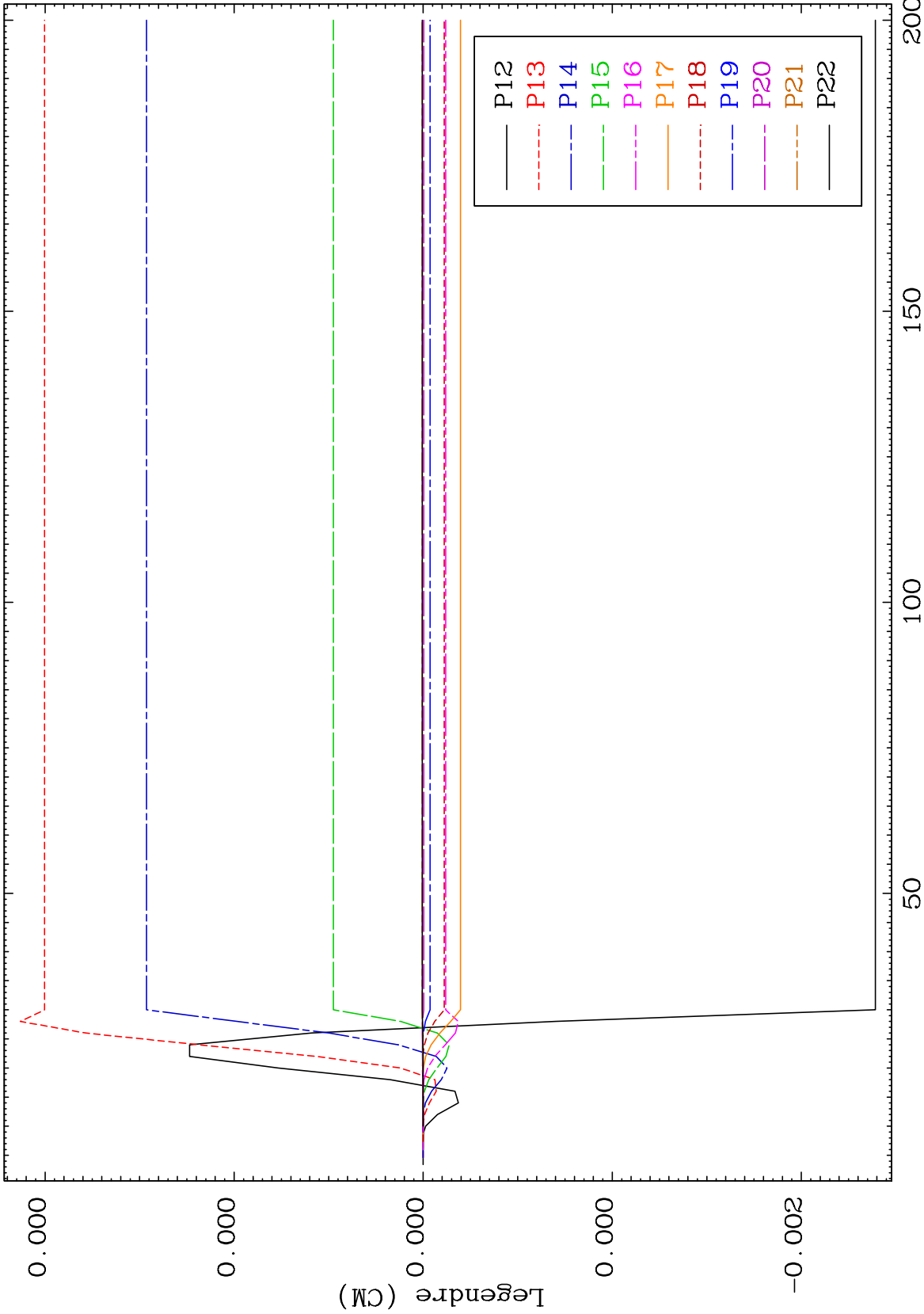
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



104

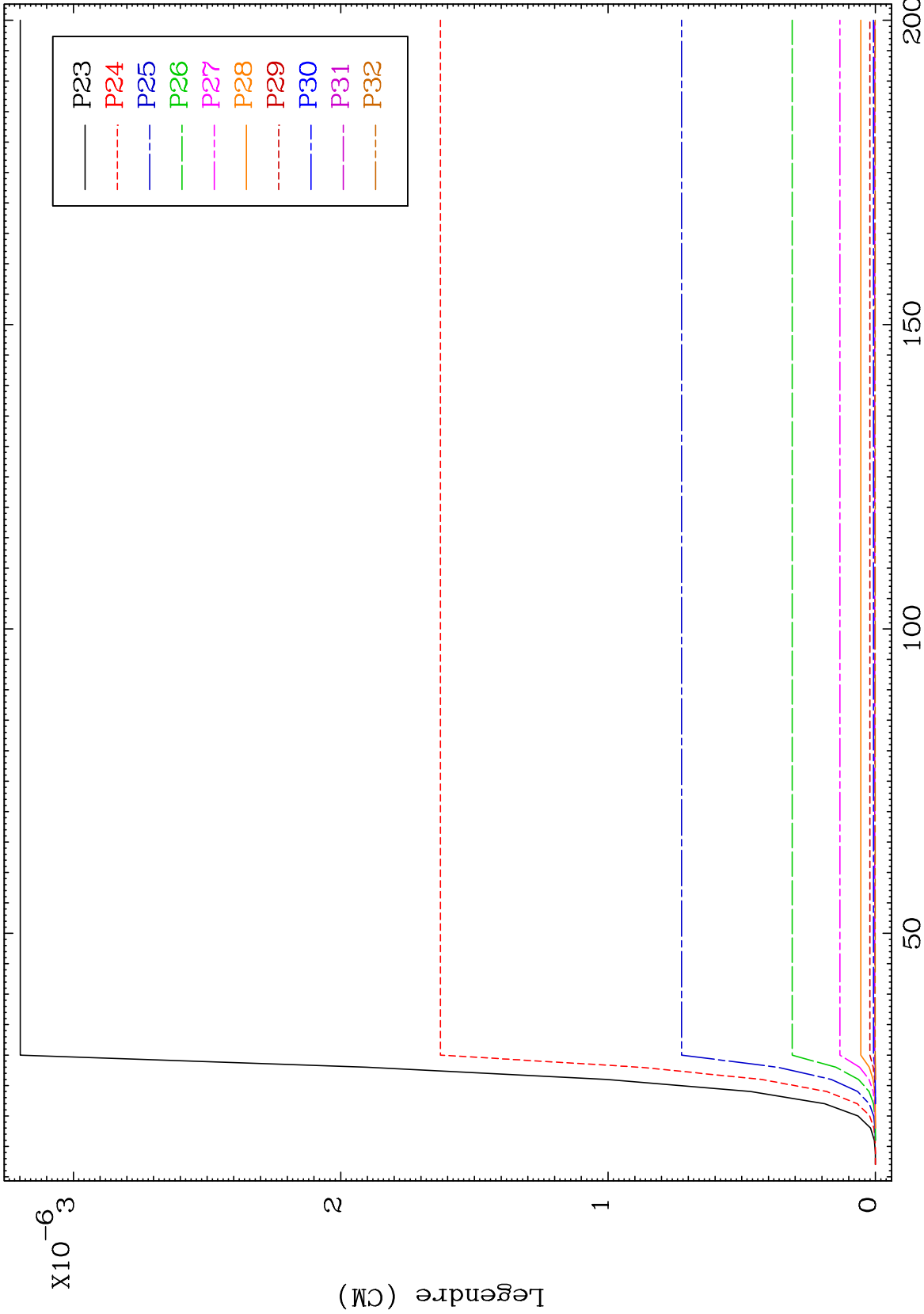
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



105

50

100

Incident Energy (MeV)

150

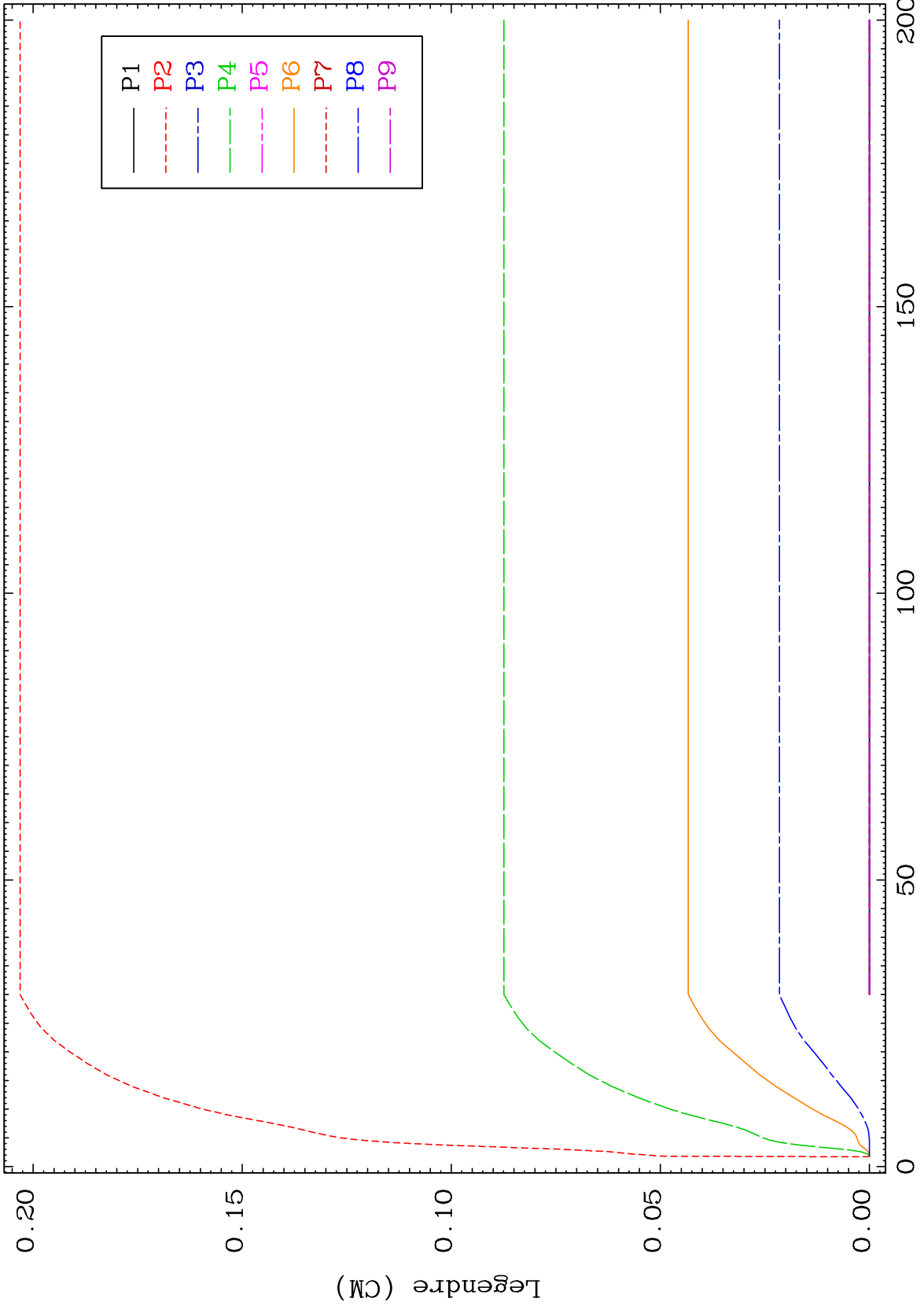
200

39-Y -85

MAT 3913

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

39-Y -85



106

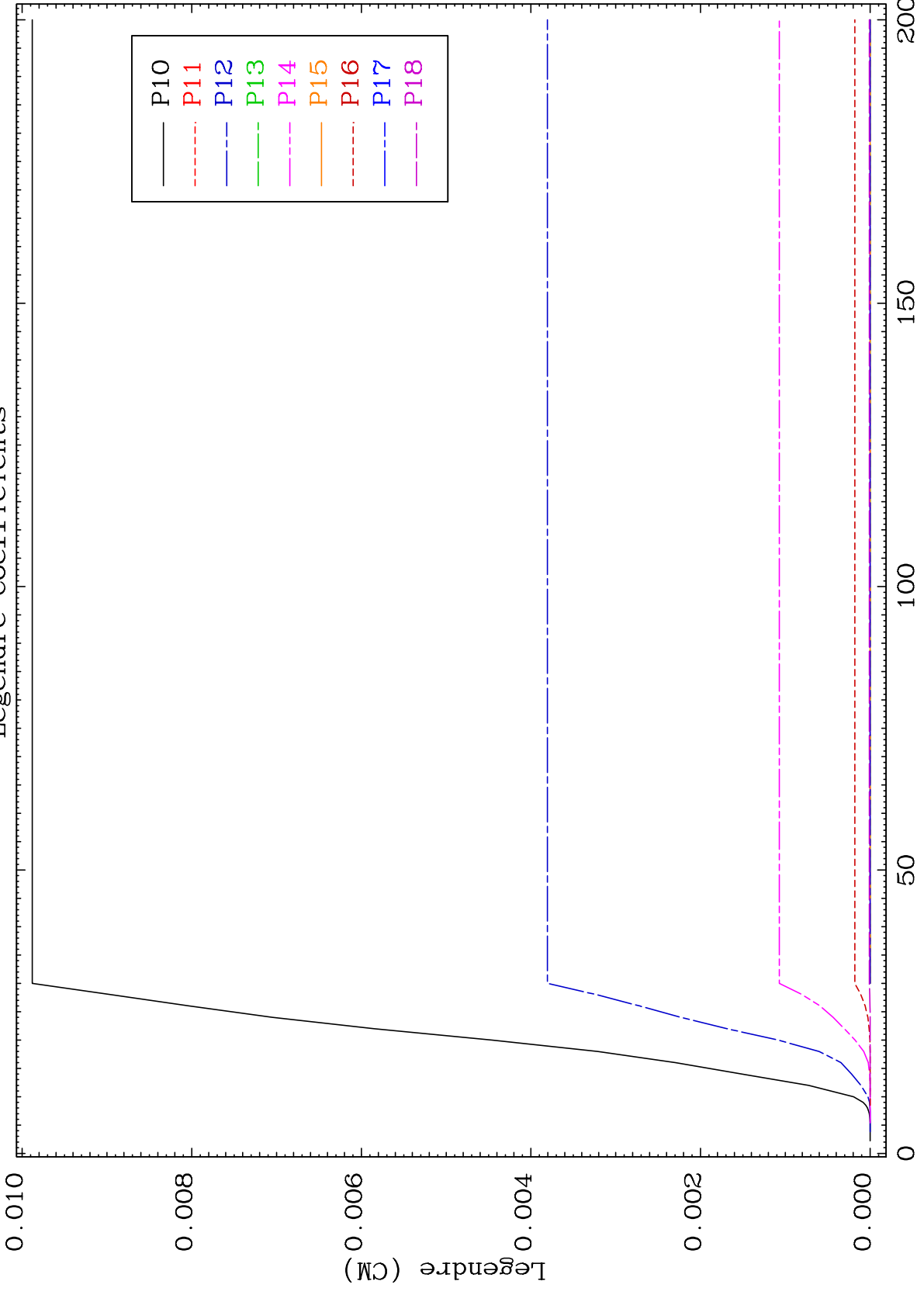
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85

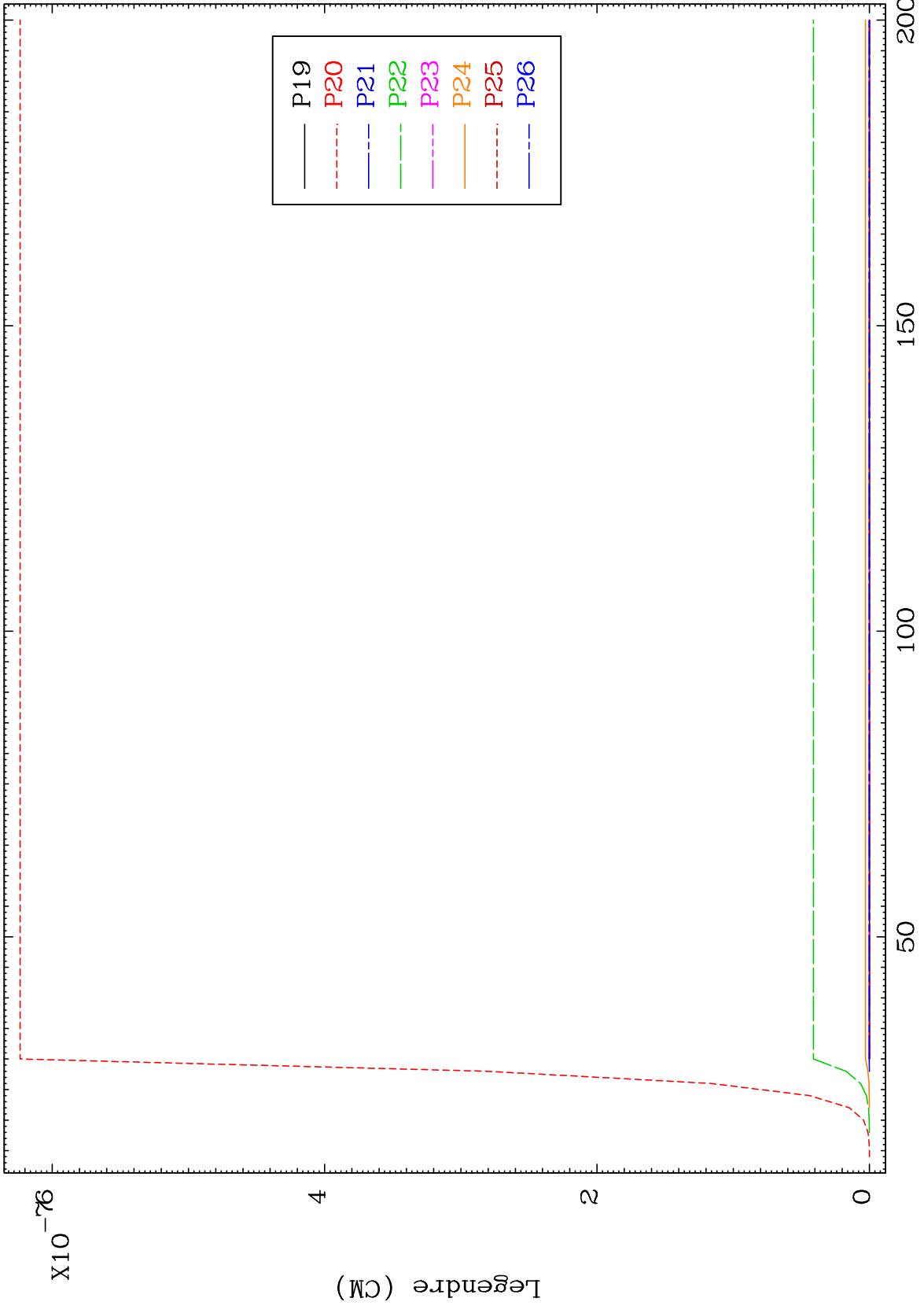


107

Incident Energy (MeV)

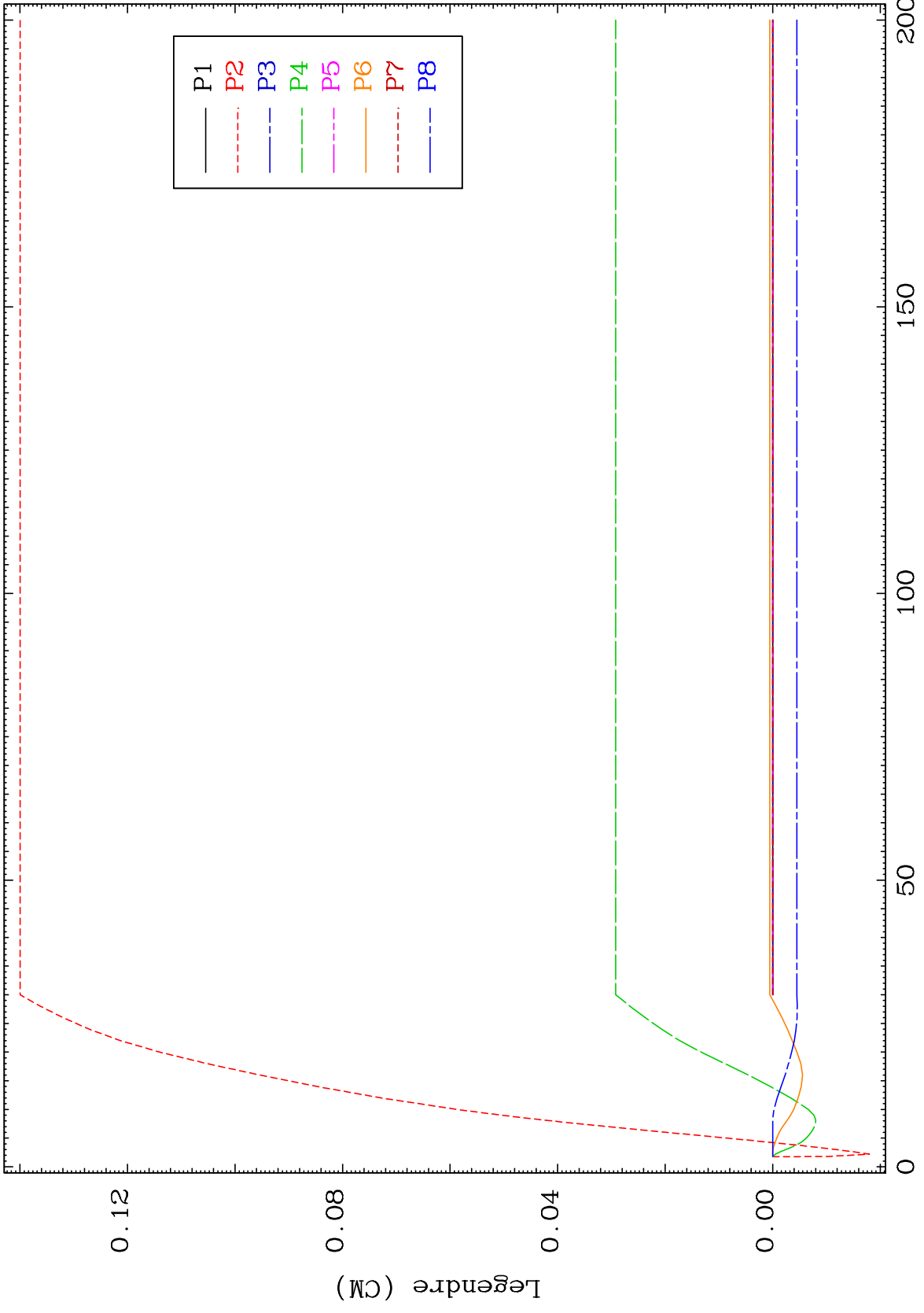
39-Y -85

MAT 3913 MT= 77 (n,n') Level Legendre Coefficients 39-Y -85



108 Incident Energy (MeV) 39-Y -85

MAT 3913 MT= 78 (n,n') Level Legendre Coefficients 39-Y -85

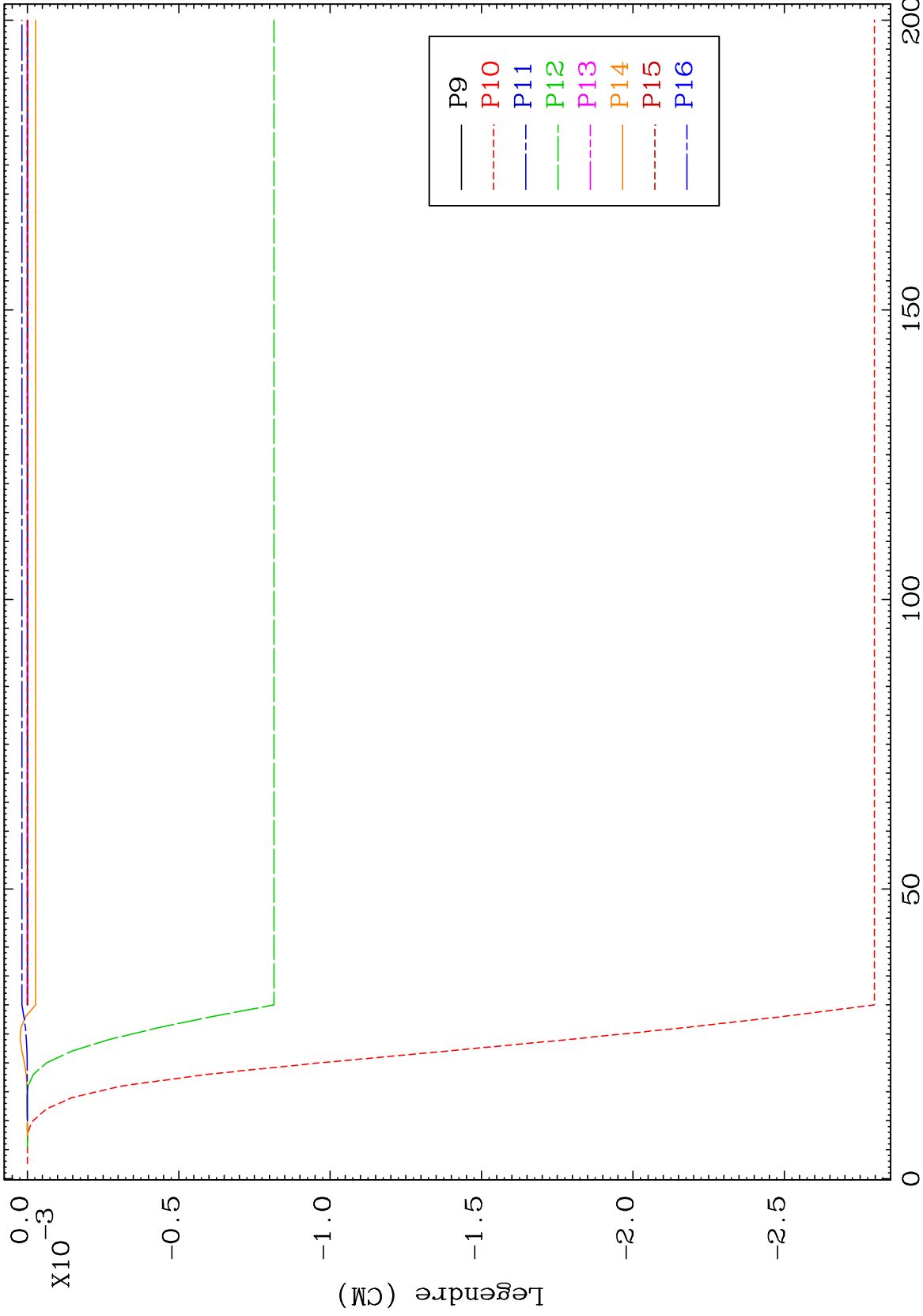


109 39-Y -85

MAT 3913

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

39-Y -85

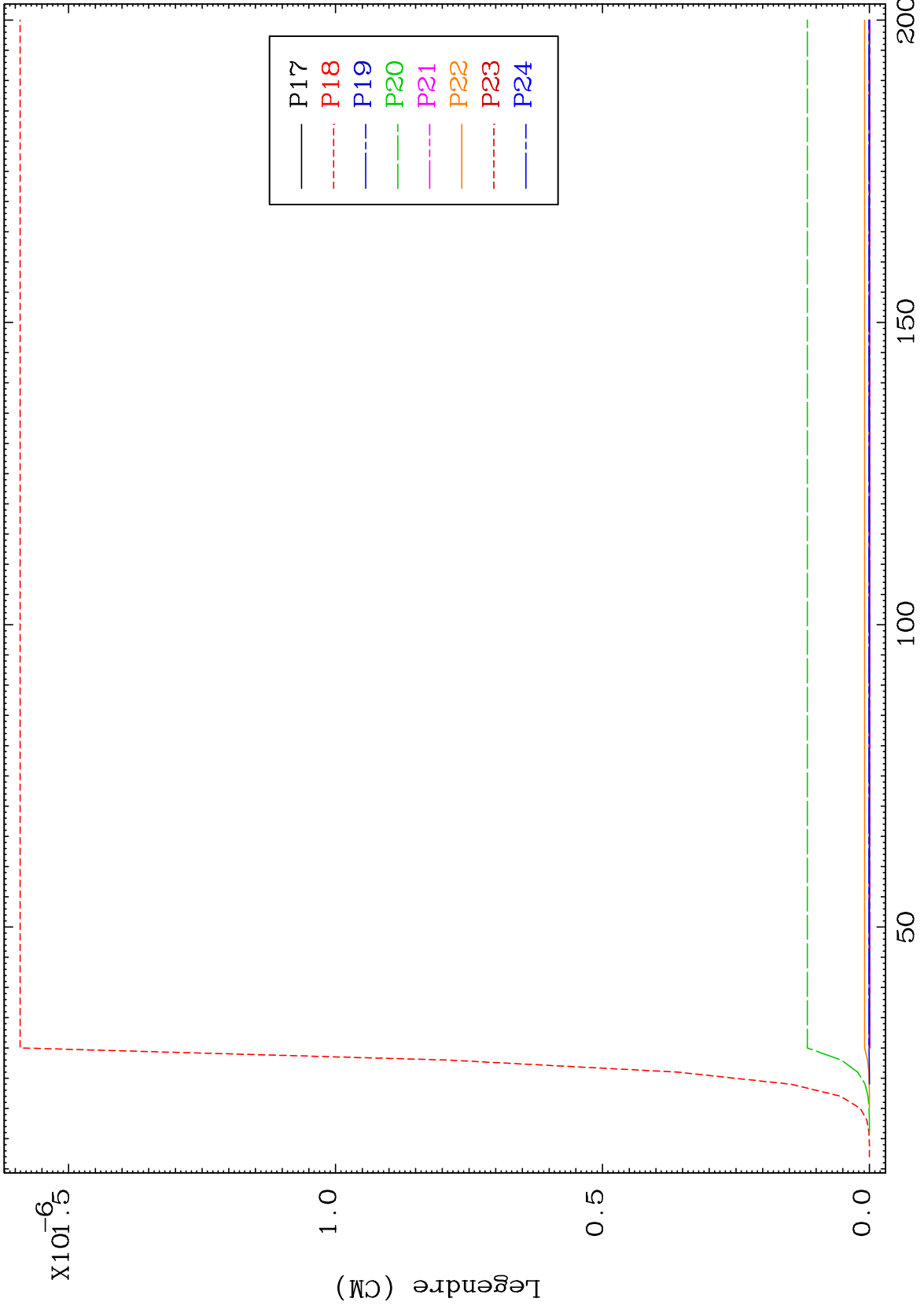


110

Incident Energy (MeV)

39-Y -85

MAT 3913 MT= 78 (n,n') Level Legendre Coefficients 39-Y -85

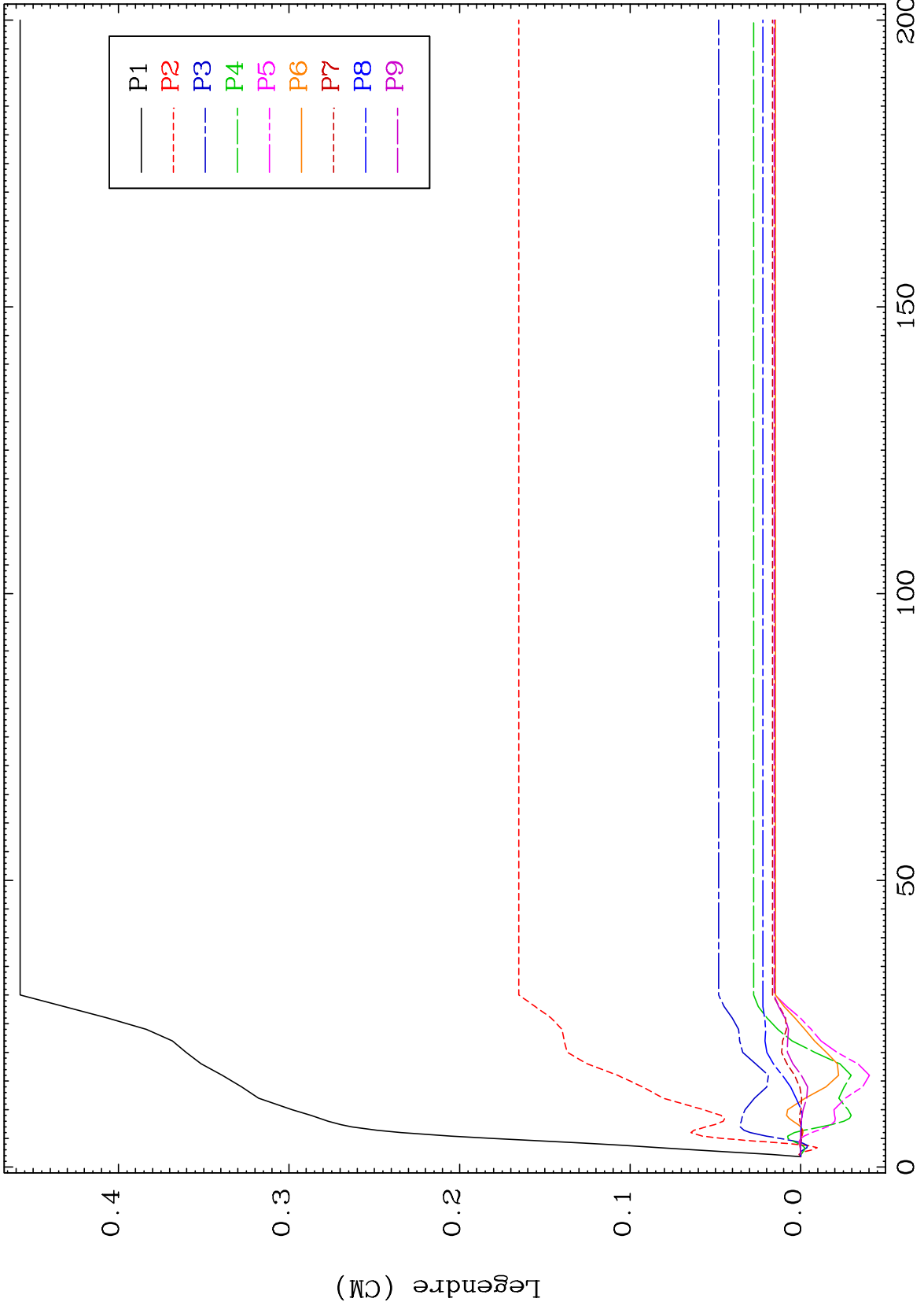


111 39-Y -85

MAT 3913

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

39-Y -85



112

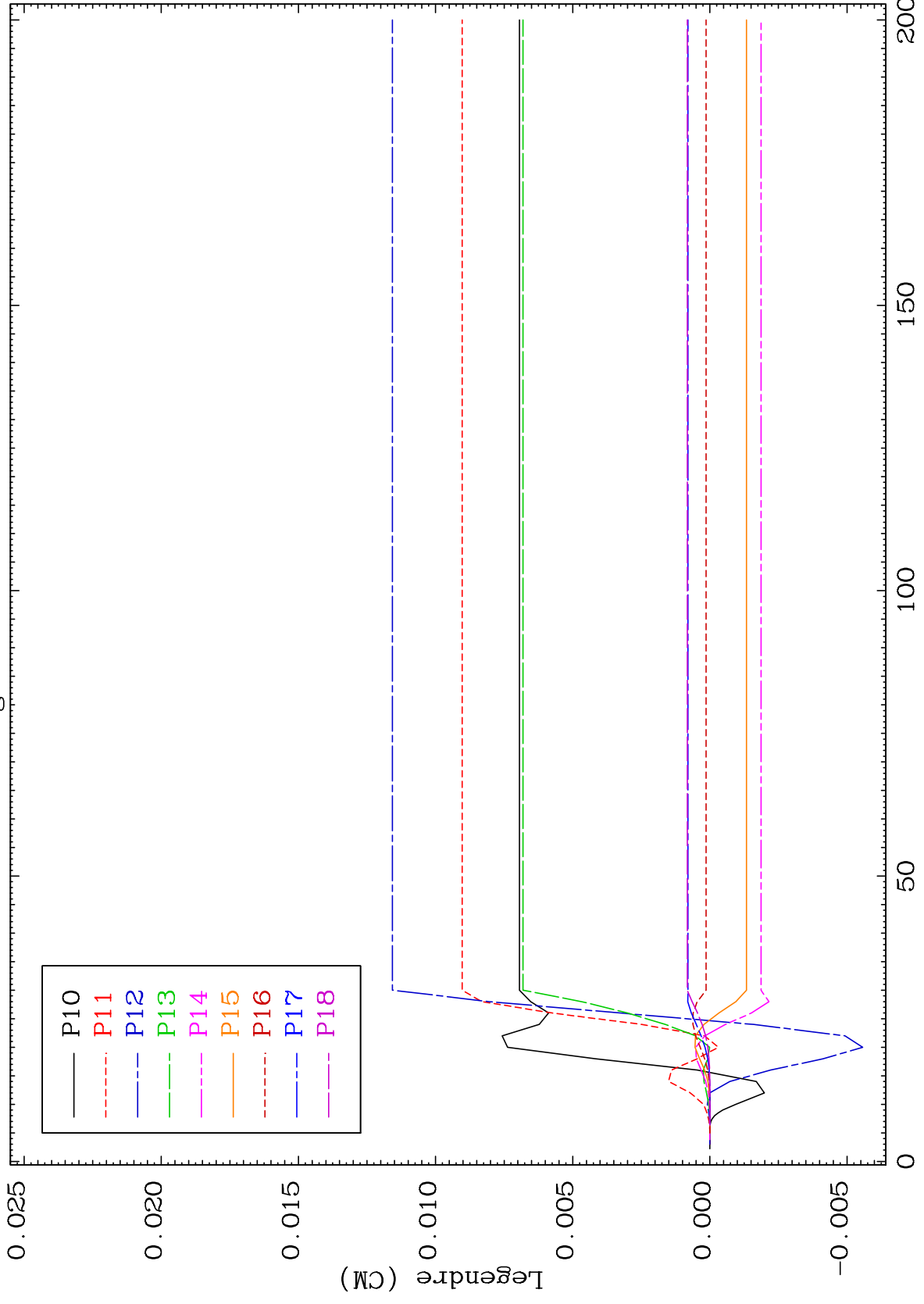
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



113

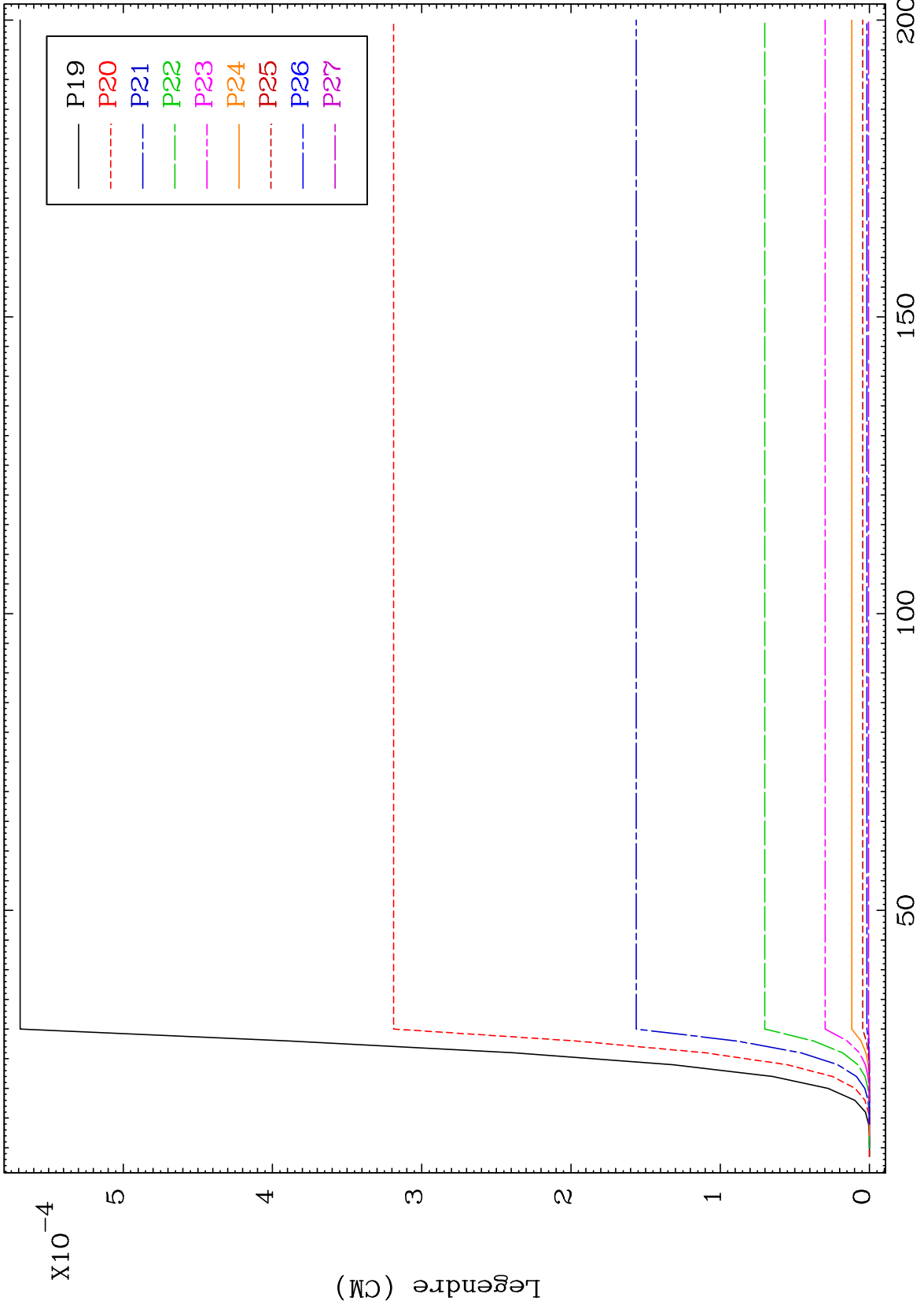
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



114

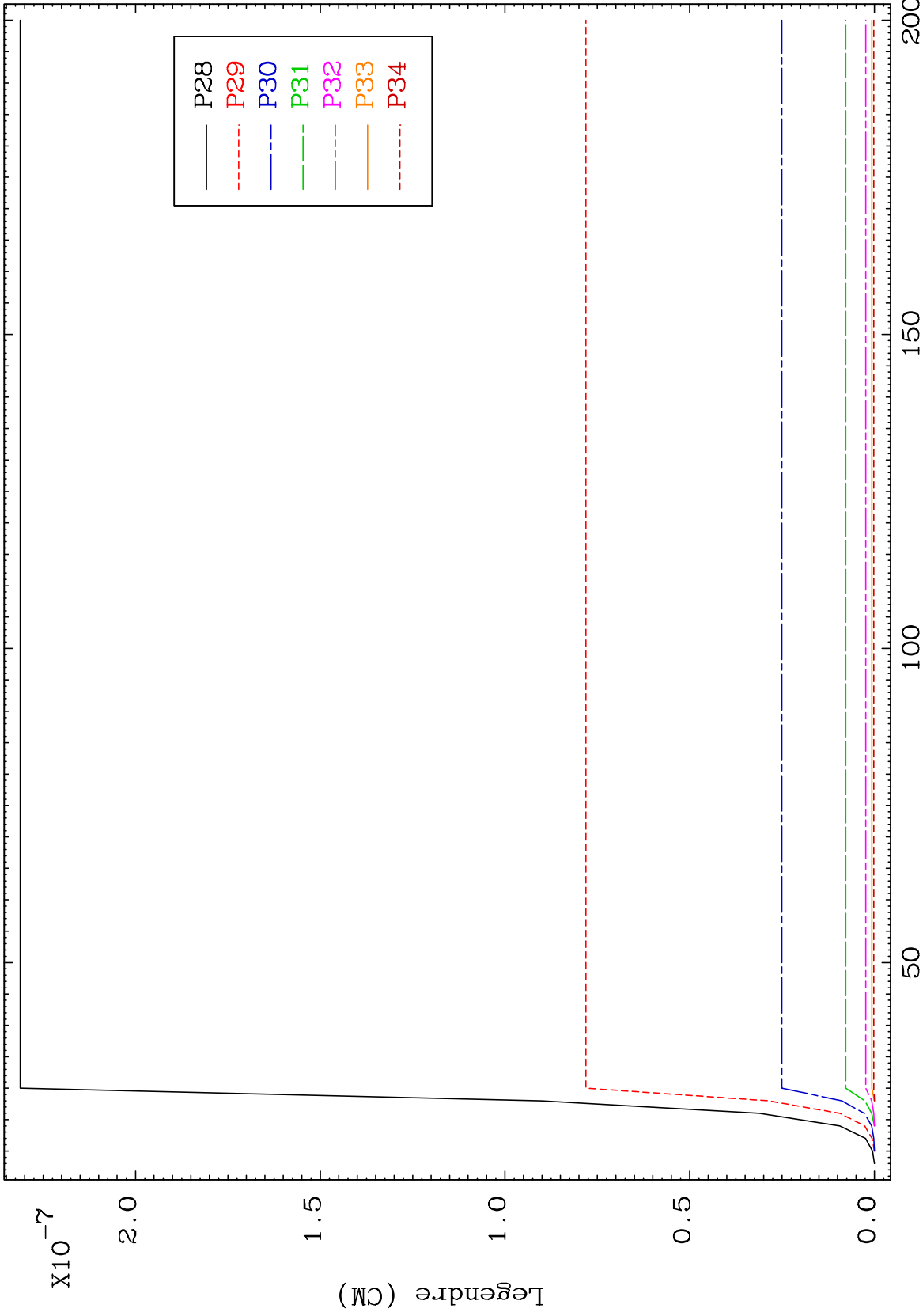
Incident Energy (MeV)

39-Y -85

MAT 3913

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

39-Y -85



115

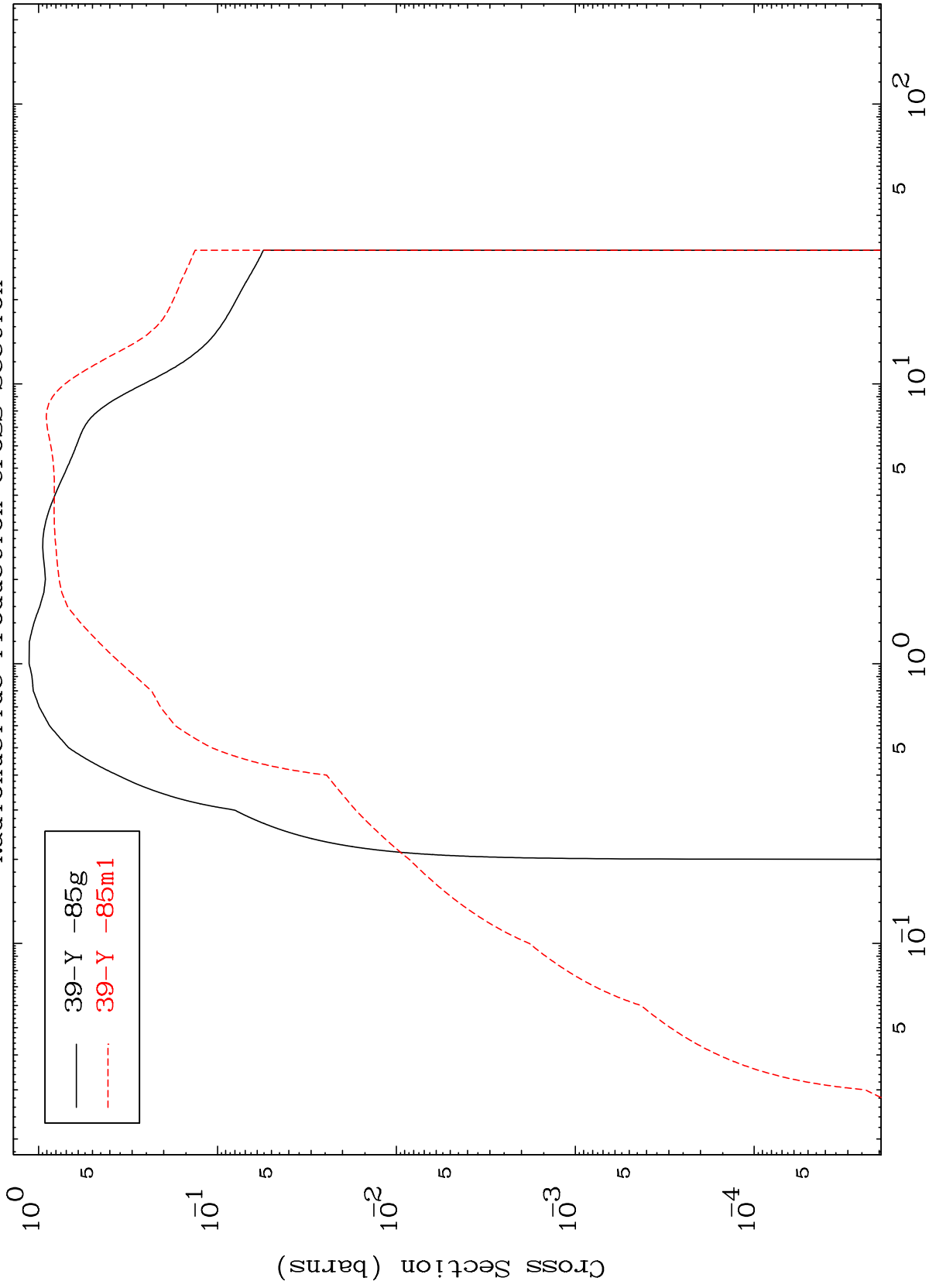
Incident Energy (MeV)

39-Y -85

MAT 3913

39-Y -85

Inelastic
Radionuclide Production Cross Section



116

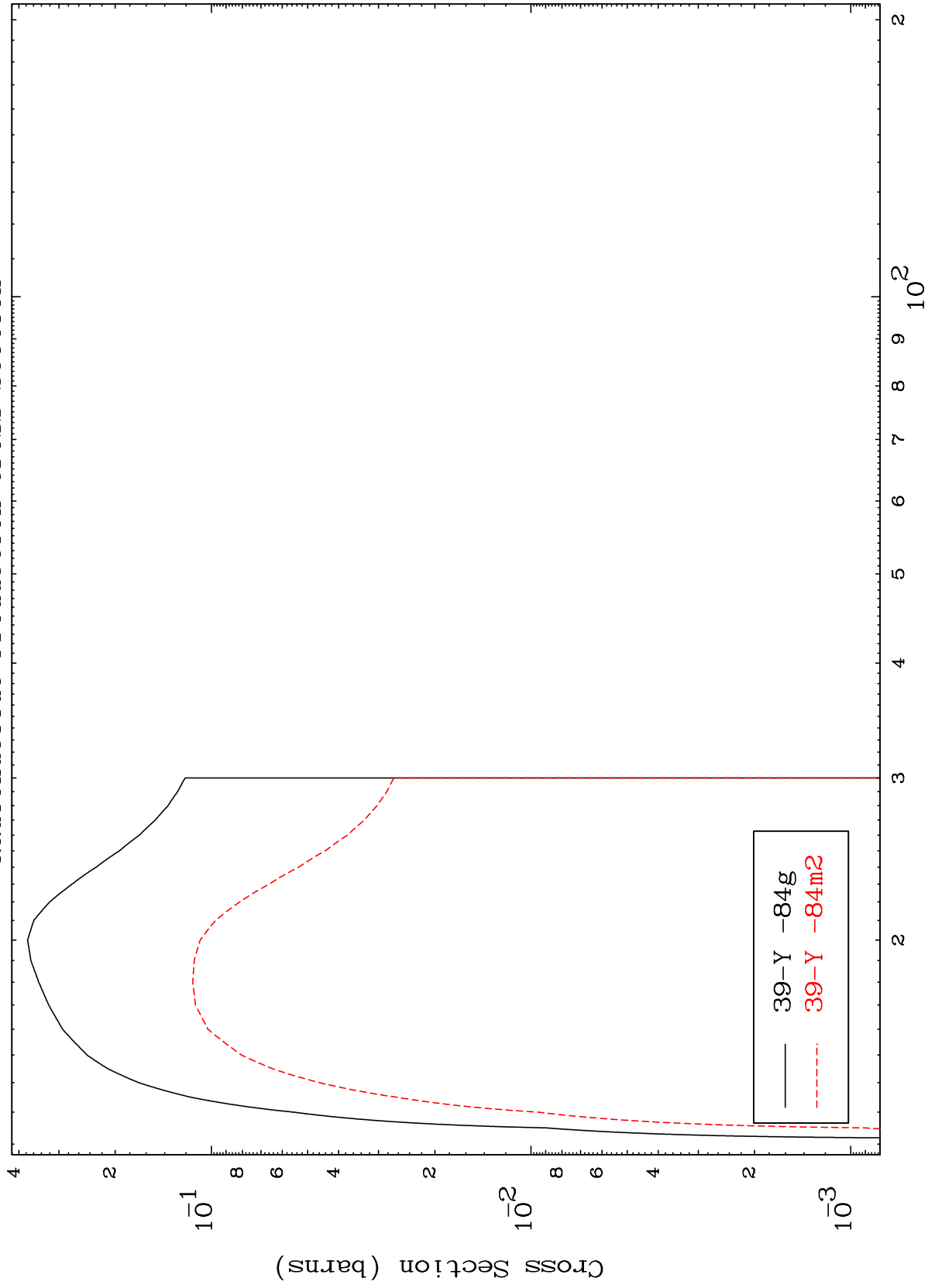
Incident Energy (MeV)

39-Y -85

MAT 3913

39-Y -85

Radionuclide Production Cross Section
(n,2n)



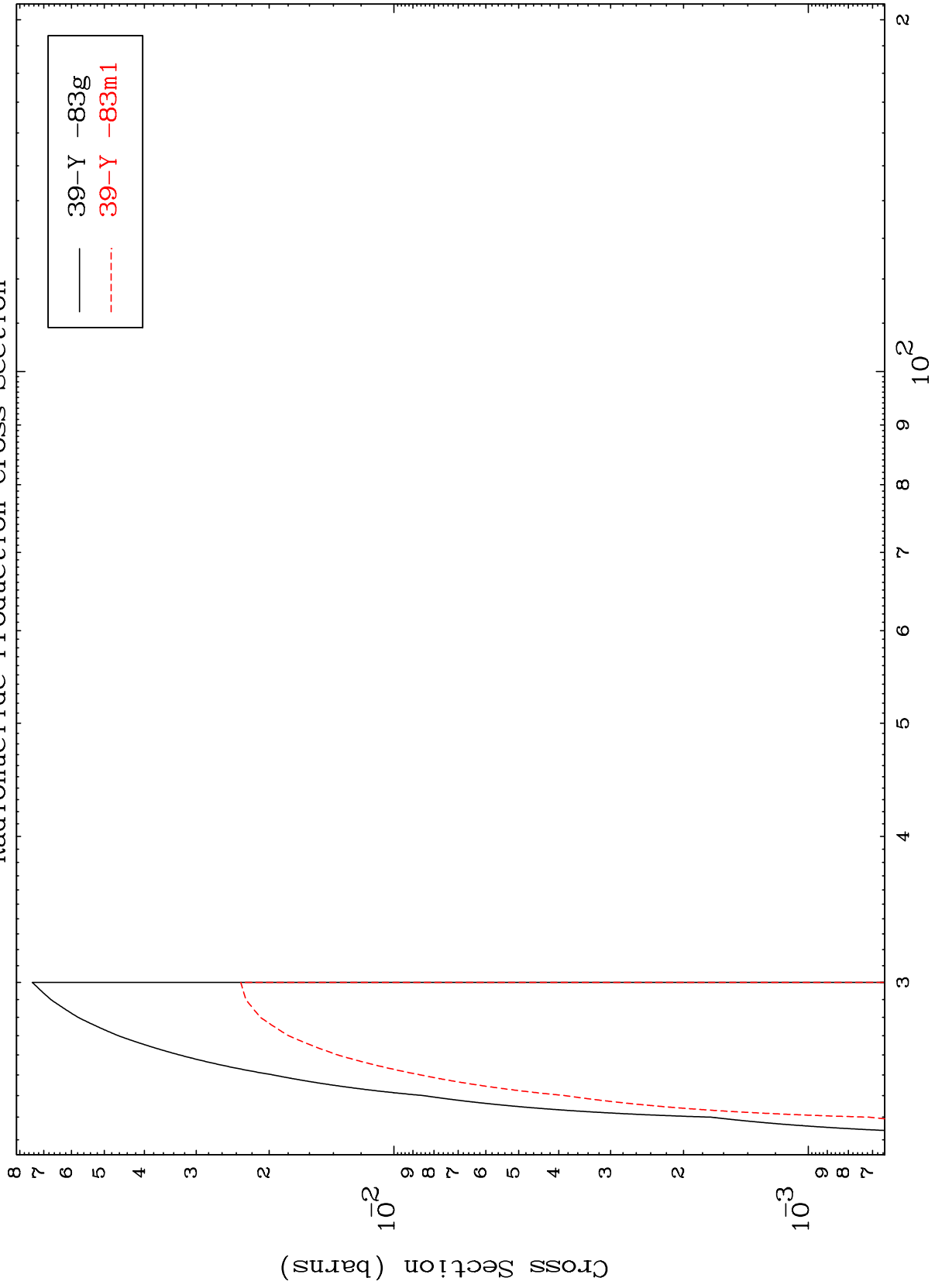
117

39-Y -85

MAT 3913

39-Y -85

(n,3n)
Radionuclide Production Cross Section



39-Y -83g
39-Y -83m1

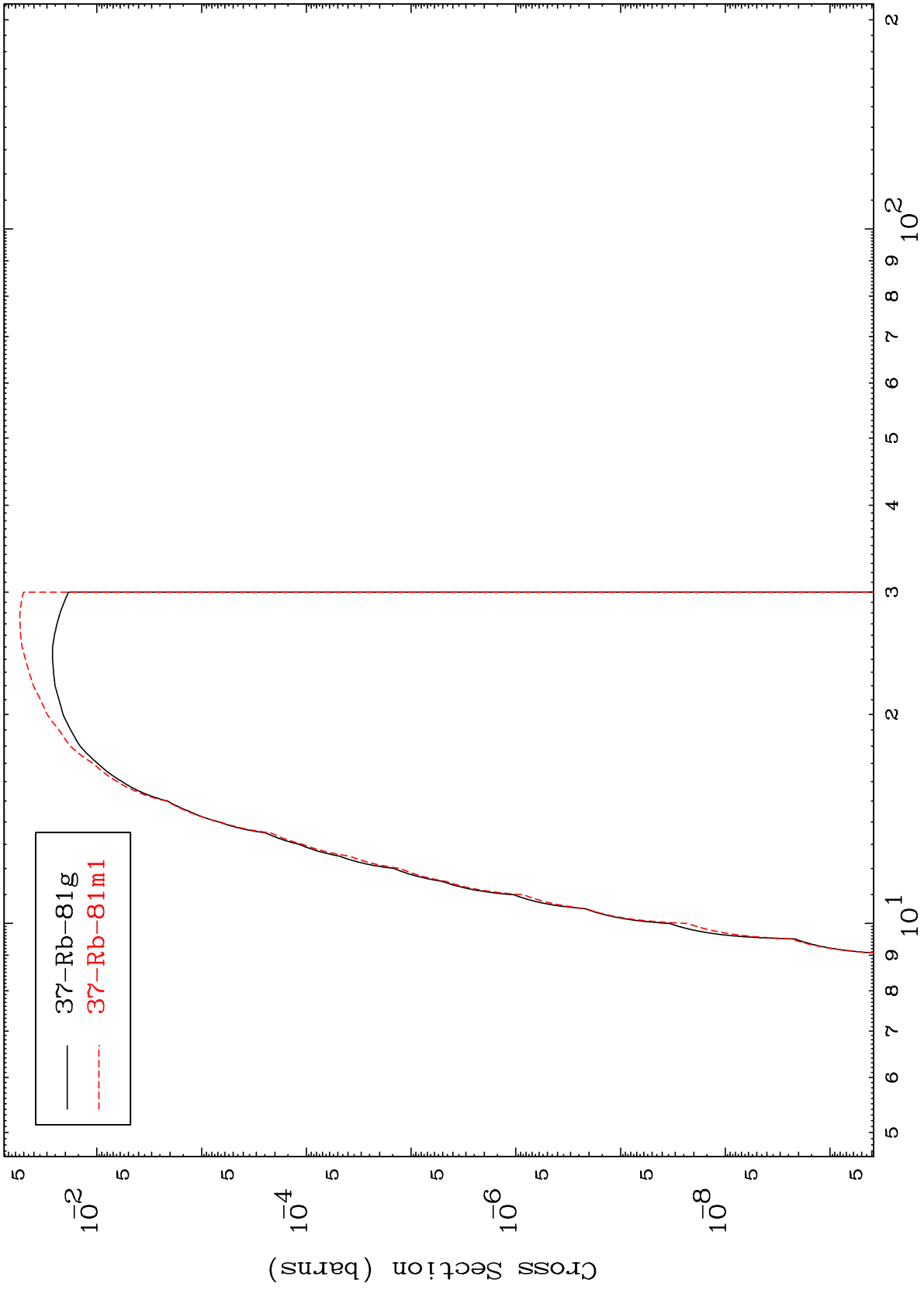
118

39-Y -85

MAT 3913

39-Y -85

(n,n') α
Radionuclide Production Cross Section



119

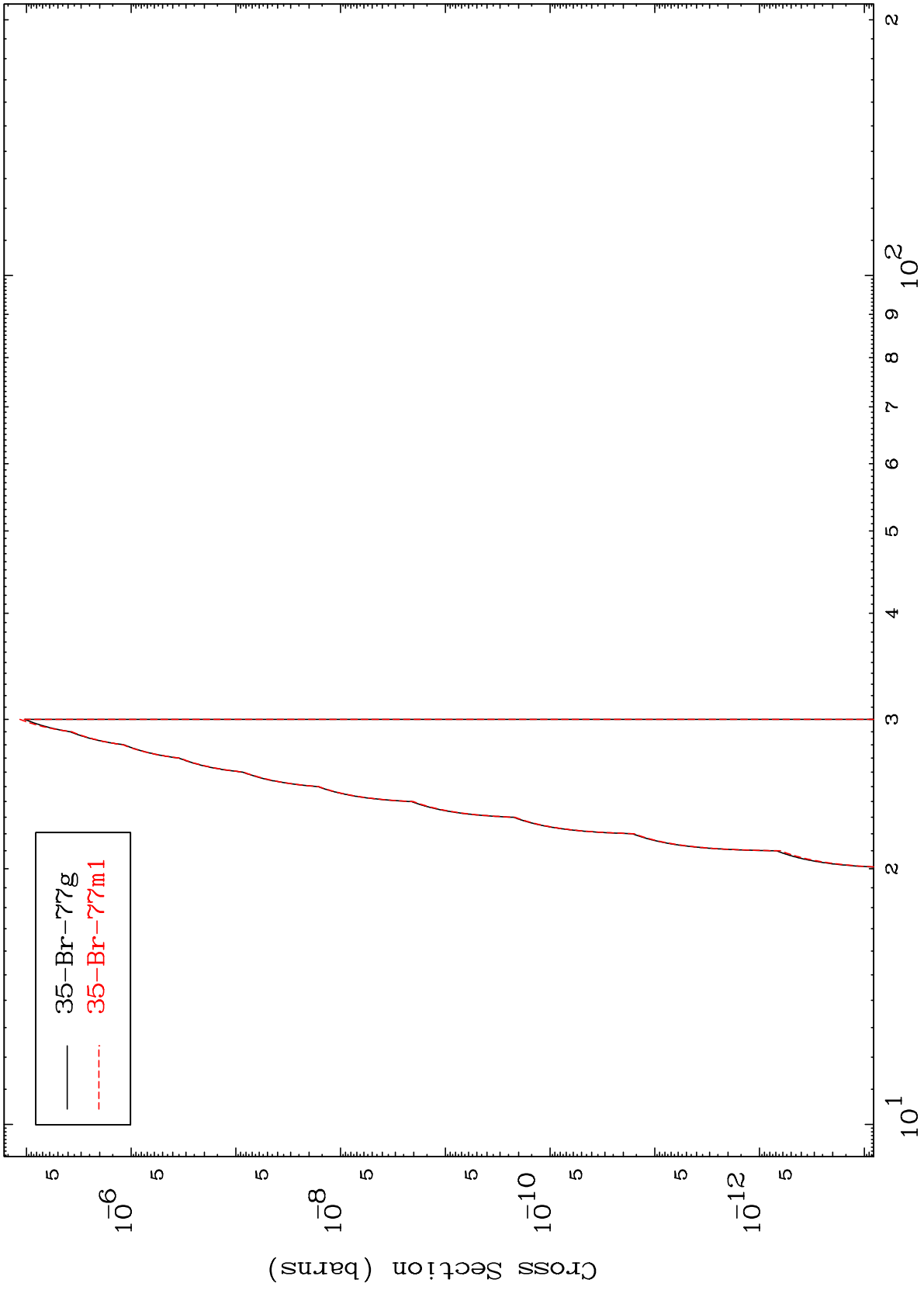
39-Y -85

MAT 3913

(n,n') 2α

39-Y -85

Radionuclide Production Cross Section



120

Incident Energy (MeV)

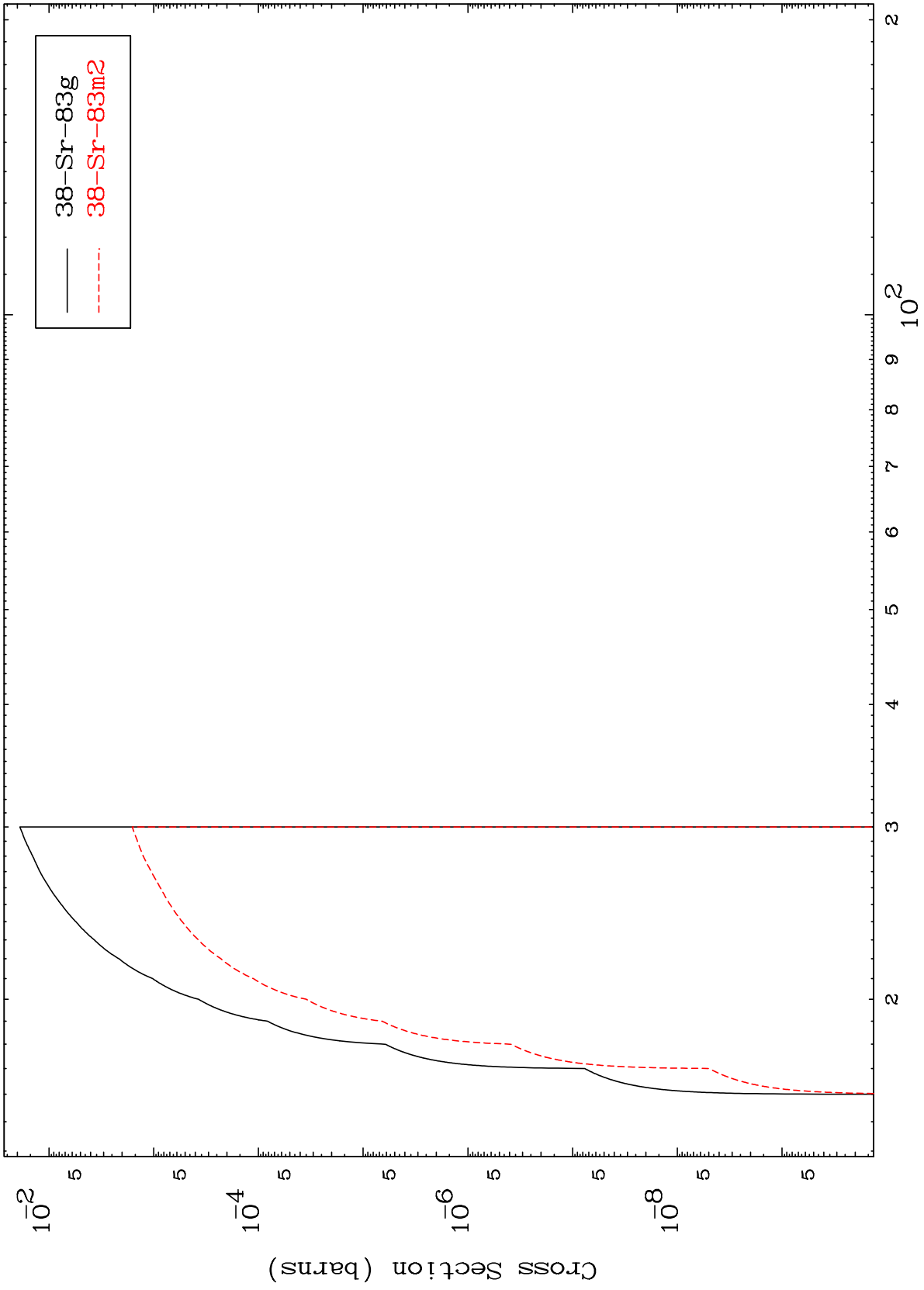
39-Y -85

MAT 3913

(n,n') d

39-Y -85

Radionuclide Production Cross Section



121

Incident Energy (MeV)

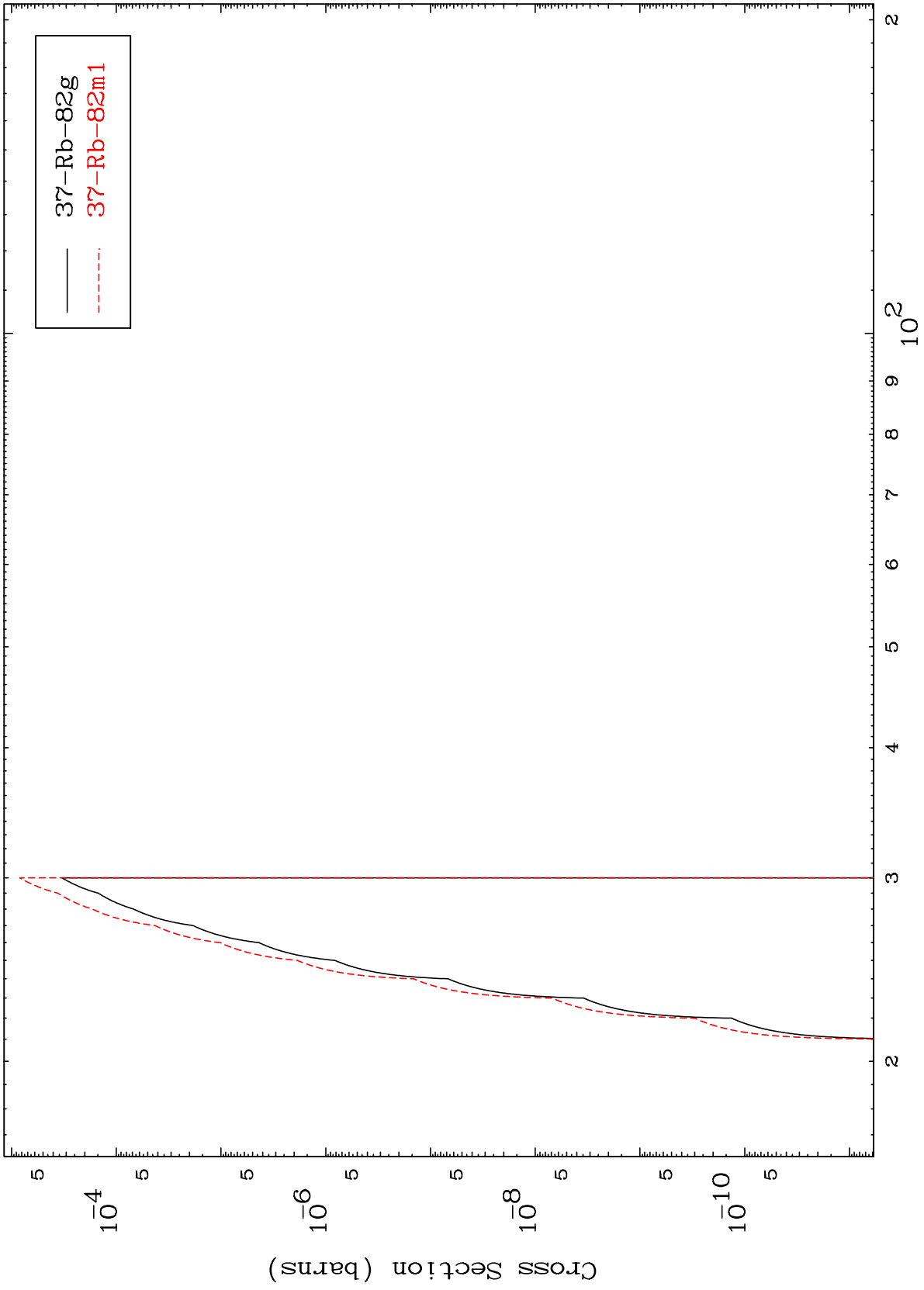
39-Y -85

MAT 3913

(n, n') He-3

39-Y -85

Radionuclide Production Cross Section

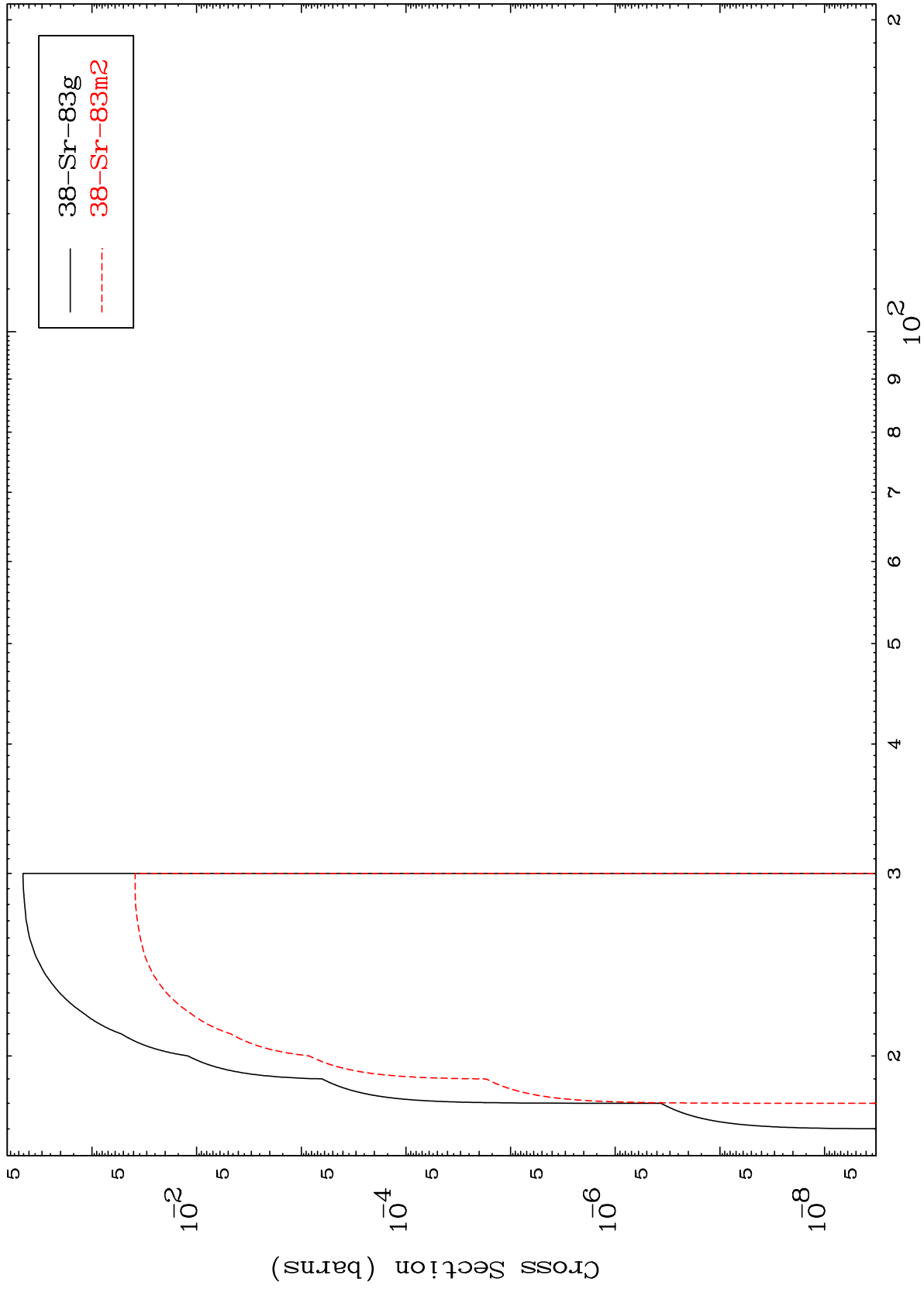


122

Incident Energy (MeV)

39-Y -85

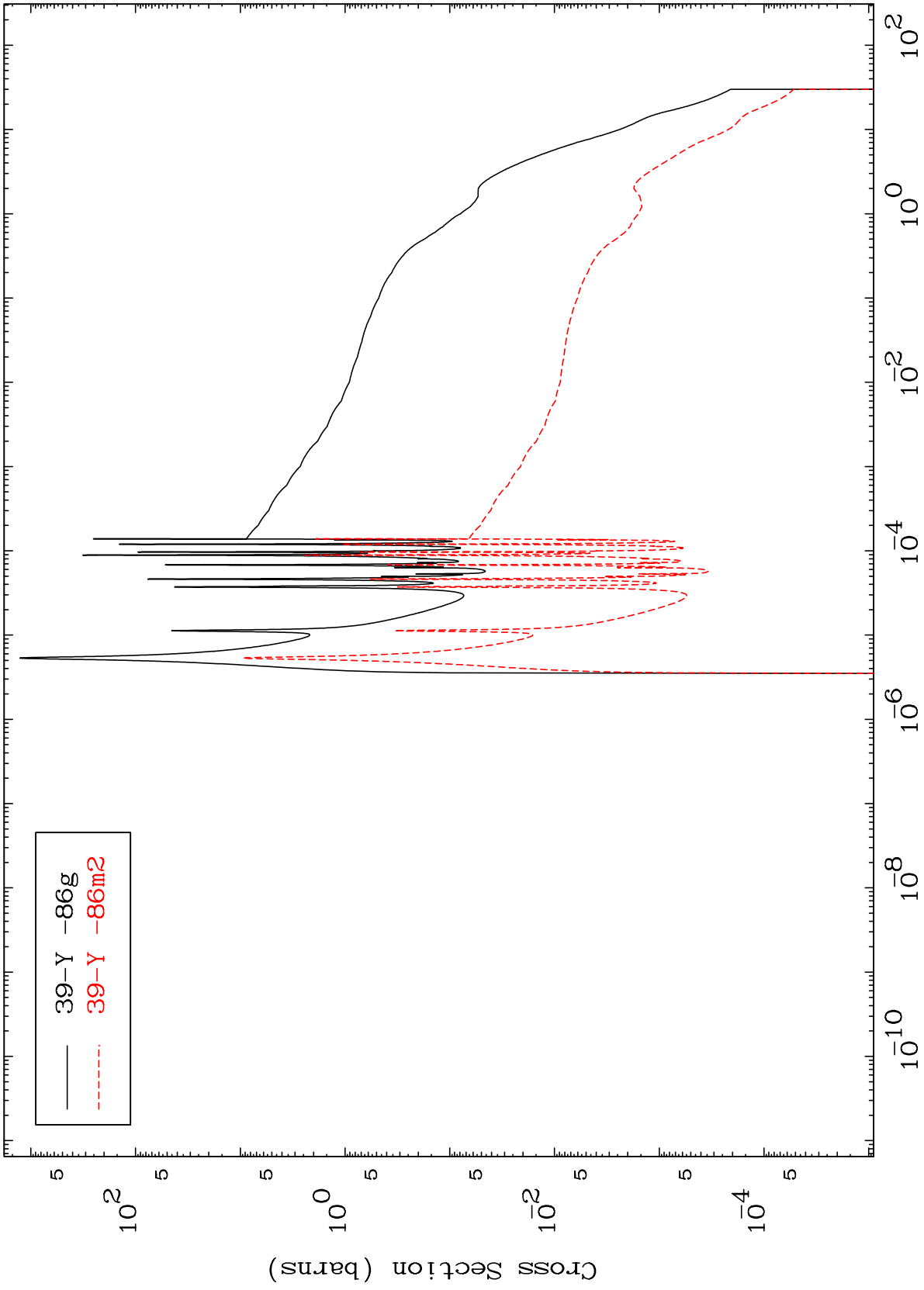
(n,2n) p
Radionuclide Production Cross Section



MAT 3913

39-Y -85

Radionuclide Production Cross Section (n,γ)



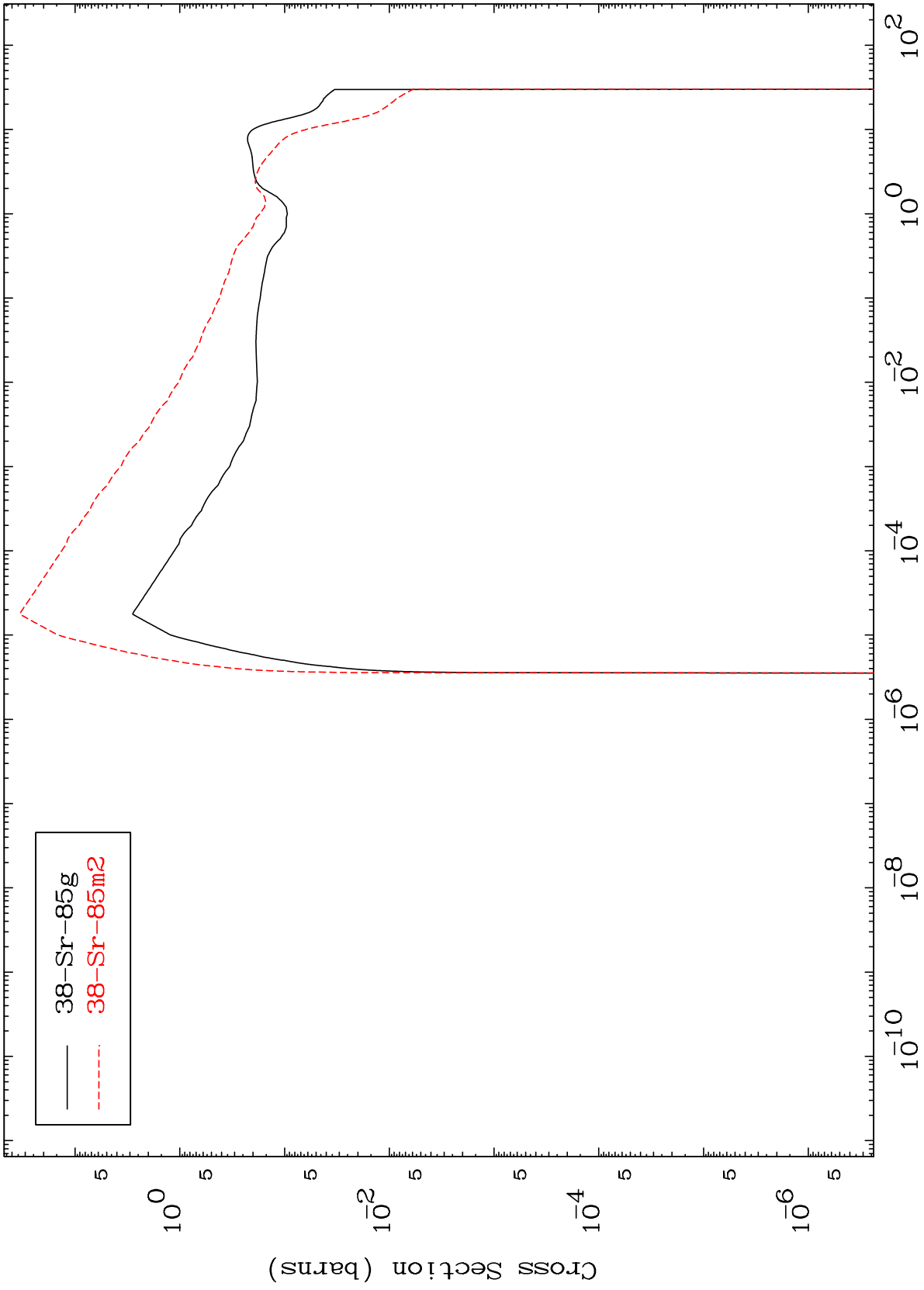
124

39-Y -85

MAT 3913

39-Y -85

Radionuclide Production Cross Section (n,p)



— 38-Sr-85g
- - - 38-Sr-85m2

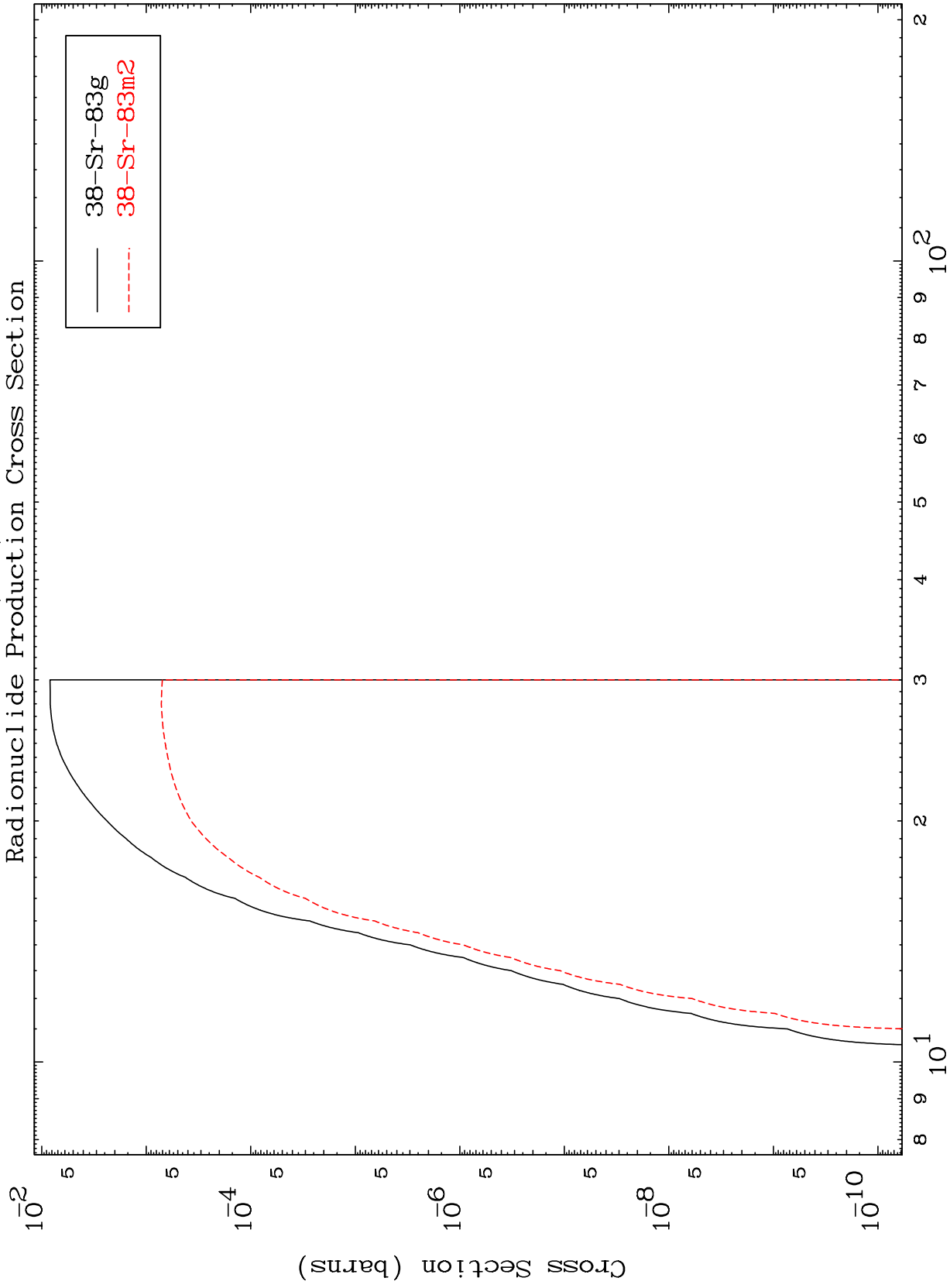
125

39-Y -85

MAT 3913

39-Y -85

(n, t)
Radionuclide Production Cross Section



— 38-Sr-83g
- - - 38-Sr-83m2

126

Incident Energy (MeV)

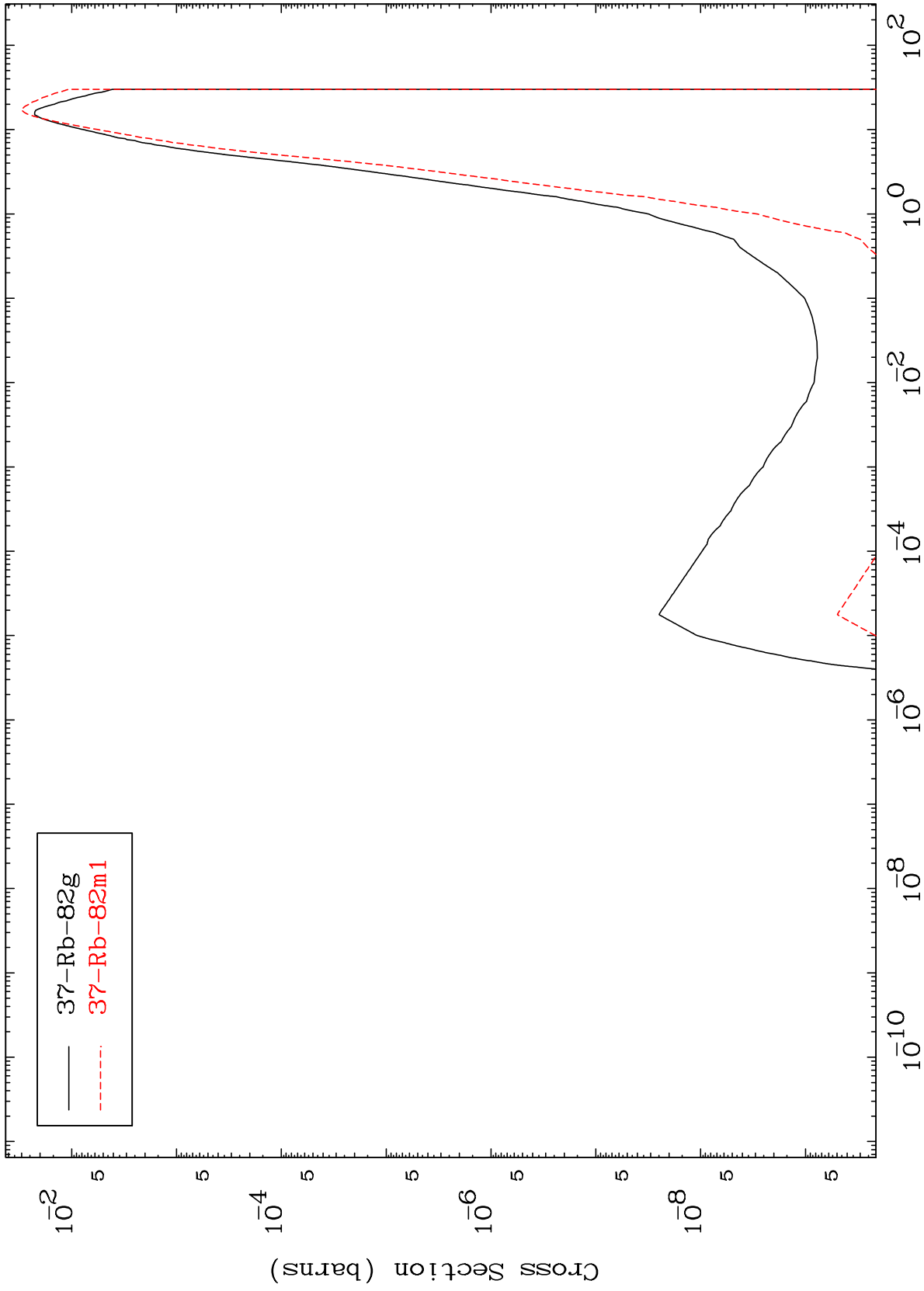
39-Y -85

MAT 3913

(n, α)

39-Y -85

Radionuclide Production Cross Section

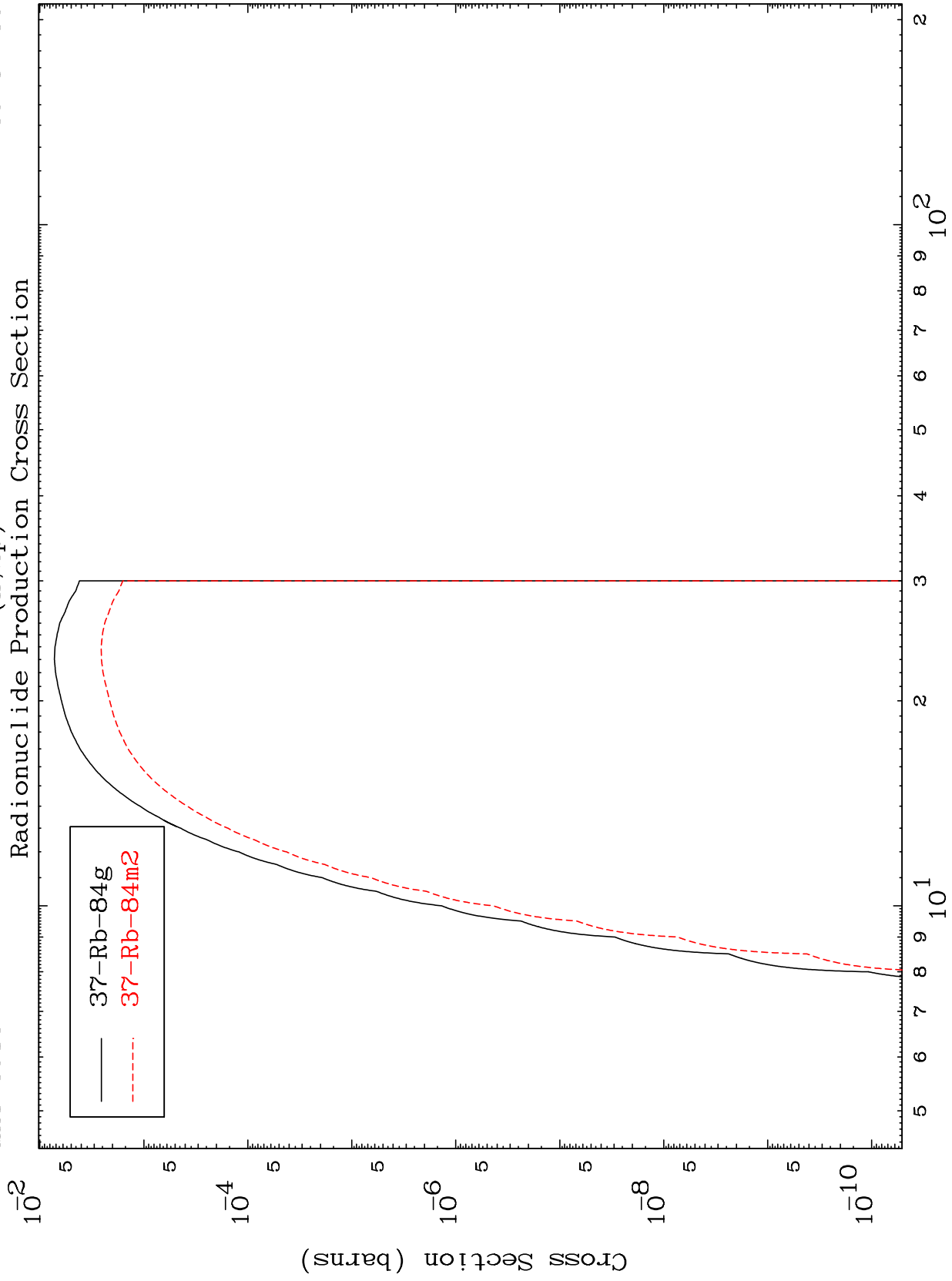


127

39-Y -85

MAT 3913

39-Y -85



128

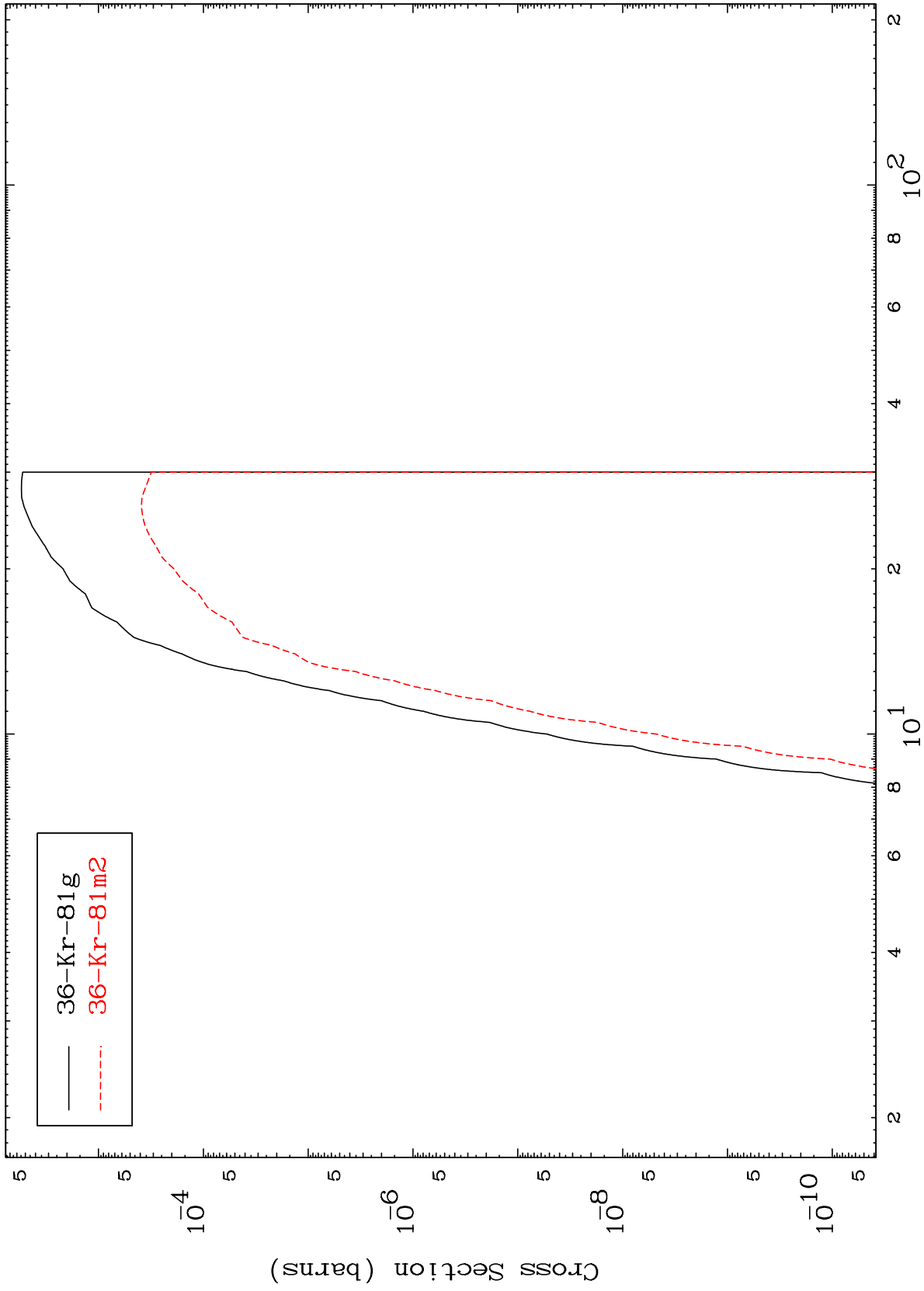
39-Y -85

MAT 3913

(n,p) α

39-Y -85

Radionuclide Production Cross Section



129

Incident Energy (MeV)

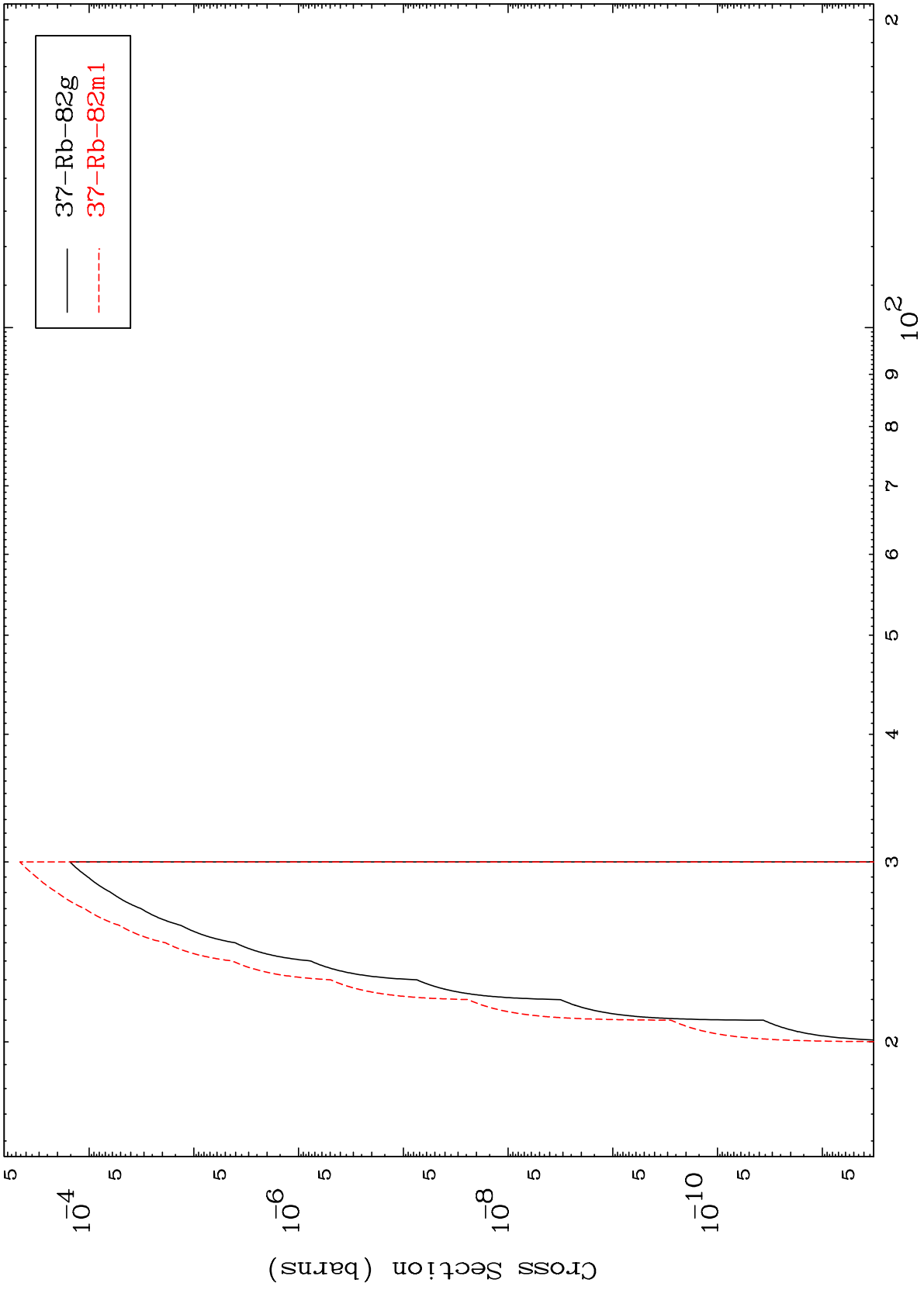
39-Y -85

MAT 3913

(n,p) t

39-Y -85

Radionuclide Production Cross Section



130

Incident Energy (MeV)

39-Y -85