

Program EVALPLOT  
(Version 2018-1)

by

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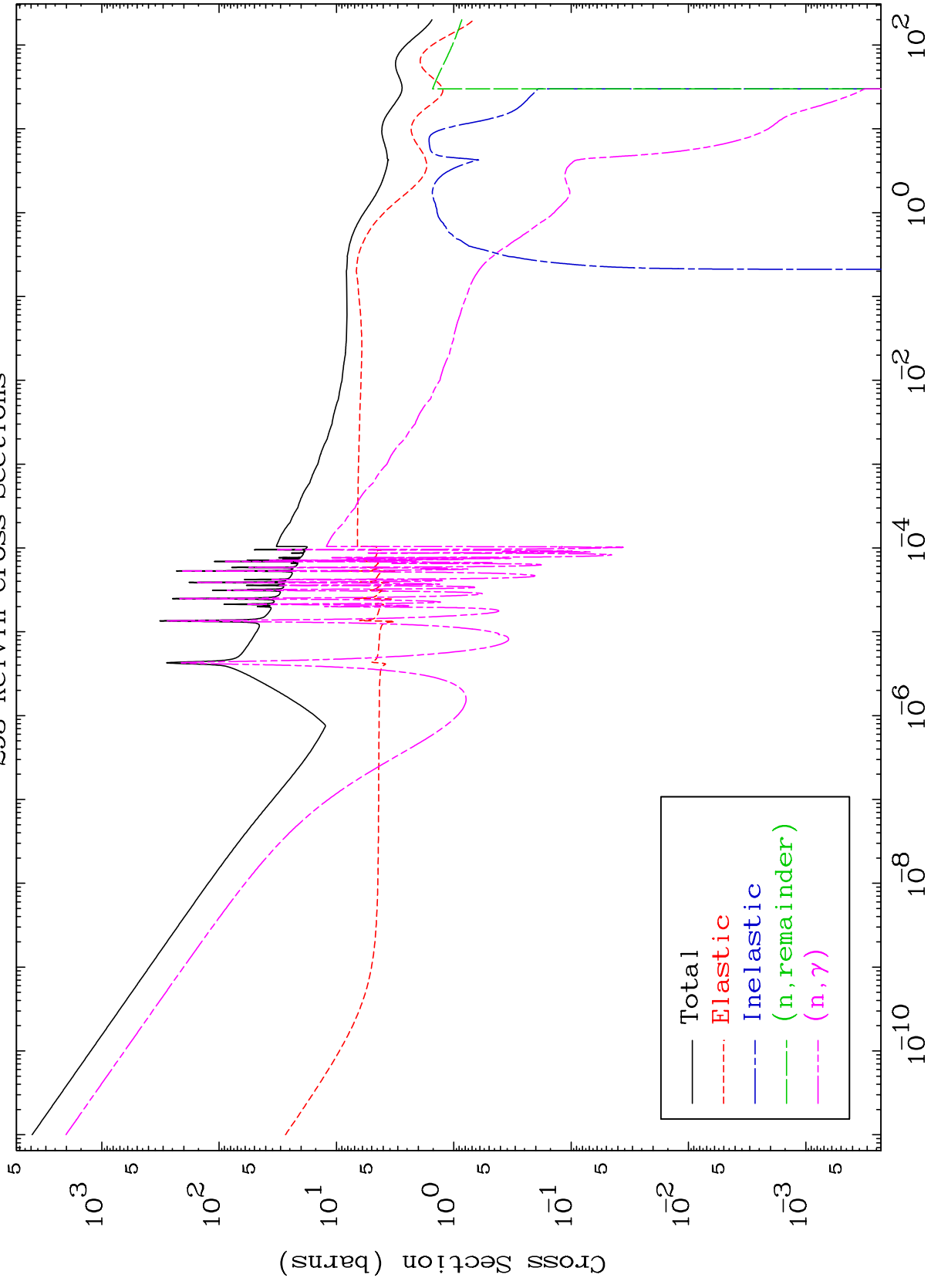
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

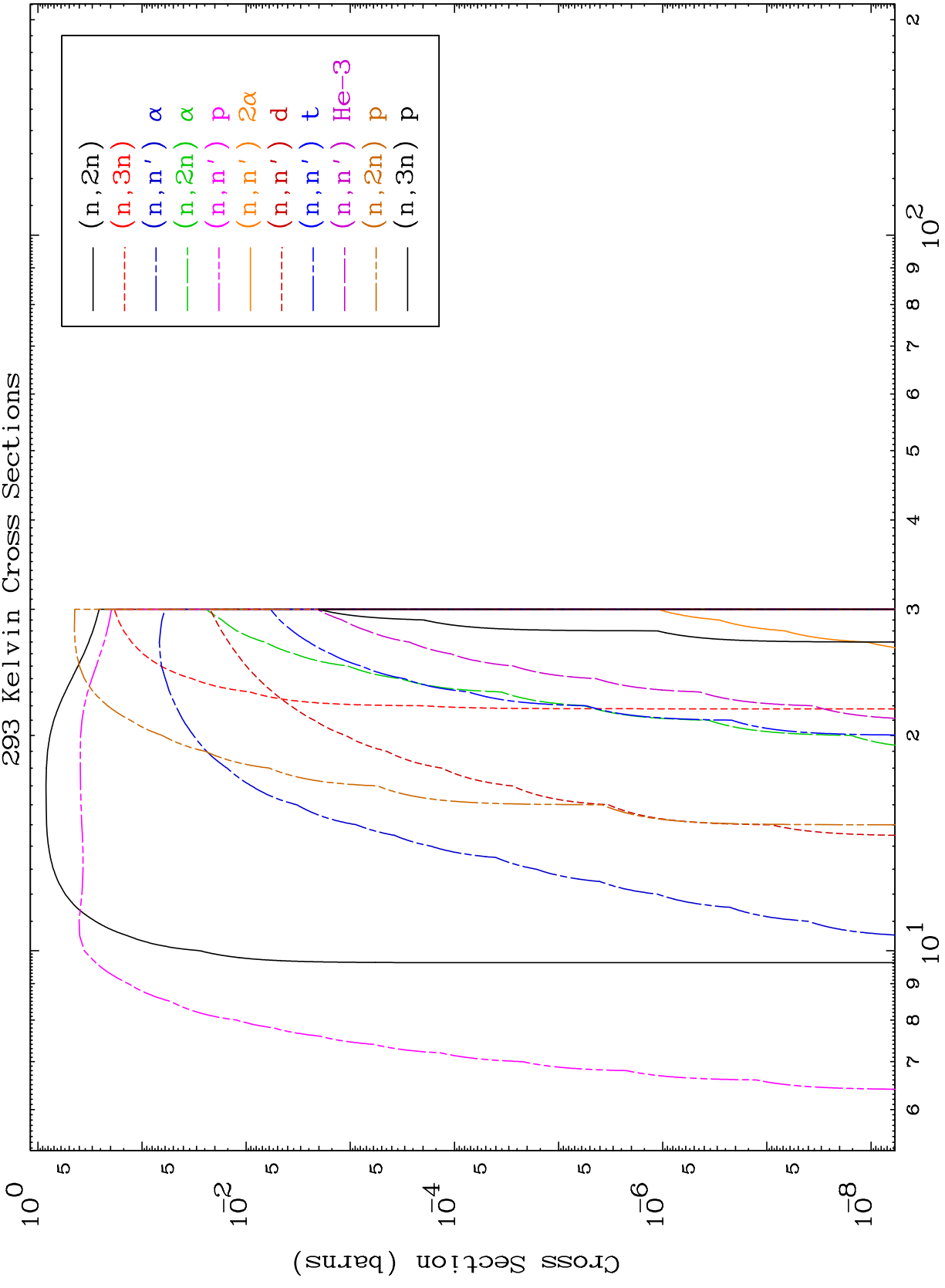
MAT 3916

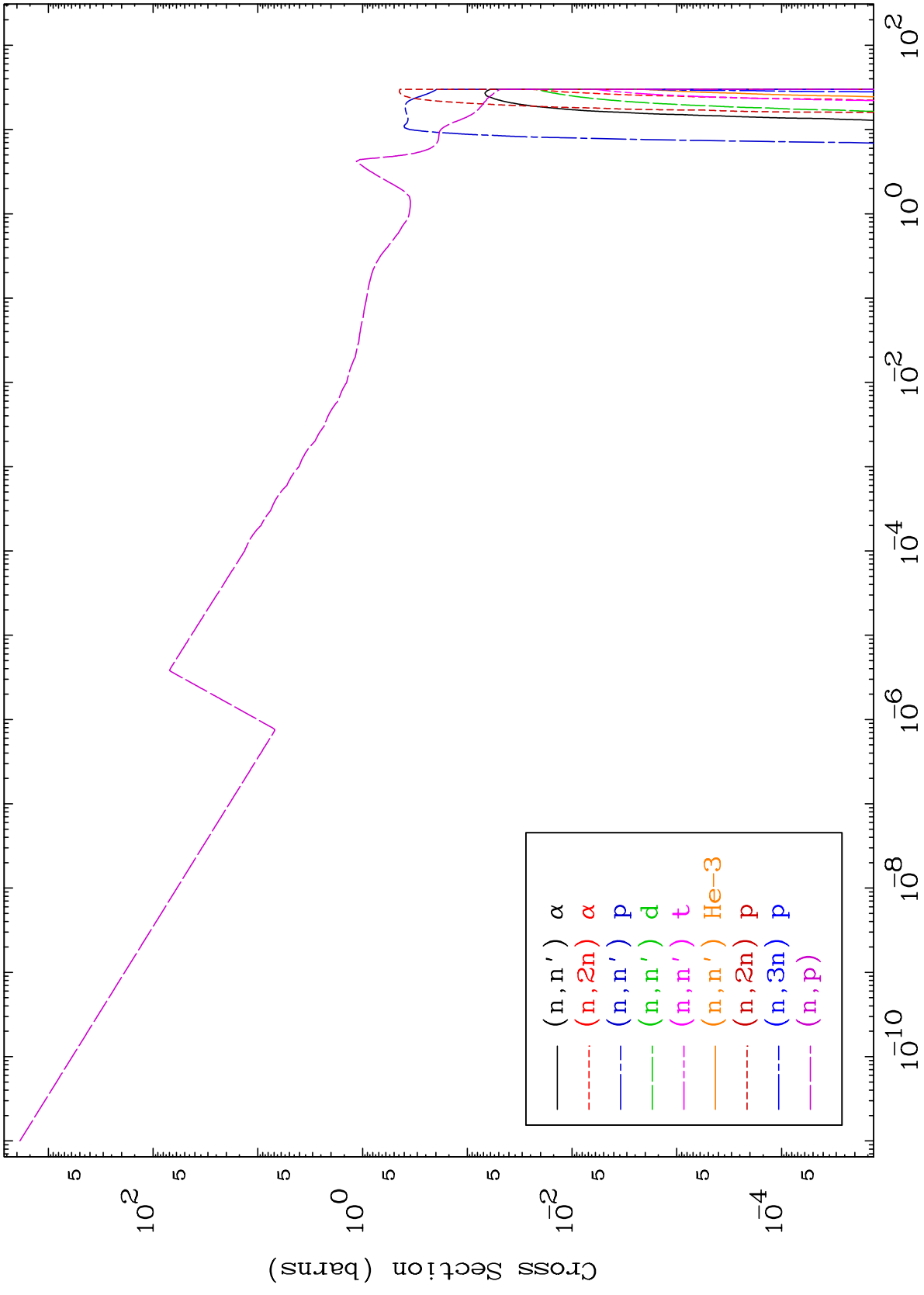
Major  
293 Kelvin Cross Sections

39-Y -86



39-Y -86

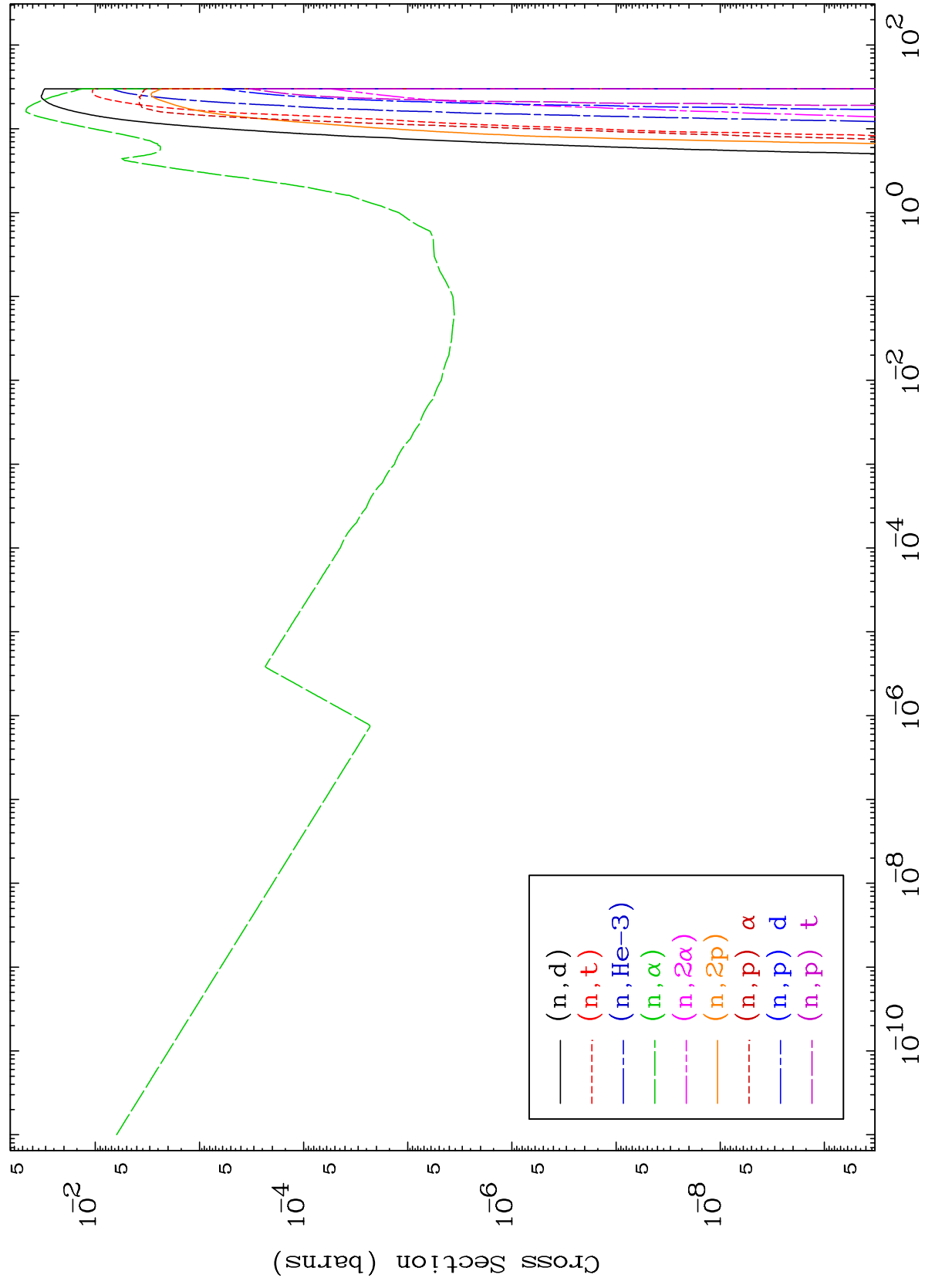




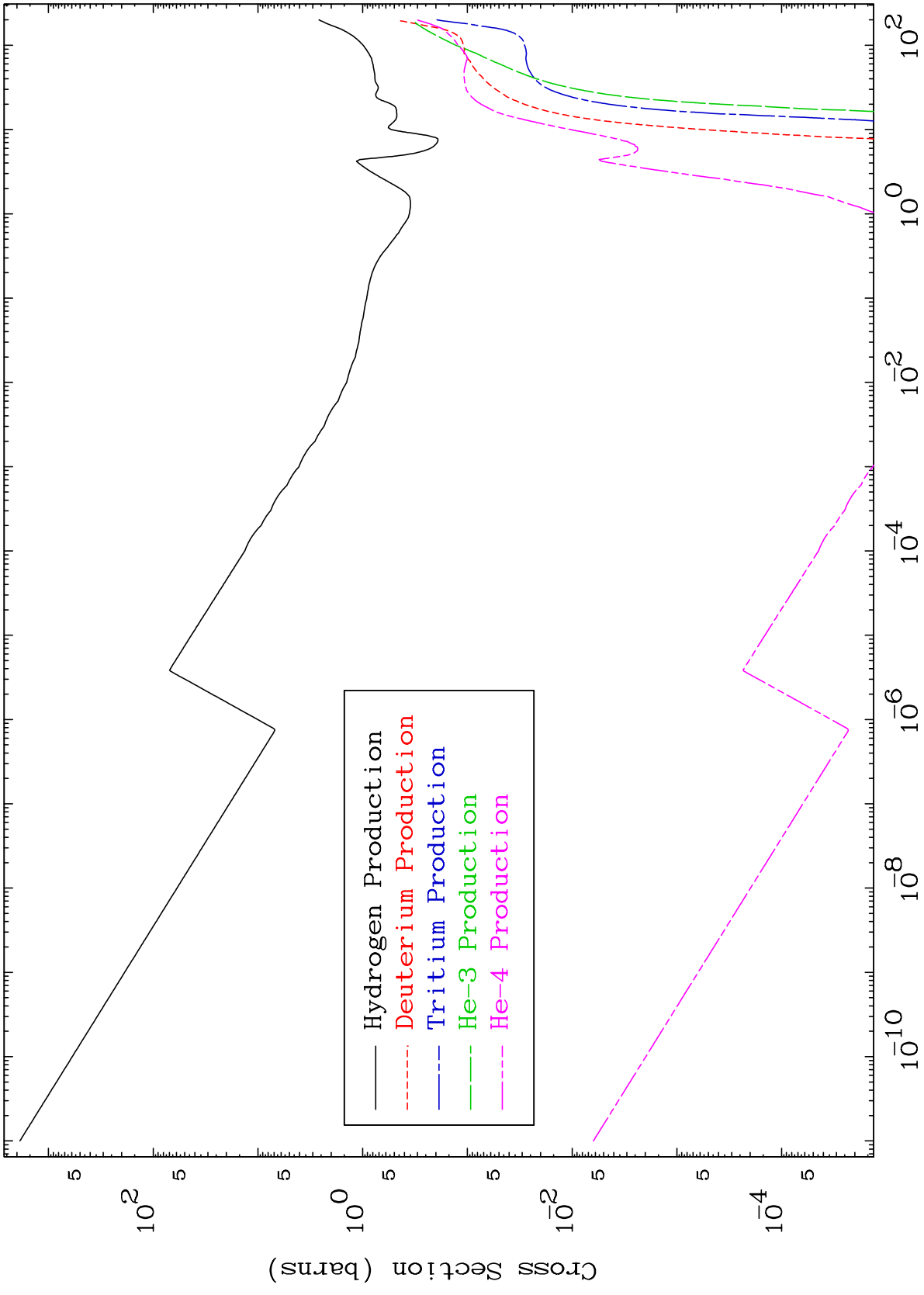
MAT 3916

Charged Particle  
293 Kelvin Cross Sections

39-Y -86



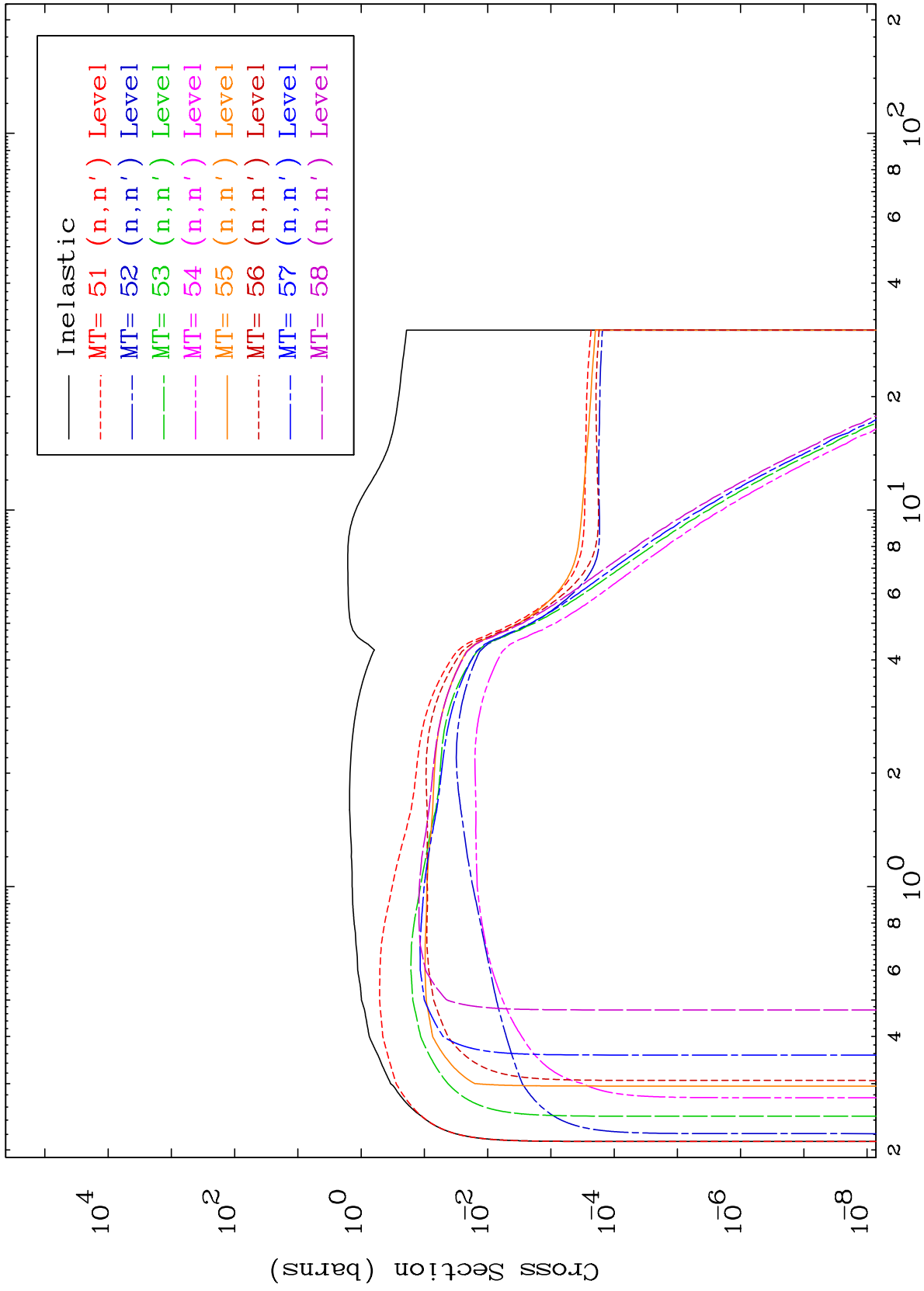
39-Y -86



MAT 3916

(n,n') Level  
293 Kelvin Cross Sections

39-Y -86



6

Incident Energy (MeV)

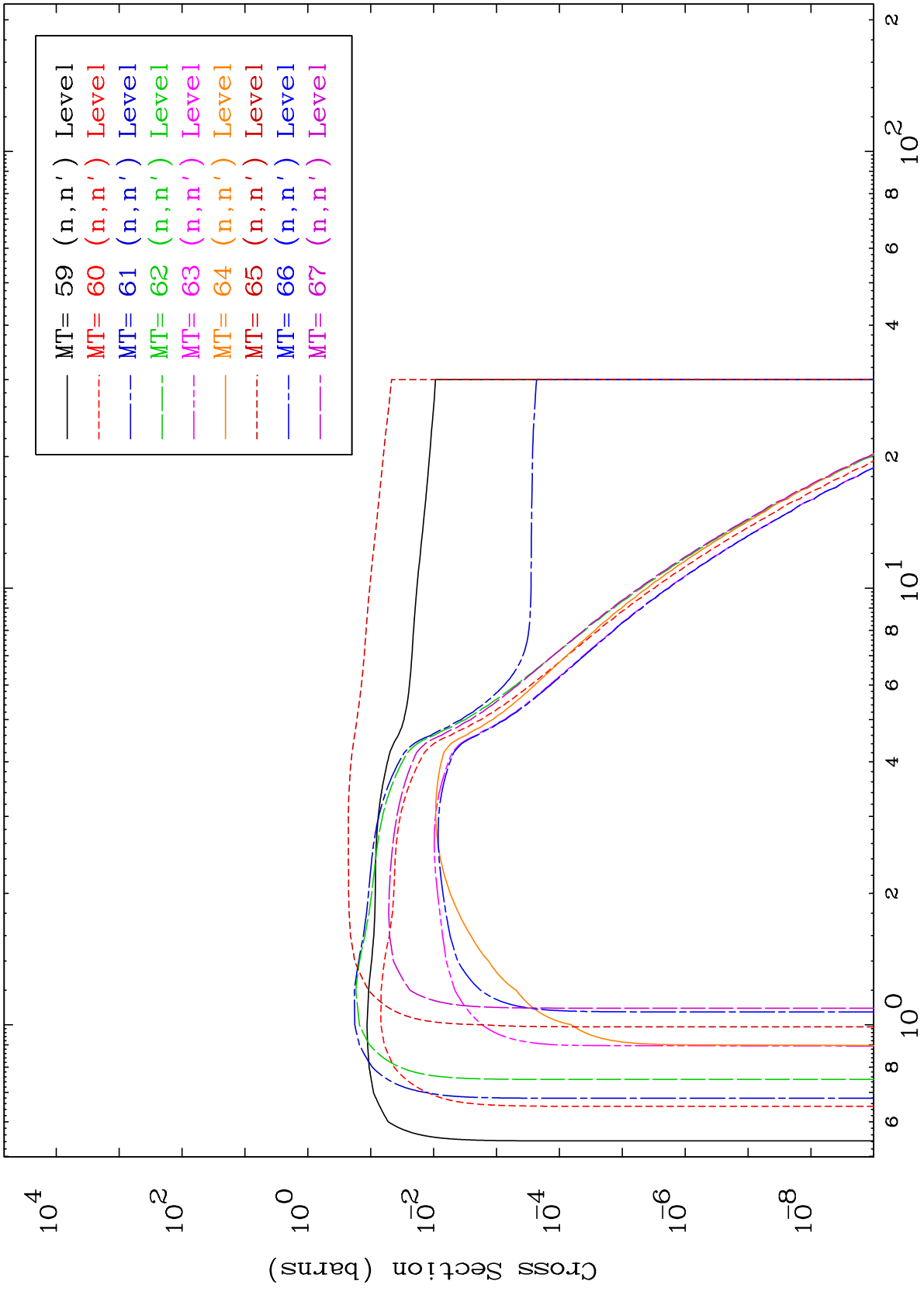
39-Y -86

MAT 3916

(n,n') Level

39-Y -86

293 Kelvin Cross Sections



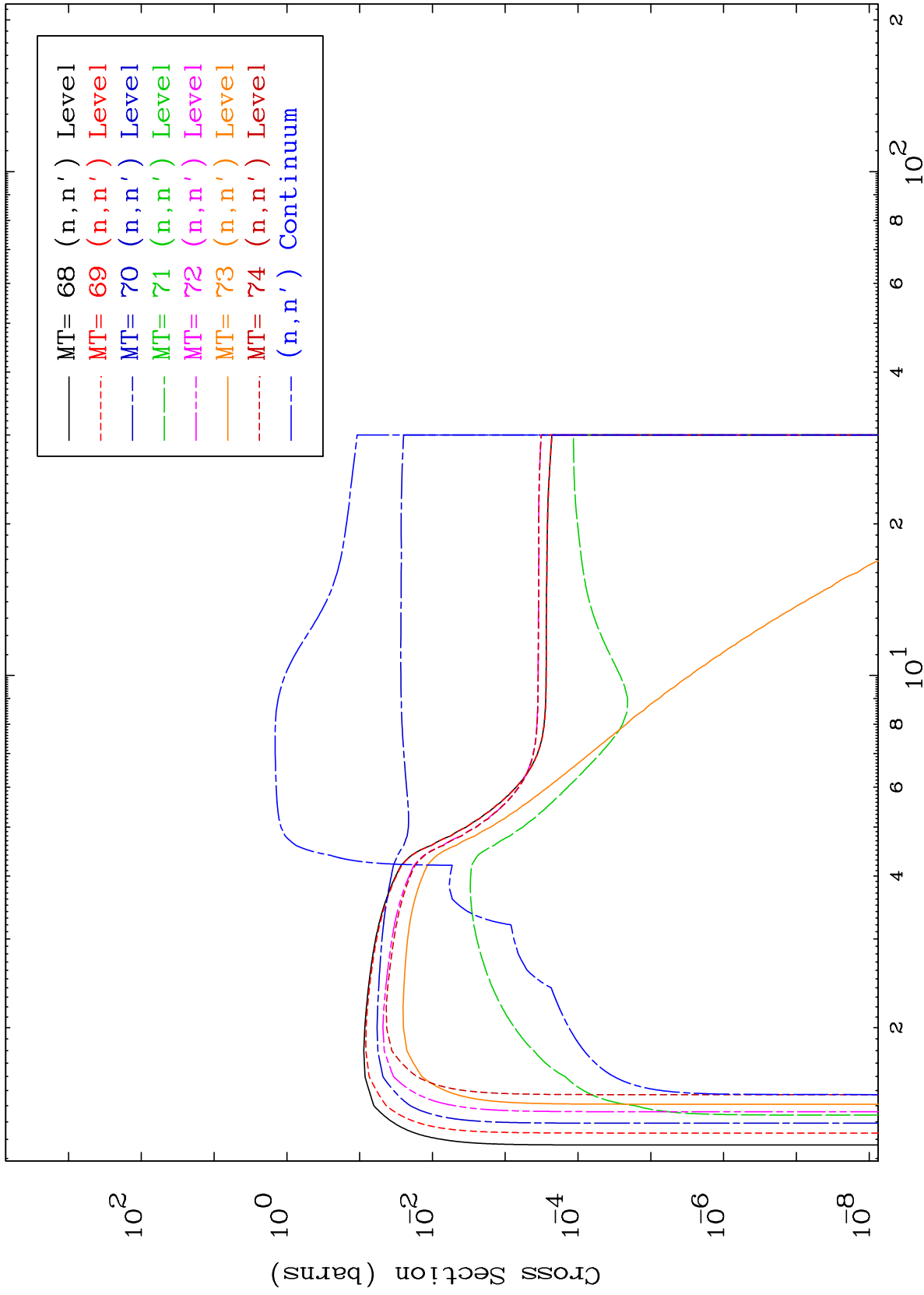
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Incident Energy (MeV)

39-Y -86



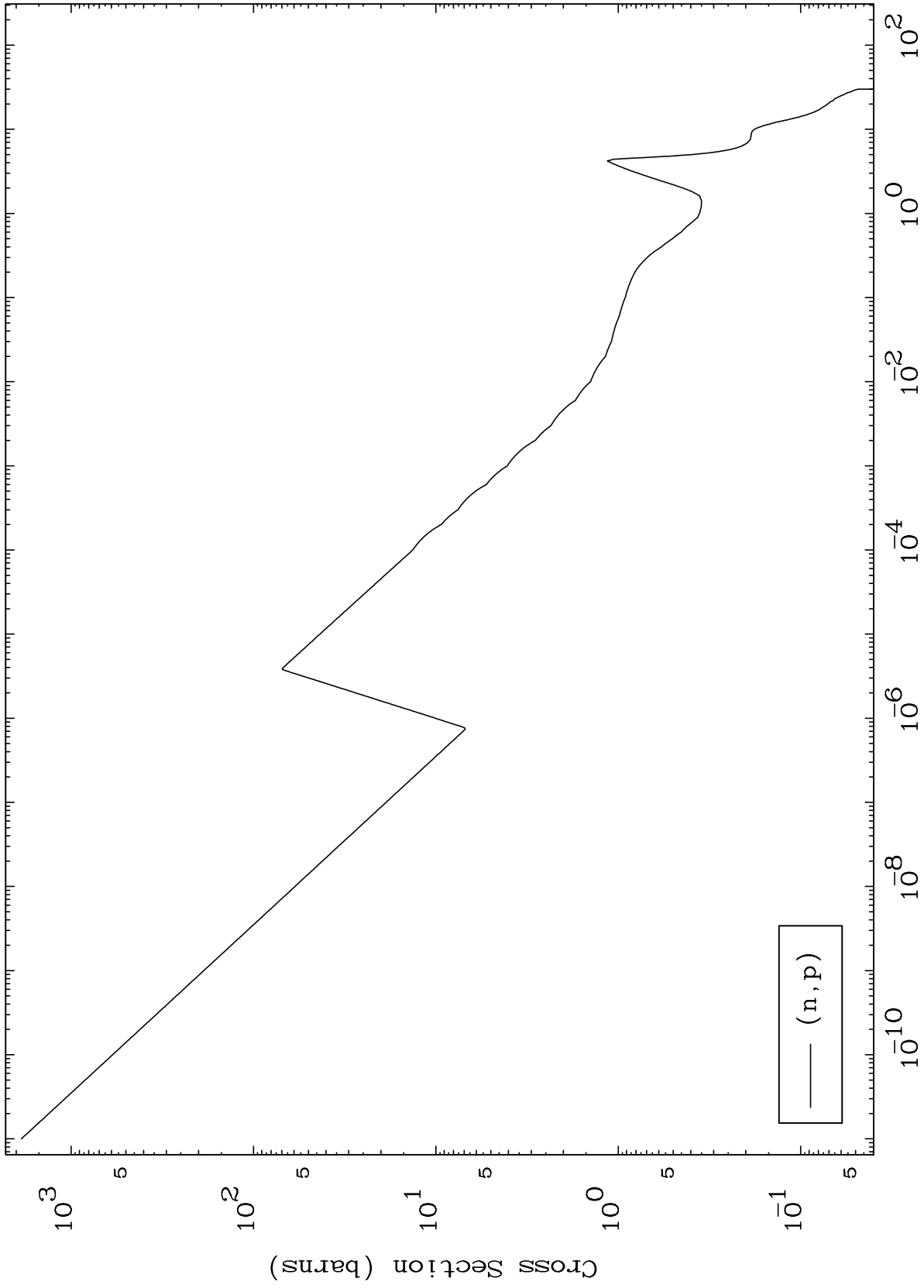
293 Kelvin Cross Sections



MAT 3916

(n,p) Levels  
293 Kelvin Cross Sections

39-Y -86



9

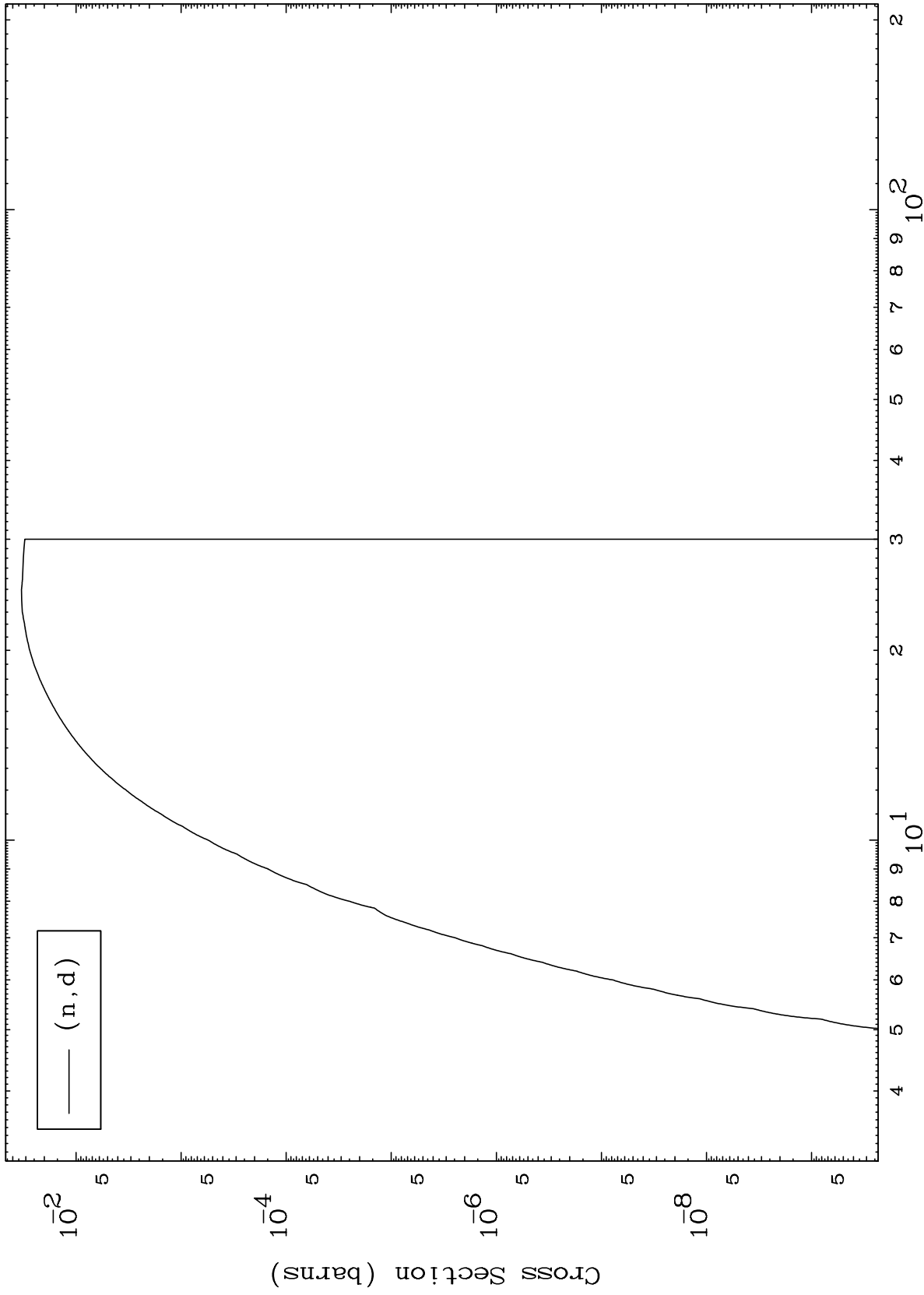
Incident Energy (MeV)

39-Y -86

MAT 3916

(n,d) Levels  
293 Kelvin Cross Sections

39-Y -86



10

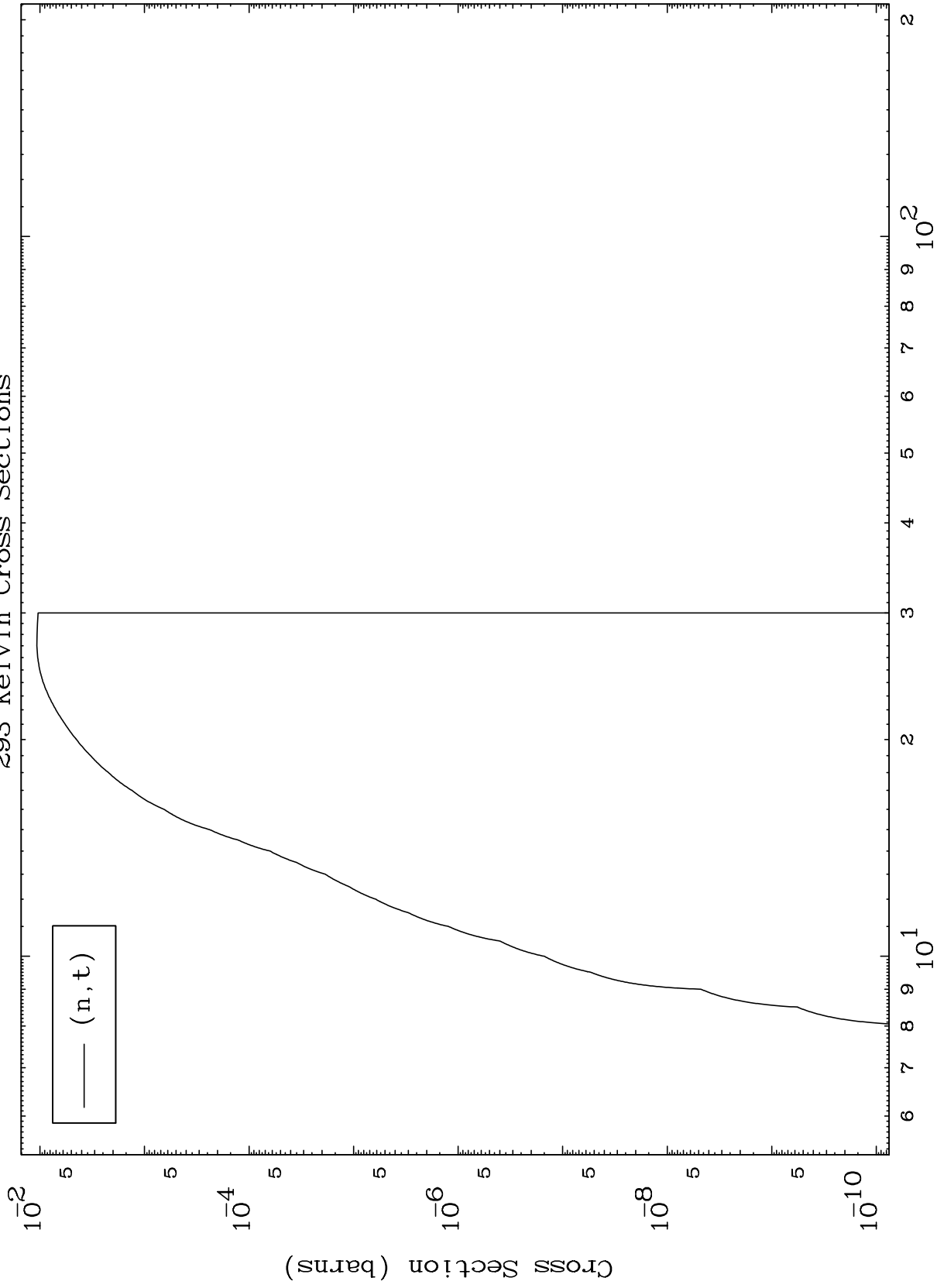
Incident Energy (MeV)

39-Y -86

MAT 3916

39-Y -86

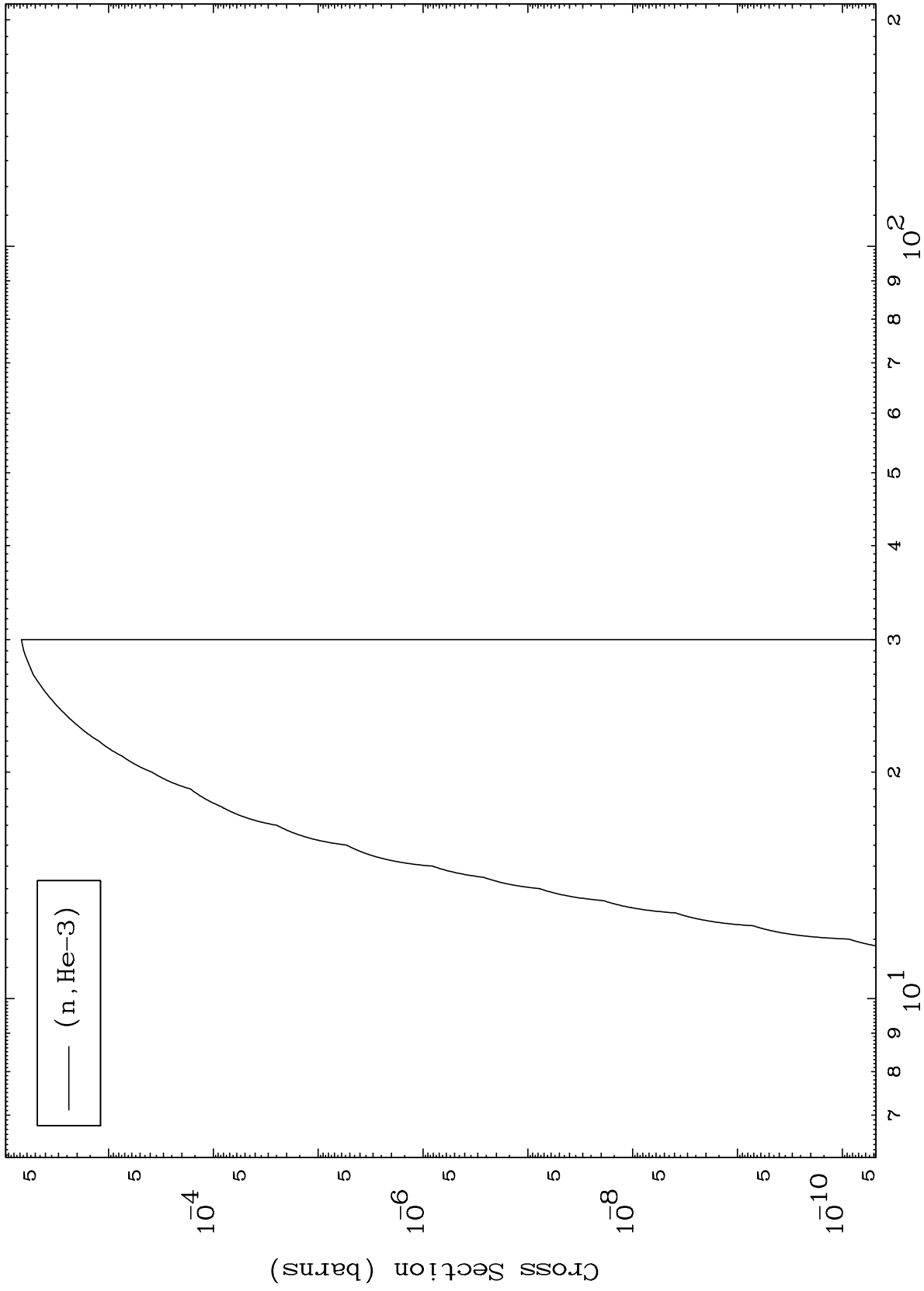
(n,t) Levels  
293 Kelvin Cross Sections



11

Incident Energy (MeV)

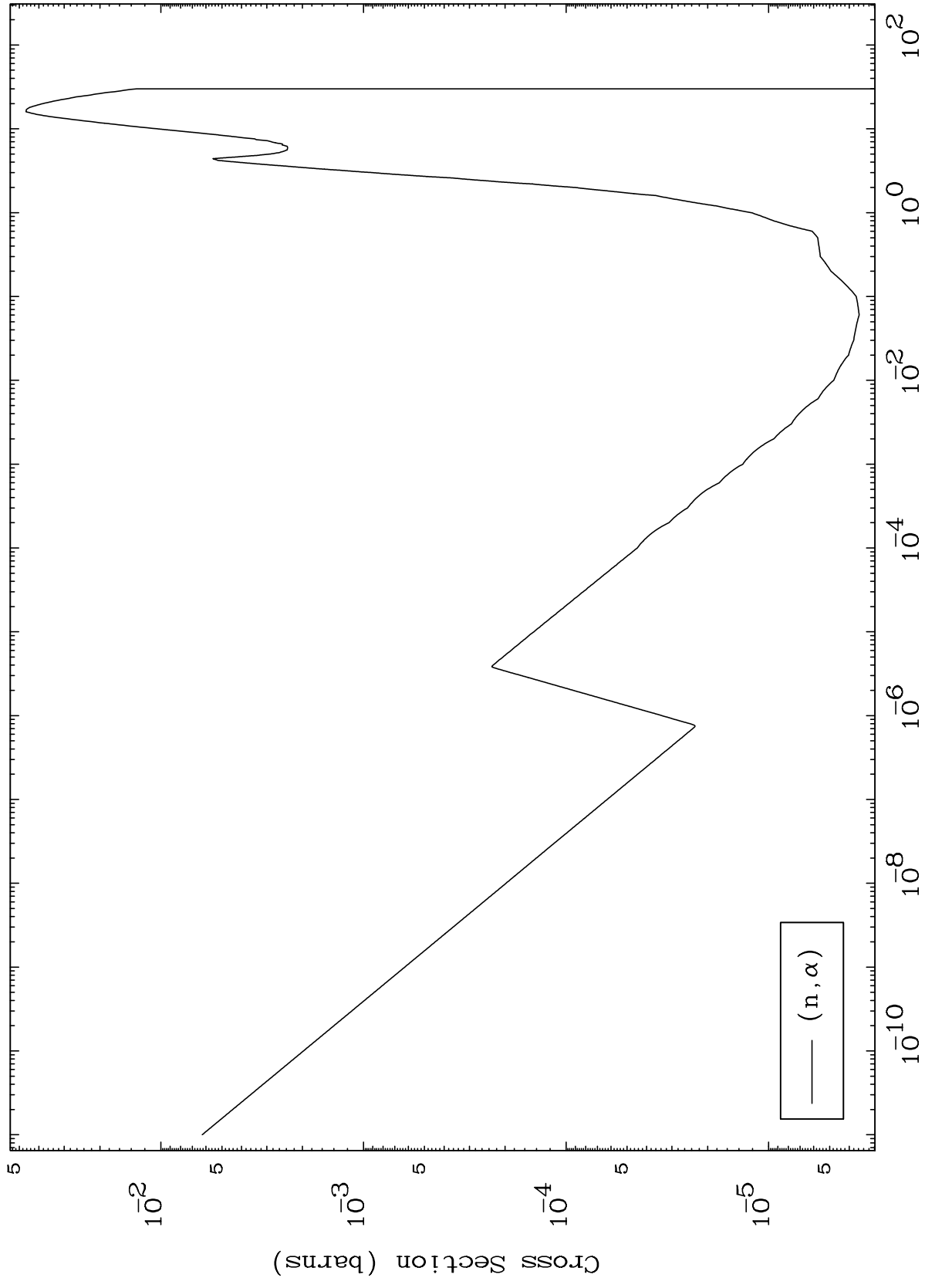
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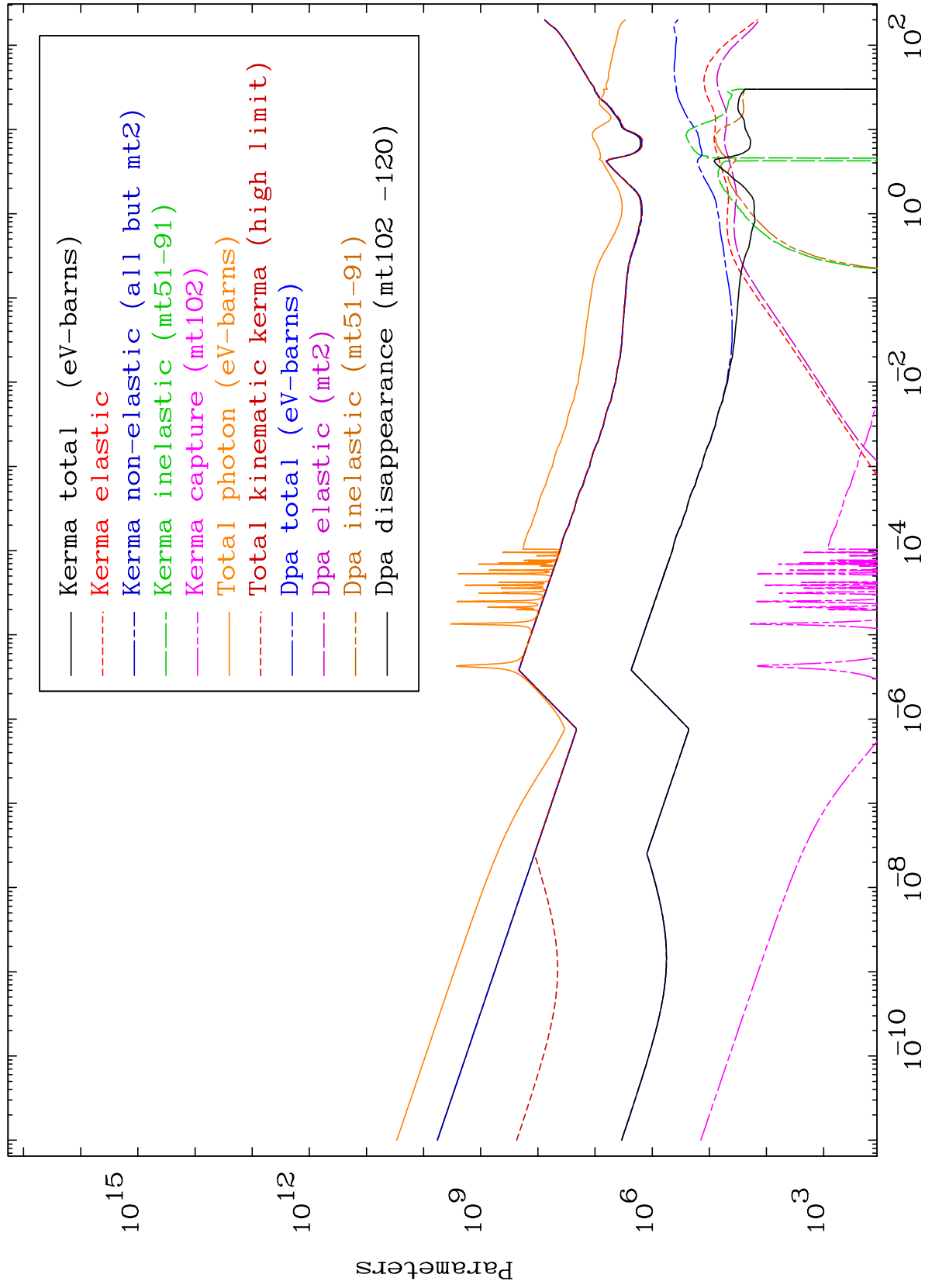
MAT 3916

(n,α) Levels  
293 Kelvin Cross Sections

39-Y -86



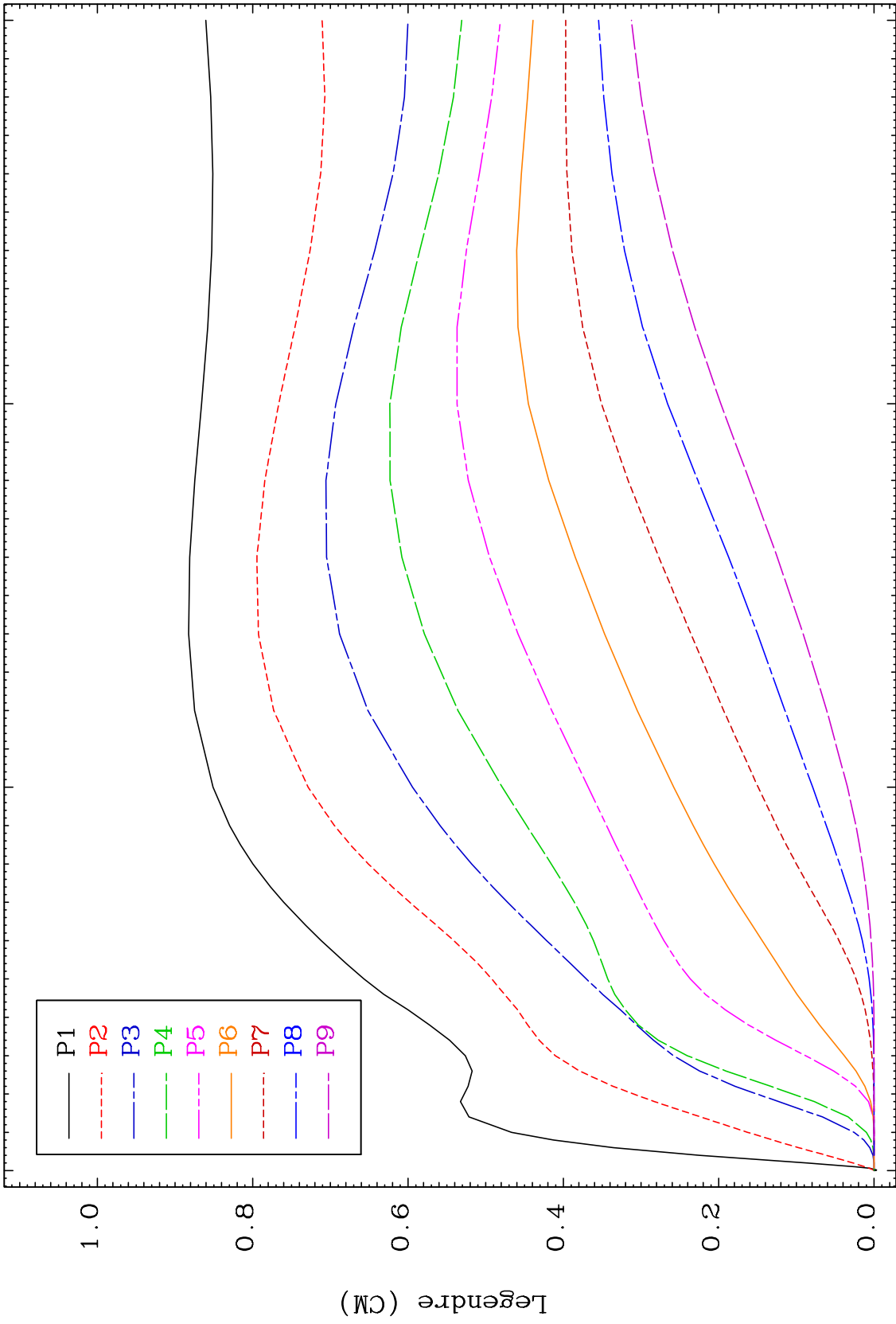
— (n,α)



MAT 3916

Elastic Legendre Coefficients

39-Y -86



15

Incident Energy (MeV)

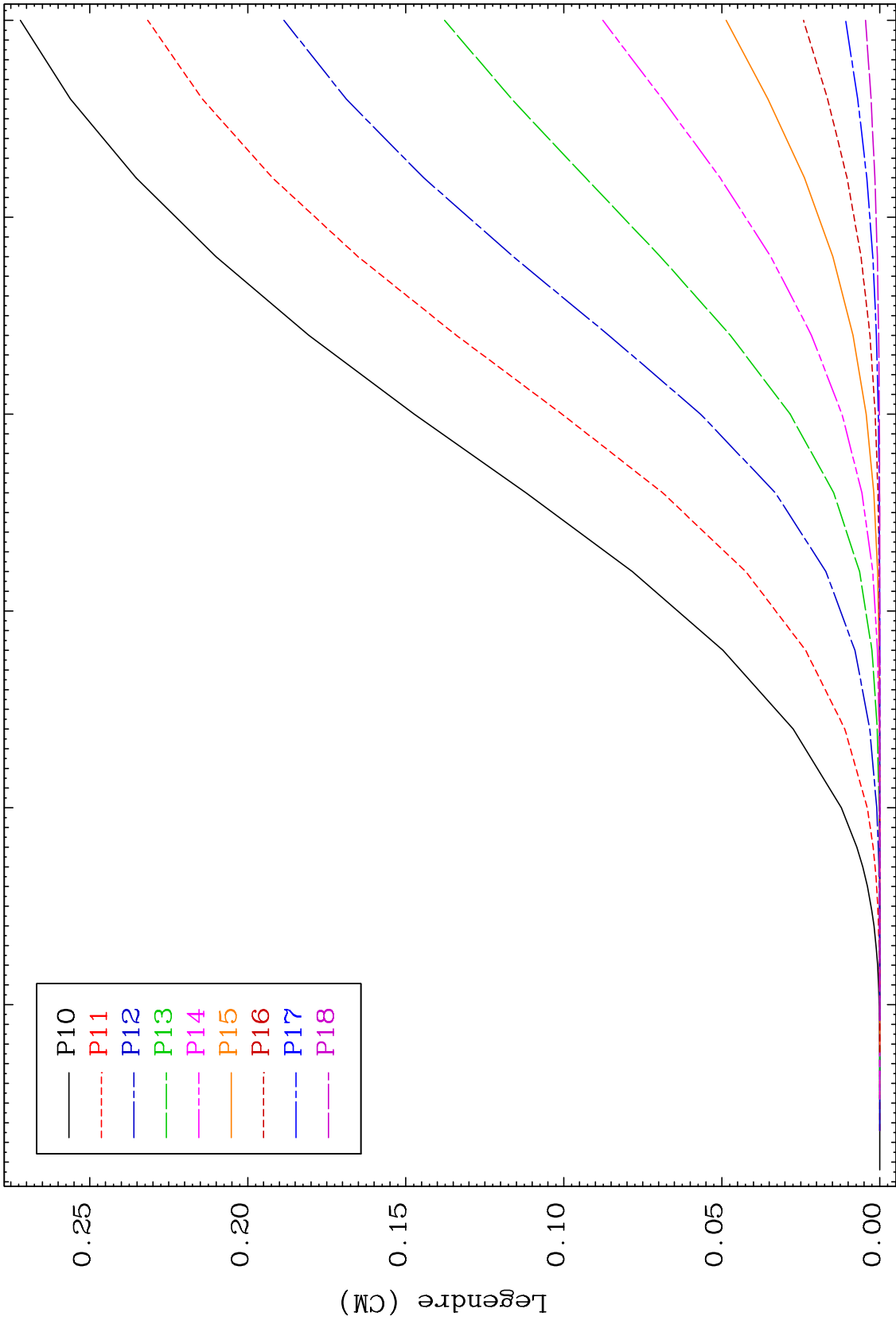
39-Y -86



MAT 3916

Elastic Legendre Coefficients

39-Y -86



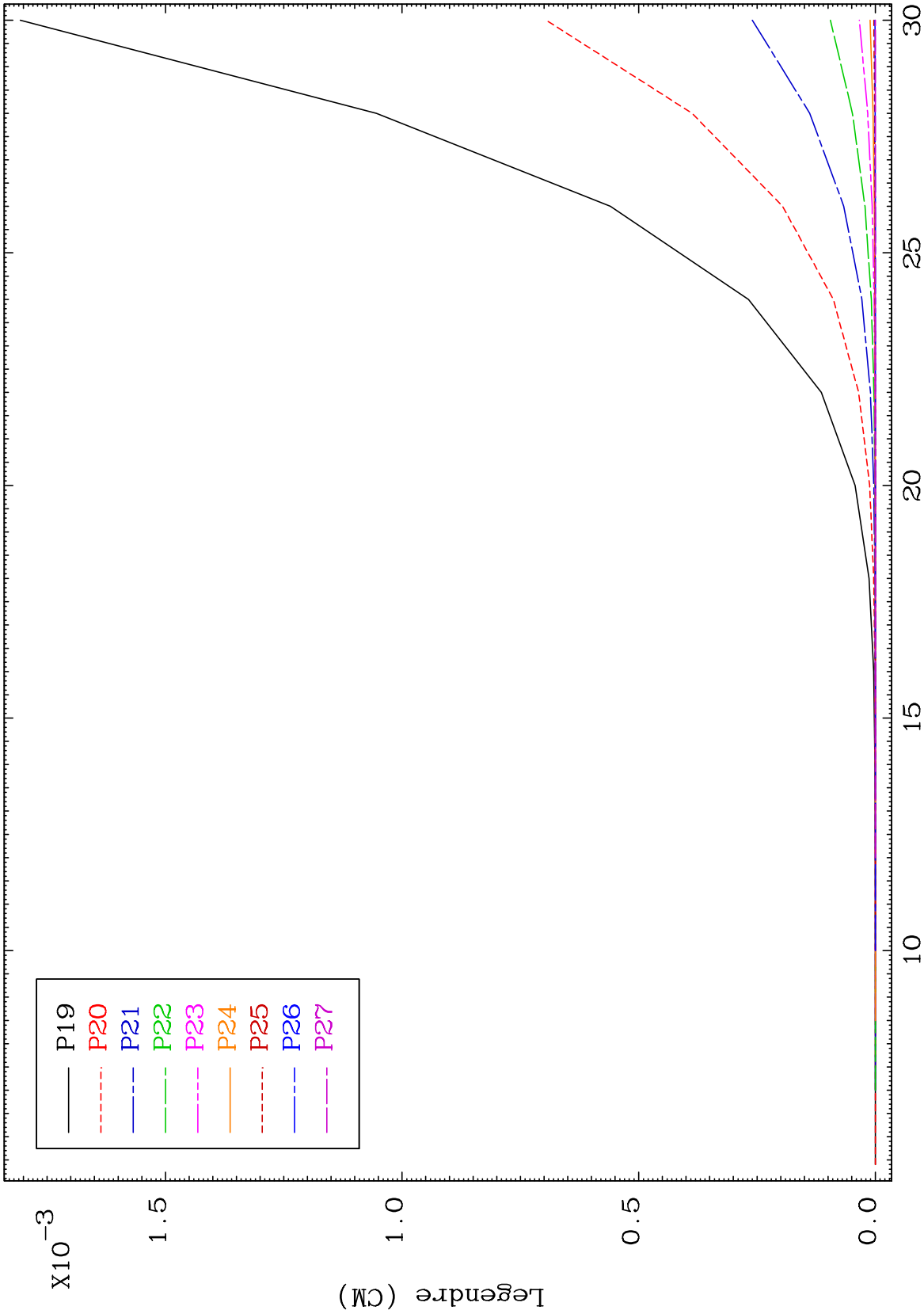
16

39-Y -86

MAT 3916

### Elastic Legendre Coefficients

39-Y -86



17

Incident Energy (MeV)

39-Y -86

MAT 3916

39-Y -86

Elastic Legendre Coefficients



18

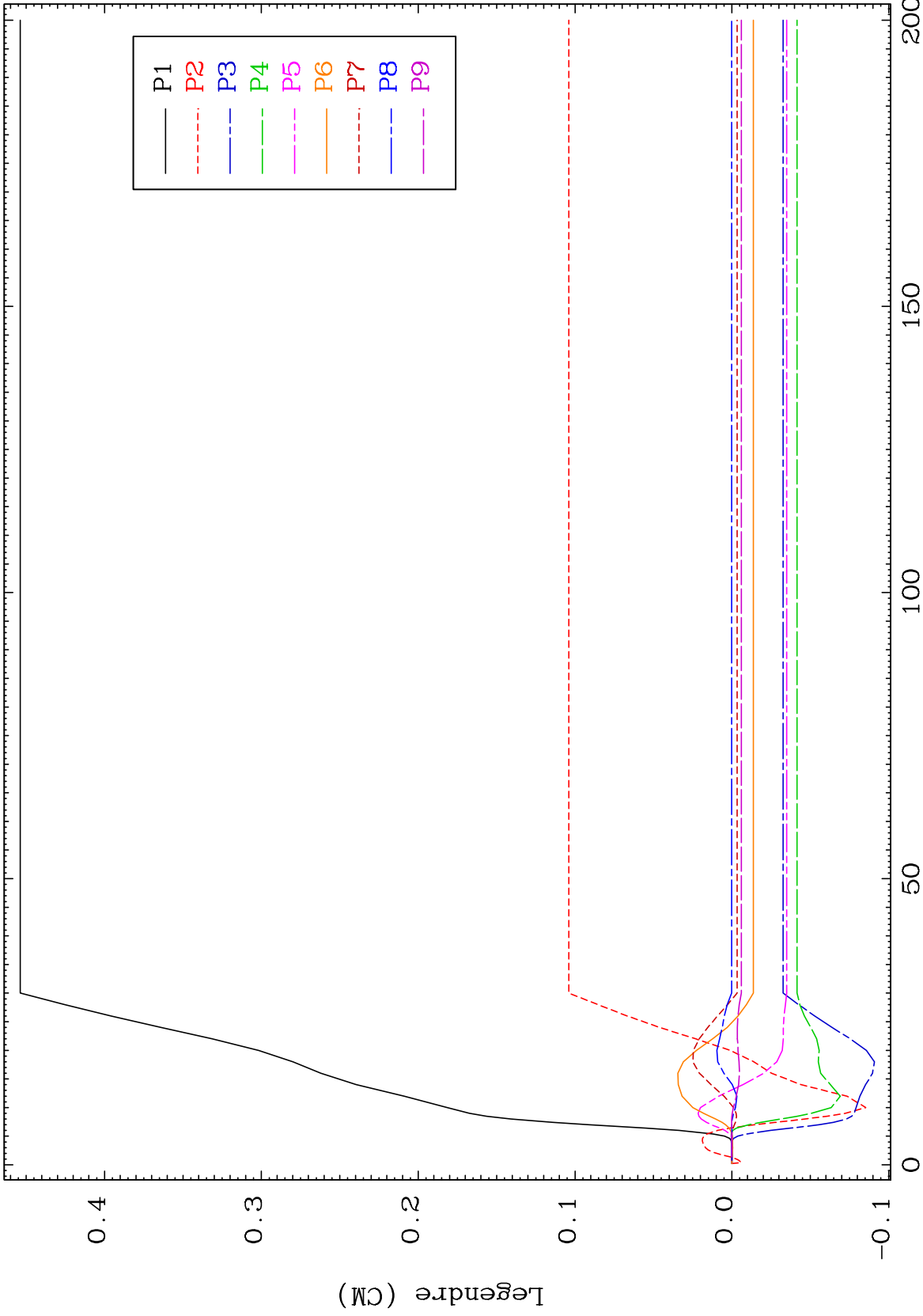
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



19

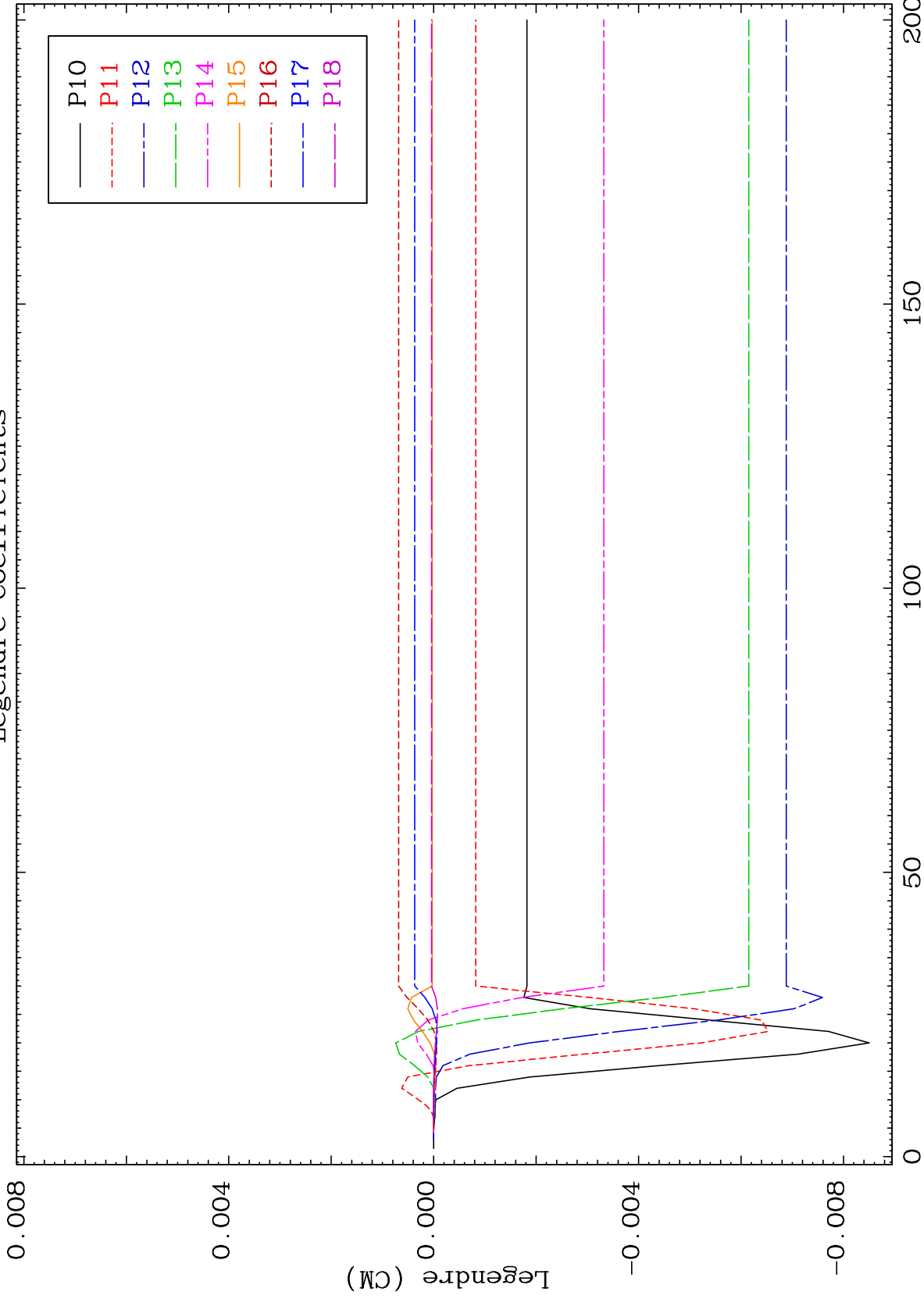
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



39-Y -86

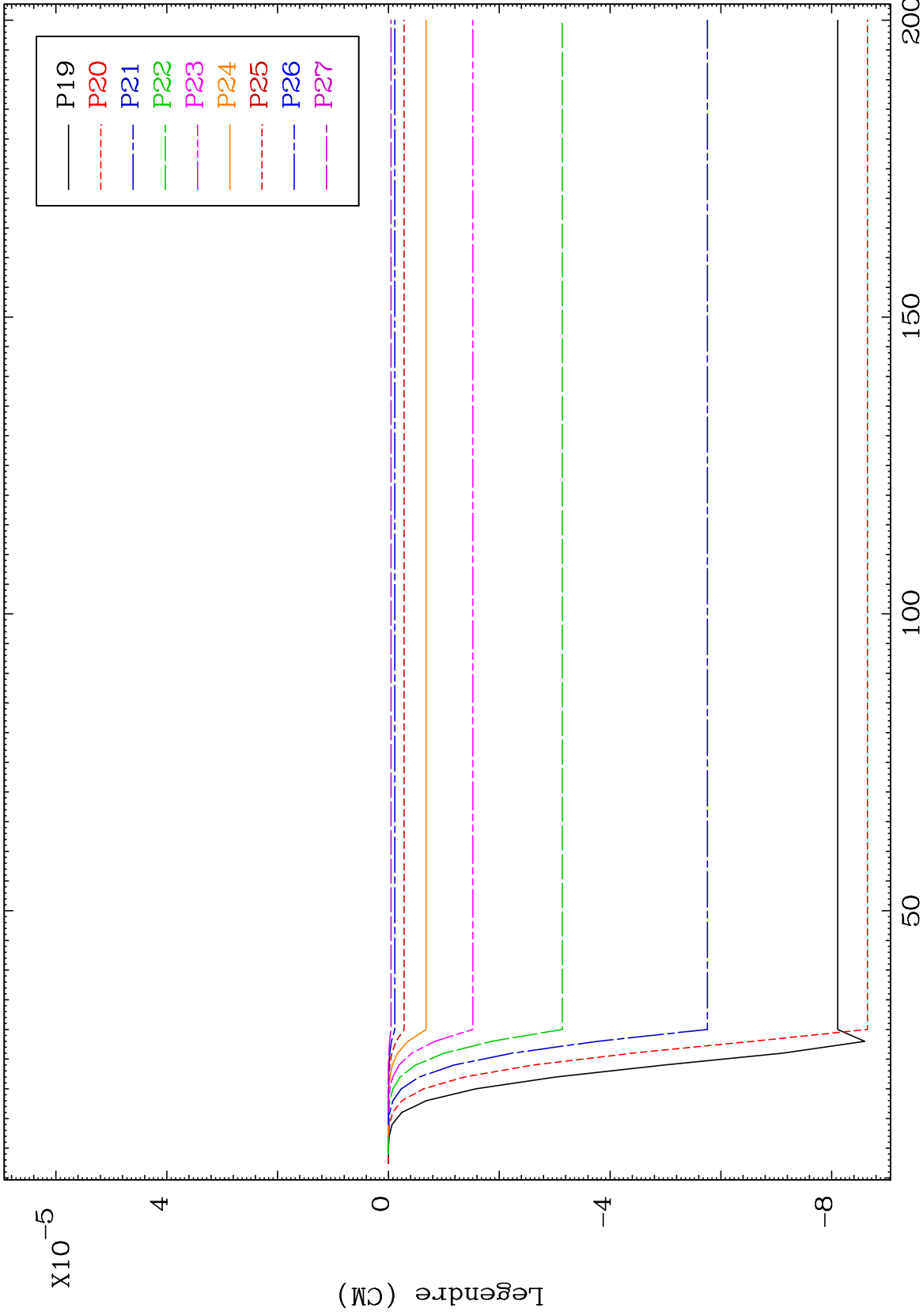
Incident Energy (MeV)

20

MAT 3916

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

39-Y -86



21

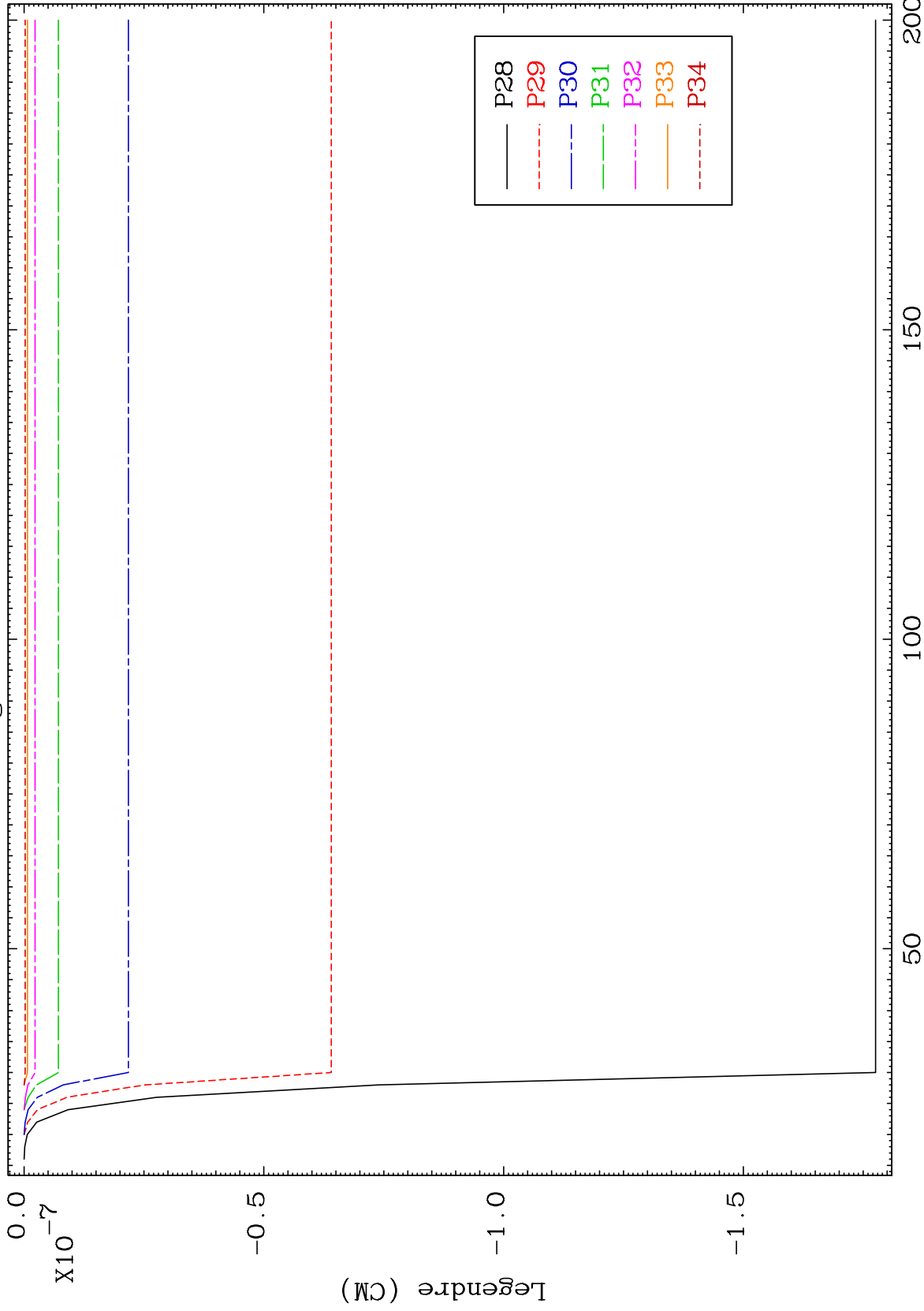
Incident Energy (MeV)

39-Y -86

MAT 3916

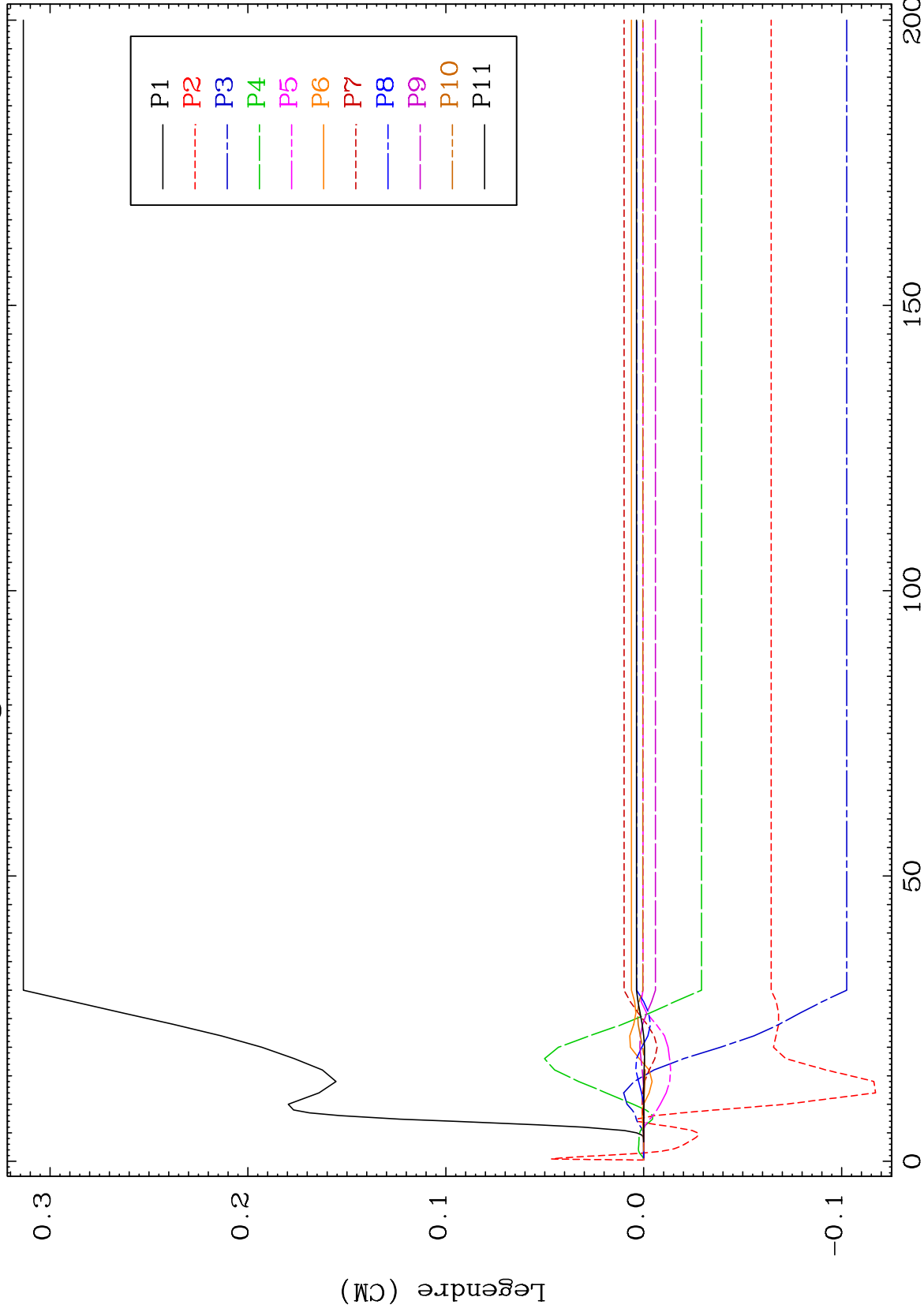
MT= 51 (n,n') Level  
Legendre Coefficients

39-Y -86

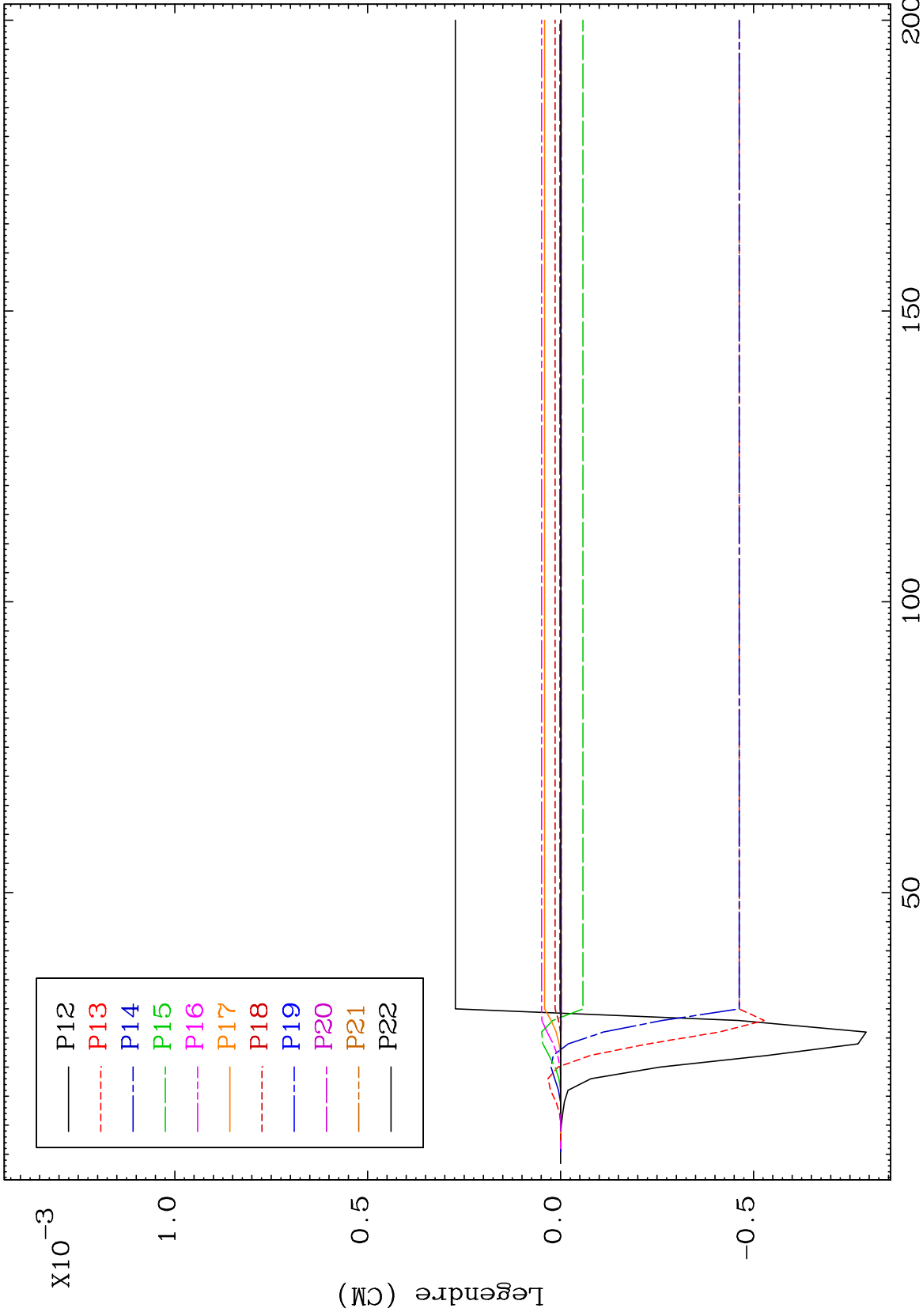


39-Y -86

22



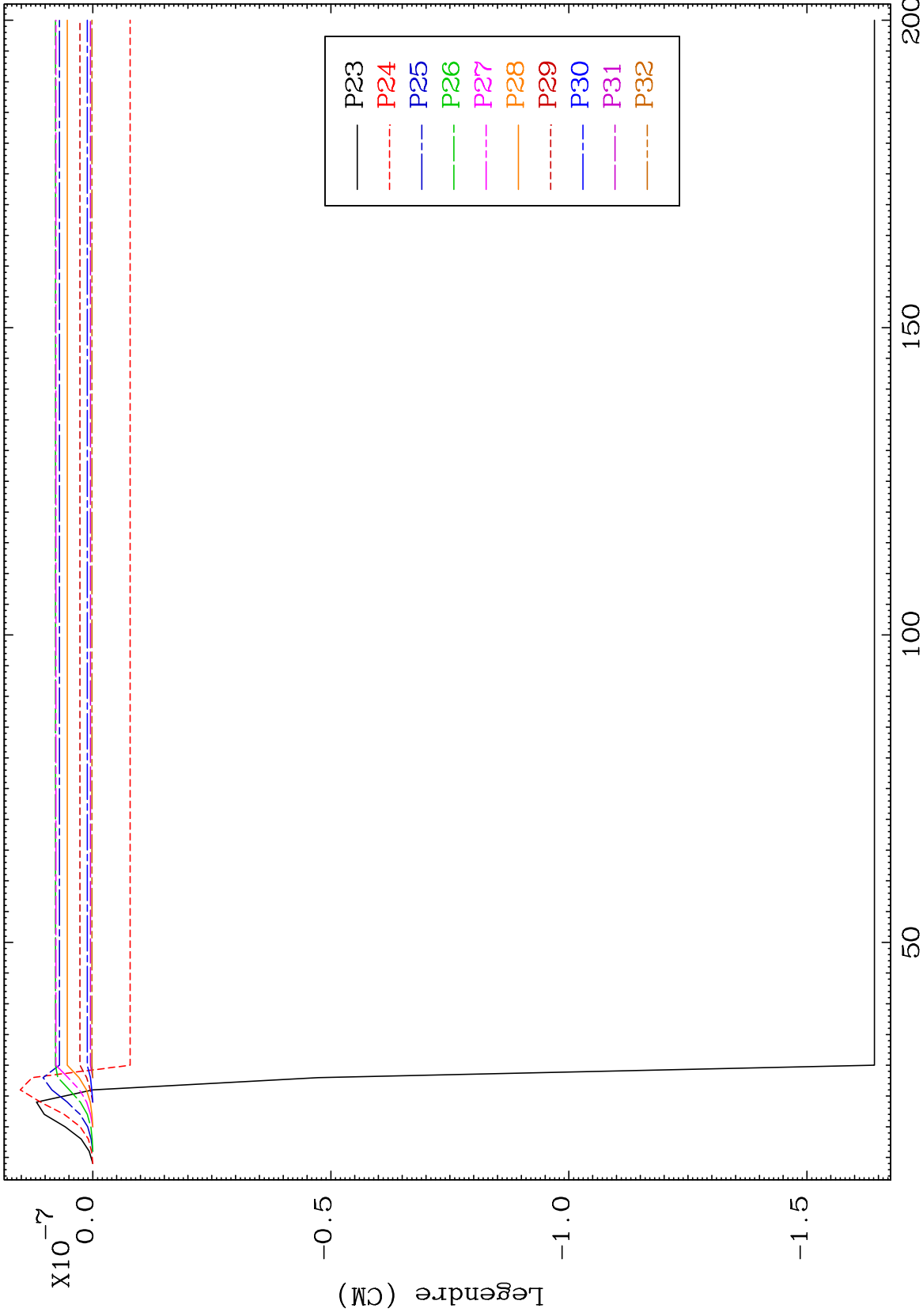




MAT 3916

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

39-Y -86



25

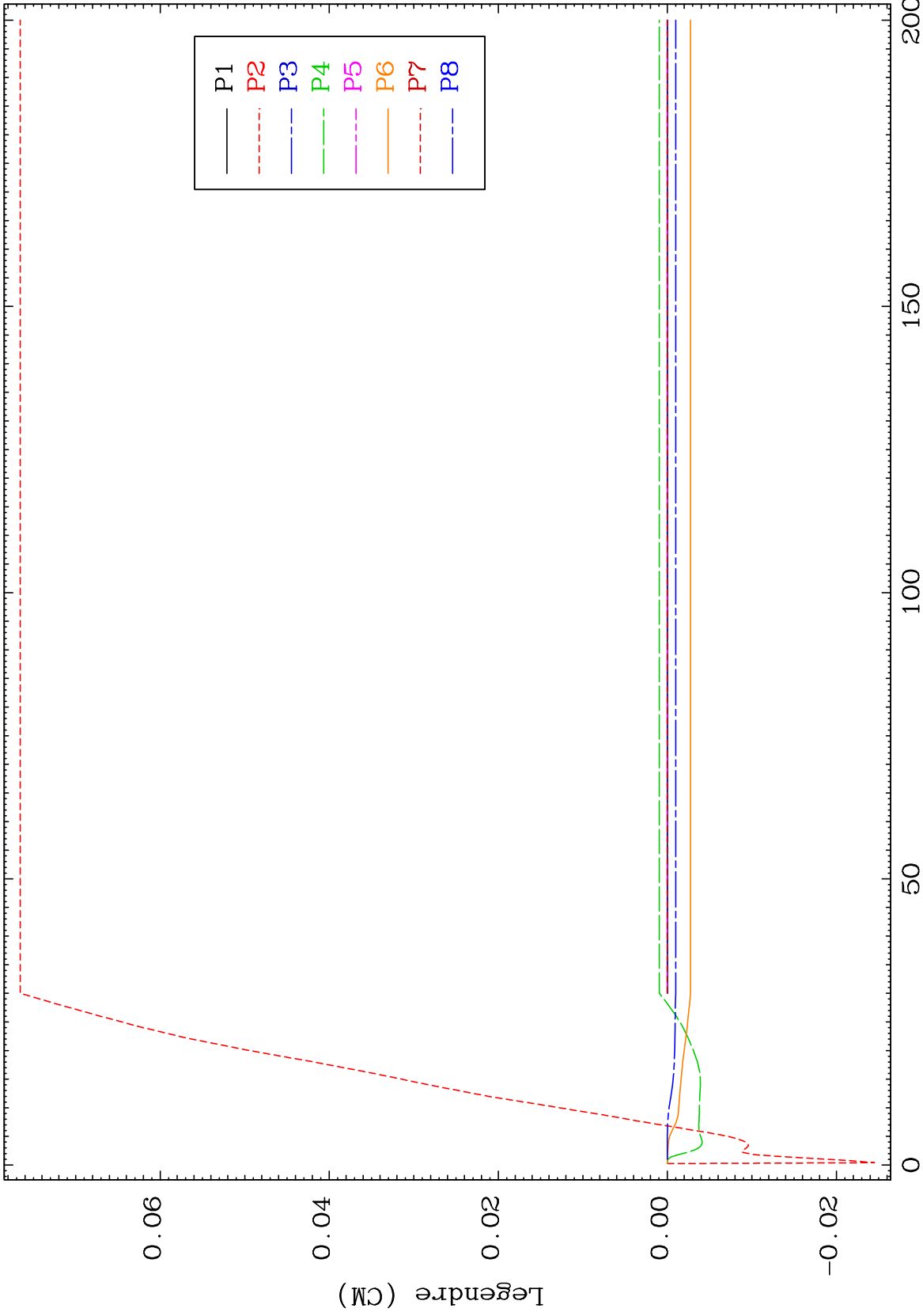
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



26

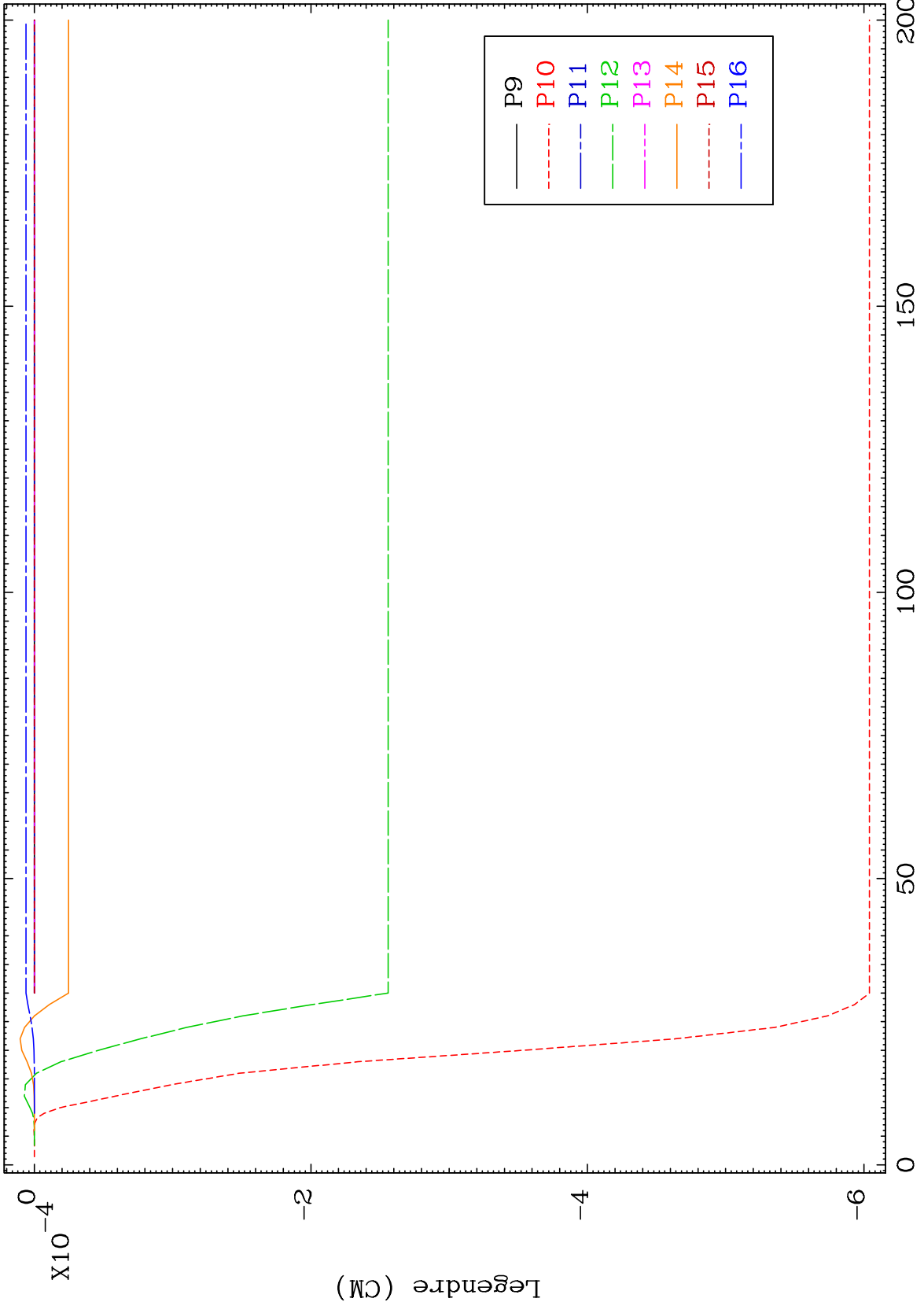
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86

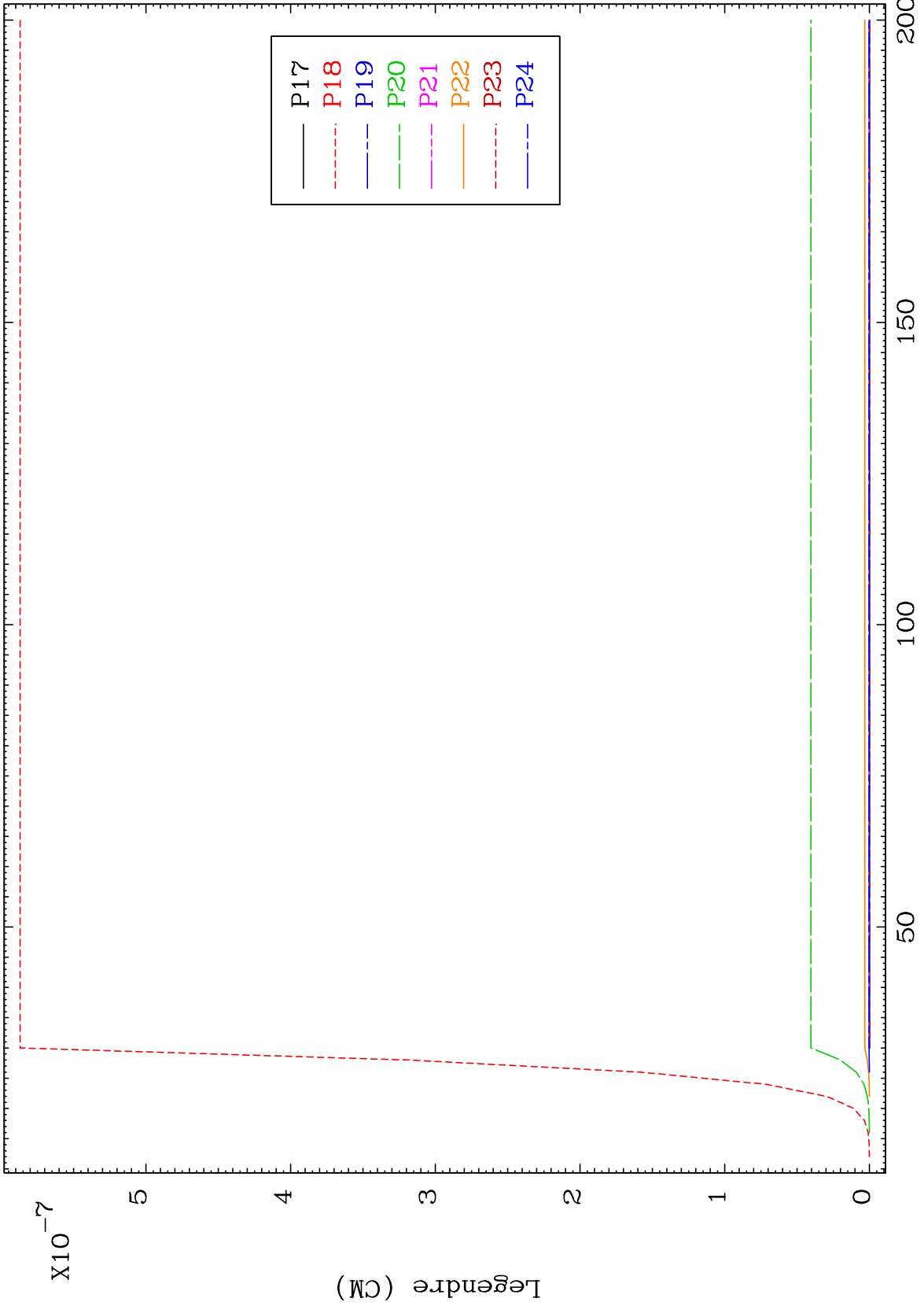


39-Y -86

Incident Energy (MeV)

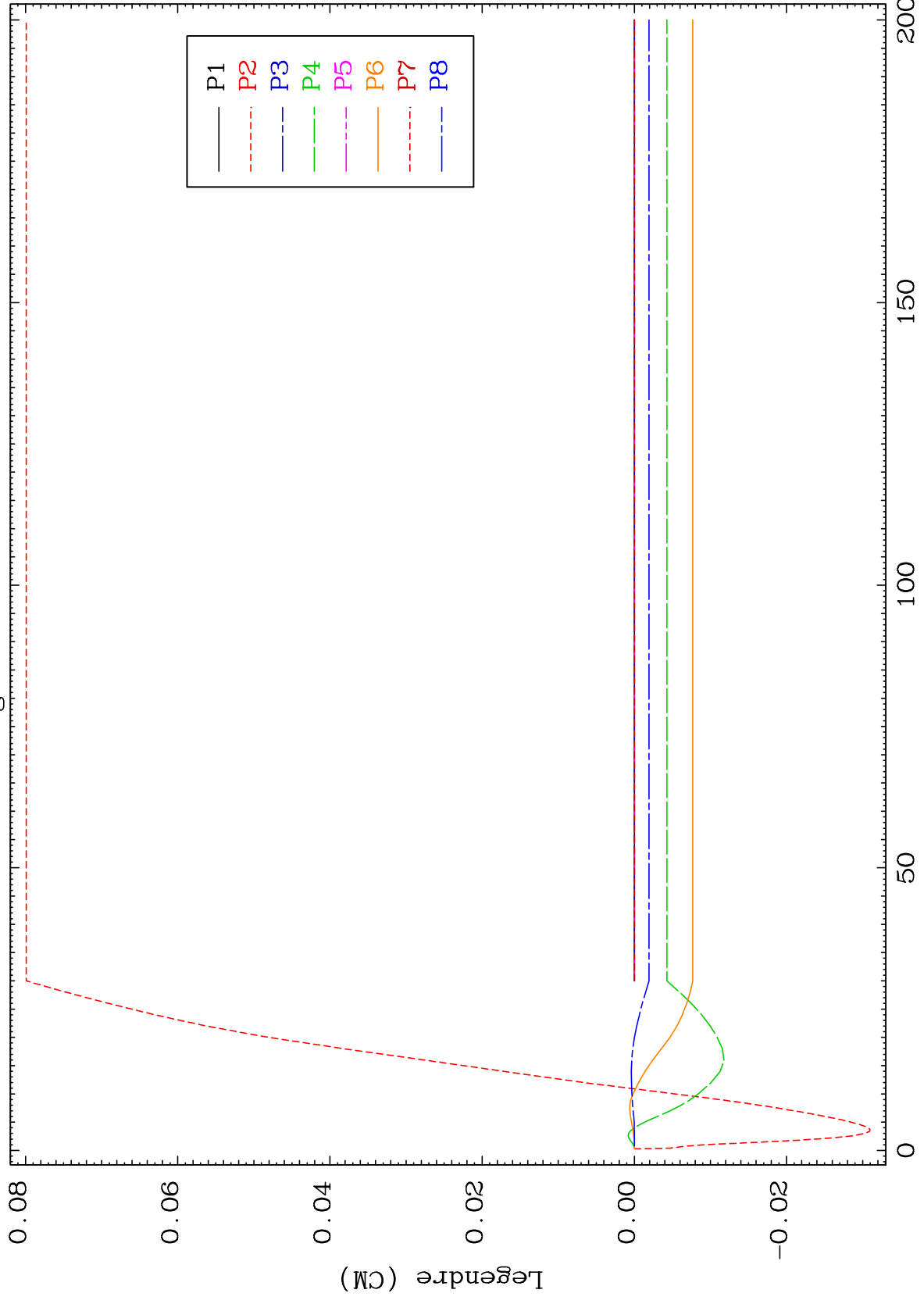
27

MAT 3916 MT= 53 (n,n') Level Legendre Coefficients 39-Y -86



28 39-Y -86

MAT 3916 MT= 54 (n,n') Level Legendre Coefficients 39-Y -86

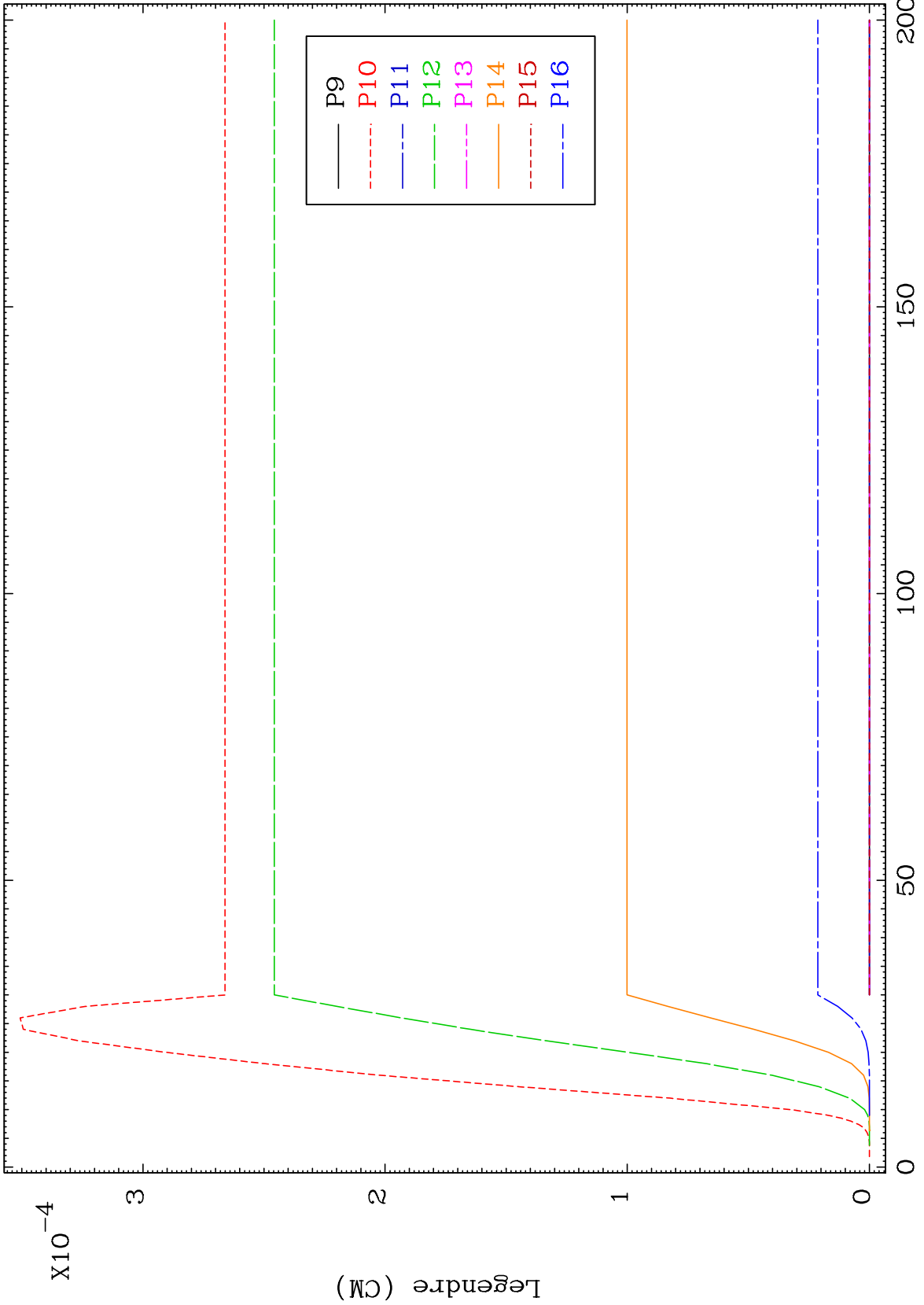


29 39-Y -86

MAT 3916

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

39-Y -86



30

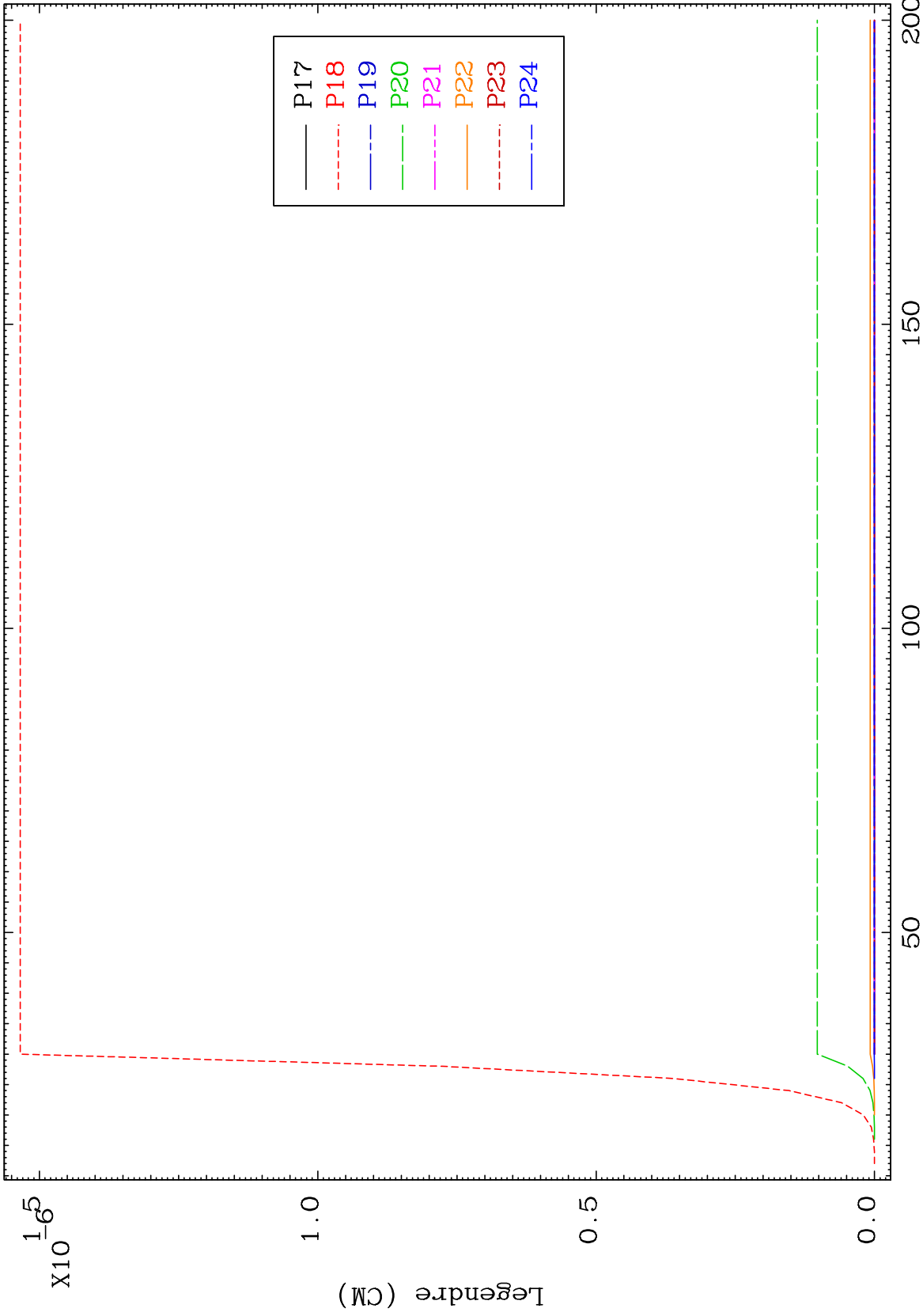
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



31

Incident Energy (MeV)

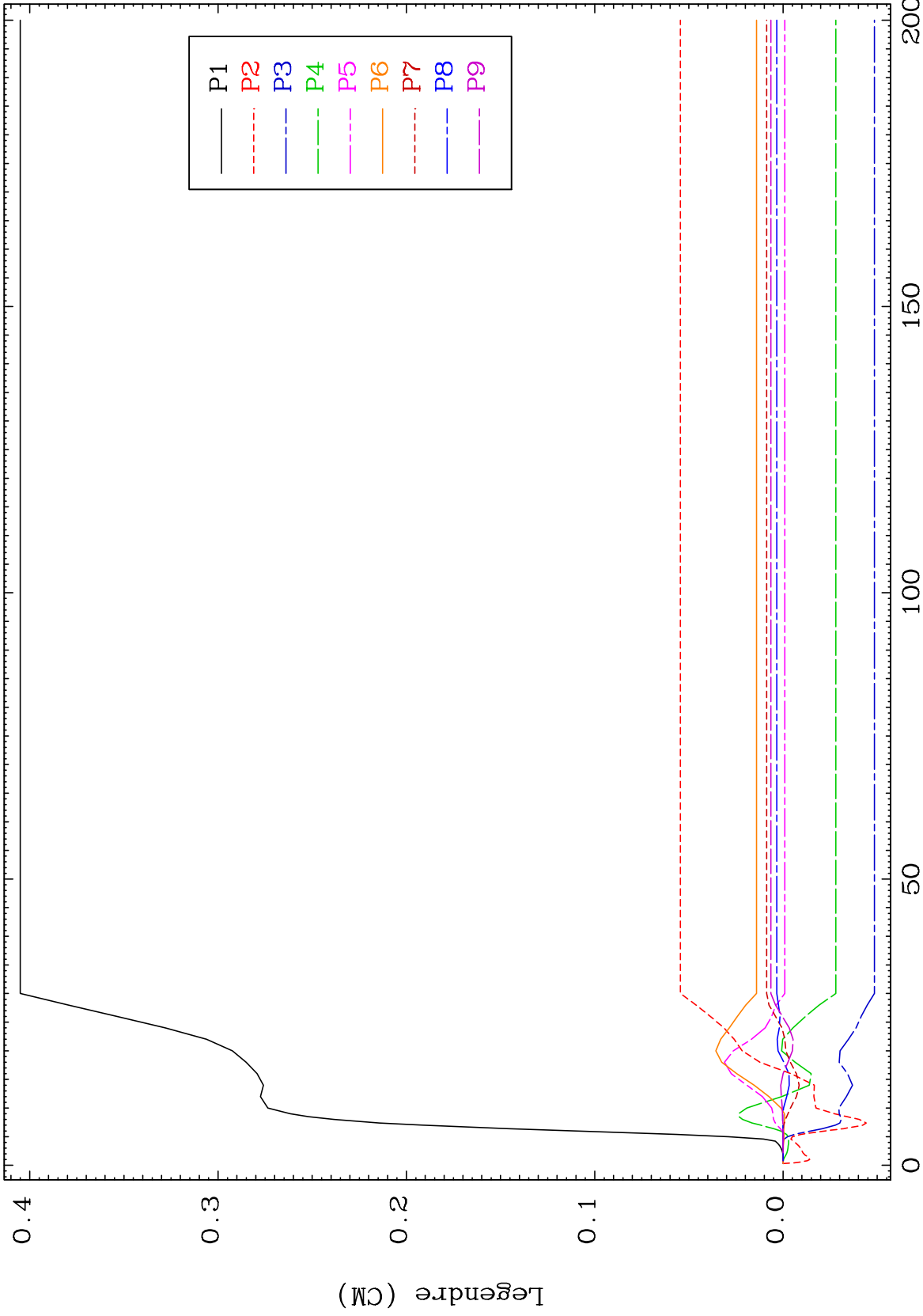
39-Y -86



MAT 3916

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

39-Y -86



32

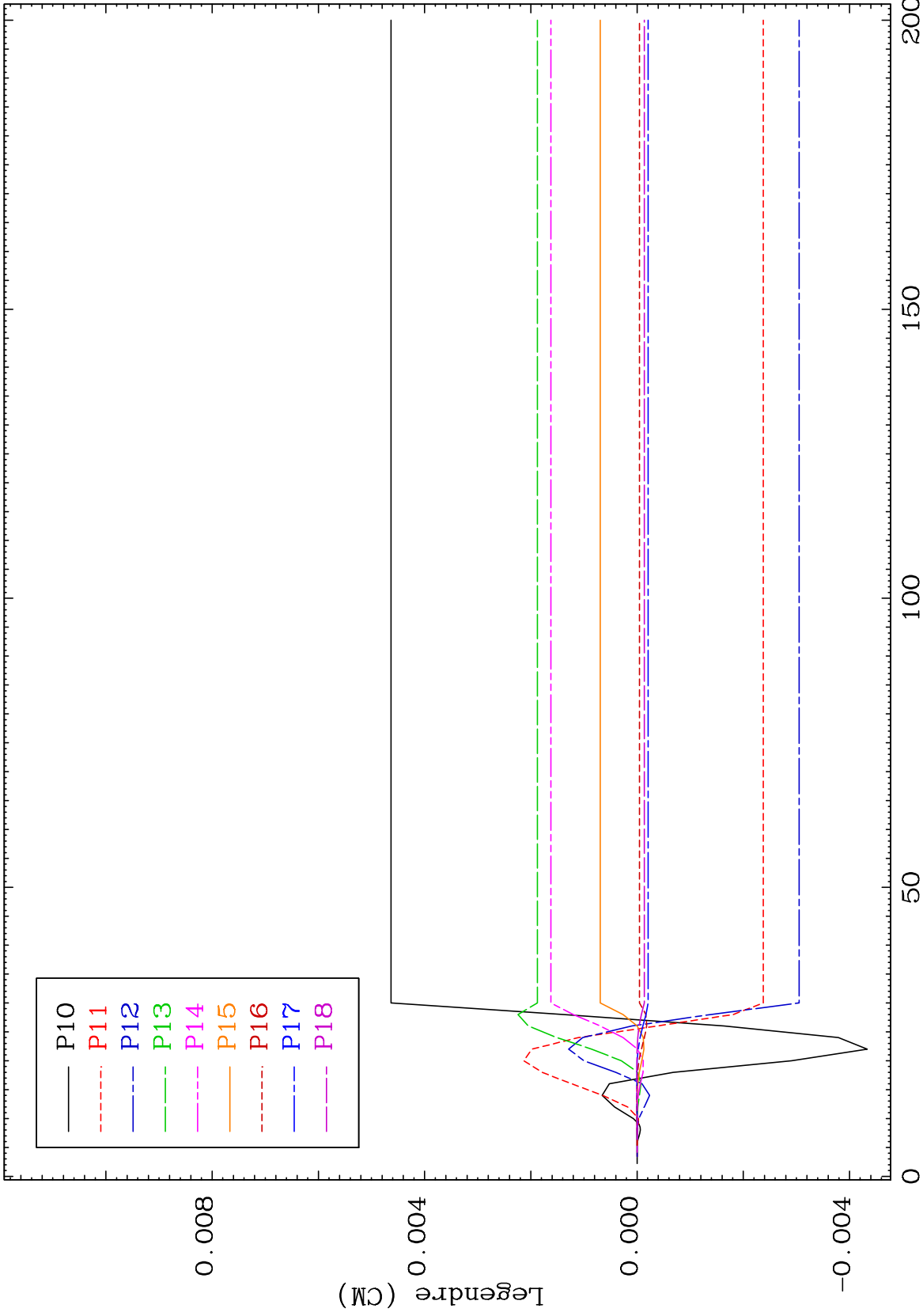
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



33

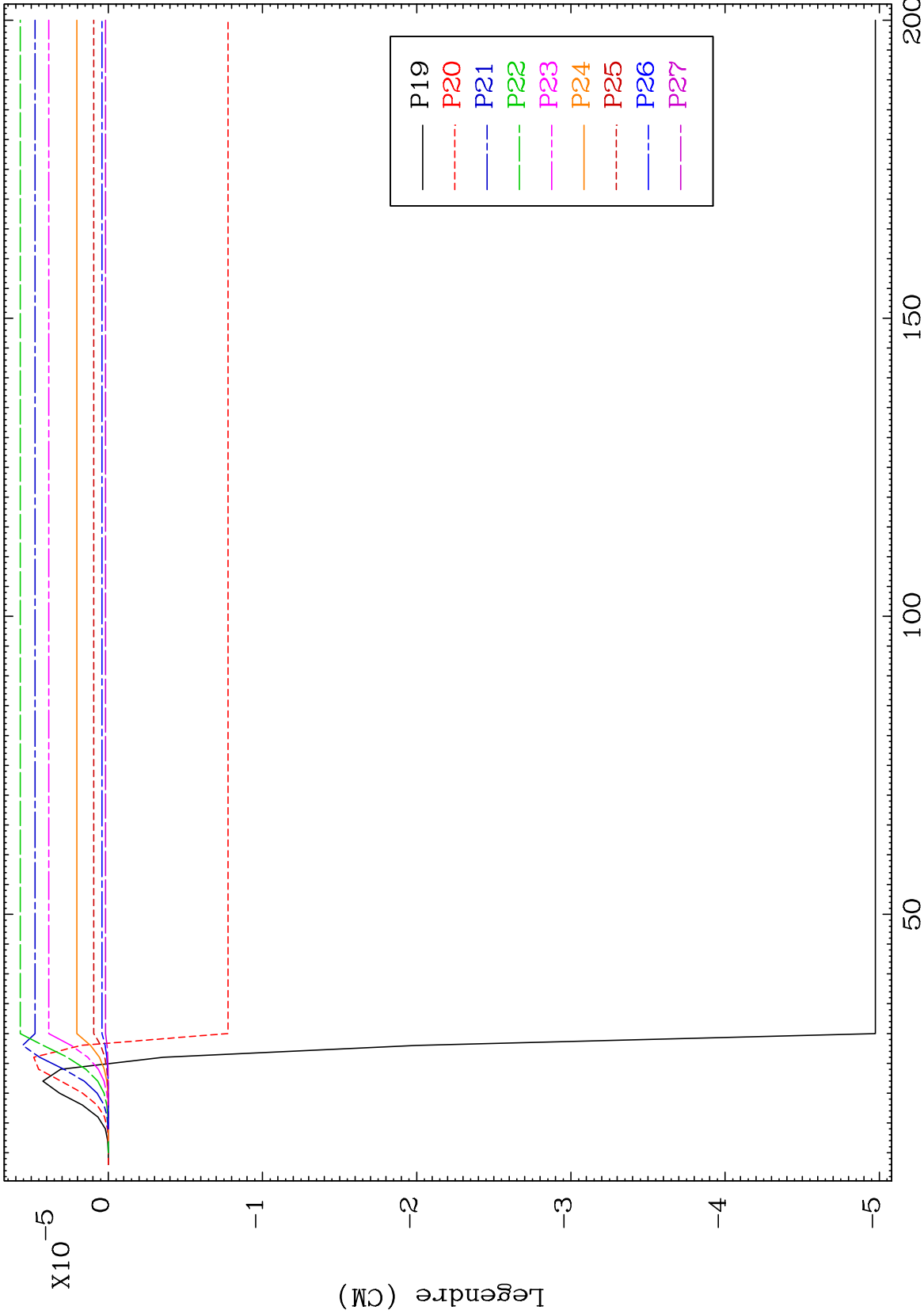
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



34

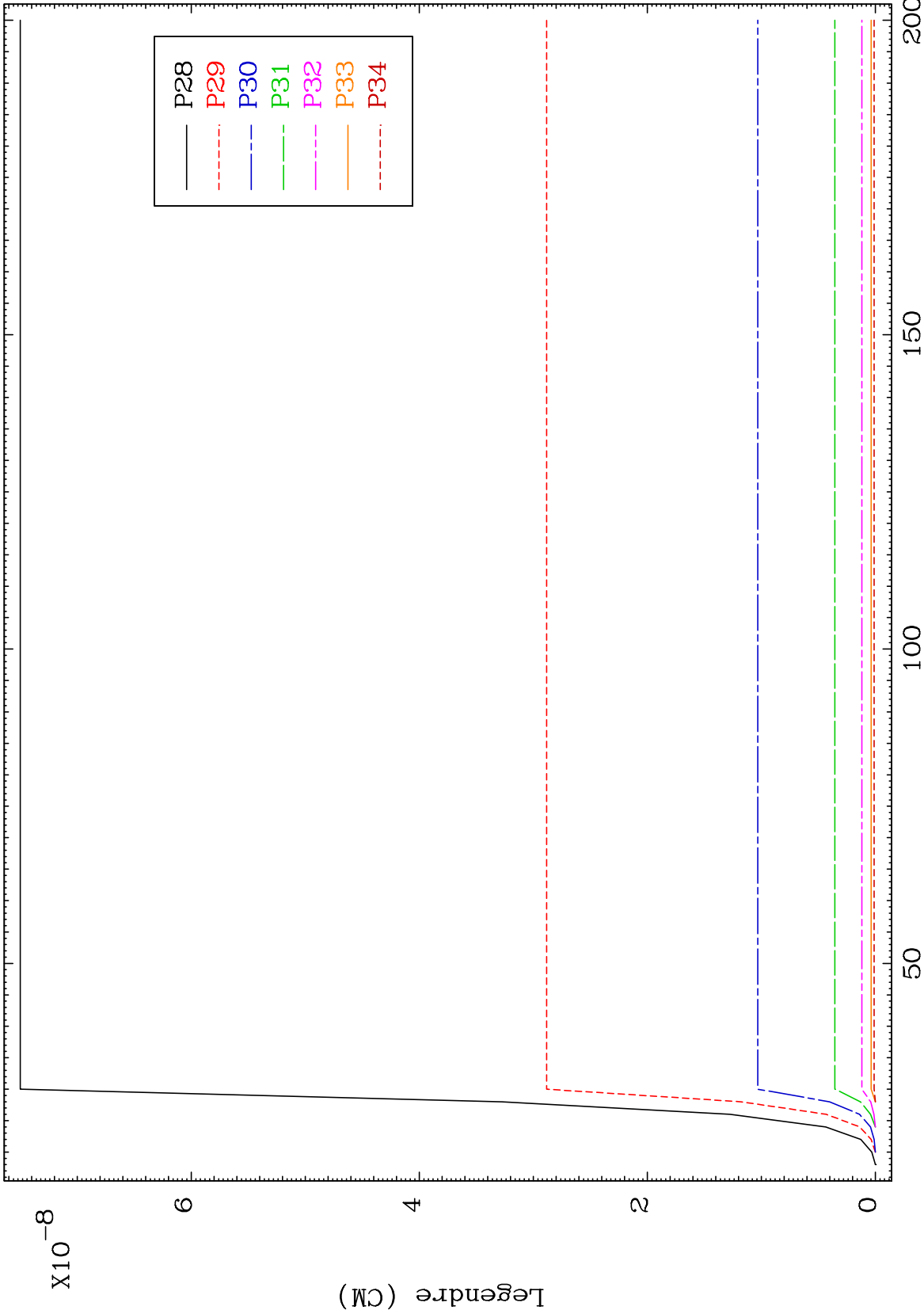
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



35

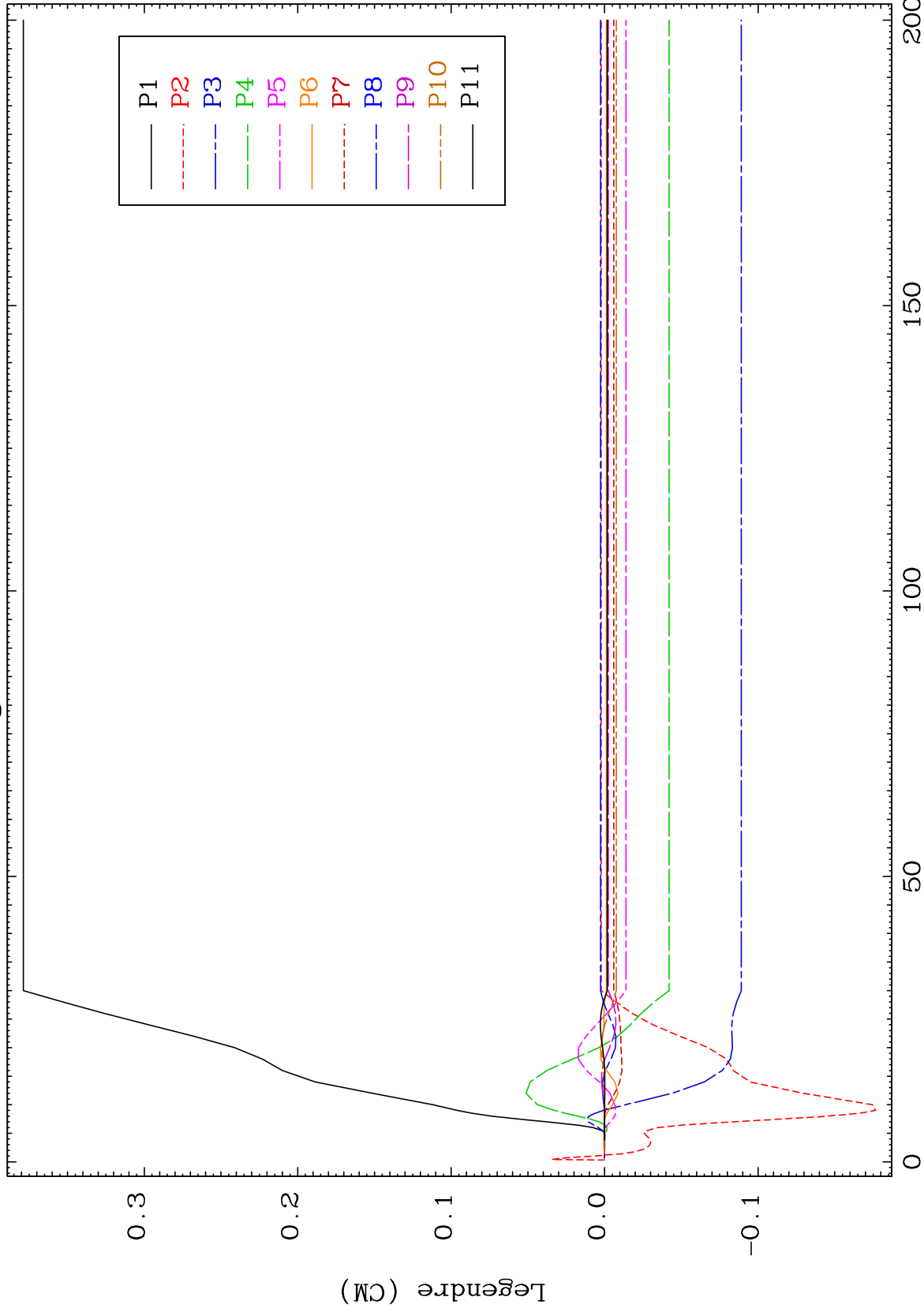
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



36

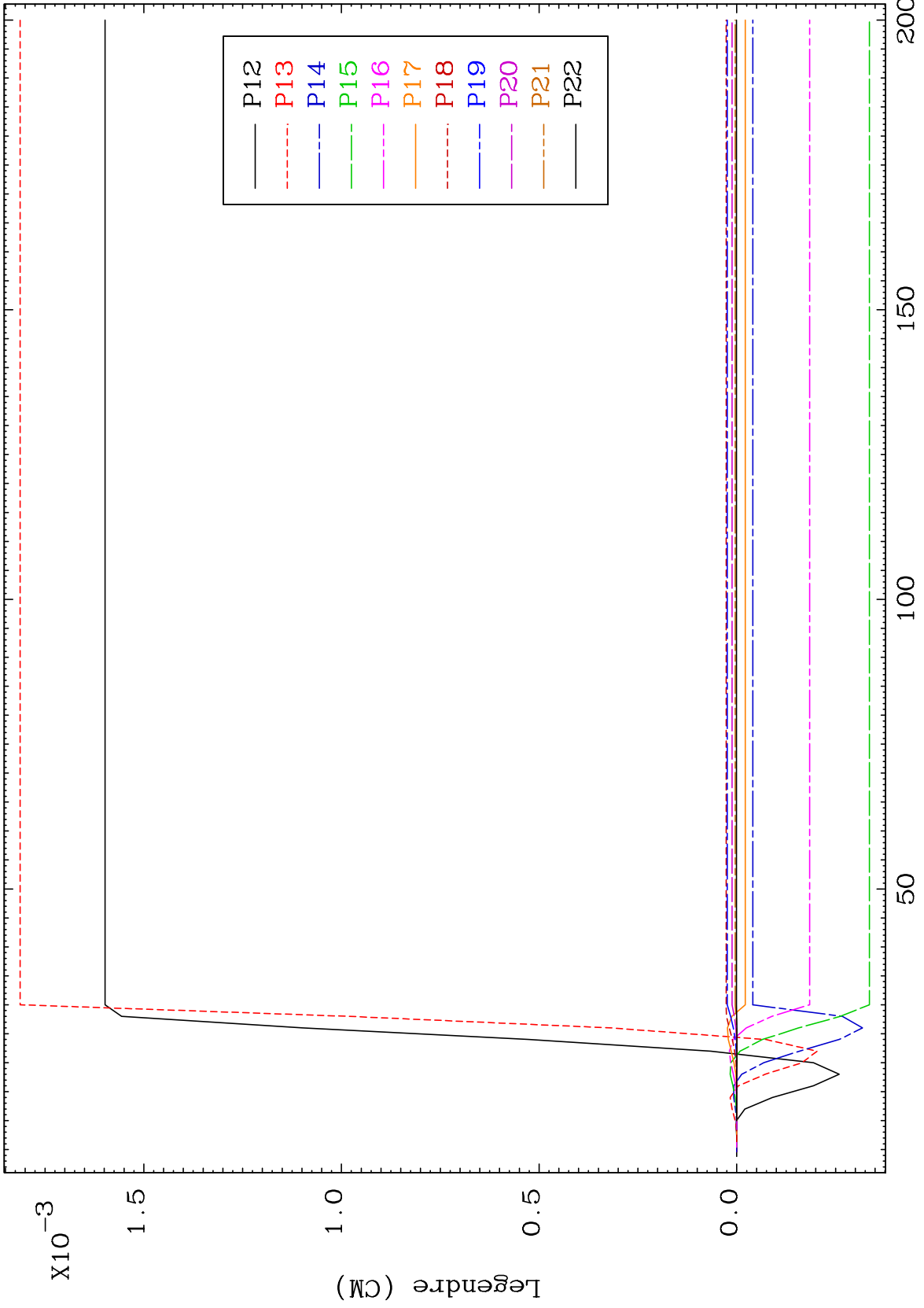
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



37

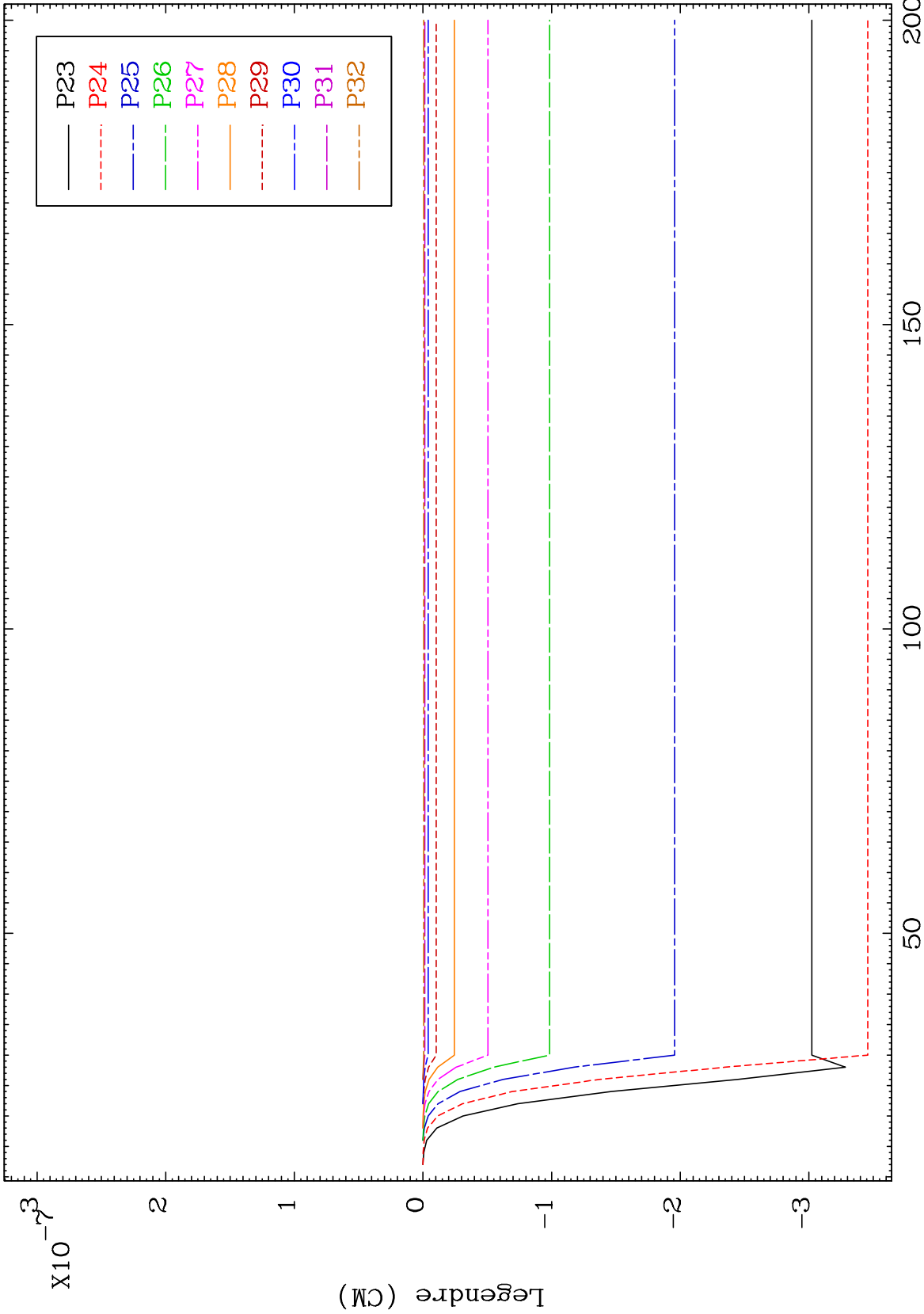
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



38

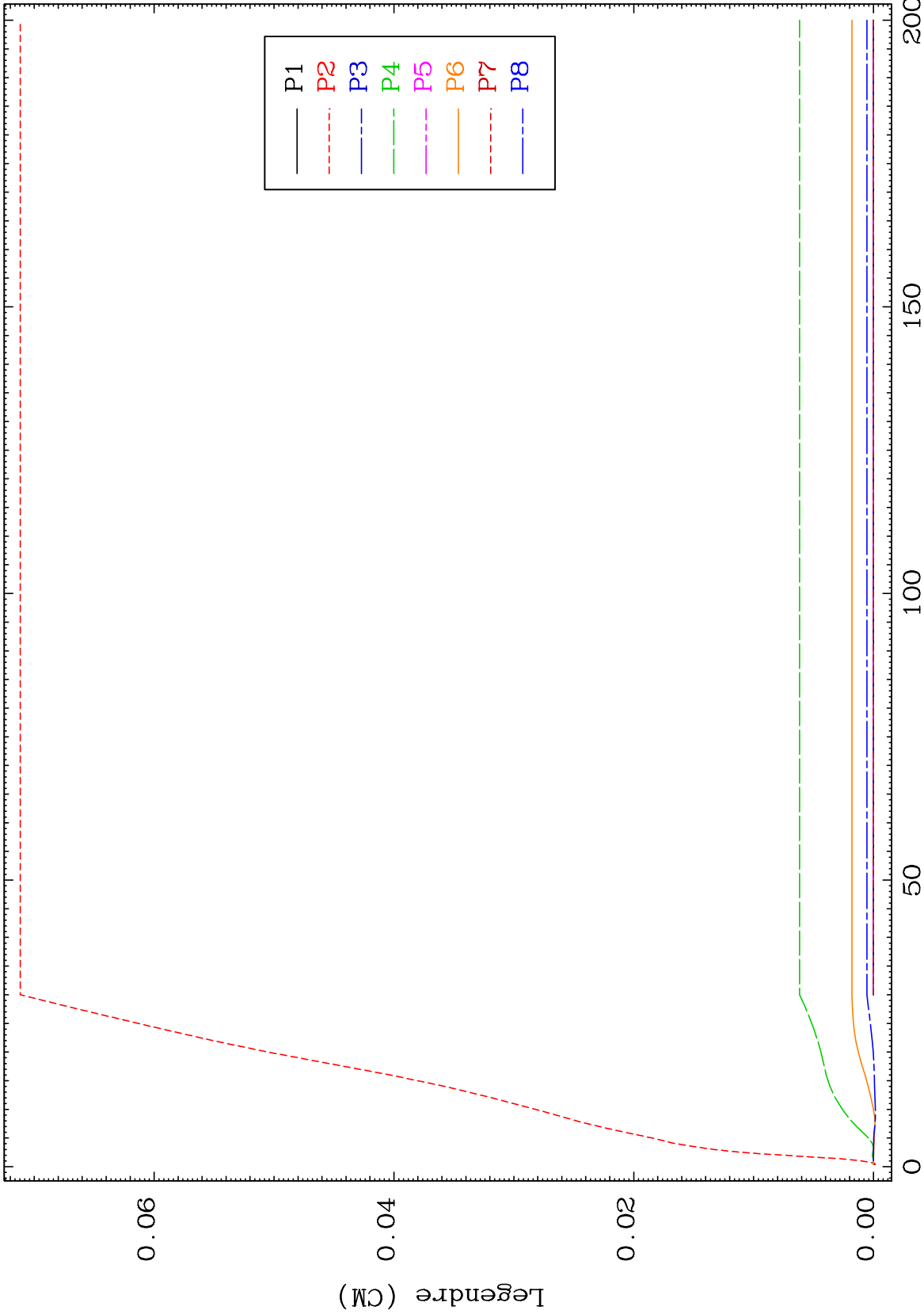
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



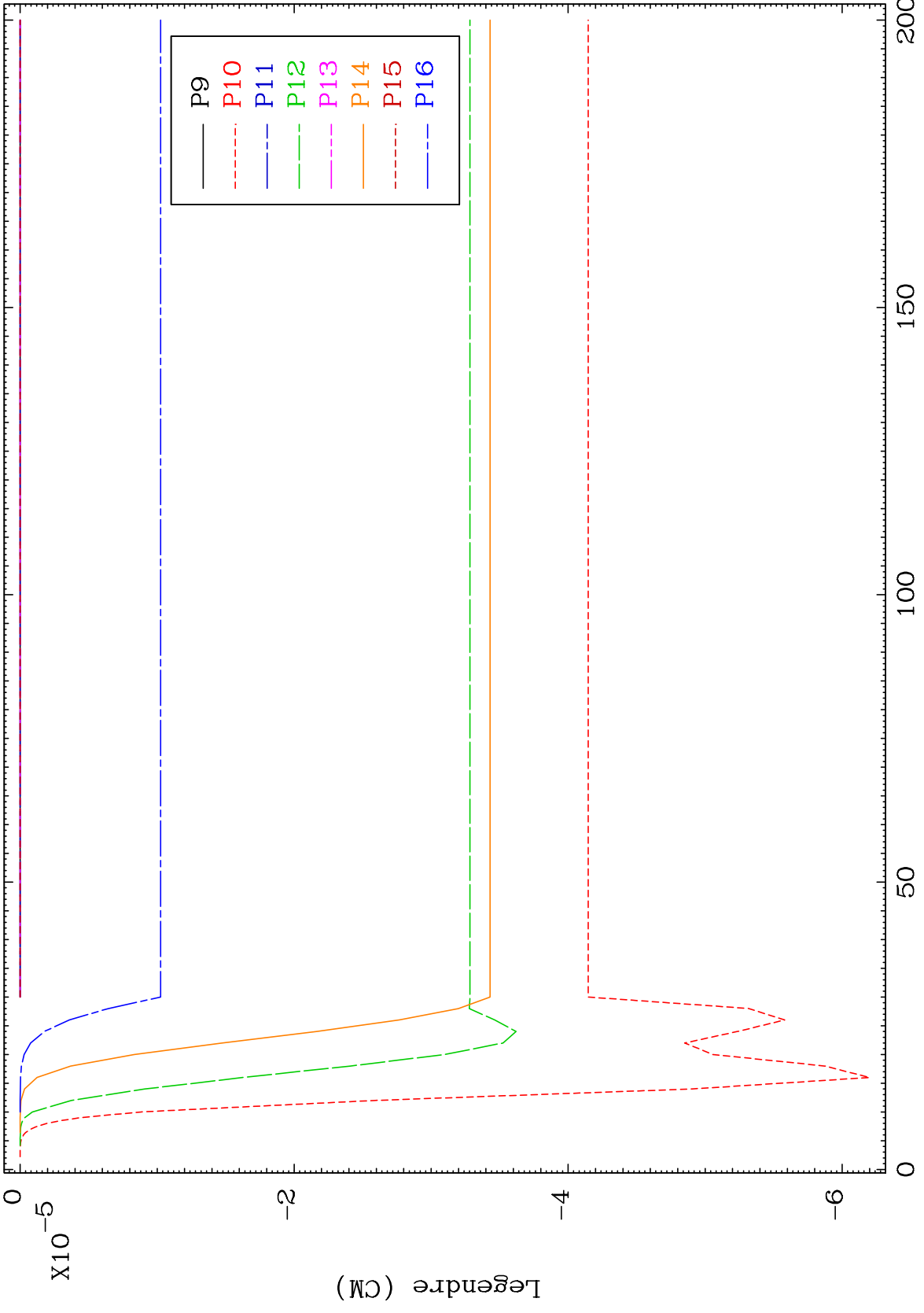
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Incident Energy (MeV)

39-Y -86



MAT 3916 MT= 57 (n,n') Level Legendre Coefficients 39-Y -86

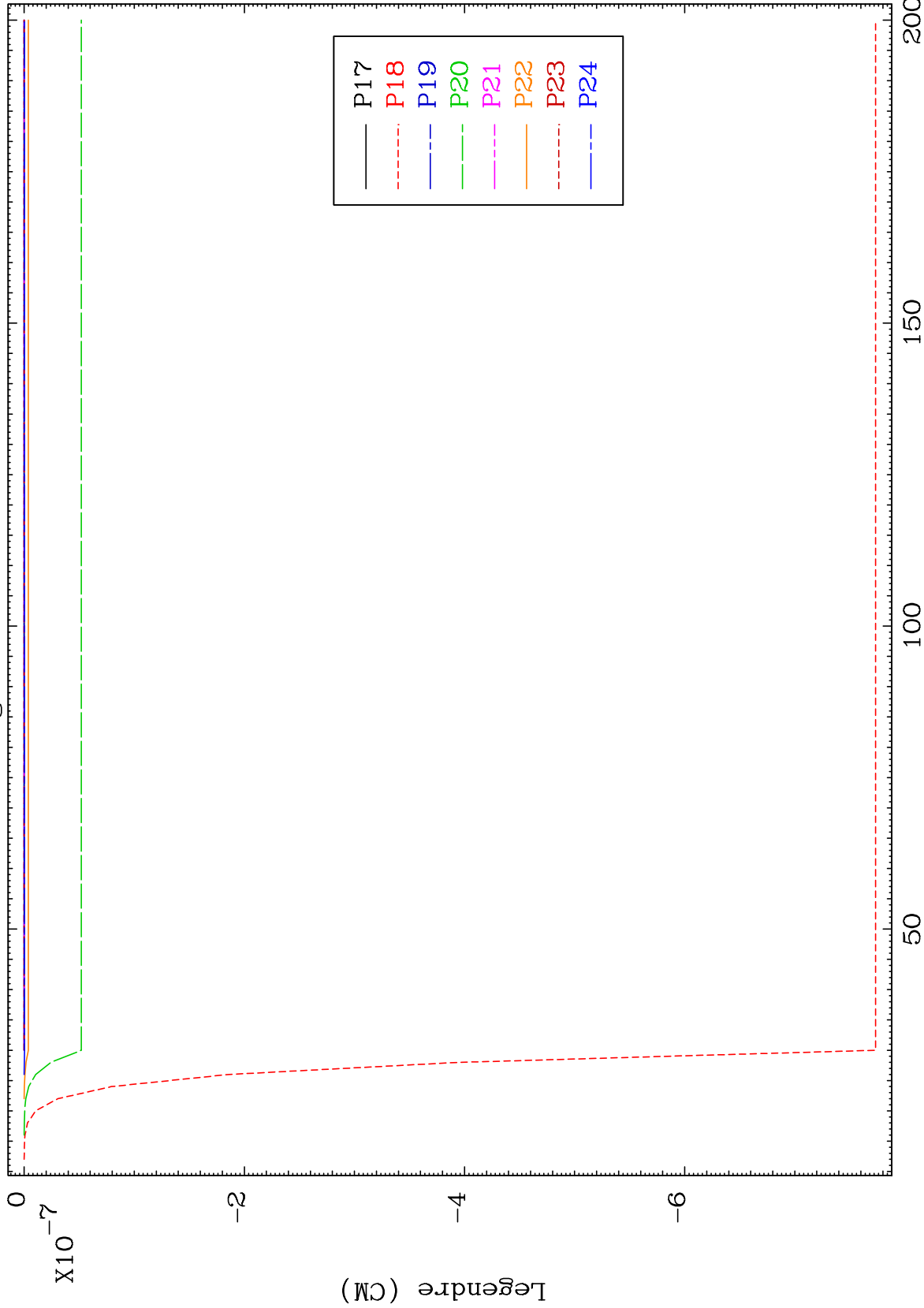


39-Y -86

MAT 3916

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

39-Y -86



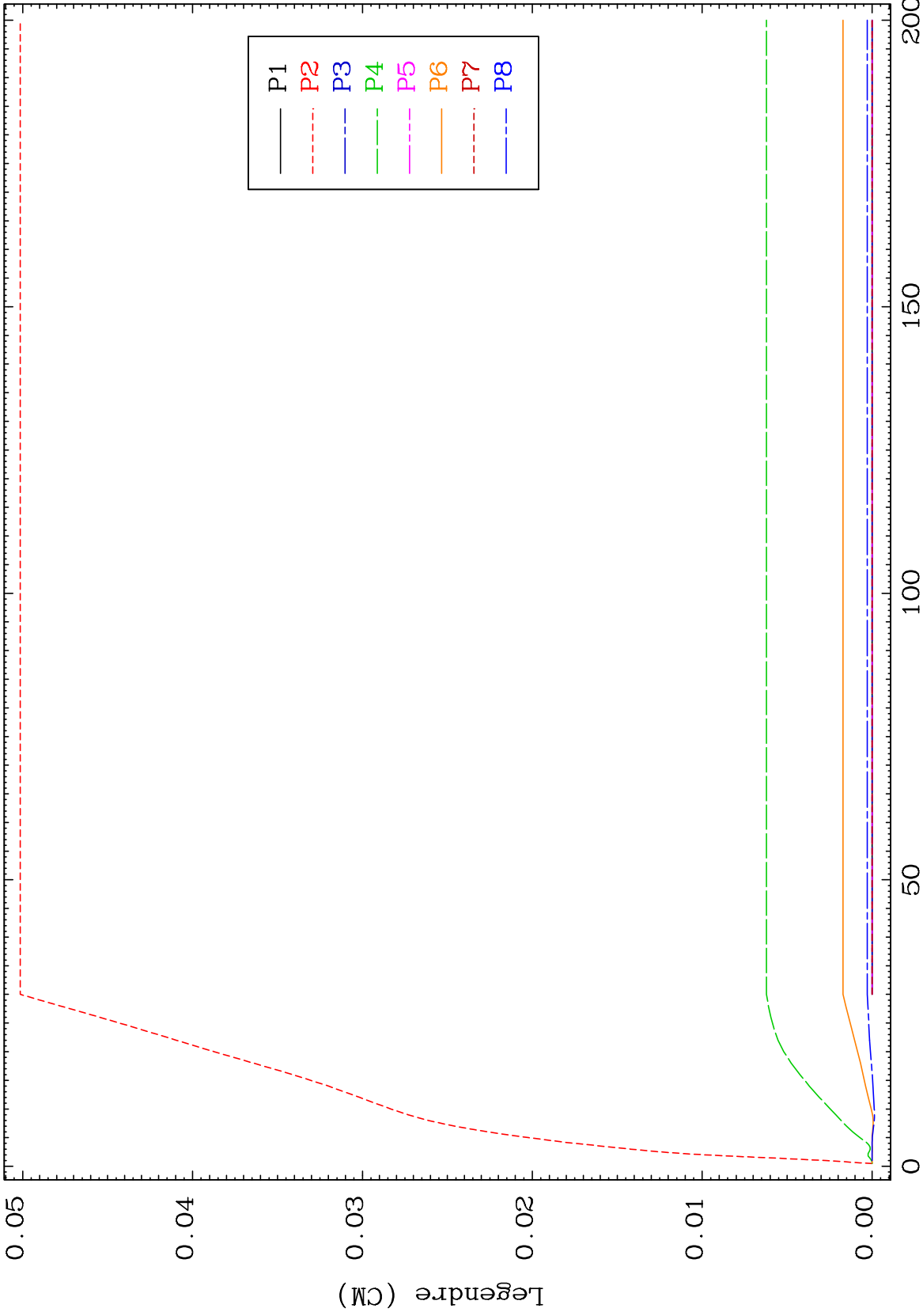
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Incident Energy (MeV)

39-Y -86

MAT 3916 MT= 58 (n,n') Level Legendre Coefficients

39-Y -86



39-Y -86

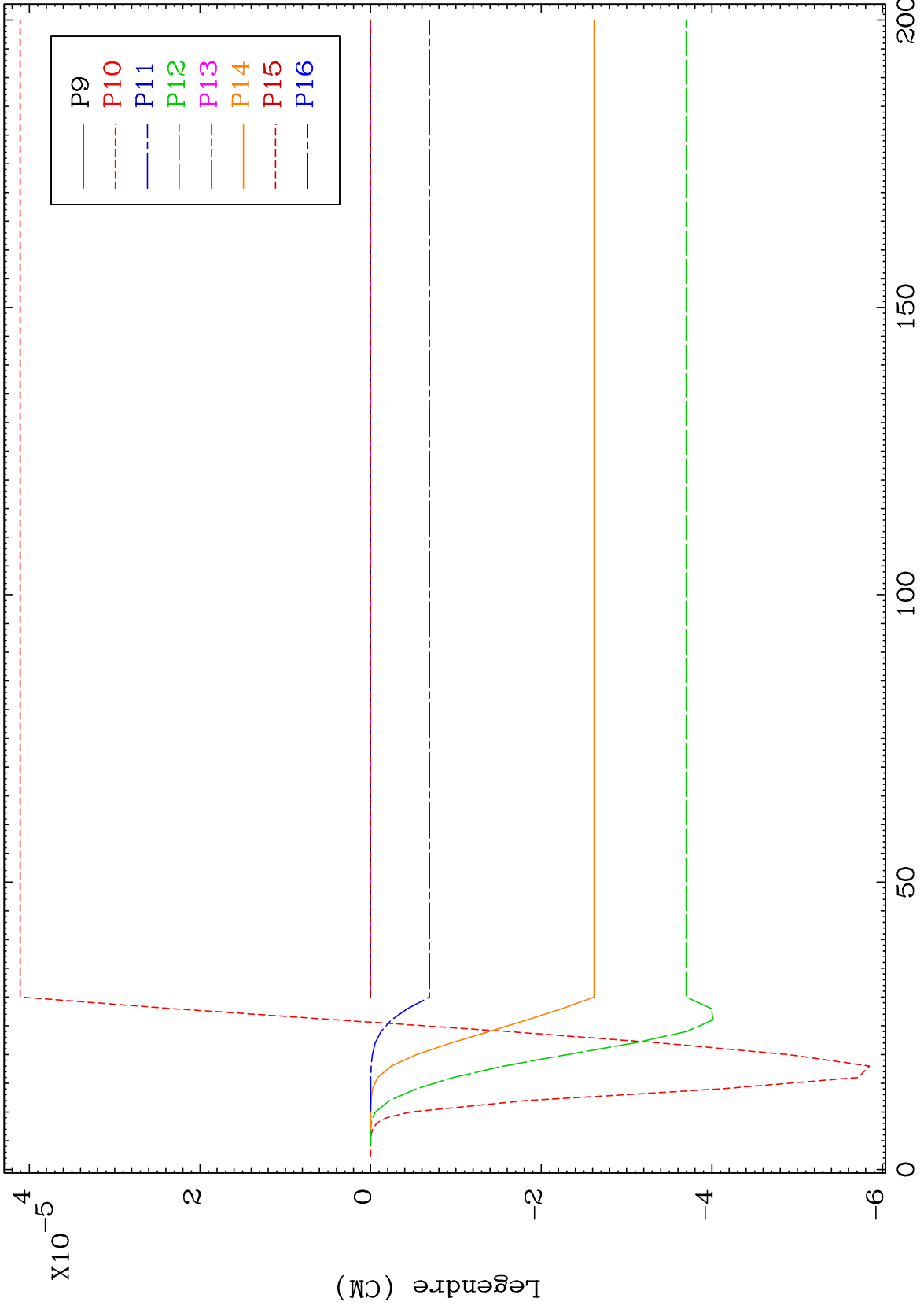
Incident Energy (MeV)

42

MAT 3916

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

39-Y -86



43

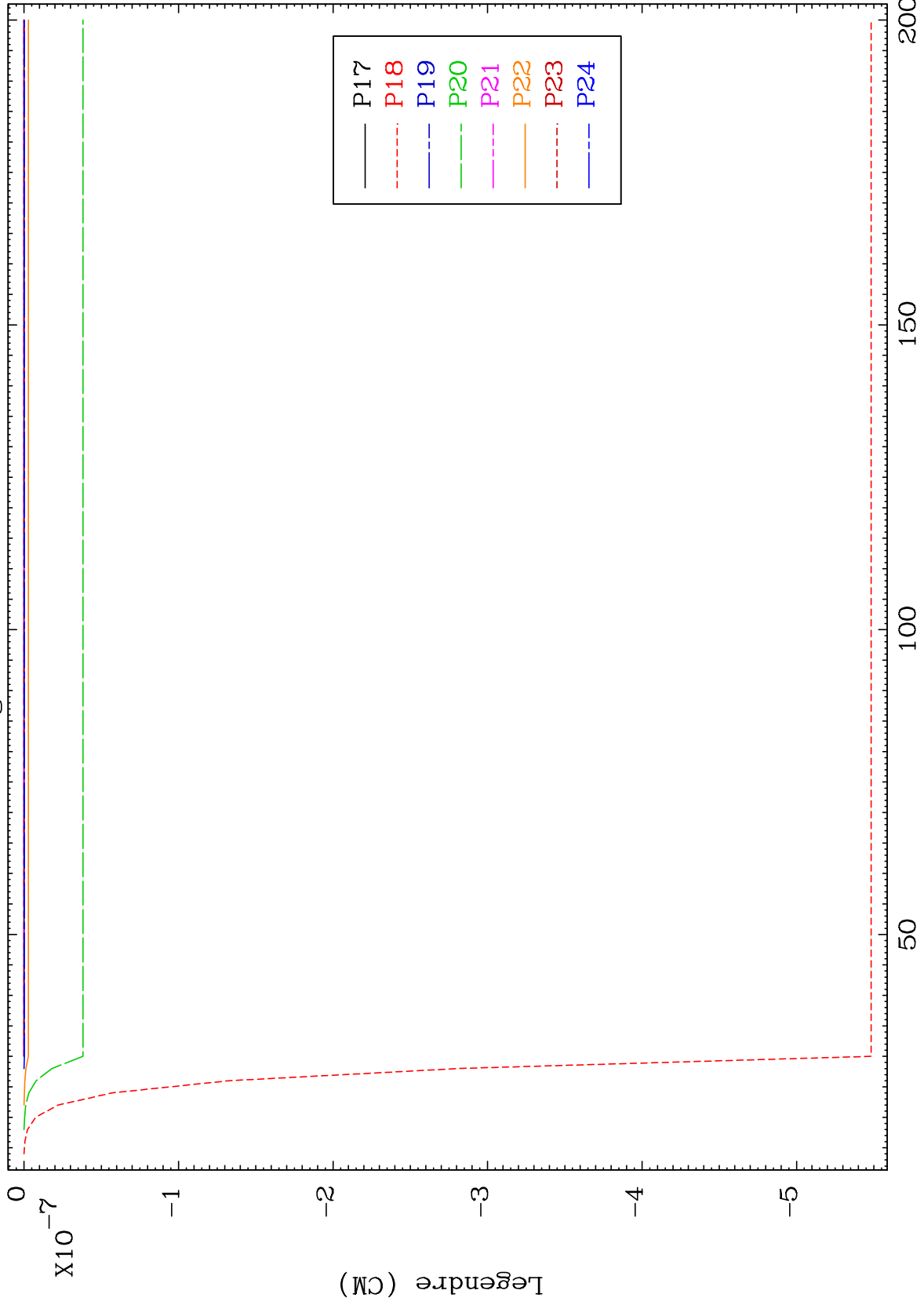
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39-Y -86

MAT 3916

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

39-Y -86



39-Y -86

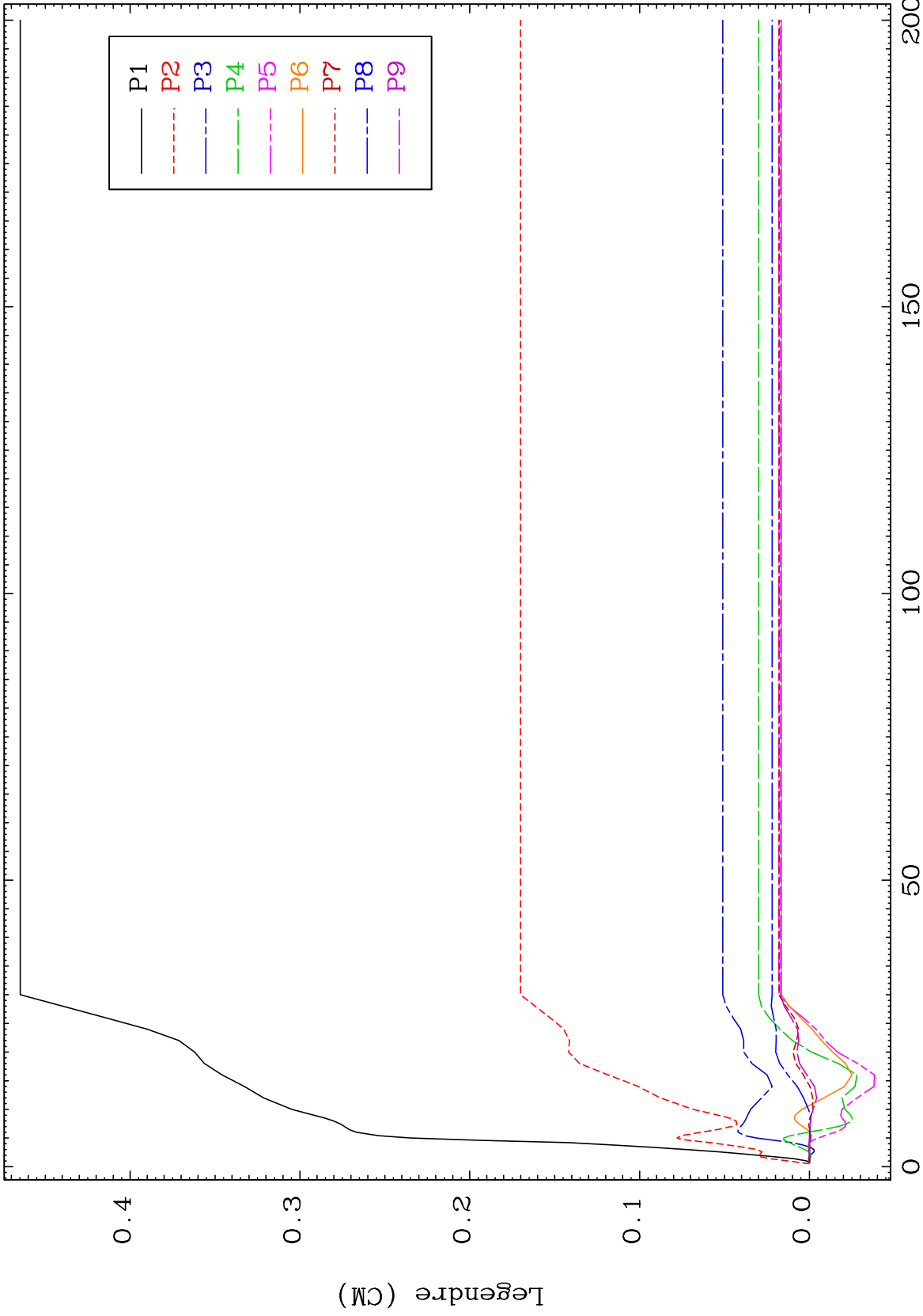
Incident Energy (MeV)

44

MAT 3916

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

39-Y -86



45

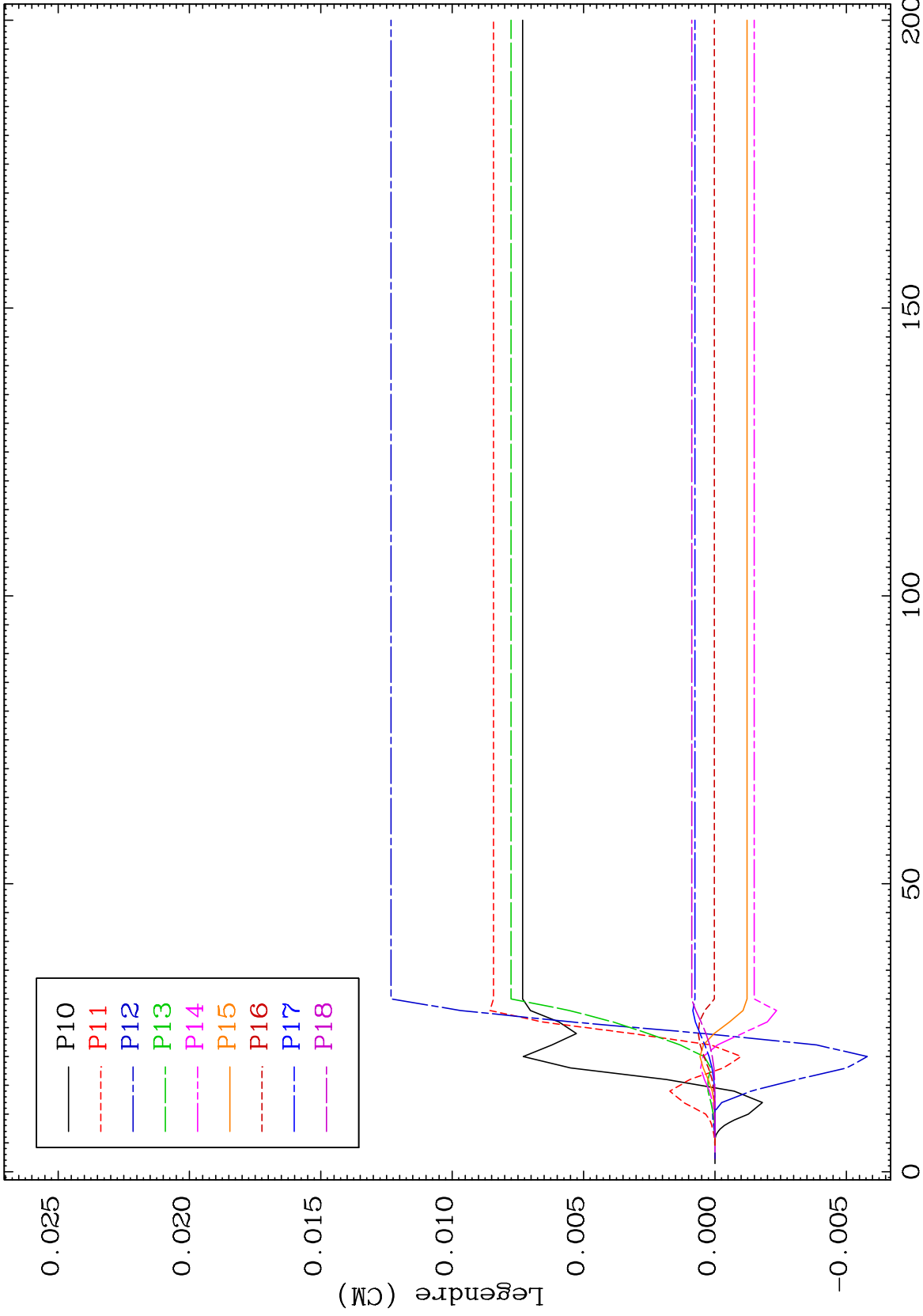
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



46

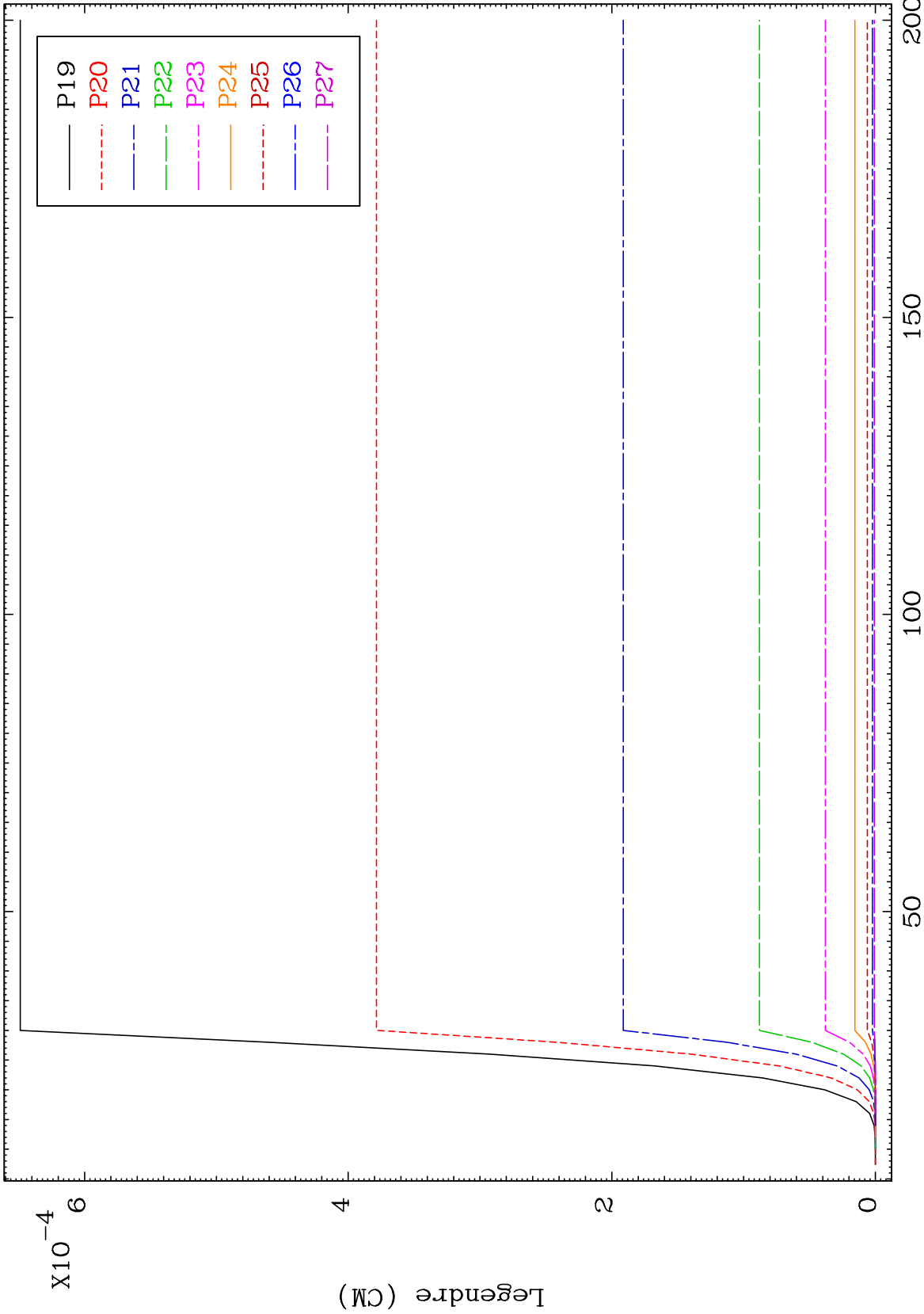
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



47

Incident Energy (MeV)

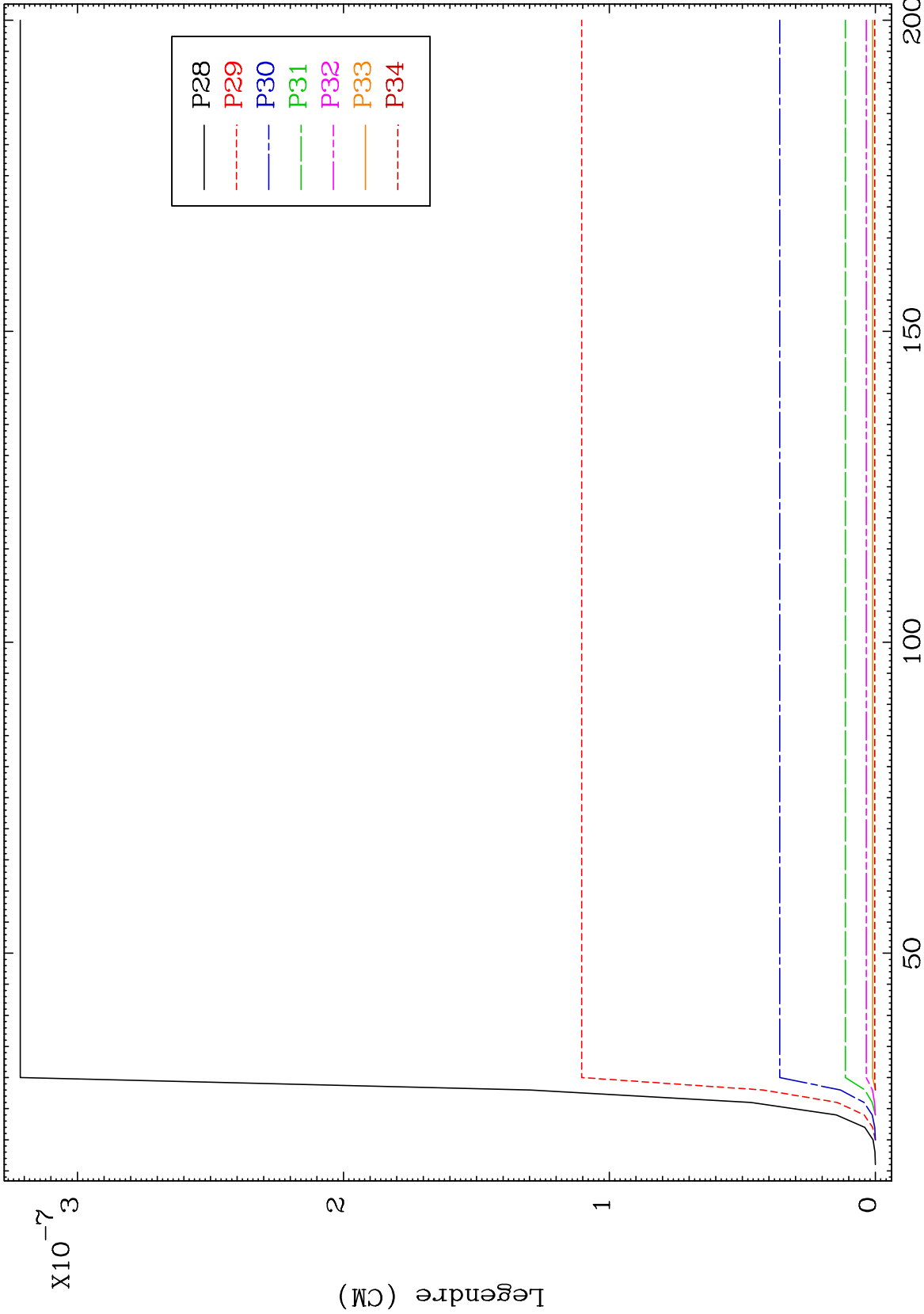
39-Y -86



MAT 3916

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

39-Y -86



48

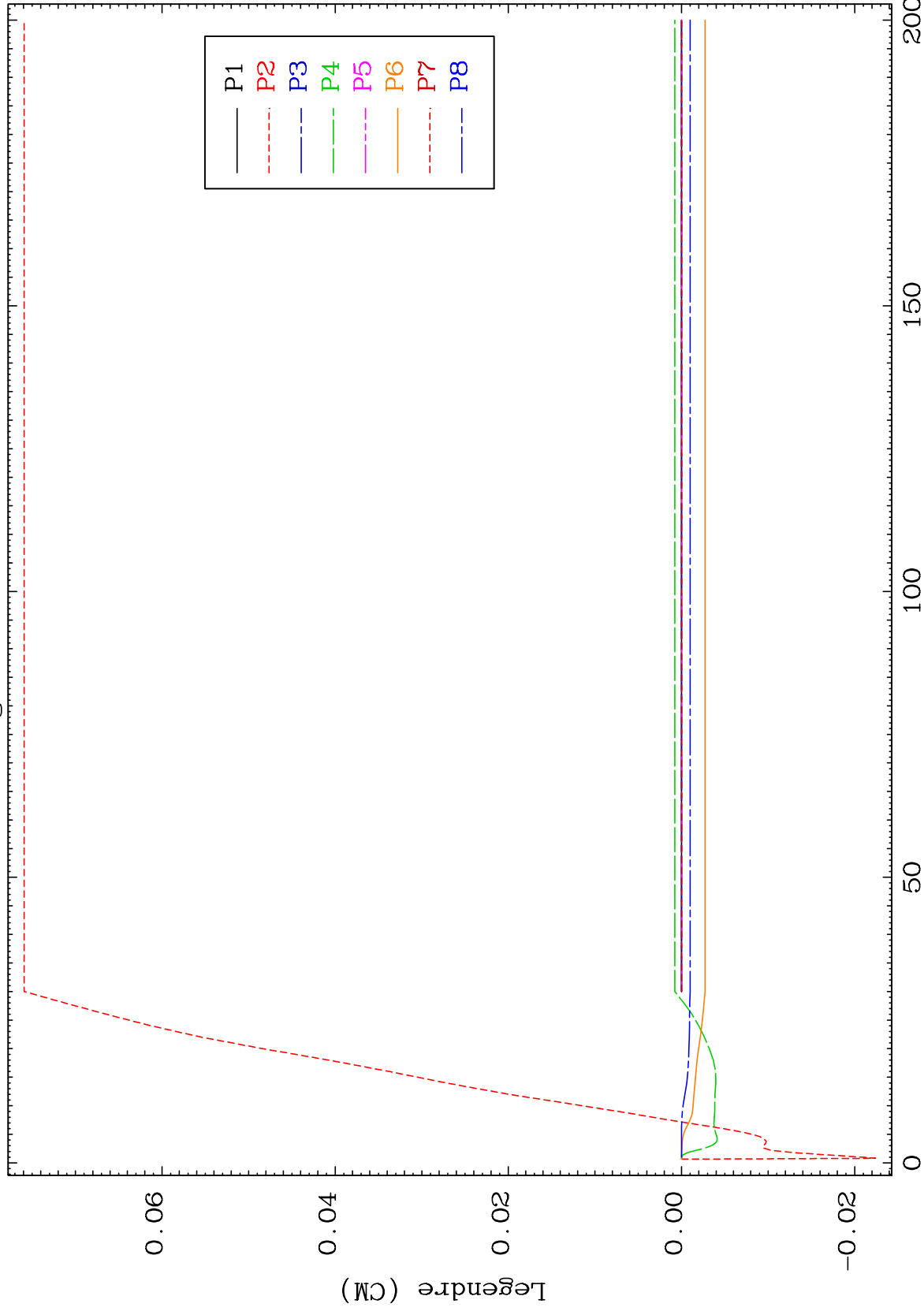
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



49

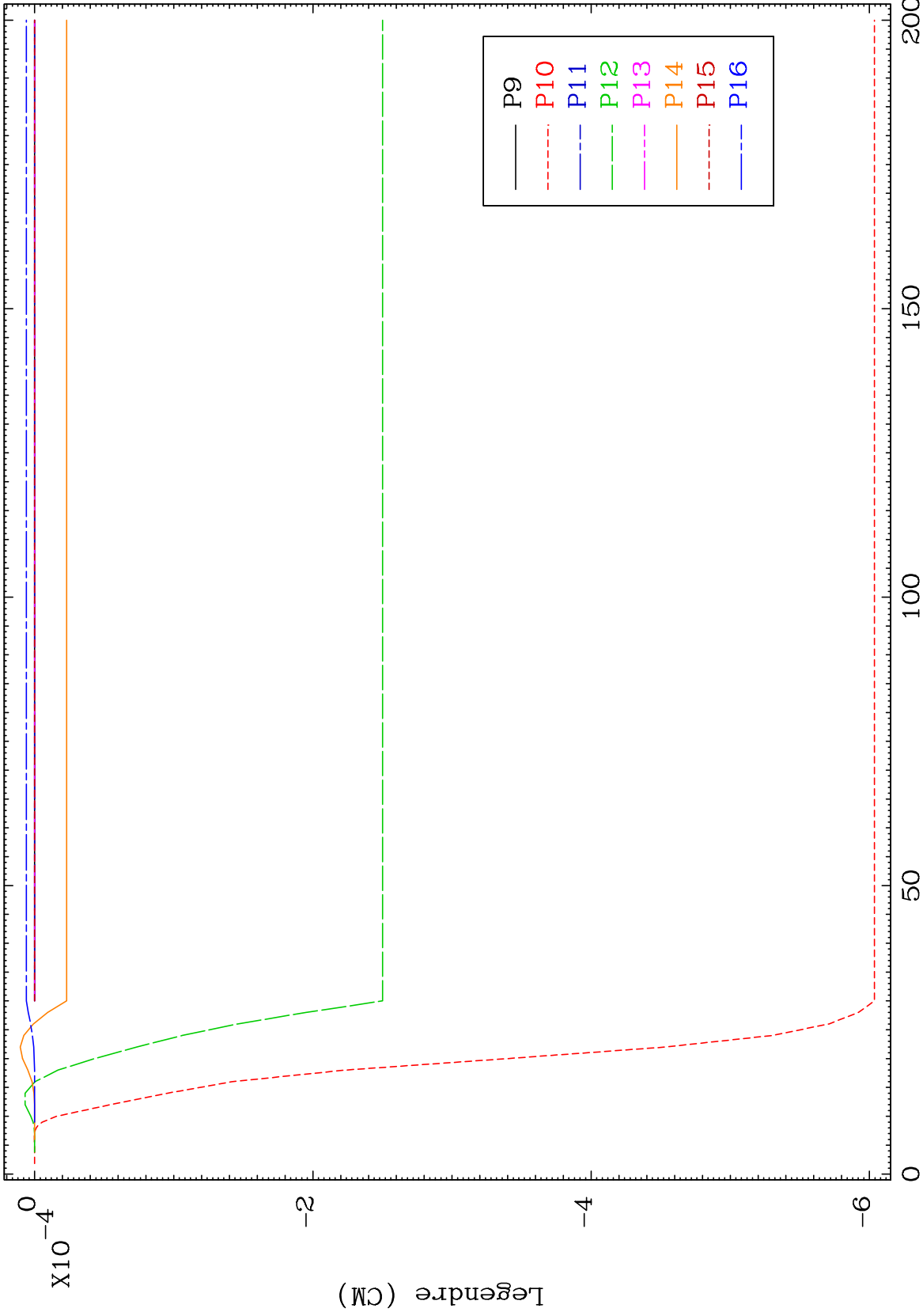
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



39-Y -86

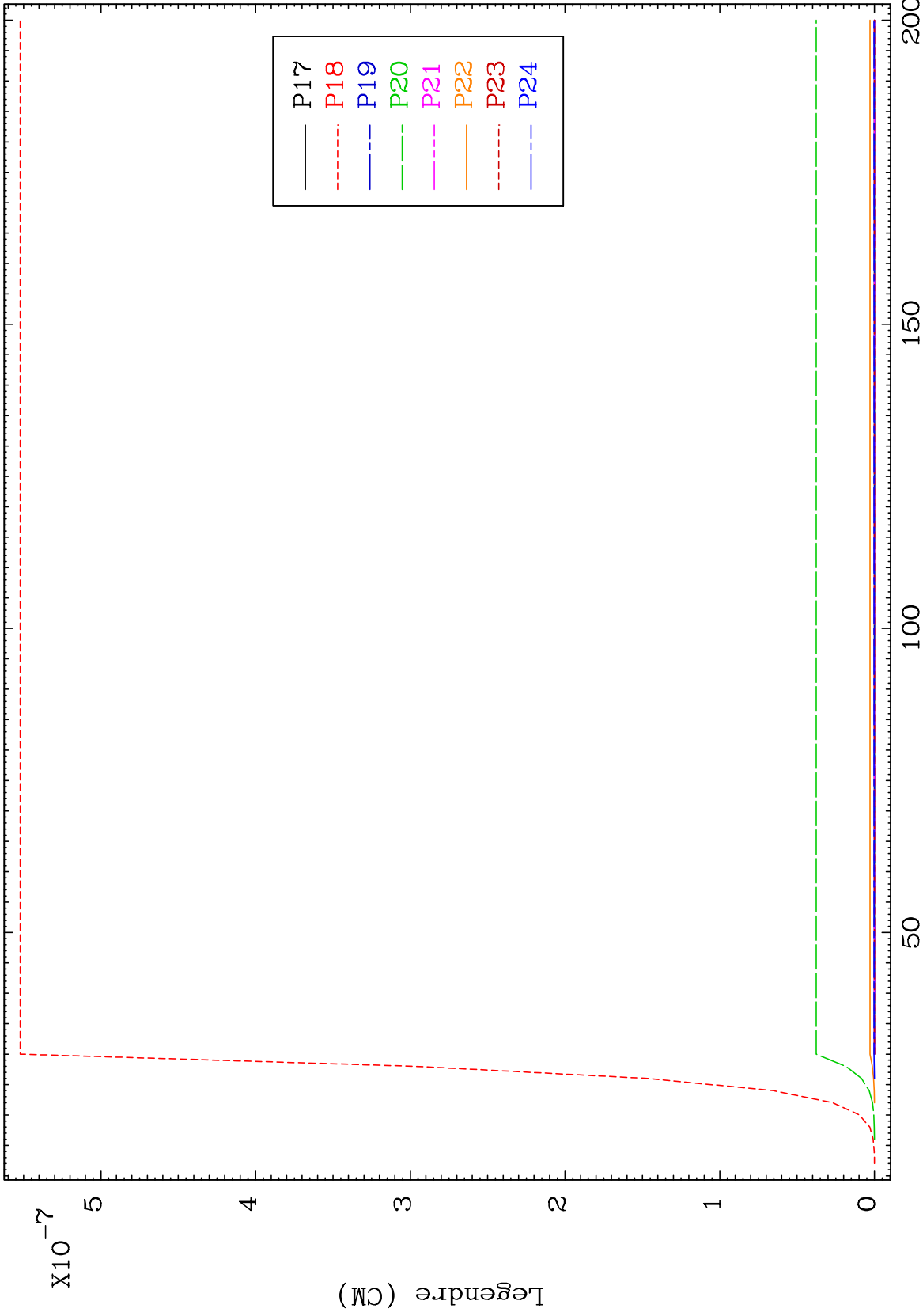
Incident Energy (MeV)

50

MAT 3916

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

39-Y -86



51

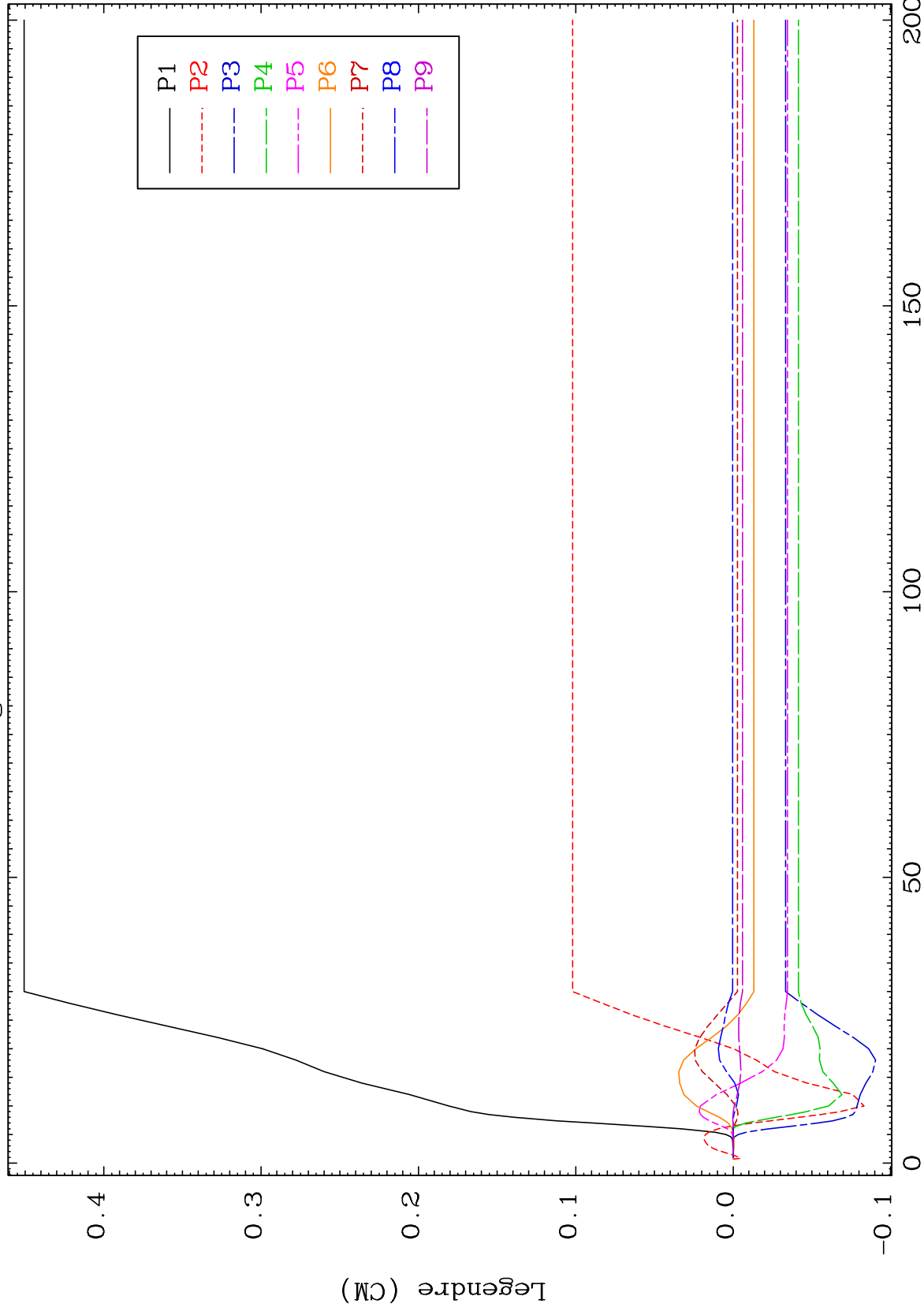
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86

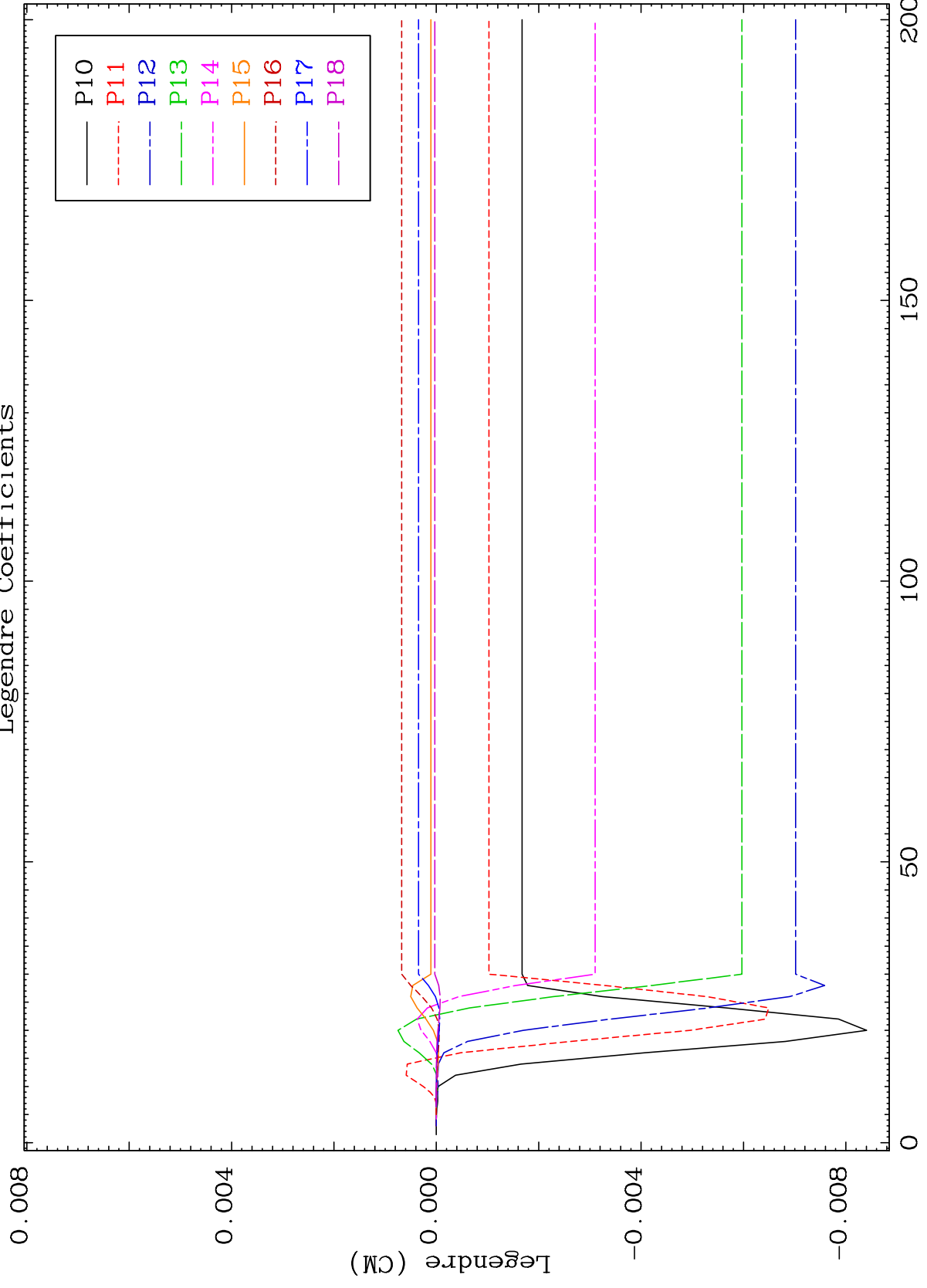


52

Incident Energy (MeV)

39-Y -86

MAT 3916 MT= 61 (n,n') Level Legendre Coefficients 39-Y -86

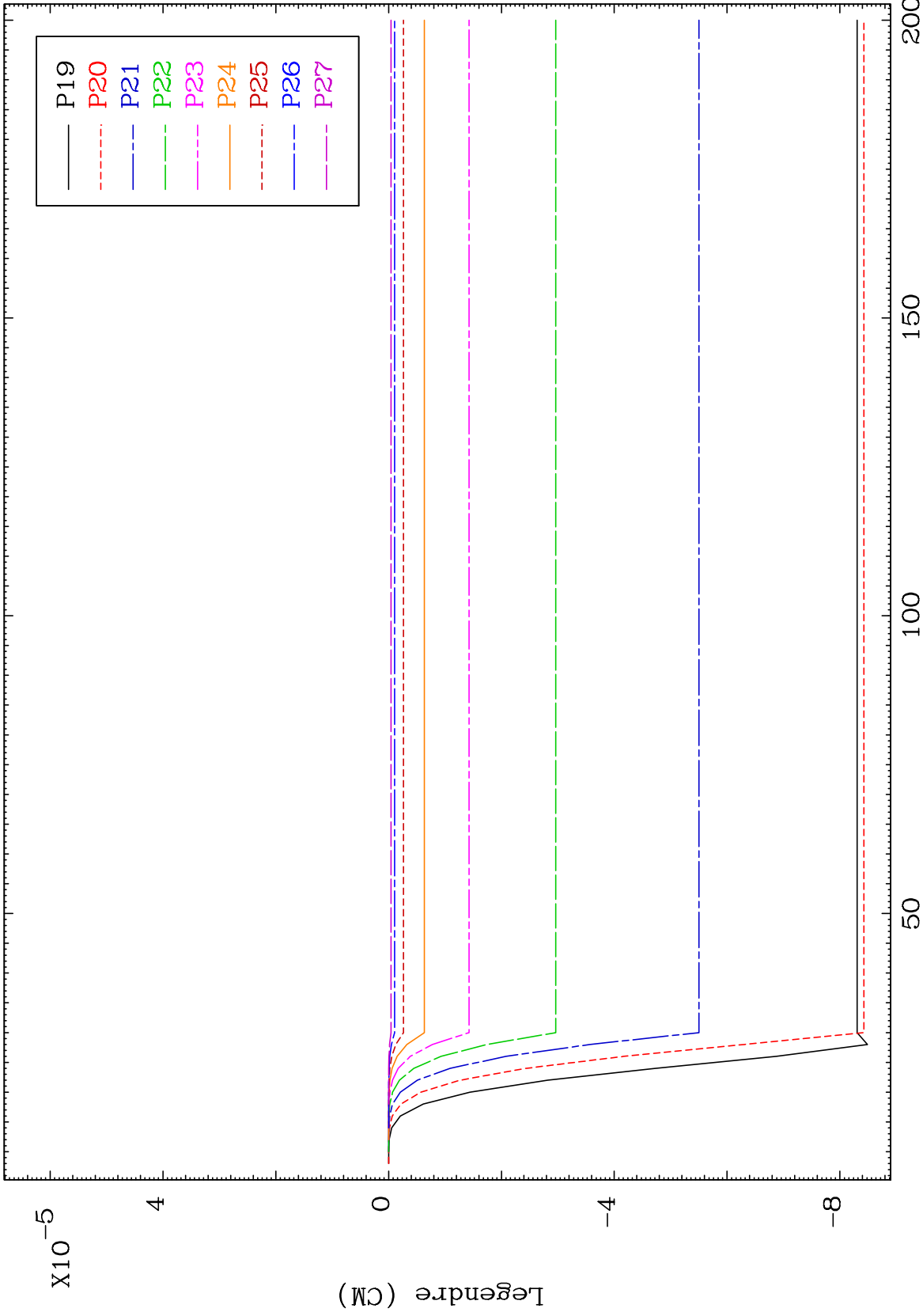


53 39-Y -86

MAT 3916

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

39-Y -86



54

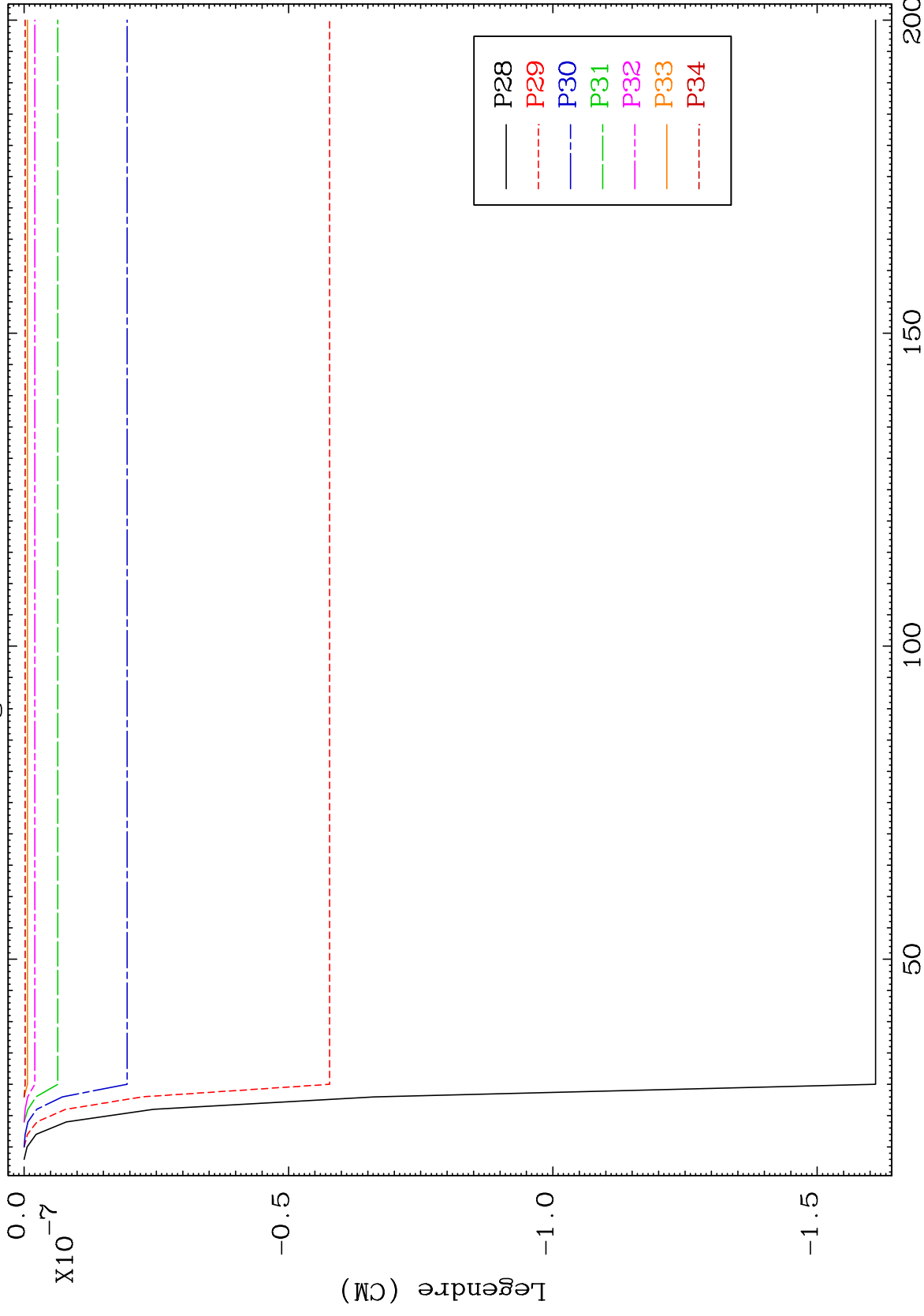
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



55

Incident Energy (MeV)

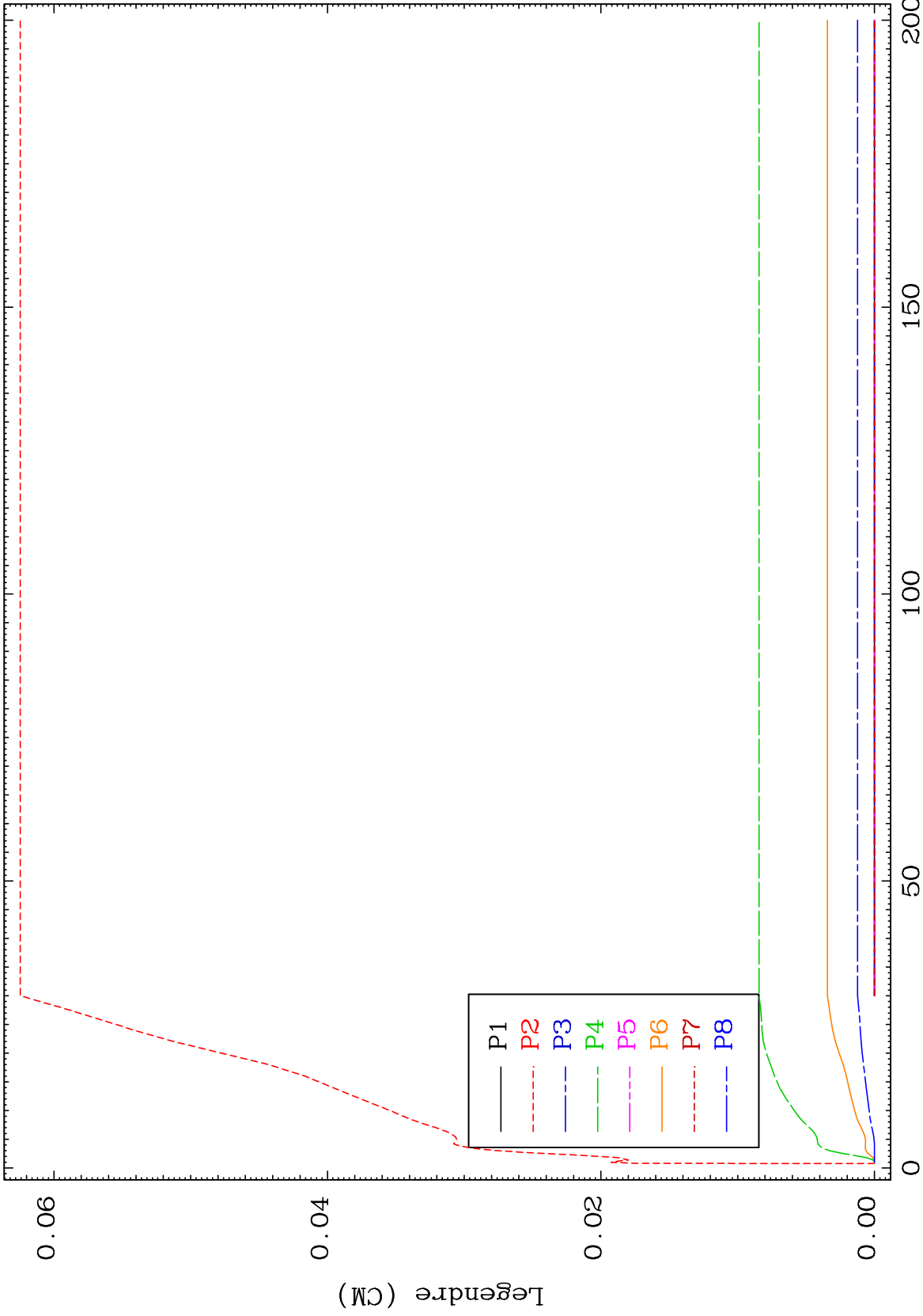
39-Y -86



MAT 3916

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

39-Y -86



56

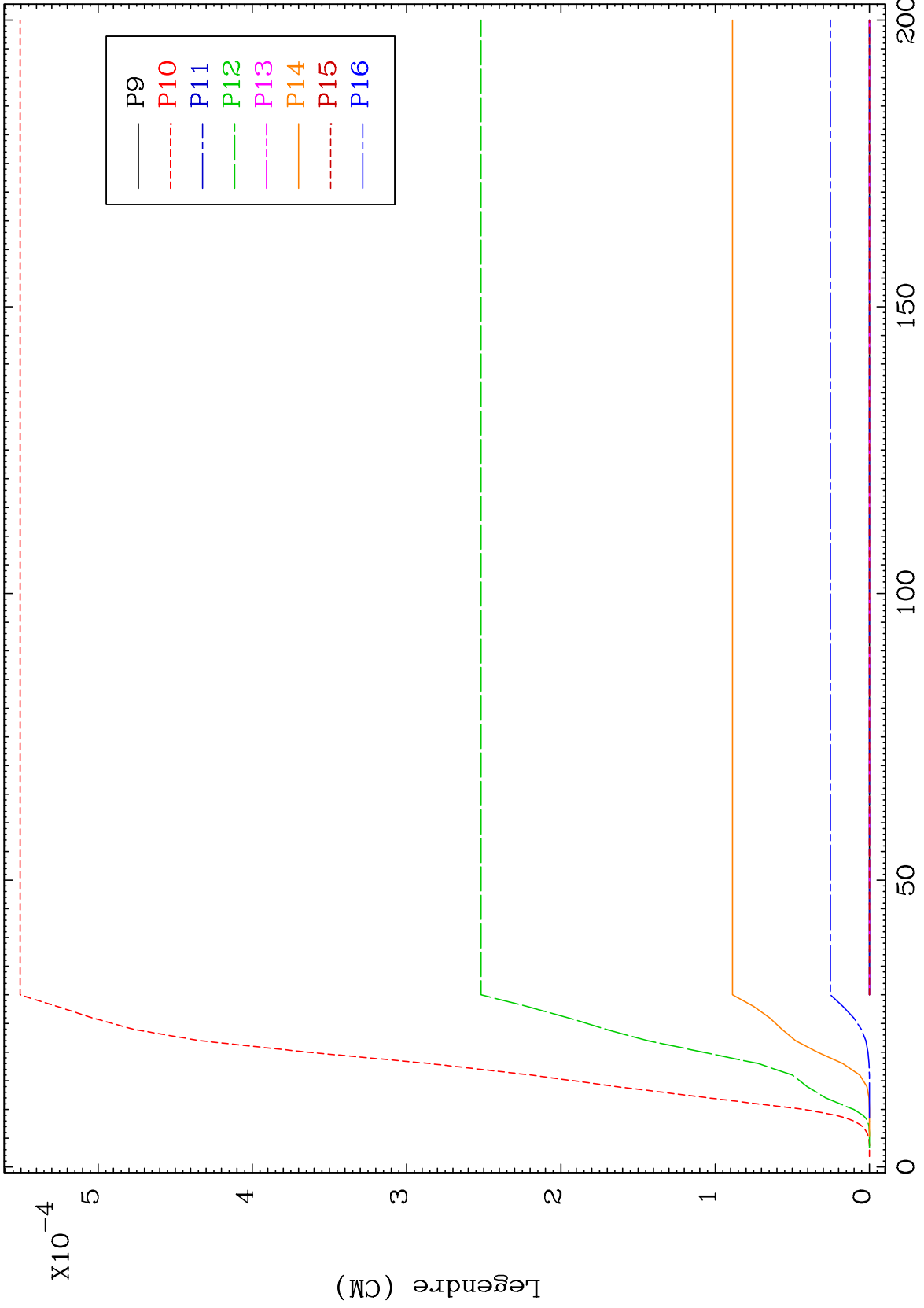
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



57

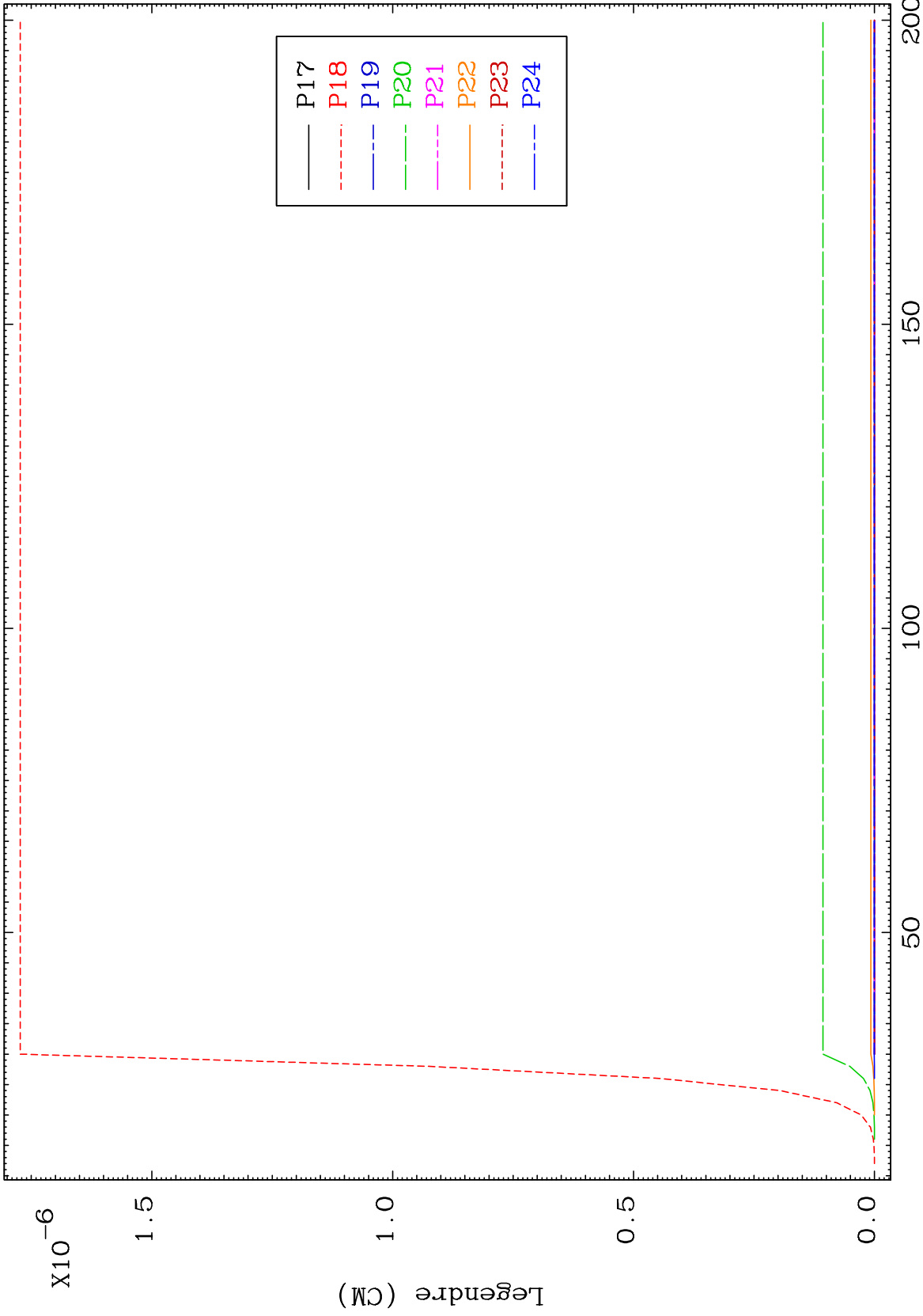
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



58

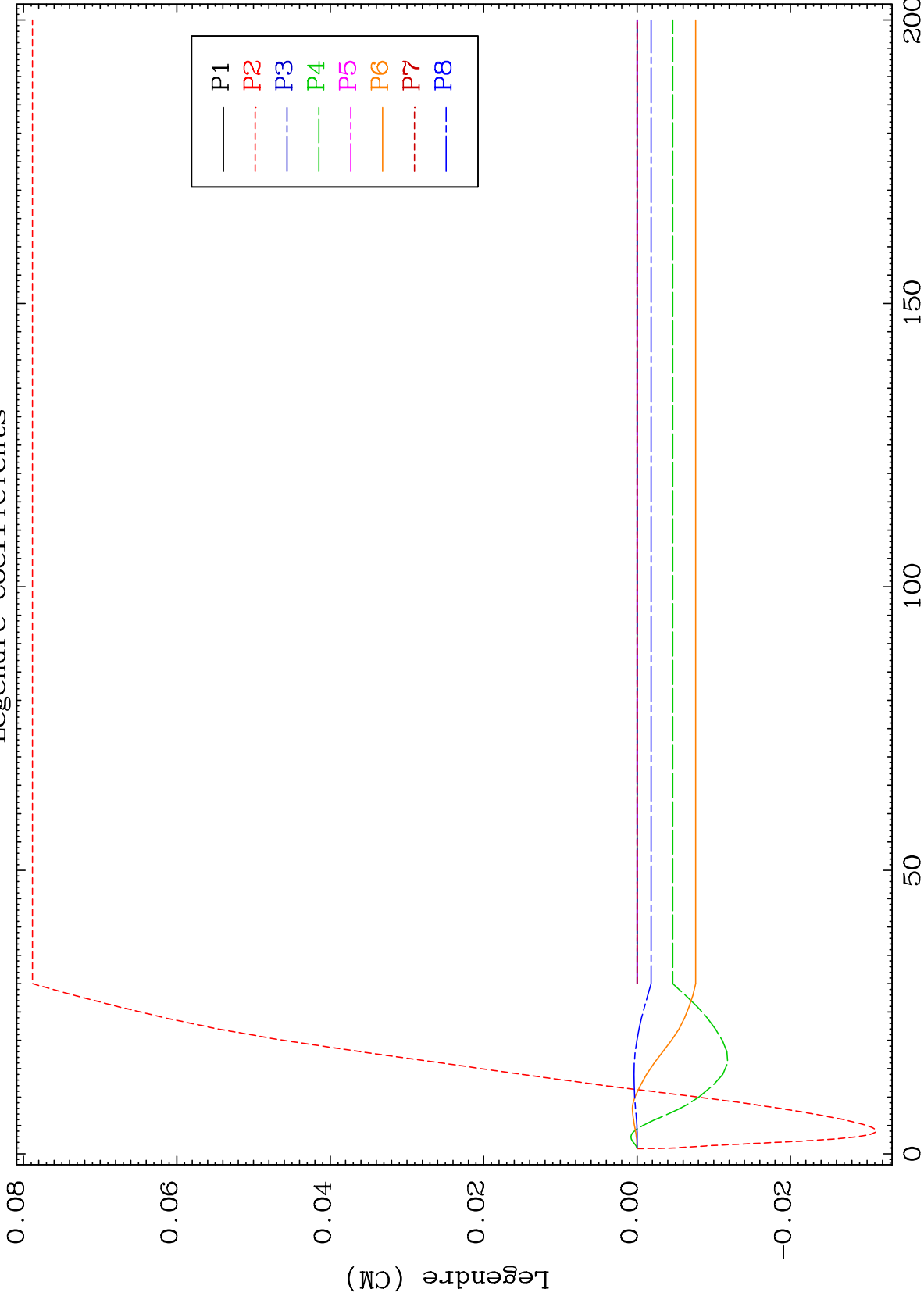
Incident Energy (MeV)

39-Y -86

MAT 3916 MT= 63 (n,n') Level Legendre Coefficients

39-Y -86

59



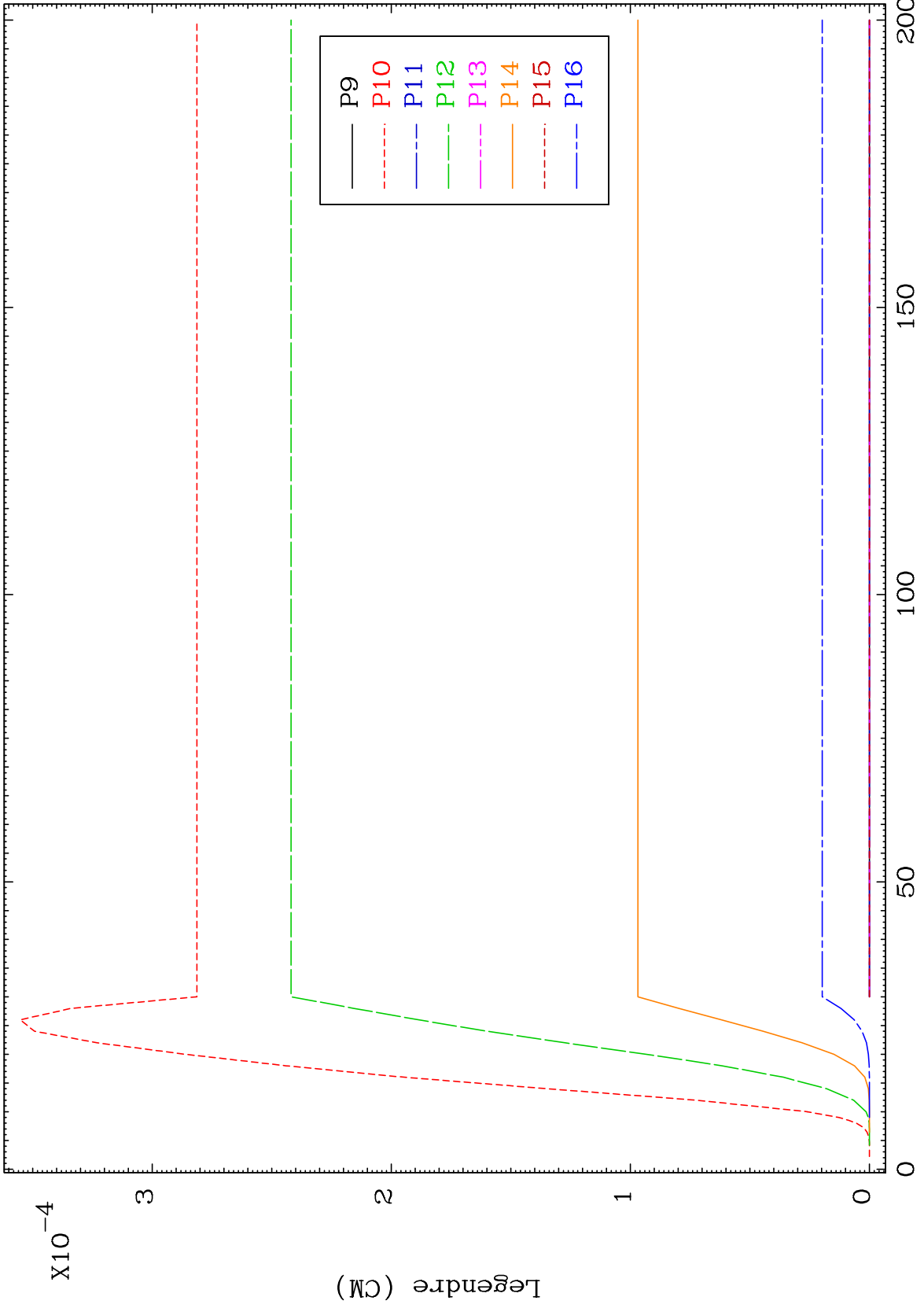
39-Y -86

59

MAT 3916

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

39-Y -86



60

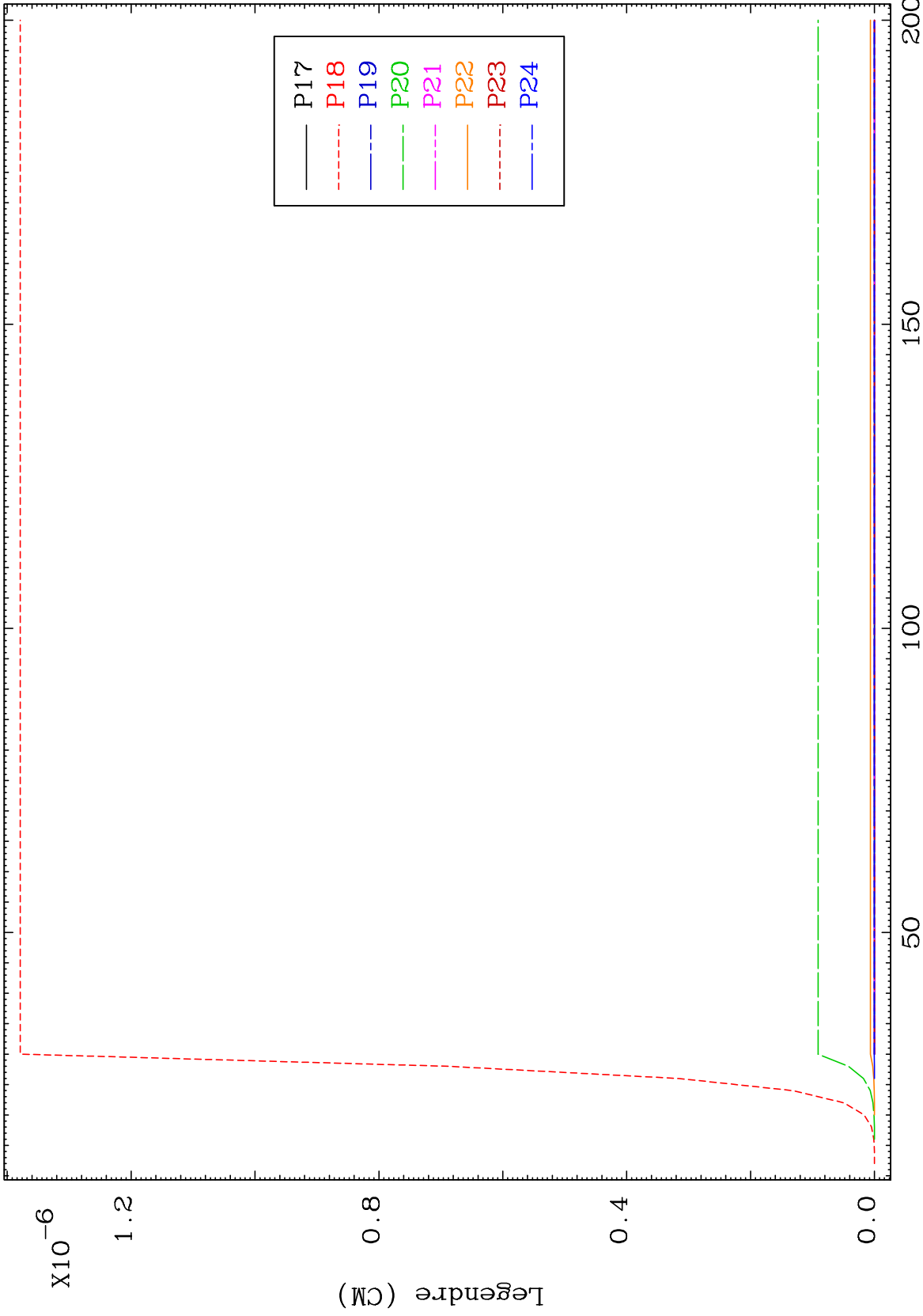
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86

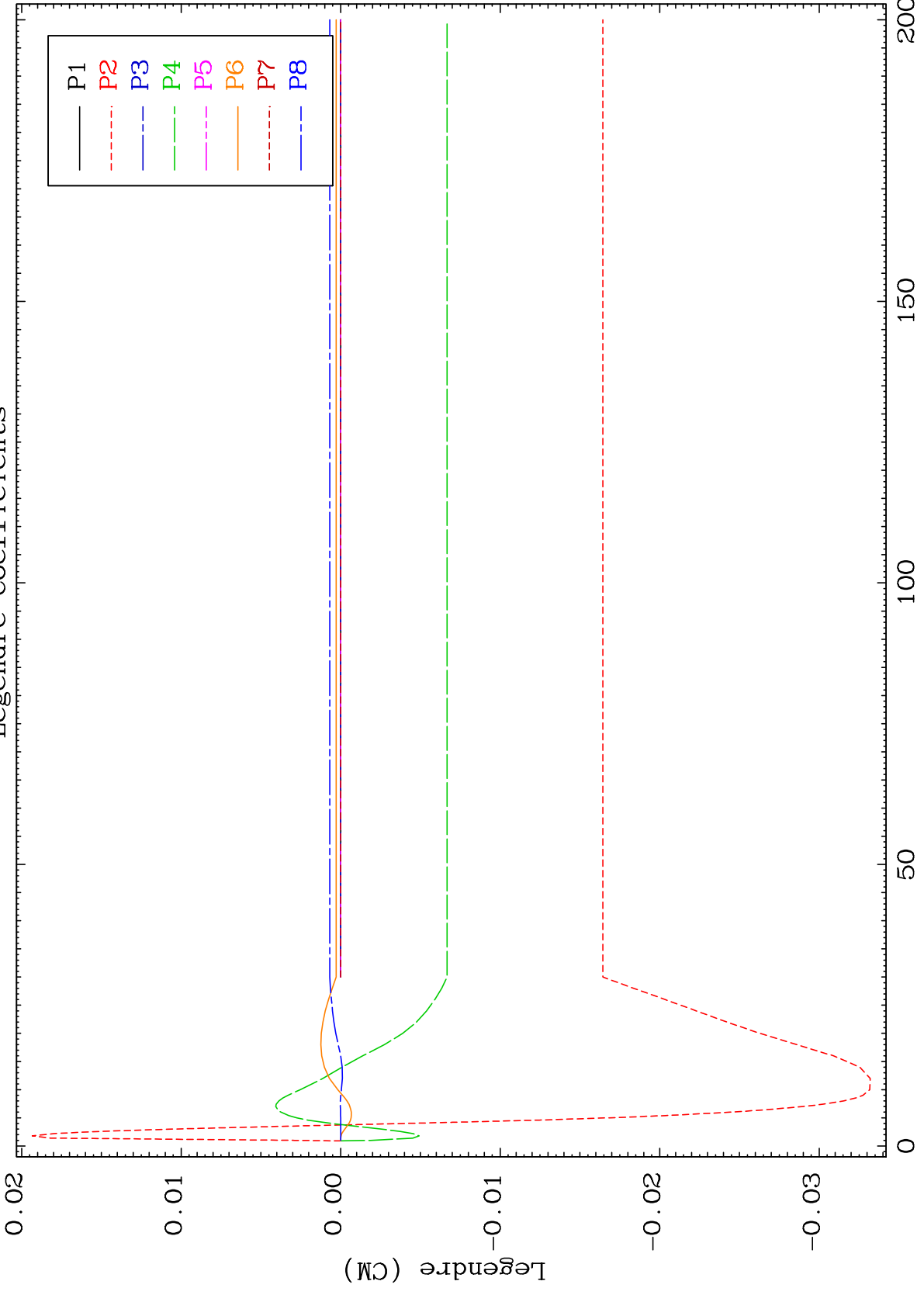


61

Incident Energy (MeV)

39-Y -86

MAT 3916 MT= 64 (n,n') Level Legendre Coefficients 39-Y -86

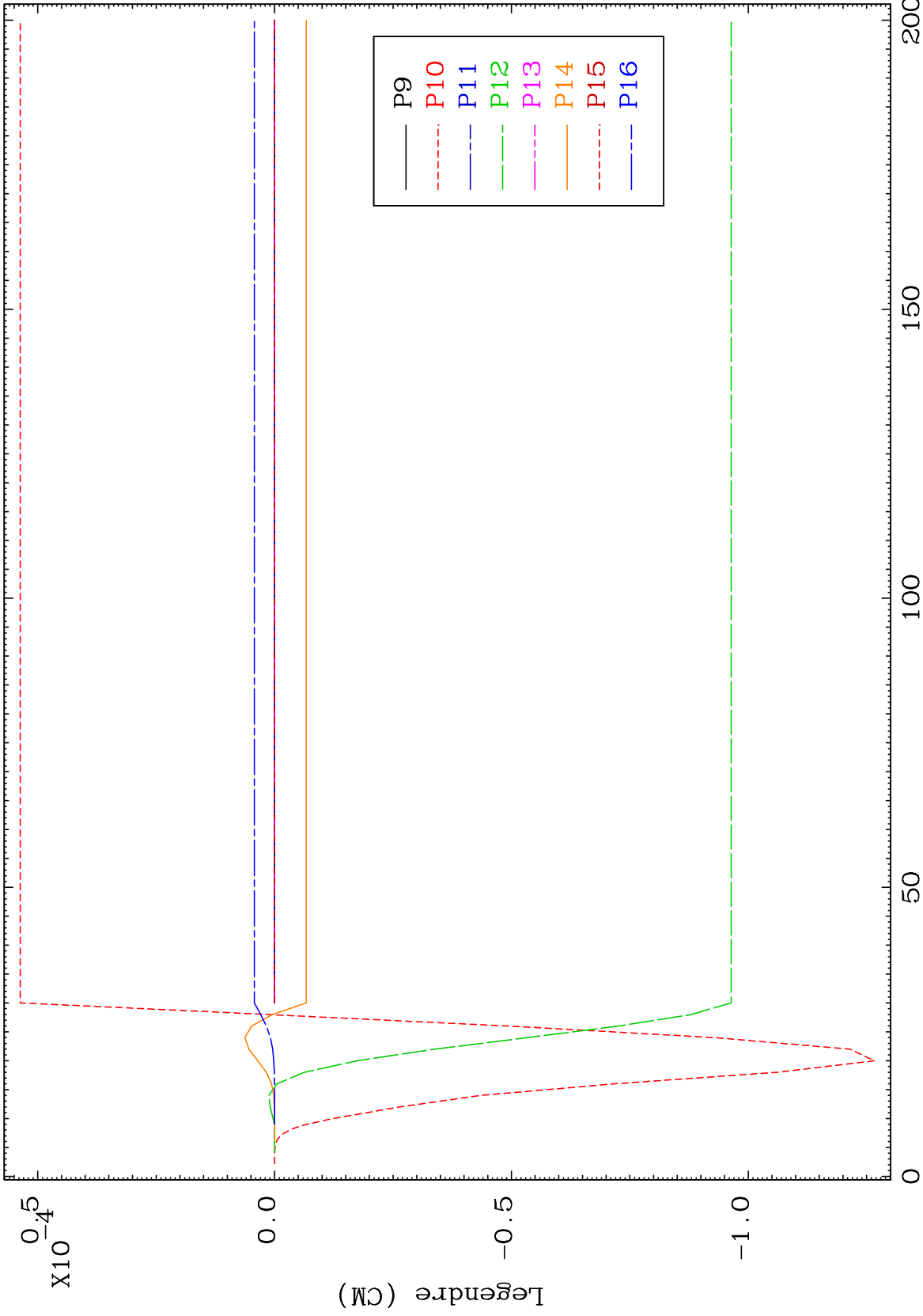


62 39-Y -86

MAT 3916

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

39-Y -86



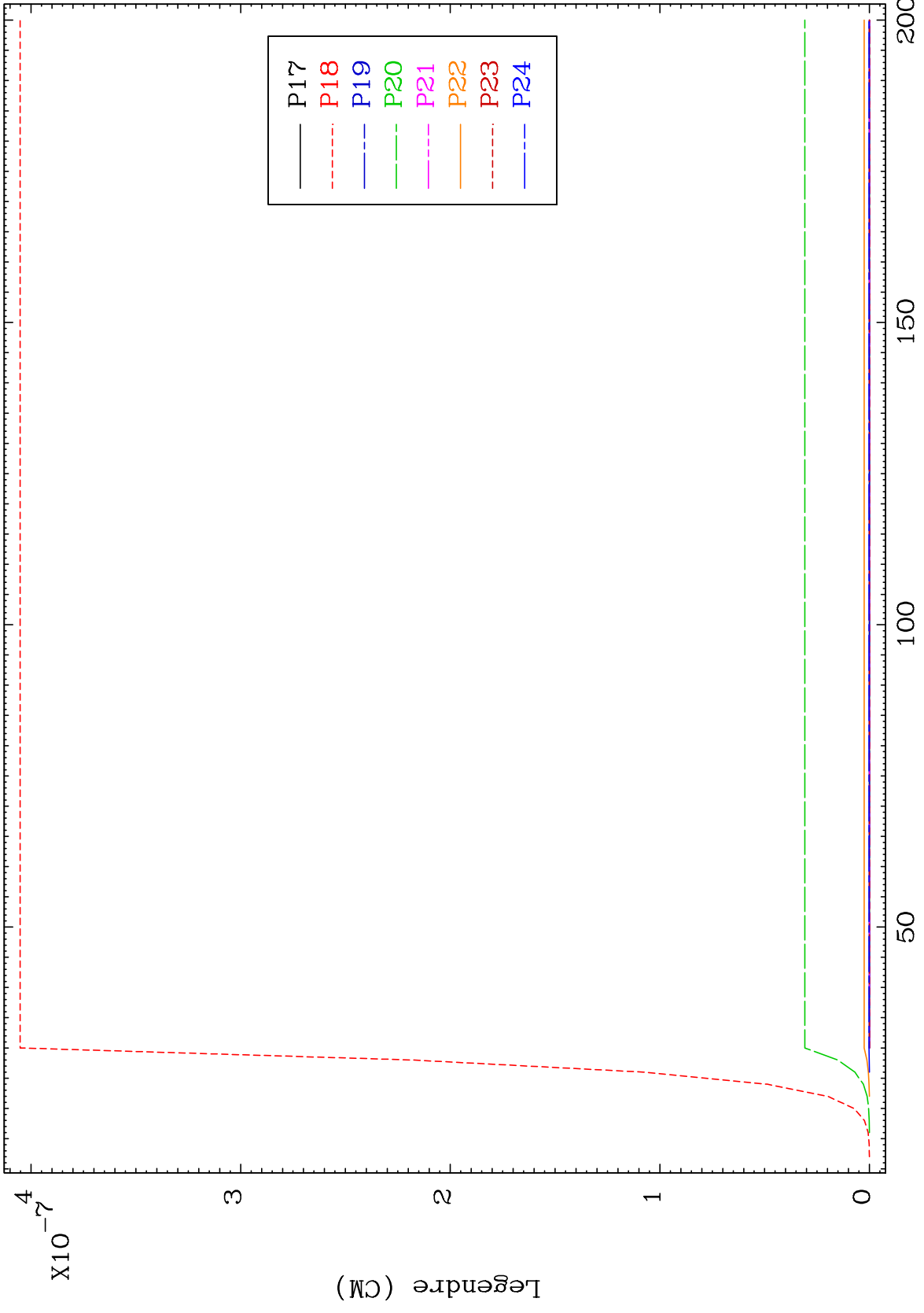
63

Incident Energy (MeV)

39-Y -86



MAT 3916 MT= 64 (n,n') Level Legendre Coefficients 39-Y -86

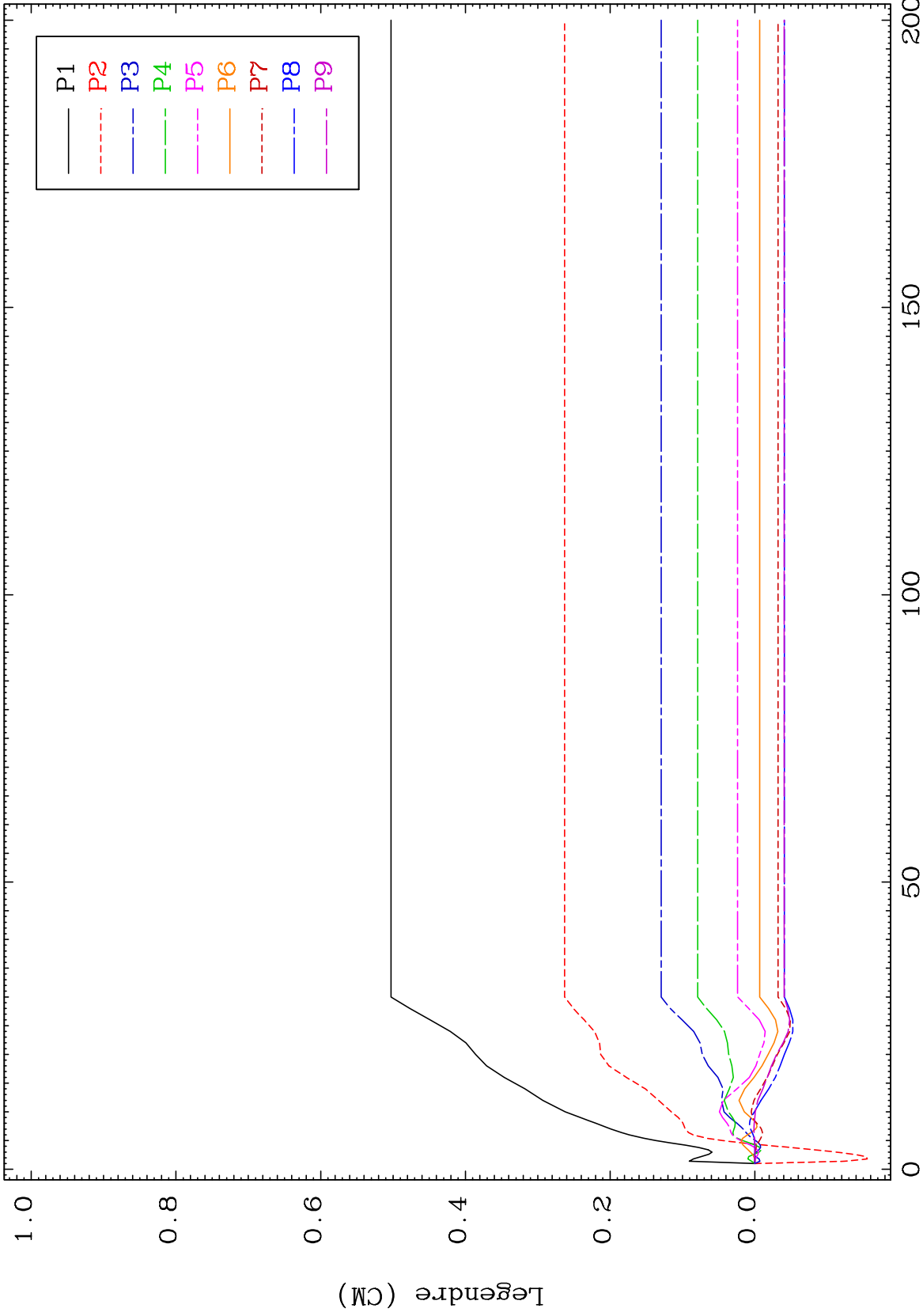


64 39-Y -86

MAT 3916

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

39-Y -86



65

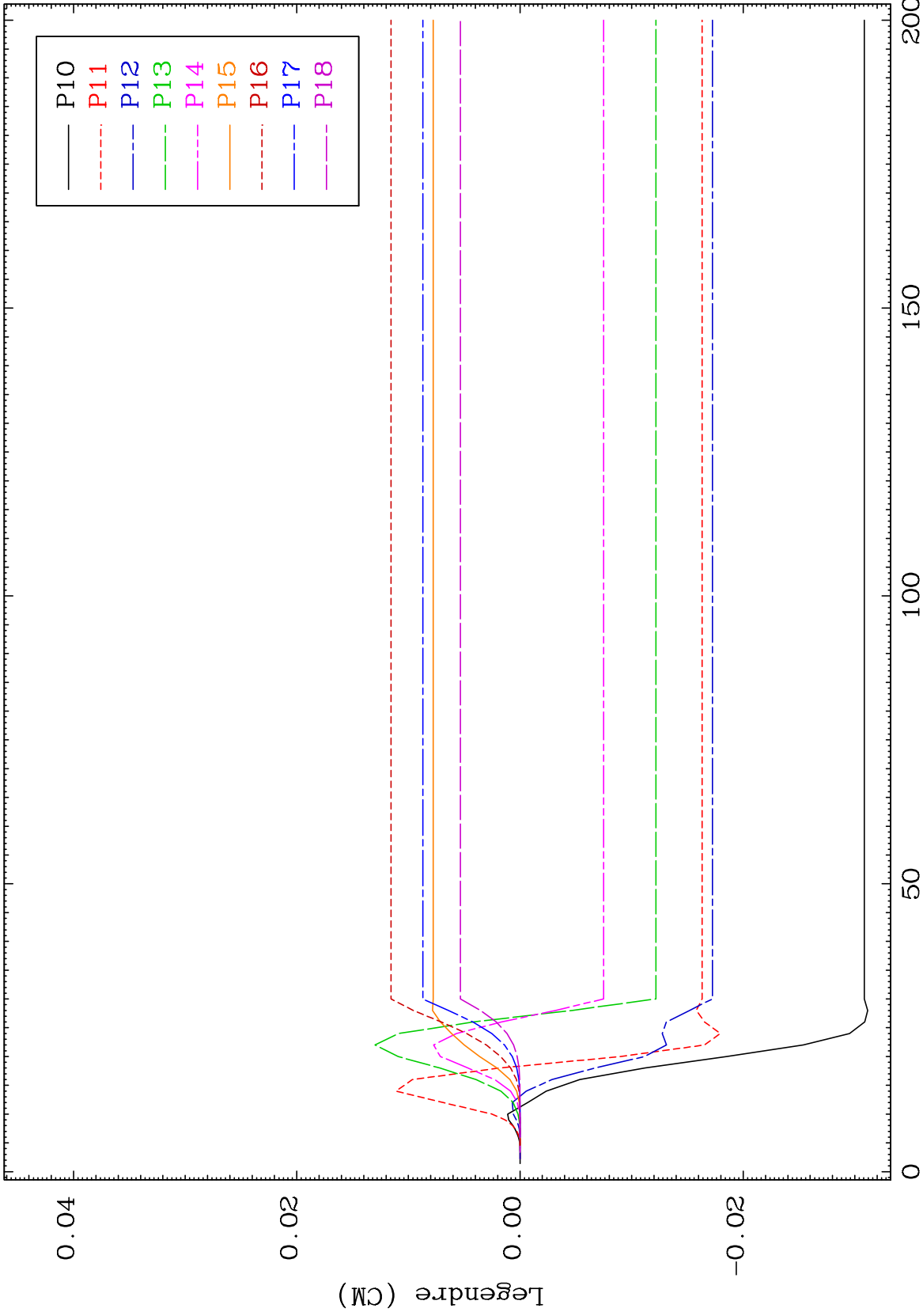
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



66

Incident Energy (MeV)

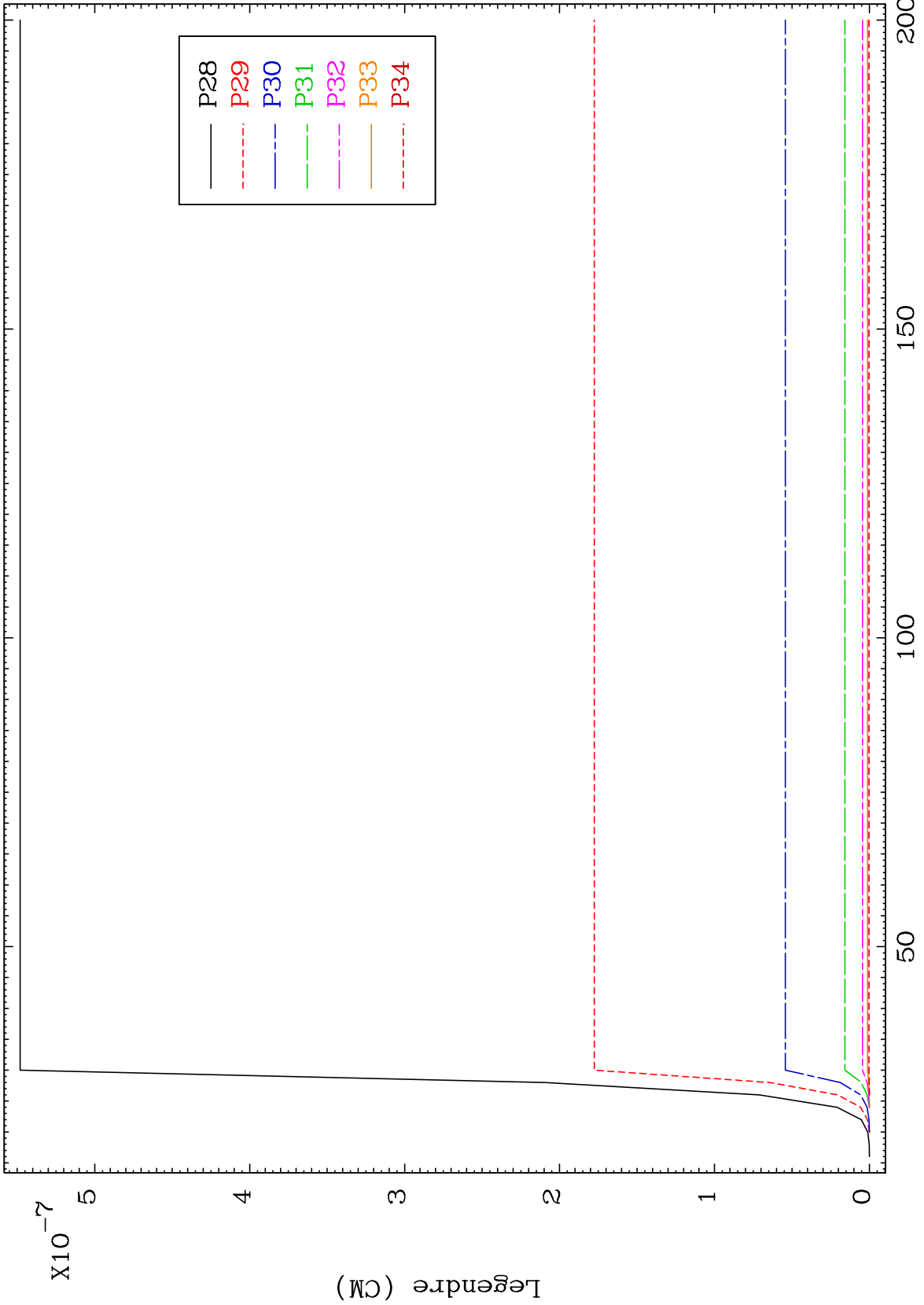
39-Y -86



MAT 3916

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

39-Y -86



68

Incident Energy (MeV)

39-Y -86

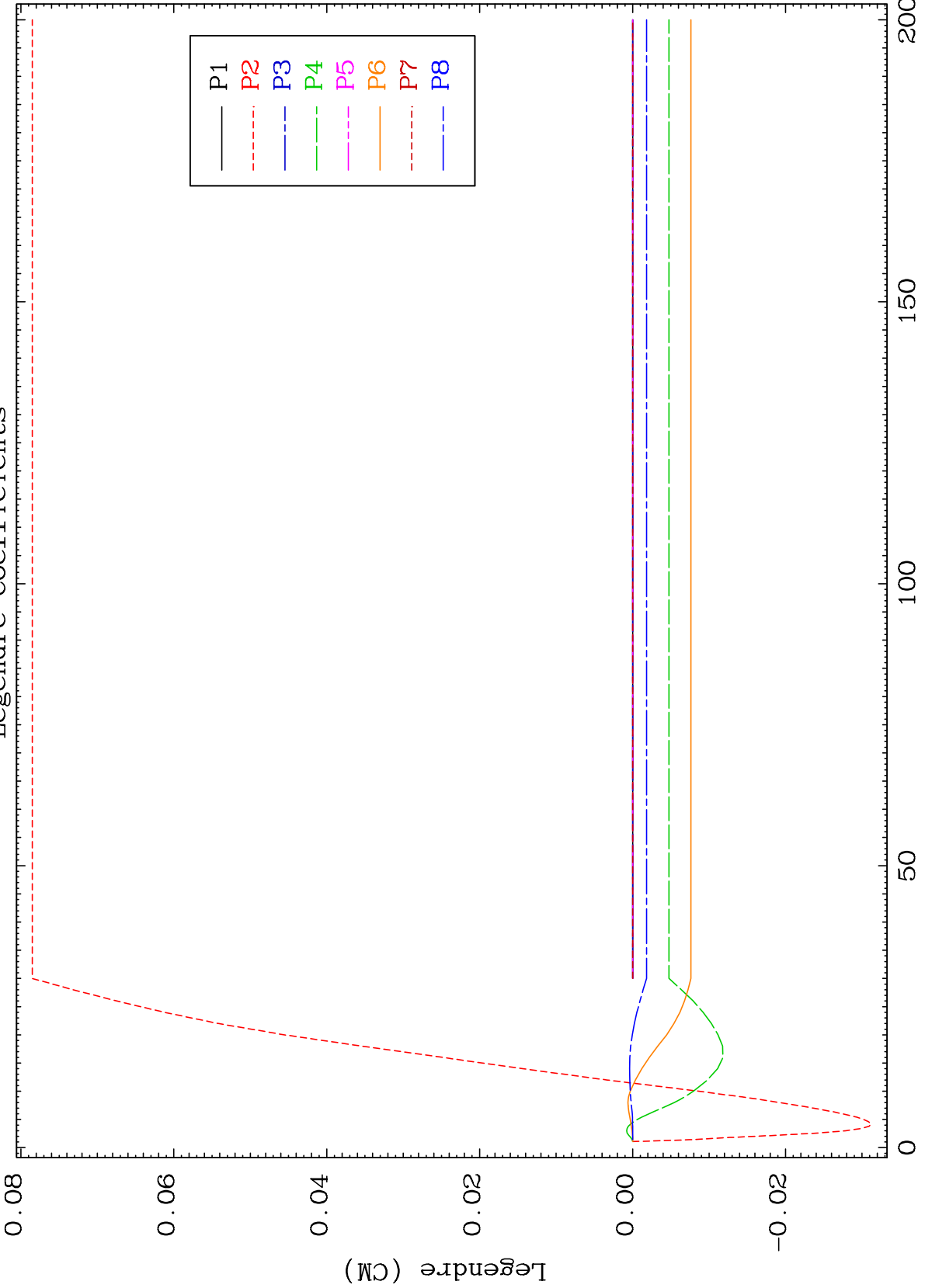
MAT 3916 MT= 66 (n,n') Level Legendre Coefficients

39-Y -86

39-Y -86

Incident Energy (MeV)

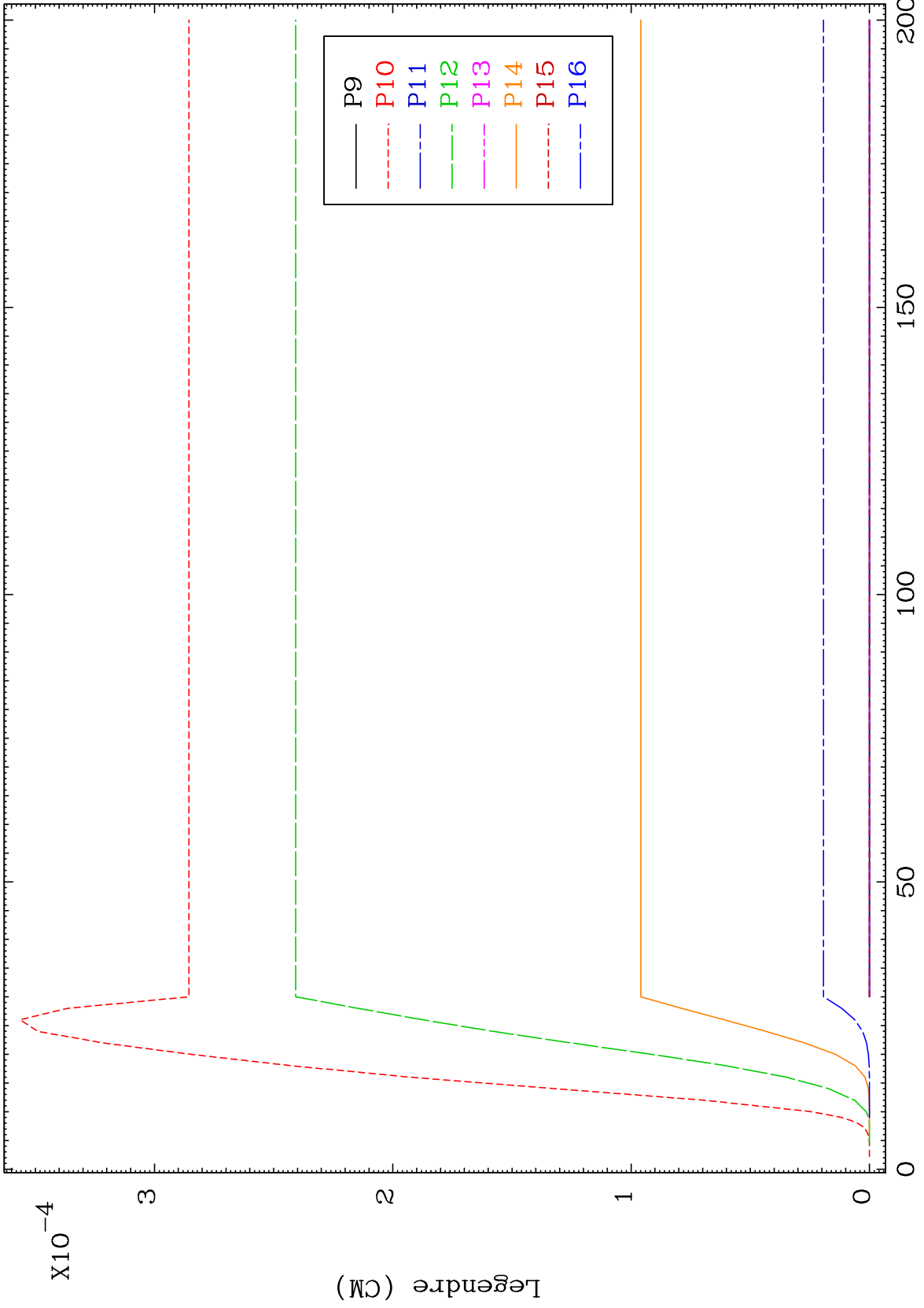
69



MAT 3916

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

39-Y -86

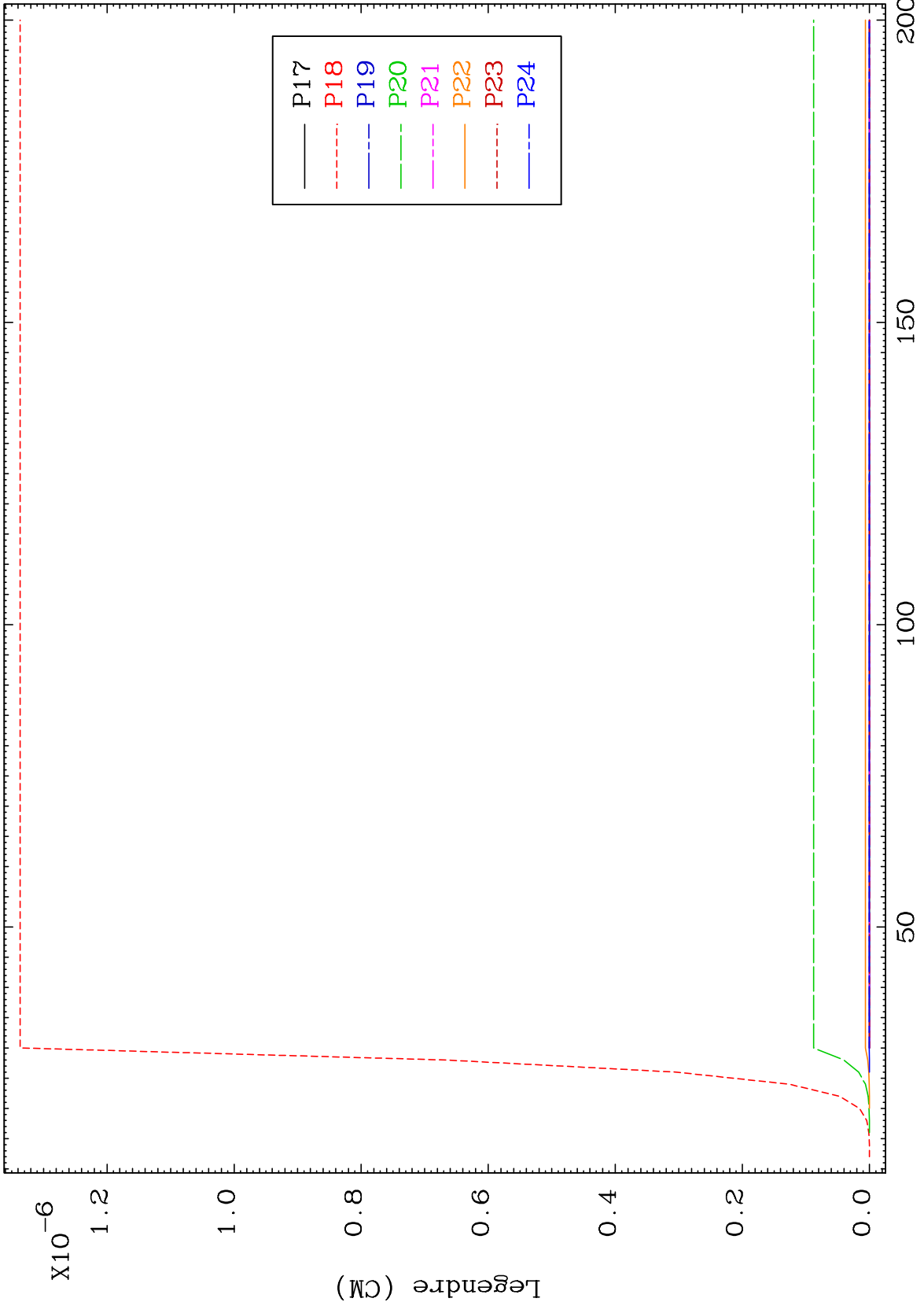


70

Incident Energy (MeV)

39-Y -86

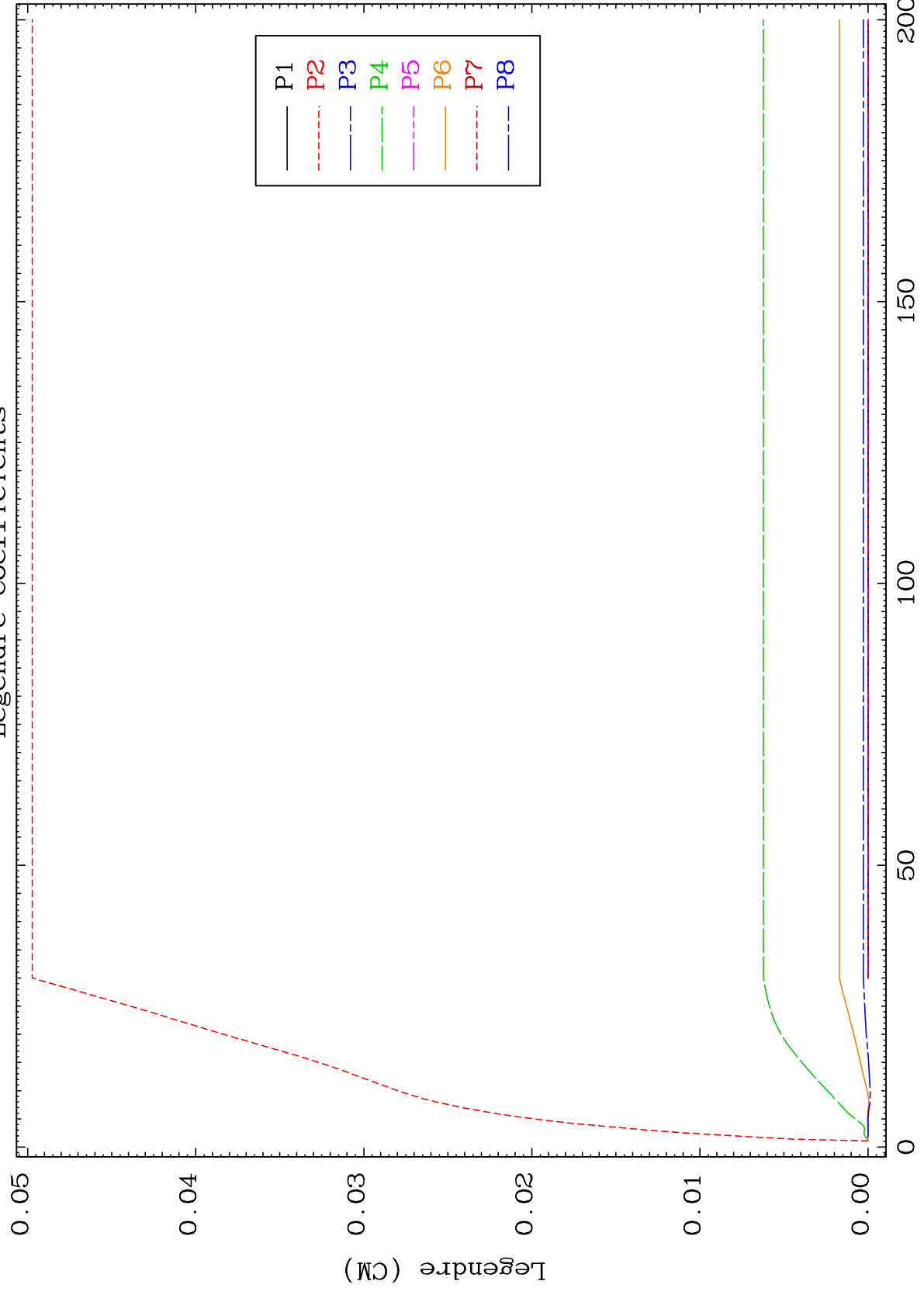
MAT 3916 MT= 66 (n,n') Level Legendre Coefficients 39-Y -86



71 39-Y -86



MAT 3916 MT= 67 (n,n') Level Legendre Coefficients 39-Y -86

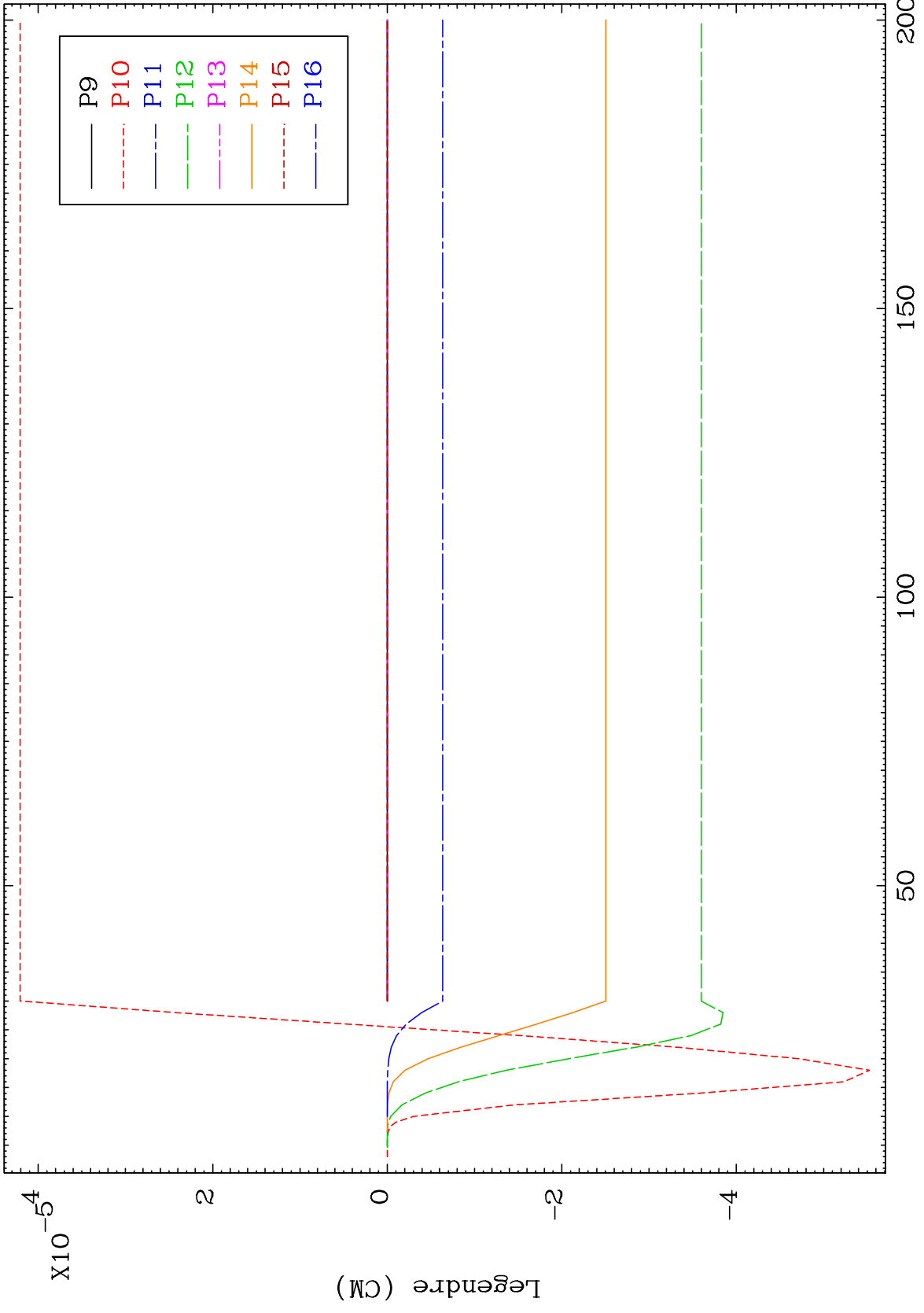


72 39-Y -86

MAT 3916

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

39-Y -86



73

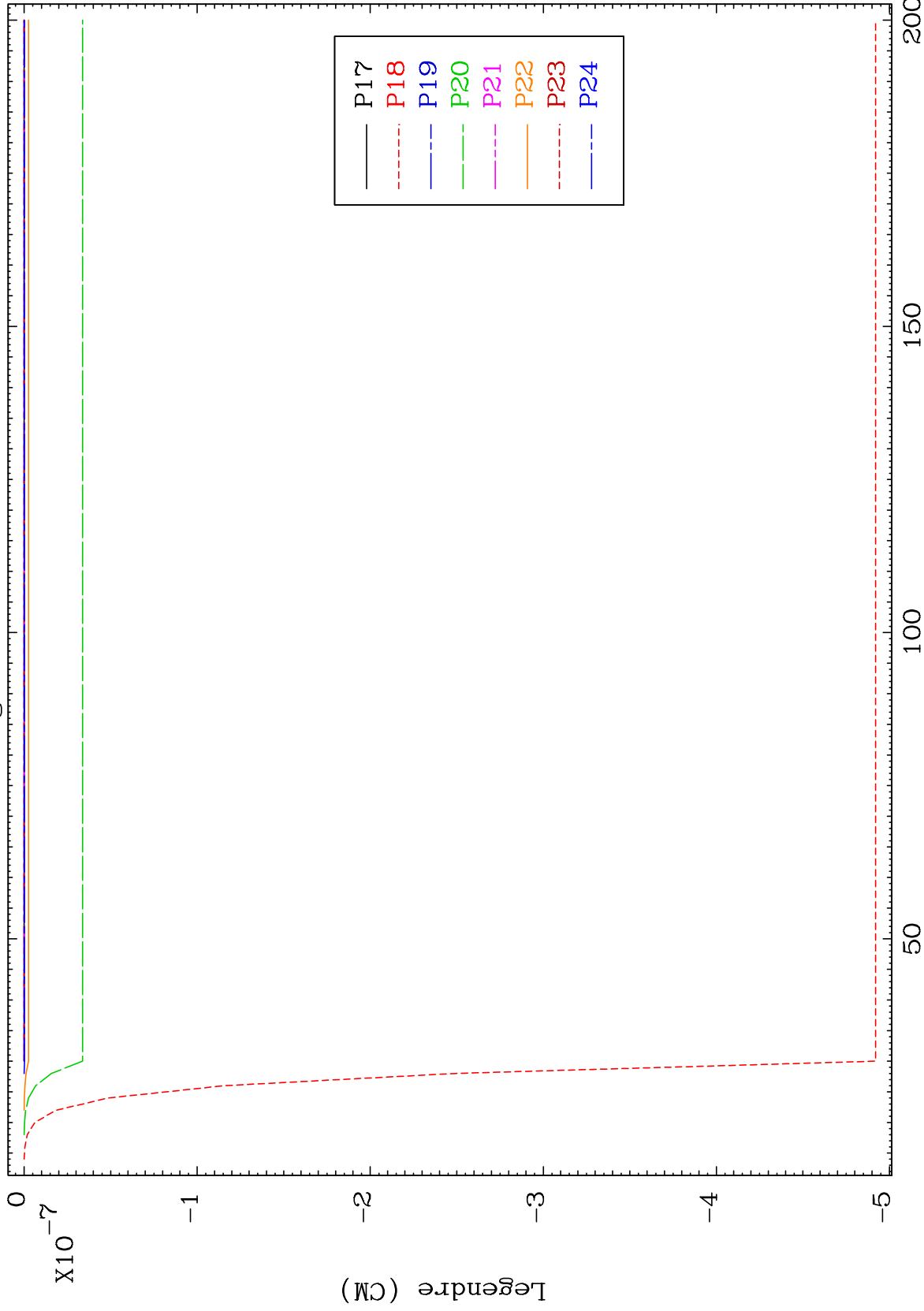
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



74

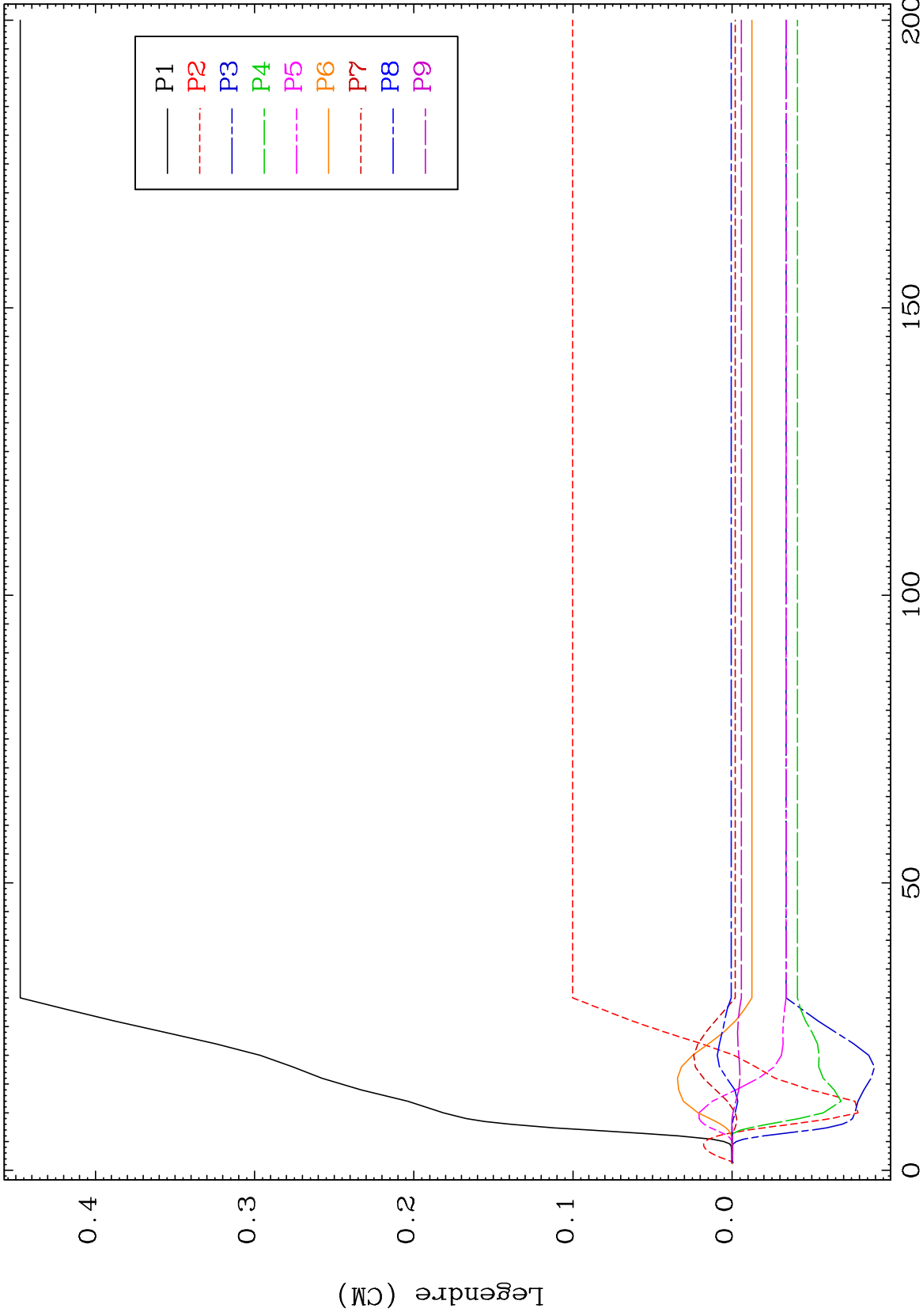
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



75

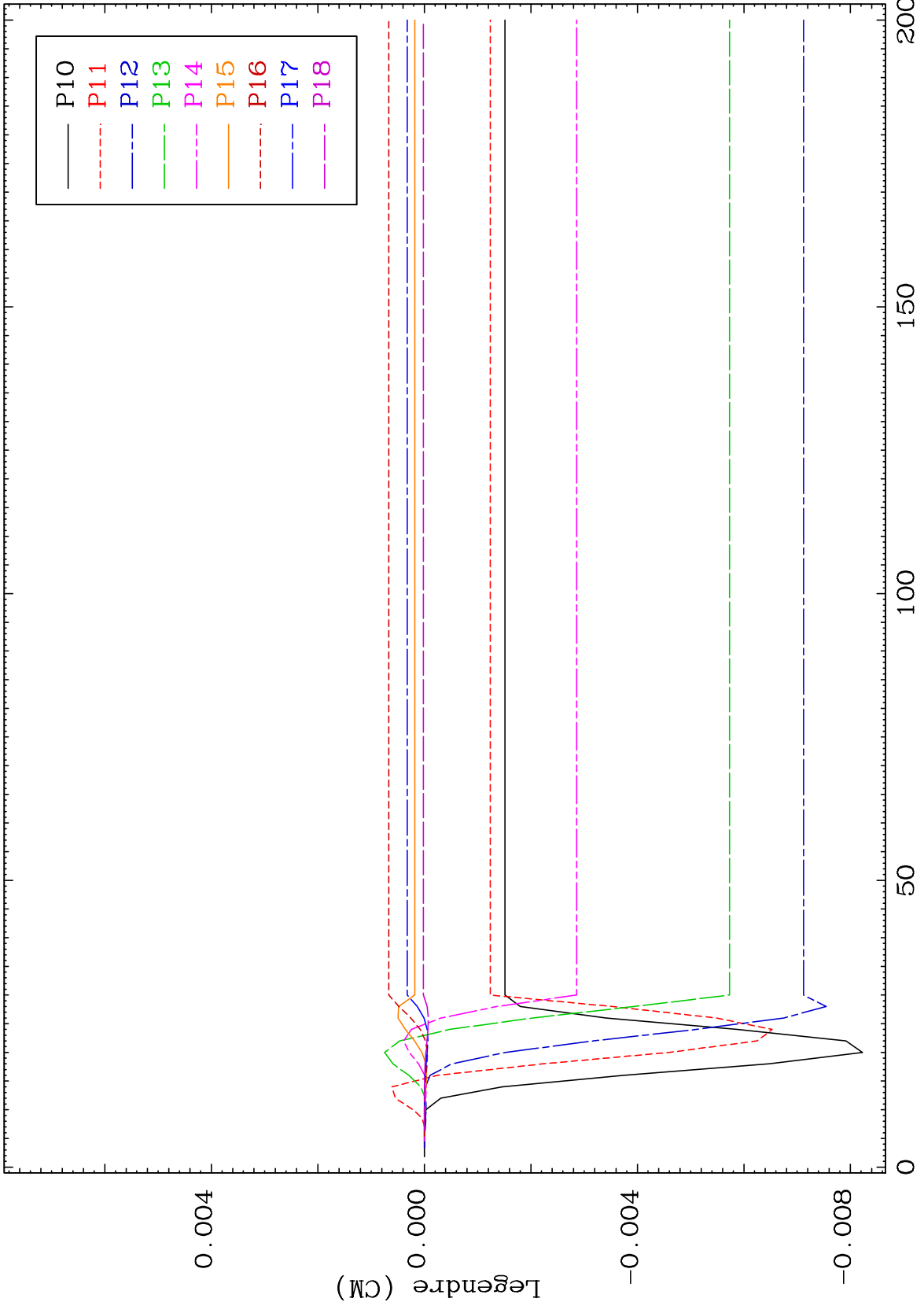
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



76

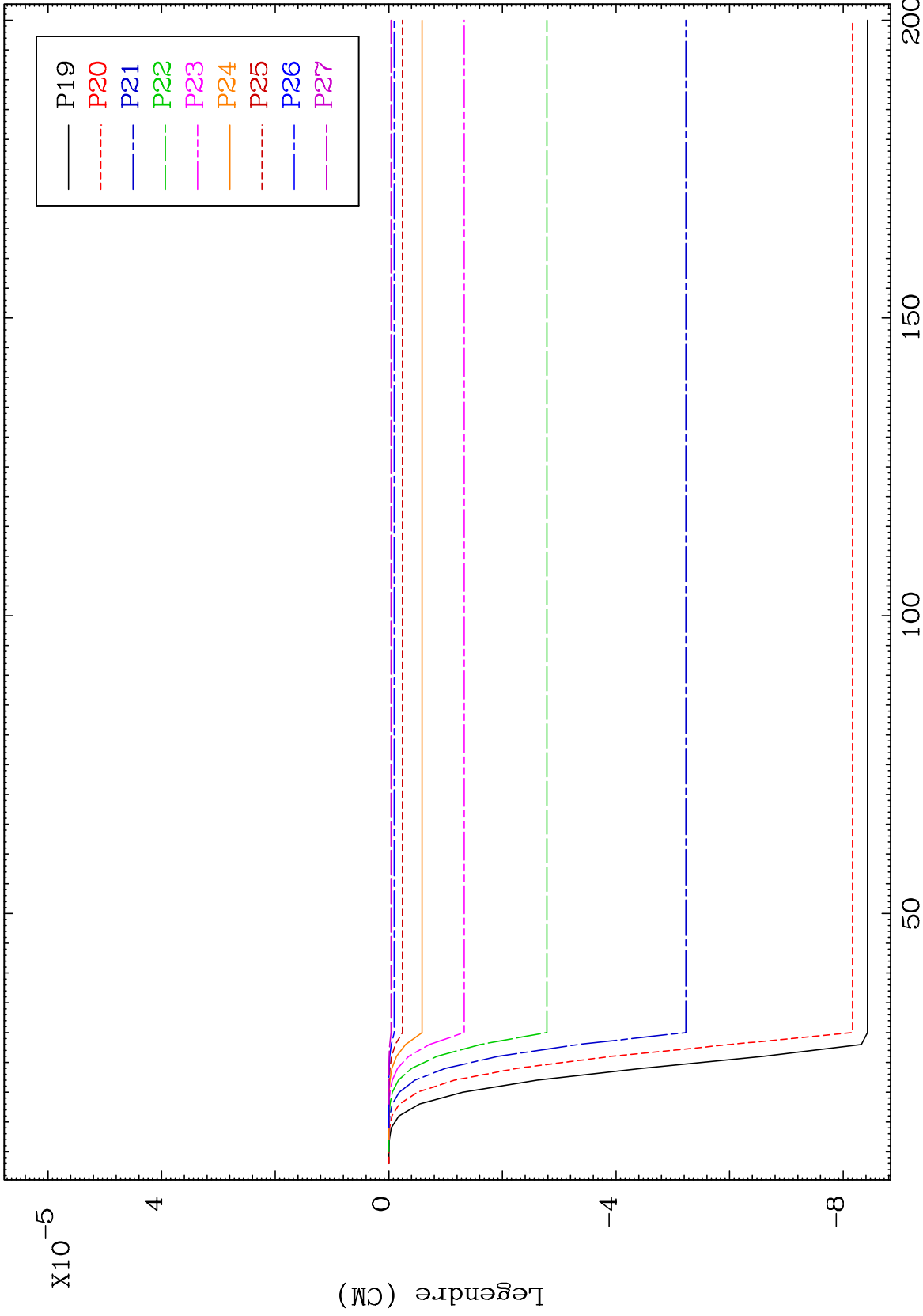
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



77

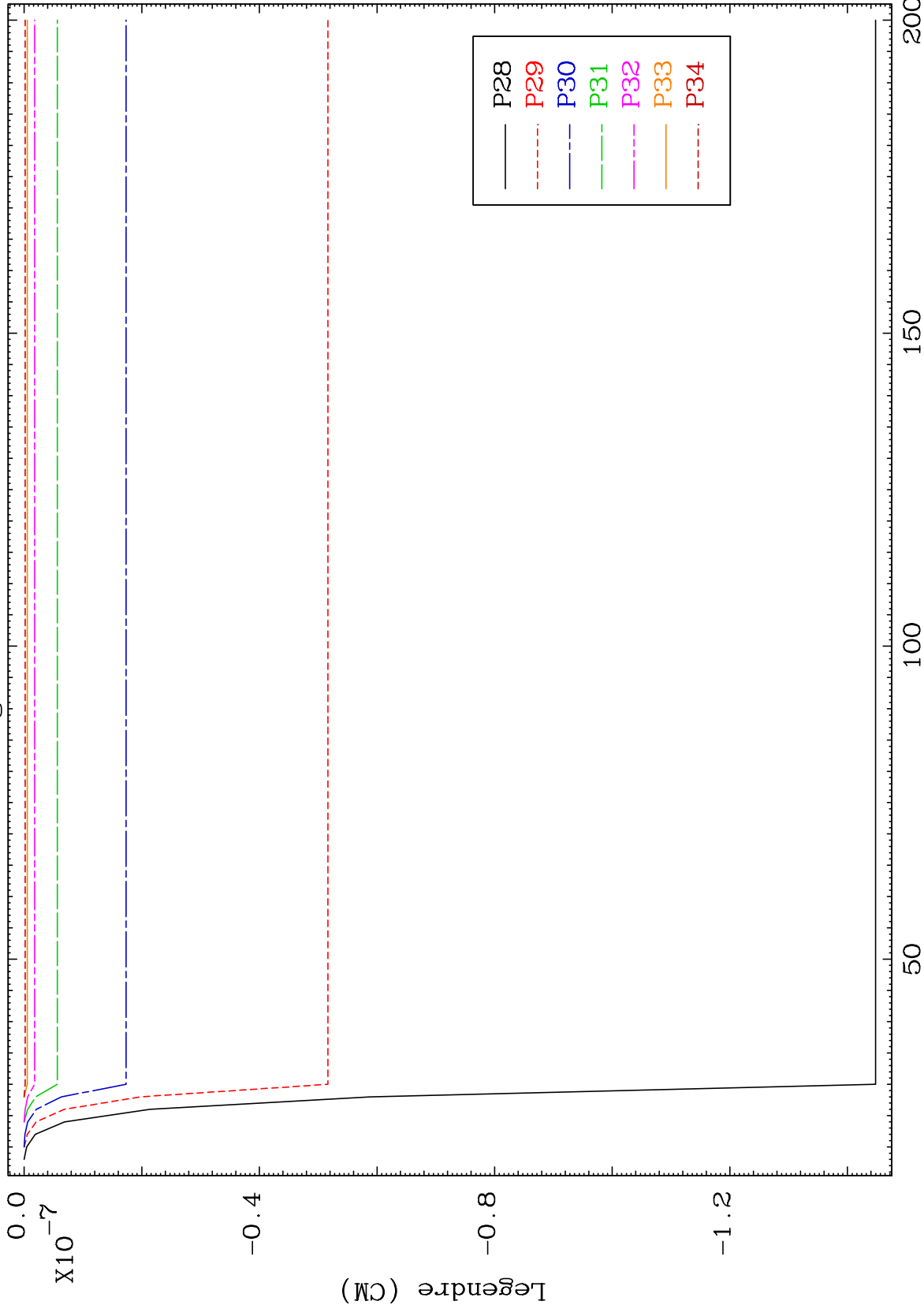
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



78

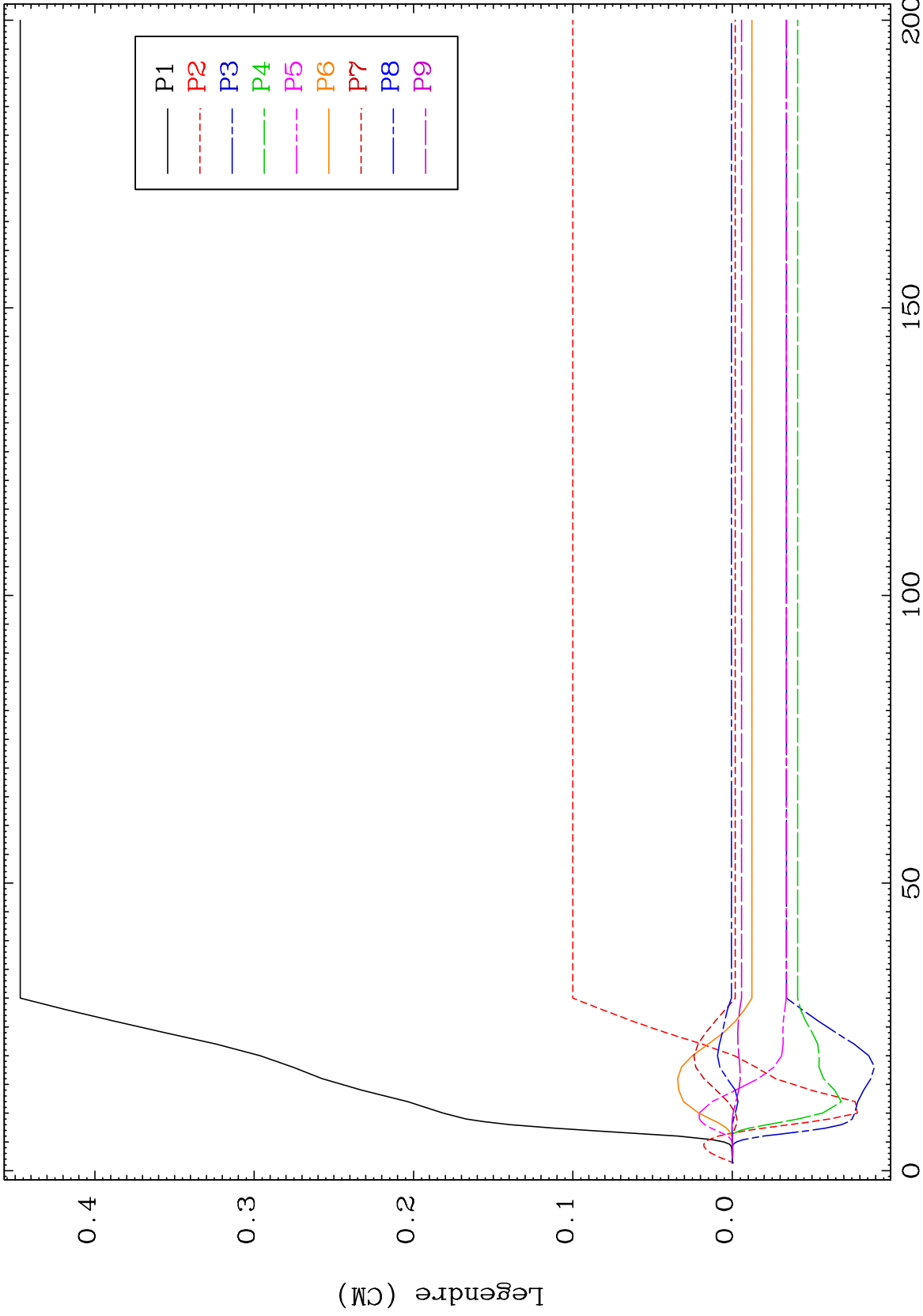
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



79

Incident Energy (MeV)

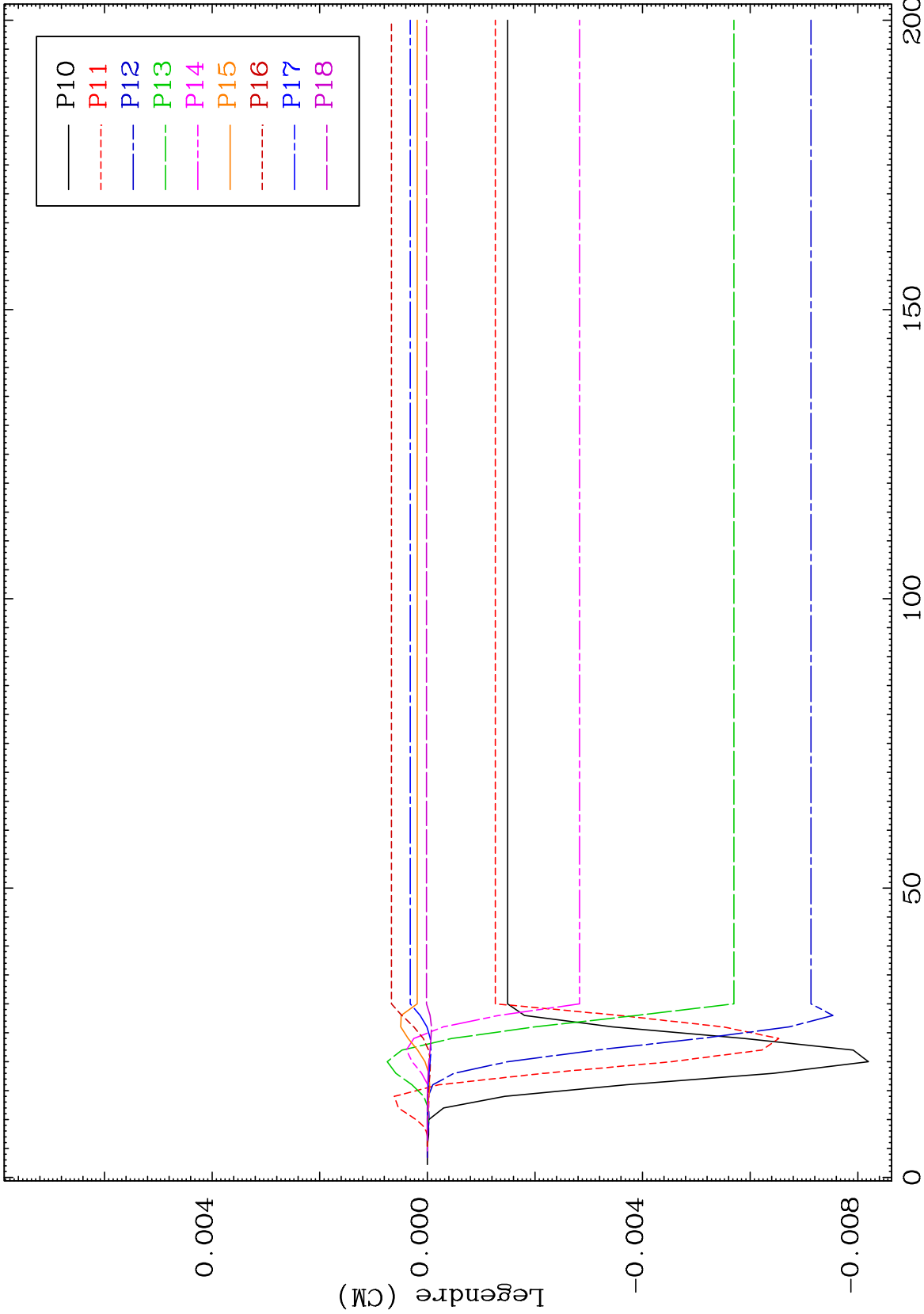
39-Y -86



MAT 3916

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

39-Y -86



80

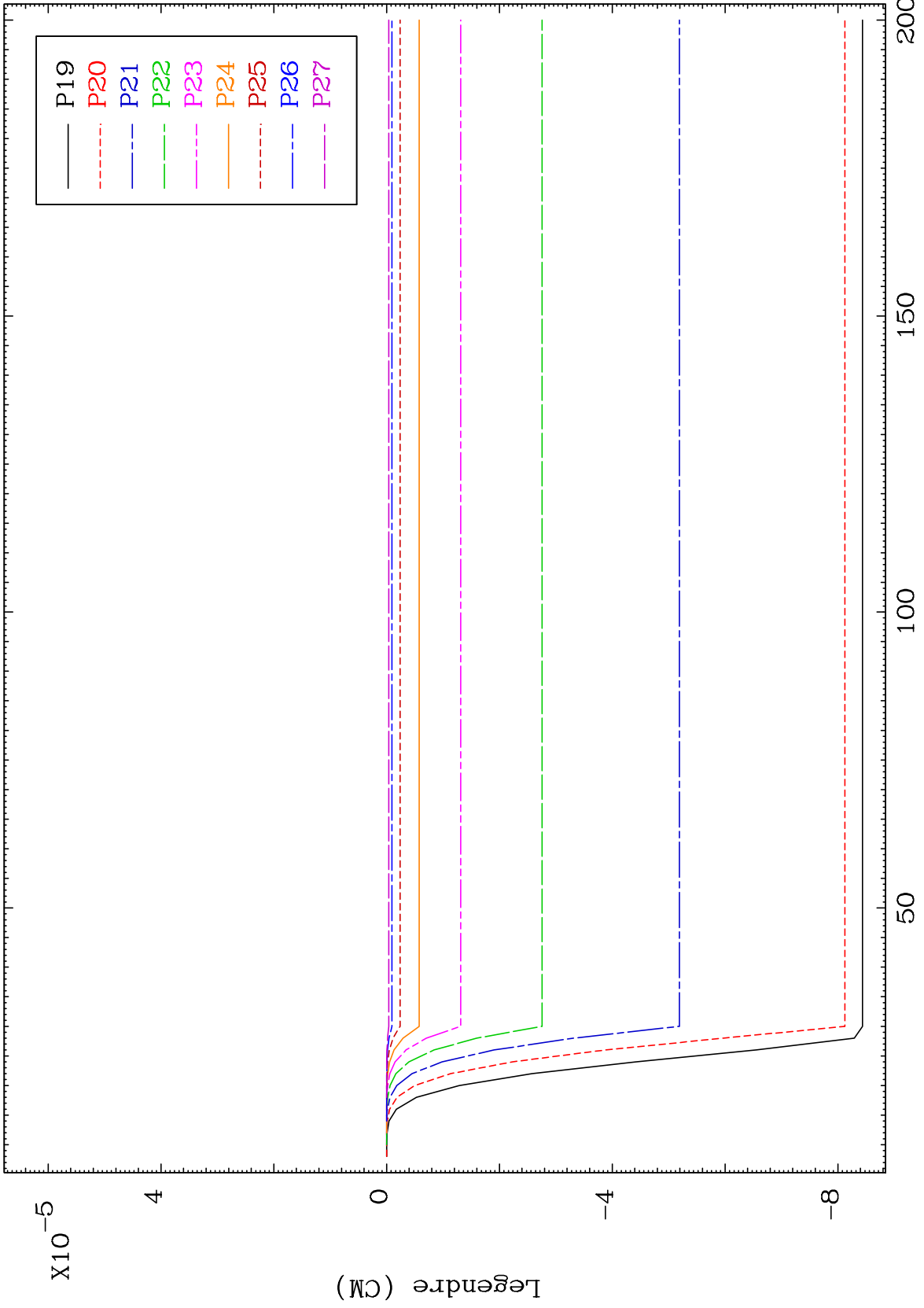
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



81

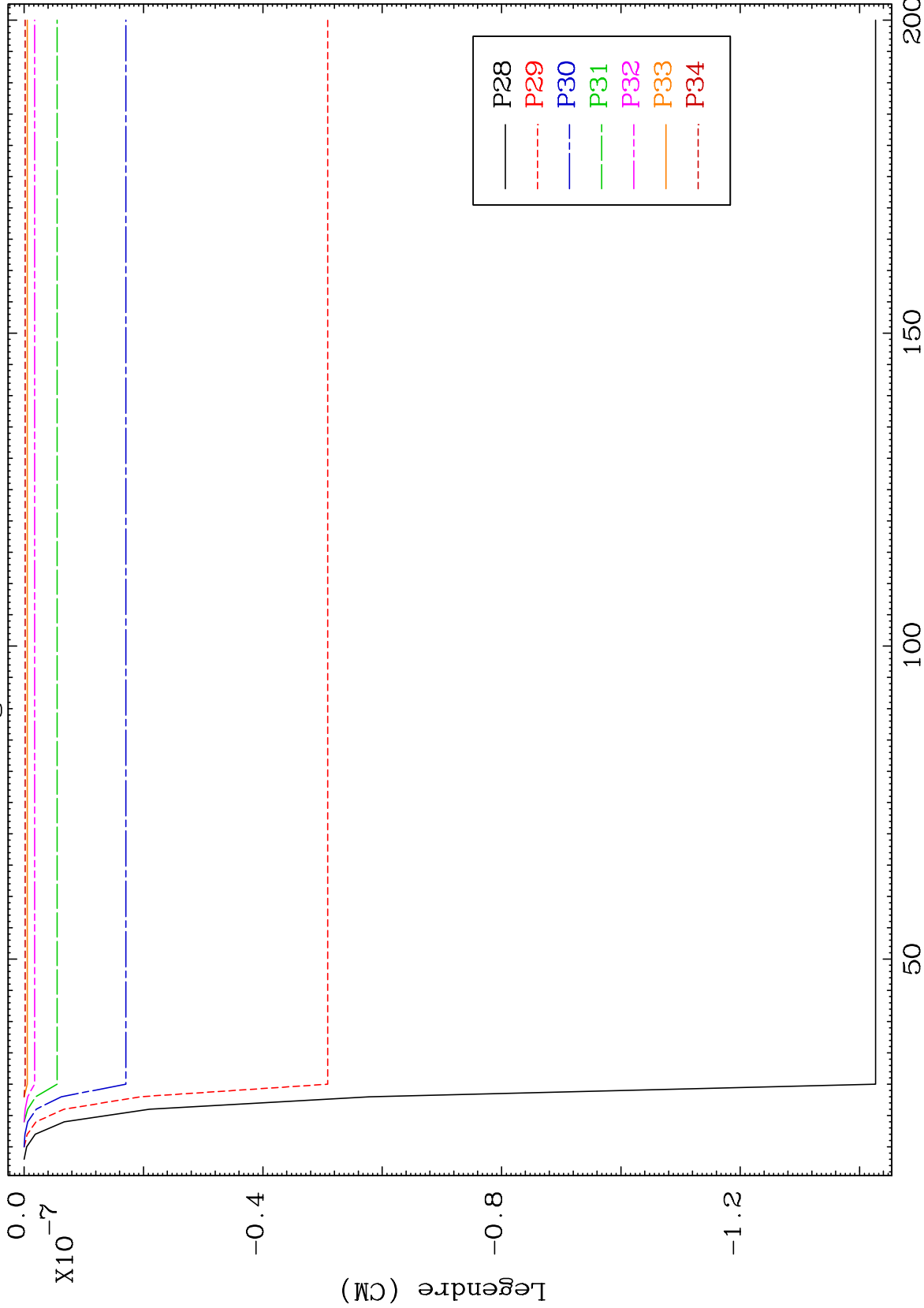
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



82

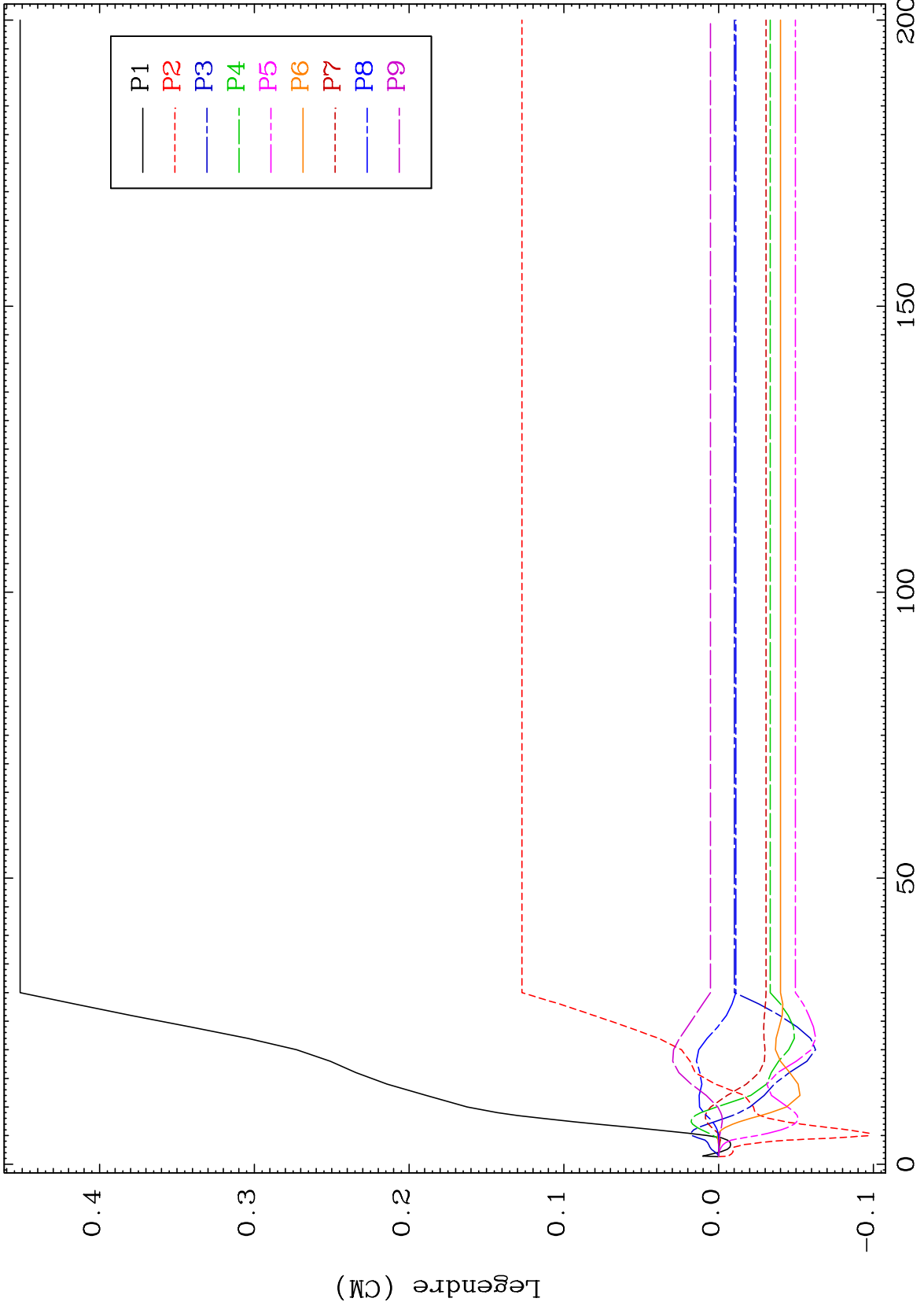
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



83

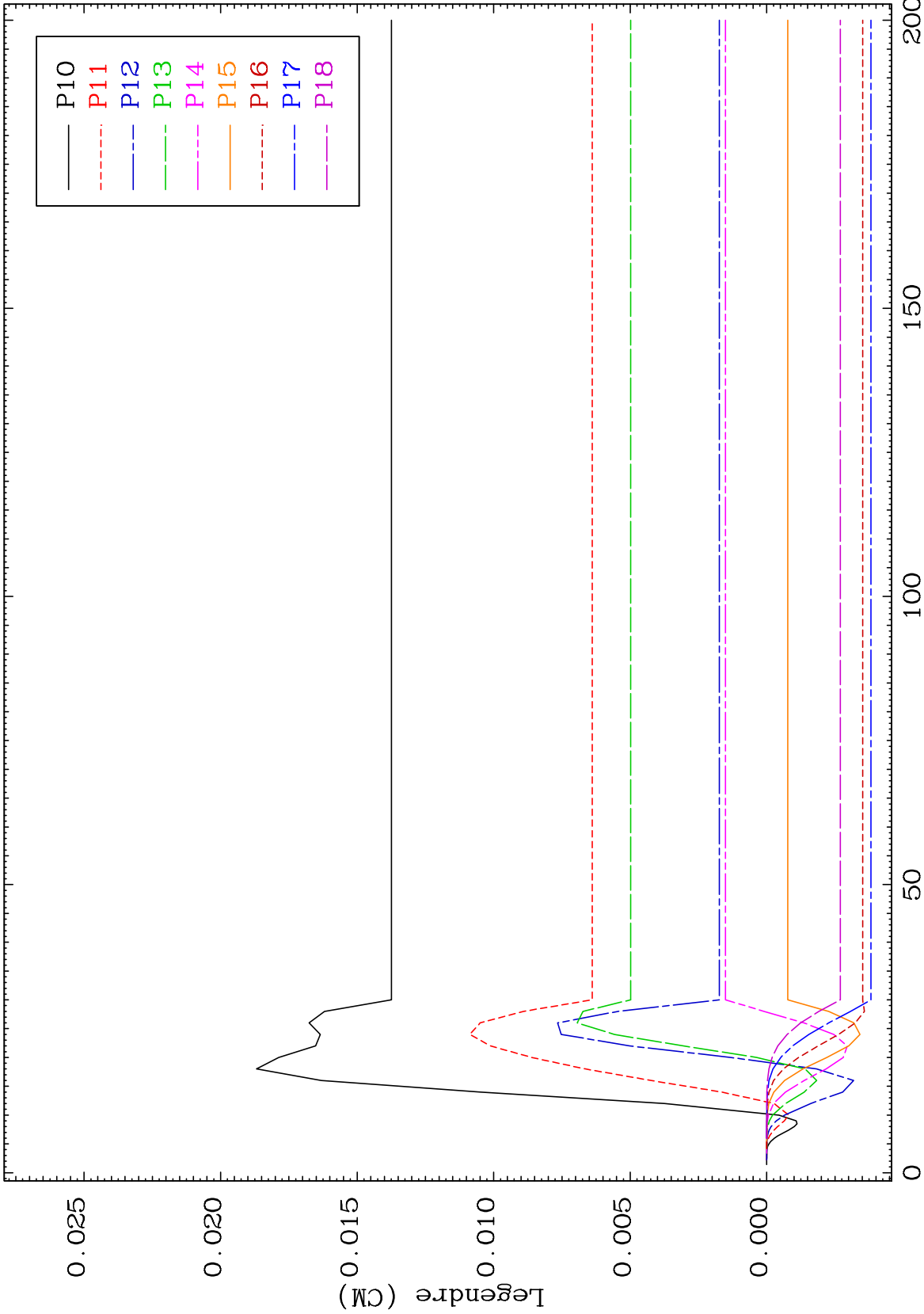
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86

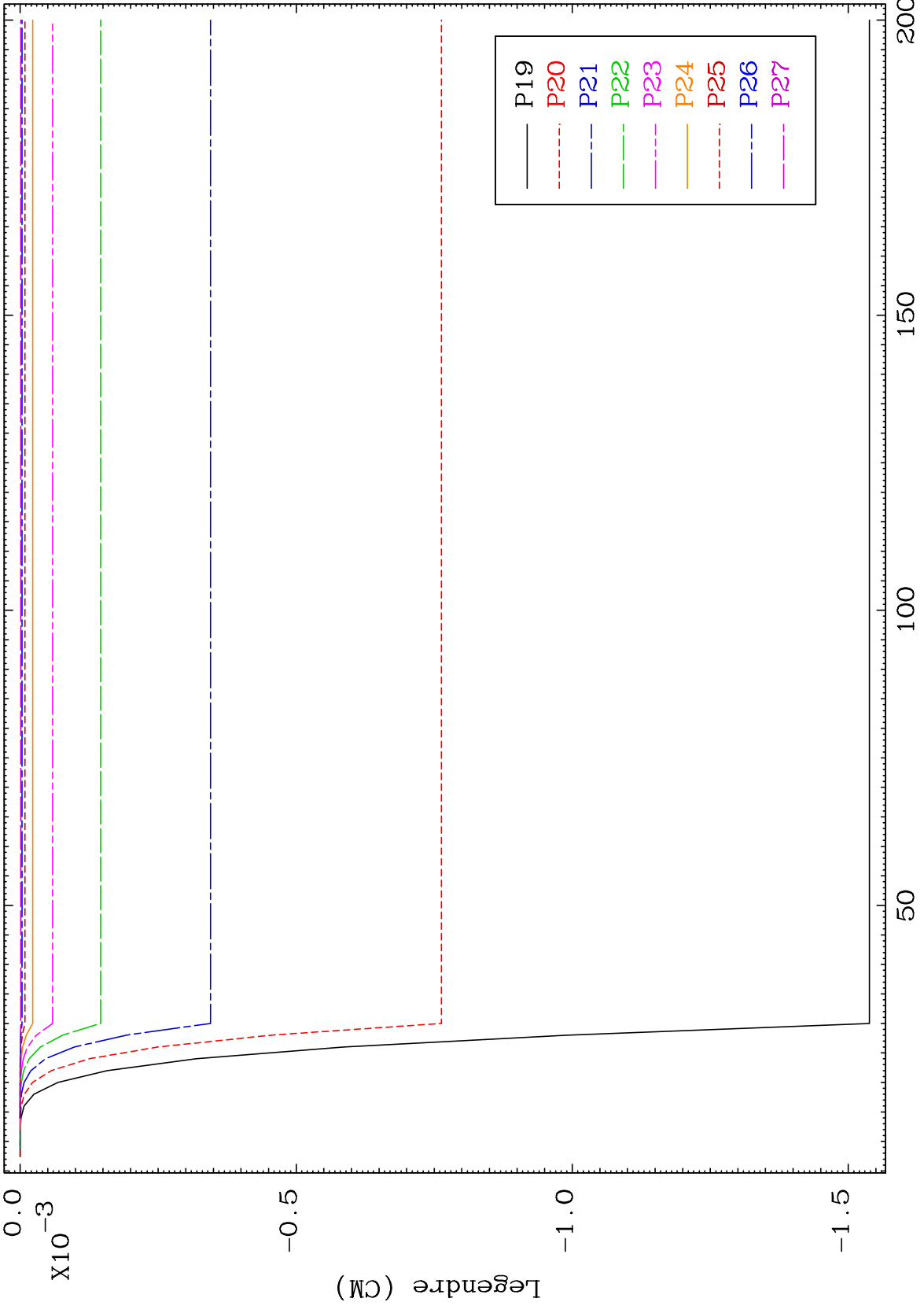


84

Incident Energy (MeV)

39-Y -86

MAT 3916 MT= 70 (n,n') Level Legendre Coefficients 39-Y -86

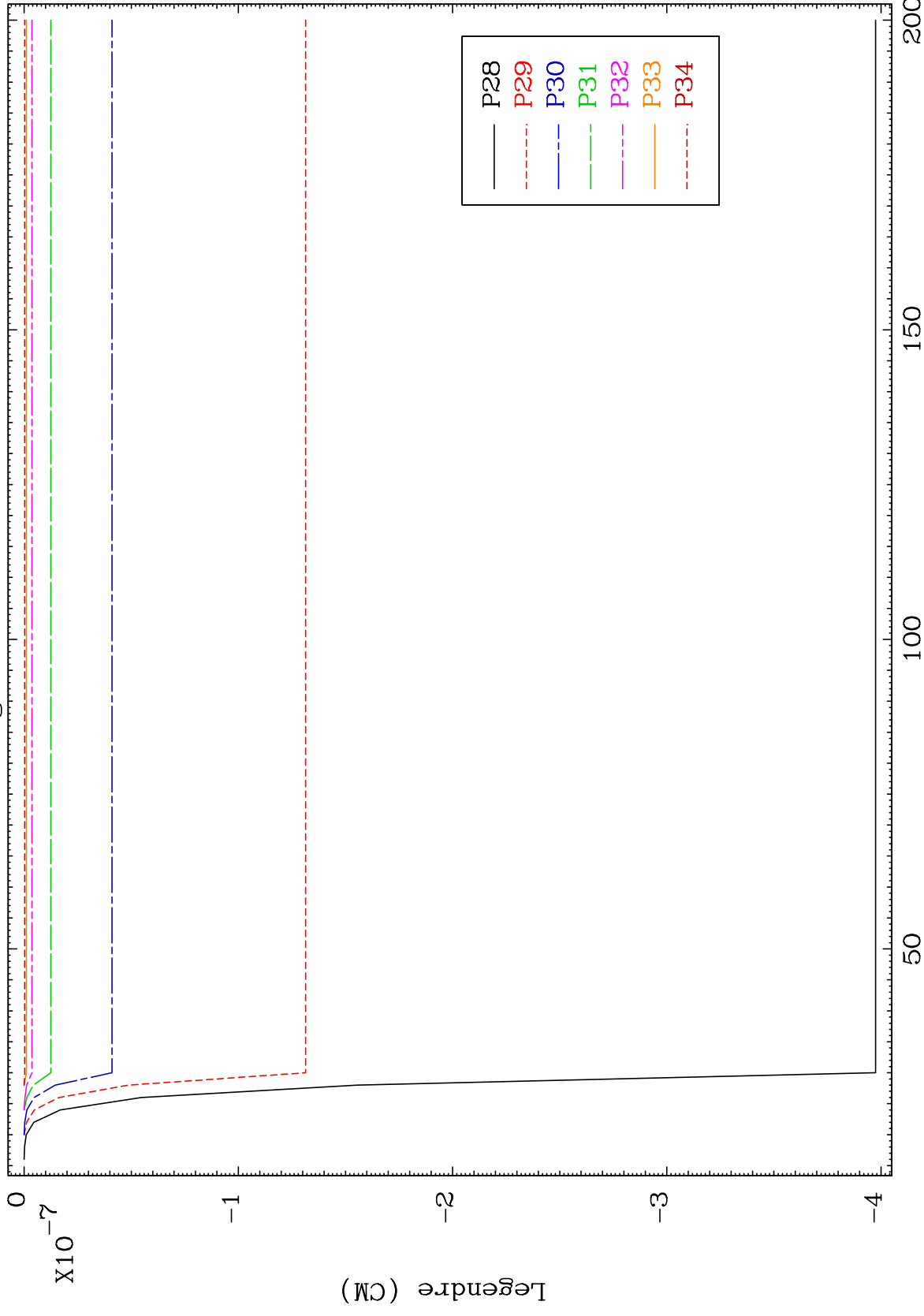


85 Incident Energy (MeV) 39-Y -86

MAT 3916

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

39-Y -86



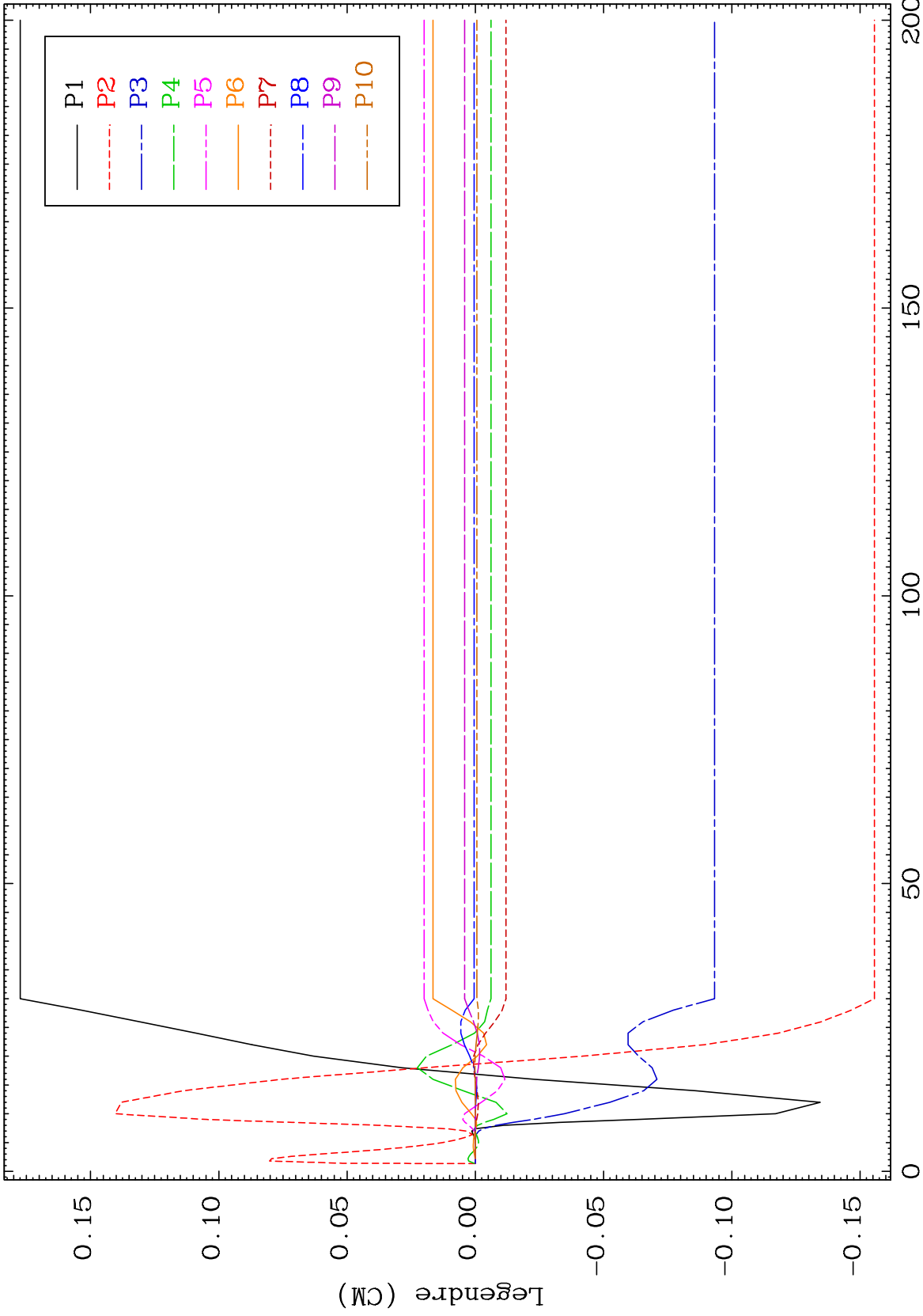
86

39-Y -86

MAT 3916

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

39-Y -86

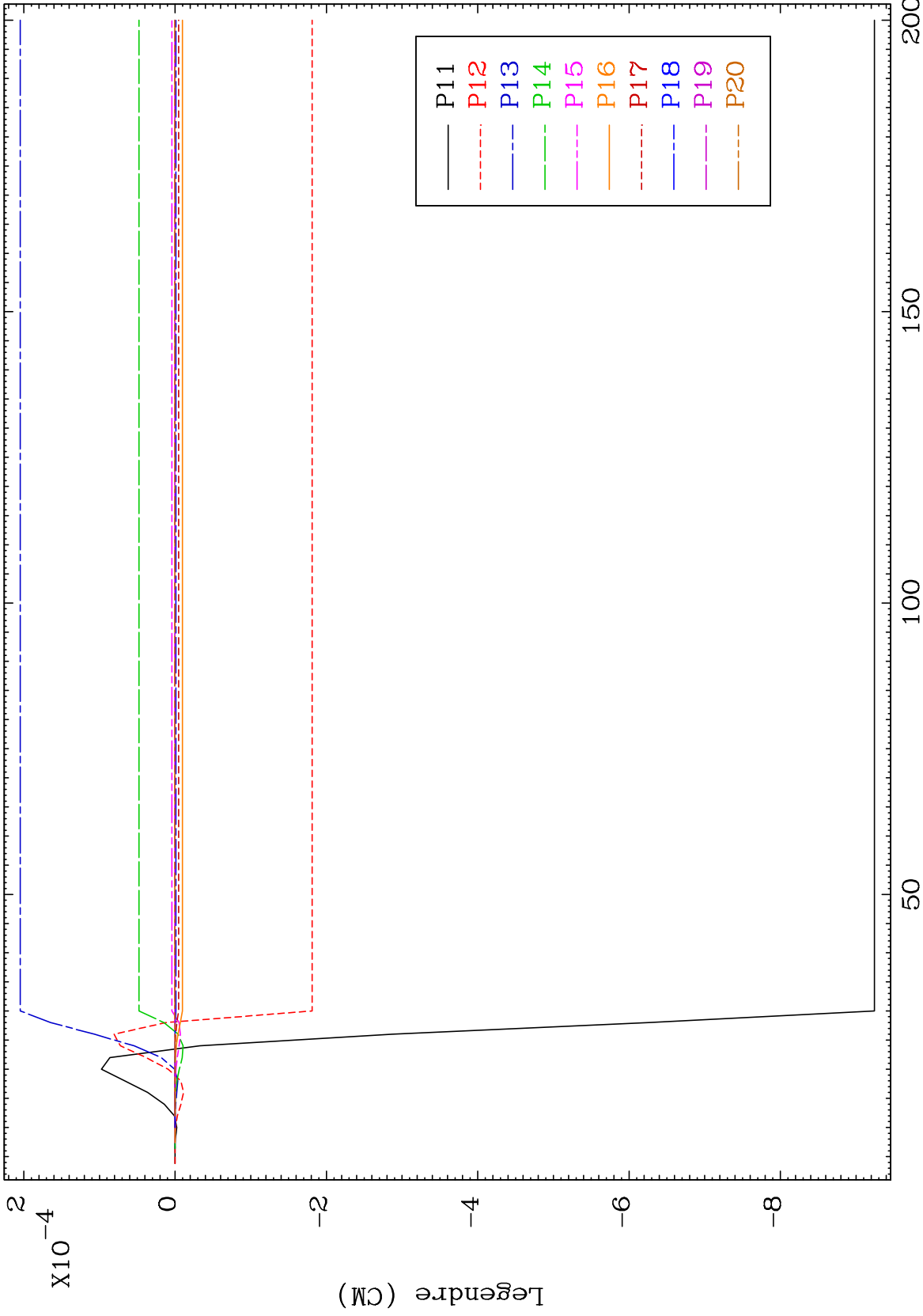


87

Incident Energy (MeV)

39-Y -86

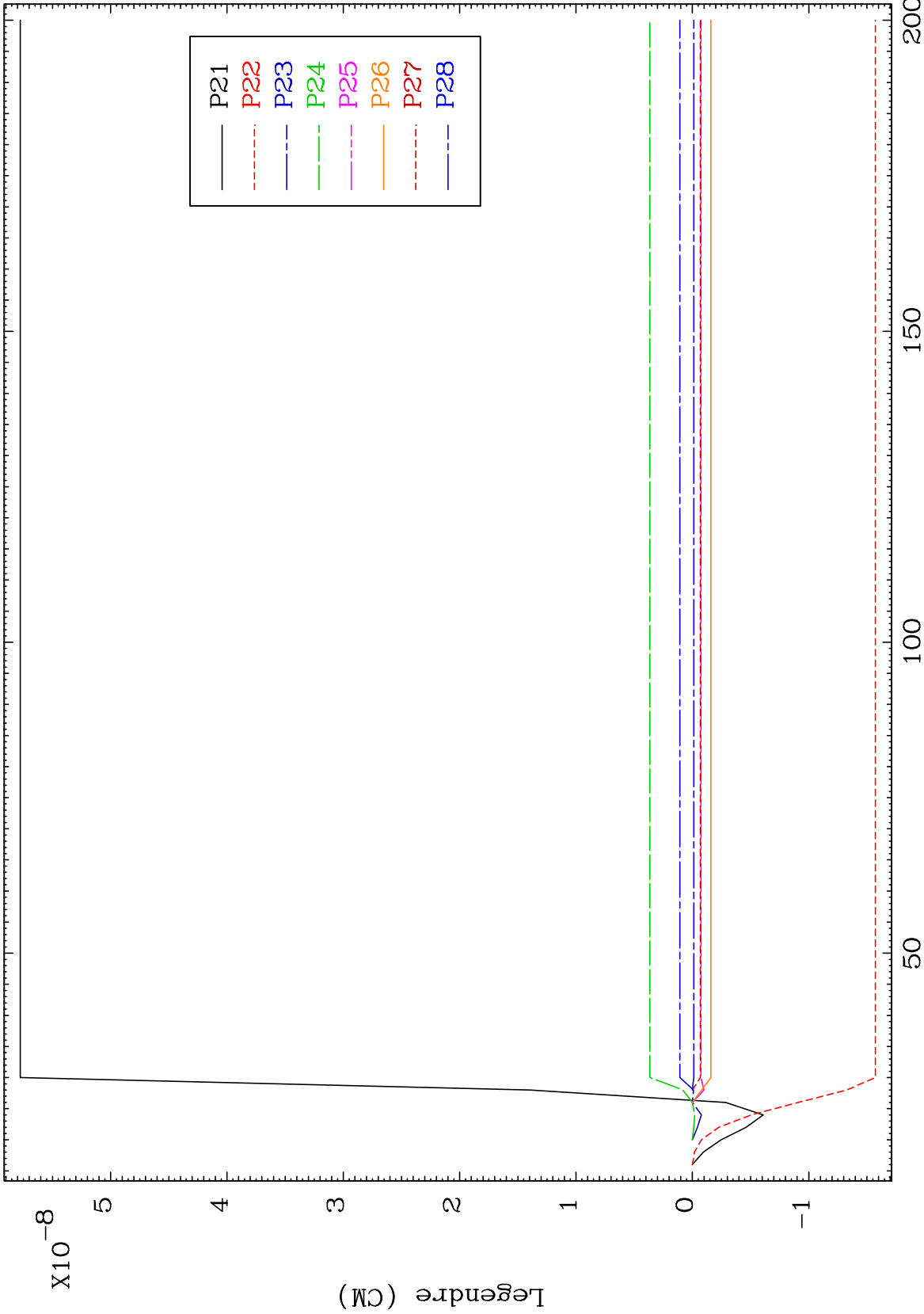




MAT 3916

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

39-Y -86



89

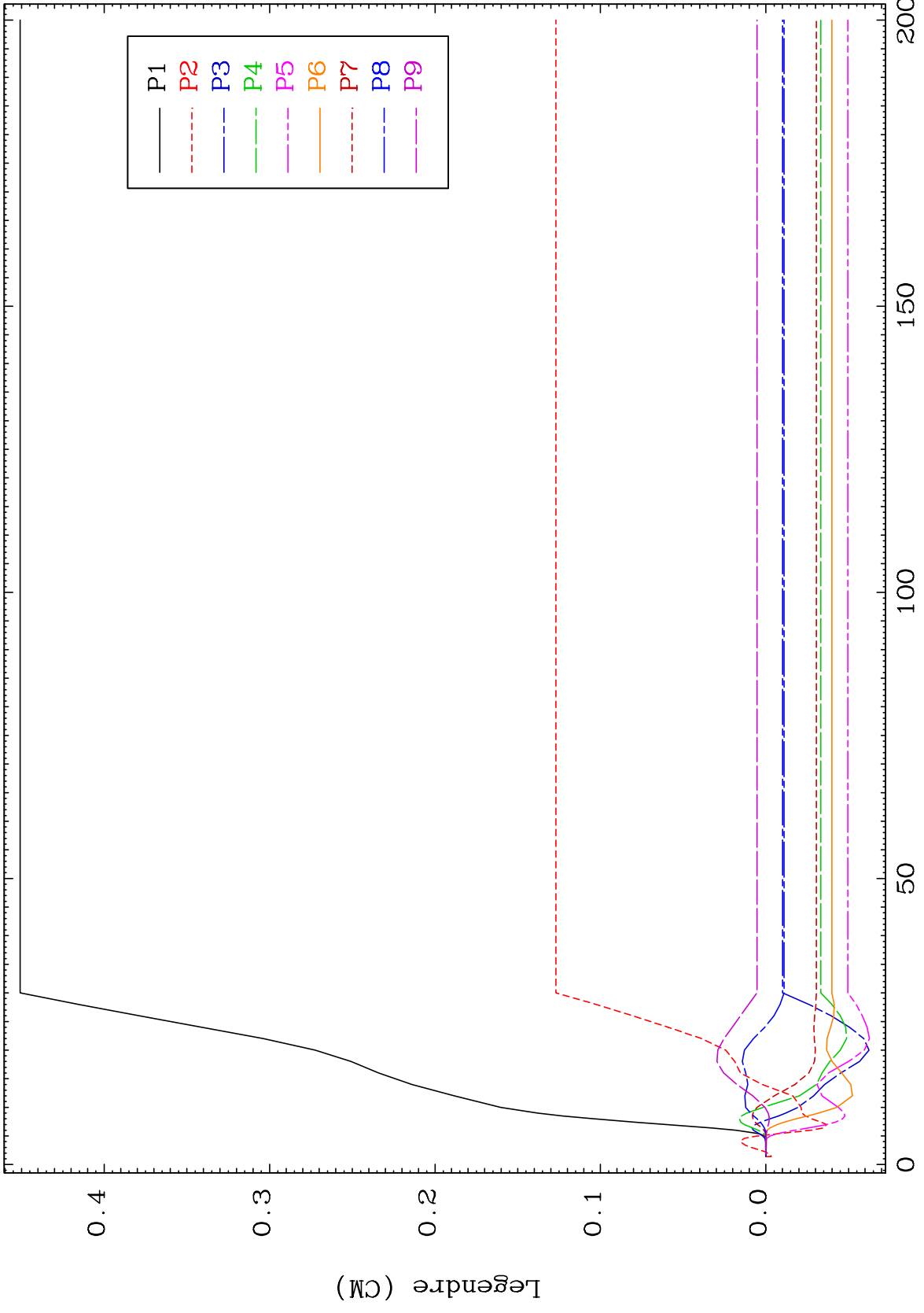
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



90

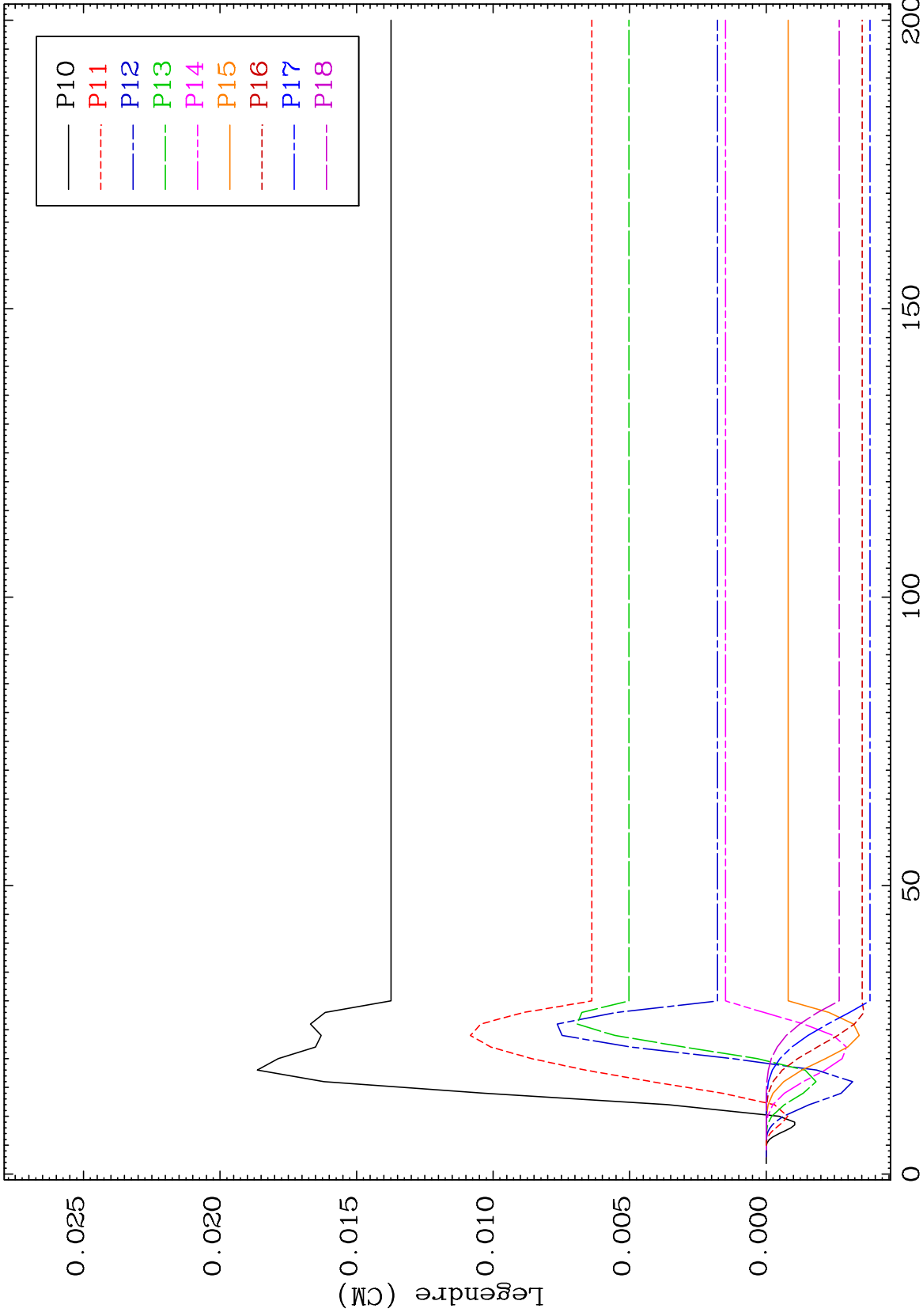
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



91

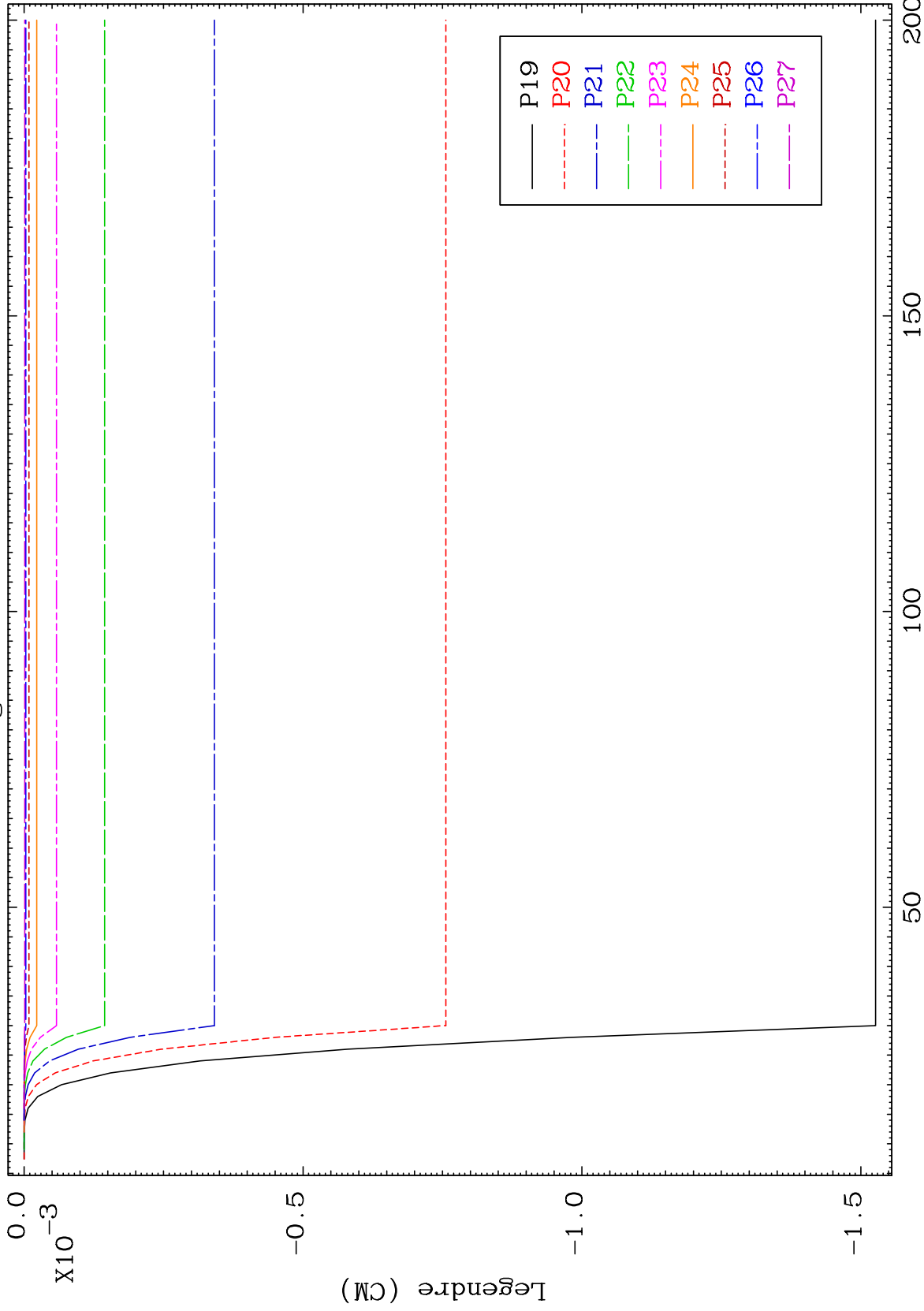
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



92

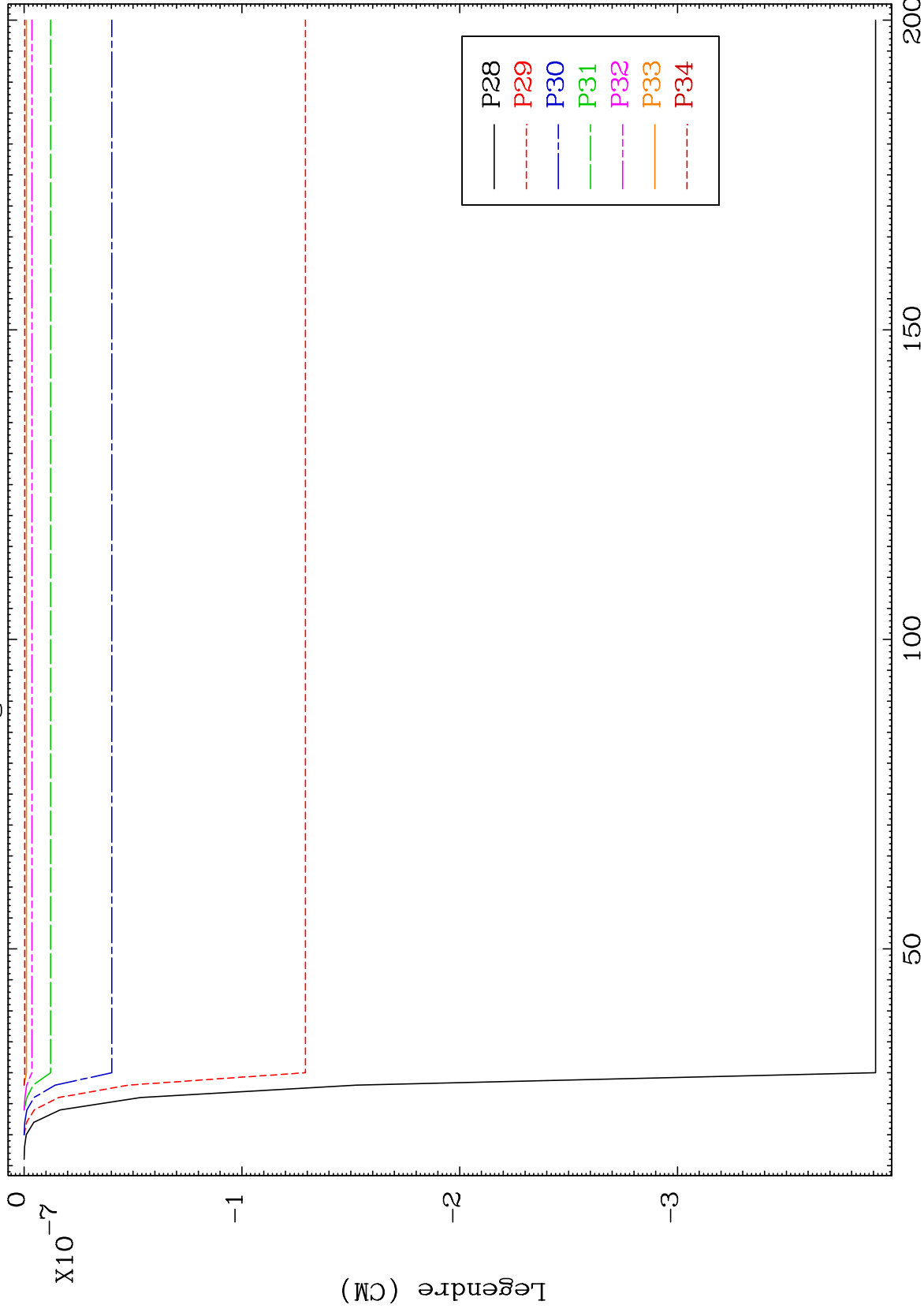
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



39-Y -86

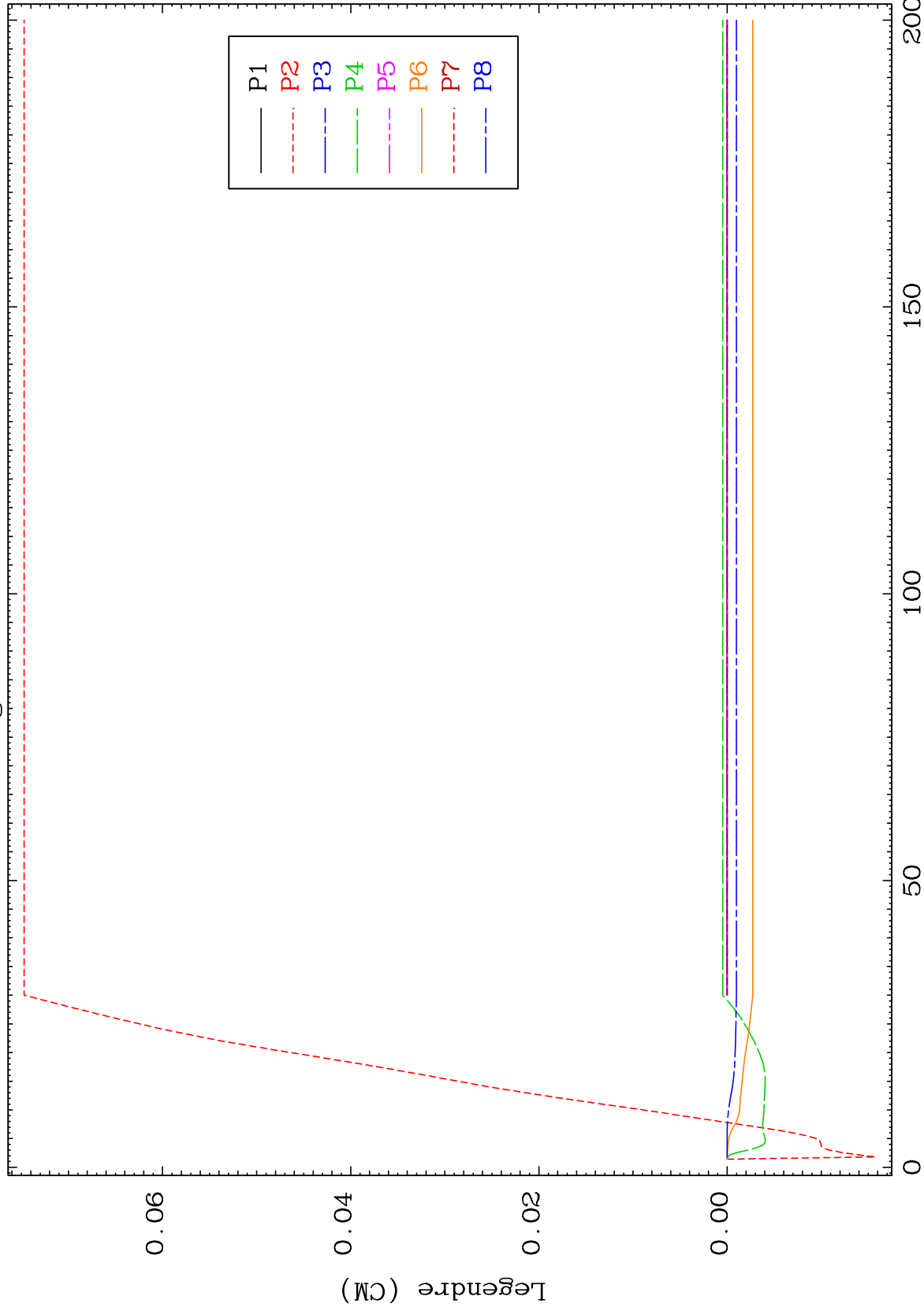
Incident Energy (MeV)

93

MAT 3916

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

39-Y -86



94

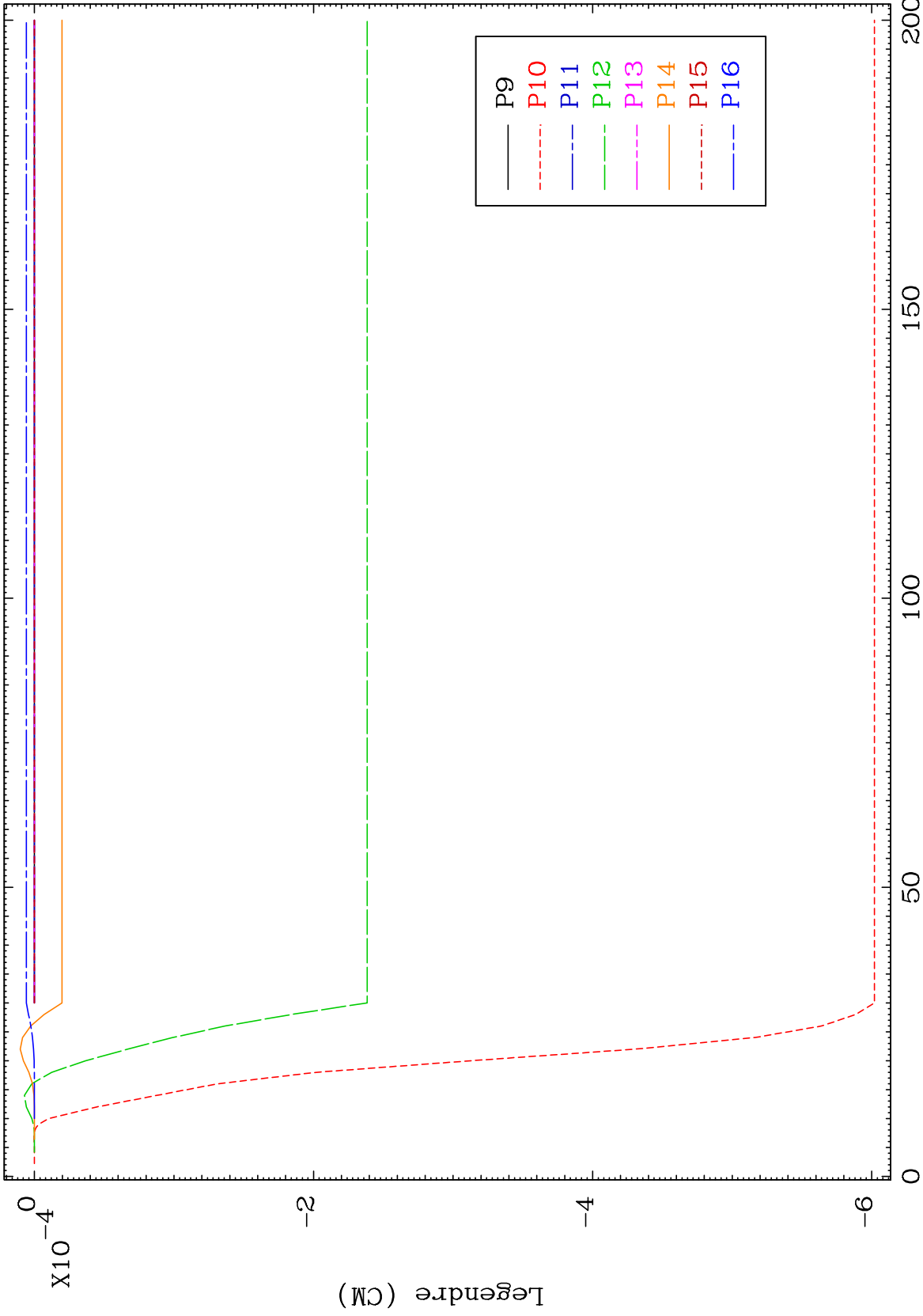
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



95

Incident Energy (MeV)

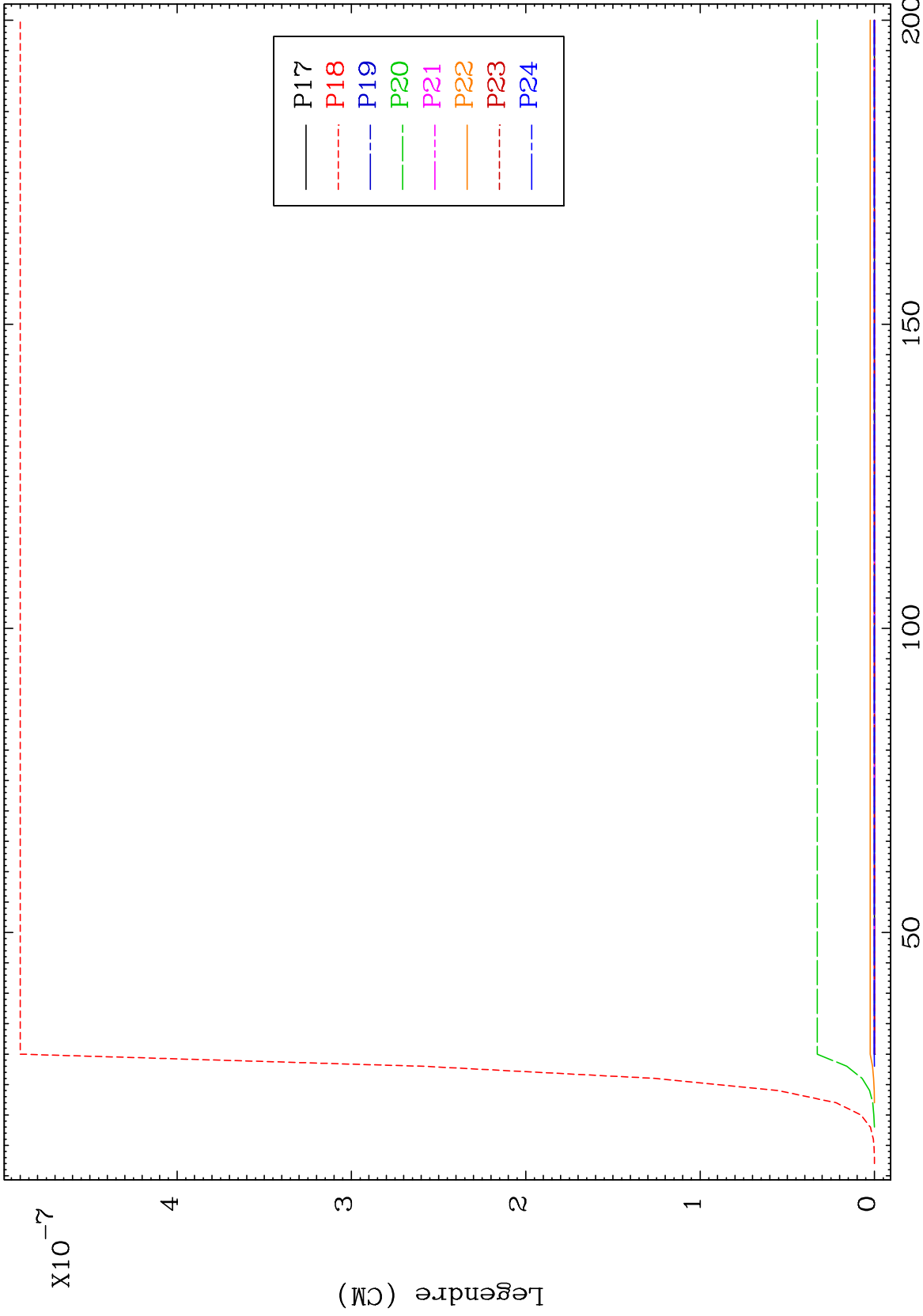
39-Y -86



MAT 3916

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

39-Y -86



96

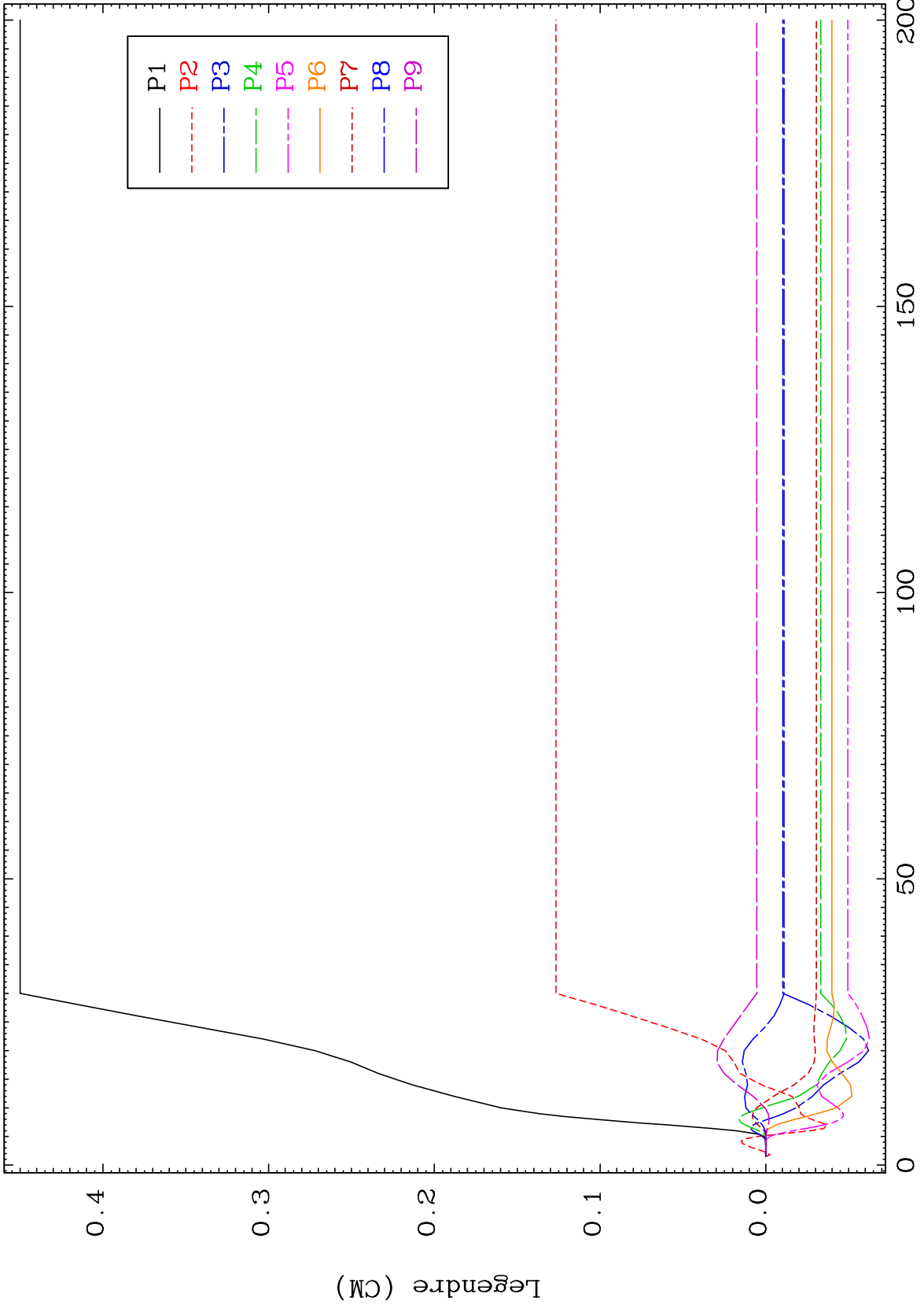
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



97

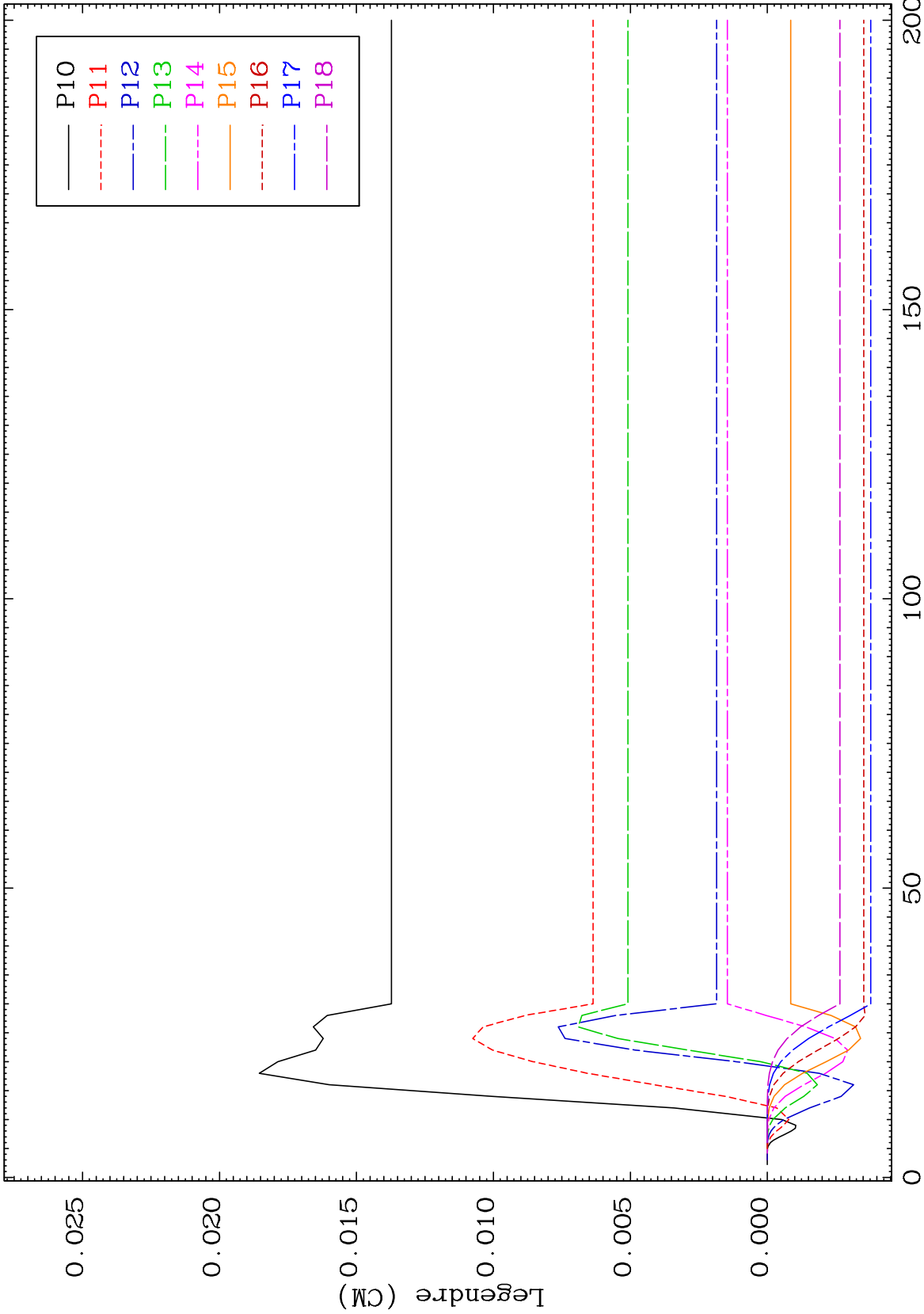
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



98

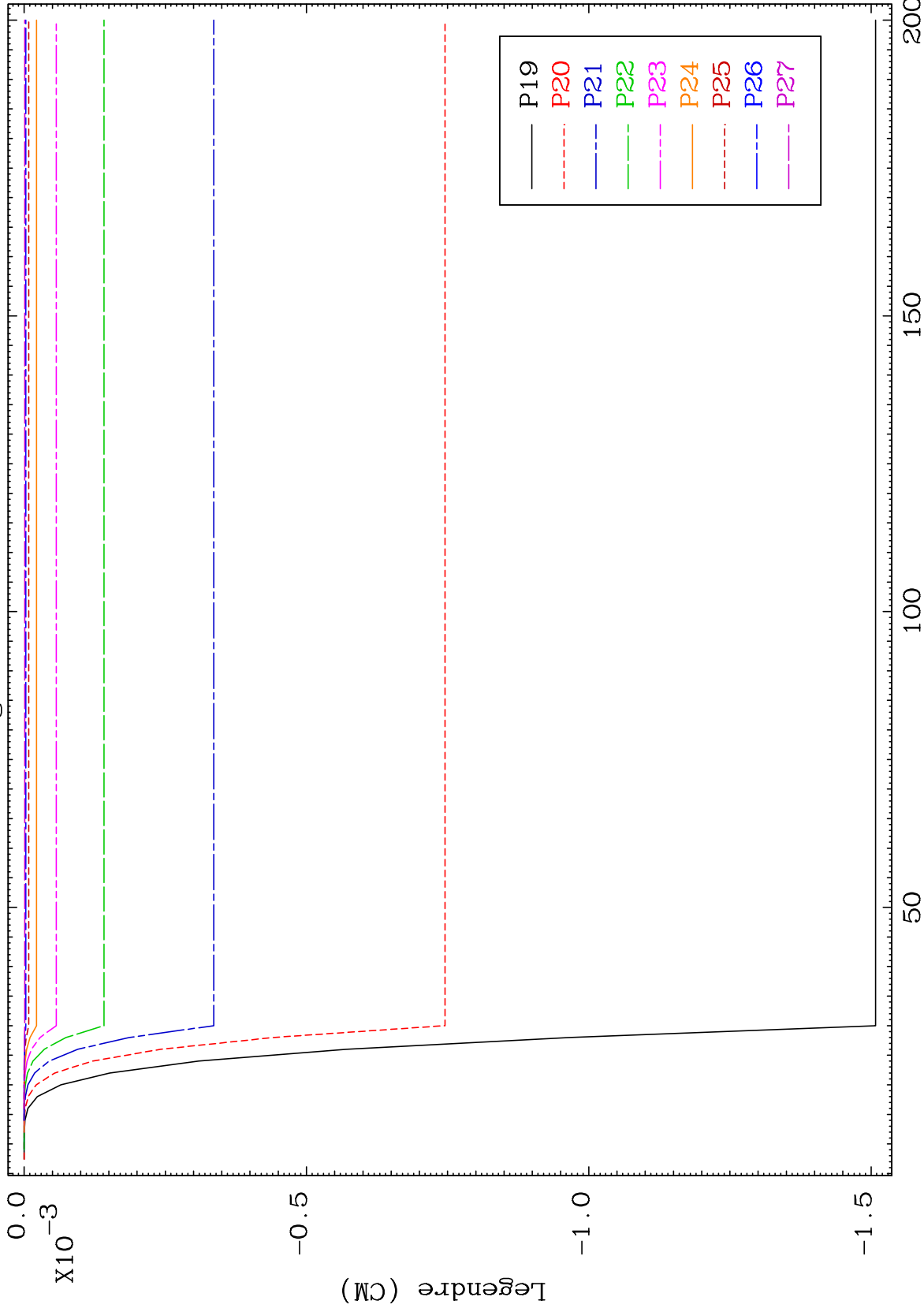
Incident Energy (MeV)

39-Y -86

MAT 3916 MT= 74 (n,n') Level

Legendre Coefficients

39-Y -86



99

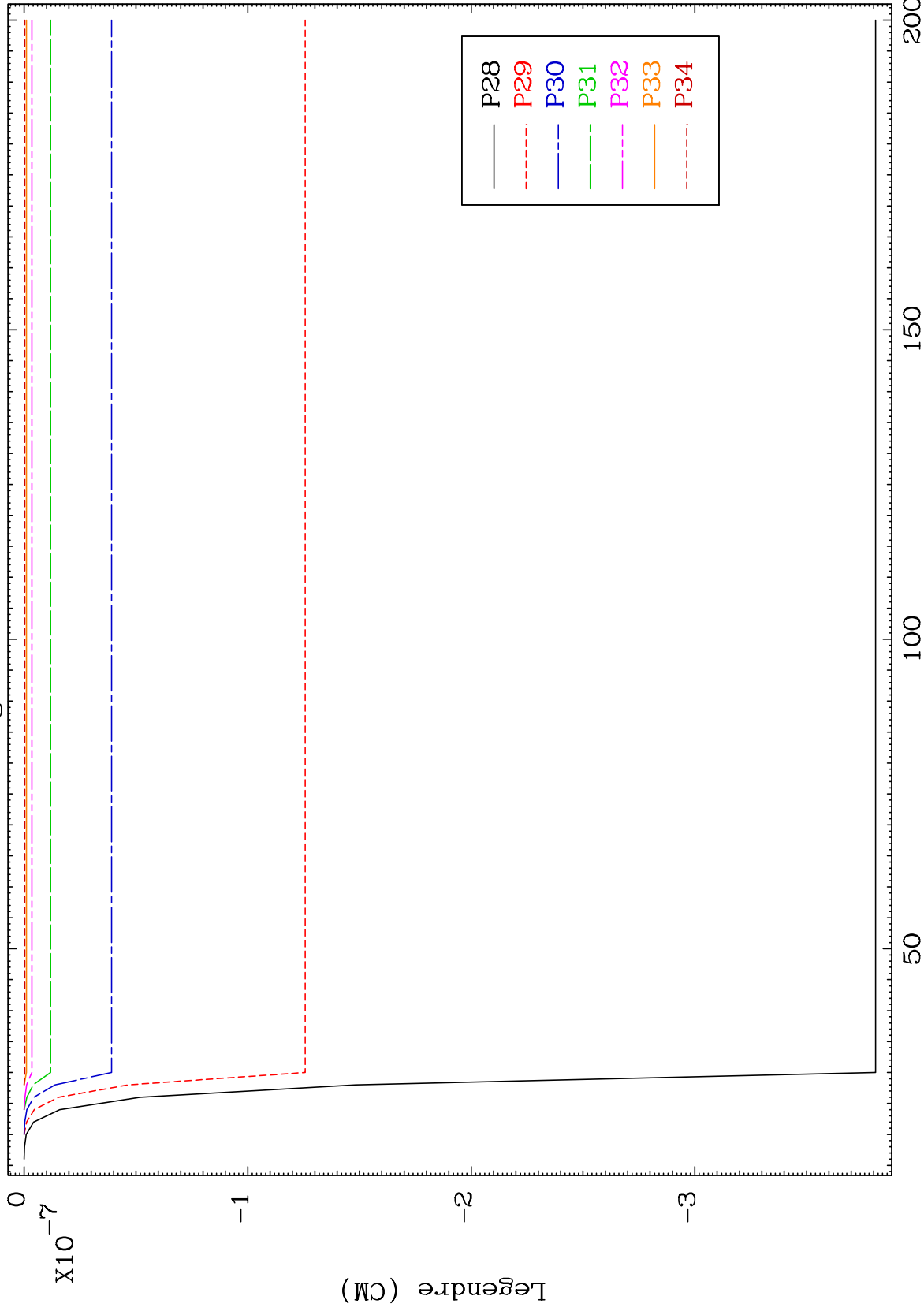
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



39-Y -86

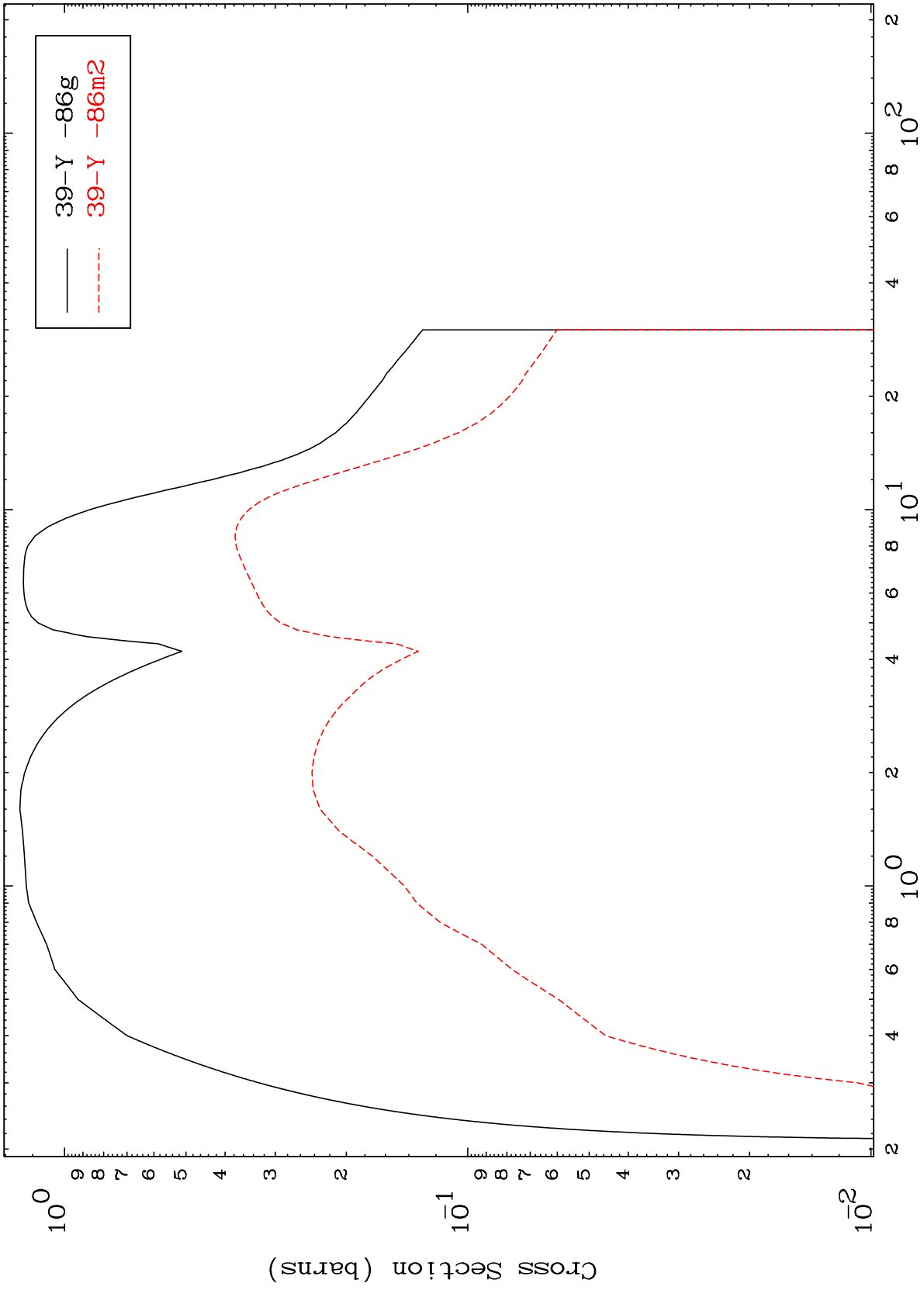
Incident Energy (MeV)

100

MAT 3916

39-Y -86

# Inelastic Radionuclide Production Cross Section



101

Incident Energy (MeV)

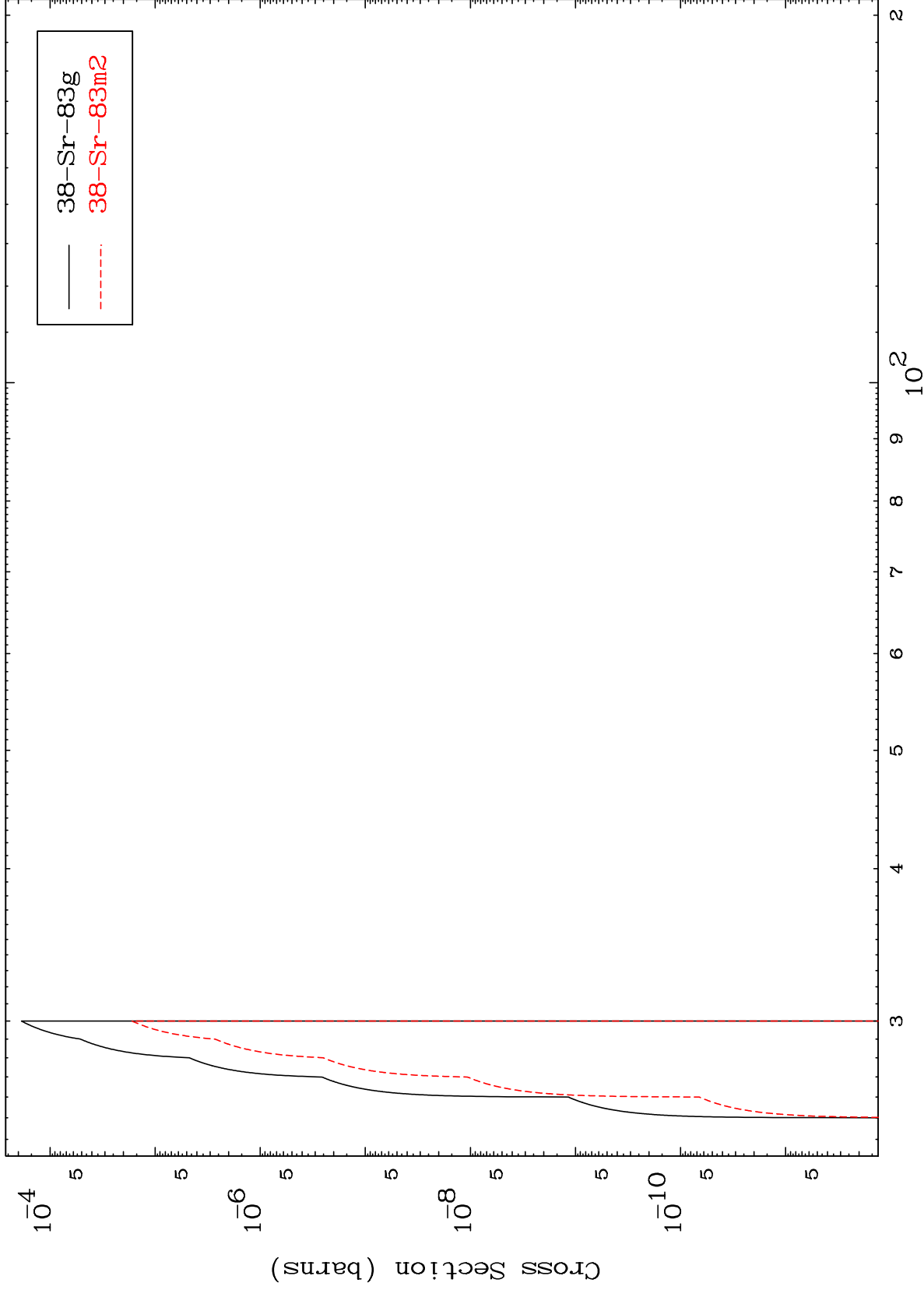
39-Y -86

MAT 3916

(n,2n) d

39-Y -86

Radionuclide Production Cross Section



102

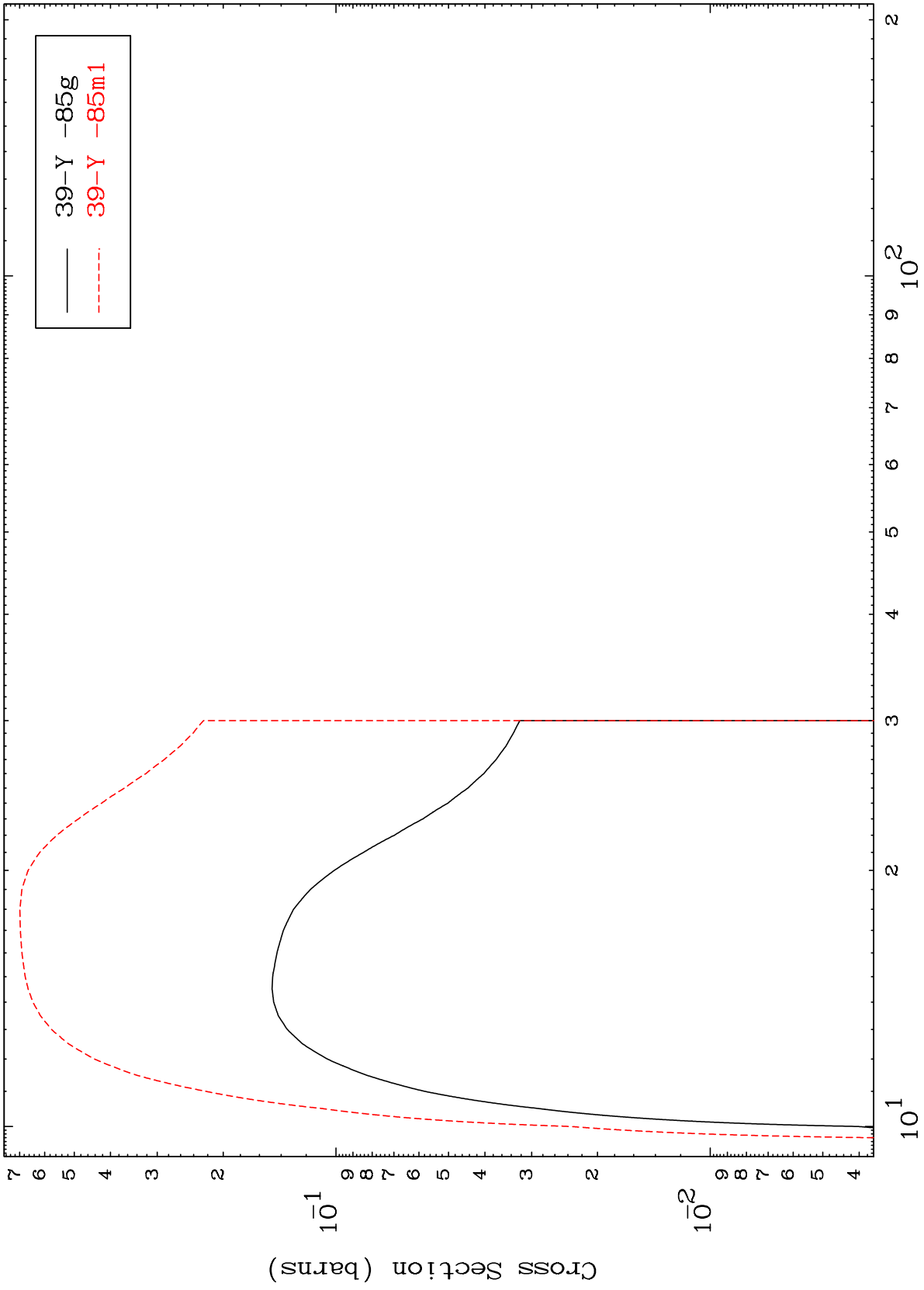
Incident Energy (MeV)

39-Y -86

MAT 3916

39-Y -86

(n,2n)  
Radionuclide Production Cross Section



39-Y -86

Incident Energy (MeV)

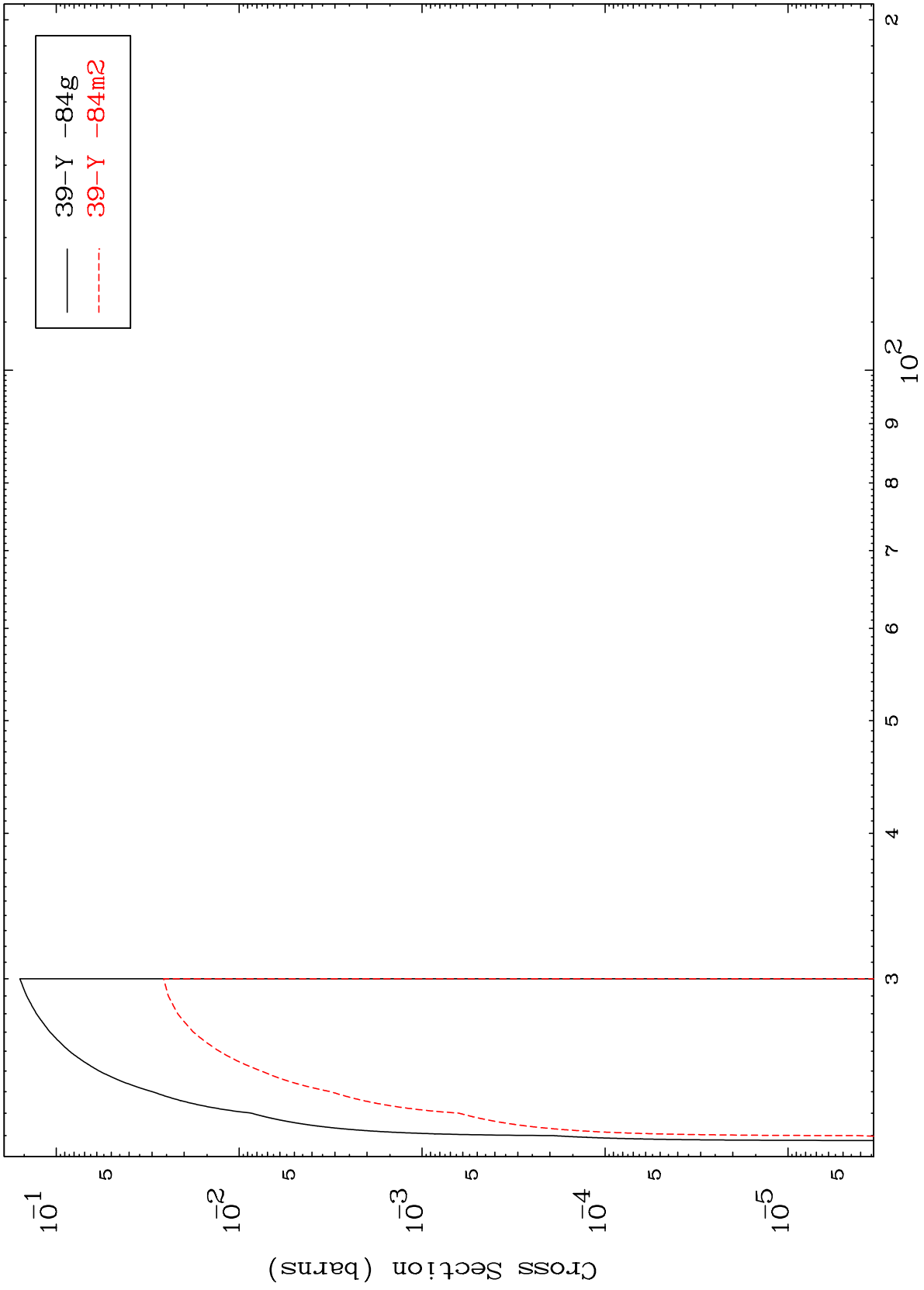
103



MAT 3916

39-Y -86

Radionuclide Production Cross Section  
(n,3n)



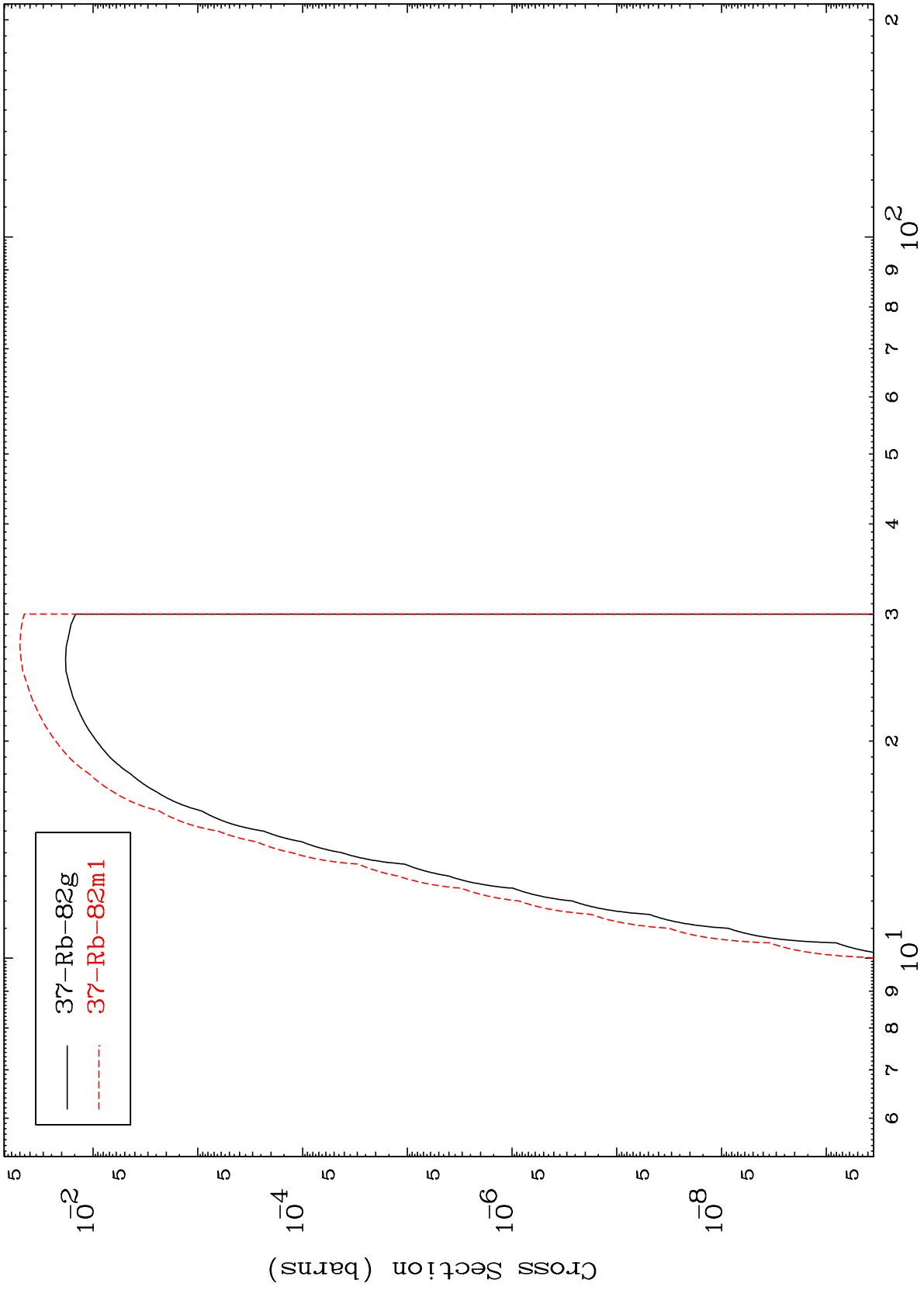
104

39-Y -86

MAT 3916

39-Y -86

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



105

Incident Energy (MeV)

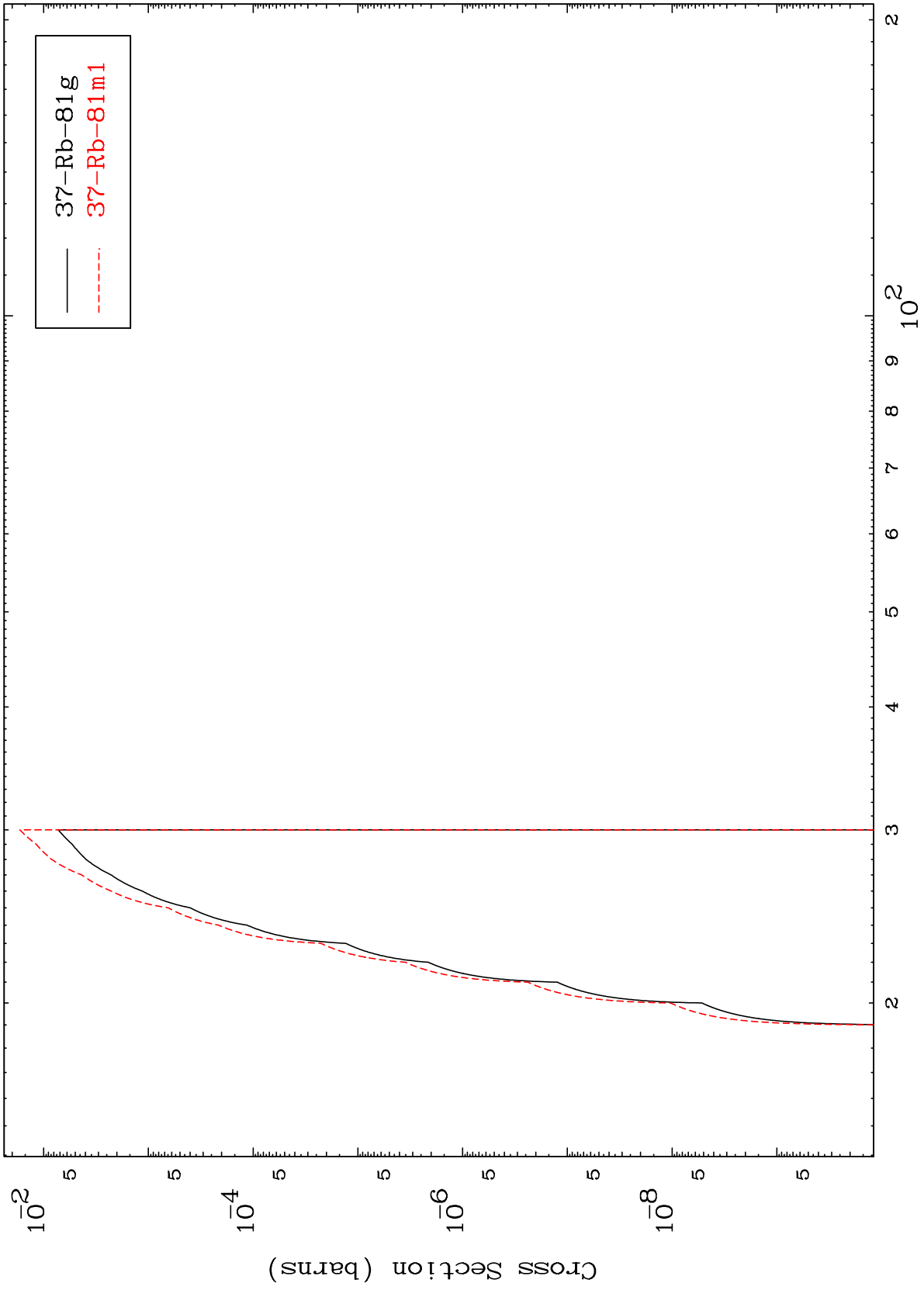
39-Y -86

MAT 3916

(n,2n)  $\alpha$

39-Y -86

Radionuclide Production Cross Section



106

Incident Energy (MeV)

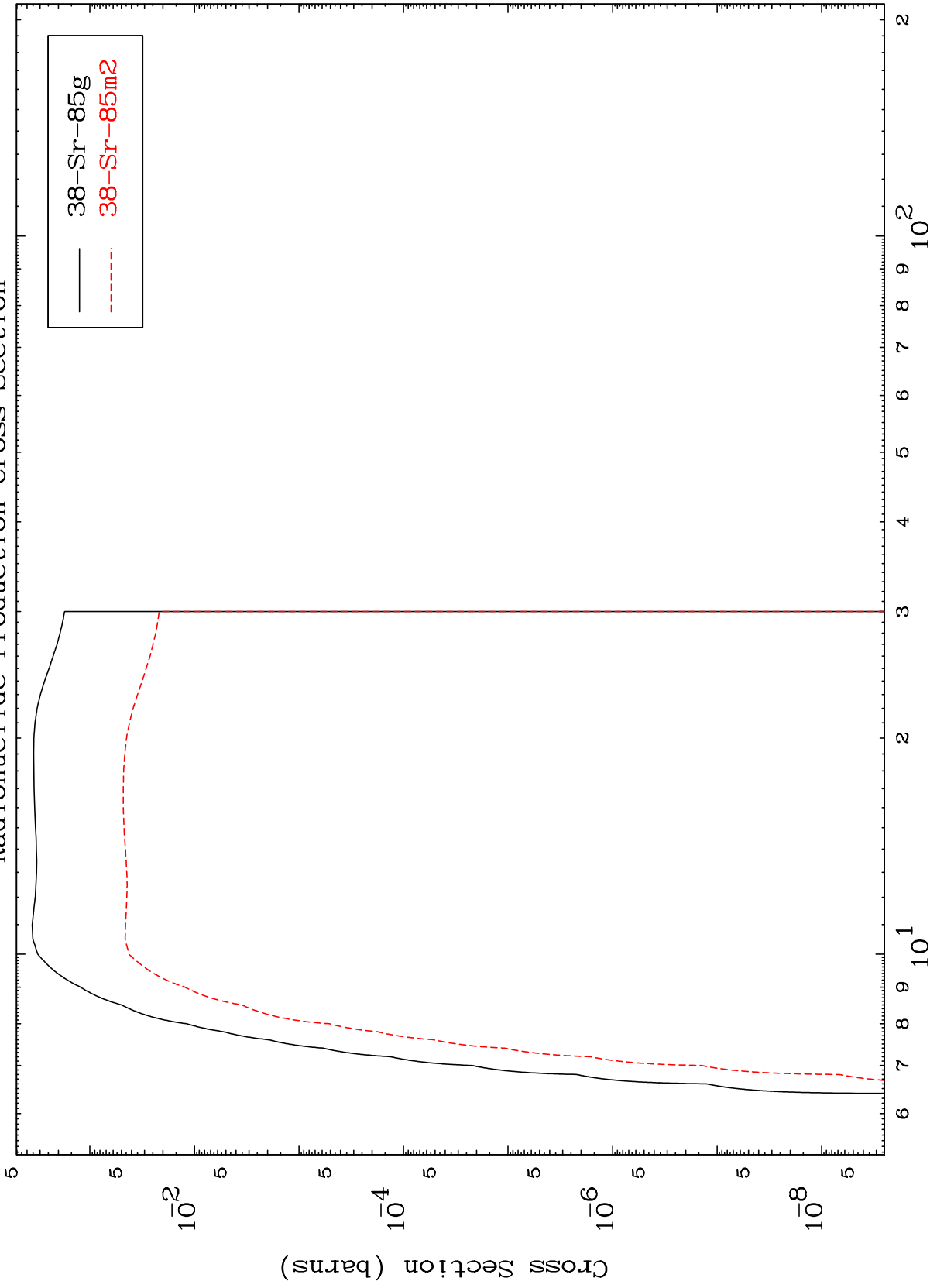
39-Y -86

MAT 3916

(n,n') p

39-Y -86

Radionuclide Production Cross Section



107

Incident Energy (MeV)

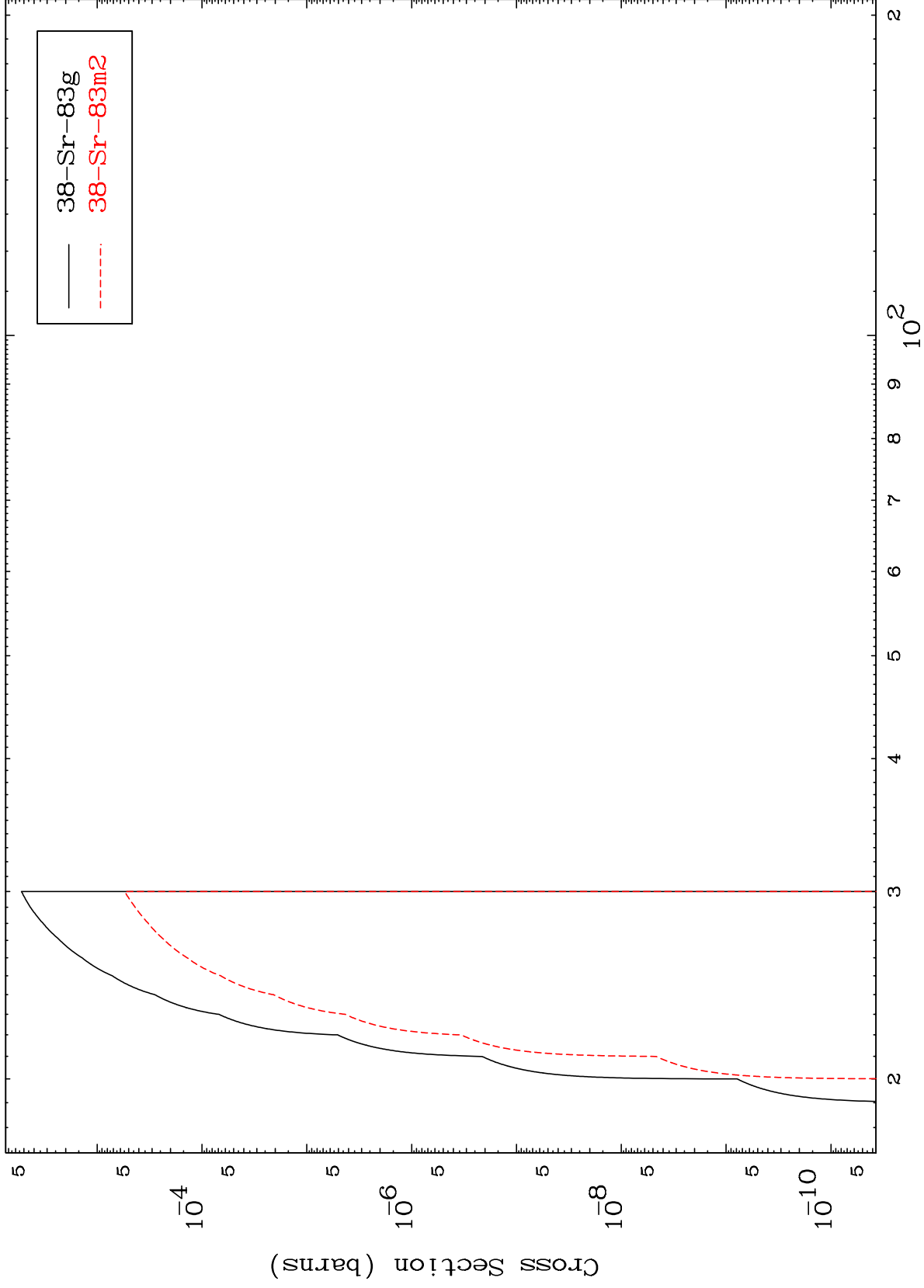
39-Y -86

MAT 3916

(n,n') t

39-Y -86

Radionuclide Production Cross Section



108

Incident Energy (MeV)

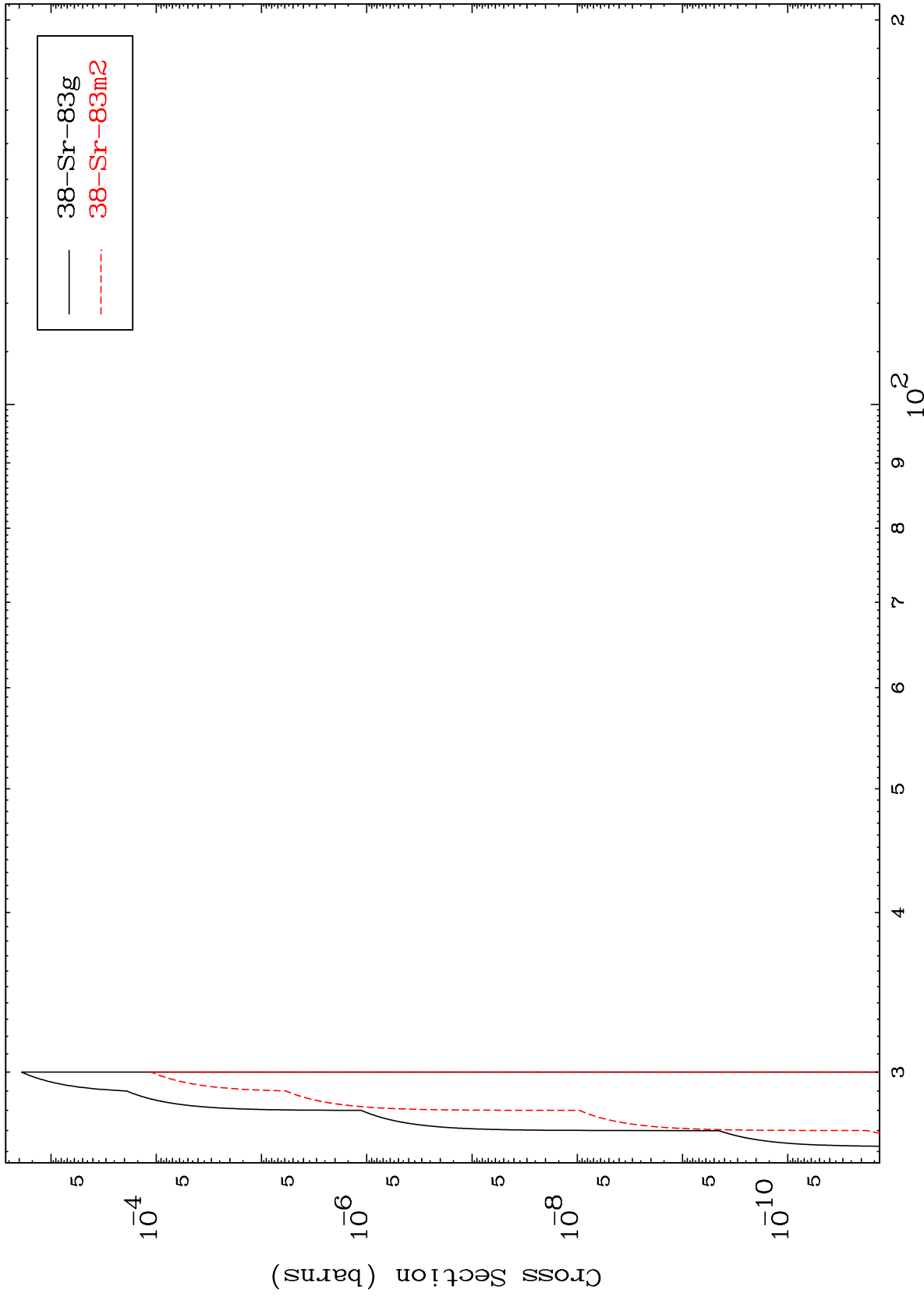
39-Y -86

MAT 3916

(n,3n) p

39-Y -86

Radionuclide Production Cross Section



109

Incident Energy (MeV)

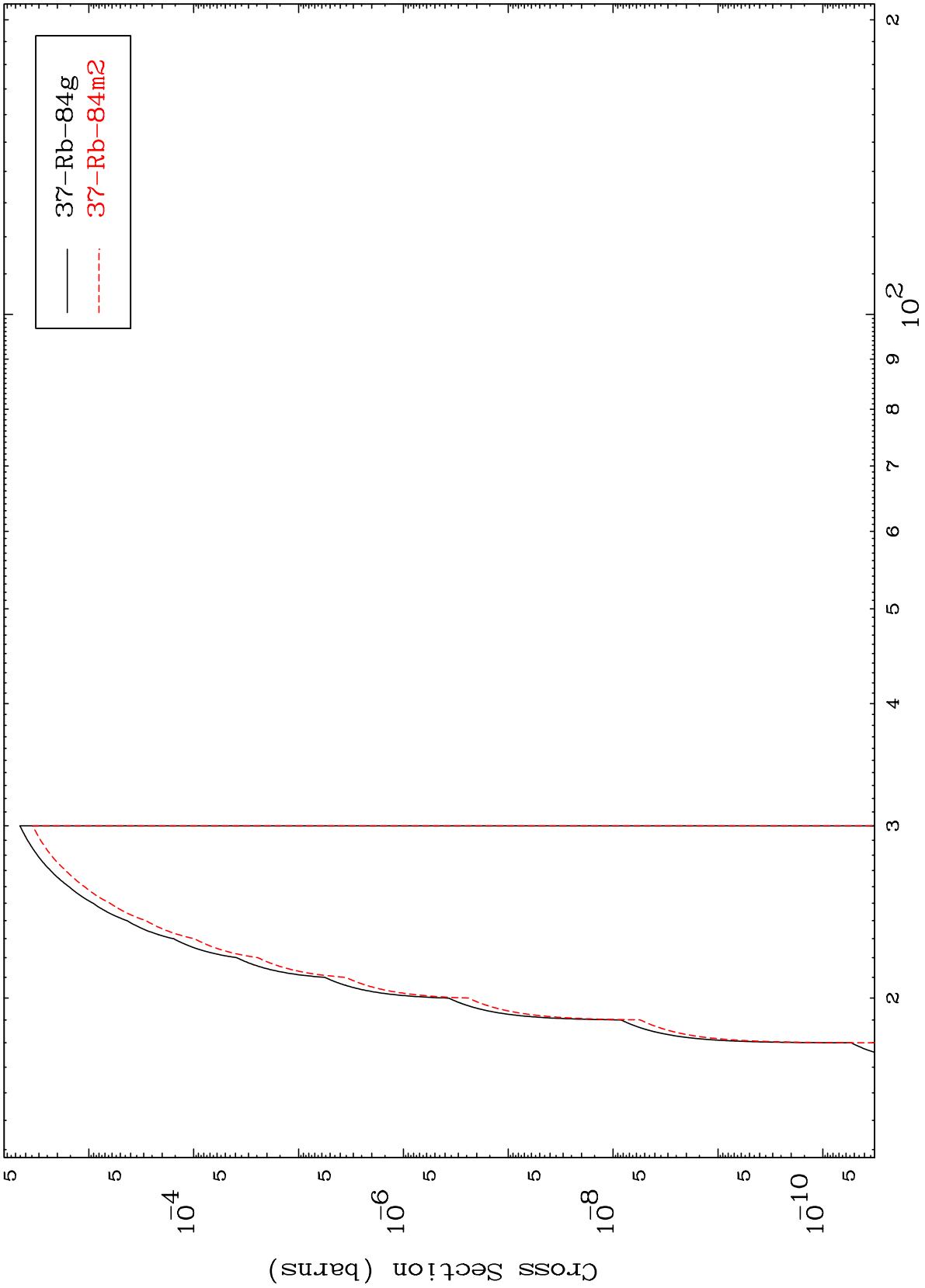
39-Y -86

MAT 3916

(n,2n) p

39-Y -86

Radionuclide Production Cross Section



110

Incident Energy (MeV)

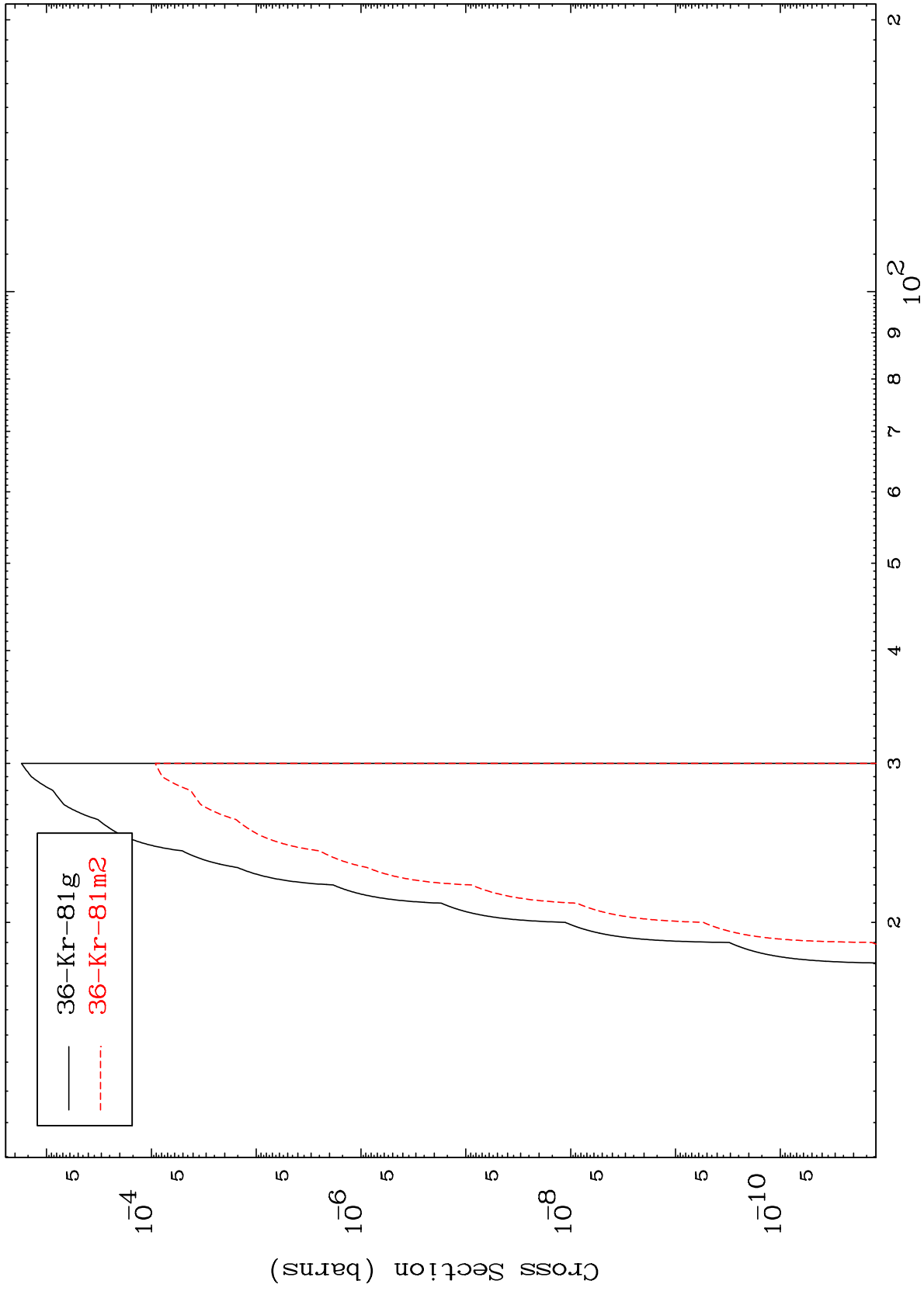
39-Y -86

MAT 3916

(n,n') p  $\alpha$

39-Y -86

Radionuclide Production Cross Section



111

Incident Energy (MeV)

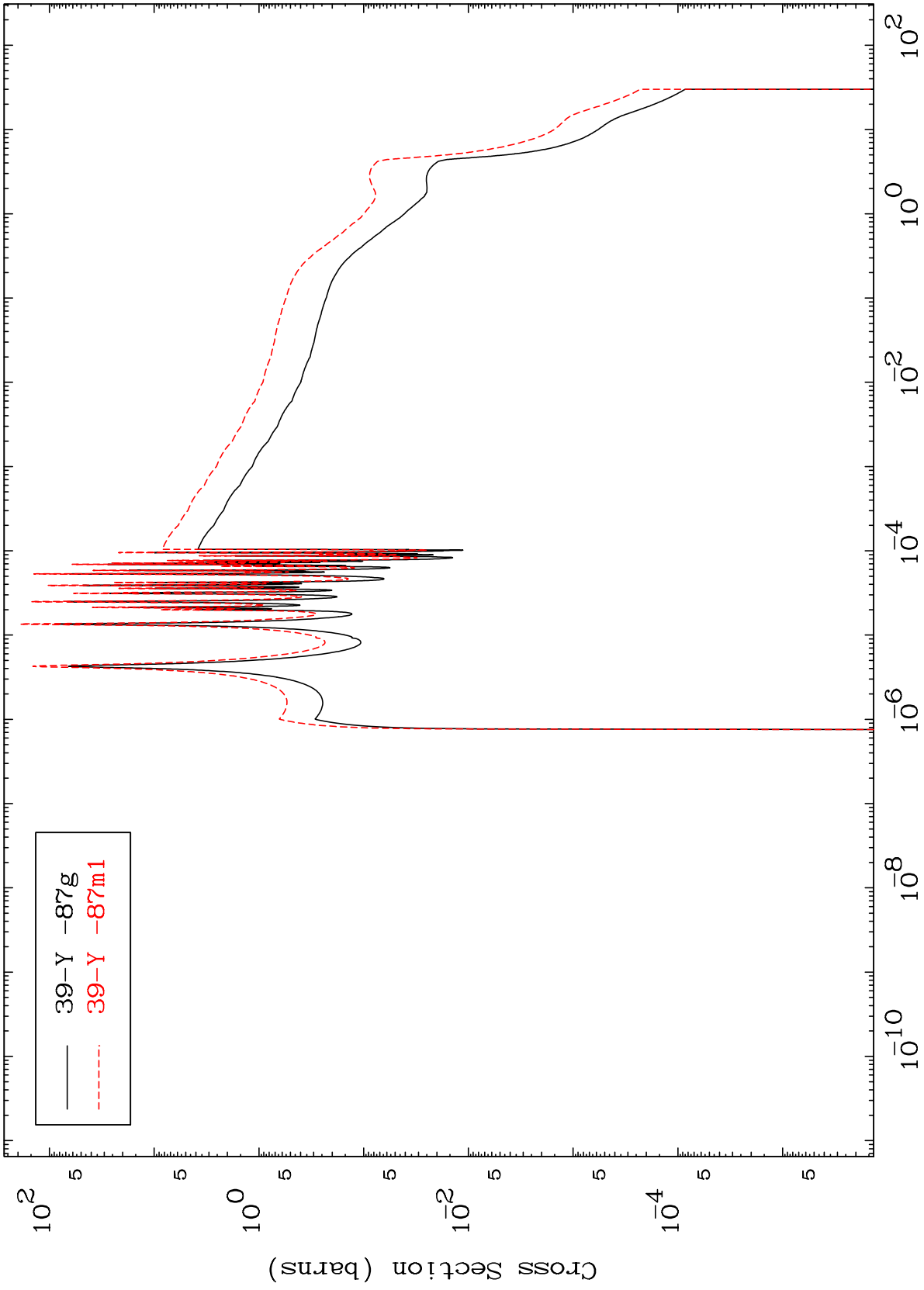
39-Y -86



MAT 3916

39-Y -86

Radionuclide Production Cross Section (n,γ)



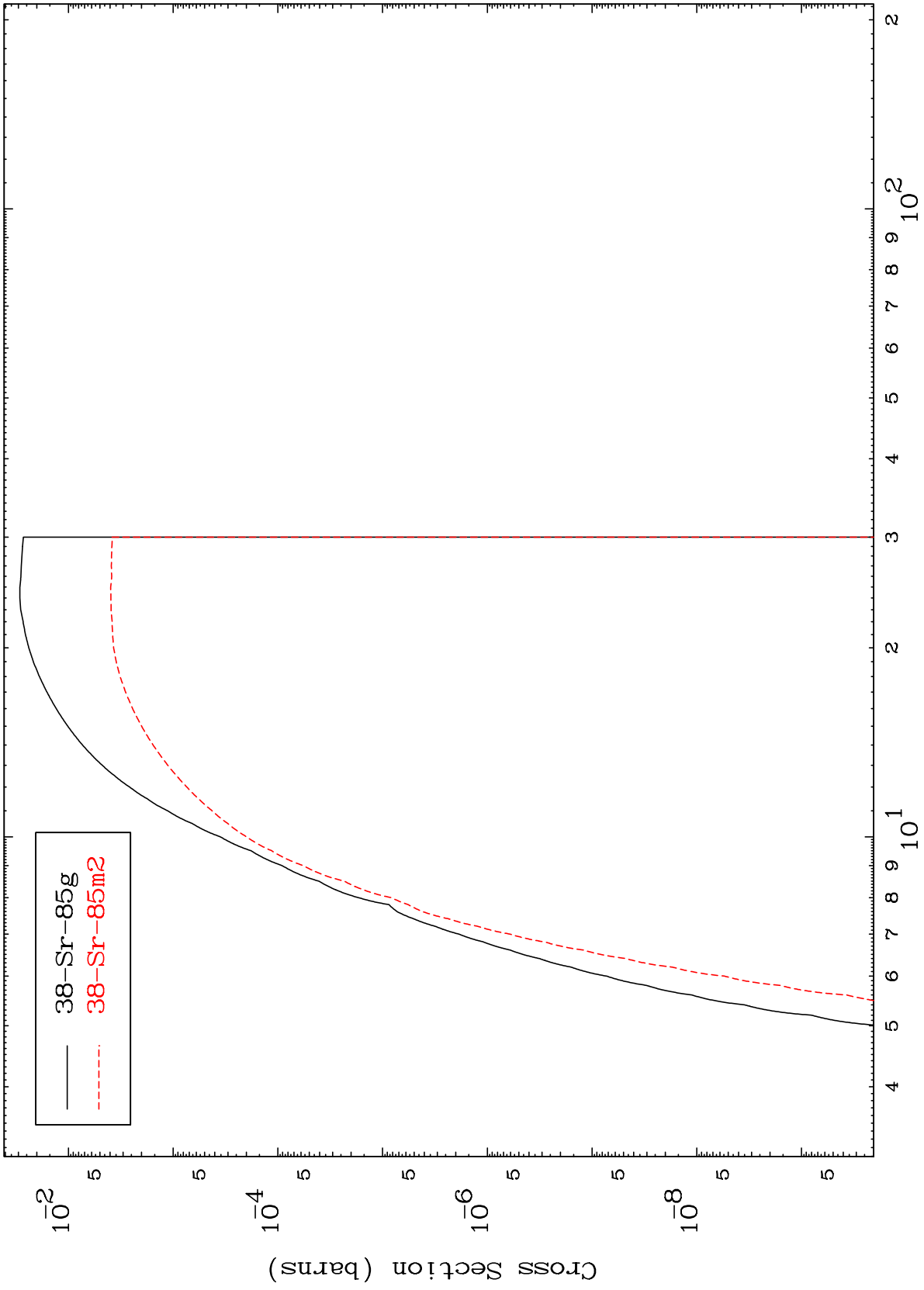
112

39-Y -86

MAT 3916

39-Y -86

(n,d)  
Radionuclide Production Cross Section



113

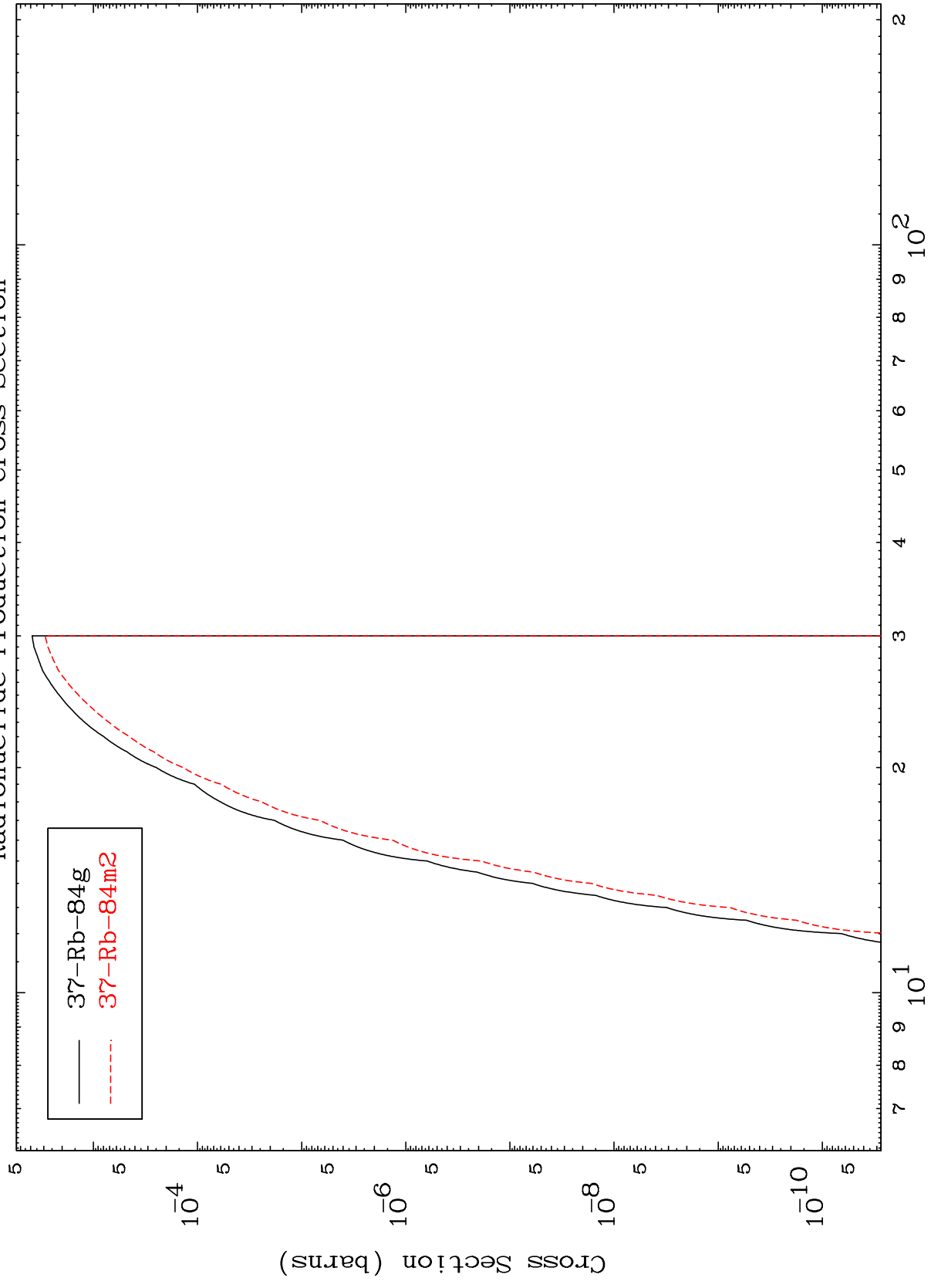
39-Y -86

MAT 3916

(n,He-3)

39-Y -86

Radionuclide Production Cross Section



Legend:  
— 37-Rb-84g  
- - - 37-Rb-84m2

114

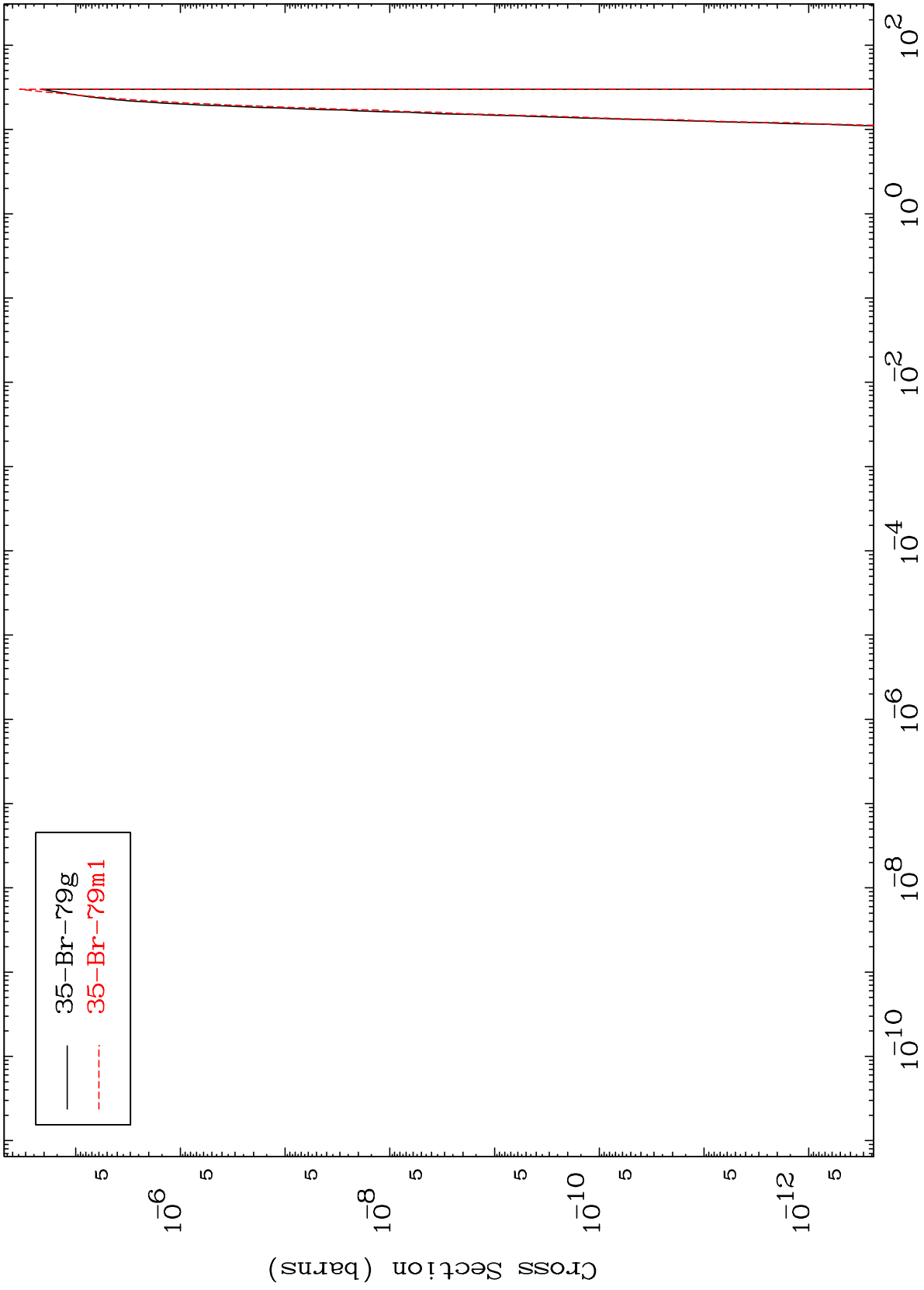
Incident Energy (MeV)

39-Y -86

MAT 3916

Radionuclide Production Cross Section  
(n,2α)

39-Y -86

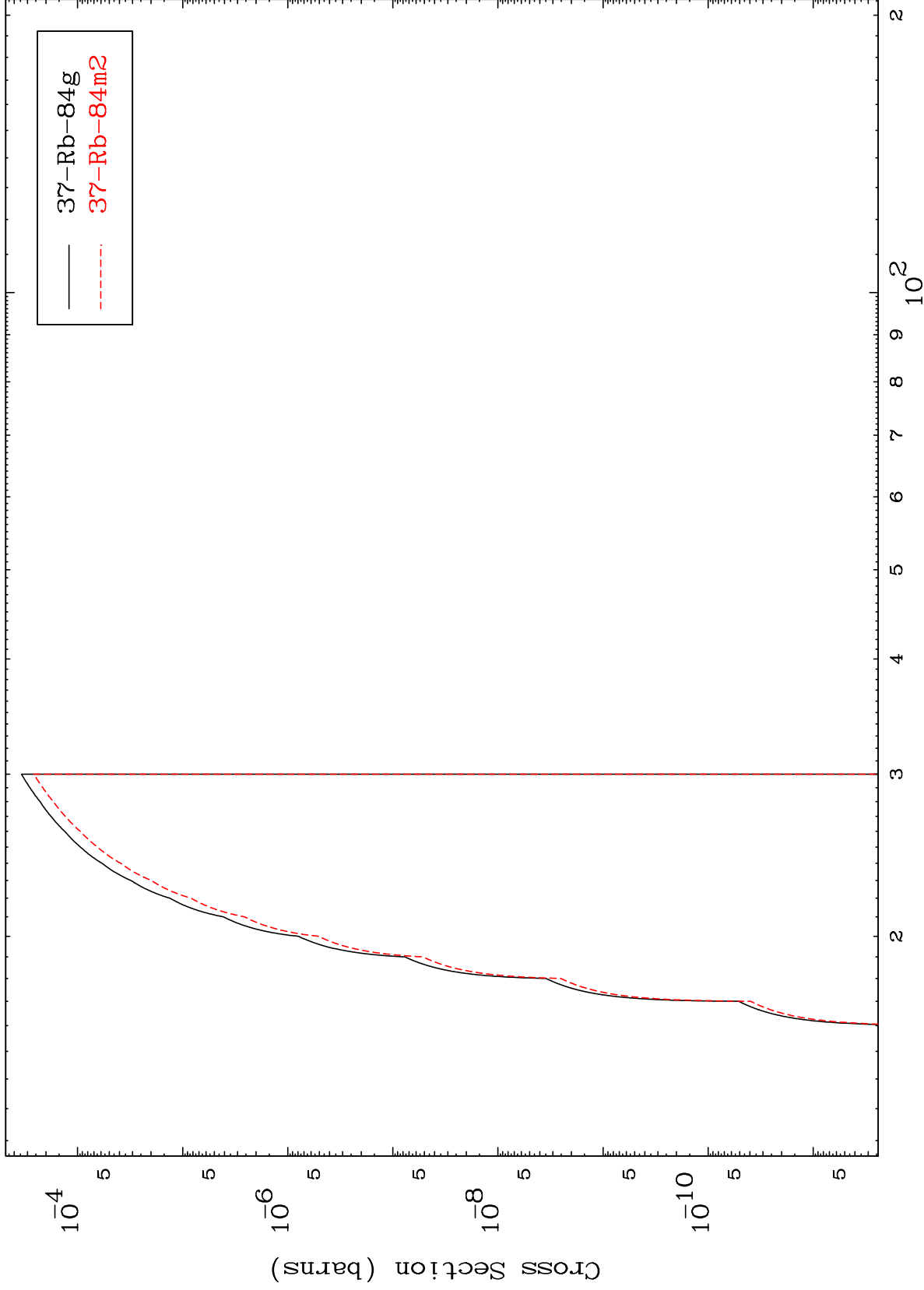


115

Incident Energy (MeV)

39-Y -86

Radionuclide Production Cross Section

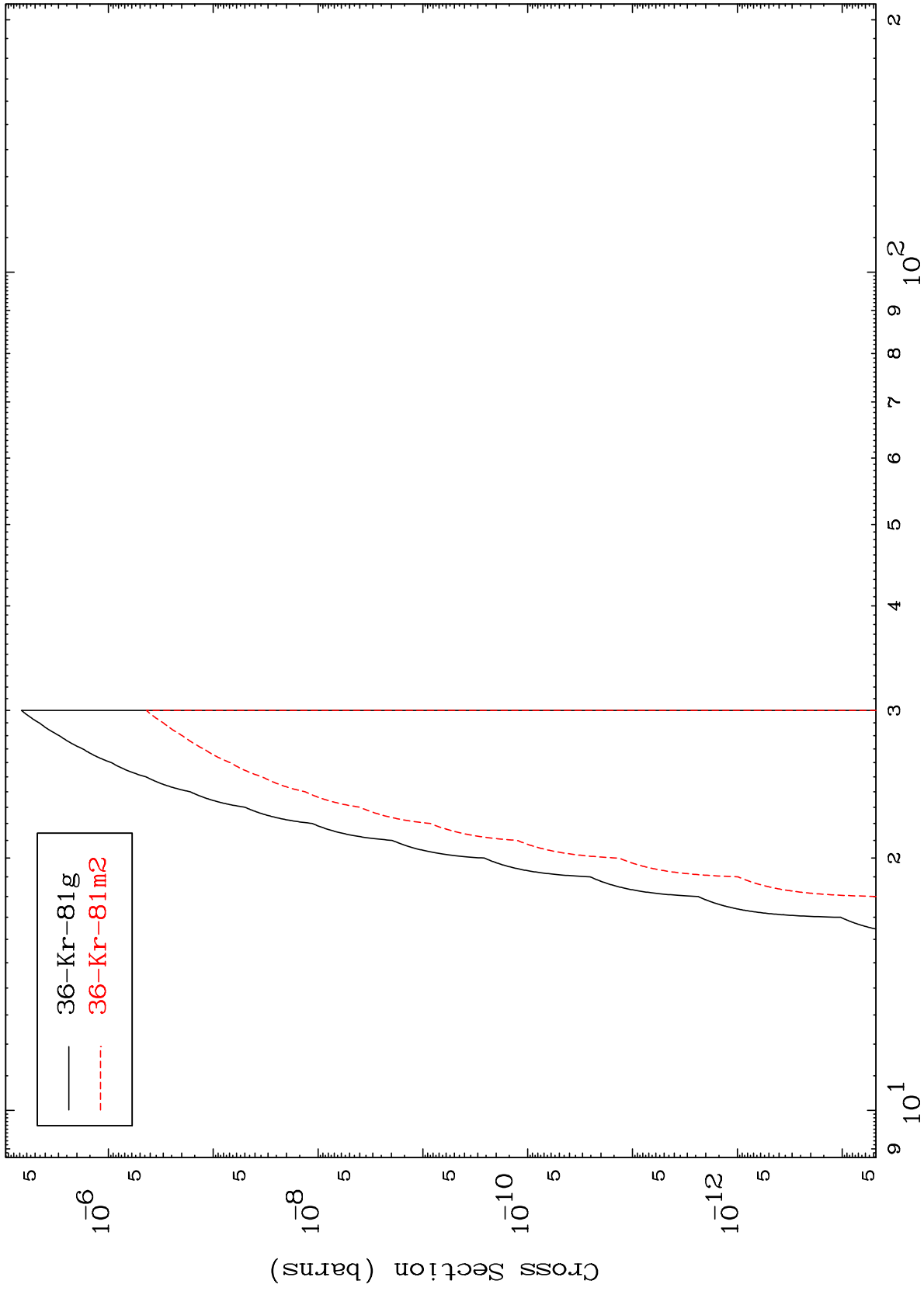


MAT 3916

(n,d)  $\alpha$

39-Y -86

Radionuclide Production Cross Section



117

Incident Energy (MeV)

39-Y -86