

Program EVALPLOT  
(Version 2021-1)

by

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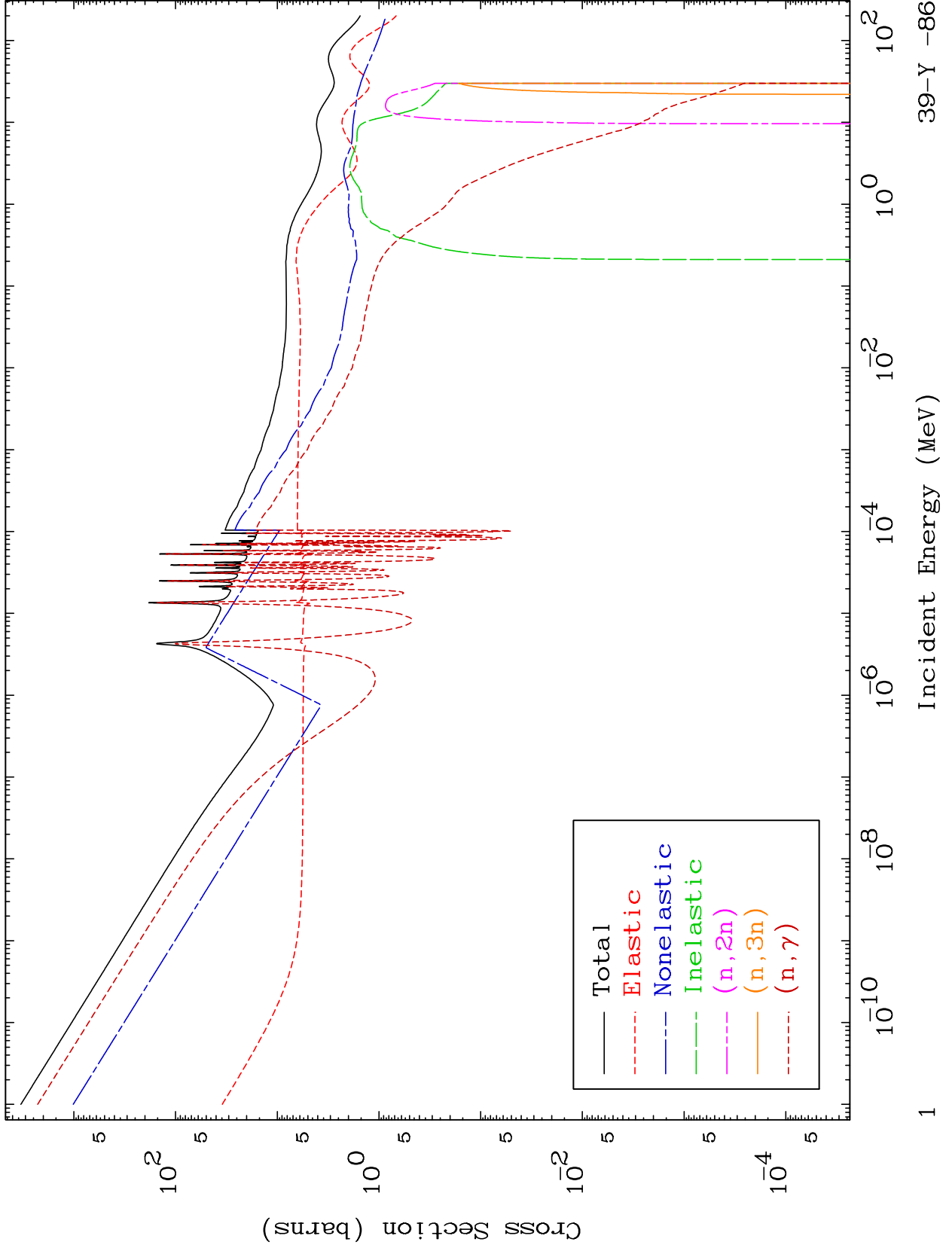
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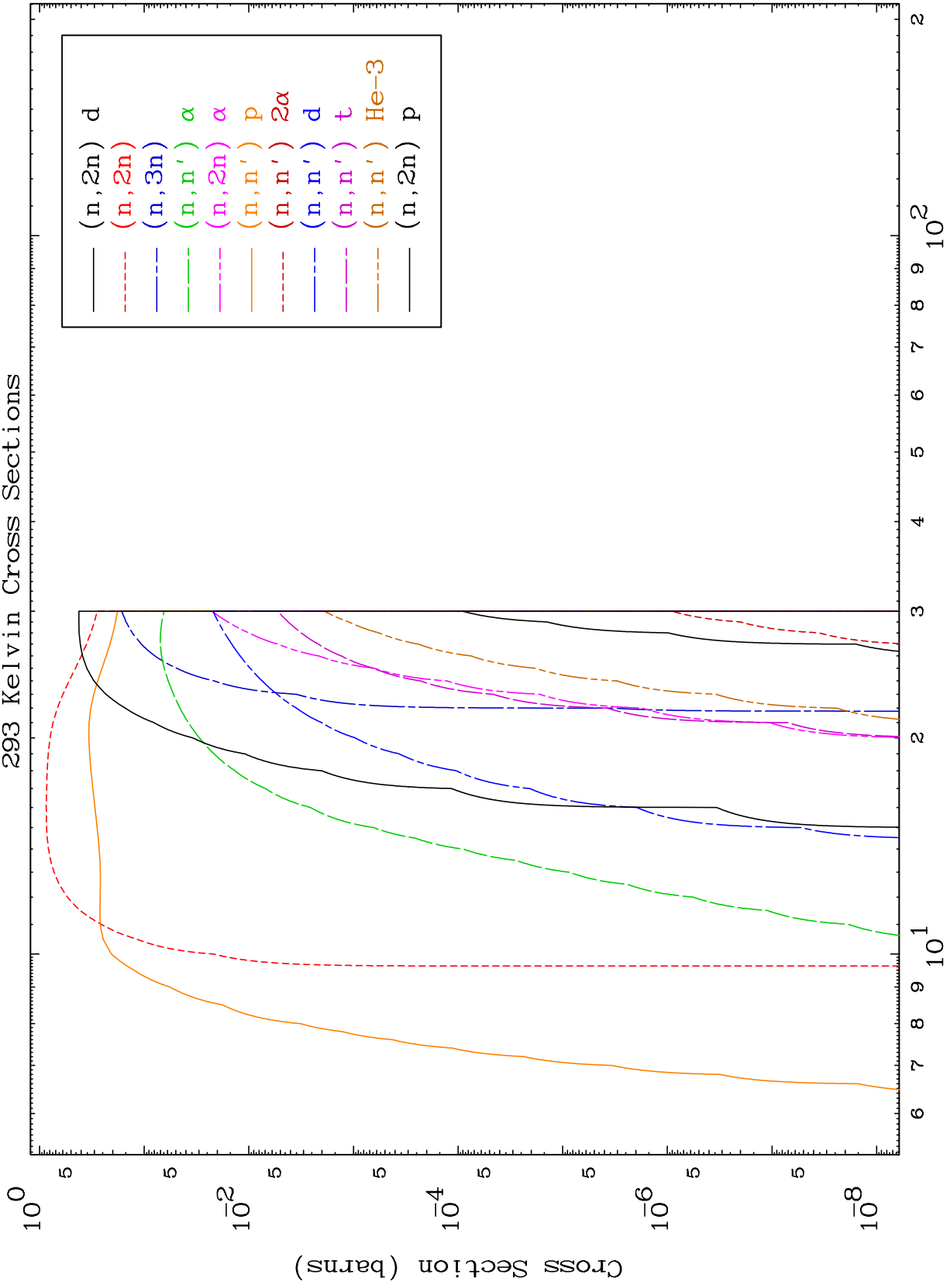
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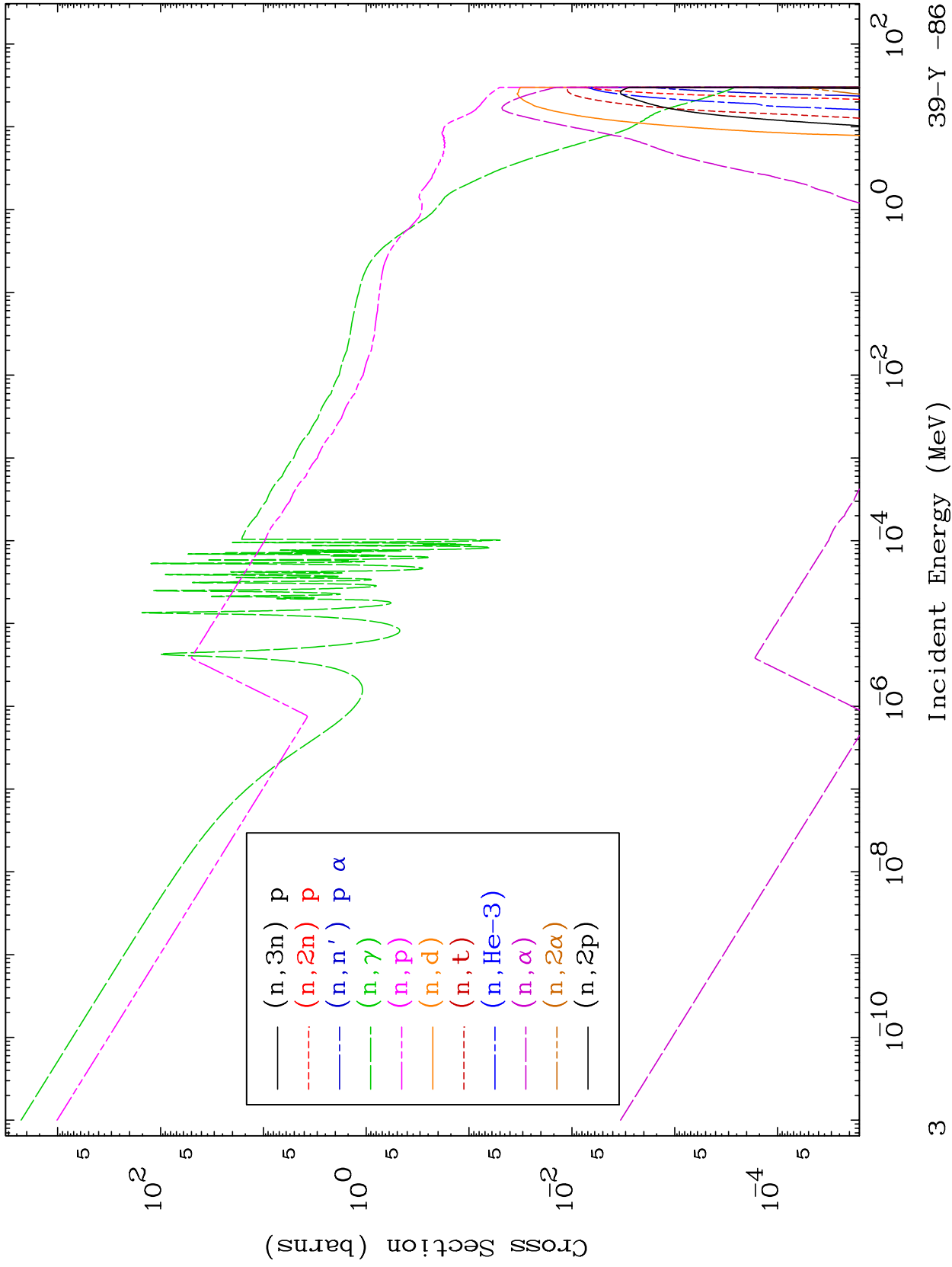
MAT 3916

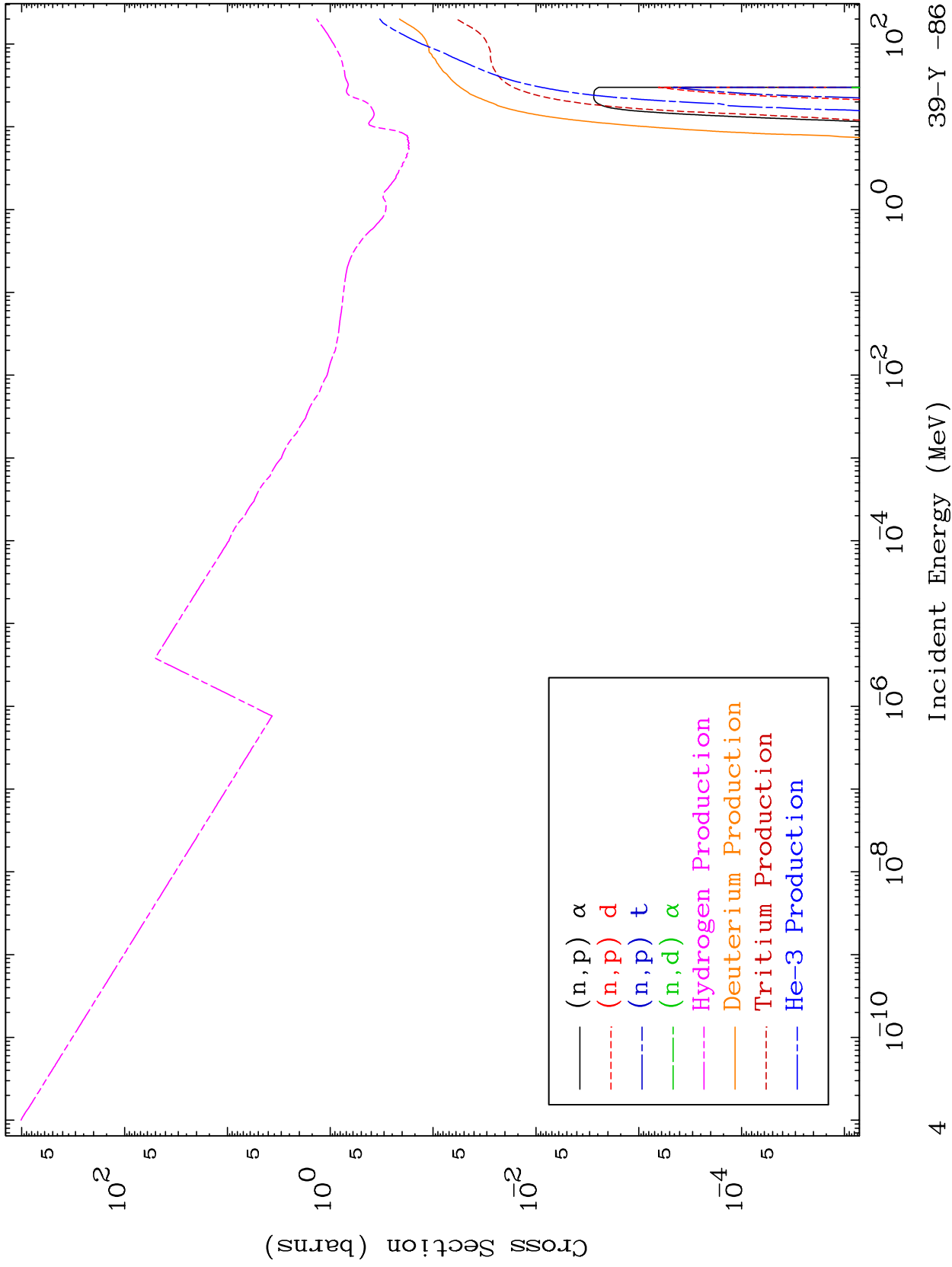
Neutron Major  
293 Kelvin Cross Sections

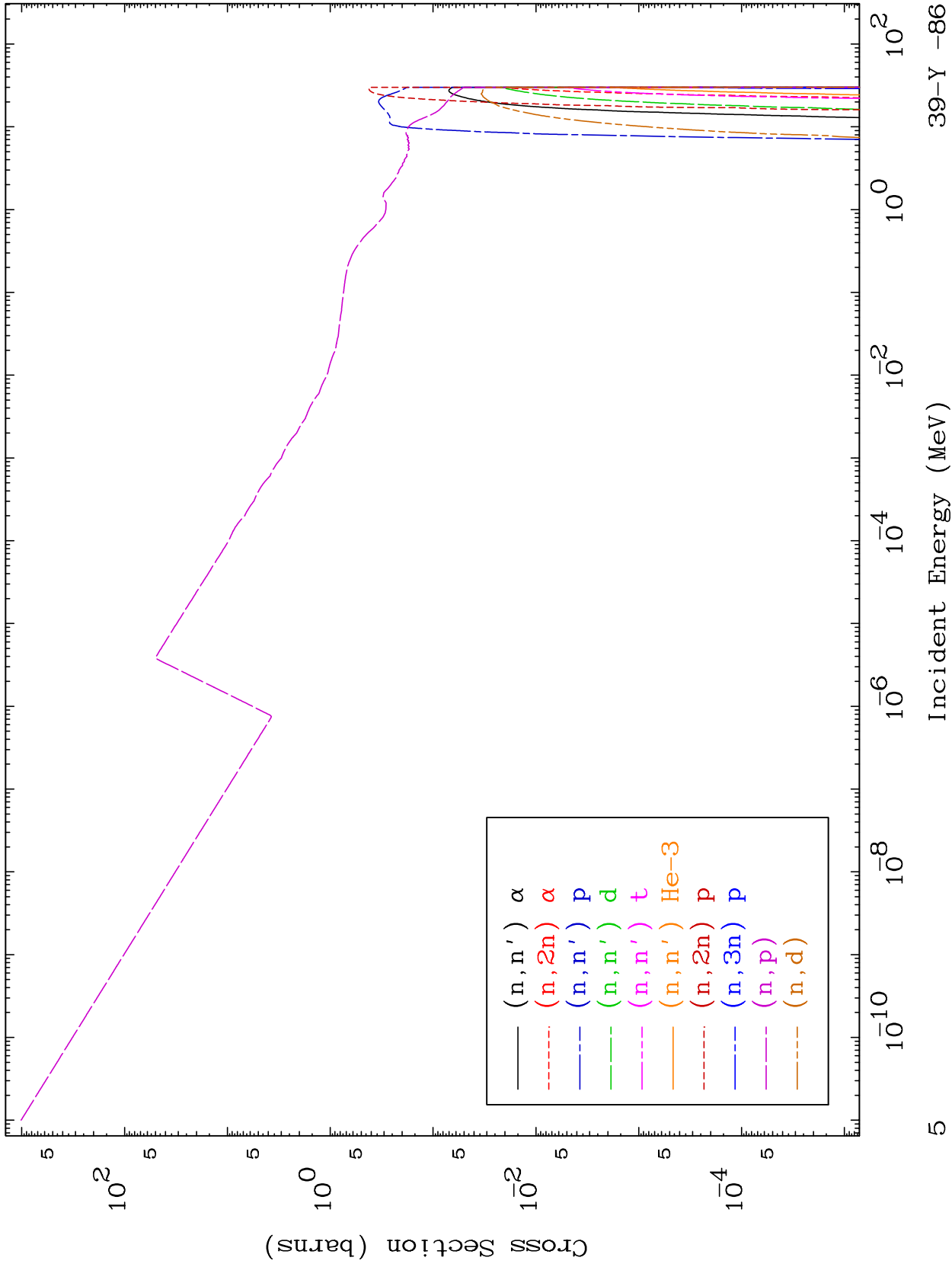
39-Y -86







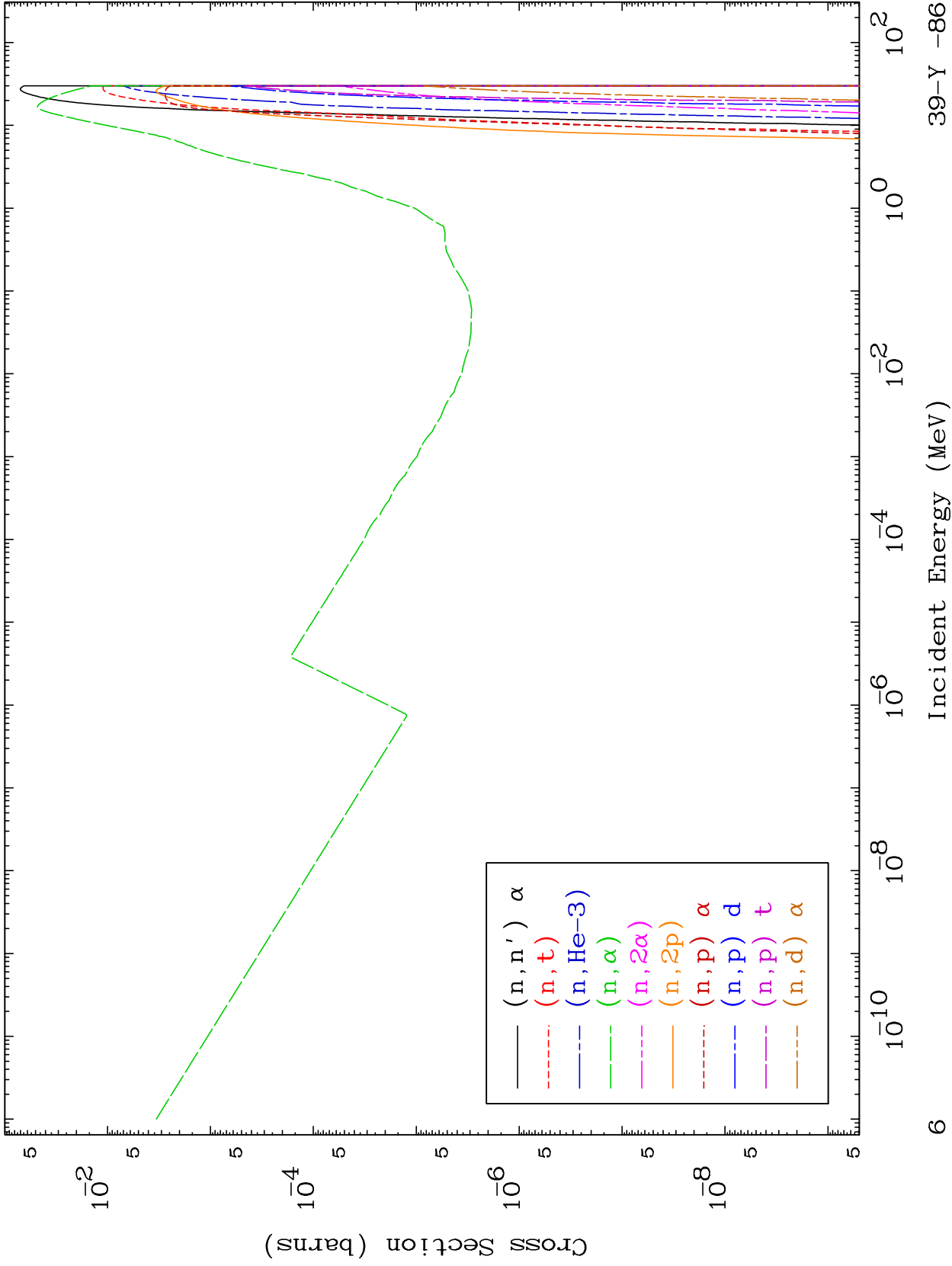




MAT 3916

Charged Particle  
293 Kelvin Cross Sections

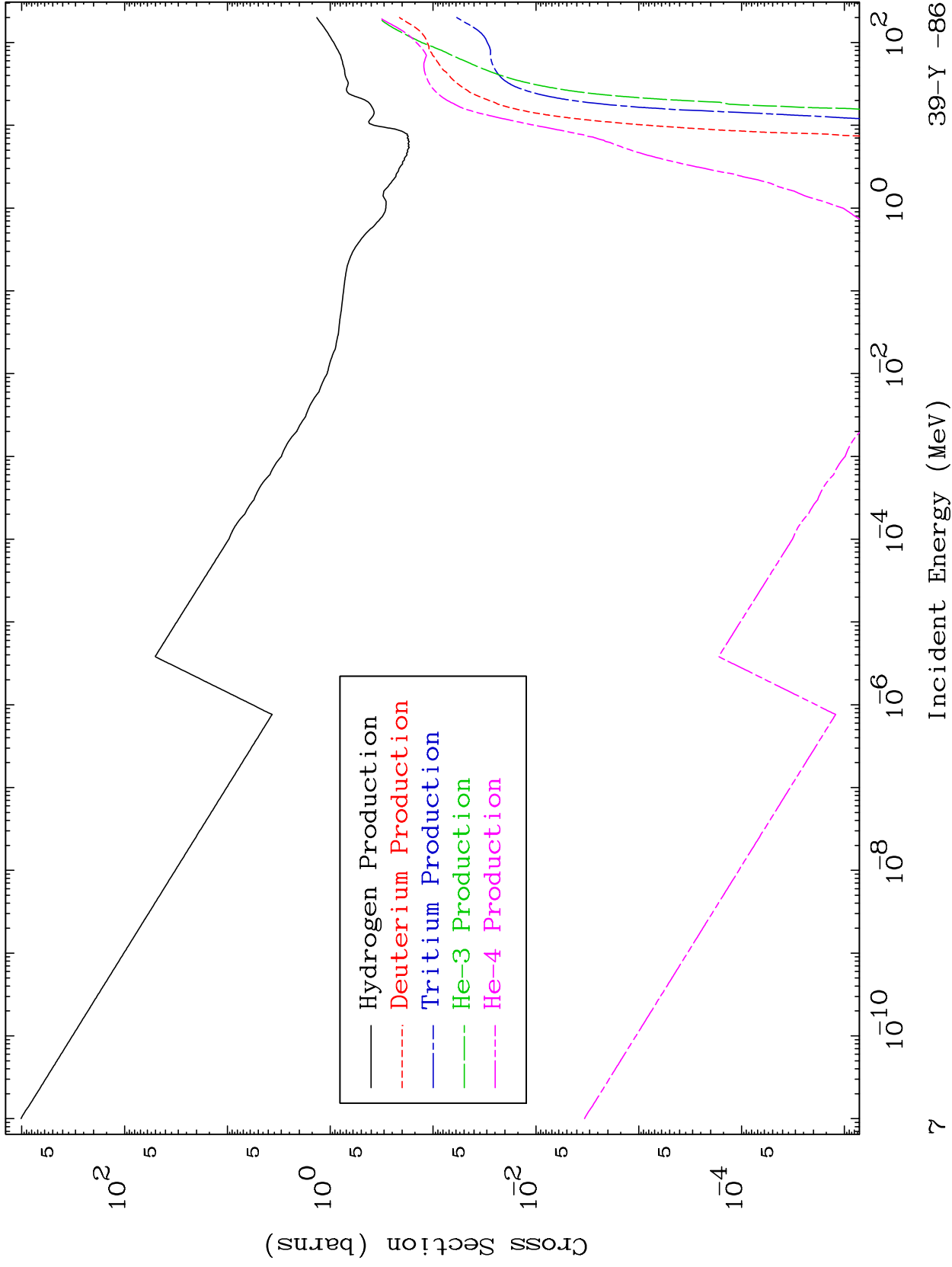
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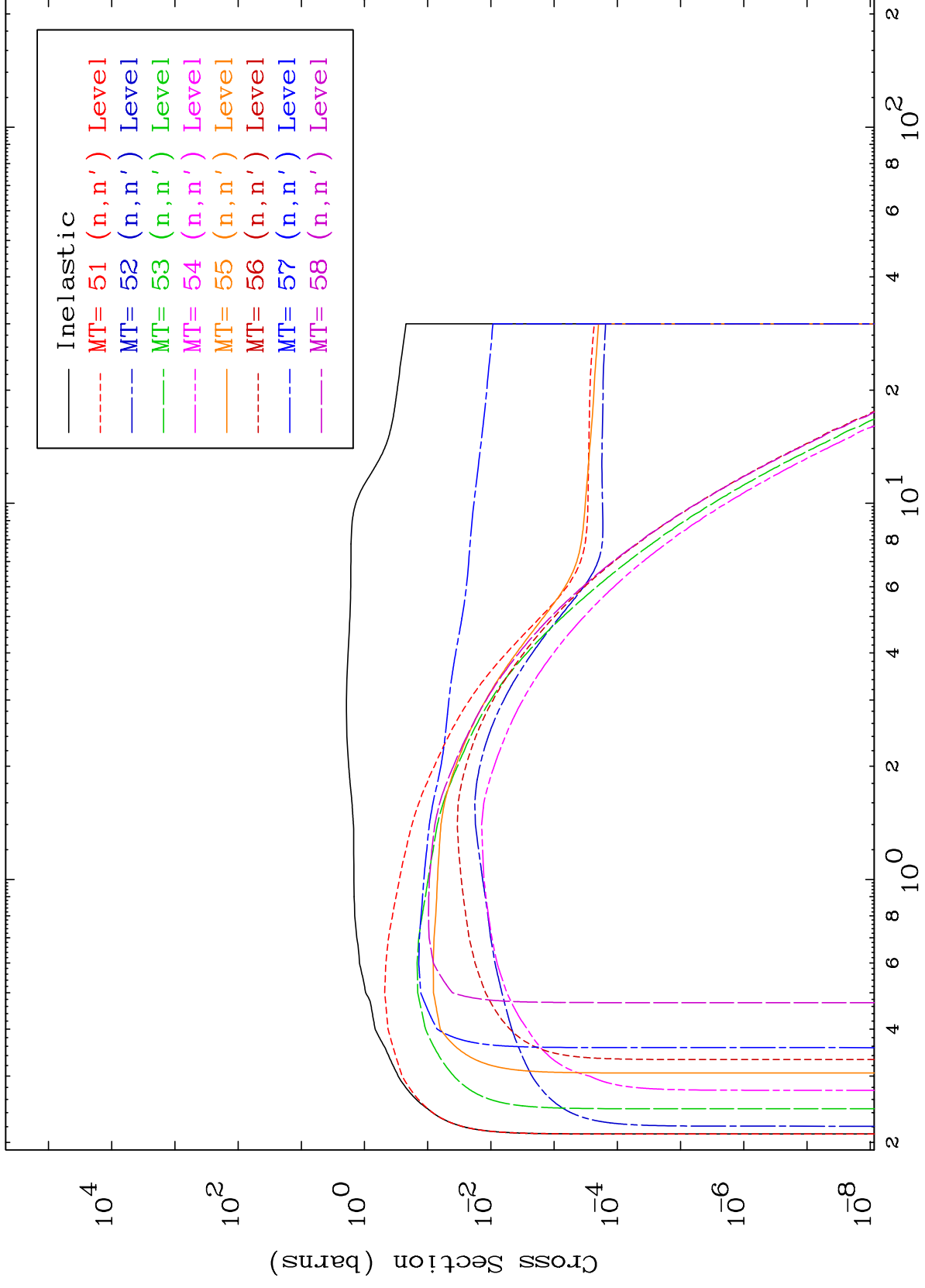
MAT 3916

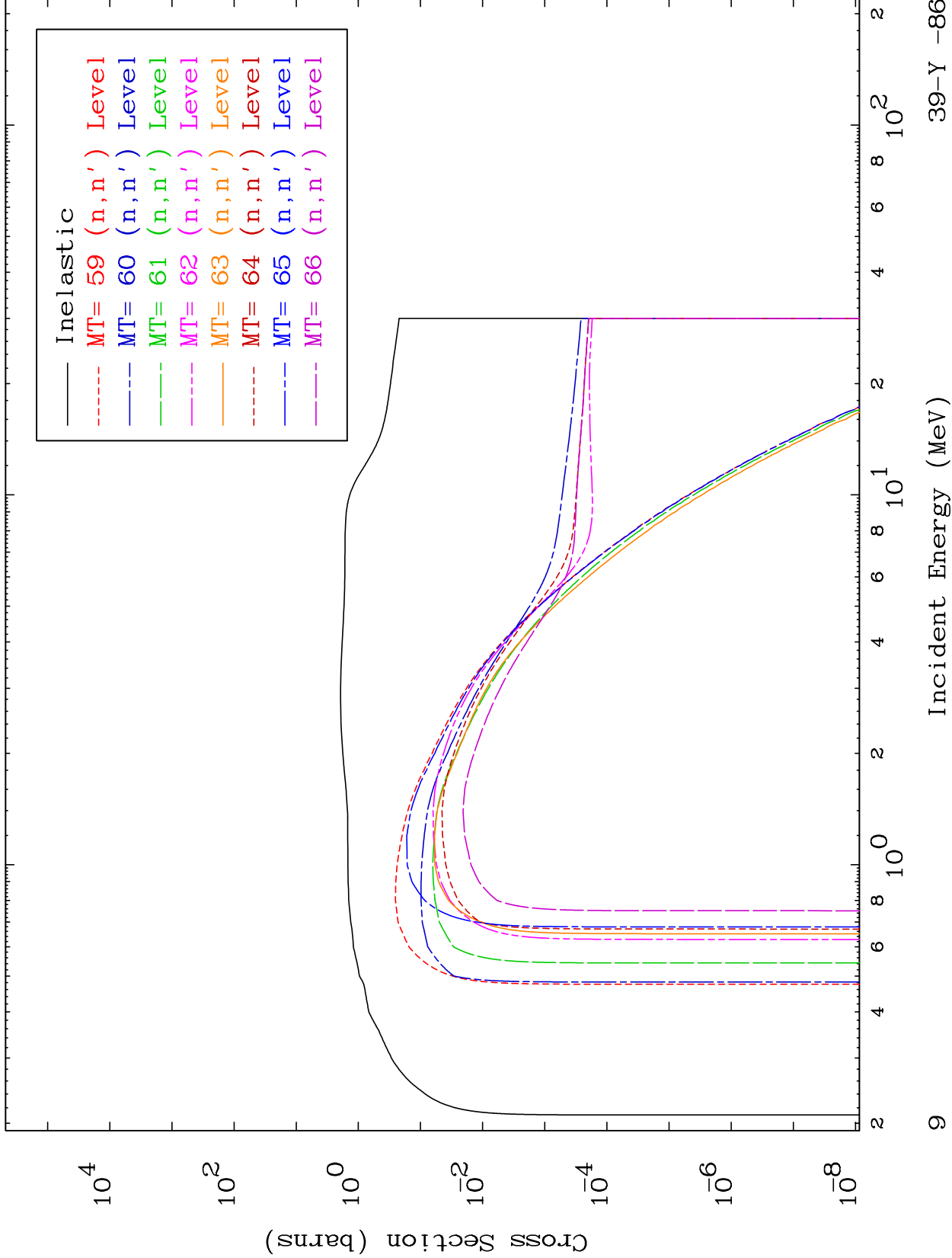
Particle Production  
293 Kelvin Cross Sections

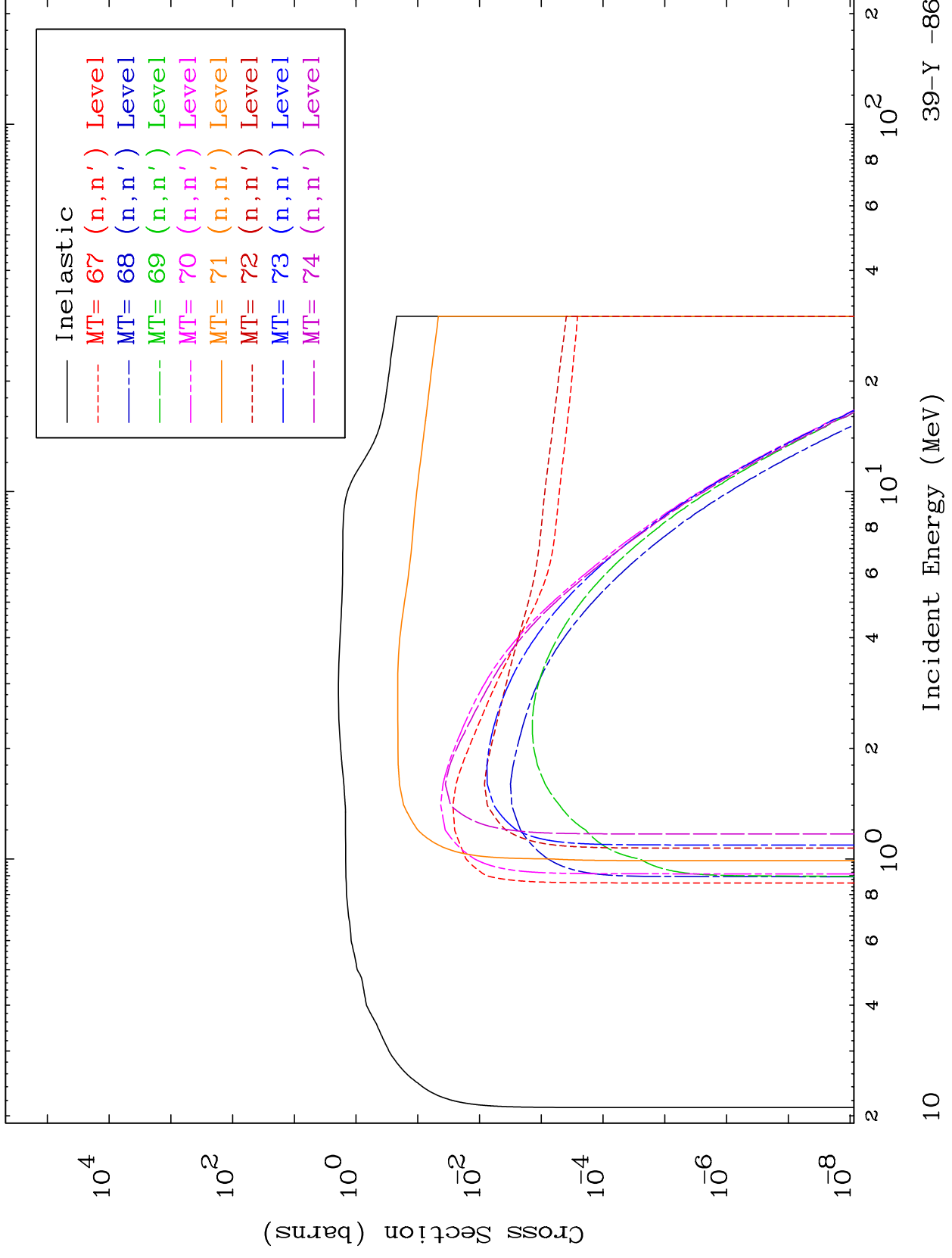
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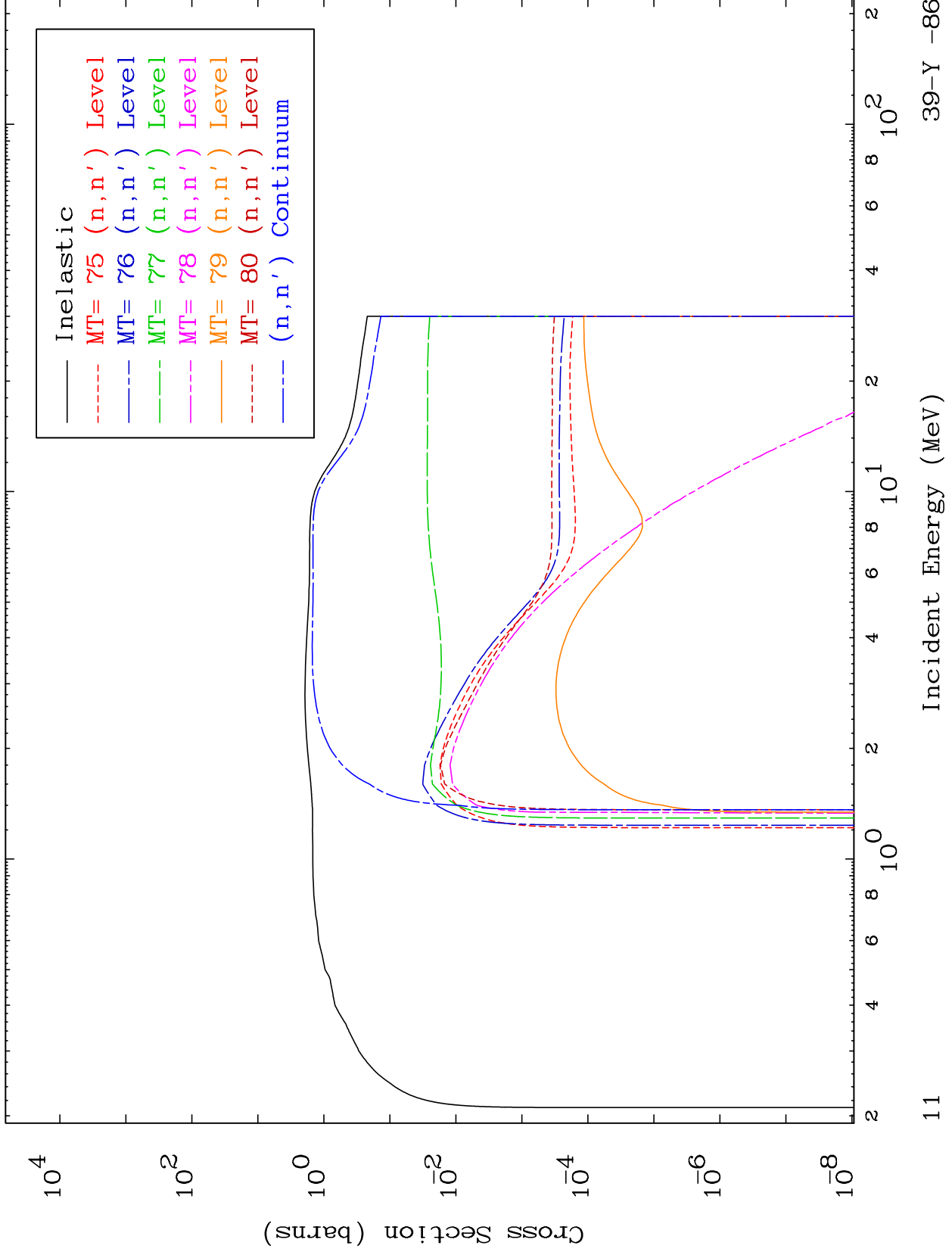








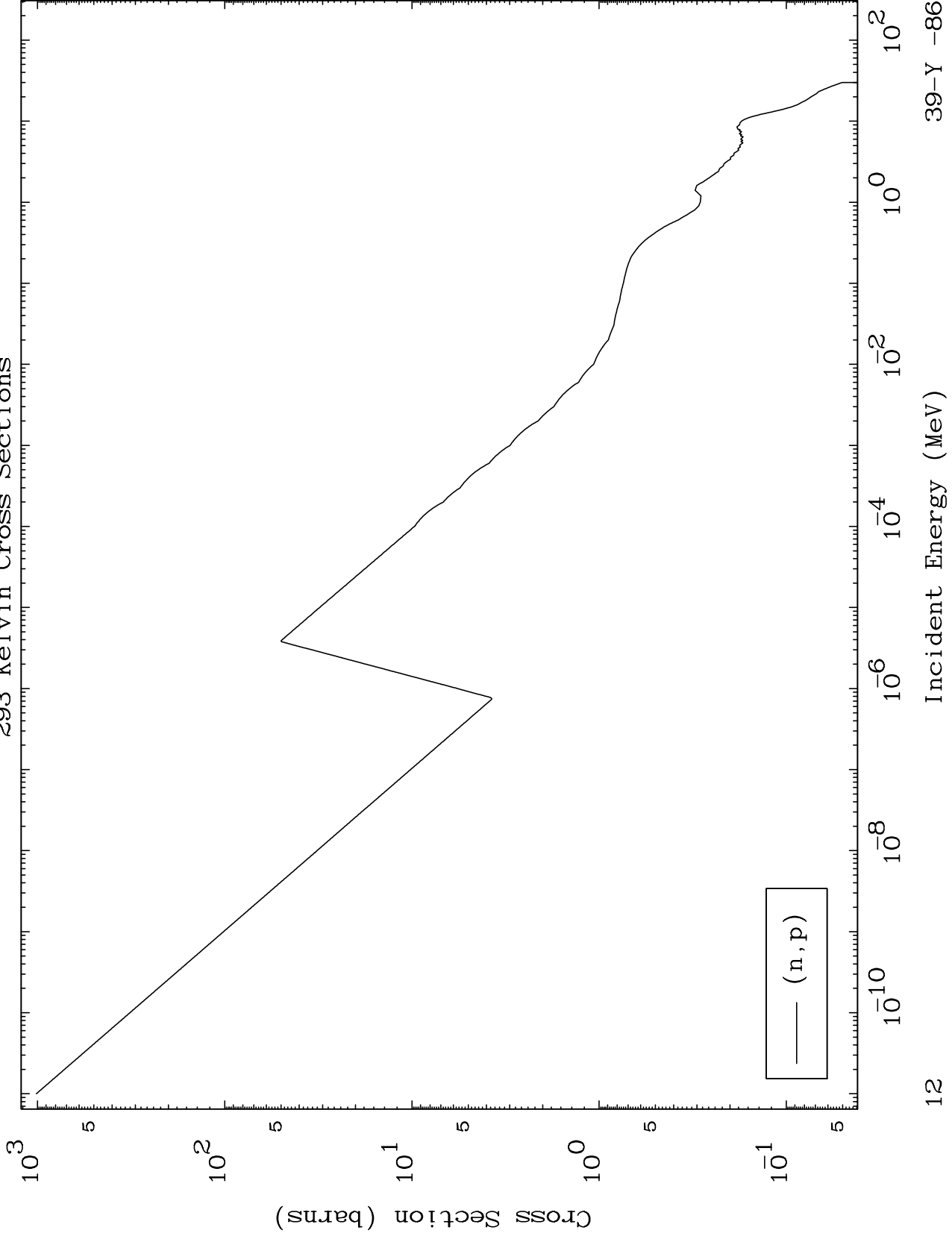




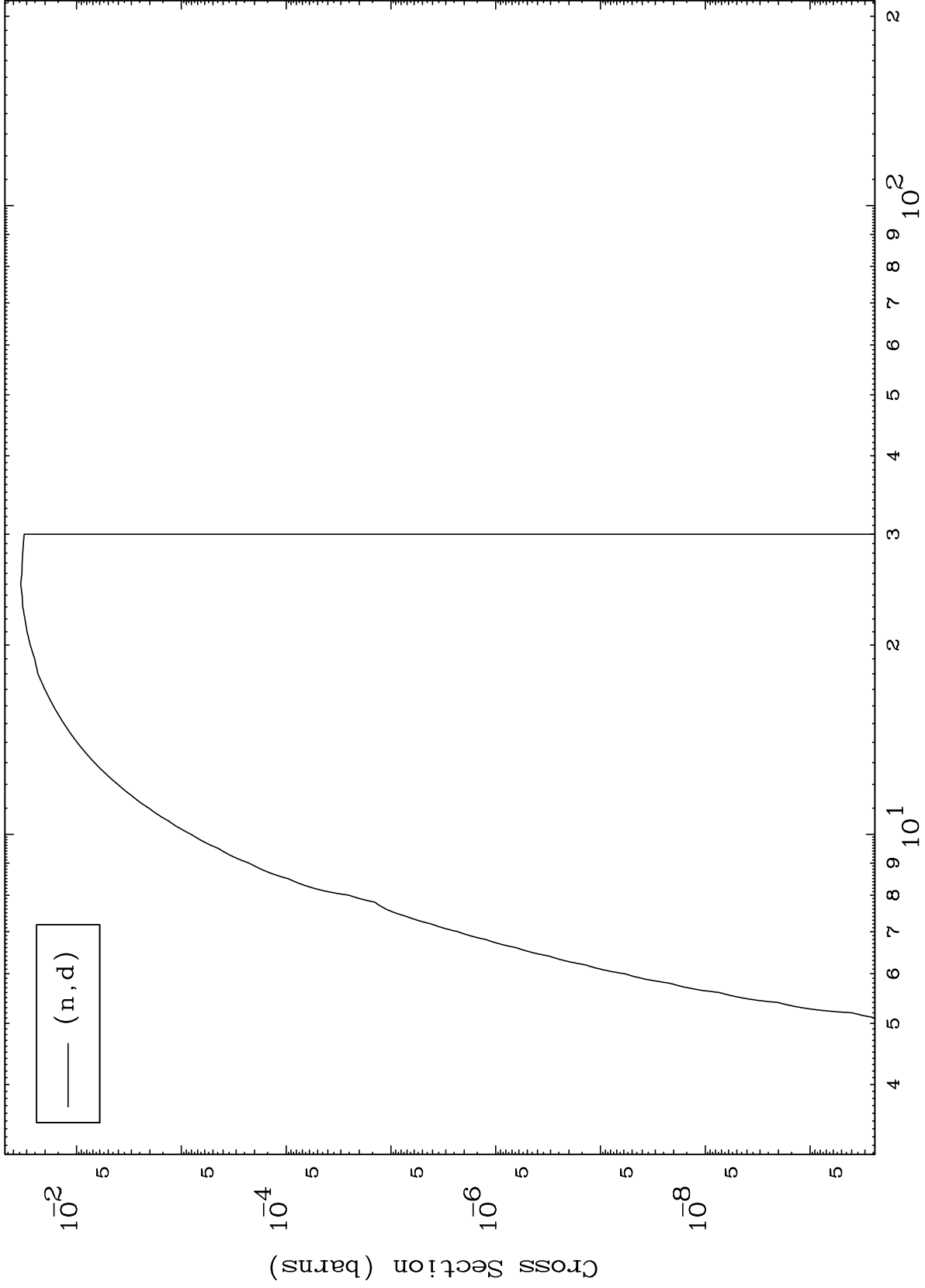
MAT 3916

(n,p) Levels  
293 Kelvin Cross Sections

39-Y -86



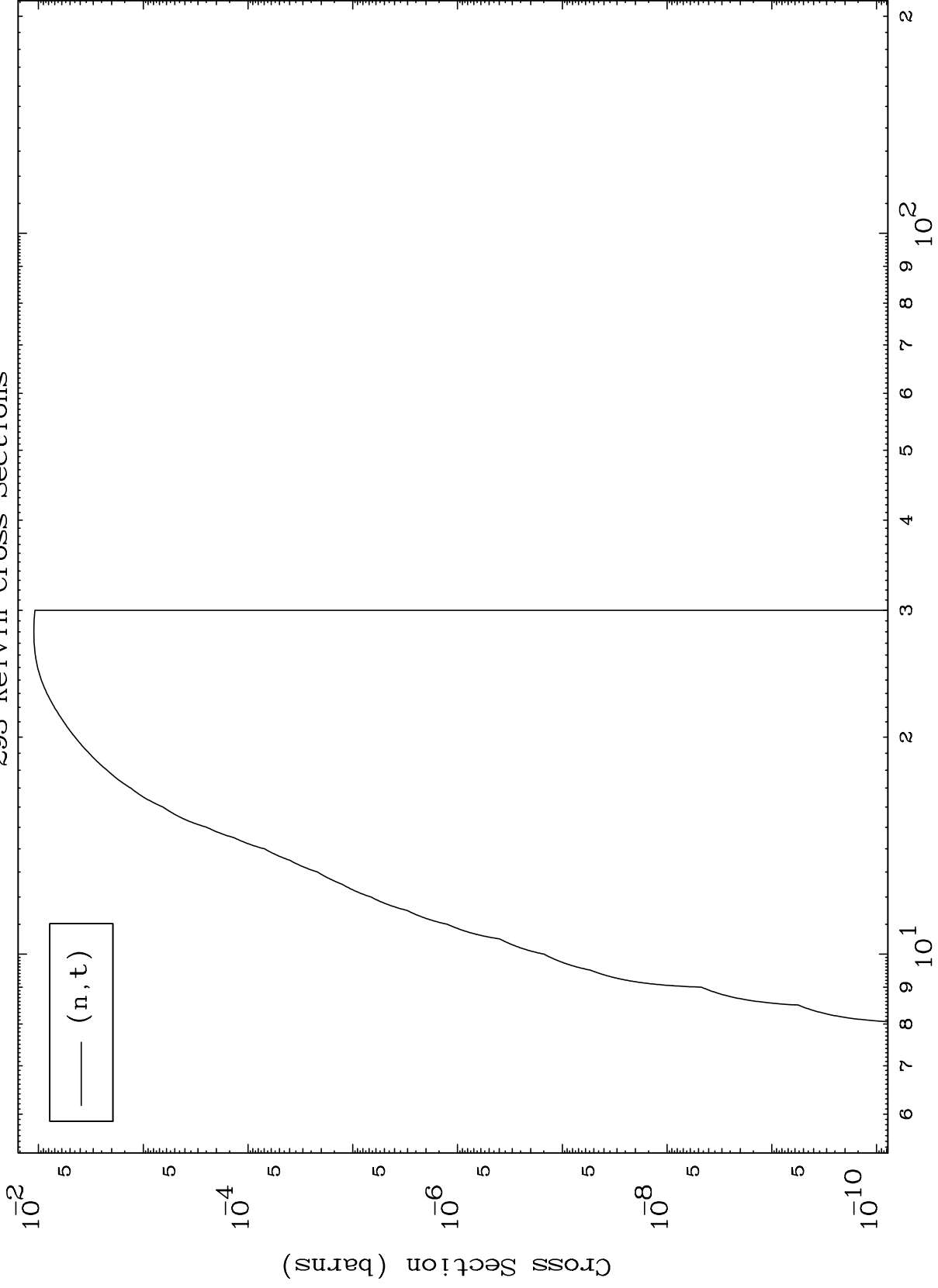
12



MAT 3916

(n,t) Levels  
293 Kelvin Cross Sections

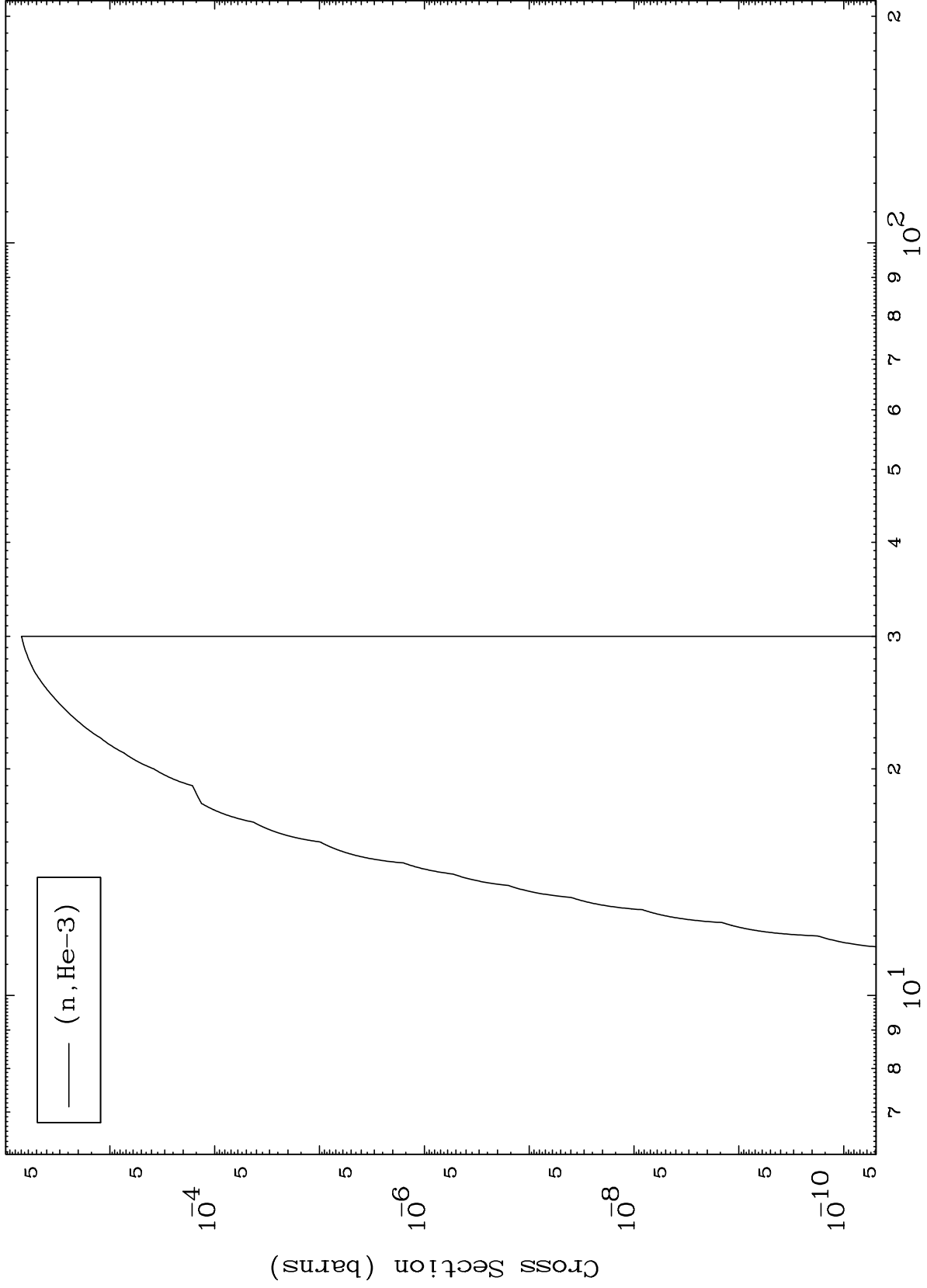
39-Y -86



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Incident Energy (MeV)

39-Y -86

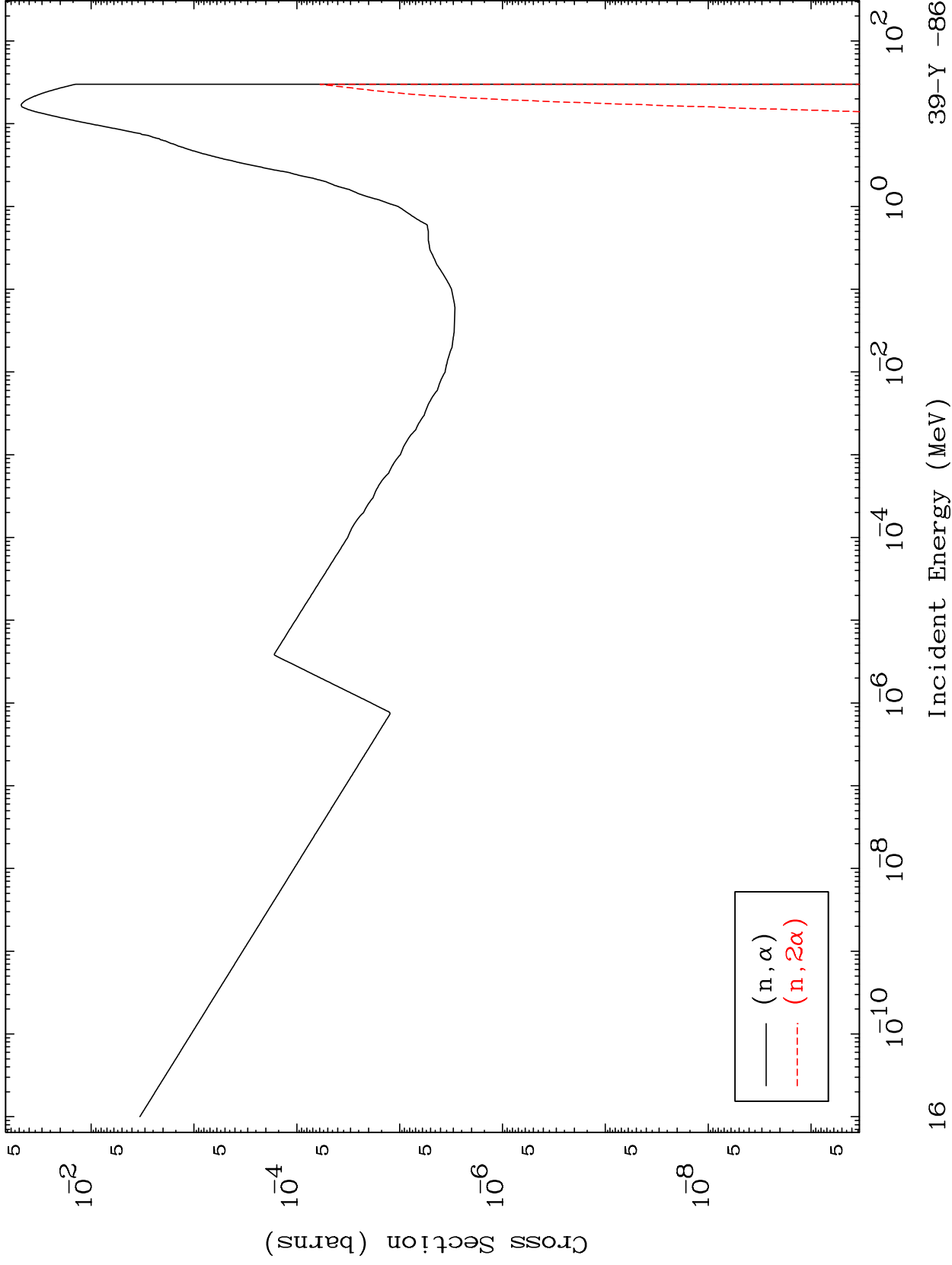




MAT 3916

(n,α) Levels  
293 Kelvin Cross Sections

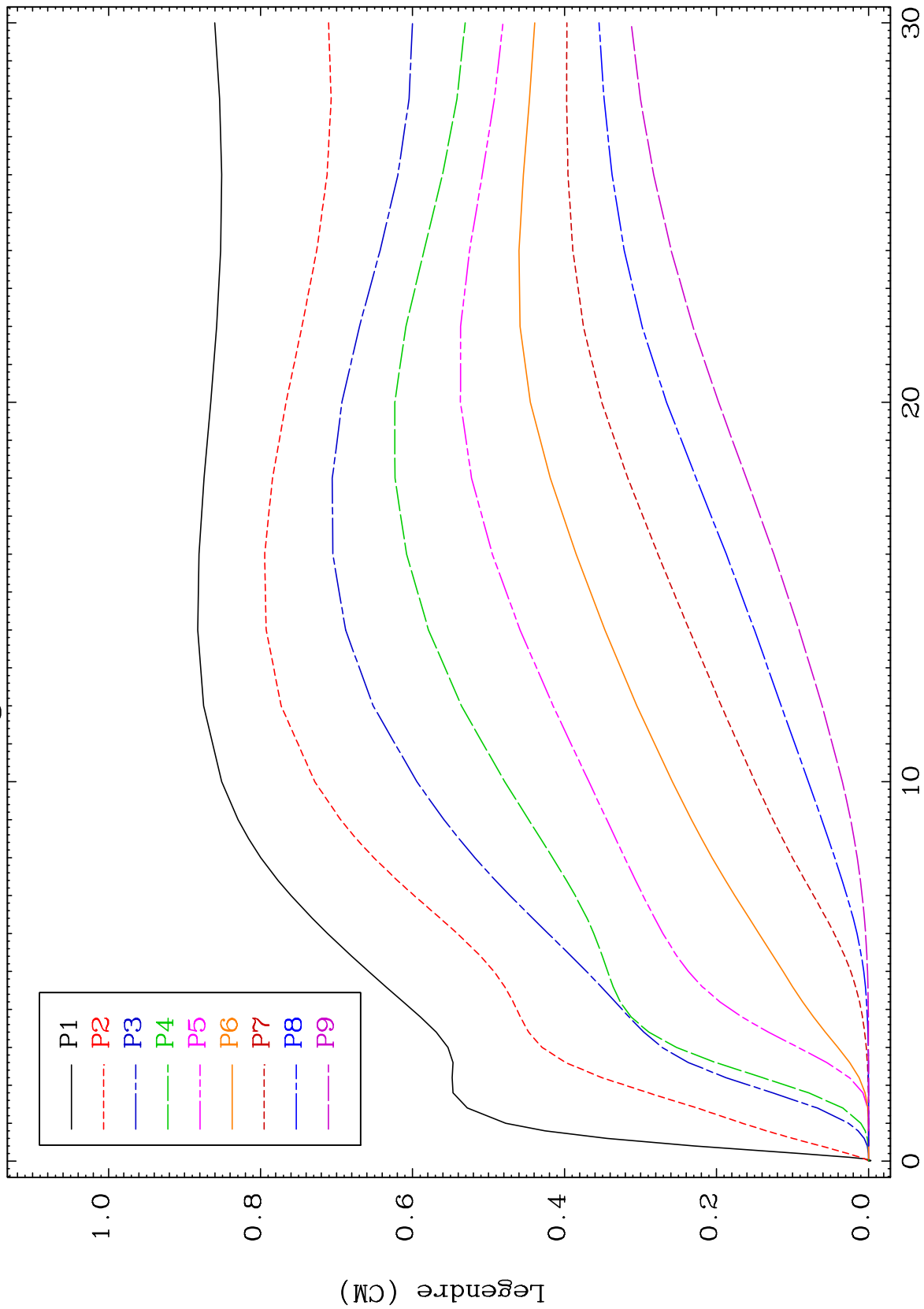
39-Y -86



MAT 3916

Elastic Legendre Coefficients

39-Y -86



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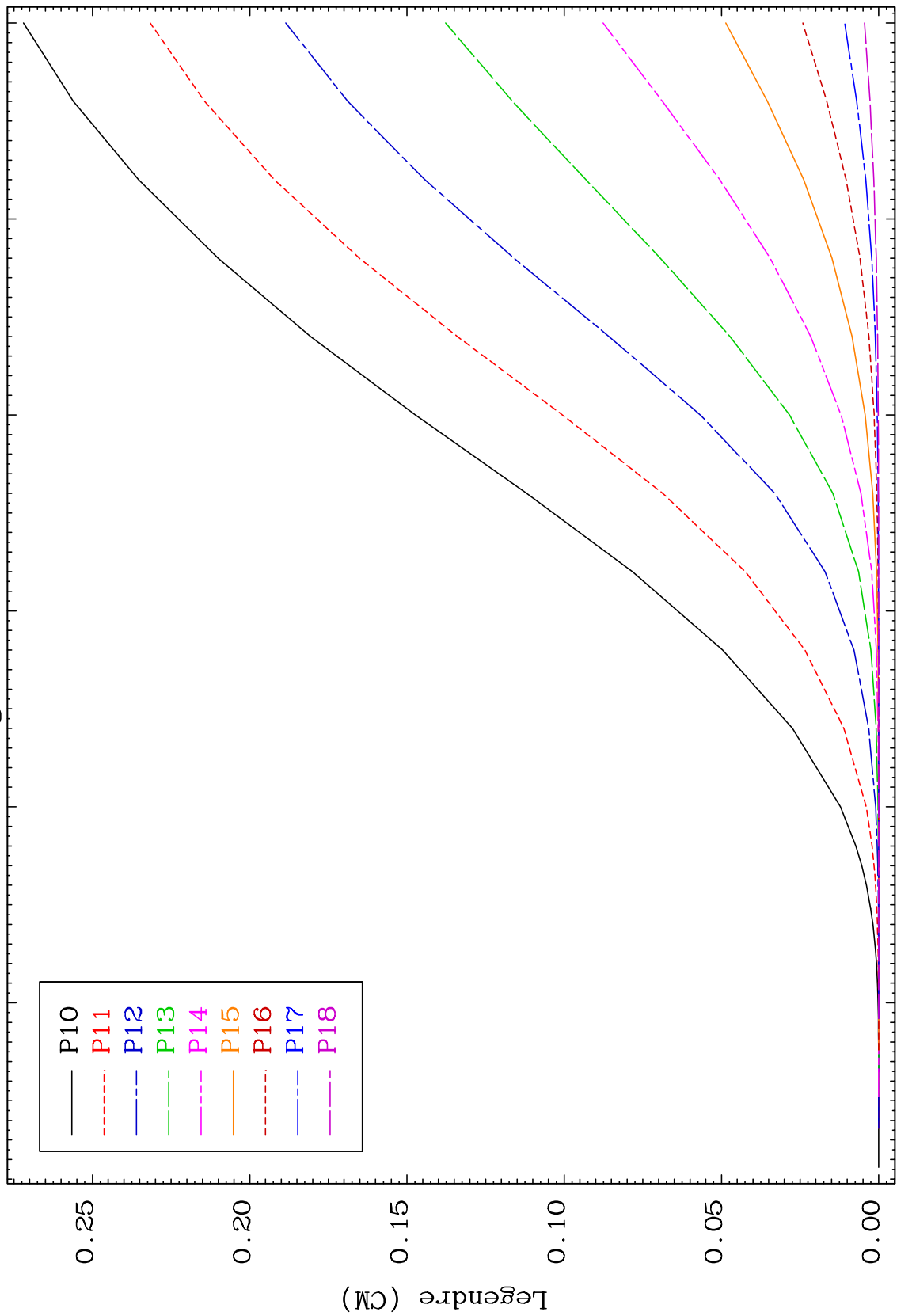
Incident Energy (MeV)

39-Y -86

MAT 3916

### Elastic Legendre Coefficients

39-Y -86



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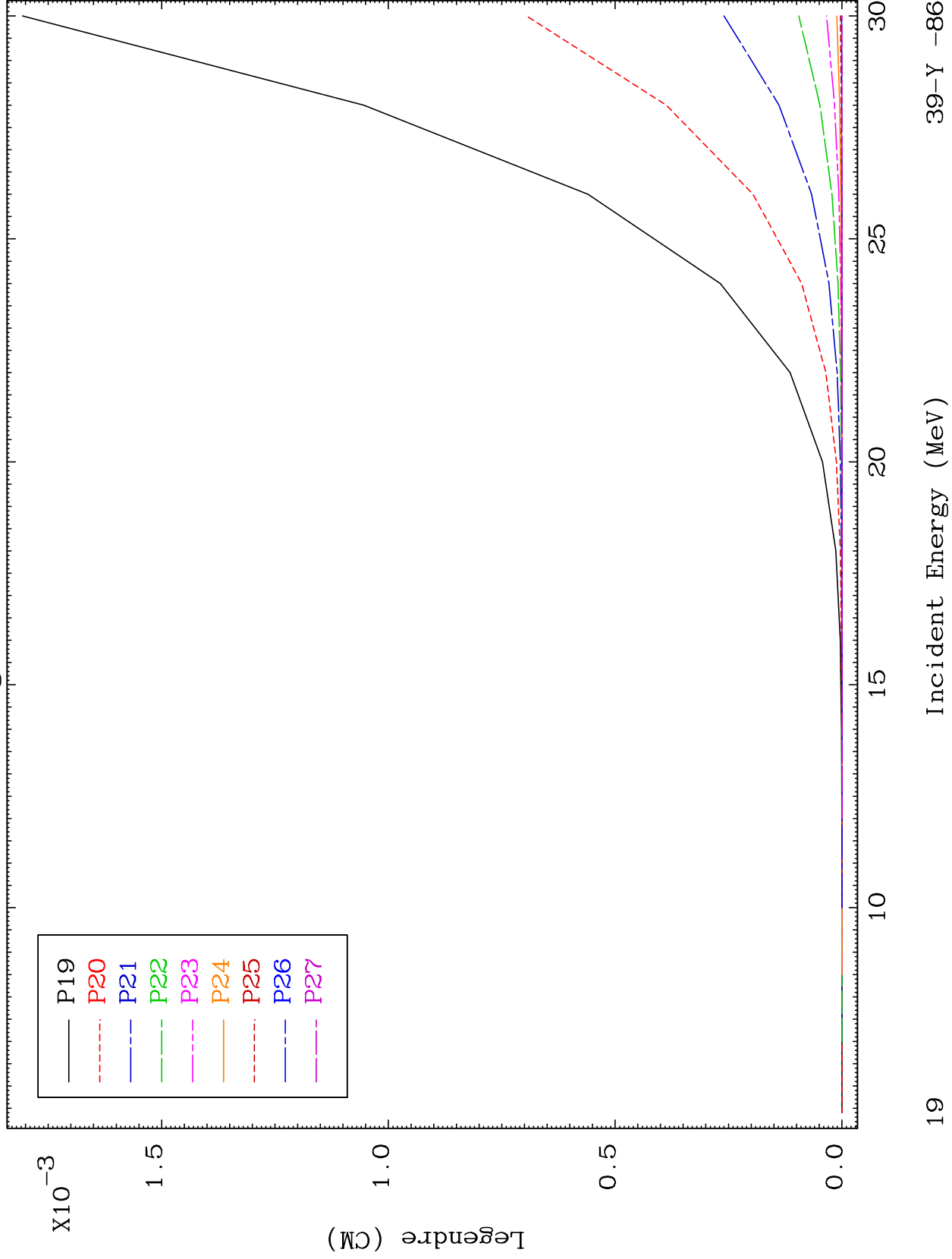
Incident Energy (MeV)

39-Y -86

MAT 3916

Elastic Legendre Coefficients

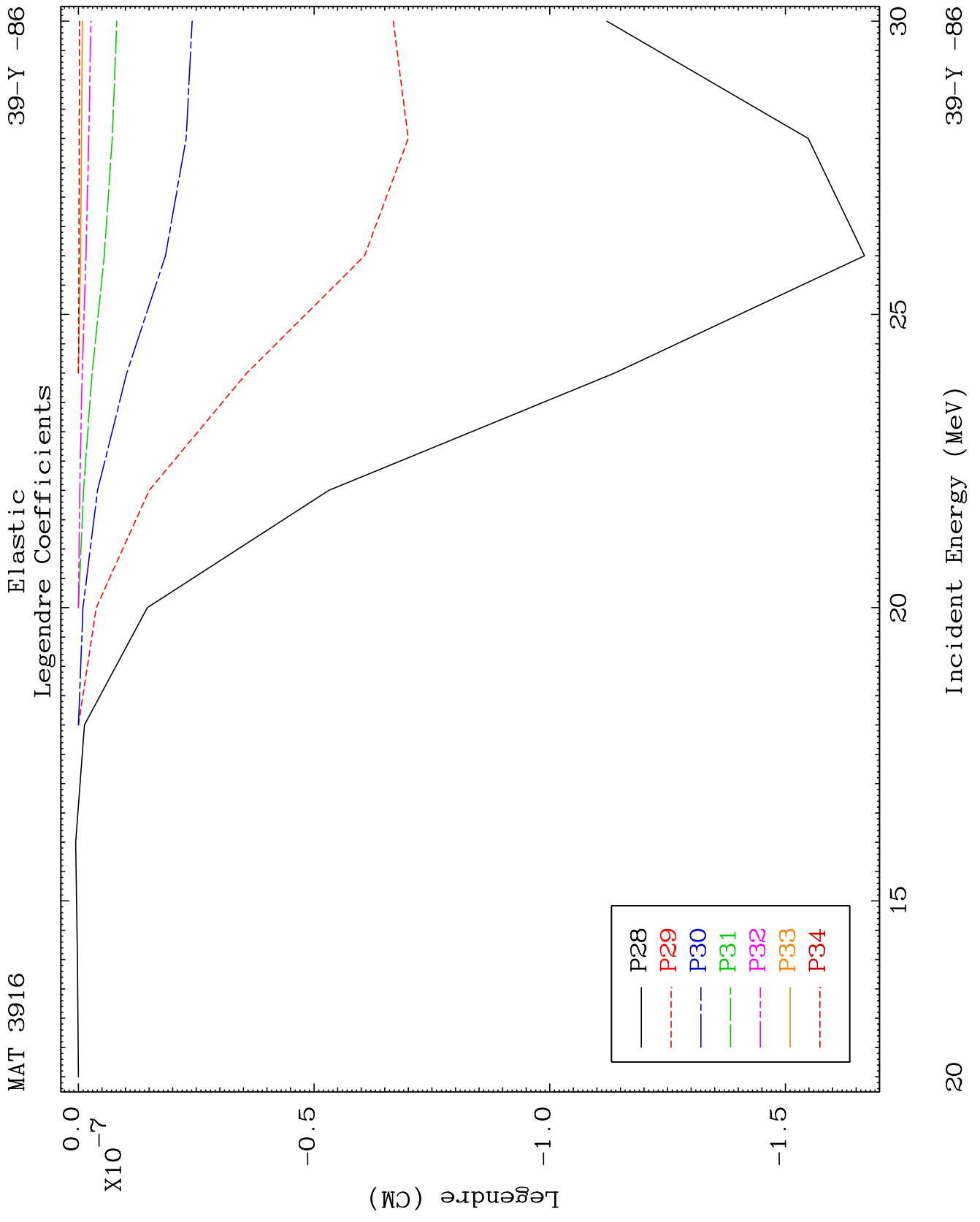
39-Y -86

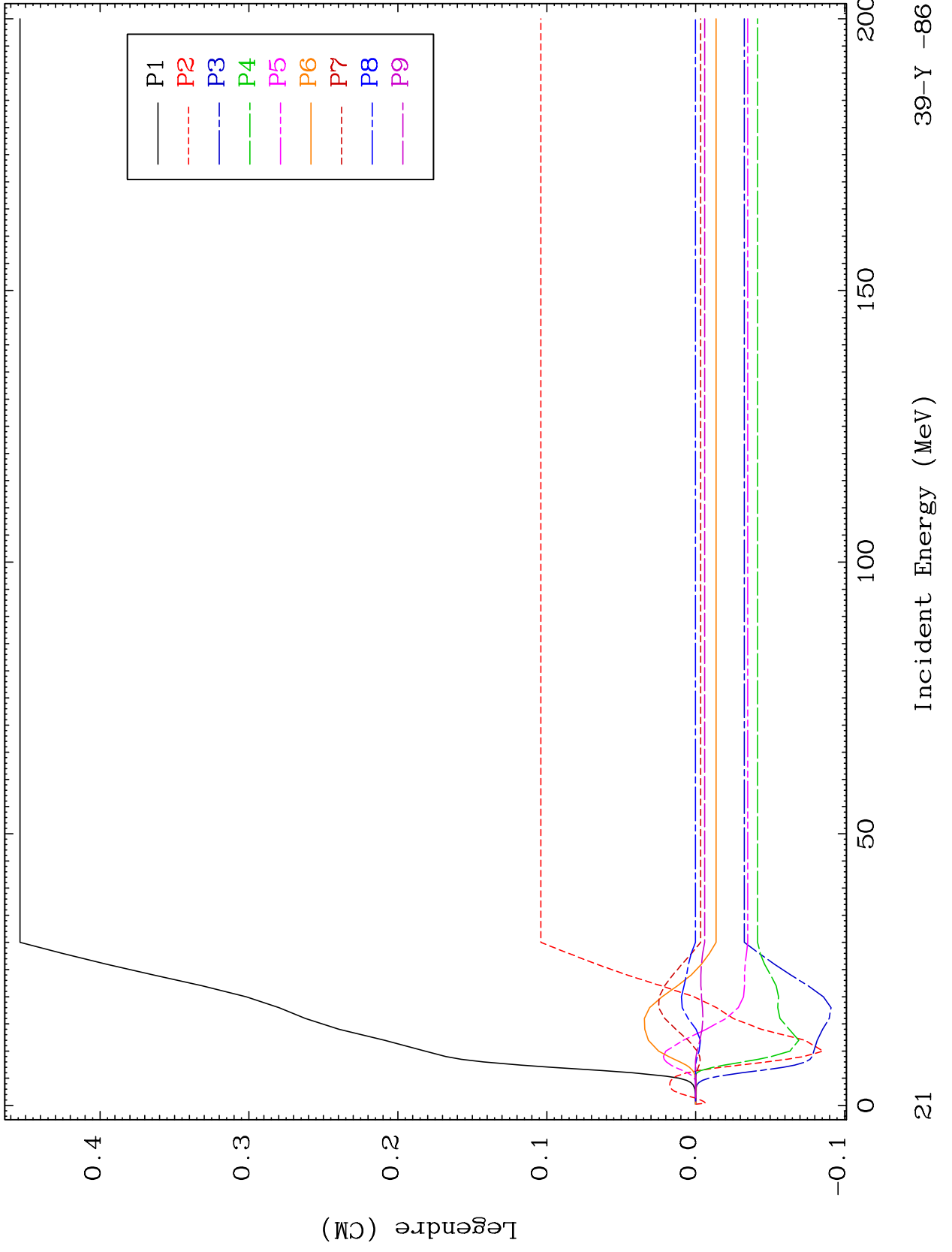


19

Incident Energy (MeV)

39-Y -86



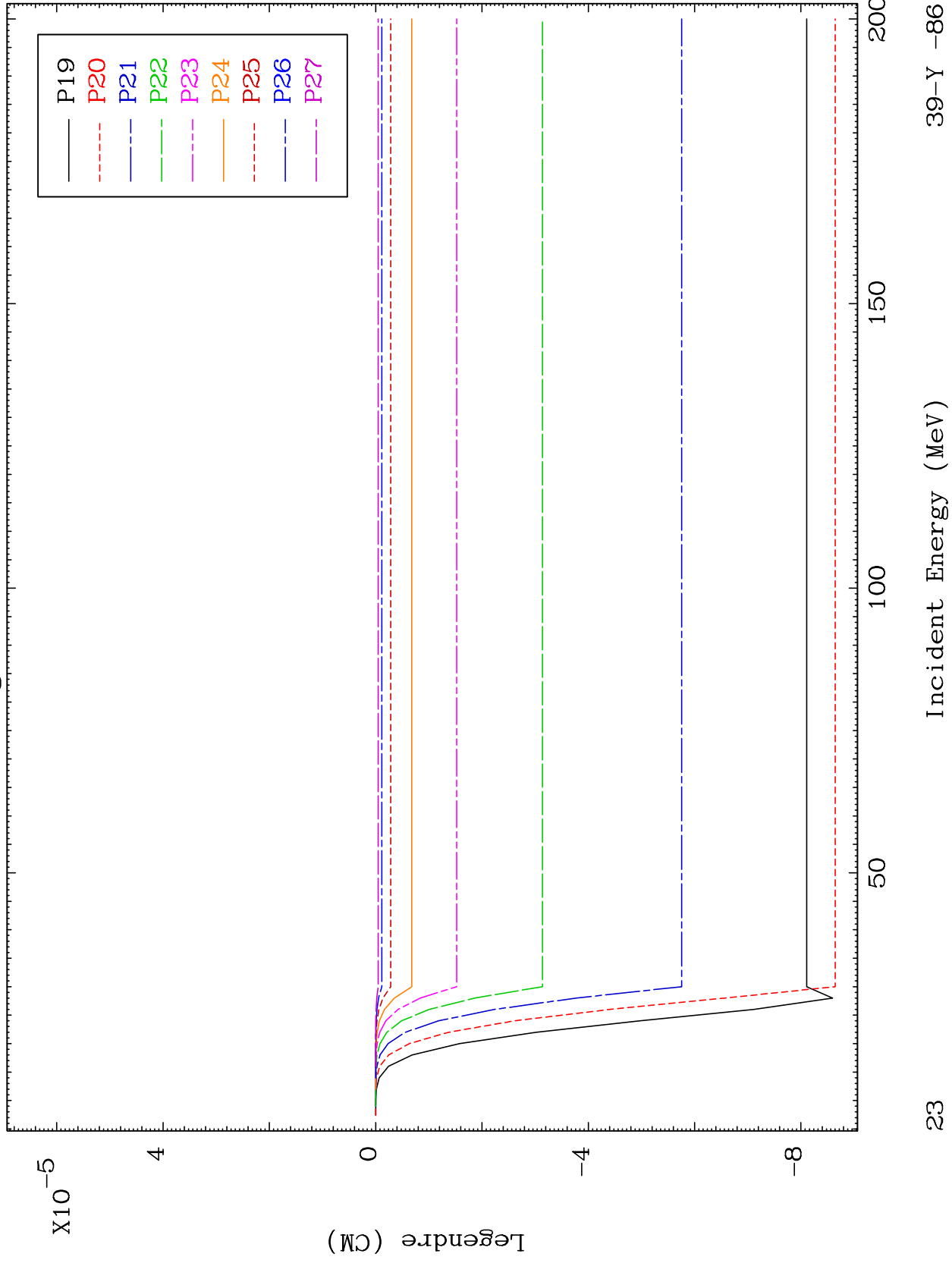




MAT 3916

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

39-Y -86



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Incident Energy (MeV)

39-Y -86

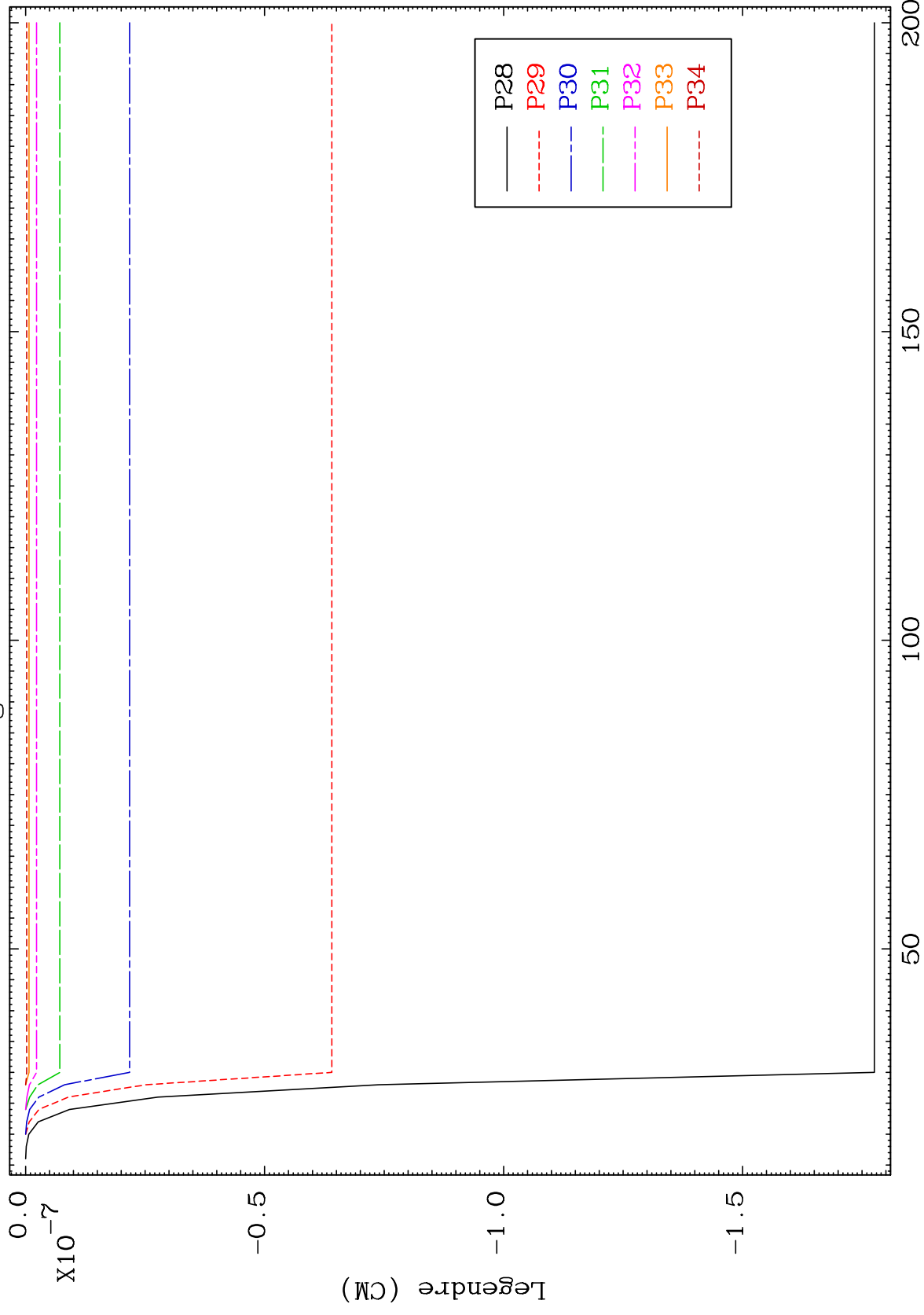


MAT 3916

MT= 51 (n,n') Level

39-Y -86

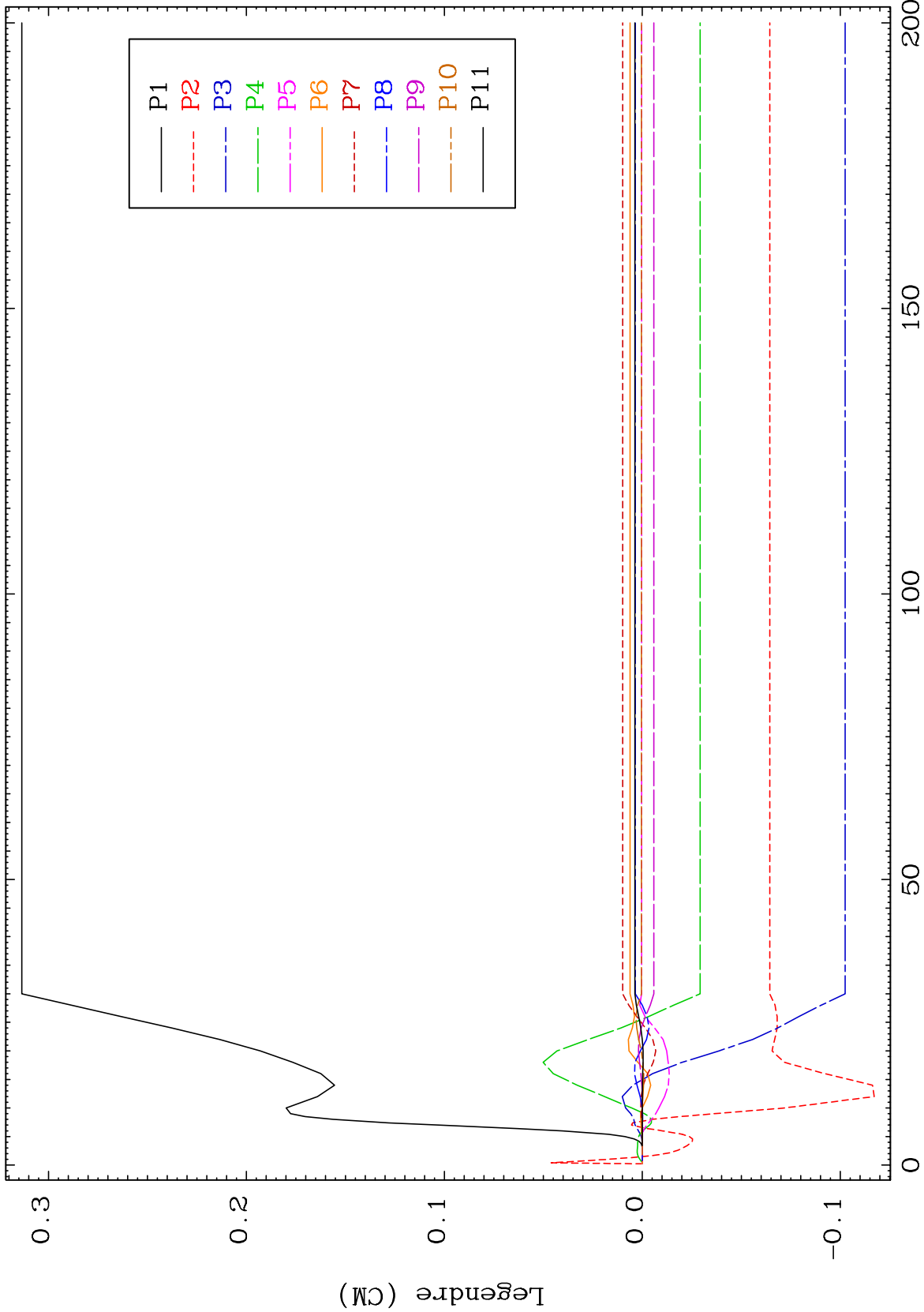
Legendre Coefficients

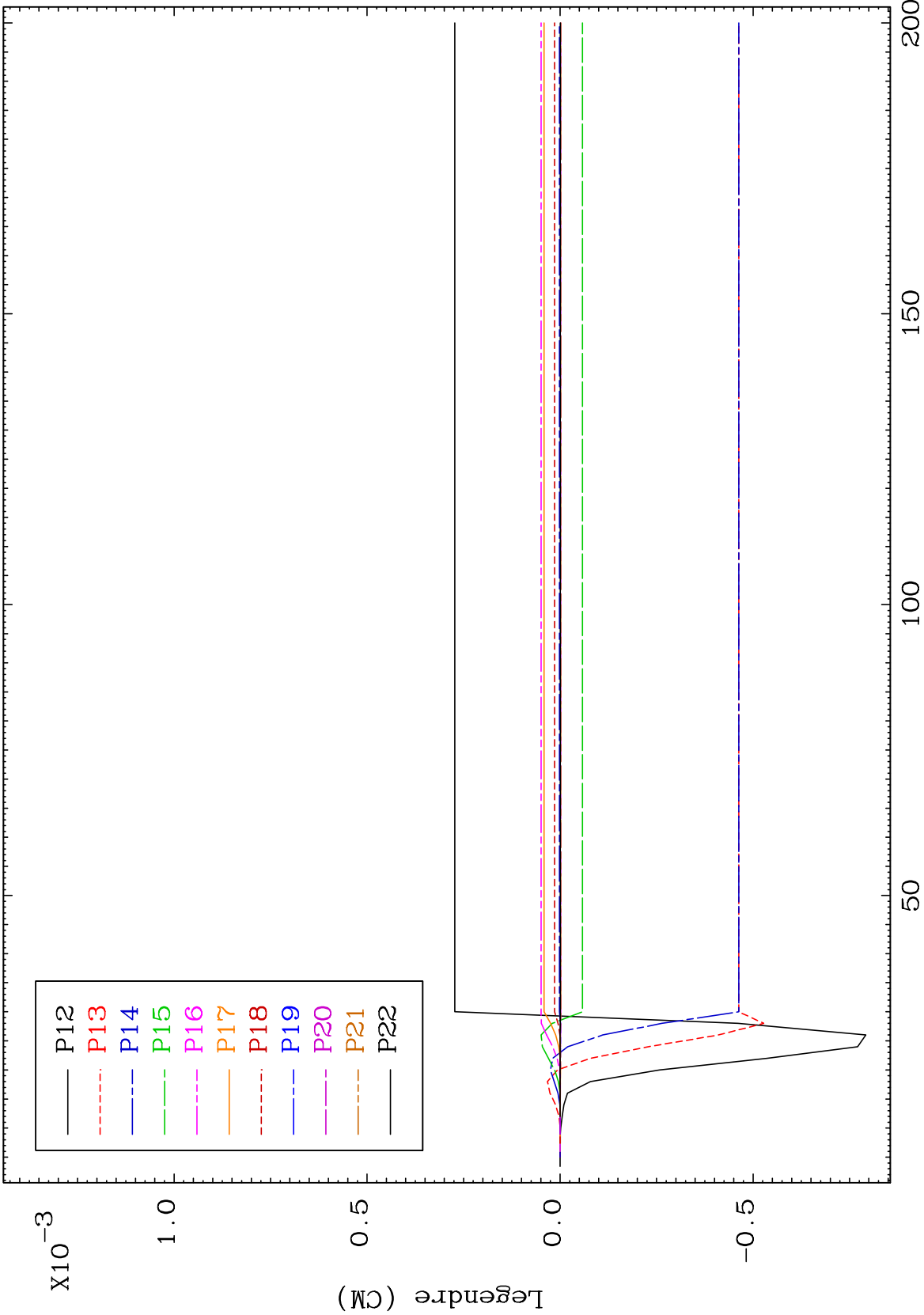


24

Incident Energy (MeV)

39-Y -86

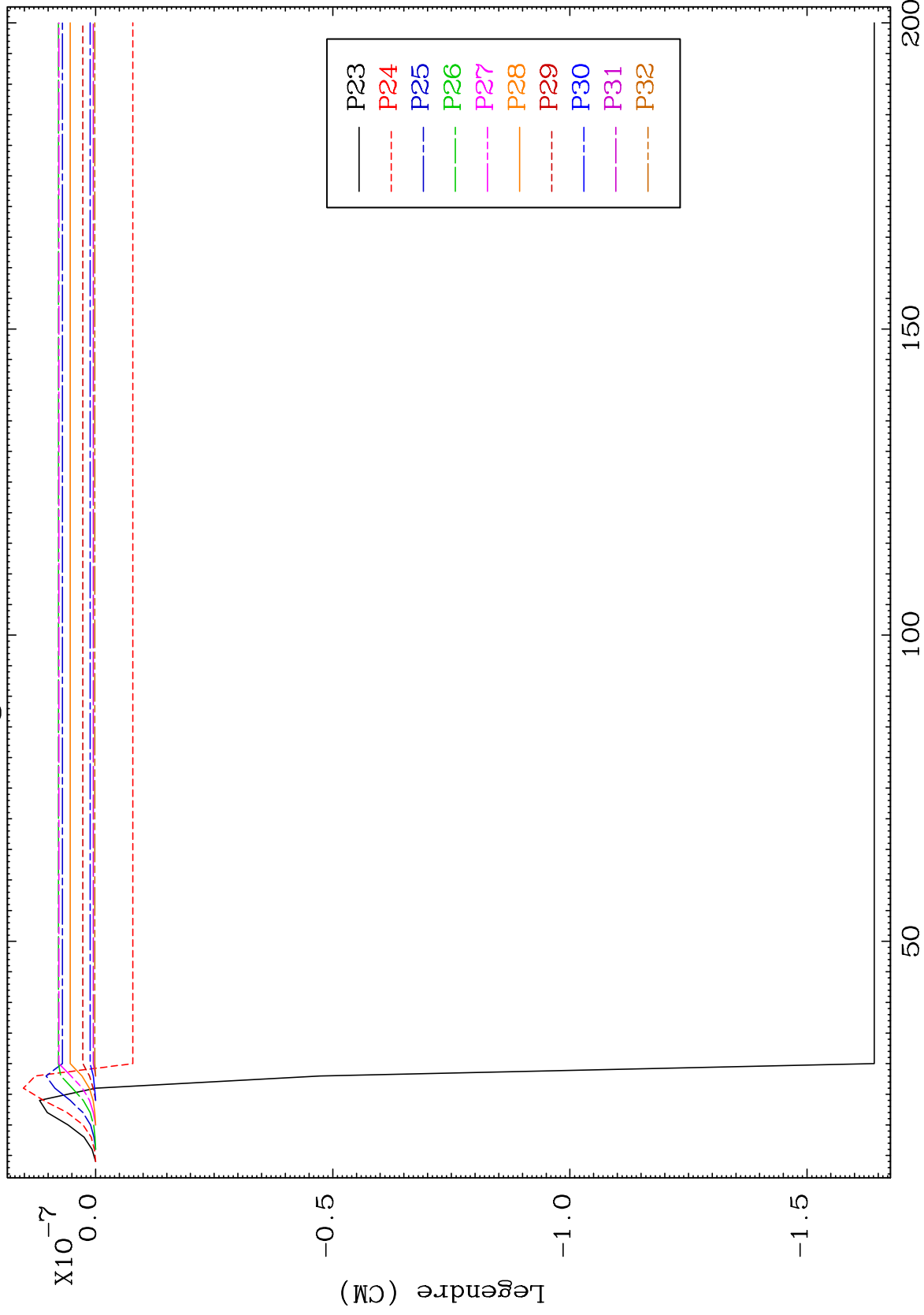




MAT 3916

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

39-Y -86



27

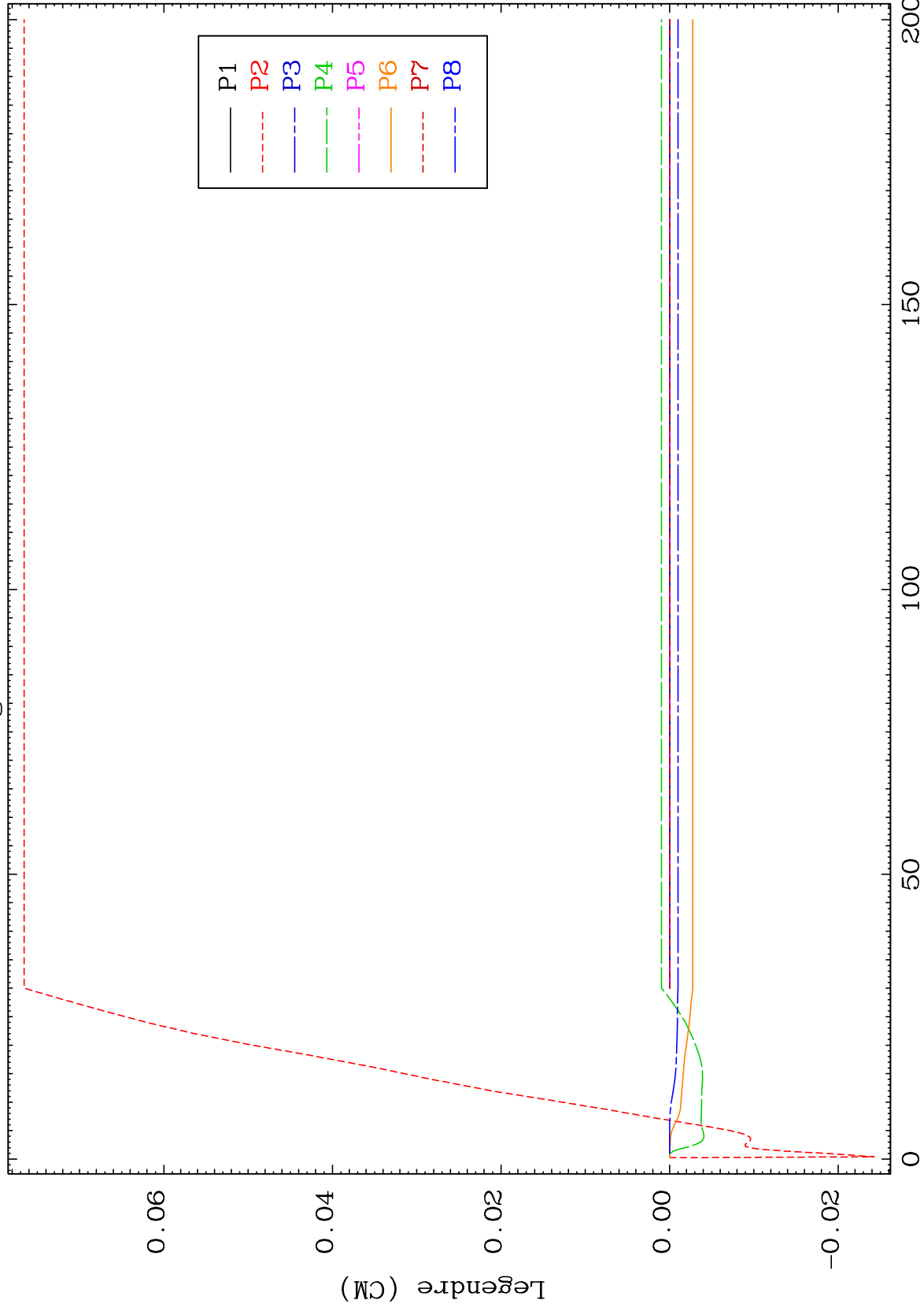
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



28

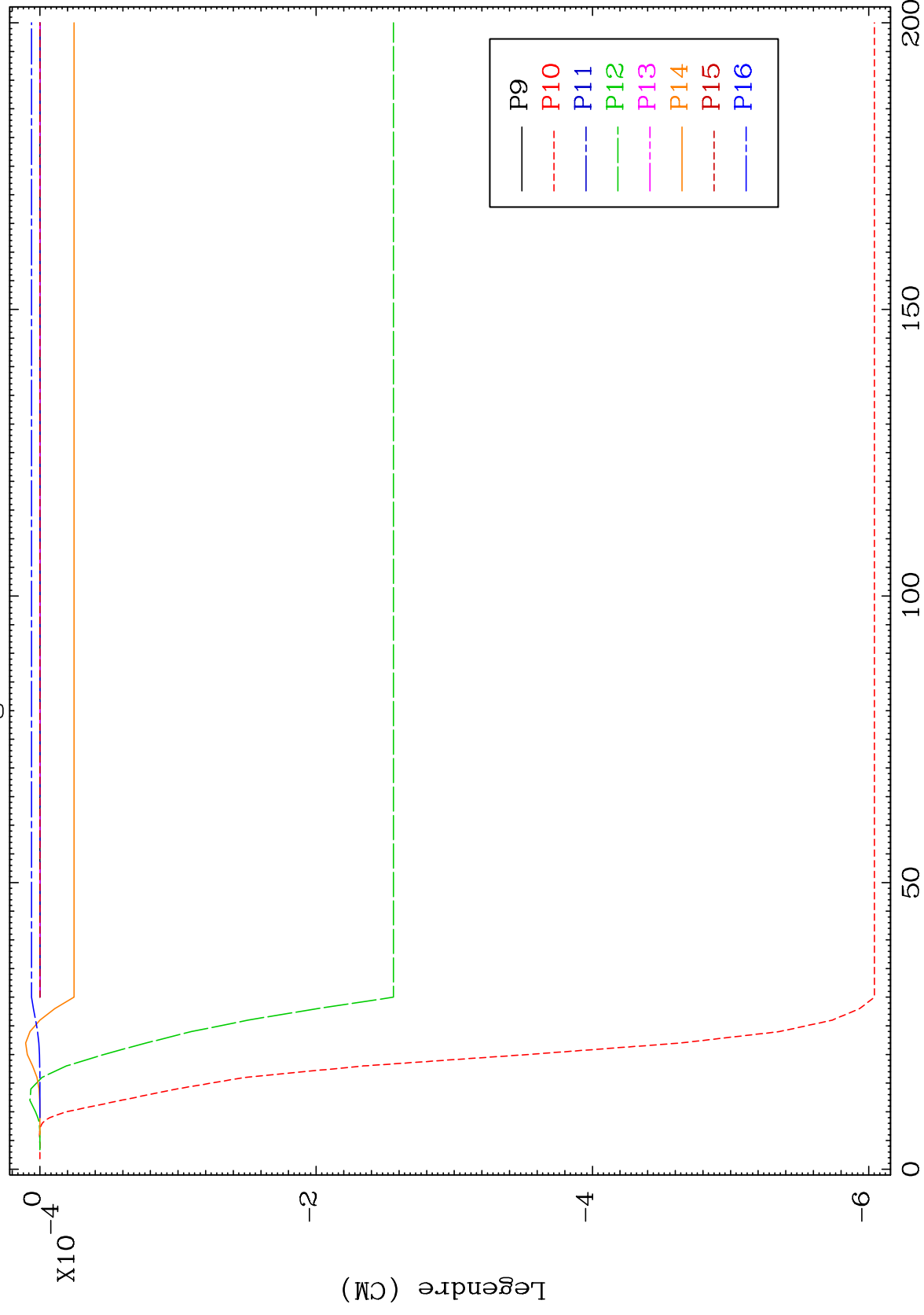
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



39-Y -86

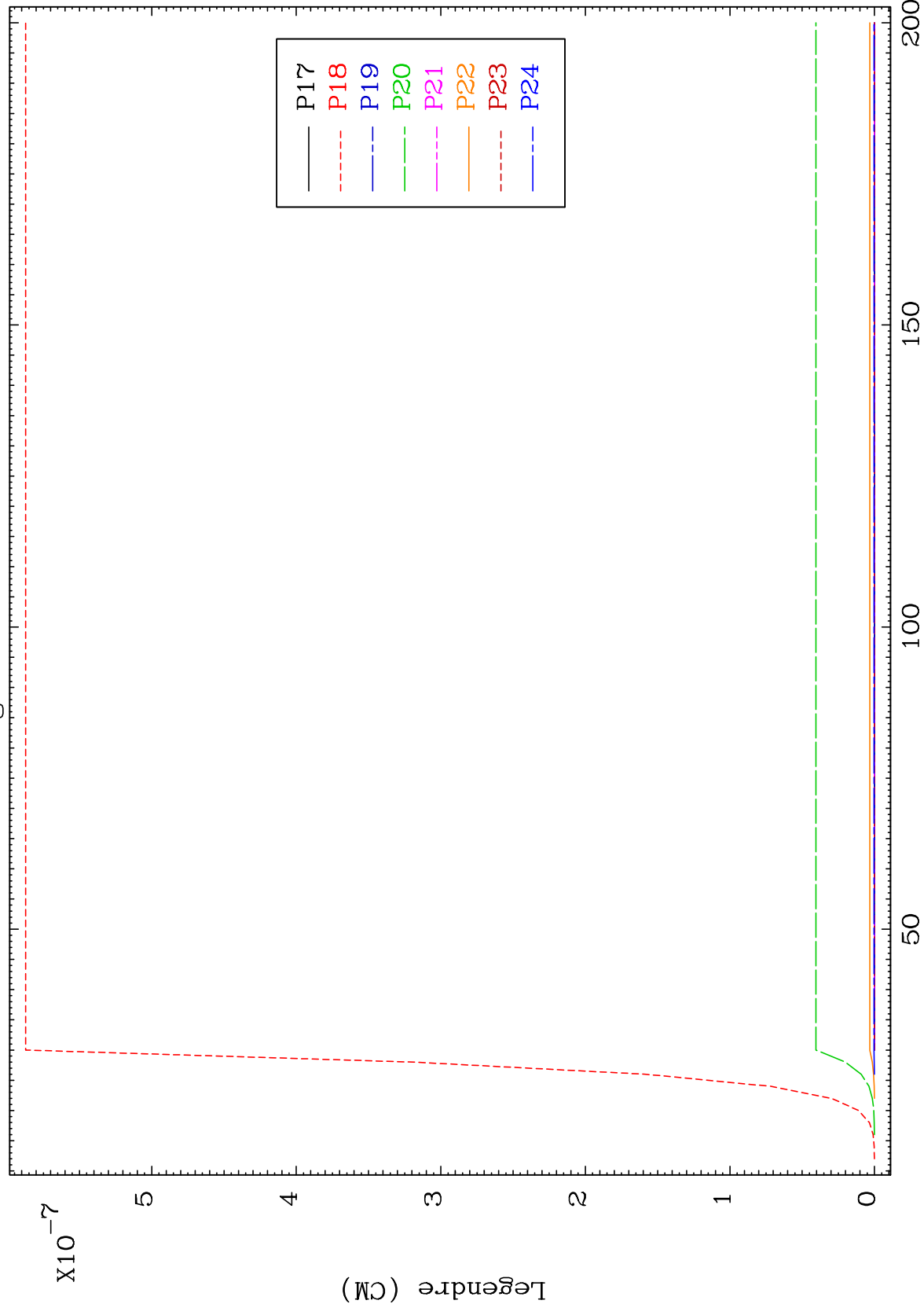
Incident Energy (MeV)

29

MAT 3916

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

39-Y -86



39-Y -86

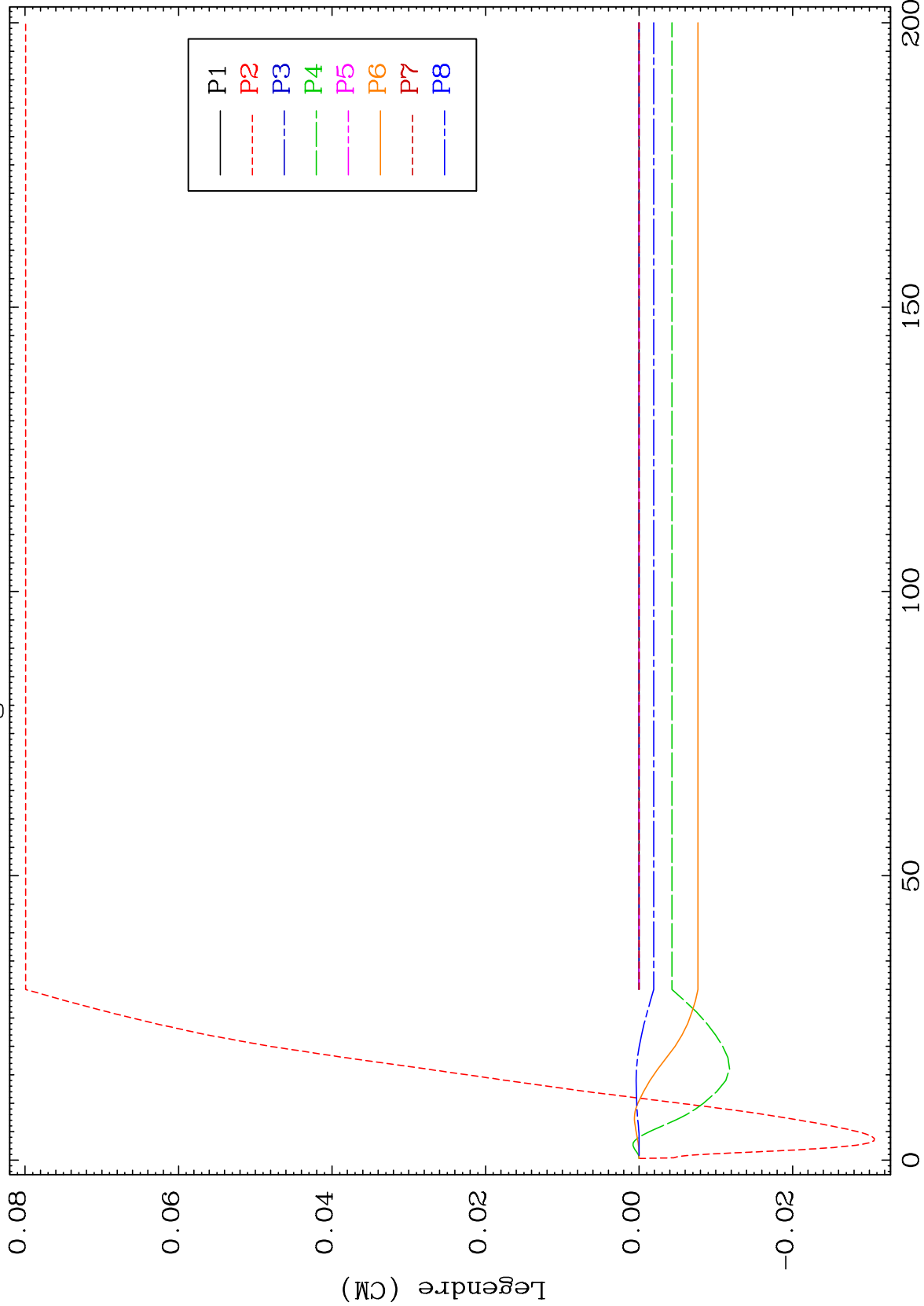
Incident Energy (MeV)

30

MAT 3916

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

39-Y -86



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Incident Energy (MeV)

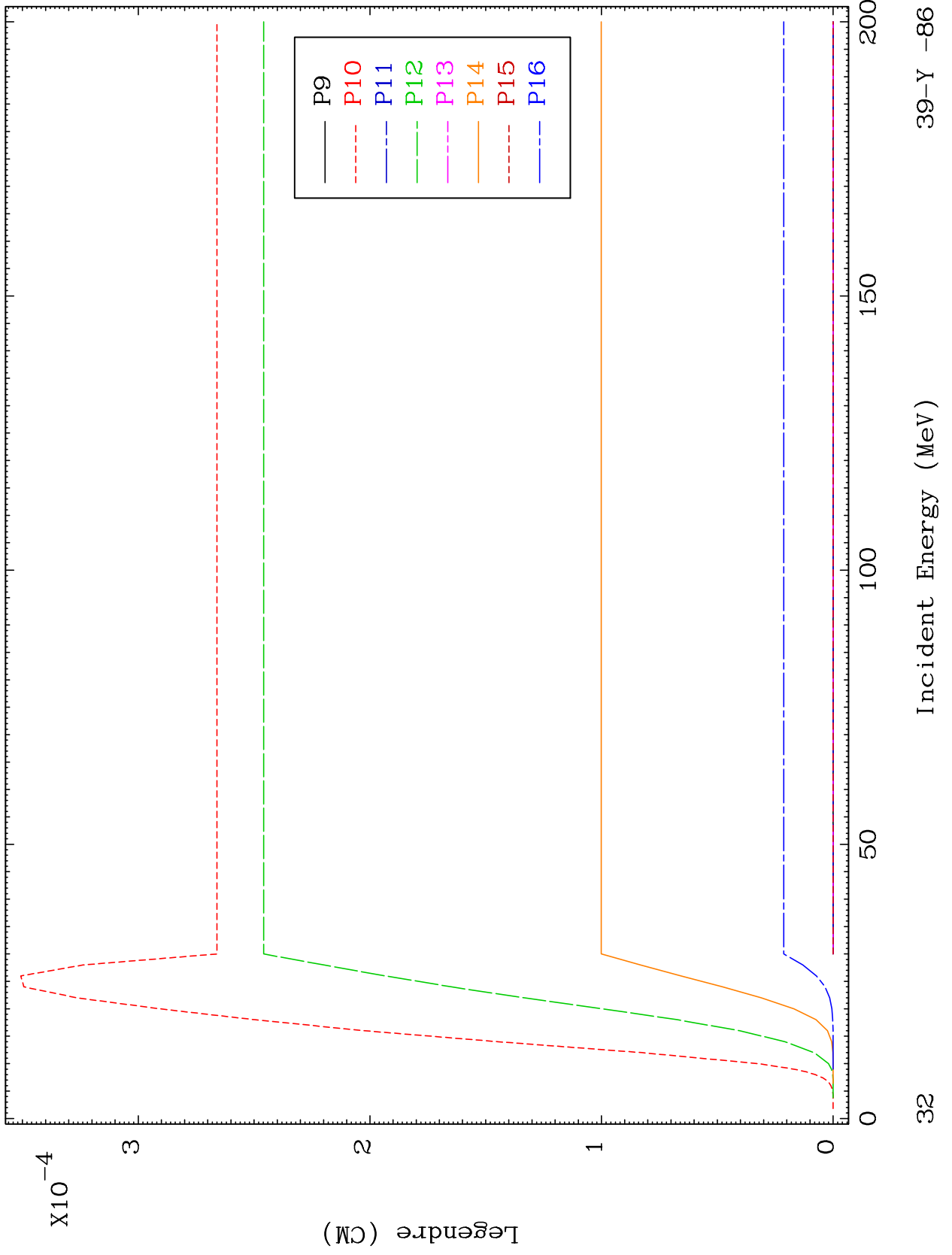
39-Y -86



MAT 3916

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

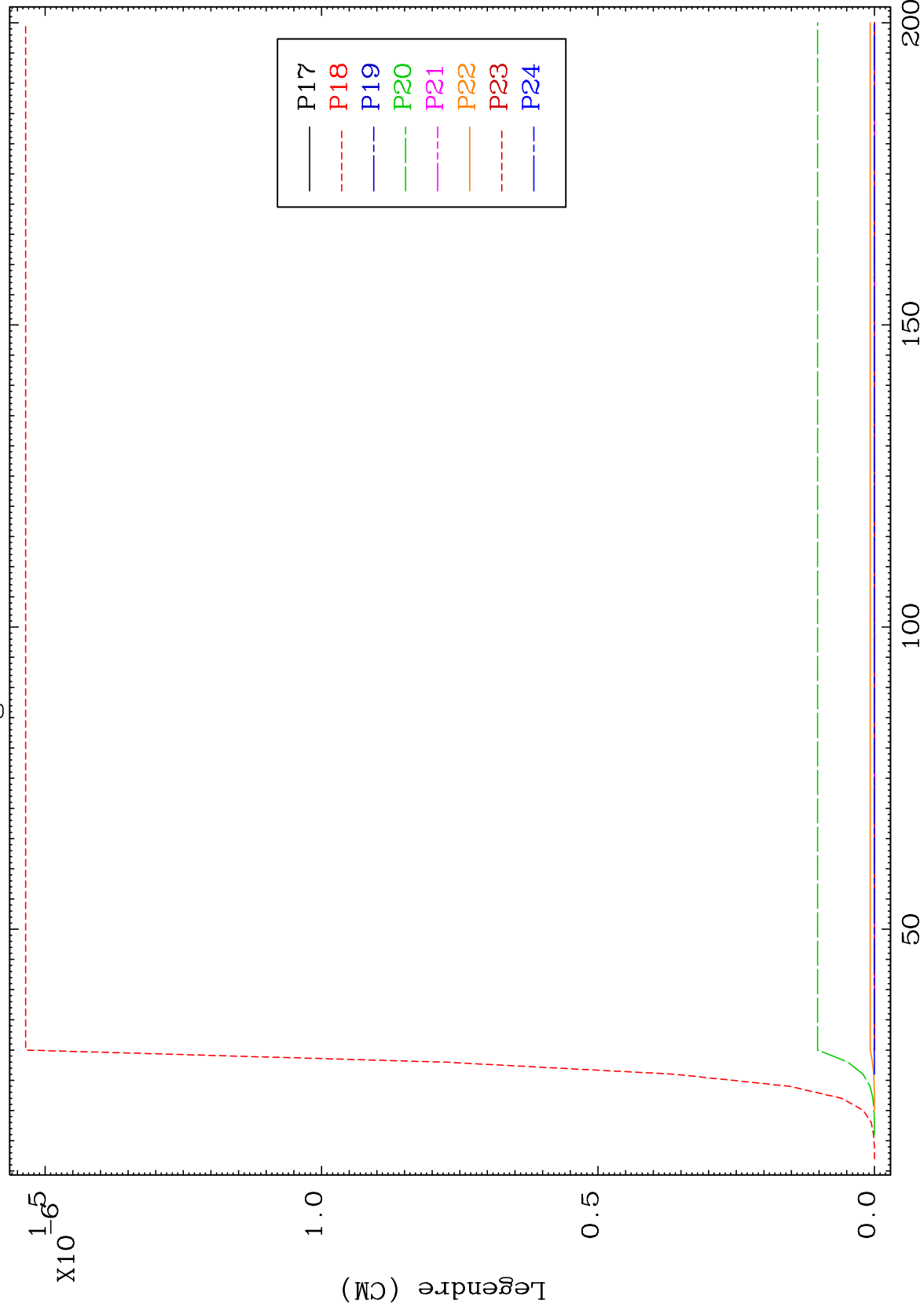
39-Y -86



MAT 3916

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

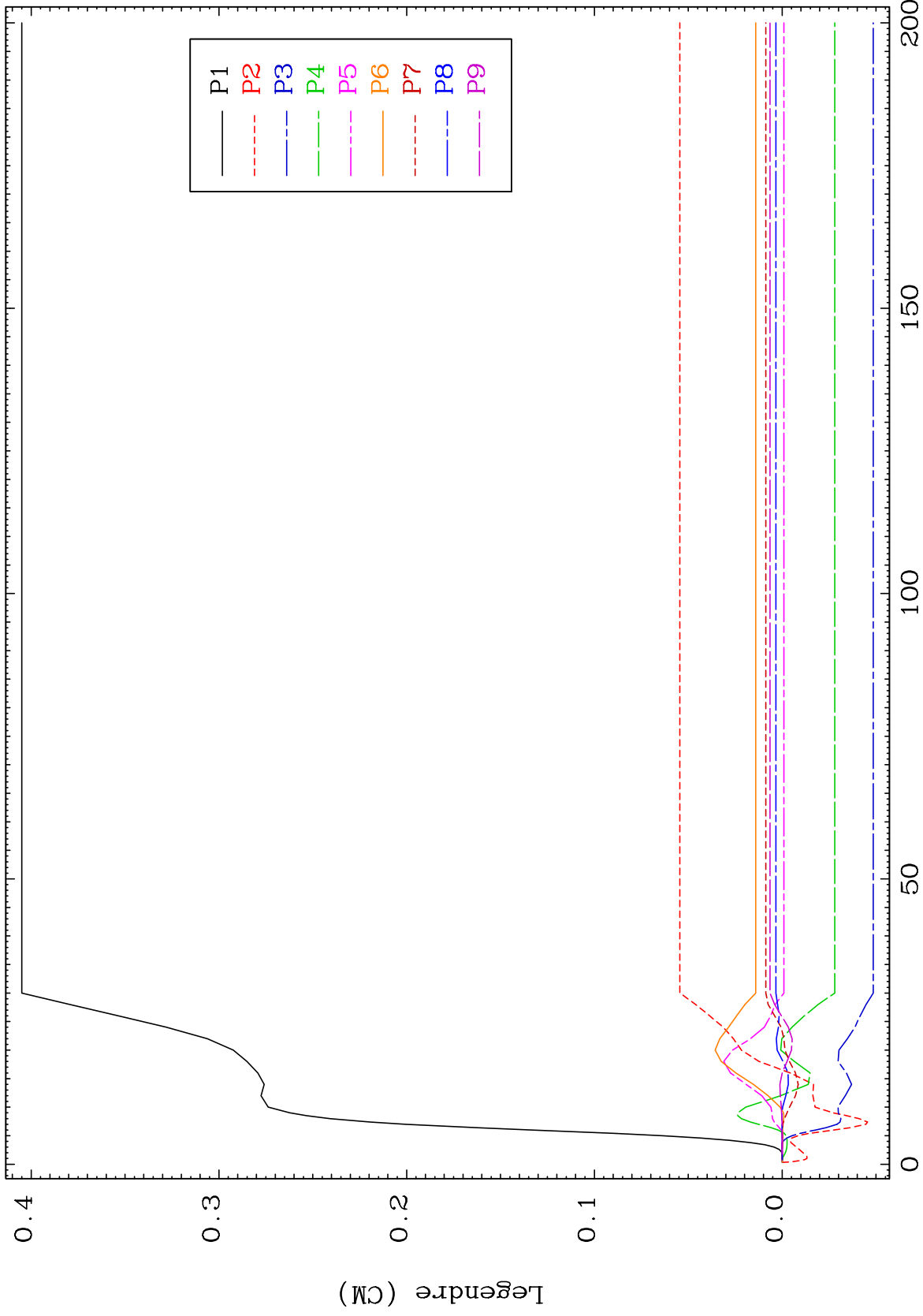
39-Y -86



33

Incident Energy (MeV)

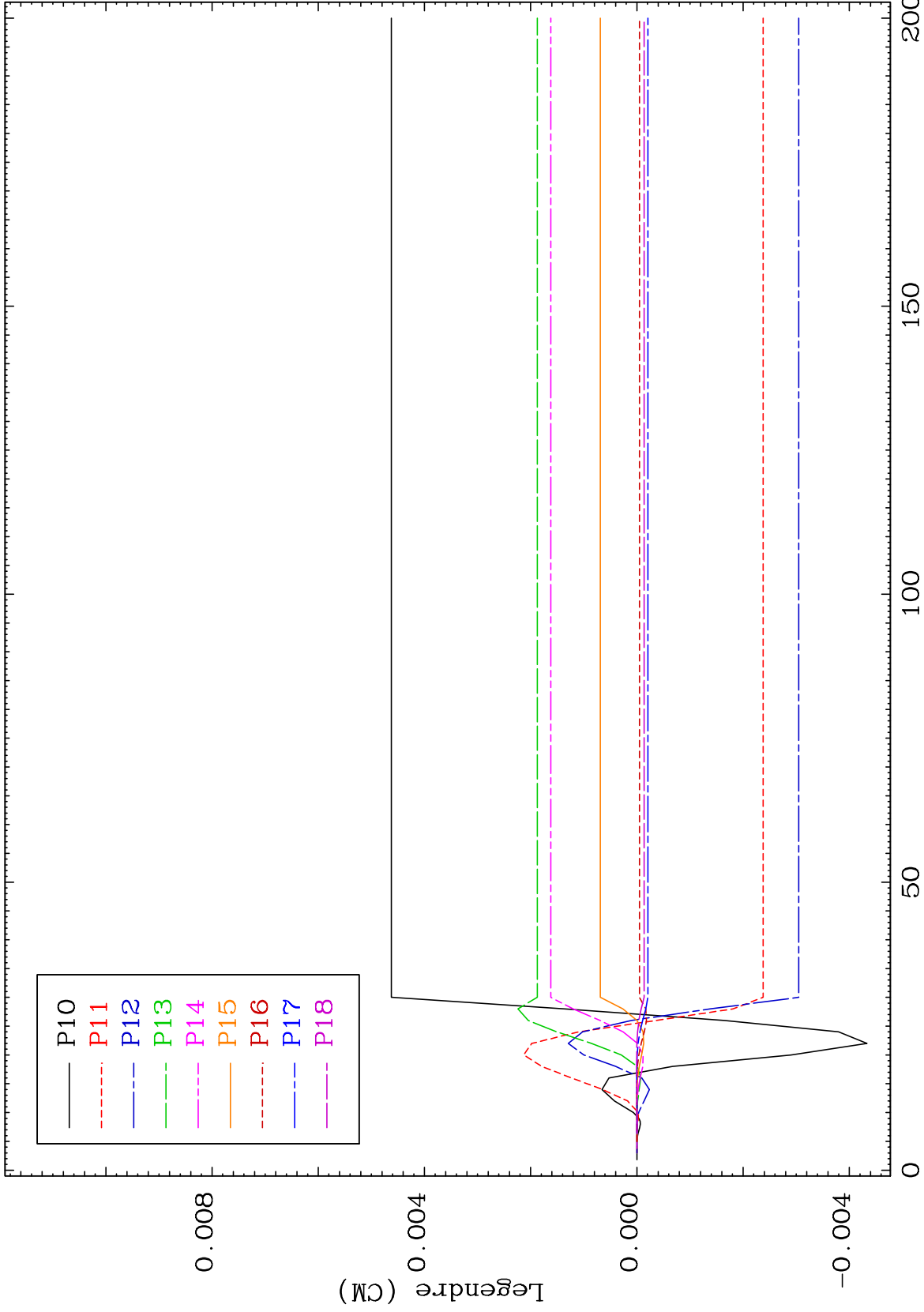
39-Y -86



MAT 3916

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

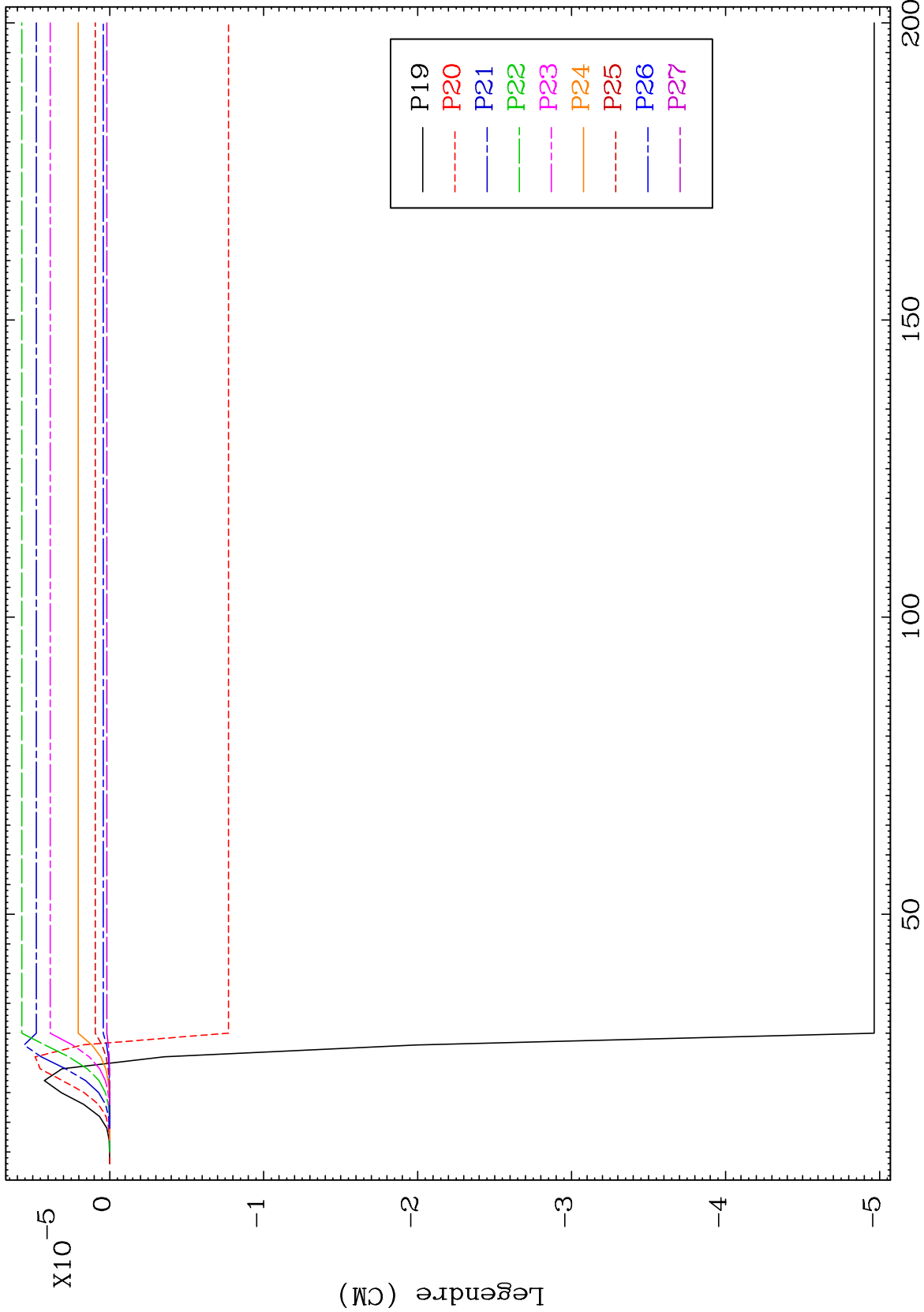
39-Y -86



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Incident Energy (MeV)

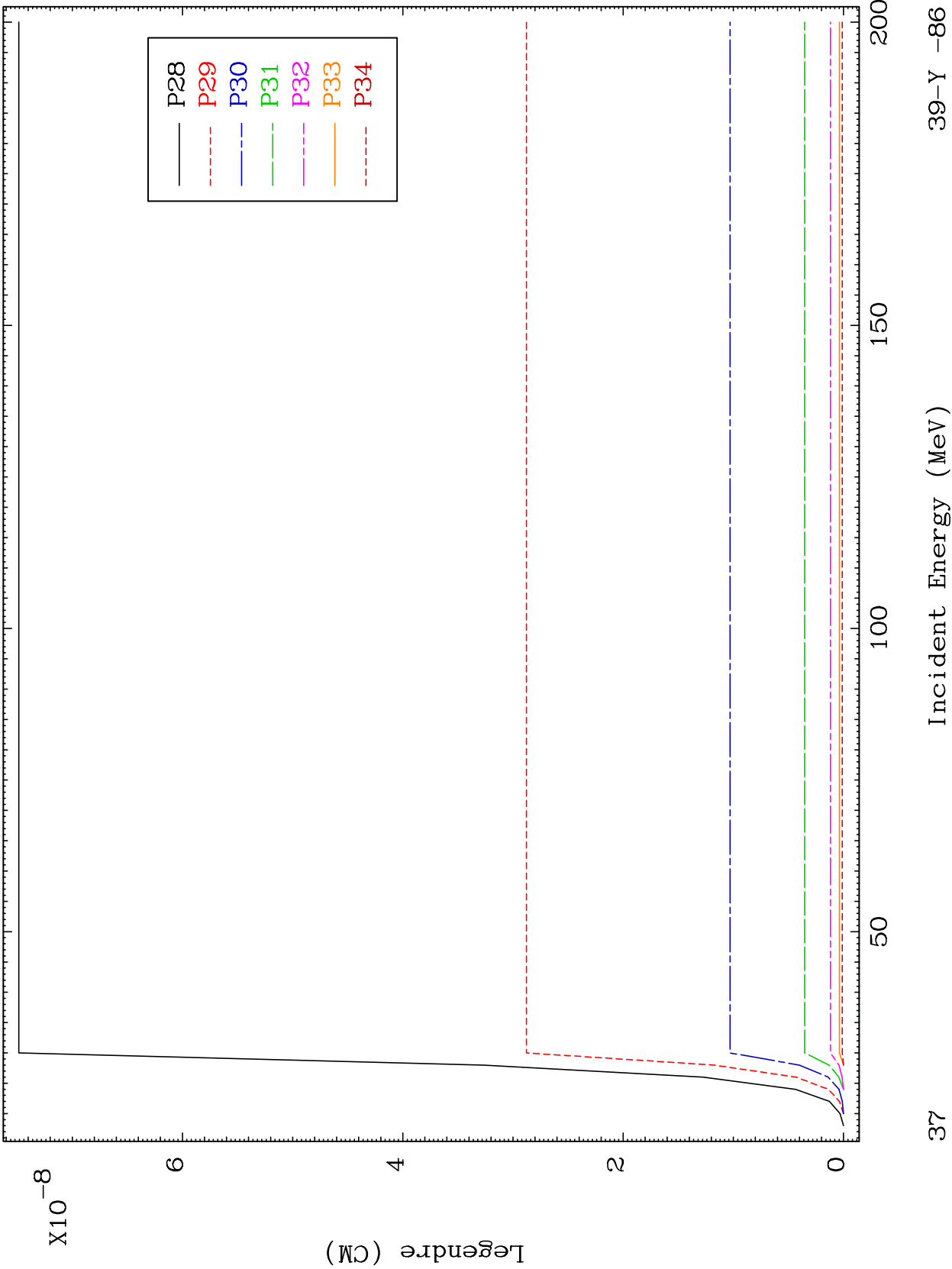
39-Y -86



MAT 3916

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

39-Y -86



37

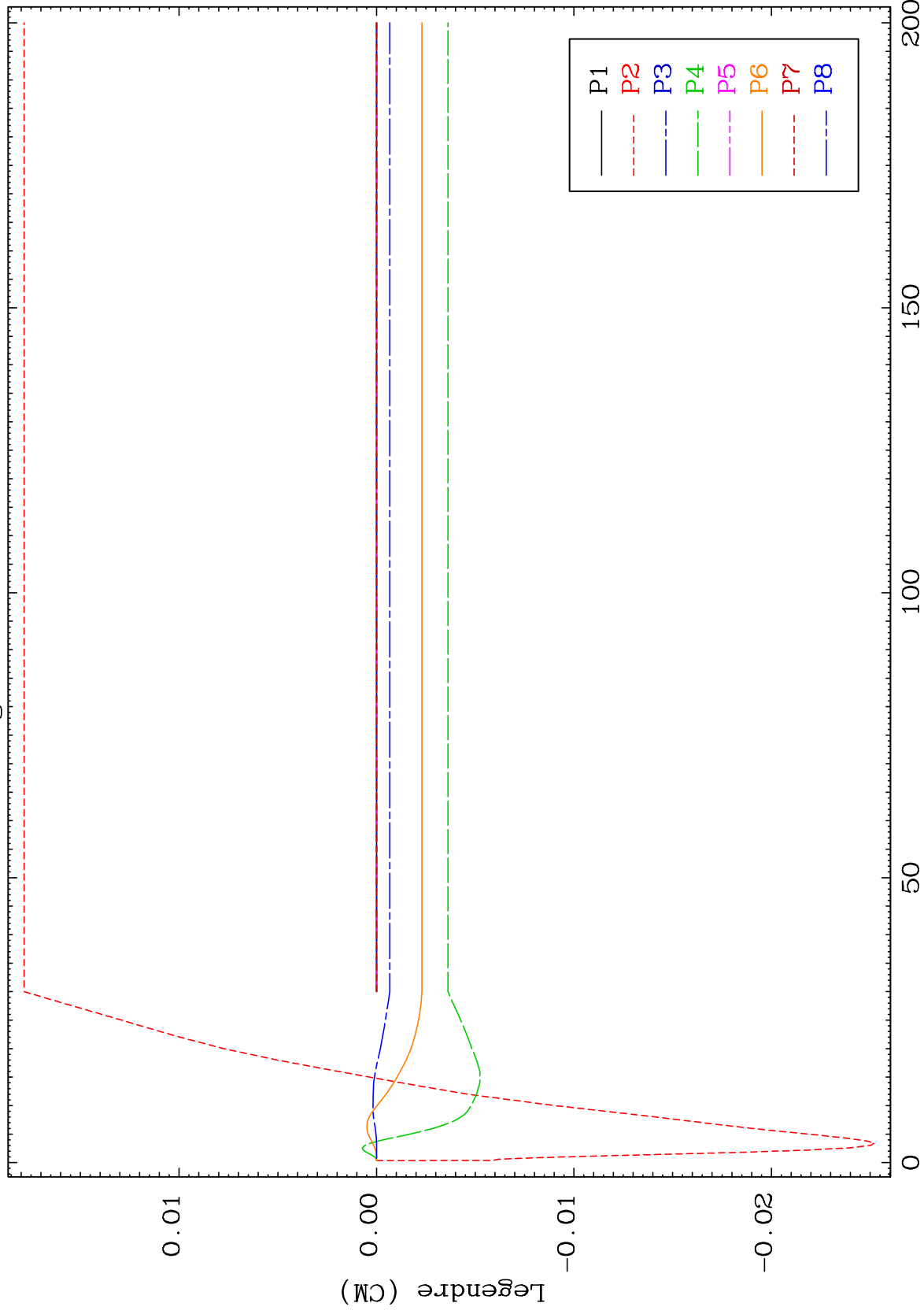
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



39-Y -86

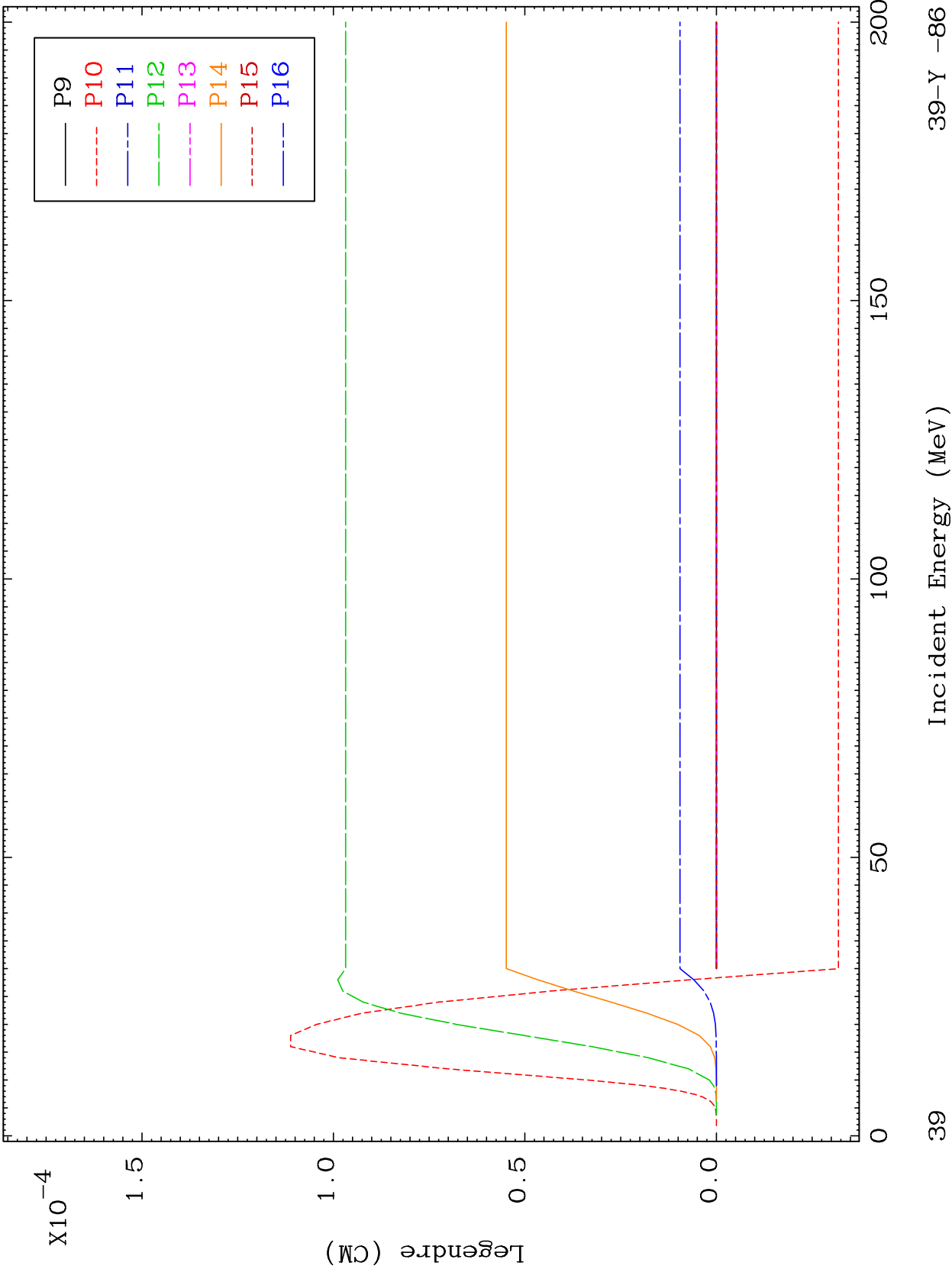
Incident Energy (MeV)

38

MAT 3916

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

39-Y -86



39

Incident Energy (MeV)

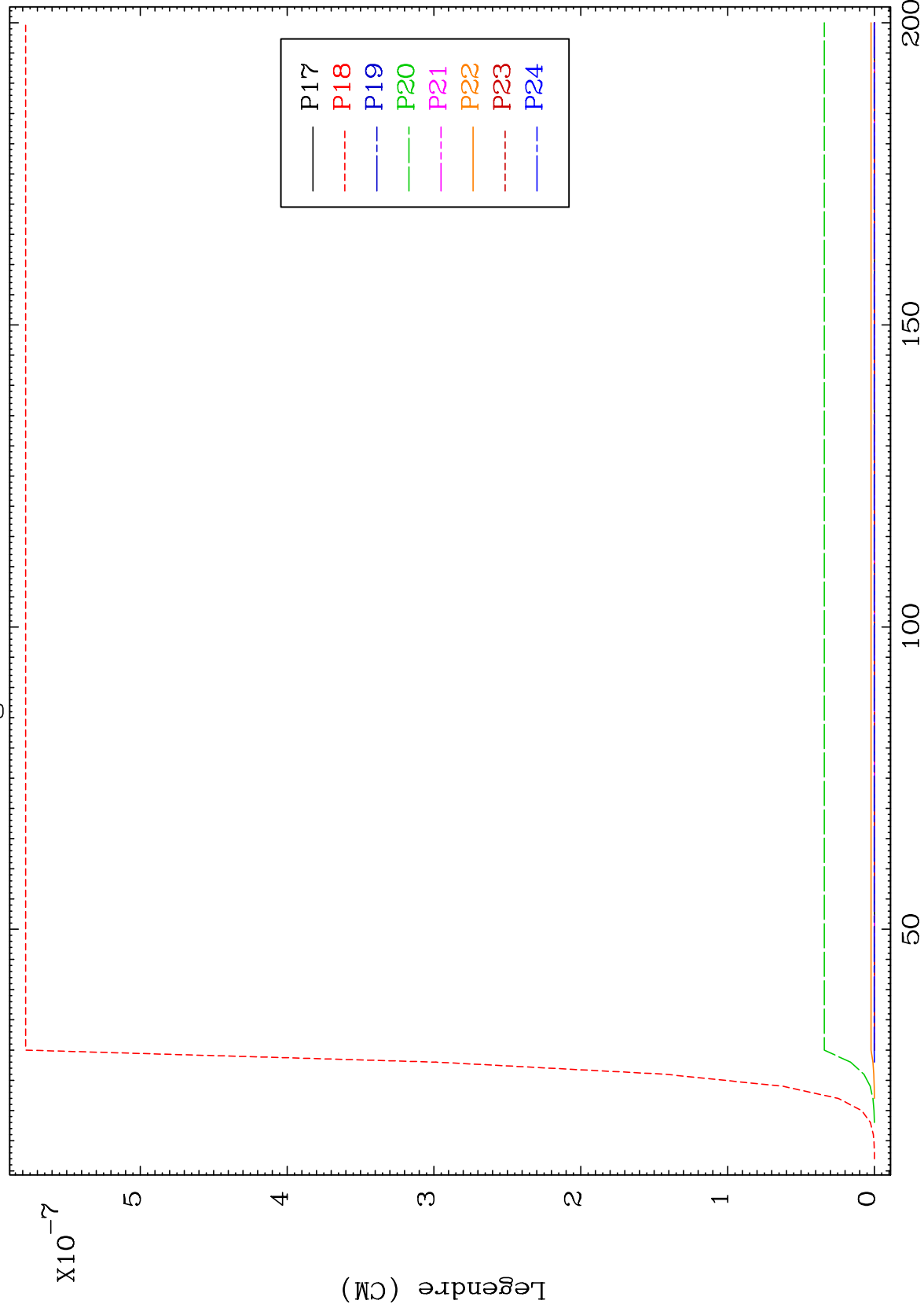
39-Y -86



MAT 3916

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

39-Y -86



39-Y -86

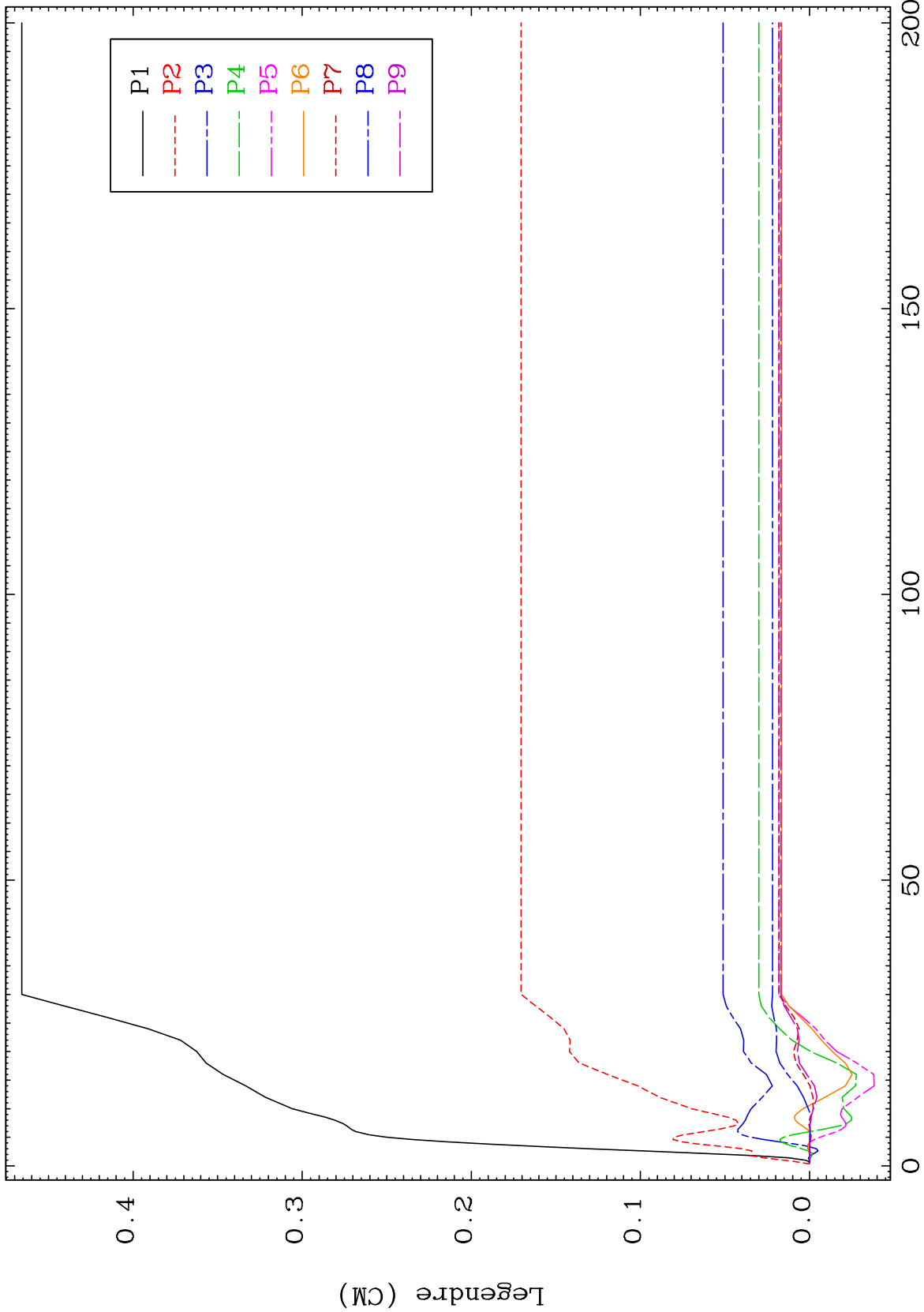
Incident Energy (MeV)

40

MAT 3916

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

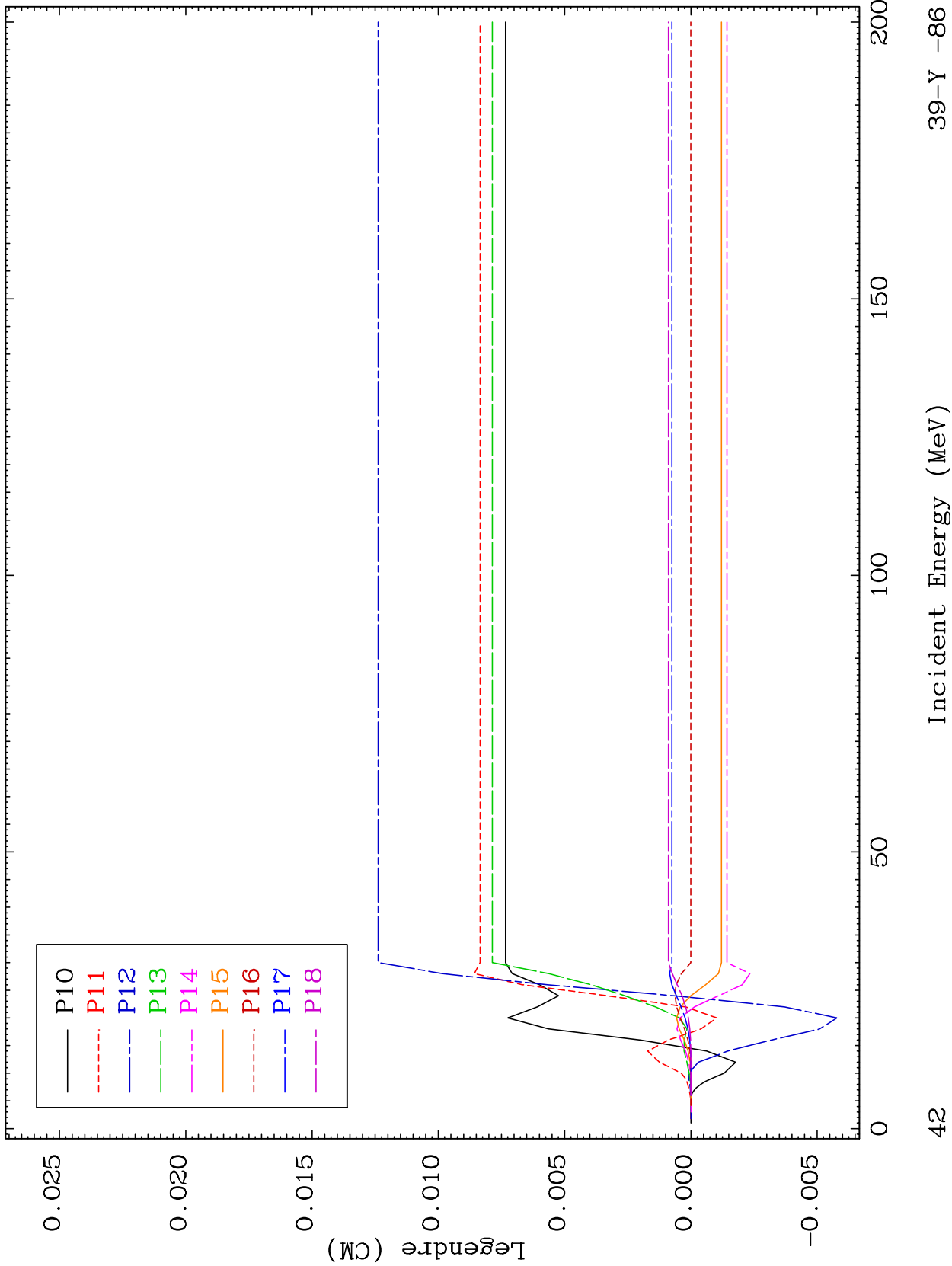
39-Y -86



41

Incident Energy (MeV)

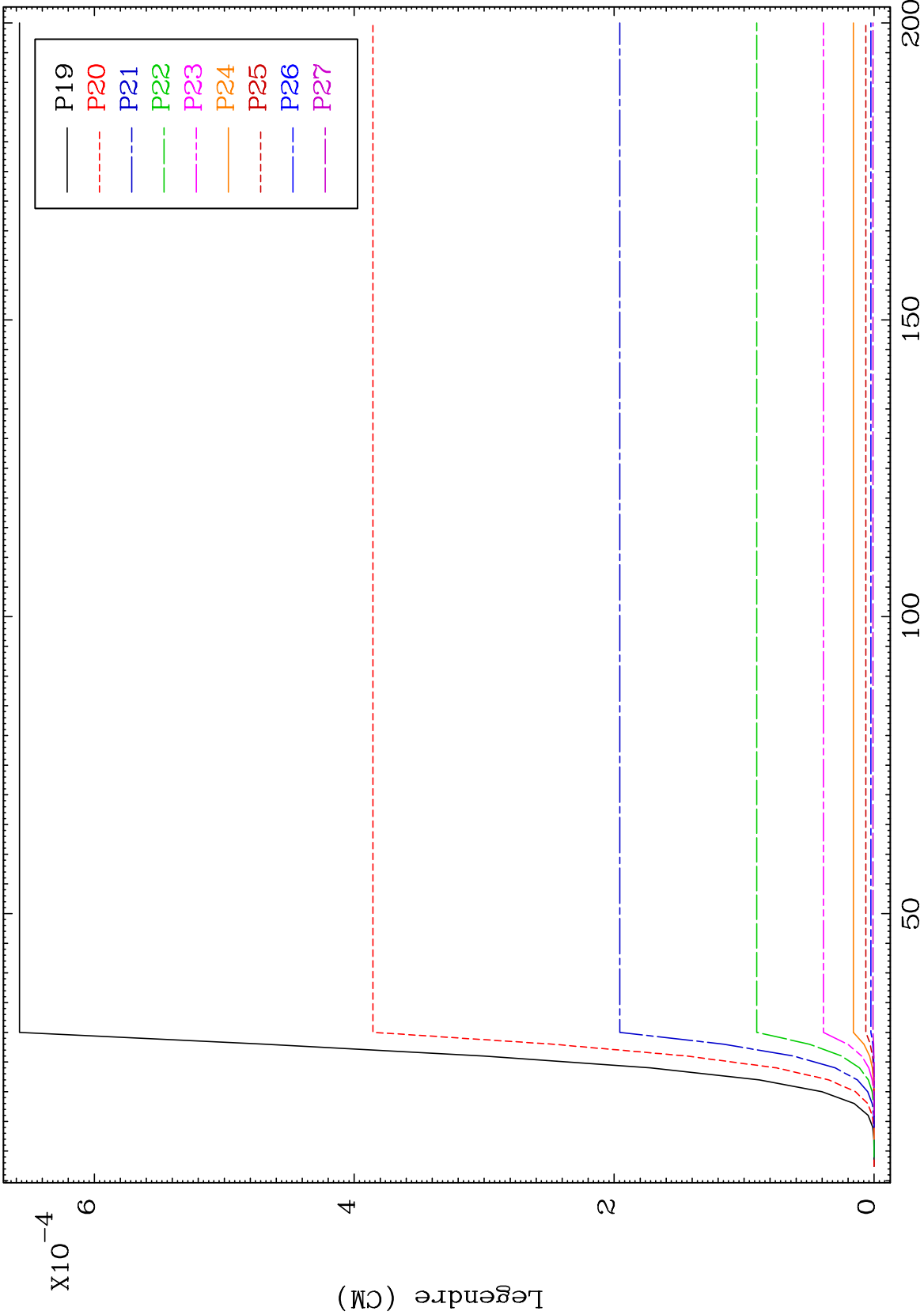
39-Y -86



MAT 3916

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

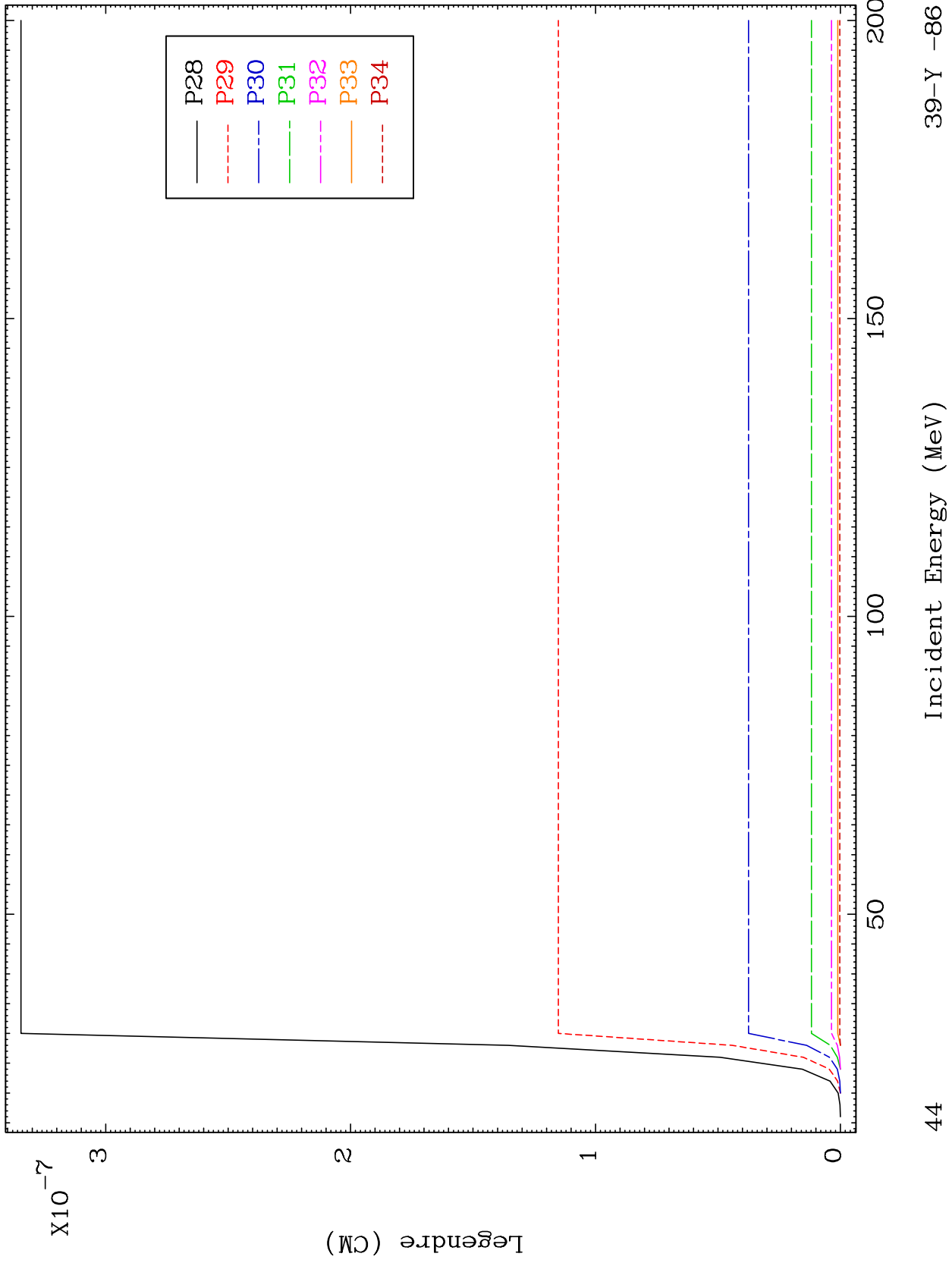
39-Y -86

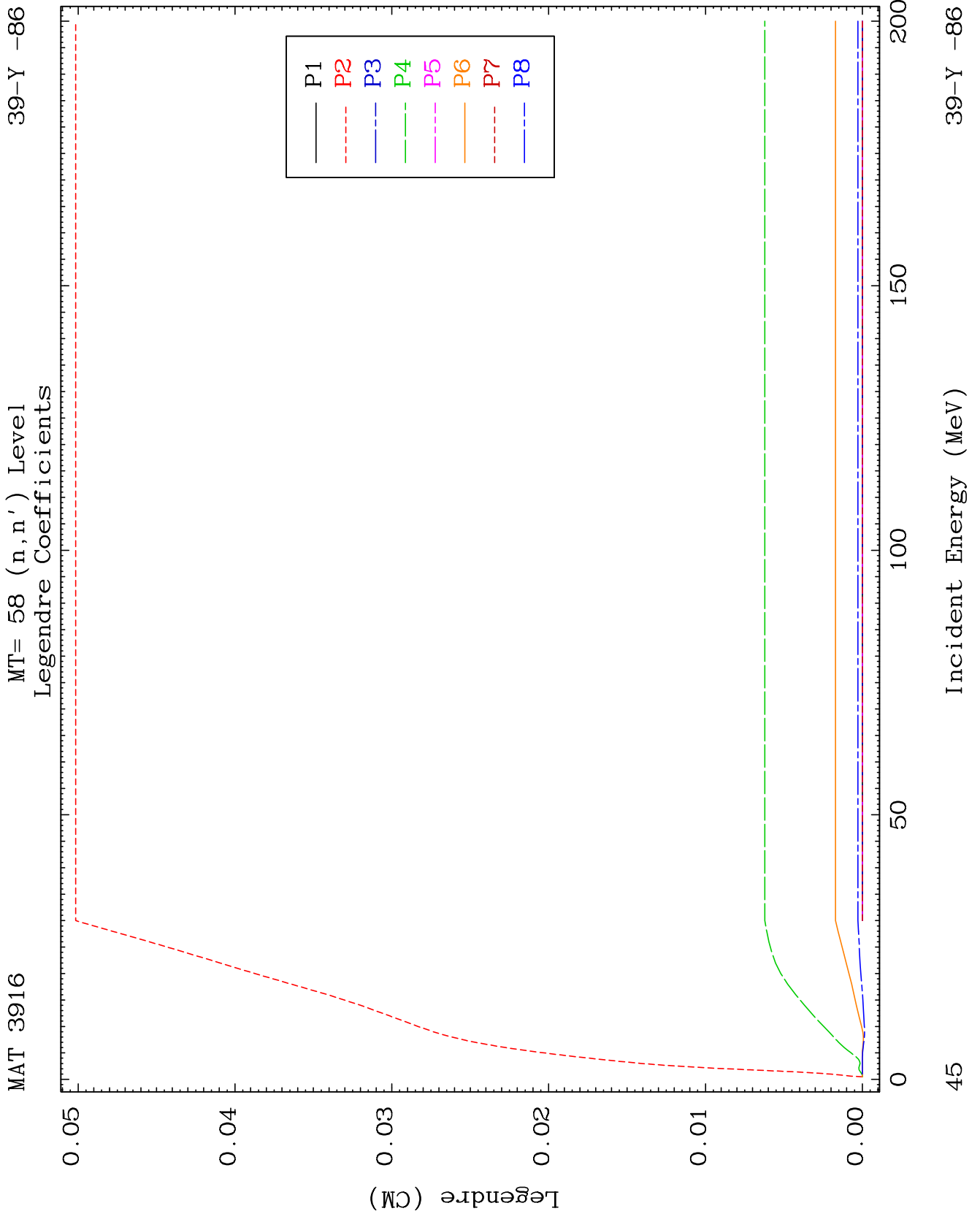


43

Incident Energy (MeV)

39-Y -86

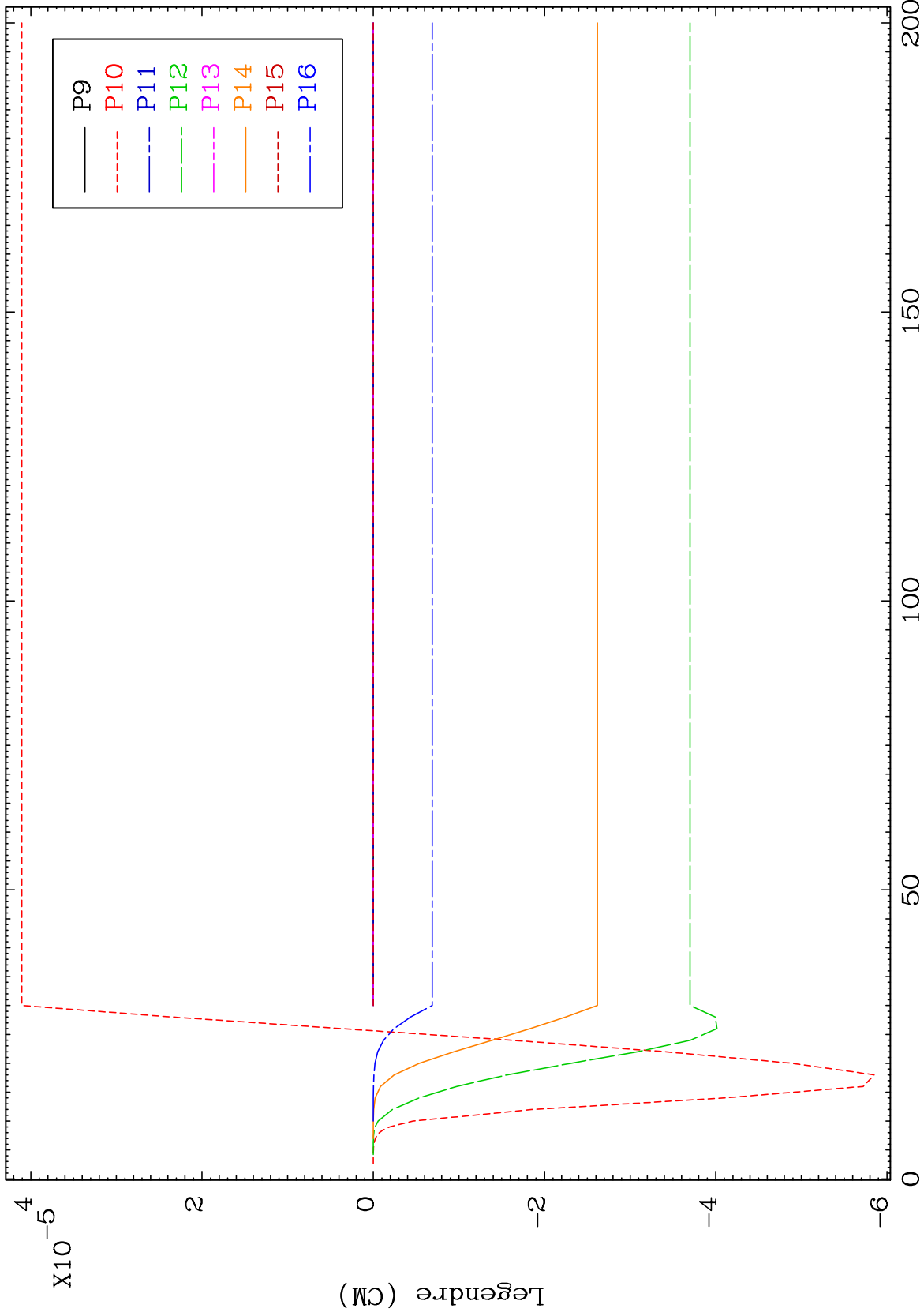




MAT 3916

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

39-Y -86



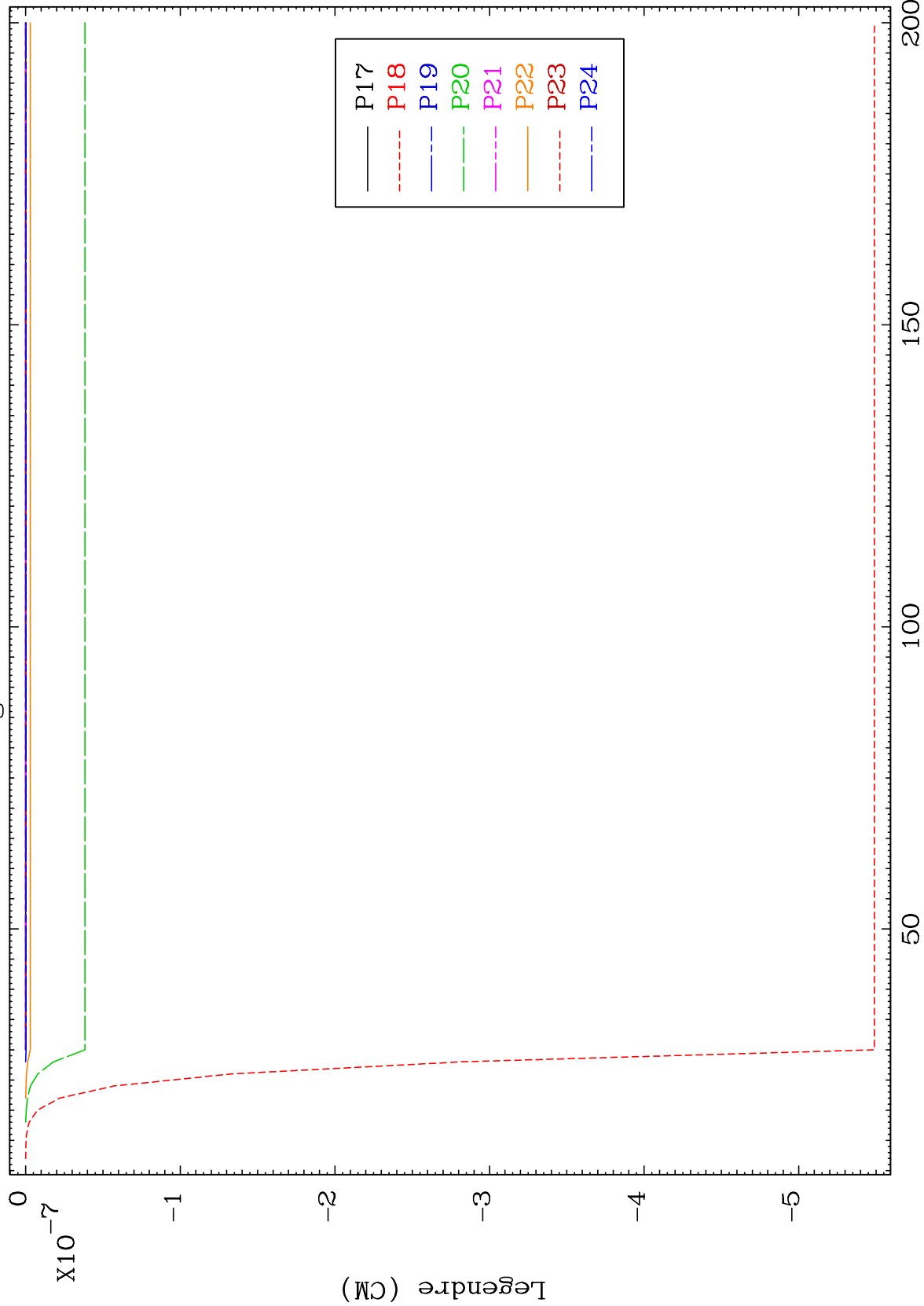
46

Incident Energy (MeV)

39-Y -86

MAT 3916 MT= 58 (n,n') Level 39-Y -86

Legendre Coefficients



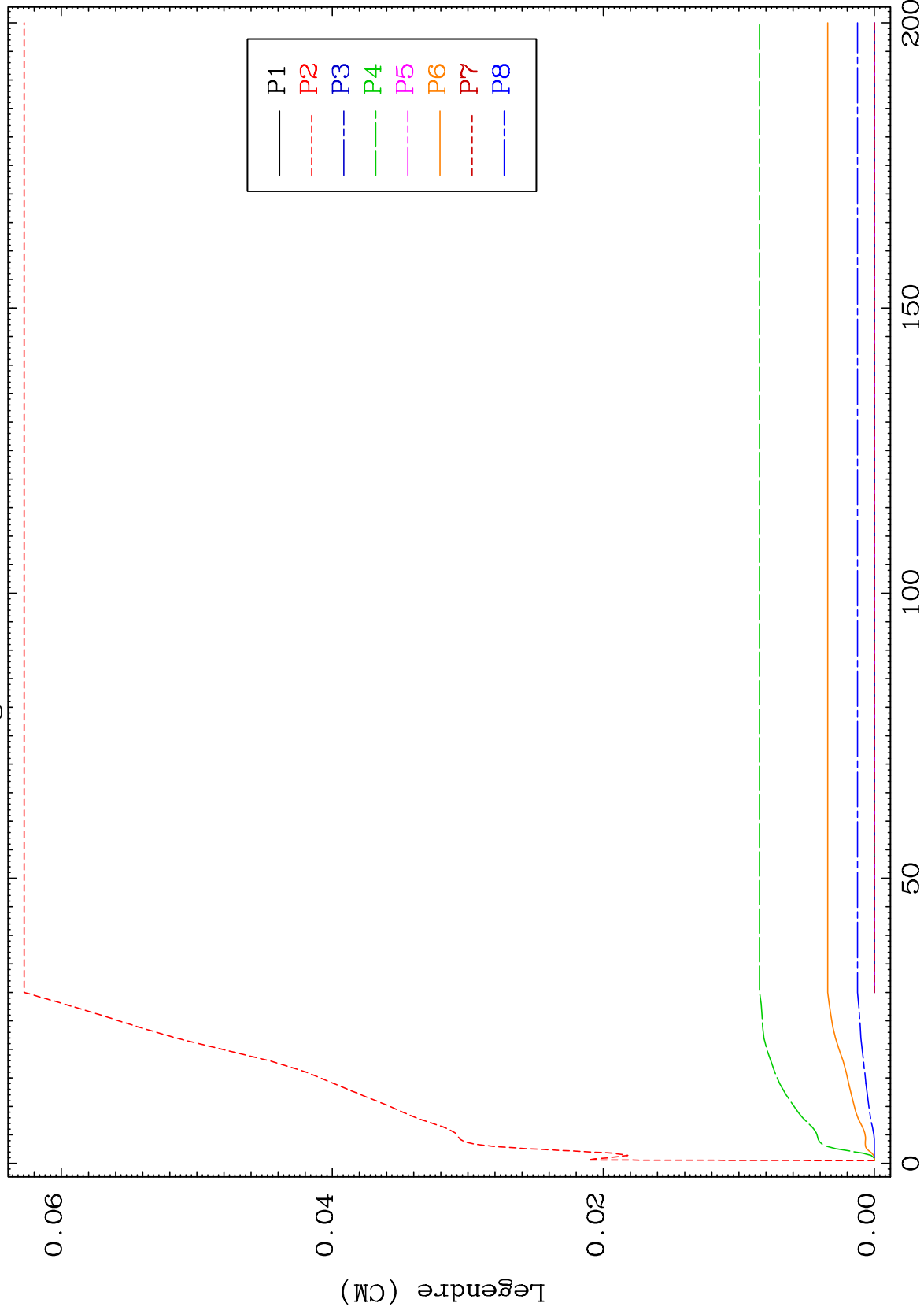
47 39-Y -86



MAT 3916

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

39-Y -86



48

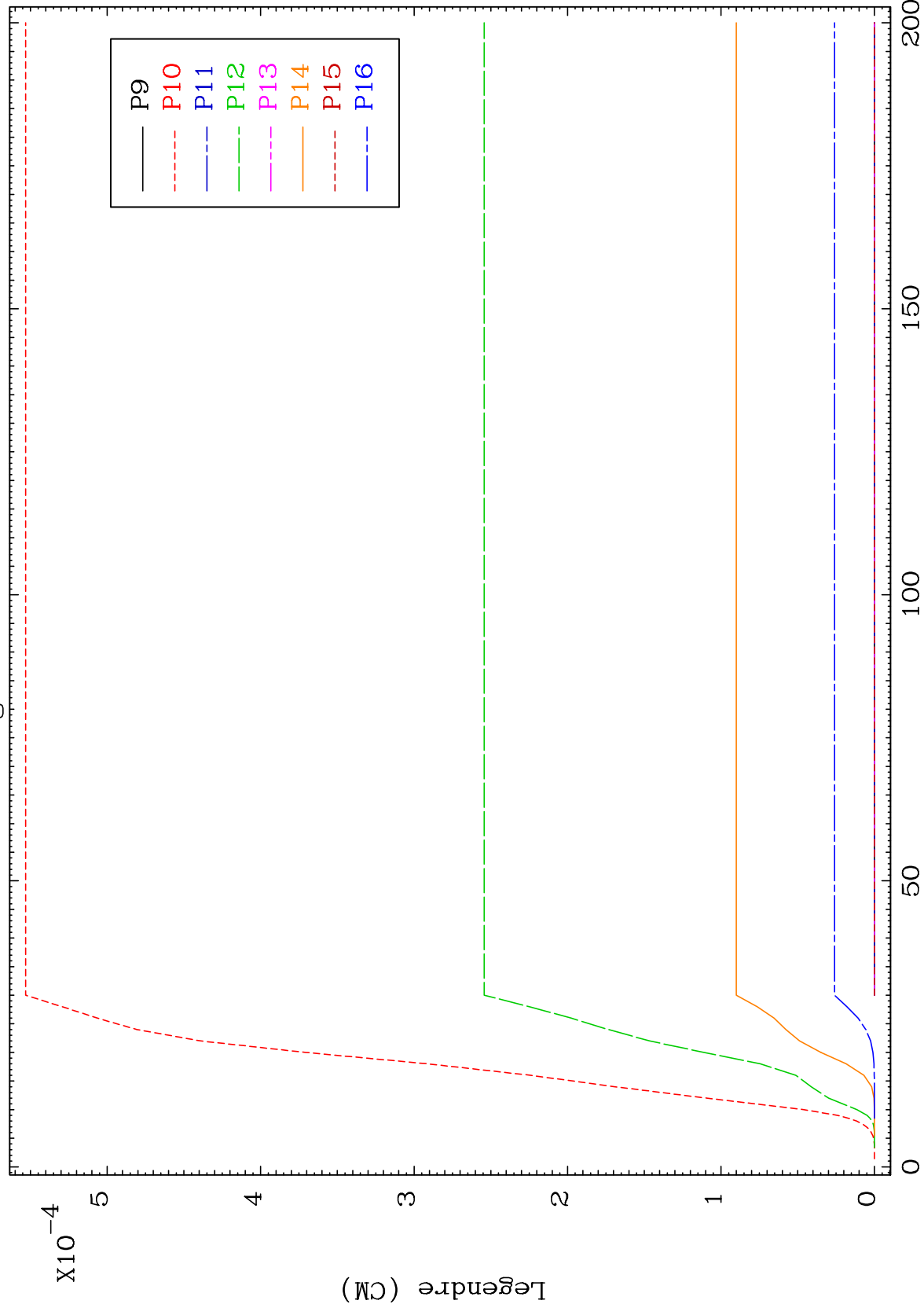
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



49

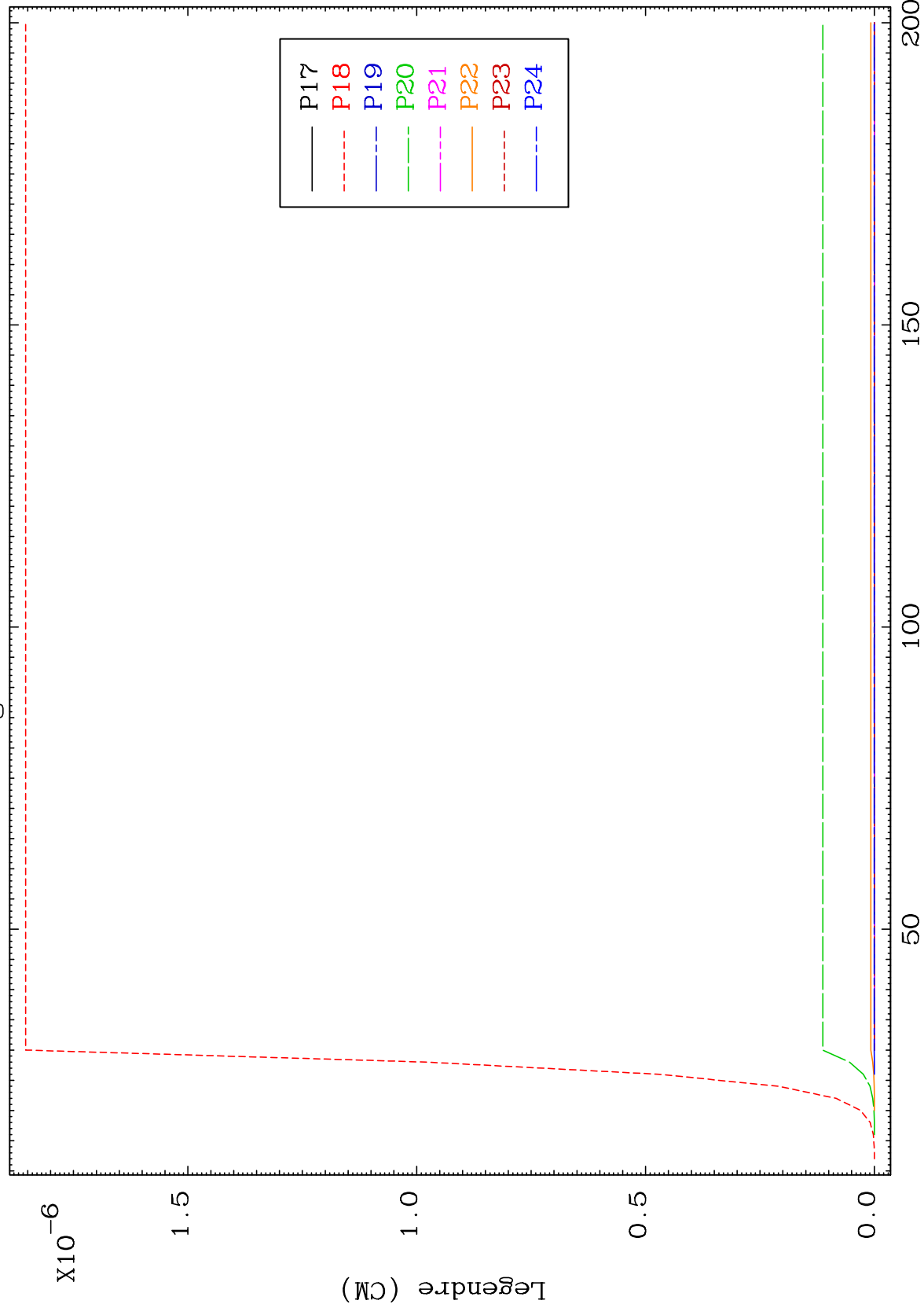
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



39-Y -86

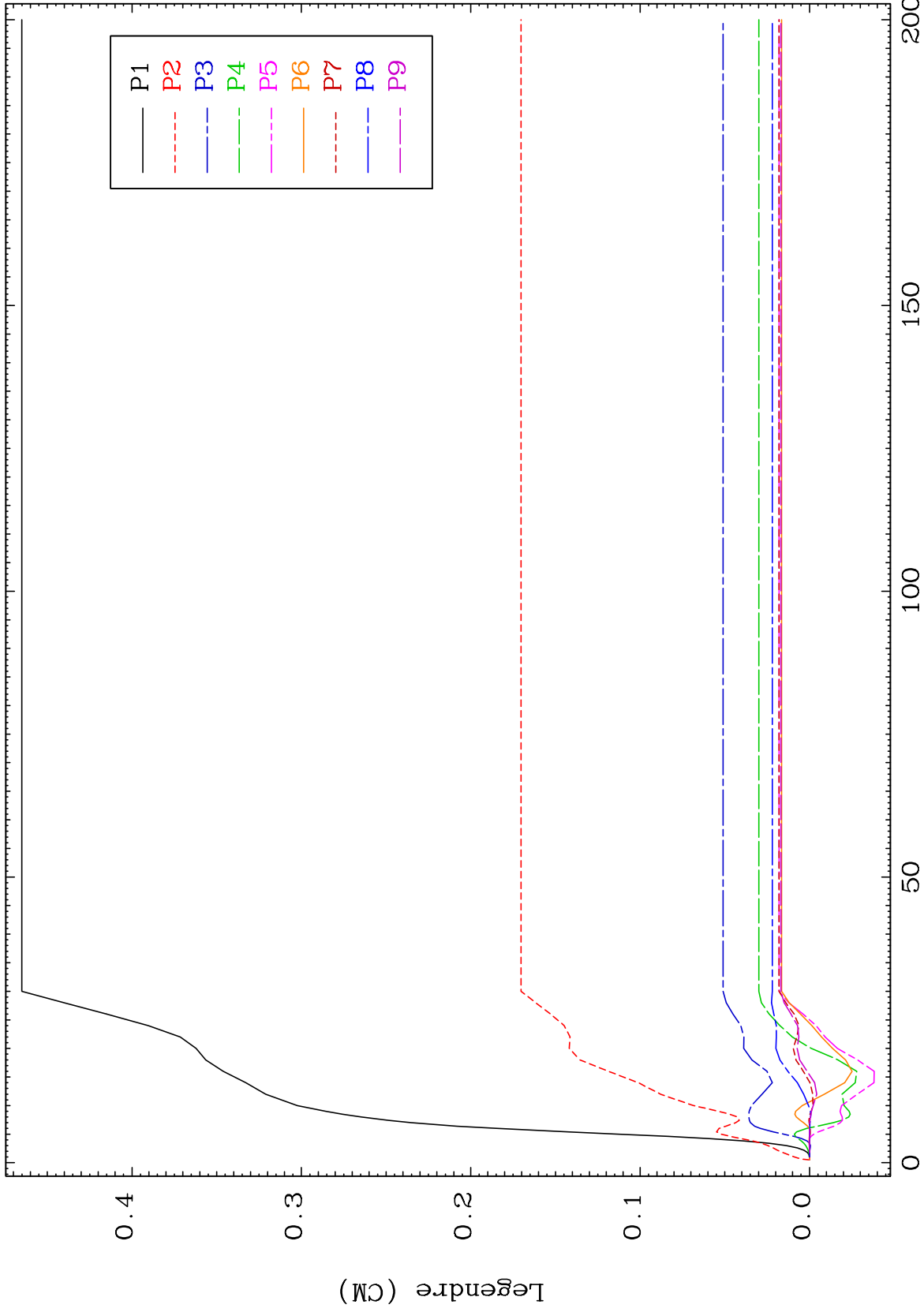
Incident Energy (MeV)

50

MAT 3916

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

39-Y -86



39-Y -86

Incident Energy (MeV)

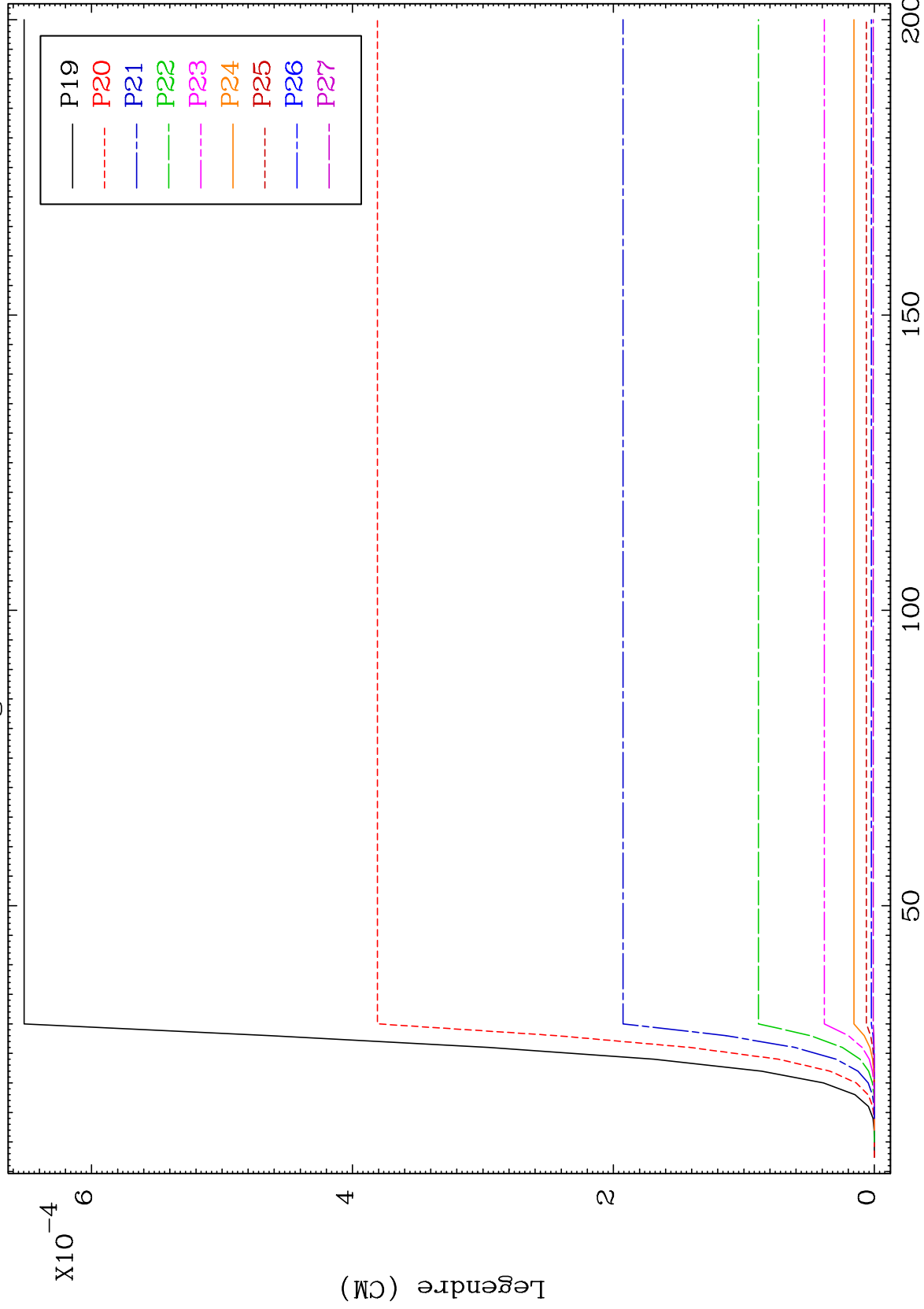
51



MAT 3916

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

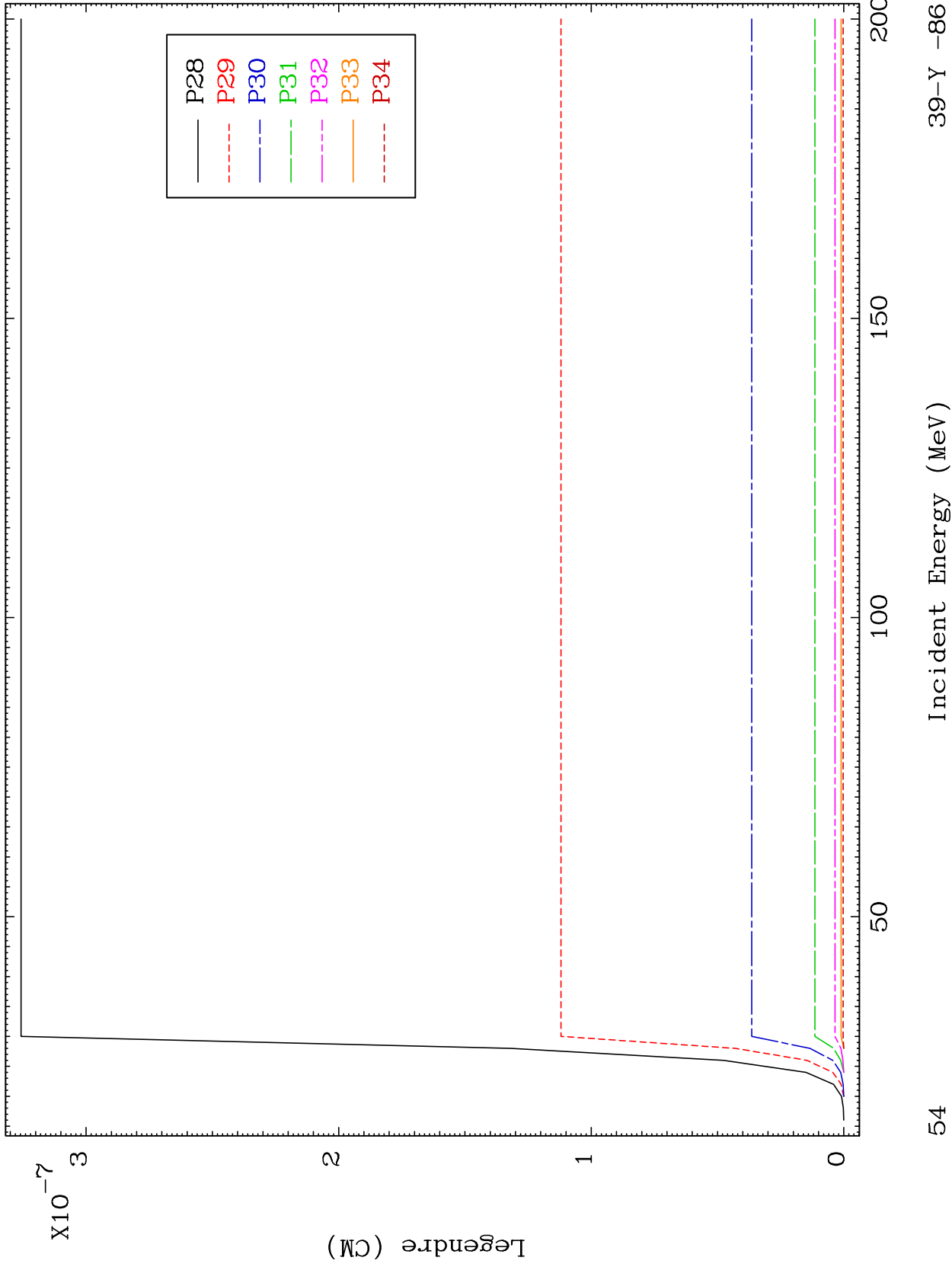
39-Y -86



53

Incident Energy (MeV)

39-Y -86



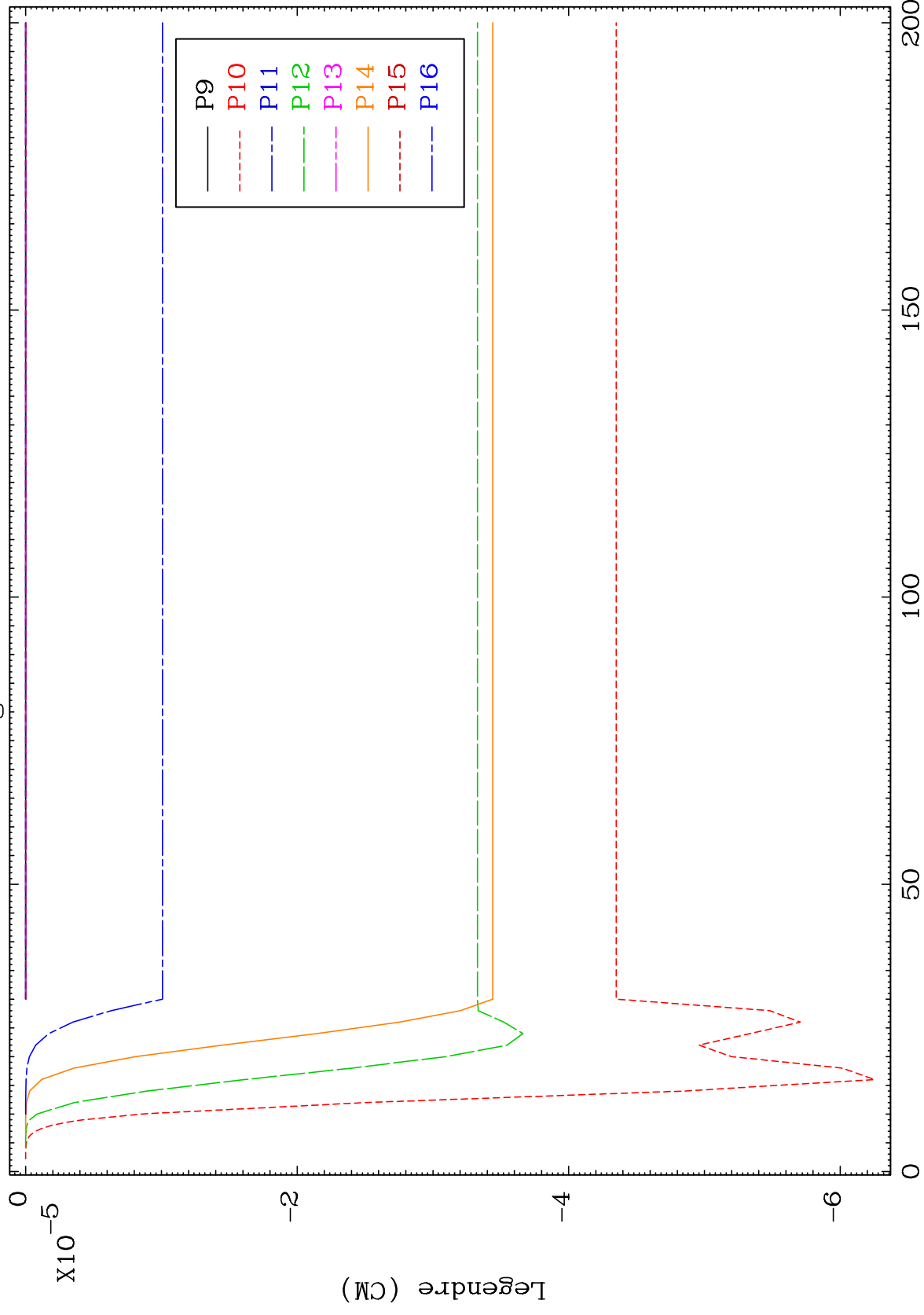




MAT 3916

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

39-Y -86



39-Y -86

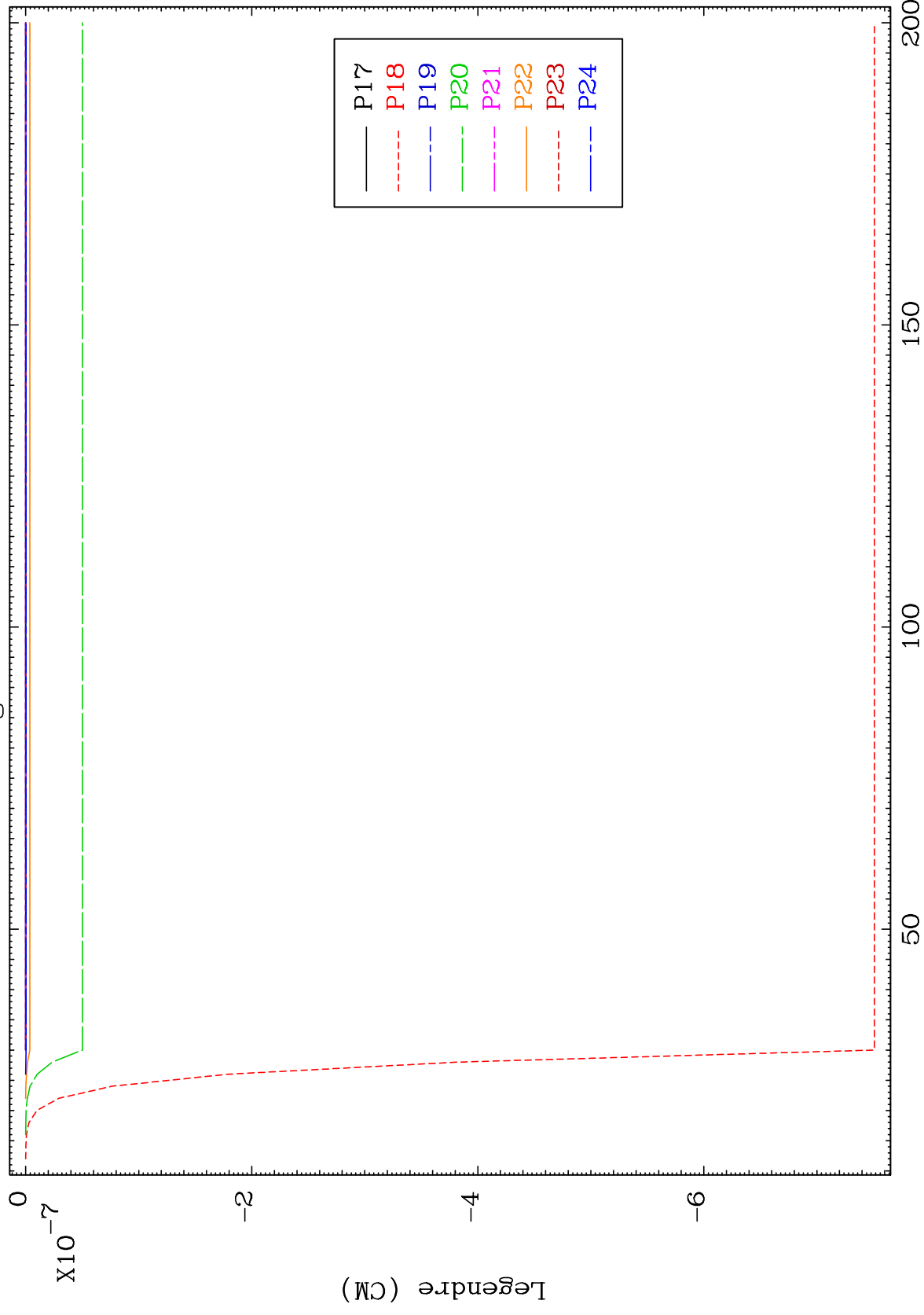
Incident Energy (MeV)

56

MAT 3916

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

39-Y -86



57

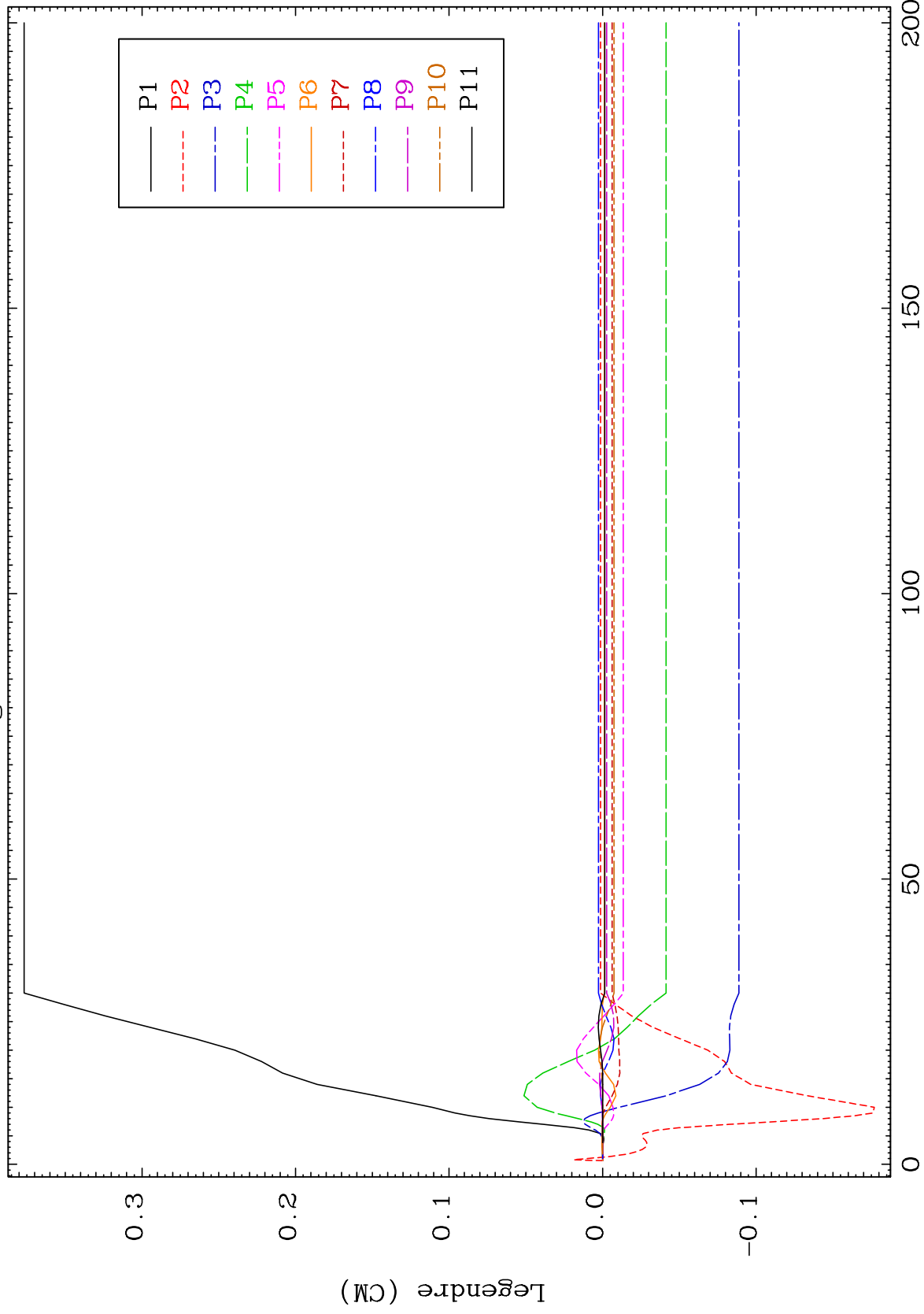
Incident Energy (MeV)

39-Y -86

MAT 3916

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

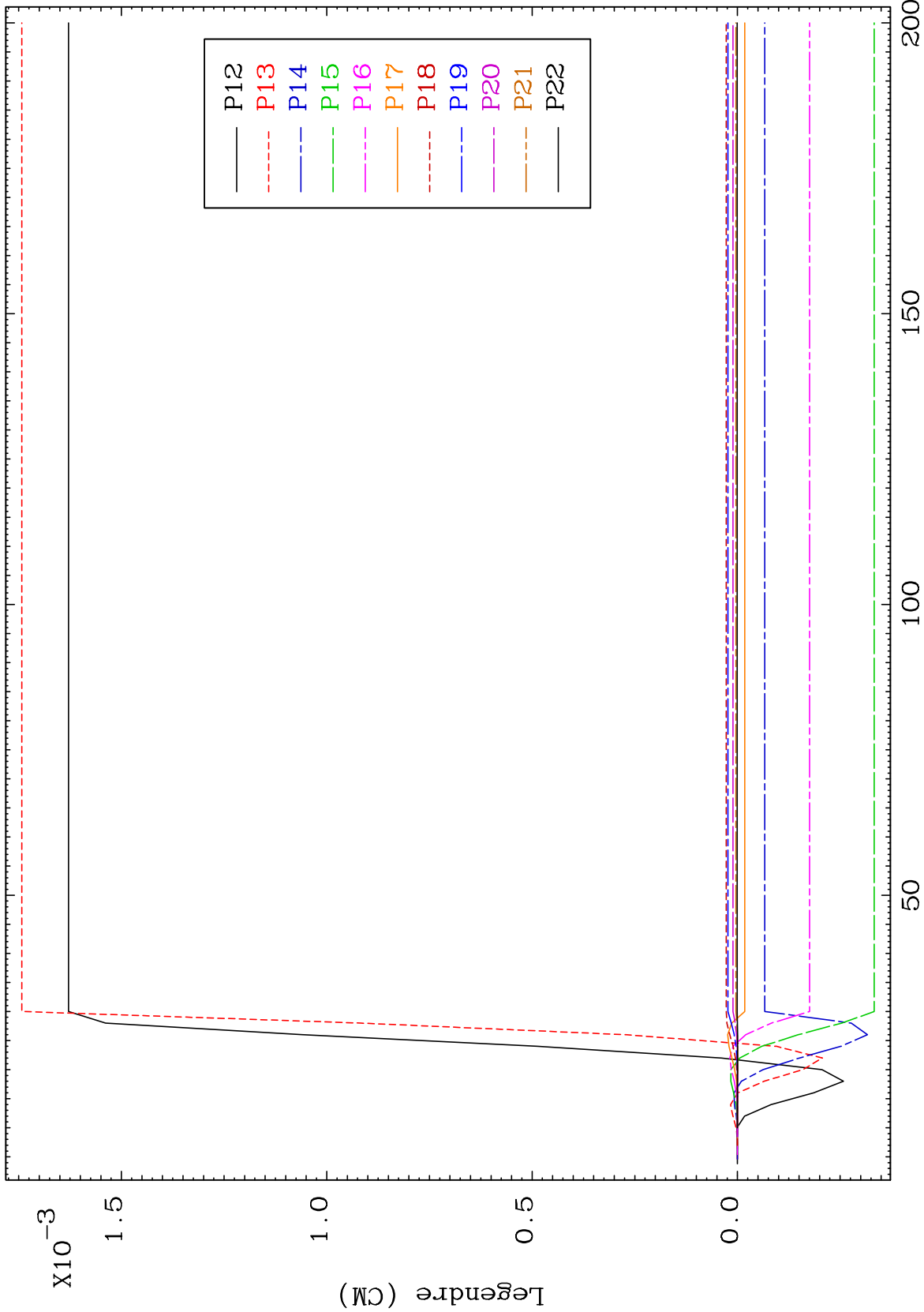
39-Y -86



58

Incident Energy (MeV)

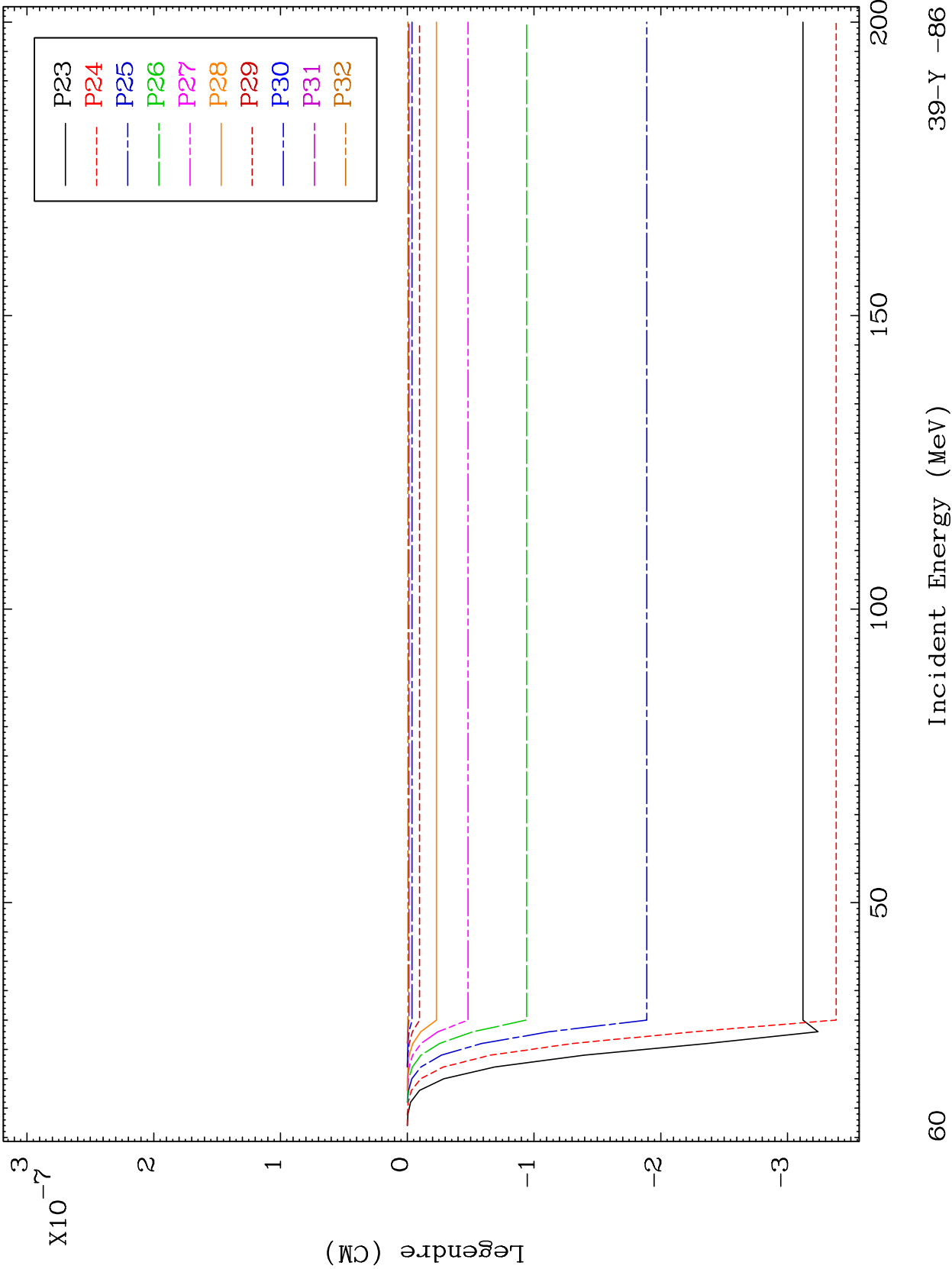
39-Y -86



MAT 3916

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

39-Y -86



39-Y -86

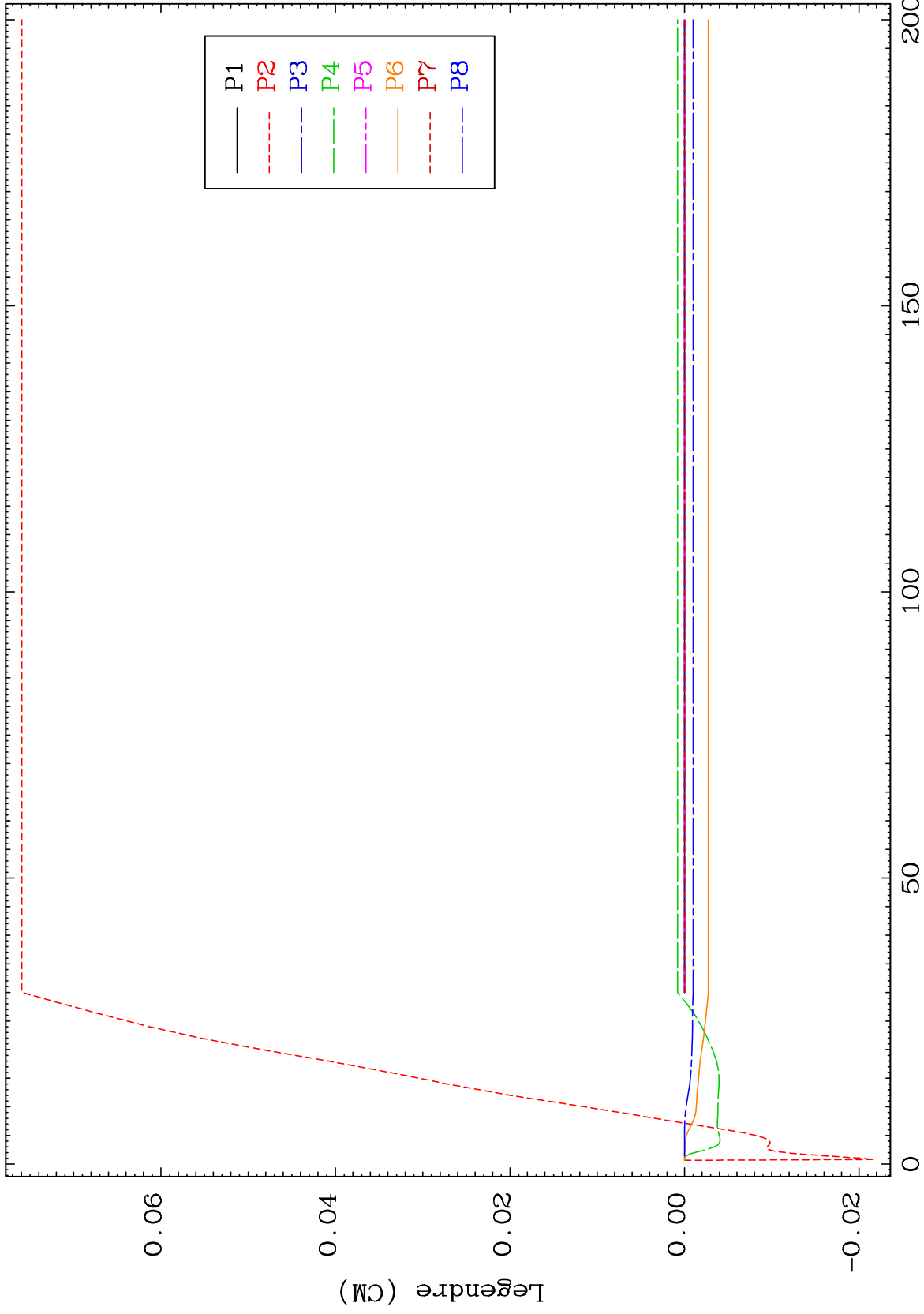
Incident Energy (MeV)

60

MAT 3916

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

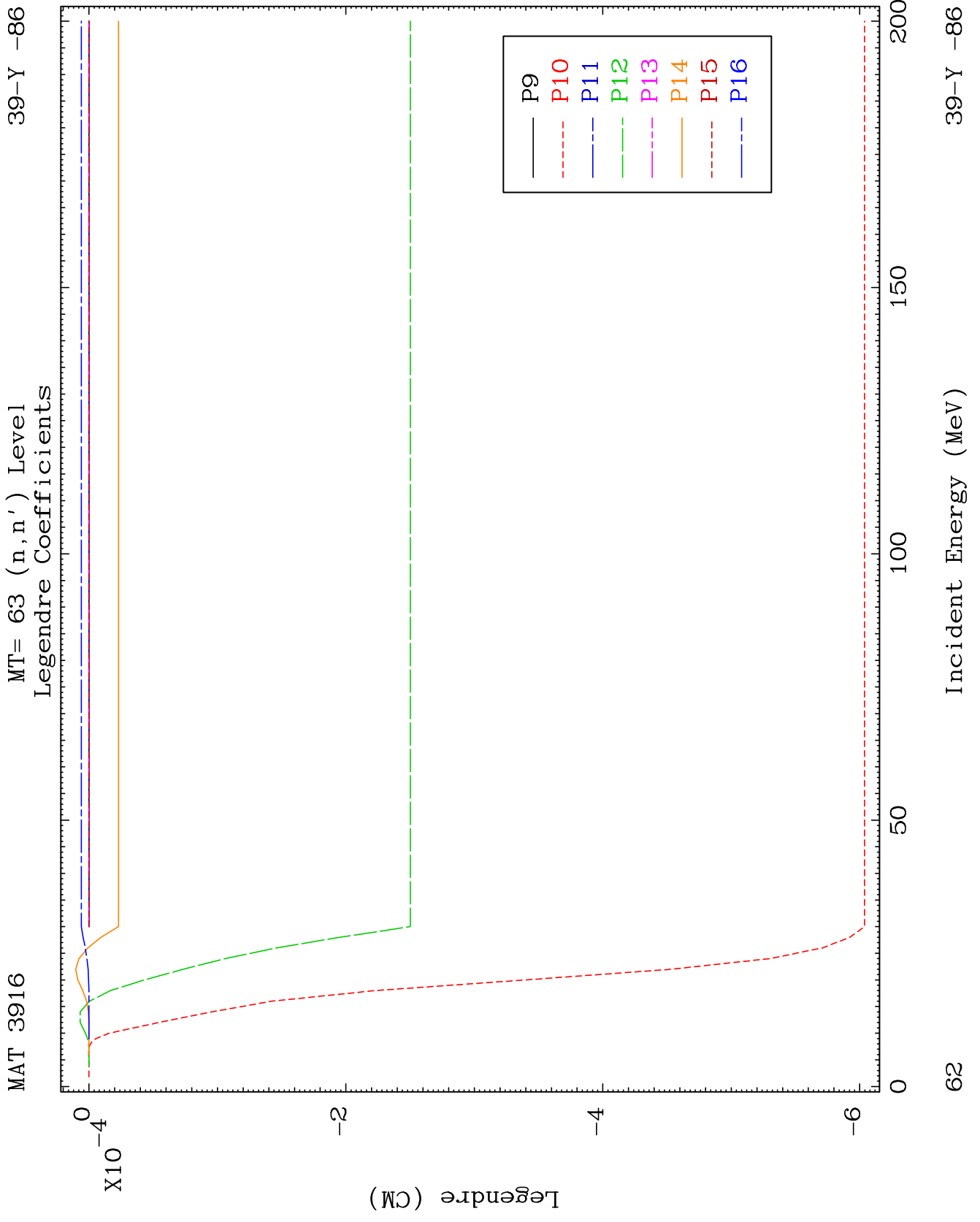
39-Y -86



61

Incident Energy (MeV)

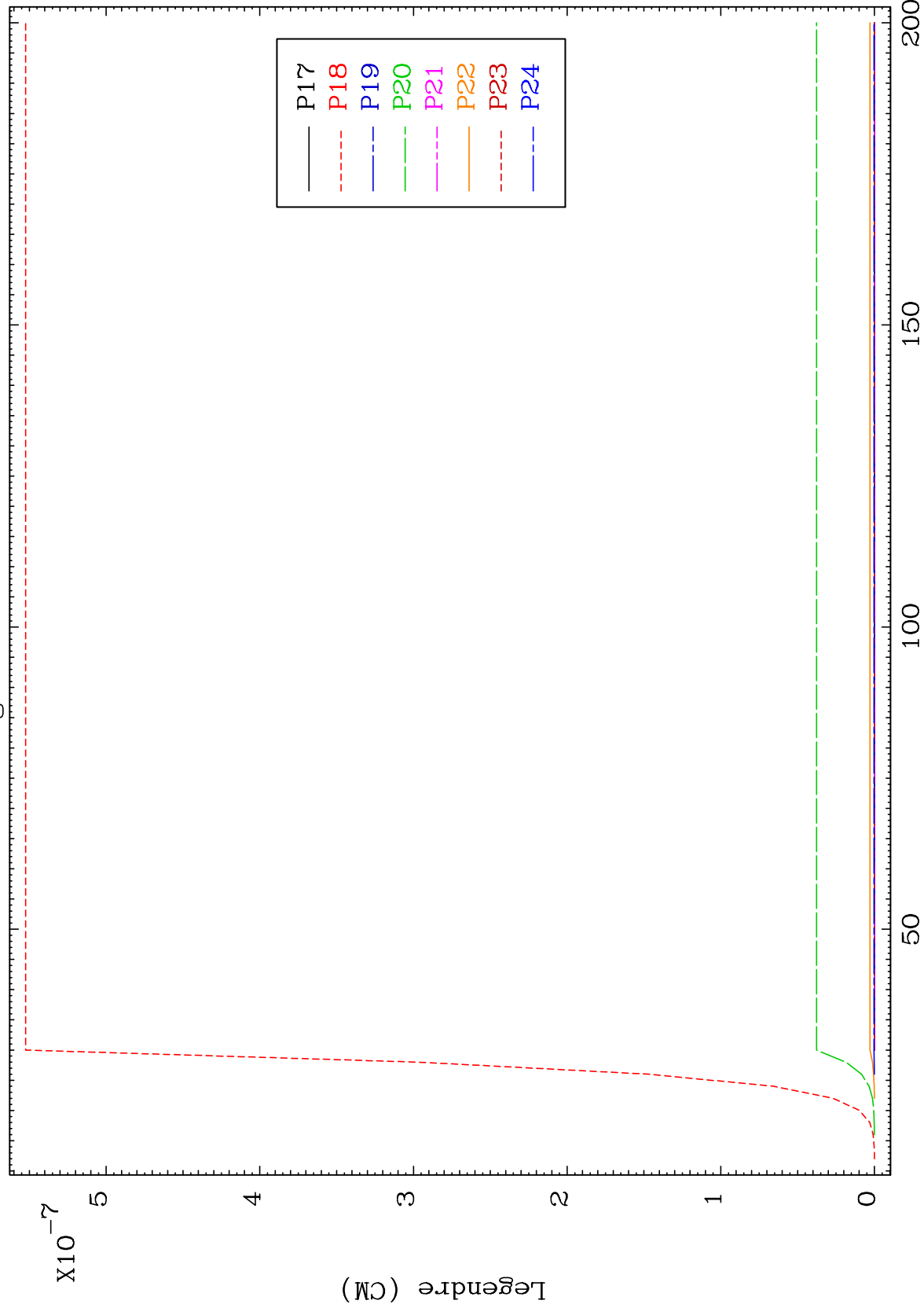
39-Y -86



MAT 3916

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

39-Y -86



39-Y -86

Incident Energy (MeV)

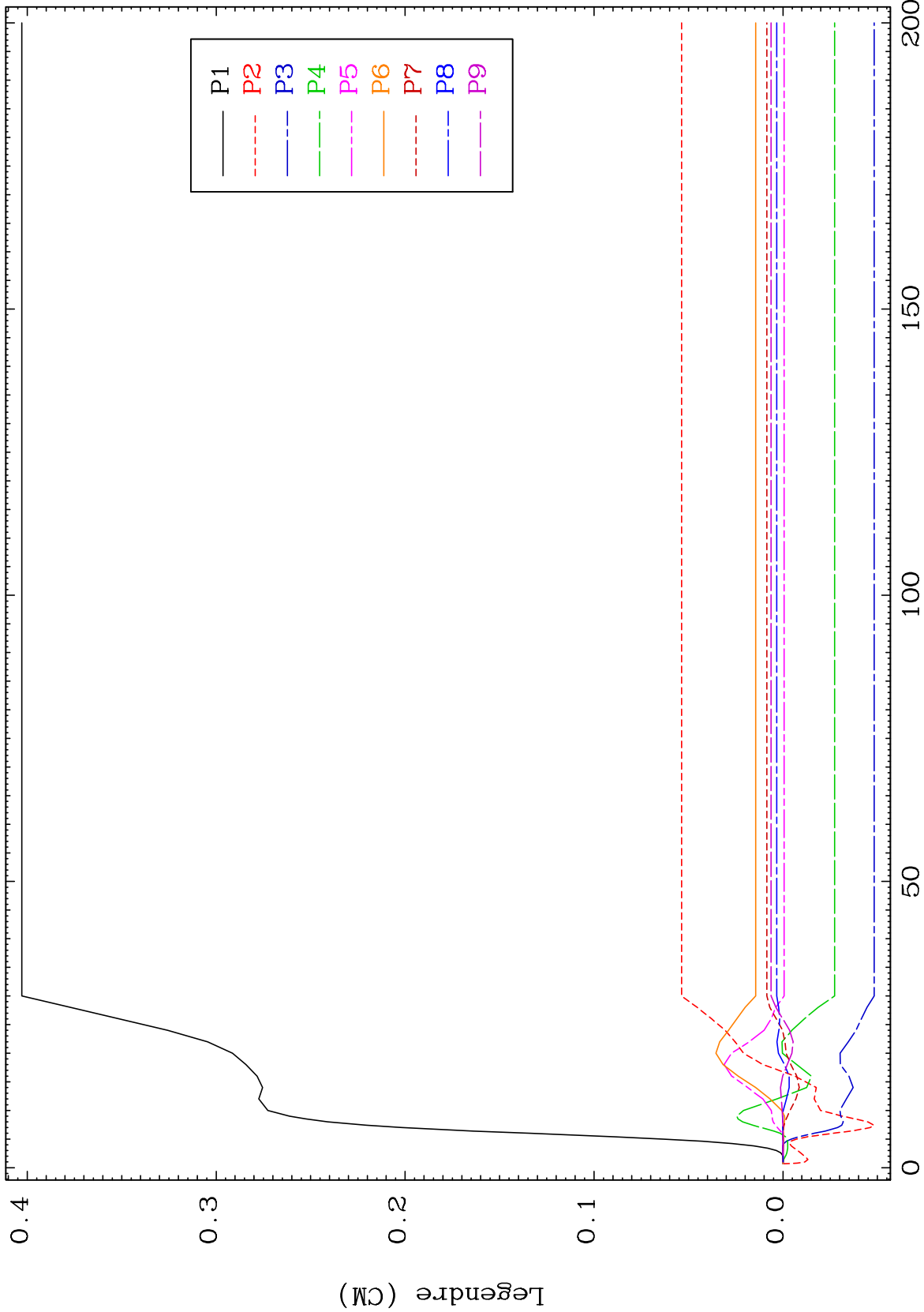
63



MAT 3916

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

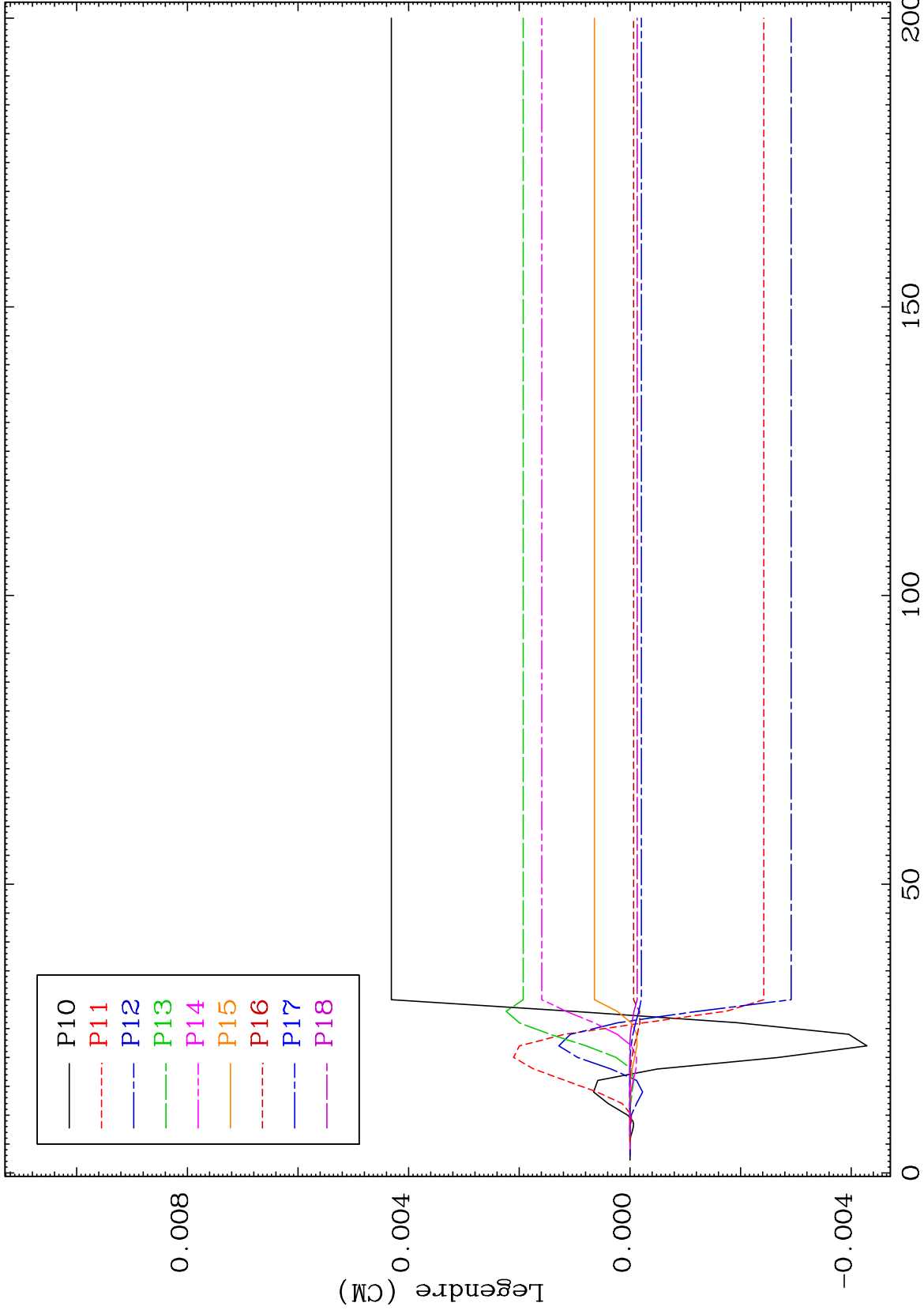
39-Y -86

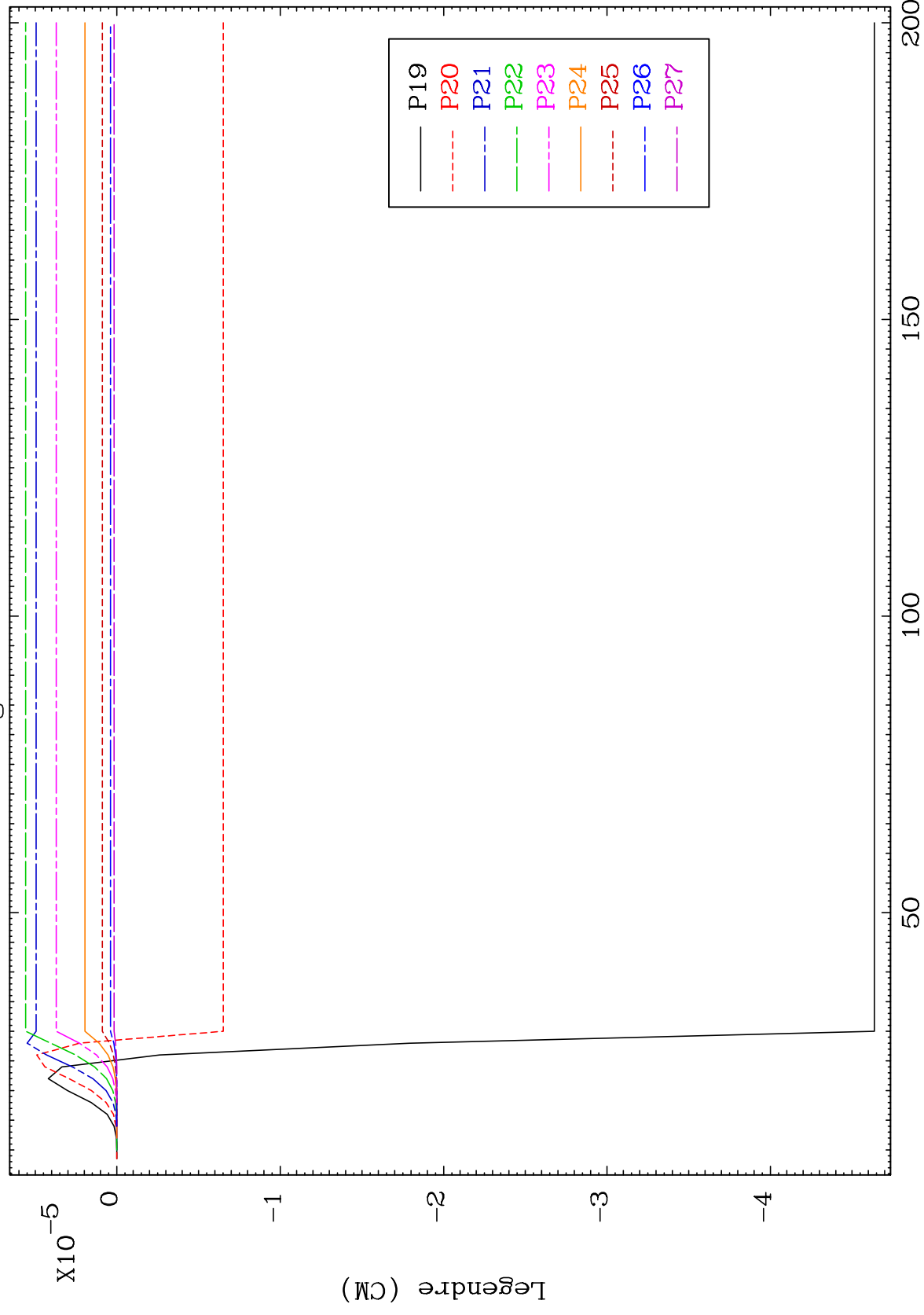


64

Incident Energy (MeV)

39-Y -86

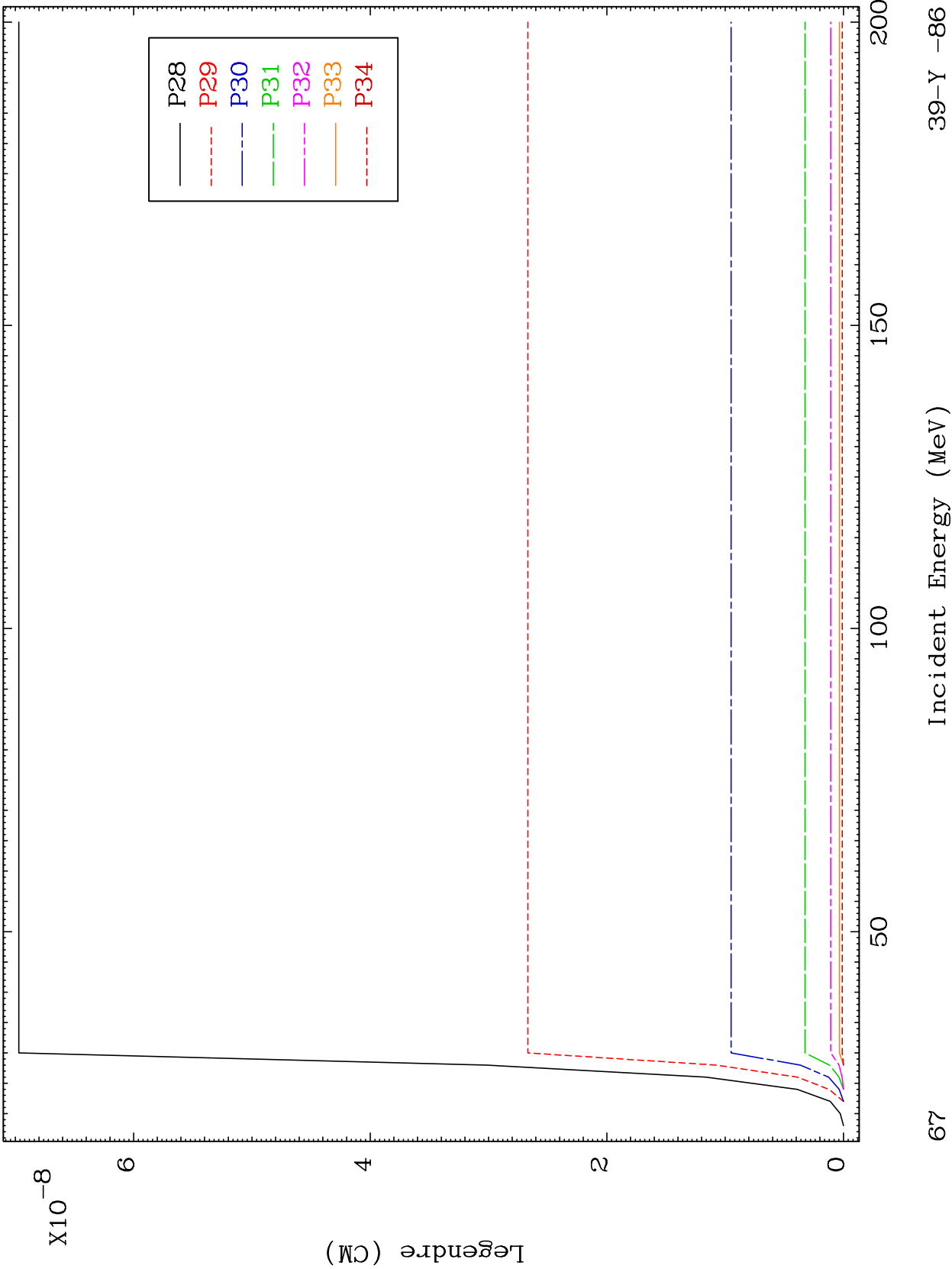




MAT 3916

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

39-Y -86



67

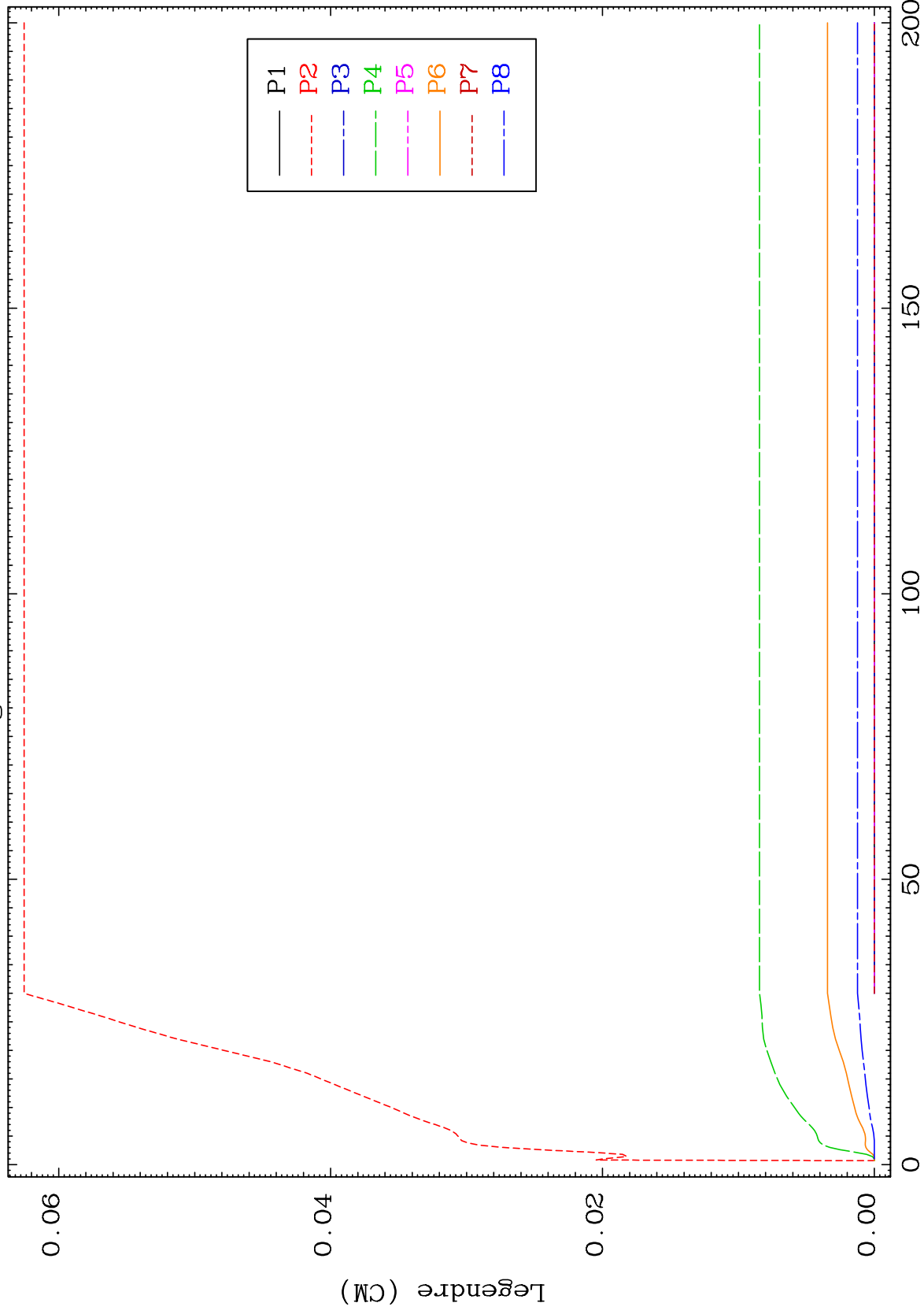
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



68

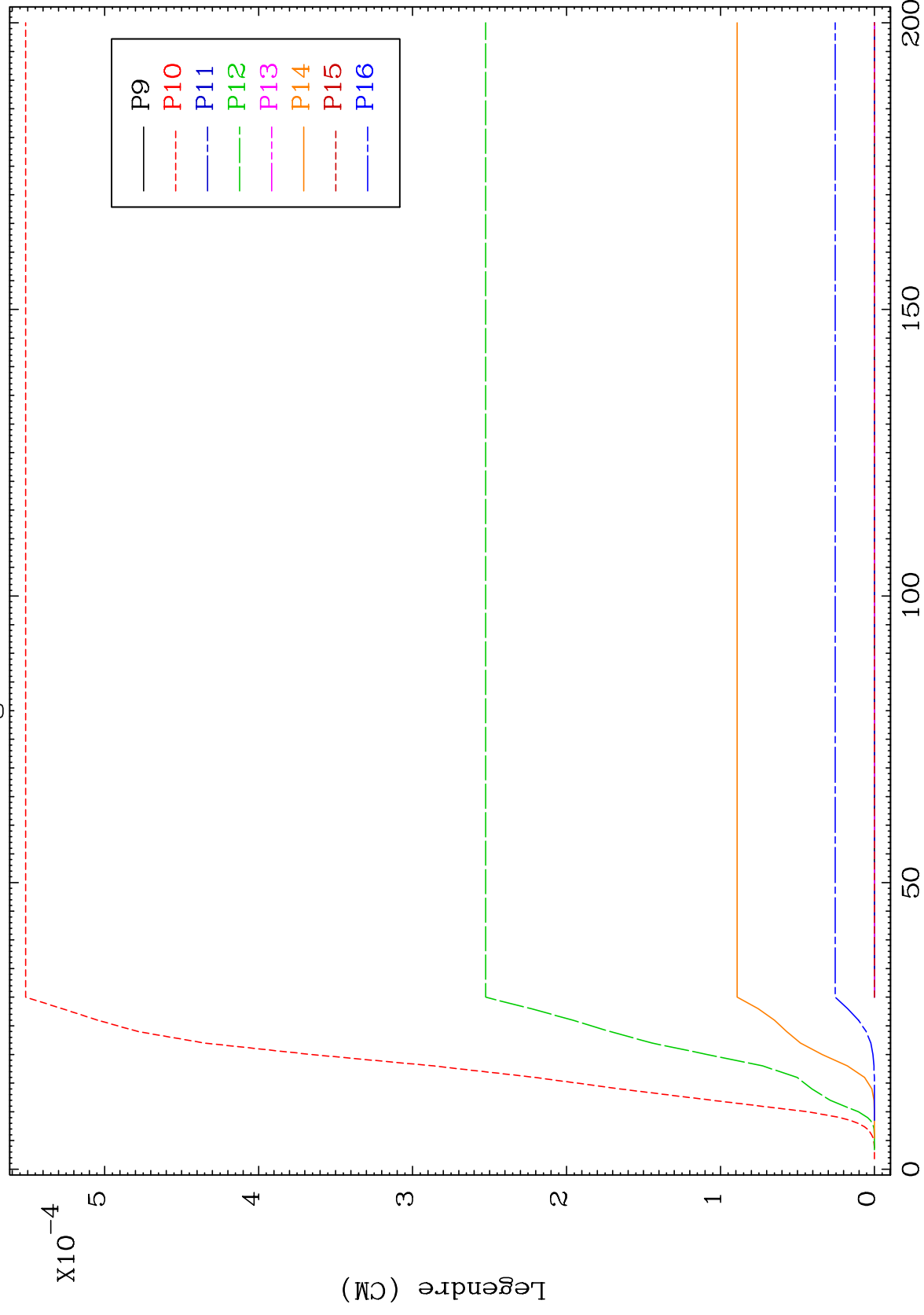
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



69

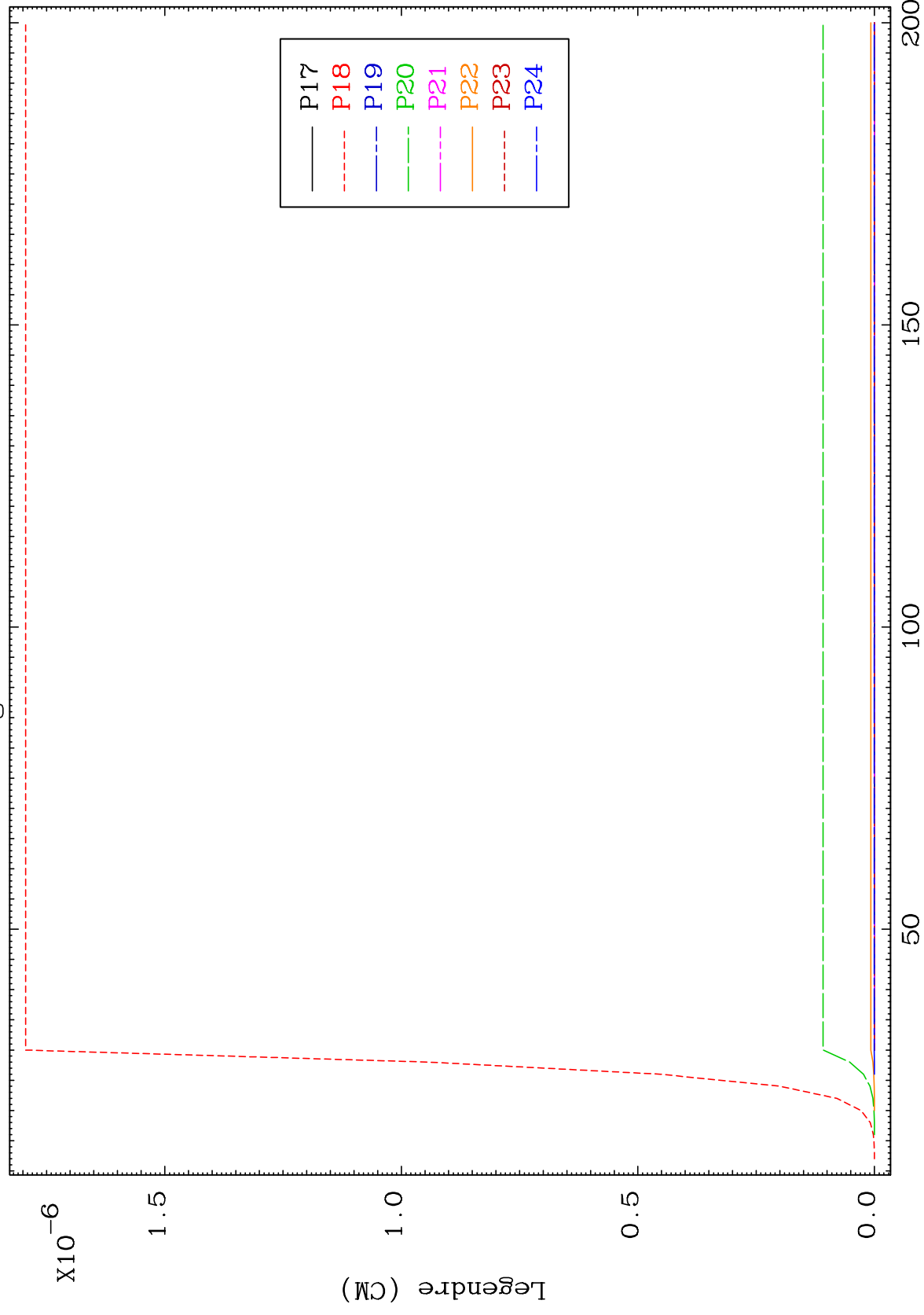
Incident Energy (MeV)

39-Y -86

MAT 3916

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

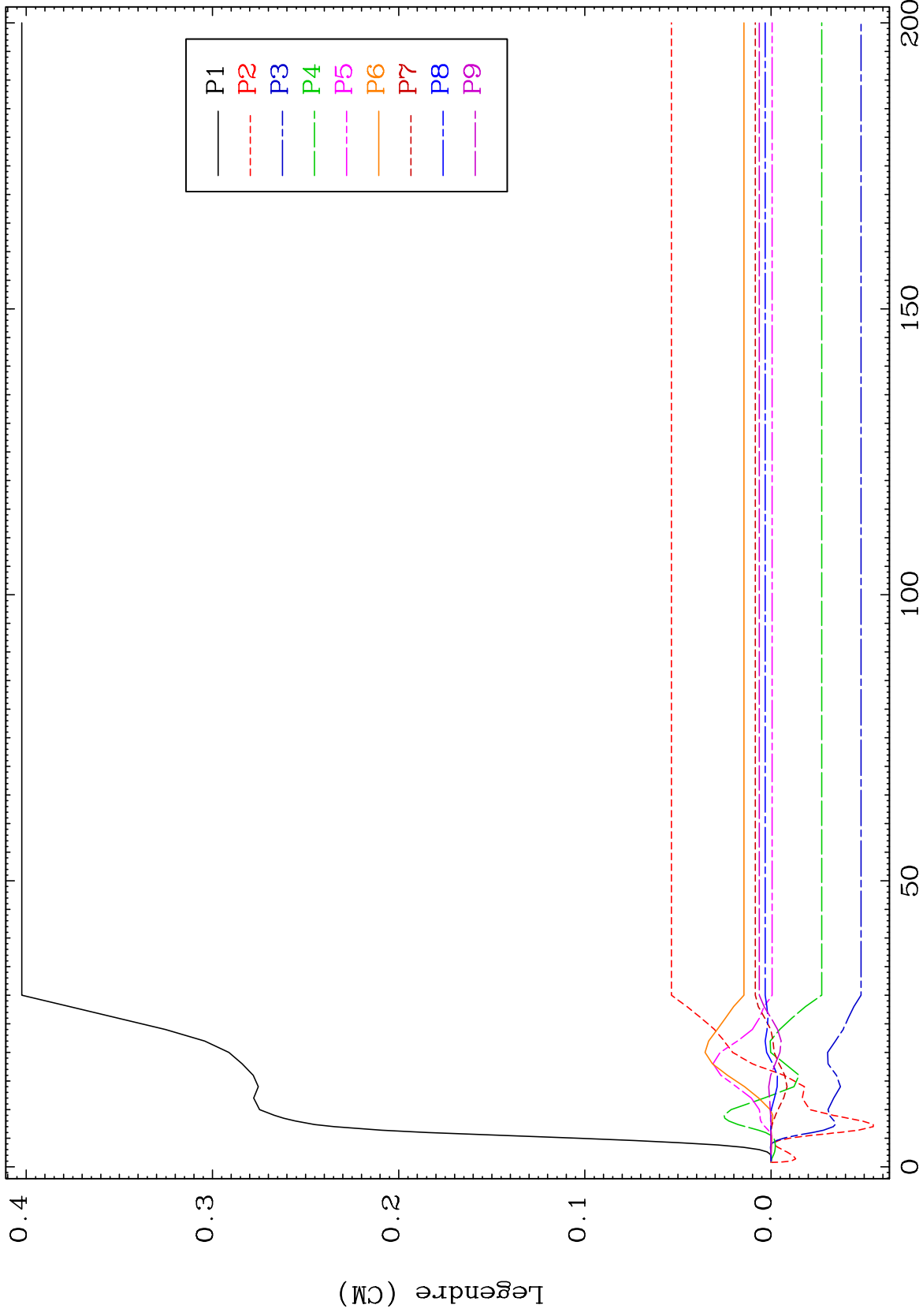
39-Y -86



70

Incident Energy (MeV)

39-Y -86

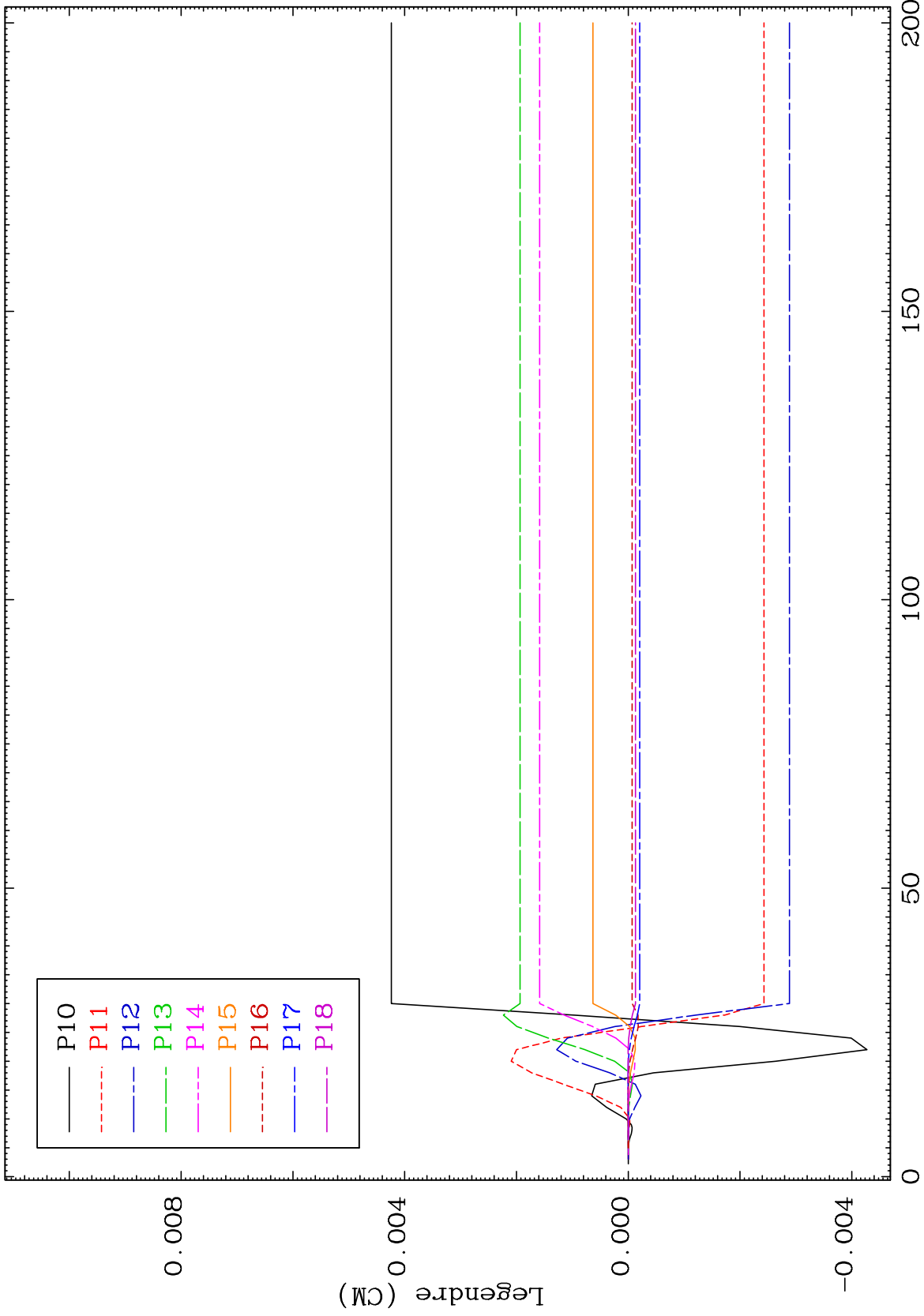




MAT 3916

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

39-Y -86



72

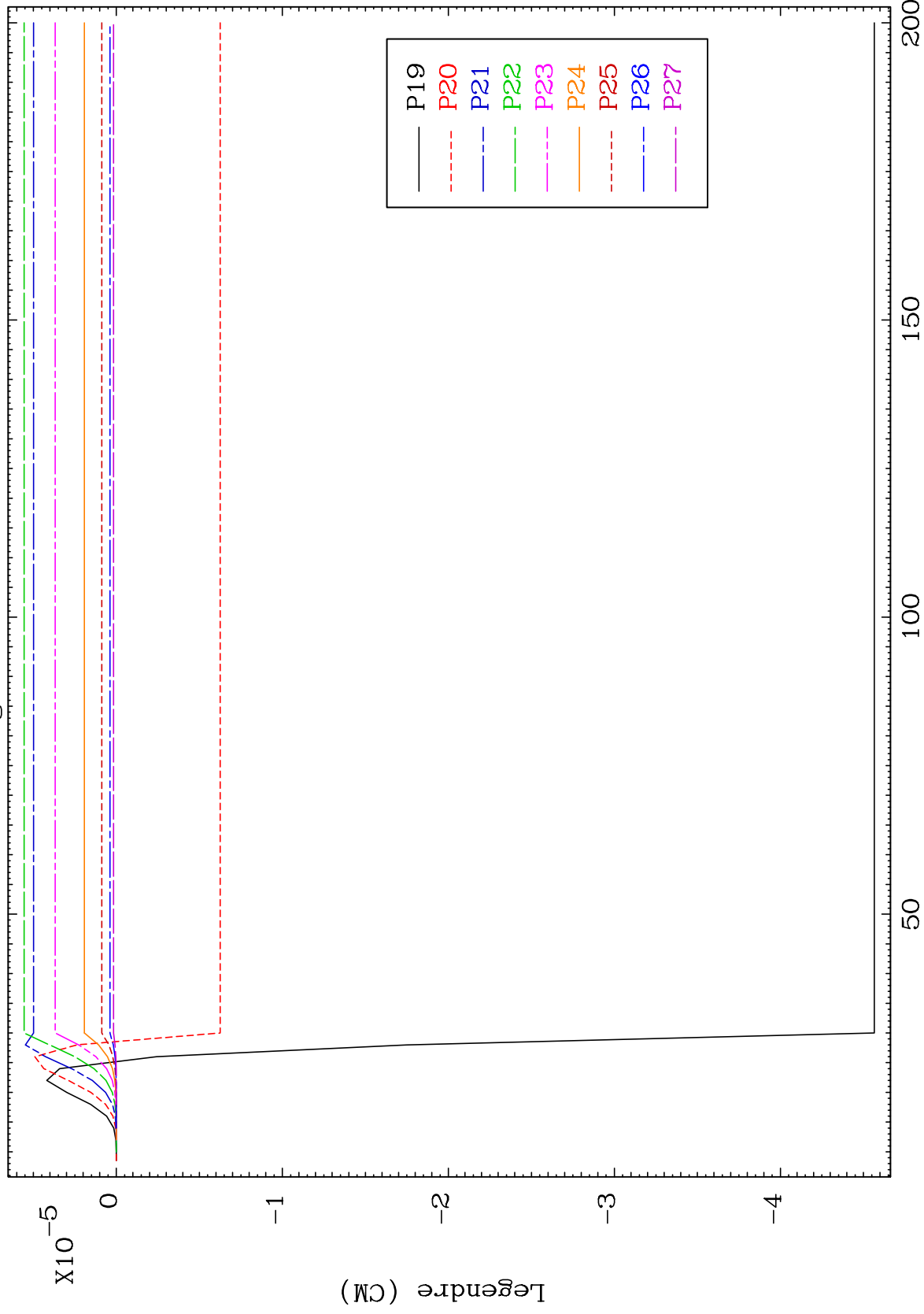
Incident Energy (MeV)

39-Y -86

MAT 3916

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

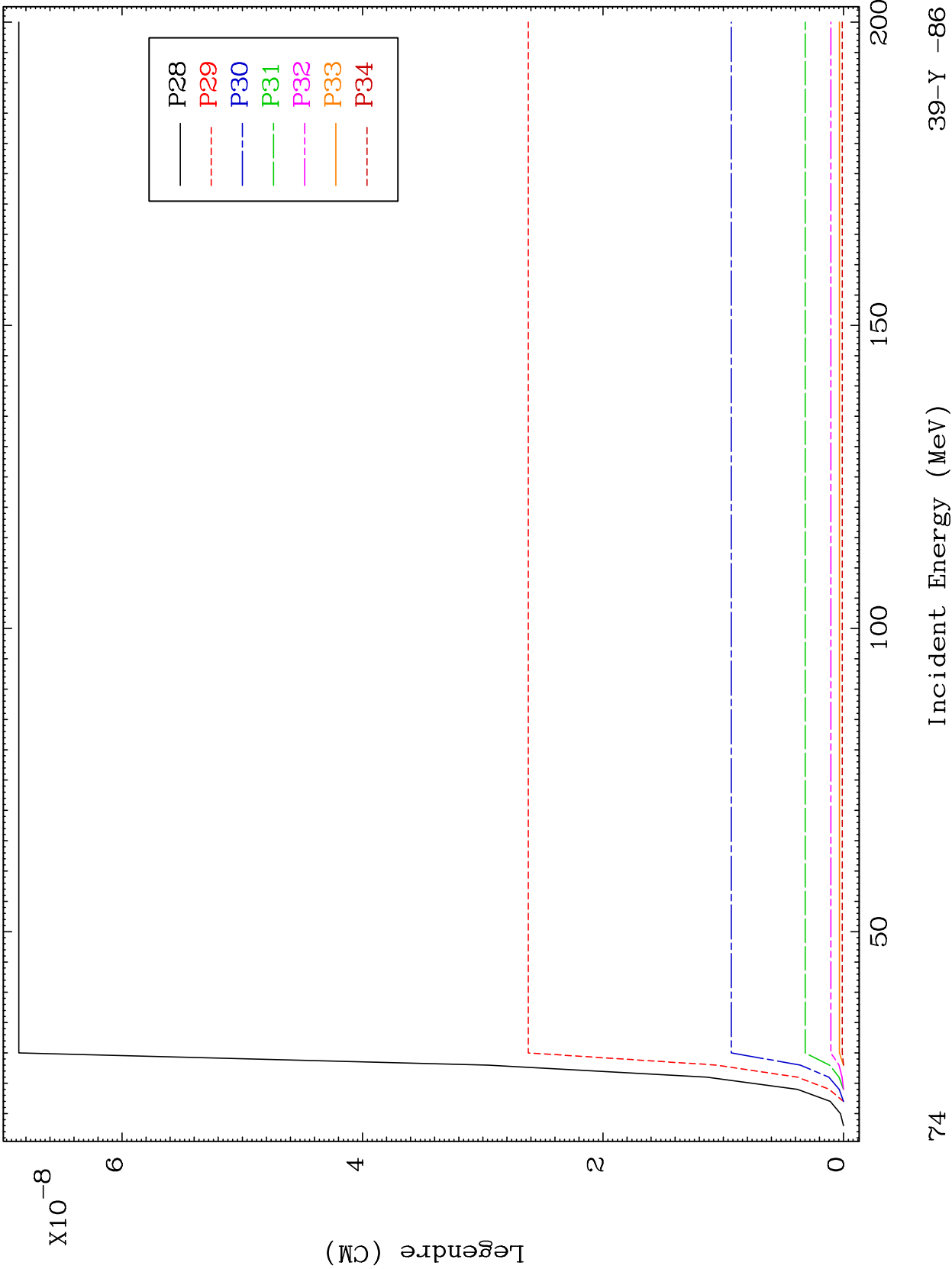
39-Y -86



73

Incident Energy (MeV)

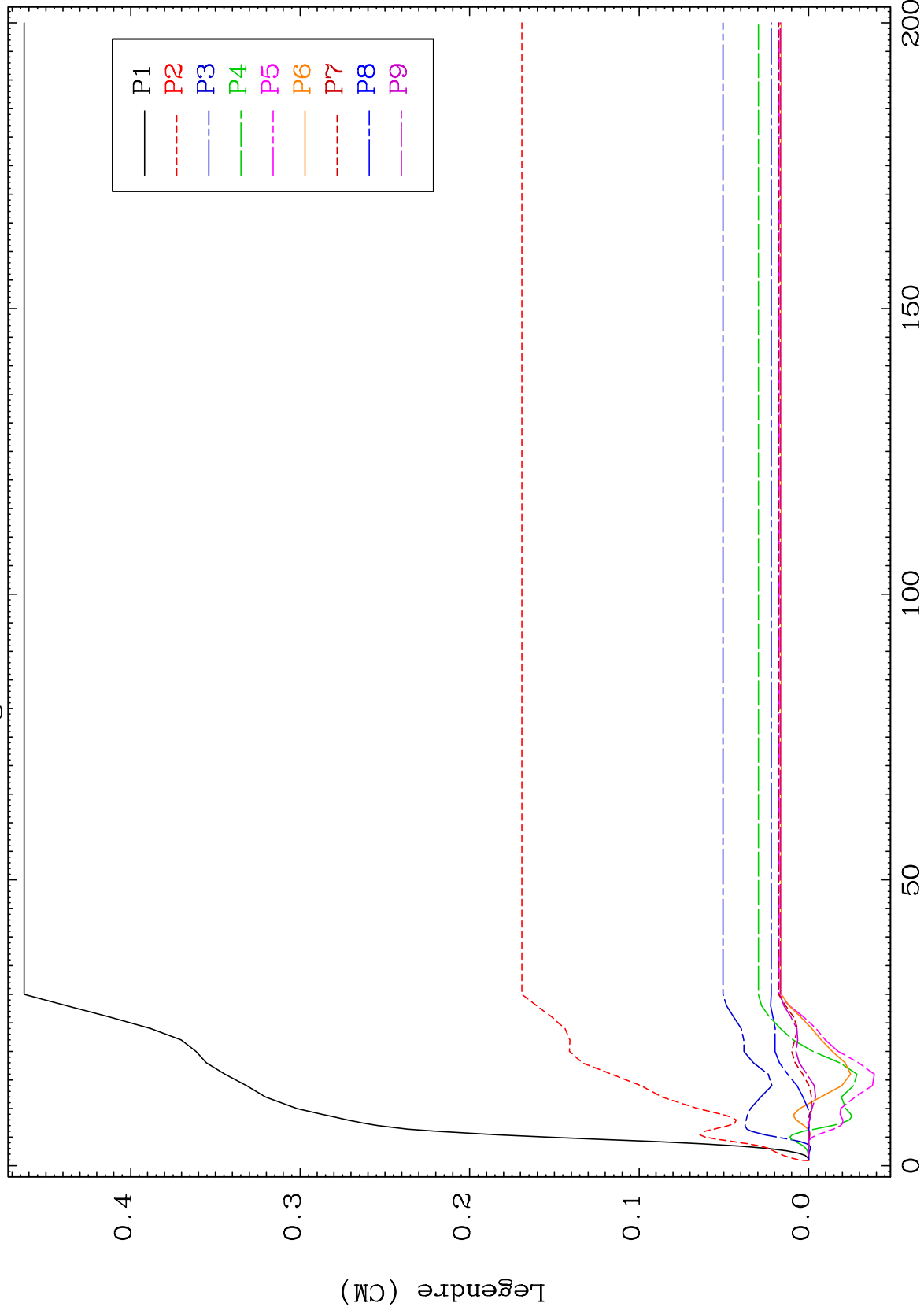
39-Y -86



MAT 3916

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

39-Y -86



75

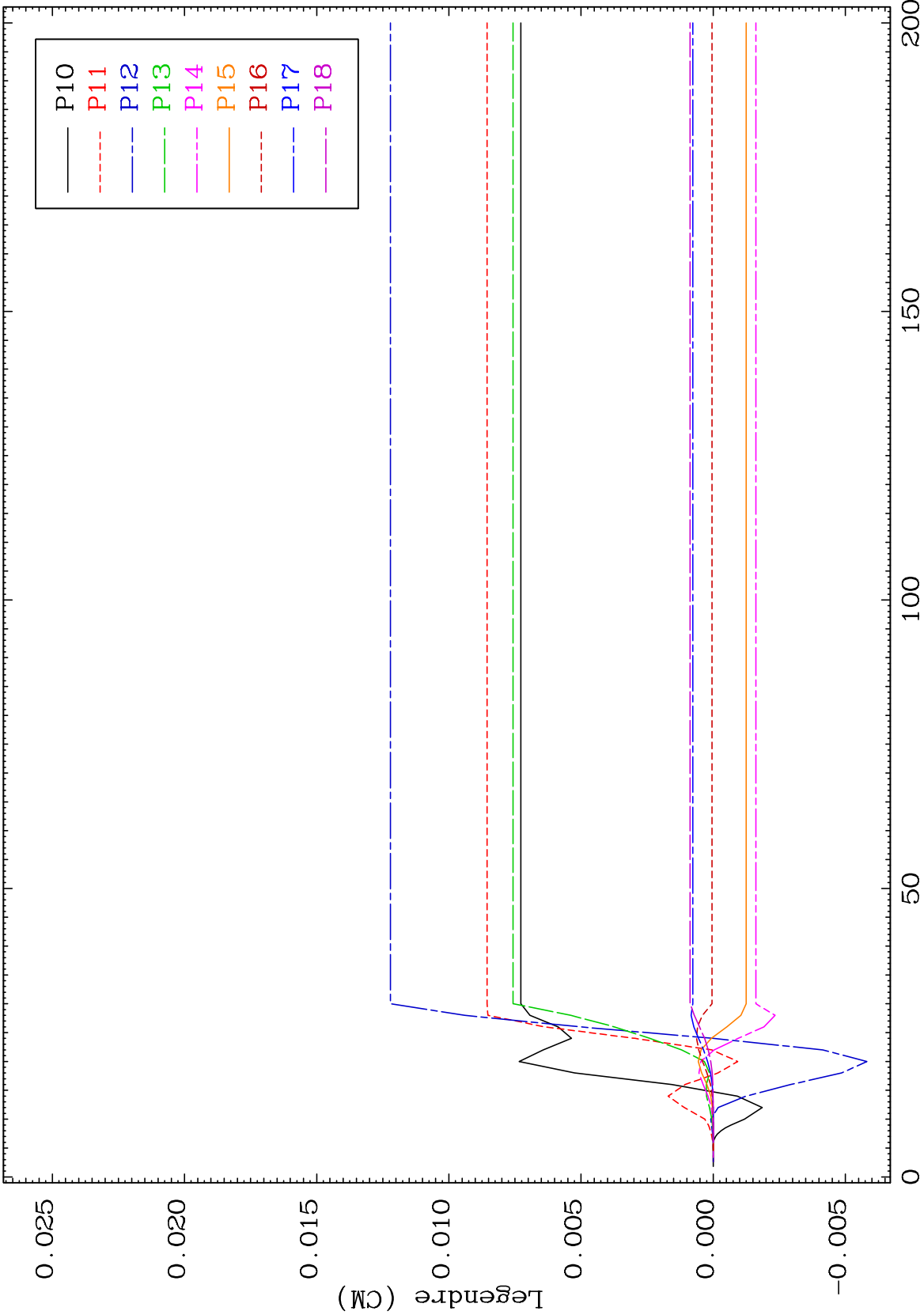
Incident Energy (MeV)

39-Y -86

MAT 3916

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

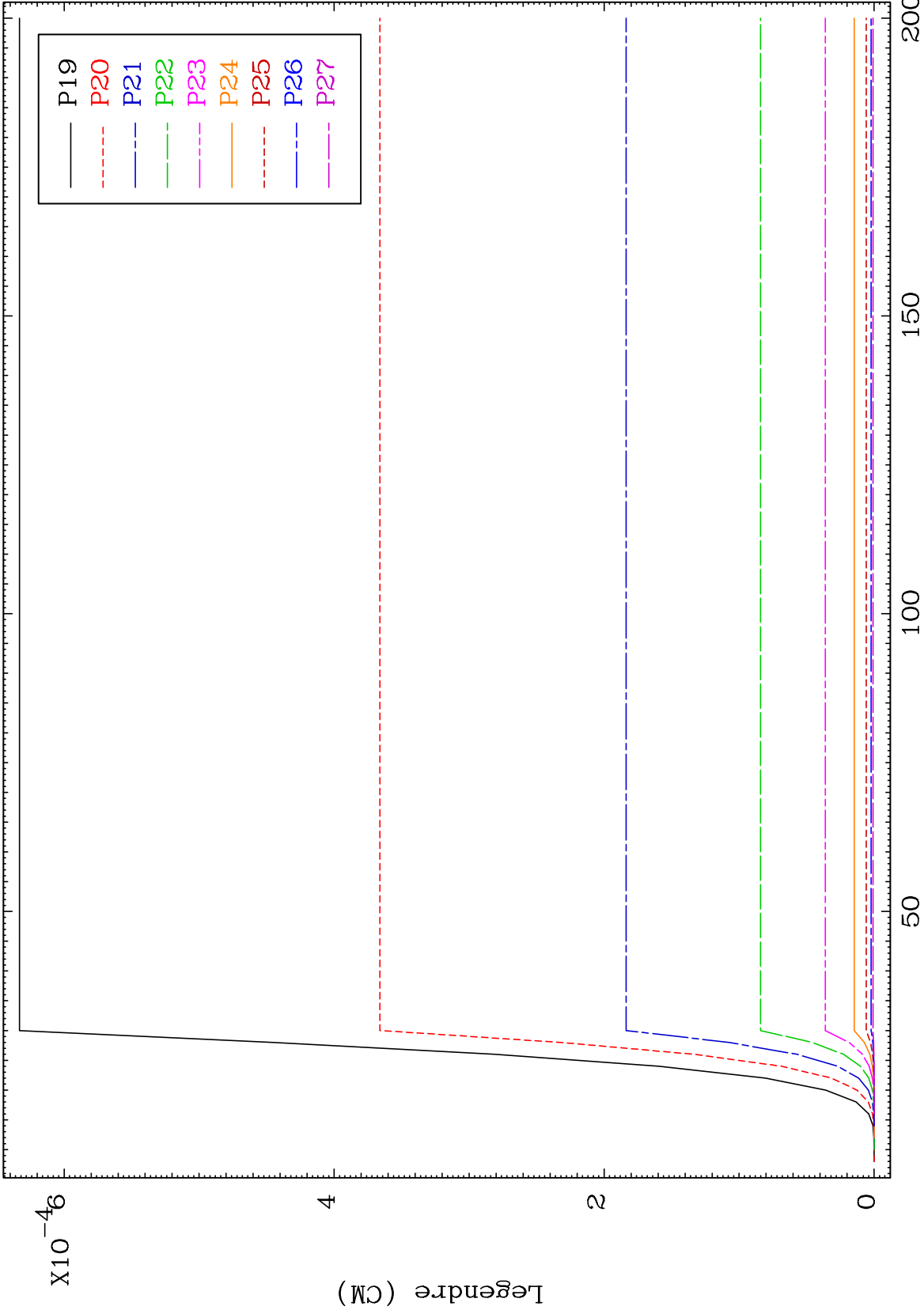
39-Y -86



76

Incident Energy (MeV)

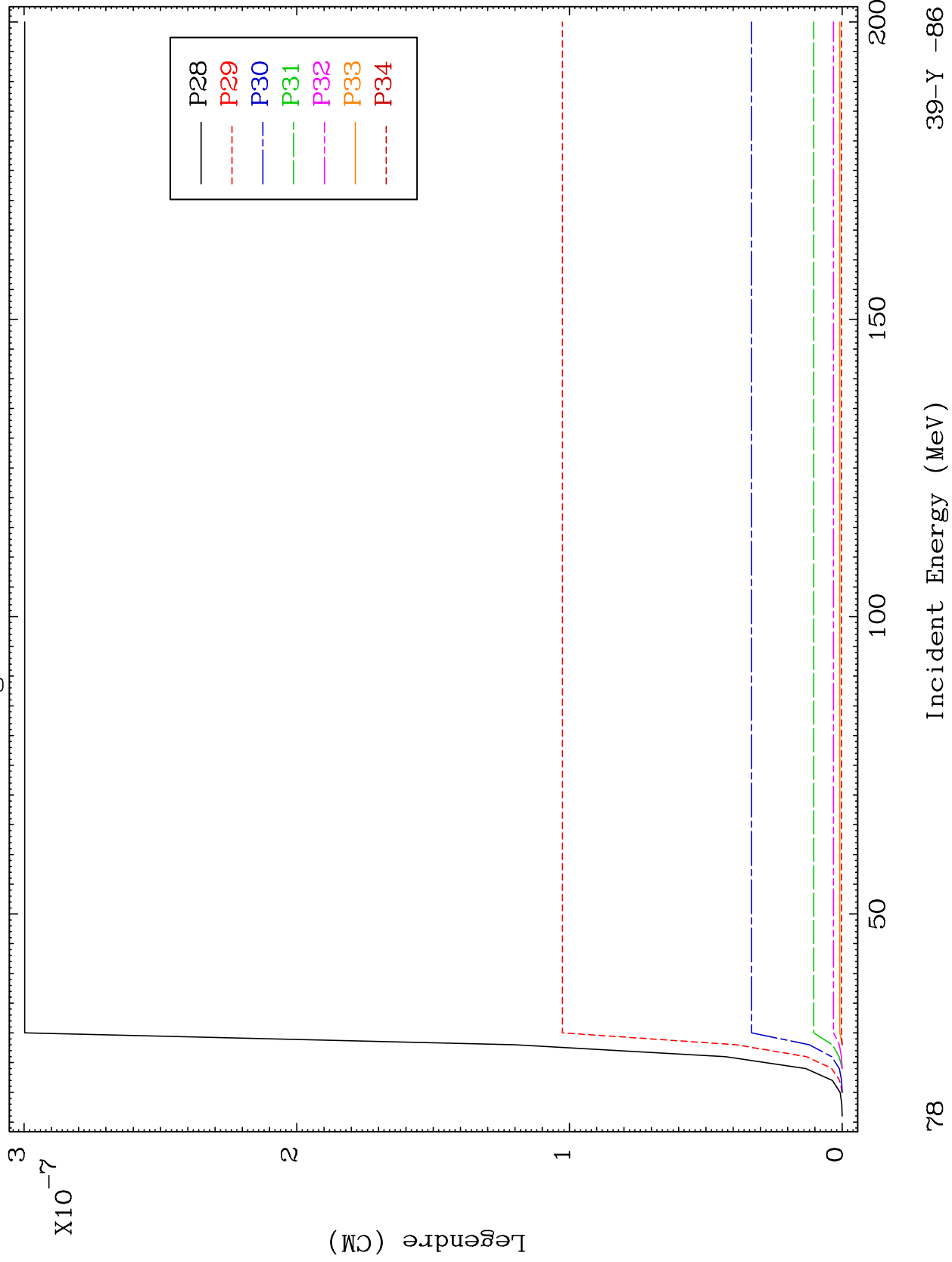
39-Y -86



MAT 3916

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

39-Y -86



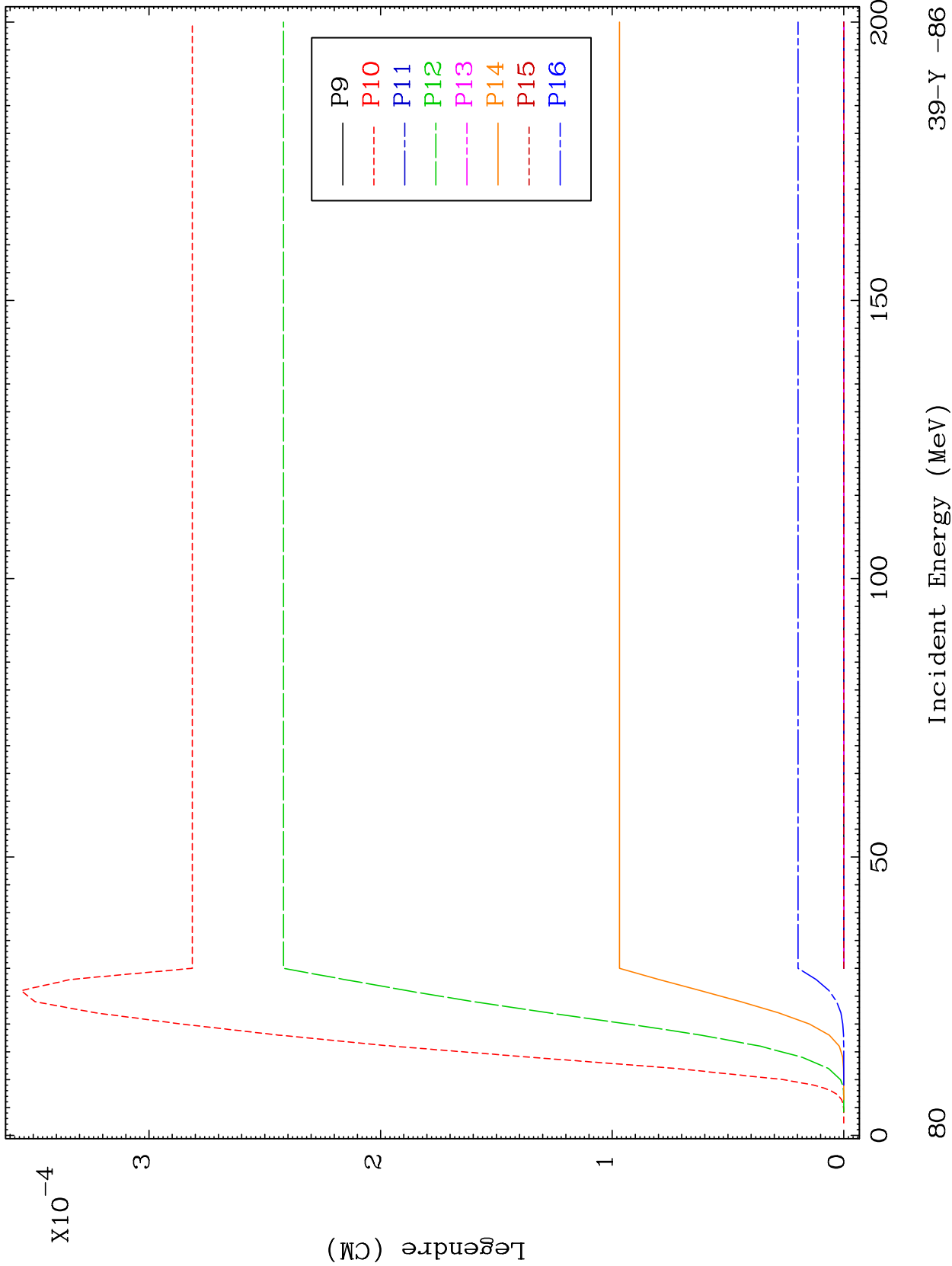




MAT 3916

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

39-Y -86

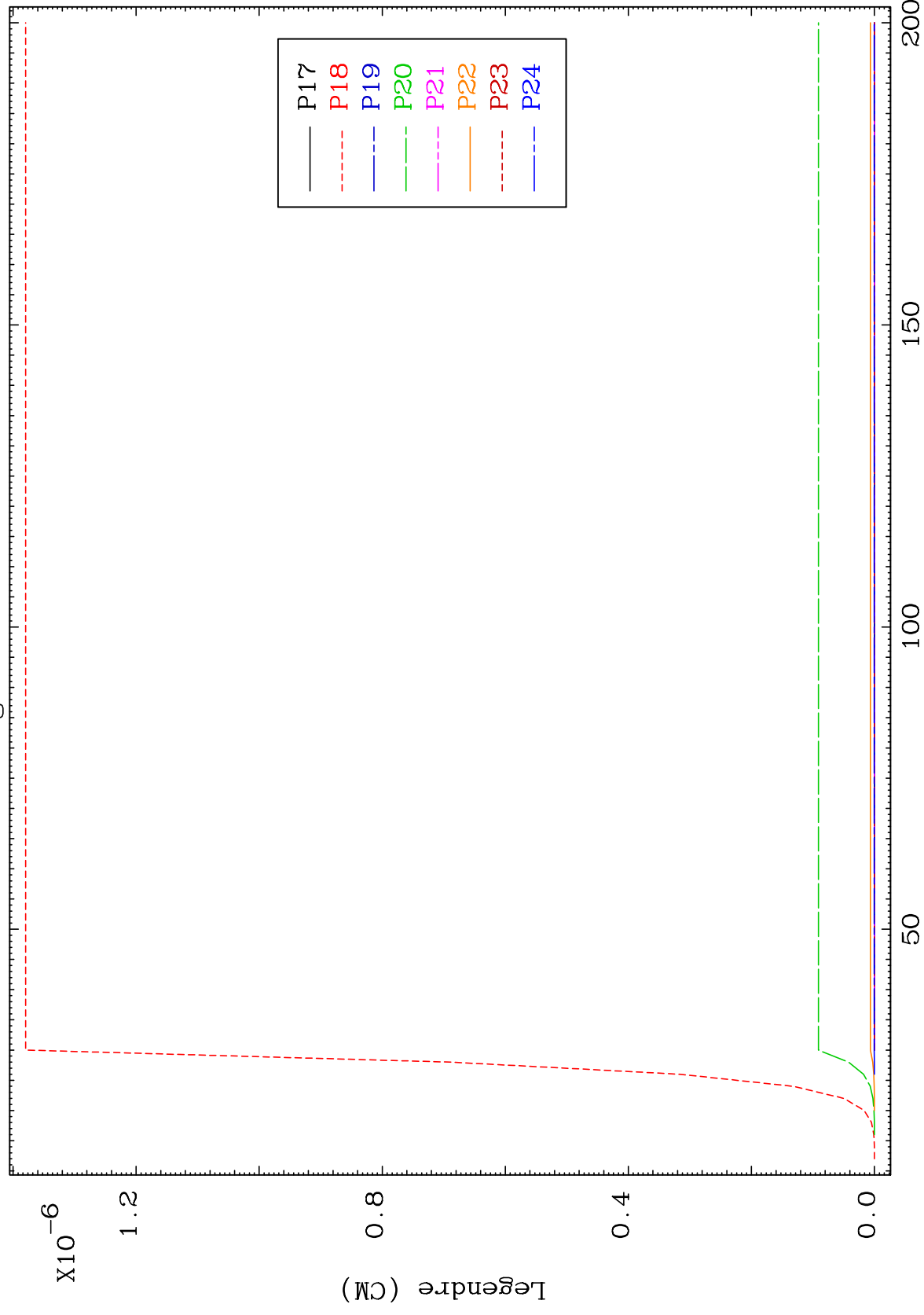


39-Y -86

MAT 3916

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

39-Y -86



39-Y -86

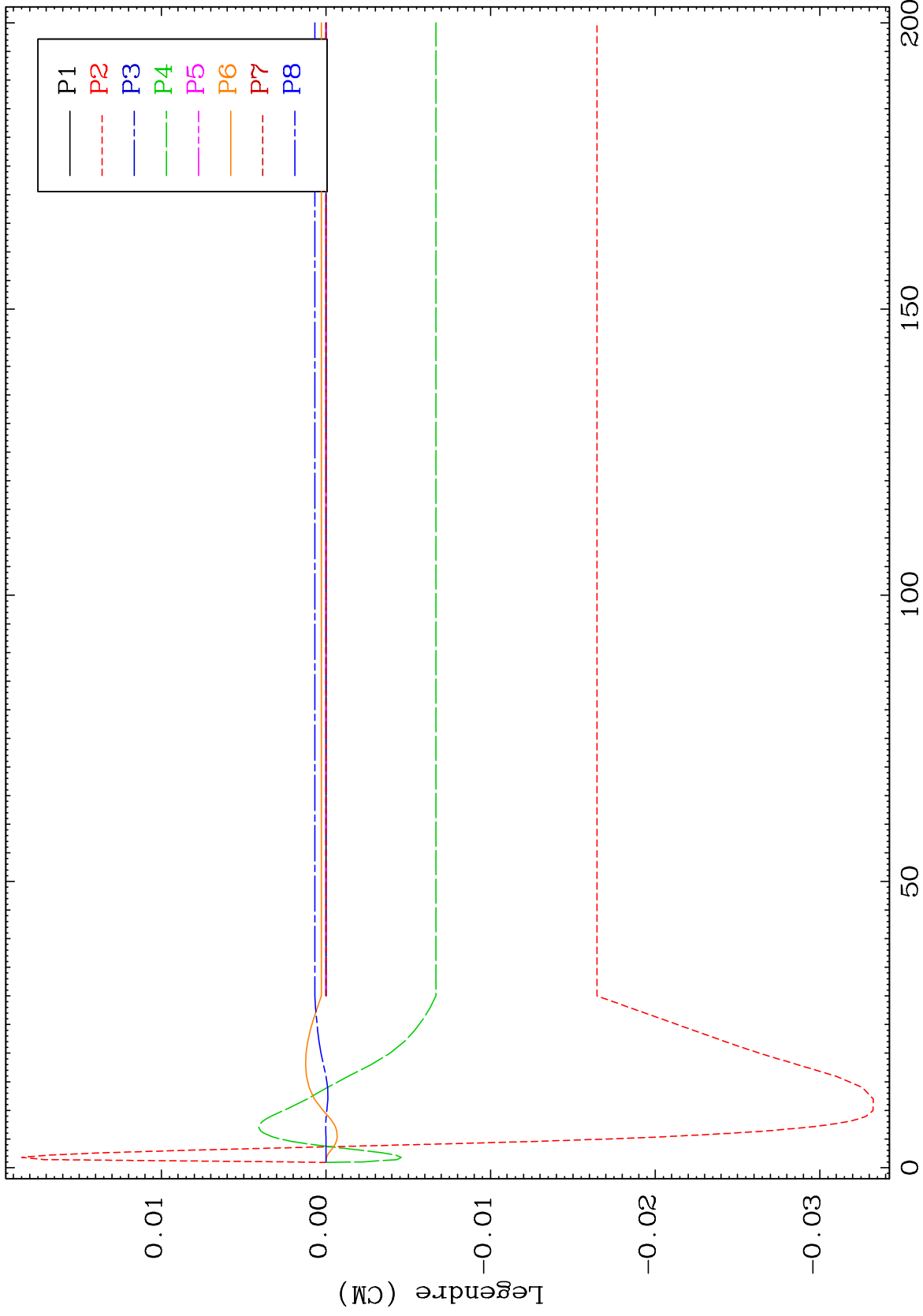
Incident Energy (MeV)

81

MAT 3916

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

39-Y -86



82

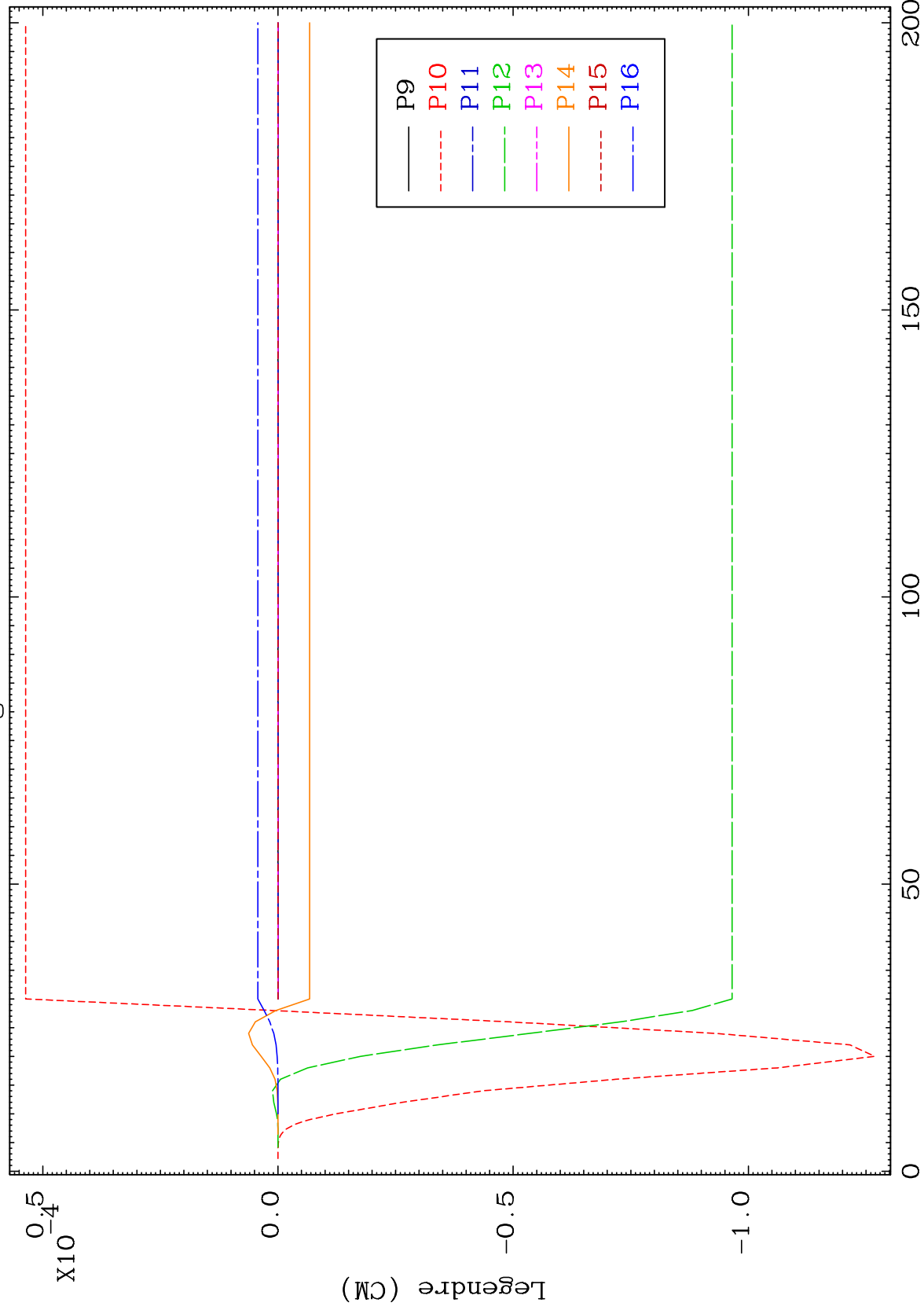
Incident Energy (MeV)

39-Y -86

MAT 3916

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

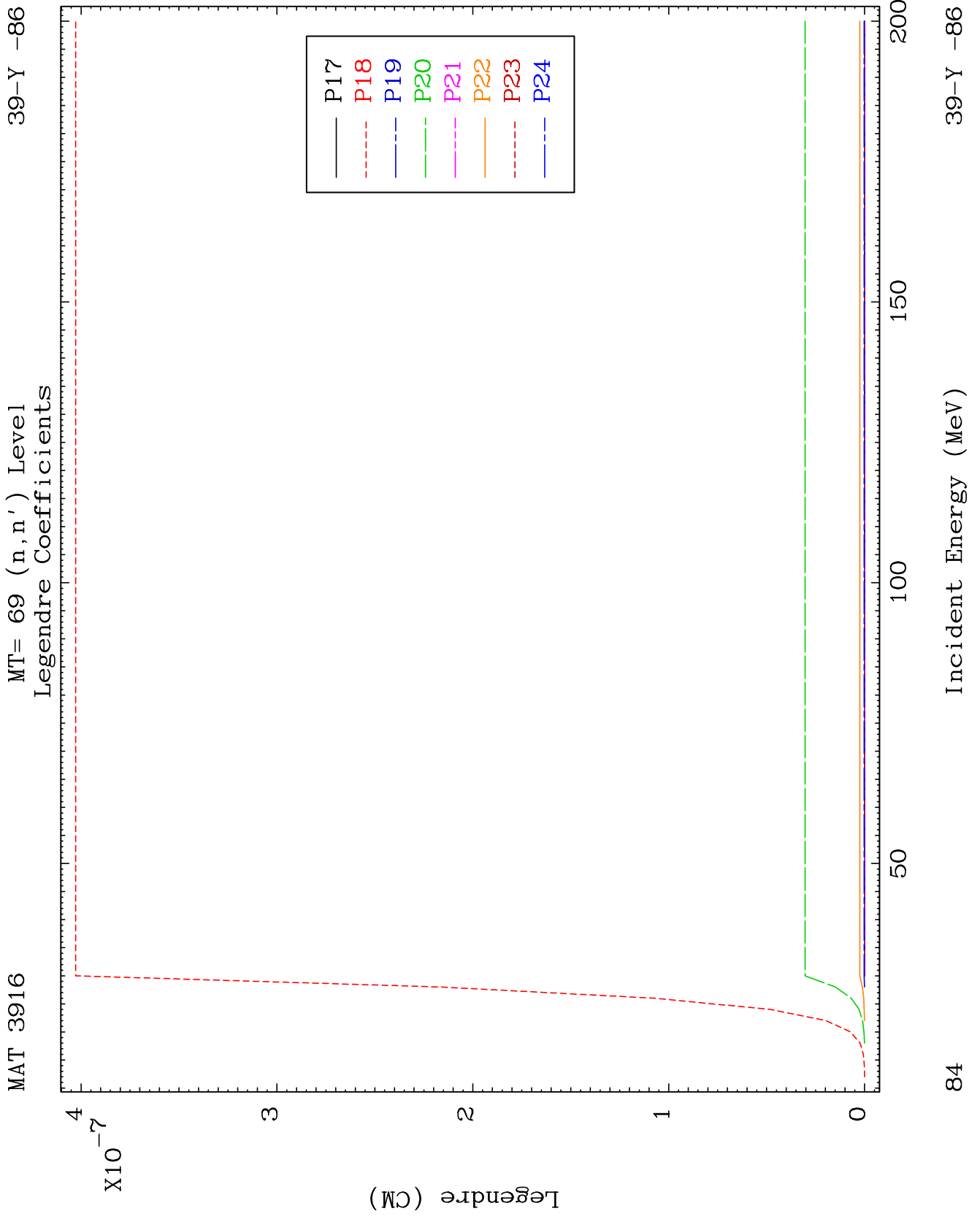
39-Y -86



83

Incident Energy (MeV)

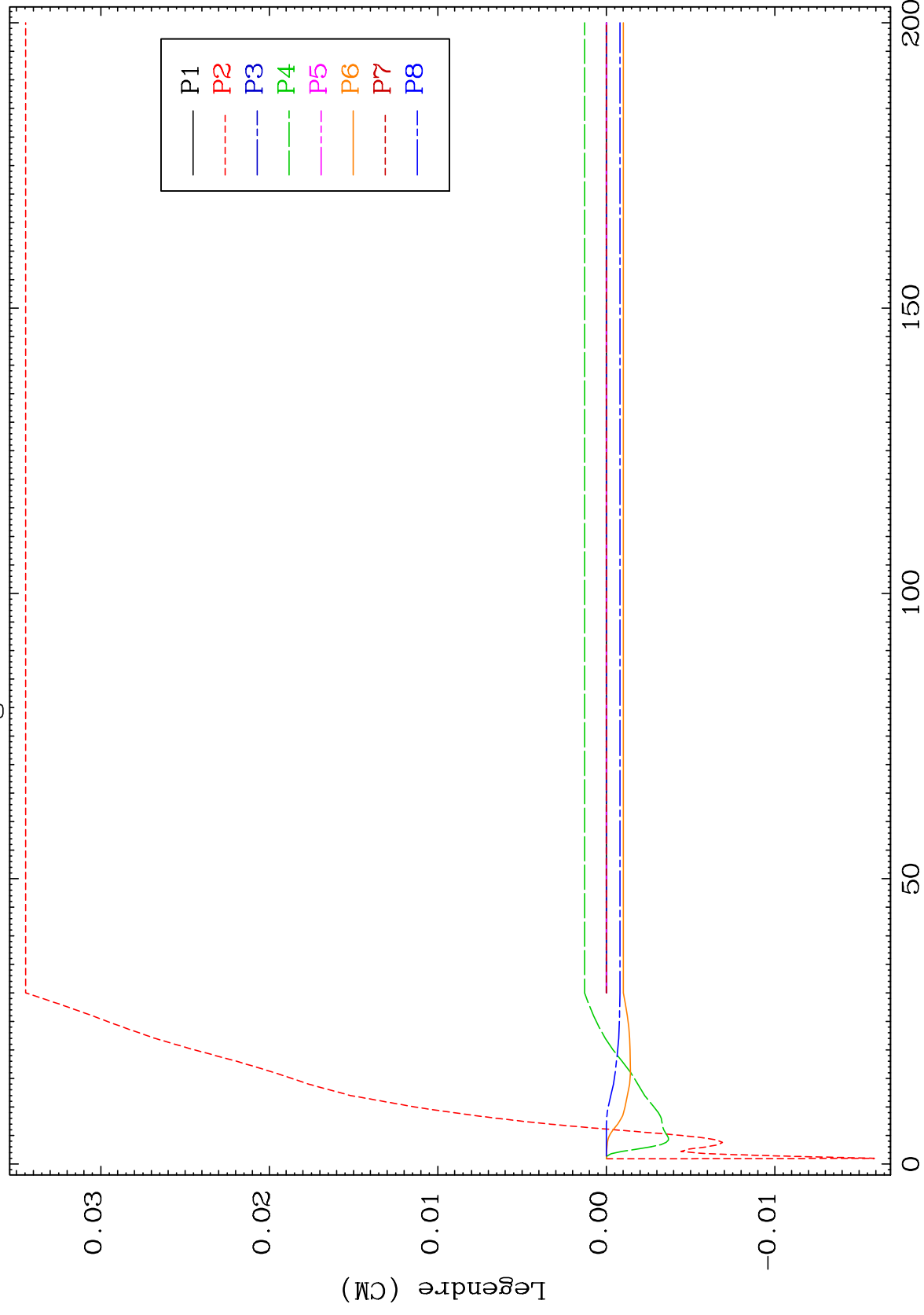
39-Y -86



MAT 3916

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

39-Y -86

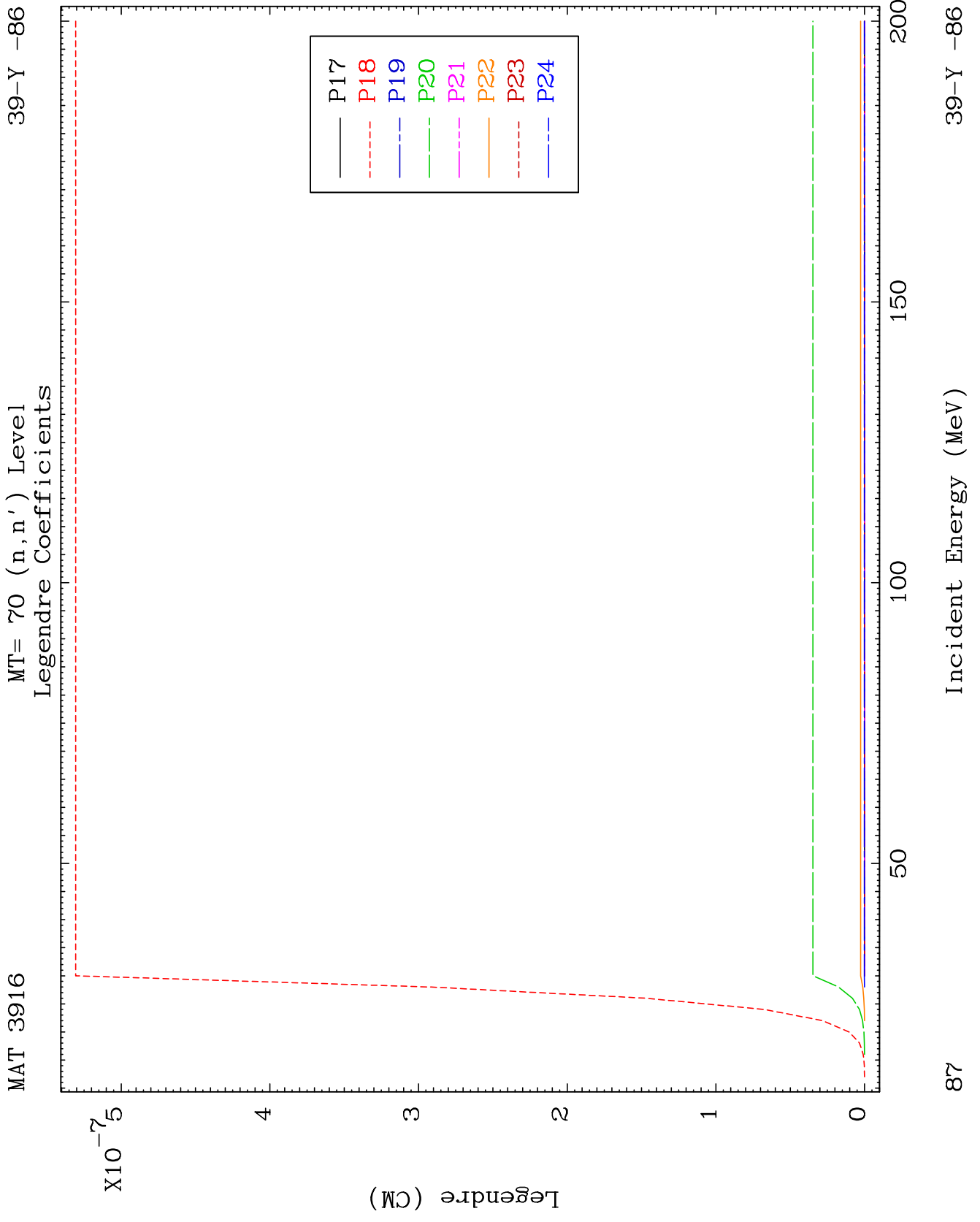


85

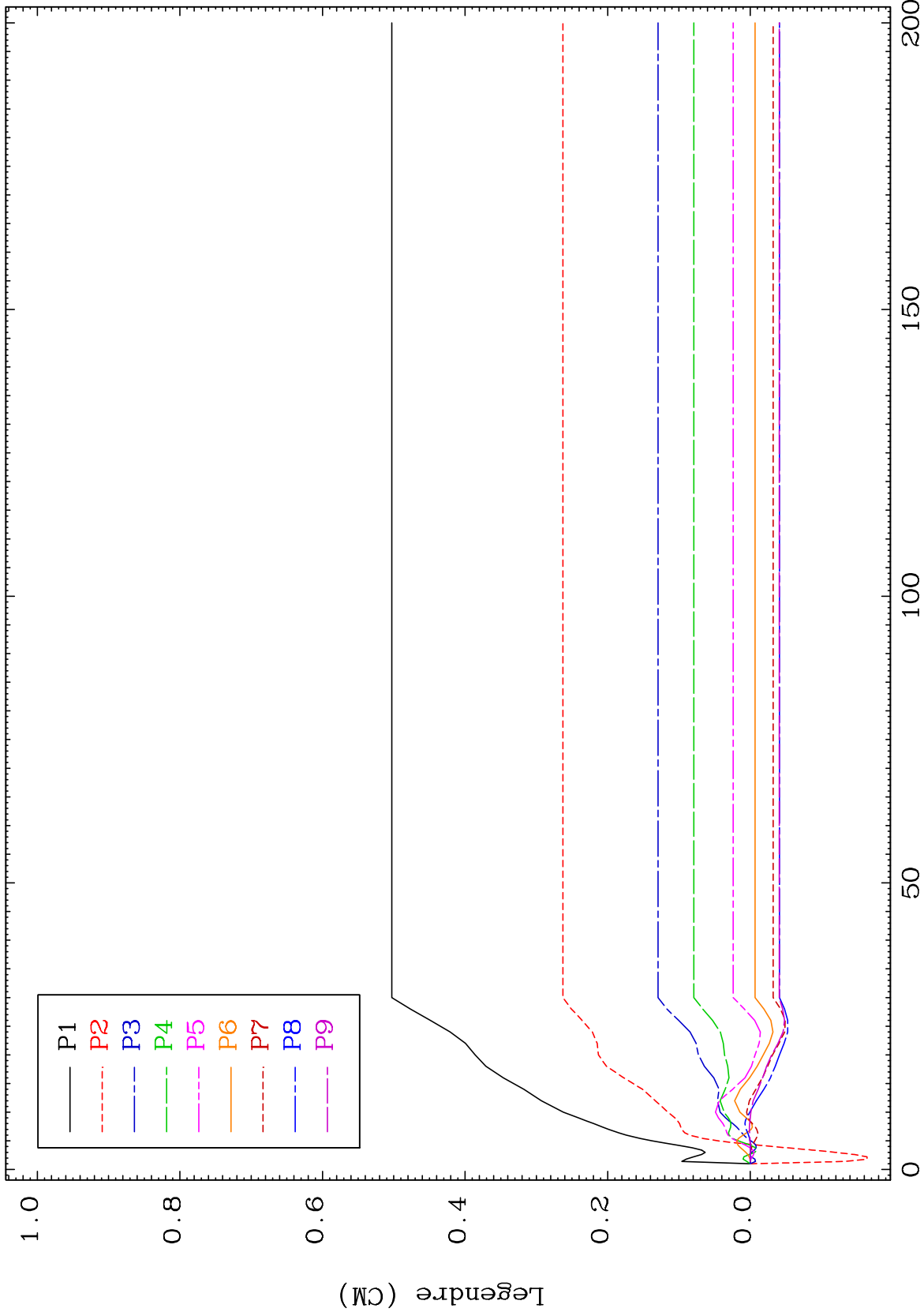
Incident Energy (MeV)

39-Y -86





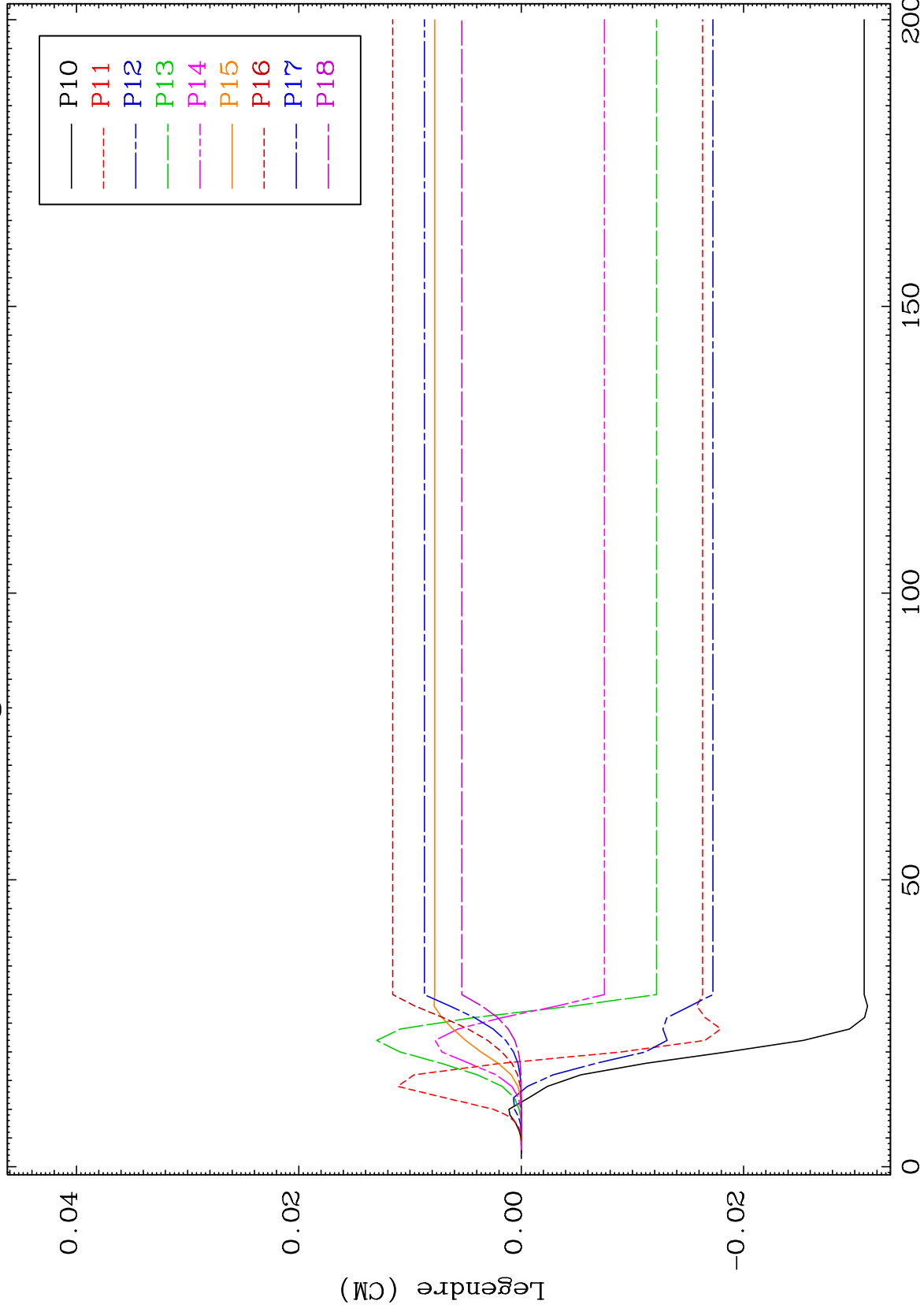




MAT 3916

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

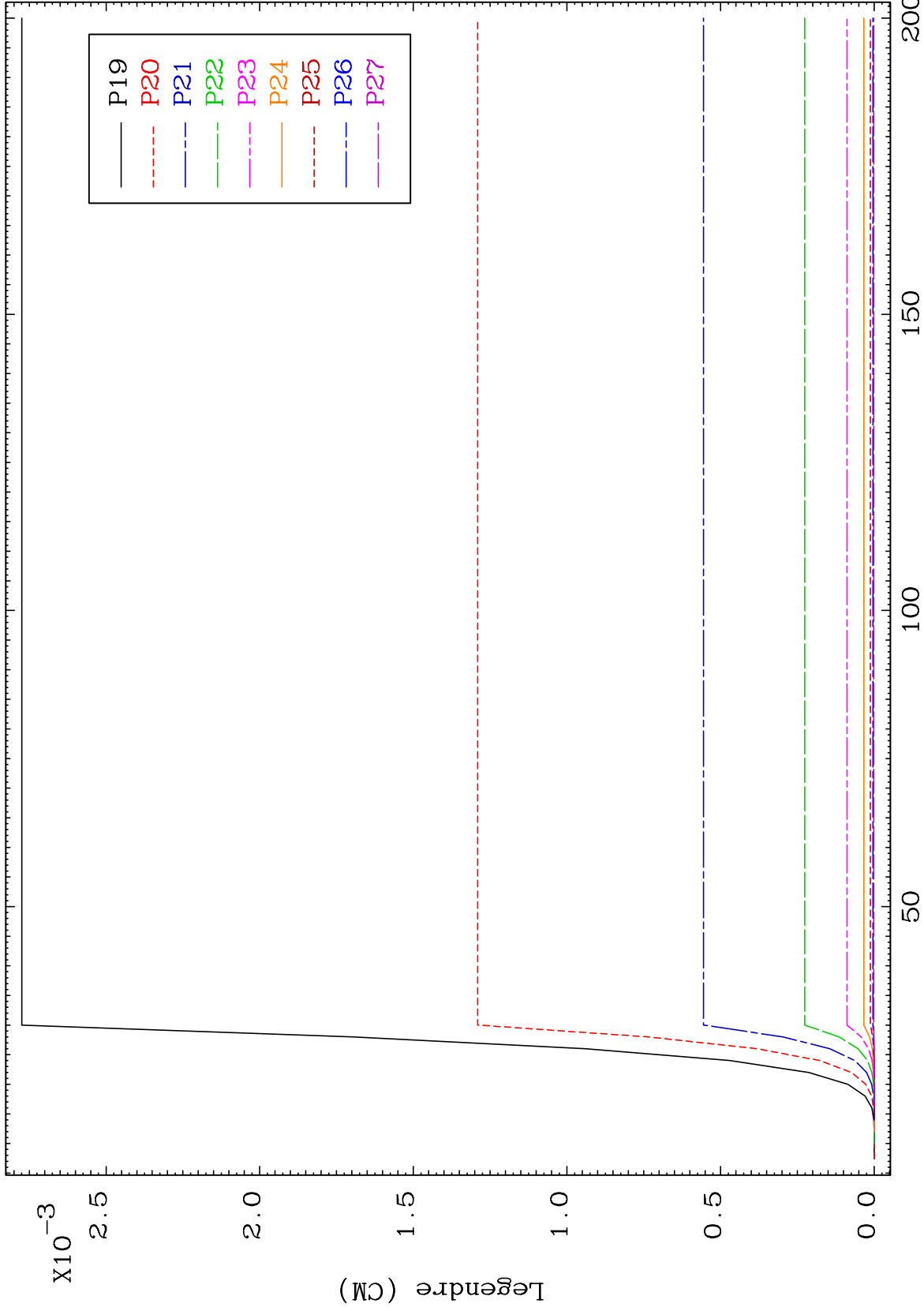
39-Y -86

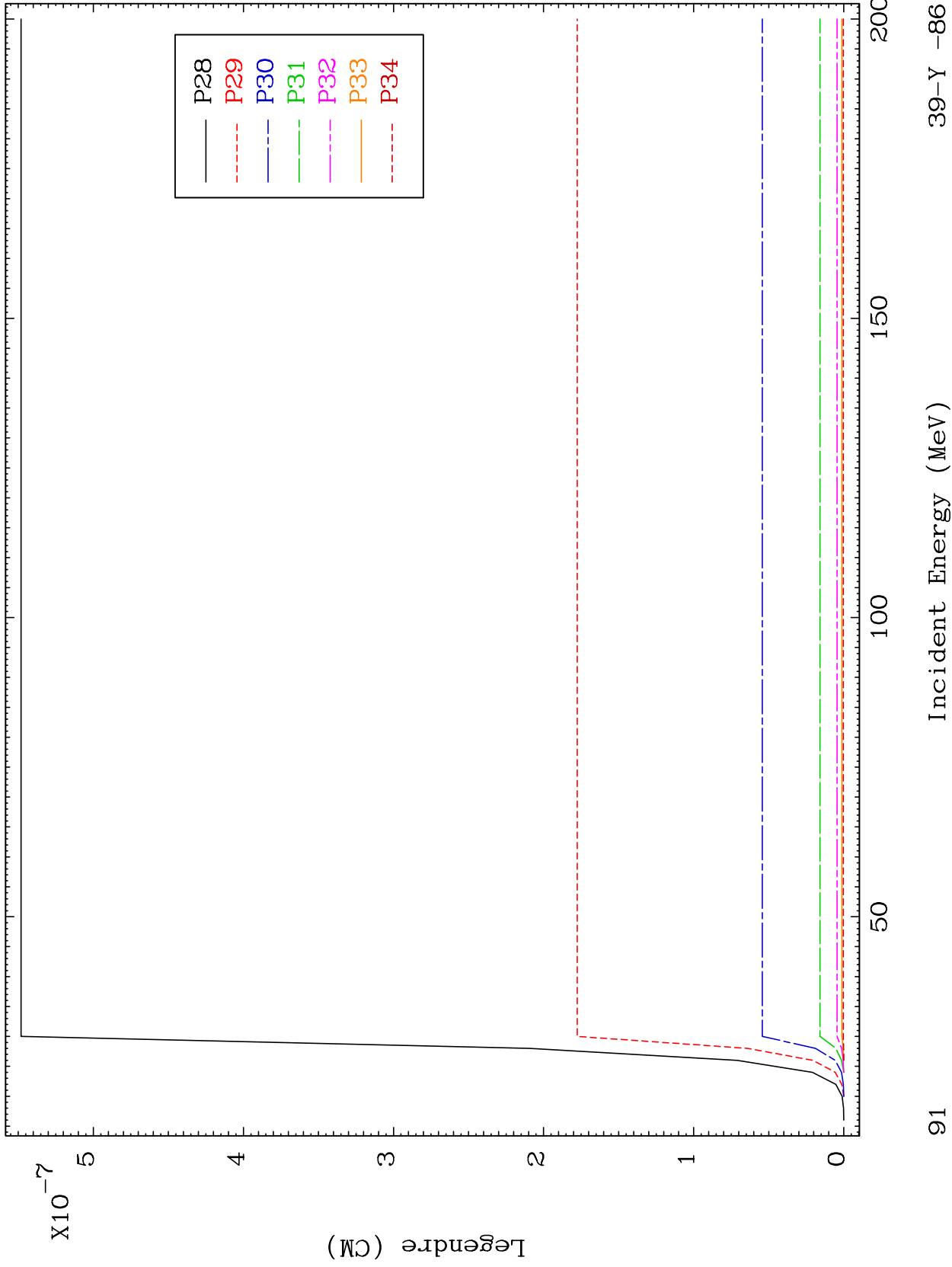


89

Incident Energy (MeV)

39-Y -86



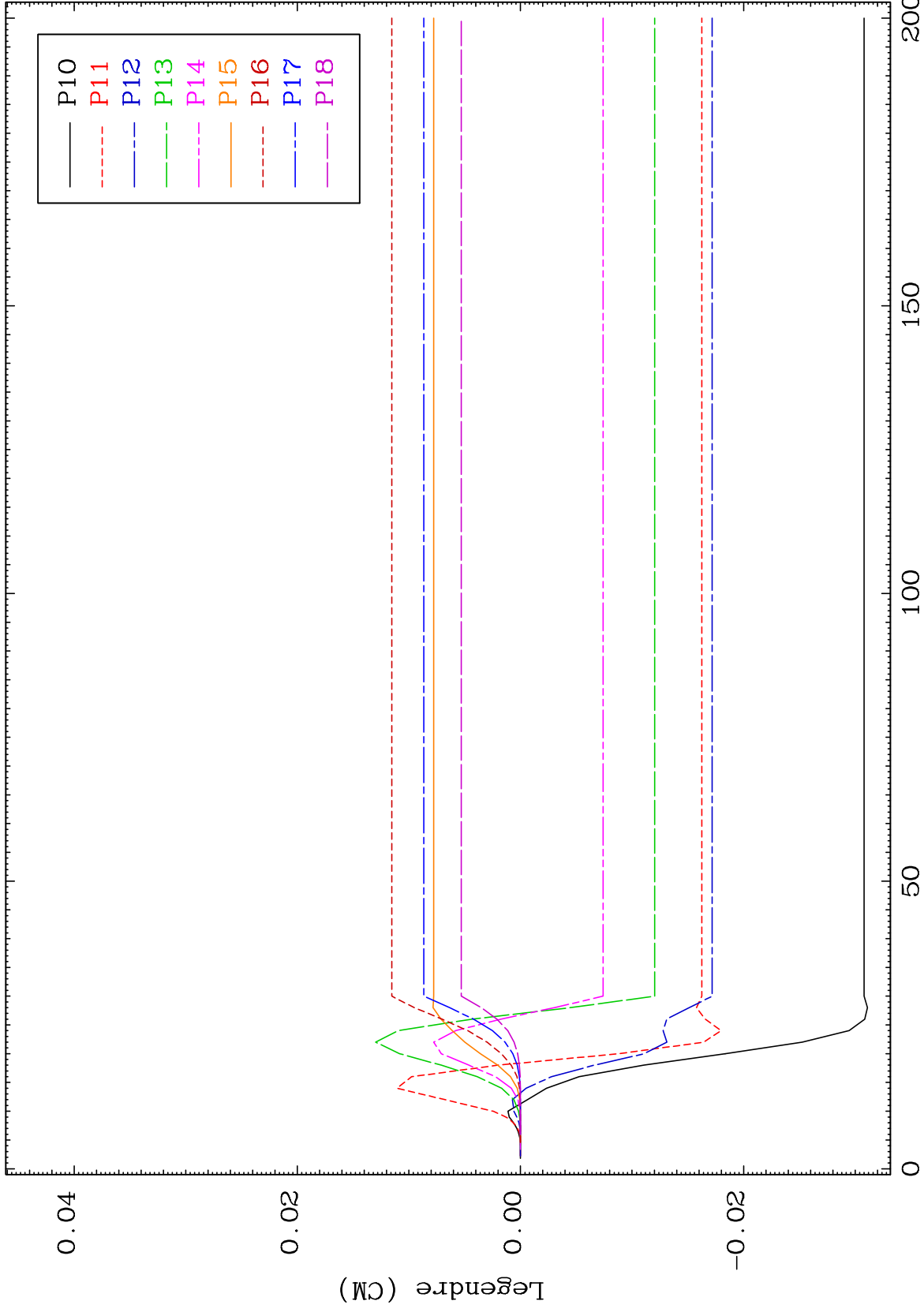




MAT 3916

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

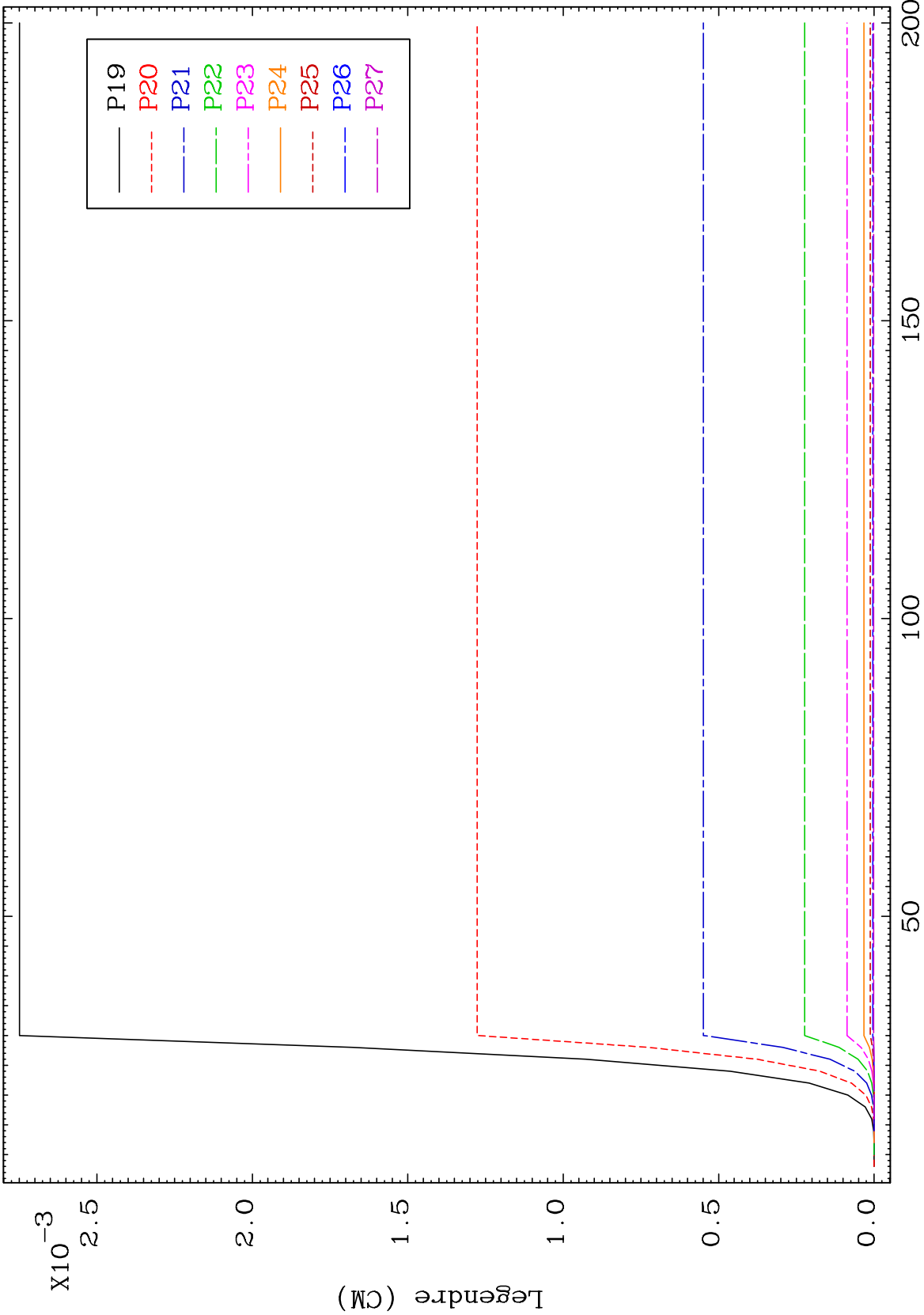
39-Y -86



93

Incident Energy (MeV)

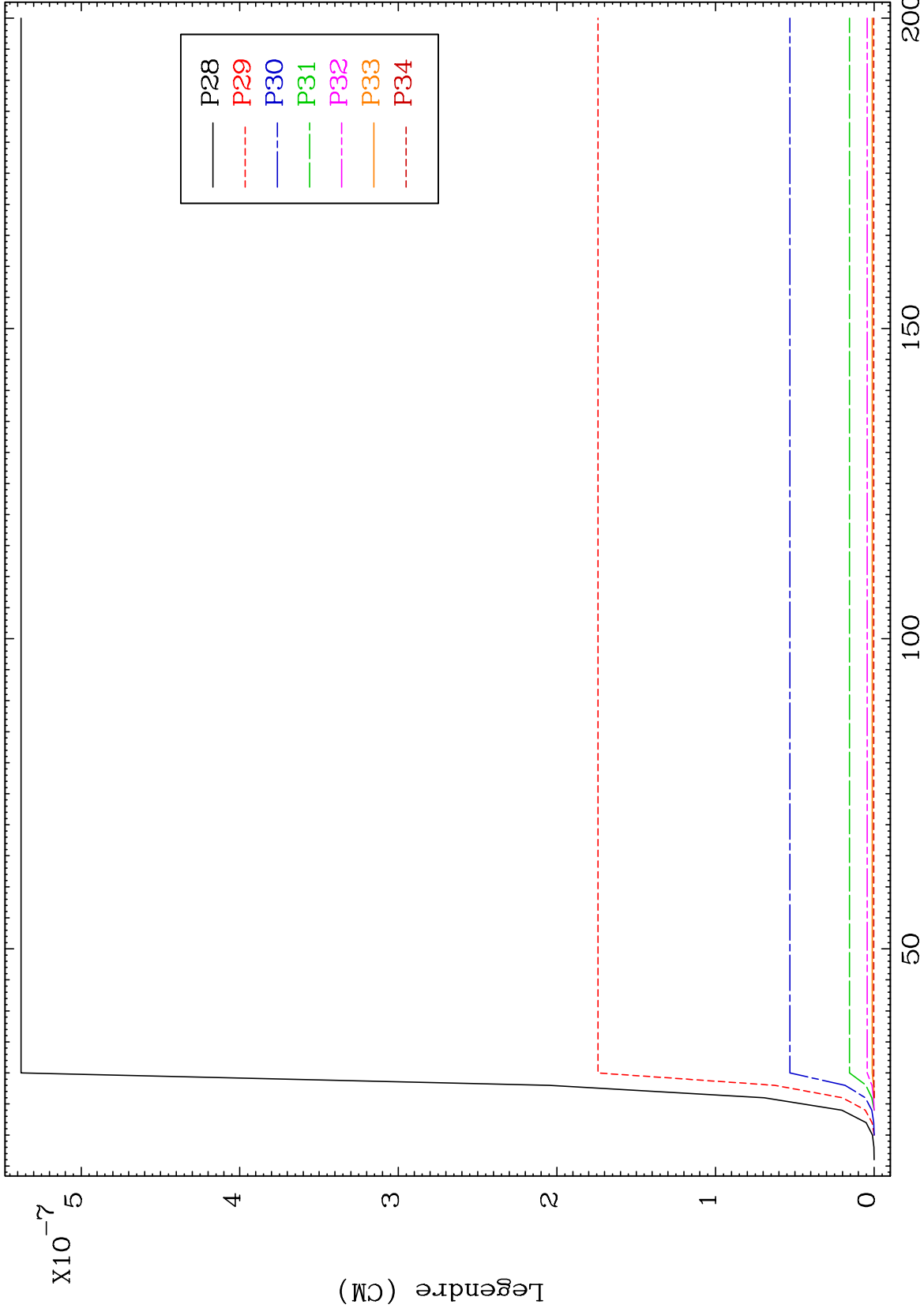
39-Y -86



MAT 3916

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

39-Y -86



95

Incident Energy (MeV)

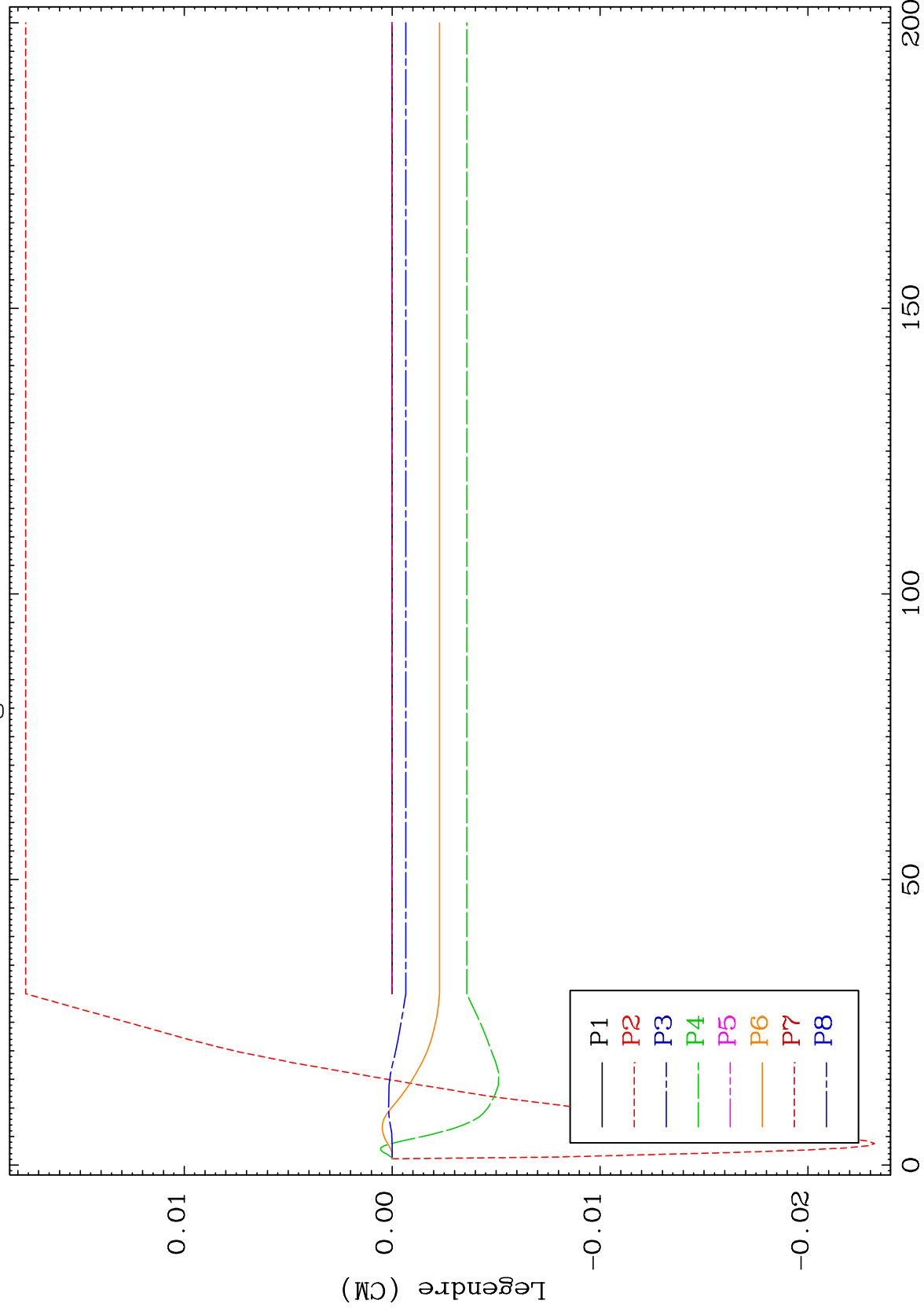
39-Y -86



MAT 3916

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

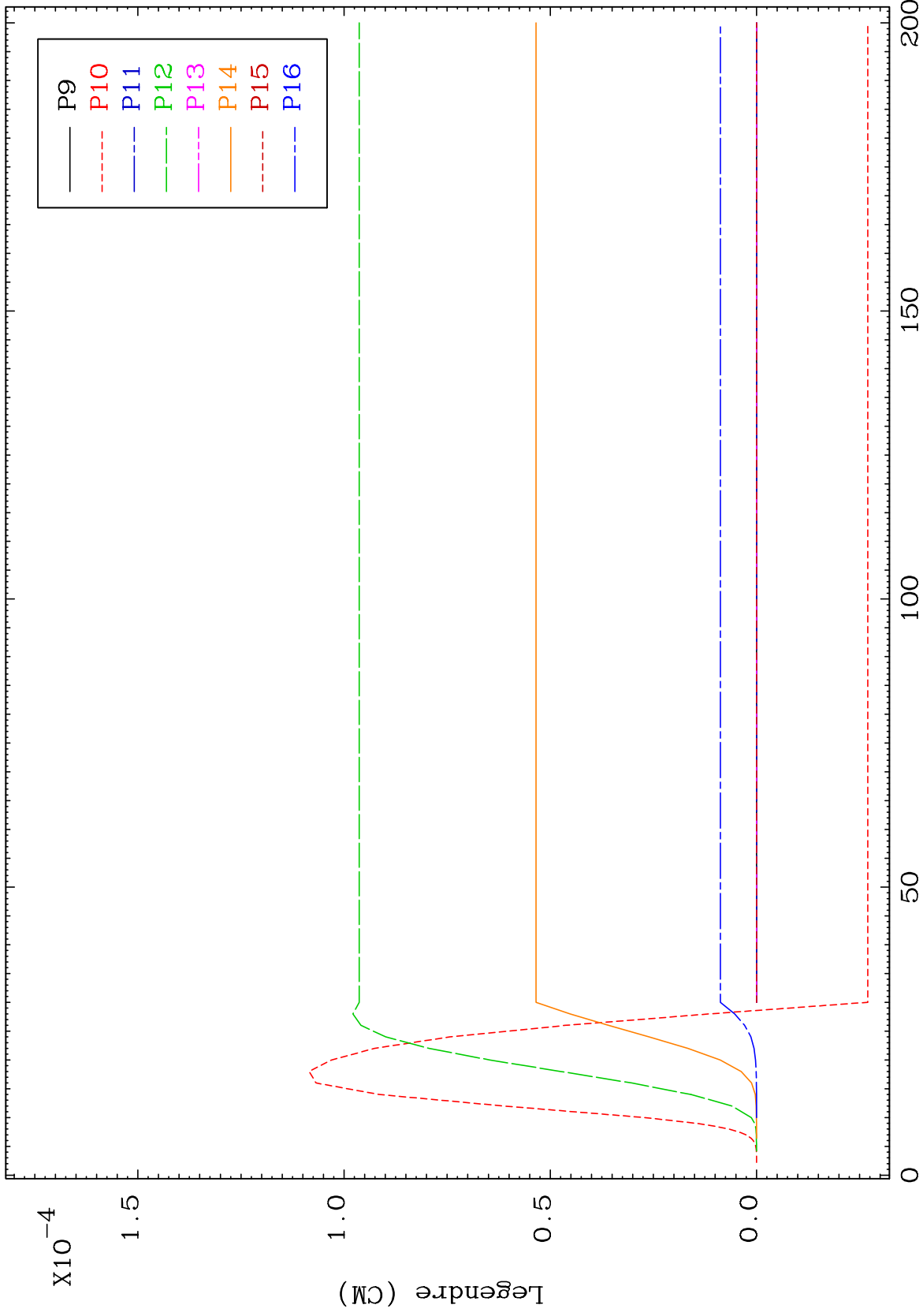
39-Y -86

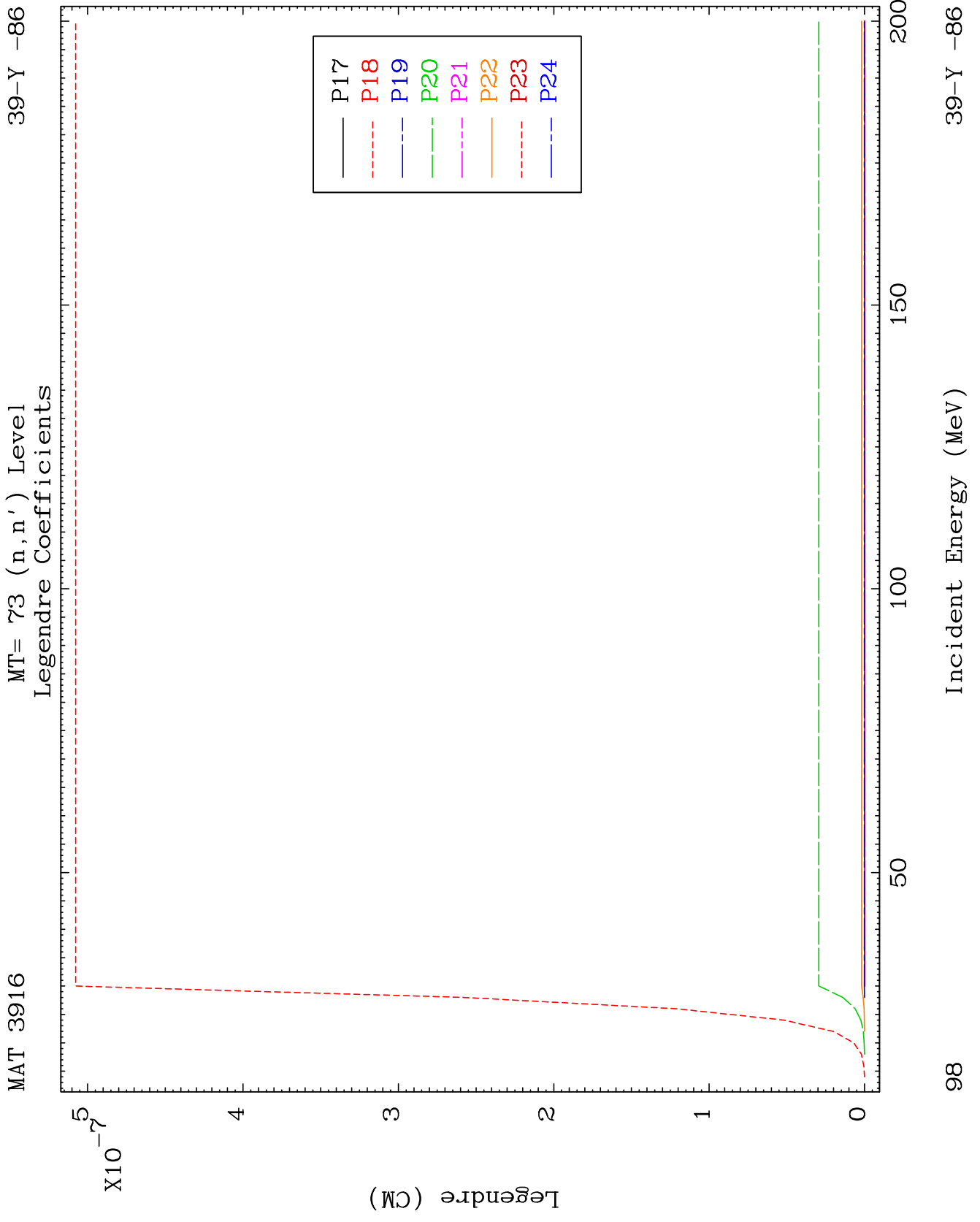


96

Incident Energy (MeV)

39-Y -86

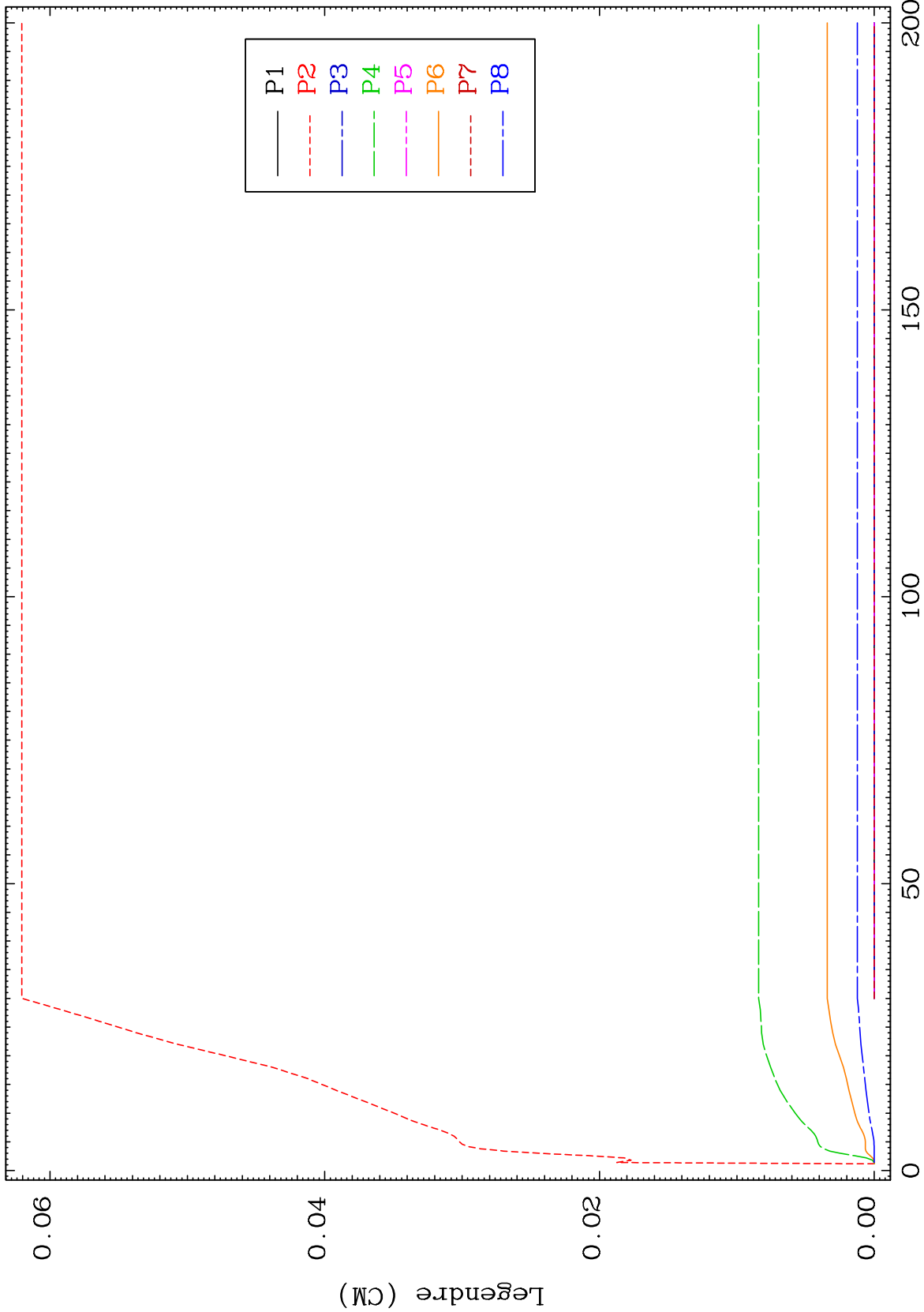




MAT 3916

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

39-Y -86



99

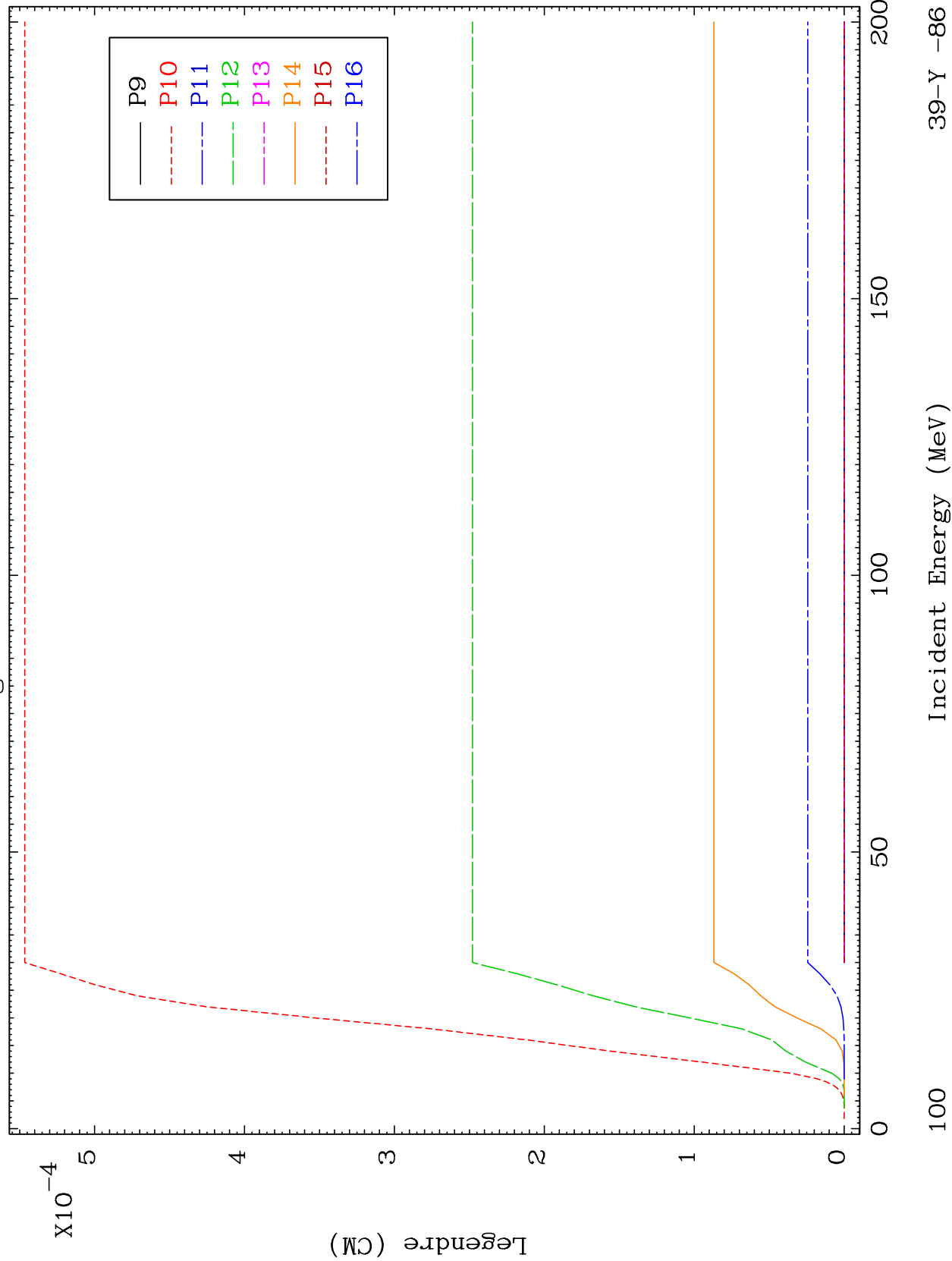
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86

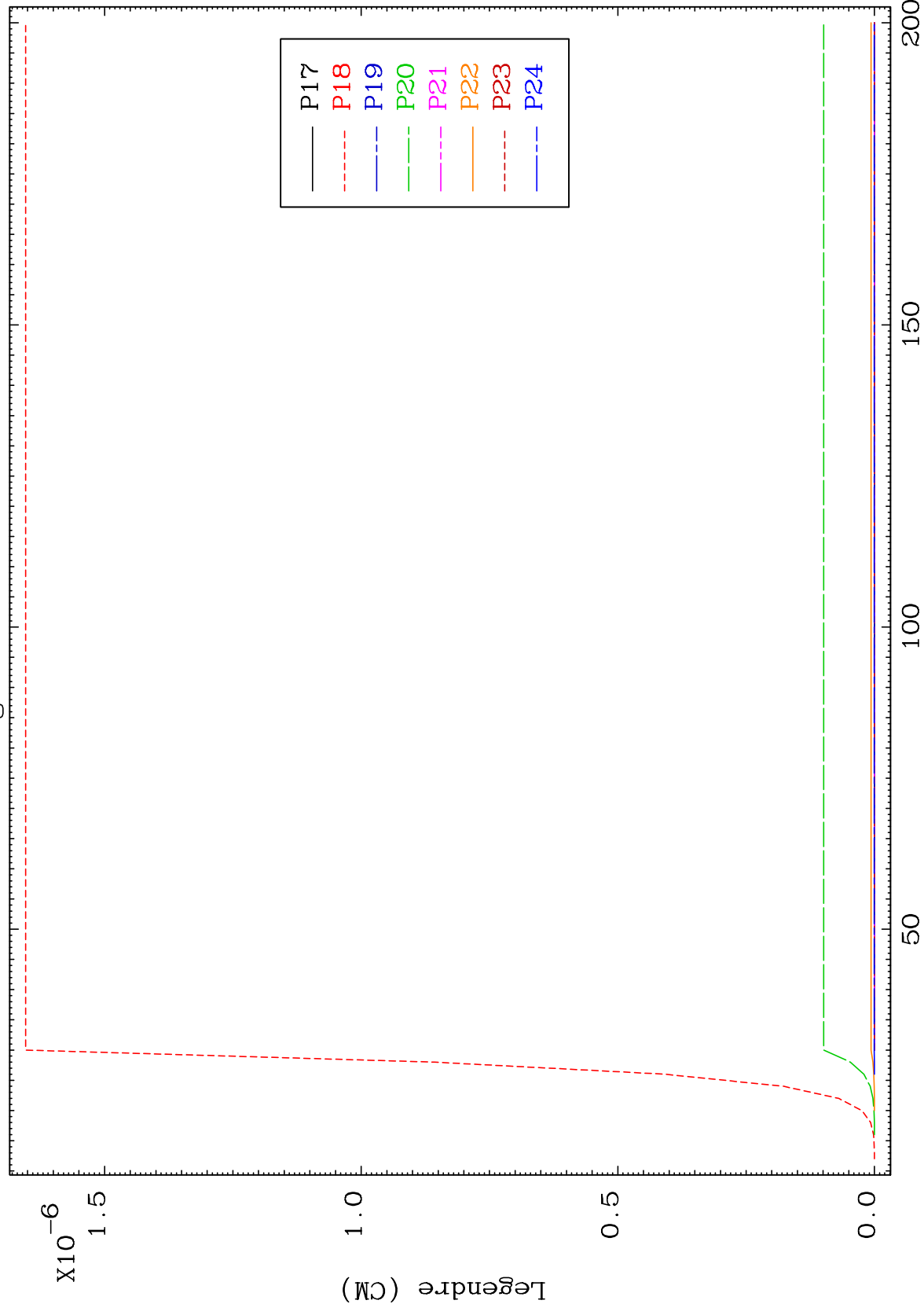


39-Y -86

MAT 3916

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

39-Y -86



101

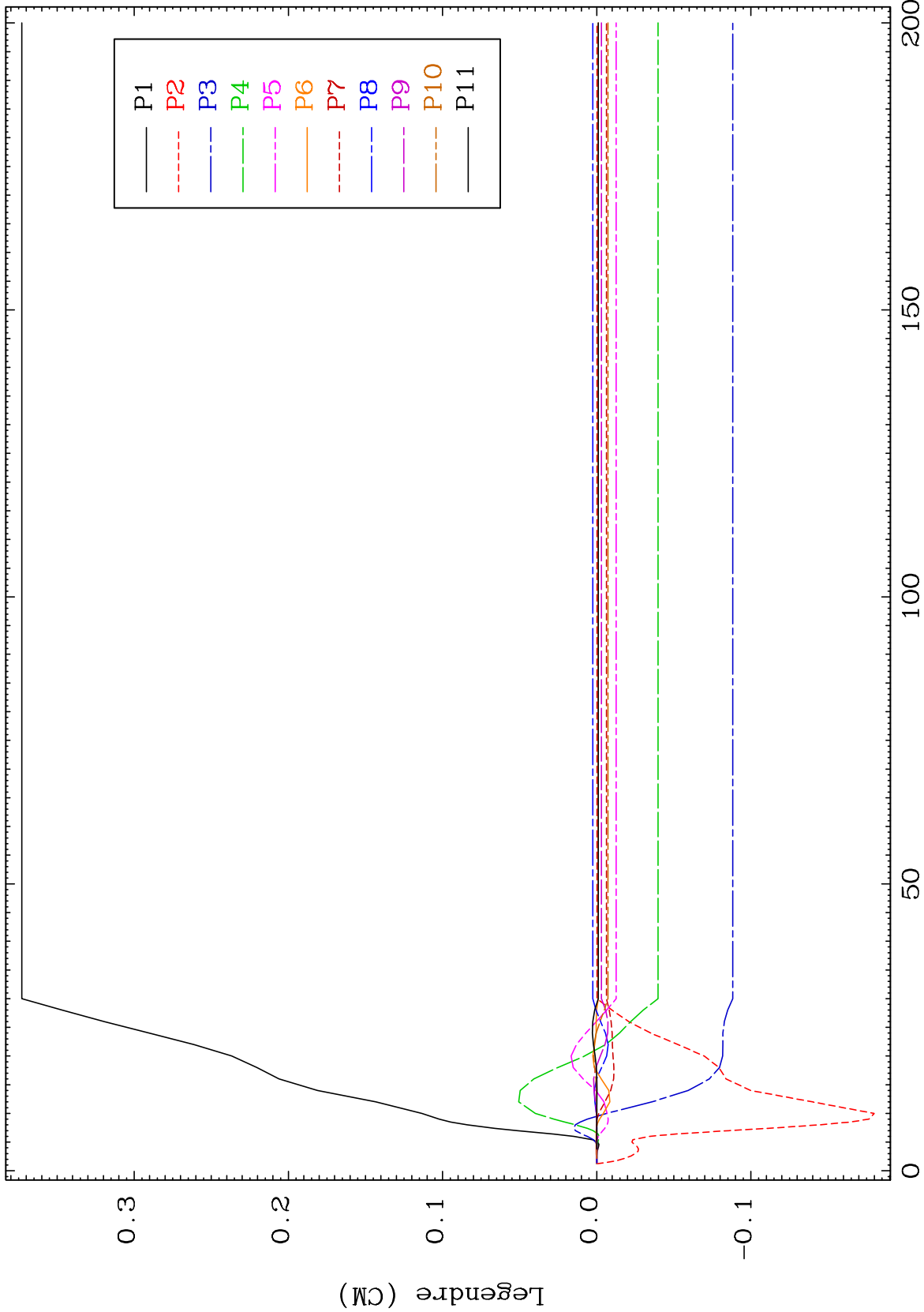
Incident Energy (MeV)

39-Y -86

MAT 3916

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

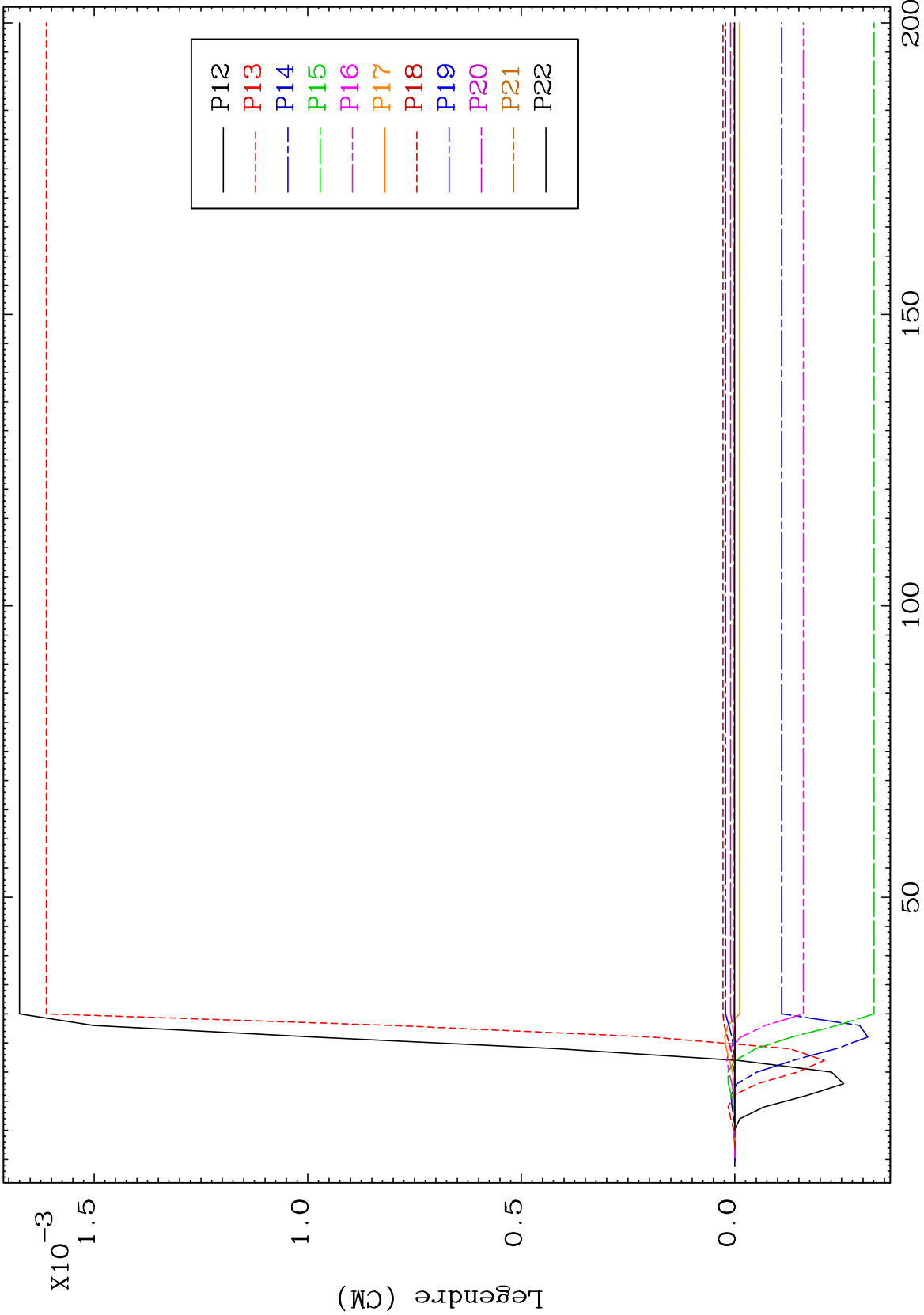
39-Y -86



102

Incident Energy (MeV)

39-Y -86

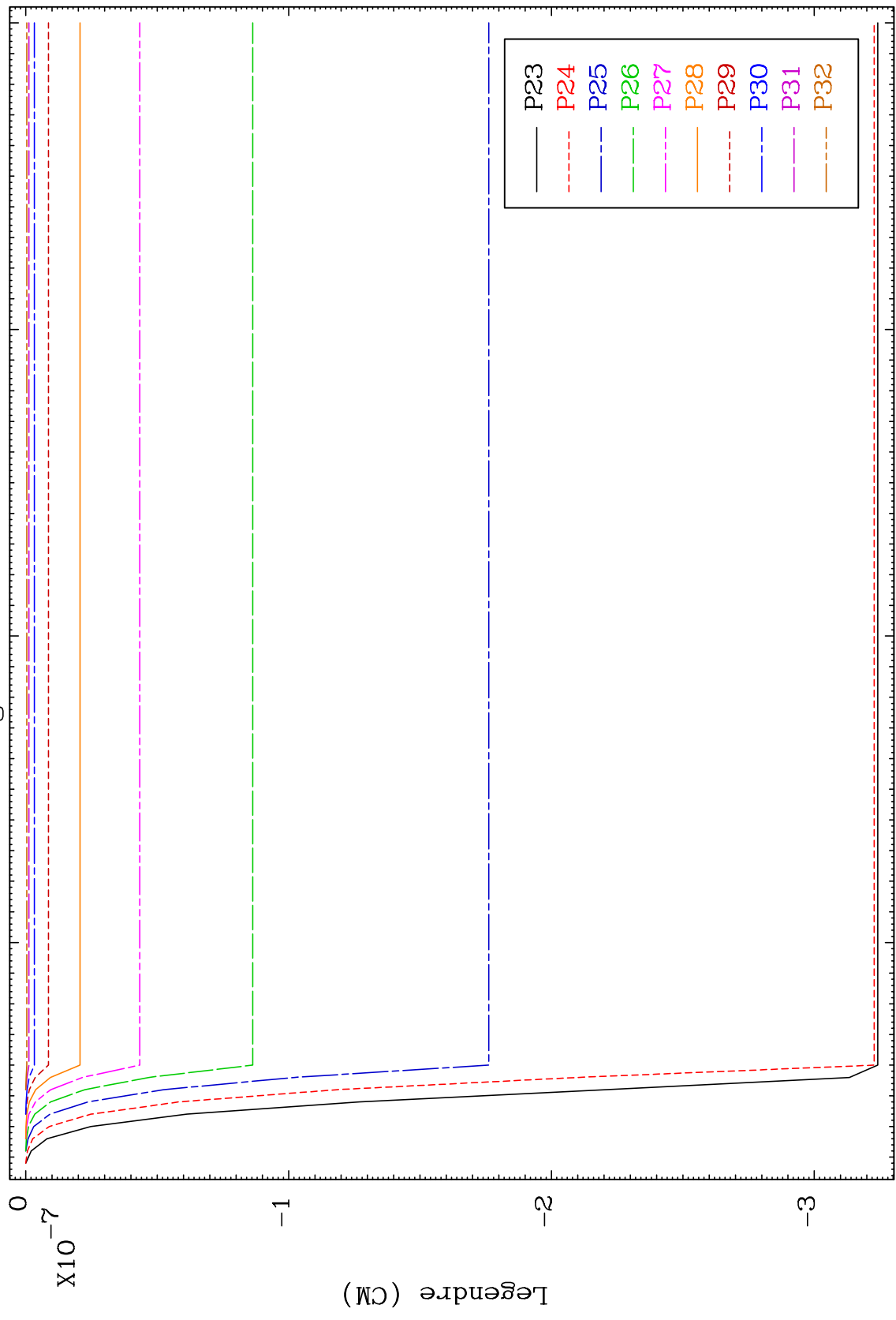




MAT 3916

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

39-Y -86



39-Y -86

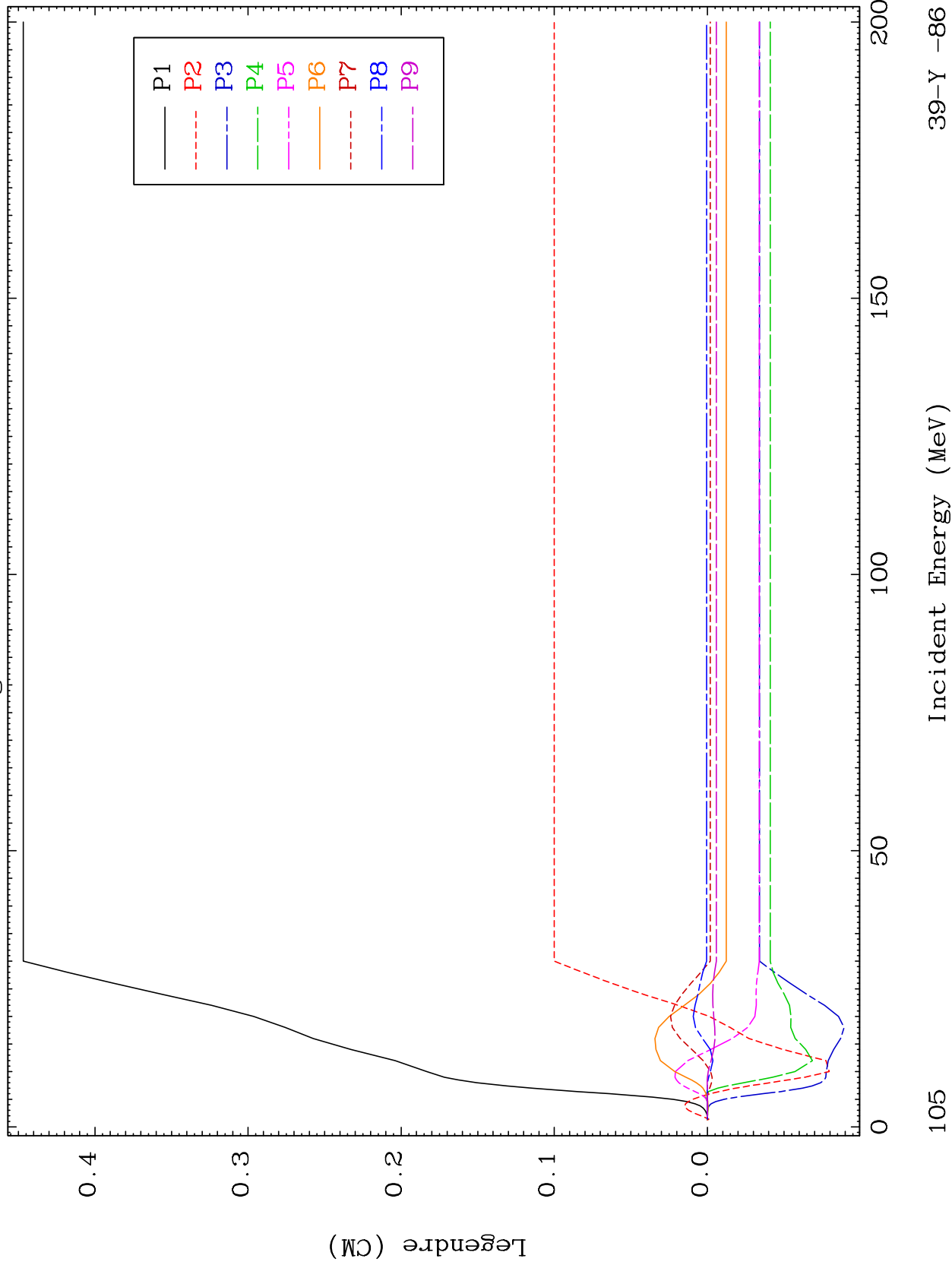
Incident Energy (MeV)

104

MAT 3916

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

39-Y -86



39-Y -86

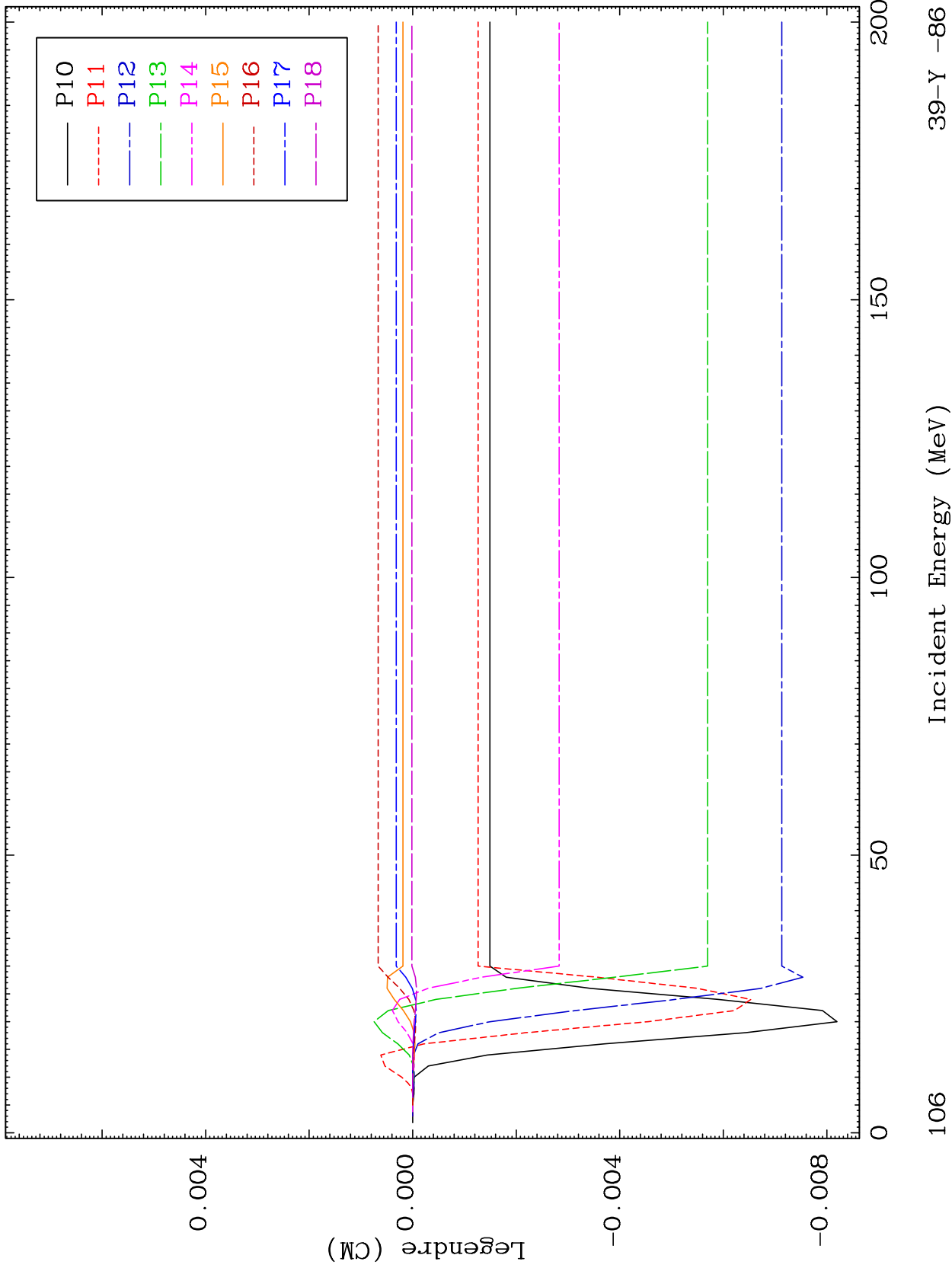
Incident Energy (MeV)

105

MAT 3916

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

39-Y -86



106

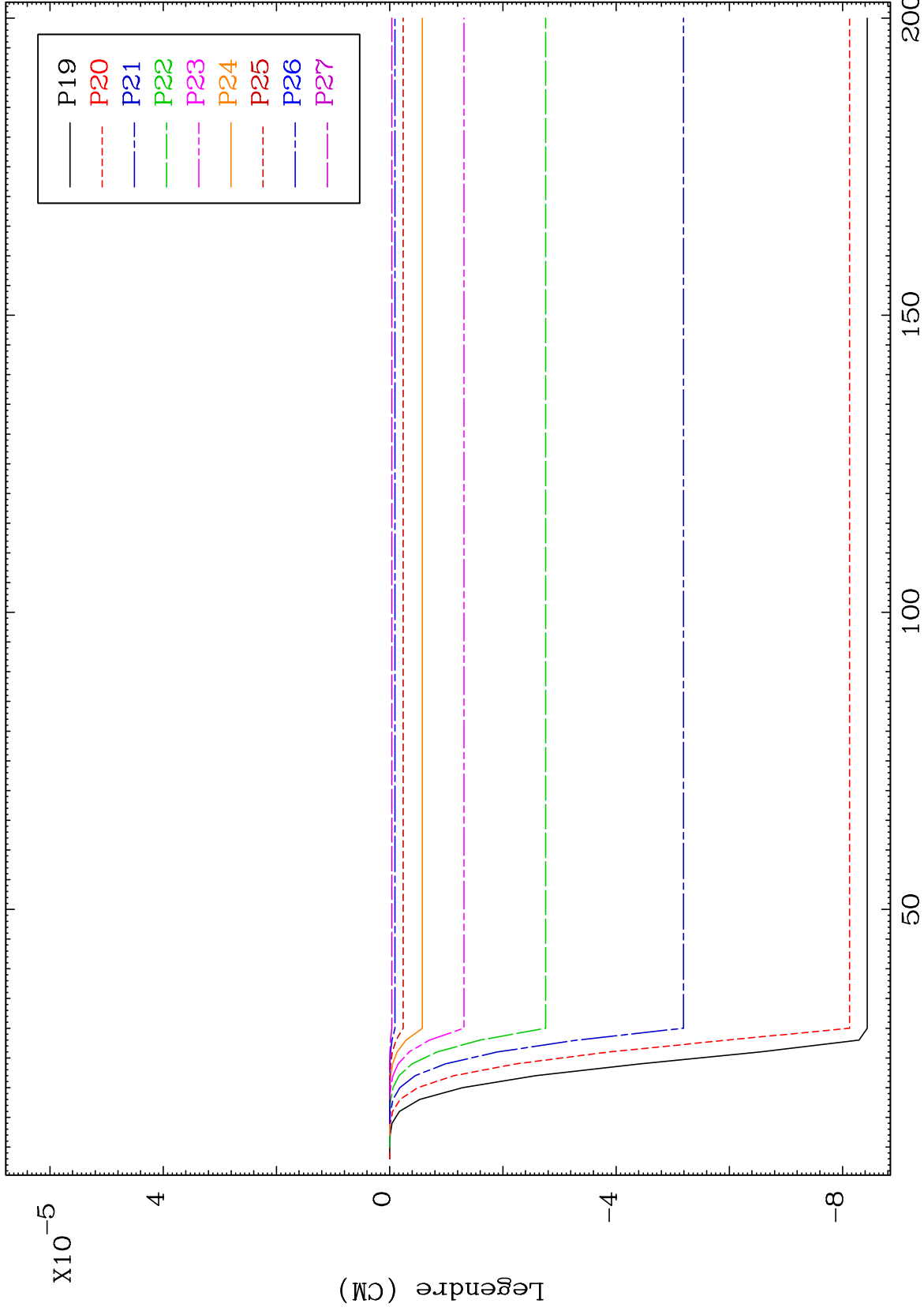
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



107

Incident Energy (MeV)

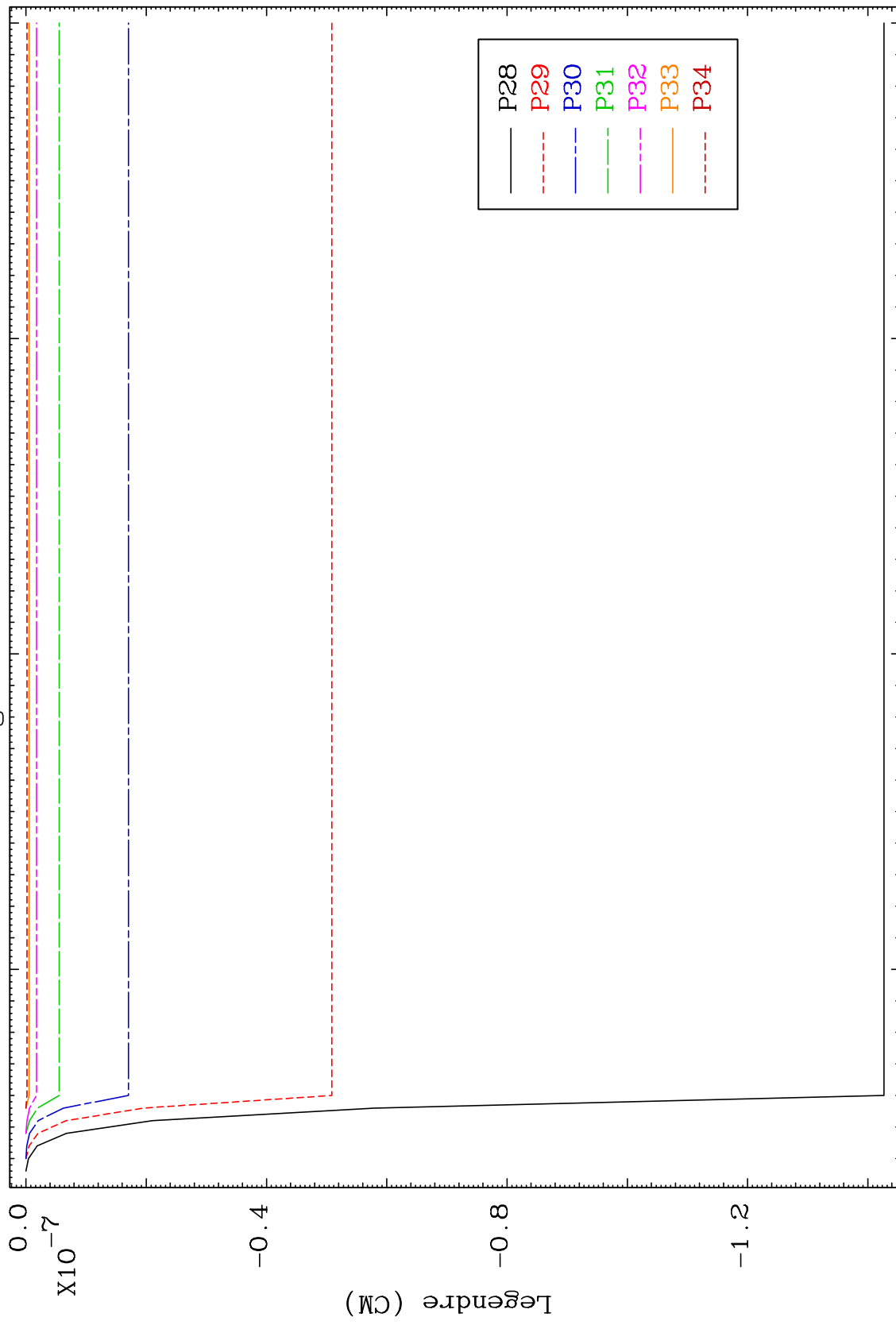
39-Y -86

MAT 3916

MT= 76 (n,n') Level

Legendre Coefficients

39-Y -86



108

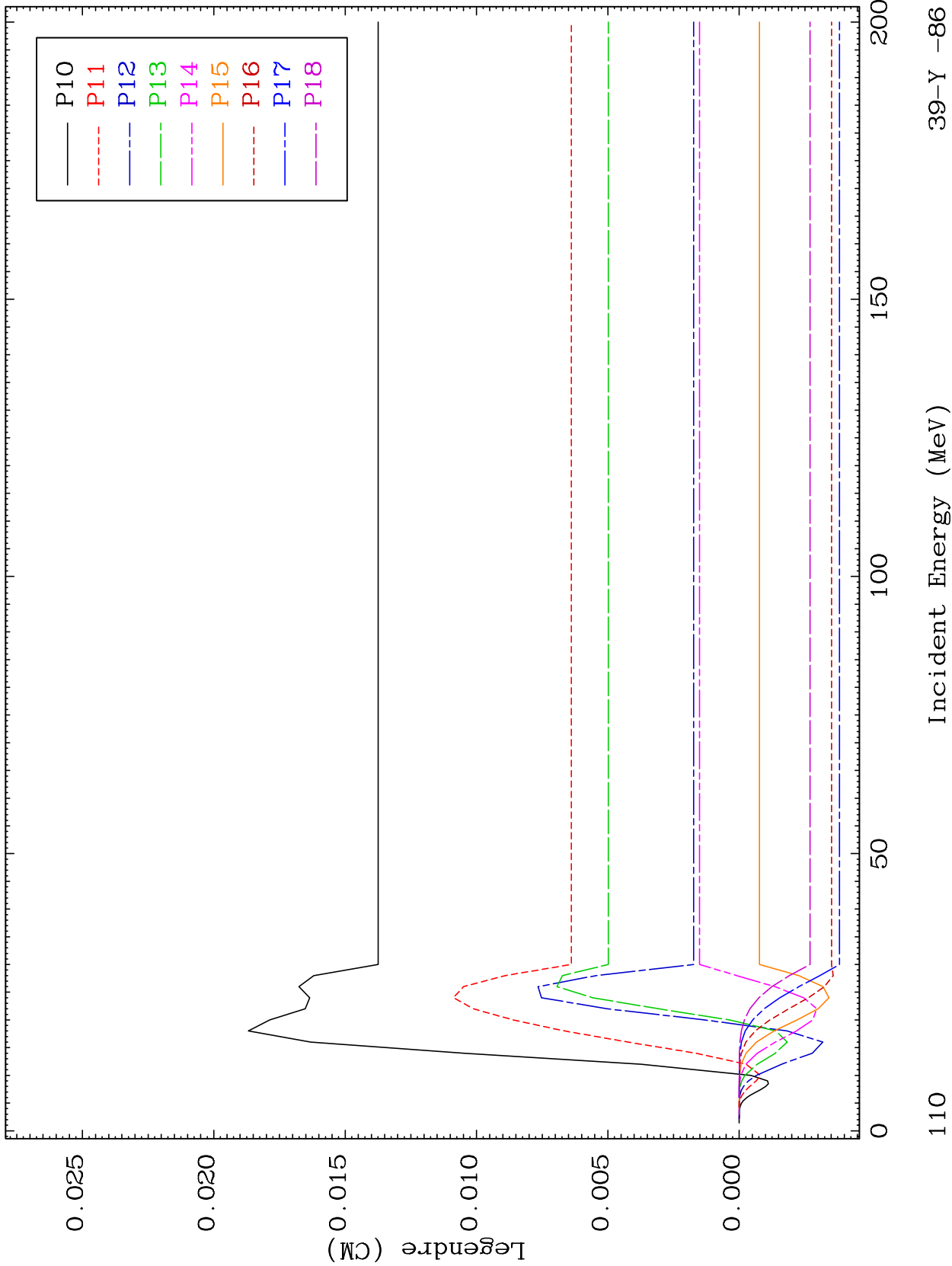
39-Y -86



MAT 3916

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

39-Y -86

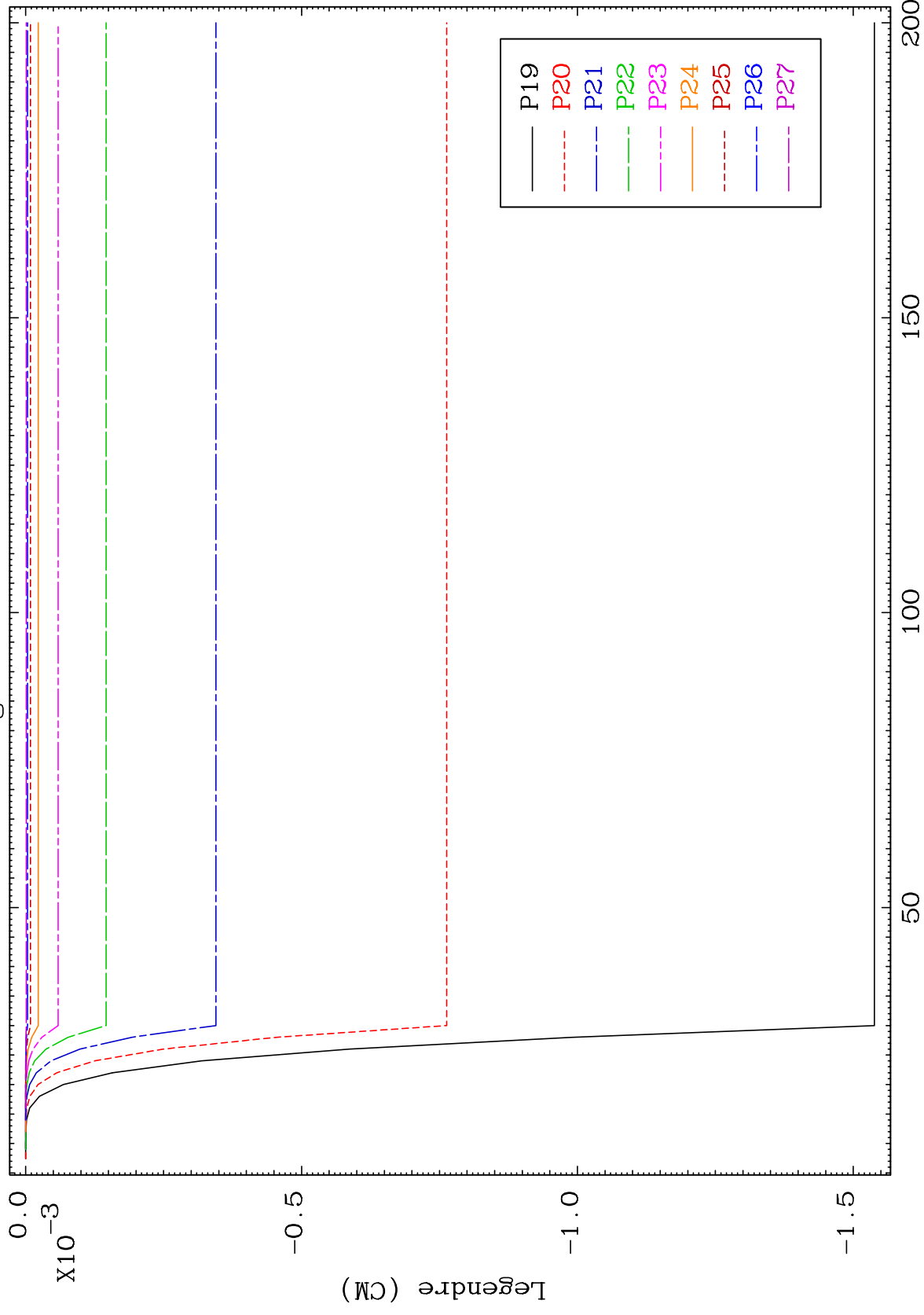


39-Y -86

Incident Energy (MeV)

110

Legendre Coefficients

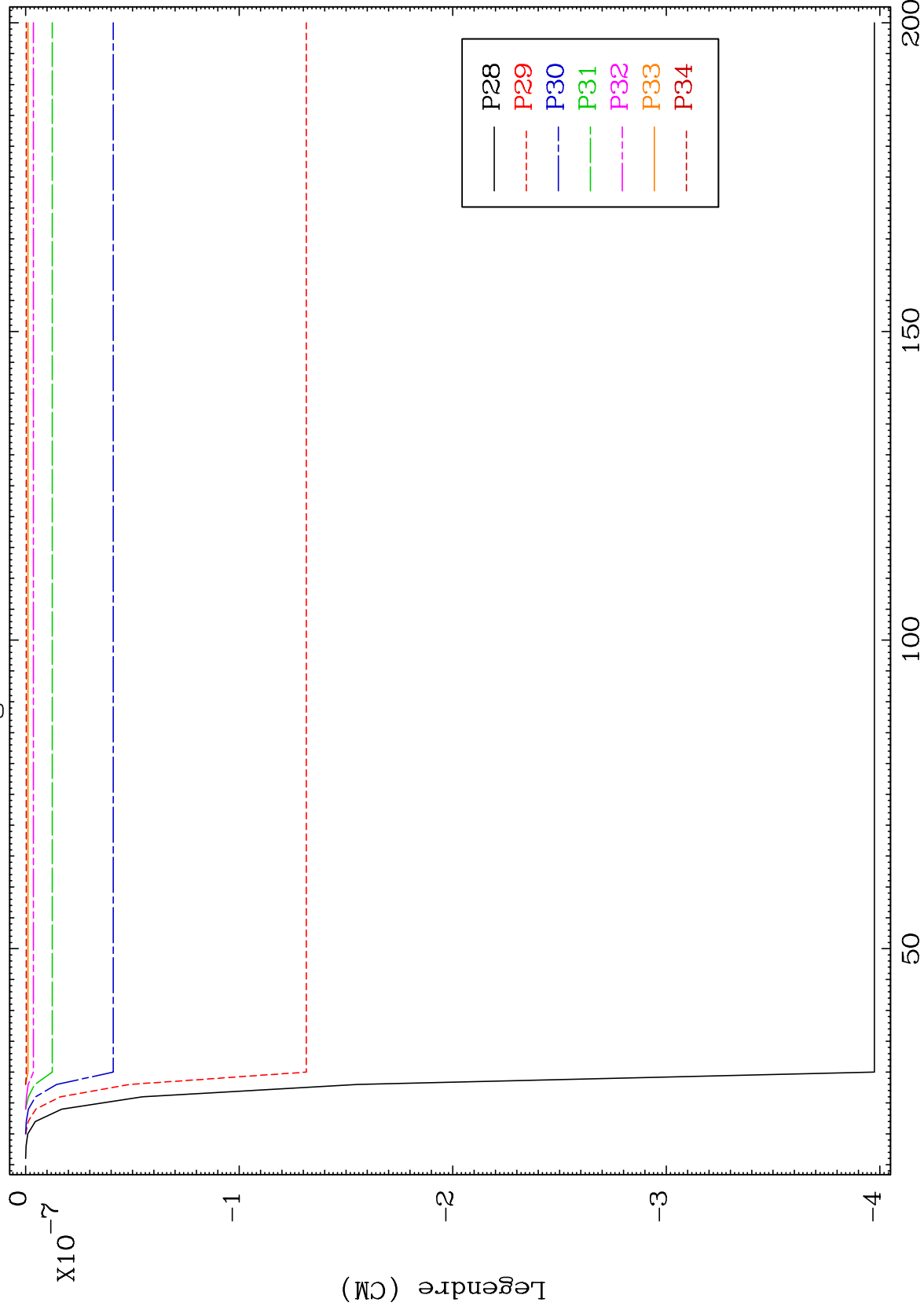




MAT 3916

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

39-Y -86



112

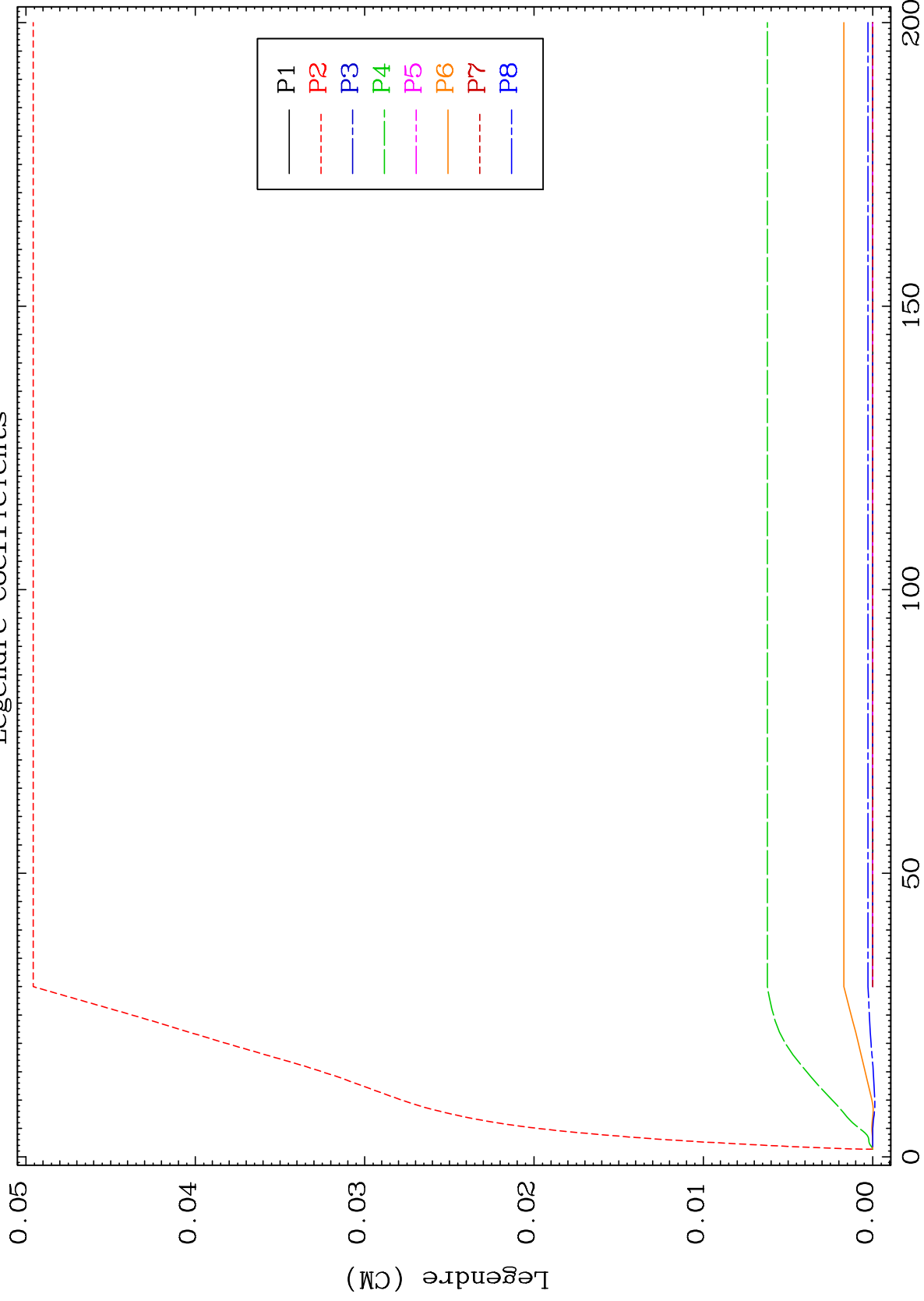
Incident Energy (MeV)

39-Y -86

MAT 3916

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

39-Y -86



113

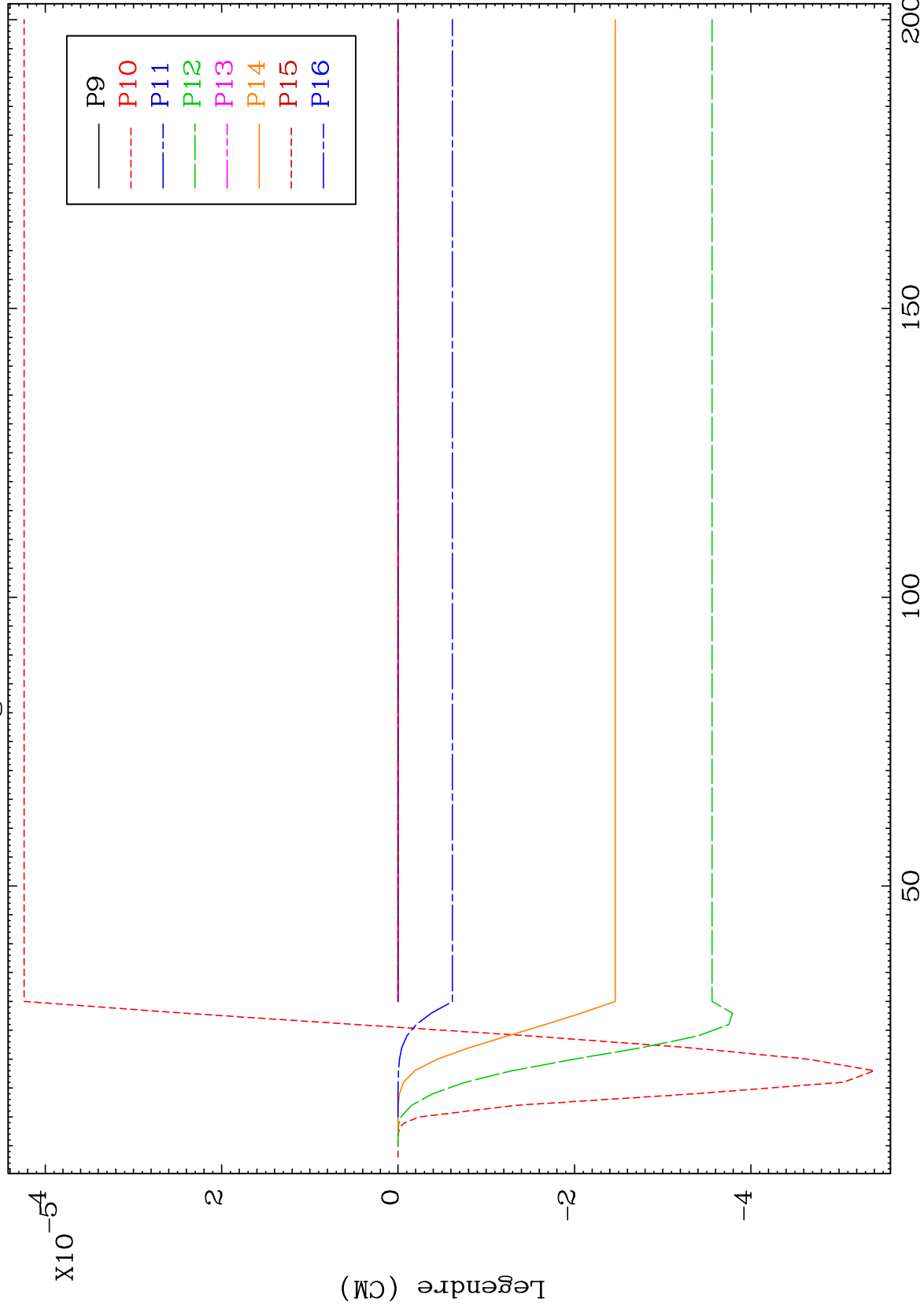
Incident Energy (MeV)

39-Y -86

MAT 3916

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

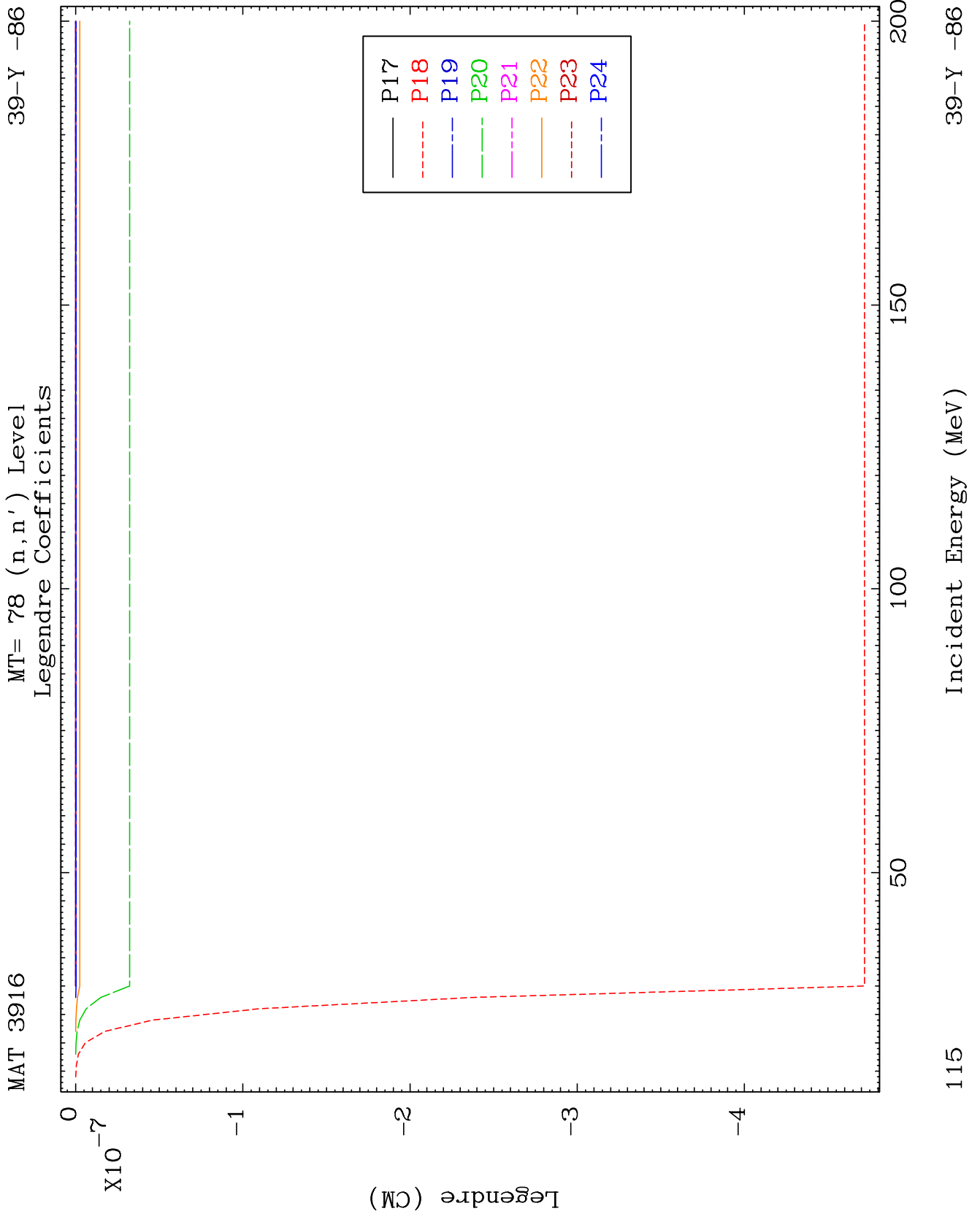
39-Y -86



114

Incident Energy (MeV)

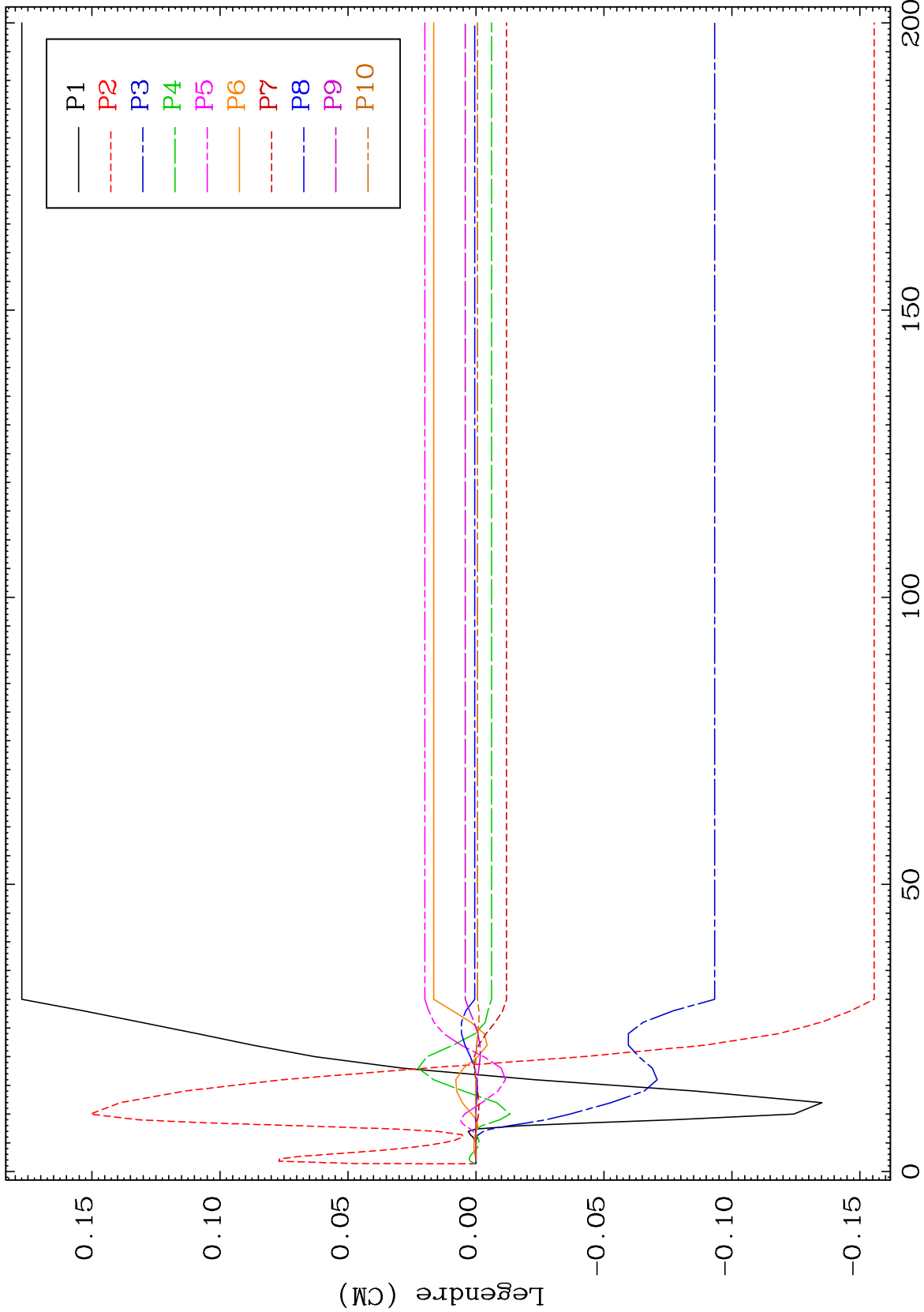
39-Y -86



MAT 3916

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

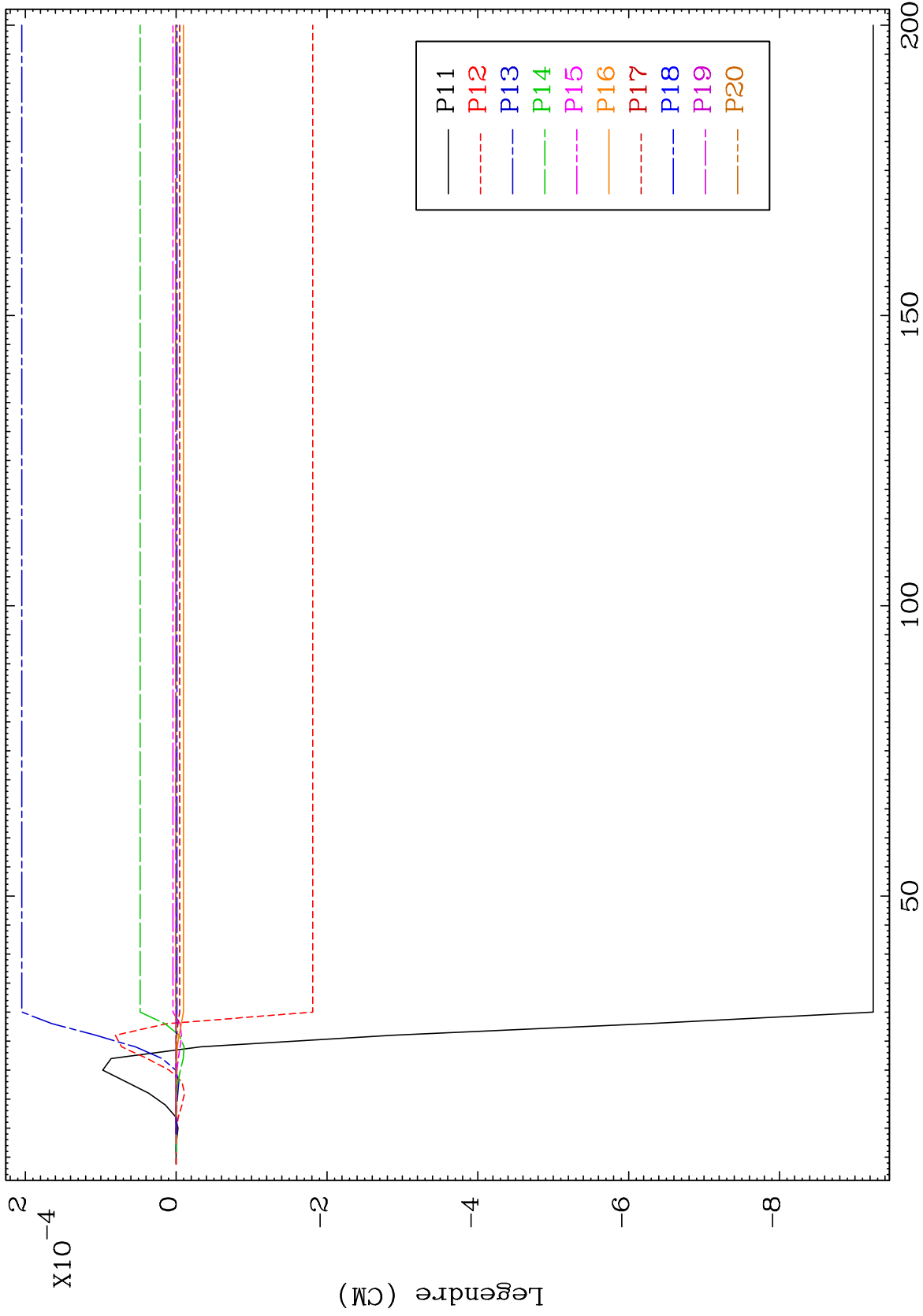
39-Y -86



116

Incident Energy (MeV)

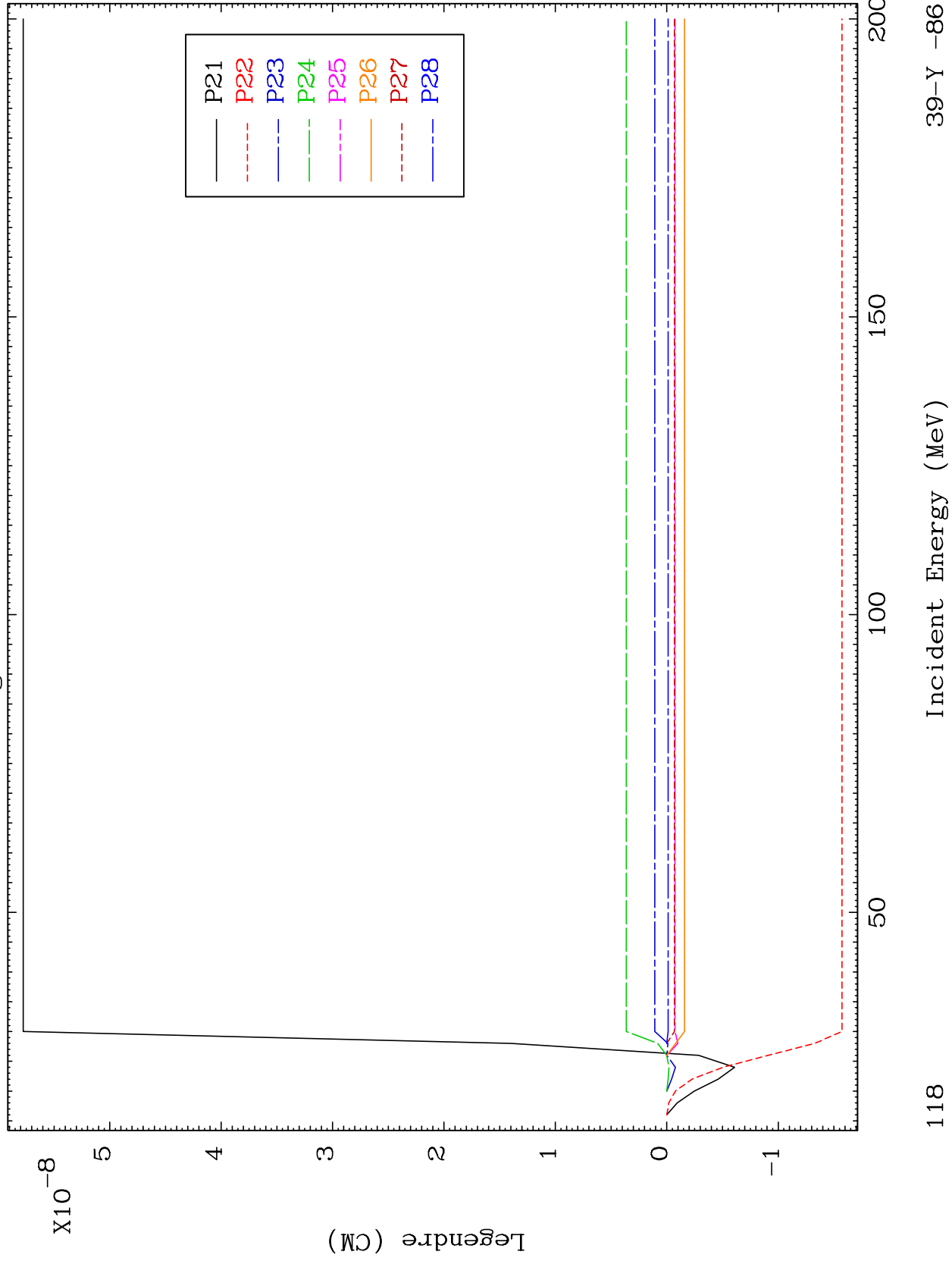
39-Y -86



MAT 3916

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

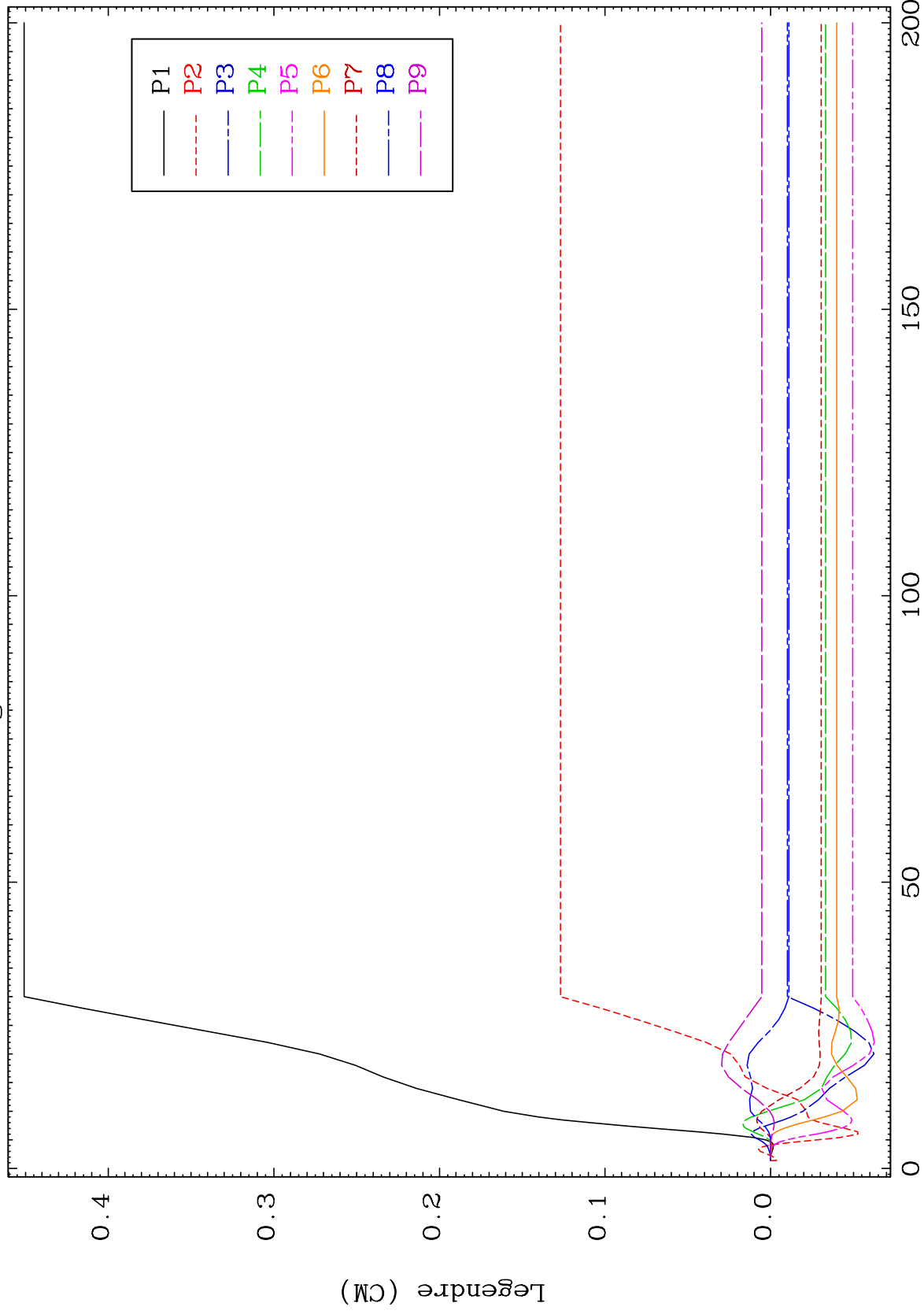
39-Y -86



MAT 3916

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

39-Y -86



119

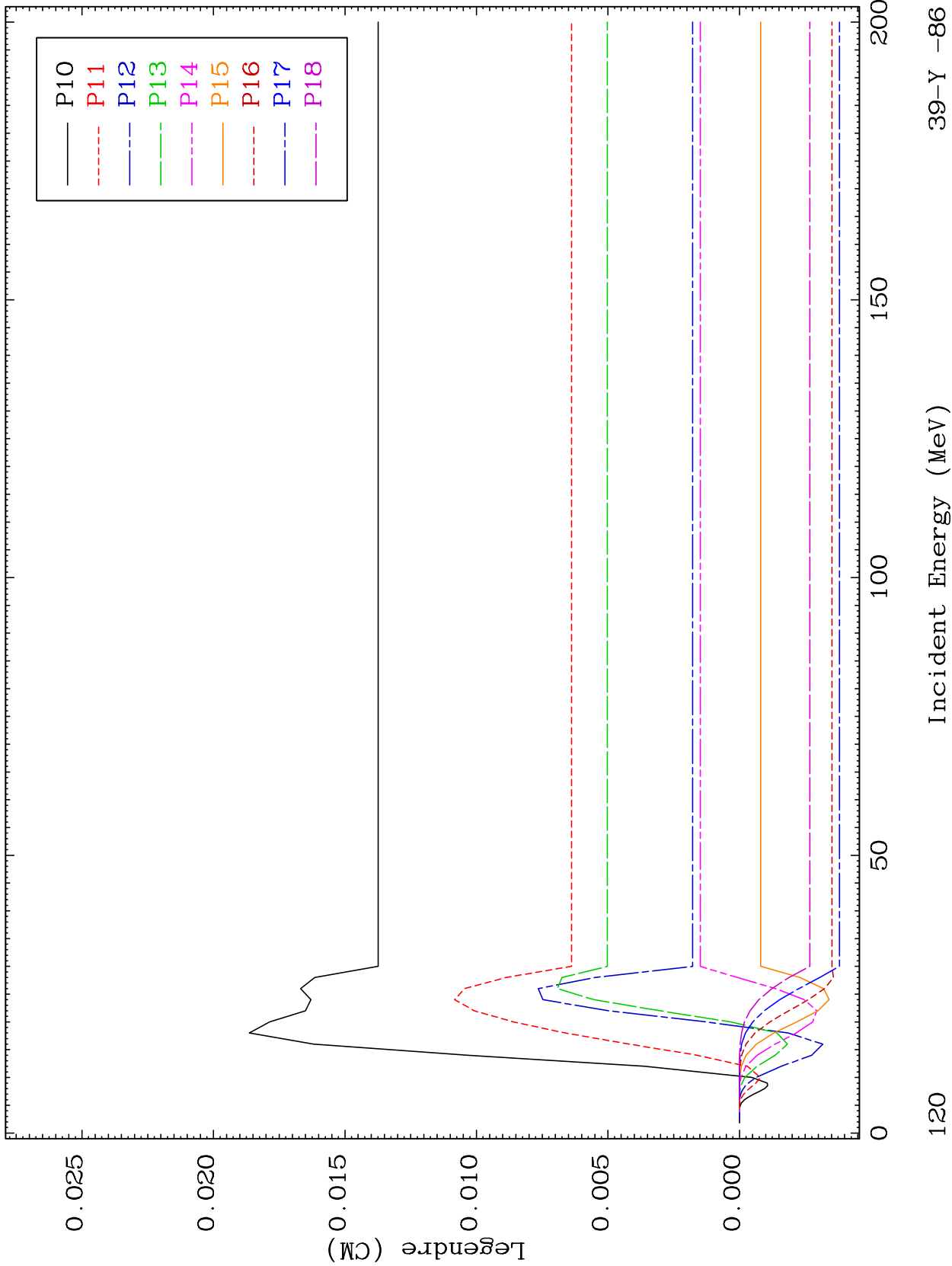
39-Y -86

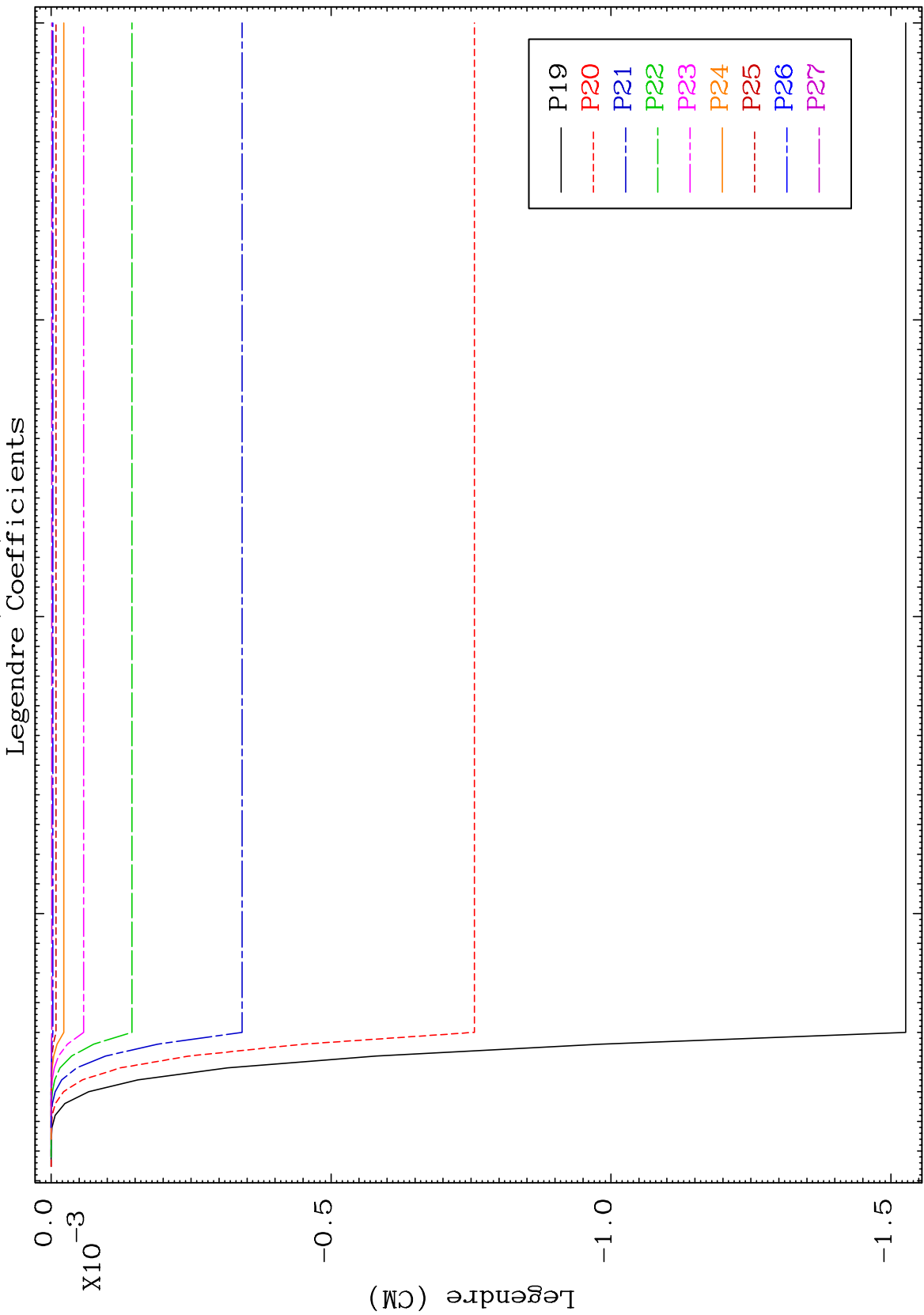


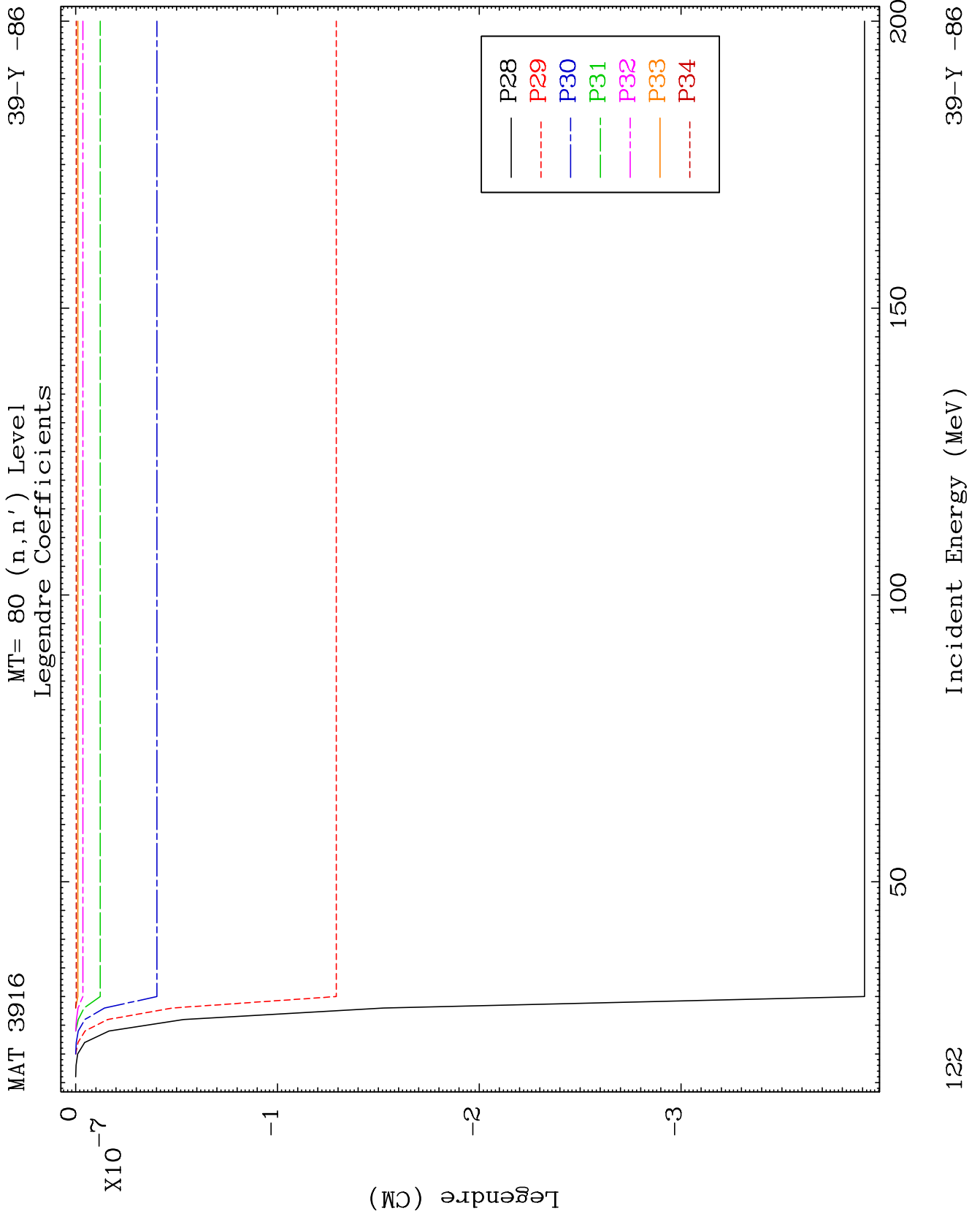
MAT 3916

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

39-Y -86



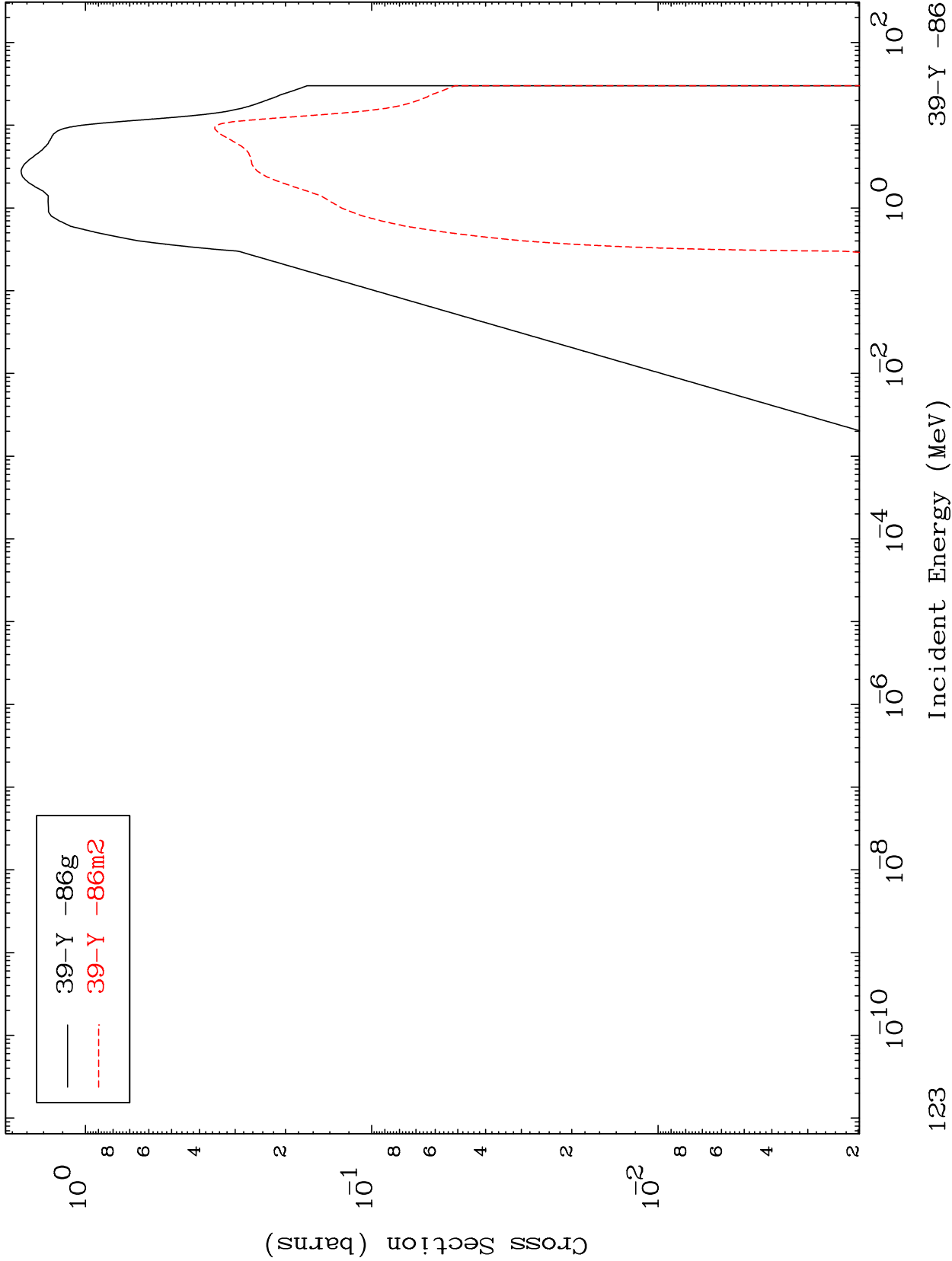




MAT 3916

Inelastic  
Radionuclide Production Cross Section

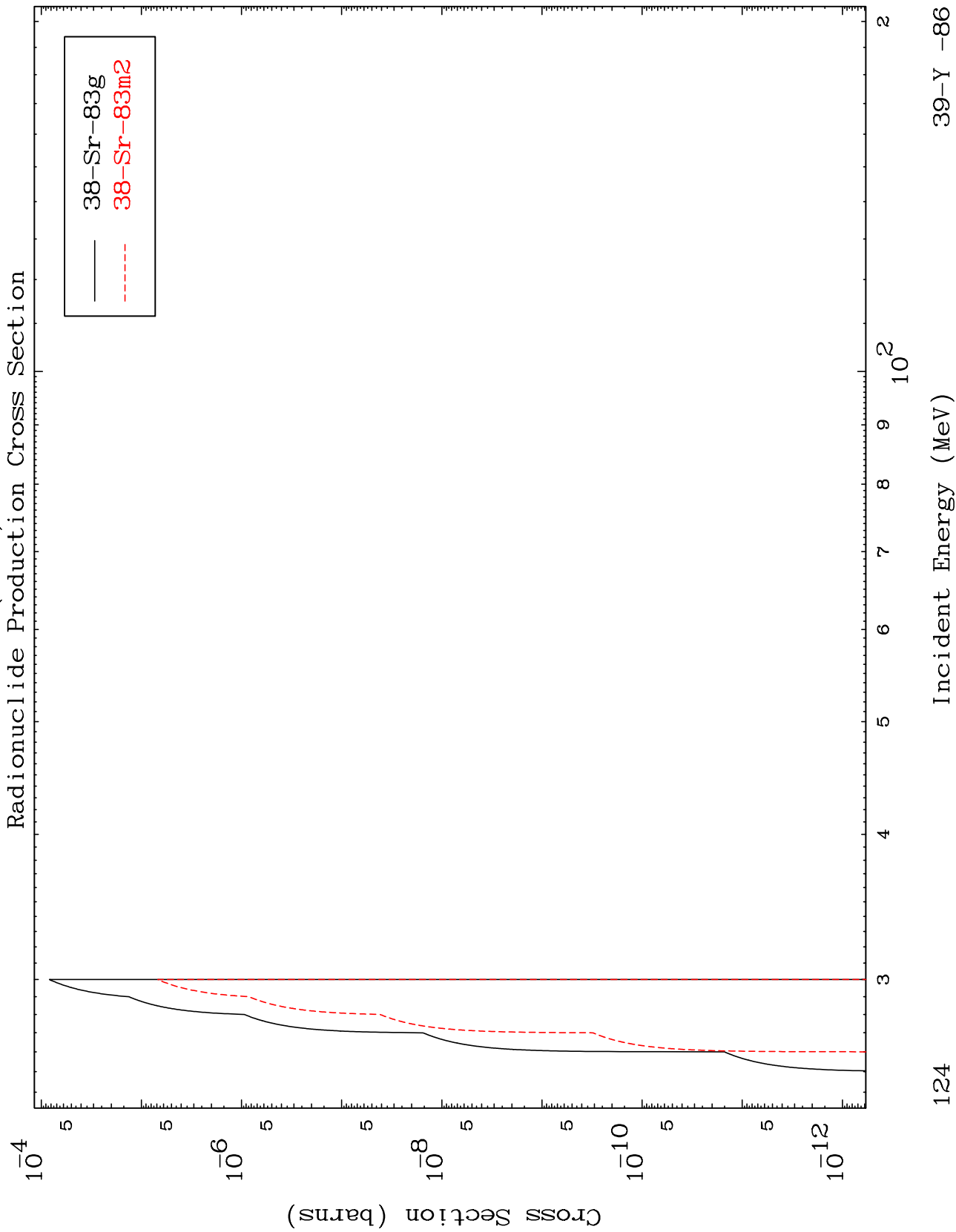
39-Y -86



MAT 3916

(n,2n) d

39-Y -86



124

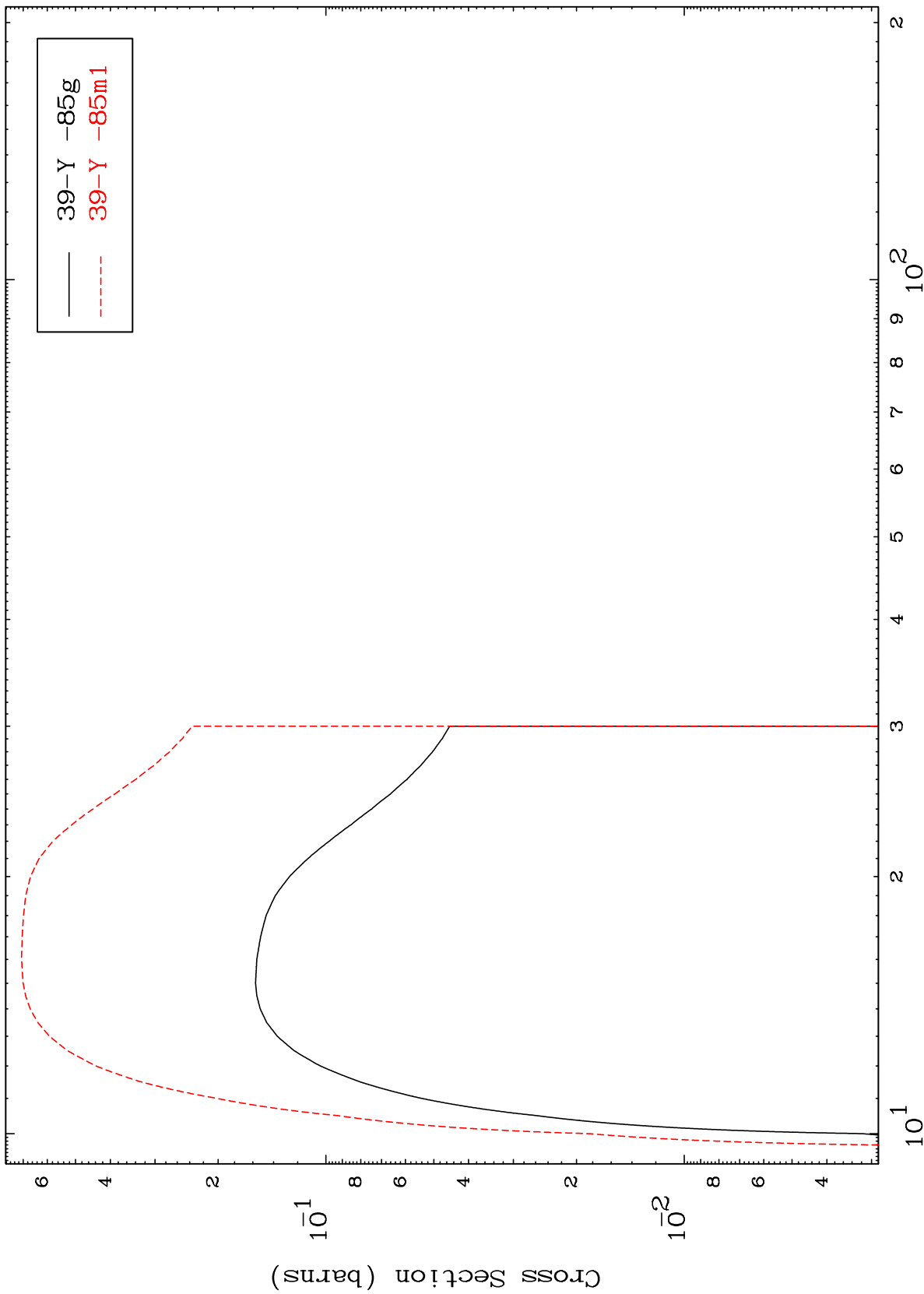
Incident Energy (MeV)

39-Y -86

MAT 3916

39-Y -86

(n,2n)  
Radionuclide Production Cross Section

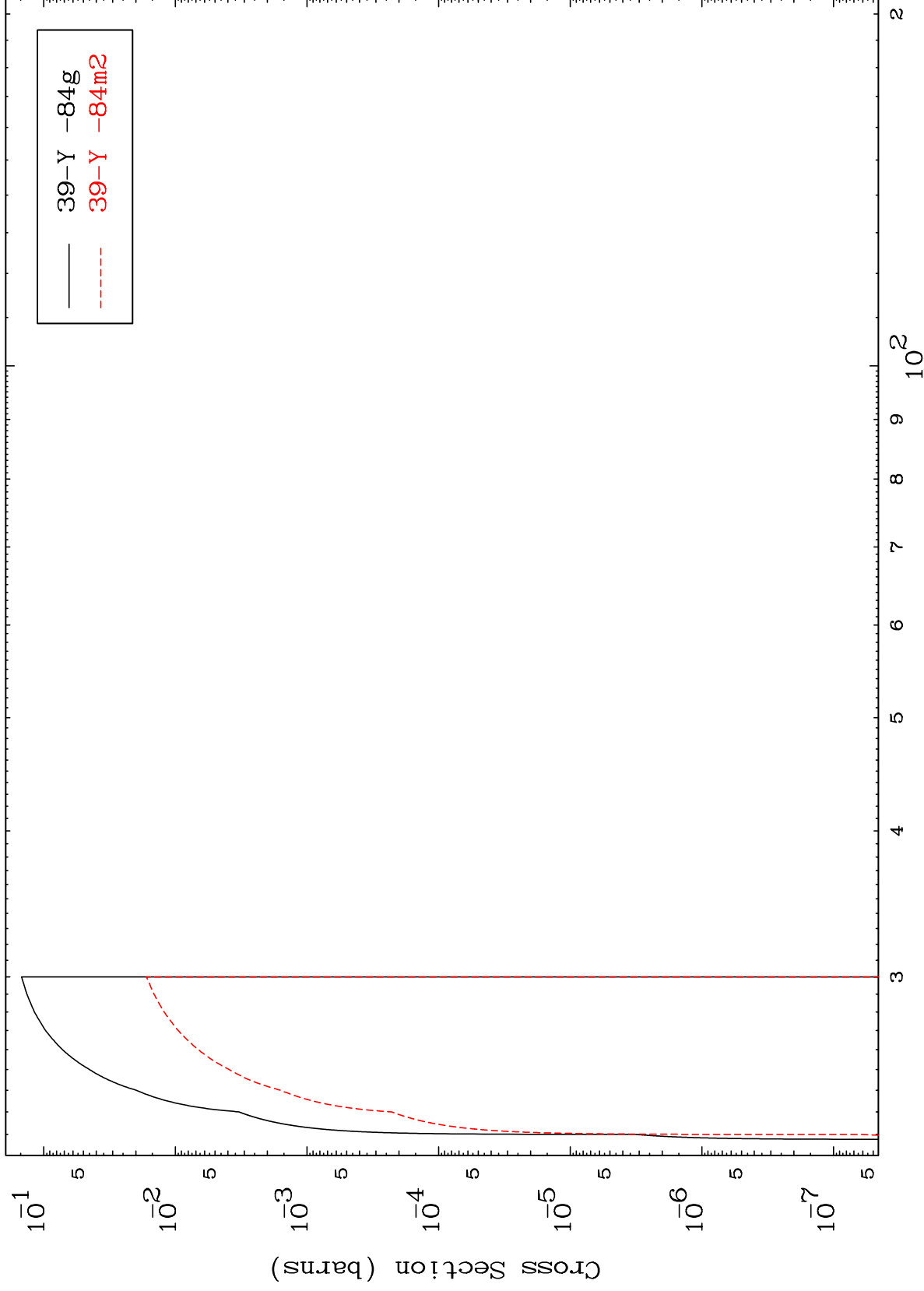


39-Y -86

Incident Energy (MeV)

125

Radionuclide Production Cross Section  
(n,3n)

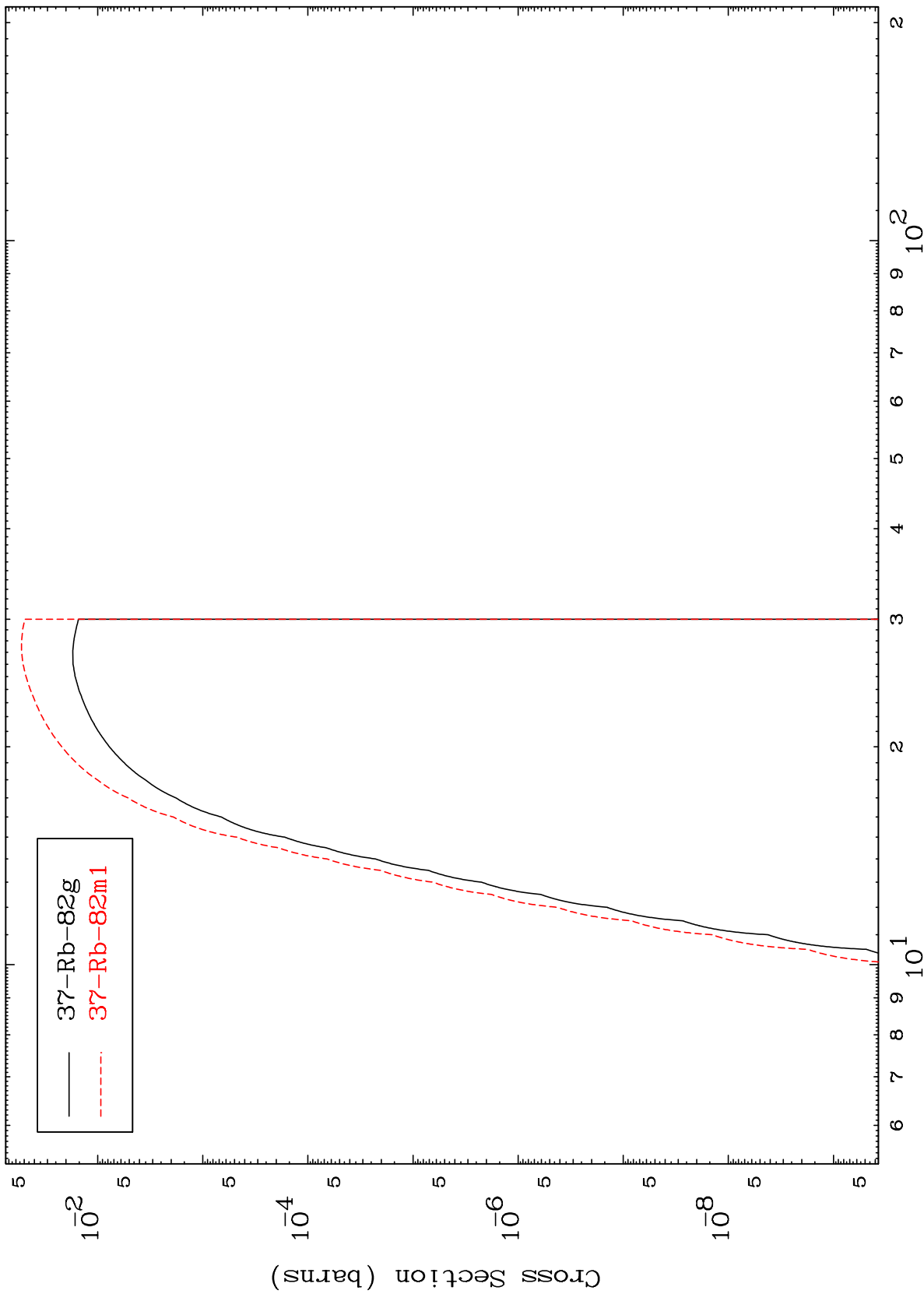


MAT 3916

39-Y -86

(n,n')  $\alpha$

Radionuclide Production Cross Section

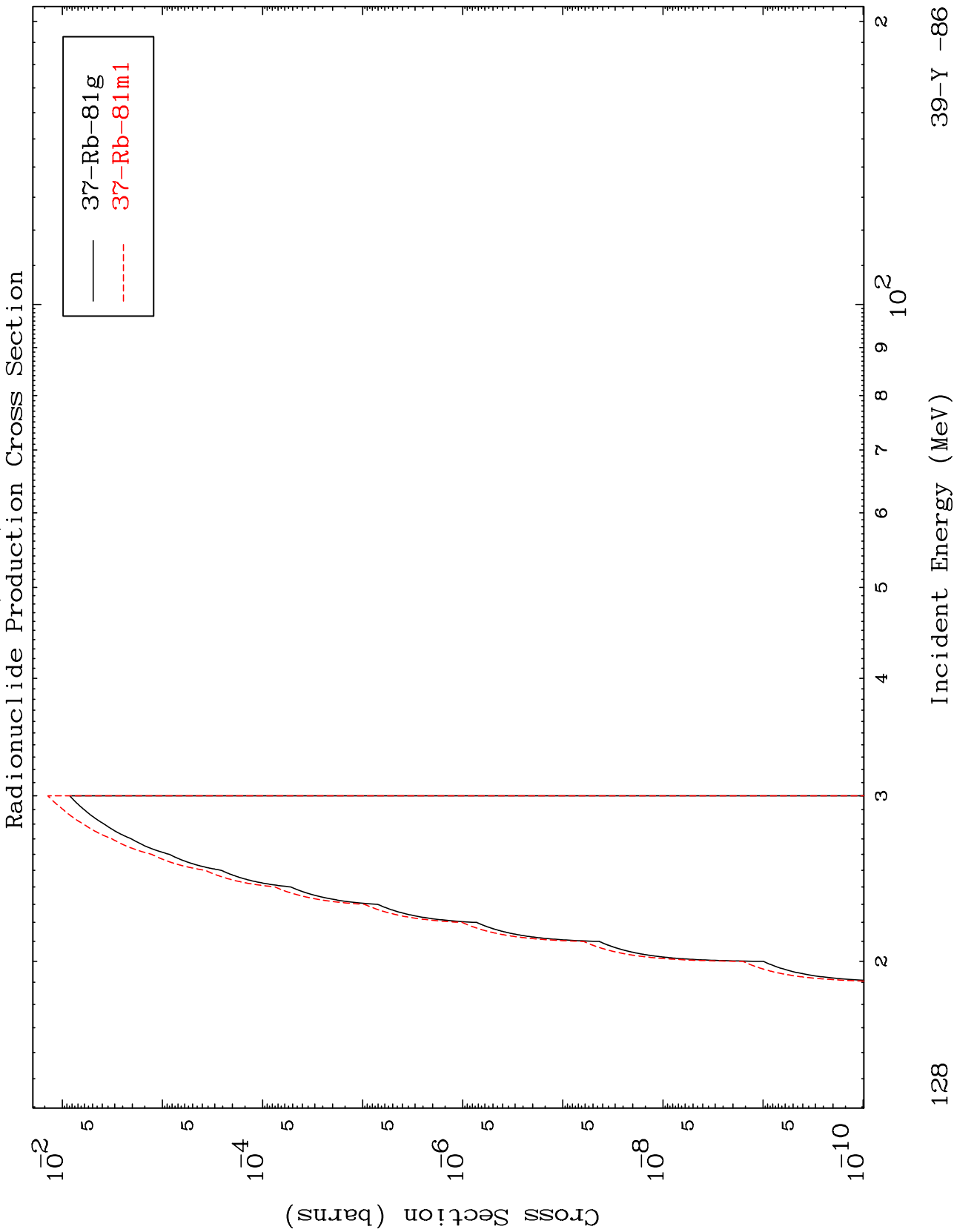


127

Incident Energy (MeV)

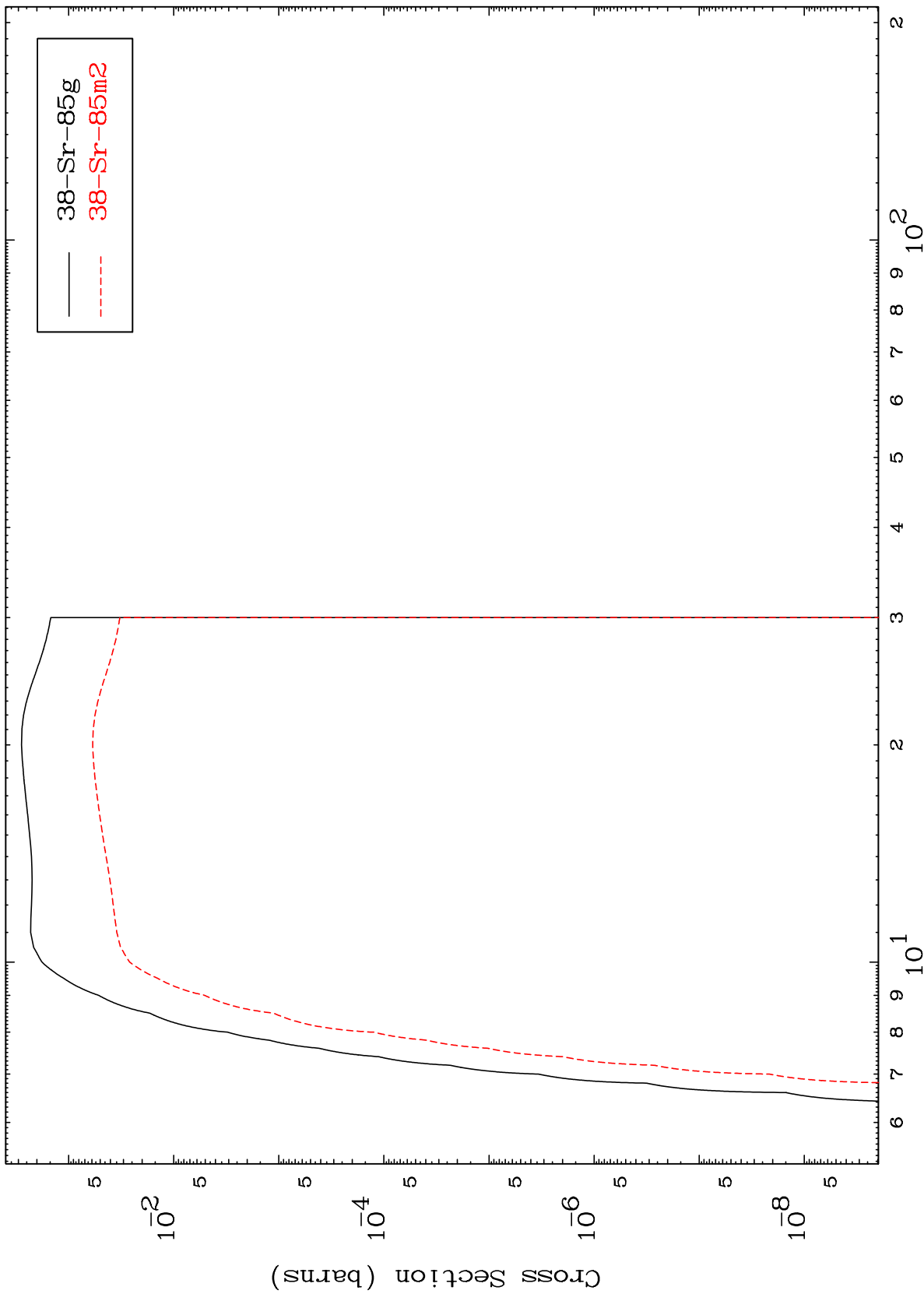
39-Y -86

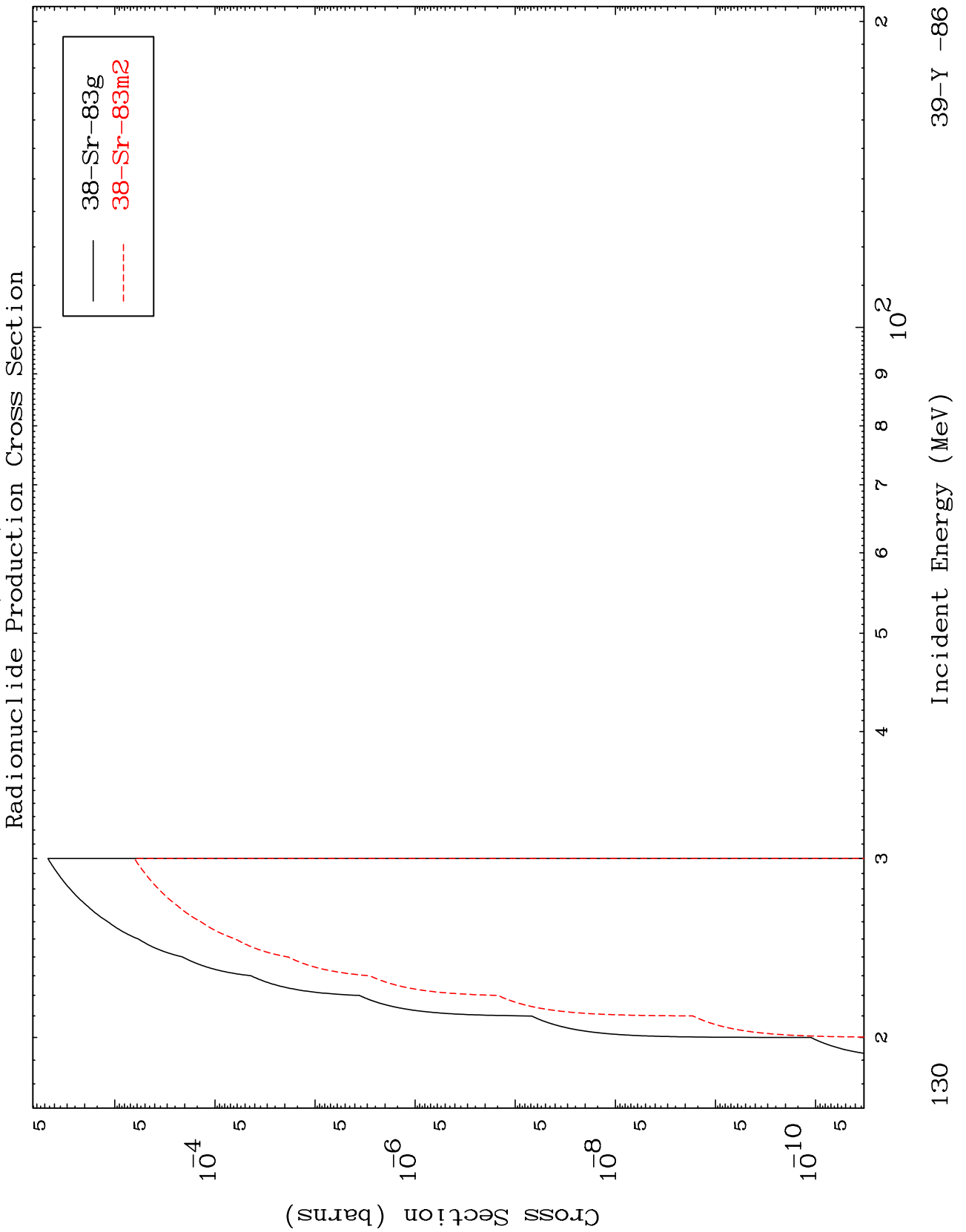




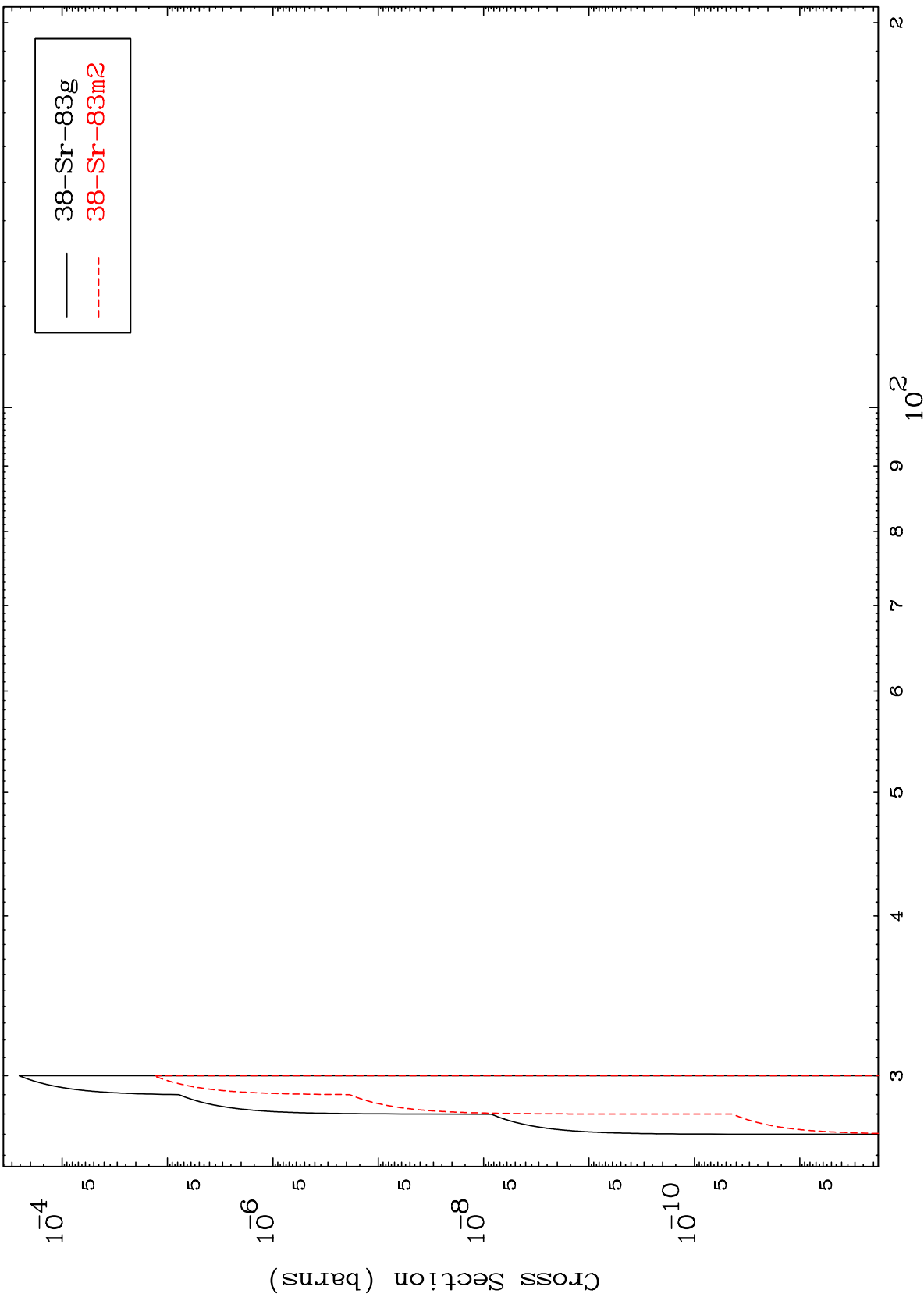
(n,n') p

Radionuclide Production Cross Section

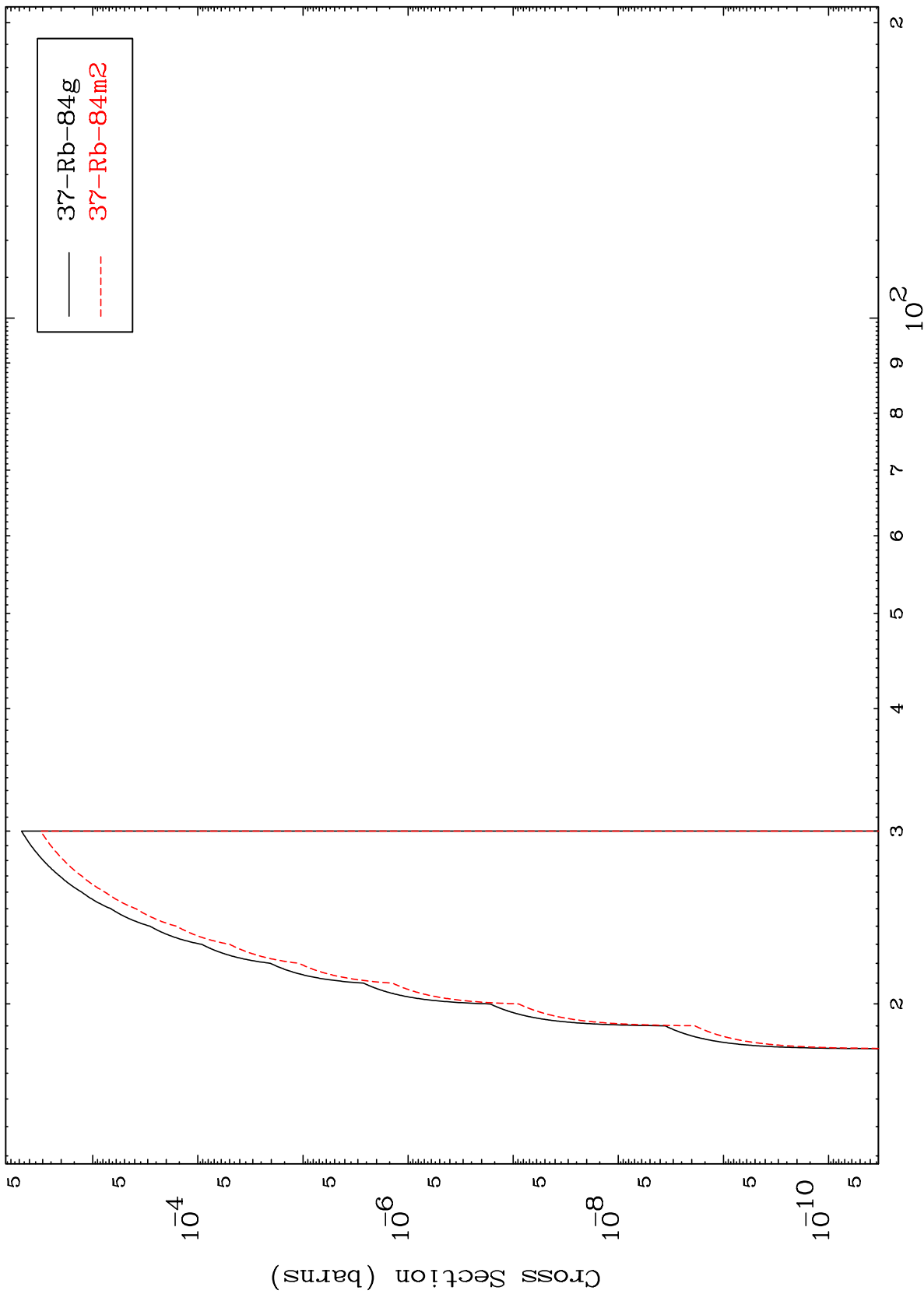




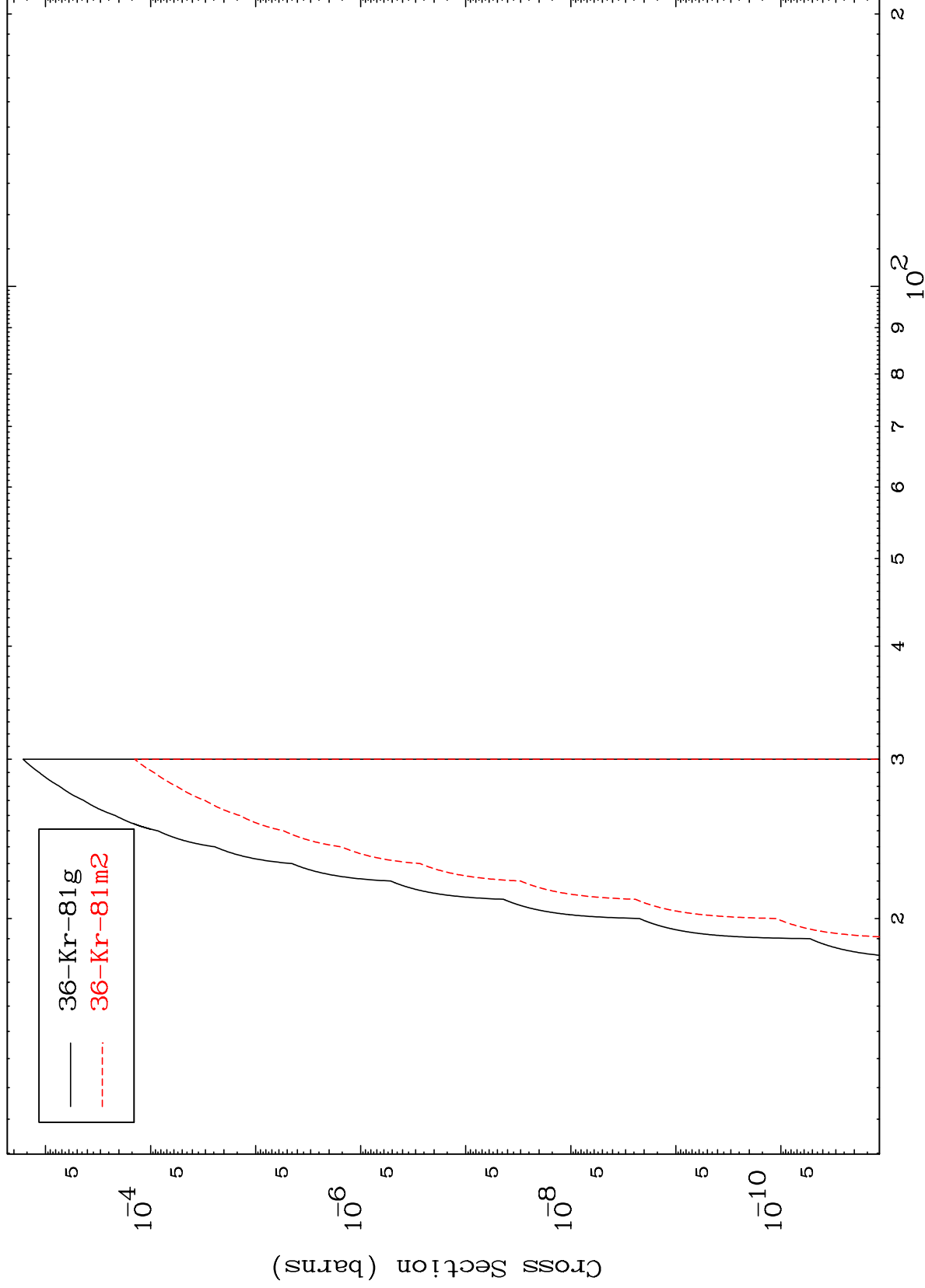
Radionuclide Production Cross Section



(n,2n) p  
Radionuclide Production Cross Section

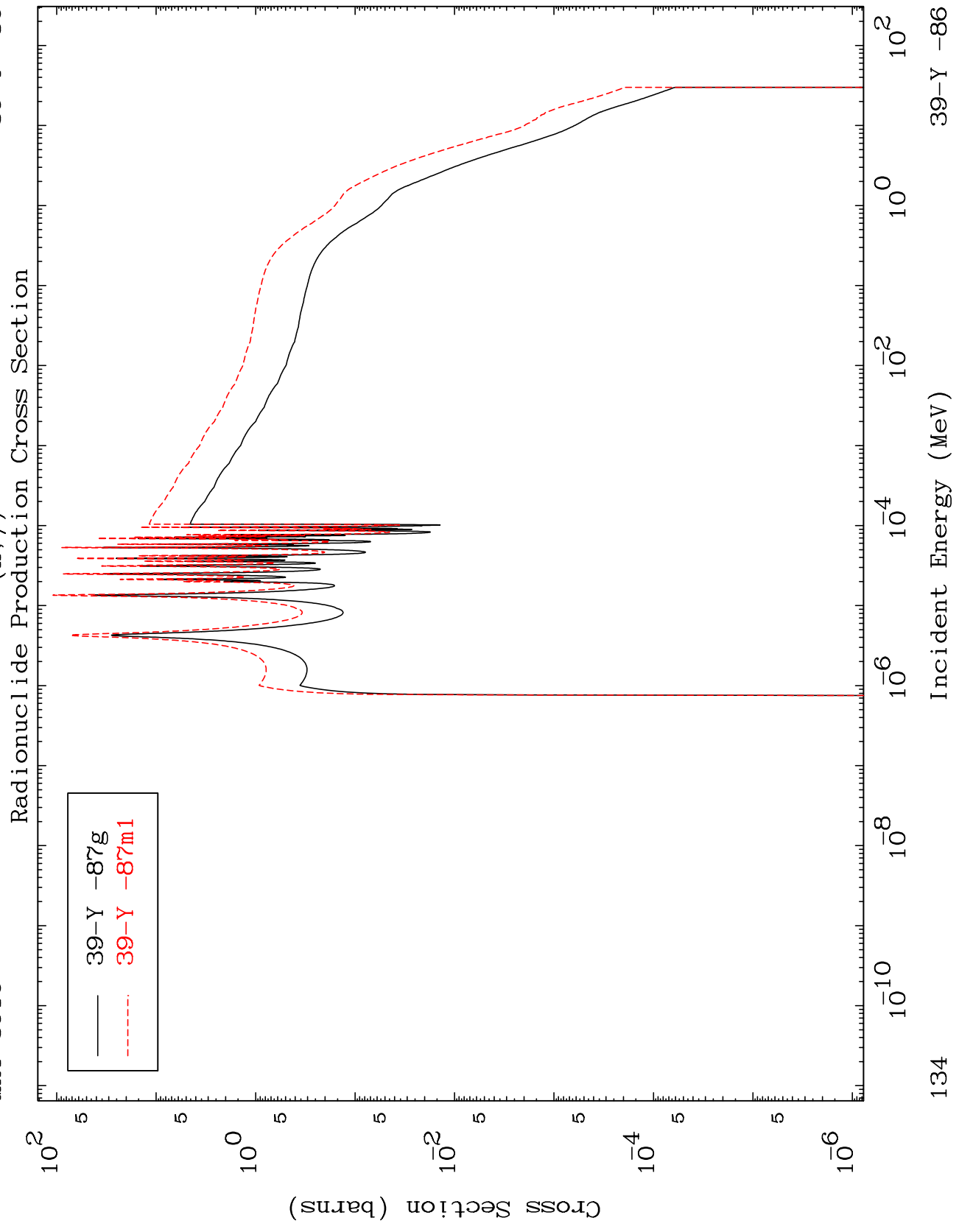


Radionuclide Production Cross Section

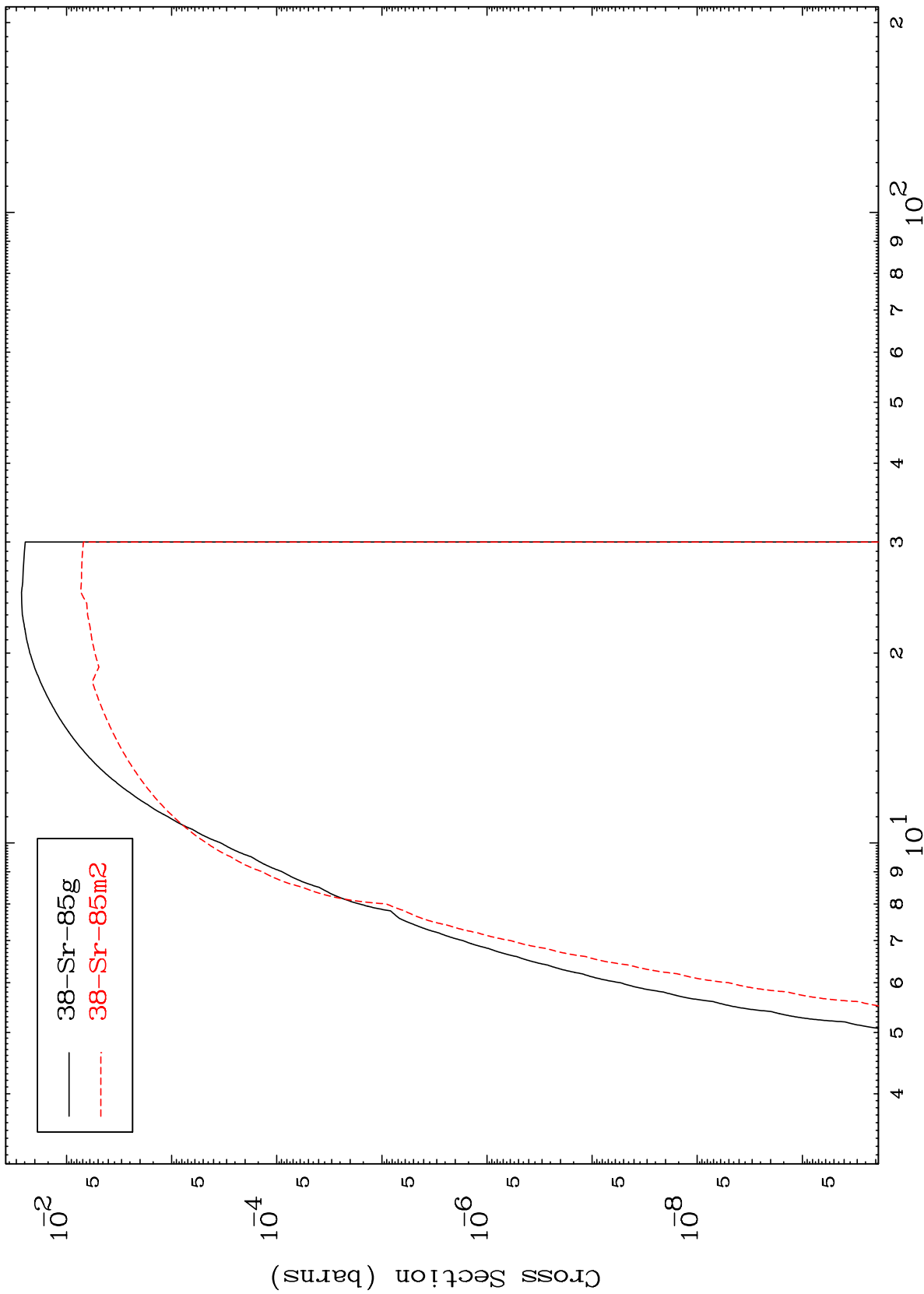


MAT 3916

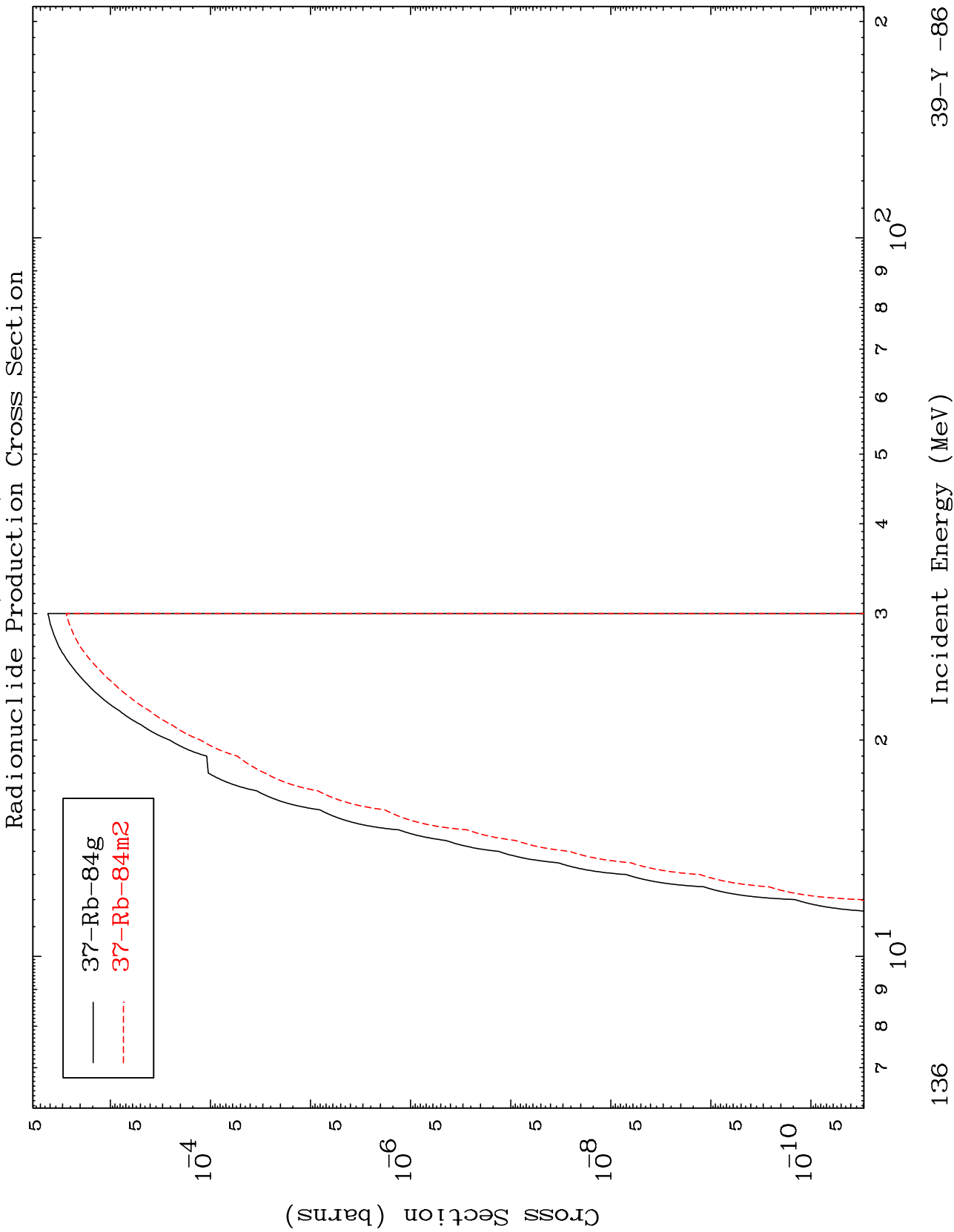
39-Y -86



(n,d)  
Radionuclide Production Cross Section





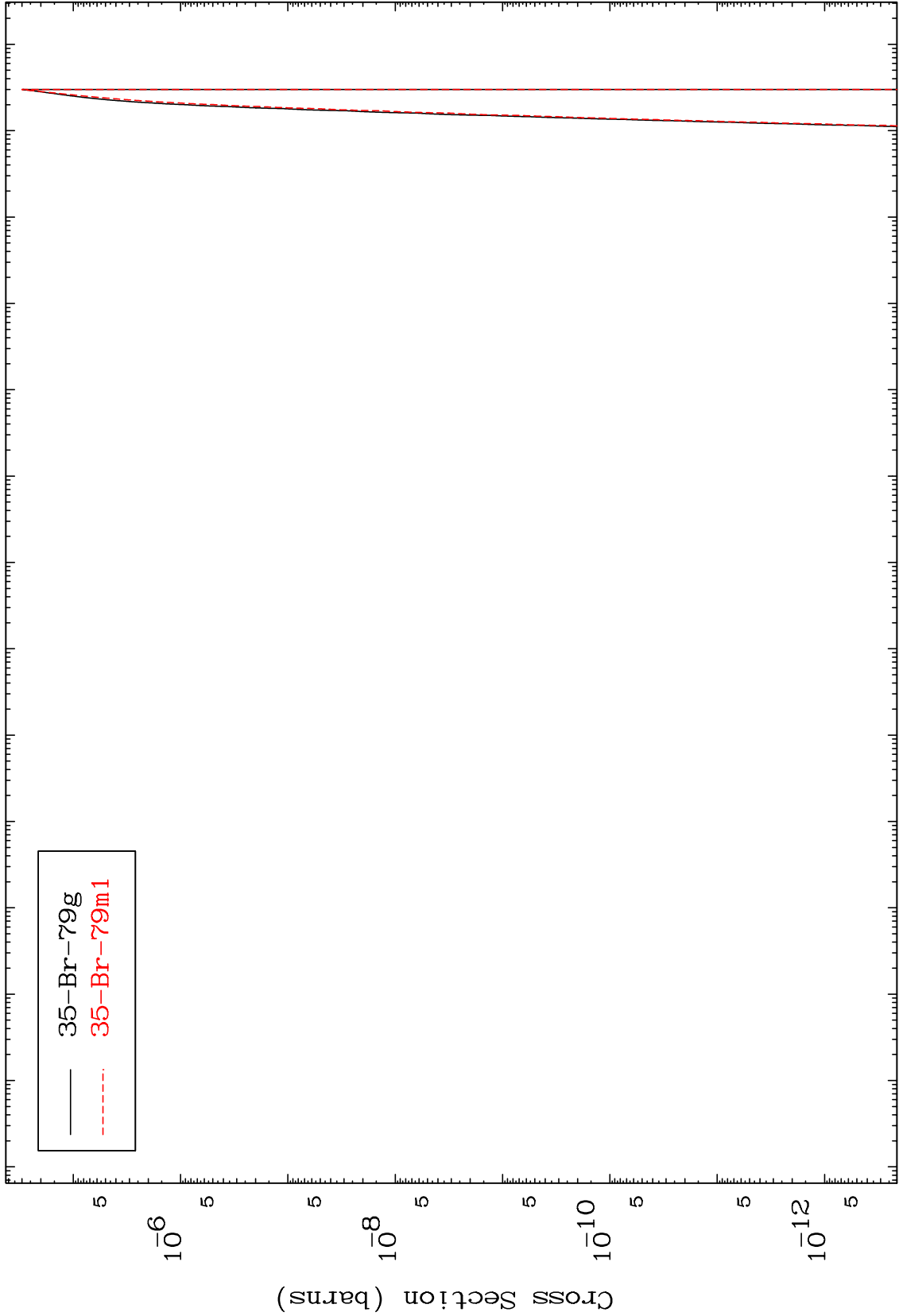


MAT 3916

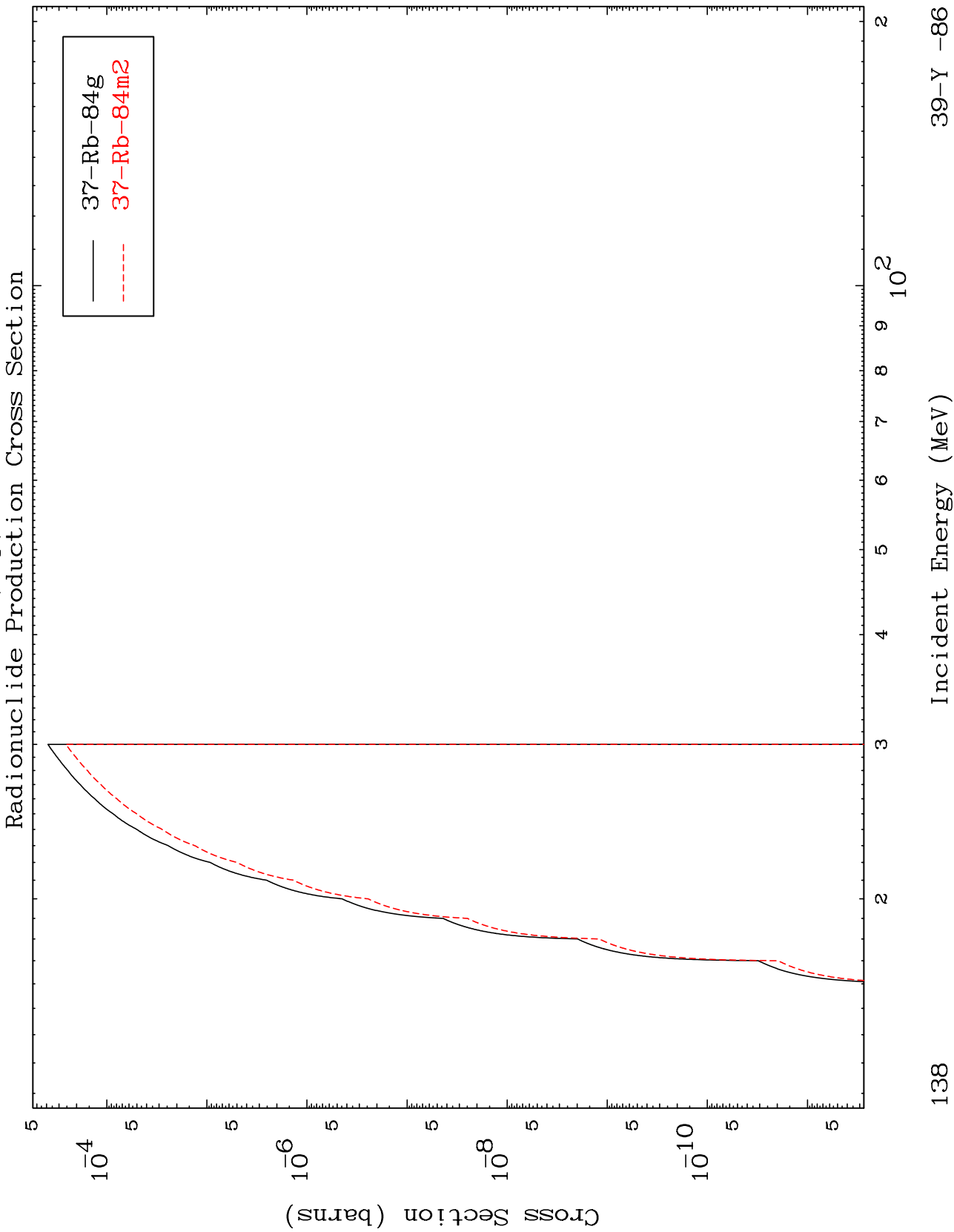
(n,2α)

39-Y -86

Radionuclide Production Cross Section



39-Y -86

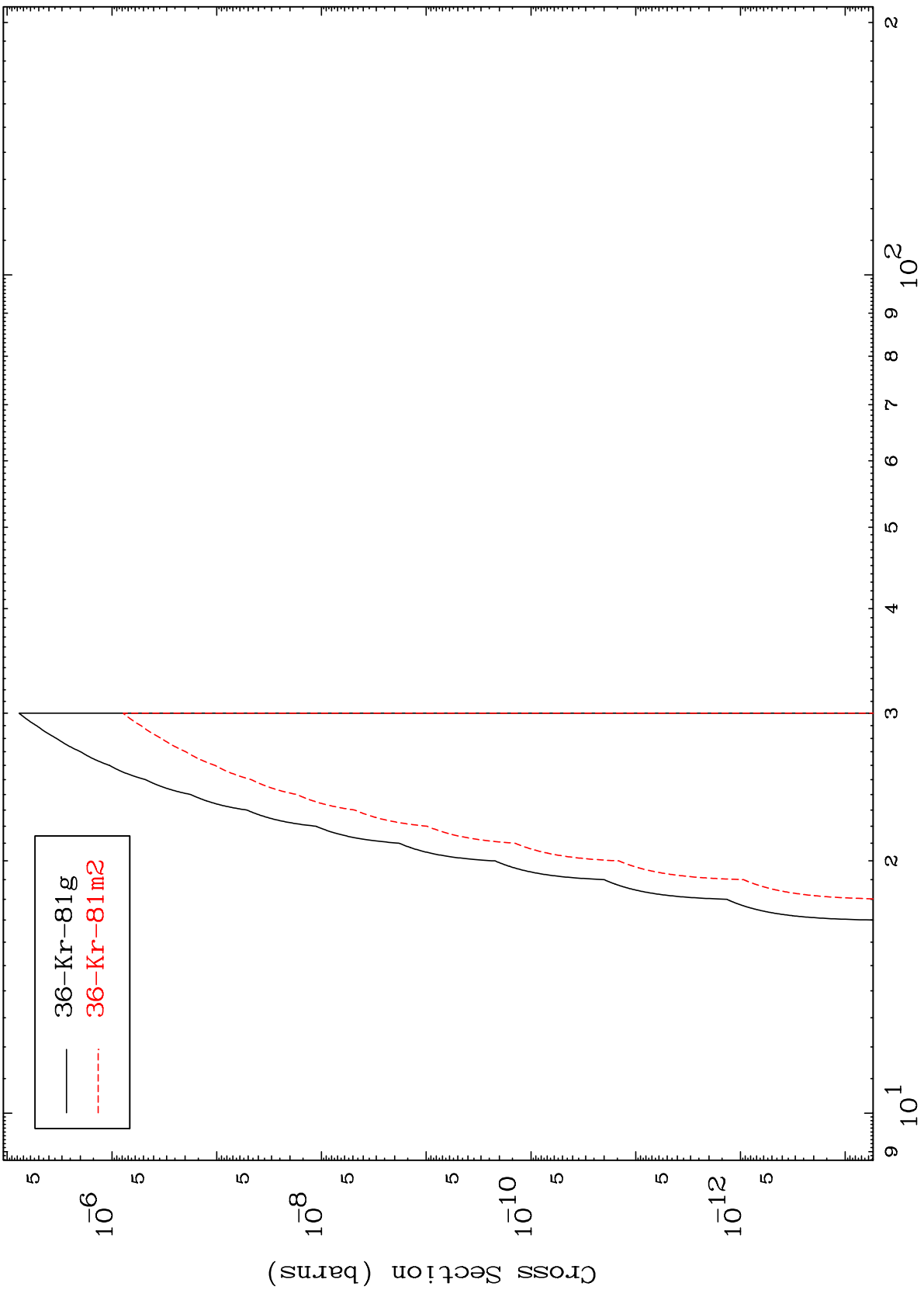


MAT 3916

(n,d)  $\alpha$

39-Y -86

Radionuclide Production Cross Section



— 36-Kr-81g  
- - - 36-Kr-81m2

Incident Energy (MeV)

39-Y -86

139