

Program EVALPLOT
(Version 2021-1)

by

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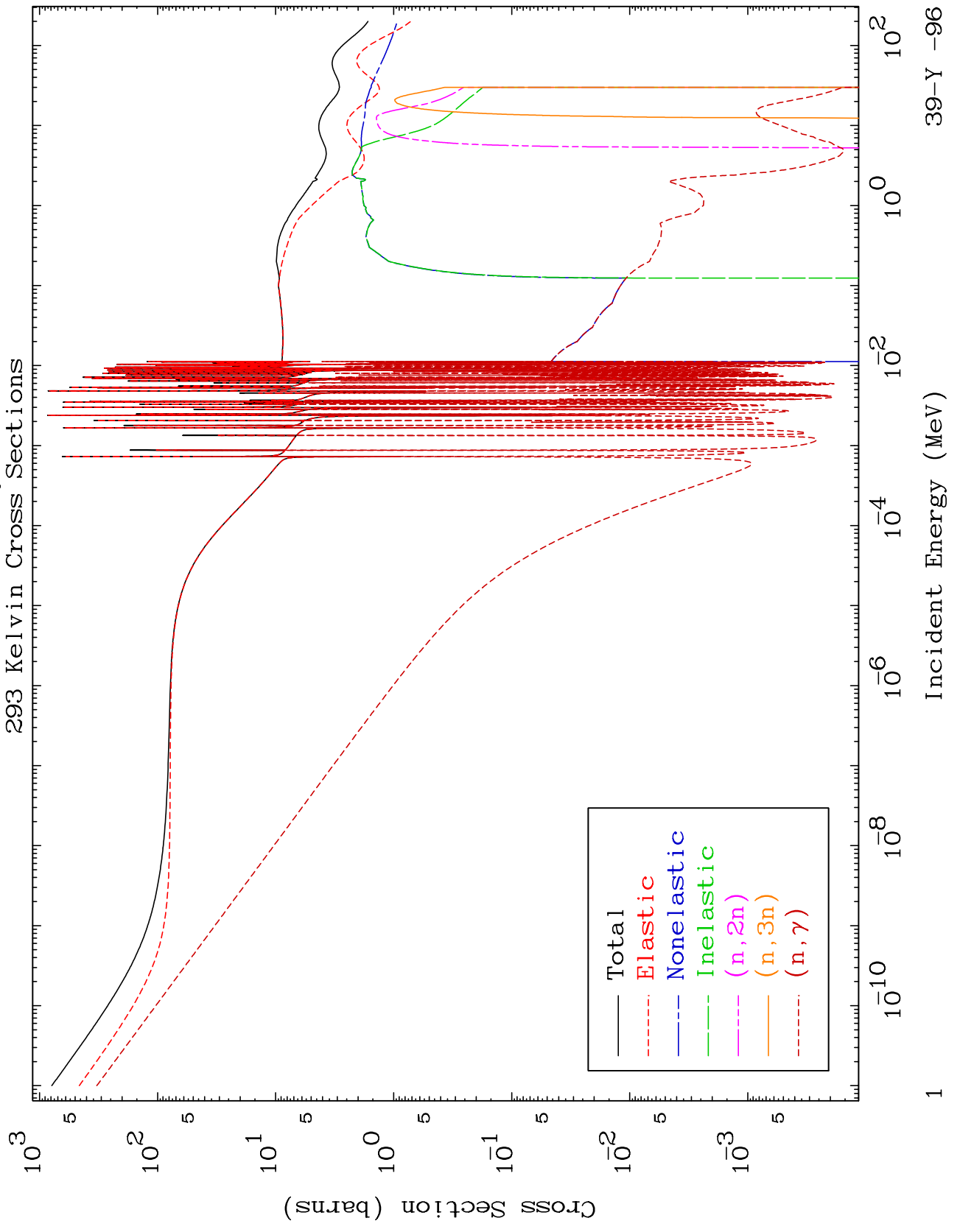
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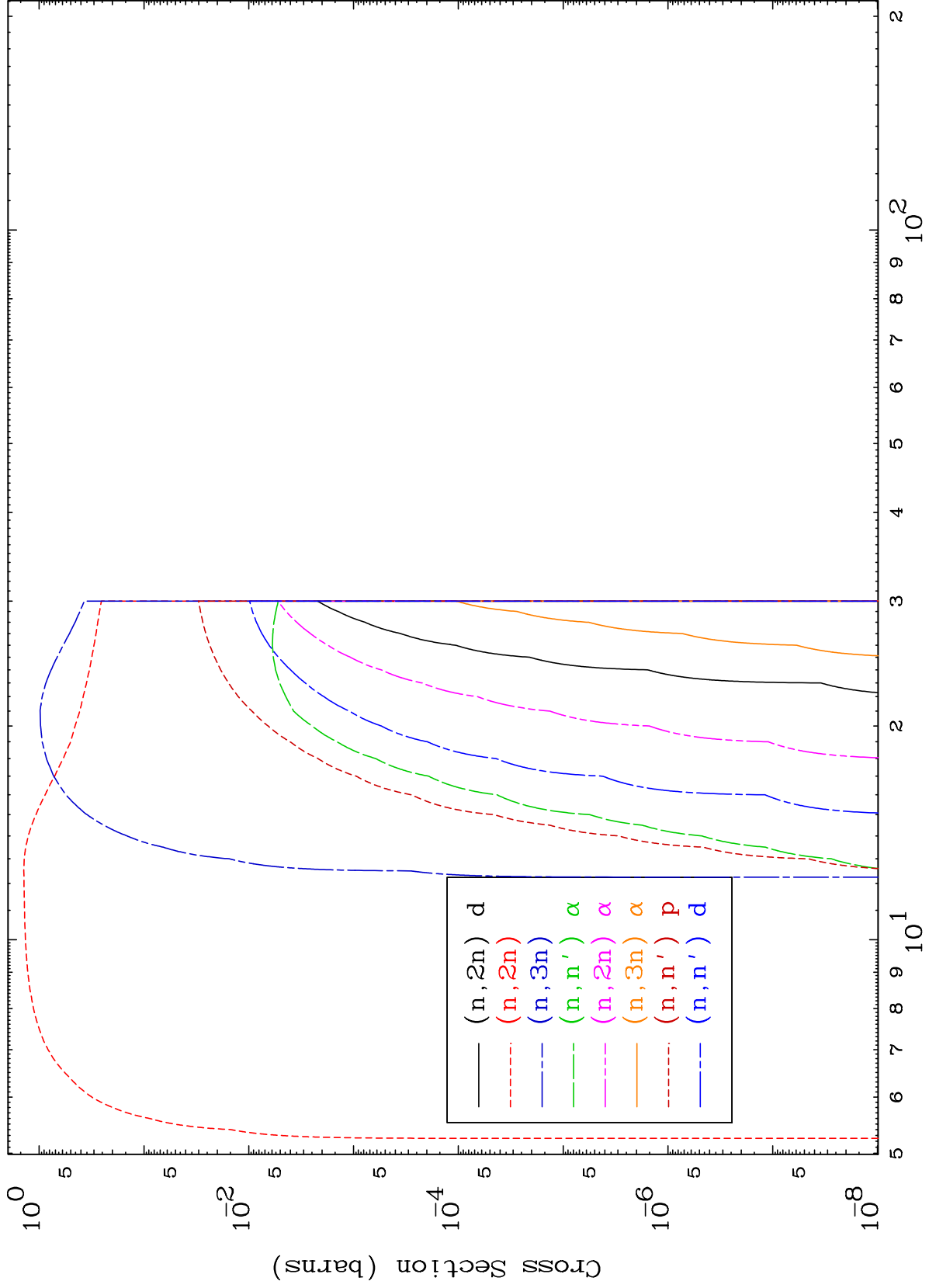
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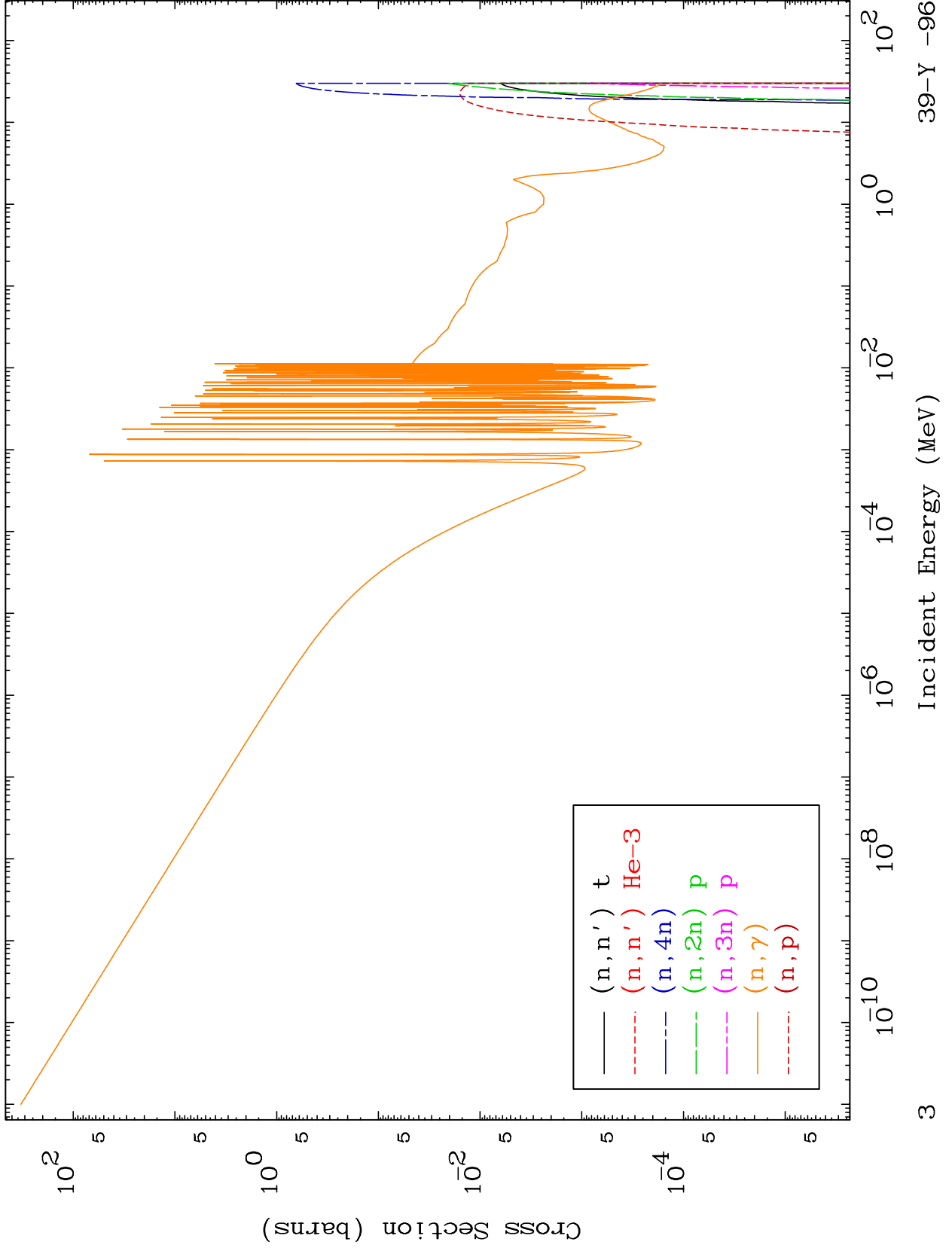
MAT 3946

Neutron Major
293 Kelvin Cross Sections

39-Y -96



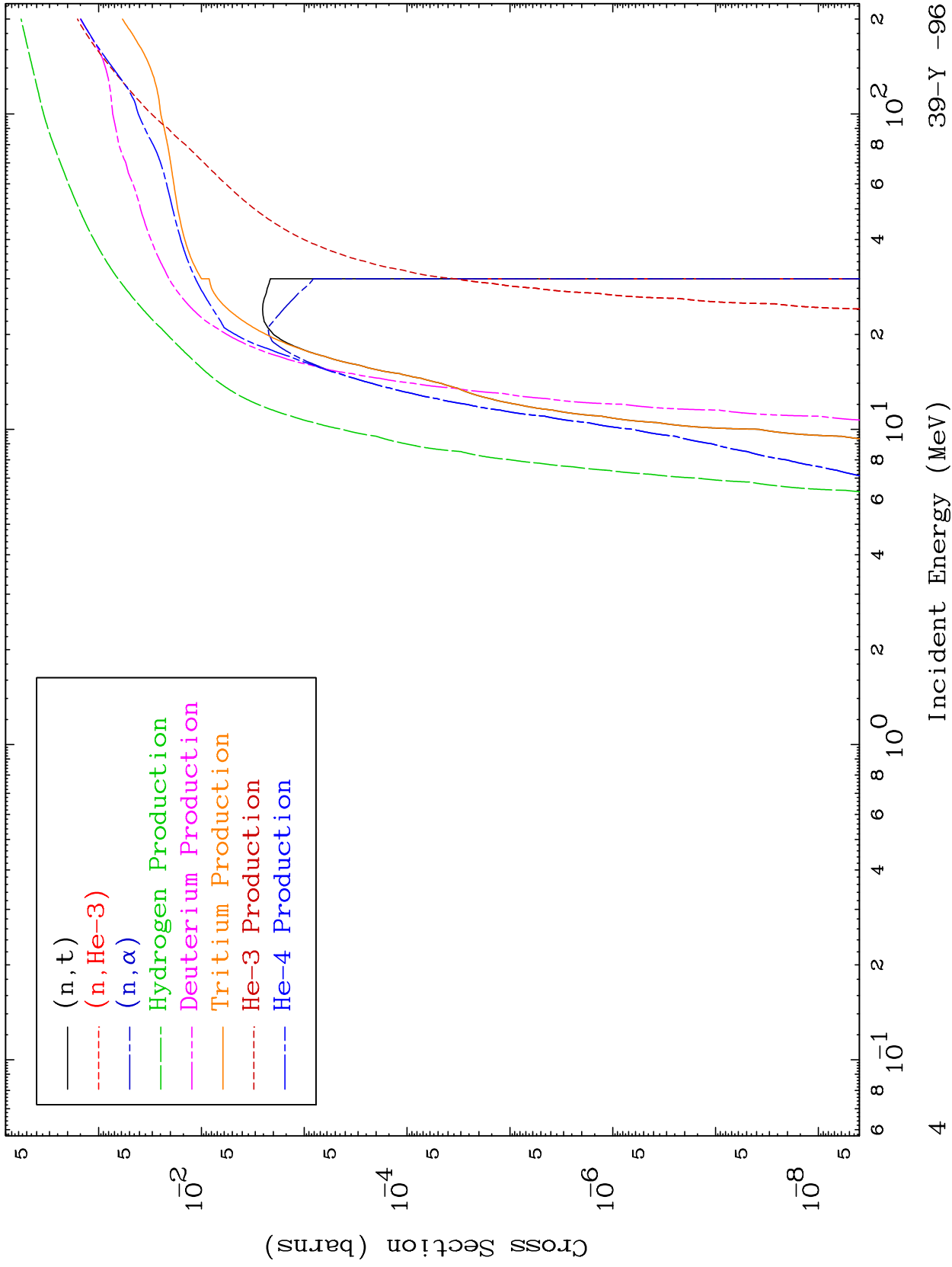




MAT 3946

Neutron Absorption
293 Kelvin Cross Sections

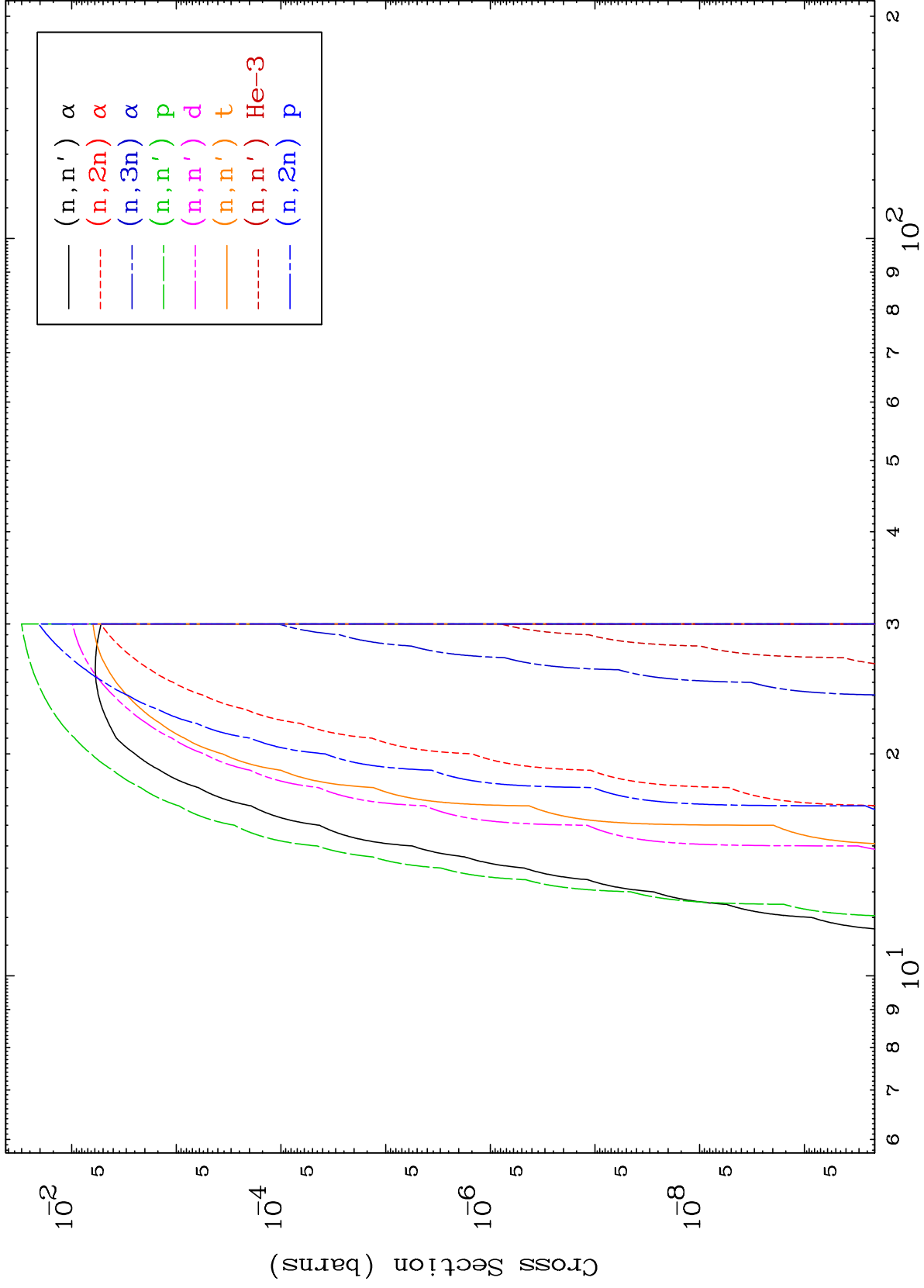
39-Y -96



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Incident Energy (MeV)

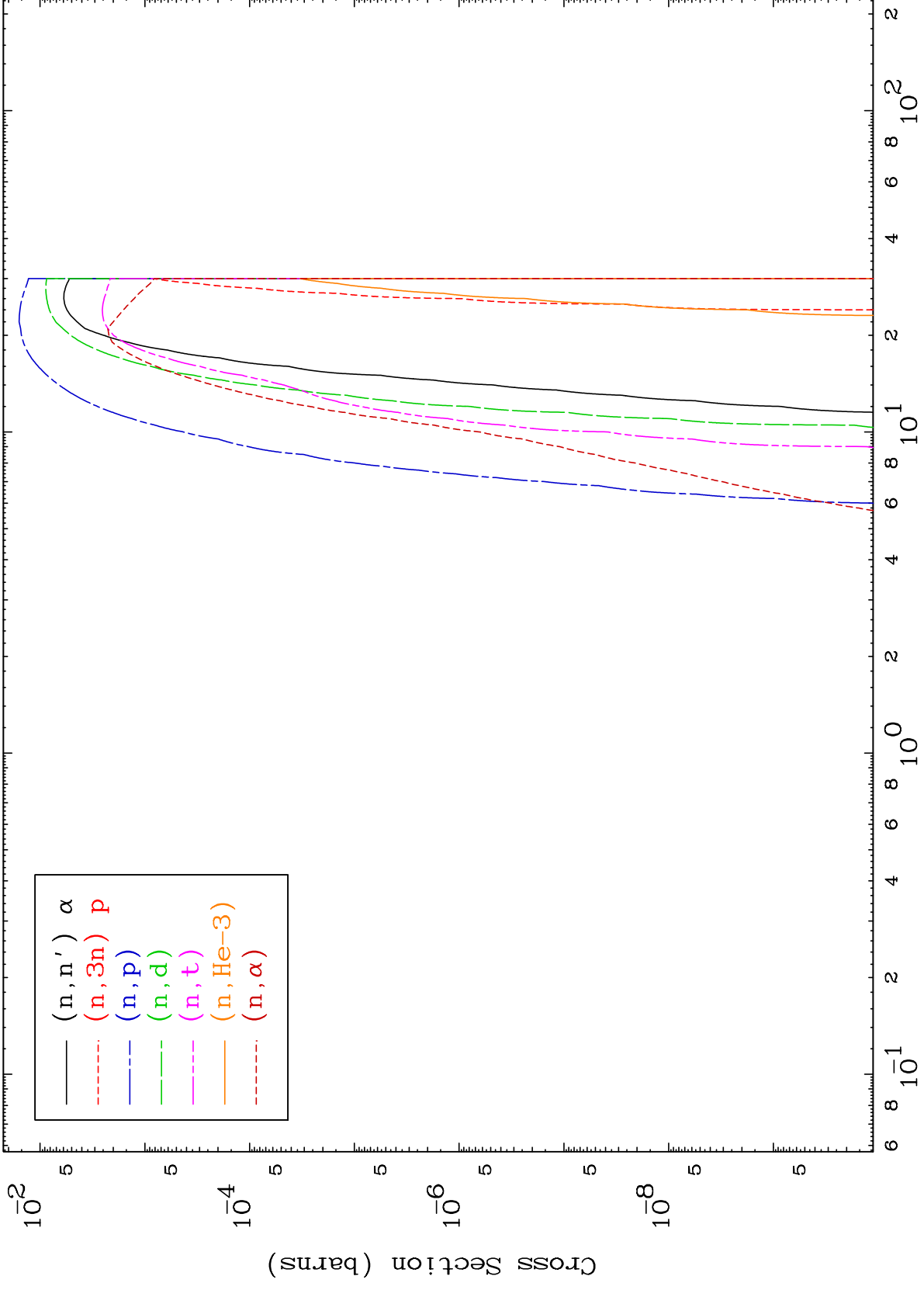
39-Y -96



MAT 3946

Charged Particle
293 Kelvin Cross Sections

39-Y -96



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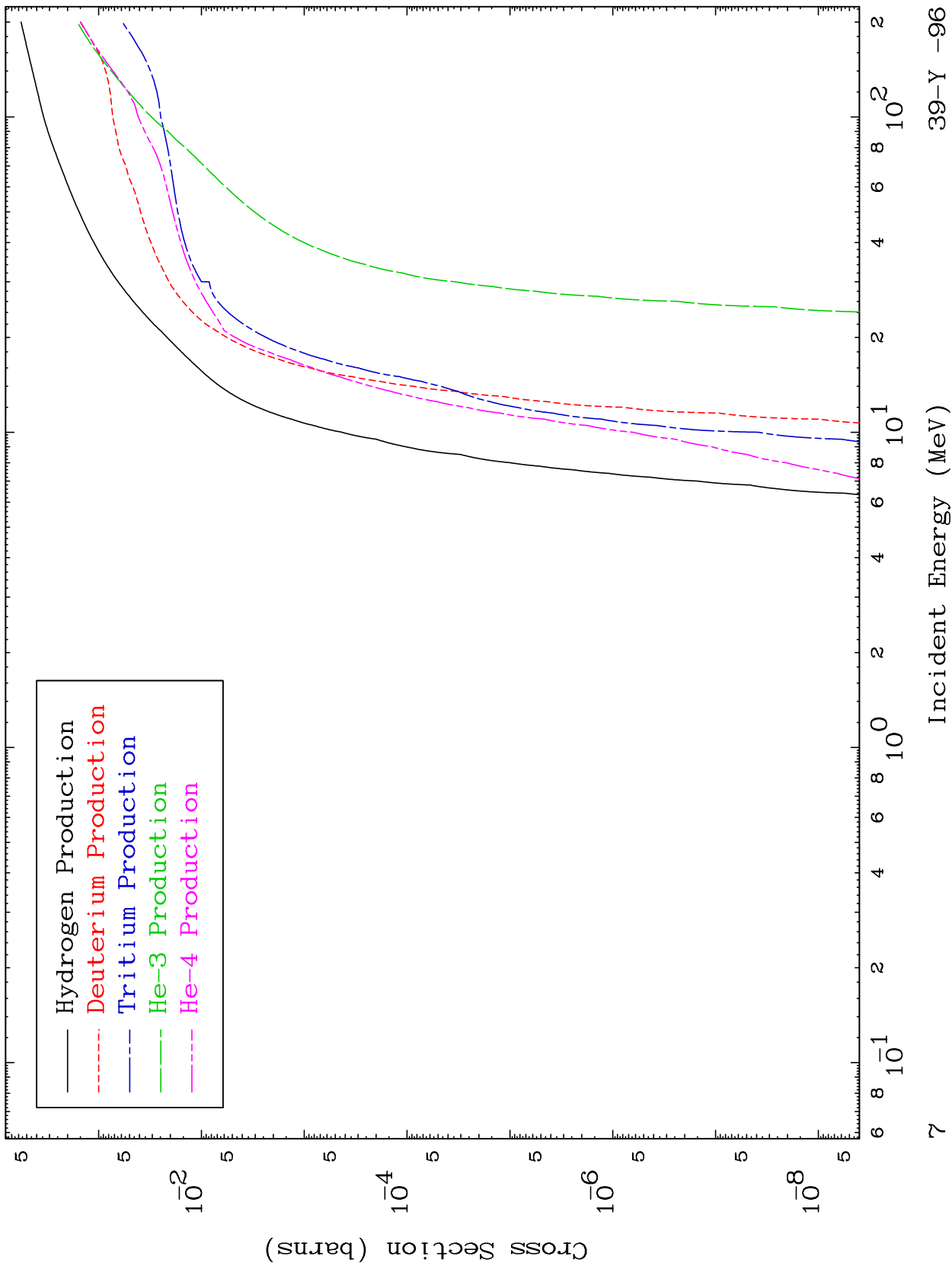
Incident Energy (MeV)

39-Y -96

MAT 3946

Particle Production
293 Kelvin Cross Sections

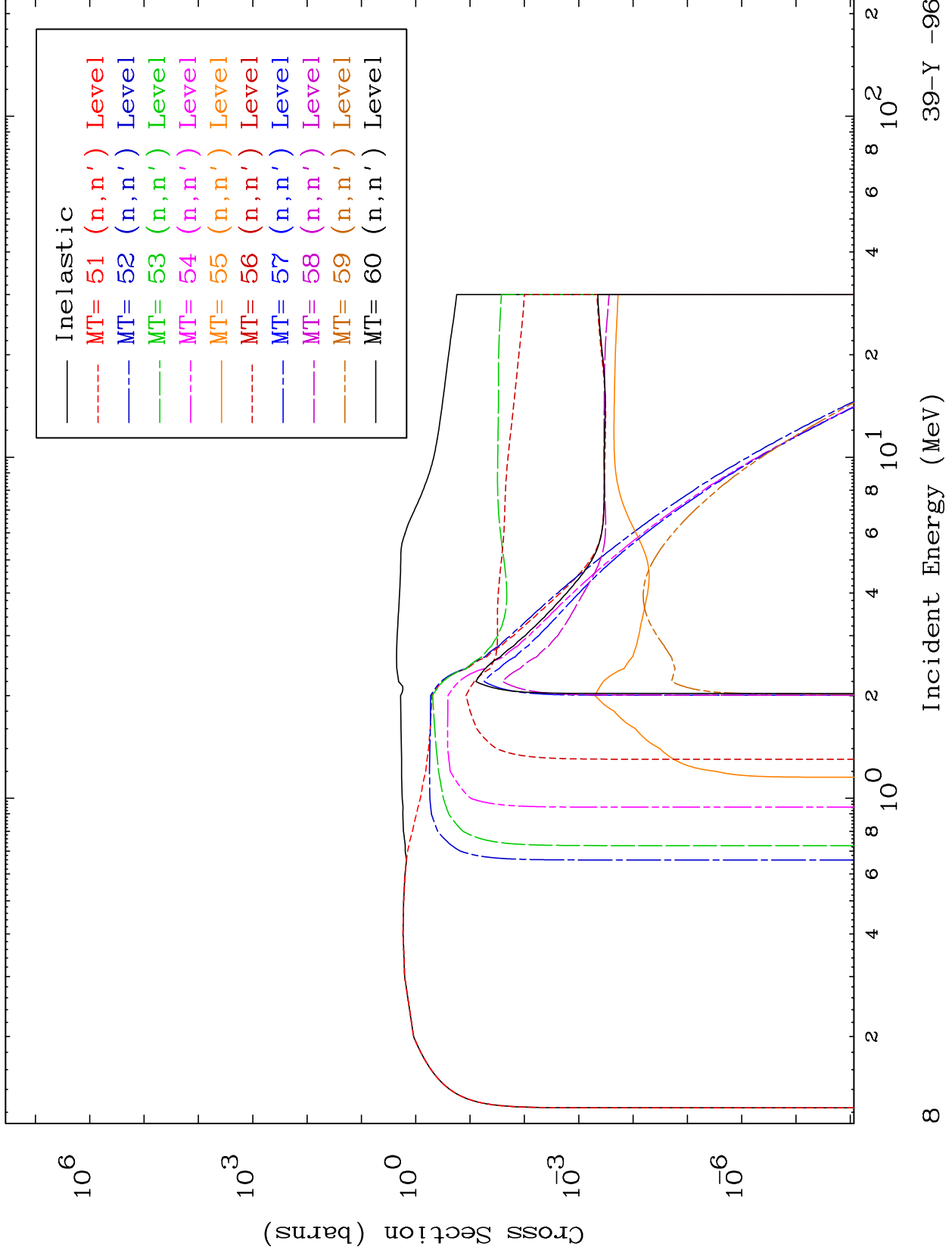
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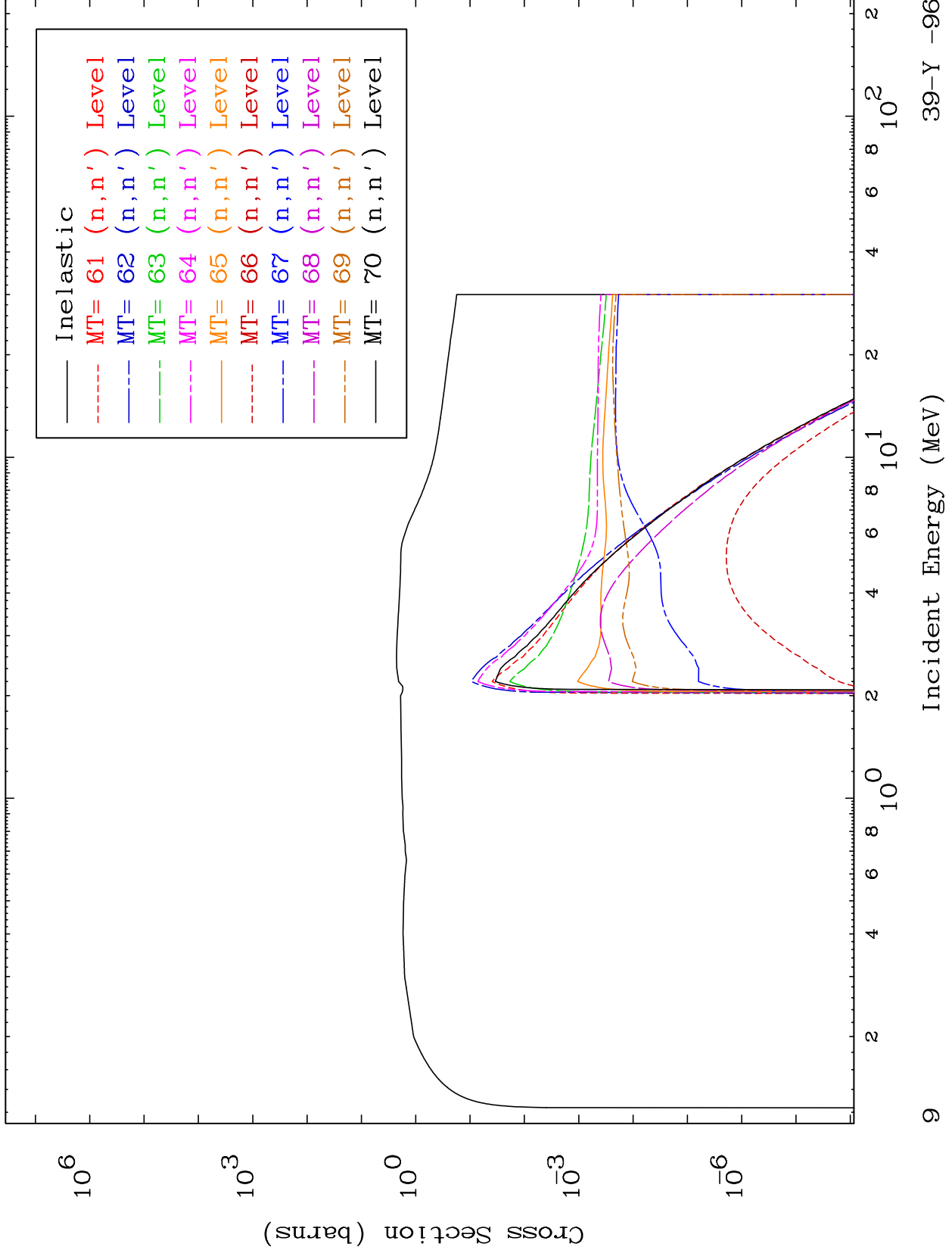


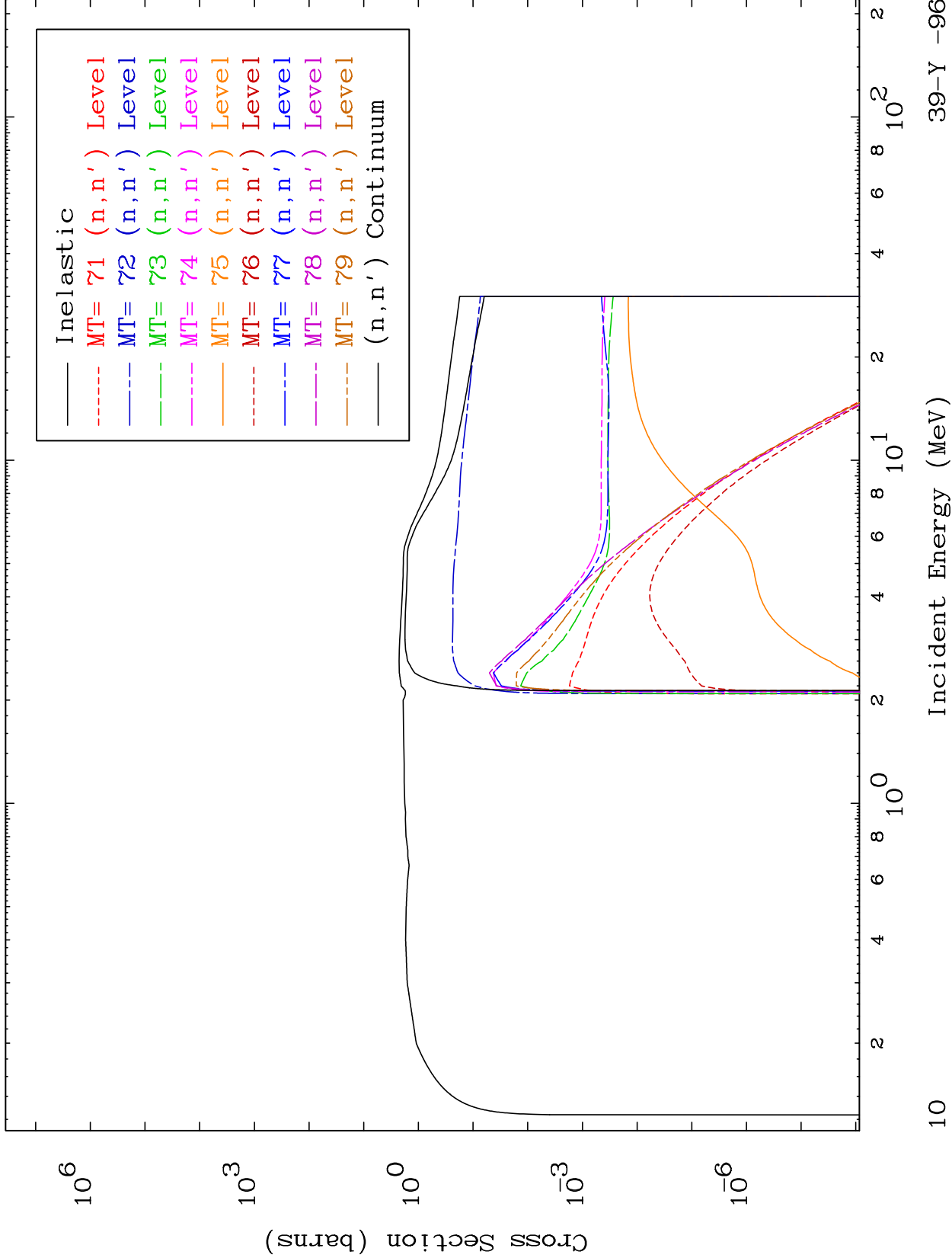
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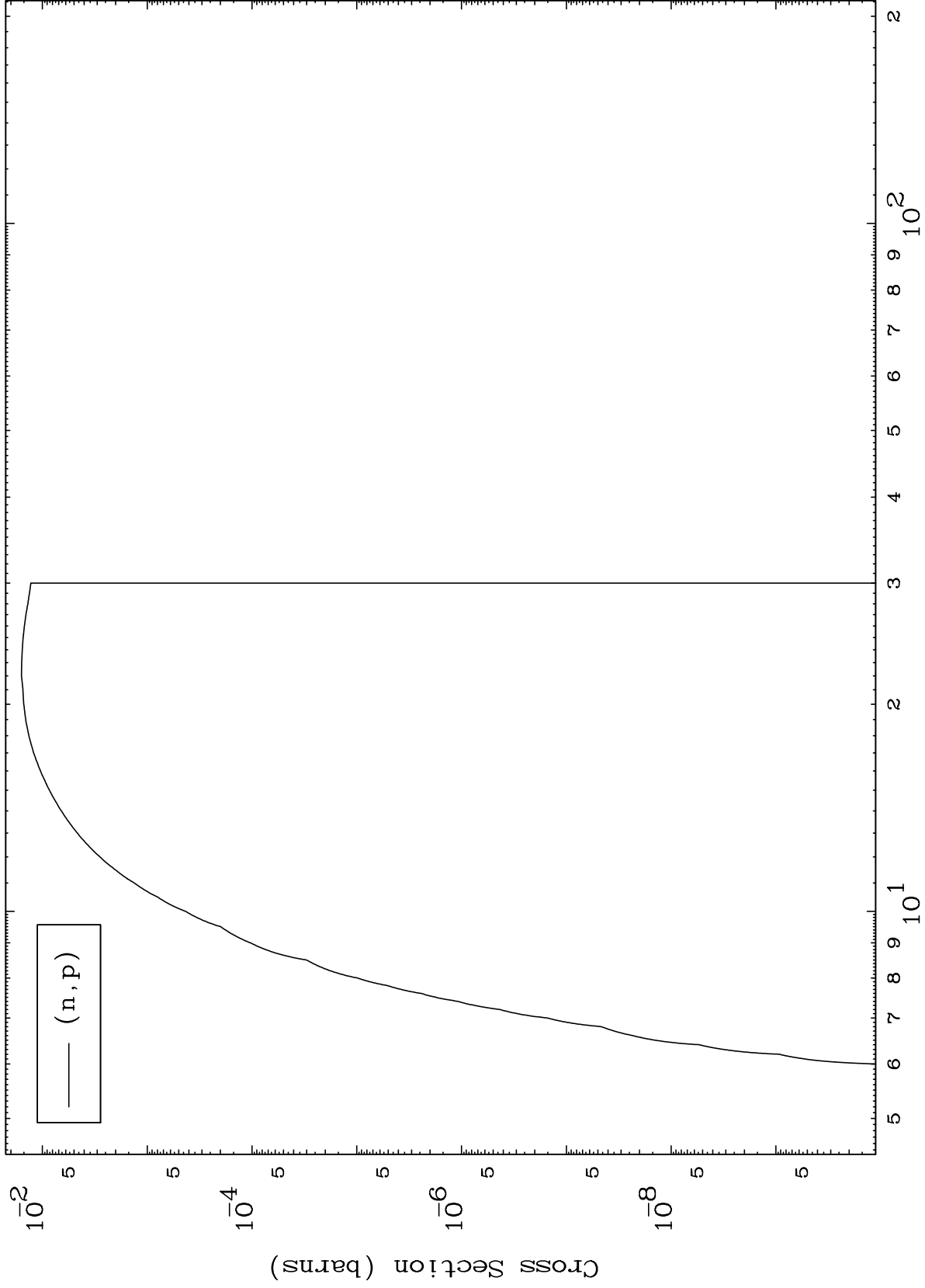
Incident Energy (MeV)

39-Y -96





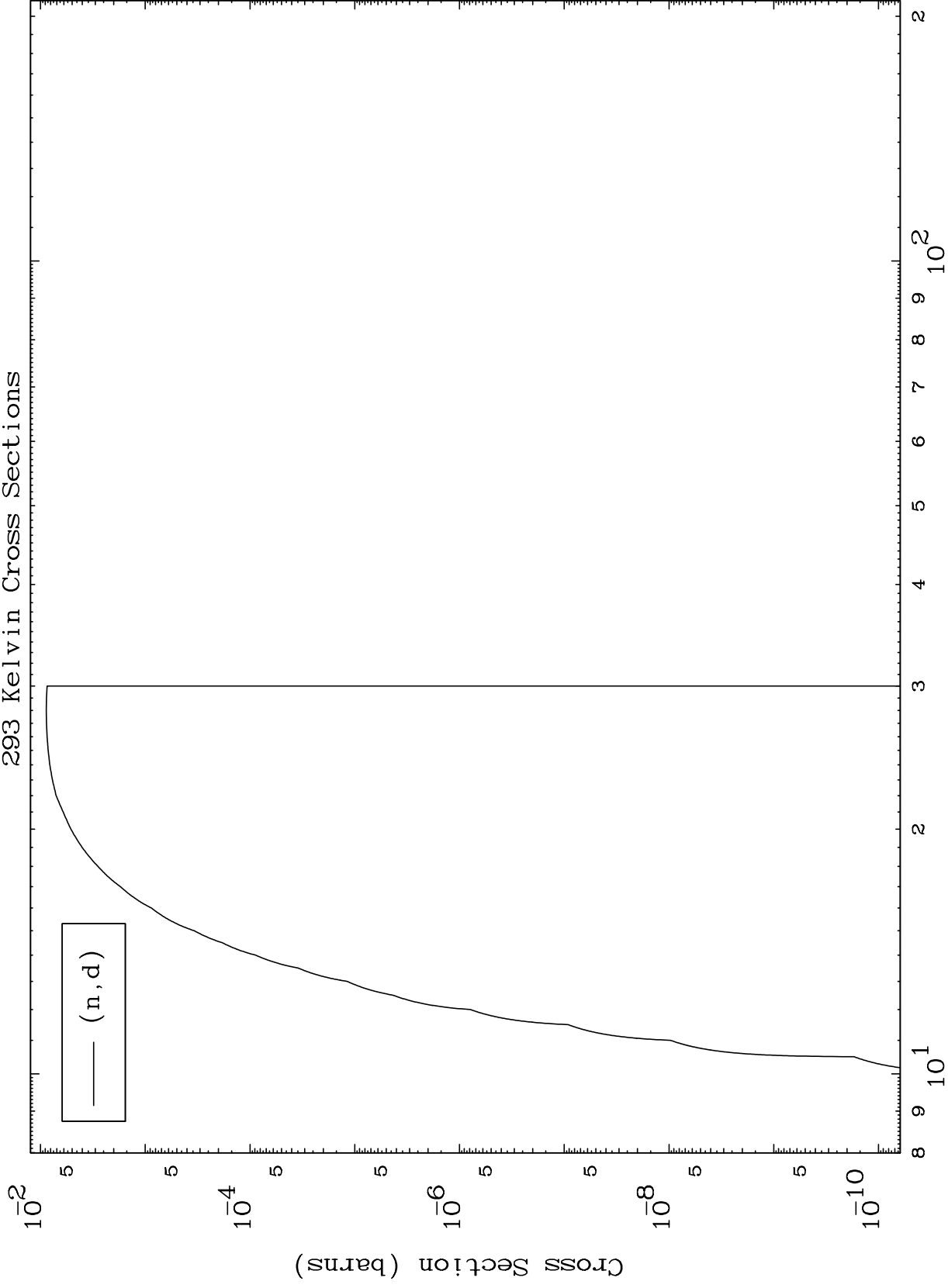




MAT 3946

(n,d) Levels
293 Kelvin Cross Sections

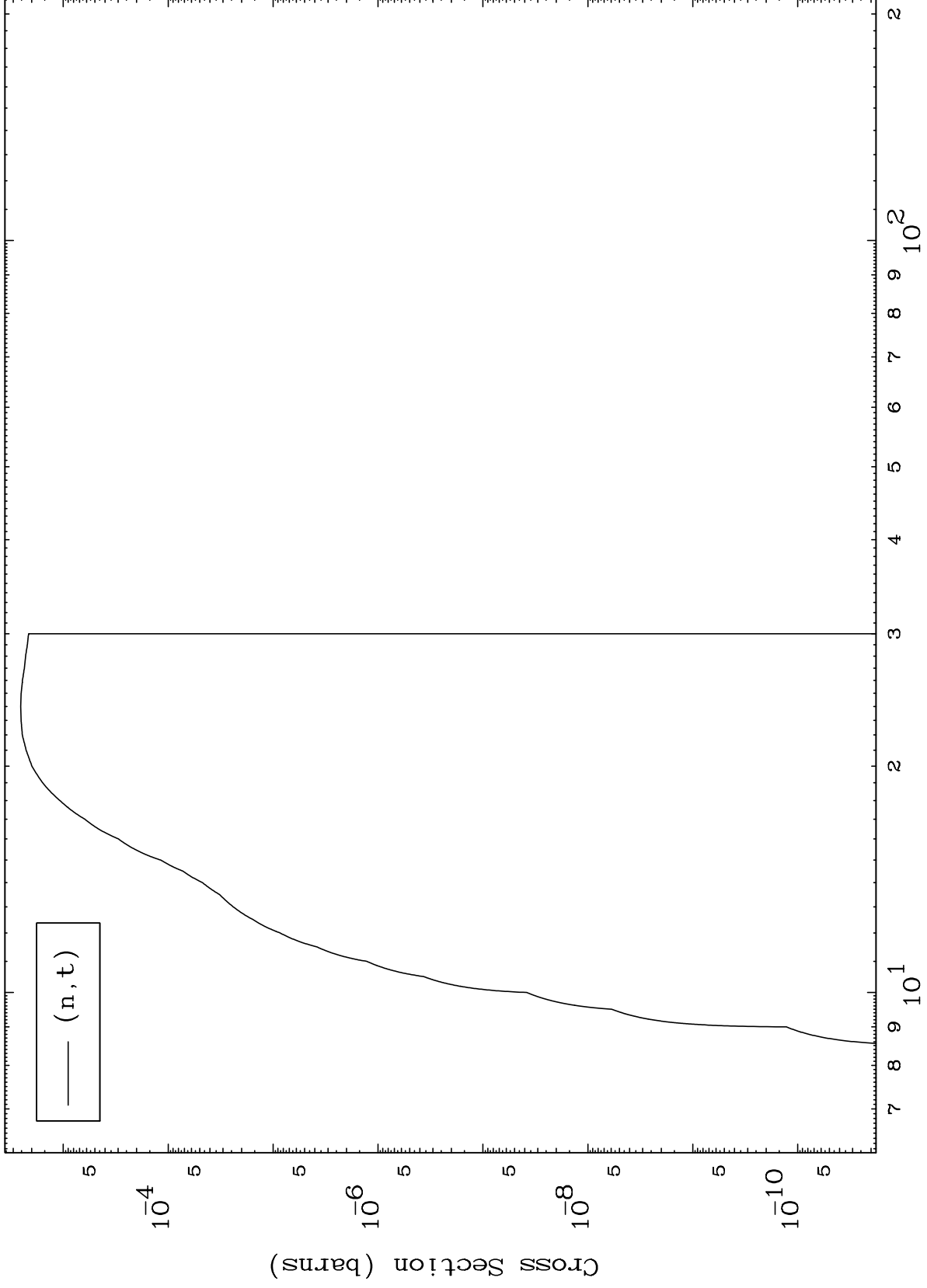
39-Y -96

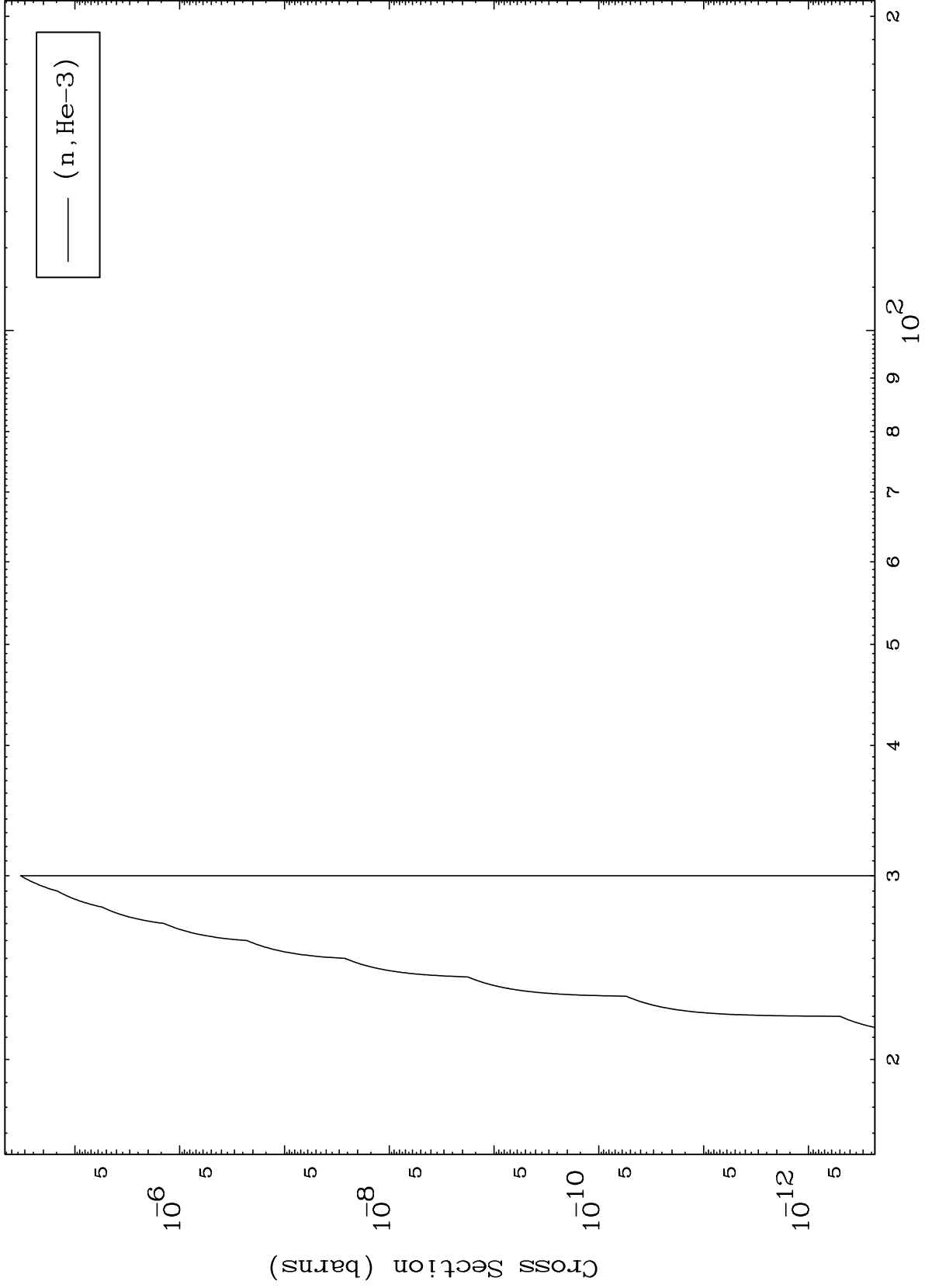


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Incident Energy (MeV)

39-Y -96

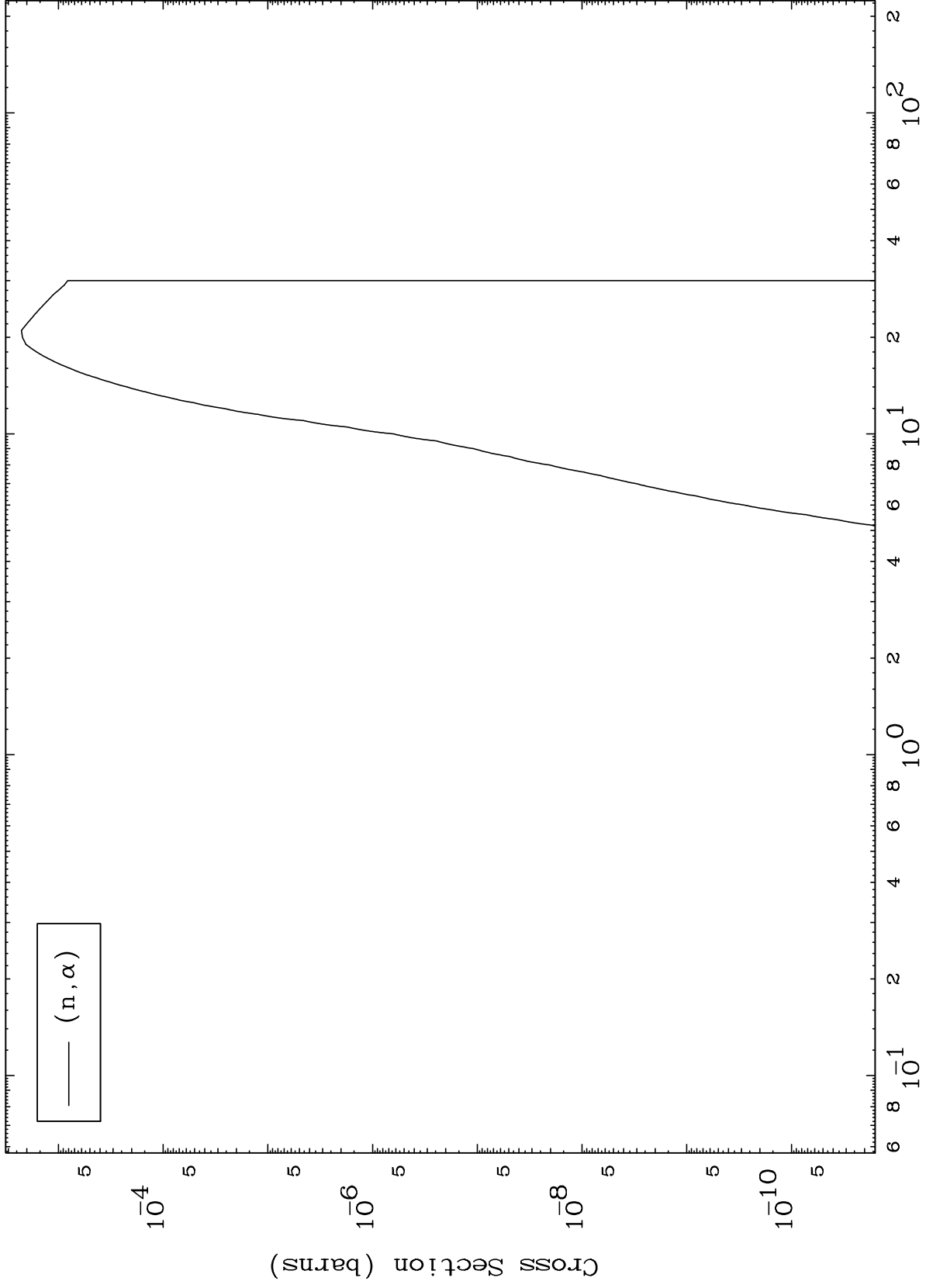




MAT 3946

(n, α) Levels
293 Kelvin Cross Sections

39-Y -96



15

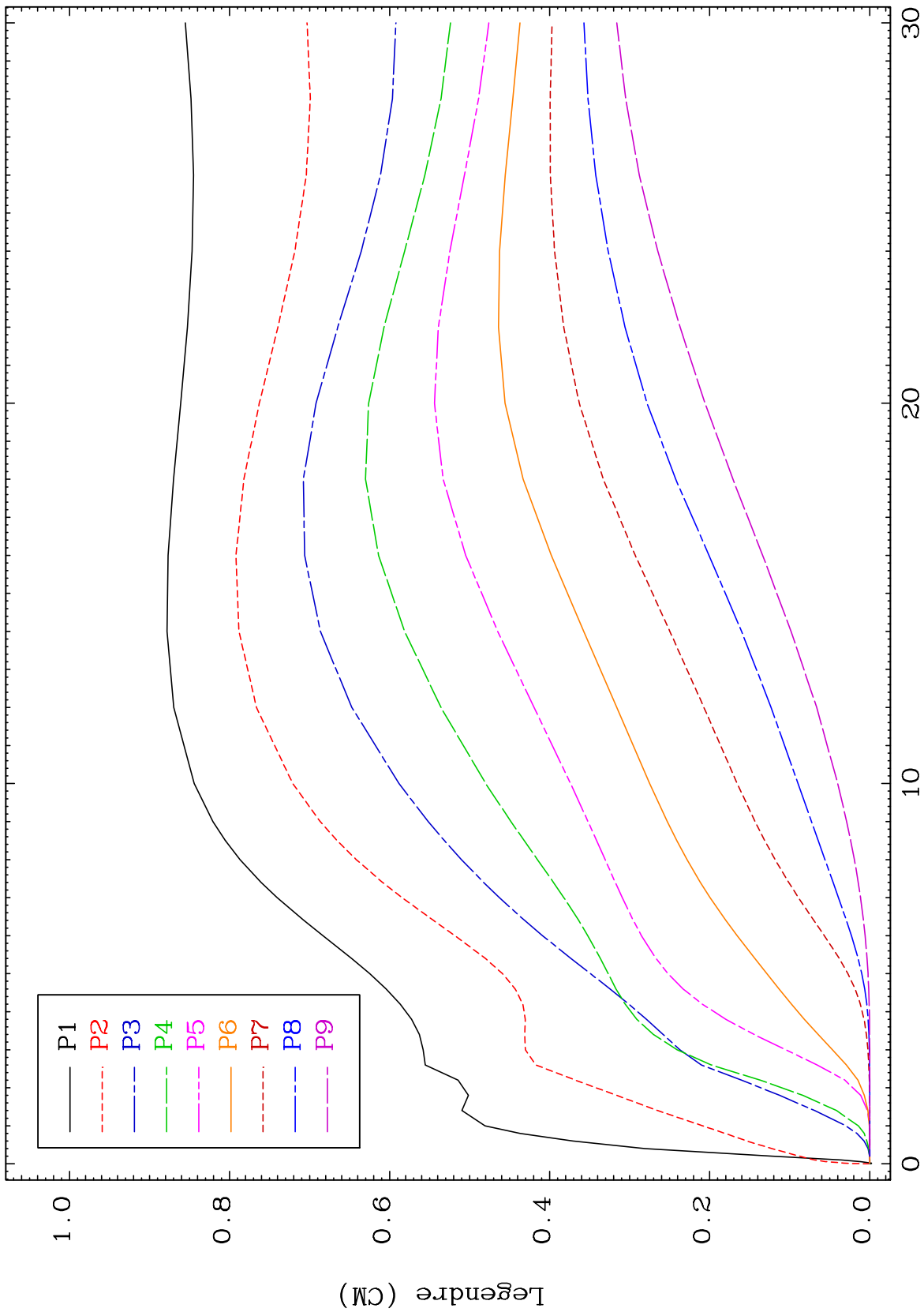
Incident Energy (MeV)

39-Y -96

MAT 3946

Elastic Legendre Coefficients

39-Y -96



16

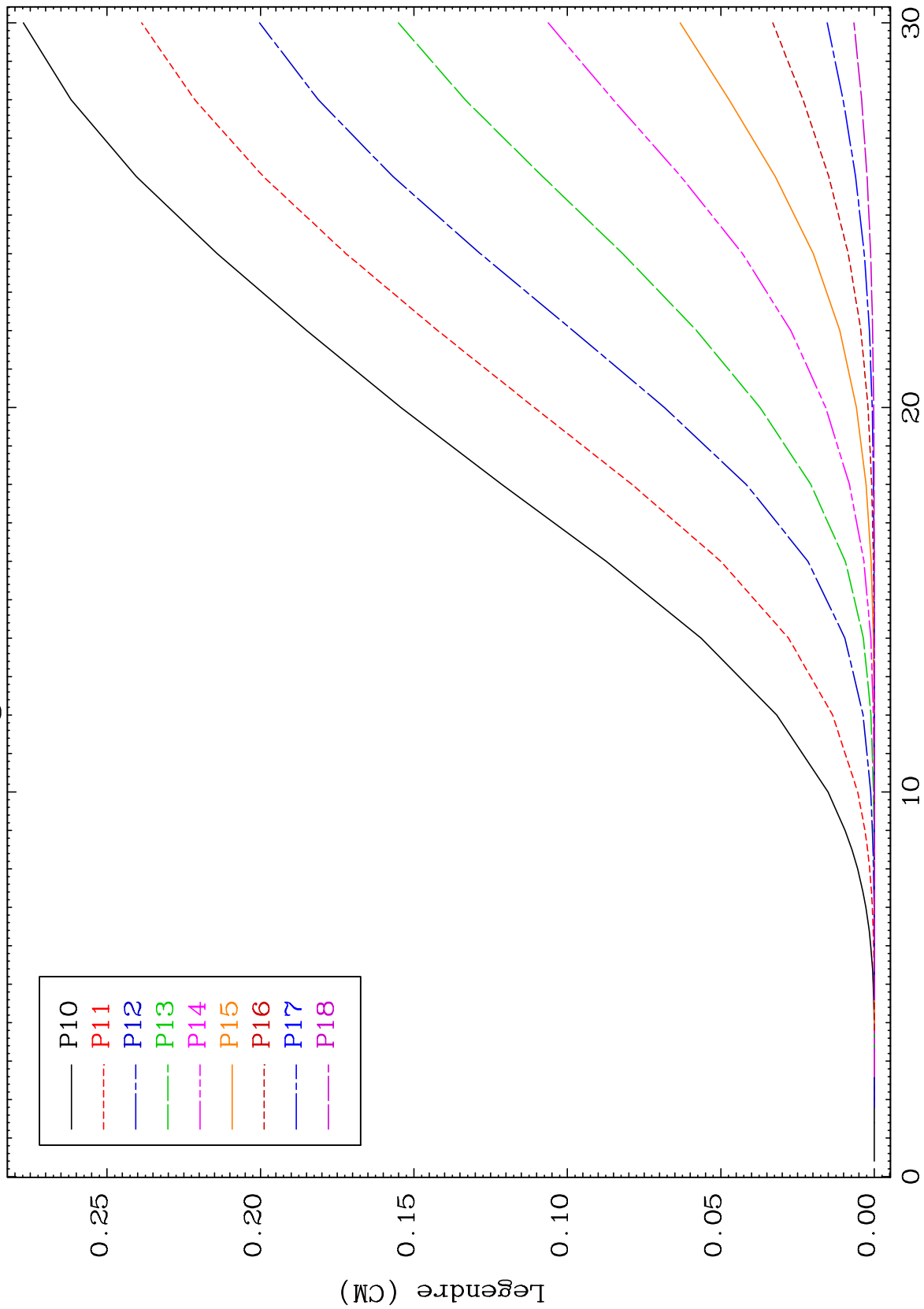
Incident Energy (MeV)

39-Y -96

MAT 3946

Elastic Legendre Coefficients

39-Y -96



17

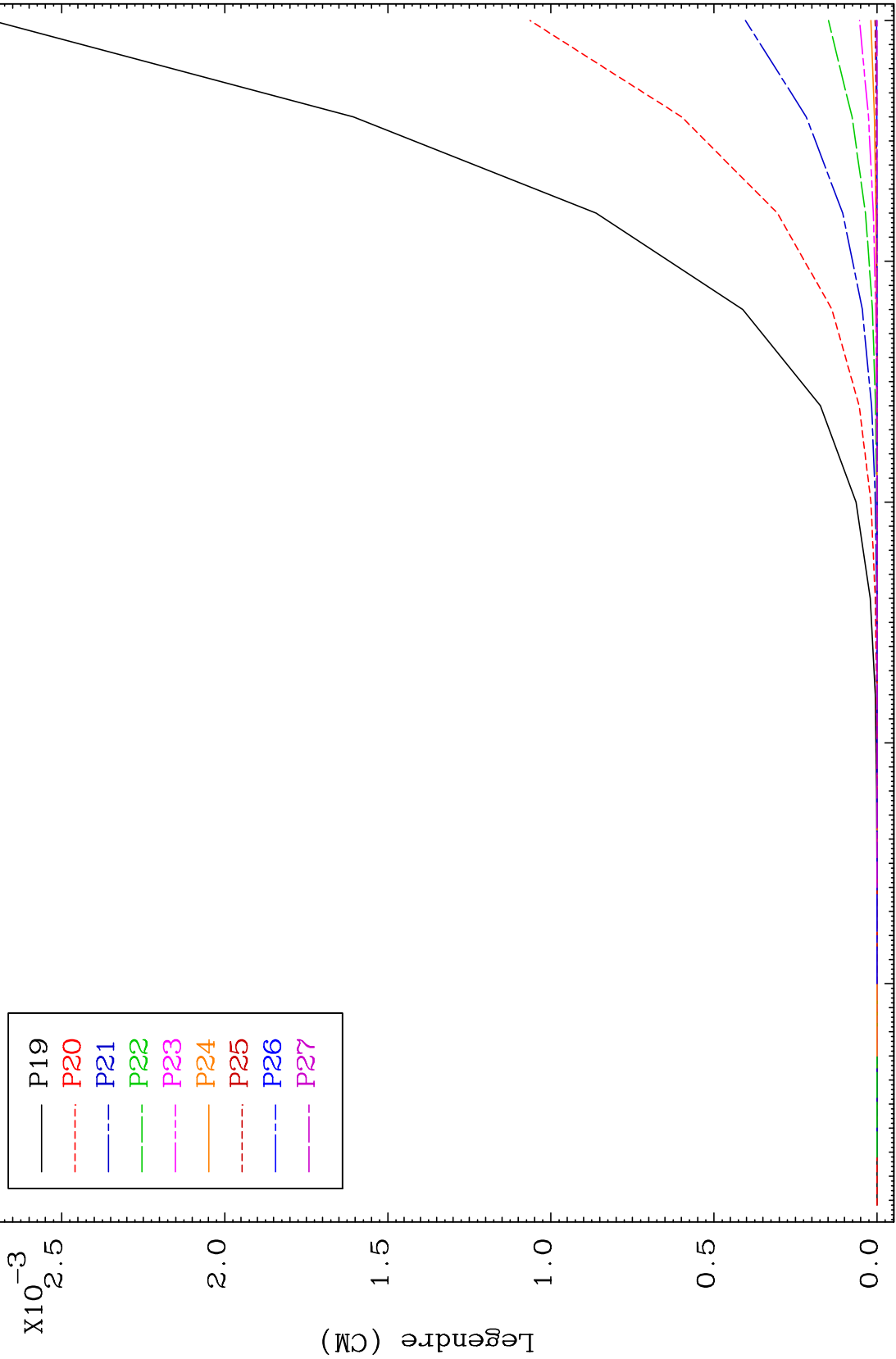
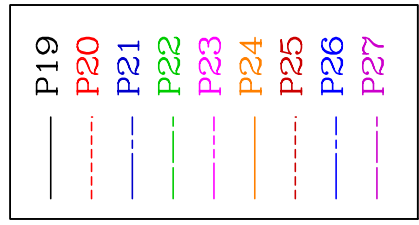
Incident Energy (MeV)

39-Y -96

MAT 3946

Elastic Legendre Coefficients

39-Y -96



18

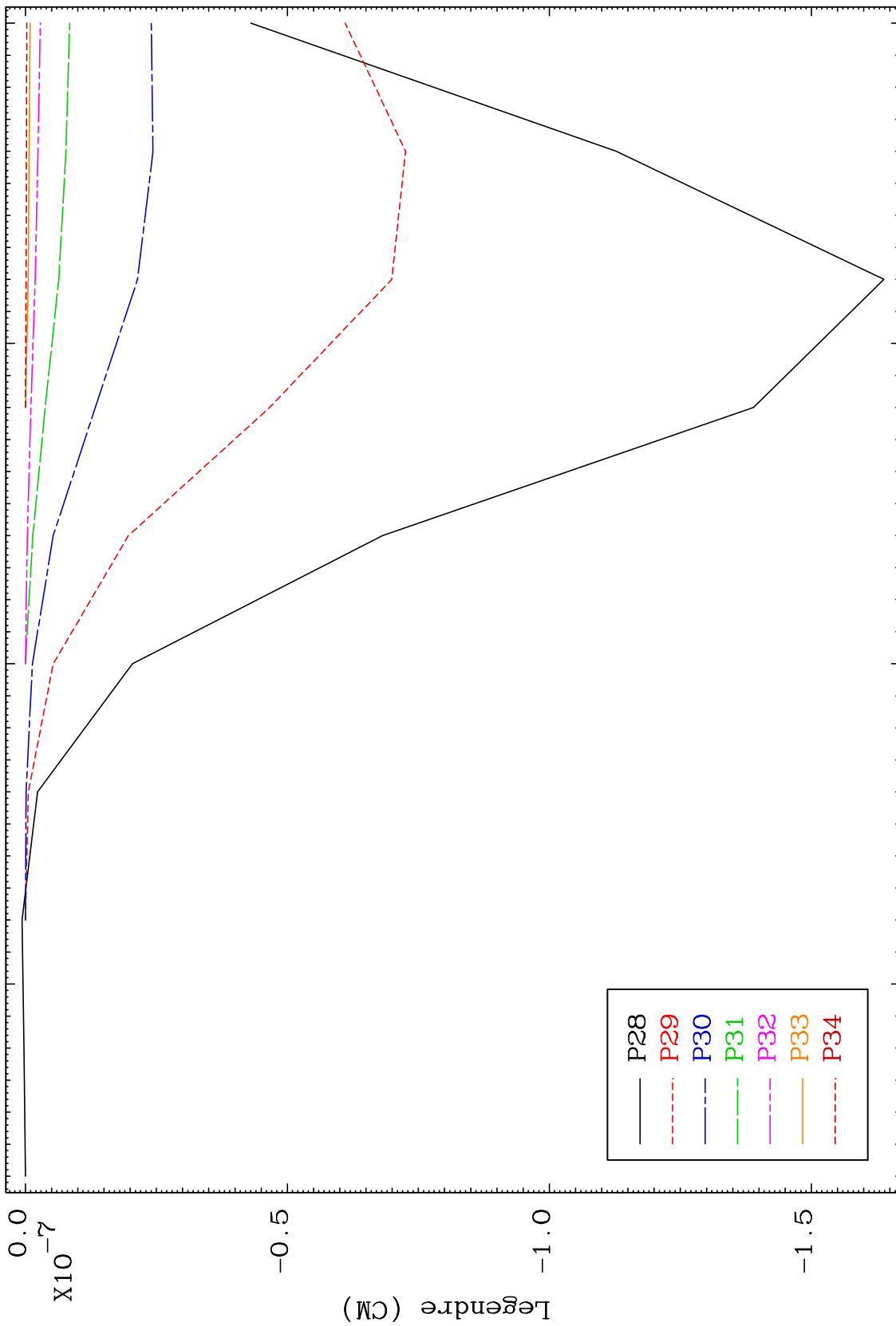
Incident Energy (MeV)

39-Y -96

MAT 3946

39-Y -96

Elastic Legendre Coefficients



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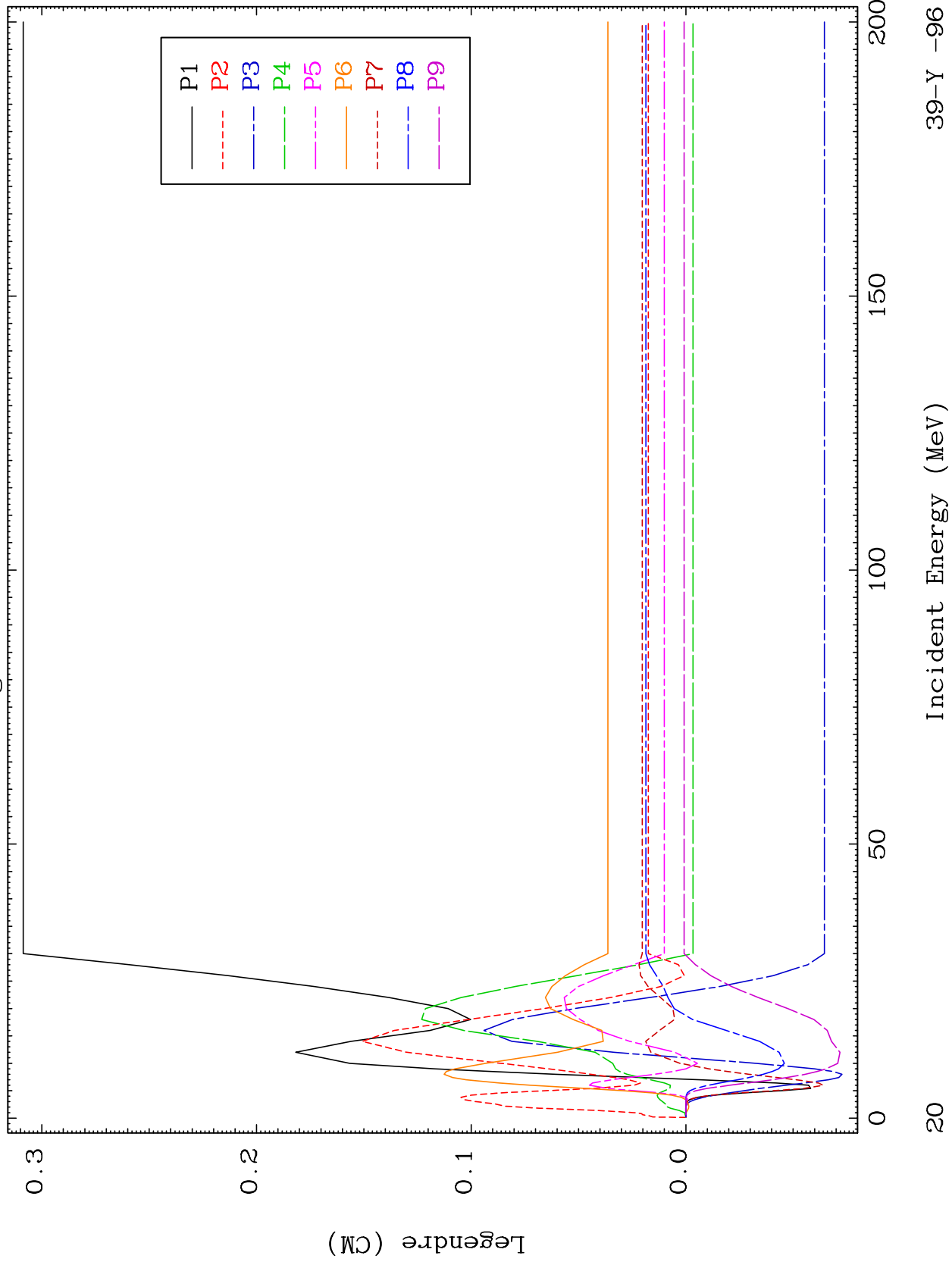
Incident Energy (MeV)

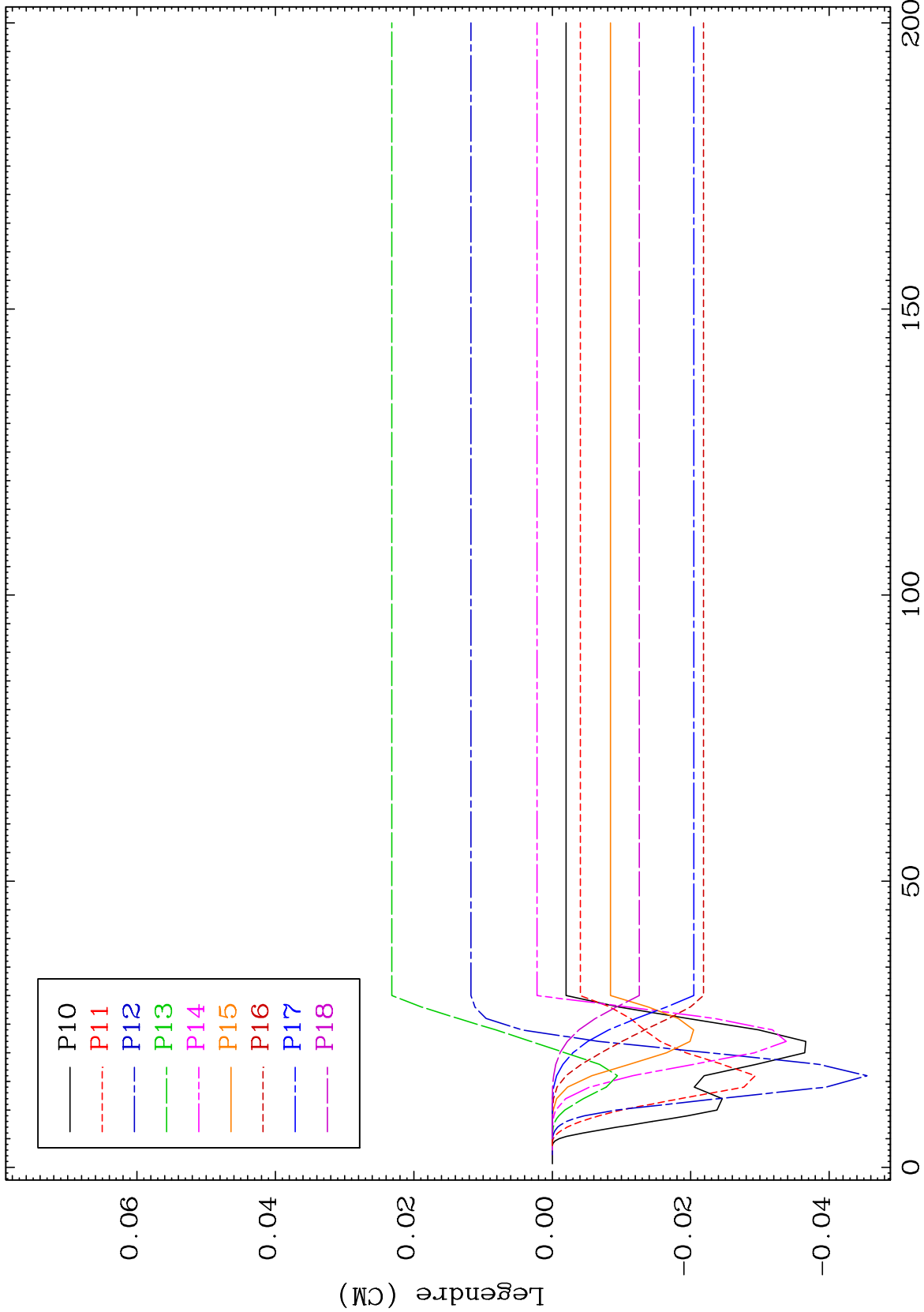
39-Y -96

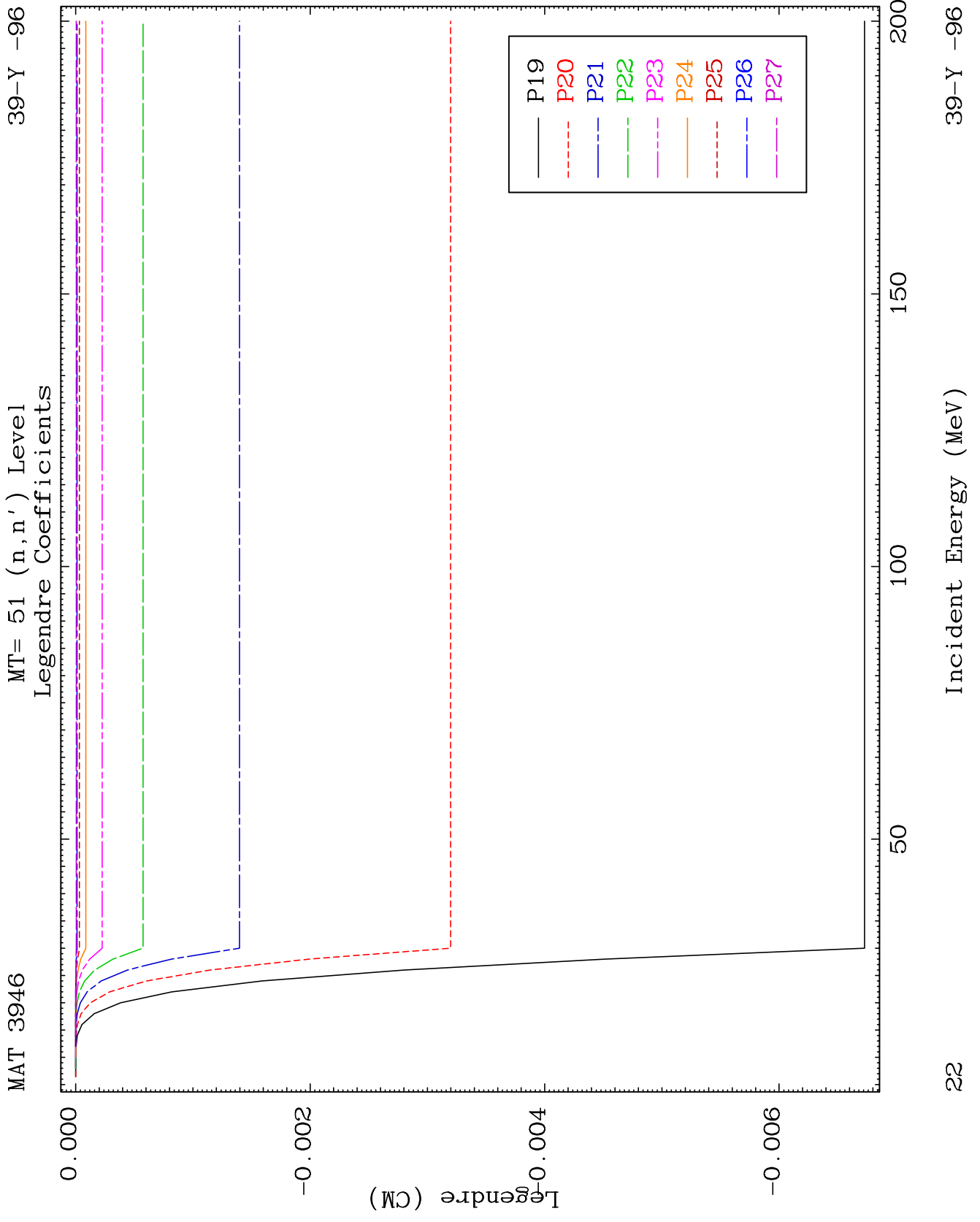
MAT 3946

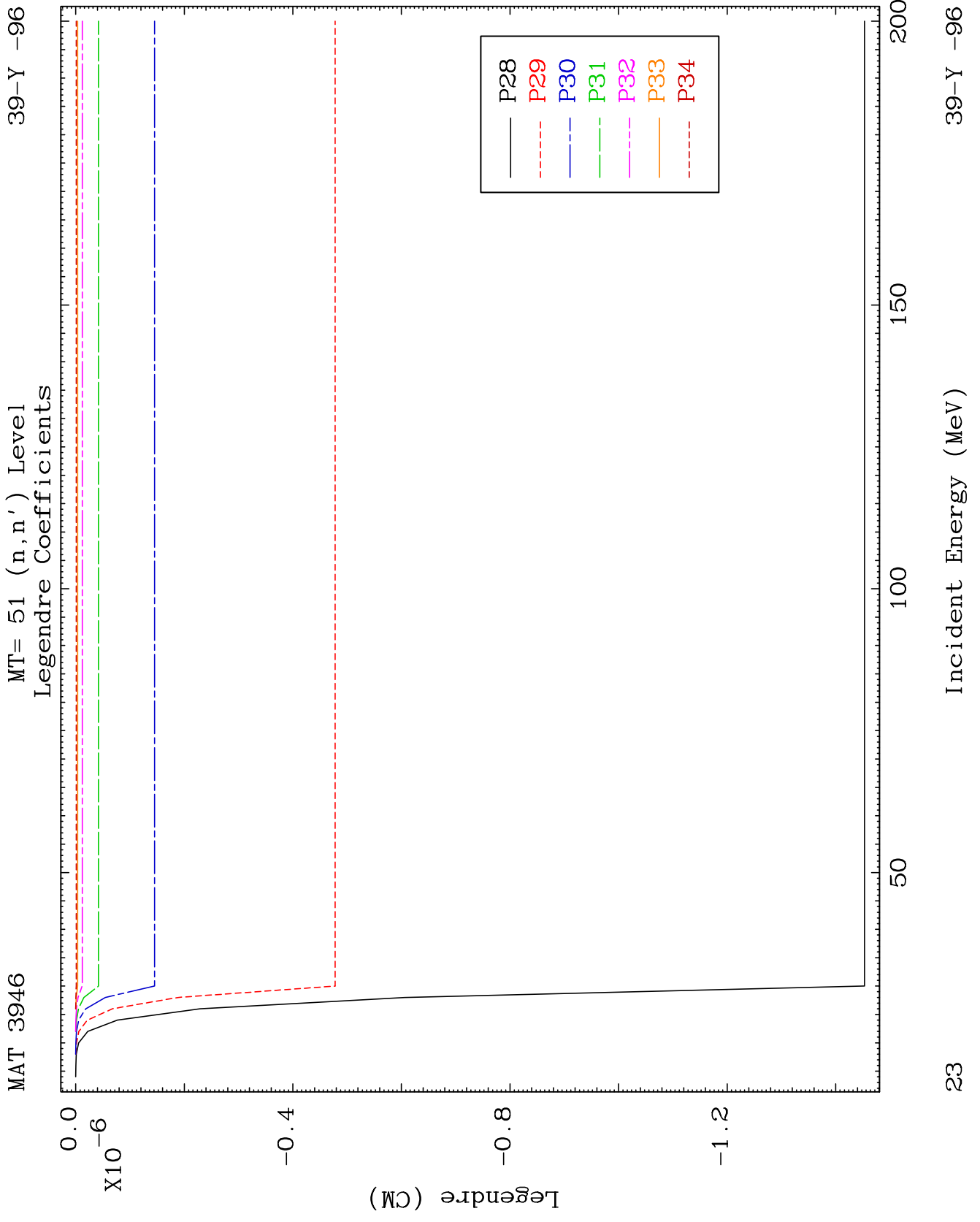
MT= 51 (n,n') Level
Legendre Coefficients

39-Y -96





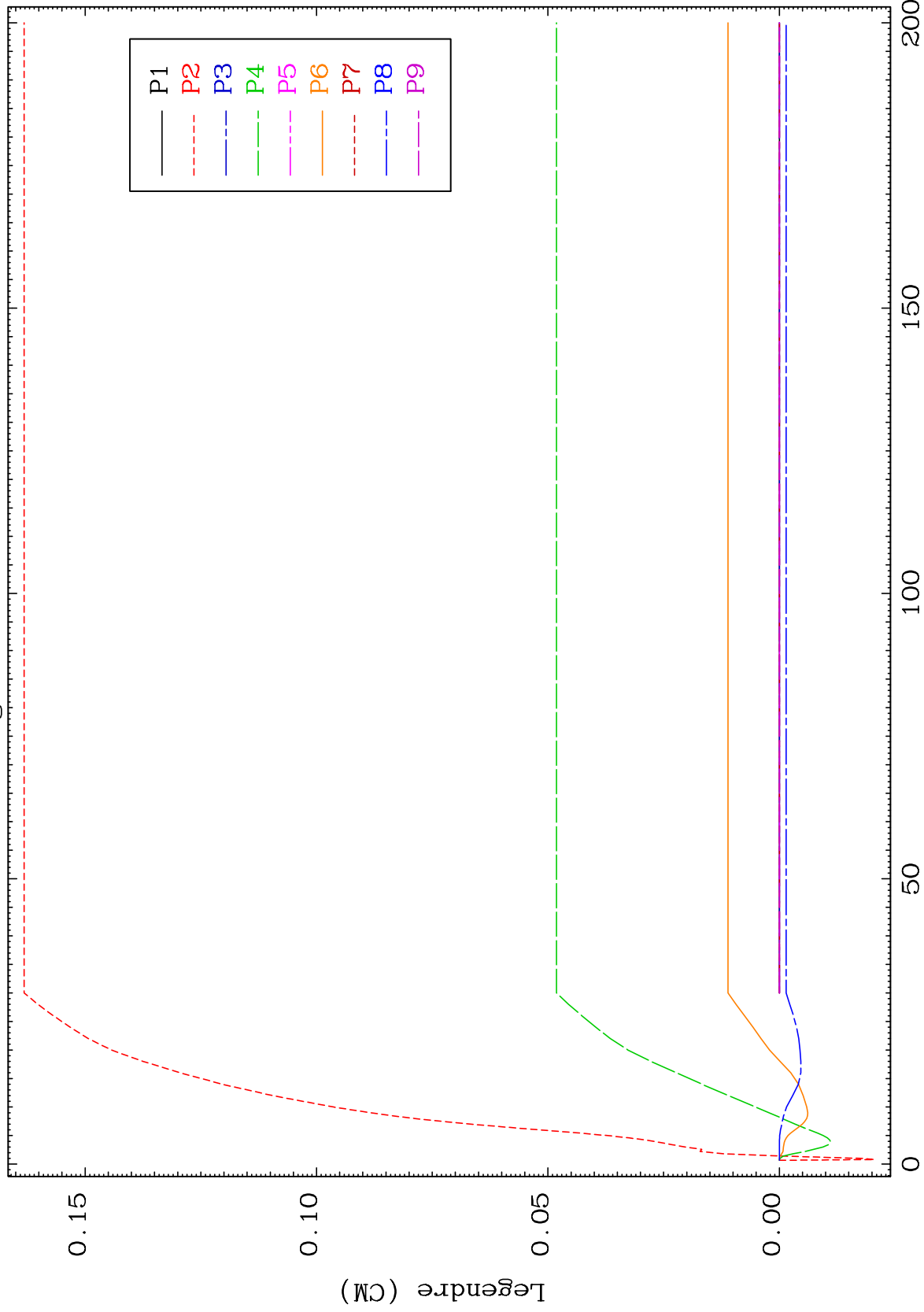




MAT 3946

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

39-Y -96



24

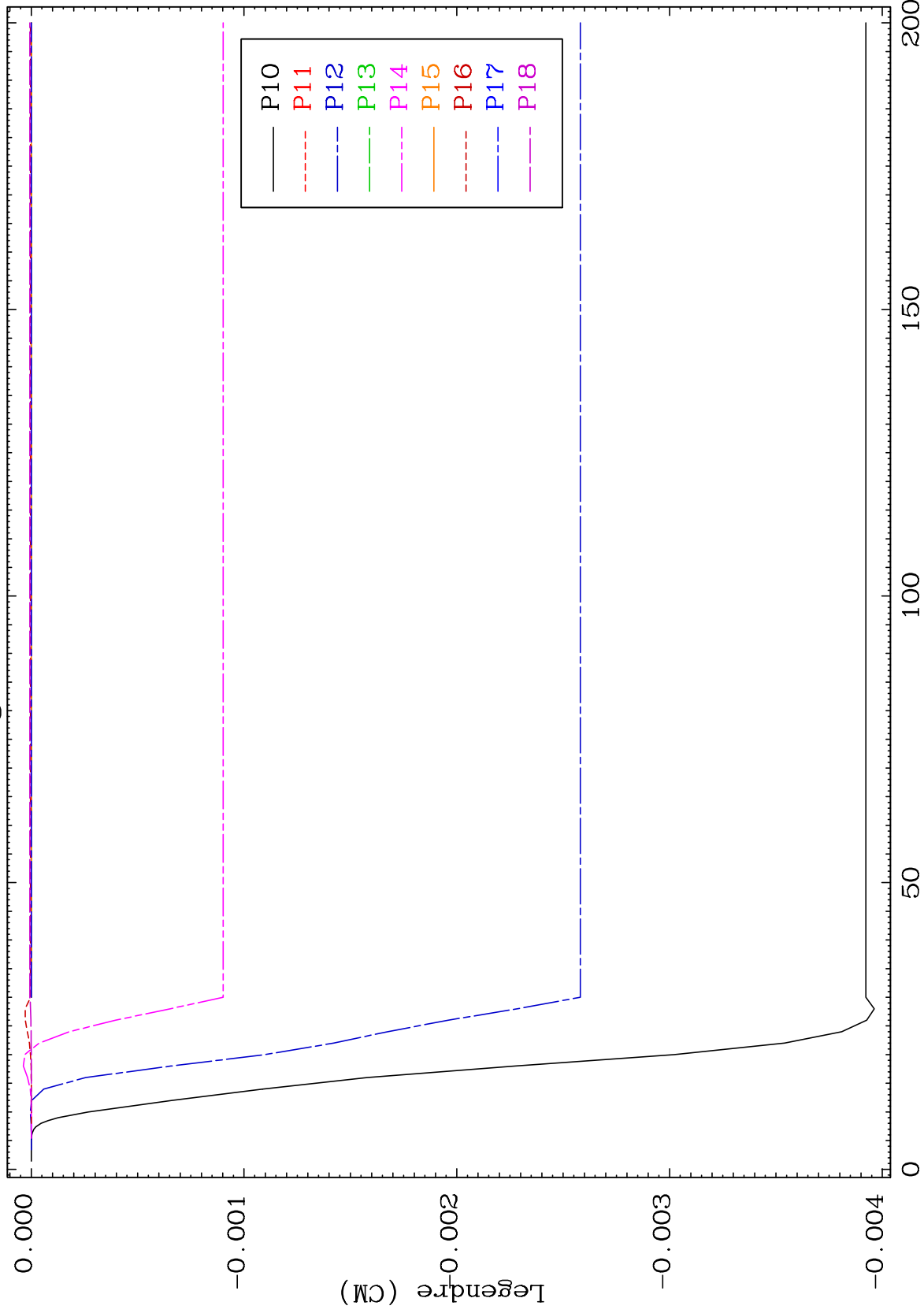
Incident Energy (MeV)

39-Y -96

MAT 3946

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

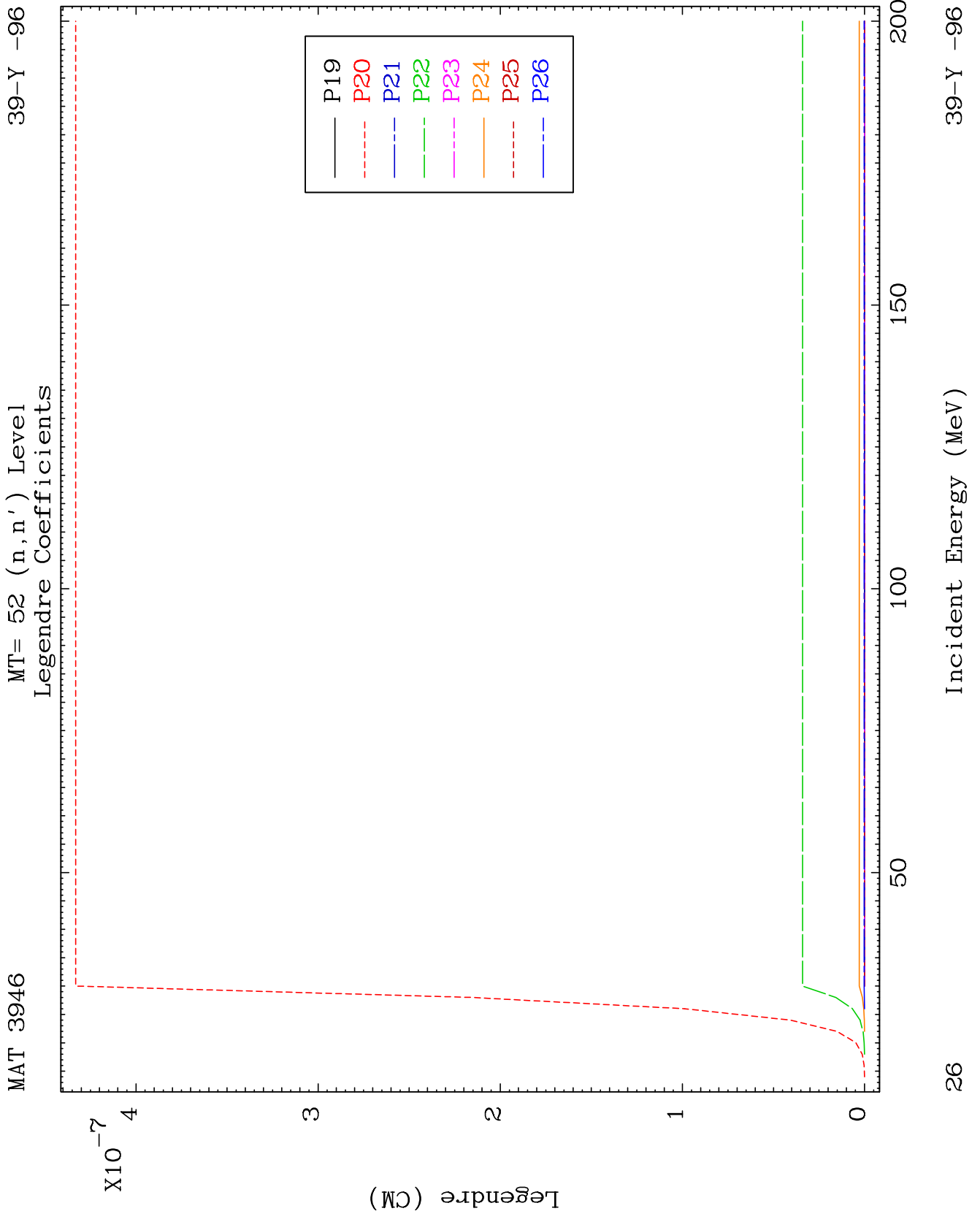
39-Y -96



25

Incident Energy (MeV)

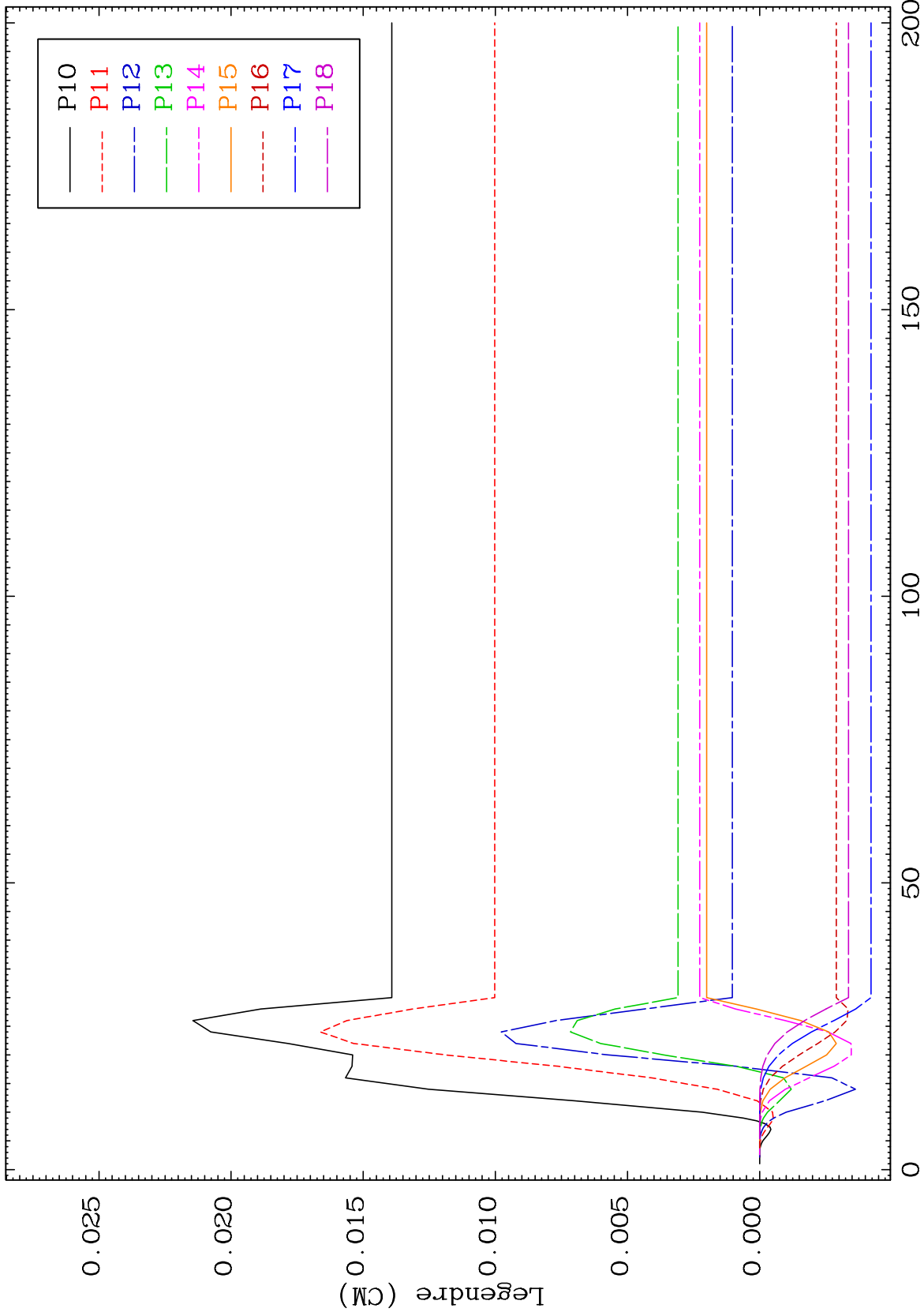
39-Y -96



MAT 3946

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

39-Y -96



28

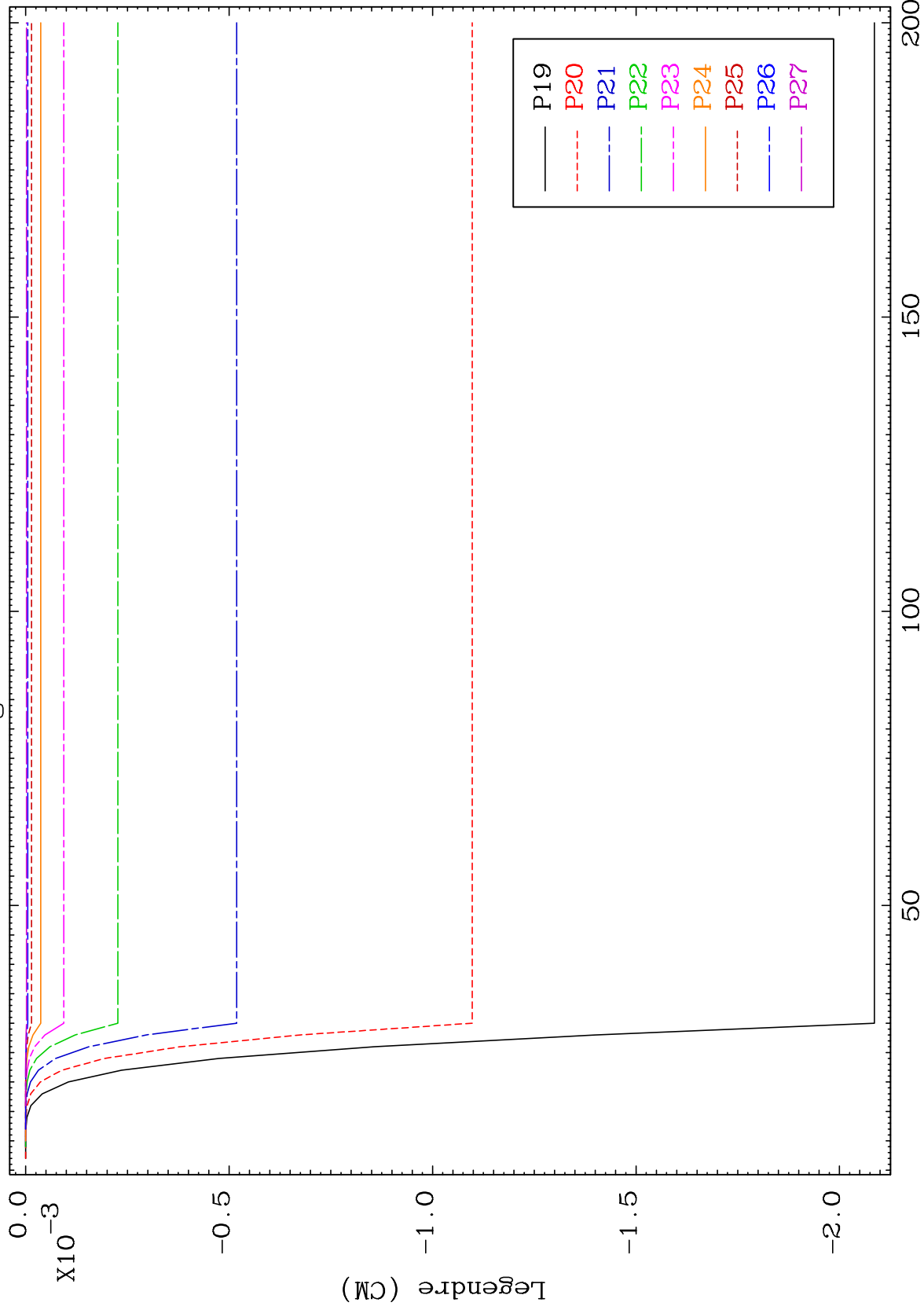
Incident Energy (MeV)

39-Y -96

MAT 3946

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

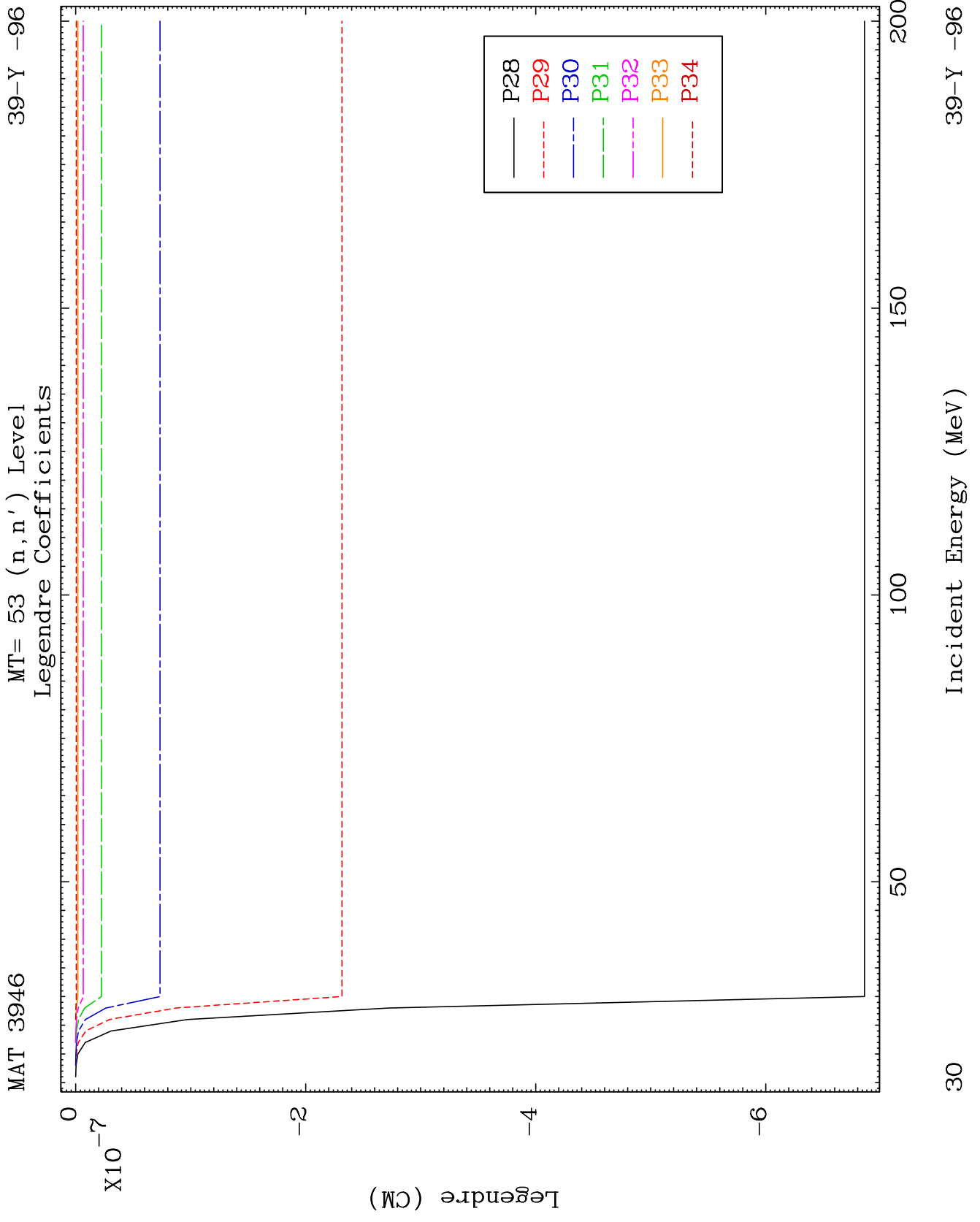
39-Y -96

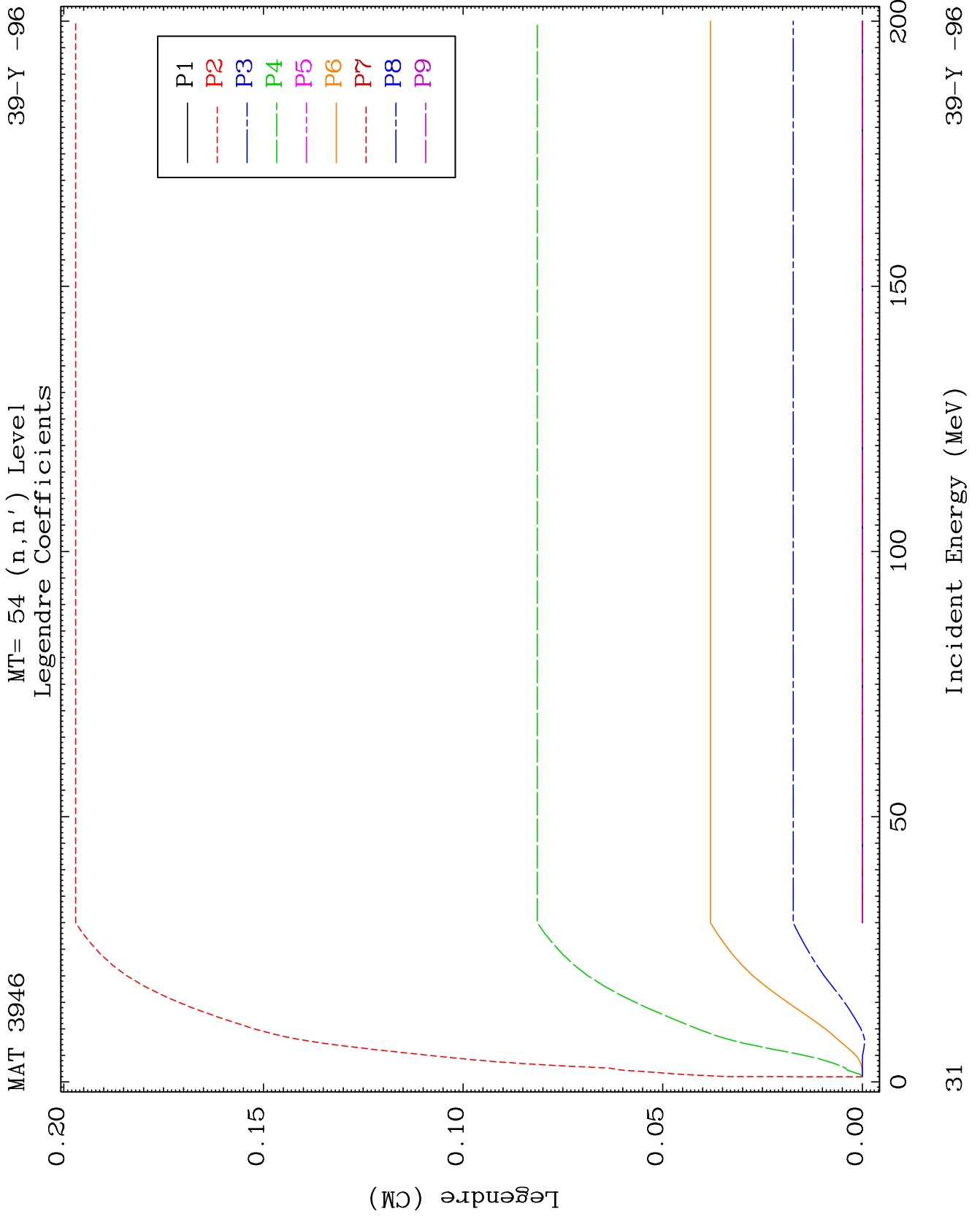


29

Incident Energy (MeV)

39-Y -96

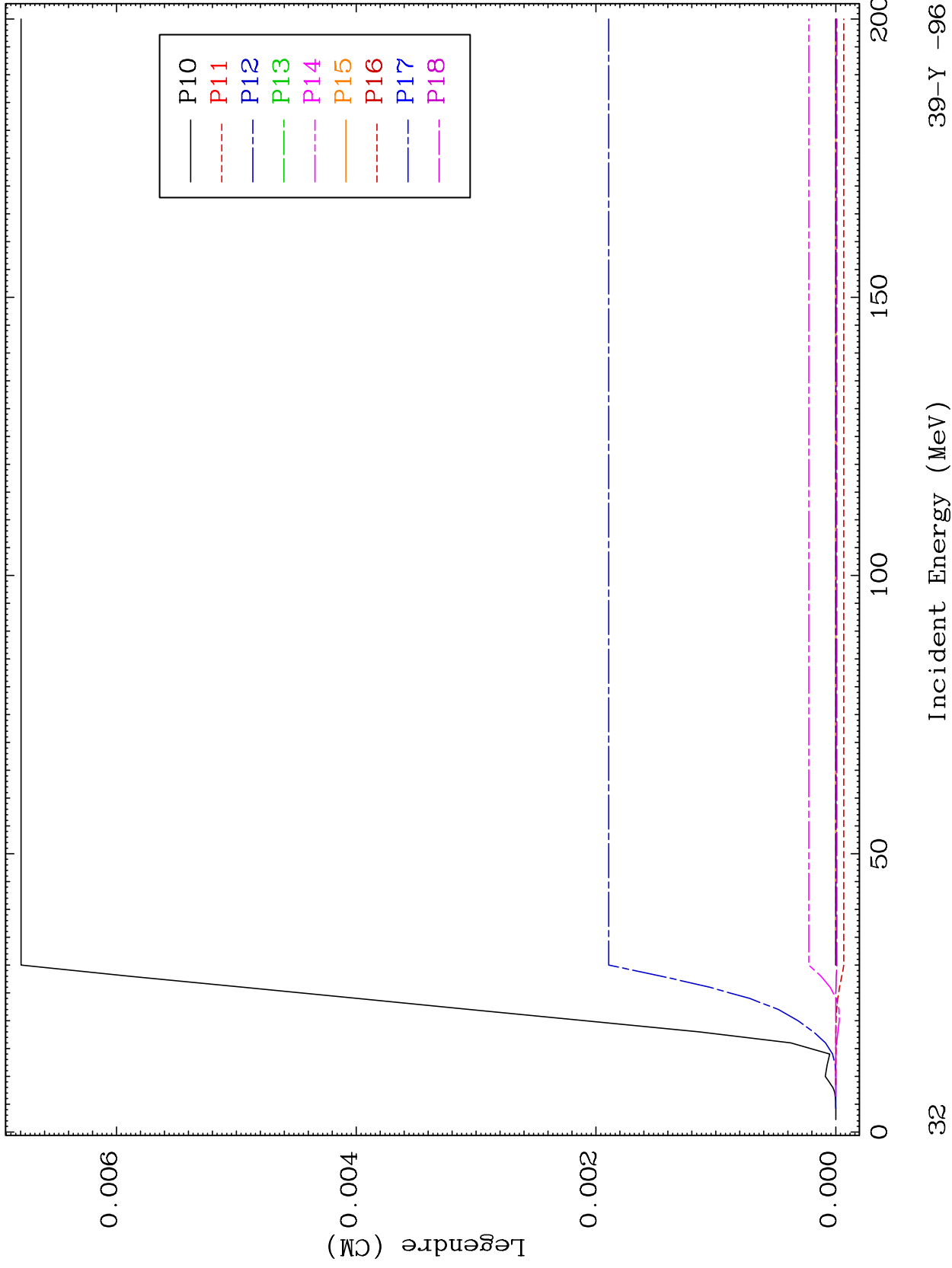




MAT 3946

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

39-Y -96



32

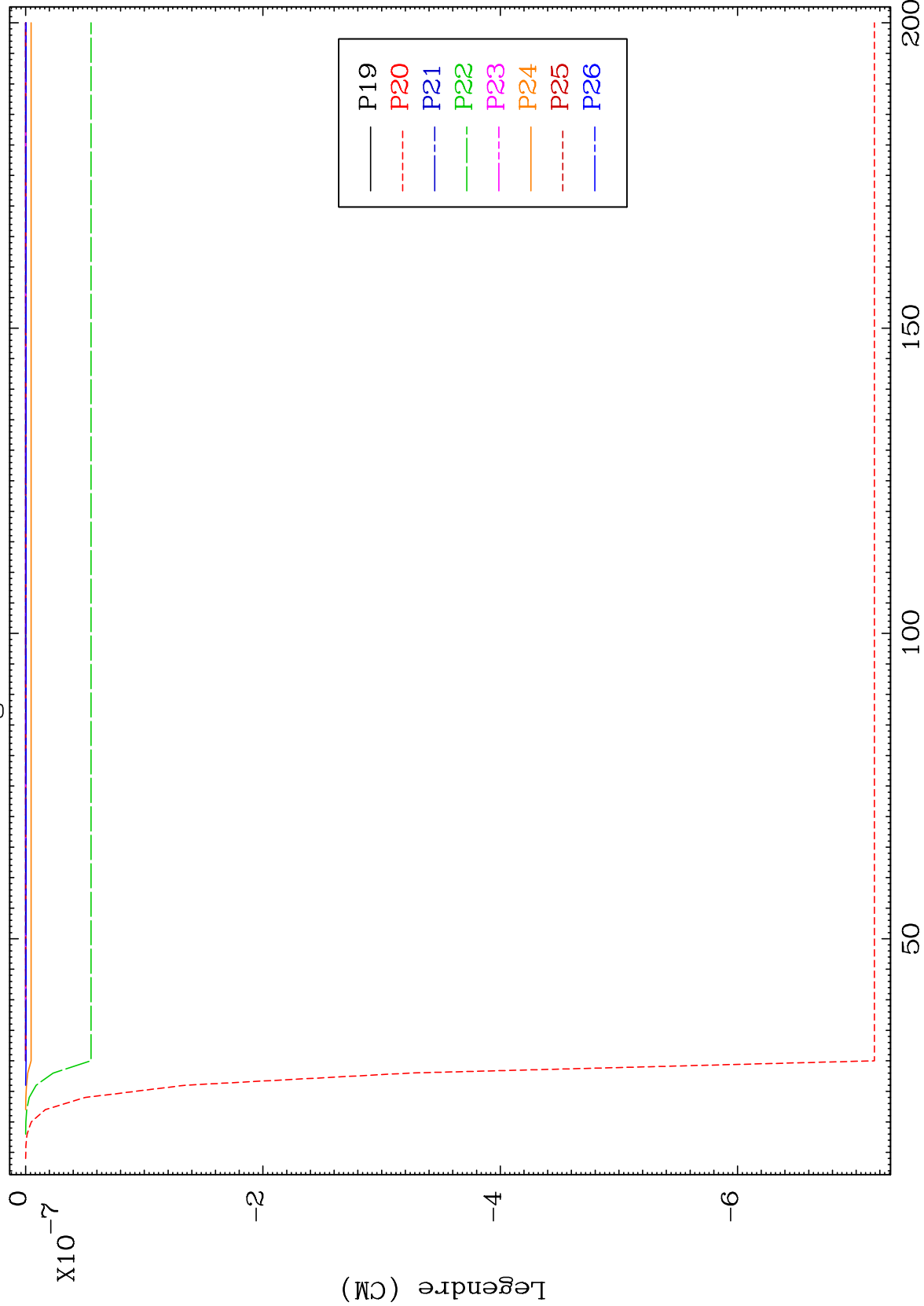
Incident Energy (MeV)

39-Y -96

MAT 3946

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

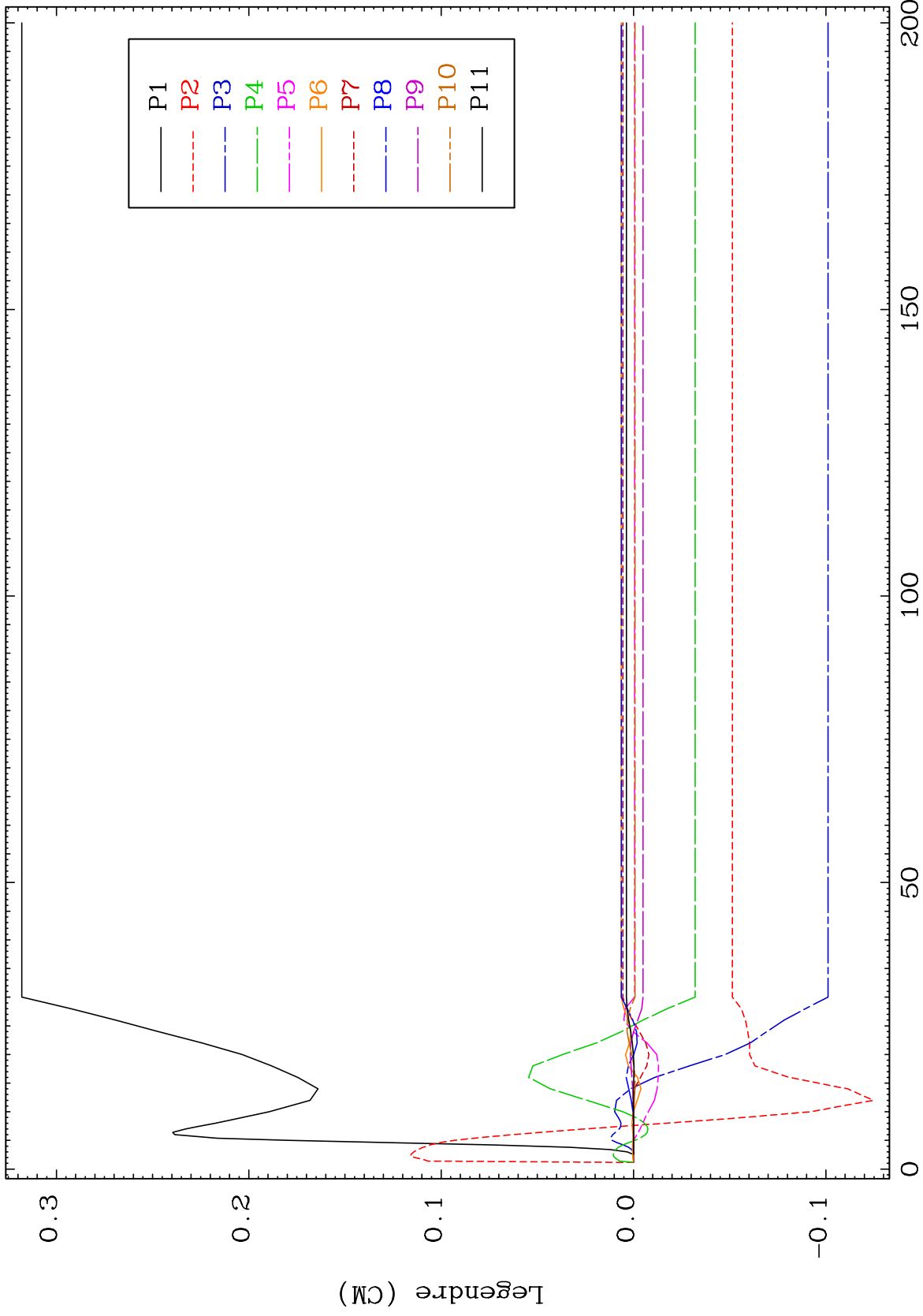
39-Y -96



33

Incident Energy (MeV)

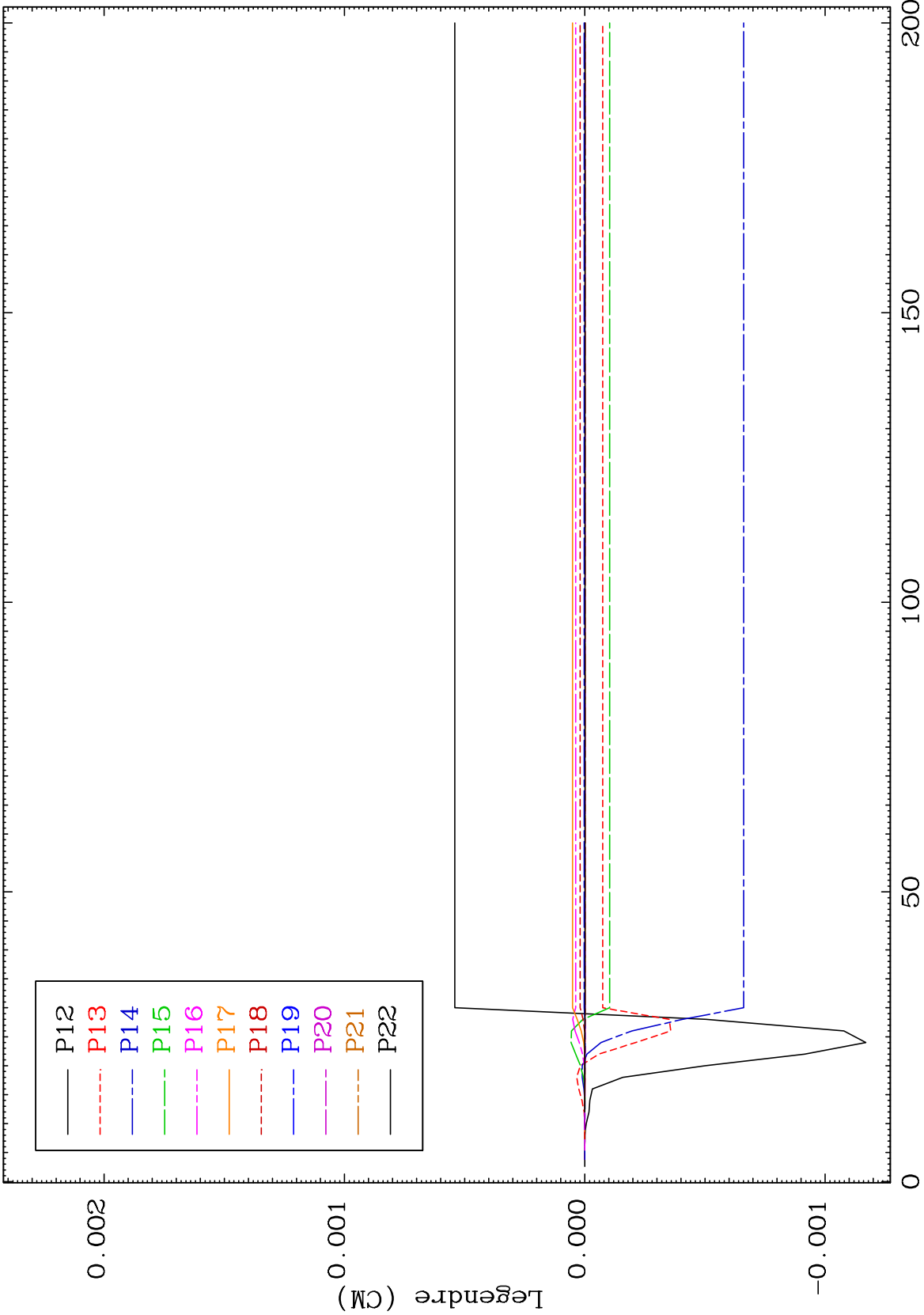
39-Y -96



MAT 3946

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

39-Y -96



35

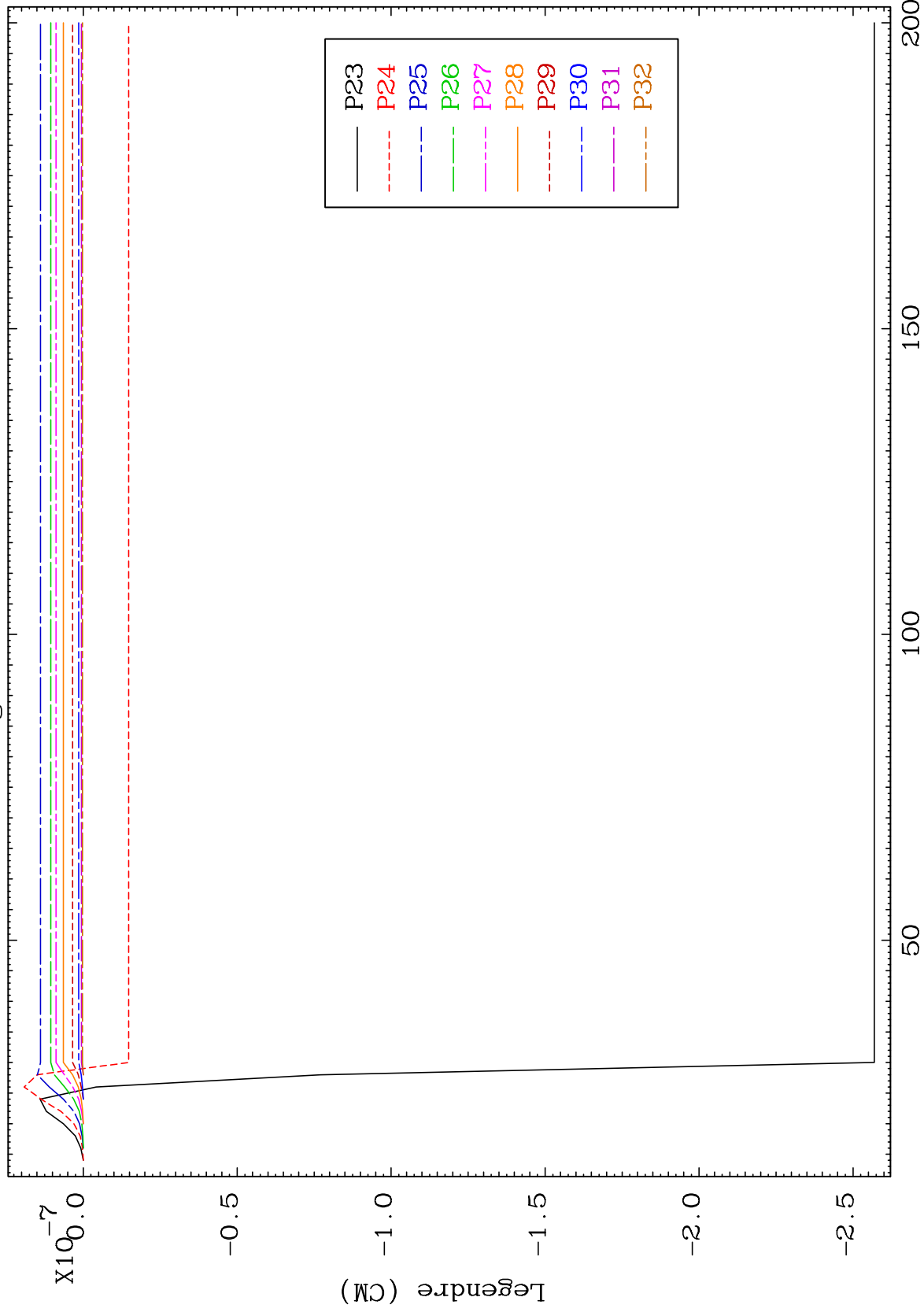
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



36

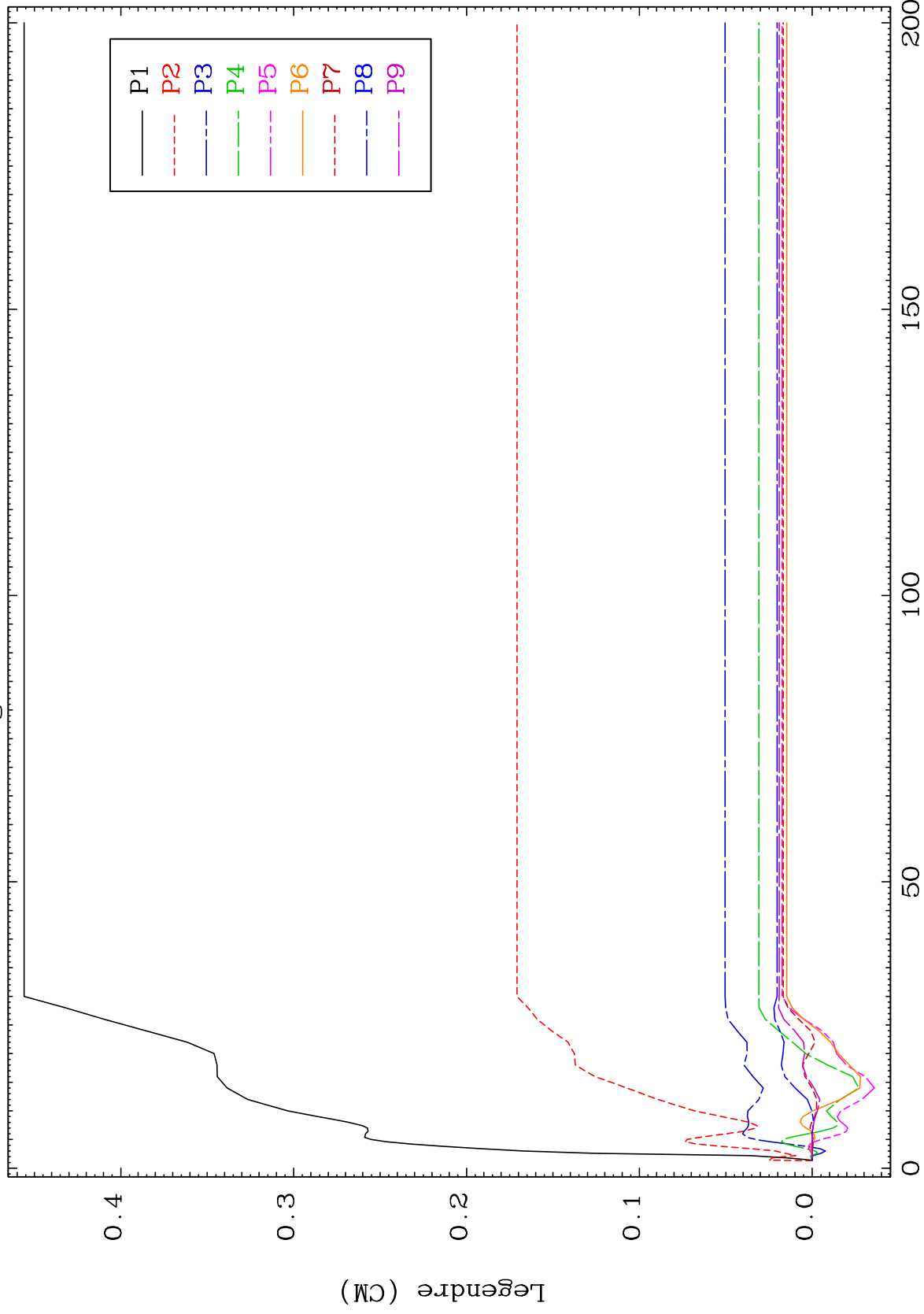
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



37

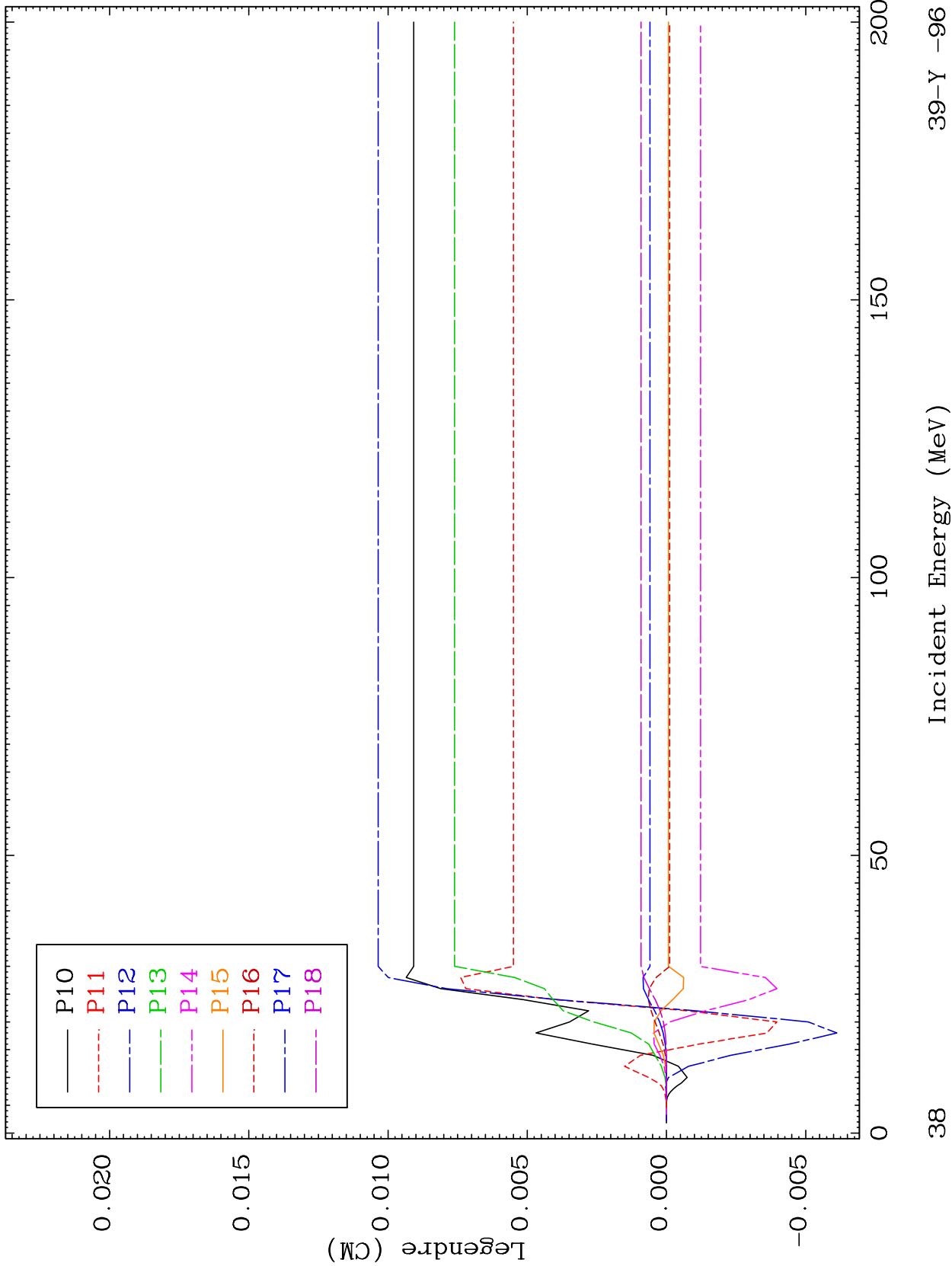
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



38

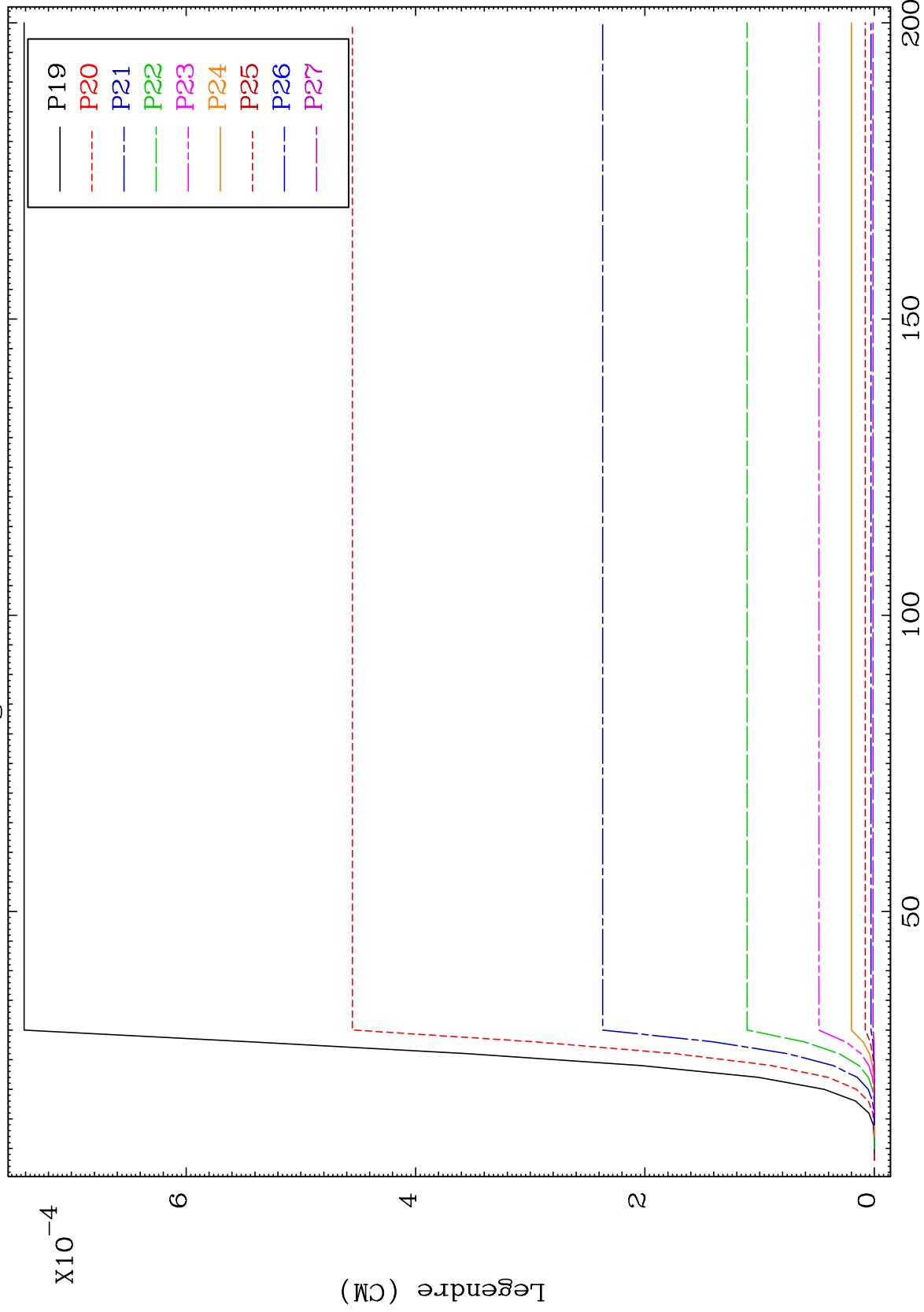
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



39

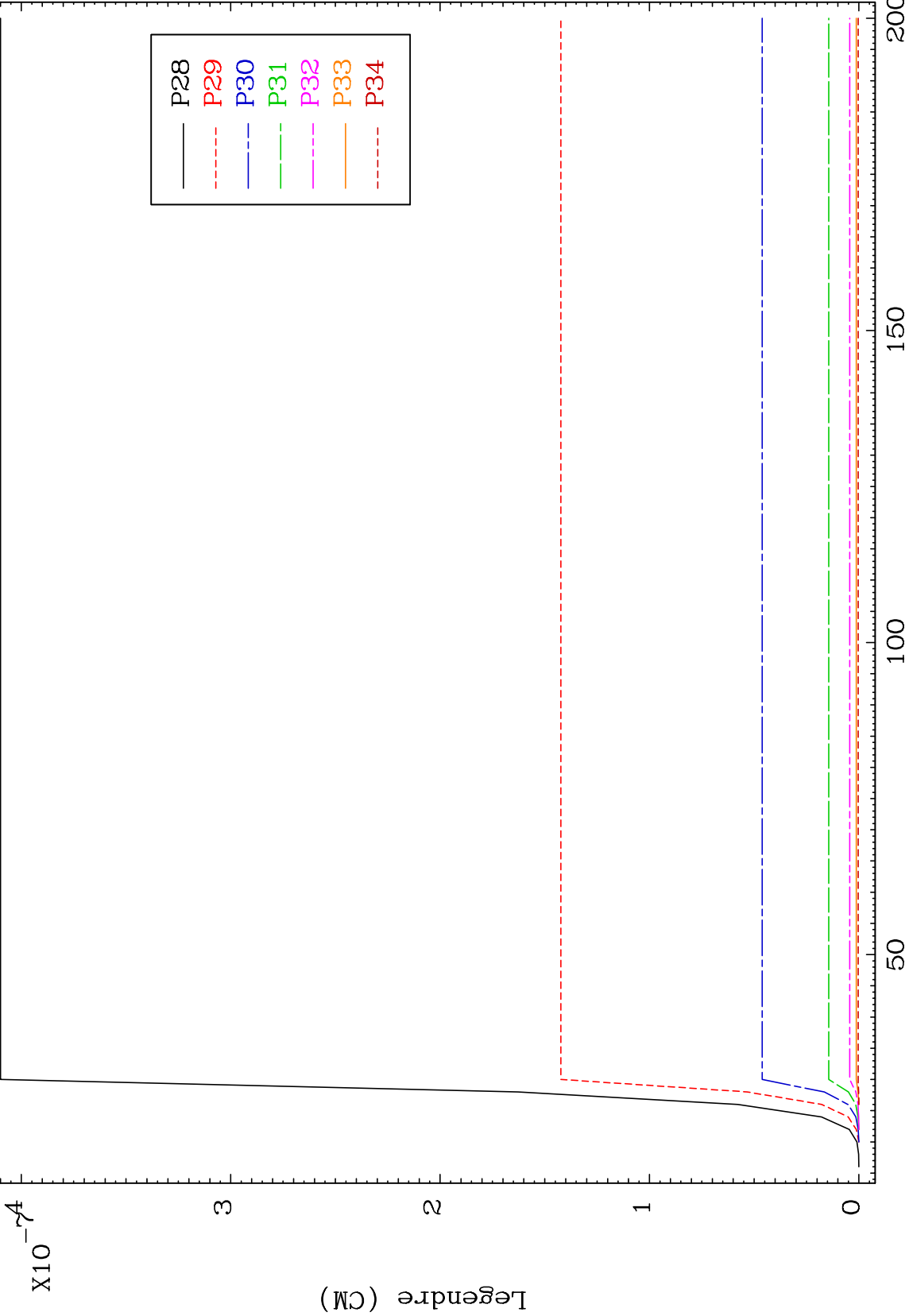
Incident Energy (MeV)

39-Y -96

MAT 3946

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

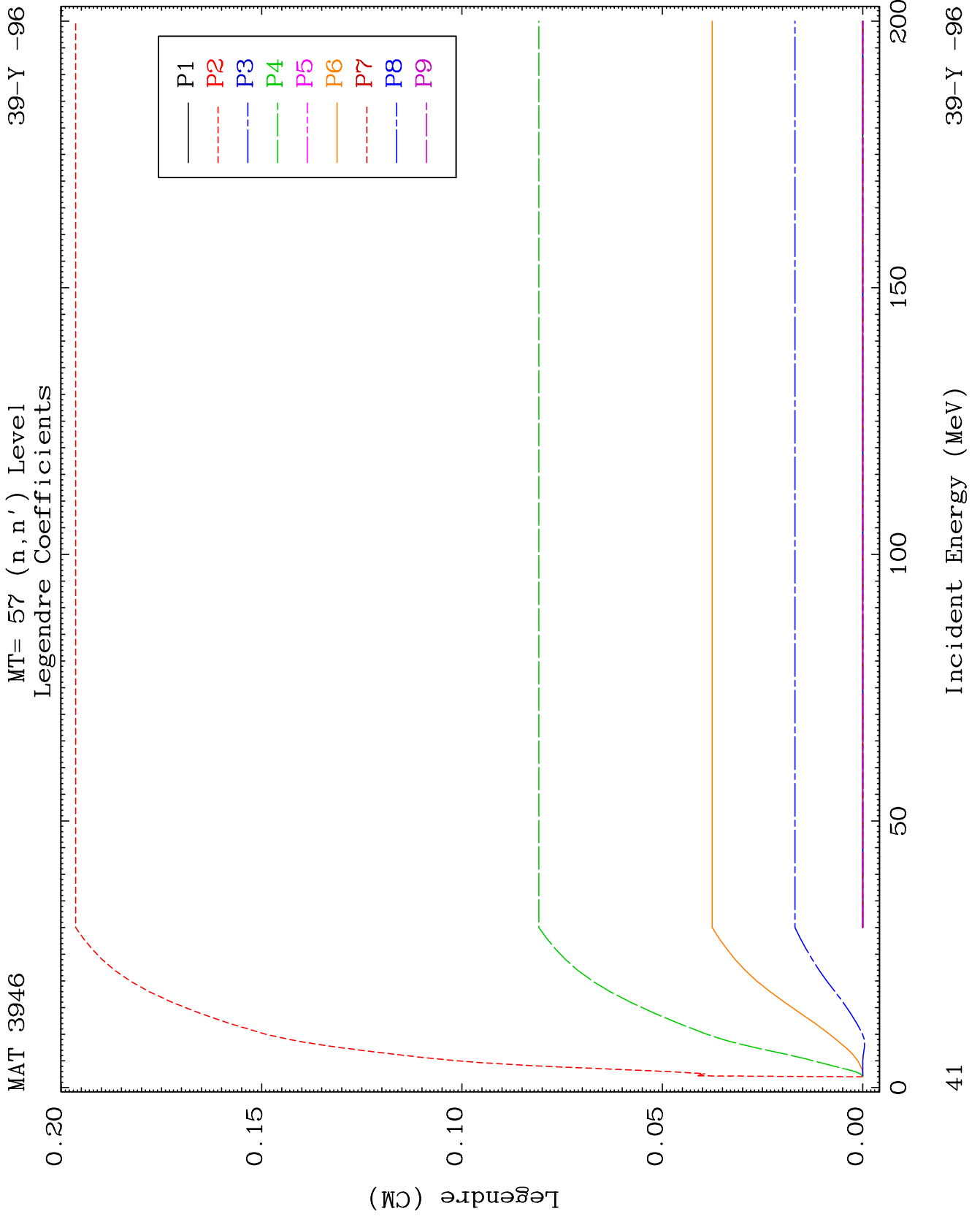
39-Y -96



40

Incident Energy (MeV)

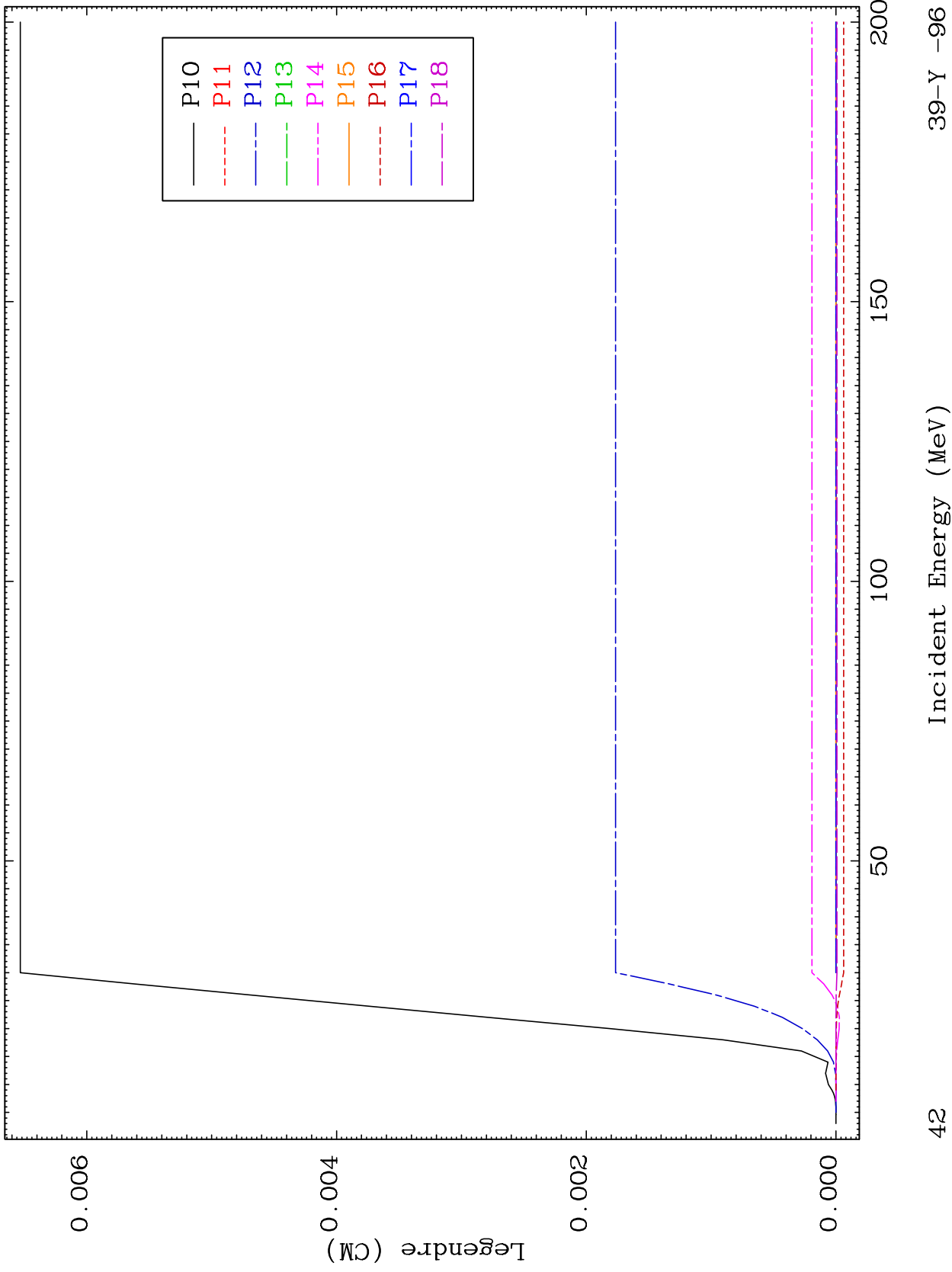
39-Y -96



MAT 3946

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

39-Y -96



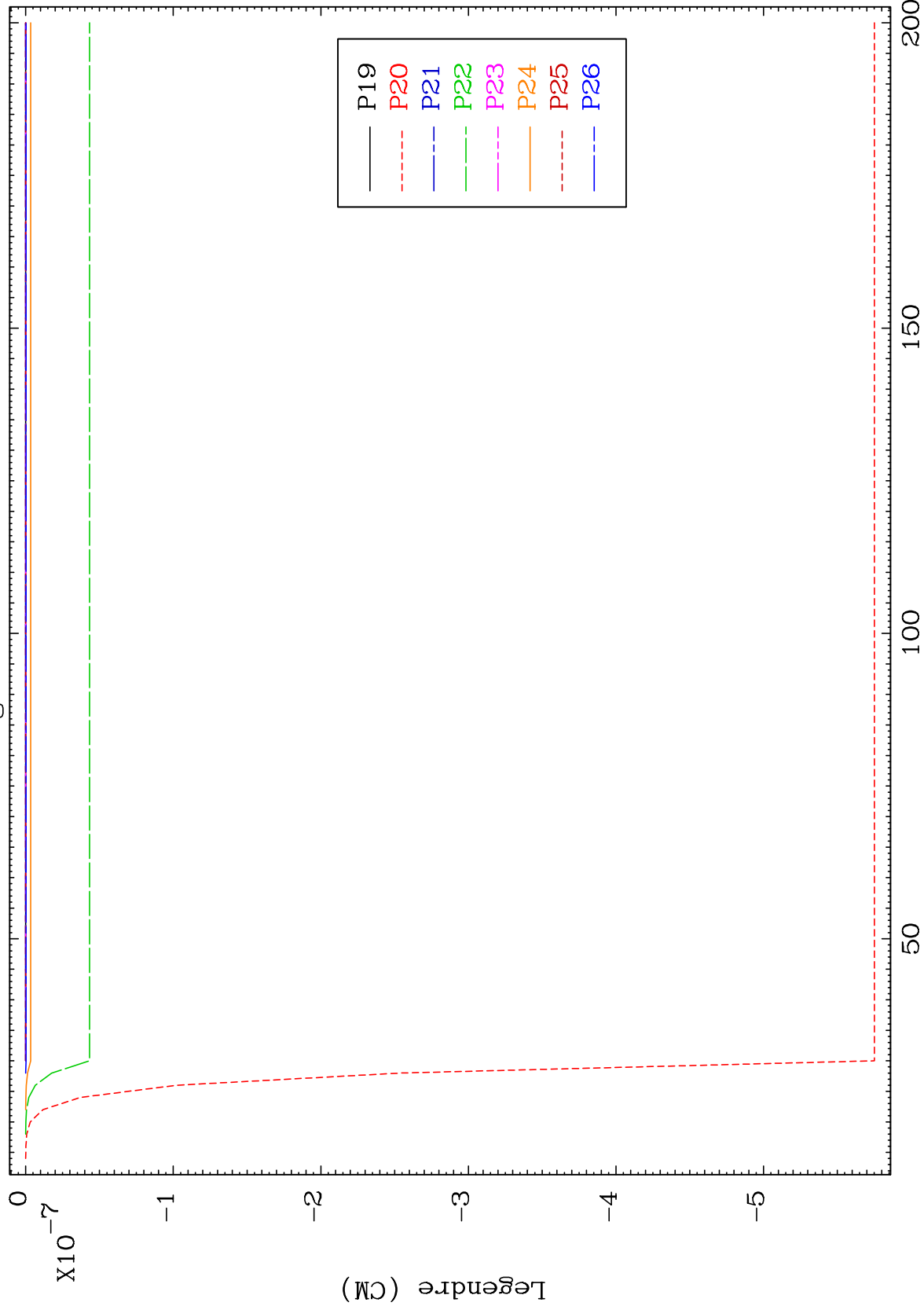
42

Incident Energy (MeV)

39-Y -96

MAT 3946 MT= 57 (n,n') Level 39-Y -96

Legendre Coefficients

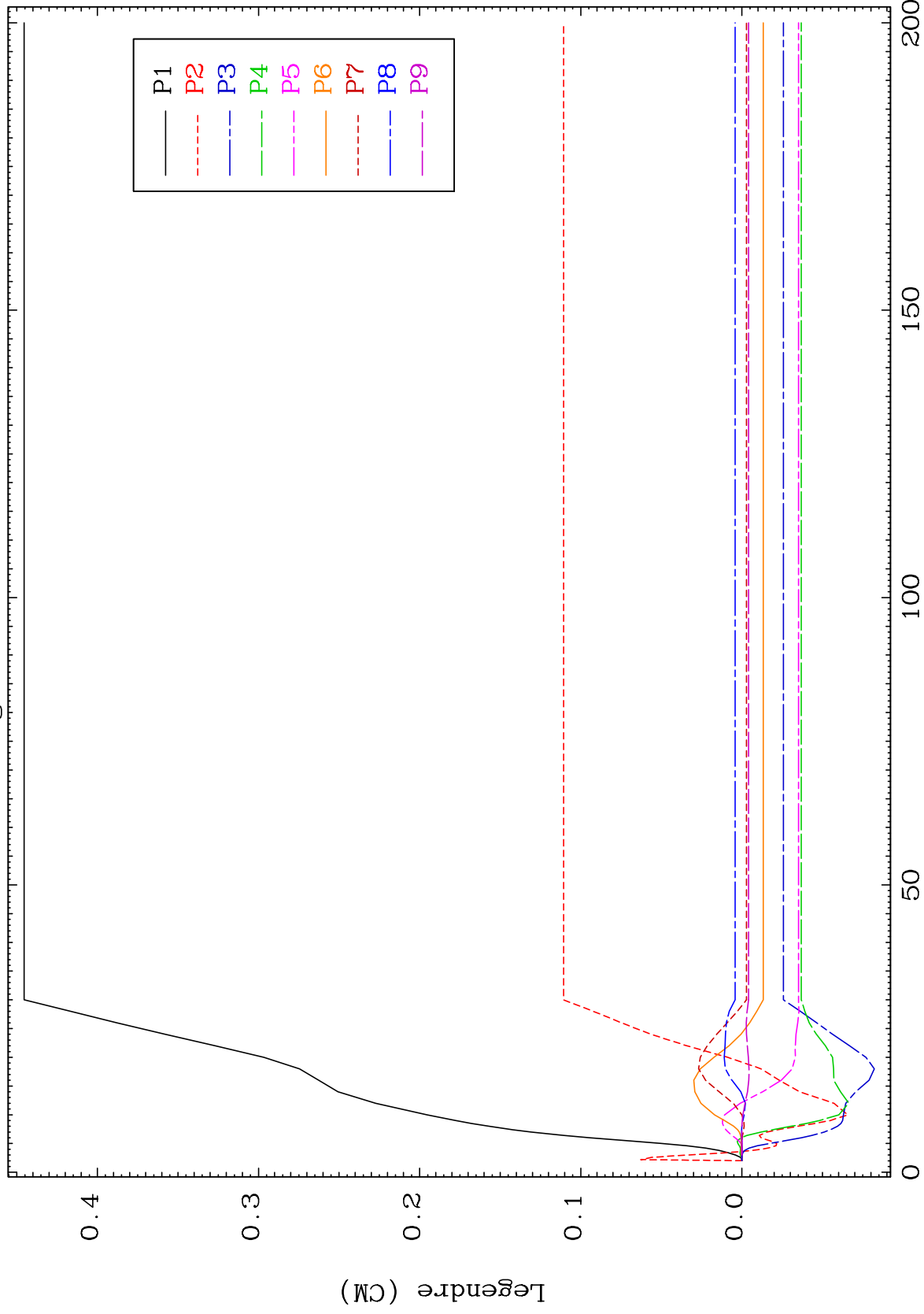


43 Incident Energy (MeV) 39-Y -96

MAT 3946

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

39-Y -96



44

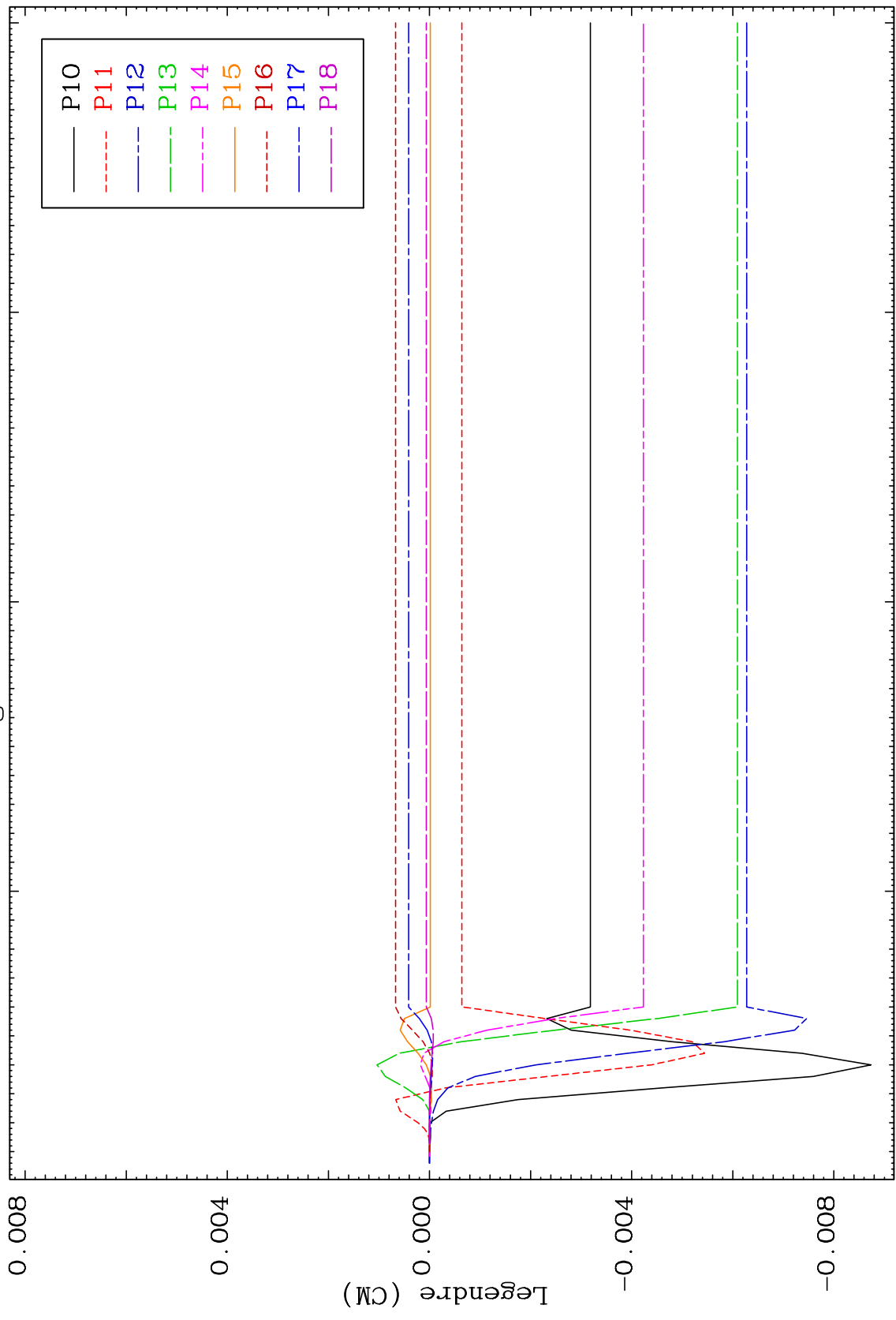
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



45

Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96

$\times 10^{-5}$

Legendre (CM)

0

4

-4

-8

50

100

150

200

P19

P20

P21

P22

P23

P24

P25

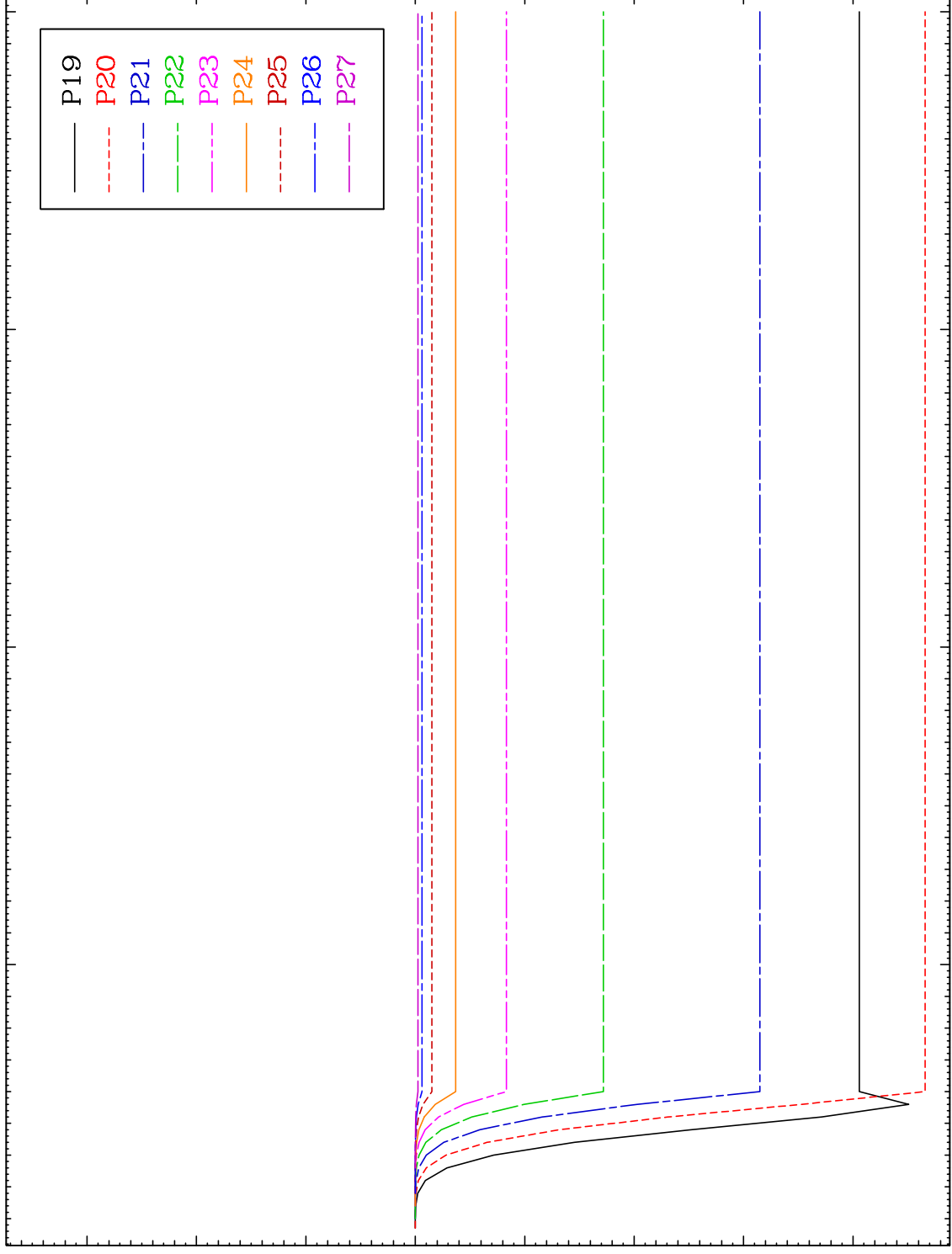
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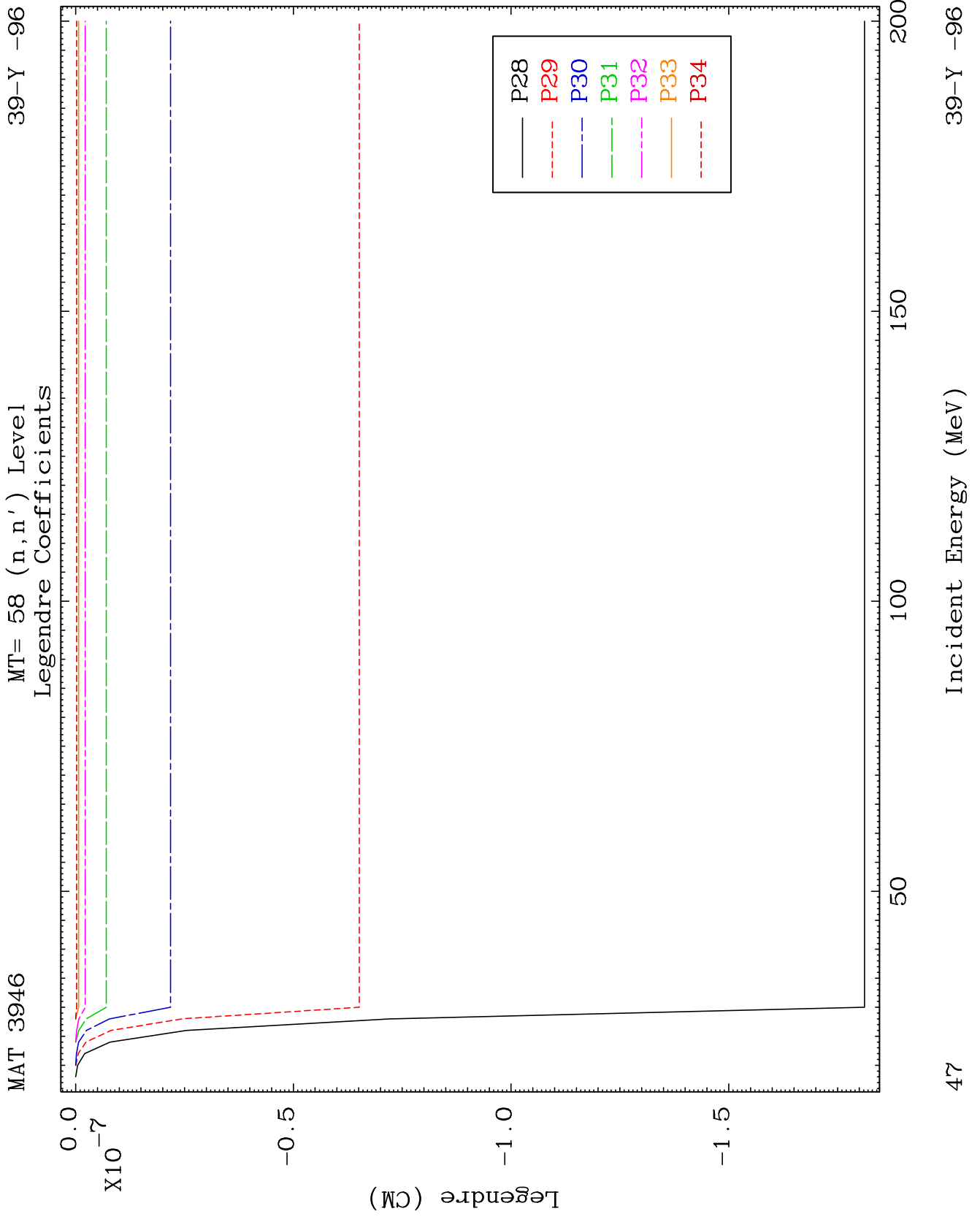
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Incident Energy (MeV)

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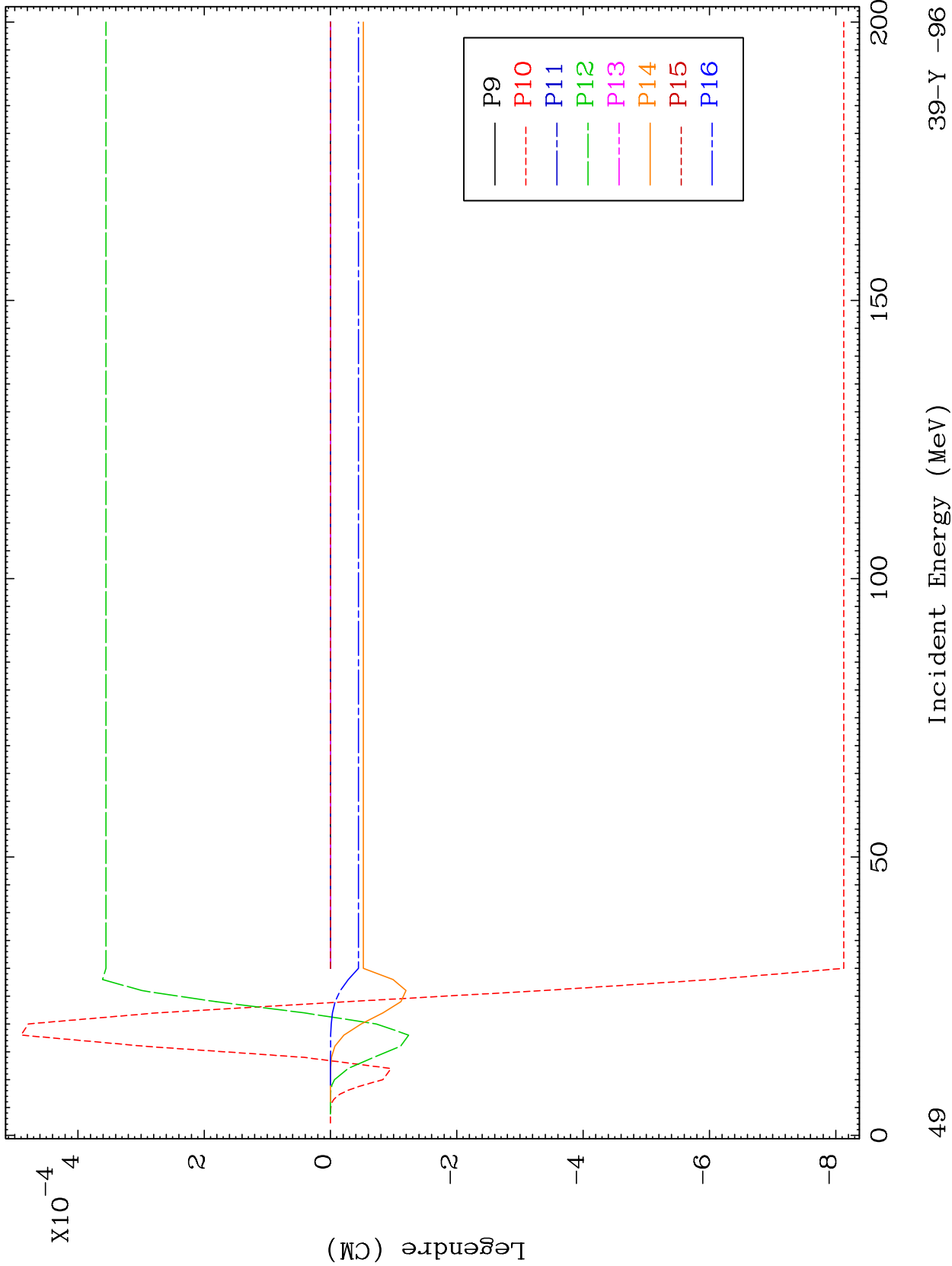




MAT 3946

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

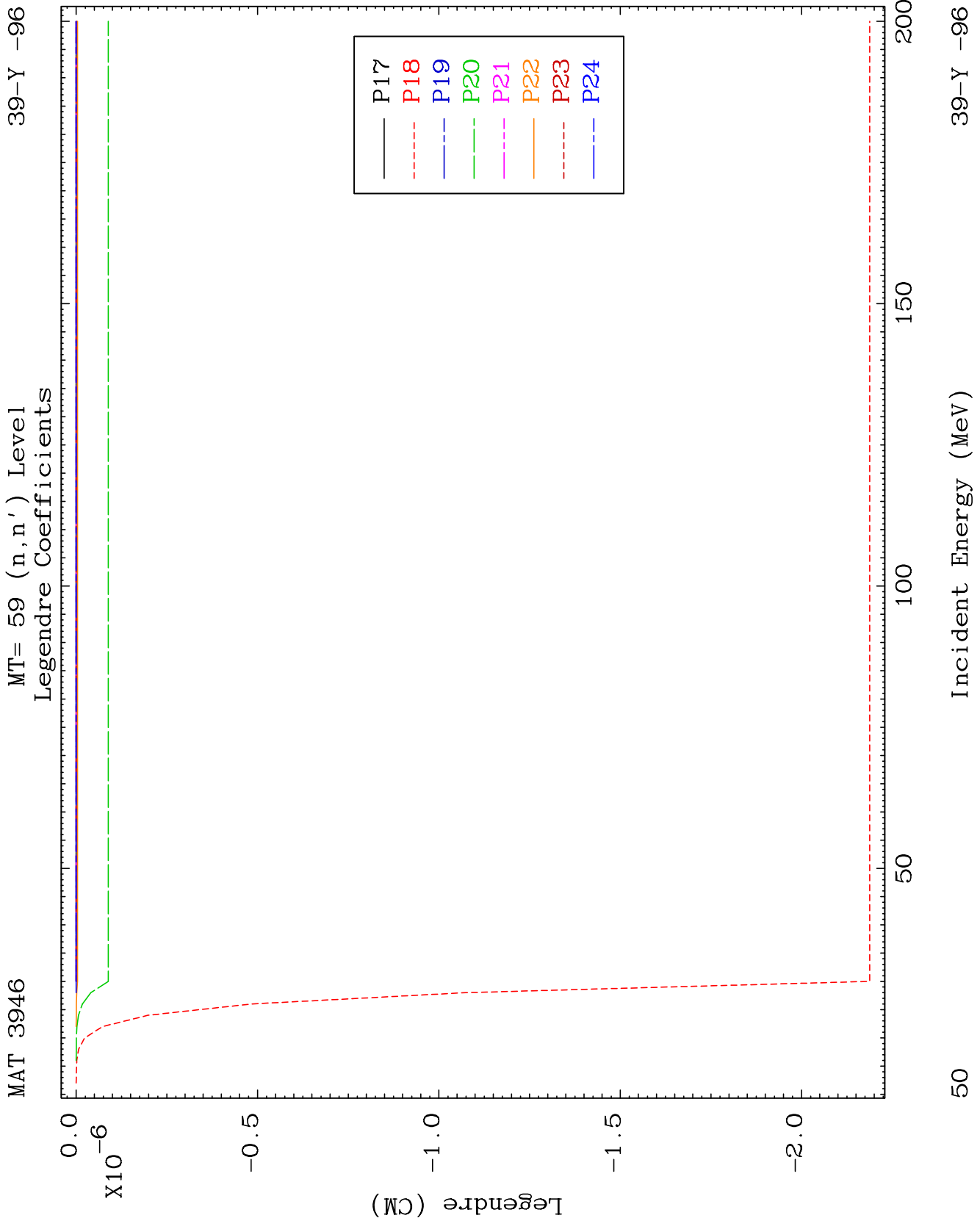
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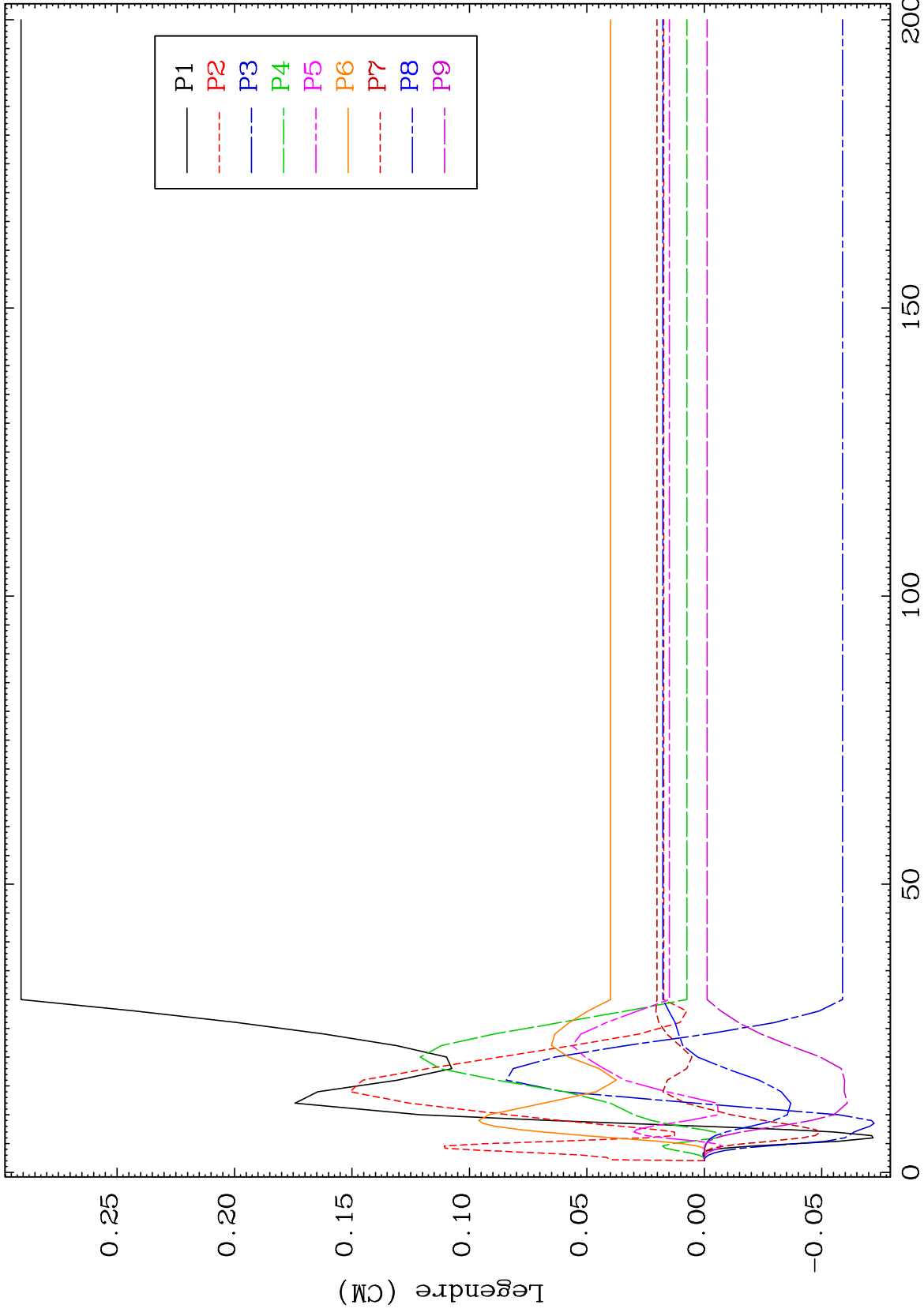


49

Incident Energy (MeV)

39-Y -96

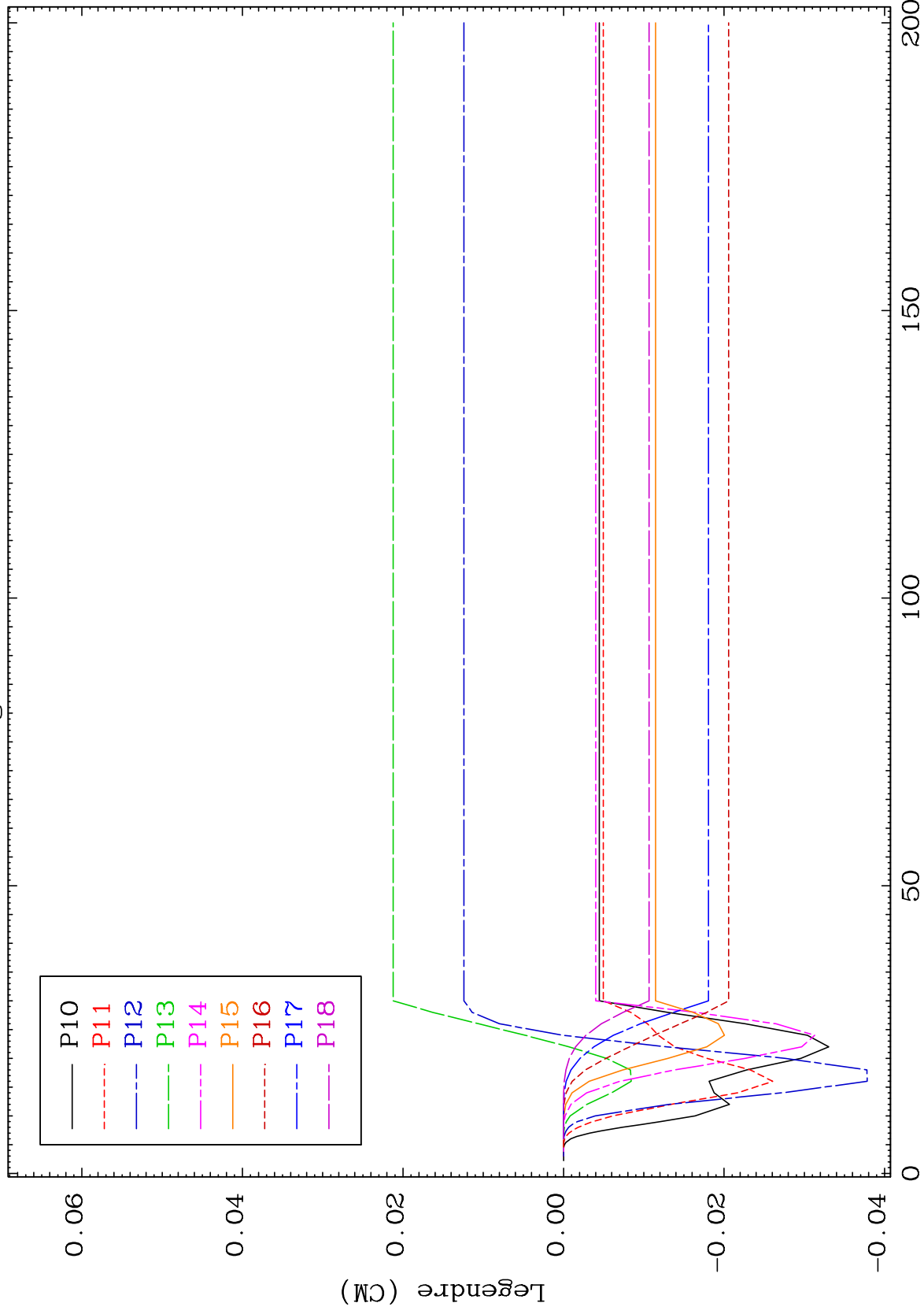




MAT 3946

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

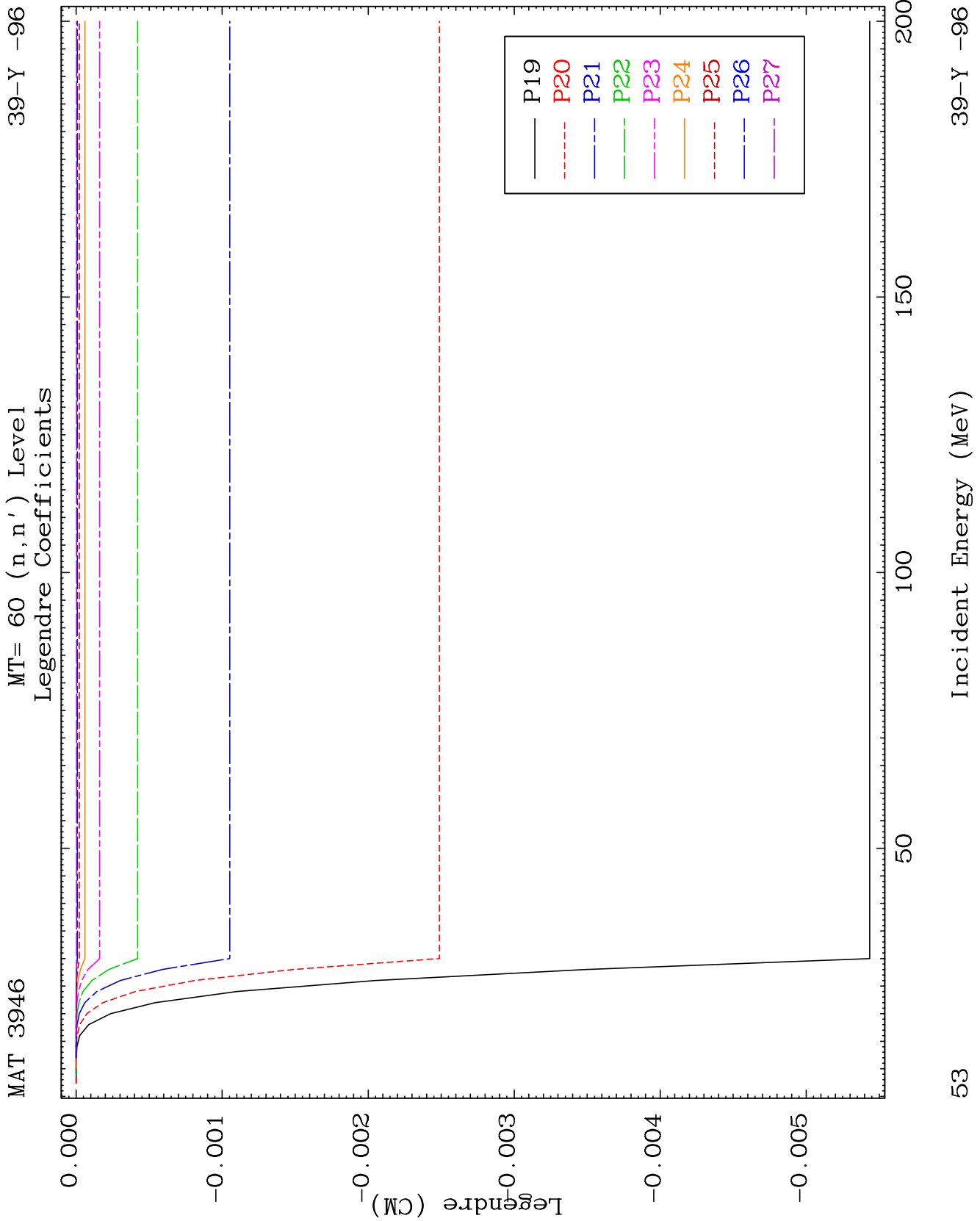
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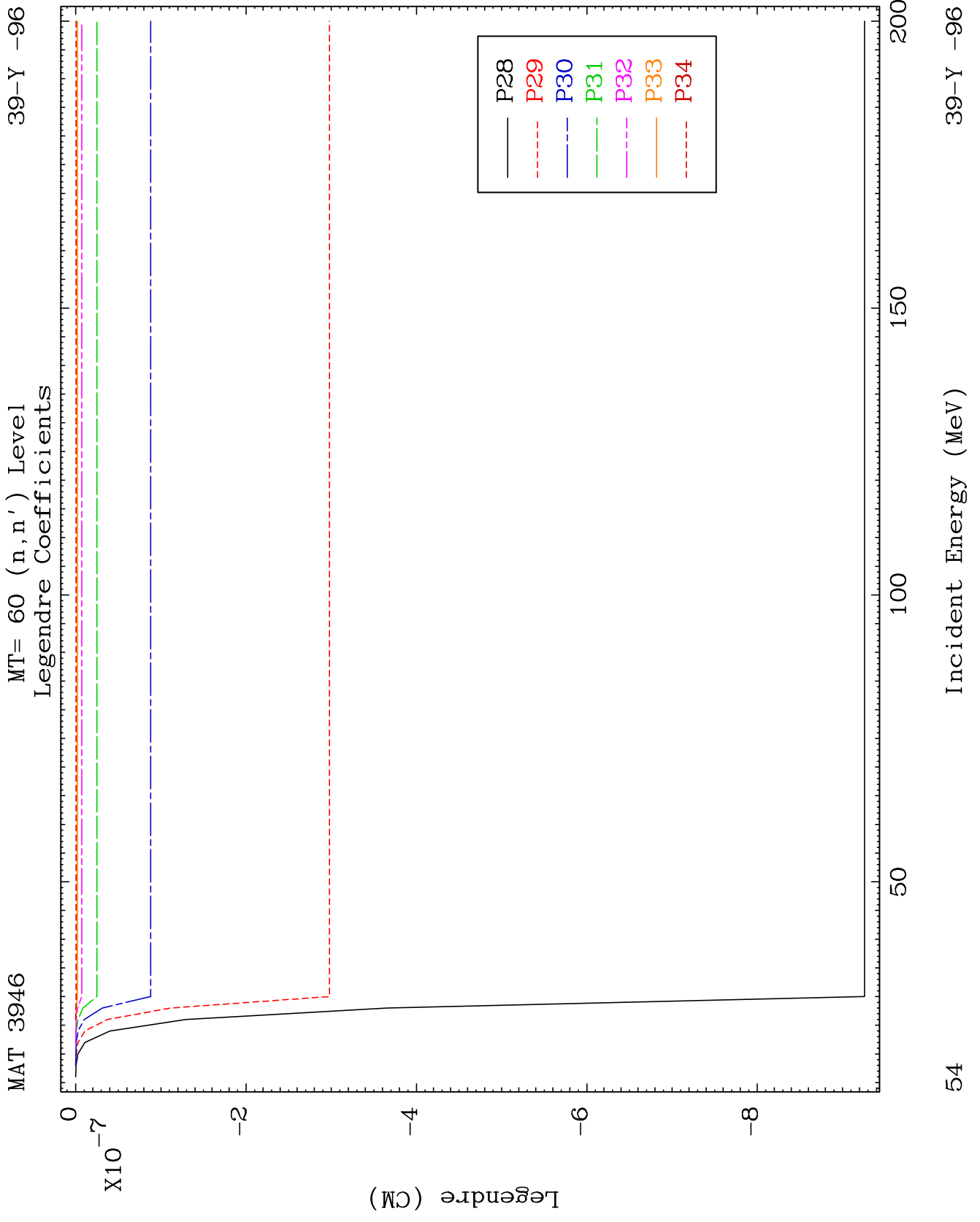


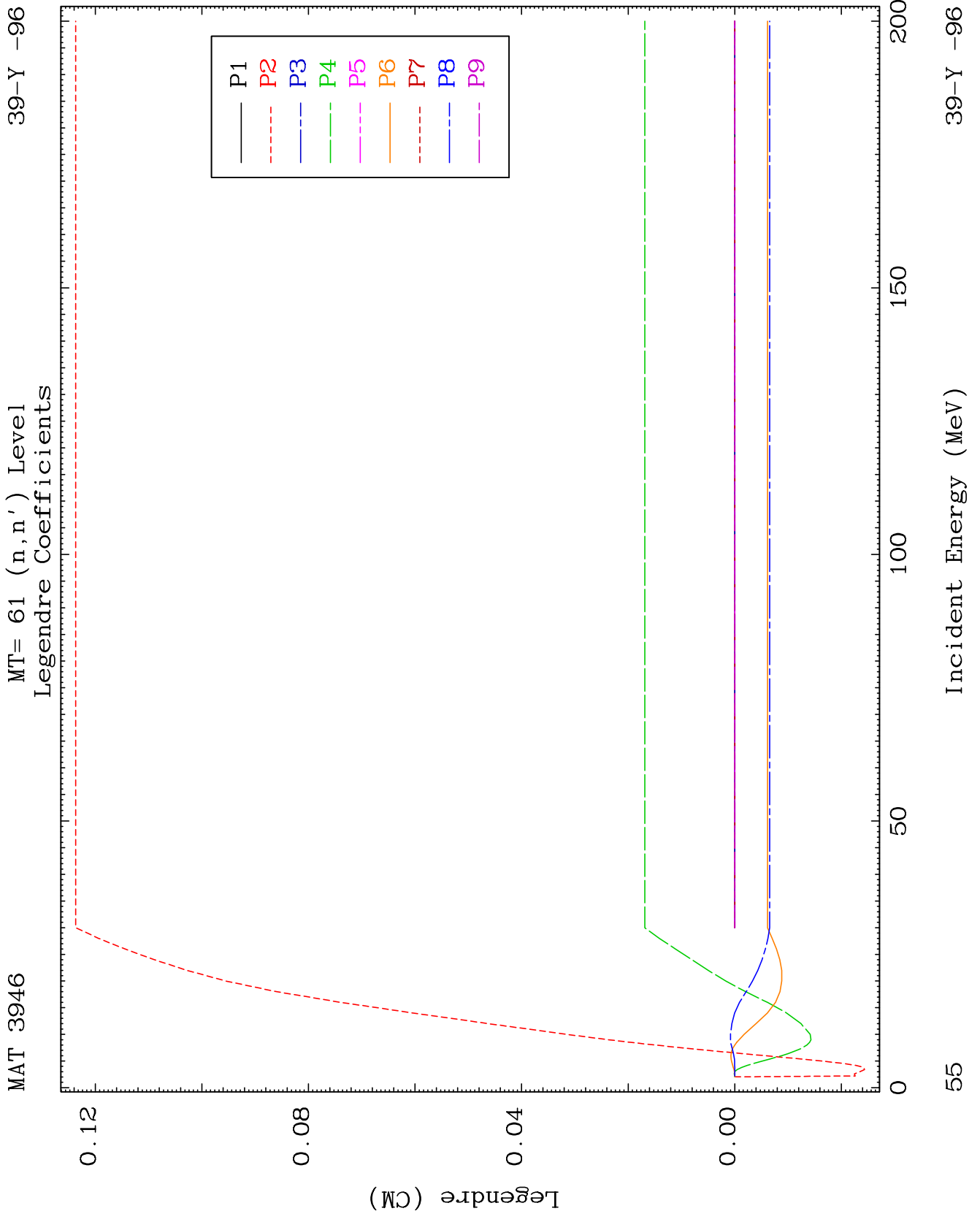
Incident Energy (MeV)

39-Y -96

52



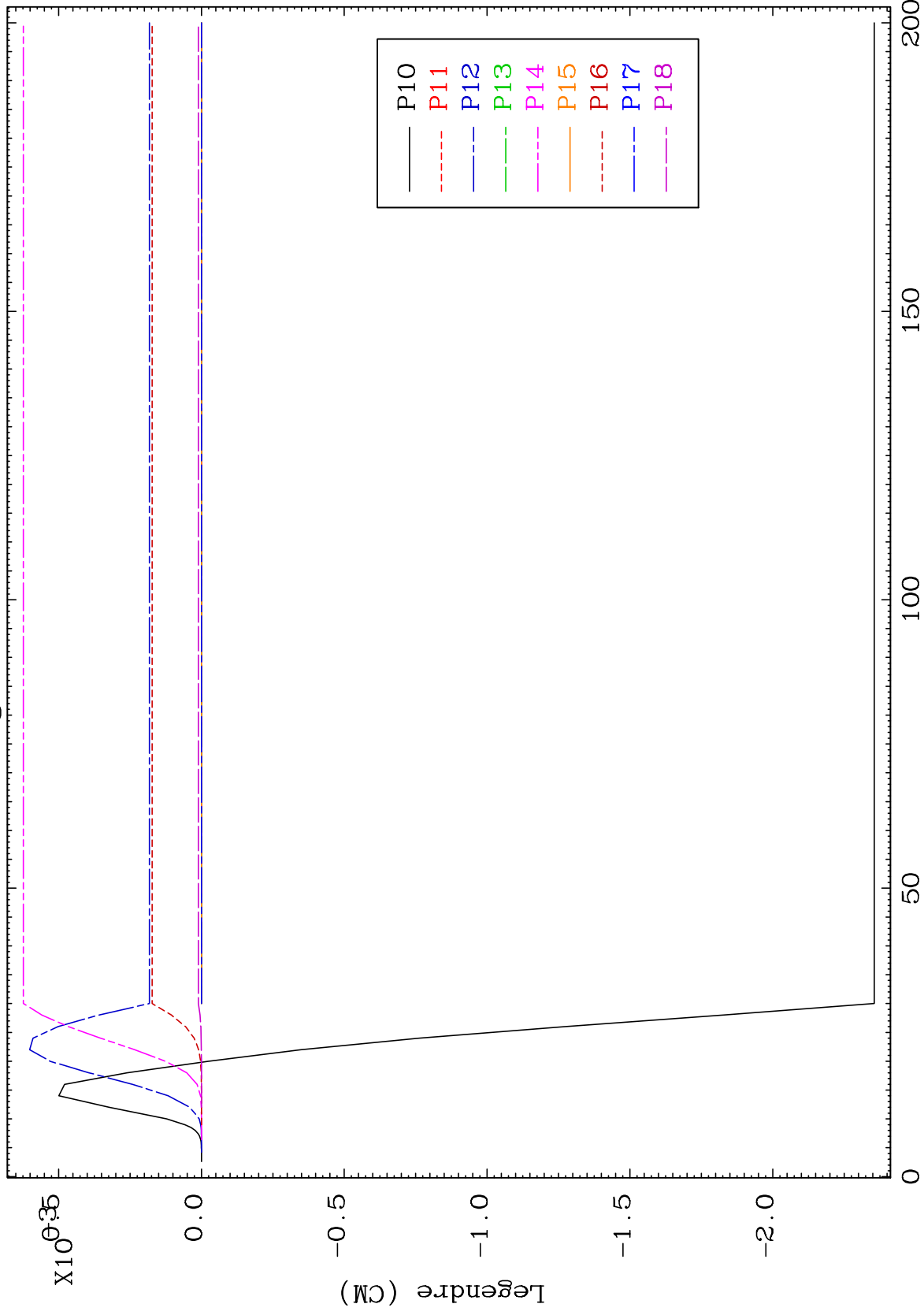




MAT 3946

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

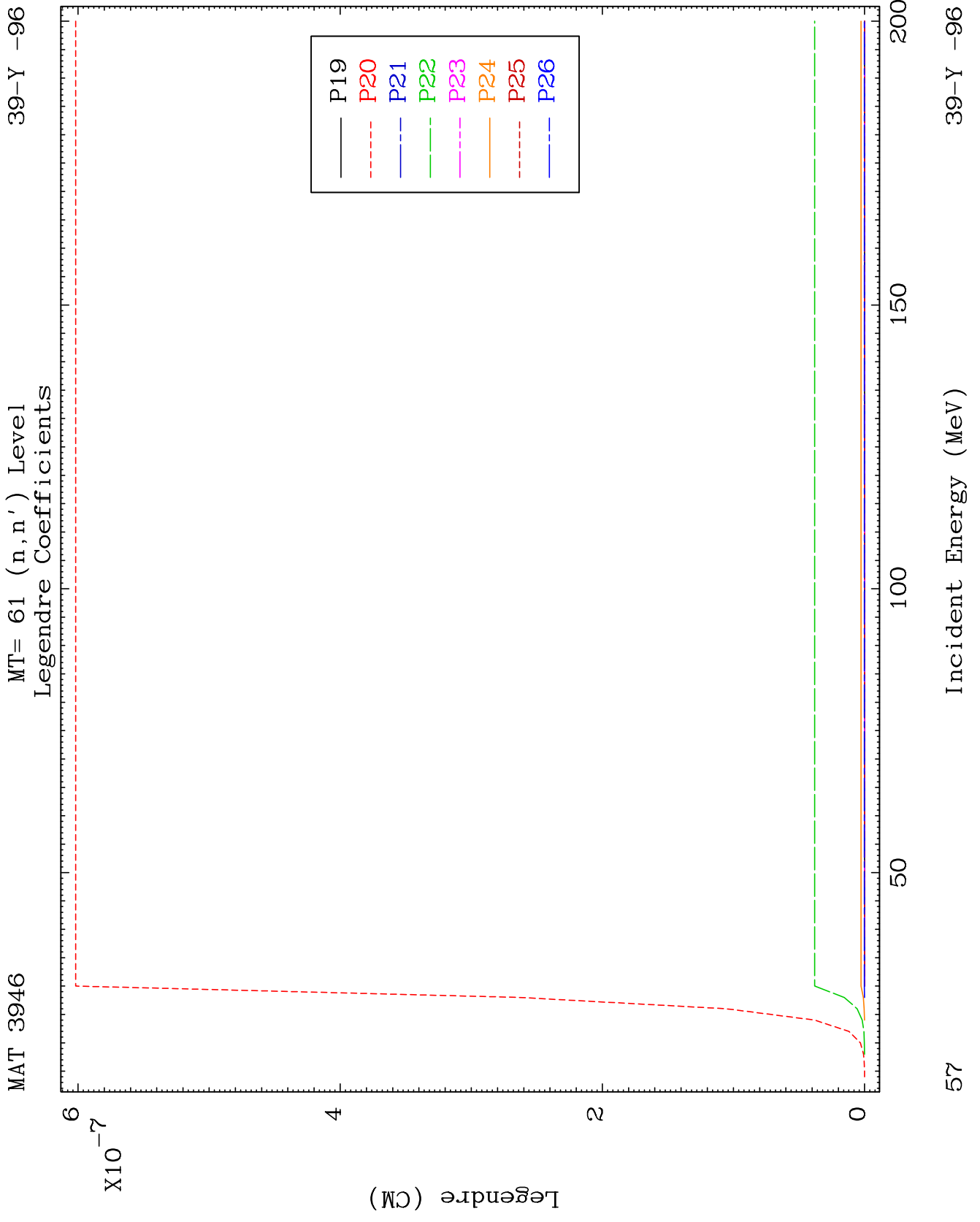
39-Y -96



56

Incident Energy (MeV)

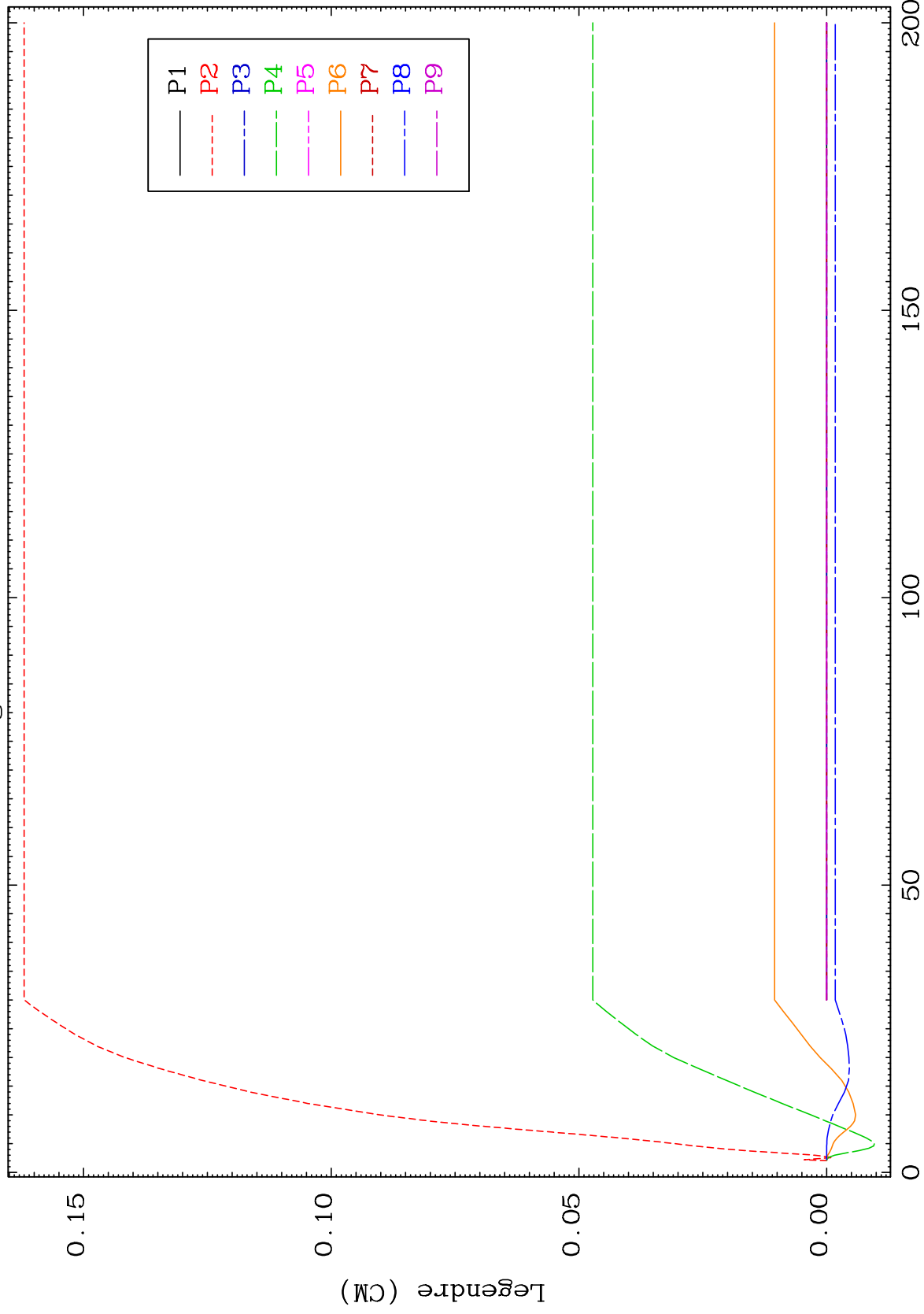
39-Y -96



MAT 3946

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

39-Y -96



58

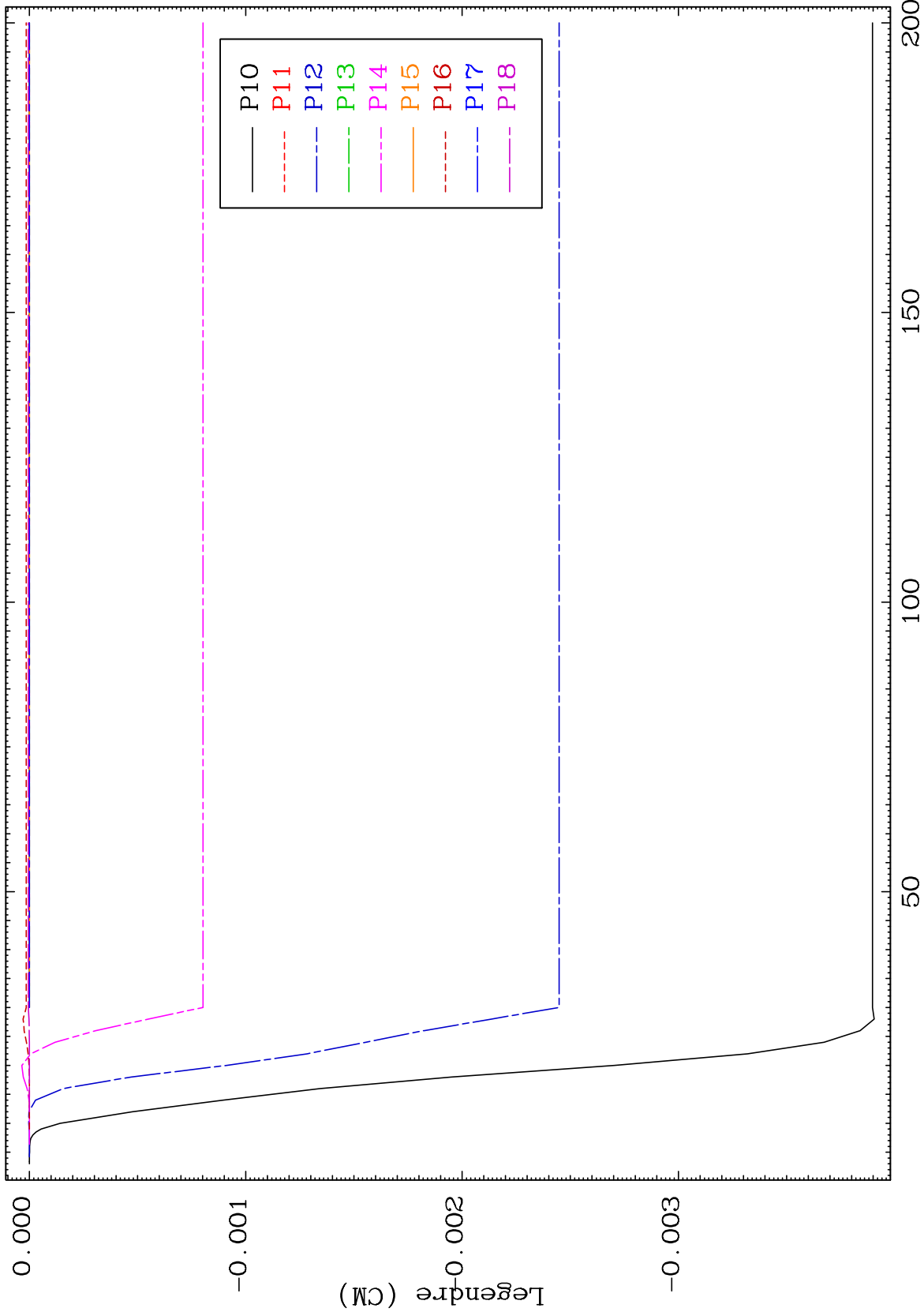
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



59

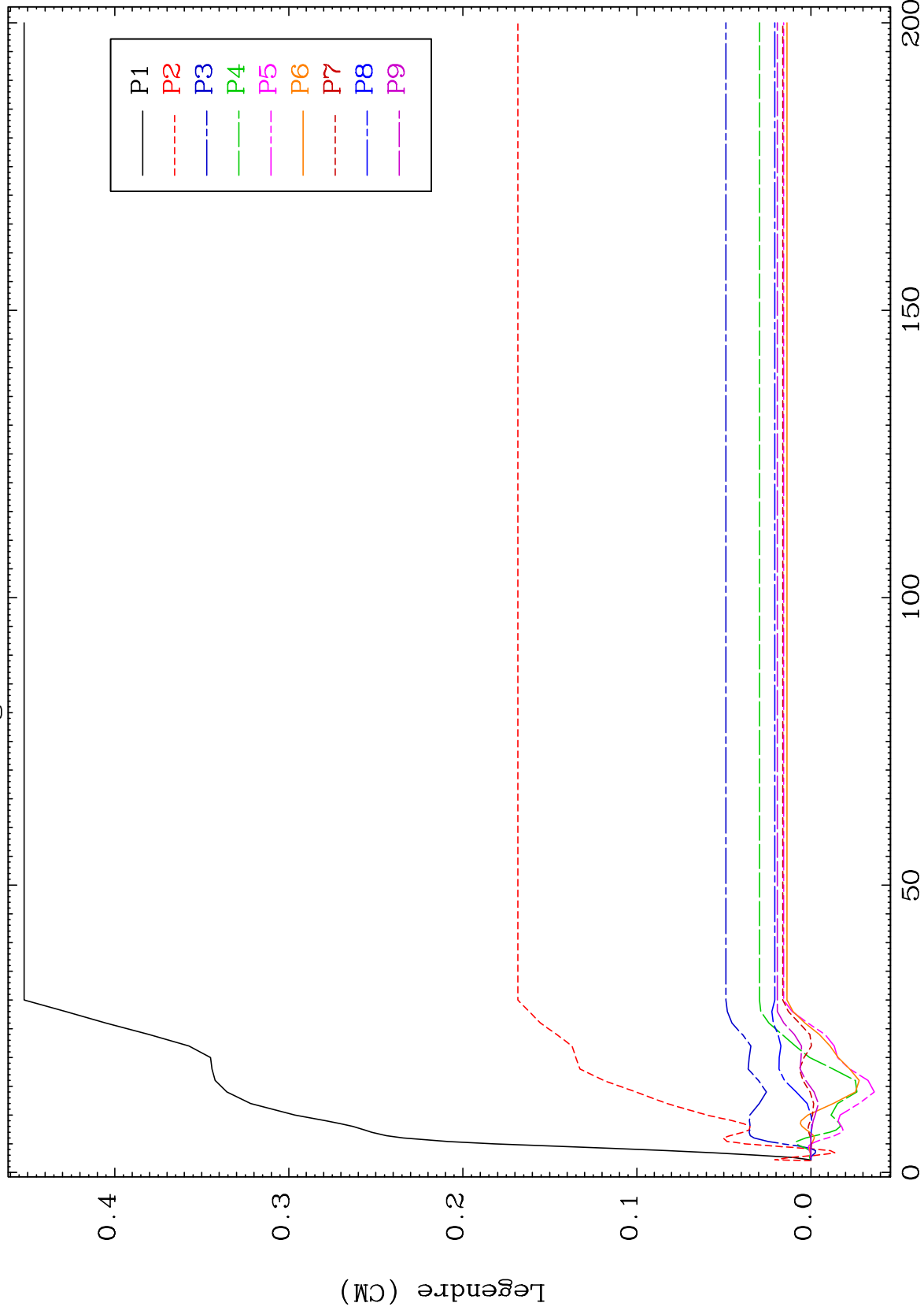
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



61

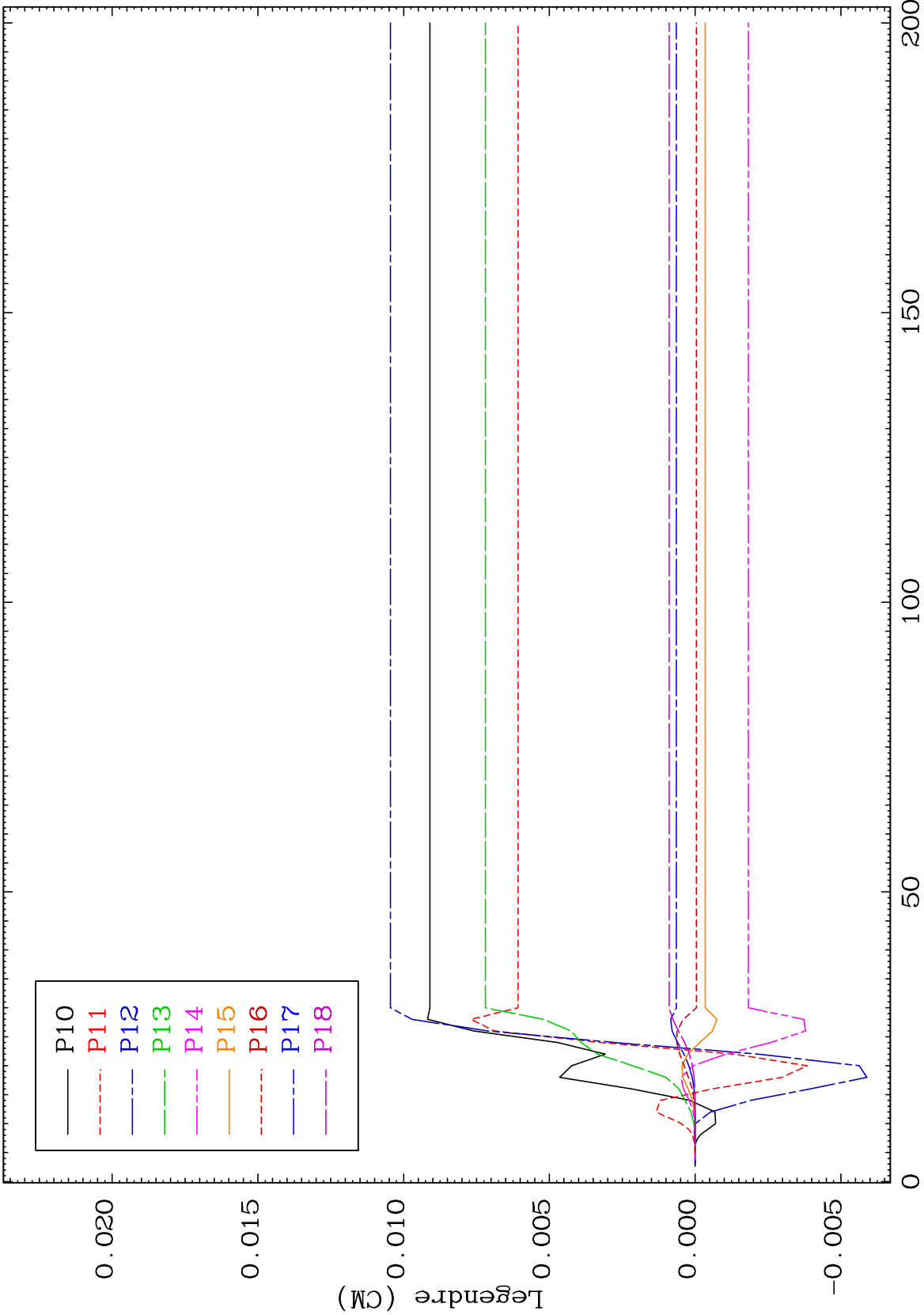
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



62

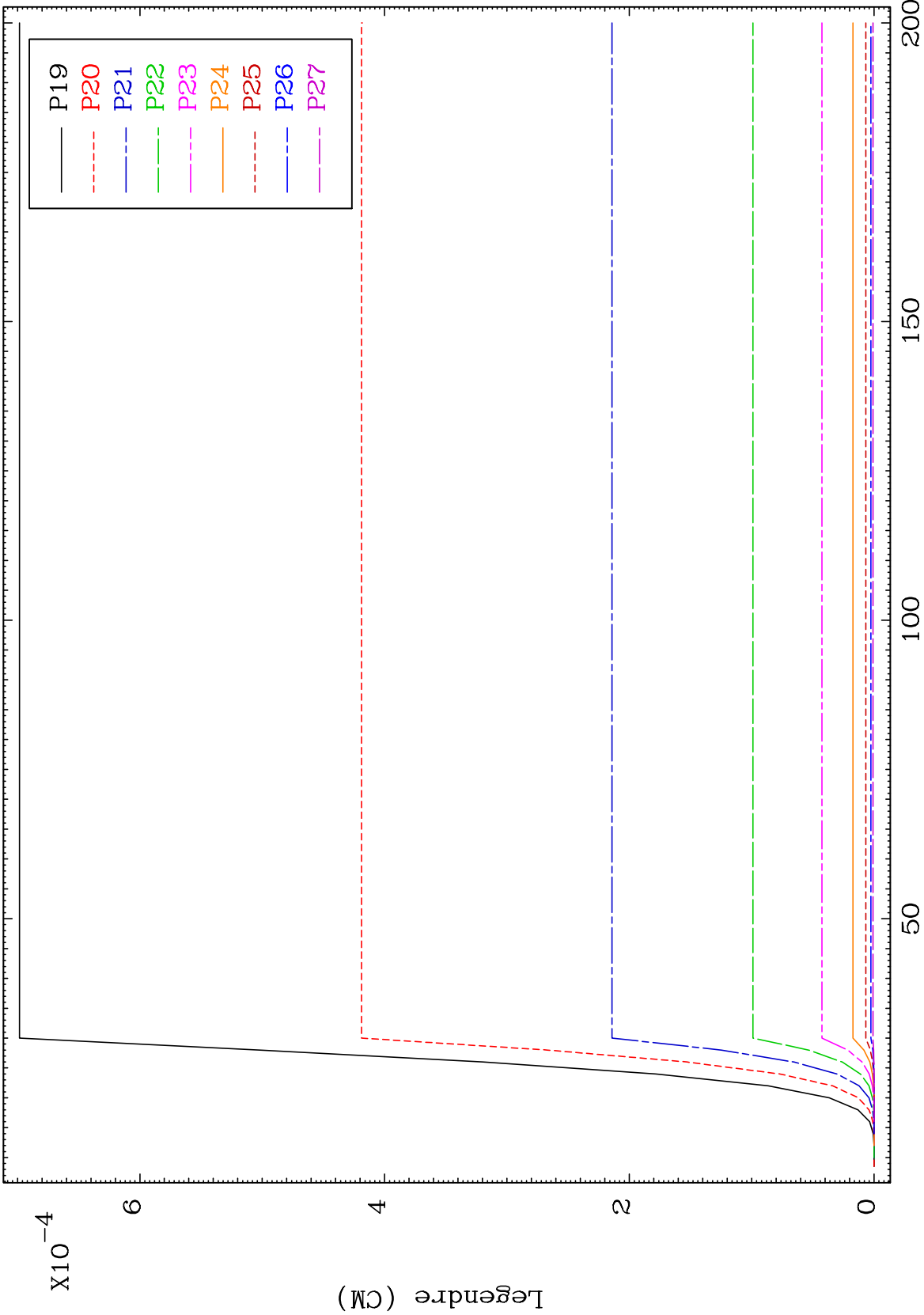
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



63

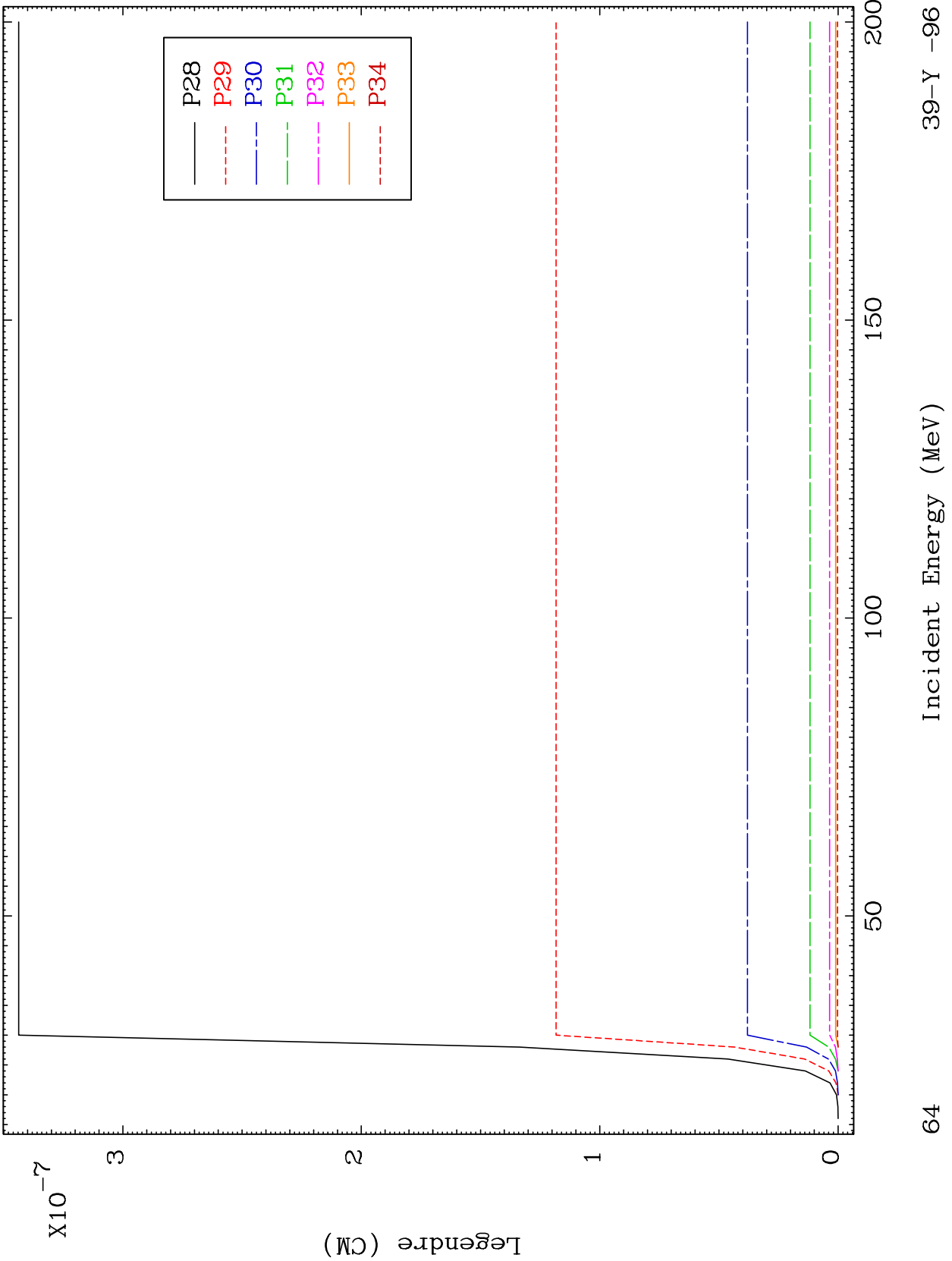
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



64

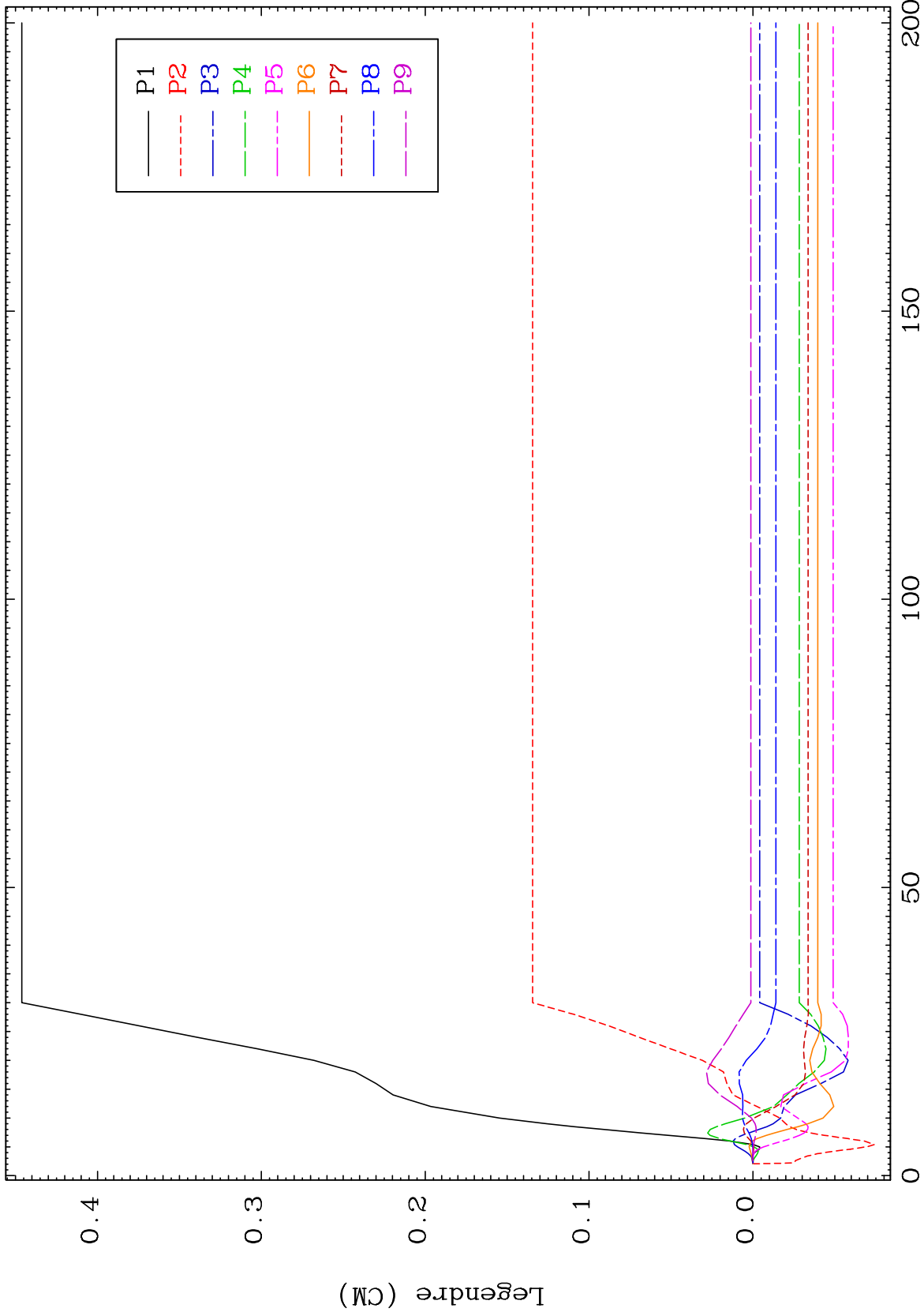
Incident Energy (MeV)

39-Y -96

MAT 3946

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

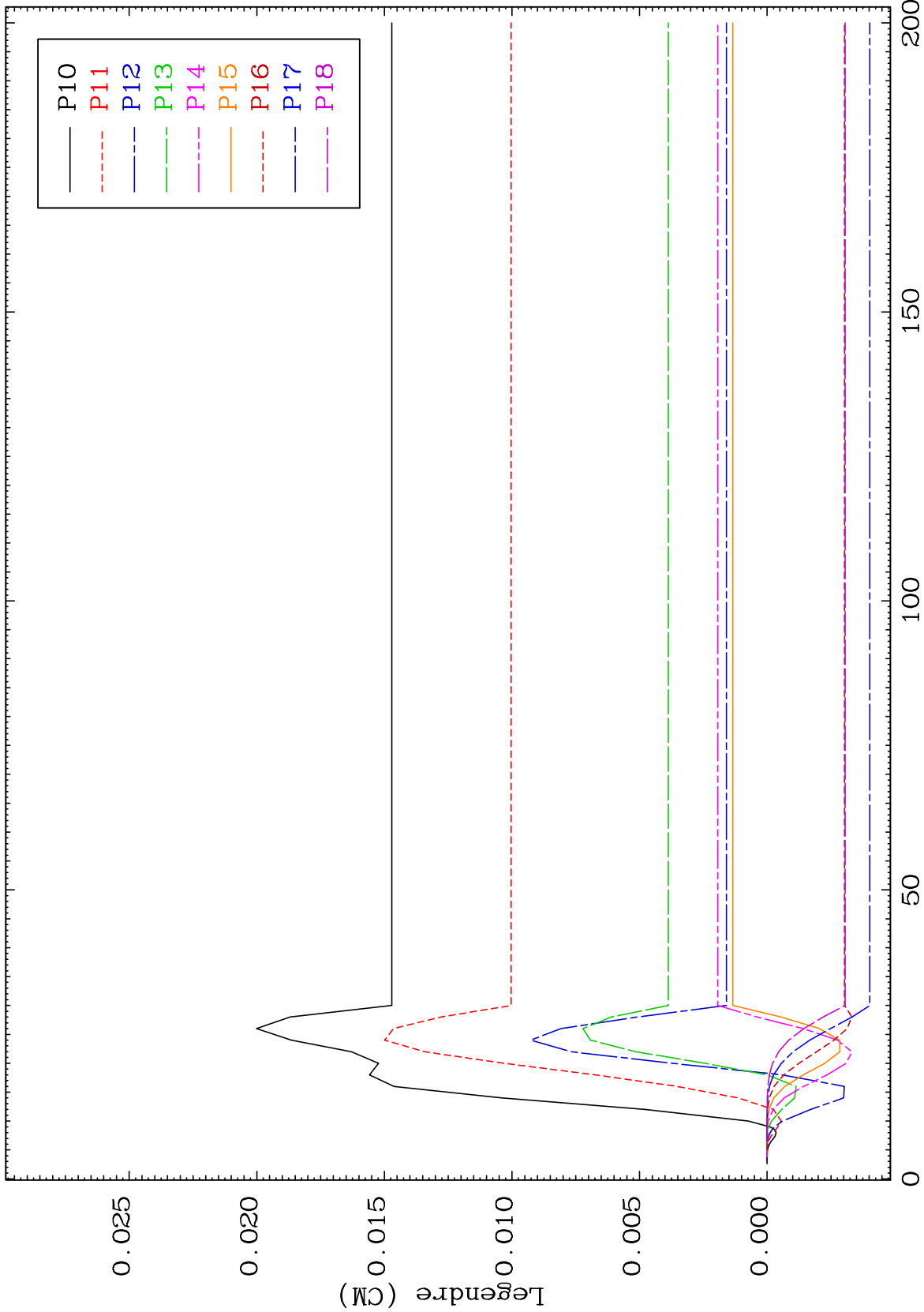
39-Y -96



39-Y -96

Incident Energy (MeV)

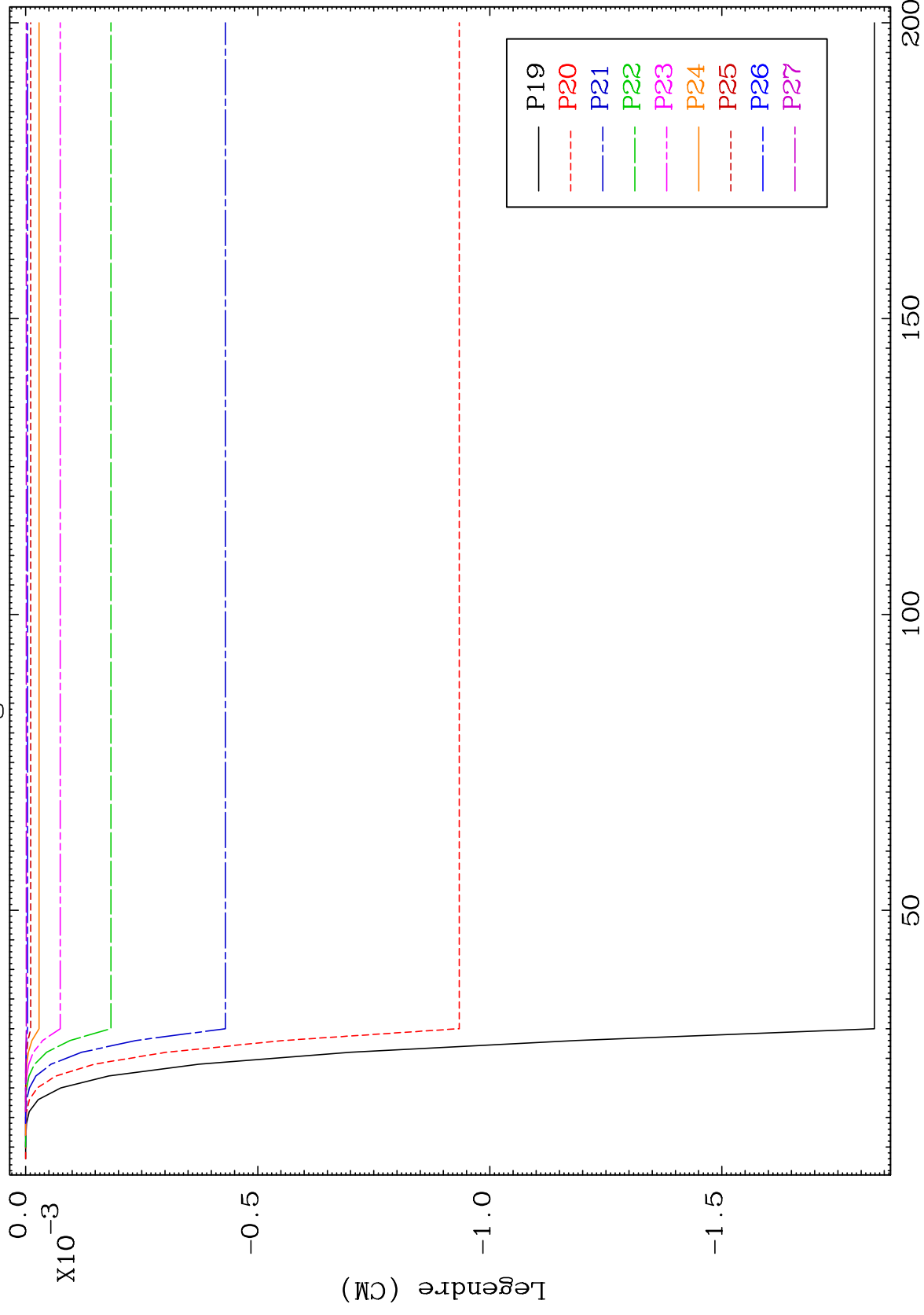
65



MAT 3946

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

39-Y -96



67

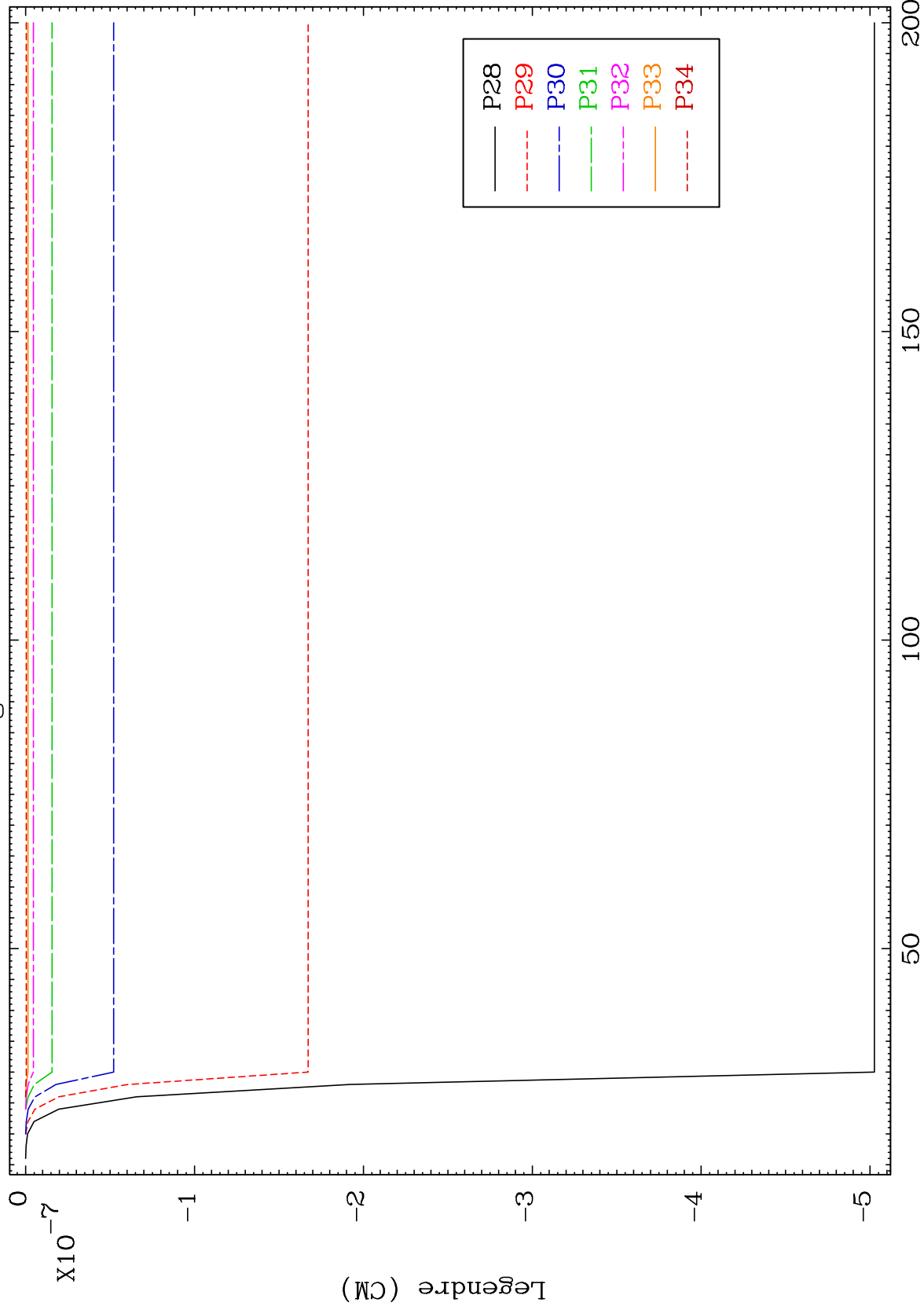
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



68

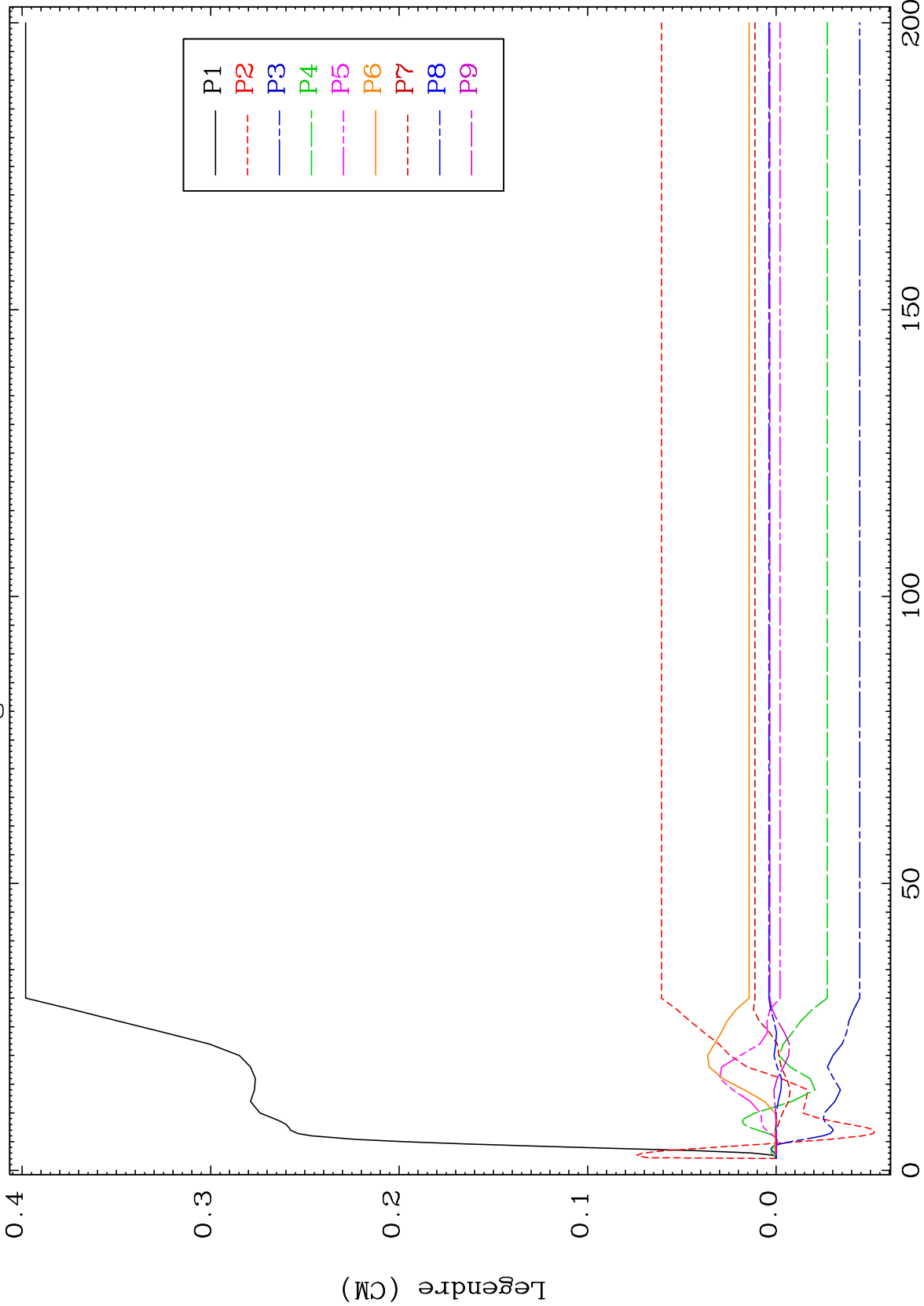
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



69

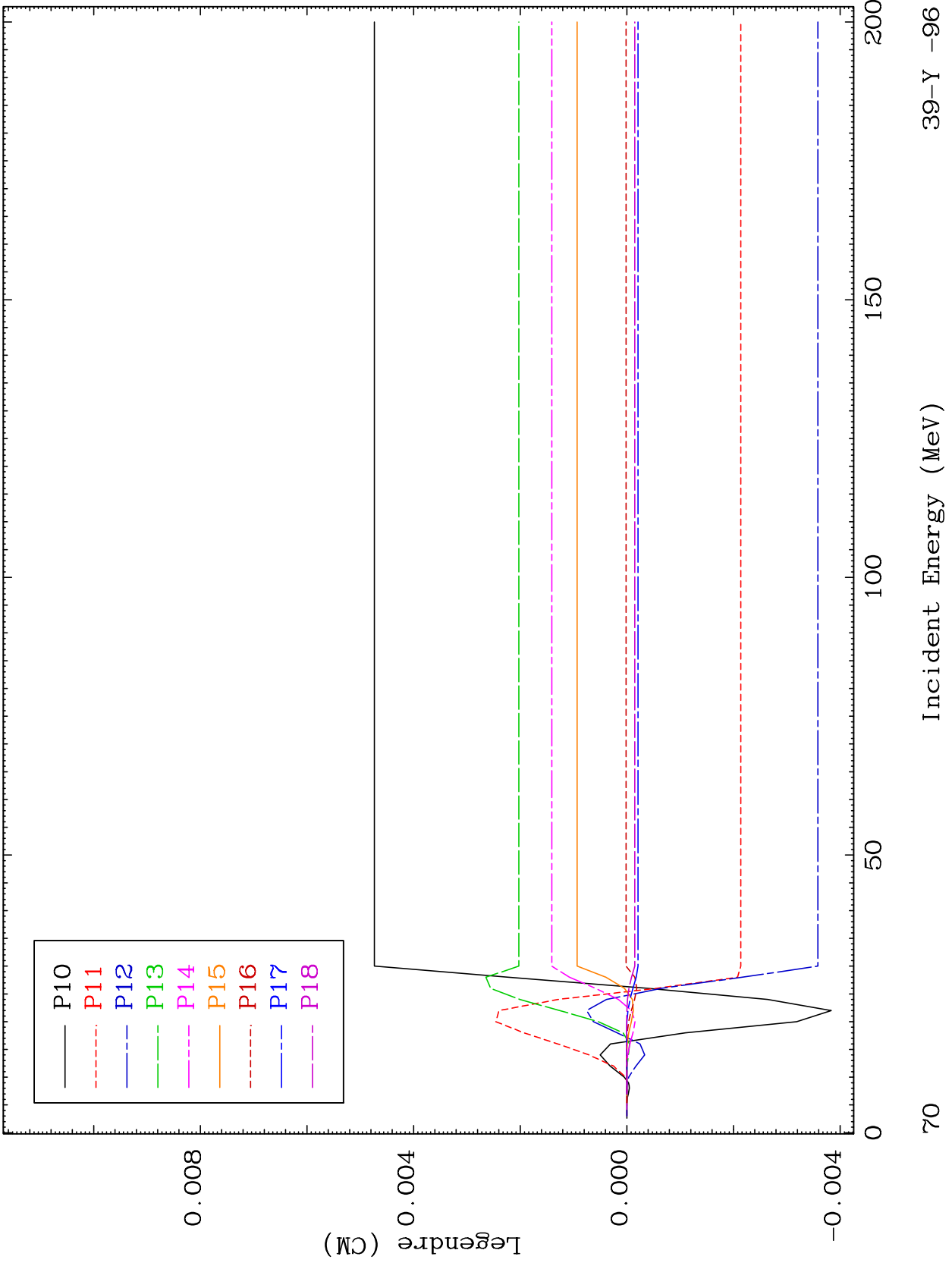
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



70

Incident Energy (MeV)

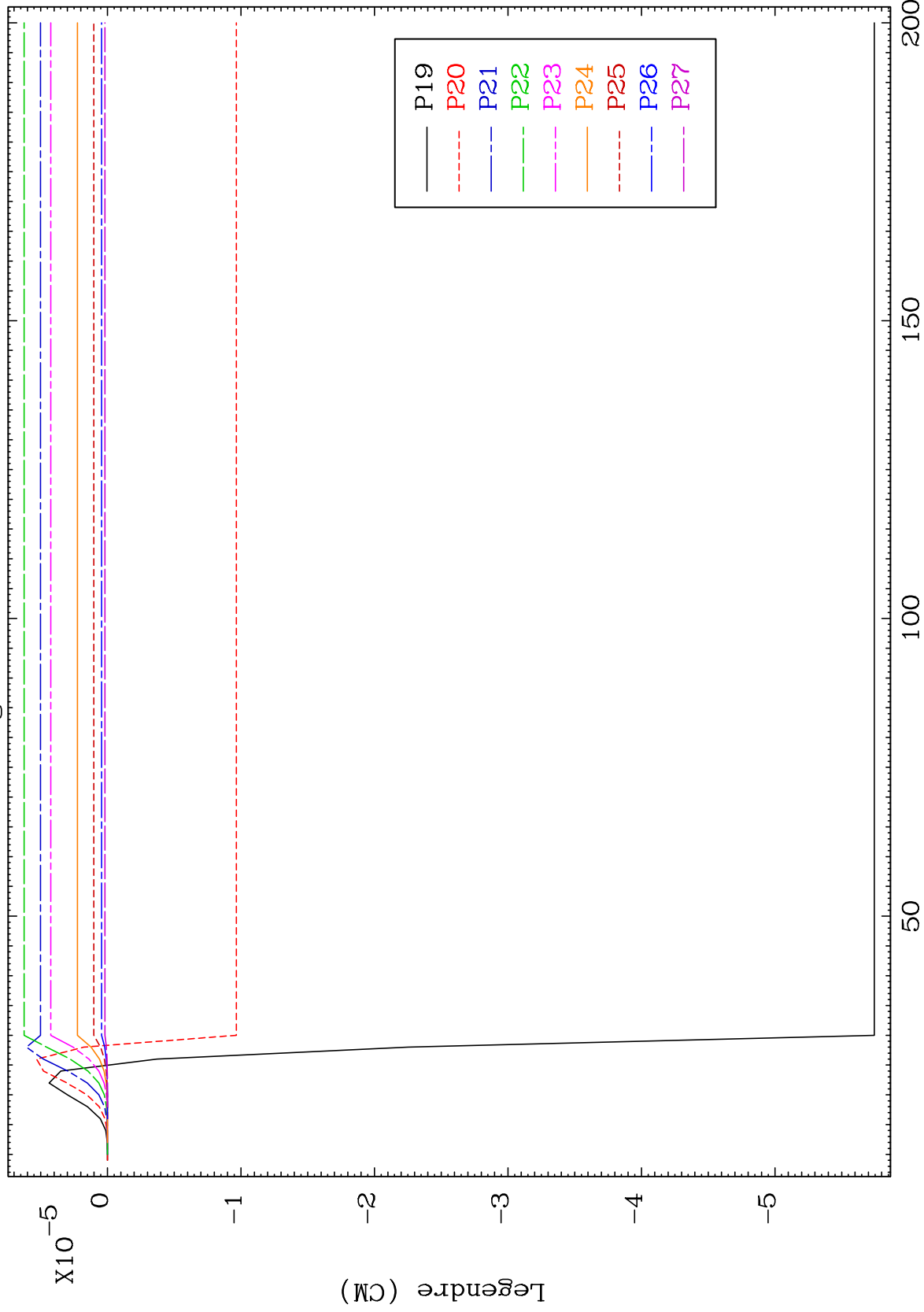
39-Y -96

MAT 3946

MT= 65 (n,n') Level

39-Y -96

Legendre Coefficients



71

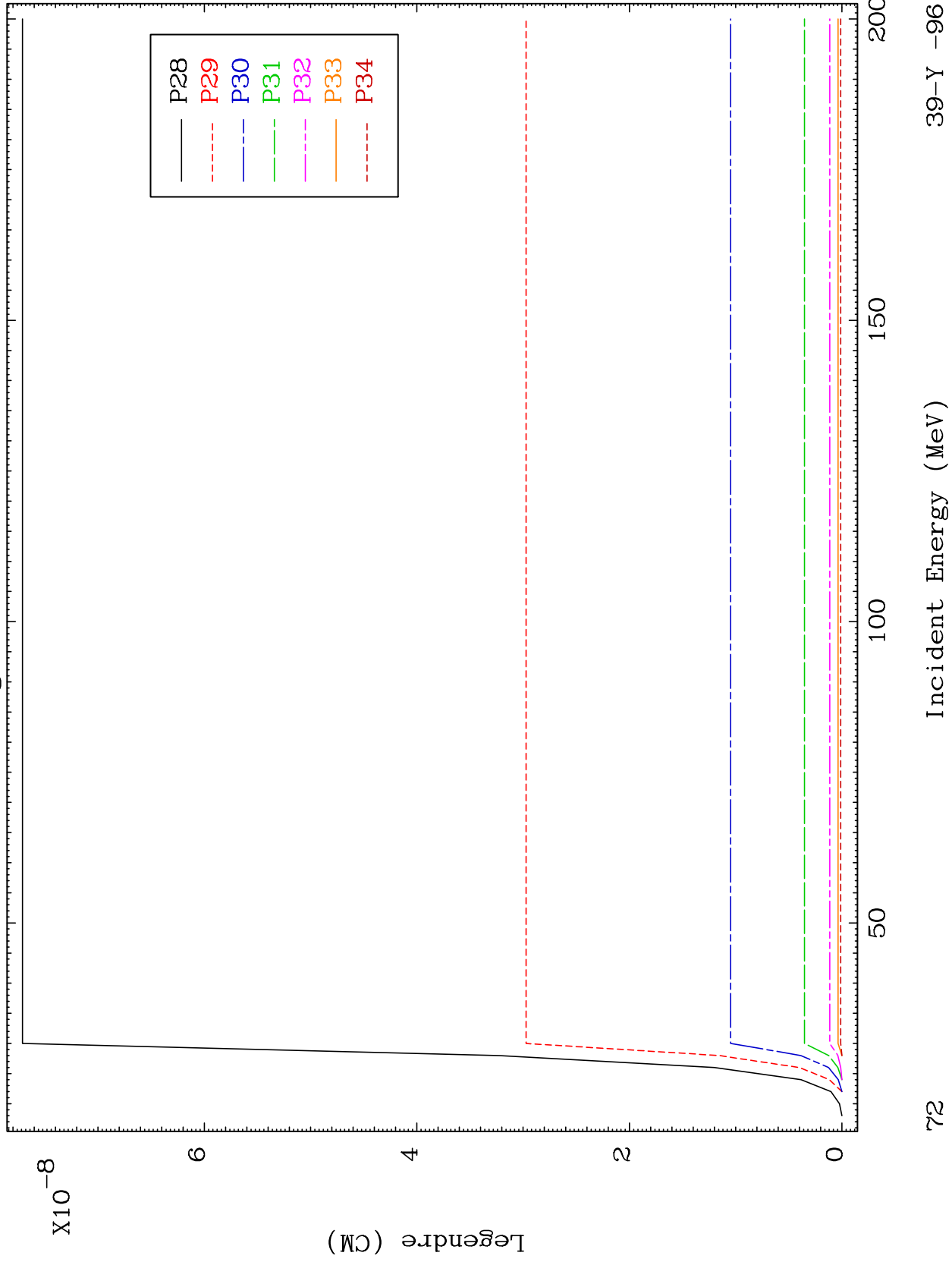
Incident Energy (MeV)

39-Y -96

MAT 3946

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

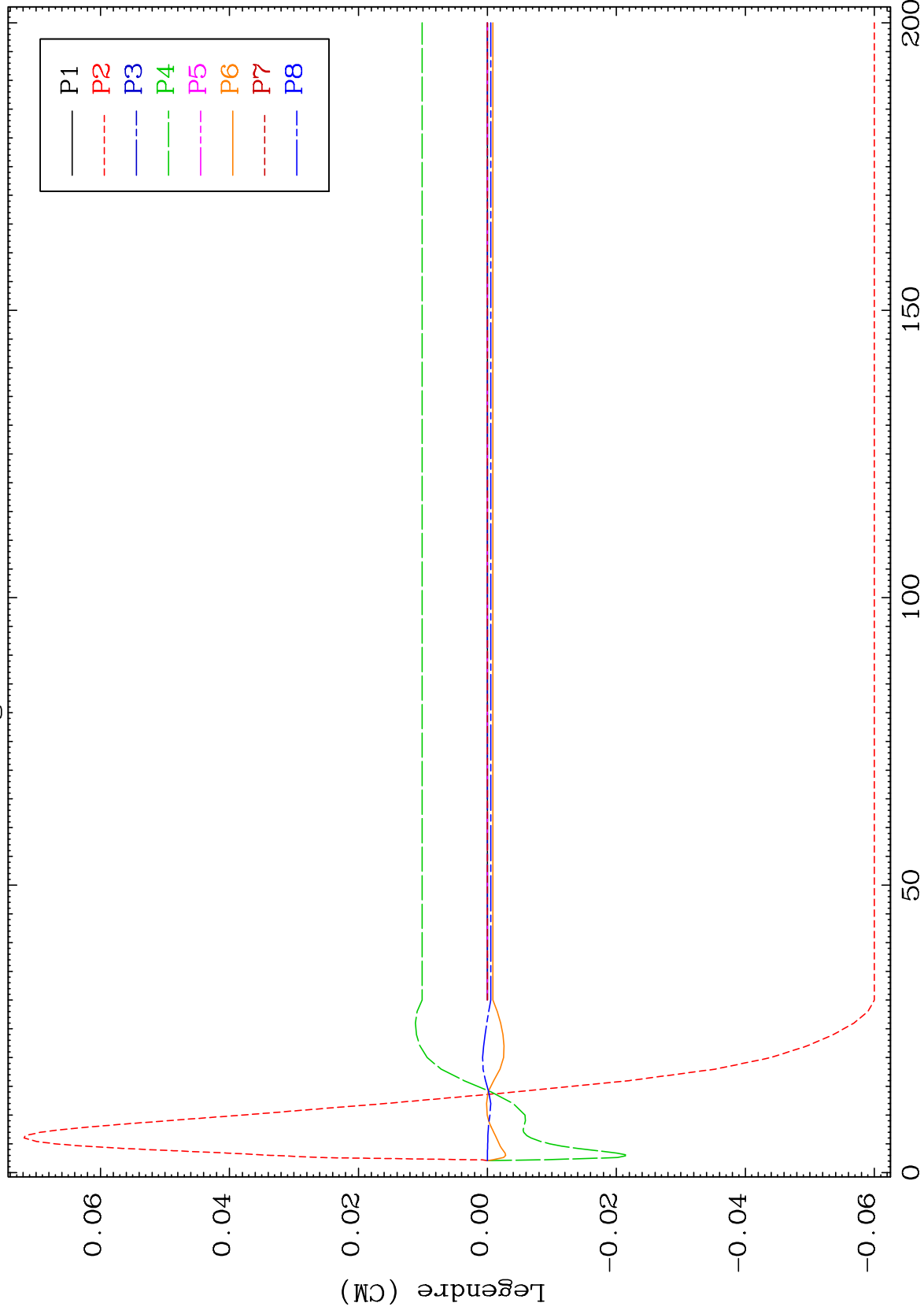
39-Y -96



MAT 3946

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

39-Y -96



73

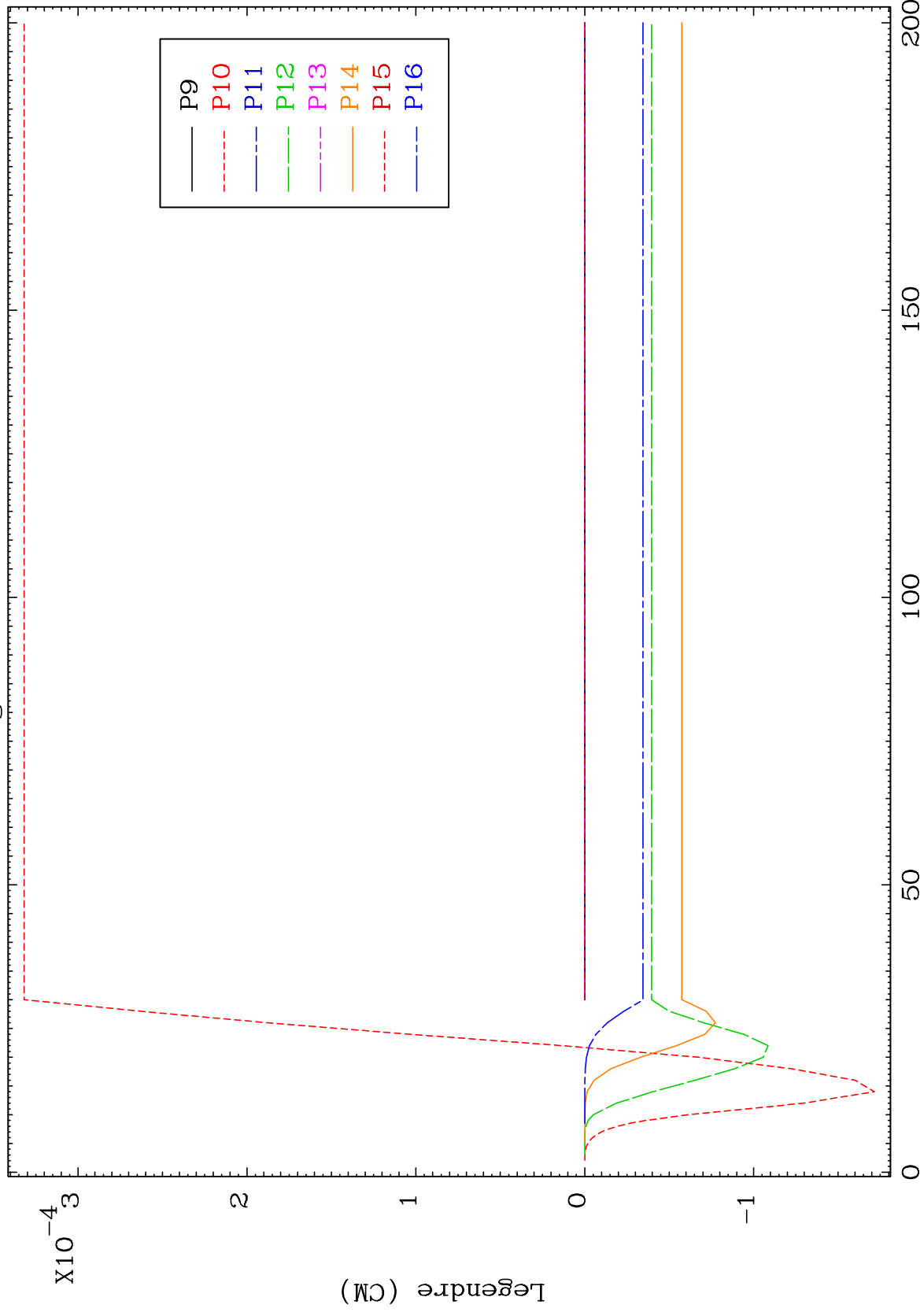
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



74

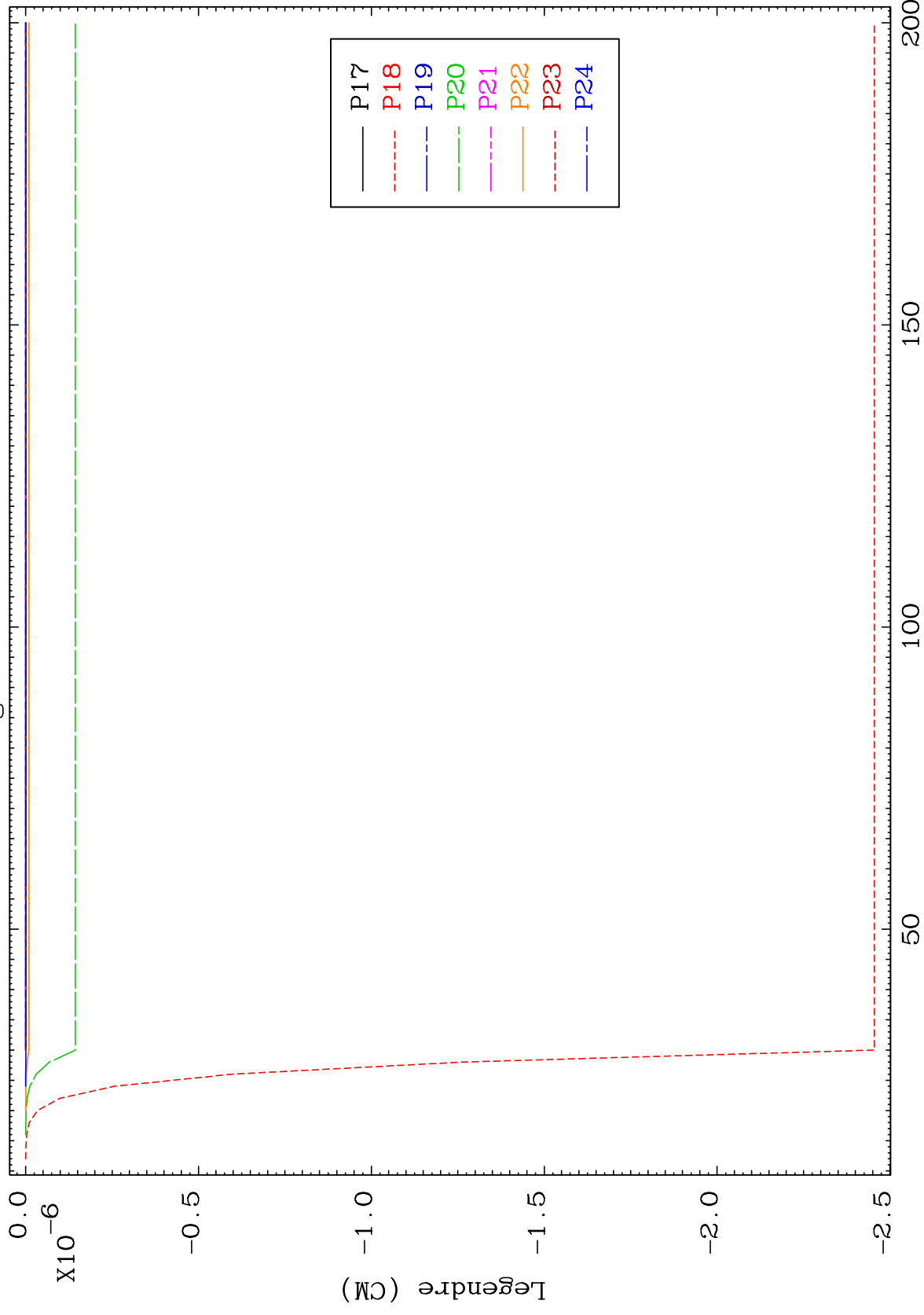
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



75

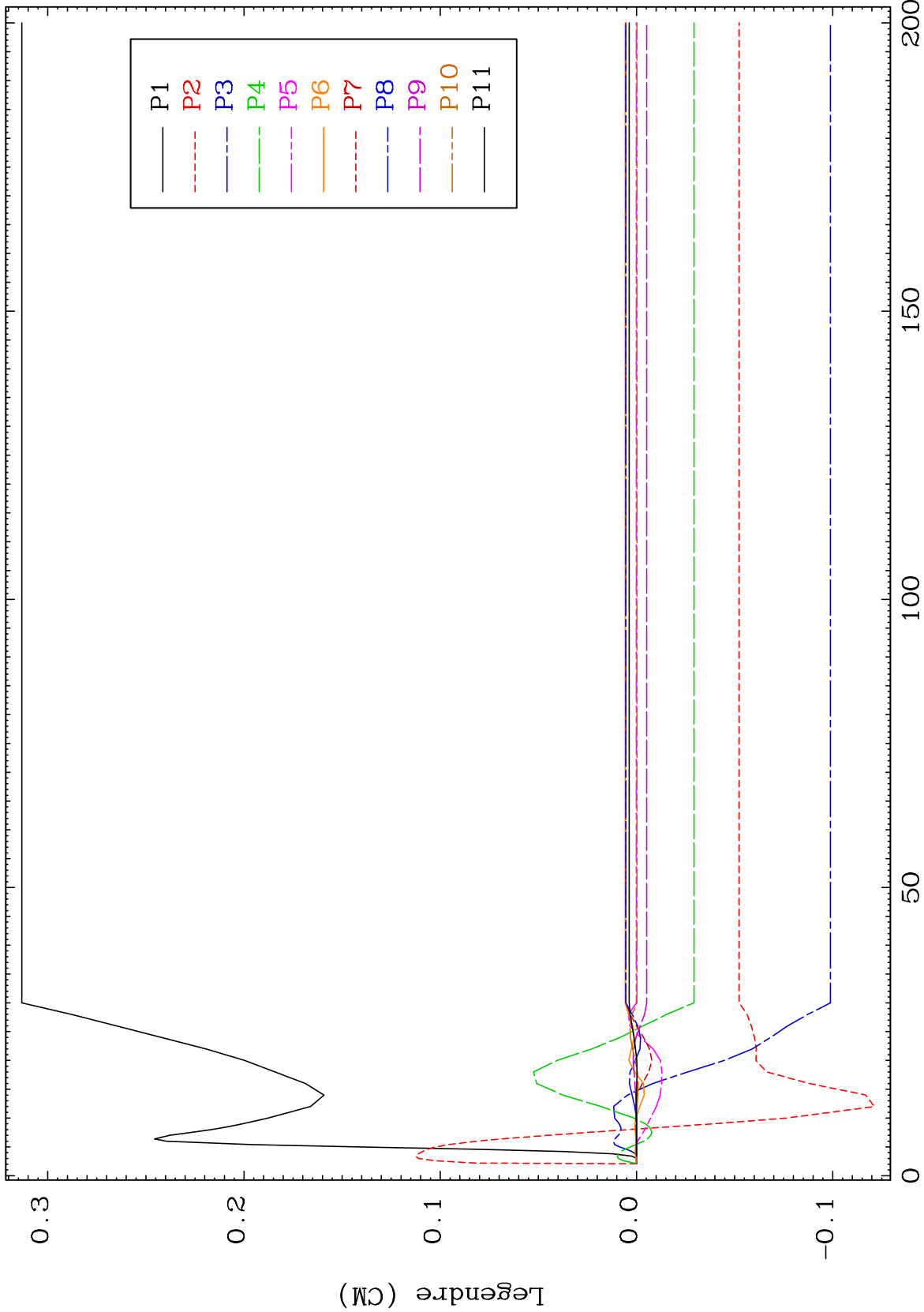
Incident Energy (MeV)

39-Y -96

MAT 3946

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

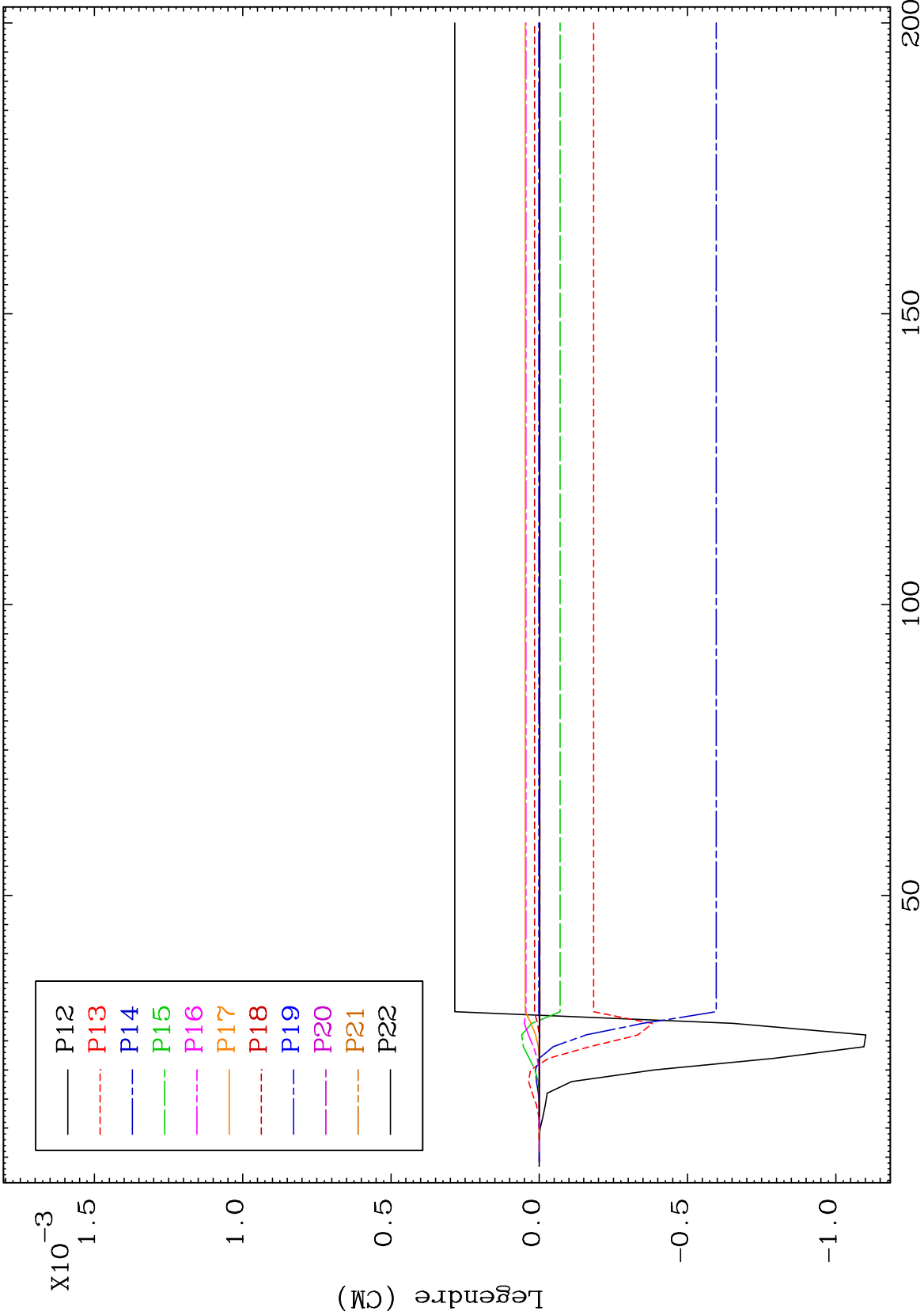
39-Y -96



76

Incident Energy (MeV)

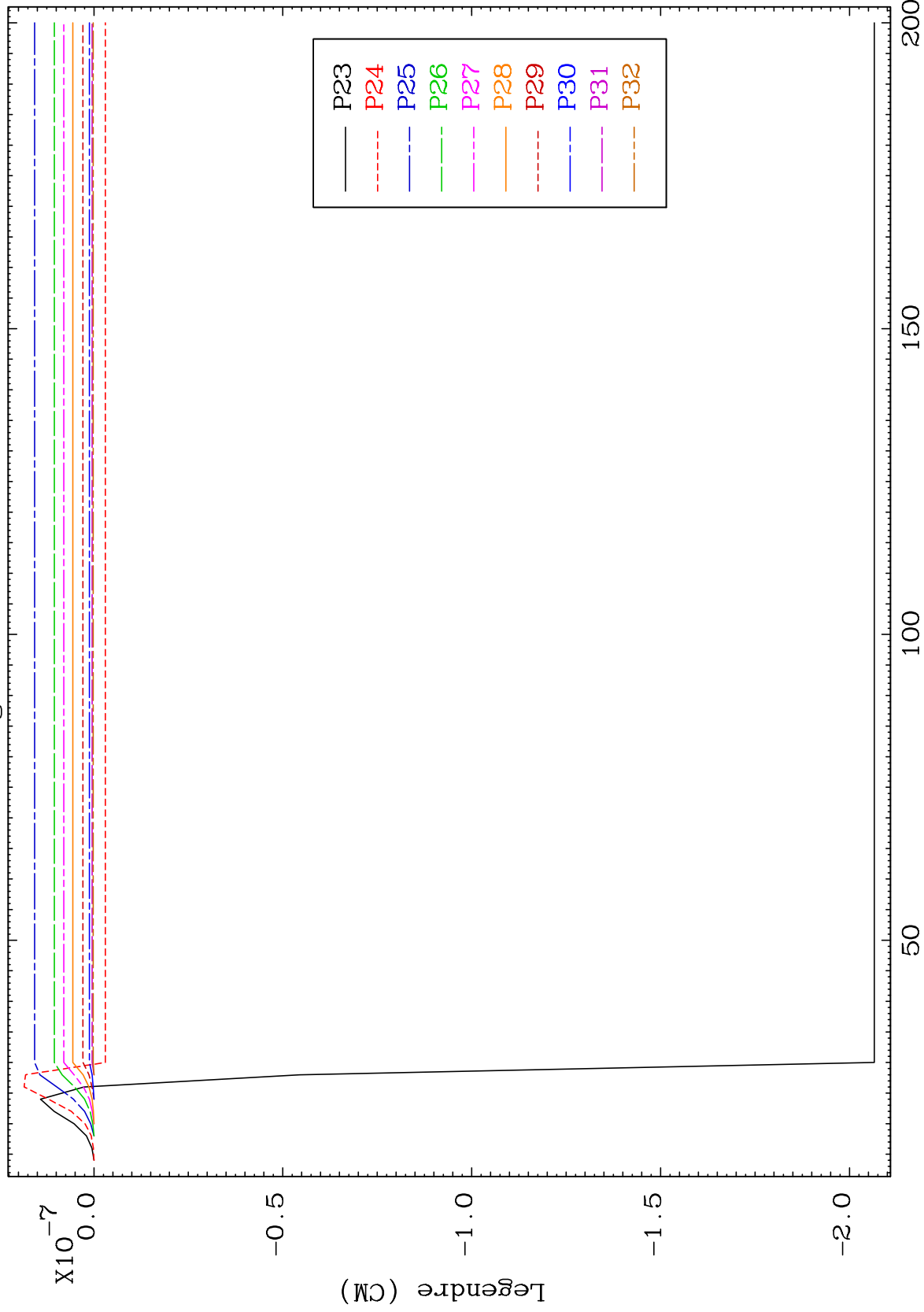
39-Y -96



MAT 3946

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

39-Y -96



78

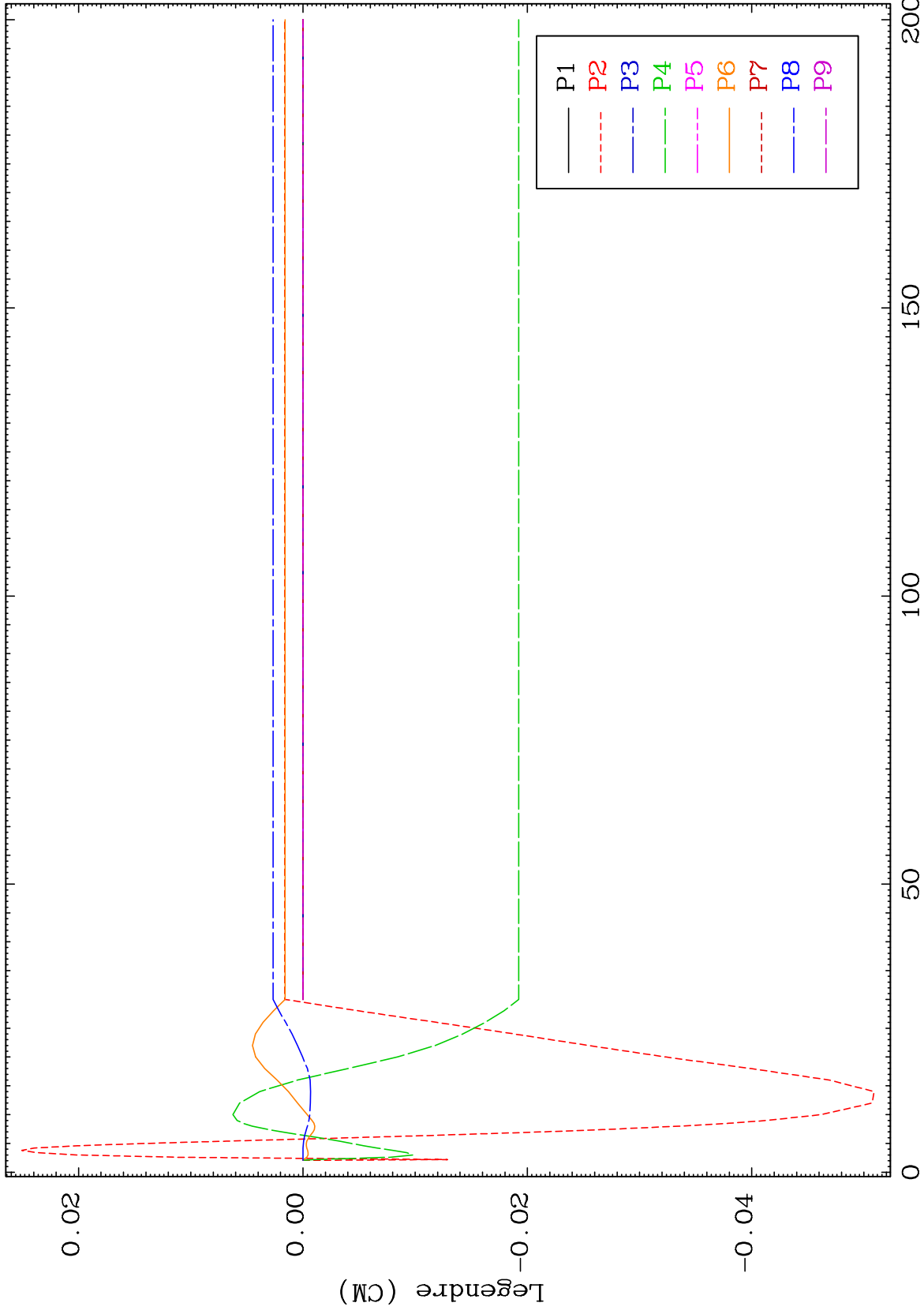
Incident Energy (MeV)

39-Y -96

MAT 3946

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

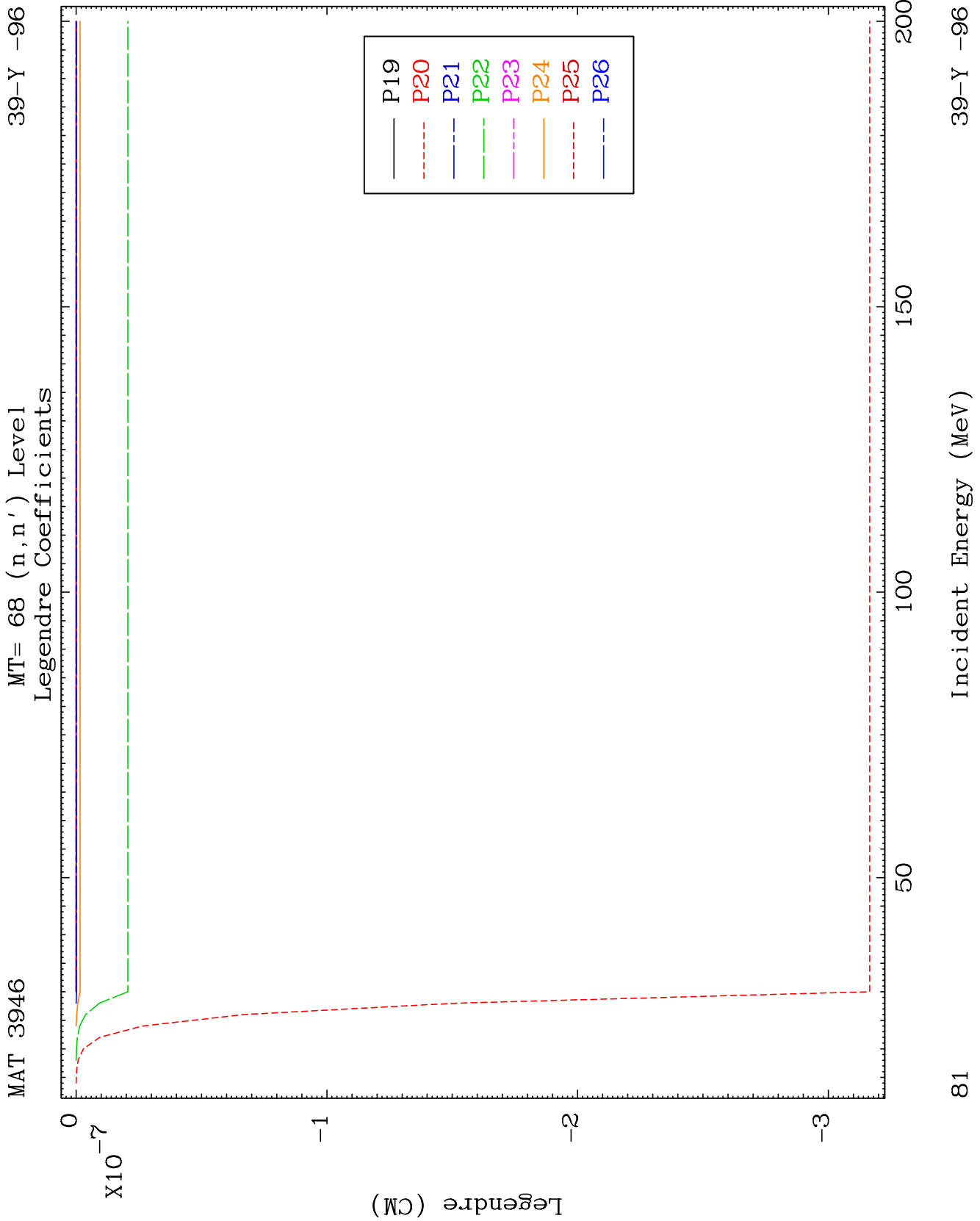
39-Y -96



79

Incident Energy (MeV)

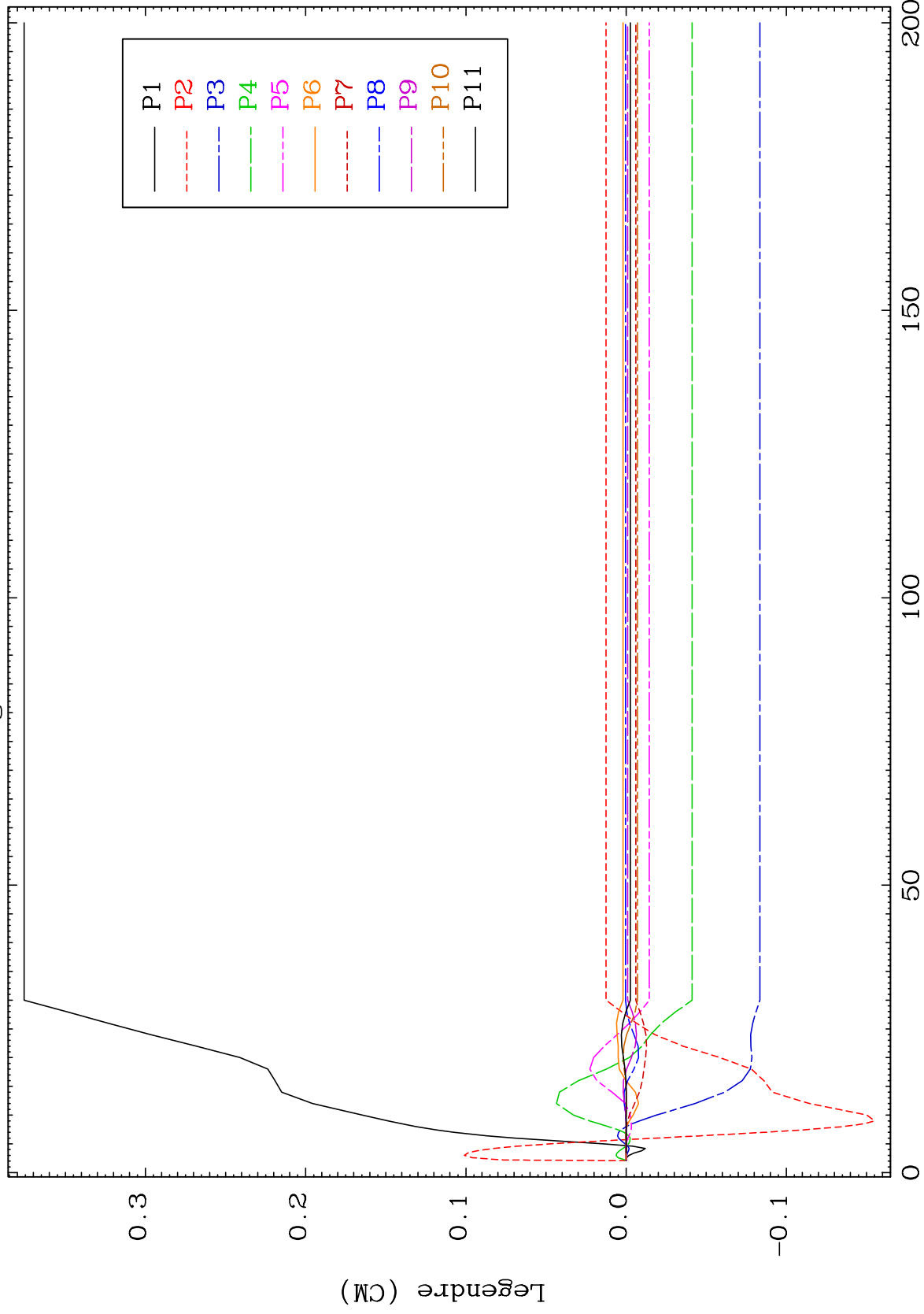
39-Y -96



MAT 3946

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

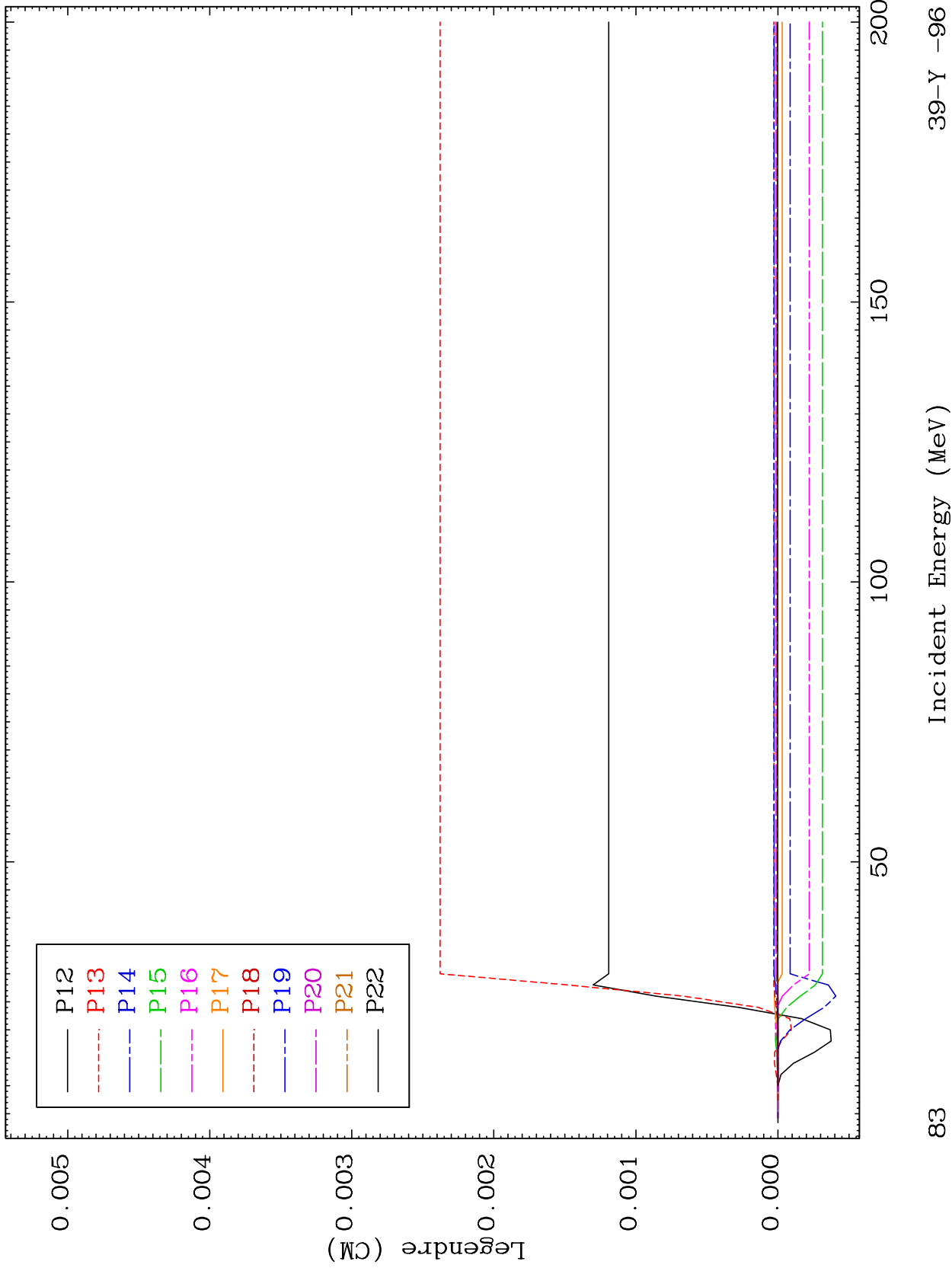
39-Y -96



82

Incident Energy (MeV)

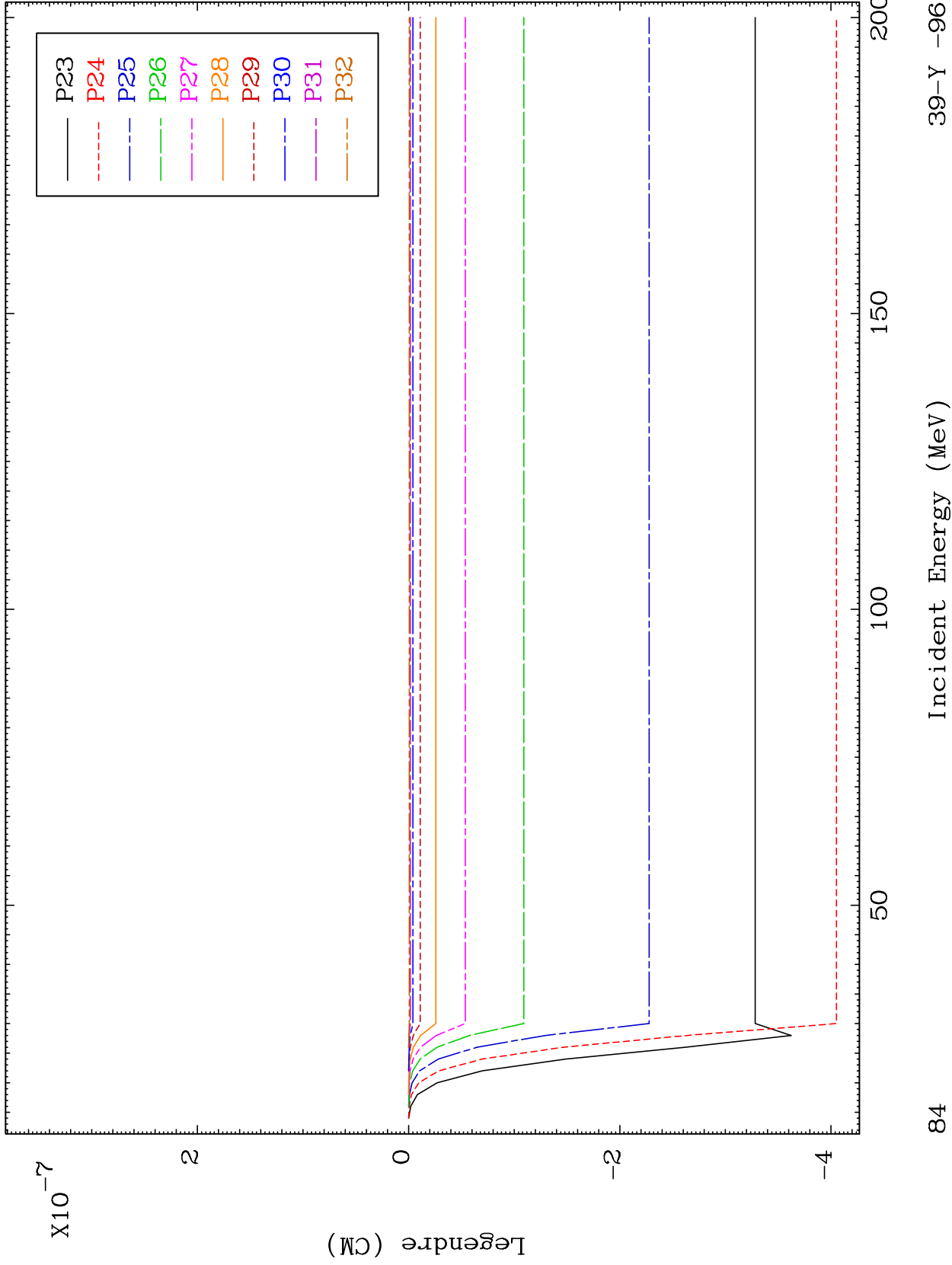
39-Y -96



MAT 3946

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

39-Y -96



84

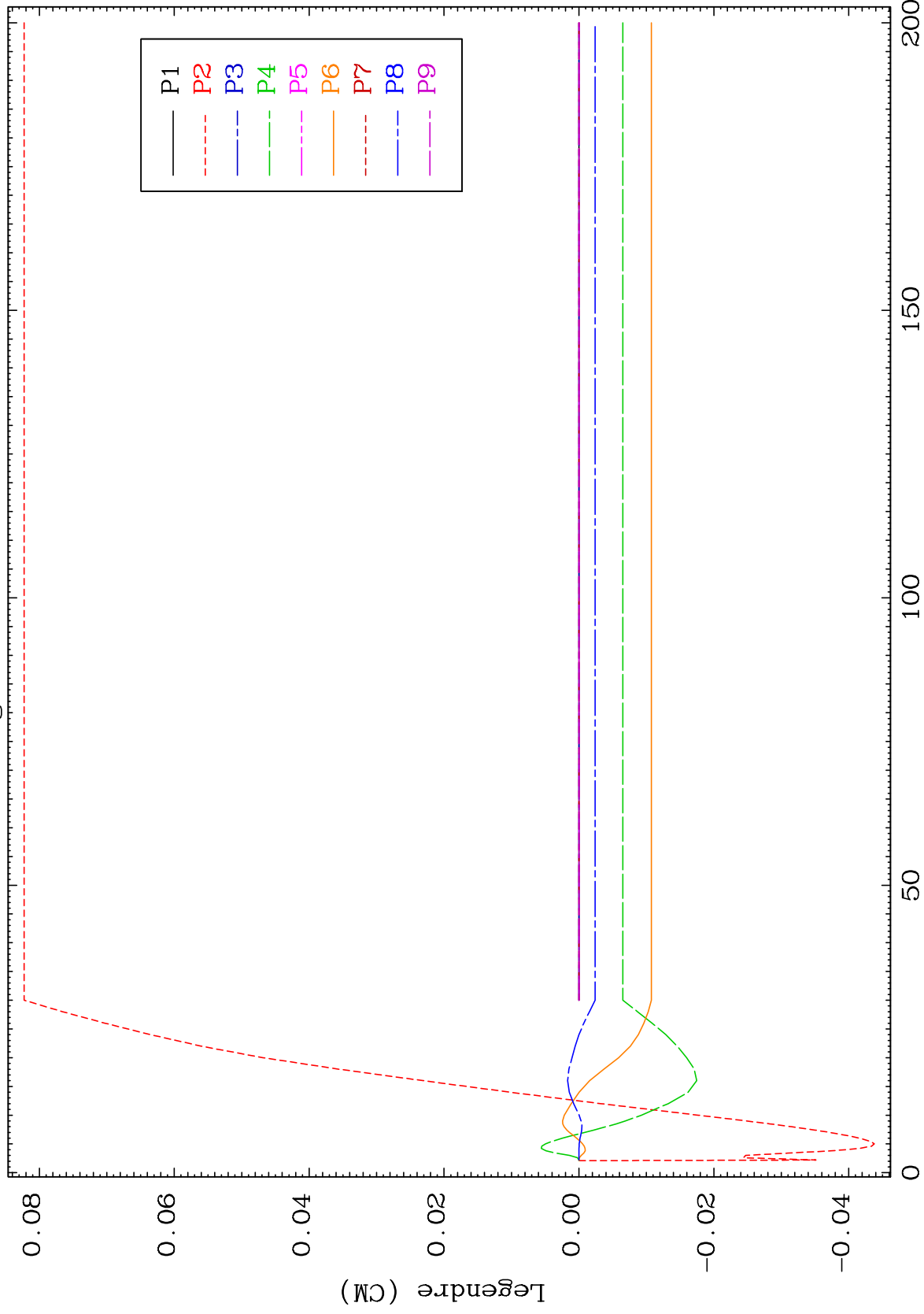
Incident Energy (MeV)

39-Y -96

MAT 3946

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

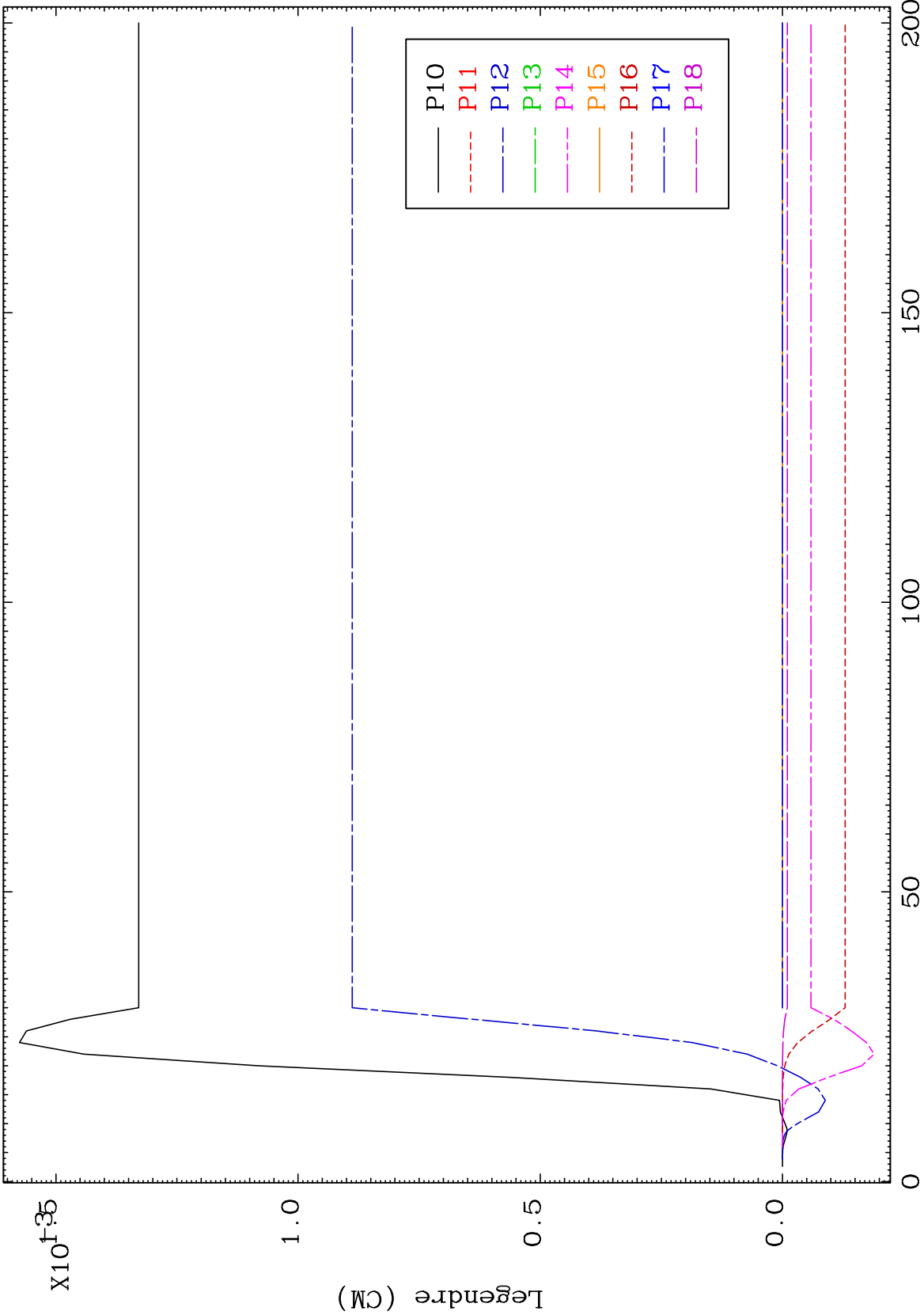
39-Y -96



85

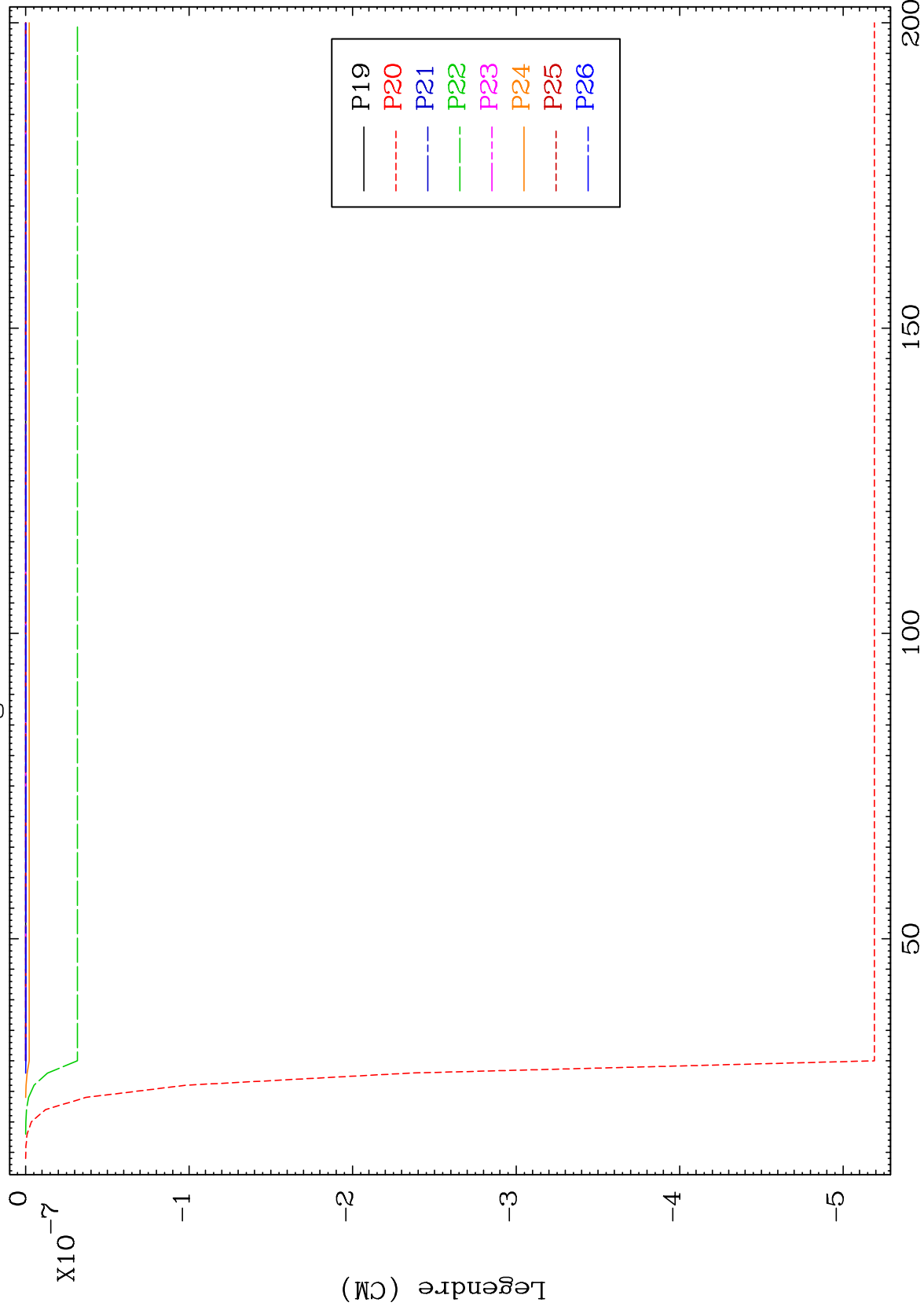
Incident Energy (MeV)

39-Y -96

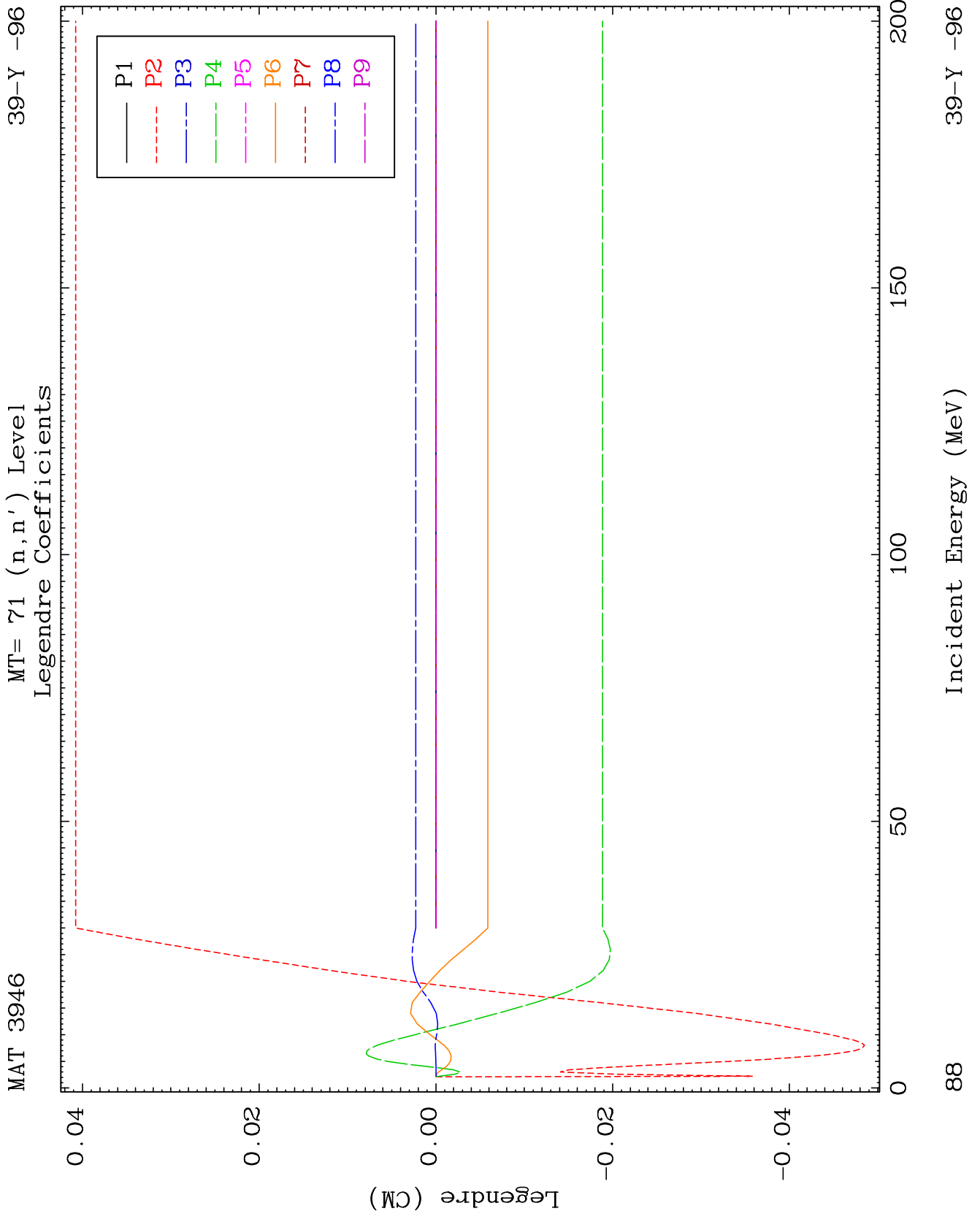


MAT 3946 MT= 70 (n,n') Level 39-Y -96

Legendre Coefficients



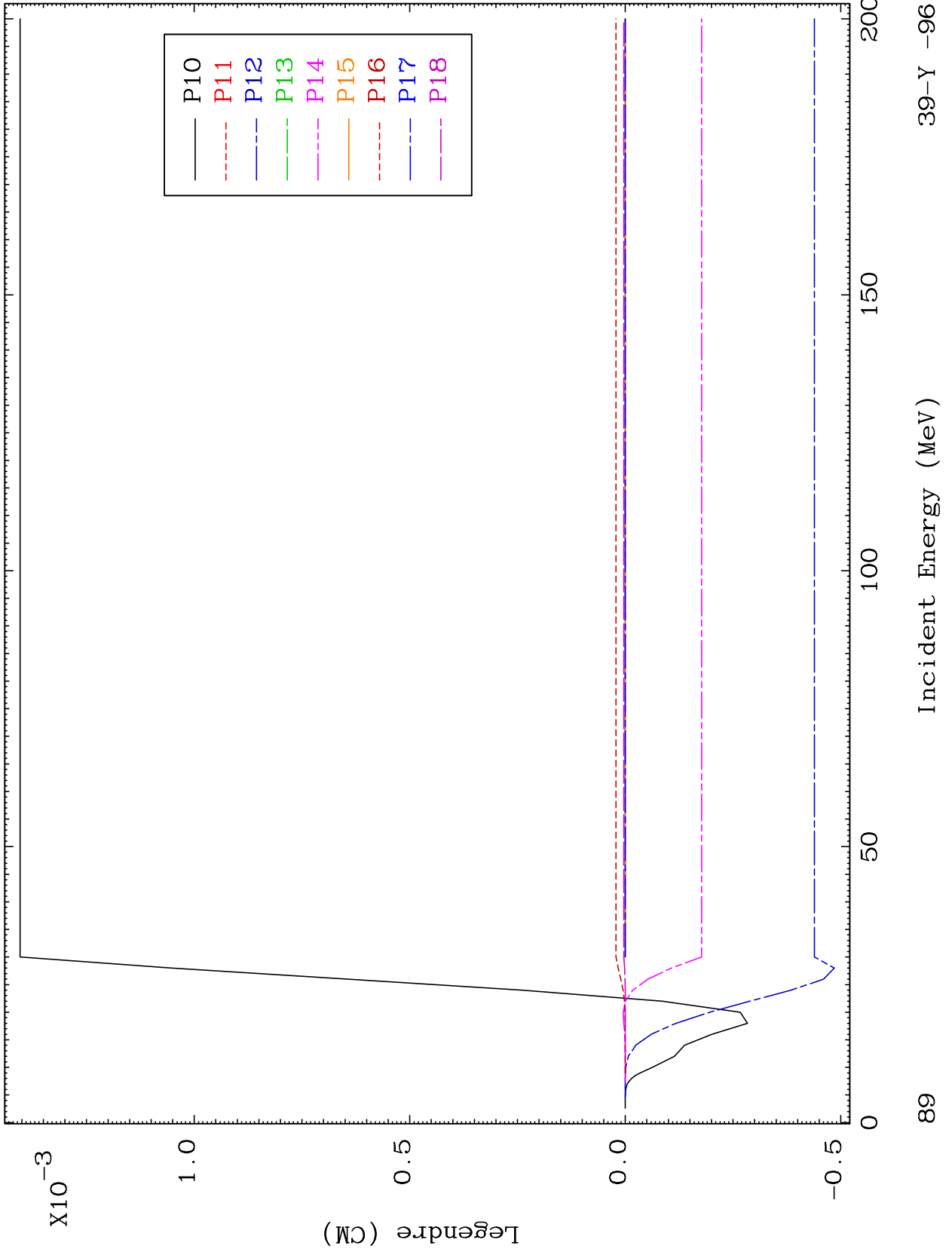
87 39-Y -96



MAT 3946

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

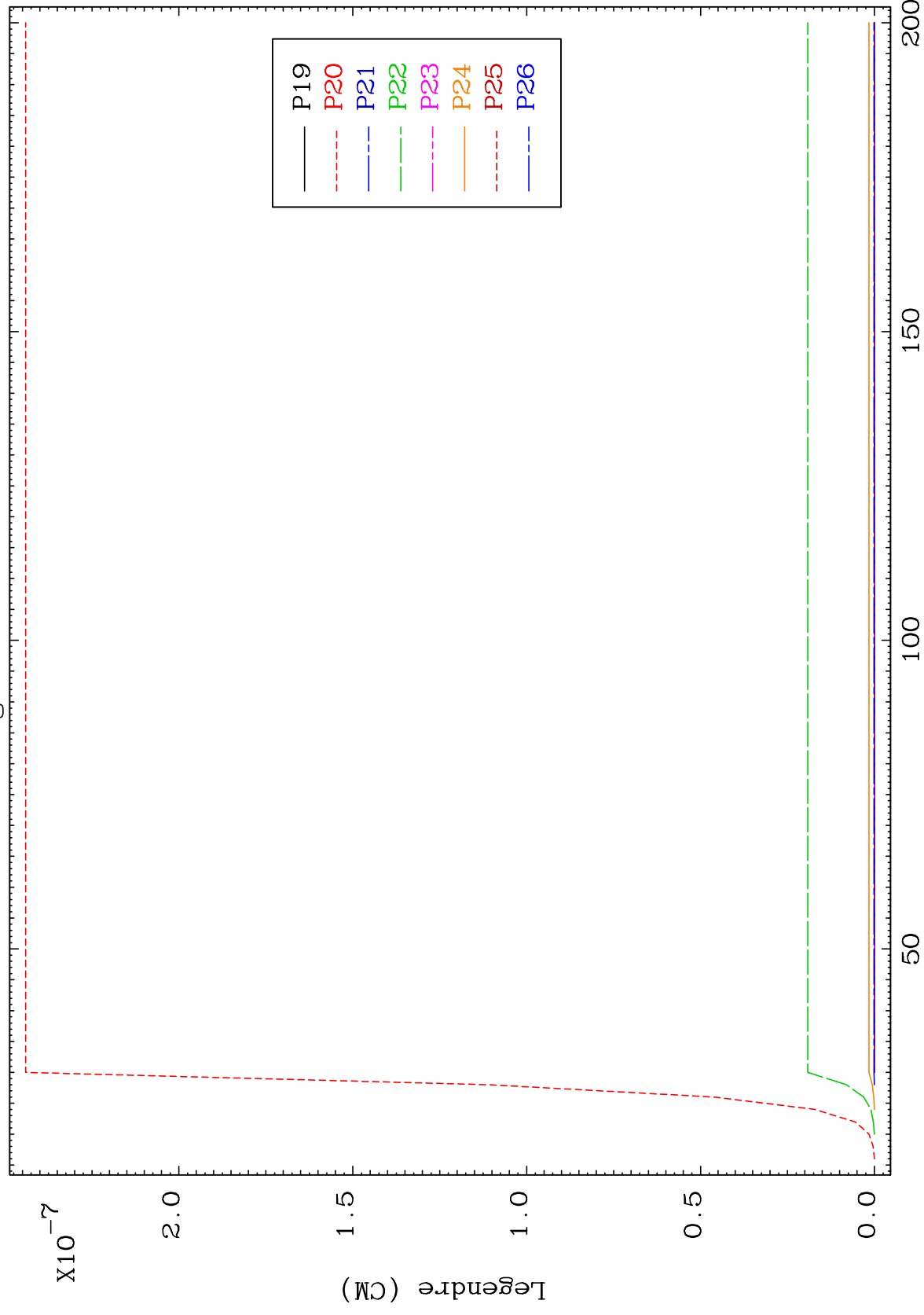
39-Y -96



MAT 3946

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

39-Y -96



90

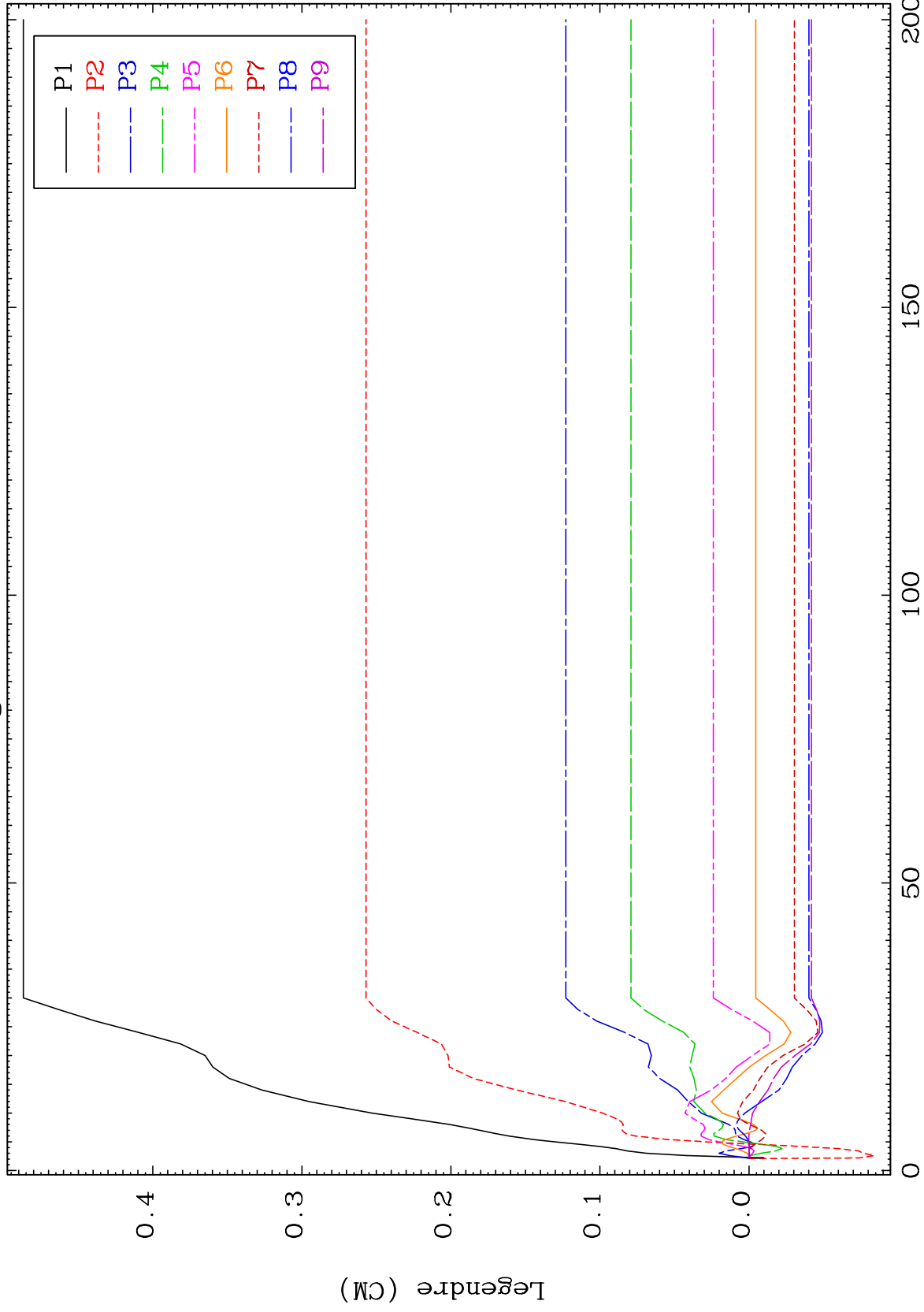
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



91

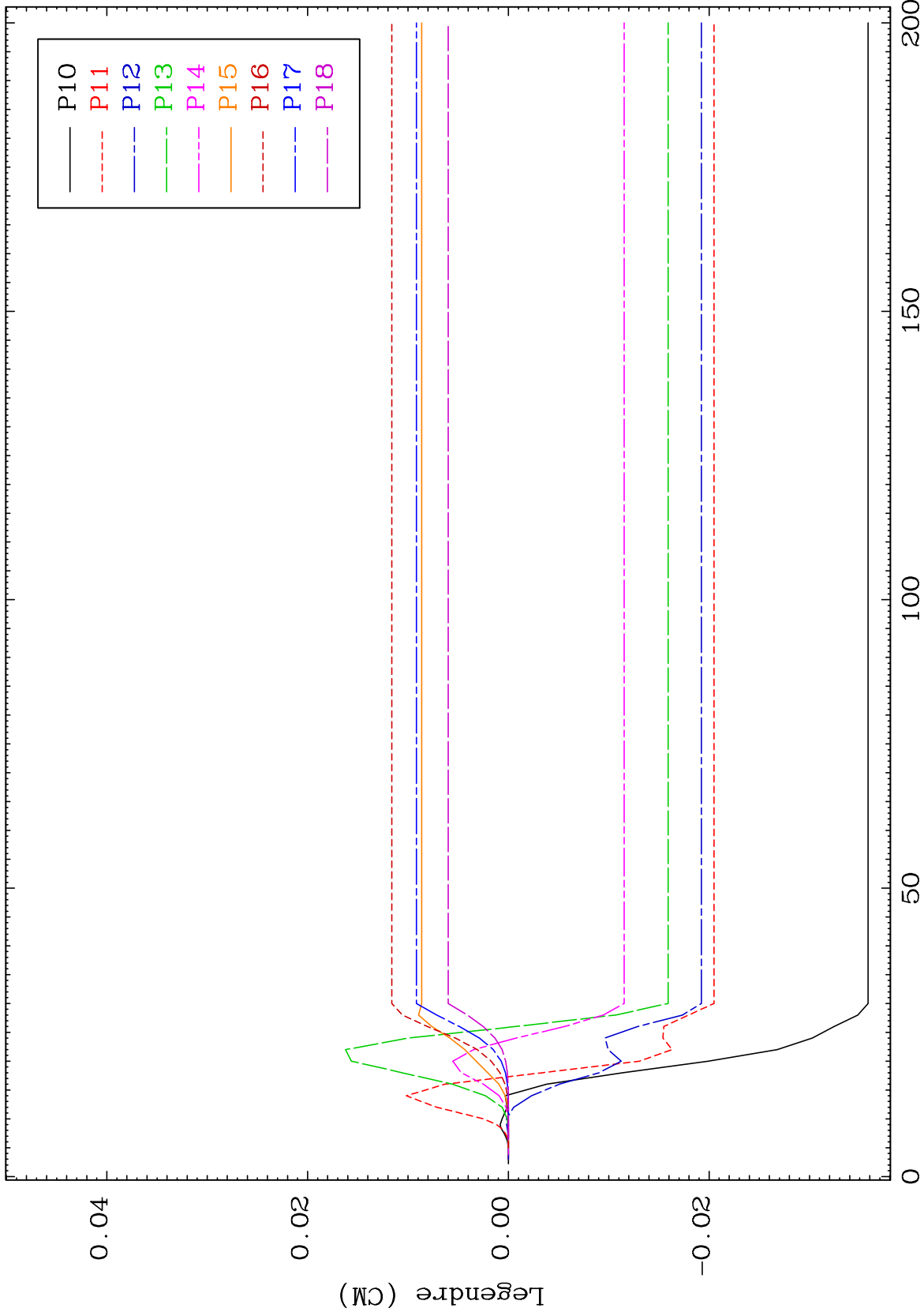
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



92

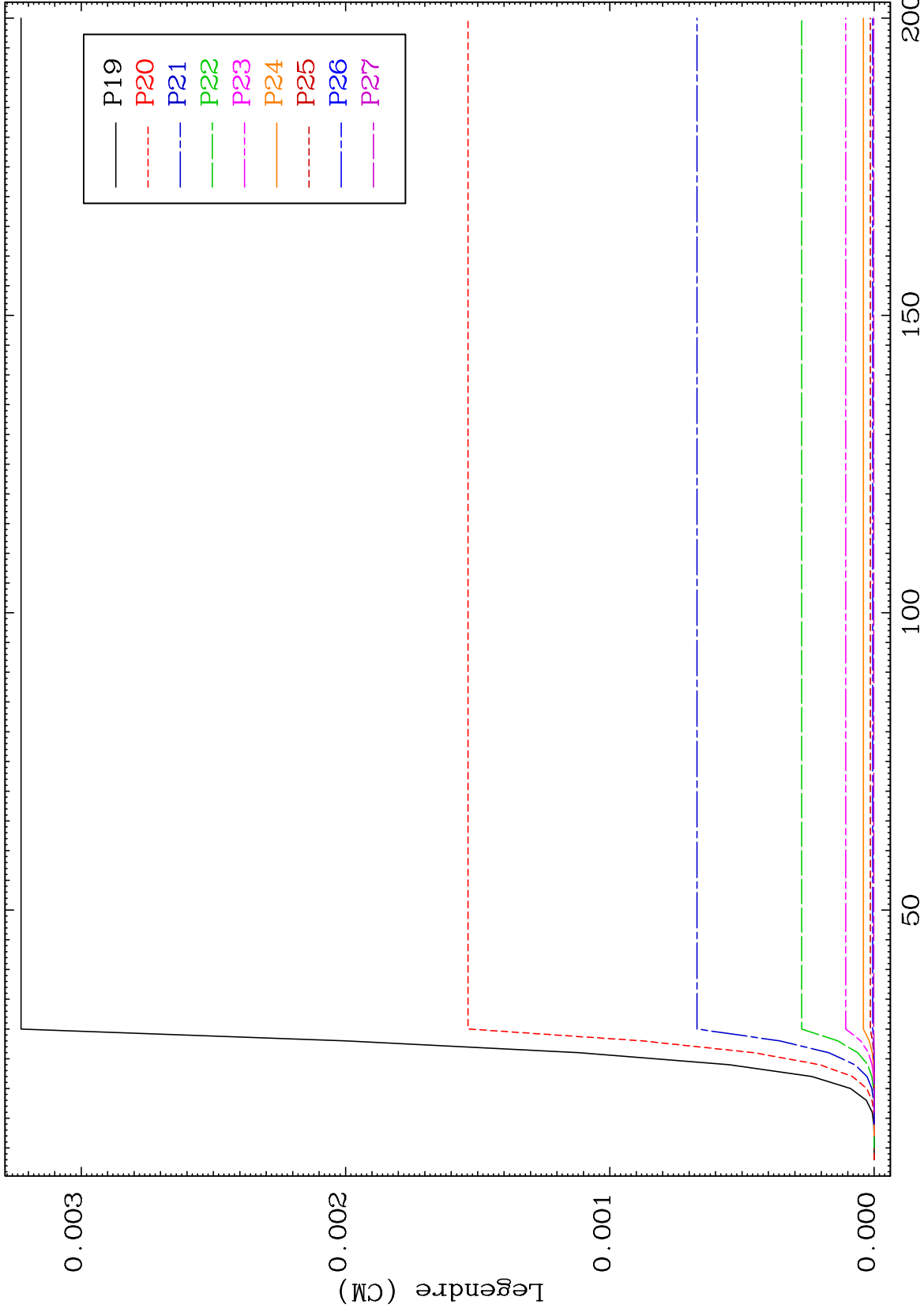
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



93

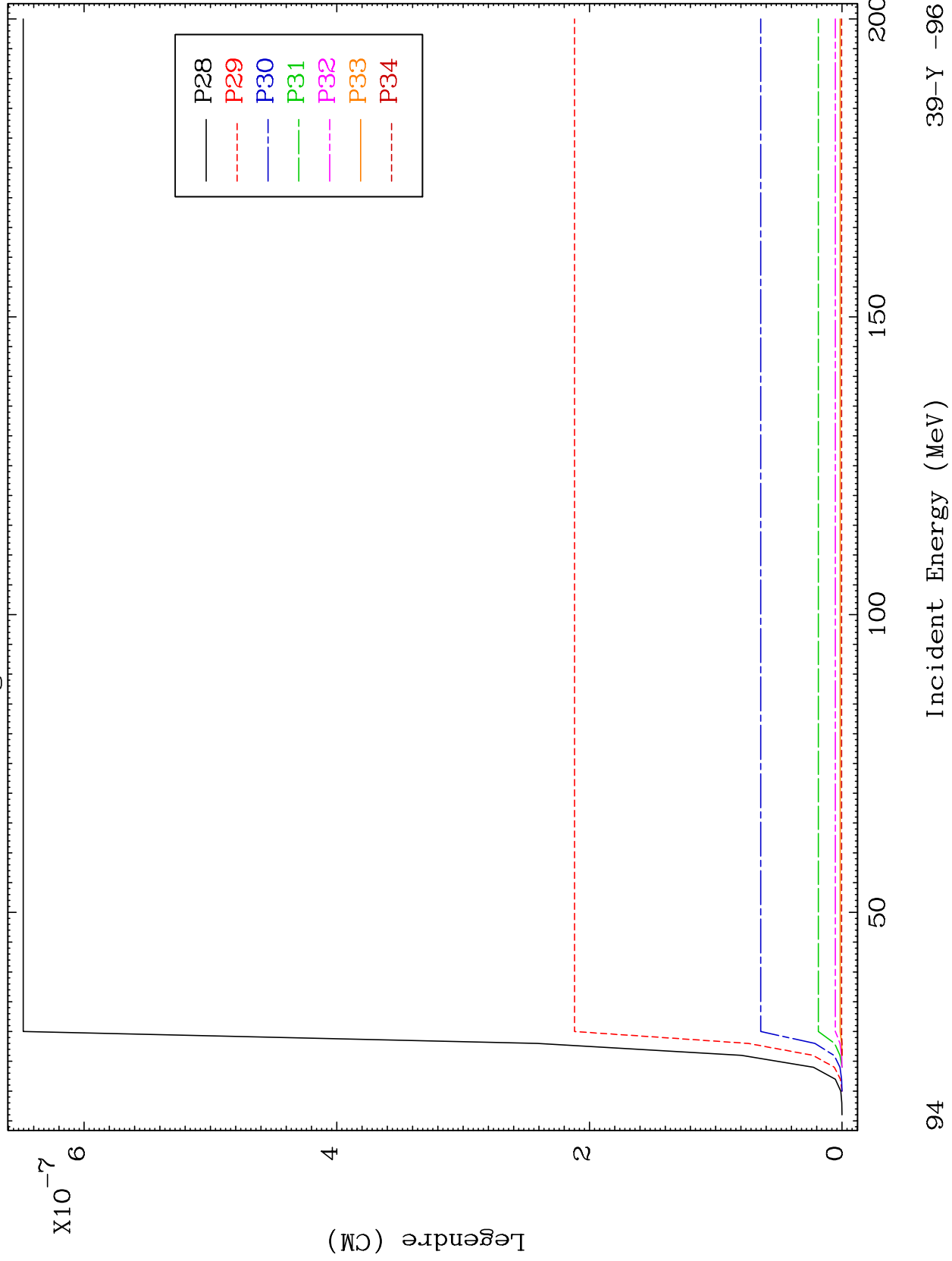
Incident Energy (MeV)

39-Y -96

MAT 3946

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

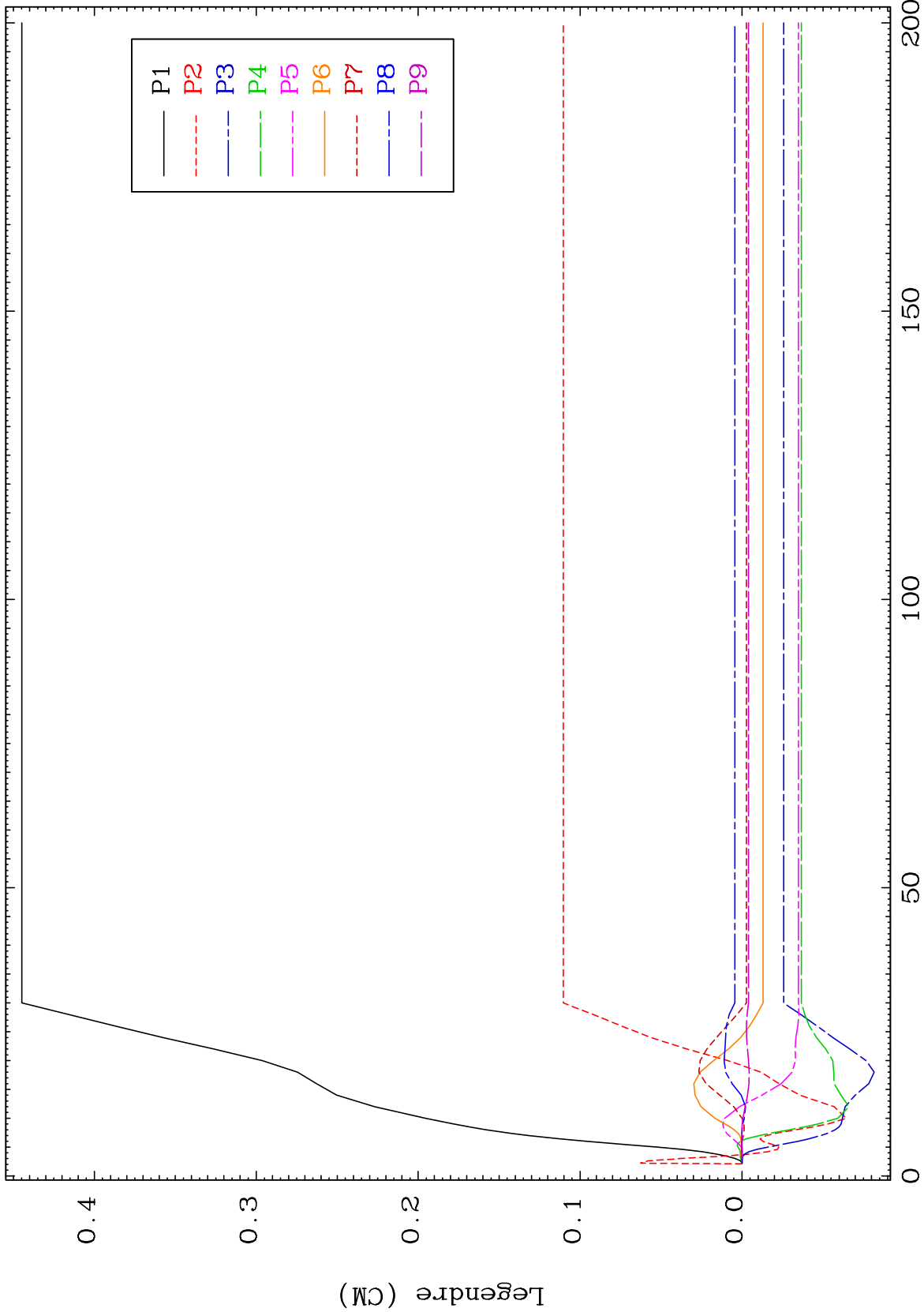
39-Y -96



MAT 3946

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

39-Y -96



95

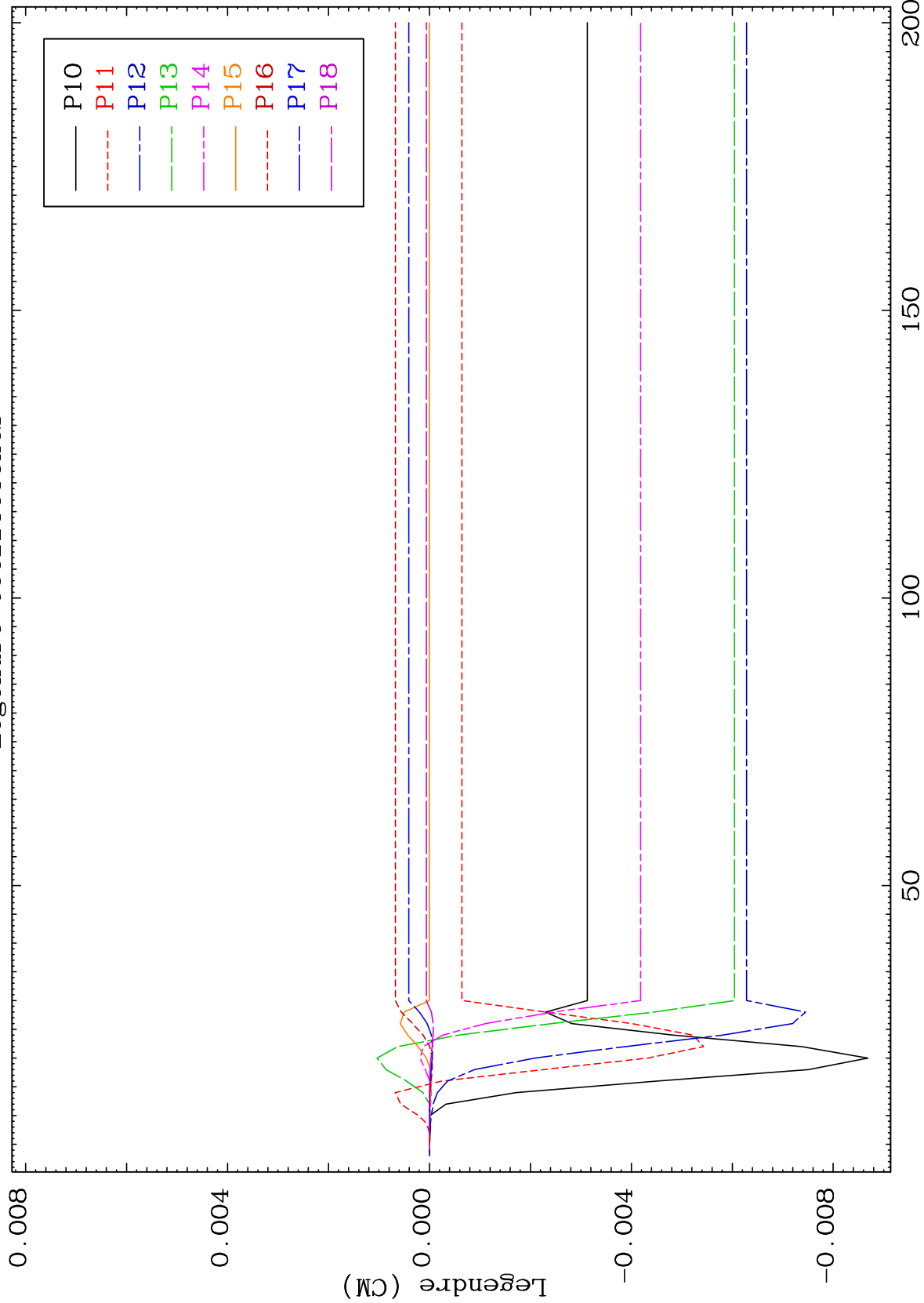
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



96

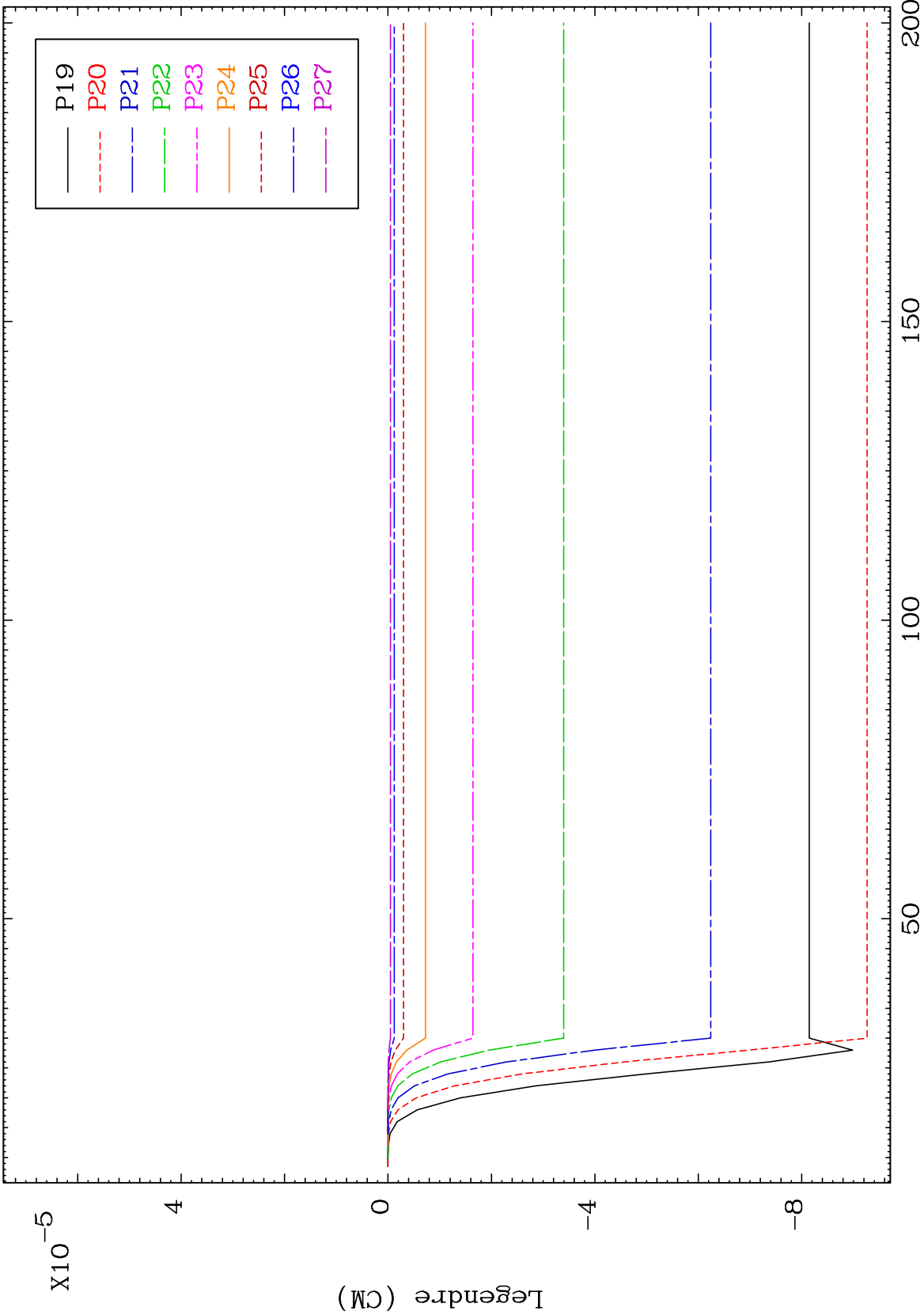
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



97

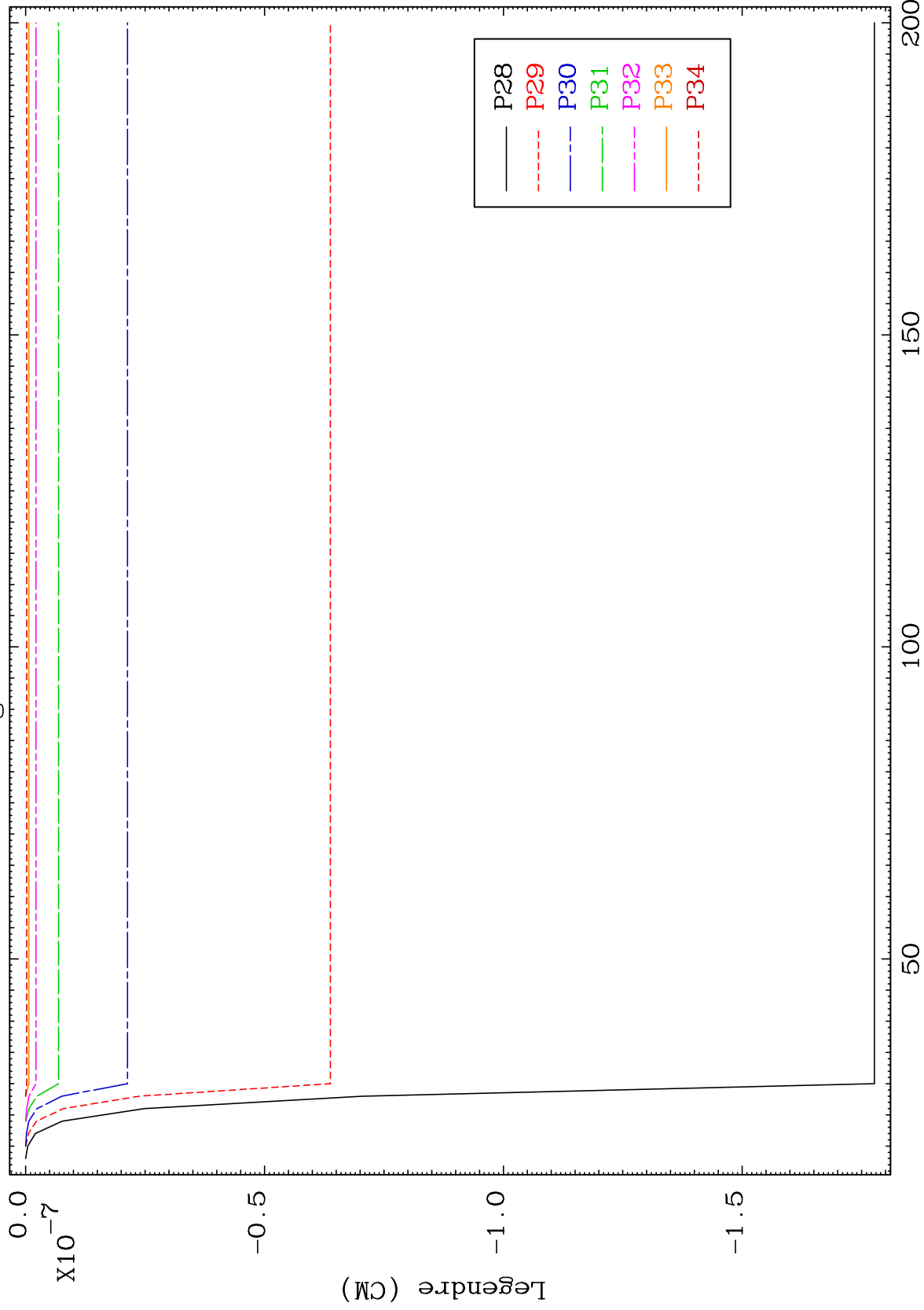
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



98

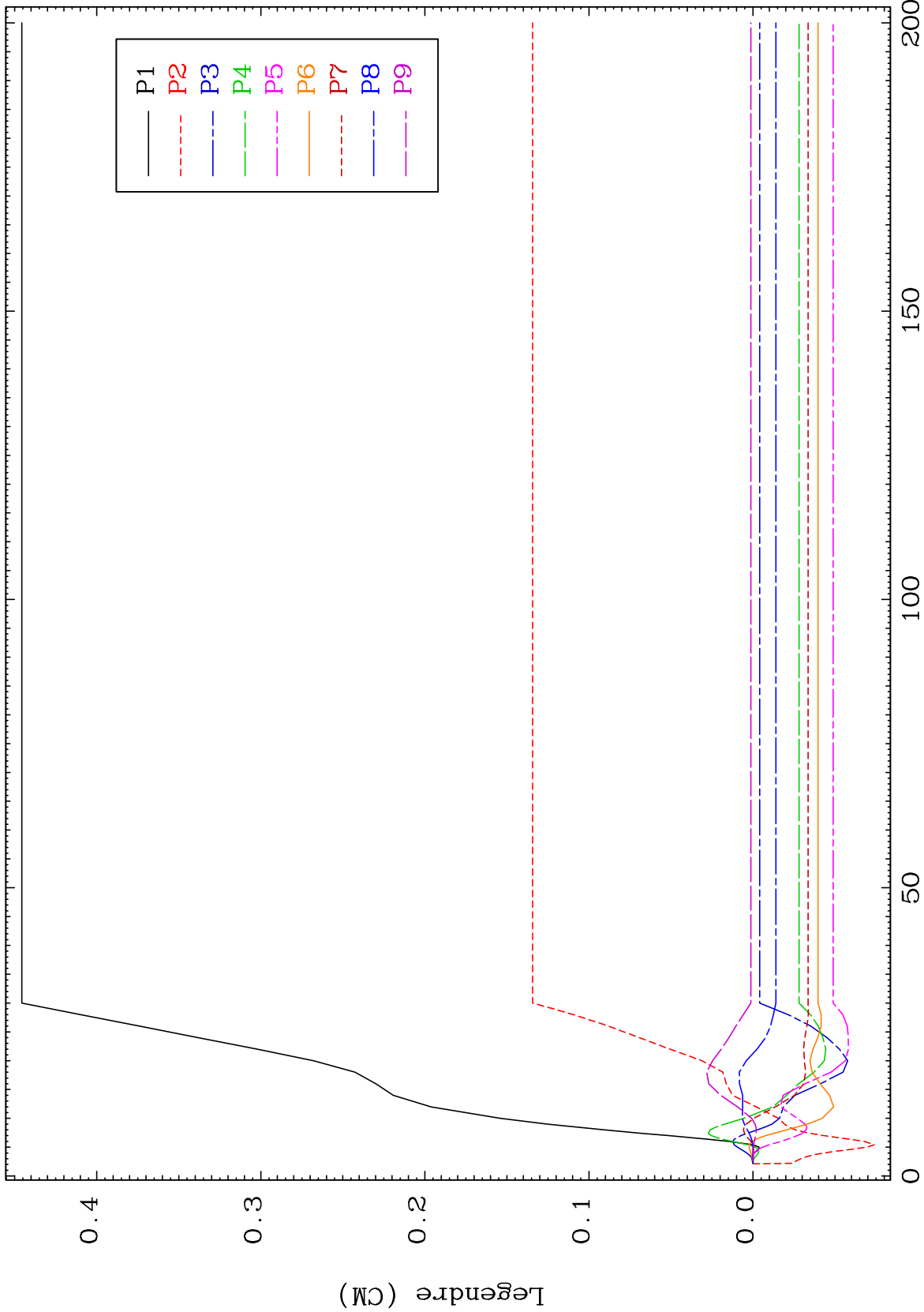
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



99

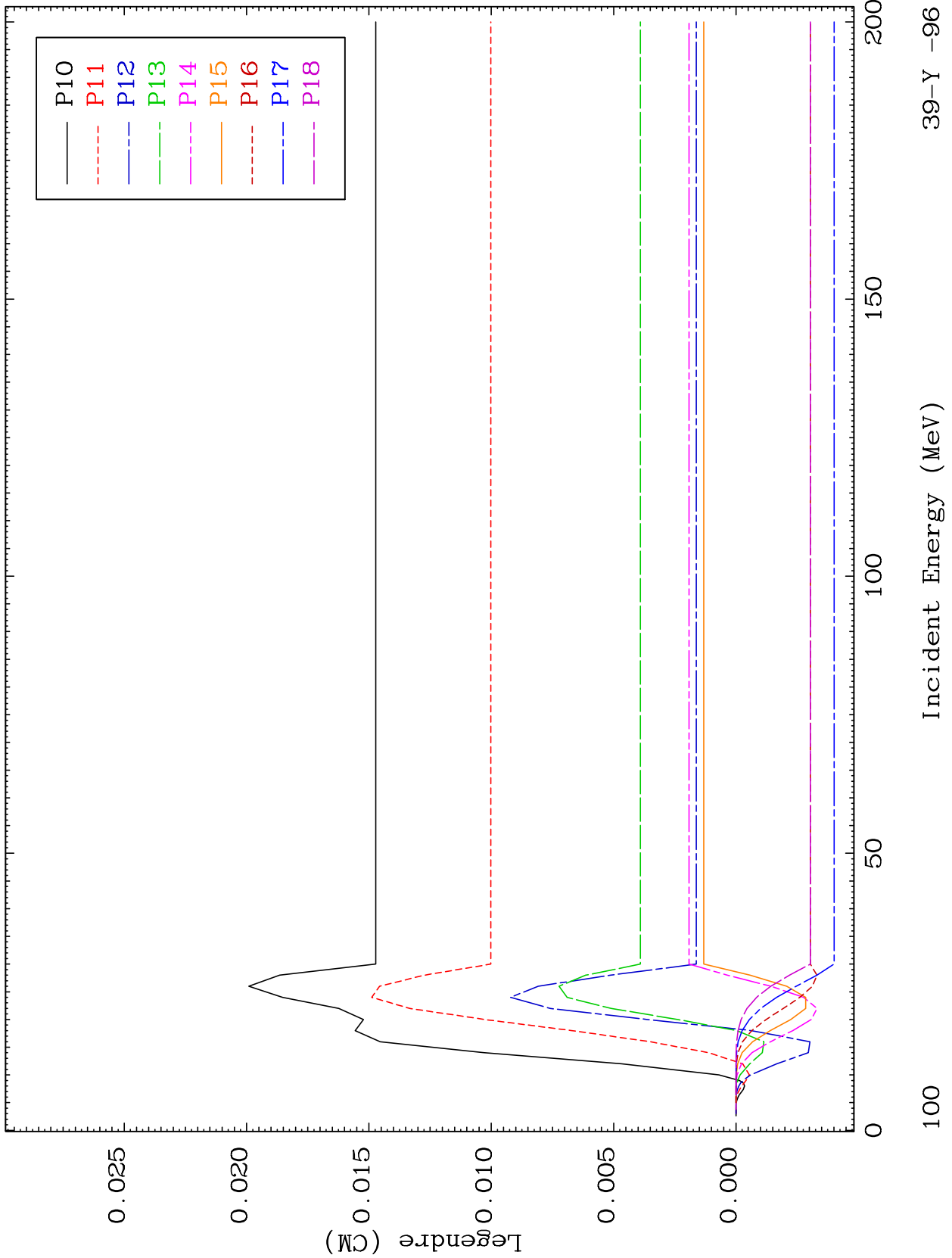
Incident Energy (MeV)

39-Y -96

MAT 3946

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

39-Y -96



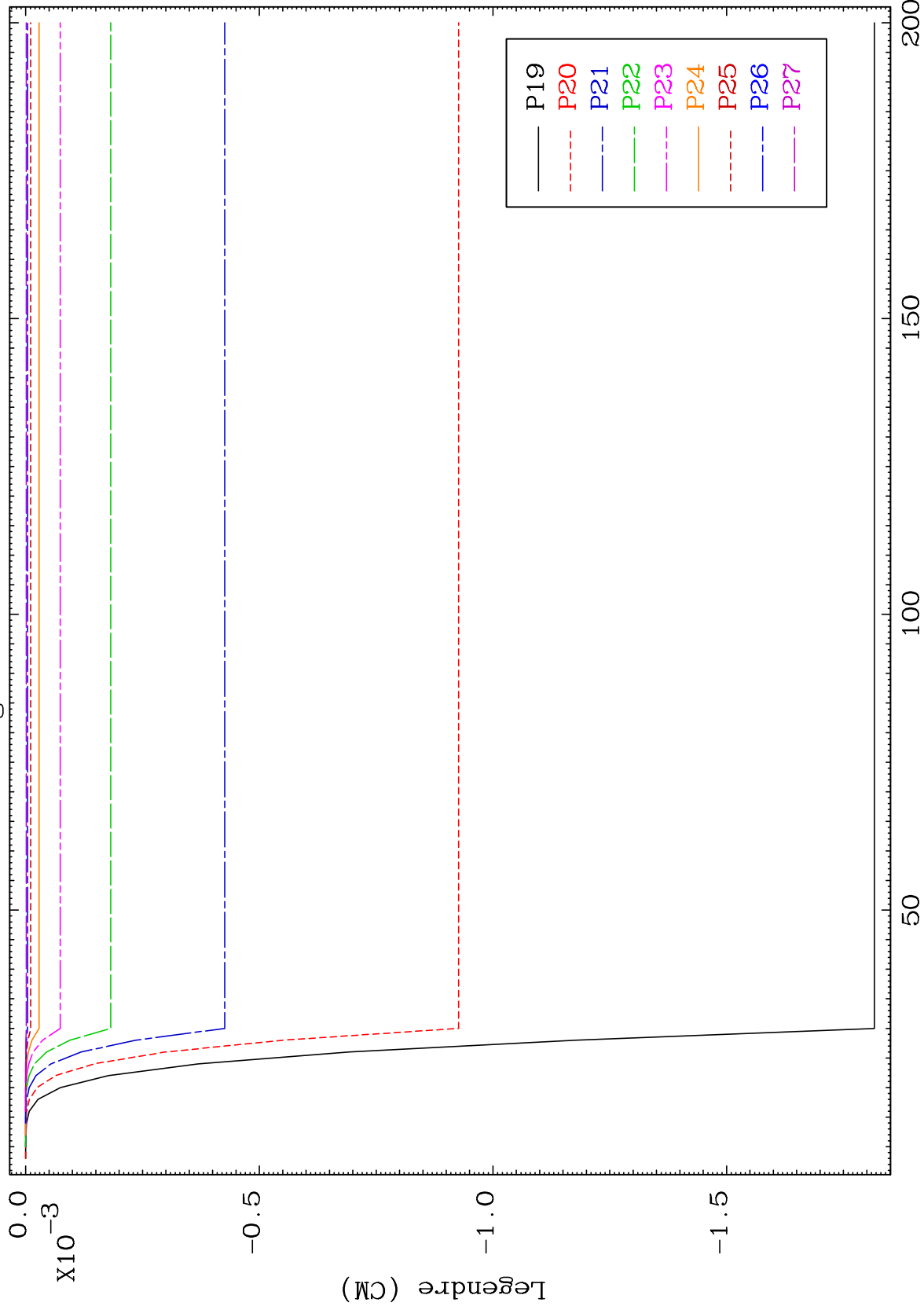
39-Y -96

MAT 3946

MT= 74 (n,n') Level

39-Y -96

Legendre Coefficients



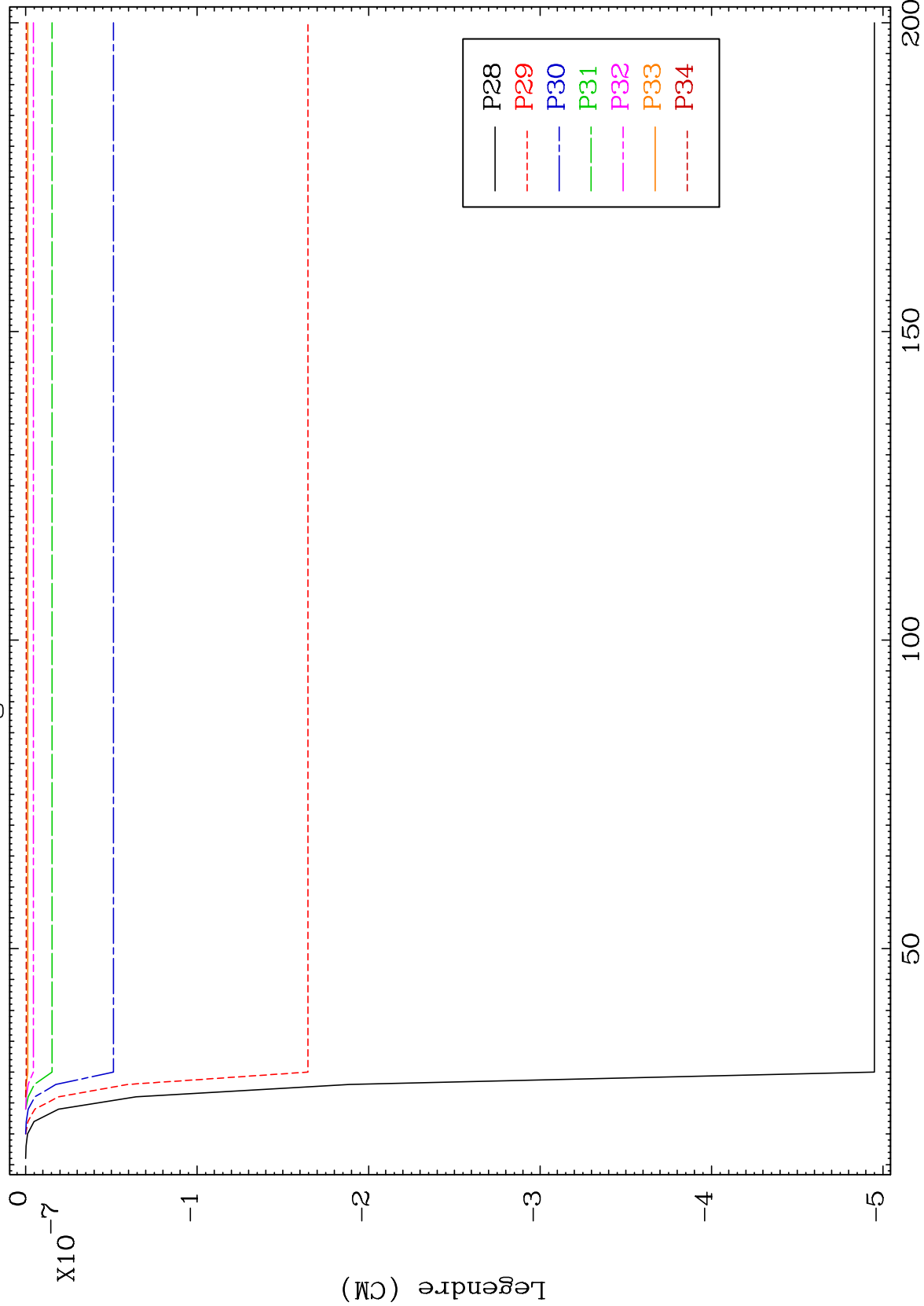
101

Incident Energy (MeV)

39-Y -96

MAT 3946 MT= 74 (n,n') Level 39-Y -96

Legendre Coefficients

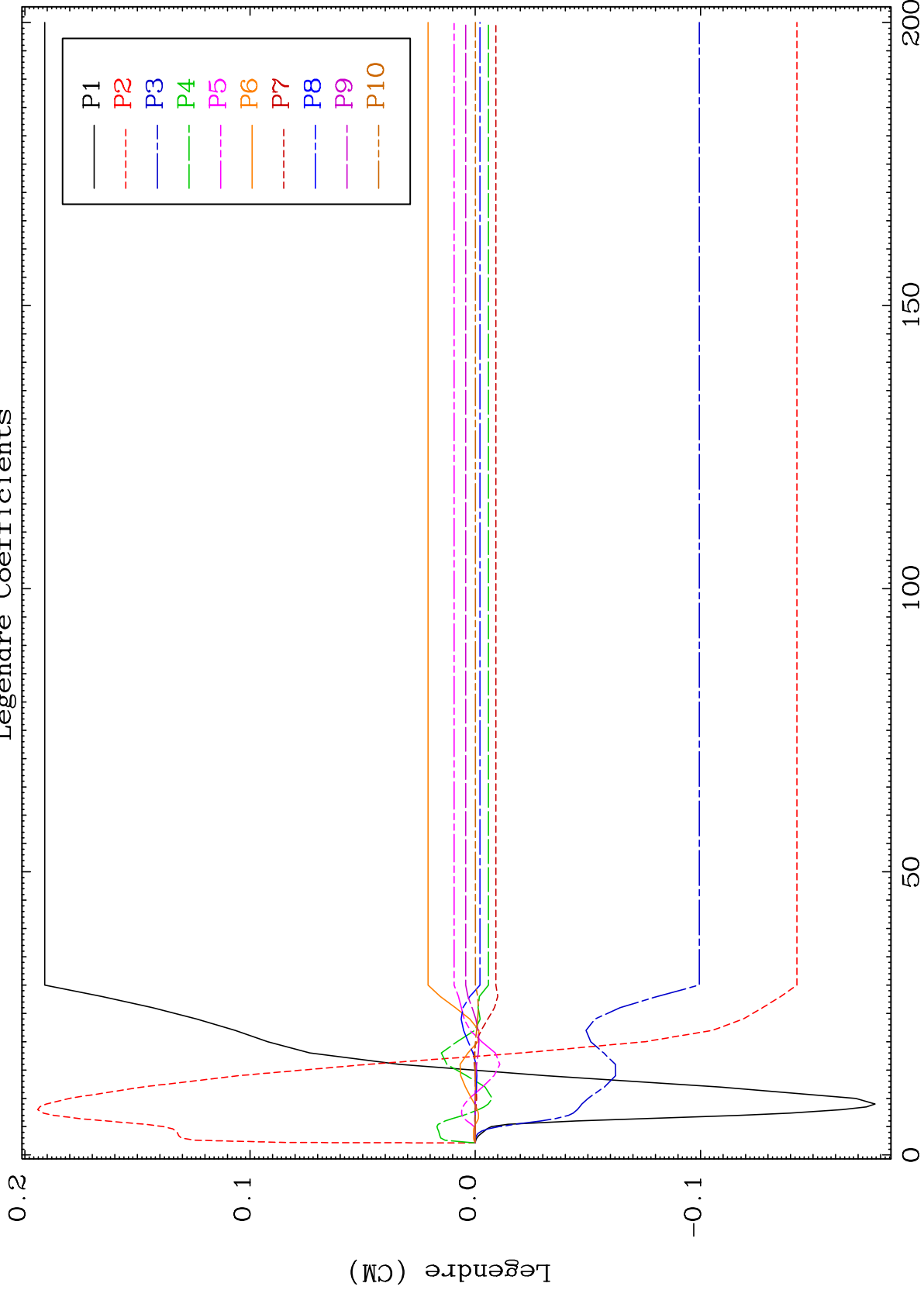


102 Incident Energy (MeV) 39-Y -96

MAT 3946

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

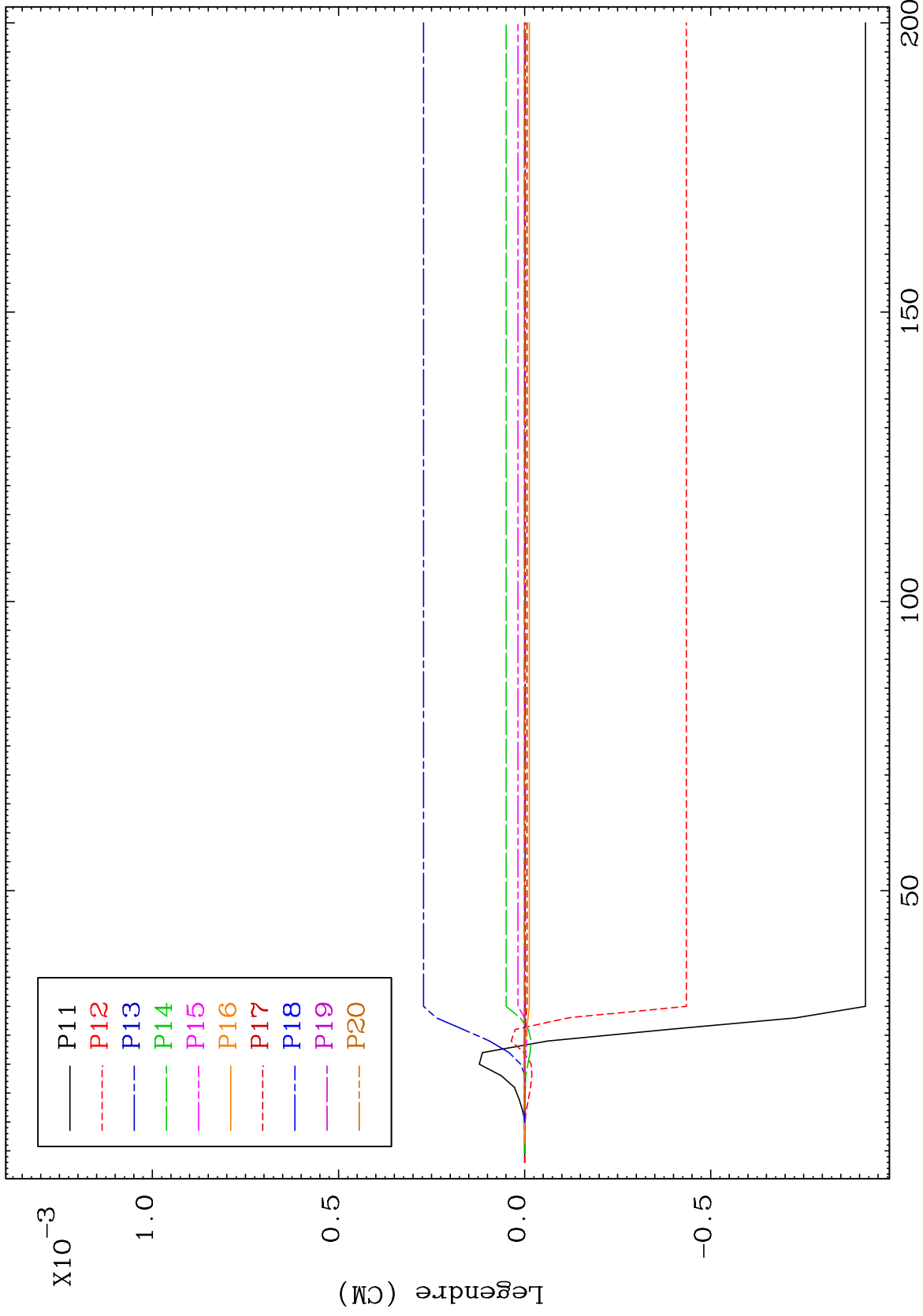
39-Y -96



103

Incident Energy (MeV)

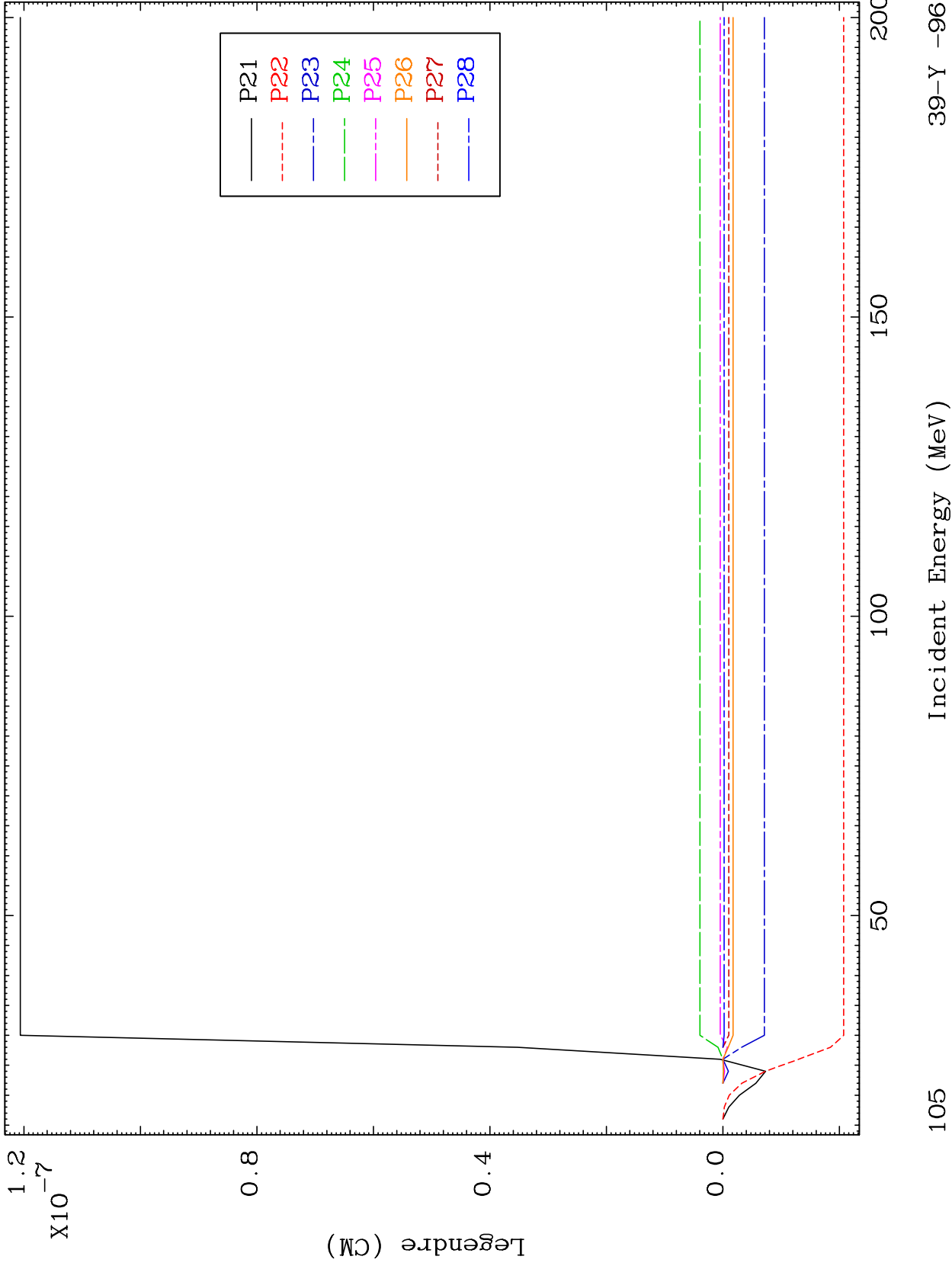
39-Y -96



MAT 3946

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

39-Y -96



39-Y -96

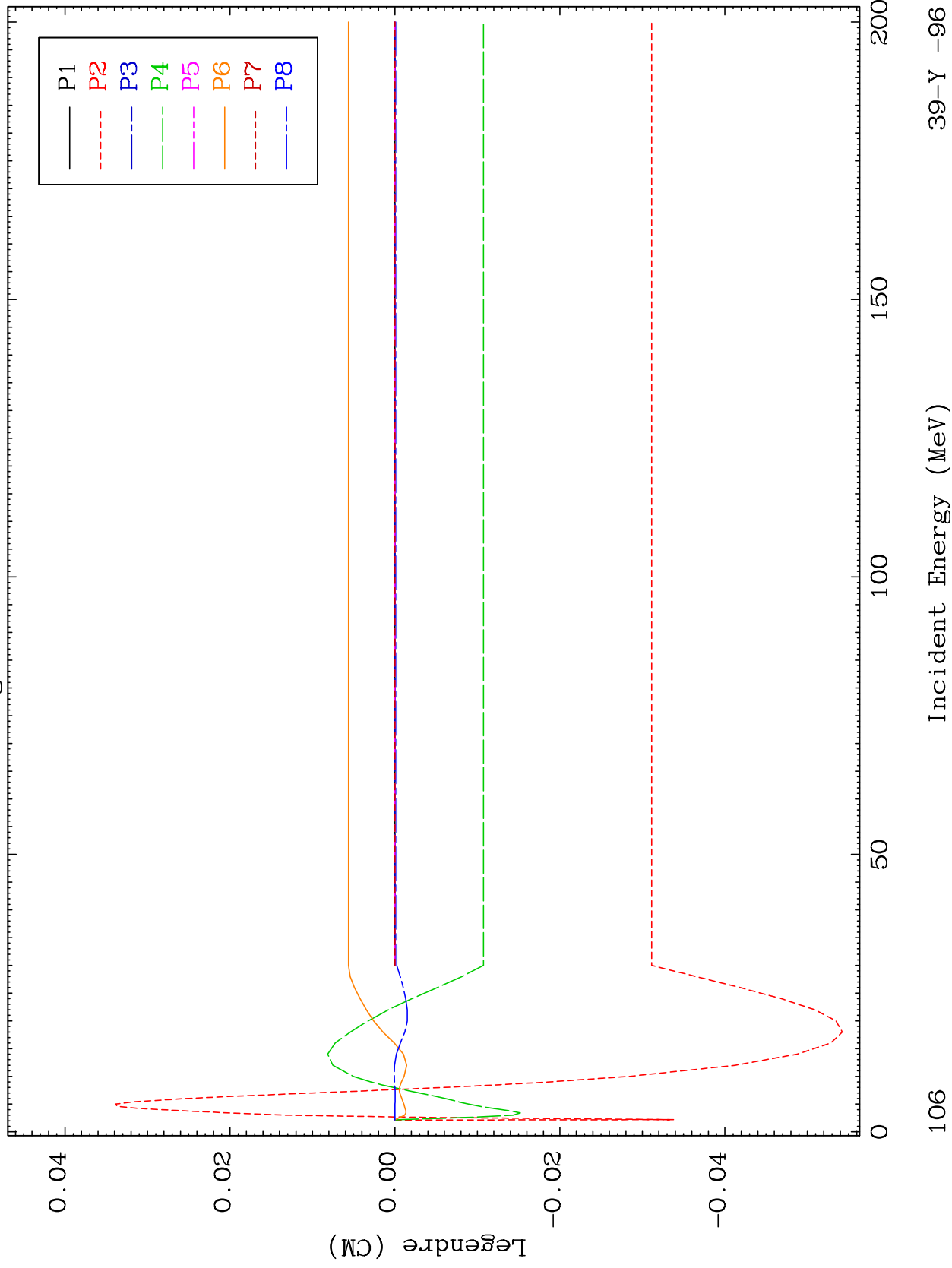
Incident Energy (MeV)

105

MAT 3946

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

39-Y -96



39-Y -96

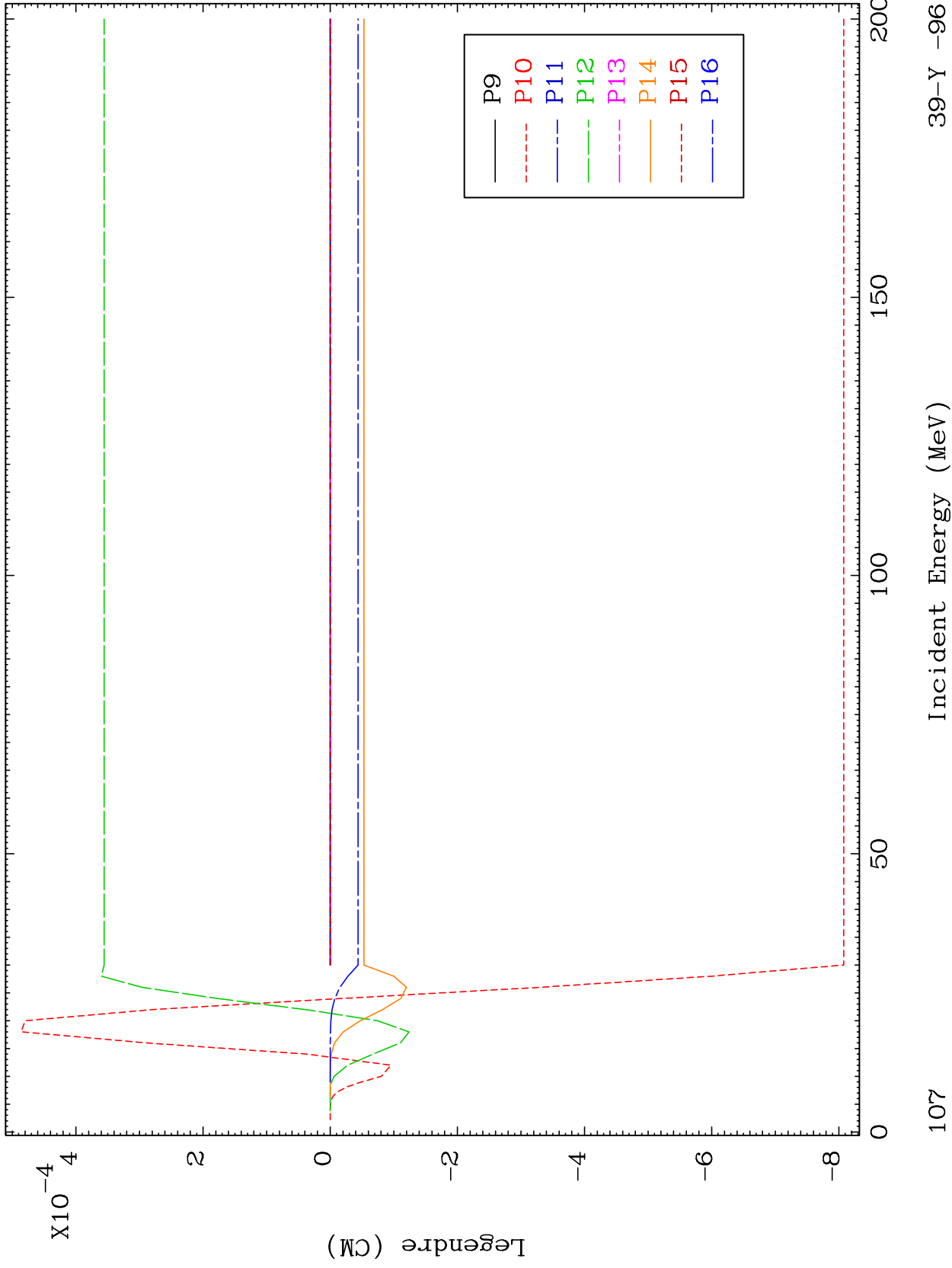
Incident Energy (MeV)

106

MAT 3946

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

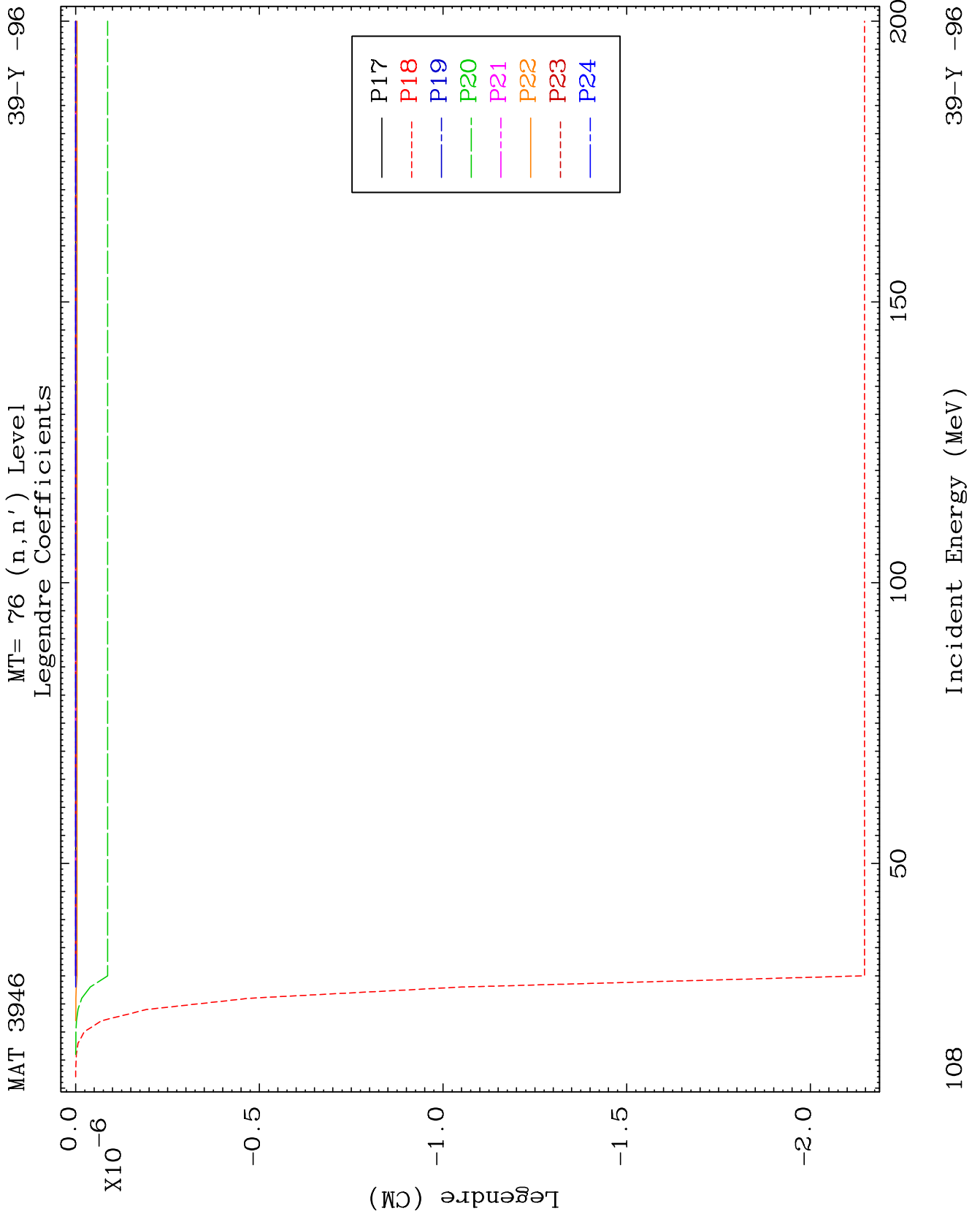
39-Y -96



107

Incident Energy (MeV)

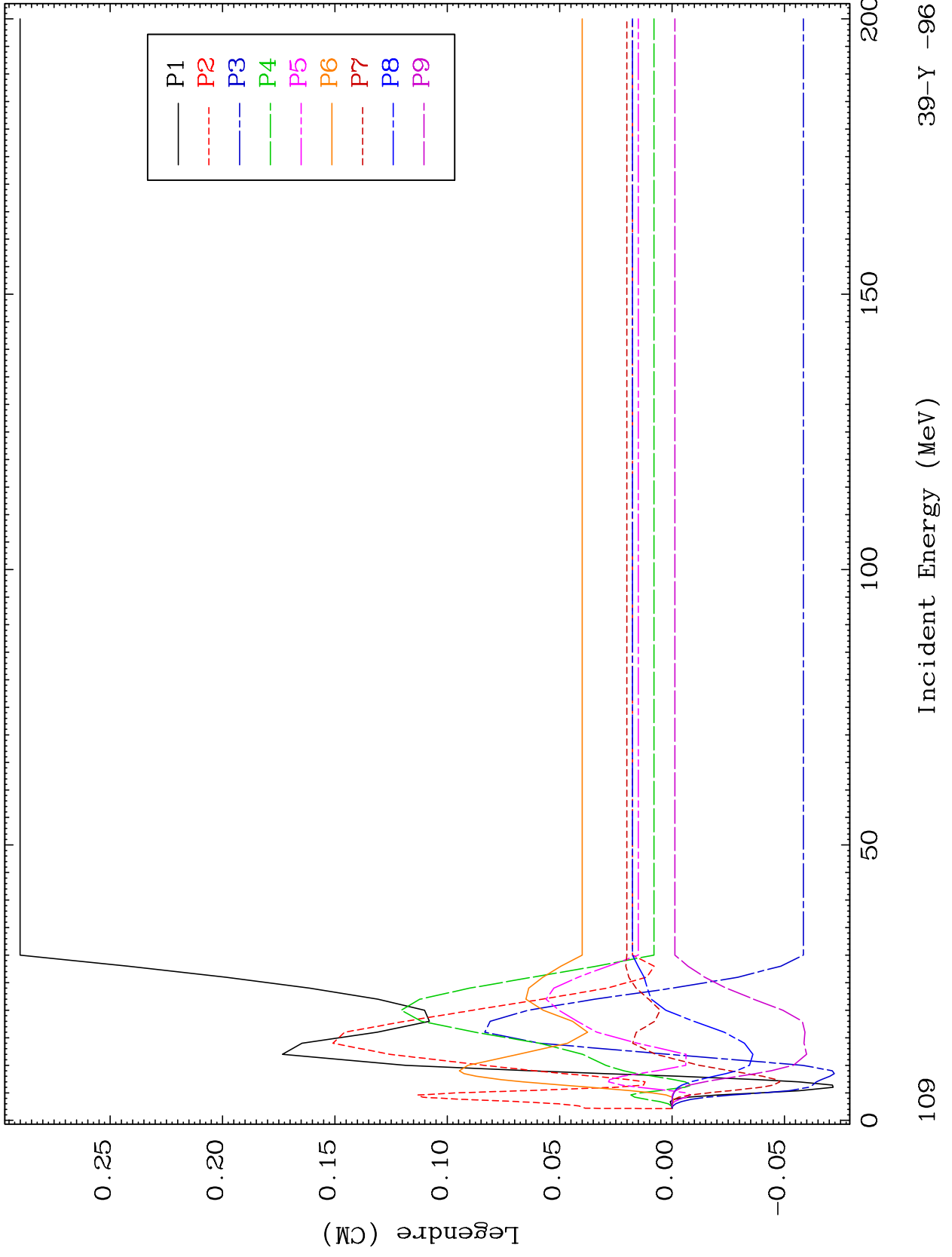
39-Y -96



MAT 3946

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

39-Y -96



109

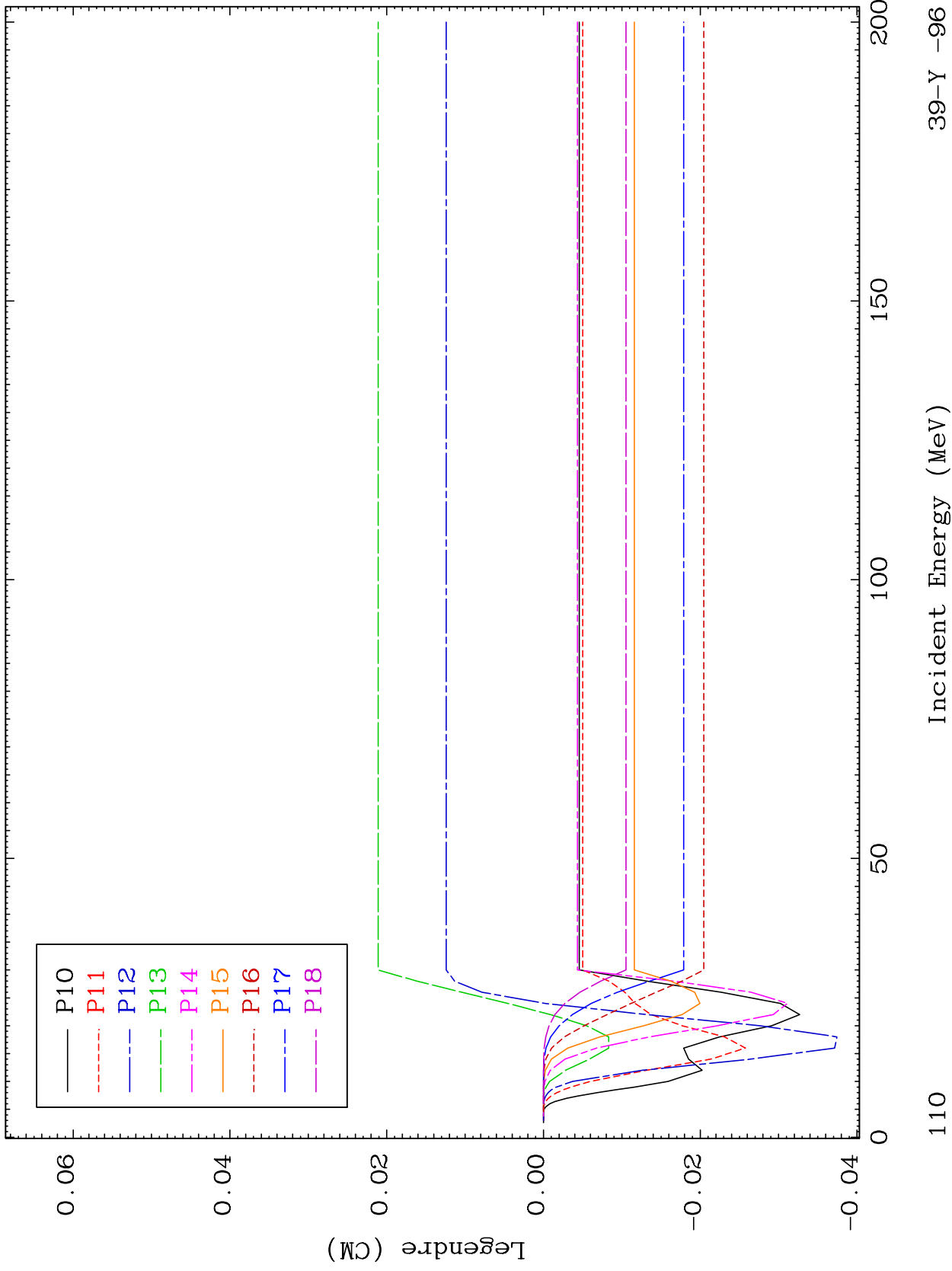
Incident Energy (MeV)

39-Y -96

MAT 3946

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

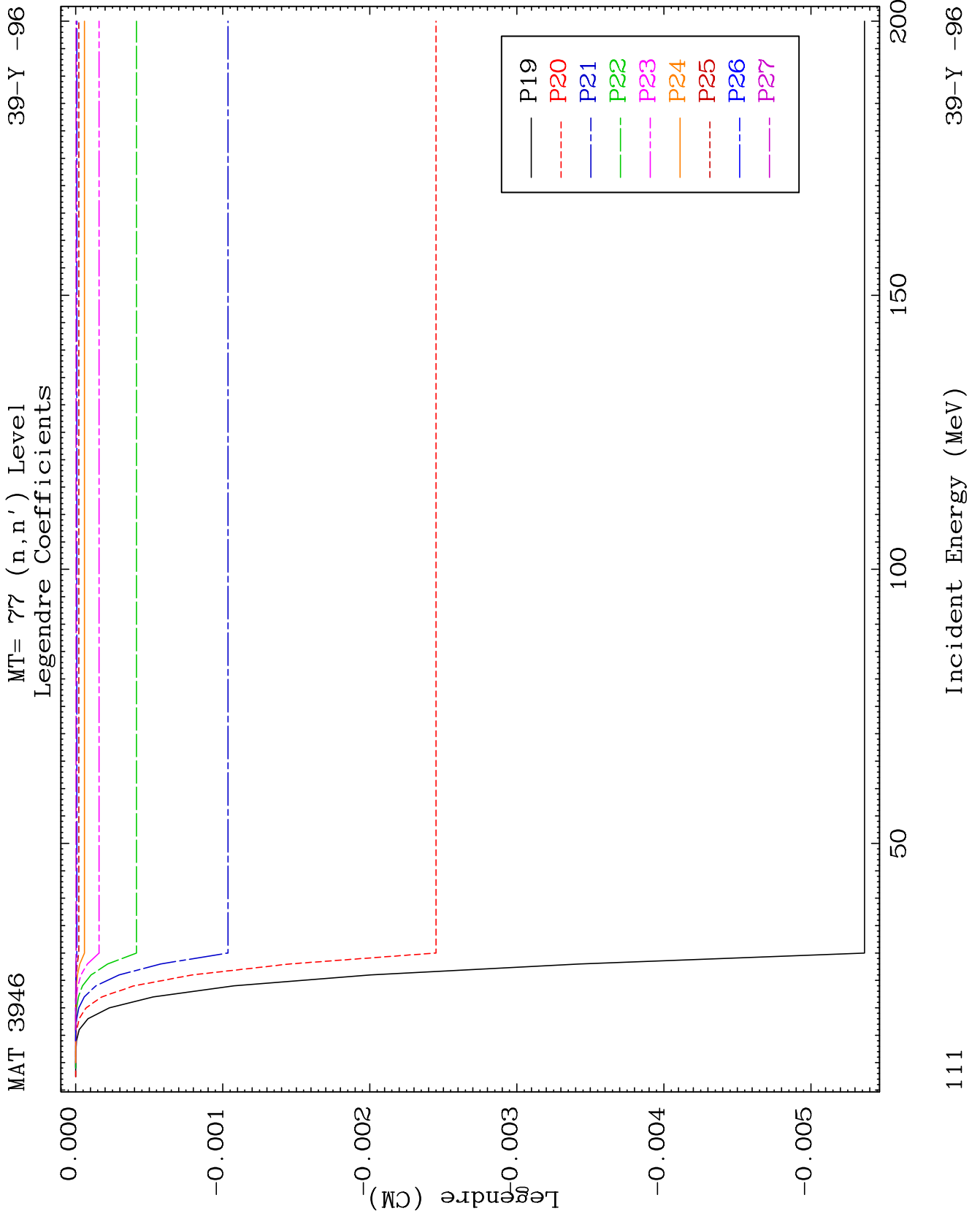
39-Y -96



110

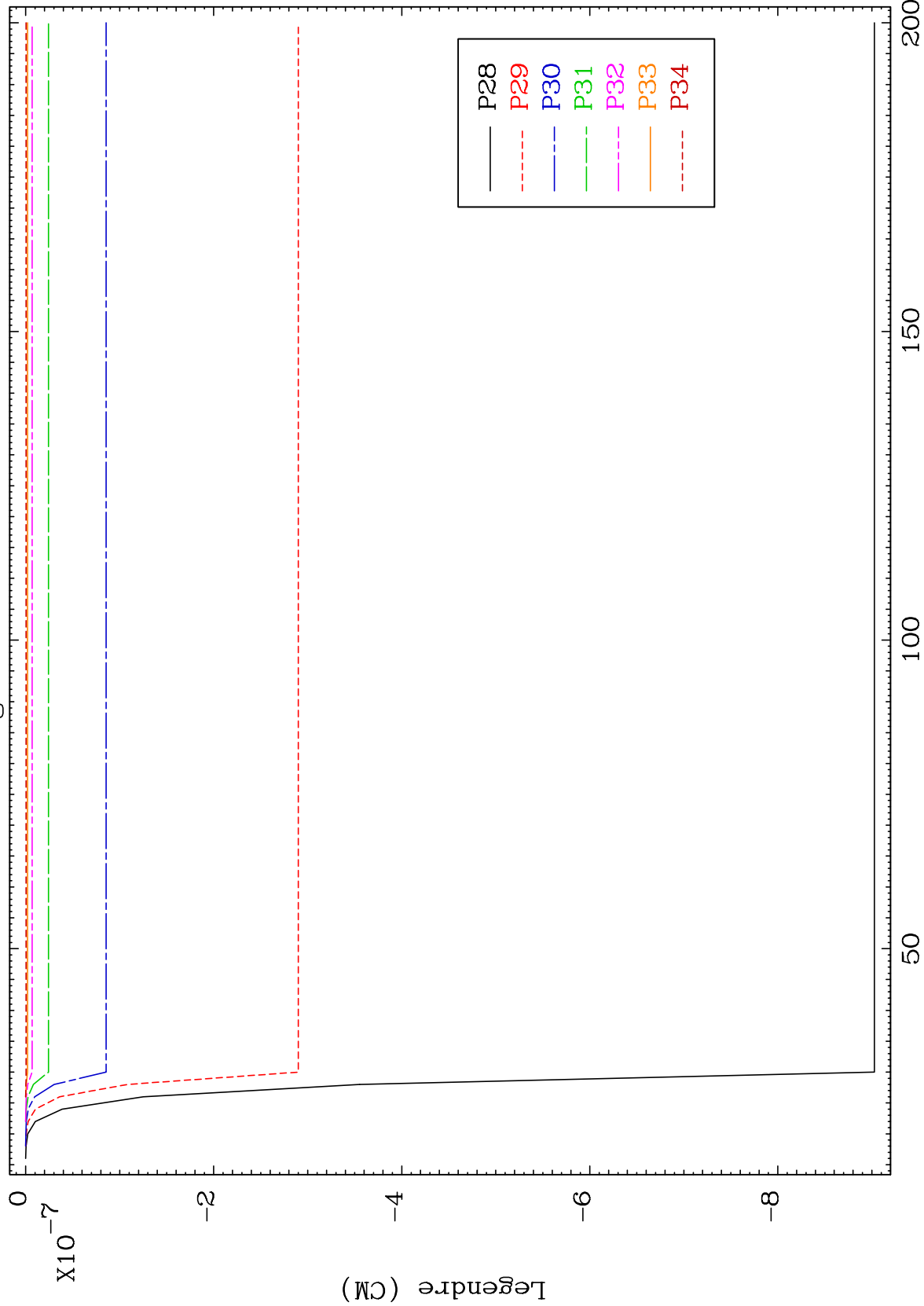
Incident Energy (MeV)

39-Y -96



MAT 3946 MT= 77 (n,n') Level 39-Y -96

Legendre Coefficients

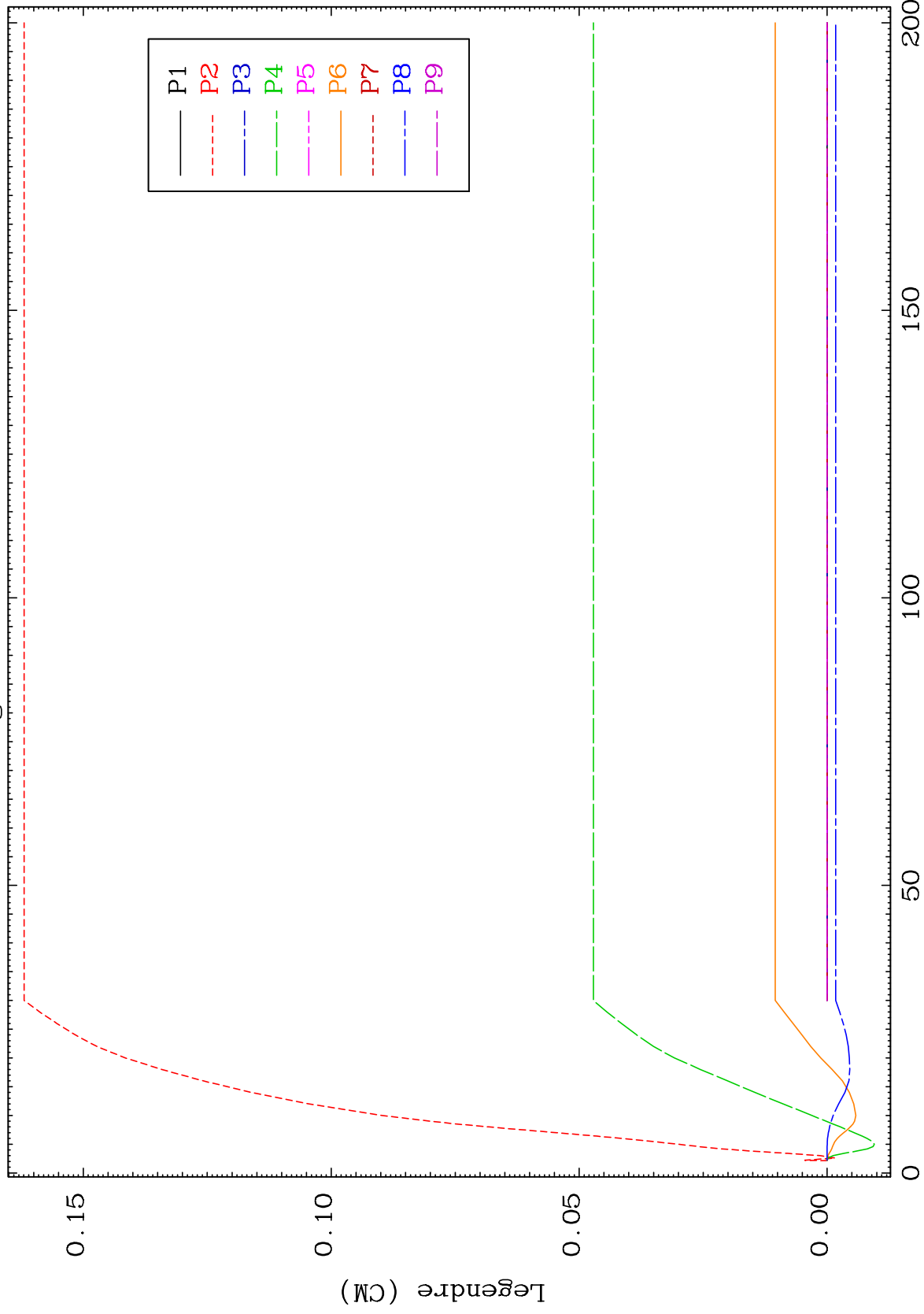


112 39-Y -96

MAT 3946

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

39-Y -96



113

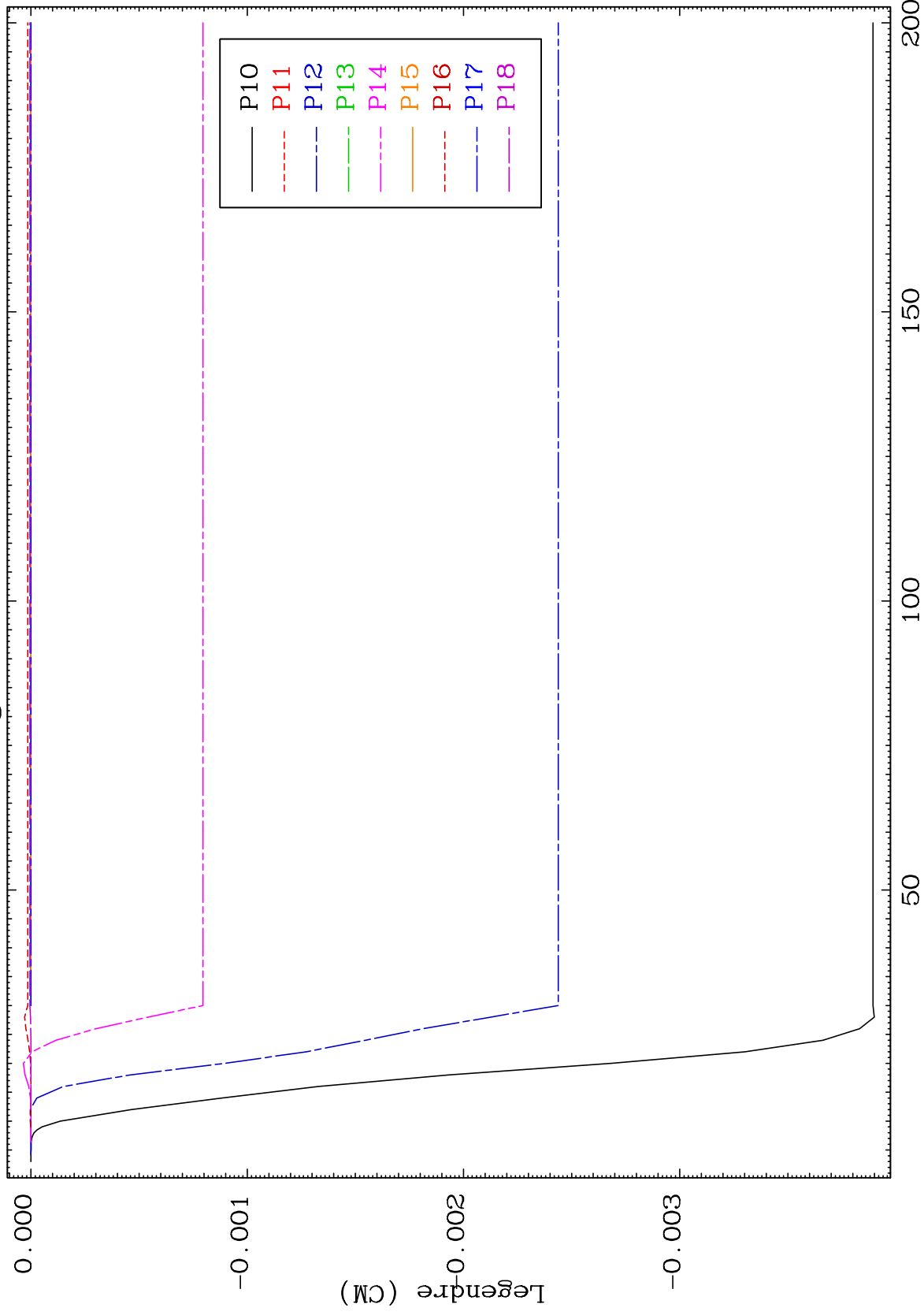
Incident Energy (MeV)

39-Y -96

MAT 3946

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

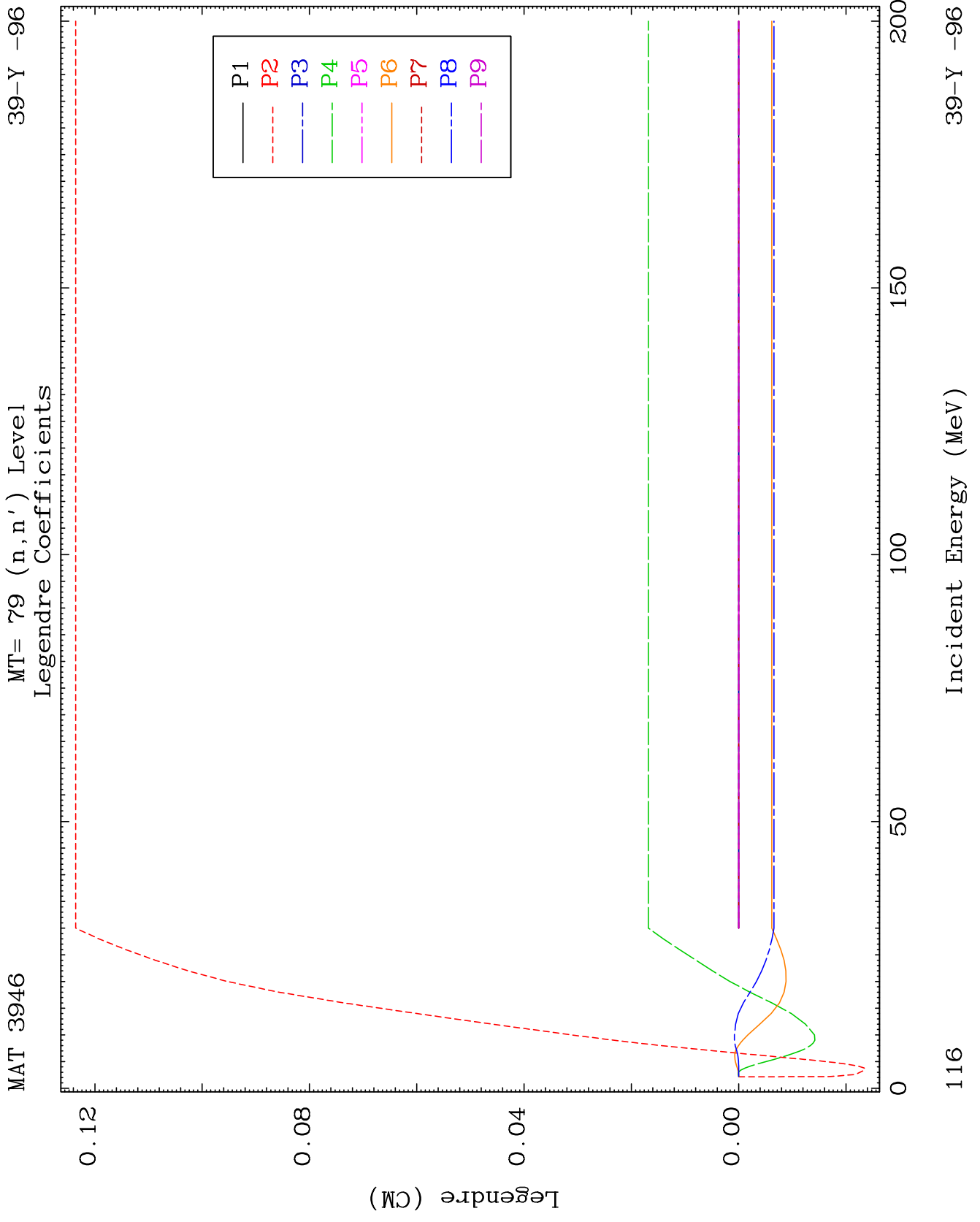
39-Y -96

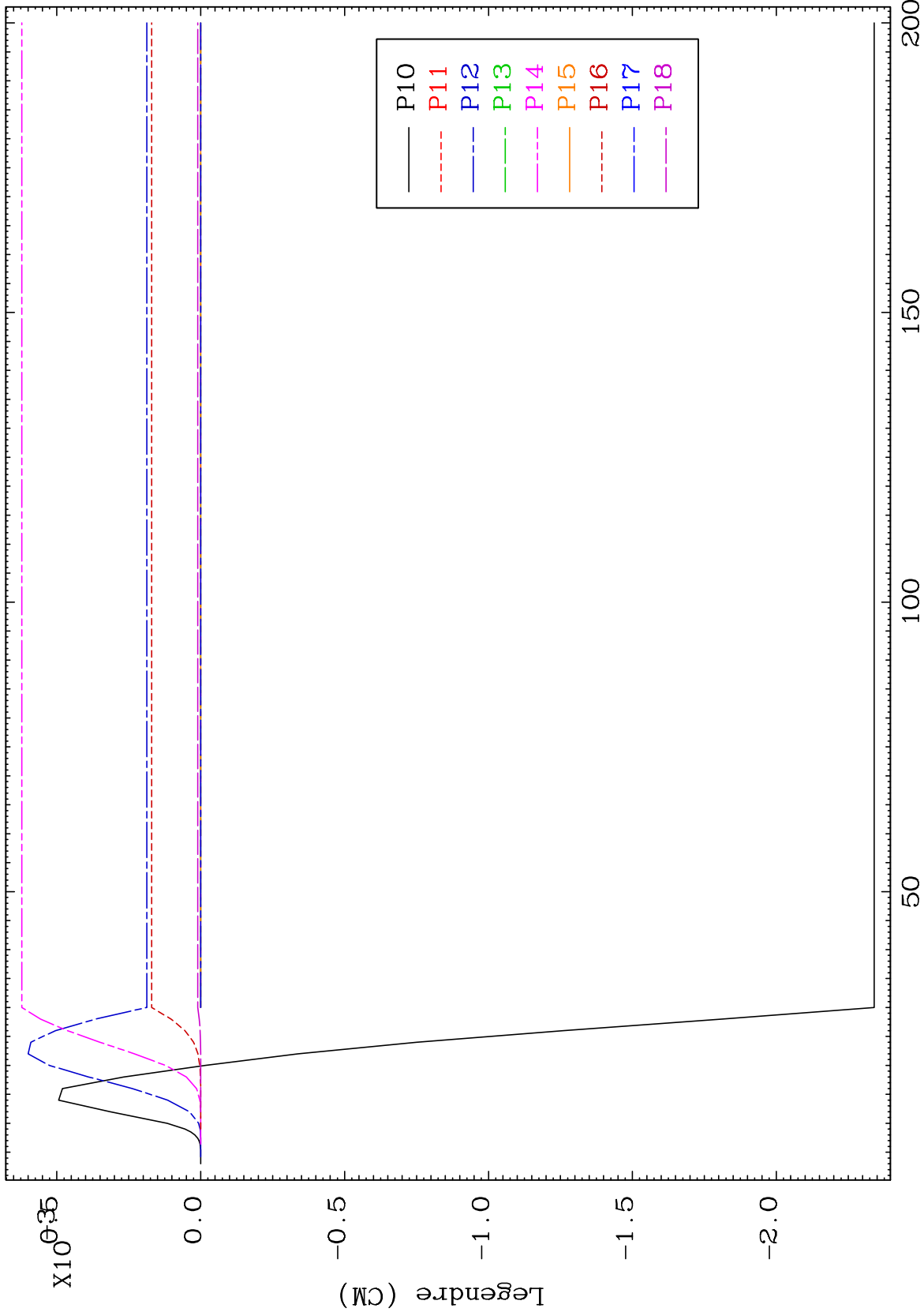


114

Incident Energy (MeV)

39-Y -96

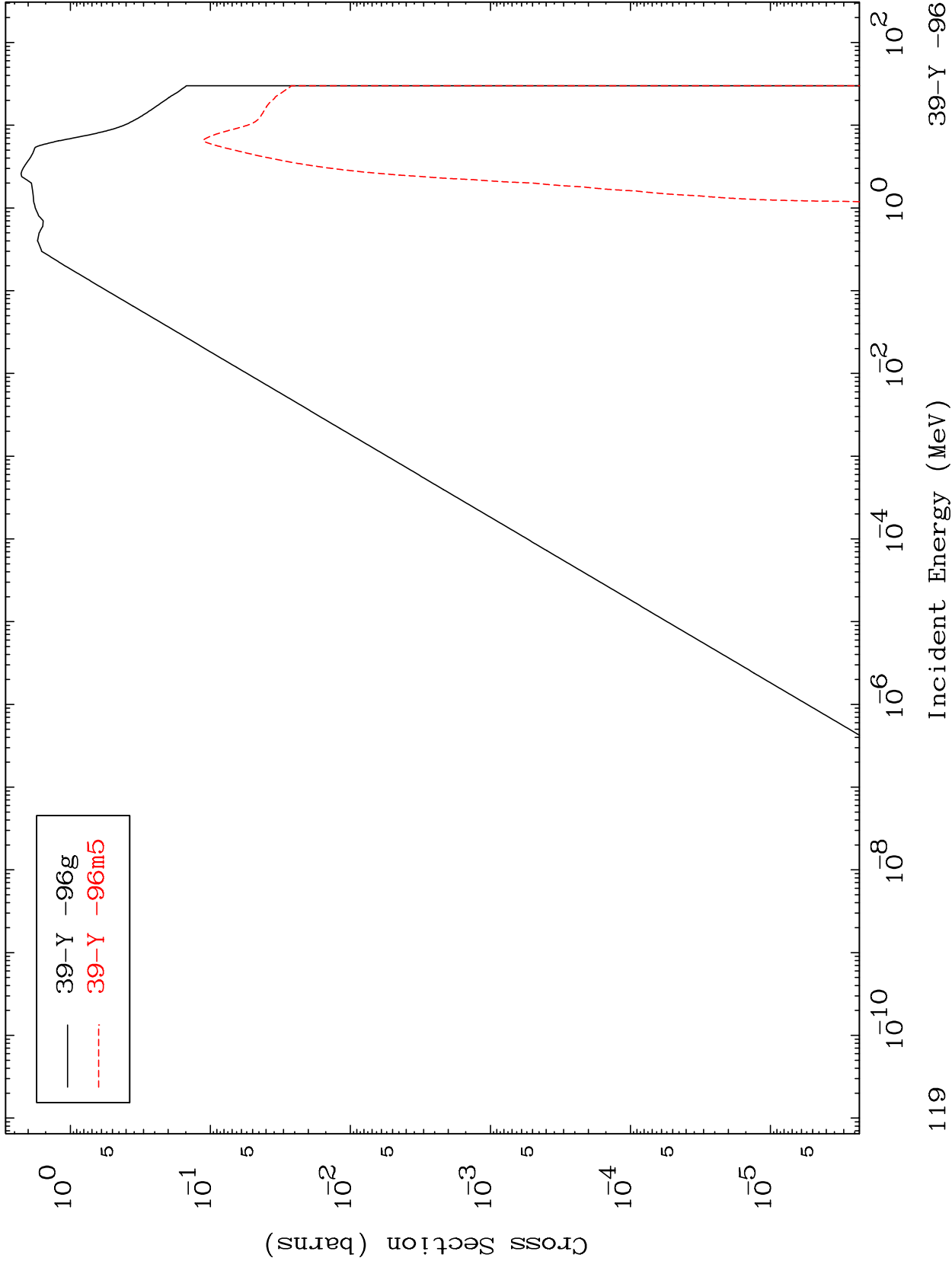




MAT 3946

Inelastic
Radionuclide Production Cross Section

39-Y -96

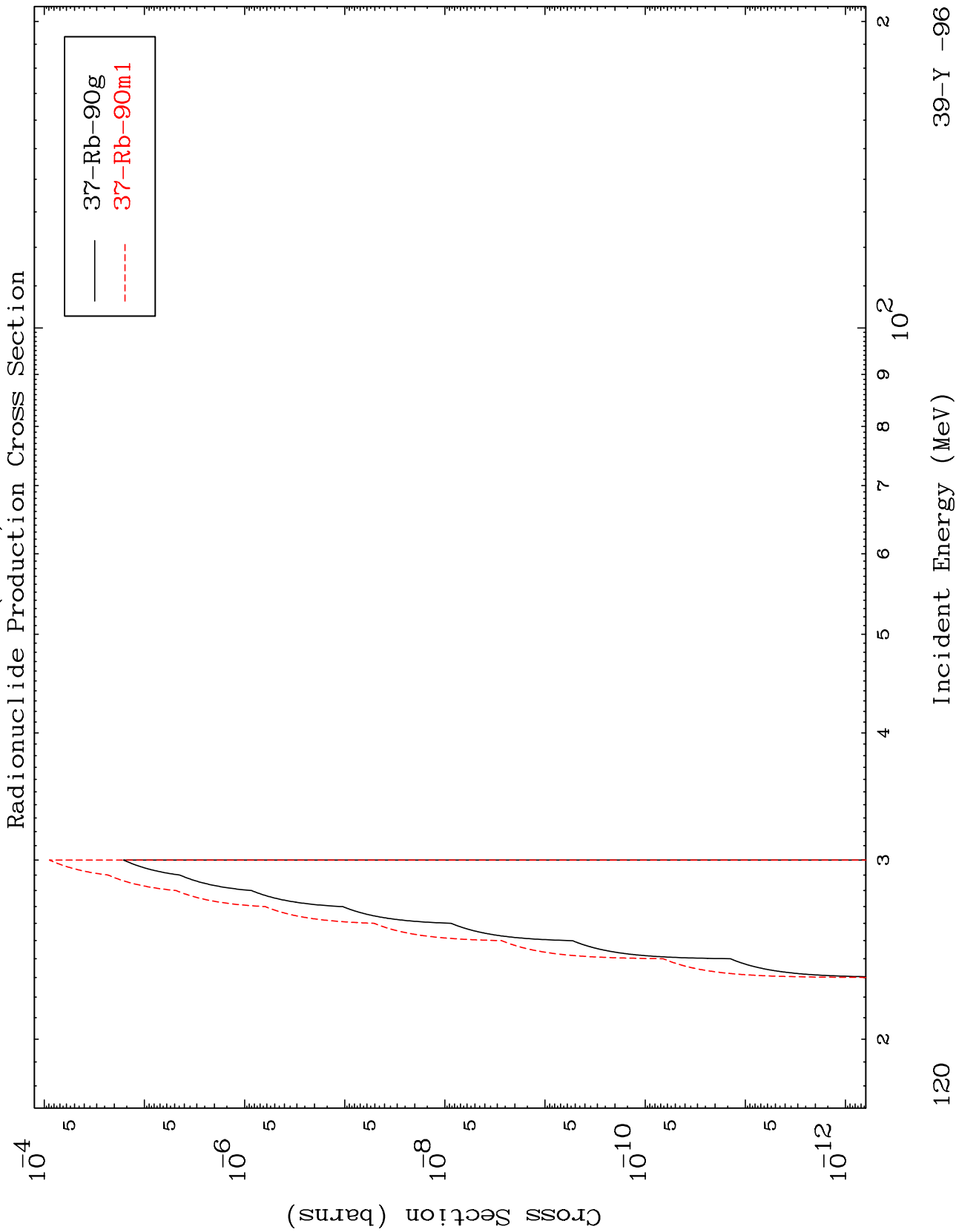


39-Y -96

MAT 3946

(n,3n) α

39-Y -96



120

Incident Energy (MeV)

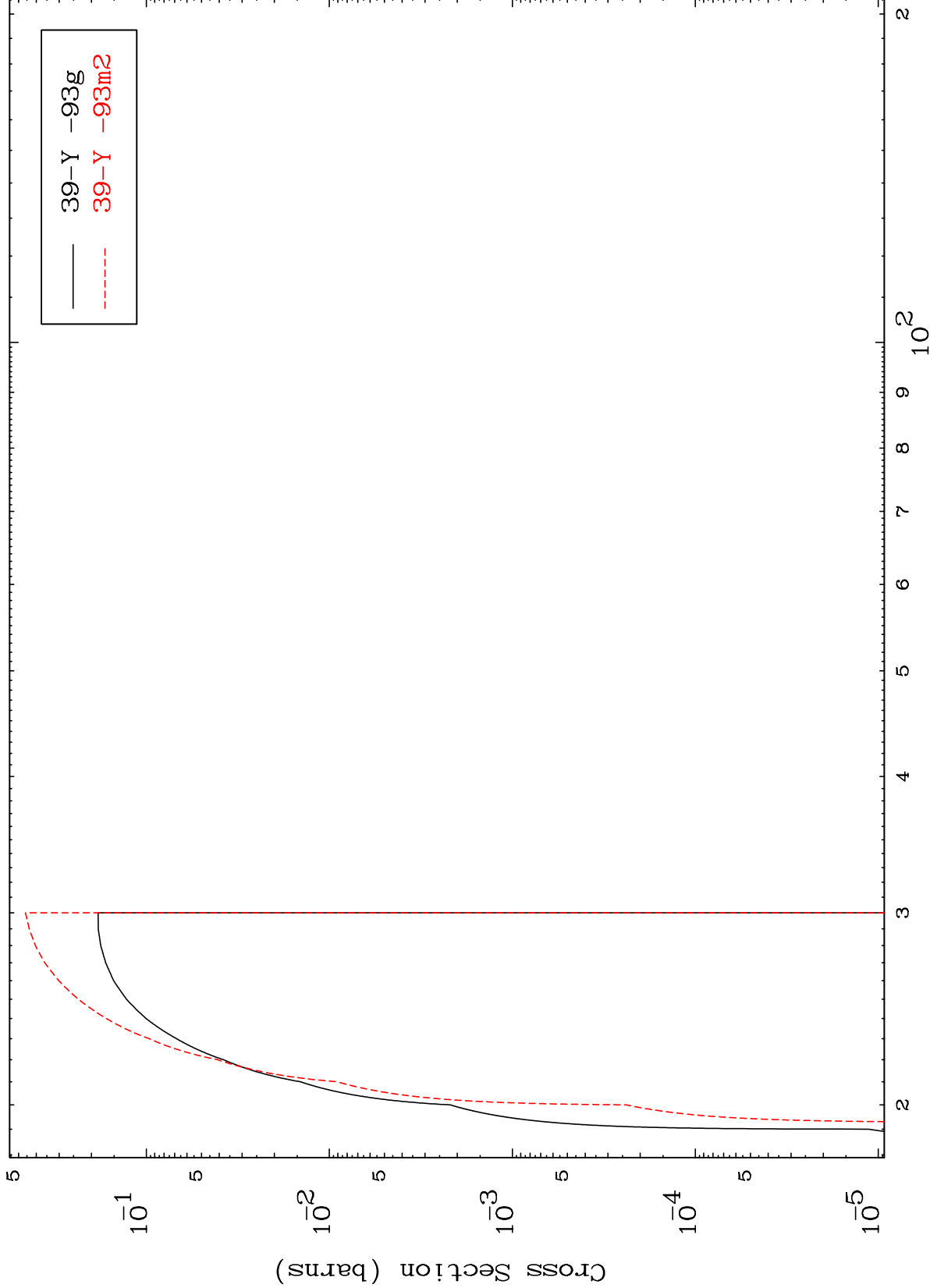
39-Y -96

MAT 3946

(n,4n)

39-Y -96

Radionuclide Production Cross Section



121

Incident Energy (MeV)

39-Y -96

(n,γ)
Radionuclide Production Cross Section

