

Program EVALPLOT
(Version 2017-1)

by

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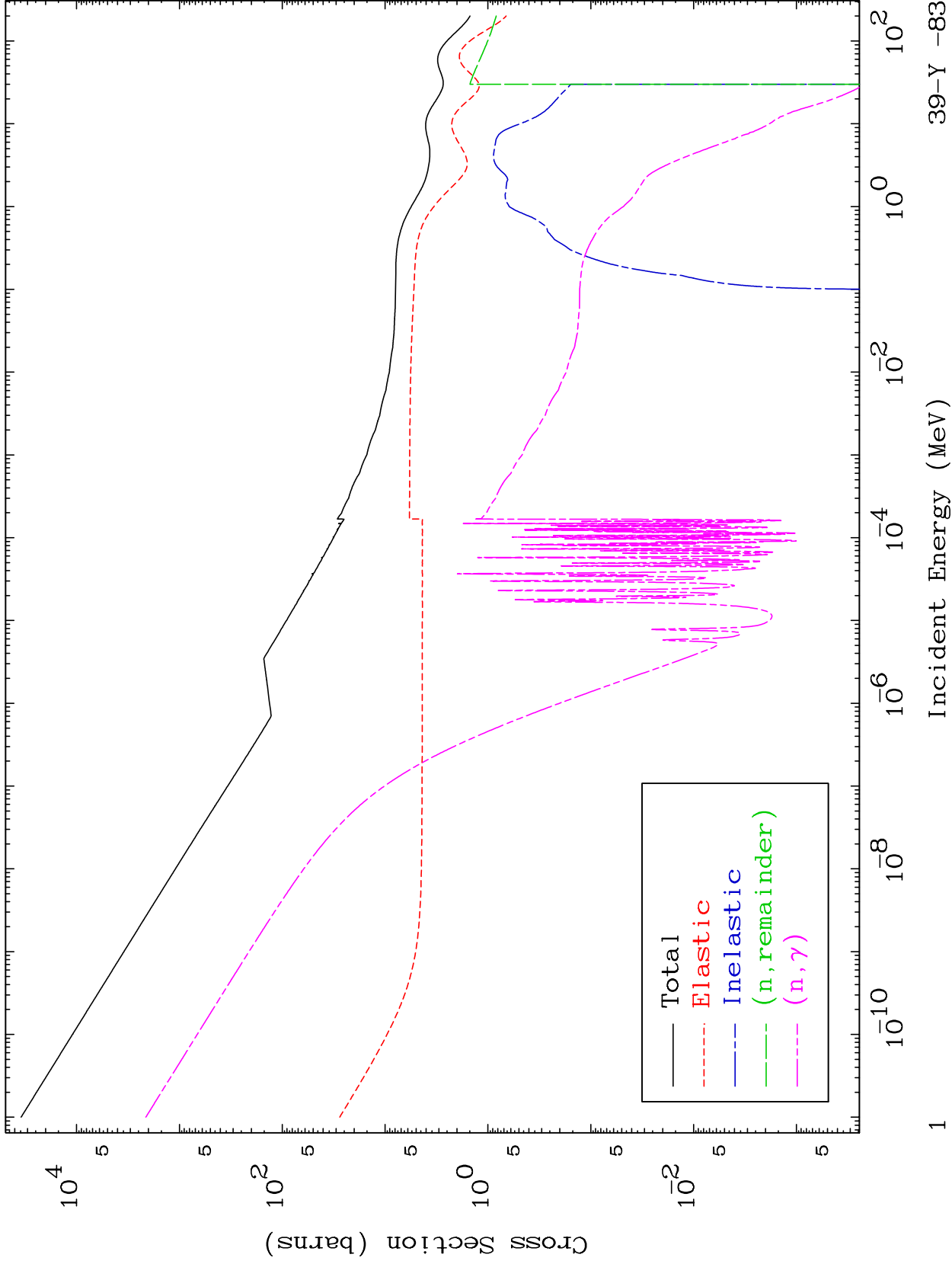
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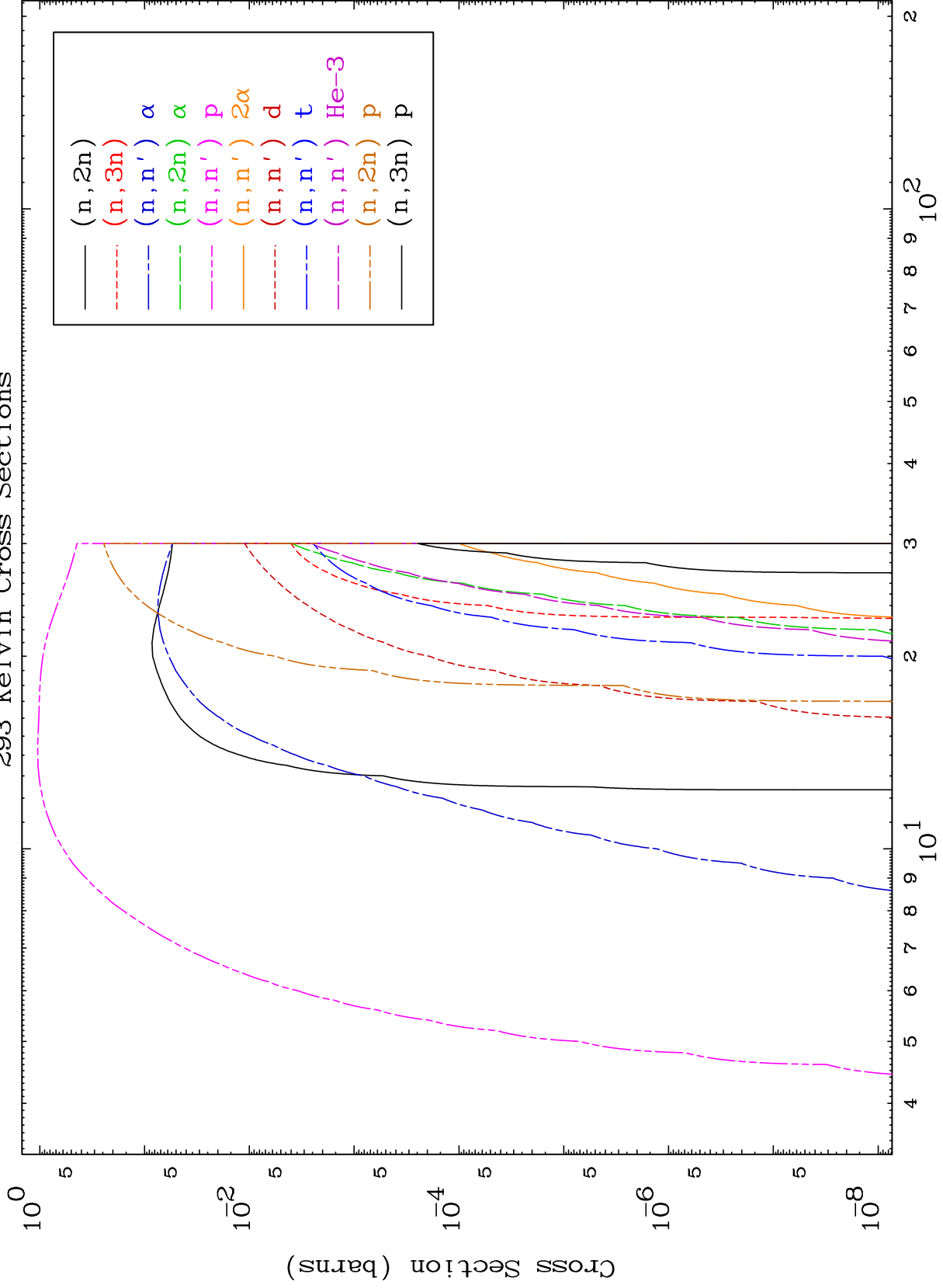
Press Mouse Button to Start

MAT 3907

Major
293 Kelvin Cross Sections

39-Y -83

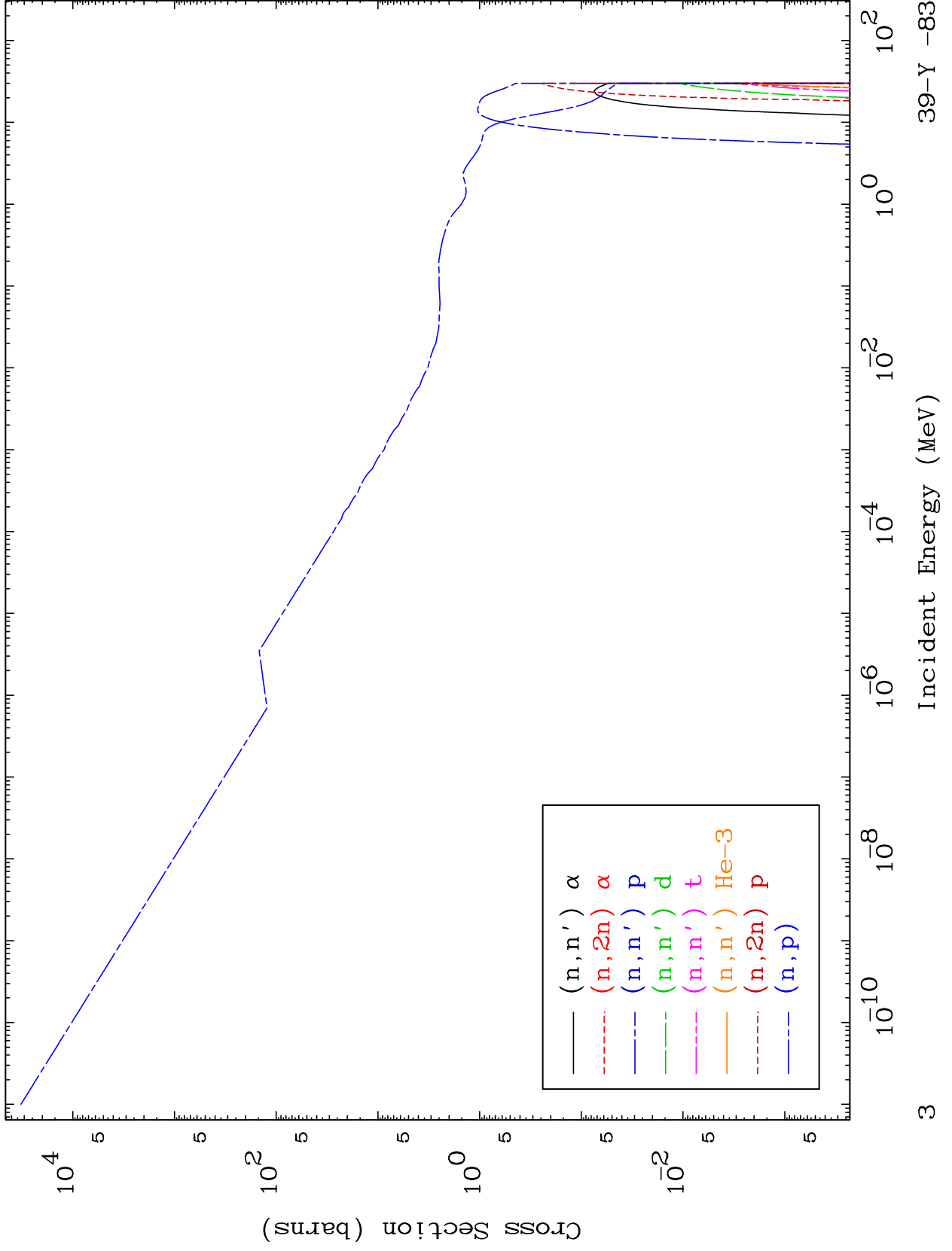




MAT 3907

Charged Particle
293 Kelvin Cross Sections

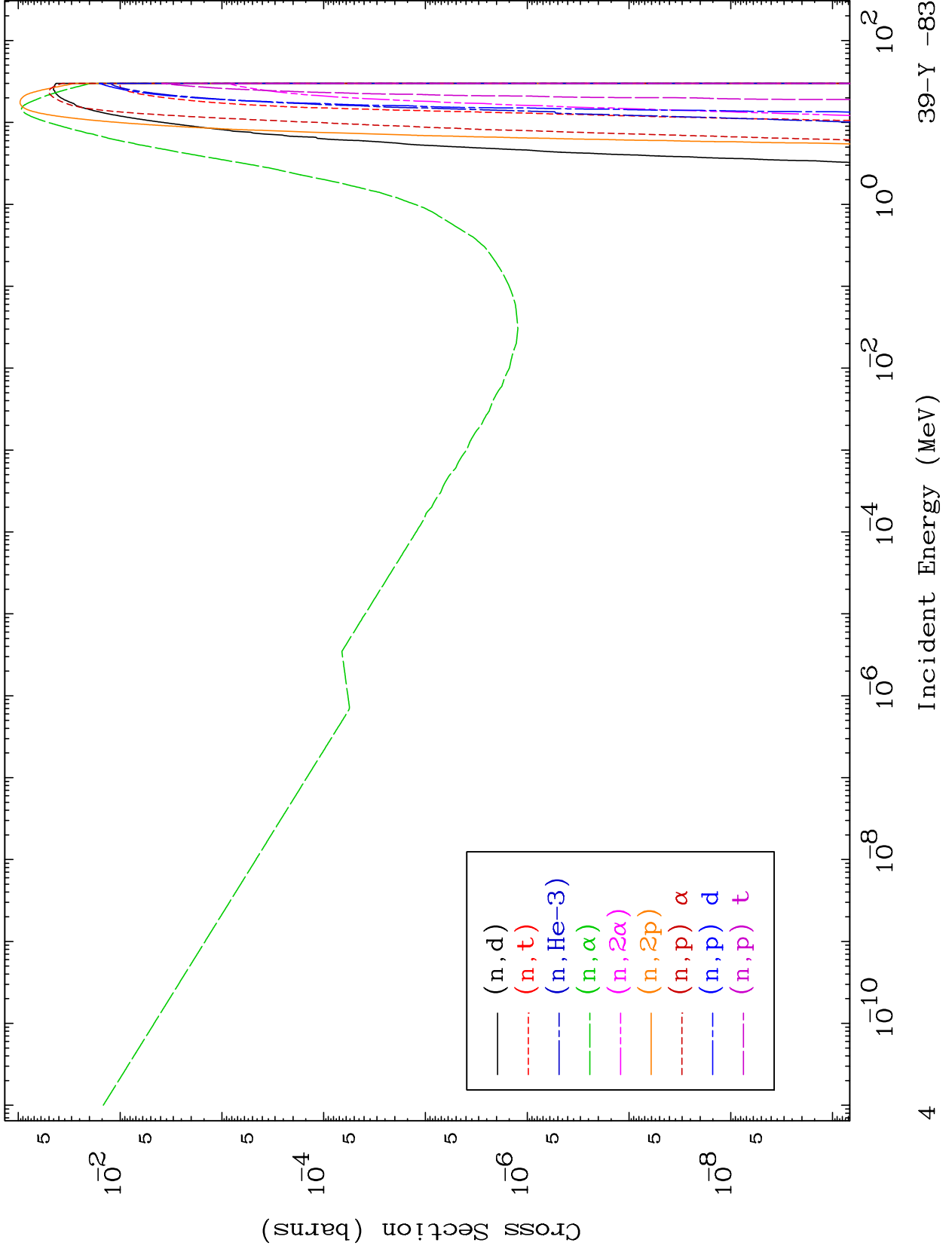
39-Y -83



MAT 3907

Charged Particle
293 Kelvin Cross Sections

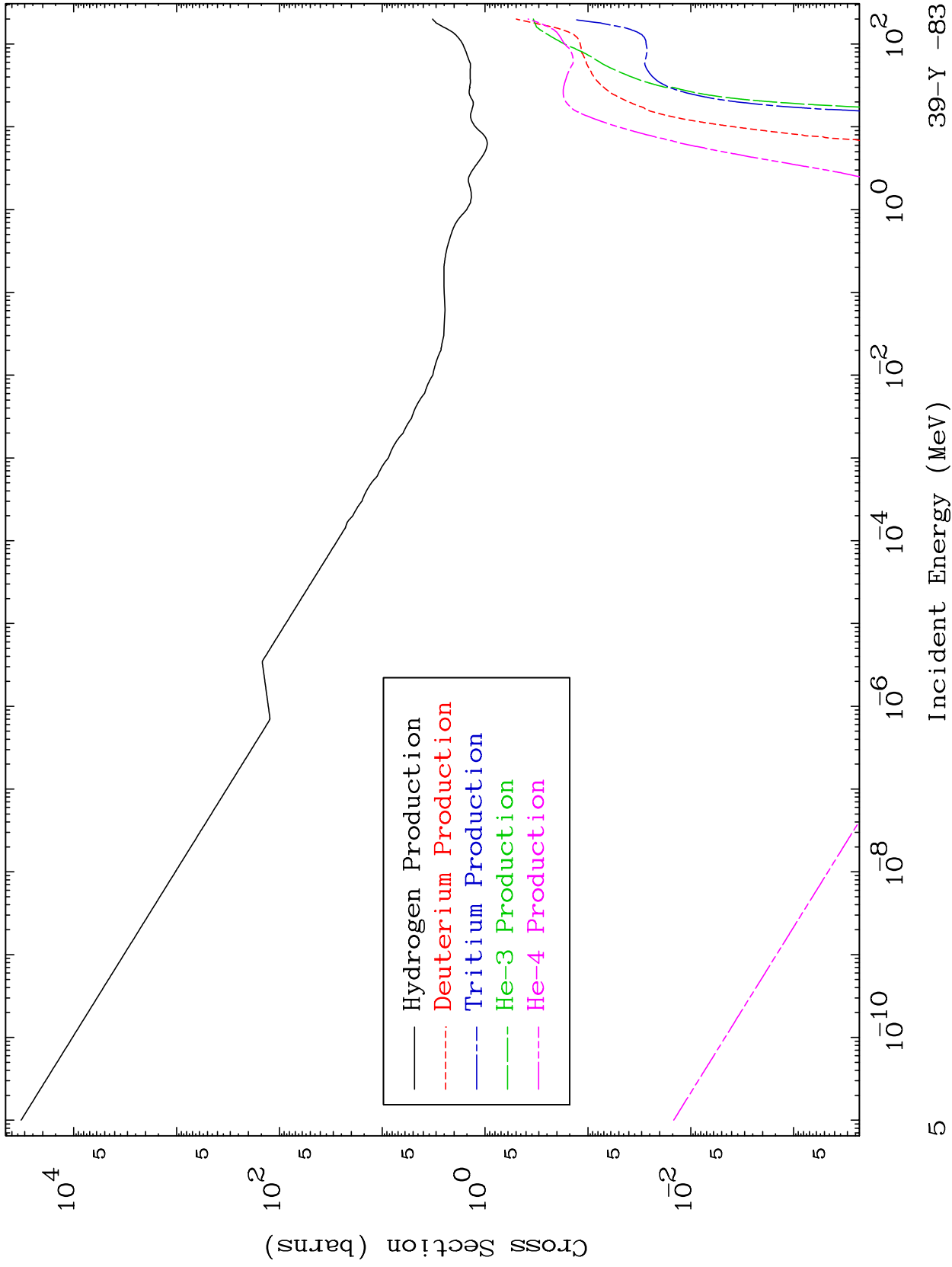
39-Y -83



MAT 3907

Particle Production
293 Kelvin Cross Sections

39-Y -83



5

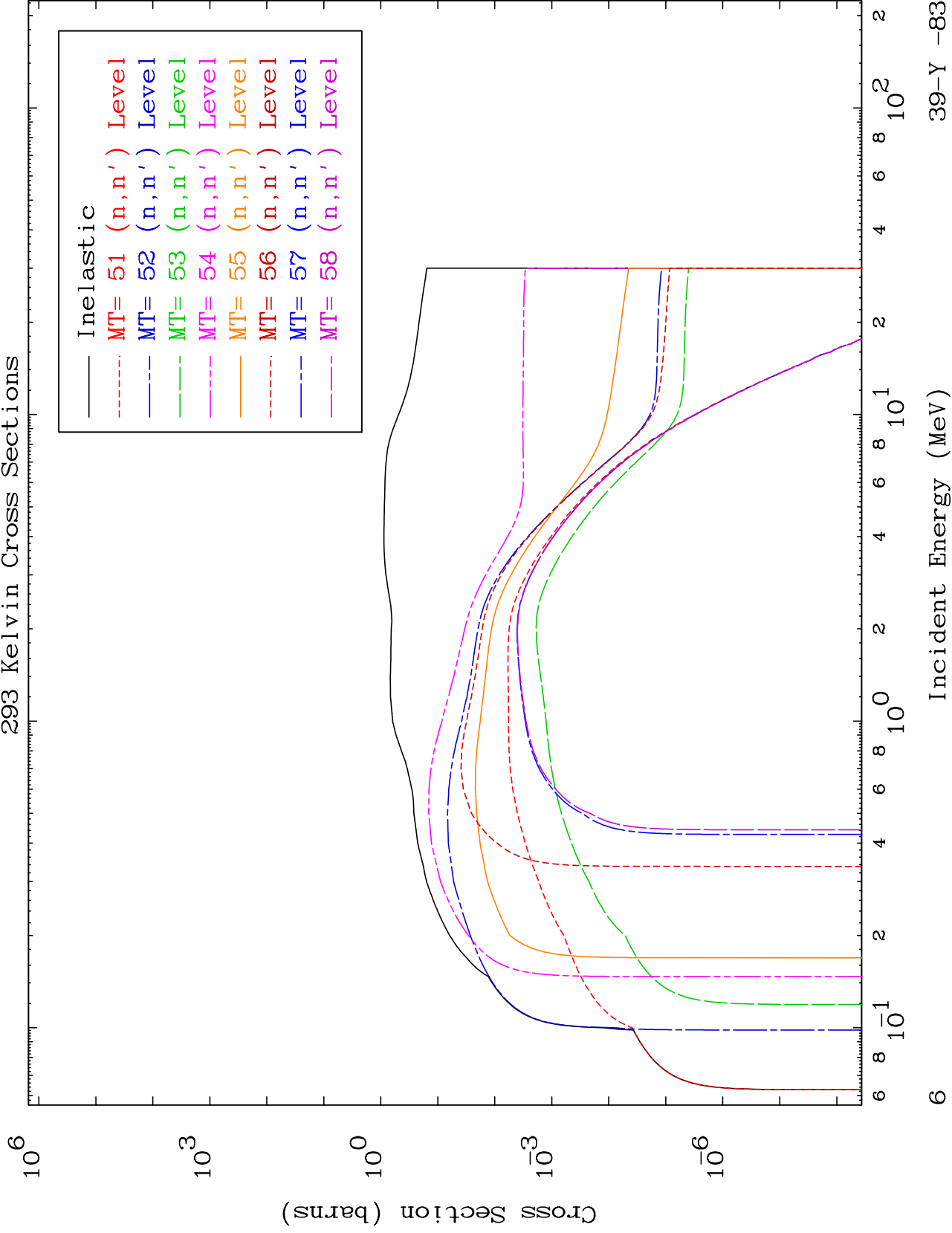
39-Y -83

MAT 3907

(n,n') Level

39-Y -83

293 Kelvin Cross Sections

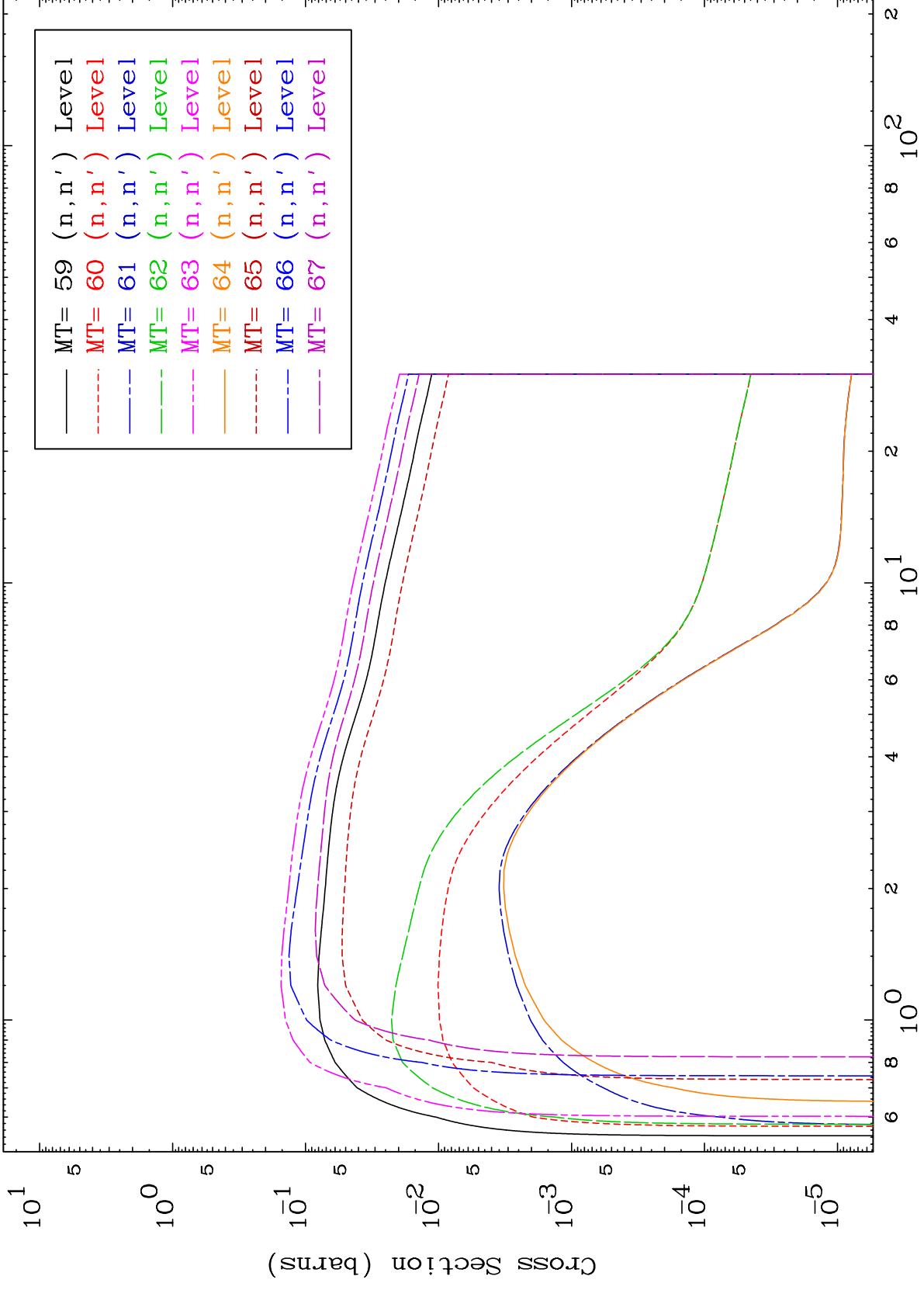


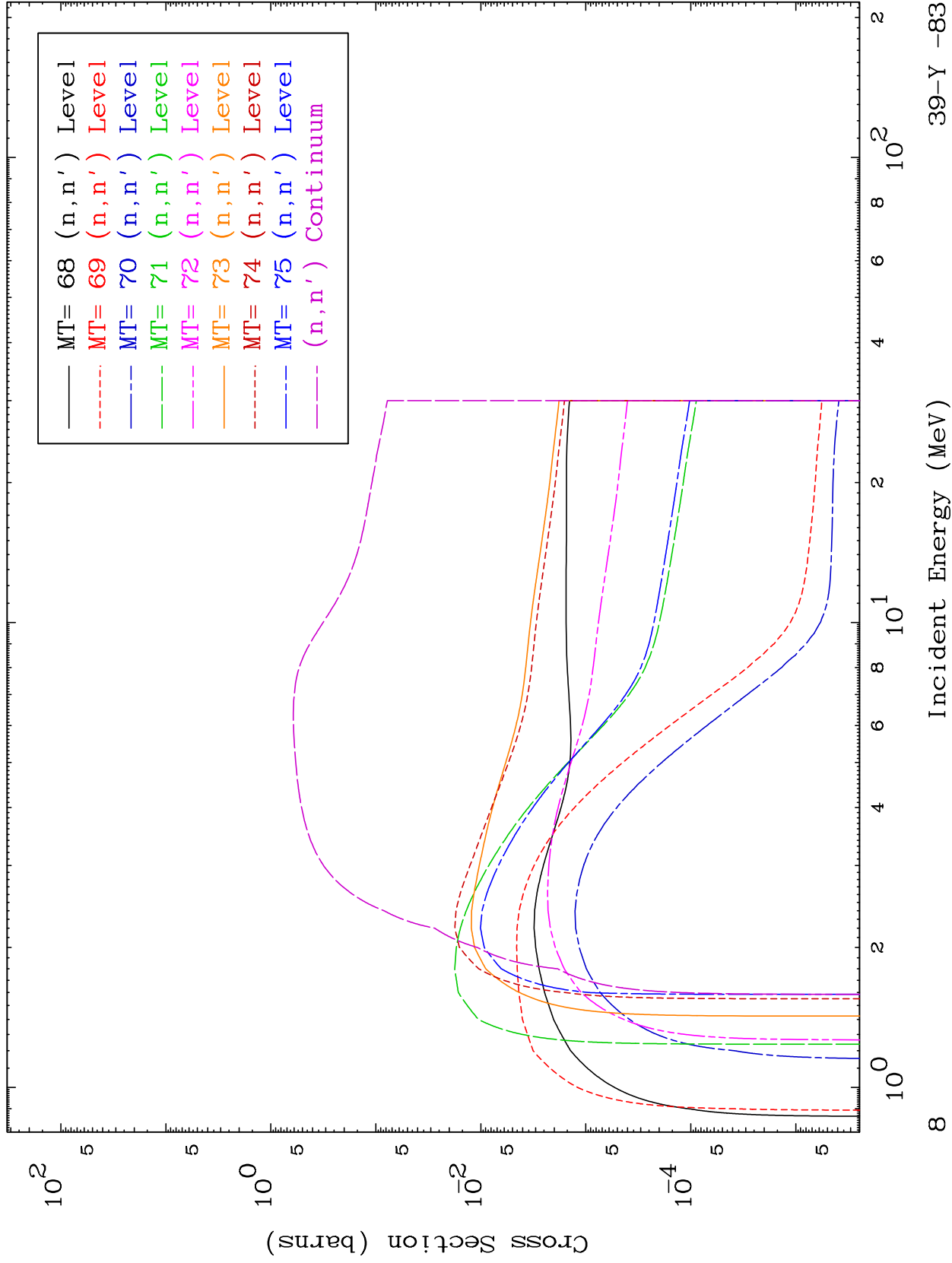
6

Incident Energy (MeV)

39-Y -83

293 Kelvin Cross Sections

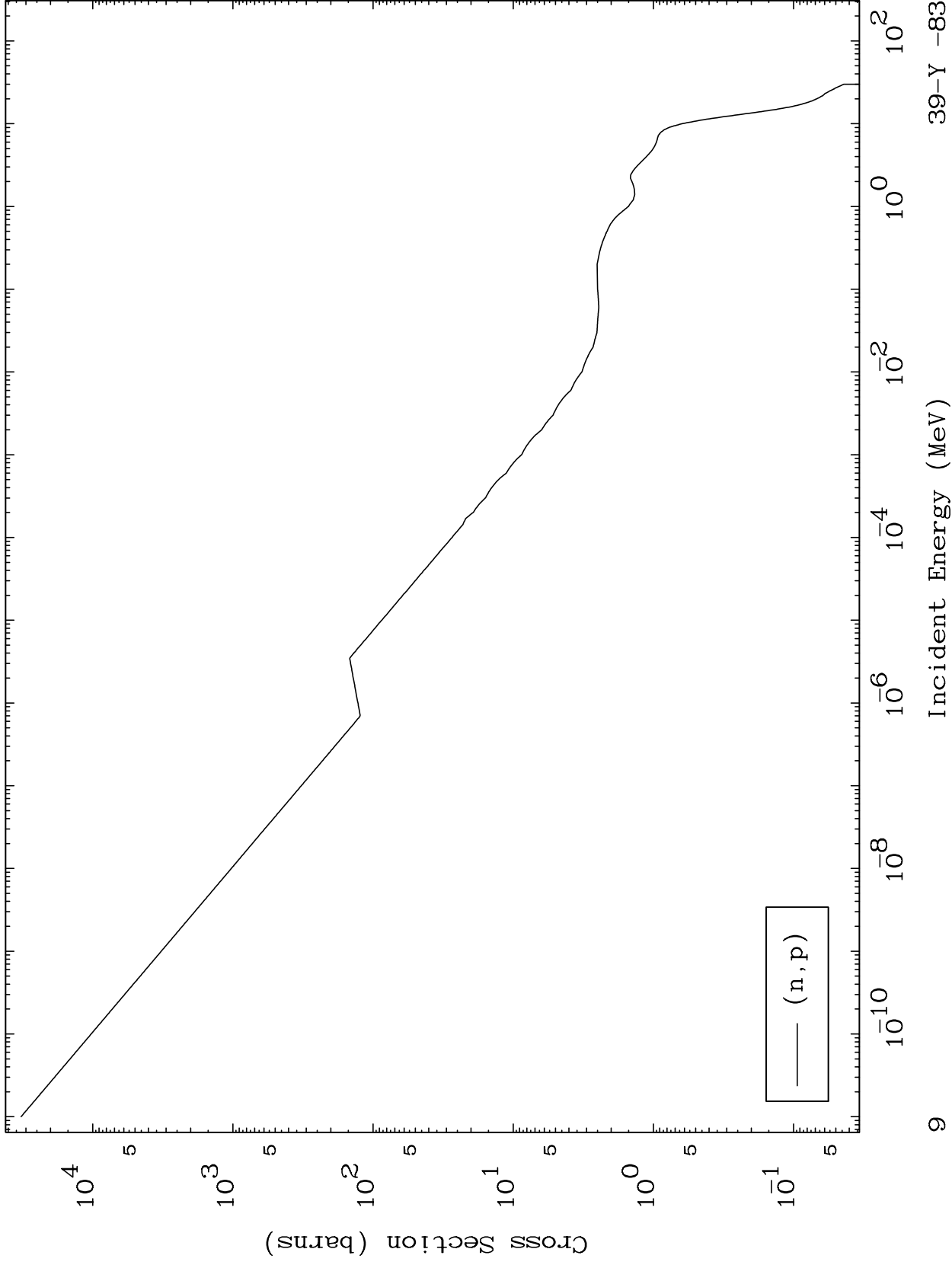




MAT 3907

(n,p) Levels
293 Kelvin Cross Sections

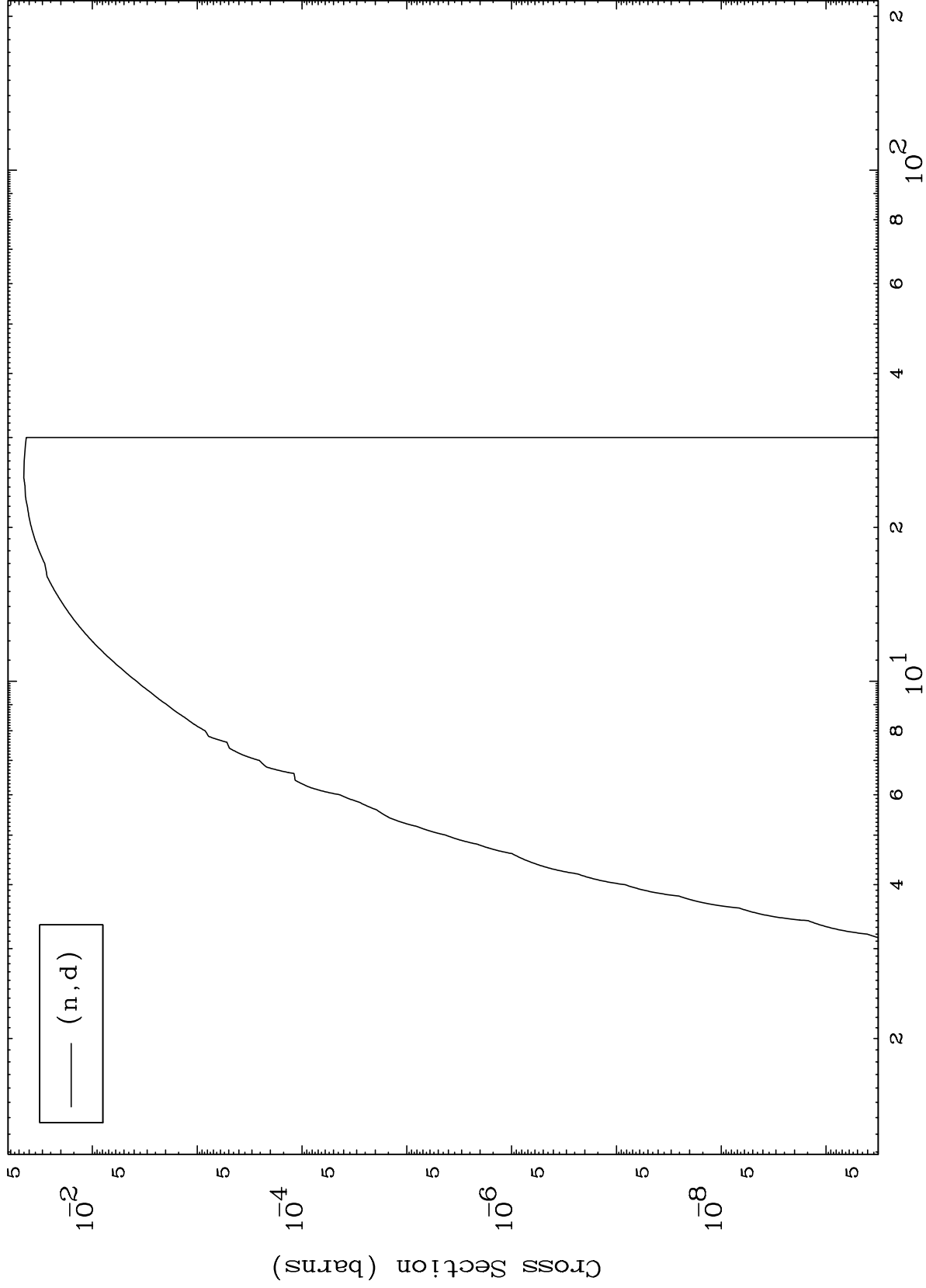
39-Y -83



MAT 3907

(n,d) Levels
293 Kelvin Cross Sections

39-Y -83



10

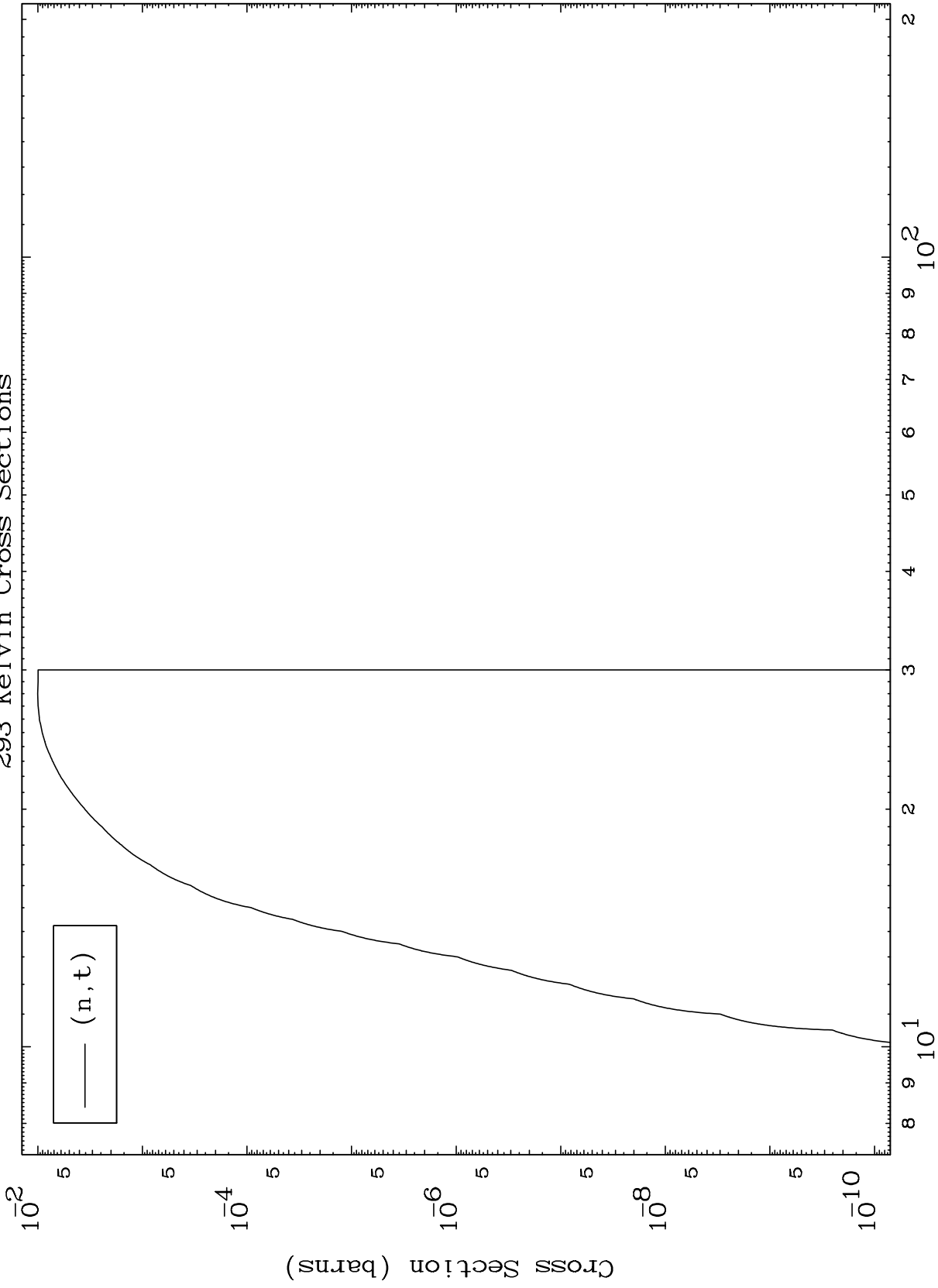
Incident Energy (MeV)

39-Y -83

MAT 3907

(n,t) Levels
293 Kelvin Cross Sections

39-Y -83



11

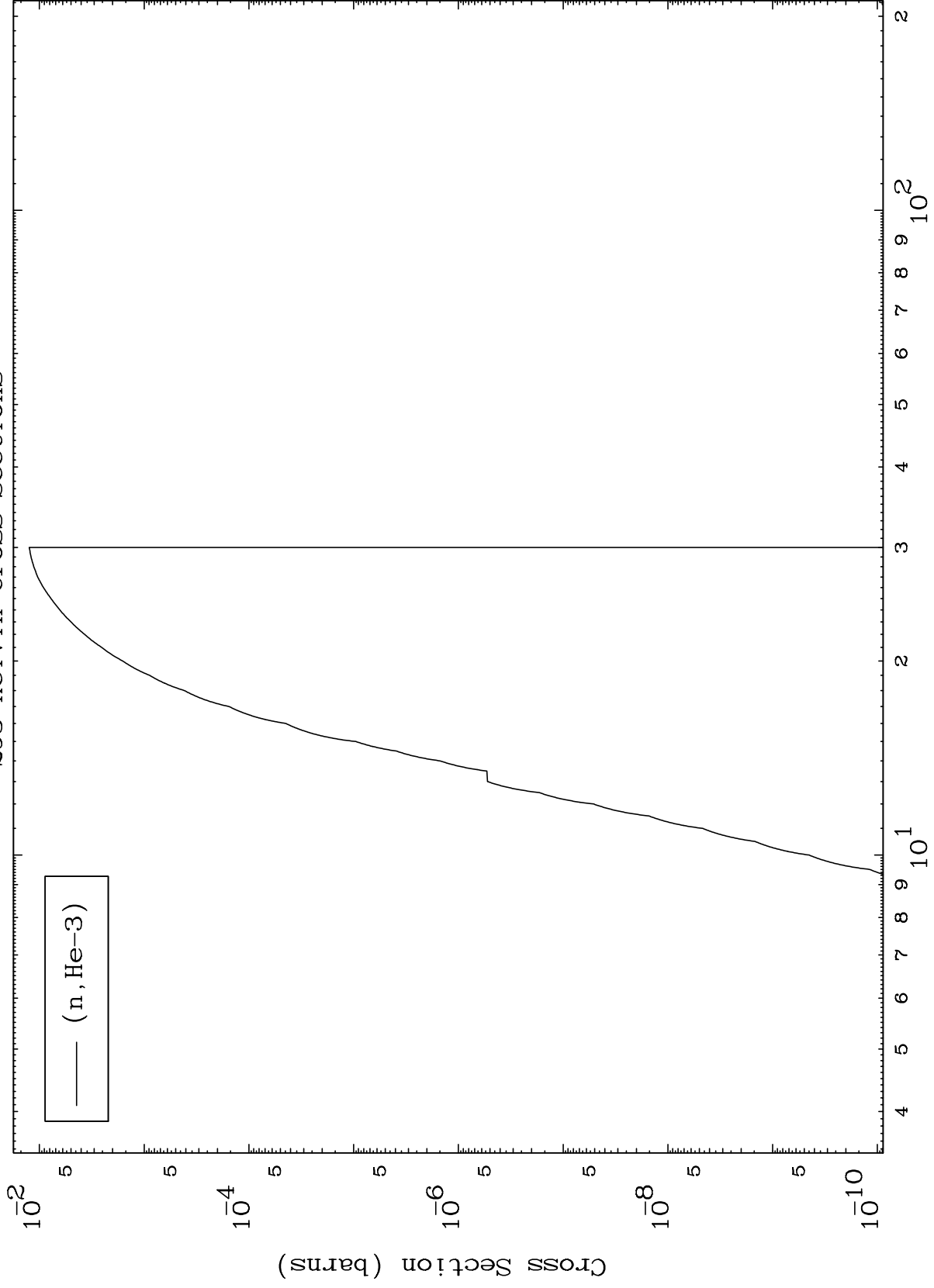
Incident Energy (MeV)

39-Y -83

MAT 3907

(n,He3) Levels
293 Kelvin Cross Sections

39-Y -83



12

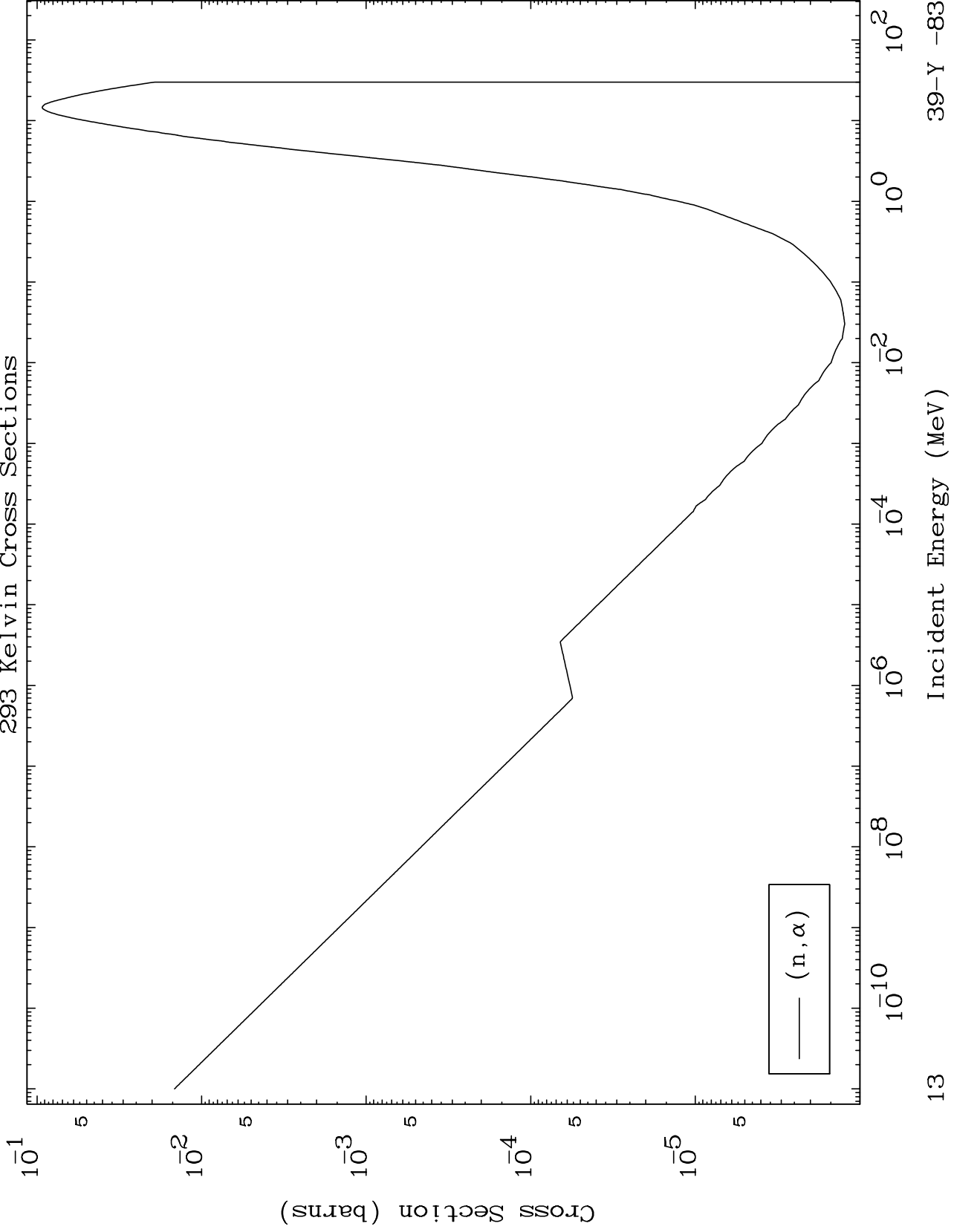
Incident Energy (MeV)

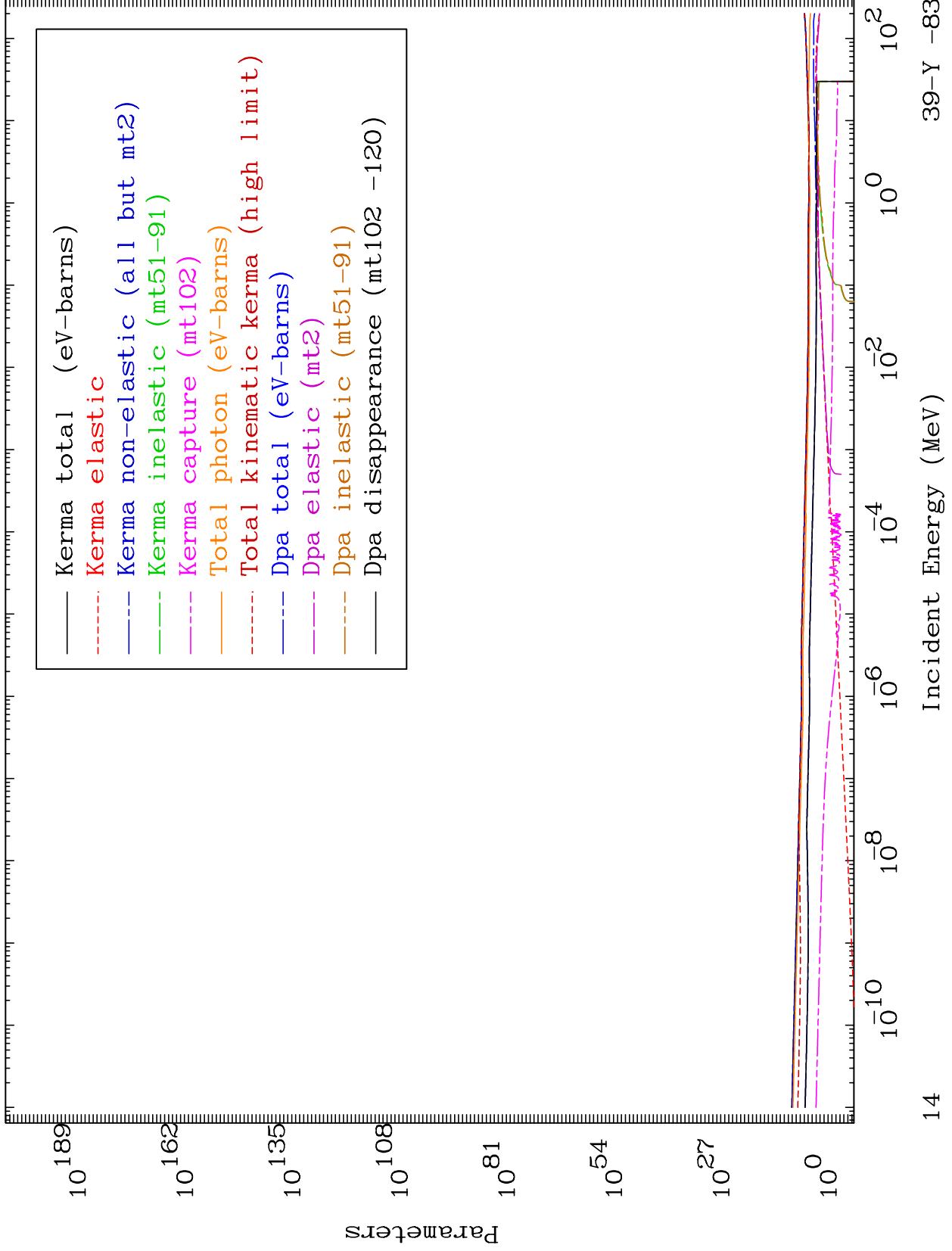
39-Y -83

MAT 3907

(n, α) Levels
293 Kelvin Cross Sections

39-Y -83

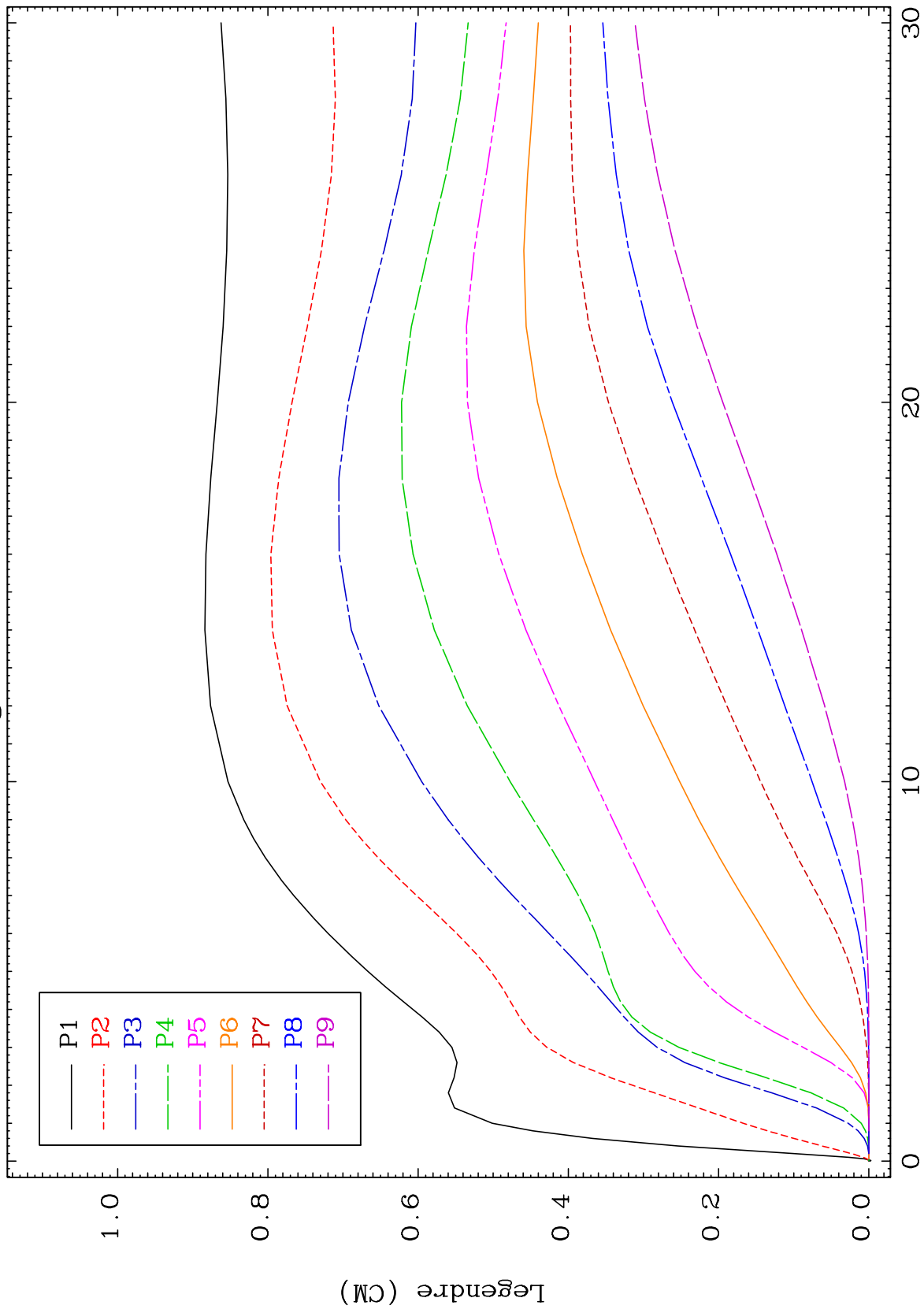




MAT 3907

Elastic Legendre Coefficients

39-Y -83



15

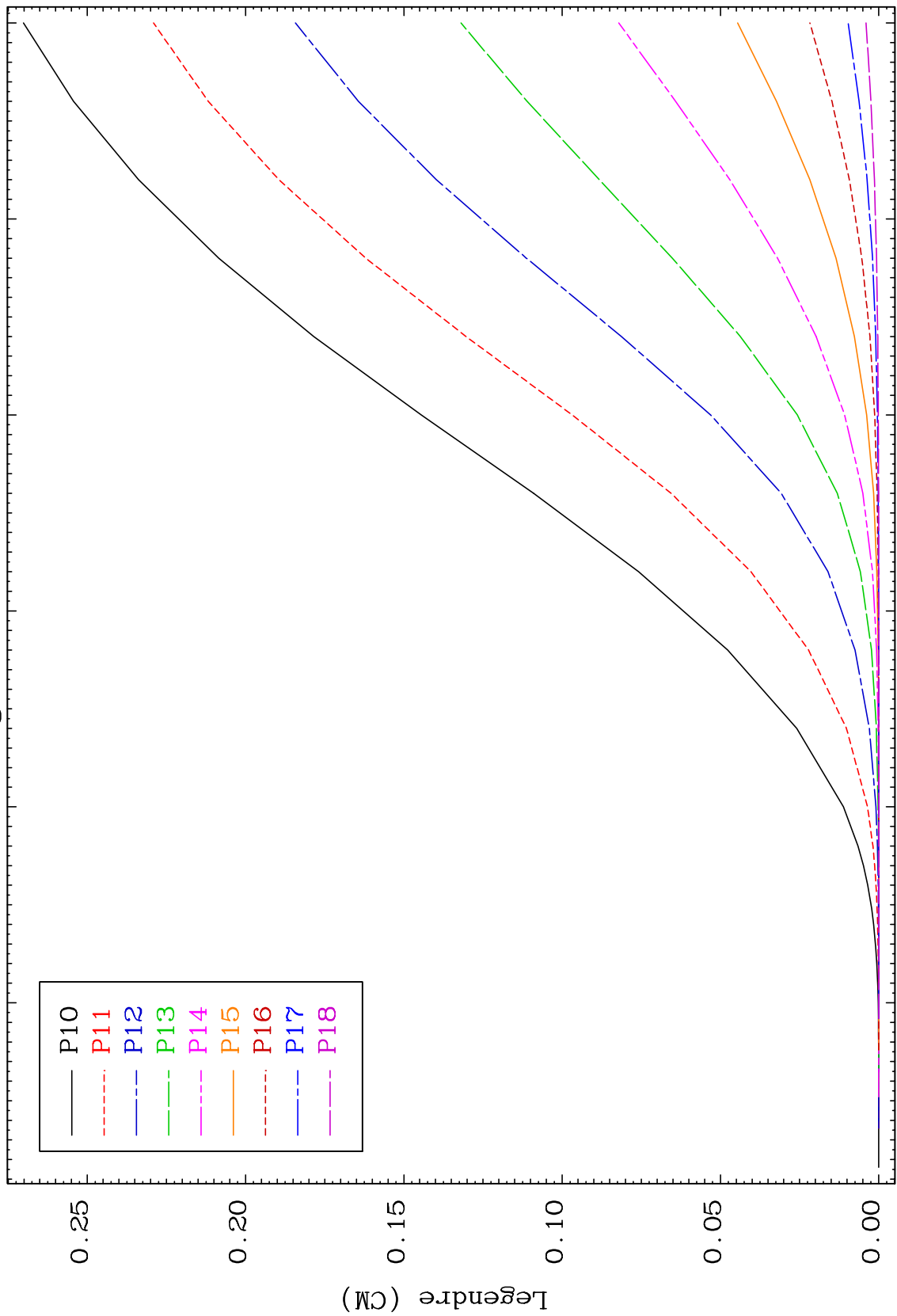
Incident Energy (MeV)

39-Y -83

MAT 3907

Elastic Legendre Coefficients

39-Y -83

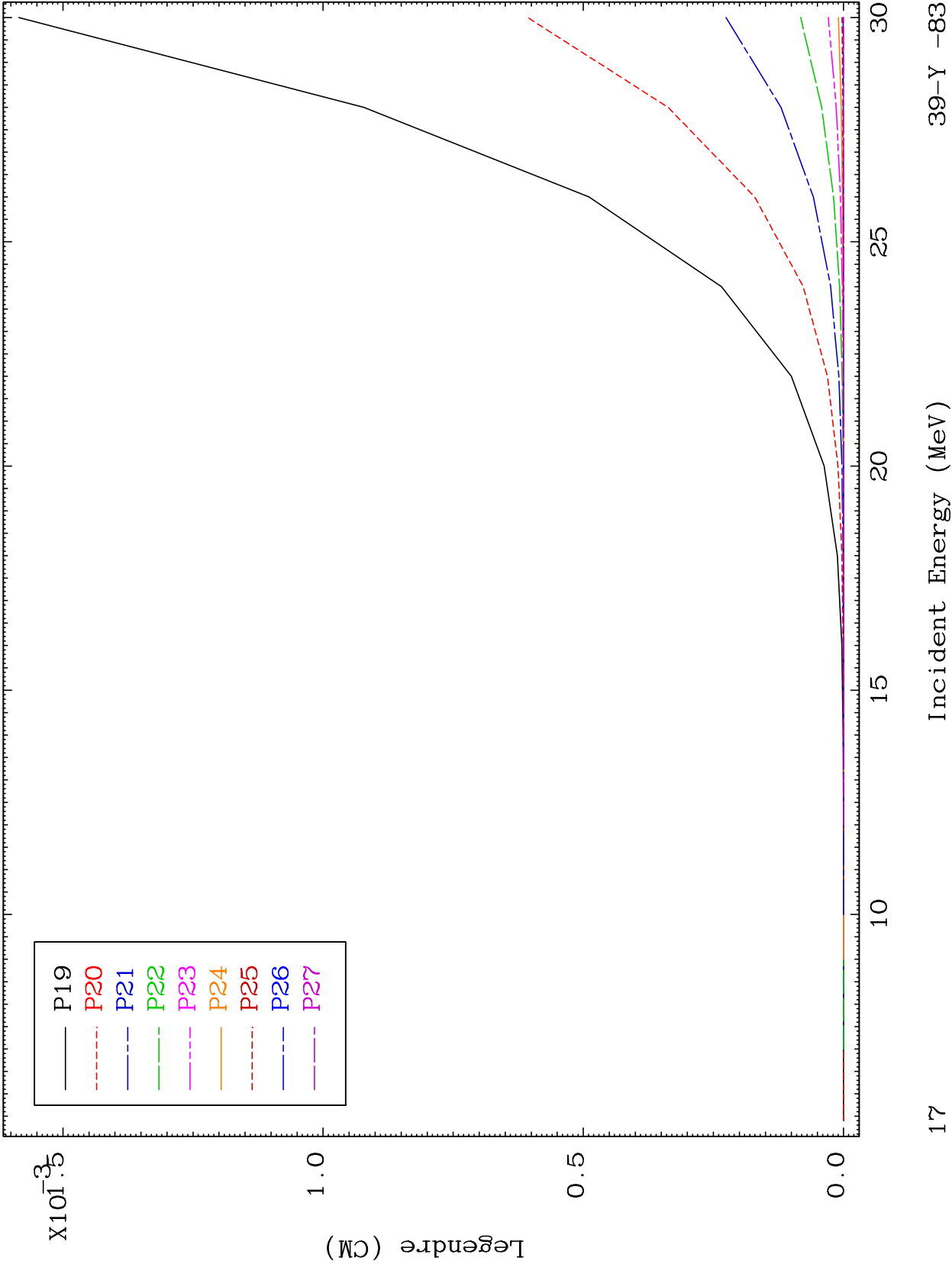


16

Incident Energy (MeV)

39-Y -83

Elastic Legendre Coefficients



MAT 3907

39-Y -83

Elastic Legendre Coefficients



Legendre (CM)
 $\times 10^{-7}$

- P28
- P29
- P30
- P31
- P32
- P33
- P34

18

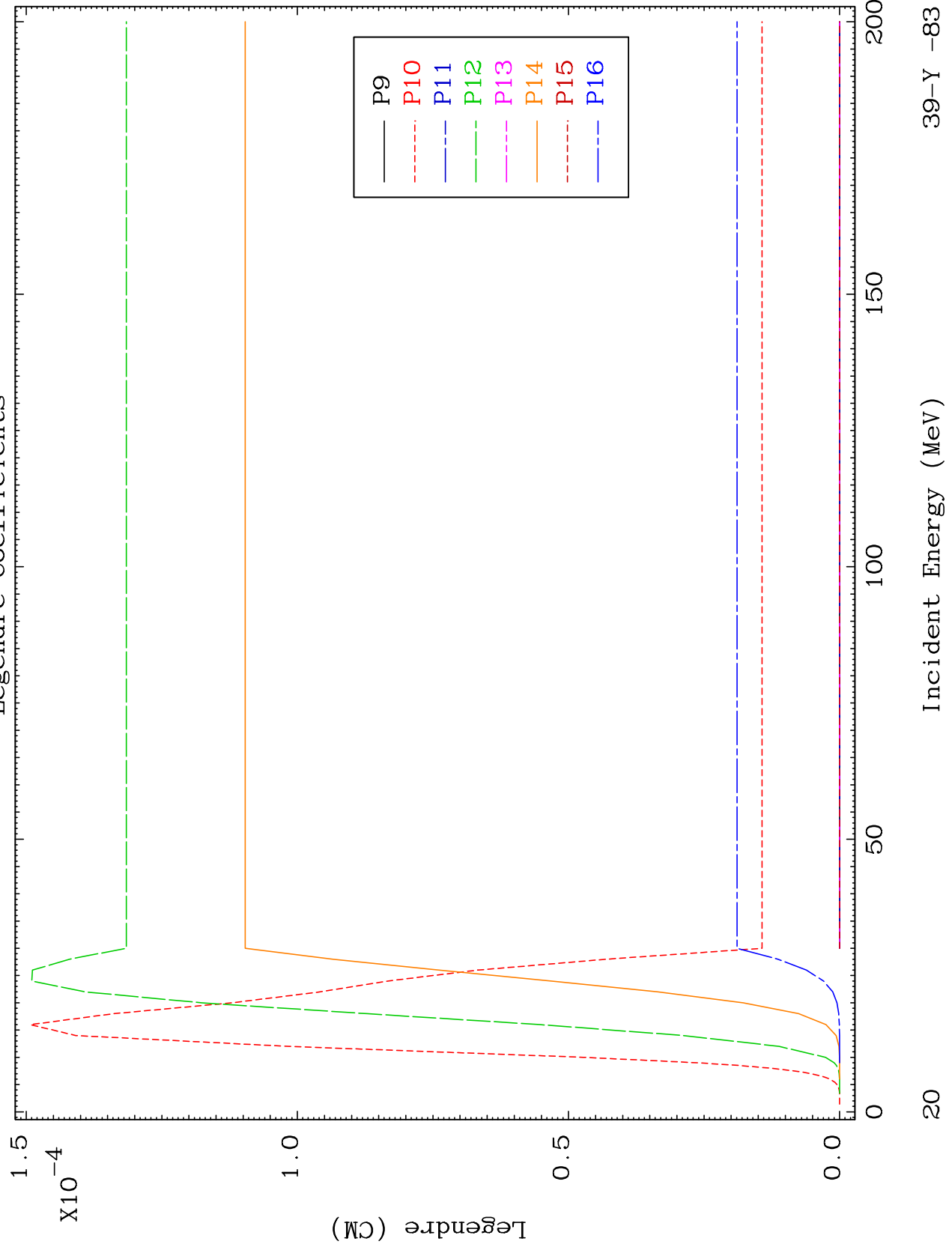
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83

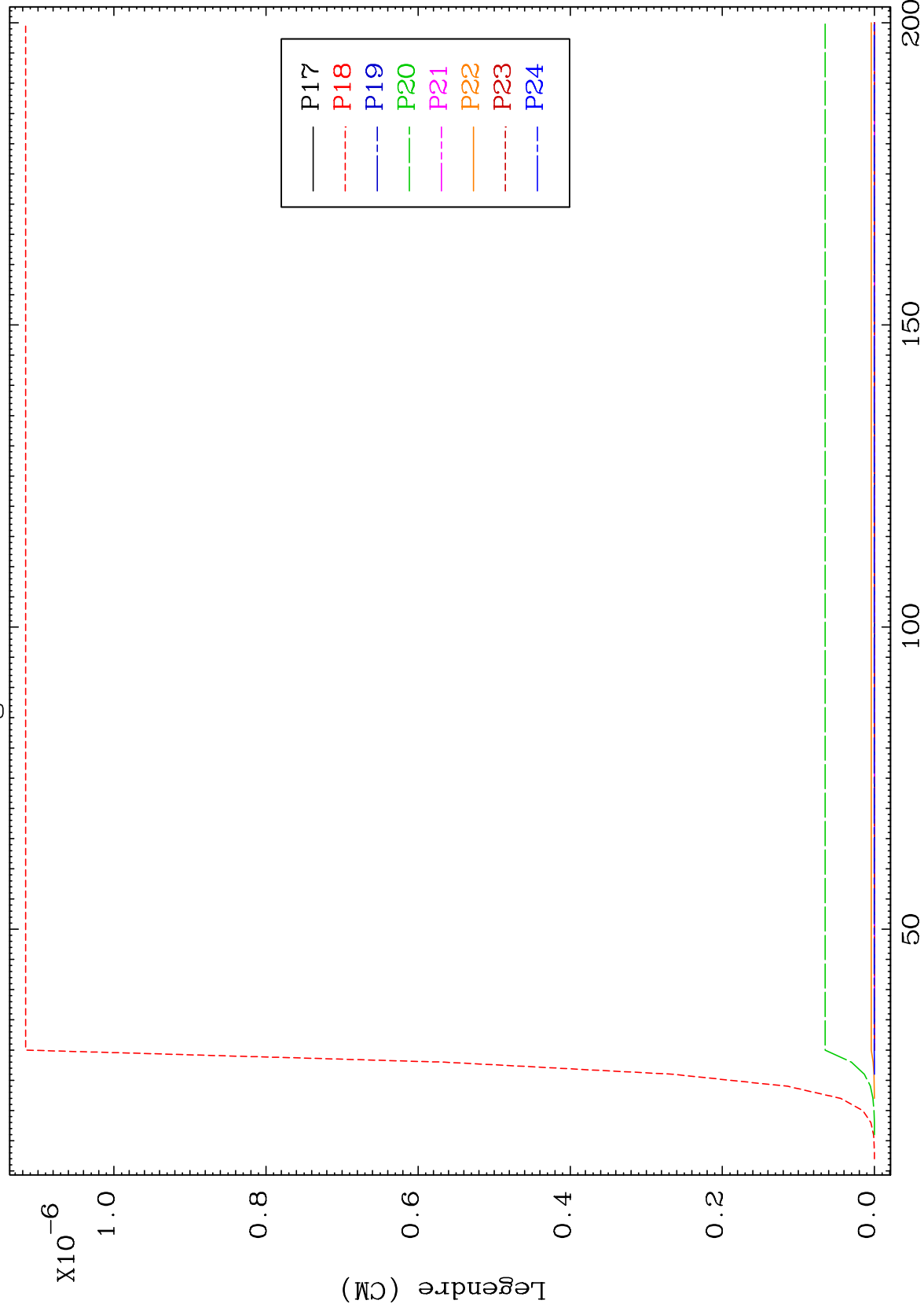


39-Y -83

MAT 3907

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

39-Y -83



21

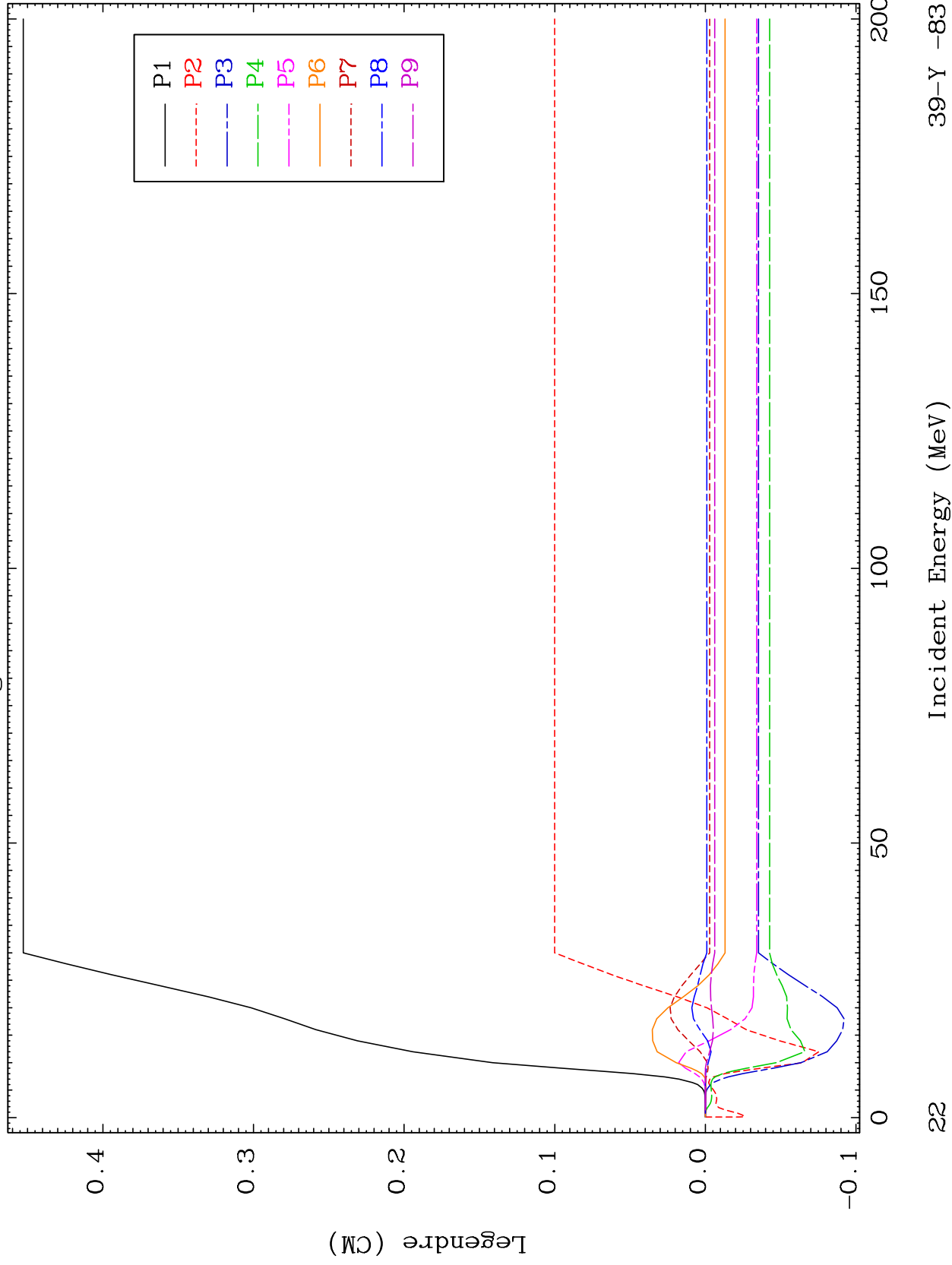
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



22

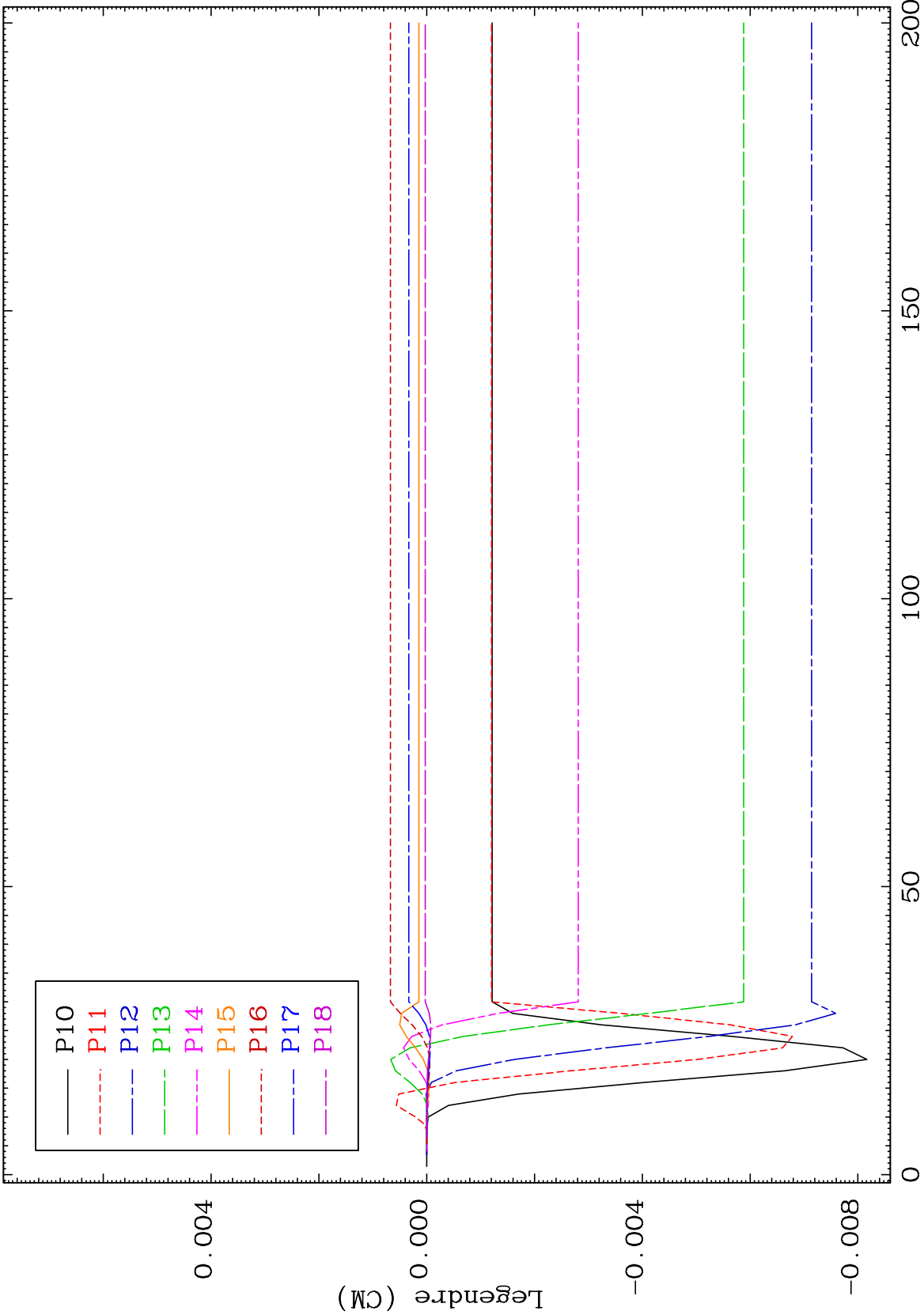
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



23

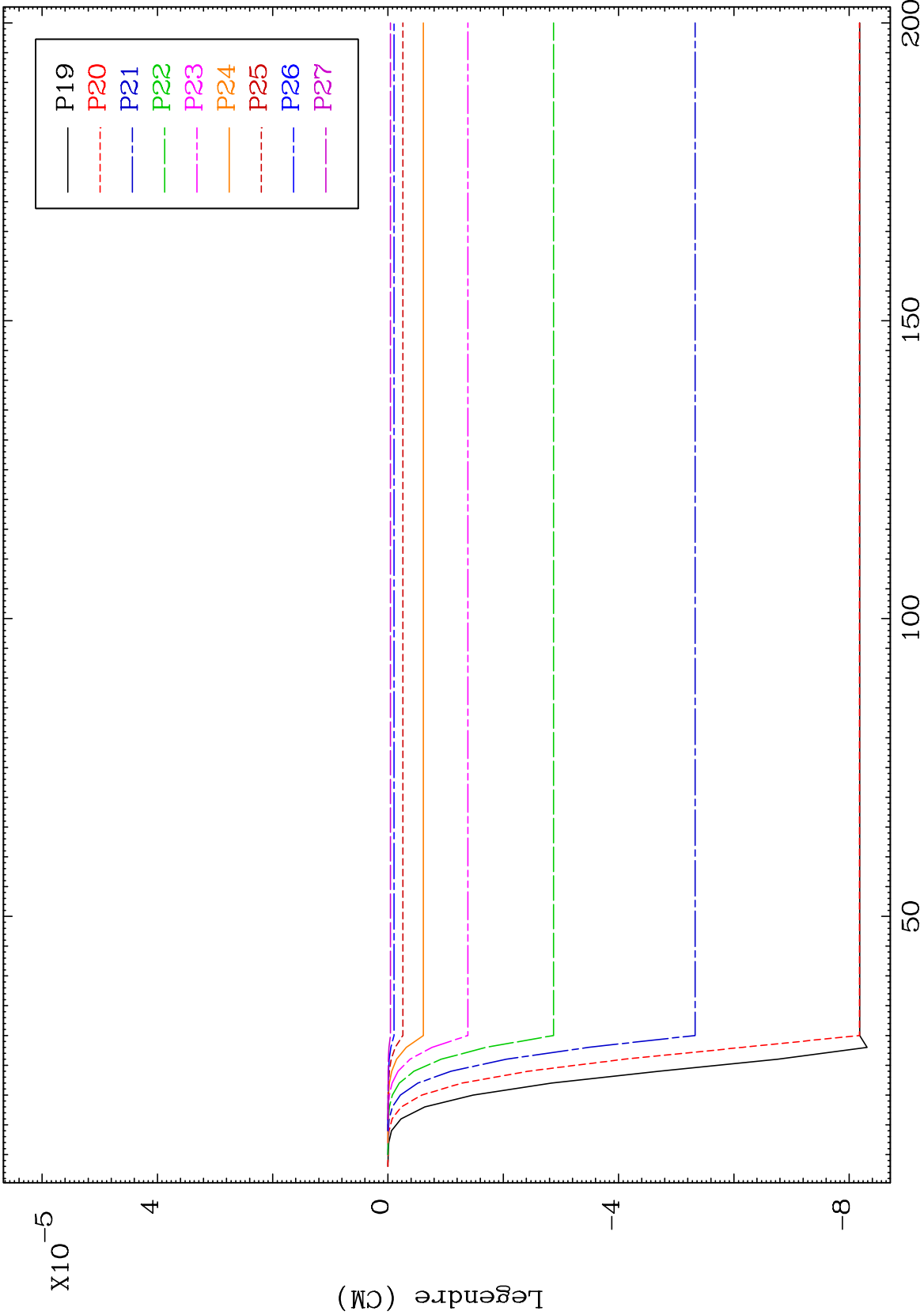
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83

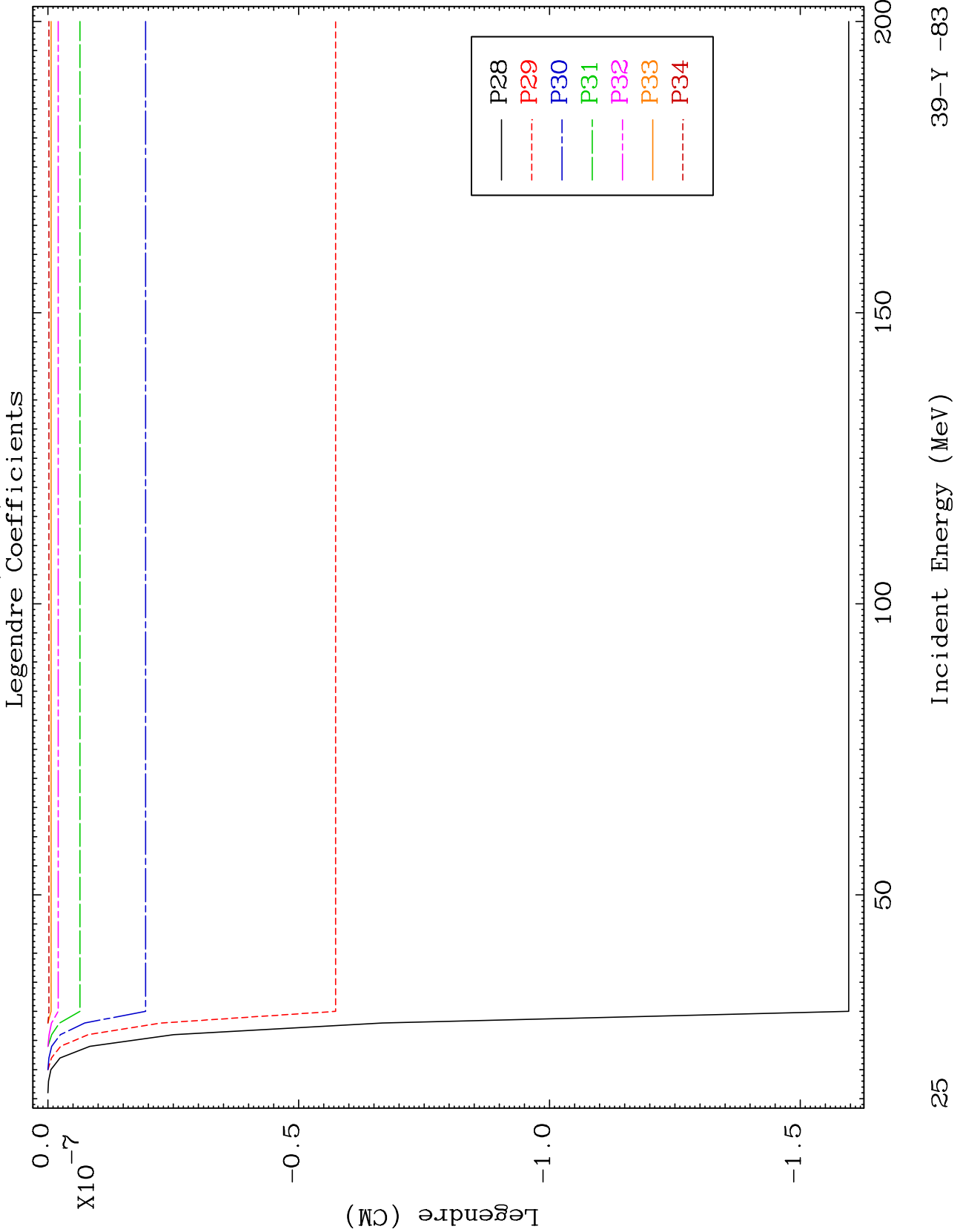


24

Incident Energy (MeV)

39-Y -83

MAT 3907 MT= 52 (n,n') Level 39-Y -83

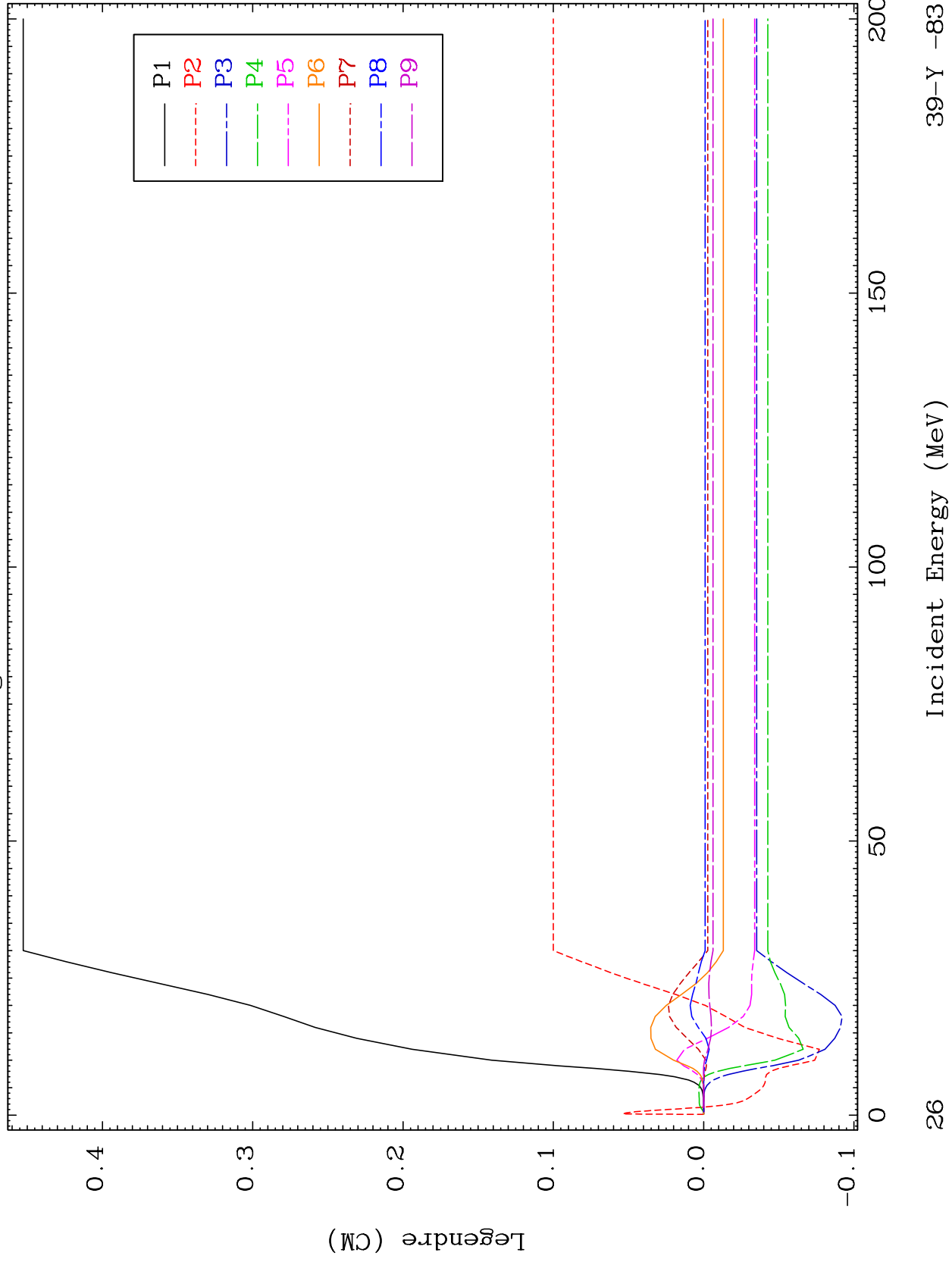


25 50 100 150 200 39-Y -83

MAT 3907

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

39-Y -83



39-Y -83

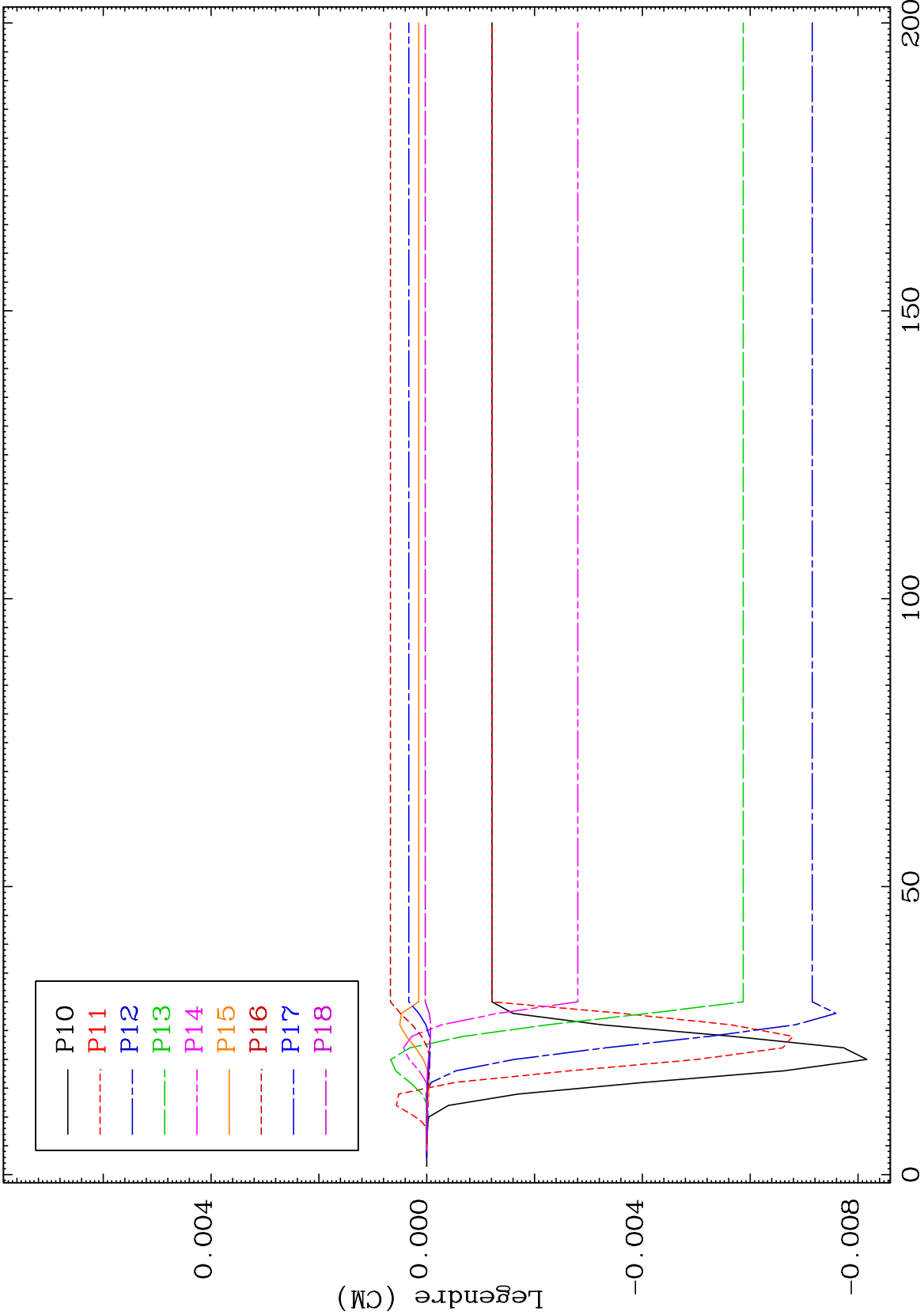
Incident Energy (MeV)

26

MAT 3907

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

39-Y -83



27

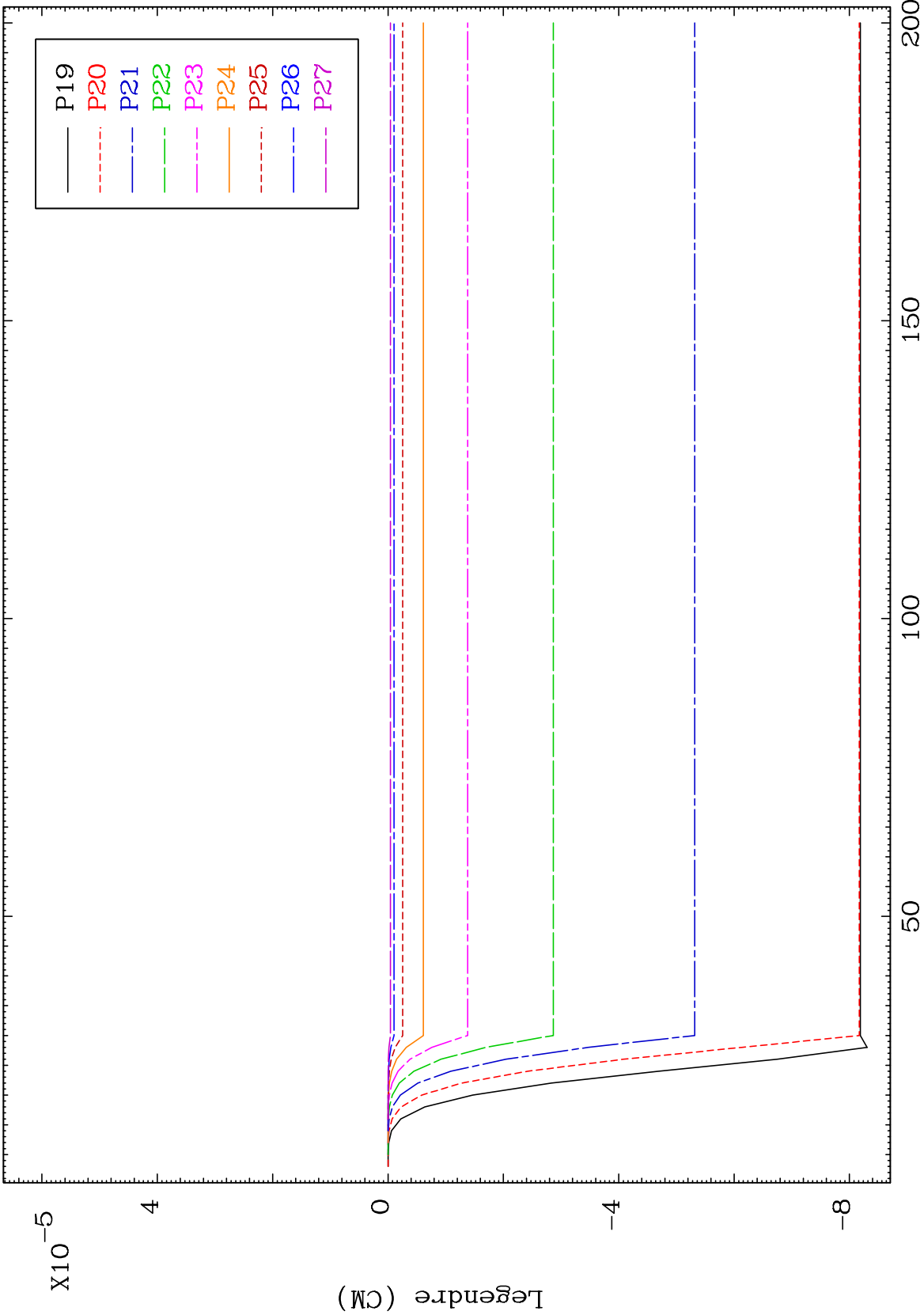
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



28

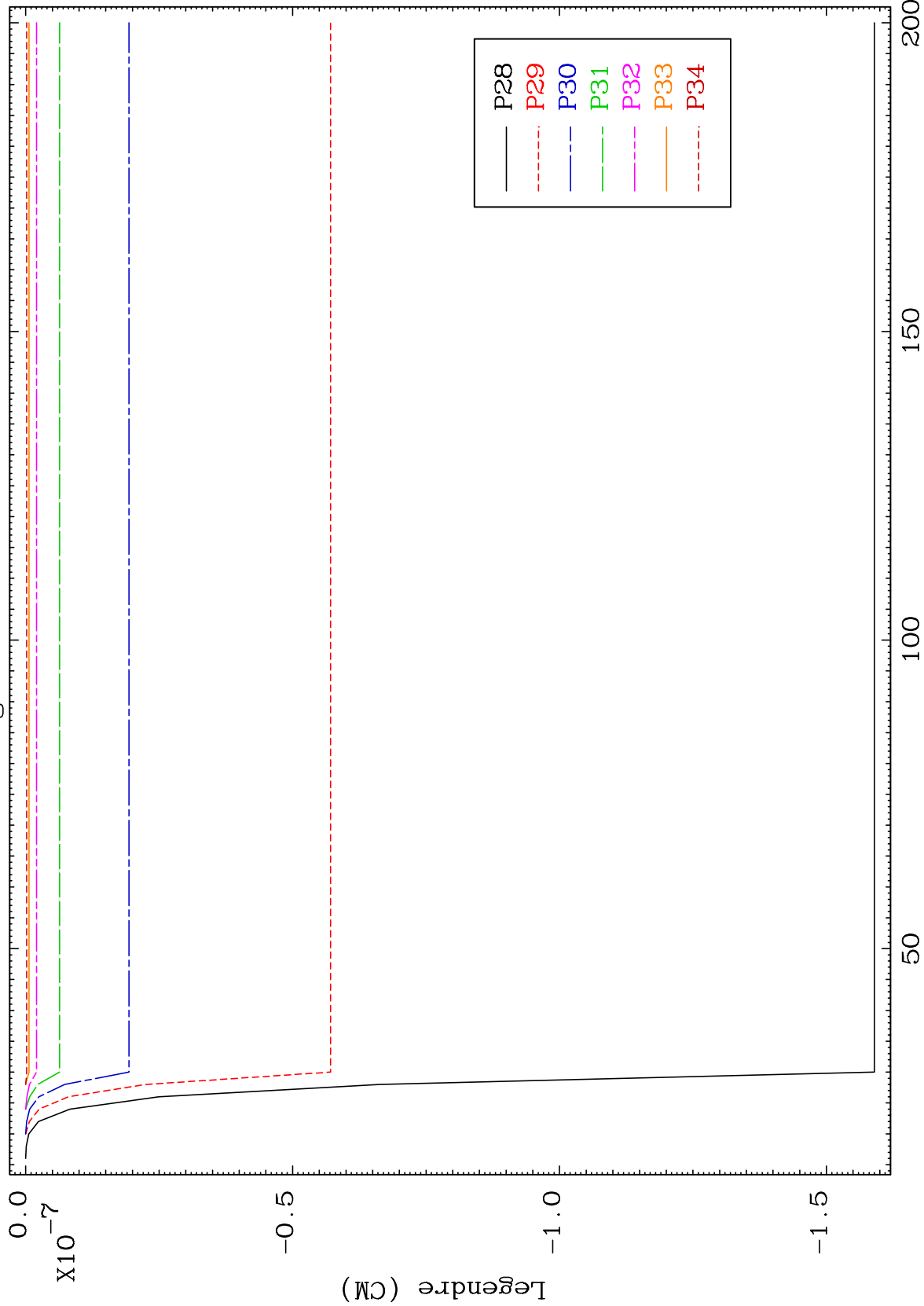
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



29

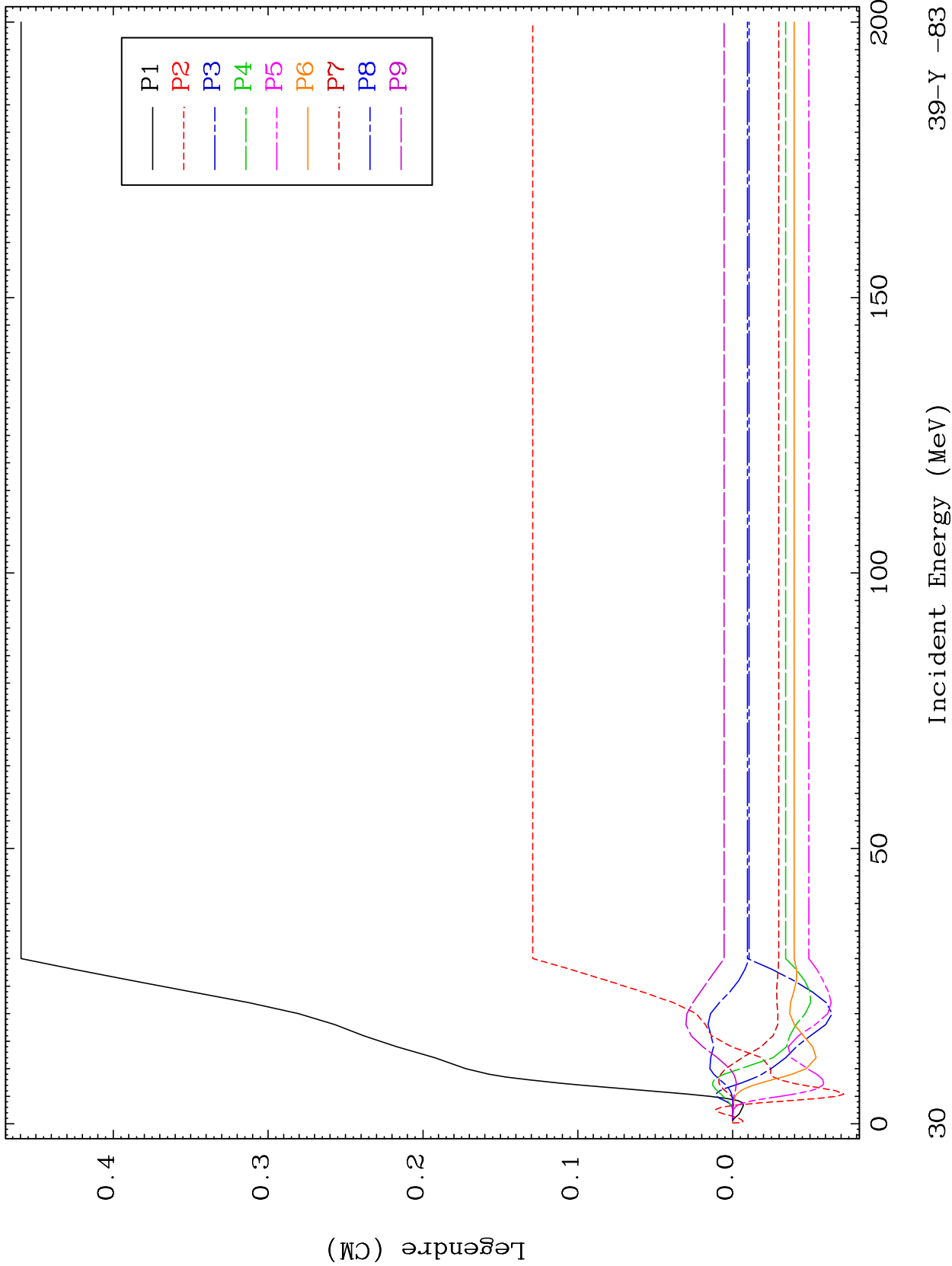
Incident Energy (MeV)

39-Y -83

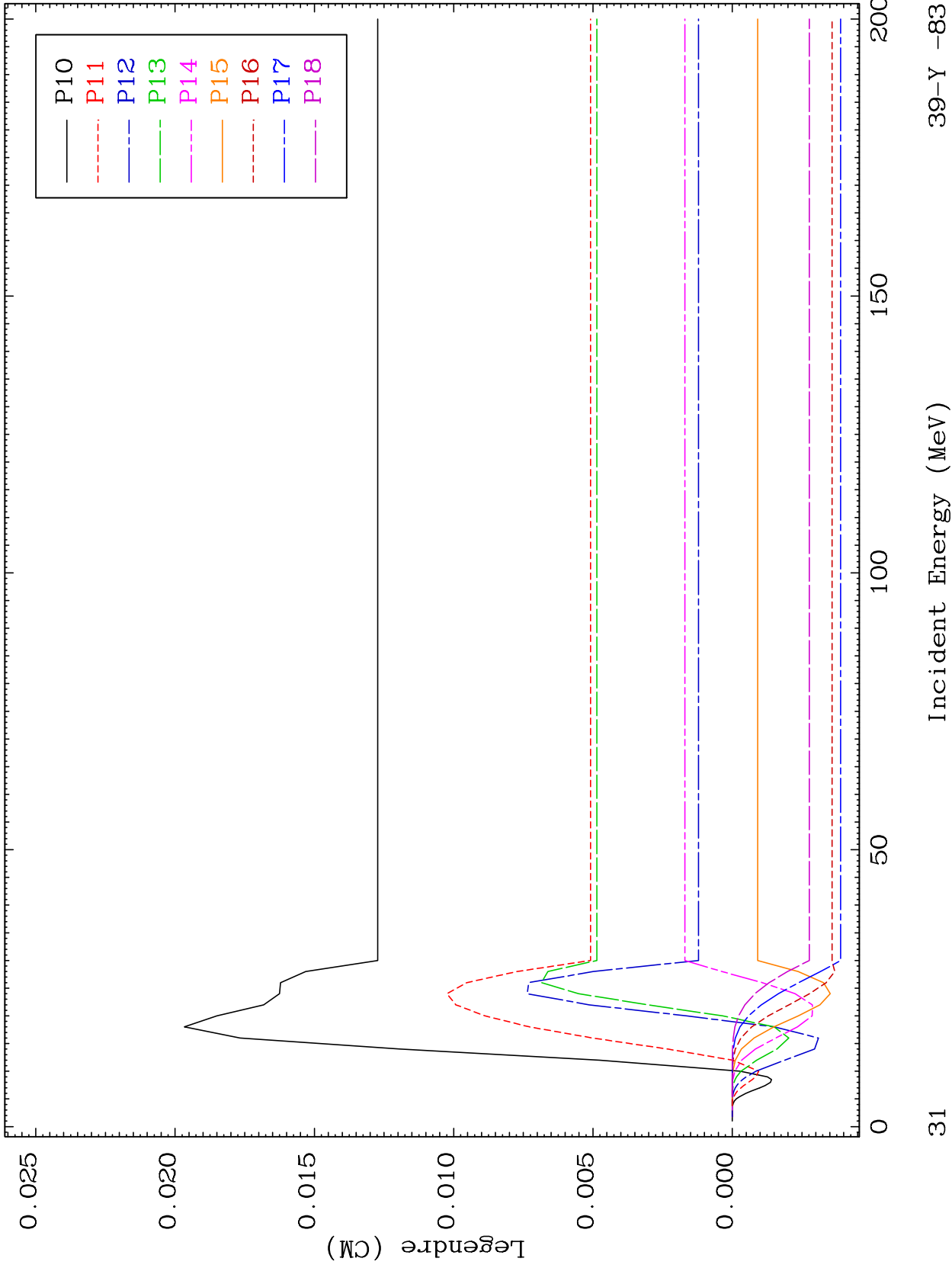
MAT 3907

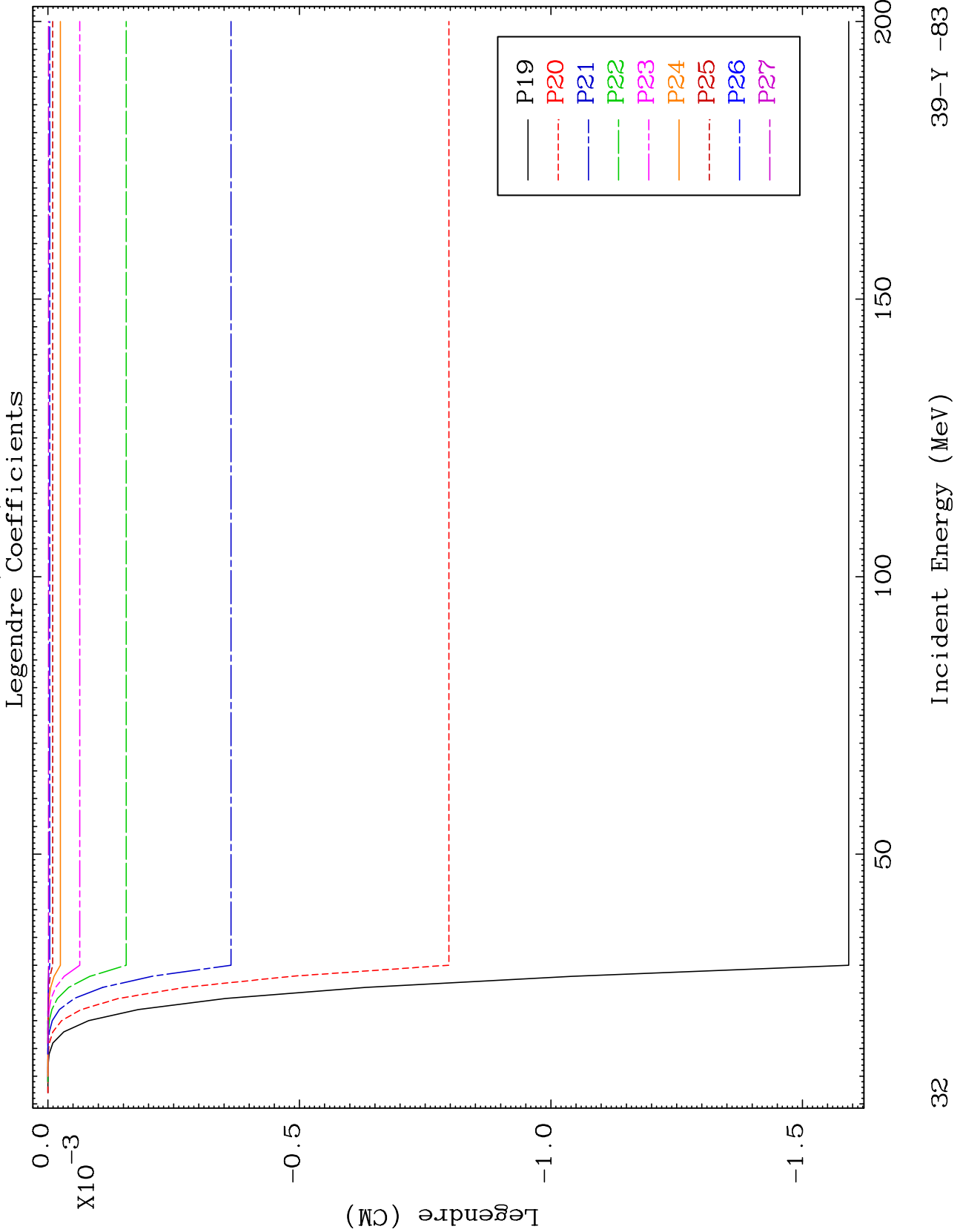
MT= 54 (n,n') Level
Legendre Coefficients

39-Y -83



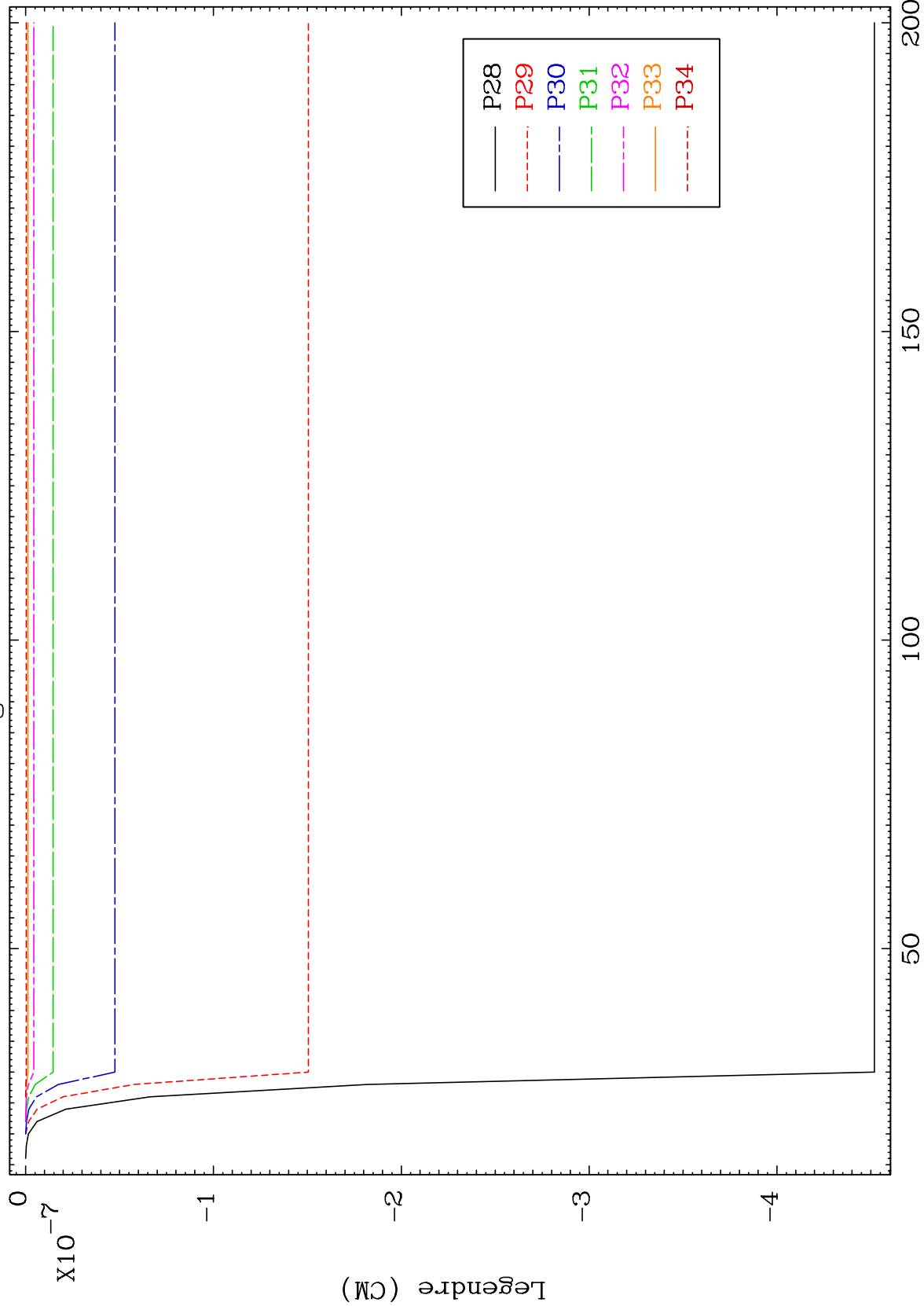
39-Y -83





MAT 3907 MT= 54 (n,n') Level 39-Y -83

Legendre Coefficients

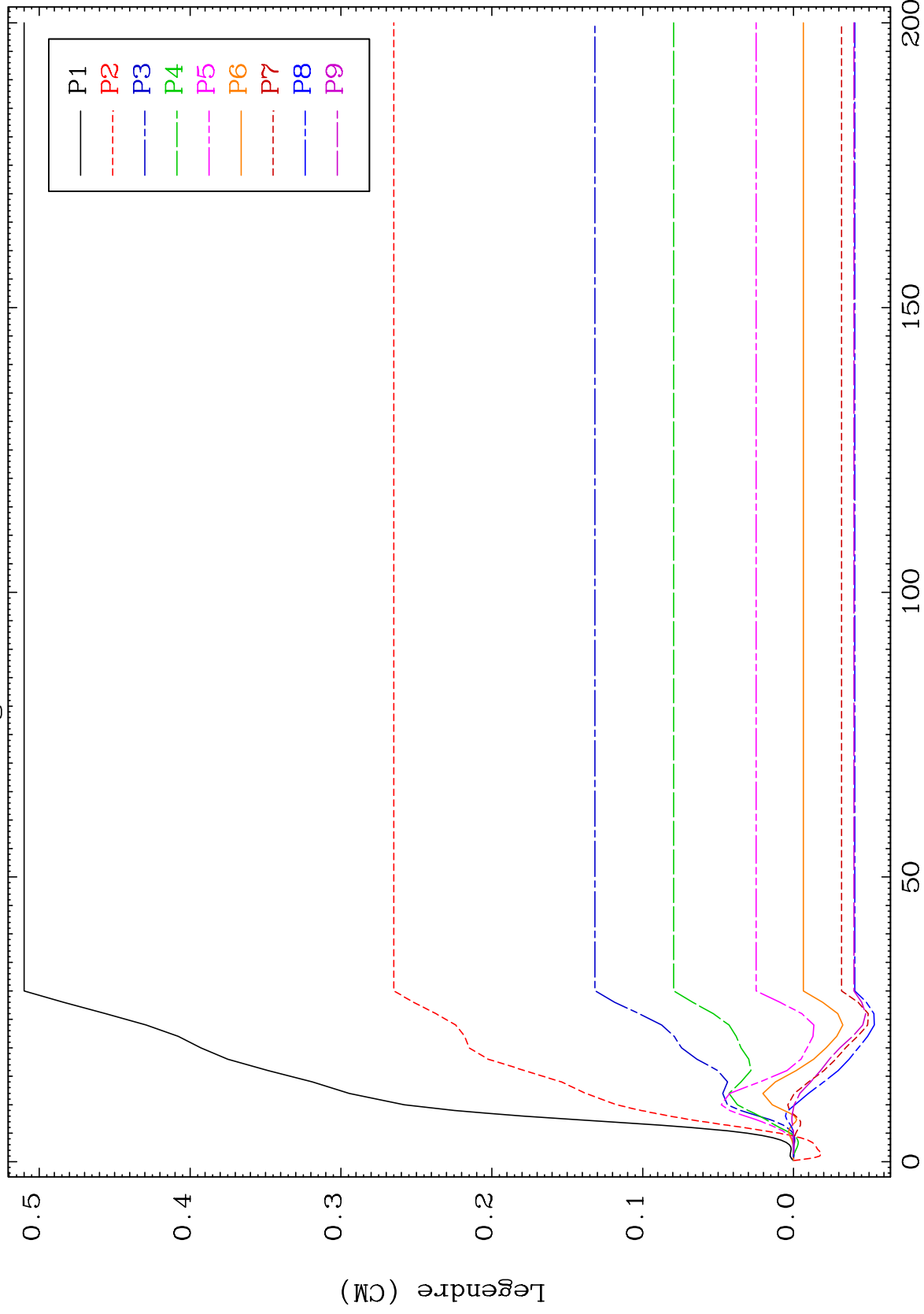


33 Incident Energy (MeV) 39-Y -83

MAT 3907

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

39-Y -83



34

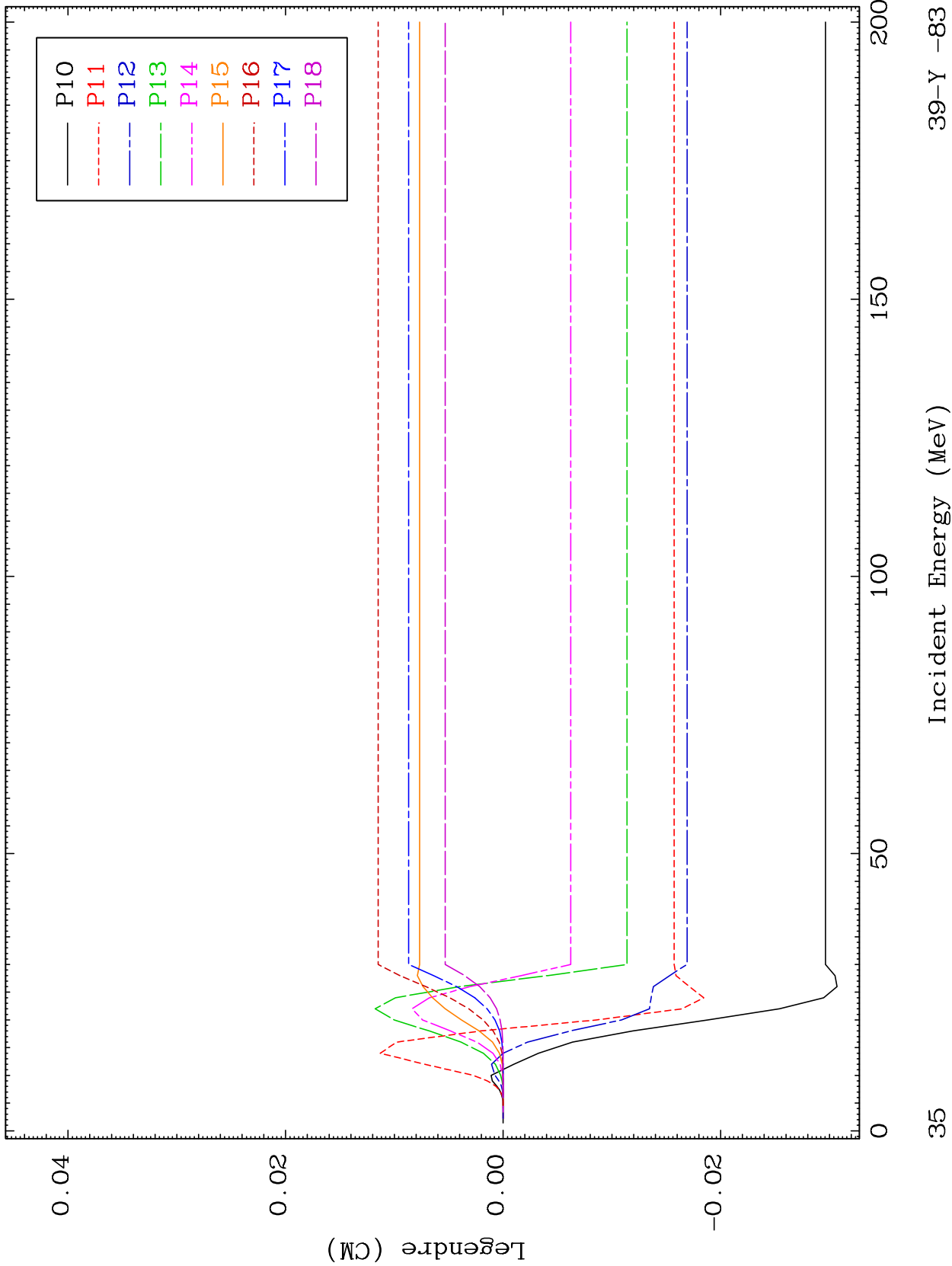
Incident Energy (MeV)

39-Y -83

MAT 3907

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

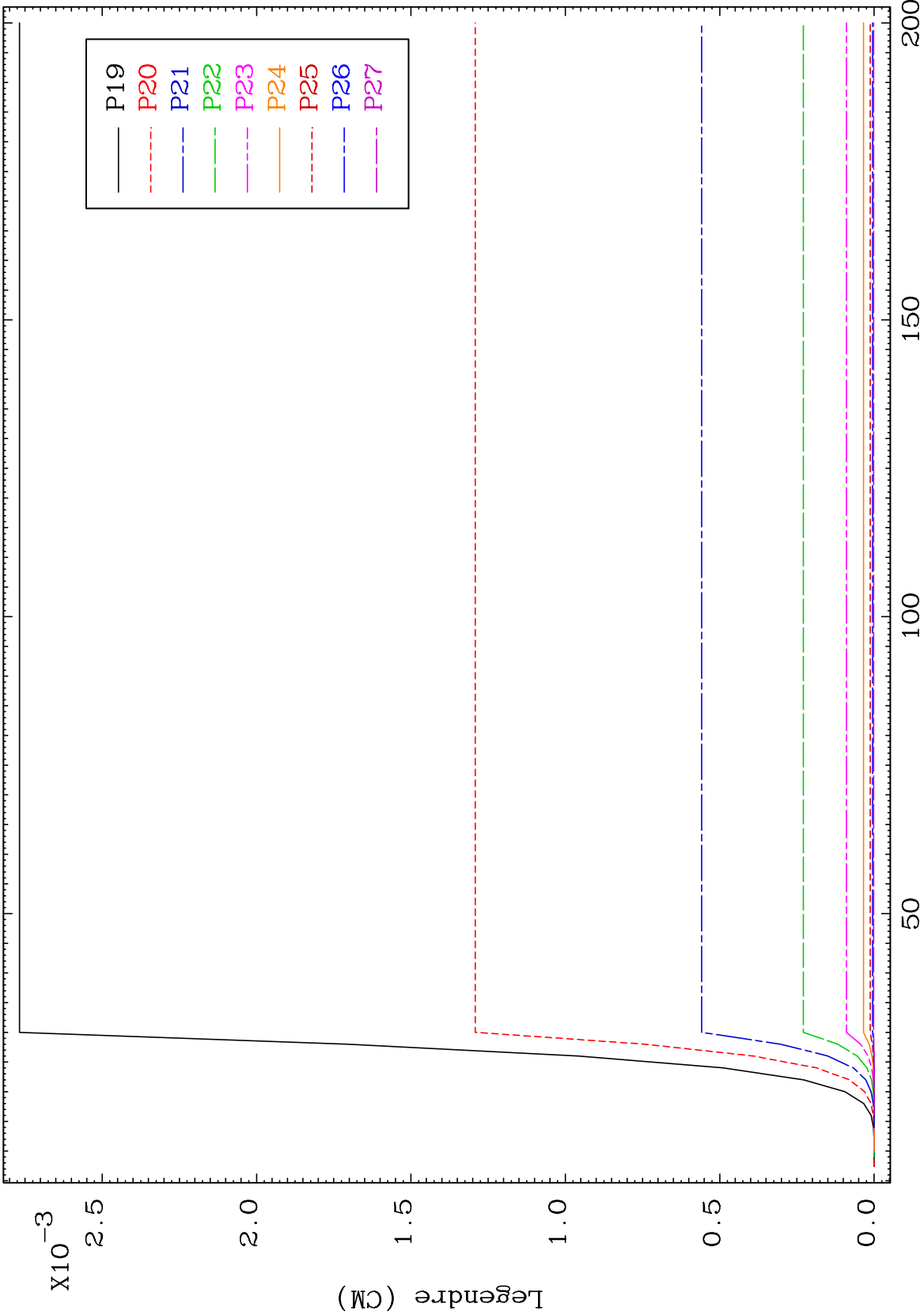
39-Y -83



39-Y -83

Incident Energy (MeV)

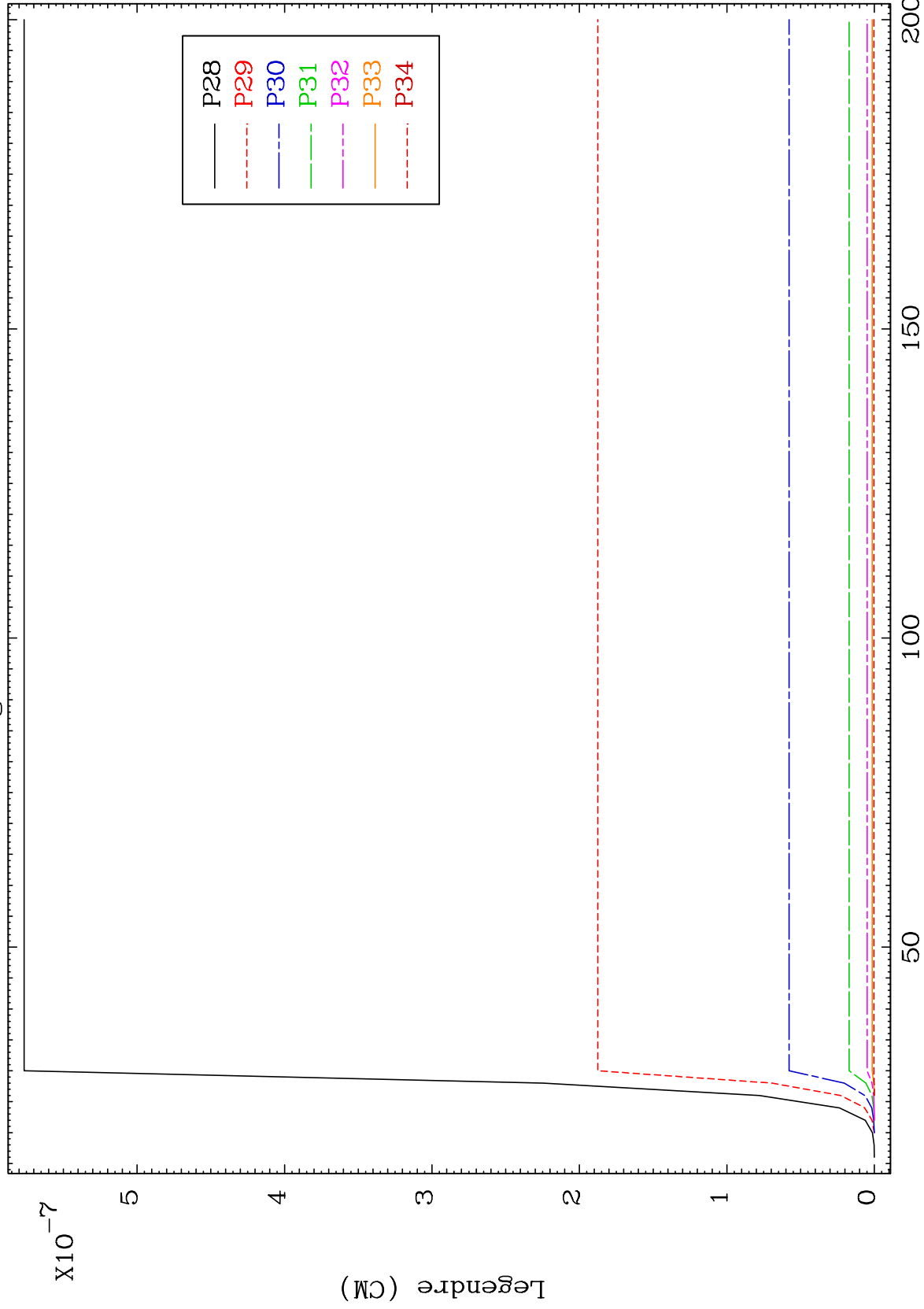
35



MAT 3907

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

39-Y -83



37

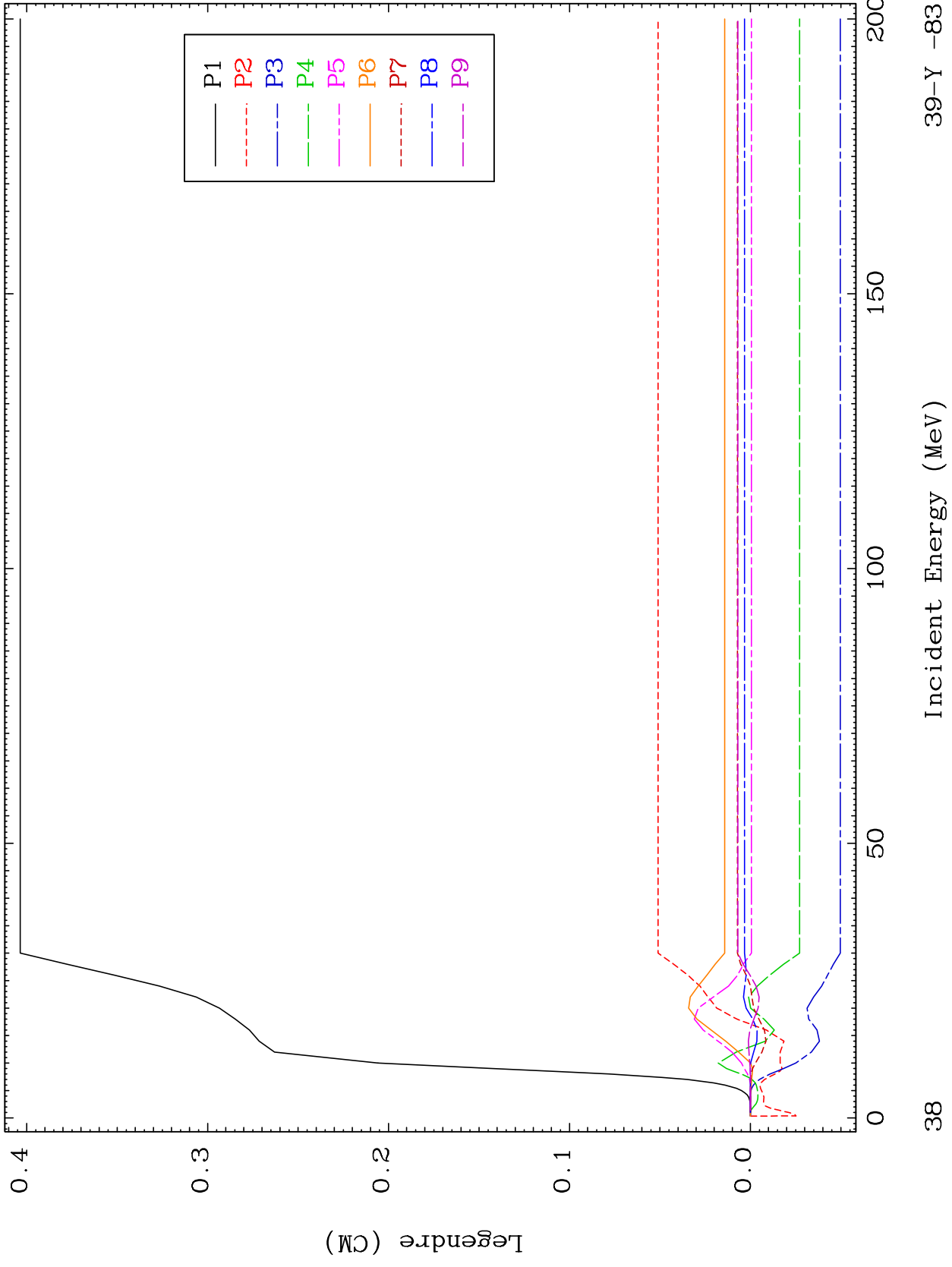
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



38

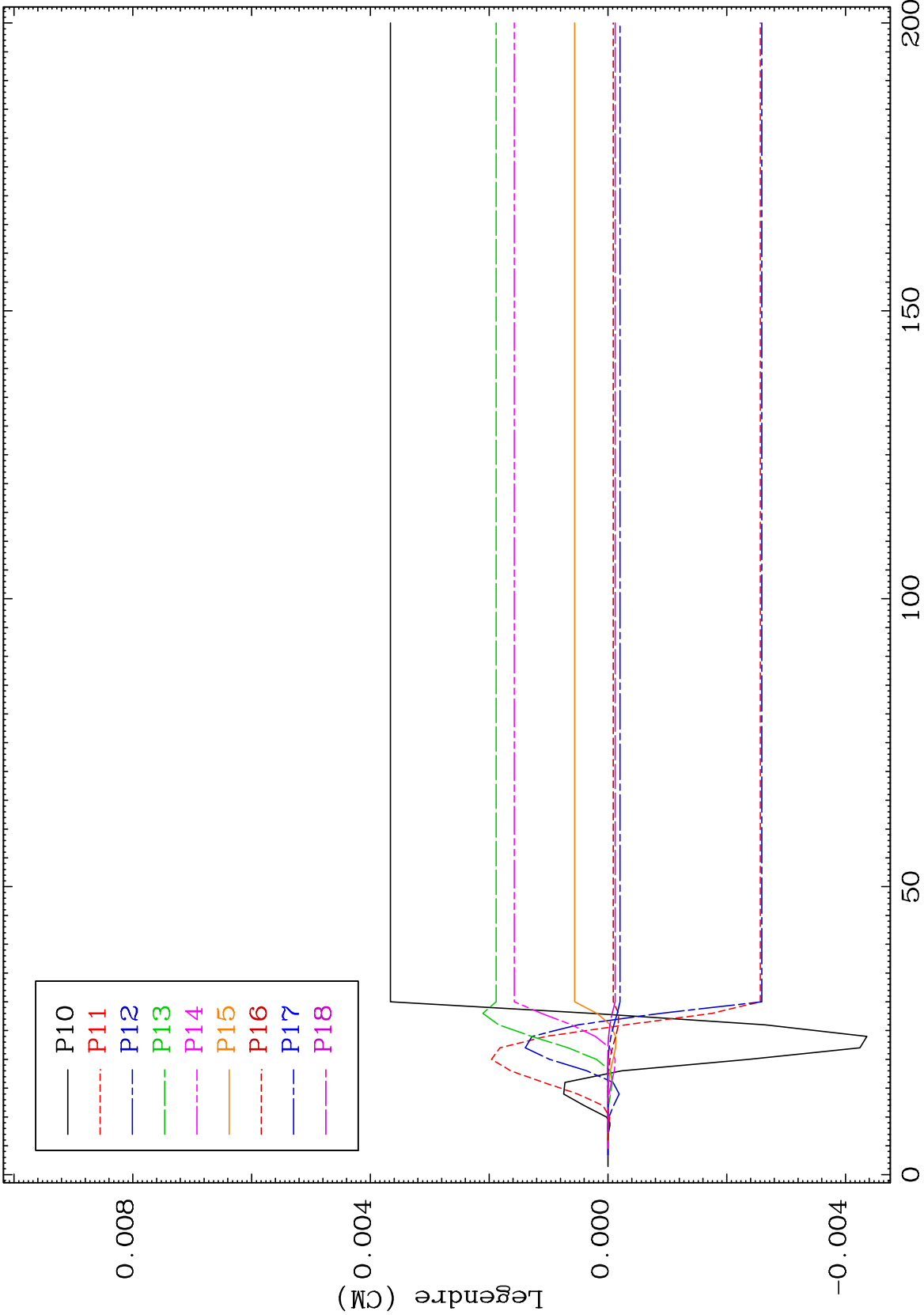
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



39

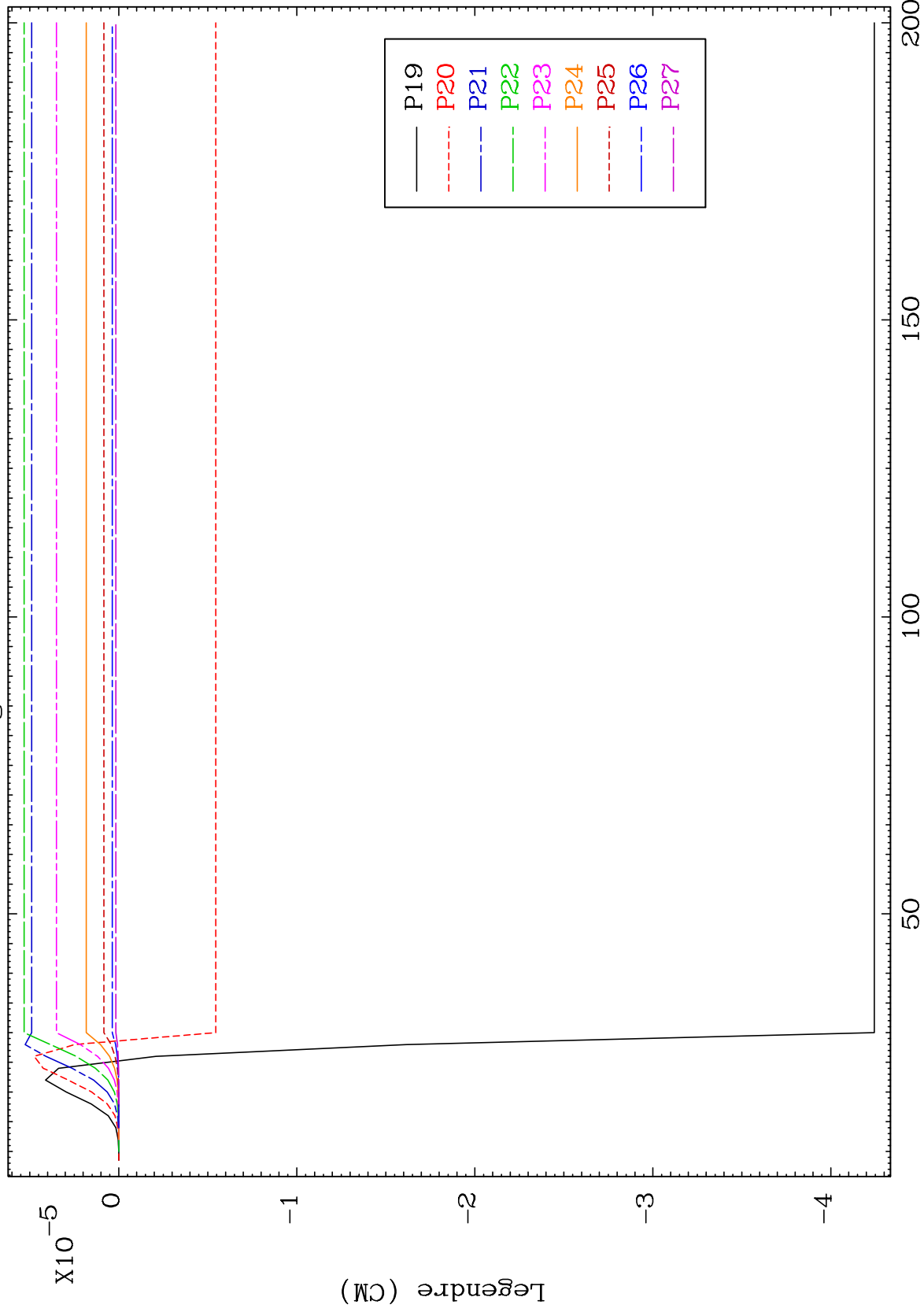
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



40

Incident Energy (MeV)

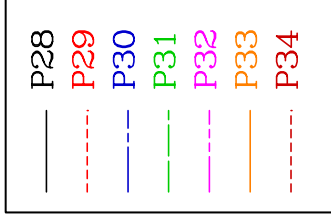
39-Y -83

MAT 3907

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

39-Y -83

$\times 10^{-8}$



Legendre (CM)

200

150

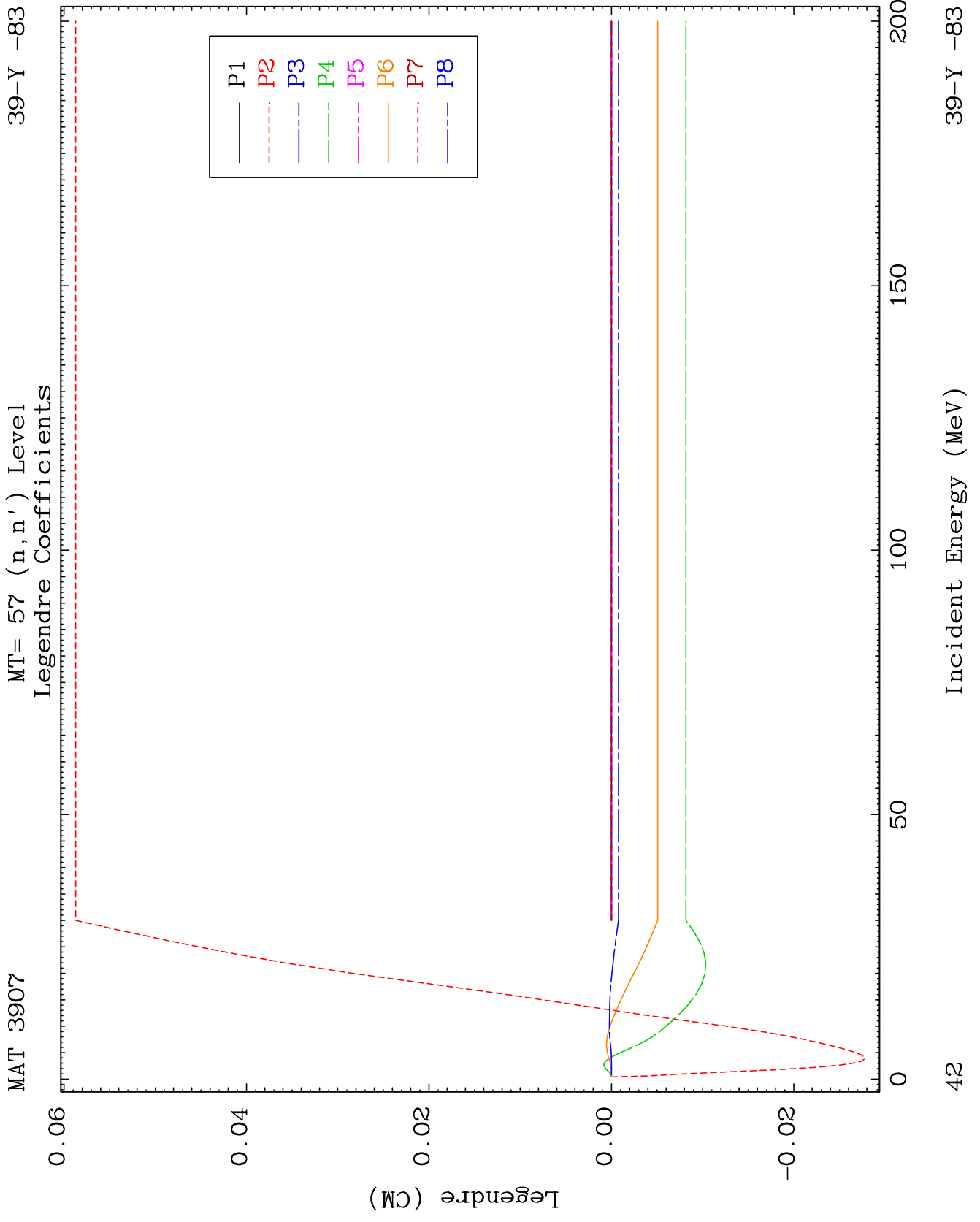
100

50

41

Incident Energy (MeV)

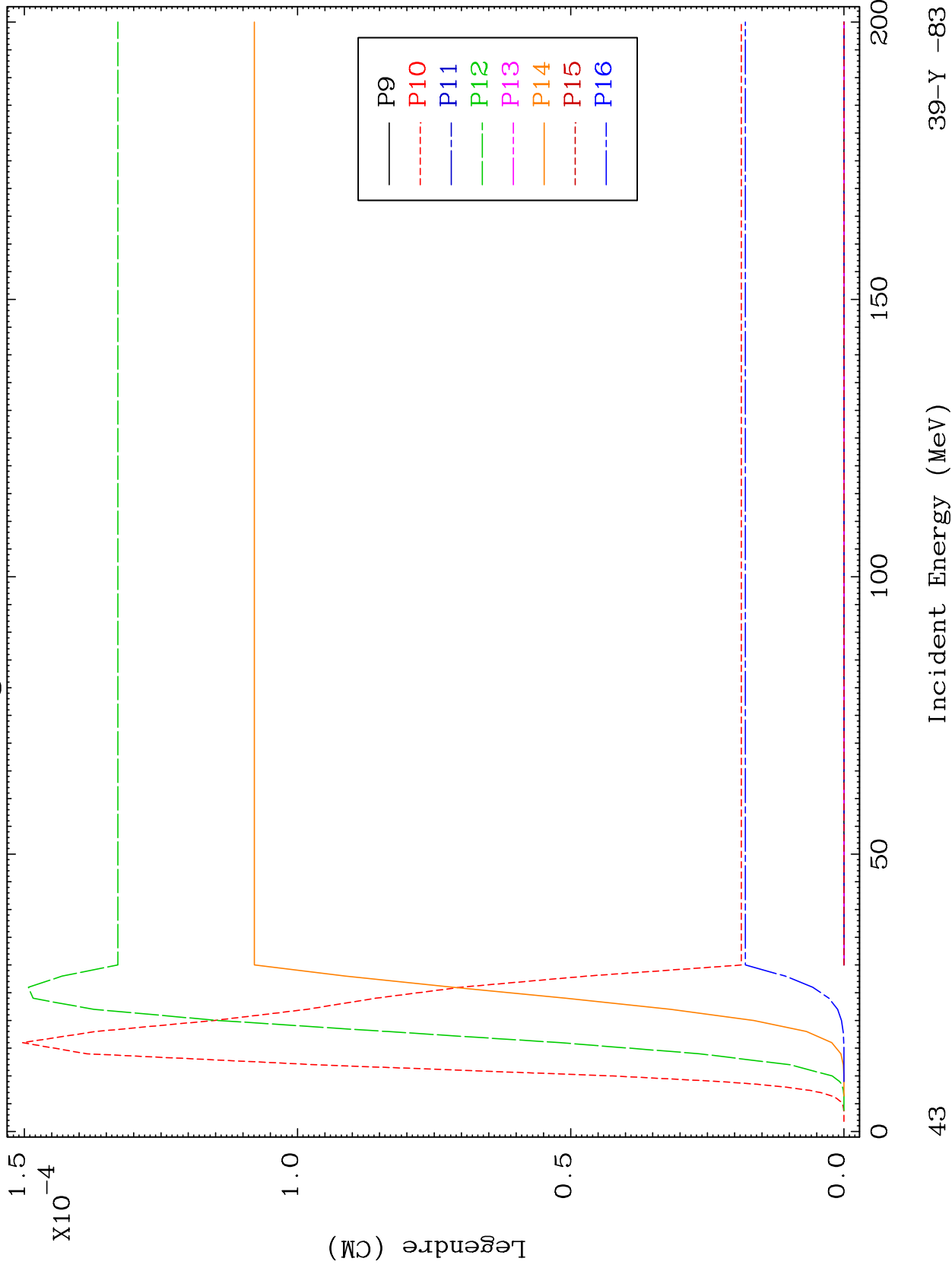
39-Y -83



MAT 3907

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

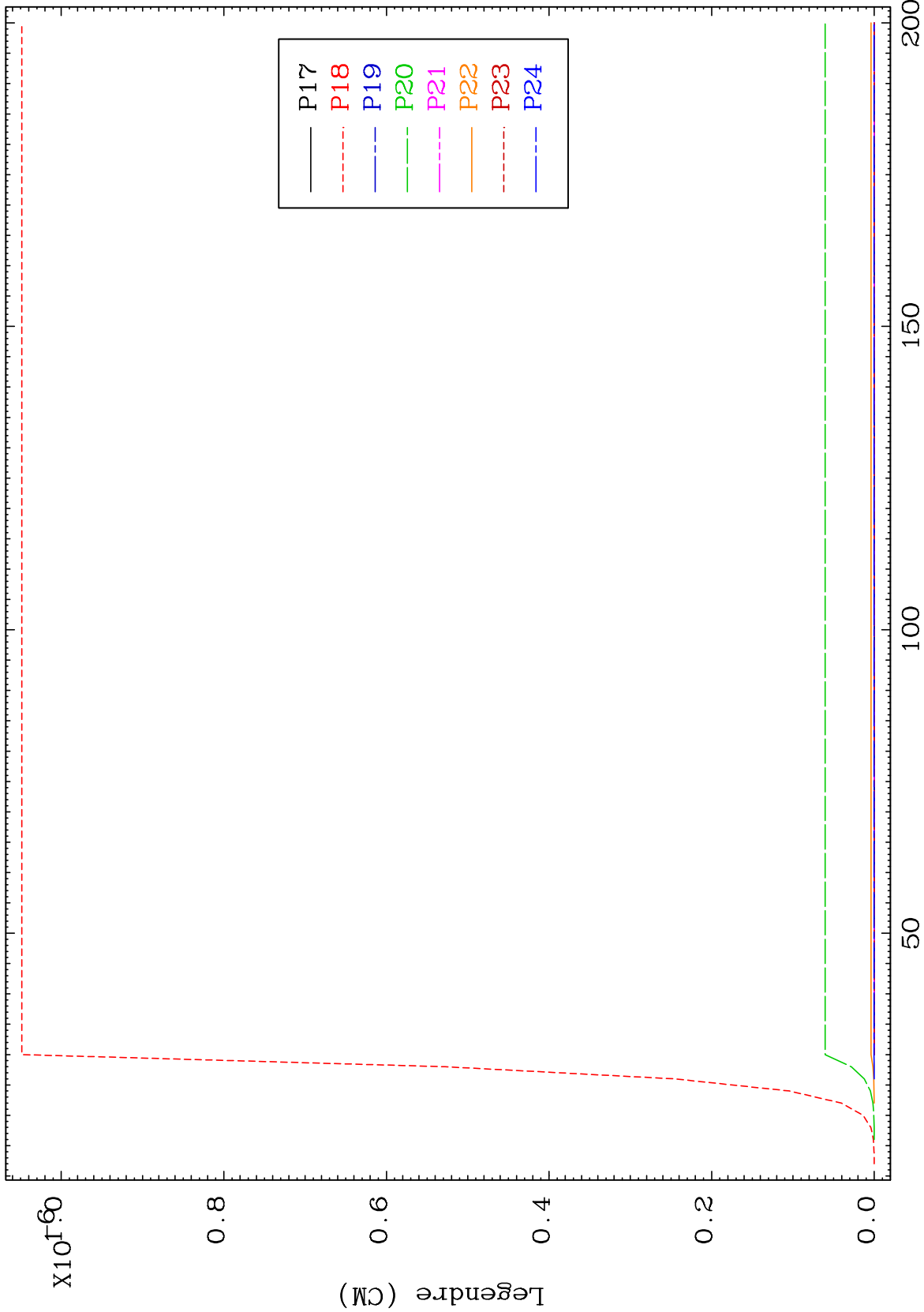
39-Y -83



MAT 3907

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

39-Y -83



44

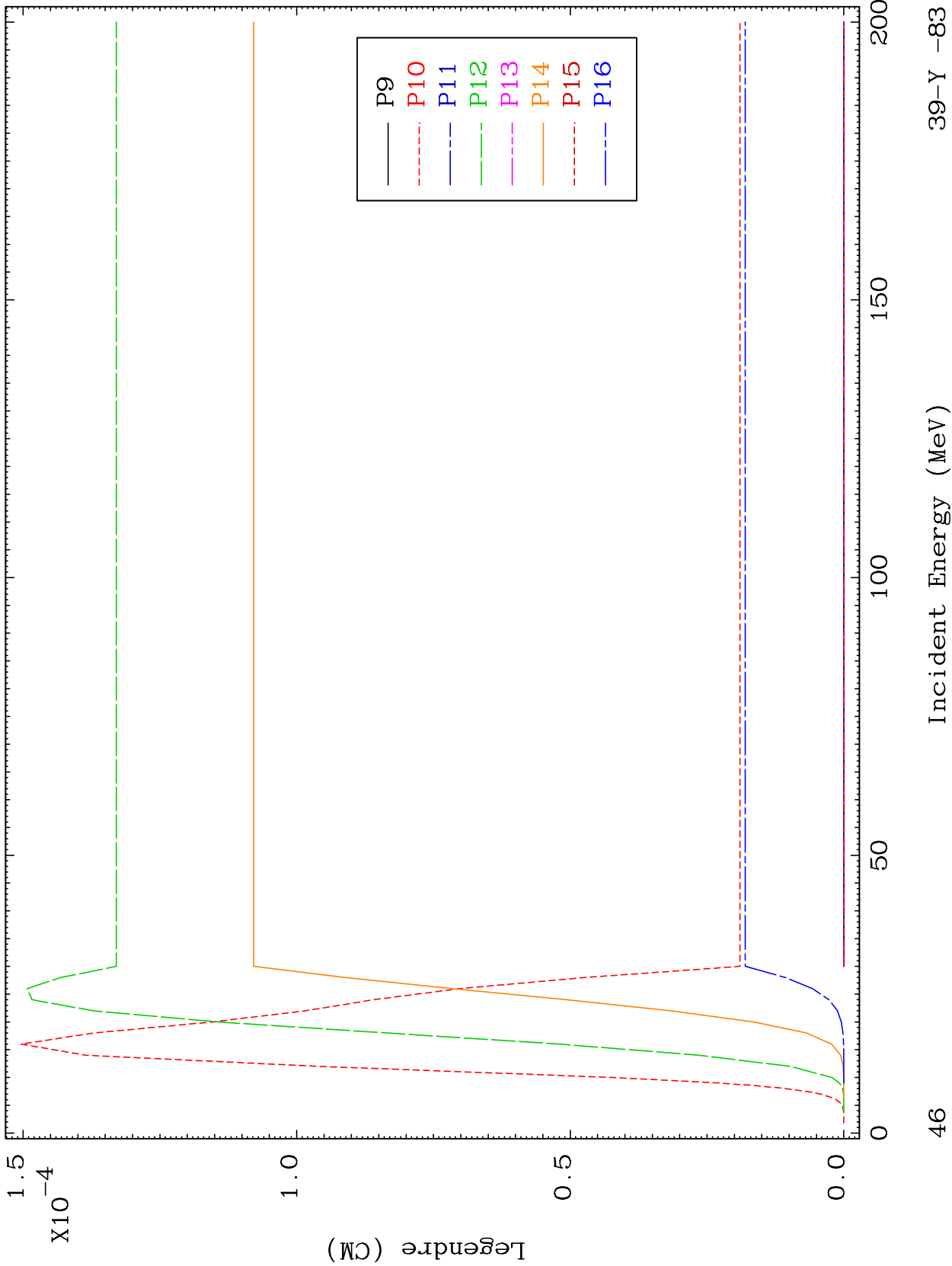
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83

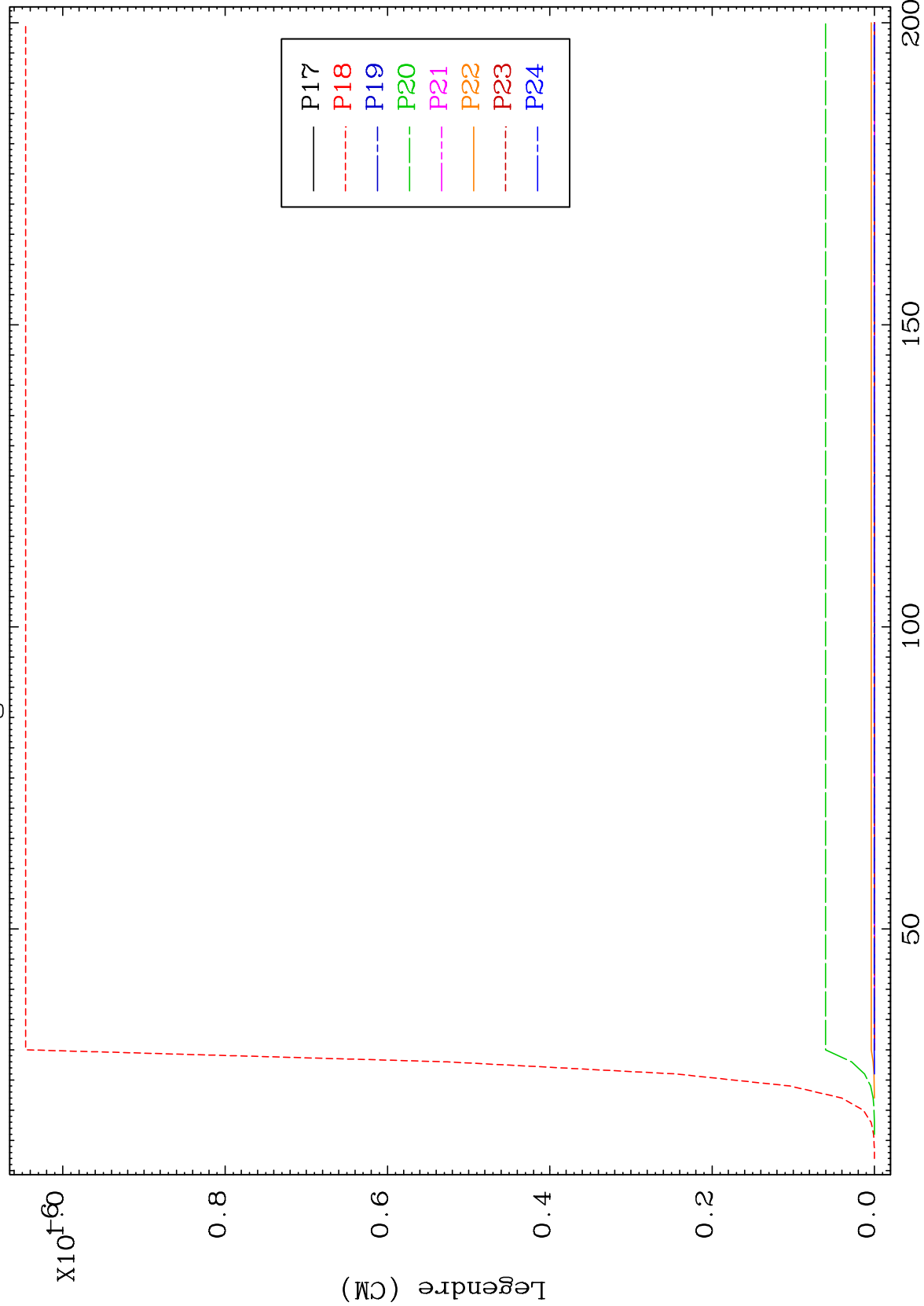


39-Y -83

MAT 3907

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

39-Y -83



47

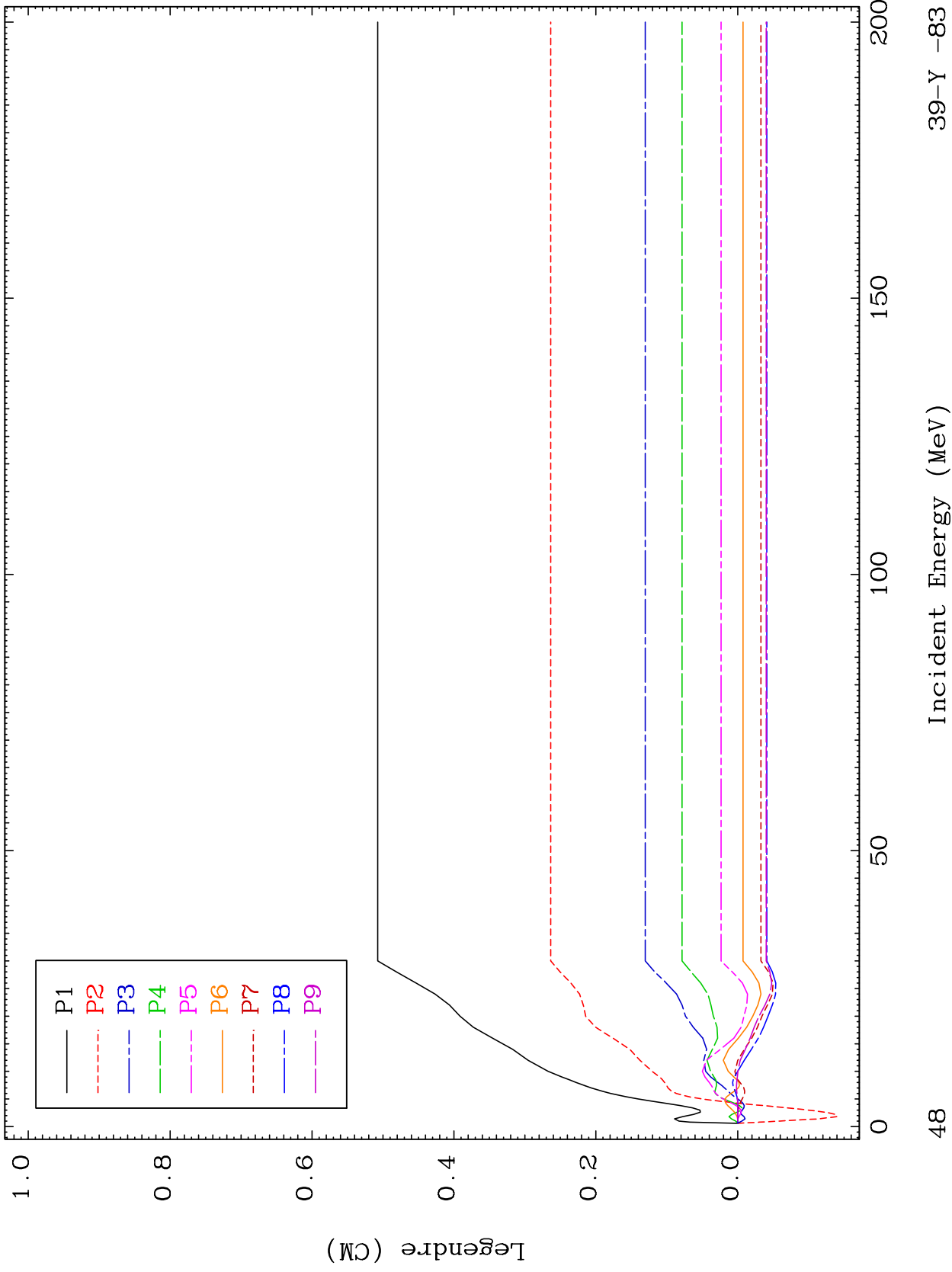
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83

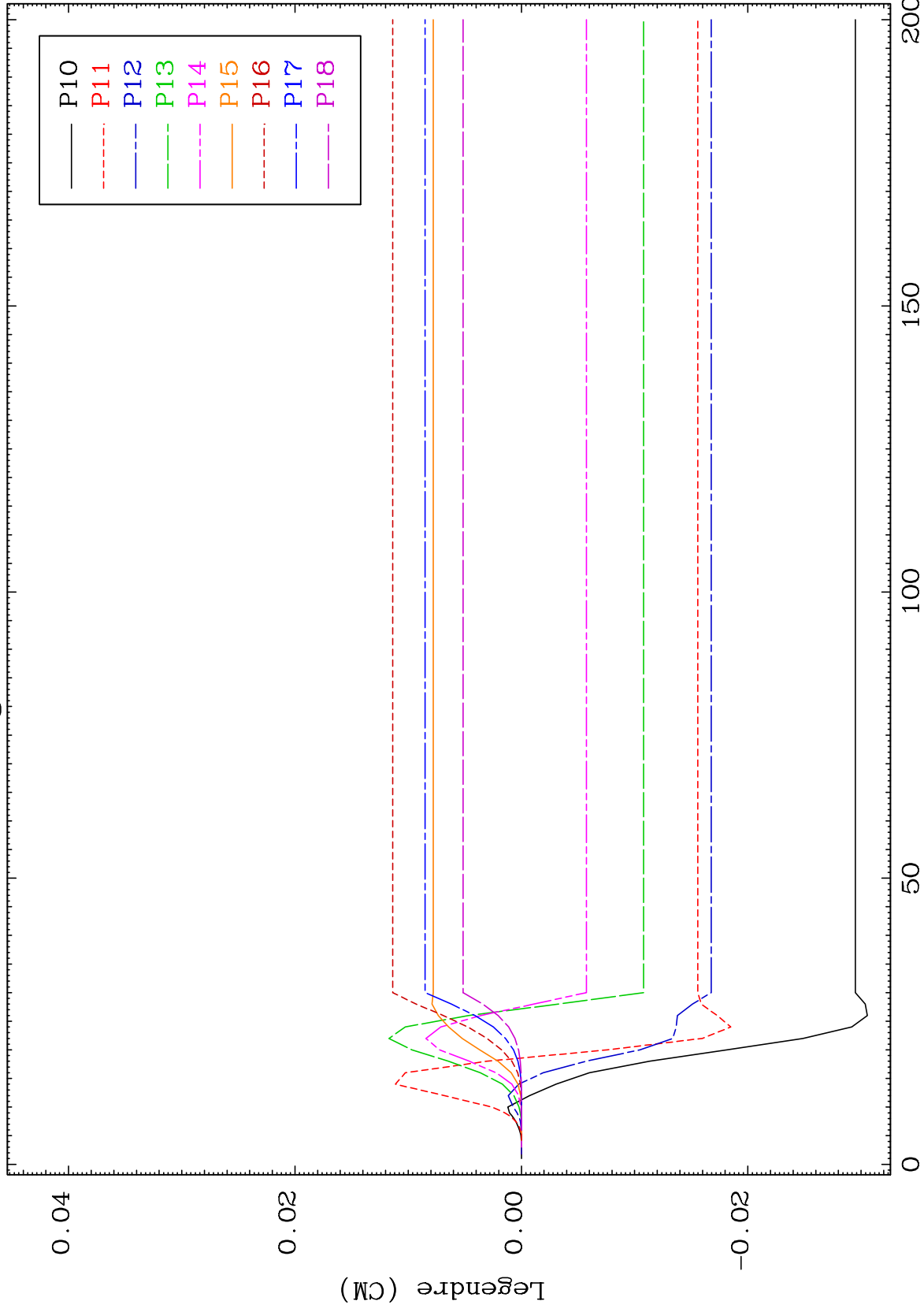


39-Y -83

MAT 3907

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

39-Y -83



49

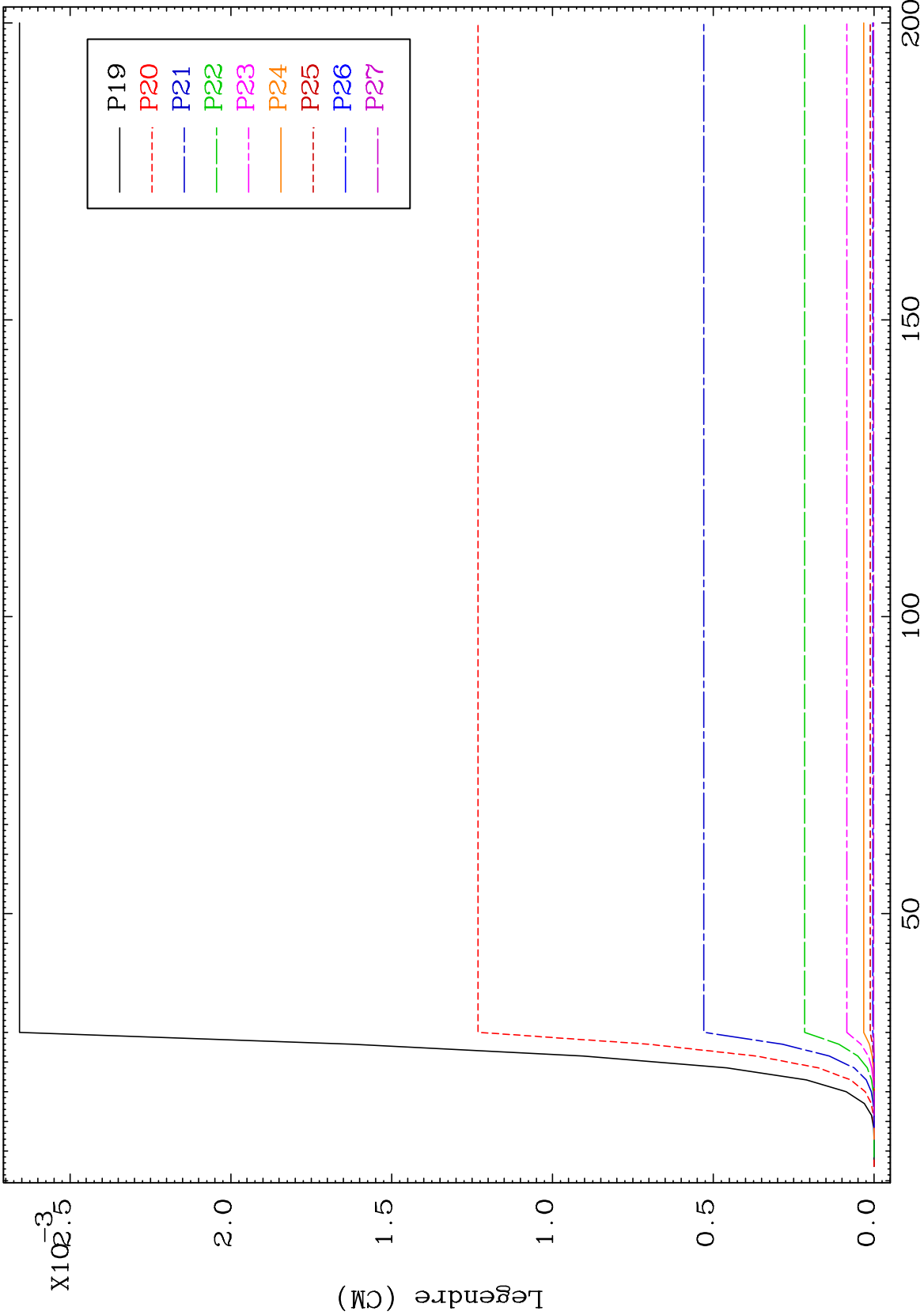
Incident Energy (MeV)

39-Y -83

MAT 3907

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

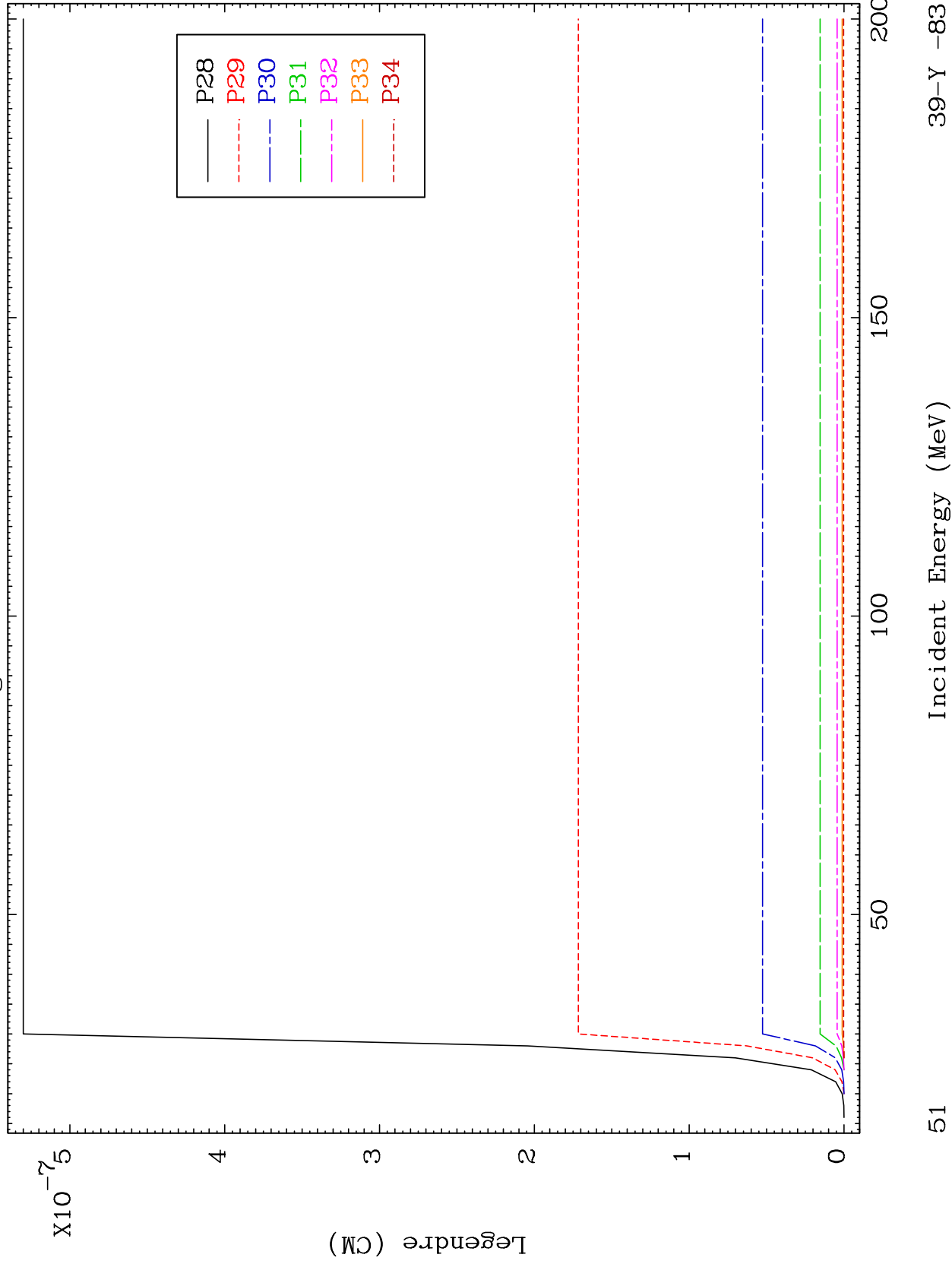
39-Y -83



50

Incident Energy (MeV)

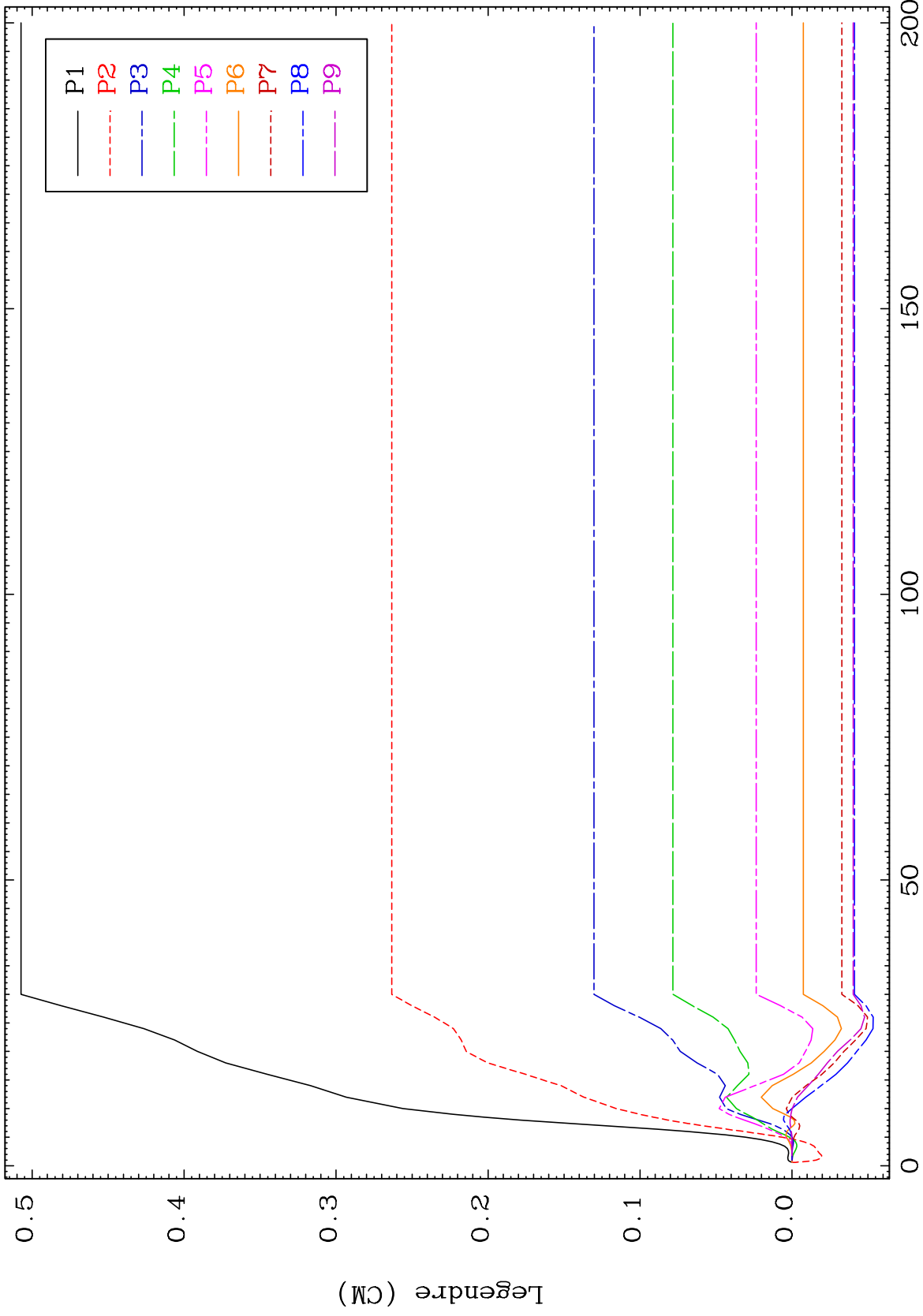
39-Y -83



MAT 3907

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

39-Y -83



52

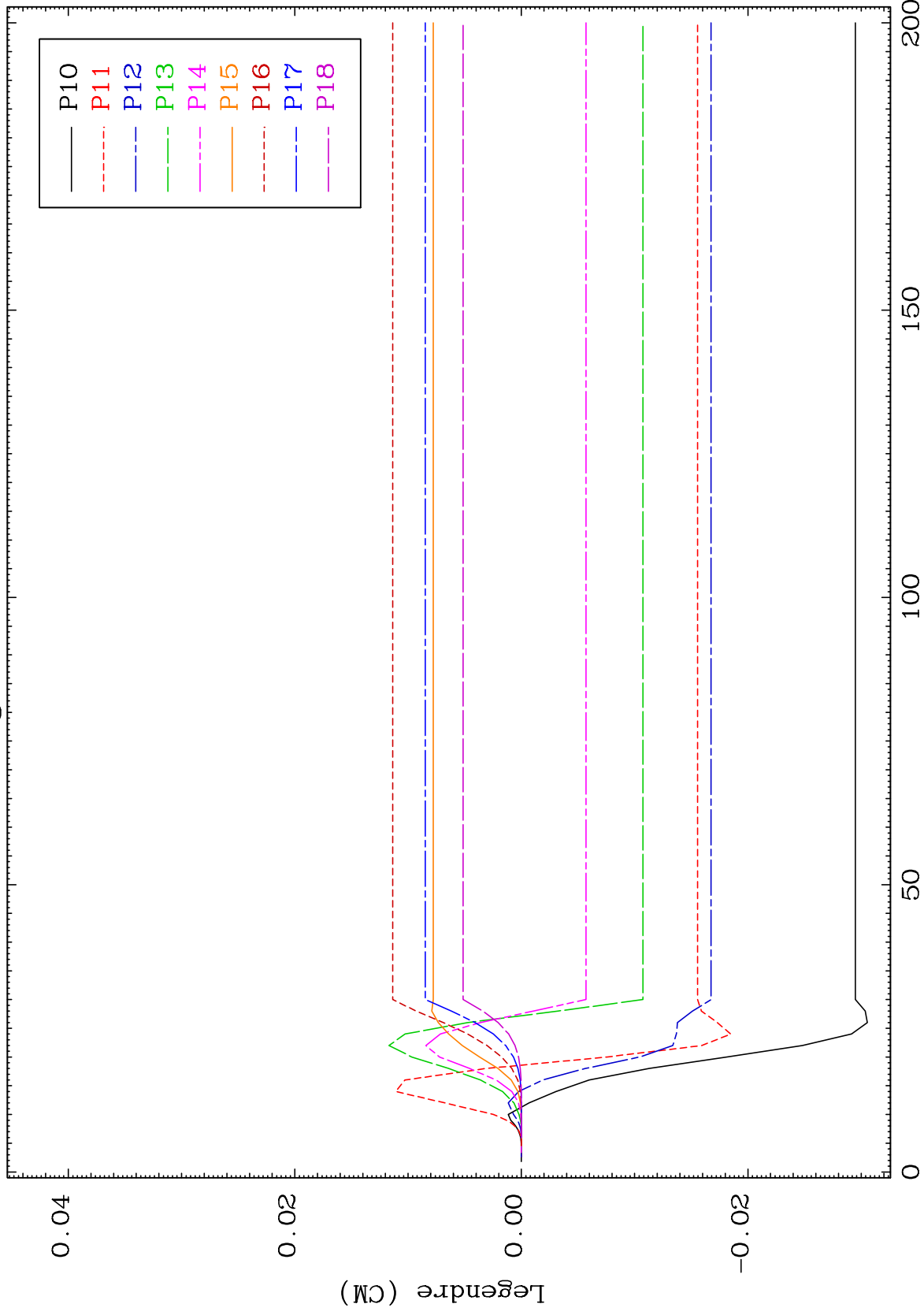
Incident Energy (MeV)

39-Y -83

MAT 3907

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

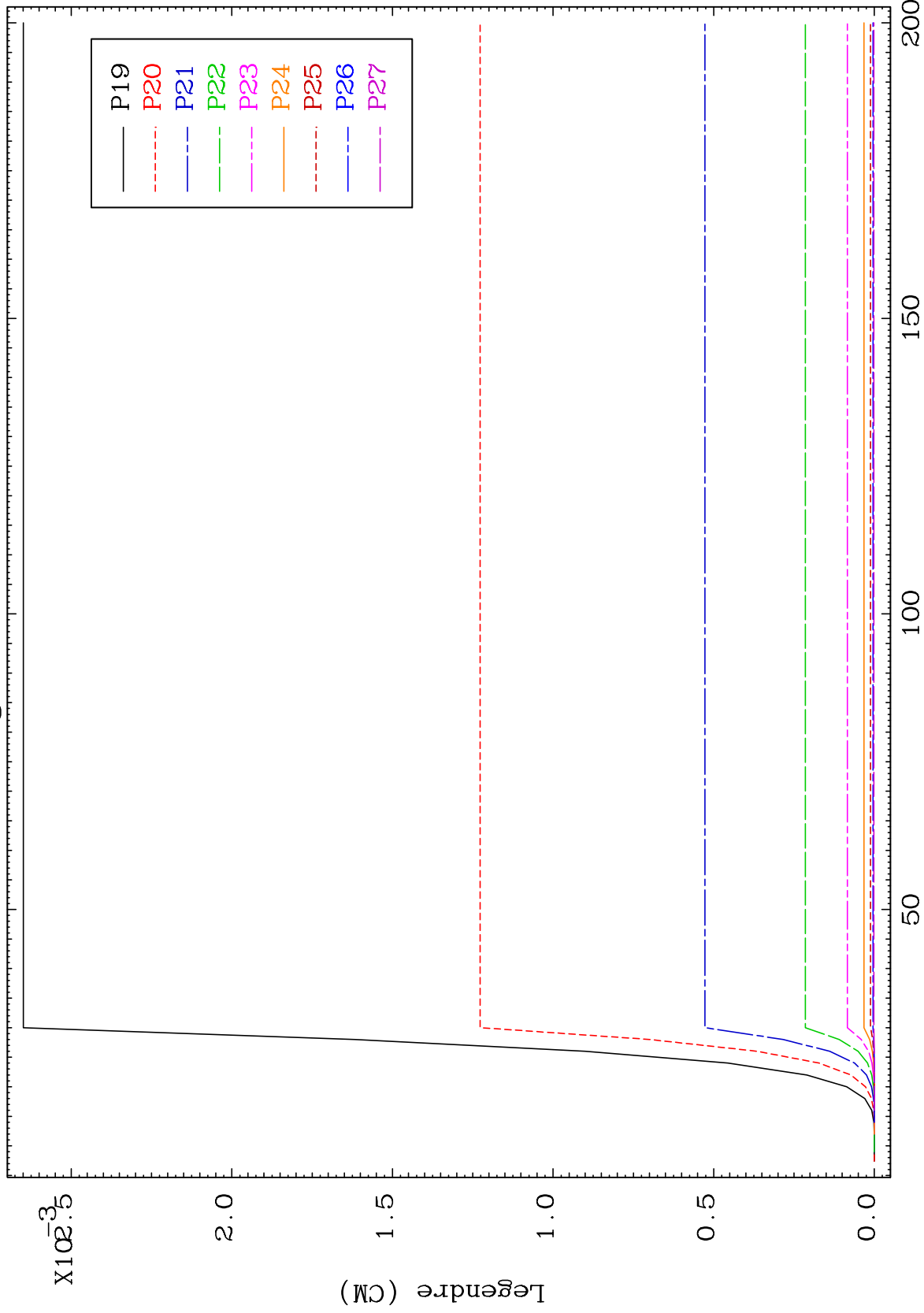
39-Y -83



53

Incident Energy (MeV)

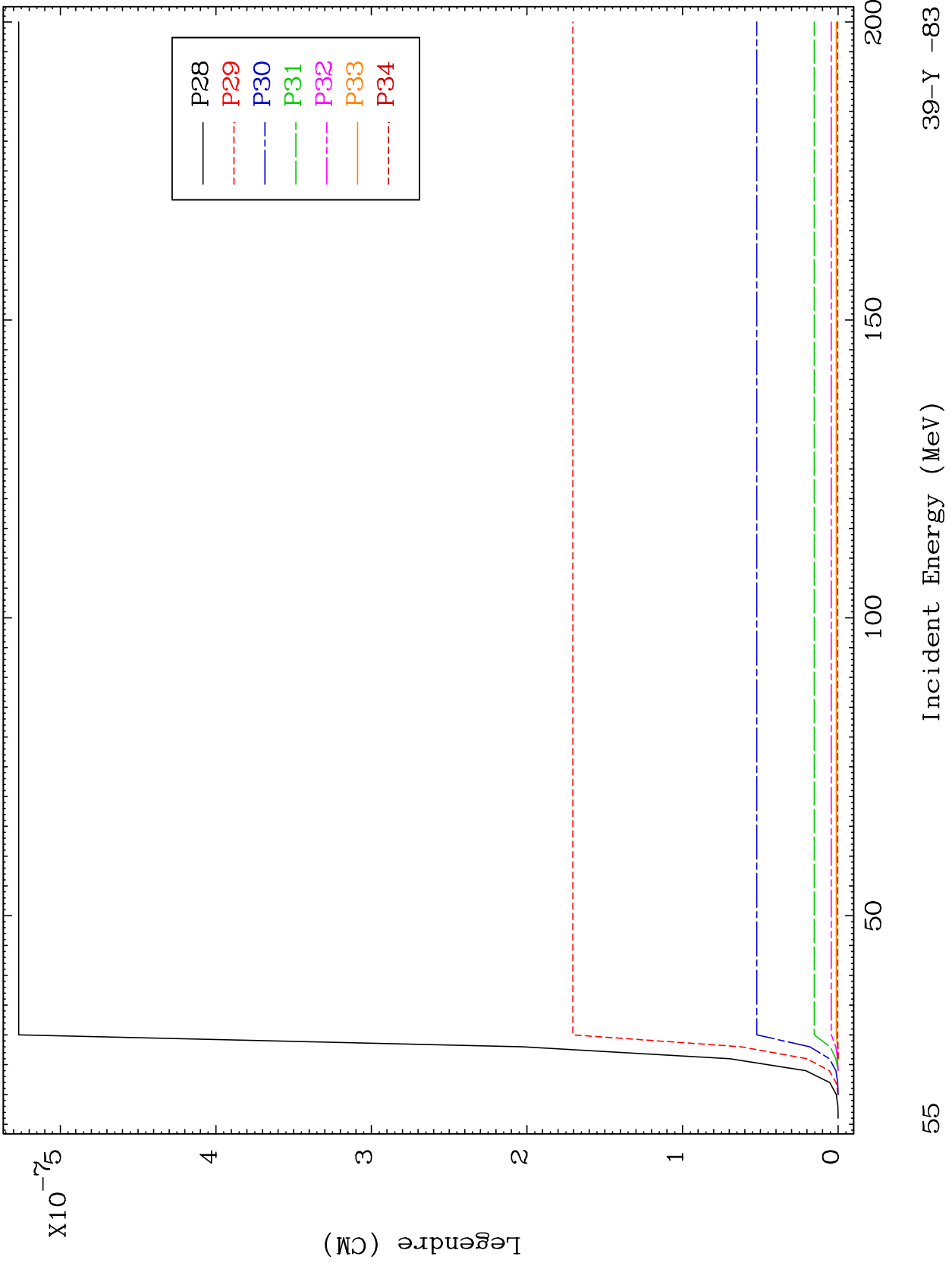
39-Y -83



MAT 3907

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

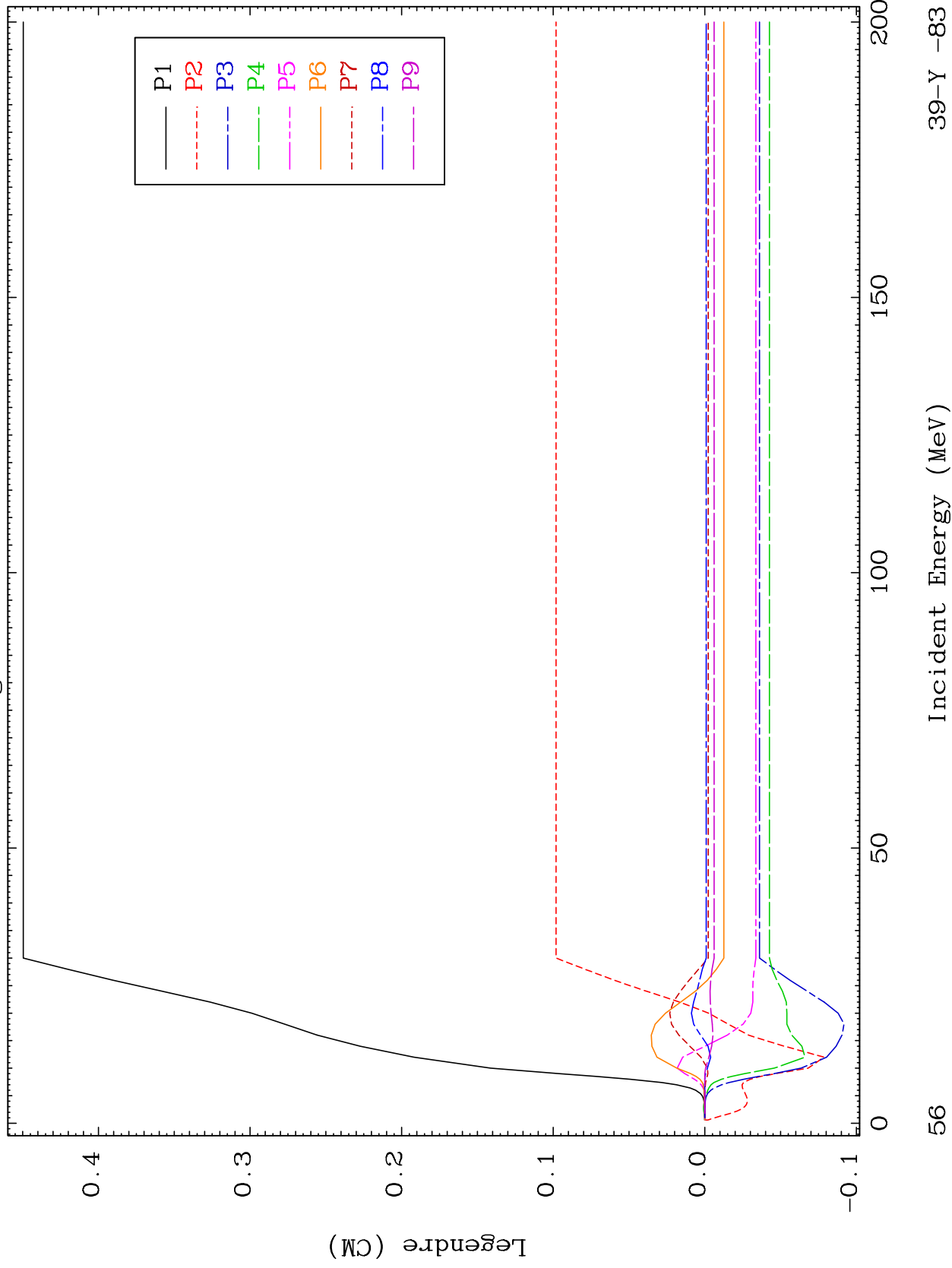
39-Y -83



MAT 3907

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

39-Y -83



39-Y -83

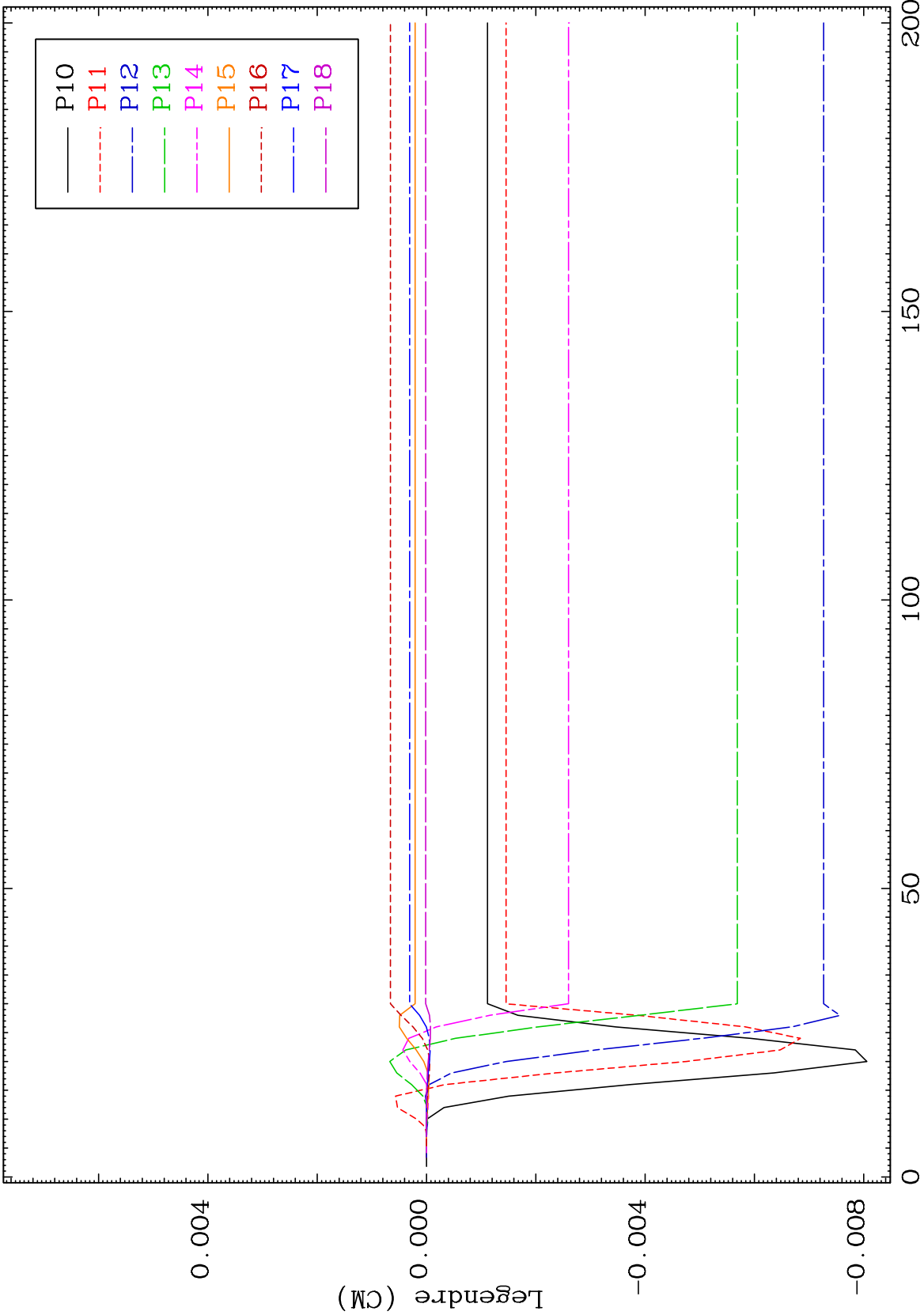
Incident Energy (MeV)

56

MAT 3907

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

39-Y -83



57

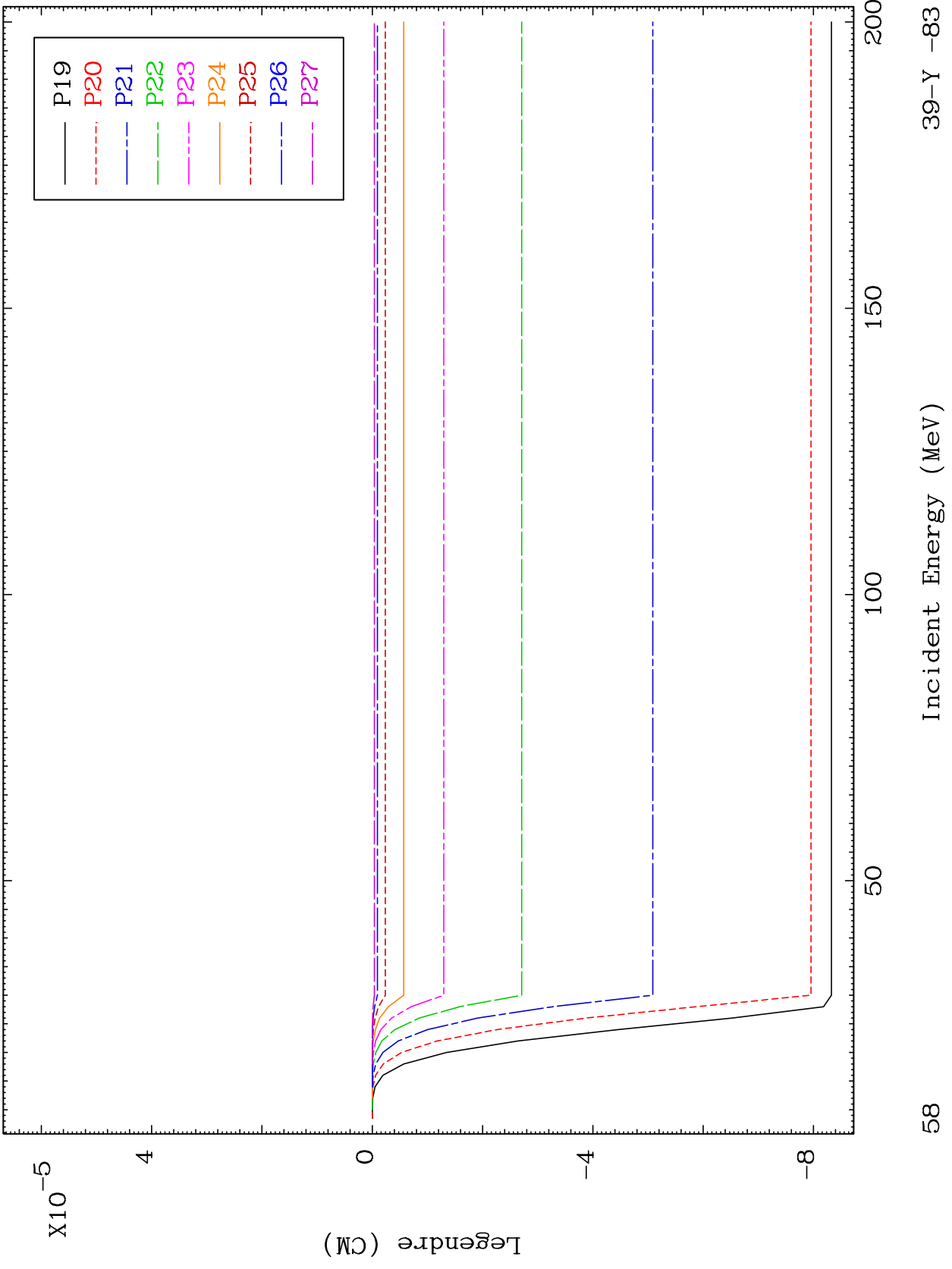
Incident Energy (MeV)

39-Y -83

MAT 3907

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

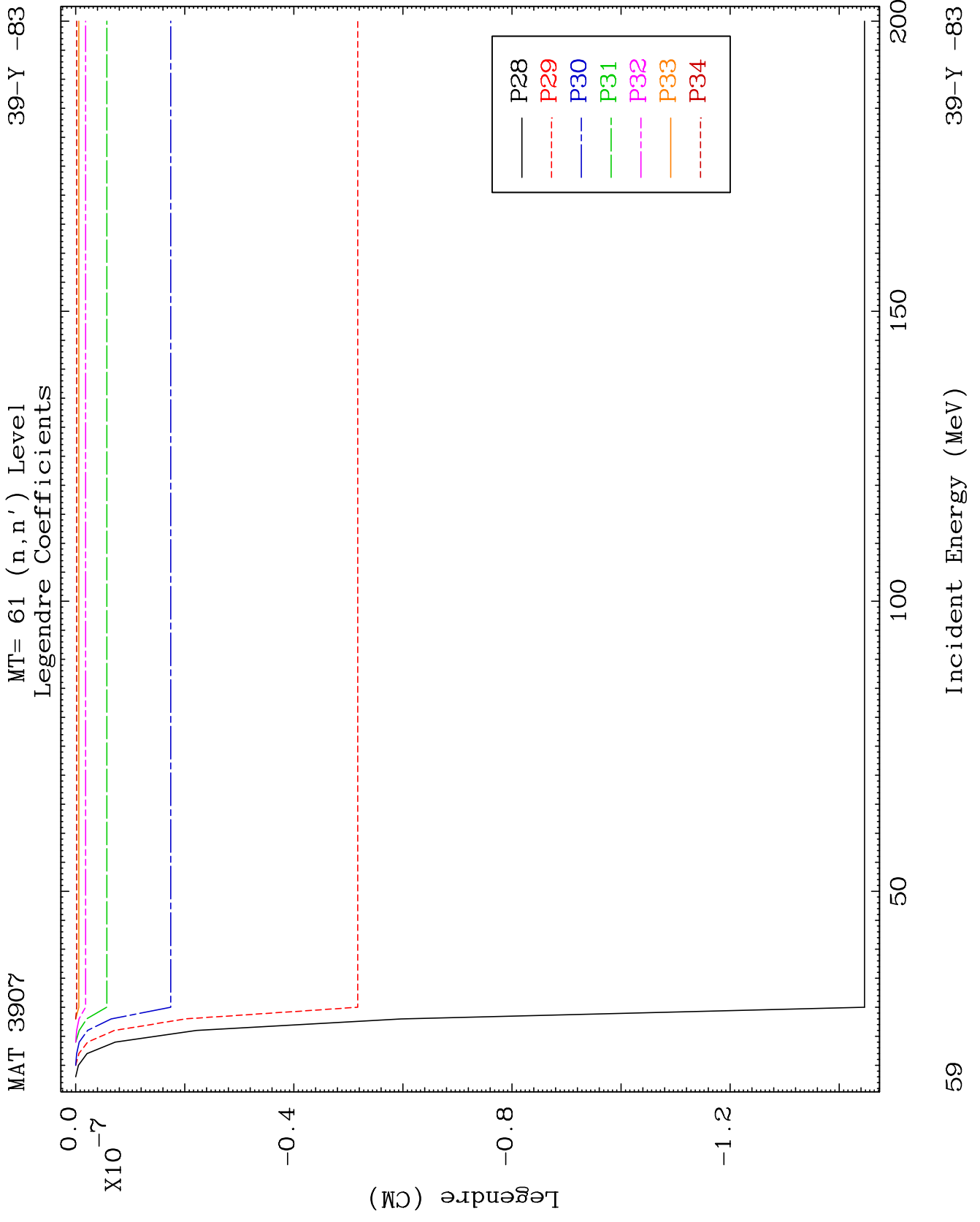
39-Y -83



58

Incident Energy (MeV)

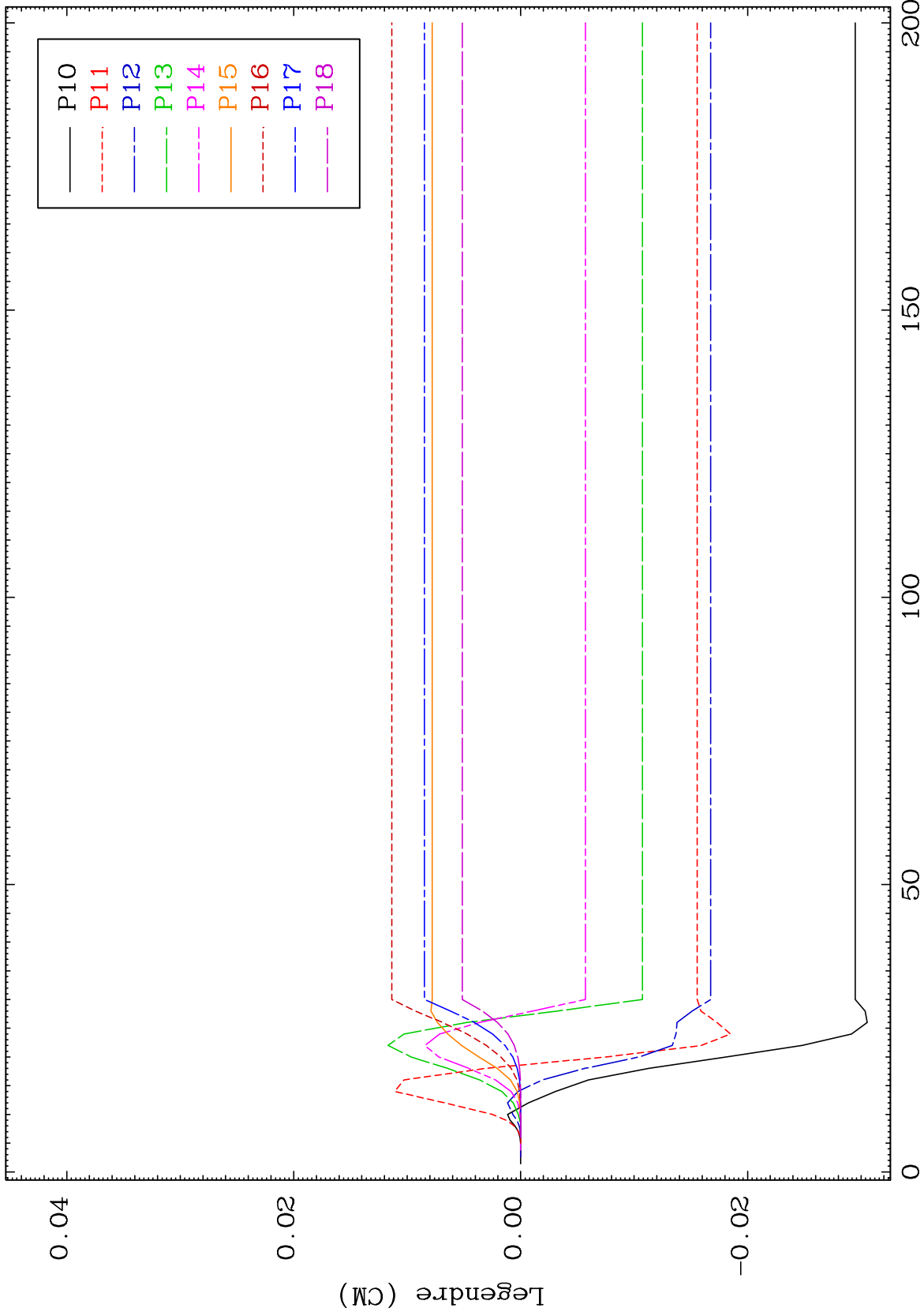
39-Y -83



MAT 3907

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

39-Y -83



61

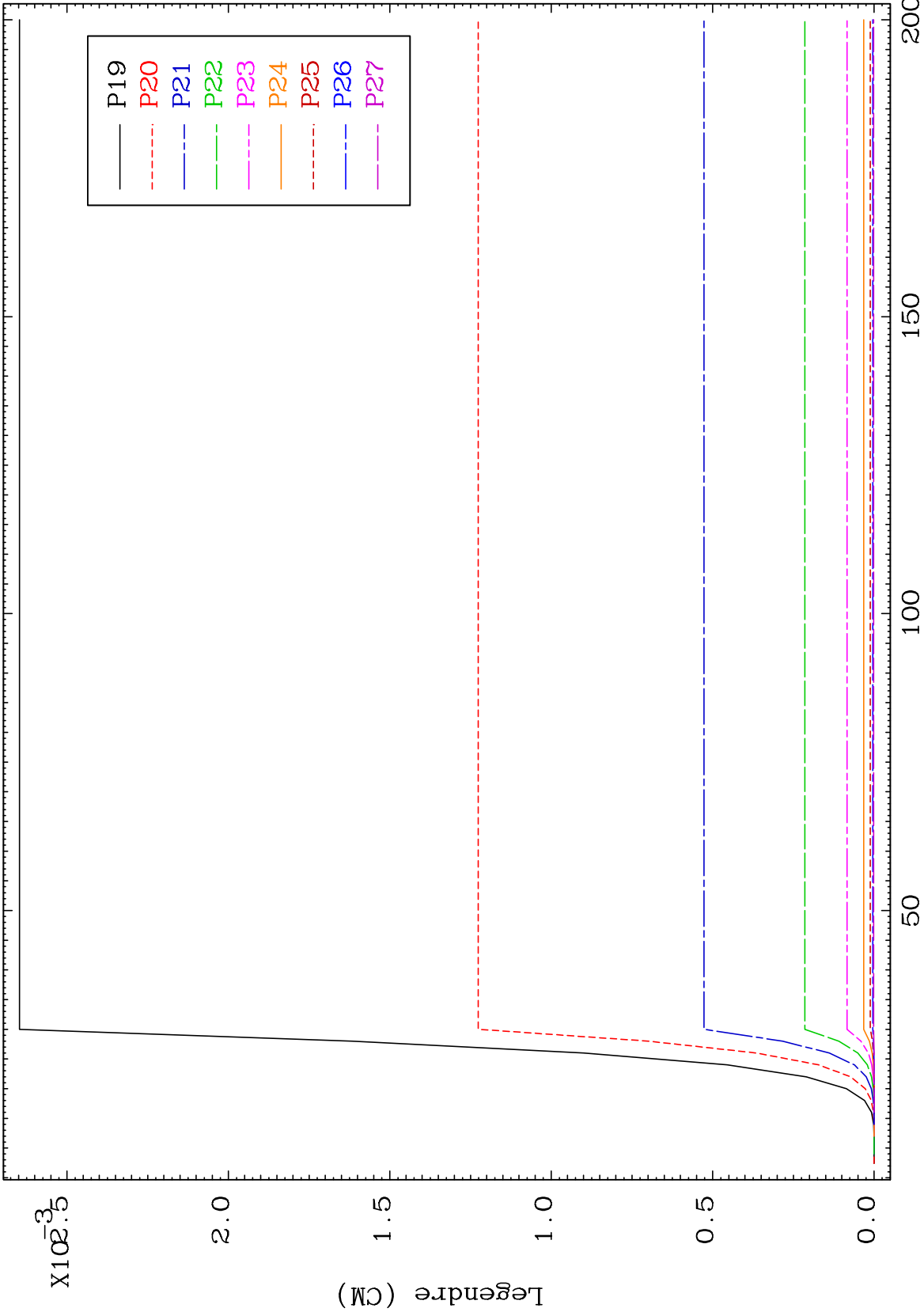
Incident Energy (MeV)

39-Y -83

MAT 3907

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

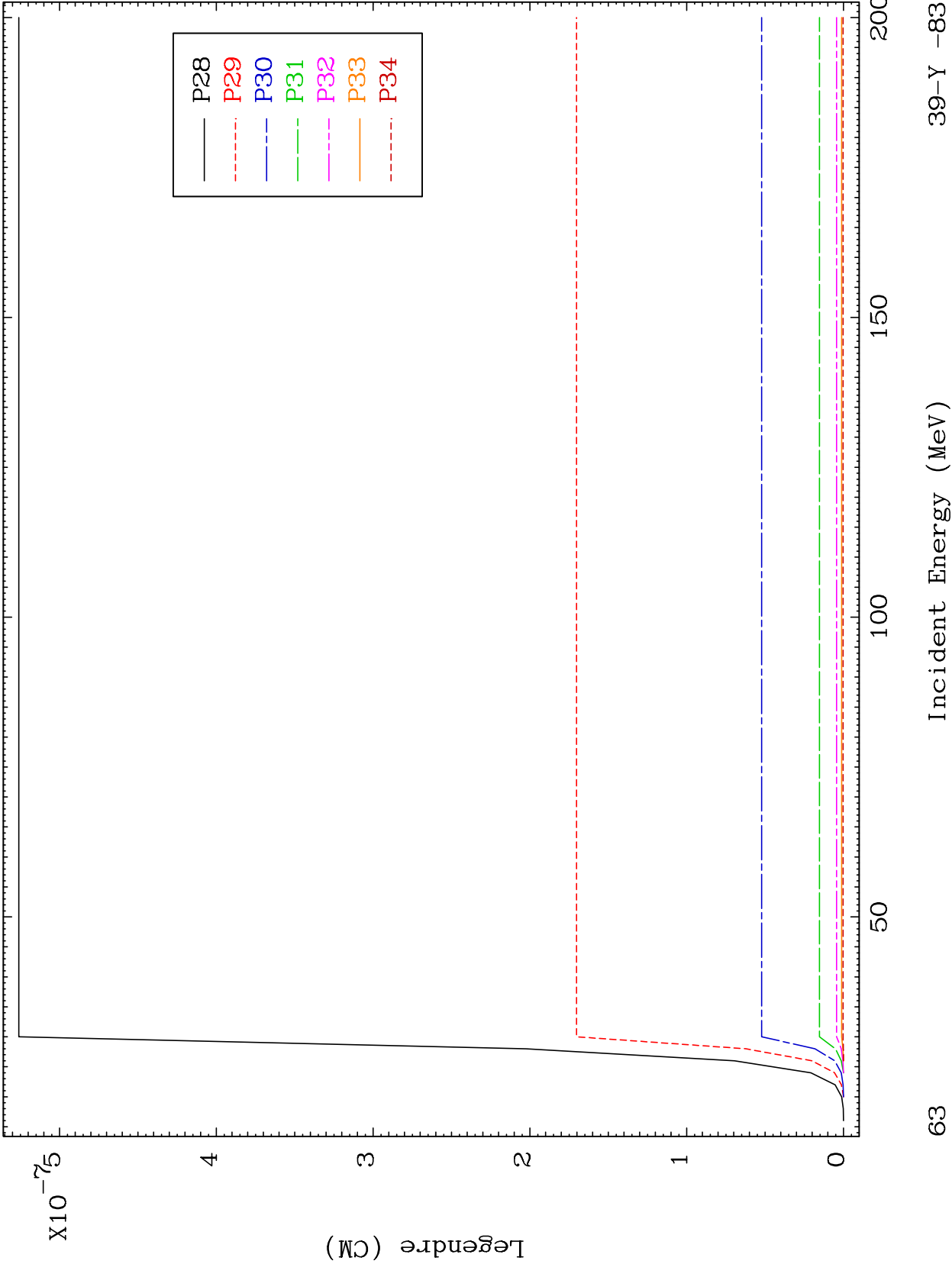
39-Y -83



62

Incident Energy (MeV)

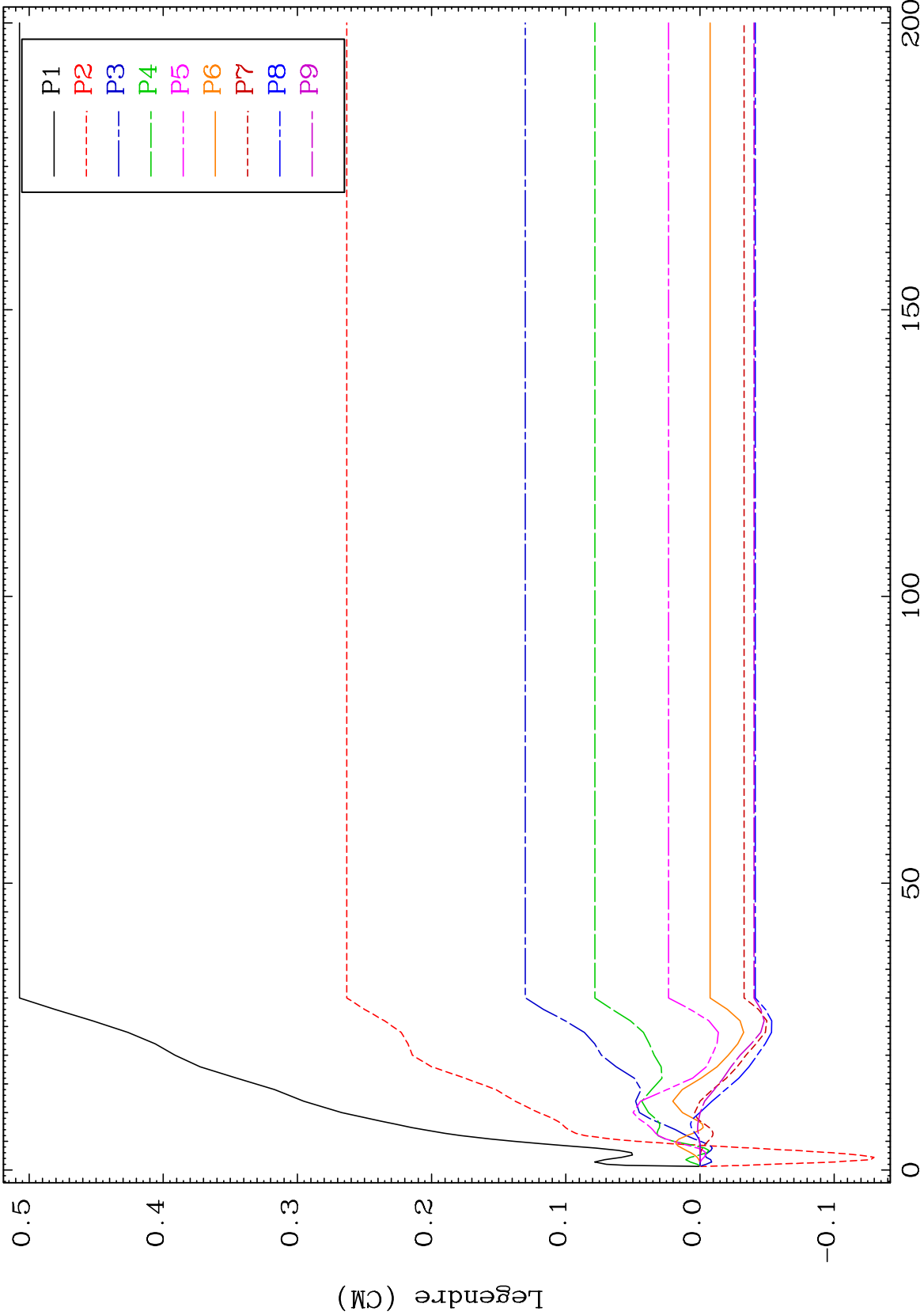
39-Y -83



MAT 3907

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

39-Y -83



64

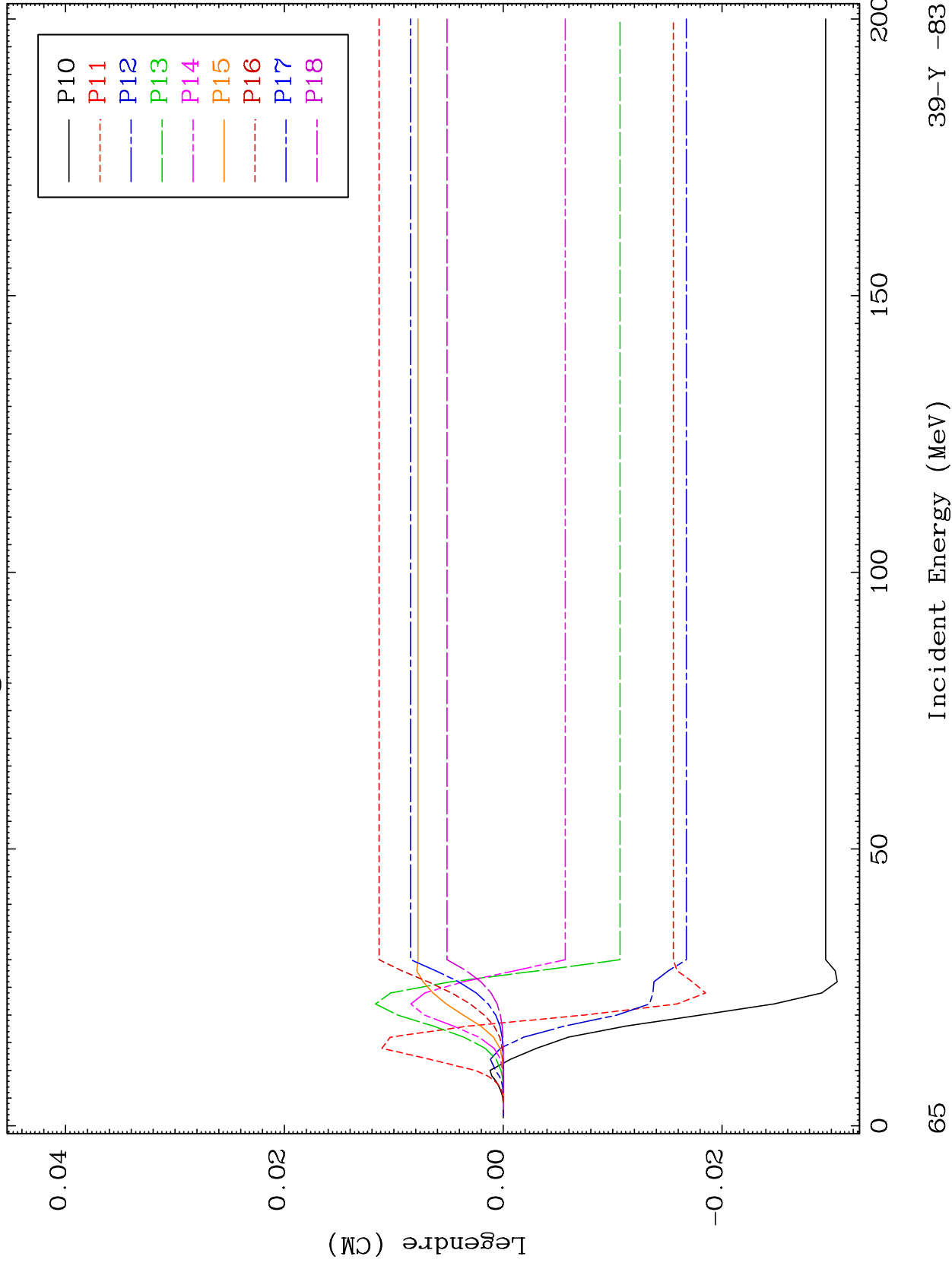
Incident Energy (MeV)

39-Y -83

MAT 3907

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

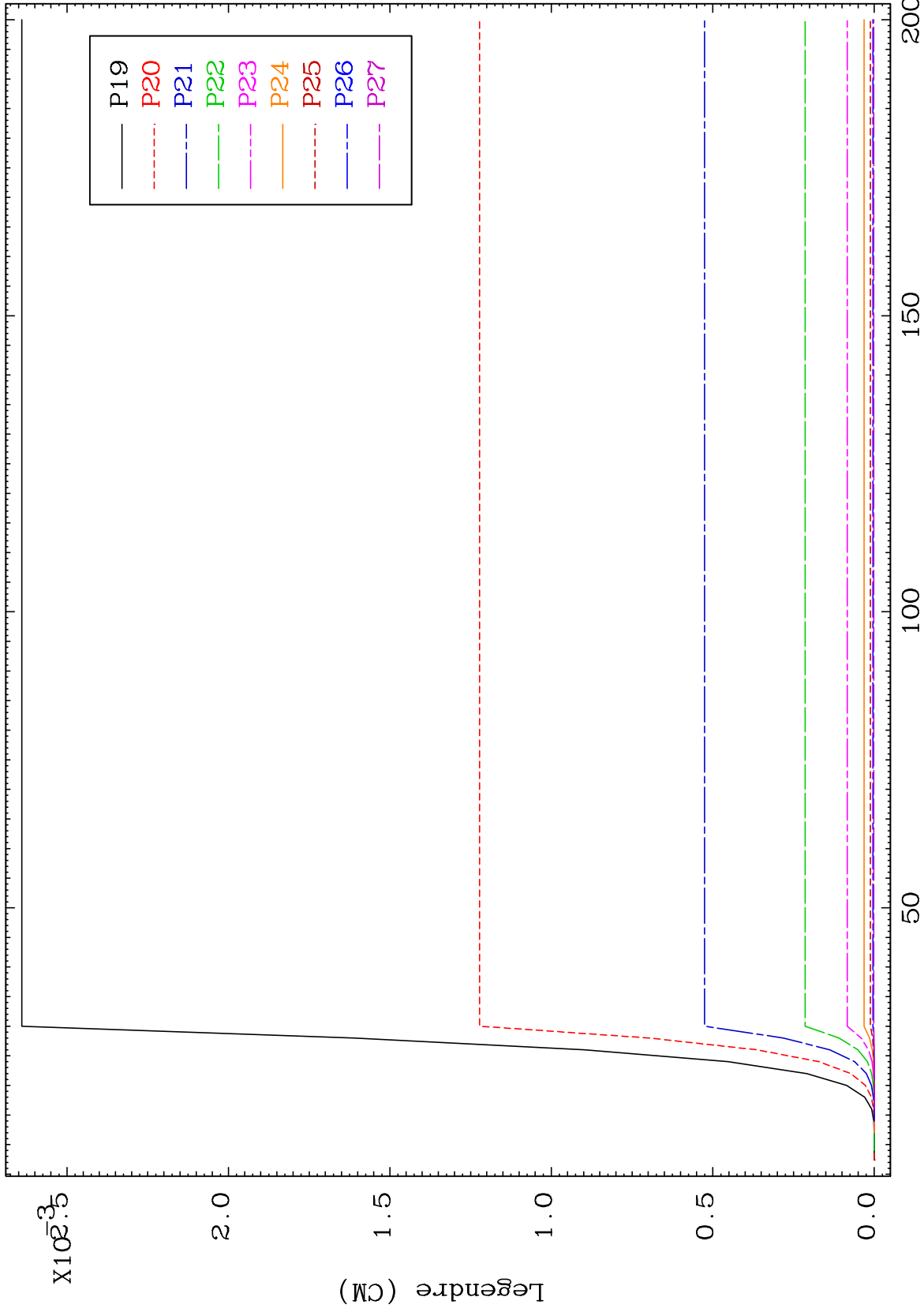
39-Y -83



39-Y -83

Incident Energy (MeV)

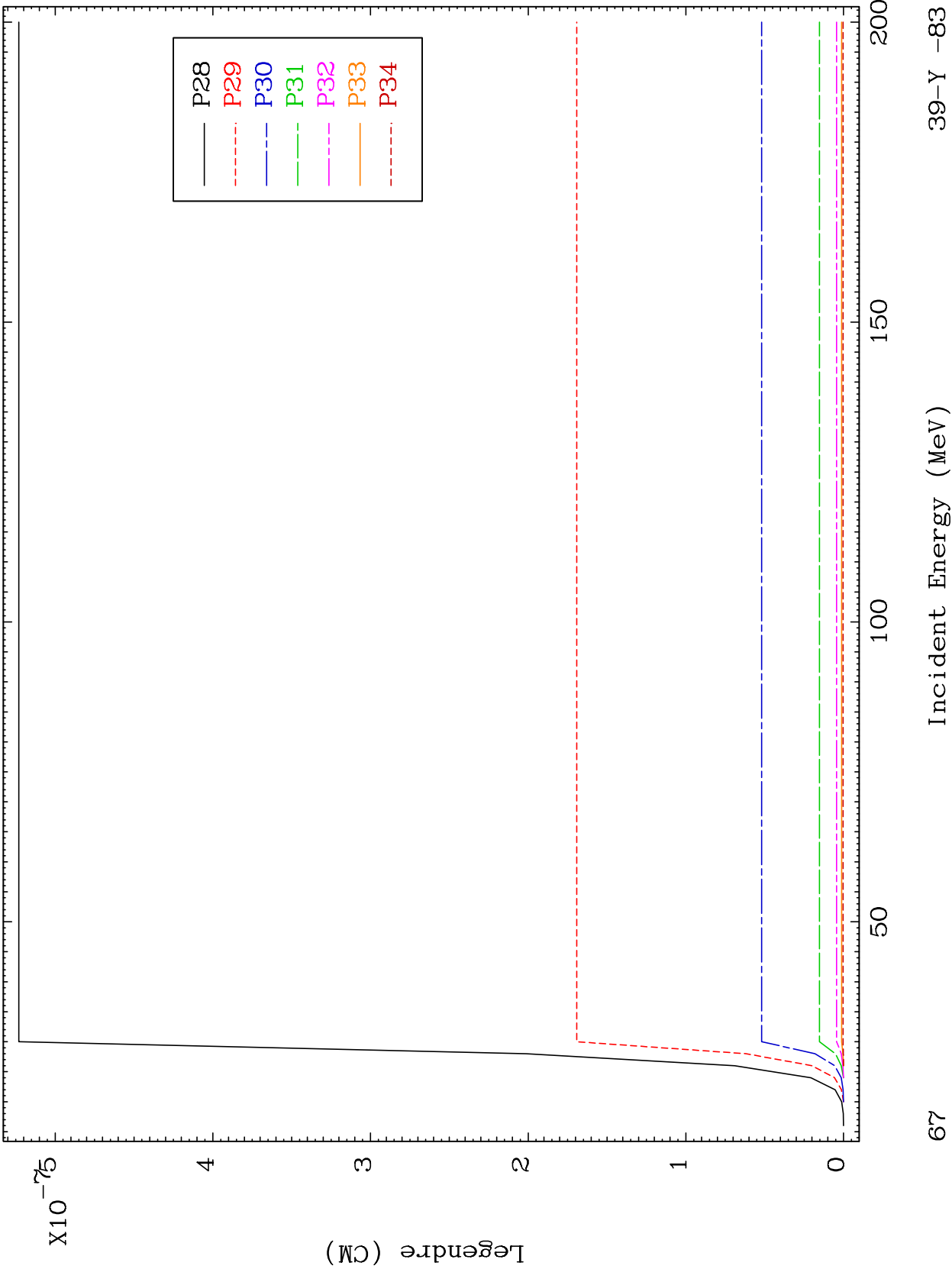
65



MAT 3907

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

39-Y -83



67

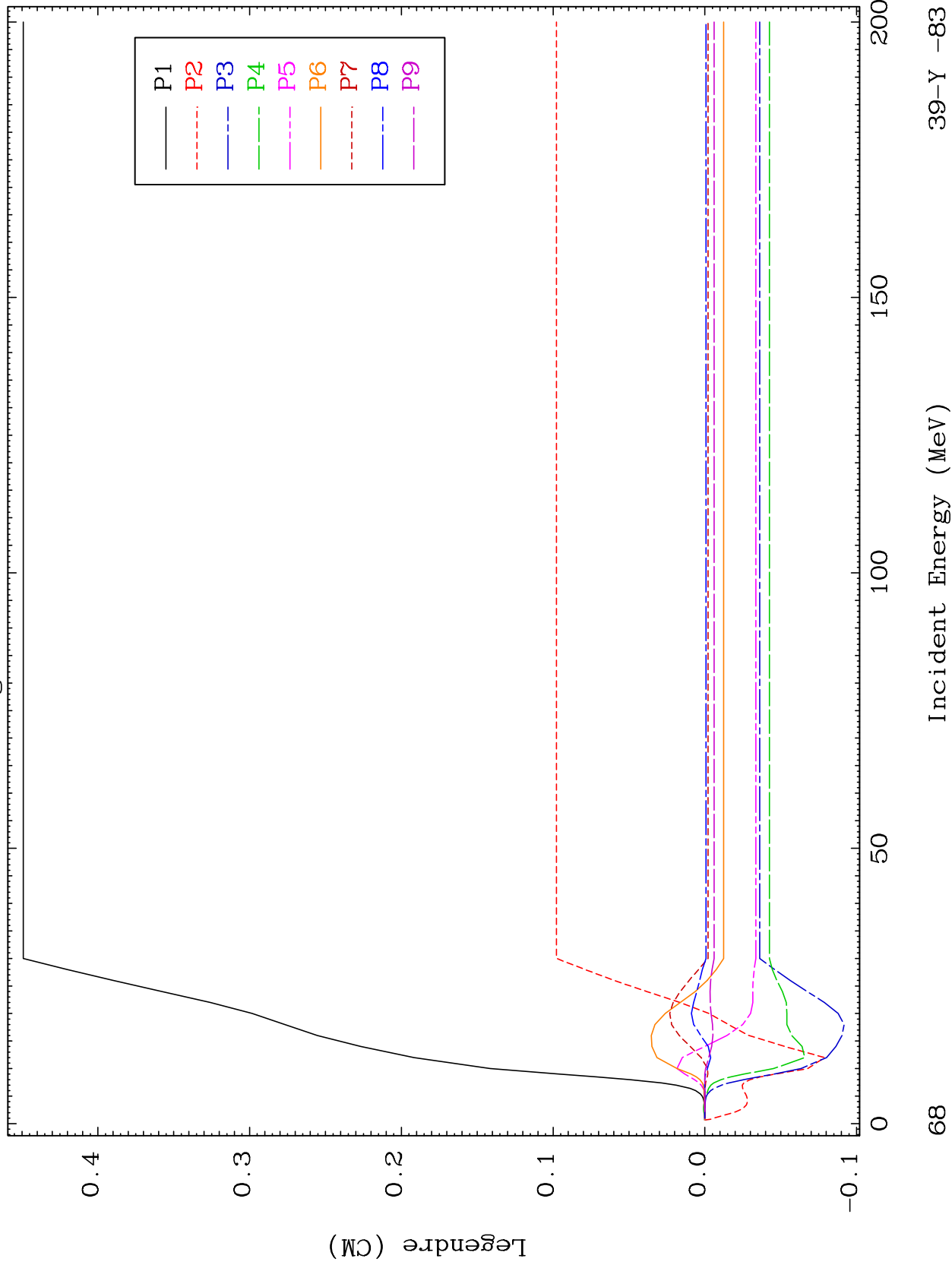
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



39-Y -83

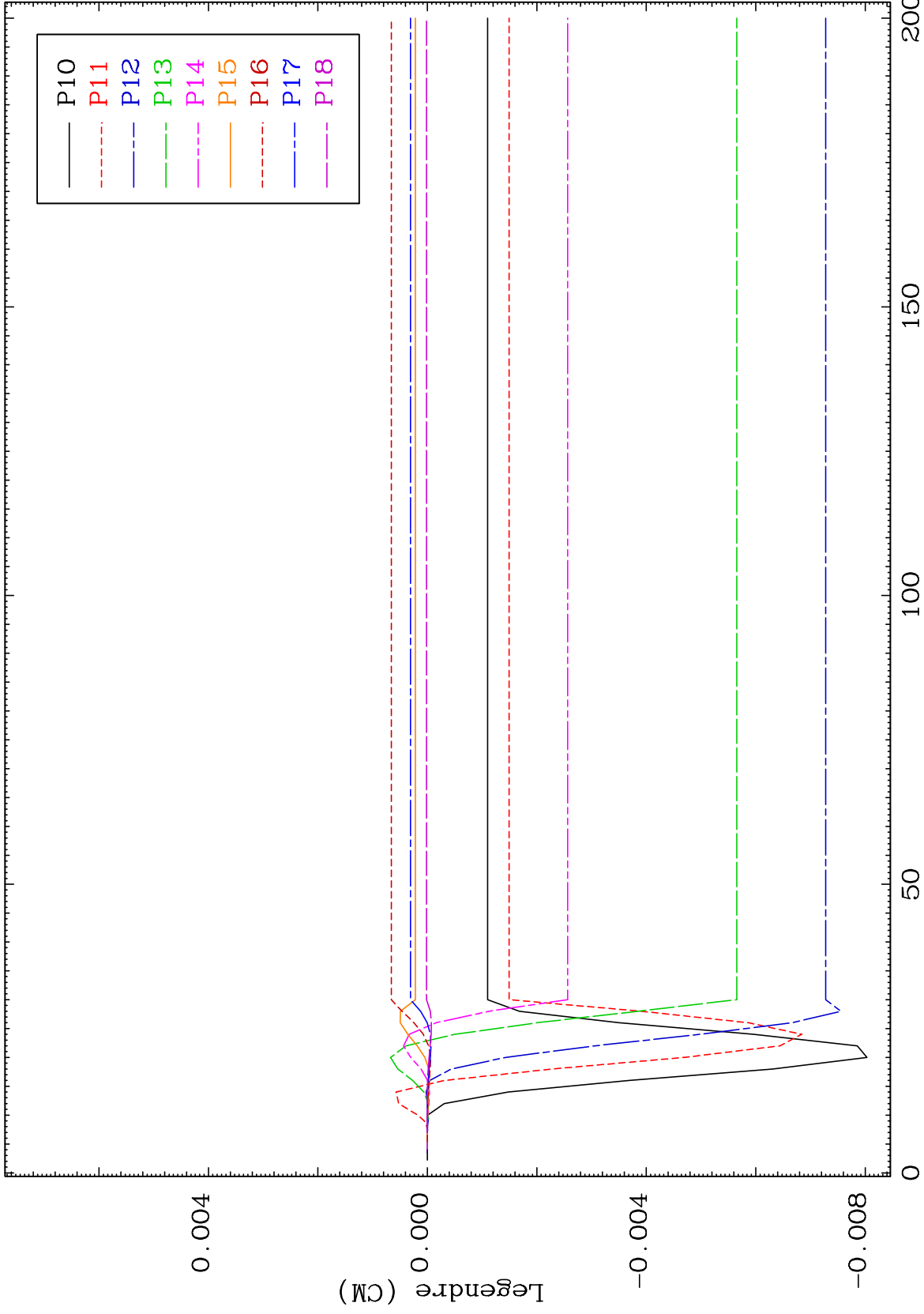
Incident Energy (MeV)

68

MAT 3907

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

39-Y -83



69

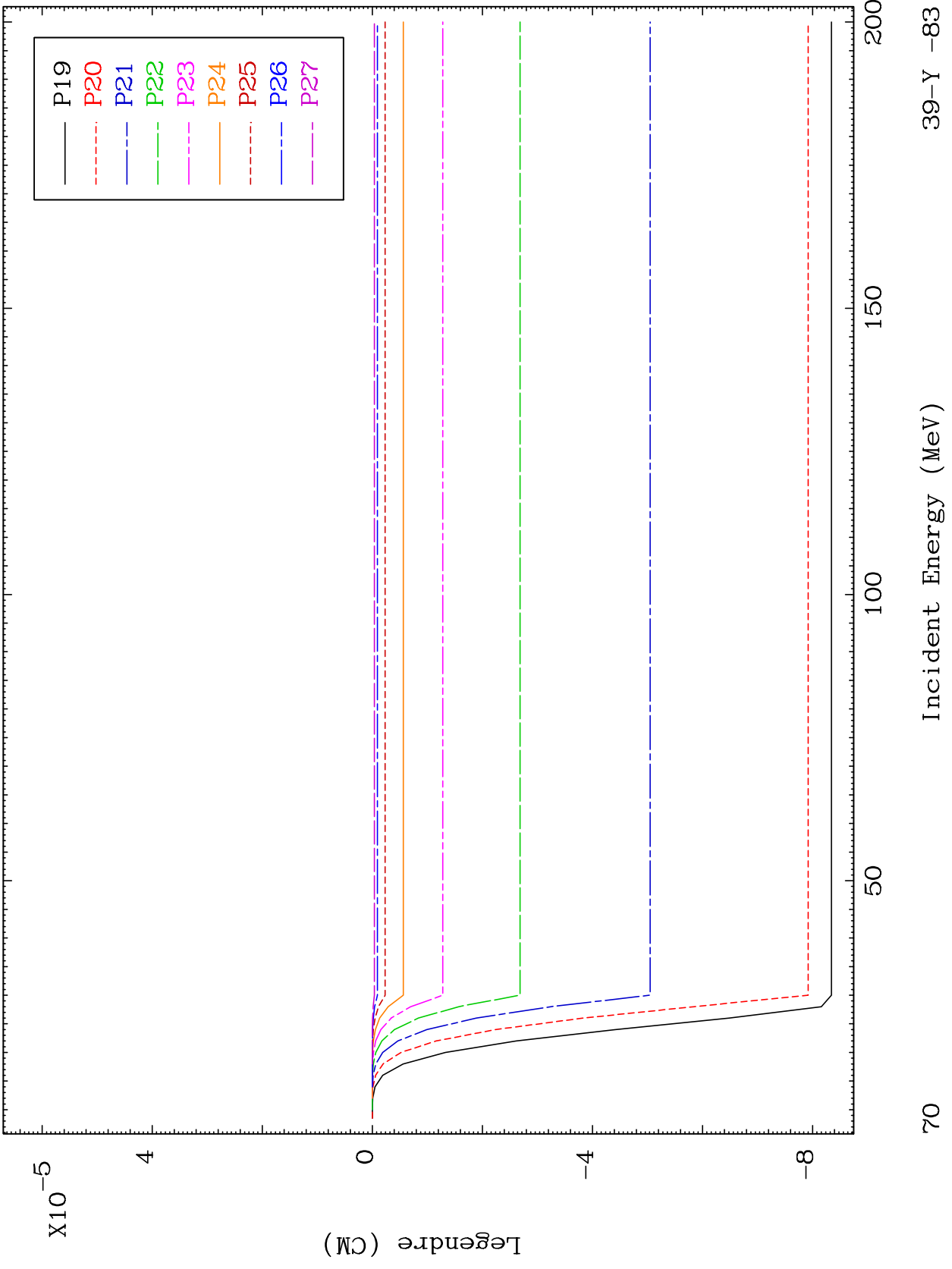
Incident Energy (MeV)

39-Y -83

MAT 3907

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

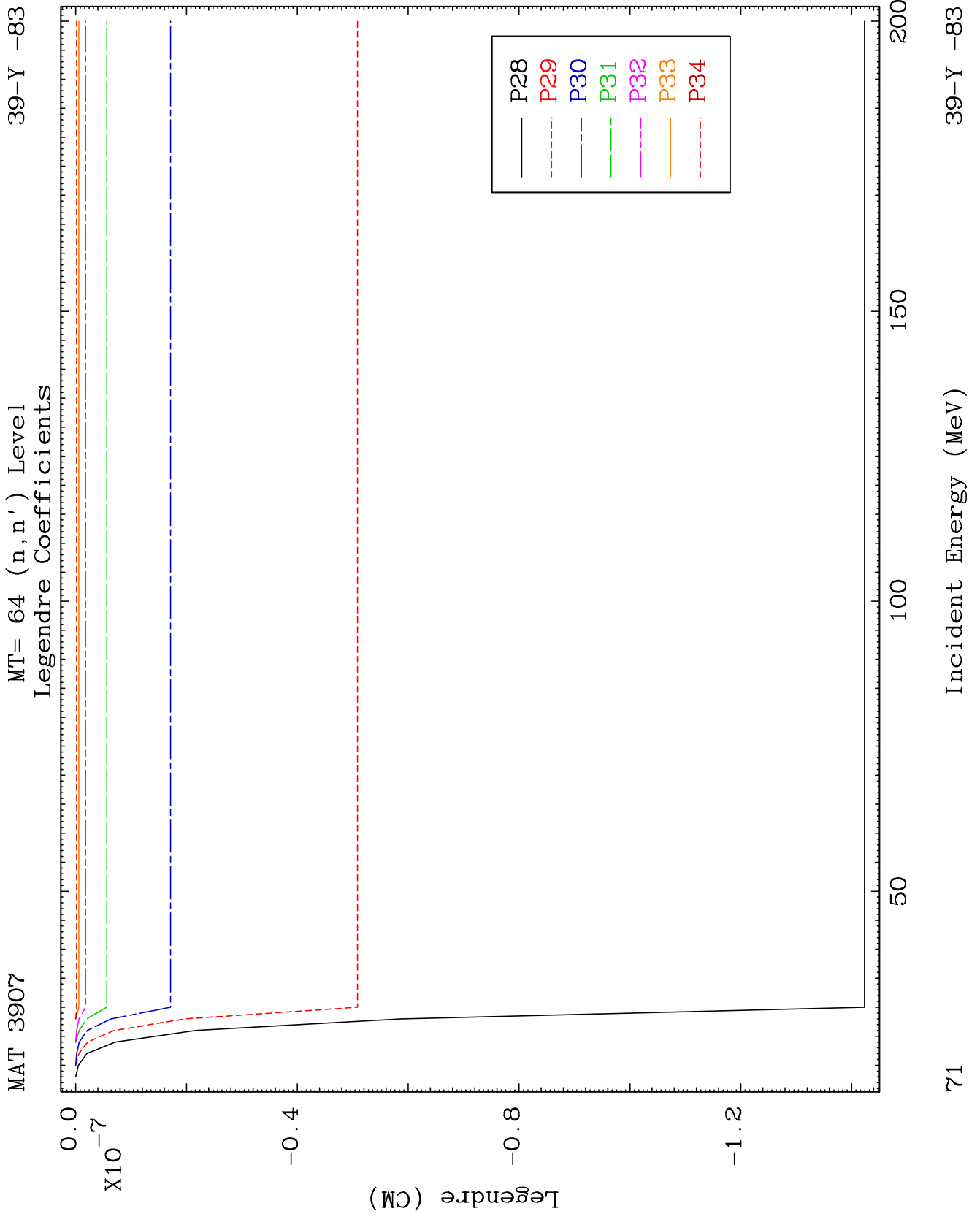
39-Y -83



70

Incident Energy (MeV)

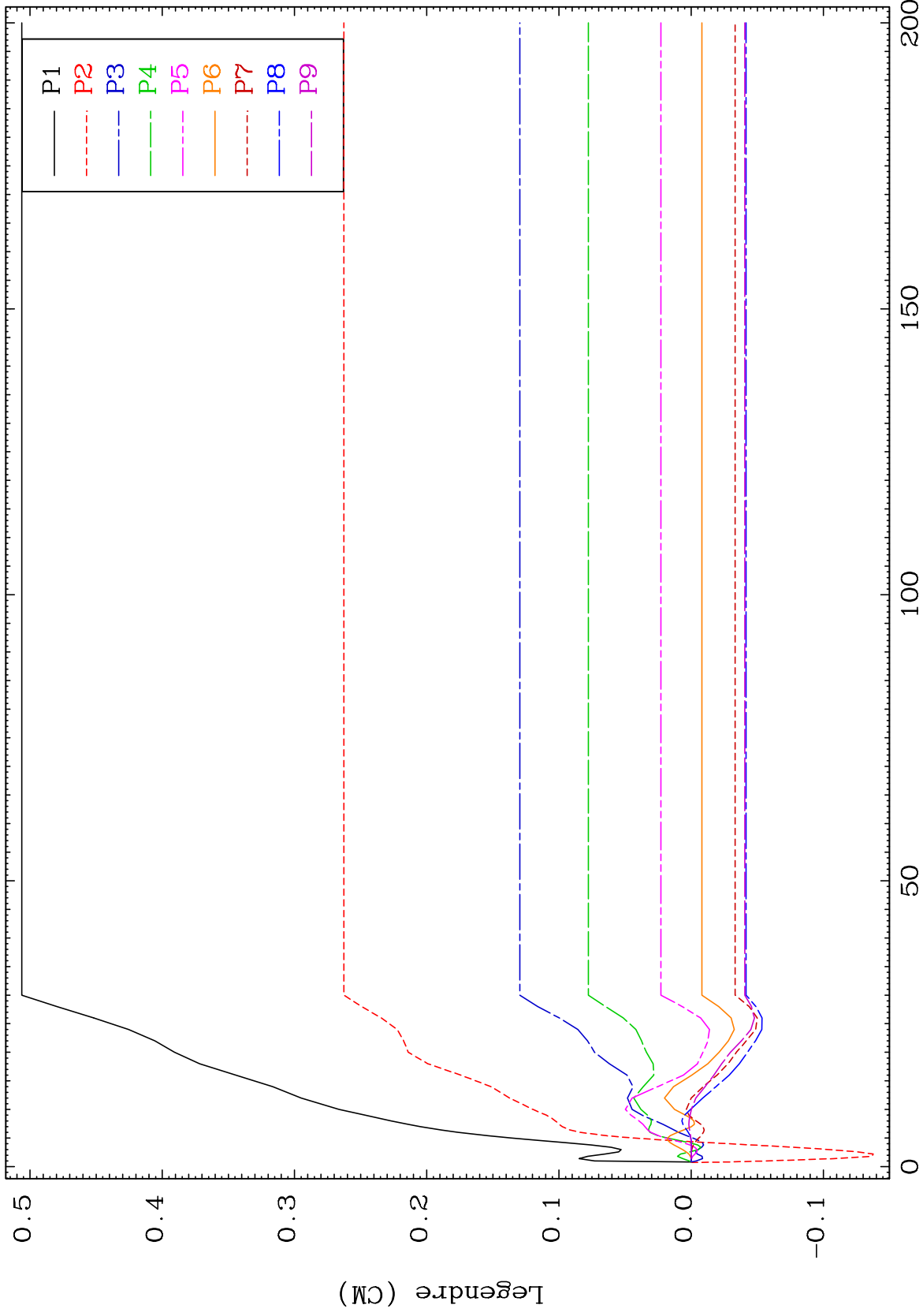
39-Y -83



MAT 3907

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

39-Y -83



72

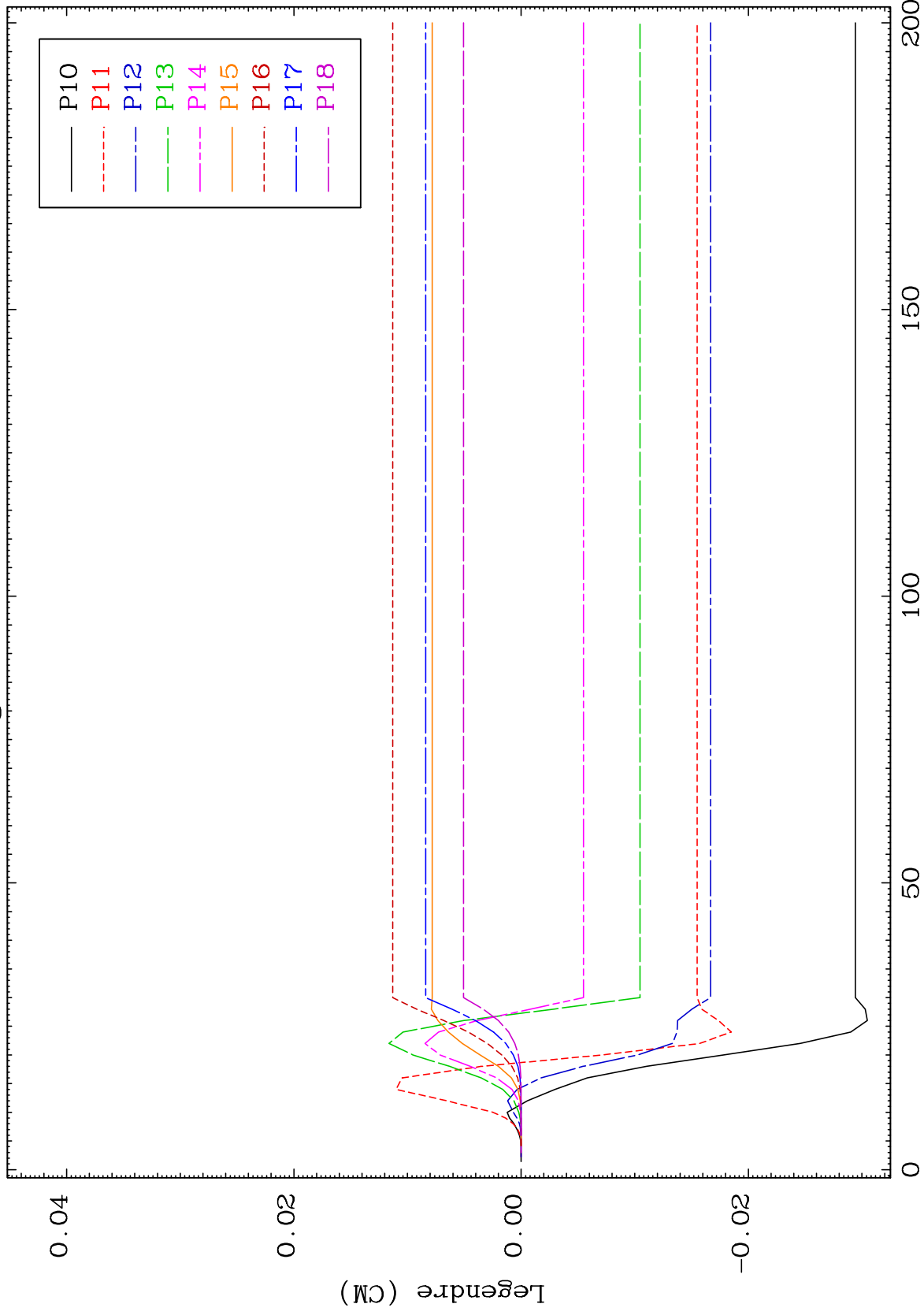
Incident Energy (MeV)

39-Y -83

MAT 3907

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

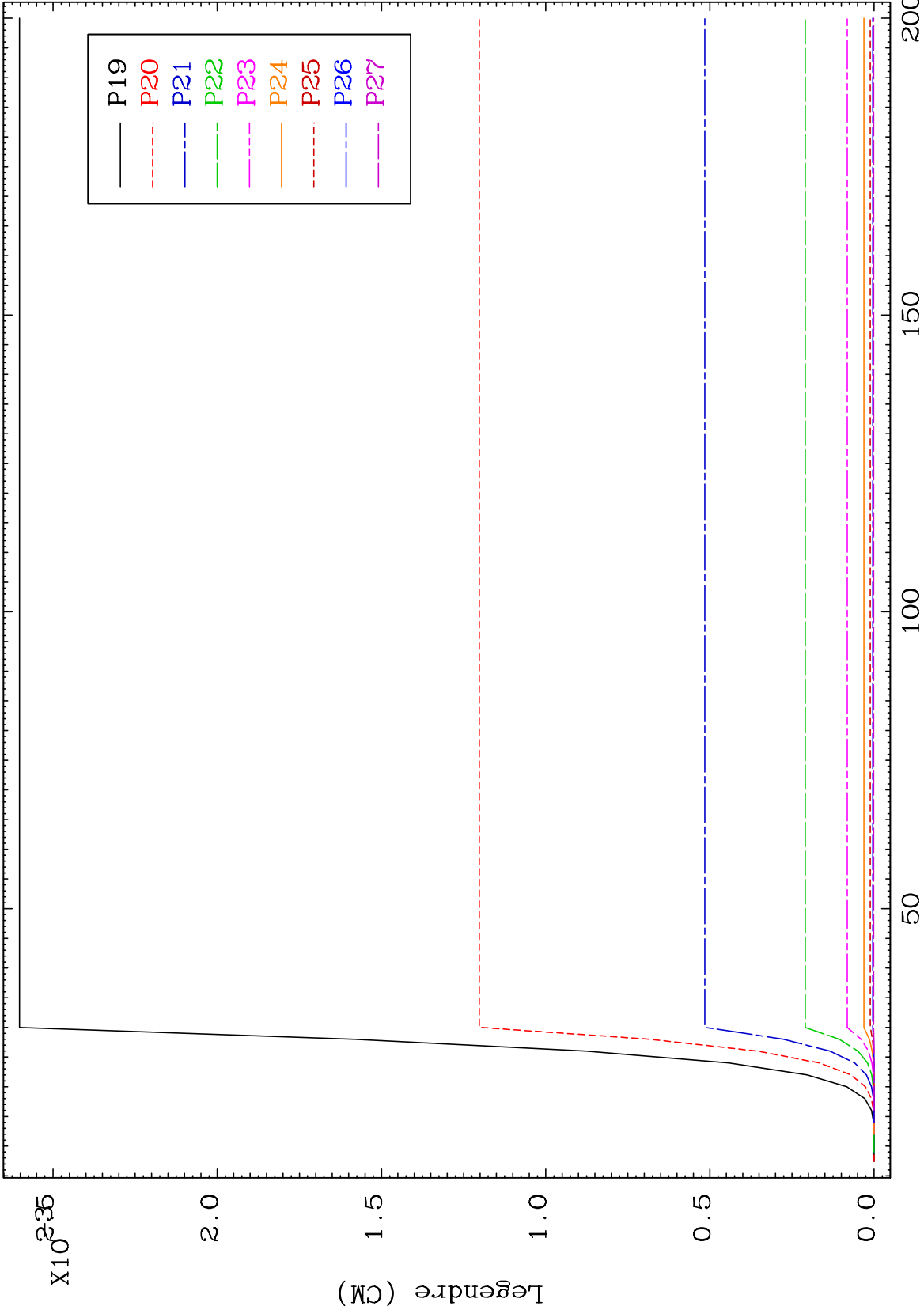
39-Y -83



73

Incident Energy (MeV)

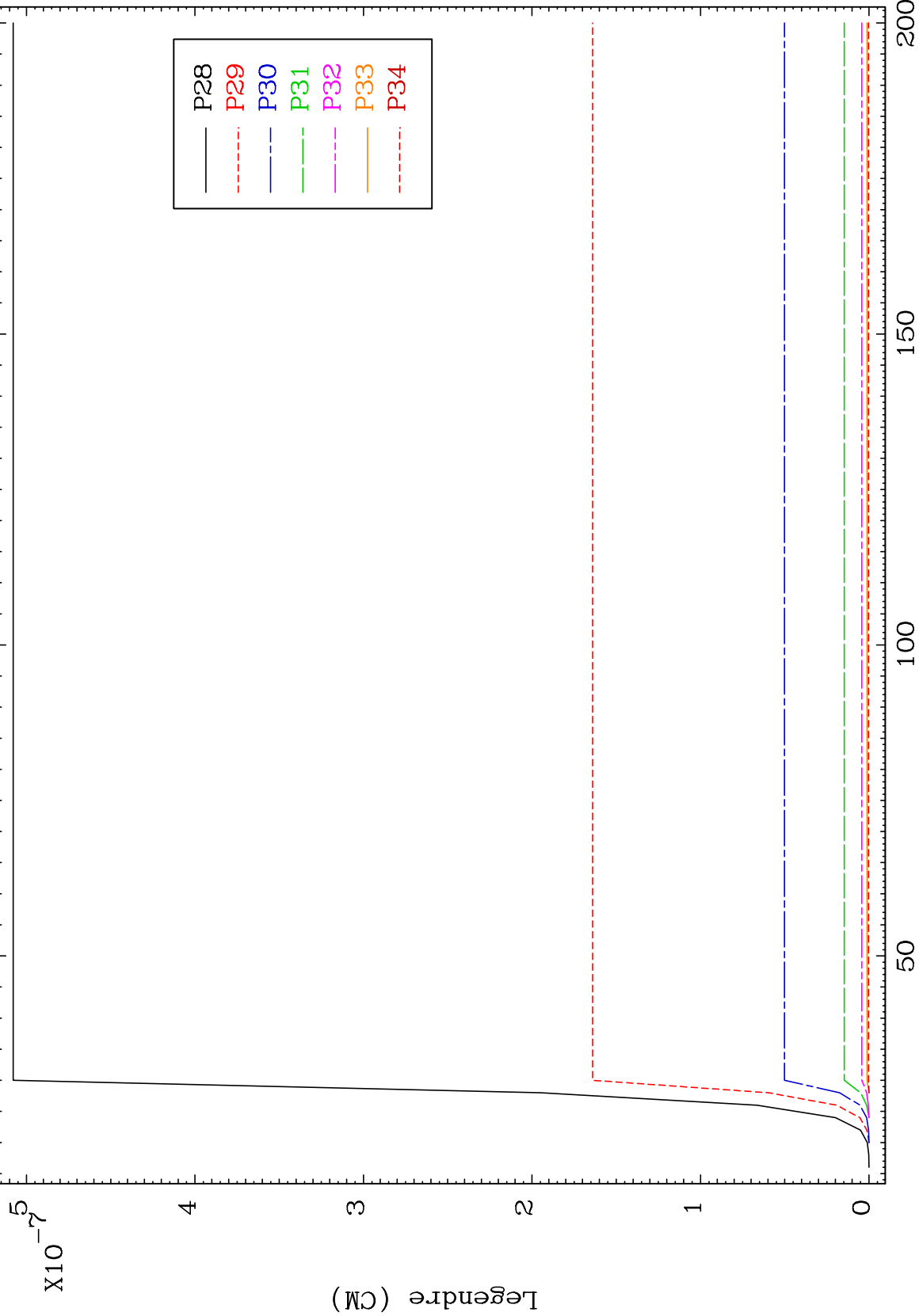
39-Y -83



MAT 3907

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

39-Y -83



75

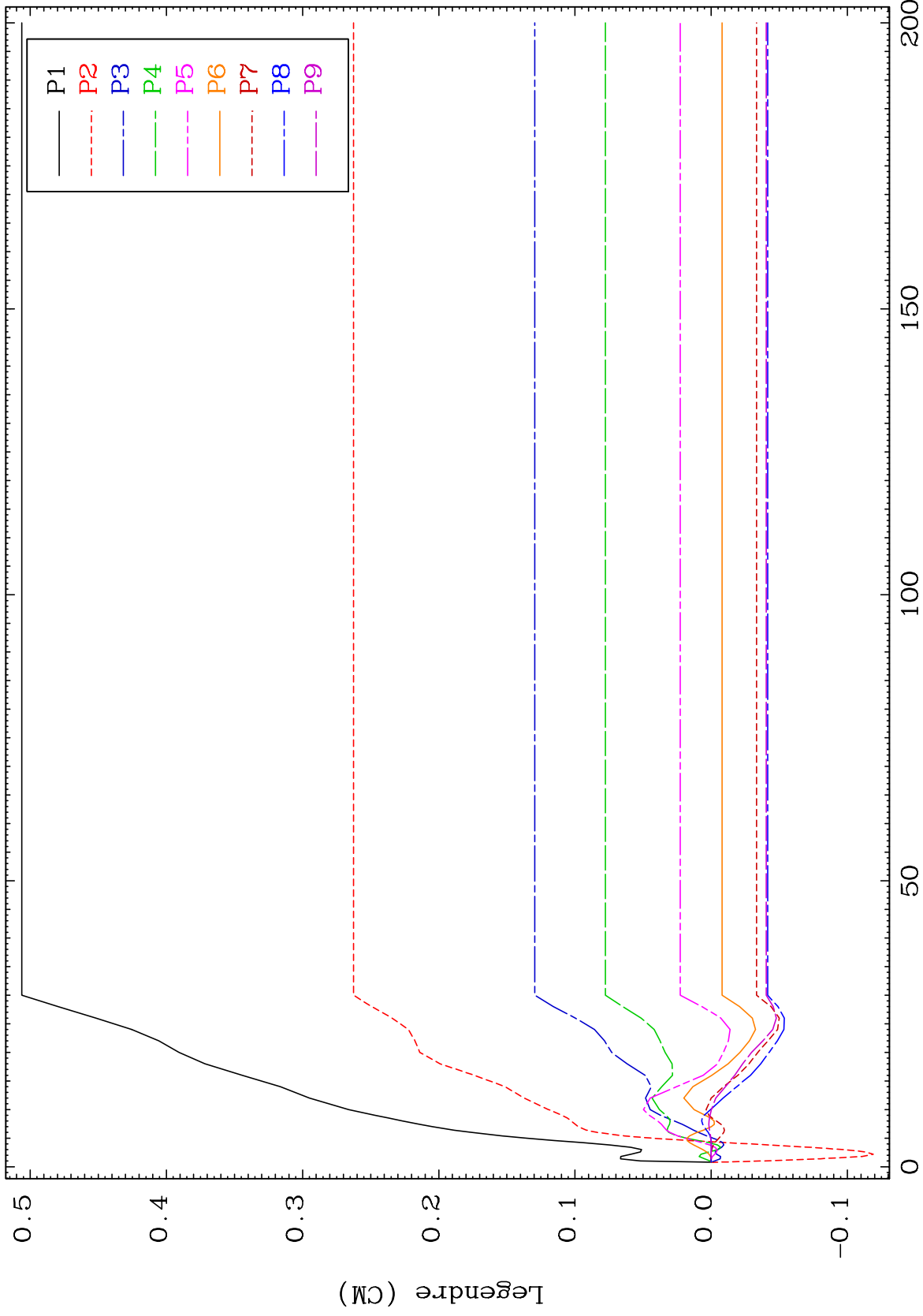
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



76

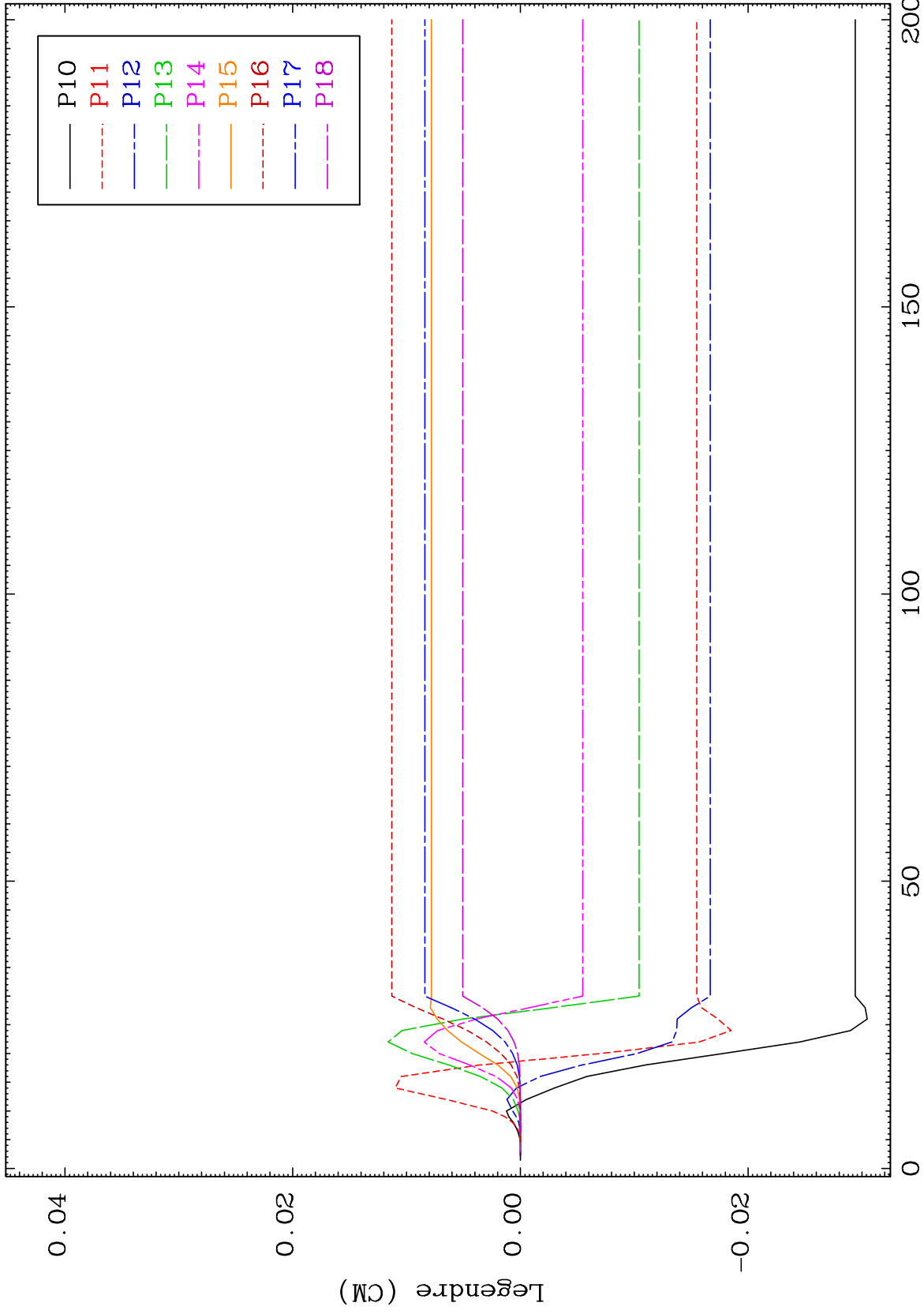
Incident Energy (MeV)

39-Y -83

MAT 3907

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

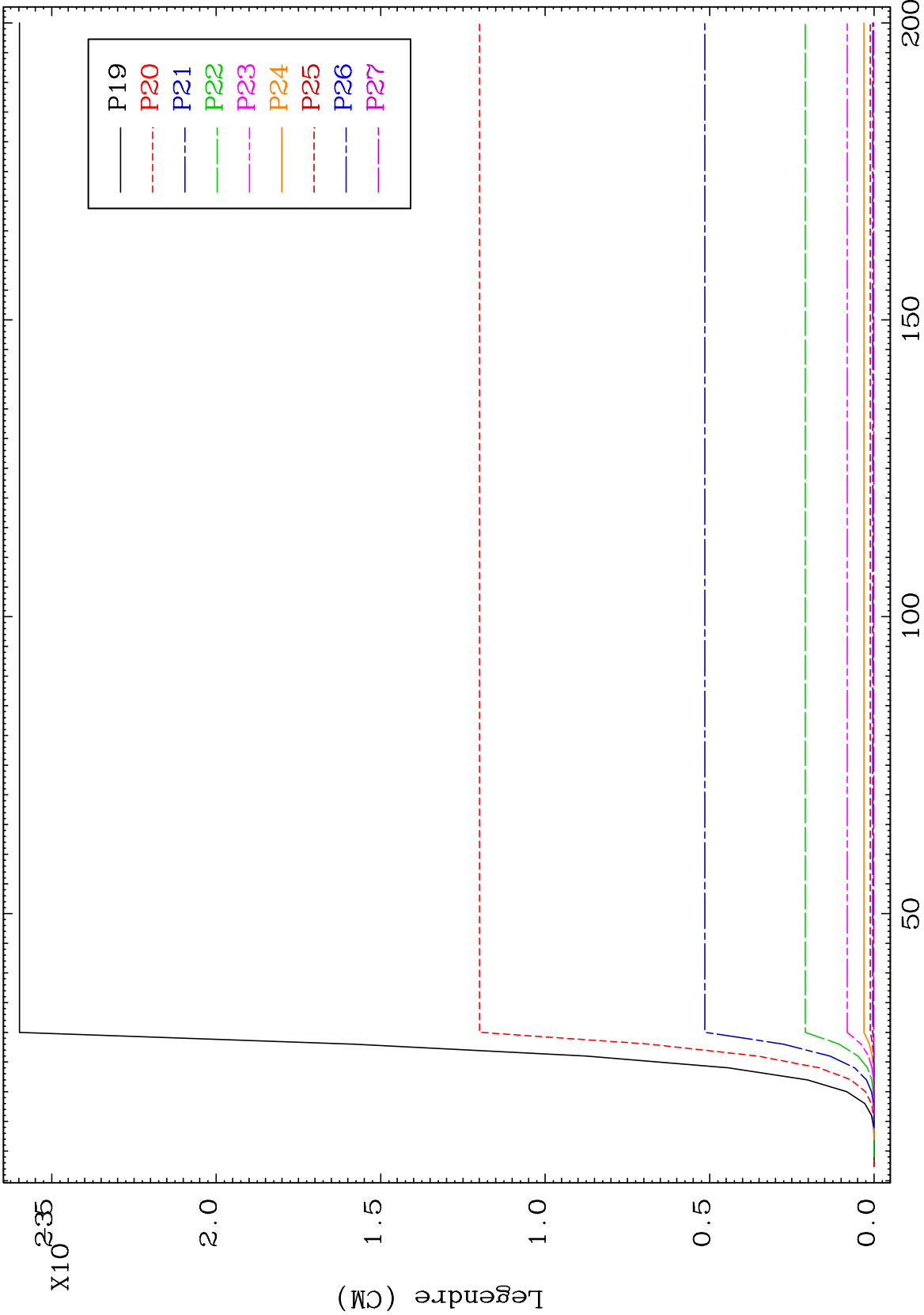
39-Y -83



77

Incident Energy (MeV)

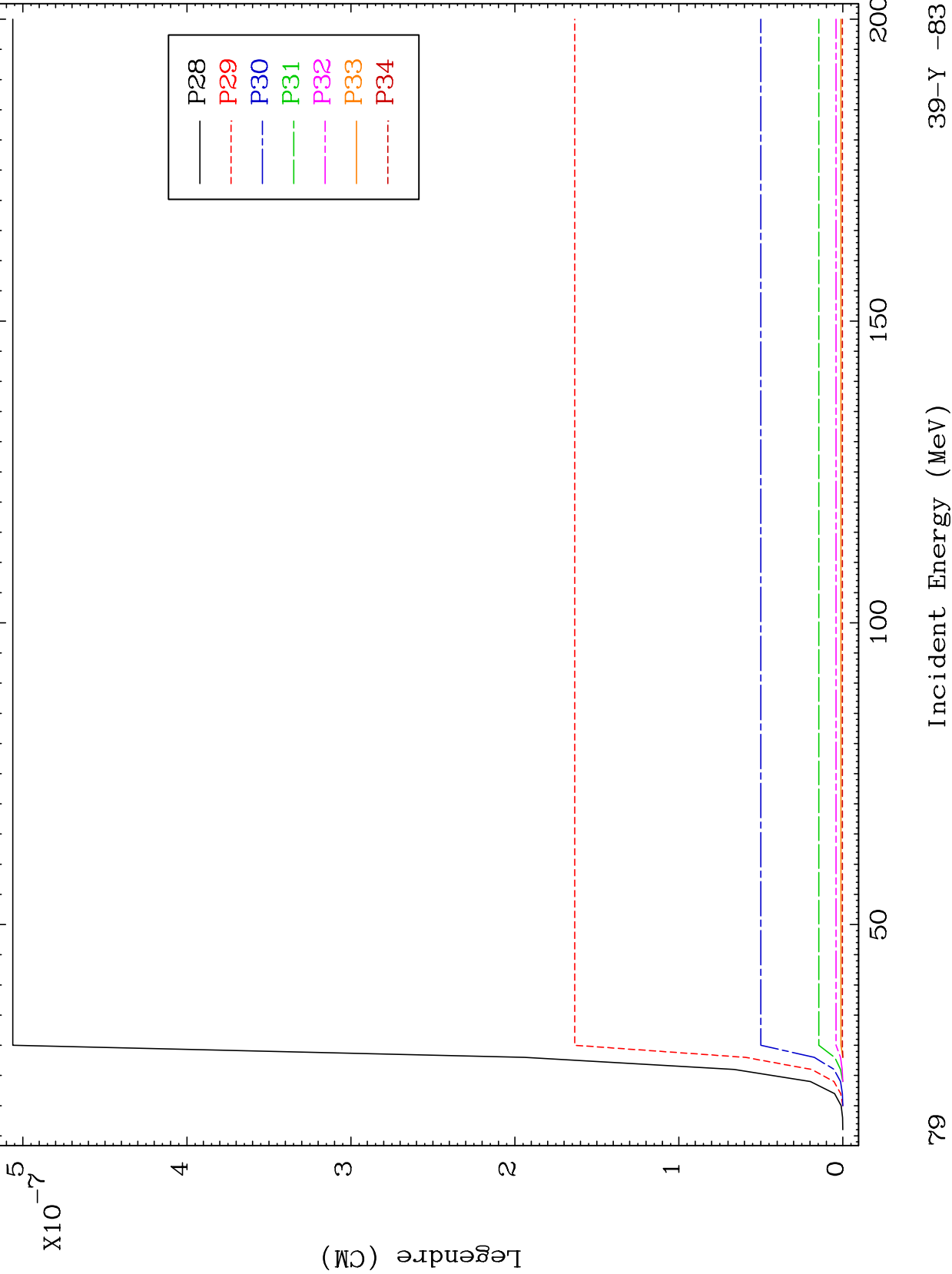
39-Y -83



MAT 3907

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

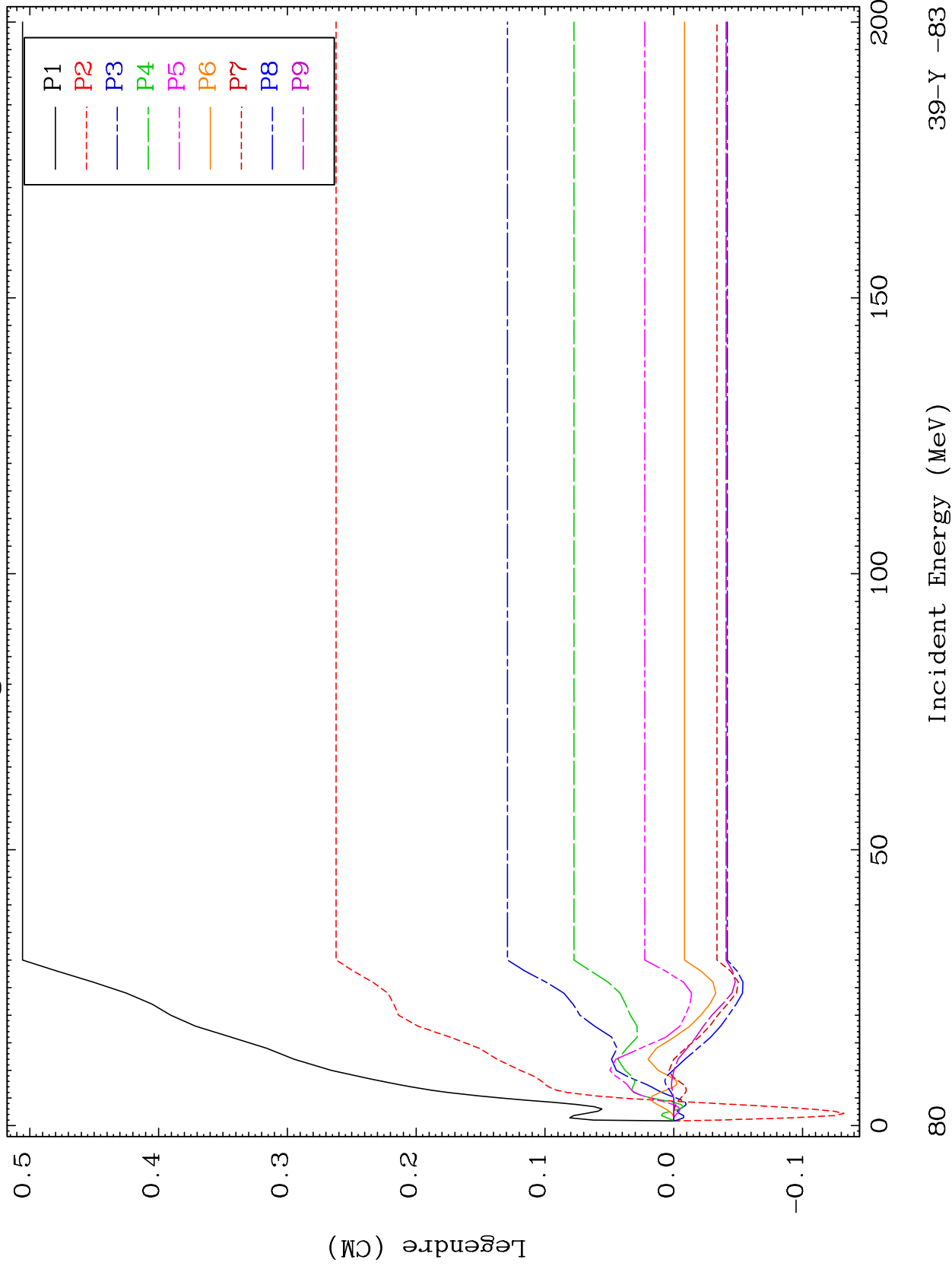
39-Y -83



MAT 3907

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

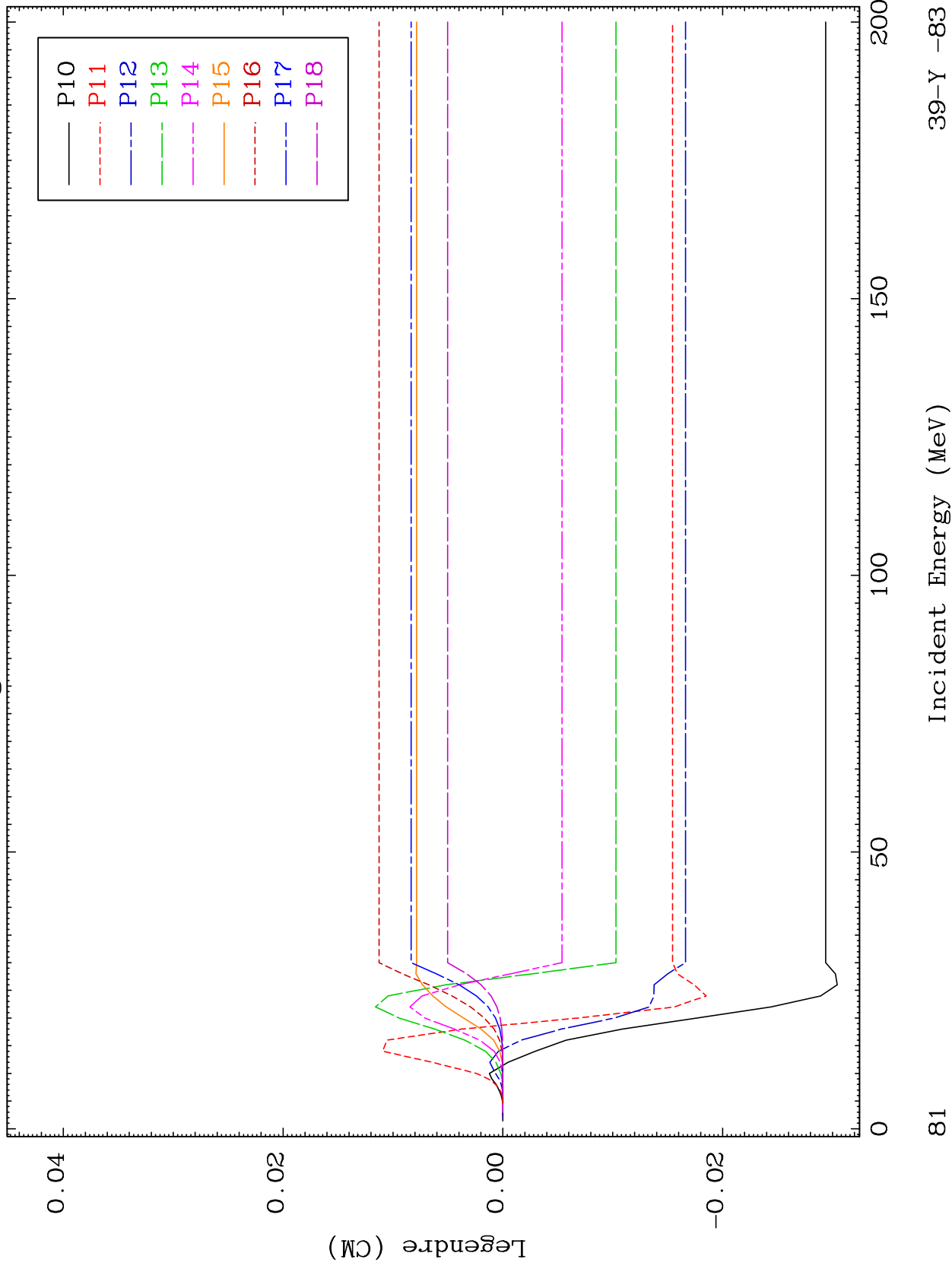
39-Y -83



MAT 3907

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

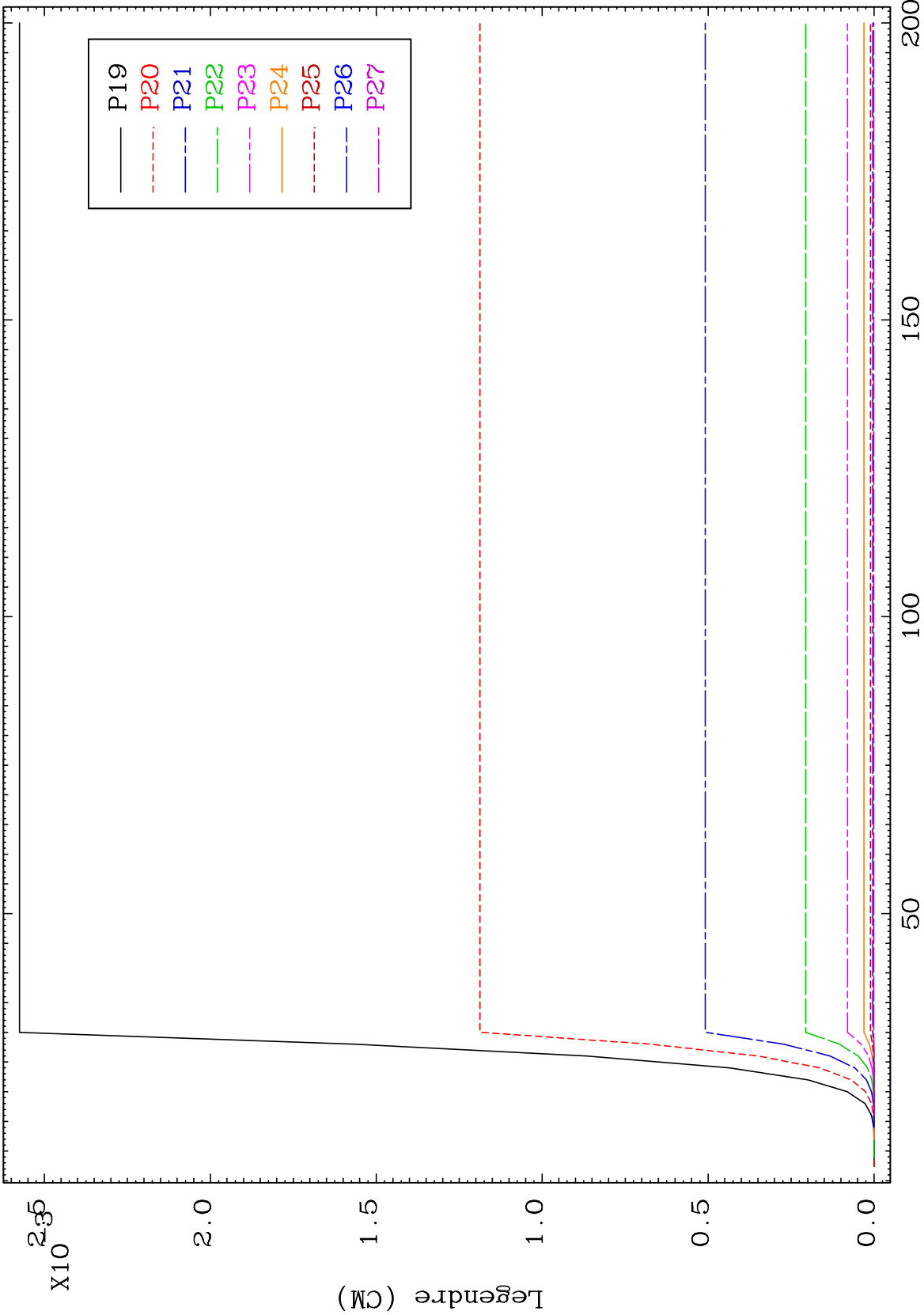
39-Y -83



81

Incident Energy (MeV)

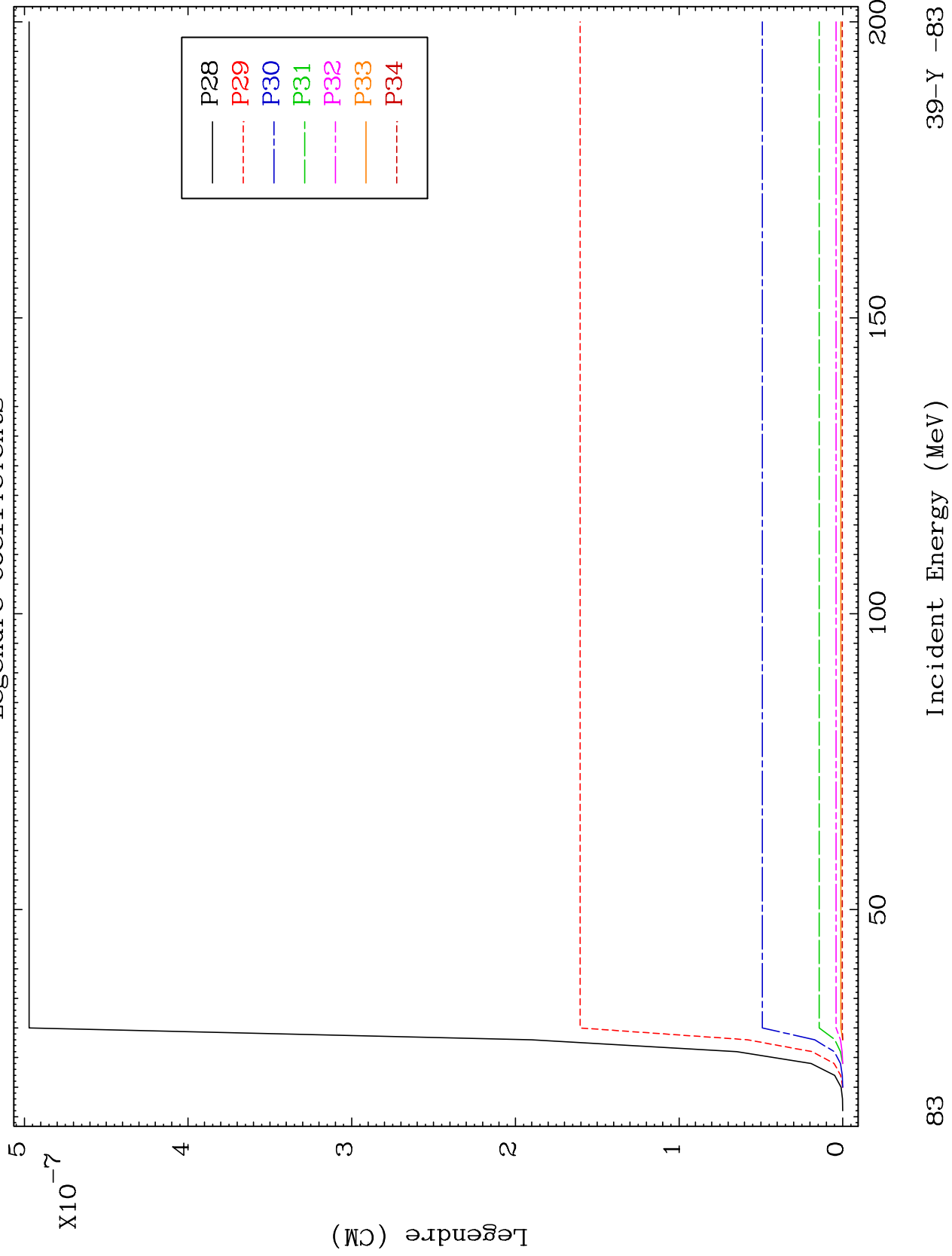
39-Y -83



MAT 3907

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

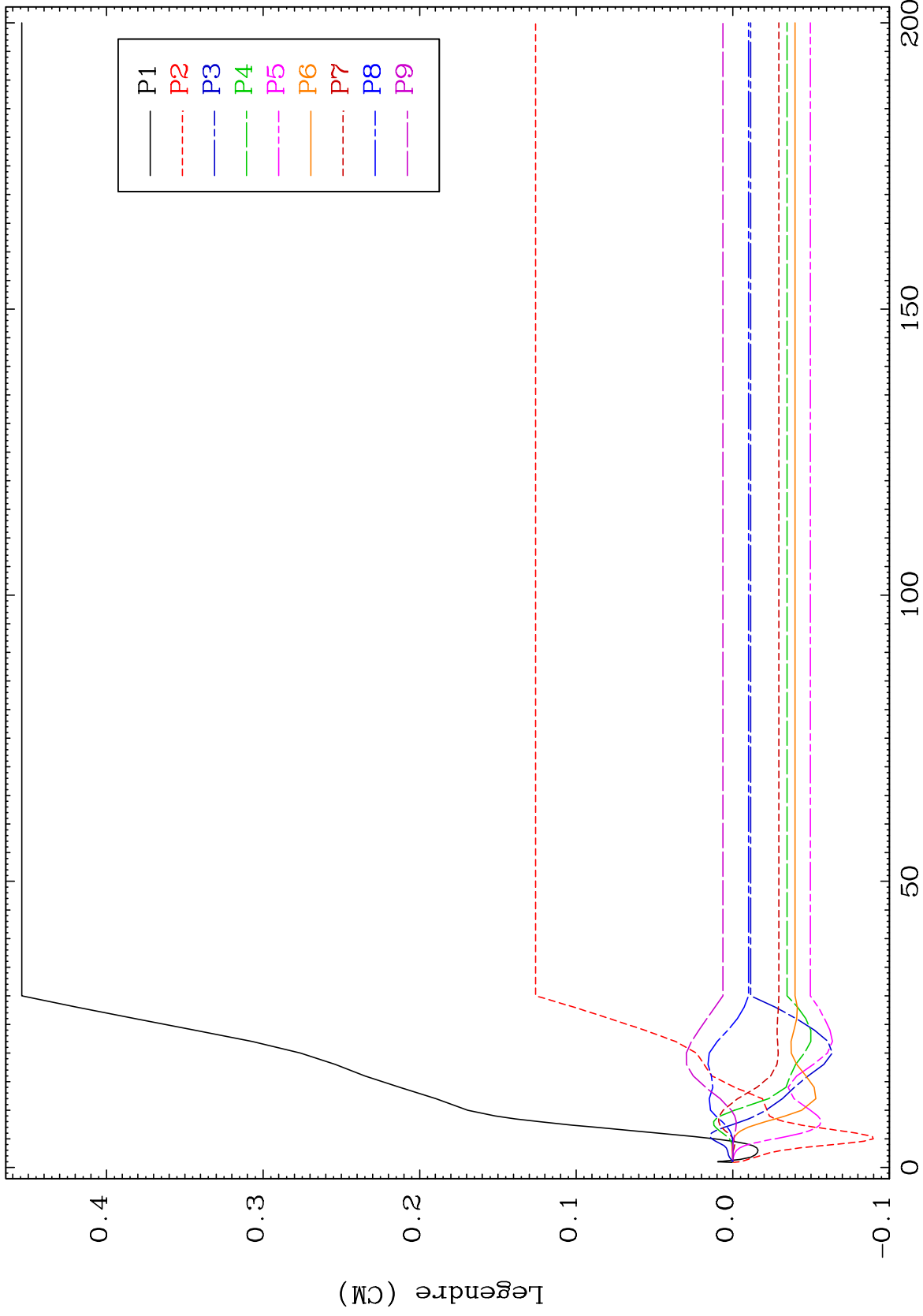
39-Y -83



MAT 3907

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

39-Y -83



84

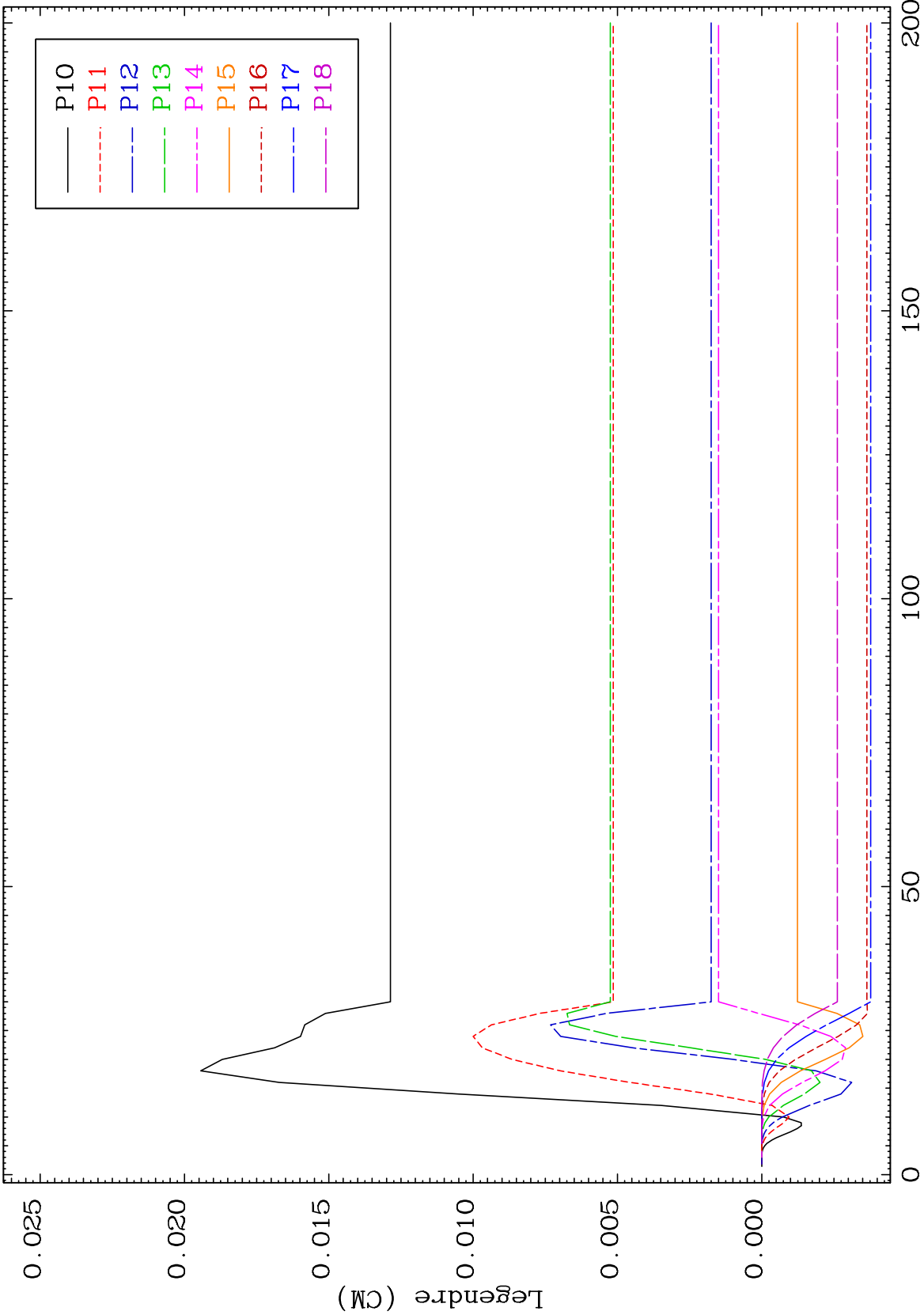
Incident Energy (MeV)

39-Y -83

MAT 3907

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

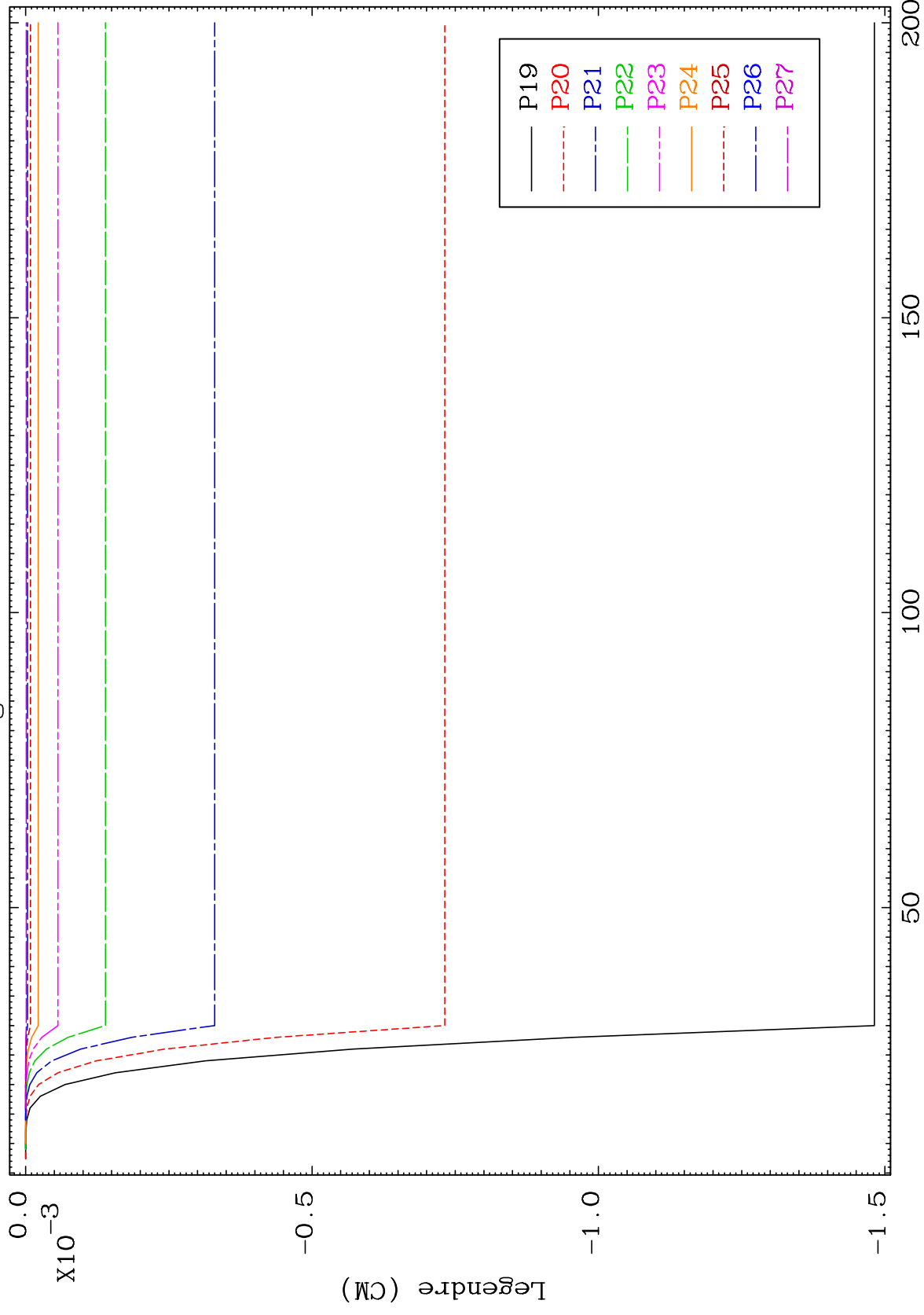
39-Y -83

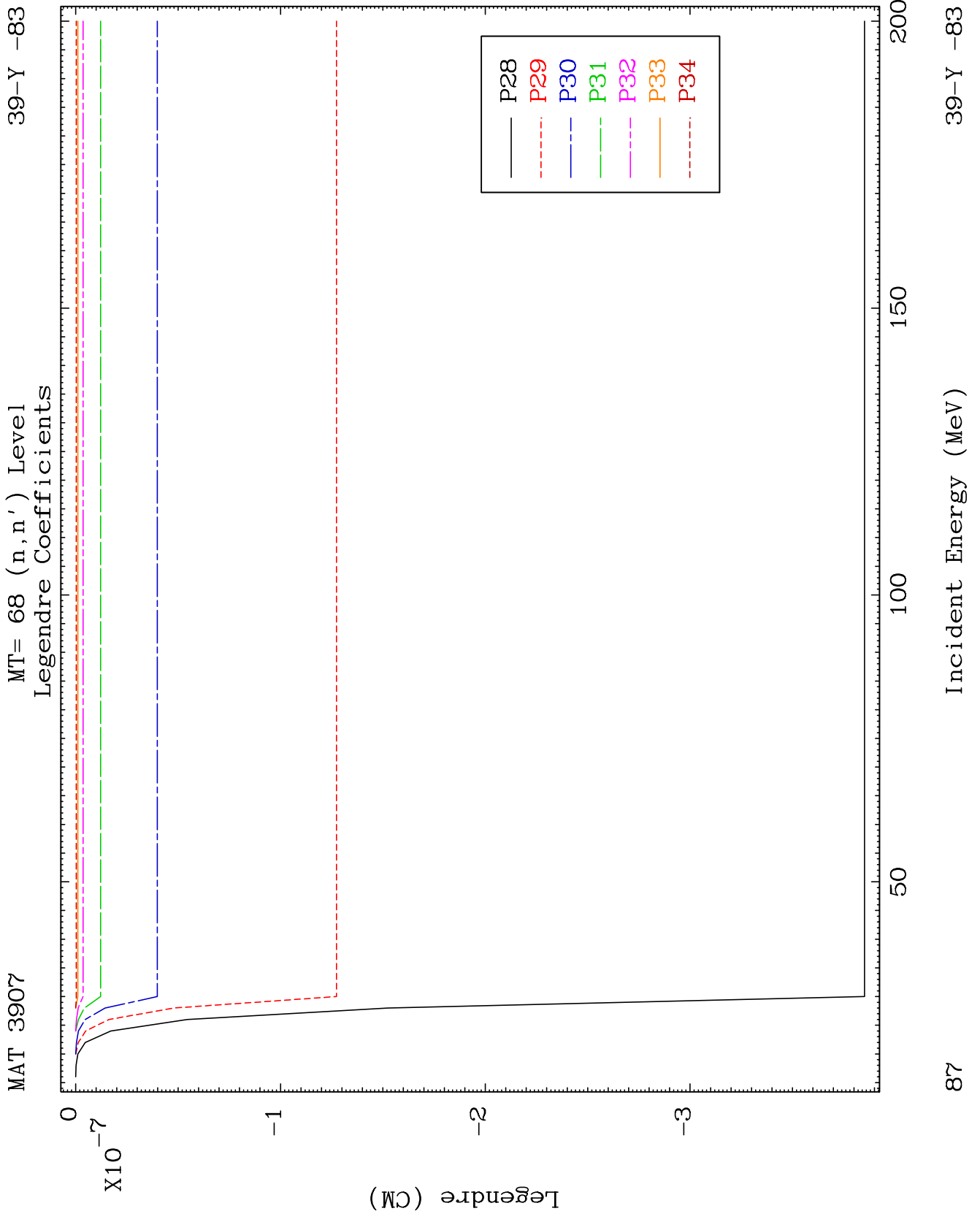


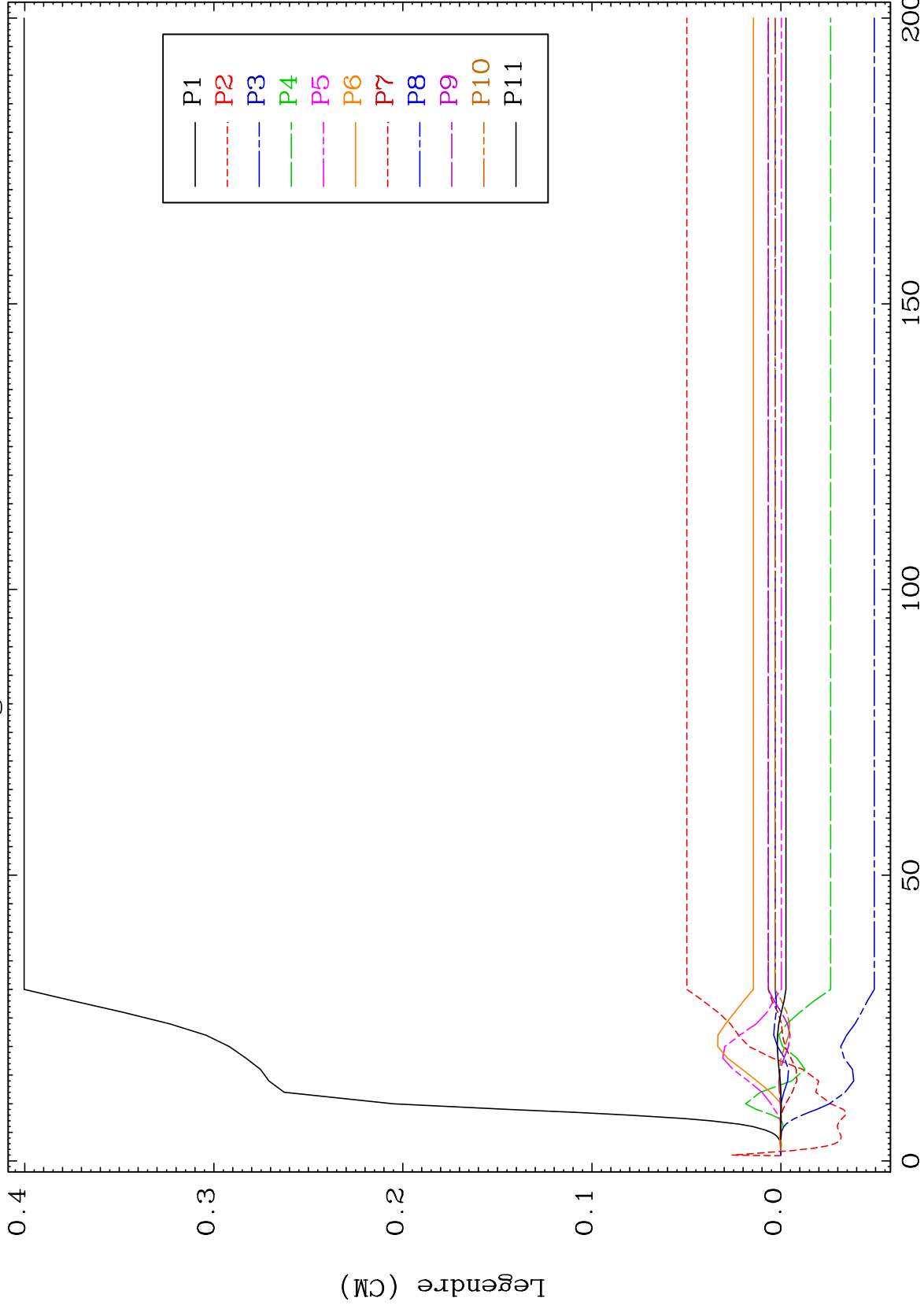
85

Incident Energy (MeV)

39-Y -83



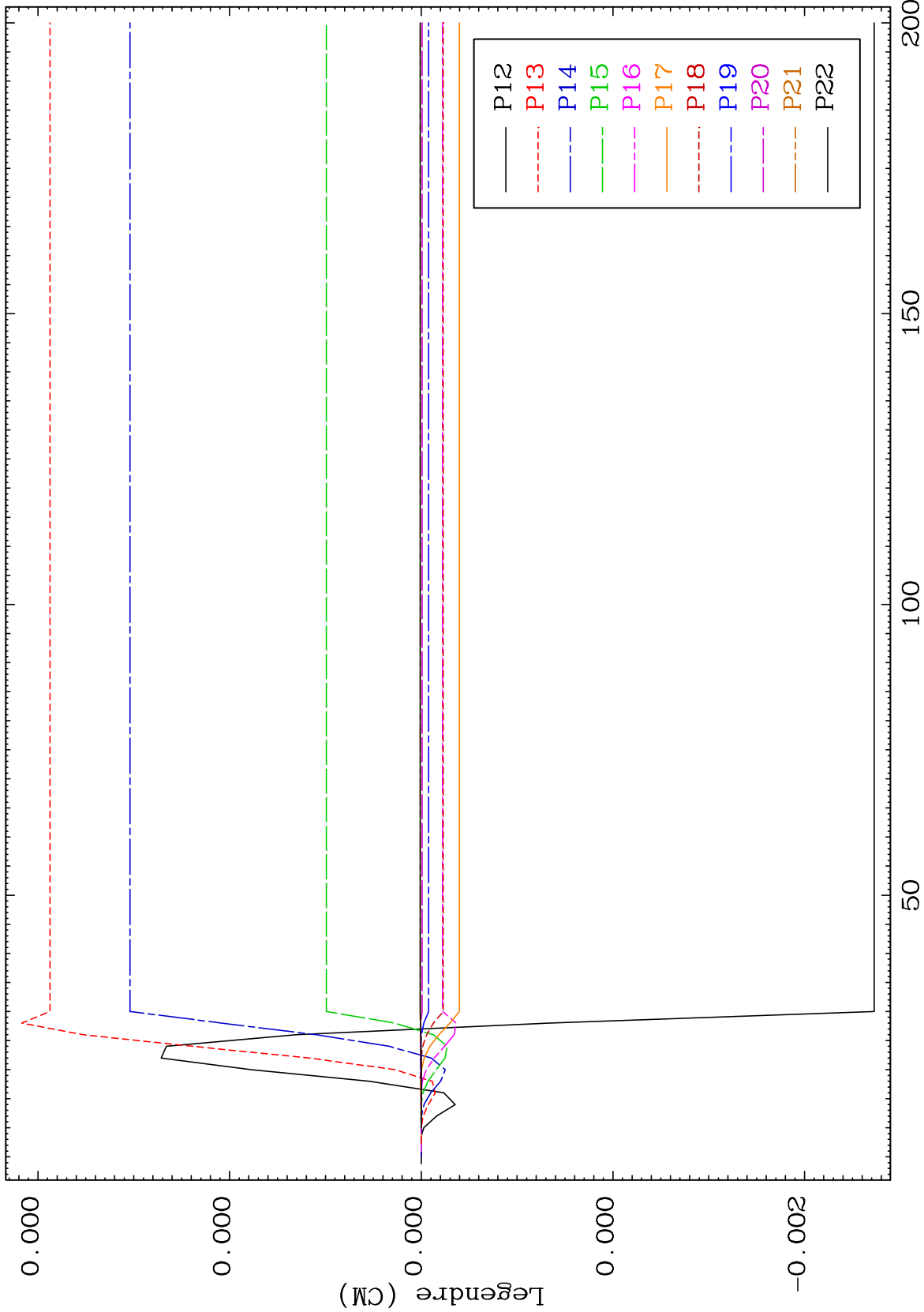




MAT 3907

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

39-Y -83



89

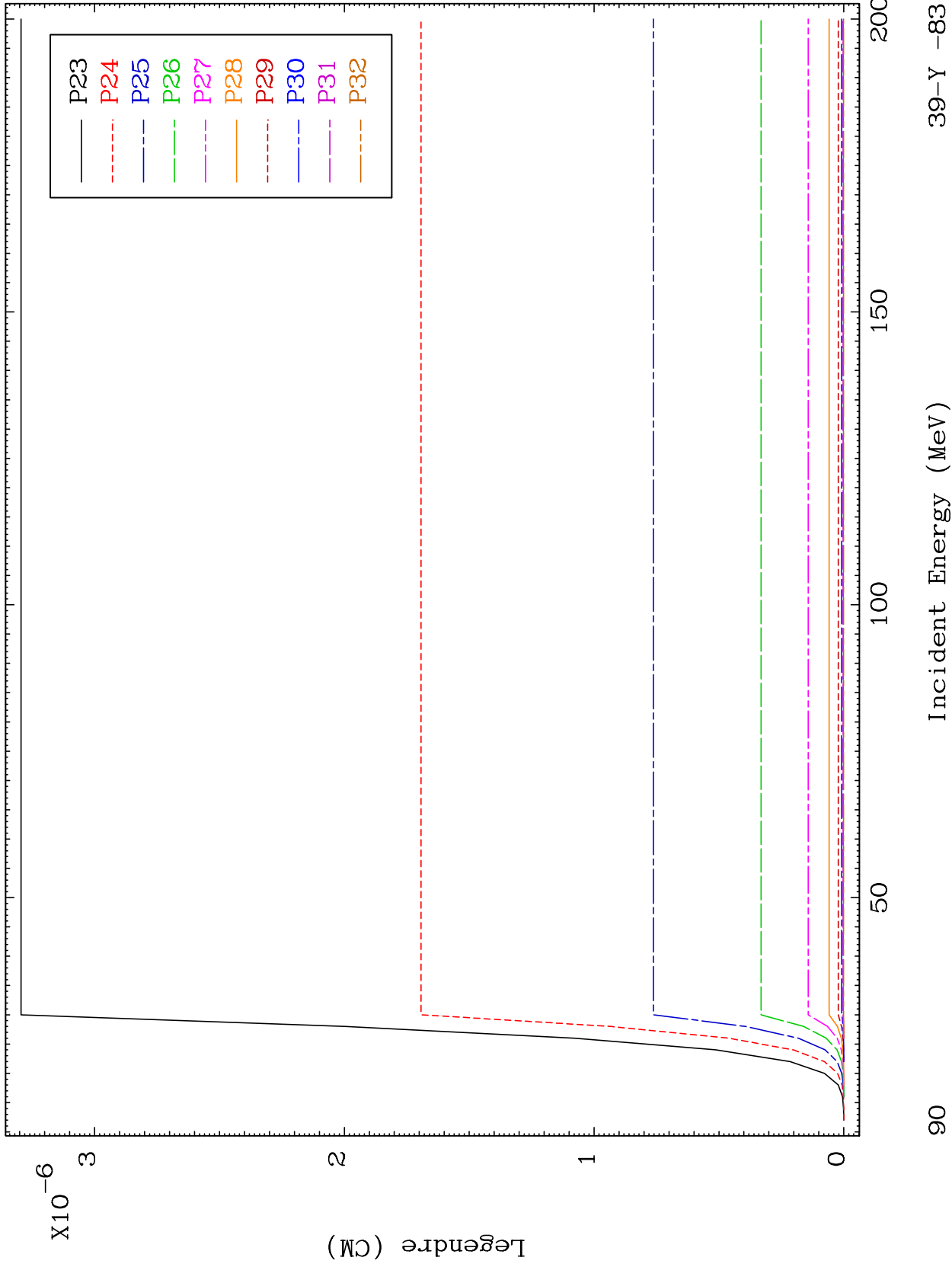
Incident Energy (MeV)

39-Y -83

MAT 3907

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

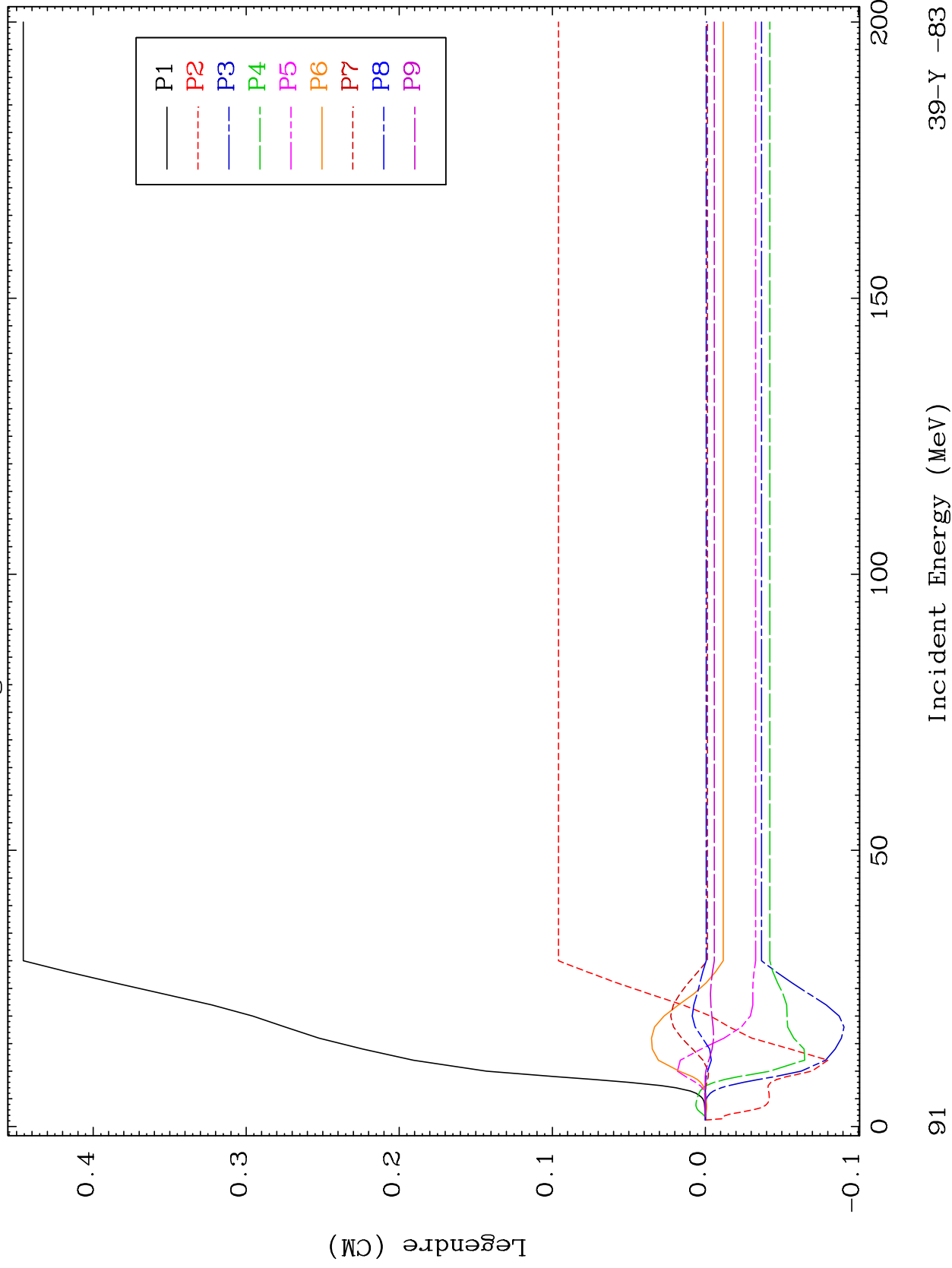
39-Y -83



MAT 3907

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

39-Y -83



91

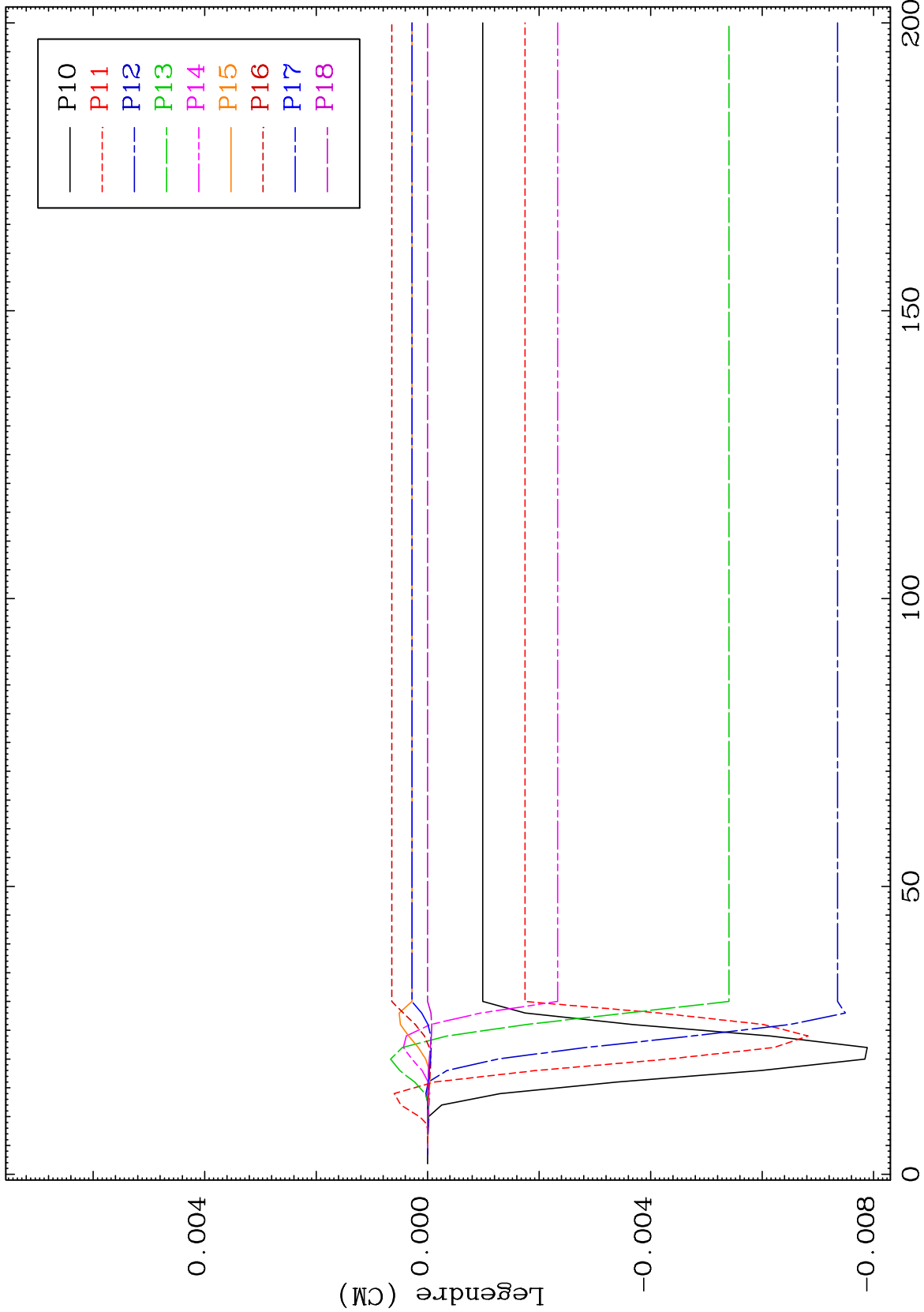
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



92

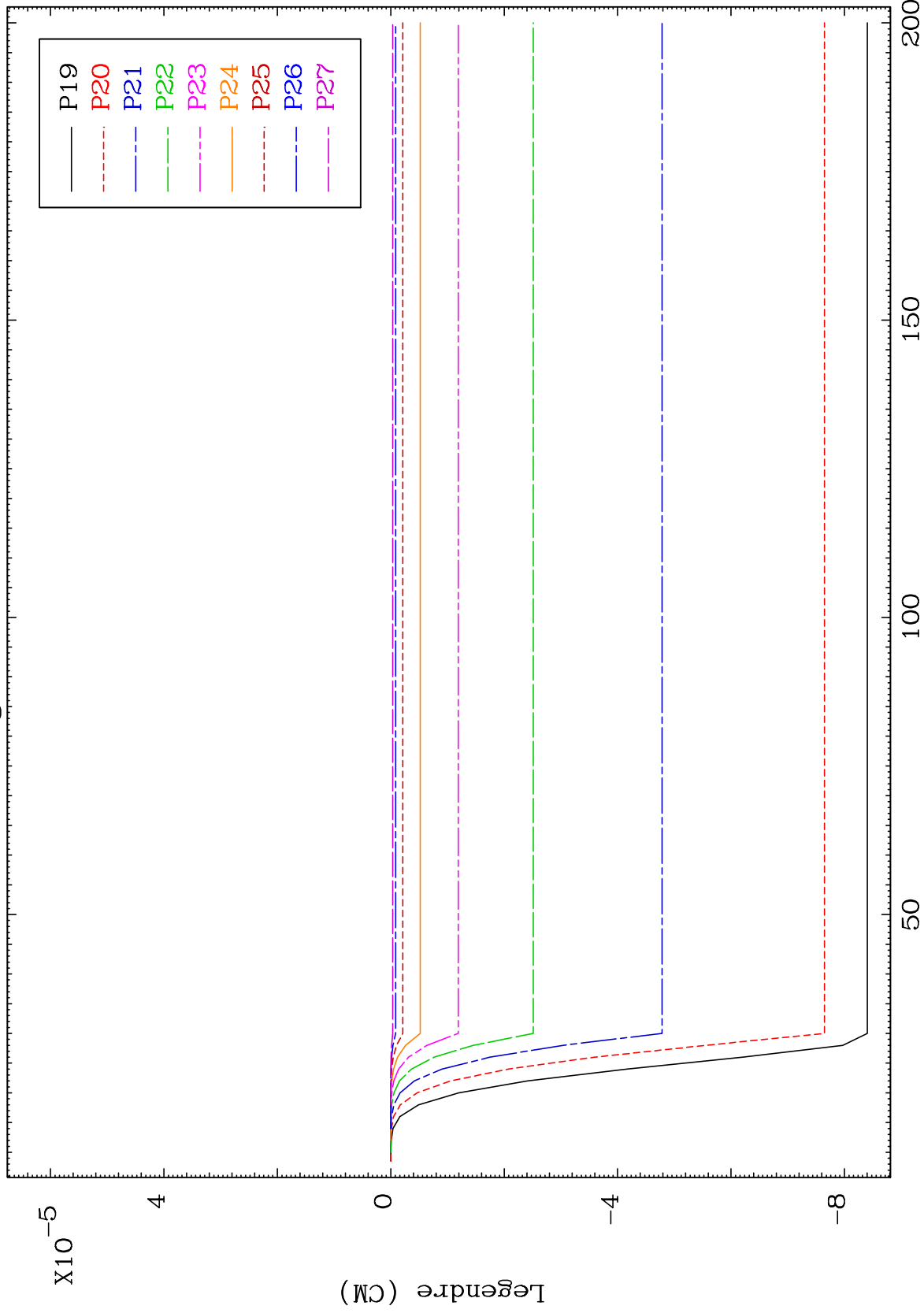
Incident Energy (MeV)

39-Y -83

MAT 3907

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

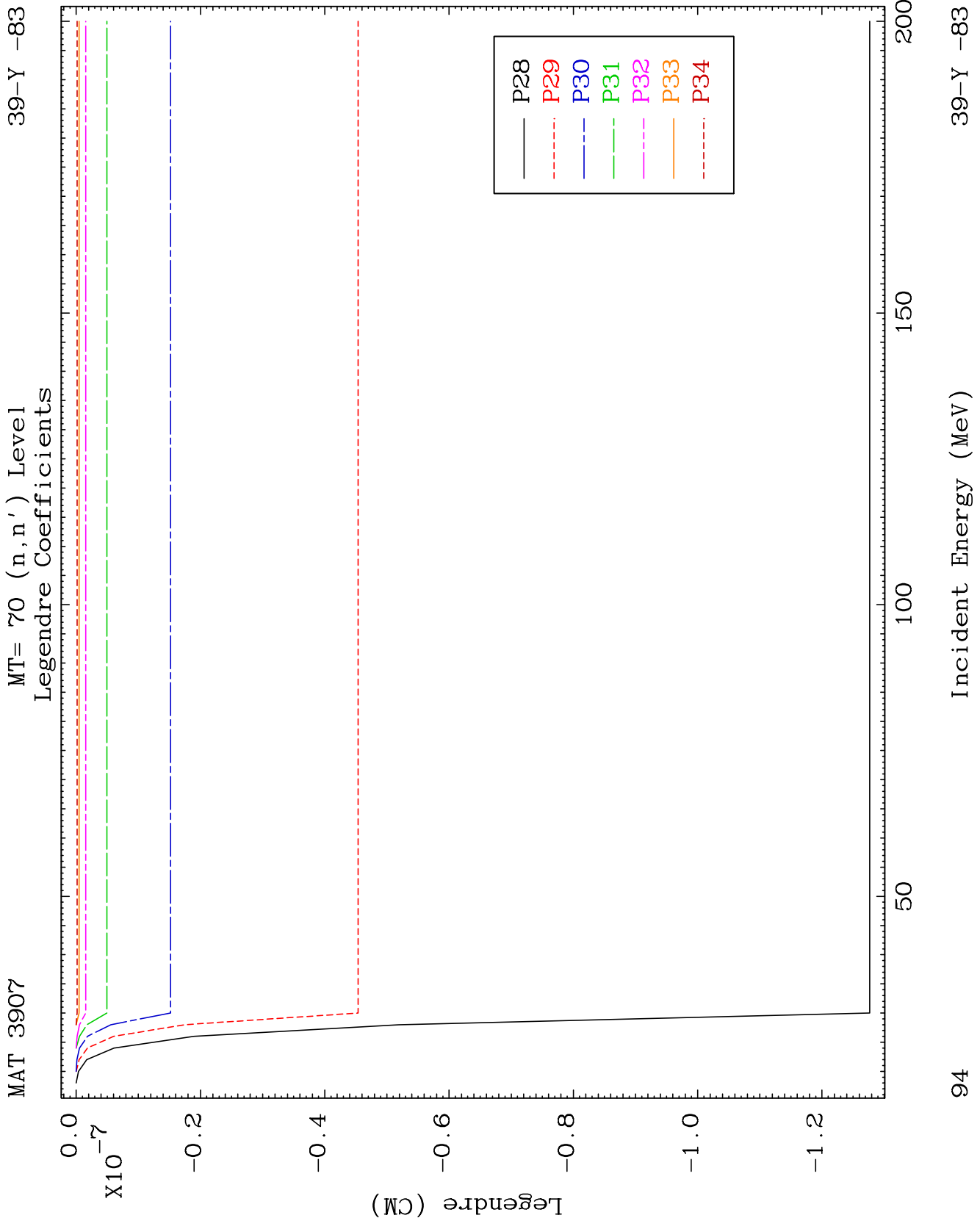
39-Y -83



93

Incident Energy (MeV)

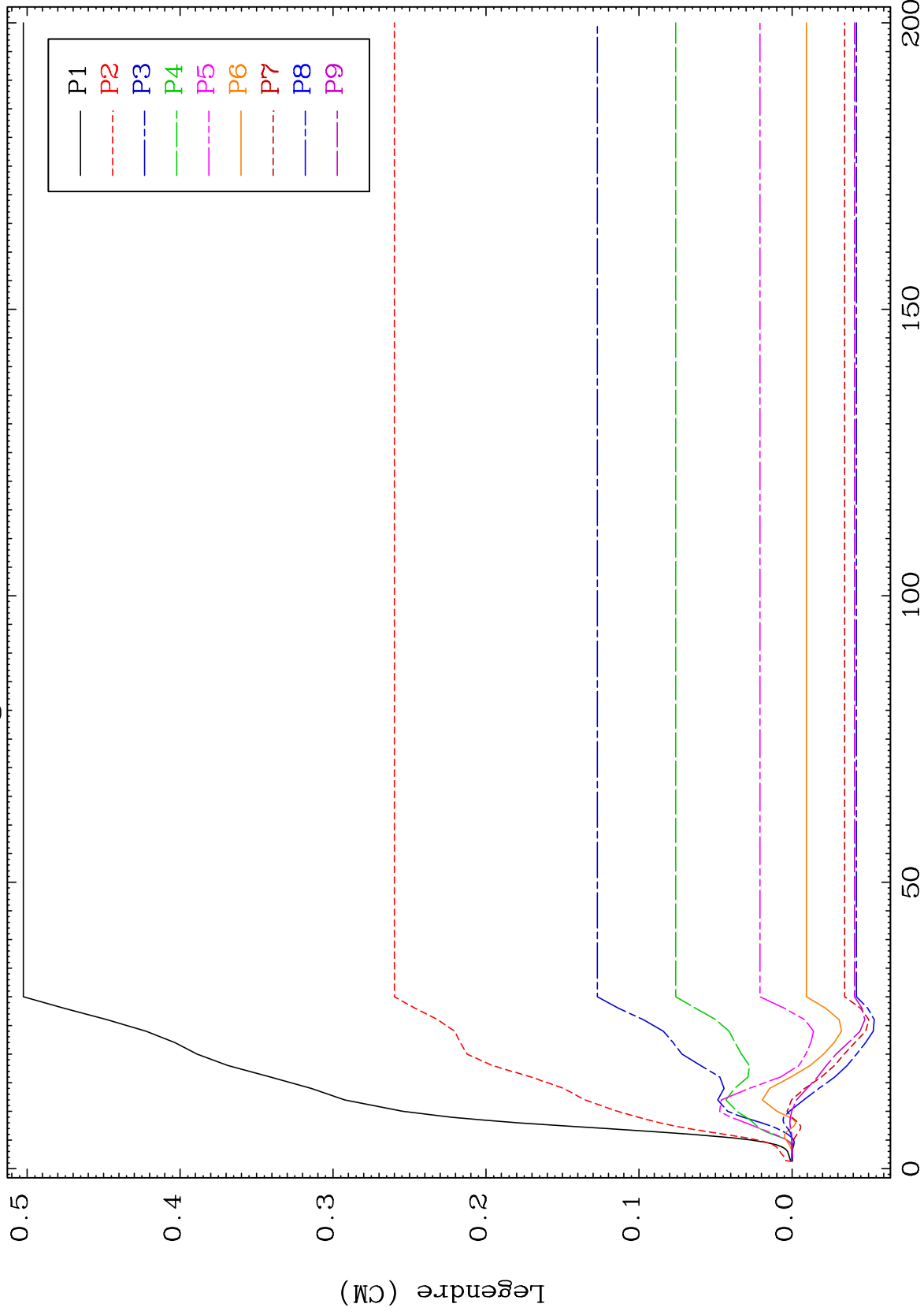
39-Y -83



MAT 3907

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

39-Y -83



95

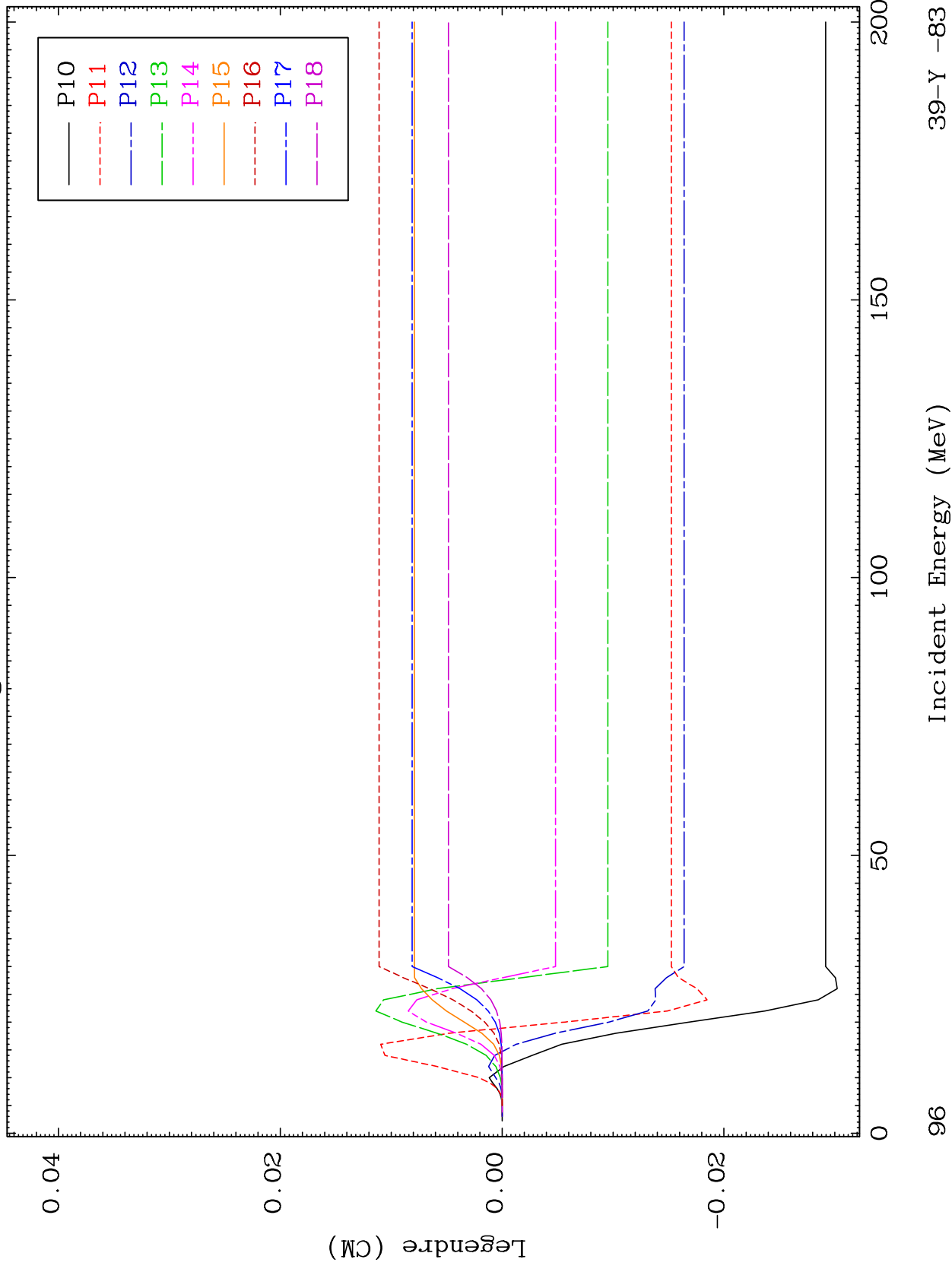
Incident Energy (MeV)

39-Y -83

MAT 3907

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

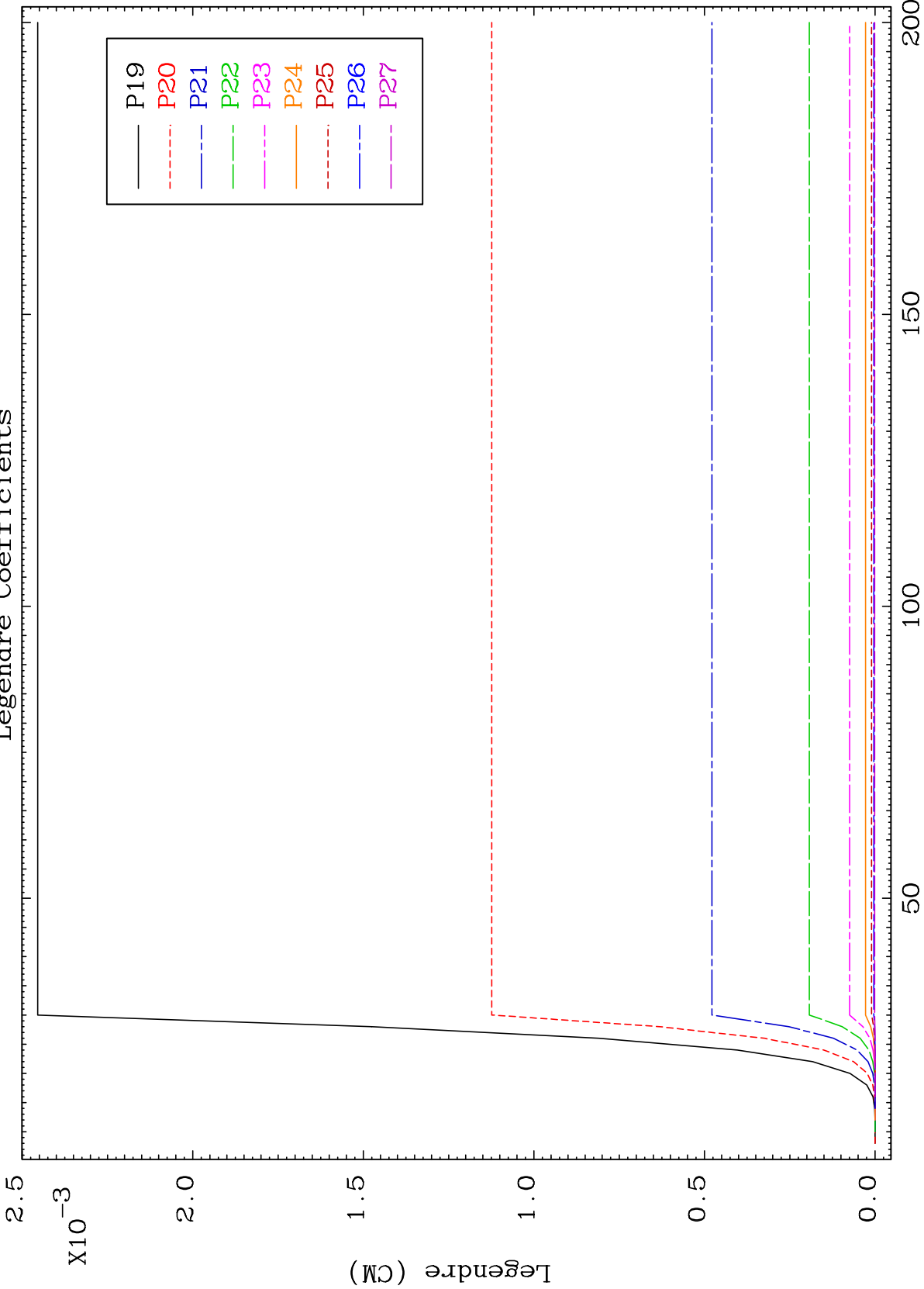
39-Y -83



96

Incident Energy (MeV)

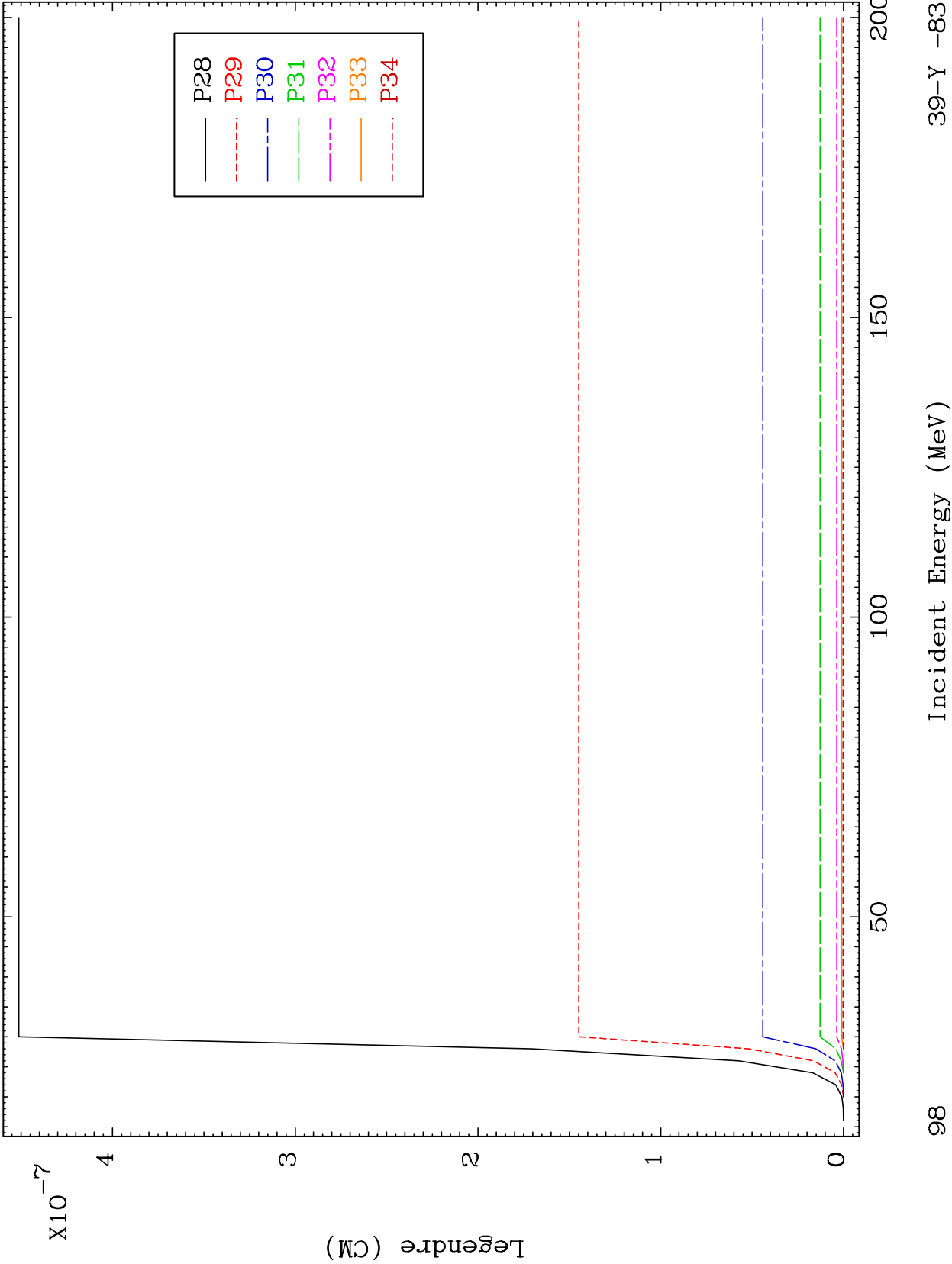
39-Y -83



MAT 3907

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

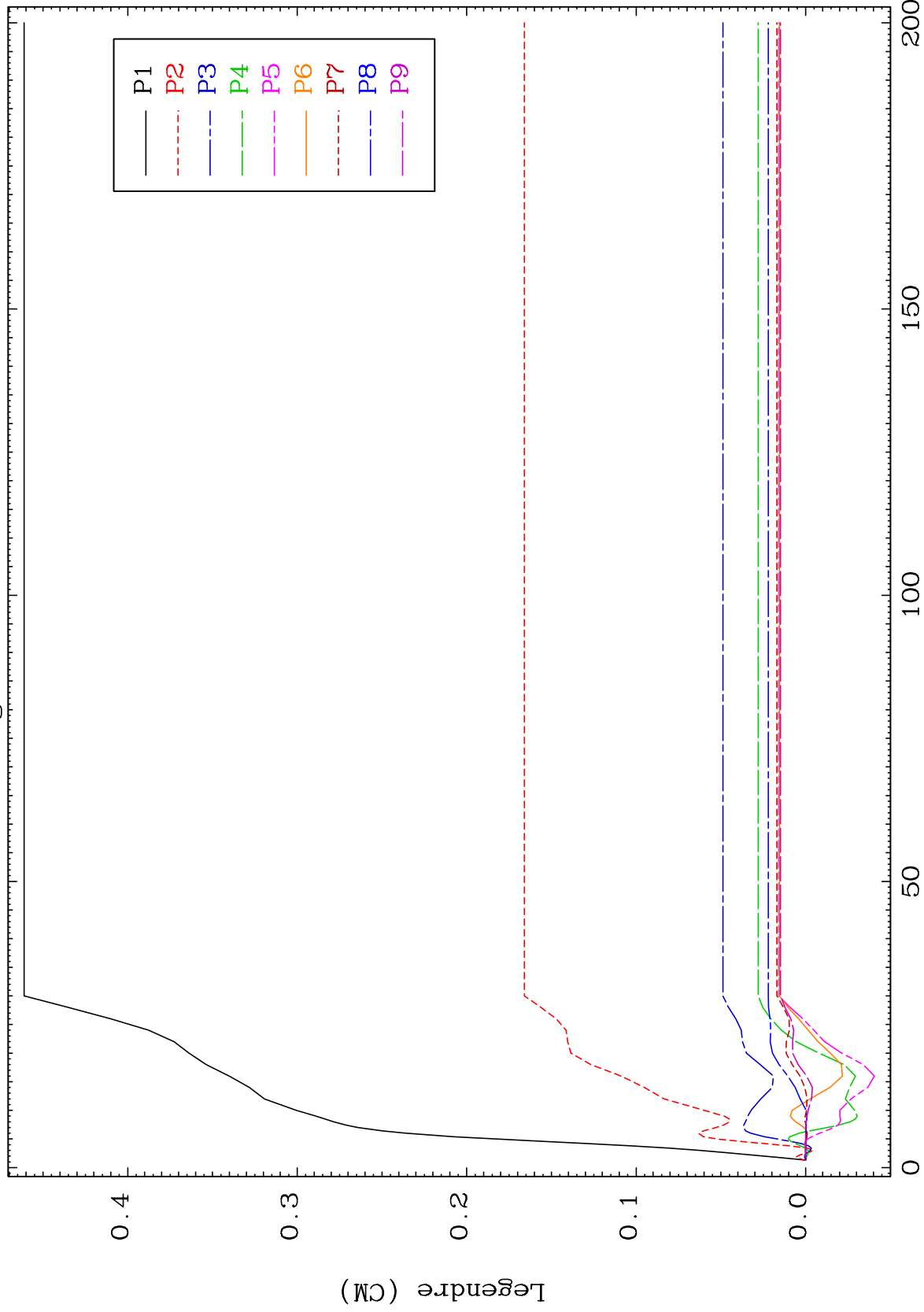
39-Y -83



MAT 3907

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

39-Y -83



99

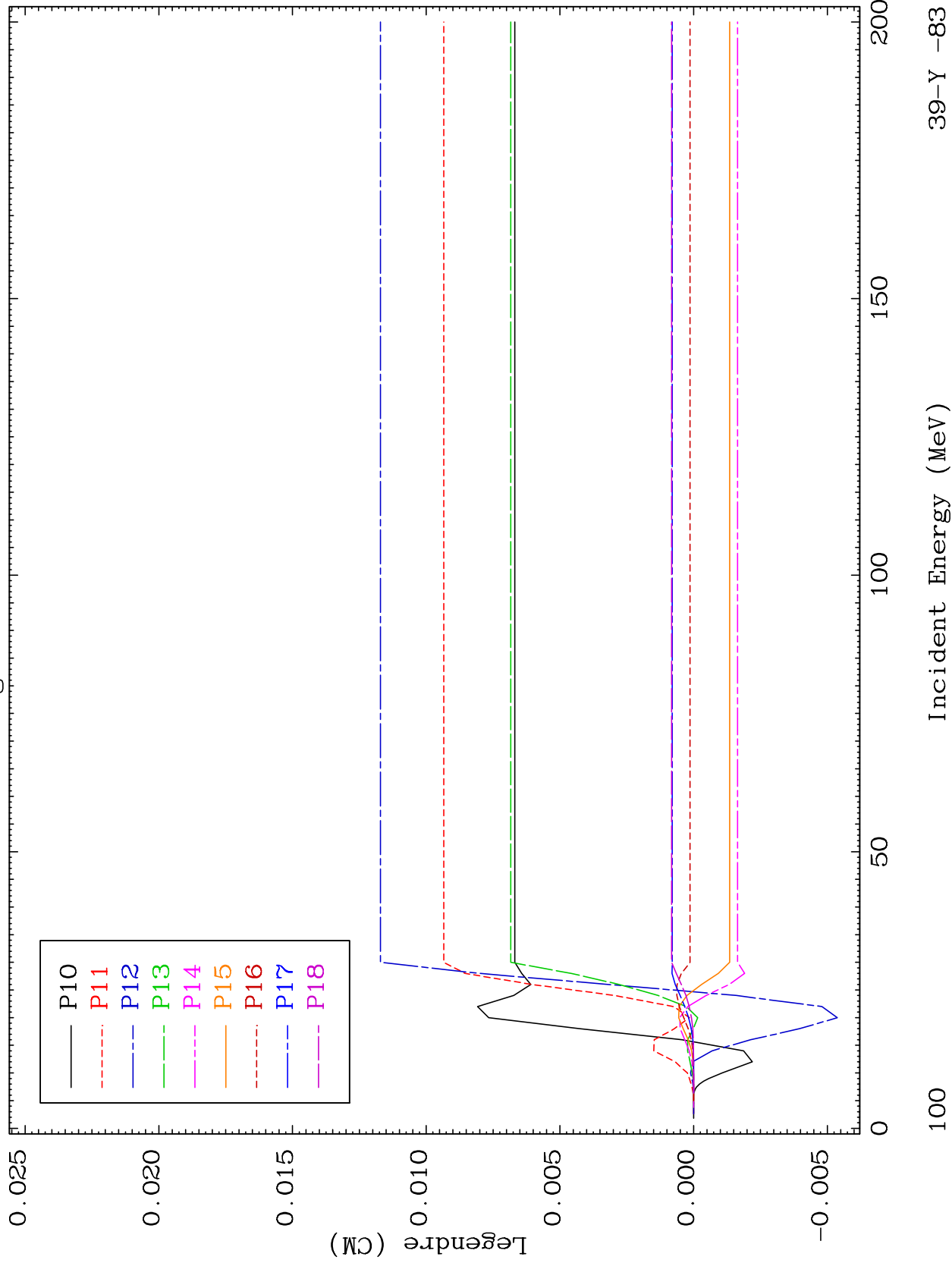
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



39-Y -83

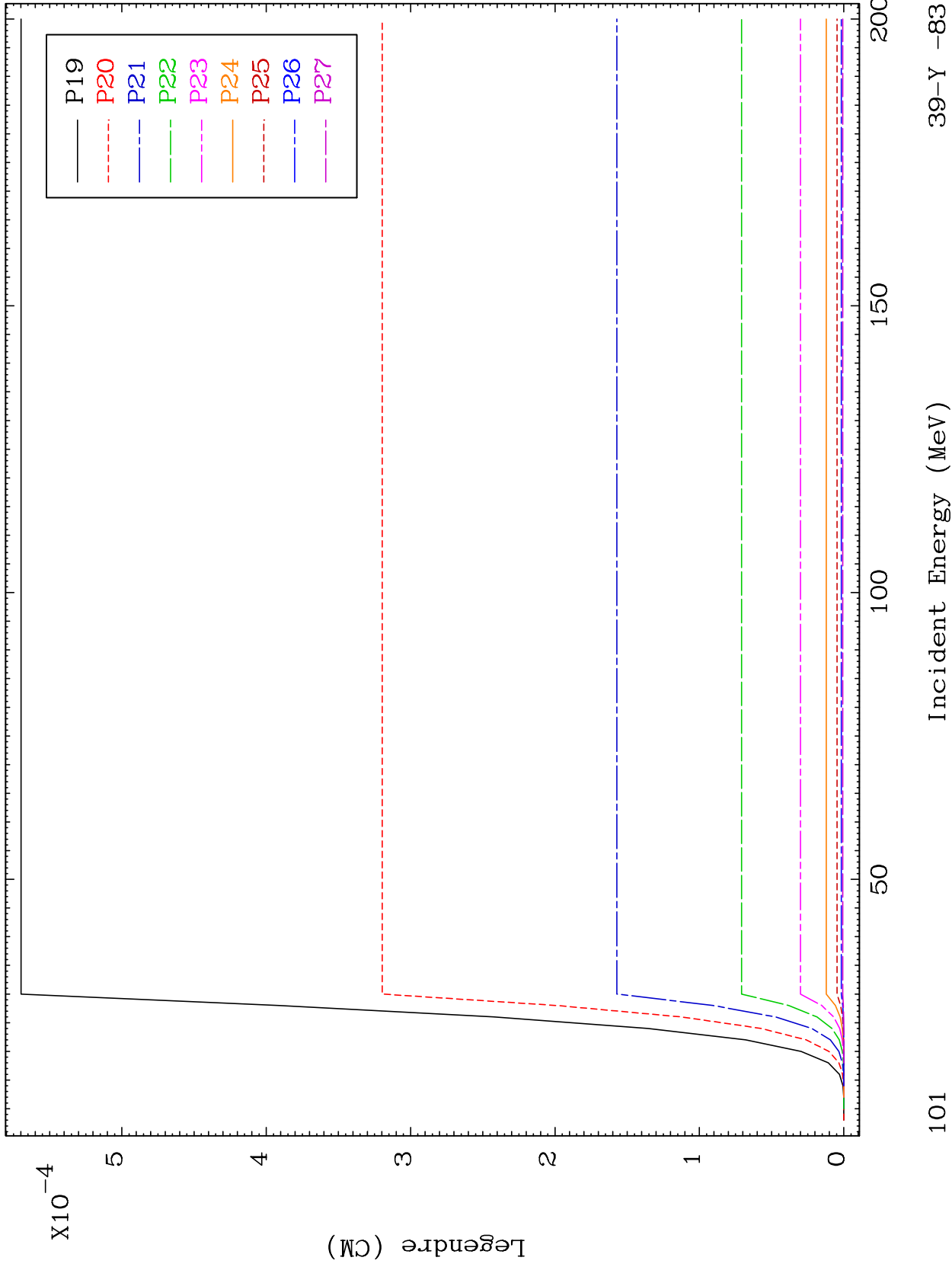
Incident Energy (MeV)

100

MAT 3907

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

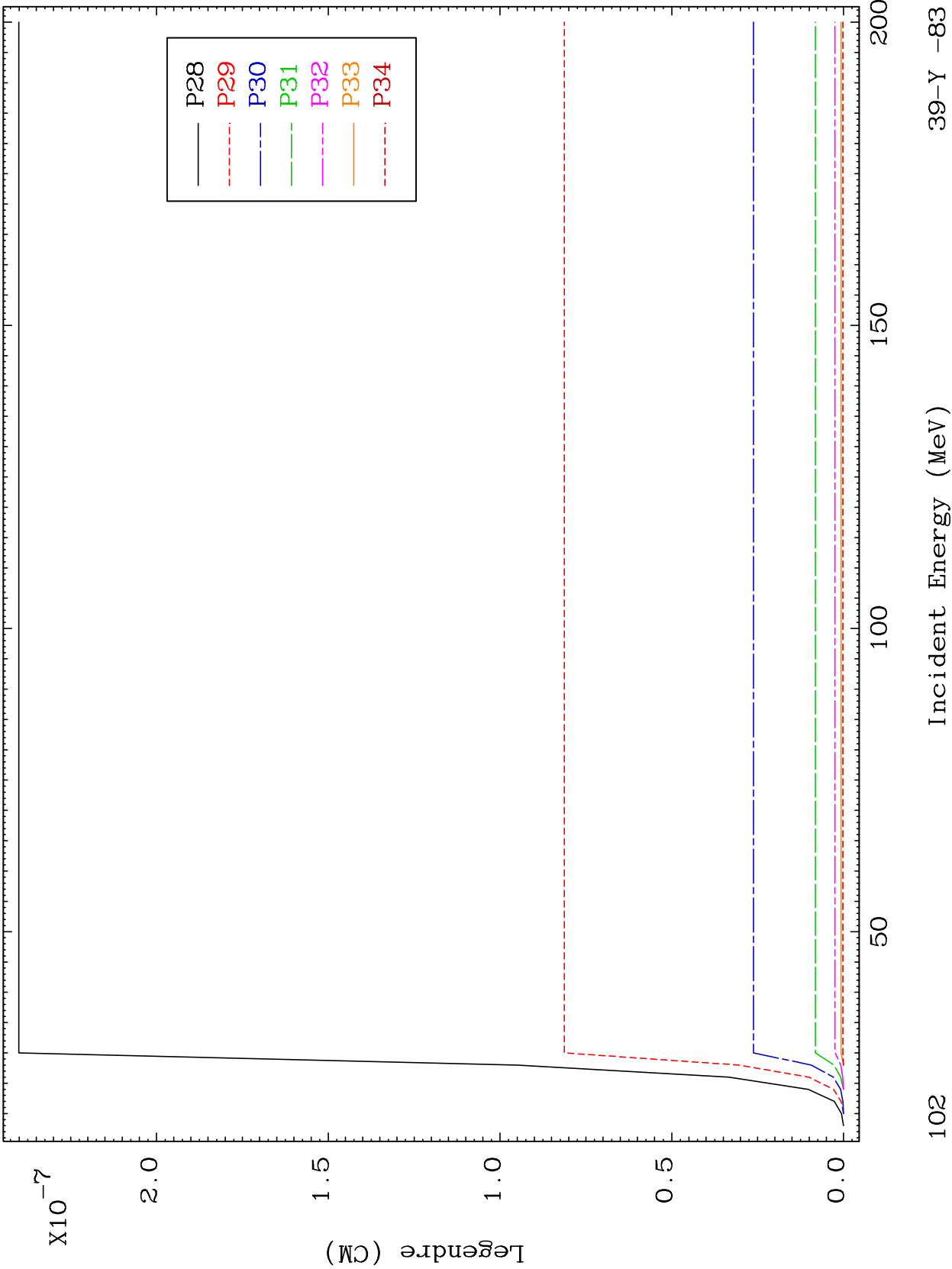
39-Y -83



MAT 3907

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

39-Y -83



102

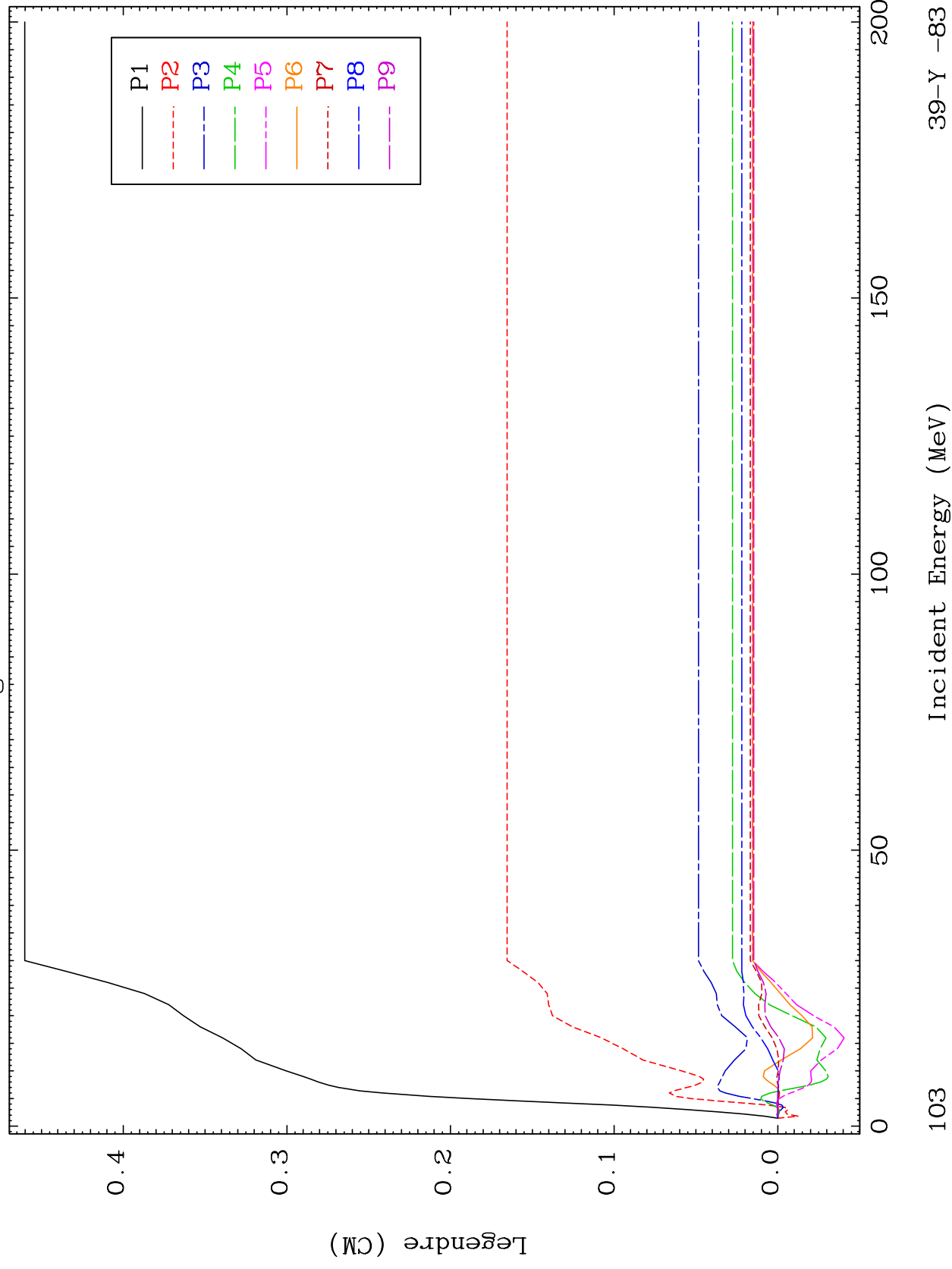
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



103

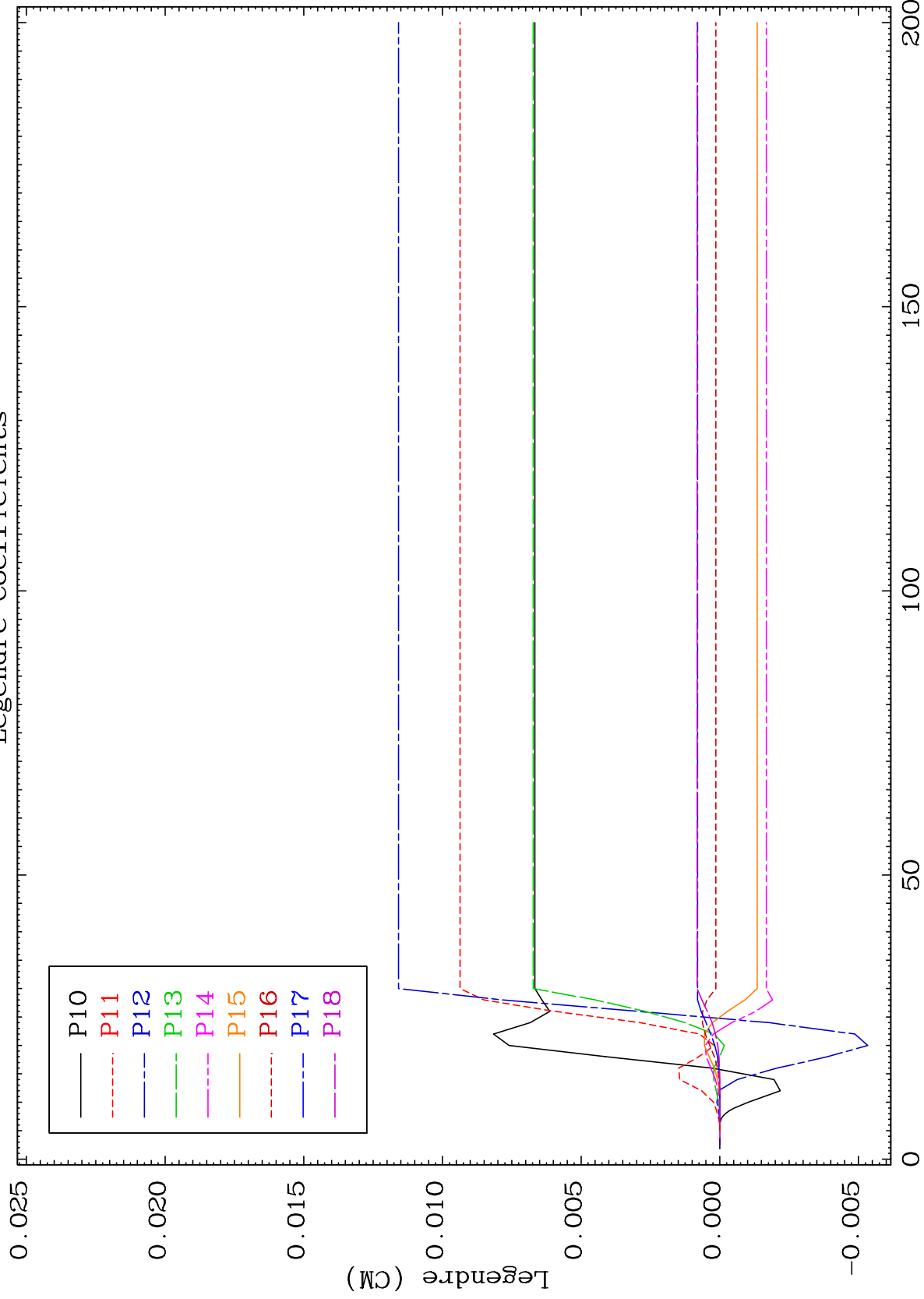
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



104

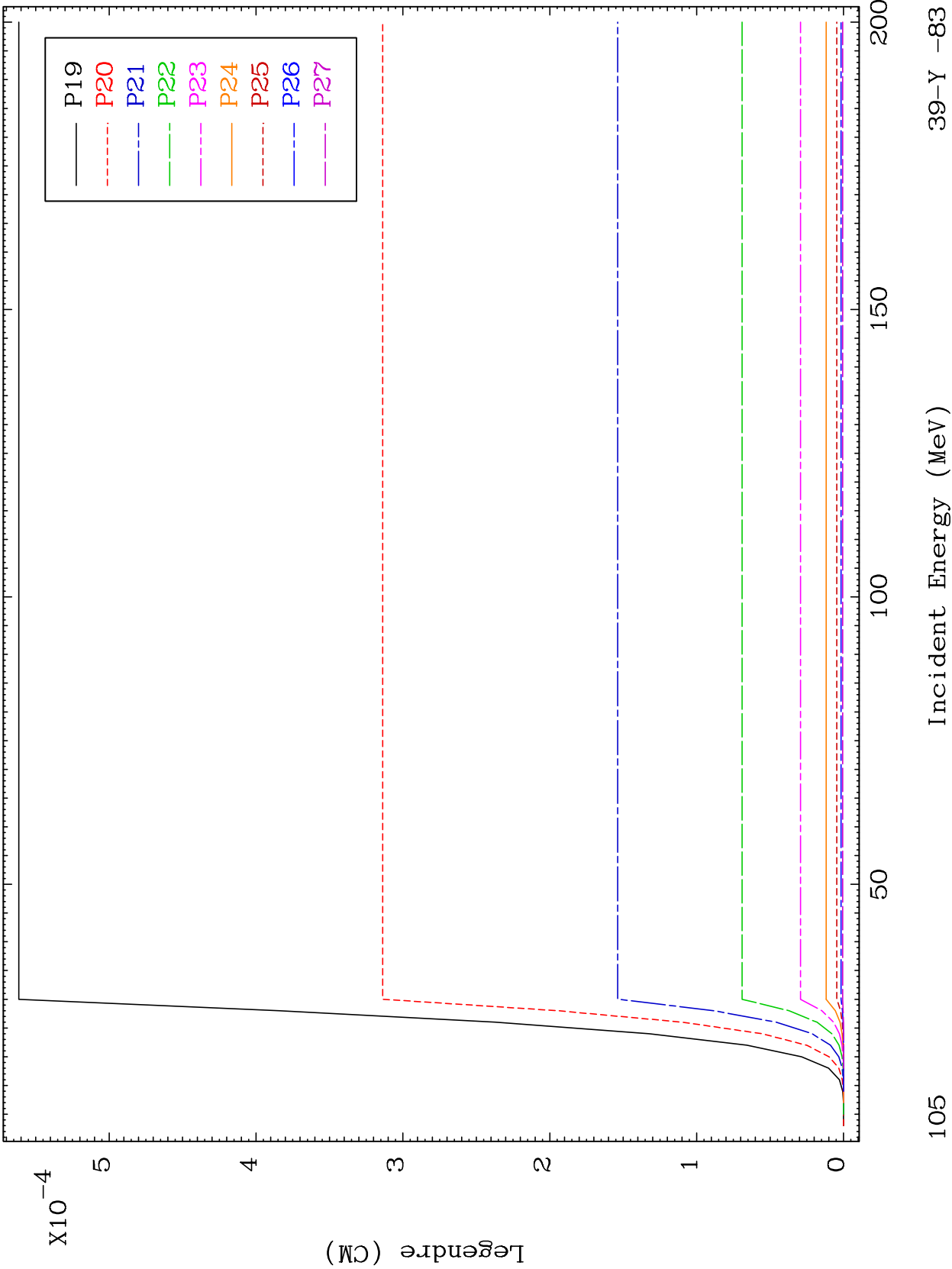
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



105

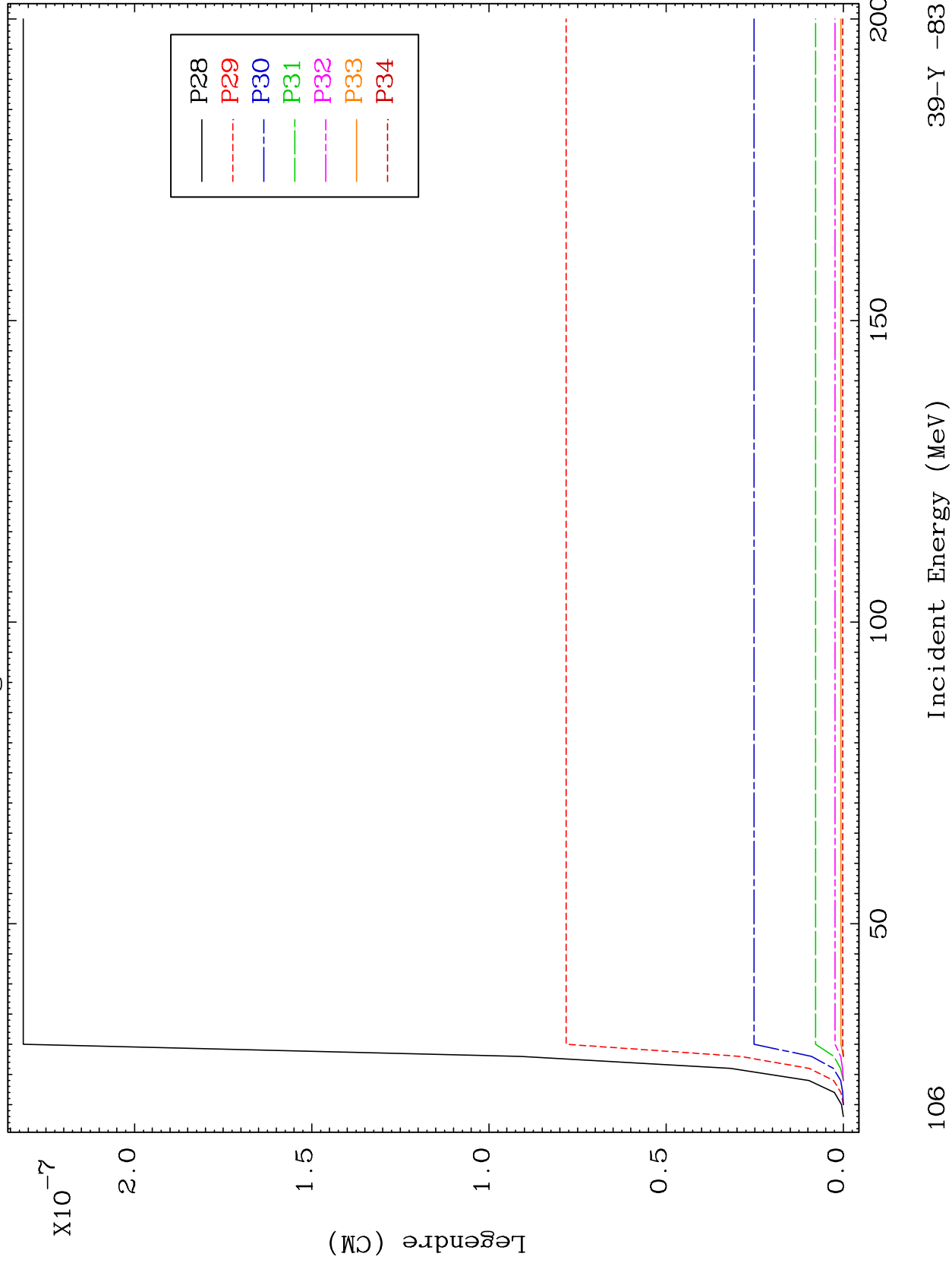
Incident Energy (MeV)

39-Y -83

MAT 3907

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

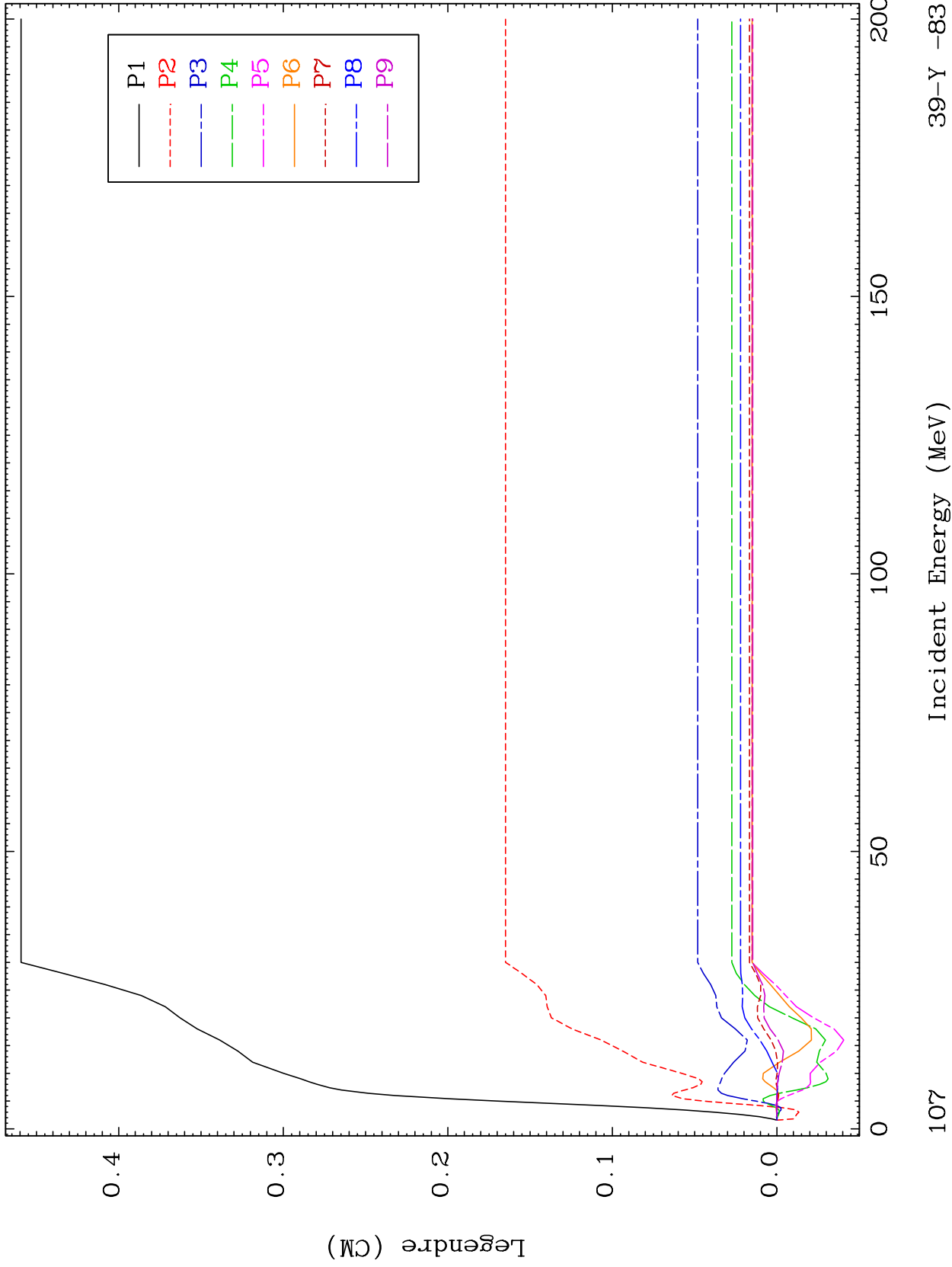
39-Y -83



MAT 3907

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

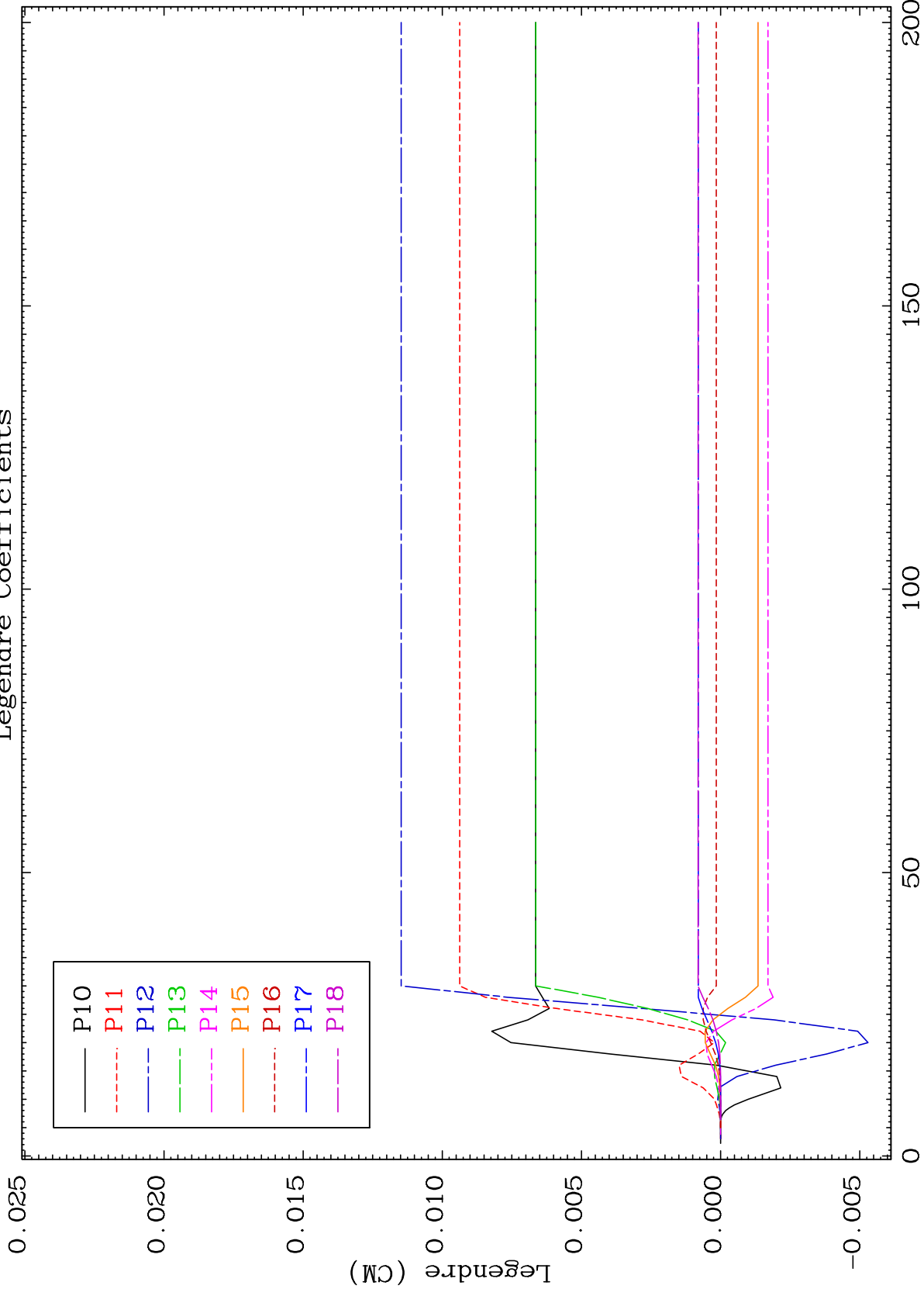
39-Y -83



39-Y -83

Incident Energy (MeV)

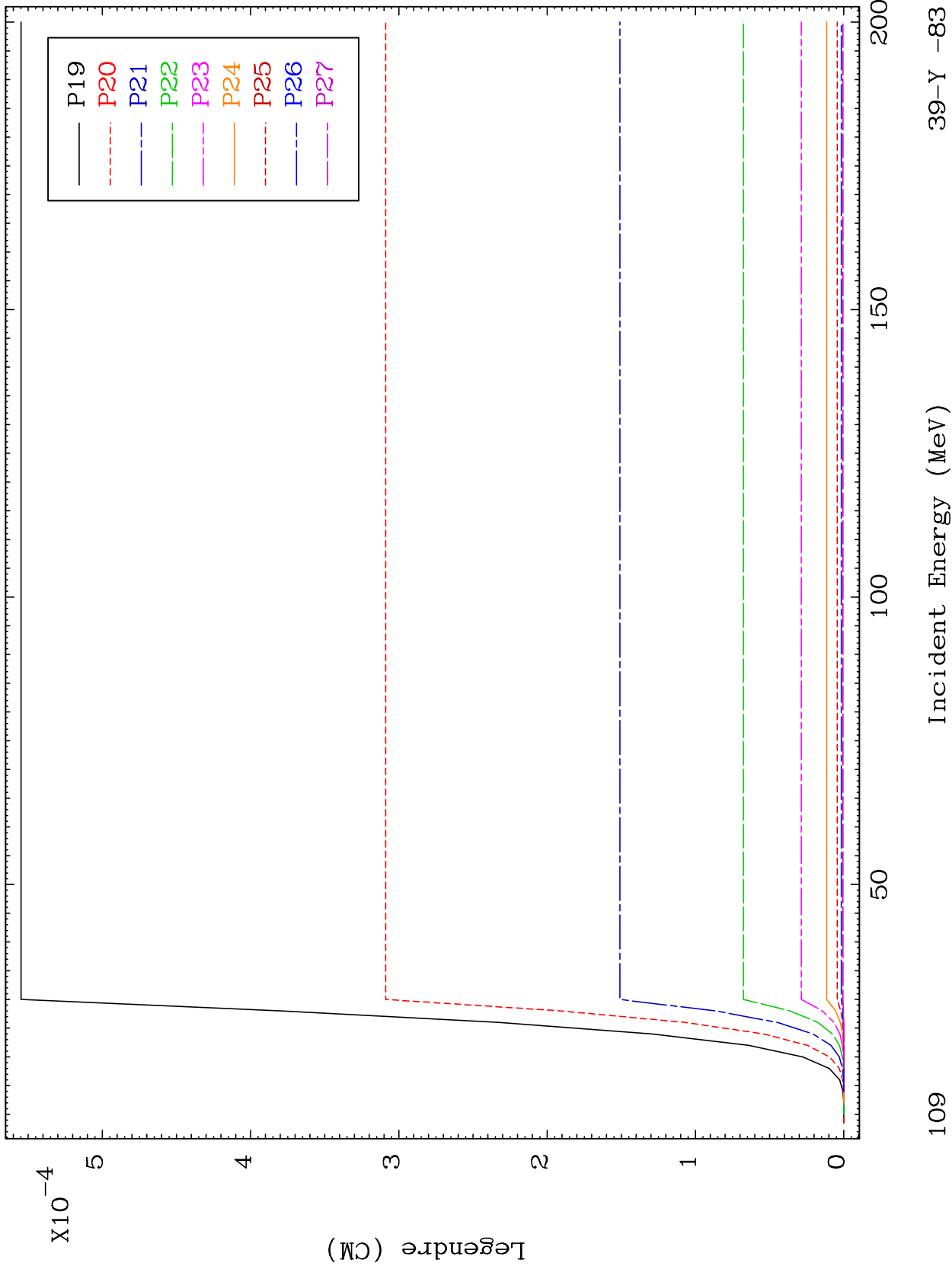
107



MAT 3907

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

39-Y -83



109

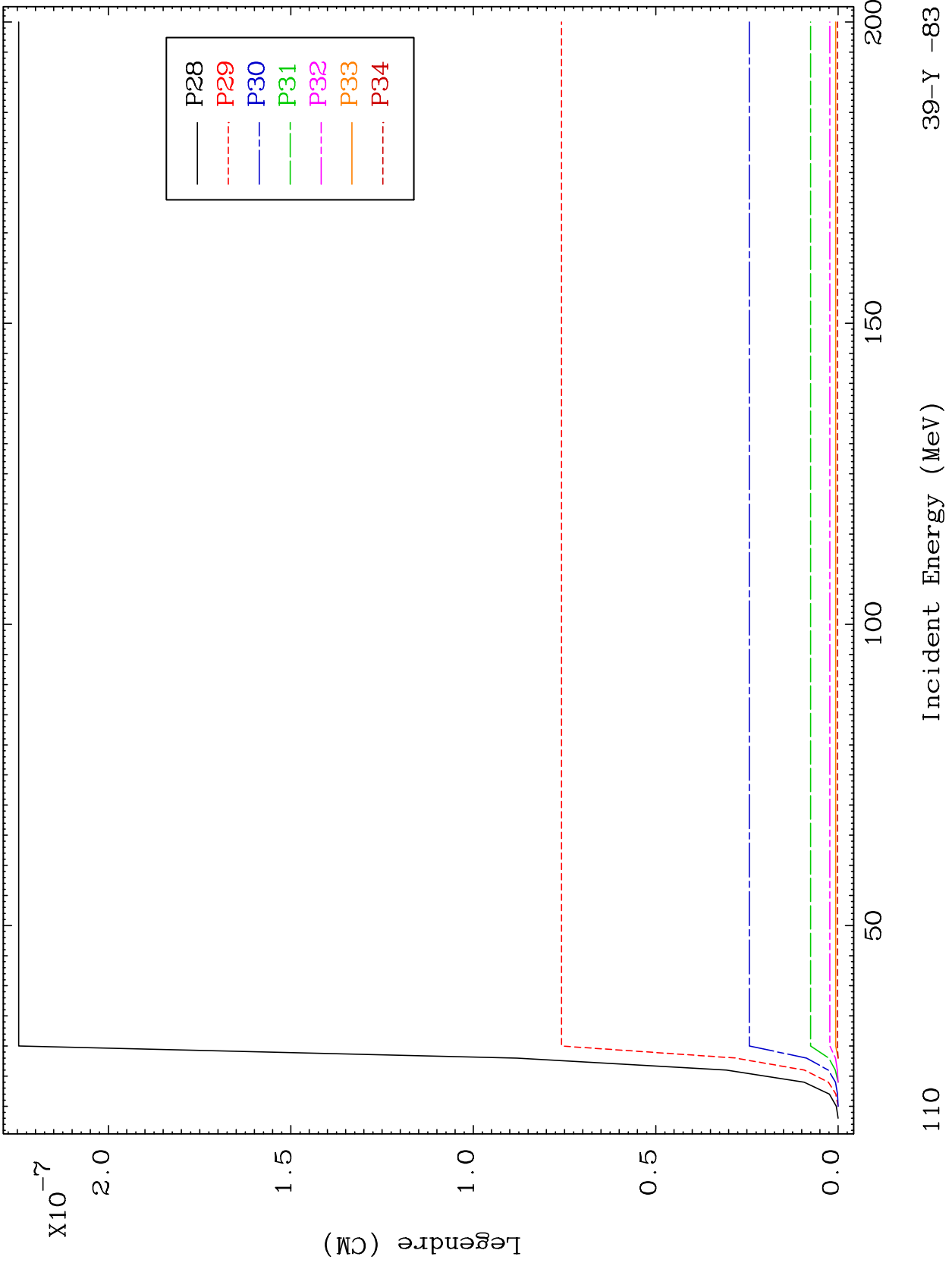
Incident Energy (MeV)

39-Y -83

MAT 3907

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

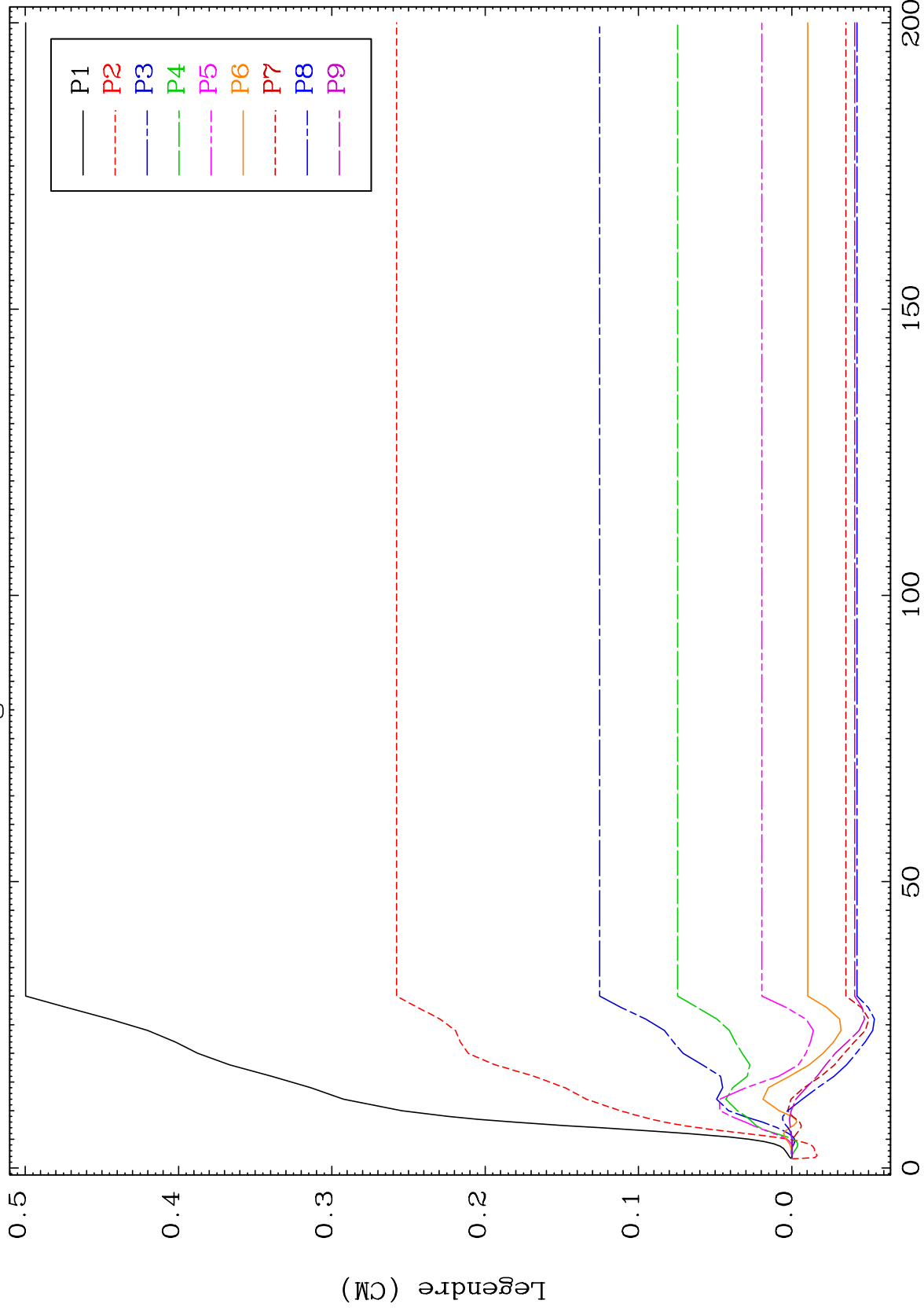
39-Y -83



39-Y -83

Incident Energy (MeV)

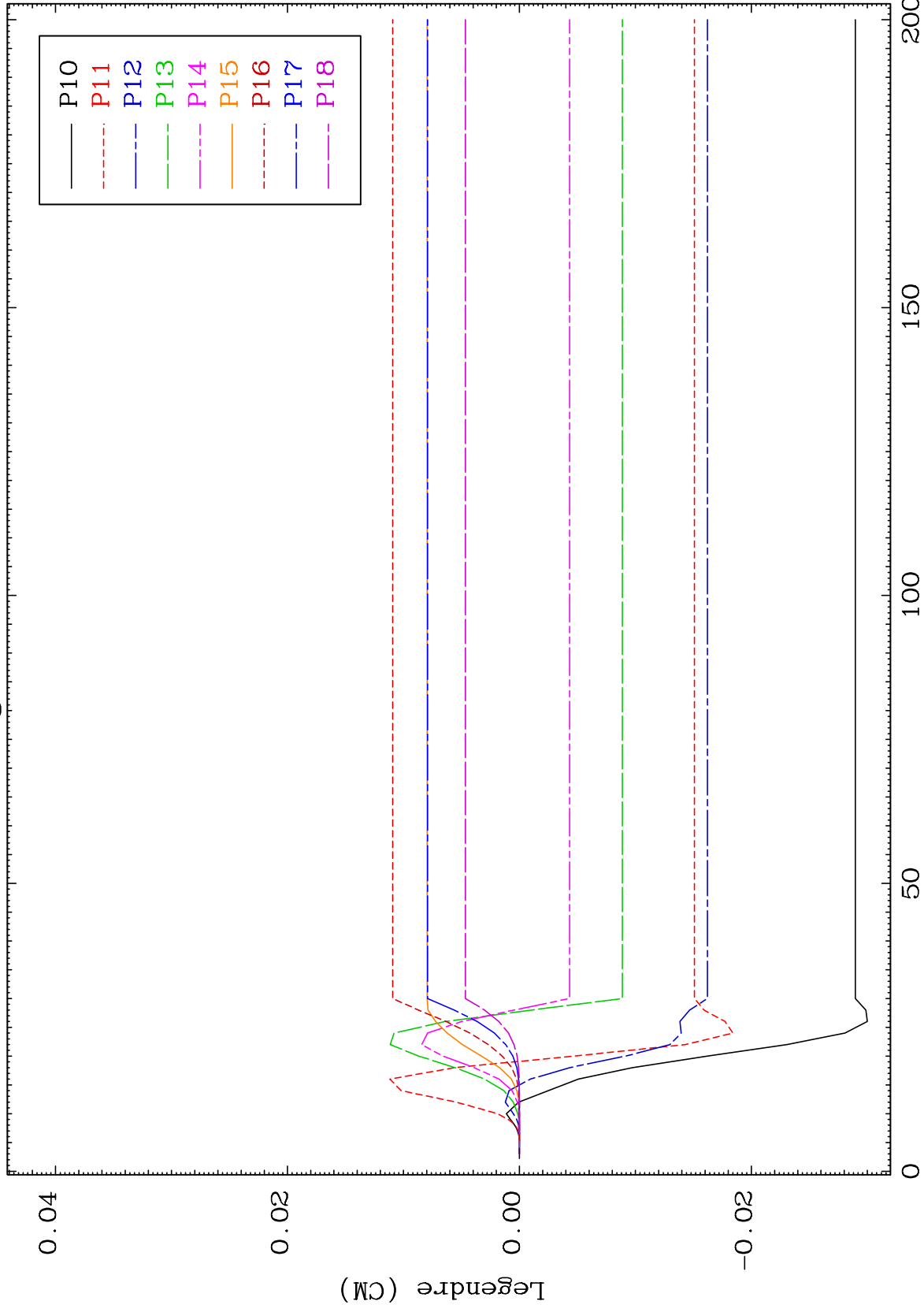
110



MAT 3907

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

39-Y -83



112

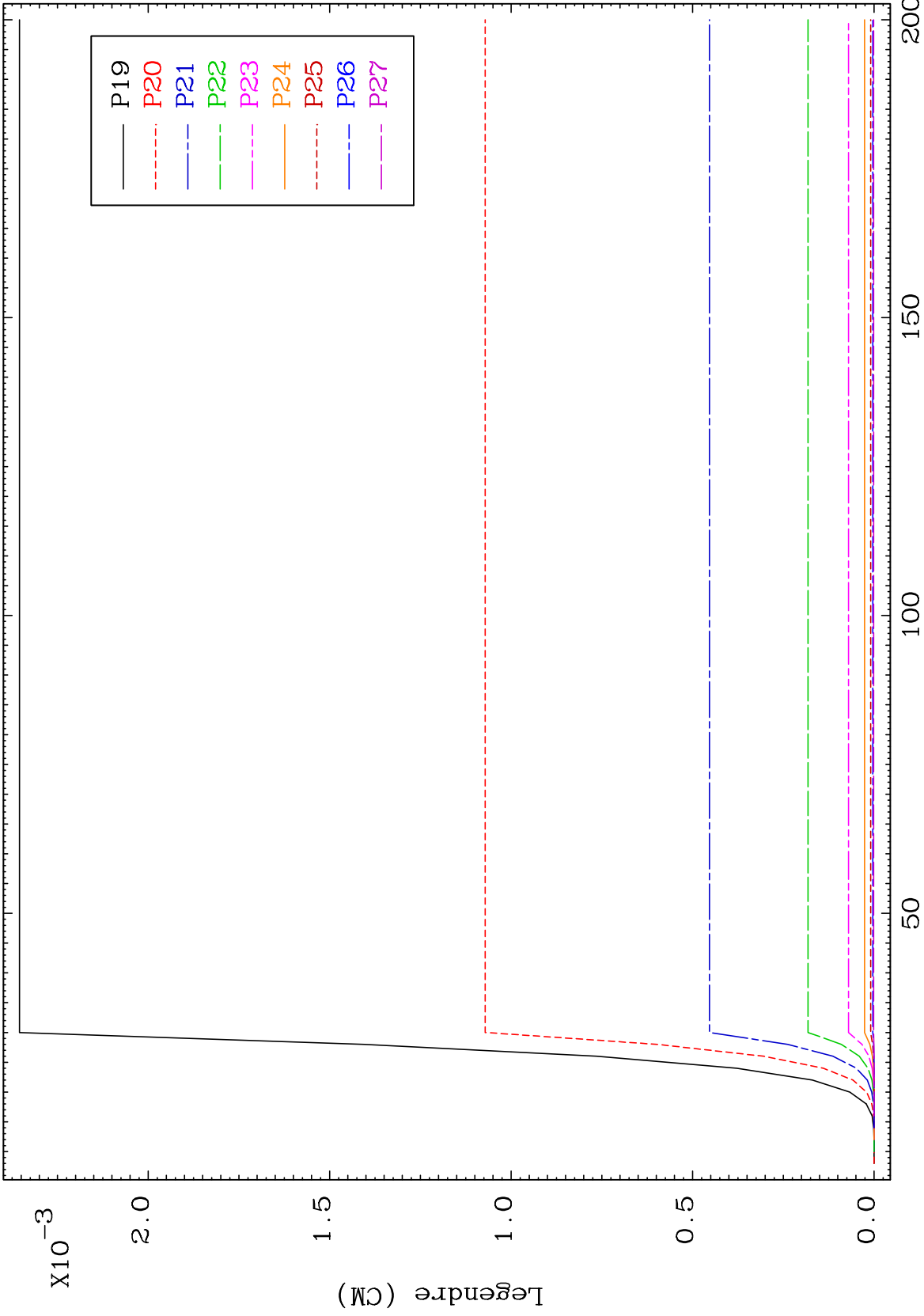
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



113

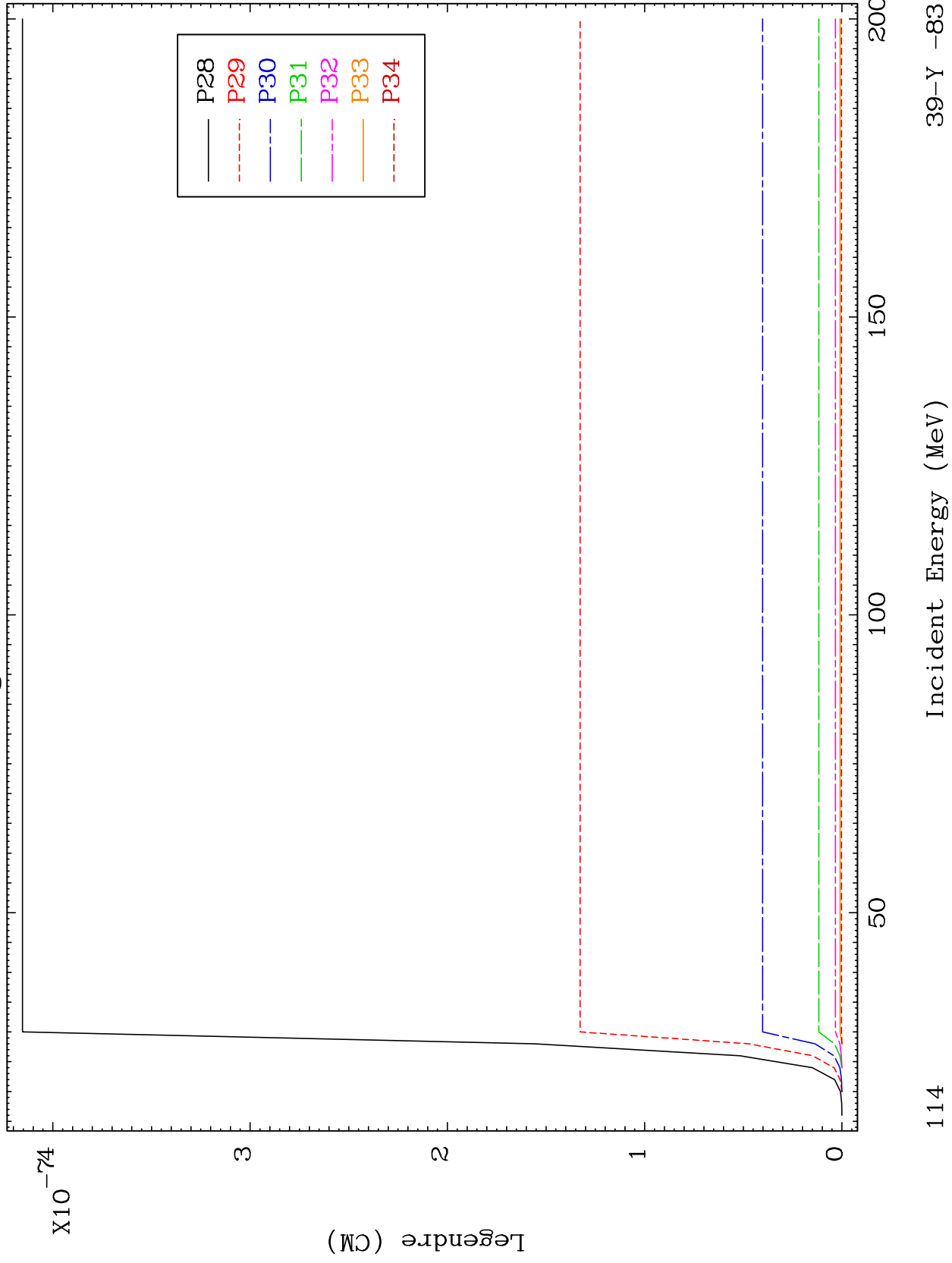
Incident Energy (MeV)

39-Y -83

MAT 3907

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

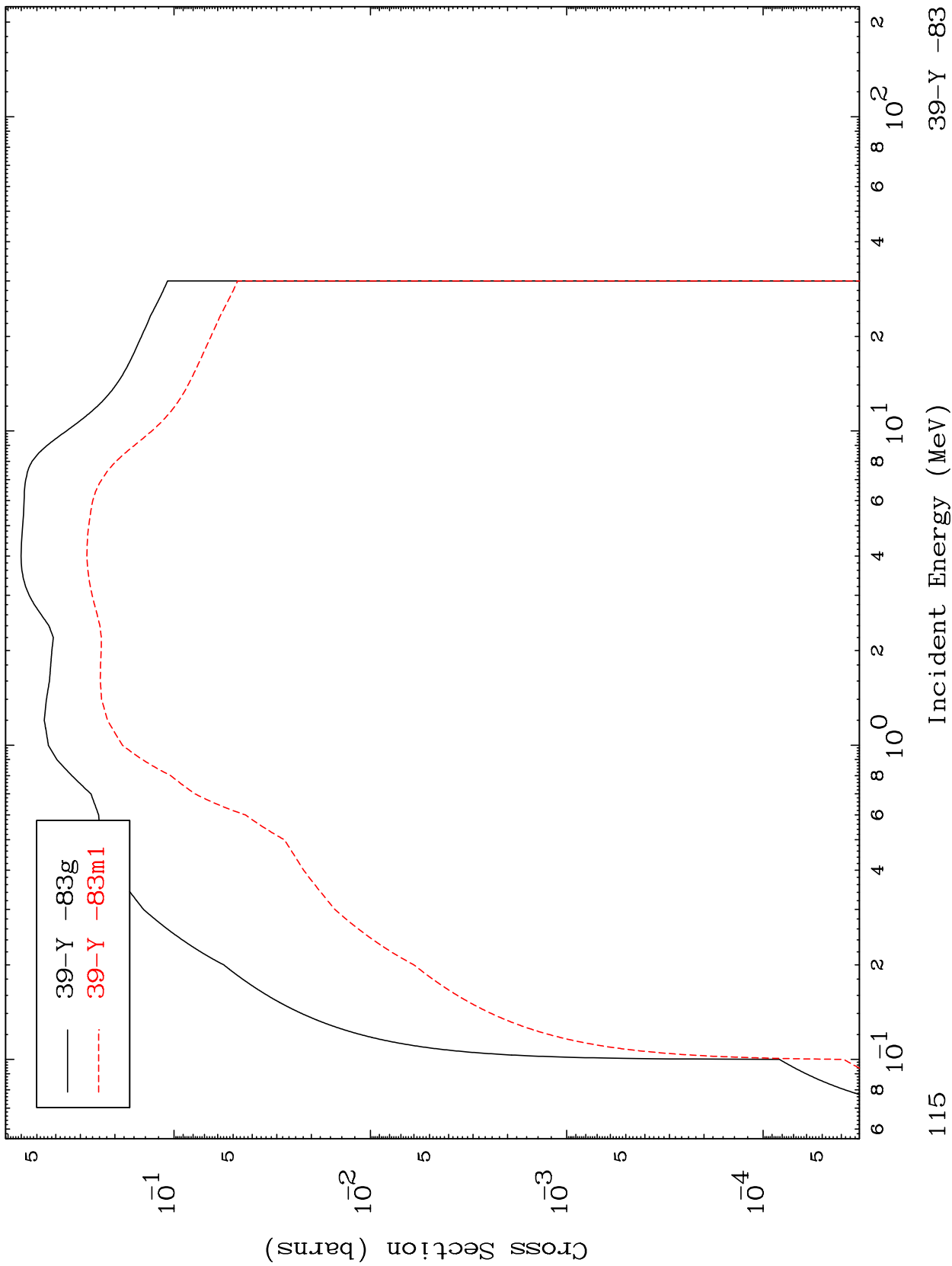
39-Y -83



MAT 3907

39-Y -83

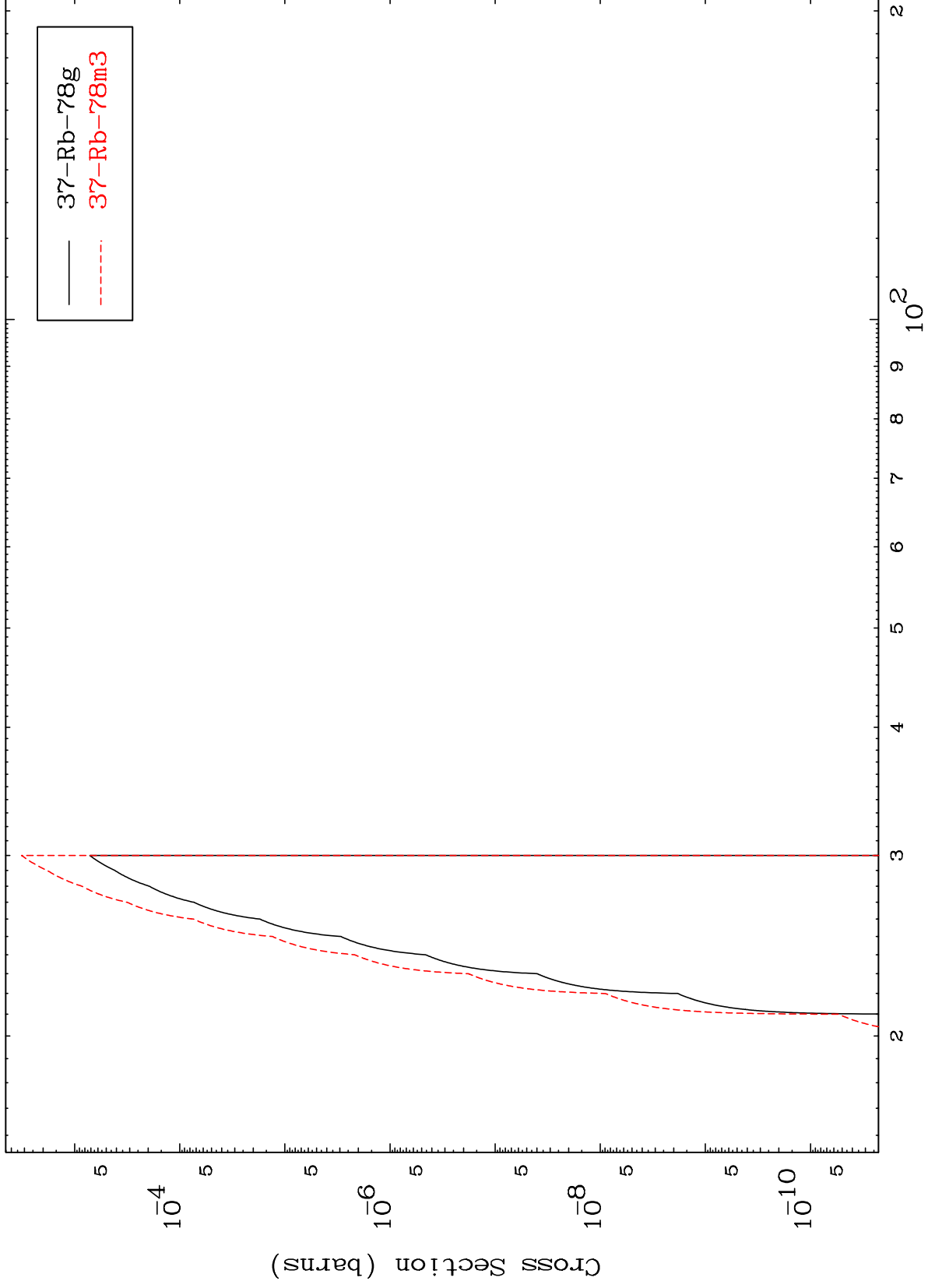
Inelastic
Radionuclide Production Cross Section



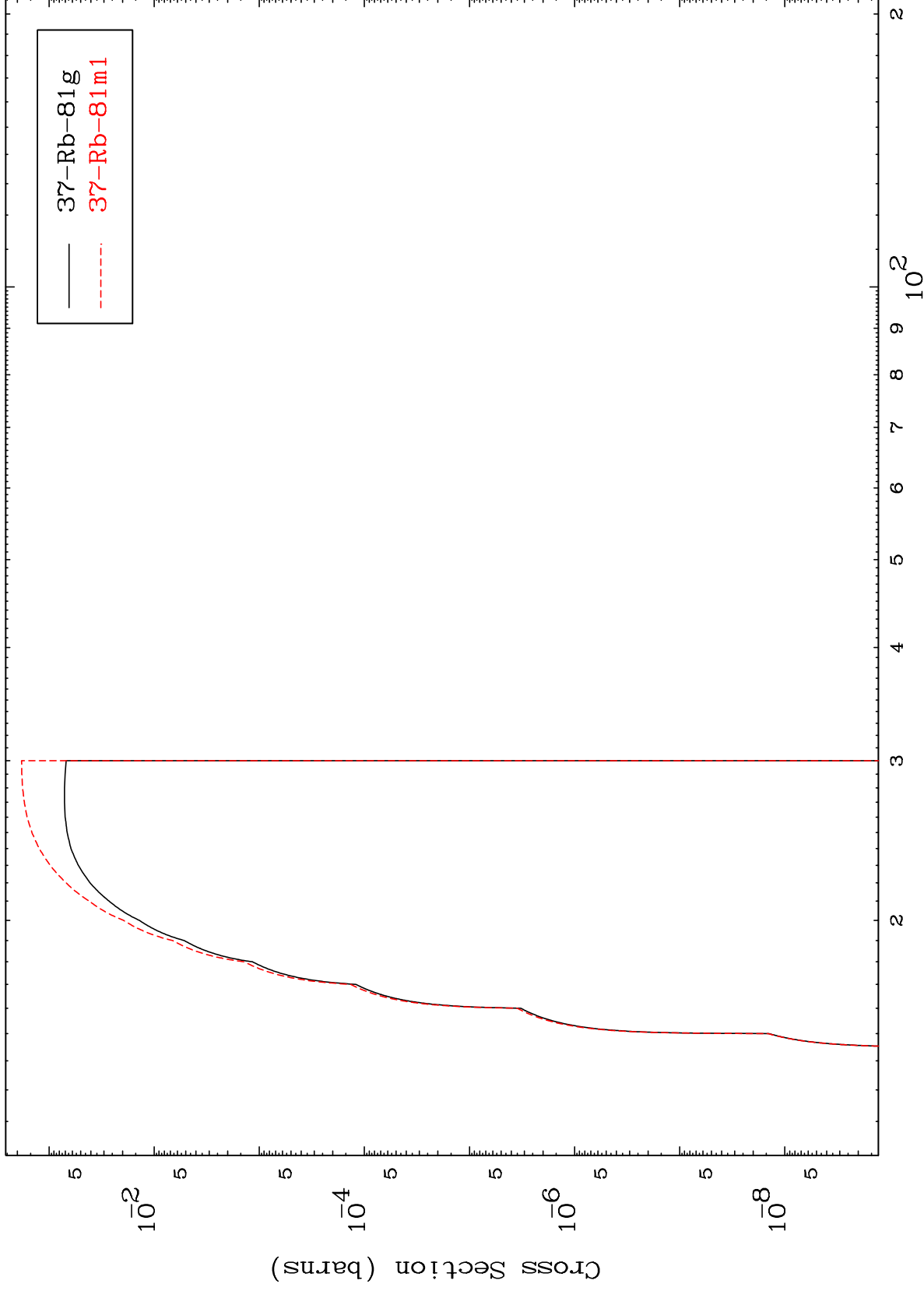
115

39-Y -83

Radionuclide Production Cross Section



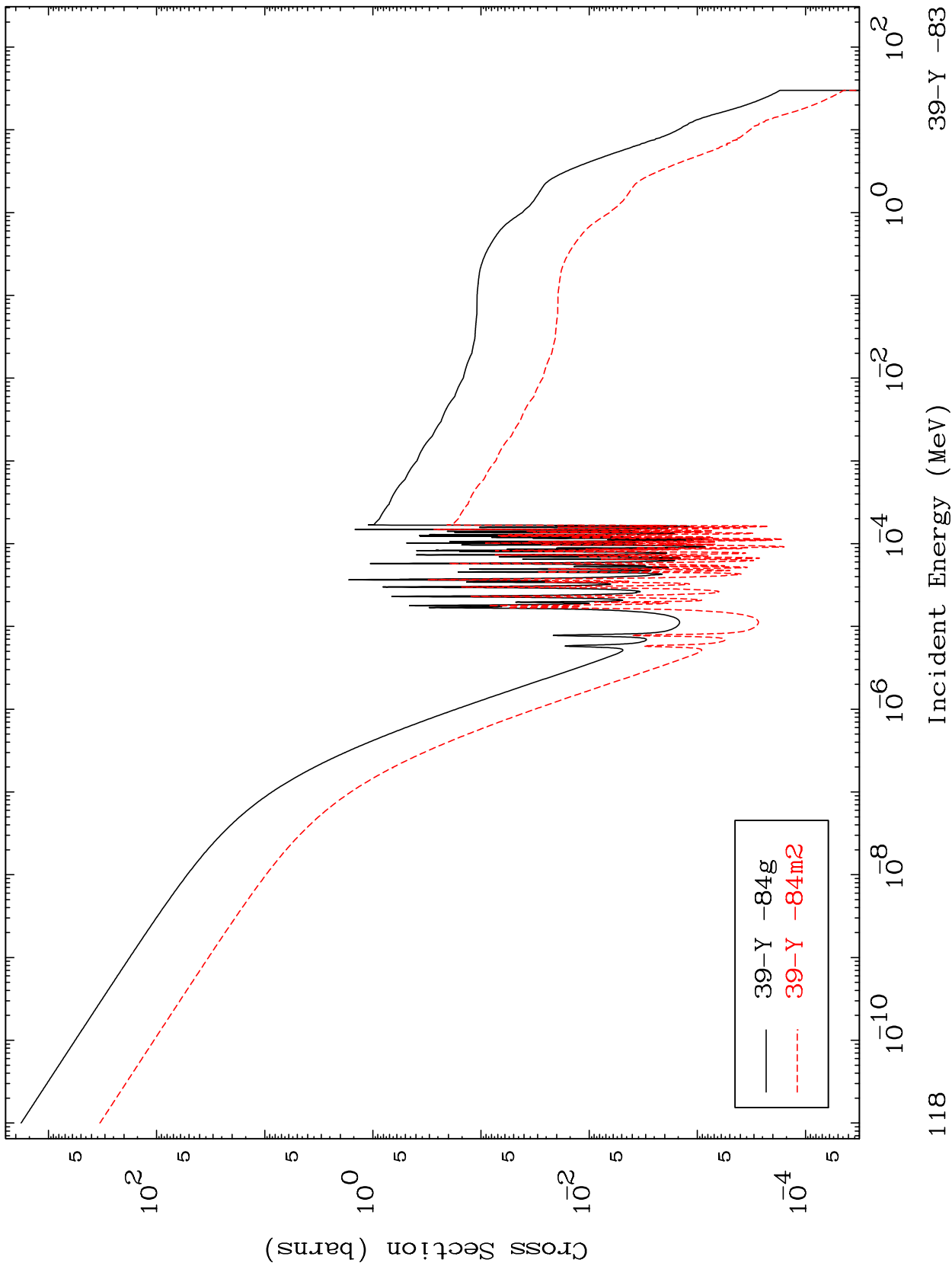
Radionuclide Production Cross Section



MAT 3907

39-Y -83

(n,γ)
Radionuclide Production Cross Section



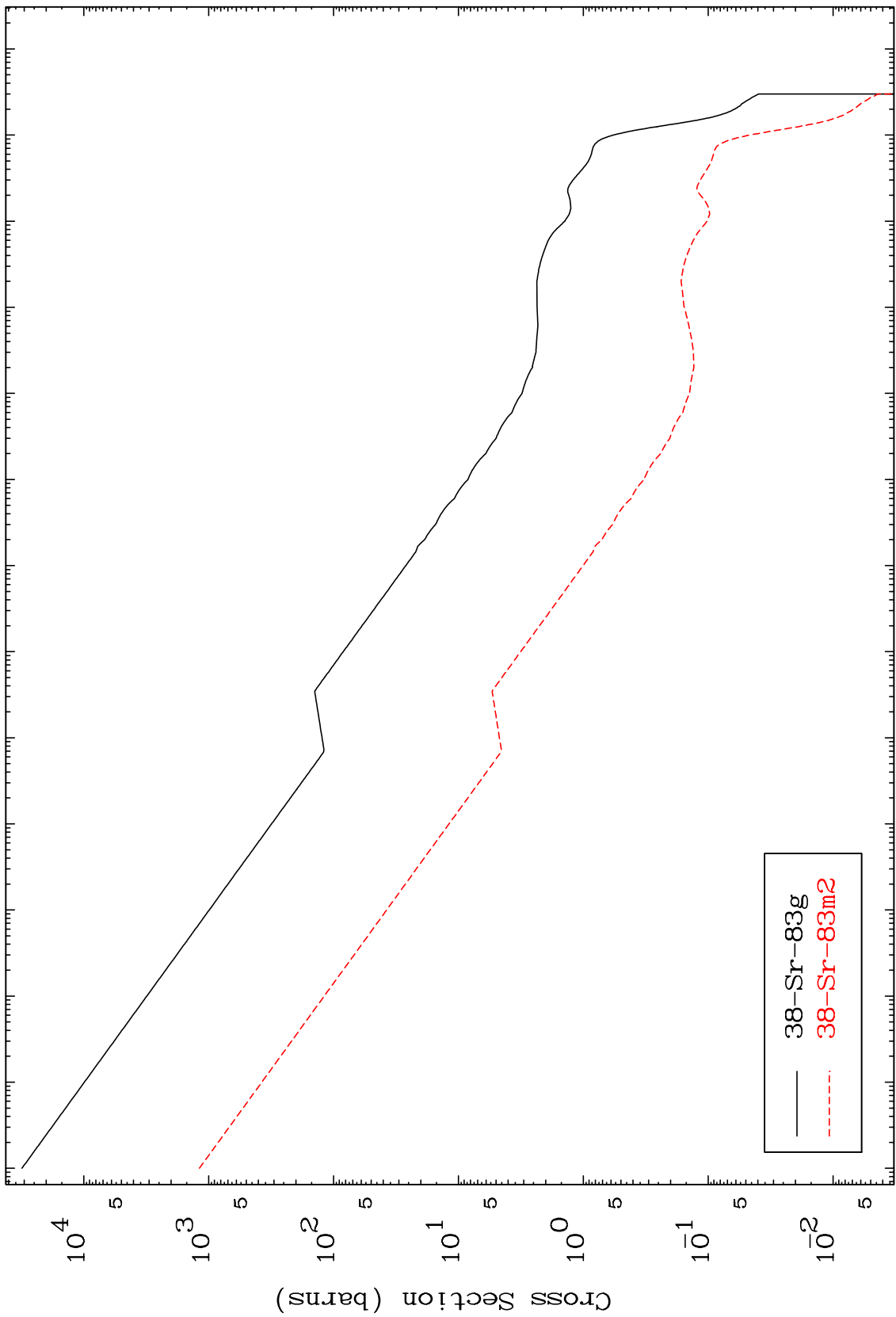
118

39-Y -83

MAT 3907

39-Y -83

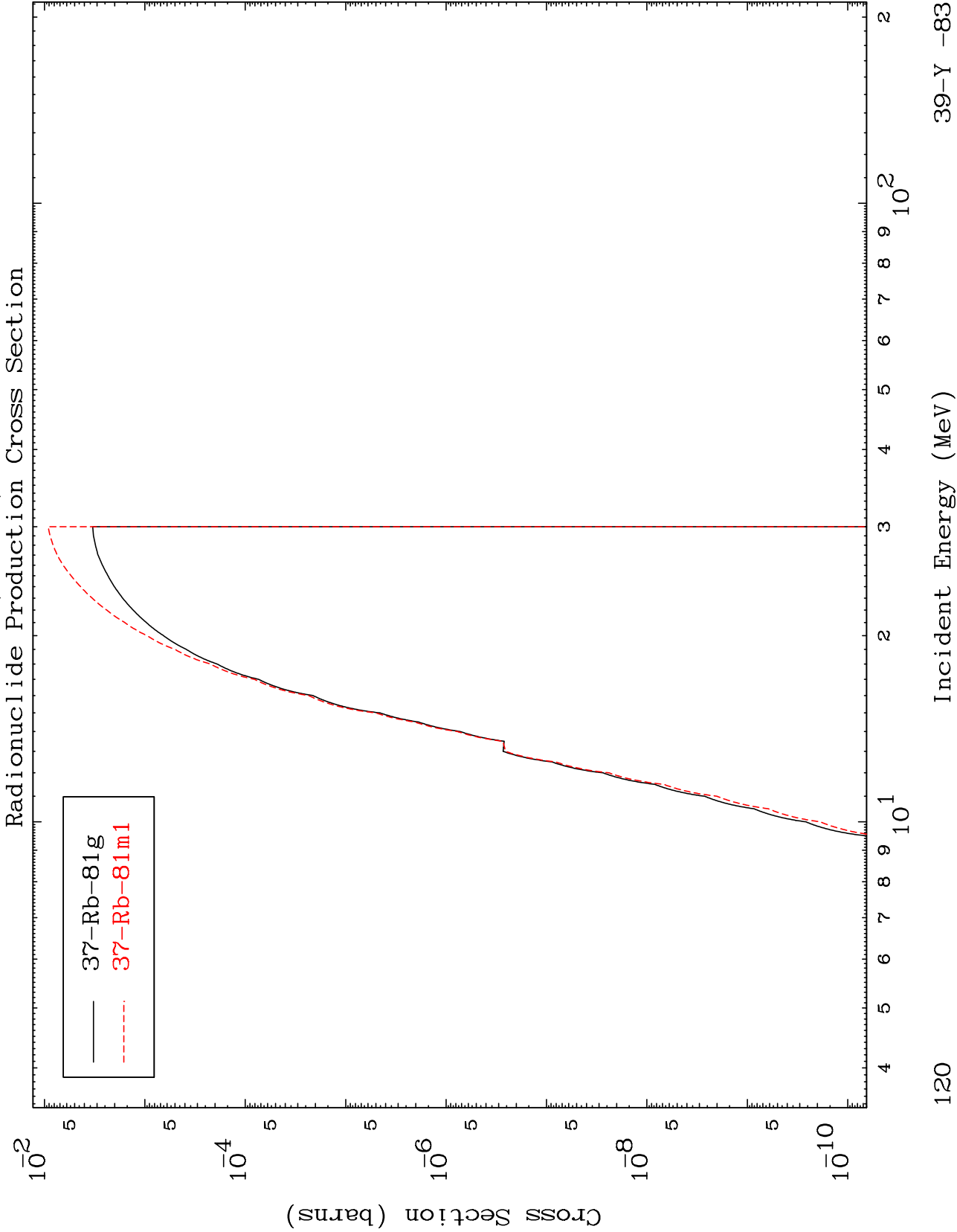
Radionuclide Production Cross Section (n,p)



MAT 3907

(n,He-3)

39-Y -83



120

Incident Energy (MeV)

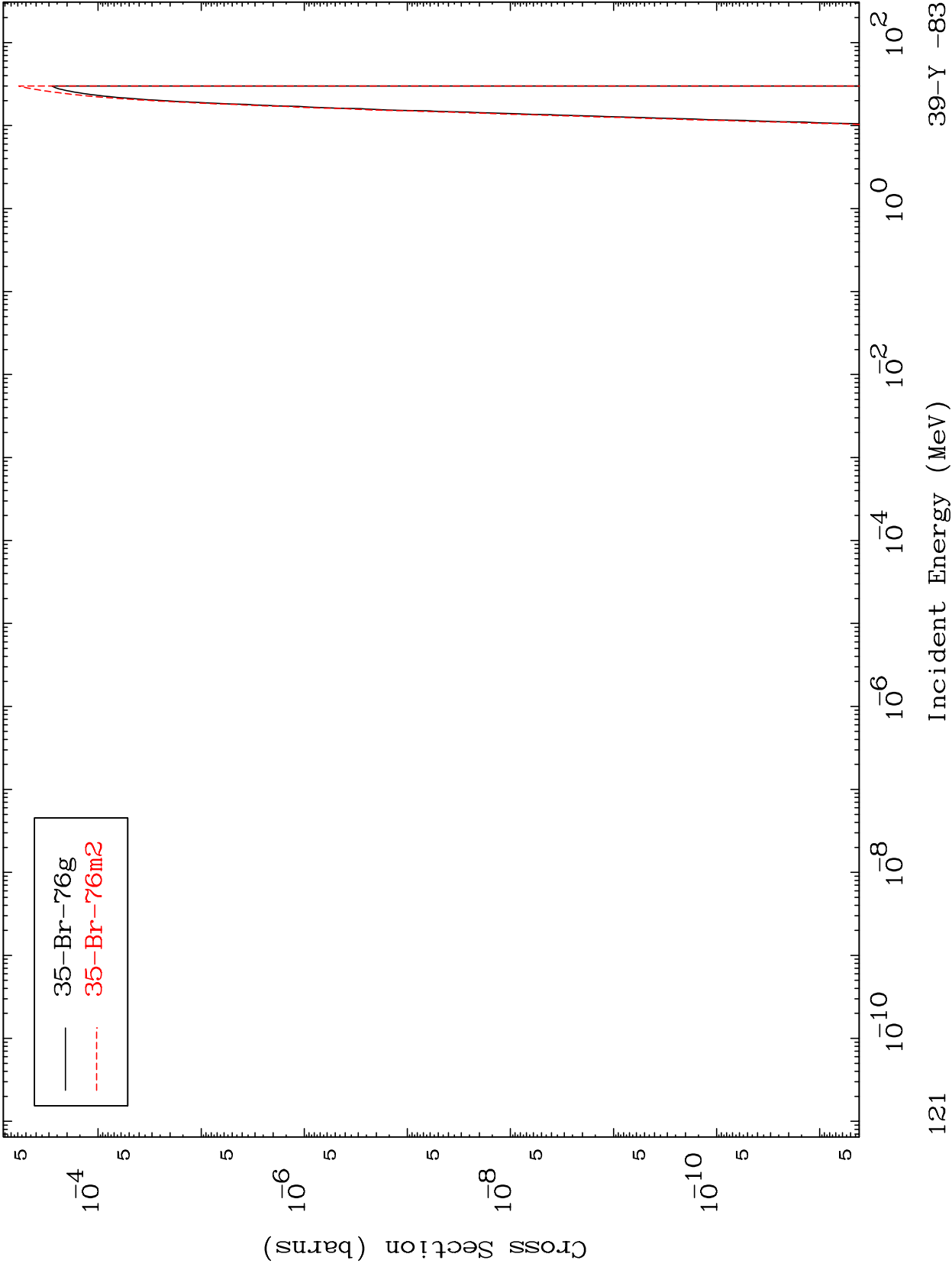
39-Y -83

MAT 3907

(n,2α)

39-Y -83

Radionuclide Production Cross Section

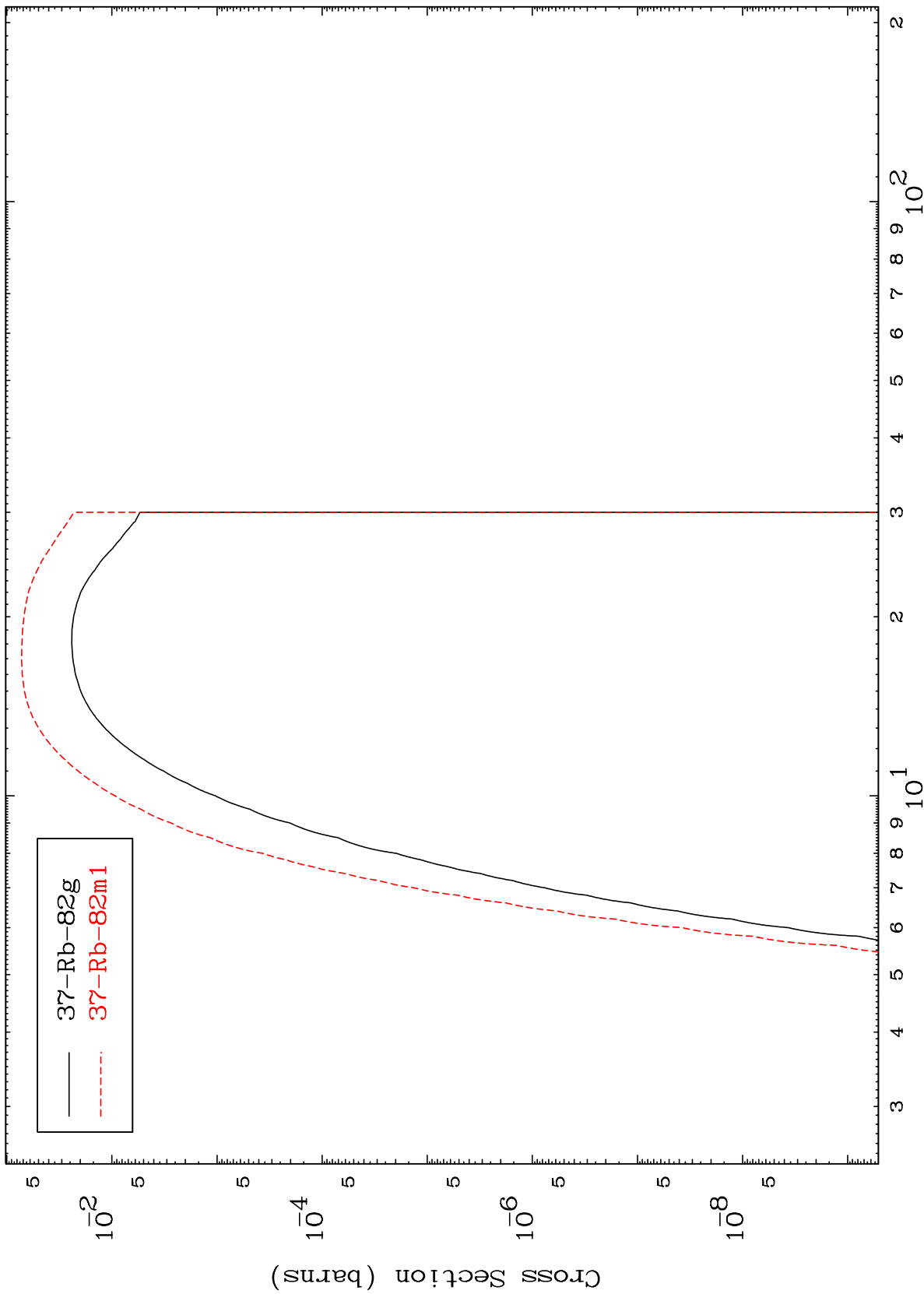


121

Incident Energy (MeV)

39-Y -83

Radionuclide Production Cross Section (n,2p)

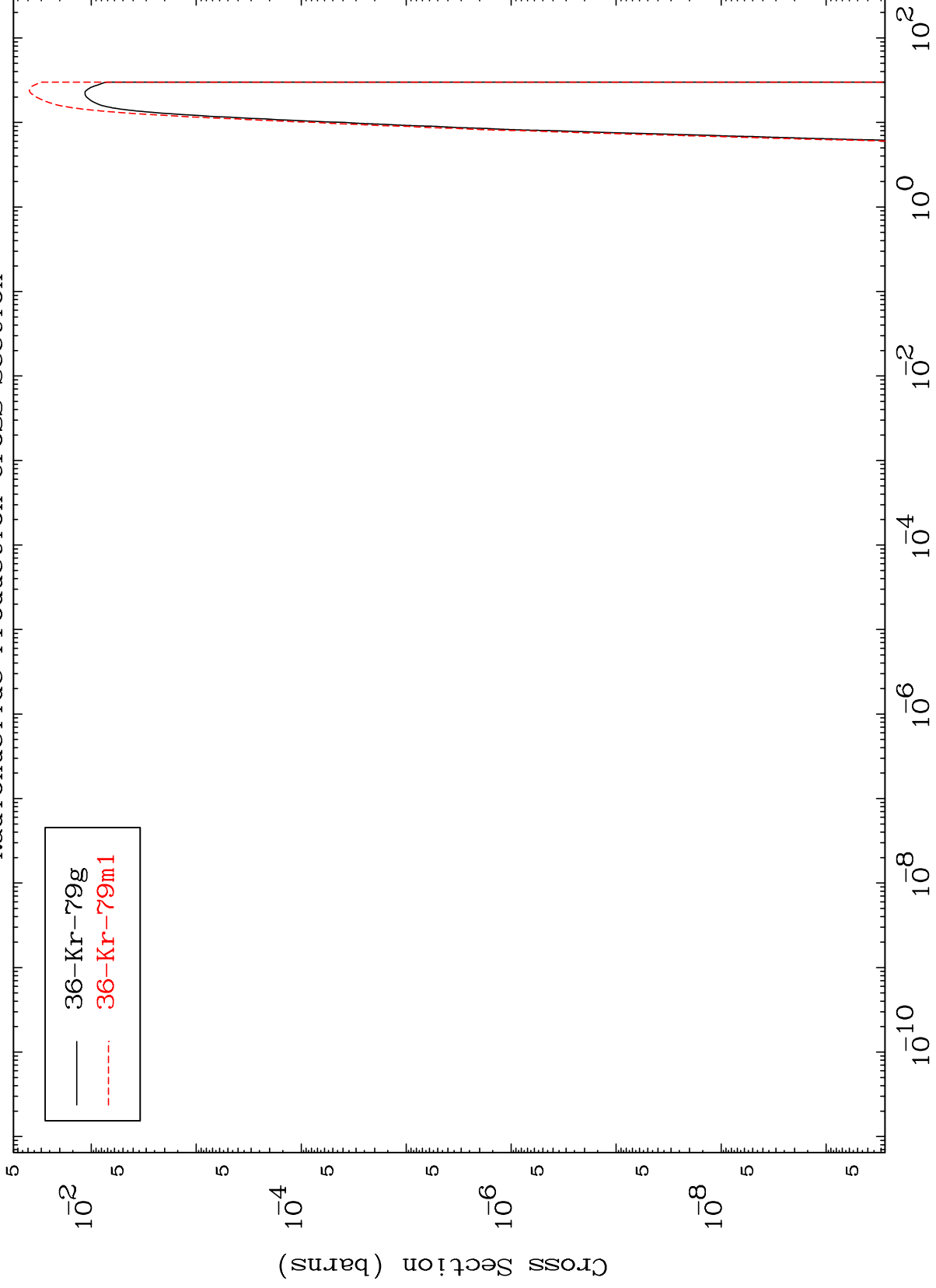


MAT 3907

(n,p) α

39-Y -83

Radionuclide Production Cross Section



— 36-Kr-79g
- - - 36-Kr-79m1

