

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

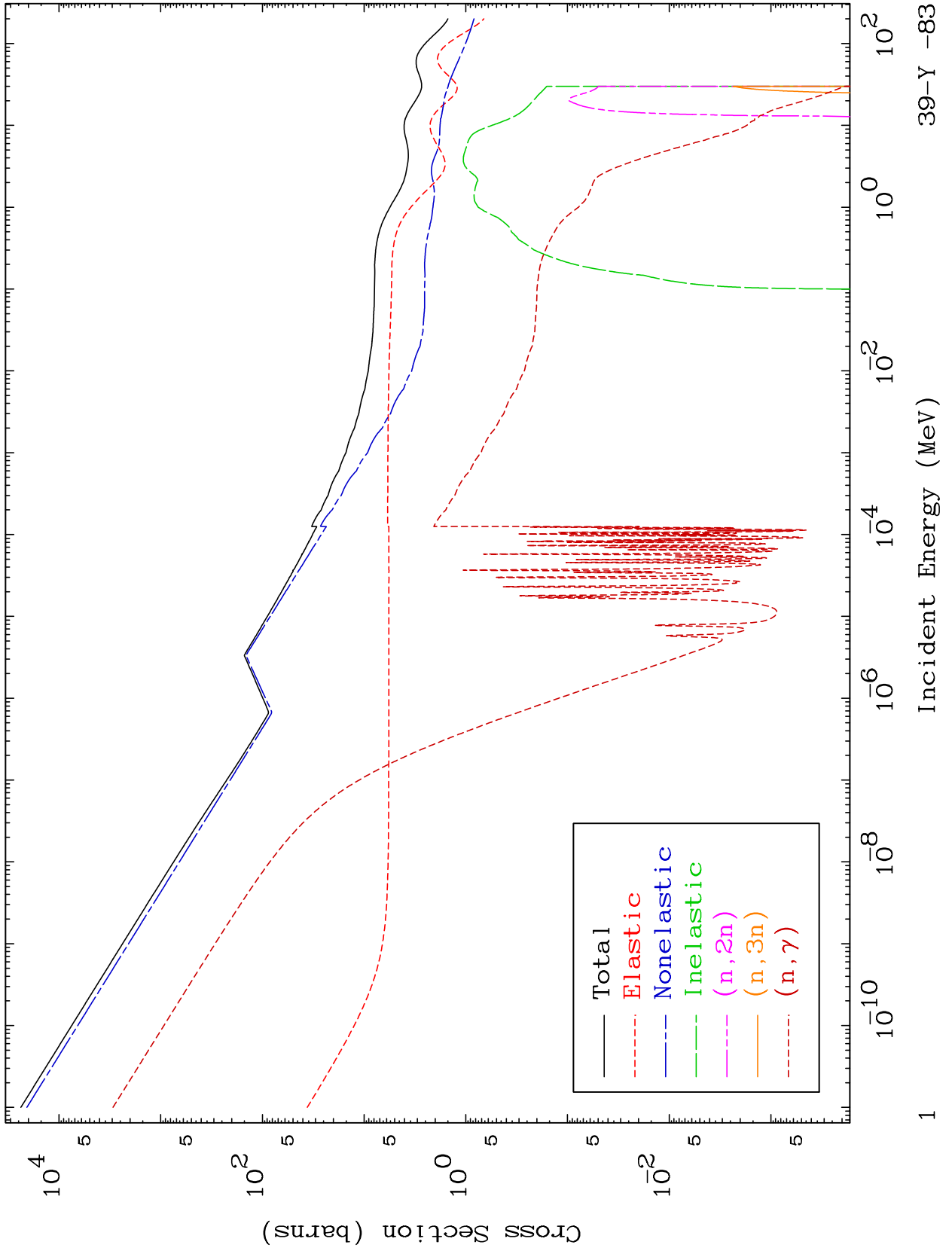
Web:redcullen1.net/HOMEPAGE.NEW

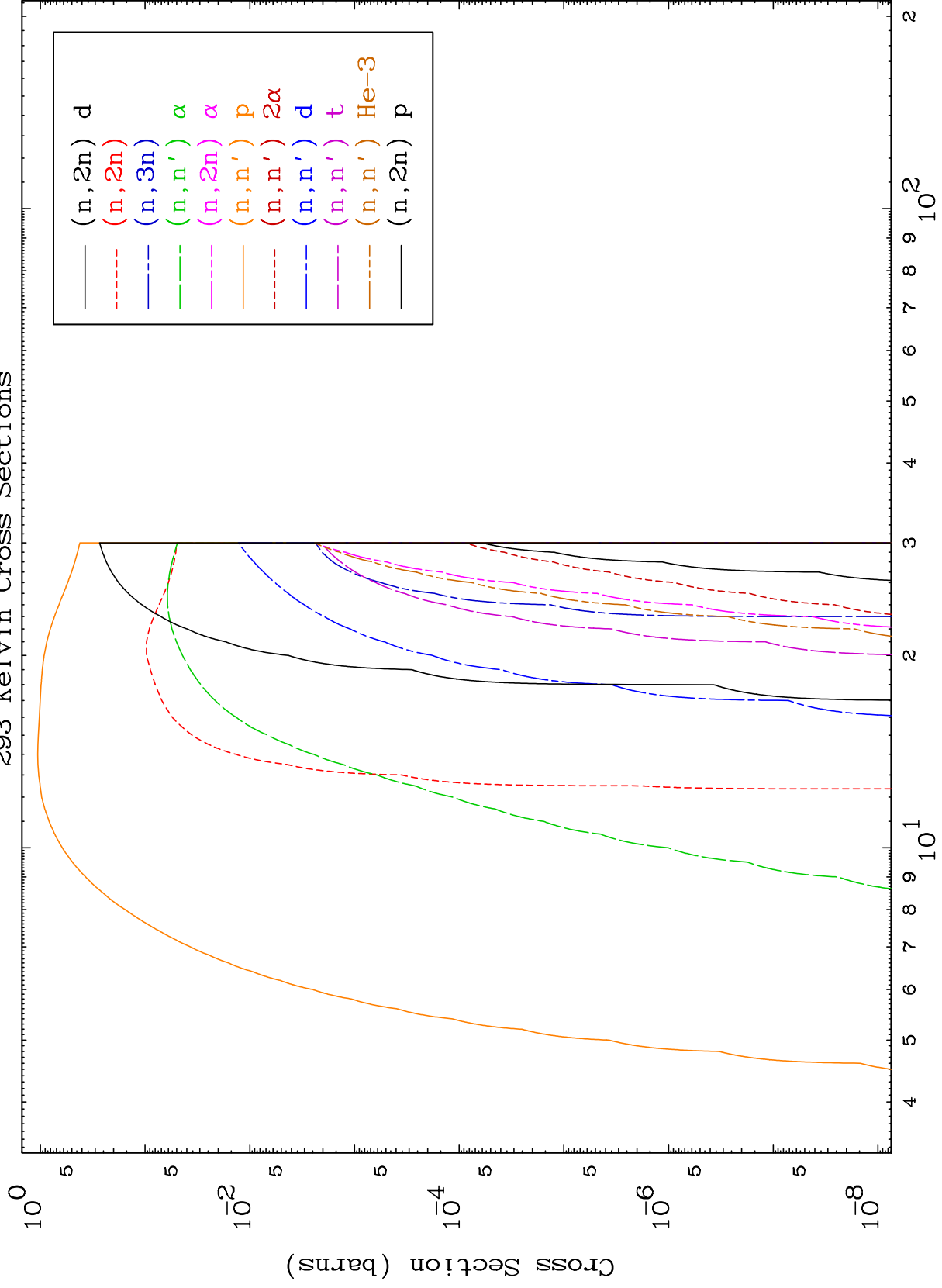
Press Mouse Button to Start

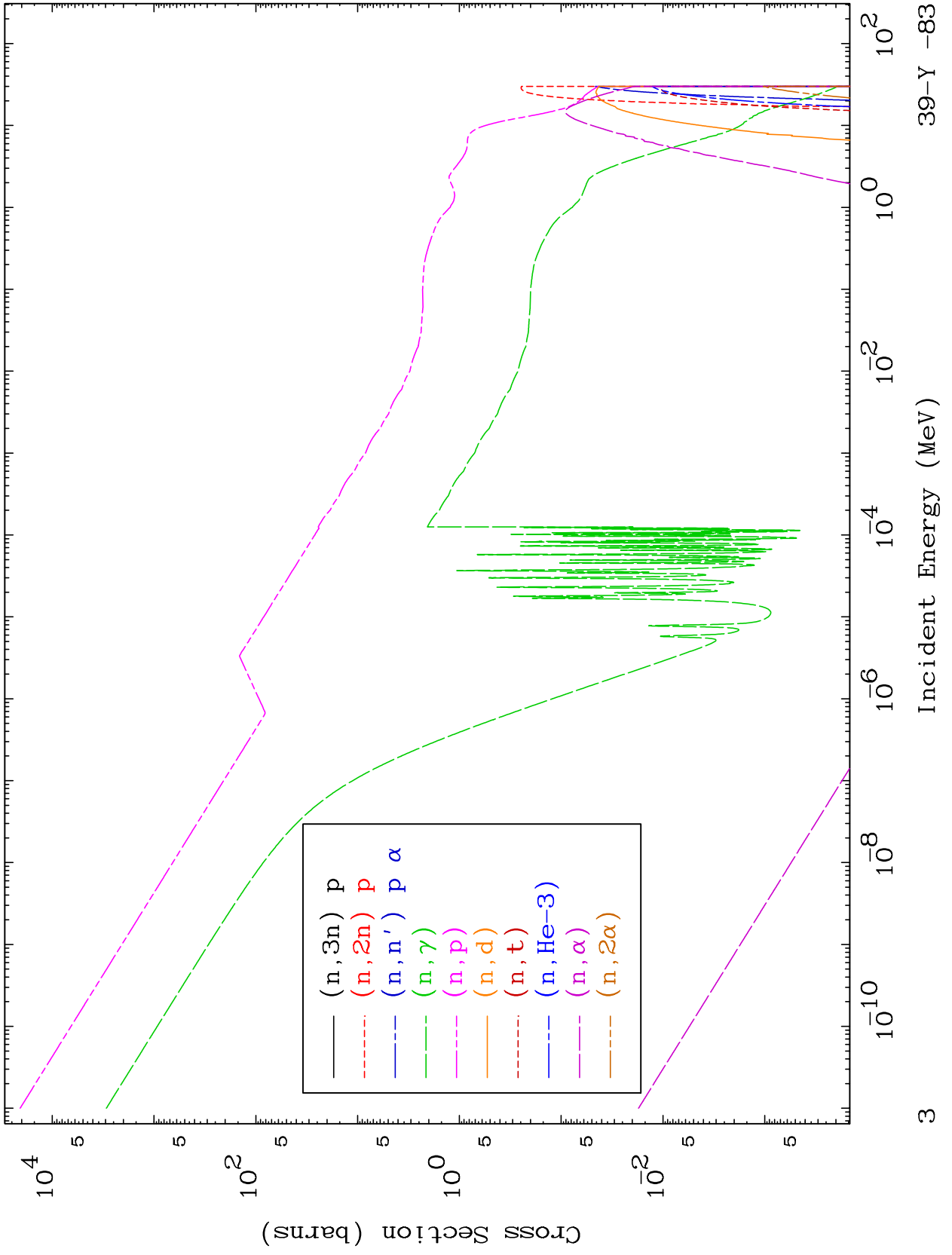
MAT 3907

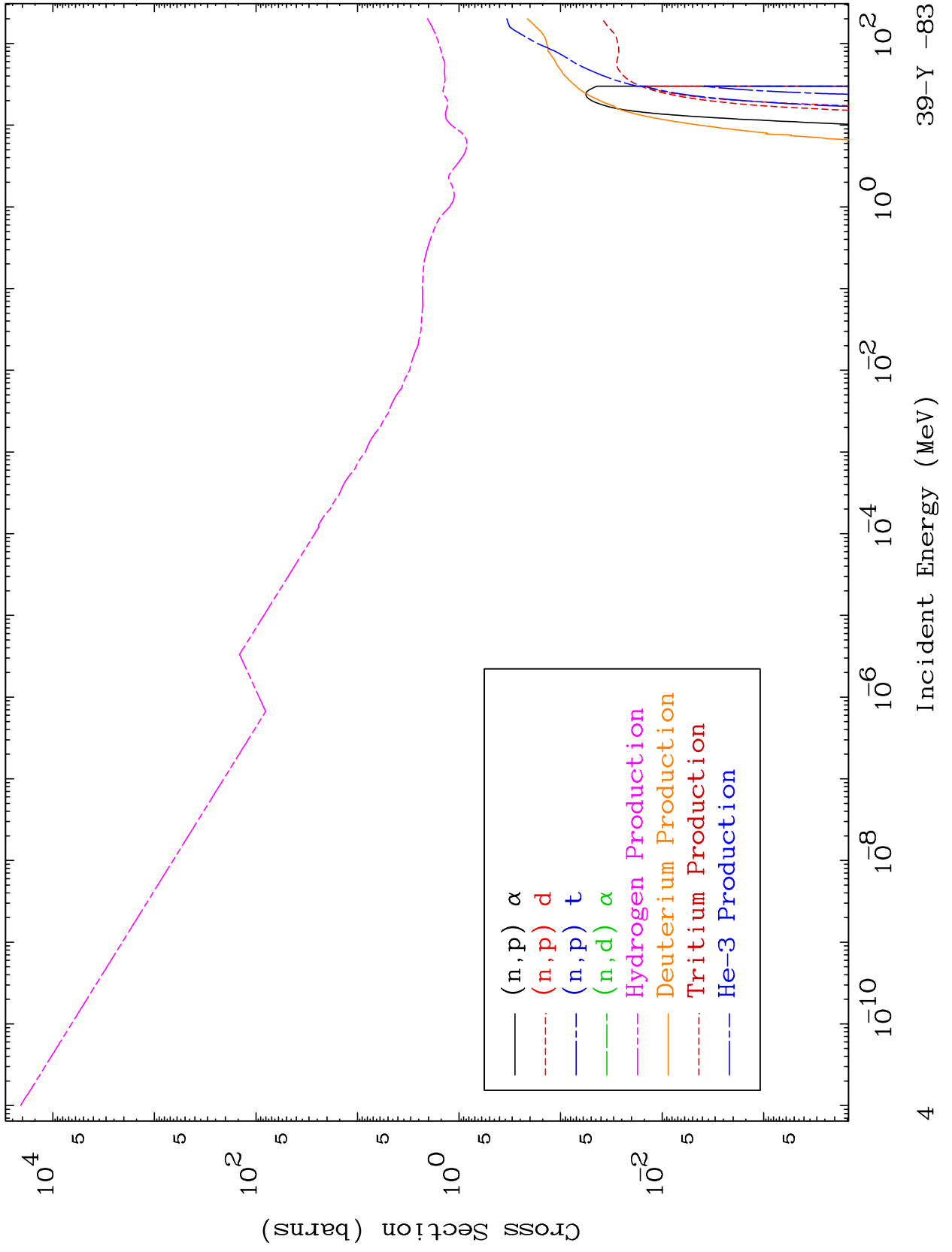
Neutron Major
293 Kelvin Cross Sections

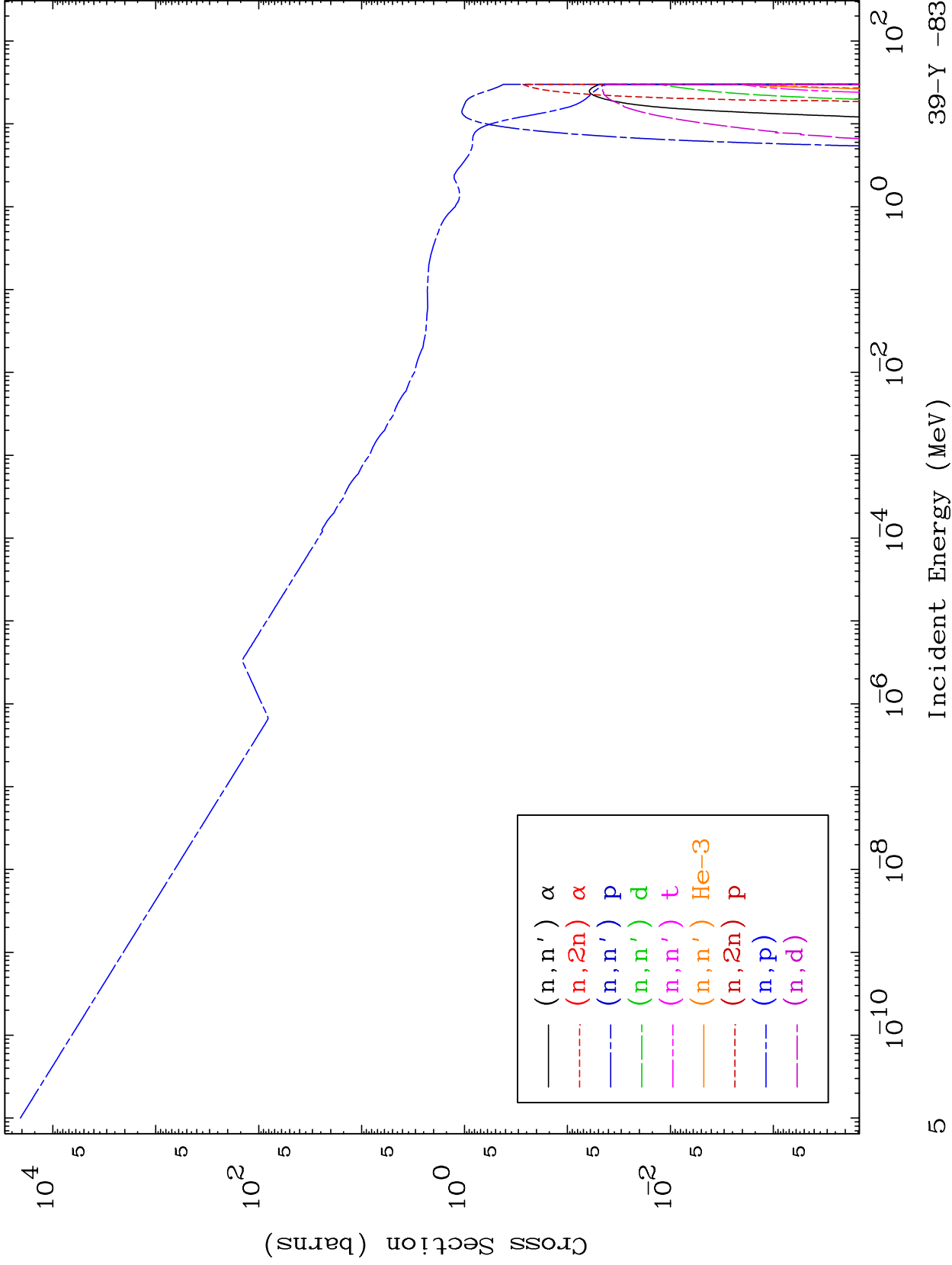
39-Y -83







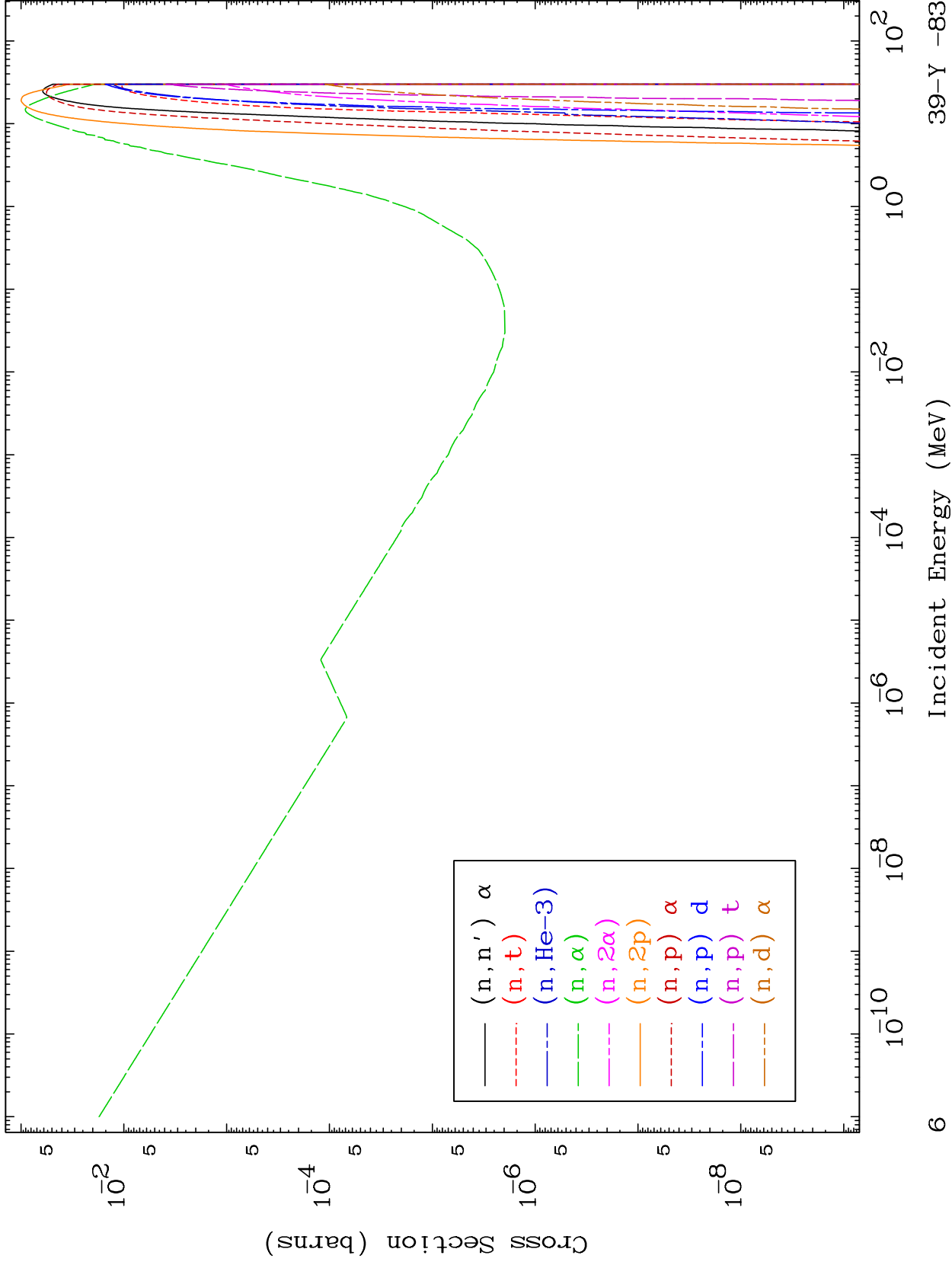


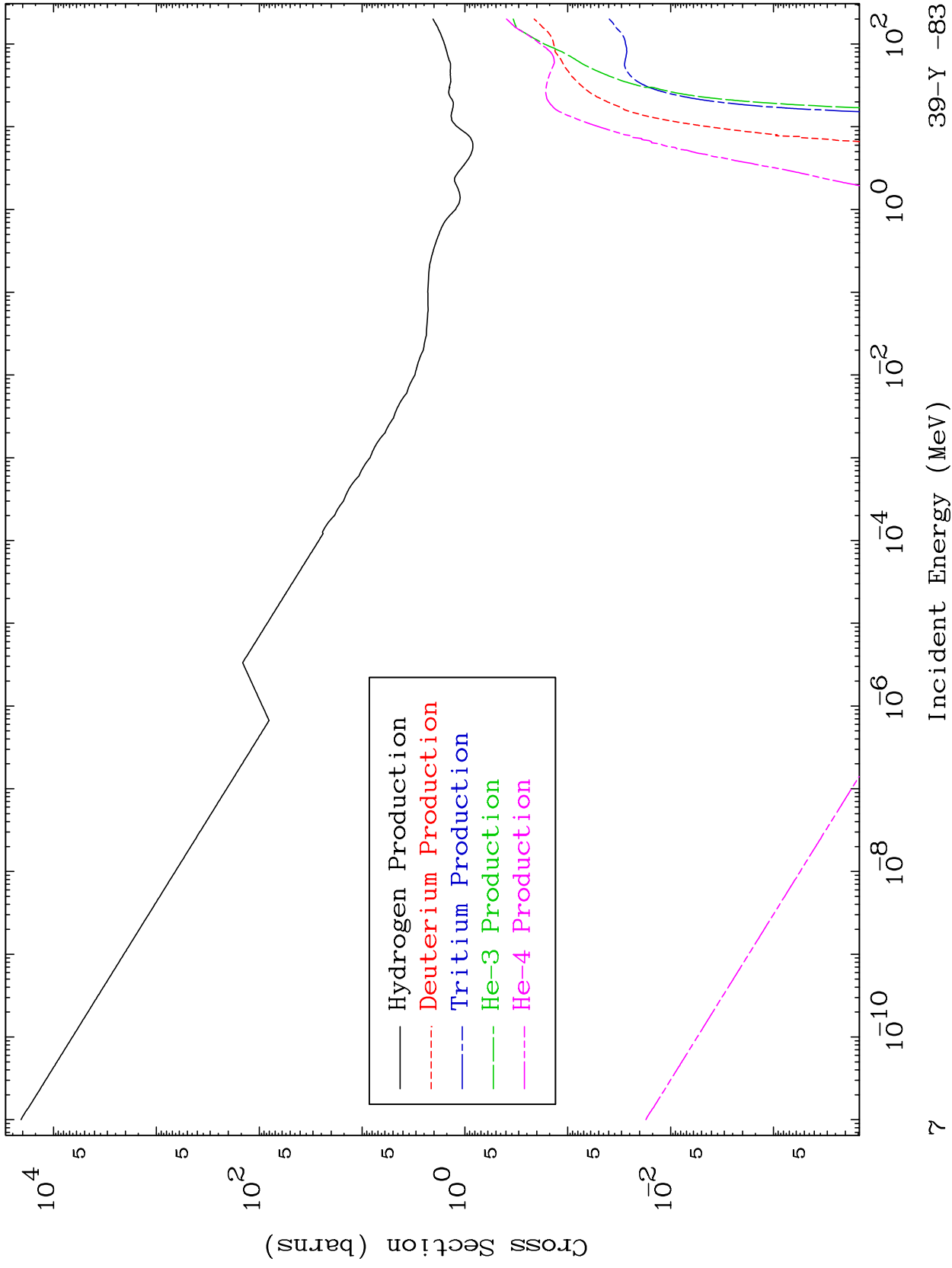


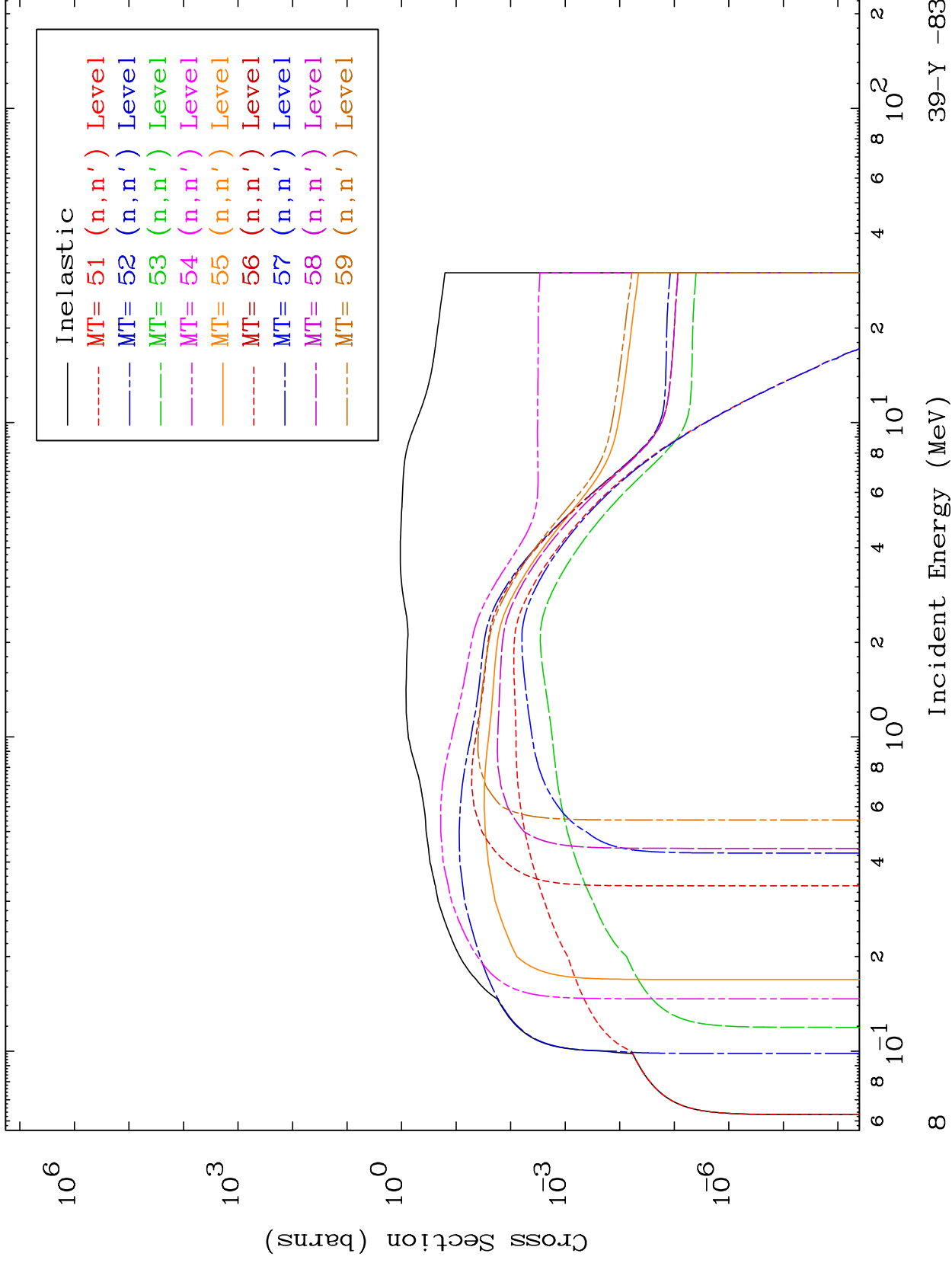
MAT 3907

Charged Particle
293 Kelvin Cross Sections

39-Y -83



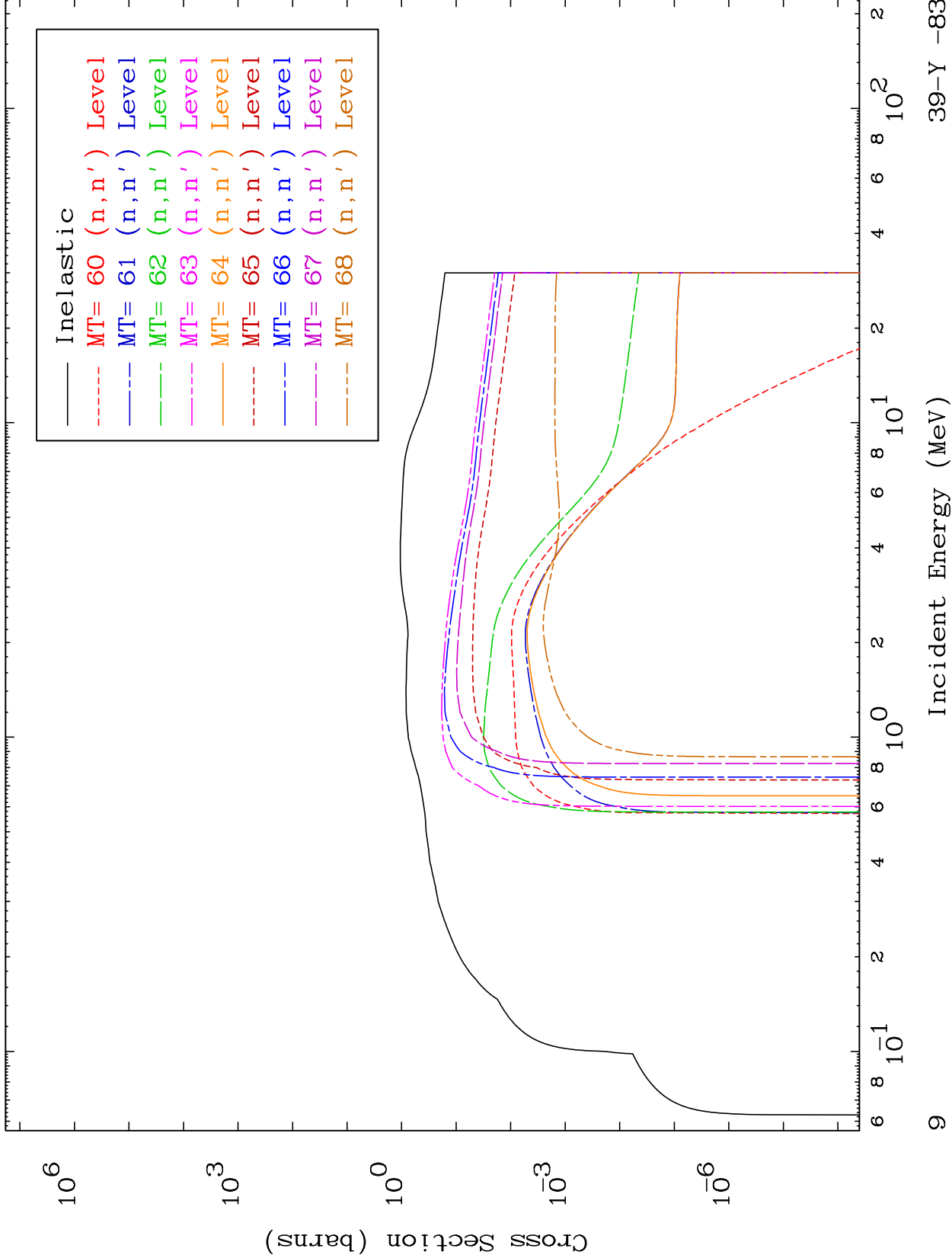




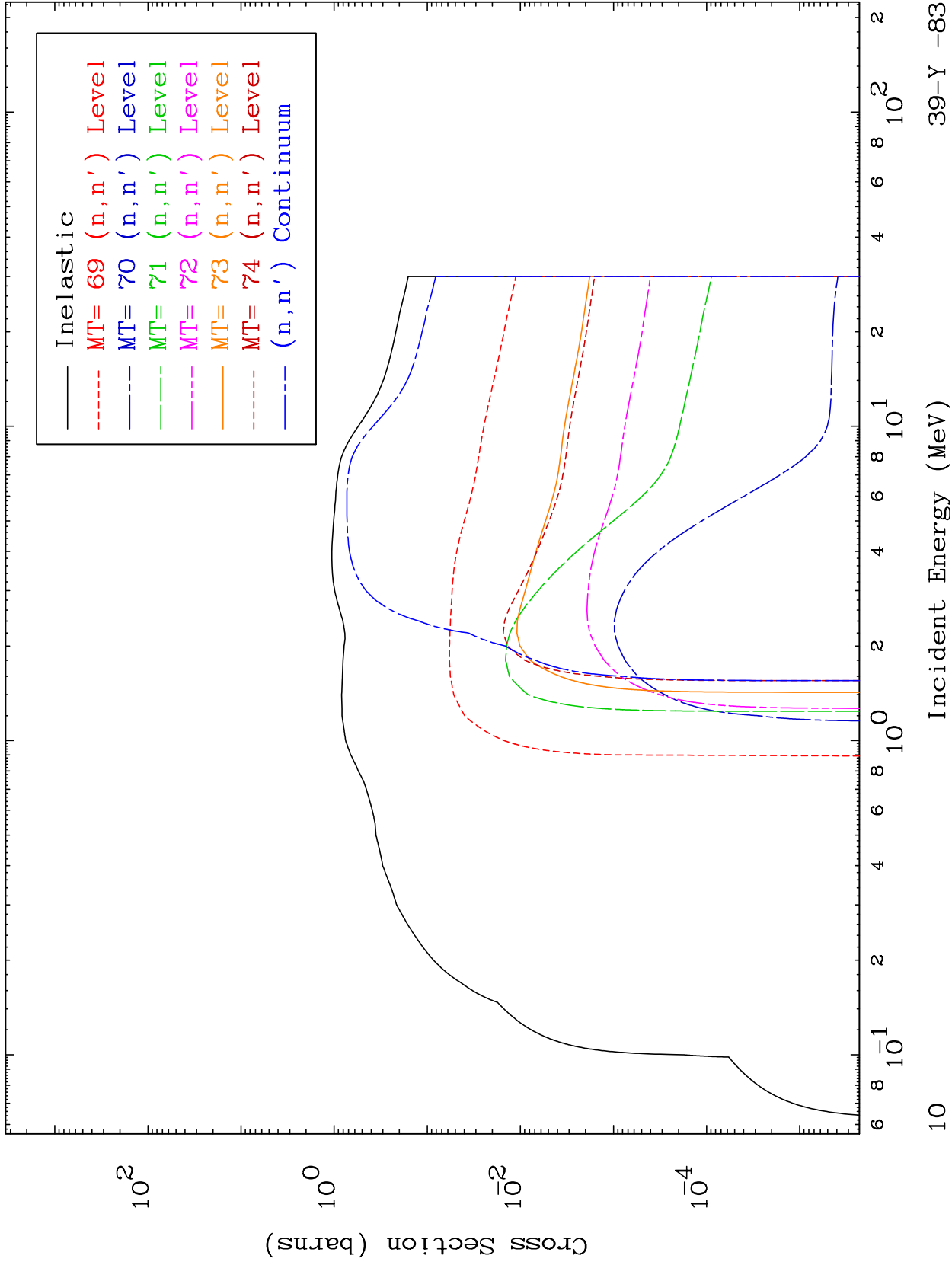
MAT 3907

(n,n') Levels
293 Kelvin Cross Sections

39-Y -83



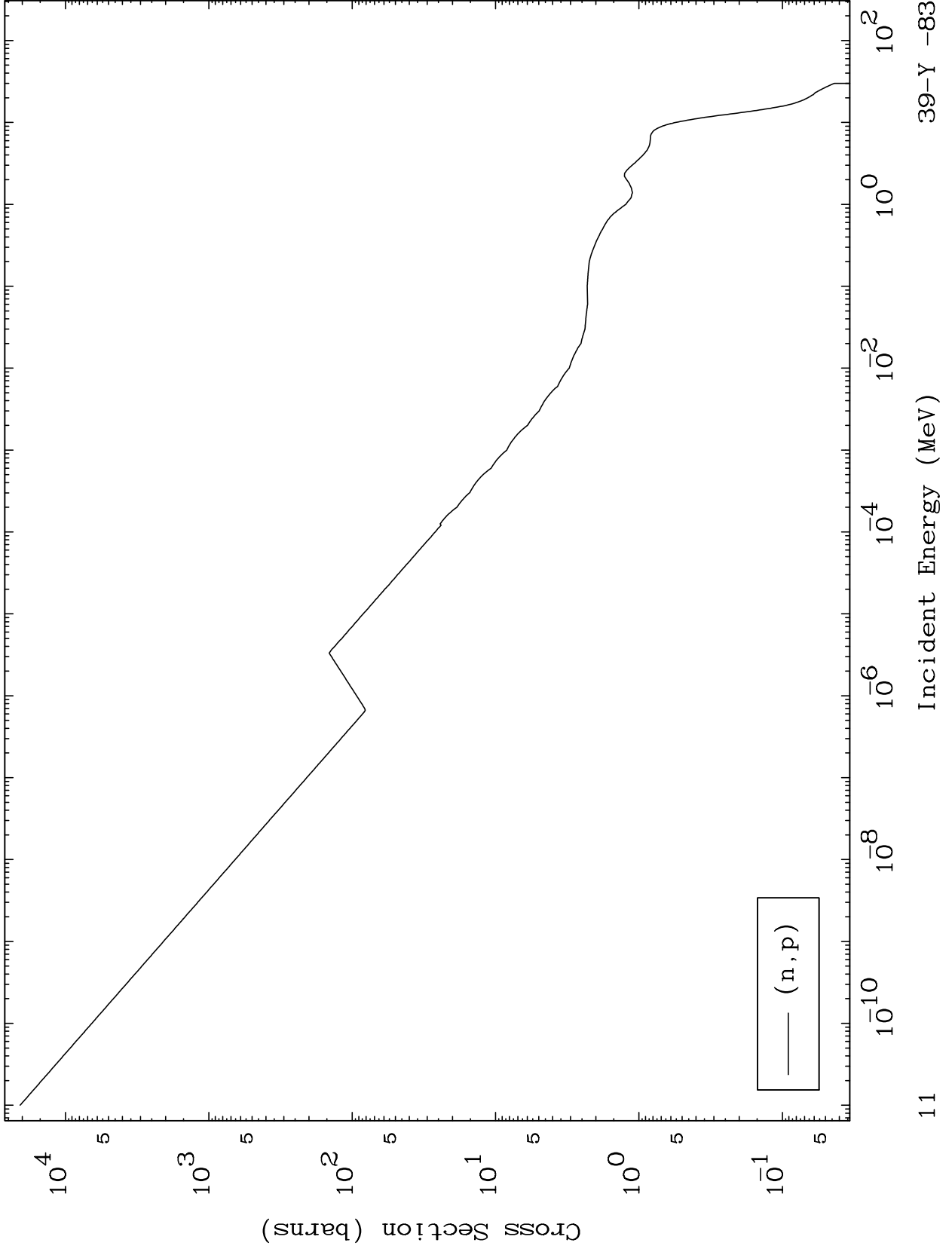
9



MAT 3907

(n,p) Levels
293 Kelvin Cross Sections

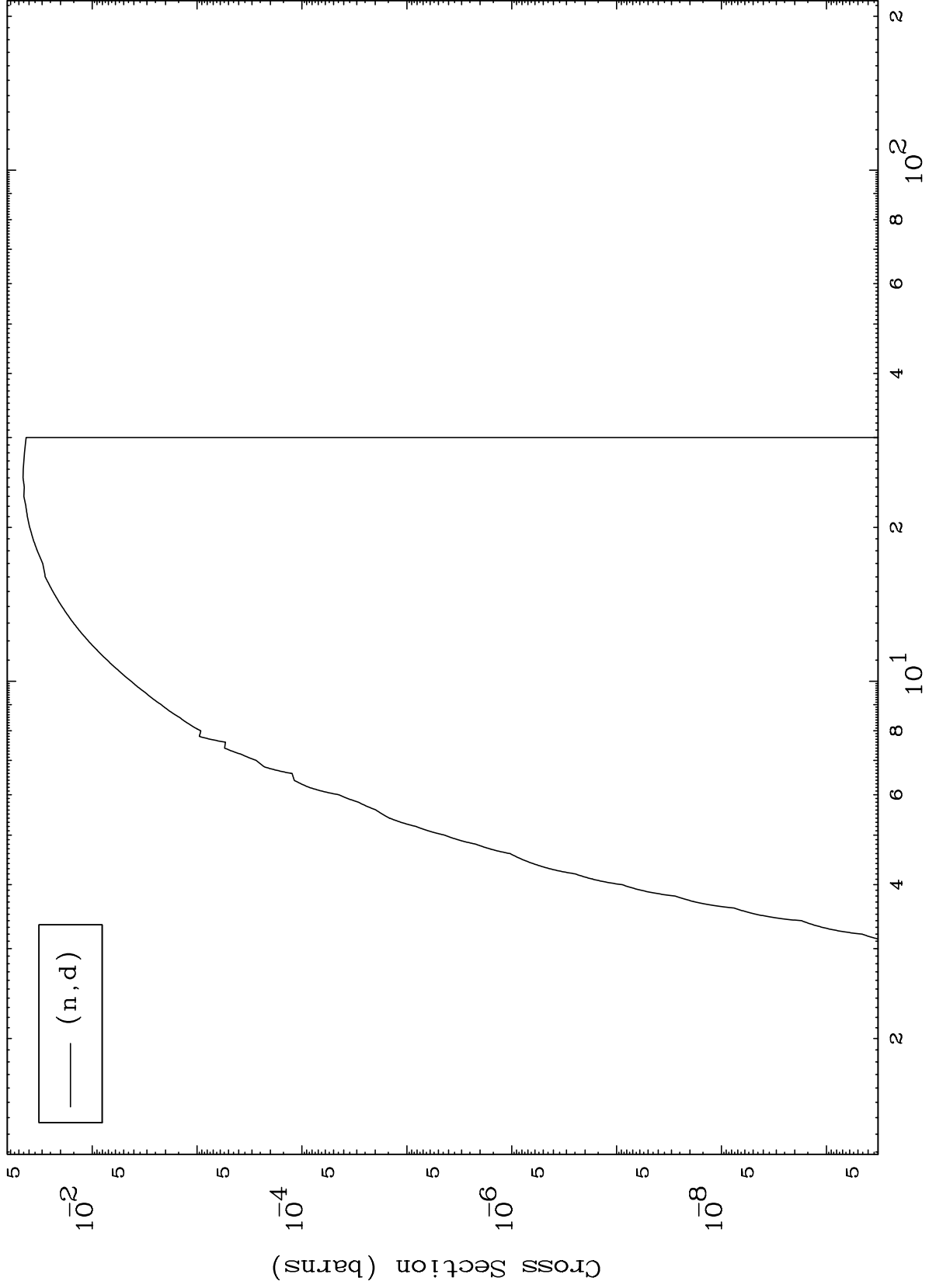
39-Y -83



MAT 3907

(n,d) Levels
293 Kelvin Cross Sections

39-Y -83



12

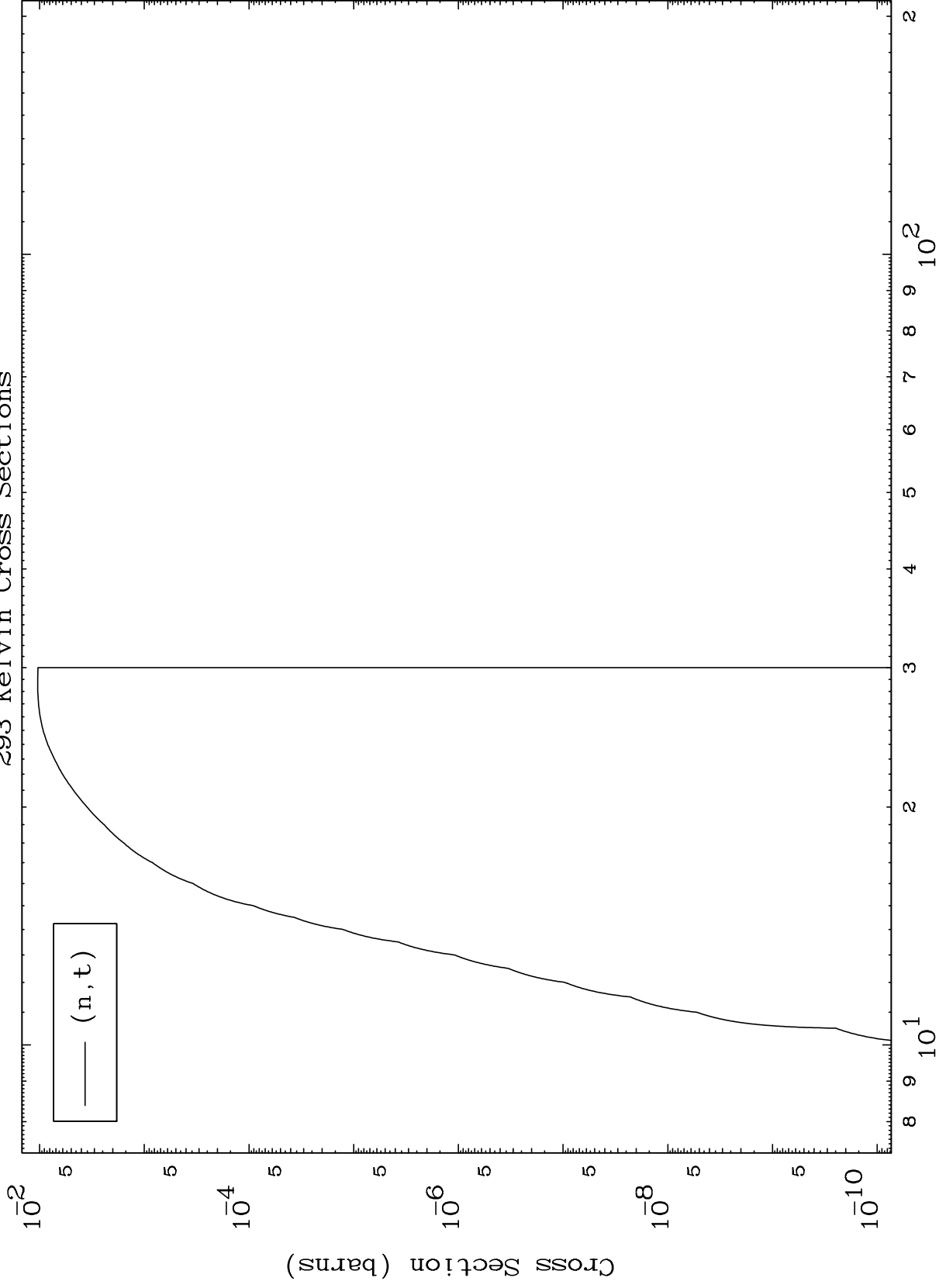
Incident Energy (MeV)

39-Y -83

MAT 3907

(n,t) Levels
293 Kelvin Cross Sections

39-Y -83



13

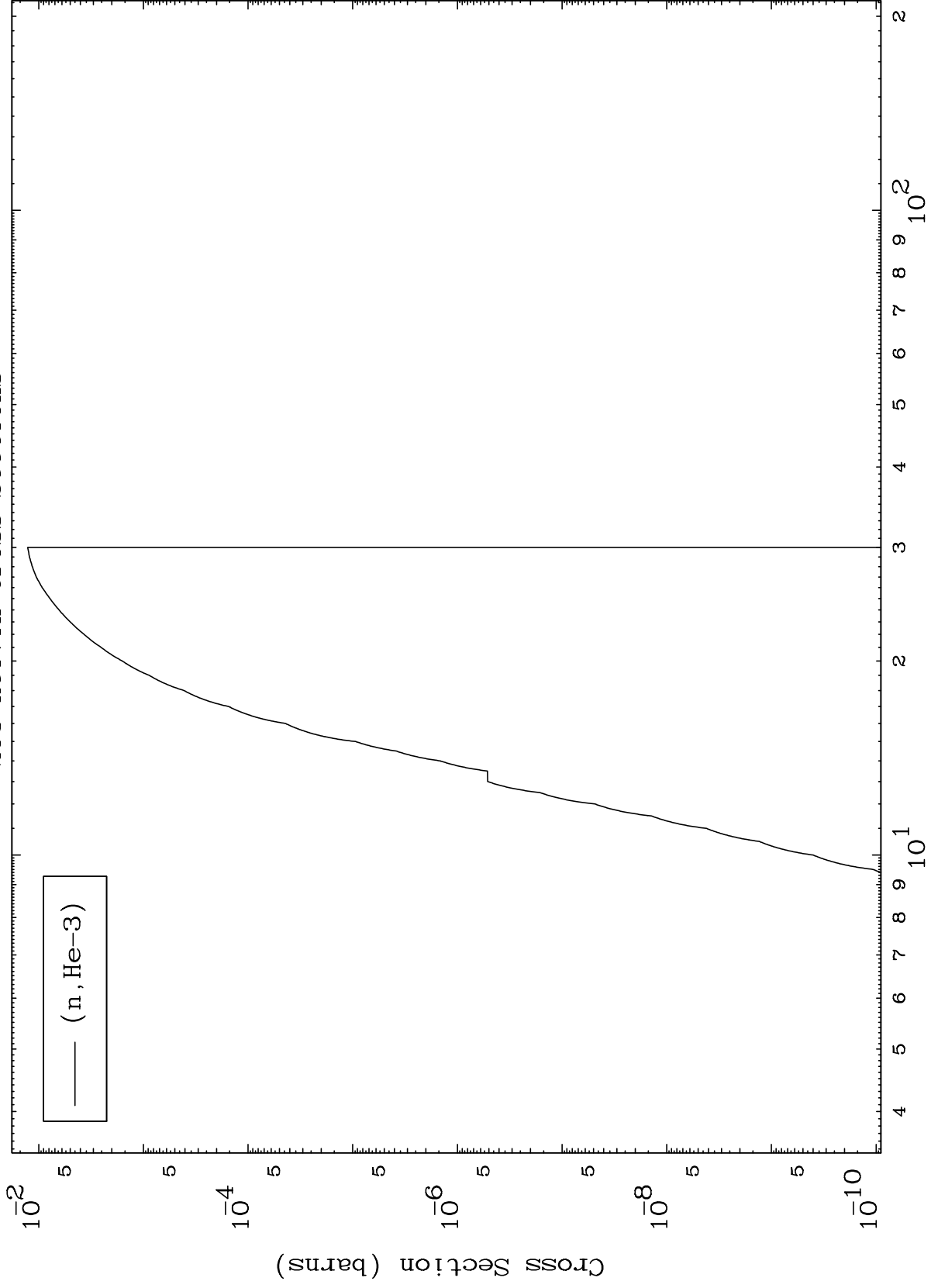
Incident Energy (MeV)

39-Y -83

MAT 3907

(n,He3) Levels
293 Kelvin Cross Sections

39-Y -83



14

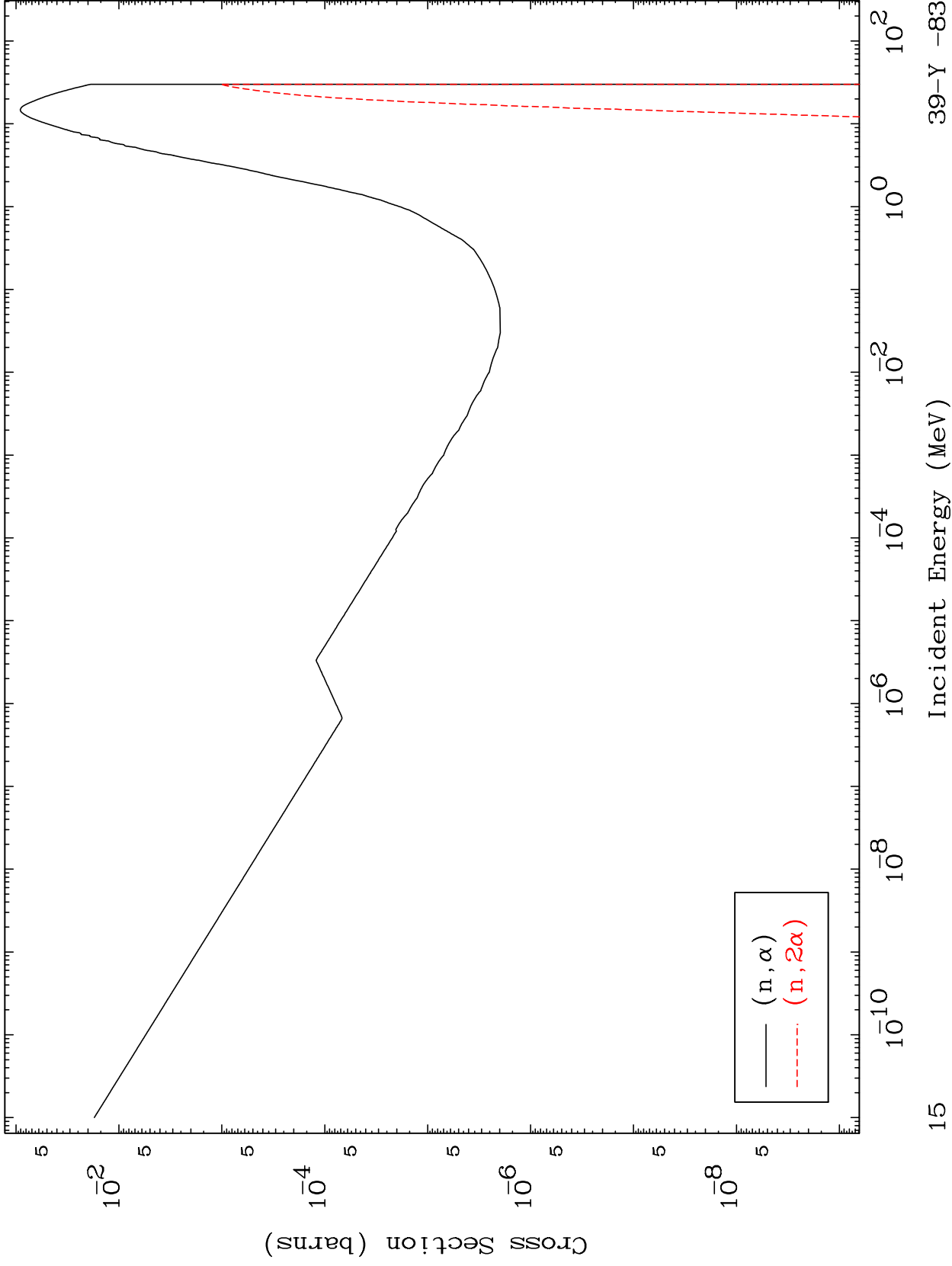
Incident Energy (MeV)

39-Y -83

MAT 3907

(n,α) Levels
293 Kelvin Cross Sections

39-Y -83



15

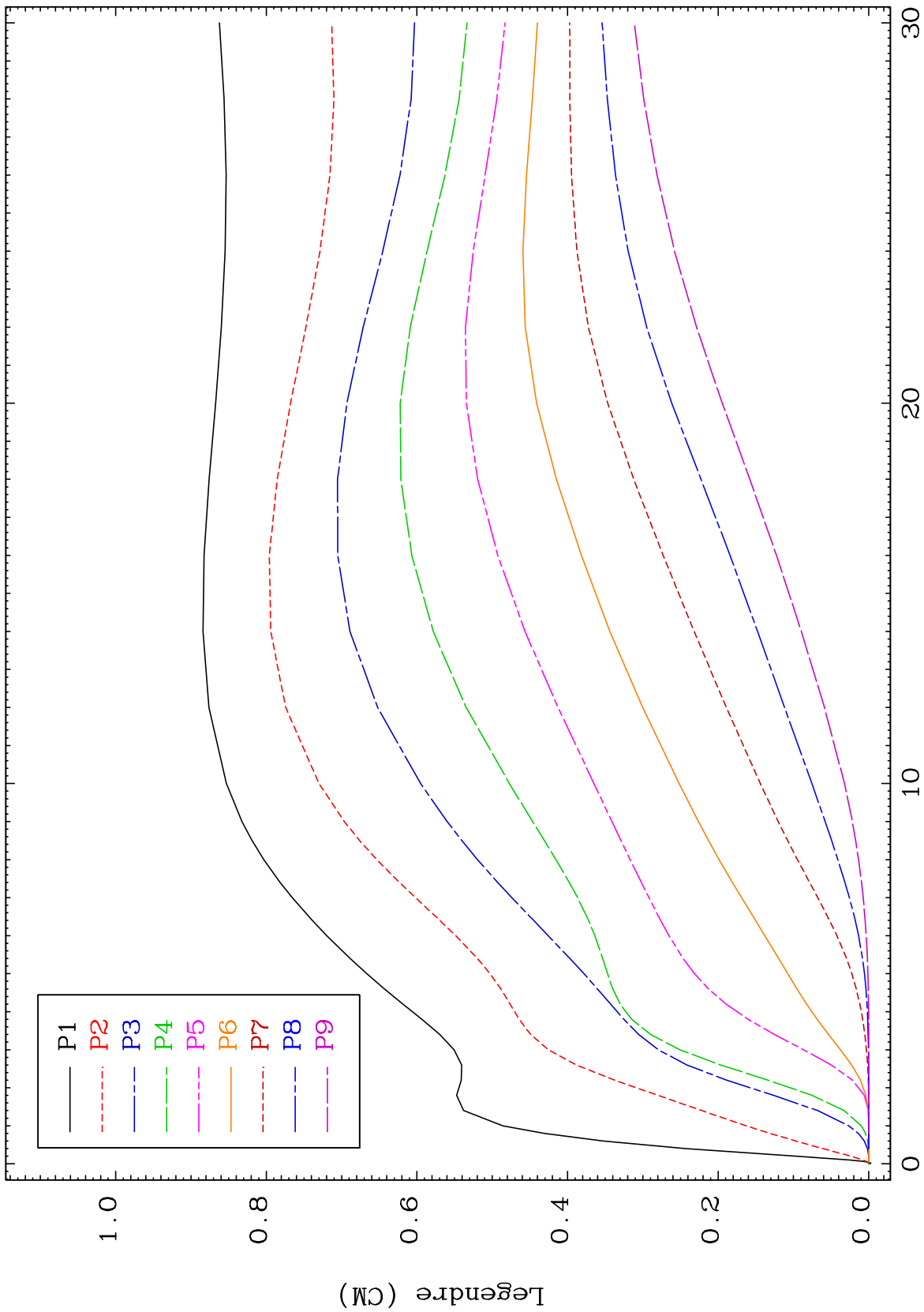
Incident Energy (MeV)

39-Y -83

MAT 3907

Elastic Legendre Coefficients

39-Y -83



16

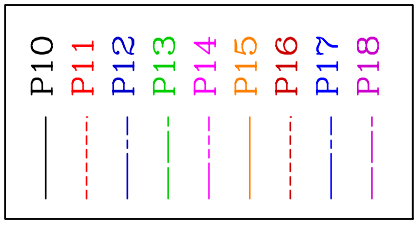
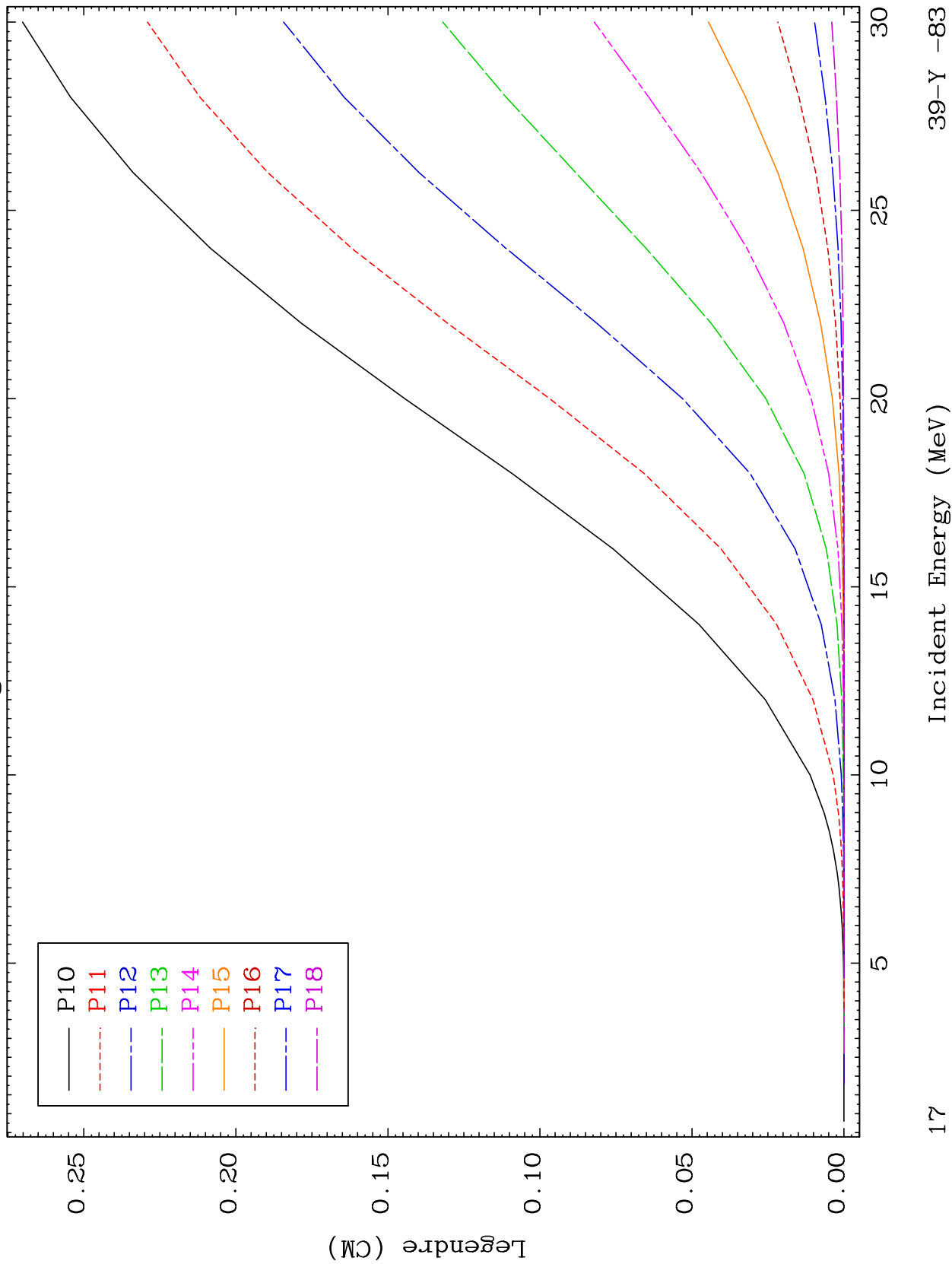
Incident Energy (MeV)

39-Y -83

MAT 3907

Elastic Legendre Coefficients

39-Y -83

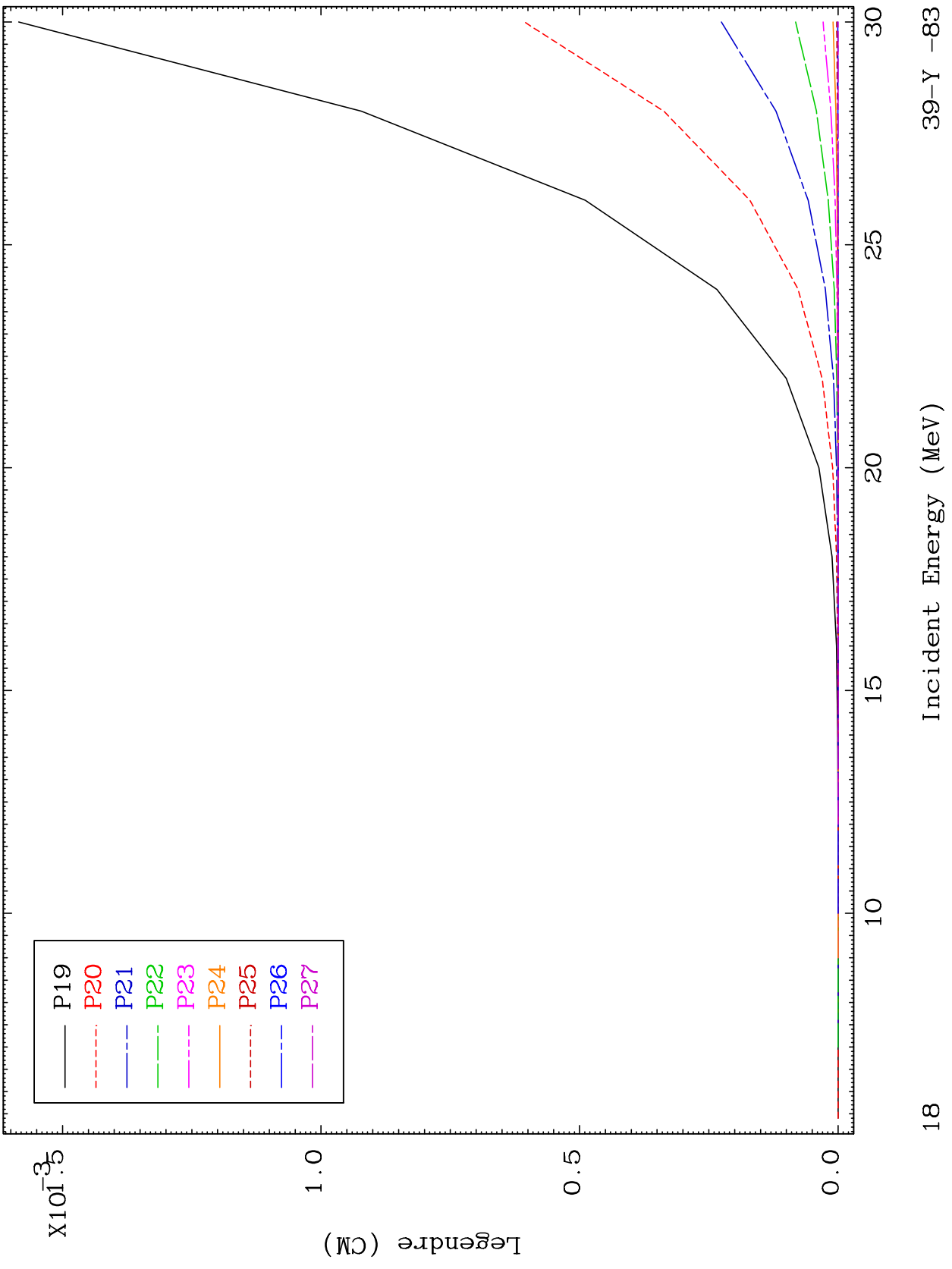


17

MAT 3907

Elastic Legendre Coefficients

39-Y -83



18

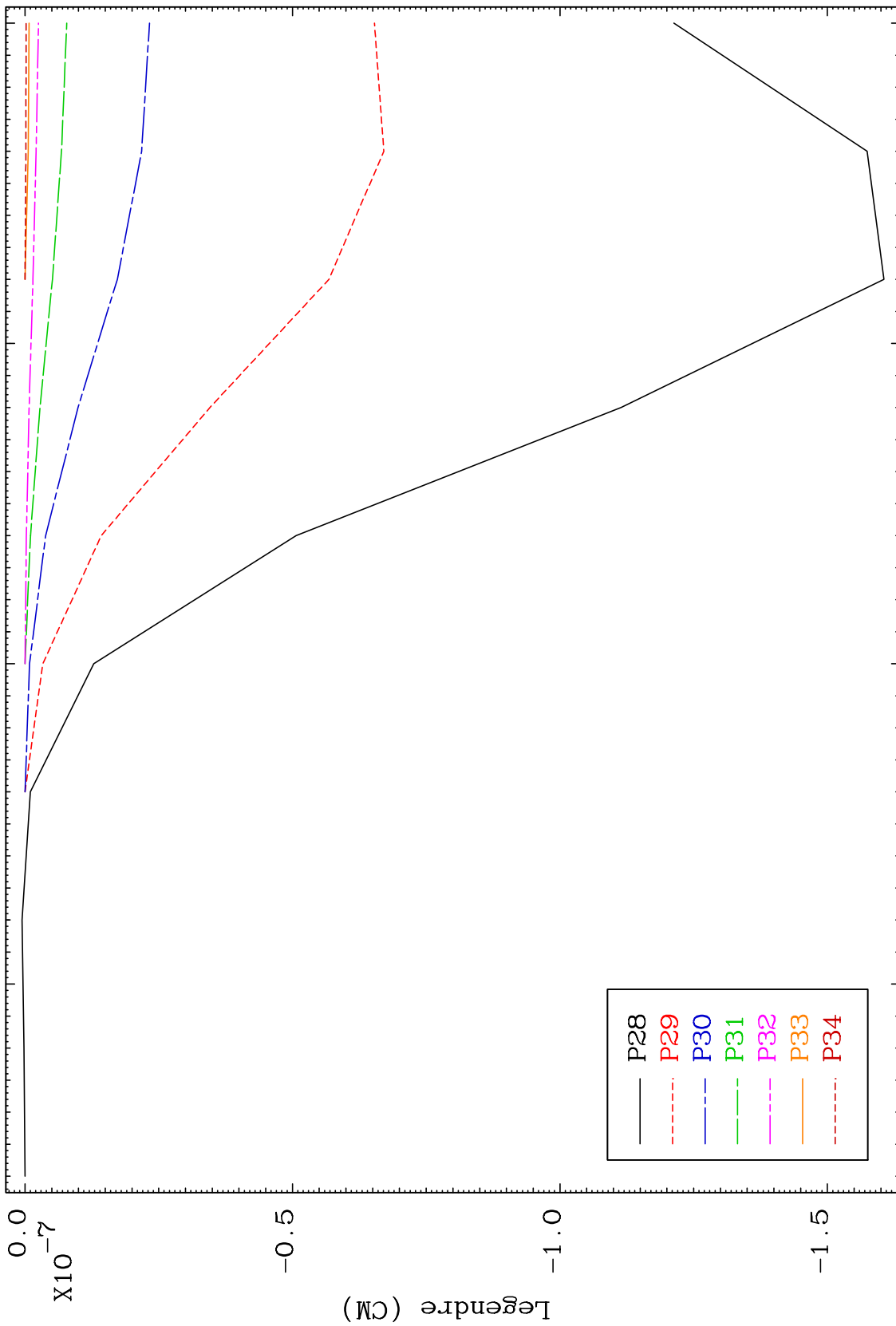
Incident Energy (MeV)

39-Y -83

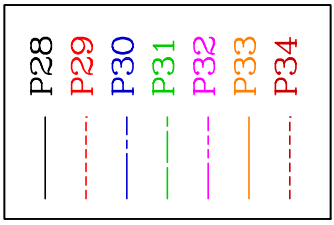
MAT 3907

39-Y -83

Elastic Legendre Coefficients



Legendre (CM)
X10⁻⁷



19

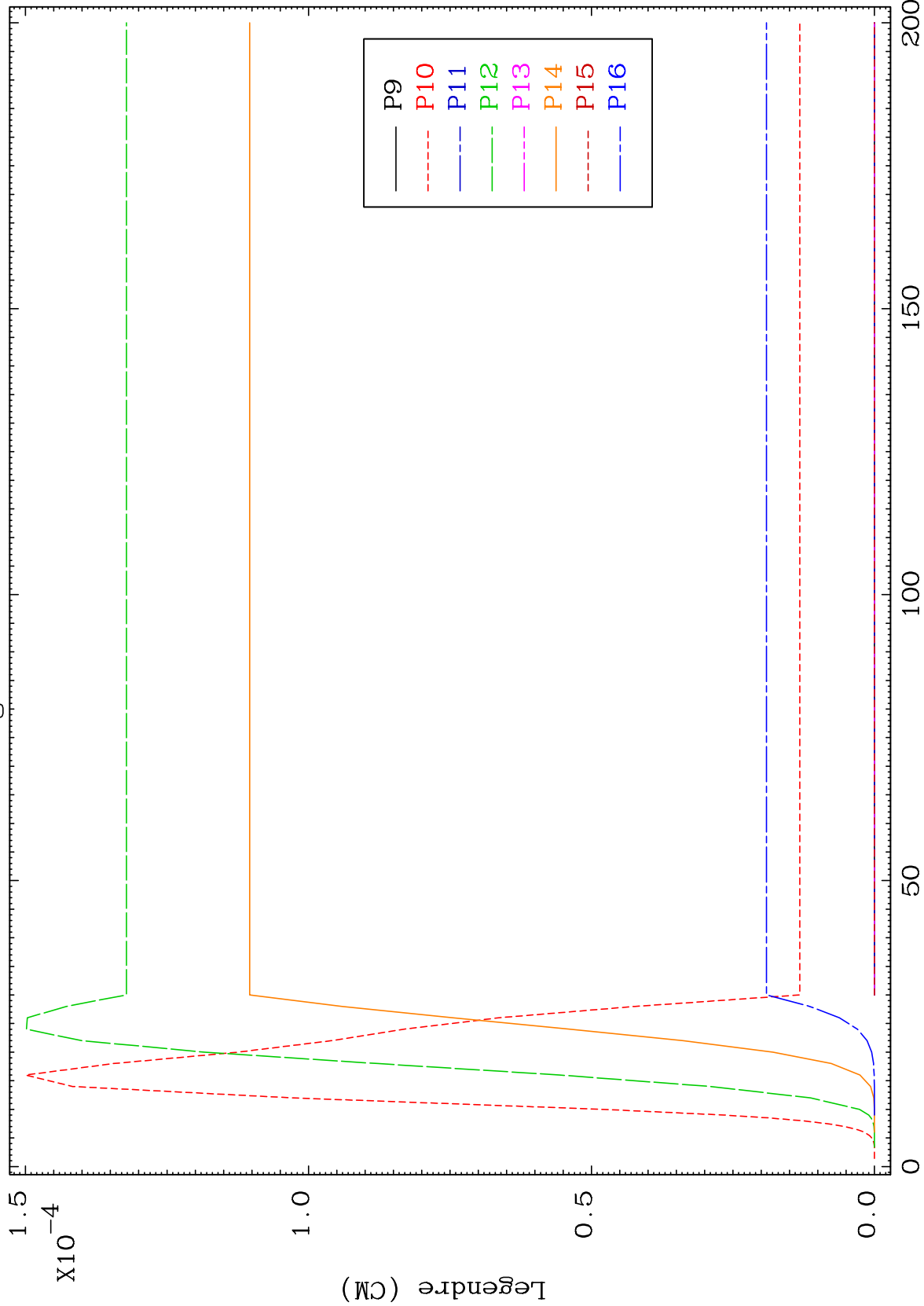
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



21

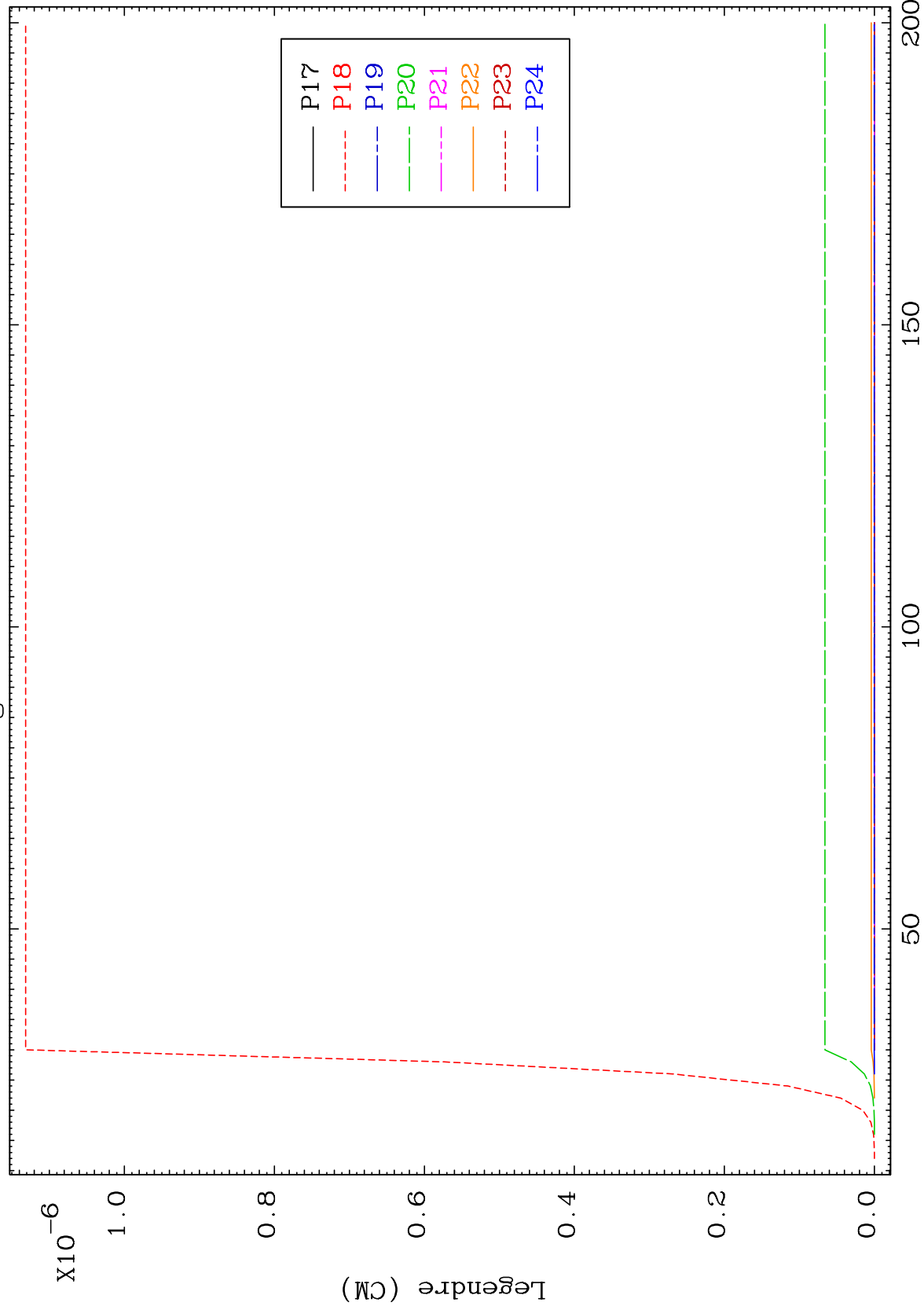
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



22

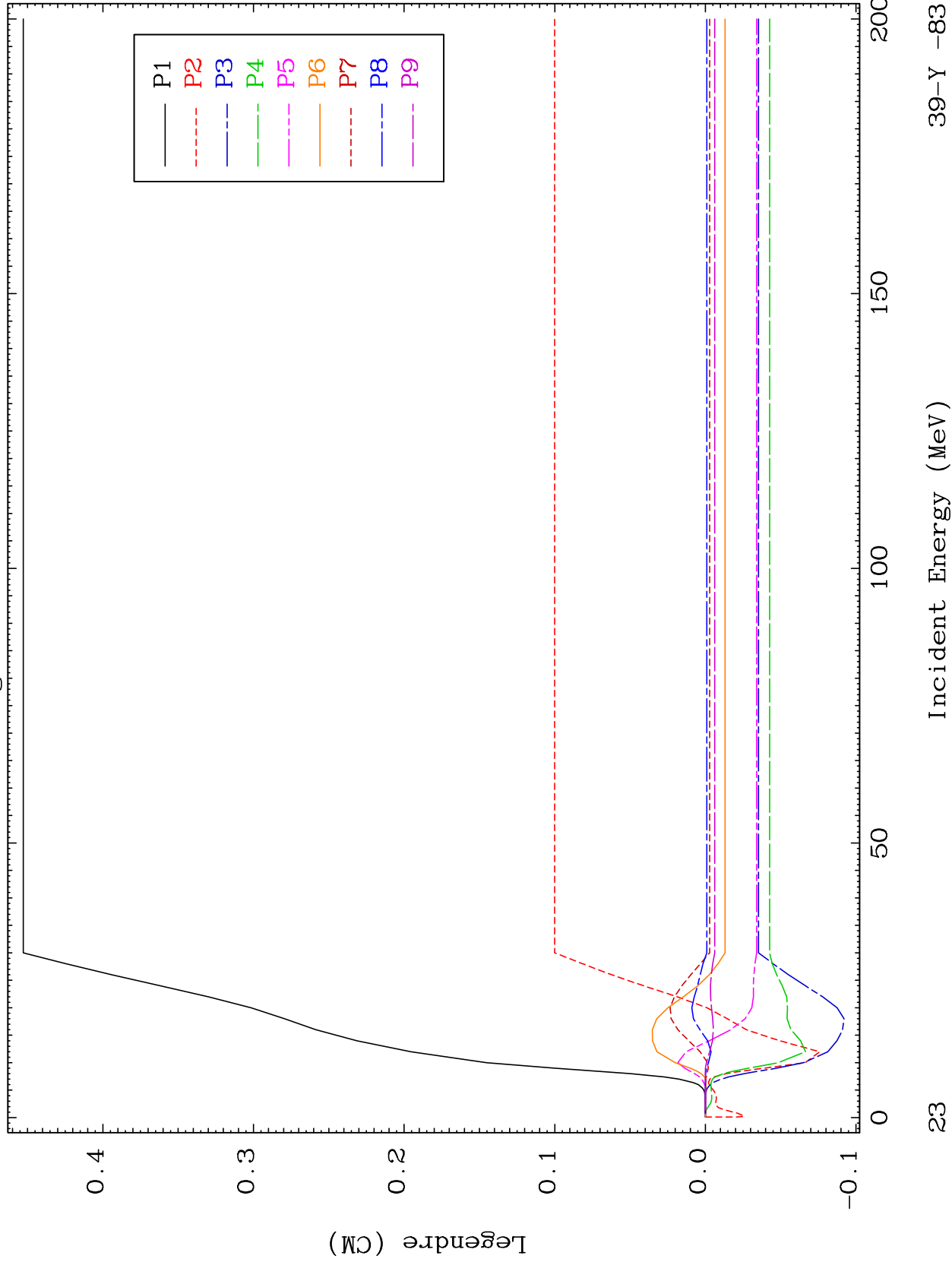
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



39-Y -83

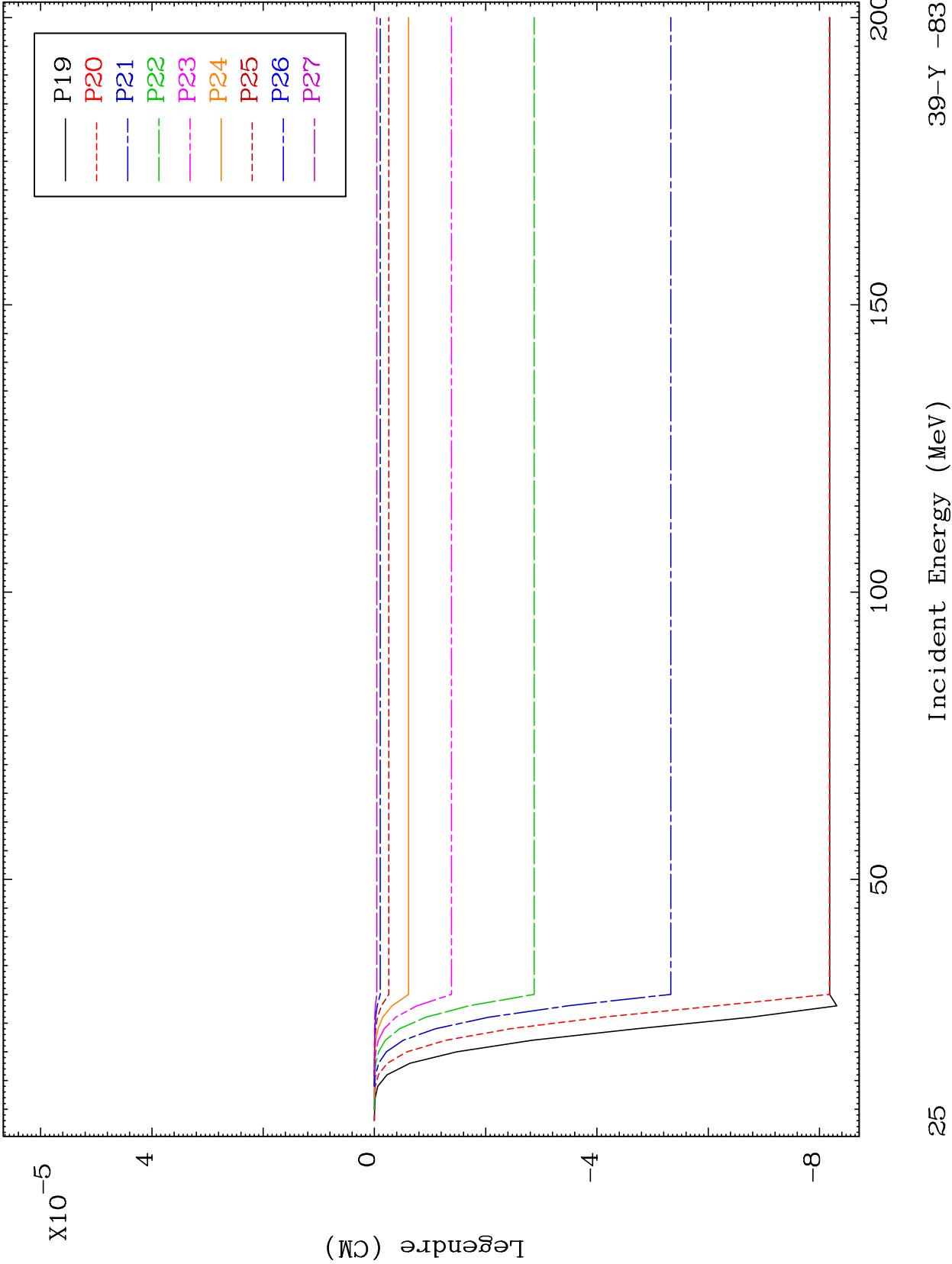
Incident Energy (MeV)

23

MAT 3907

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

39-Y -83



25

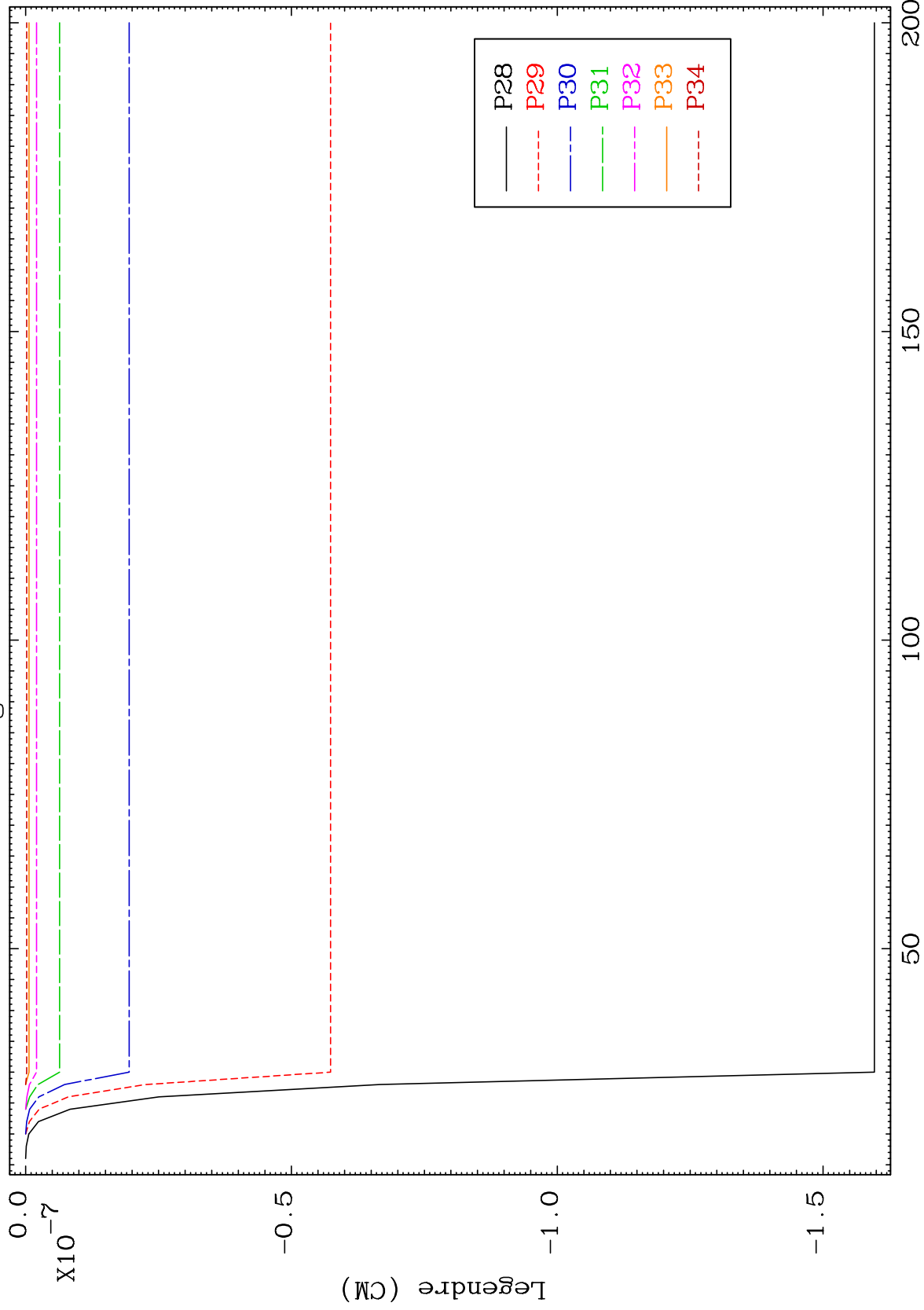
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



26

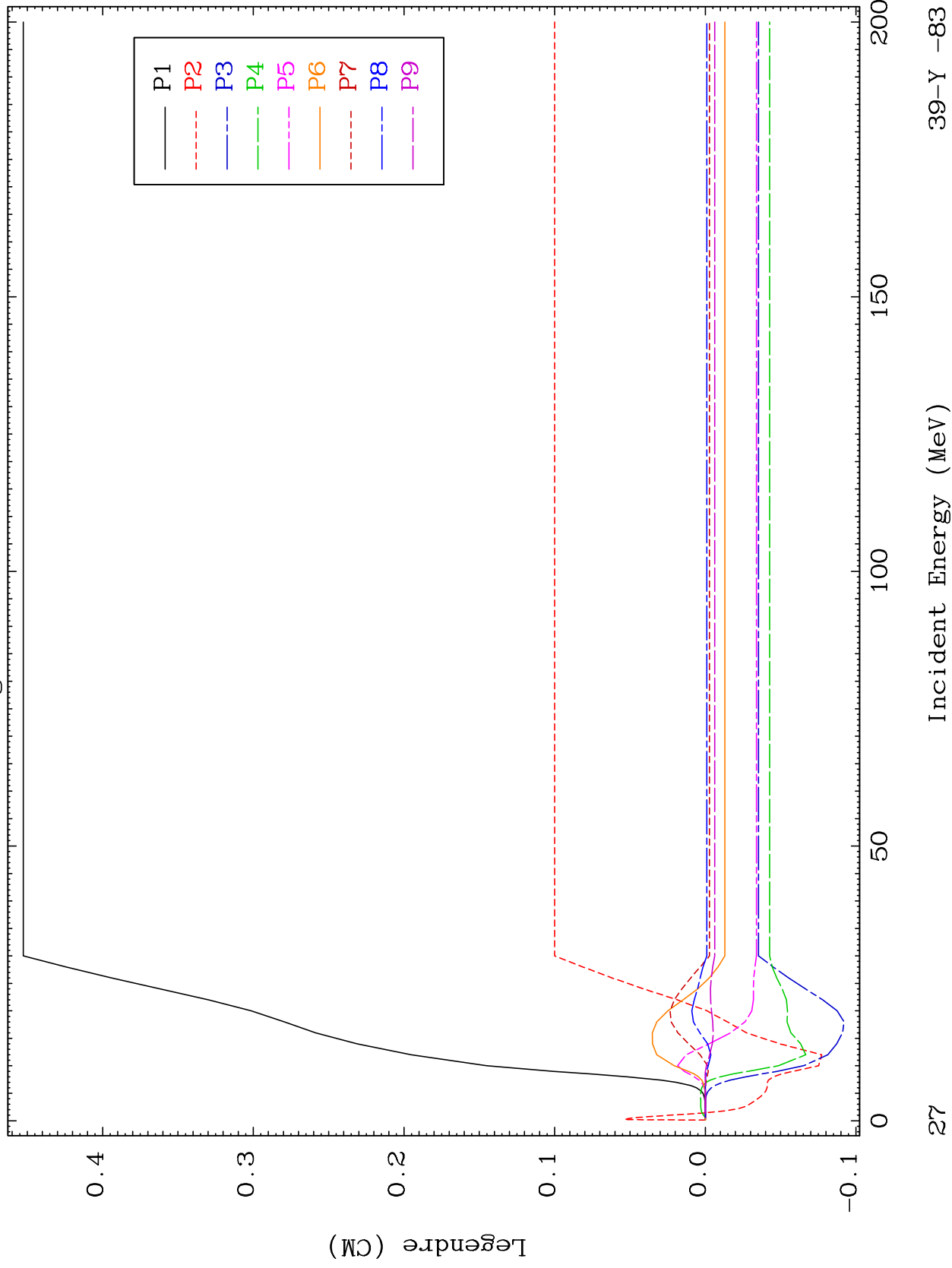
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



39-Y -83

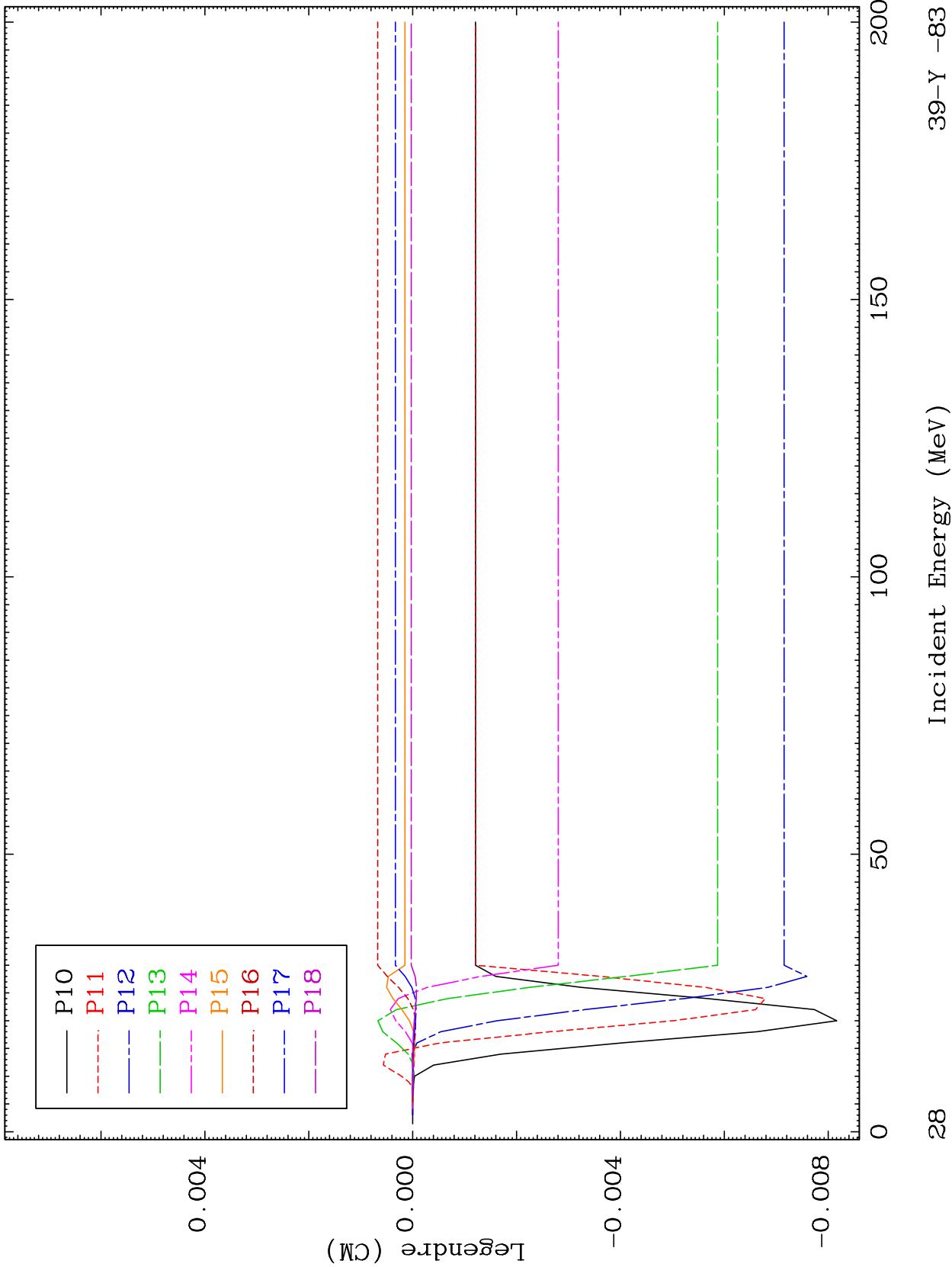
Incident Energy (MeV)

27

MAT 3907

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

39-Y -83



28

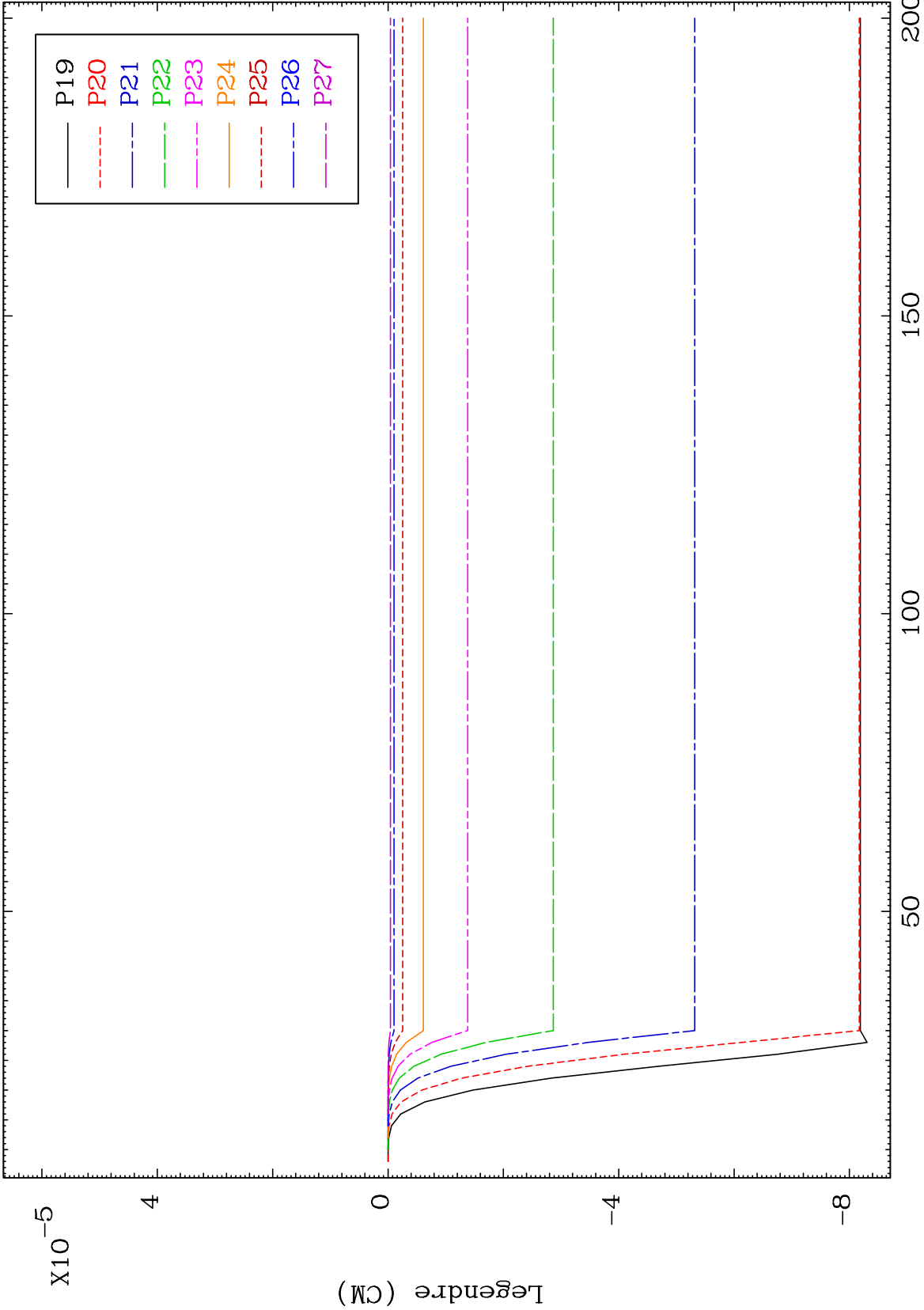
Incident Energy (MeV)

39-Y -83

MAT 3907

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

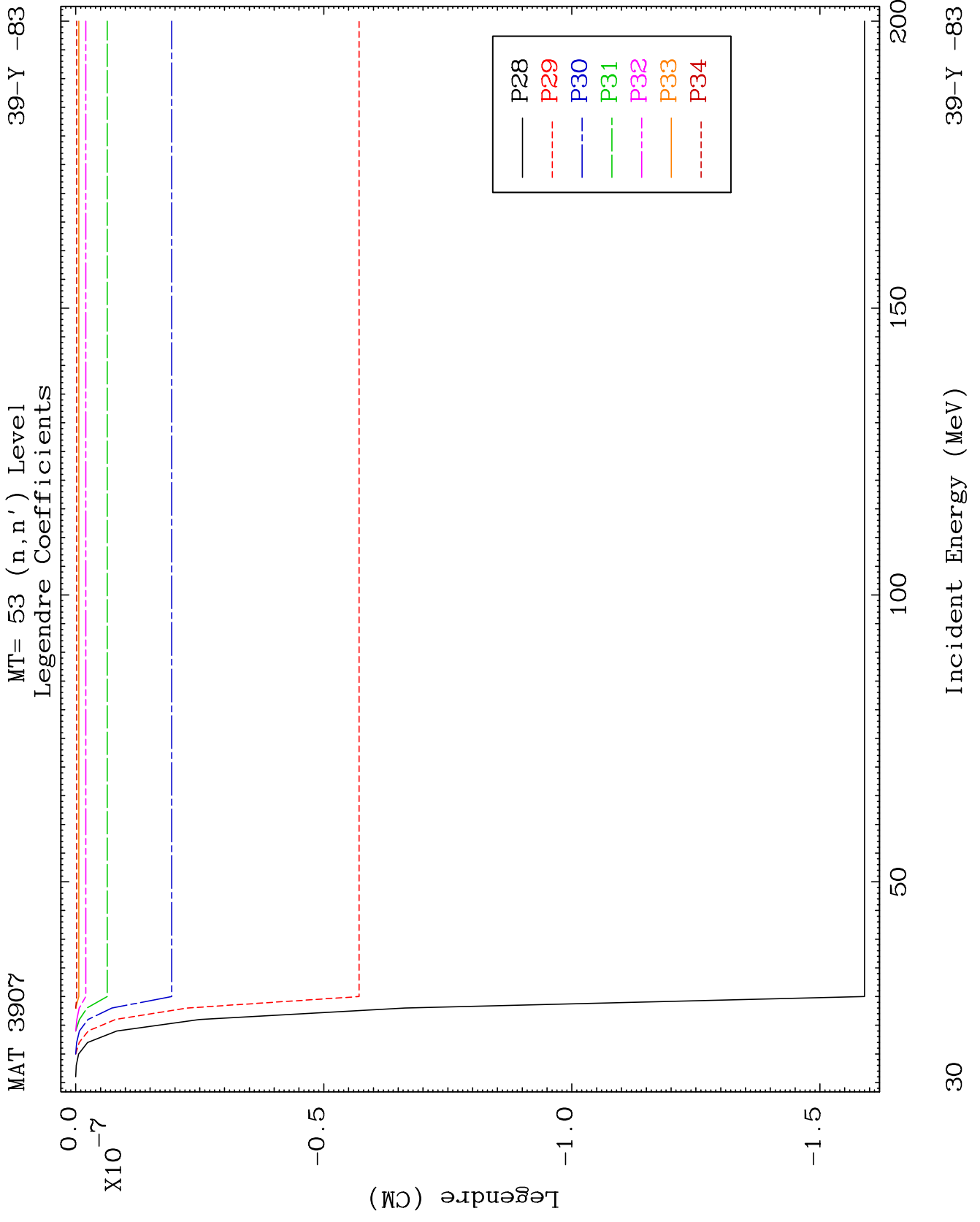
39-Y -83



29

Incident Energy (MeV)

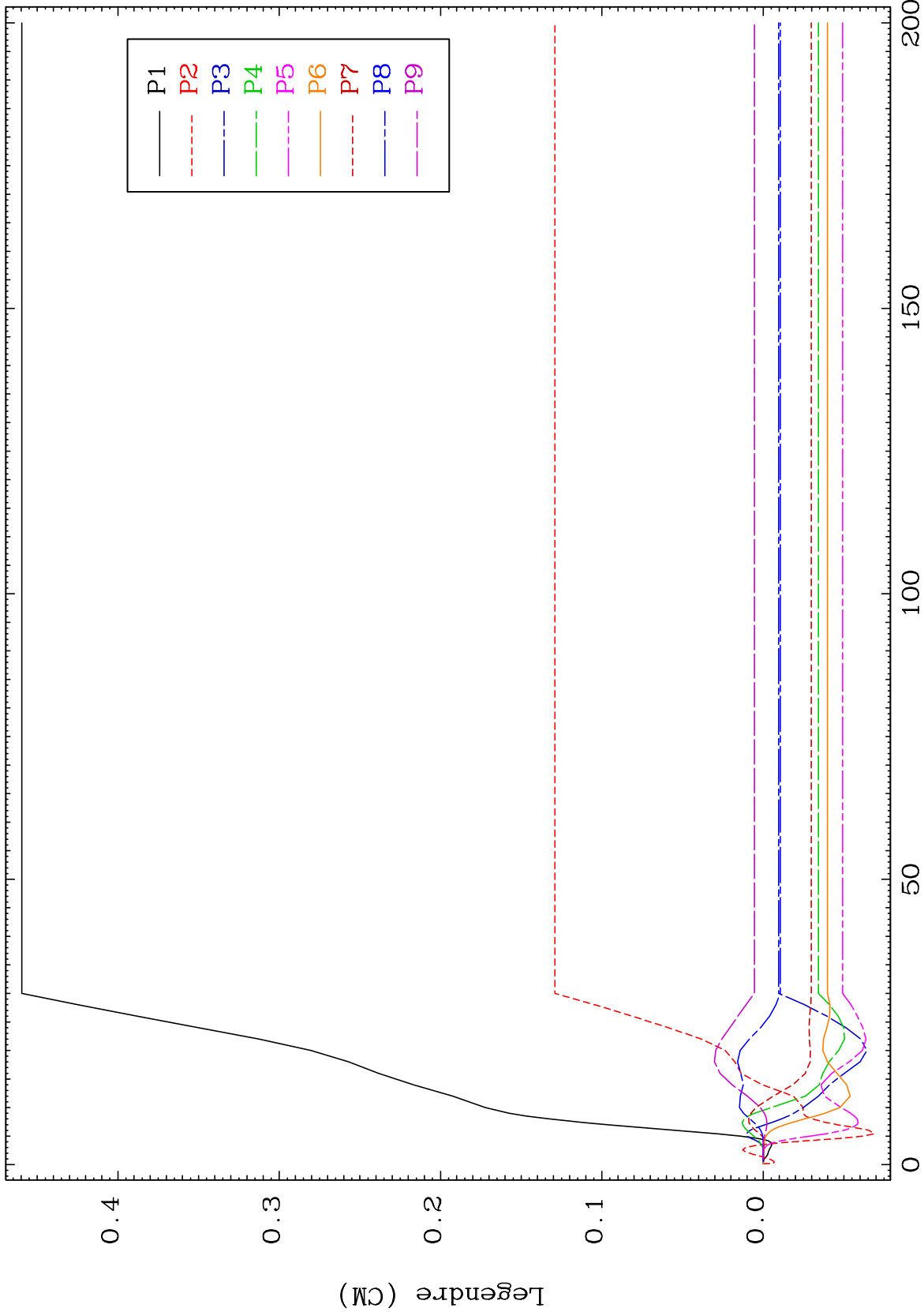
39-Y -83



MAT 3907

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

39-Y -83



31

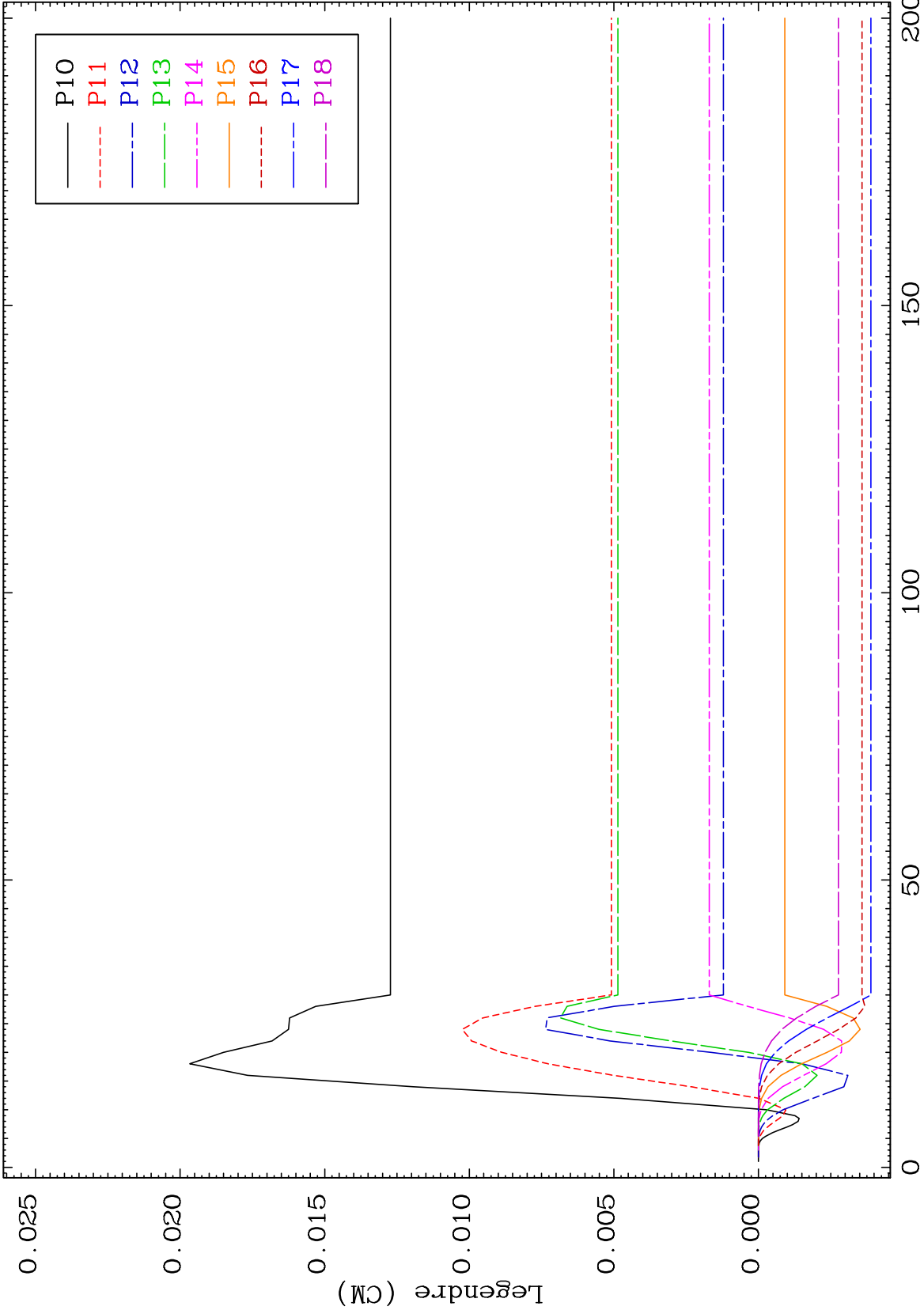
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



32

Incident Energy (MeV)

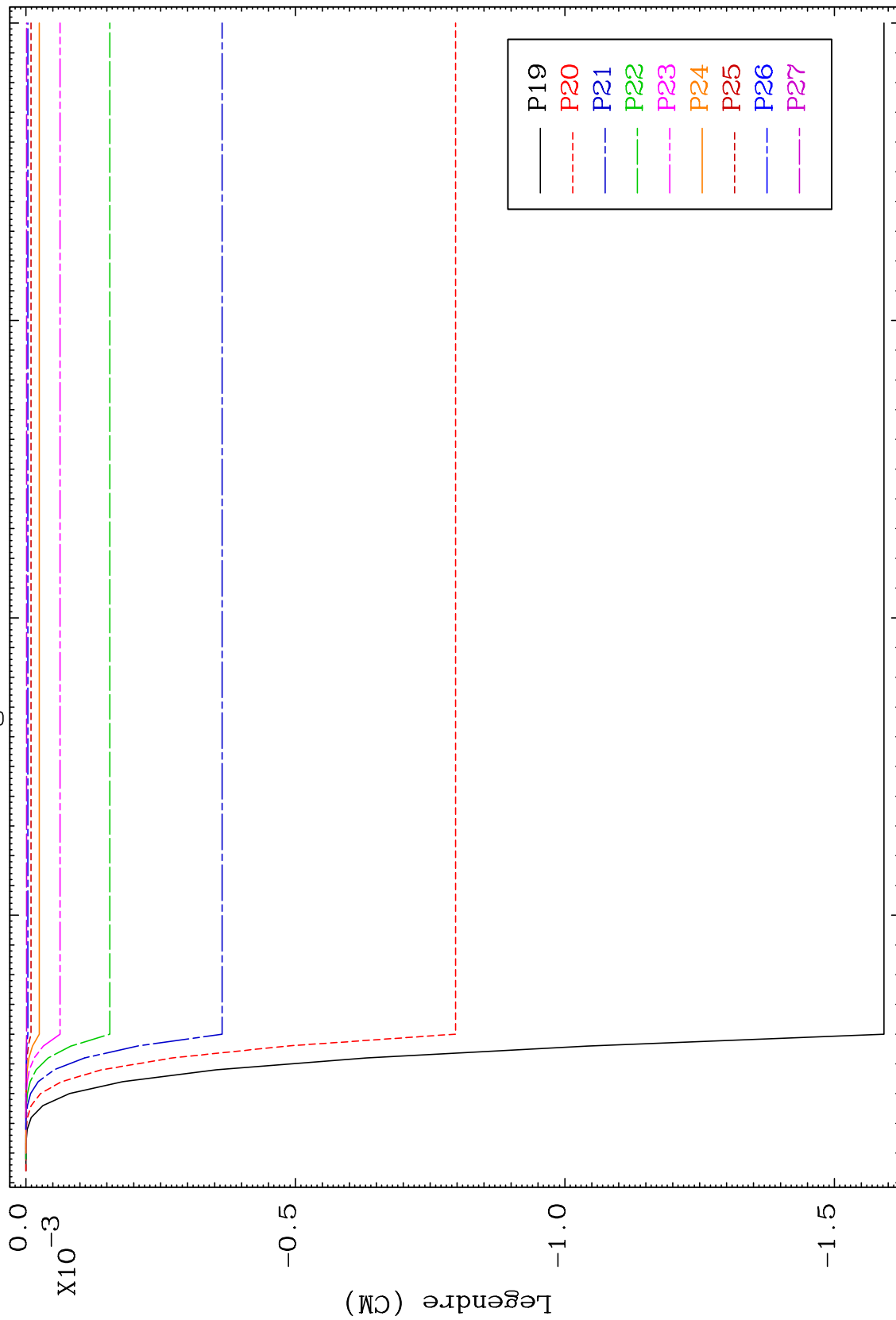
39-Y -83

MAT 3907

MT= 54 (n,n') Level

Legendre Coefficients

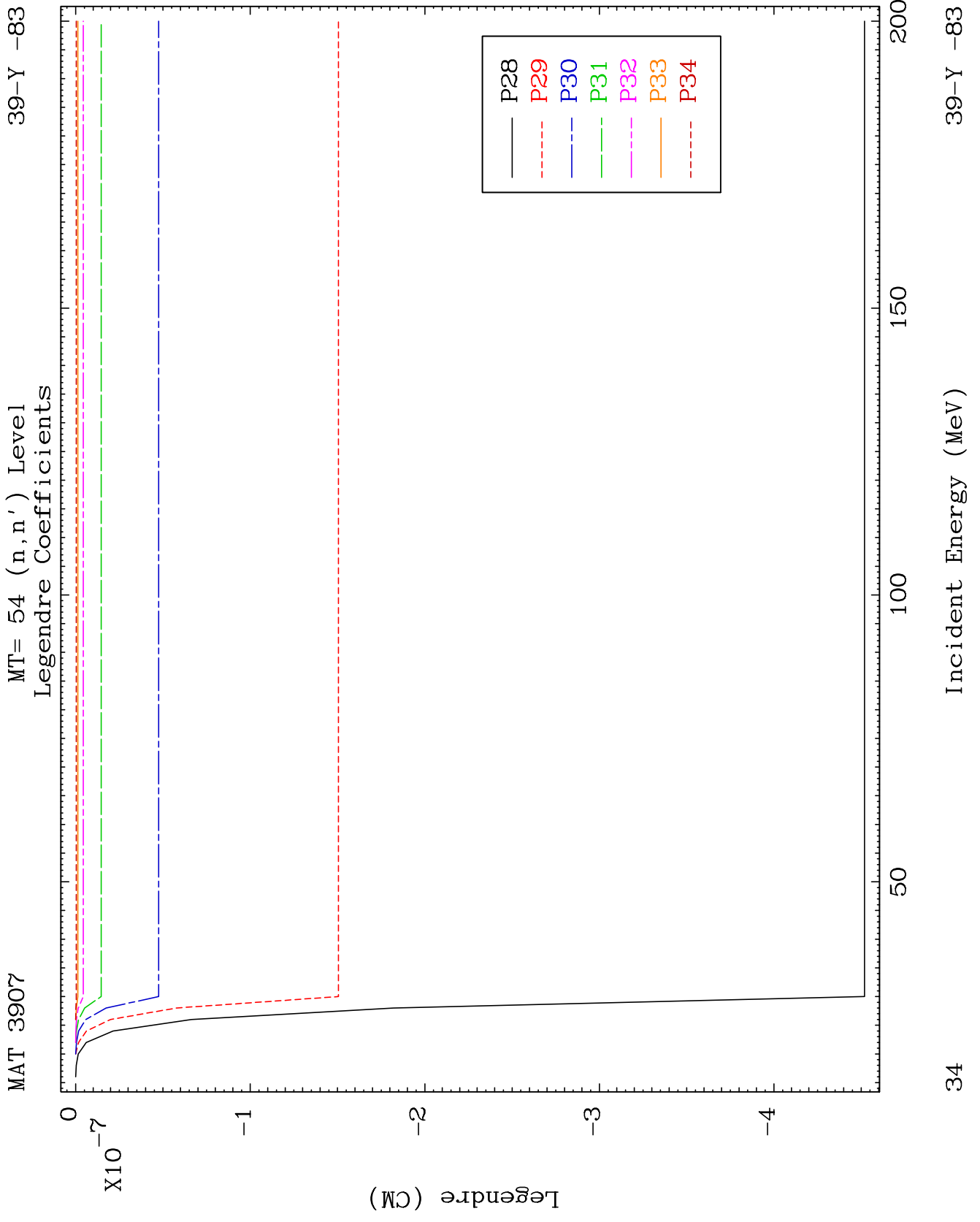
39-Y -83



39-Y -83

Incident Energy (MeV)

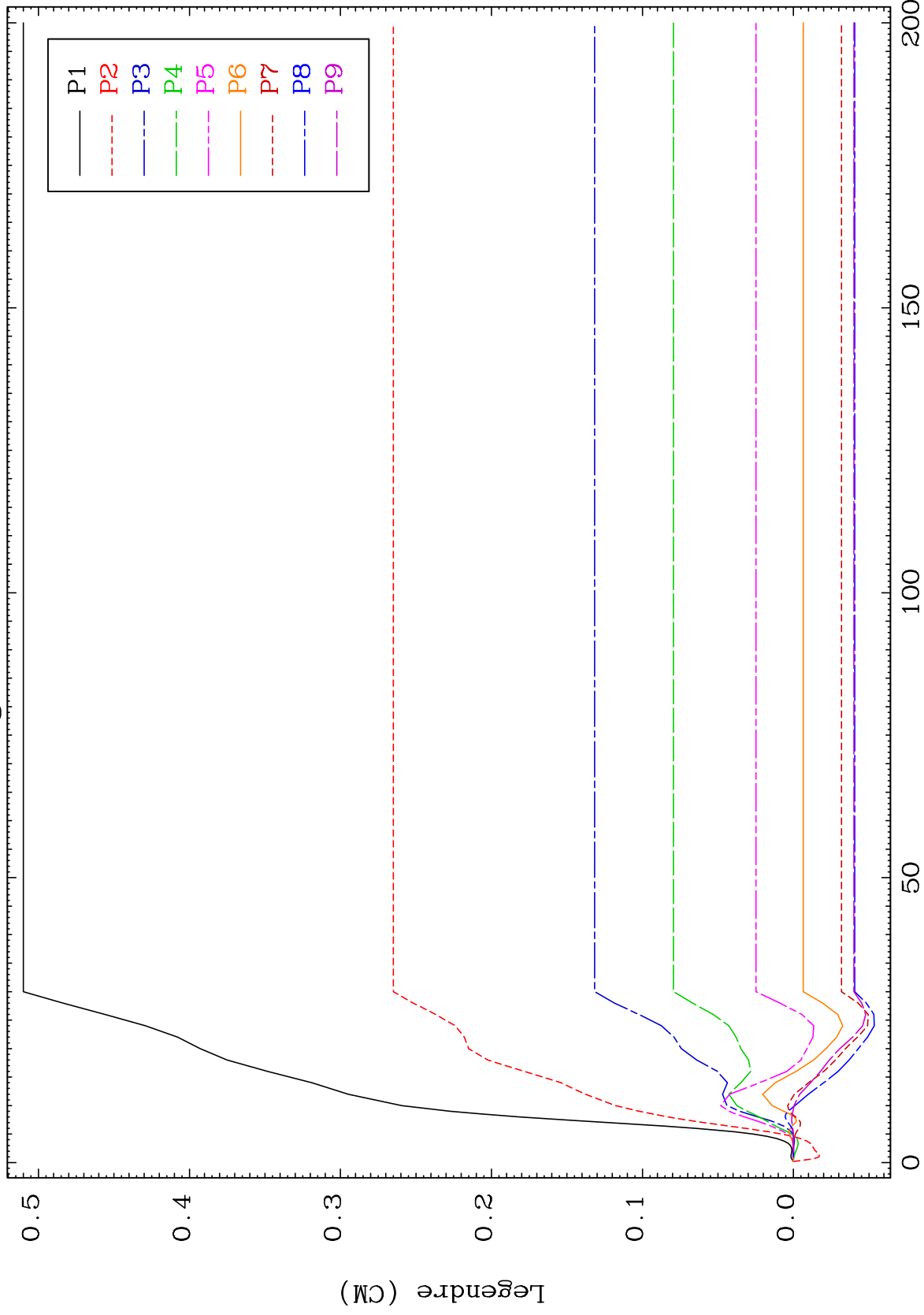
33



MAT 3907

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

39-Y -83



39-Y -83

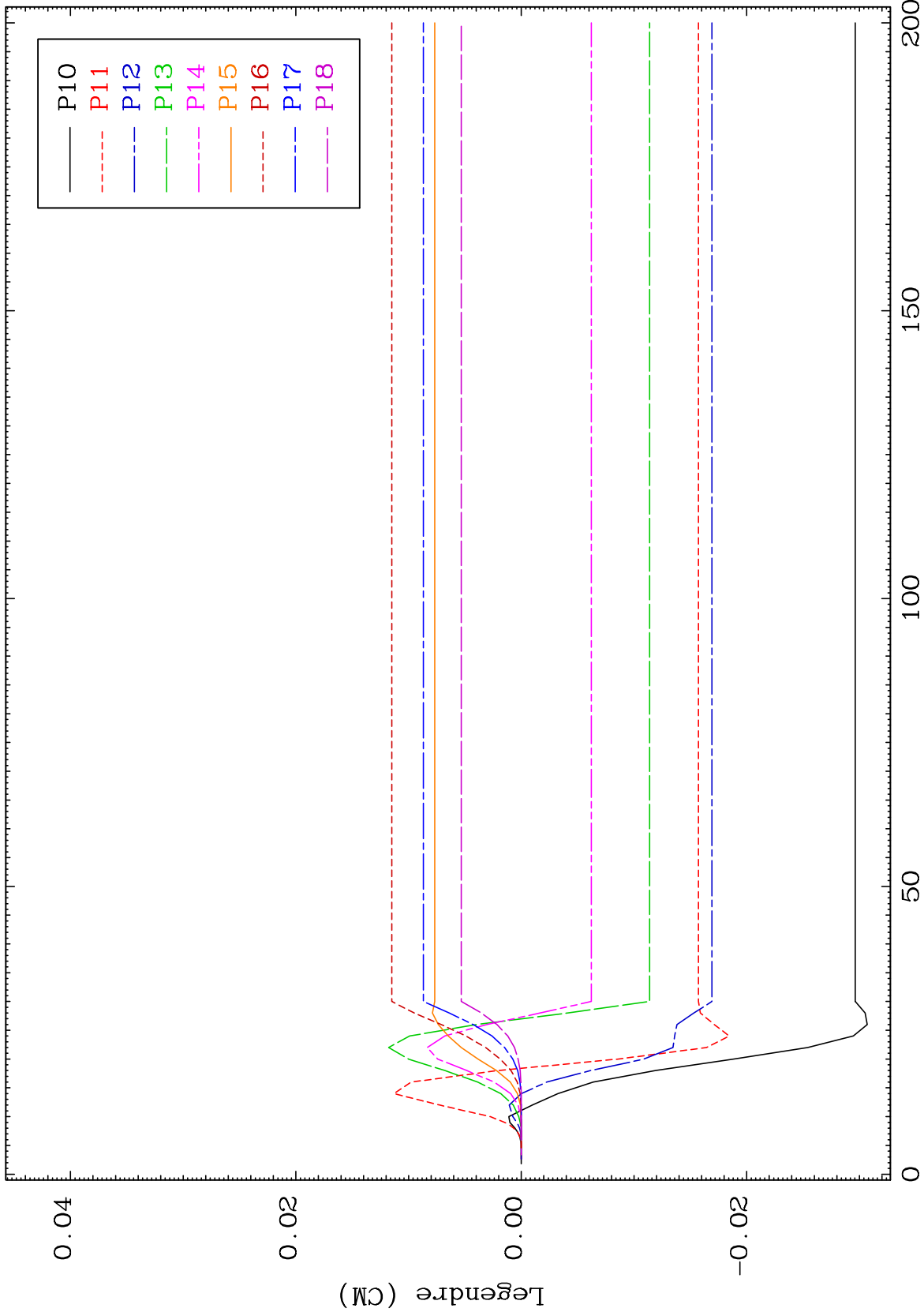
Incident Energy (MeV)

35

MAT 3907

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

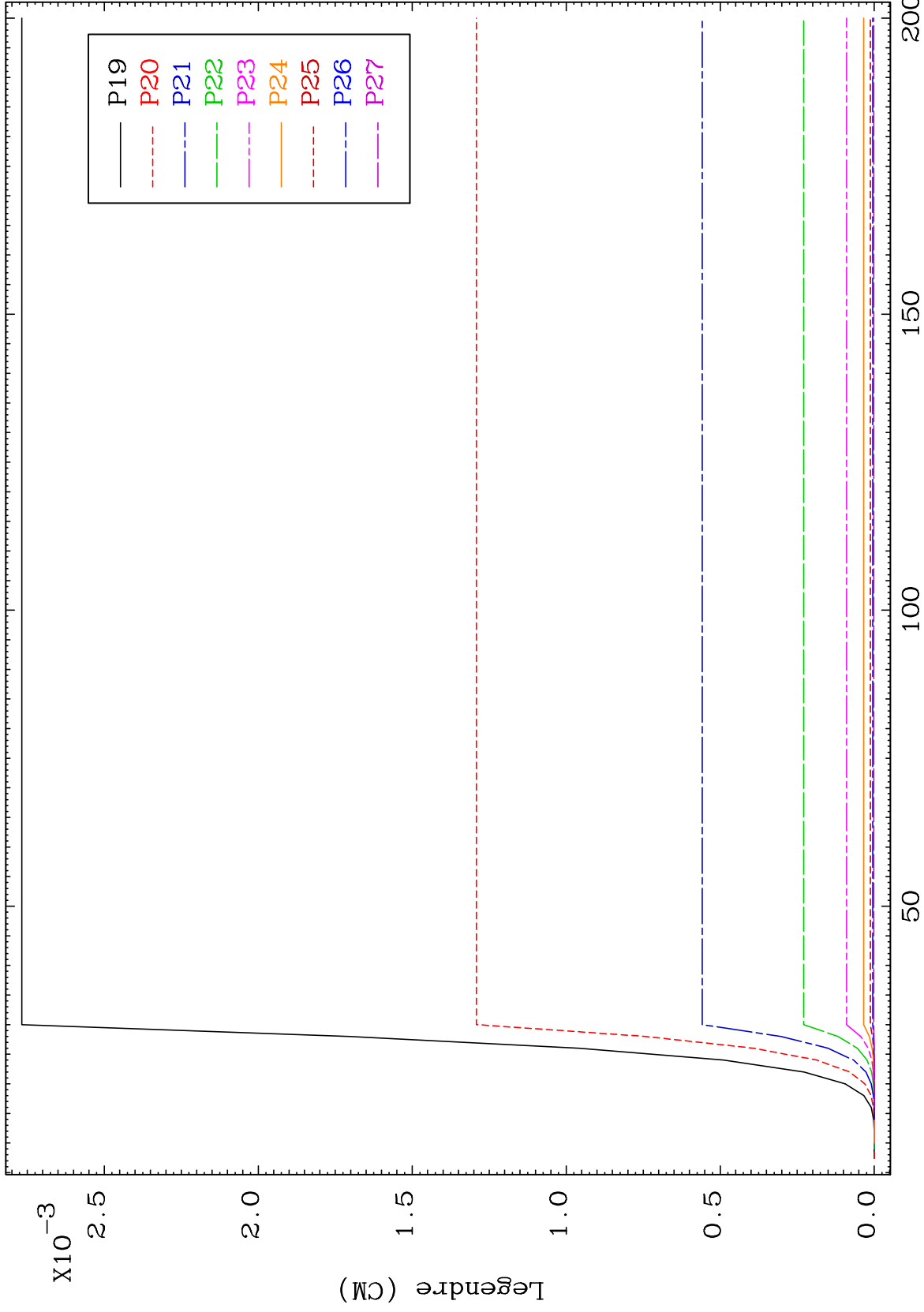
39-Y -83



36

Incident Energy (MeV)

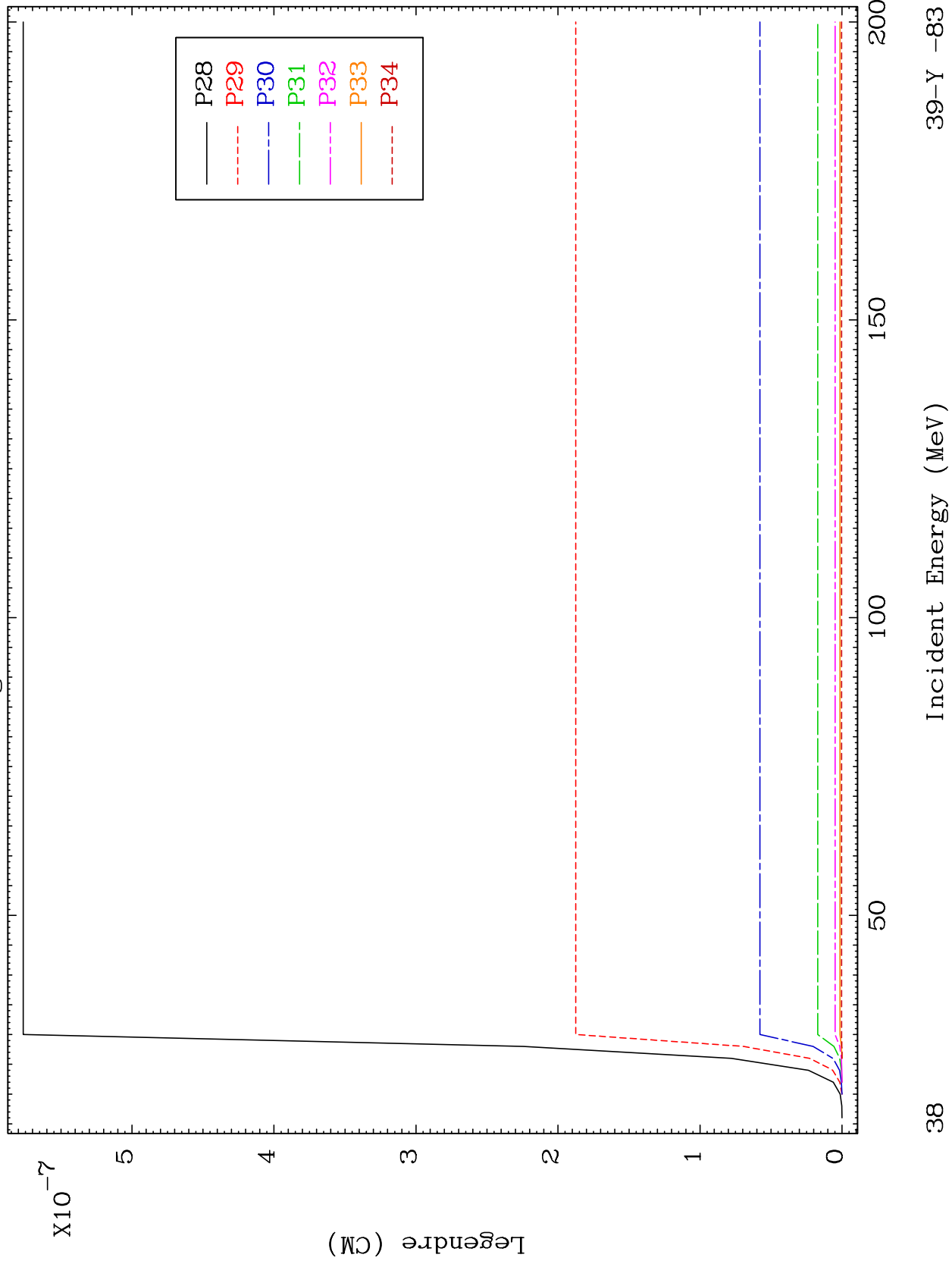
39-Y -83

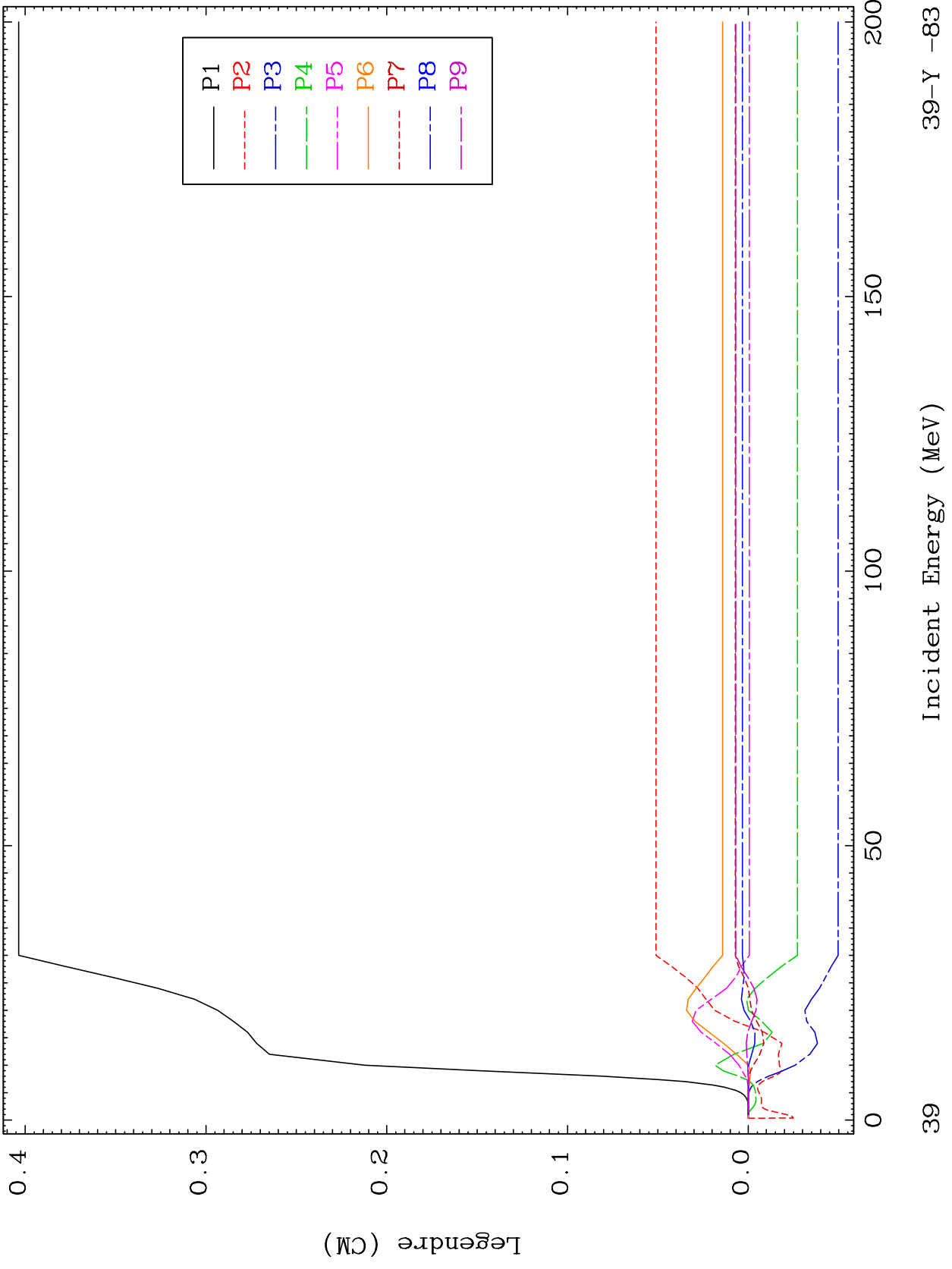


MAT 3907

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

39-Y -83

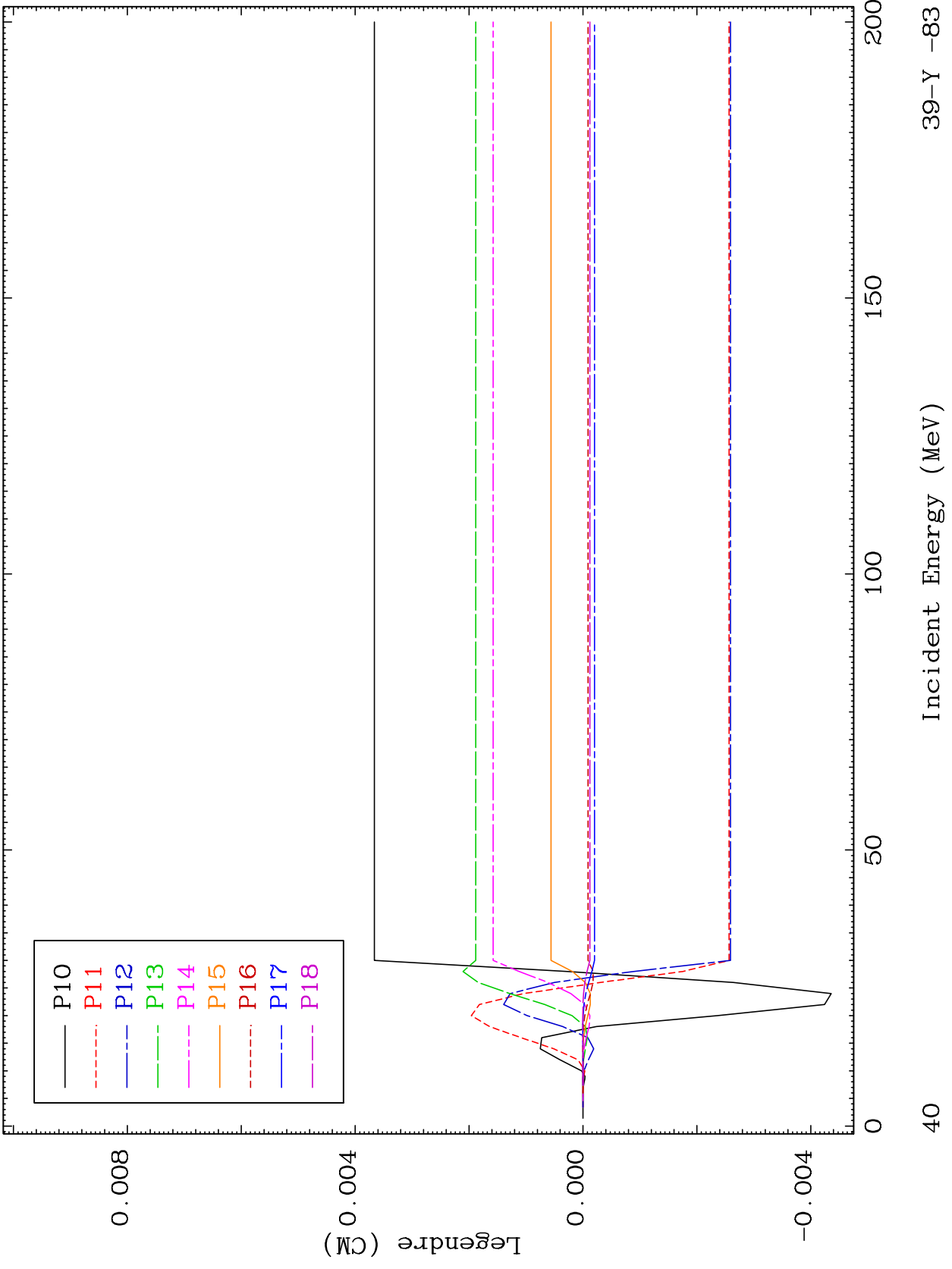




MAT 3907

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

39-Y -83

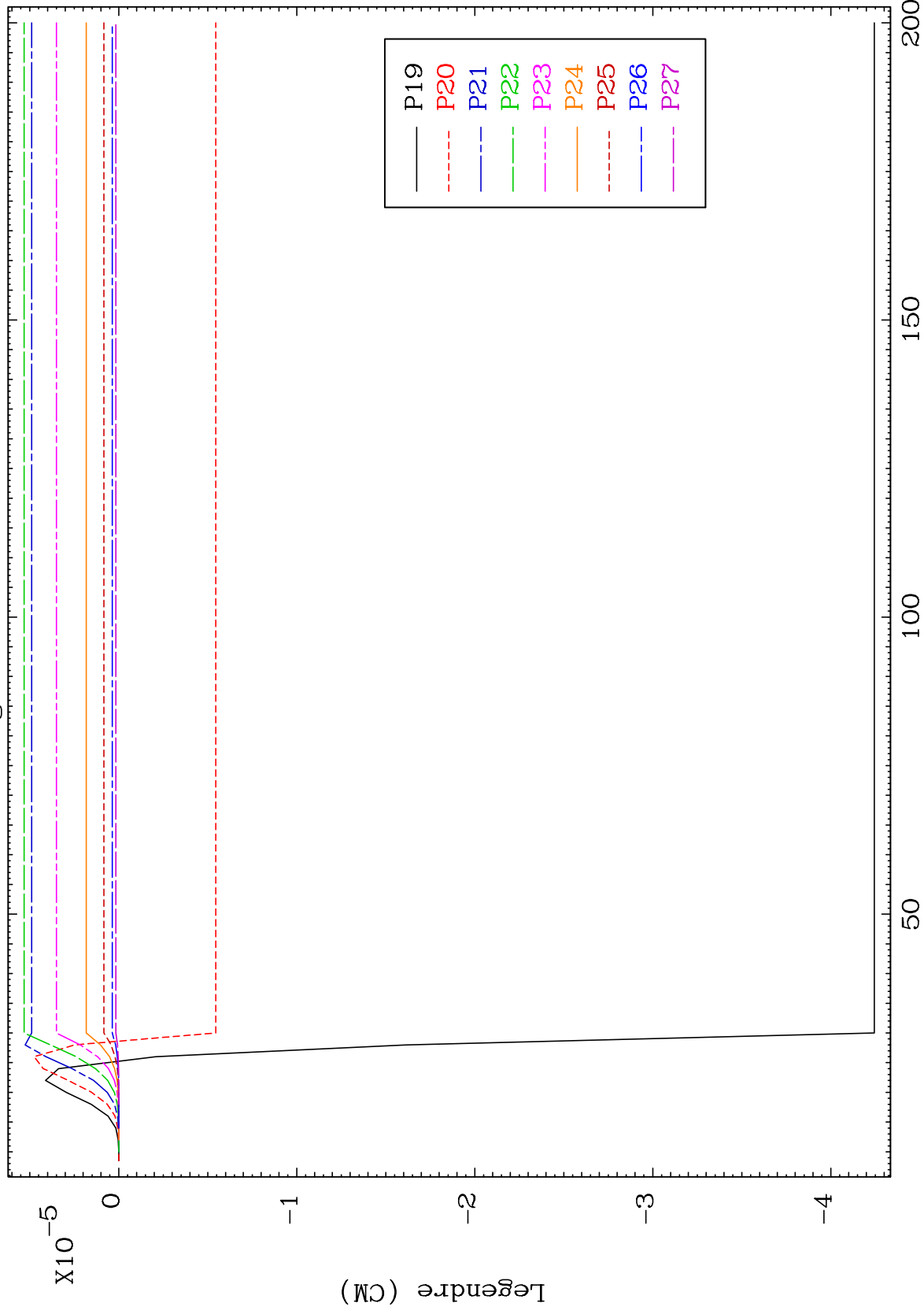


39-Y -83

MAT 3907

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

39-Y -83



41

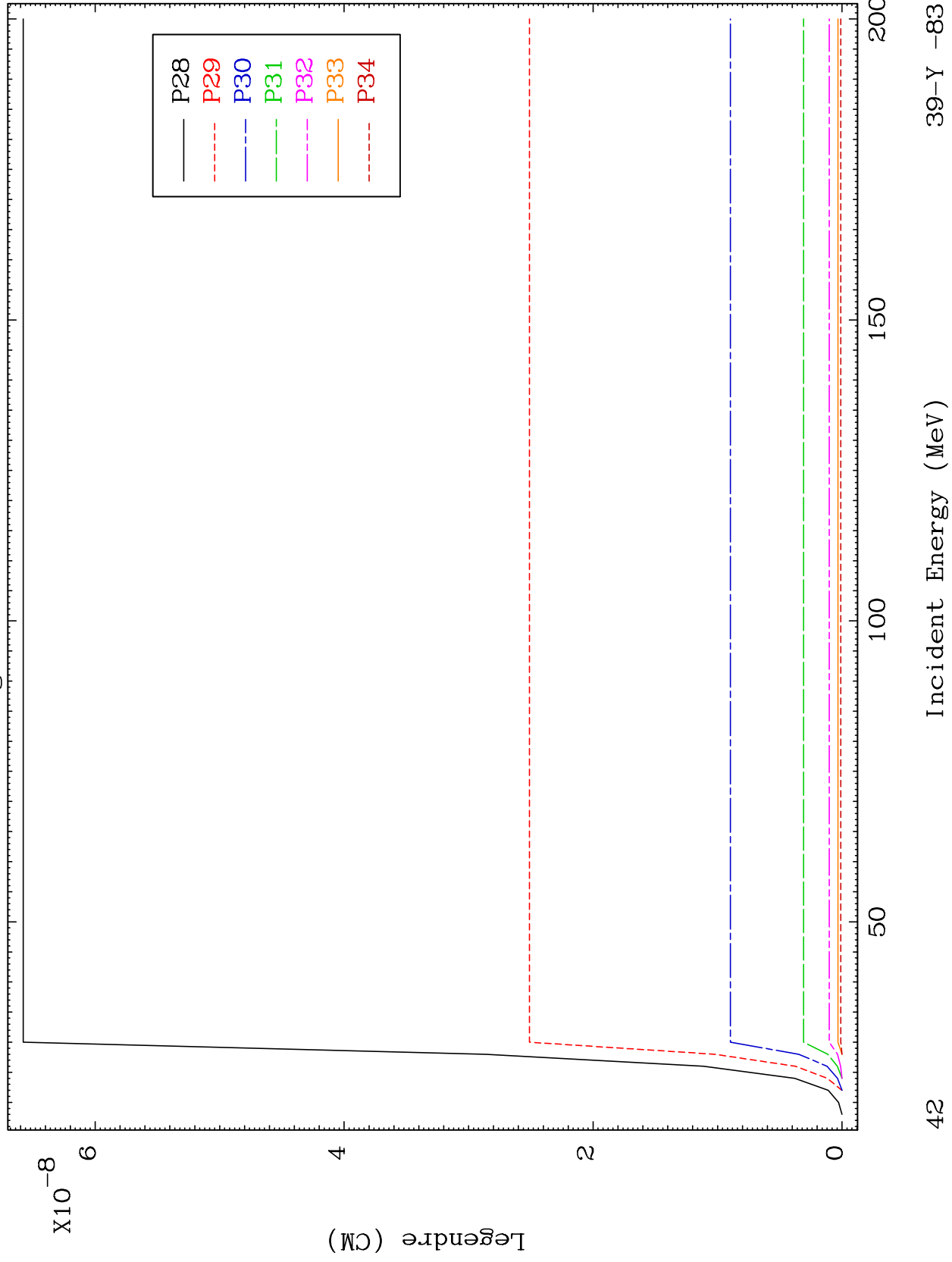
Incident Energy (MeV)

39-Y -83

MAT 3907

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

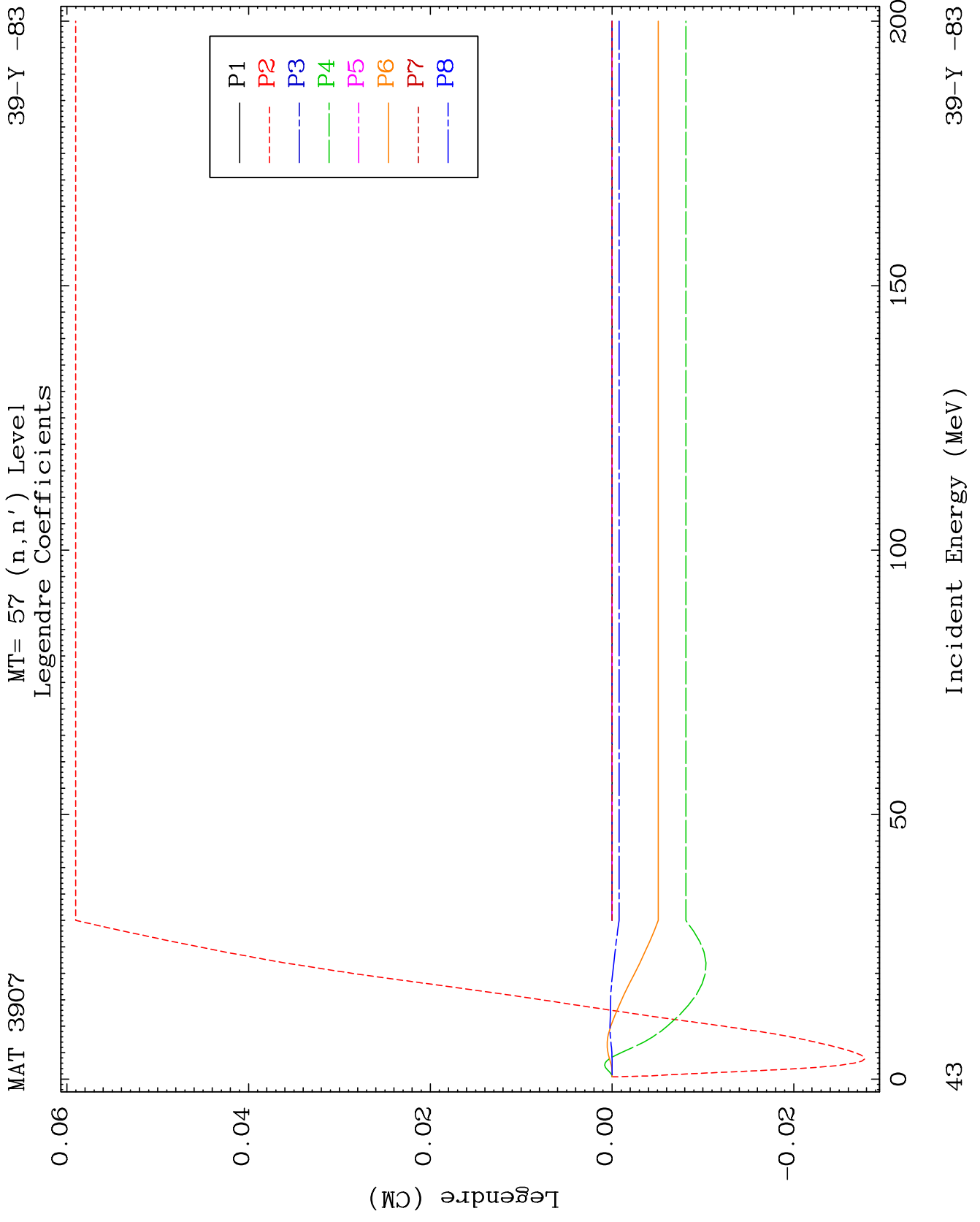
39-Y -83



42

Incident Energy (MeV)

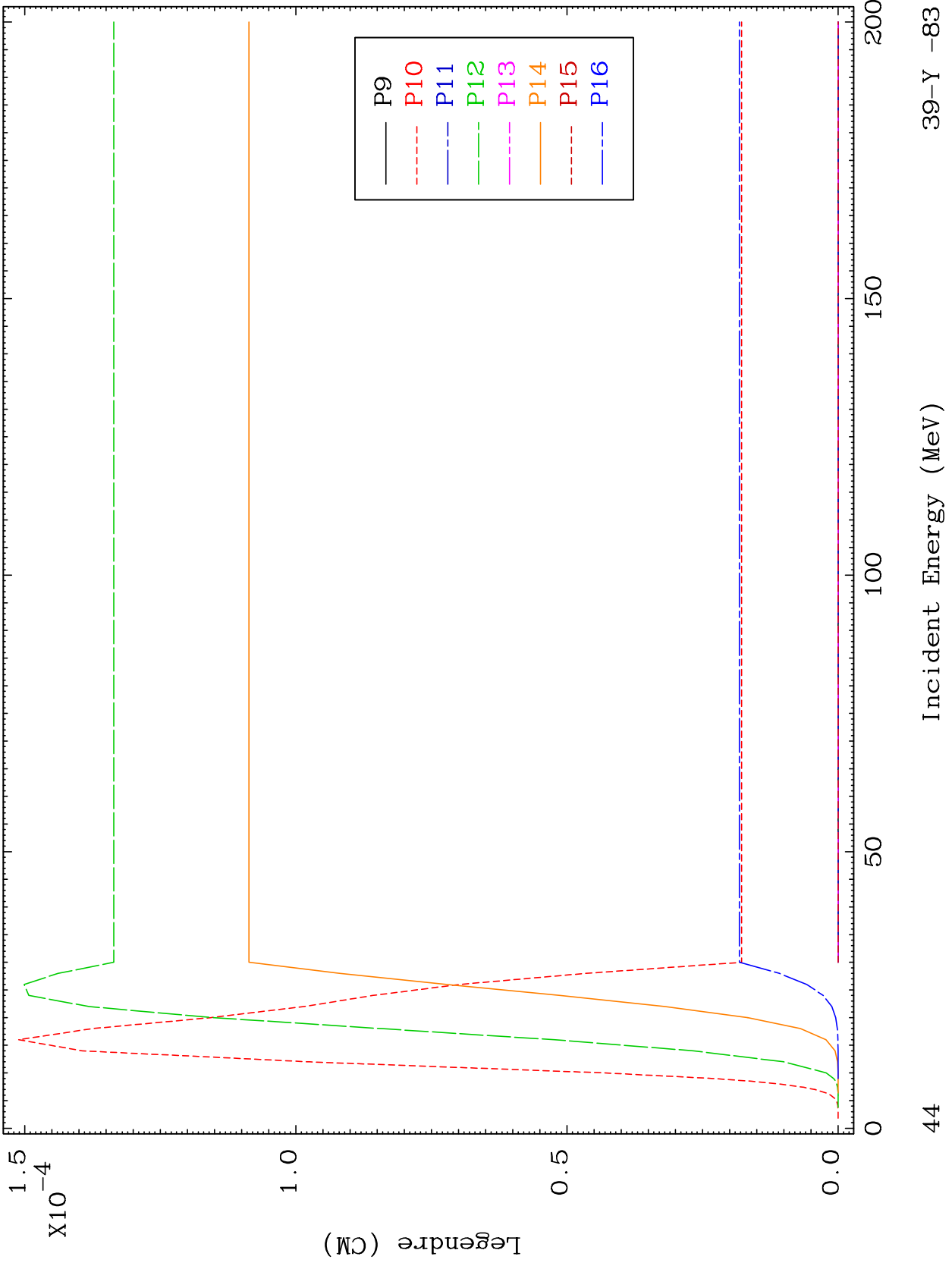
39-Y -83



MAT 3907

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

39-Y -83



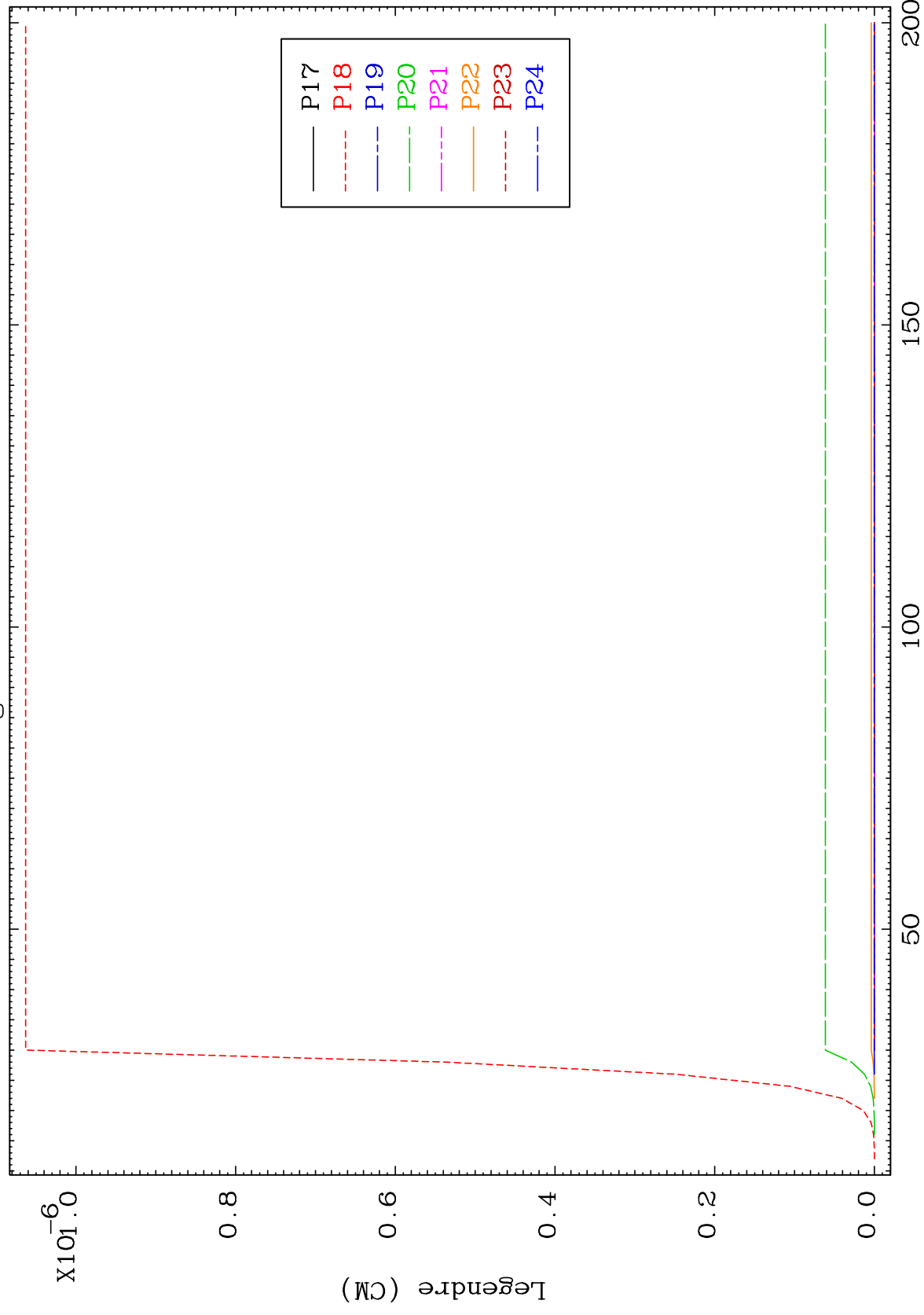
44

39-Y -83

MAT 3907

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

39-Y -83



45

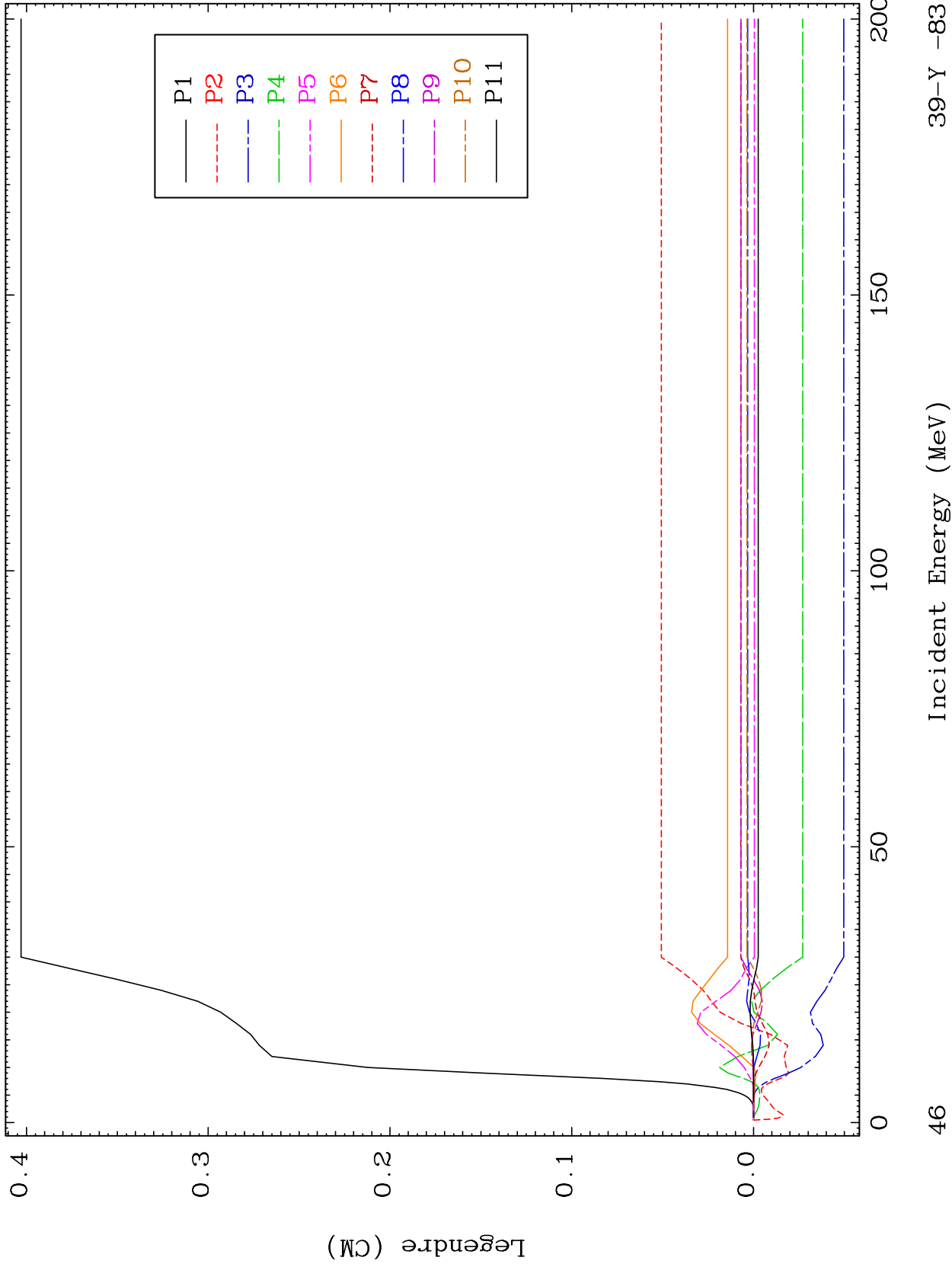
Incident Energy (MeV)

39-Y -83

MAT 3907

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

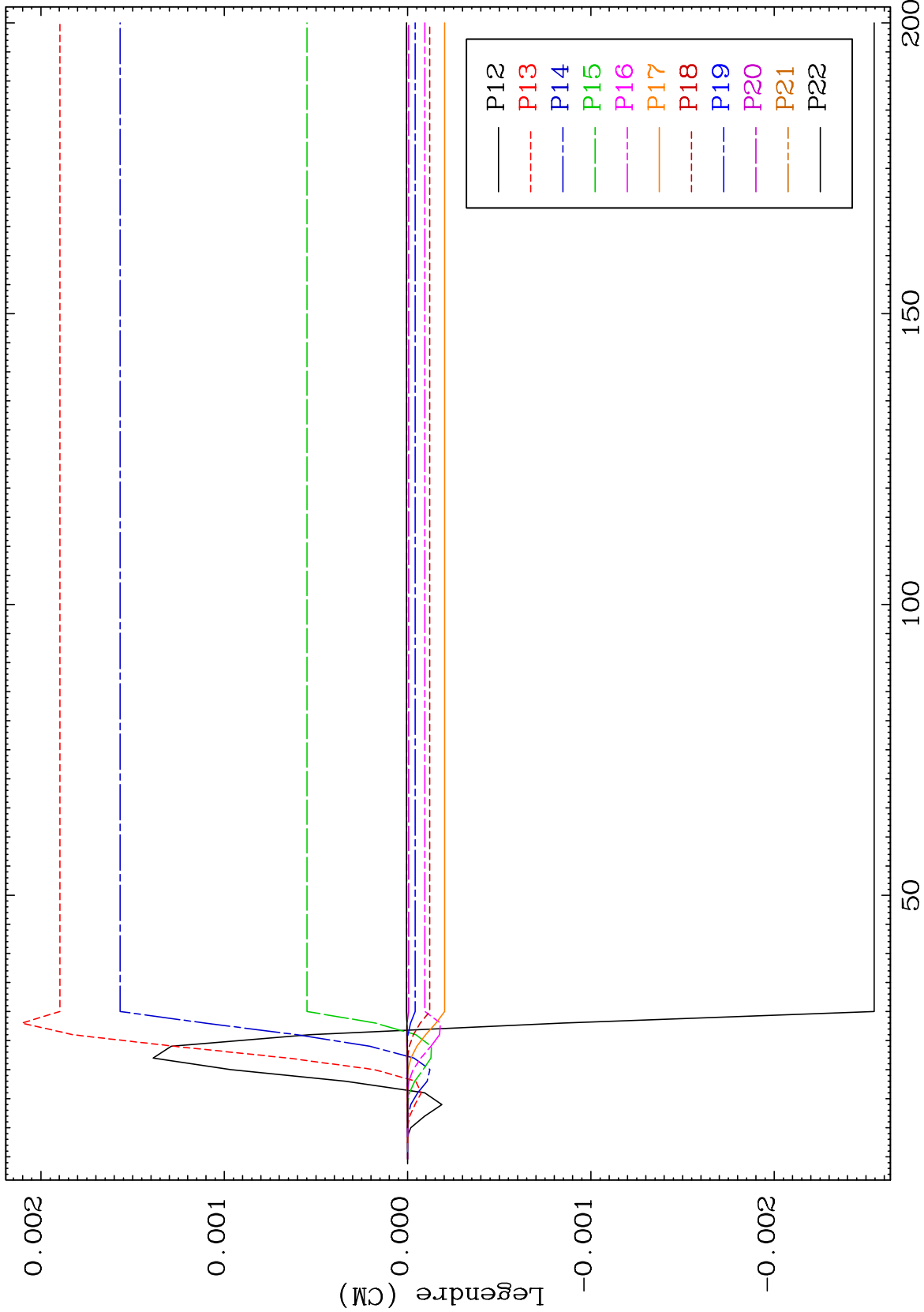
39-Y -83



MAT 3907

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

39-Y -83



47

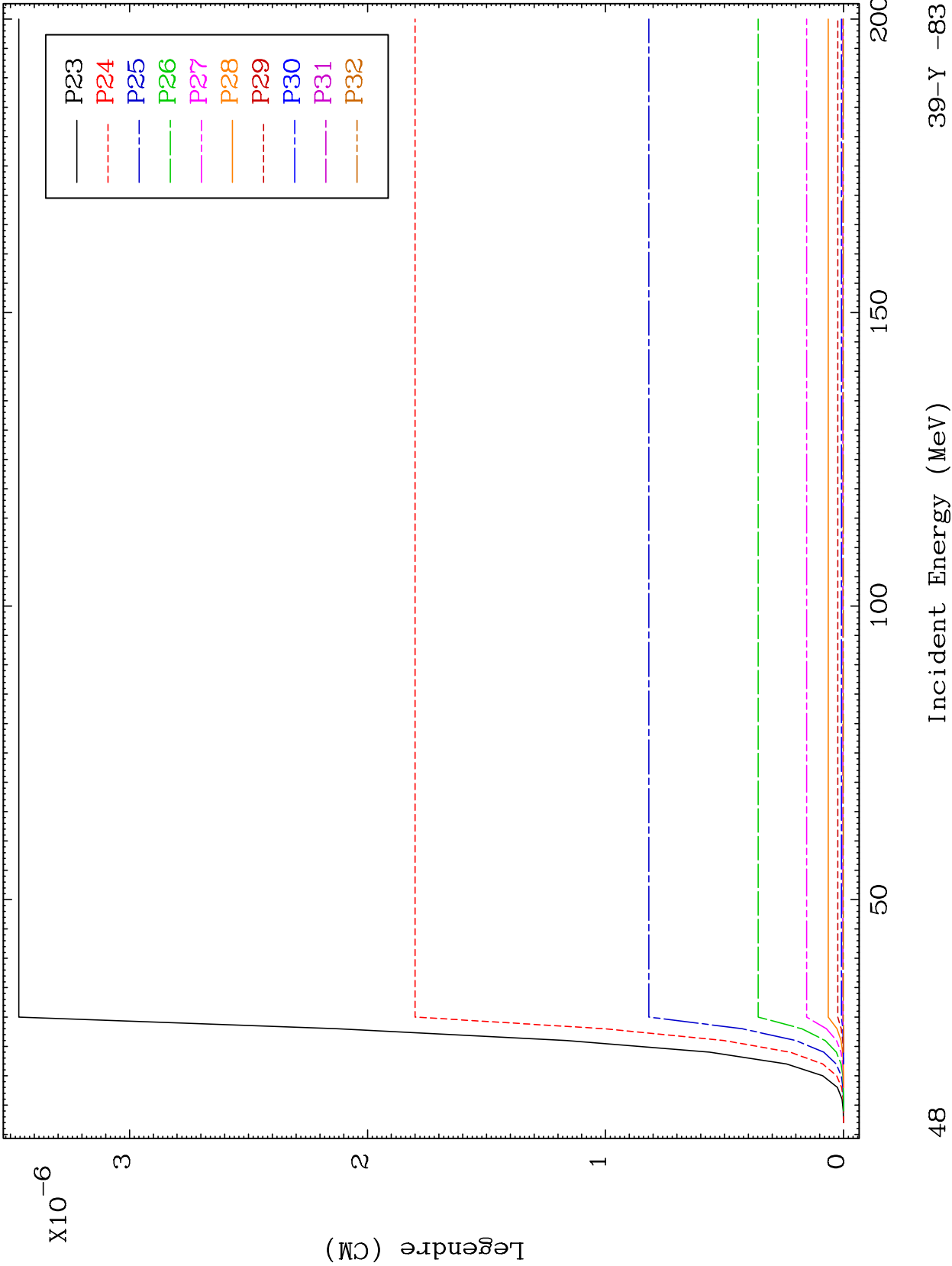
Incident Energy (MeV)

39-Y -83

MAT 3907

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

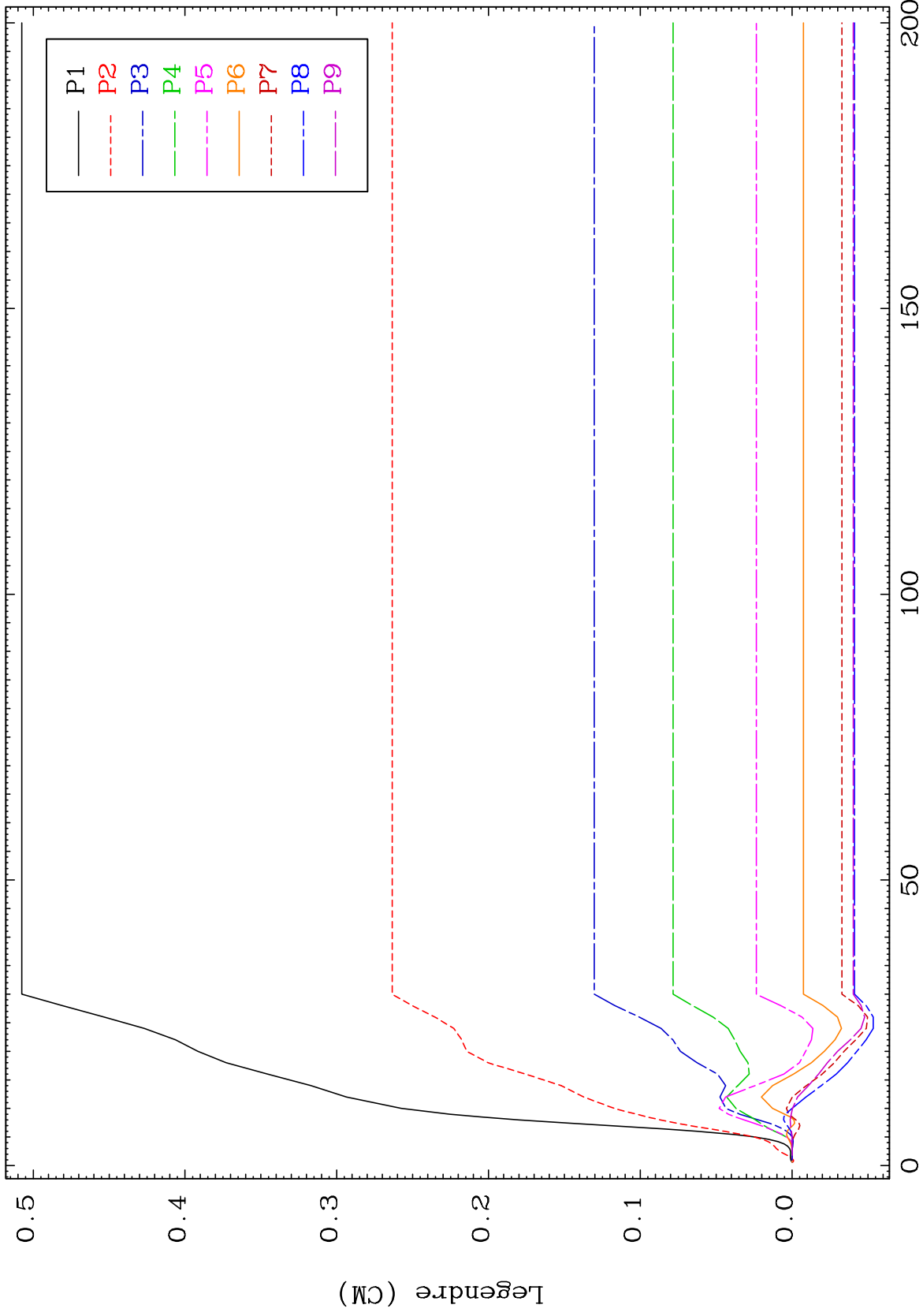
39-Y -83



MAT 3907

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

39-Y -83



49

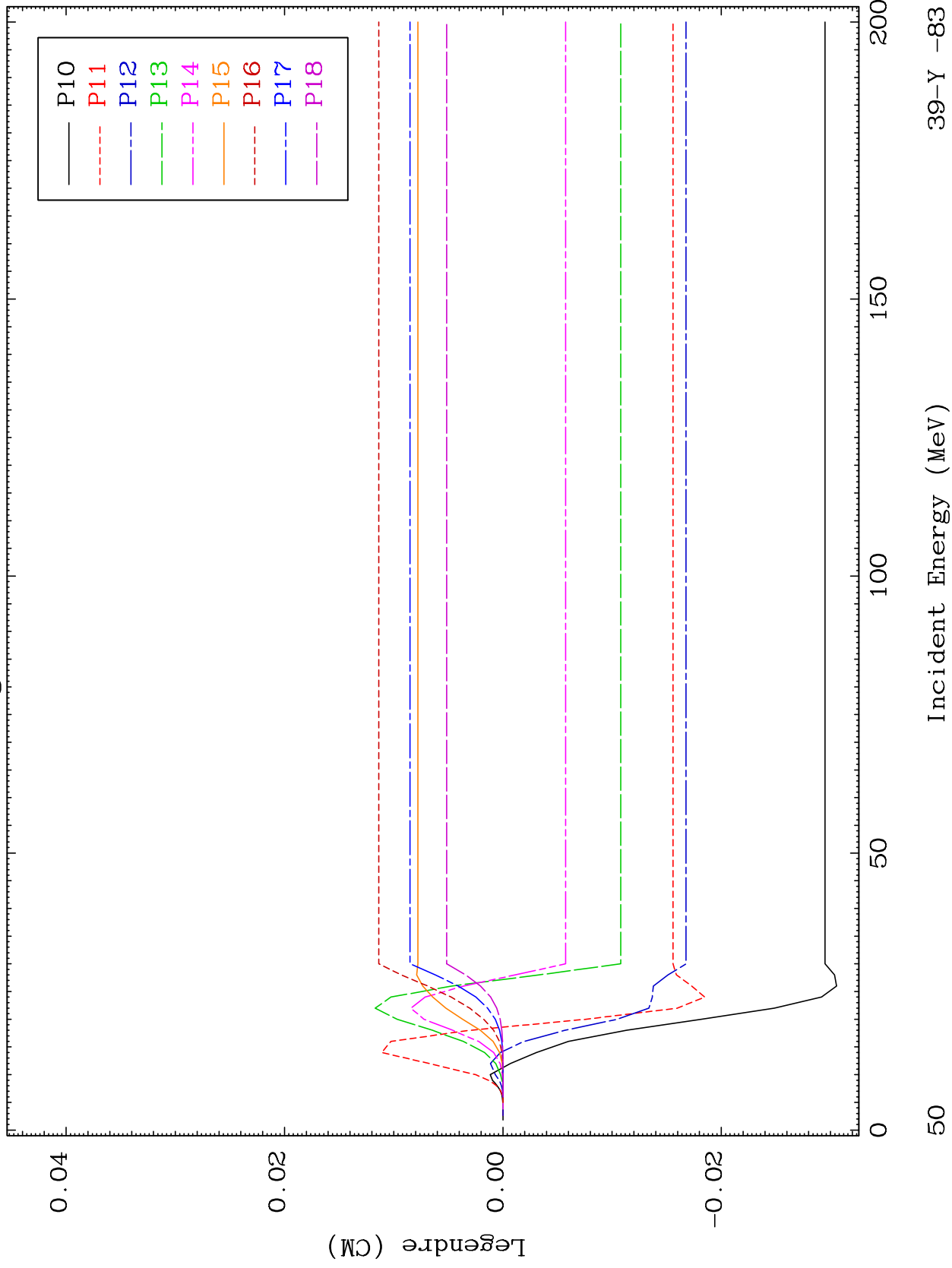
Incident Energy (MeV)

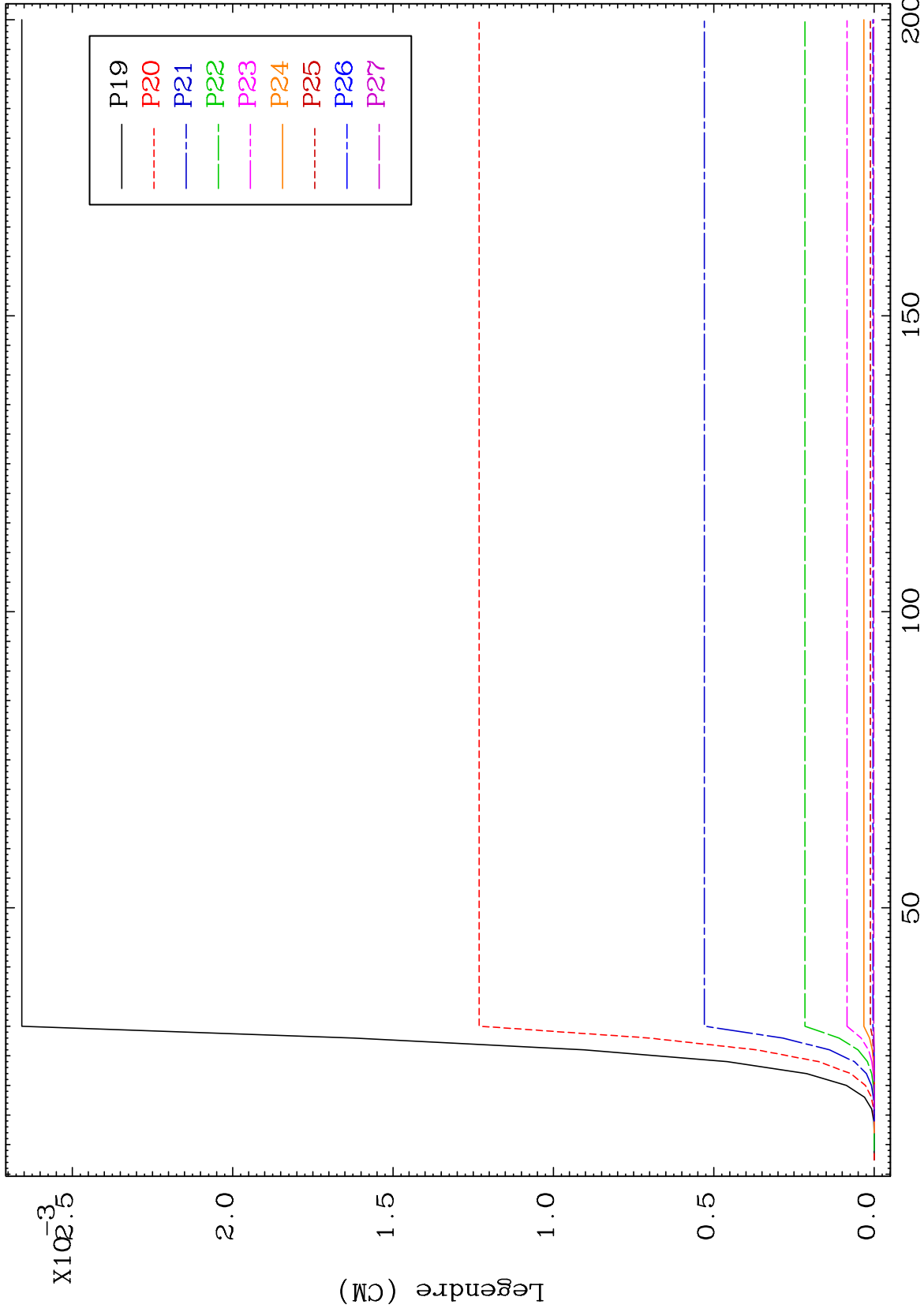
39-Y -83

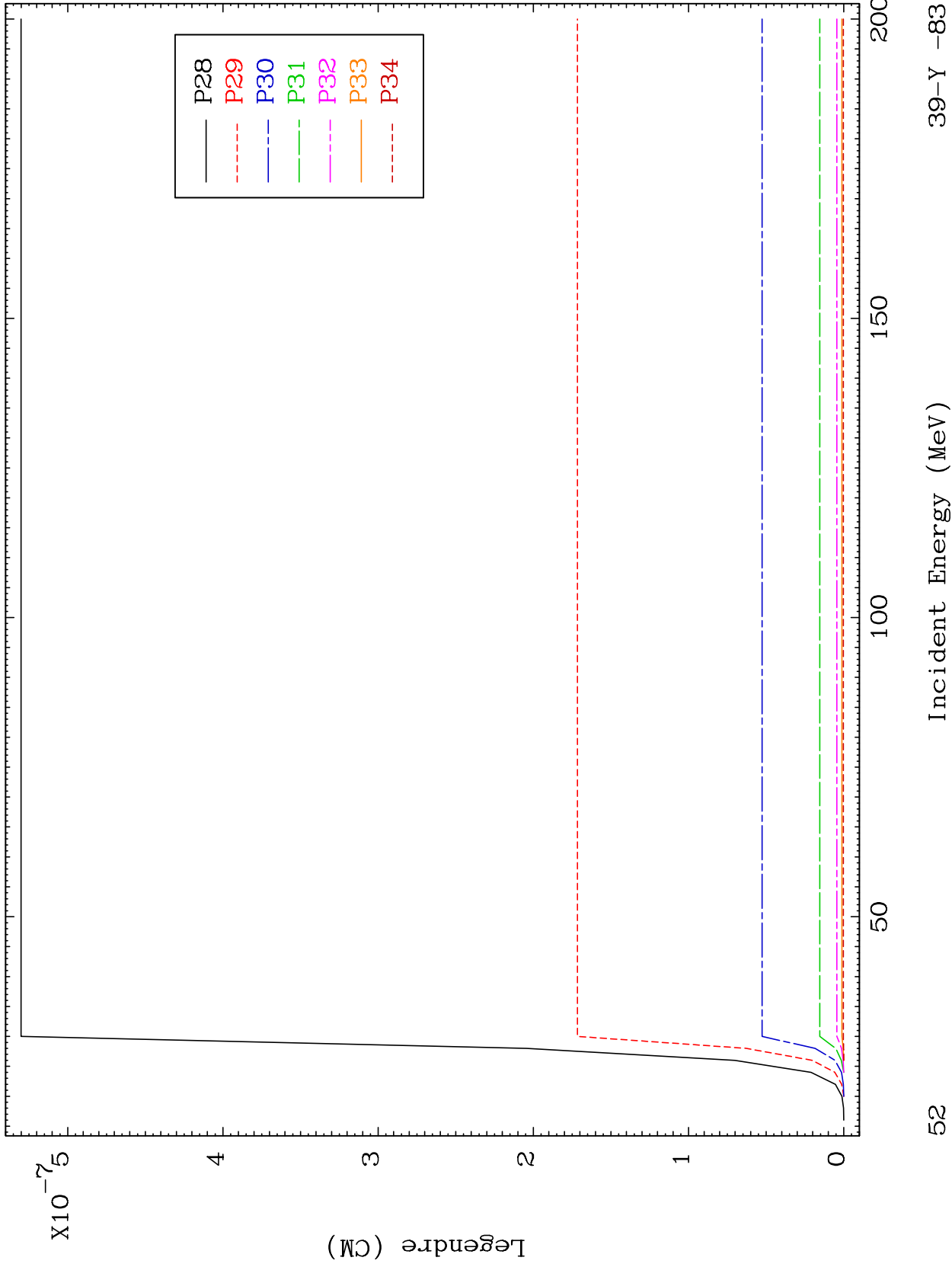
MAT 3907

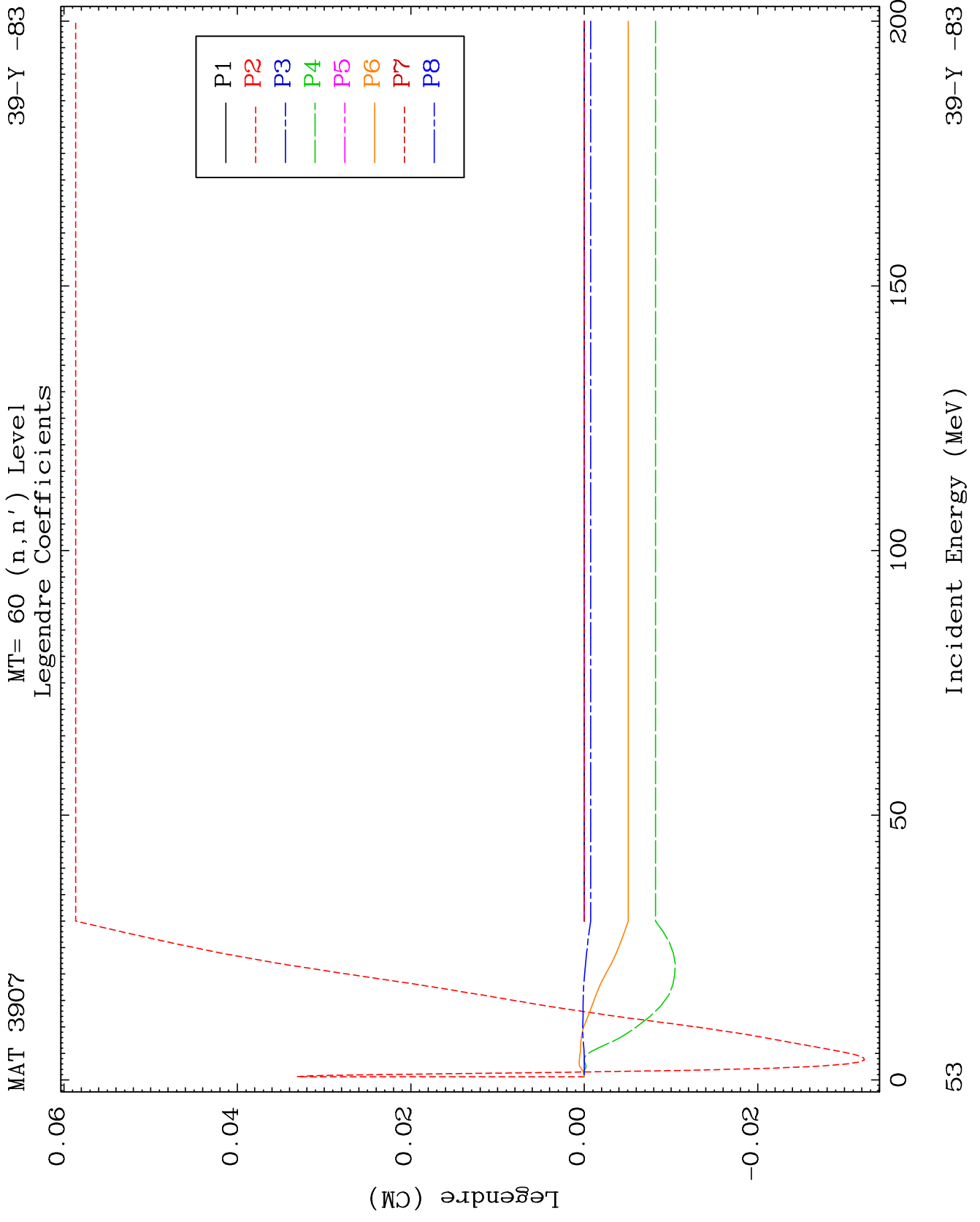
MT= 59 (n,n') Level
Legendre Coefficients

39-Y -83





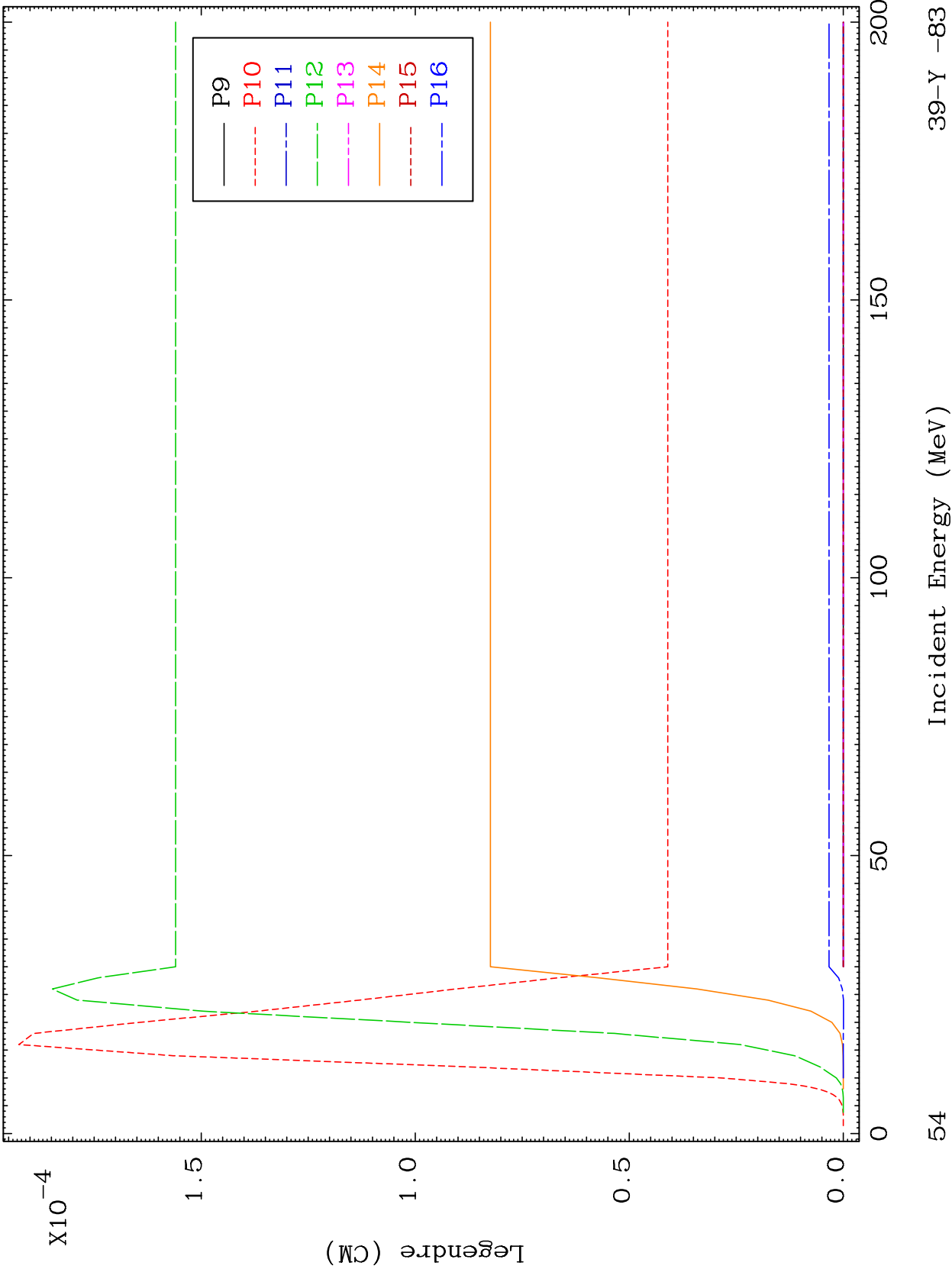




MAT 3907

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

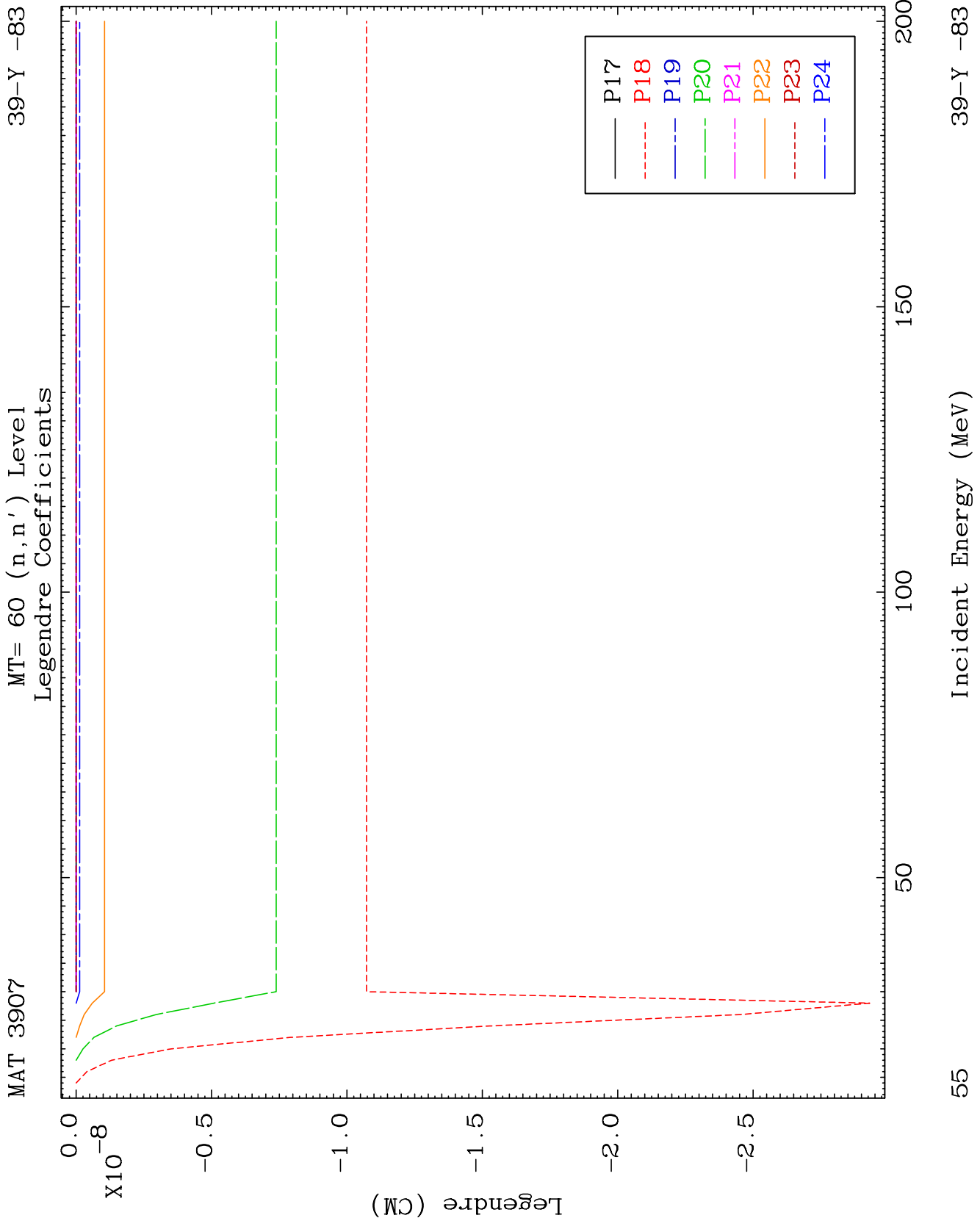
39-Y -83



54

Incident Energy (MeV)

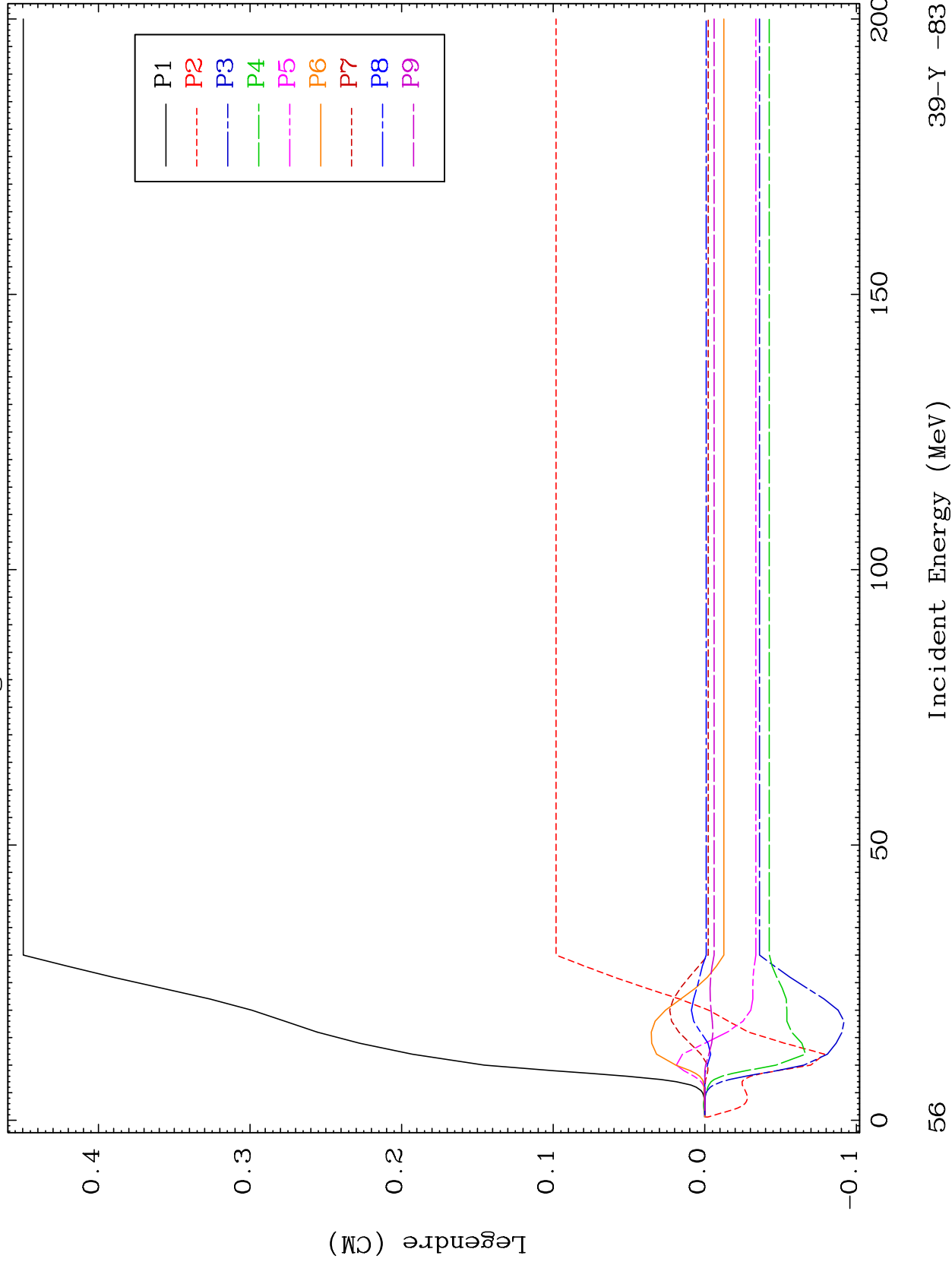
39-Y -83



MAT 3907

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

39-Y -83



39-Y -83

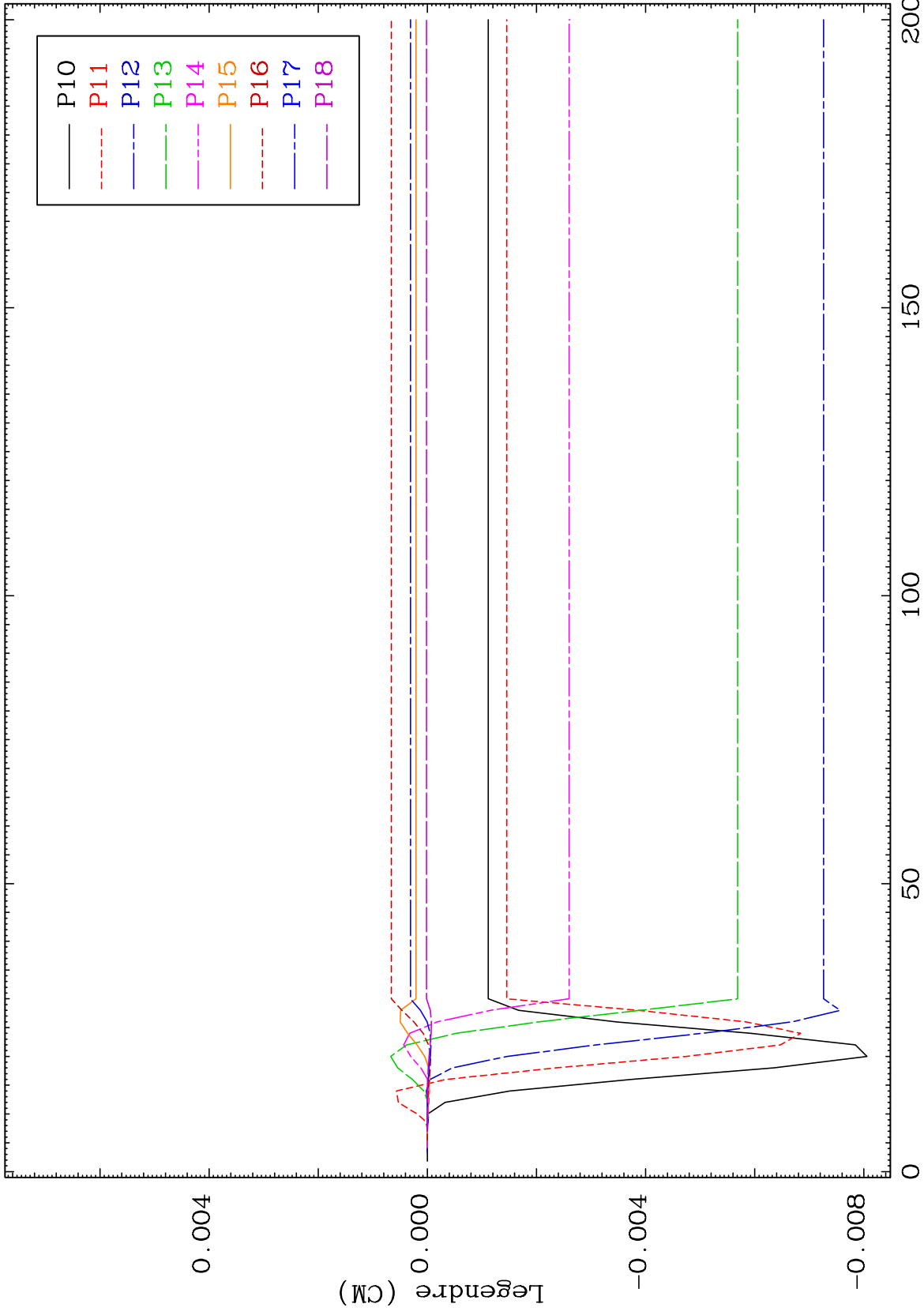
Incident Energy (MeV)

56

MAT 3907

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

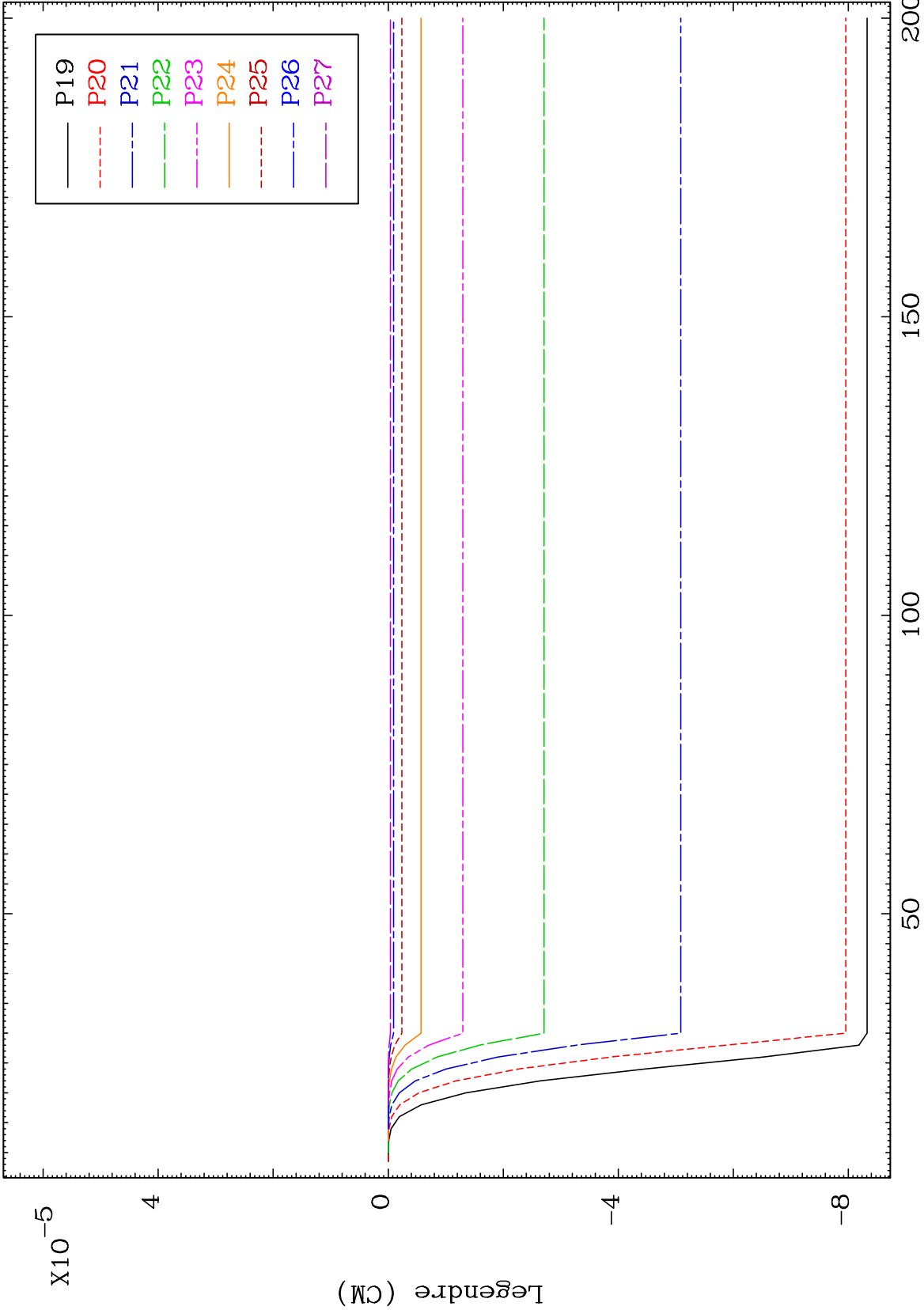
39-Y -83

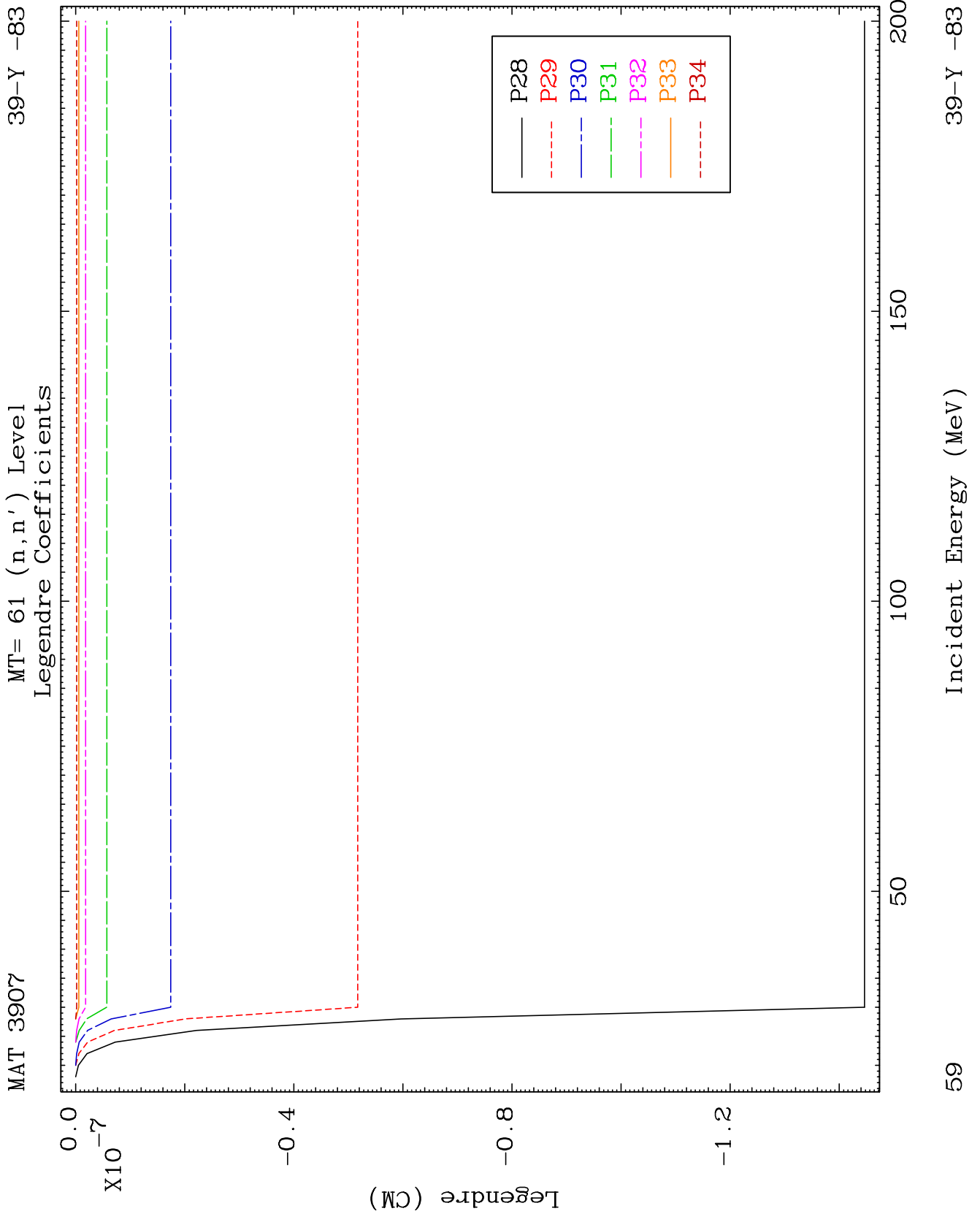


57

Incident Energy (MeV)

39-Y -83

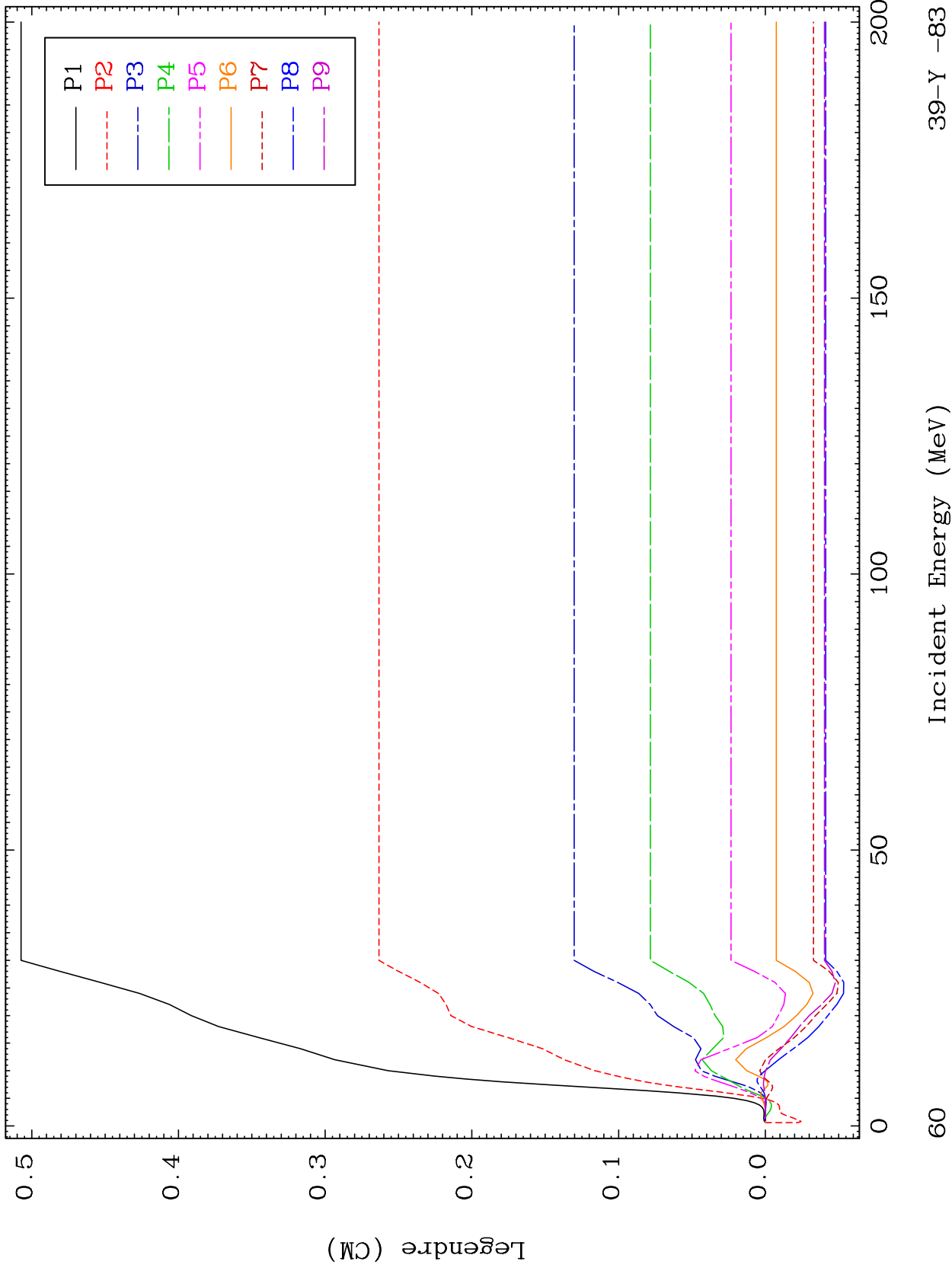




MAT 3907

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

39-Y -83

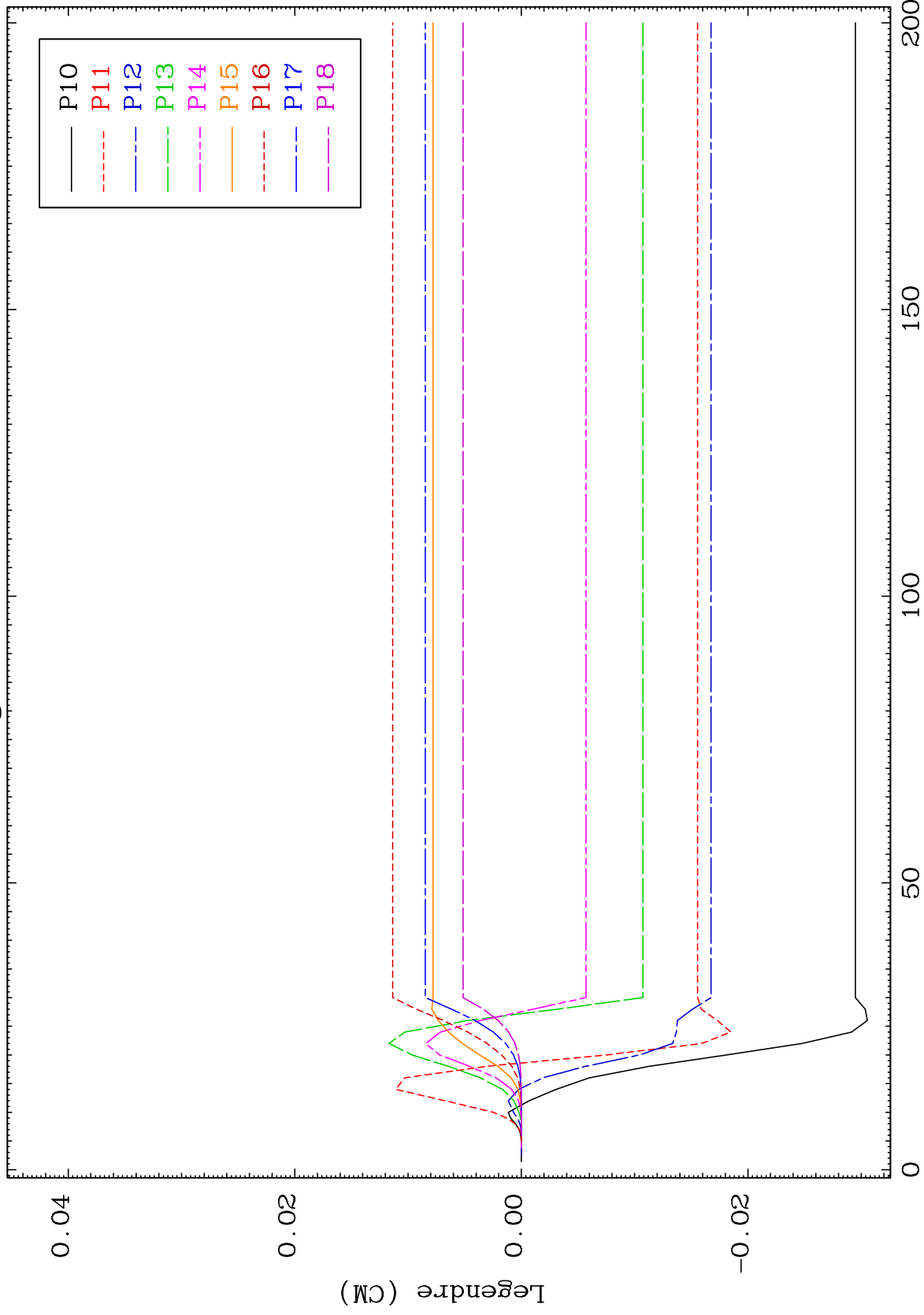


39-Y -83

MAT 3907

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

39-Y -83



61

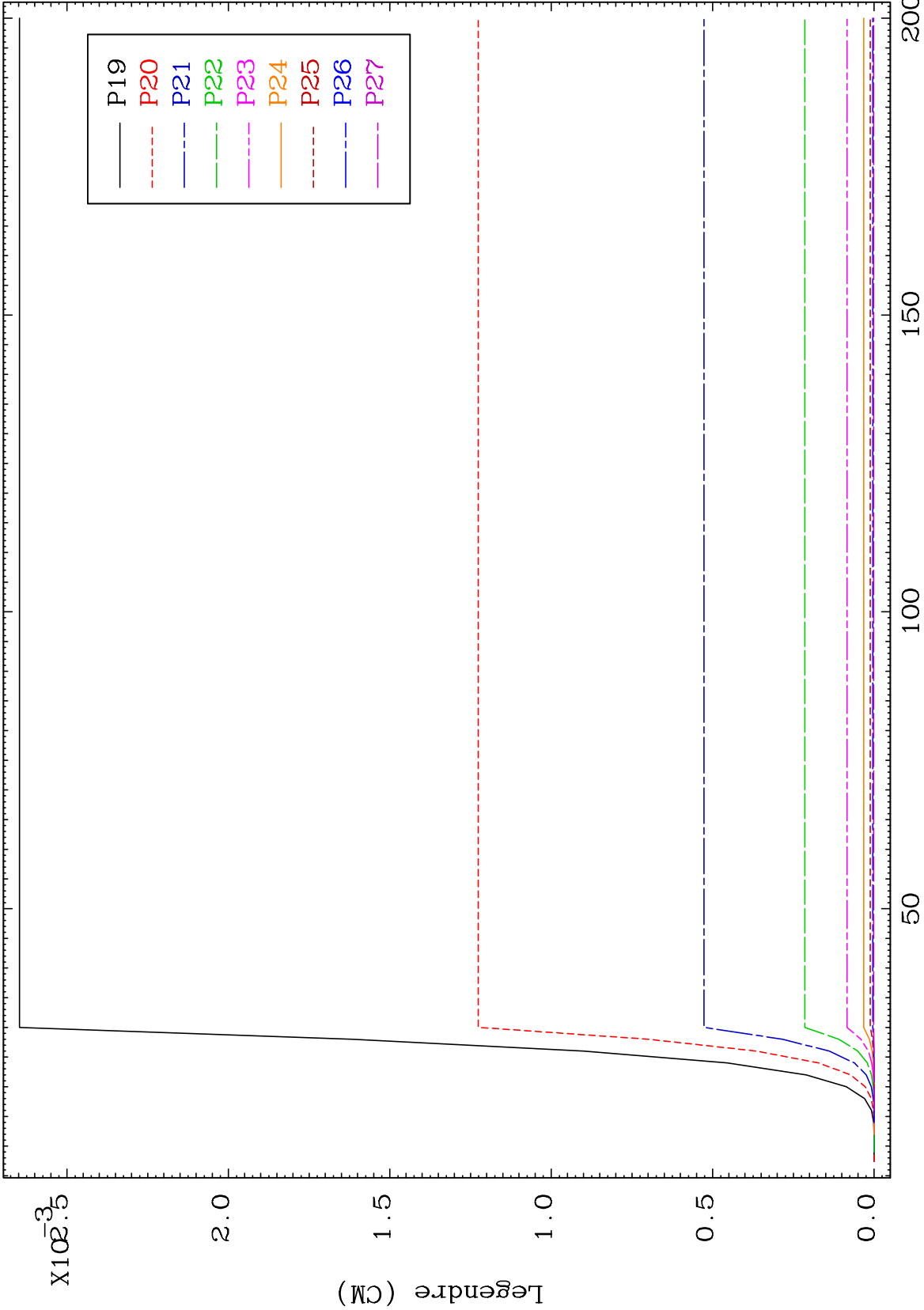
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



62

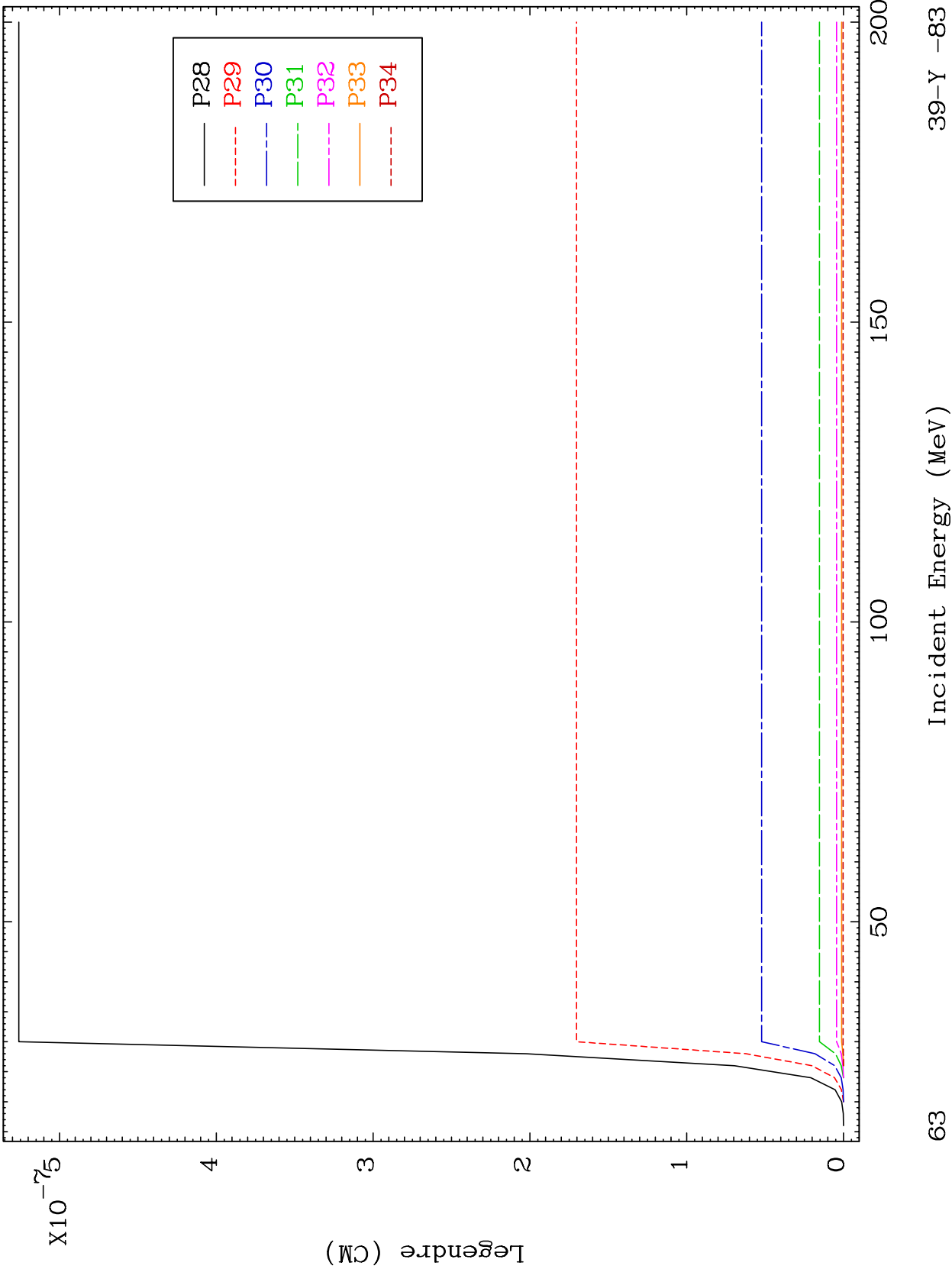
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



63

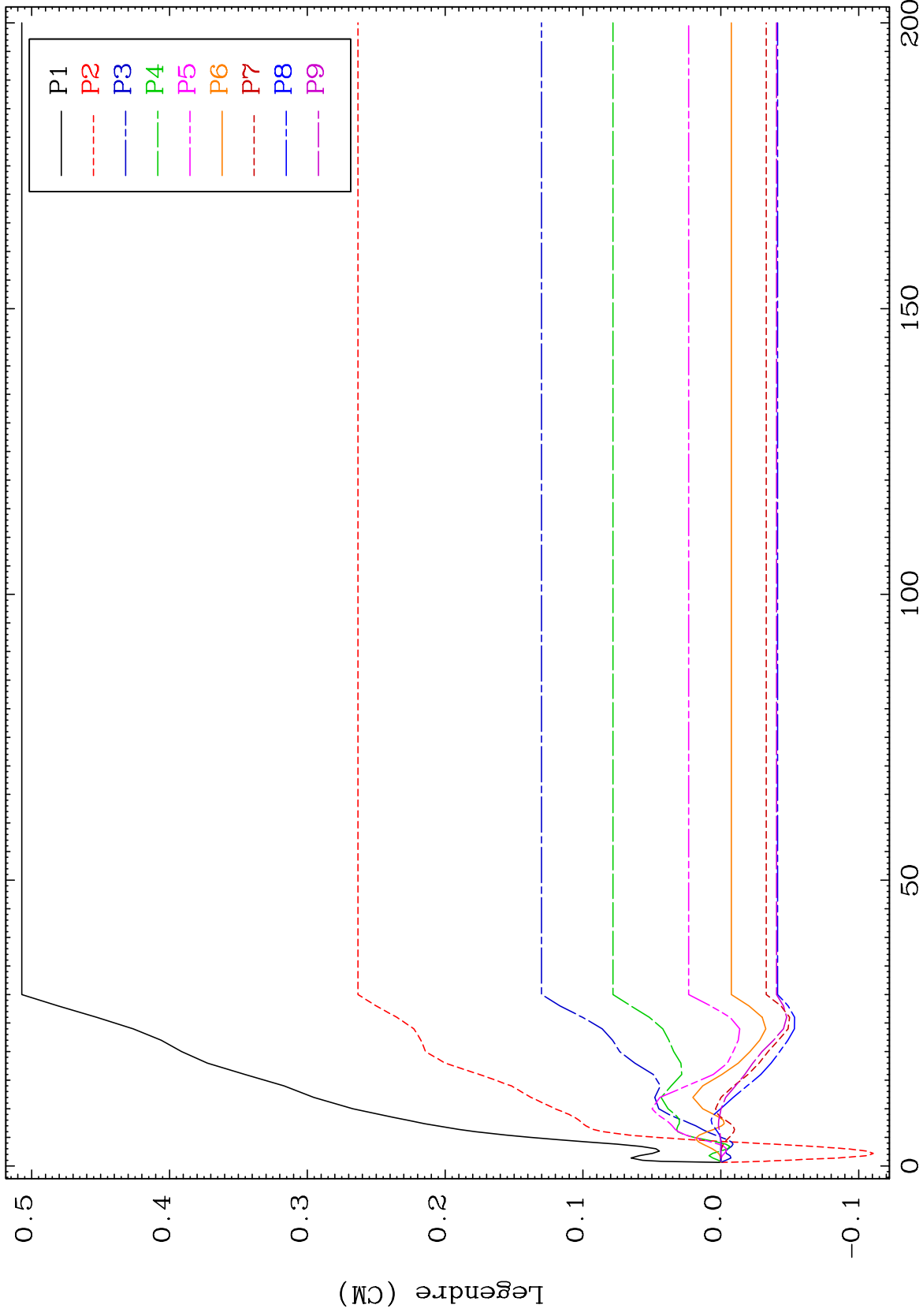
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



64

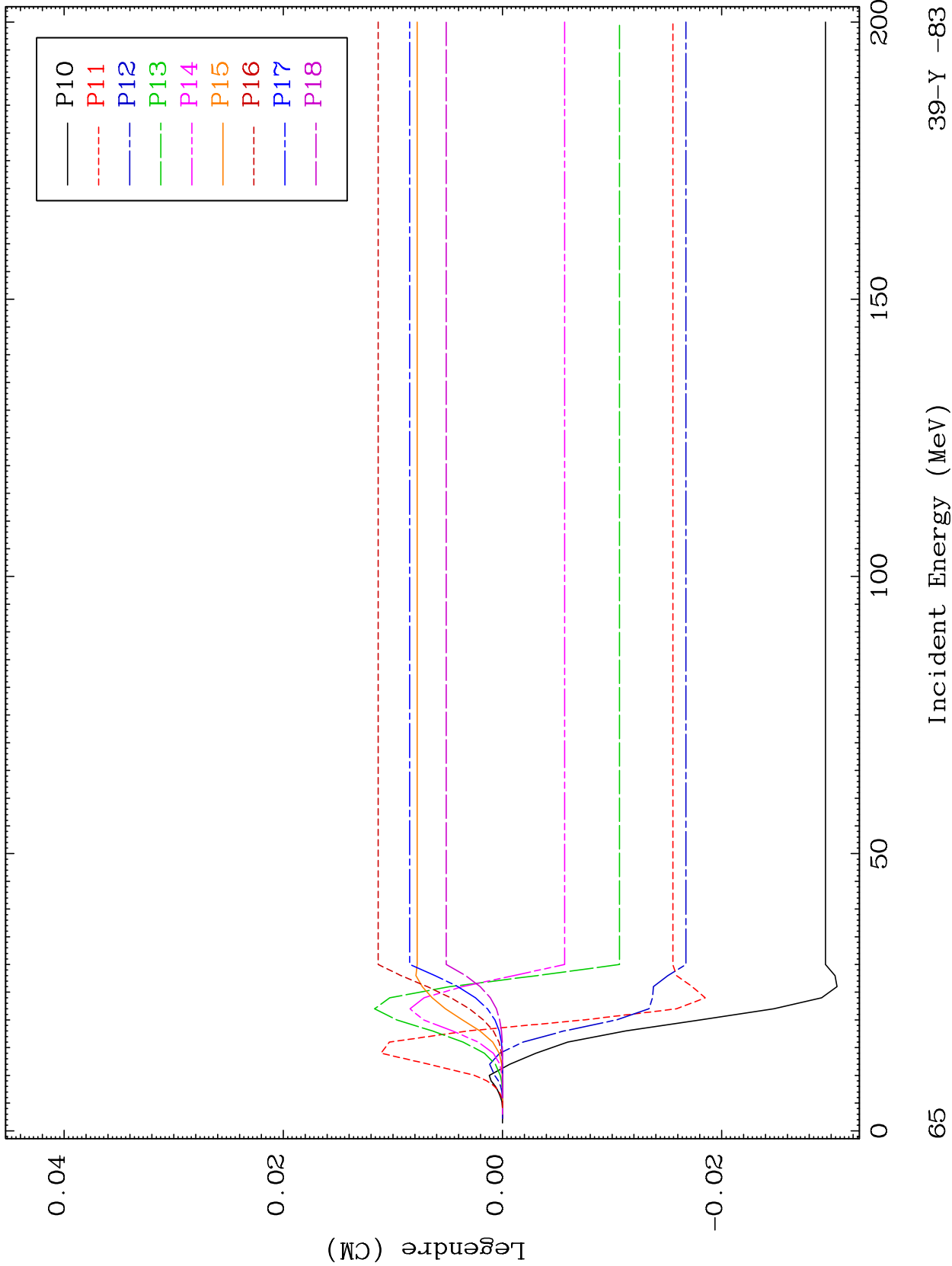
Incident Energy (MeV)

39-Y -83

MAT 3907

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

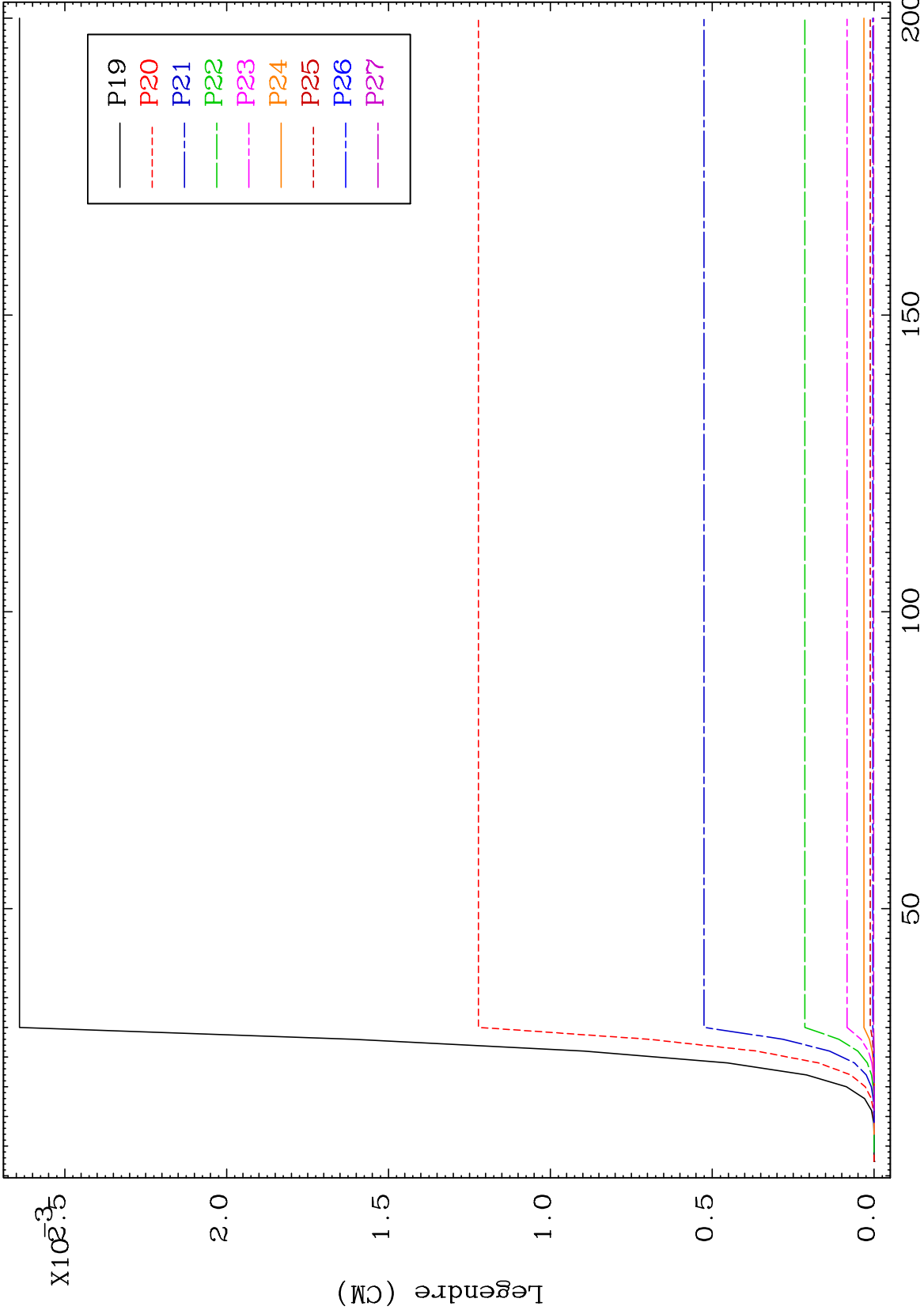
39-Y -83



39-Y -83

Incident Energy (MeV)

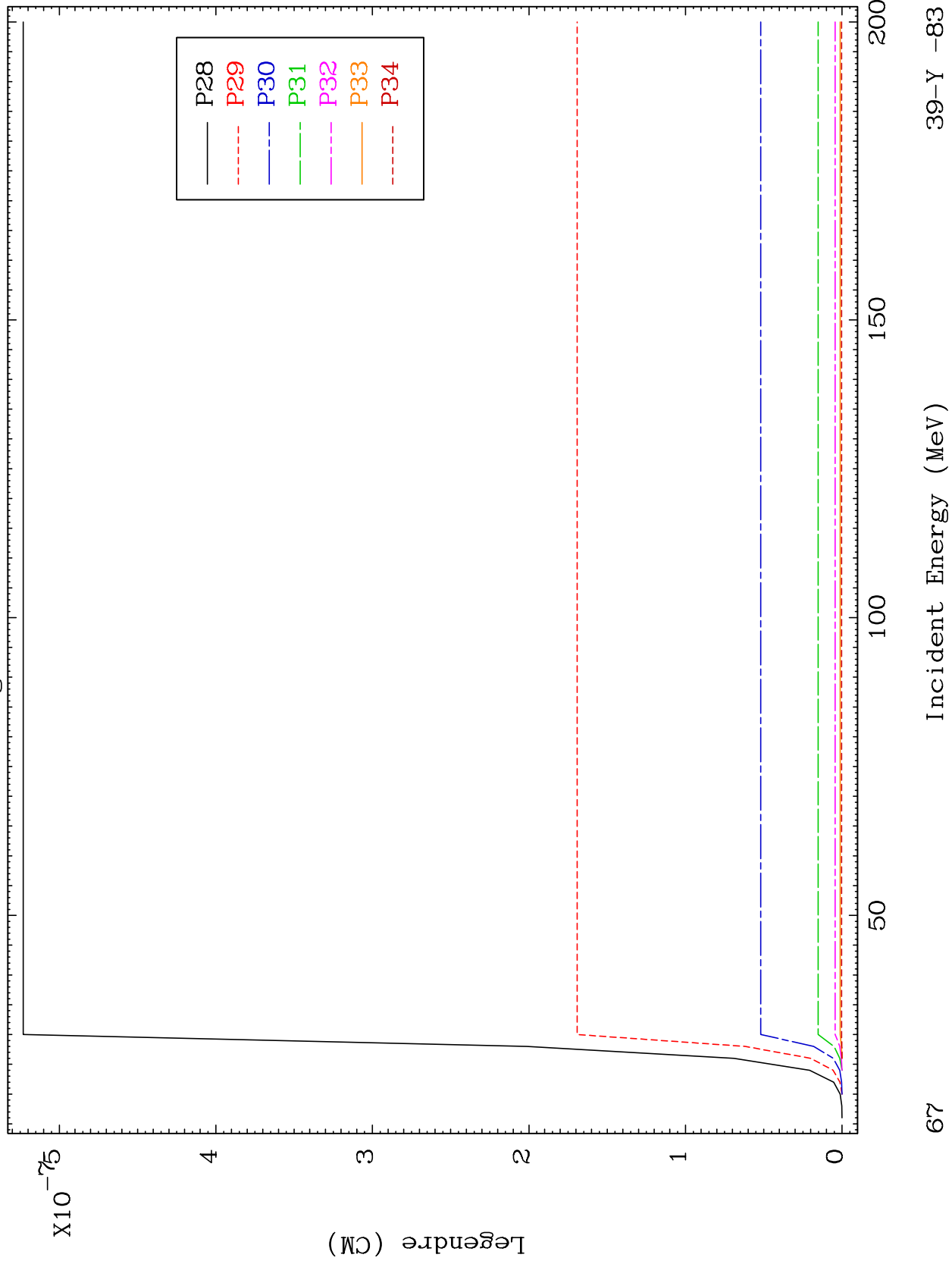
65



MAT 3907

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

39-Y -83



67

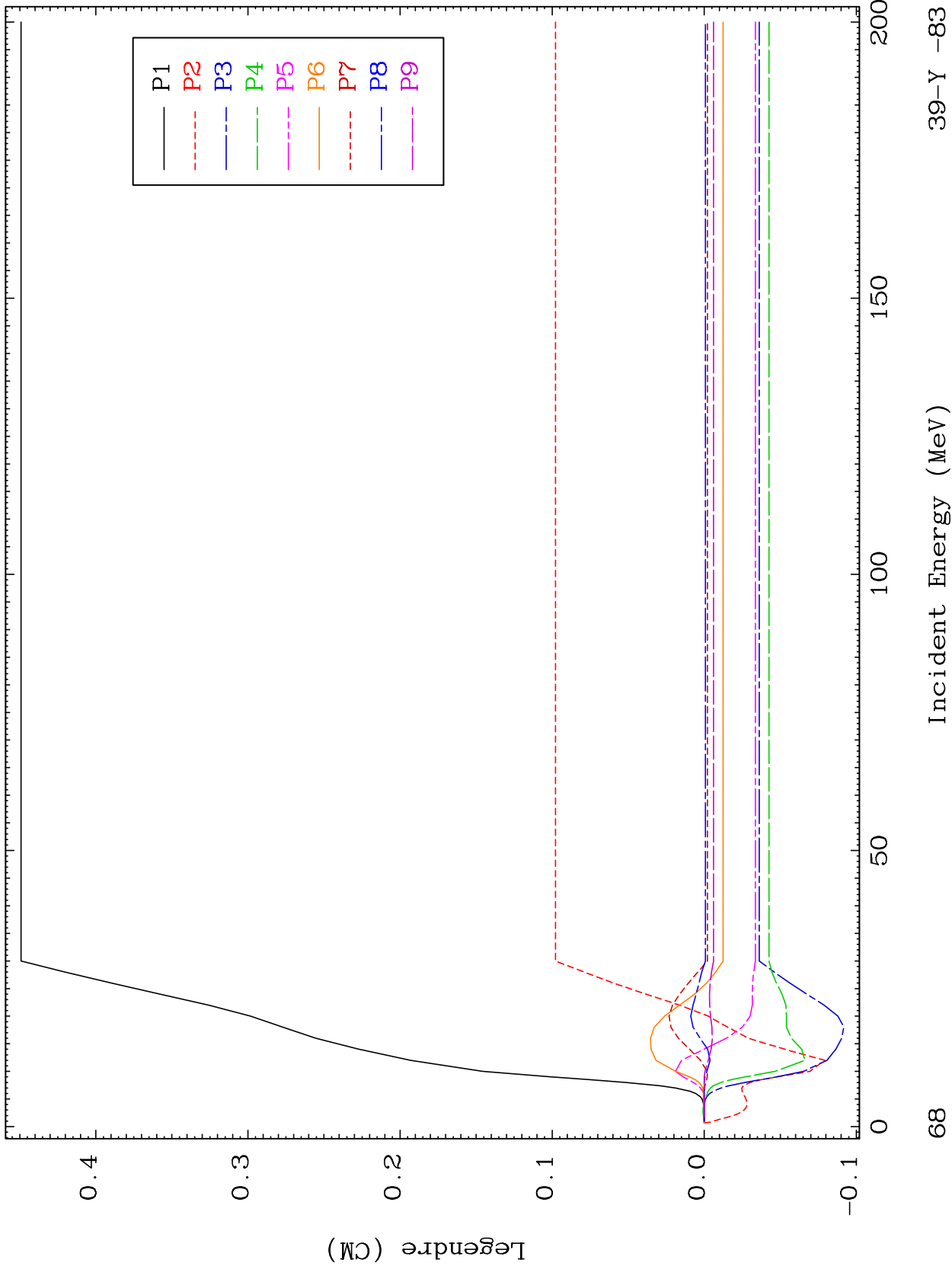
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



39-Y -83

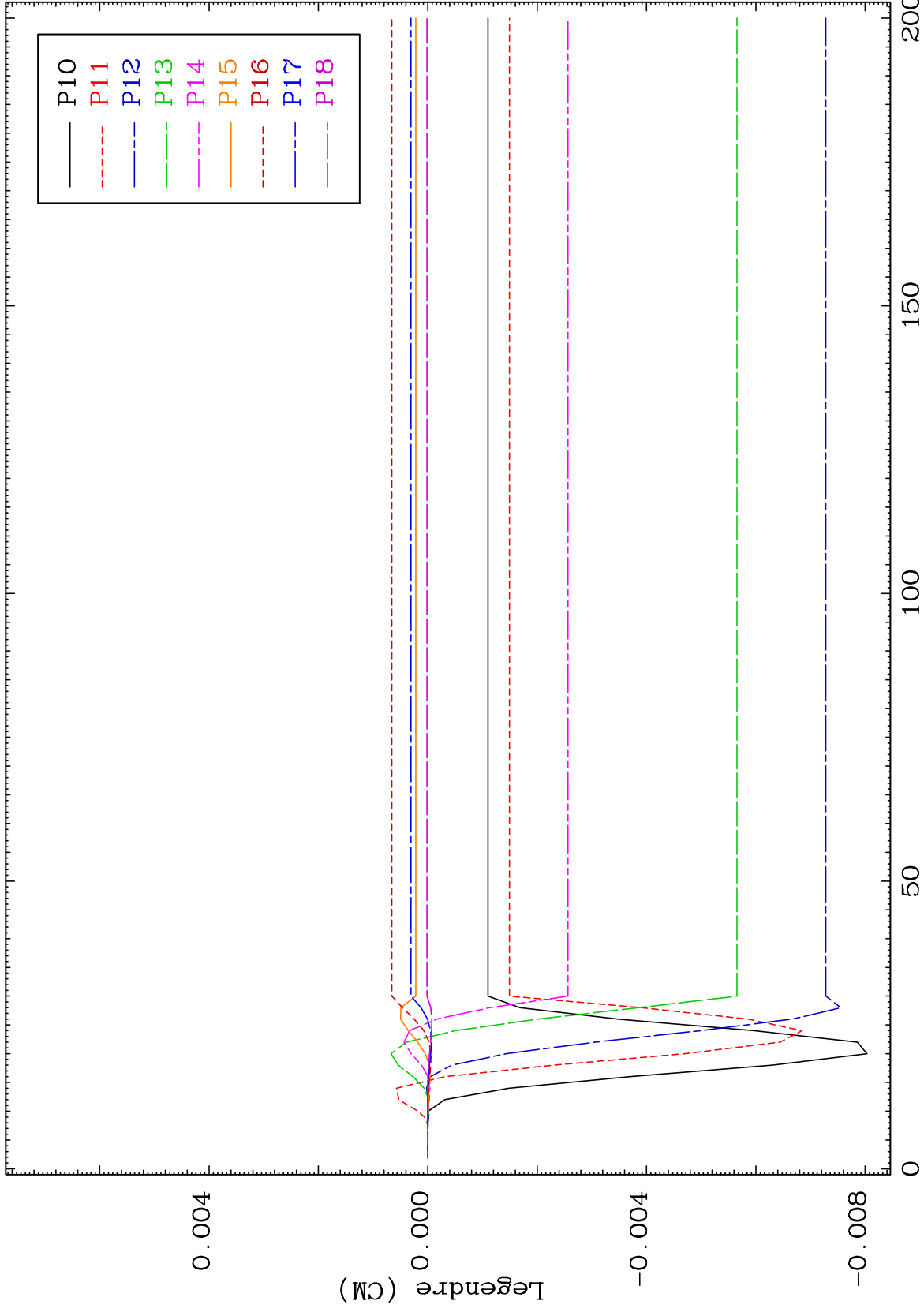
Incident Energy (MeV)

68

MAT 3907

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

39-Y -83



69

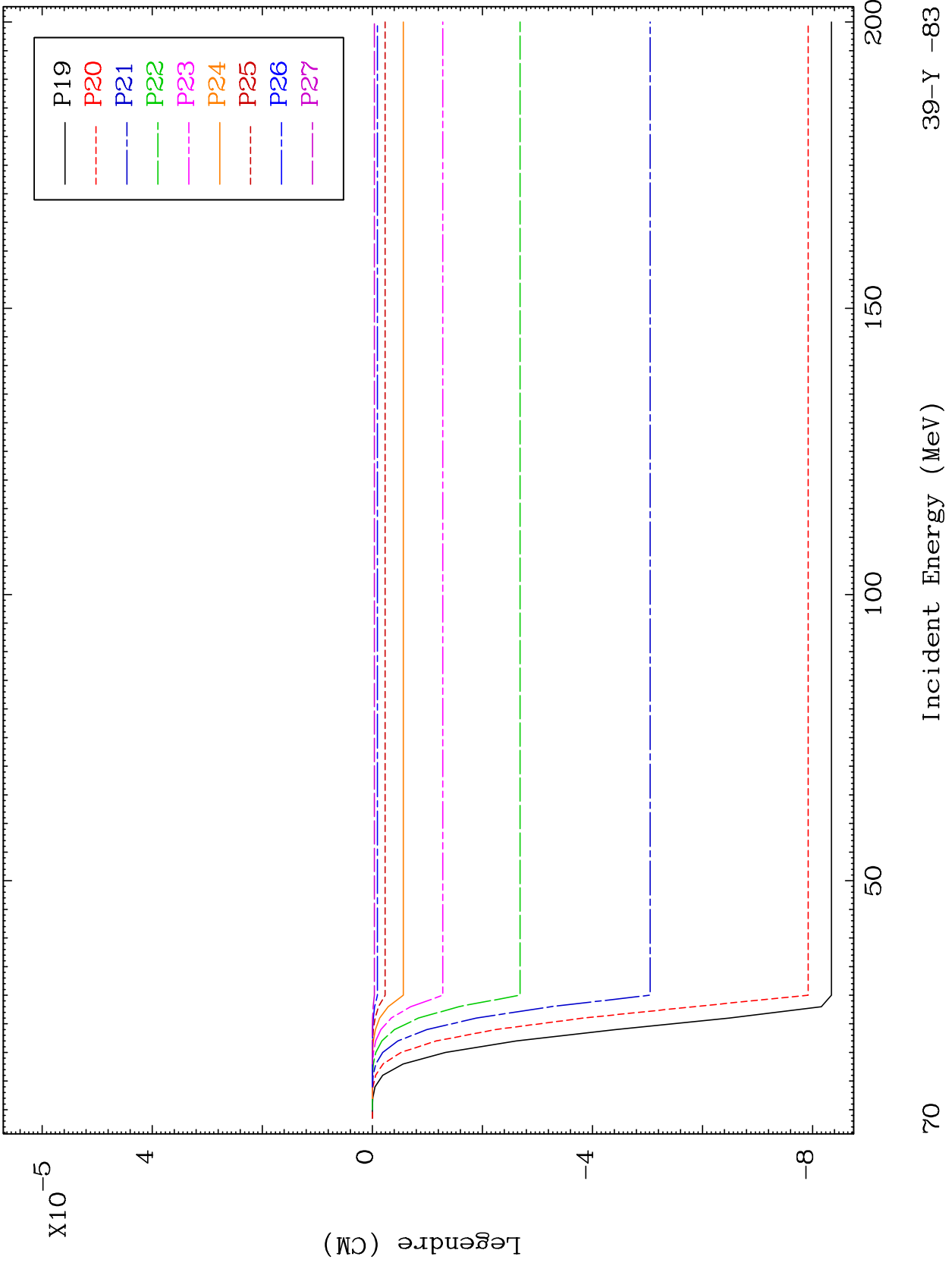
Incident Energy (MeV)

39-Y -83

MAT 3907

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

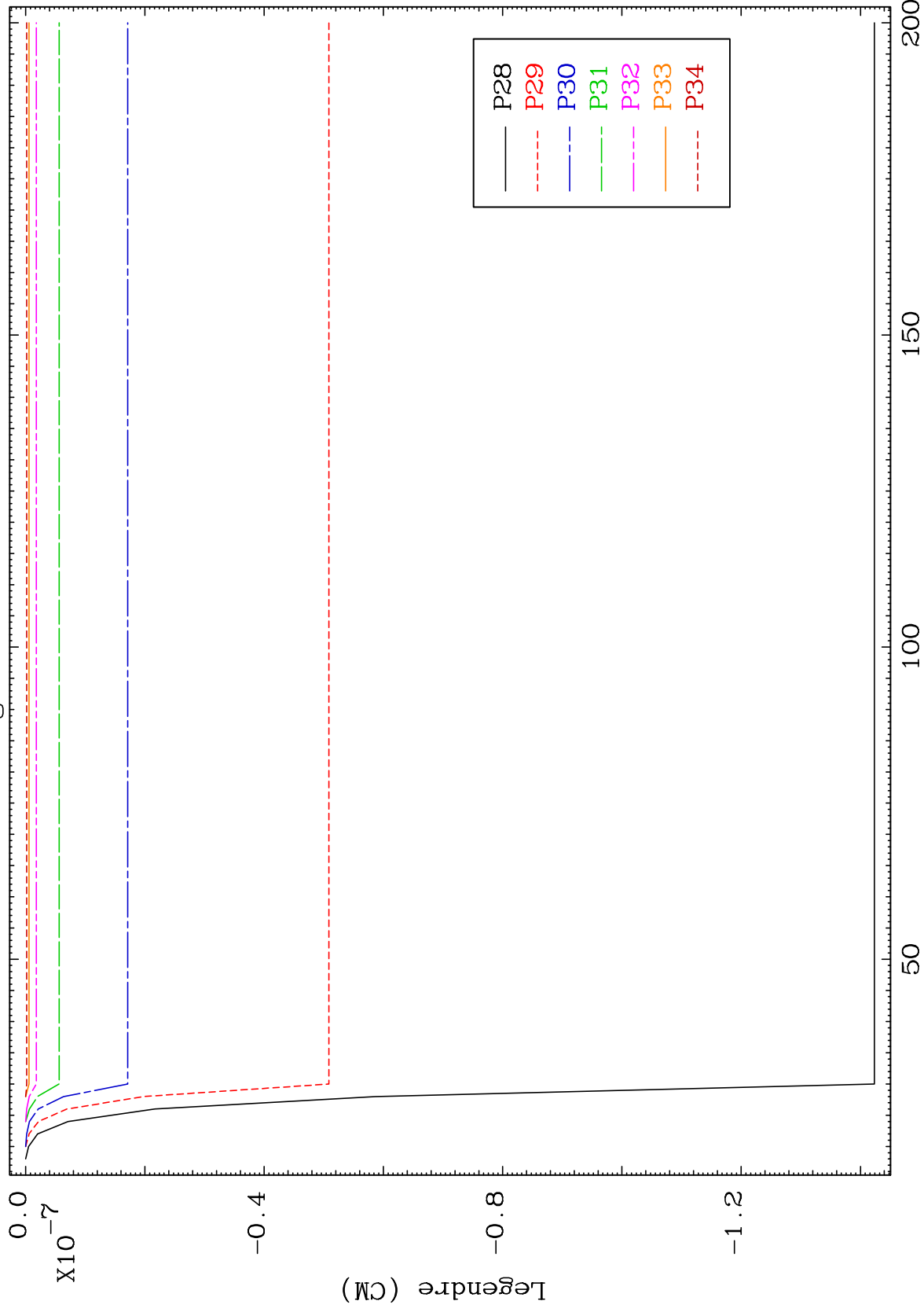
39-Y -83



MAT 3907

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

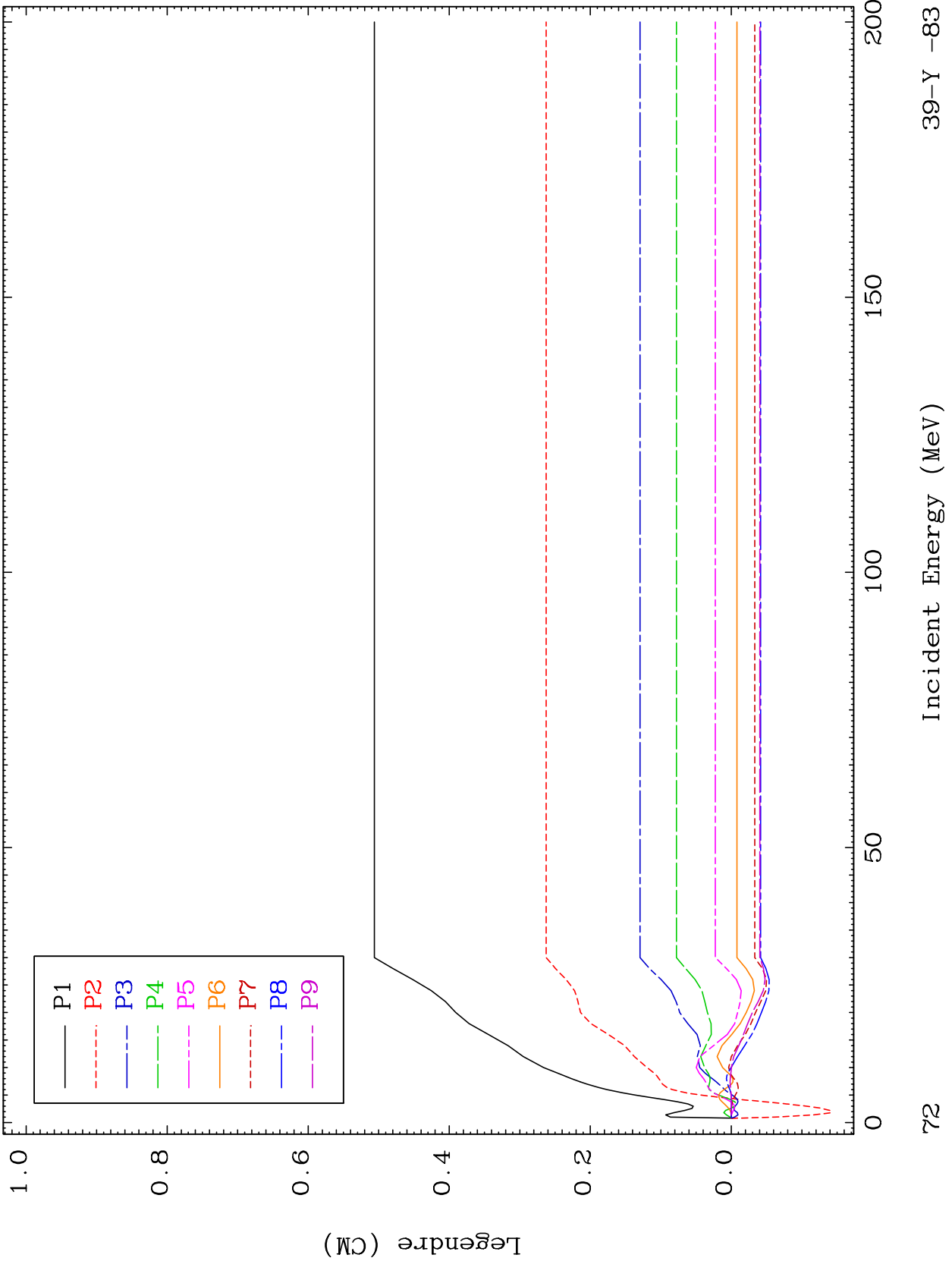
39-Y -83



71

Incident Energy (MeV)

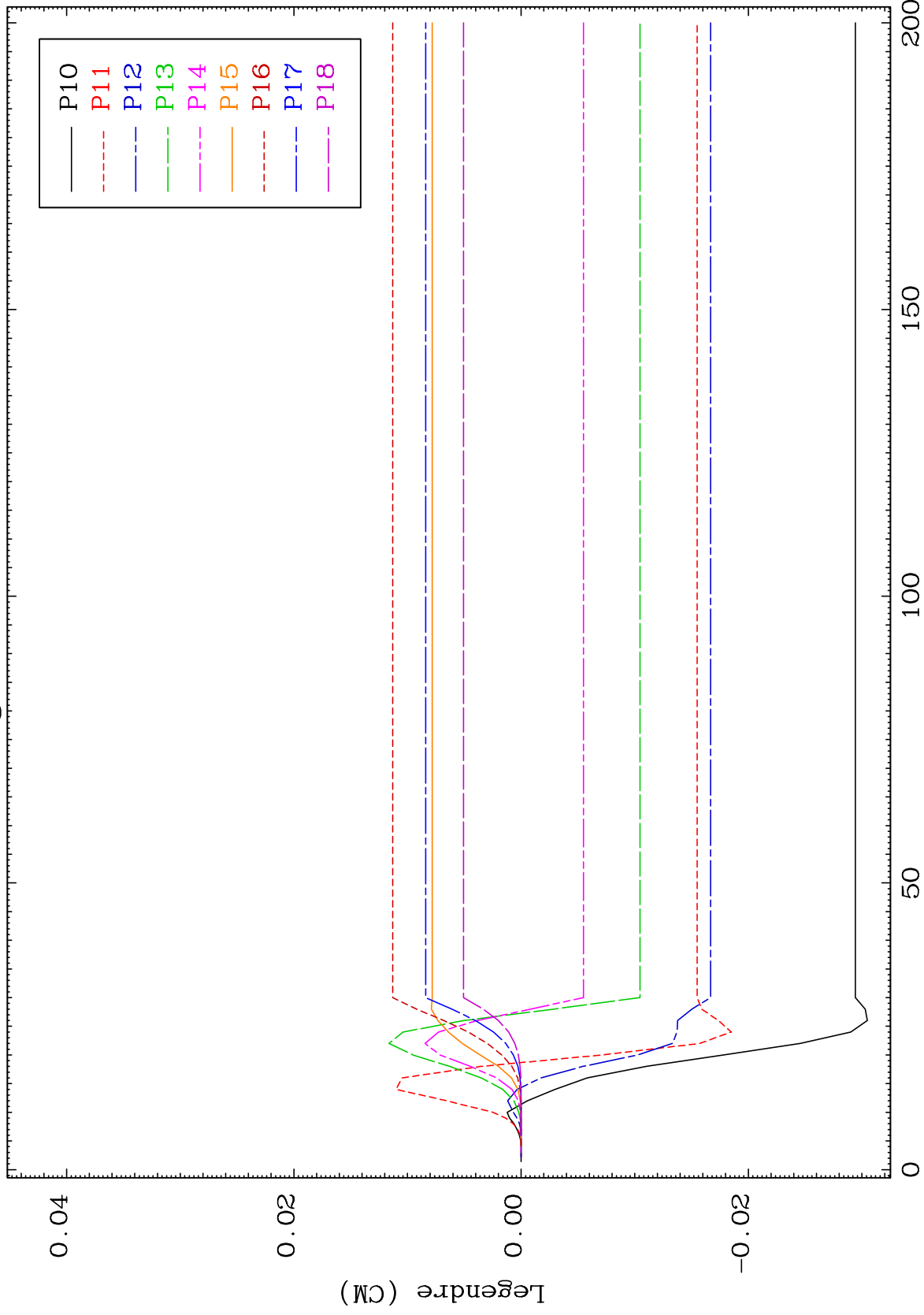
39-Y -83



MAT 3907

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

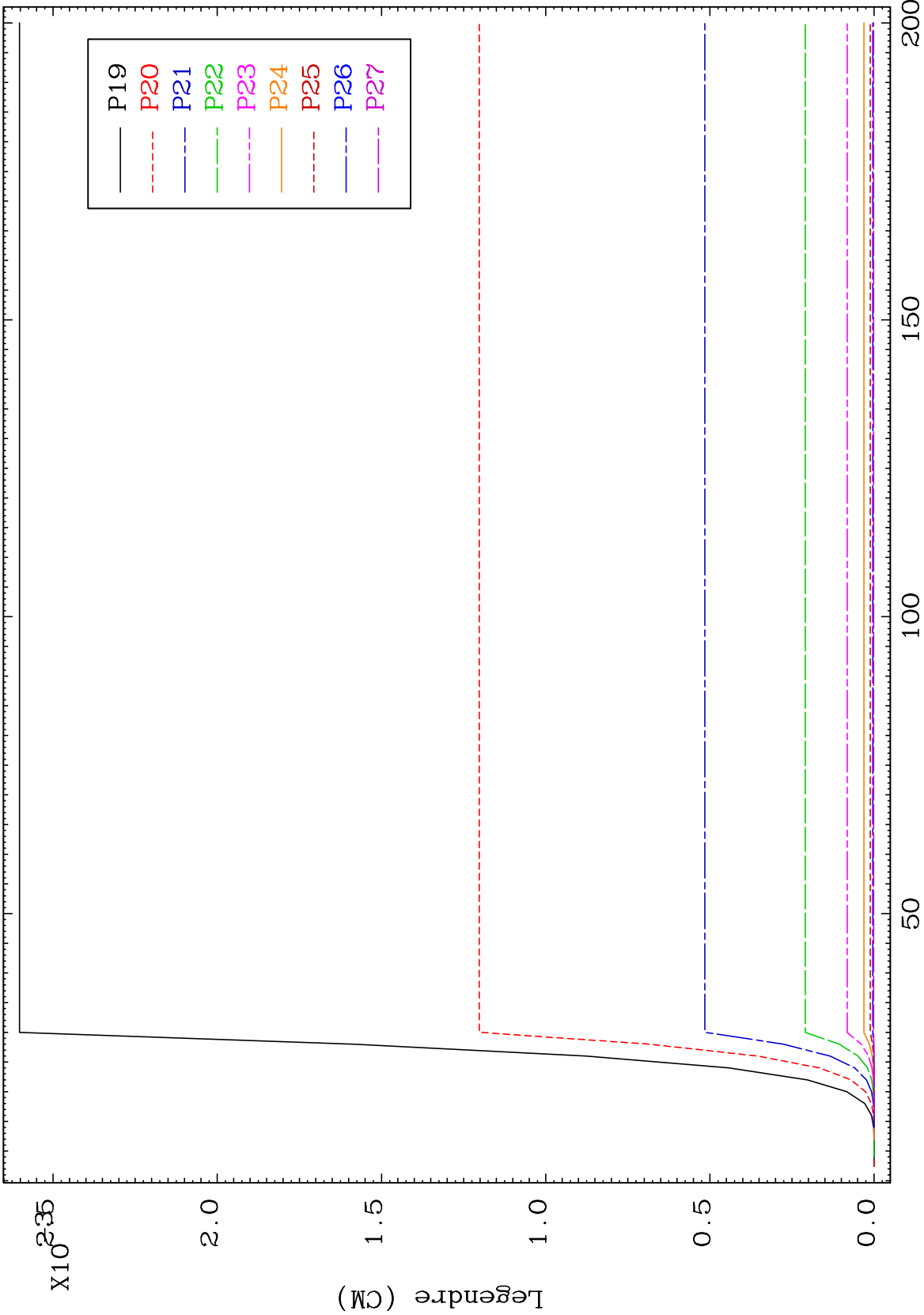
39-Y -83



73

Incident Energy (MeV)

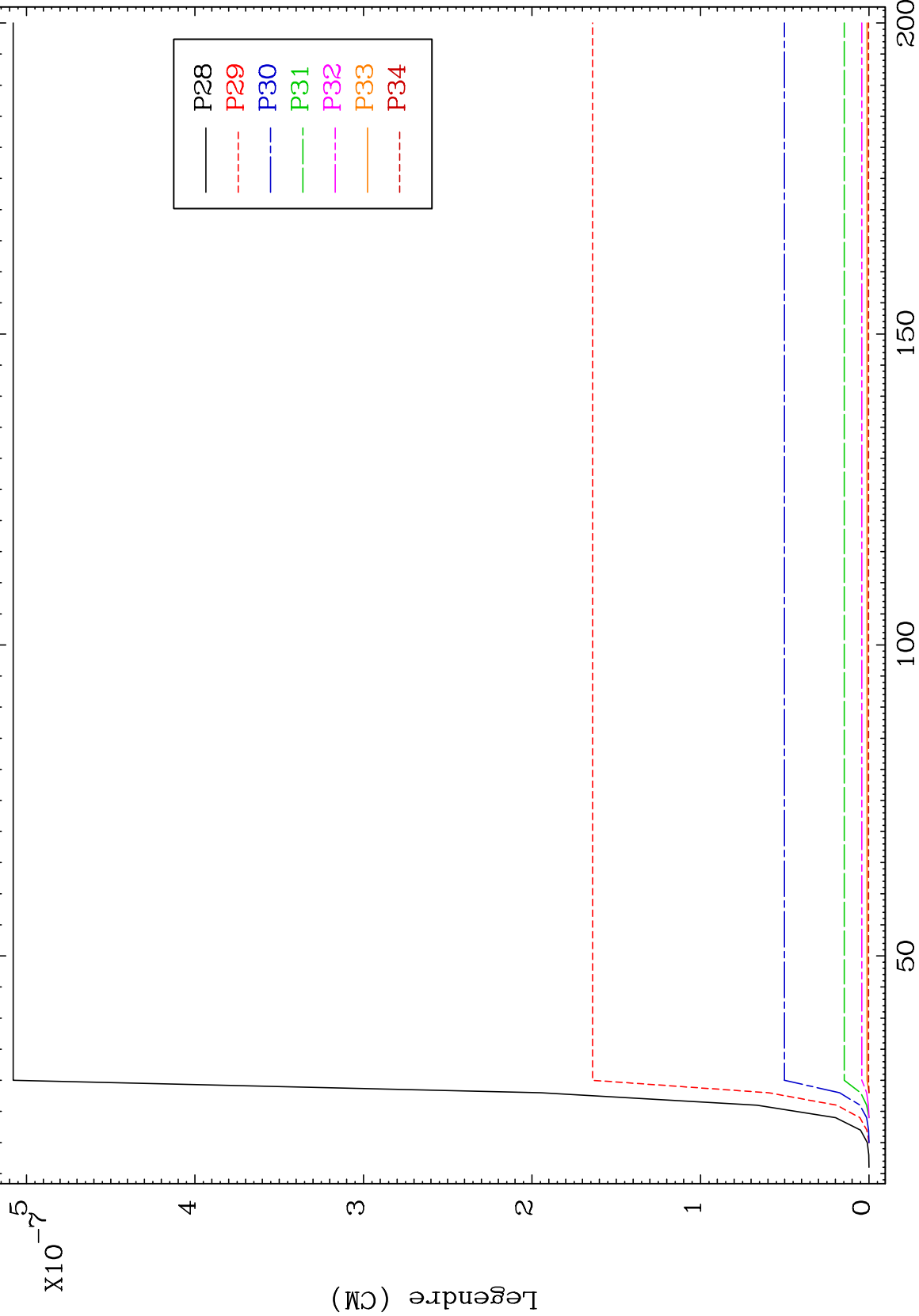
39-Y -83



MAT 3907

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

39-Y -83



75

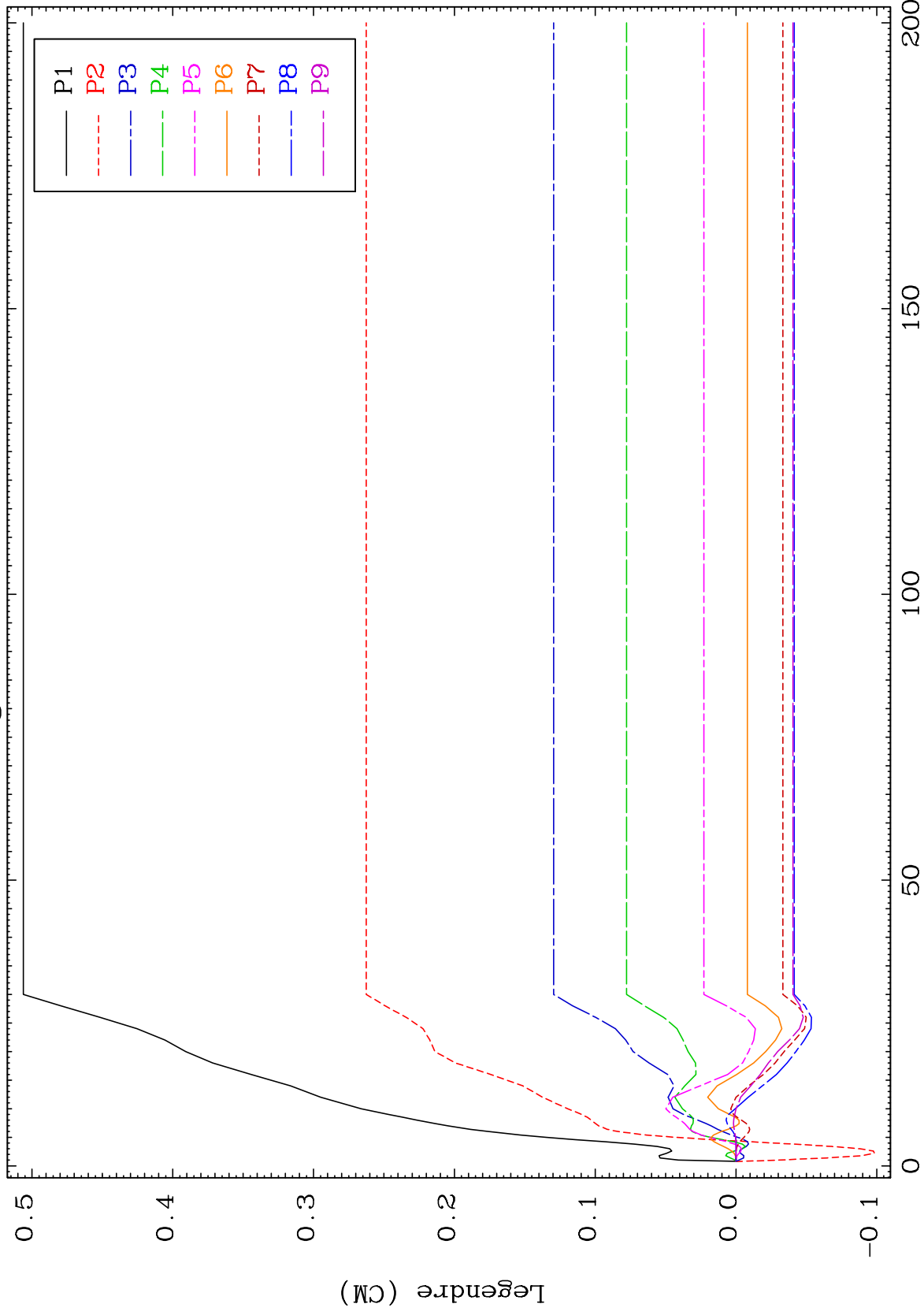
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



76

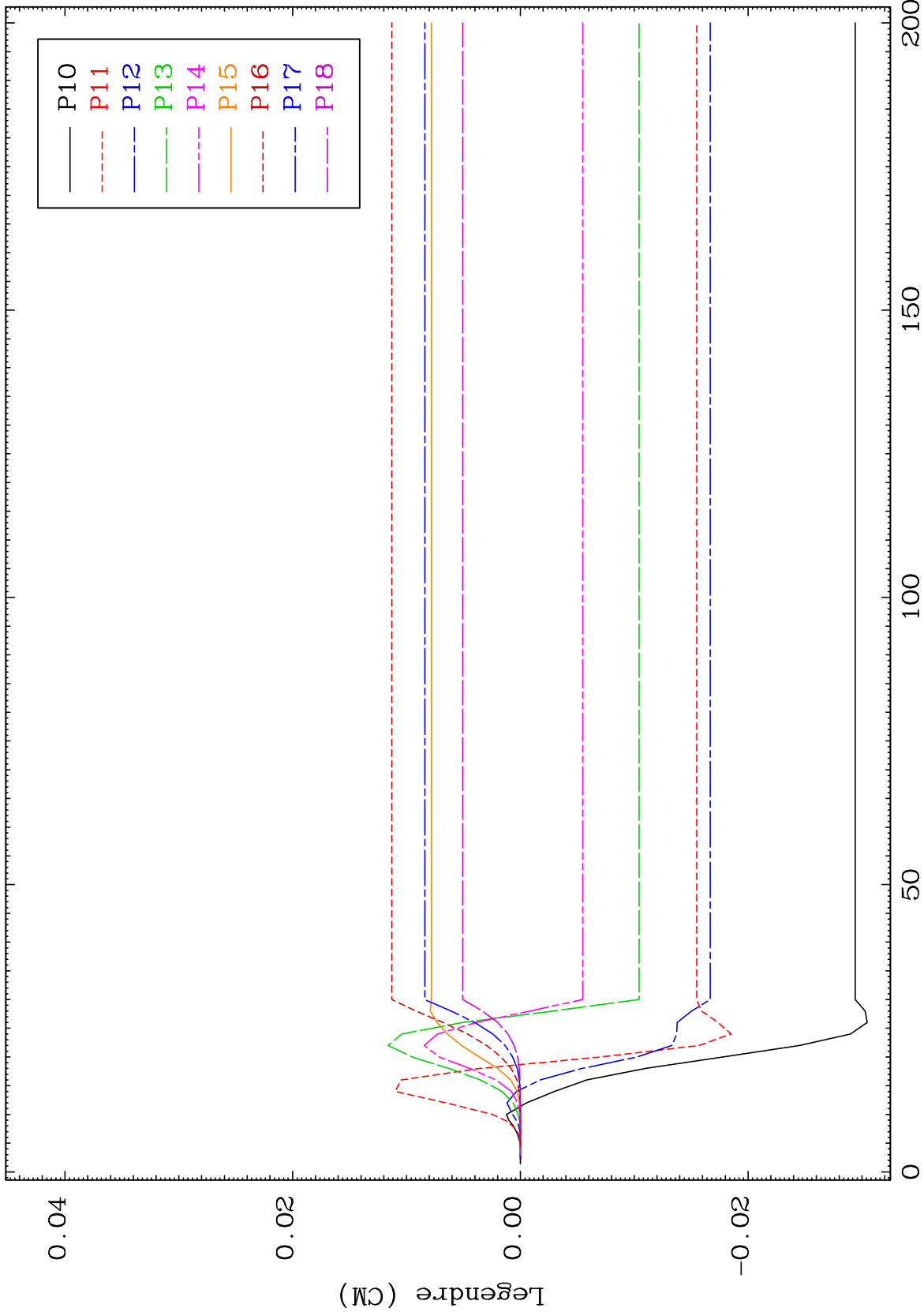
Incident Energy (MeV)

39-Y -83

MAT 3907

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

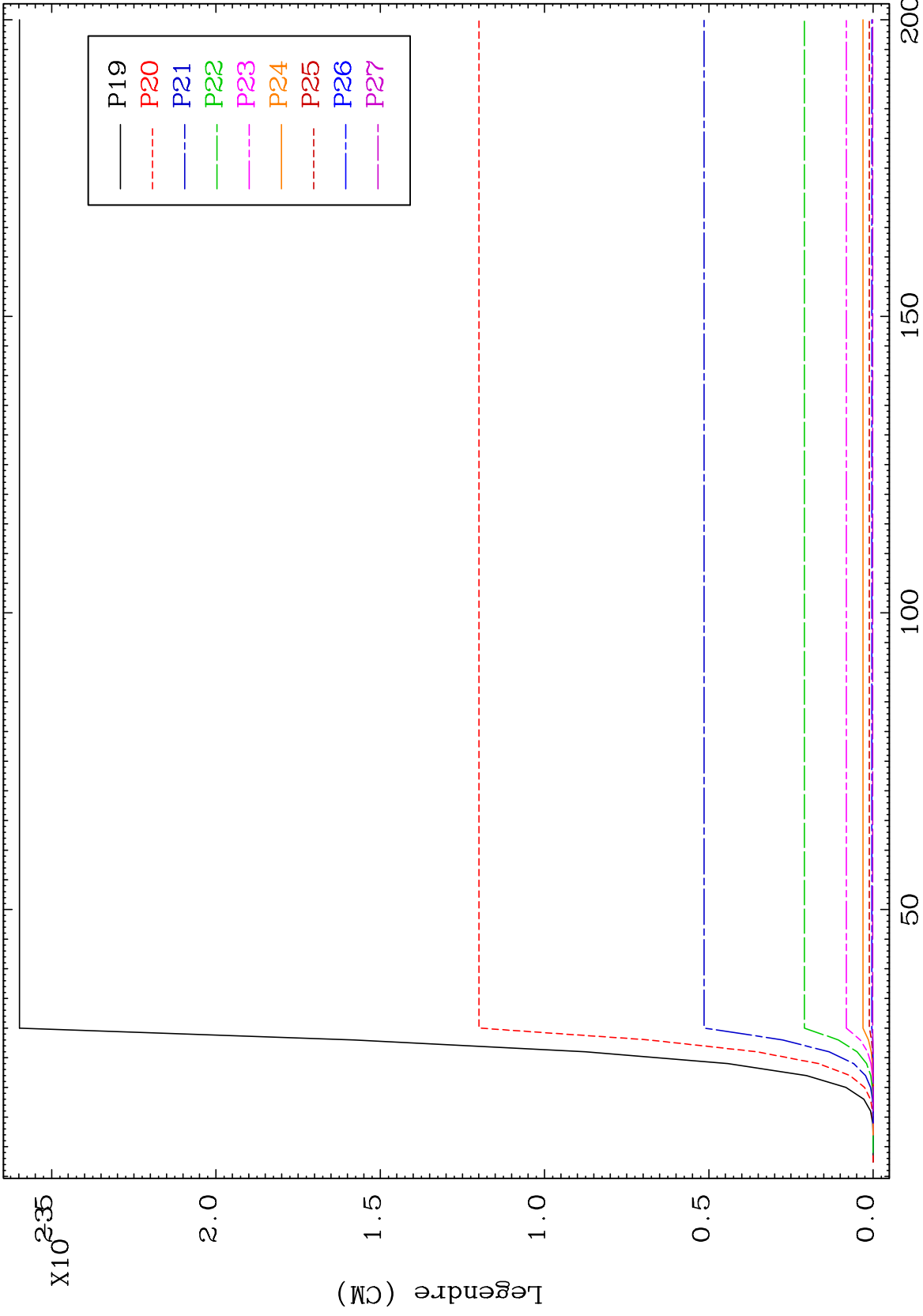
39-Y -83



77

Incident Energy (MeV)

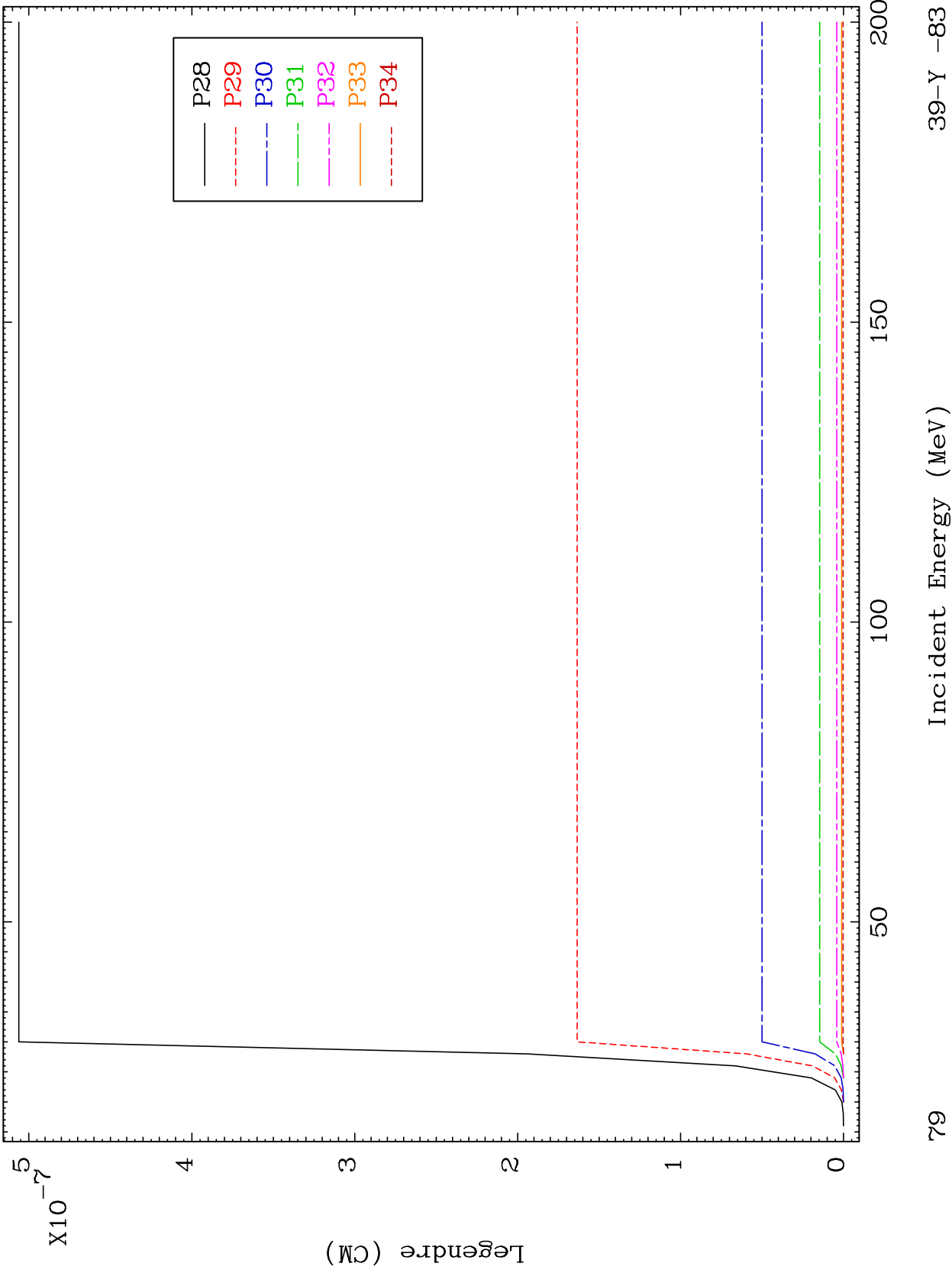
39-Y -83



MAT 3907

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

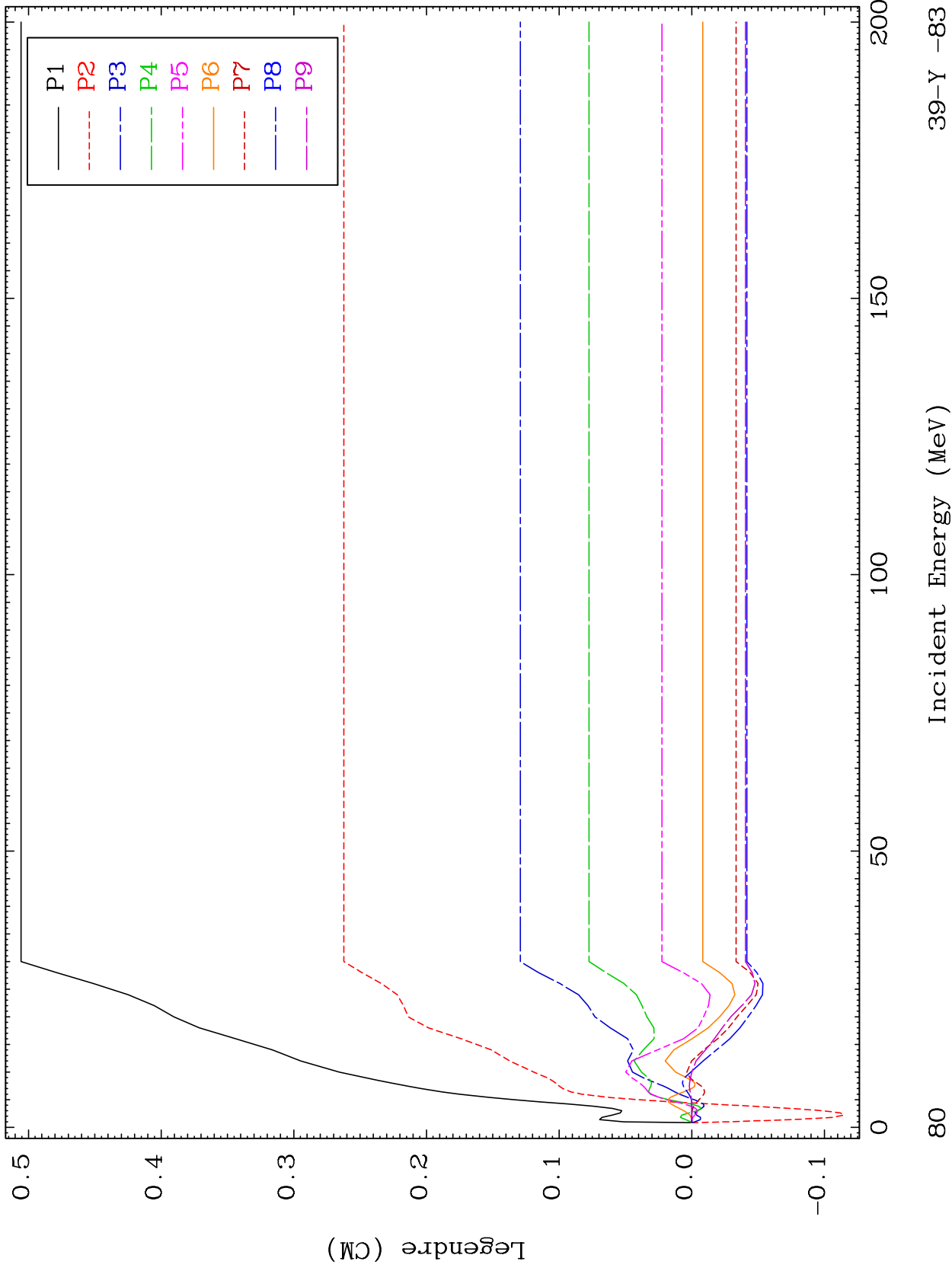
39-Y -83



MAT 3907

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

39-Y -83

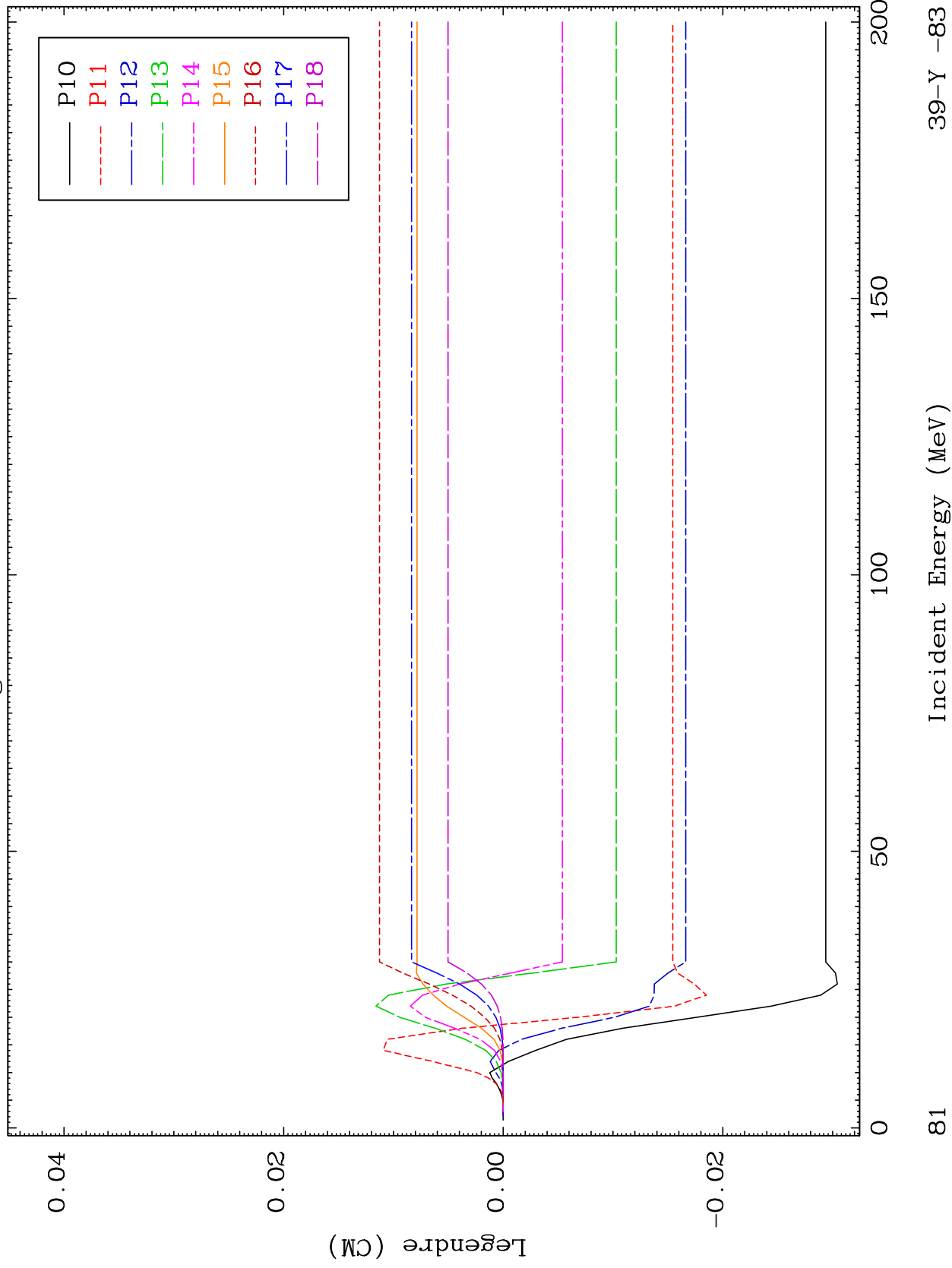


39-Y -83

MAT 3907

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

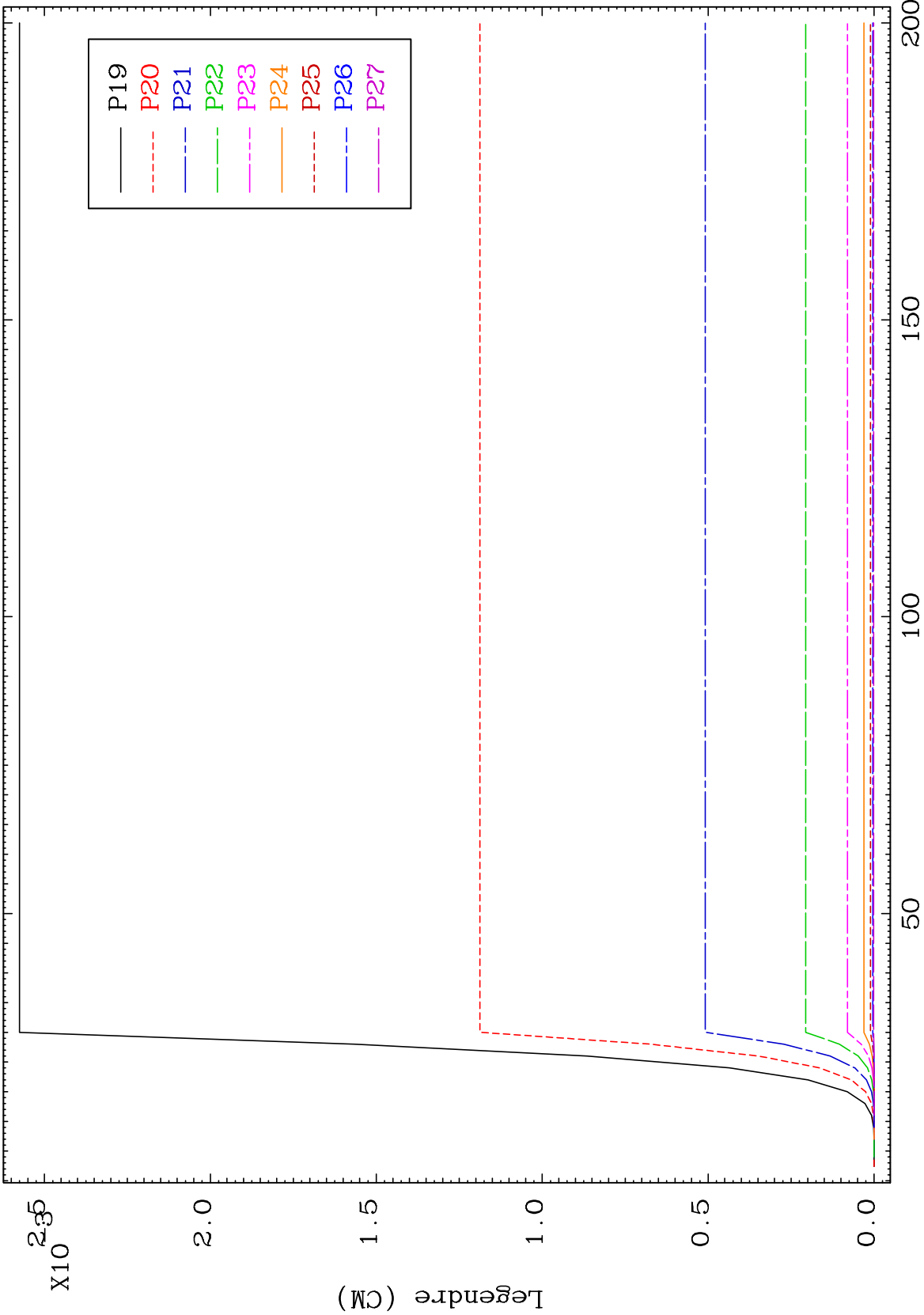
39-Y -83



81

Incident Energy (MeV)

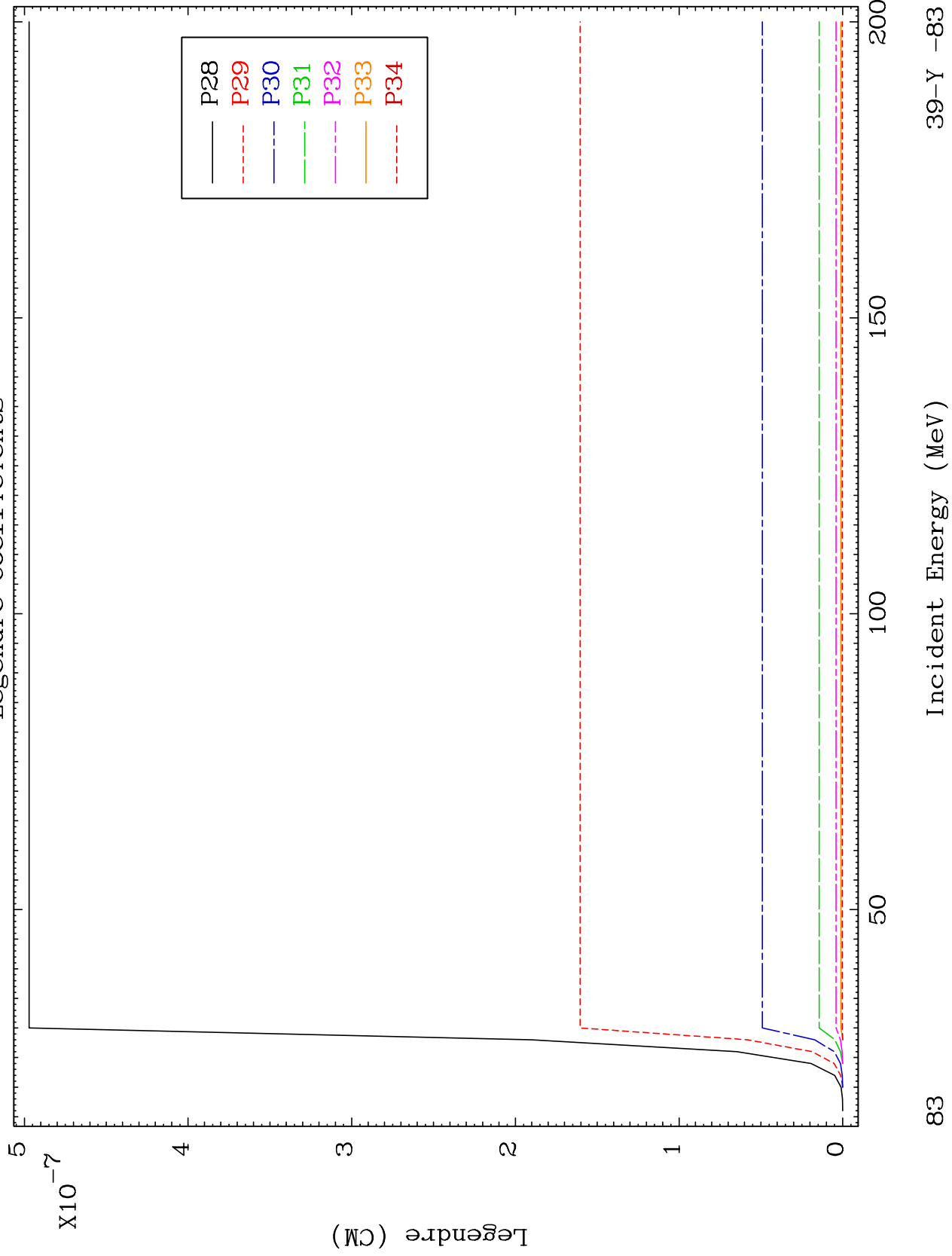
39-Y -83

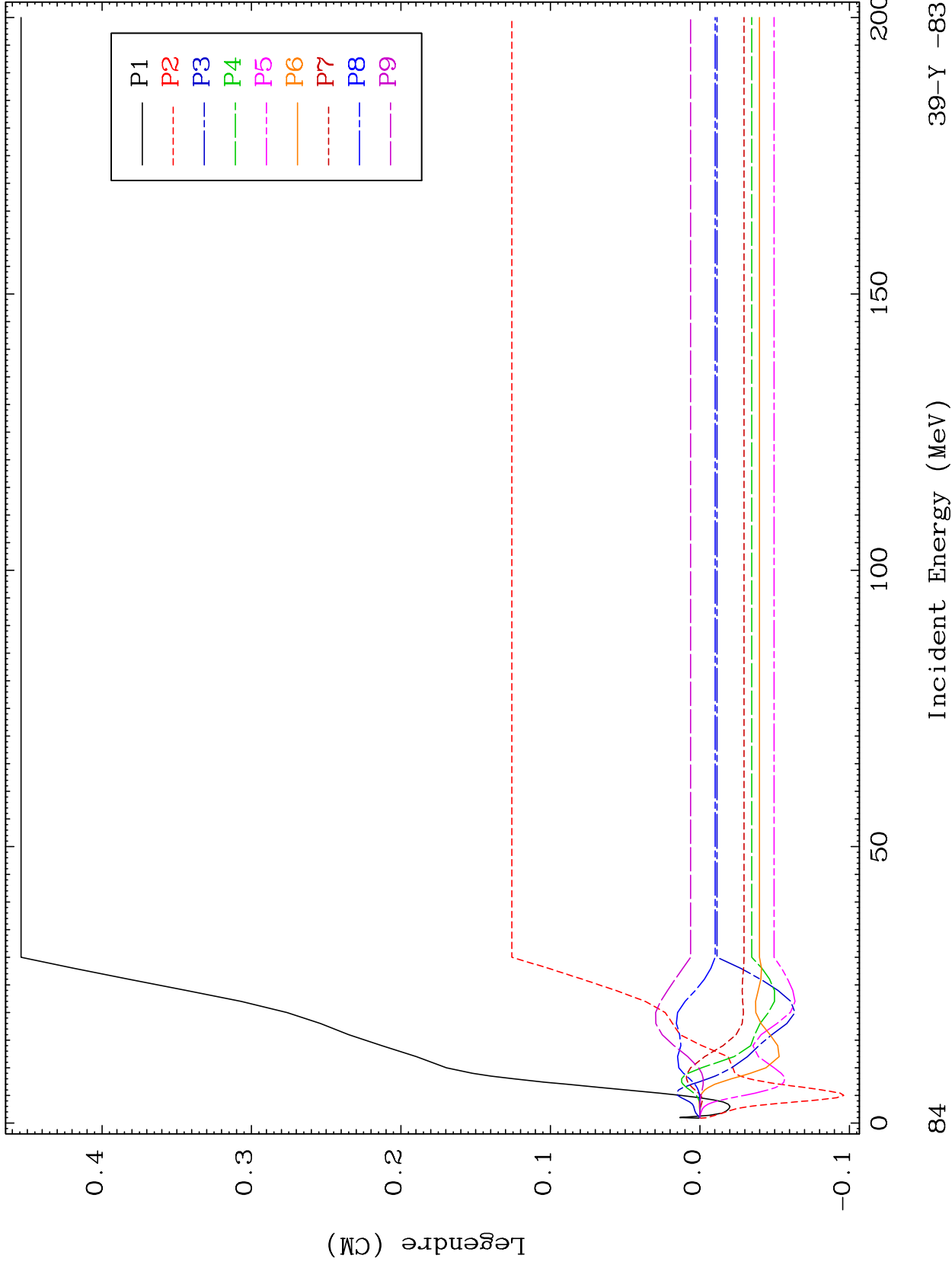


MAT 3907

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

39-Y -83

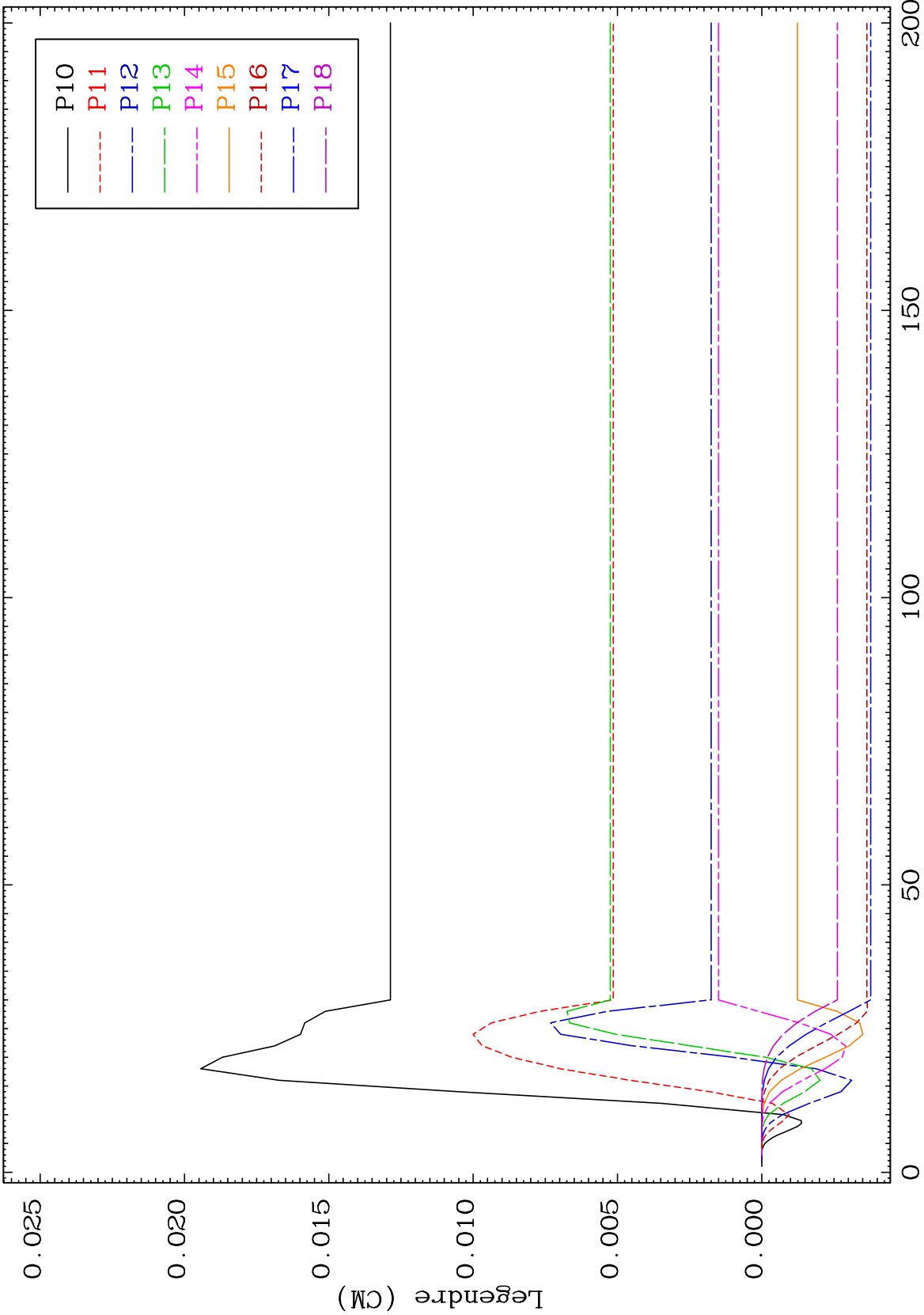




MAT 3907

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

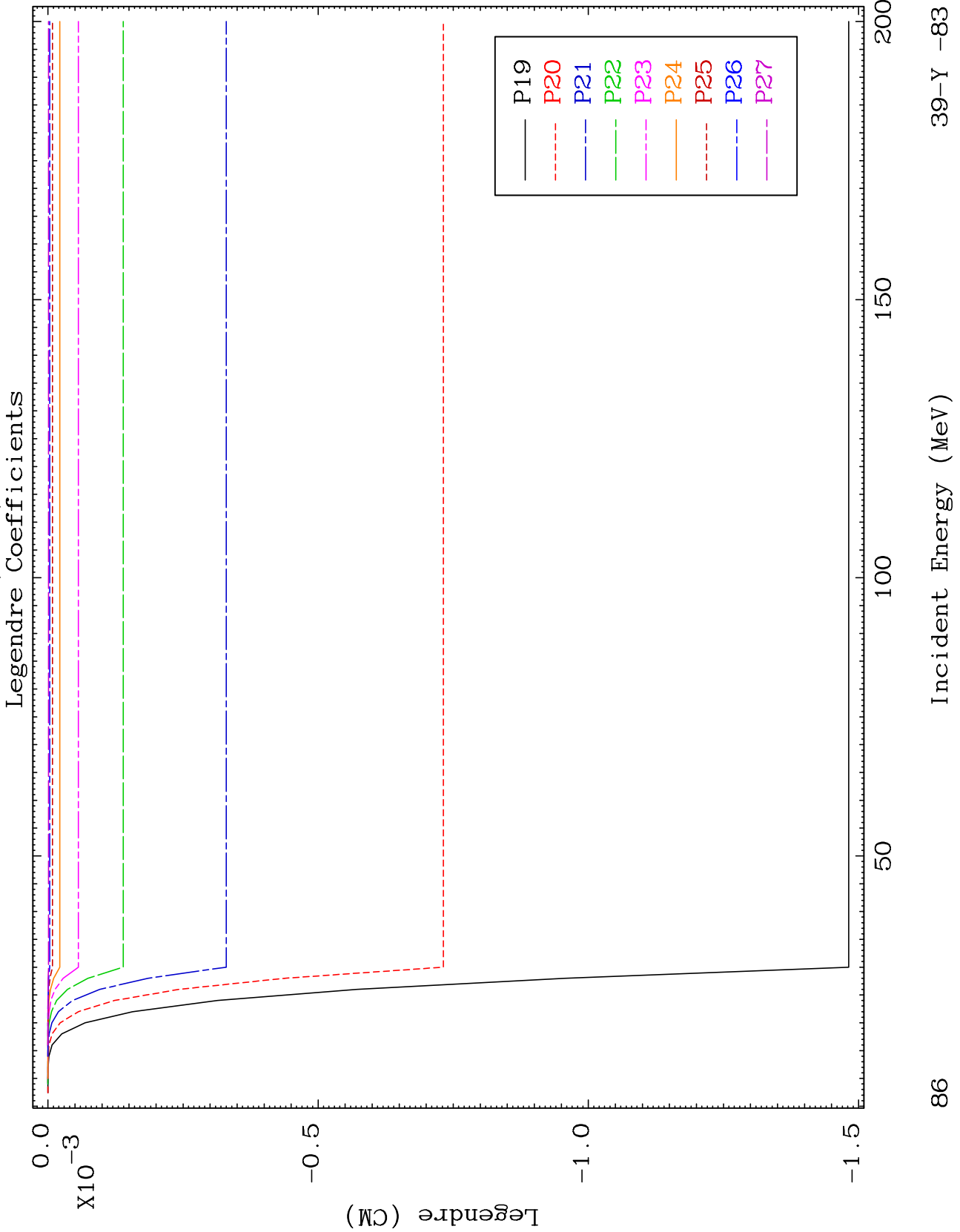
39-Y -83

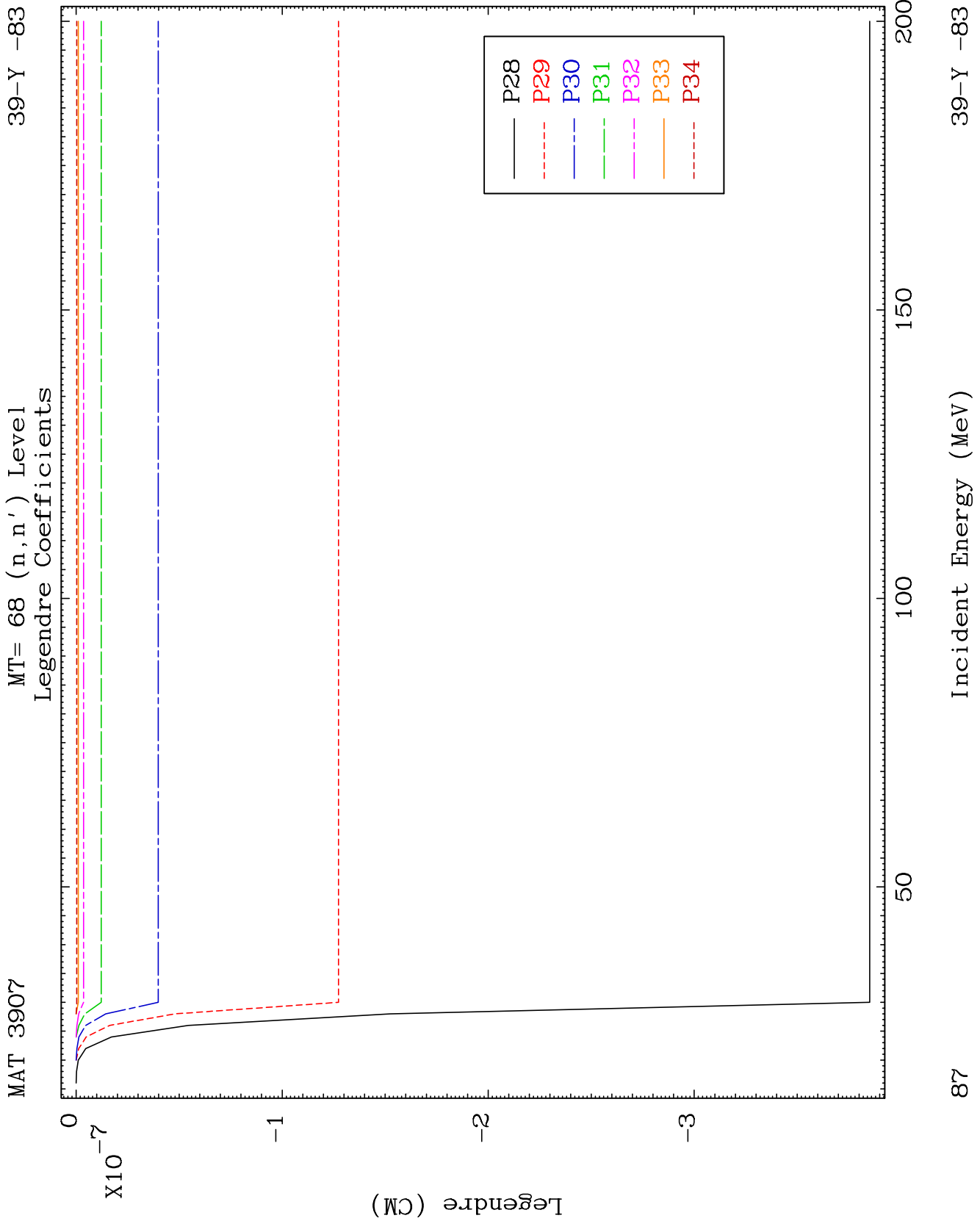


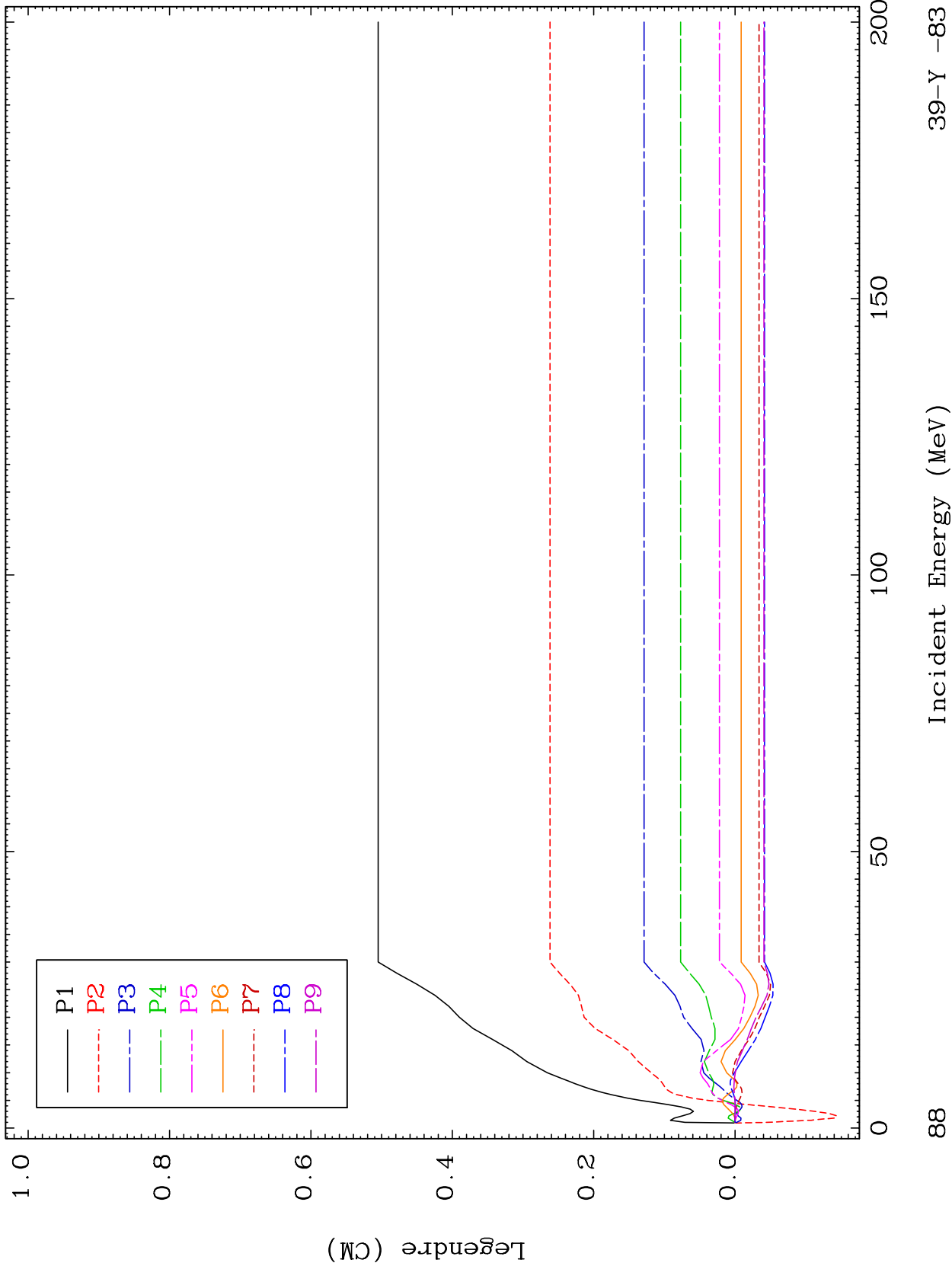
85

Incident Energy (MeV)

39-Y -83



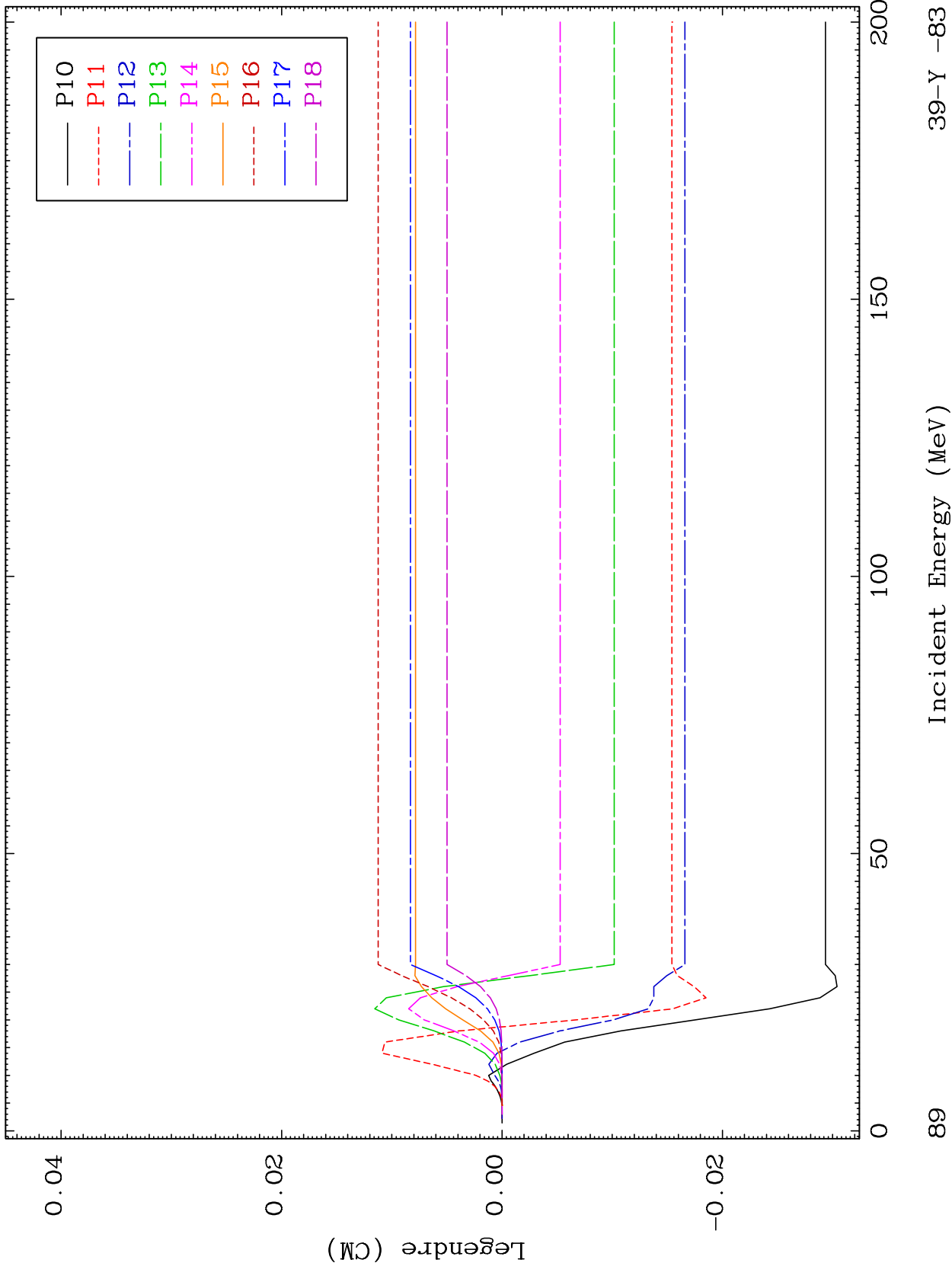




MAT 3907

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

39-Y -83



89

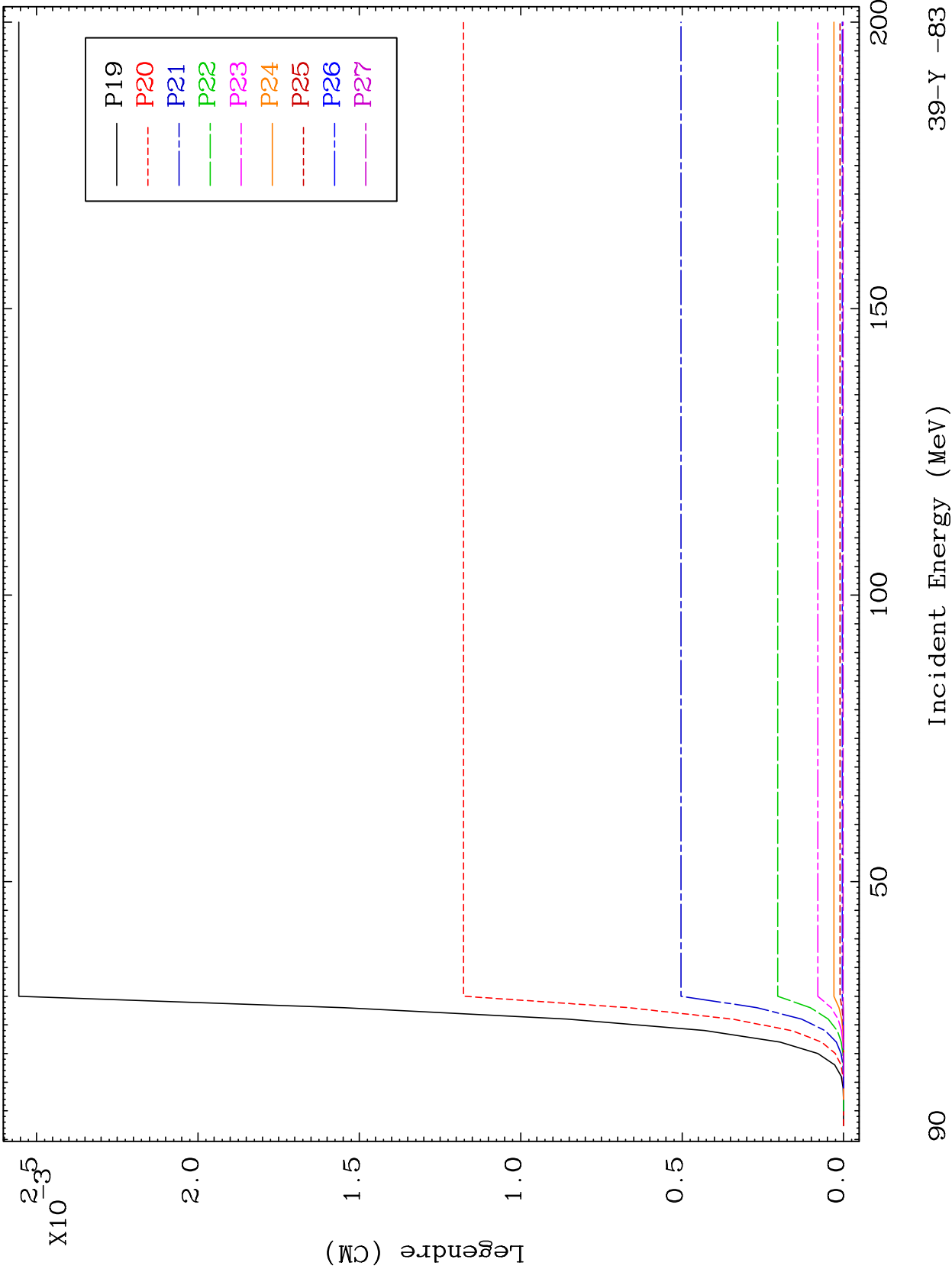
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



90

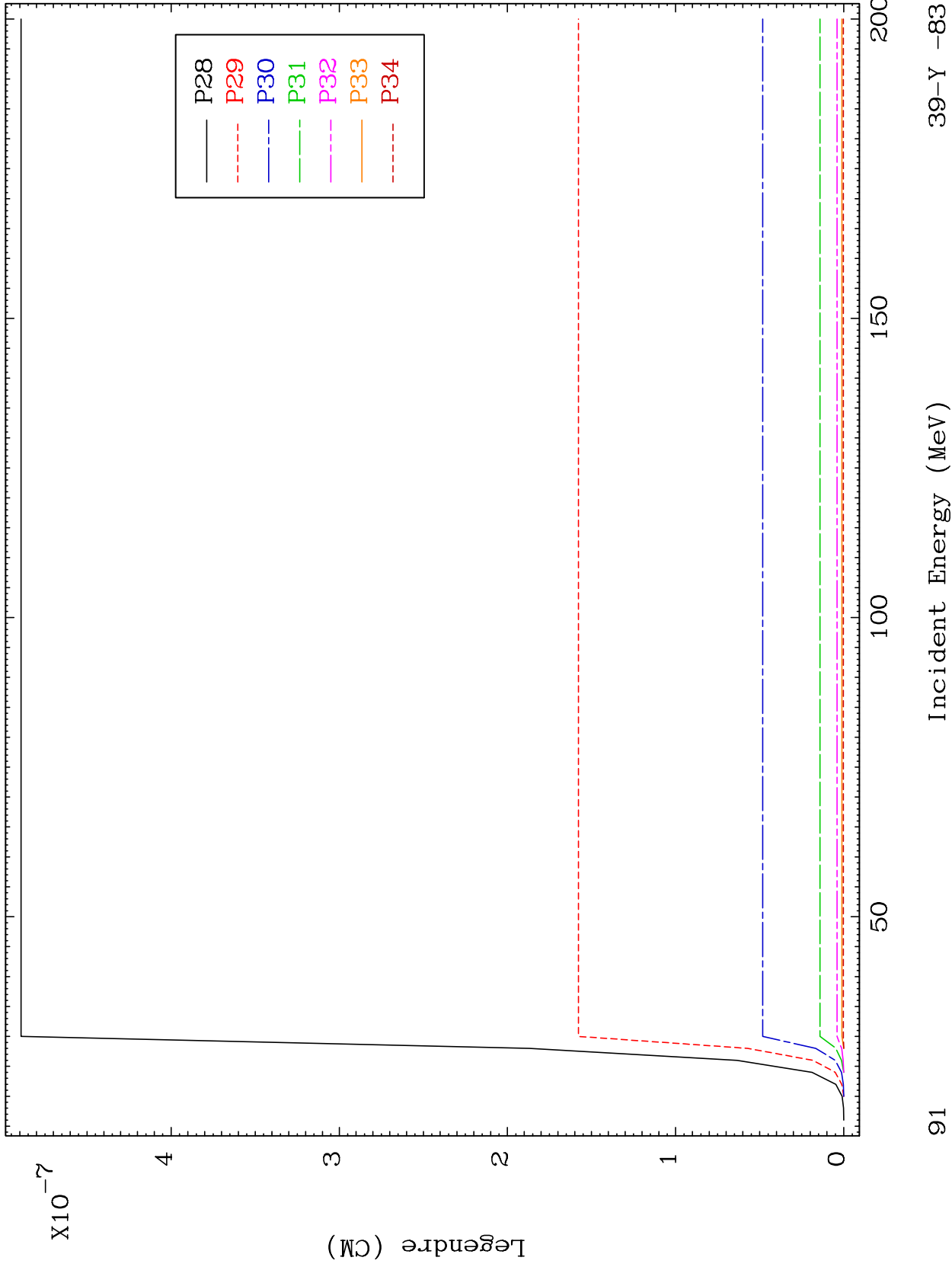
Incident Energy (MeV)

39-Y -83

MAT 3907

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

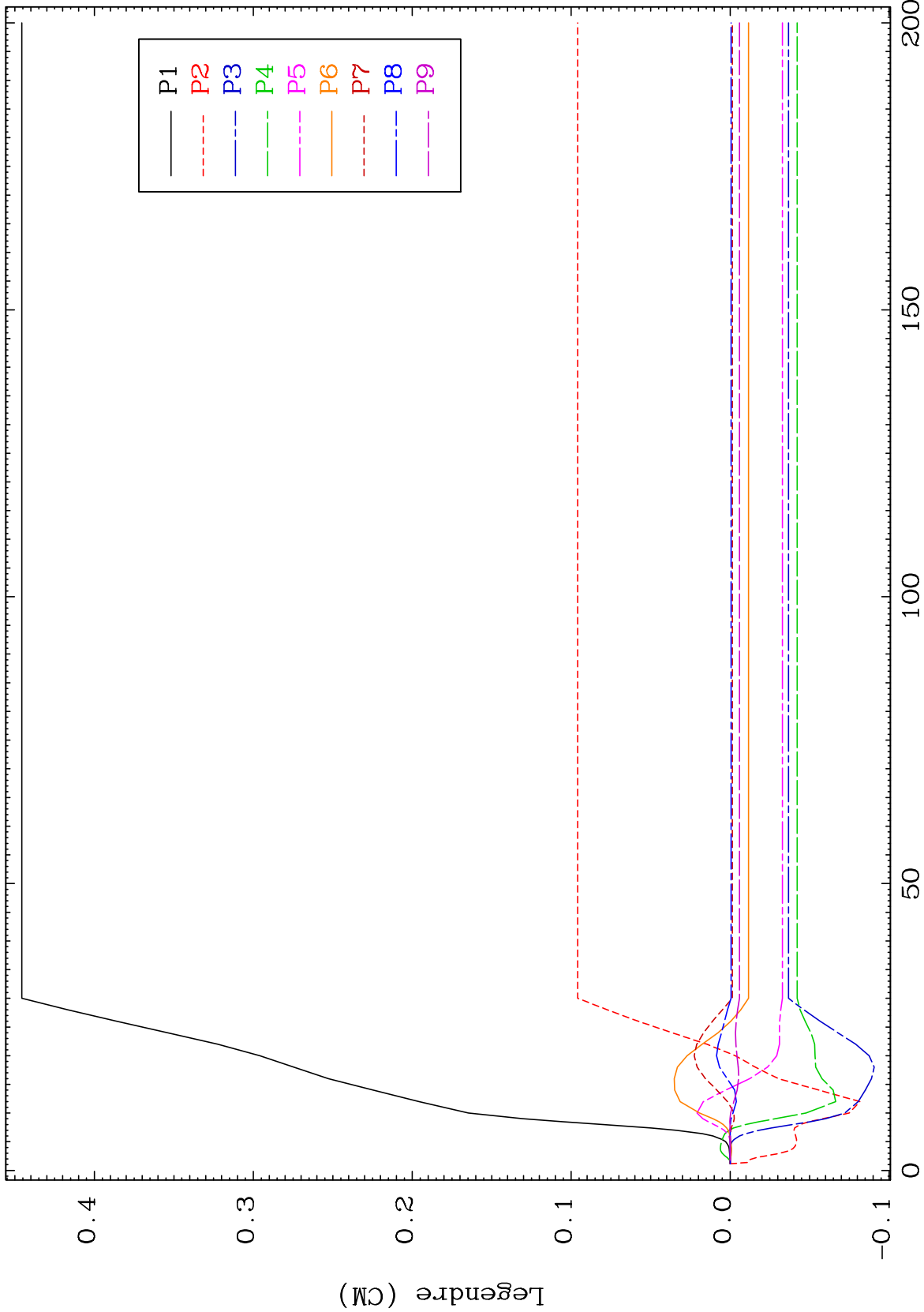
39-Y -83



MAT 3907

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

39-Y -83



92

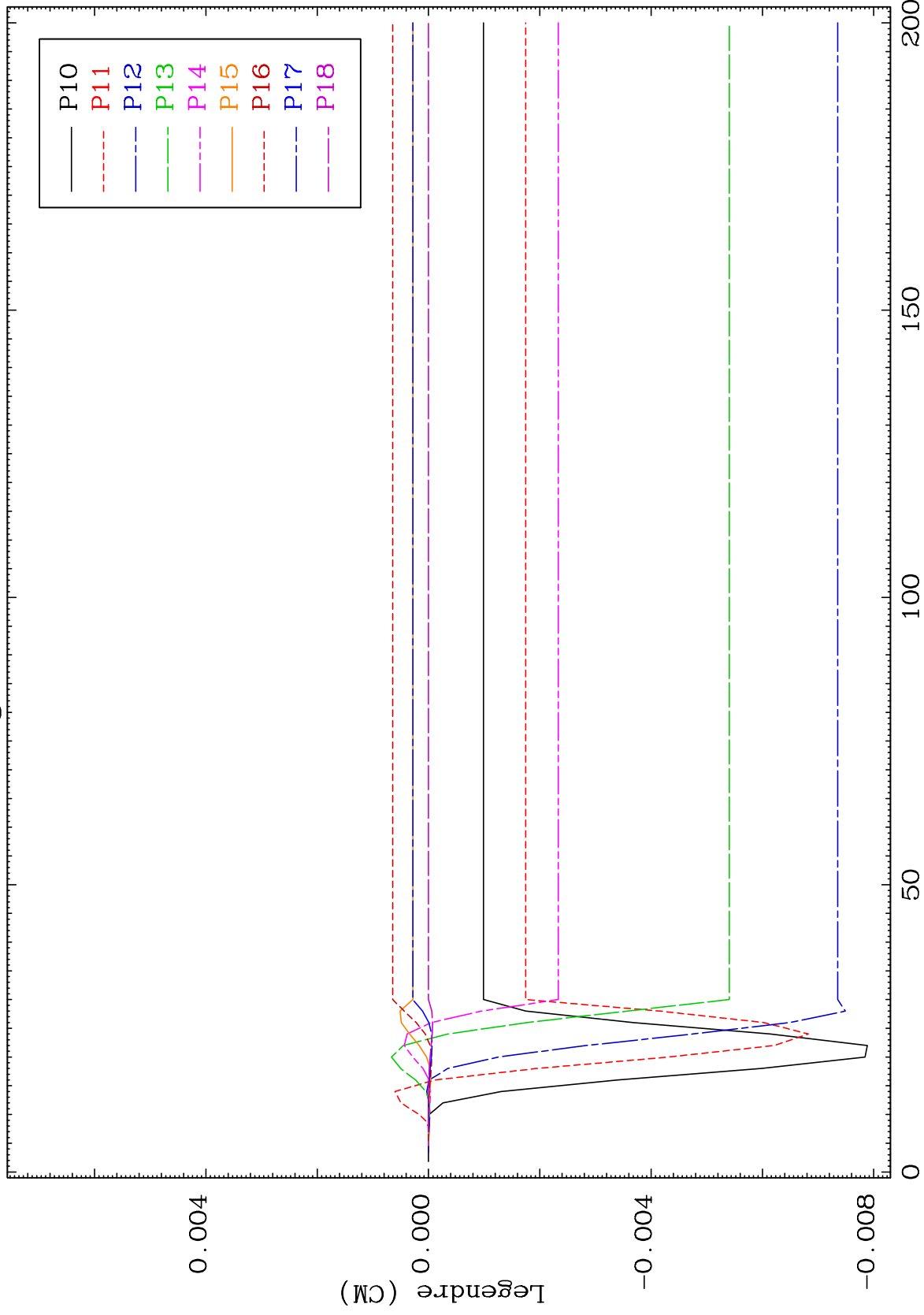
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



93

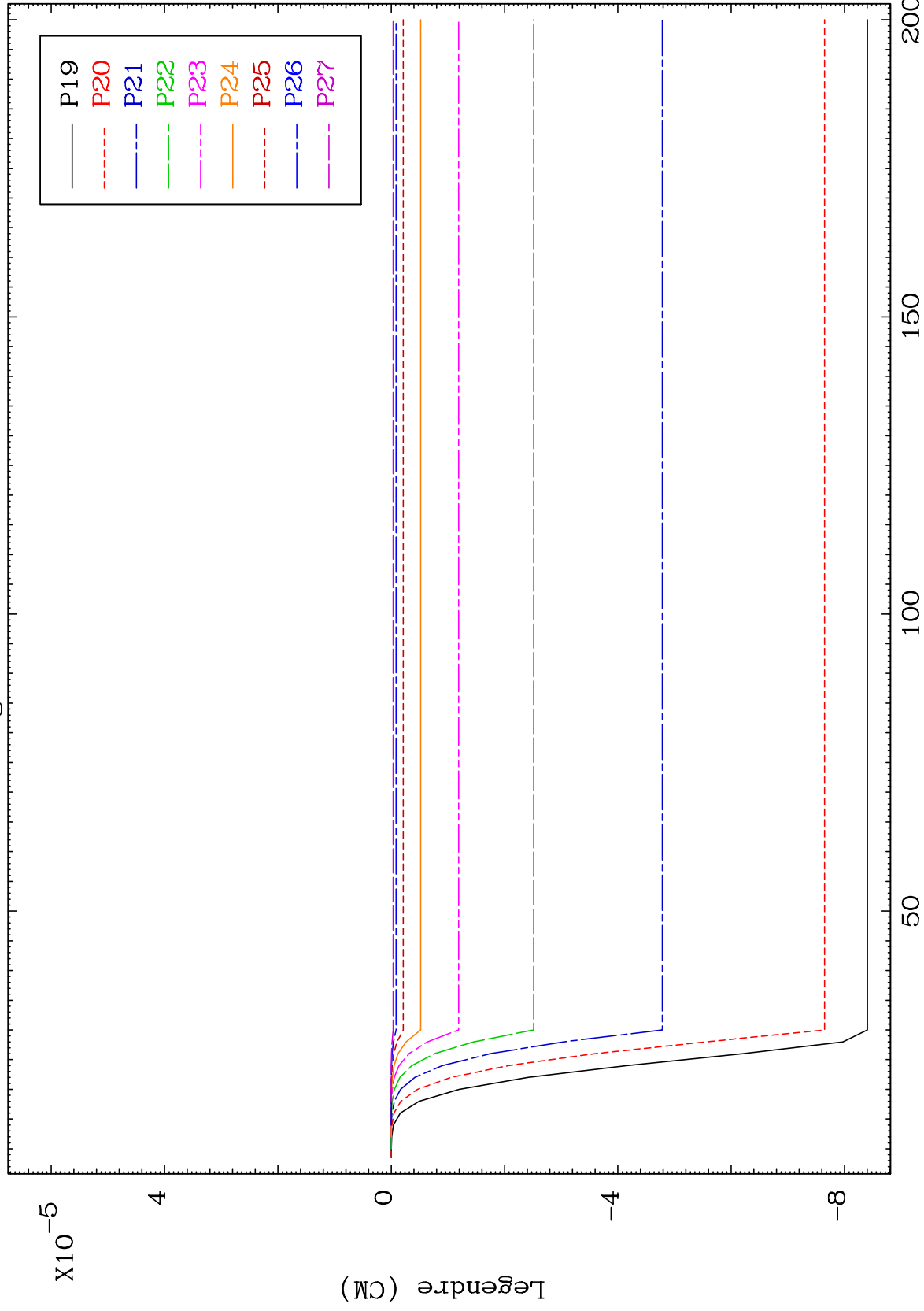
Incident Energy (MeV)

39-Y -83

MAT 3907

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

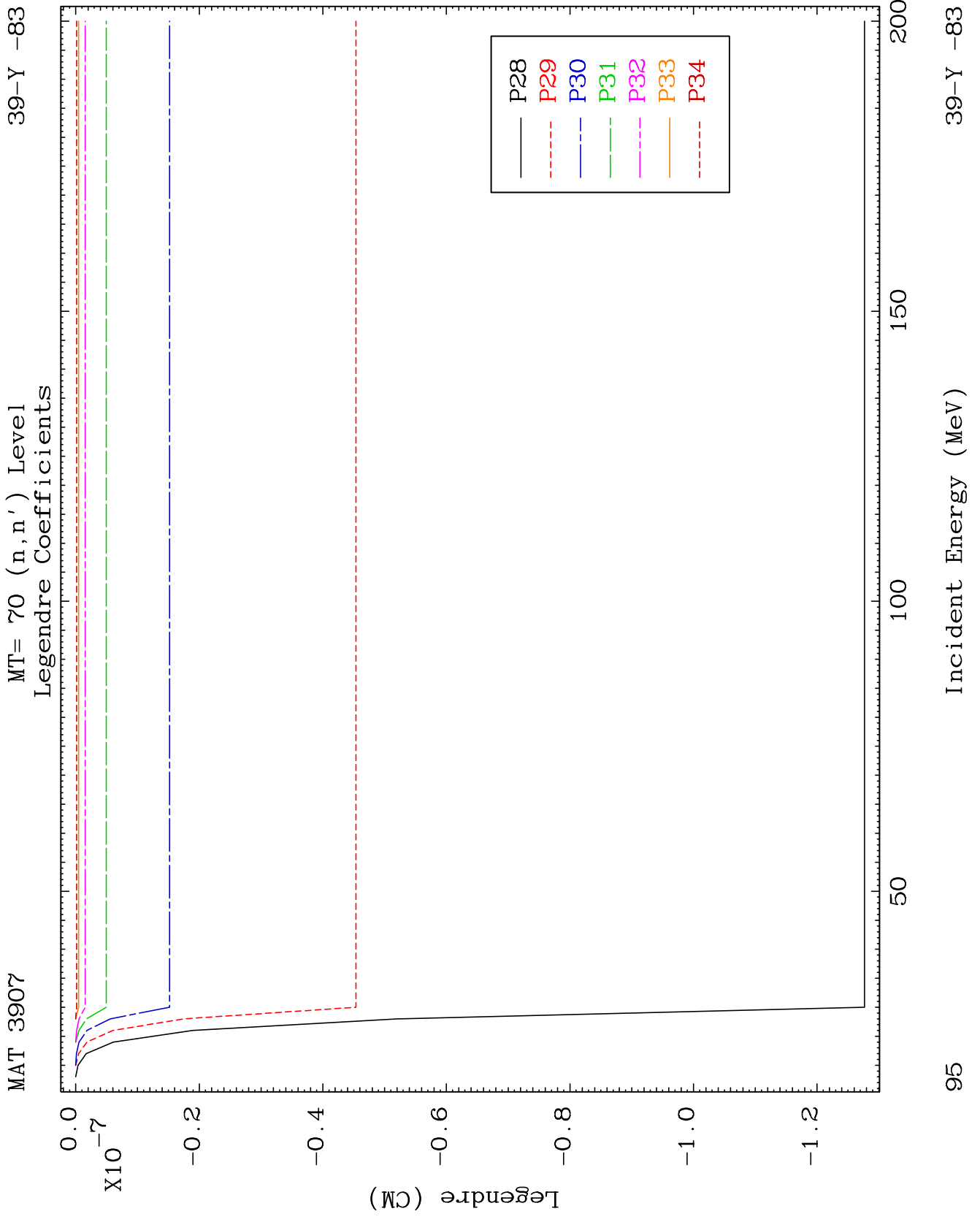
39-Y -83

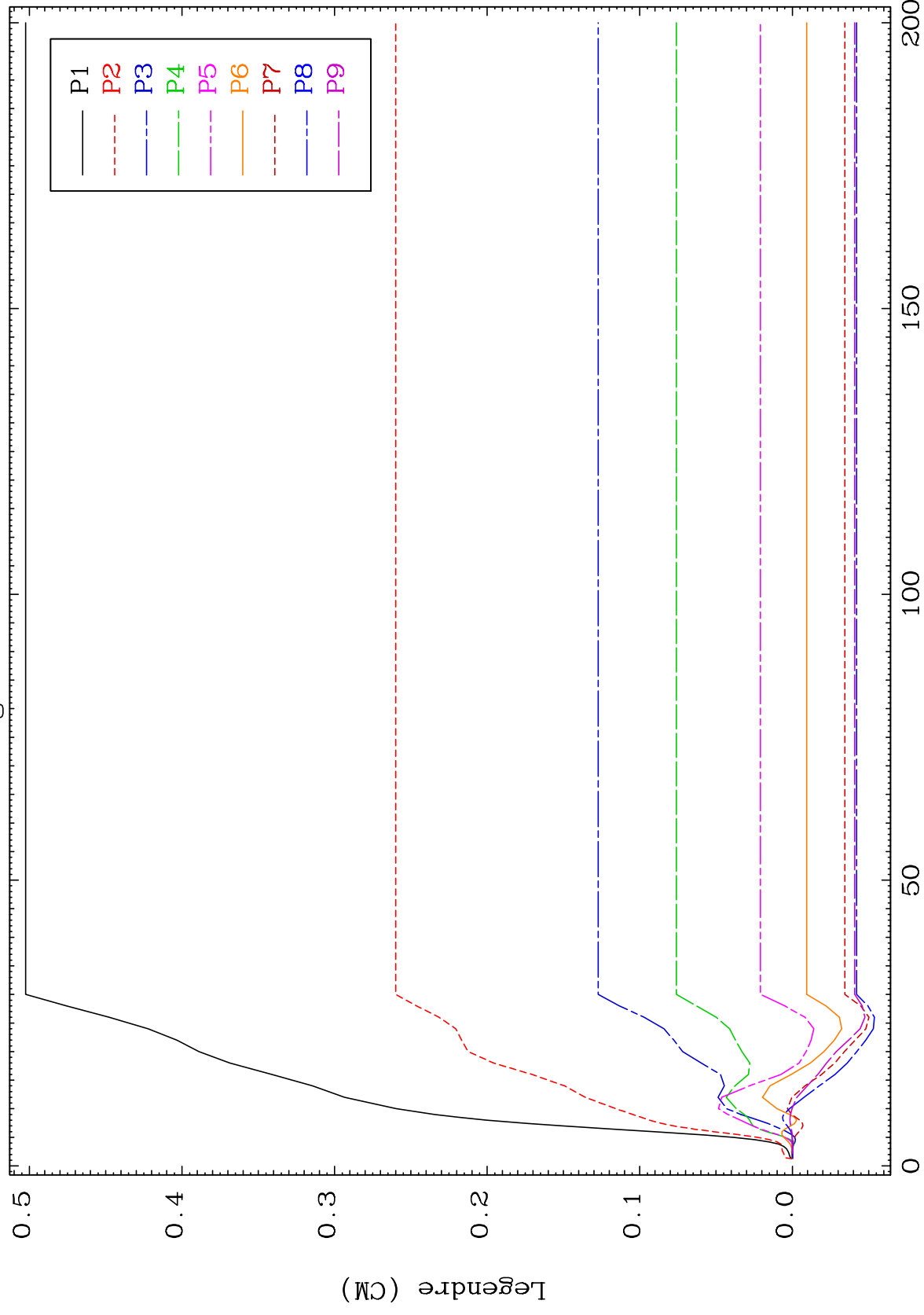


94

Incident Energy (MeV)

39-Y -83

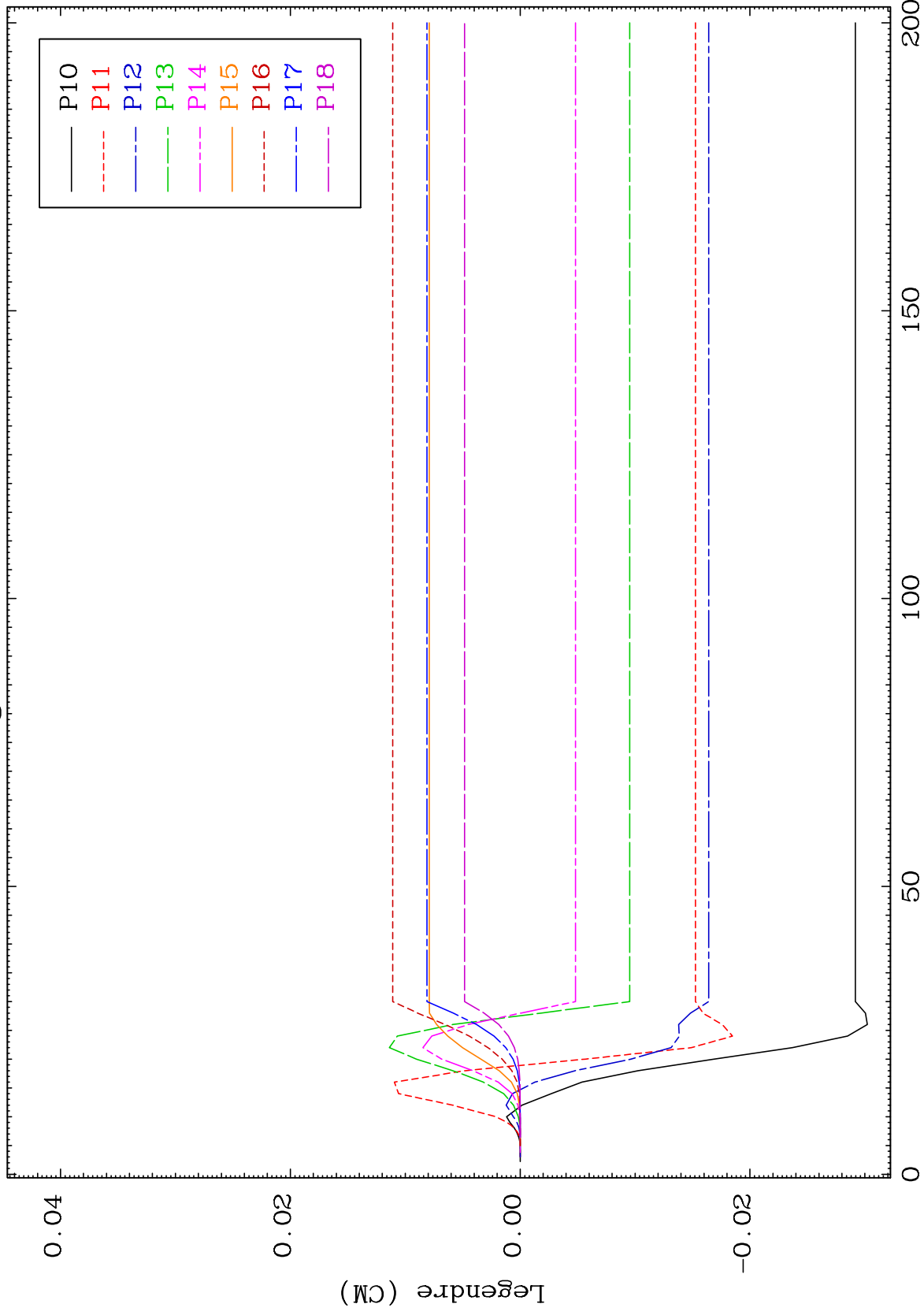




MAT 3907

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

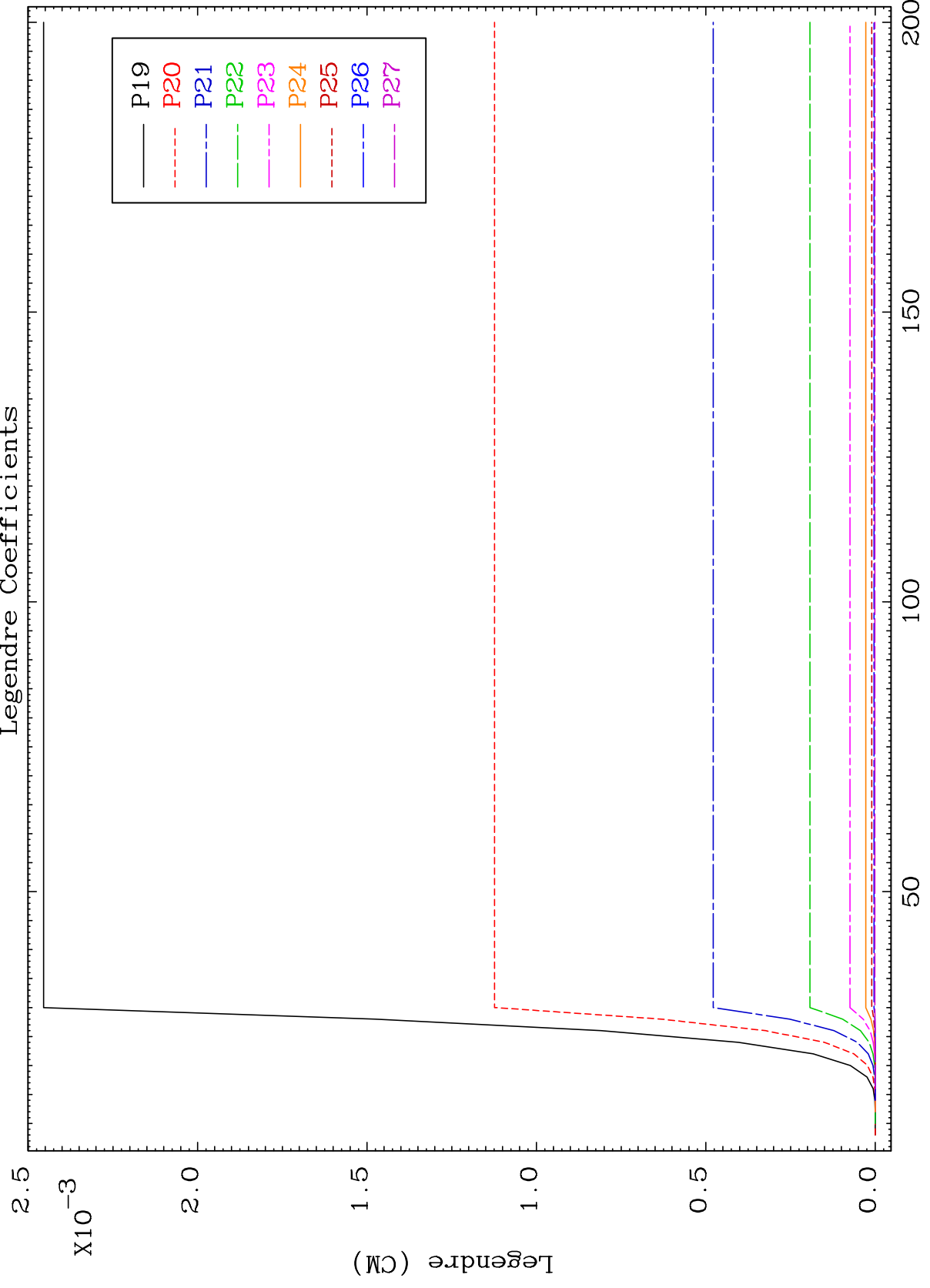
39-Y -83



97

Incident Energy (MeV)

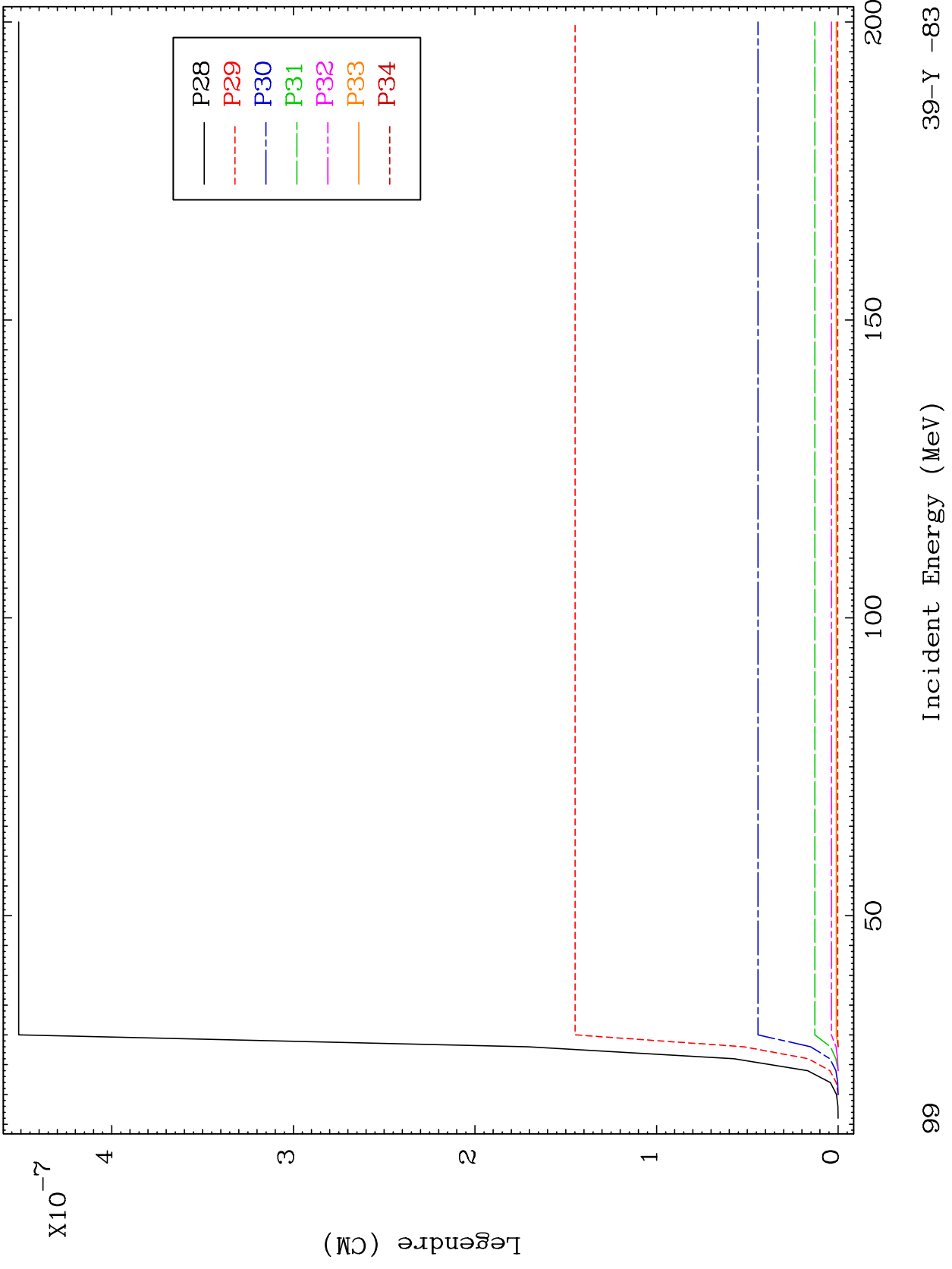
39-Y -83



MAT 3907

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

39-Y -83



99

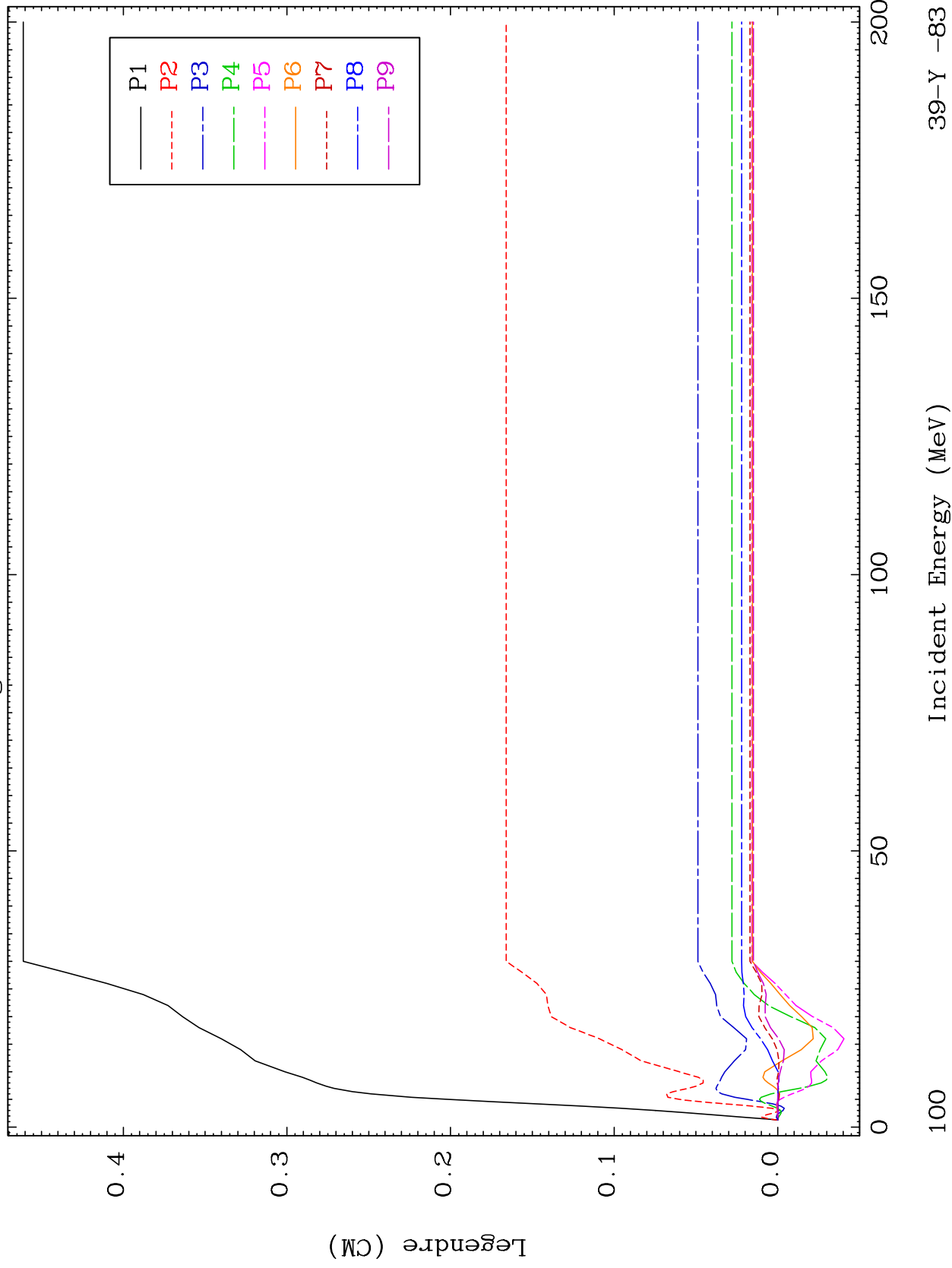
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



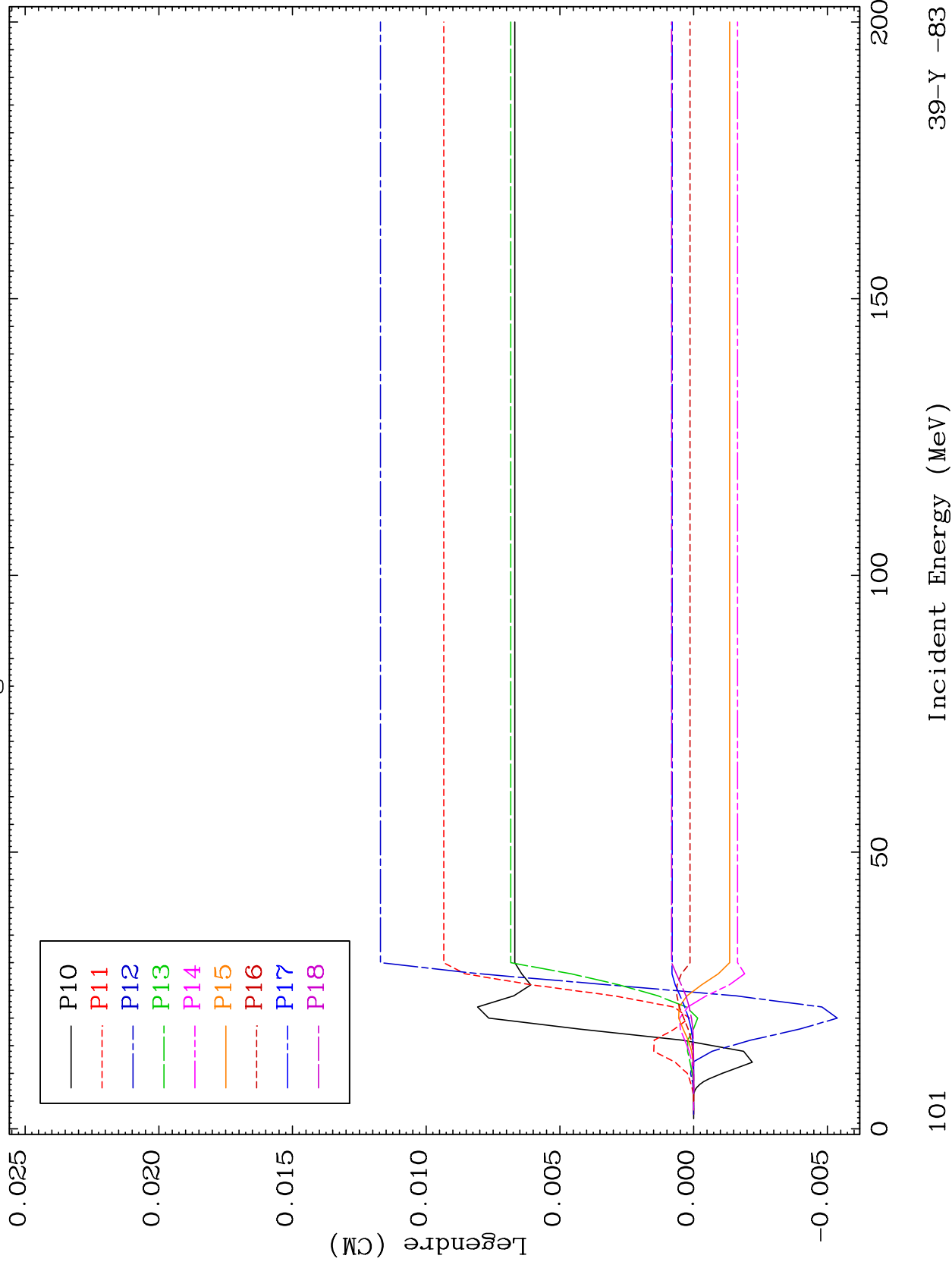
39-Y -83

Incident Energy (MeV)

MAT 3907

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

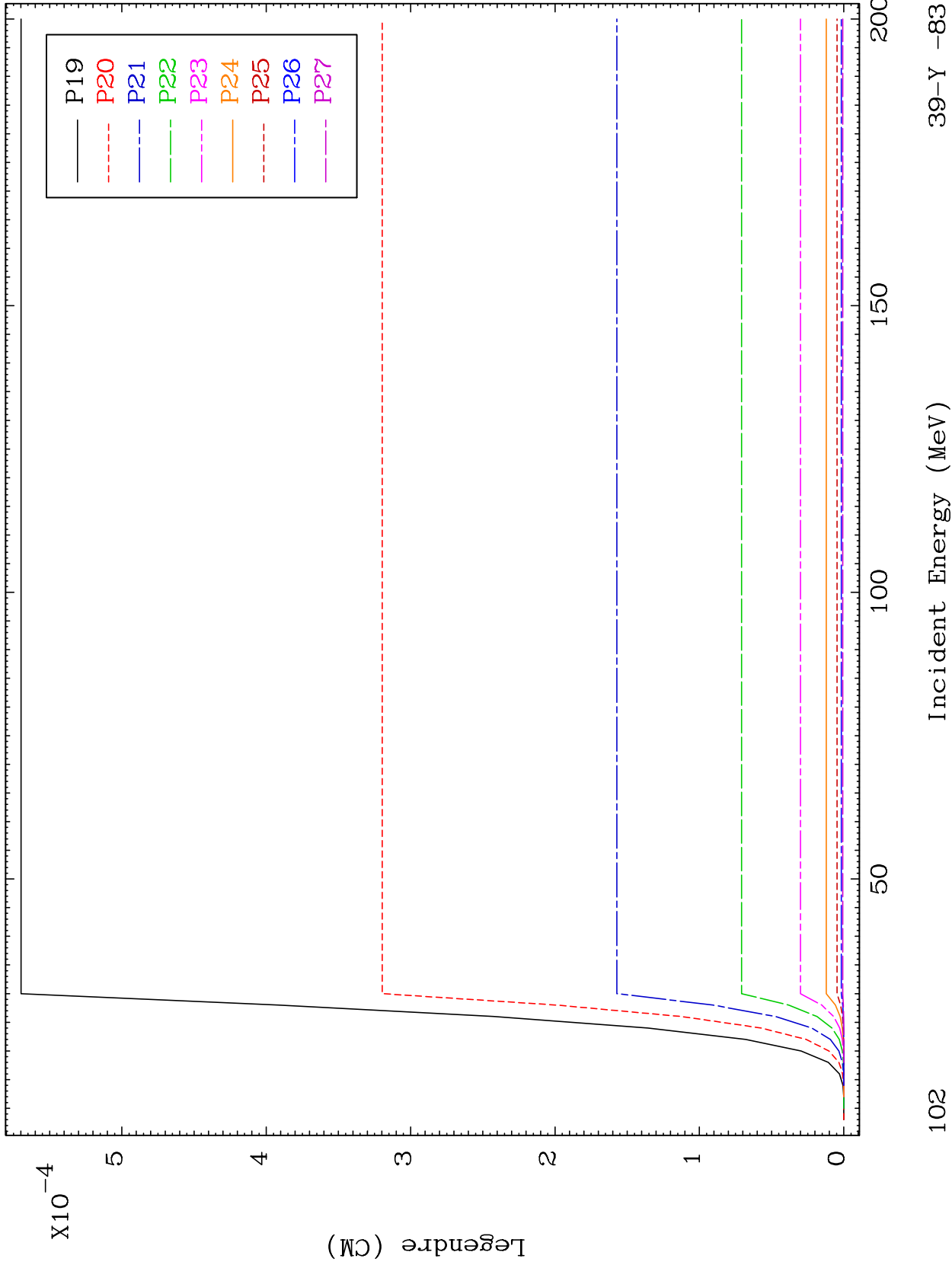
39-Y -83



MAT 3907

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

39-Y -83



102

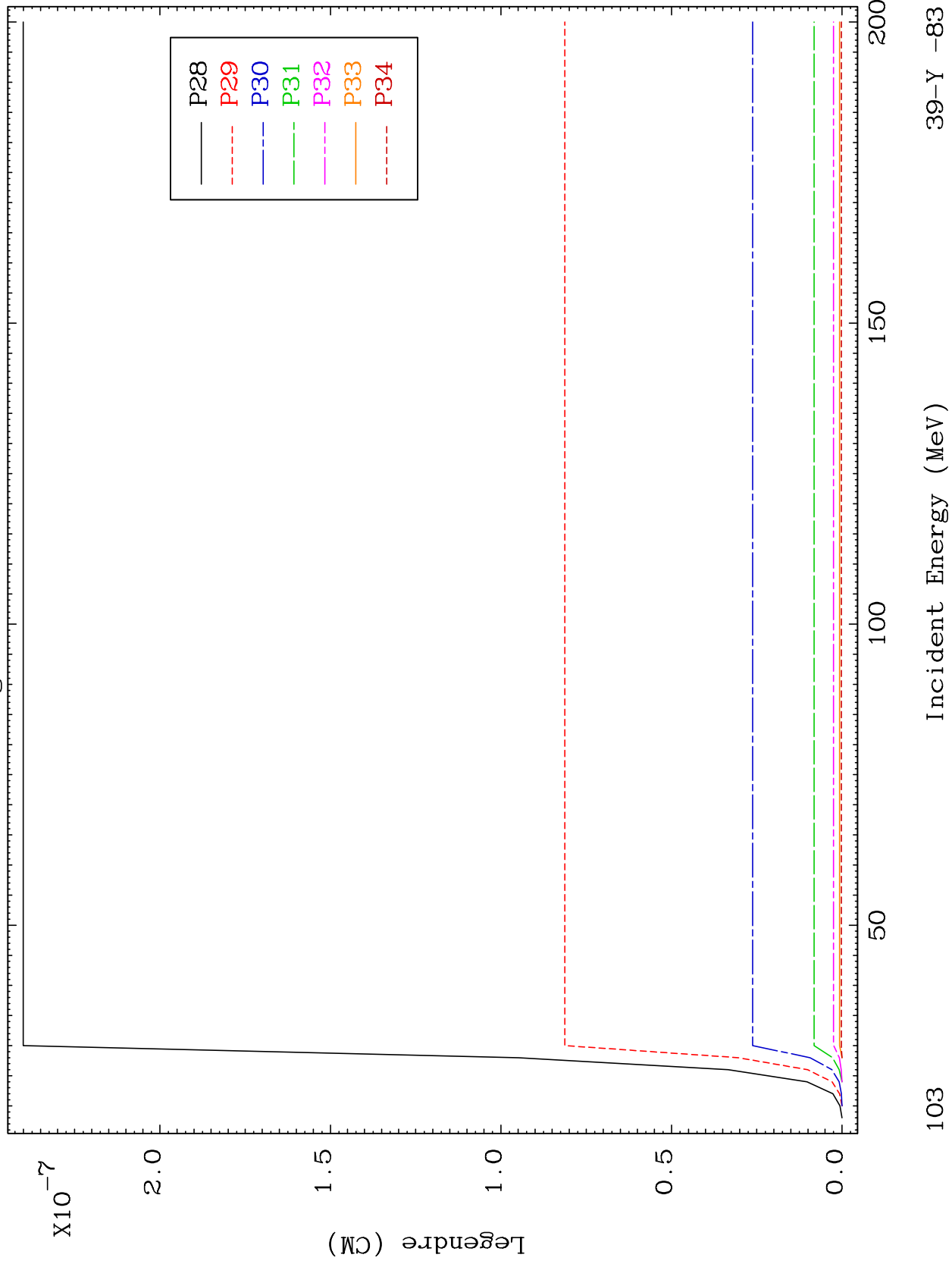
Incident Energy (MeV)

39-Y -83

MAT 3907

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

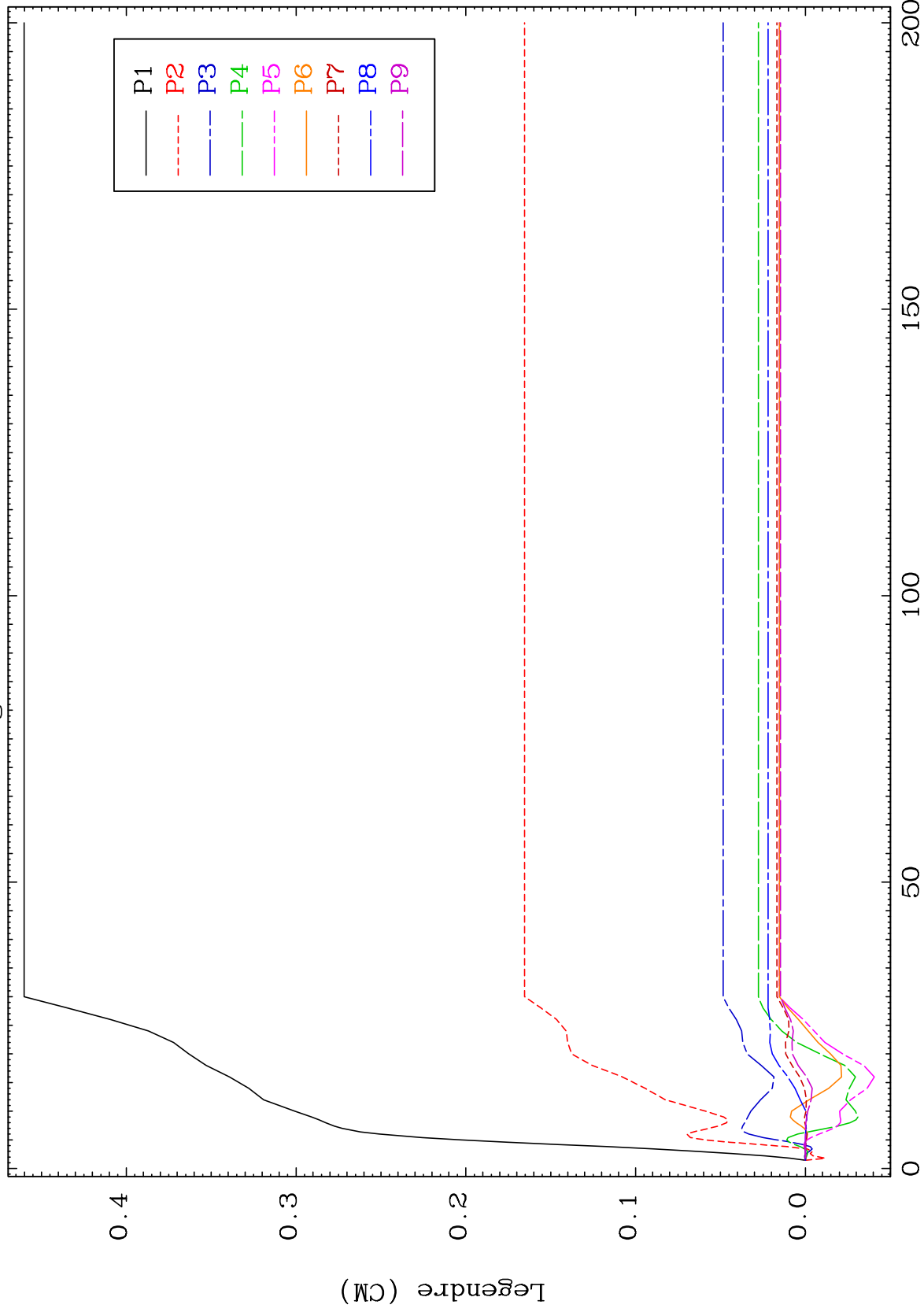
39-Y -83



MAT 3907

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

39-Y -83



104

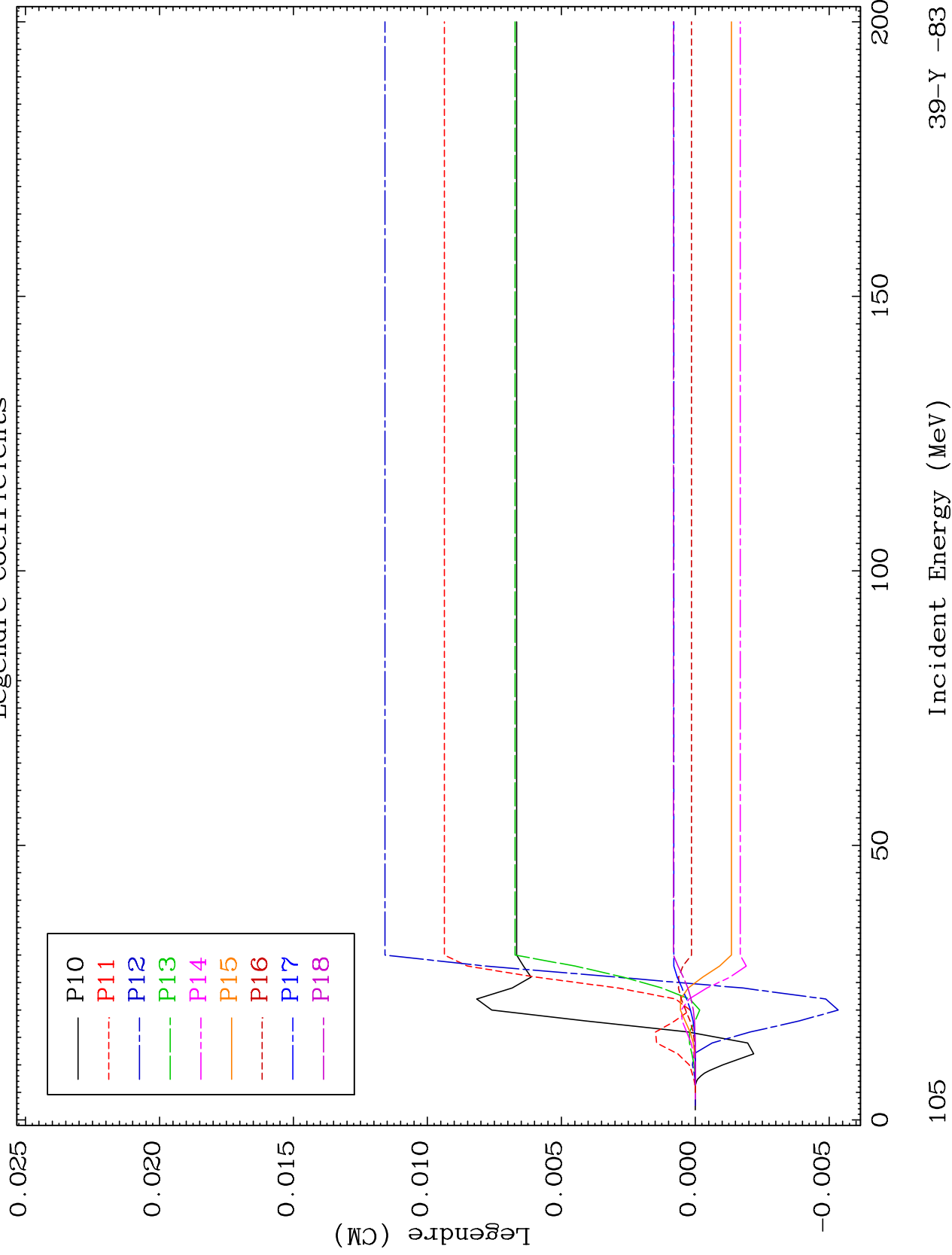
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



39-Y -83

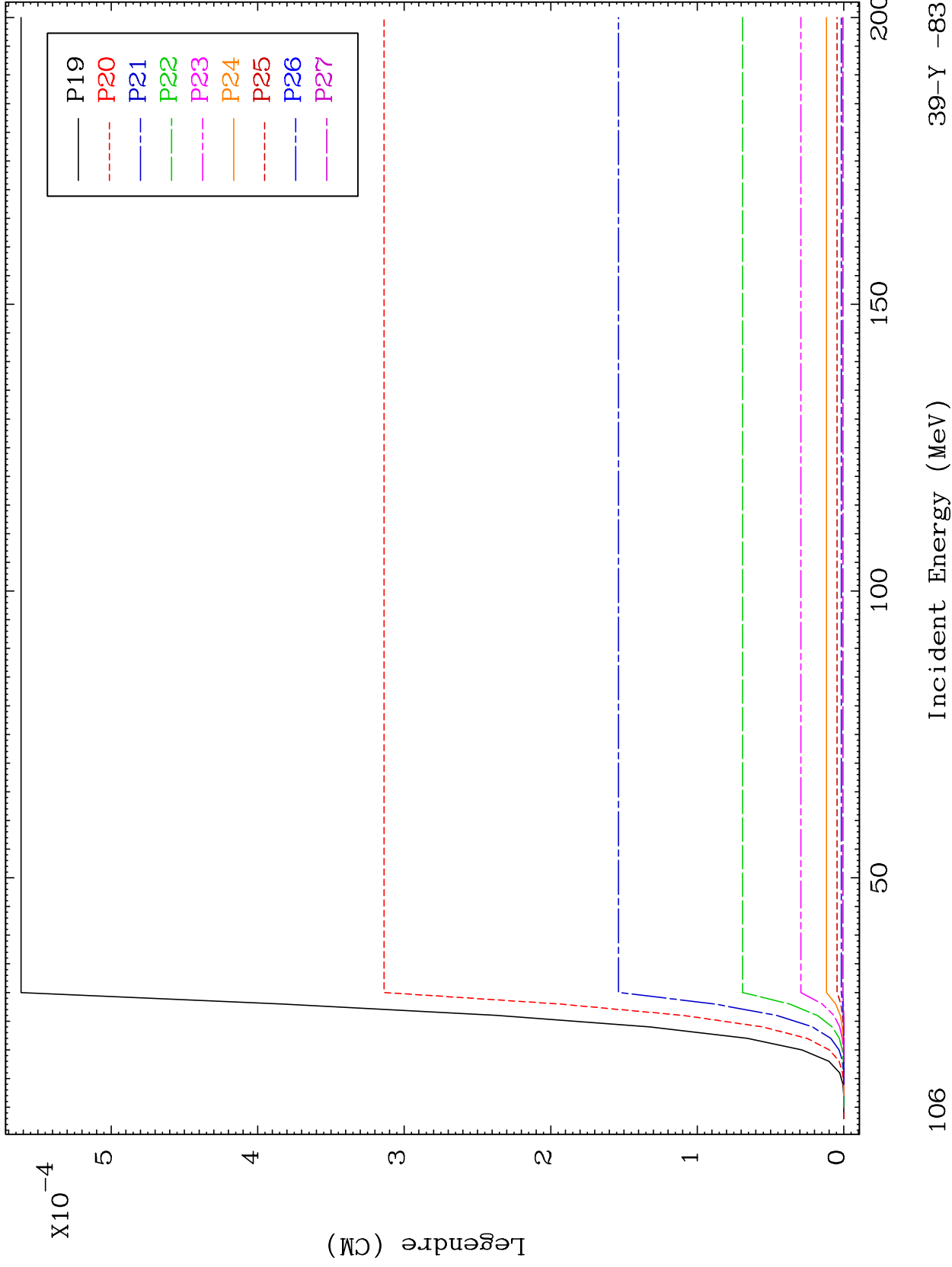
Incident Energy (MeV)

105

MAT 3907

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

39-Y -83



106

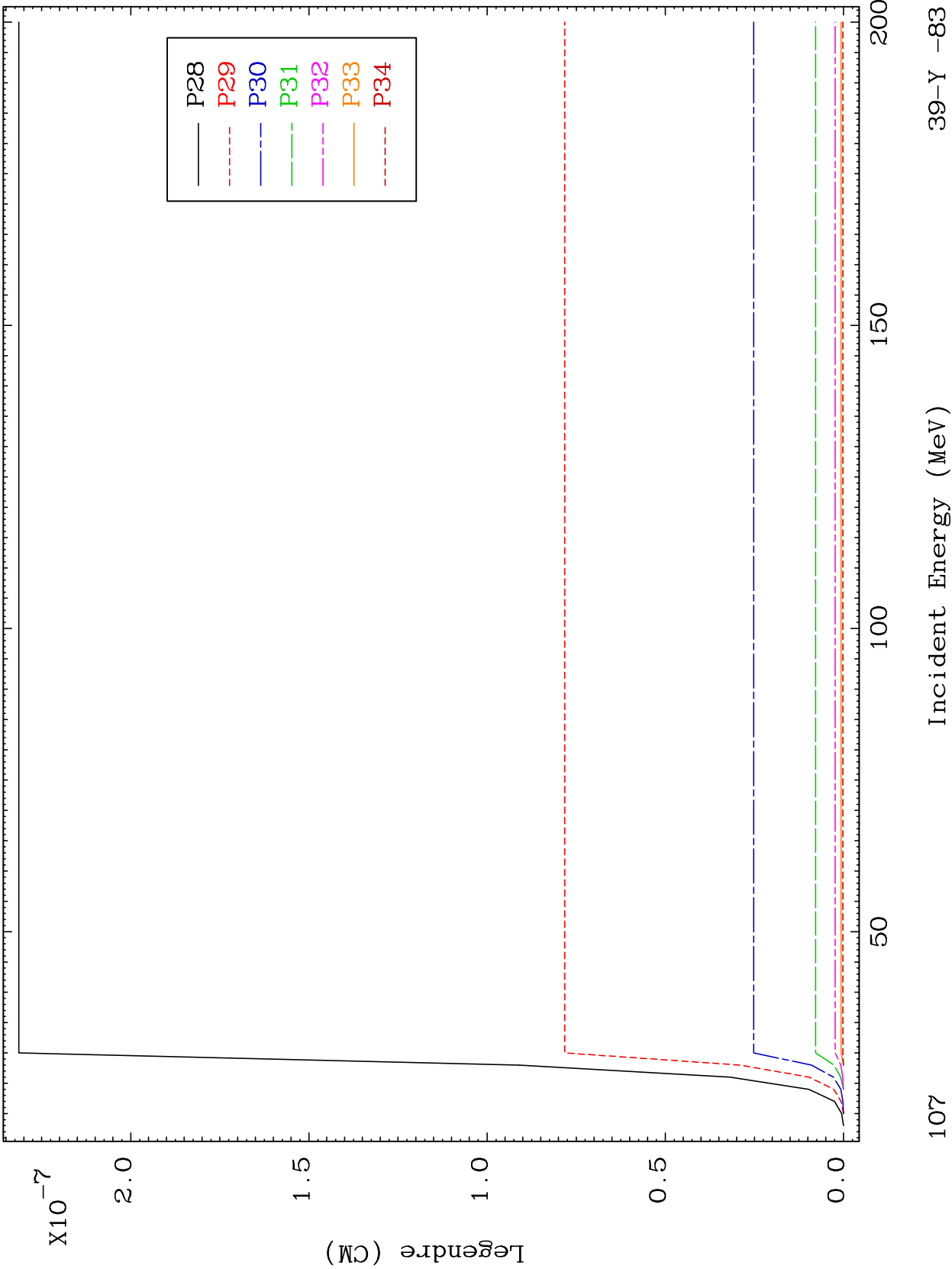
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



107

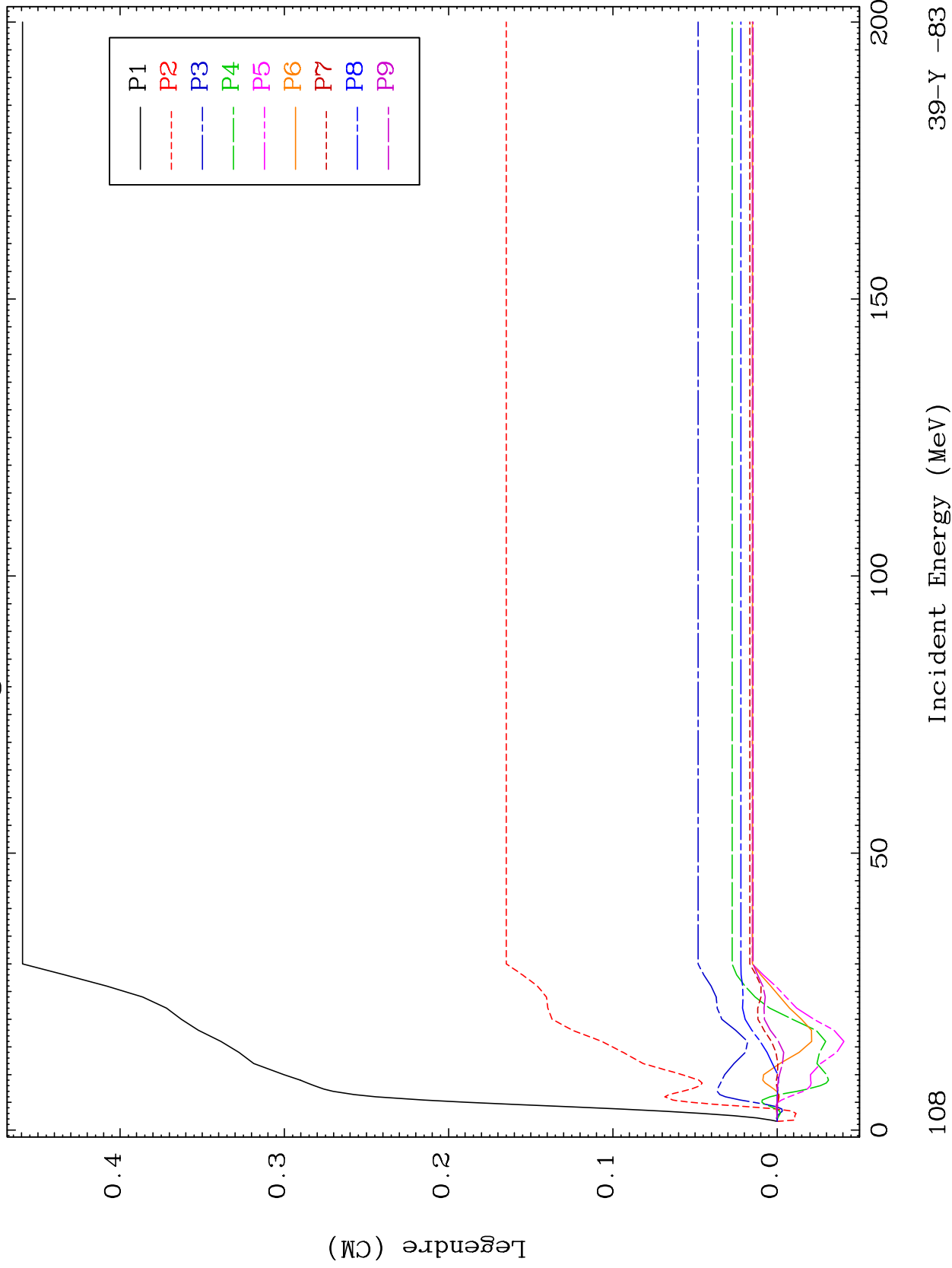
Incident Energy (MeV)

39-Y -83

MAT 3907

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

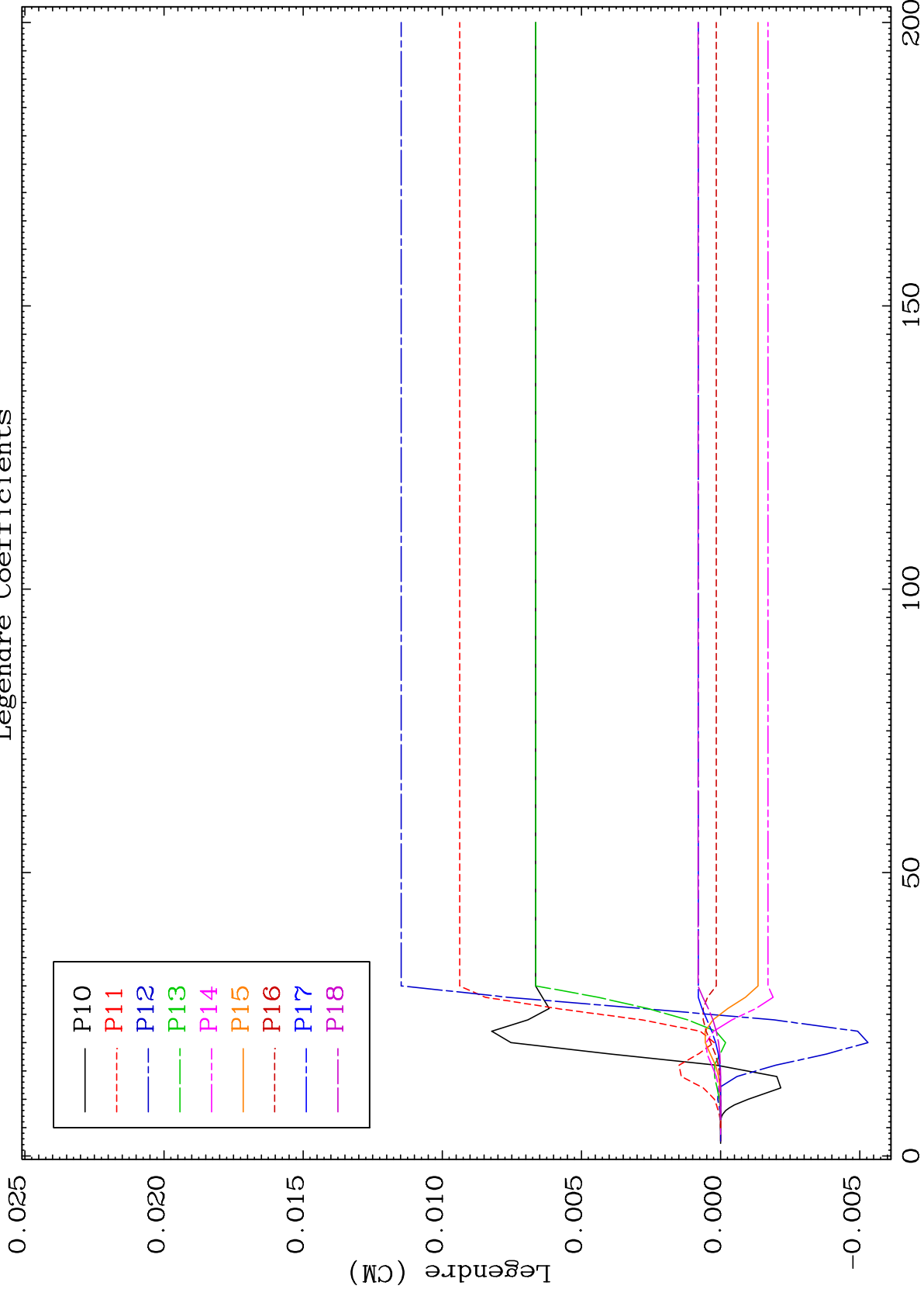
39-Y -83



39-Y -83

Incident Energy (MeV)

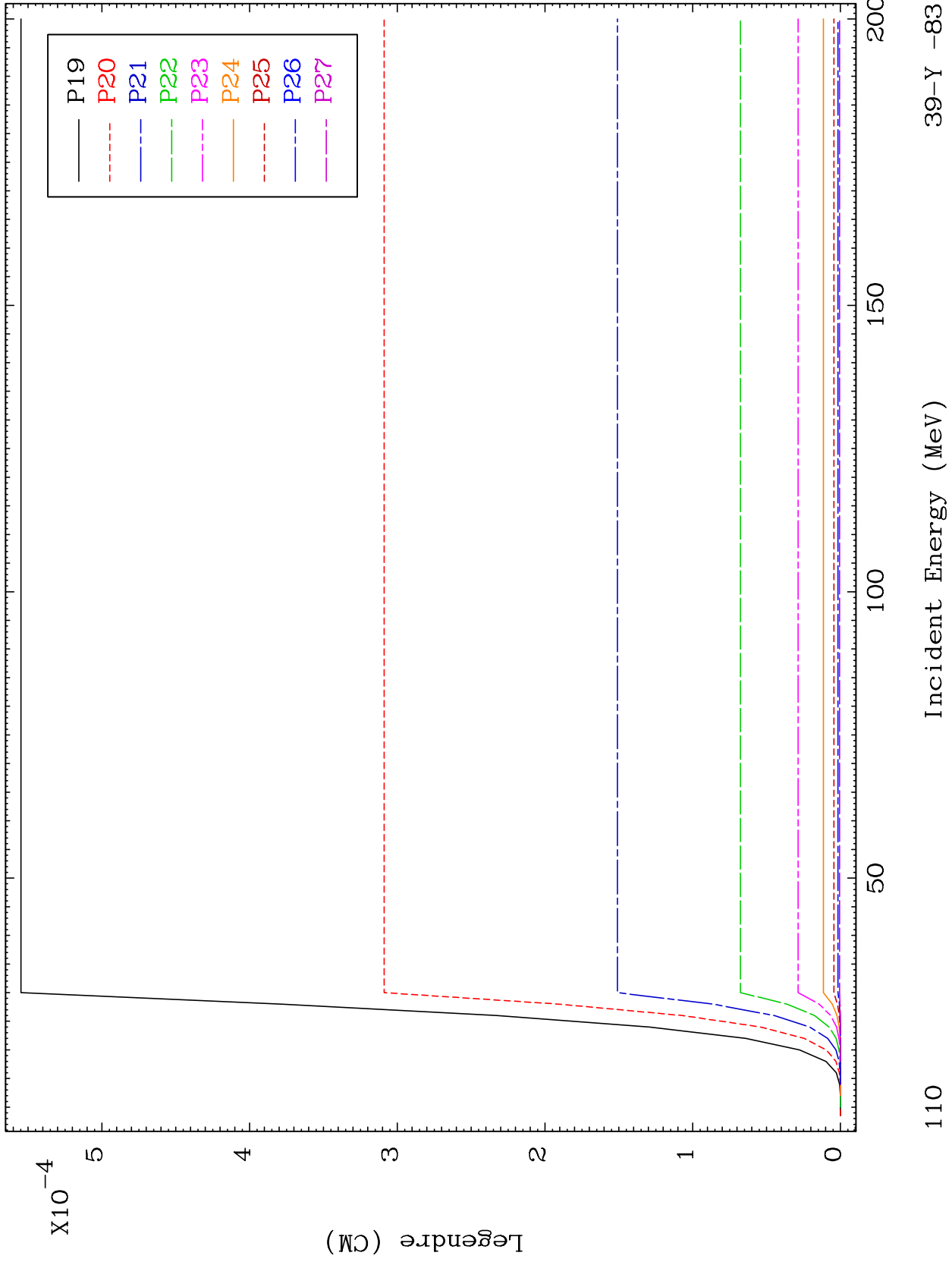
108



MAT 3907

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

39-Y -83



110

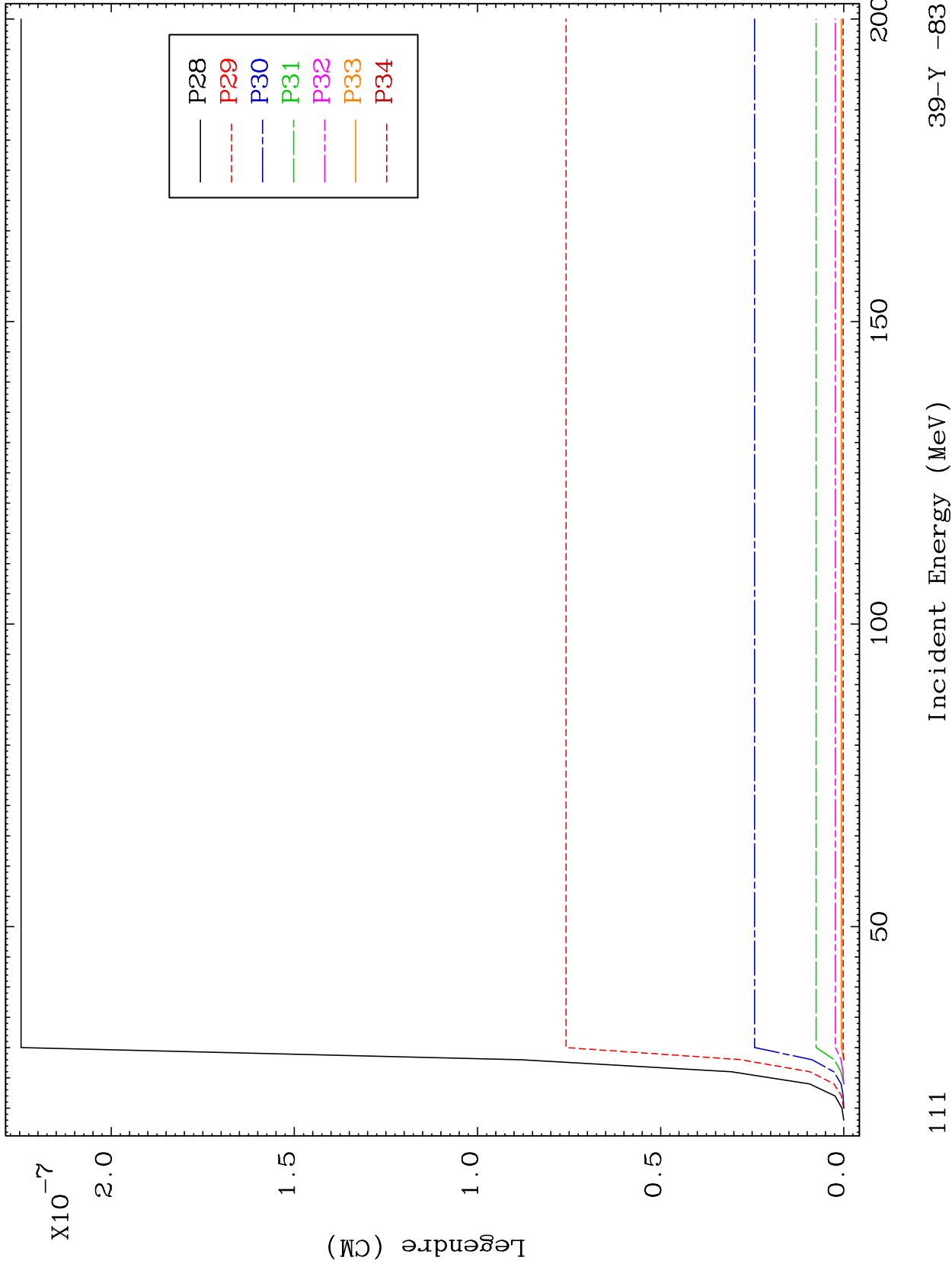
Incident Energy (MeV)

39-Y -83

MAT 3907

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

39-Y -83



111

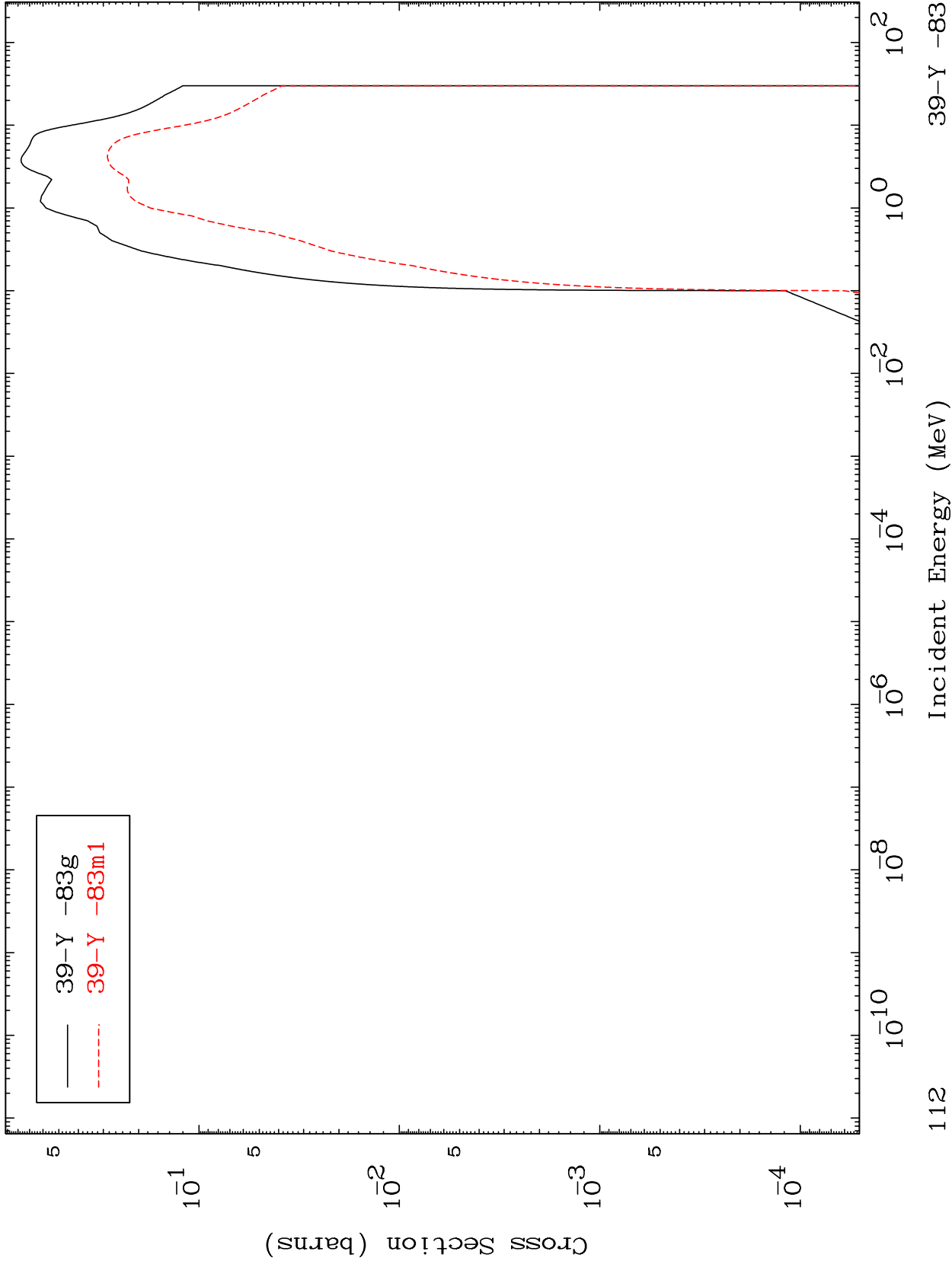
Incident Energy (MeV)

39-Y -83

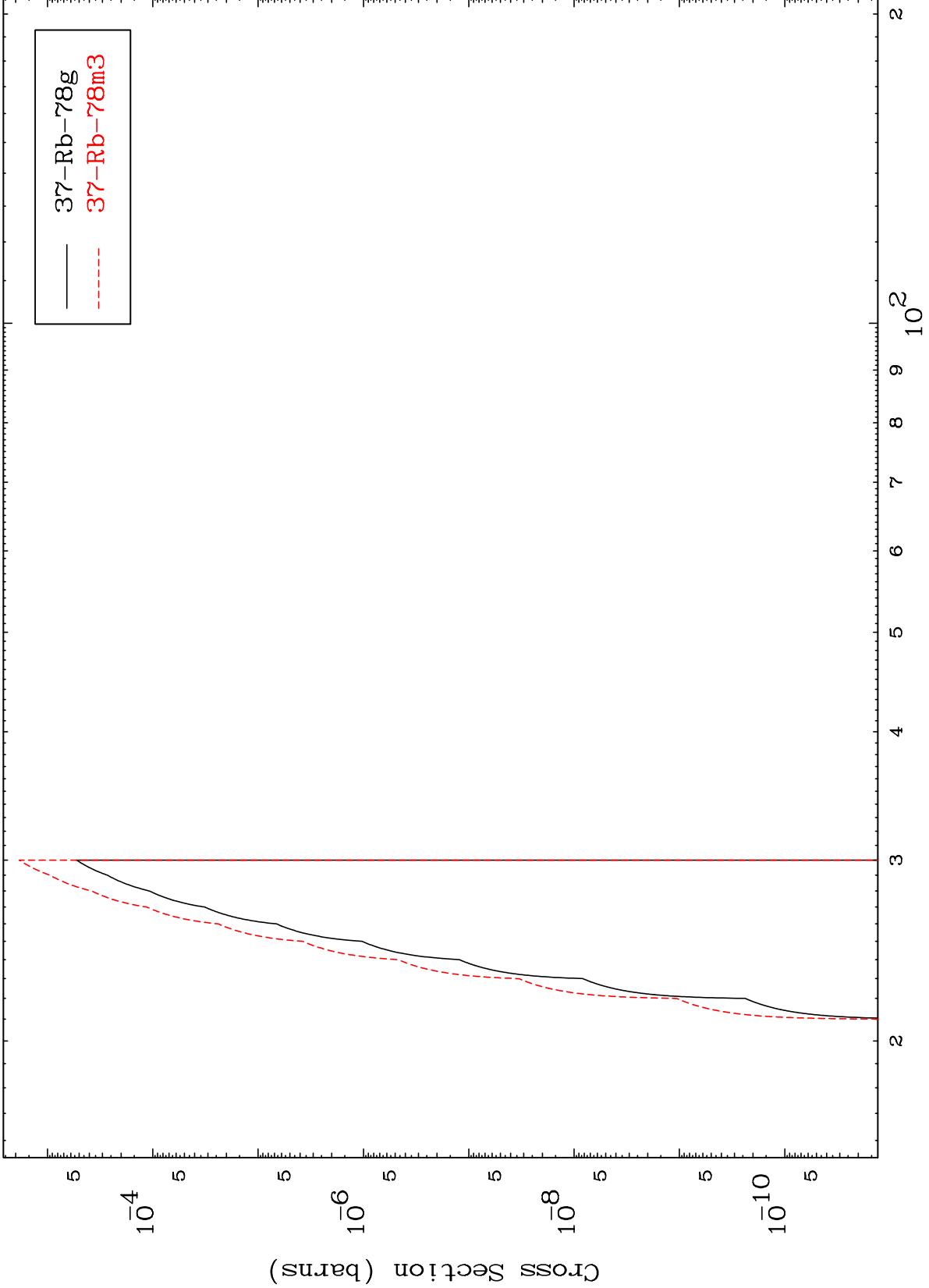
MAT 3907

Inelastic
Radionuclide Production Cross Section

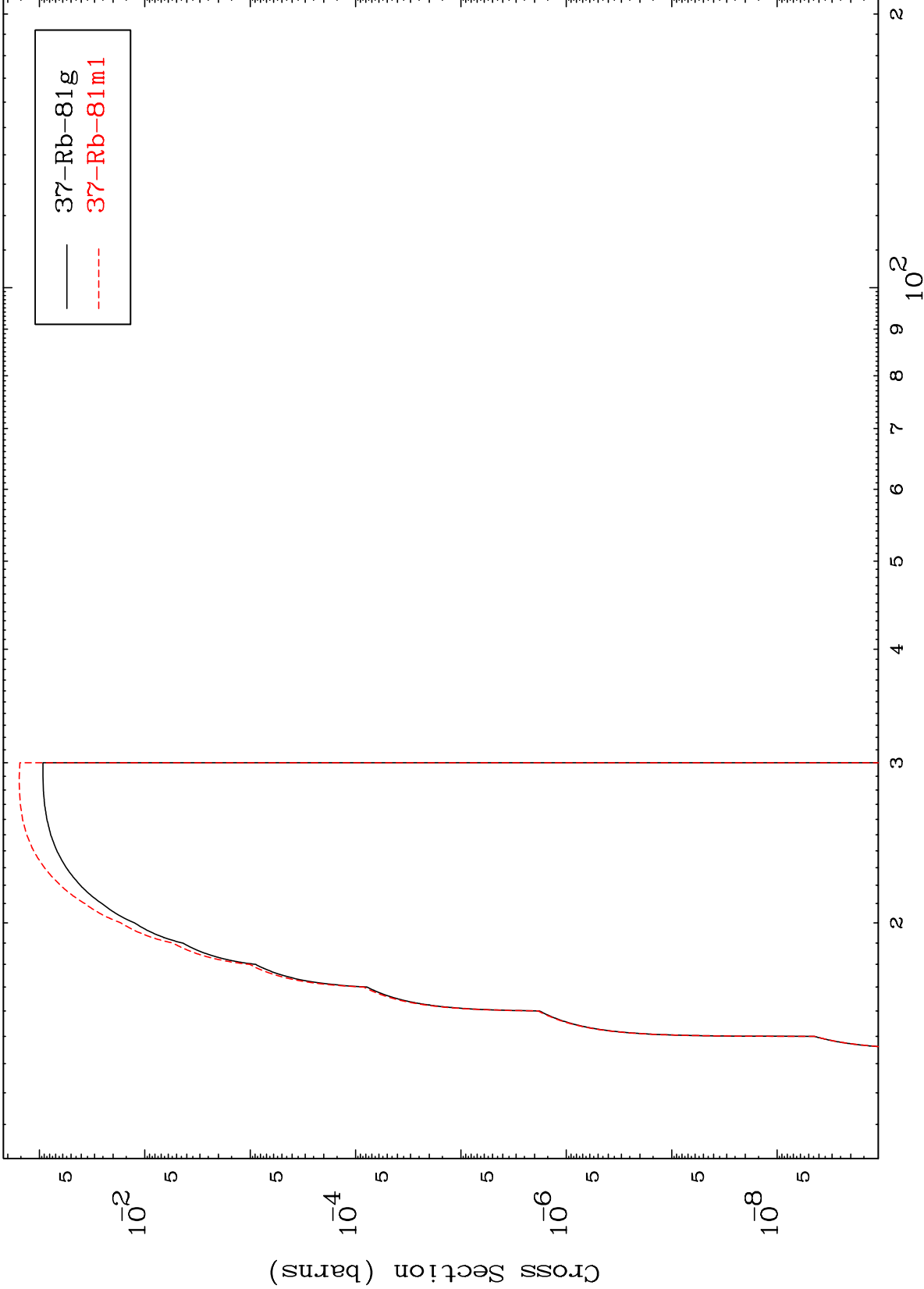
39-Y -83



Radionuclide Production Cross Section



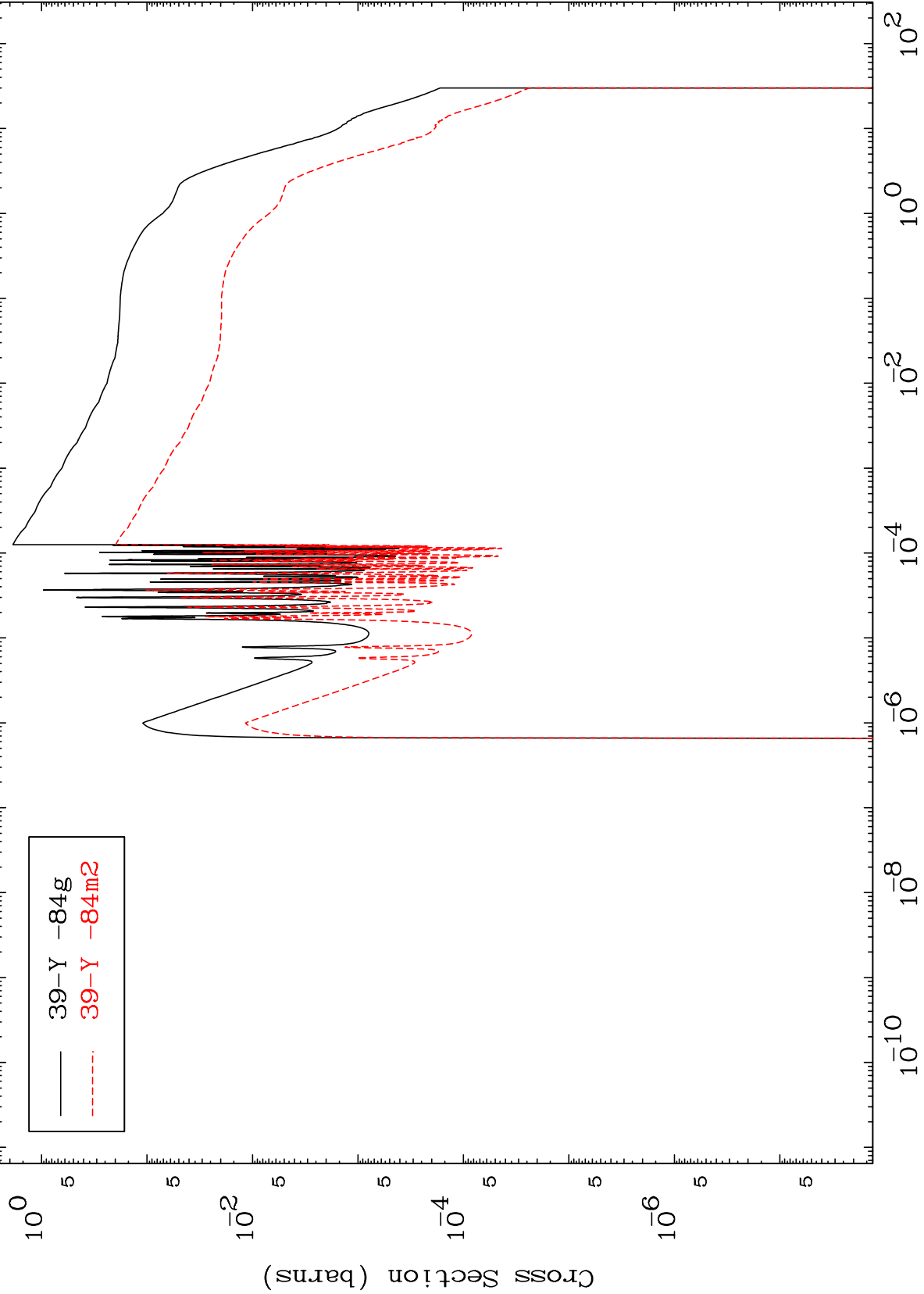
Radionuclide Production Cross Section



MAT 3907

39-Y -83

Radionuclide Production Cross Section



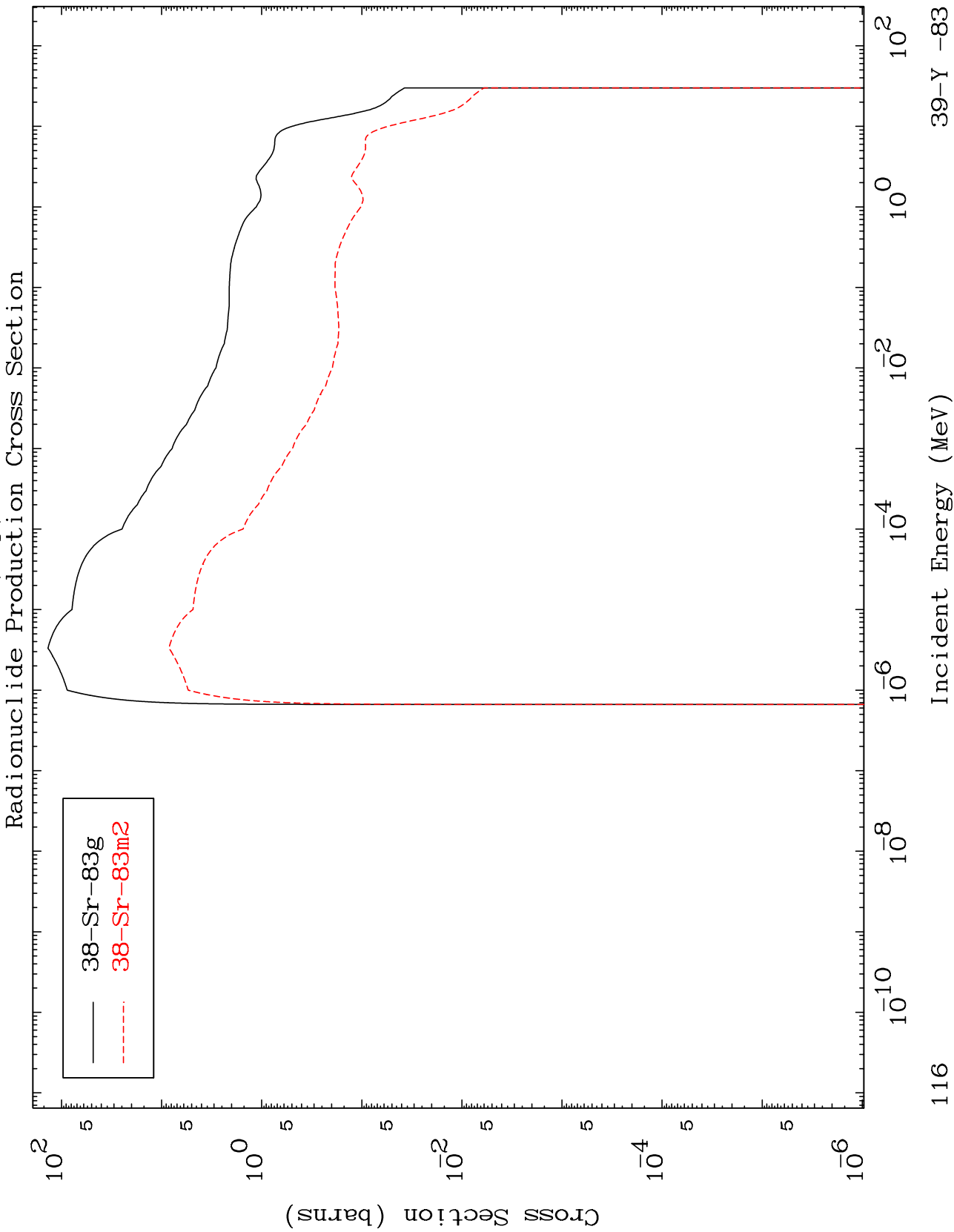
39-Y -83

Incident Energy (MeV)

115

MAT 3907

39-Y -83



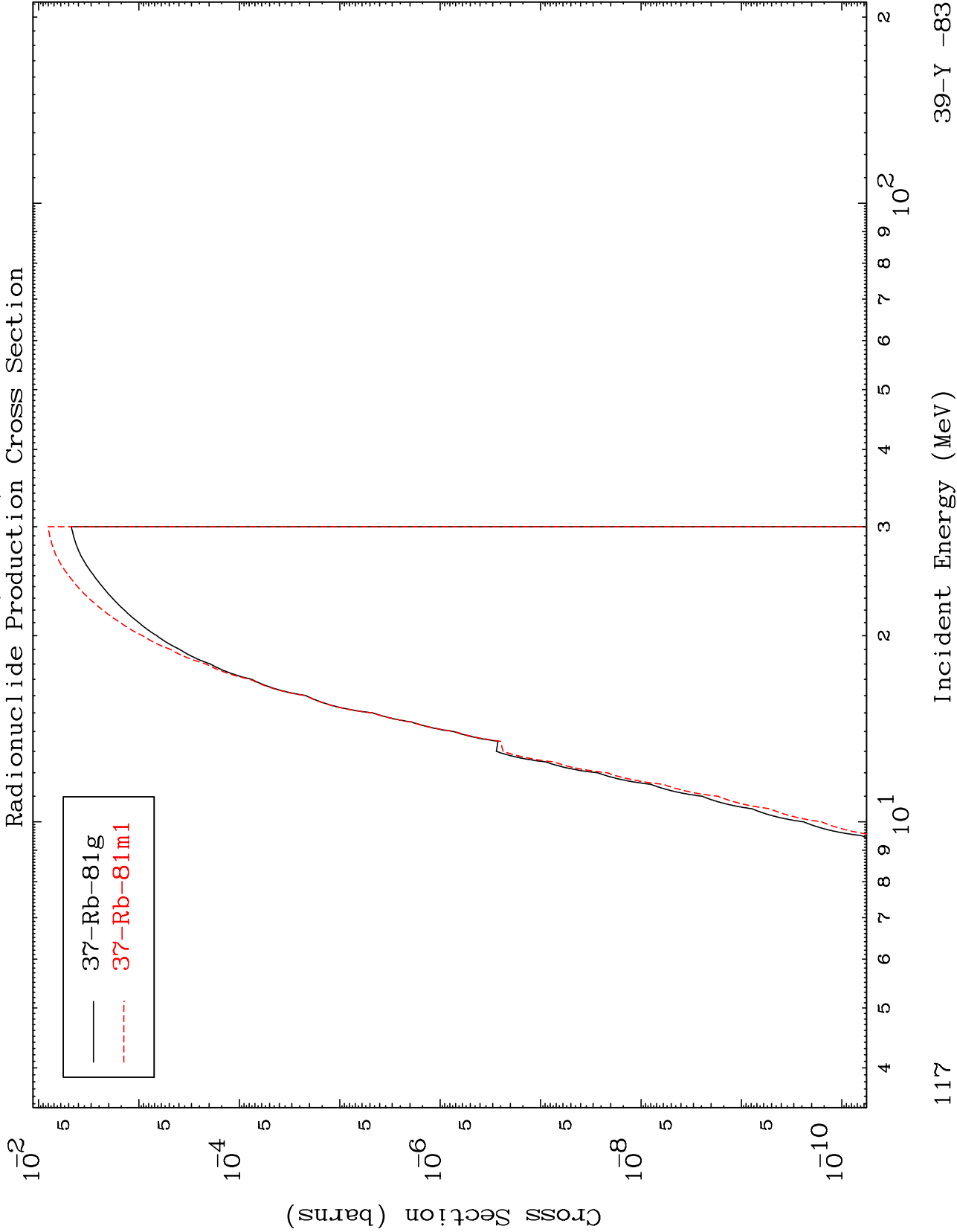
116

39-Y -83

MAT 3907

(n,He-3)

39-Y -83



117

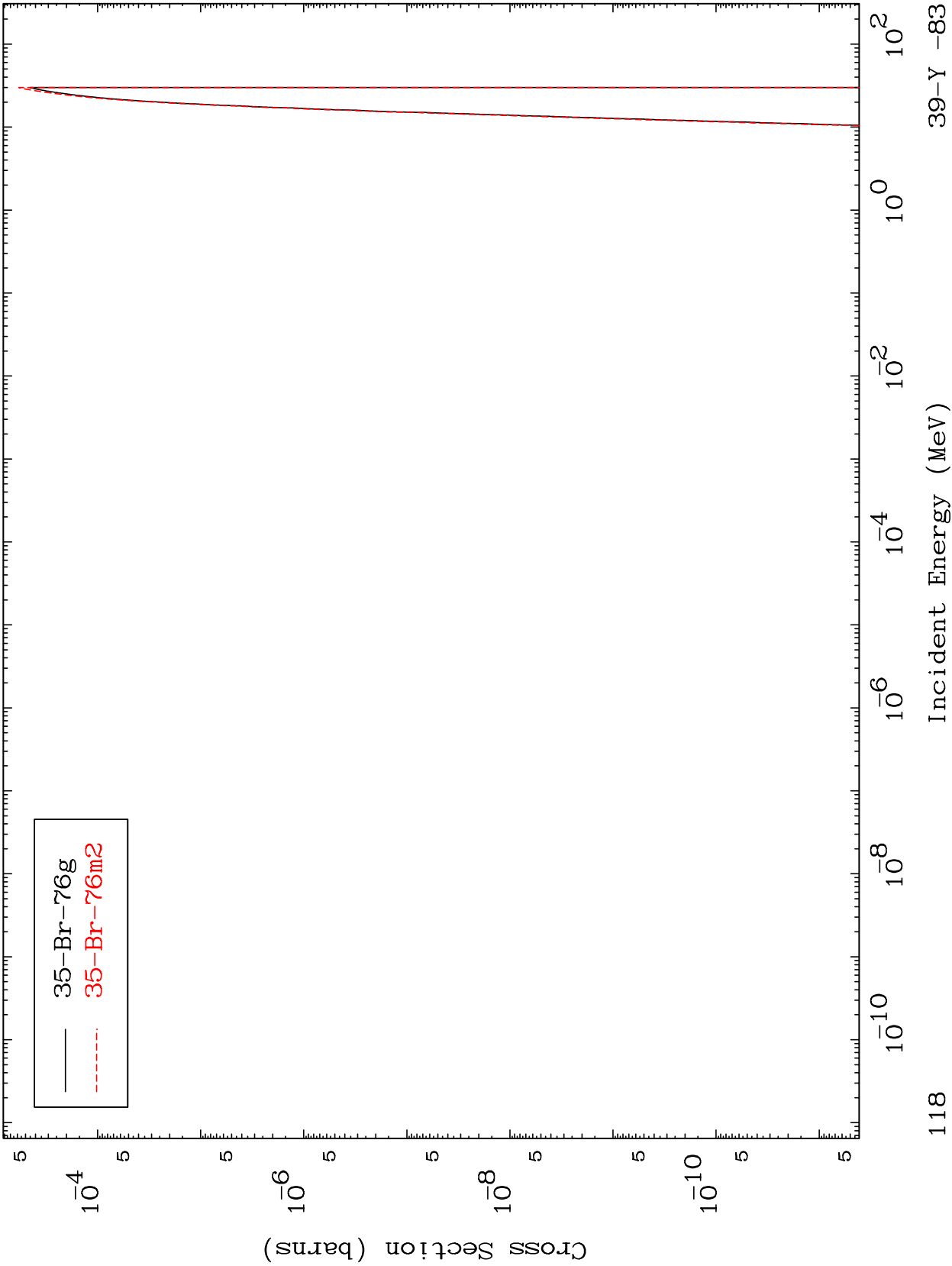
39-Y -83

MAT 3907

(n,2α)

39-Y -83

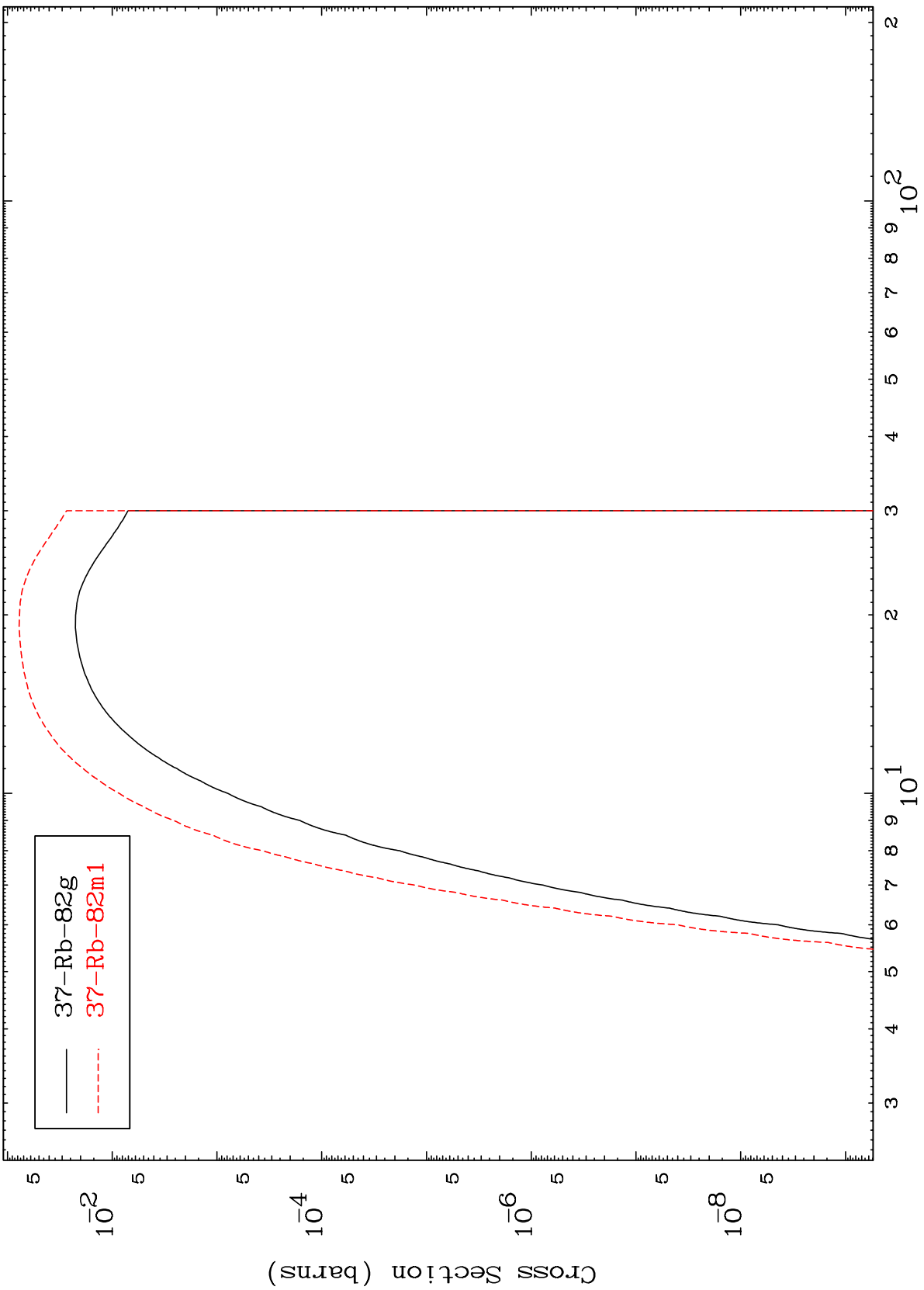
Radionuclide Production Cross Section



MAT 3907

39-Y -83

Radionuclide Production Cross Section (n,2p)



119

Incident Energy (MeV)

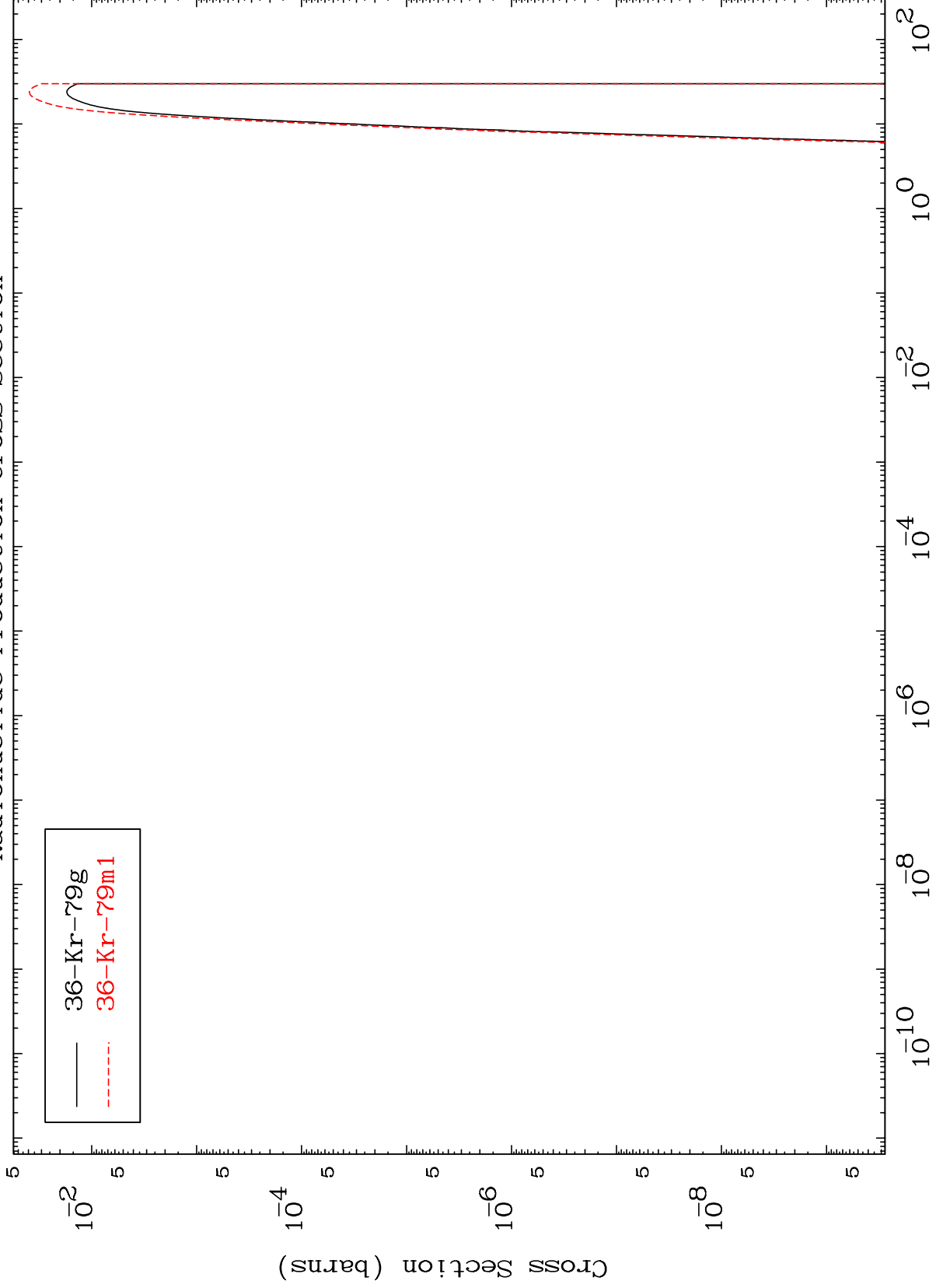
39-Y -83

MAT 3907

(n,p) α

39-Y -83

Radionuclide Production Cross Section



— 36-Kr-79g
- - - 36-Kr-79m1

120

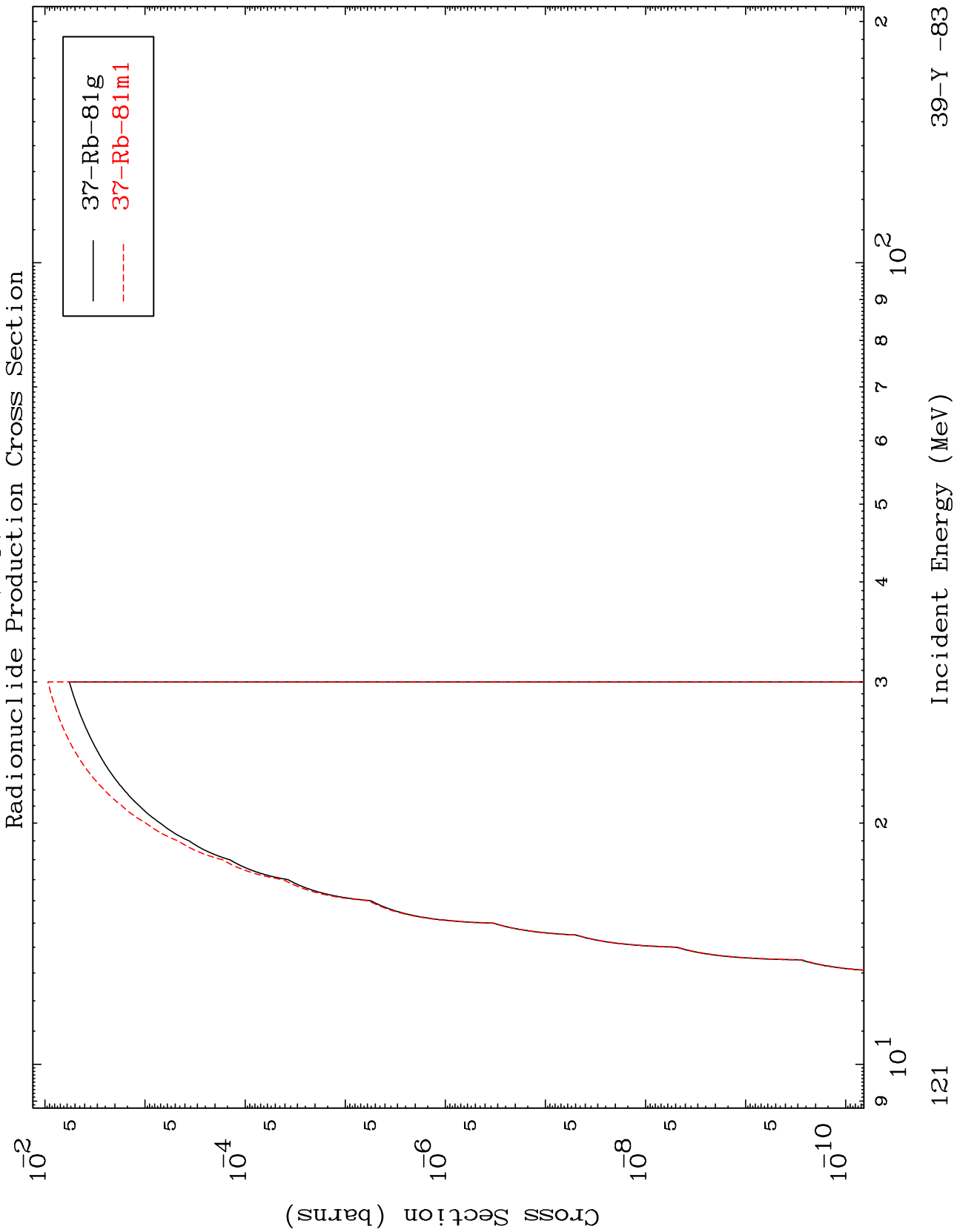
Incident Energy (MeV)

39-Y -83

MAT 3907

(n,p) d

39-Y -83



121

Incident Energy (MeV)

39-Y -83