

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

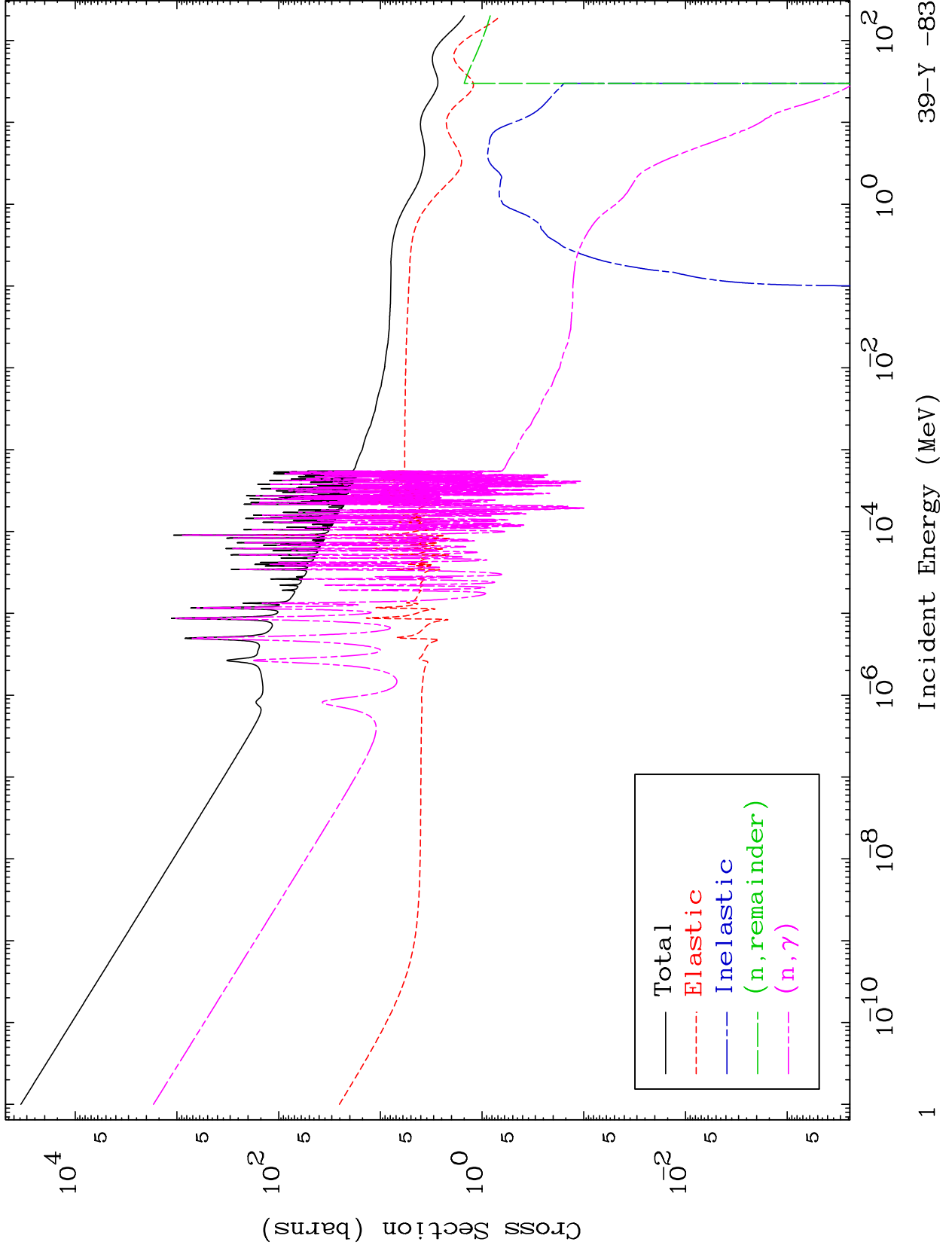
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

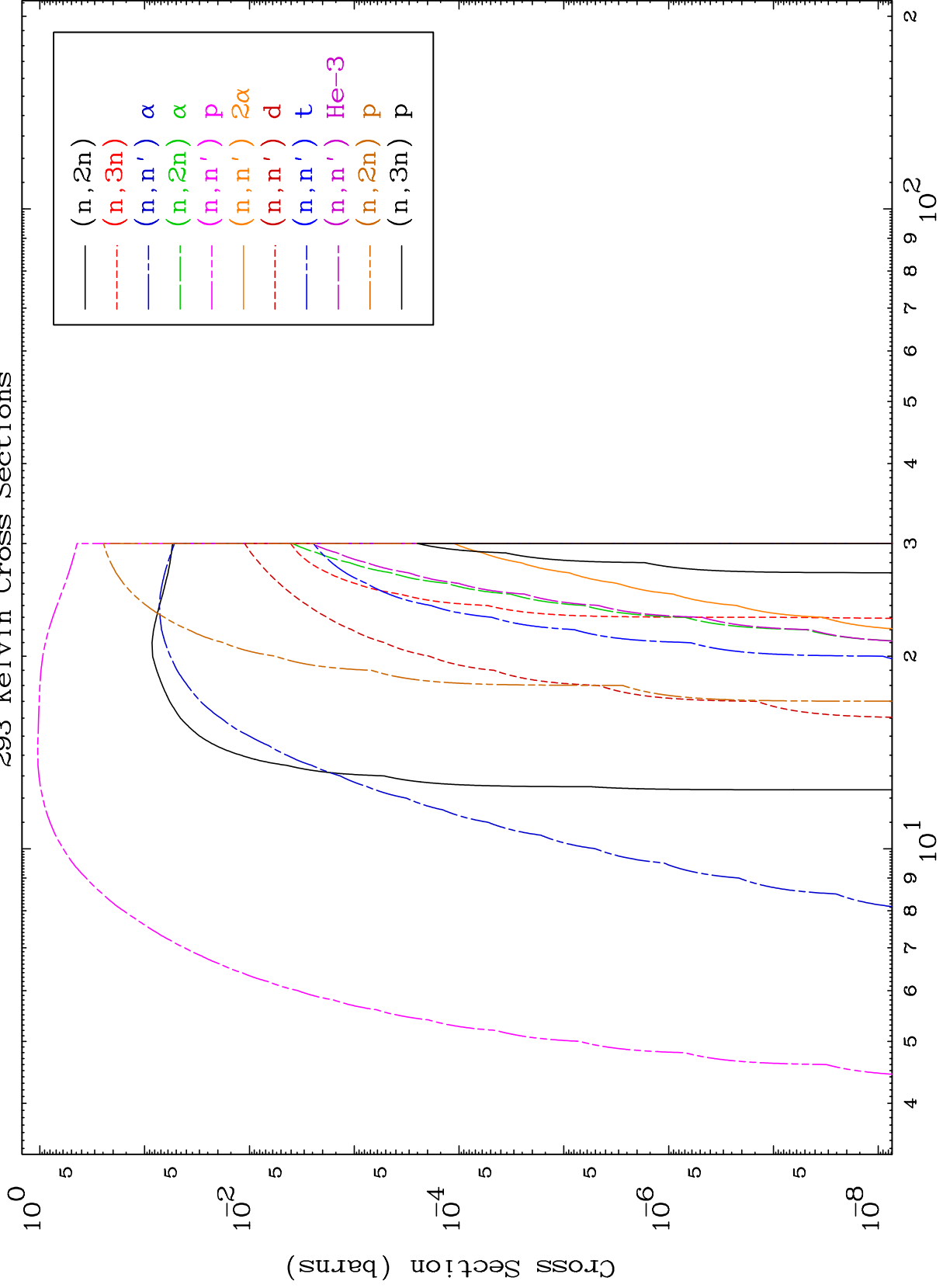
Press Mouse Button to Start

MAT 3907

Major
293 Kelvin Cross Sections

39-Y -83

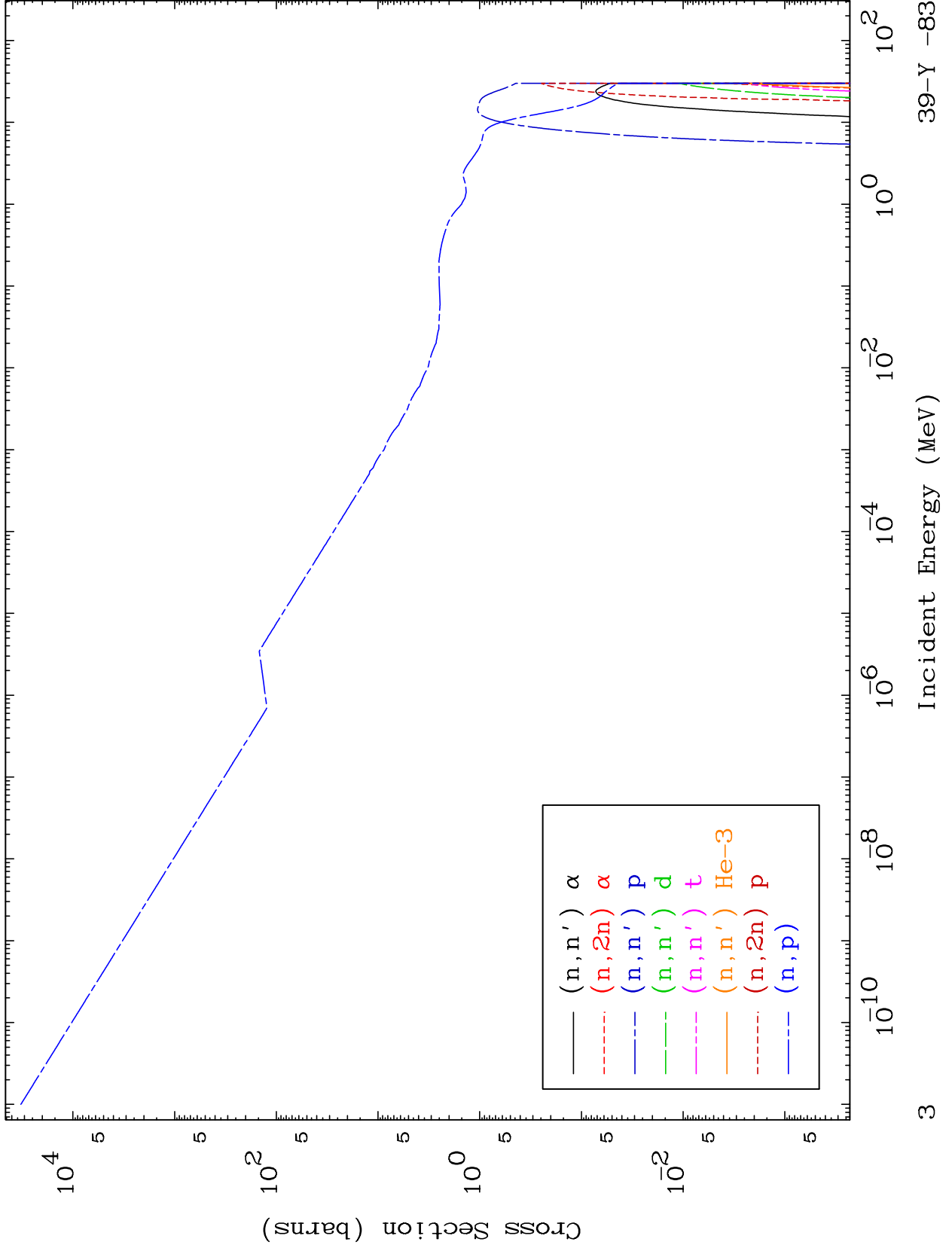




MAT 3907

Charged Particle
293 Kelvin Cross Sections

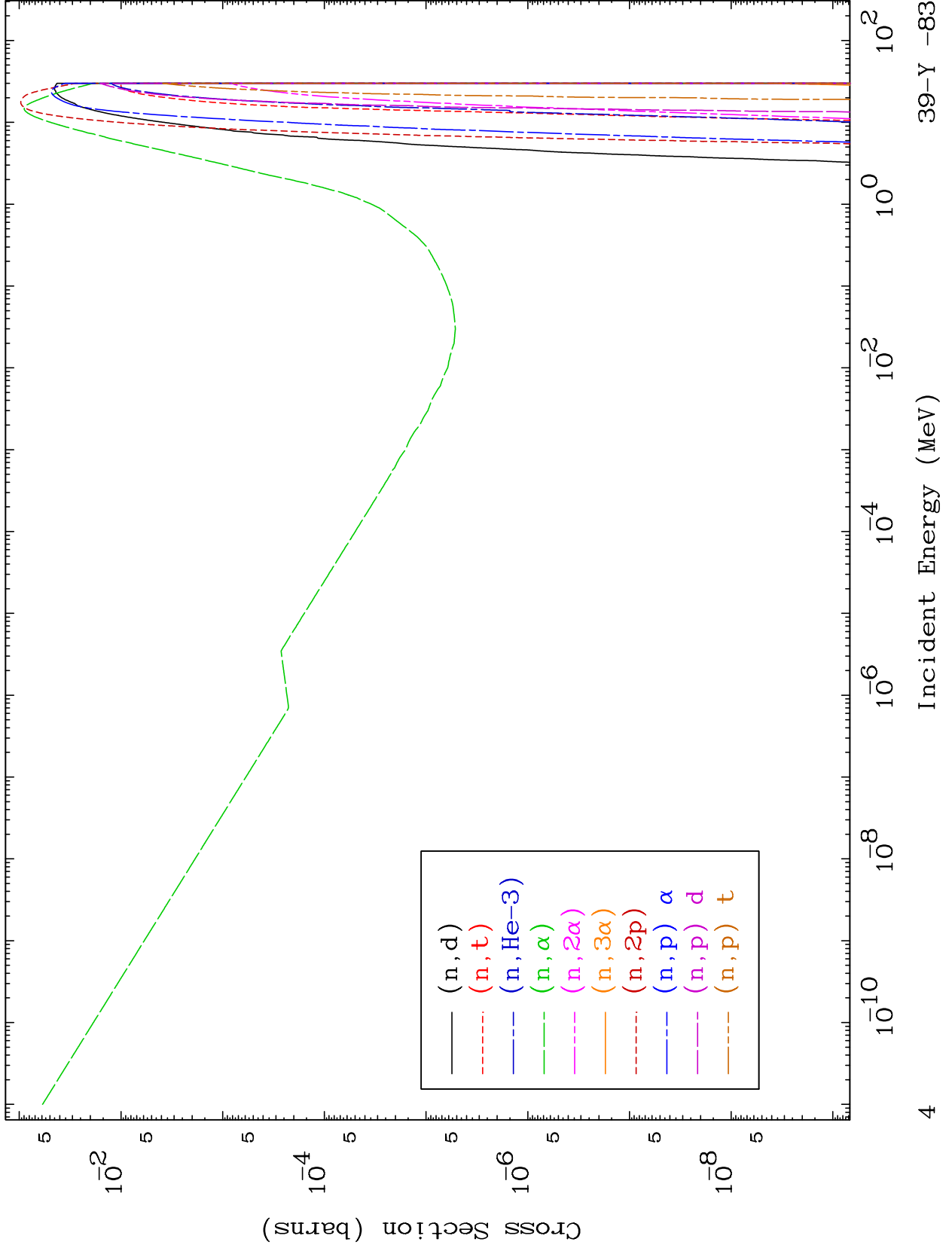
39-Y -83



MAT 3907

Charged Particle
293 Kelvin Cross Sections

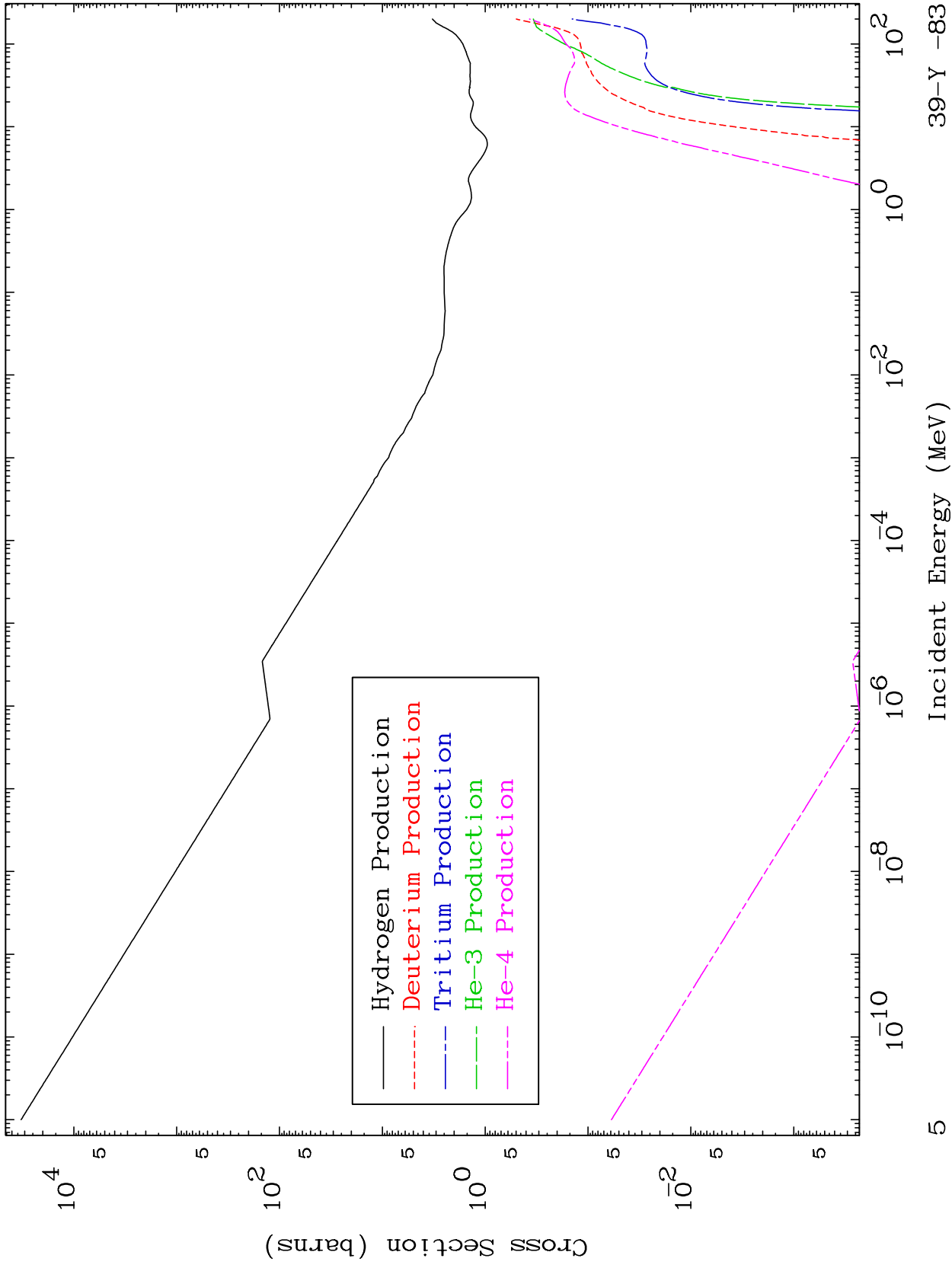
39-Y -83



MAT 3907

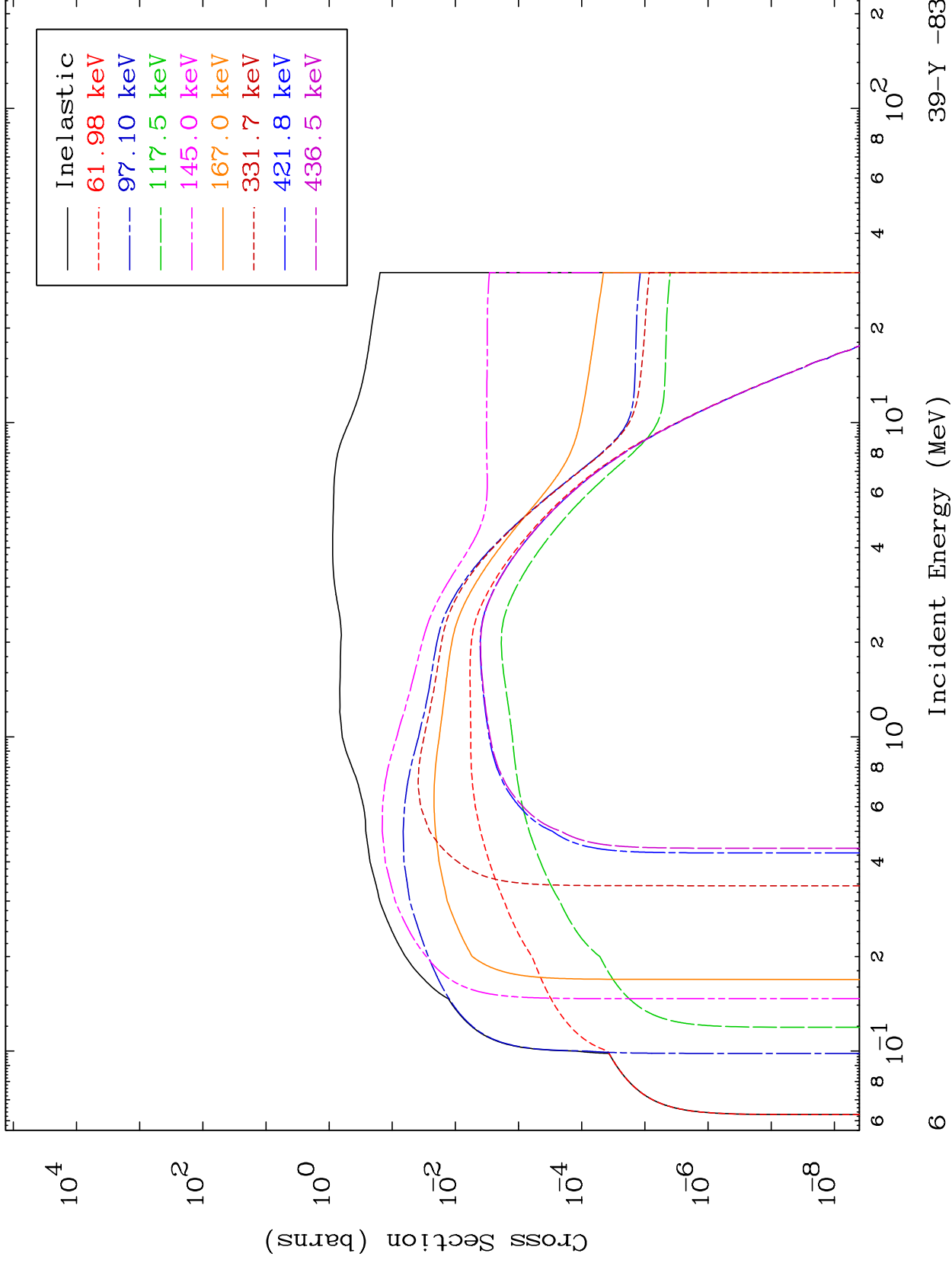
Particle Production
293 Kelvin Cross Sections

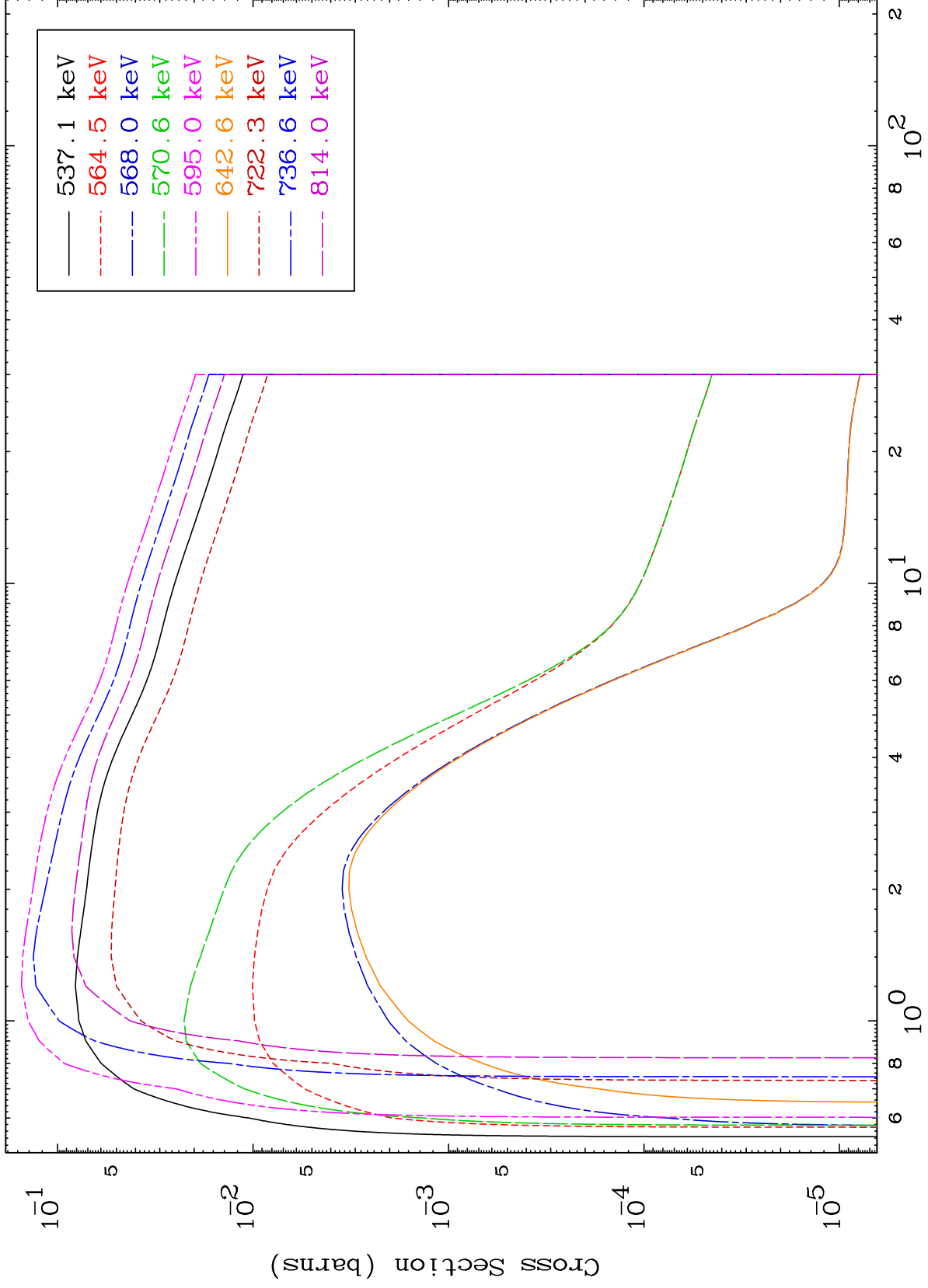
39-Y -83



5

39-Y -83



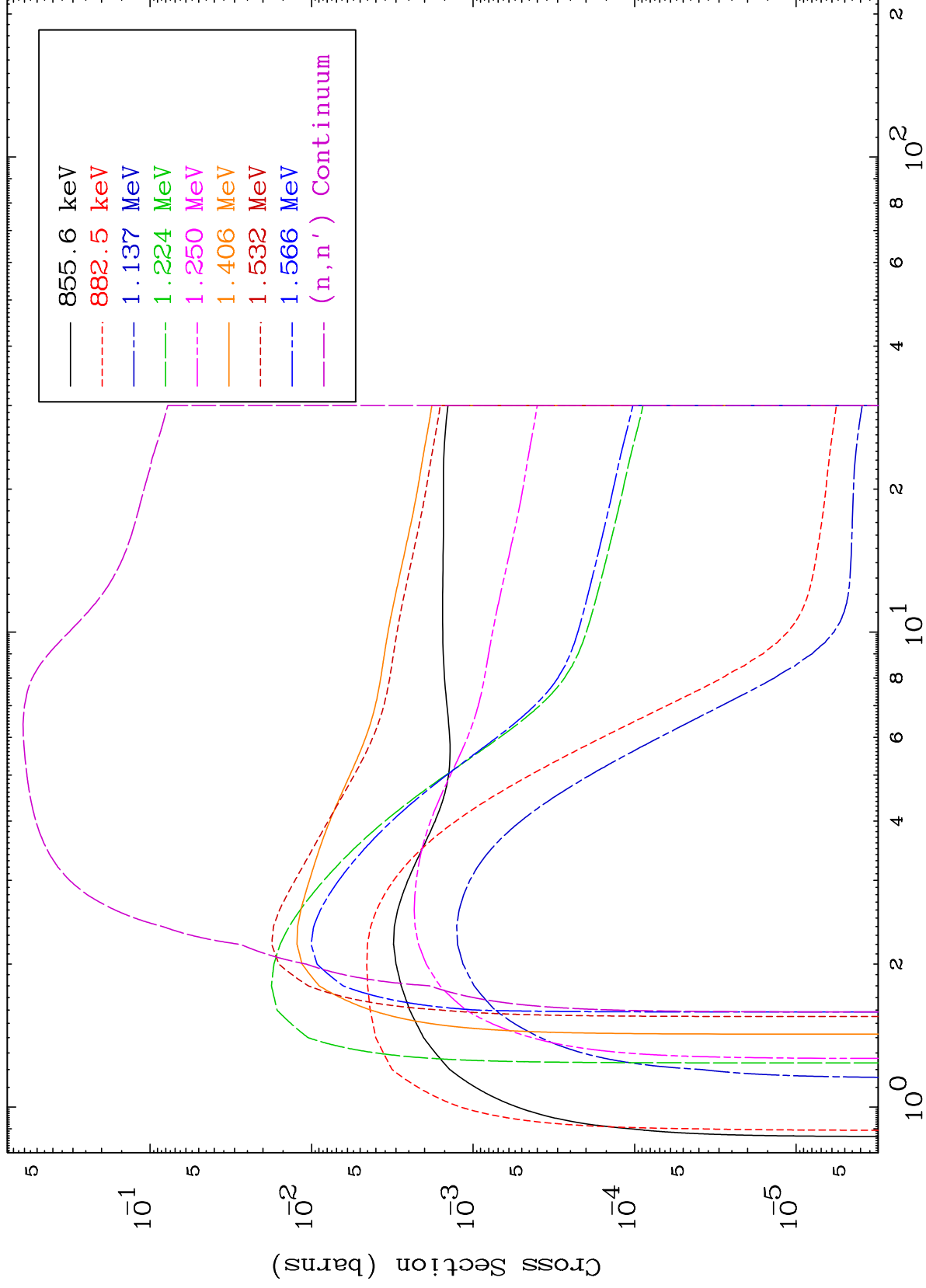


MAT 3907

(n,n') Level

293 Kelvin Cross Sections

39-Y -83



8

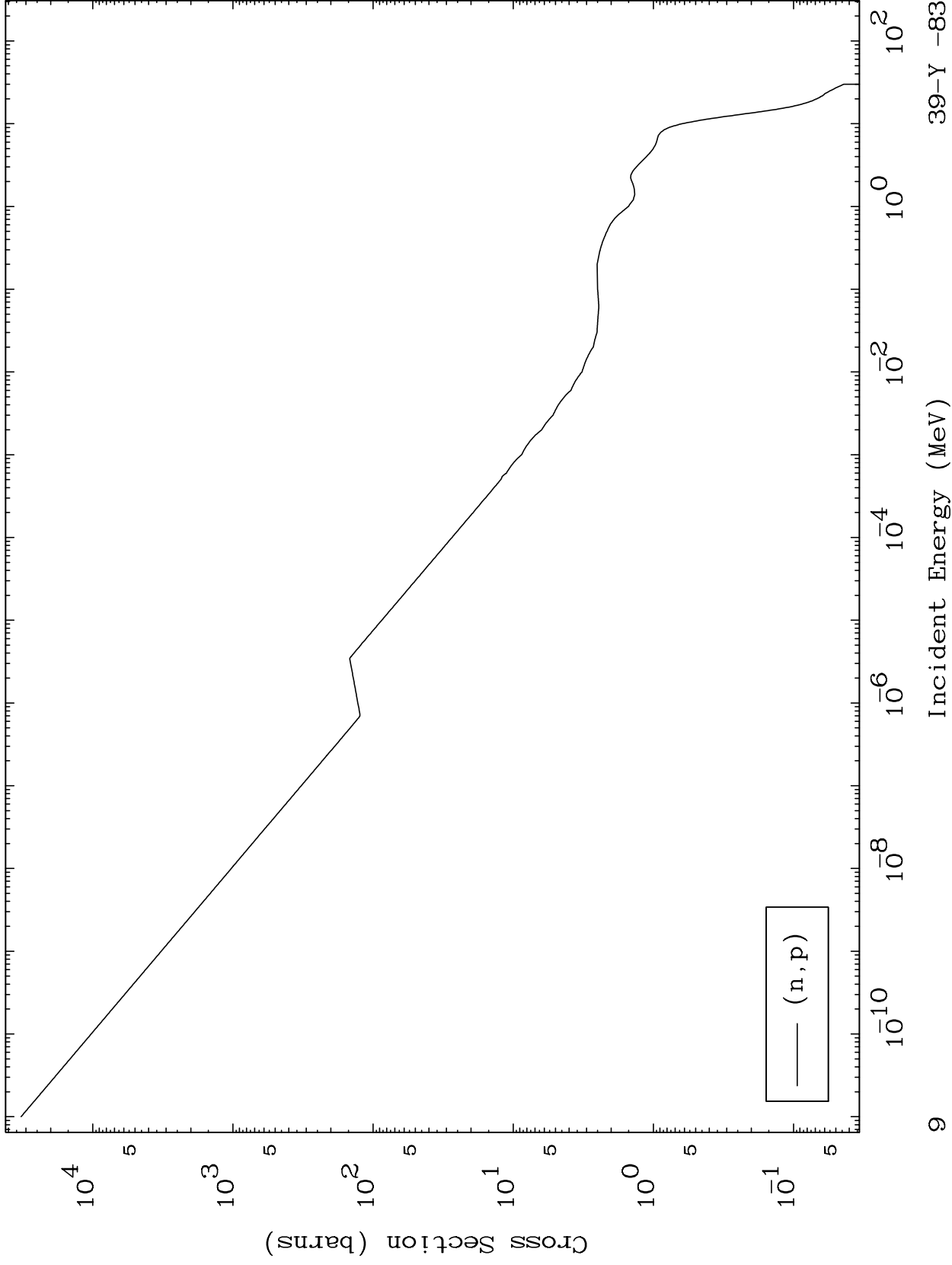
Incident Energy (MeV)

39-Y -83

MAT 3907

(n,p) Levels
293 Kelvin Cross Sections

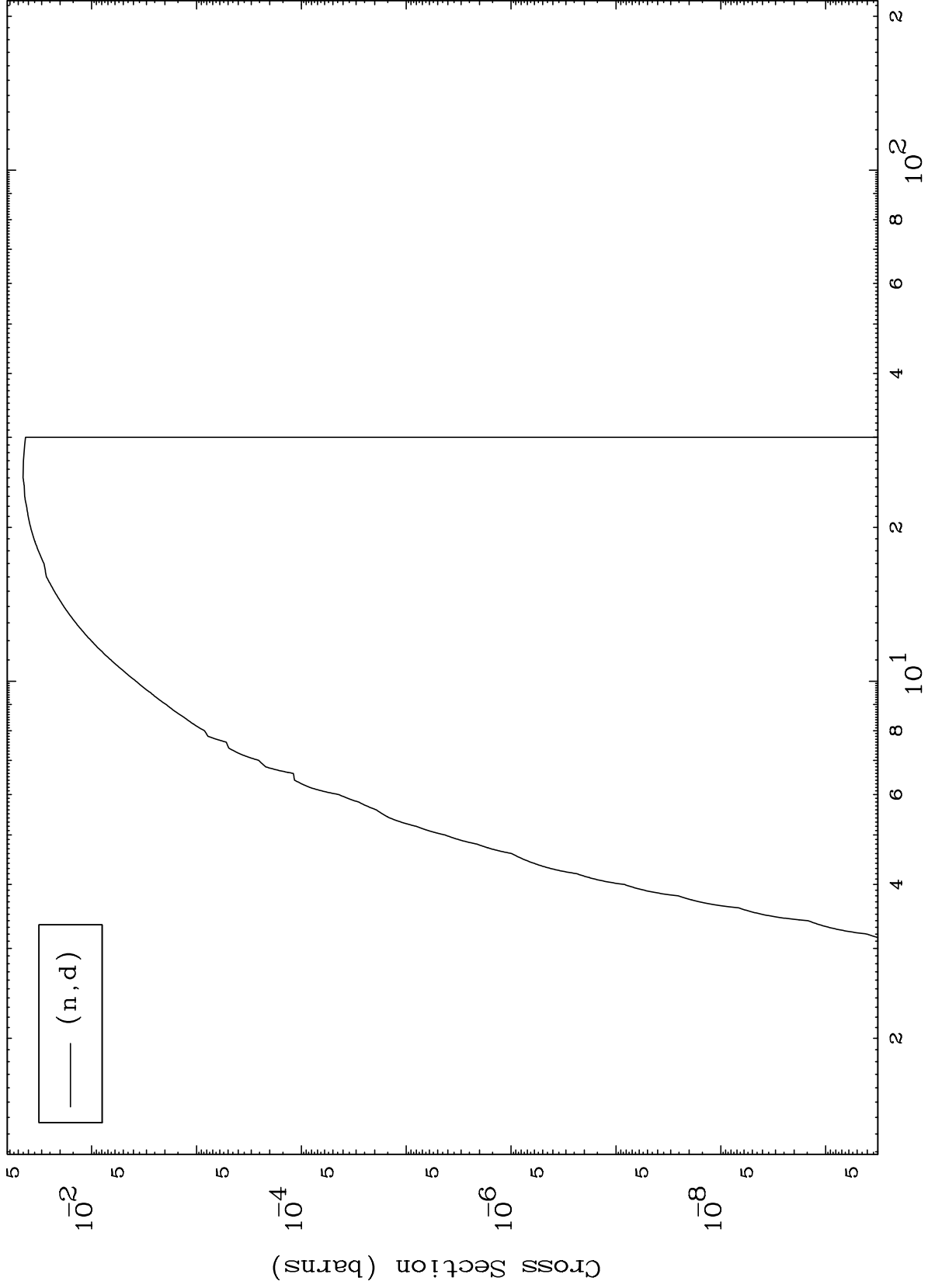
39-Y -83



MAT 3907

(n,d) Levels
293 Kelvin Cross Sections

39-Y -83



10

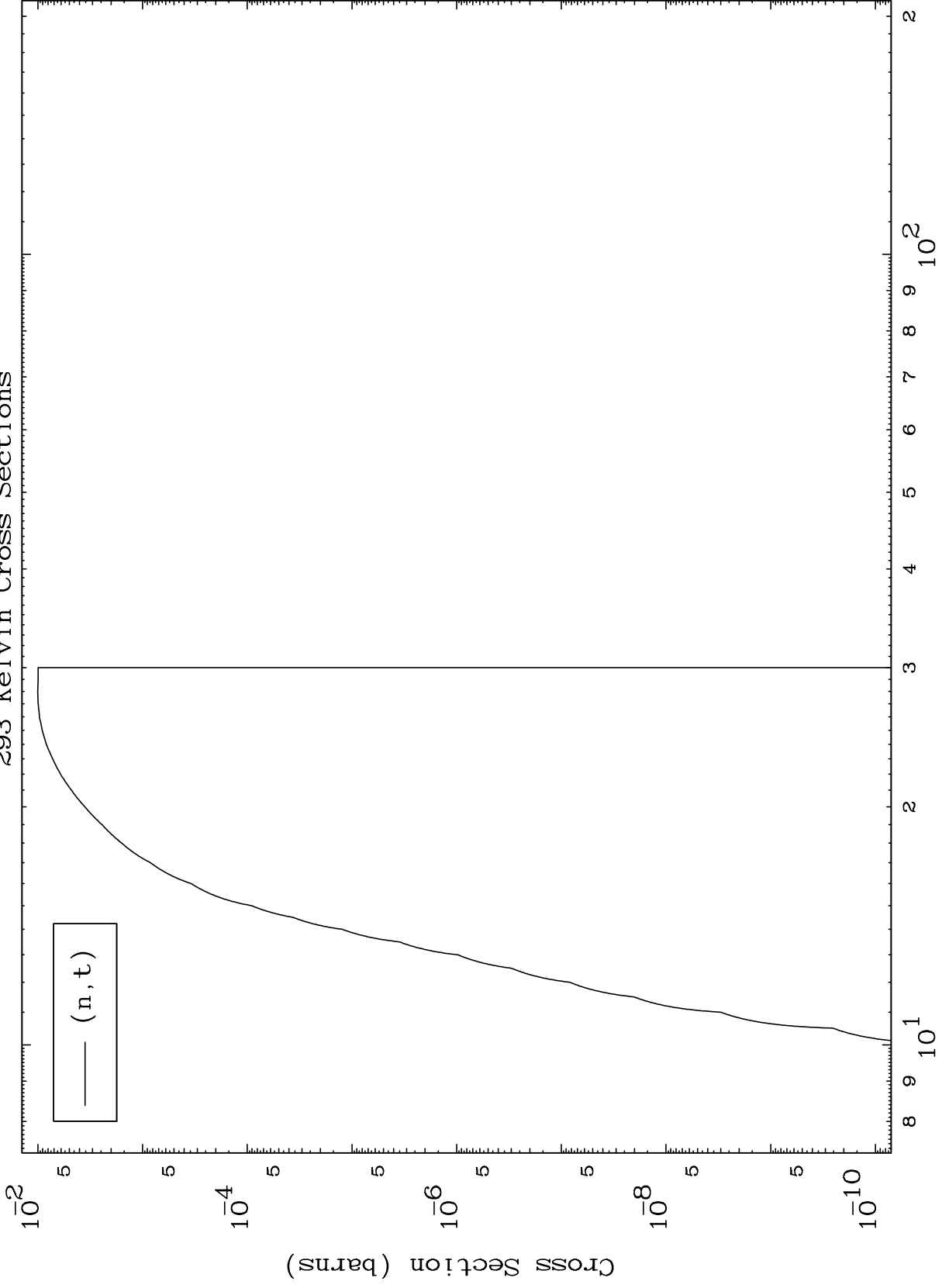
Incident Energy (MeV)

39-Y -83

MAT 3907

(n,t) Levels
293 Kelvin Cross Sections

39-Y -83



11

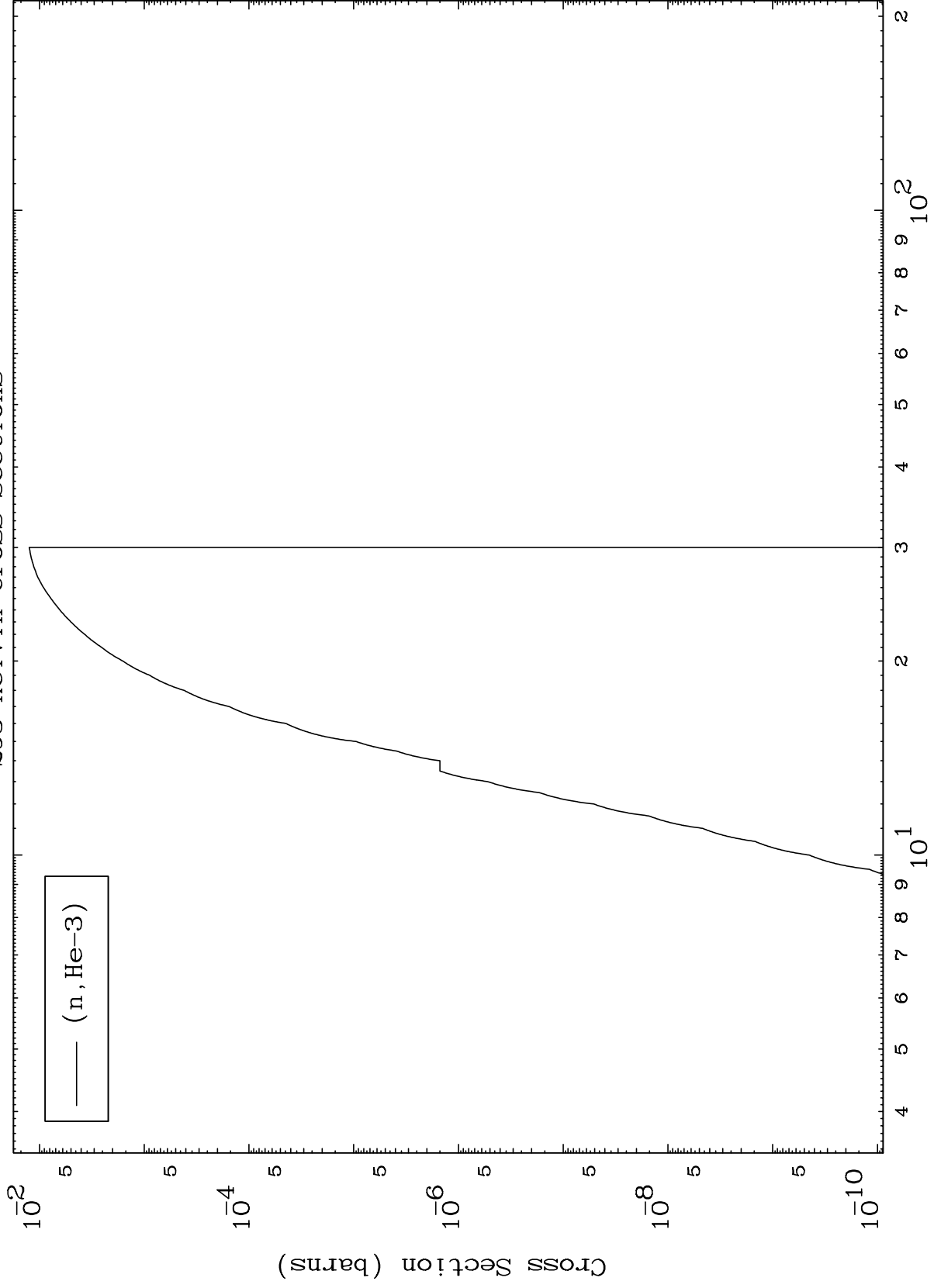
Incident Energy (MeV)

39-Y -83

MAT 3907

(n,He3) Levels
293 Kelvin Cross Sections

39-Y -83



12

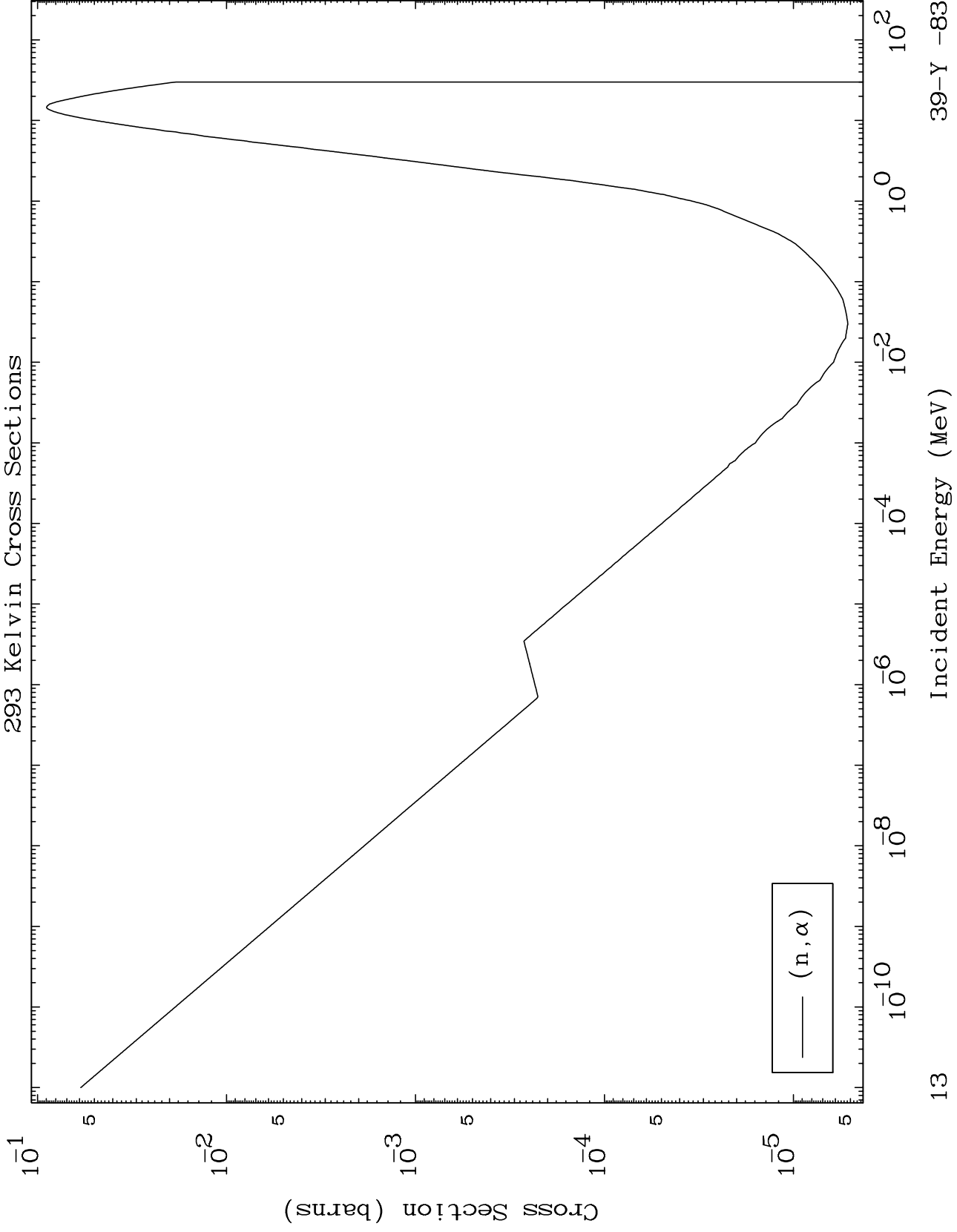
Incident Energy (MeV)

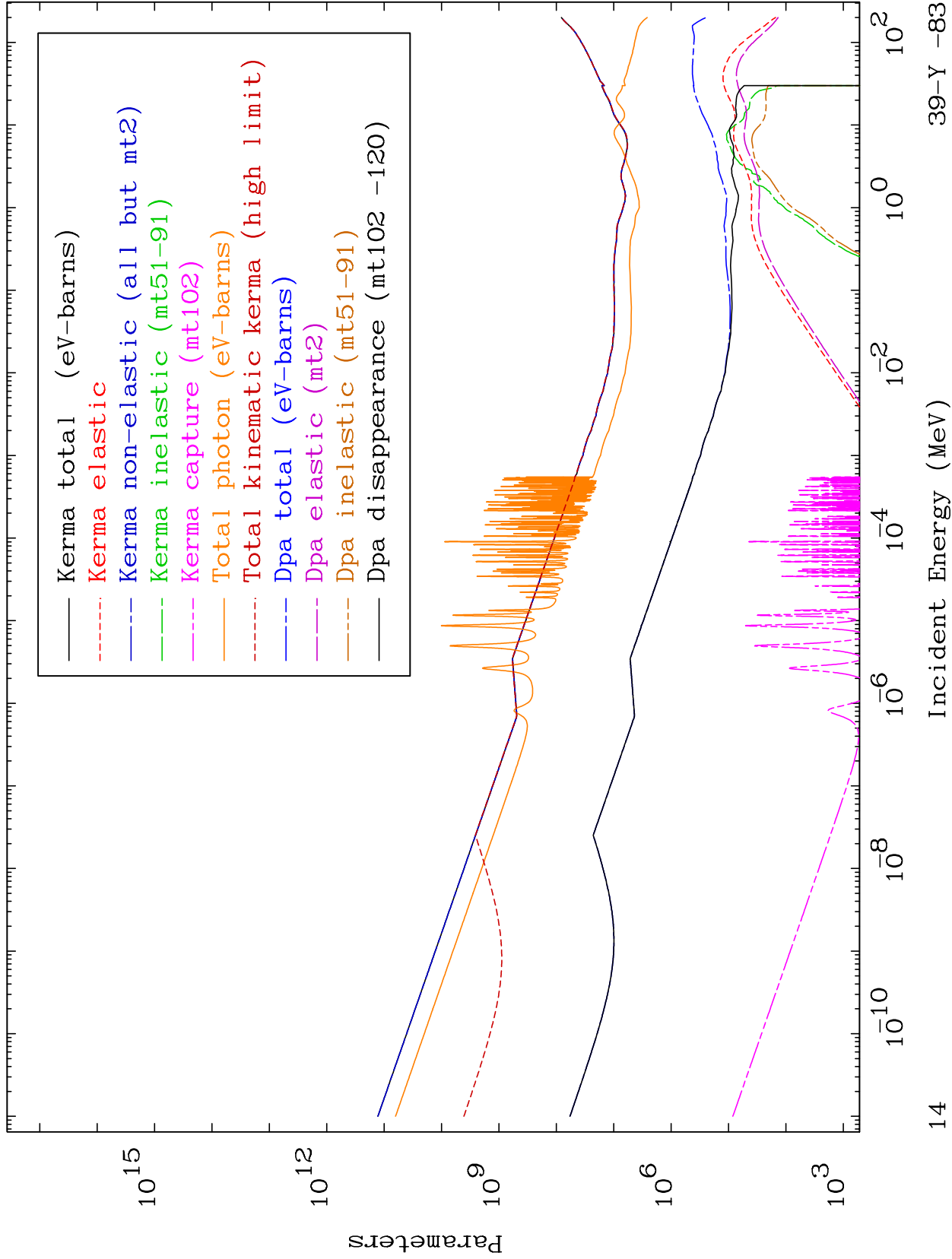
39-Y -83

MAT 3907

(n,α) Levels
293 Kelvin Cross Sections

39-Y -83

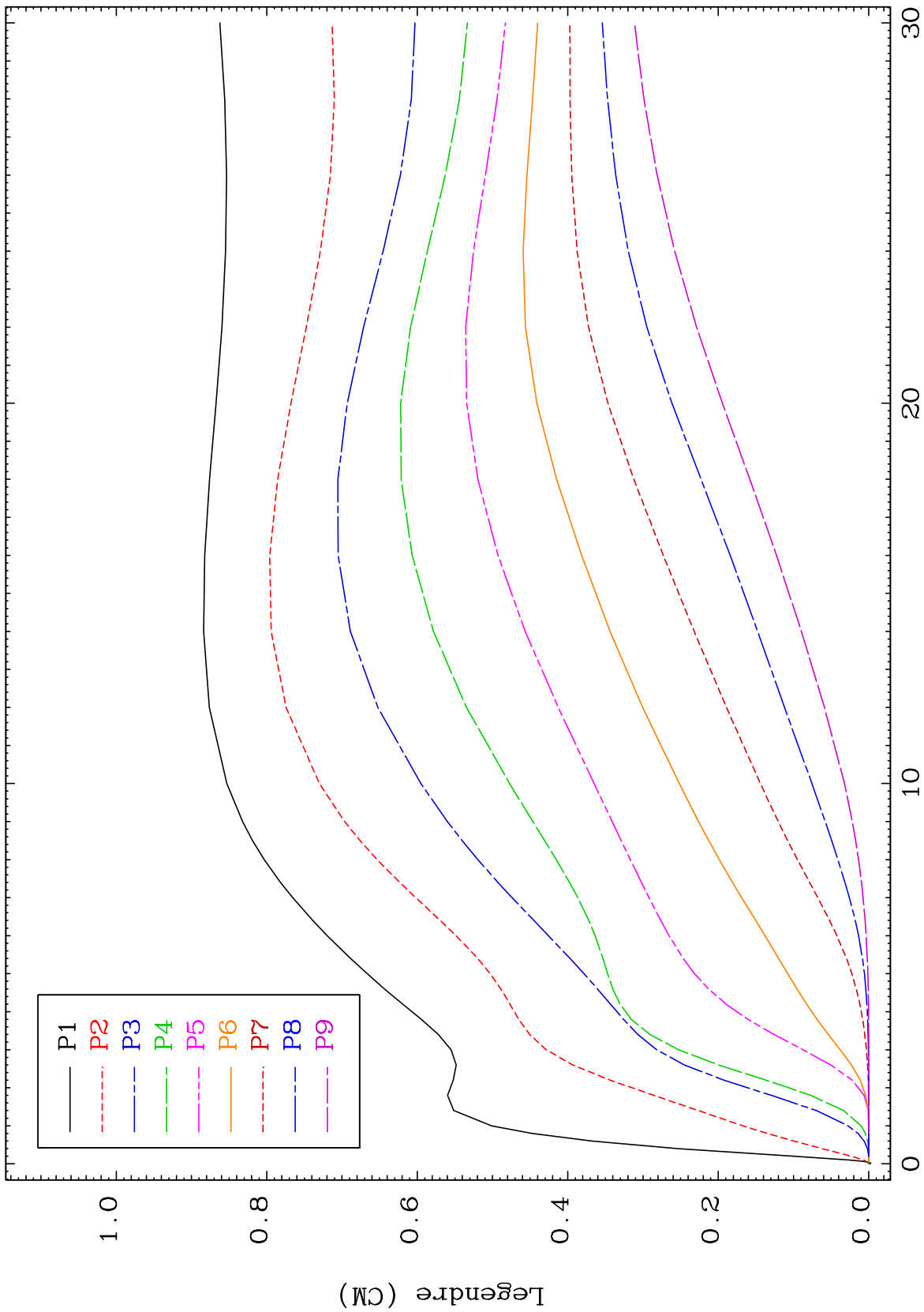




MAT 3907

Elastic Legendre Coefficients

39-Y -83



15

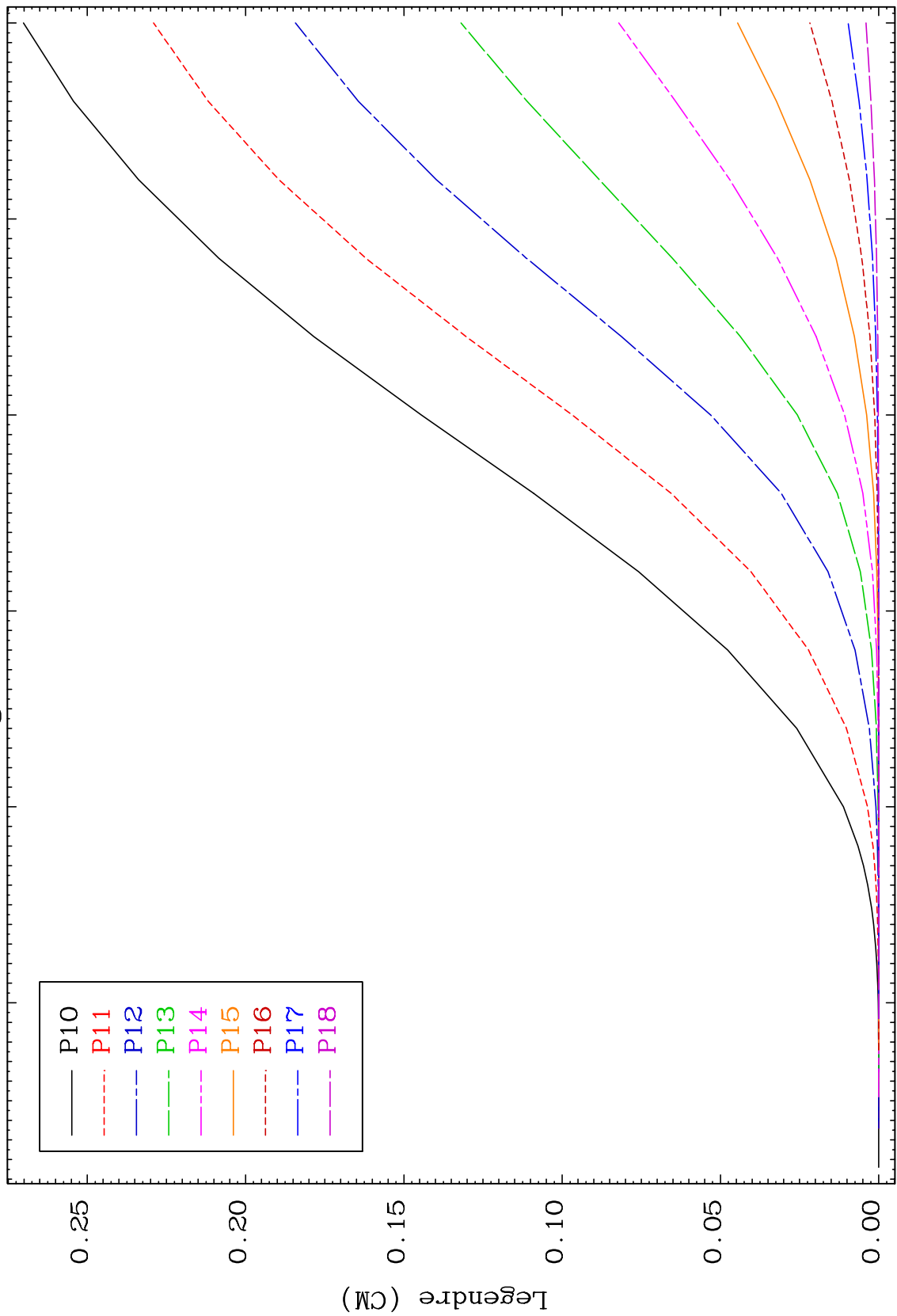
Incident Energy (MeV)

39-Y -83

MAT 3907

Elastic Legendre Coefficients

39-Y -83



16

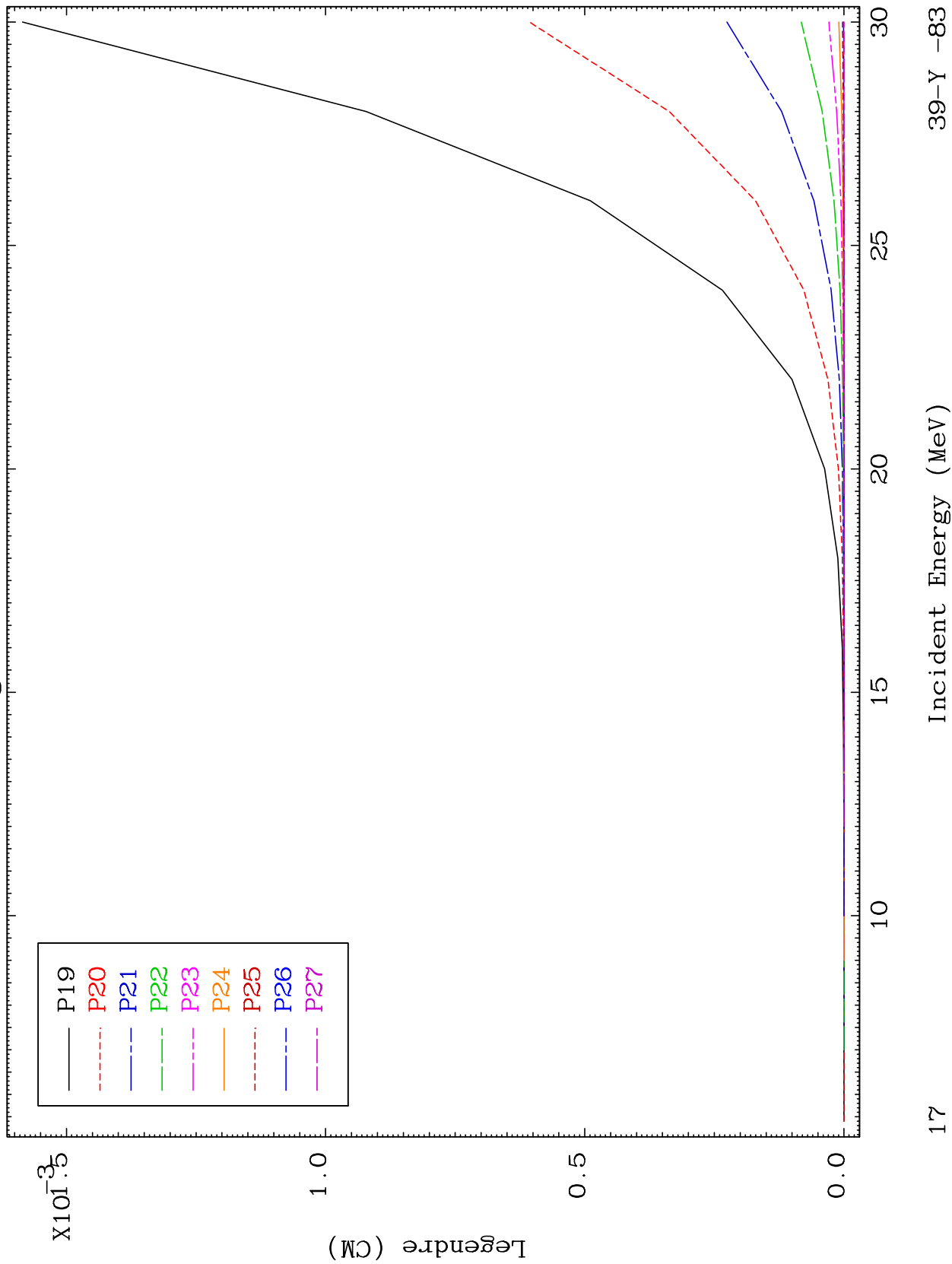
Incident Energy (MeV)

39-Y -83

MAT 3907

Elastic Legendre Coefficients

39-Y -83



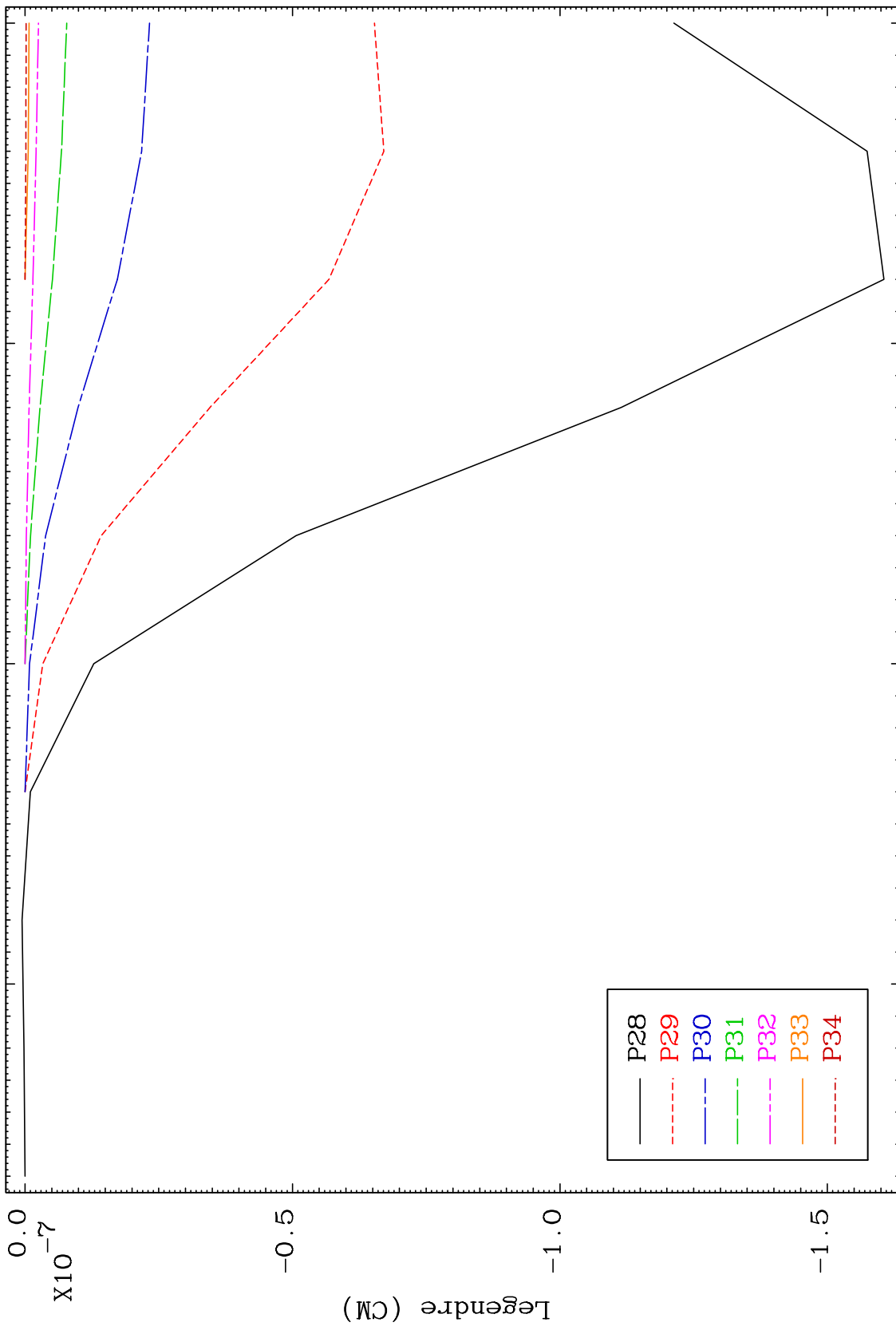
17

39-Y -83

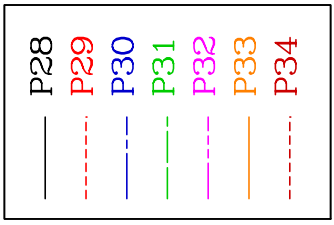
MAT 3907

39-Y -83

Elastic Legendre Coefficients



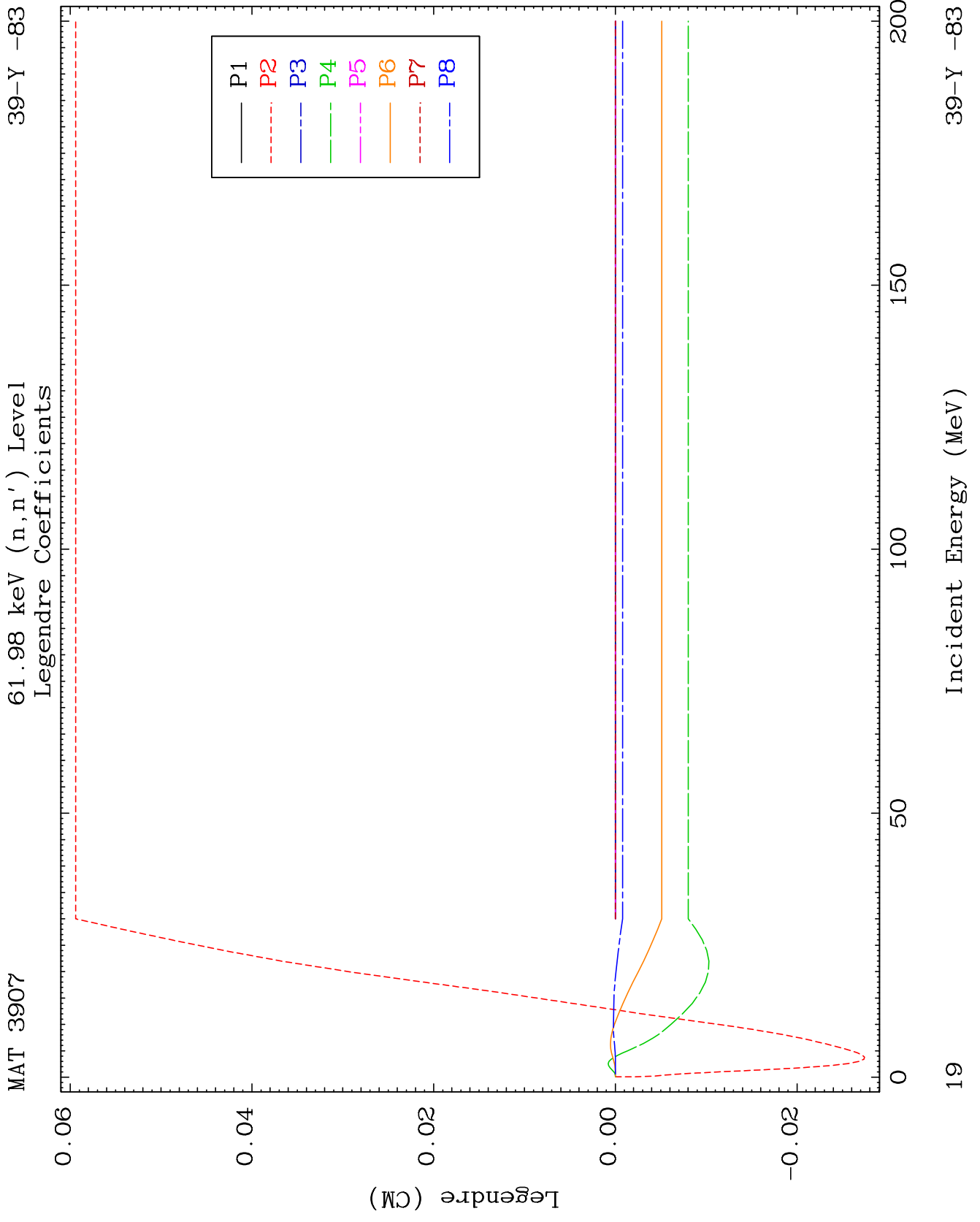
Legendre (CM)
X10⁻⁷

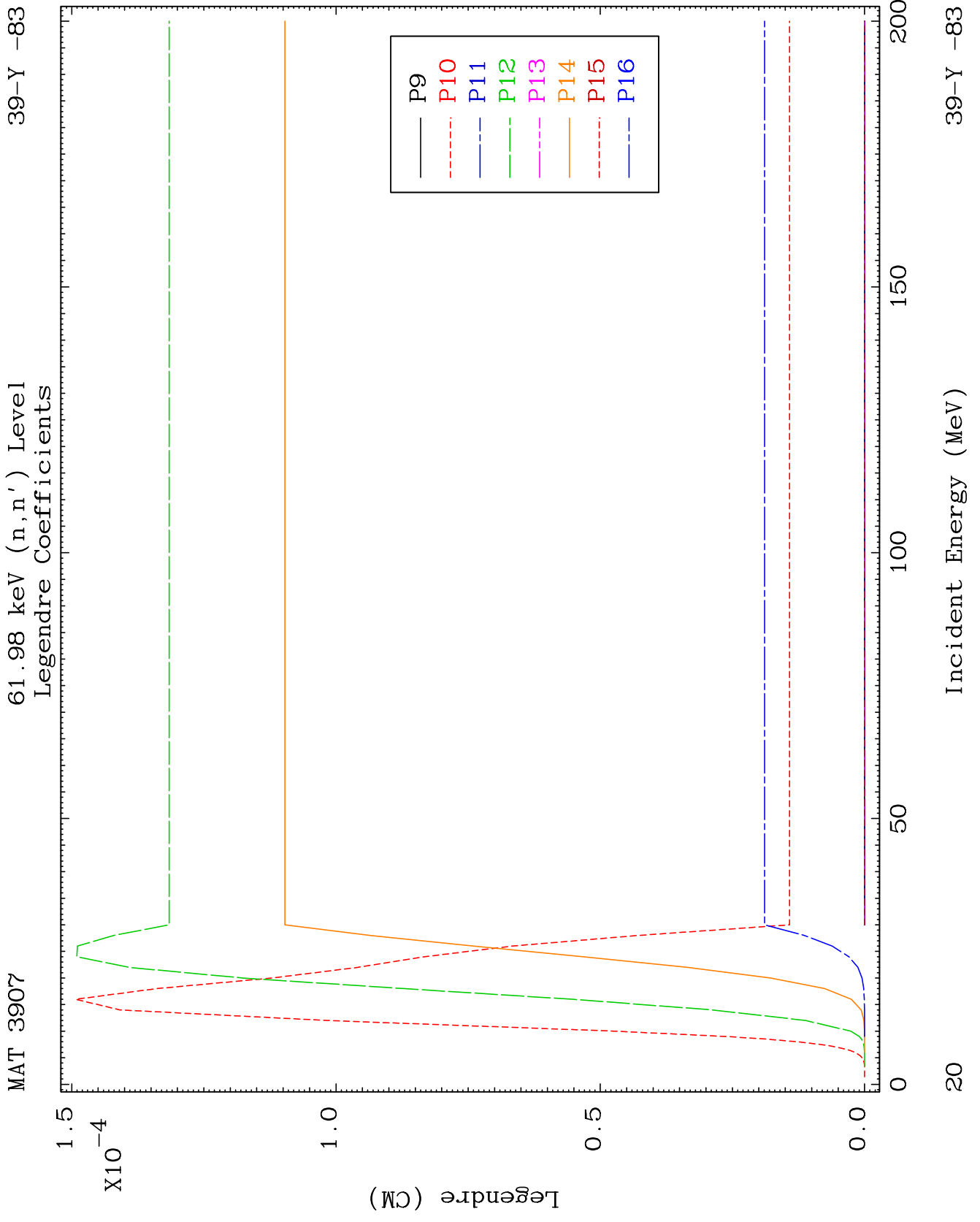


18

Incident Energy (MeV)

39-Y -83

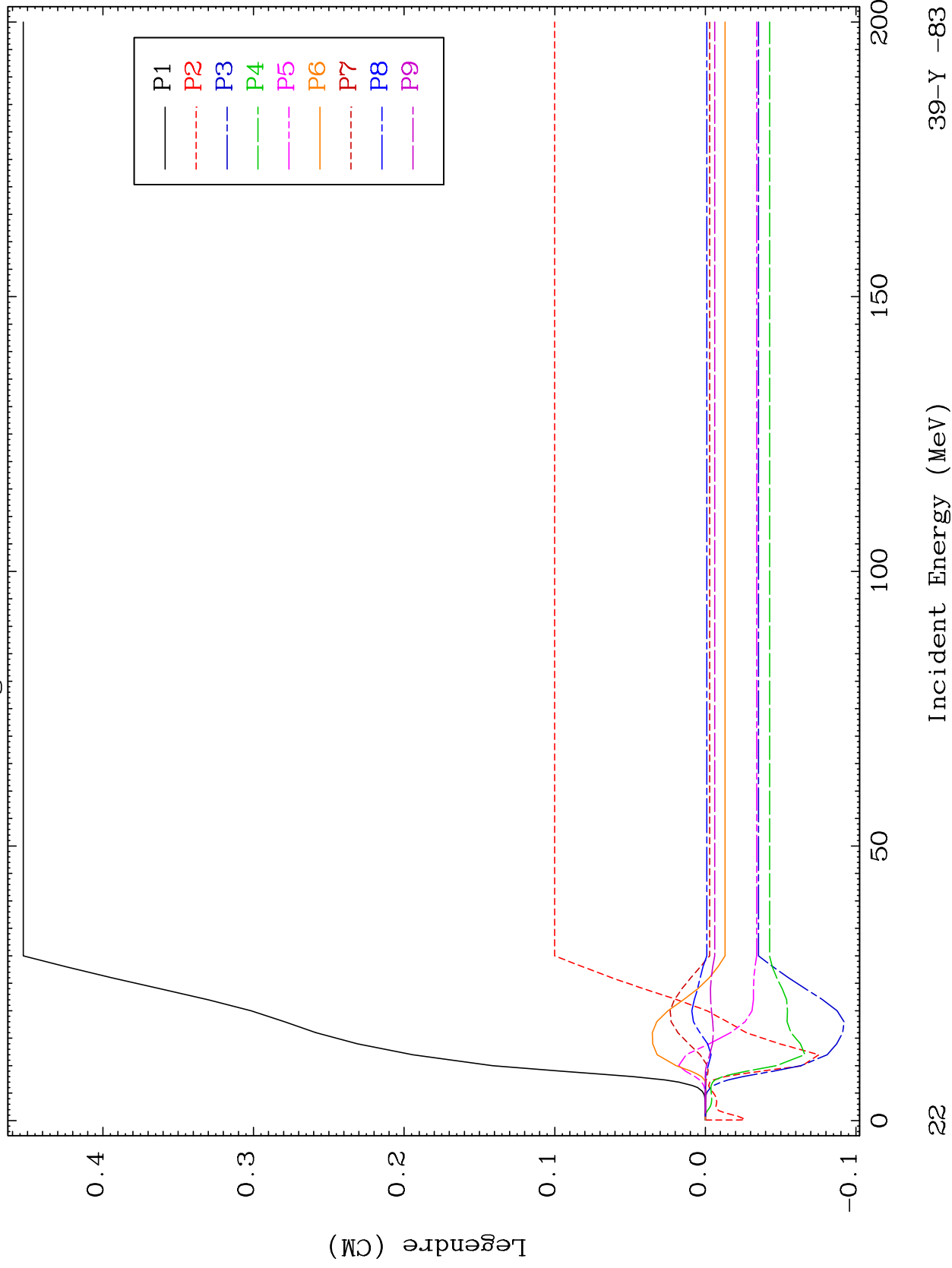




MAT 3907

97.10 keV (n,n') Level
Legendre Coefficients

39-Y -83



39-Y -83

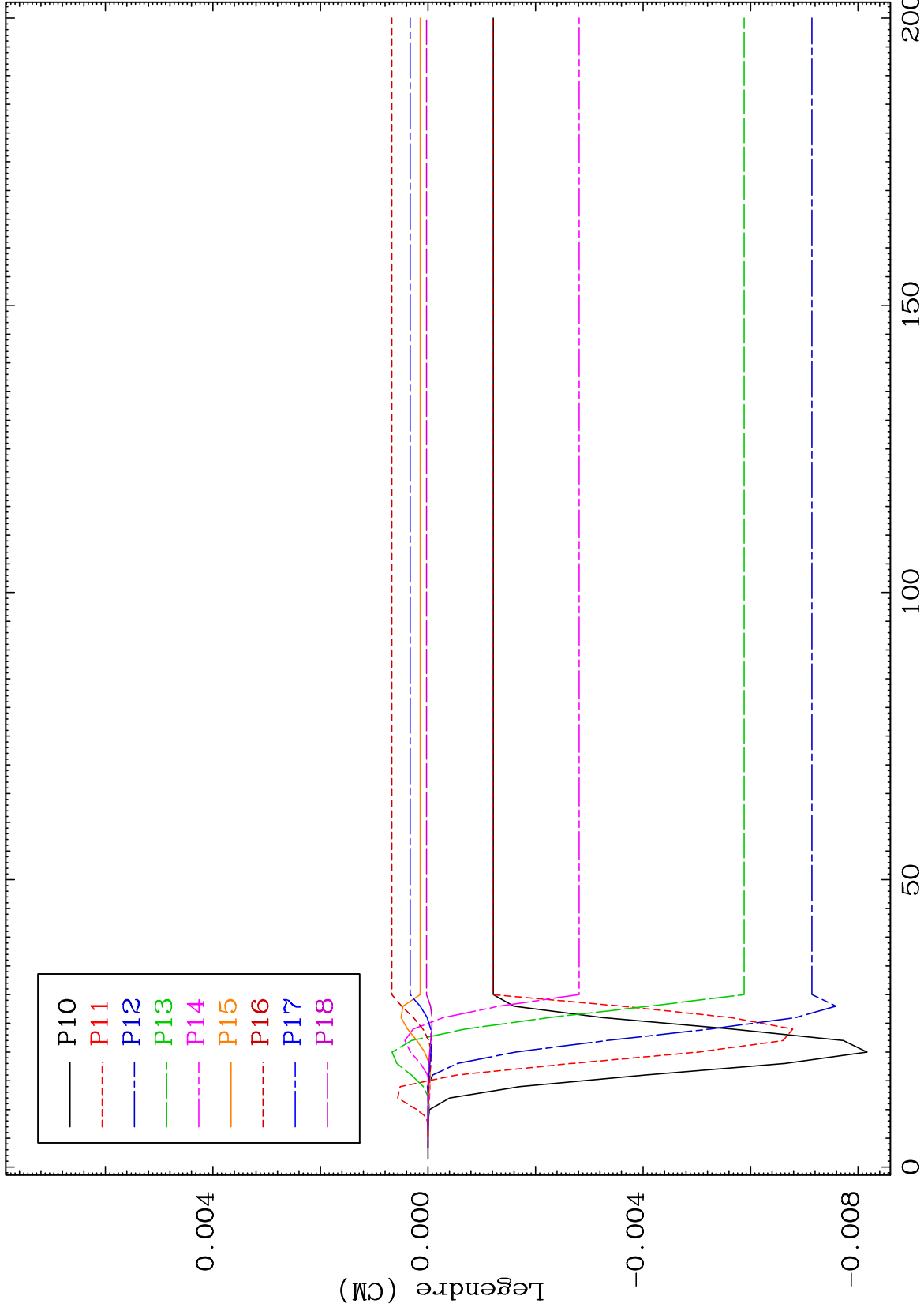
Incident Energy (MeV)

22

MAT 3907

97.10 keV (n,n') Level
Legendre Coefficients

39-Y -83



23

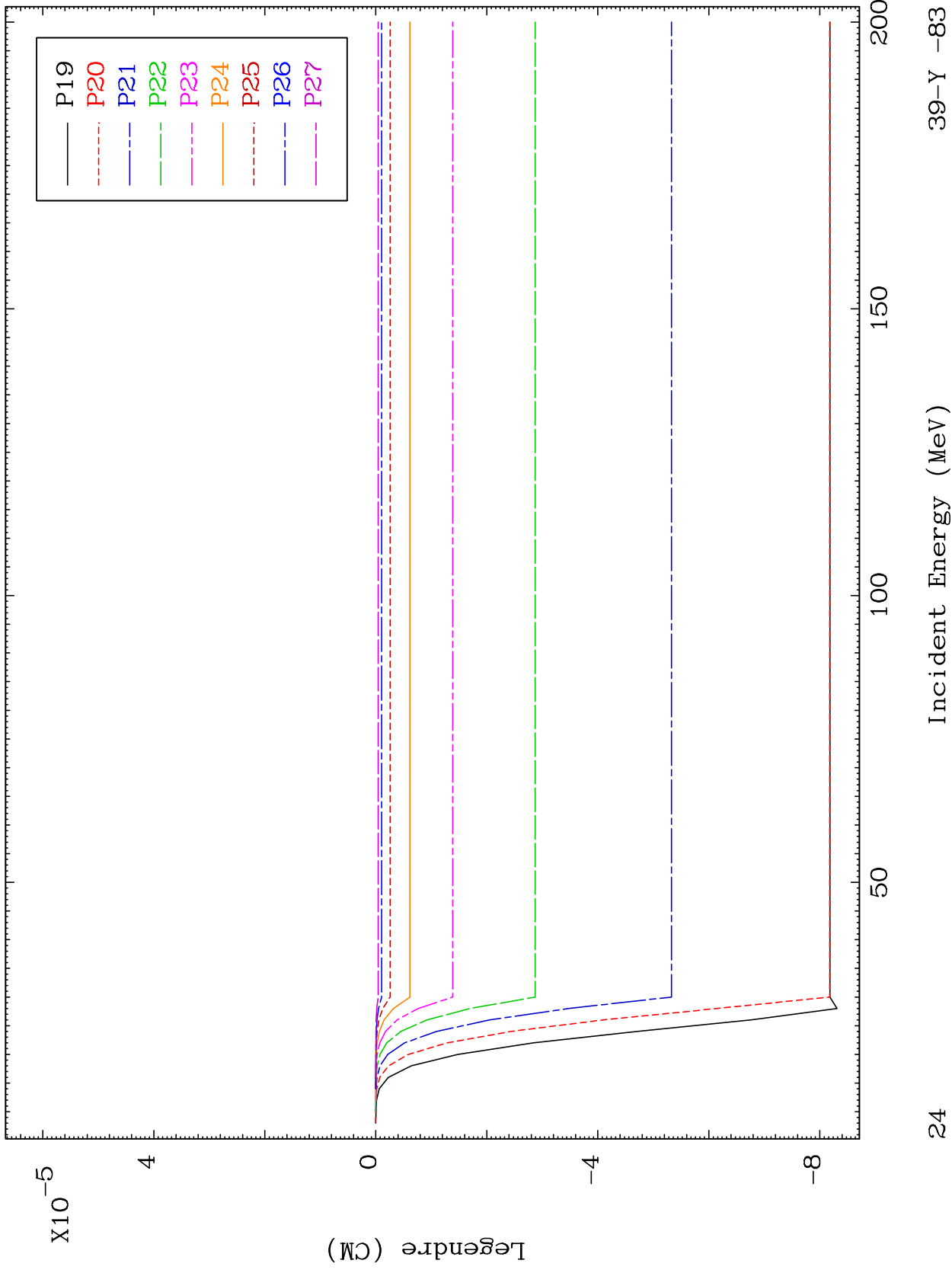
Incident Energy (MeV)

39-Y -83

MAT 3907

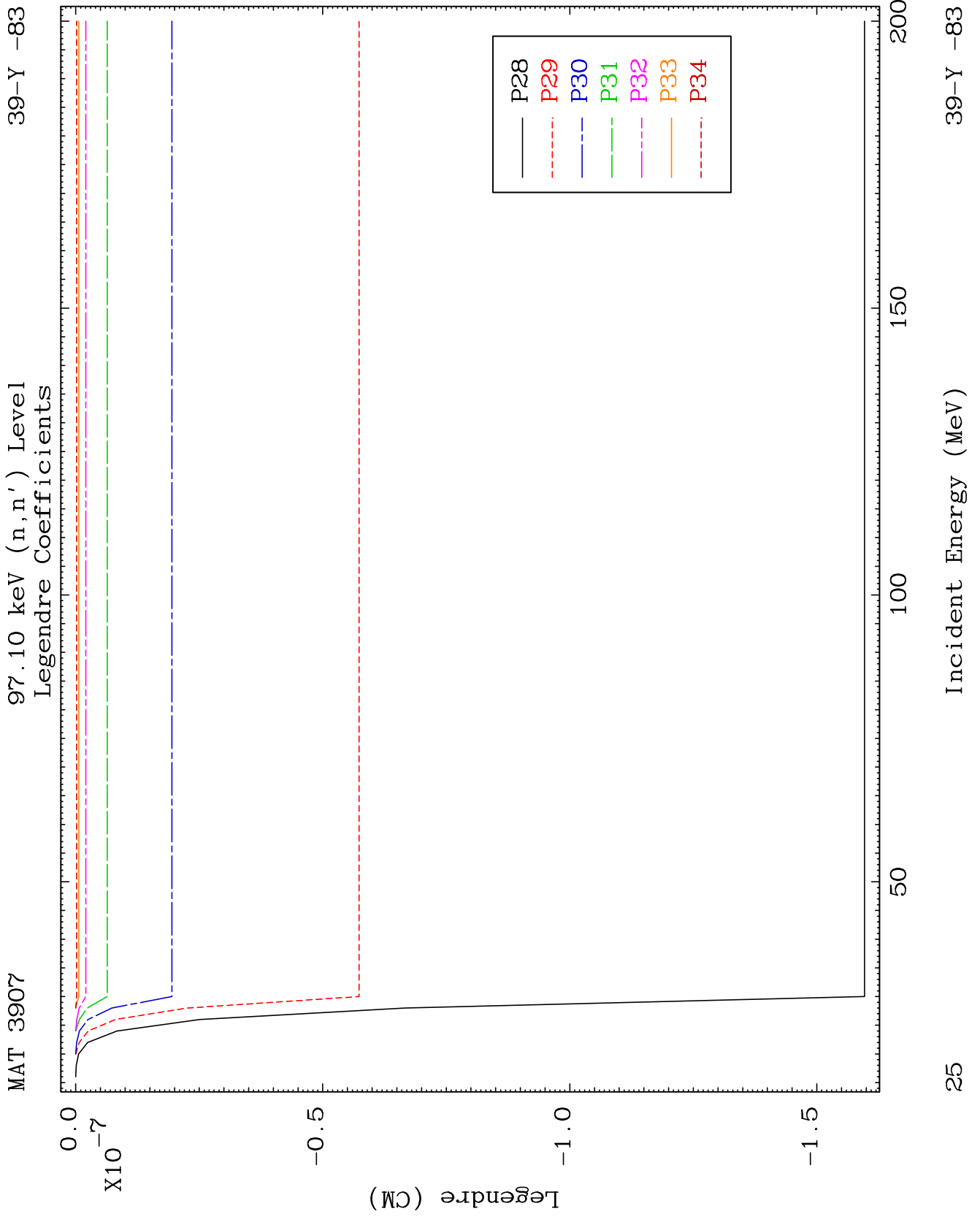
97.10 keV (n,n') Level
Legendre Coefficients

39-Y -83



24

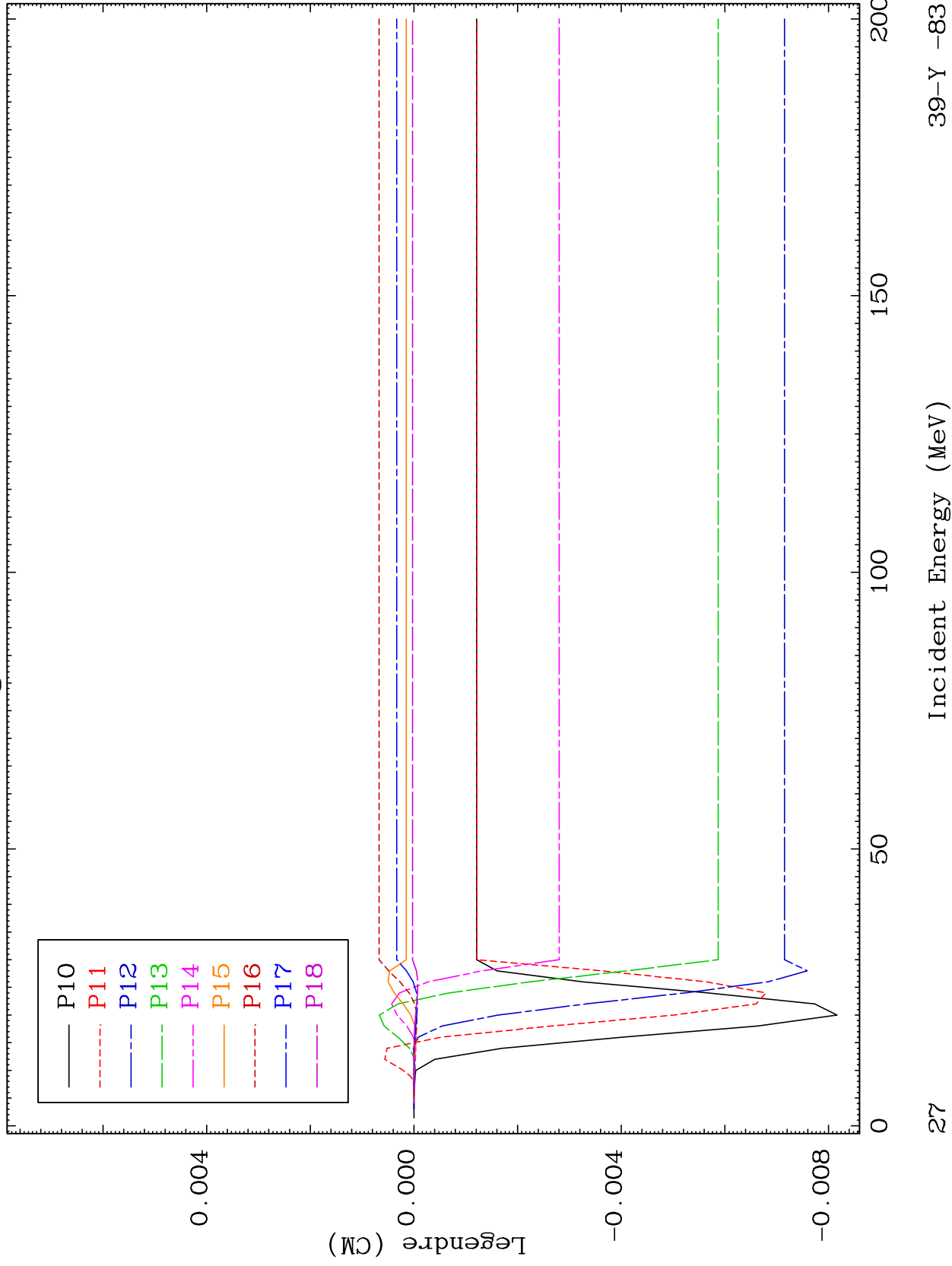
39-Y -83



MAT 3907

117.5 keV (n,n') Level
Legendre Coefficients

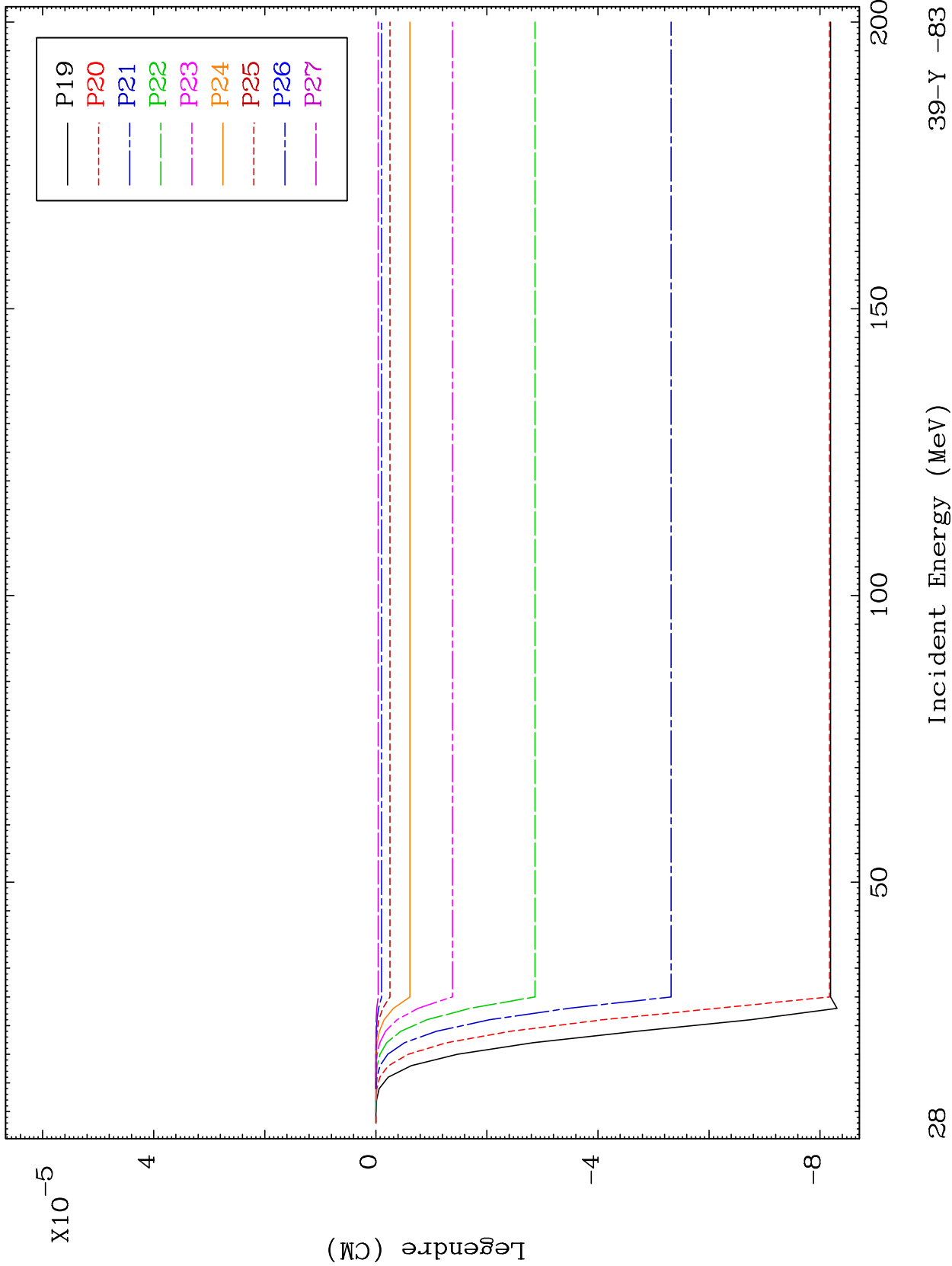
39-Y -83

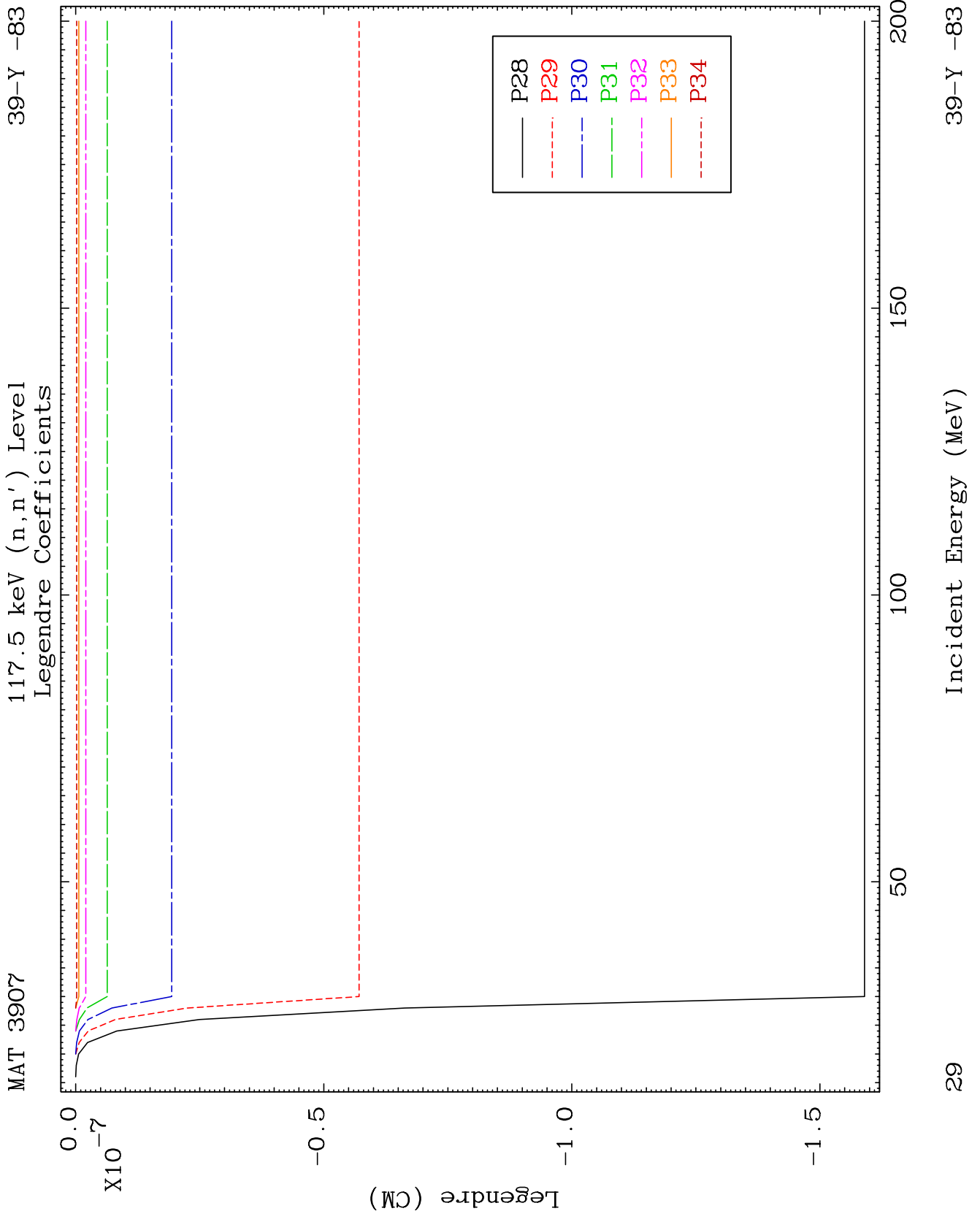


27

Incident Energy (MeV)

39-Y -83

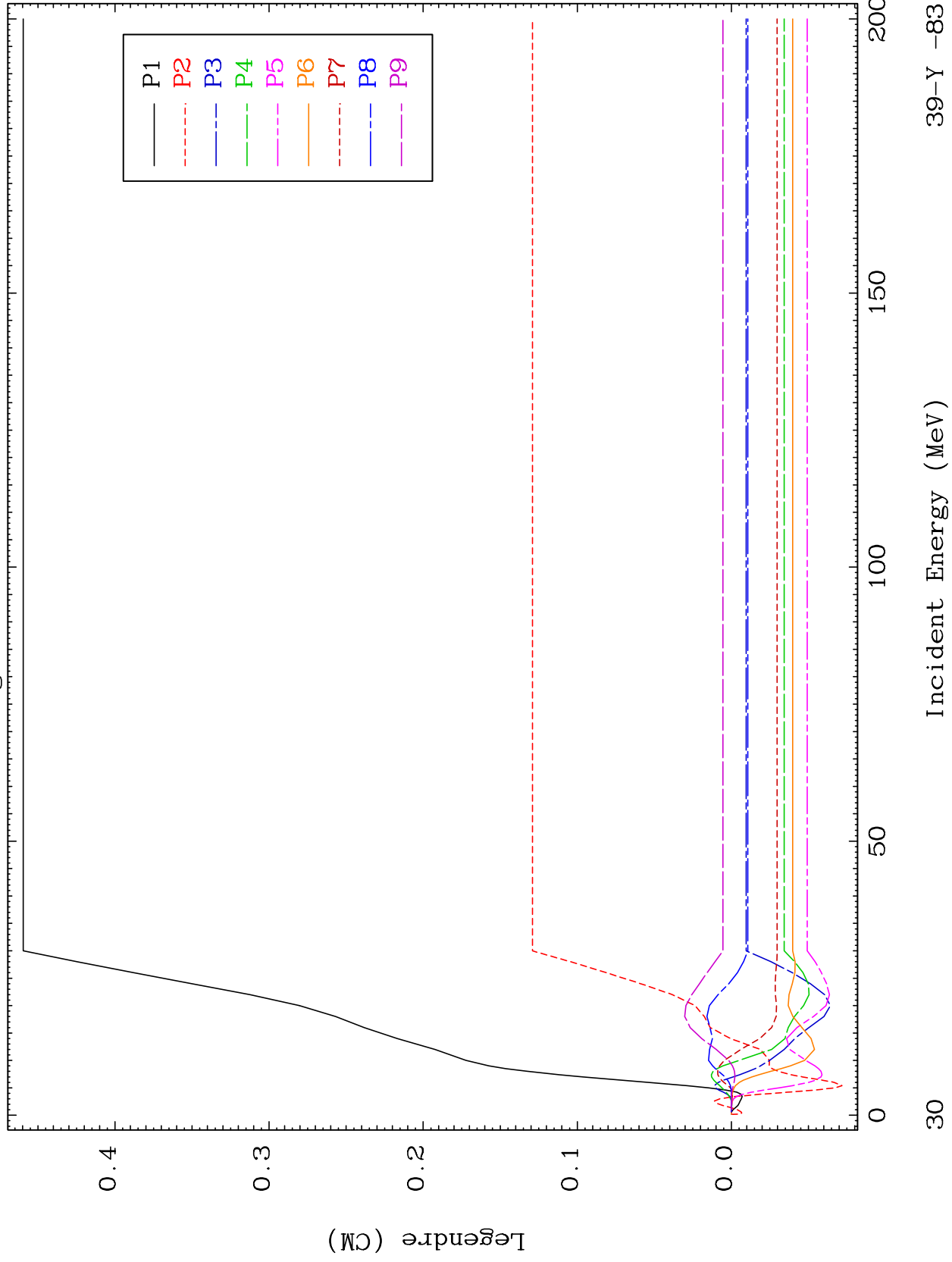




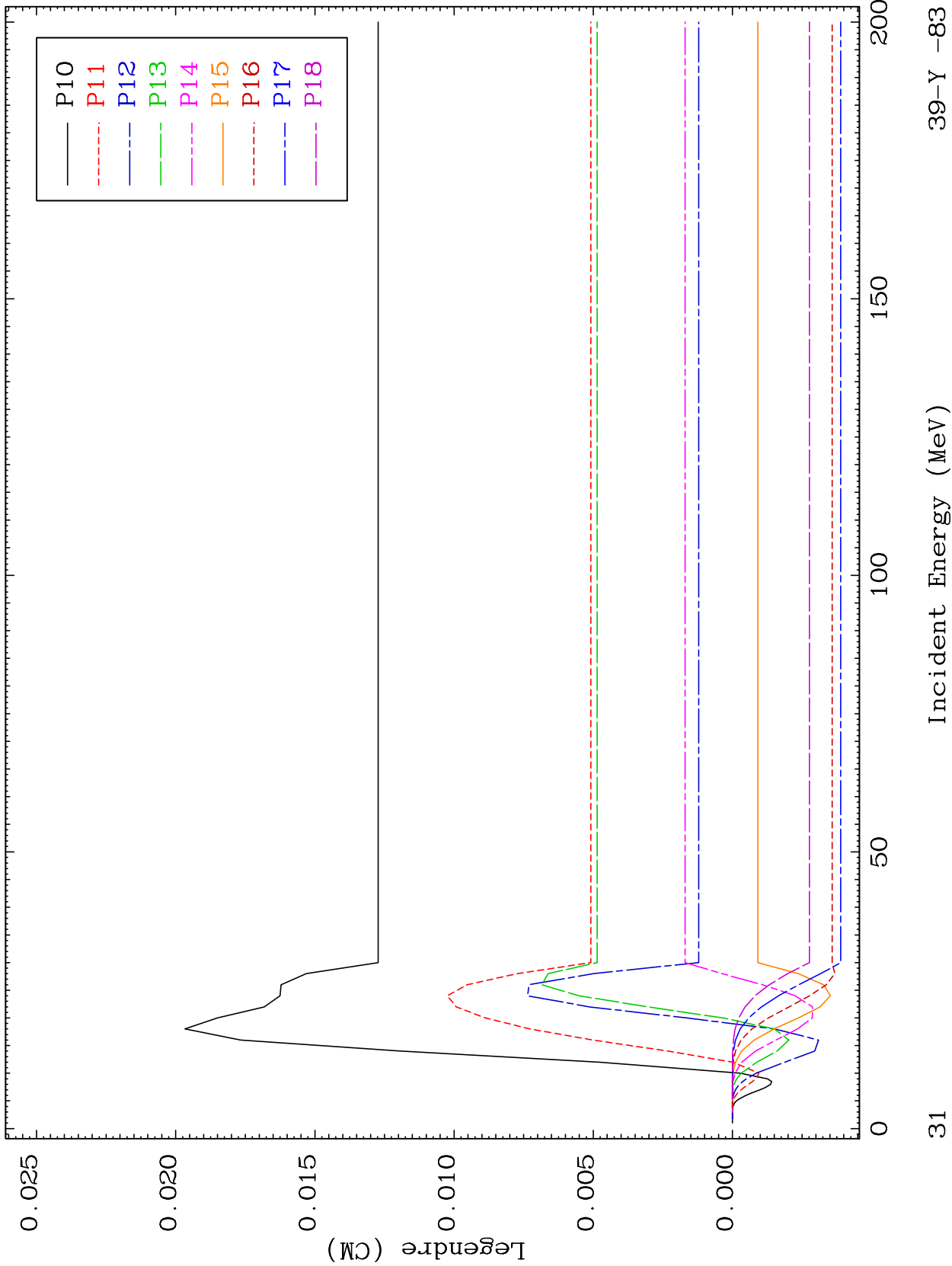
MAT 3907

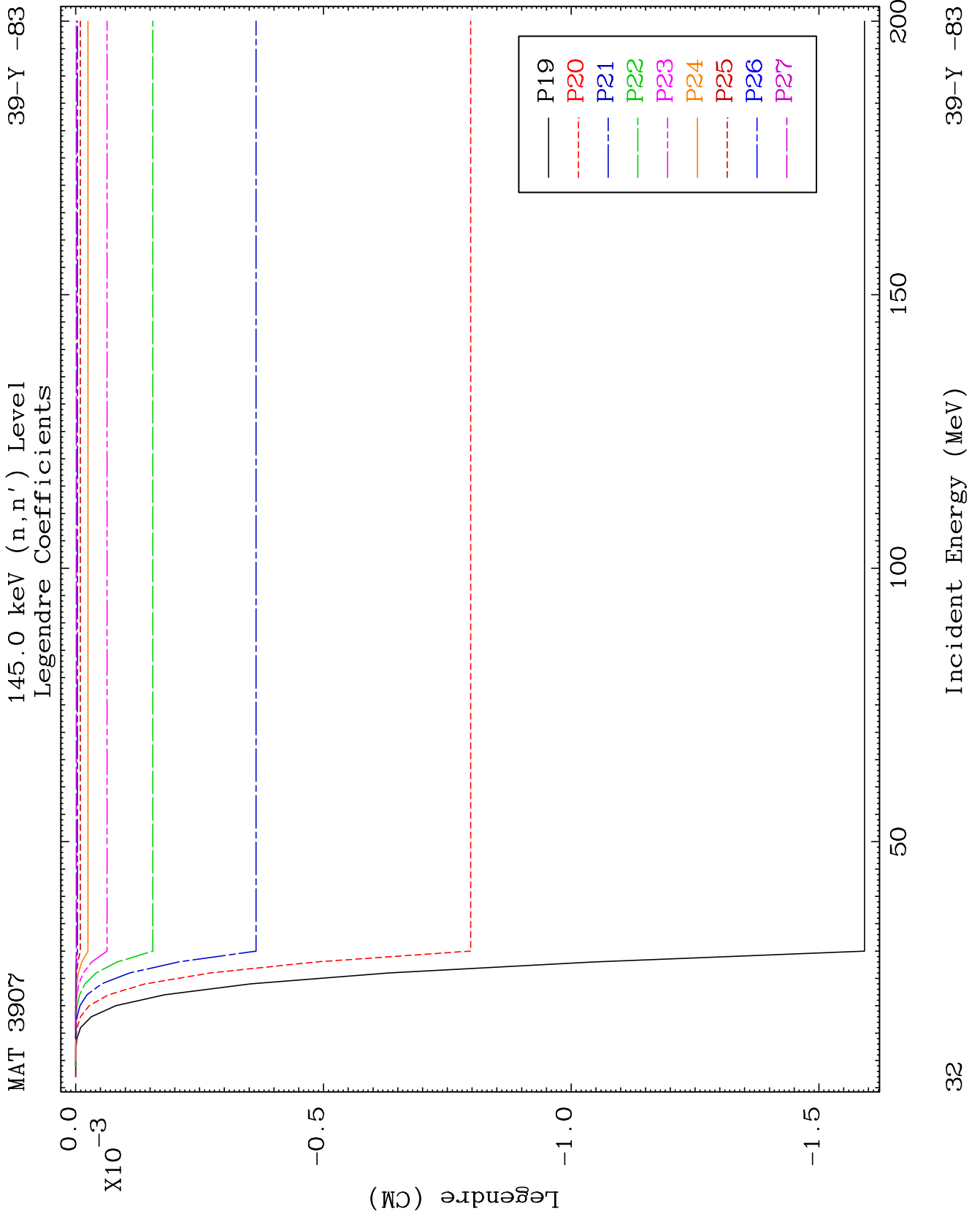
145.0 keV (n,n') Level
Legendre Coefficients

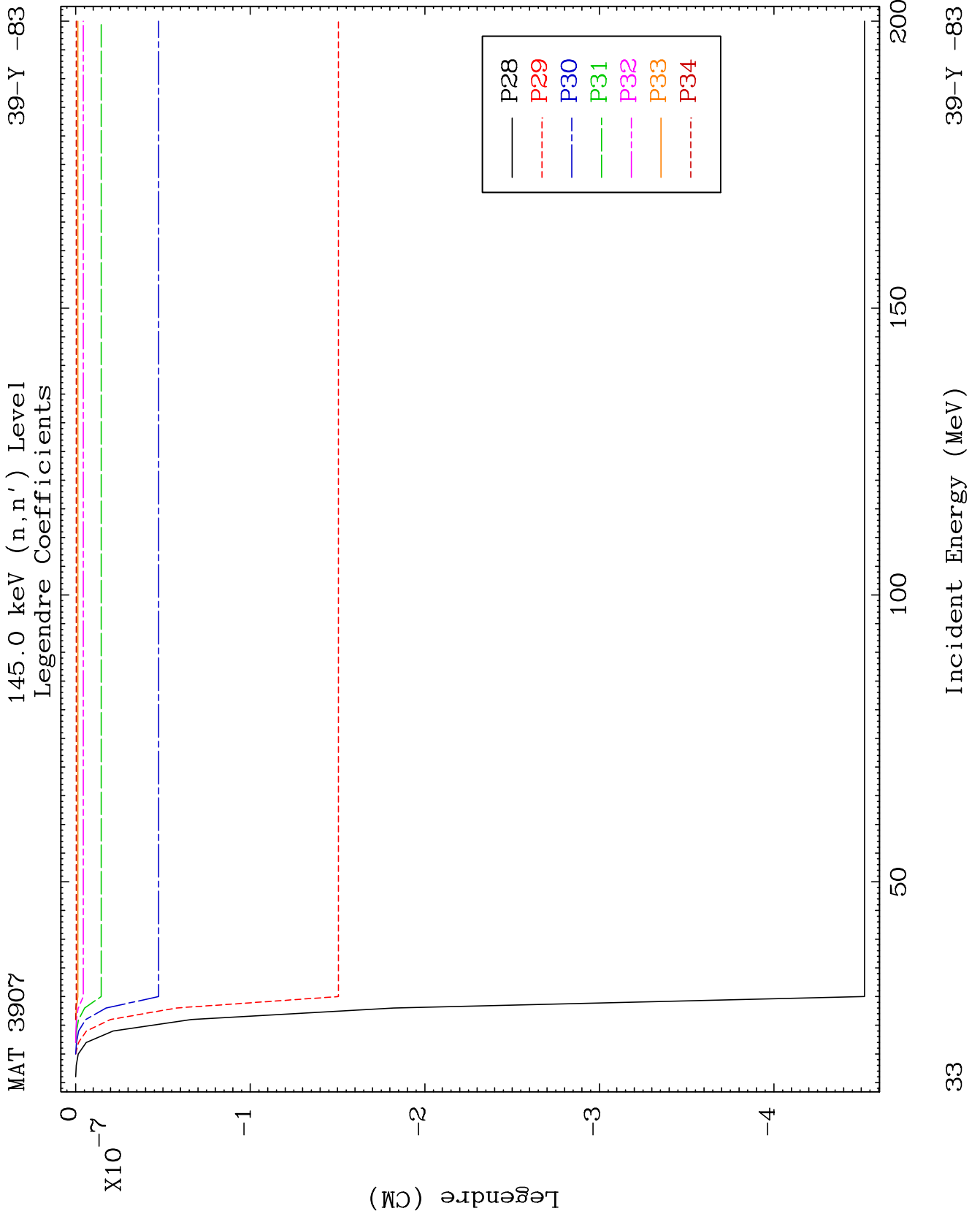
39-Y -83

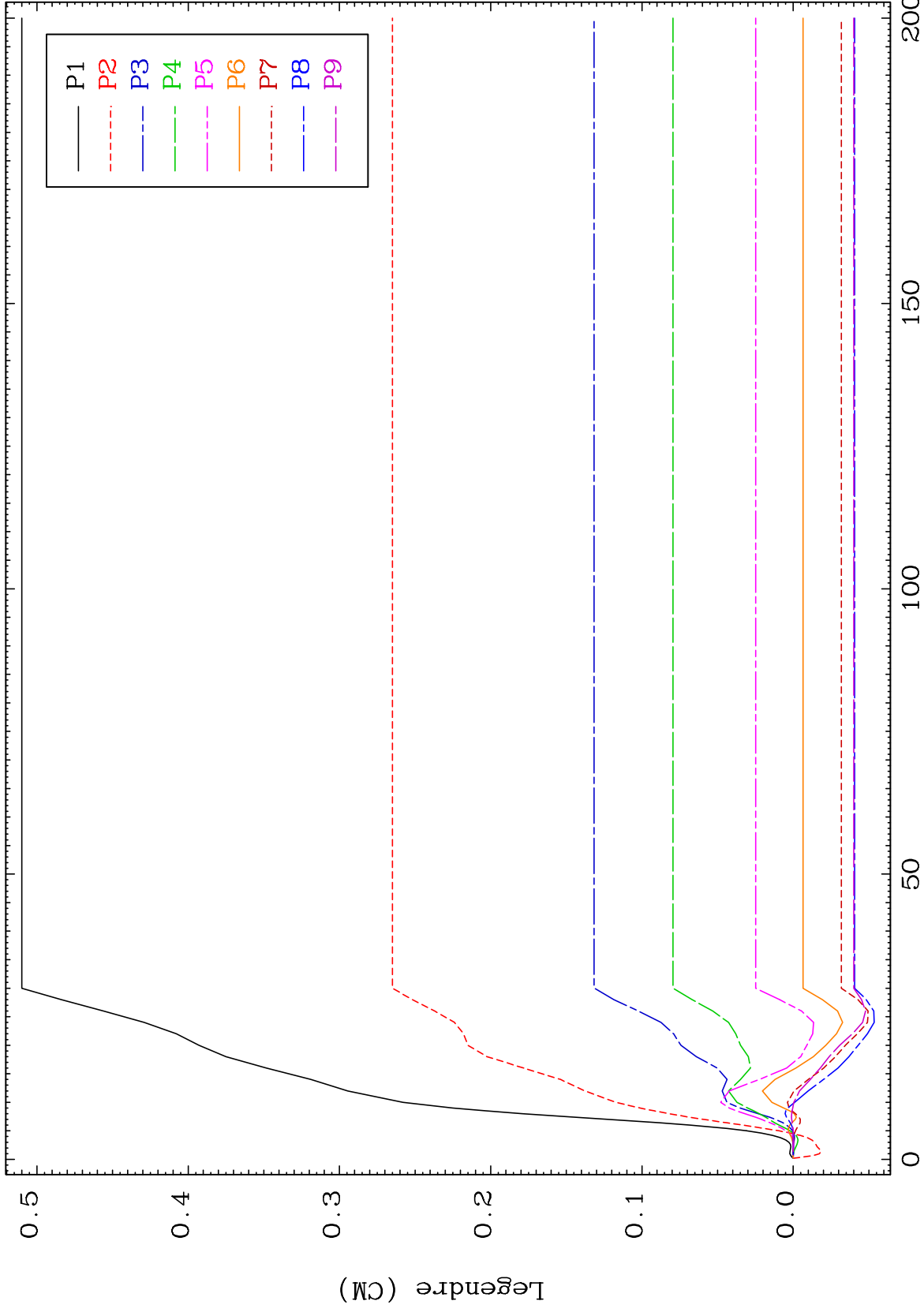


39-Y -83





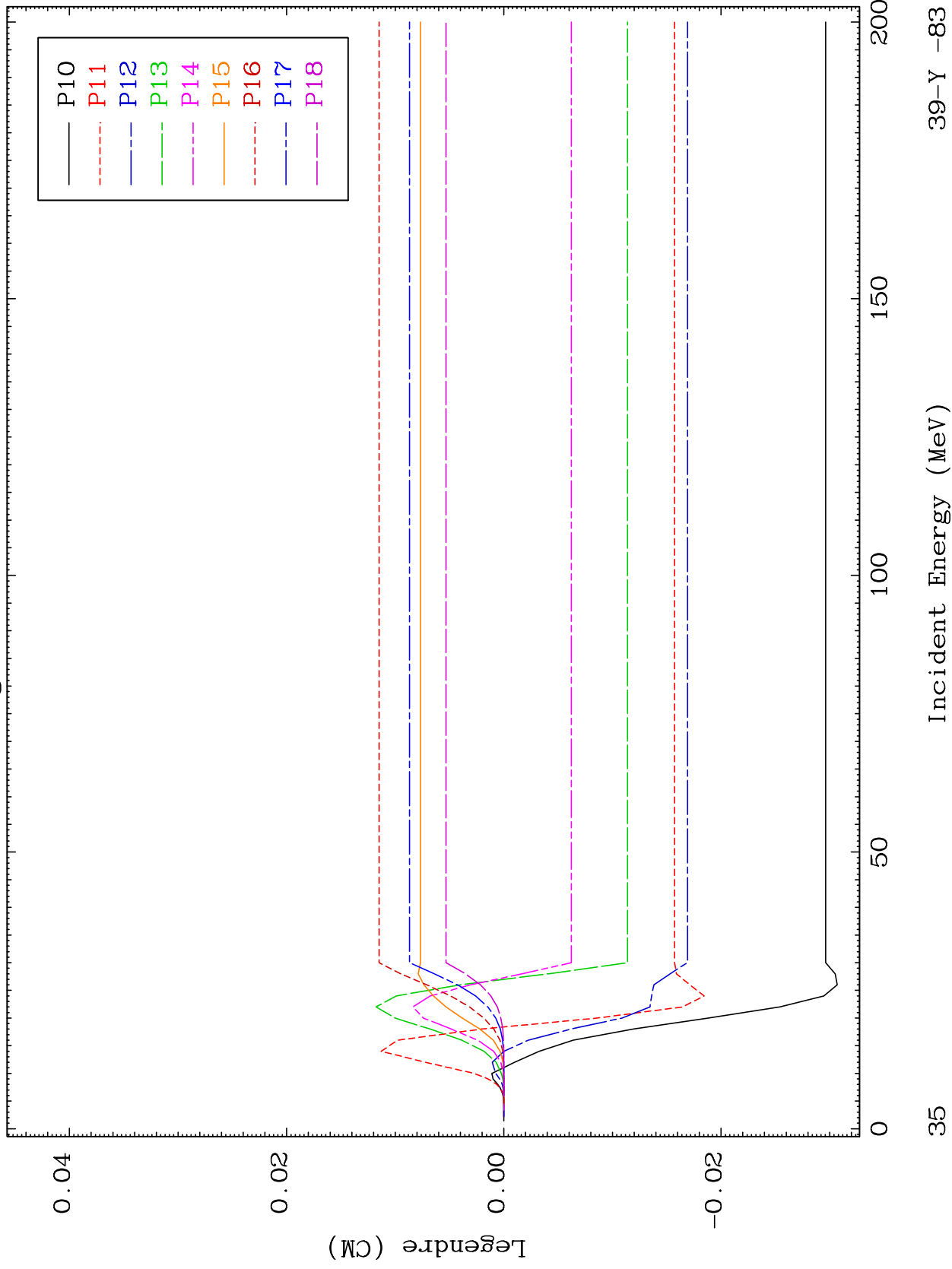




MAT 3907

167.0 keV (n,n') Level
Legendre Coefficients

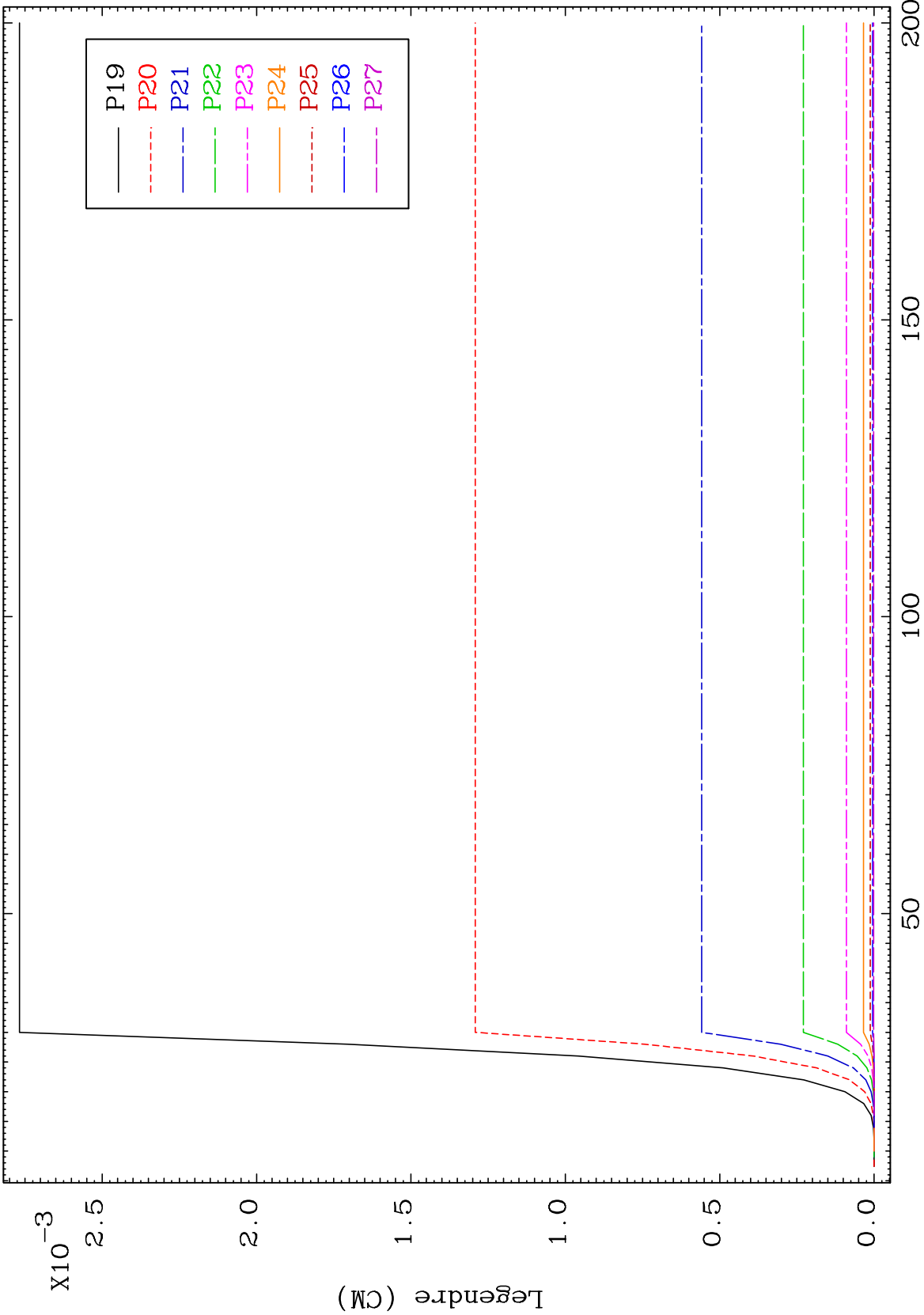
39-Y -83



39-Y -83

Incident Energy (MeV)

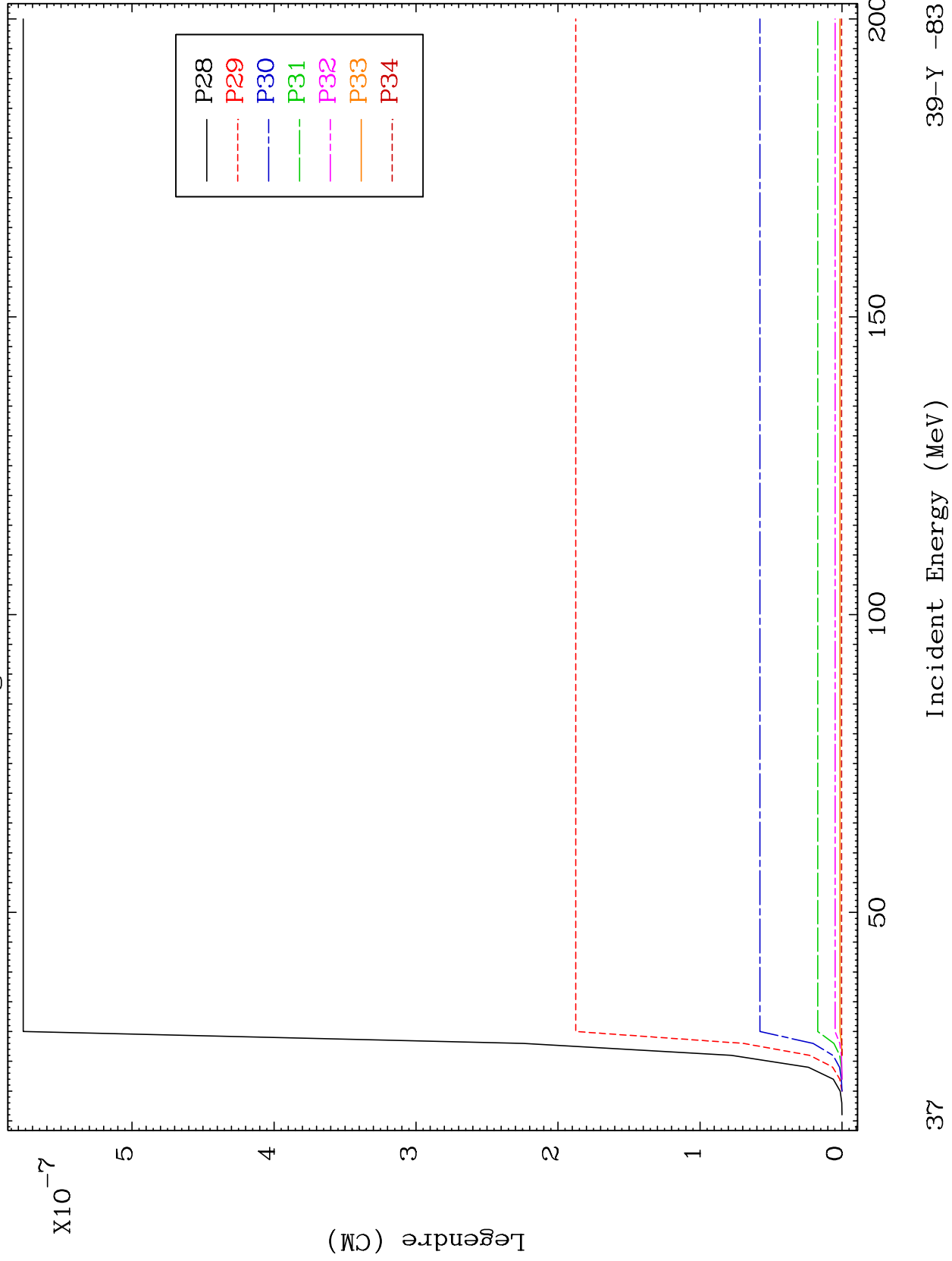
35

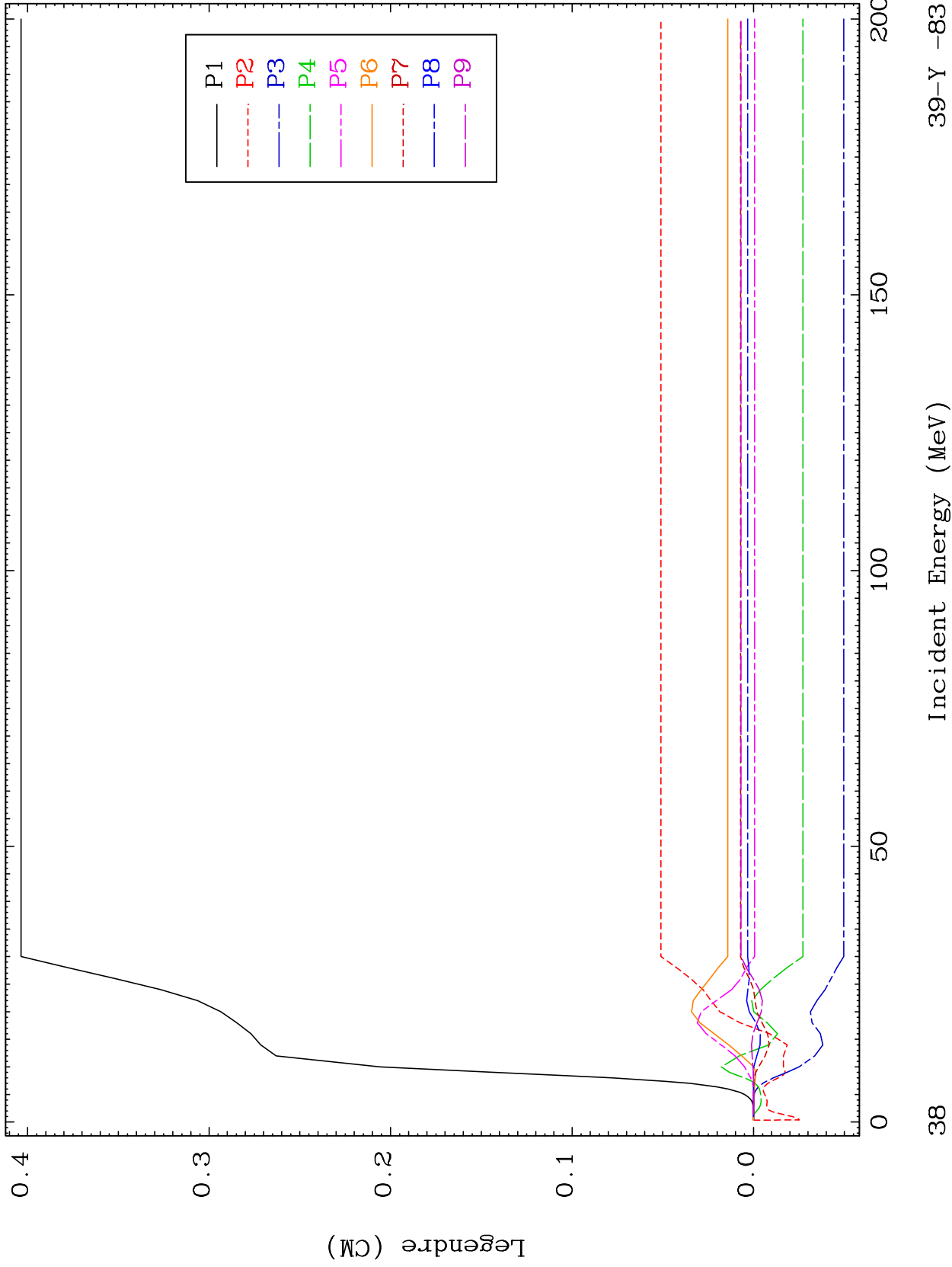


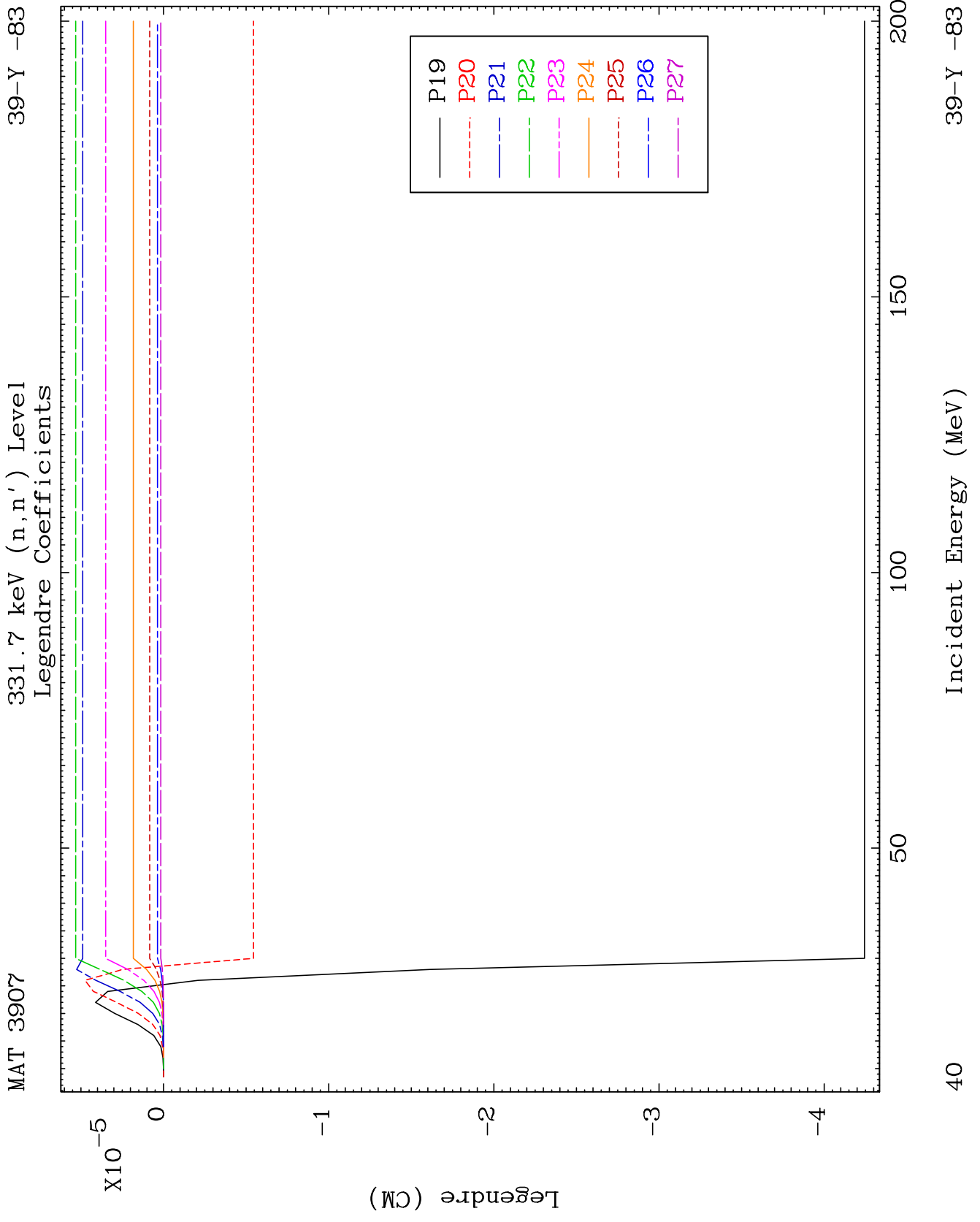
MAT 3907

167.0 keV (n,n') Level
Legendre Coefficients

39-Y -83



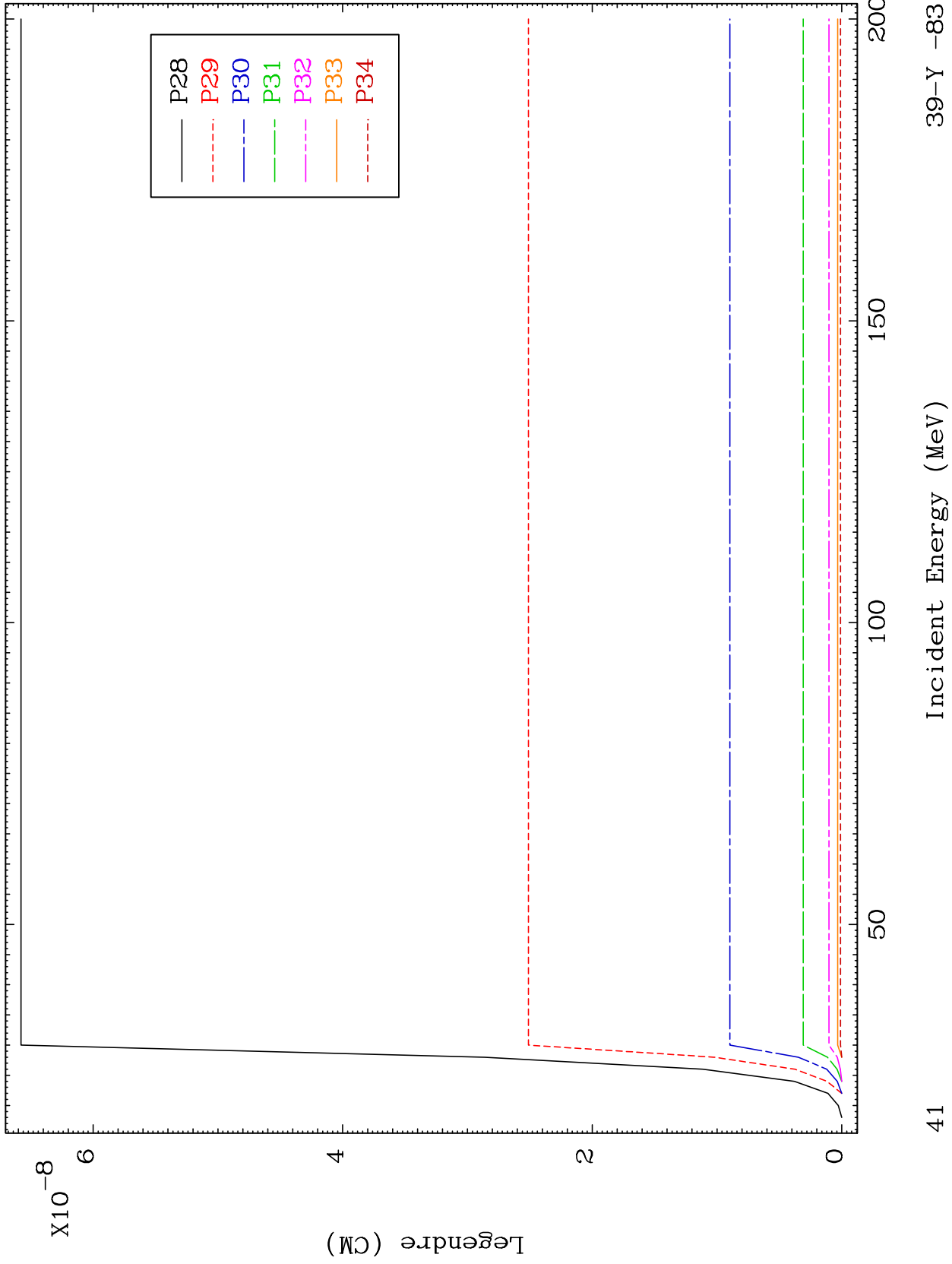


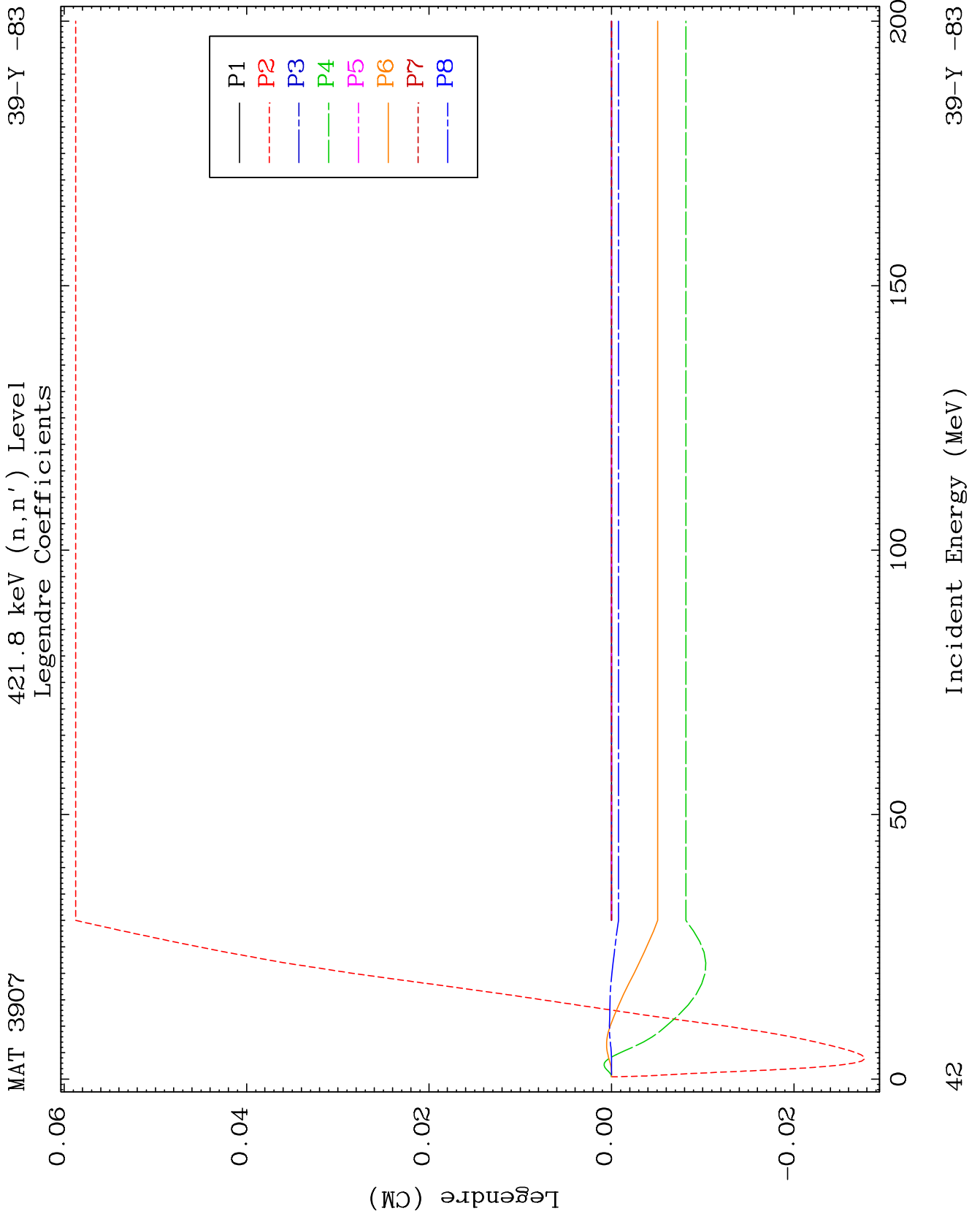


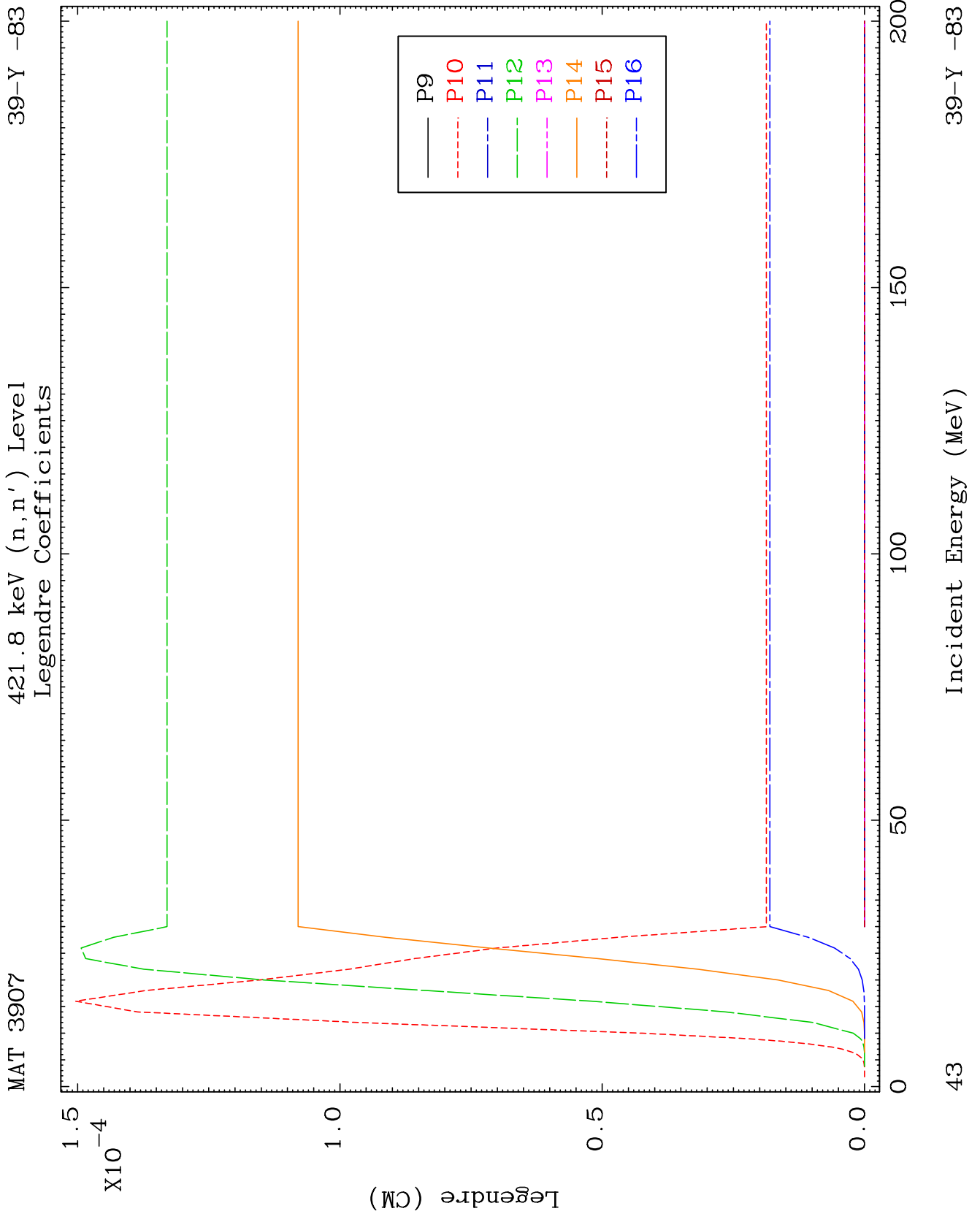
MAT 3907

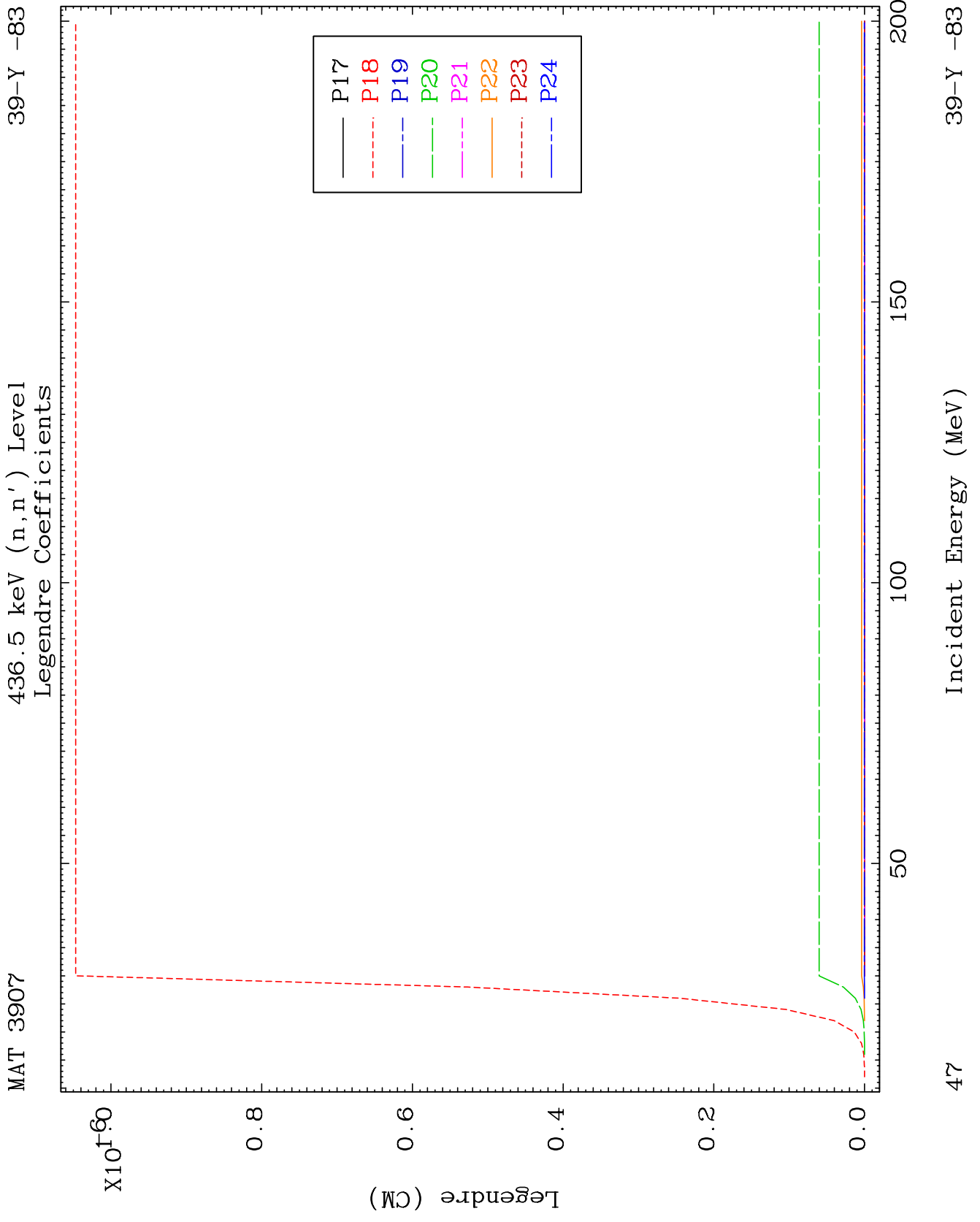
331.7 keV (n,n') Level
Legendre Coefficients

39-Y -83





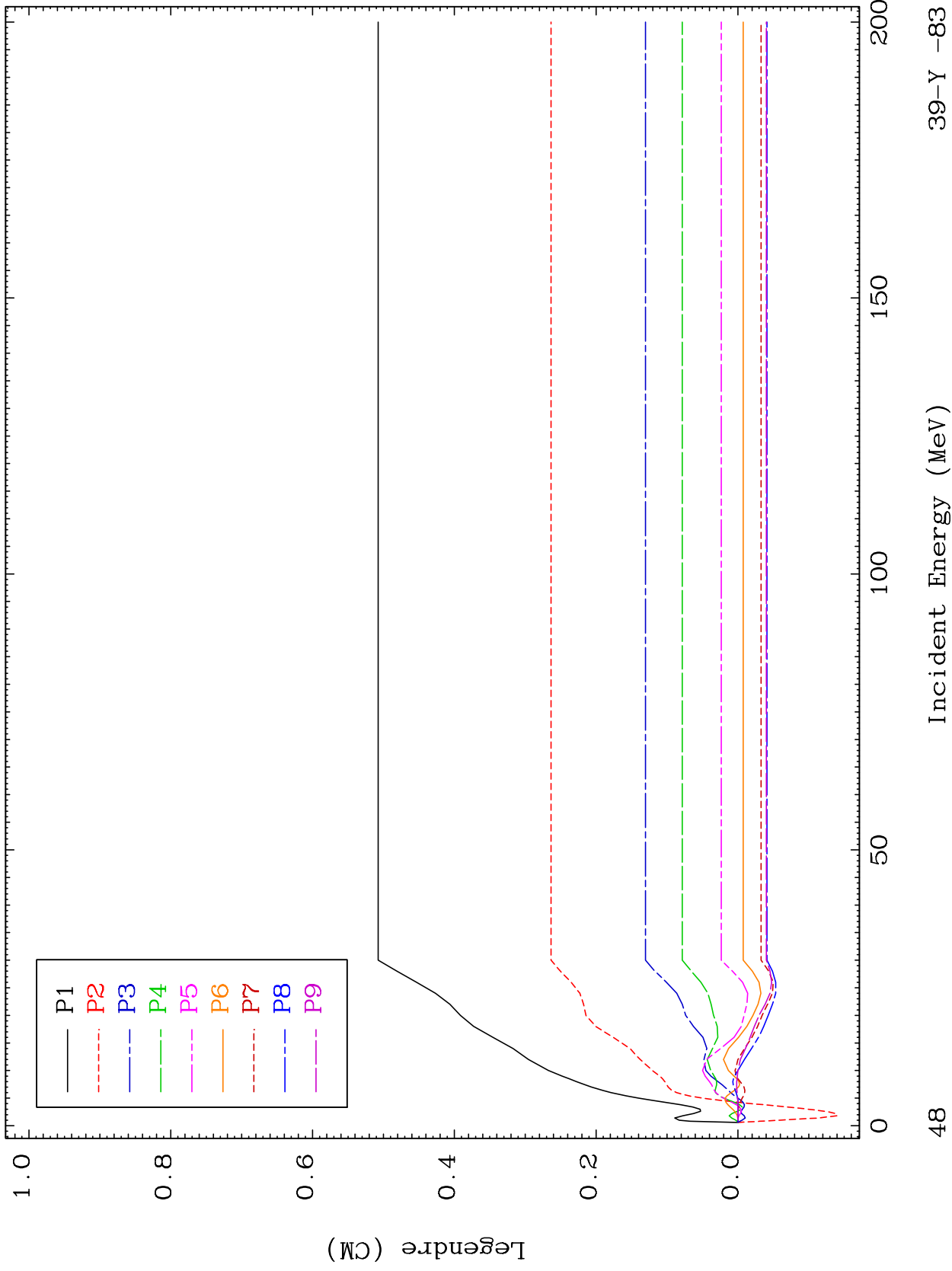




MAT 3907

537.1 keV (n,n') Level
Legendre Coefficients

39-Y -83



39-Y -83

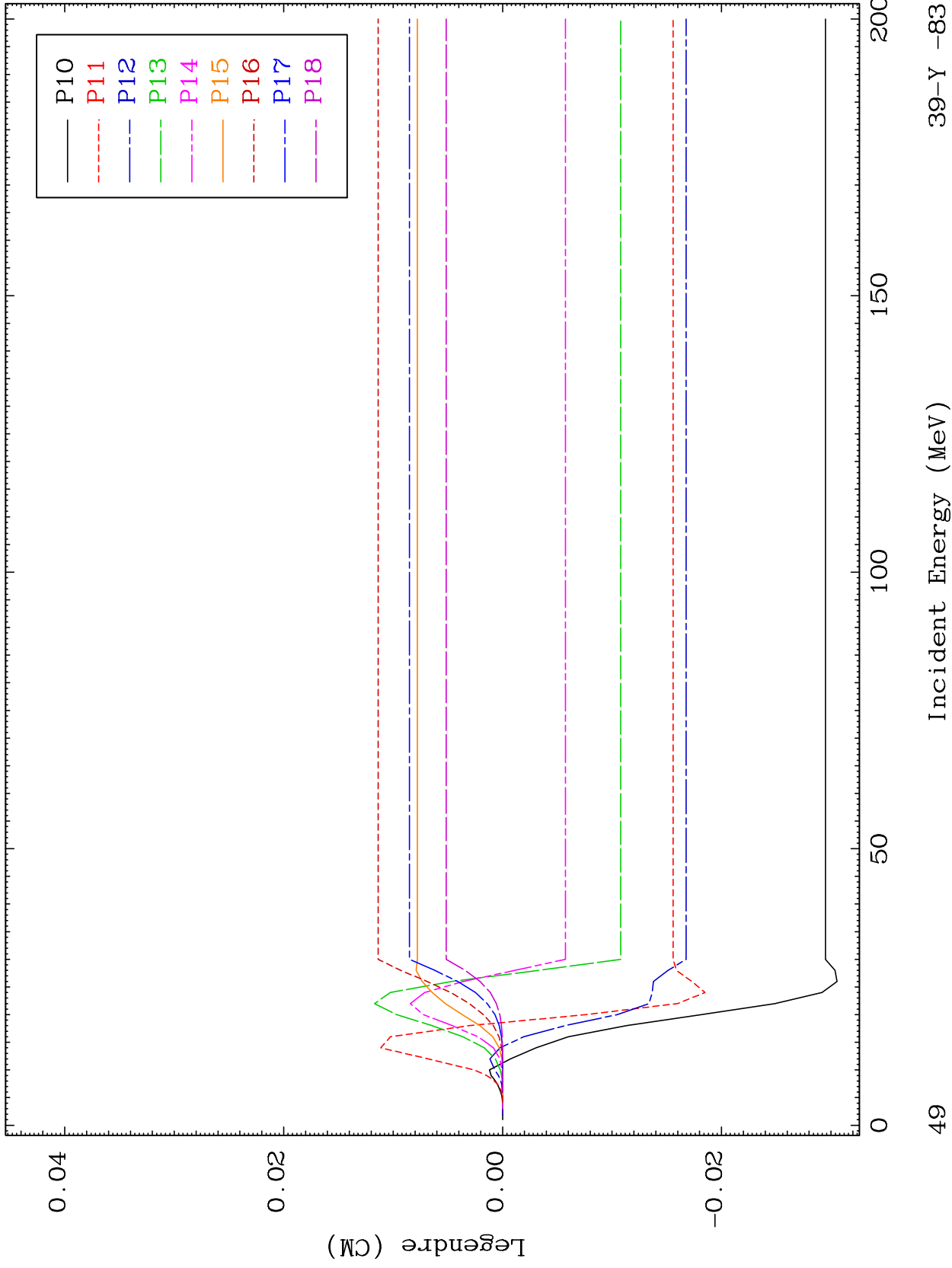
Incident Energy (MeV)

48

MAT 3907

537.1 keV (n,n') Level
Legendre Coefficients

39-Y -83



49

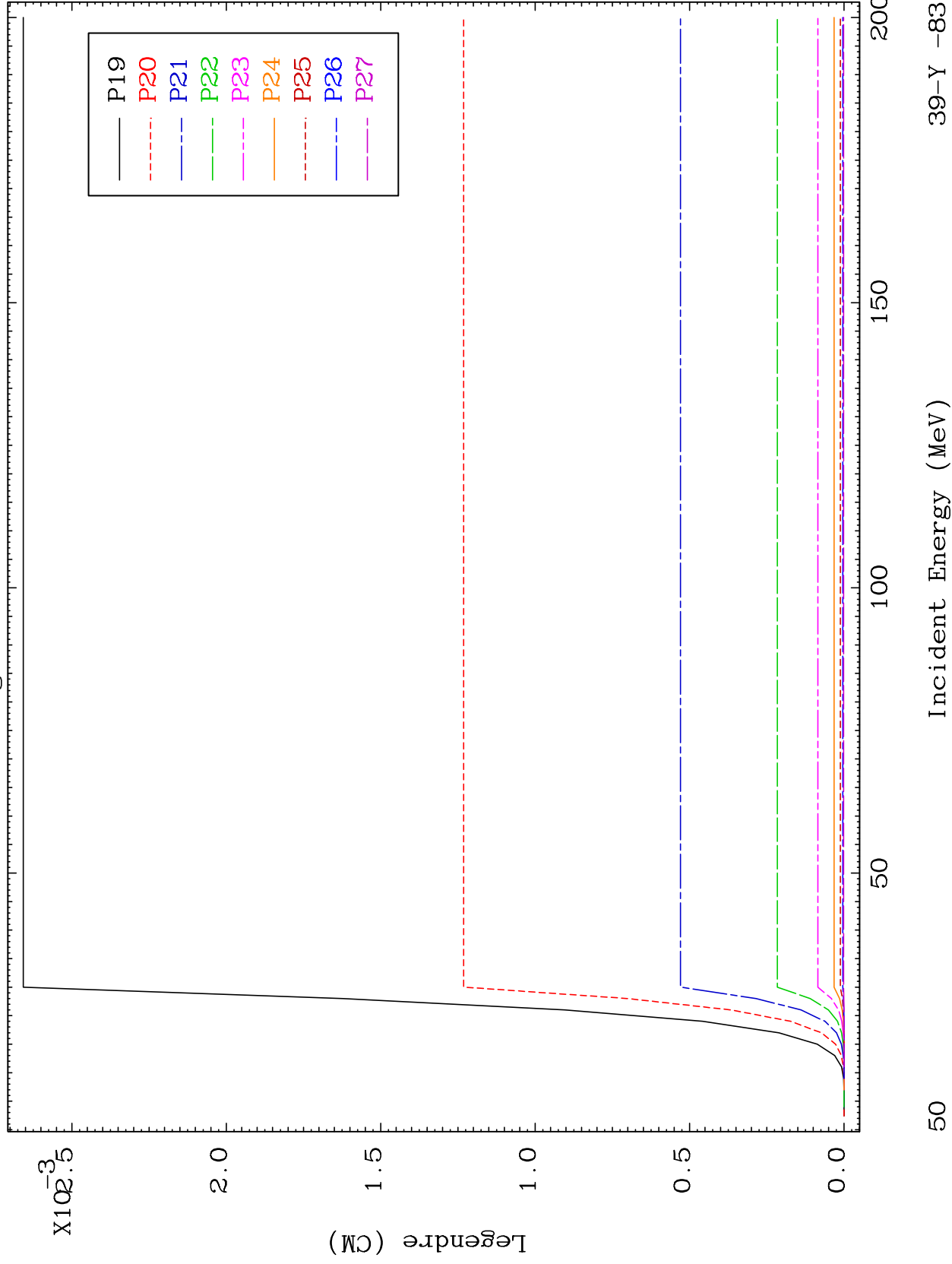
Incident Energy (MeV)

39-Y -83

MAT 3907

537.1 keV (n,n') Level Legendre Coefficients

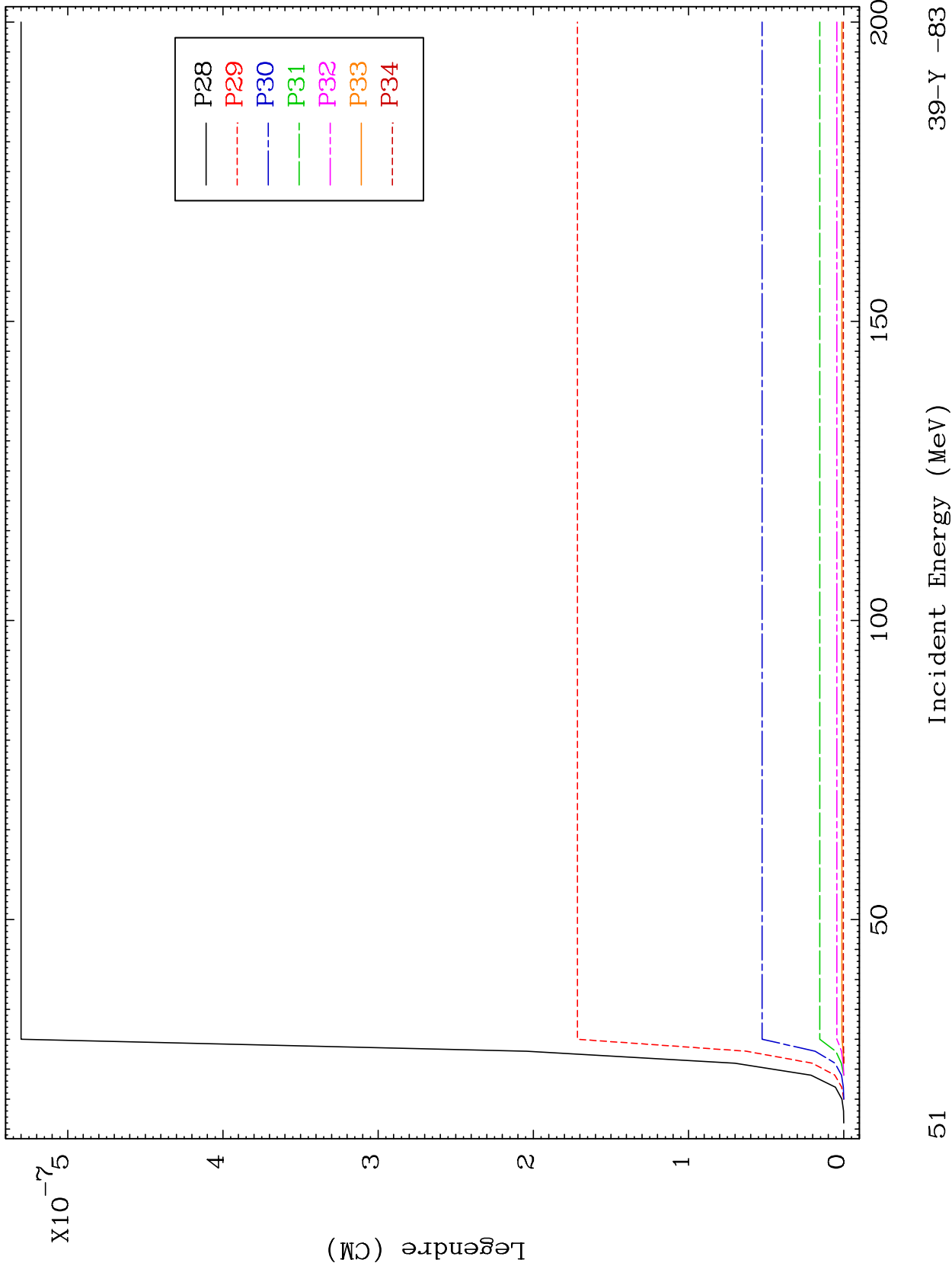
39-Y -83



50

Incident Energy (MeV)

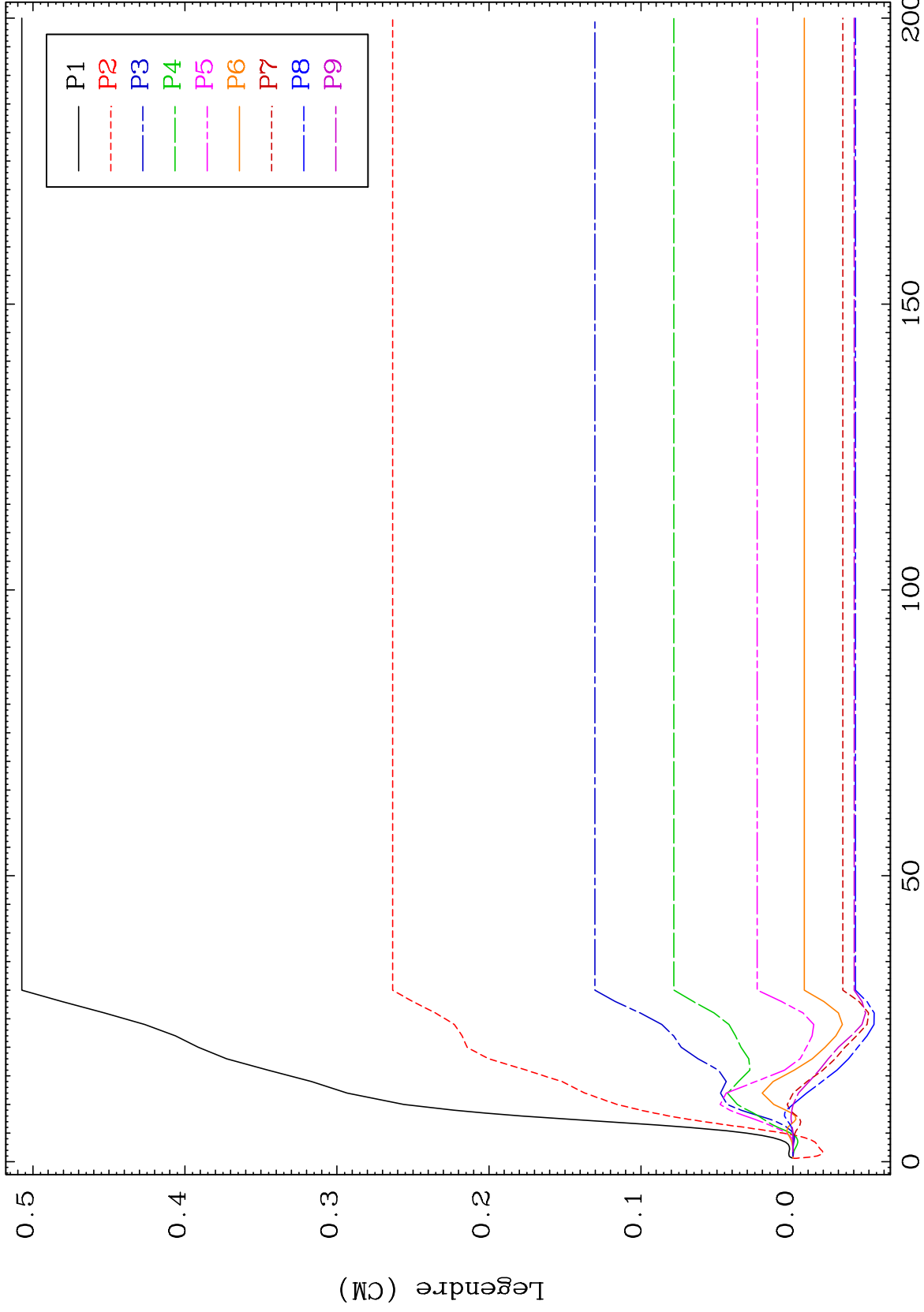
39-Y -83



MAT 3907

564.5 keV (n,n') Level
Legendre Coefficients

39-Y -83



52

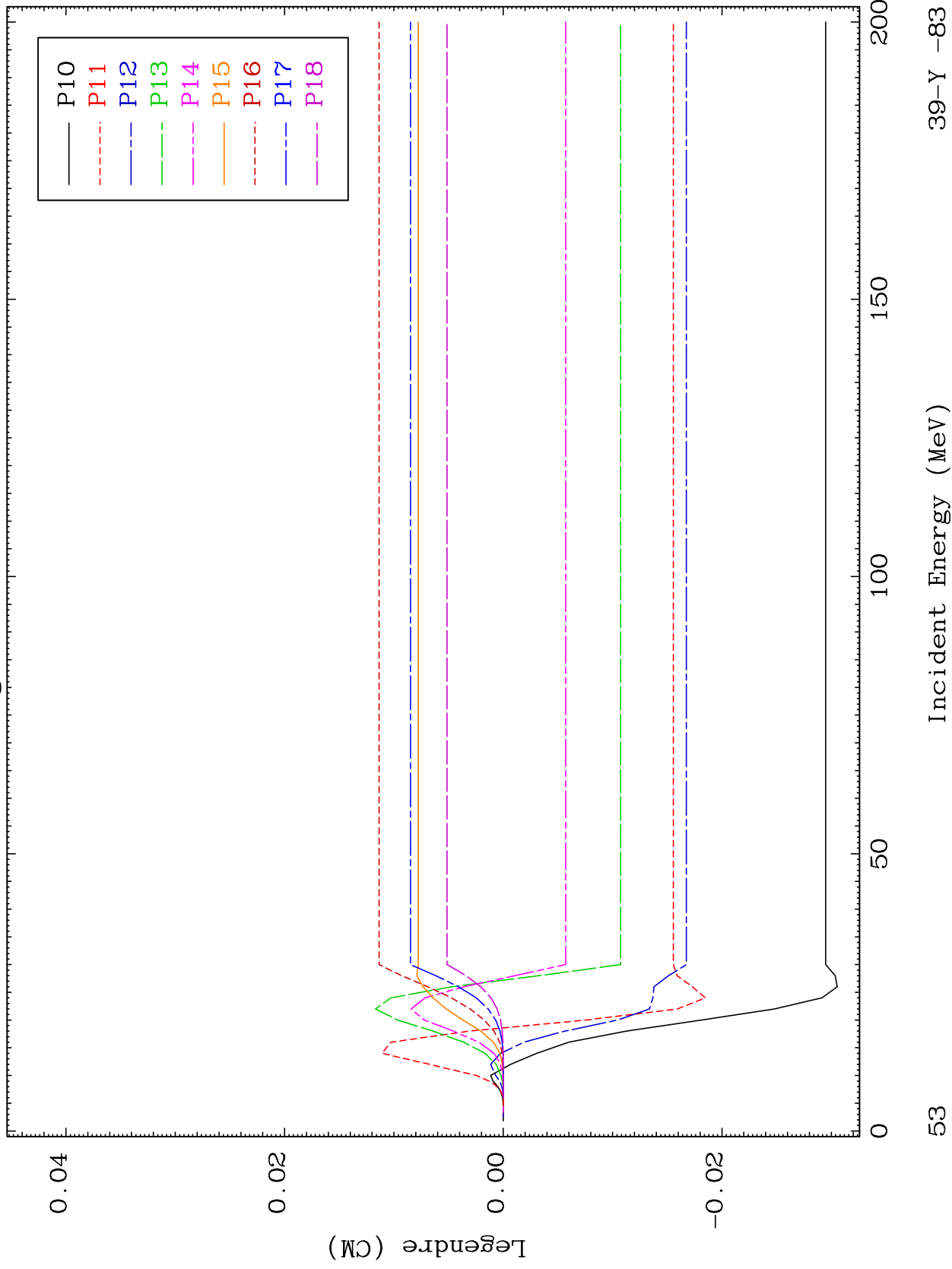
Incident Energy (MeV)

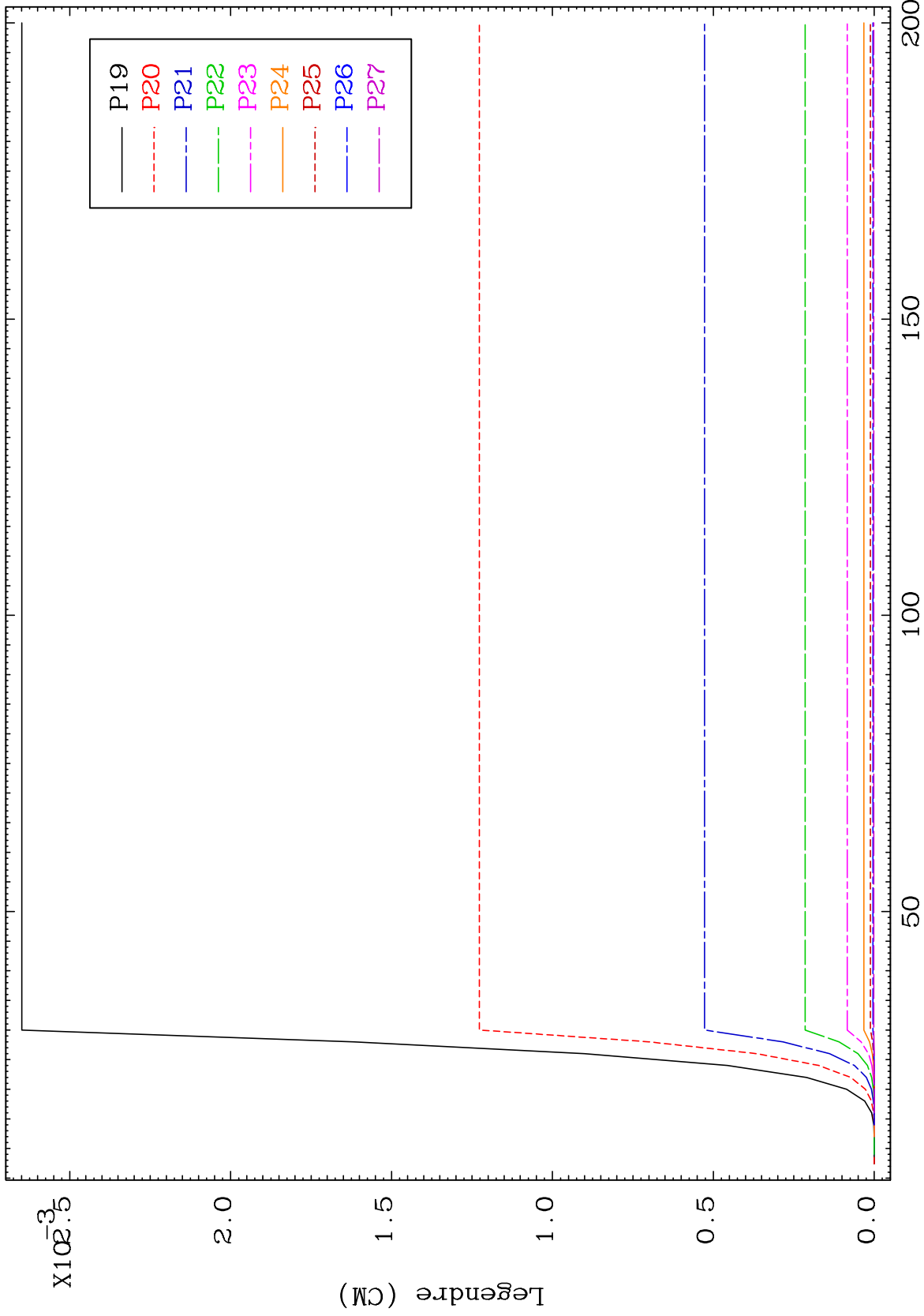
39-Y -83

MAT 3907

564.5 keV (n,n') Level
Legendre Coefficients

39-Y -83

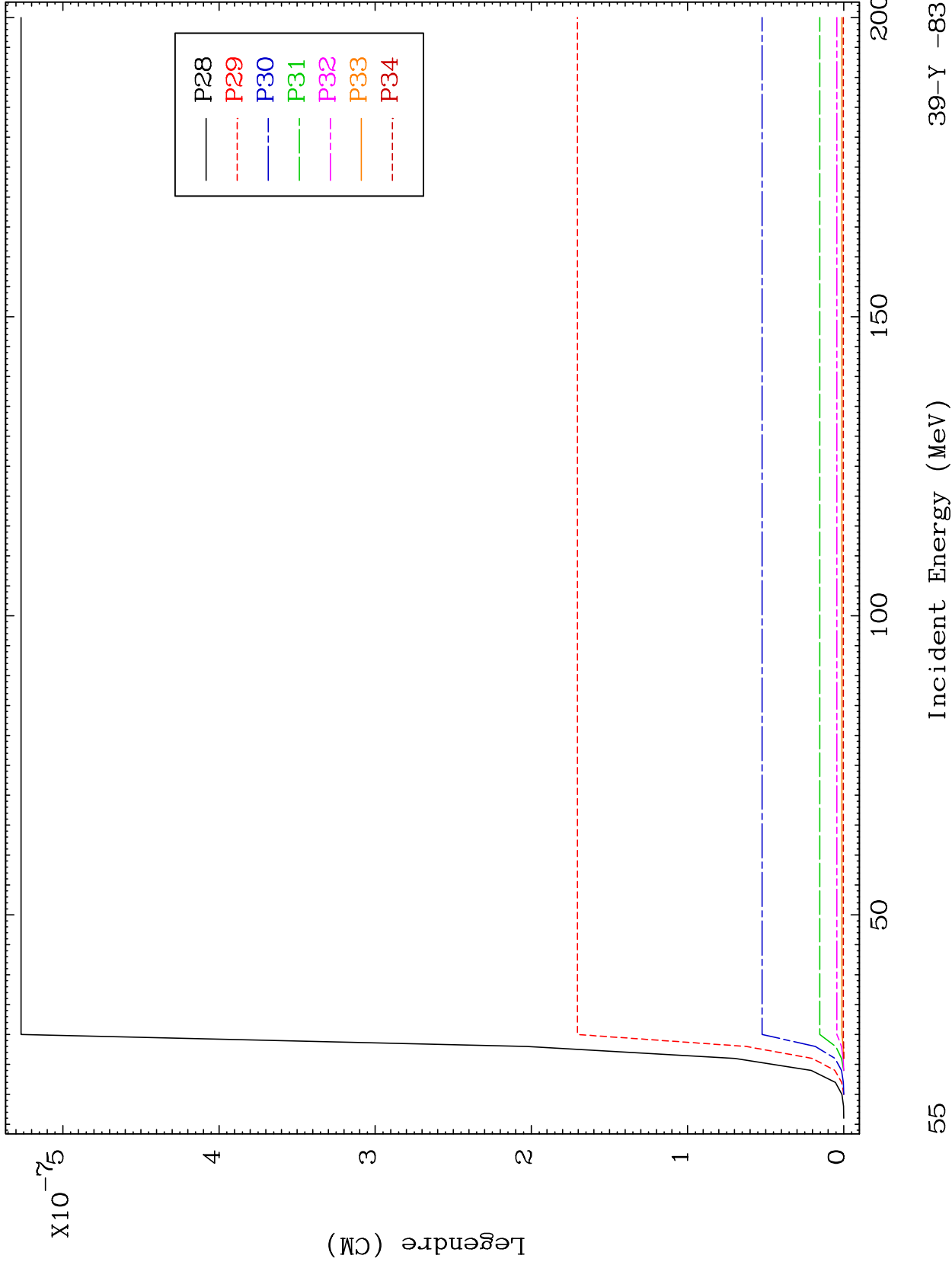




MAT 3907

564.5 keV (n,n') Level
Legendre Coefficients

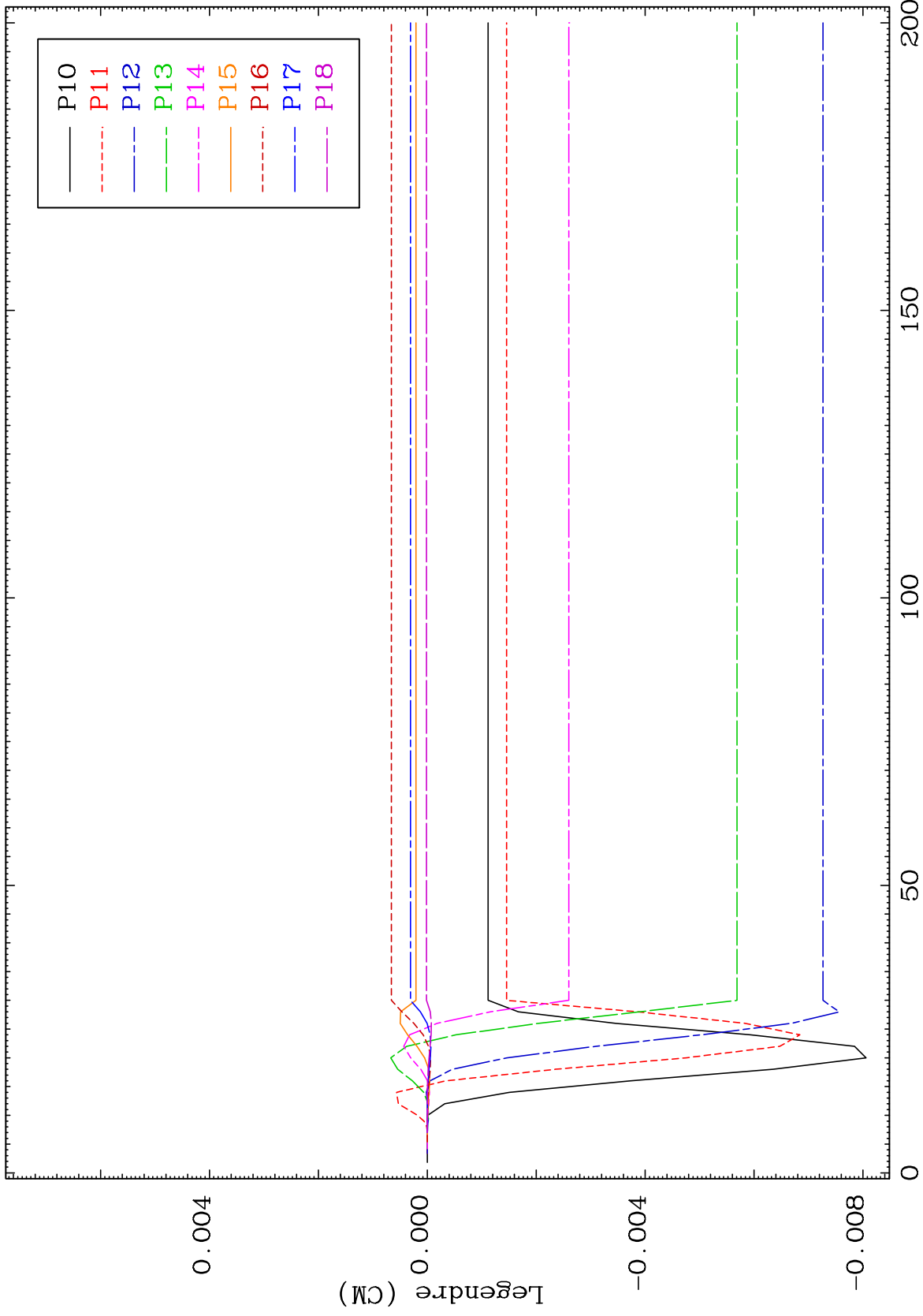
39-Y -83



MAT 3907

568.0 keV (n,n') Level
Legendre Coefficients

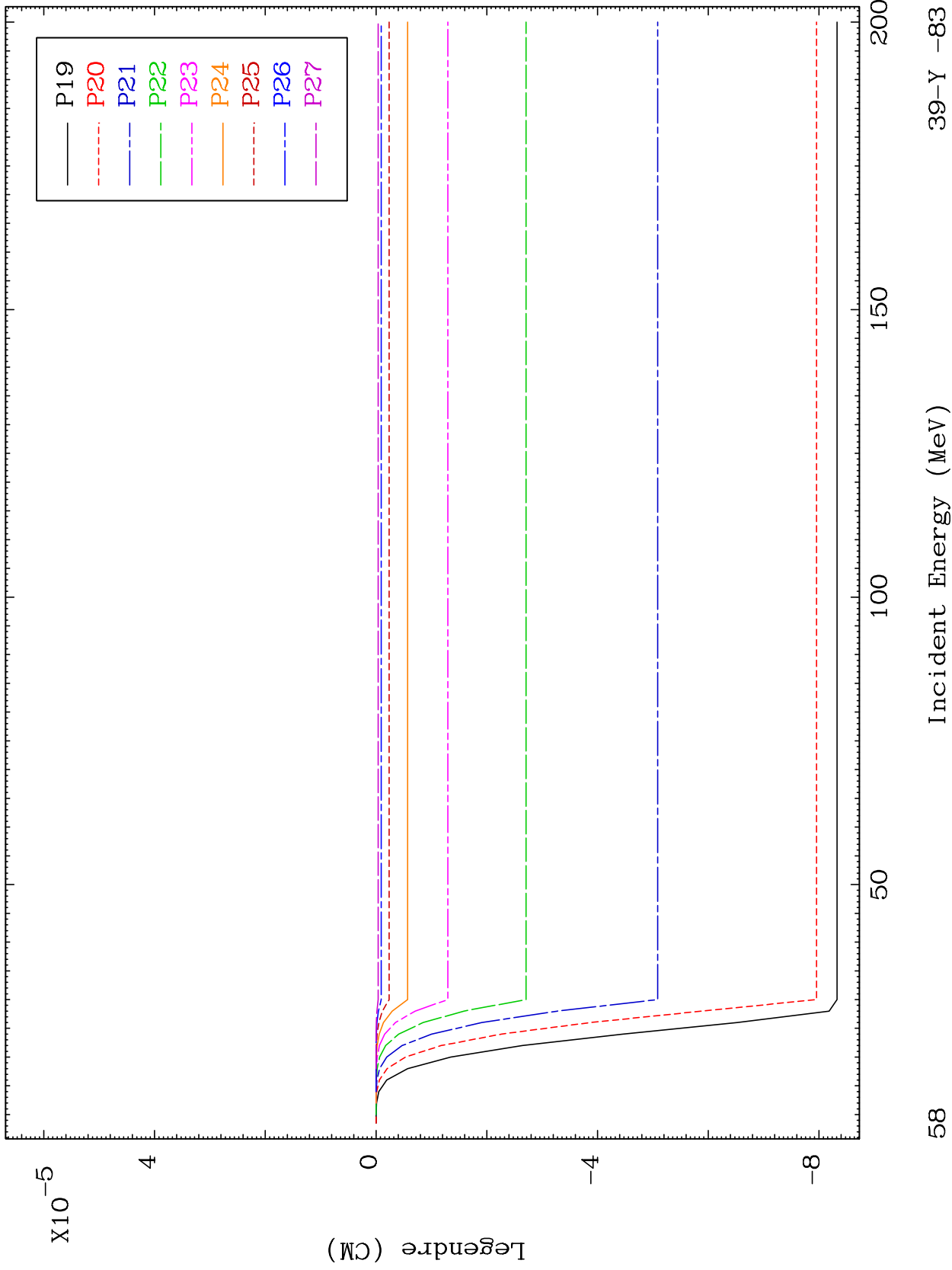
39-Y -83

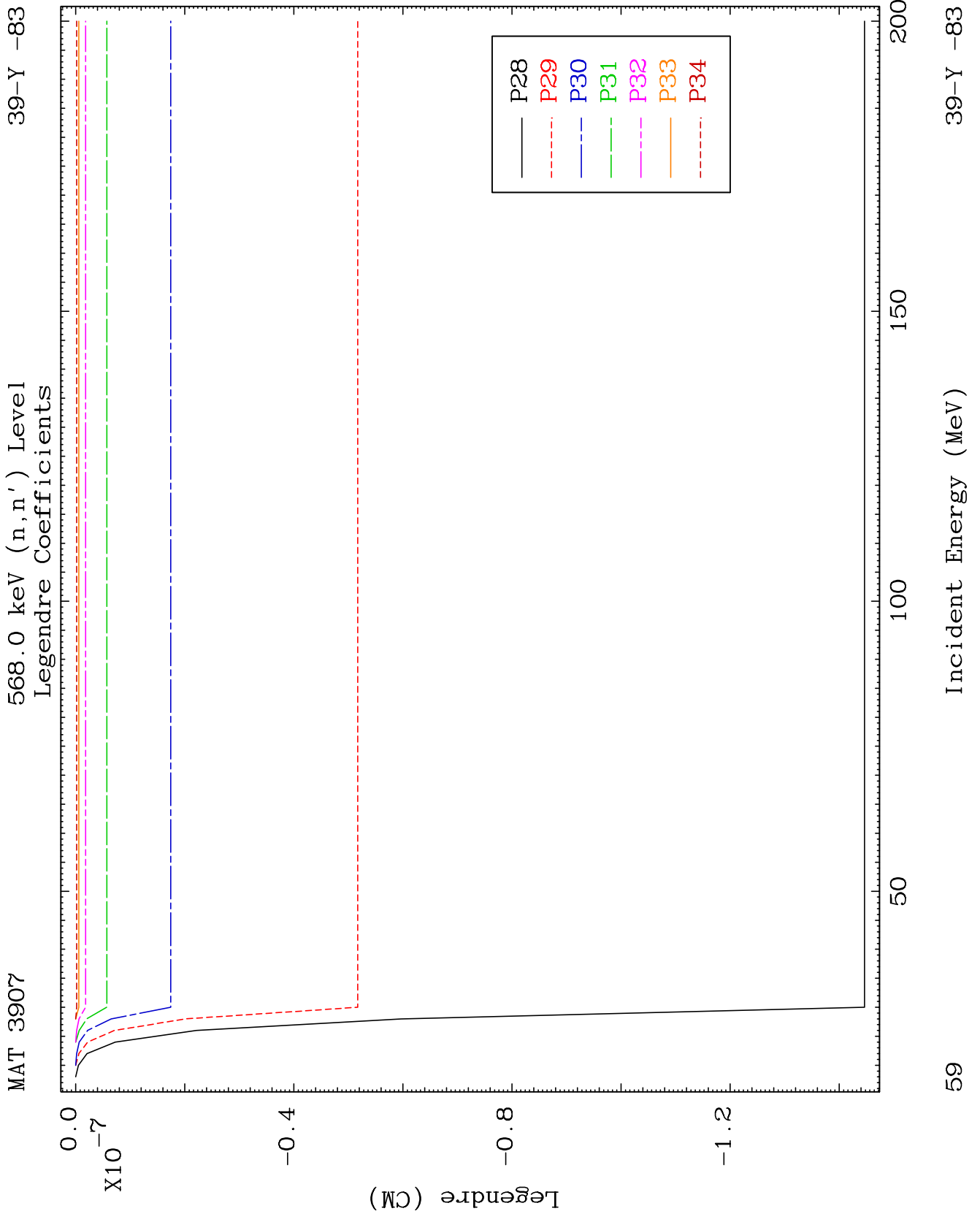


57

Incident Energy (MeV)

39-Y -83

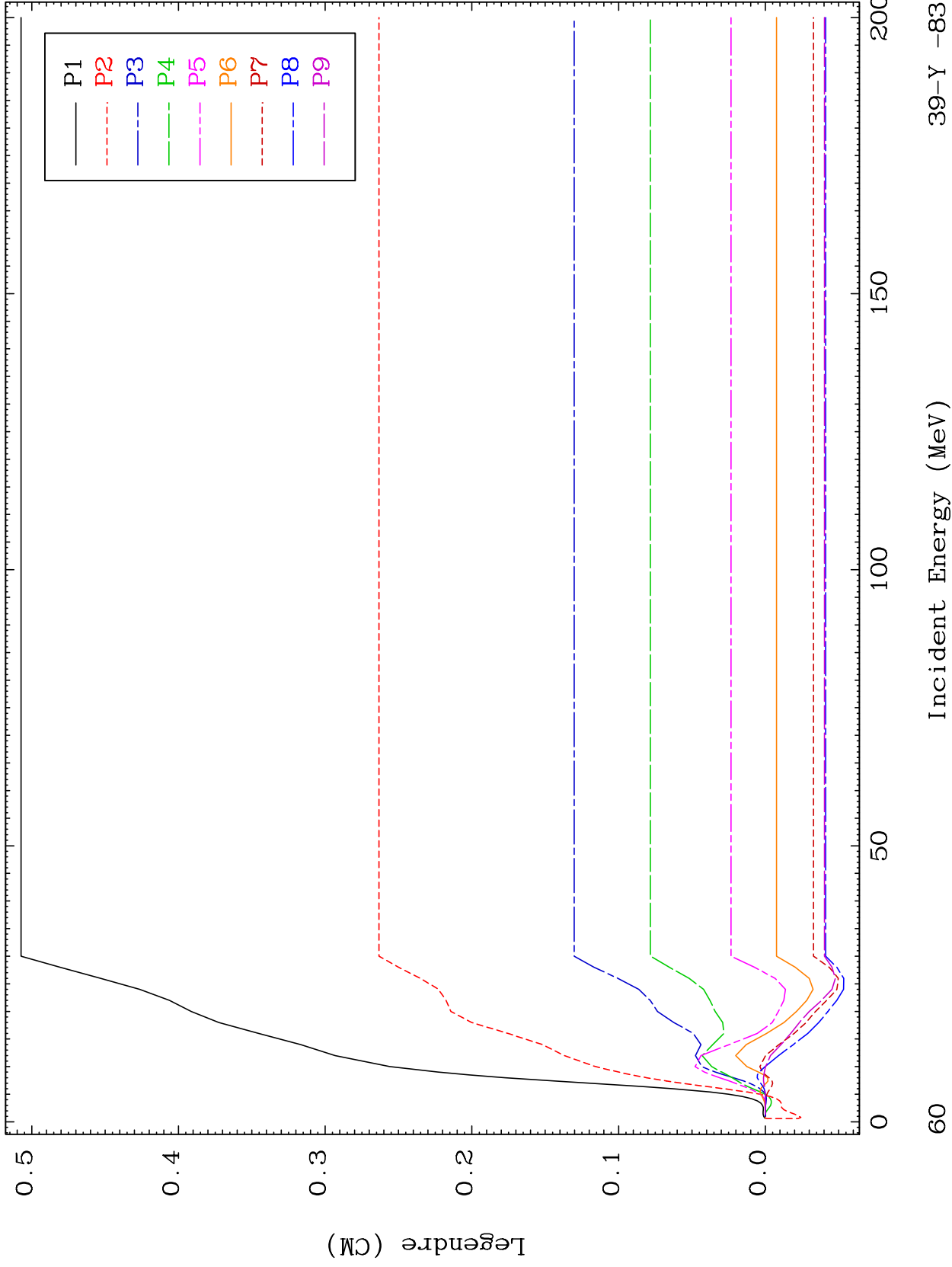




MAT 3907

570.6 keV (n,n') Level
Legendre Coefficients

39-Y -83

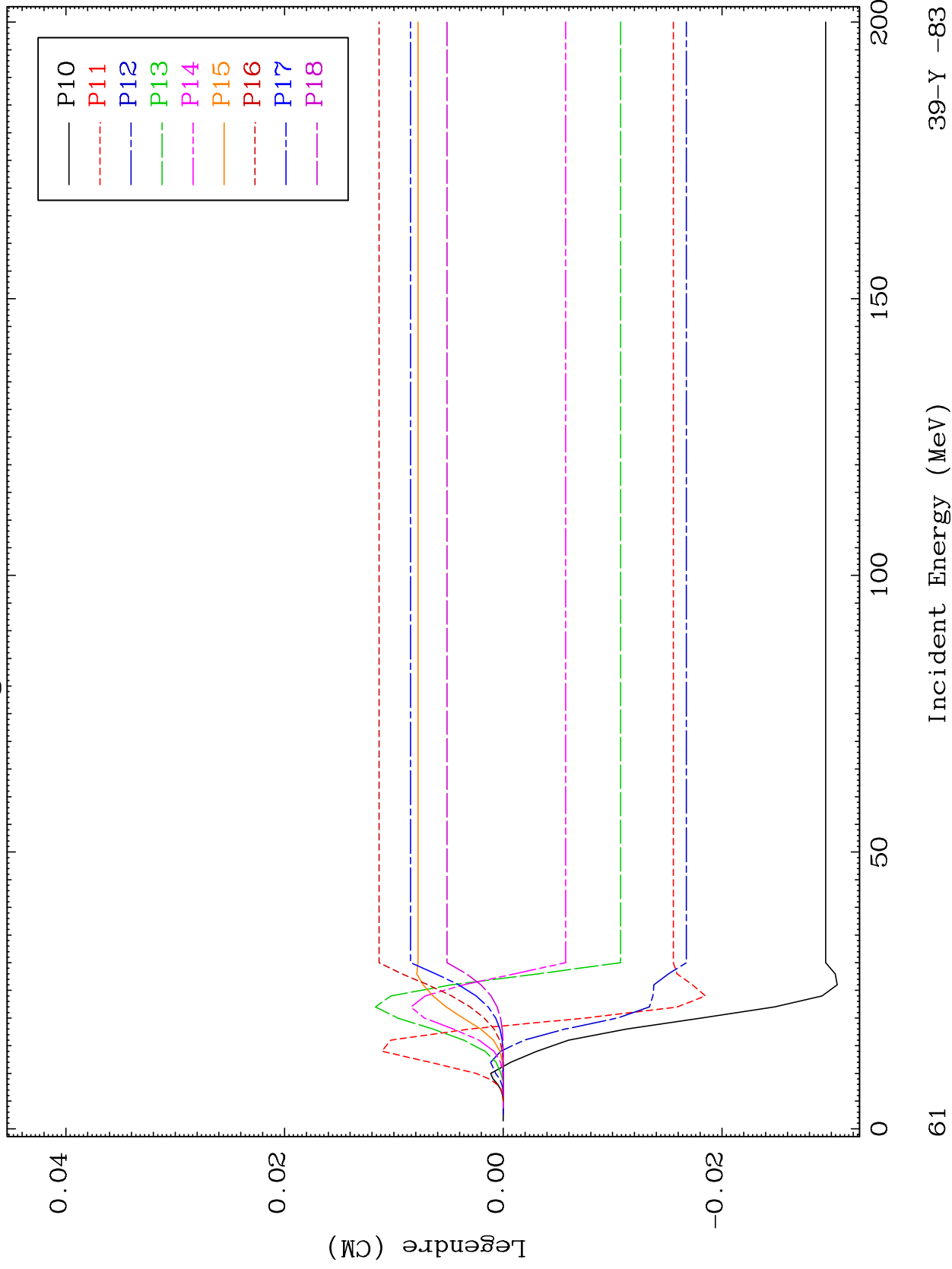


39-Y -83

MAT 3907

570.6 keV (n,n') Level
Legendre Coefficients

39-Y -83



61

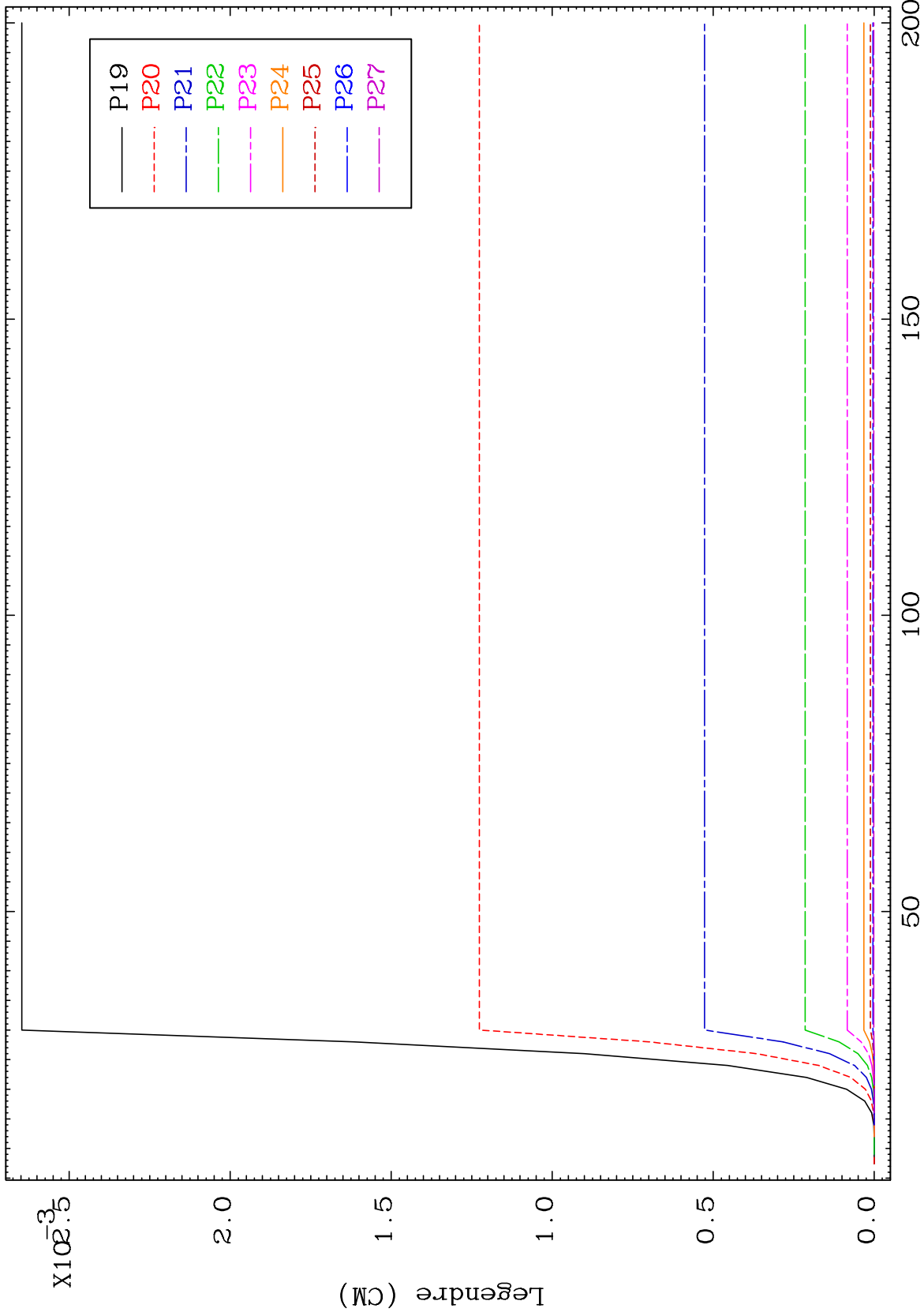
Incident Energy (MeV)

39-Y -83

MAT 3907

570.6 keV (n,n') Level Legendre Coefficients

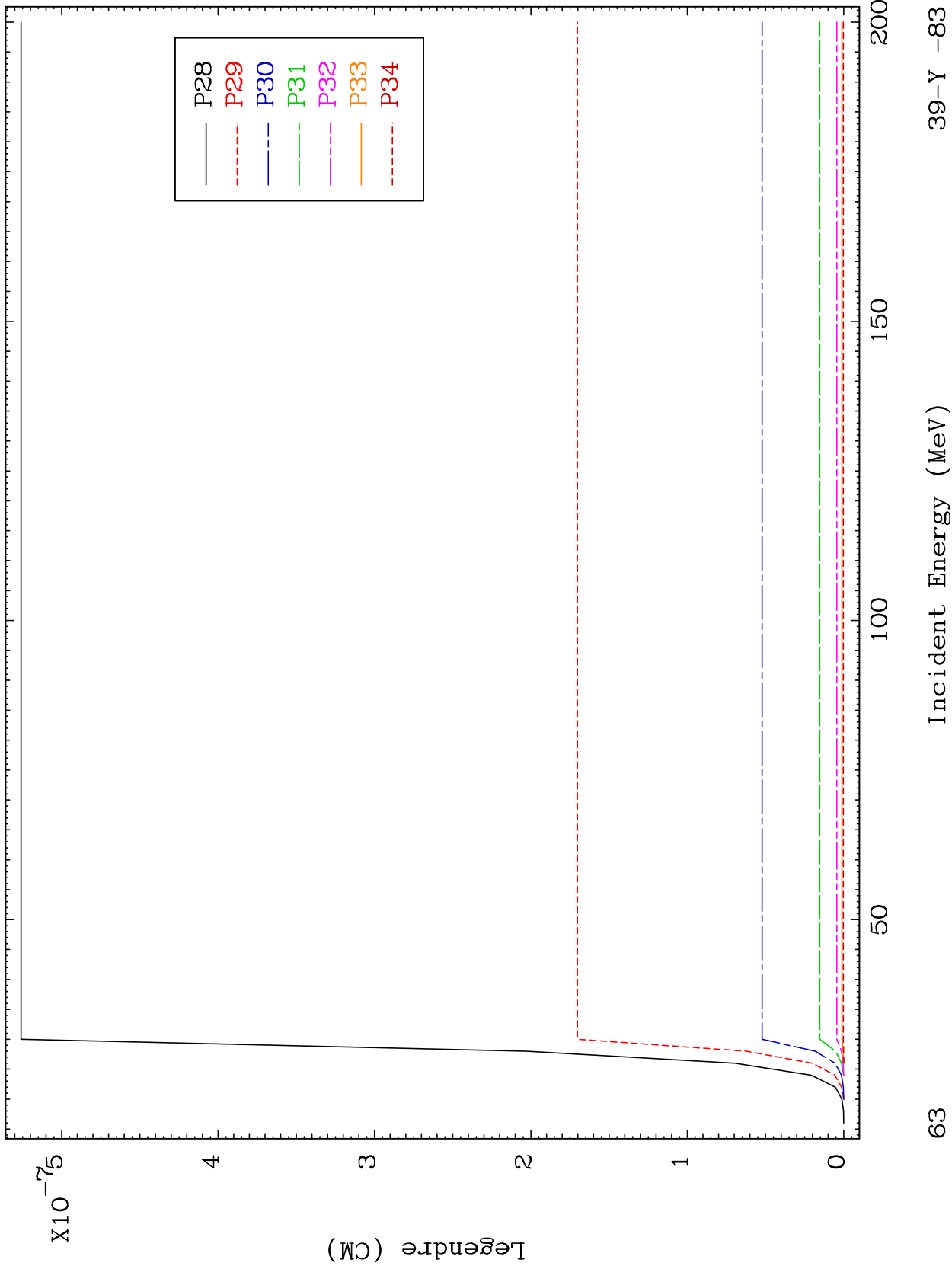
39-Y -83



62

Incident Energy (MeV)

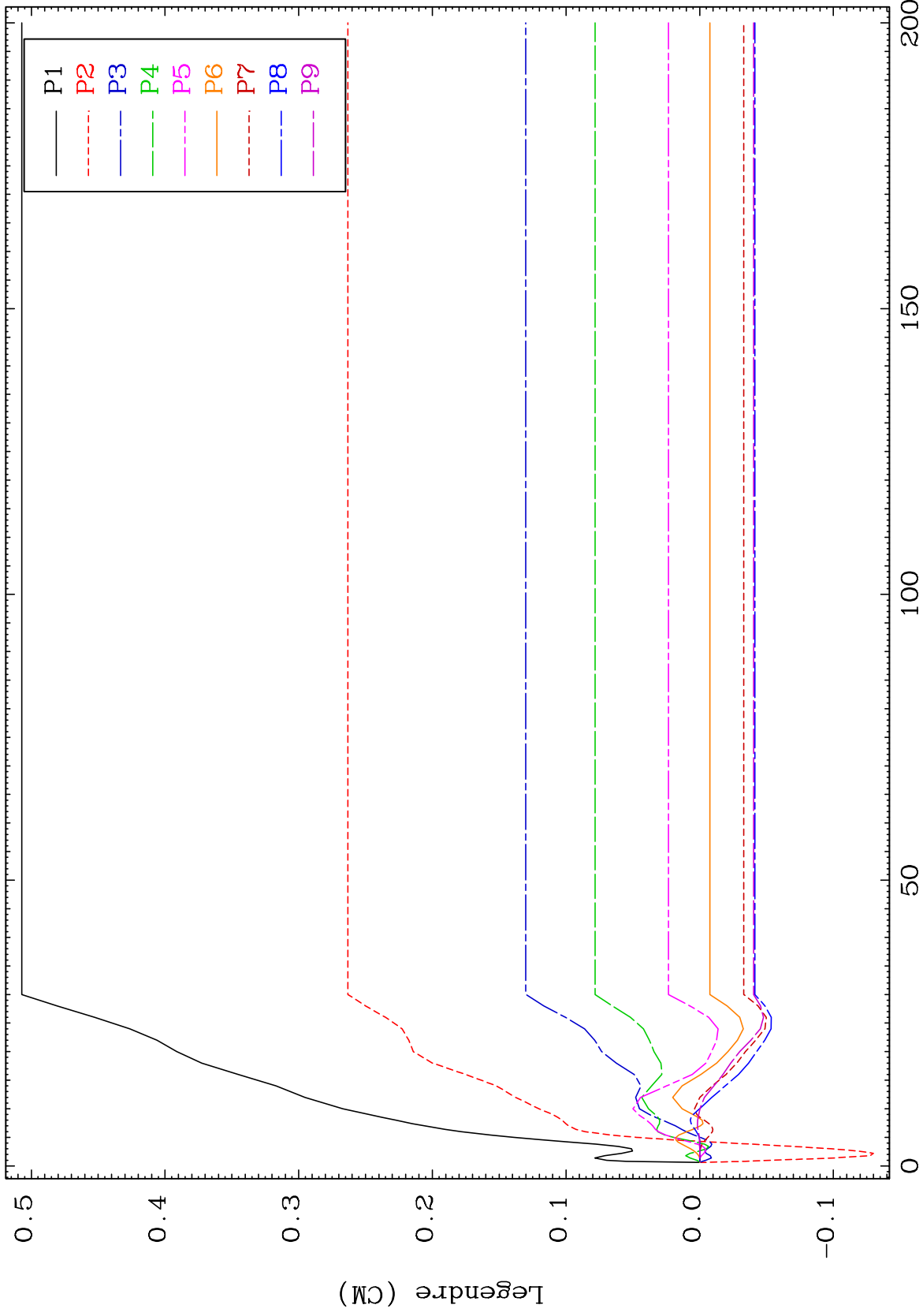
39-Y -83



MAT 3907

595.0 keV (n,n') Level
Legendre Coefficients

39-Y -83



64

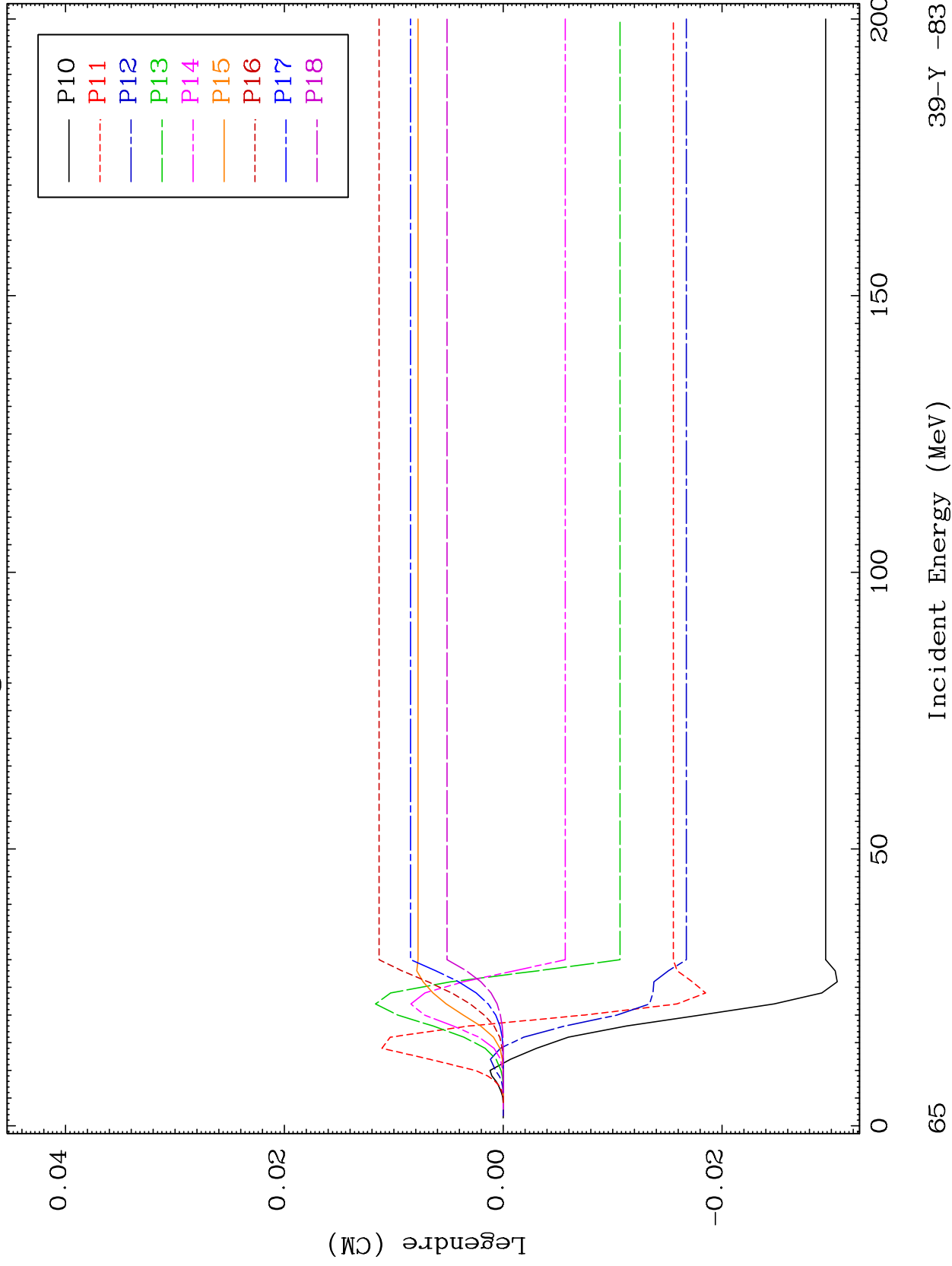
Incident Energy (MeV)

39-Y -83

MAT 3907

595.0 keV (n,n') Level
Legendre Coefficients

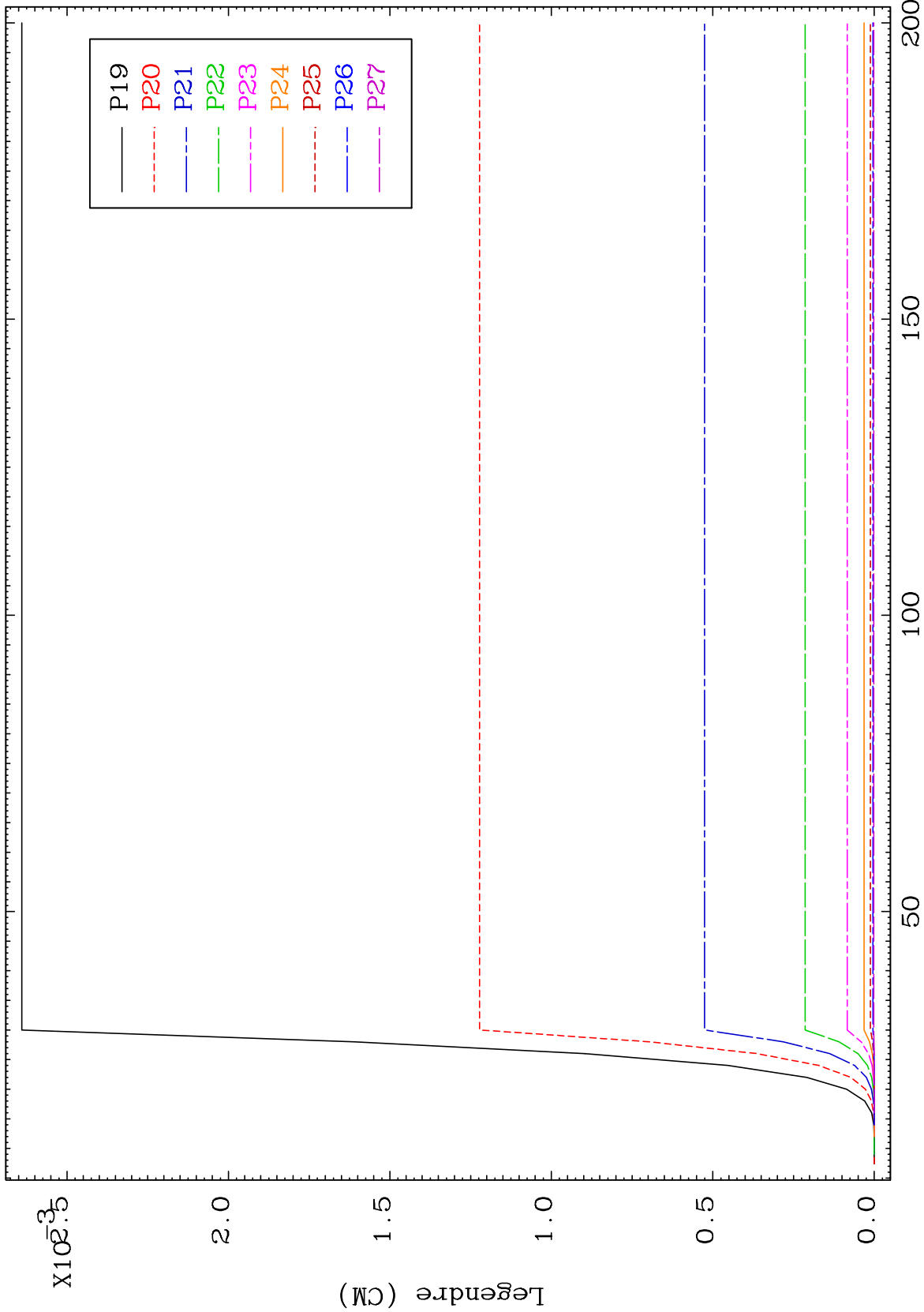
39-Y -83



39-Y -83

Incident Energy (MeV)

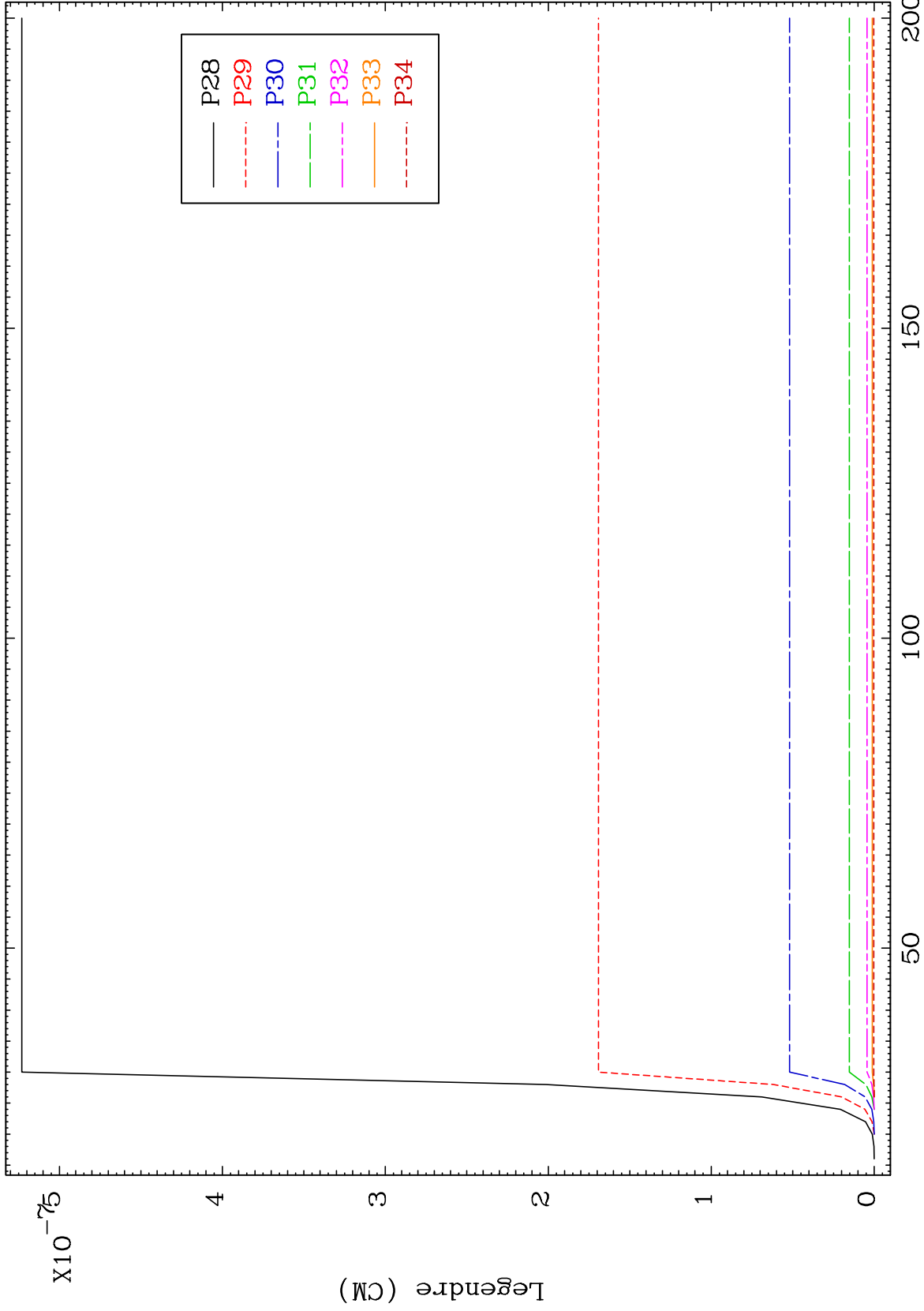
65



MAT 3907

595.0 keV (n,n') Level
Legendre Coefficients

39-Y -83



67

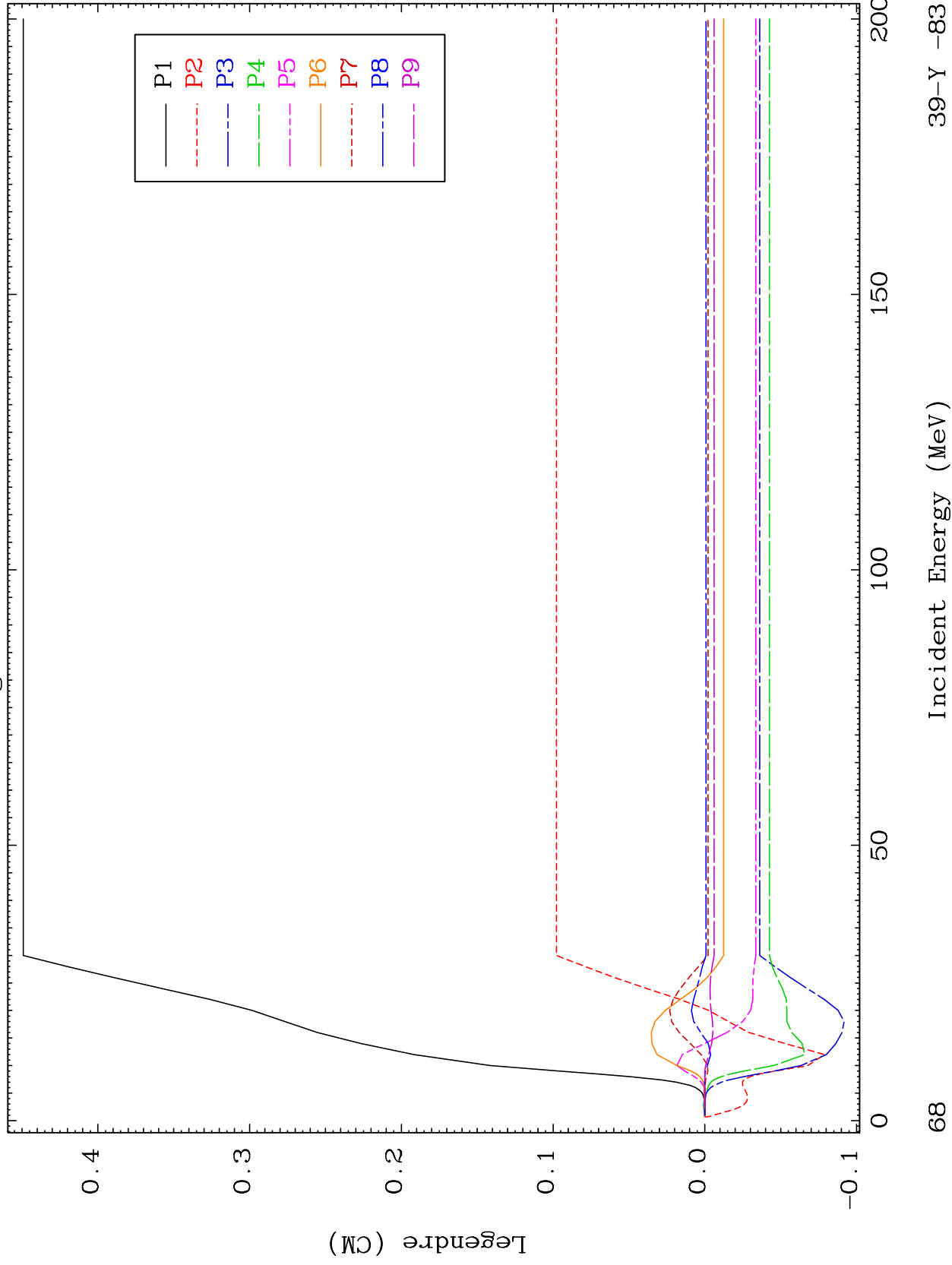
Incident Energy (MeV)

39-Y -83

MAT 3907

642.6 keV (n,n') Level
Legendre Coefficients

39-Y -83



39-Y -83

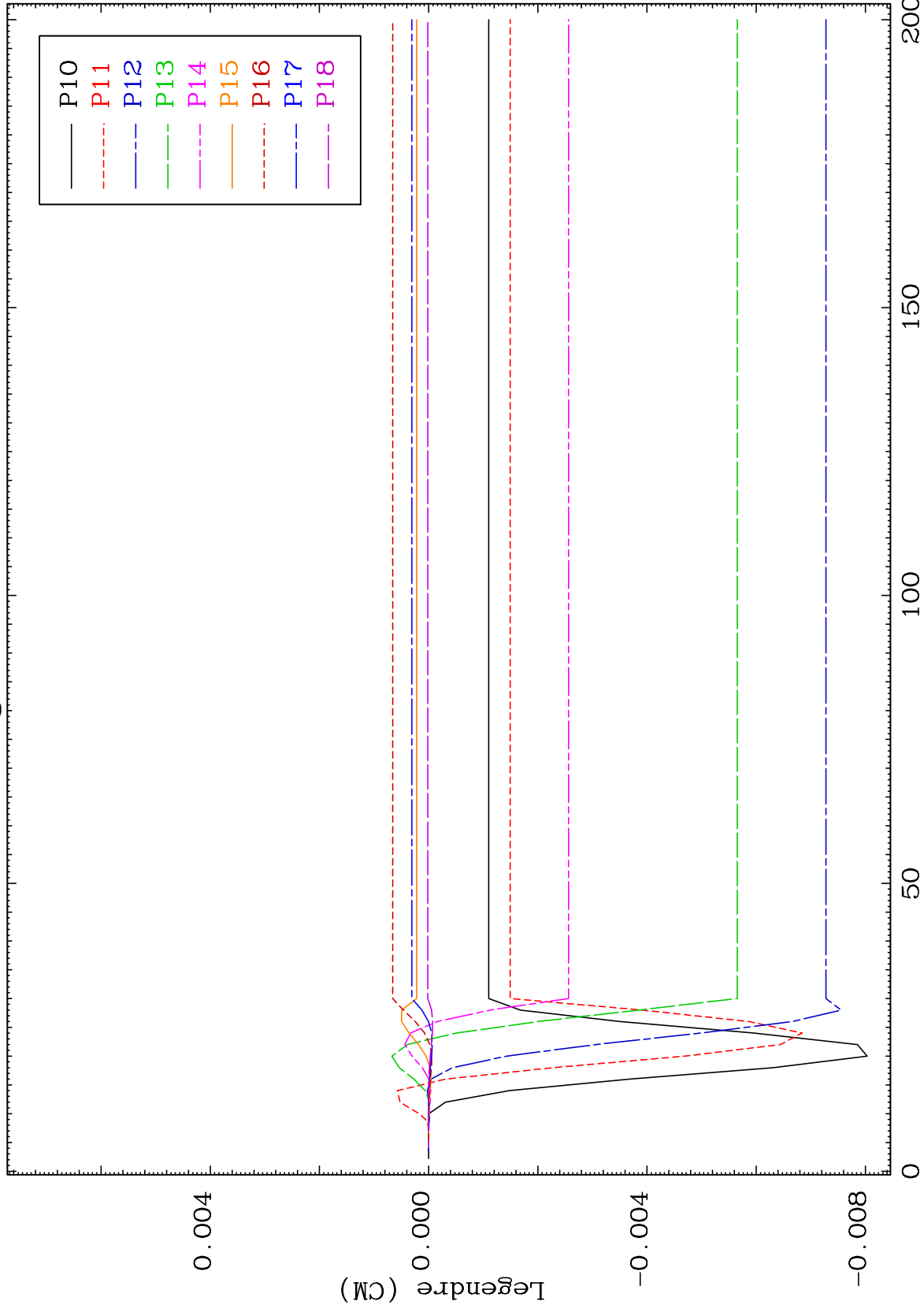
Incident Energy (MeV)

68

MAT 3907

642.6 keV (n,n') Level
Legendre Coefficients

39-Y -83



69

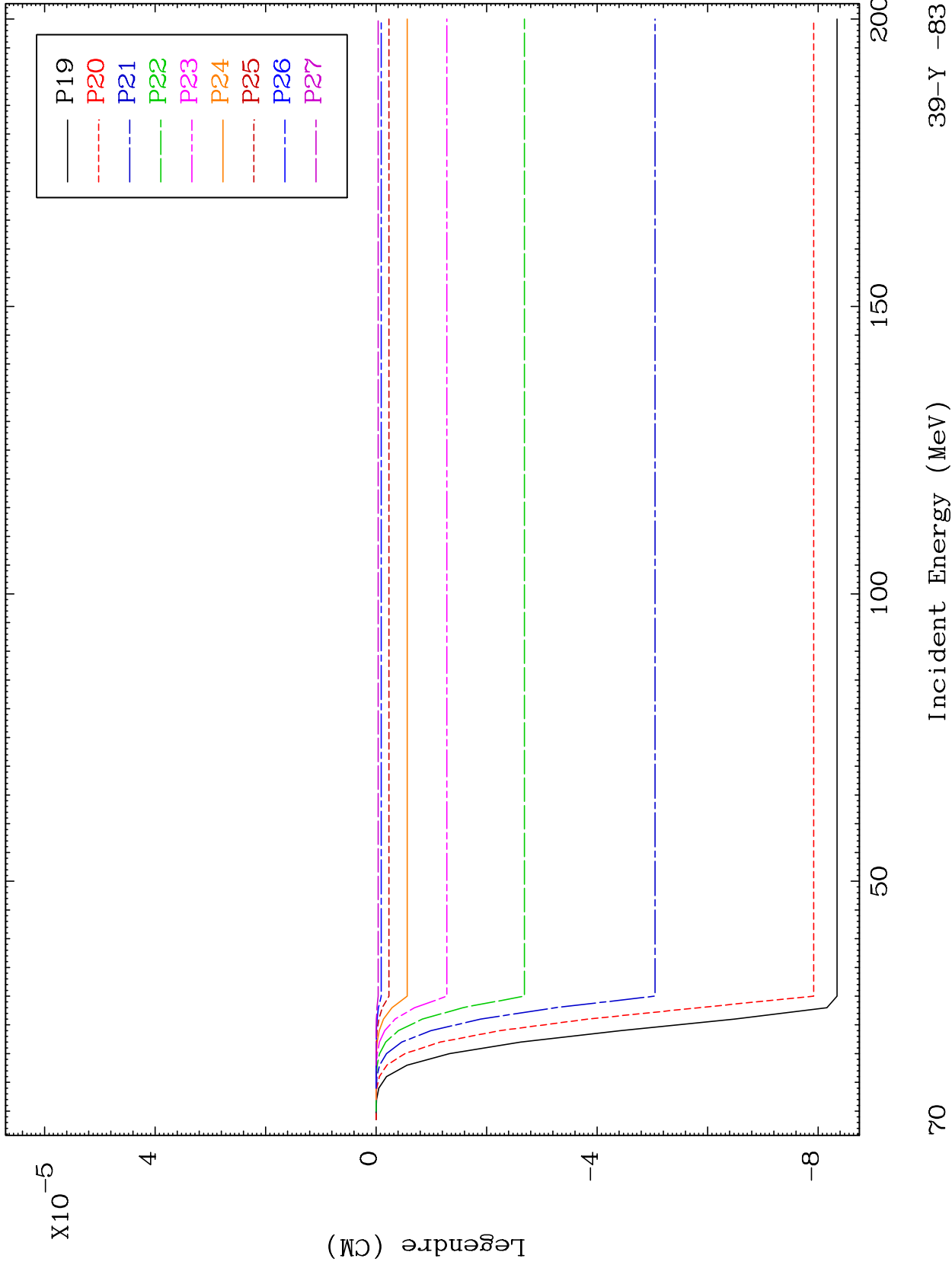
Incident Energy (MeV)

39-Y -83

MAT 3907

642.6 keV (n,n') Level
Legendre Coefficients

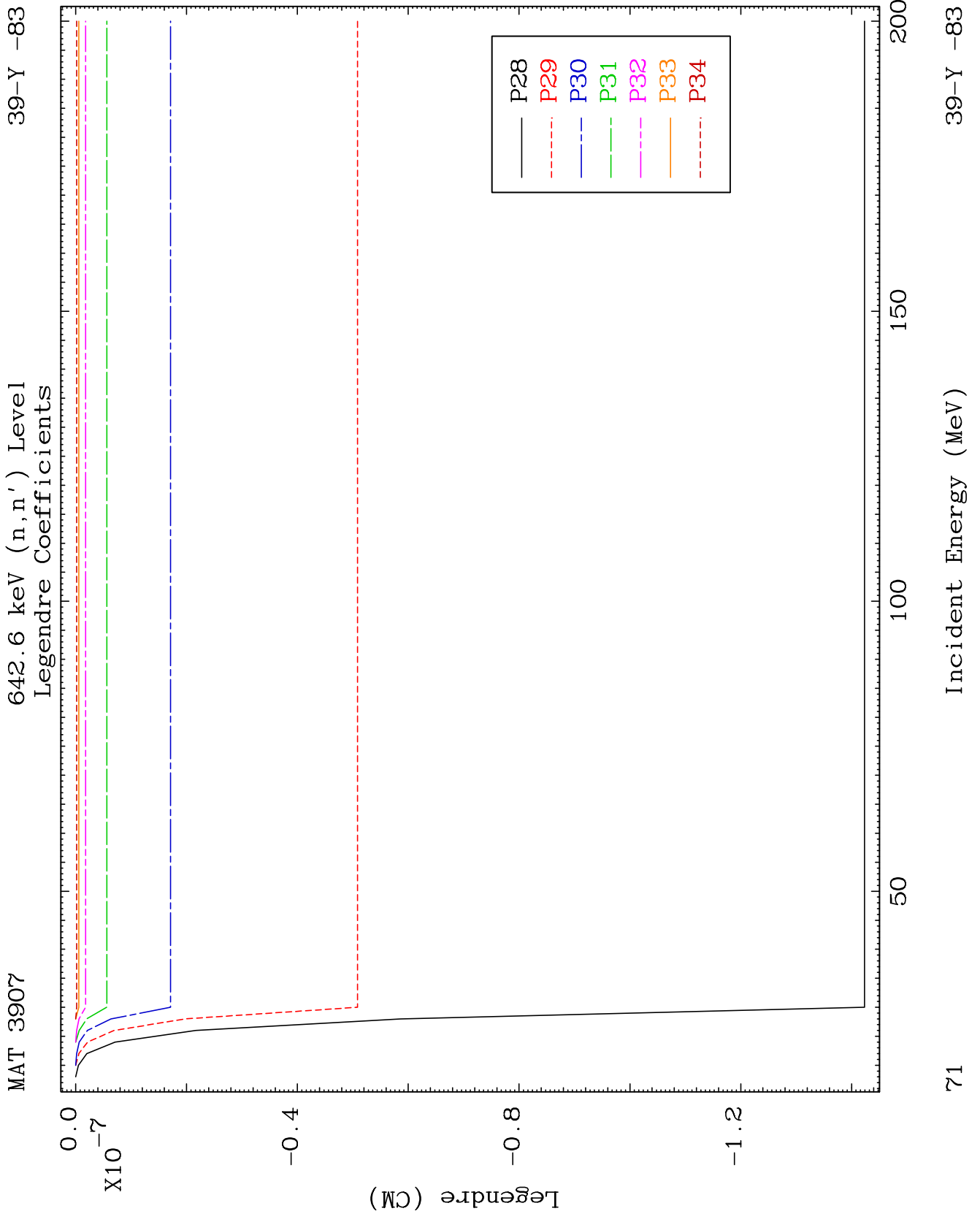
39-Y -83



39-Y -83

Incident Energy (MeV)

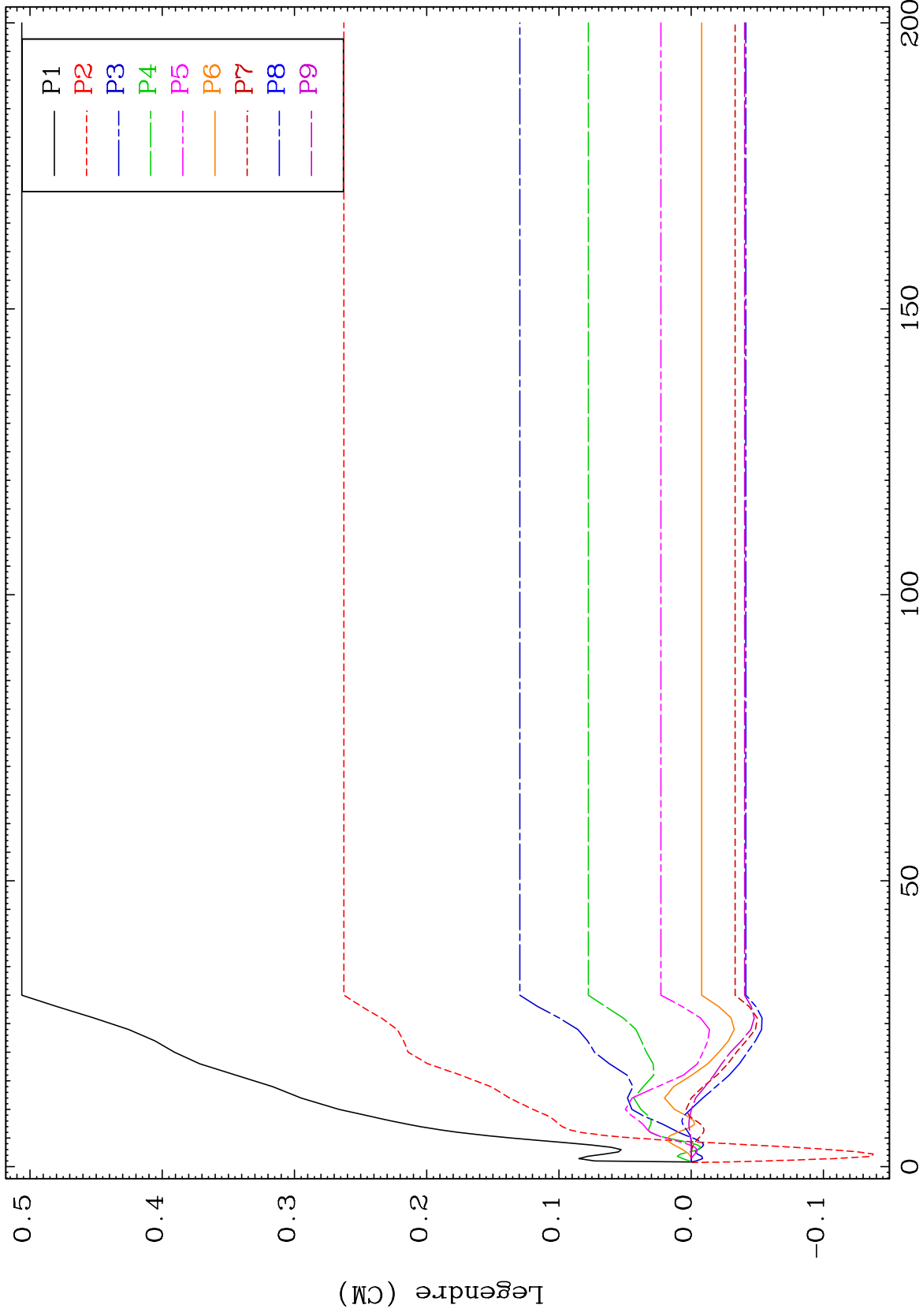
70



MAT 3907

722.3 keV (n,n') Level
Legendre Coefficients

39-Y -83



72

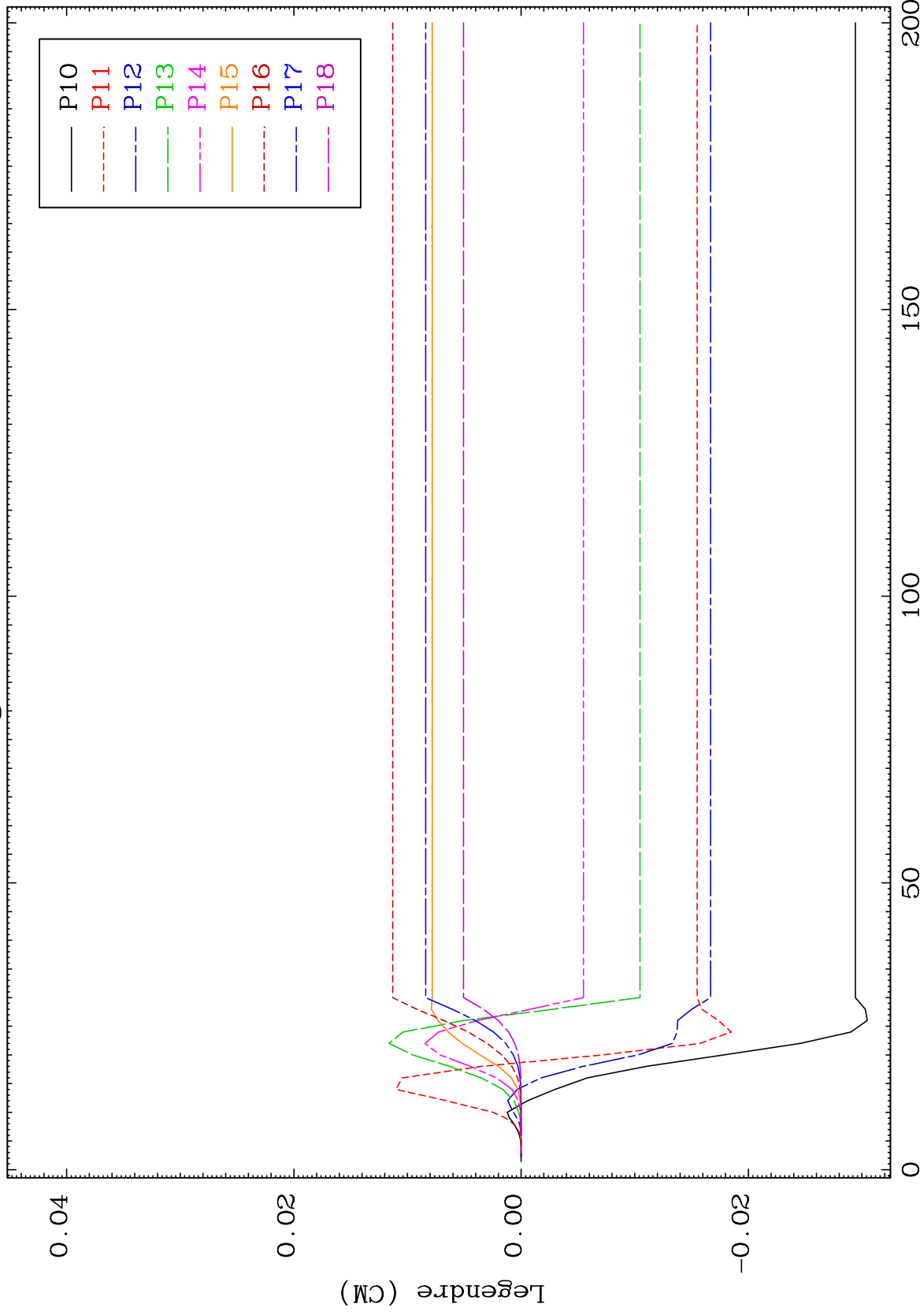
Incident Energy (MeV)

39-Y -83

MAT 3907

722.3 keV (n,n') Level
Legendre Coefficients

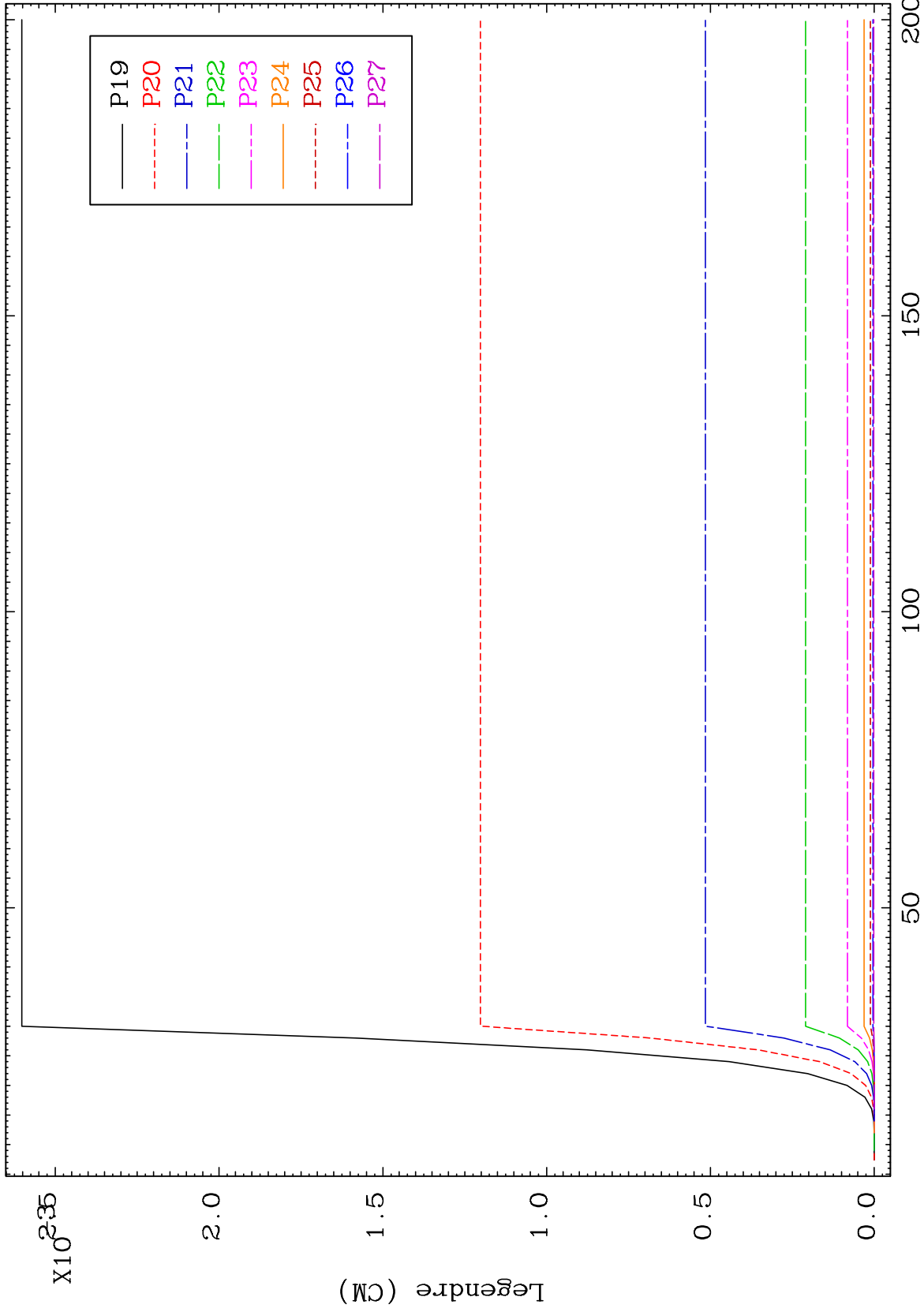
39-Y -83



73

Incident Energy (MeV)

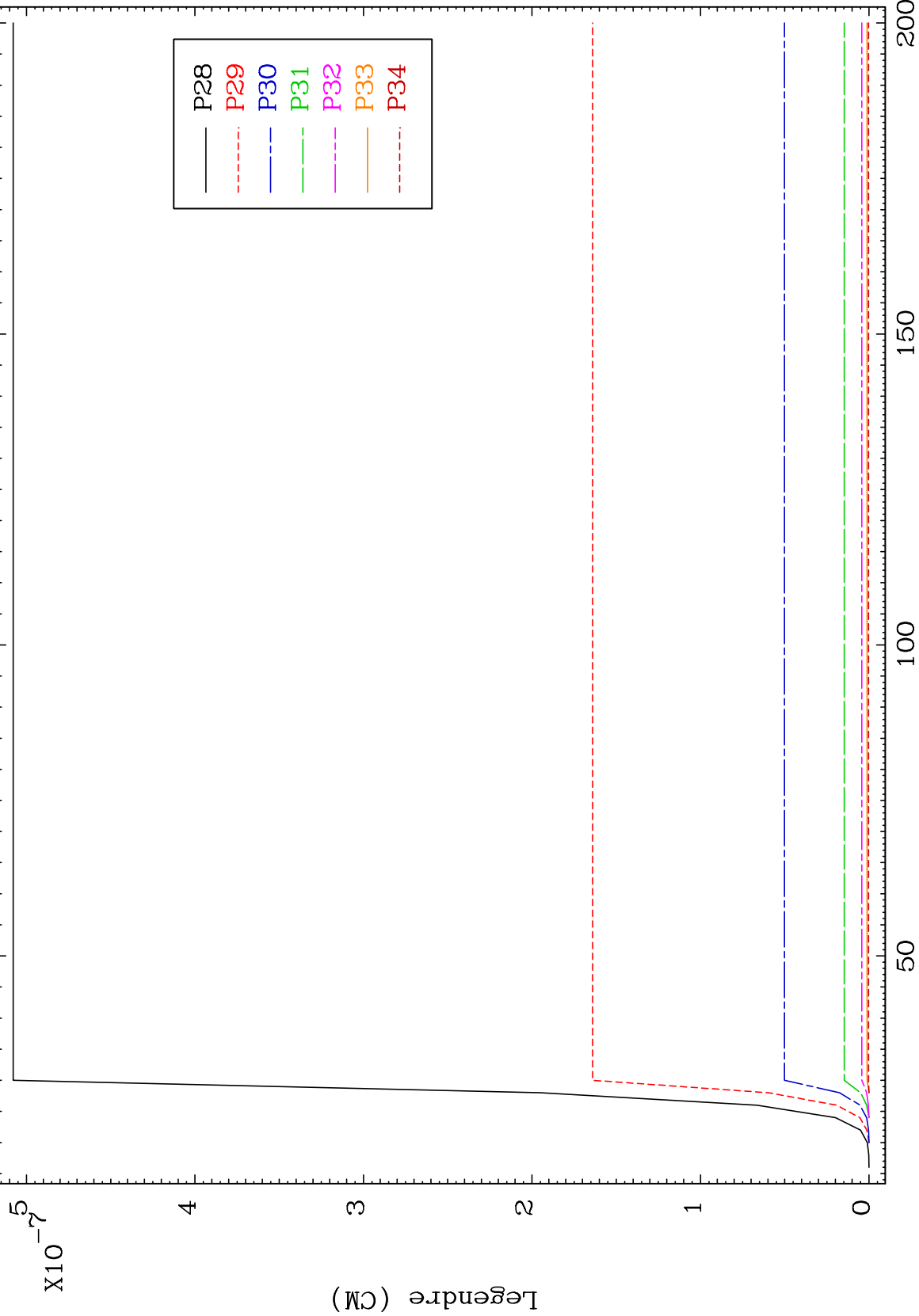
39-Y -83



MAT 3907

722.3 keV (n,n') Level
Legendre Coefficients

39-Y -83



75

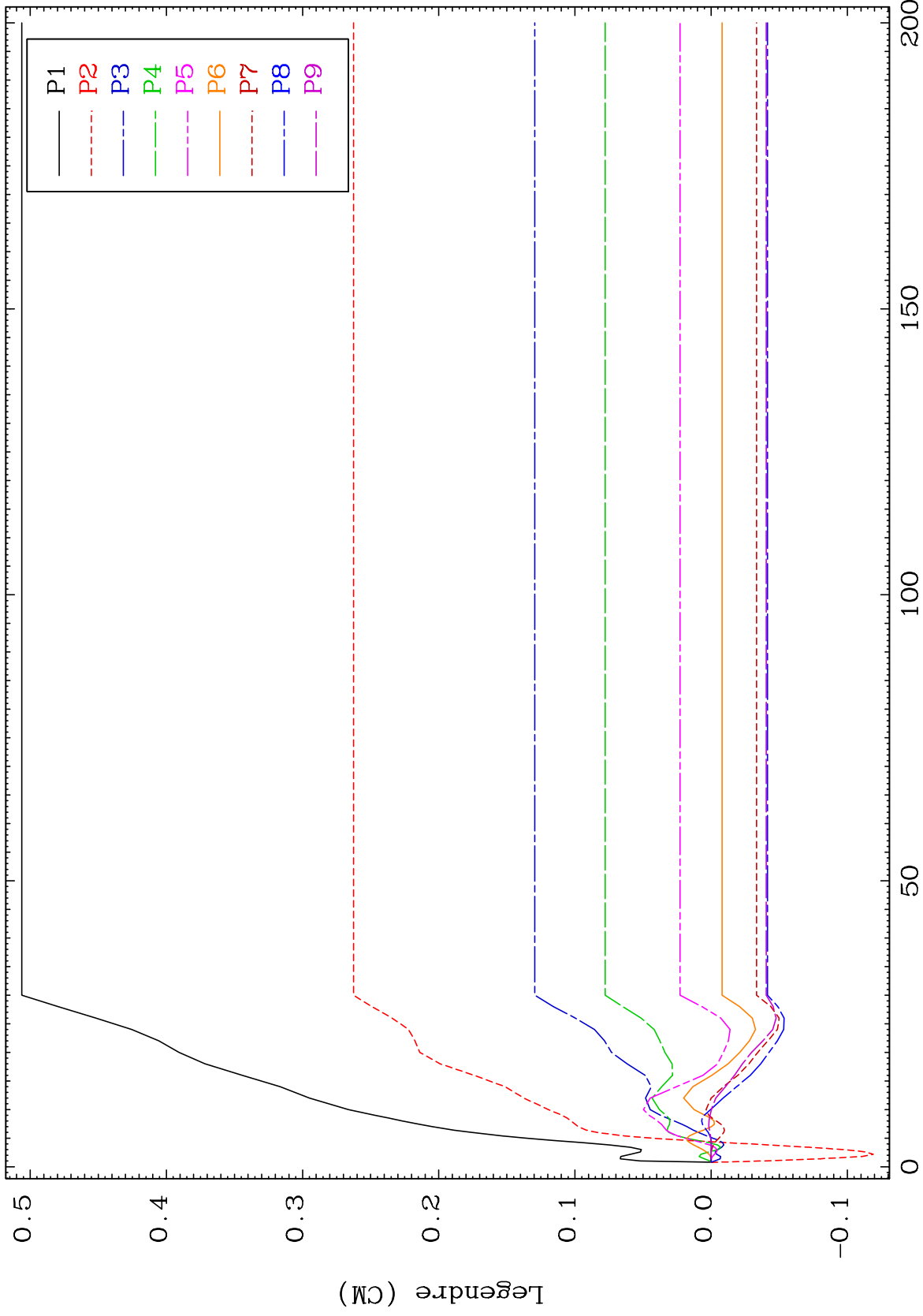
Incident Energy (MeV)

39-Y -83

MAT 3907

736.6 keV (n,n') Level
Legendre Coefficients

39-Y -83



76

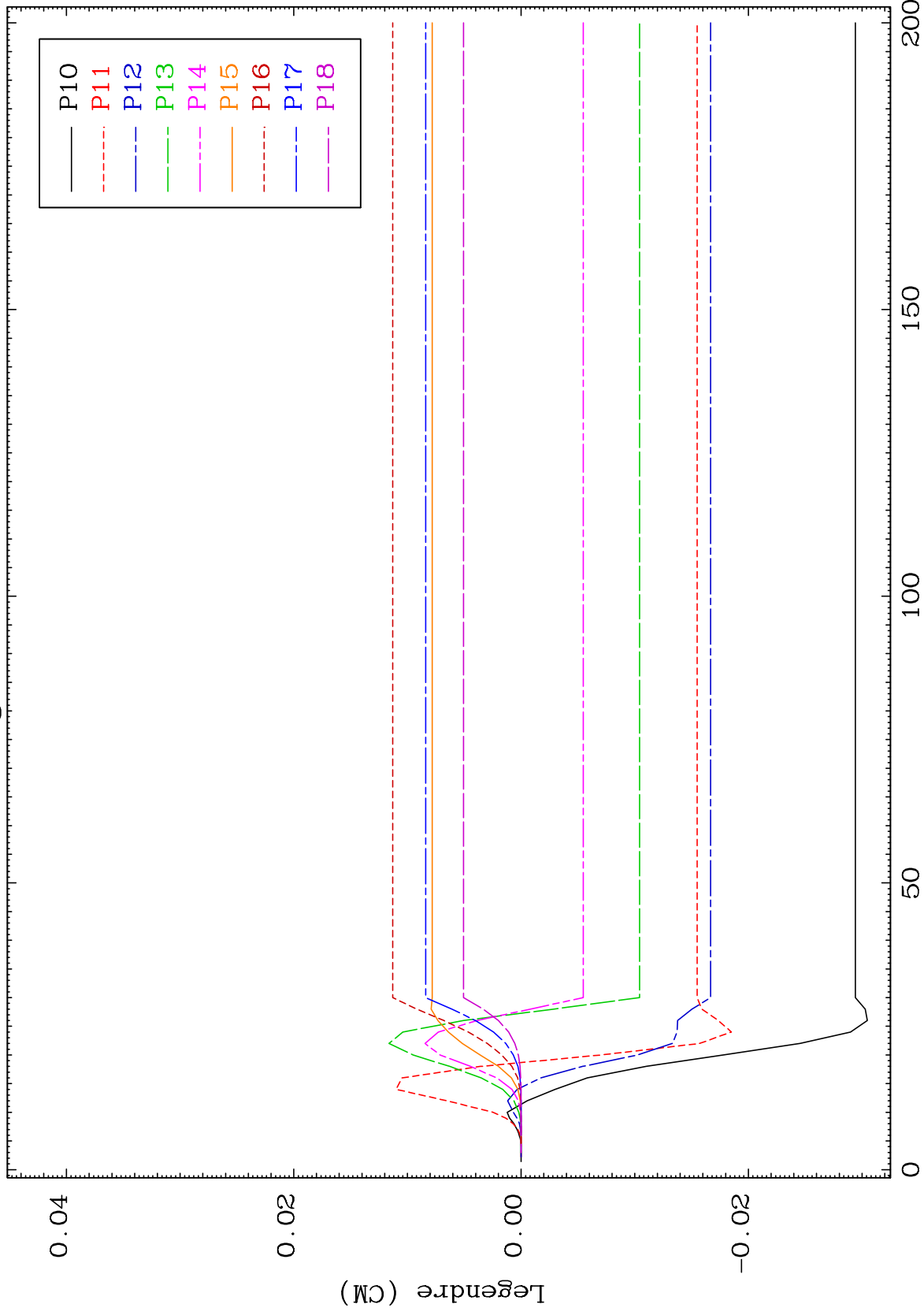
Incident Energy (MeV)

39-Y -83

MAT 3907

736.6 keV (n,n') Level
Legendre Coefficients

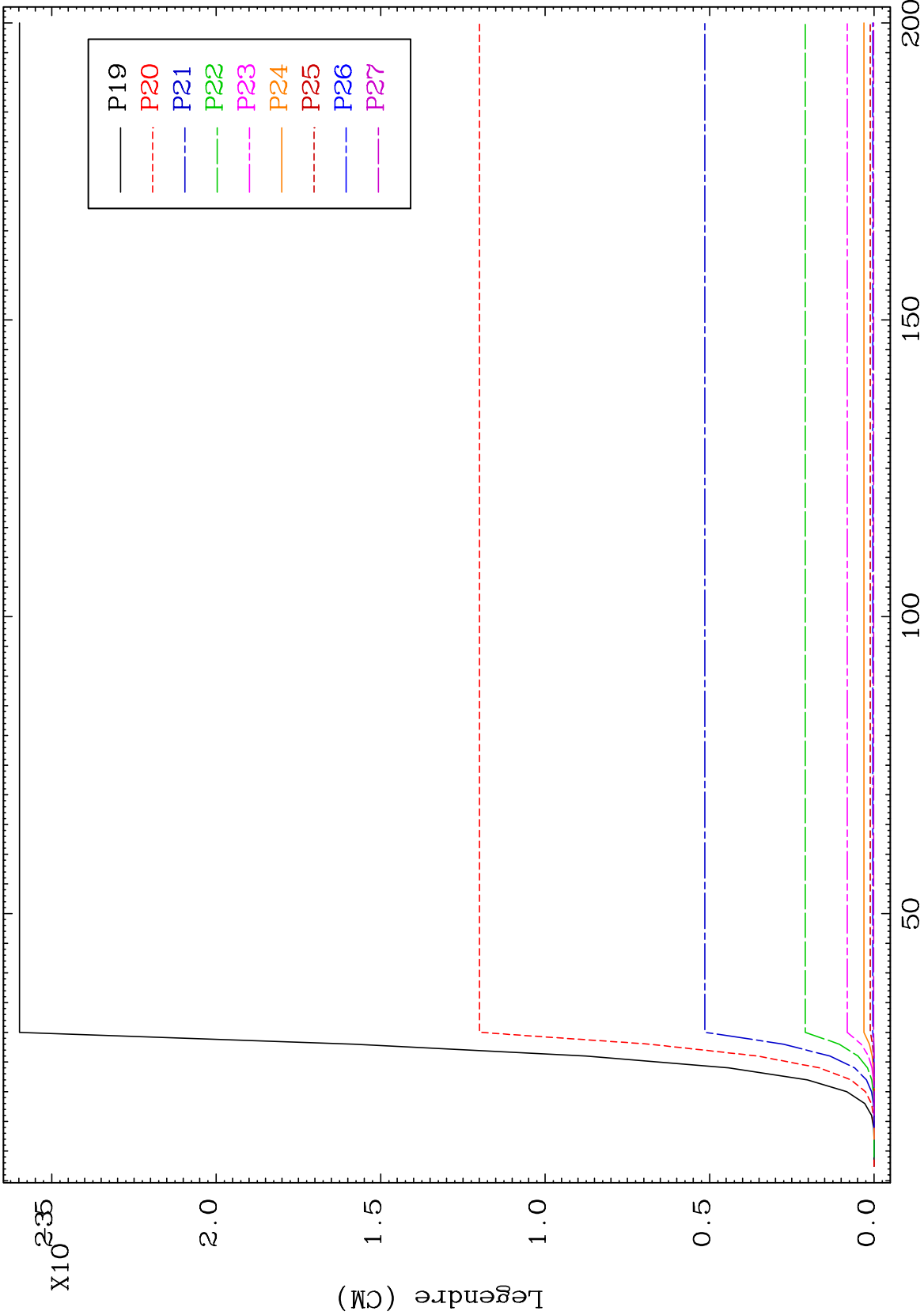
39-Y -83



77

Incident Energy (MeV)

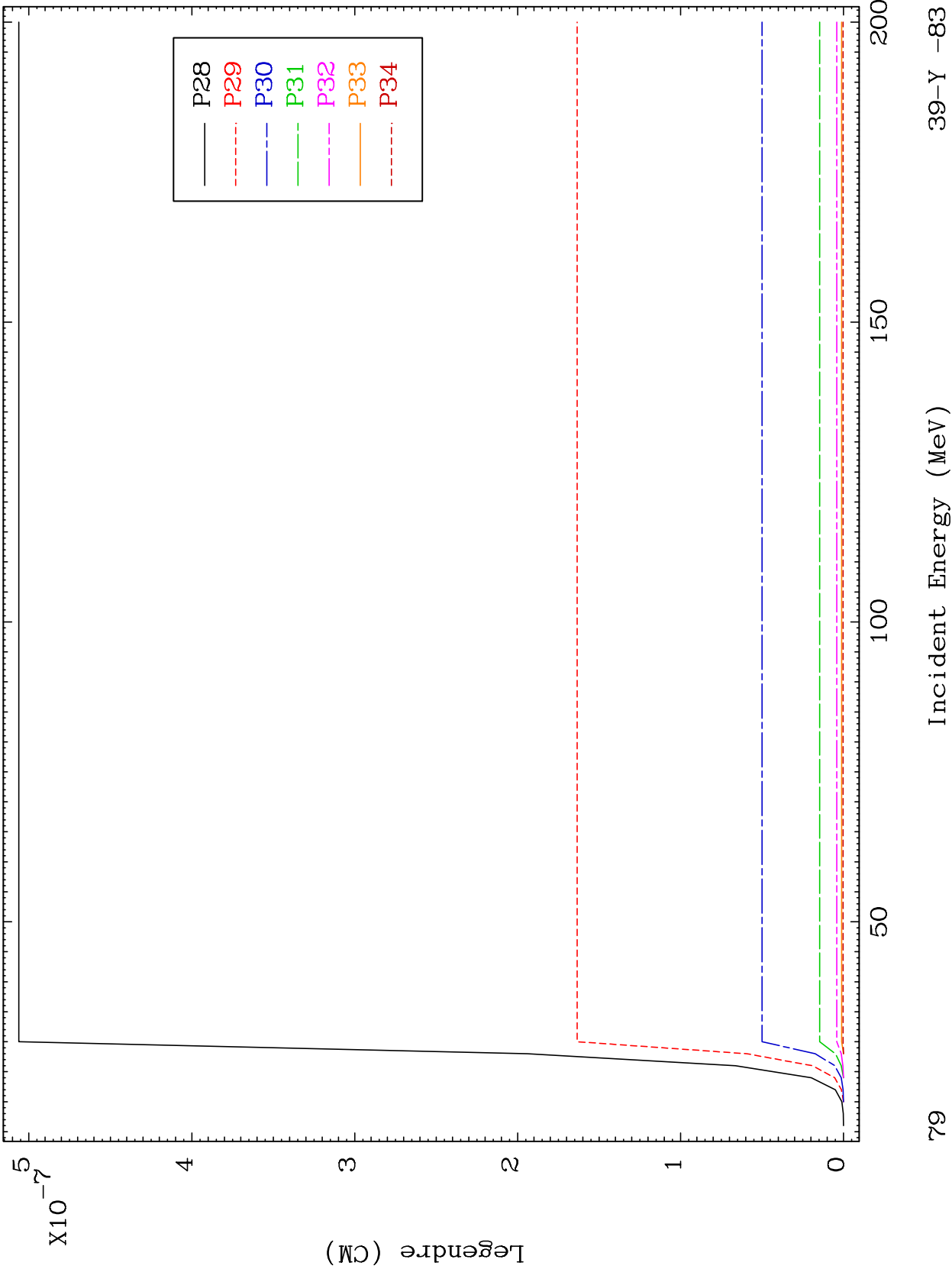
39-Y -83



MAT 3907

736.6 keV (n,n') Level
Legendre Coefficients

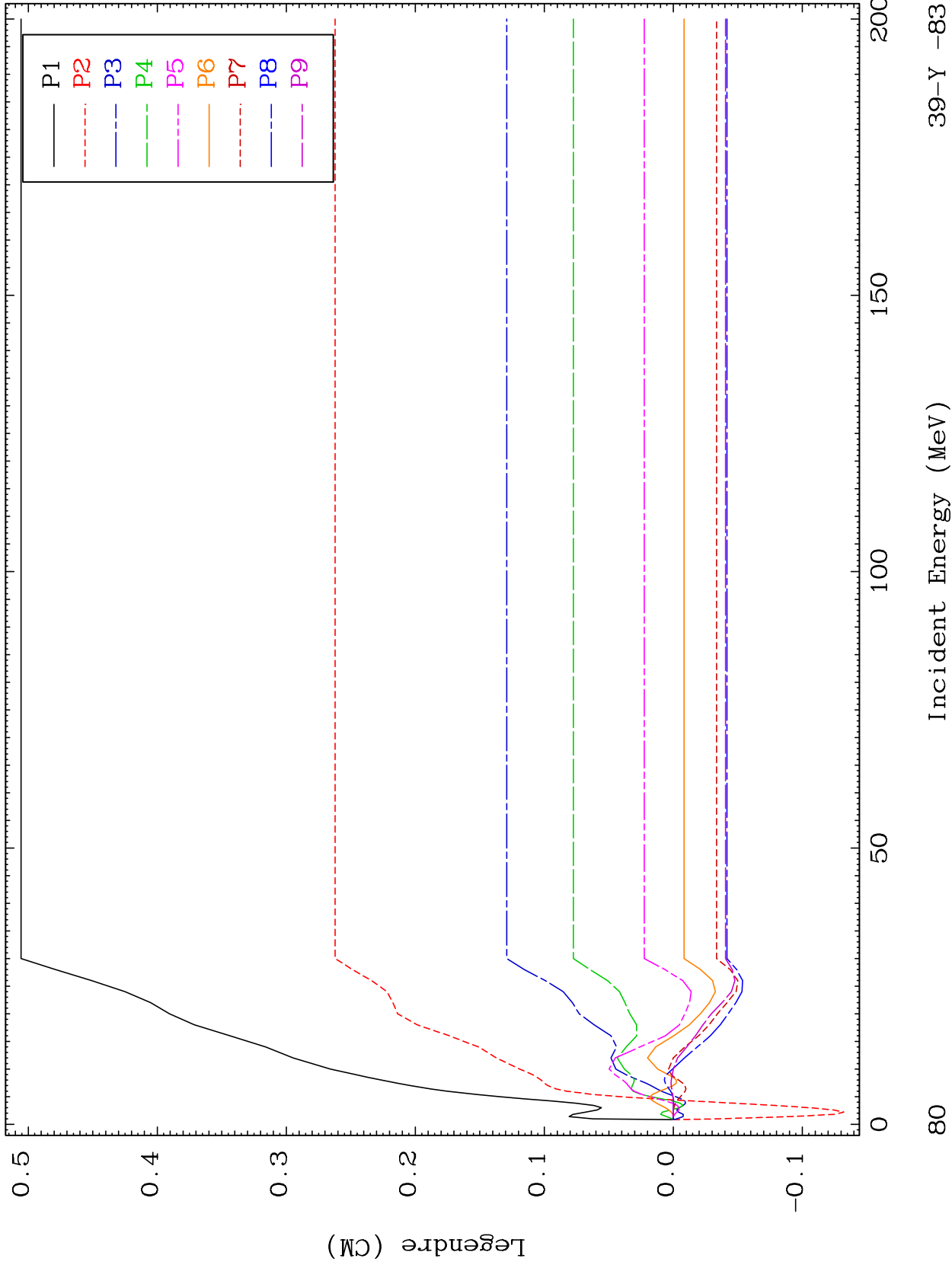
39-Y -83



MAT 3907

814.0 keV (n,n') Level
Legendre Coefficients

39-Y -83



39-Y -83

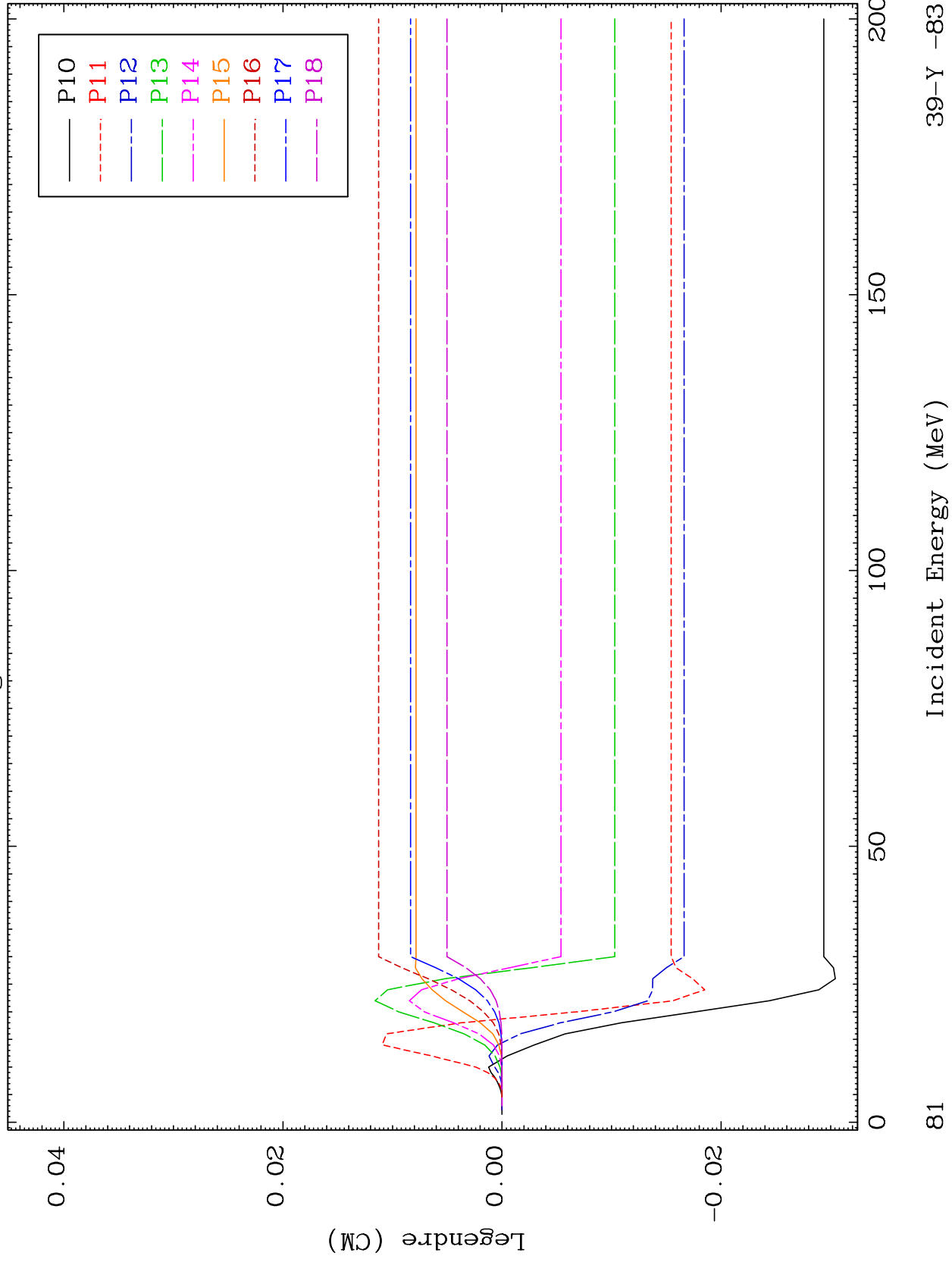
Incident Energy (MeV)

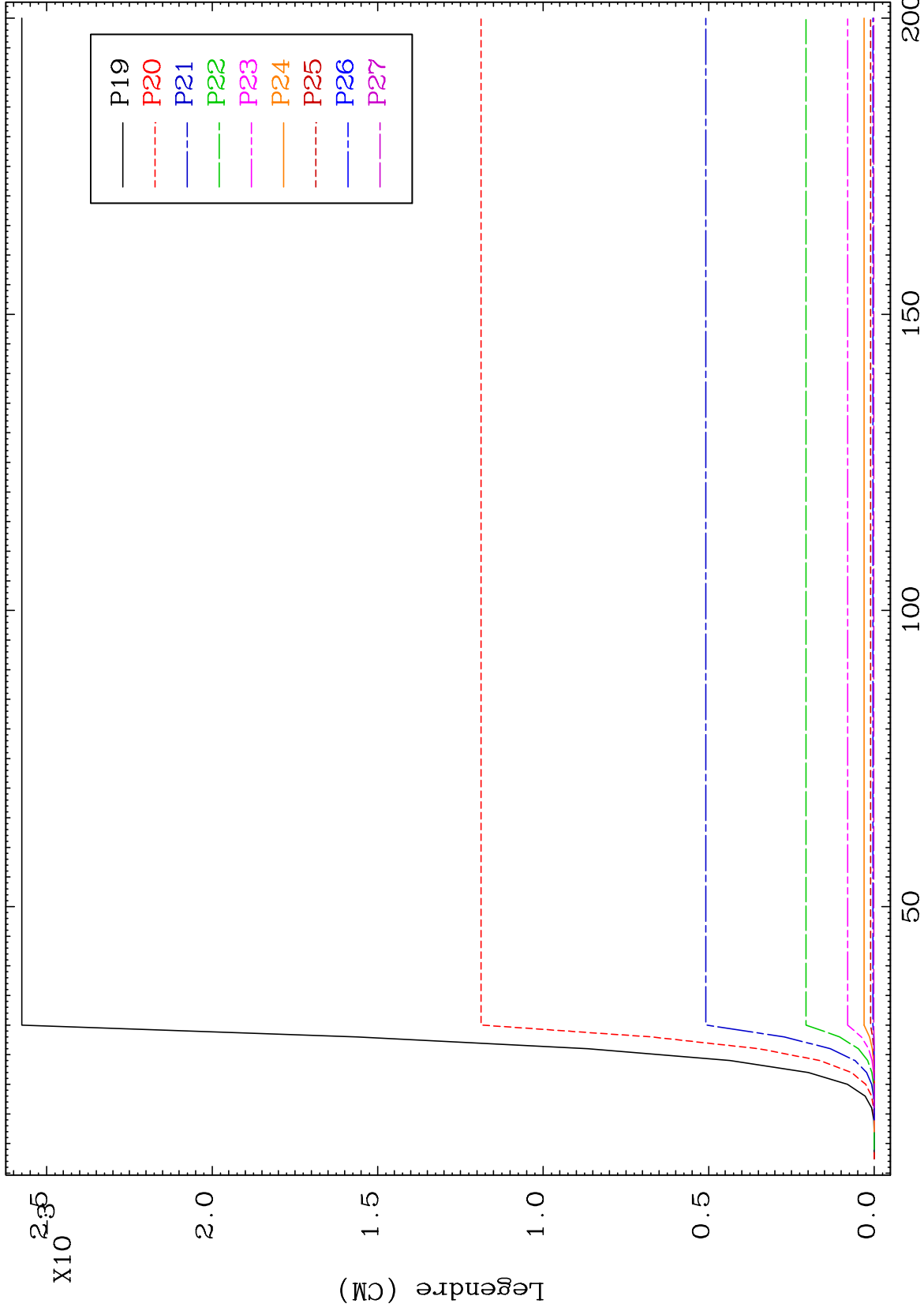
80

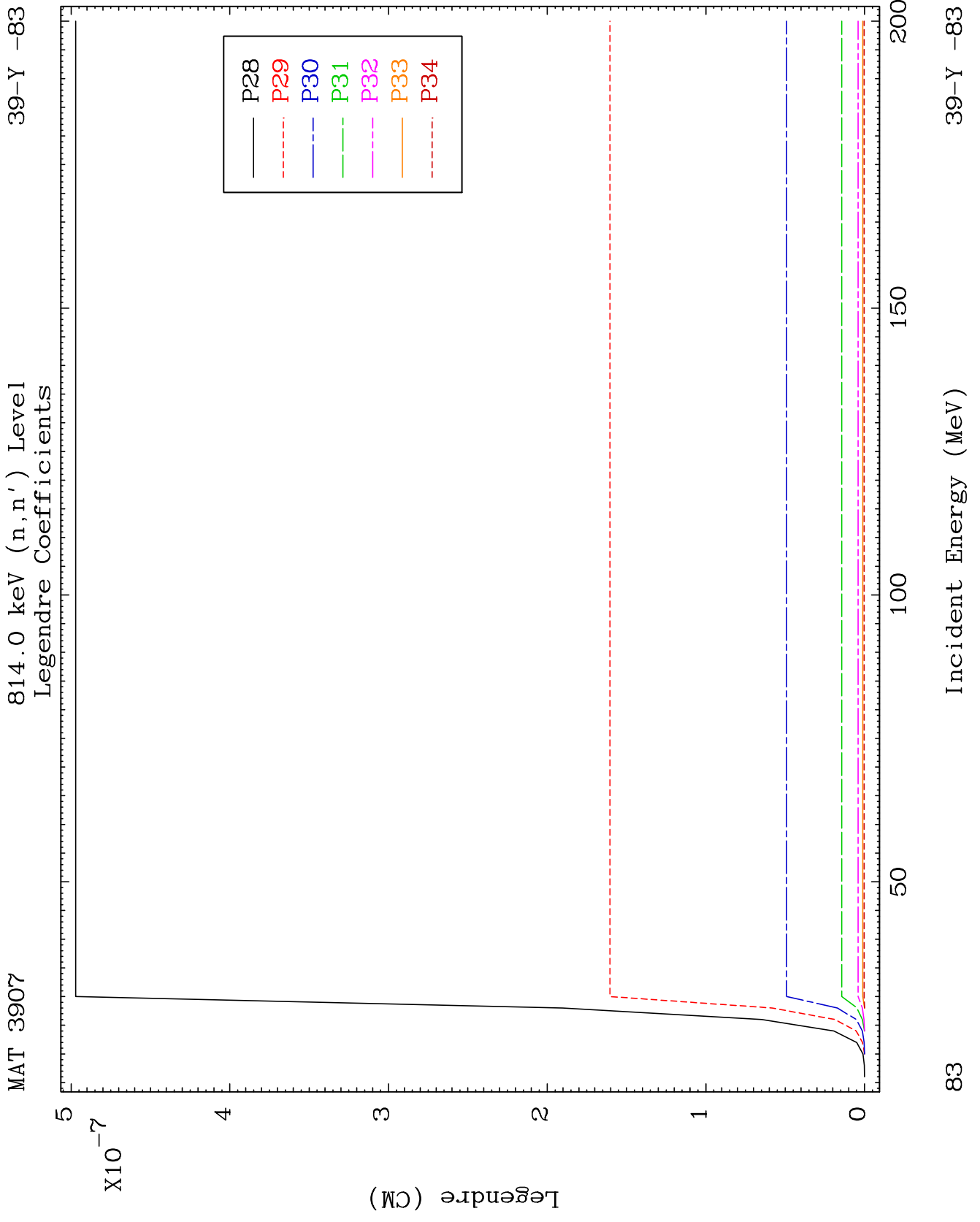
MAT 3907

814.0 keV (n,n') Level
Legendre Coefficients

39-Y -83



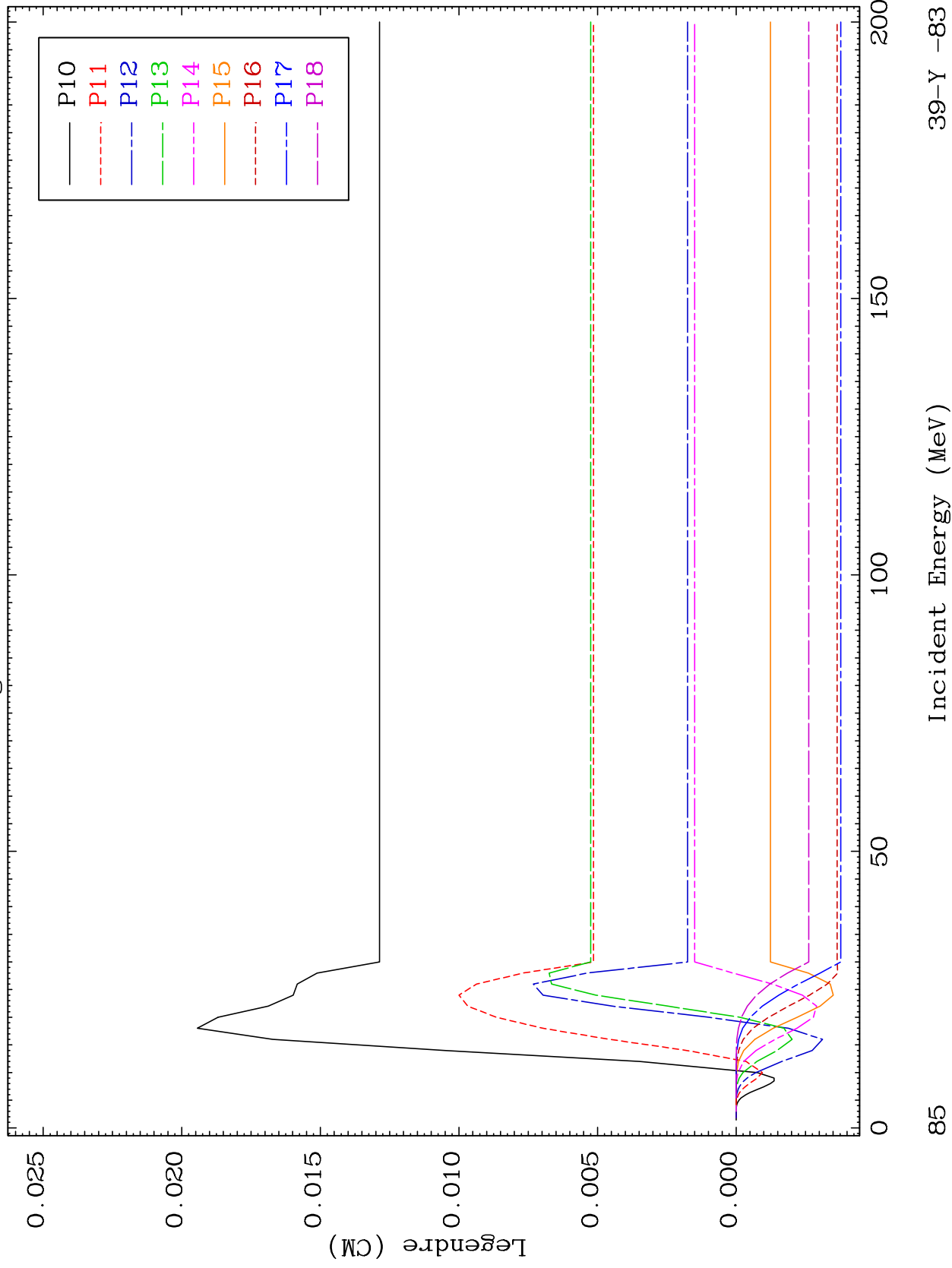




MAT 3907

855.6 keV (n,n') Level
Legendre Coefficients

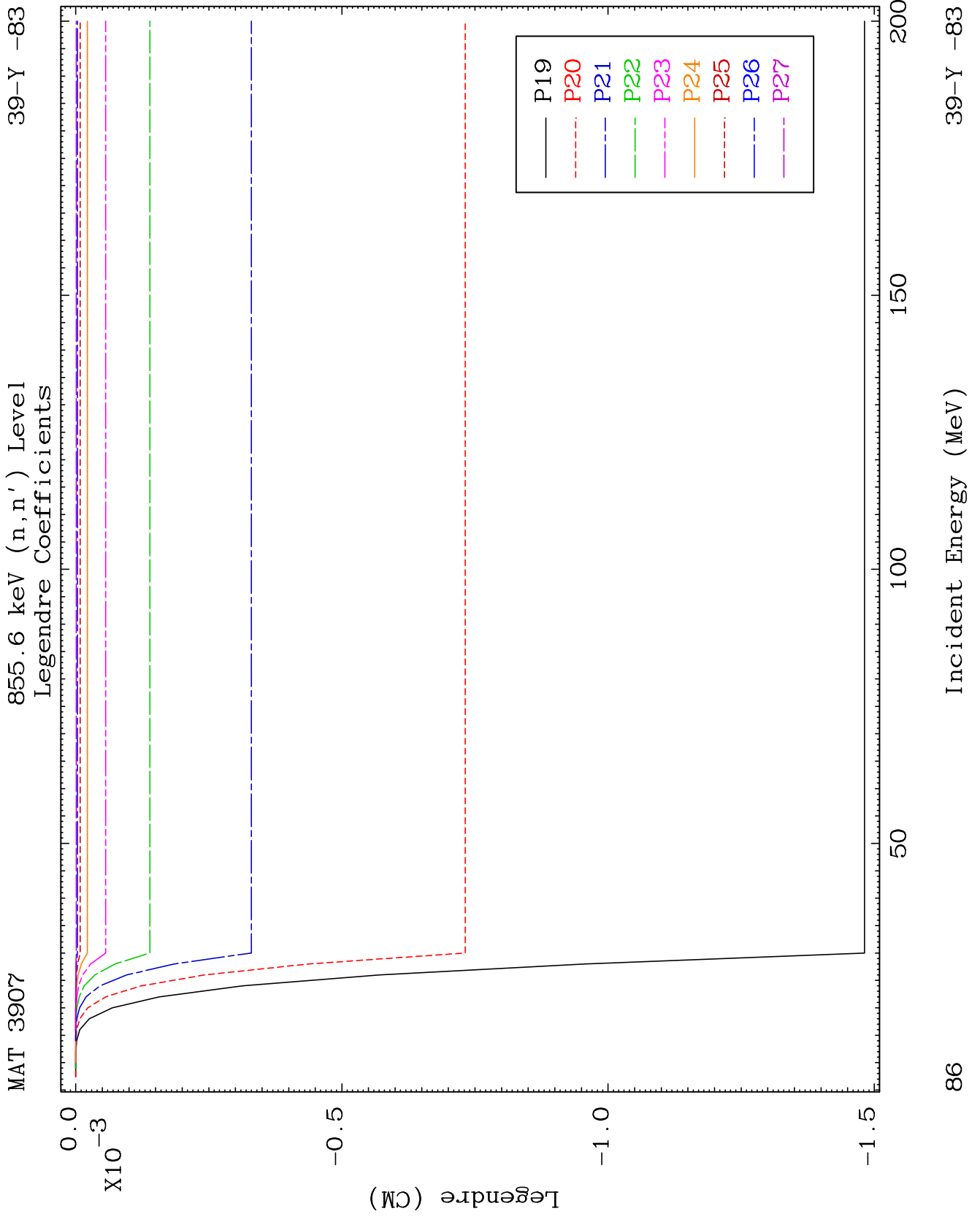
39-Y -83

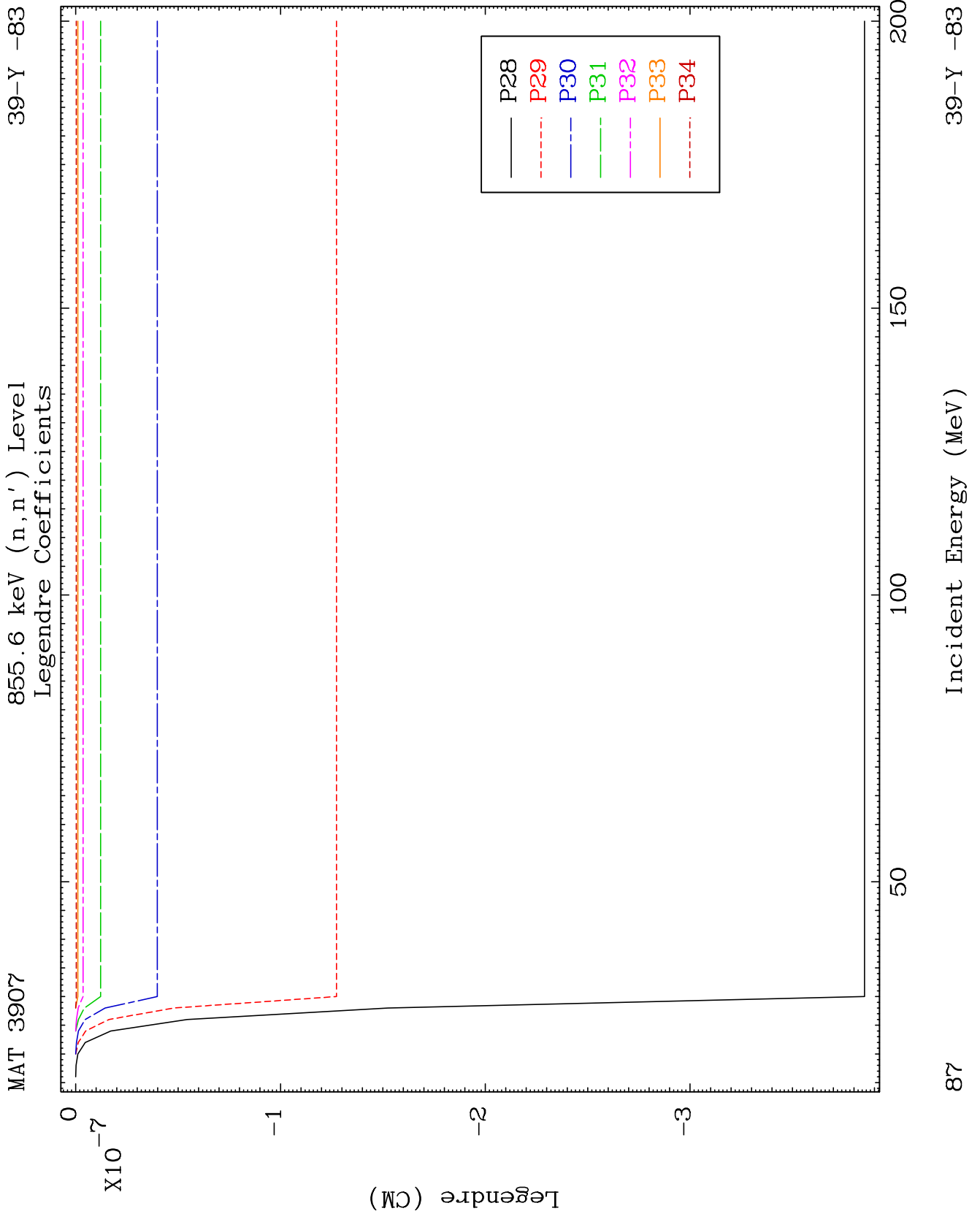


39-Y -83

Incident Energy (MeV)

85

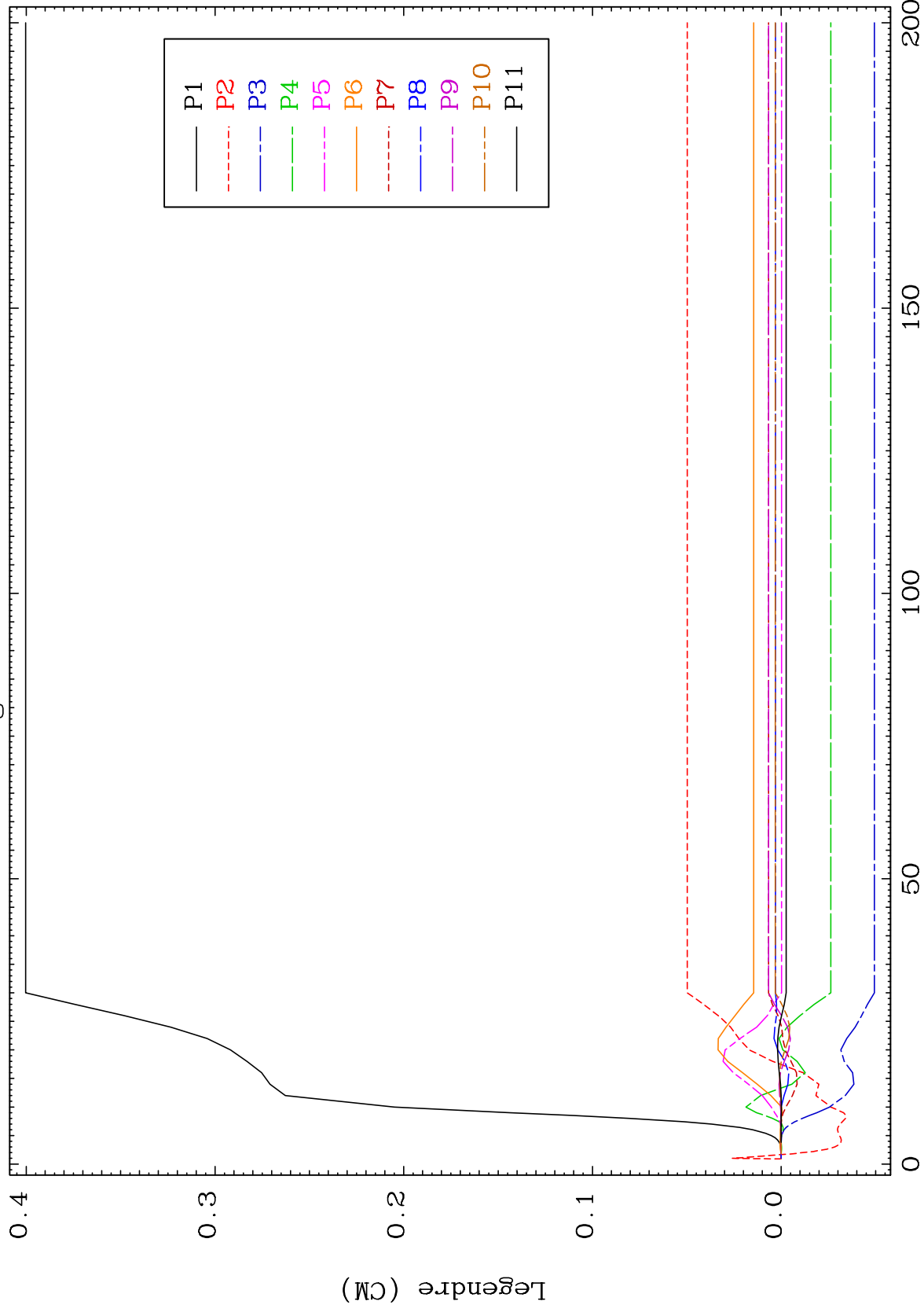




MAT 3907

882.5 keV (n,n') Level
Legendre Coefficients

39-Y -83



88

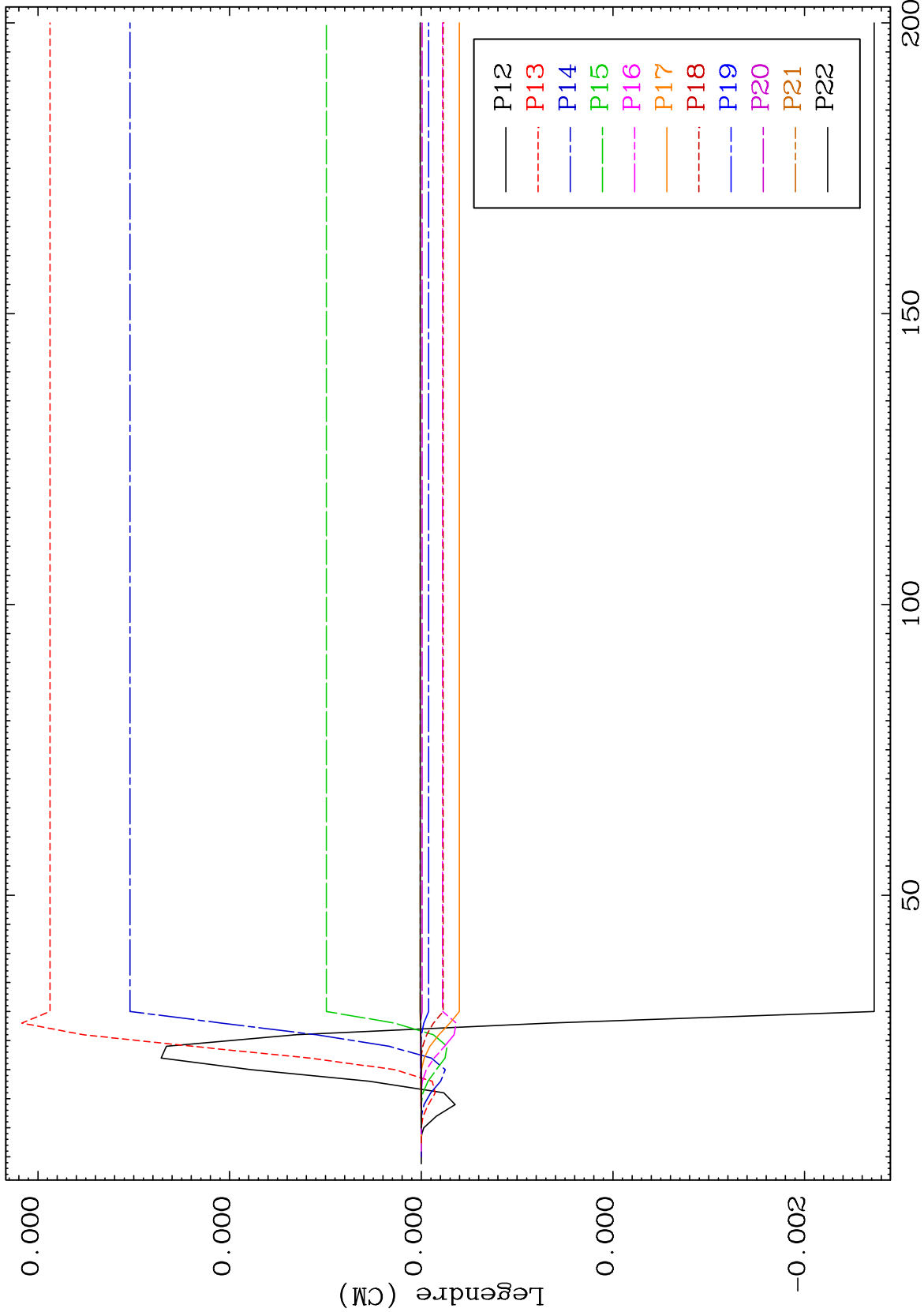
Incident Energy (MeV)

39-Y -83

MAT 3907

882.5 keV (n,n') Level
Legendre Coefficients

39-Y -83



89

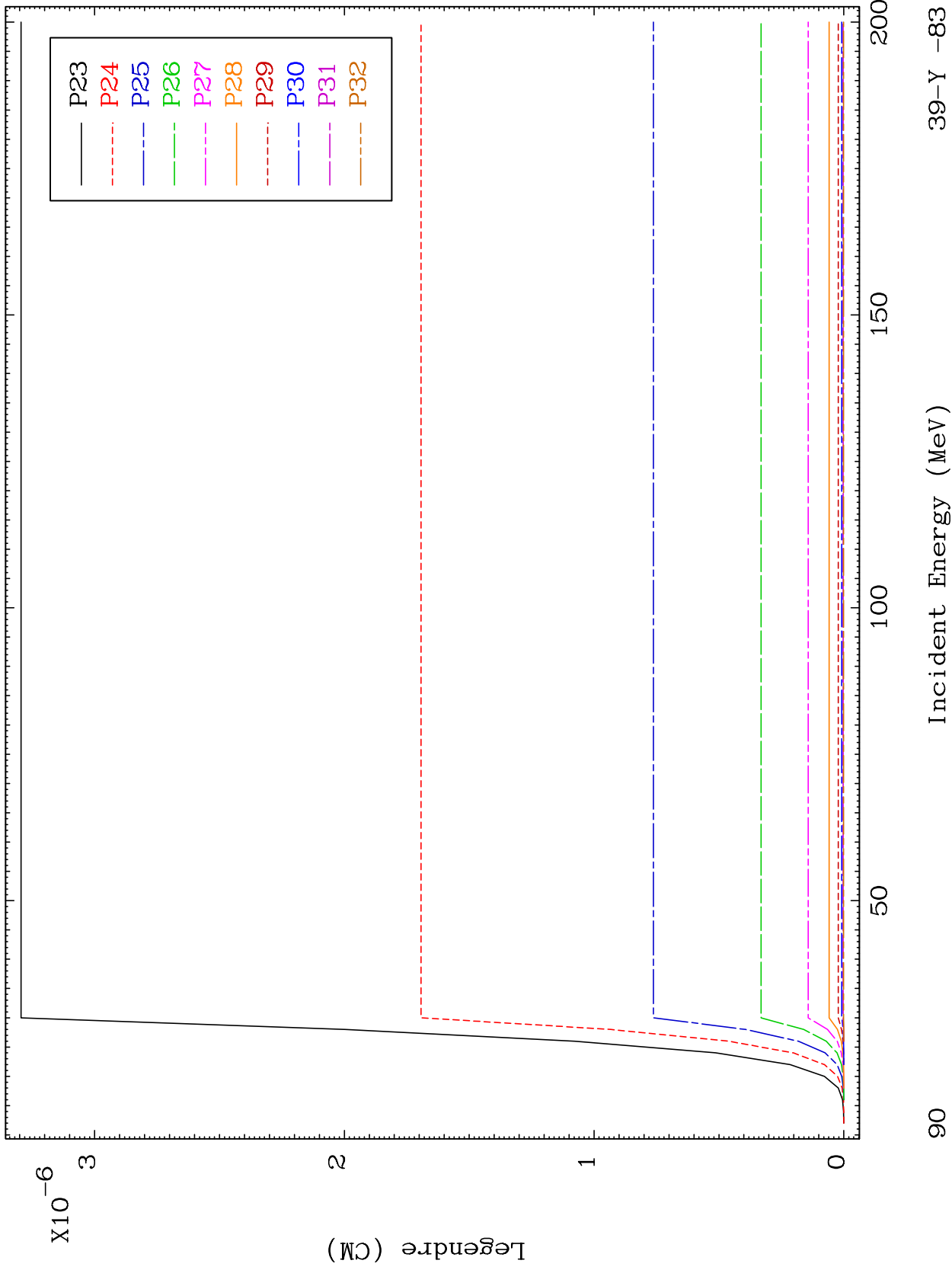
Incident Energy (MeV)

39-Y -83

MAT 3907

882.5 keV (n,n') Level
Legendre Coefficients

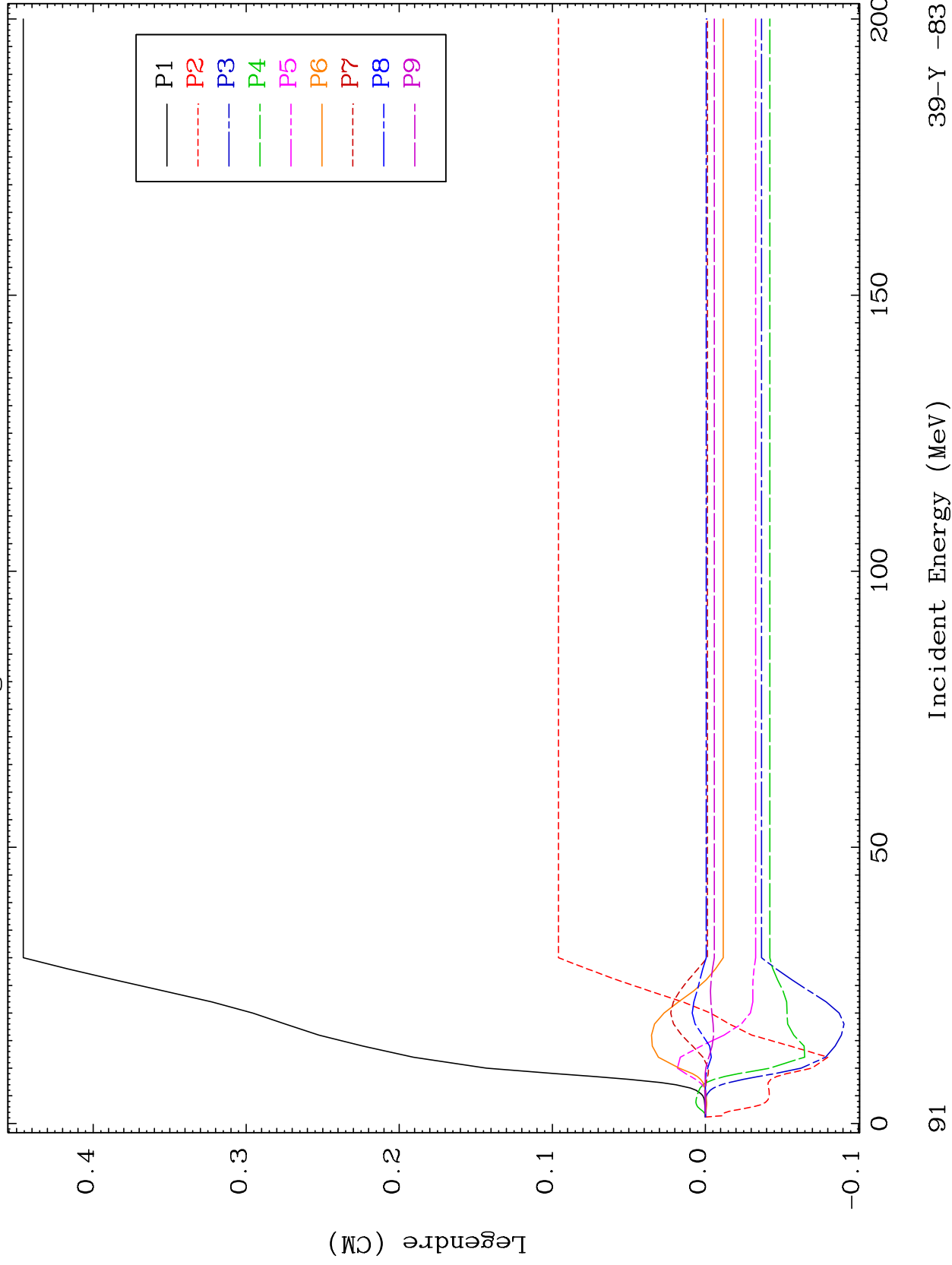
39-Y -83



MAT 3907

1.137 MeV (n,n') Level Legendre Coefficients

39-Y -83



91

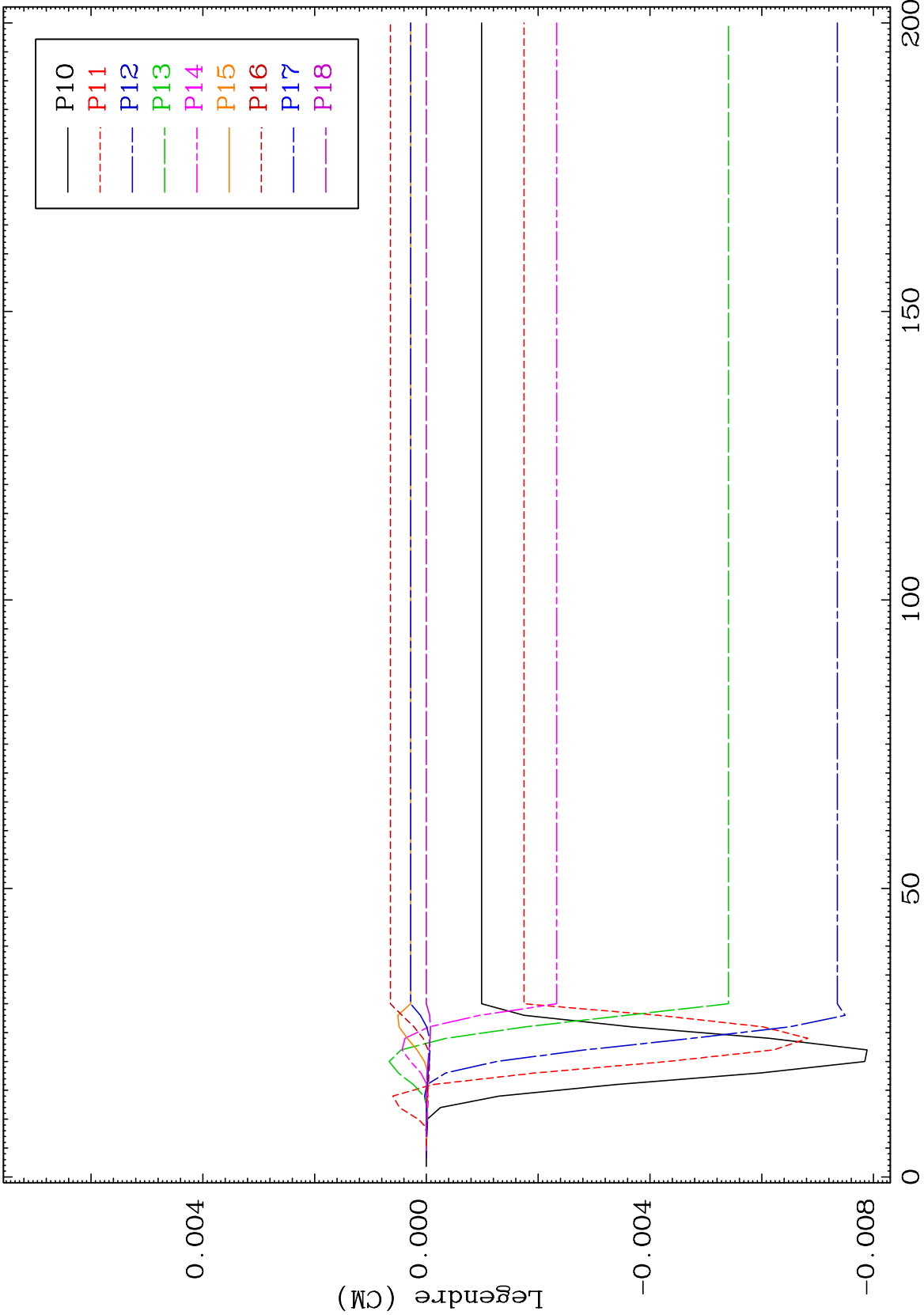
Incident Energy (MeV)

39-Y -83

MAT 3907

1.137 MeV (n,n') Level Legendre Coefficients

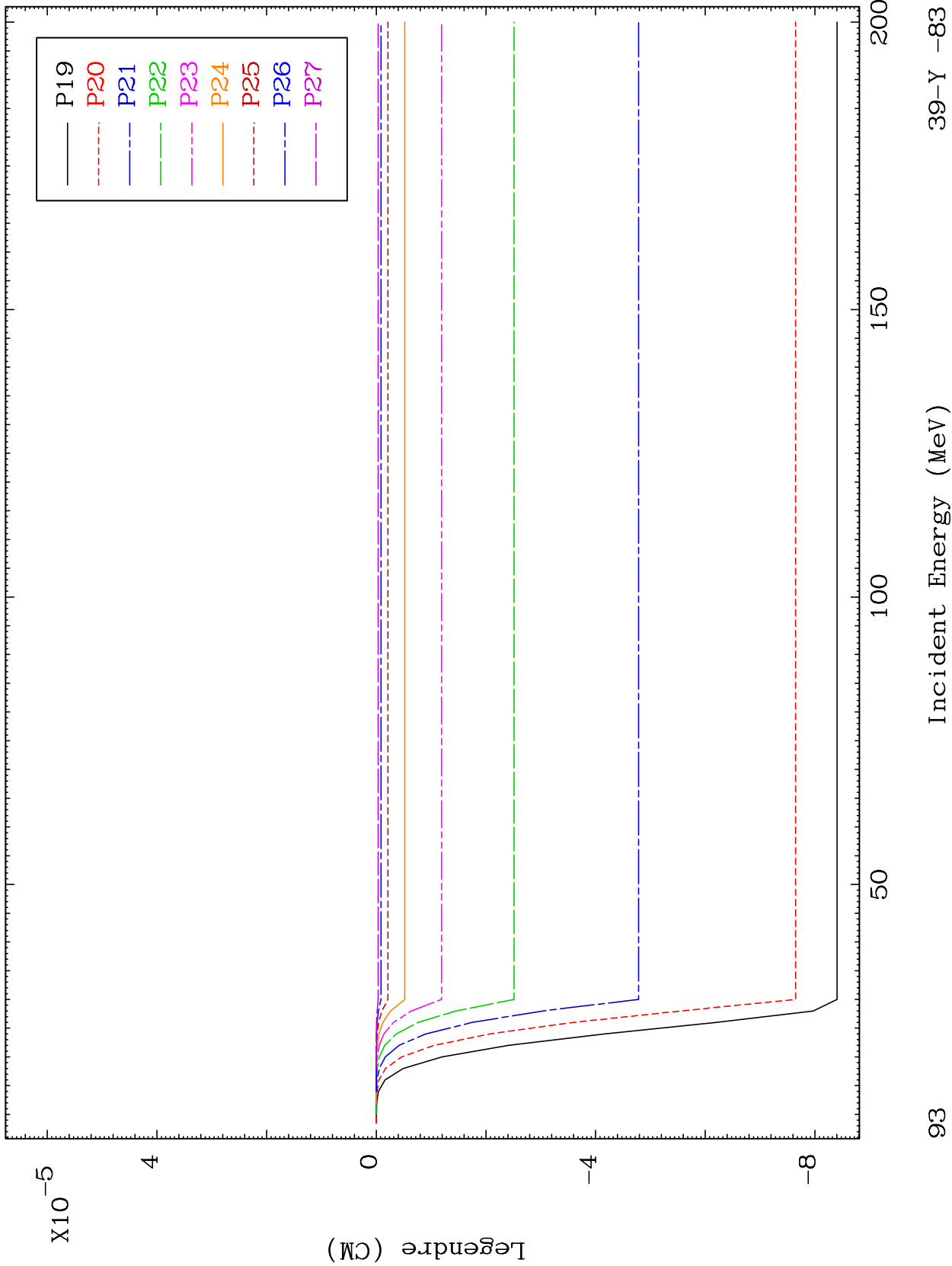
39-Y -83

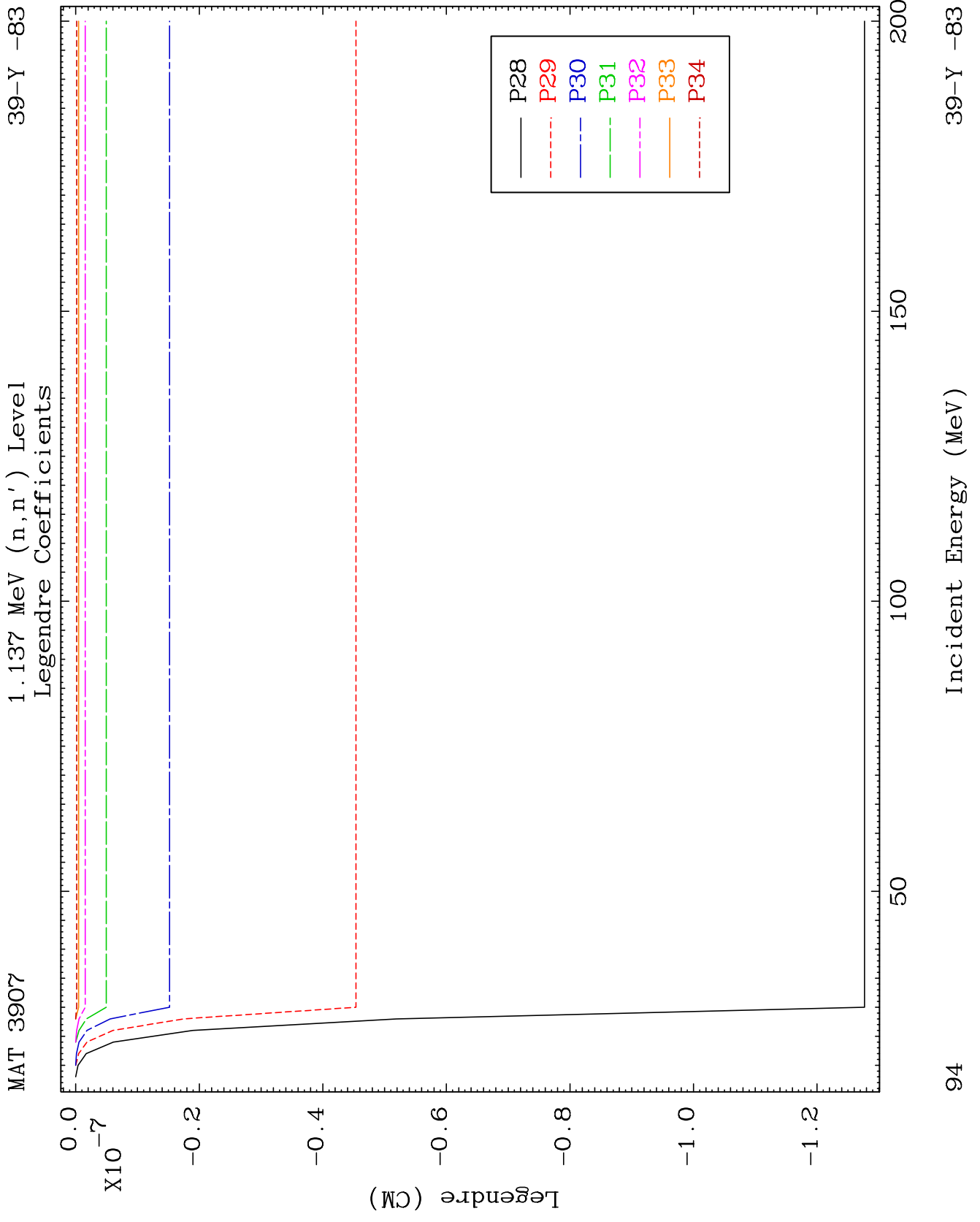


92

Incident Energy (MeV)

39-Y -83

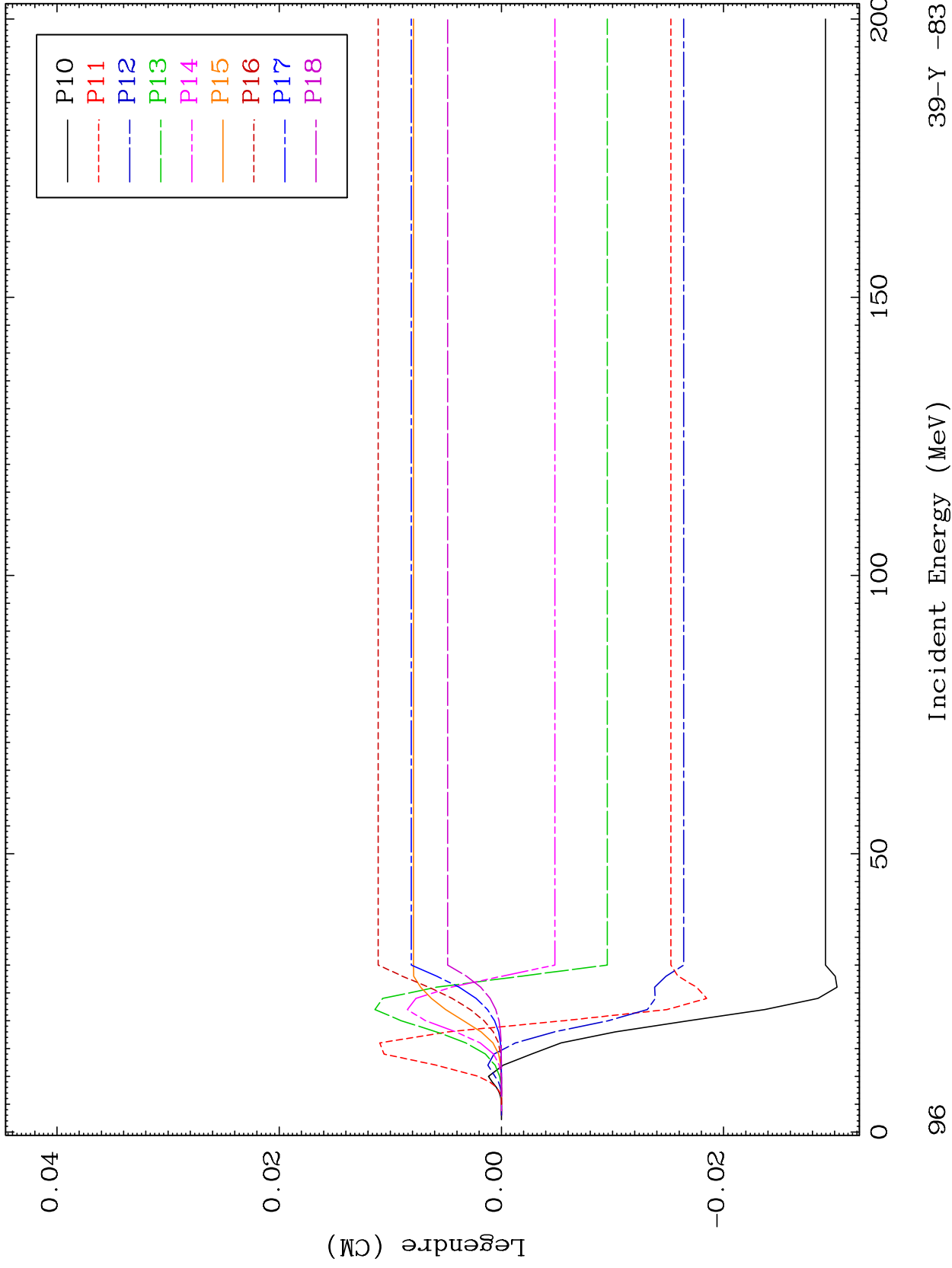




MAT 3907

1.224 MeV (n,n') Level
Legendre Coefficients

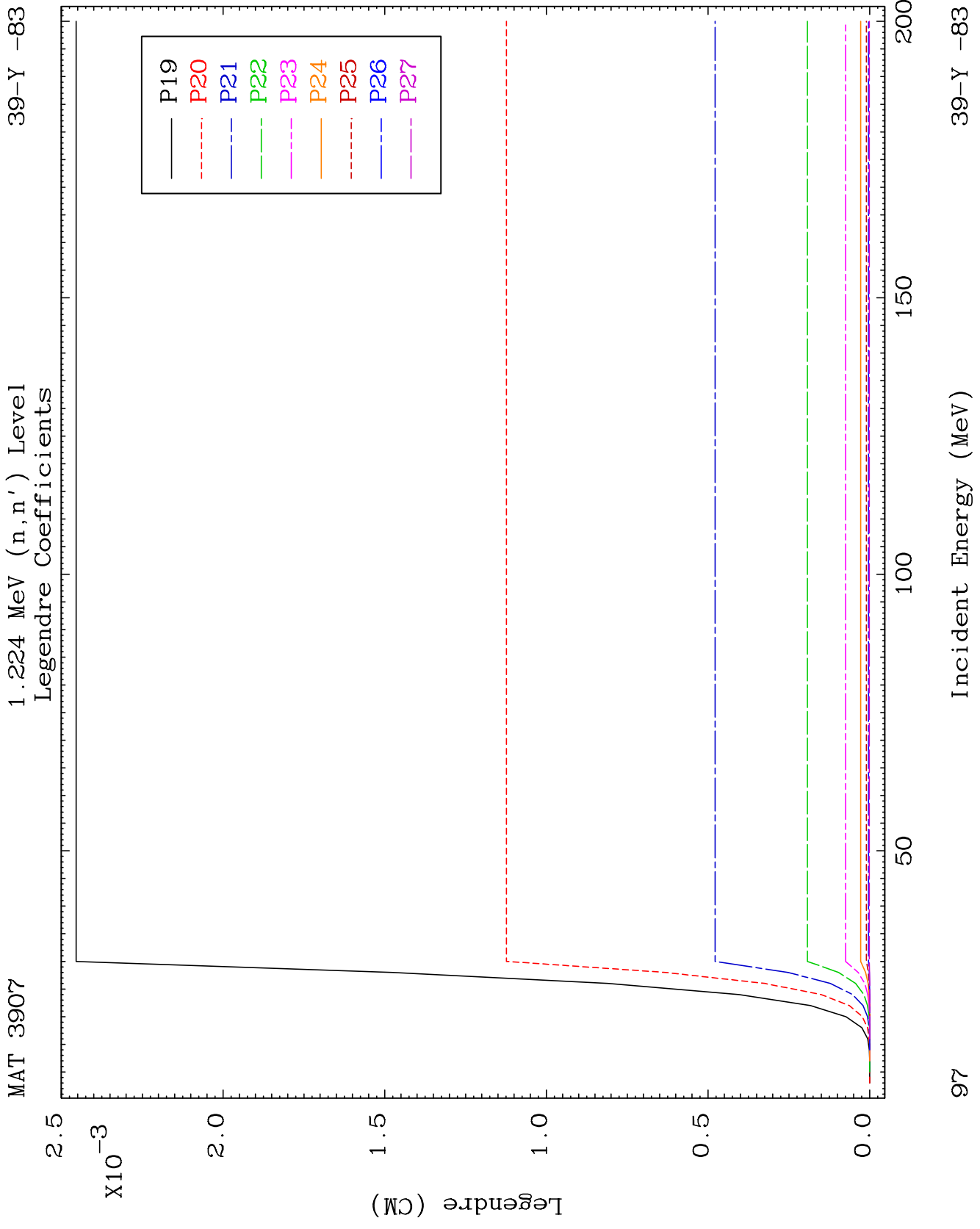
39-Y -83



96

Incident Energy (MeV)

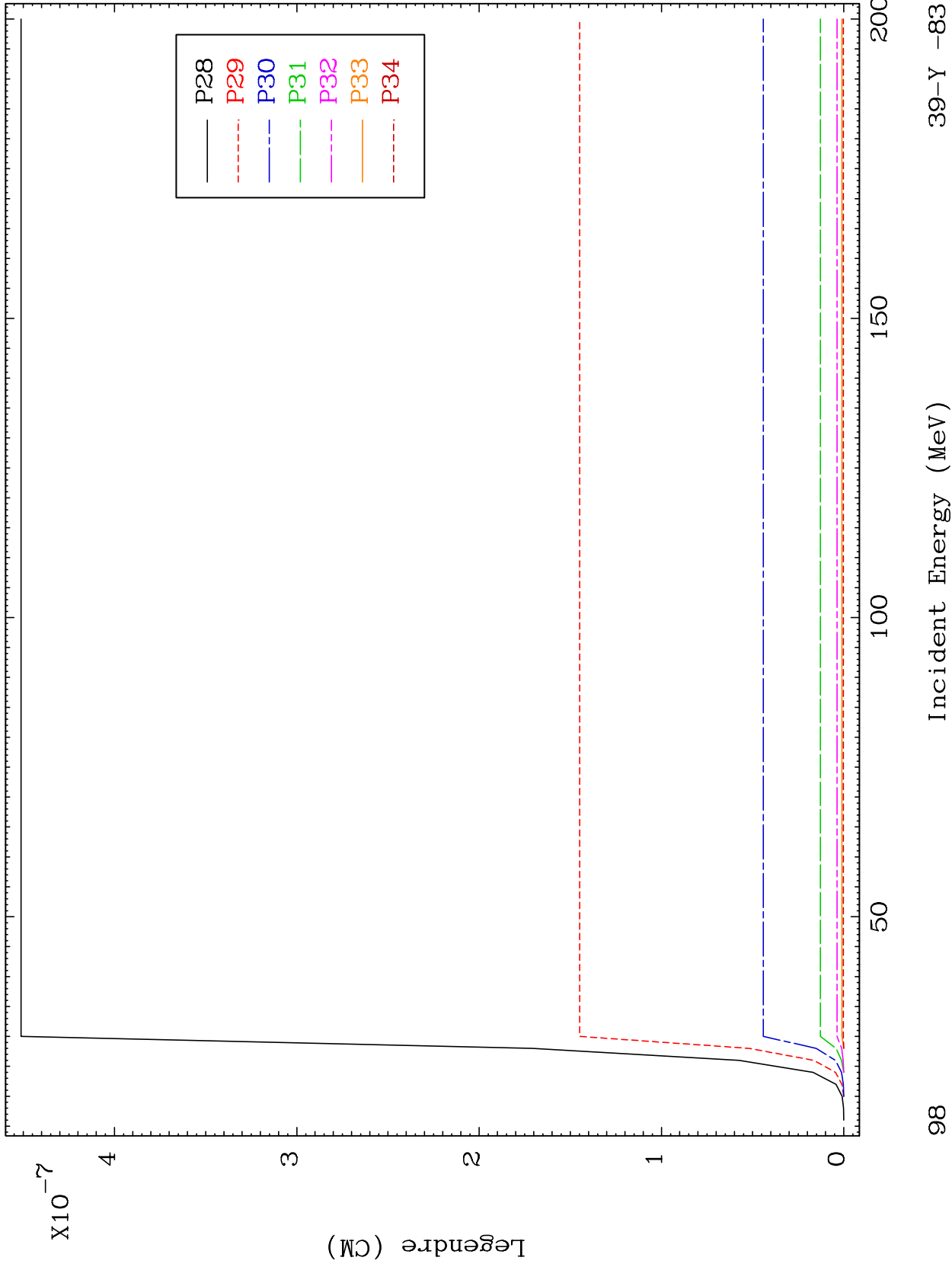
39-Y -83



MAT 3907

1.224 MeV (n,n') Level
Legendre Coefficients

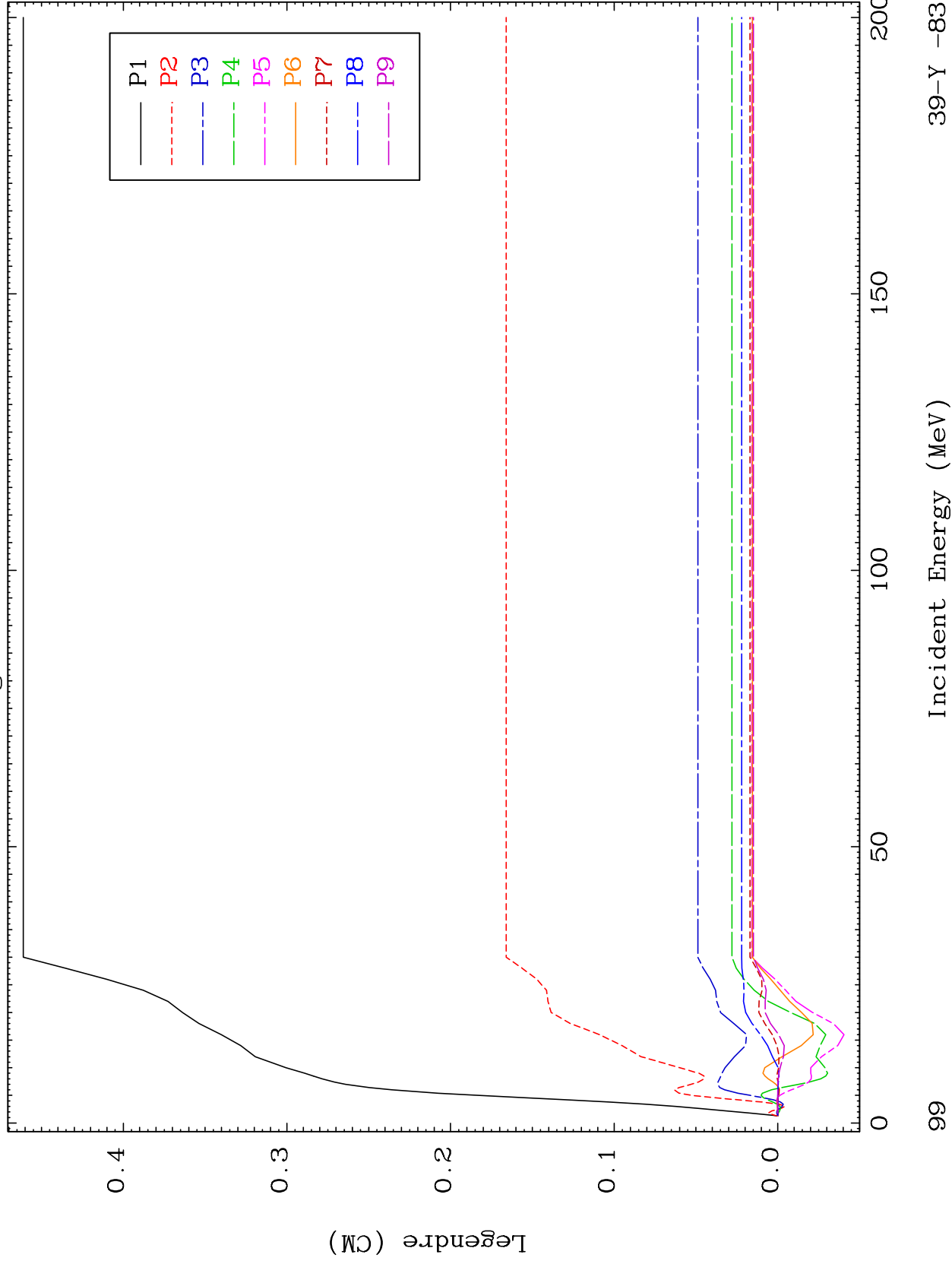
39-Y -83



MAT 3907

1.250 MeV (n,n') Level Legendre Coefficients

39-Y -83



99

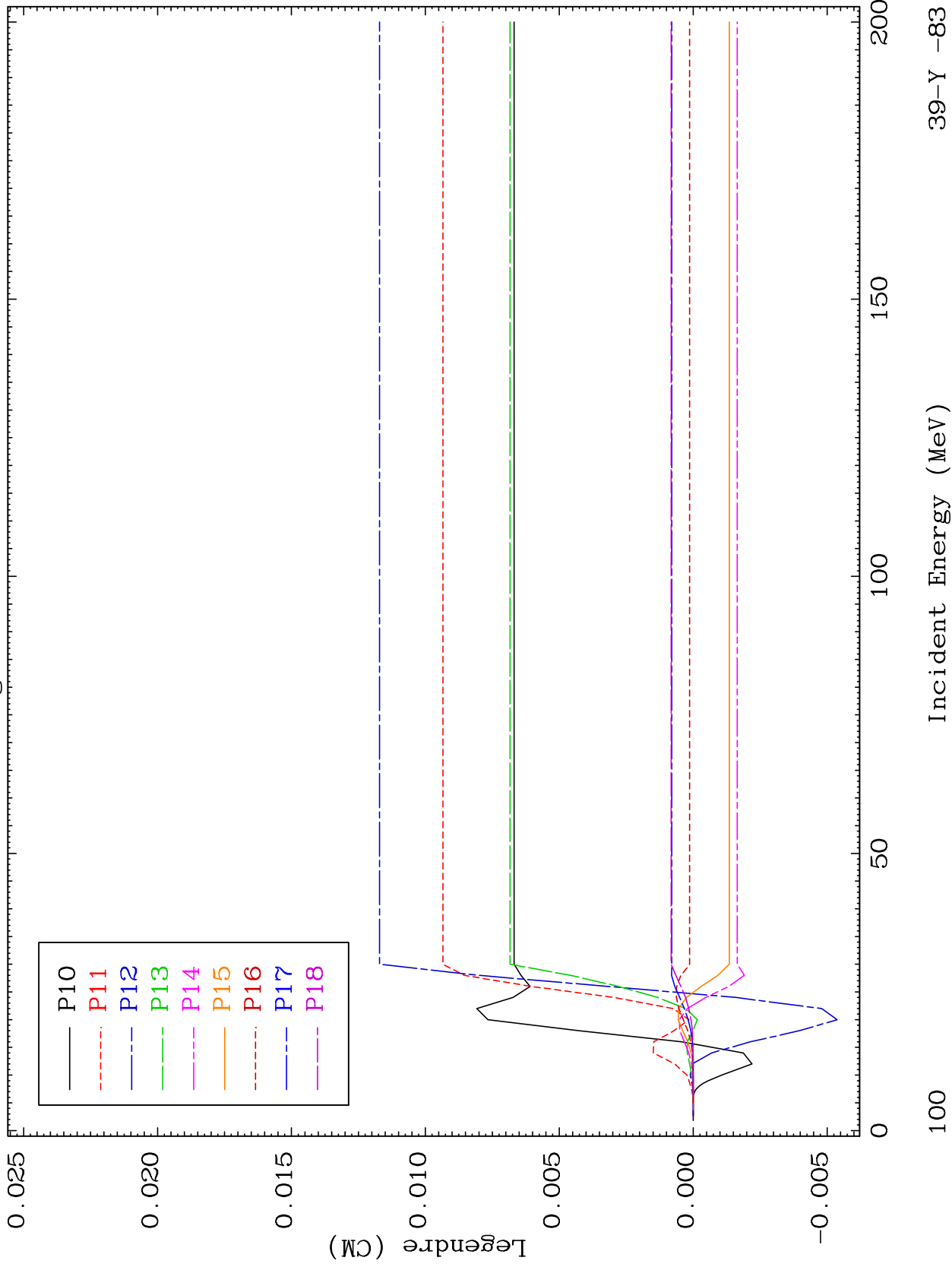
Incident Energy (MeV)

39-Y -83

MAT 3907

1.250 MeV (n,n') Level
Legendre Coefficients

39-Y -83



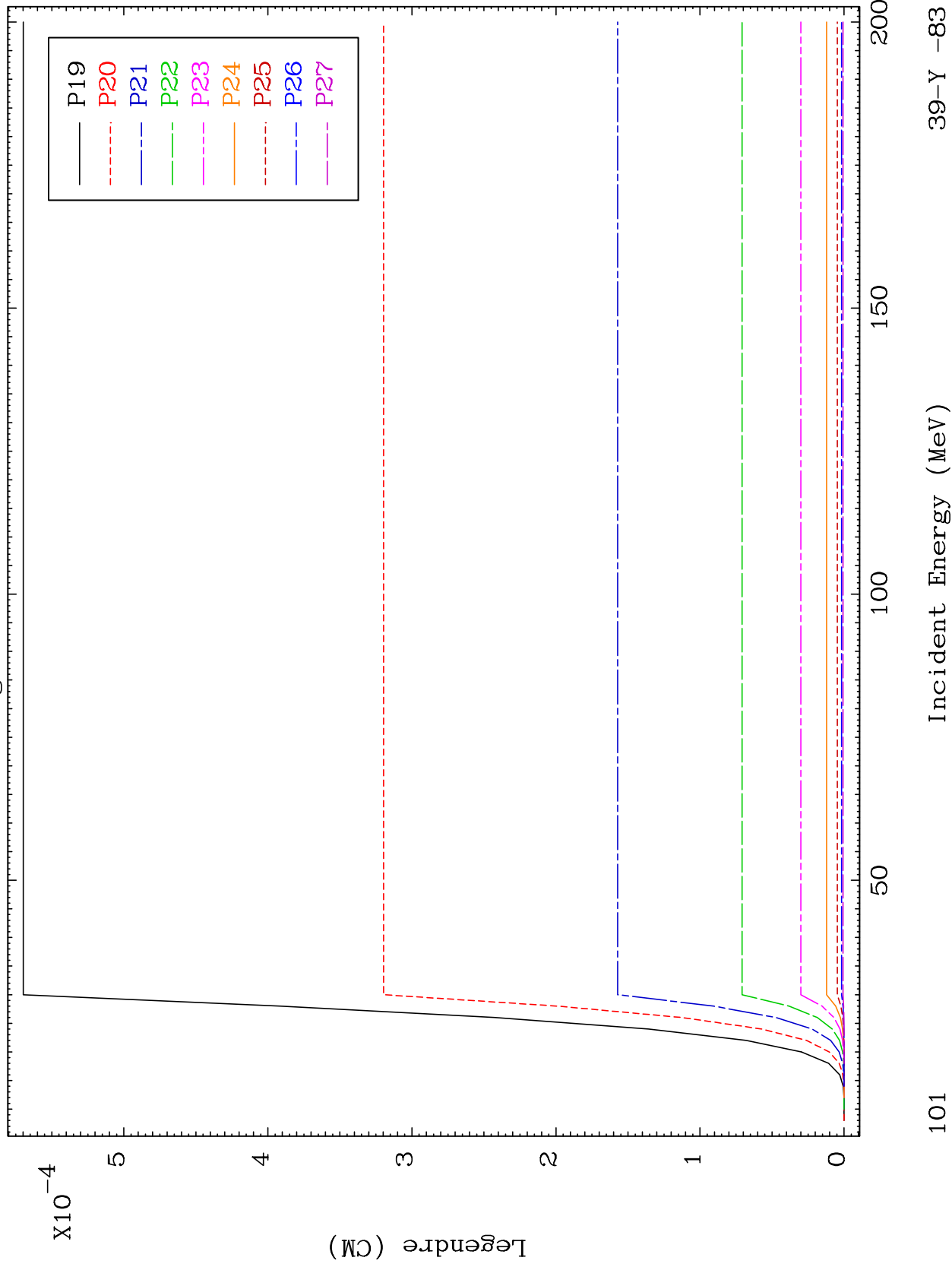
39-Y -83

Incident Energy (MeV)

MAT 3907

1.250 MeV (n,n') Level Legendre Coefficients

39-Y -83



101

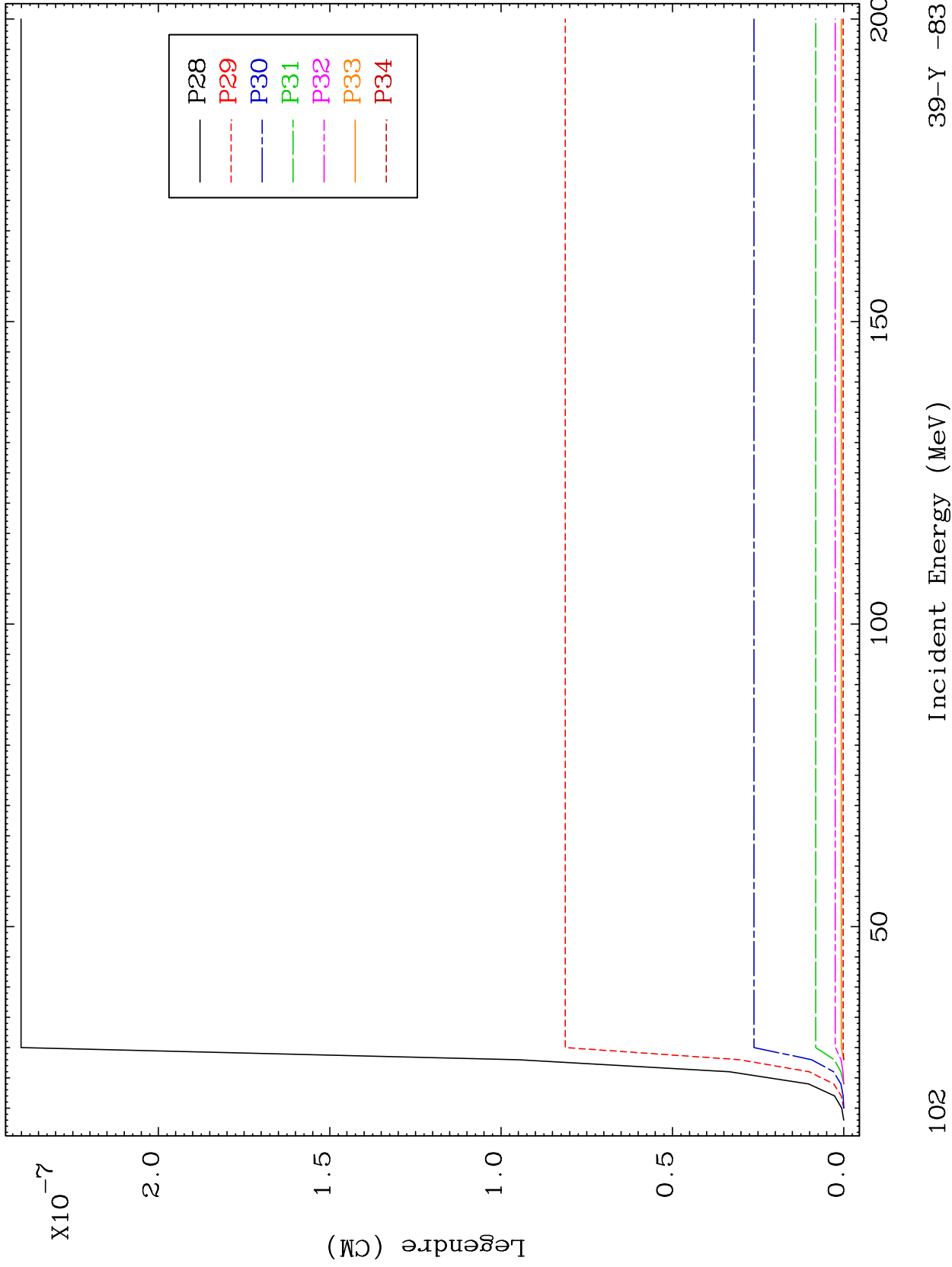
Incident Energy (MeV)

39-Y -83

MAT 3907

1.250 MeV (n,n') Level
Legendre Coefficients

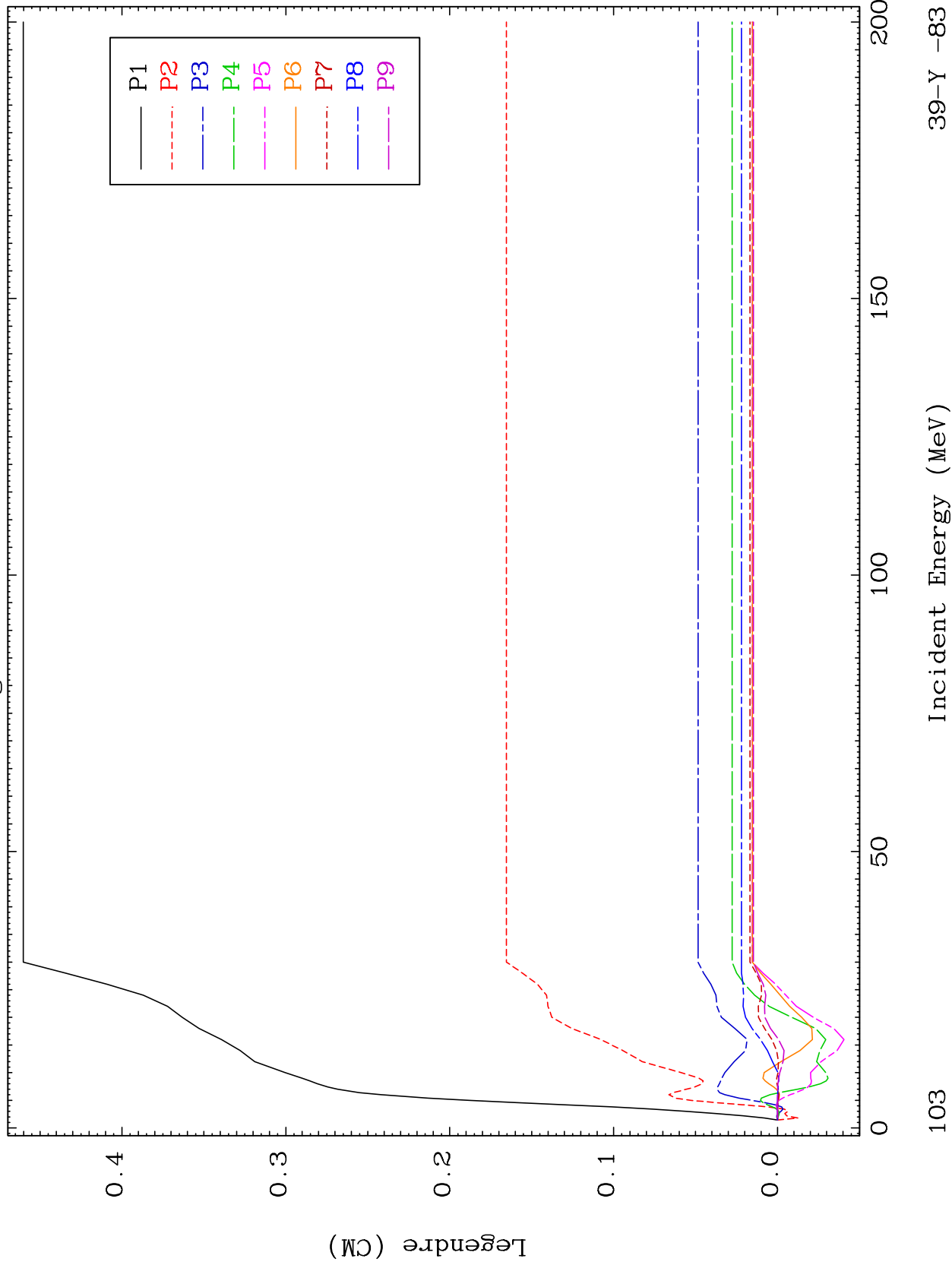
39-Y -83



MAT 3907

1.406 MeV (n,n') Level
Legendre Coefficients

39-Y -83



39-Y -83

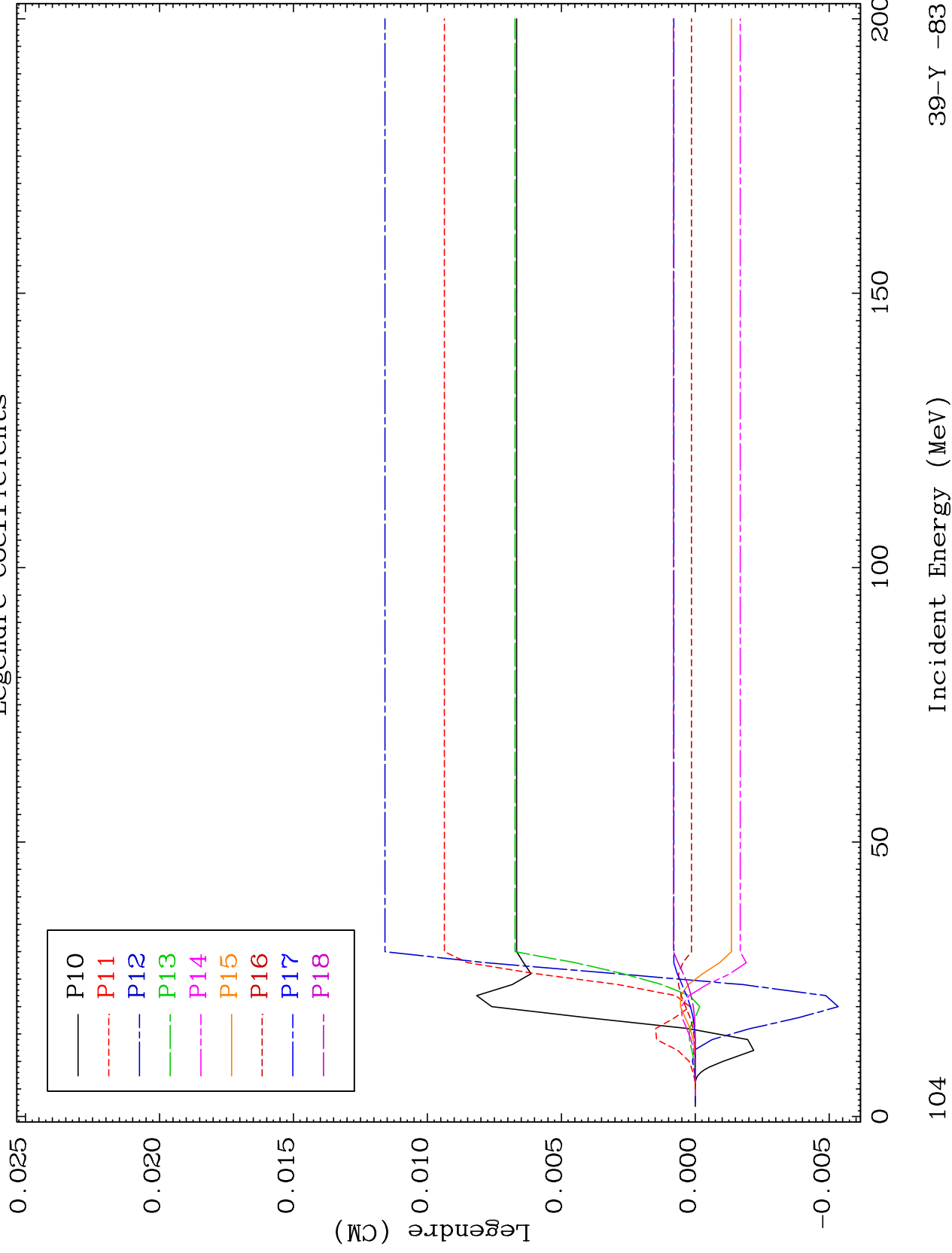
Incident Energy (MeV)

103

MAT 3907

1.406 MeV (n,n') Level
Legendre Coefficients

39-Y -83



104

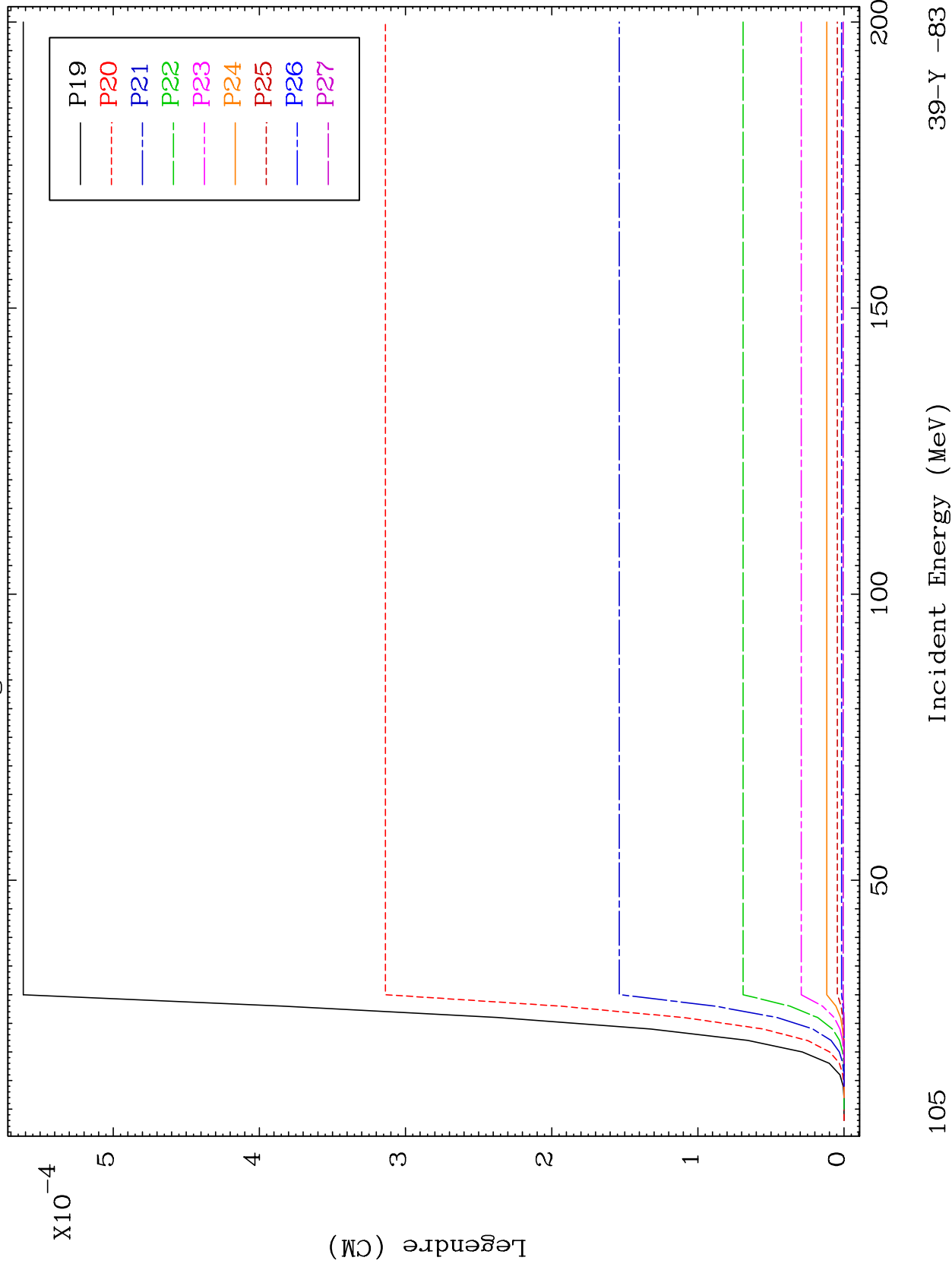
Incident Energy (MeV)

39-Y -83

MAT 3907

1.406 MeV (n,n') Level Legendre Coefficients

39-Y -83



105

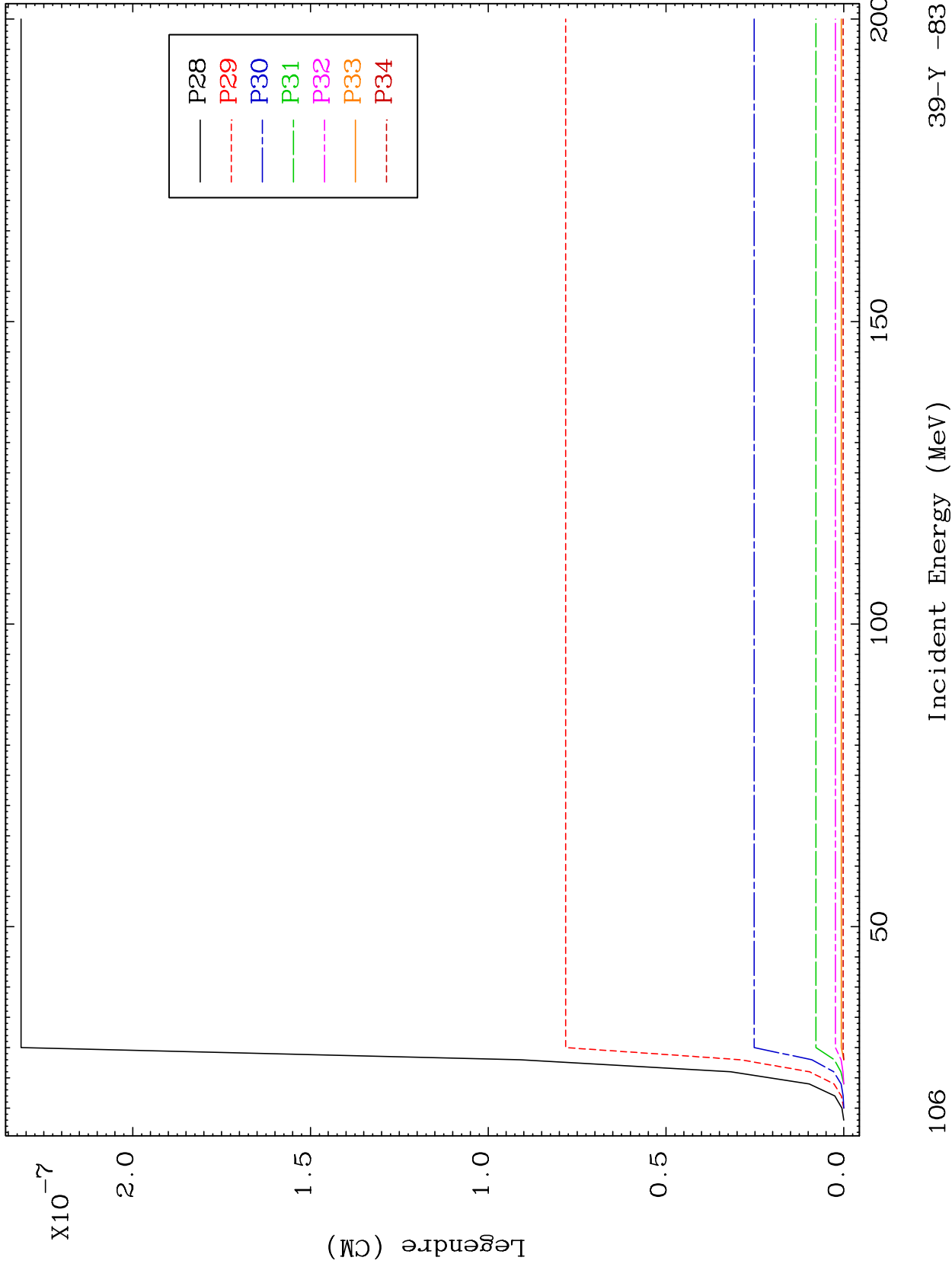
Incident Energy (MeV)

39-Y -83

MAT 3907

1.406 MeV (n,n') Level
Legendre Coefficients

39-Y -83



106

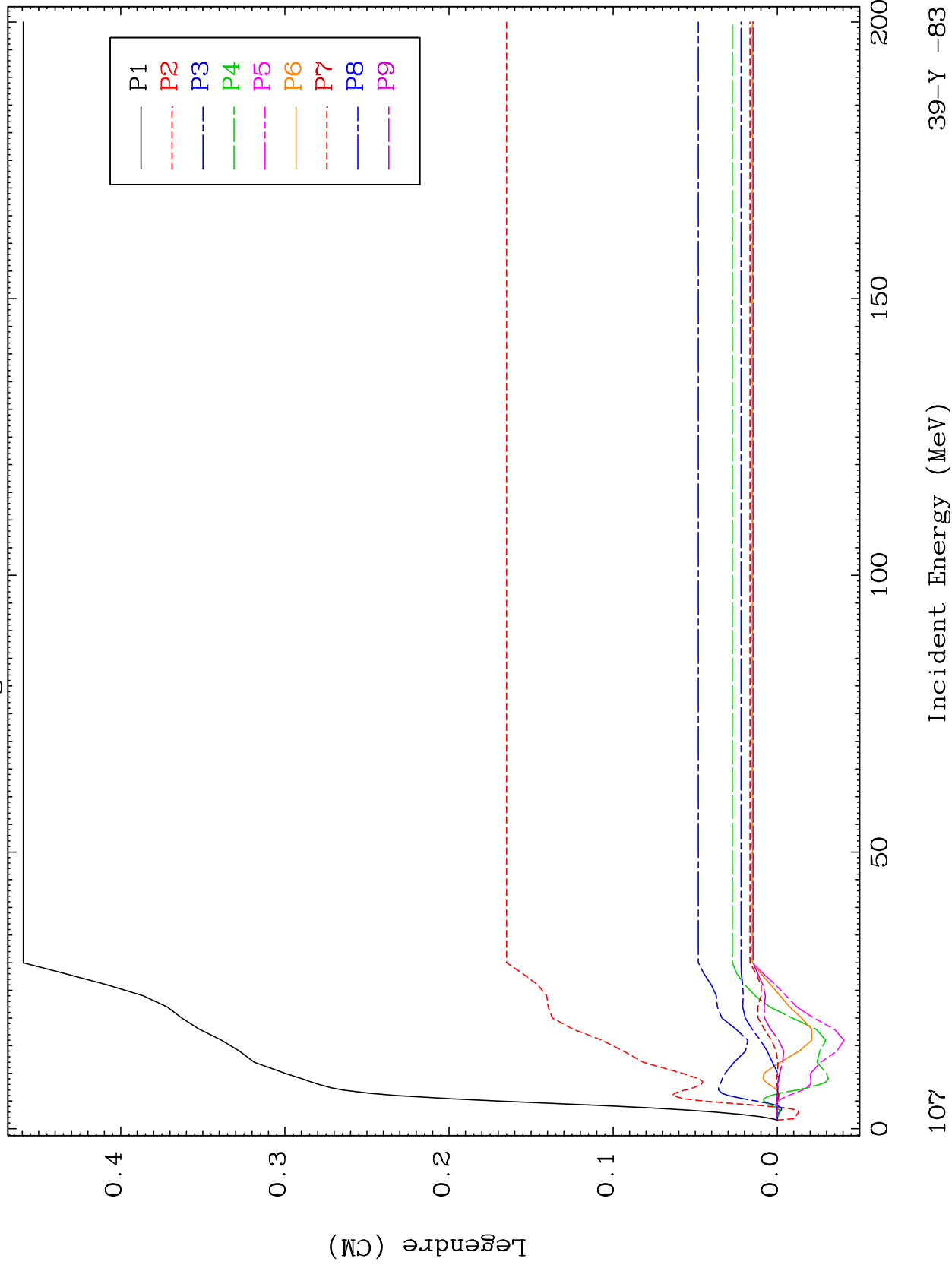
Incident Energy (MeV)

39-Y -83

MAT 3907

1.532 MeV (n,n') Level
Legendre Coefficients

39-Y -83



107

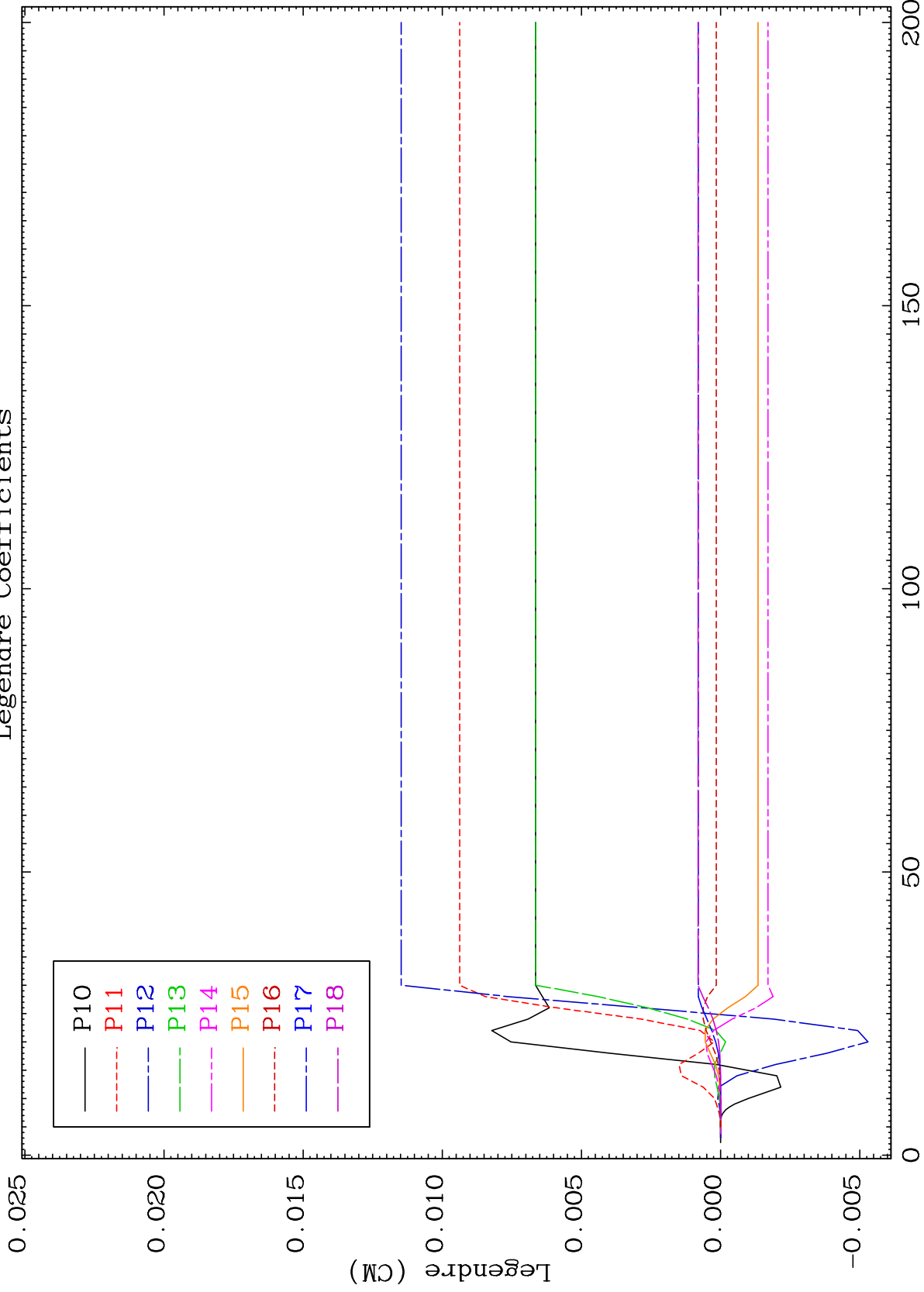
Incident Energy (MeV)

39-Y -83

MAT 3907

1.532 MeV (n,n') Level
Legendre Coefficients

39-Y -83



108

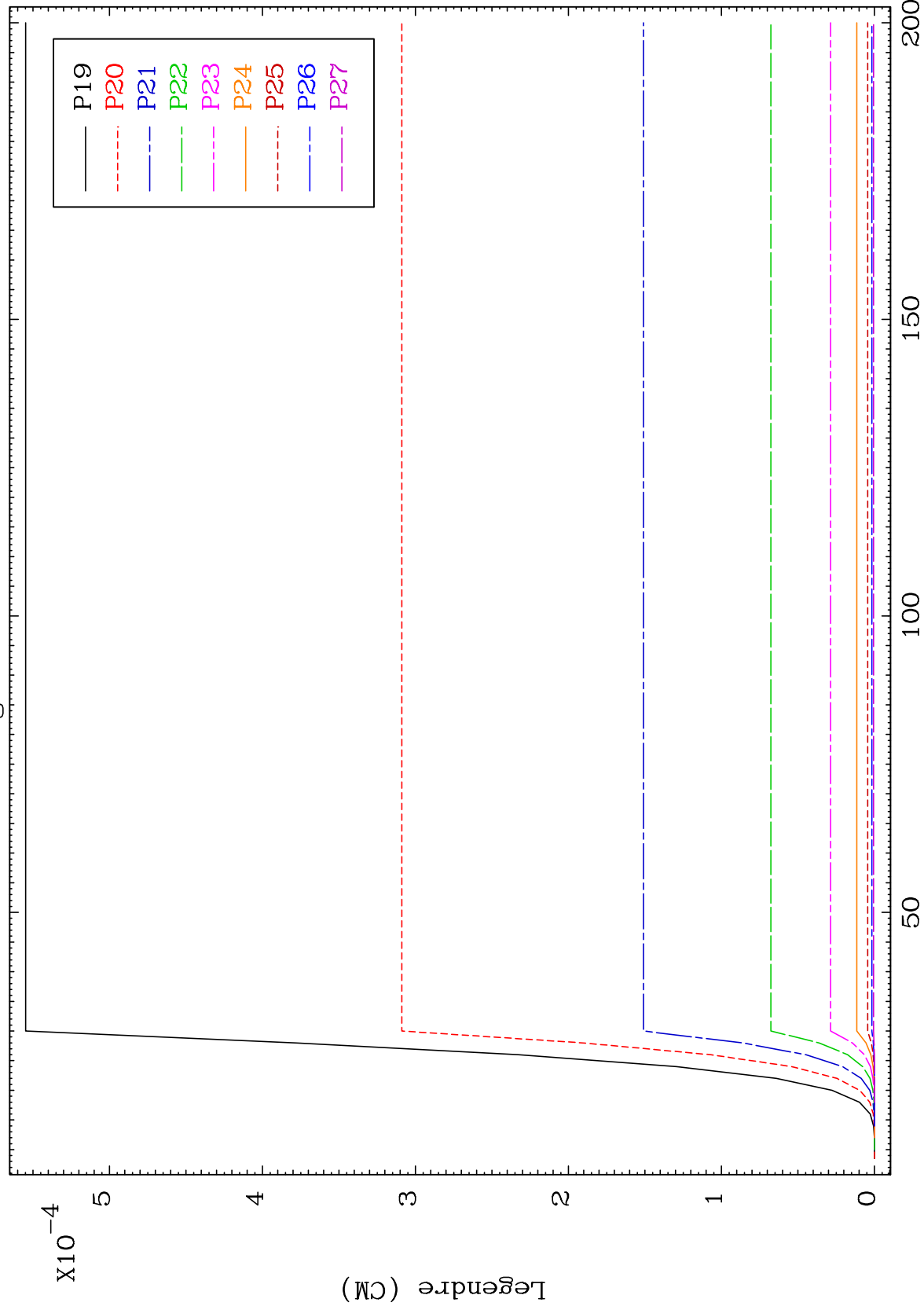
Incident Energy (MeV)

39-Y -83

MAT 3907

1.532 MeV (n,n') Level
Legendre Coefficients

39-Y -83



39-Y -83

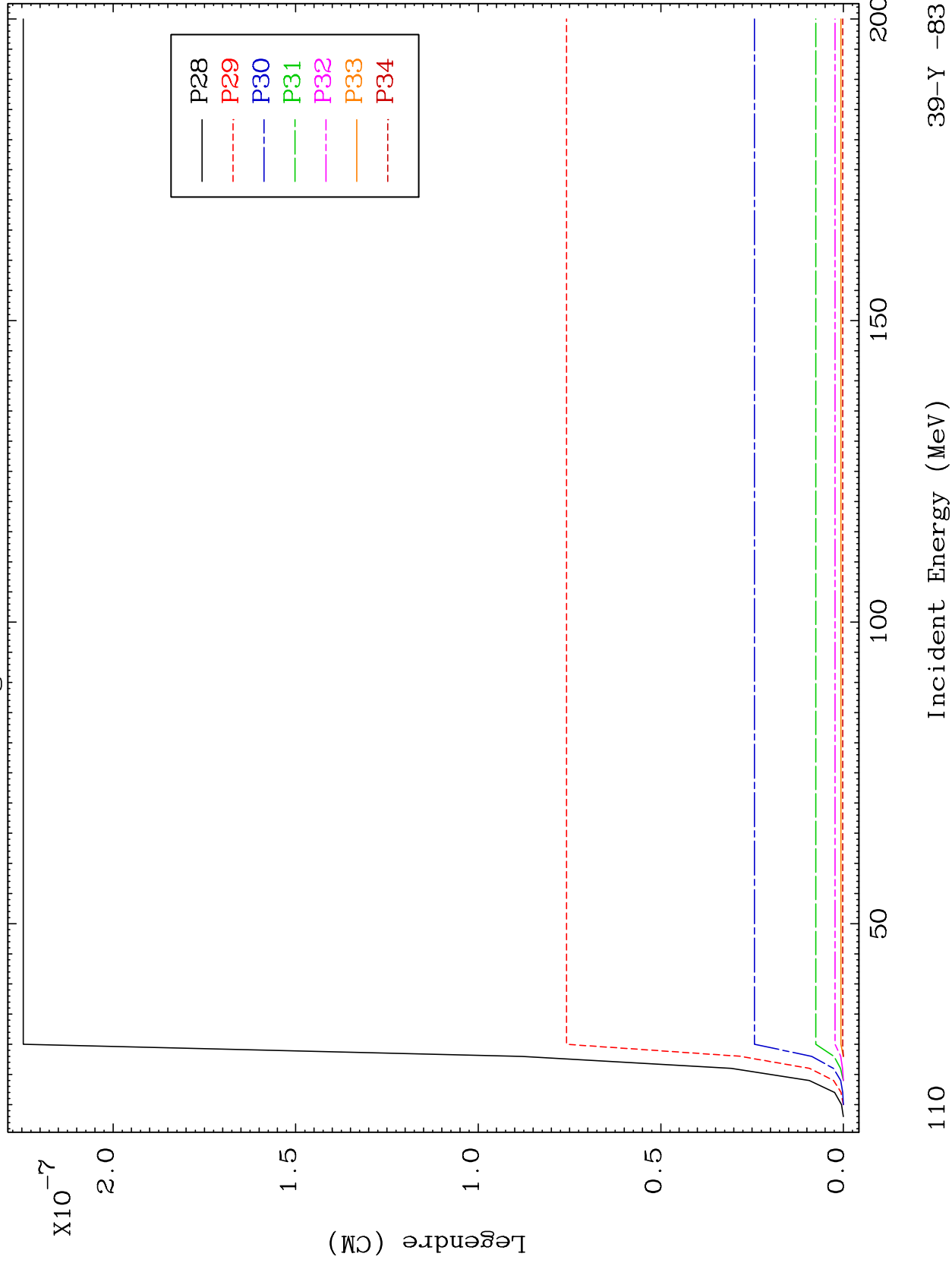
Incident Energy (MeV)

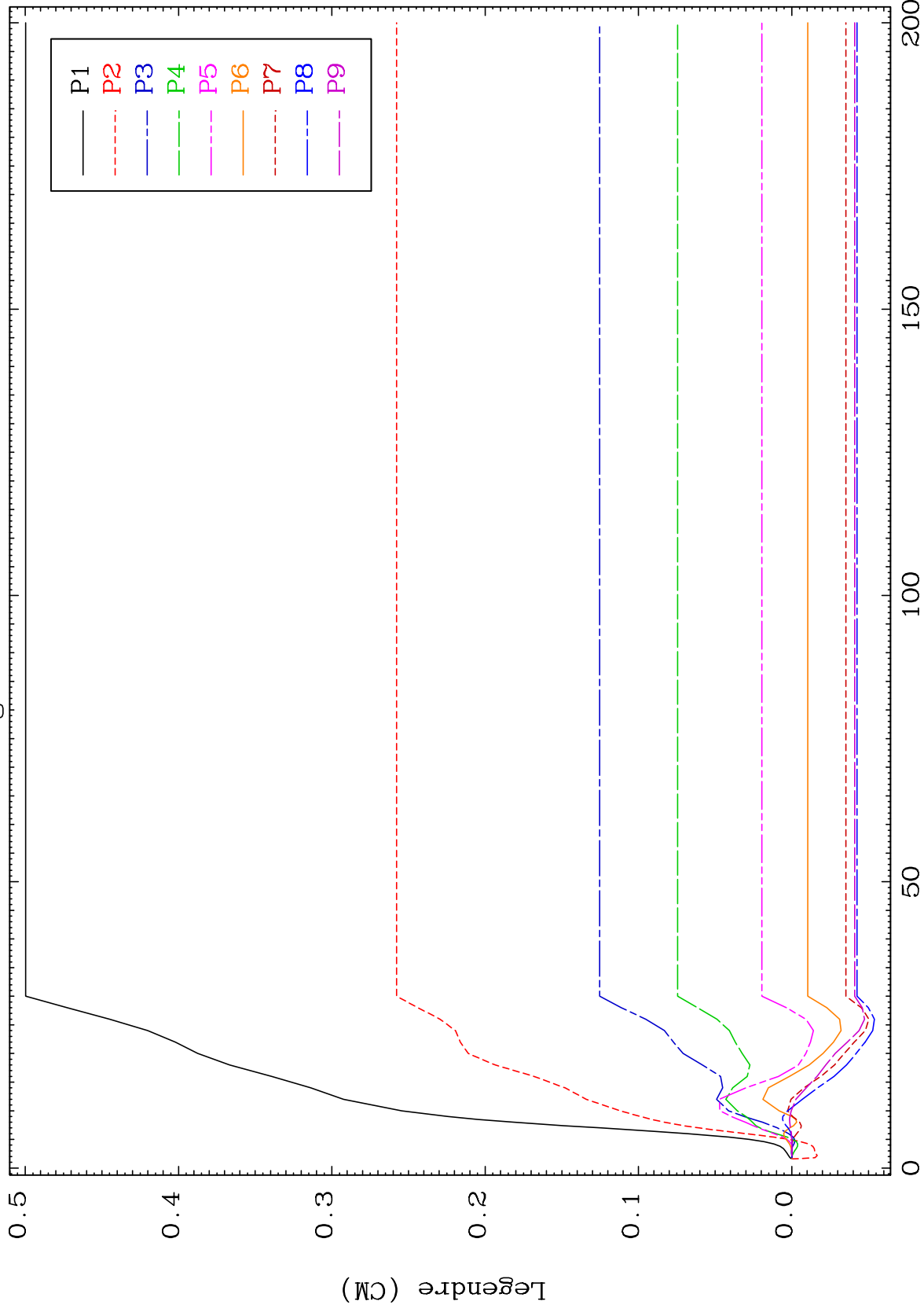
109

MAT 3907

1.532 MeV (n,n') Level
Legendre Coefficients

39-Y -83

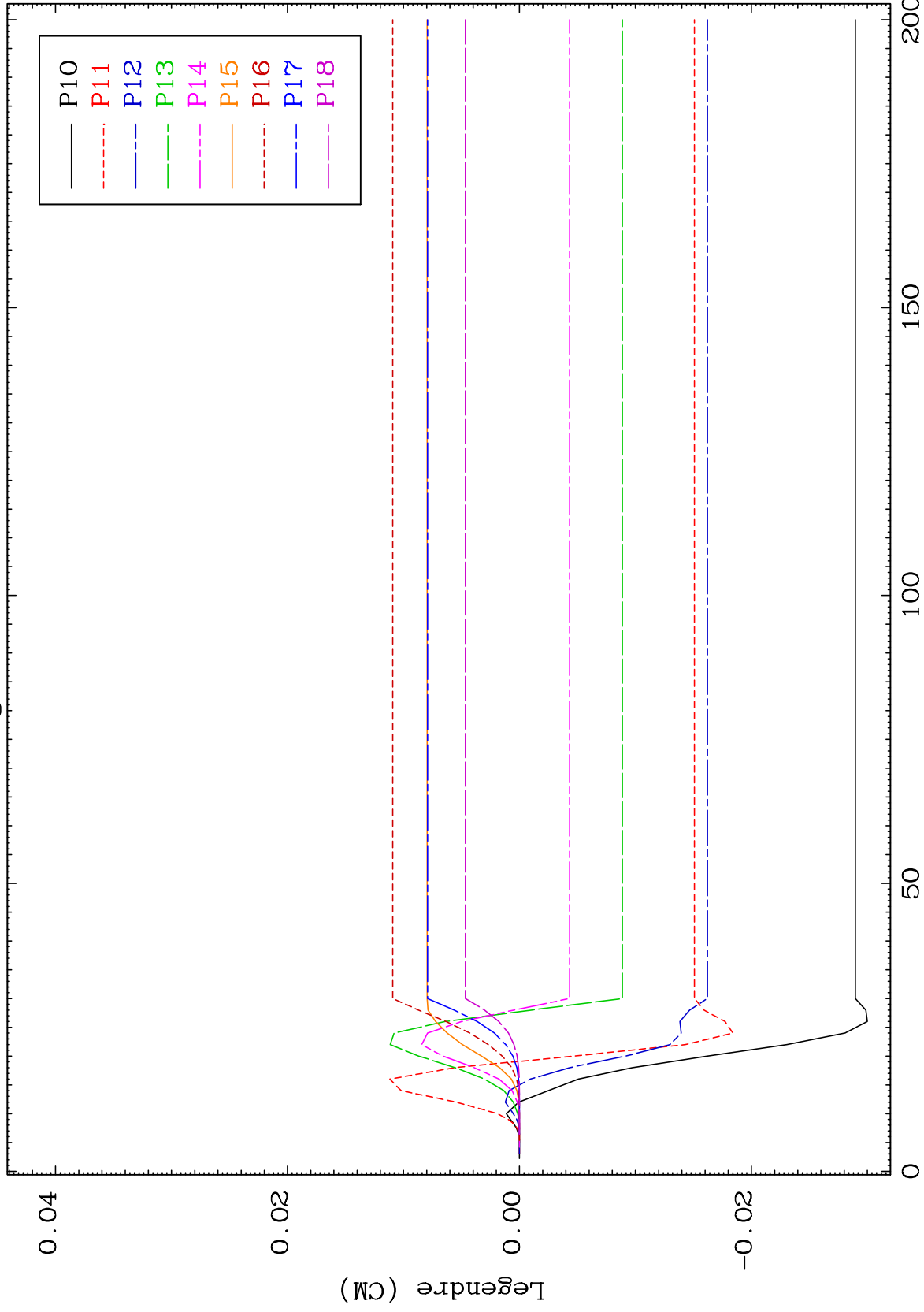




MAT 3907

1.566 MeV (n,n') Level
Legendre Coefficients

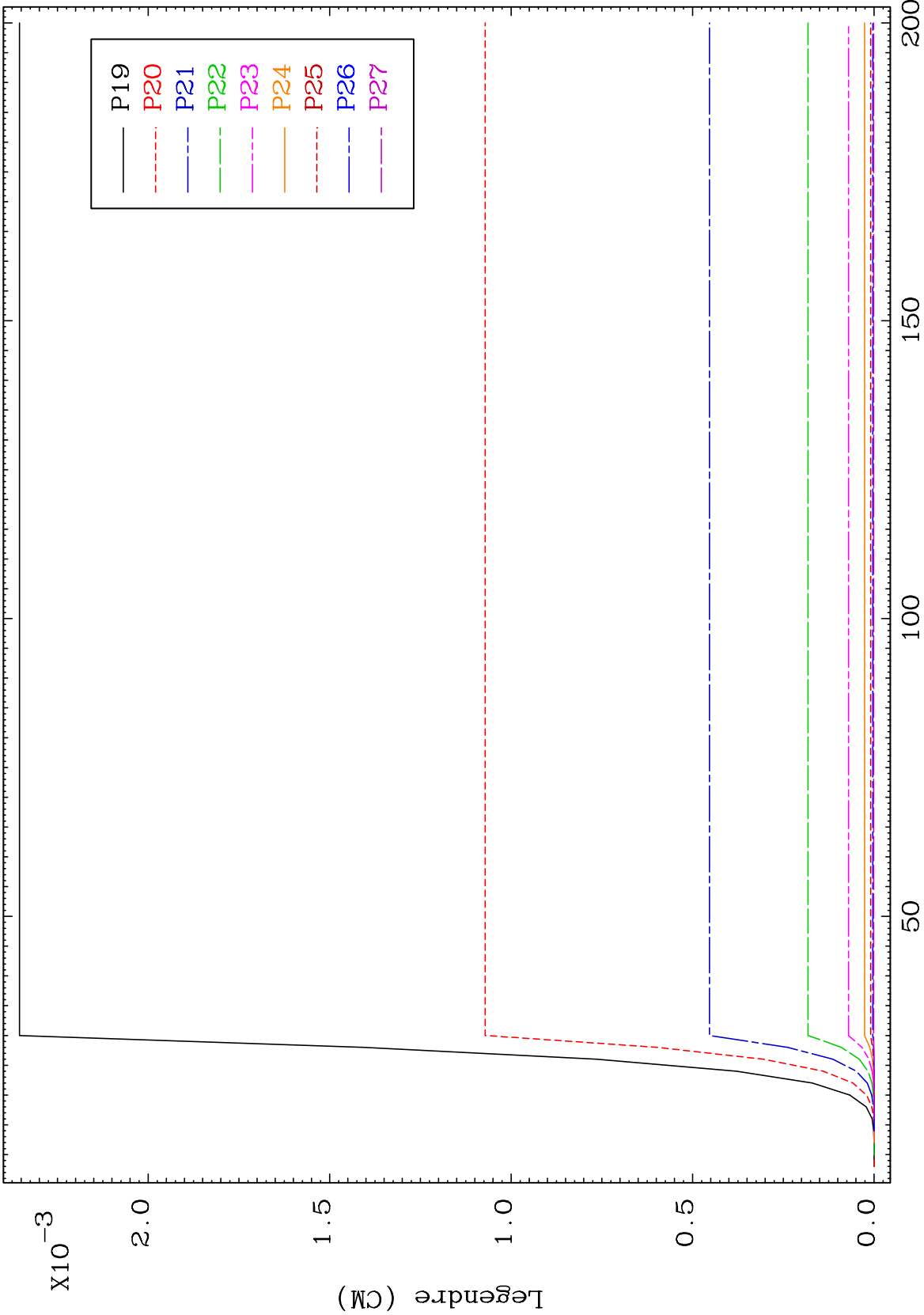
39-Y -83



112

Incident Energy (MeV)

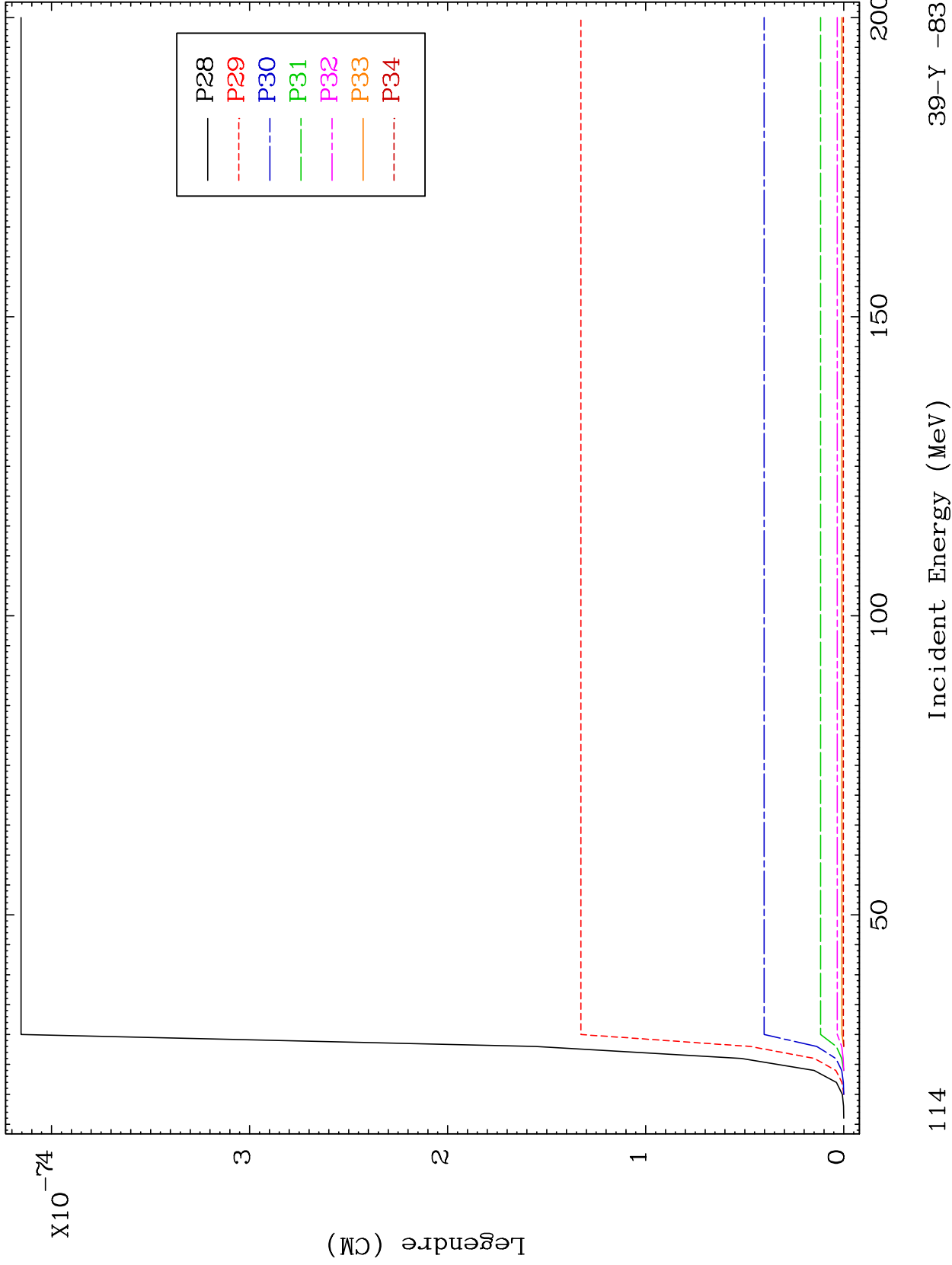
39-Y -83



MAT 3907

1.566 MeV (n,n') Level
Legendre Coefficients

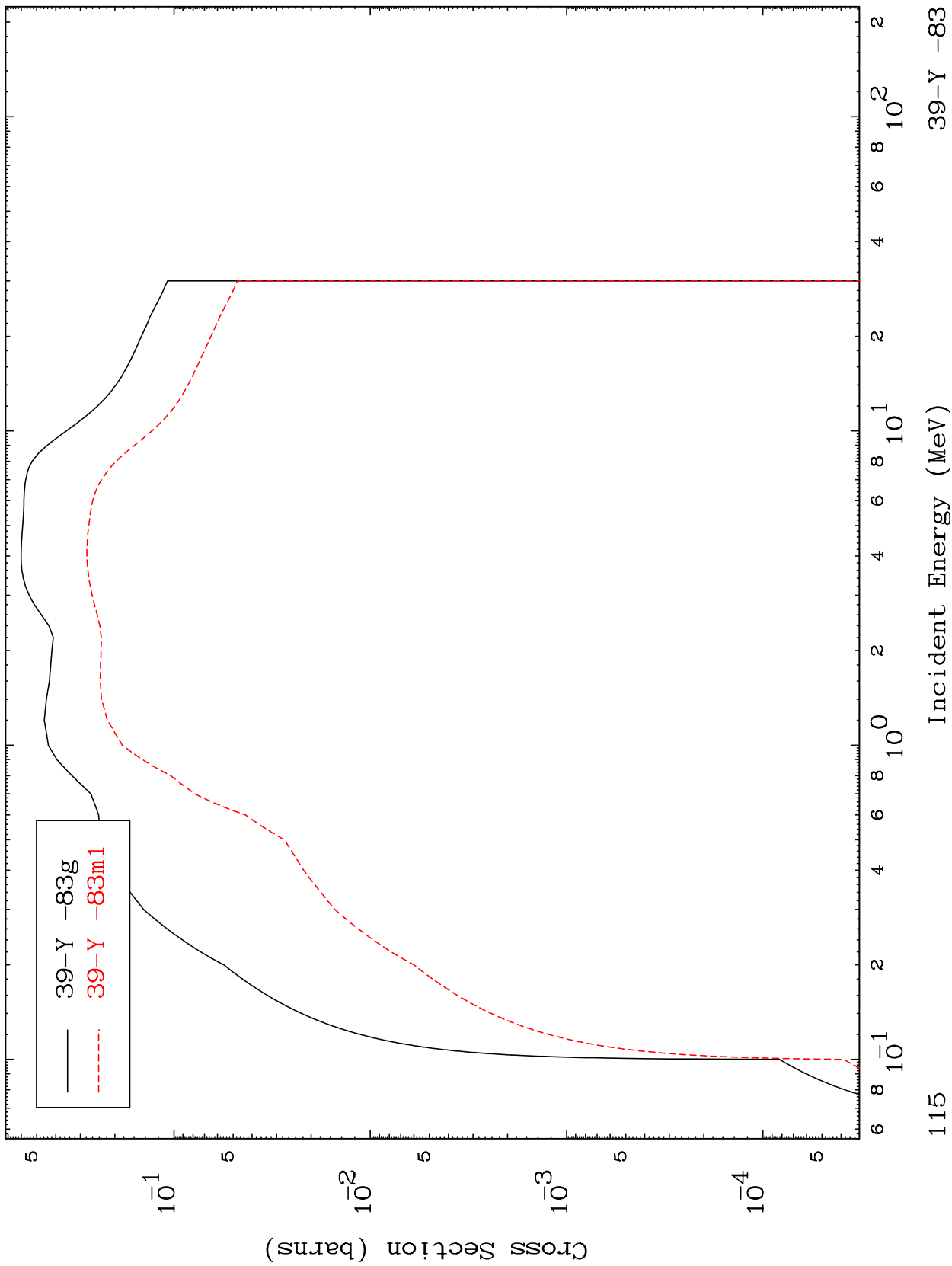
39-Y -83



MAT 3907

39-Y -83

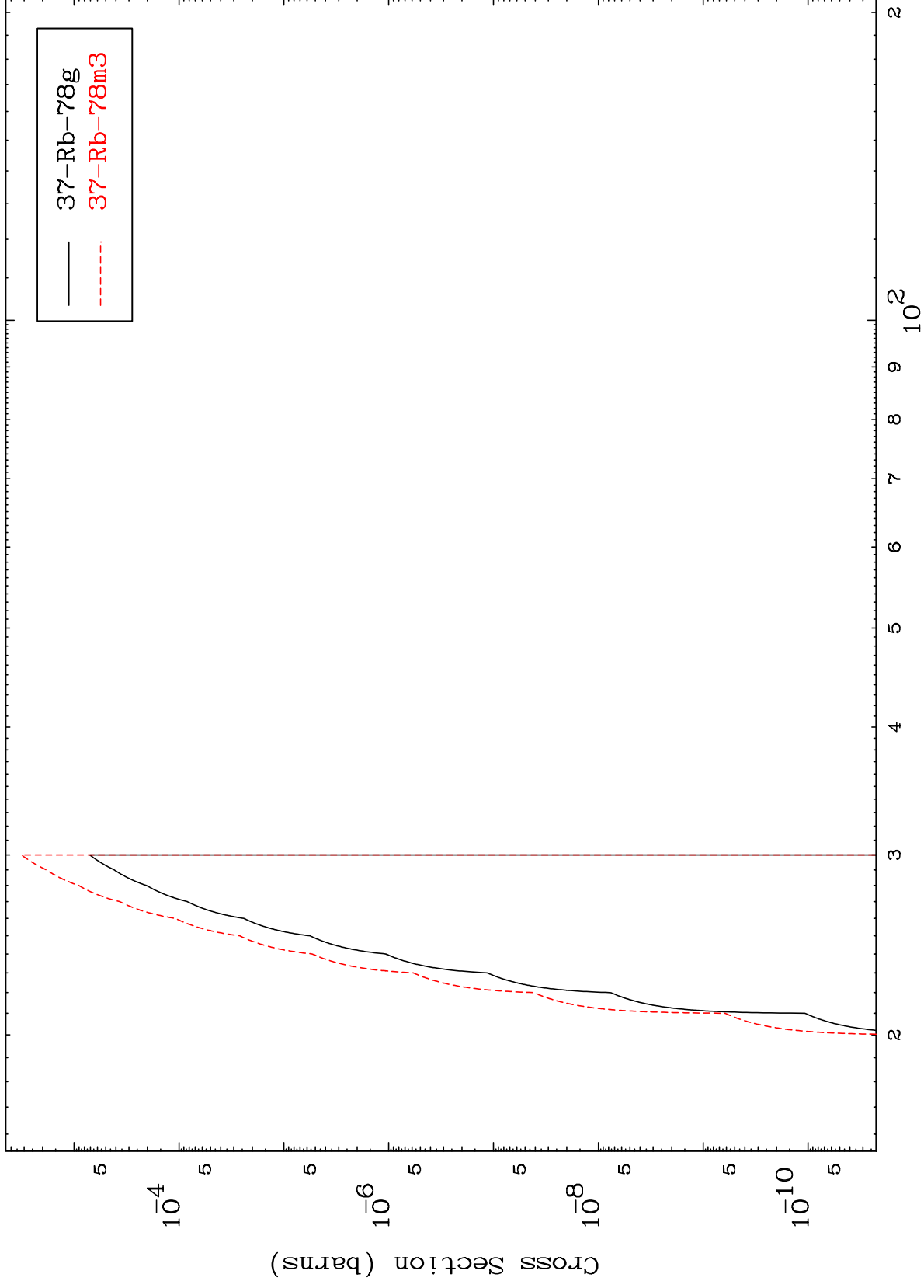
Inelastic
Radionuclide Production Cross Section



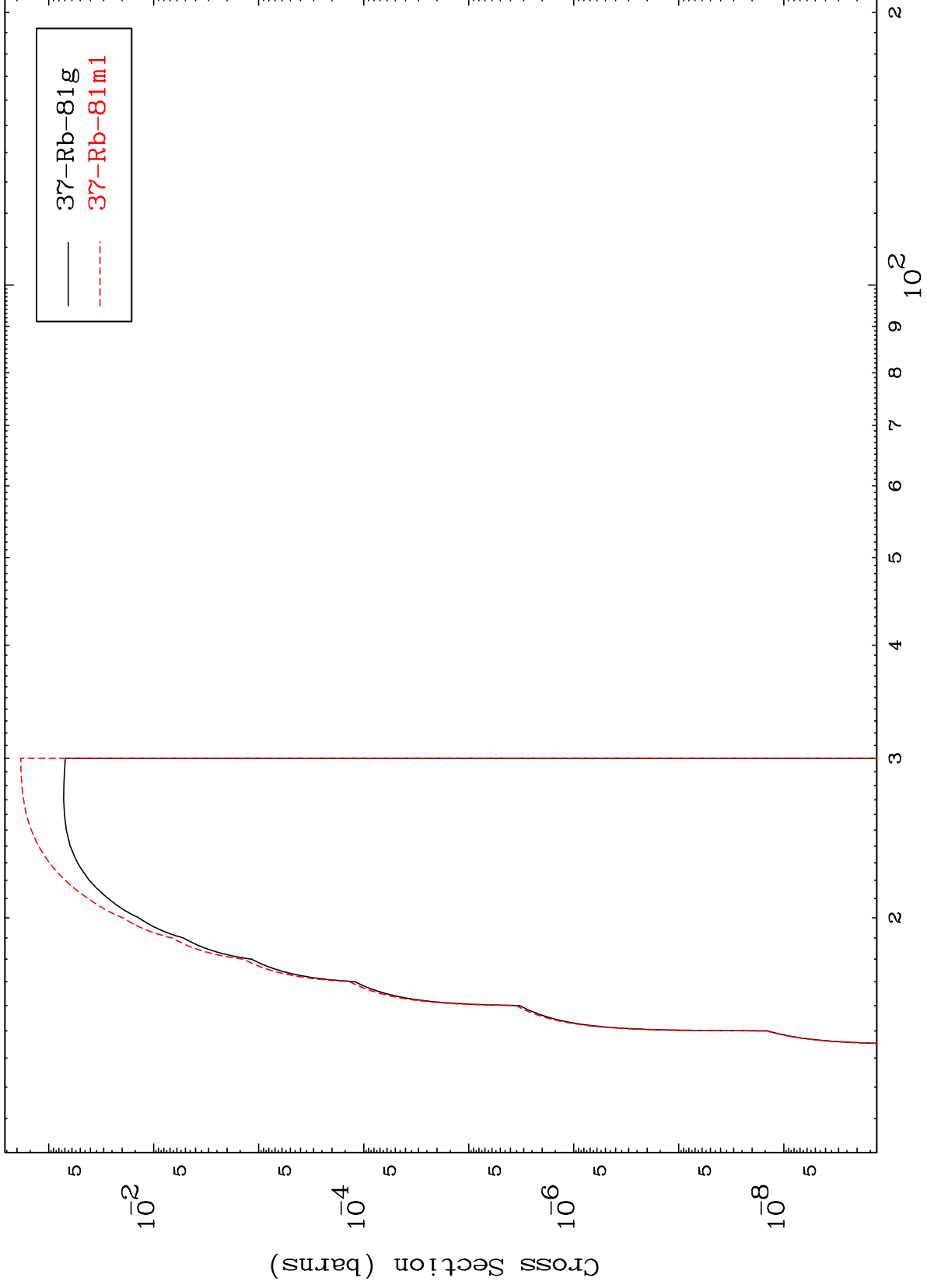
115

39-Y -83

Radionuclide Production Cross Section



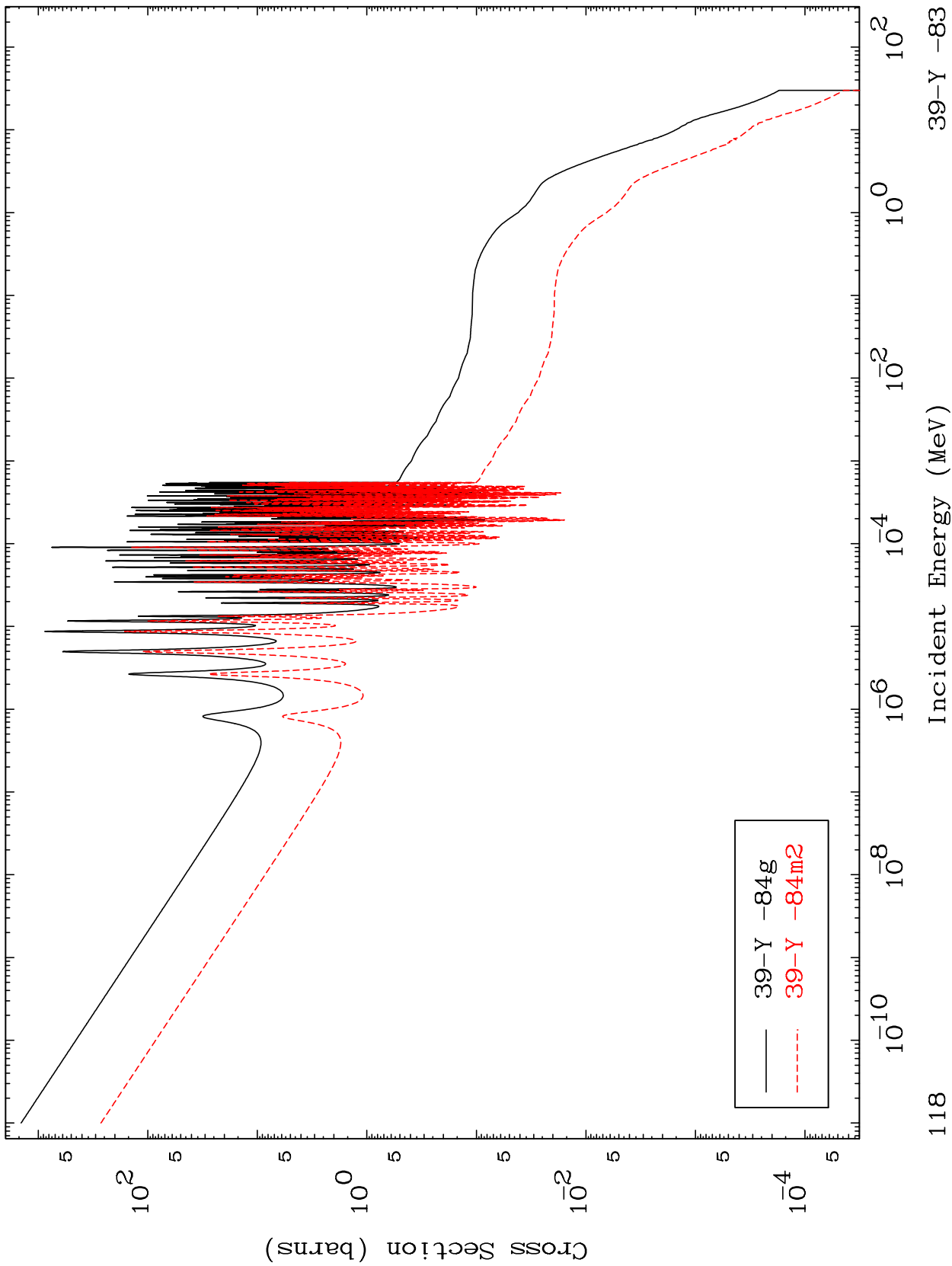
Radionuclide Production Cross Section



MAT 3907

39-Y -83

Radionuclide Production Cross Section
(n, γ)



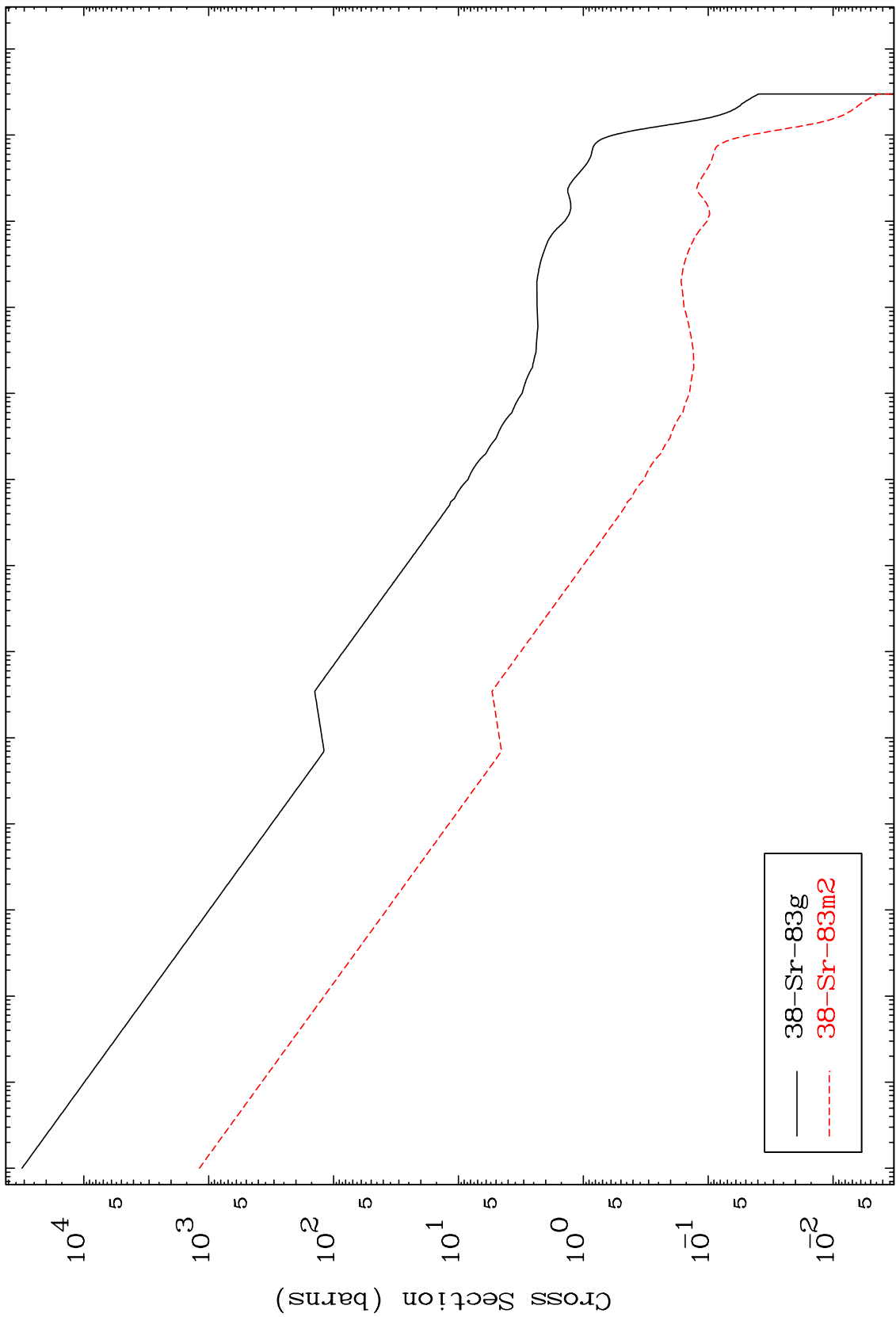
118

39-Y -83

MAT 3907

39-Y -83

(n,p)
Radionuclide Production Cross Section



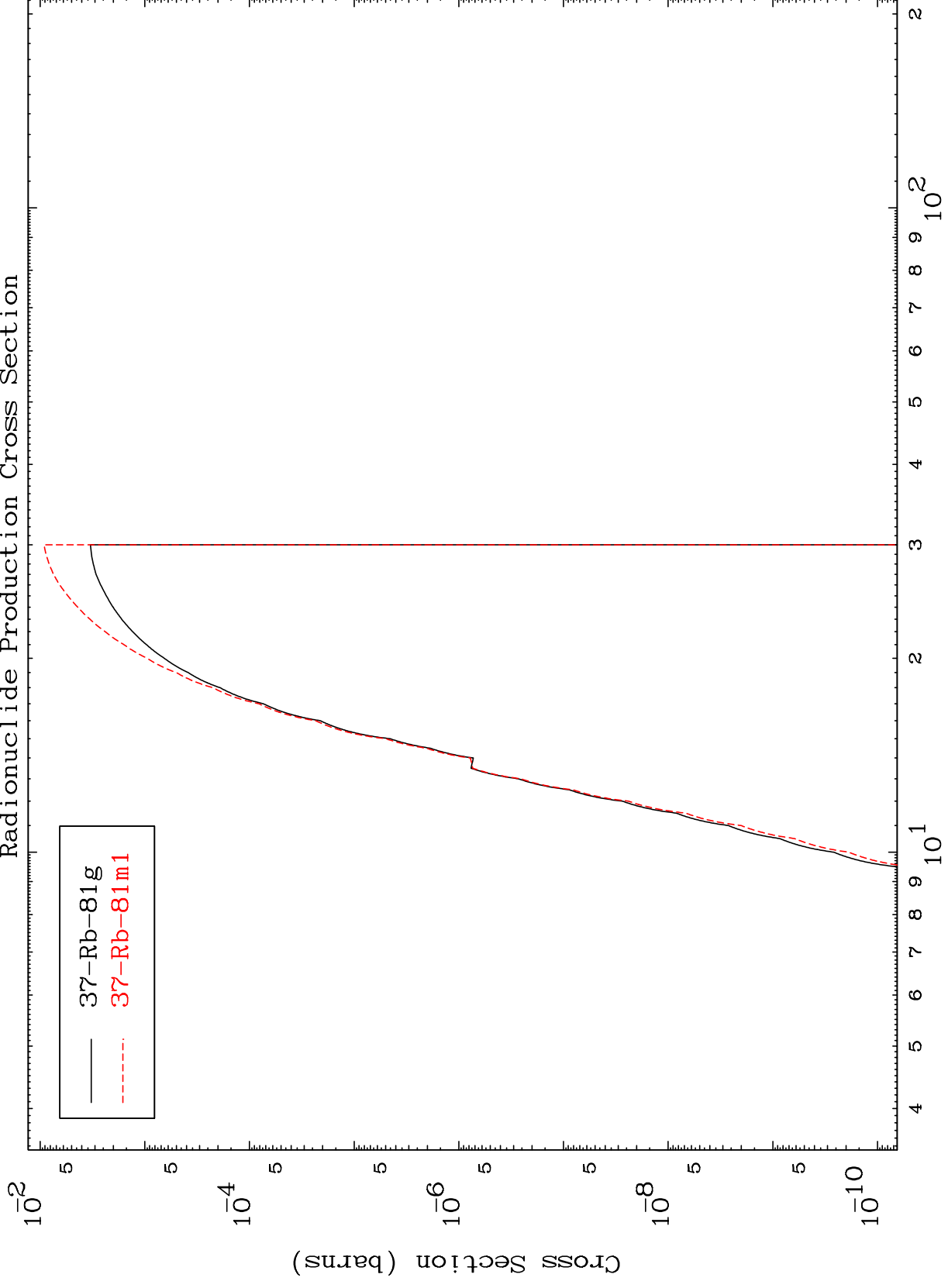
— 38-Sr-83g
- - - 38-Sr-83m2

MAT 3907

(n,He-3)

39-Y -83

Radionuclide Production Cross Section



120

Incident Energy (MeV)

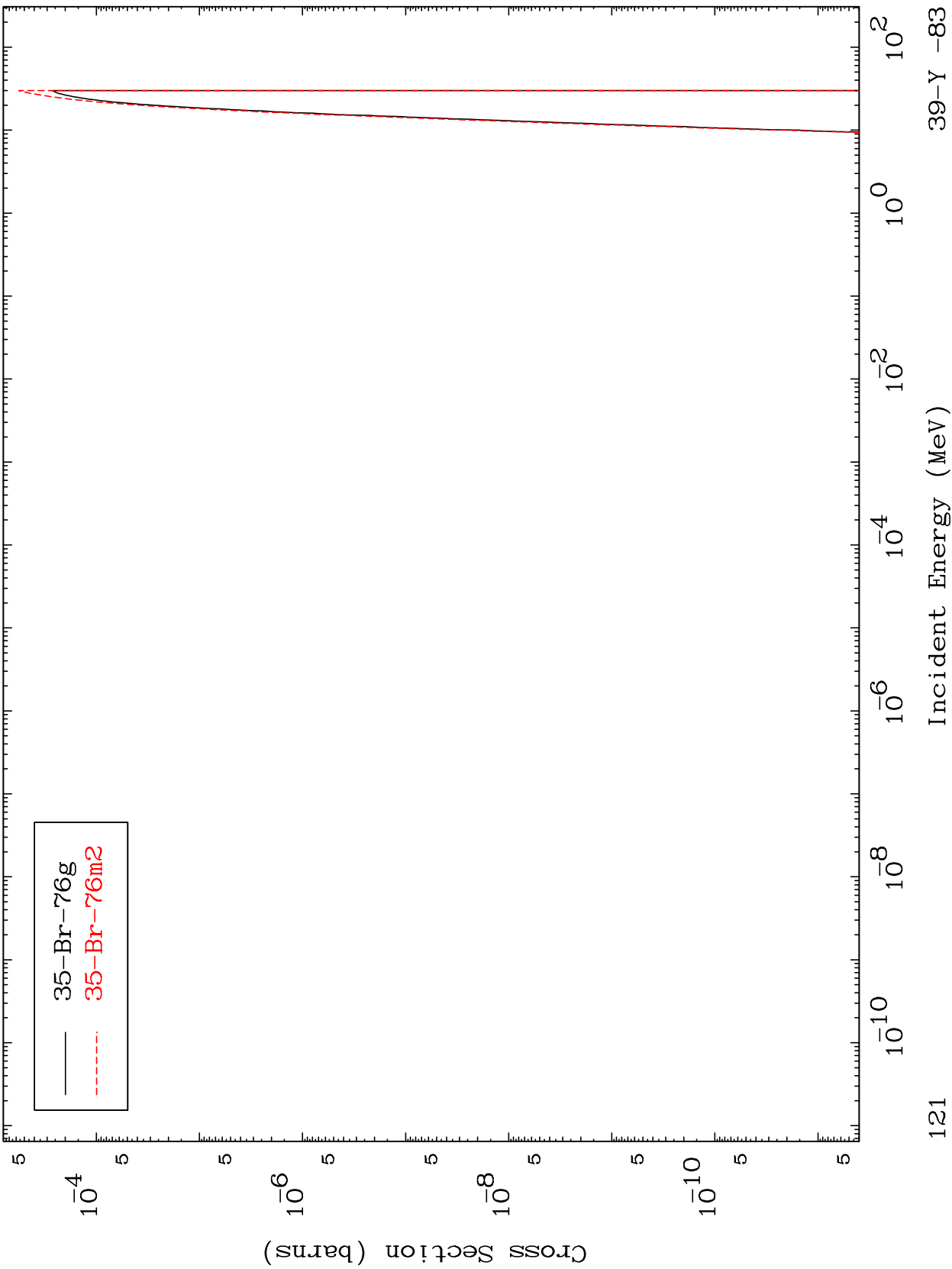
39-Y -83

MAT 3907

(n,2α)

39-Y -83

Radionuclide Production Cross Section



121

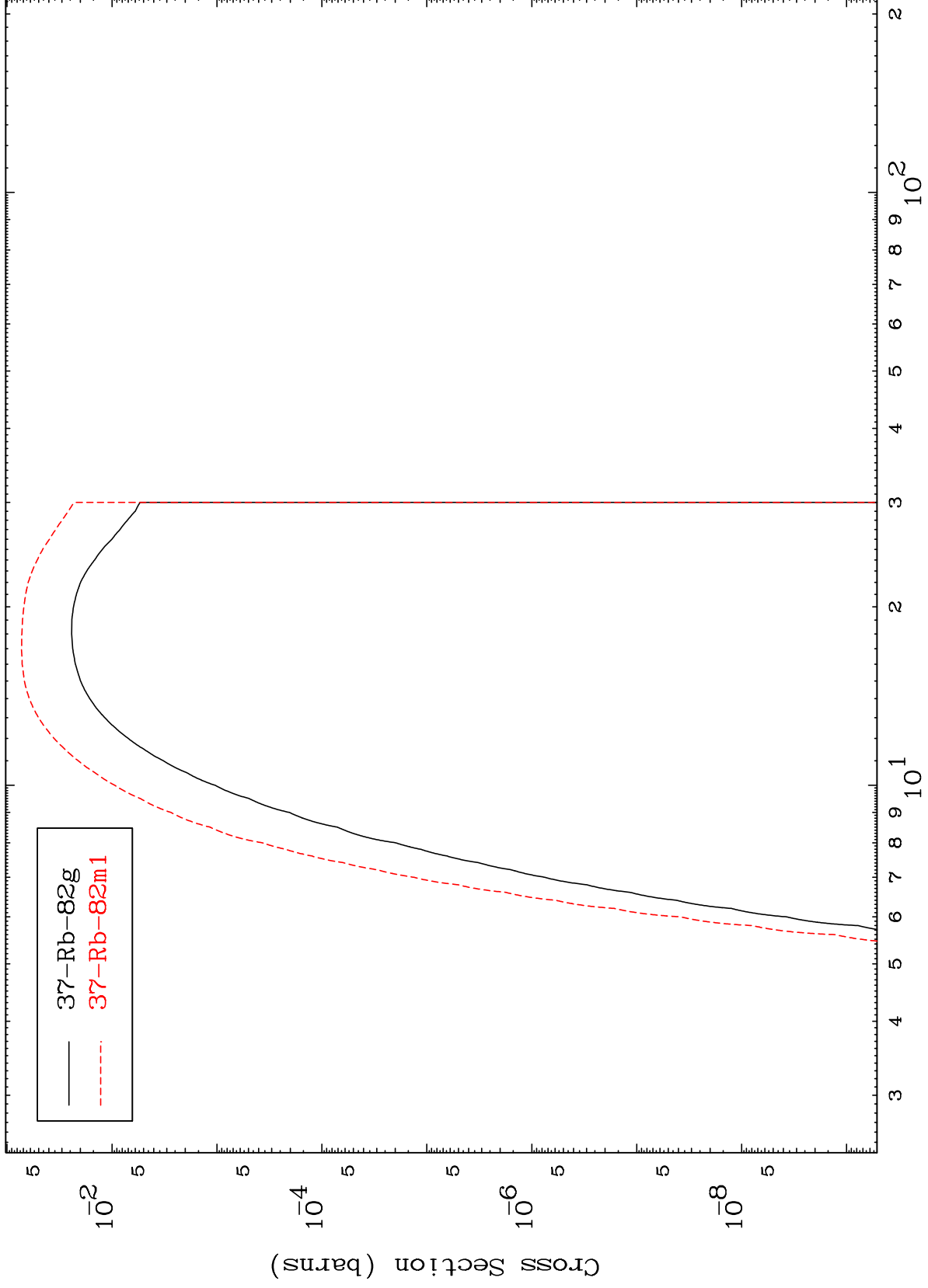
Incident Energy (MeV)

39-Y -83

MAT 3907

39-Y -83

Radionuclide Production Cross Section
(n,2p)



122

Incident Energy (MeV)

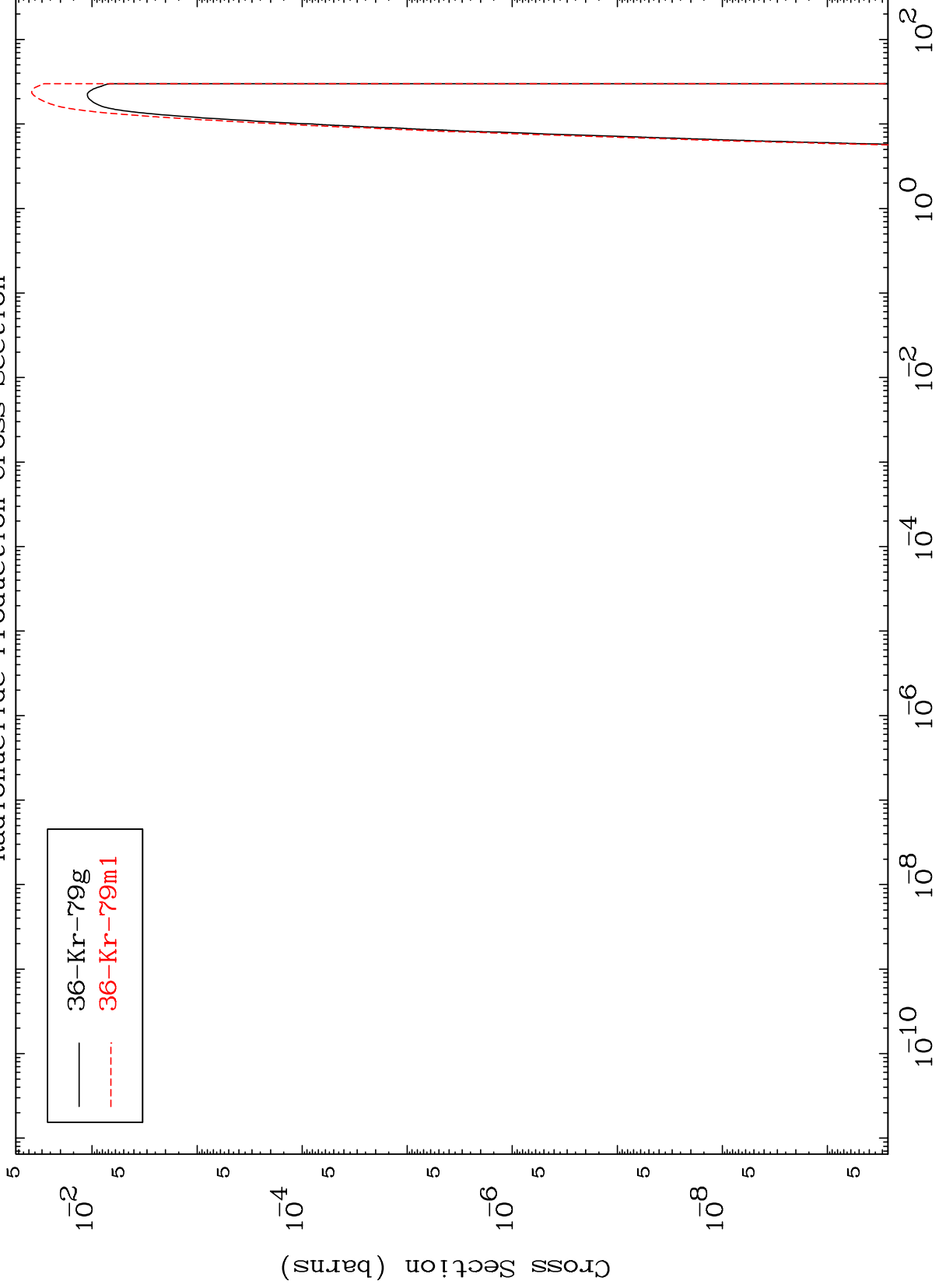
39-Y -83

MAT 3907

(n,p) α

39-Y -83

Radionuclide Production Cross Section



— 36-Kr-79g
- - - 36-Kr-79m1

