

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

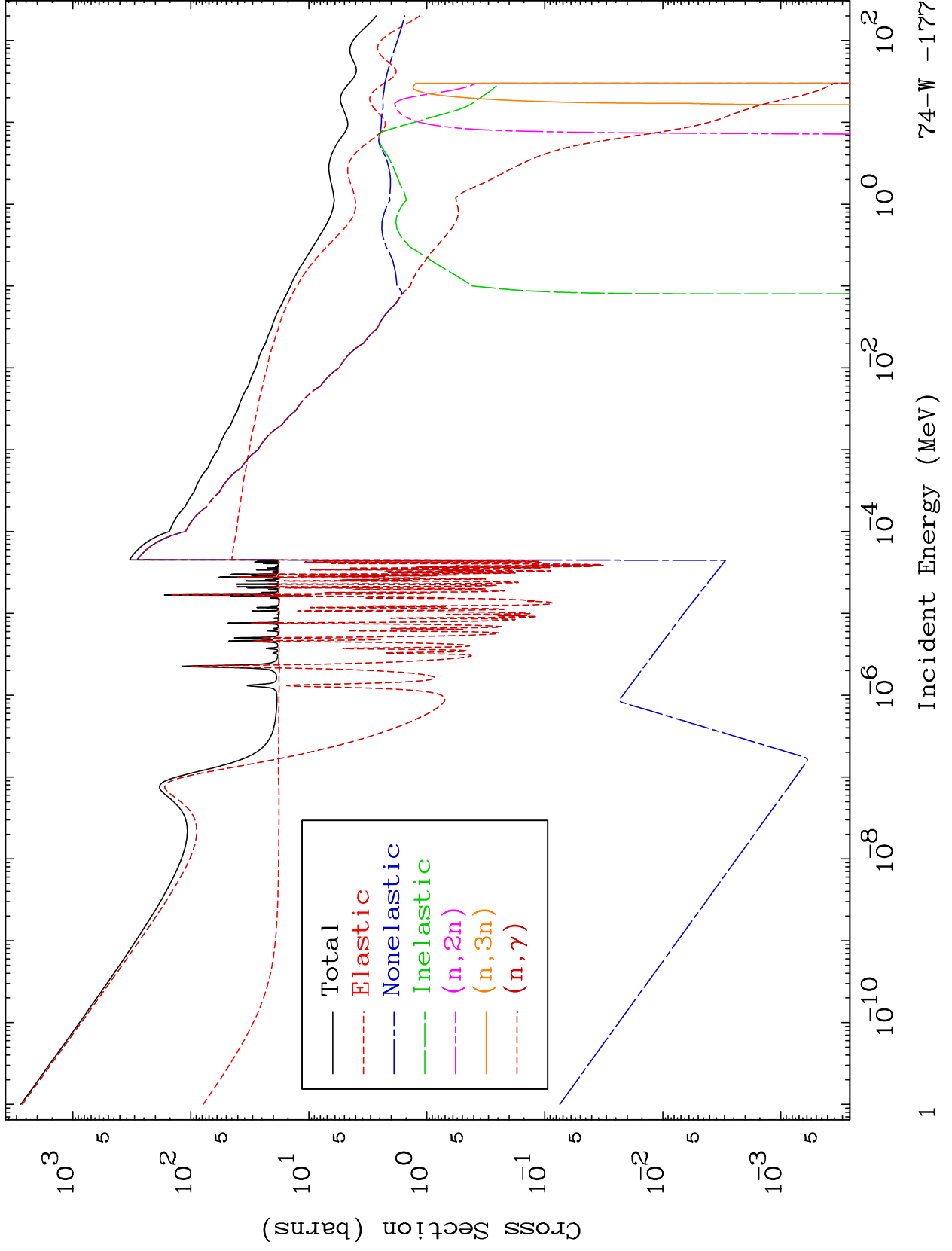
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7416

Neutron Major  
293 Kelvin Cross Sections

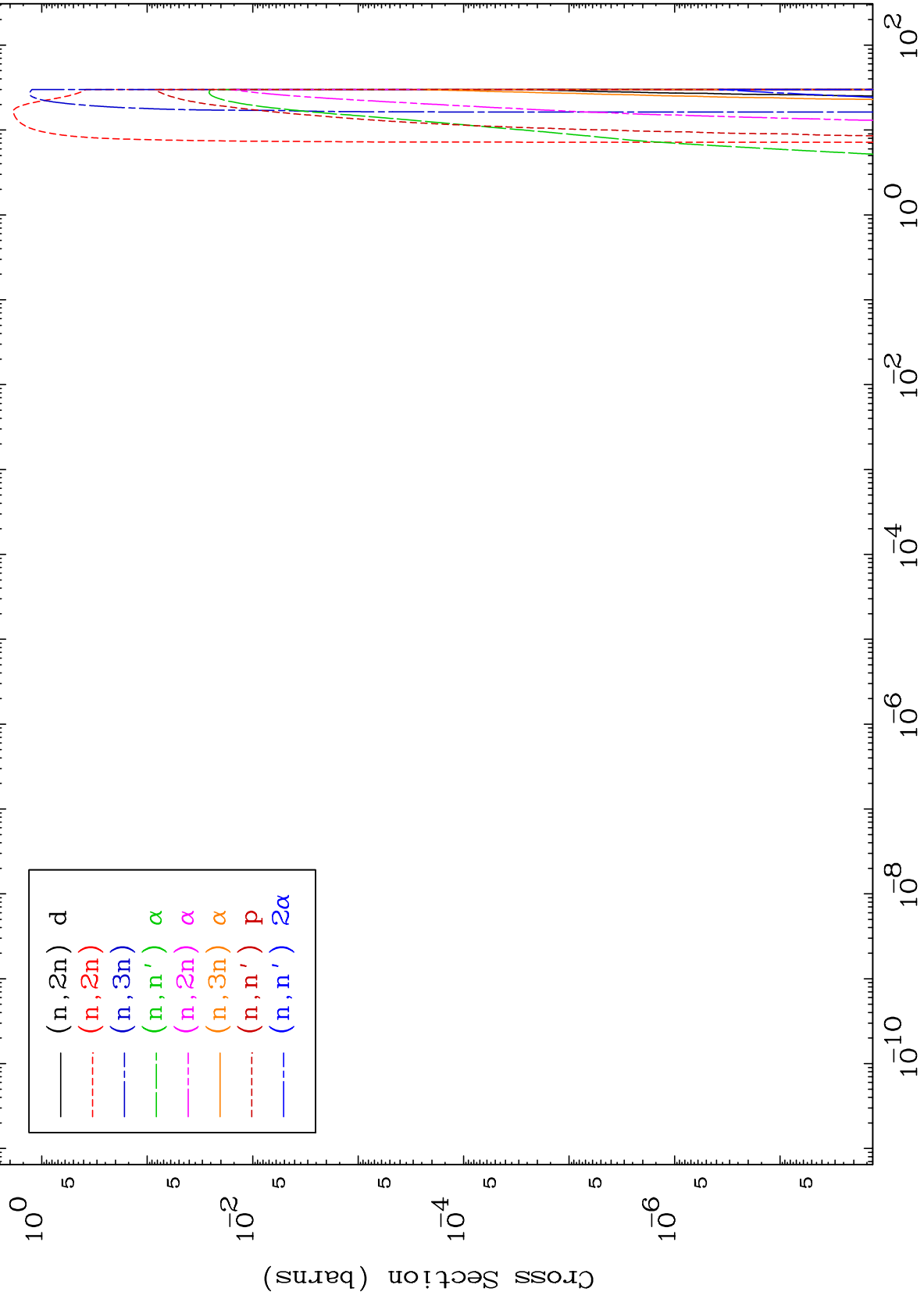
74-W -177



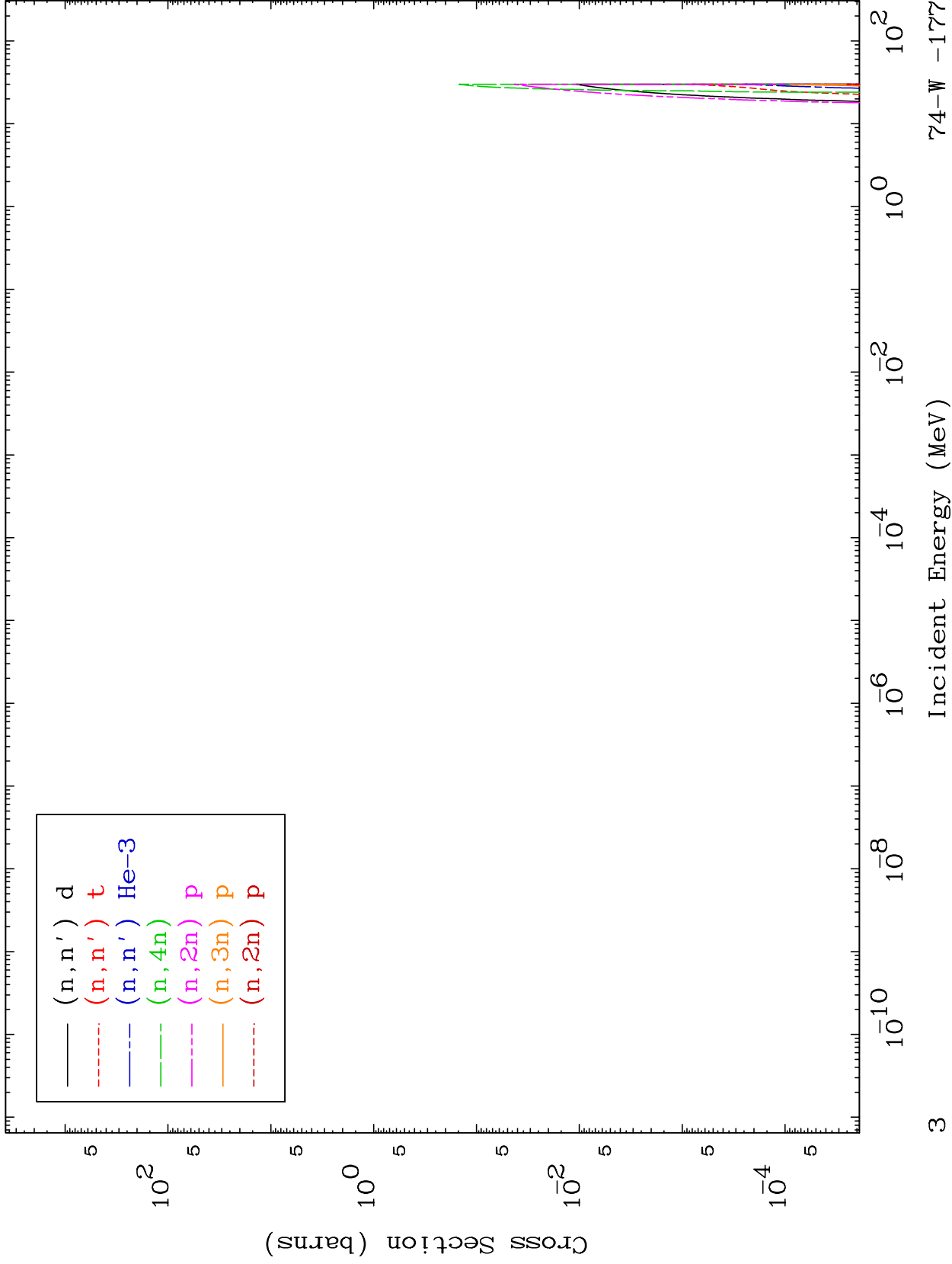
MAT 7416

Neutron Absorption  
293 Kelvin Cross Sections

74-W -177



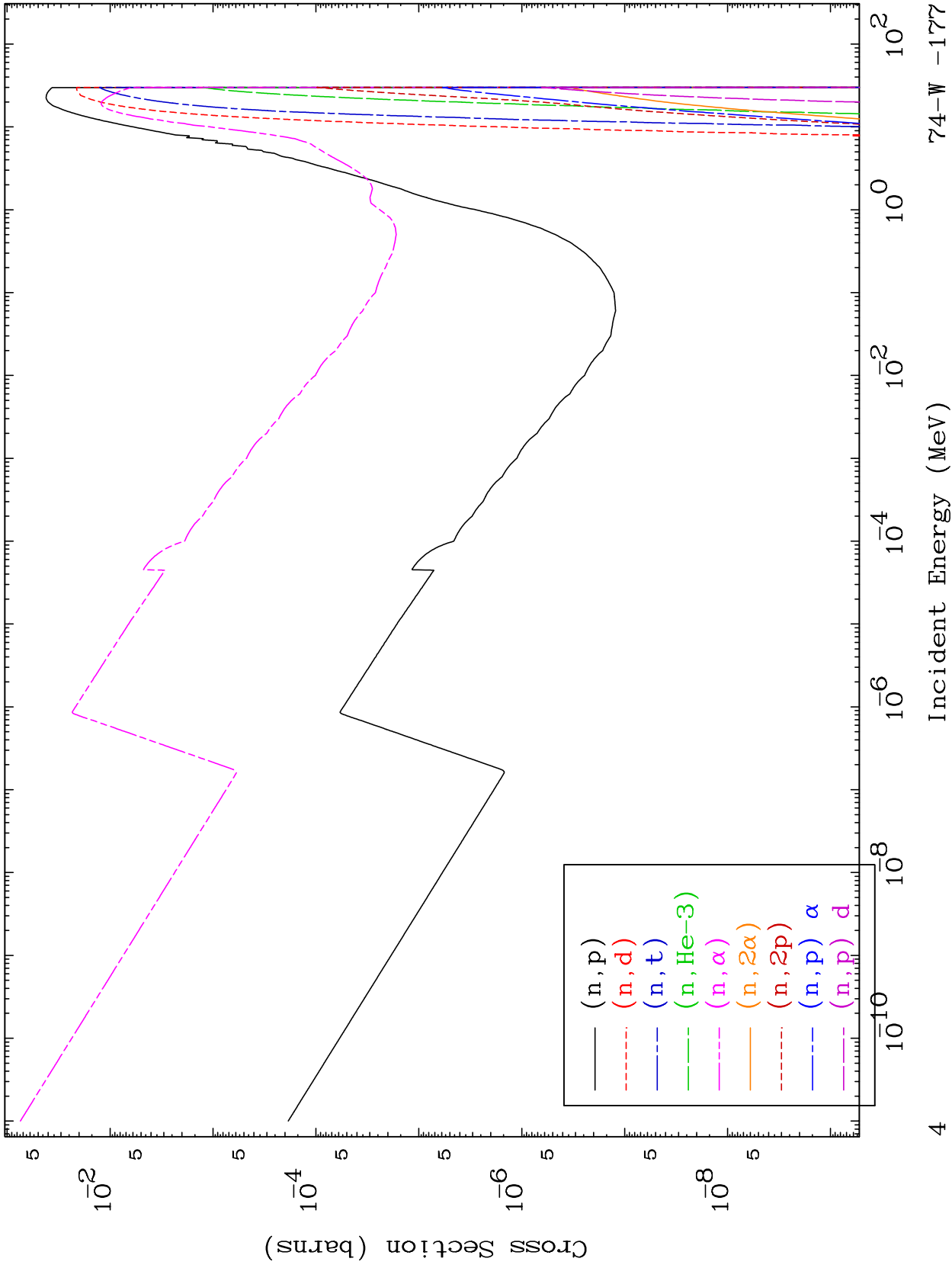
74-W -177

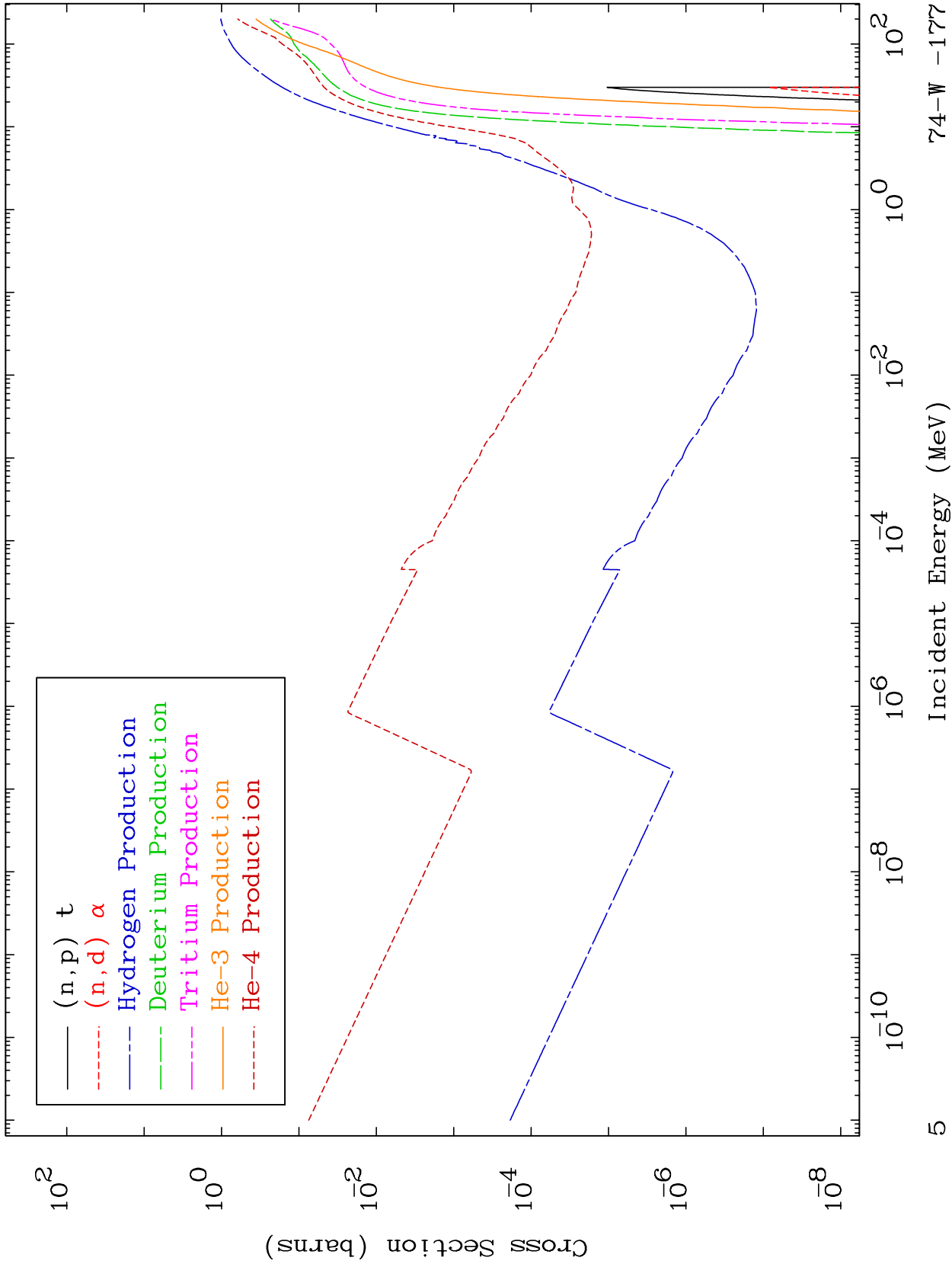


MAT 7416

Neutron Absorption  
293 Kelvin Cross Sections

74-W -177

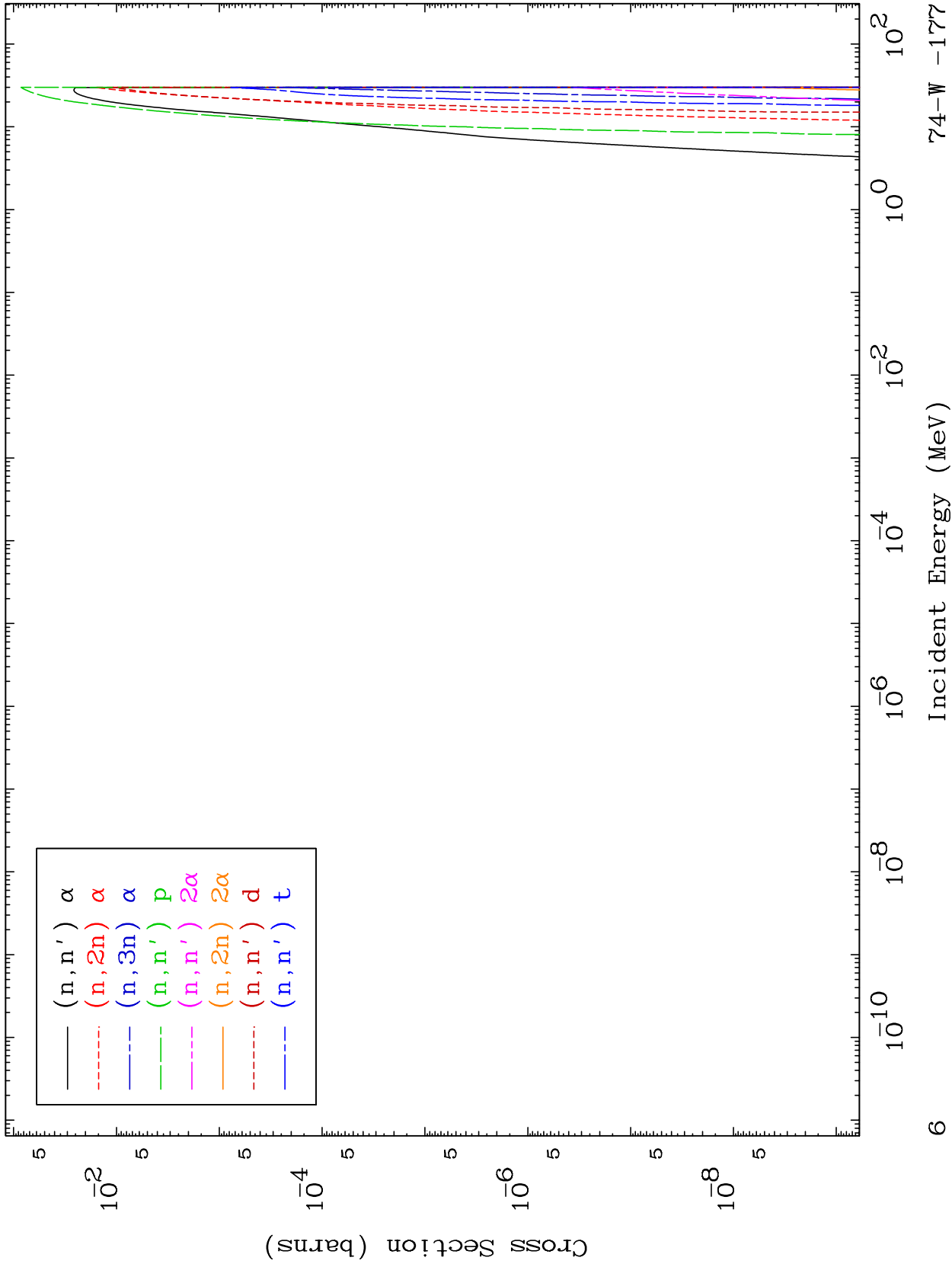


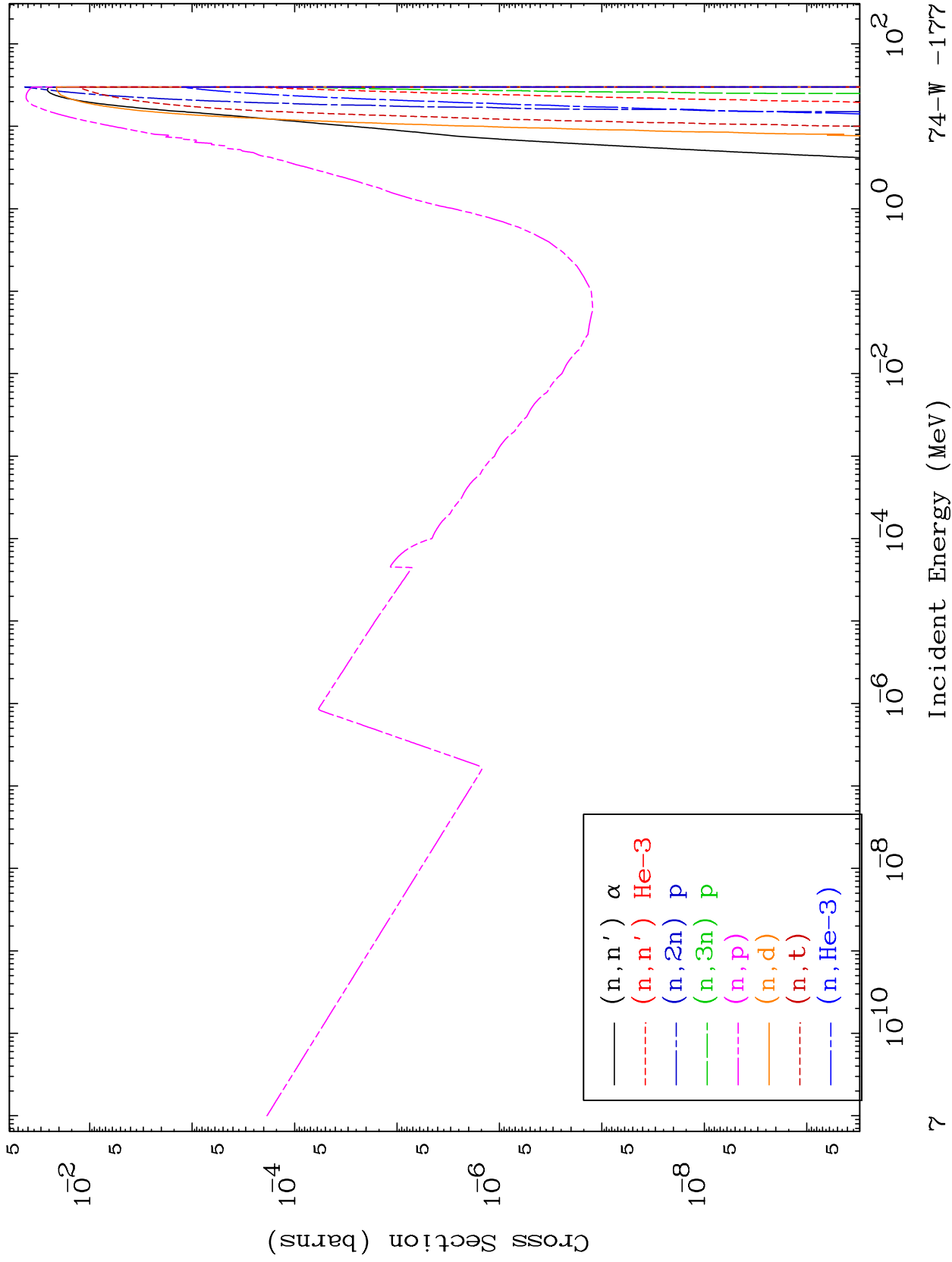


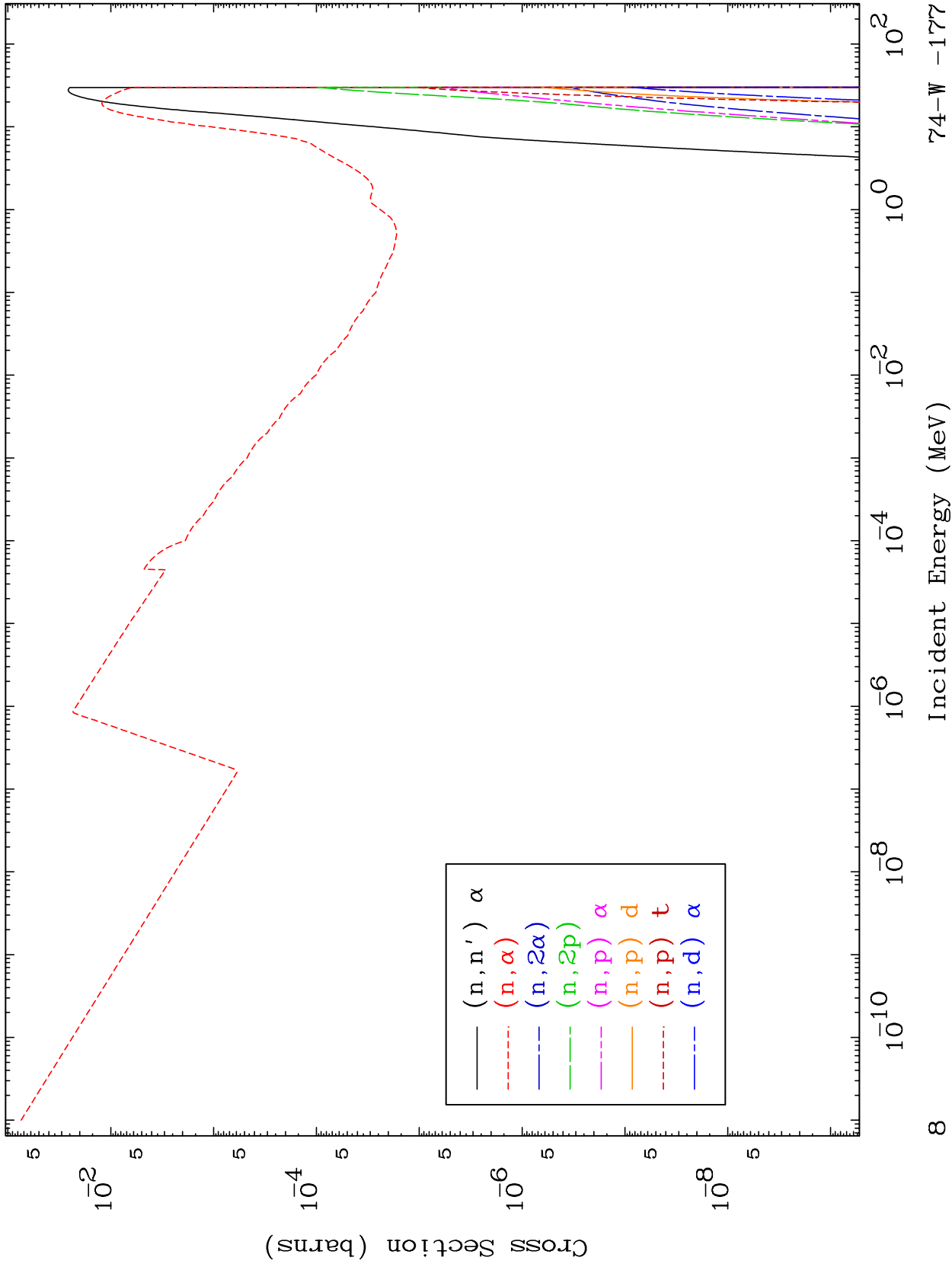
MAT 7416

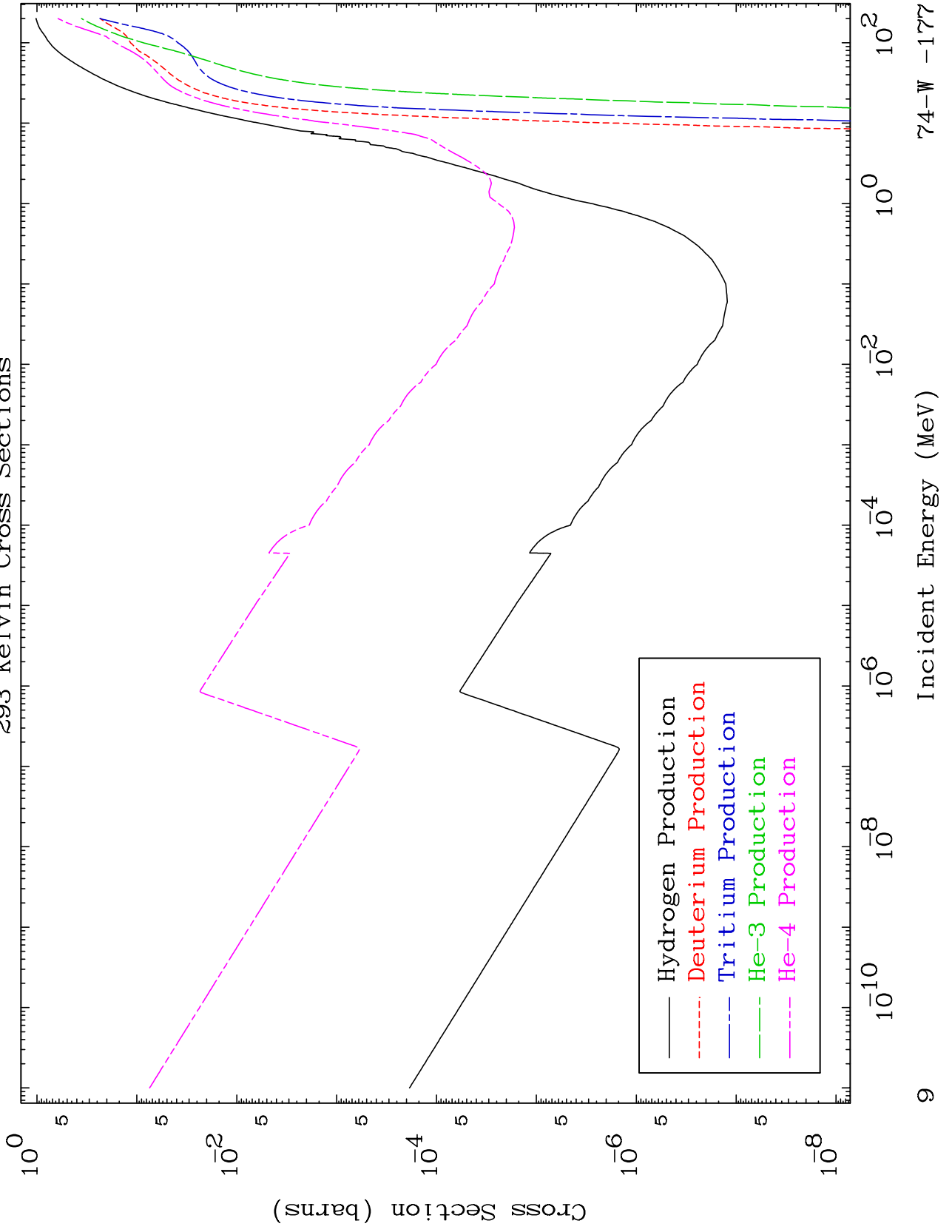
Charged Particle  
293 Kelvin Cross Sections

74-W -177

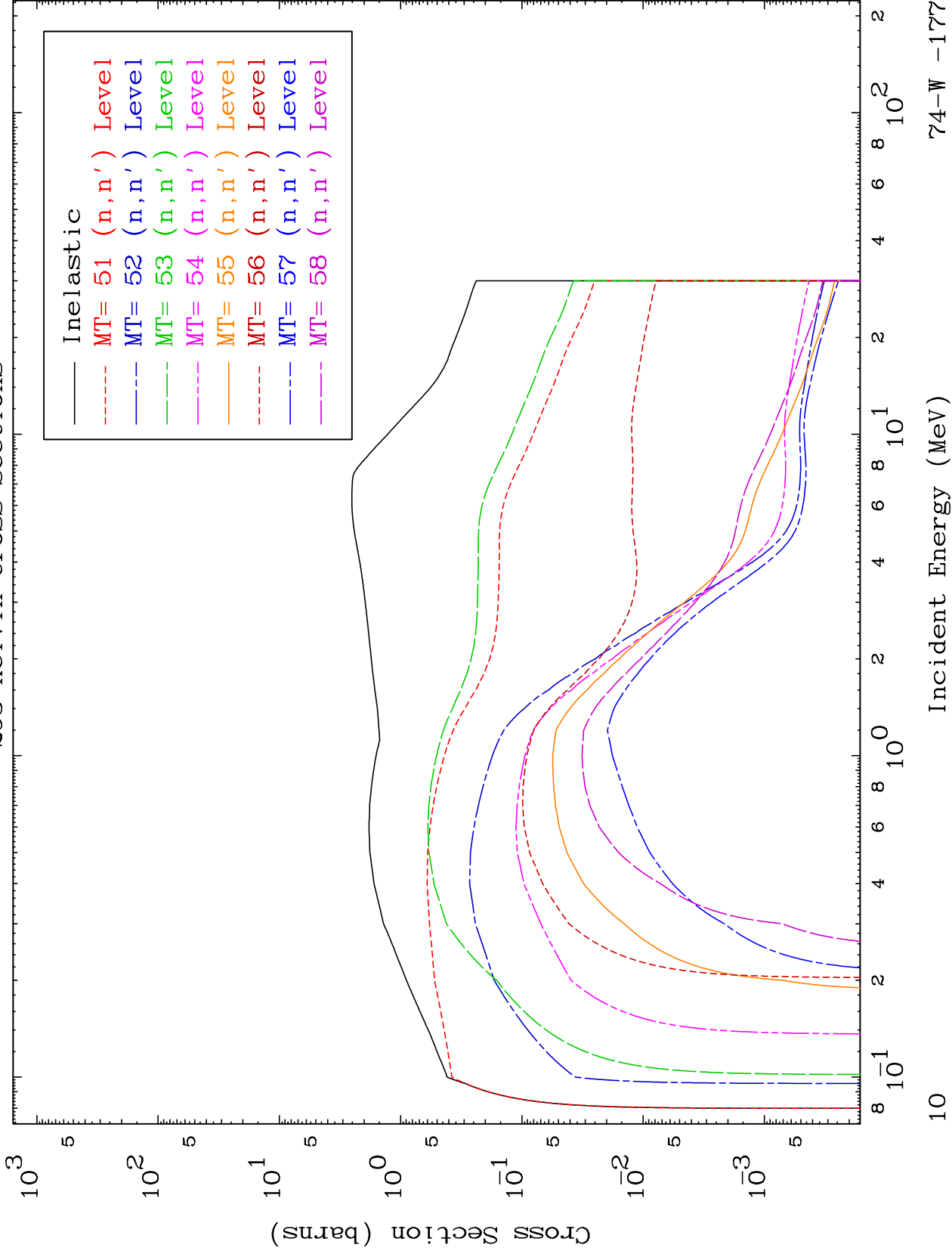


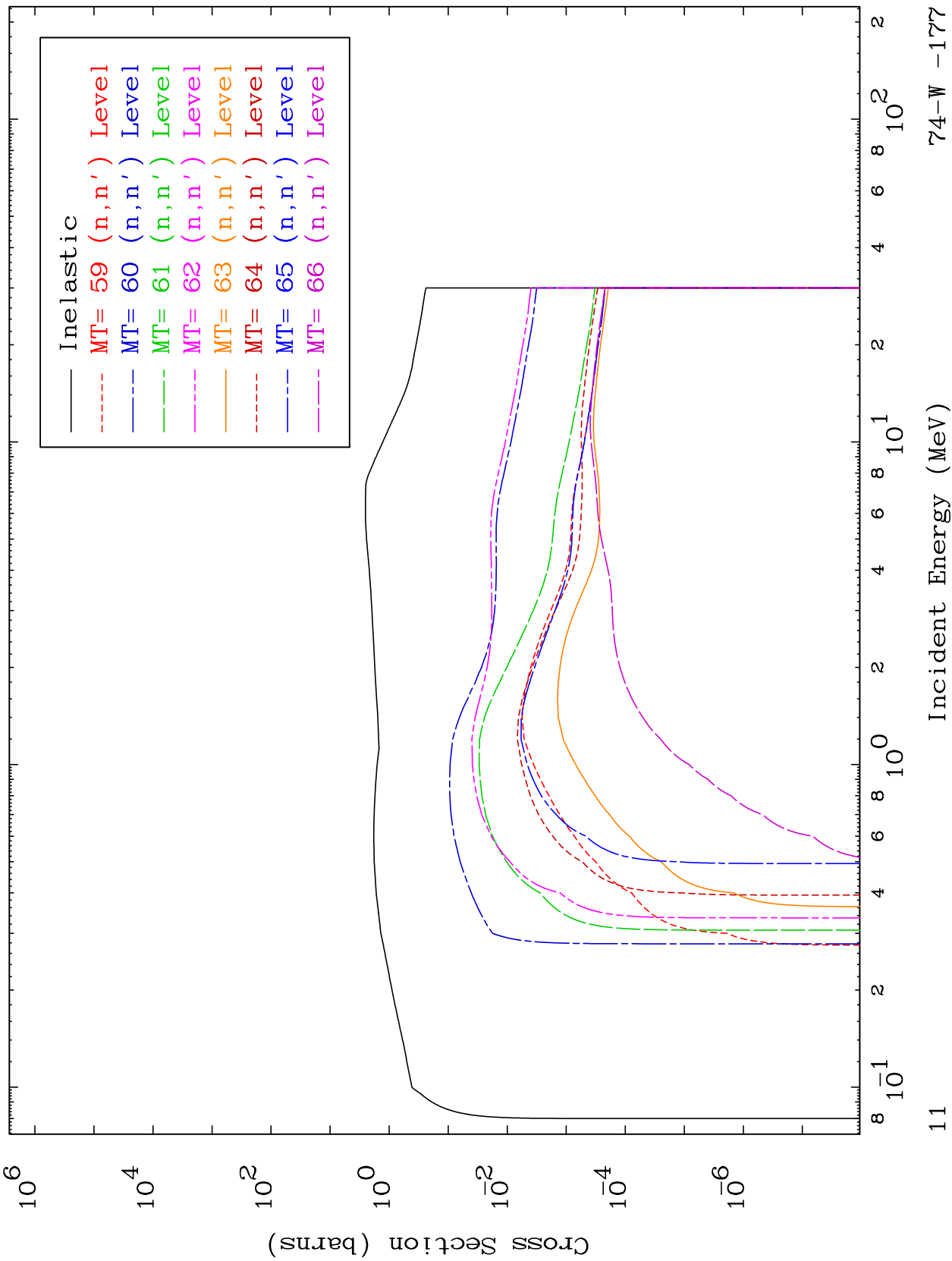


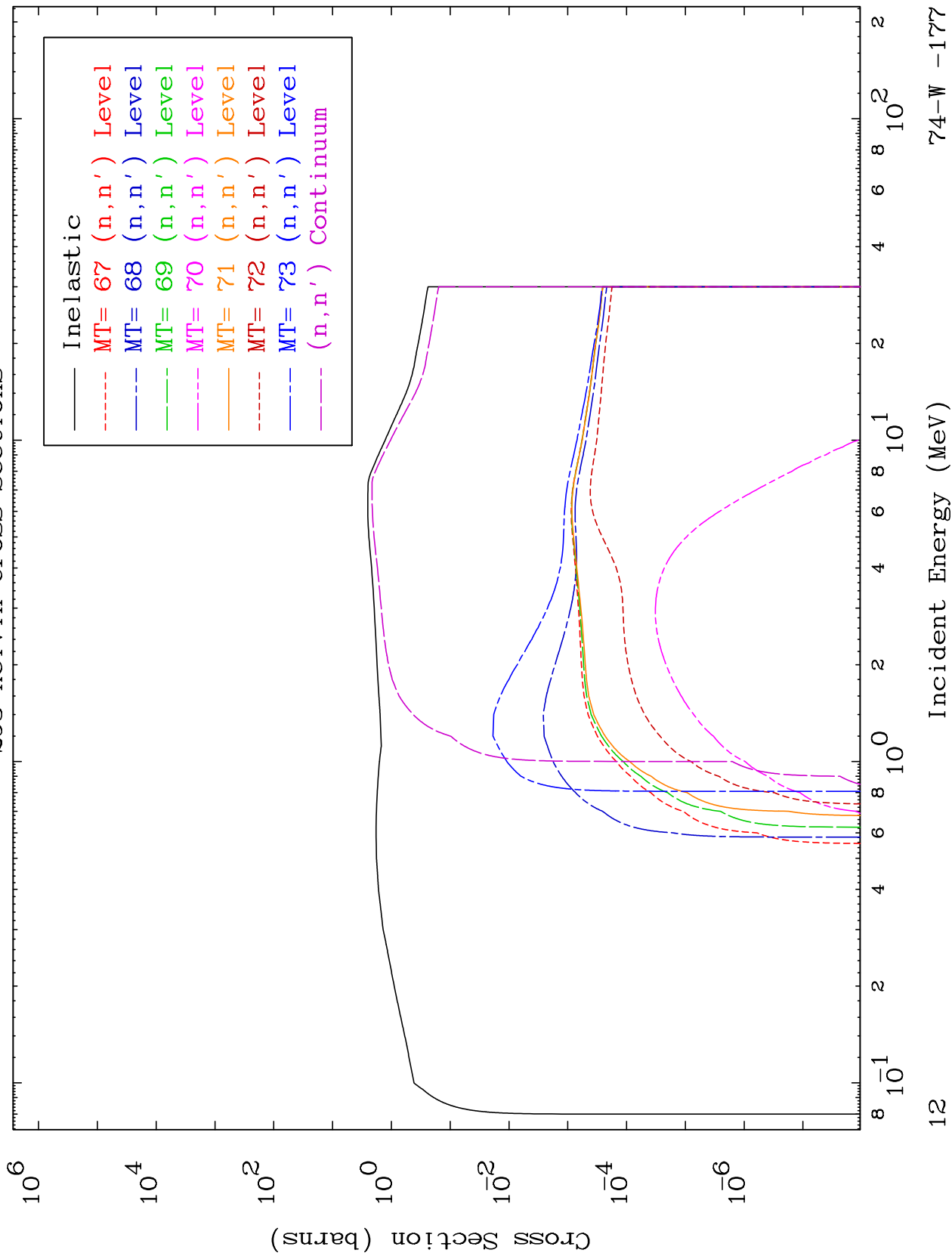




293 Kelvin Cross Sections



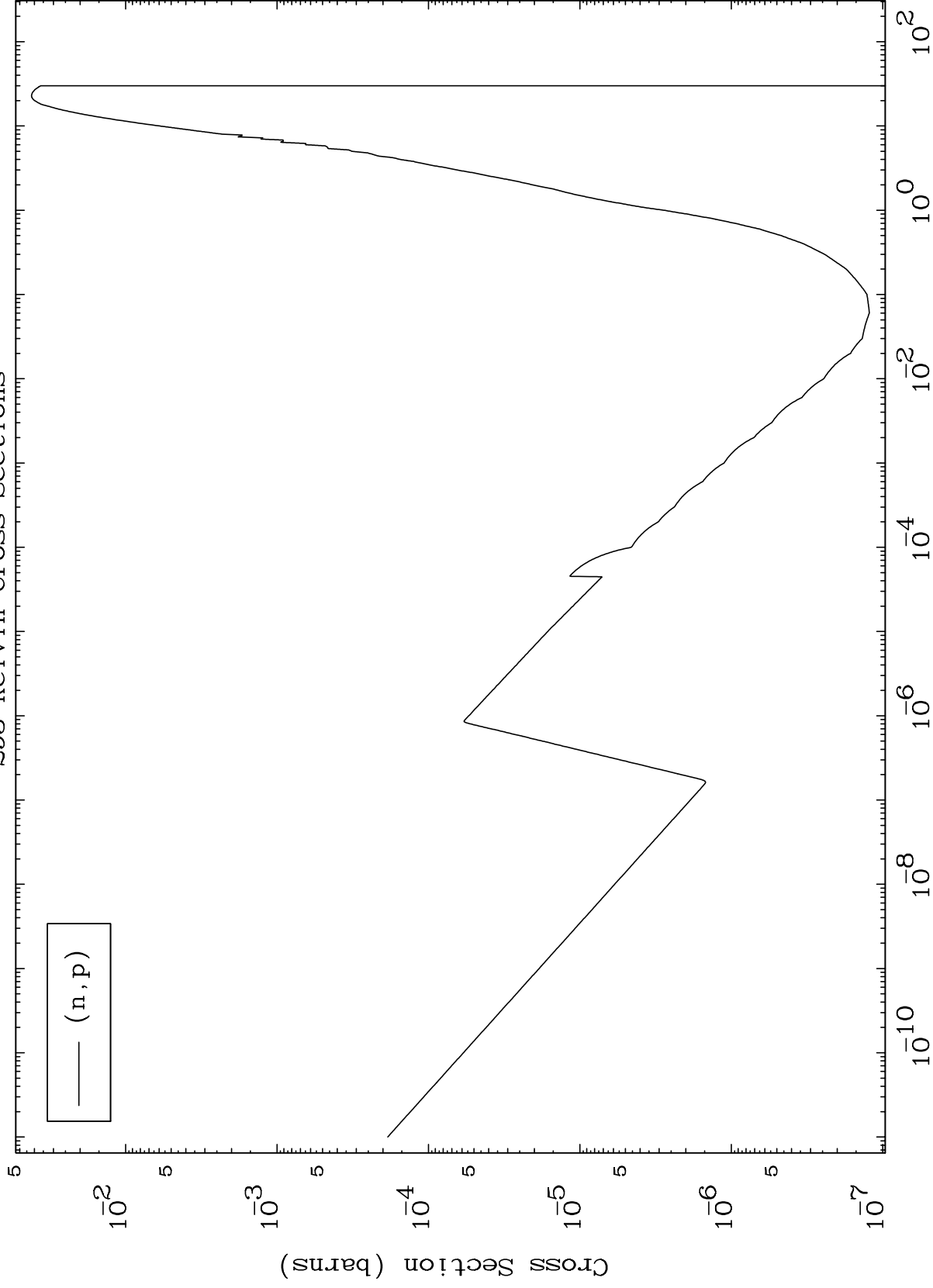




MAT 7416

(n,p) Levels  
293 Kelvin Cross Sections

74-W -177



13

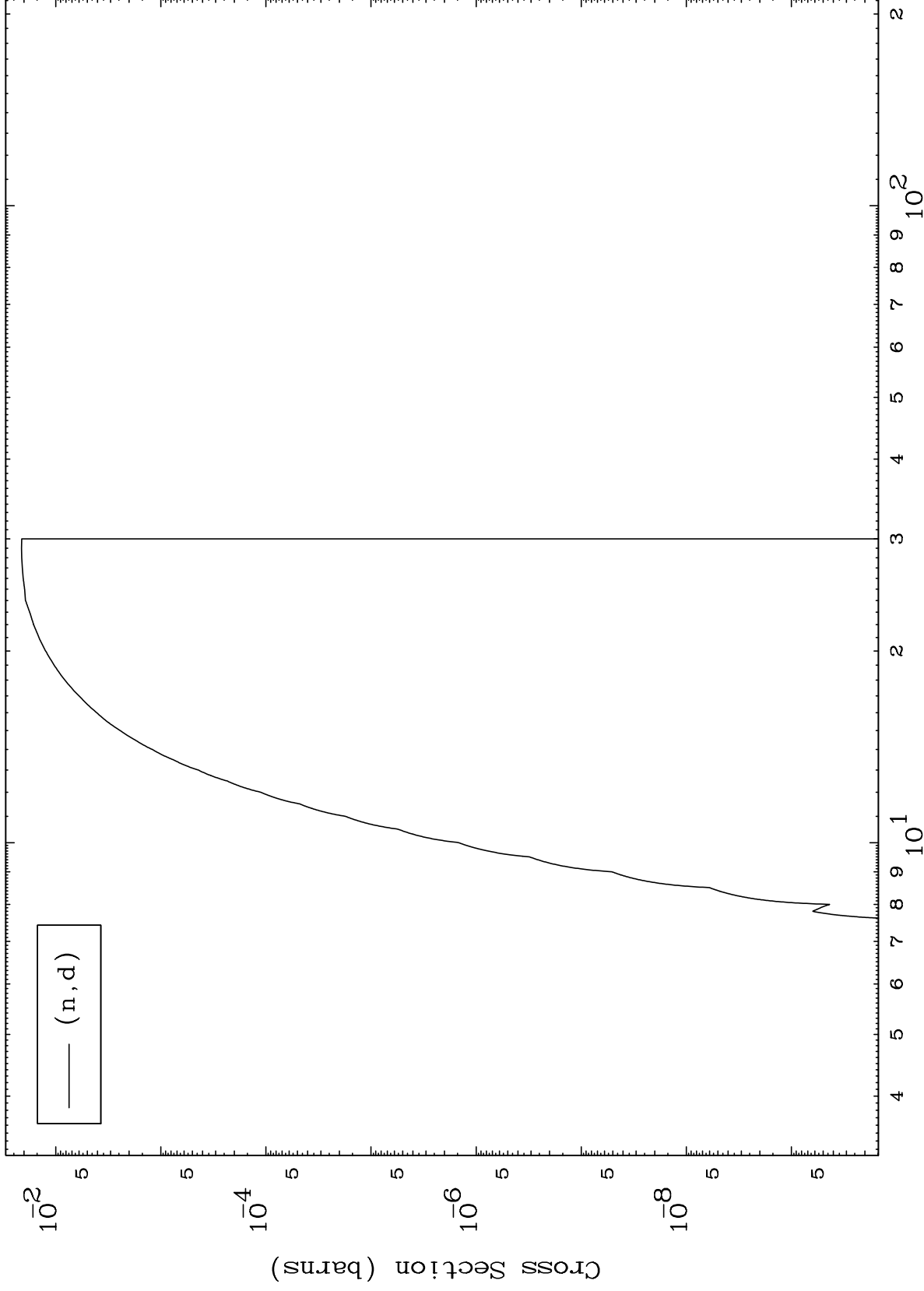
Incident Energy (MeV)

74-W -177

MAT 7416

(n,d) Levels  
293 Kelvin Cross Sections

74-W -177



14

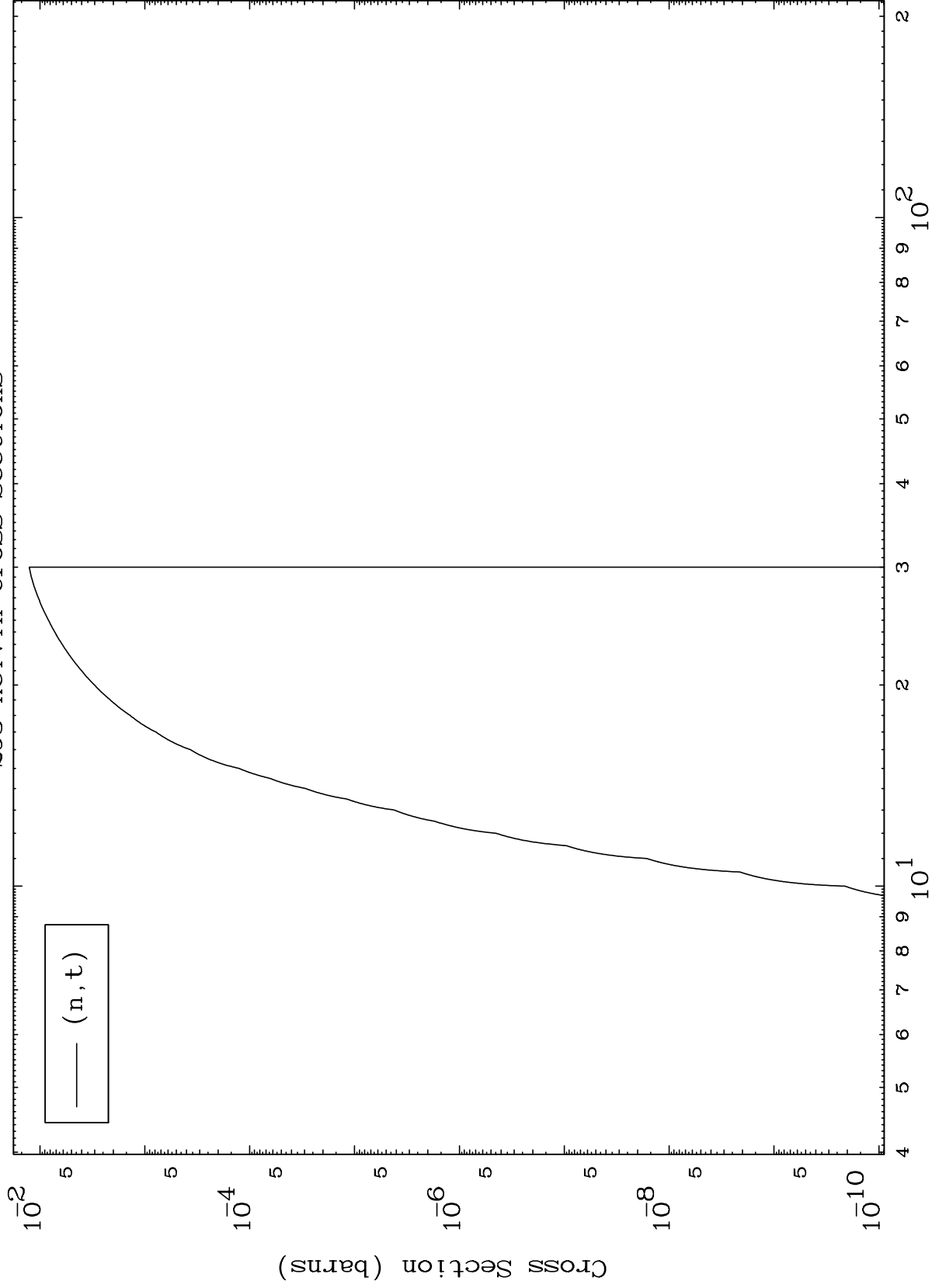
Incident Energy (MeV)

74-W -177

MAT 7416

(n,t) Levels  
293 Kelvin Cross Sections

74-W -177



15

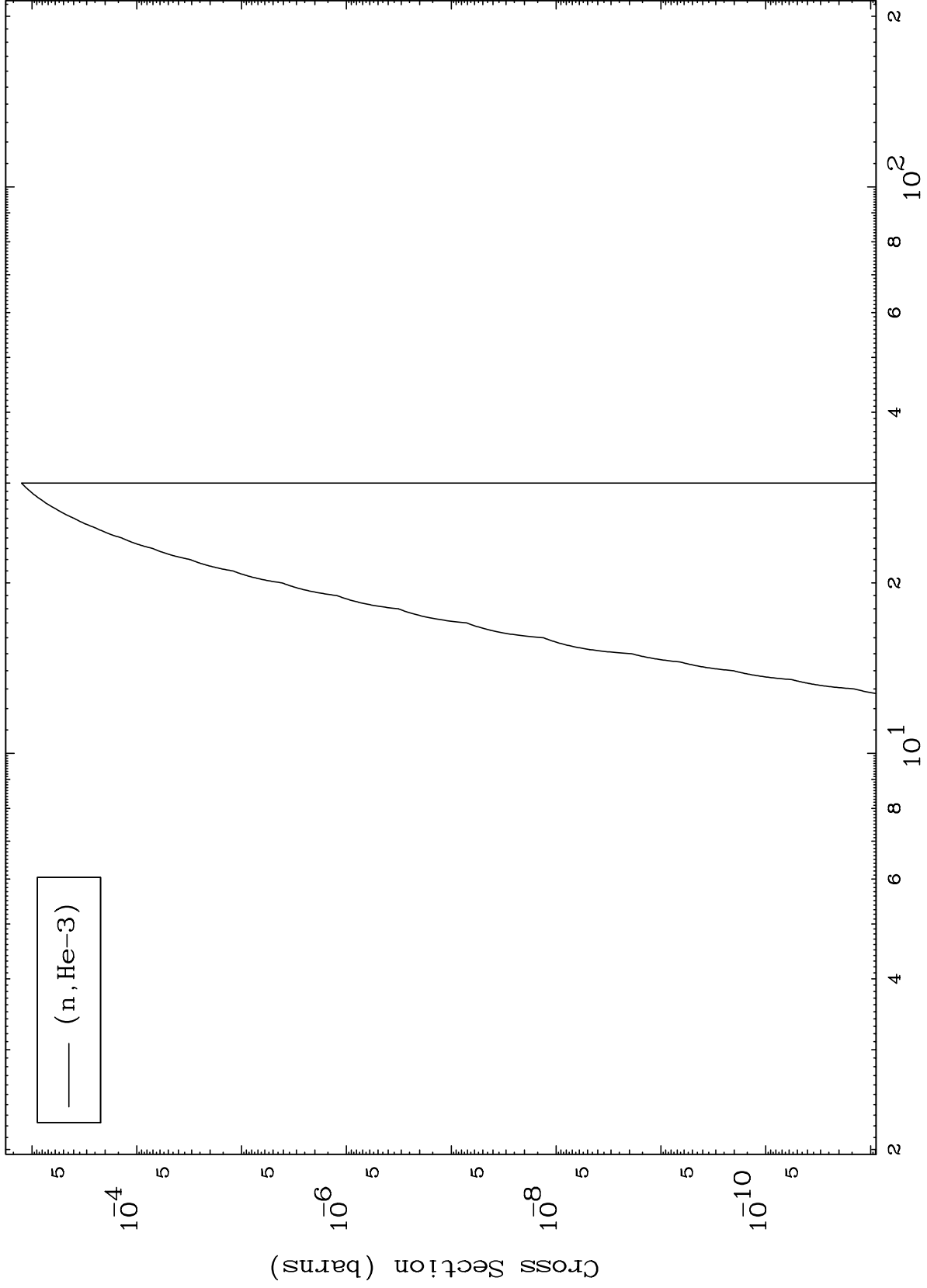
Incident Energy (MeV)

74-W -177

MAT 7416

(n,He3) Levels  
293 Kelvin Cross Sections

74-W -177



16

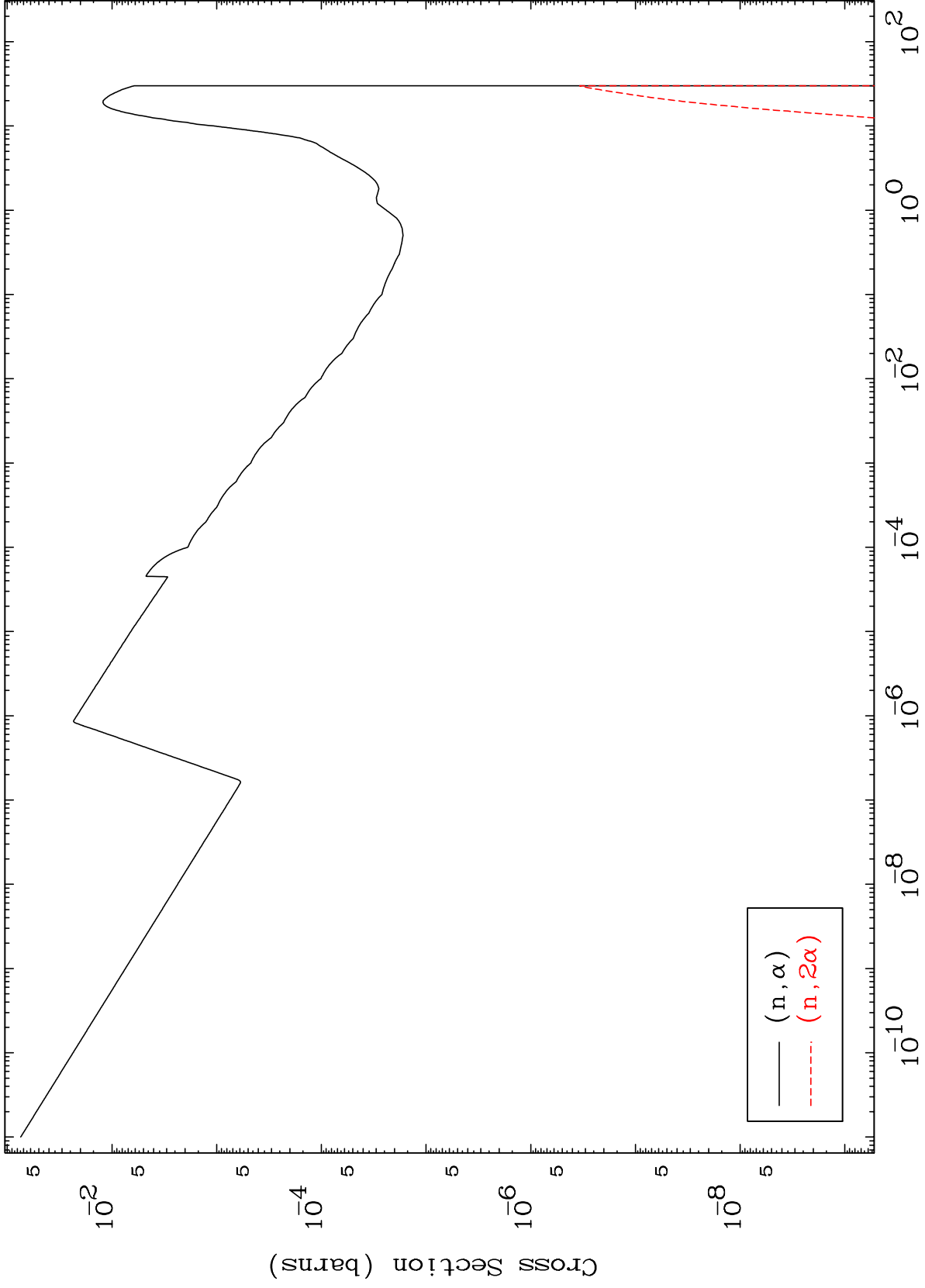
Incident Energy (MeV)

74-W -177

MAT 7416

(n,α) Levels  
293 Kelvin Cross Sections

74-W -177



17

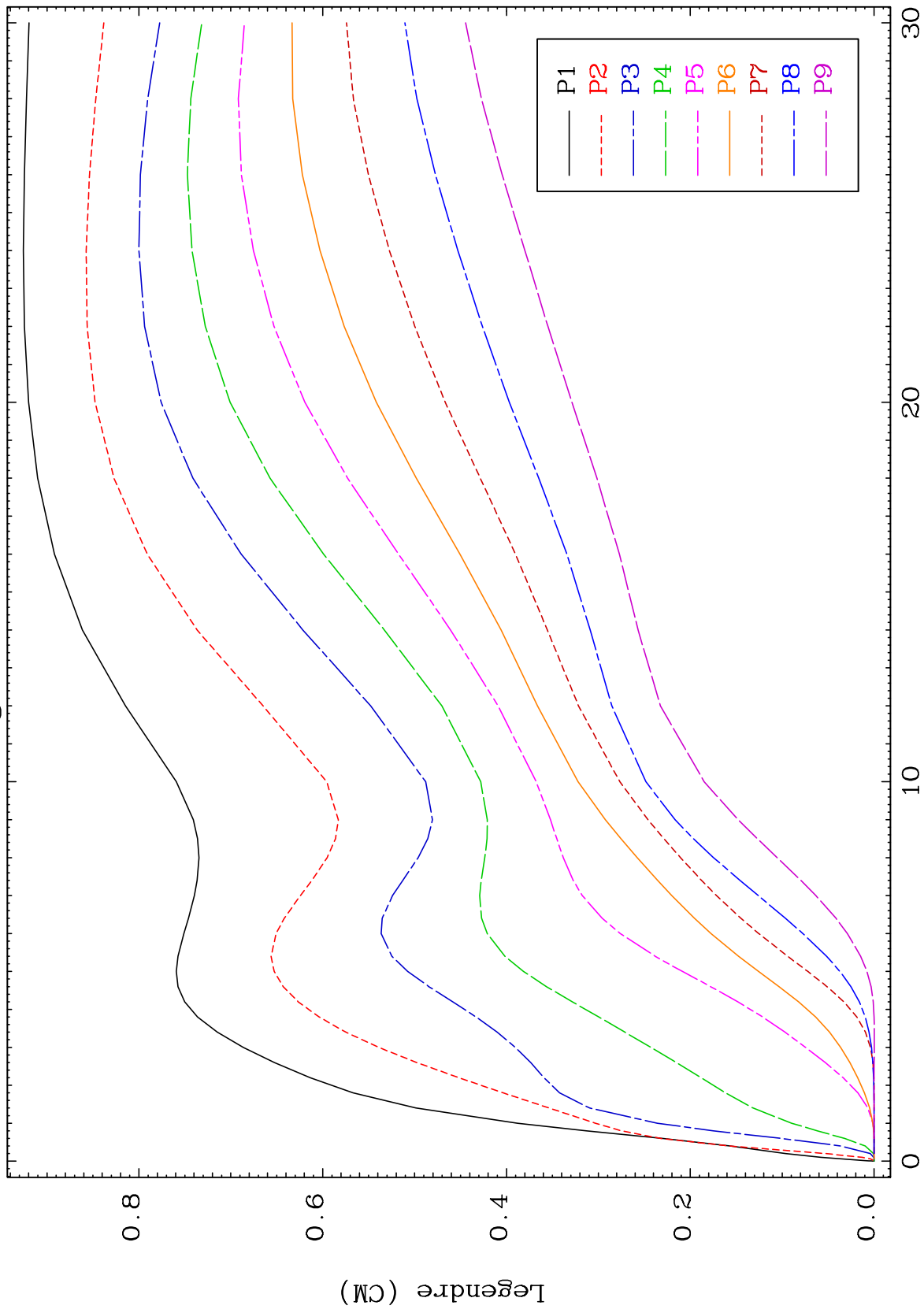
Incident Energy (MeV)

74-W -177

MAT 7416

Elastic Legendre Coefficients

74-W -177



18

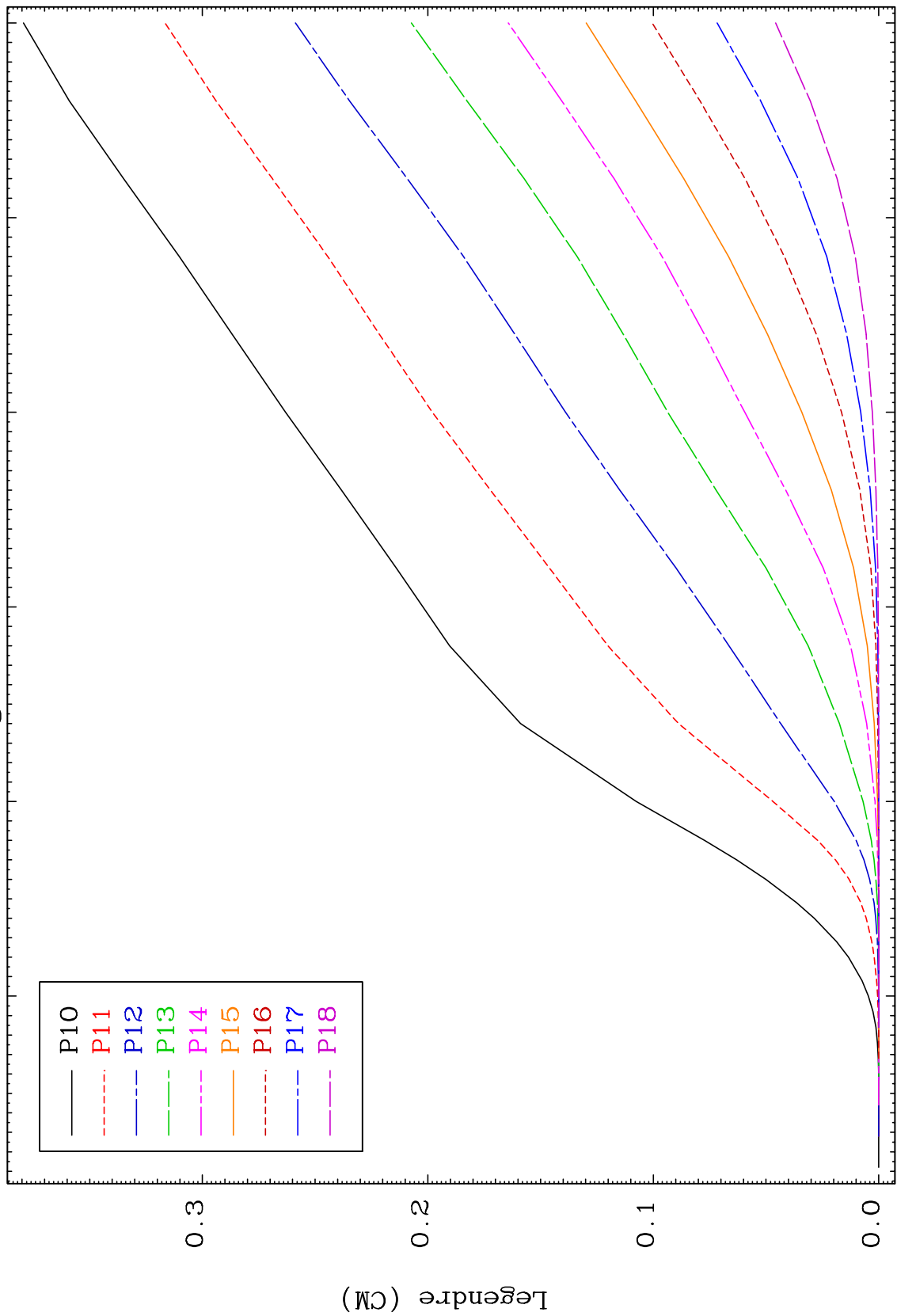
Incident Energy (MeV)

74-W -177

MAT 7416

### Elastic Legendre Coefficients

74-W -177



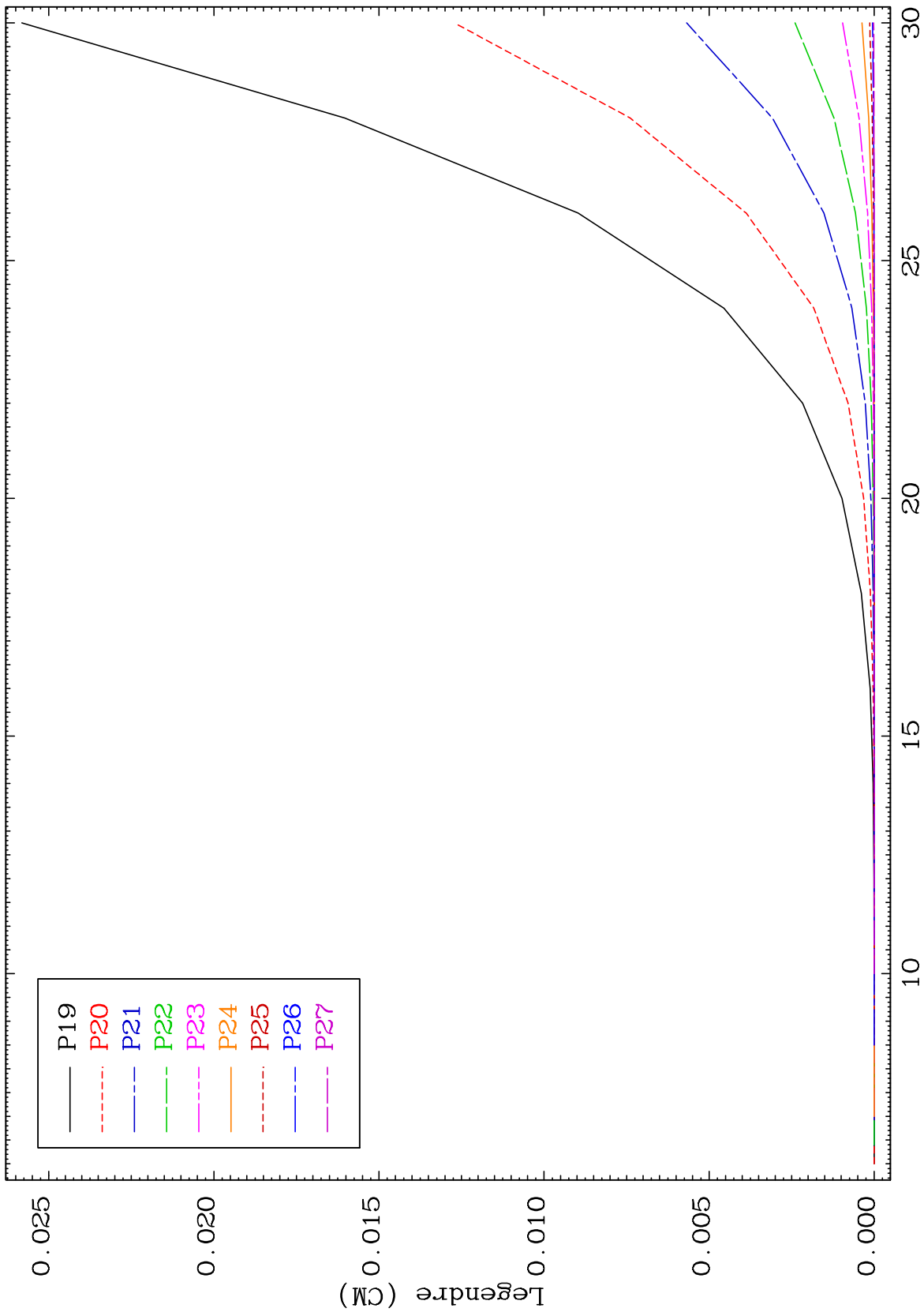
19

74-W -177

MAT 7416

Elastic Legendre Coefficients

74-W -177



20

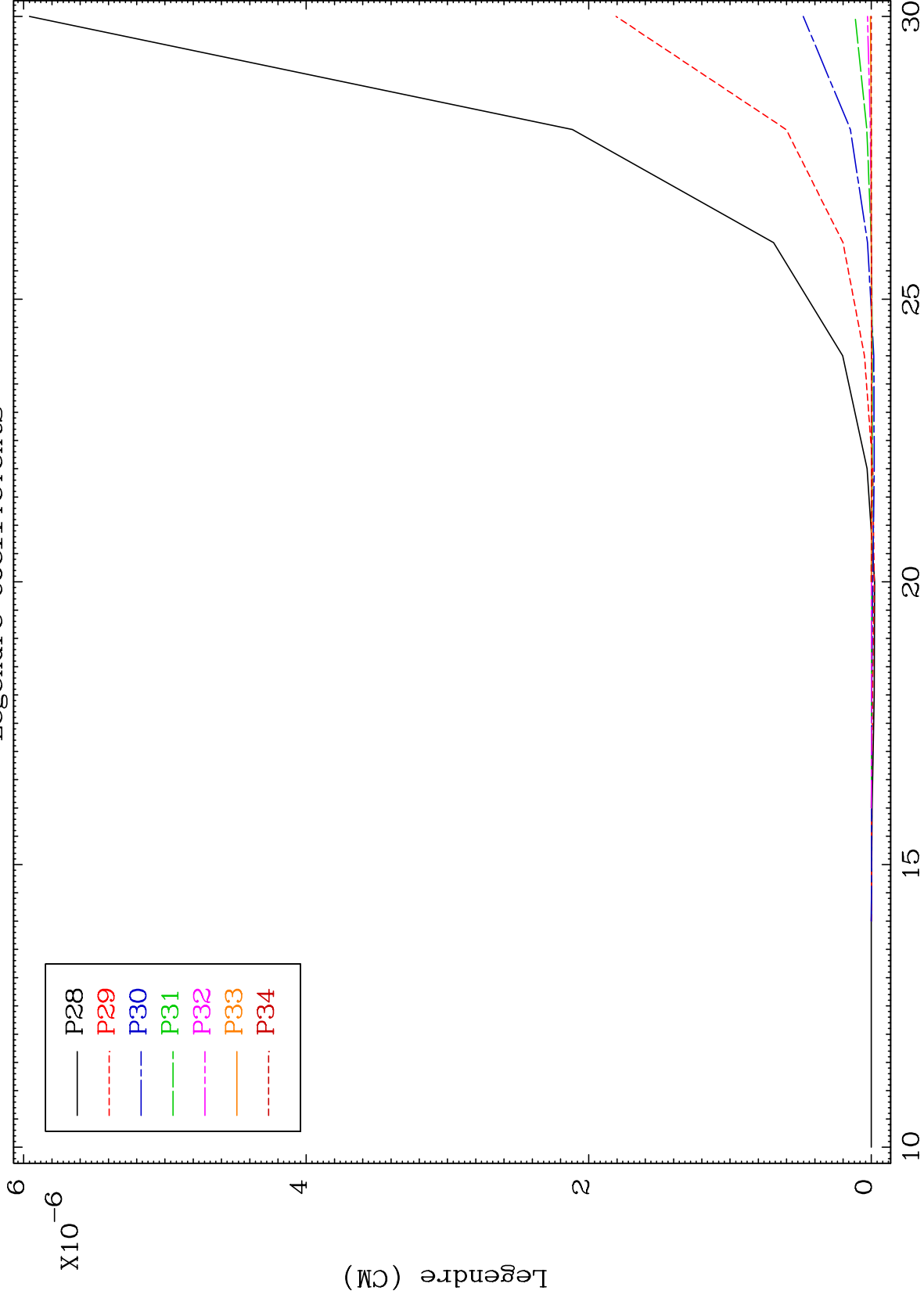
Incident Energy (MeV)

74-W -177

MAT 7416

Elastic  
Legendre Coefficients

74-W -177



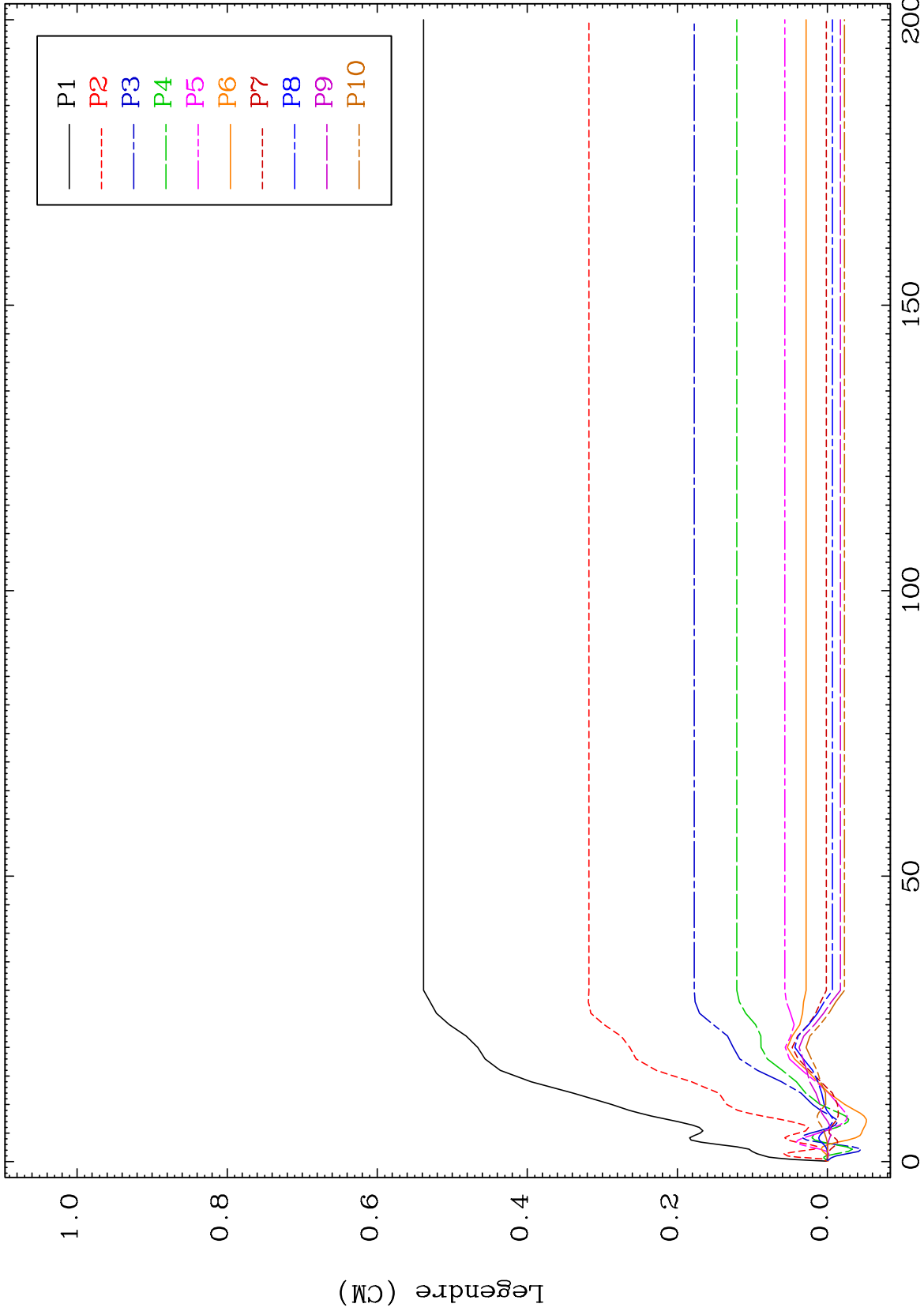
$\times 10^{-6}$

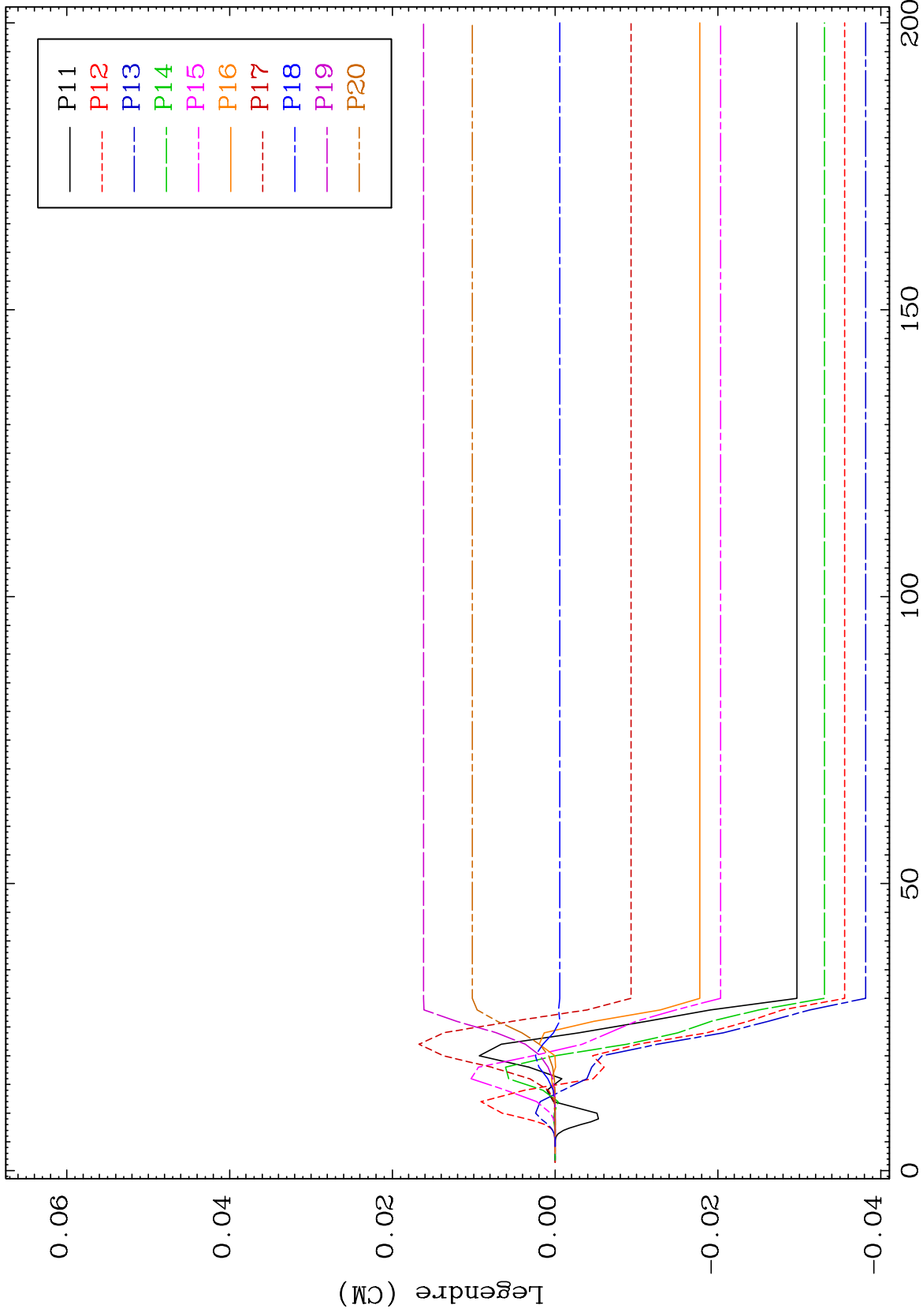
Legendre (CM)

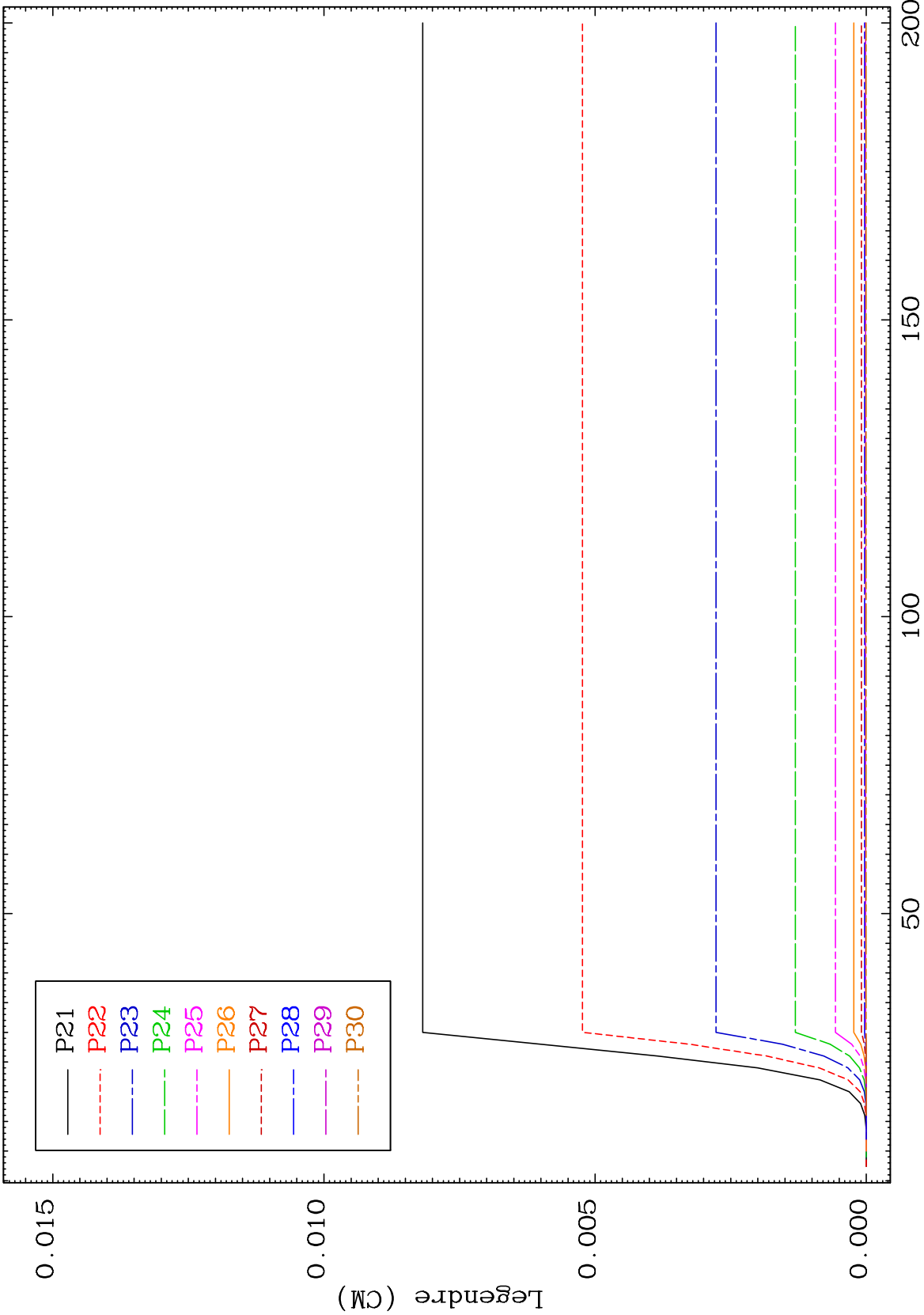
21

Incident Energy (MeV)

74-W -177



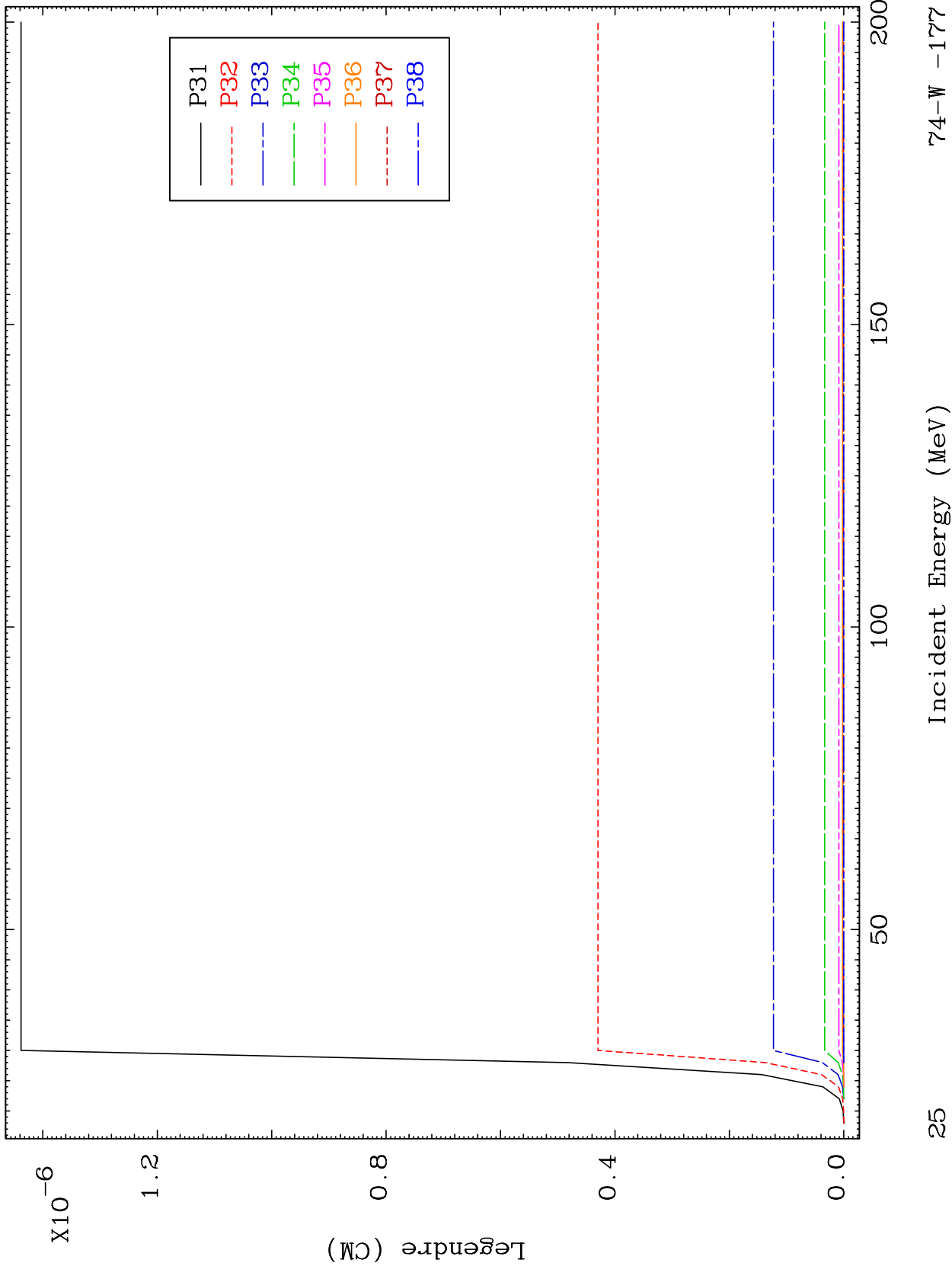




MAT 7416

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

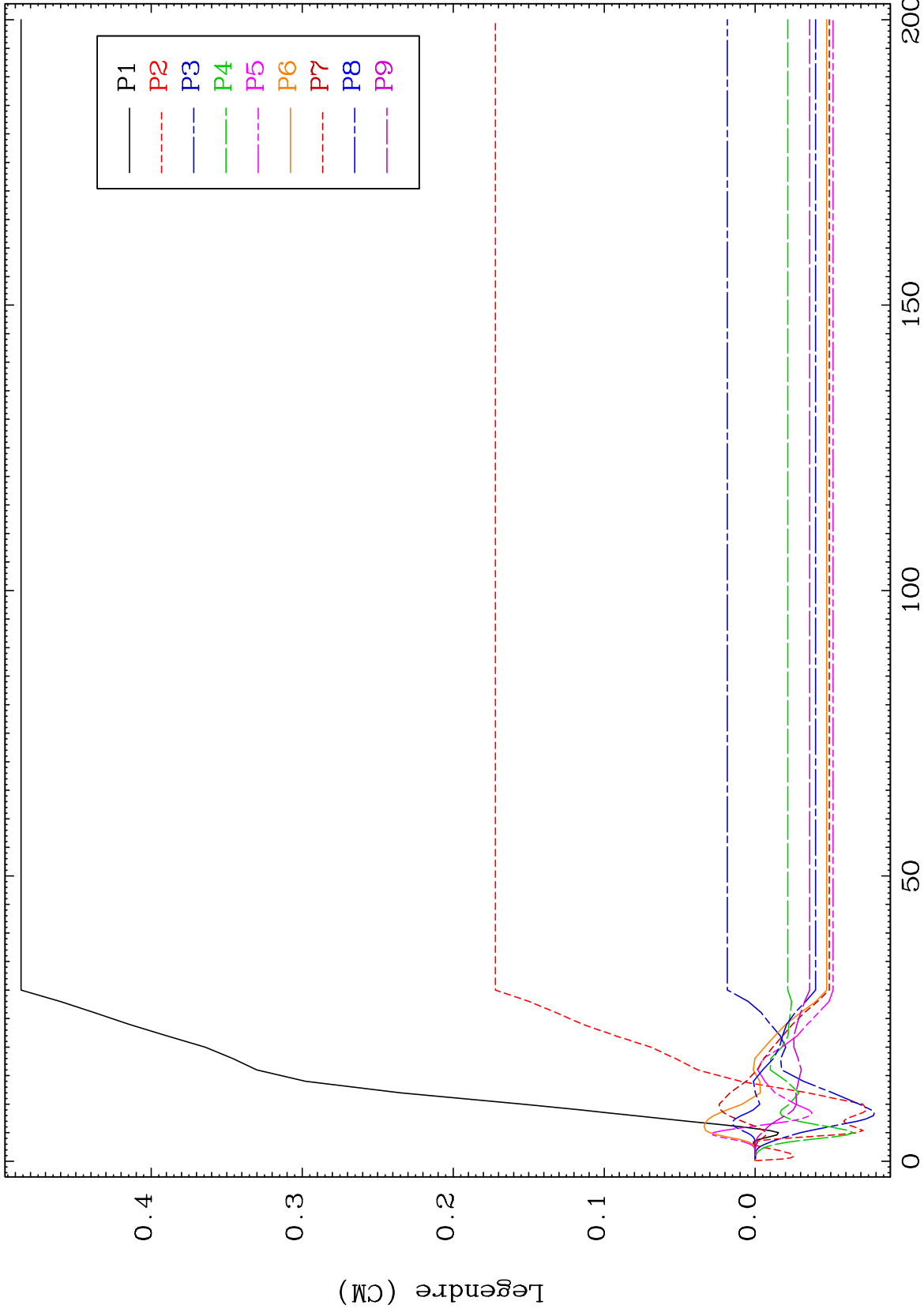
74-W -177



25

Incident Energy (MeV)

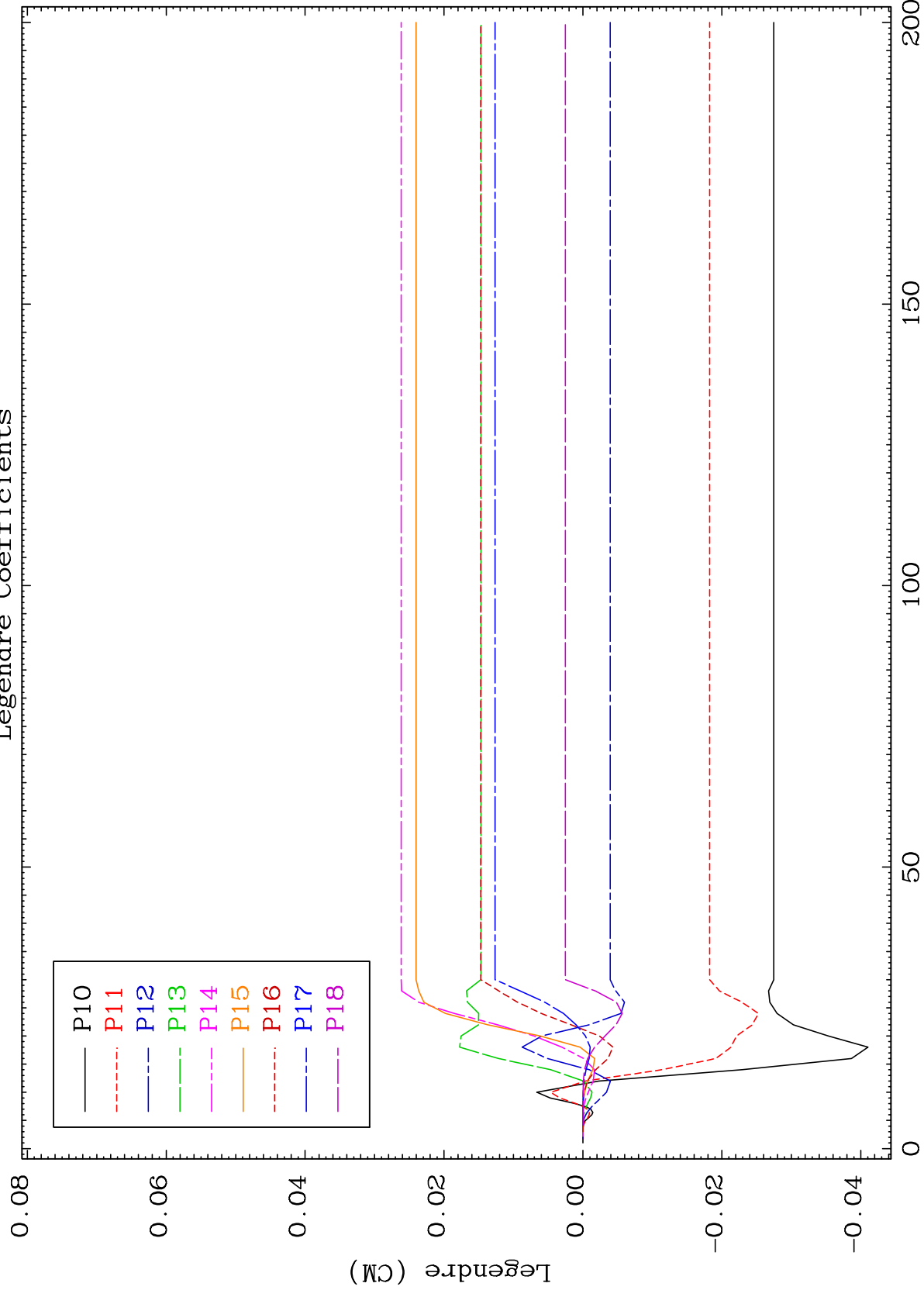
74-W -177



MAT 7416

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

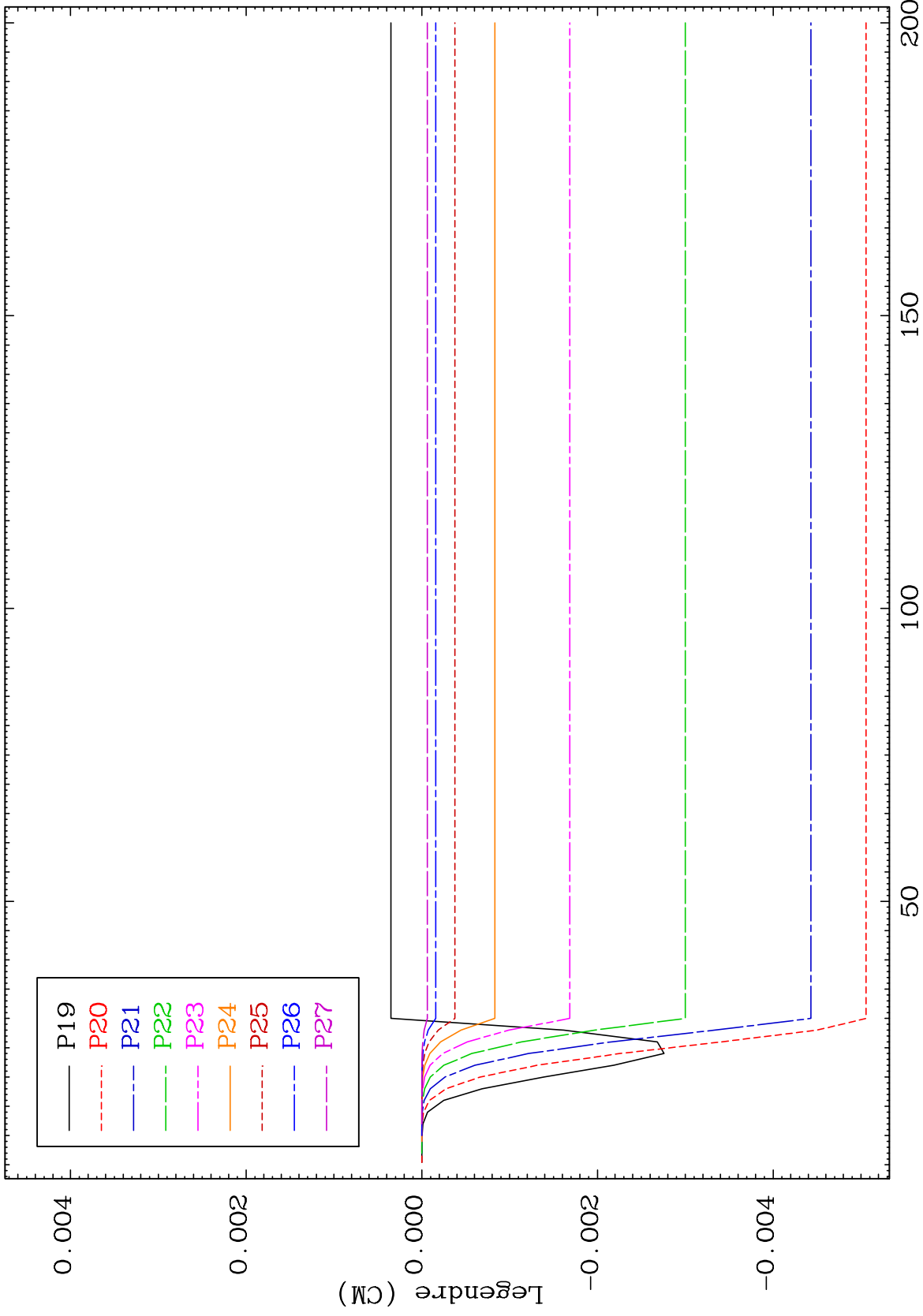
74-W -177

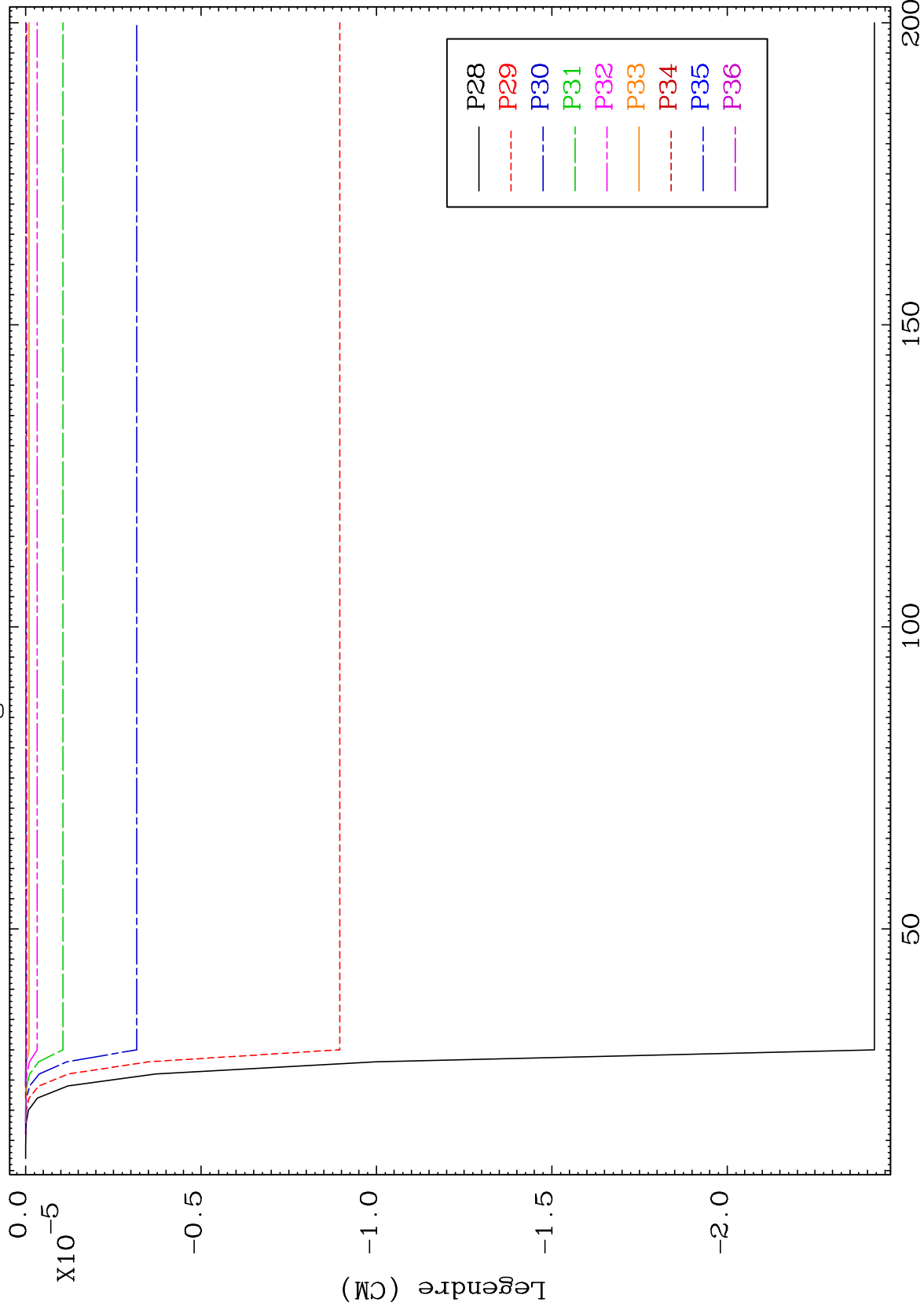


27

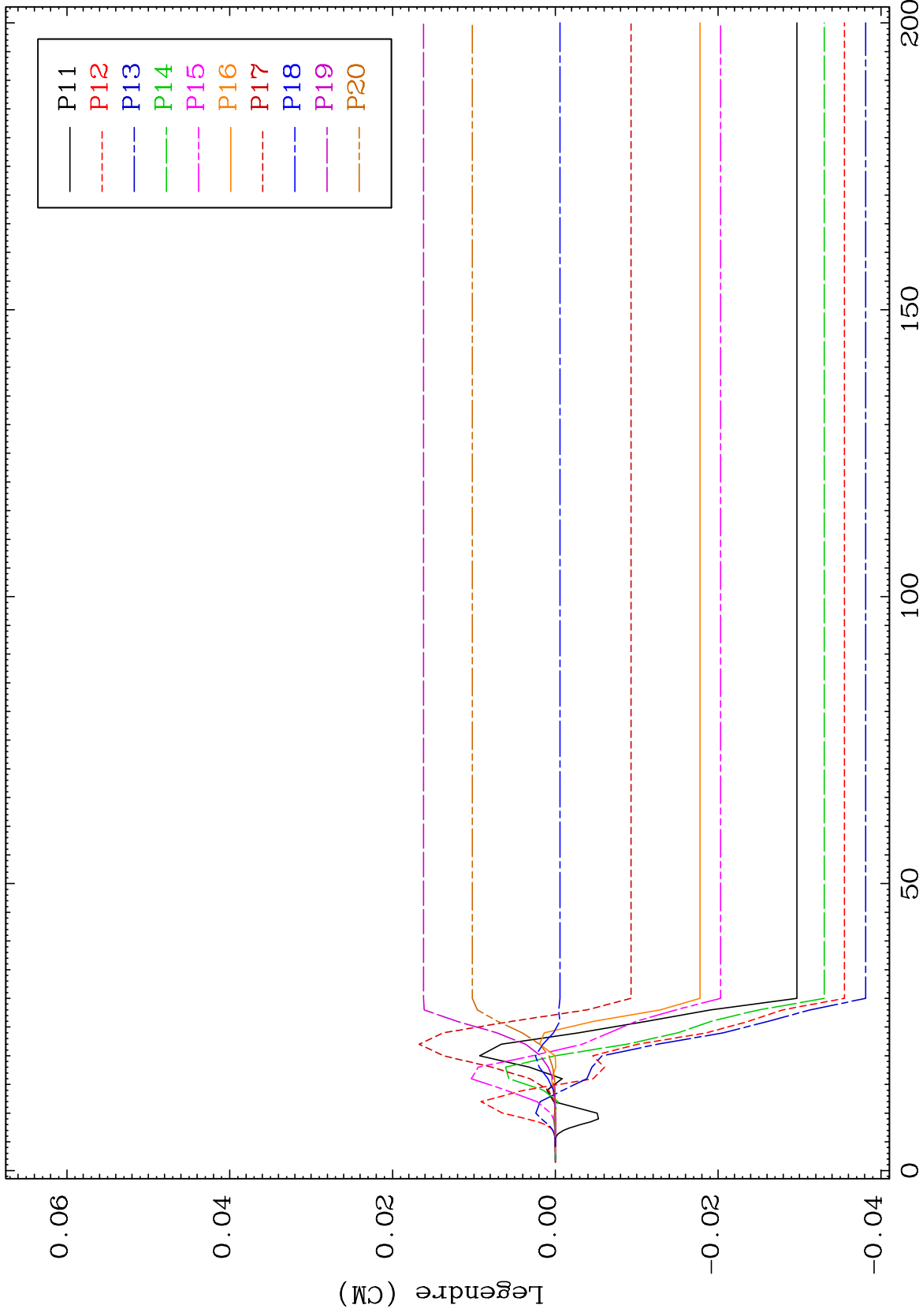
Incident Energy (MeV)

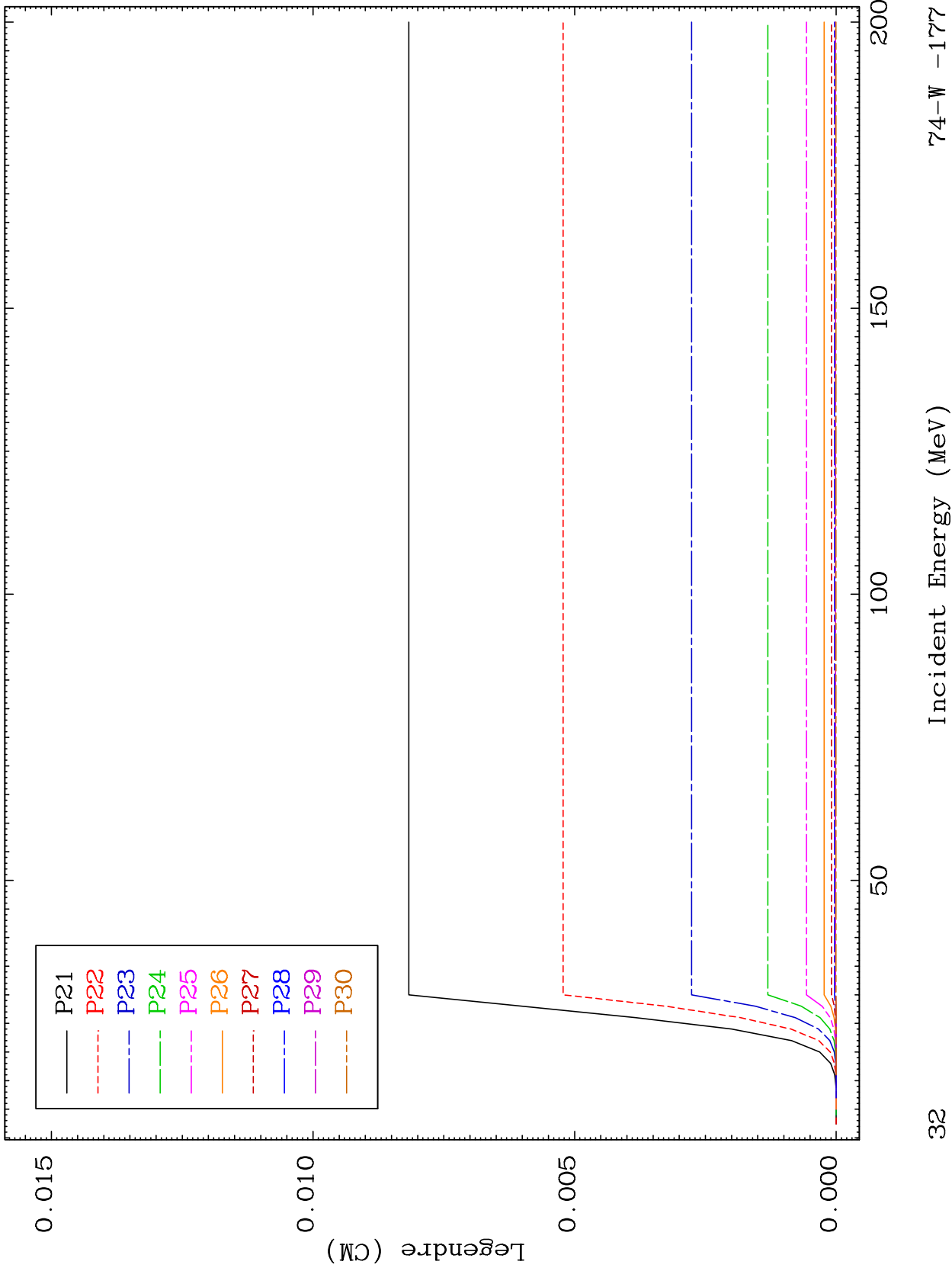
74-W -177

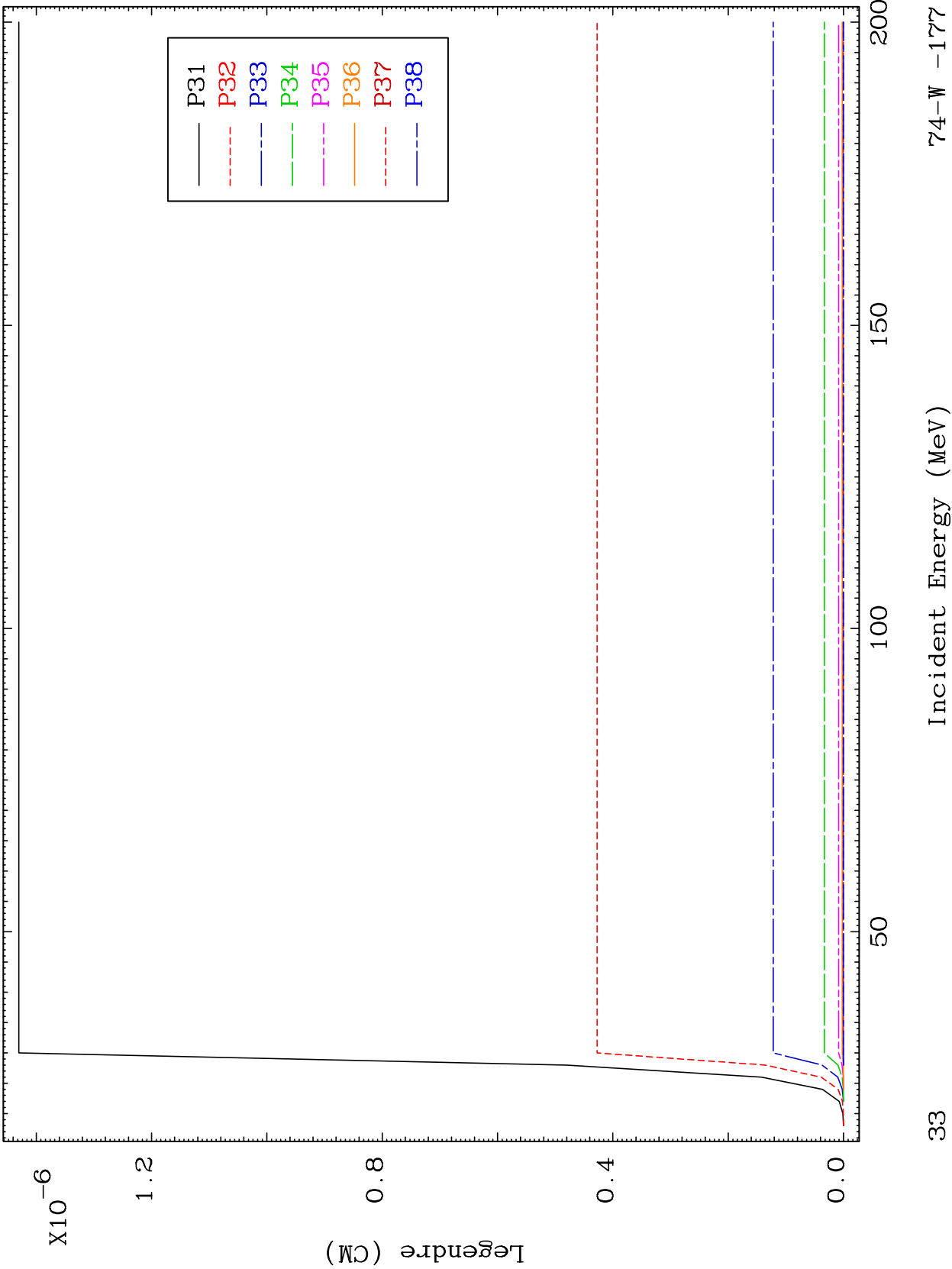








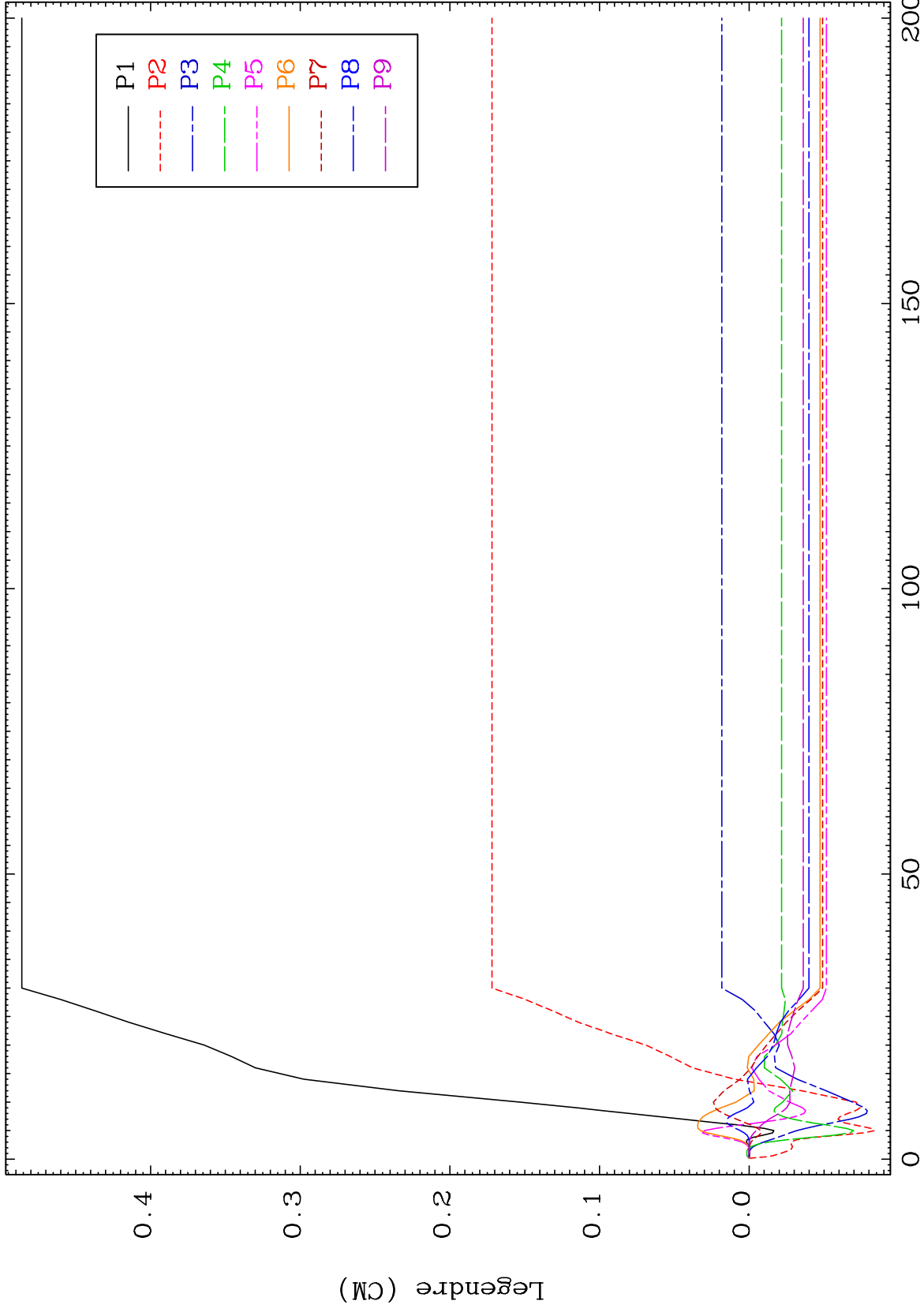




MAT 7416

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

74-W -177



34

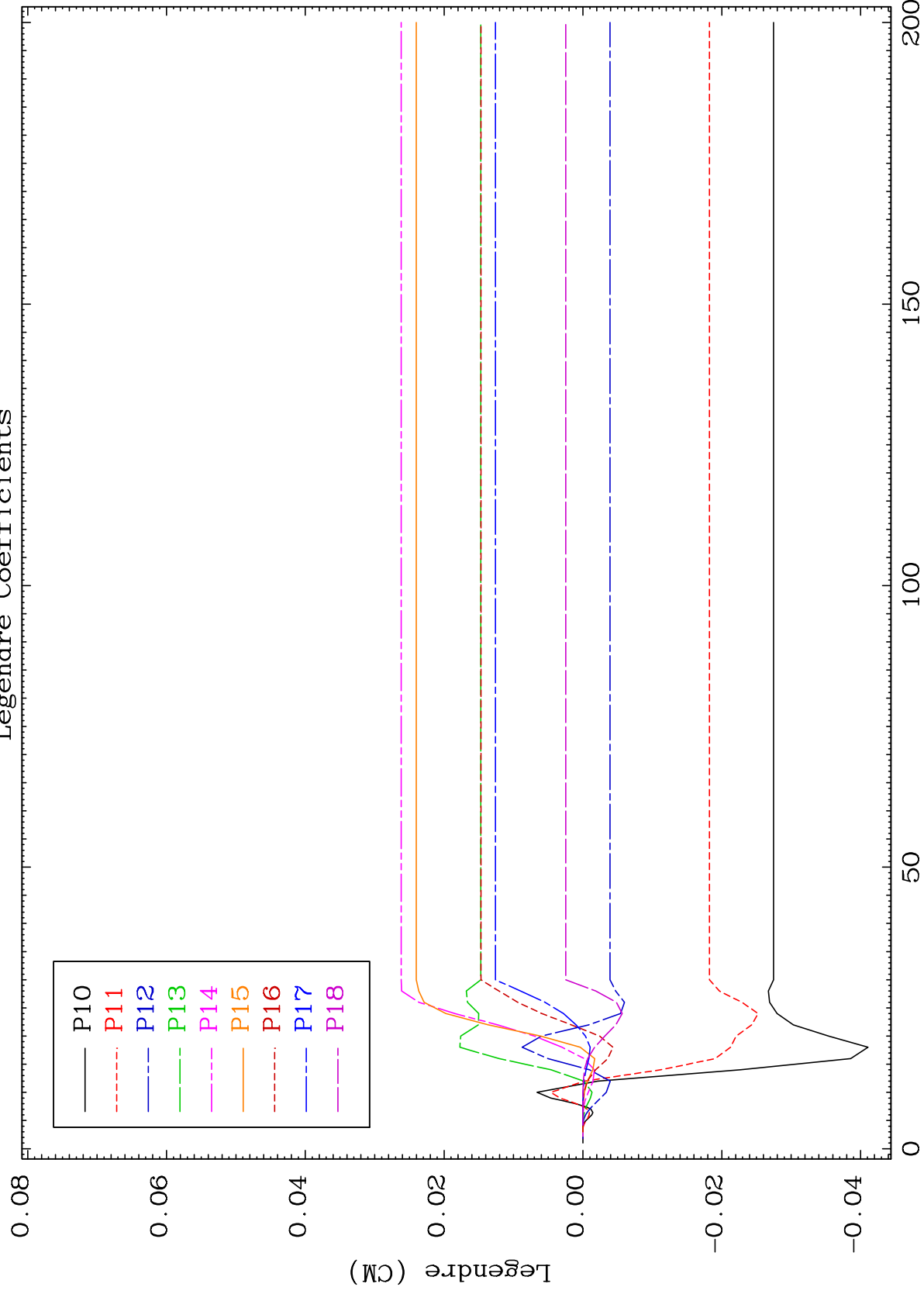
Incident Energy (MeV)

74-W -177

MAT 7416

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

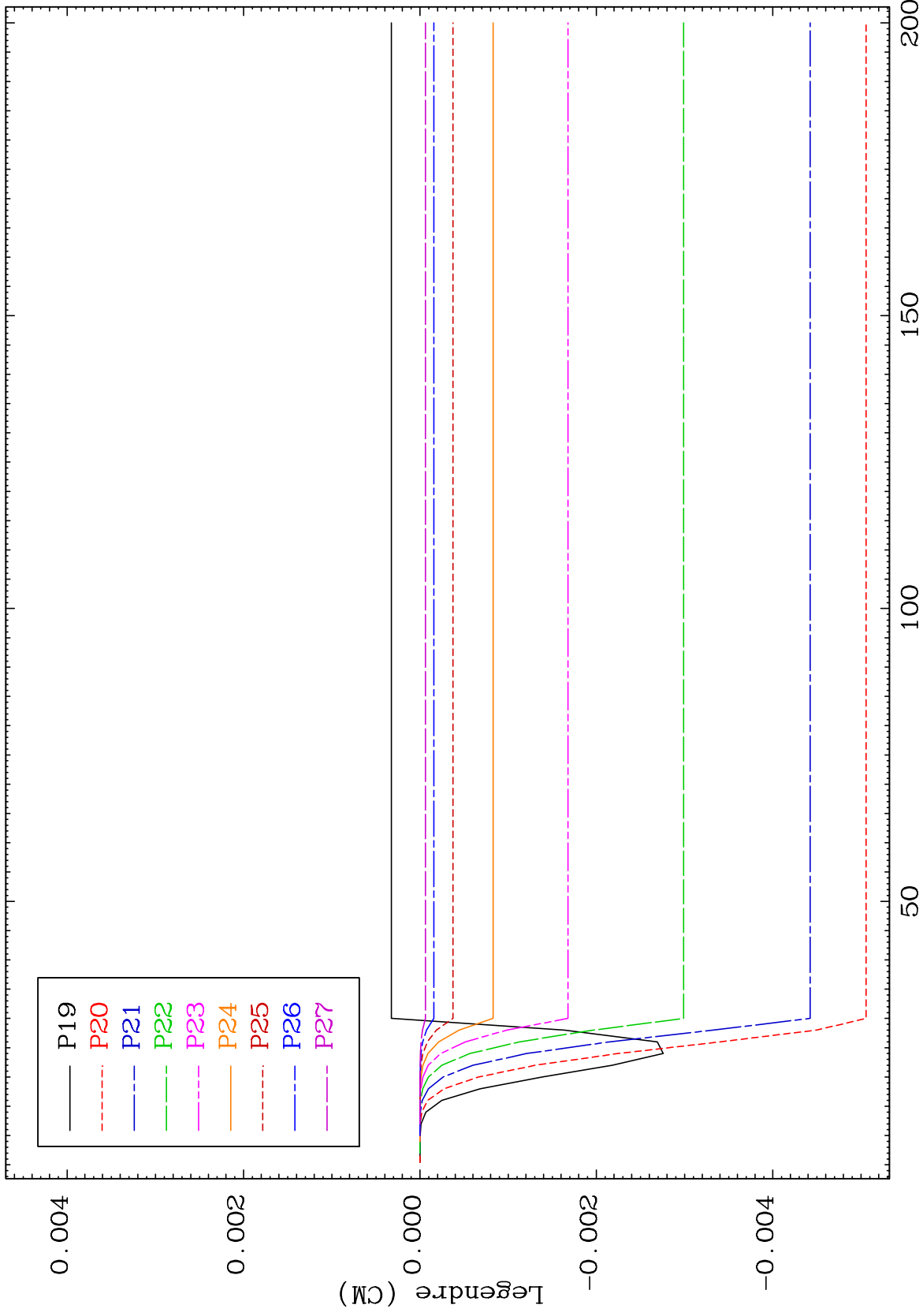
74-W -177

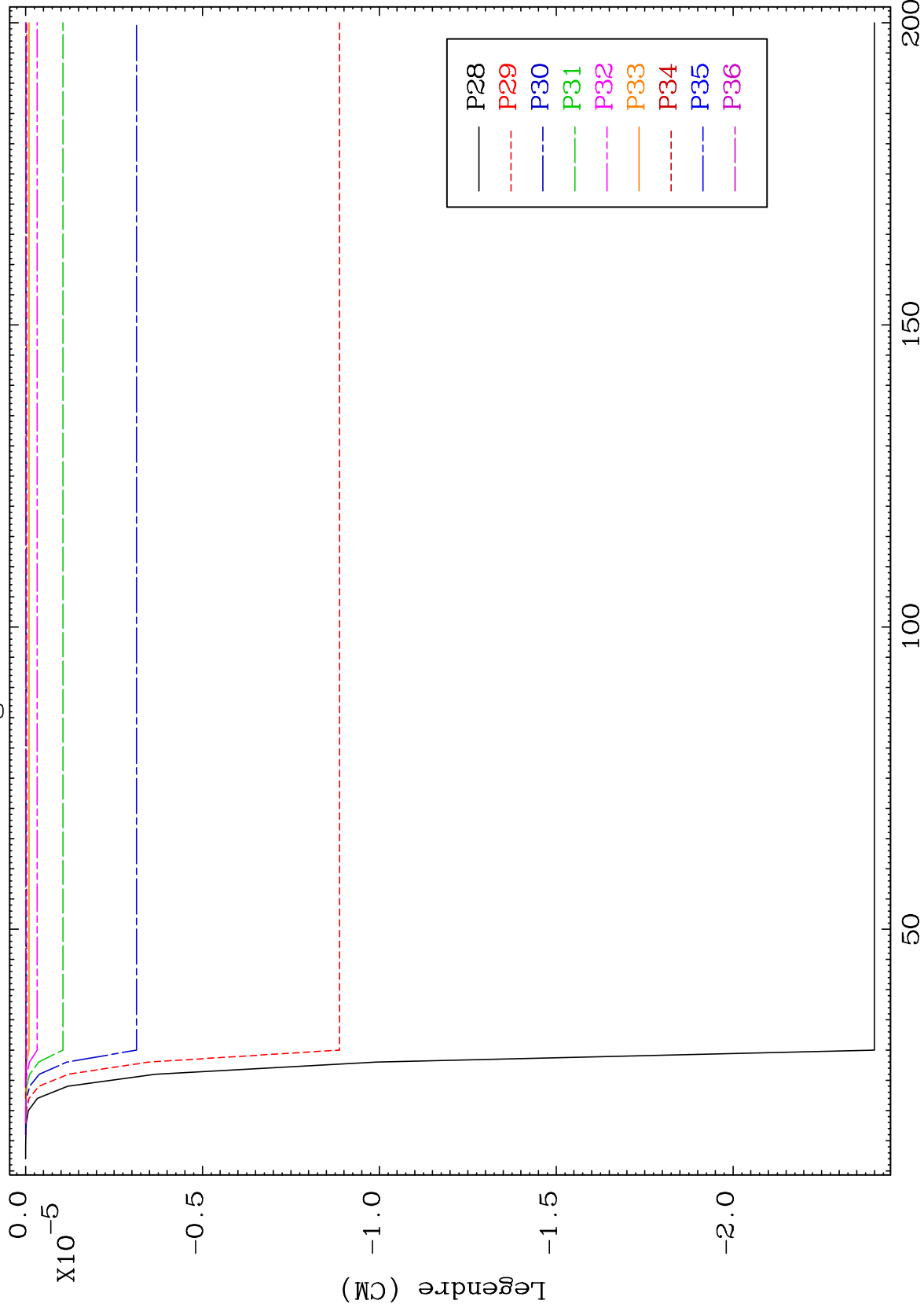


35

Incident Energy (MeV)

74-W -177



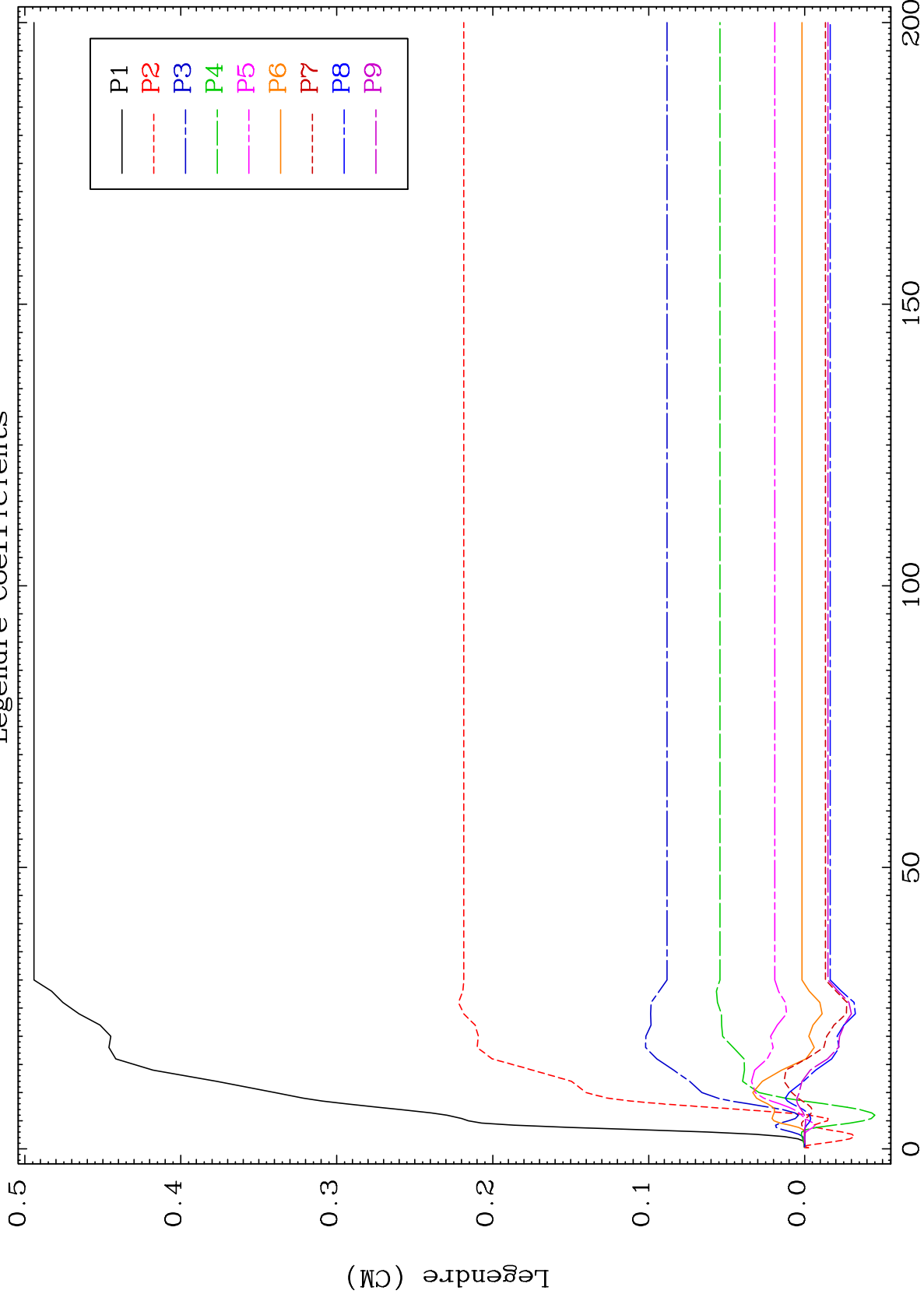


MAT 7416

MT= 55 (n,n') Level

74-W -177

Legendre Coefficients



38

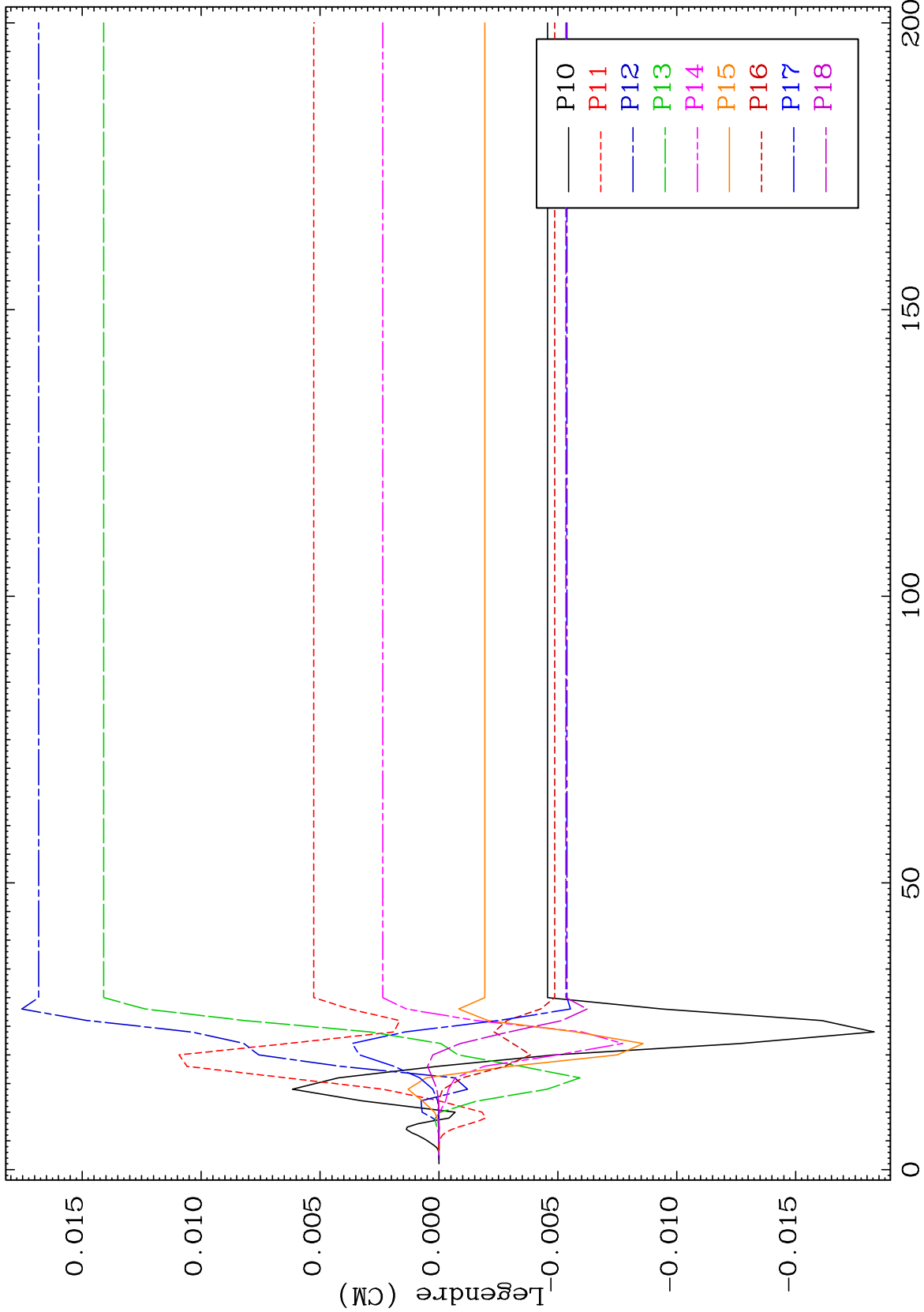
Incident Energy (MeV)

74-W -177

MAT 7416

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

74-W -177



39

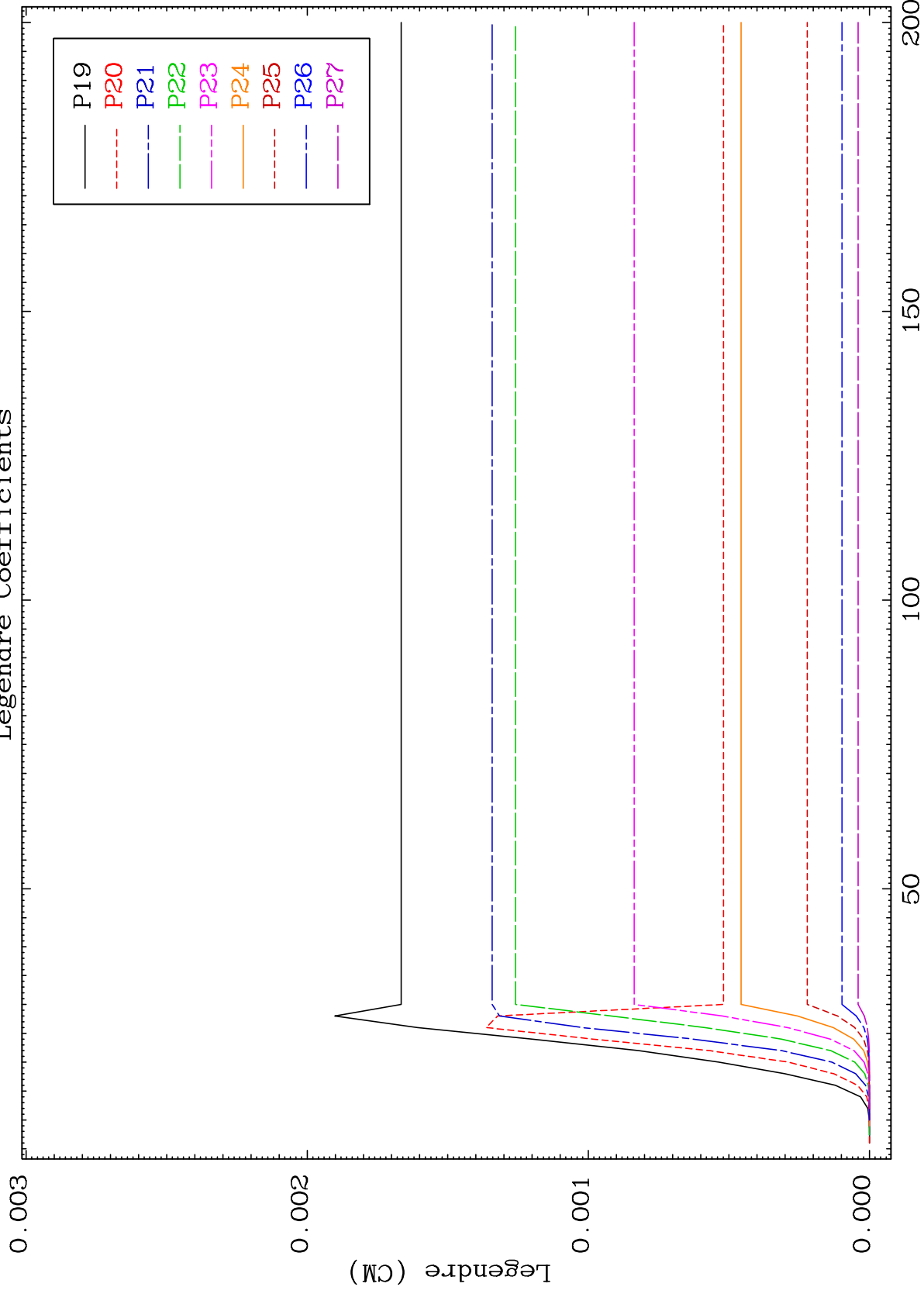
Incident Energy (MeV)

74-W -177

MAT 7416

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

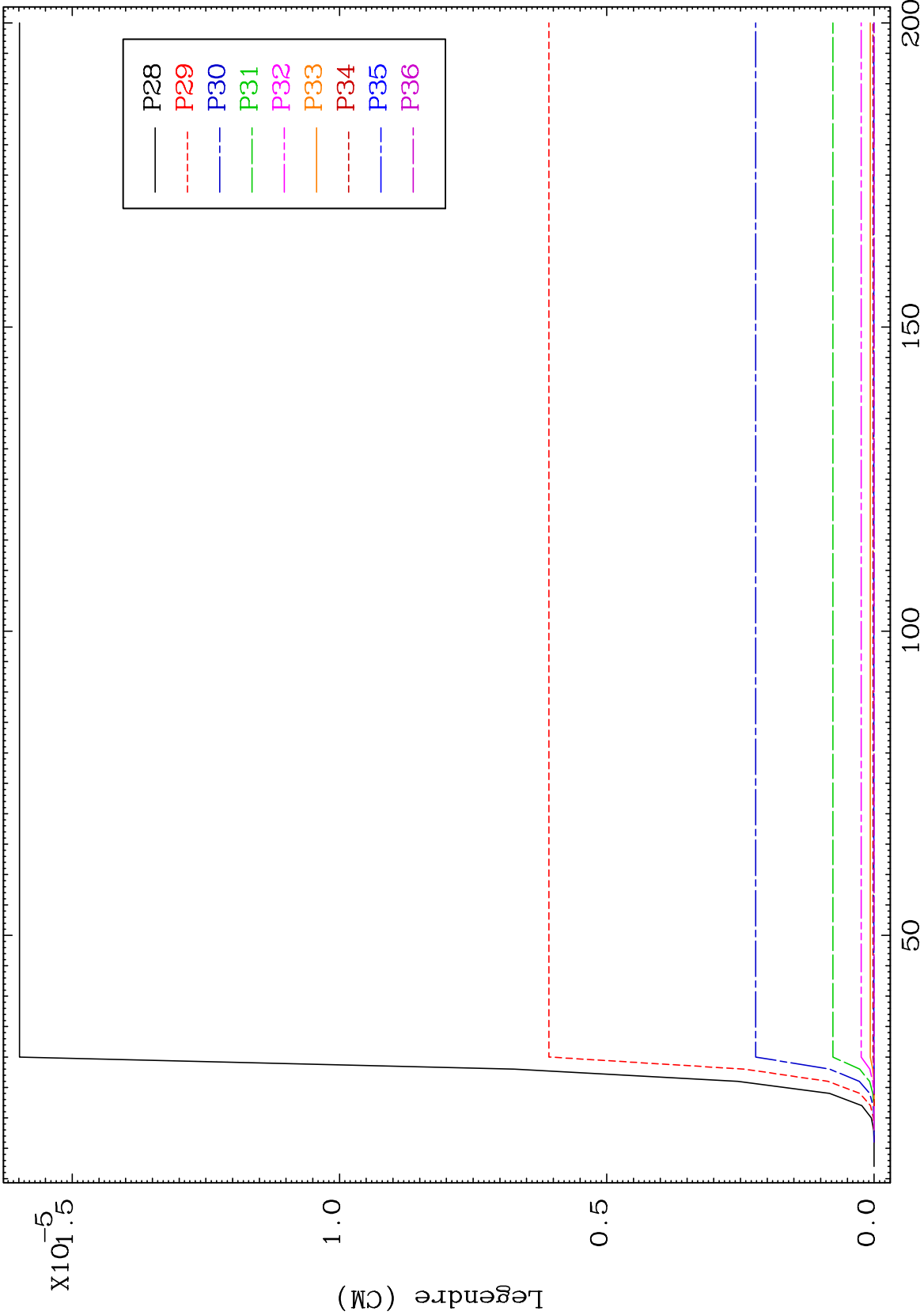
74-W -177



40

Incident Energy (MeV)

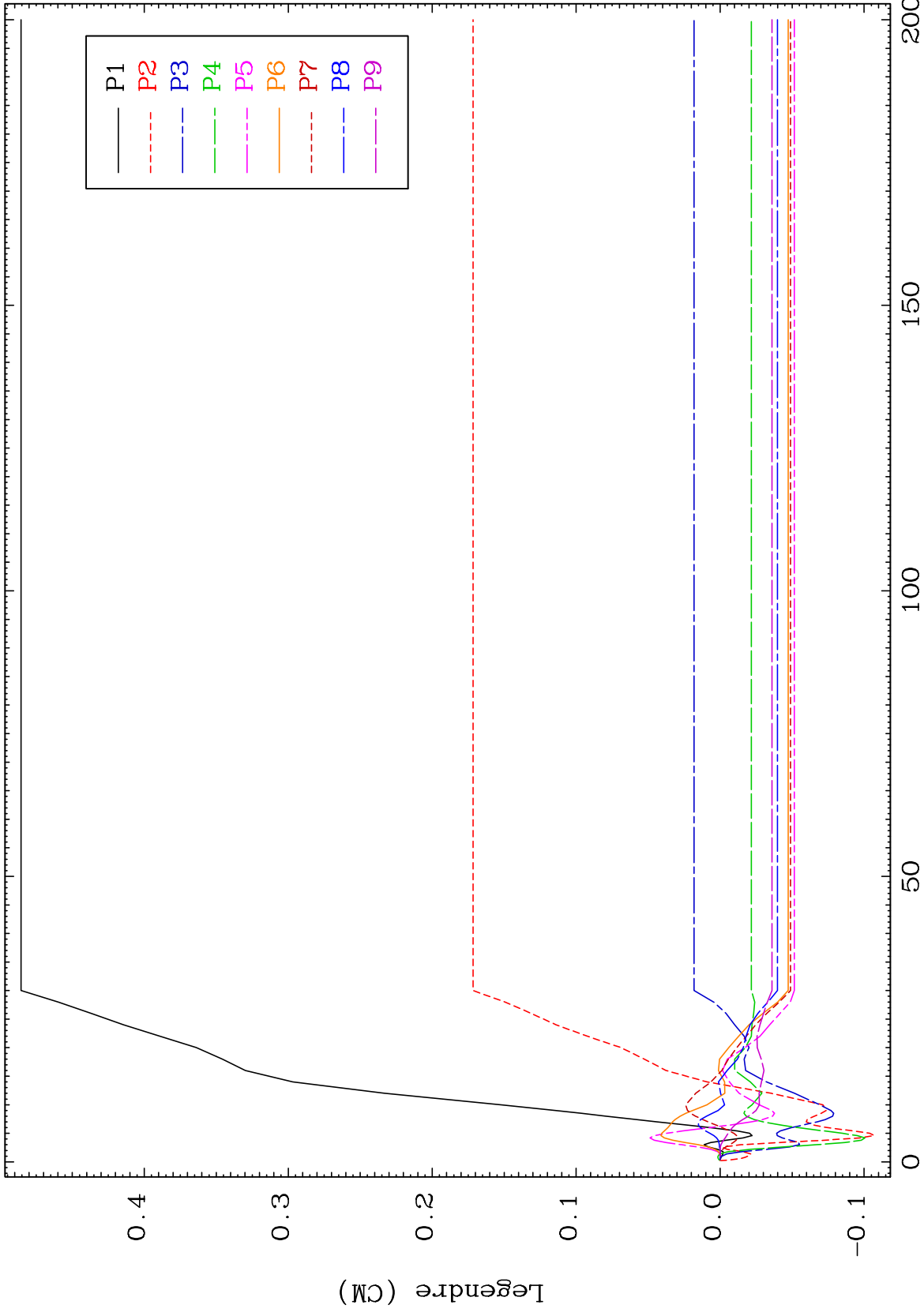
74-W -177



MAT 7416

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

74-W -177



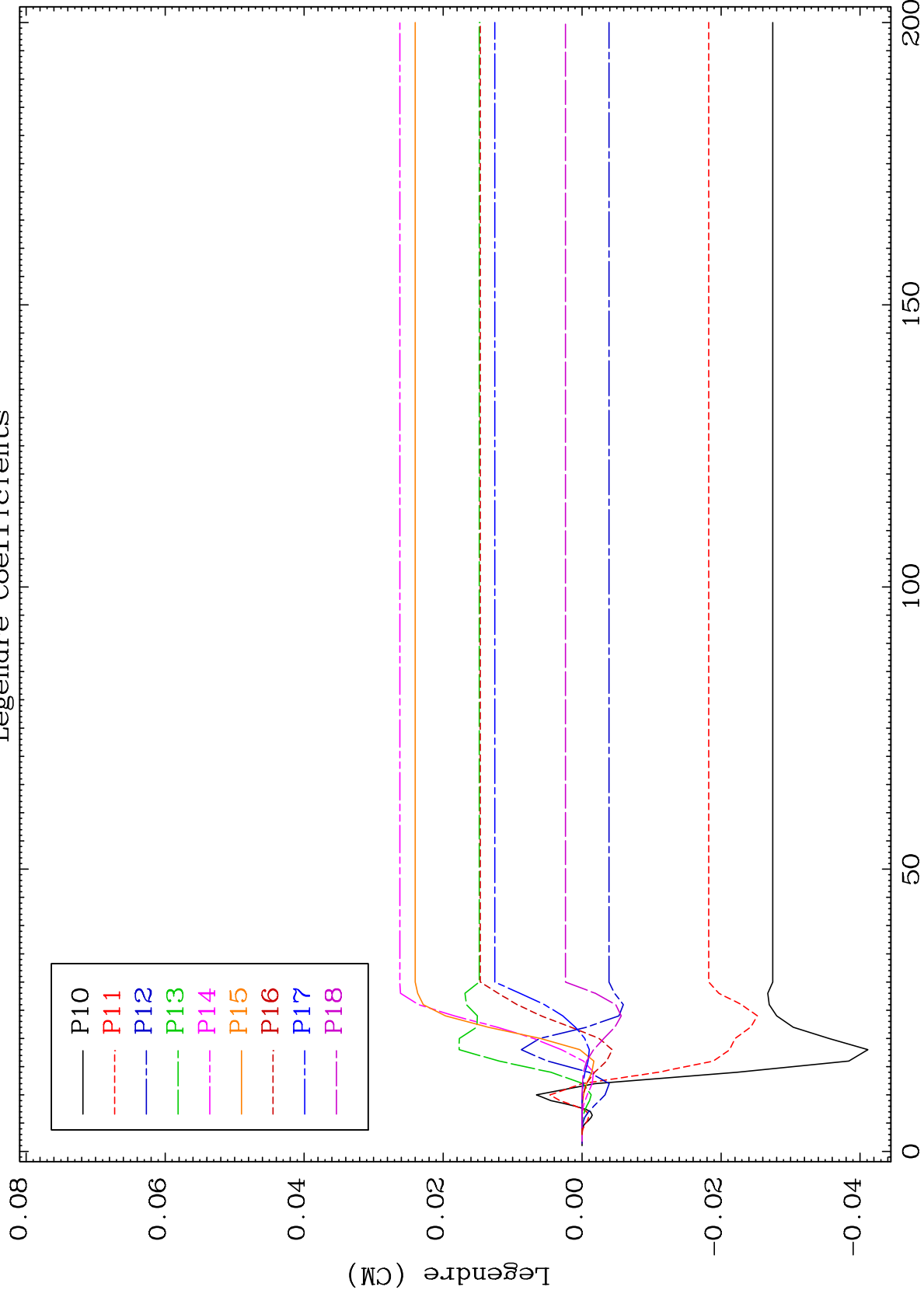
42

74-W -177

MAT 7416

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

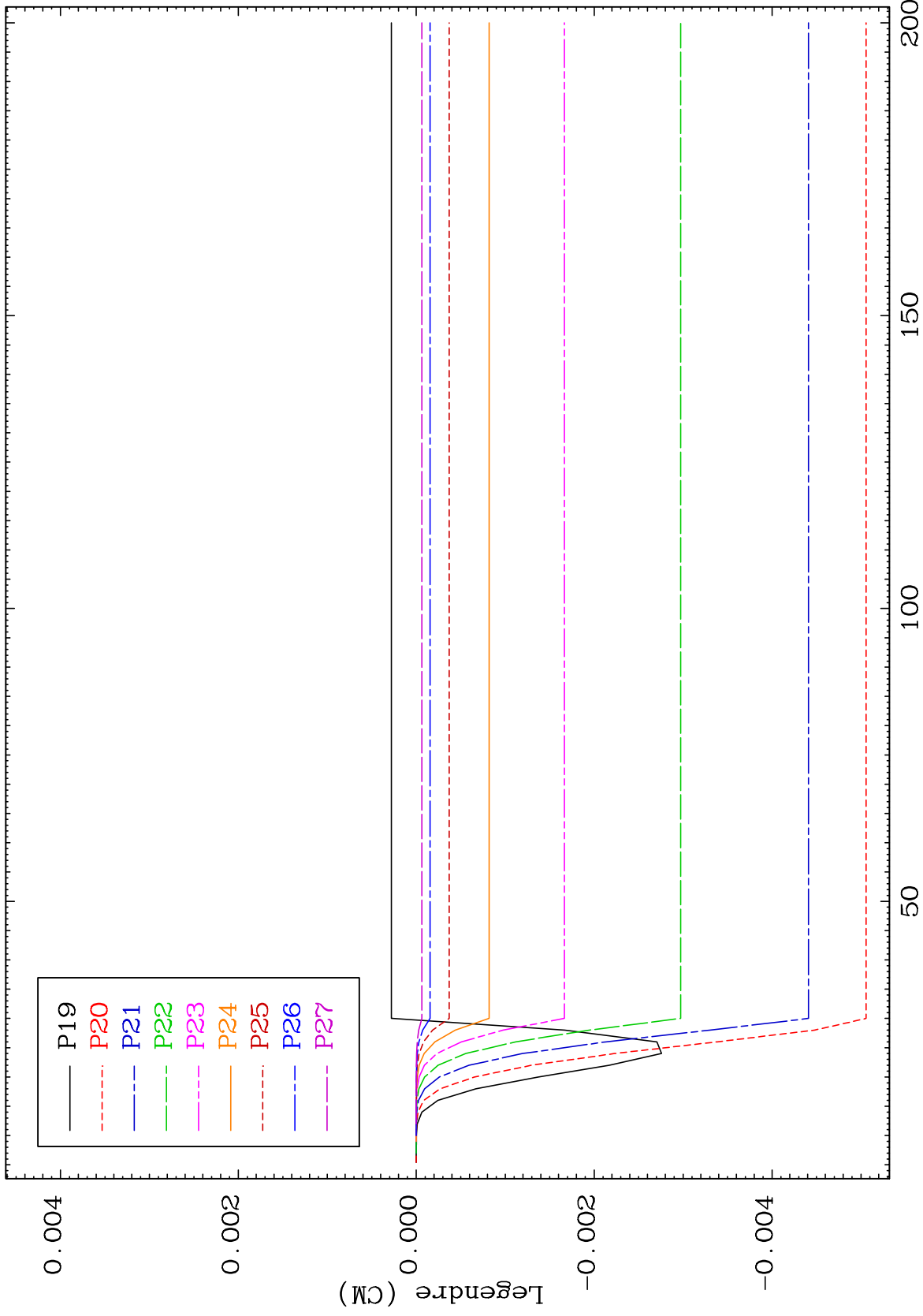
74-W -177



43

Incident Energy (MeV)

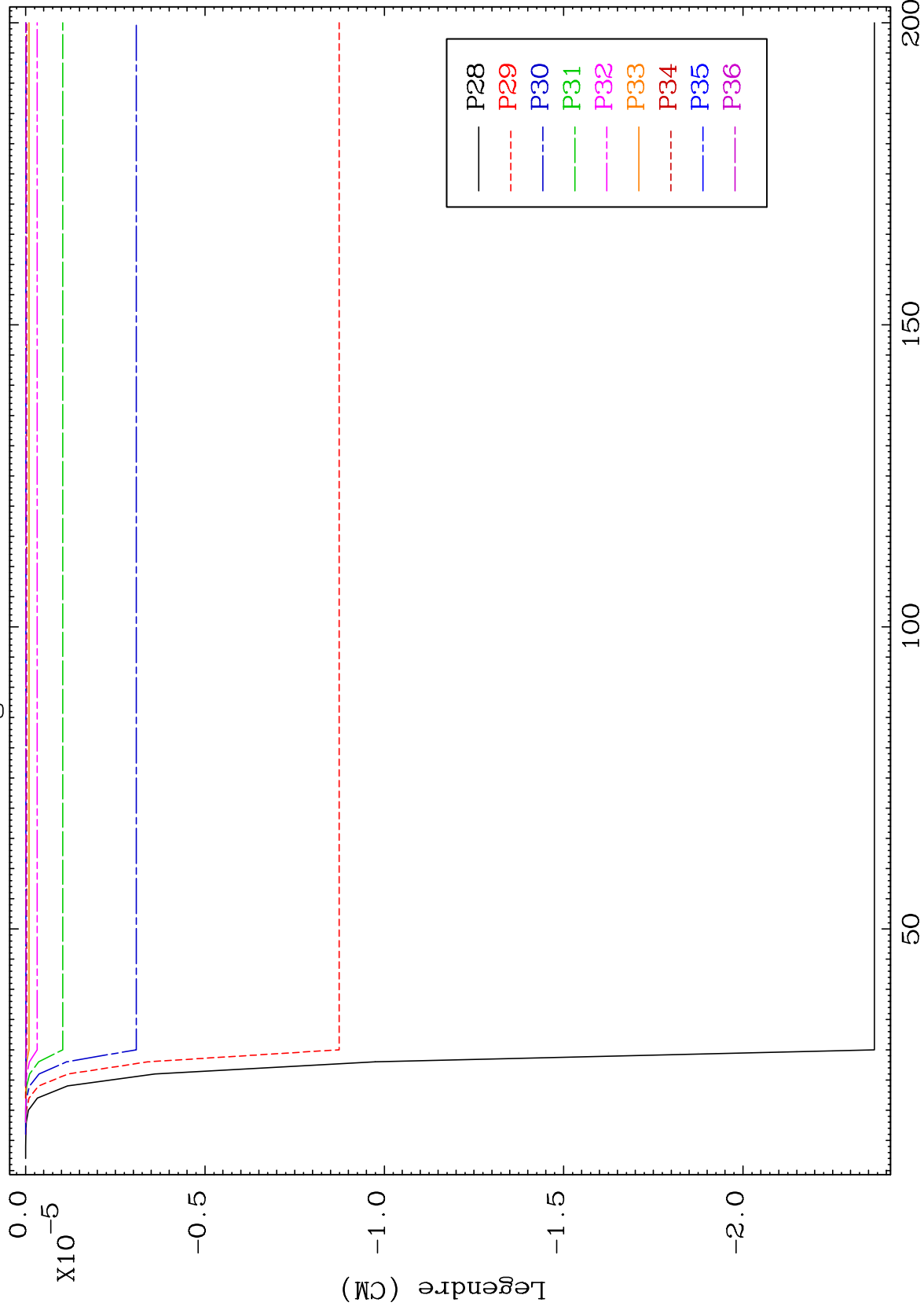
74-W -177



MAT 7416

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

74-W -177



74-W -177

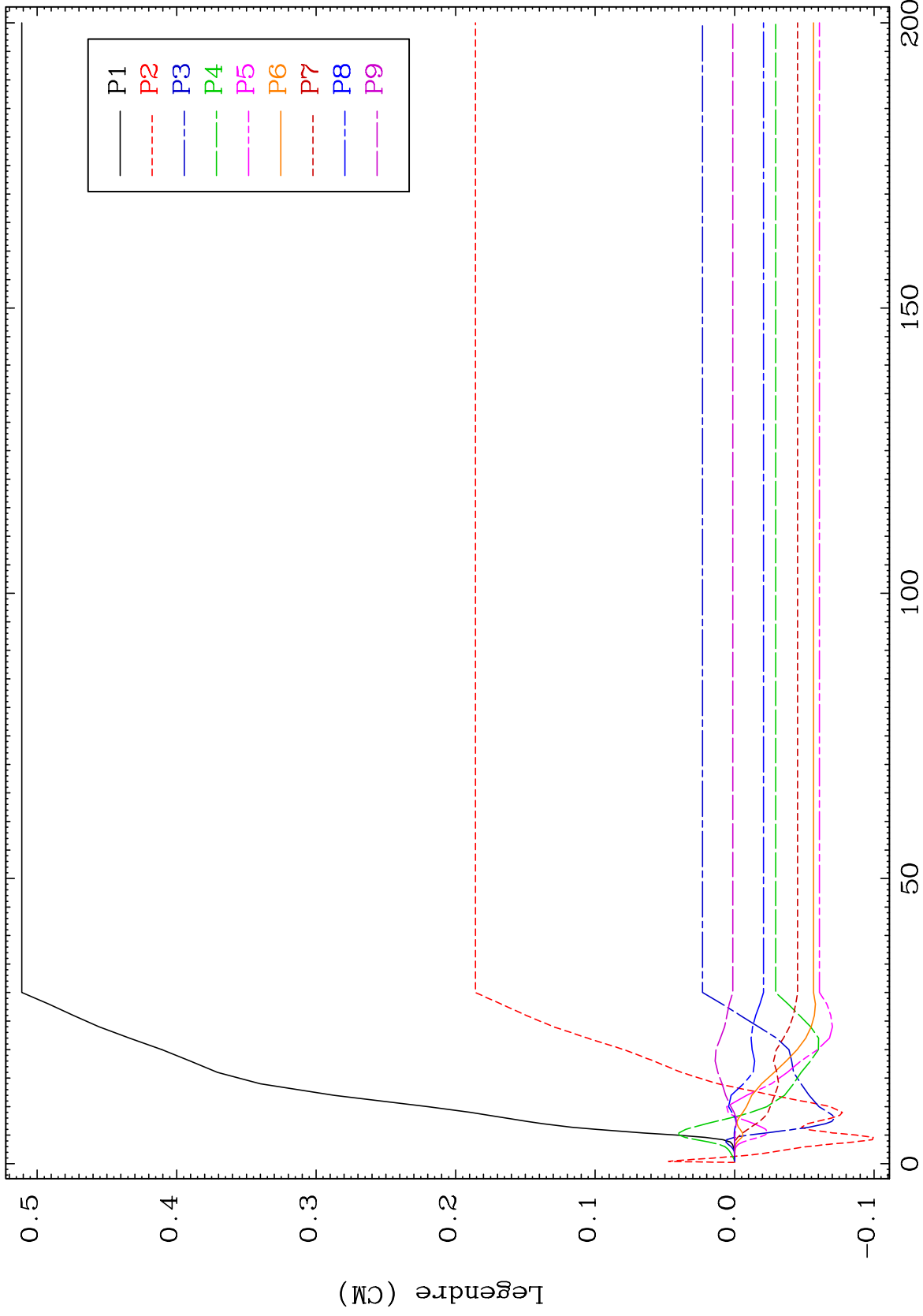
Incident Energy (MeV)

45

MAT 7416

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

74-W -177



46

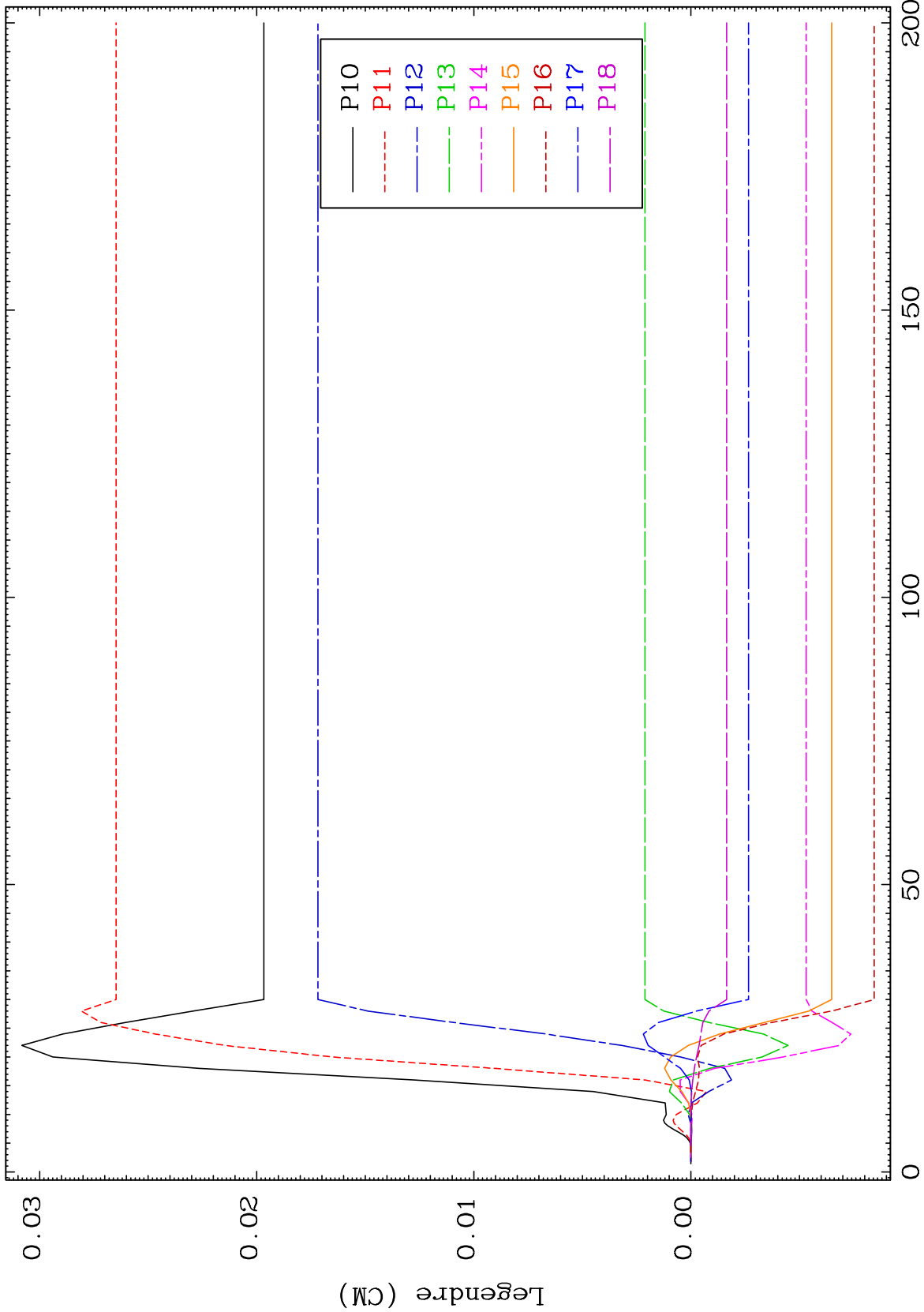
Incident Energy (MeV)

74-W -177

MAT 7416

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

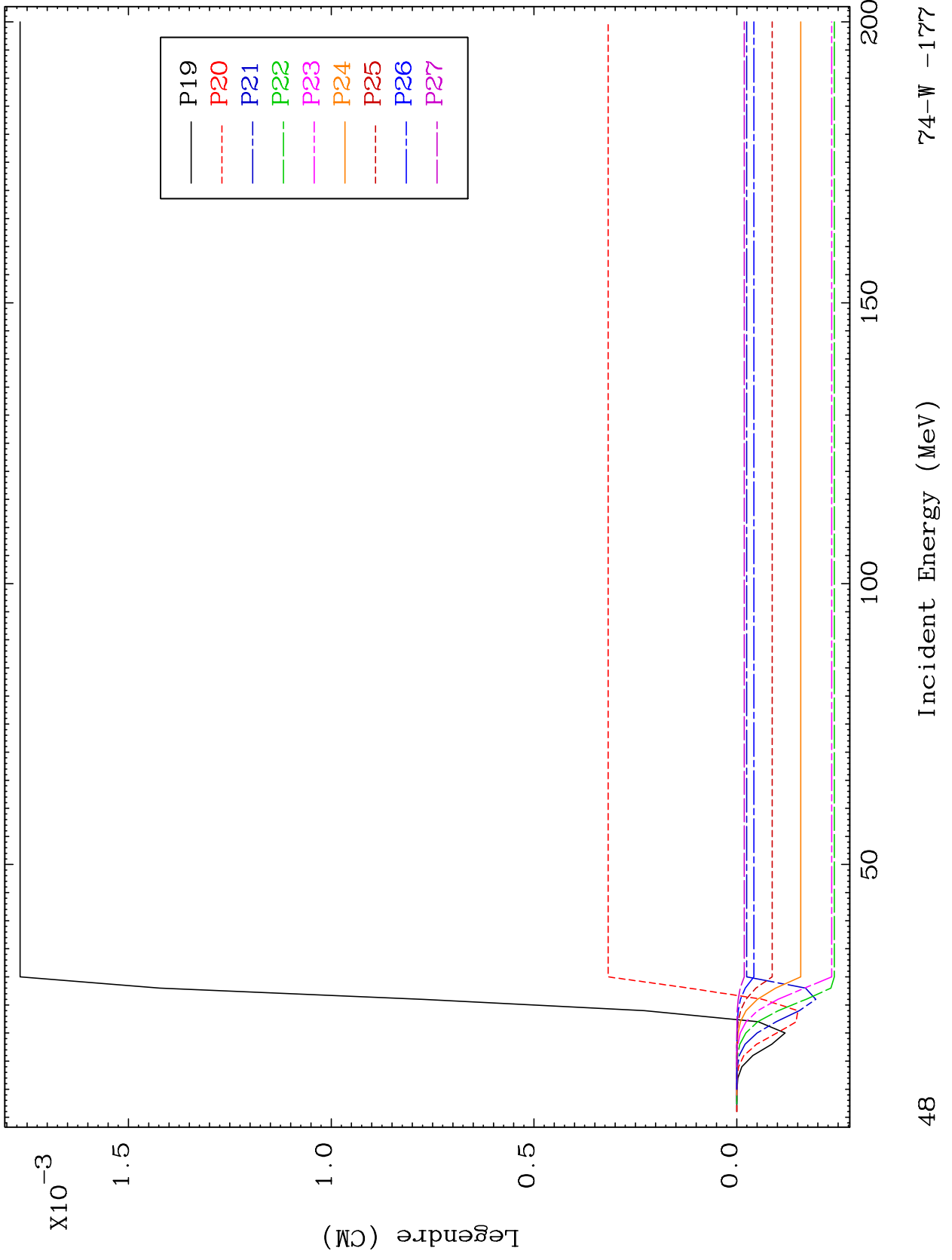
74-W -177



47

Incident Energy (MeV)

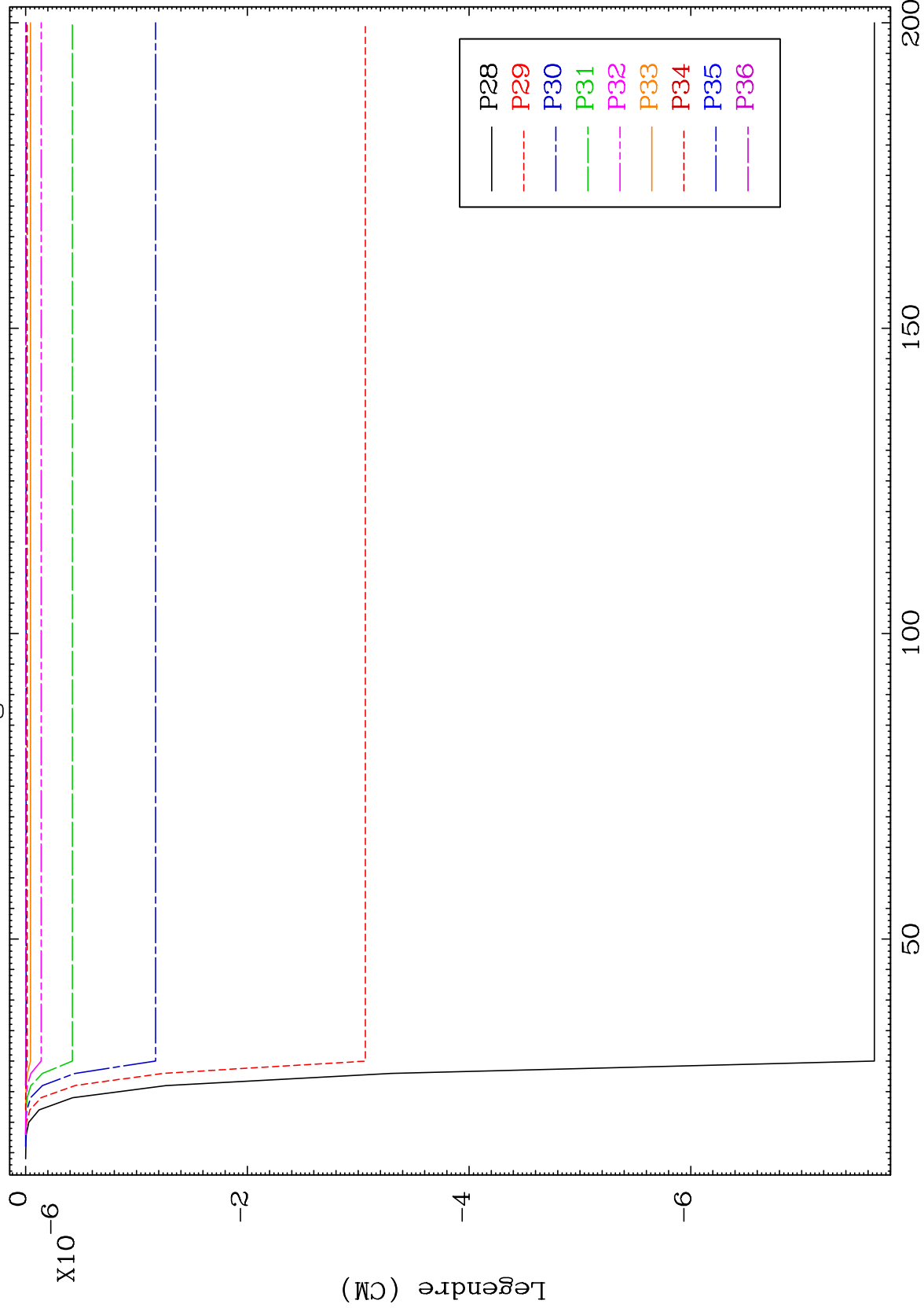
74-W -177



MAT 7416

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

74-W -177



49

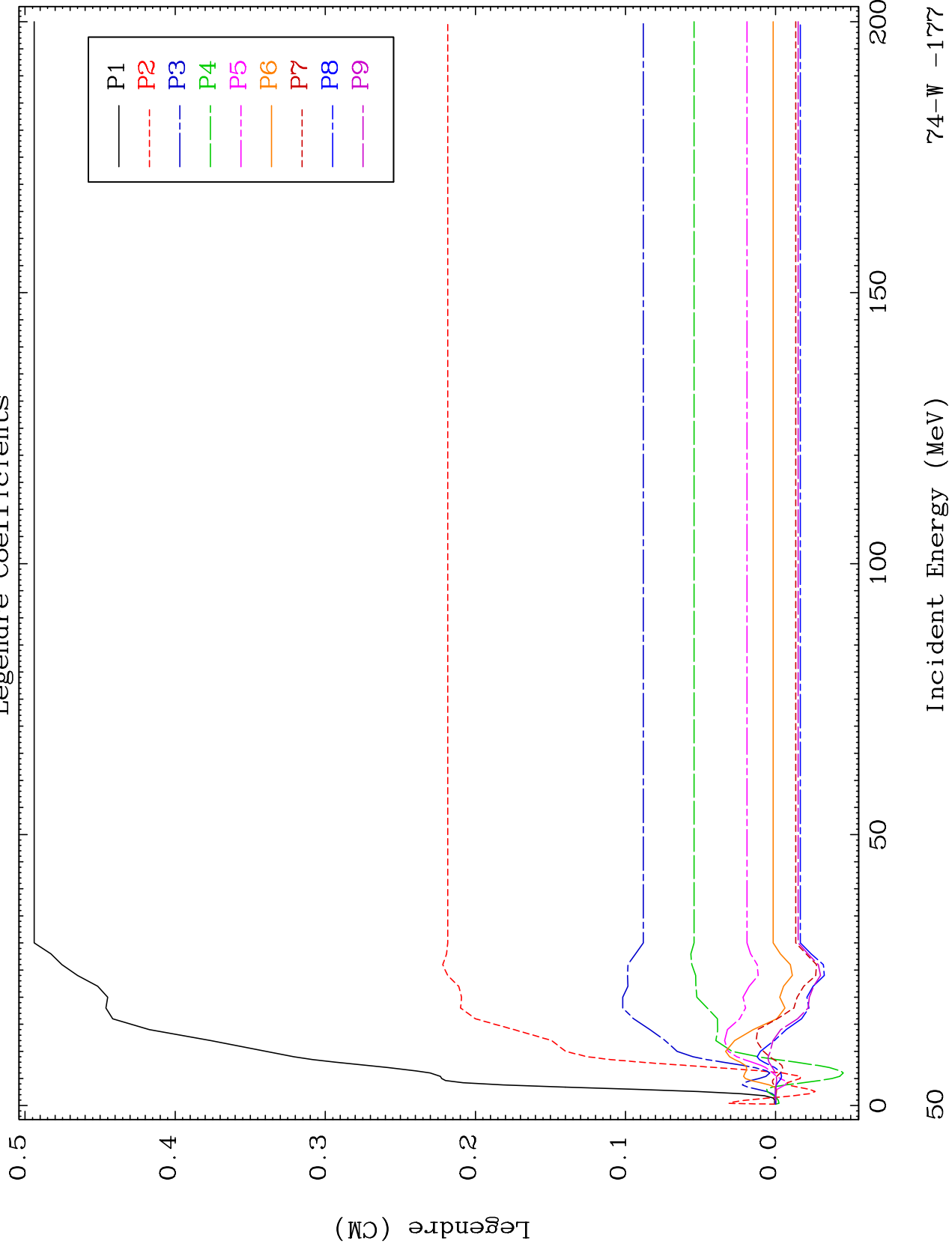
Incident Energy (MeV)

74-W -177

MAT 7416

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

74-W -177



74-W -177

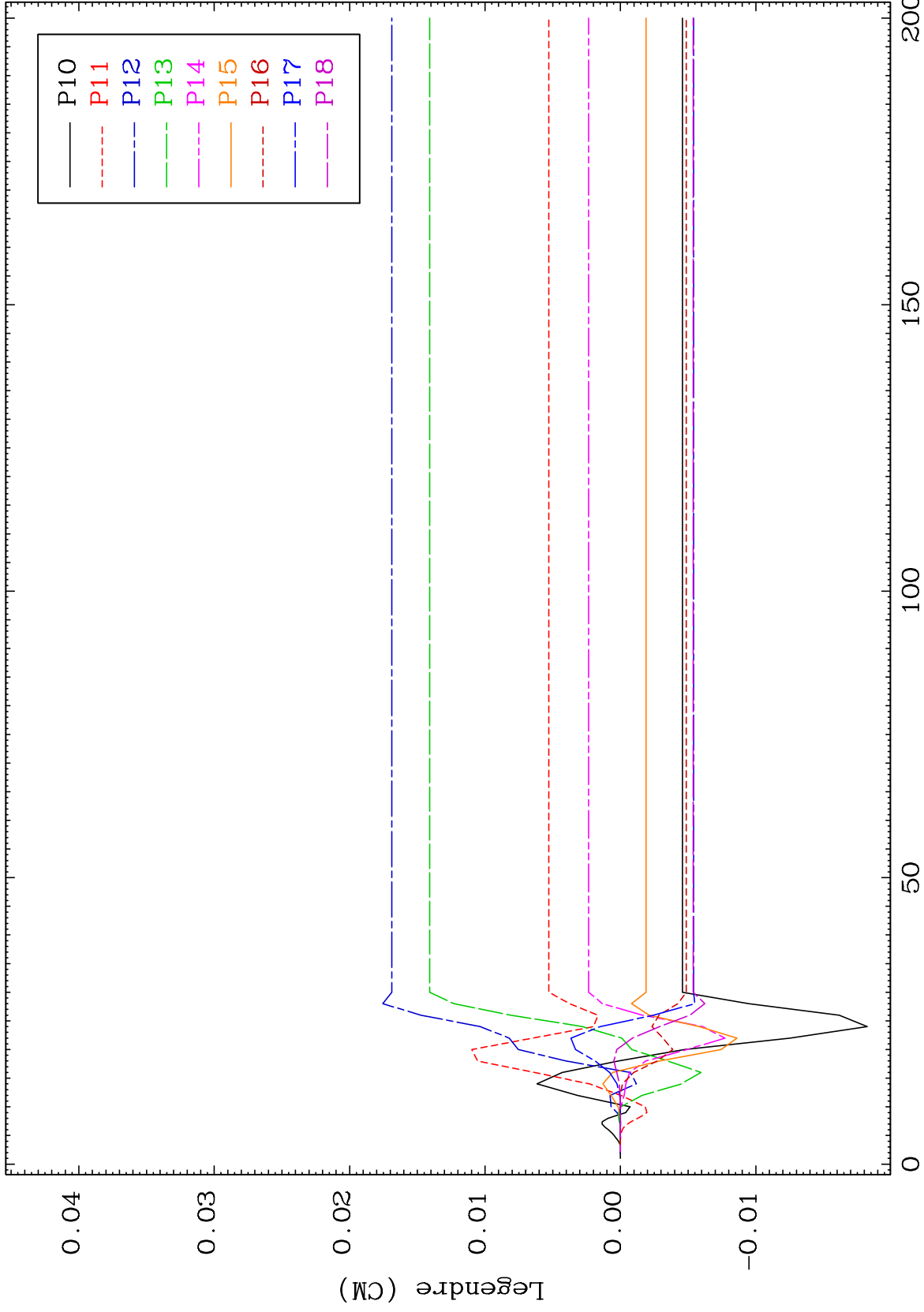
Incident Energy (MeV)

50

MAT 7416

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

74-W -177



51

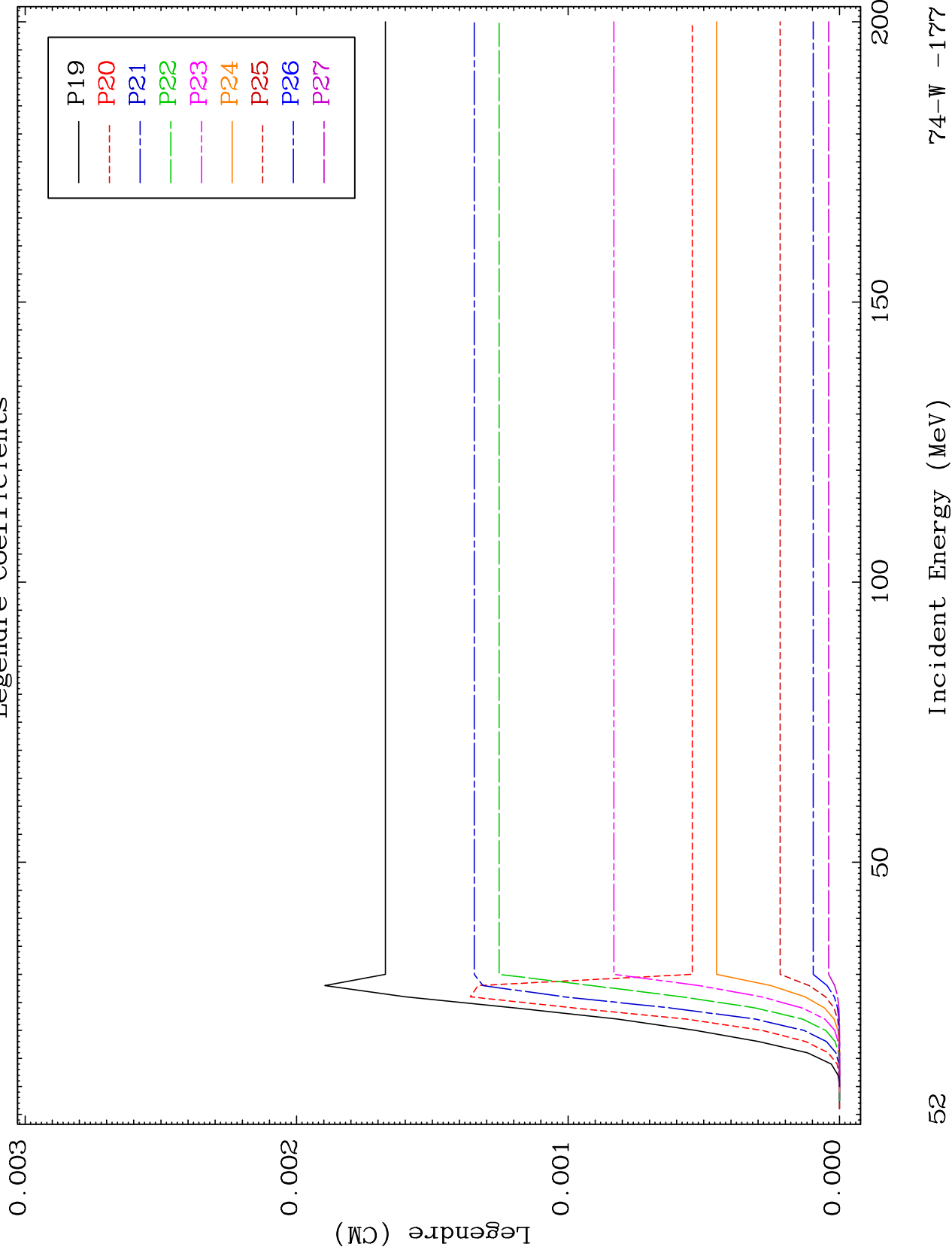
Incident Energy (MeV)

74-W -177

MAT 7416

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

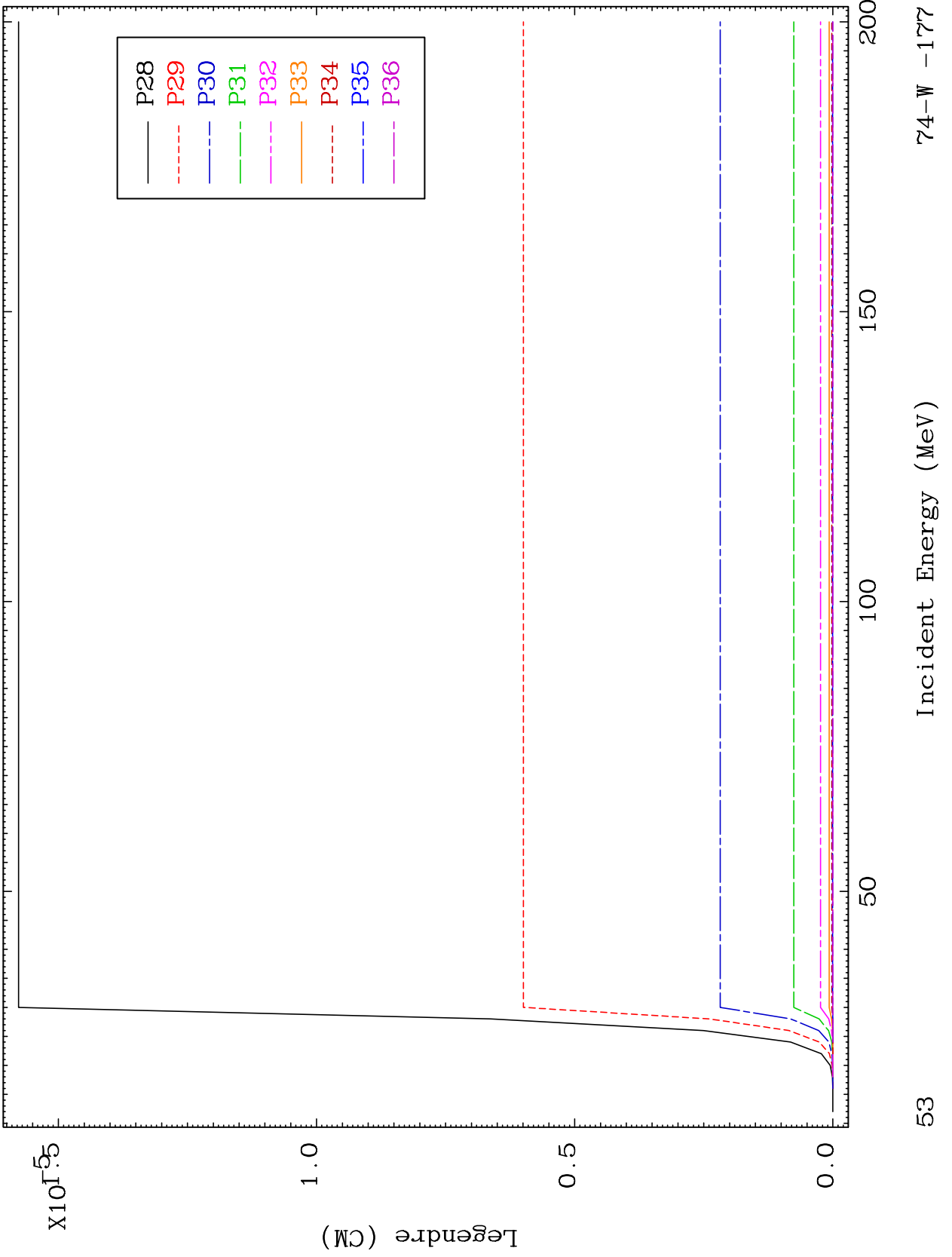
74-W -177

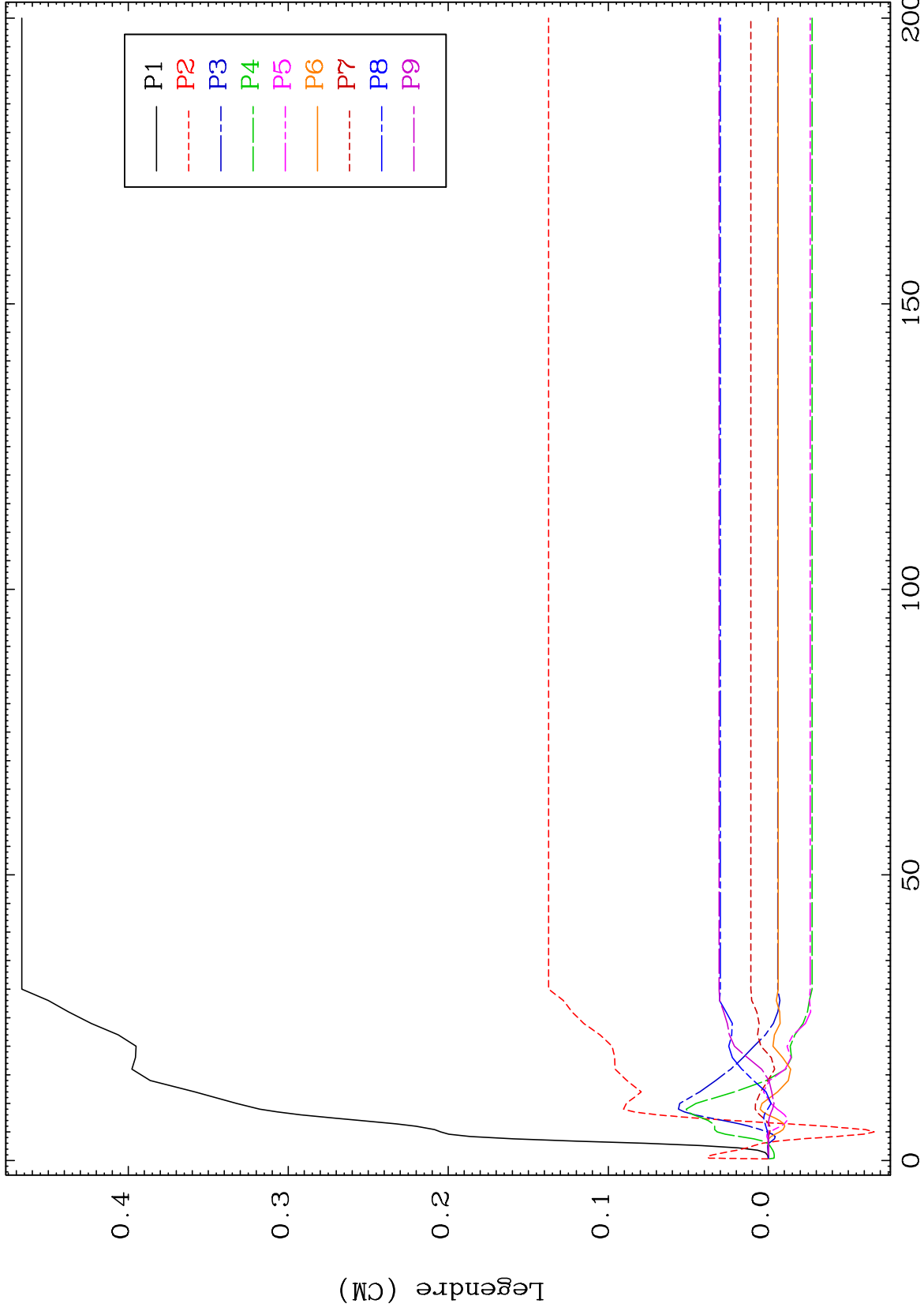


52

Incident Energy (MeV)

74-W -177

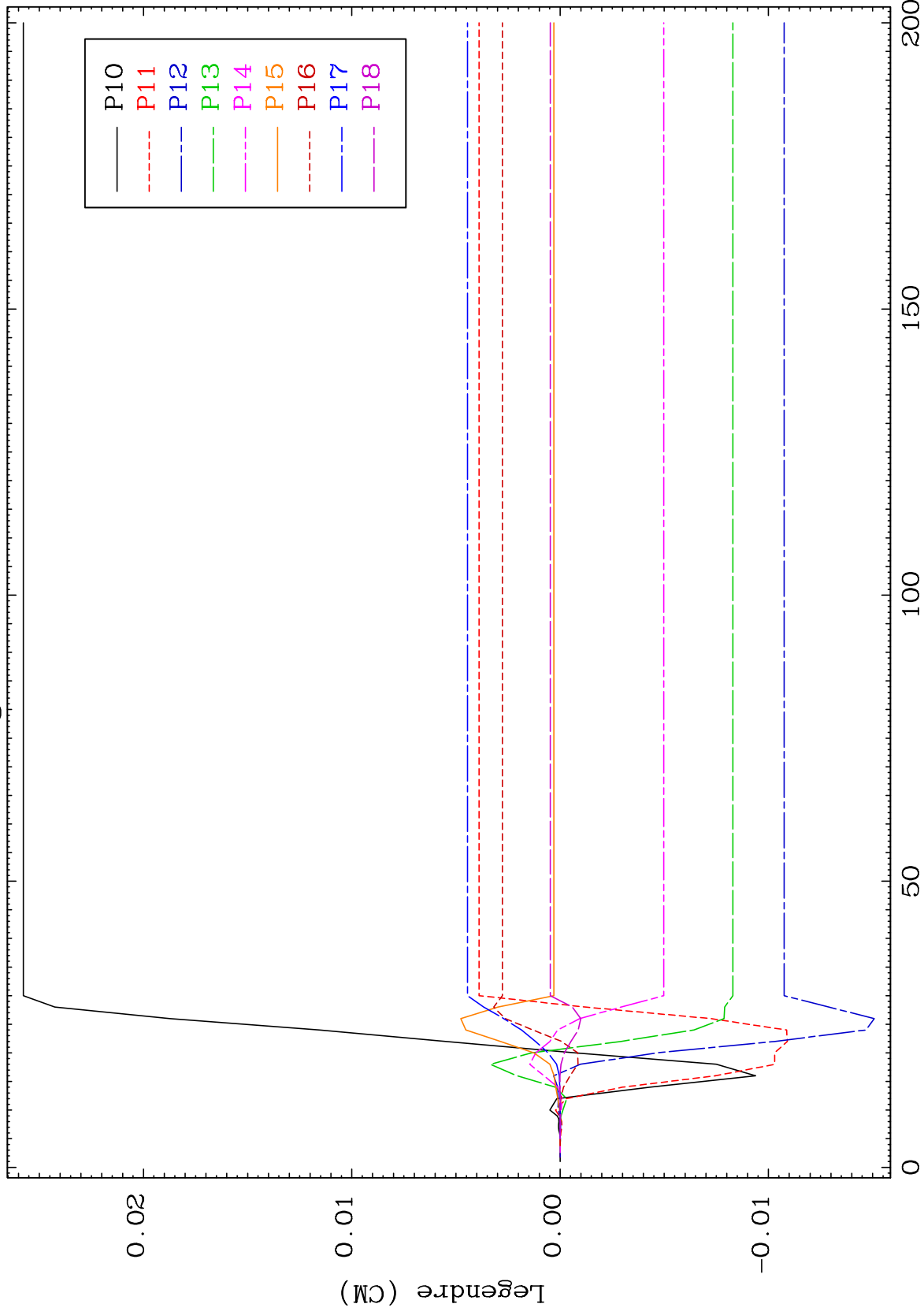




MAT 7416

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

74-W -177



55

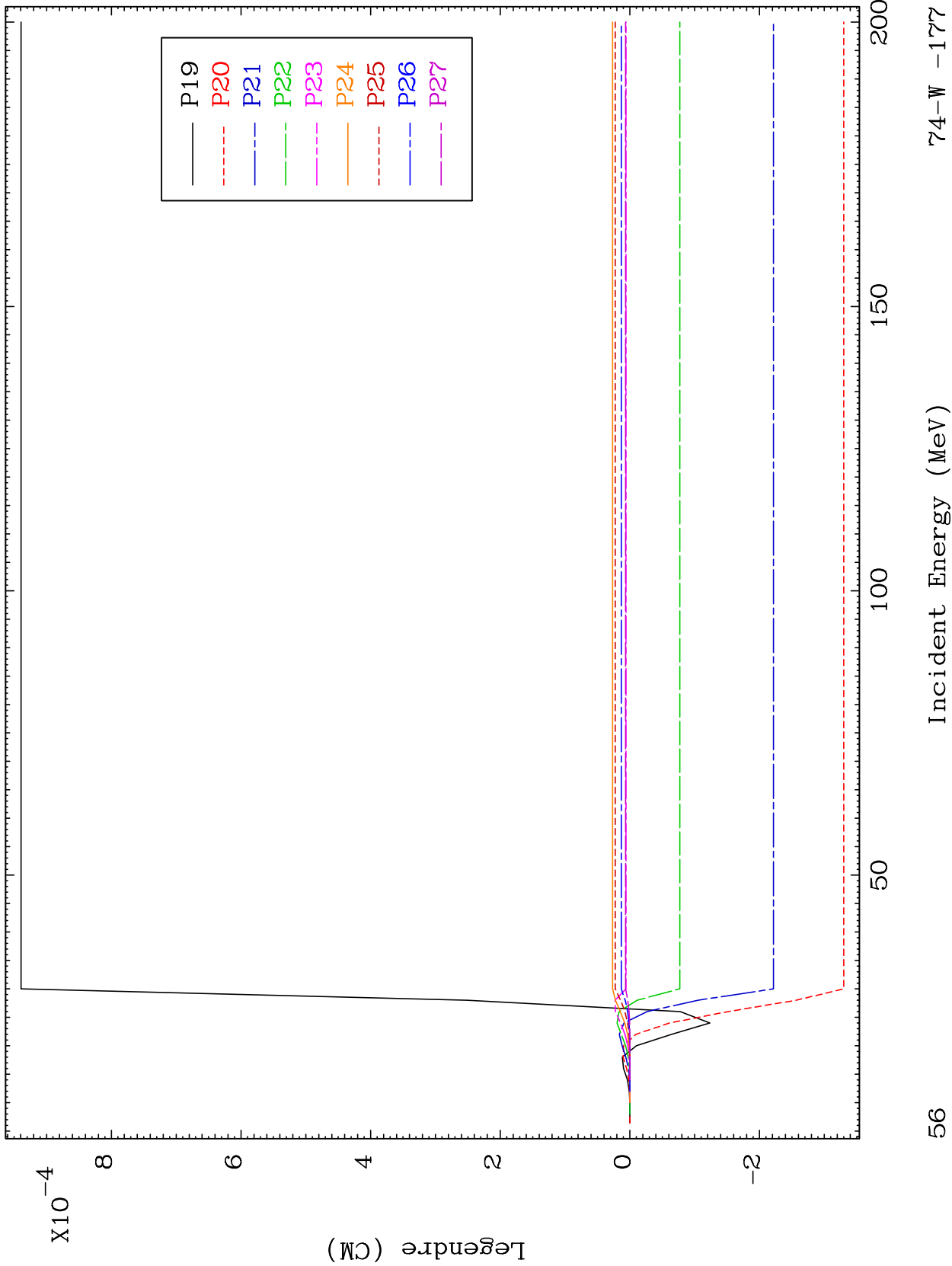
Incident Energy (MeV)

74-W -177

MAT 7416

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

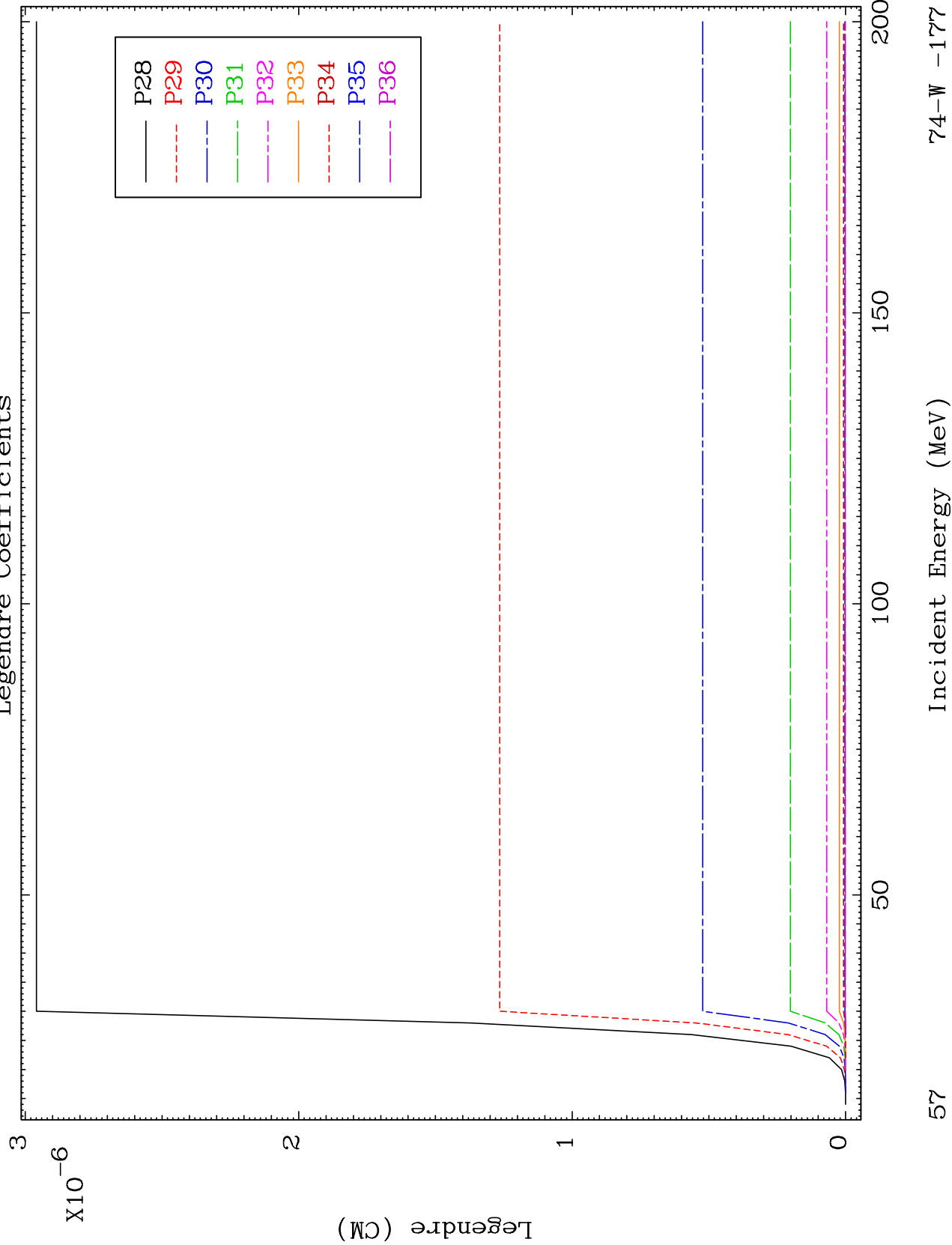
74-W -177



56

Incident Energy (MeV)

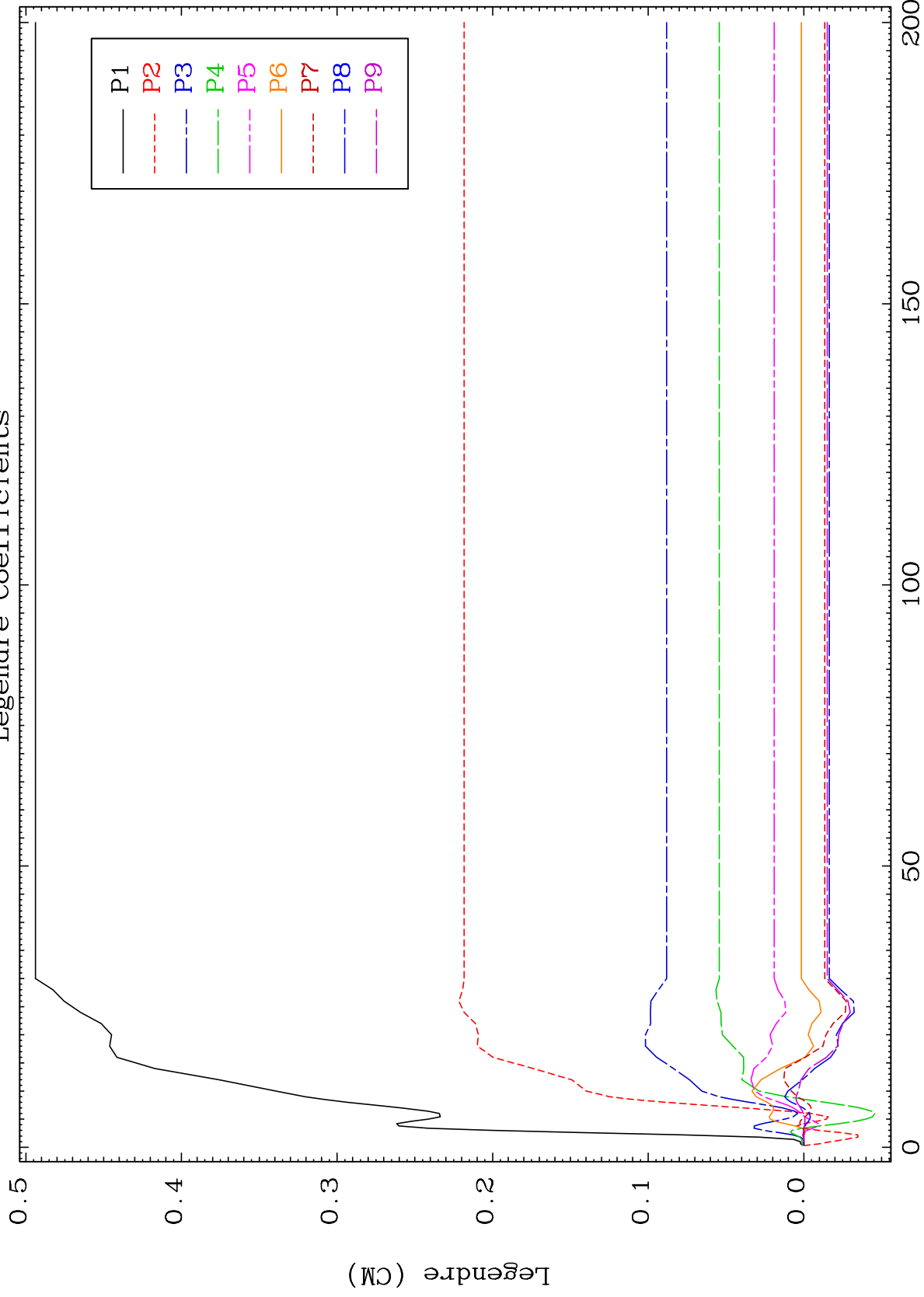
74-W -177



MAT 7416

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

74-W -177



58

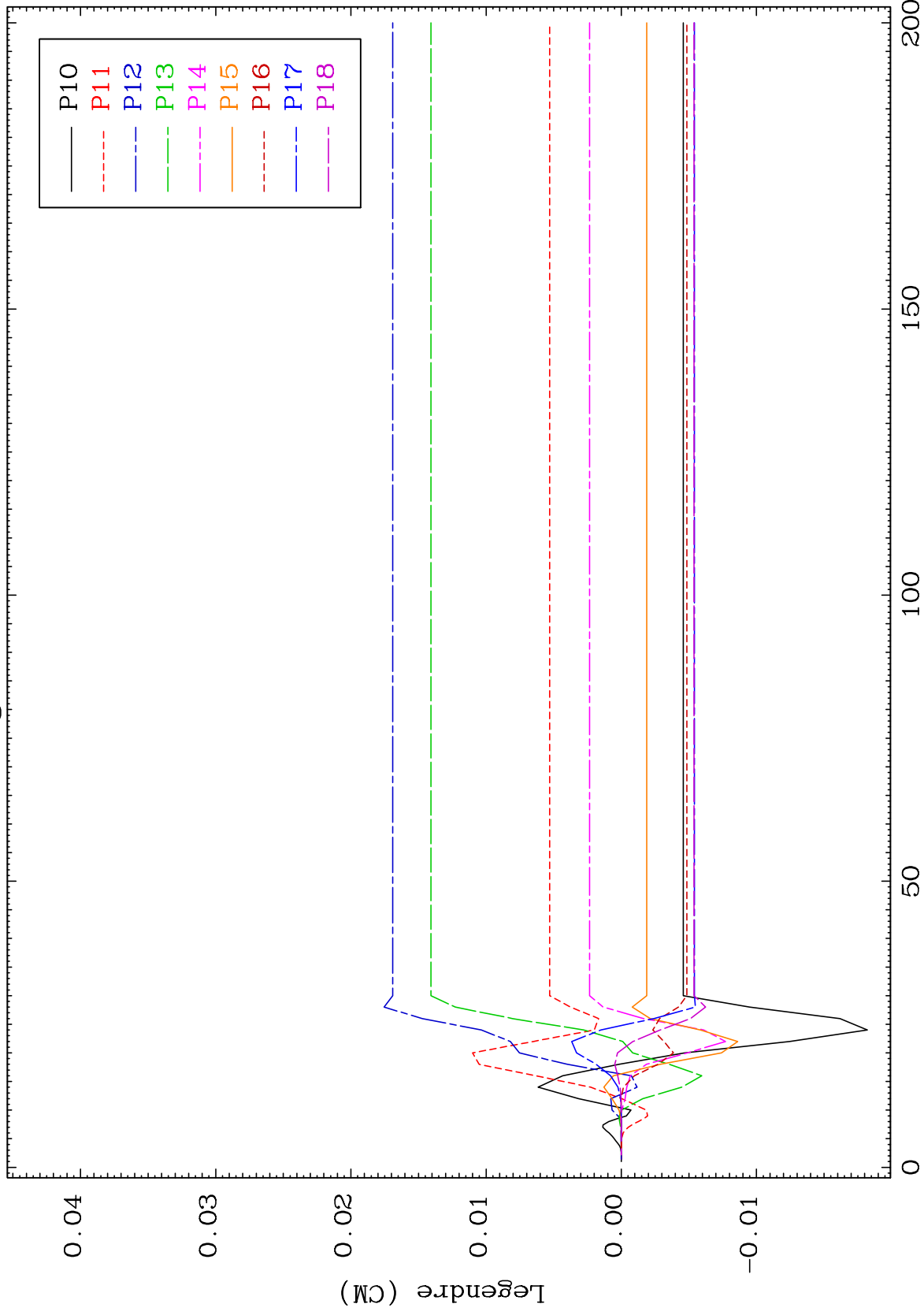
Incident Energy (MeV)

74-W -177

MAT 7416

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

74-W -177



59

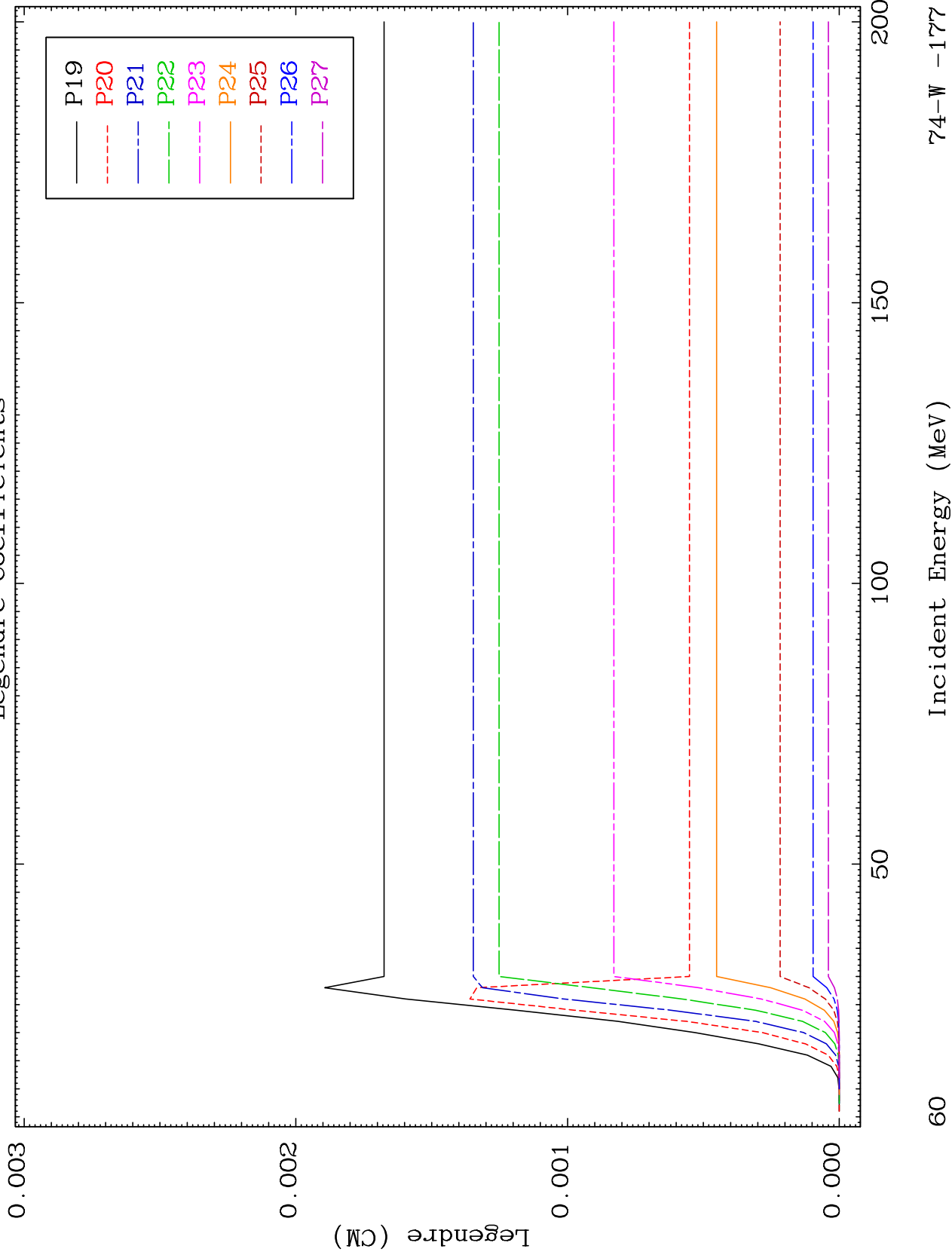
Incident Energy (MeV)

74-W -177

MAT 7416

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

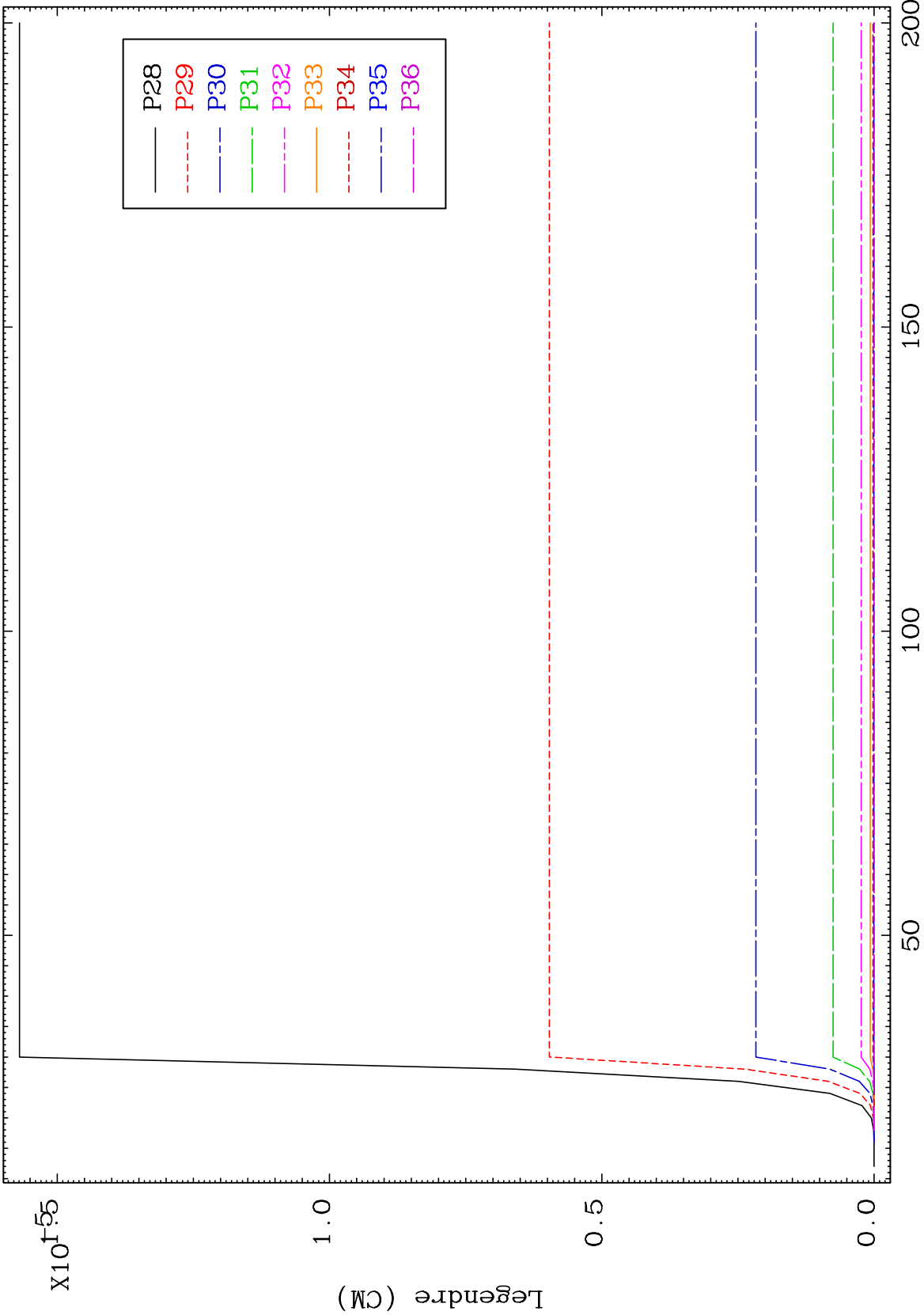
74-W -177



60

Incident Energy (MeV)

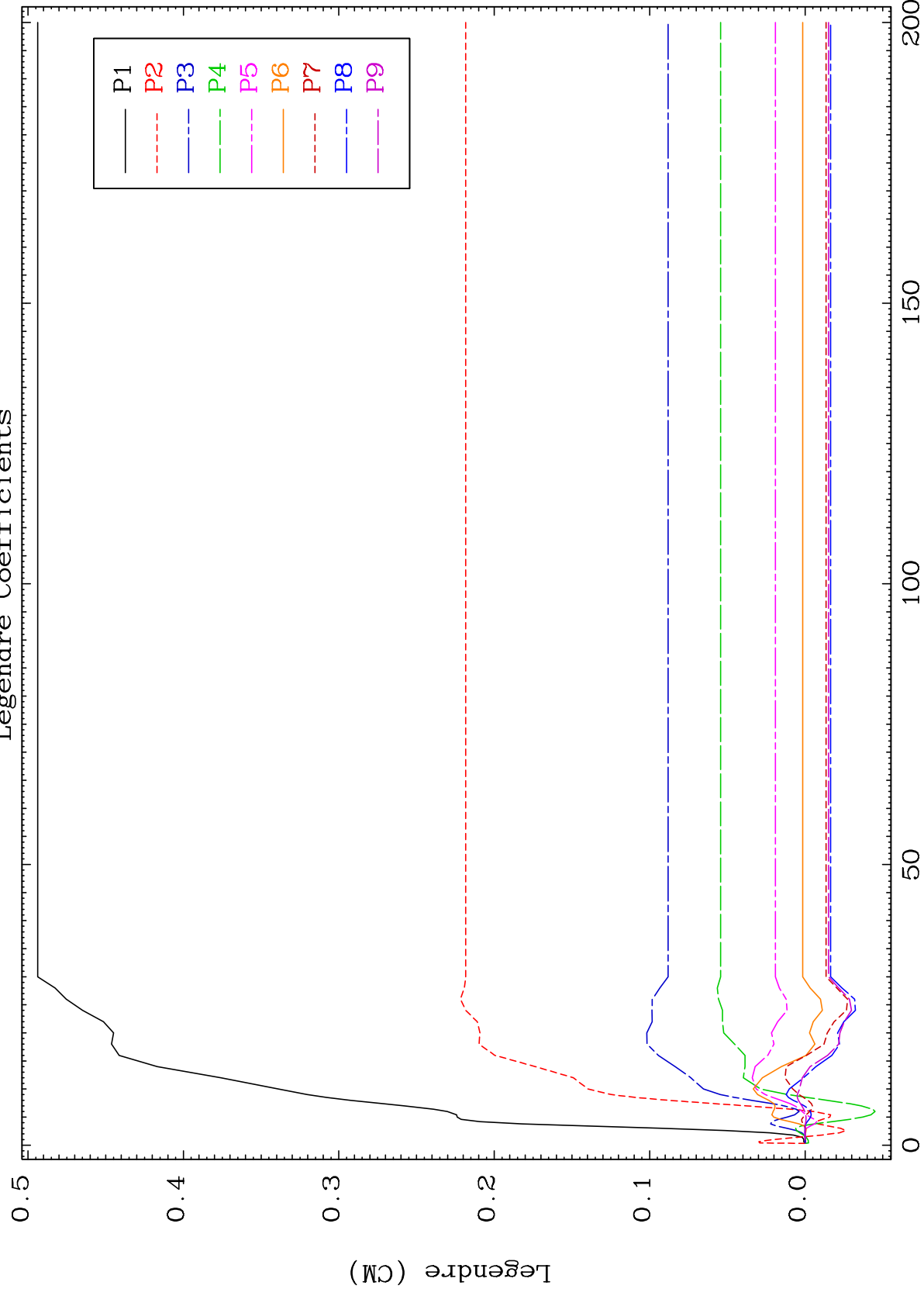
74-W -177



MAT 7416

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

74-W -177



74-W -177

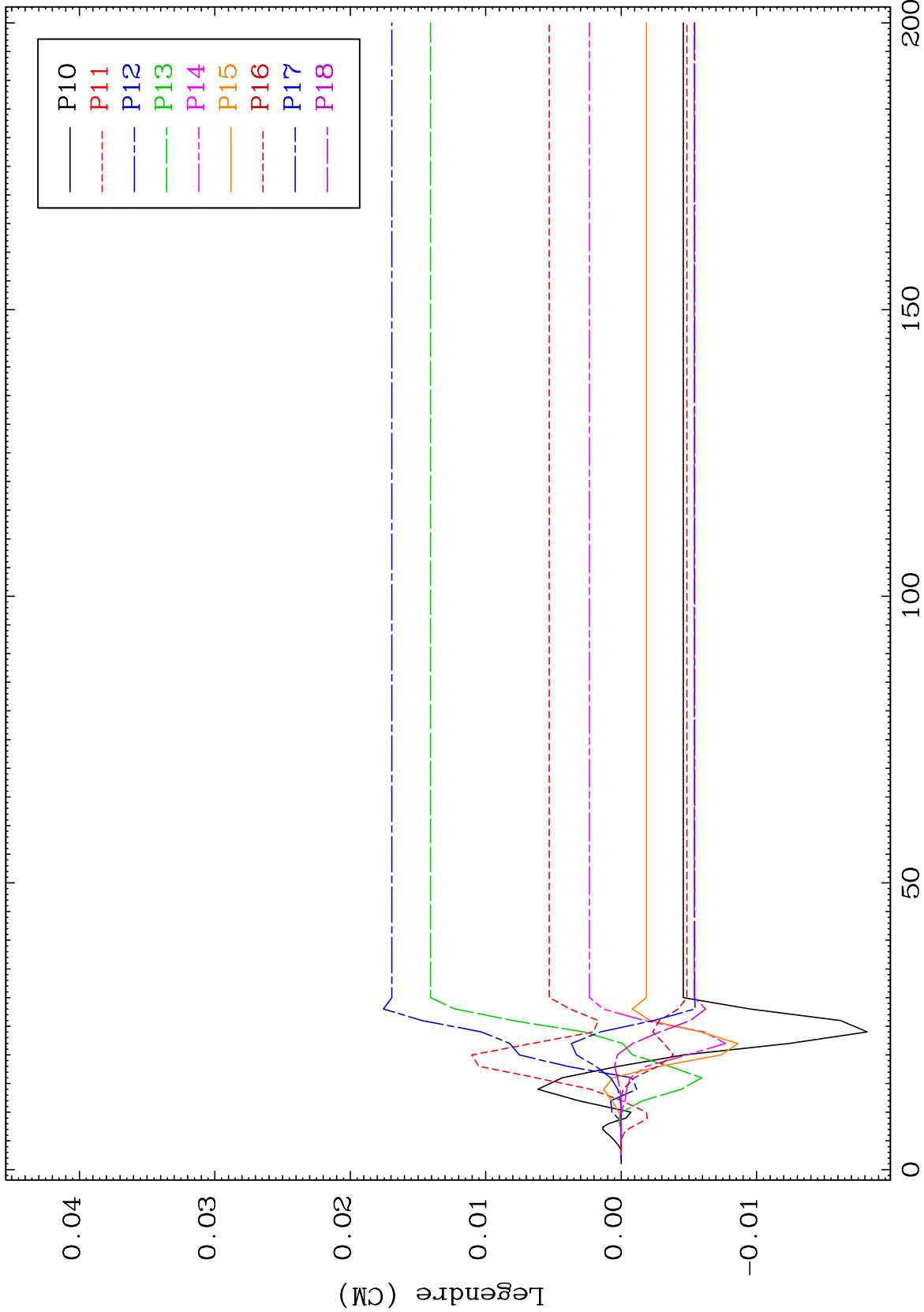
Incident Energy (MeV)

62

MAT 7416

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

74-W -177



63

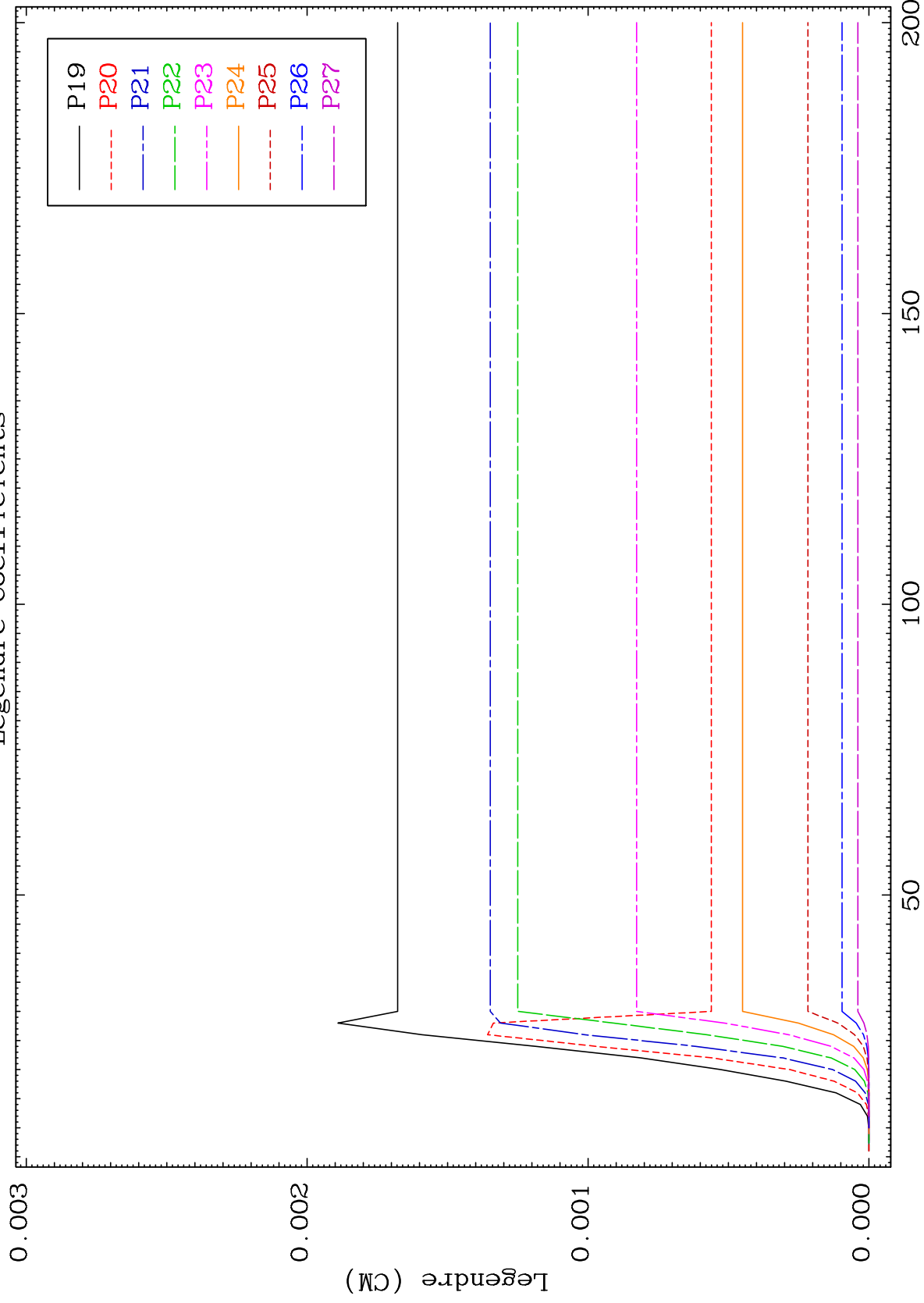
Incident Energy (MeV)

74-W -177

MAT 7416

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

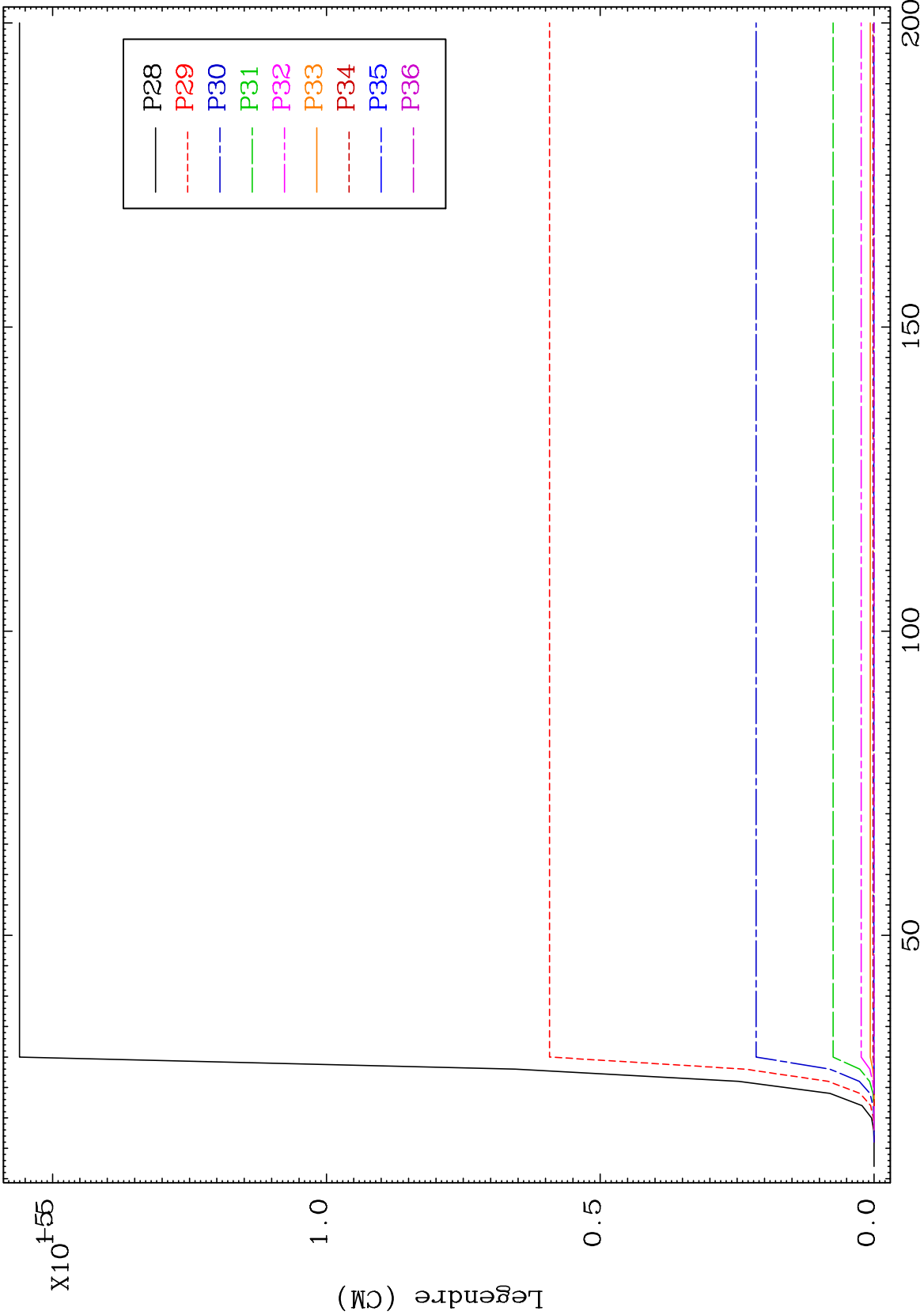
74-W -177



64

Incident Energy (MeV)

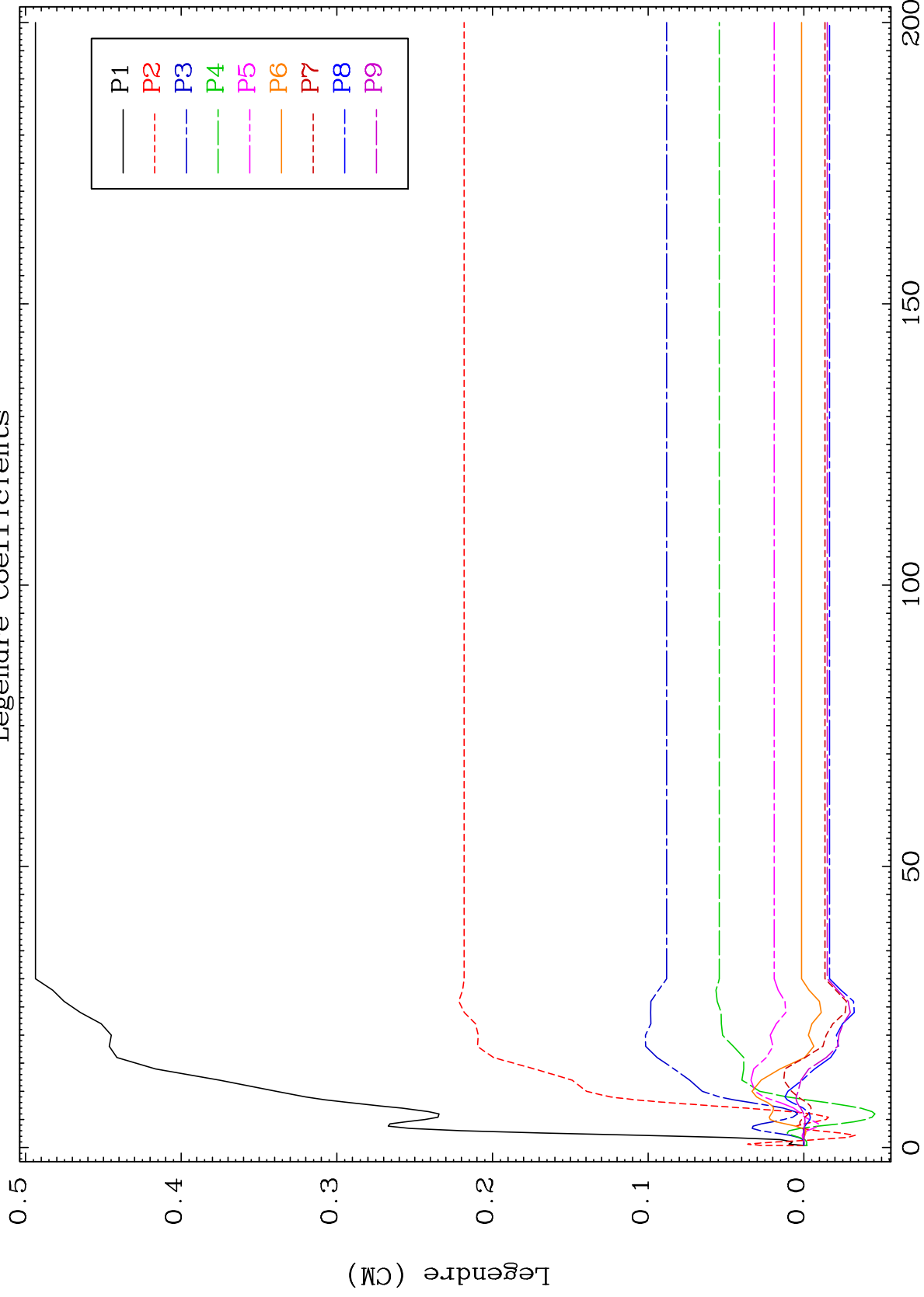
74-W -177



MAT 7416

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

74-W -177



74-W -177

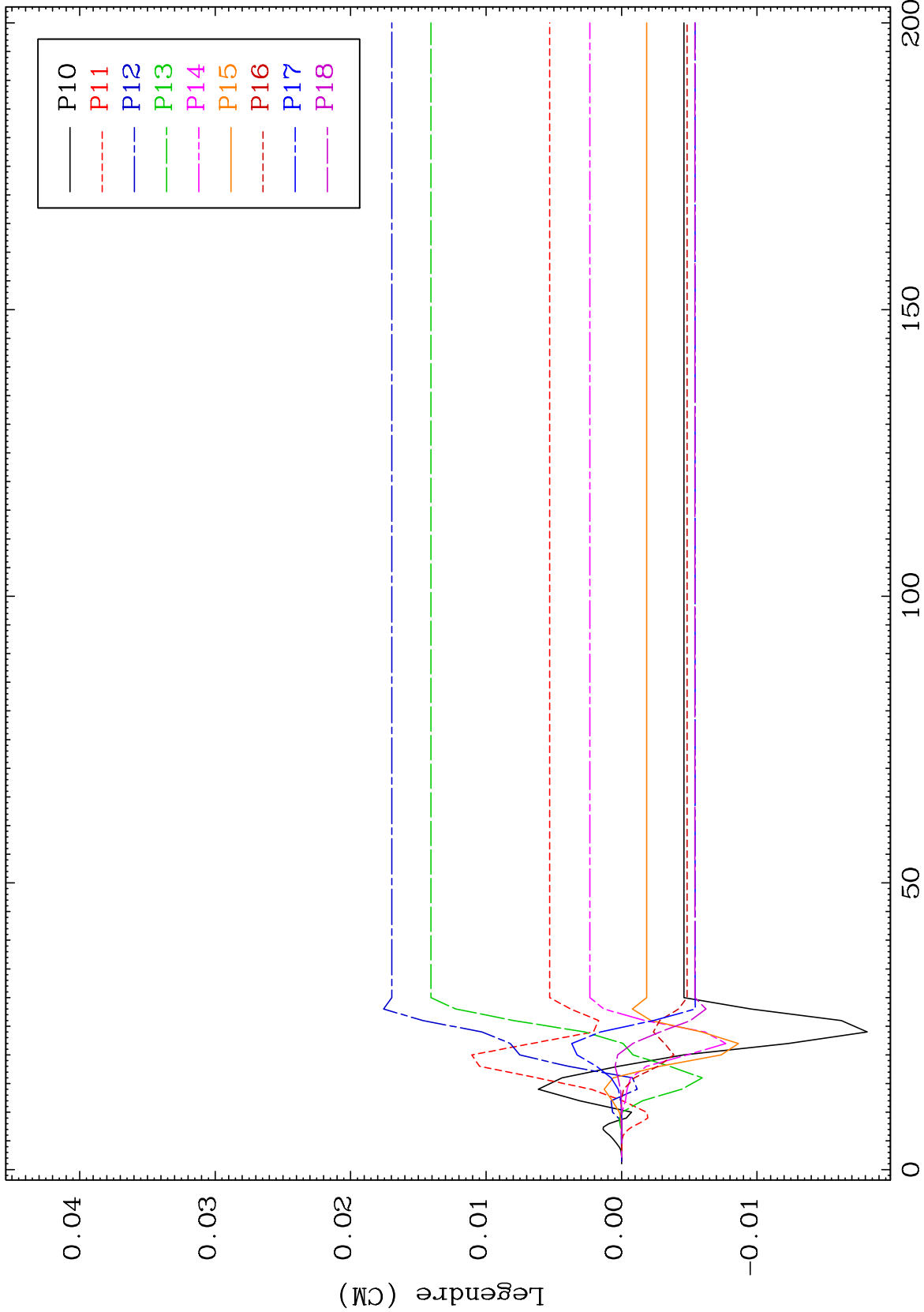
Incident Energy (MeV)

66

MAT 7416

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

74-W -177



67

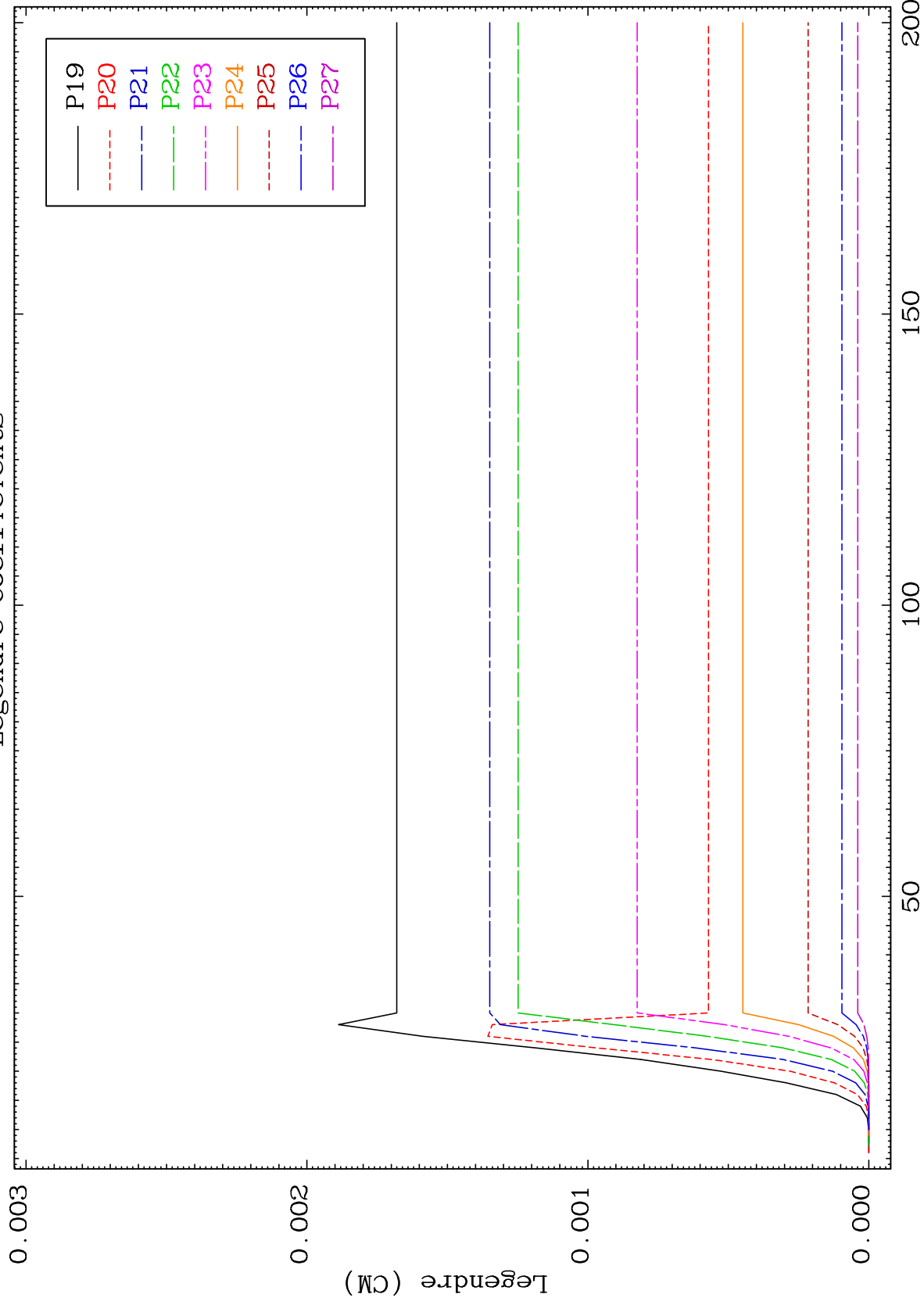
Incident Energy (MeV)

74-W -177

MAT 7416

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

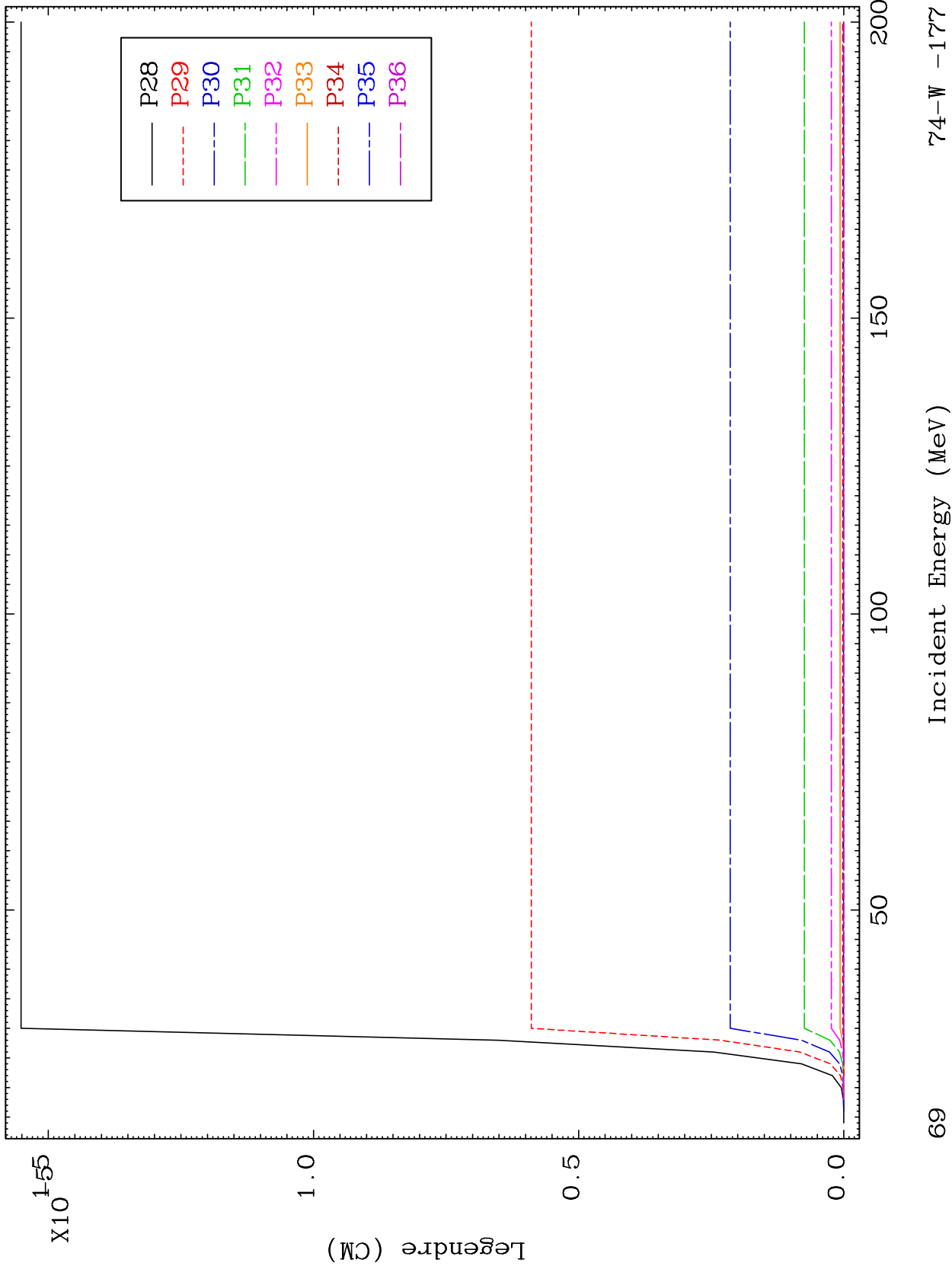
74-W -177



68

Incident Energy (MeV)

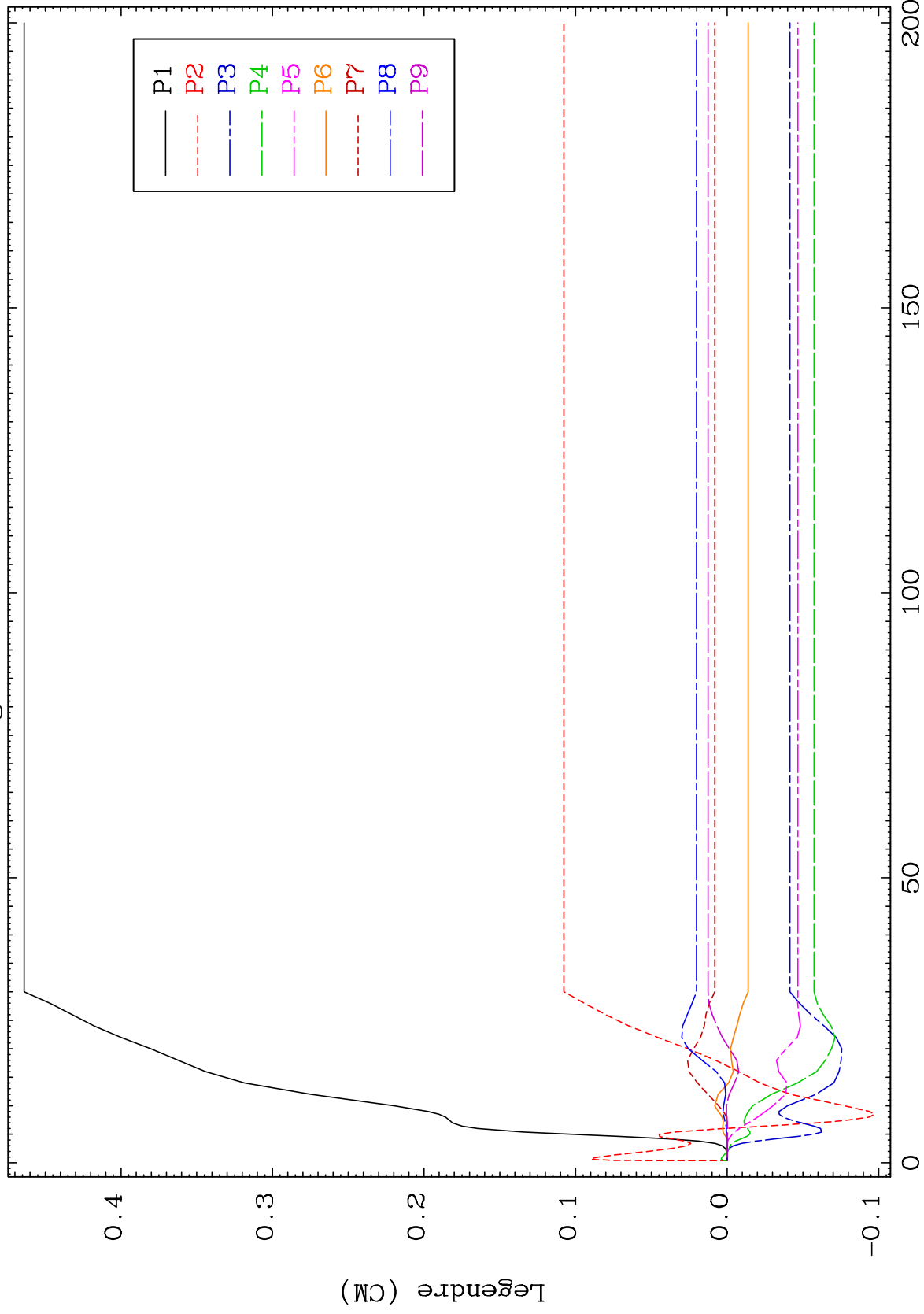
74-W -177



MAT 7416

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

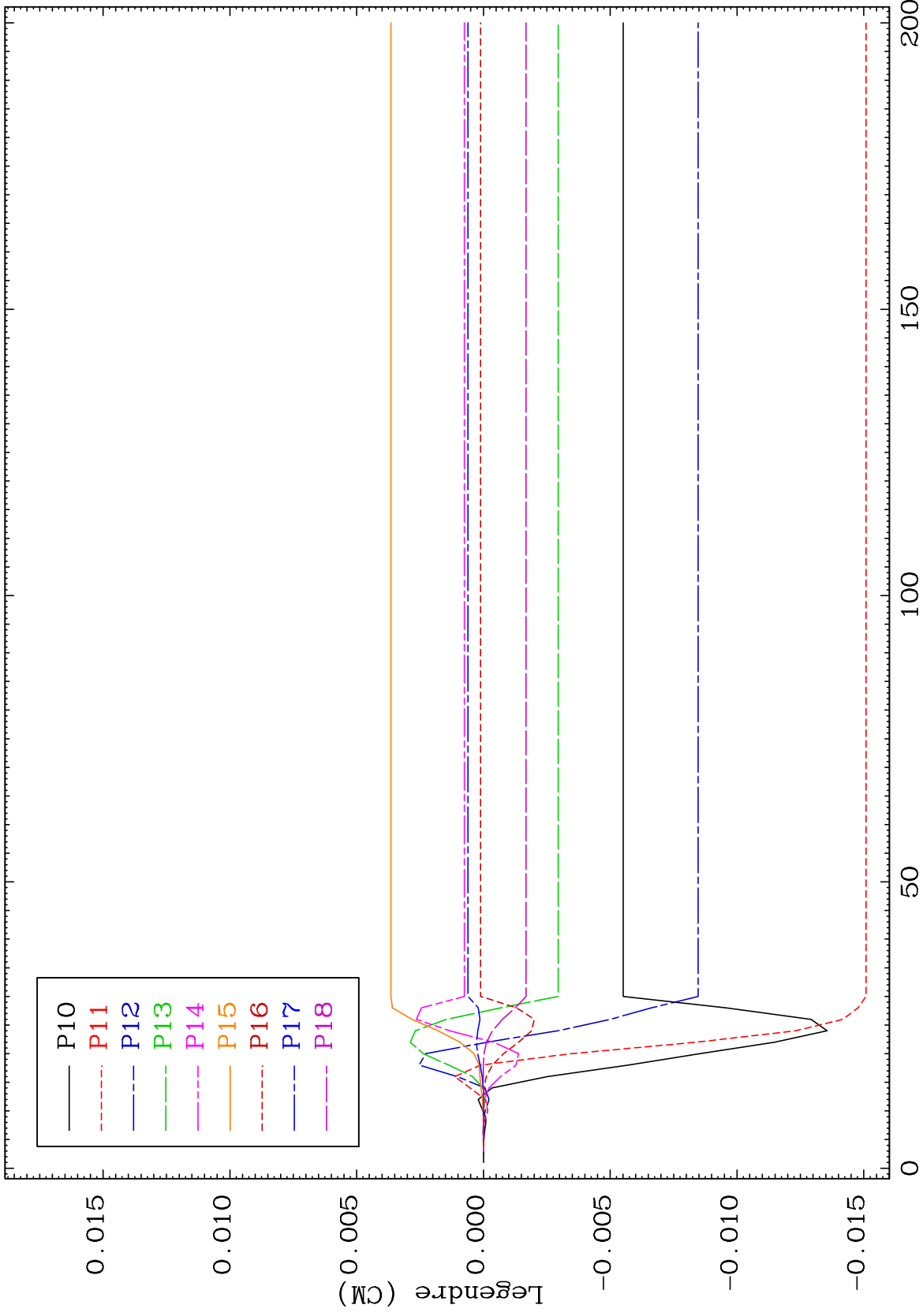
74-W -177

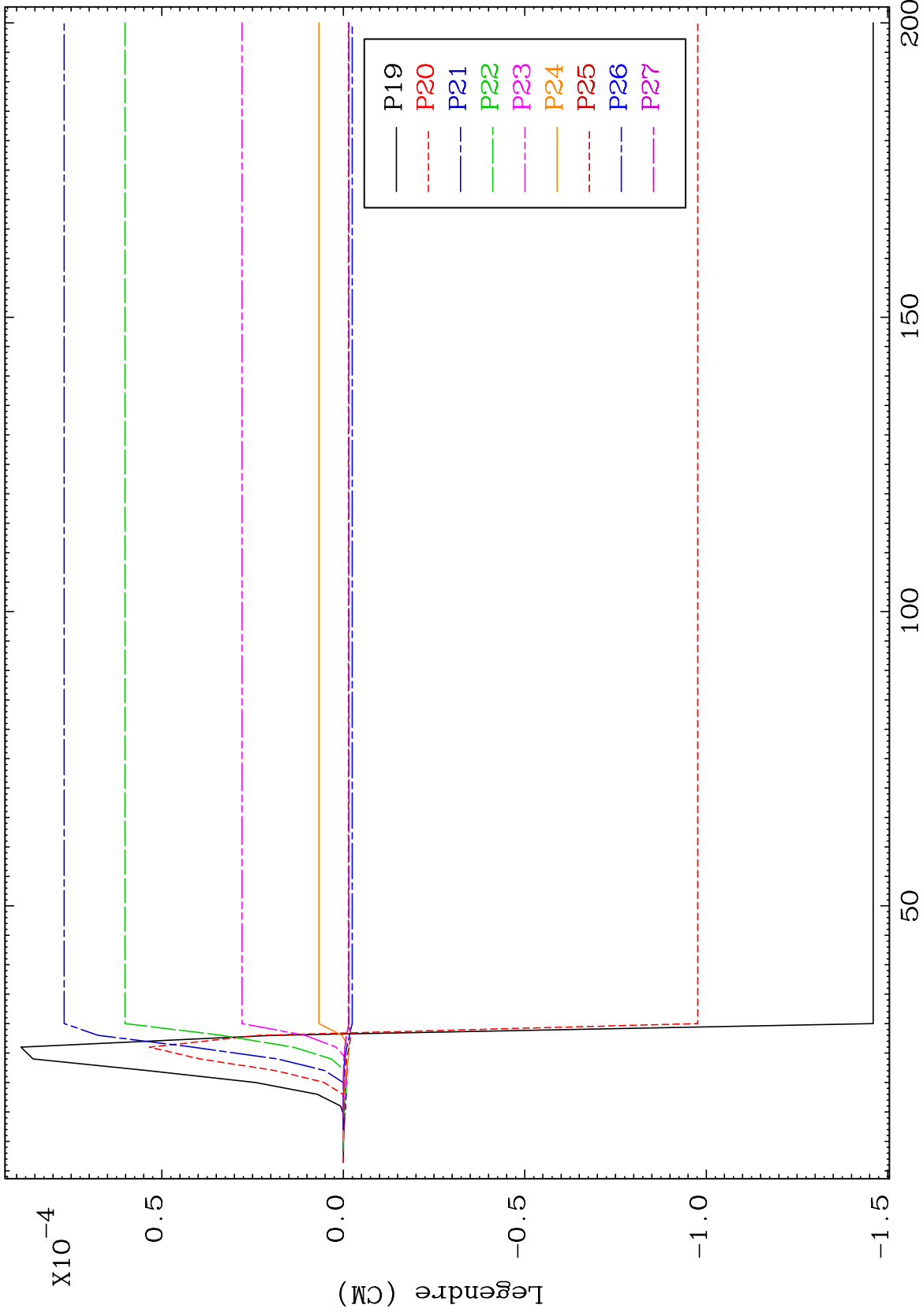


74-W -177

Incident Energy (MeV)

70

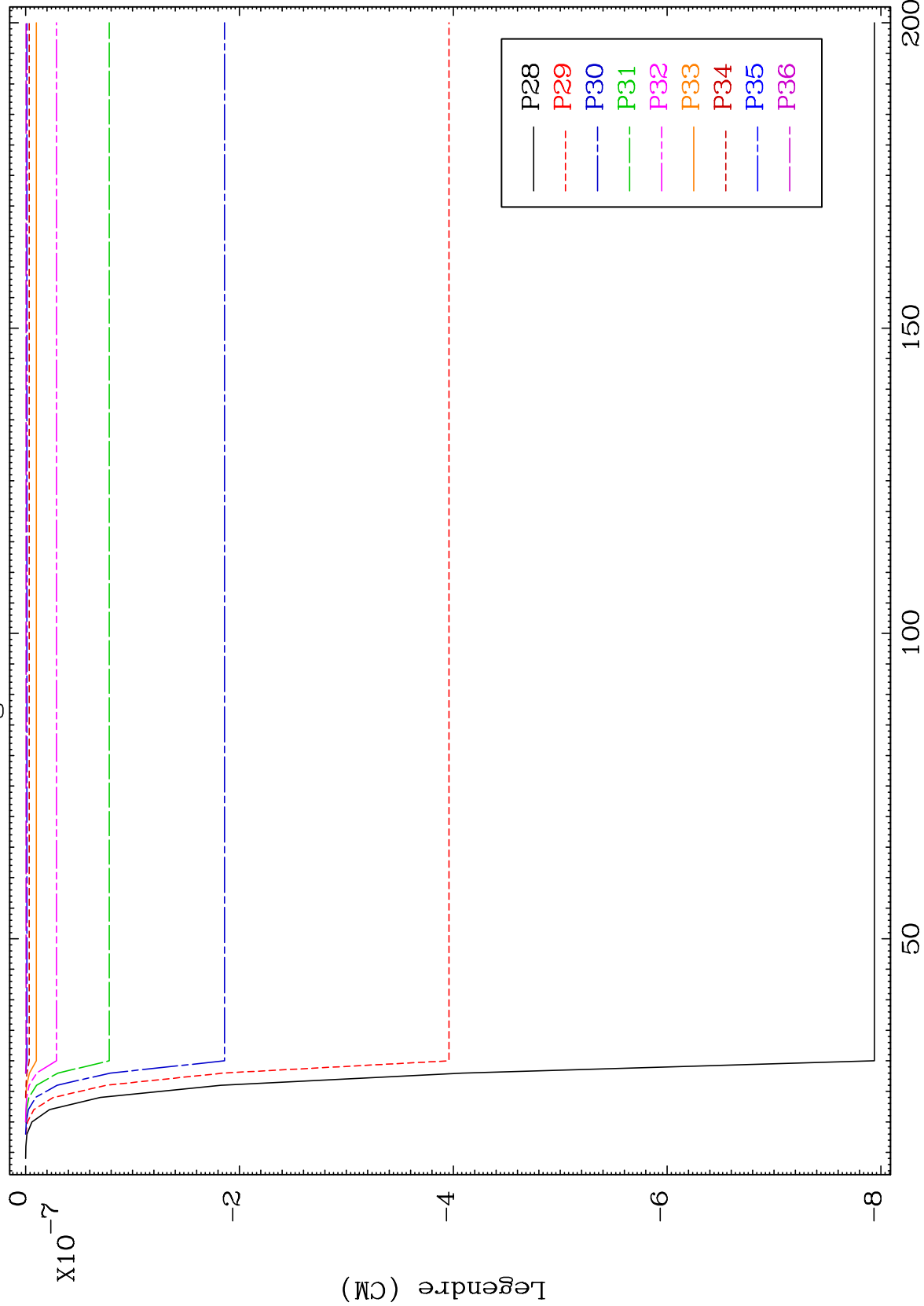




MAT 7416

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

74-W -177



73

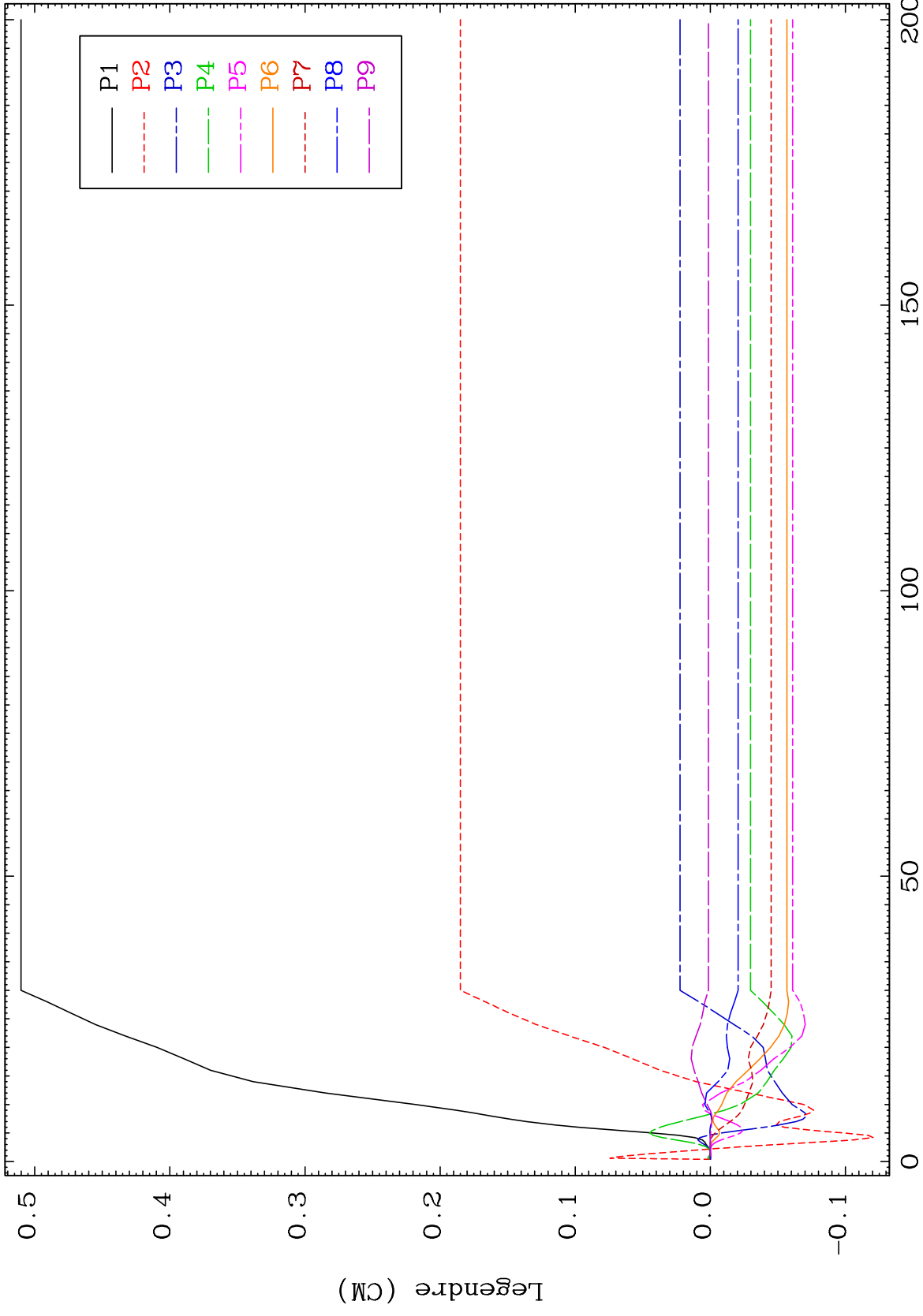
Incident Energy (MeV)

74-W -177

MAT 7416

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

74-W -177



74

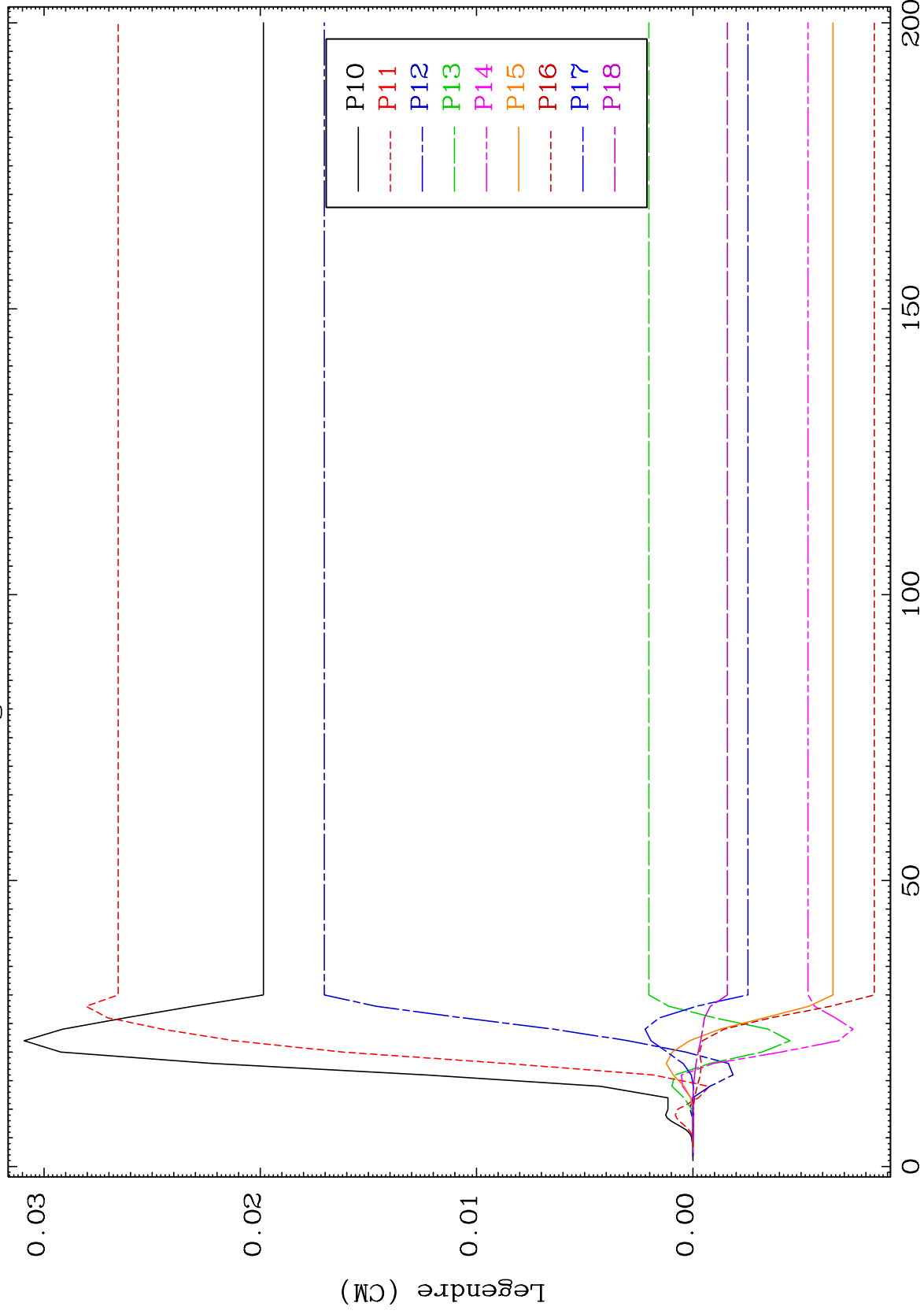
Incident Energy (MeV)

74-W -177

MAT 7416

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

74-W -177



75

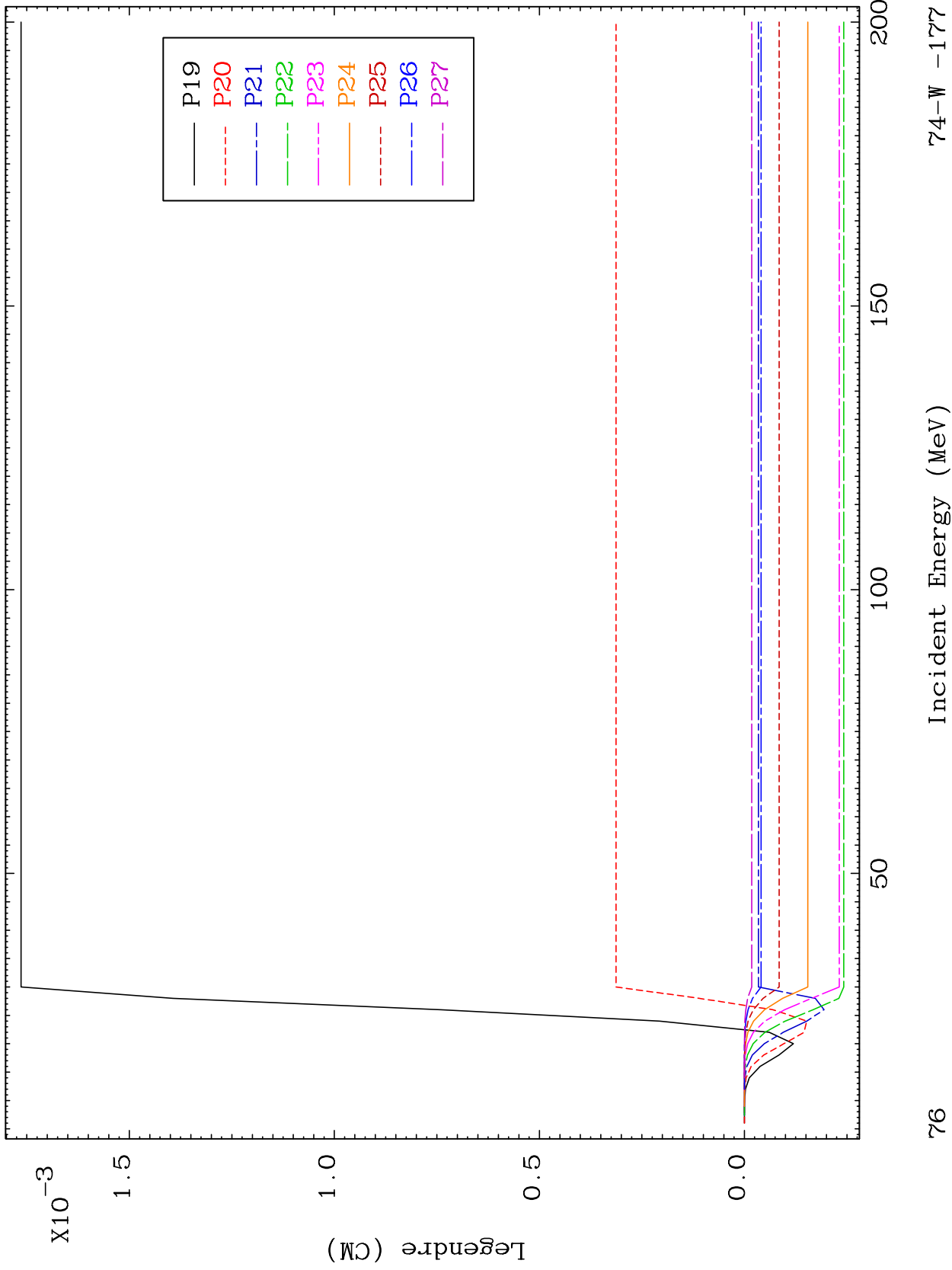
Incident Energy (MeV)

74-W -177

MAT 7416

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

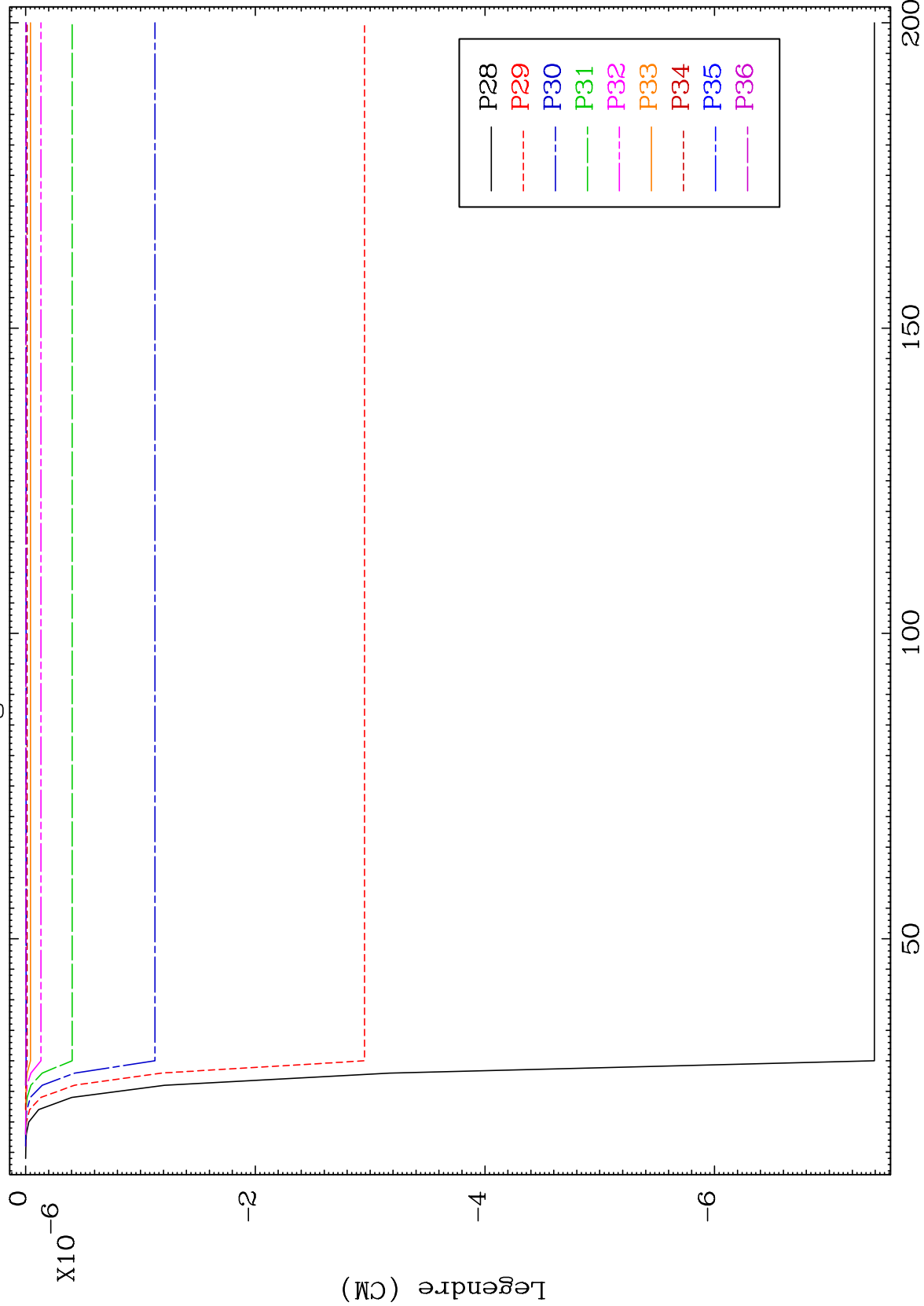
74-W -177



76

Incident Energy (MeV)

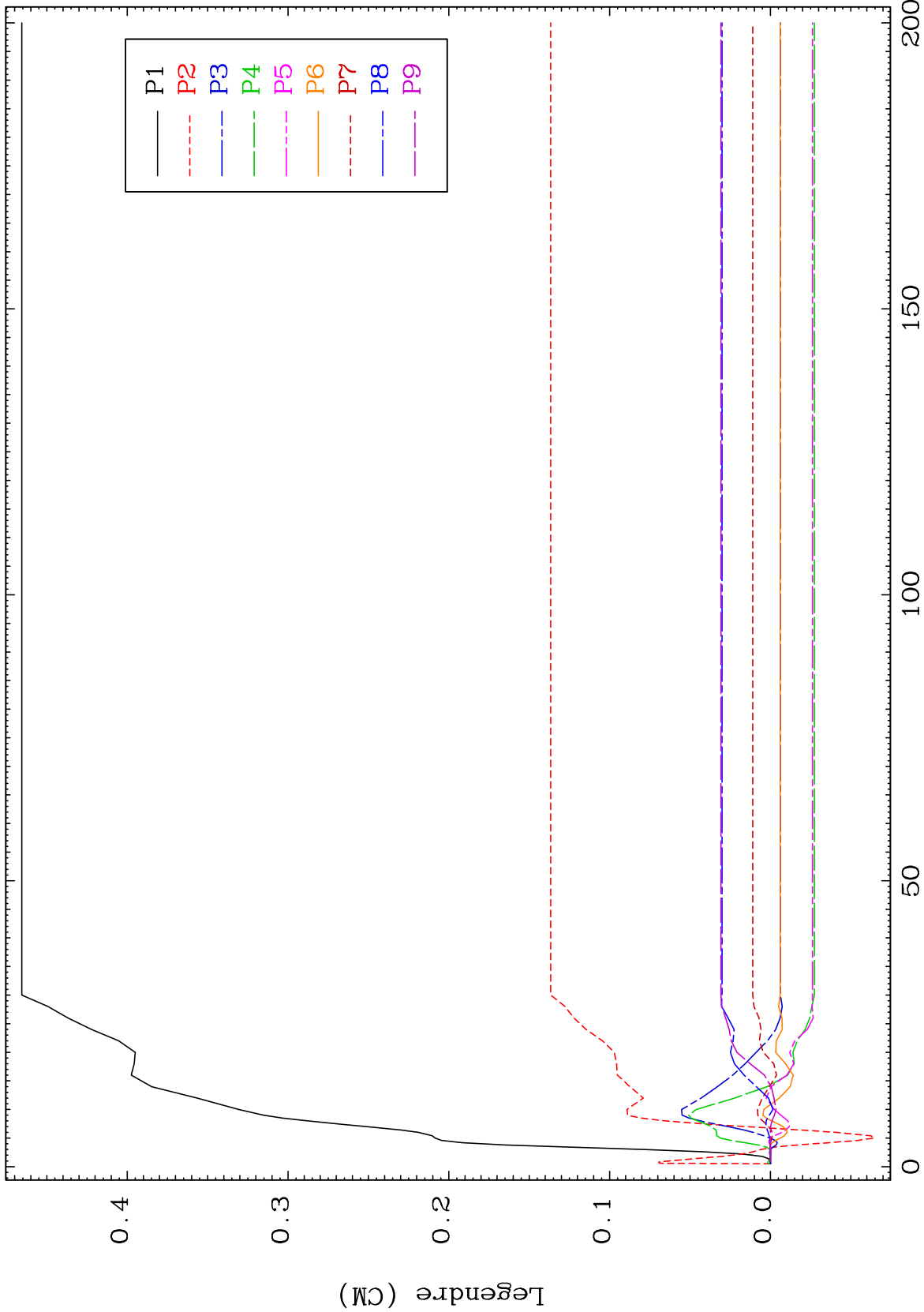
74-W -177



MAT 7416

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

74-W -177



78

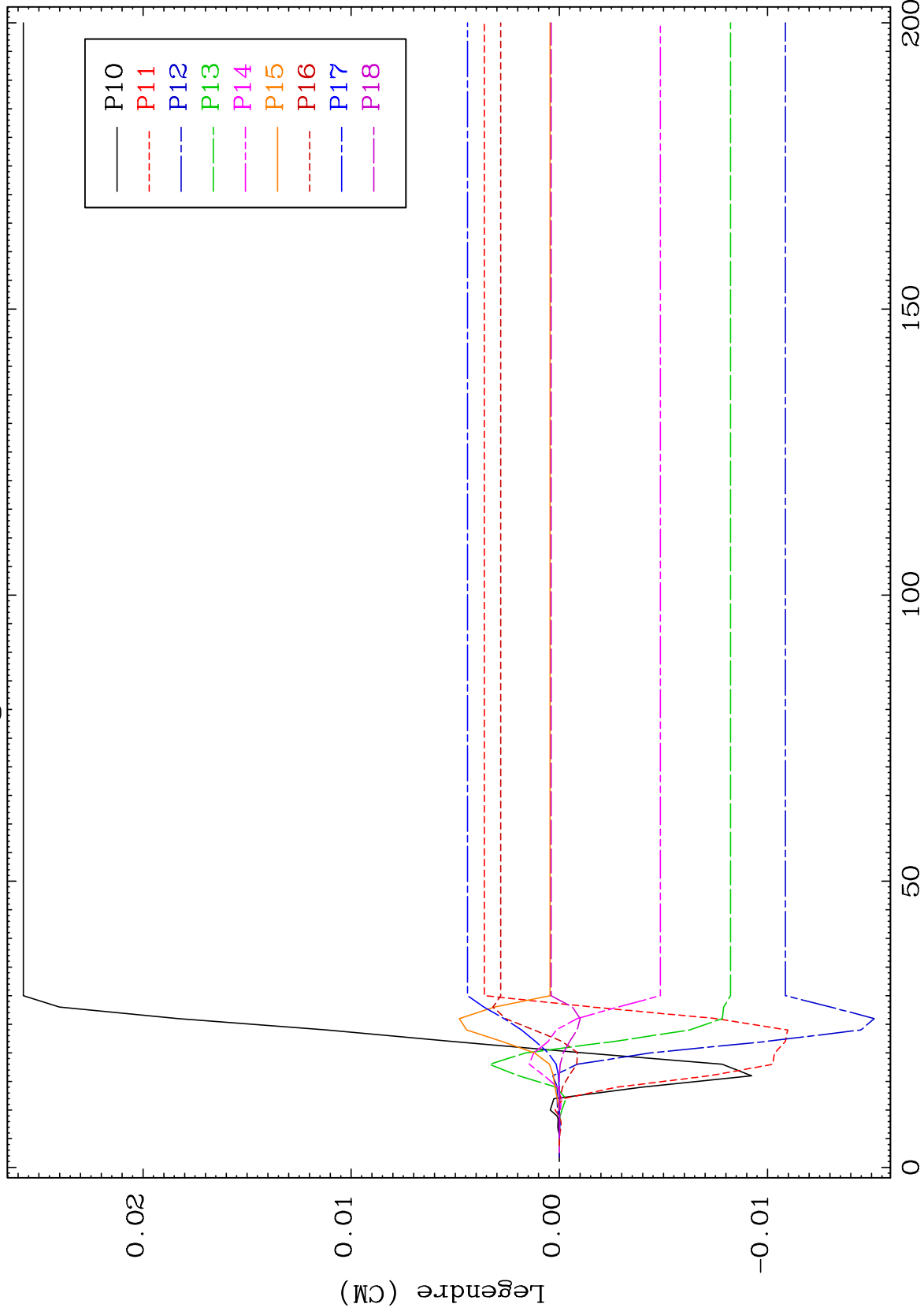
Incident Energy (MeV)

74-W -177

MAT 7416

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

74-W -177



79

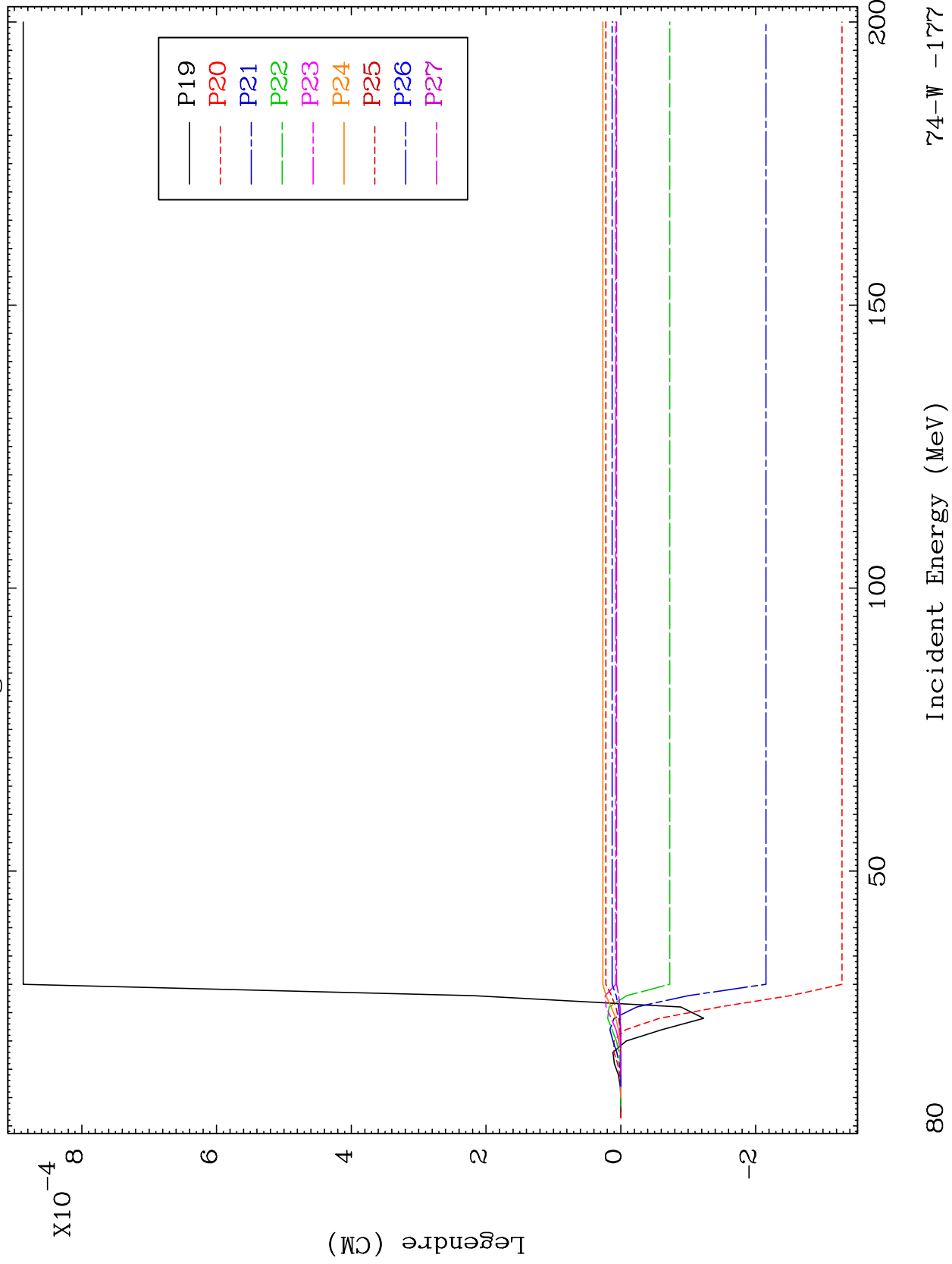
Incident Energy (MeV)

74-W -177

MAT 7416

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

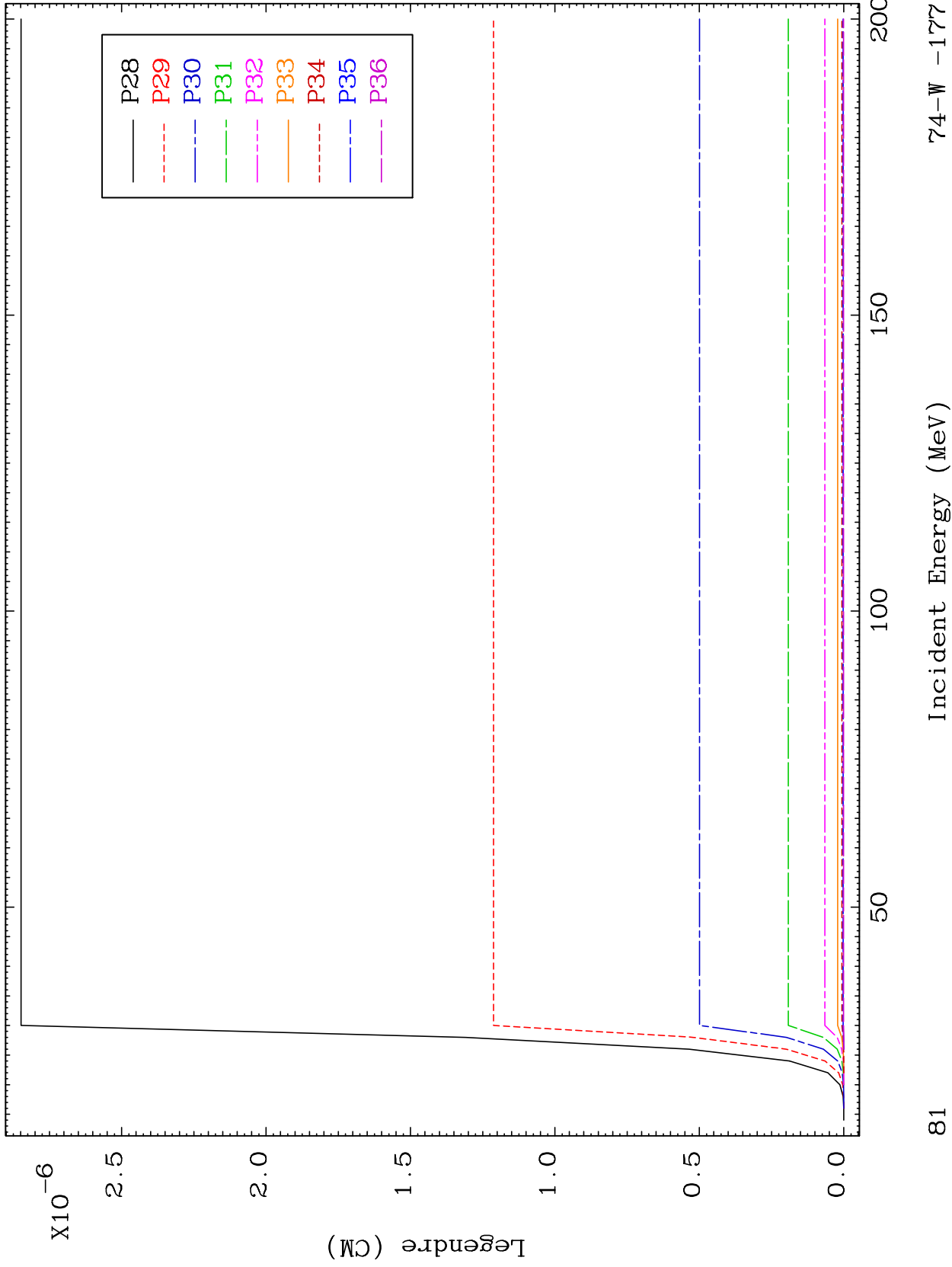
74-W -177

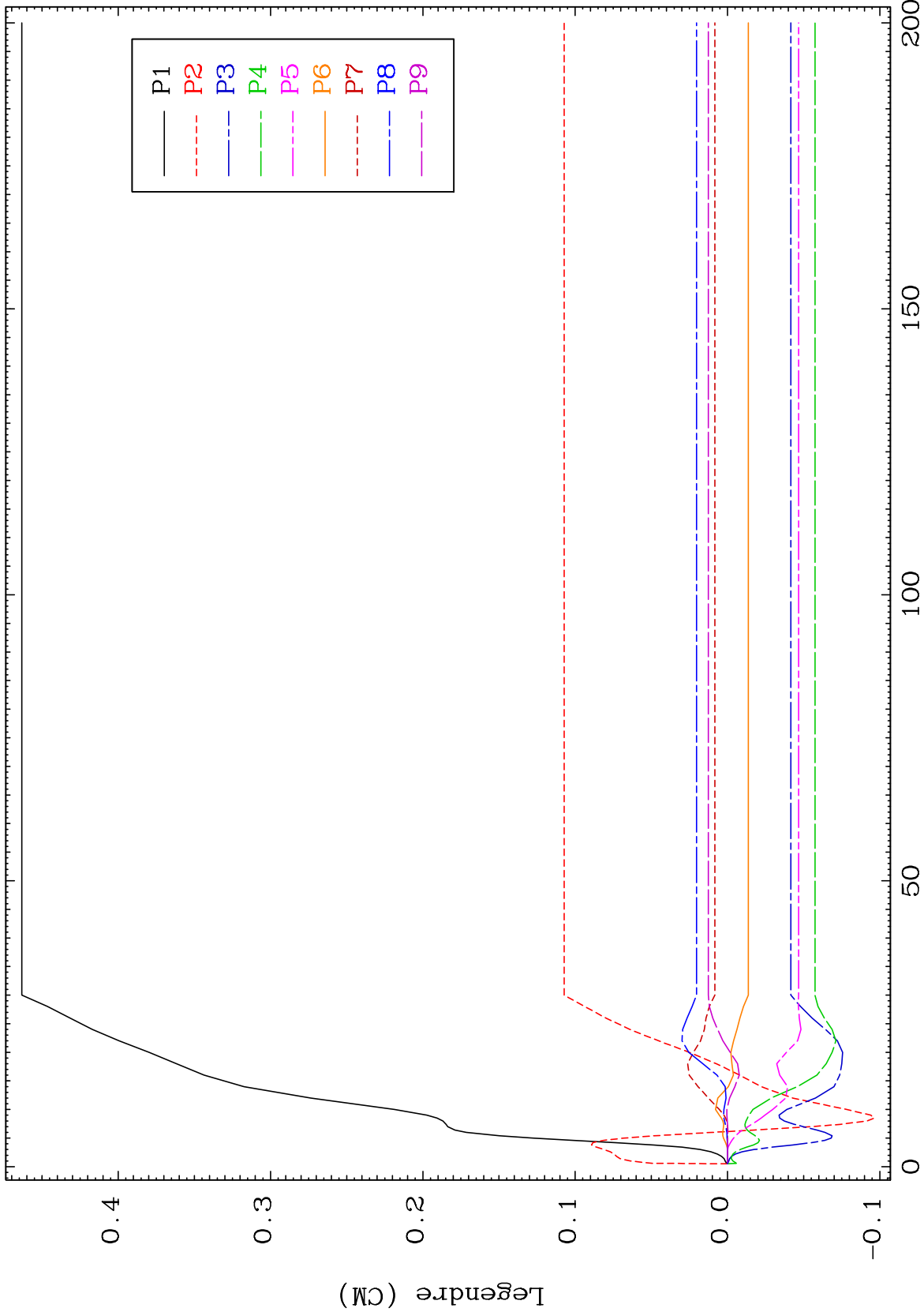


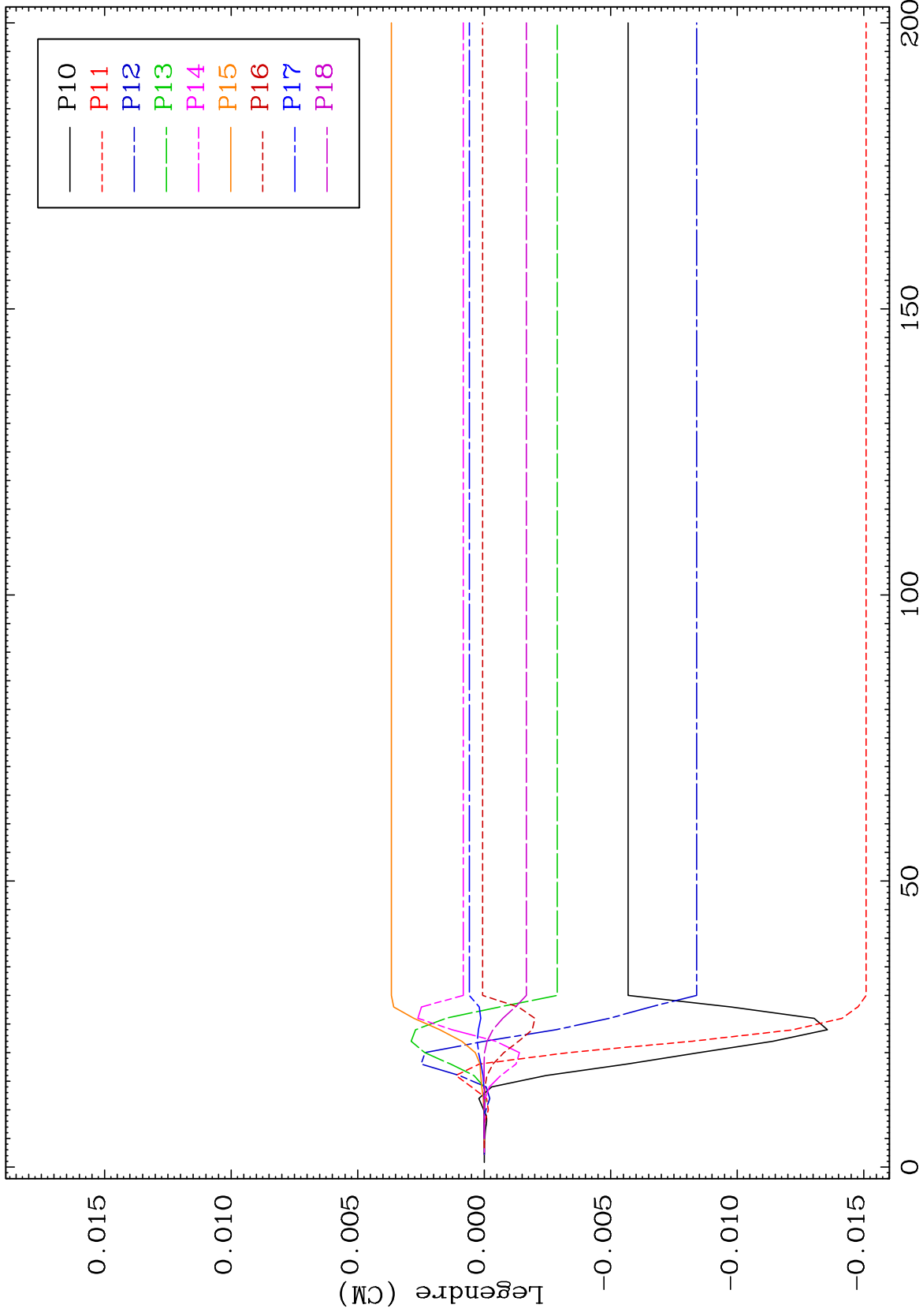
80

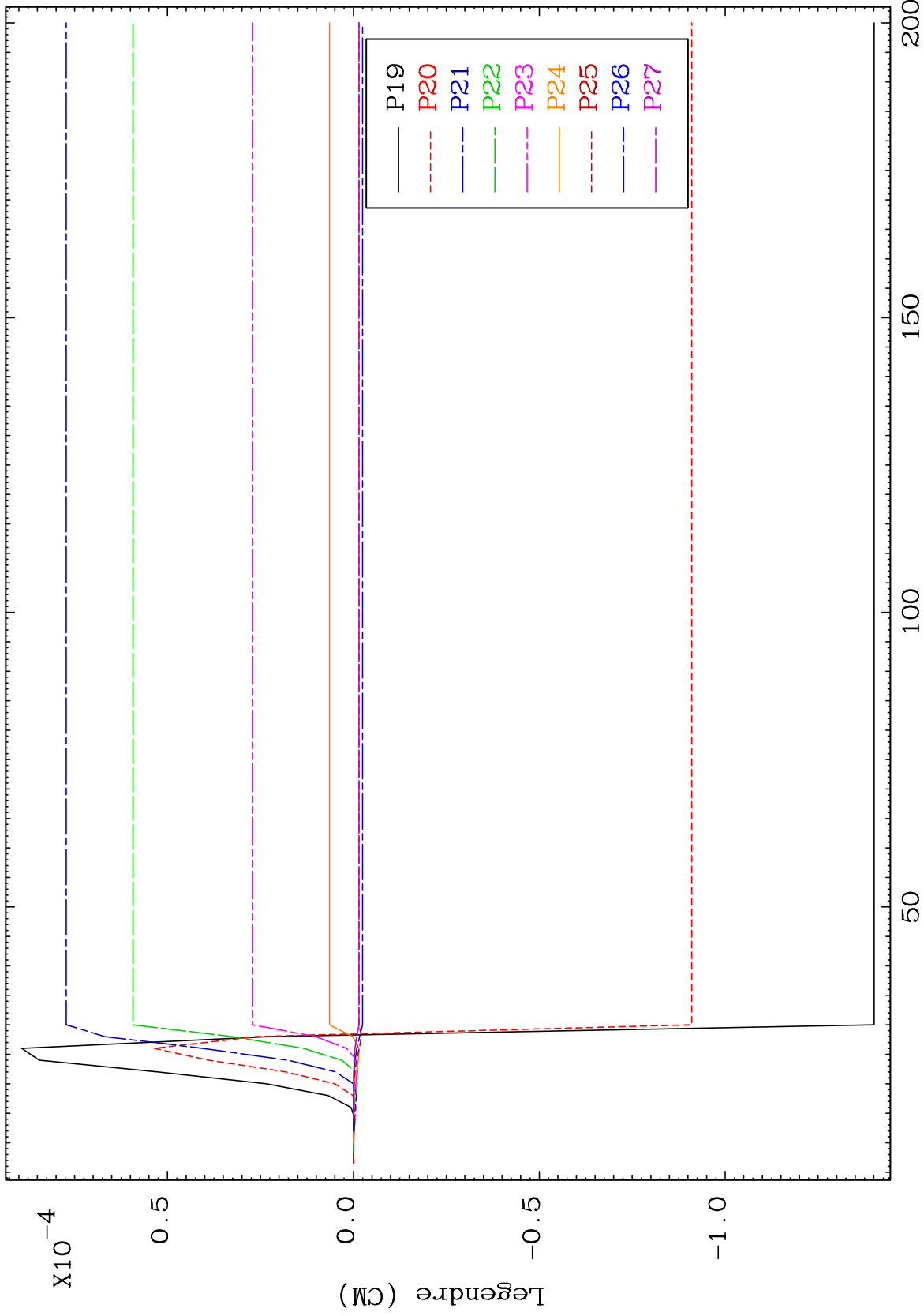
Incident Energy (MeV)

74-W -177





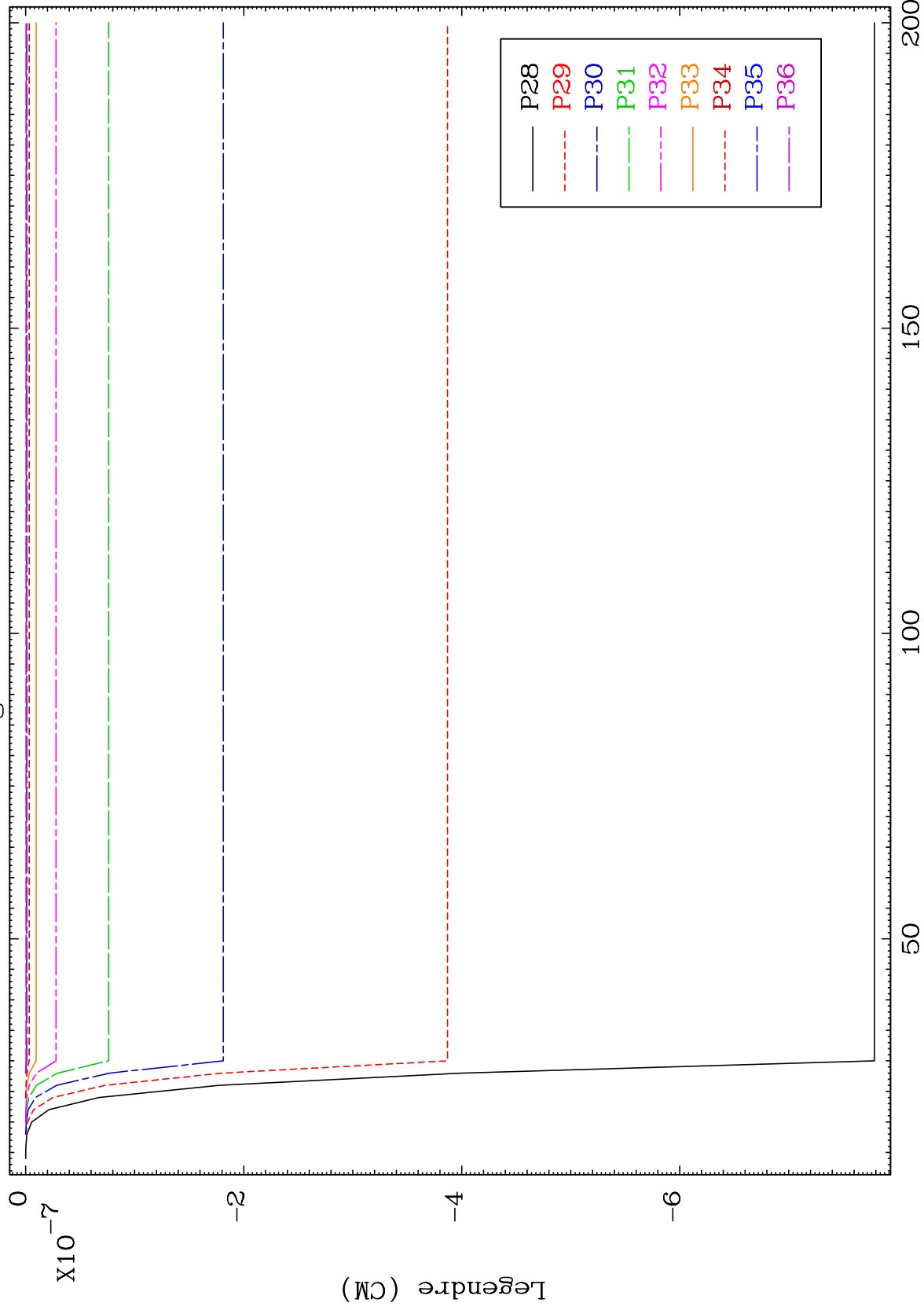




MAT 7416

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

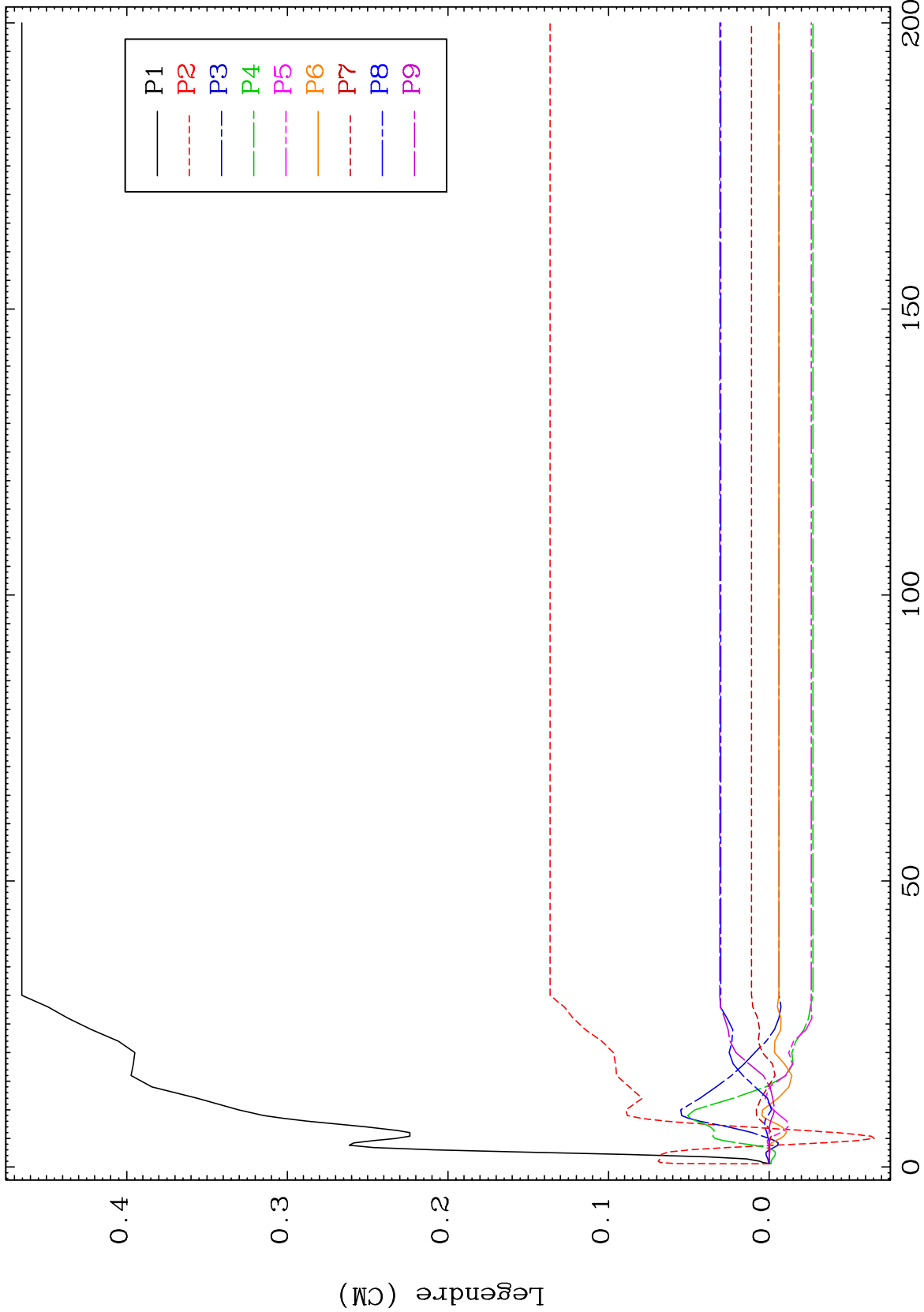
74-W -177



85

Incident Energy (MeV)

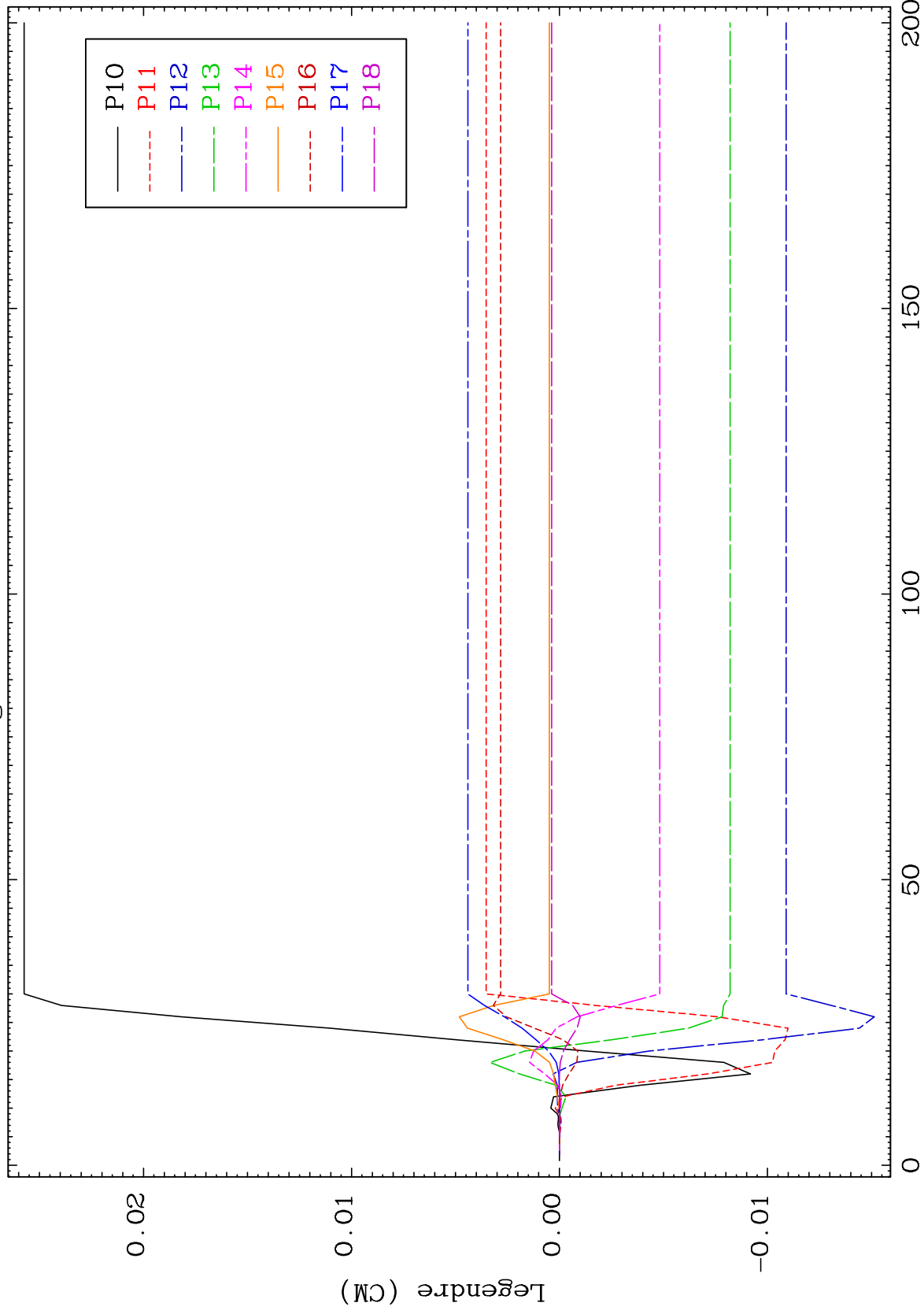
74-W -177



MAT 7416

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

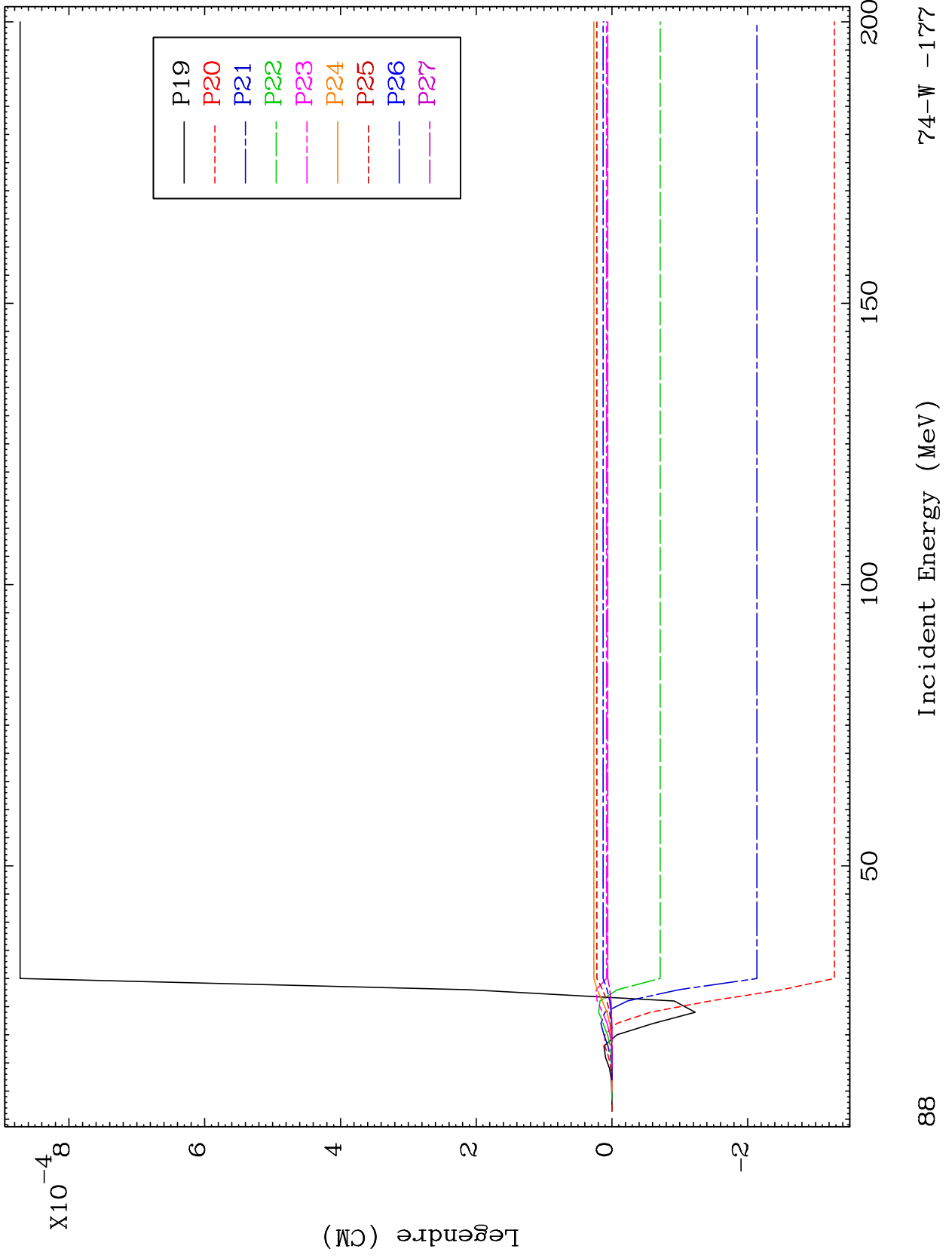
74-W -177

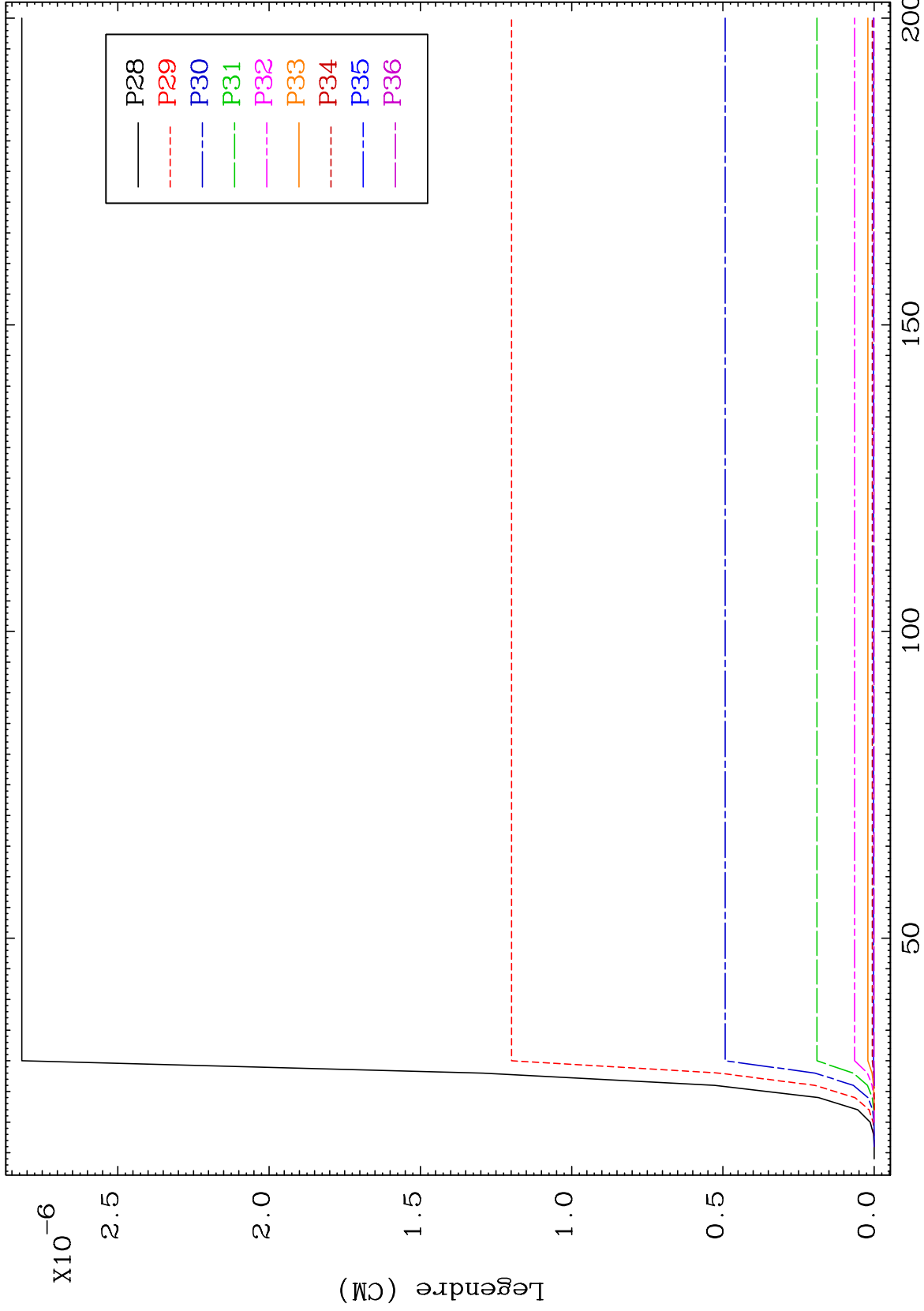


87

Incident Energy (MeV)

74-W -177

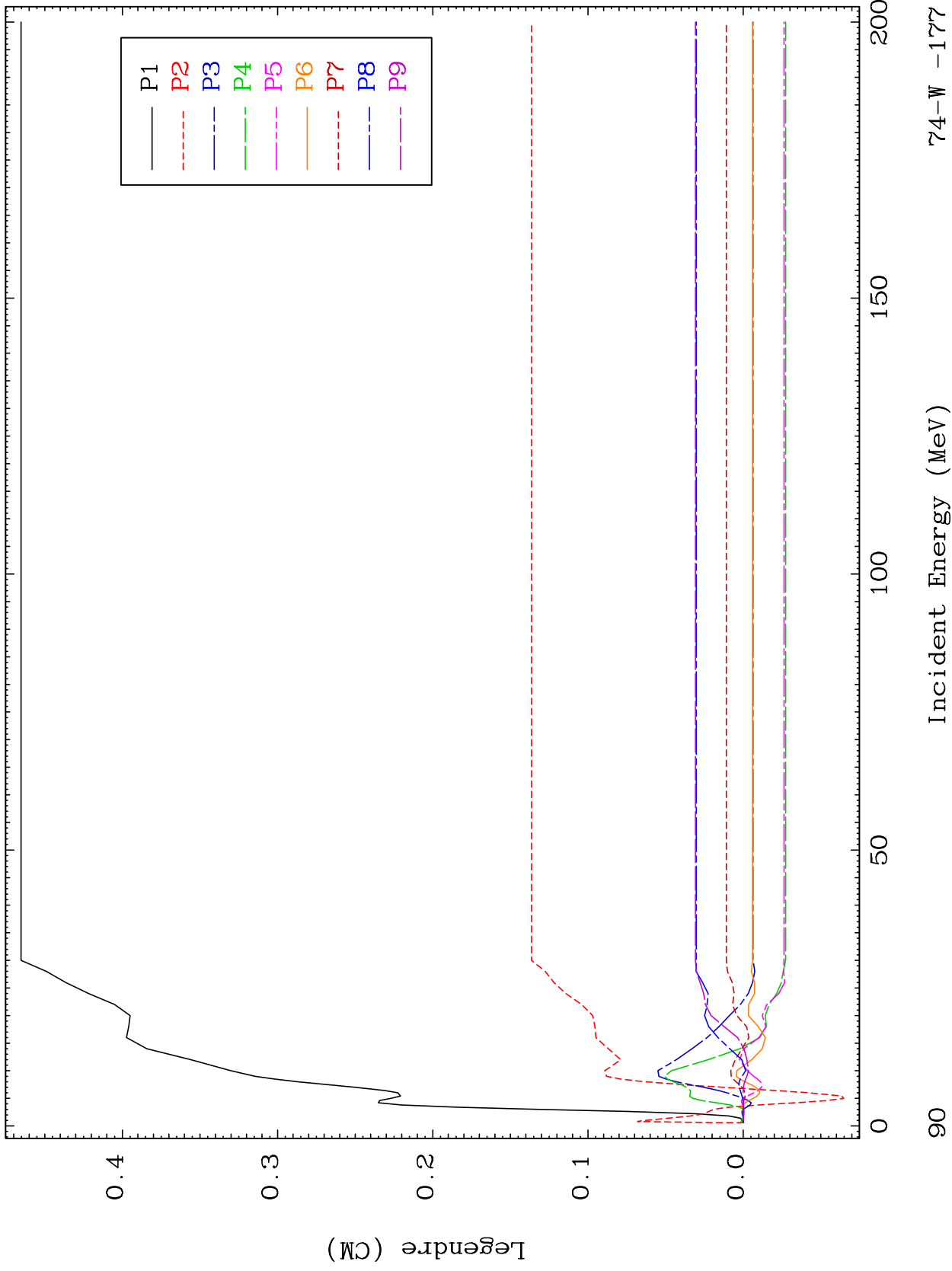




MAT 7416

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

74-W -177

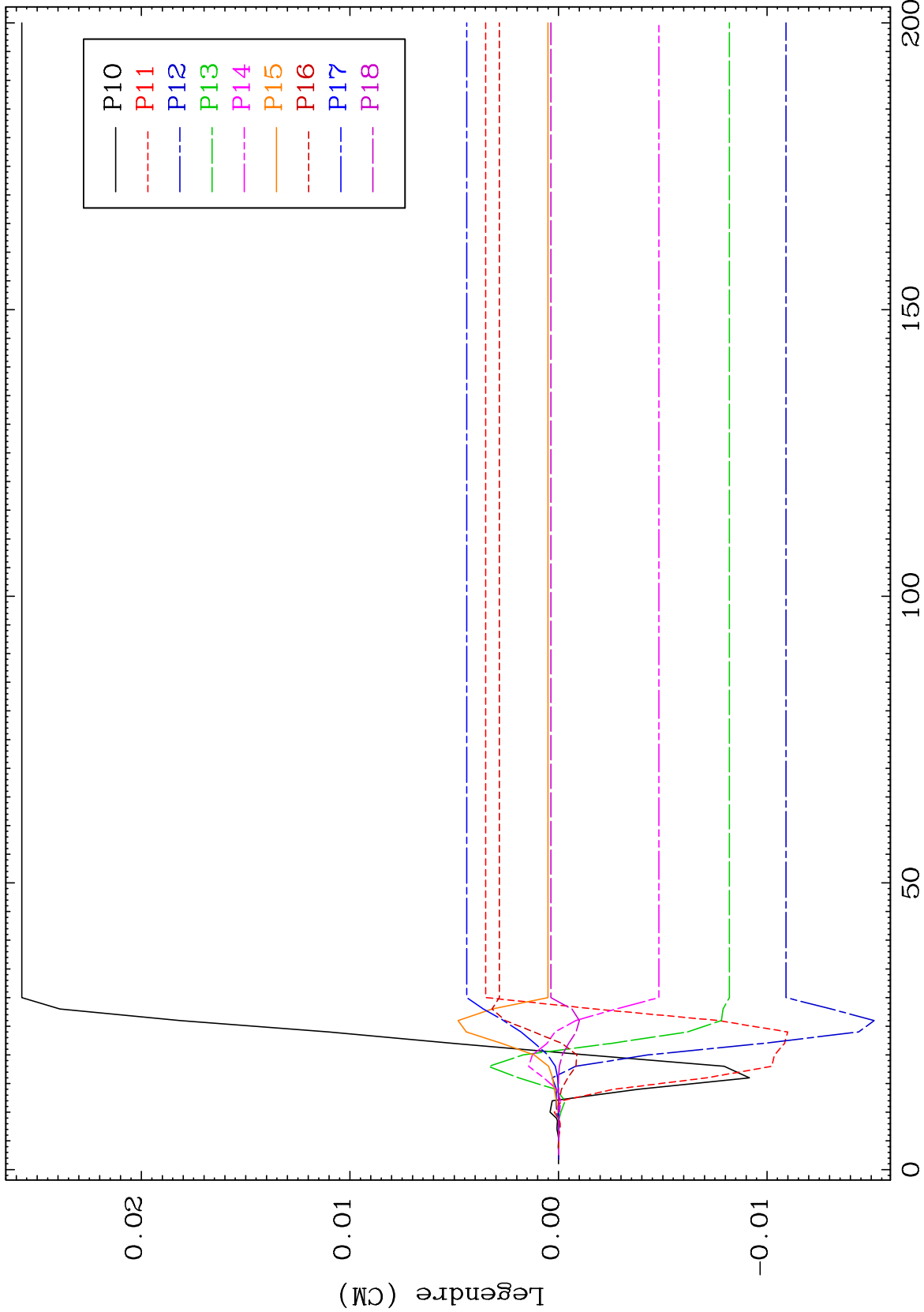


74-W -177

MAT 7416

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

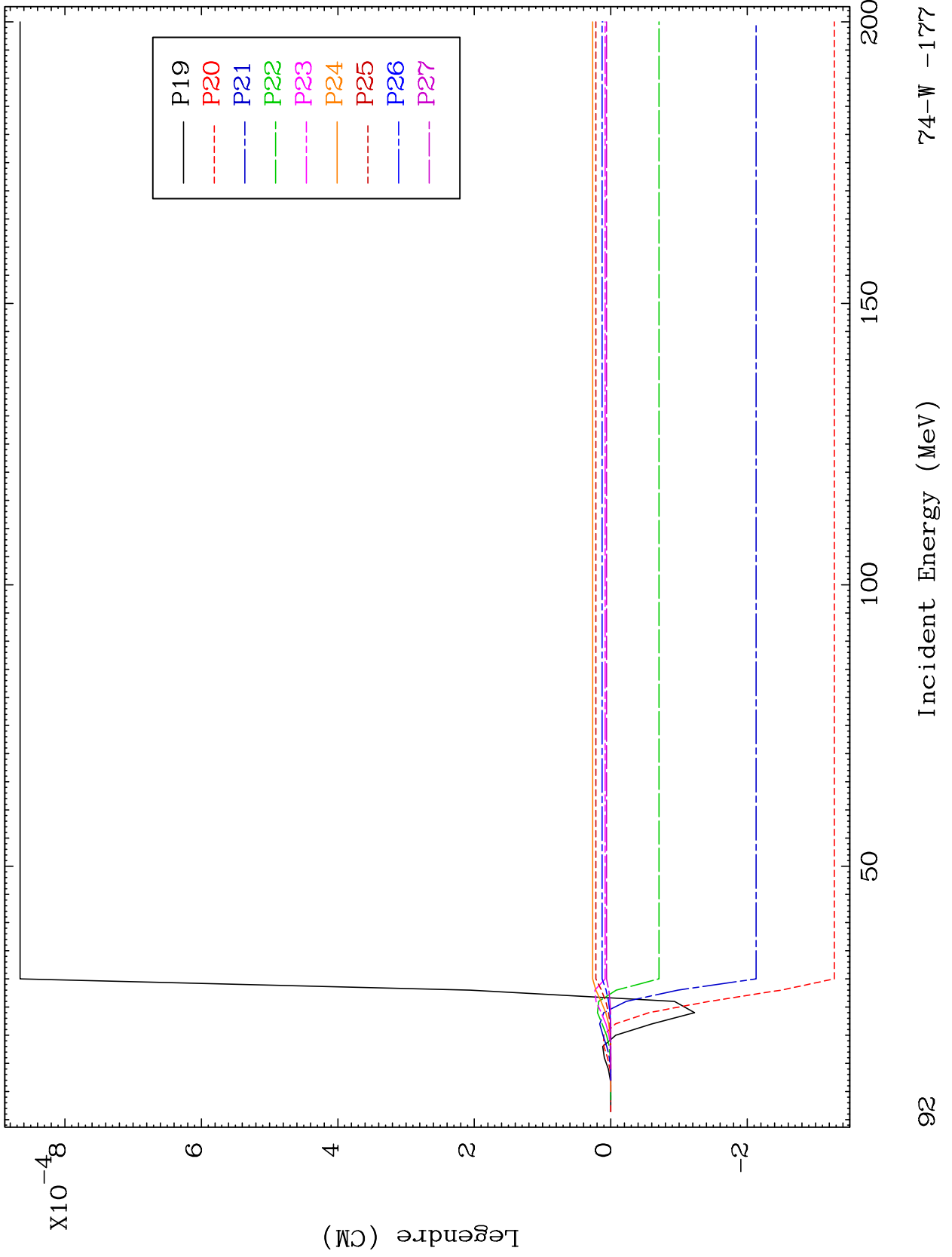
74-W -177

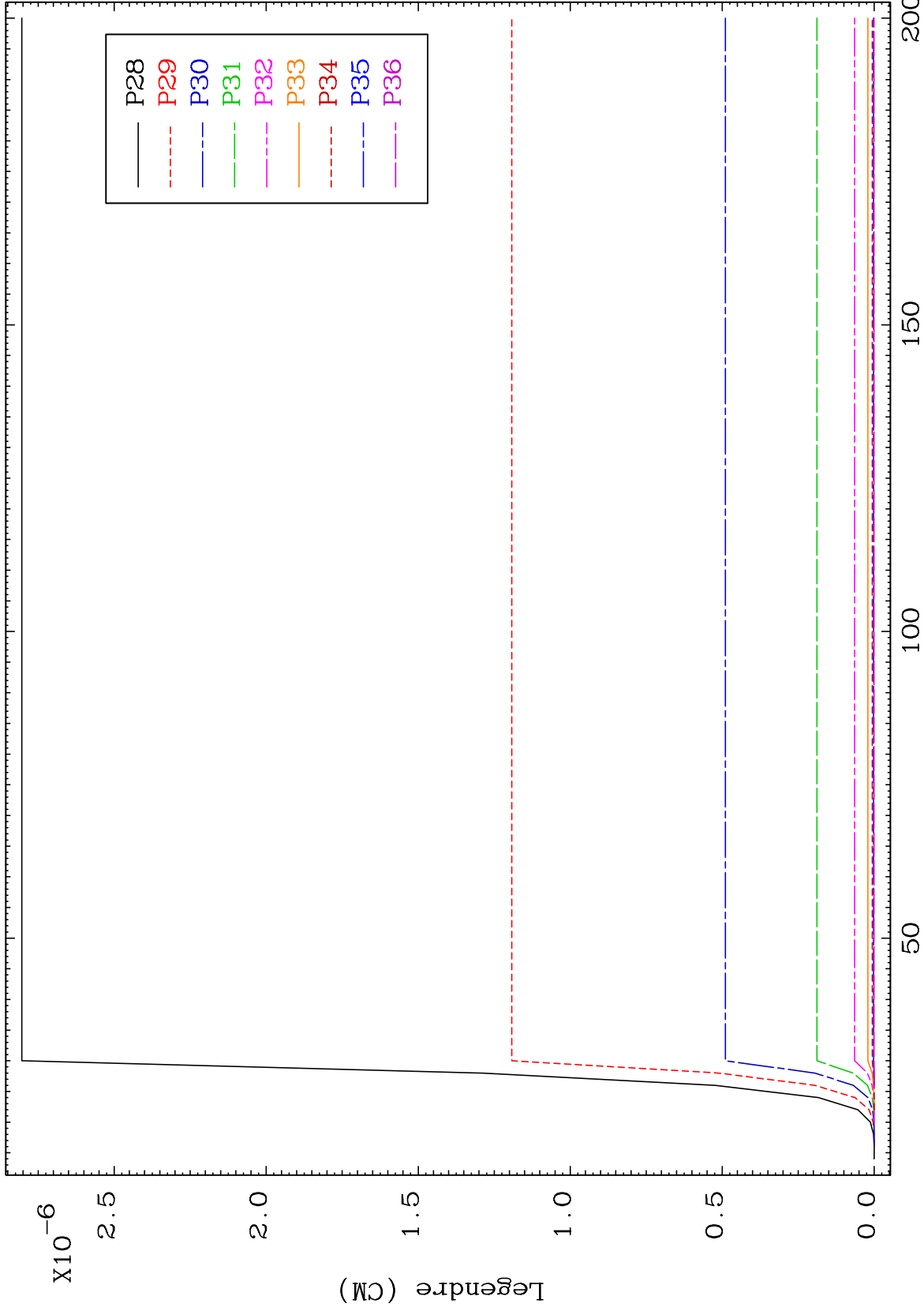


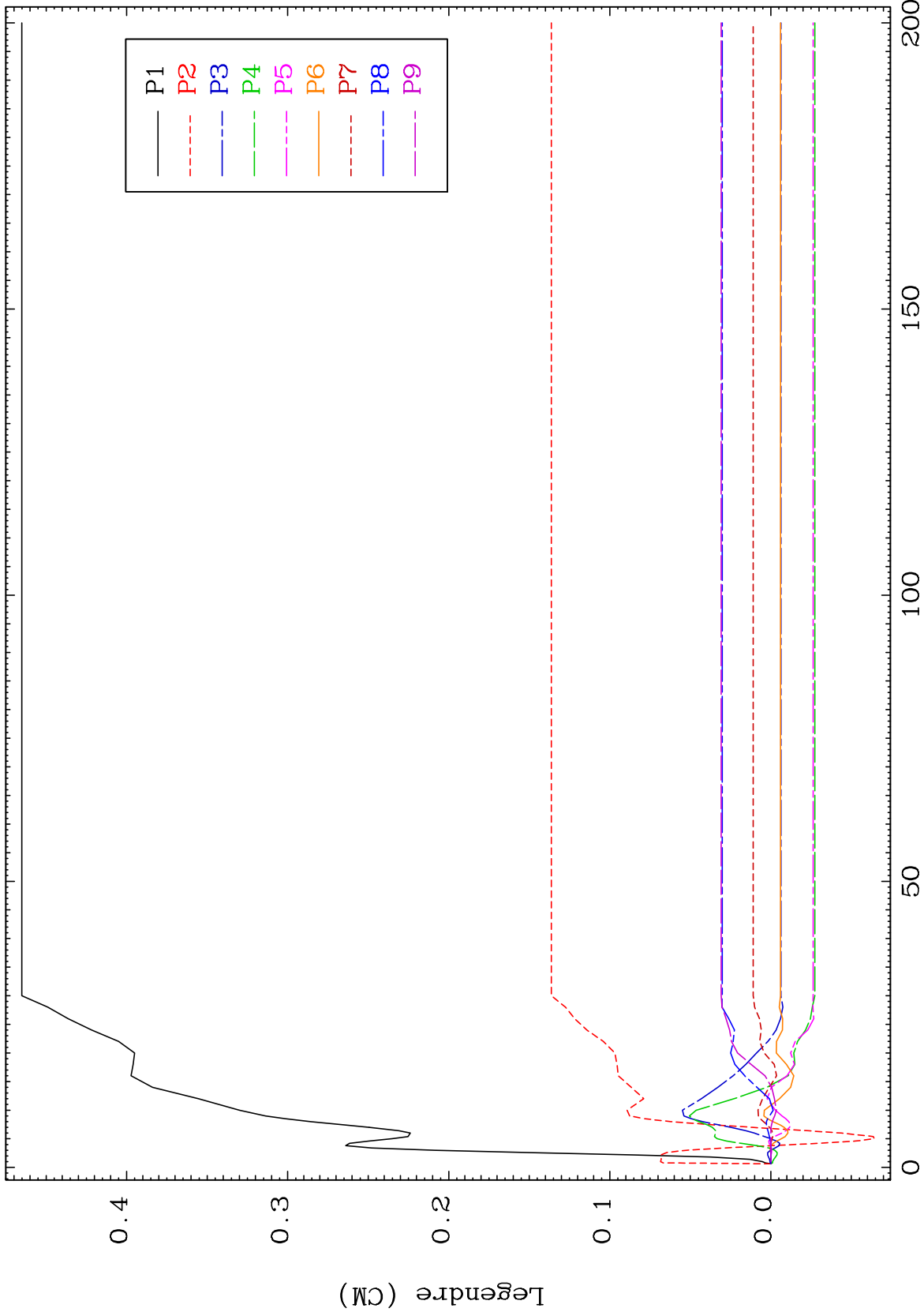
91

Incident Energy (MeV)

74-W -177



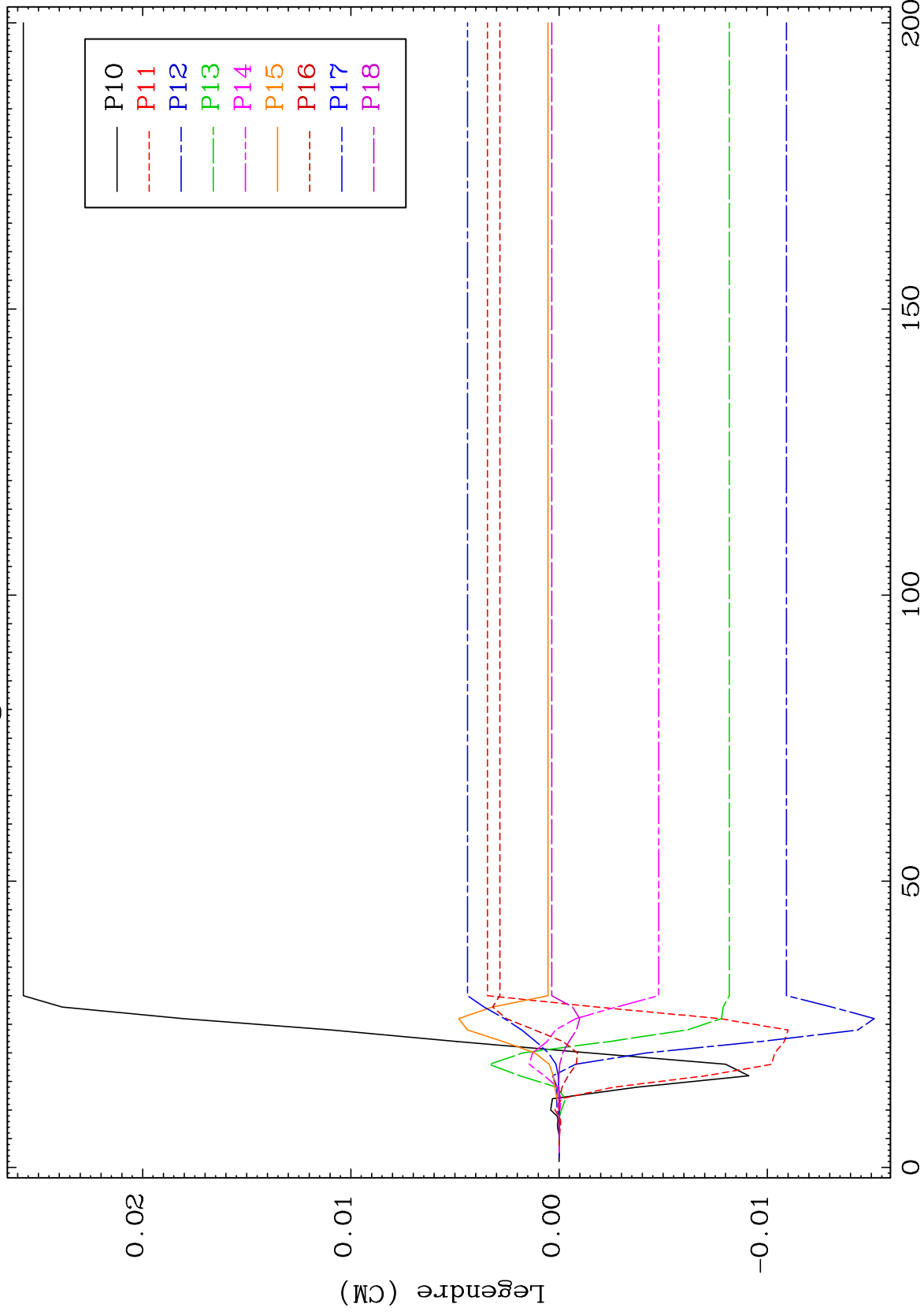




MAT 7416

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

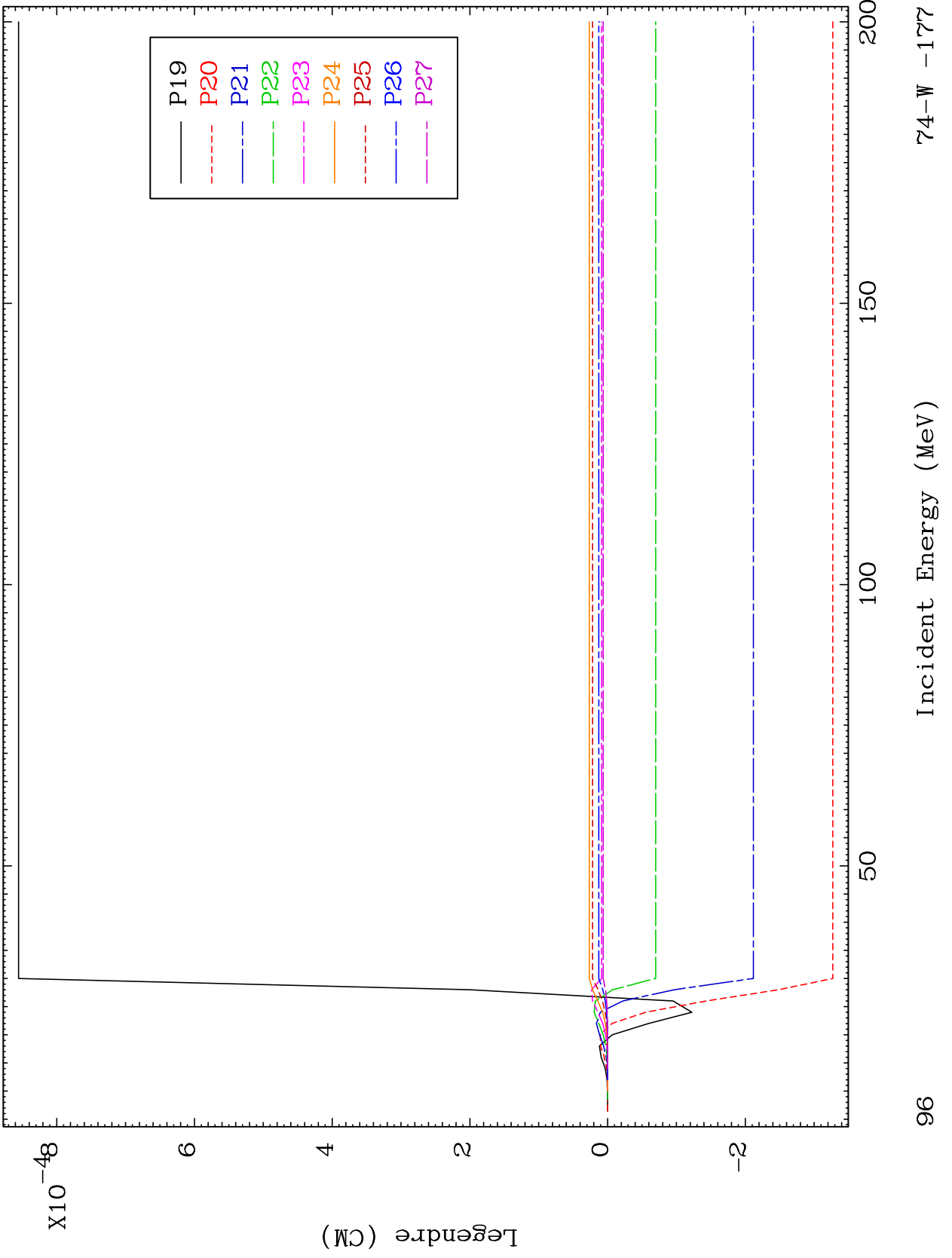
74-W -177

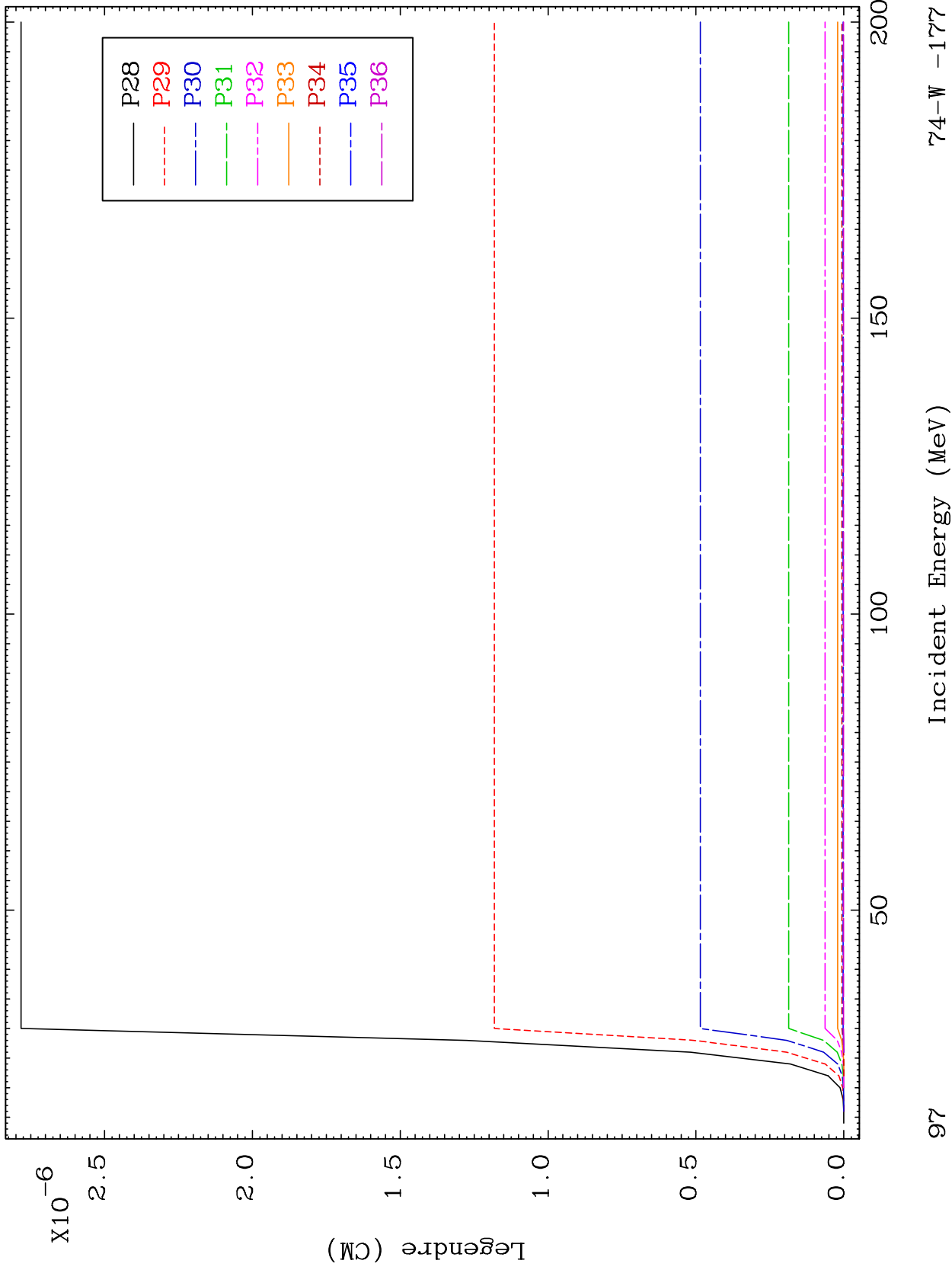


95

Incident Energy (MeV)

74-W -177

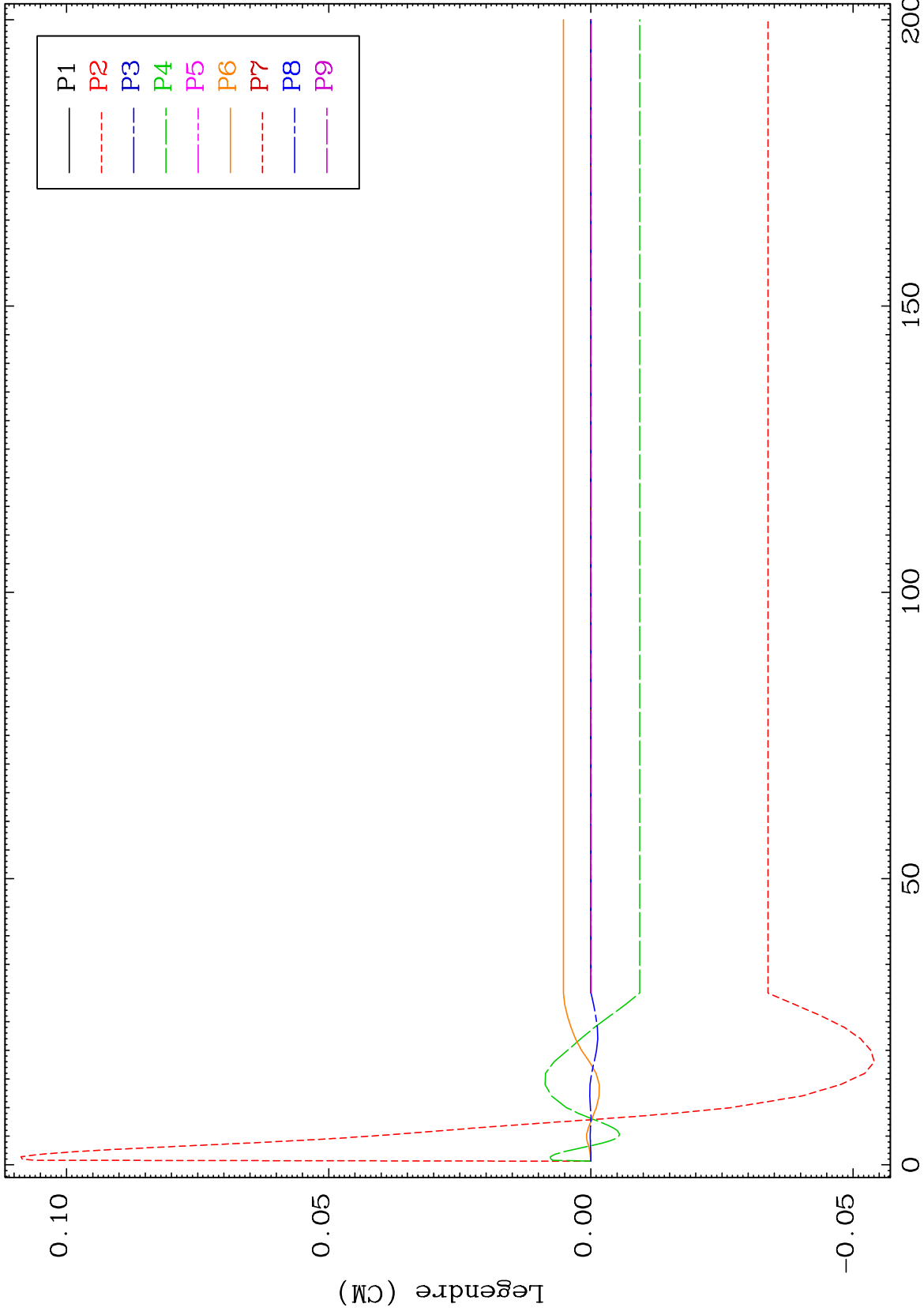




MAT 7416

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

74-W -177



98

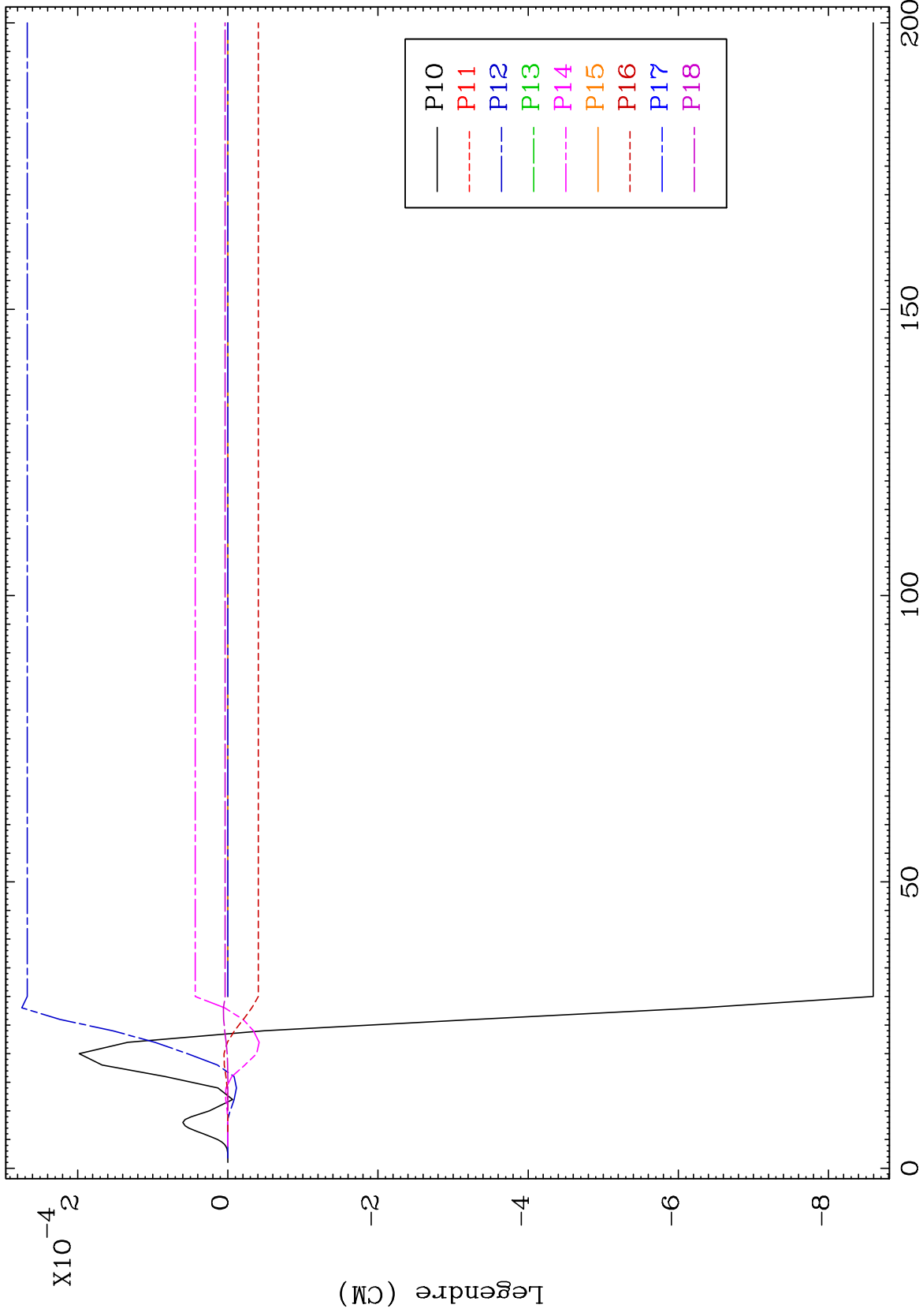
Incident Energy (MeV)

74-W -177

MAT 7416

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

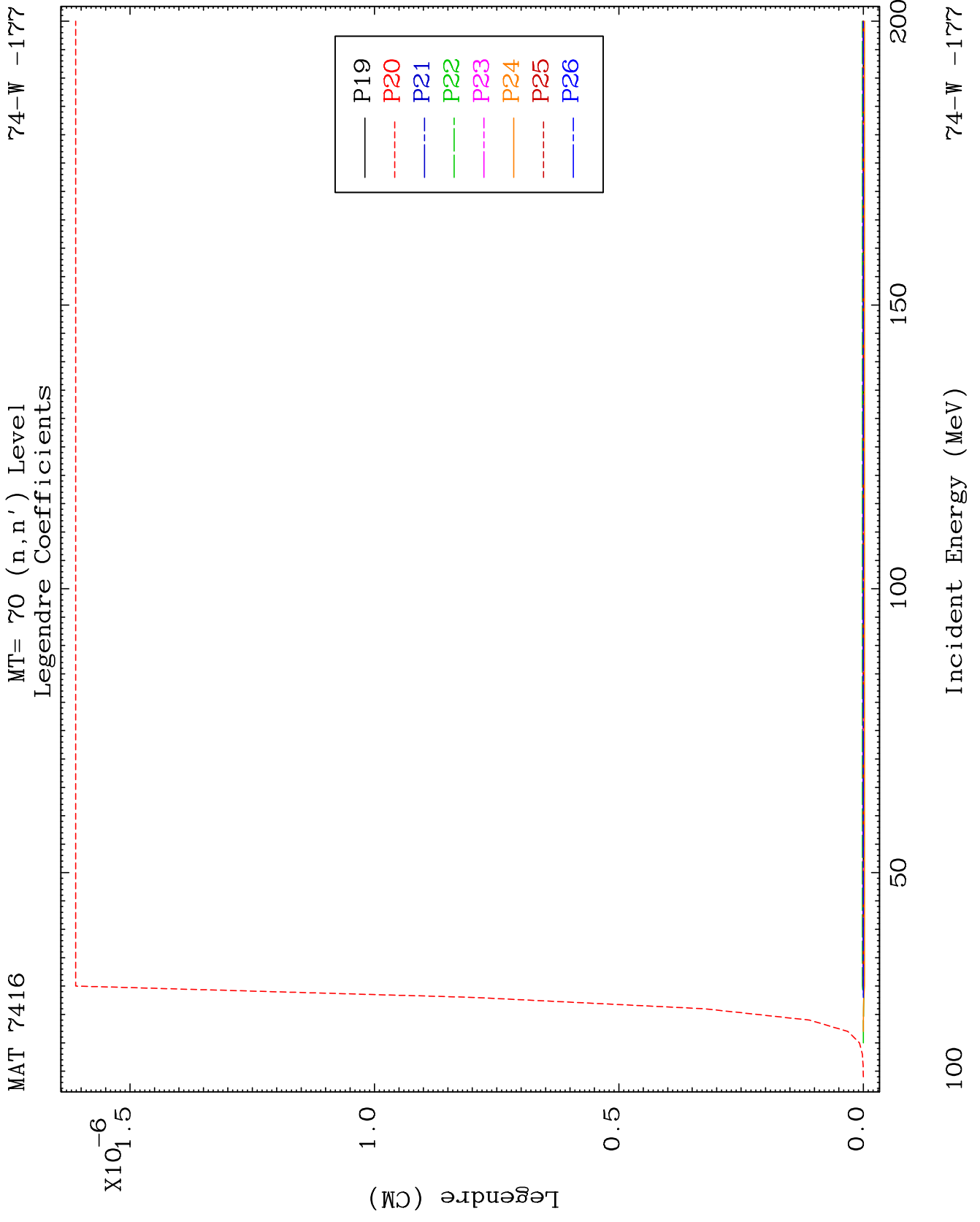
74-W -177



99

Incident Energy (MeV)

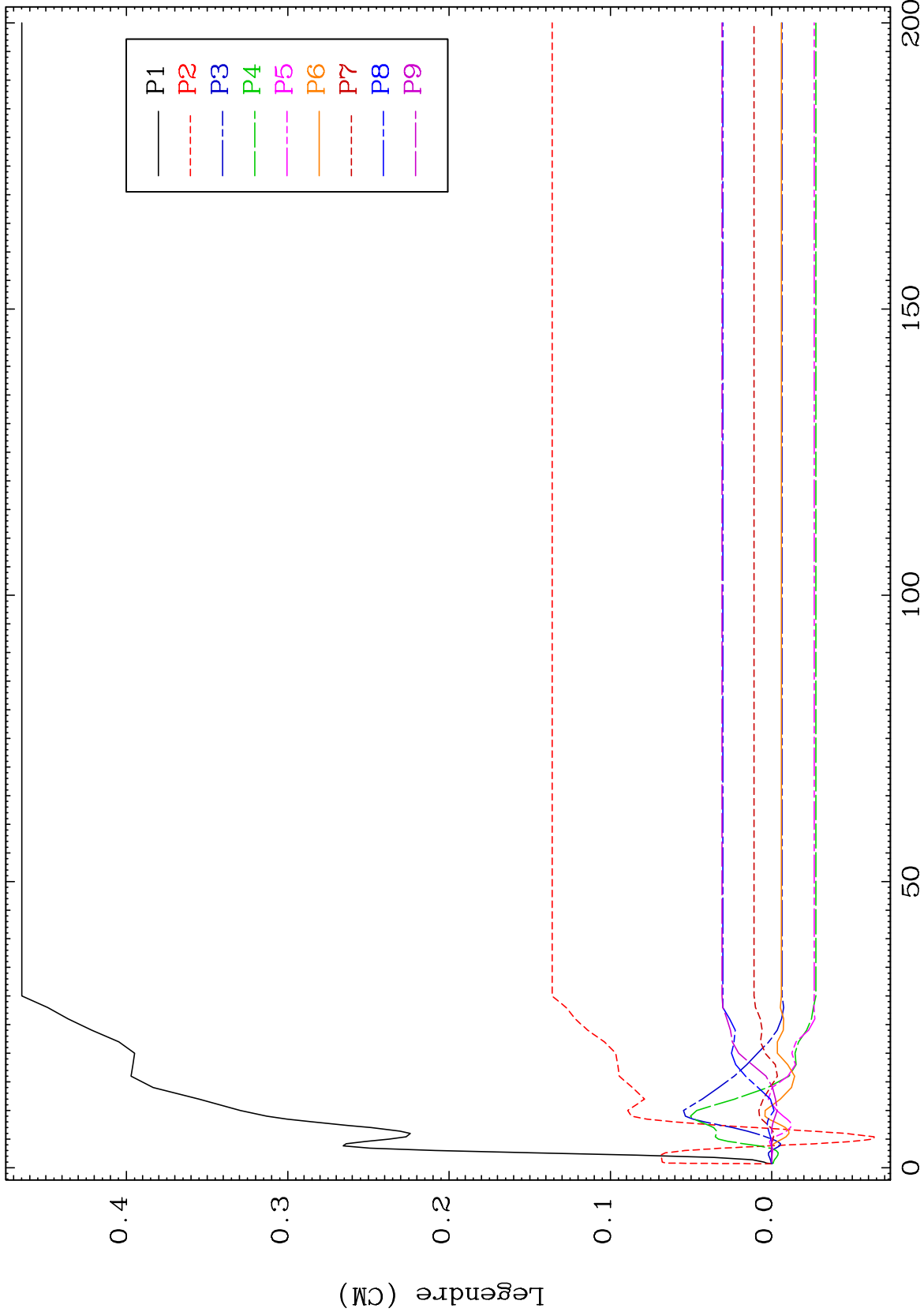
74-W -177



MAT 7416

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

74-W -177



74-W -177

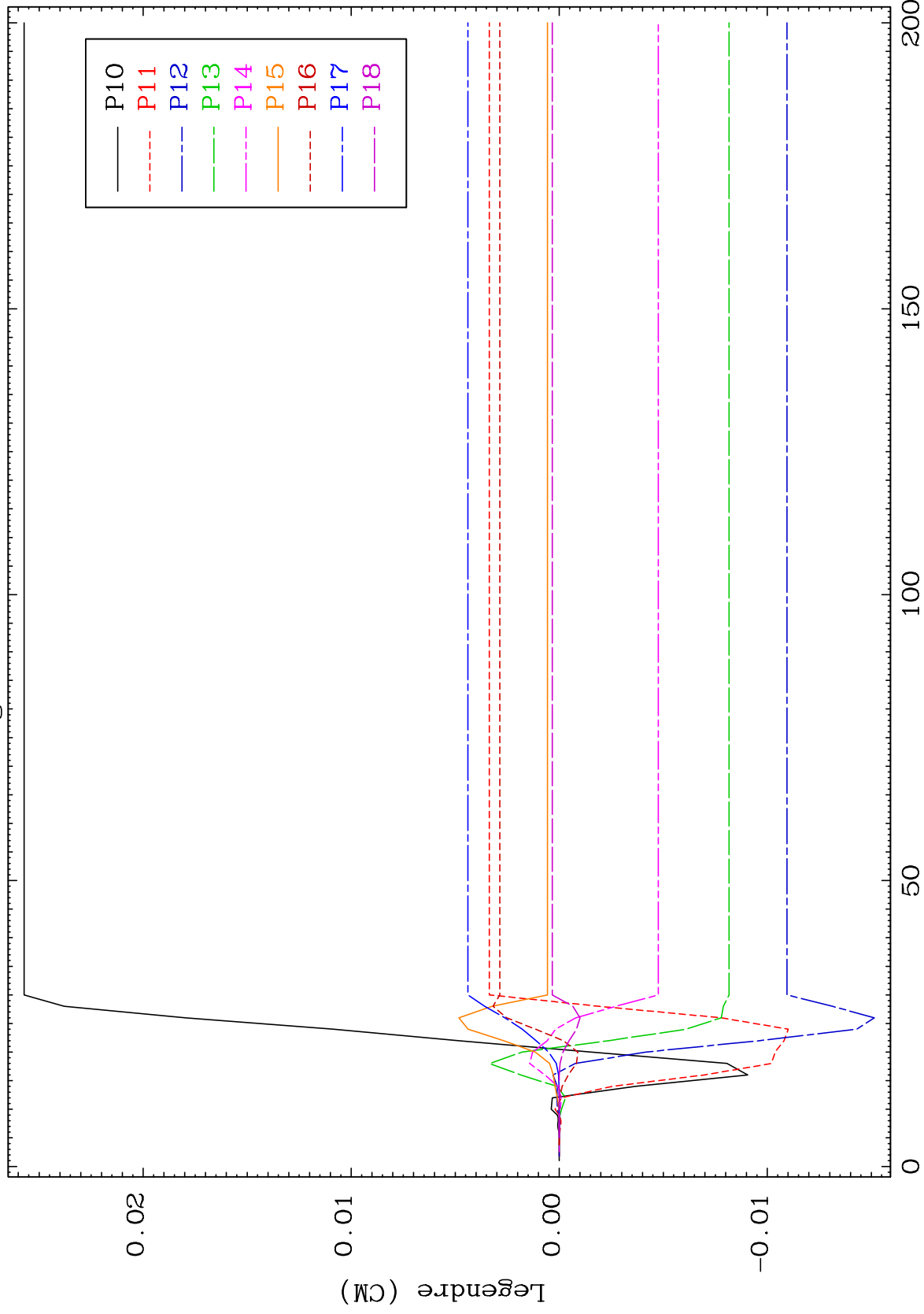
Incident Energy (MeV)

101

MAT 7416

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

74-W -177



102

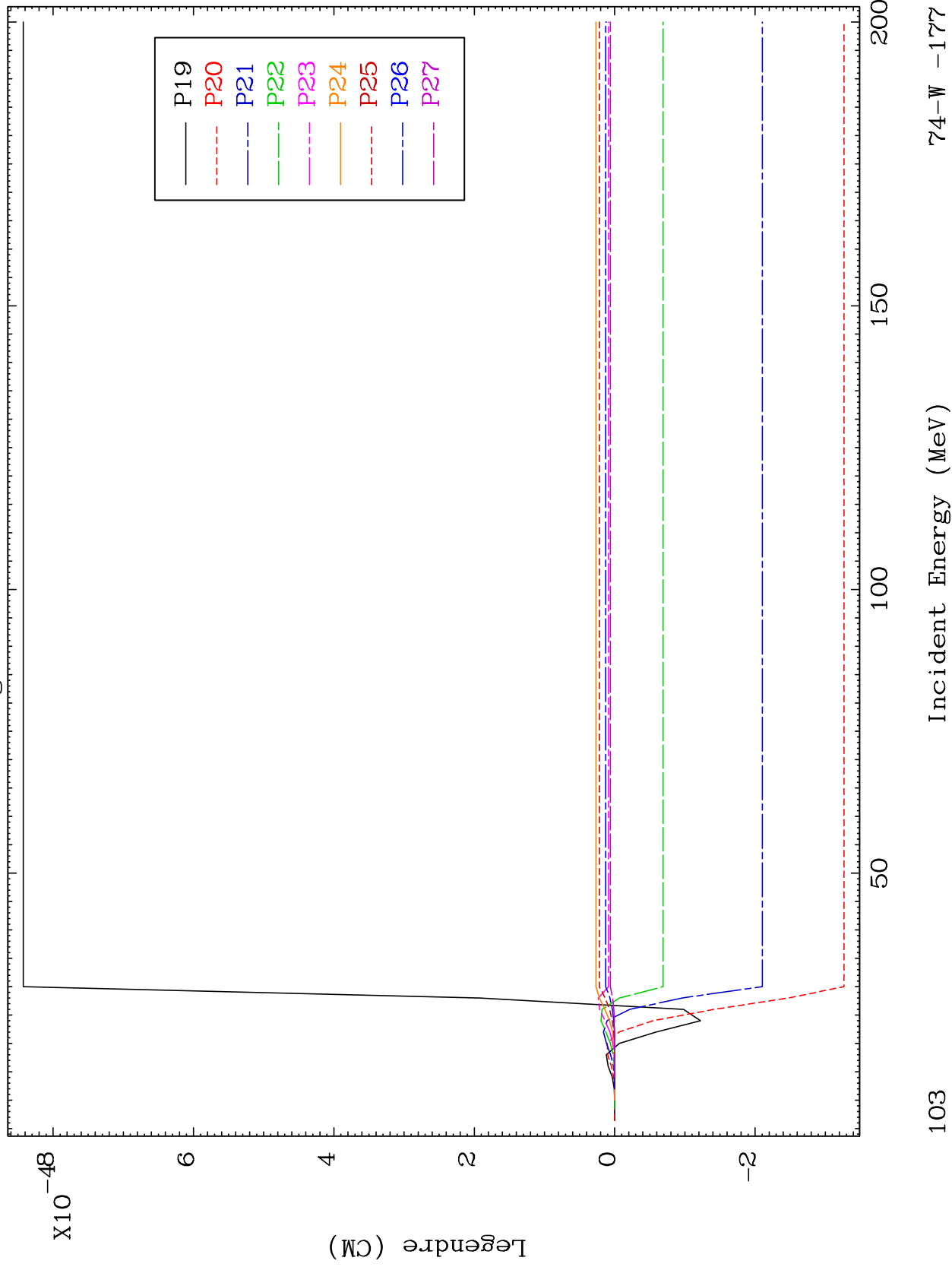
Incident Energy (MeV)

74-W -177

MAT 7416

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

74-W -177



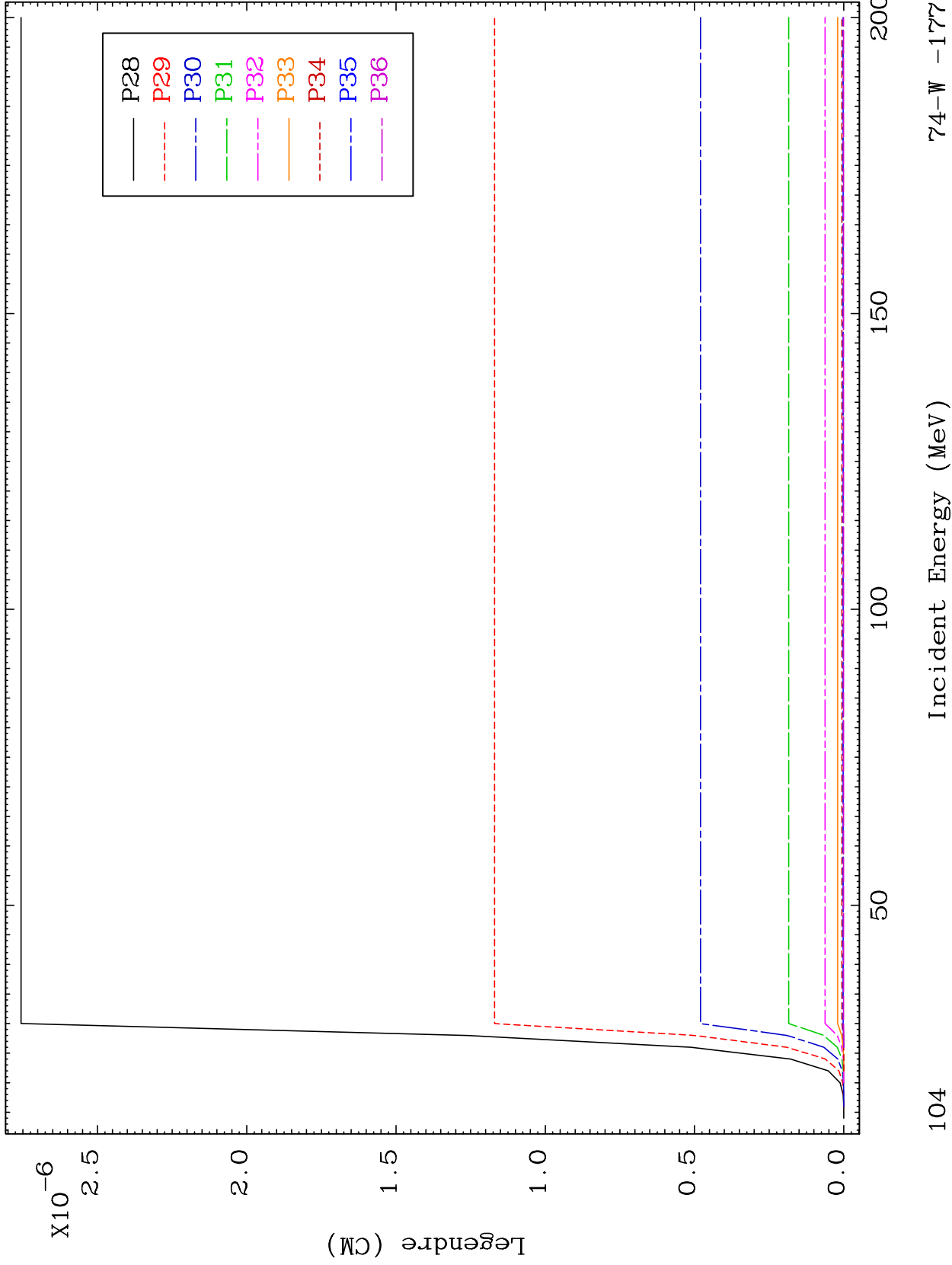
103

74-W -177

MAT 7416

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

74-W -177



104

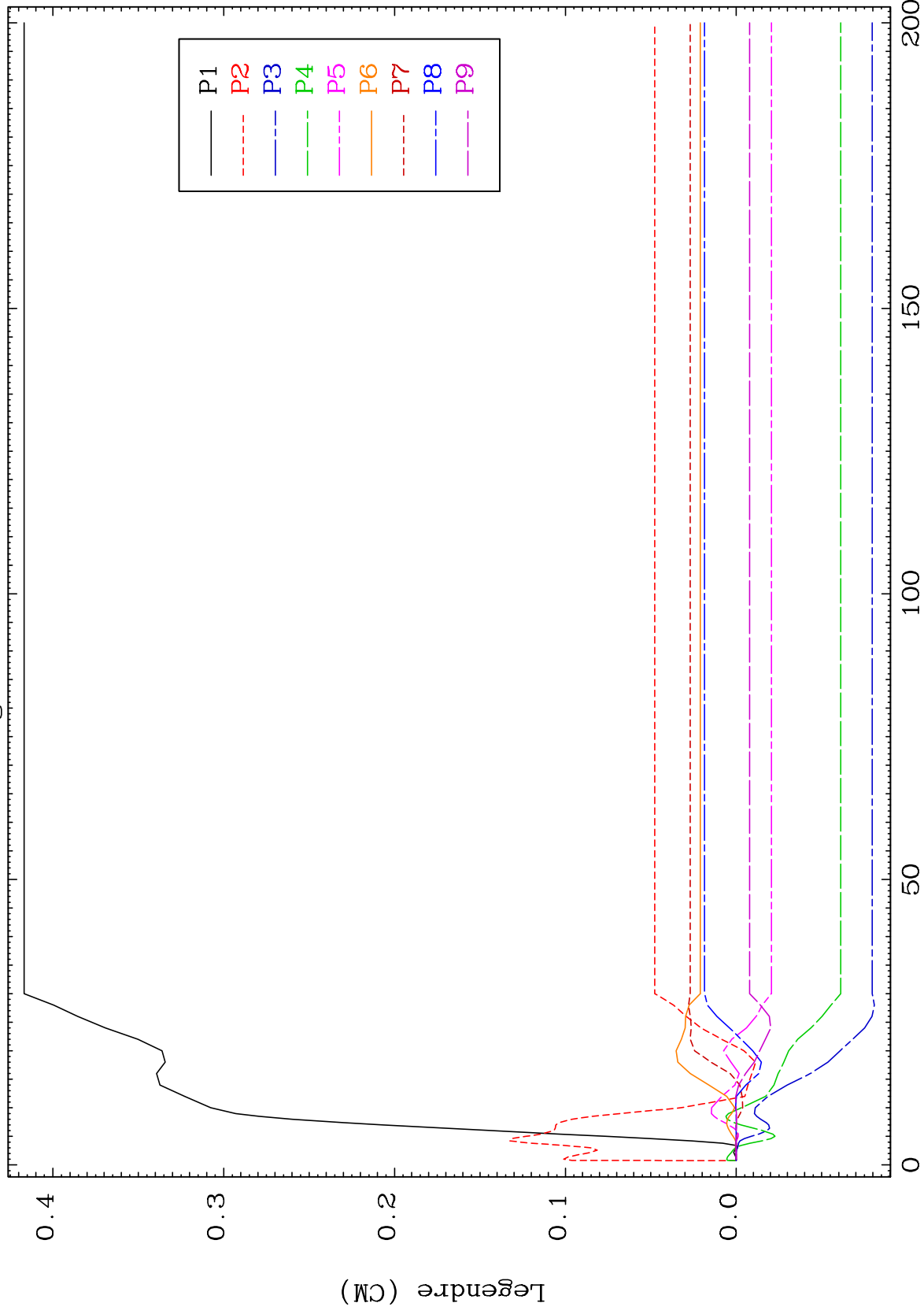
Incident Energy (MeV)

74-W -177

MAT 7416

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

74-W -177



105

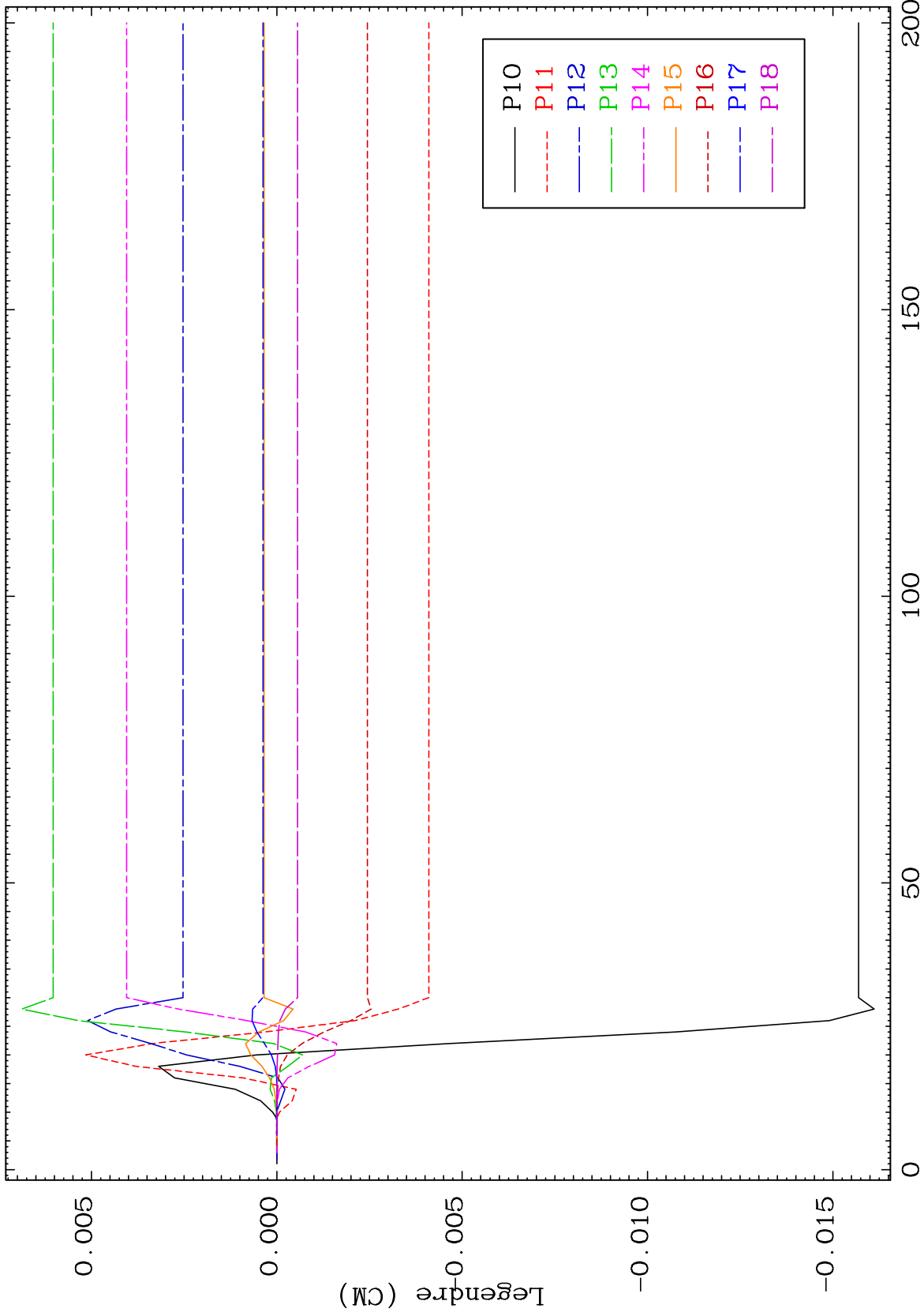
Incident Energy (MeV)

74-W -177

MAT 7416

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

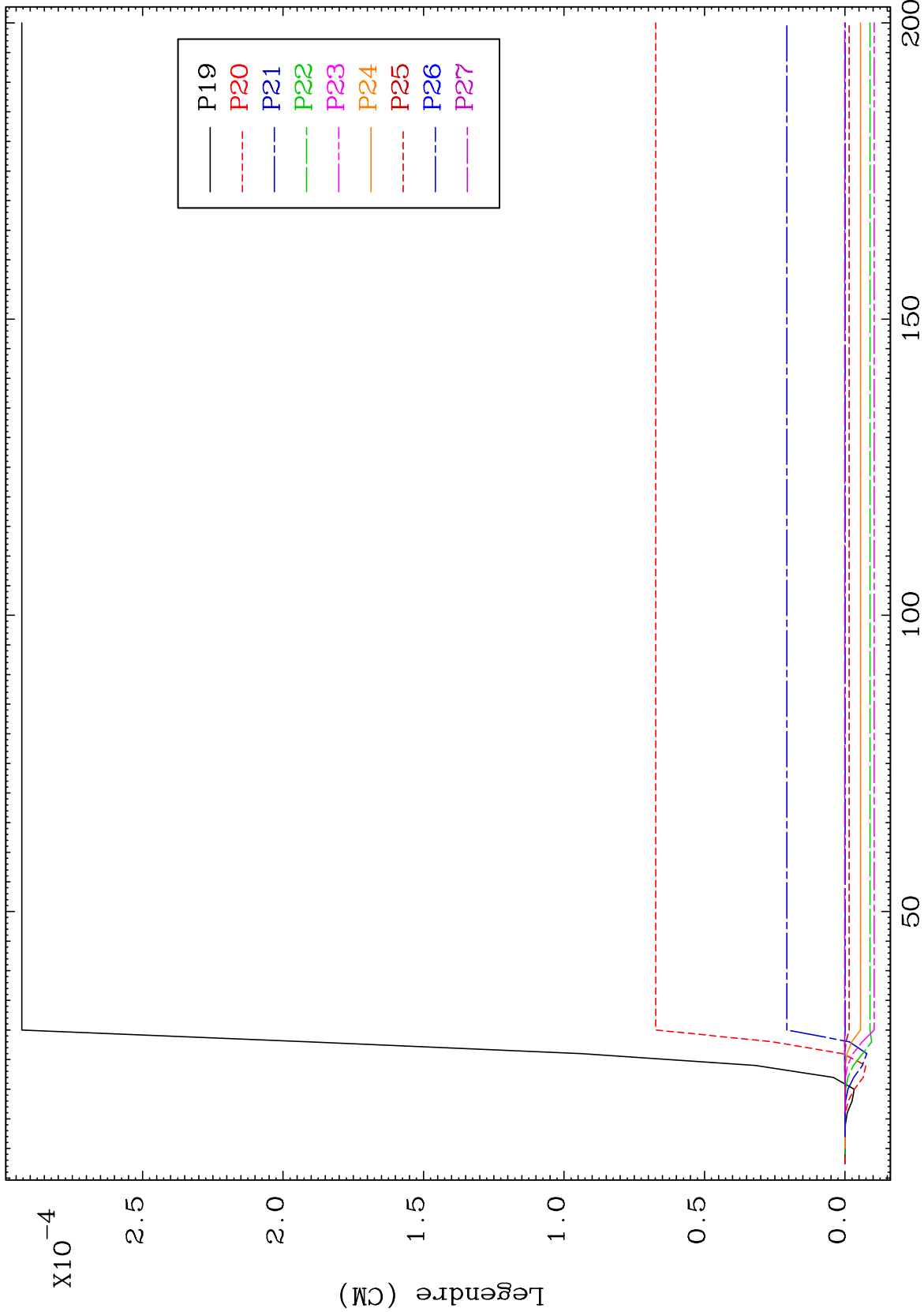
74-W -177



106

Incident Energy (MeV)

74-W -177



MAT 7416

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

74-W -177

$\times 10^{-7}$

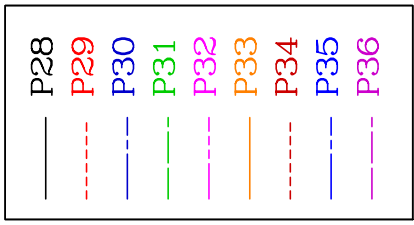
1.5

Legendre (CM)

1.0

0.5

0.0



50

100

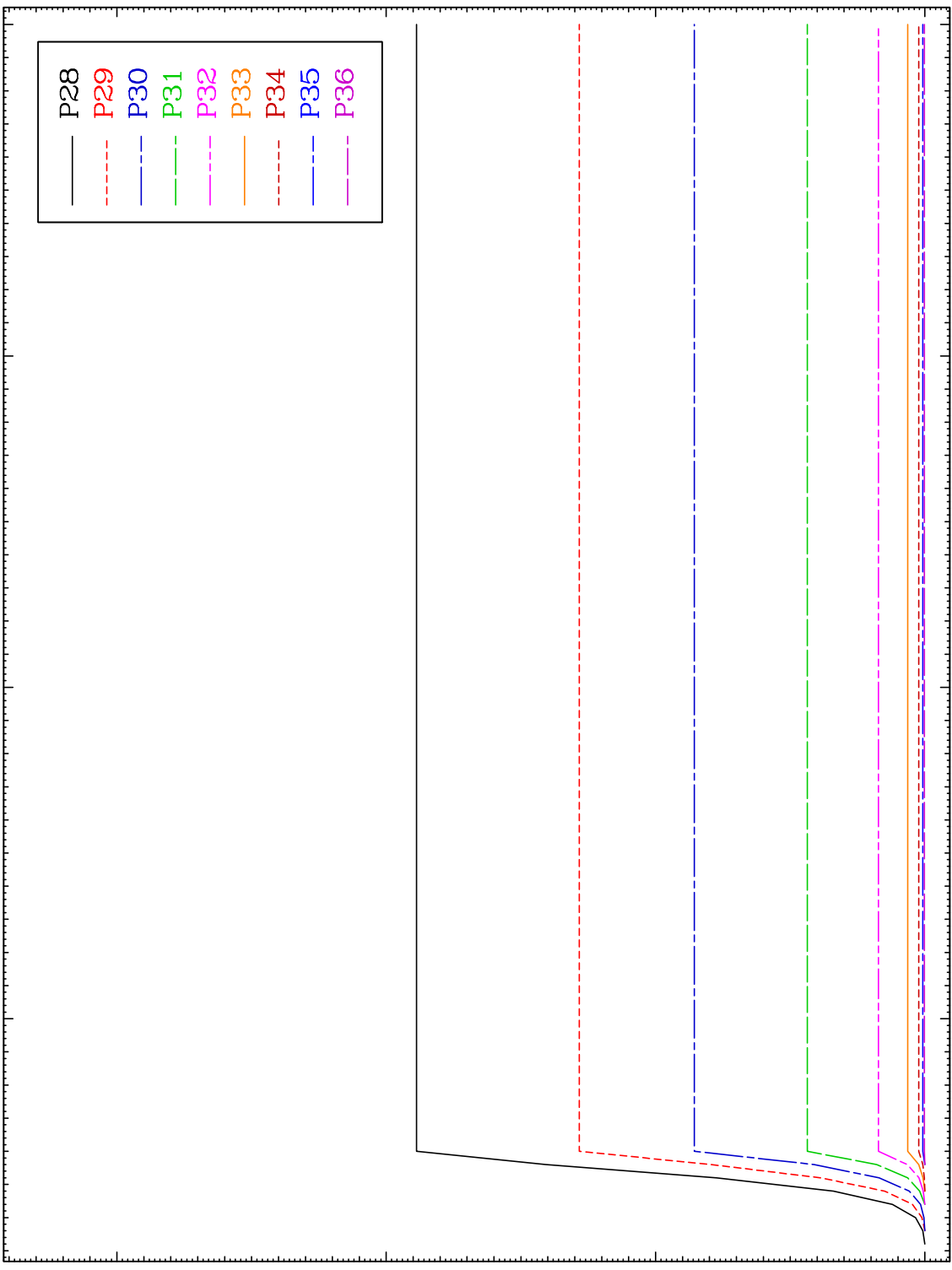
150

200

108

Incident Energy (MeV)

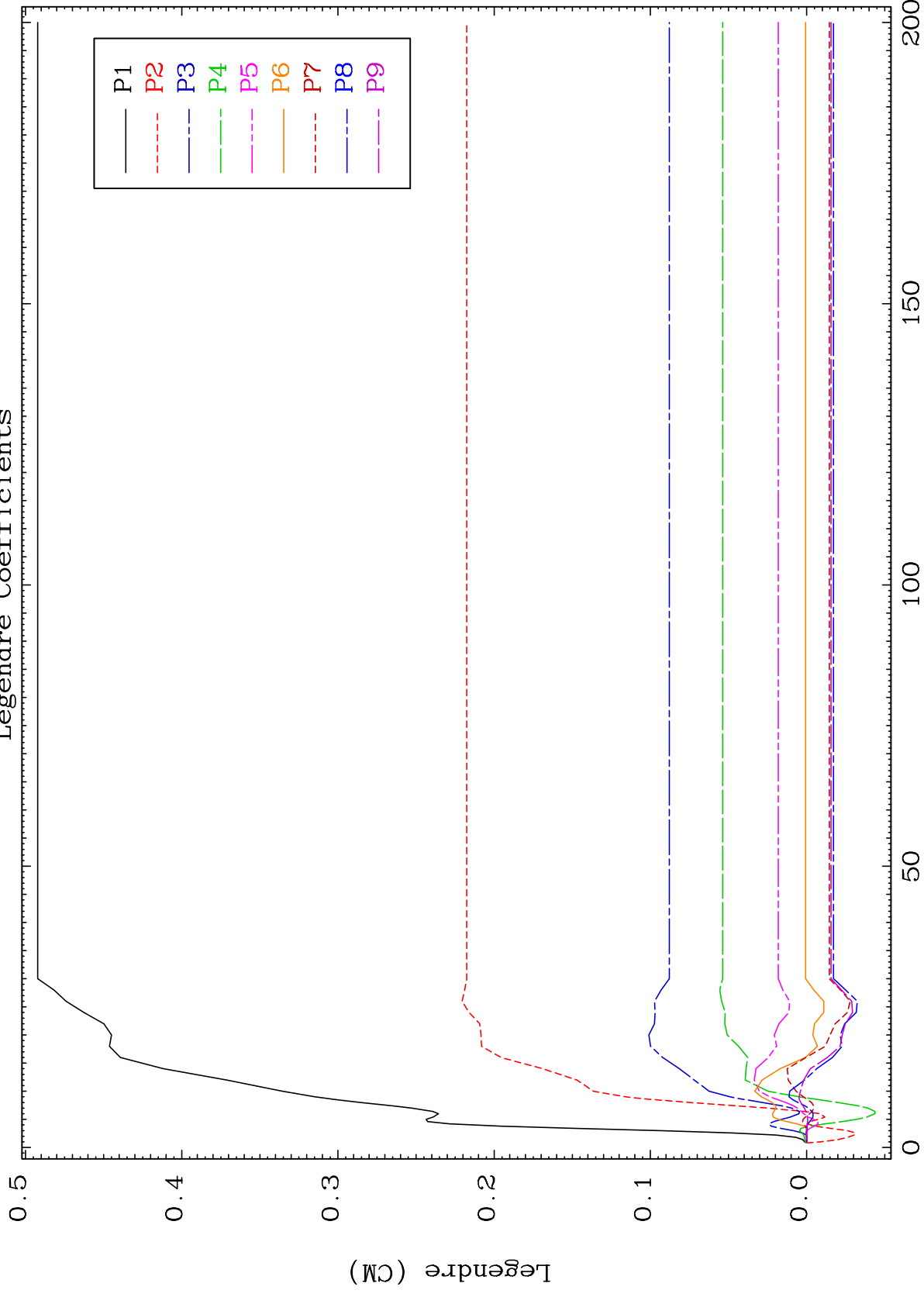
74-W -177



MAT 7416

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

74-W -177



74-W -177

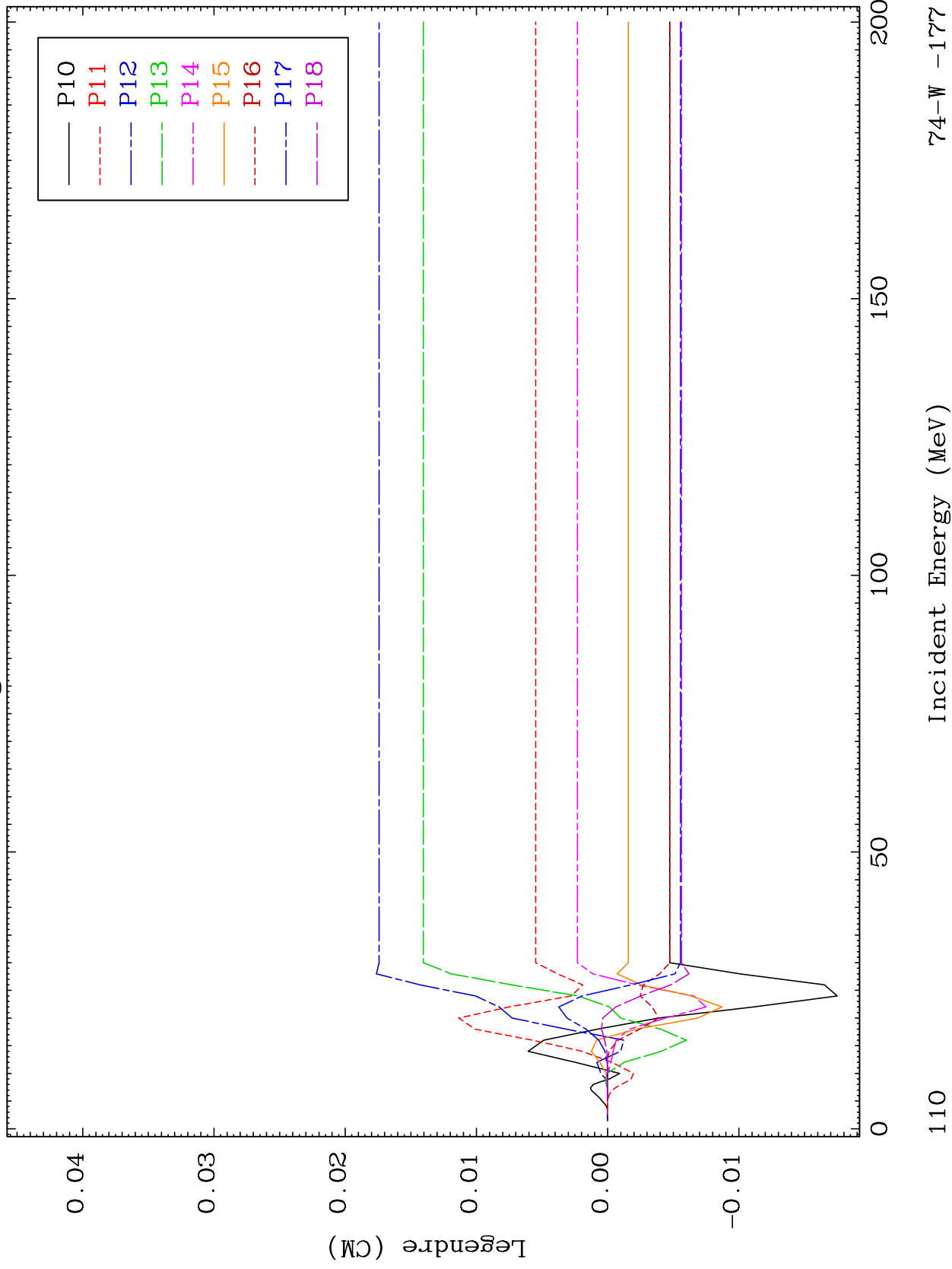
Incident Energy (MeV)

109

MAT 7416

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

74-W -177



74-W -177

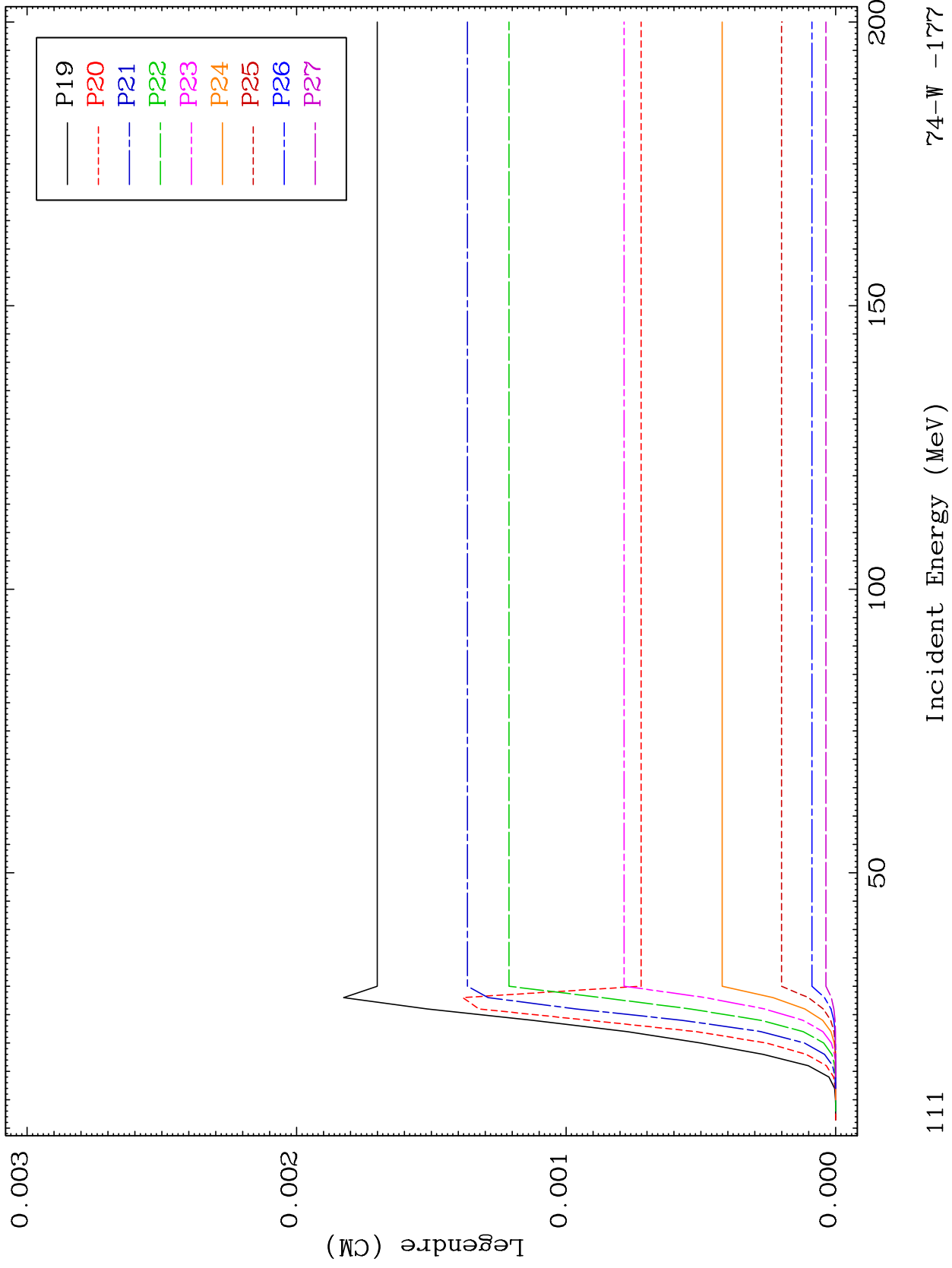
Incident Energy (MeV)

110

MAT 7416

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

74-W -177



111

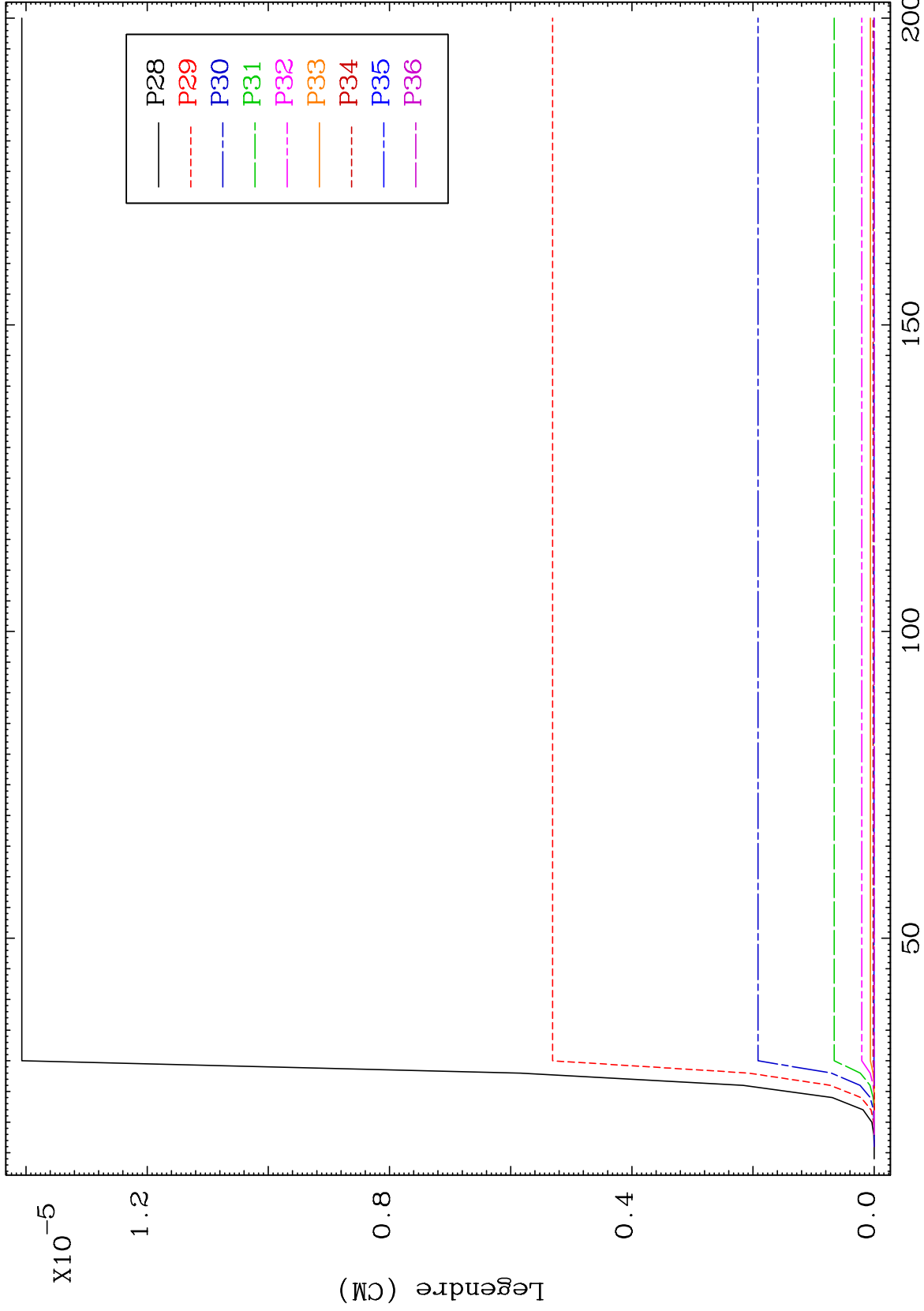
Incident Energy (MeV)

74-W -177

MAT 7416

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

74-W -177

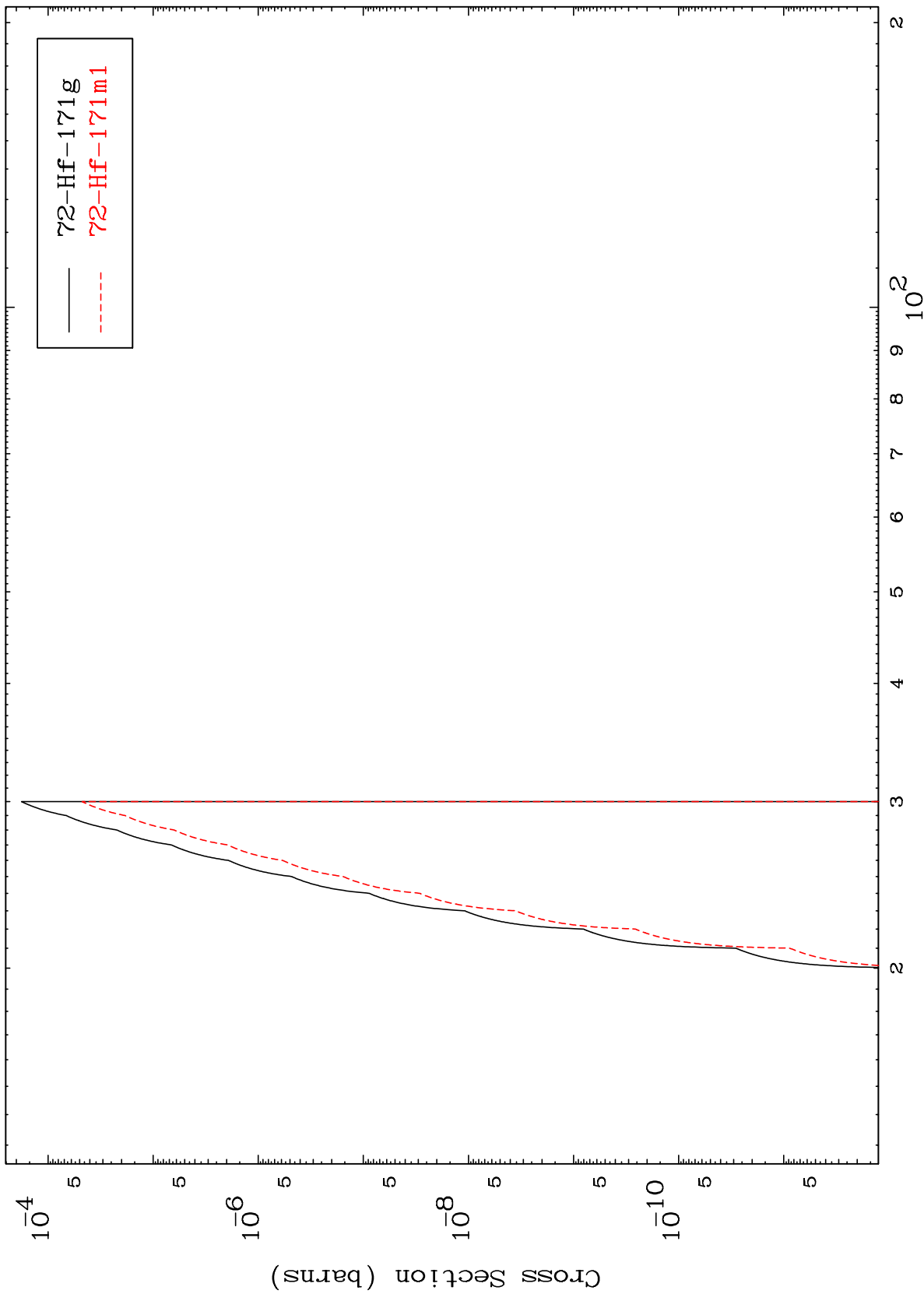


112

Incident Energy (MeV)

74-W -177

Radionuclide Production Cross Section

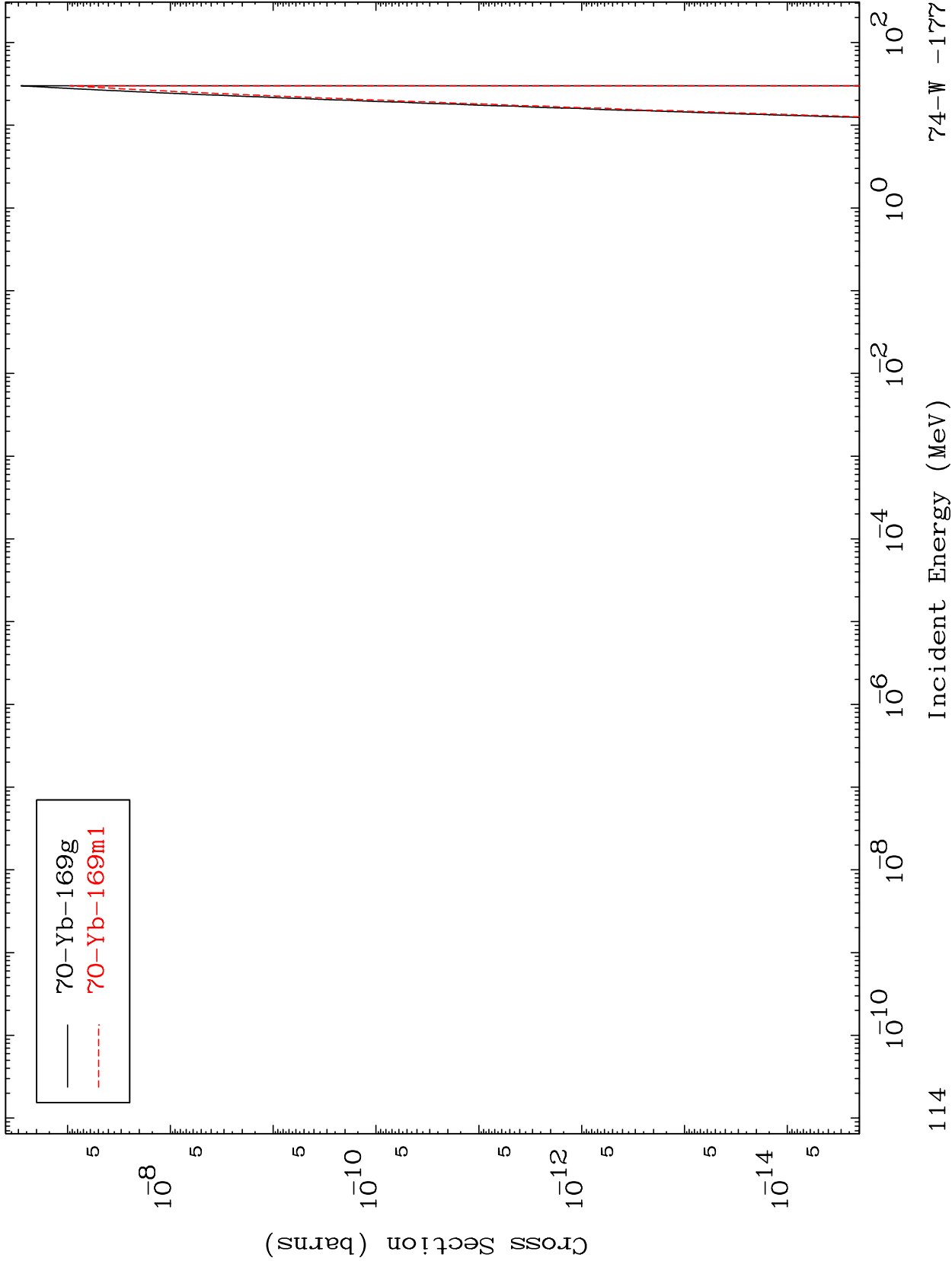


MAT 7416

(n,n') 2α

74-W -177

Radionuclide Production Cross Section



114

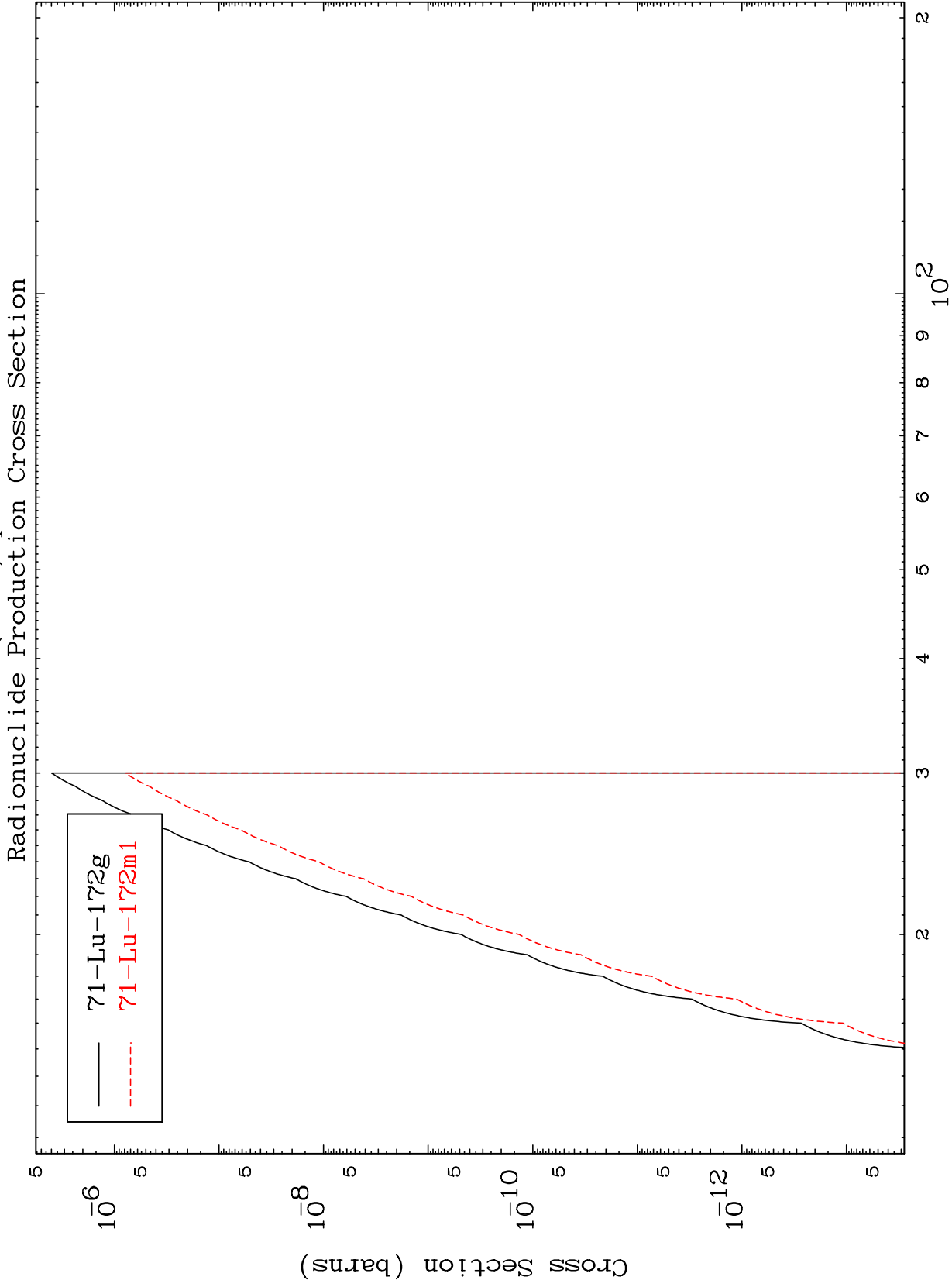
Incident Energy (MeV)

74-W -177

MAT 7416

(n,n') p  $\alpha$

74-W -177



115

Incident Energy (MeV)

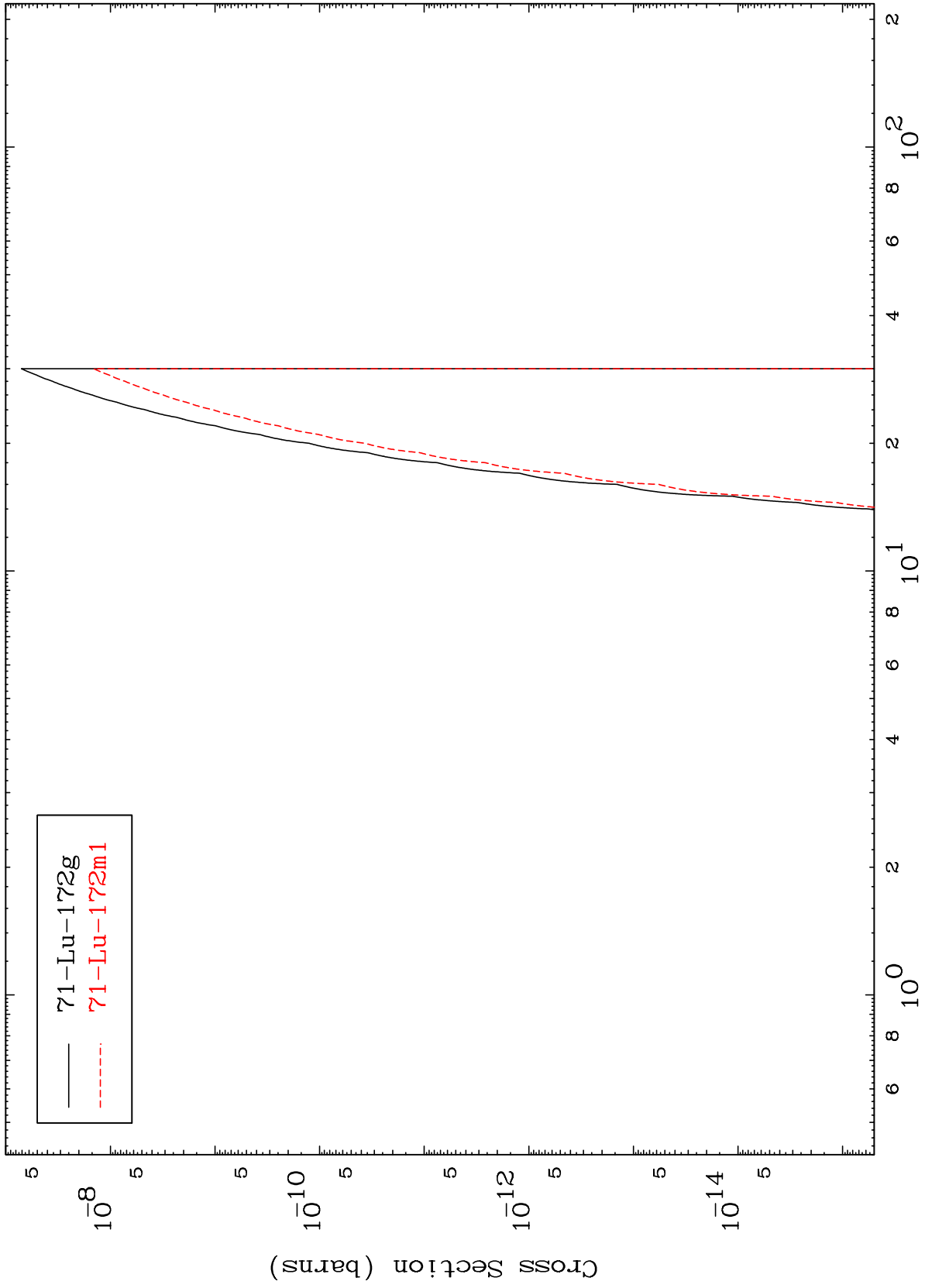
74-W -177

MAT 7416

(n,d)  $\alpha$

74-W -177

Radionuclide Production Cross Section



71-Lu-172g  
71-Lu-172m1

116

Incident Energy (MeV)

74-W -177