

Program EVALPLOT  
(Version 2017-1)

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

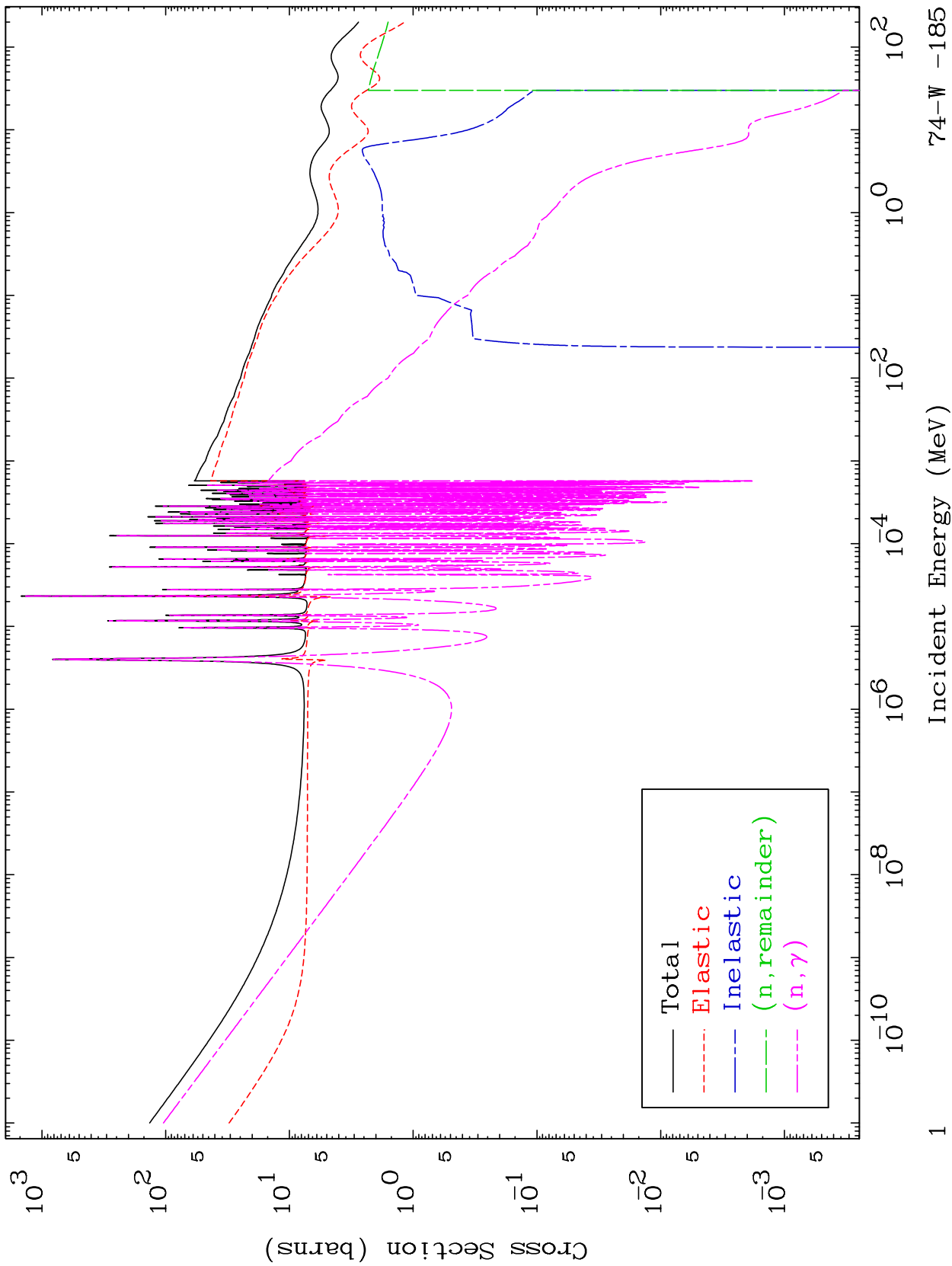
Press Mouse Button to Start

MAT 7440

Major

293 Kelvin Cross Sections

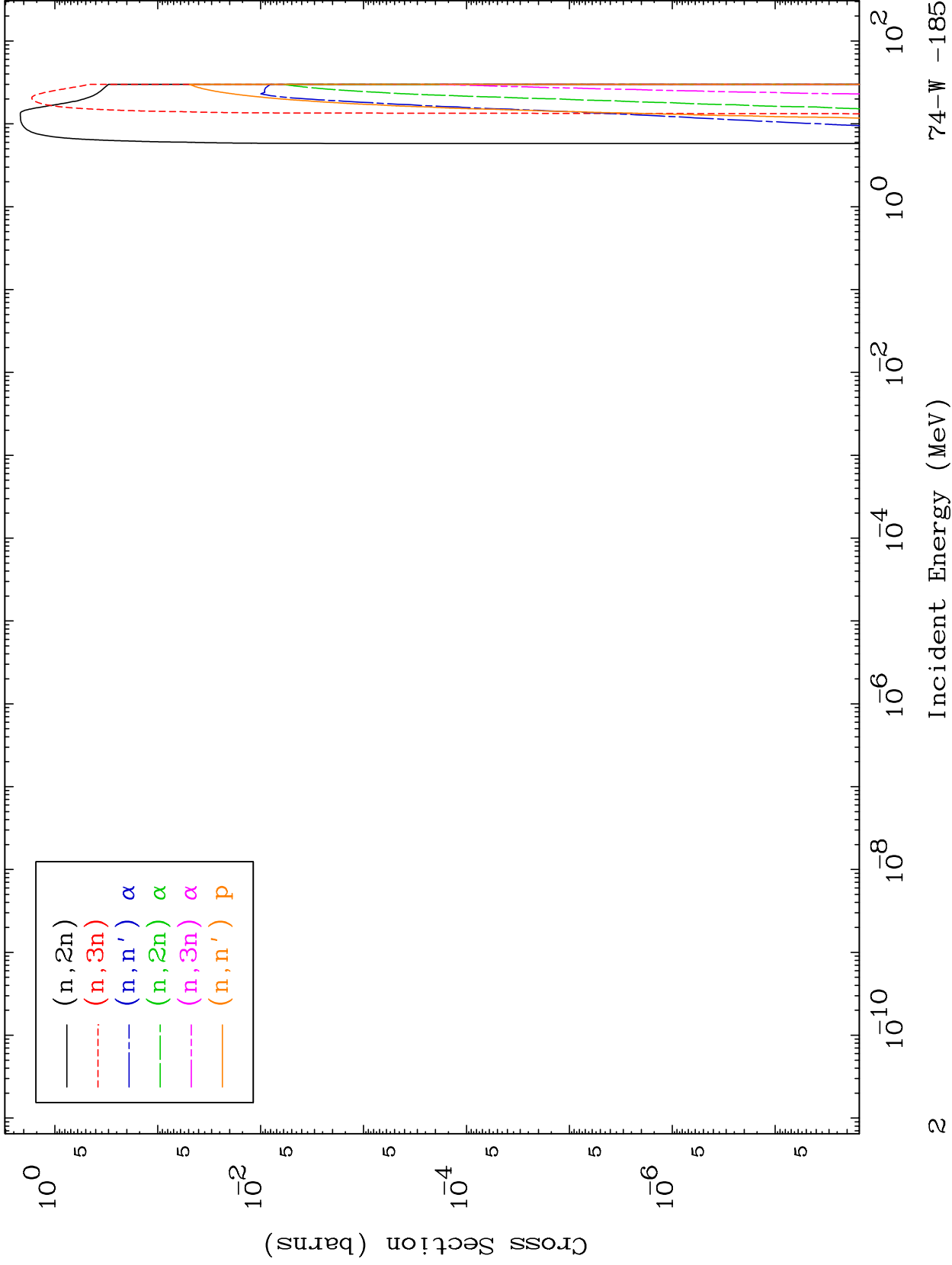
74-W -185

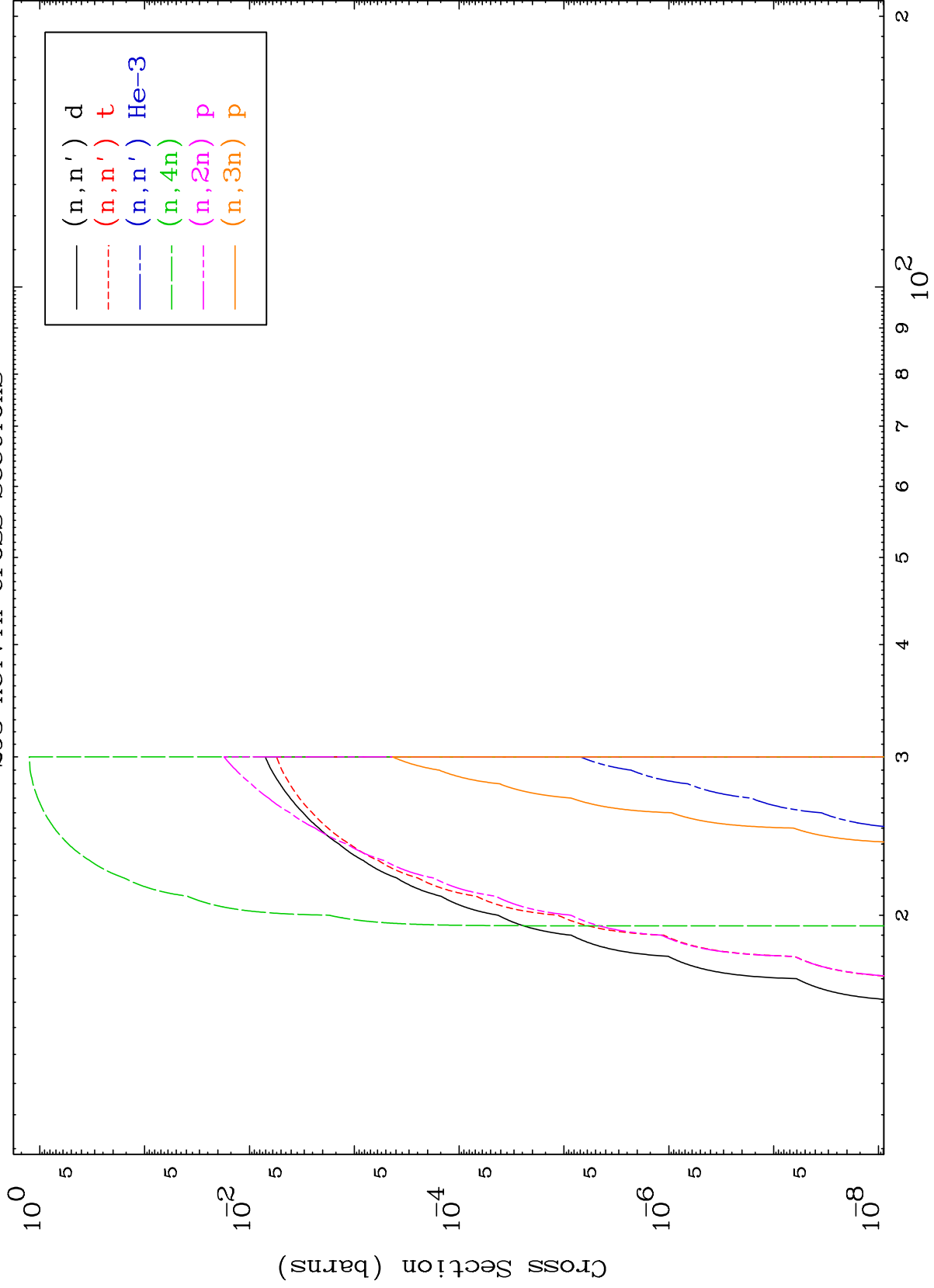


MAT 7440

Neutron Production  
293 Kelvin Cross Sections

74-W -185

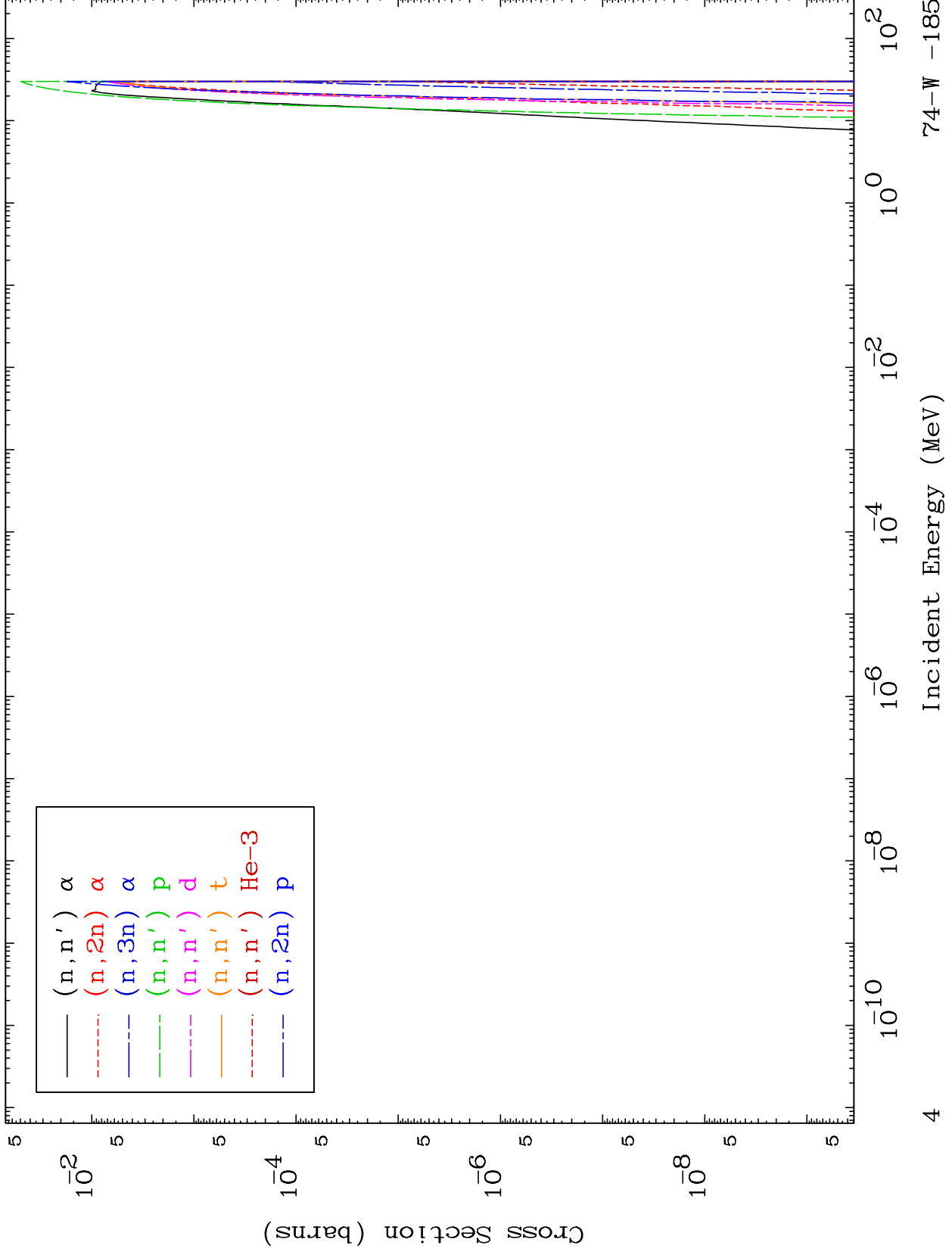




MAT 7440

Charged Particle  
293 Kelvin Cross Sections

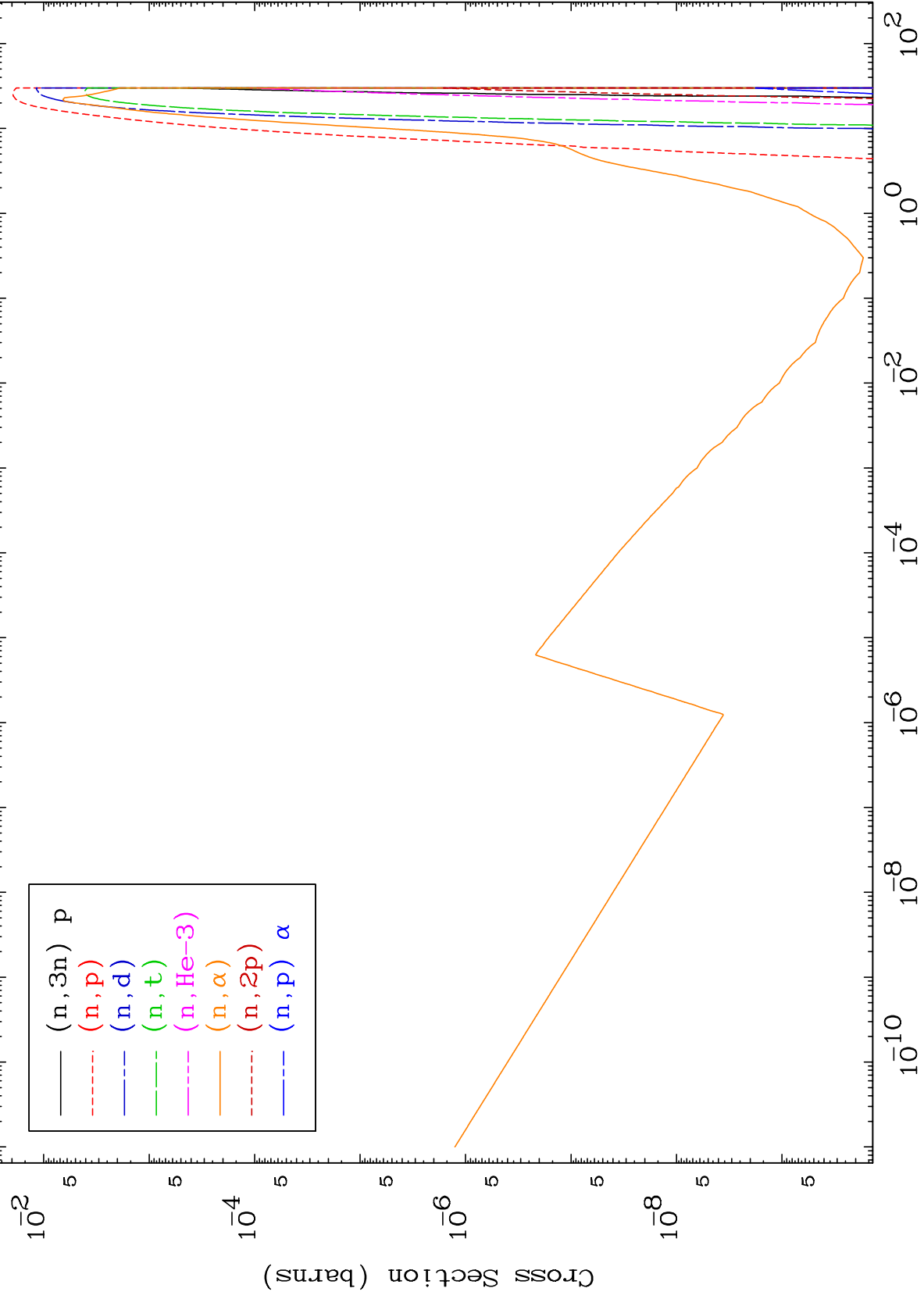
74-W -185



MAT 7440

Charged Particle  
293 Kelvin Cross Sections

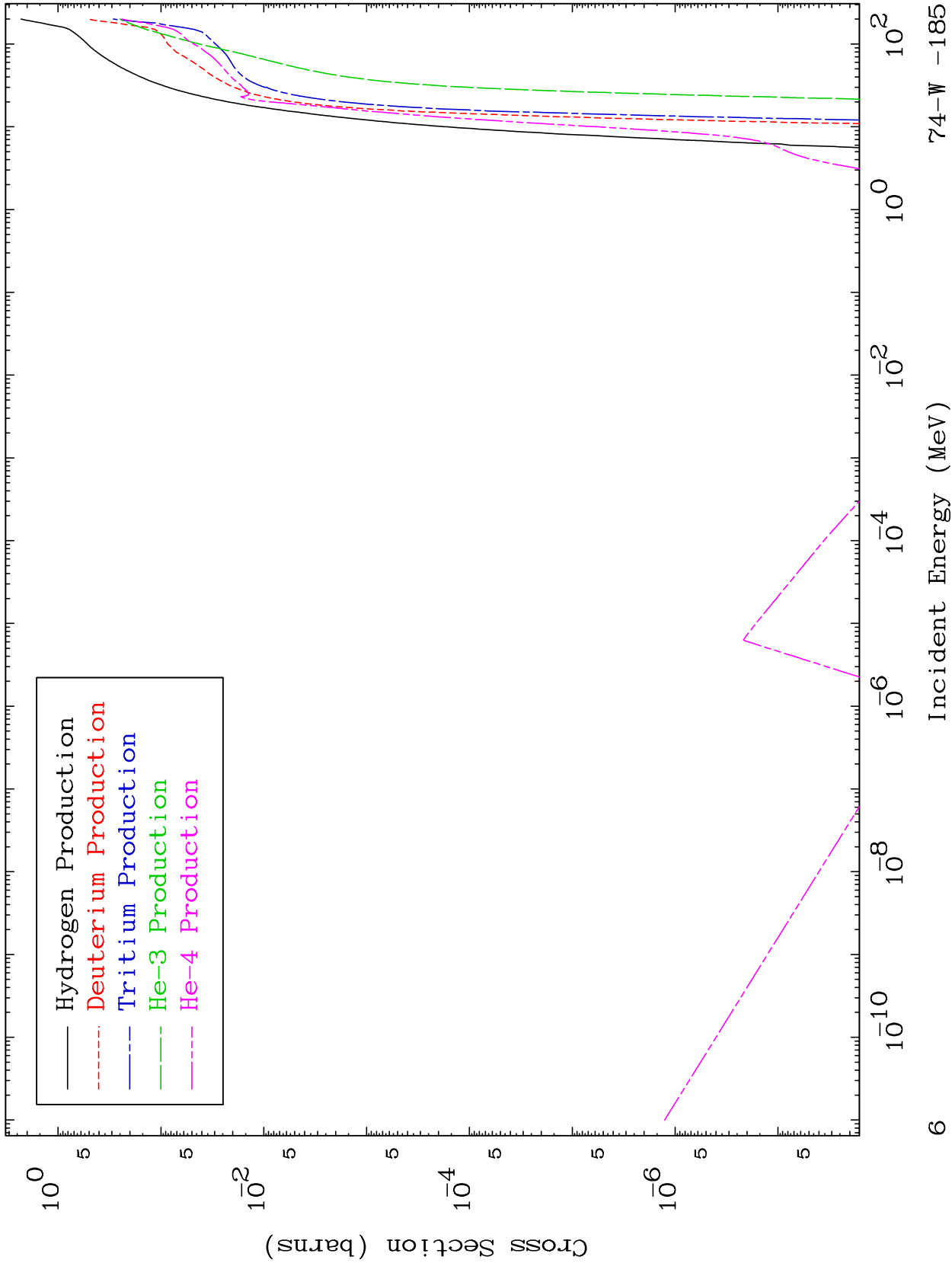
74-W -185

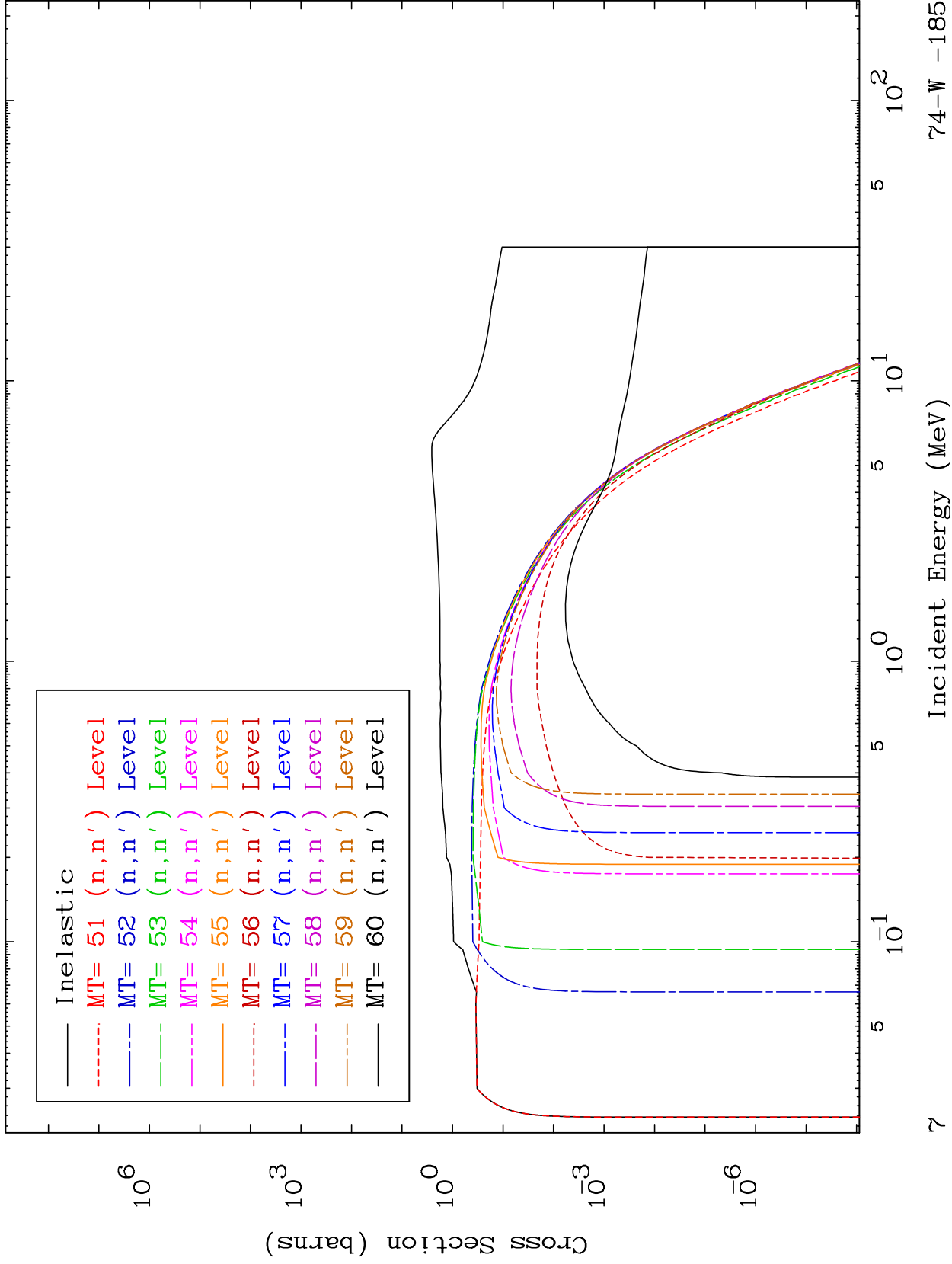


5

Incident Energy (MeV)

74-W -185





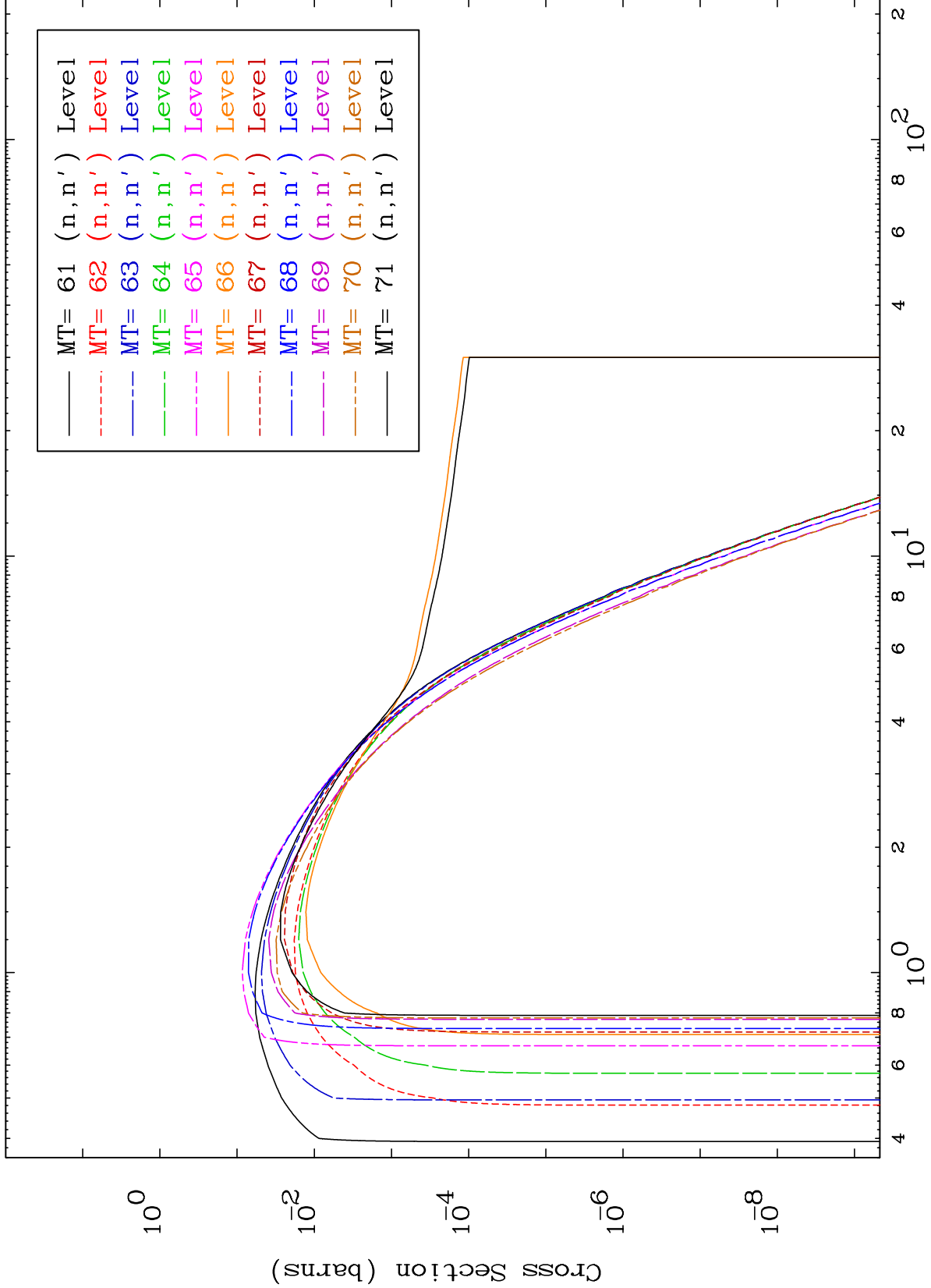


MAT 7440

(n,n') Level

74-W -185

293 Kelvin Cross Sections

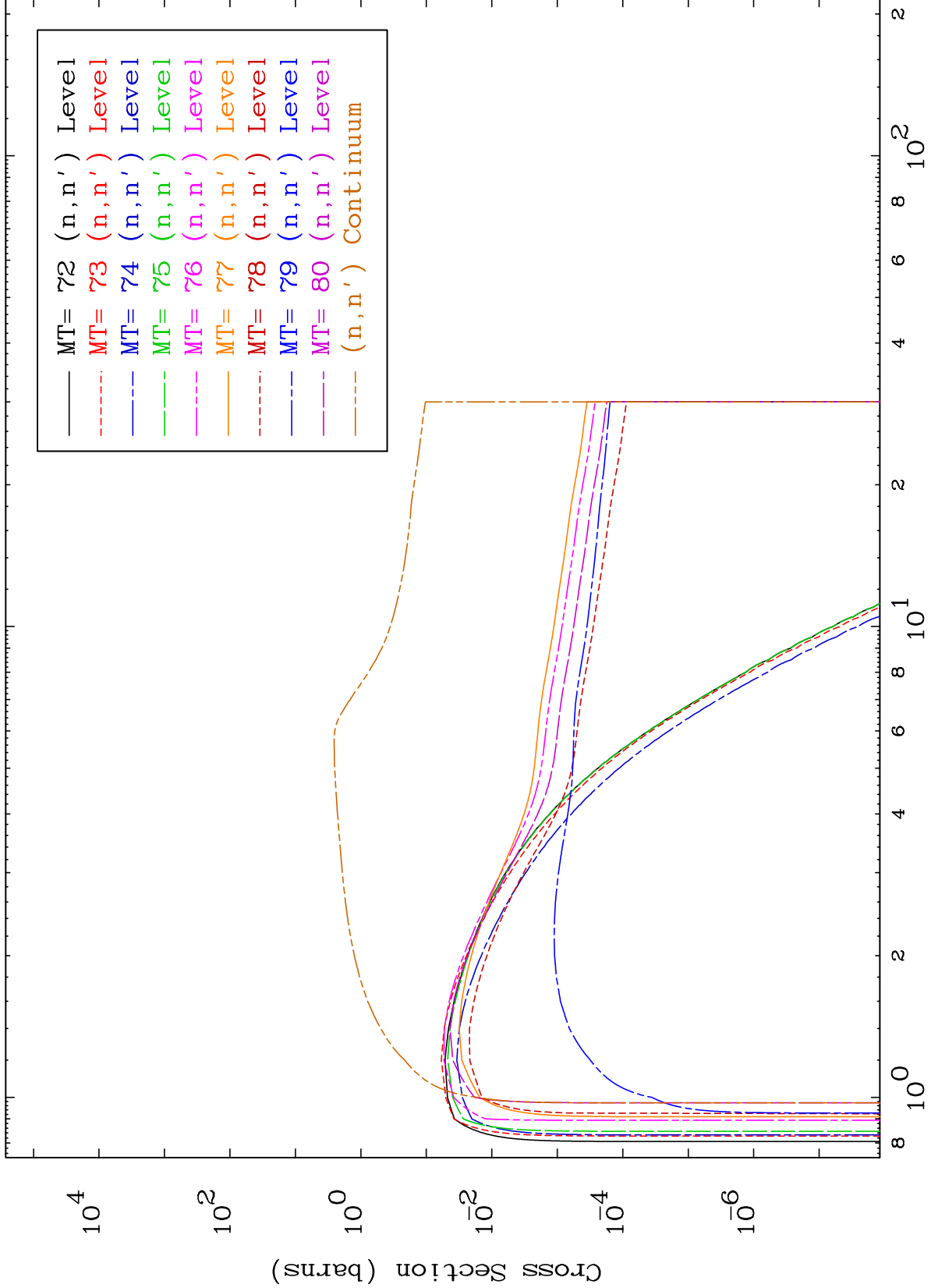


8

Incident Energy (MeV)

74-W -185

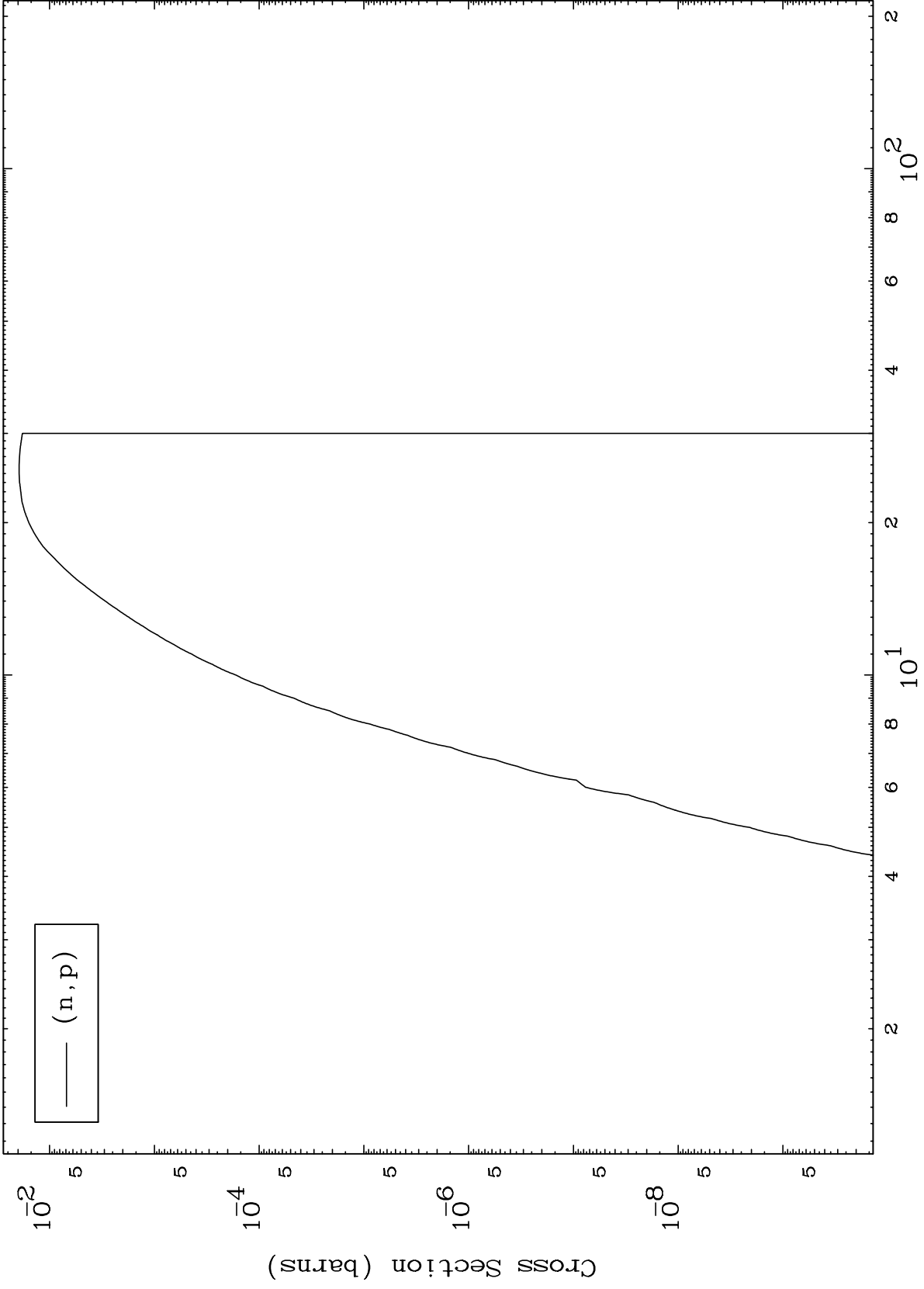
293 Kelvin Cross Sections



MAT 7440

(n,p) Levels  
293 Kelvin Cross Sections

74-W -185



10

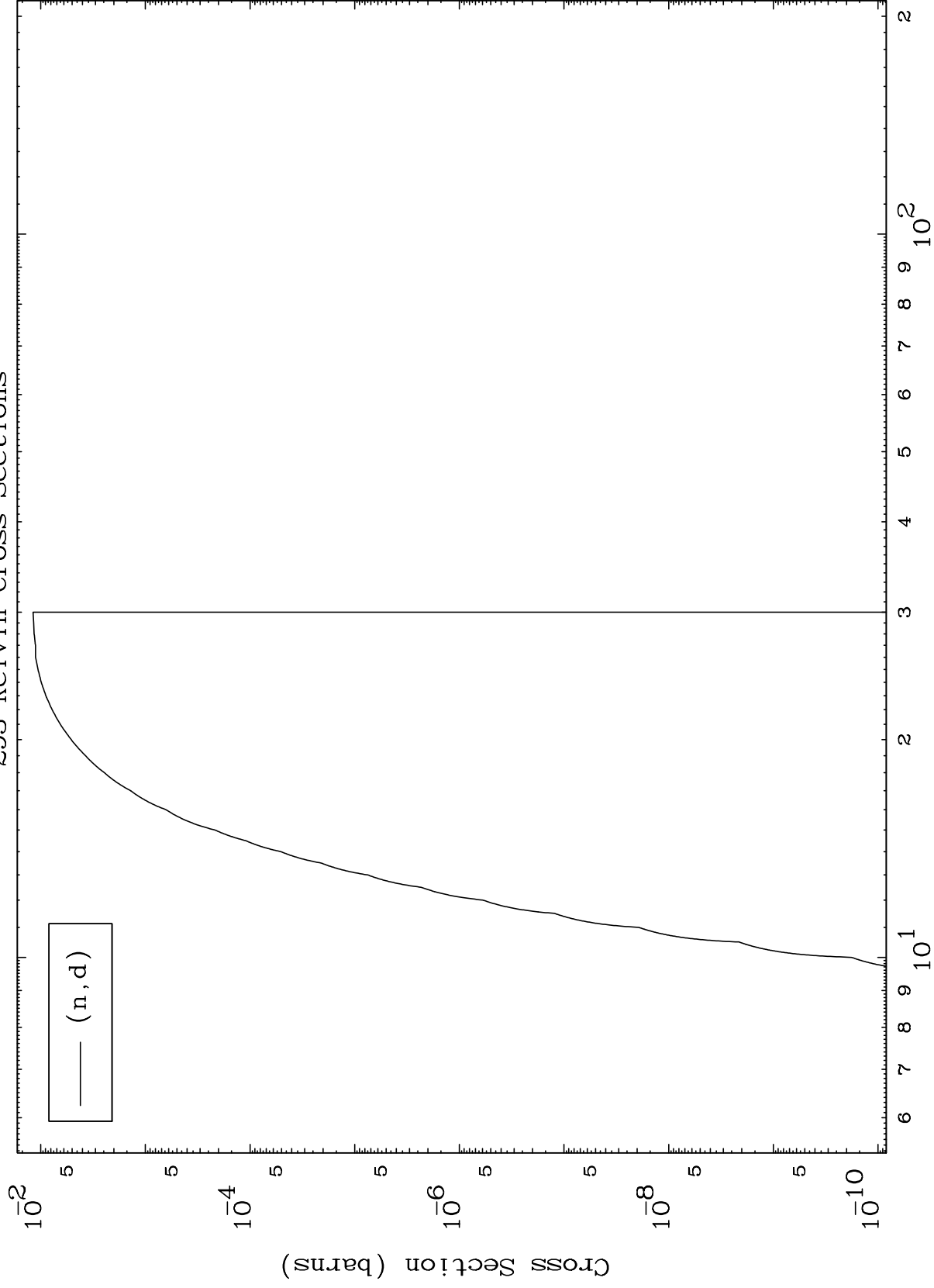
Incident Energy (MeV)

74-W -185

MAT 7440

(n,d) Levels  
293 Kelvin Cross Sections

74-W -185



(n,d)

Incident Energy (MeV)

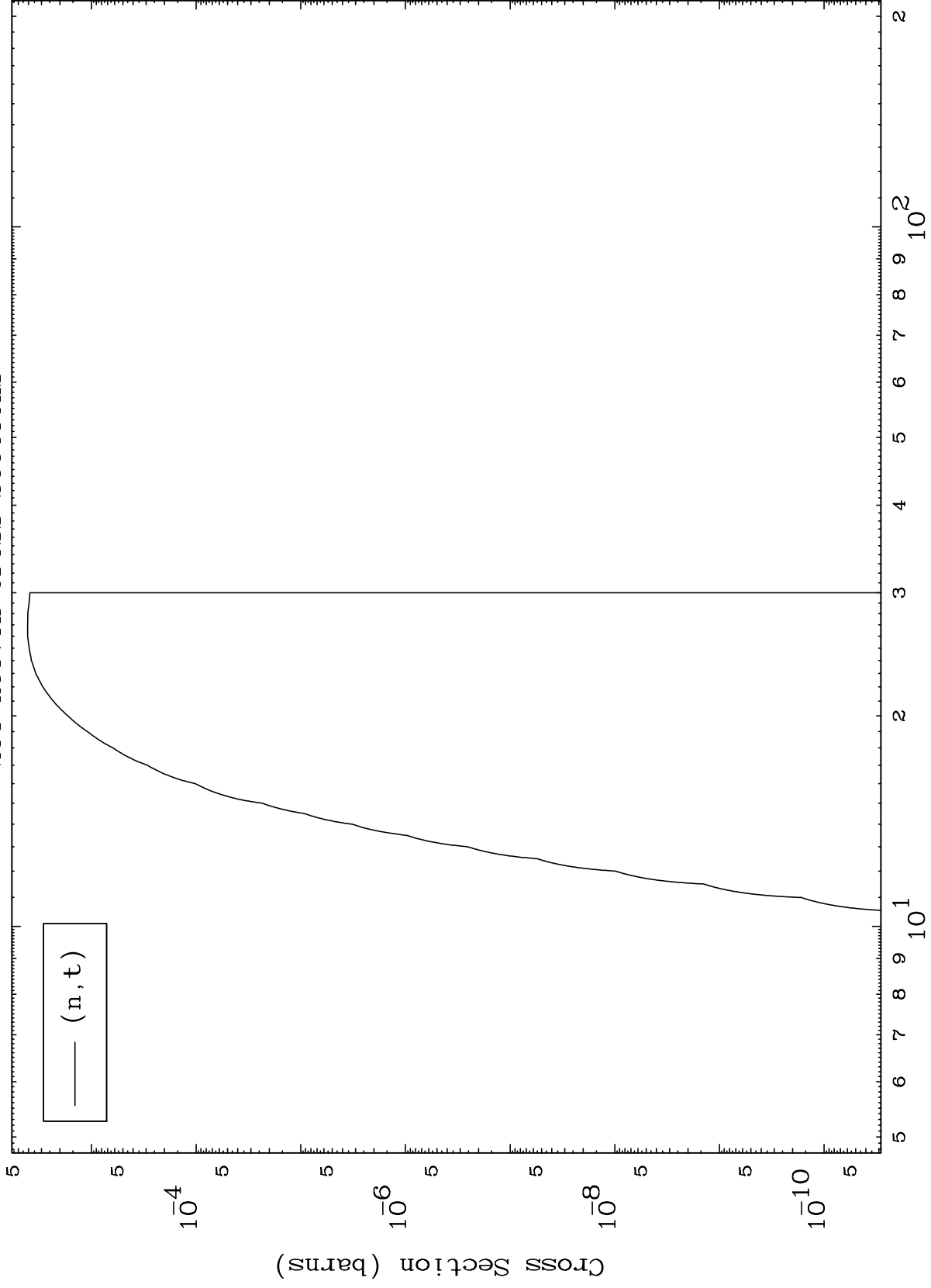
74-W -185

11

MAT 7440

(n,t) Levels  
293 Kelvin Cross Sections

74-W -185



12

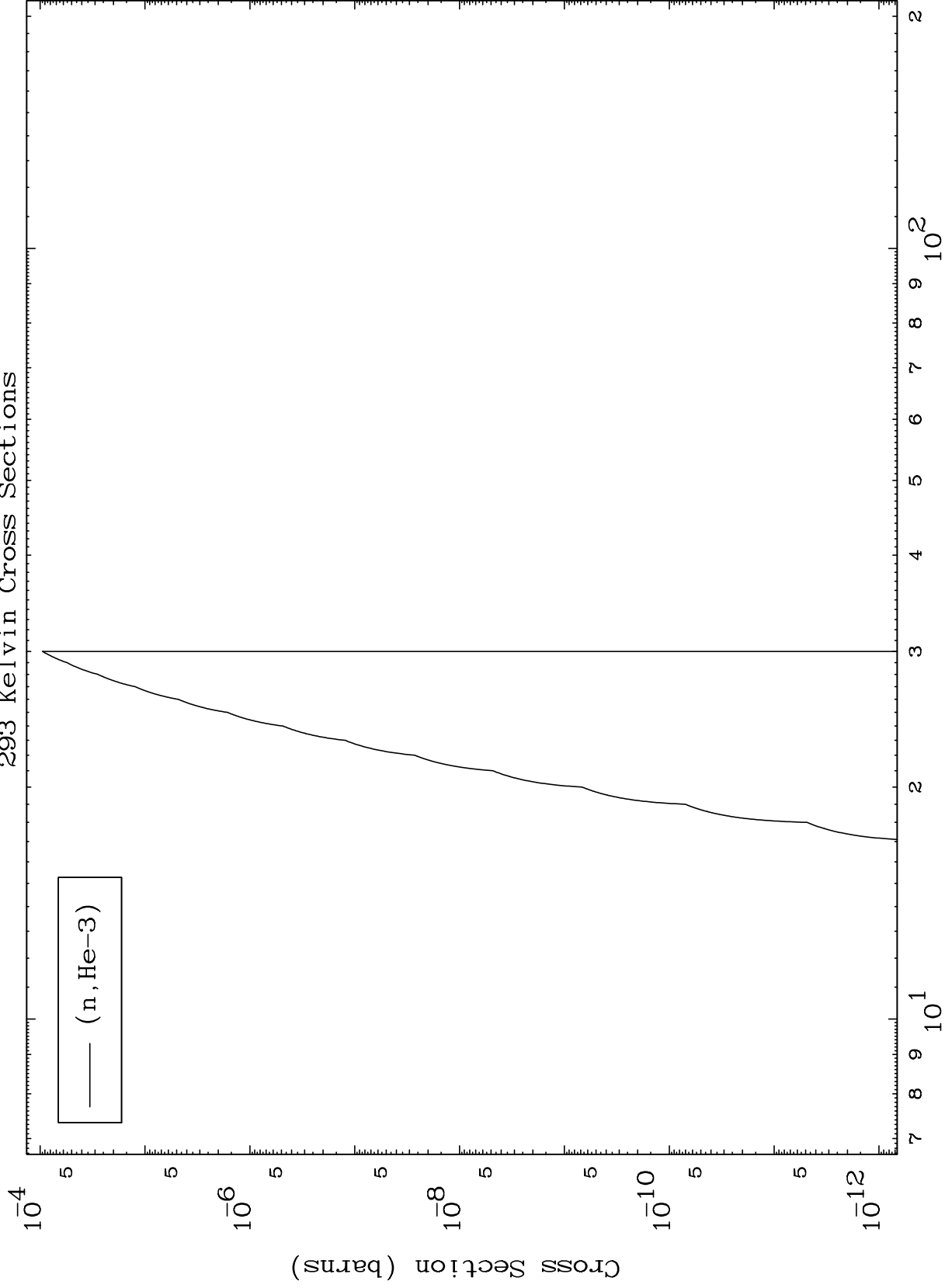
Incident Energy (MeV)

74-W -185

MAT 7440

(n,He3) Levels  
293 Kelvin Cross Sections

74-W -185



13

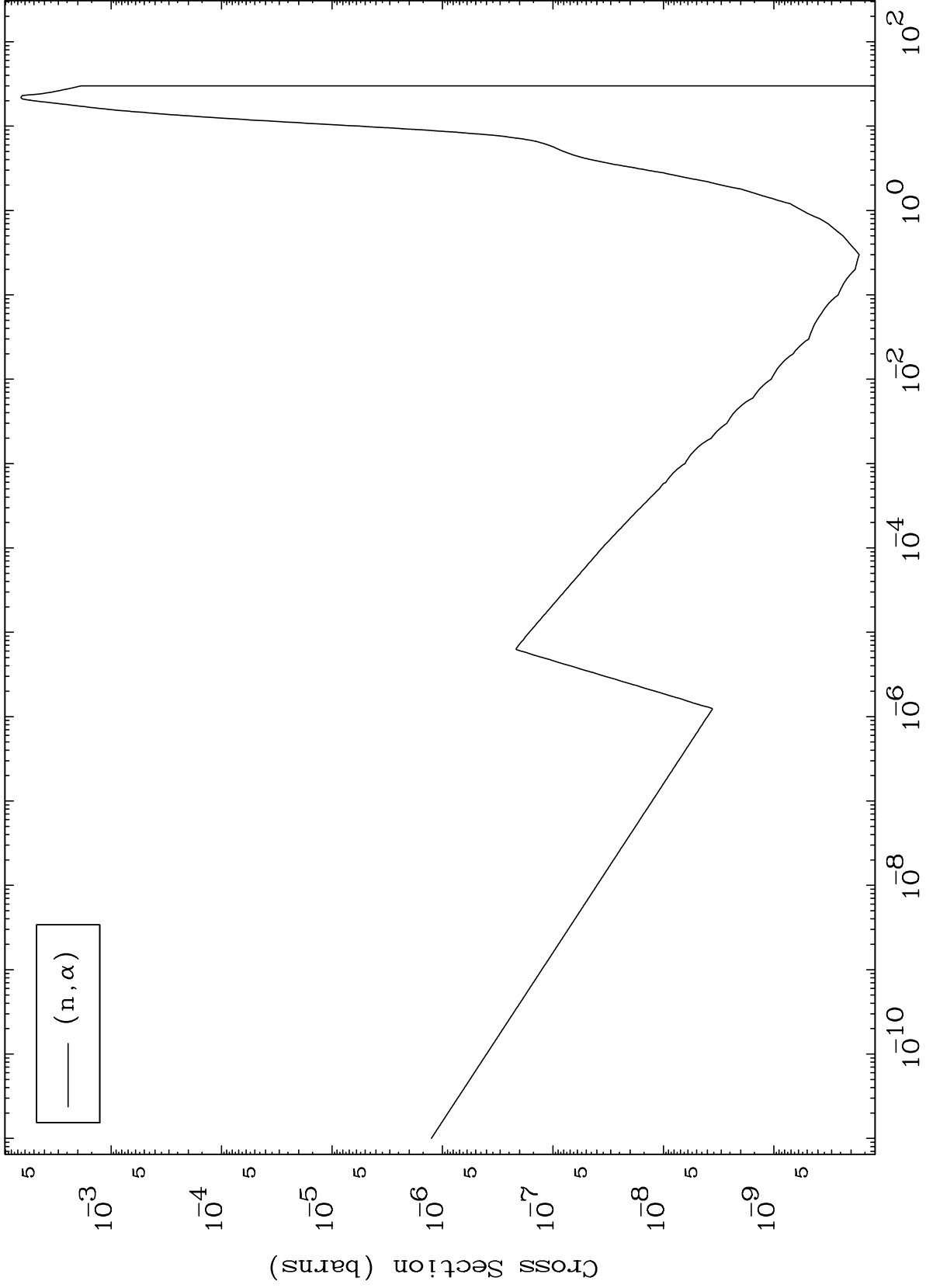
Incident Energy (MeV)

74-W -185

MAT 7440

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

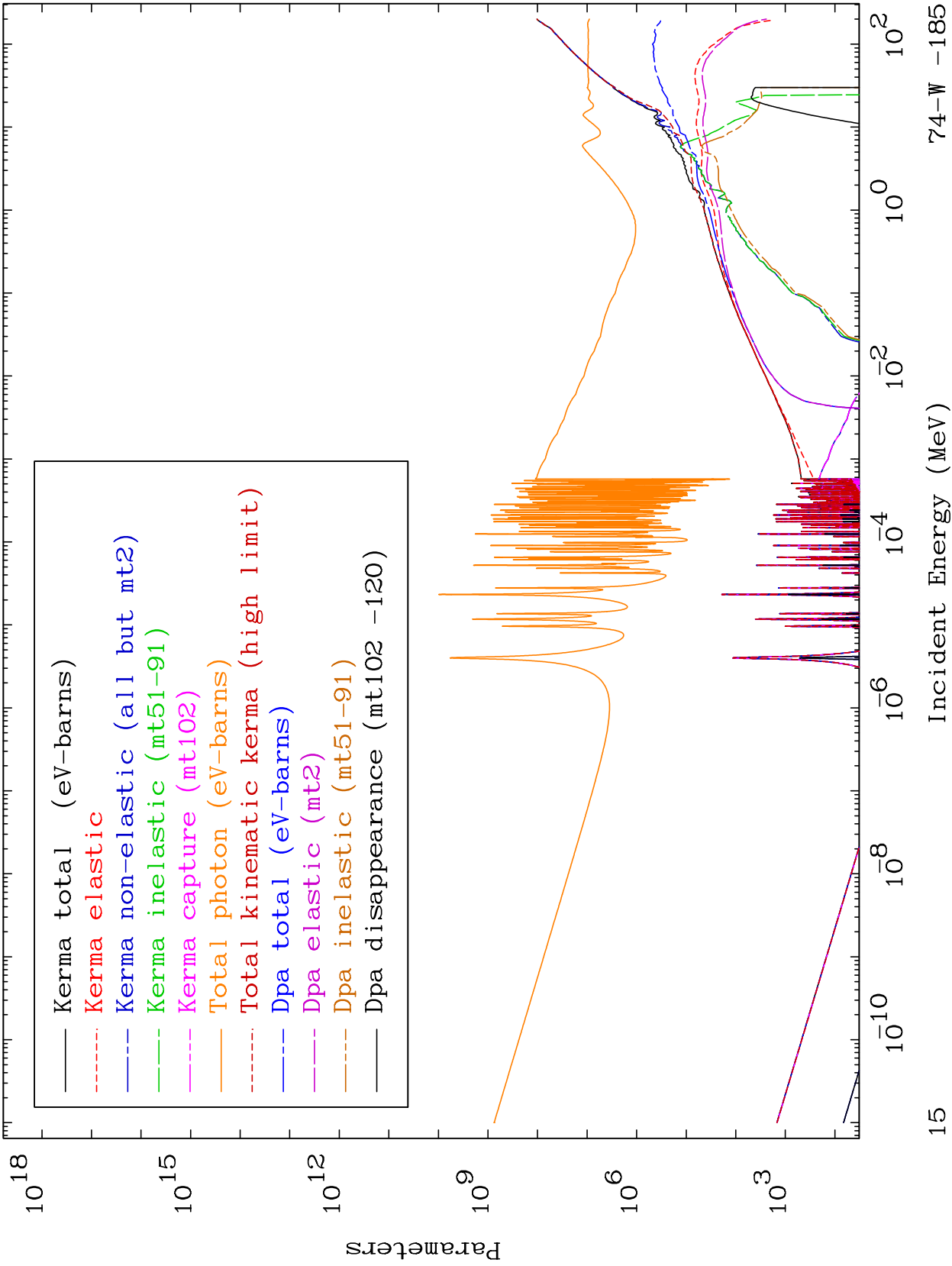
74-W -185



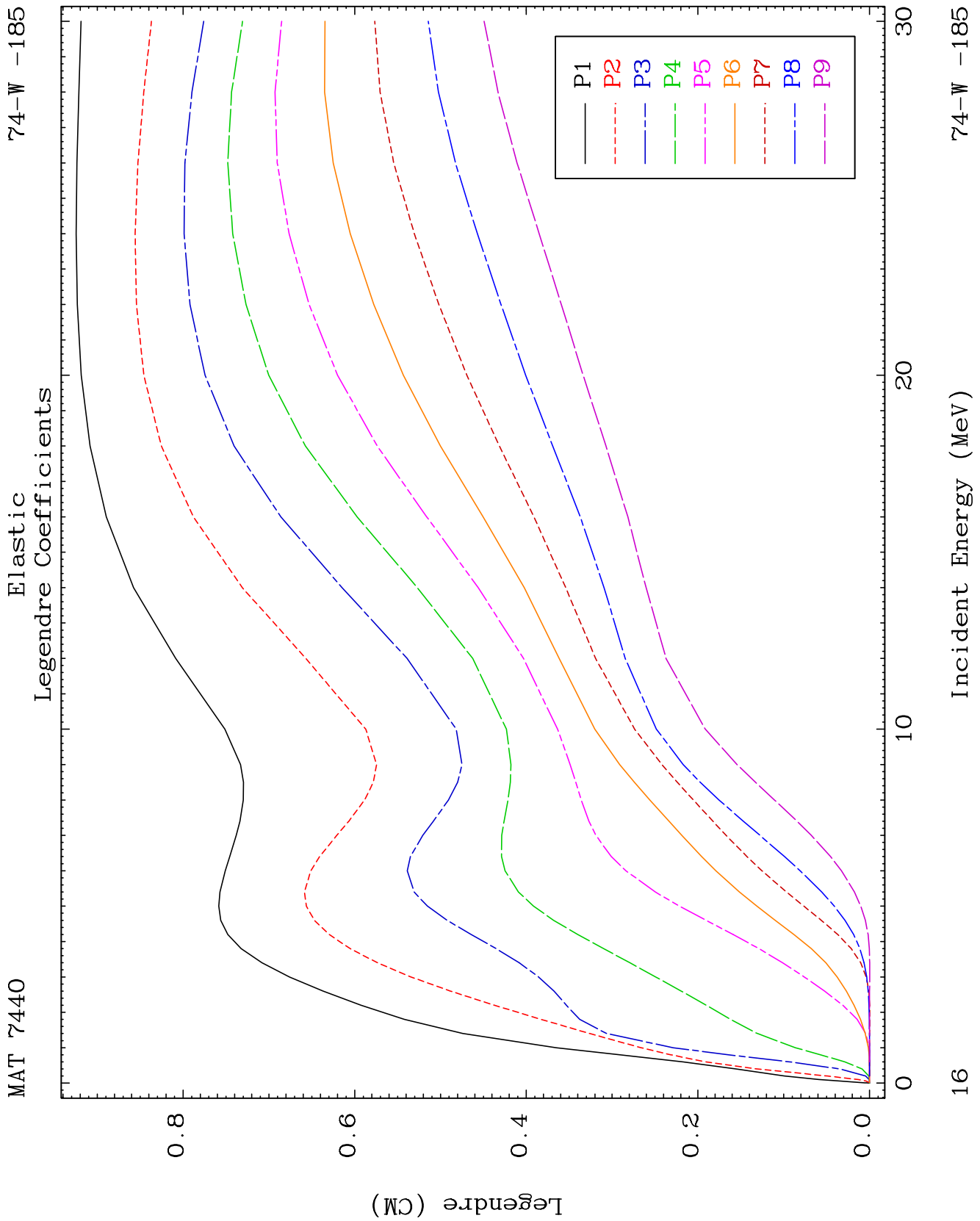
14

Incident Energy (MeV)

74-W -185



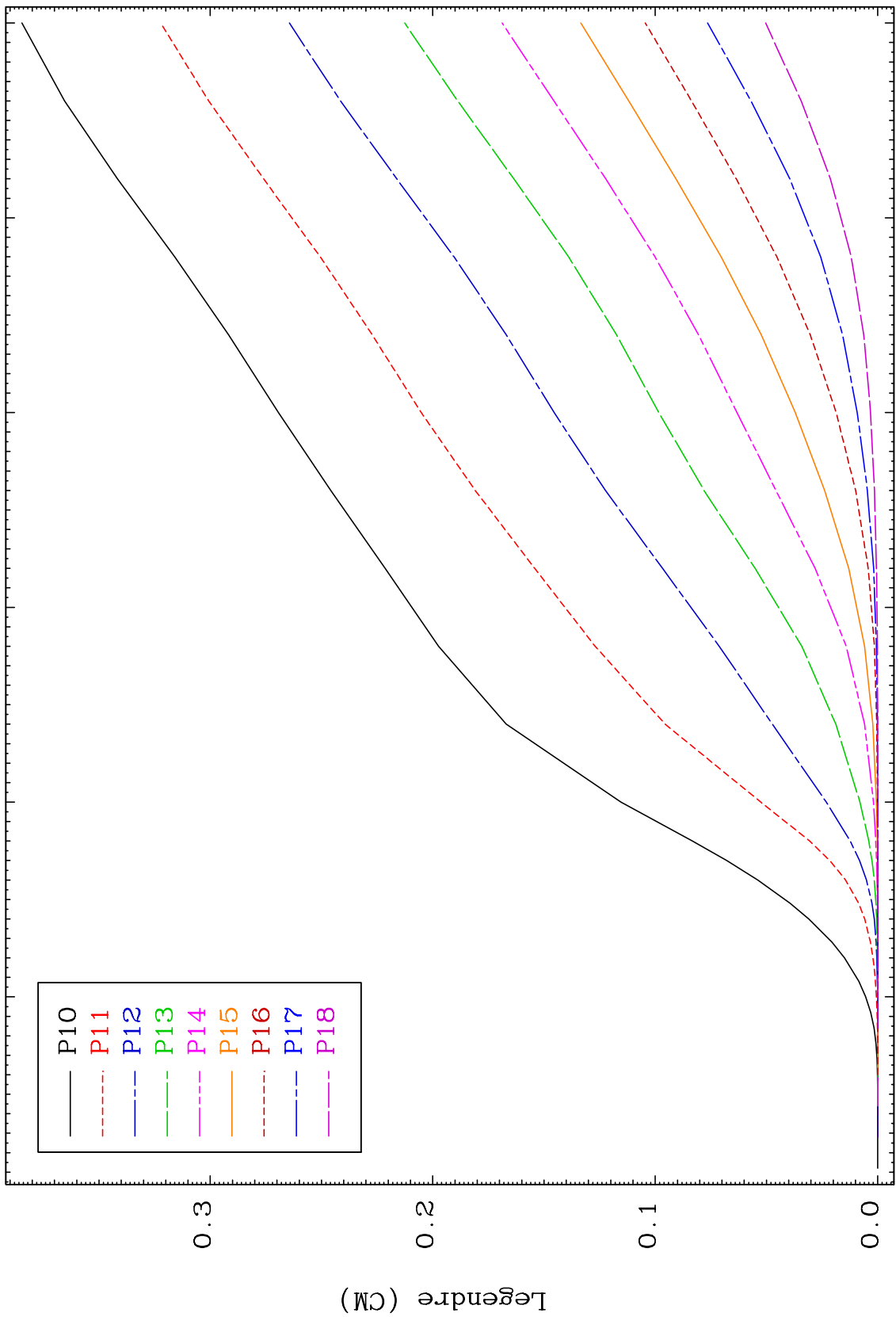




MAT 7440

Elastic Legendre Coefficients

74-W -185



Legendre (CM)

17

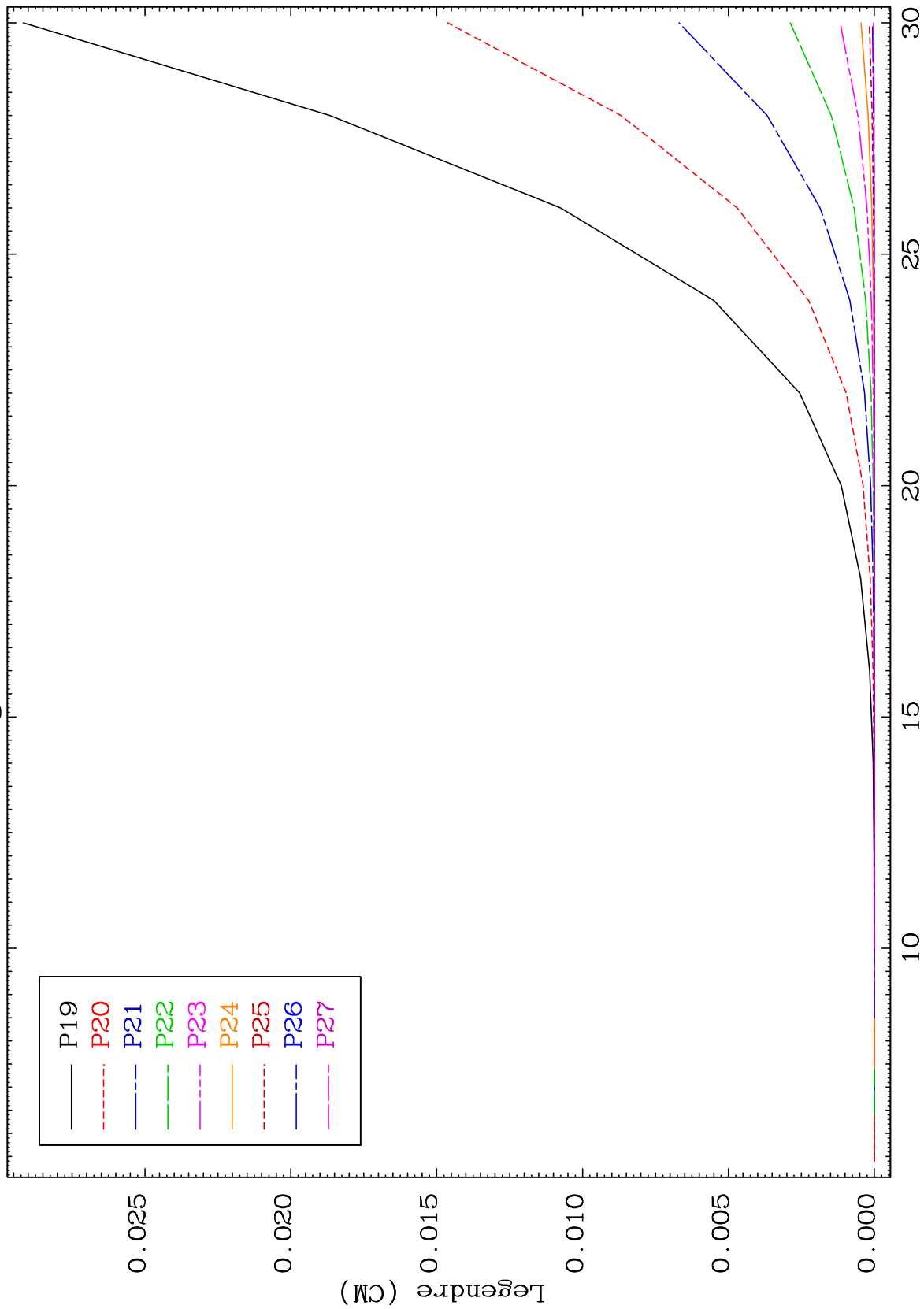
Incident Energy (MeV)

74-W -185

MAT 7440

### Elastic Legendre Coefficients

74-W -185



18

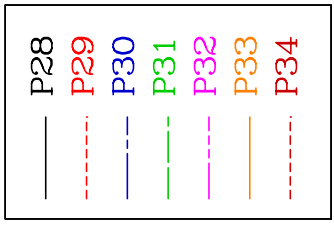
Incident Energy (MeV)

74-W -185

MAT 7440

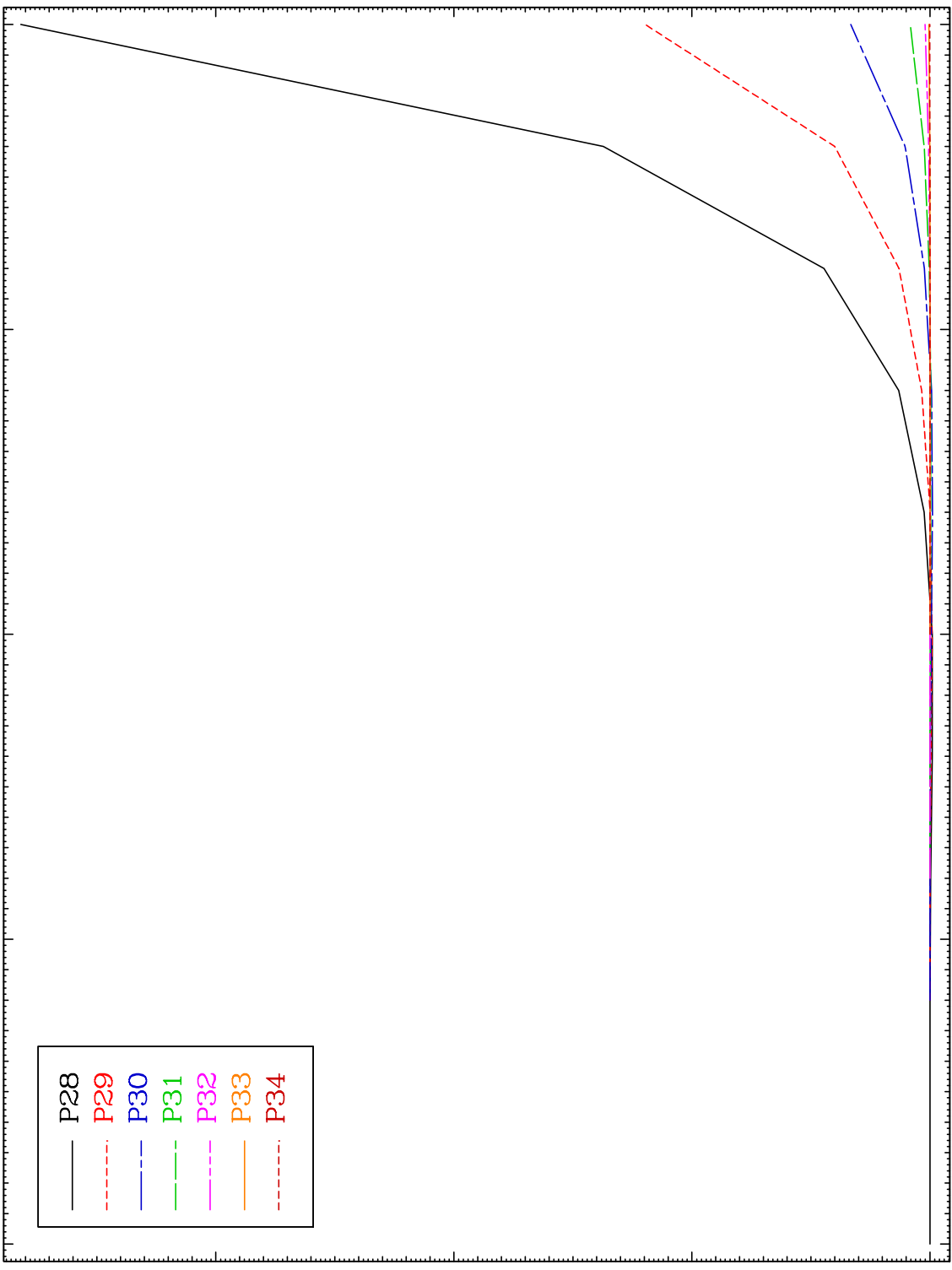
Elastic  
Legendre Coefficients

74-W -185



$\times 10^{-6}$

Legendre (CM)



30

25

20

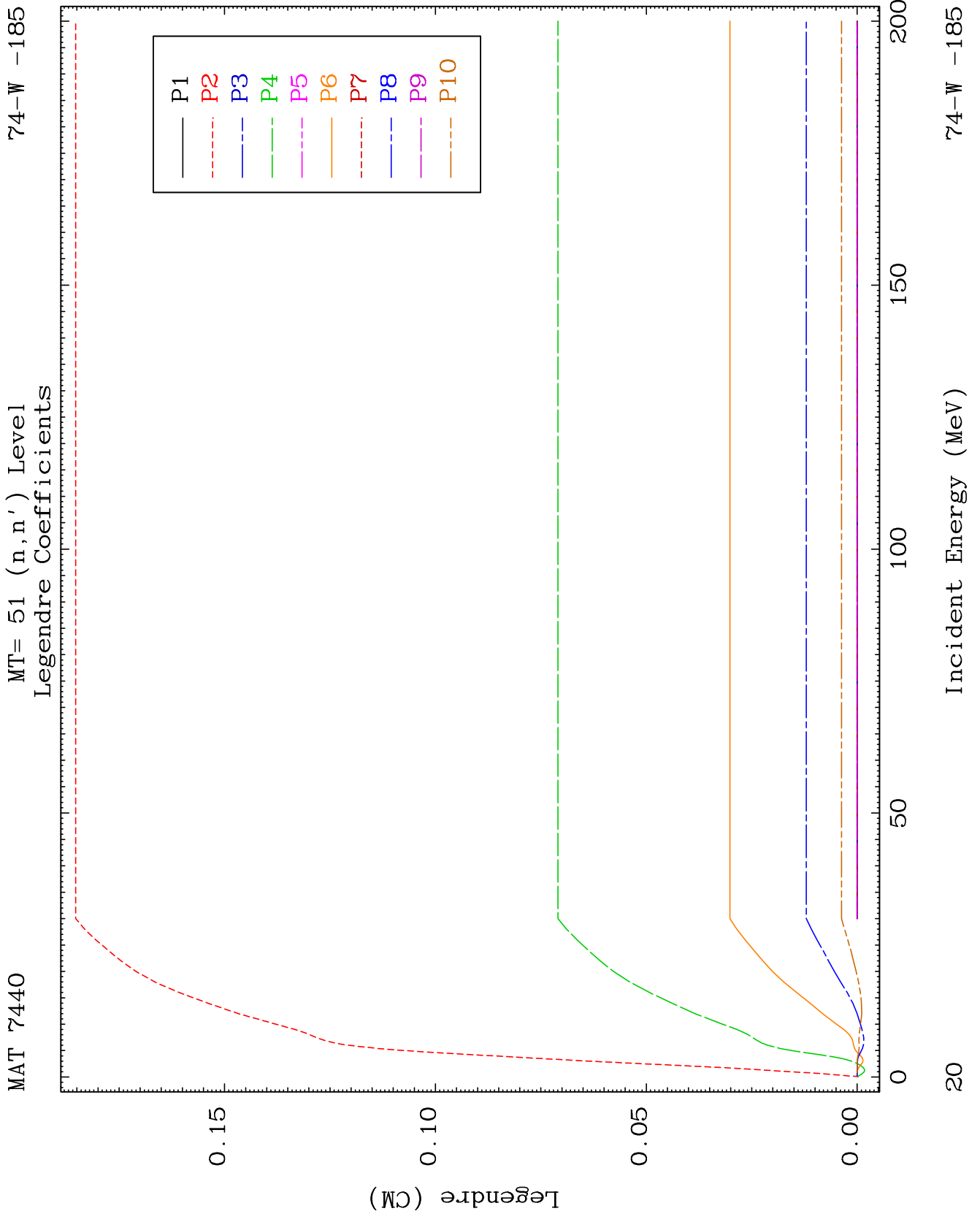
15

10

Incident Energy (MeV)

74-W -185

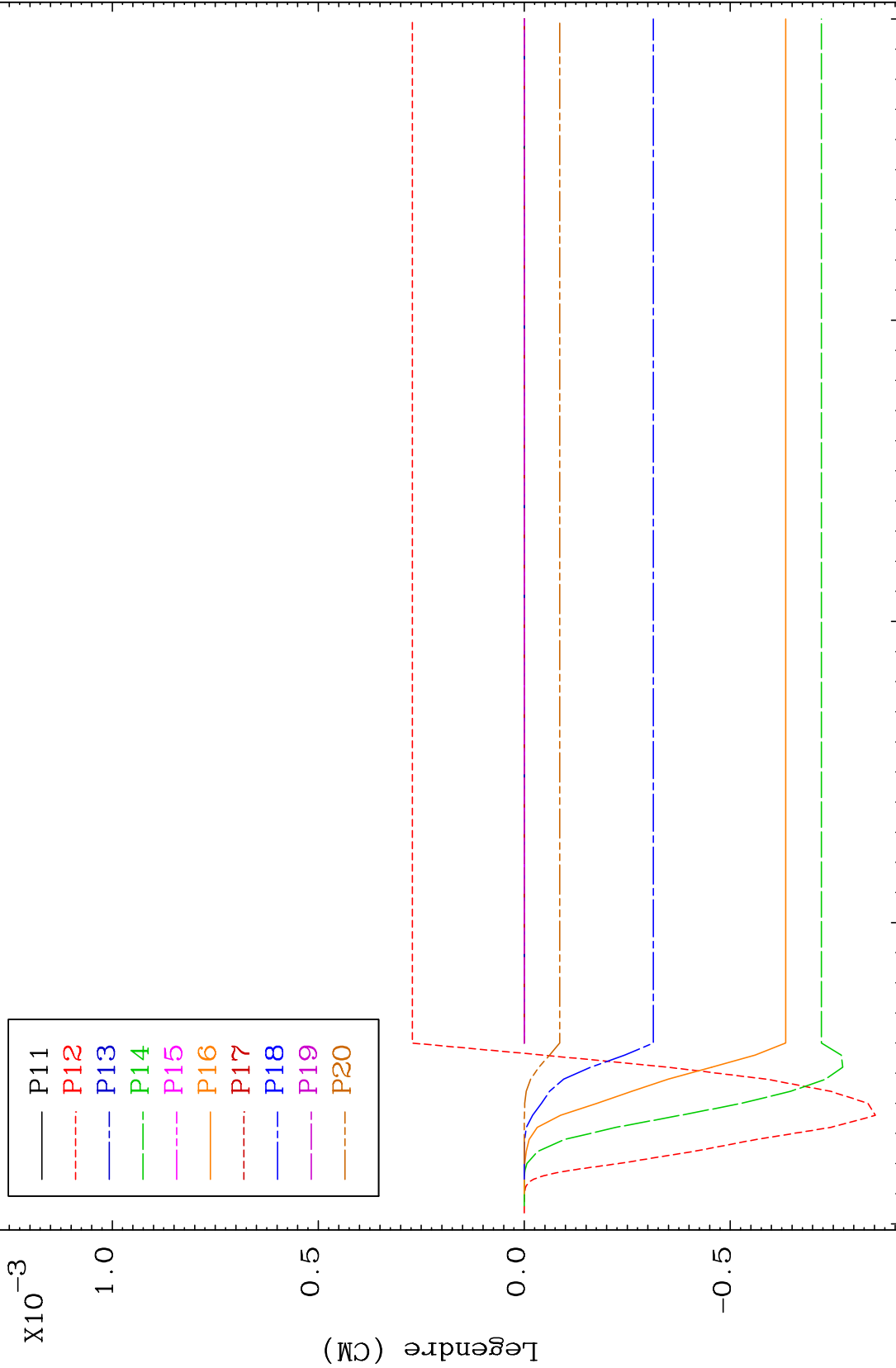
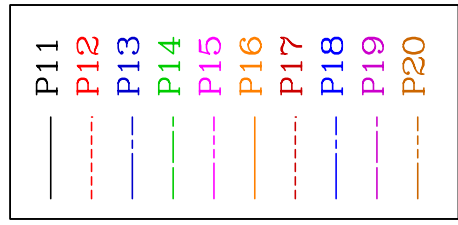
19



MAT 7440

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

74-W -185

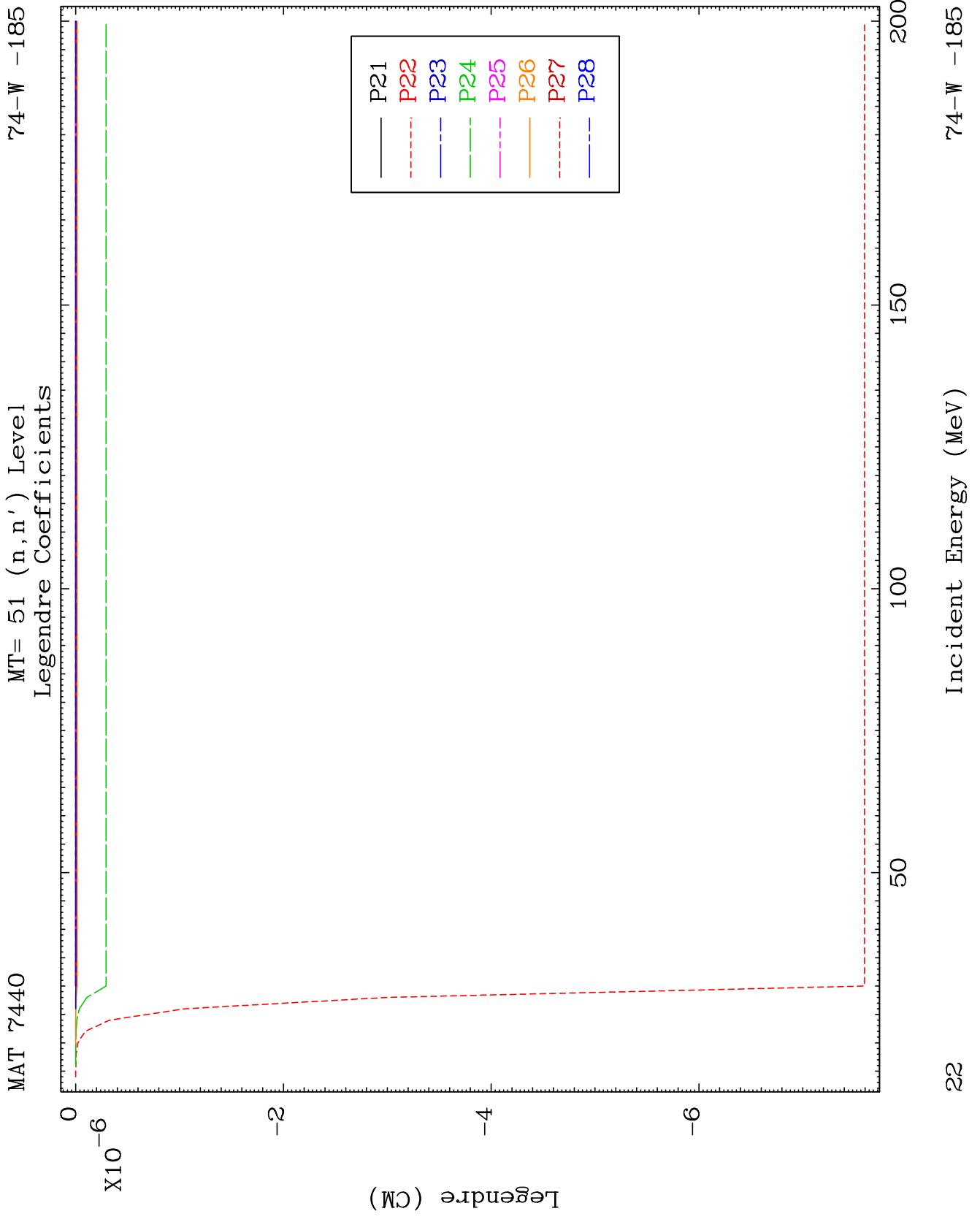


0 50 100 150 200

Incident Energy (MeV)

74-W -185

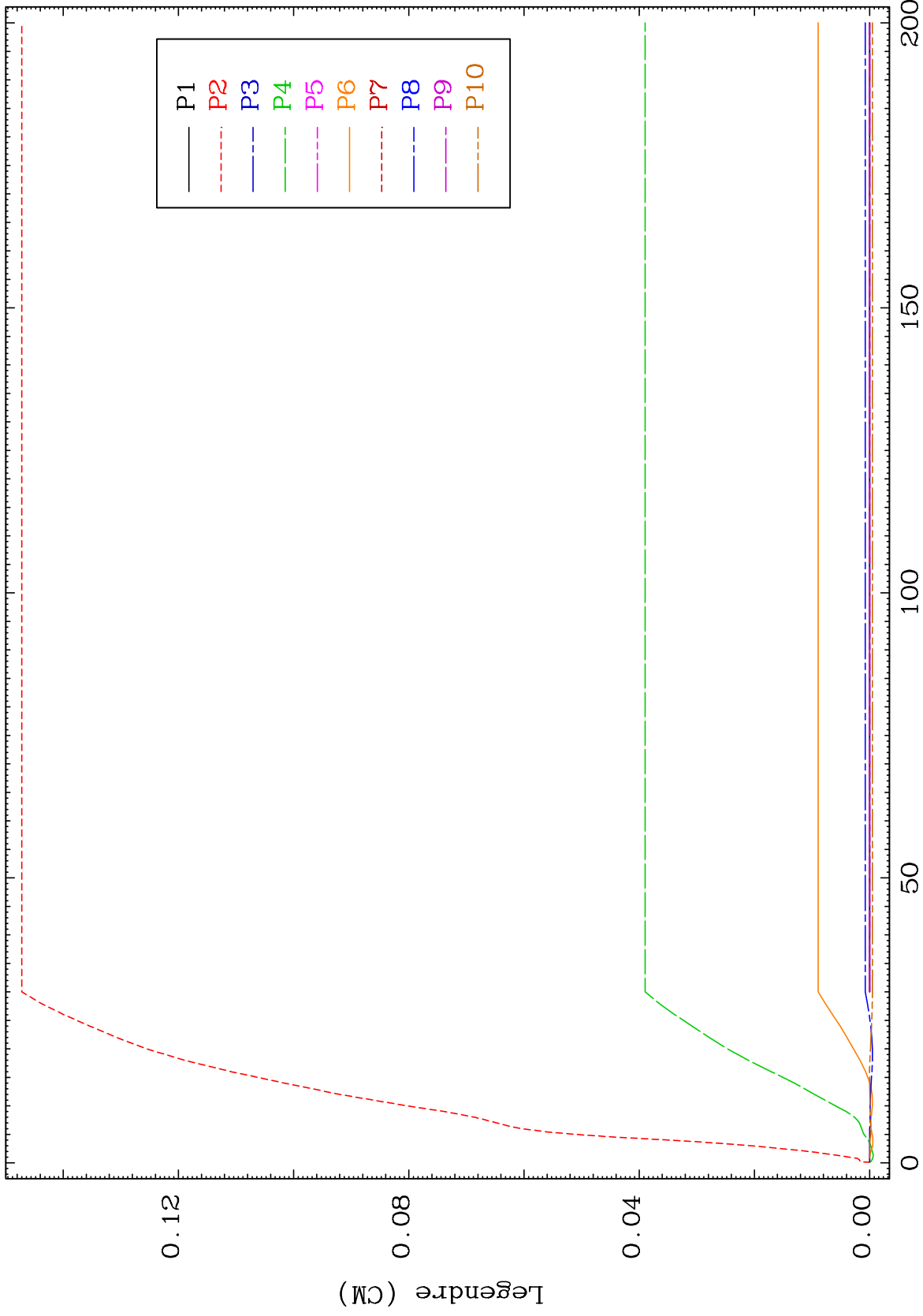
21



MAT 7440

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

74-W -185

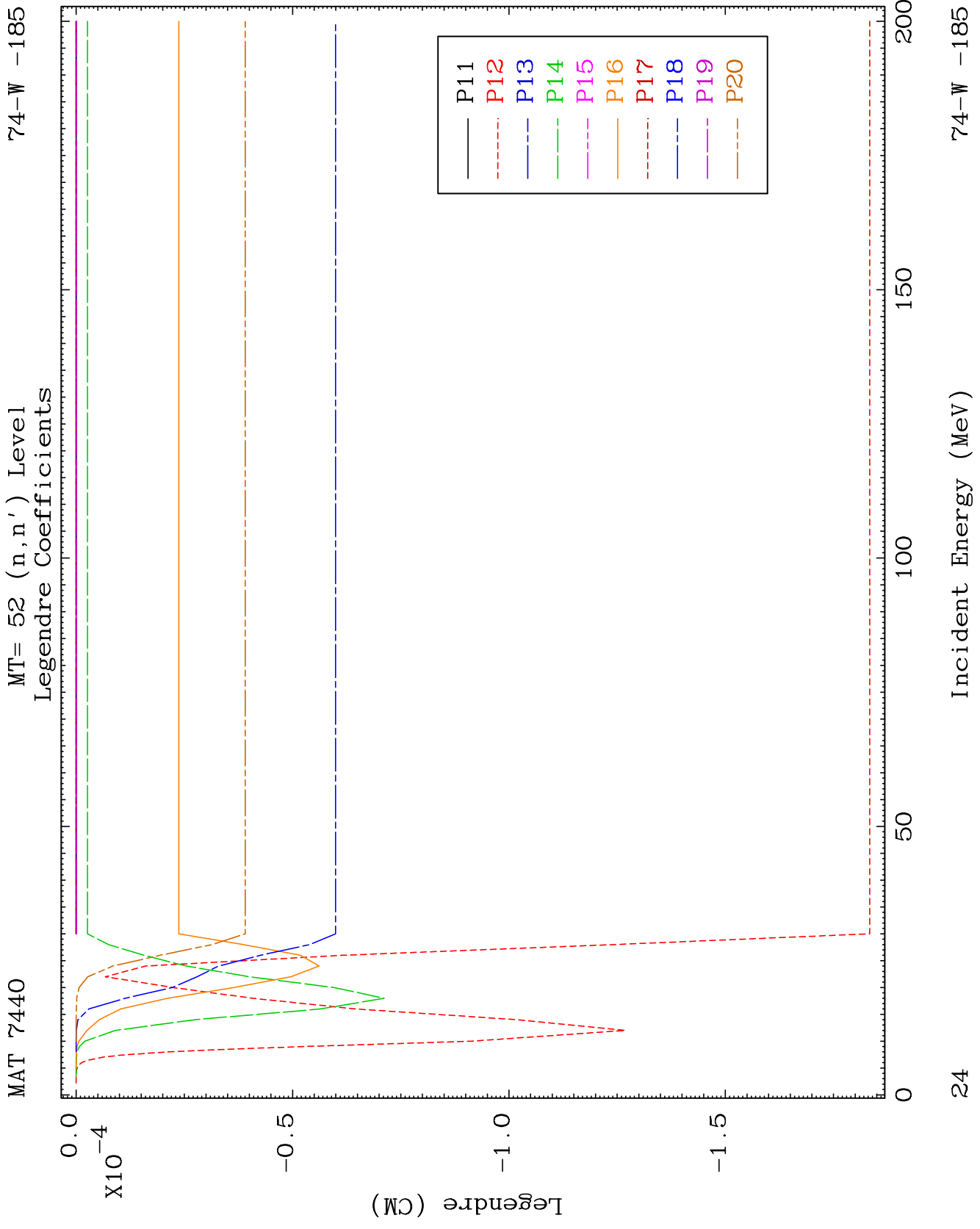


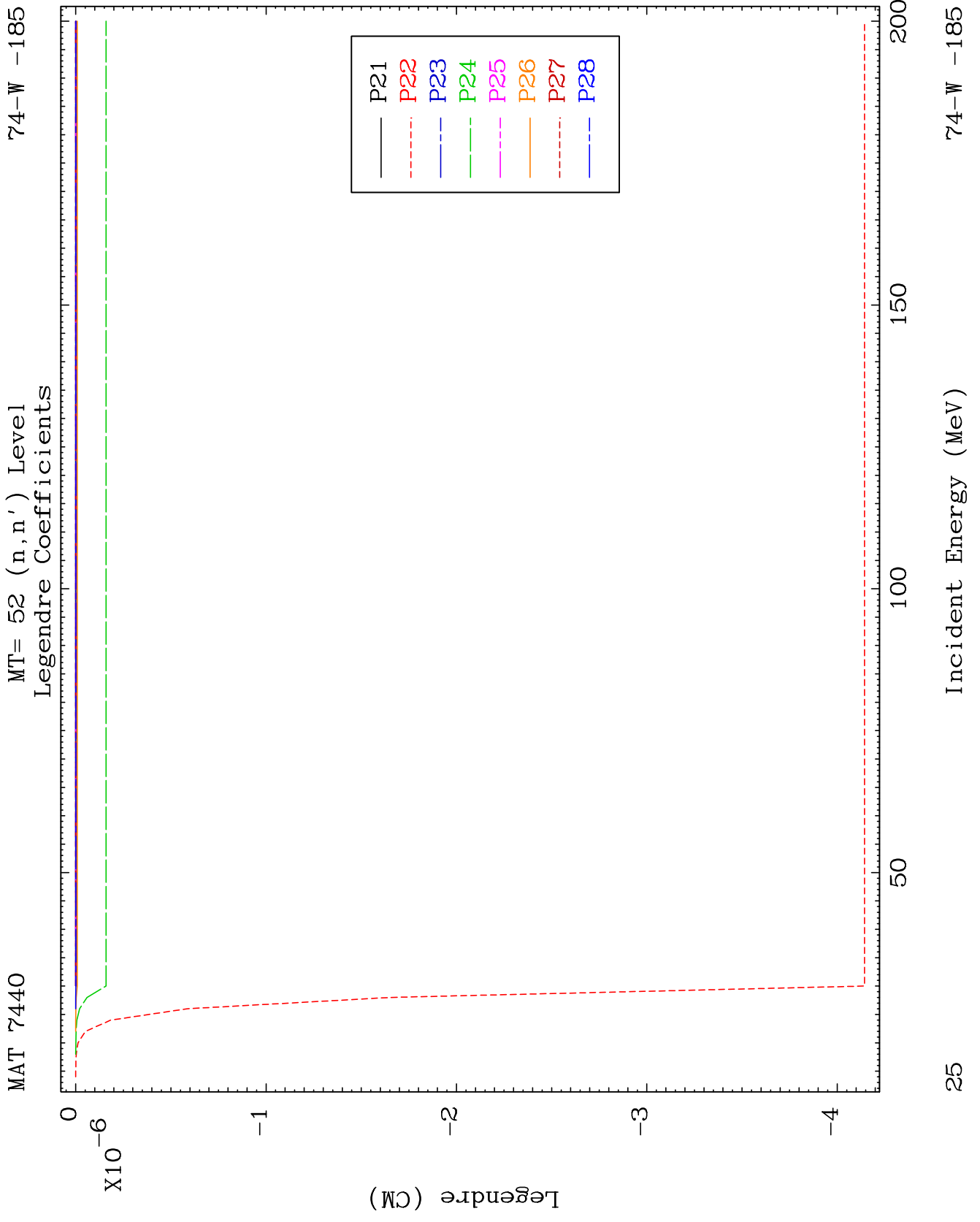
23

Incident Energy (MeV)

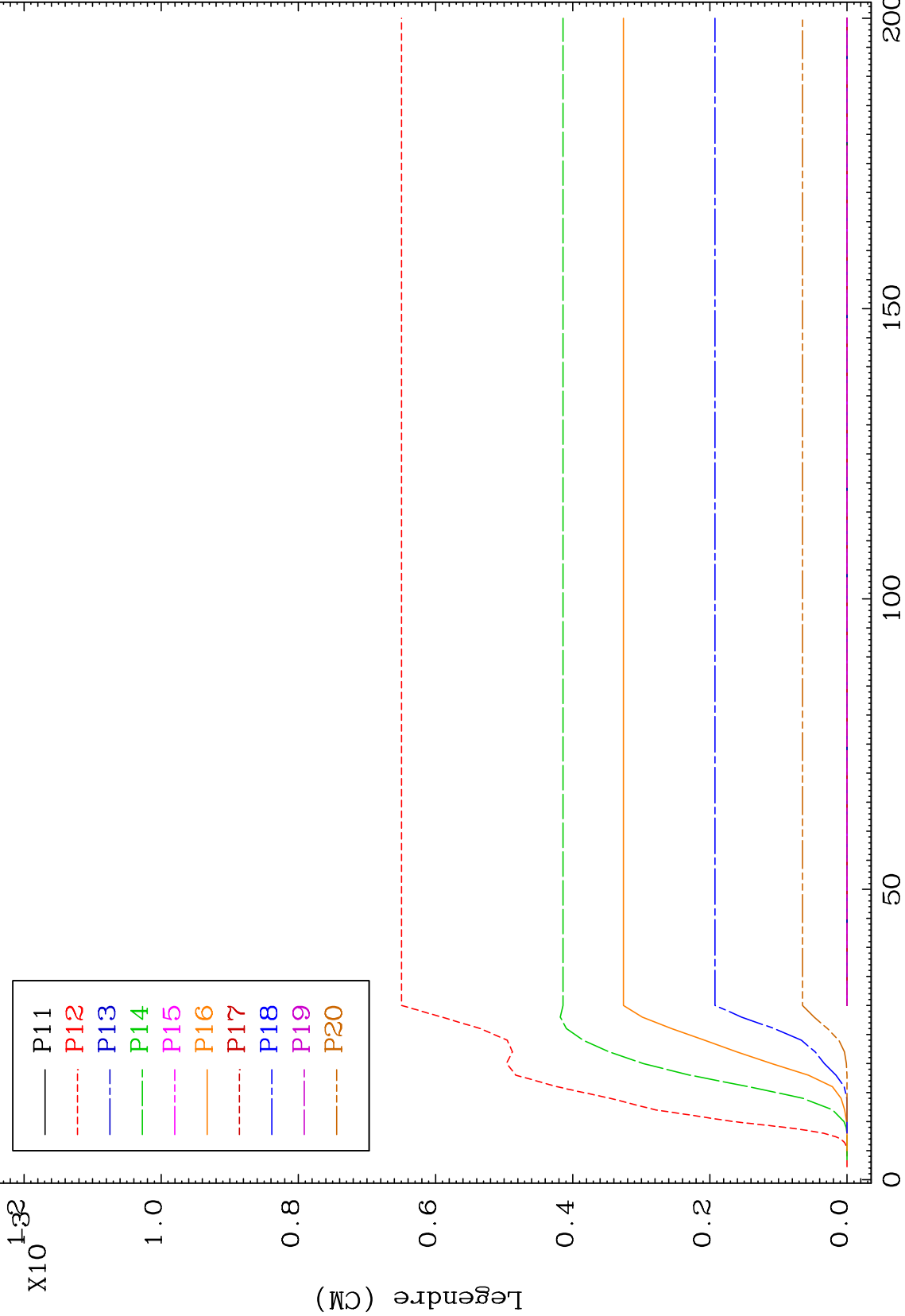
74-W -185

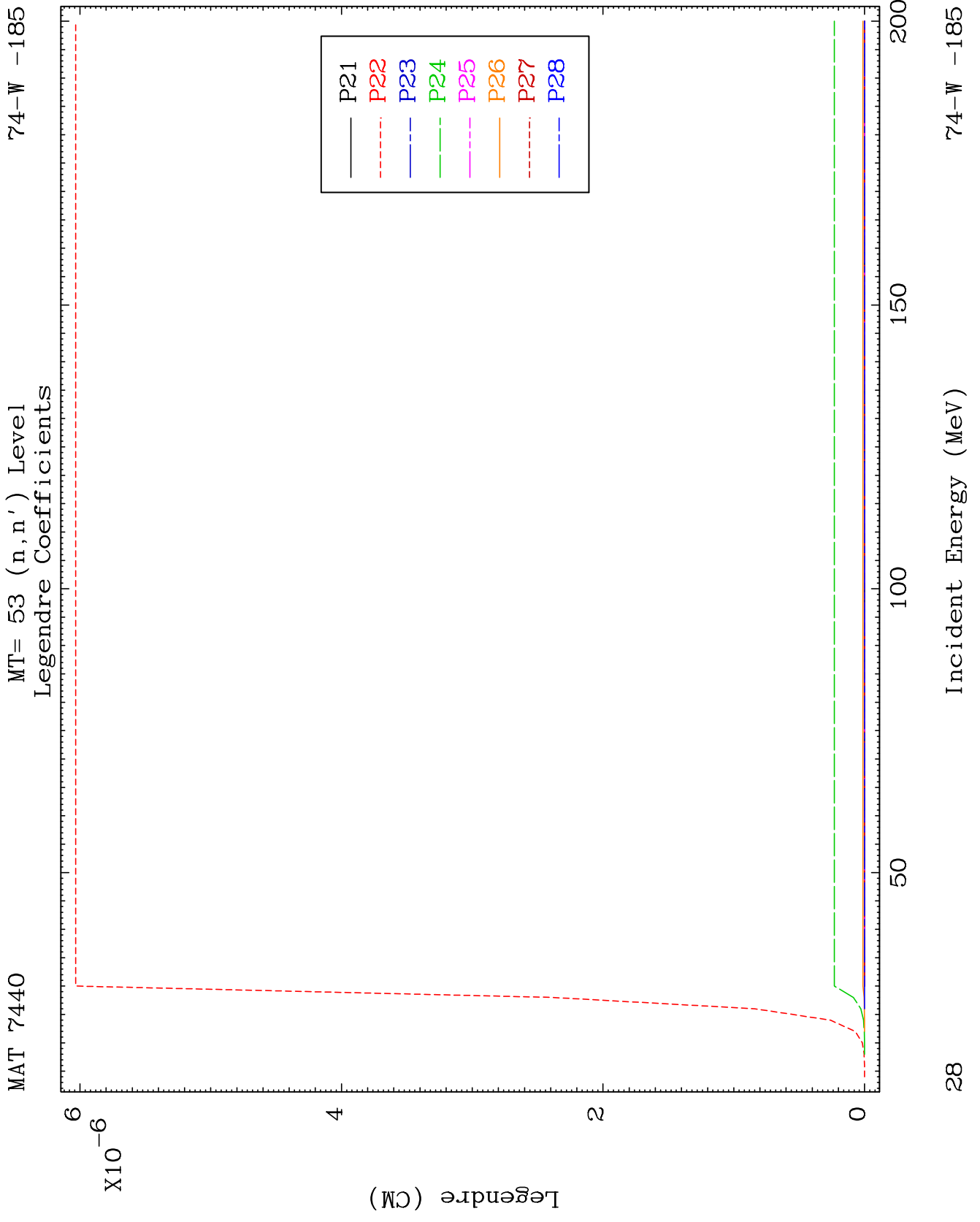


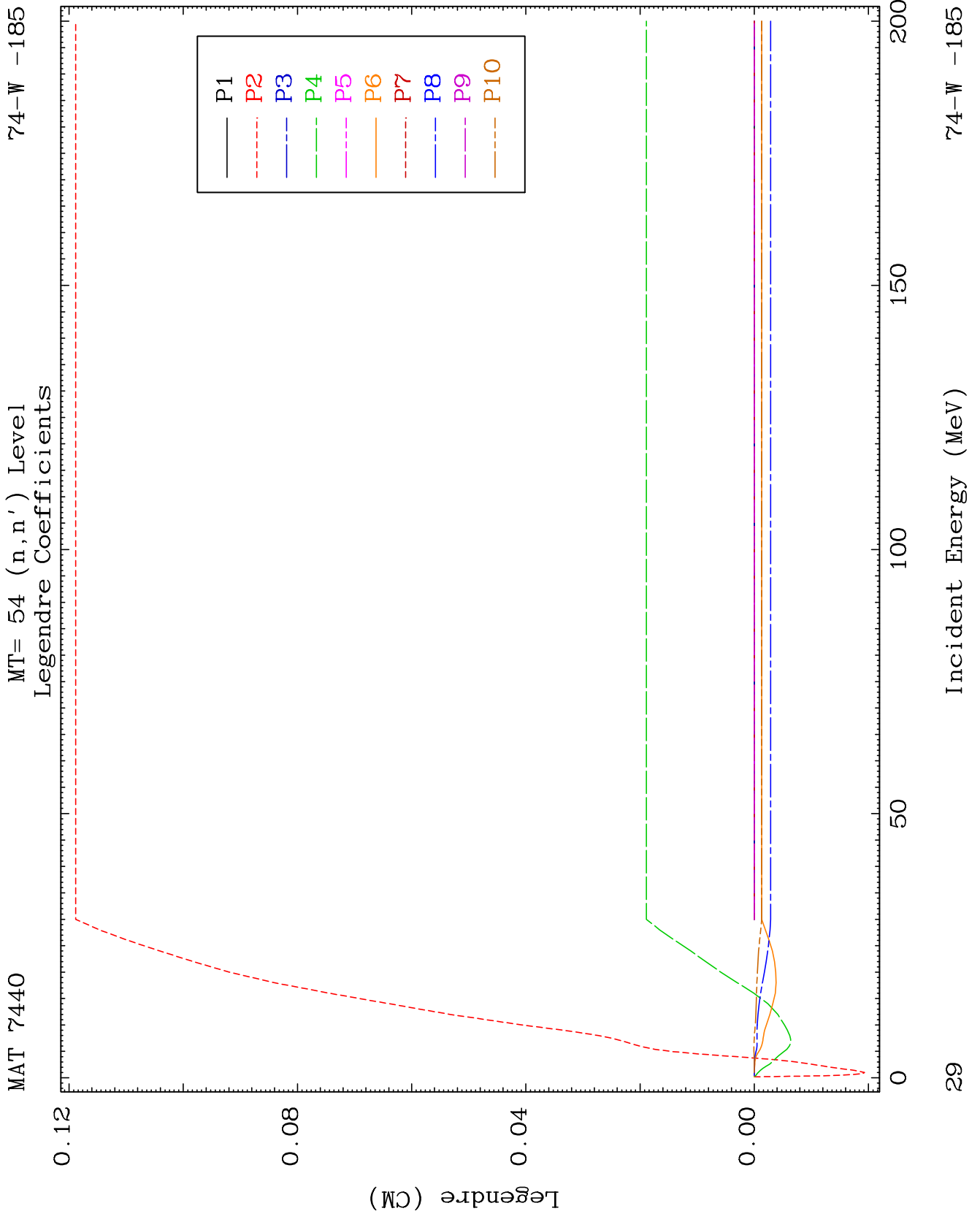


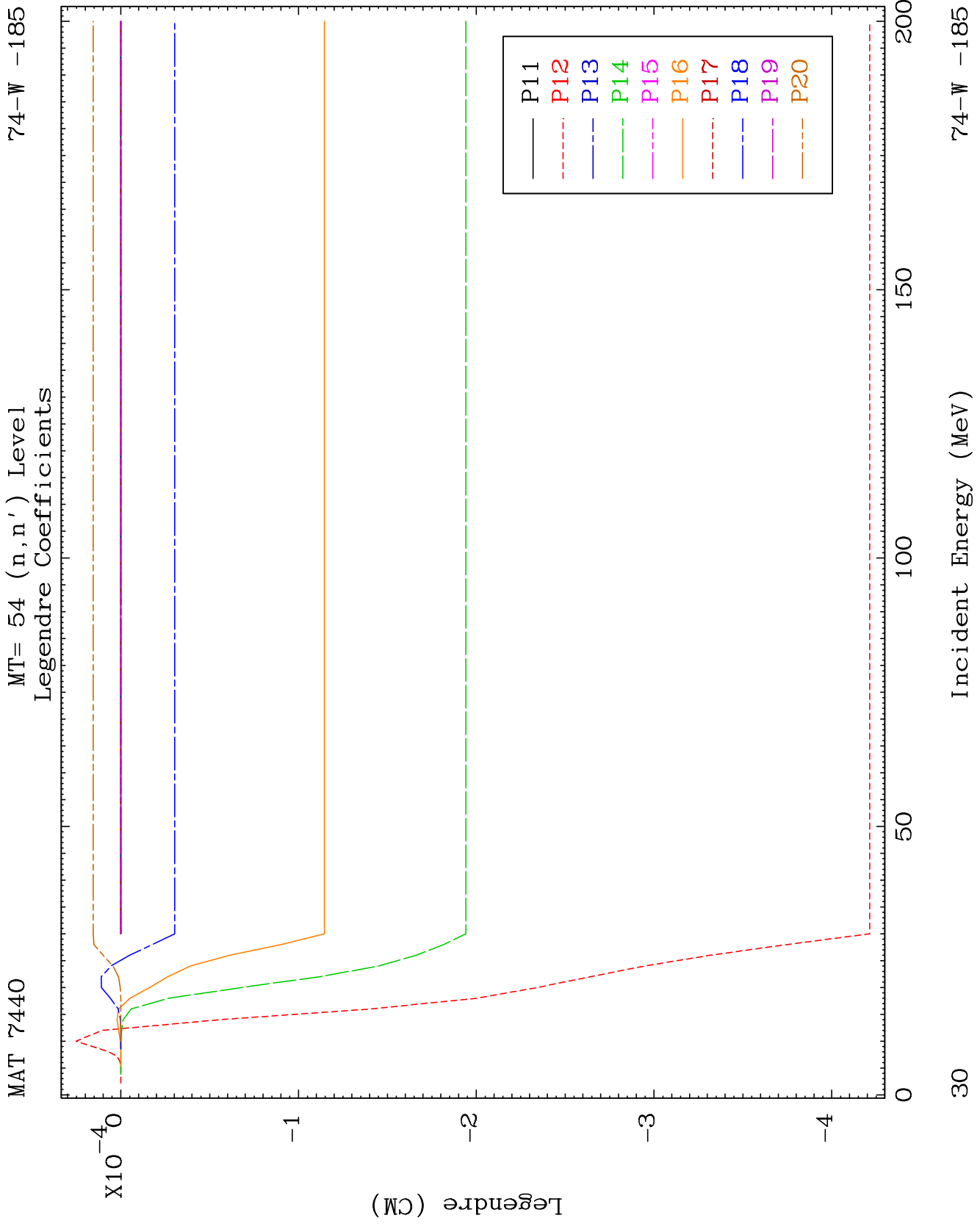


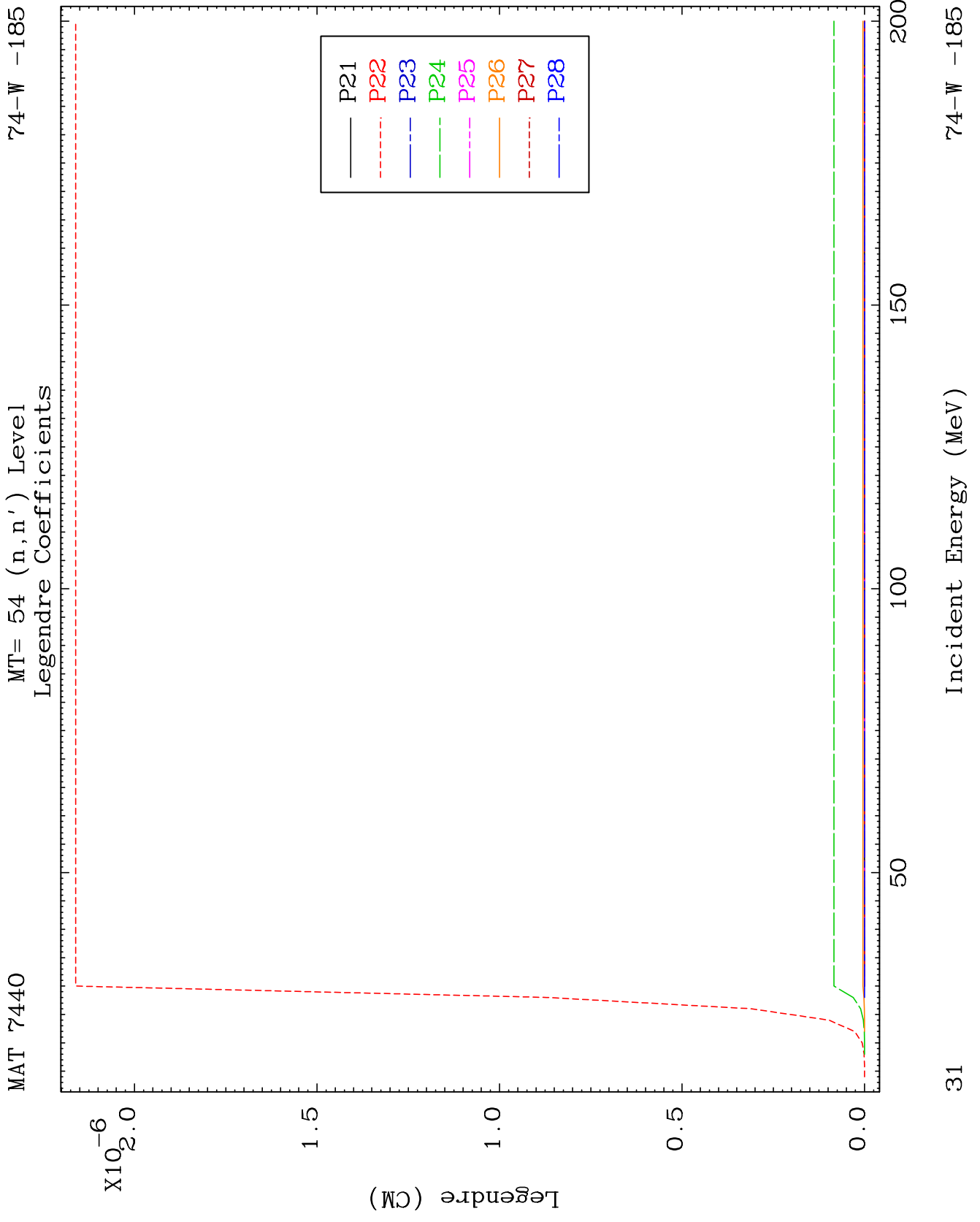




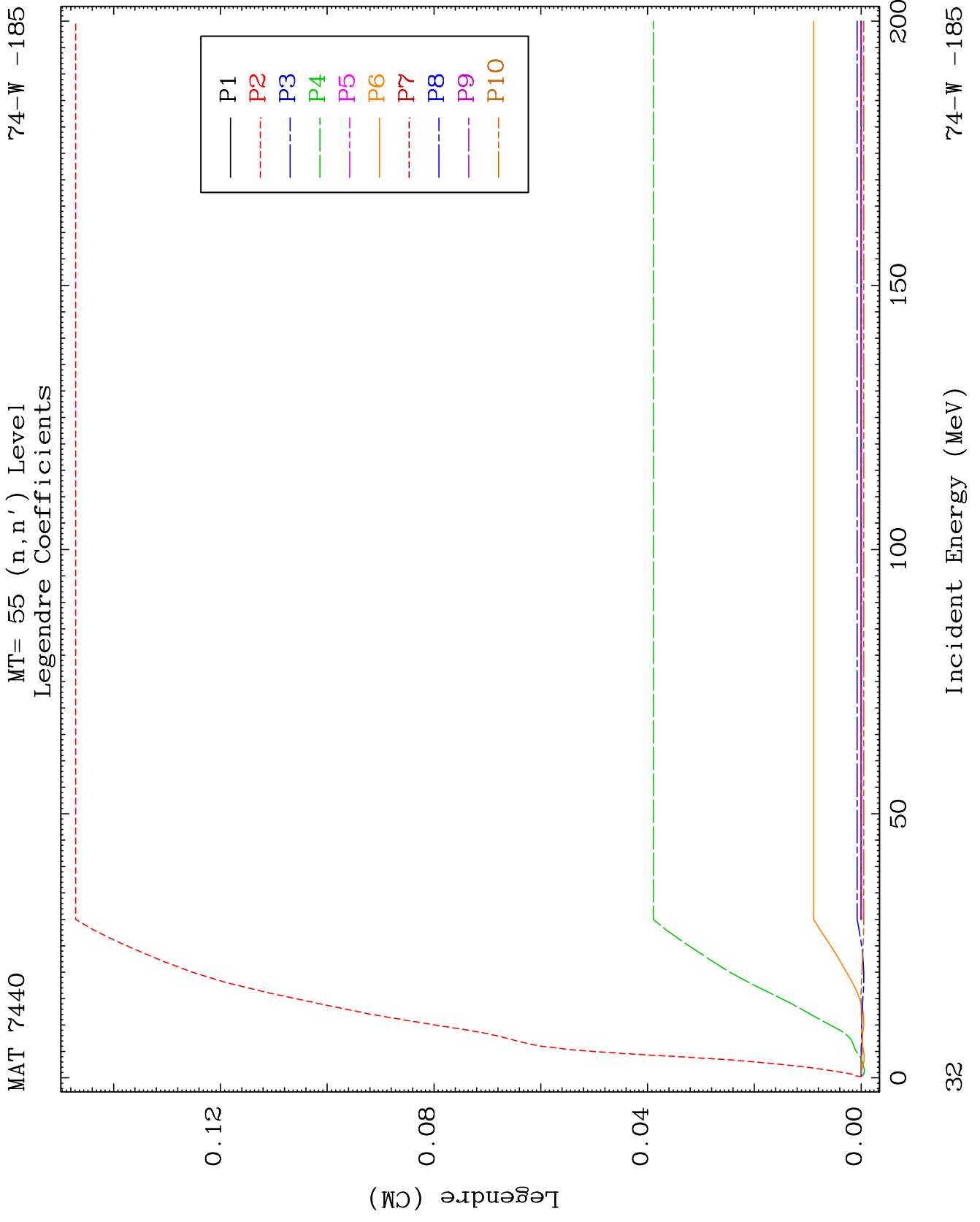








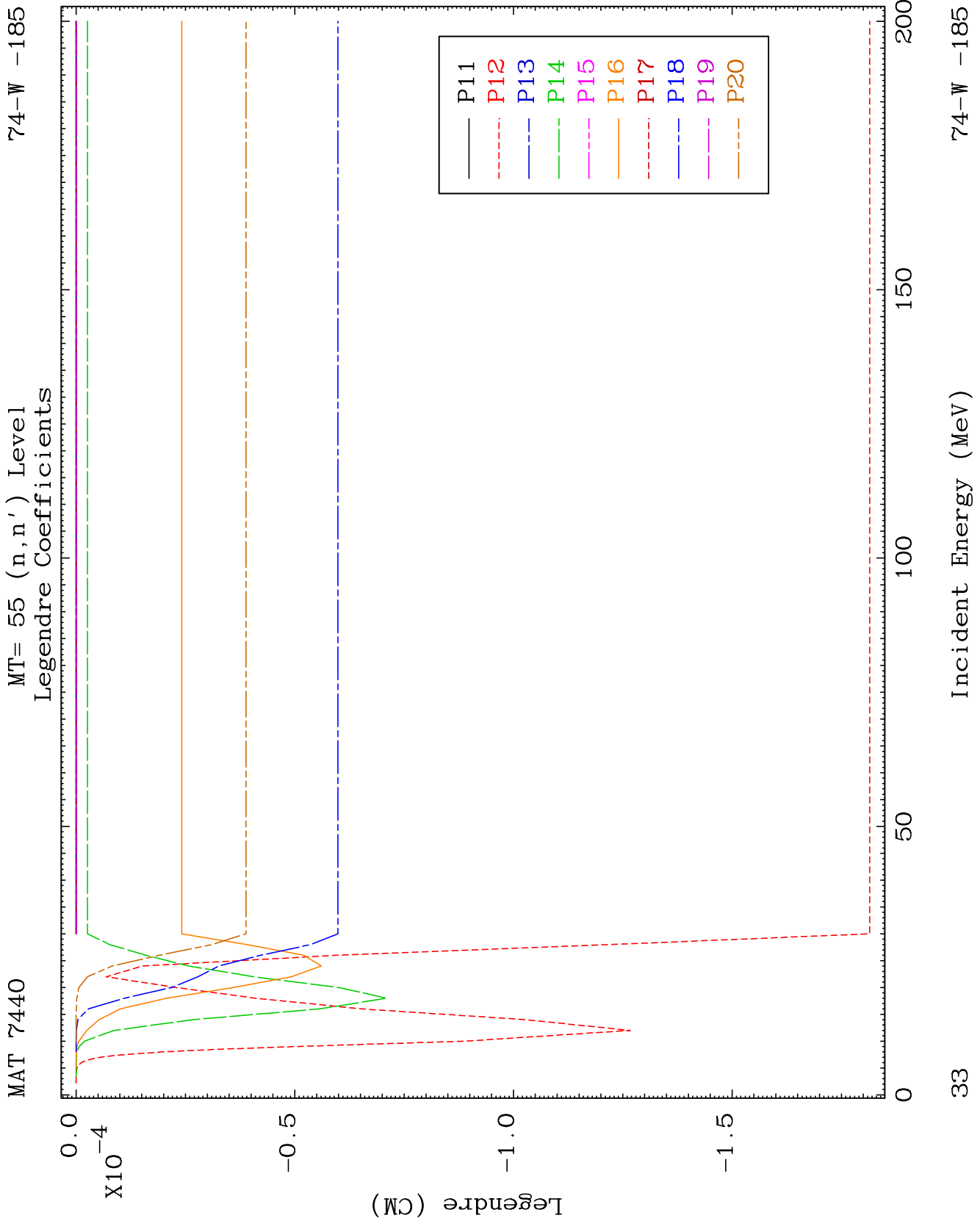


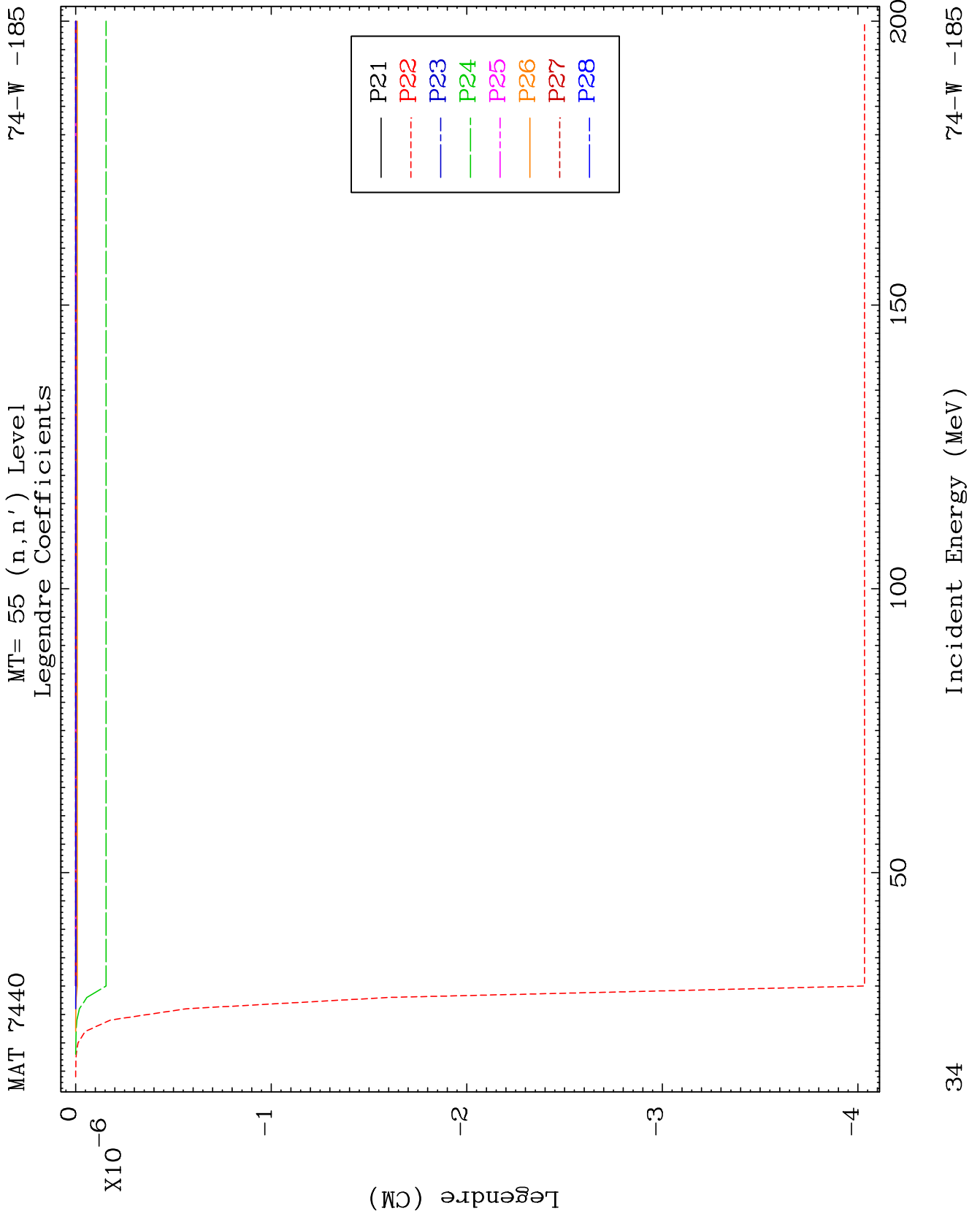


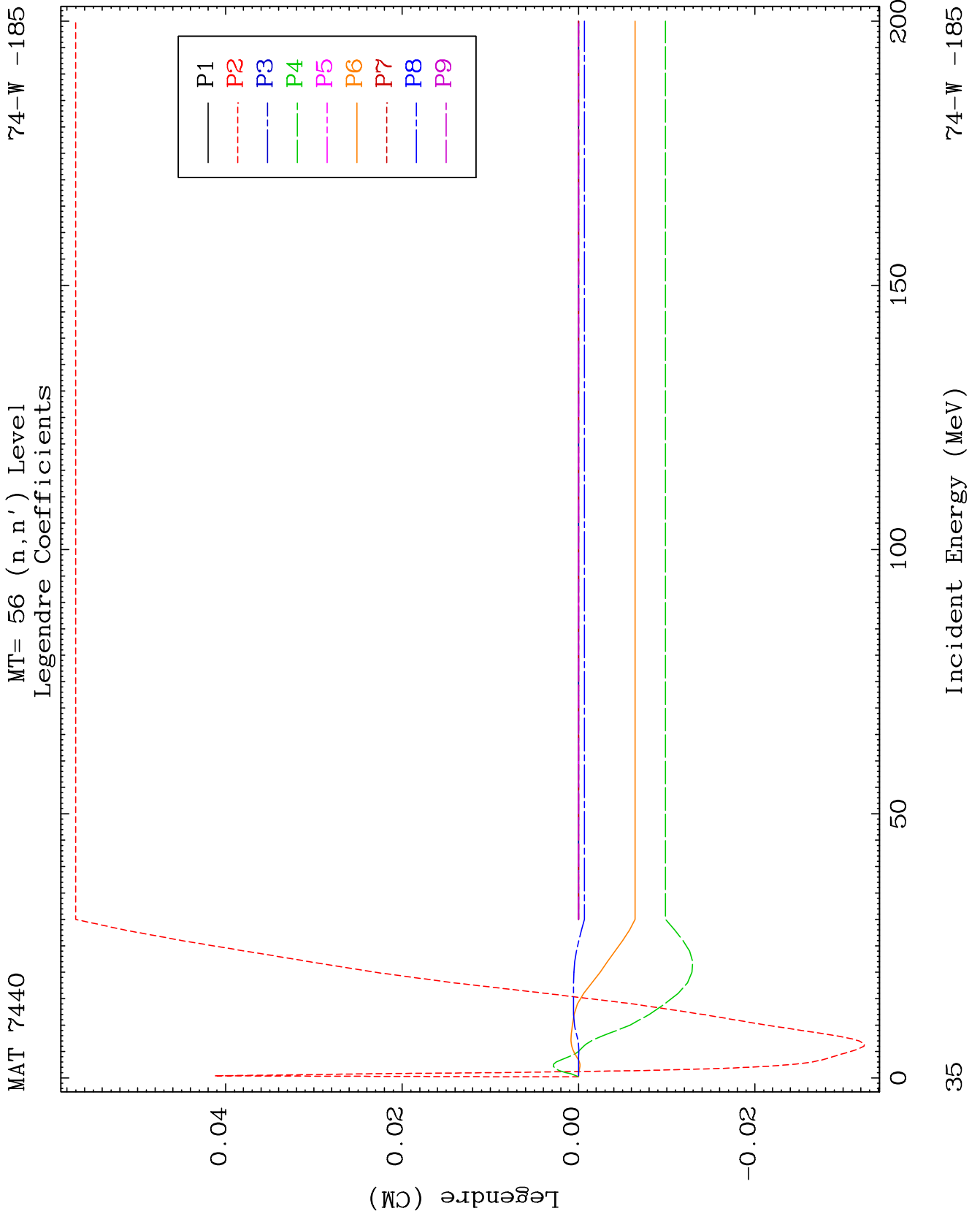
74-W -185

Incident Energy (MeV)

32



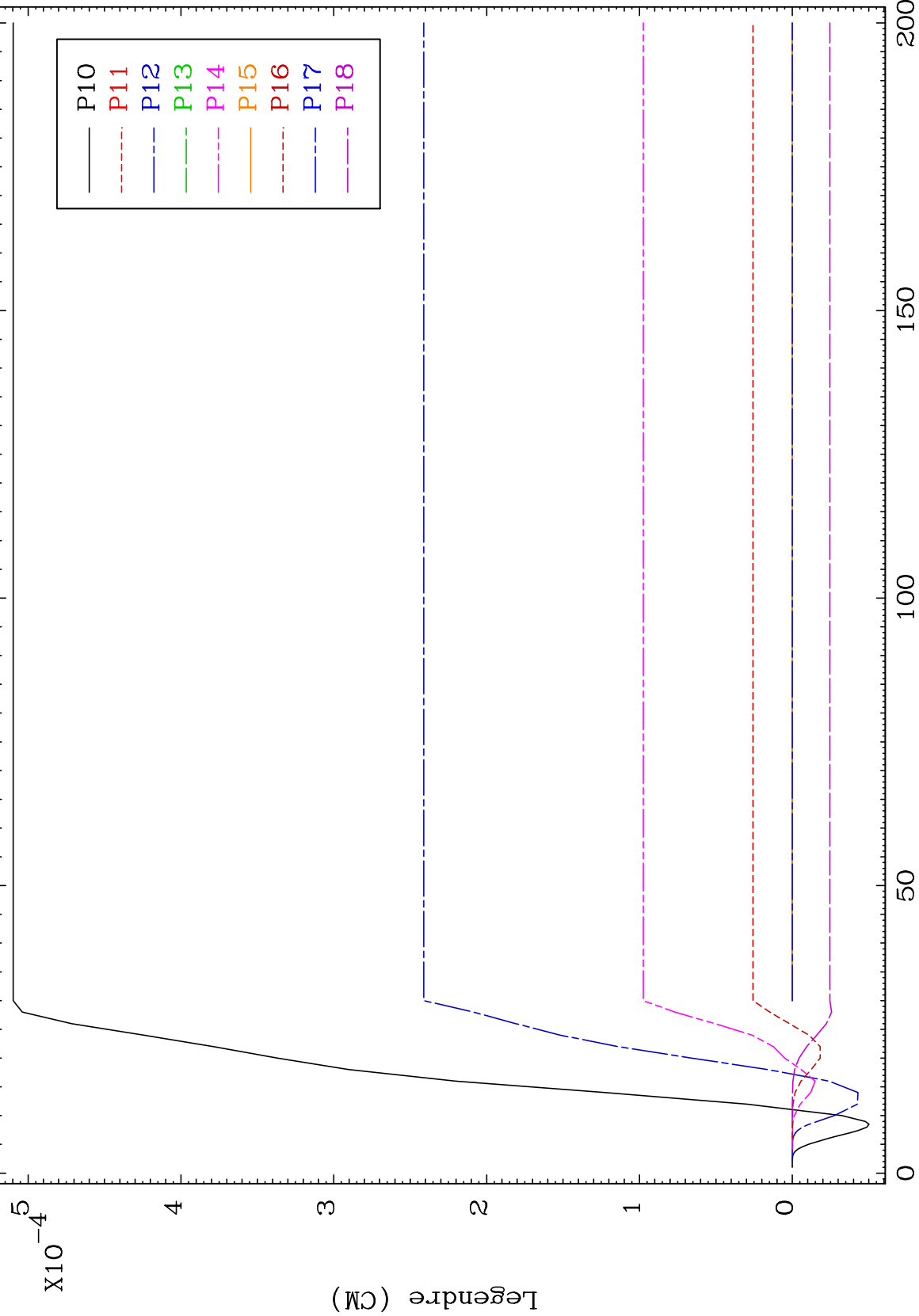




MAT 7440

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

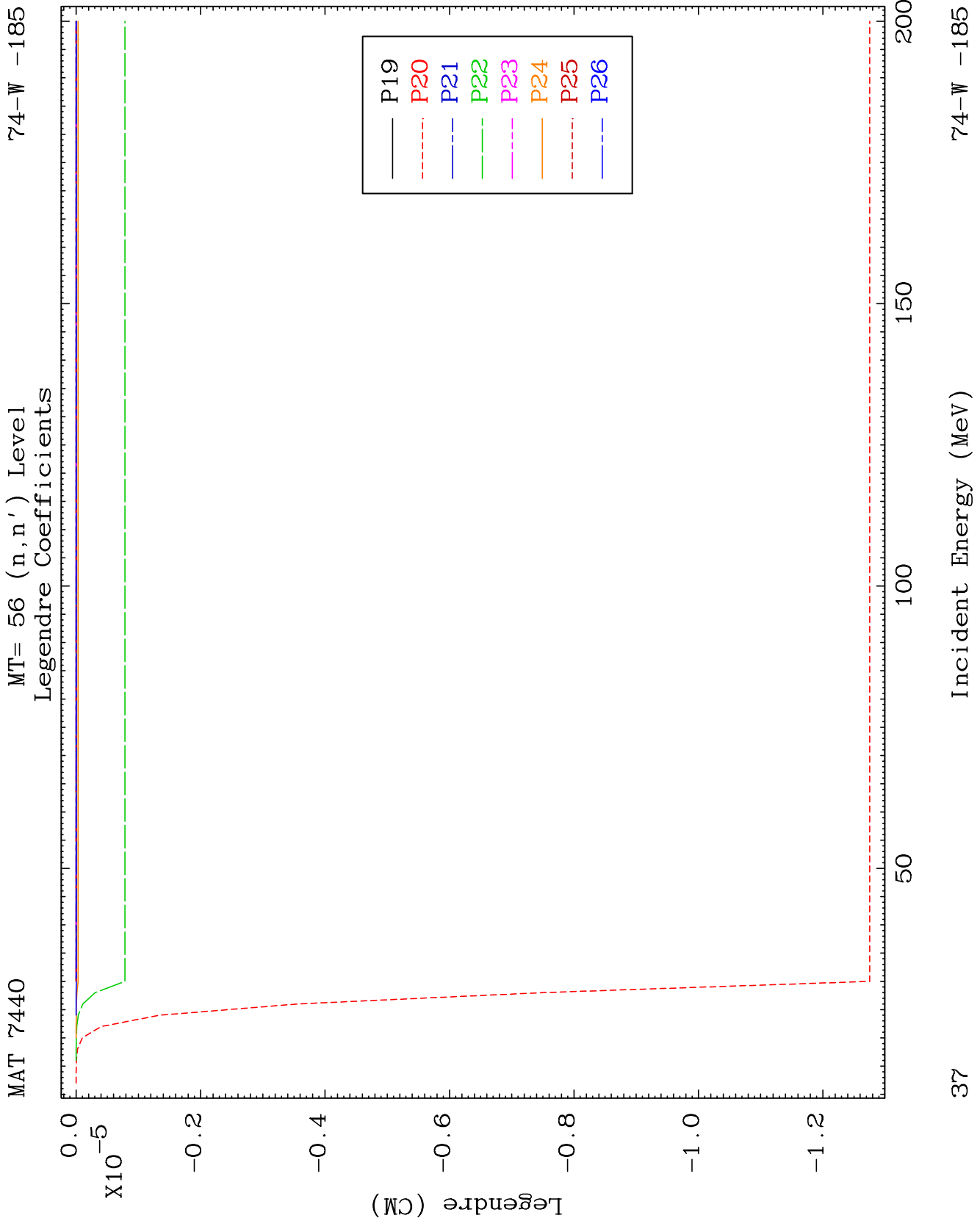
74-W -185

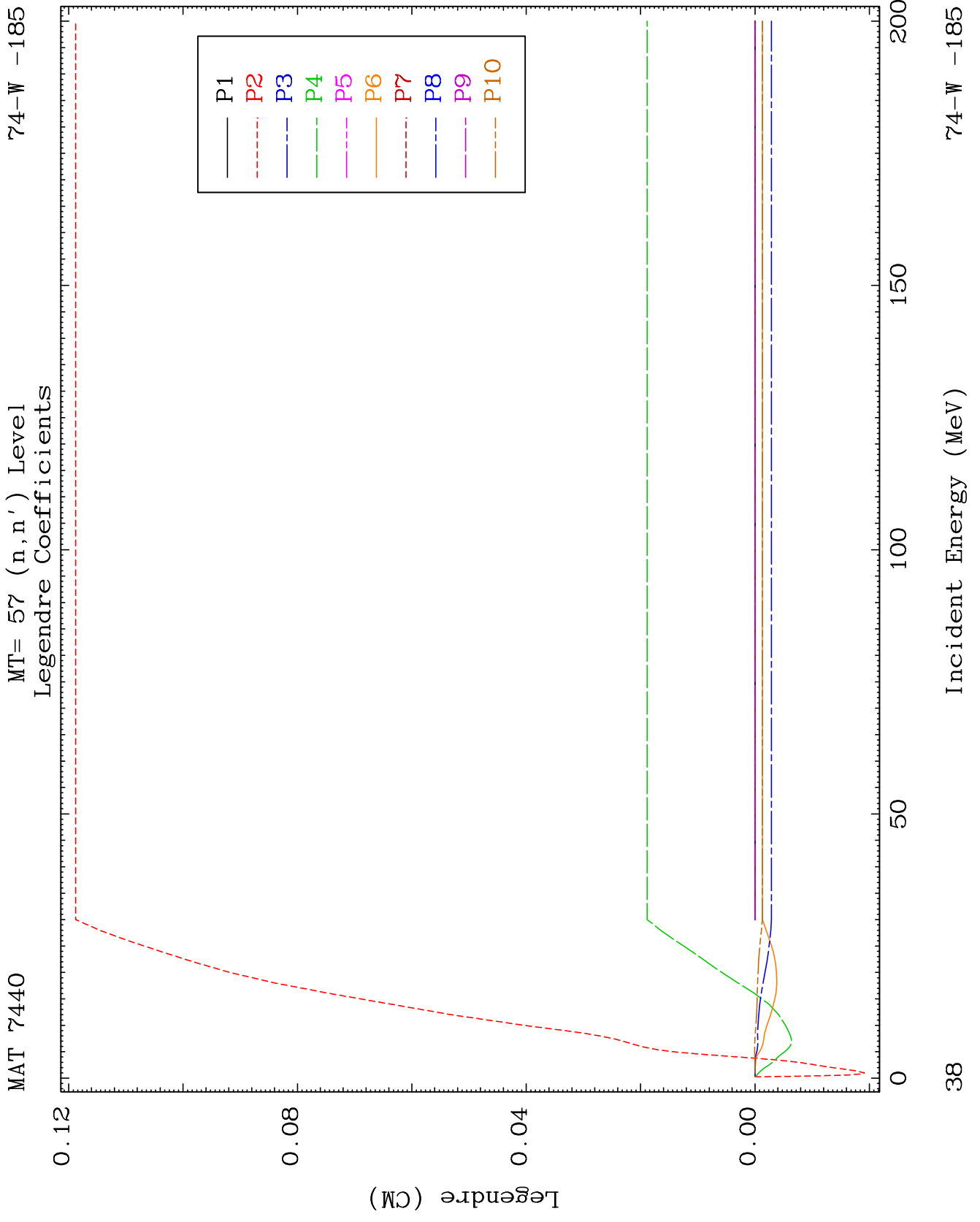


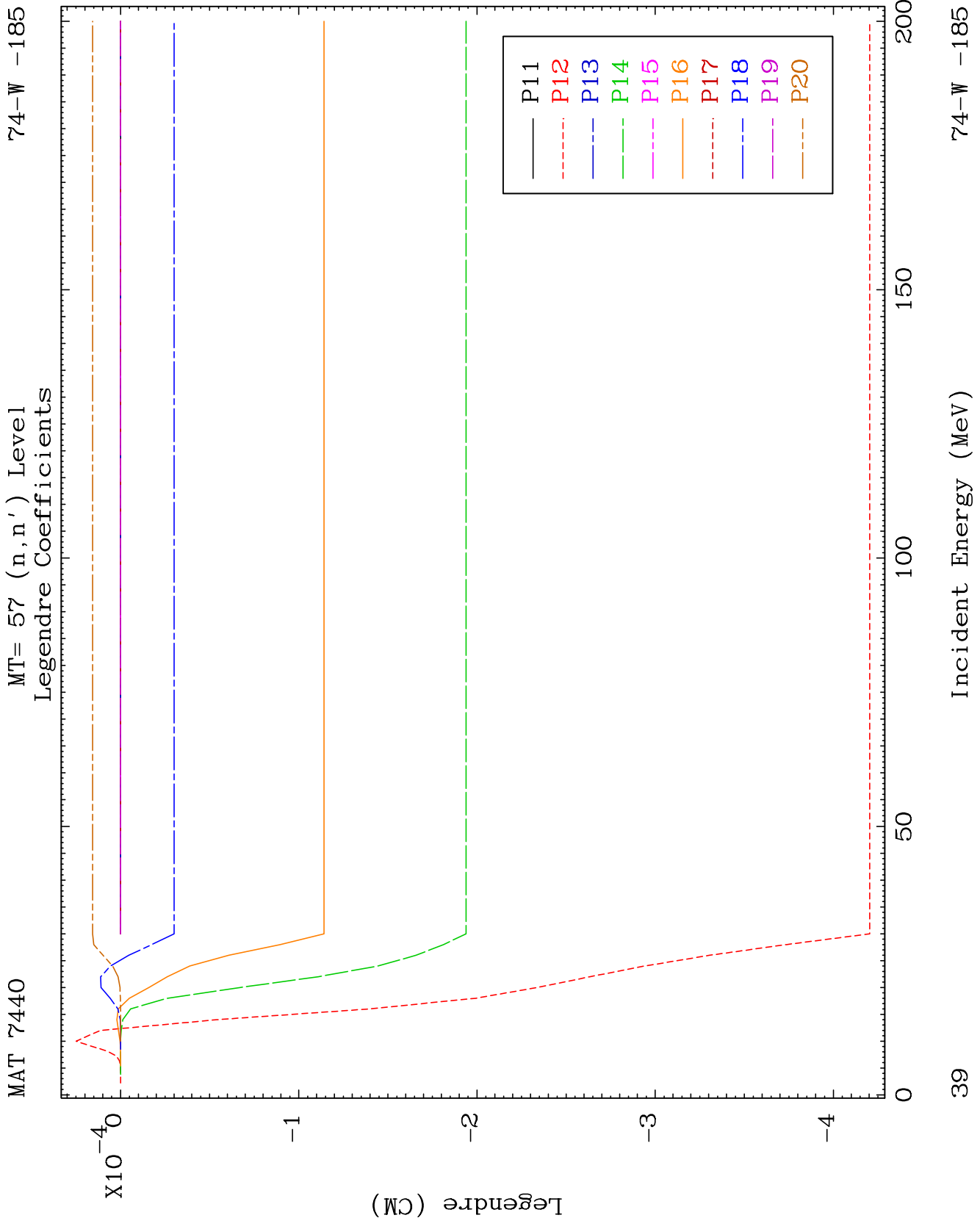
36

Incident Energy (MeV)

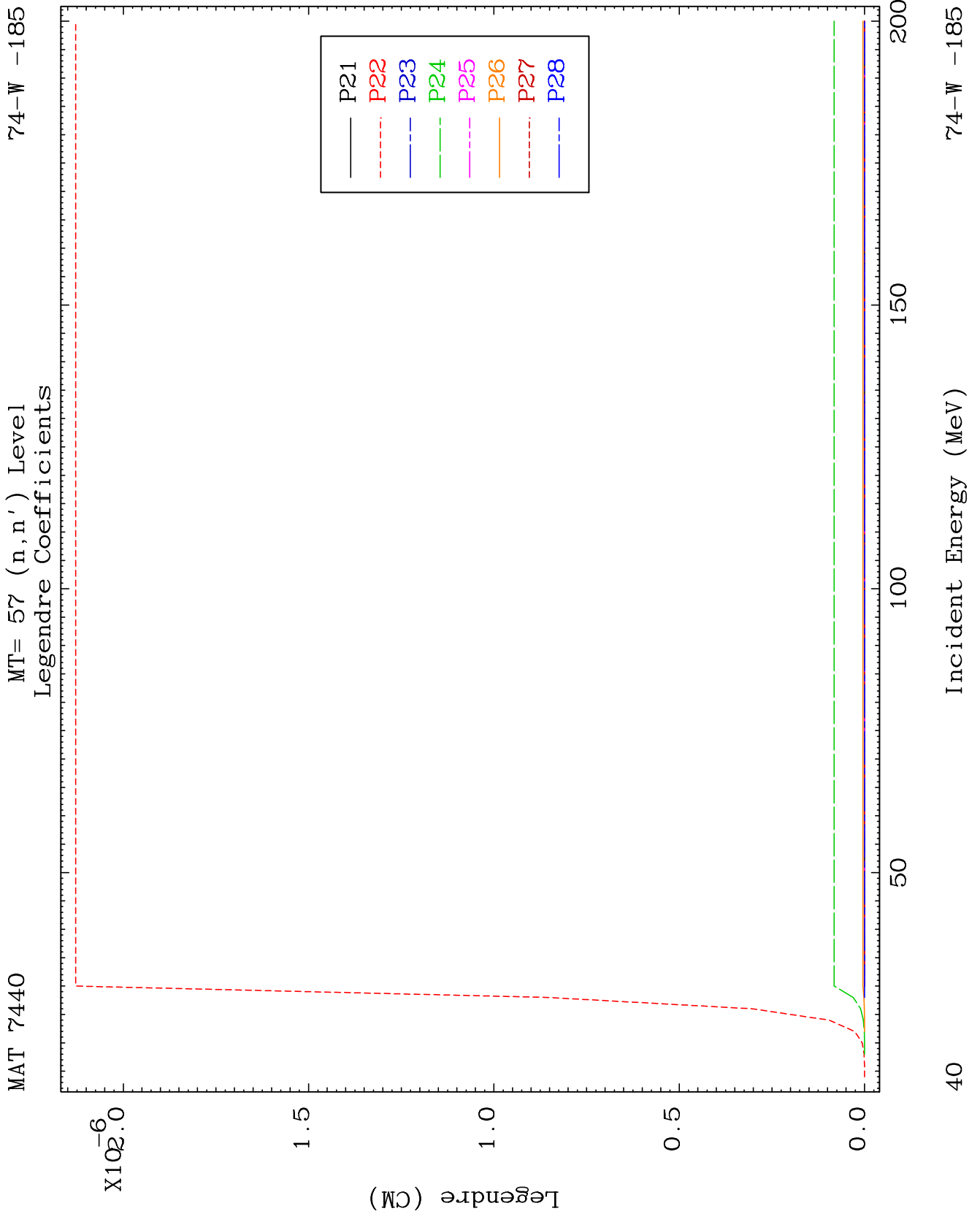
74-W -185

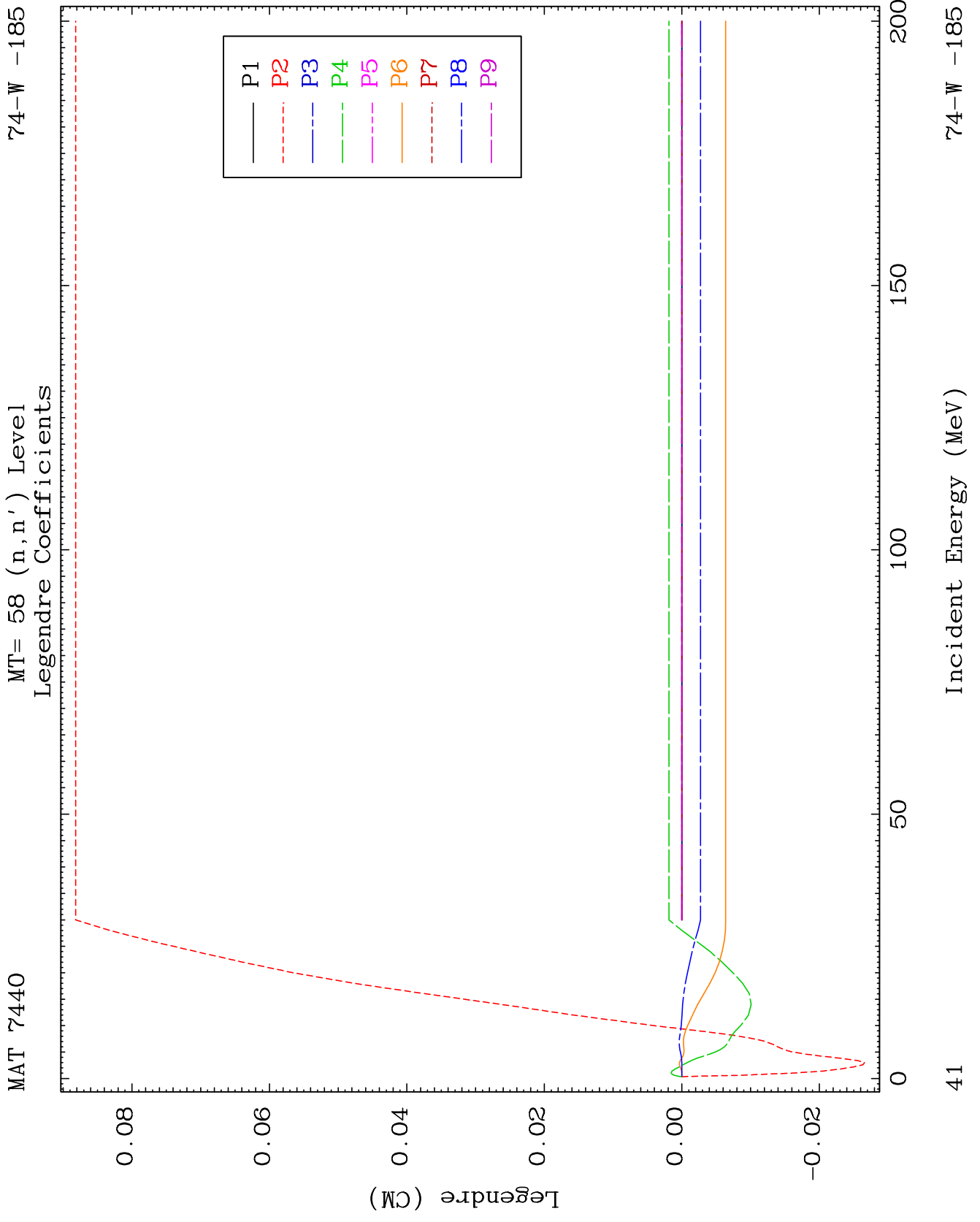








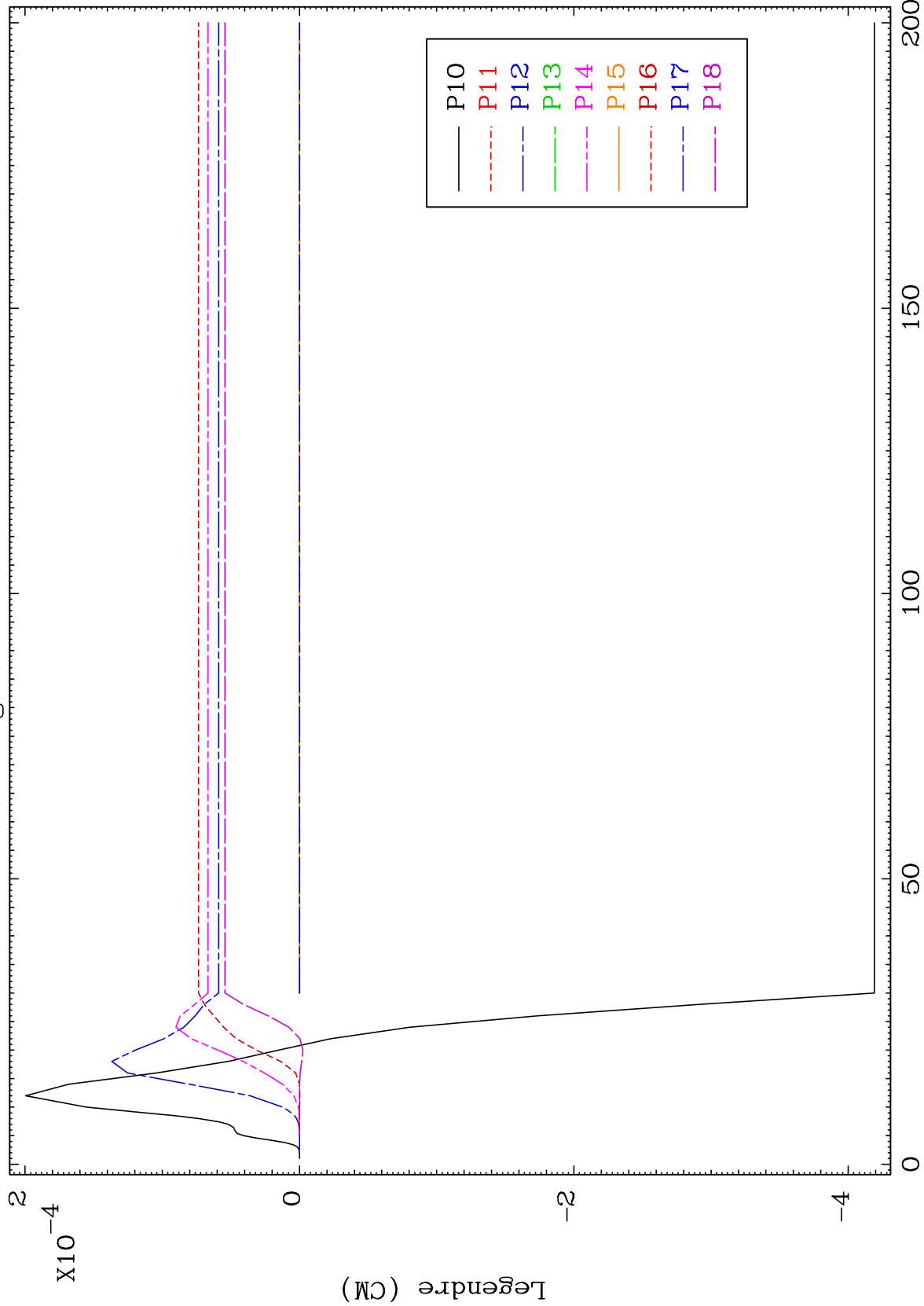




MAT 7440

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

74-W -185



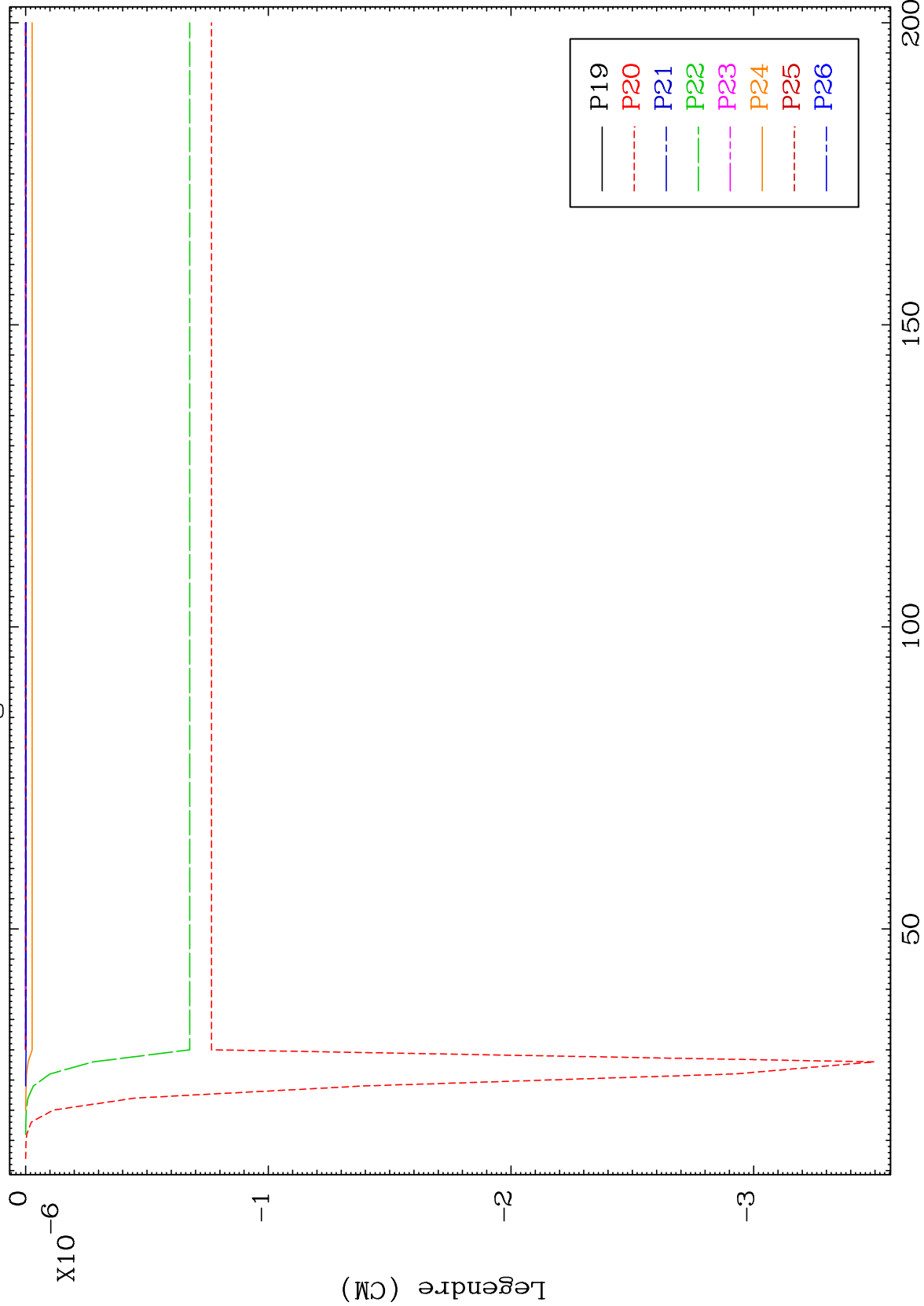
42

Incident Energy (MeV)

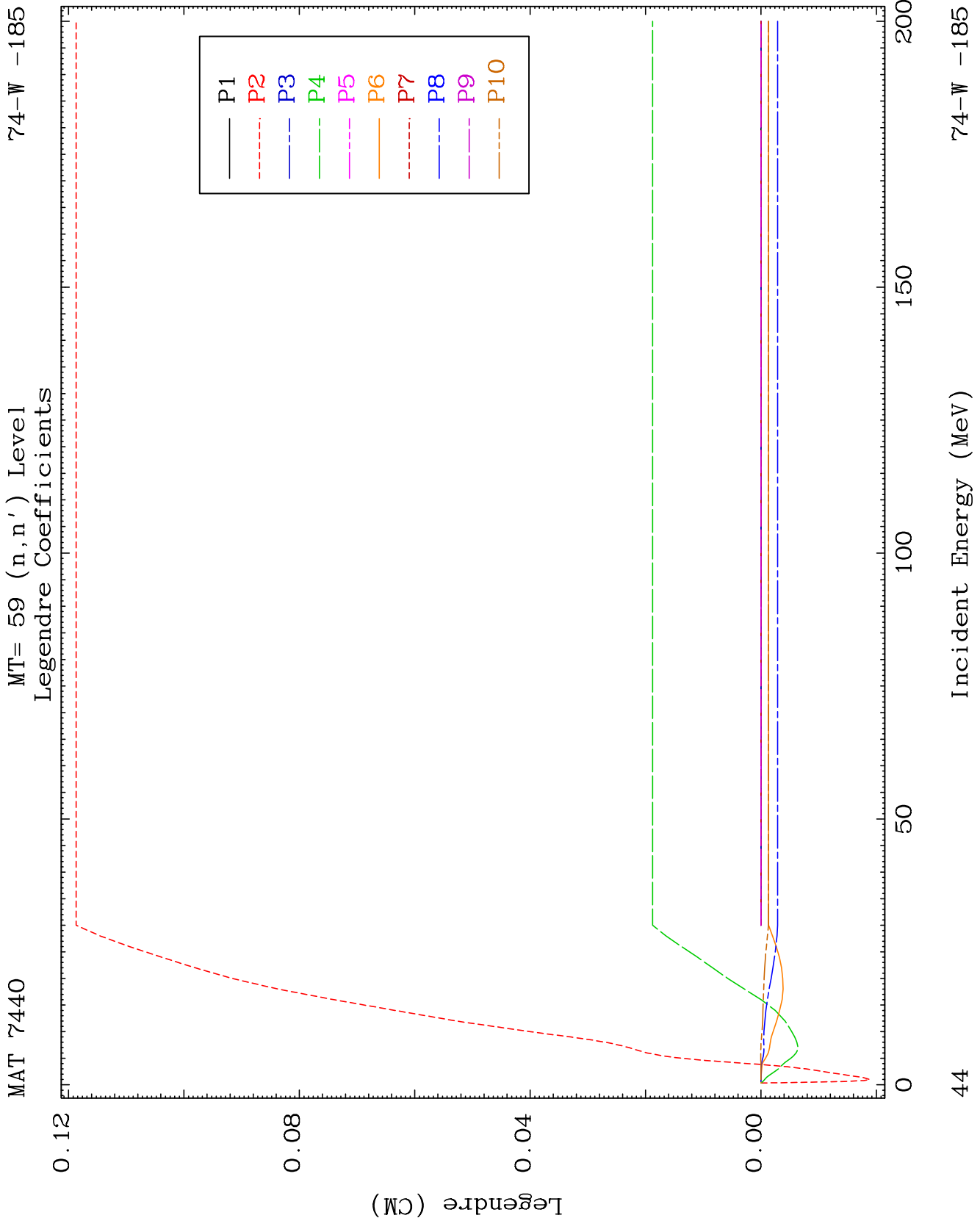
74-W -185

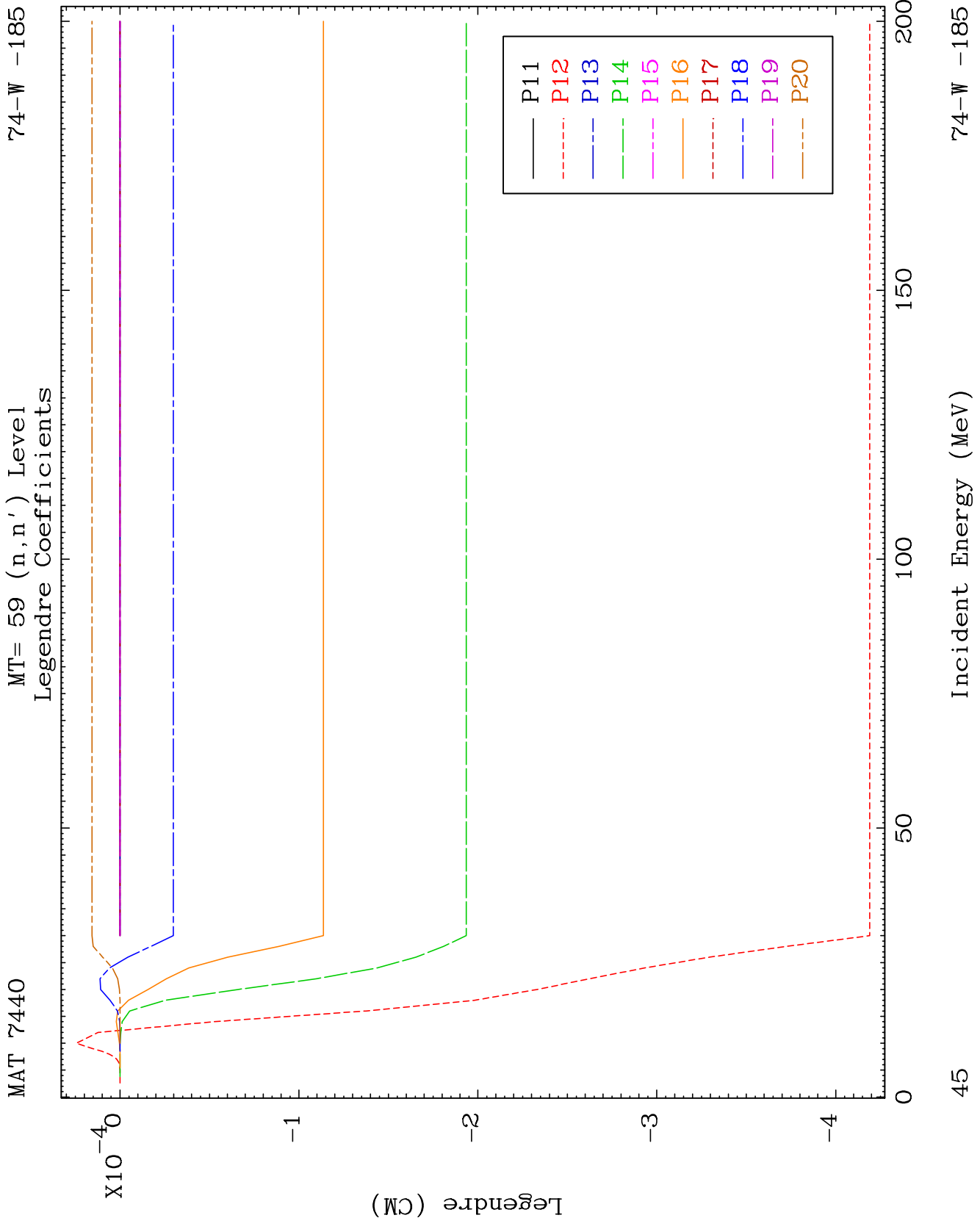
MAT 7440 MT= 58 (n,n') Level 74-W -185

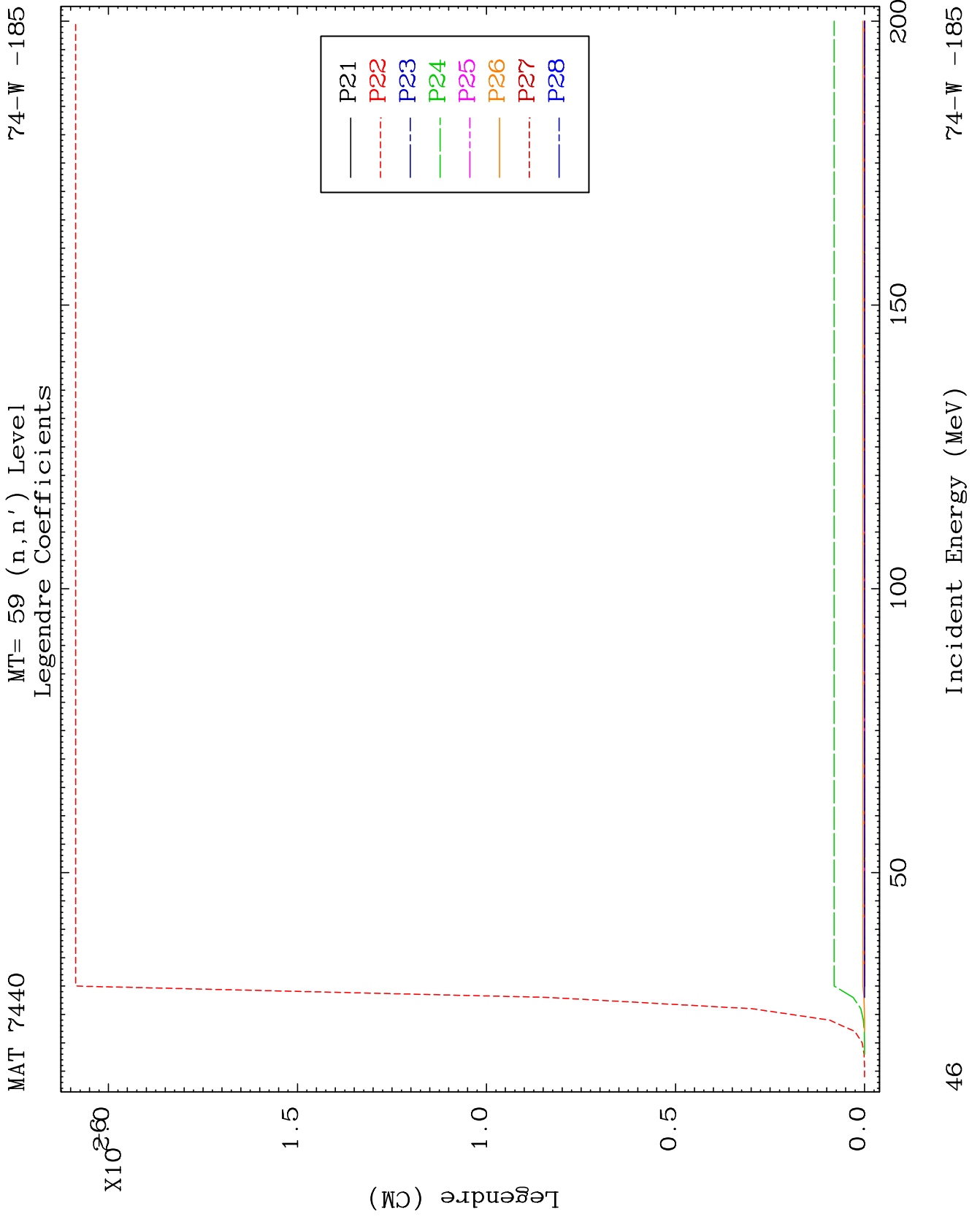
Legendre Coefficients



43 74-W -185



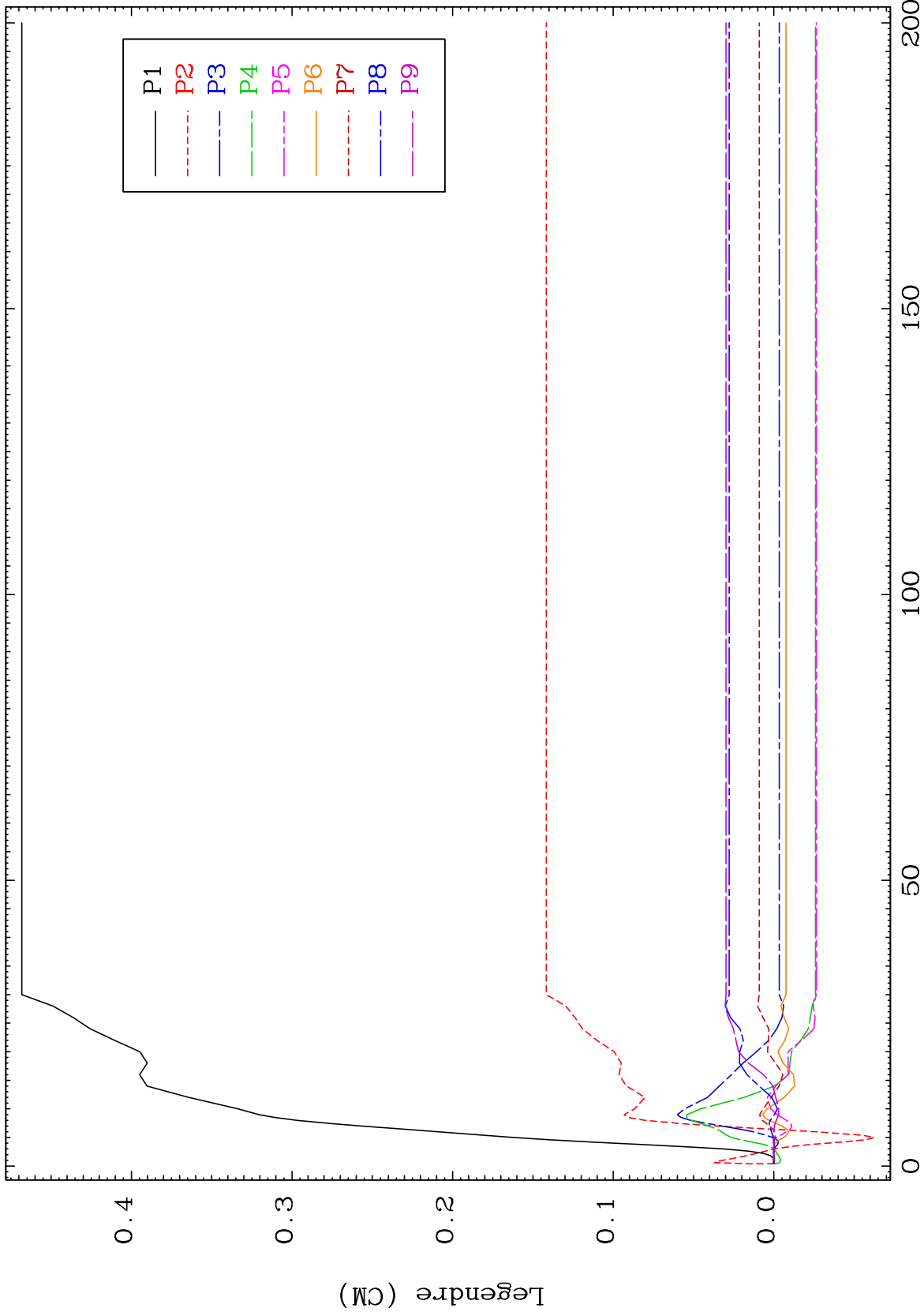




MAT 7440

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

74-W -185



74-W -185

Incident Energy (MeV)

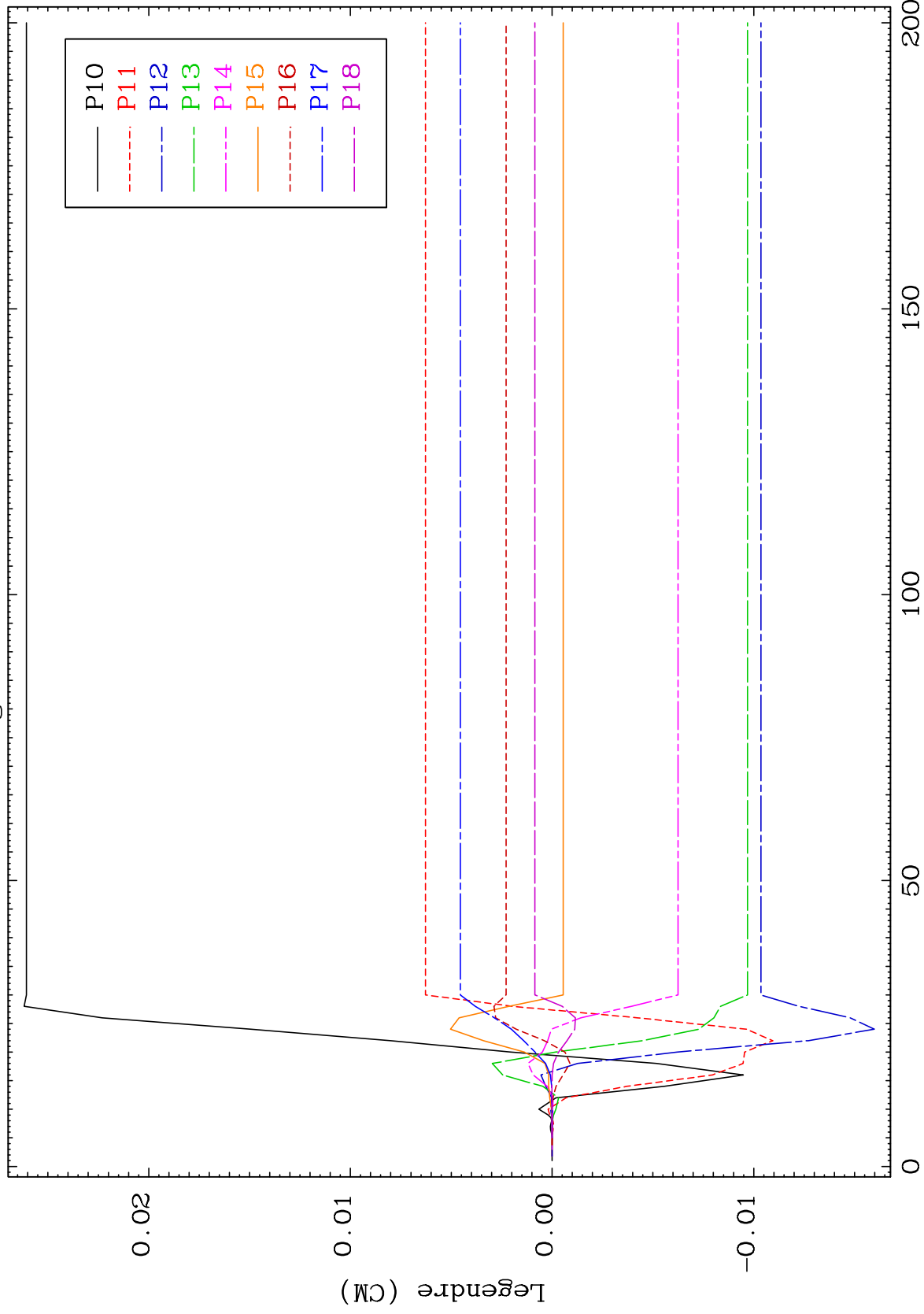
47



MAT 7440

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

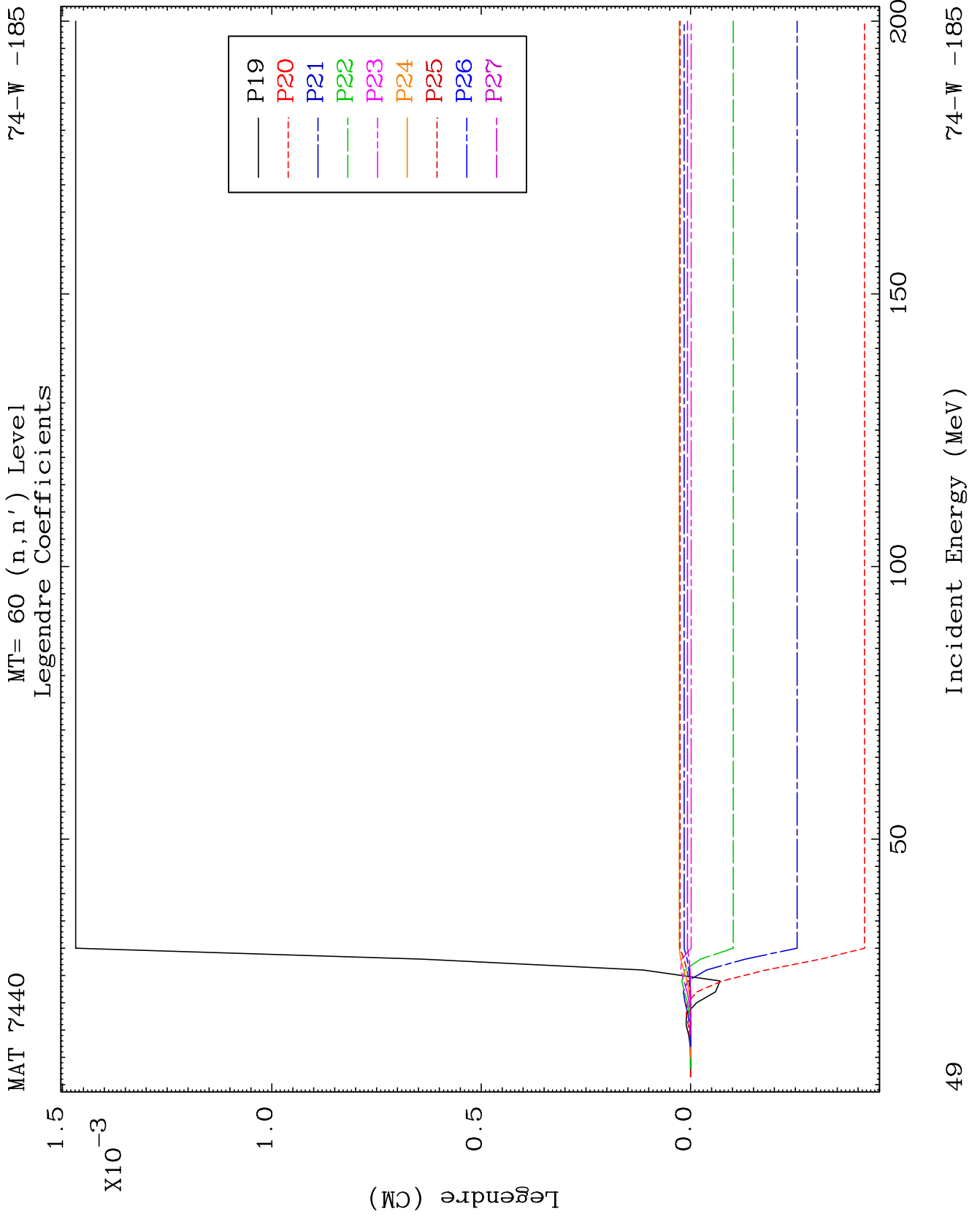
74-W -185



48

Incident Energy (MeV)

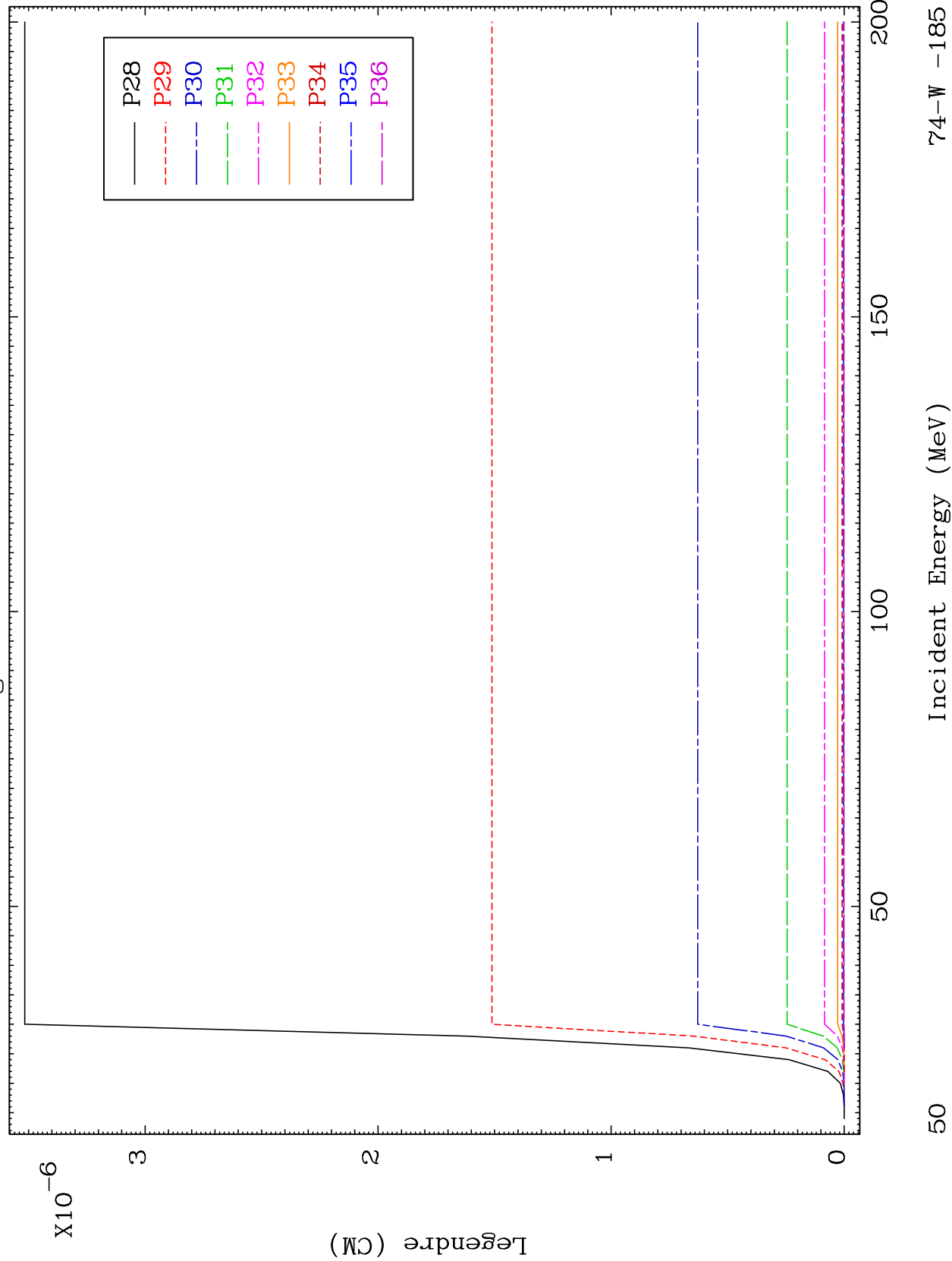
74-W -185



MAT 7440

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

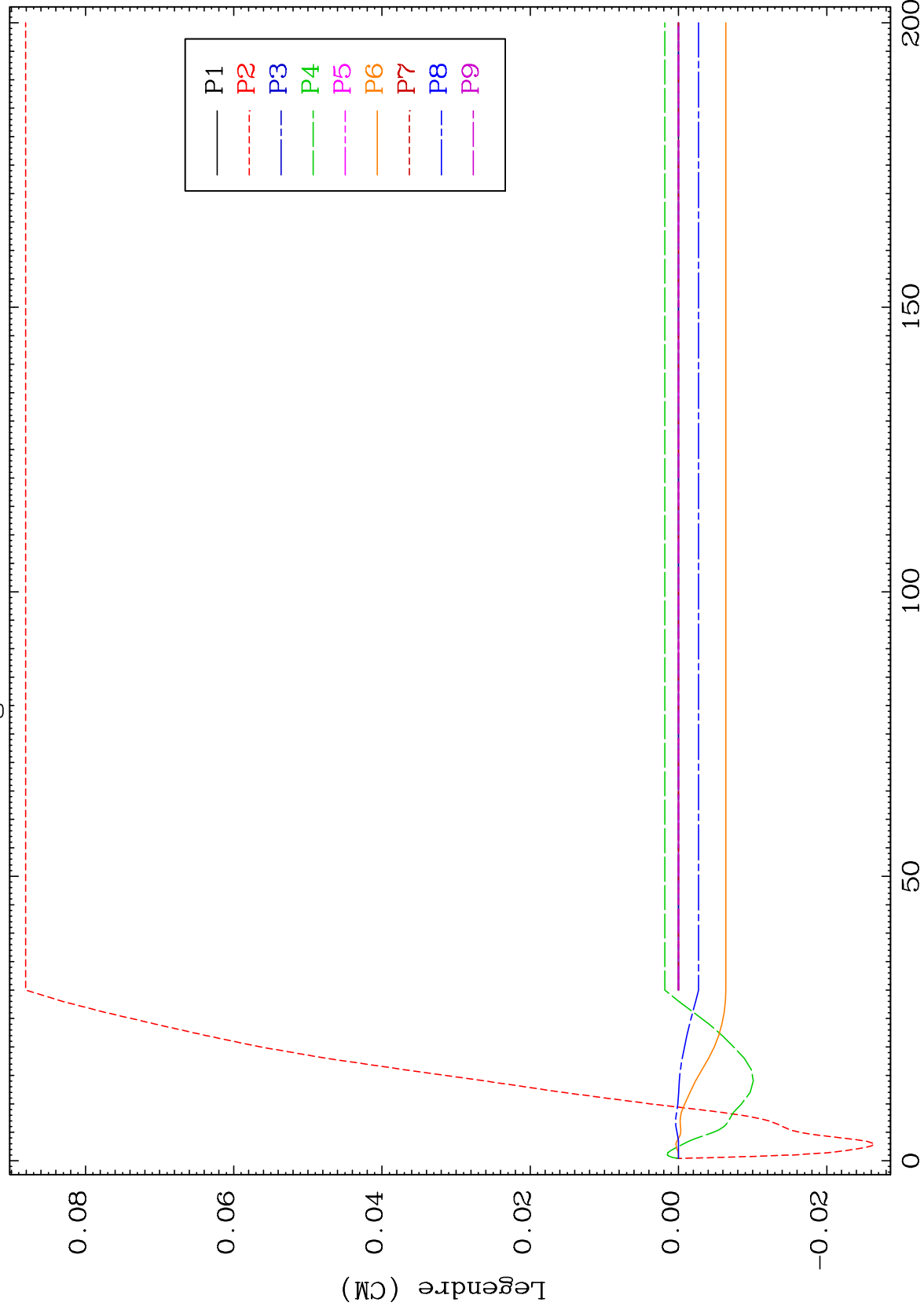
74-W -185



MAT 7440

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

74-W -185



51

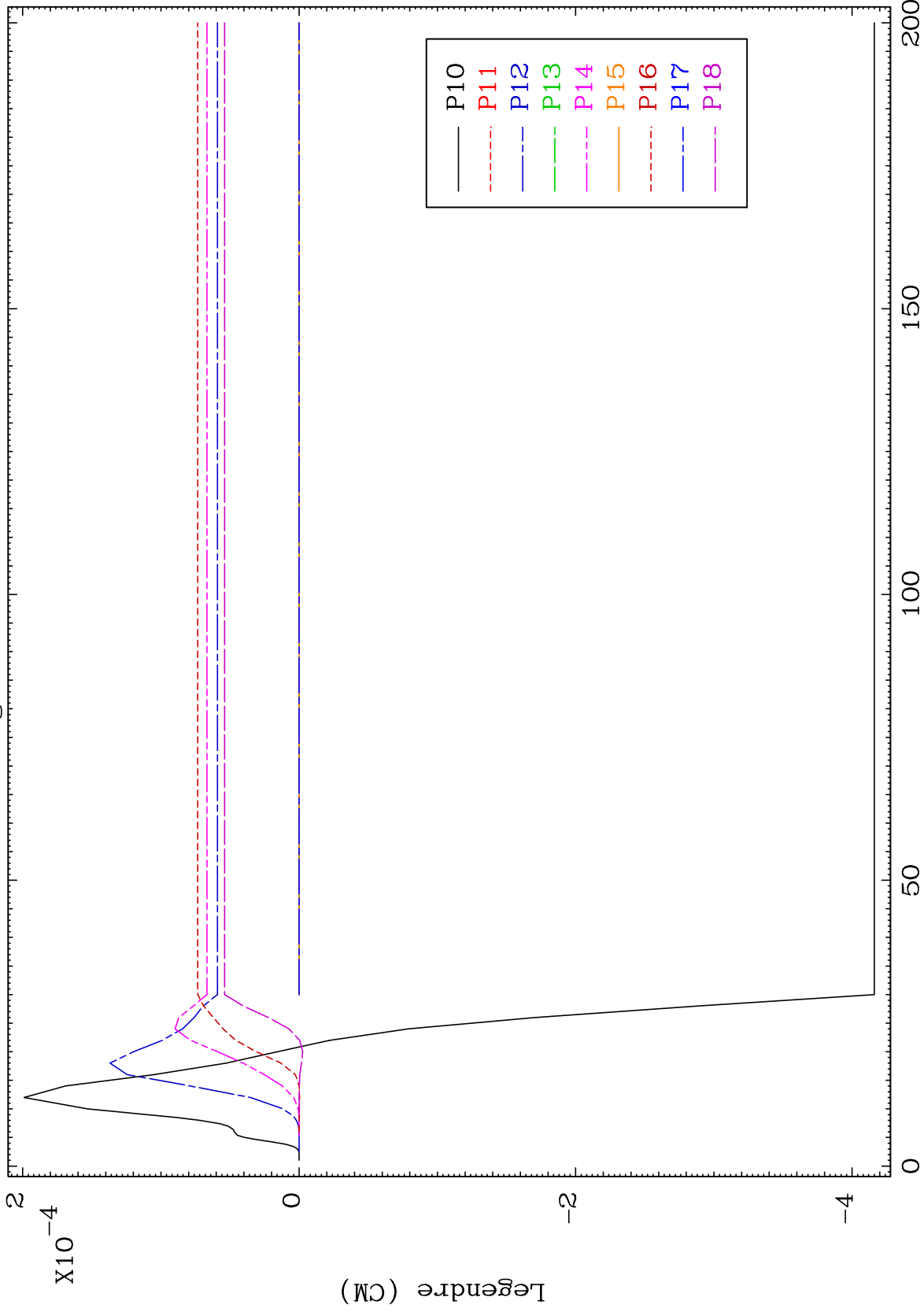
Incident Energy (MeV)

74-W -185

MAT 7440

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

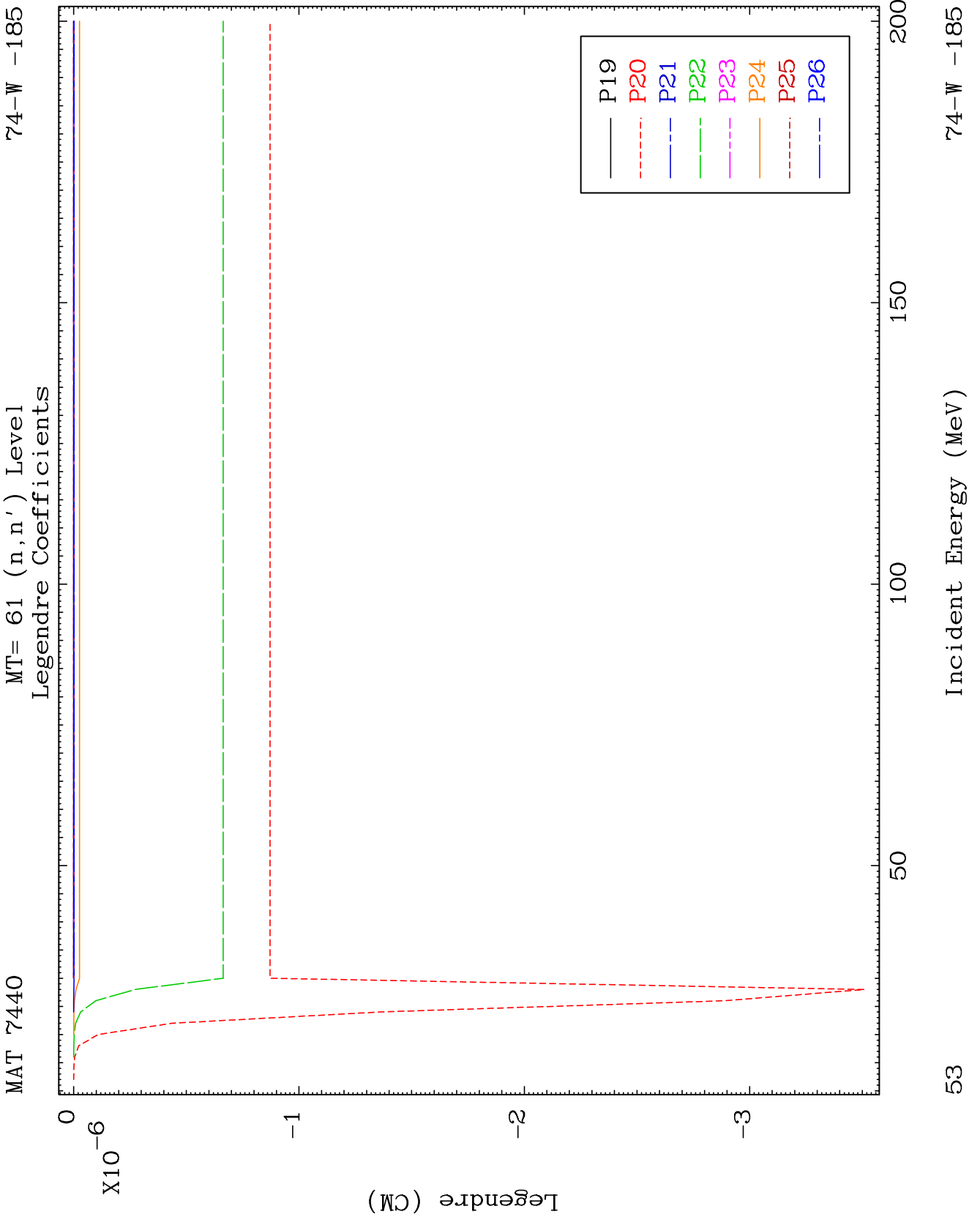
74-W -185



52

Incident Energy (MeV)

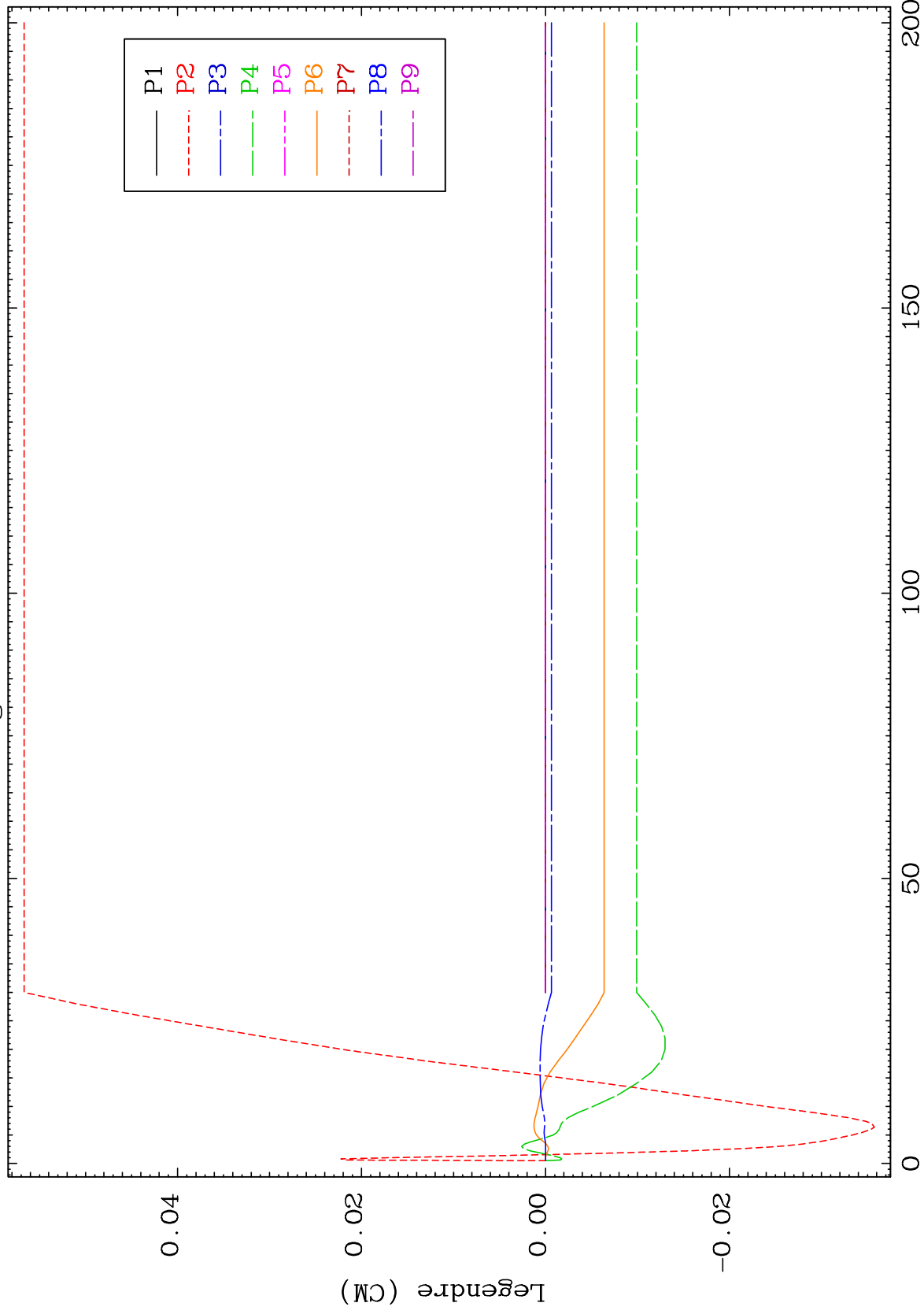
74-W -185



MAT 7440

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

74-W -185



54

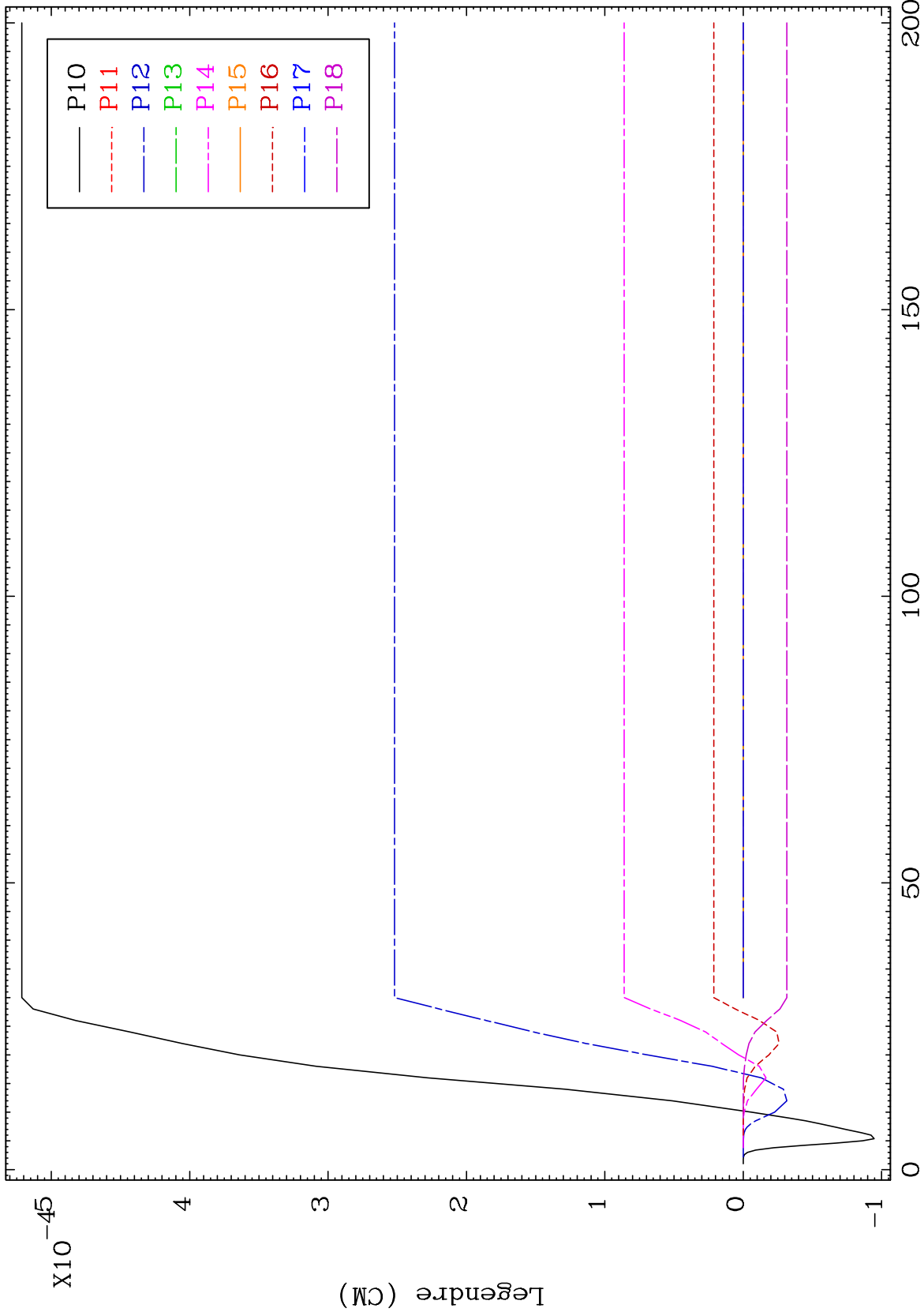
Incident Energy (MeV)

74-W -185

MAT 7440

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

74-W -185



55

Incident Energy (MeV)

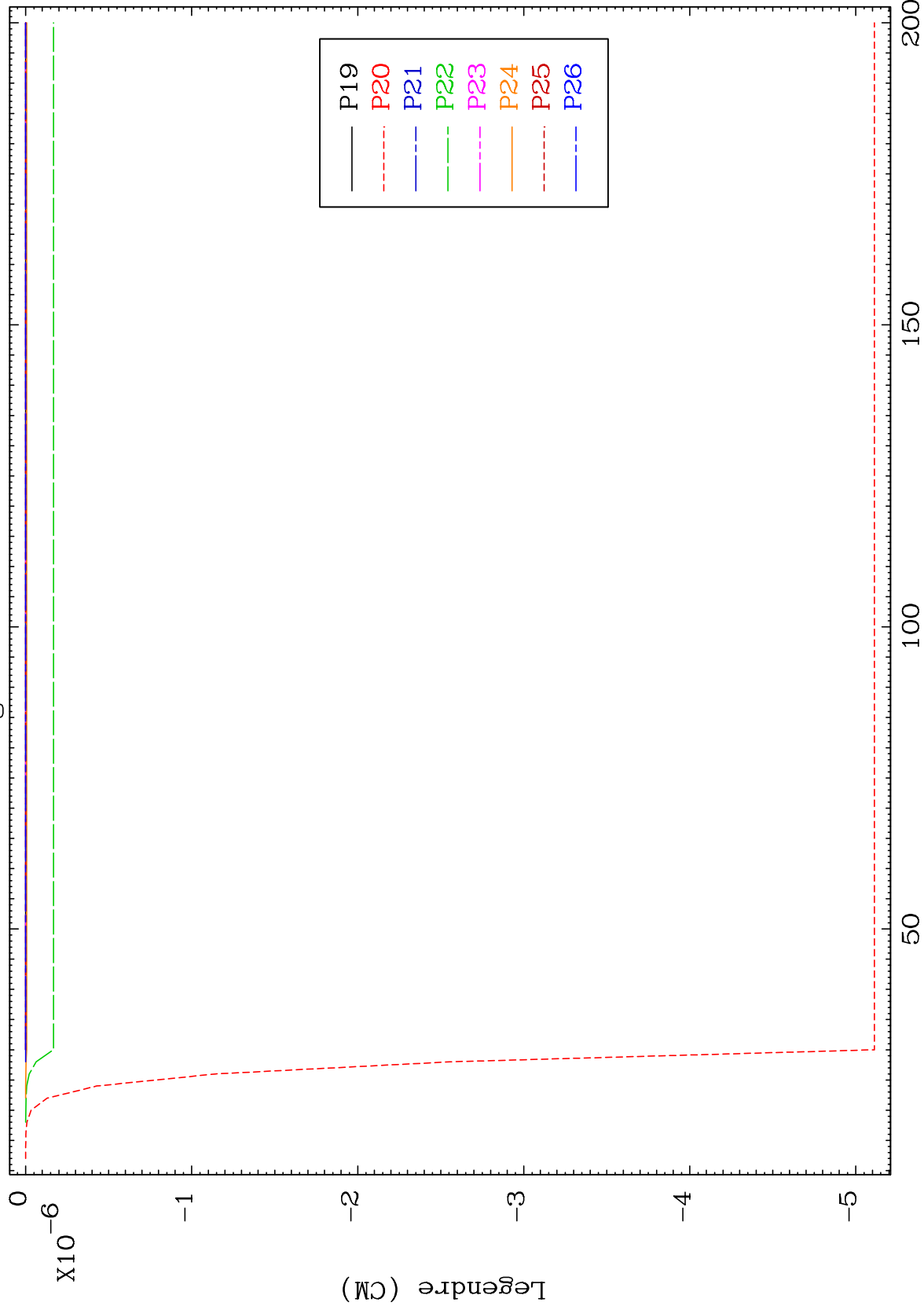
74-W -185



MAT 7440

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

74-W -185



74-W -185

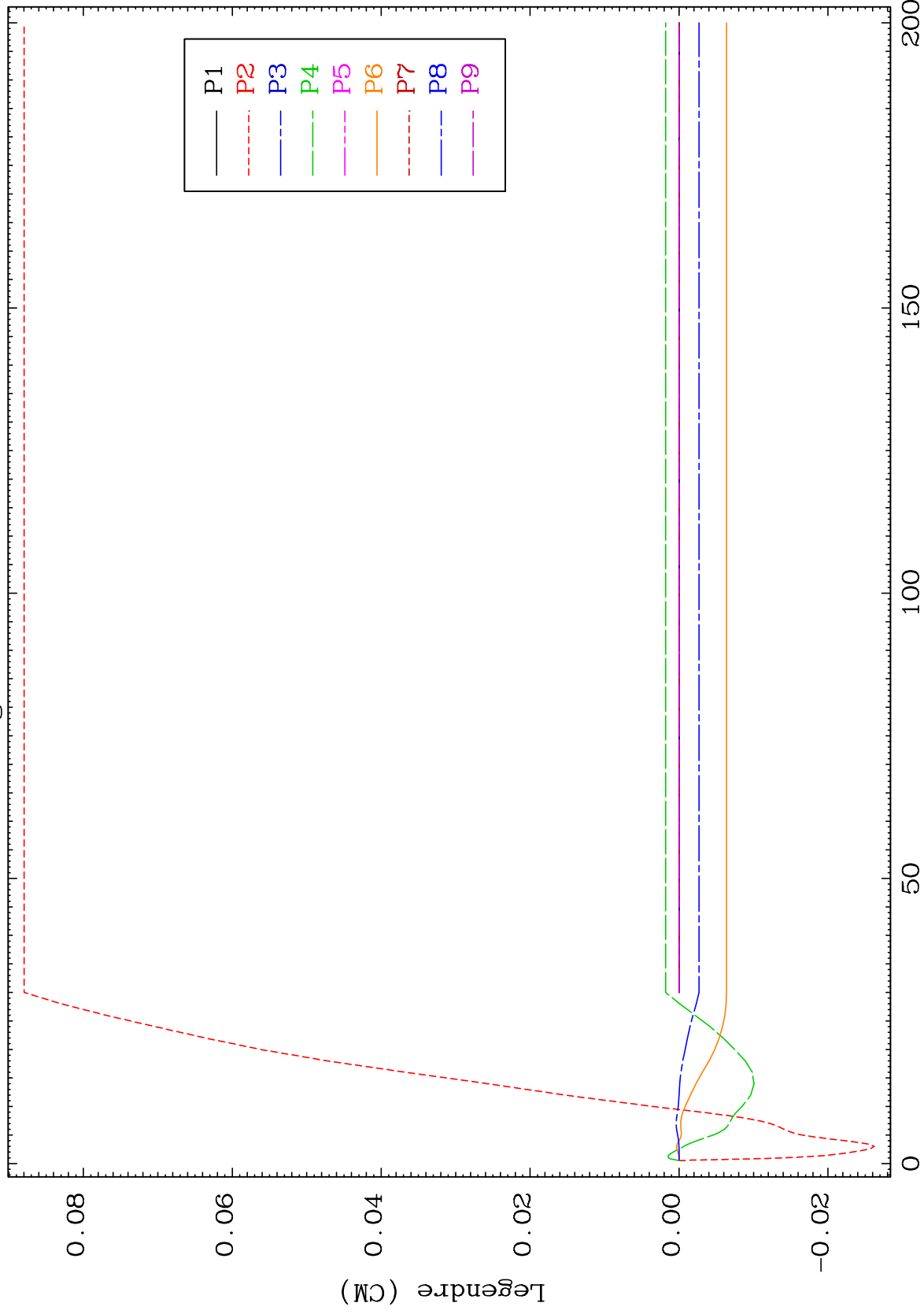
Incident Energy (MeV)

56

MAT 7440

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

74-W -185



57

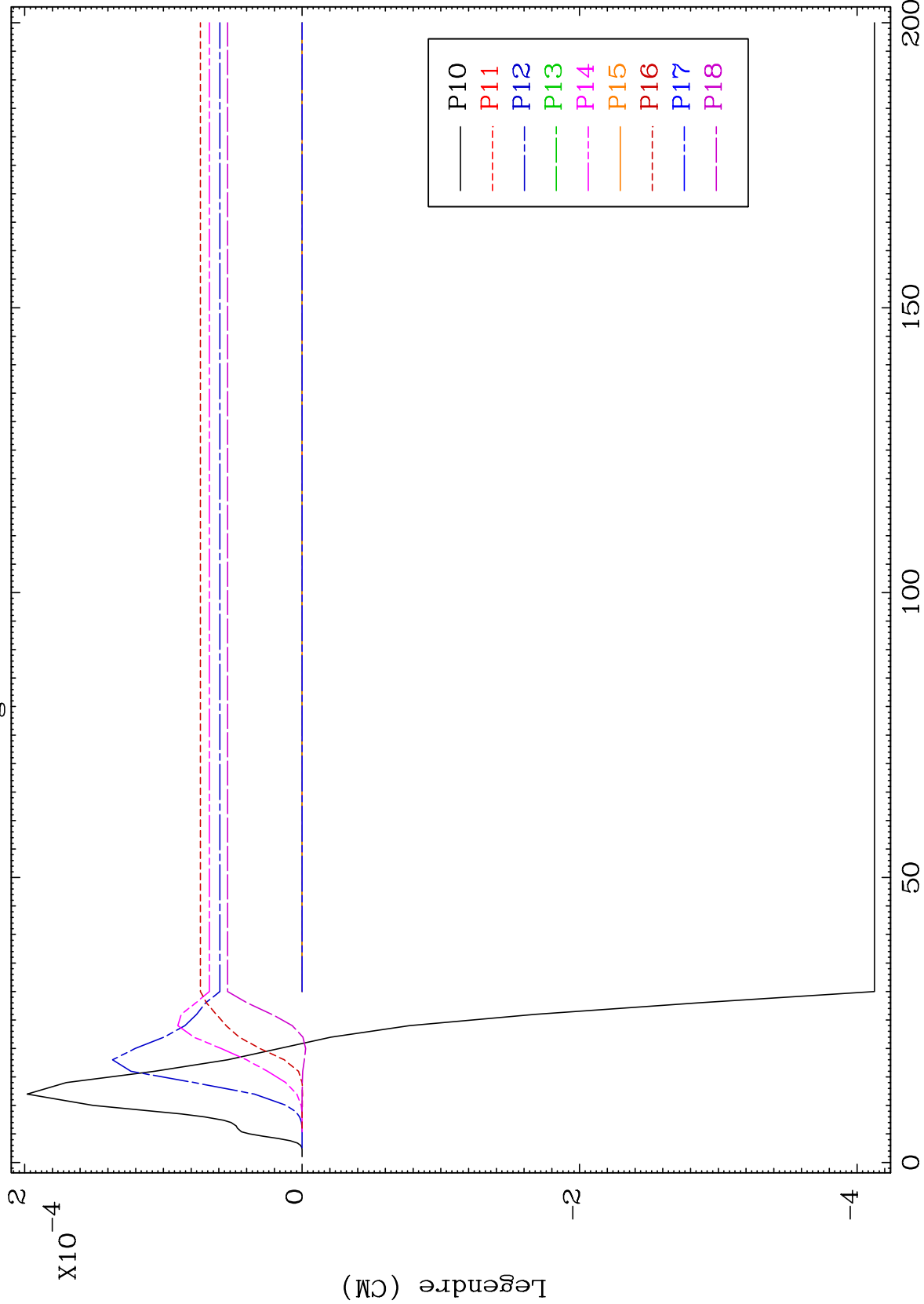
Incident Energy (MeV)

74-W -185

MAT 7440

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

74-W -185



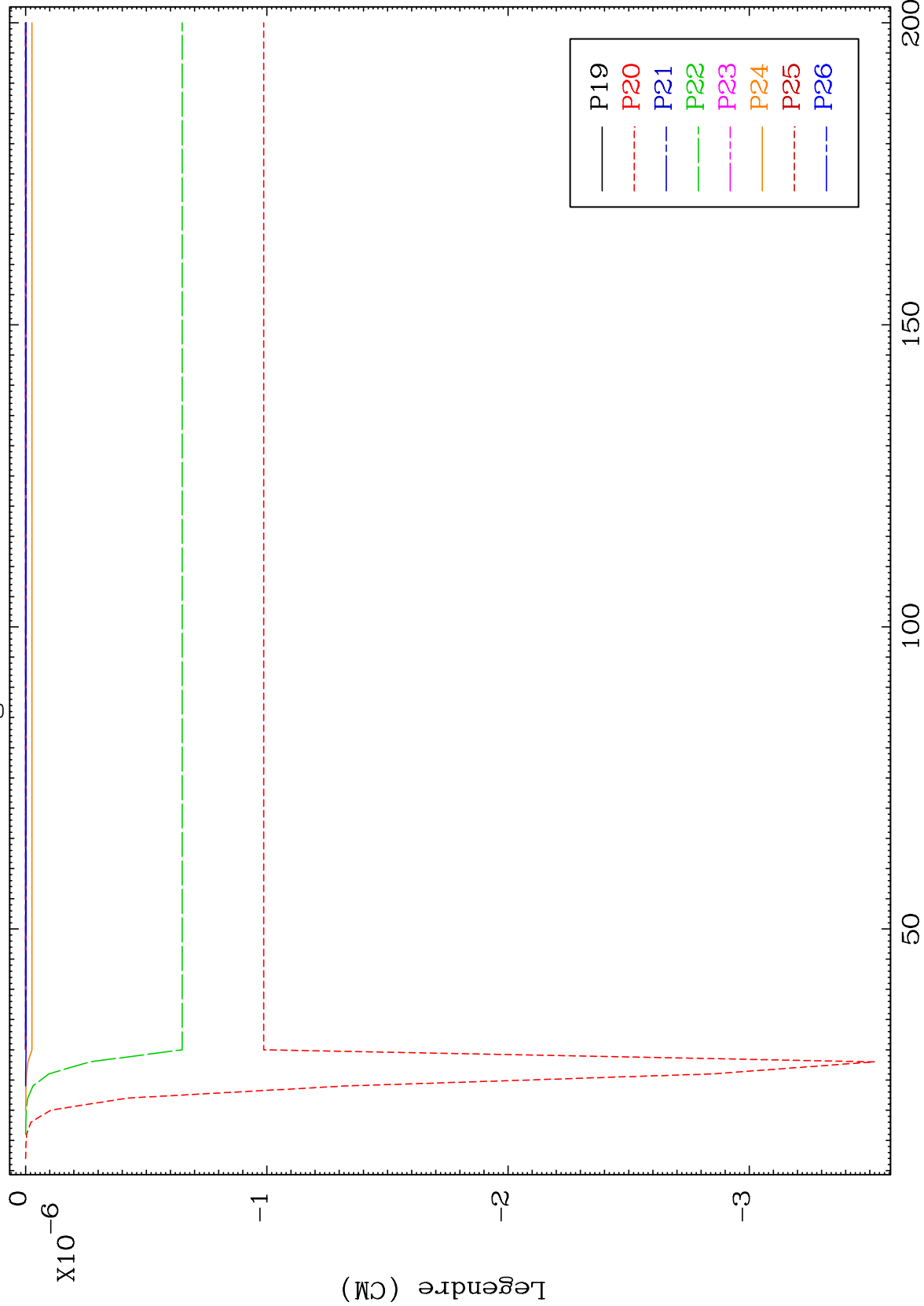
58

Incident Energy (MeV)

74-W -185

MAT 7440 MT= 63 (n,n') Level 74-W -185

Legendre Coefficients

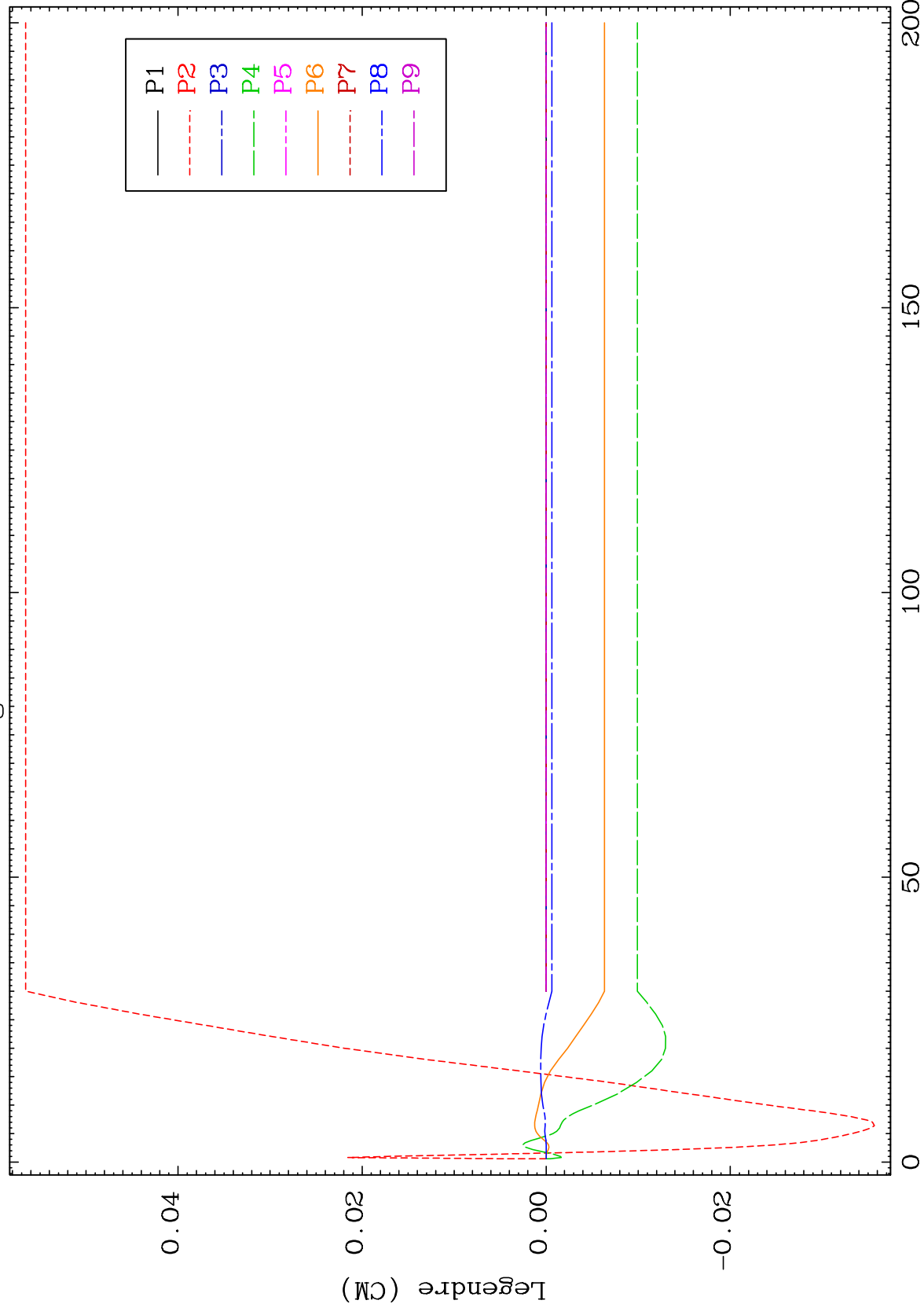


59 74-W -185

MAT 7440

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

74-W -185



74-W -185

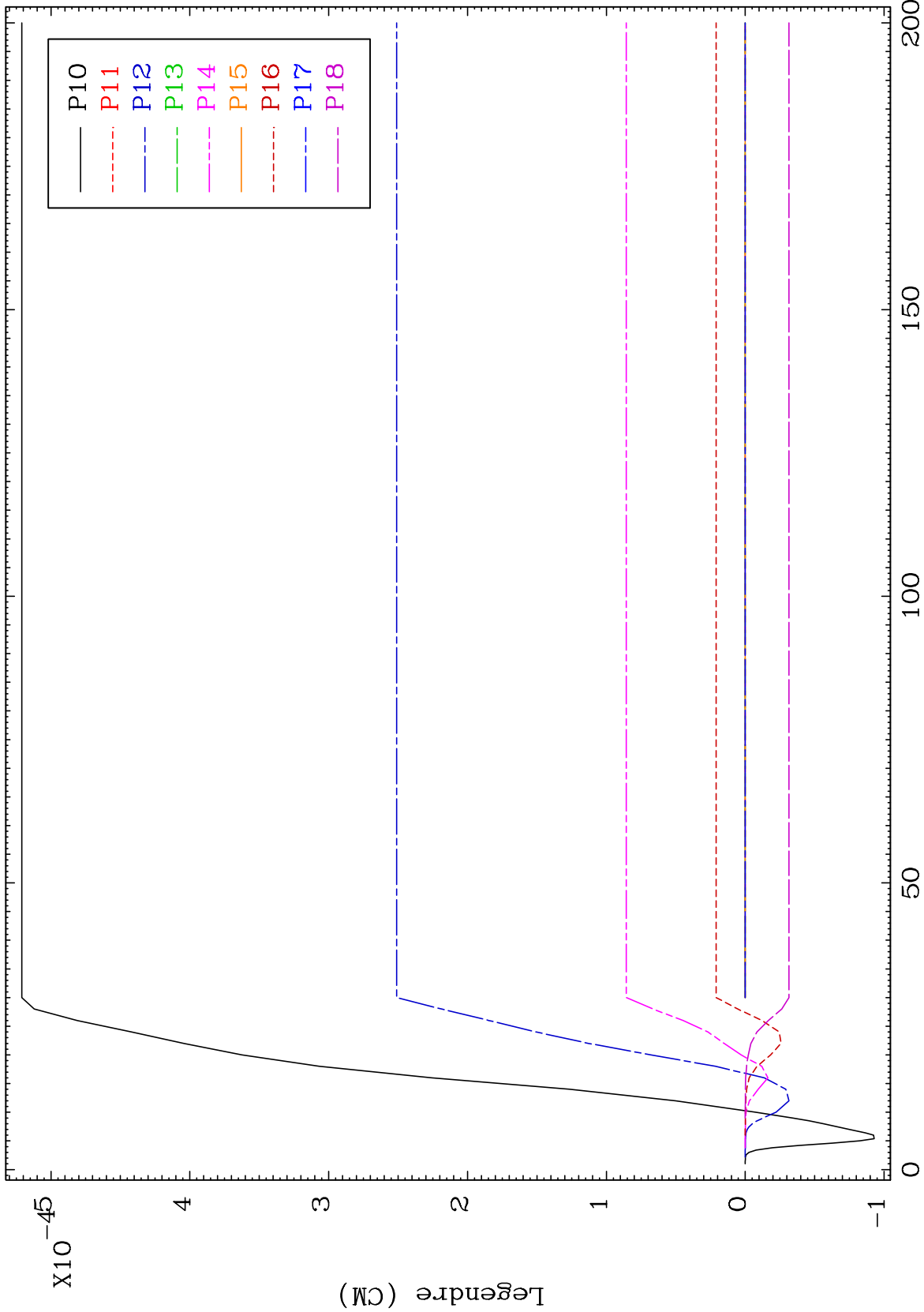
Incident Energy (MeV)

60

MAT 7440

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

74-W -185



61

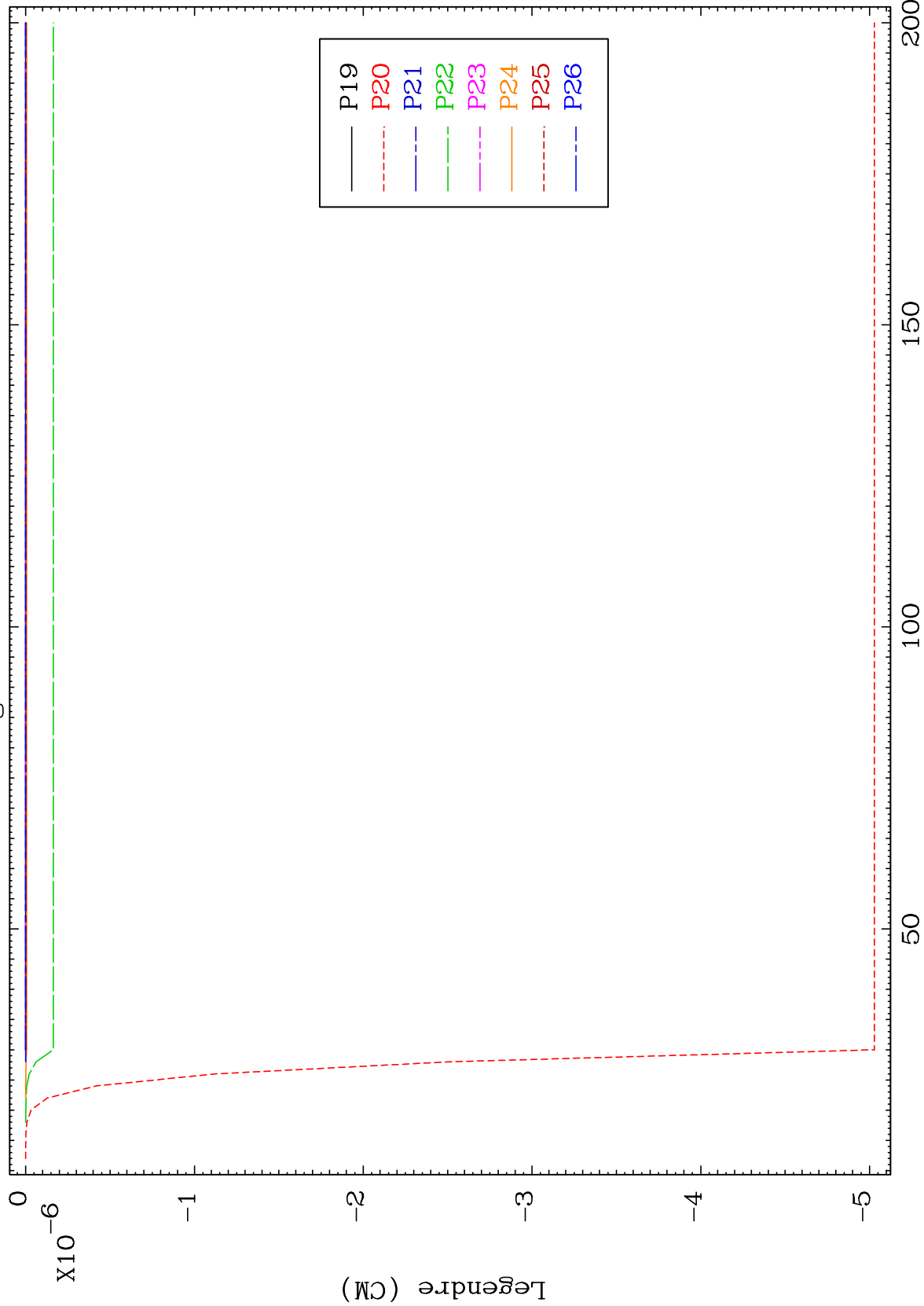
Incident Energy (MeV)

74-W -185

MAT 7440

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

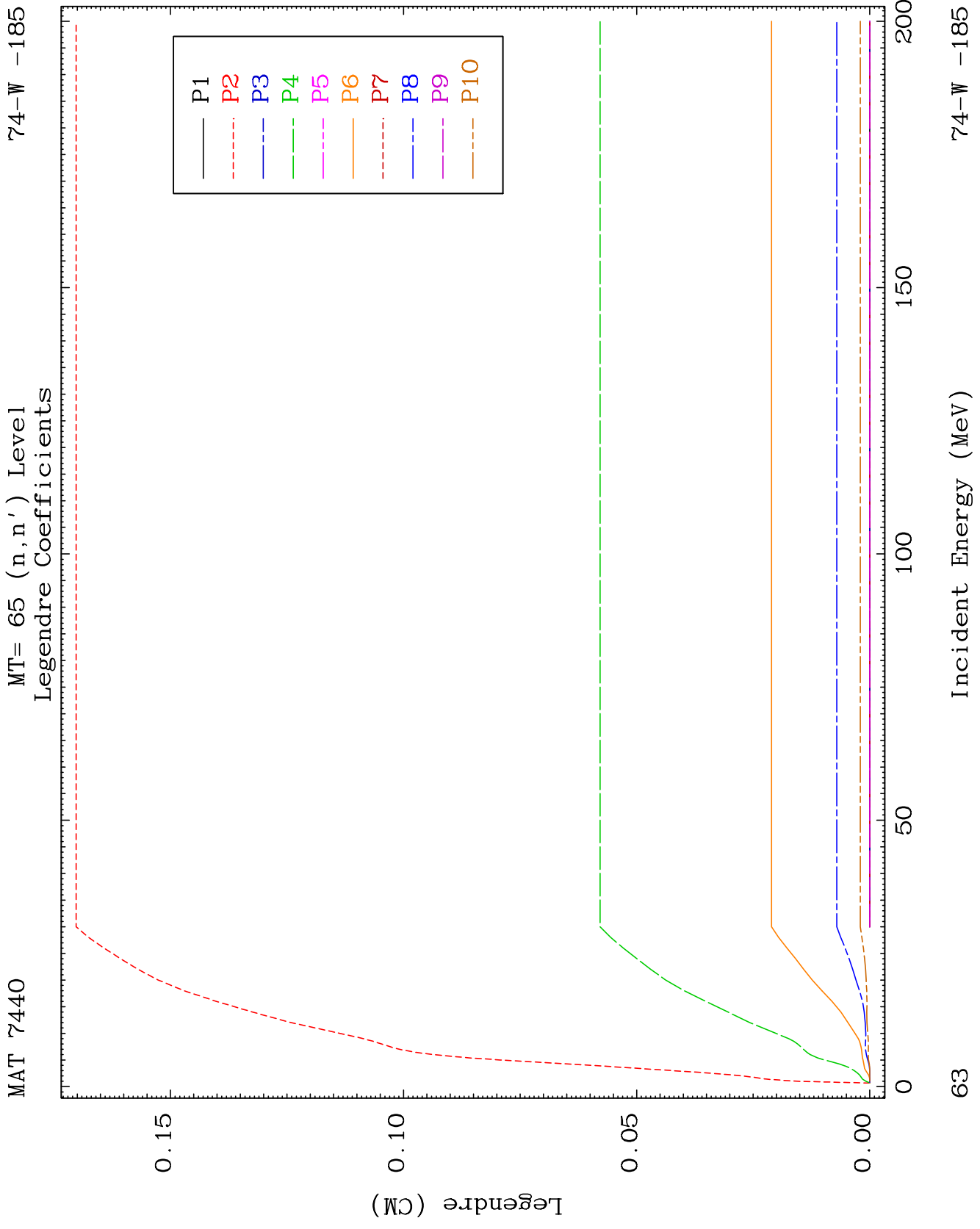
74-W -185



74-W -185

Incident Energy (MeV)

62

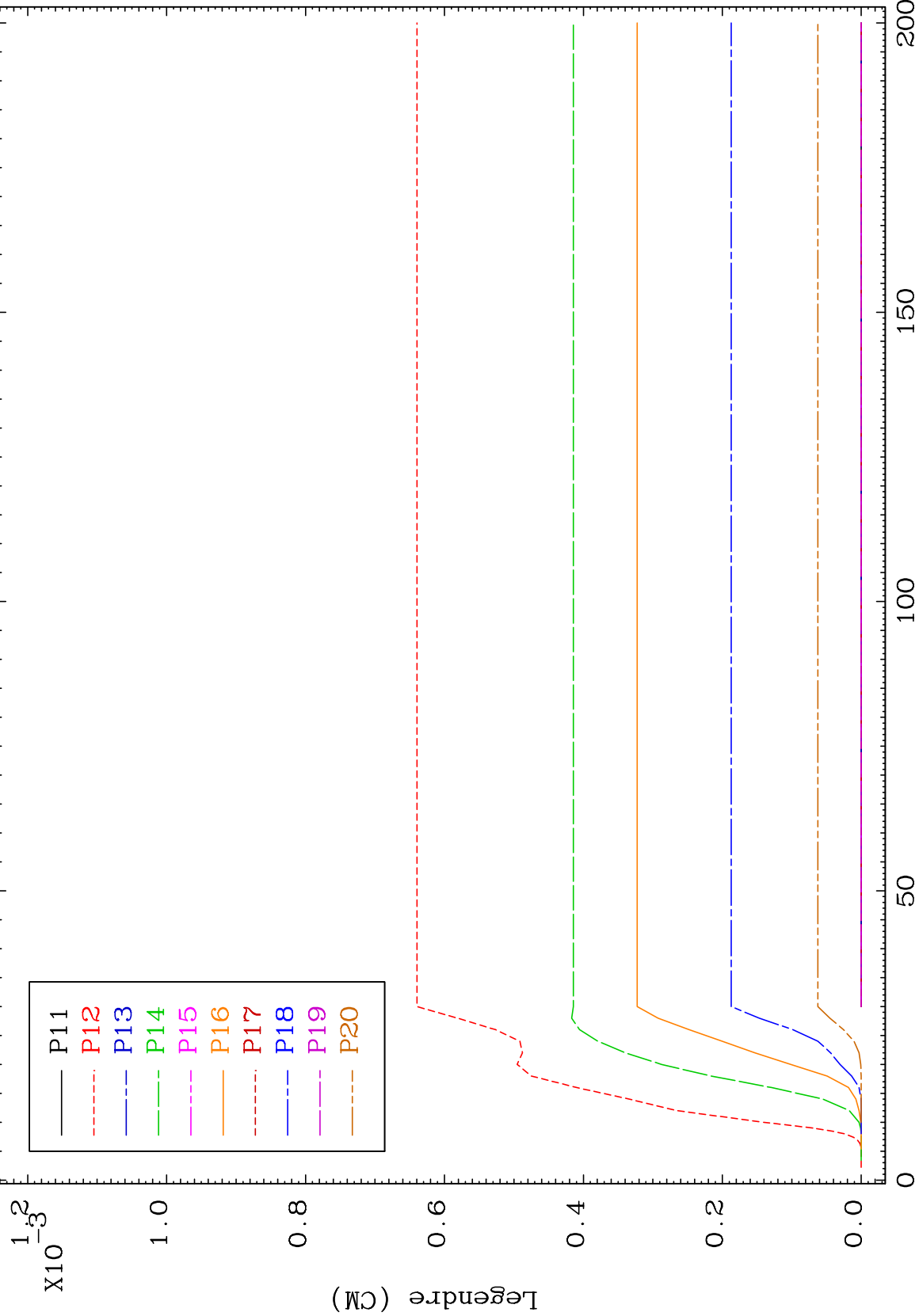




MAT 7440

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

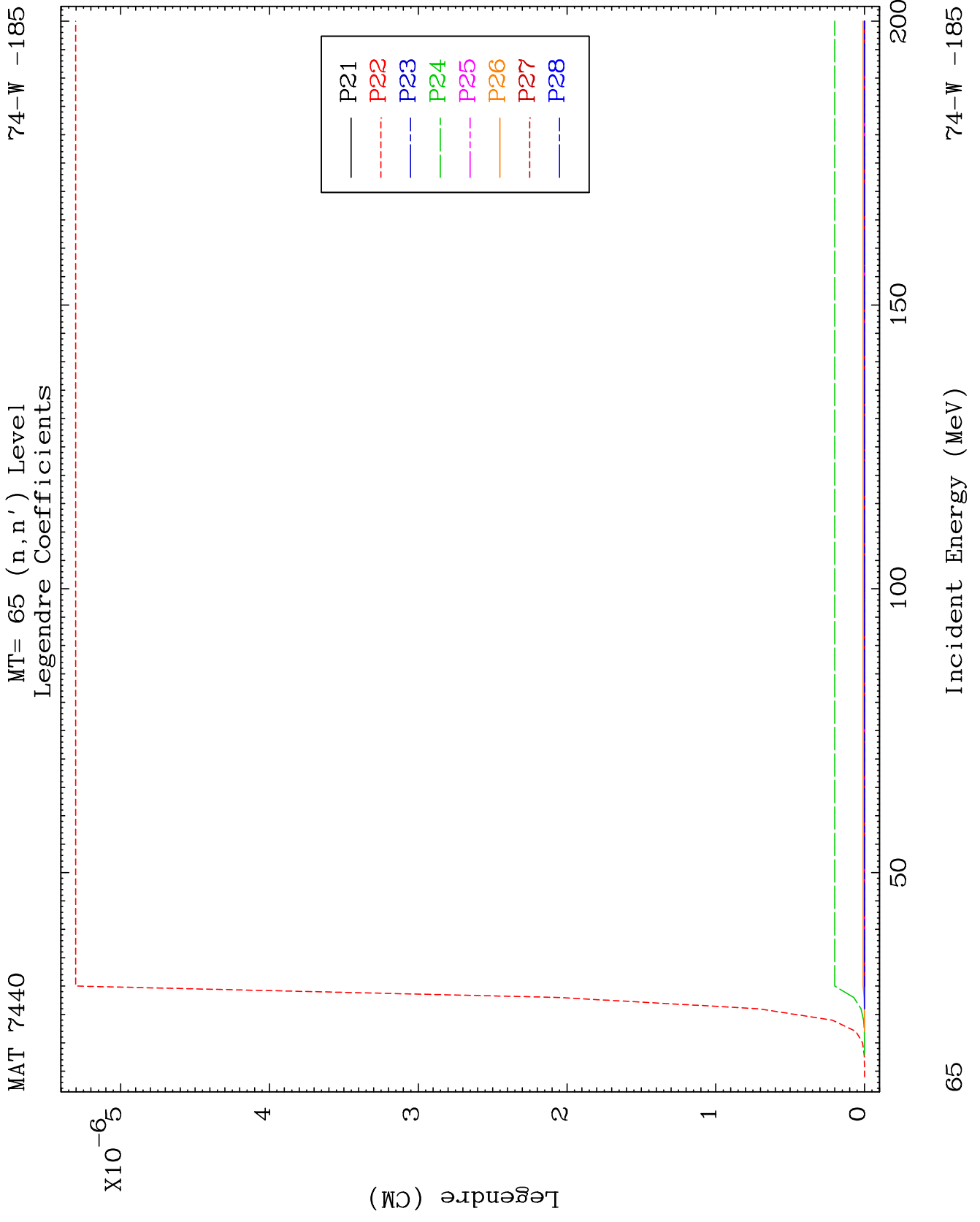
74-W -185



64

Incident Energy (MeV)

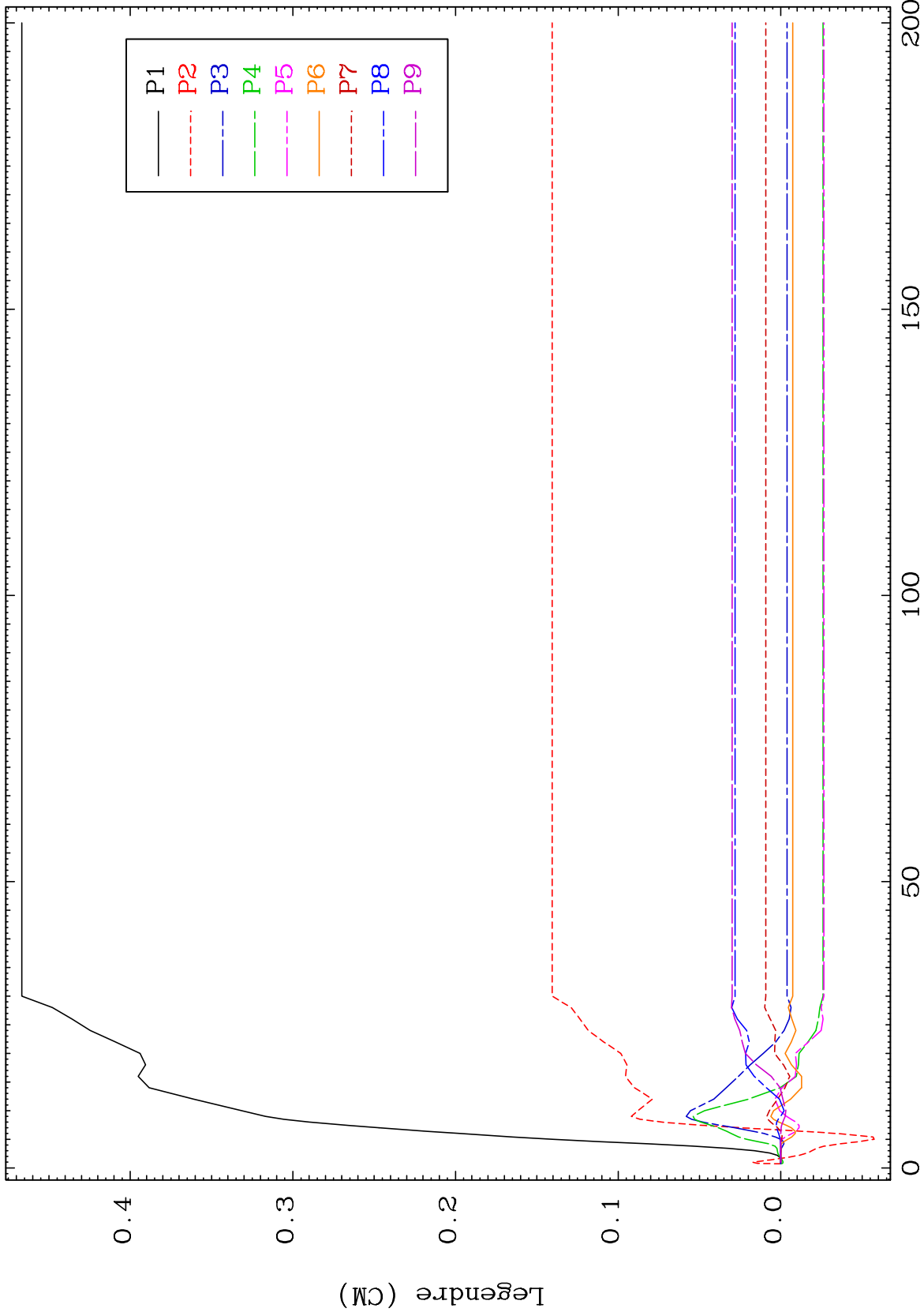
74-W -185



MAT 7440

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

74-W -185



66

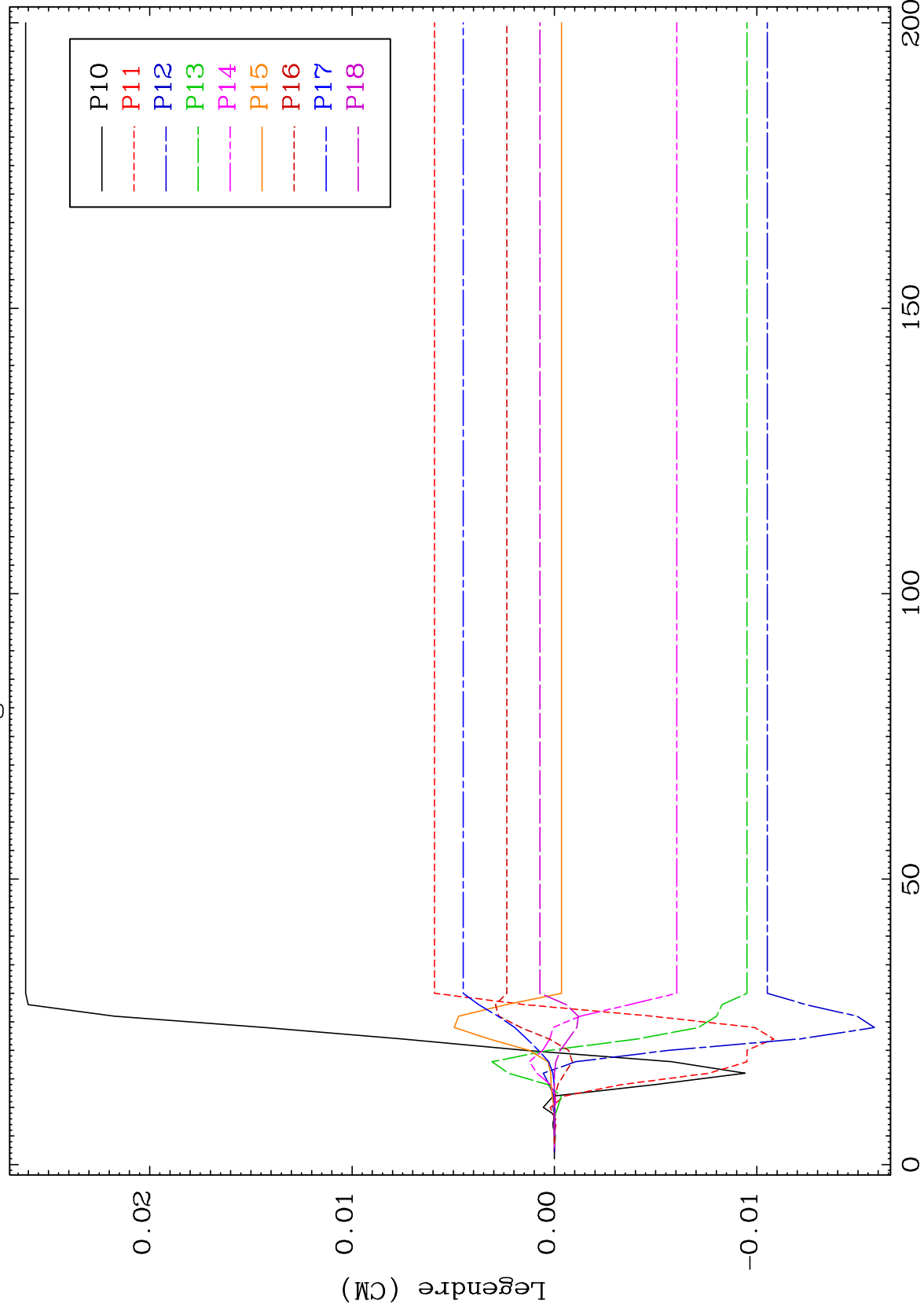
Incident Energy (MeV)

74-W -185

MAT 7440

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

74-W -185



67

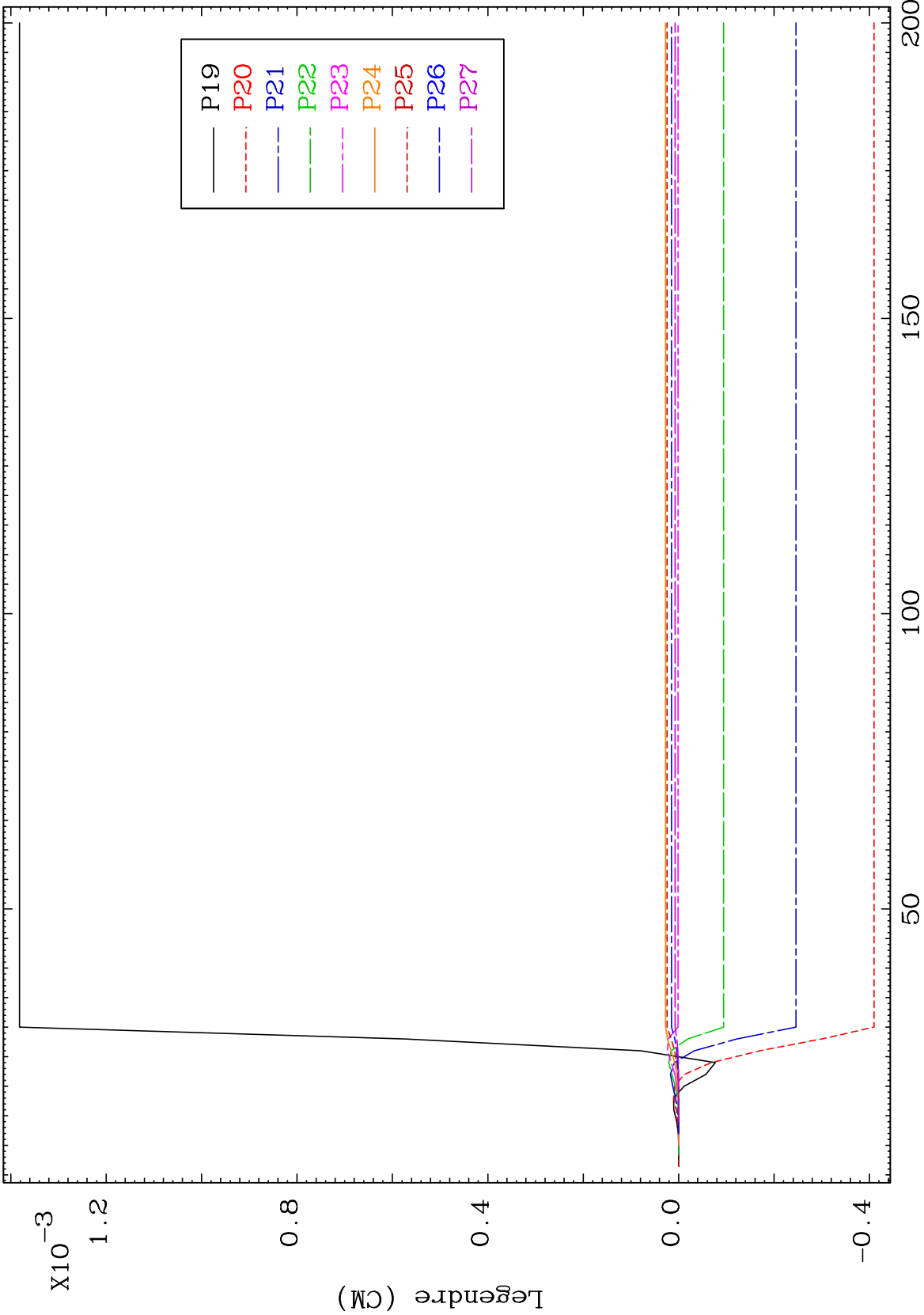
Incident Energy (MeV)

74-W -185

MAT 7440

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

74-W -185



68

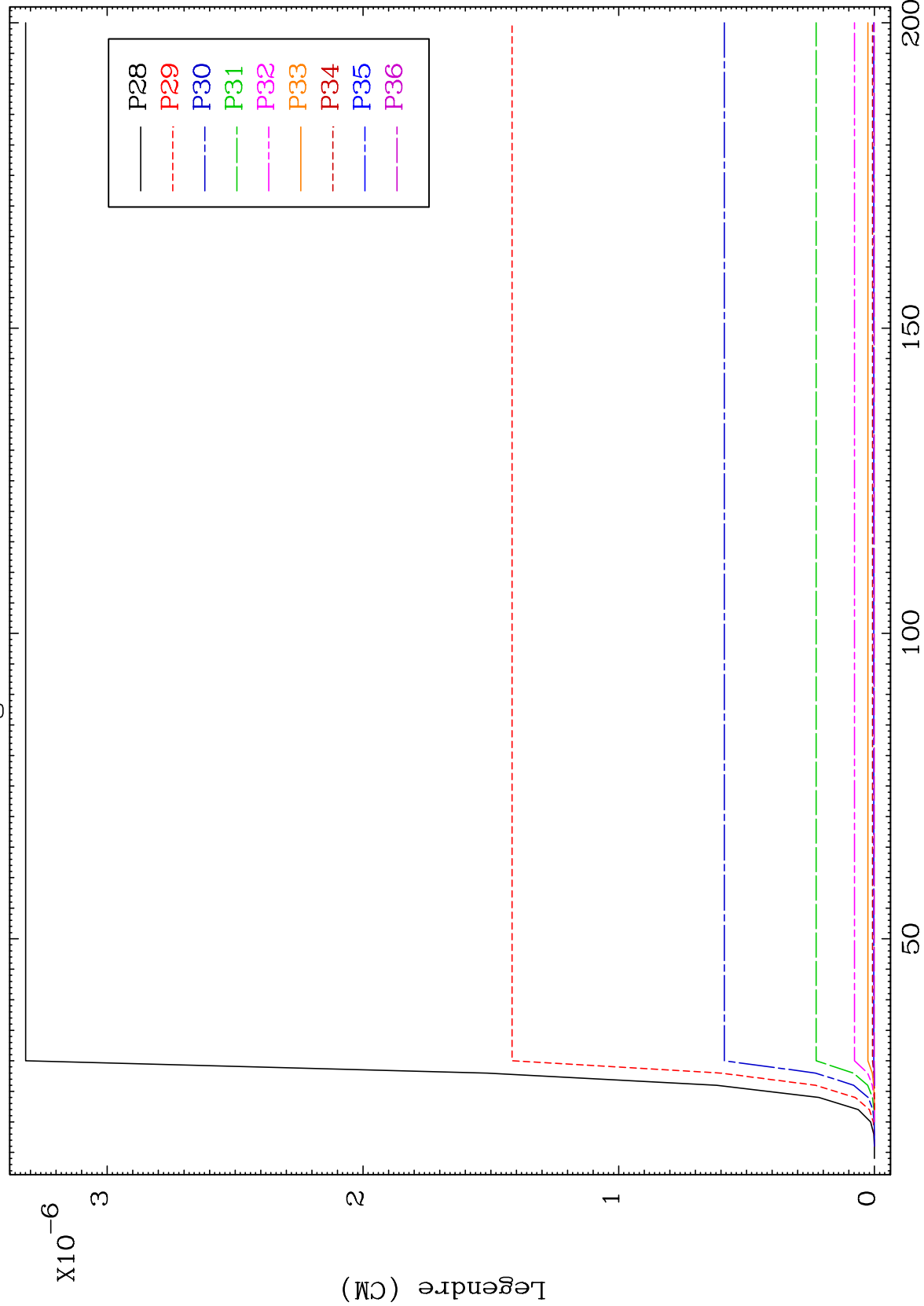
Incident Energy (MeV)

74-W -185

MAT 7440

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

74-W -185



69

Incident Energy (MeV)

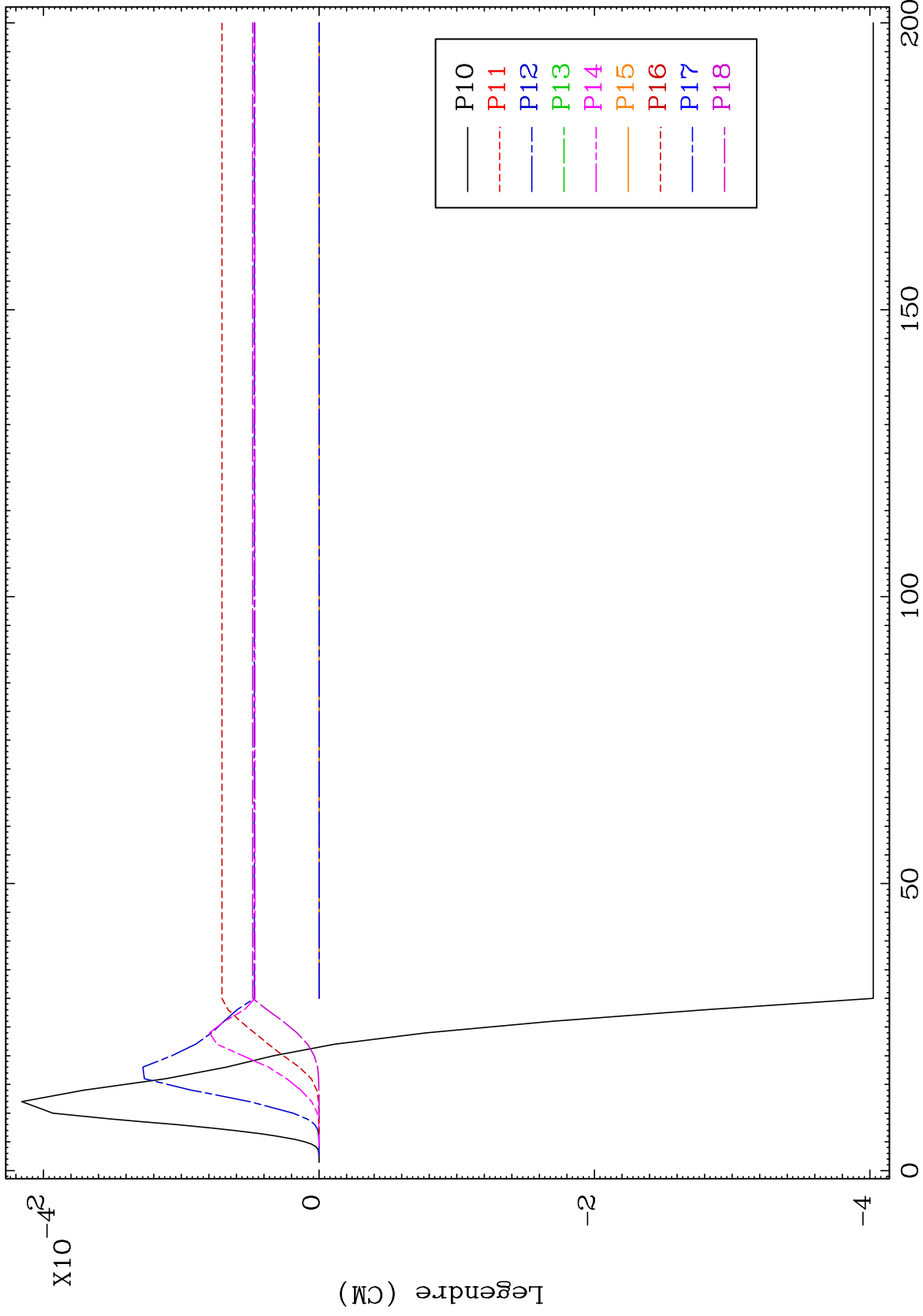
74-W -185



MAT 7440

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

74-W -185

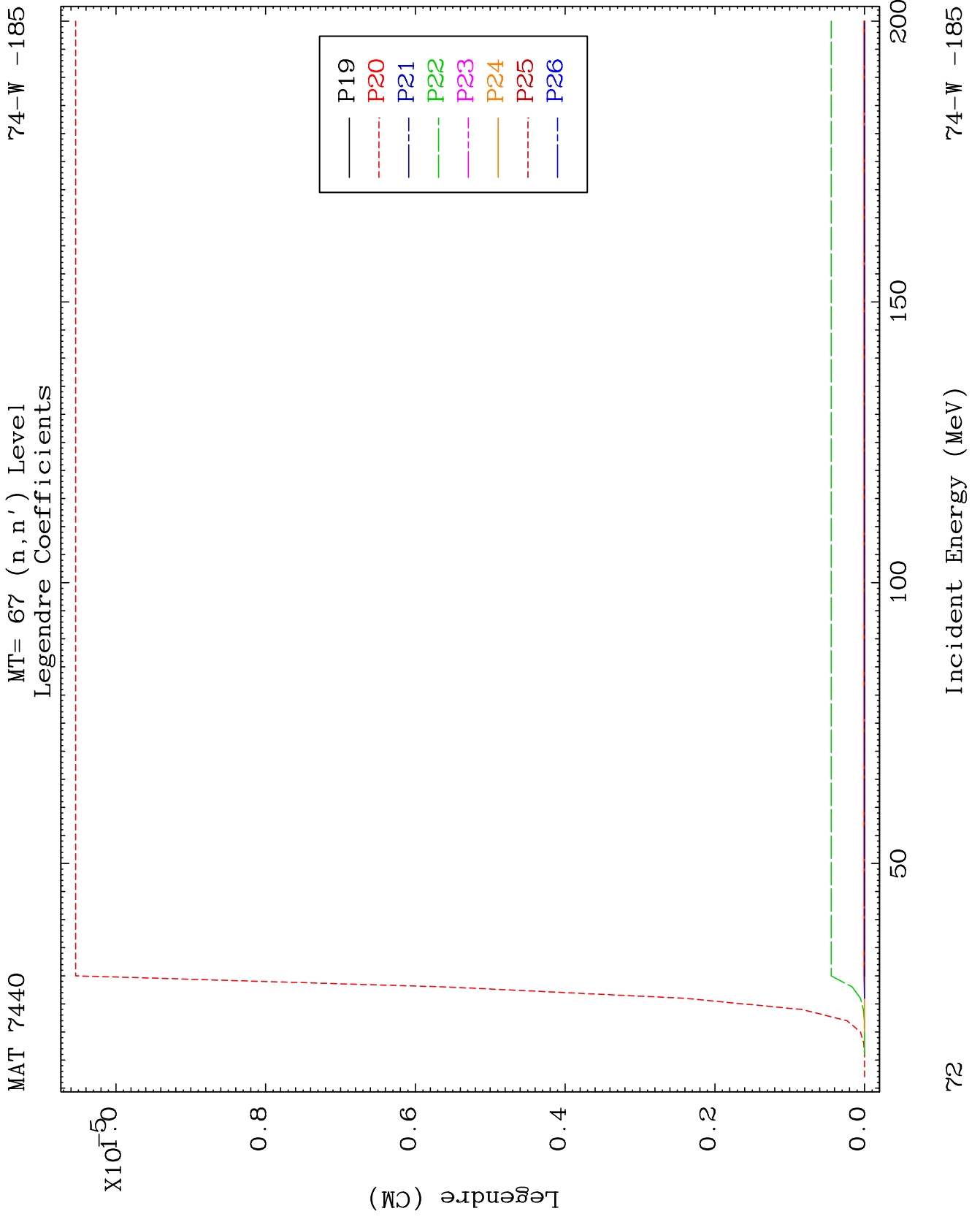


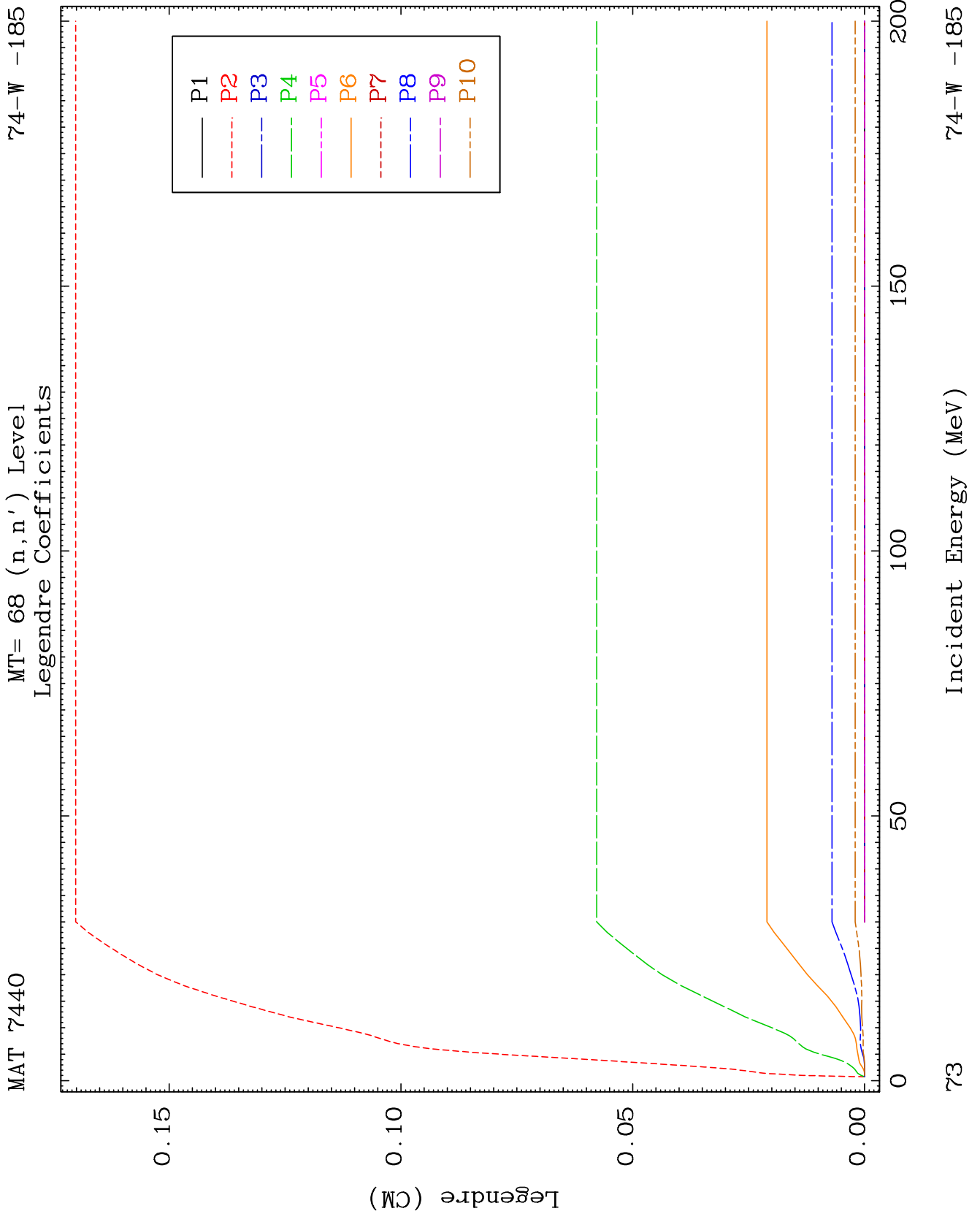
71

Incident Energy (MeV)

74-W -185



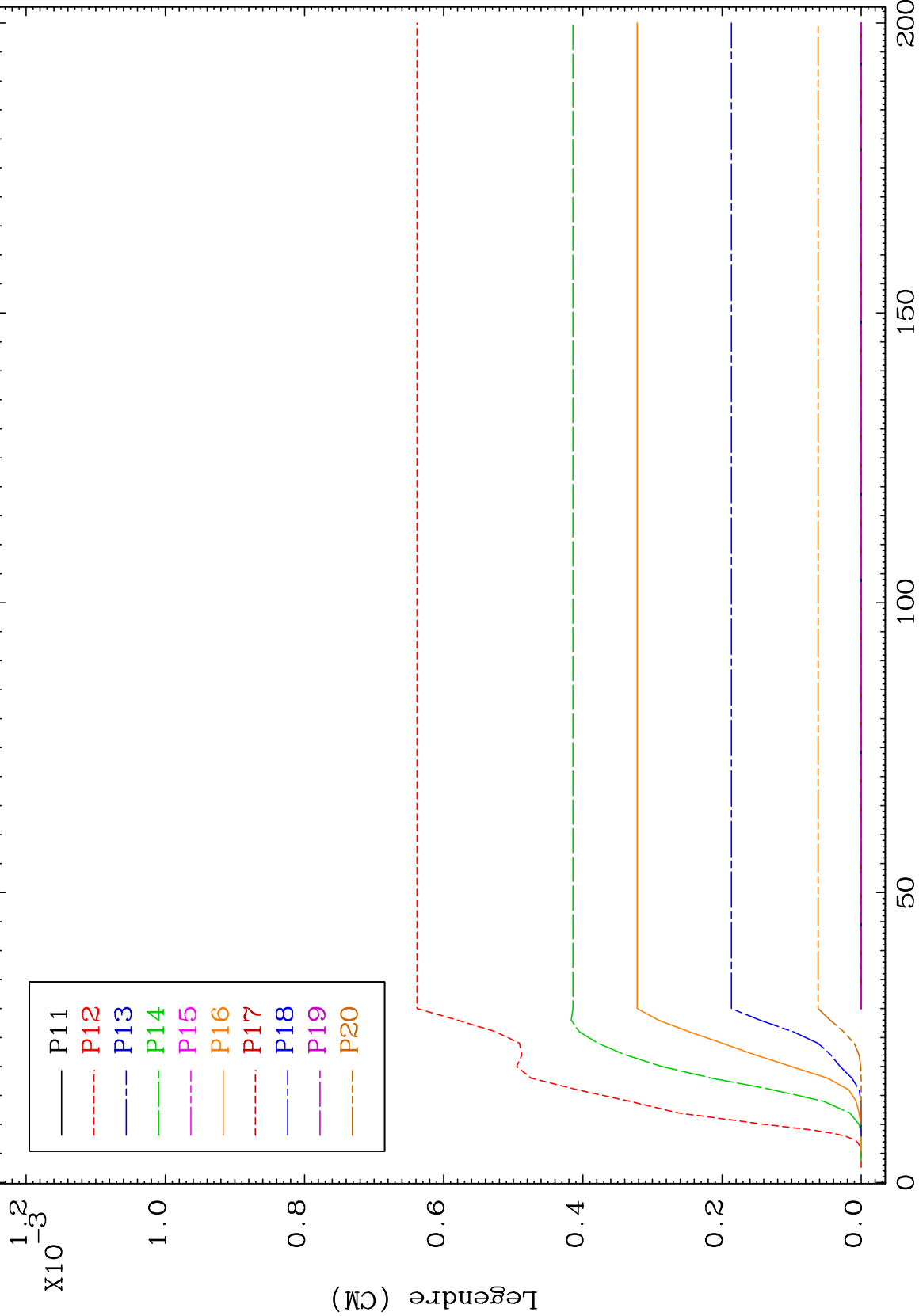




MAT 7440

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

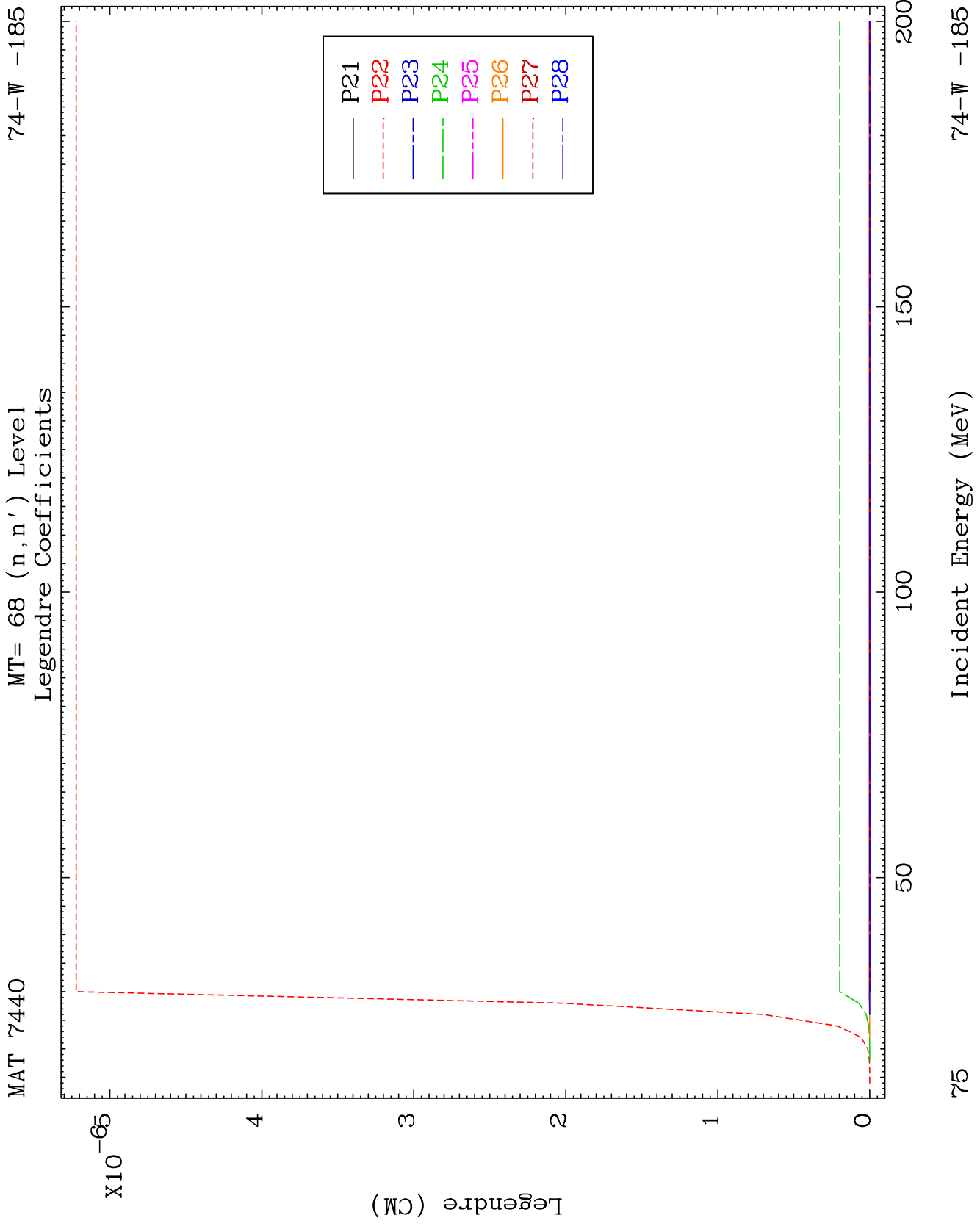
74-W -185

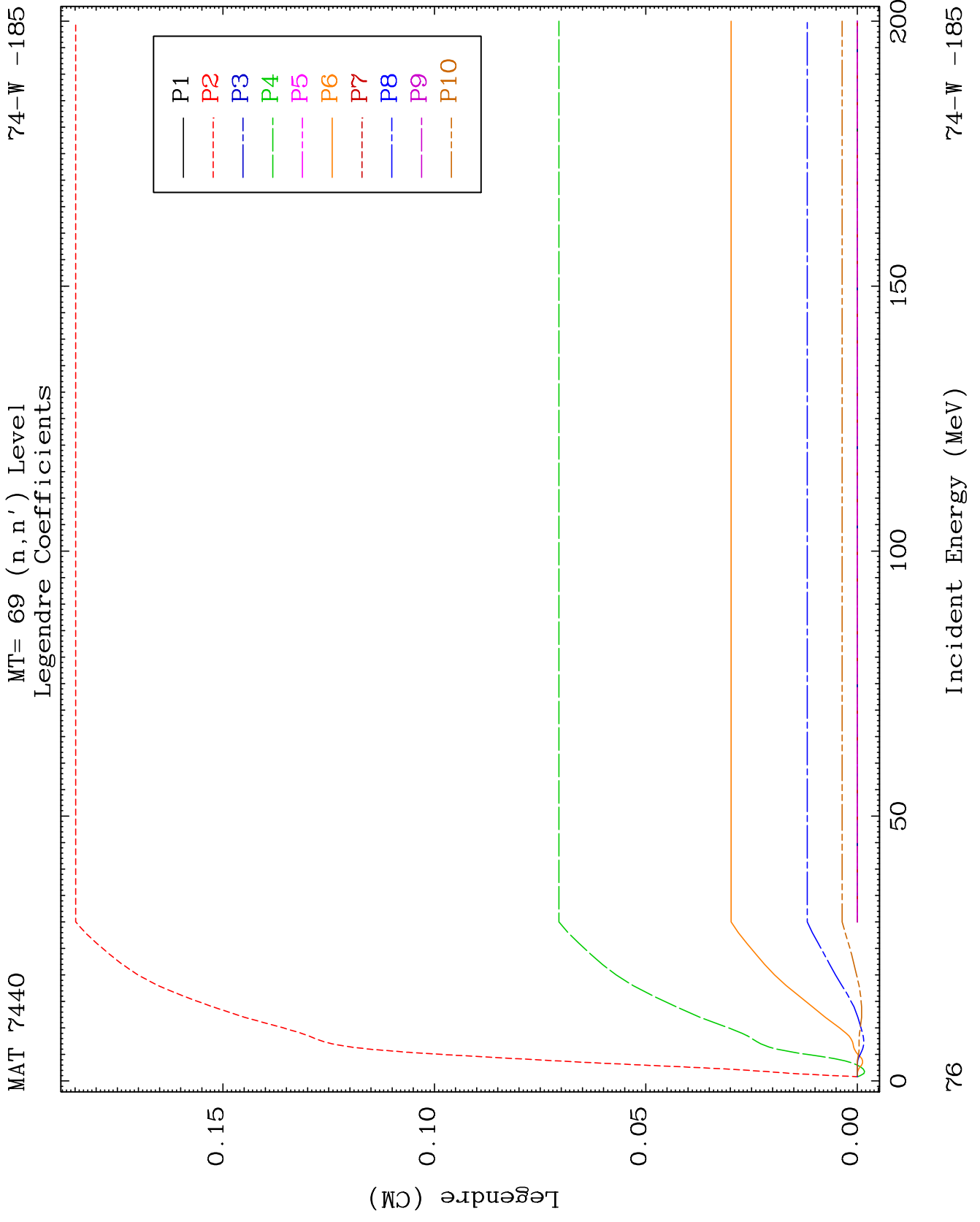


74

Incident Energy (MeV)

74-W -185

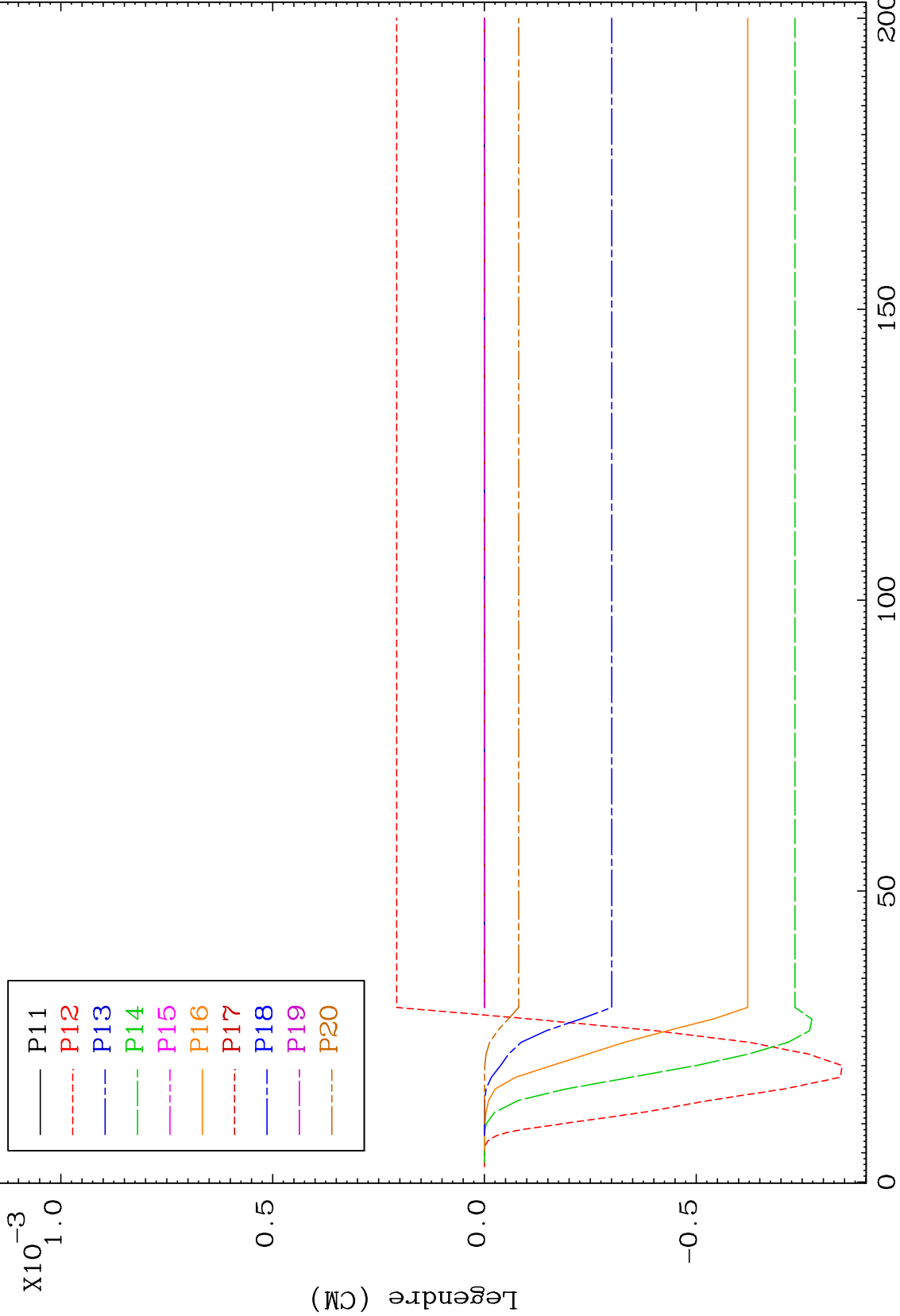
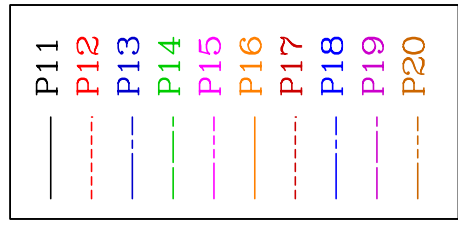




MAT 7440

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

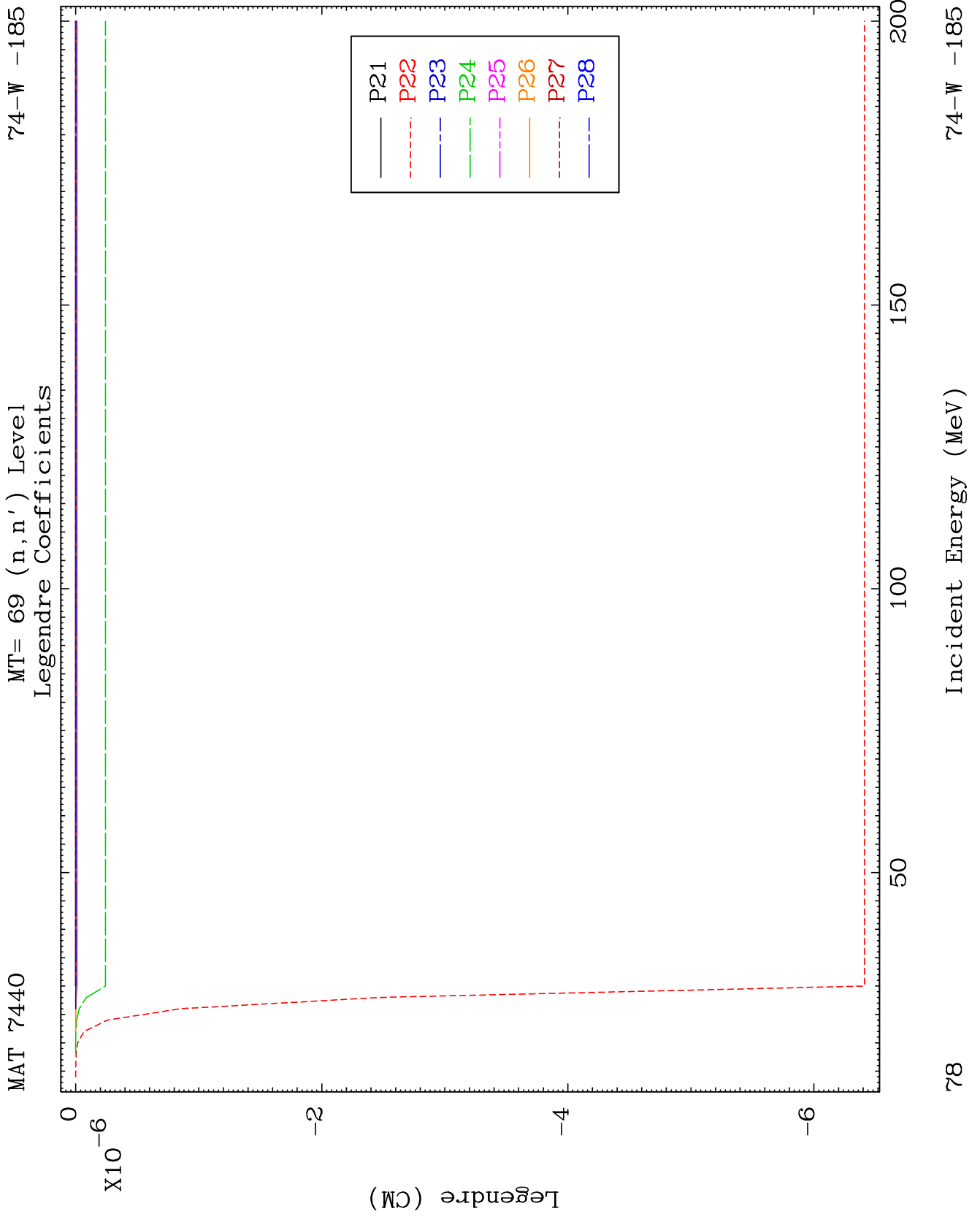
74-W -185

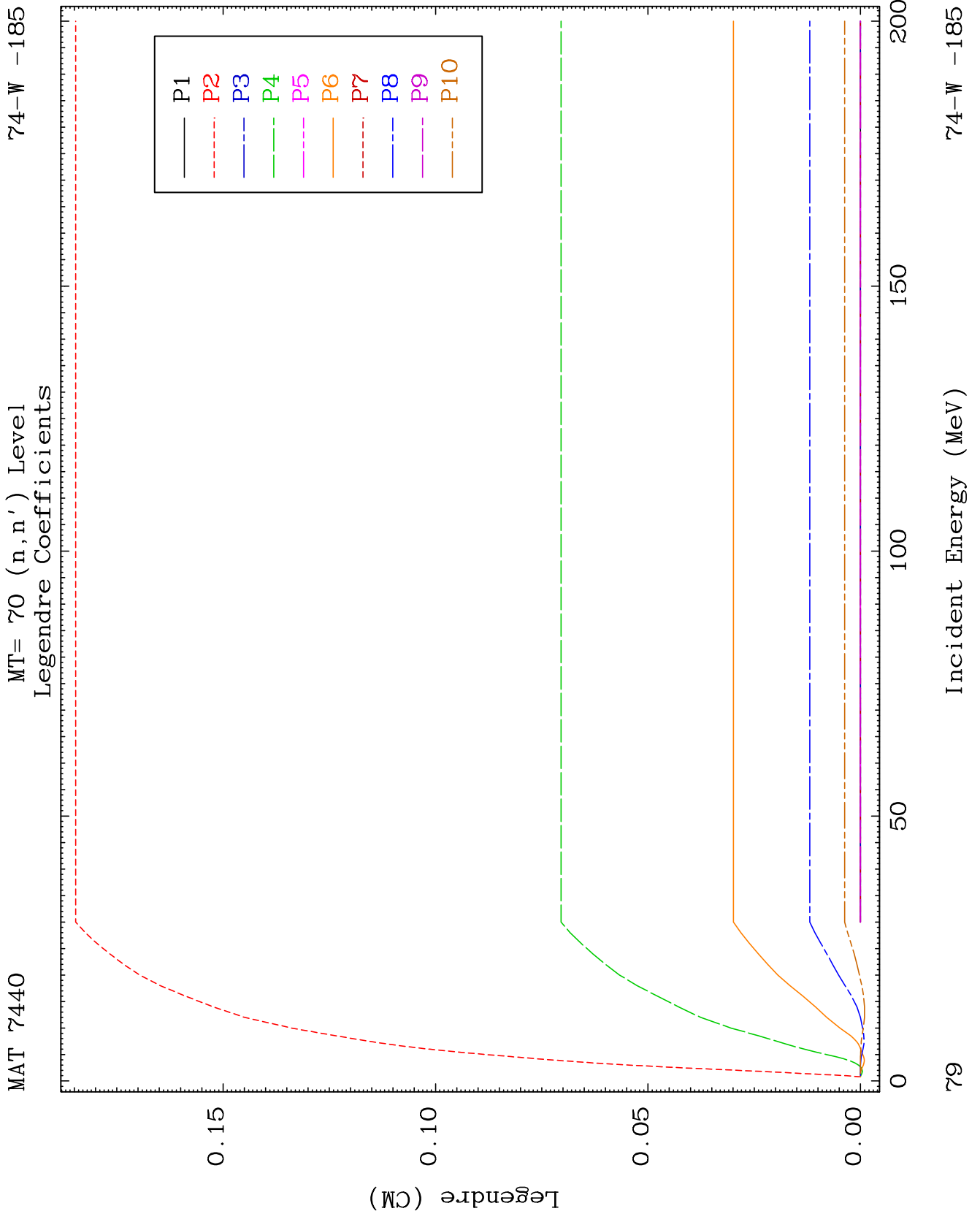


77

Incident Energy (MeV)

74-W -185



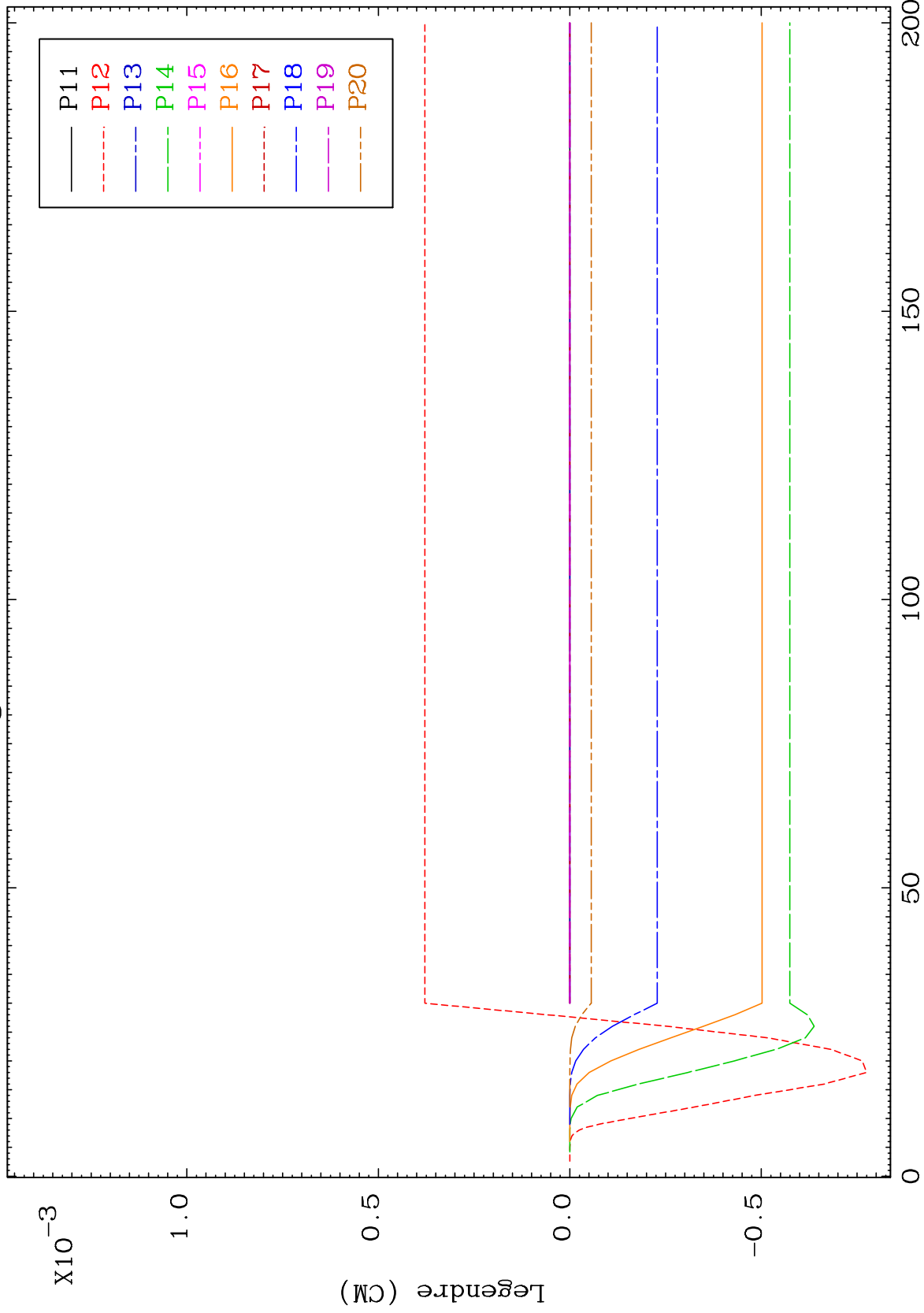




MAT 7440

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

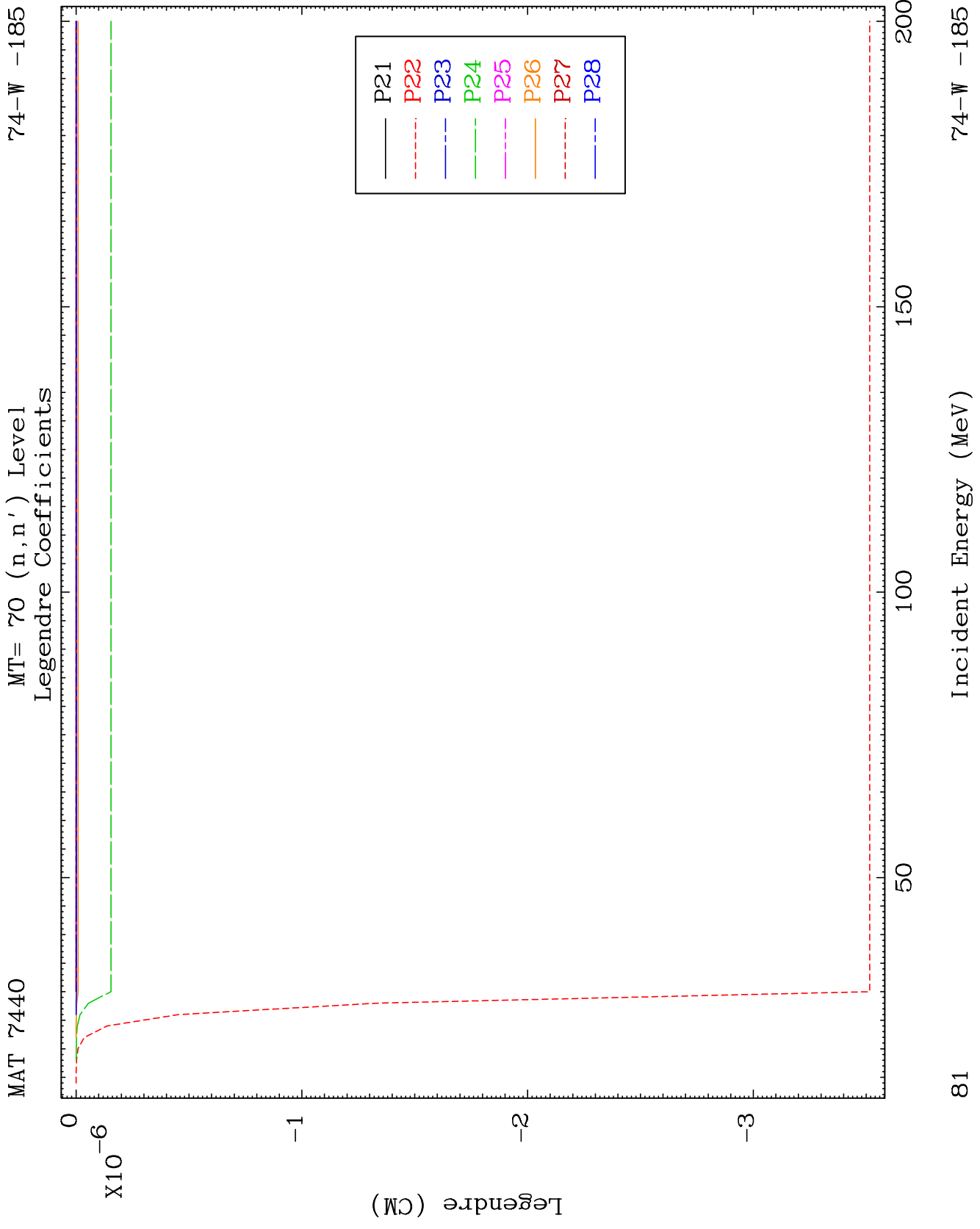
74-W -185



80

Incident Energy (MeV)

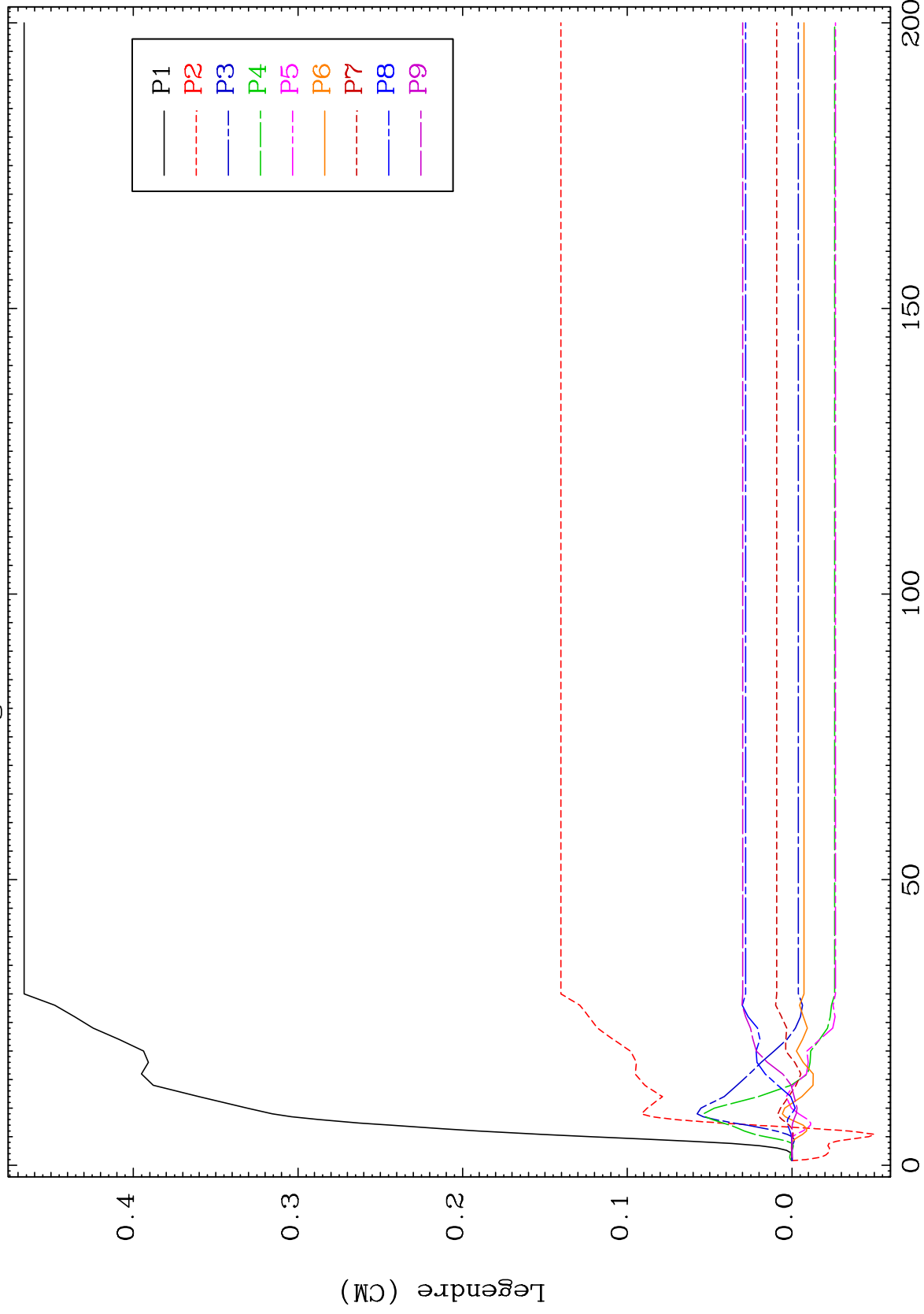
74-W -185



MAT 7440

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

74-W -185



74-W -185

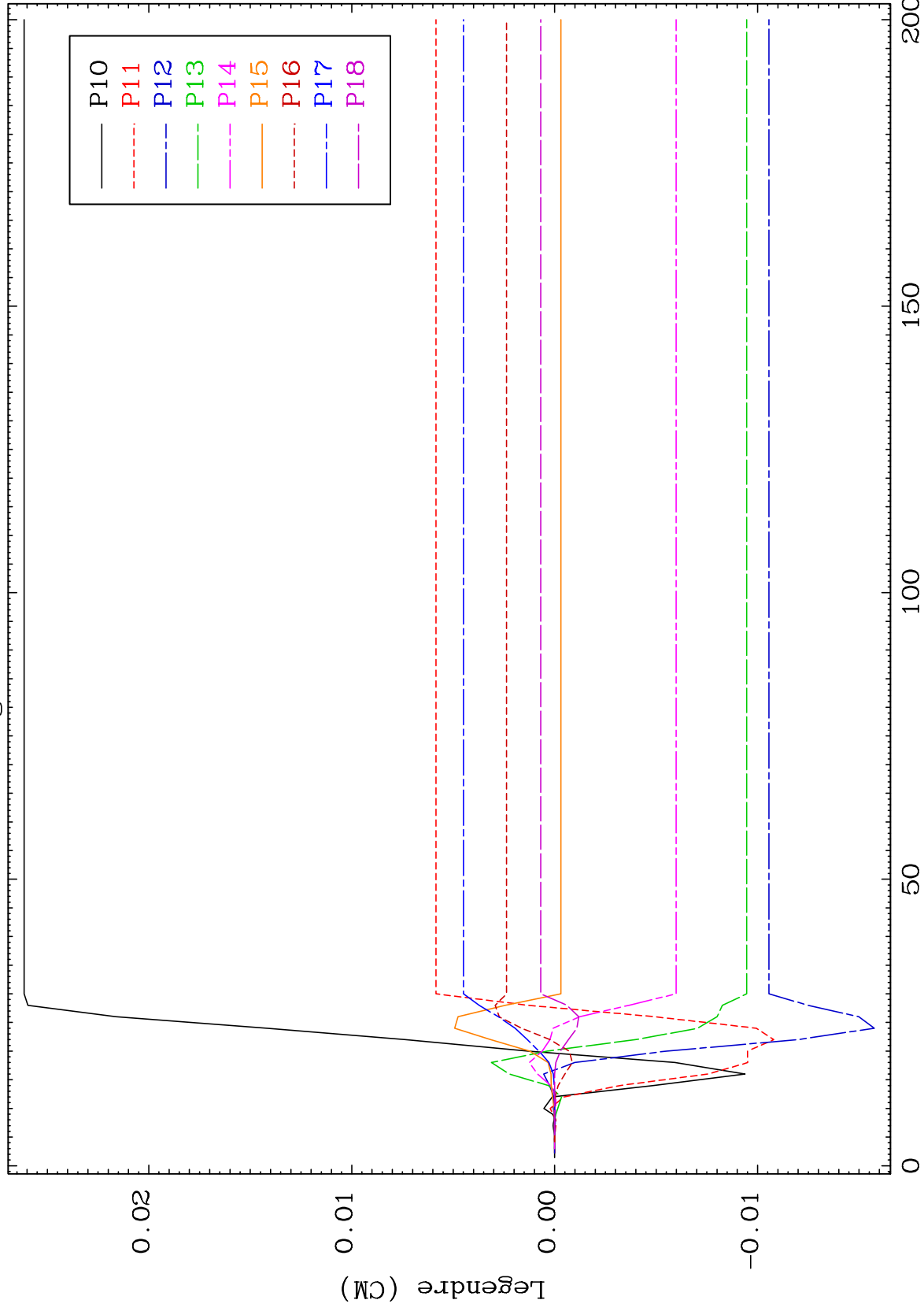
Incident Energy (MeV)

82

MAT 7440

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

74-W -185



83

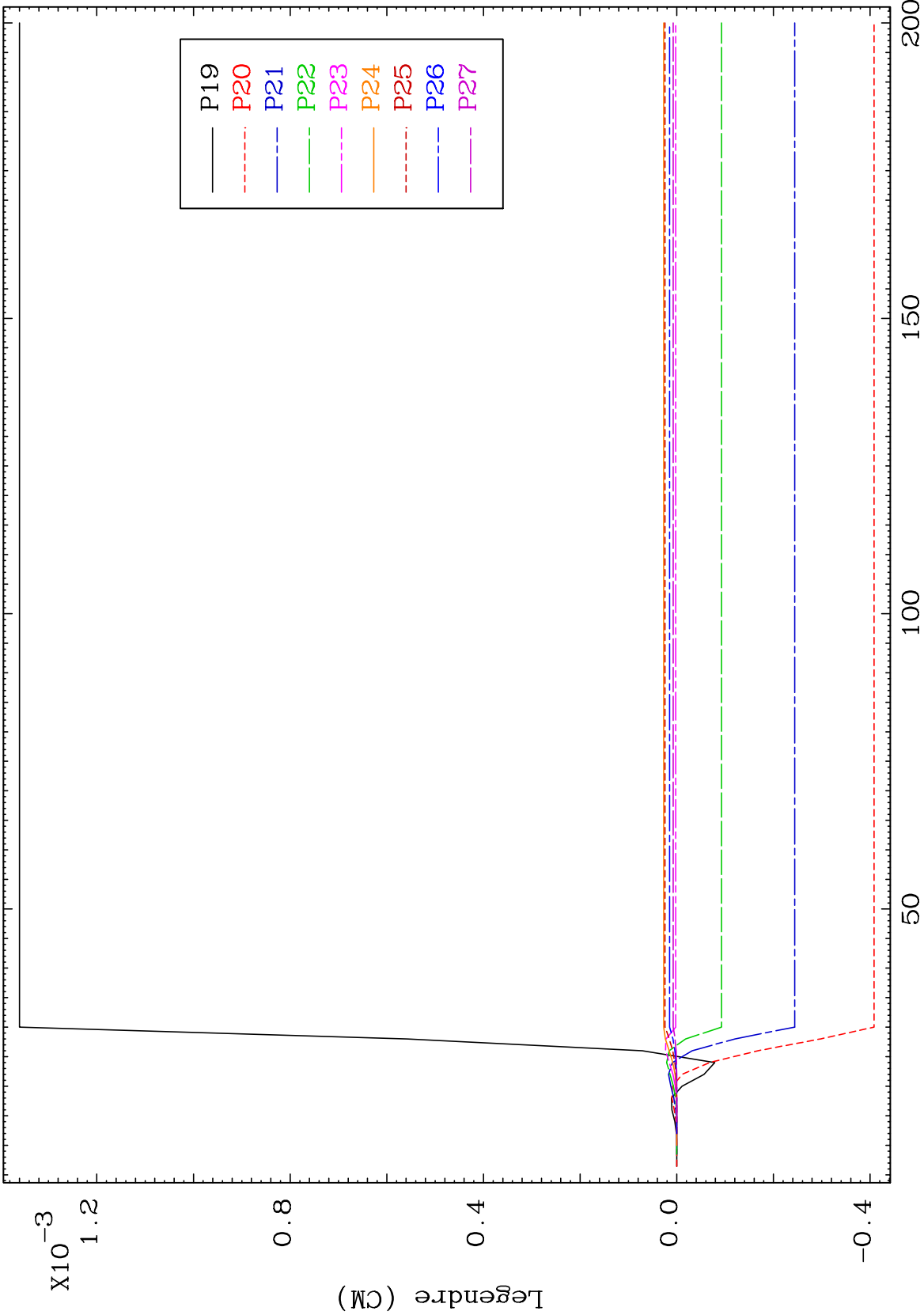
Incident Energy (MeV)

74-W -185

MAT 7440

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

74-W -185



84

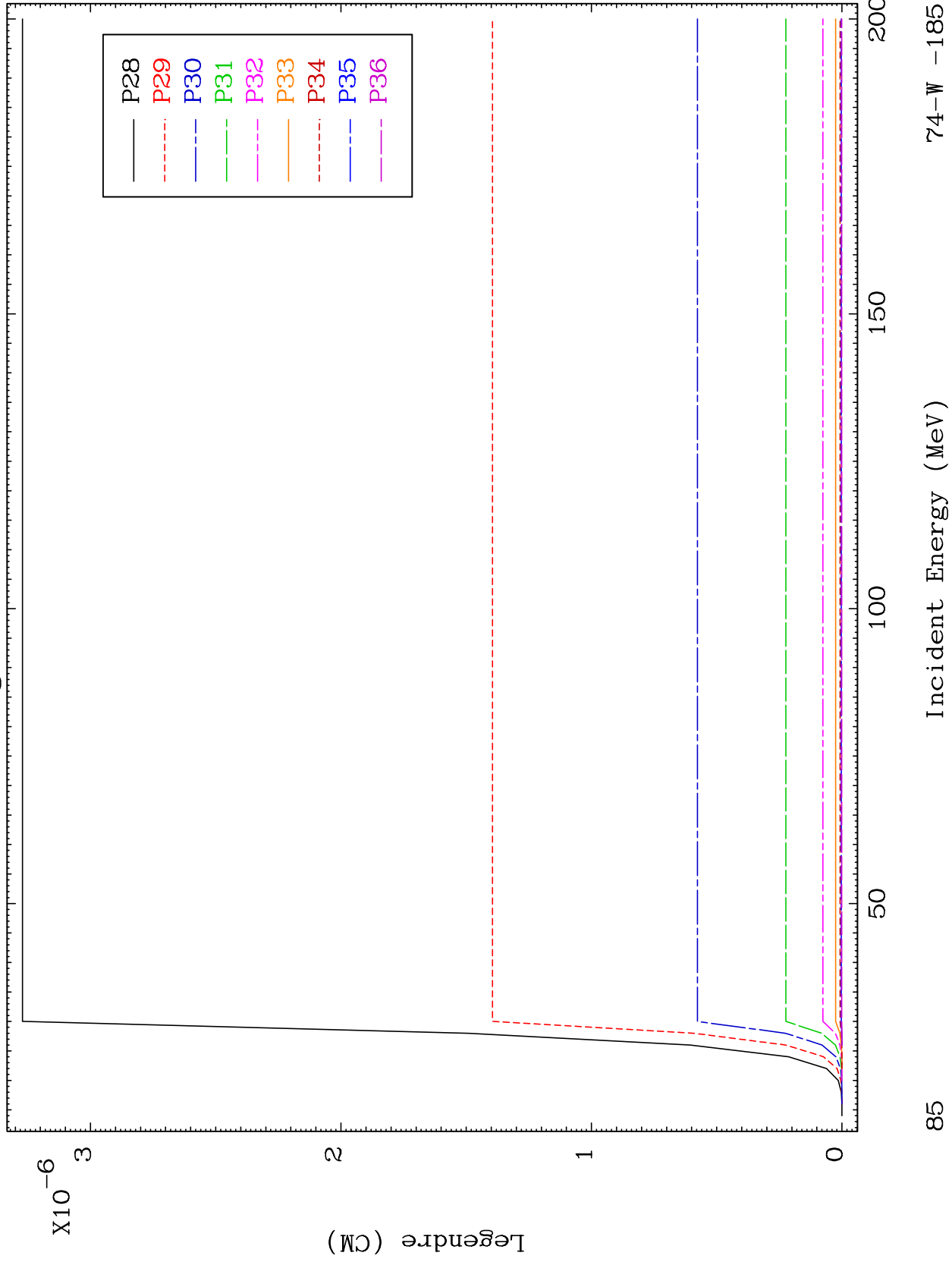
Incident Energy (MeV)

74-W -185

MAT 7440

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

74-W -185



85

Incident Energy (MeV)

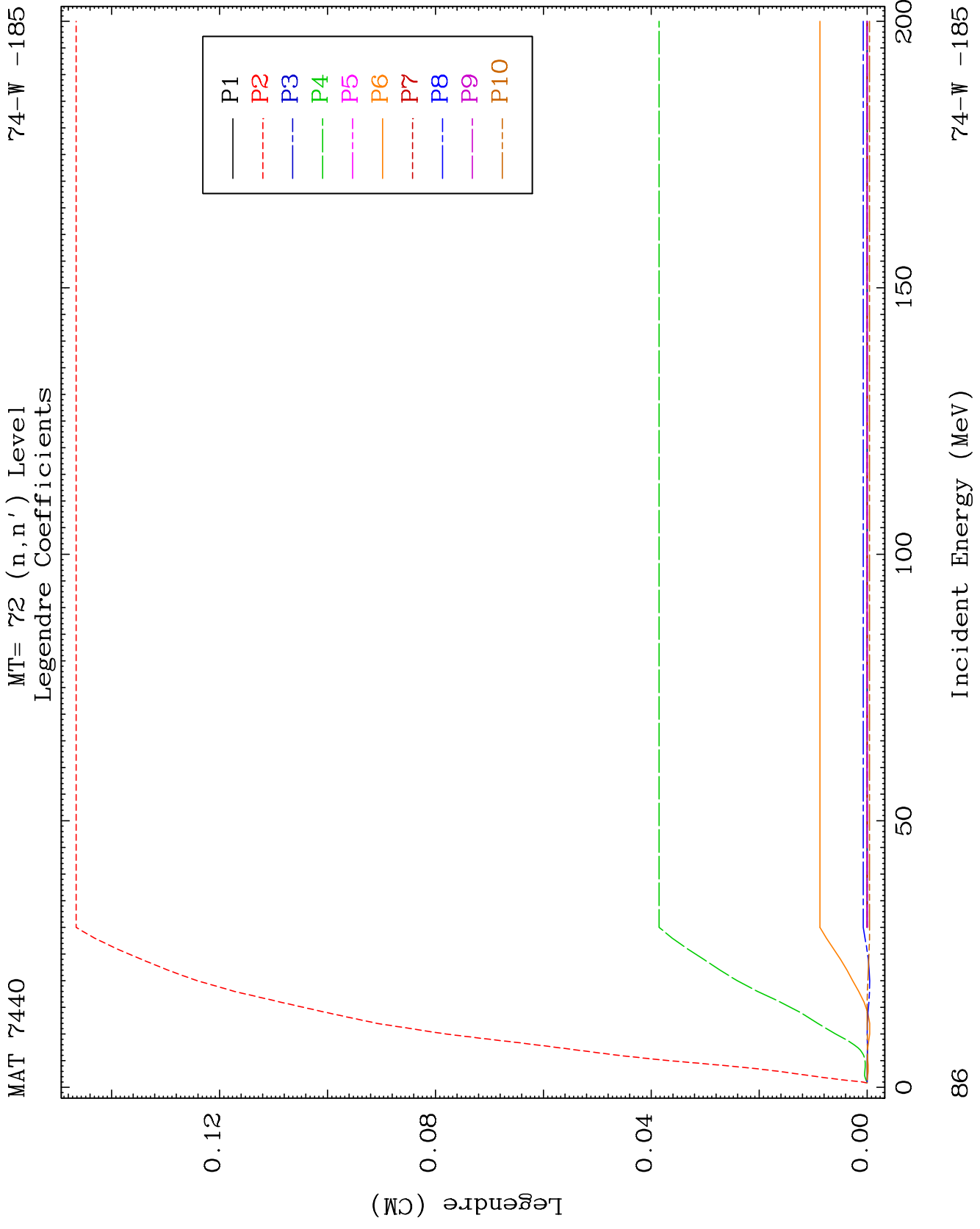
74-W -185

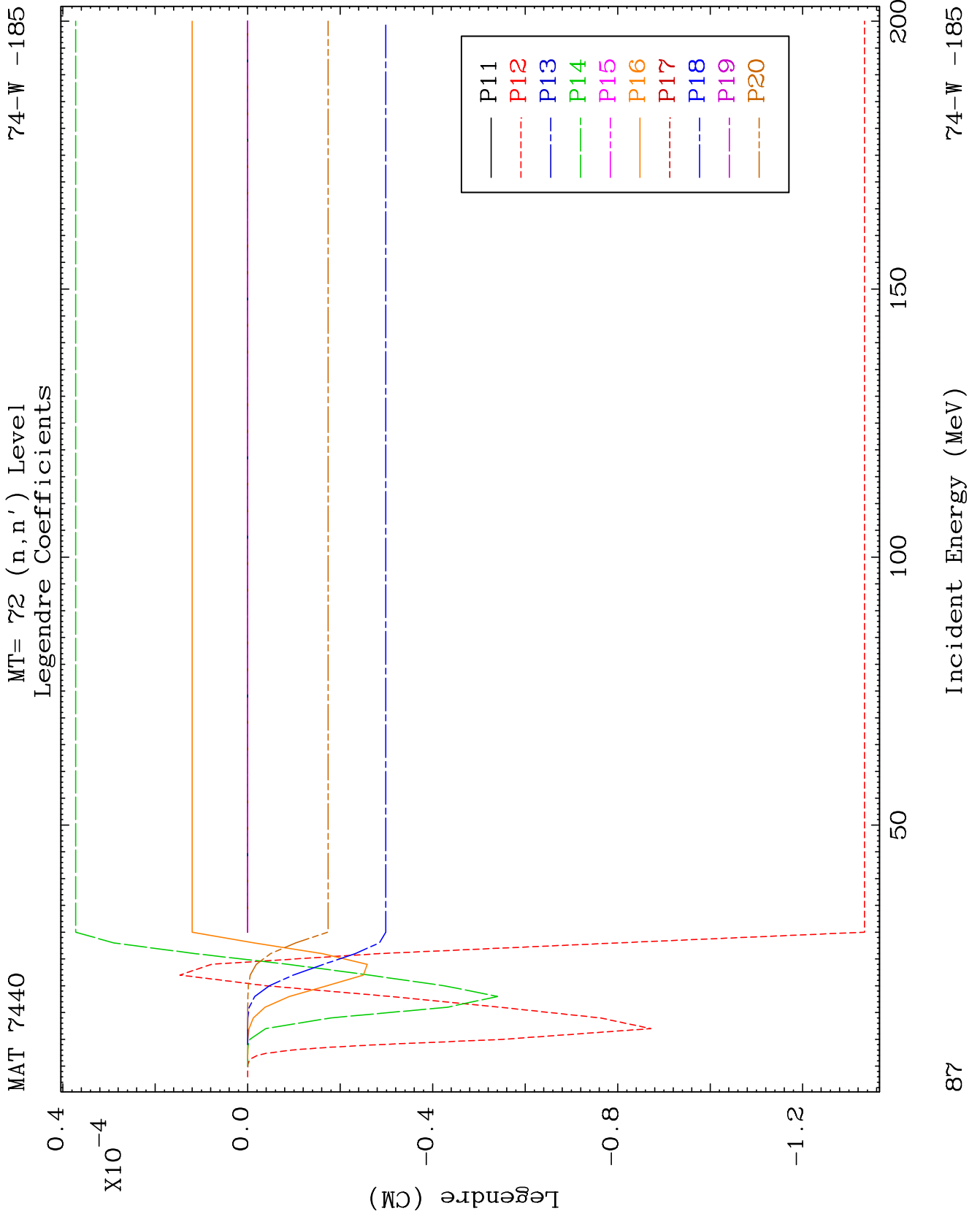
200

150

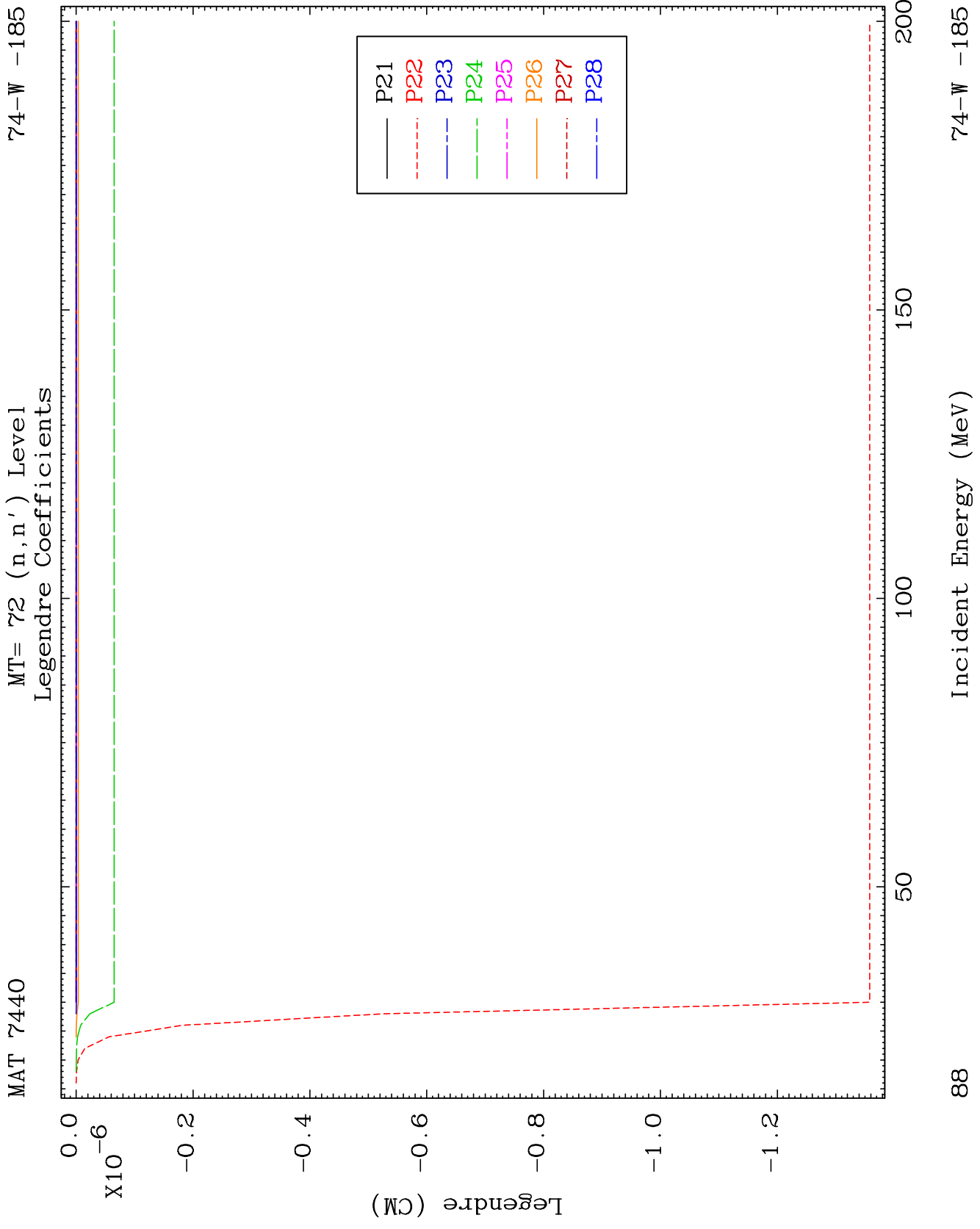
100

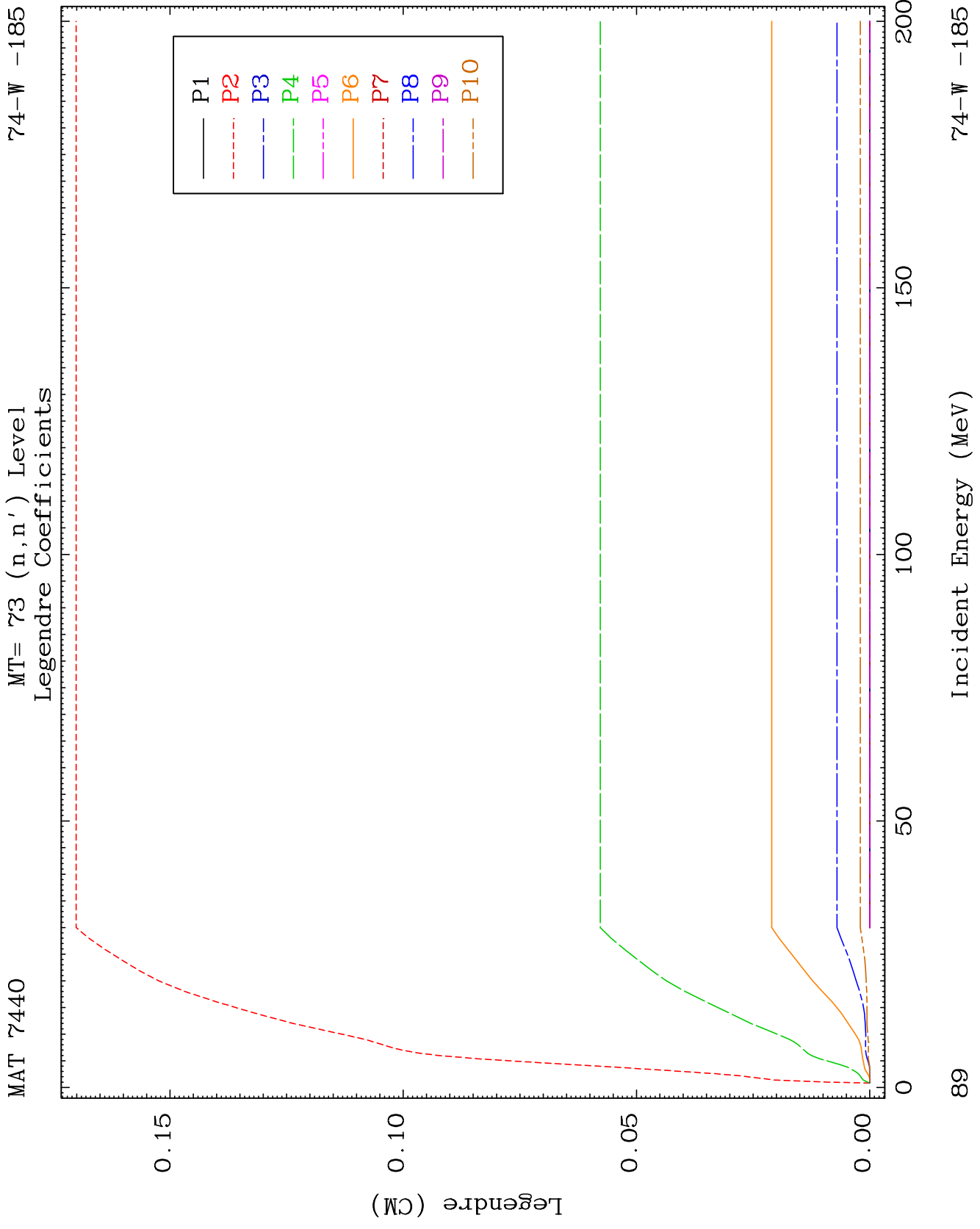
50







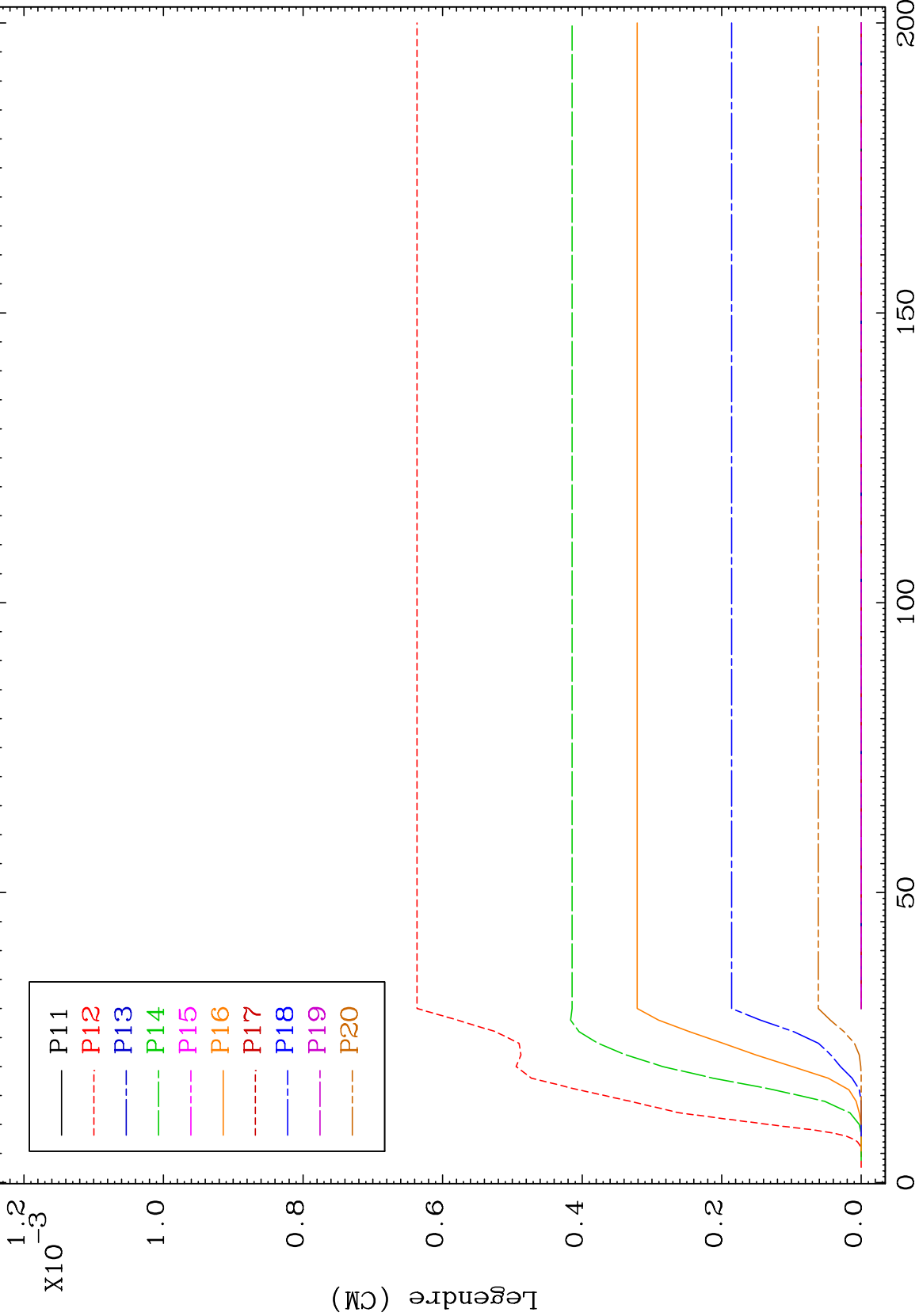




MAT 7440

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

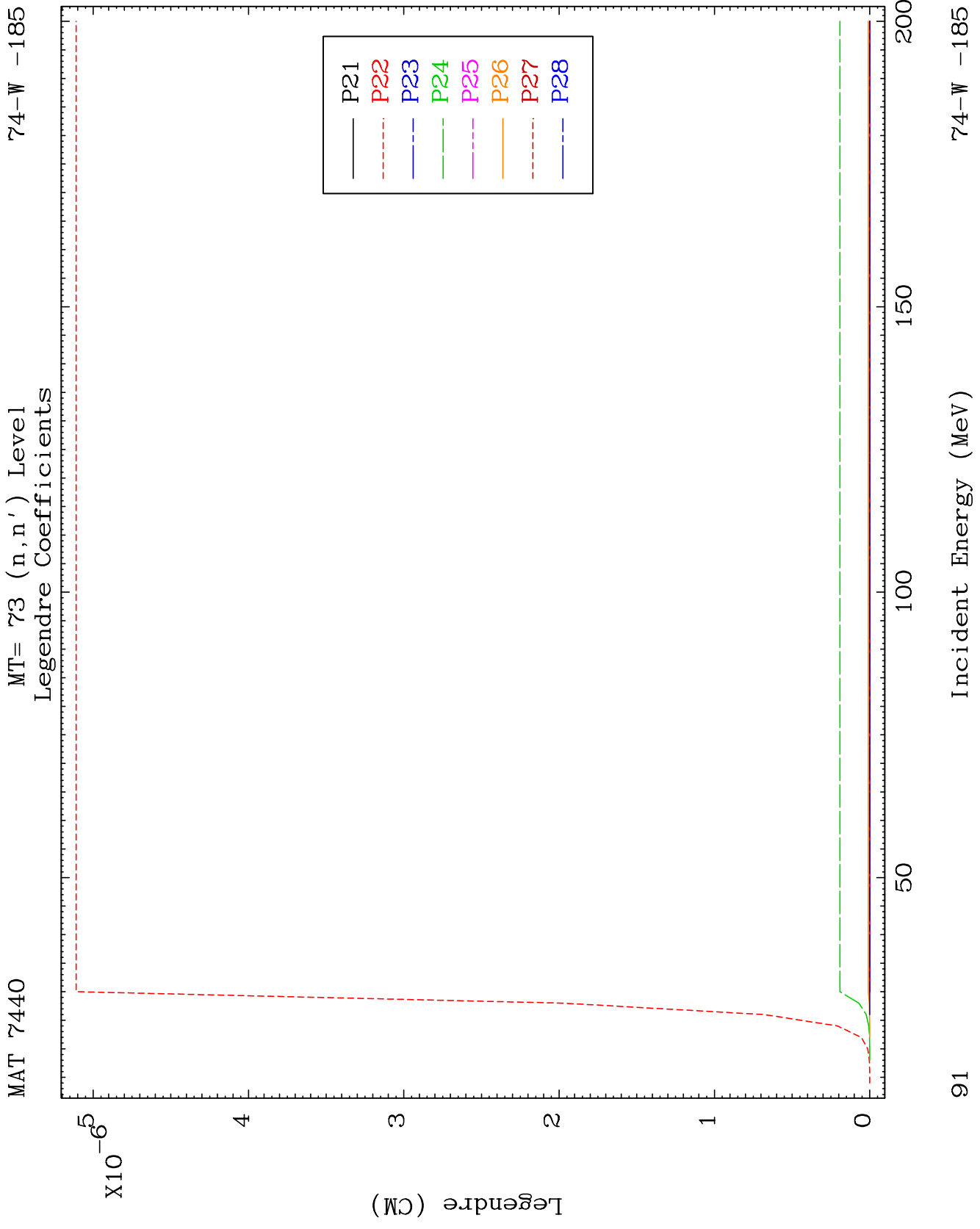
74-W -185



90

Incident Energy (MeV)

74-W -185

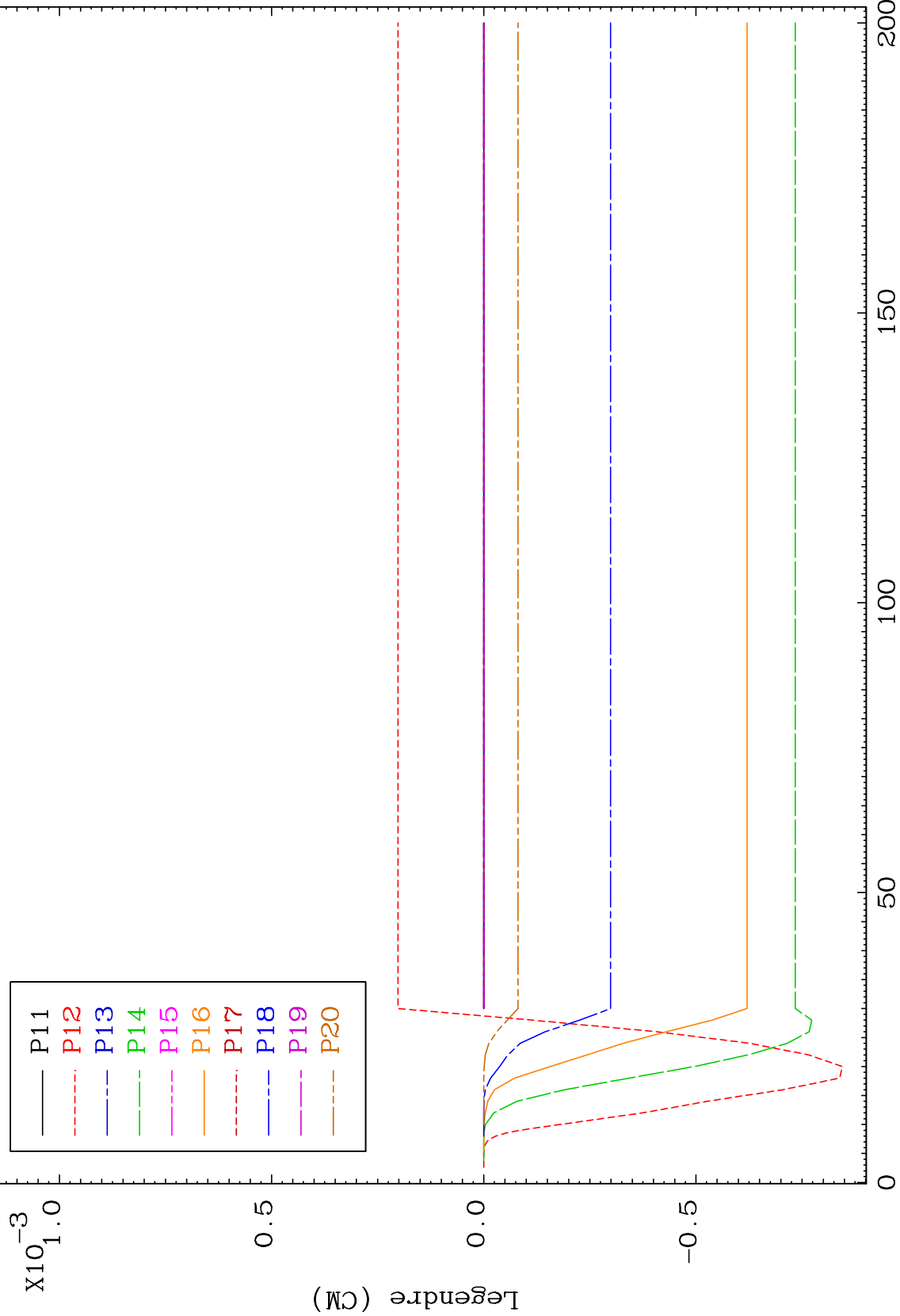
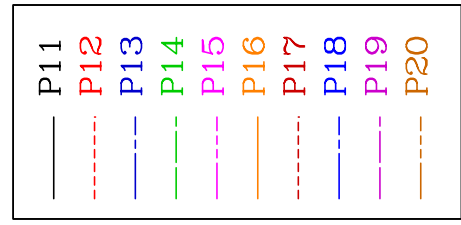




MAT 7440

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

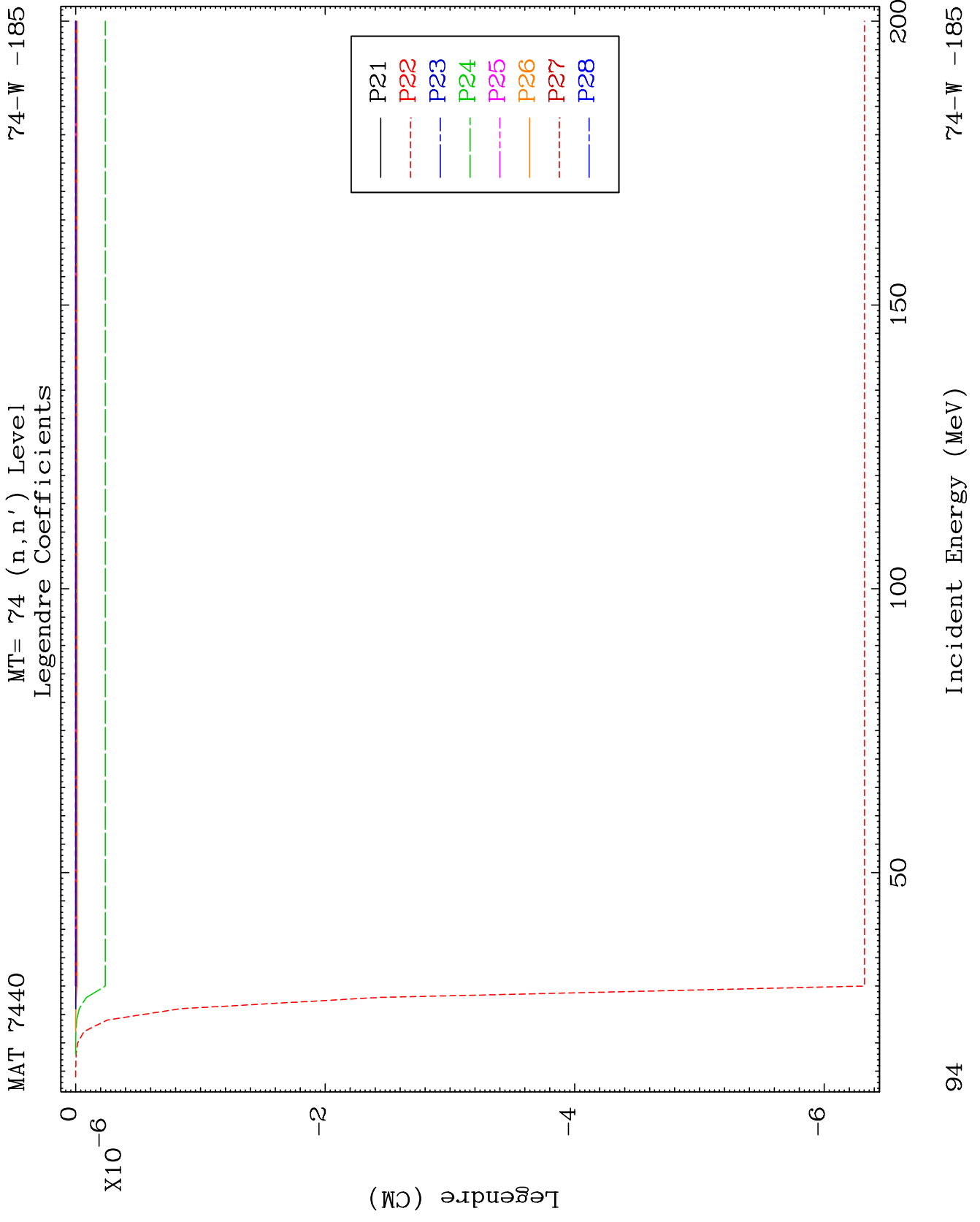
74-W -185



93

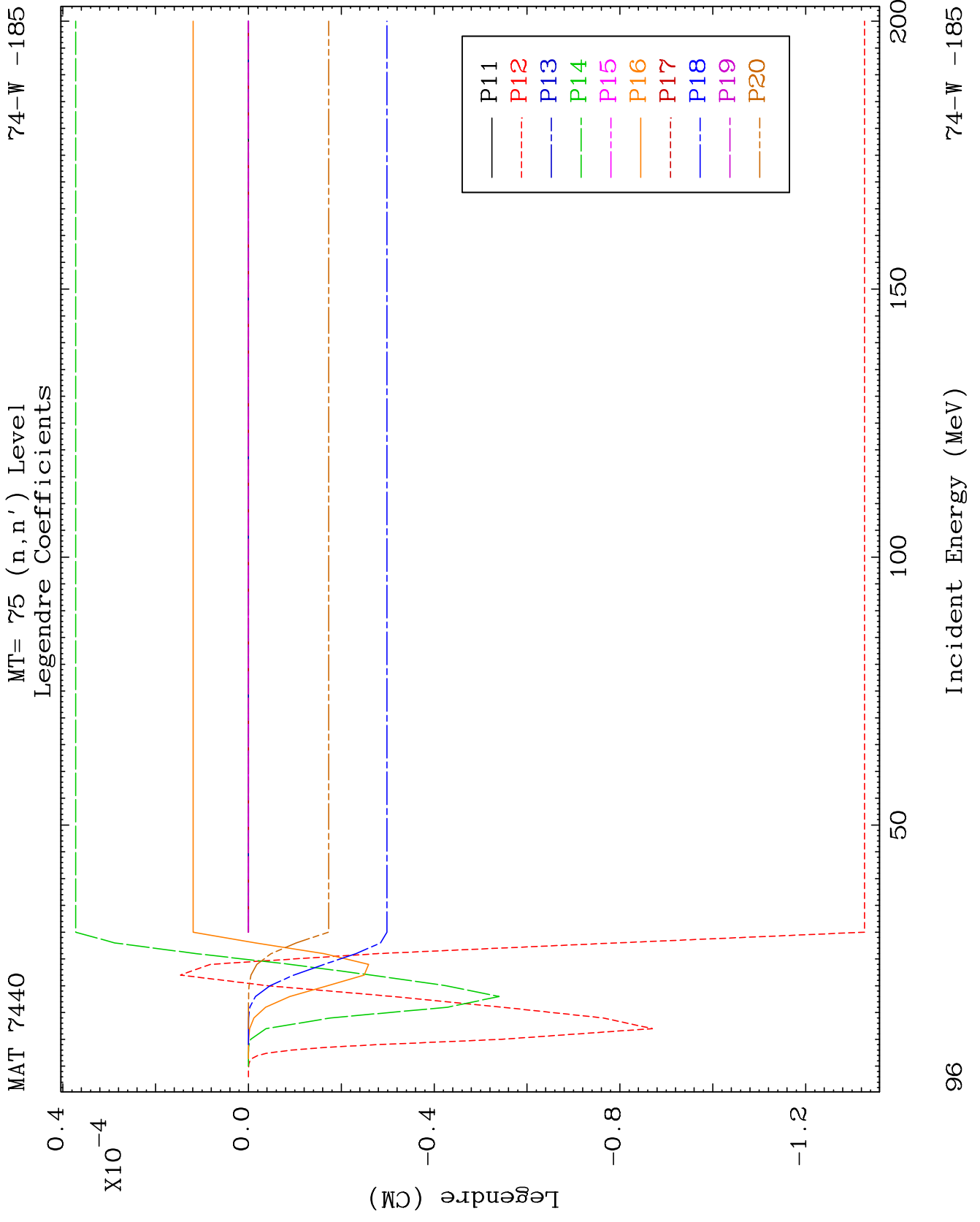
Incident Energy (MeV)

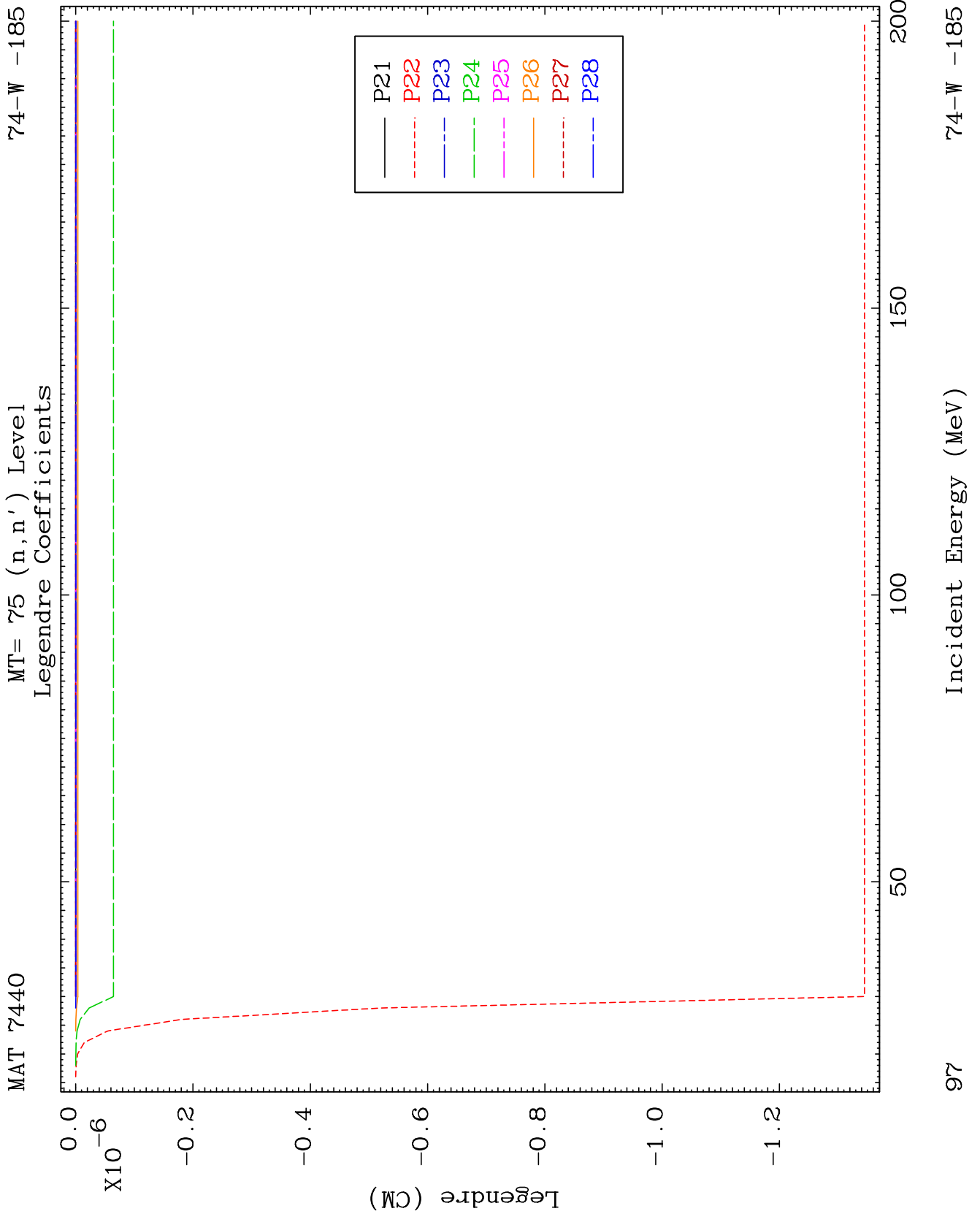
74-W -185







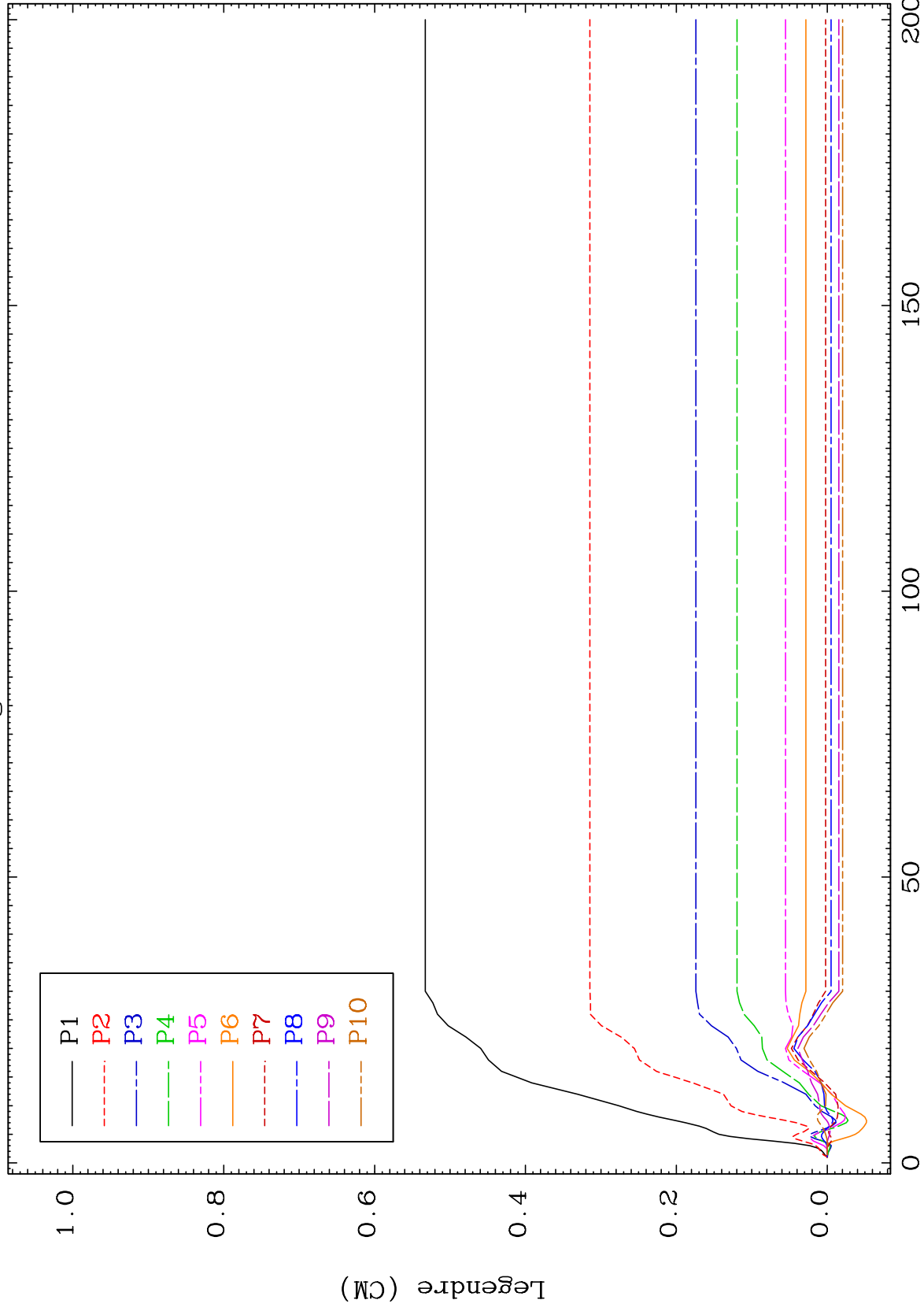




MAT 7440

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

74-W -185



98

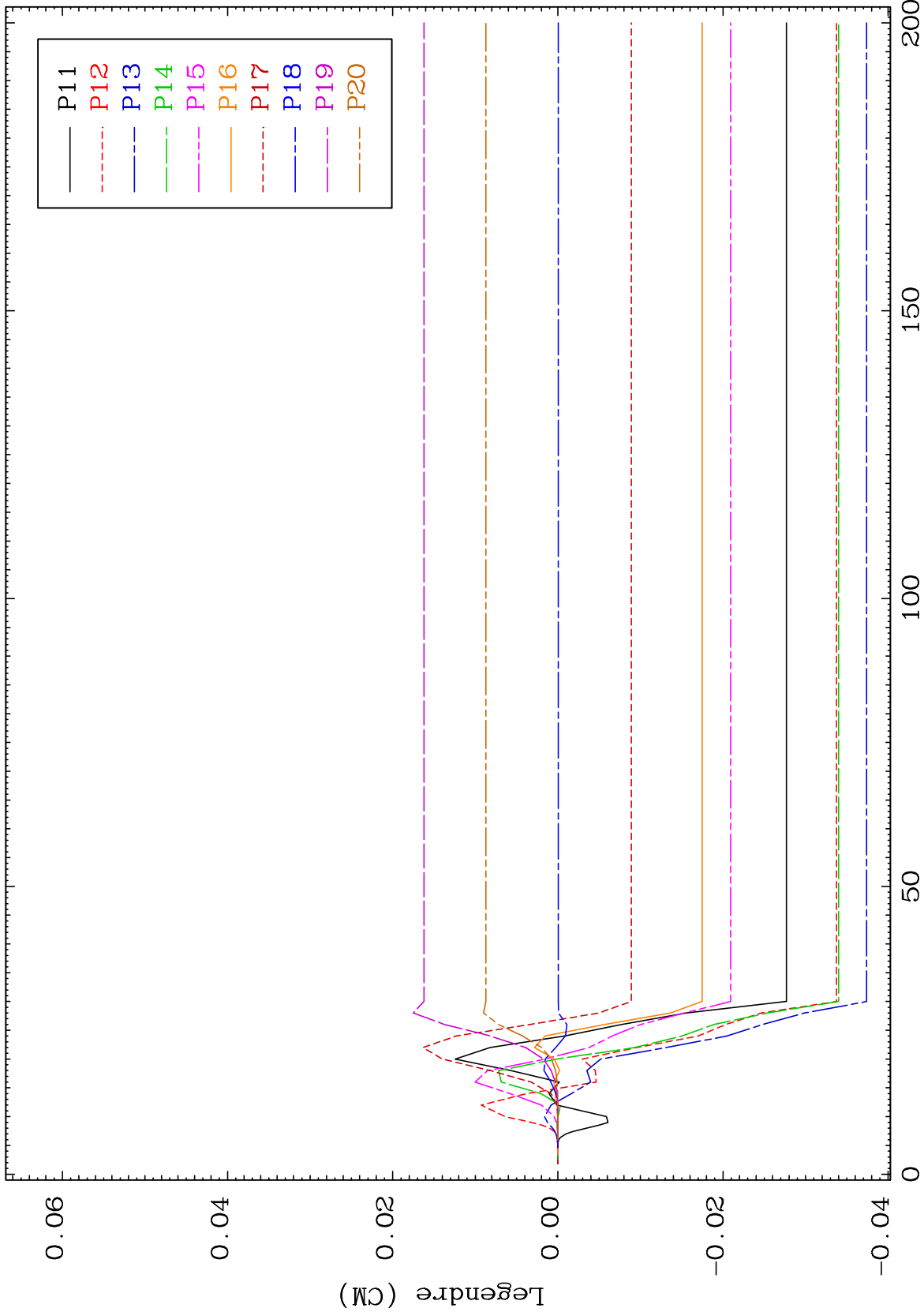
Incident Energy (MeV)

74-W -185

MAT 7440

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

74-W -185



99

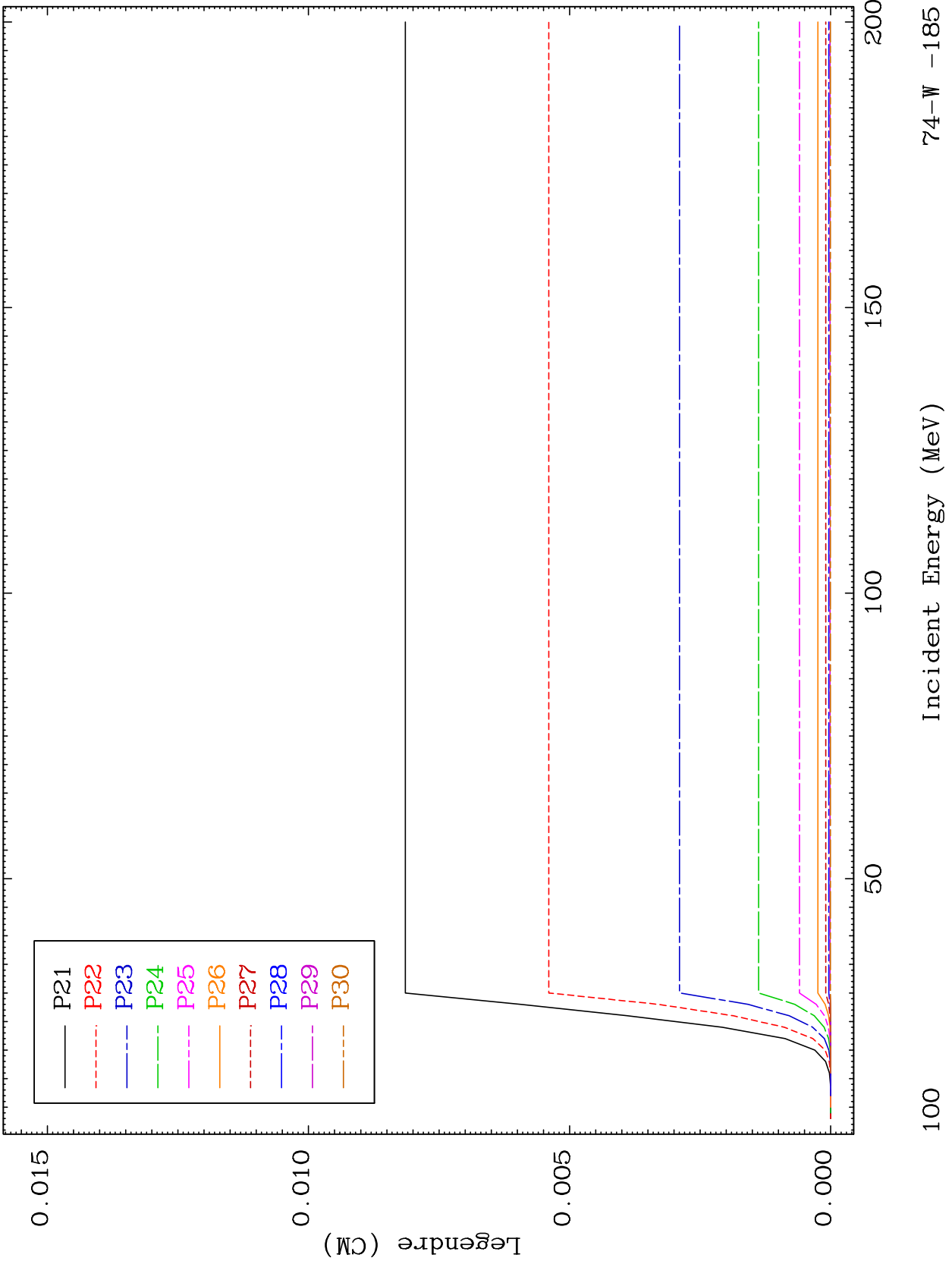
Incident Energy (MeV)

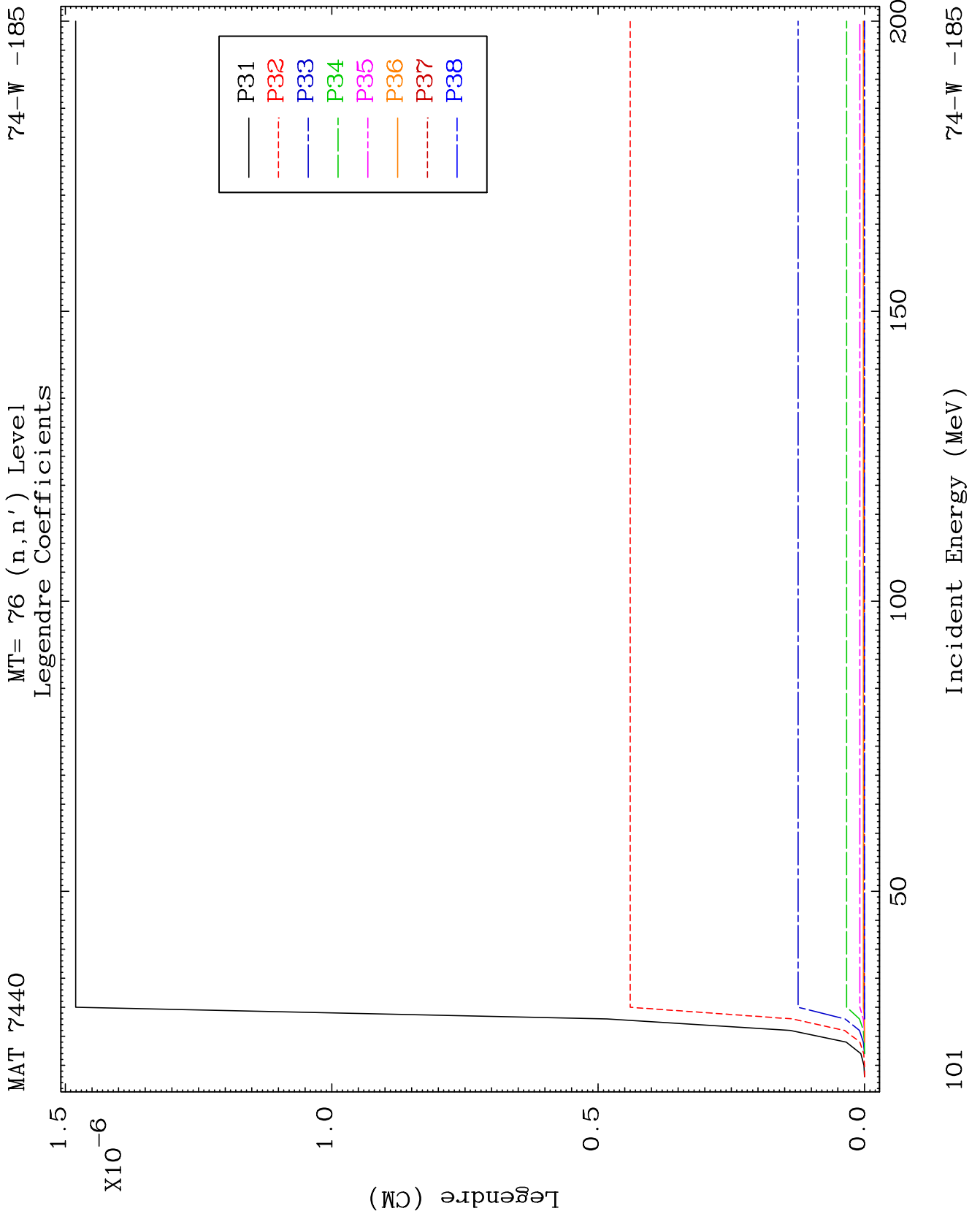
74-W -185

MAT 7440

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

74-W -185

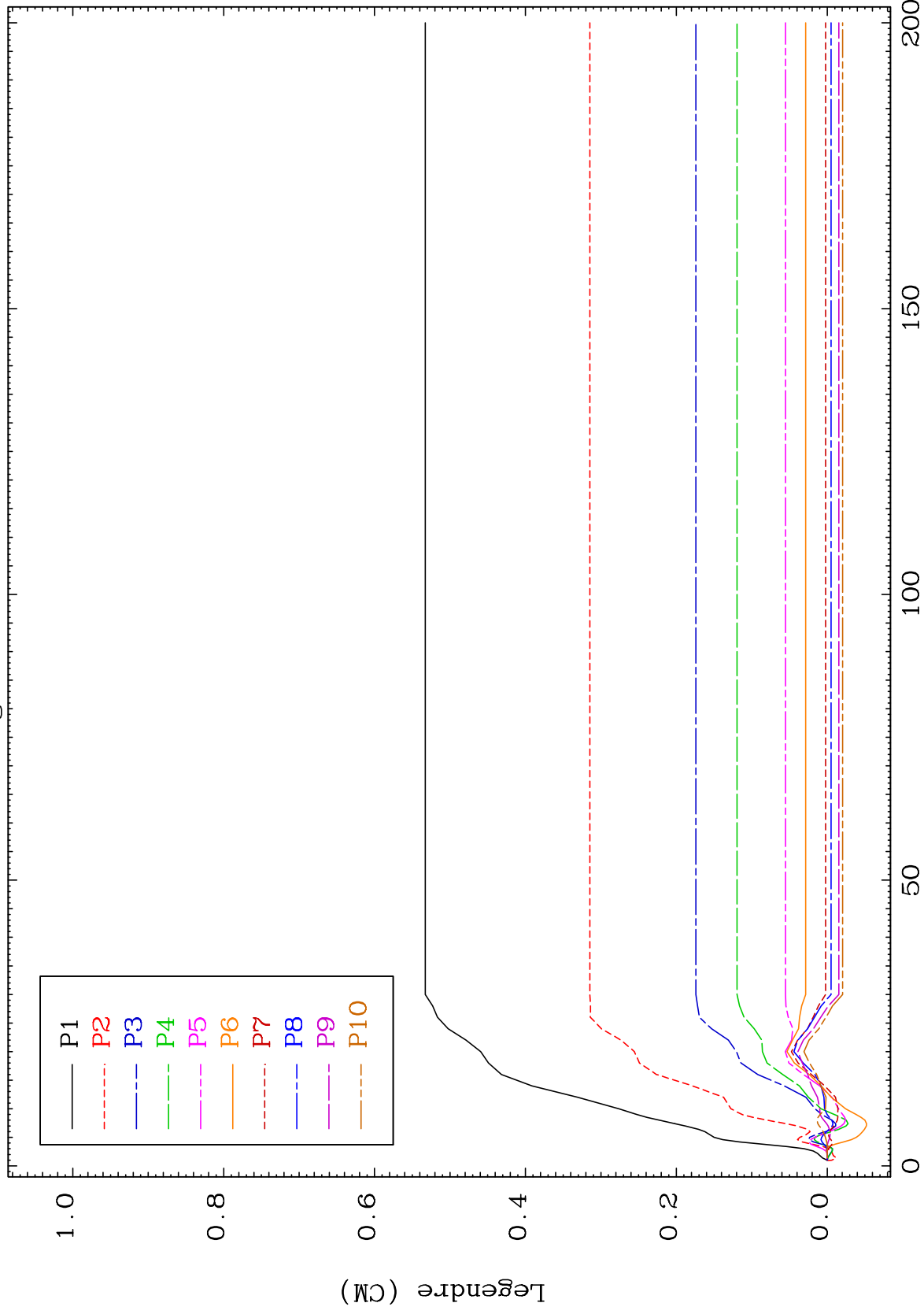




MAT 7440

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

74-W -185



102

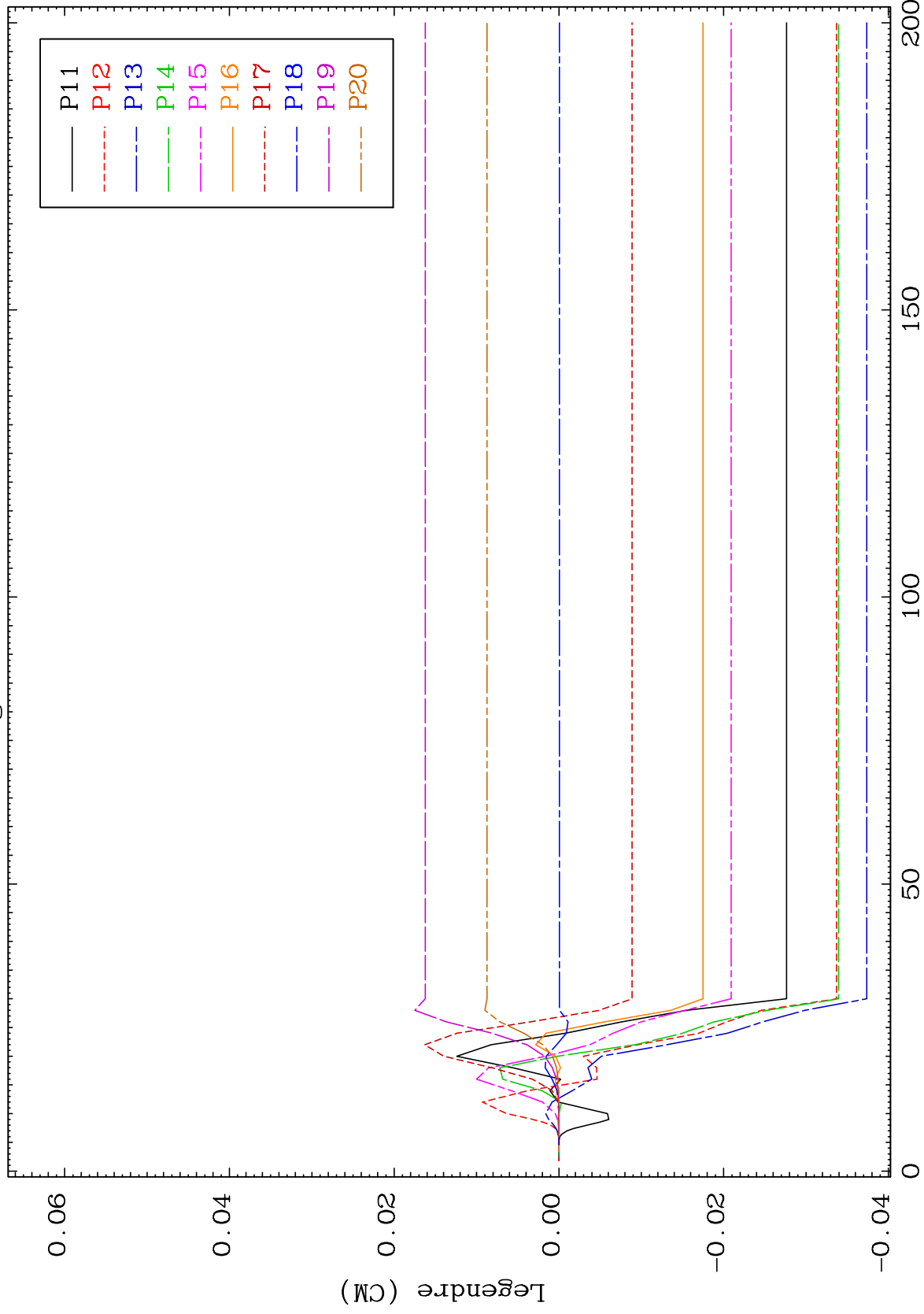
Incident Energy (MeV)

74-W -185

MAT 7440

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

74-W -185



103

Incident Energy (MeV)

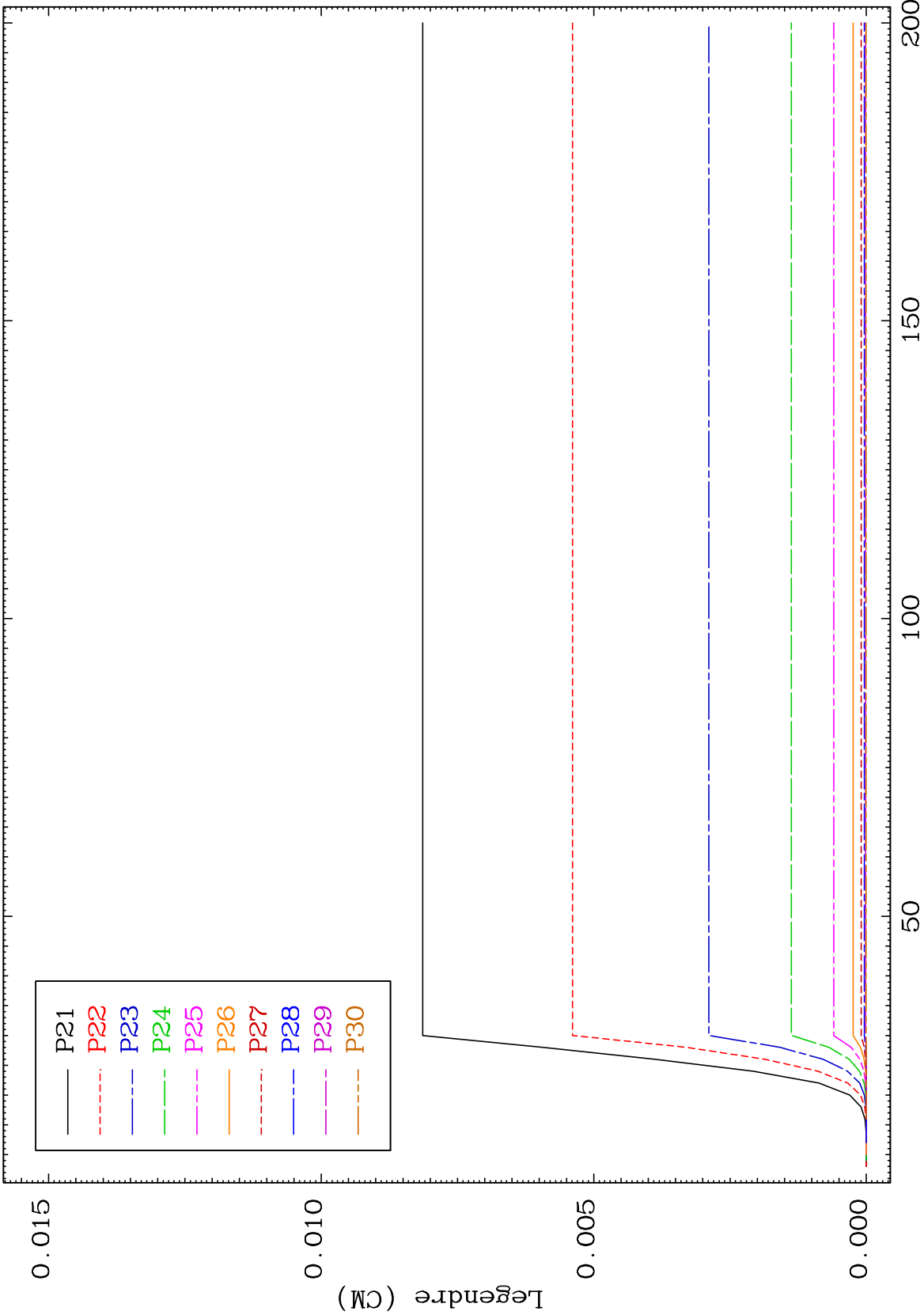
74-W -185



MAT 7440

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

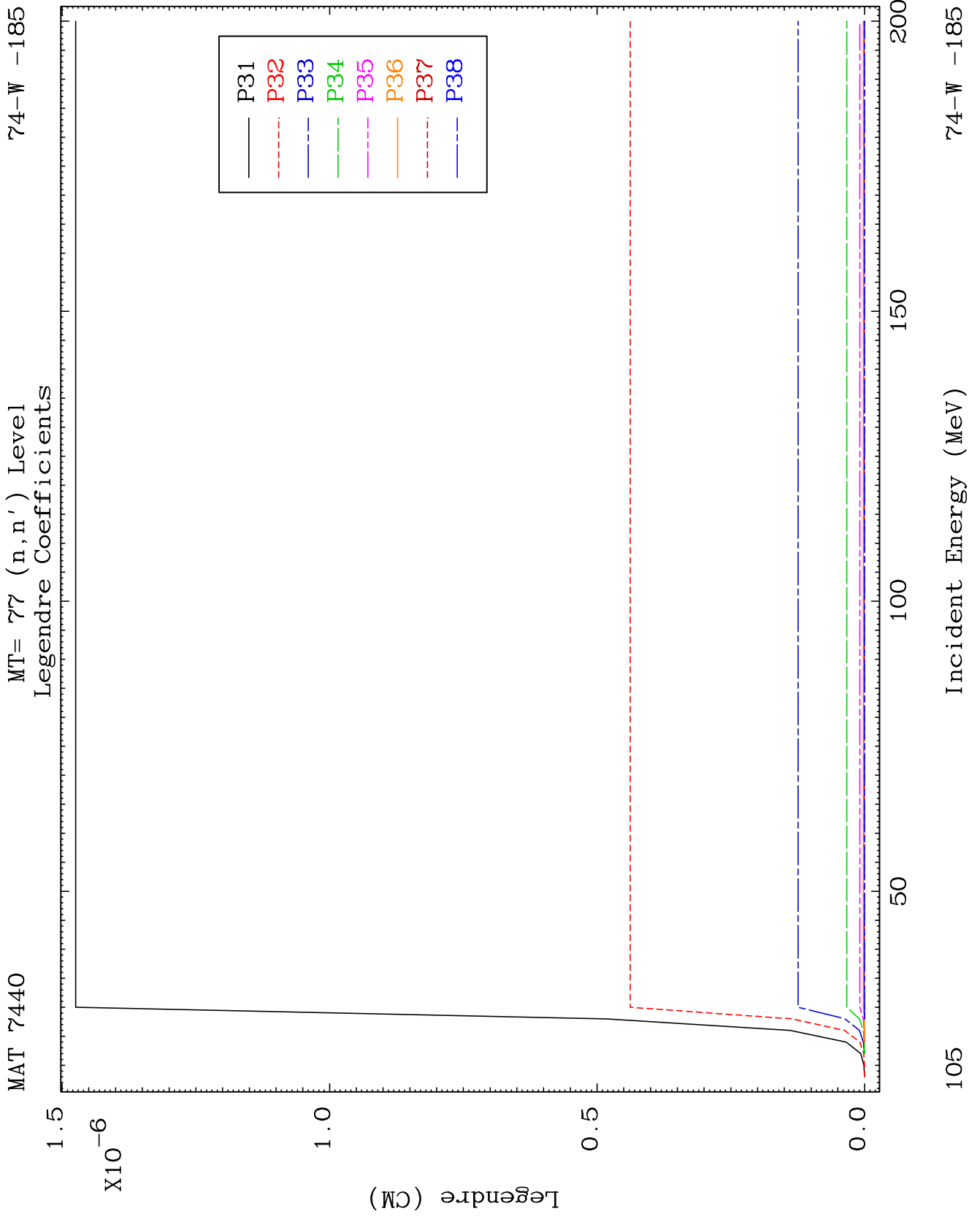
74-W -185



104

Incident Energy (MeV)

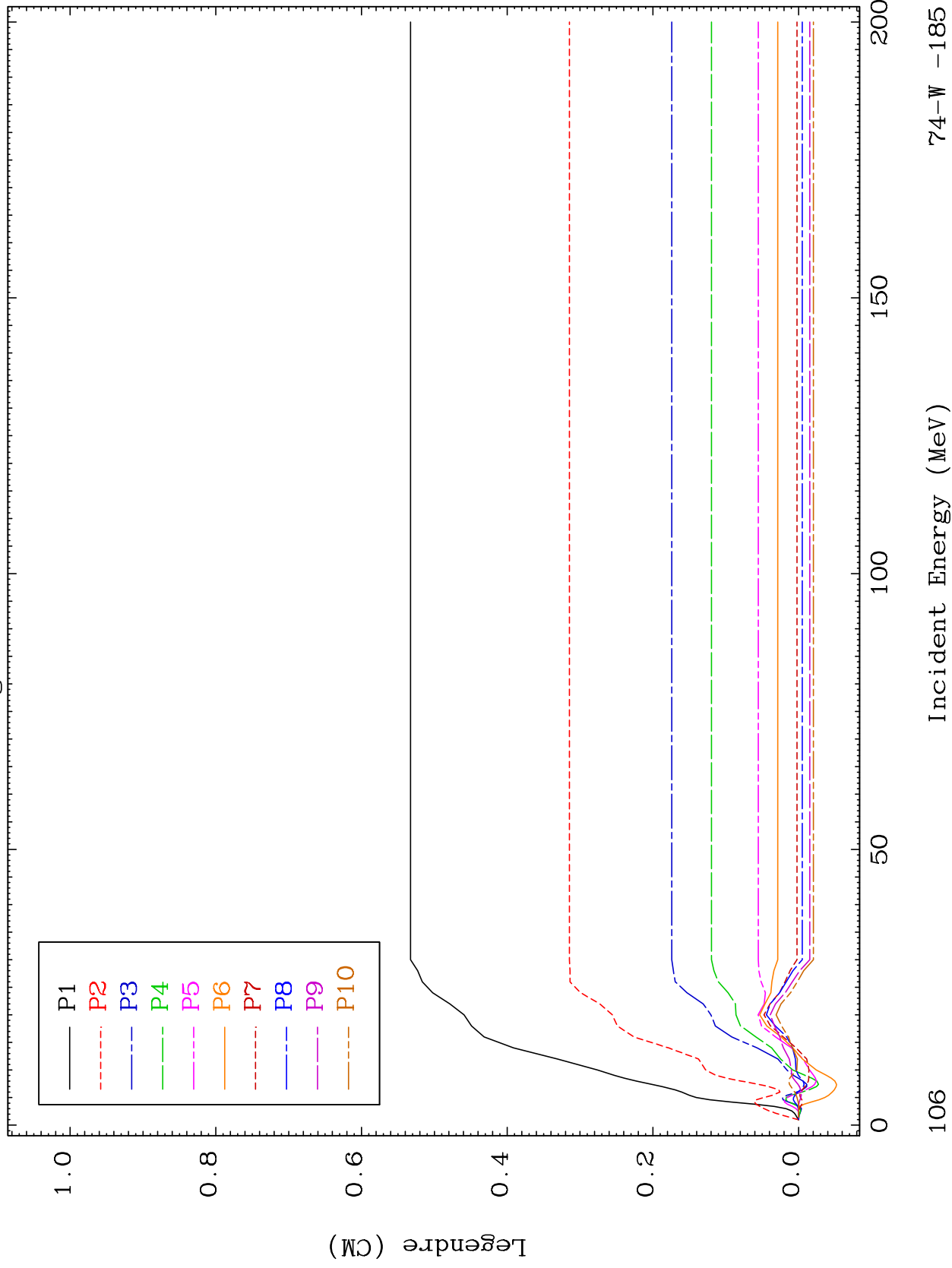
74-W -185



MAT 7440

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

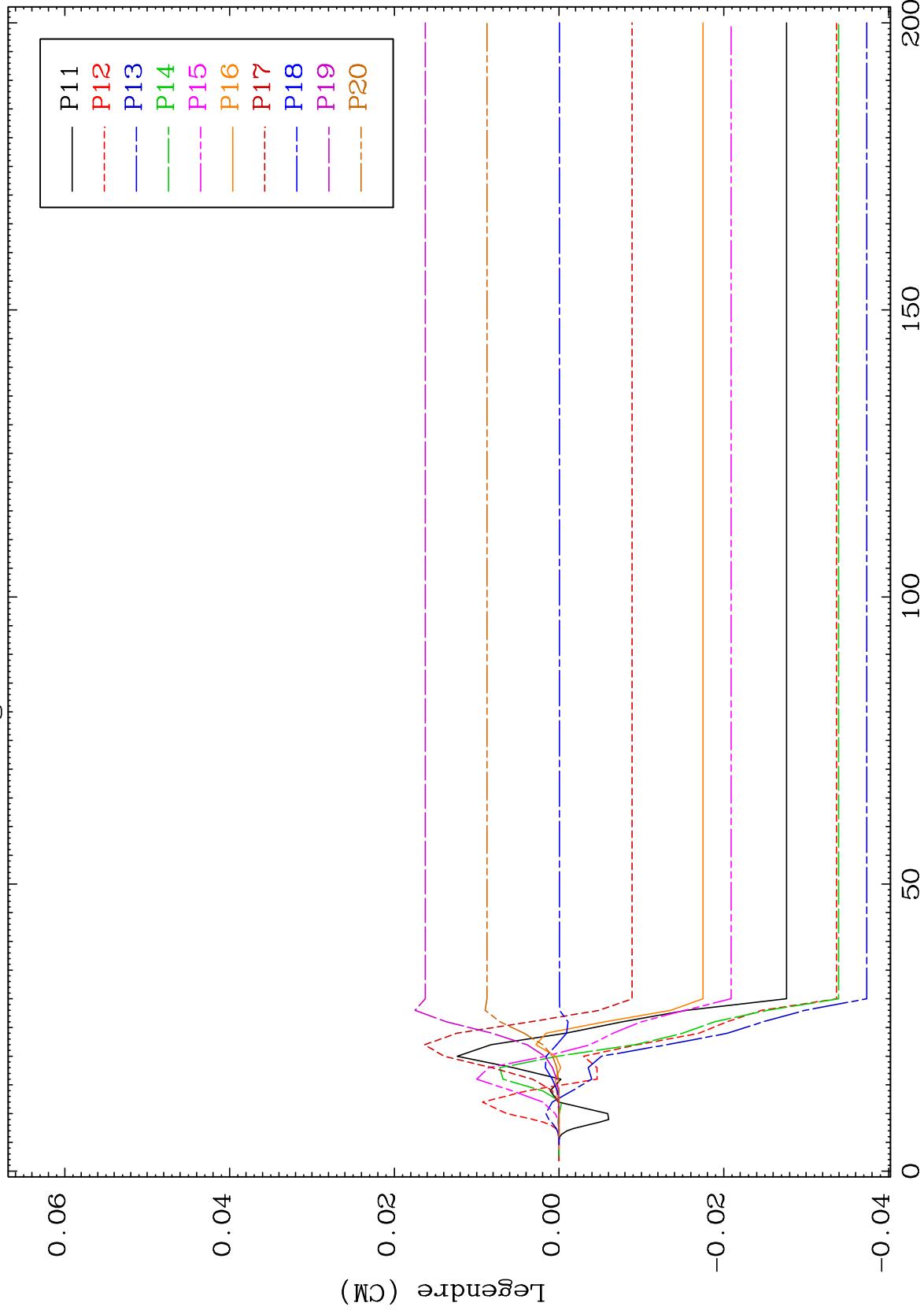
74-W -185



MAT 7440

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

74-W -185



107

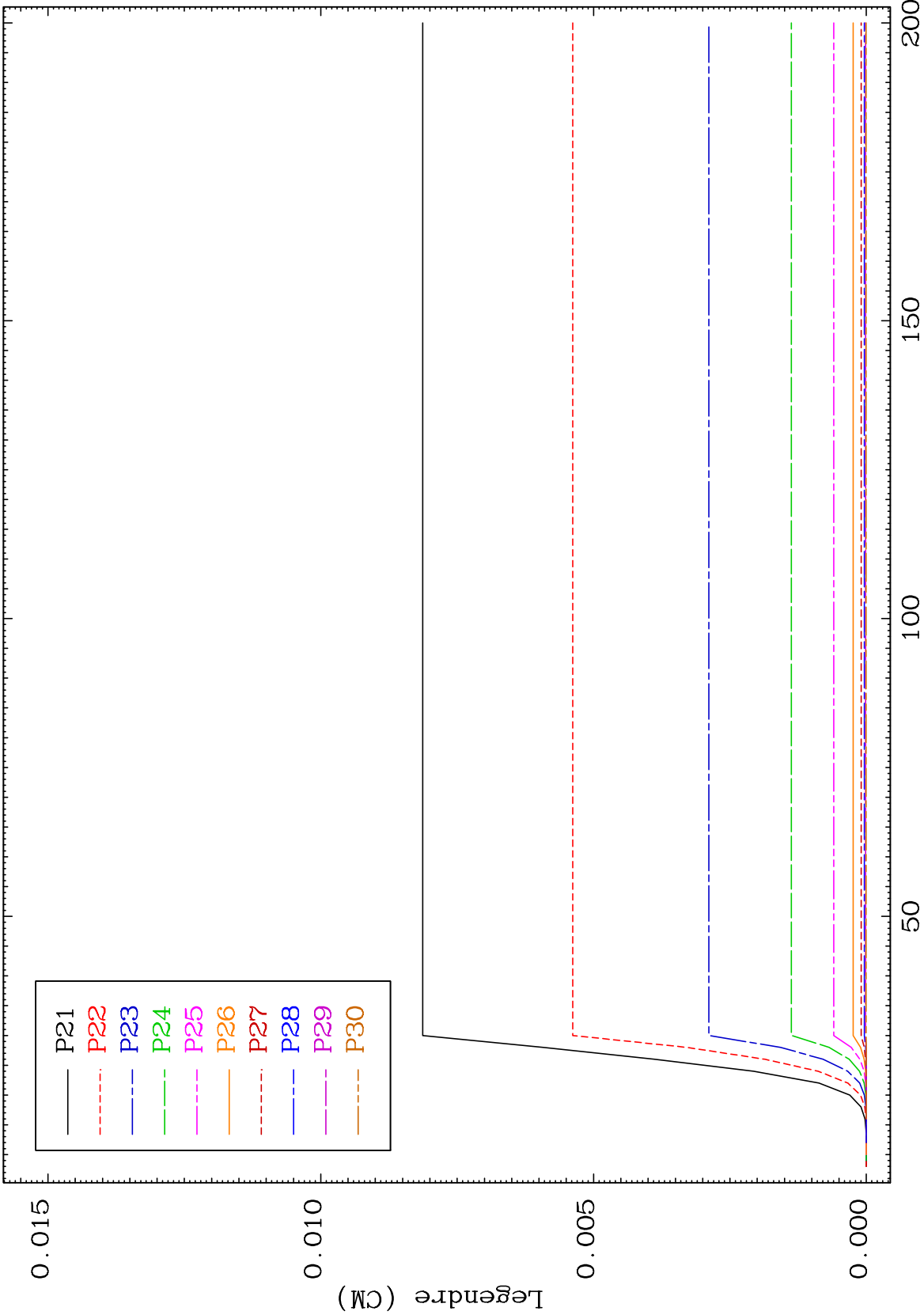
Incident Energy (MeV)

74-W -185

MAT 7440

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

74-W -185



108

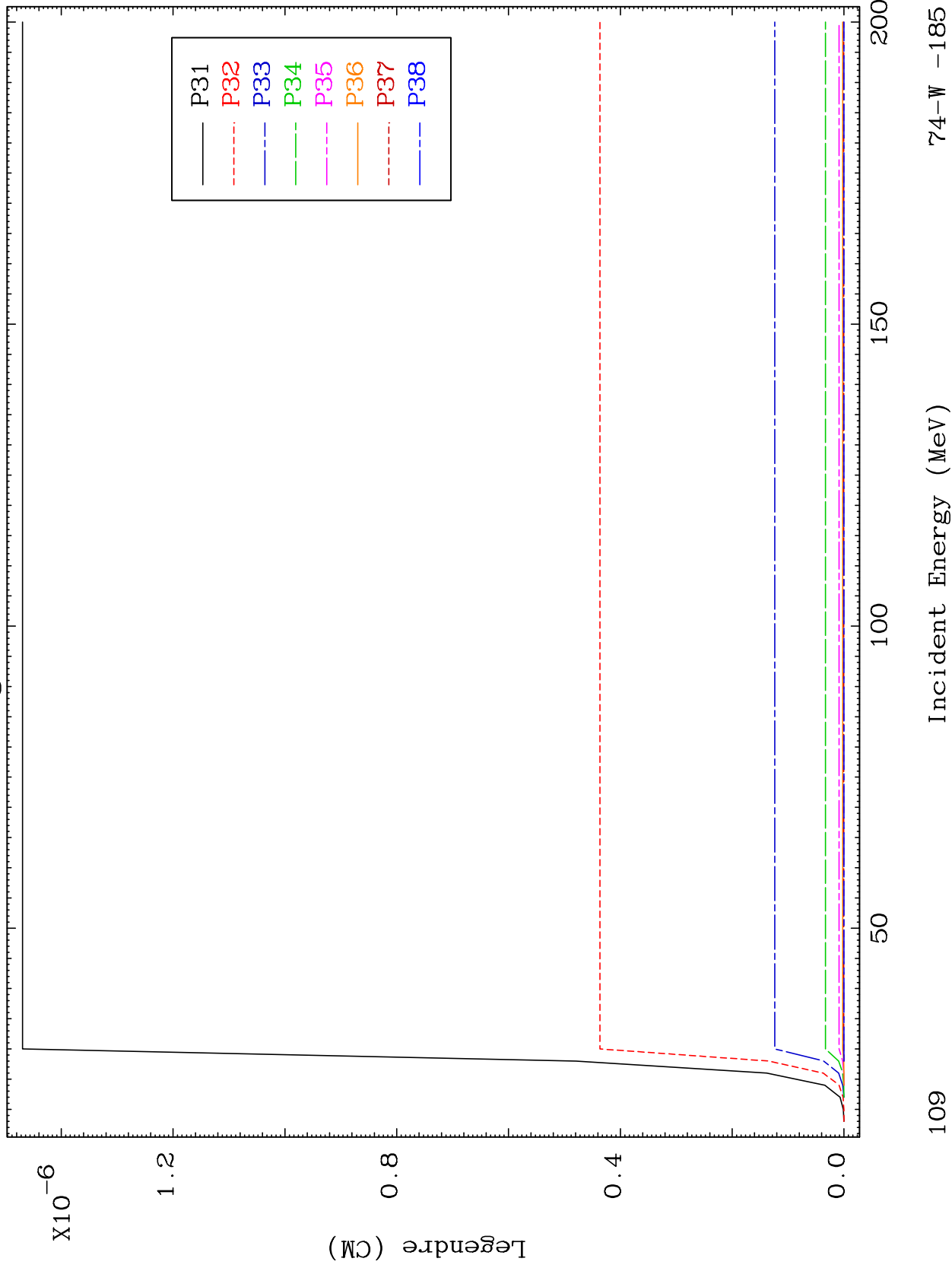
Incident Energy (MeV)

74-W -185

MAT 7440

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

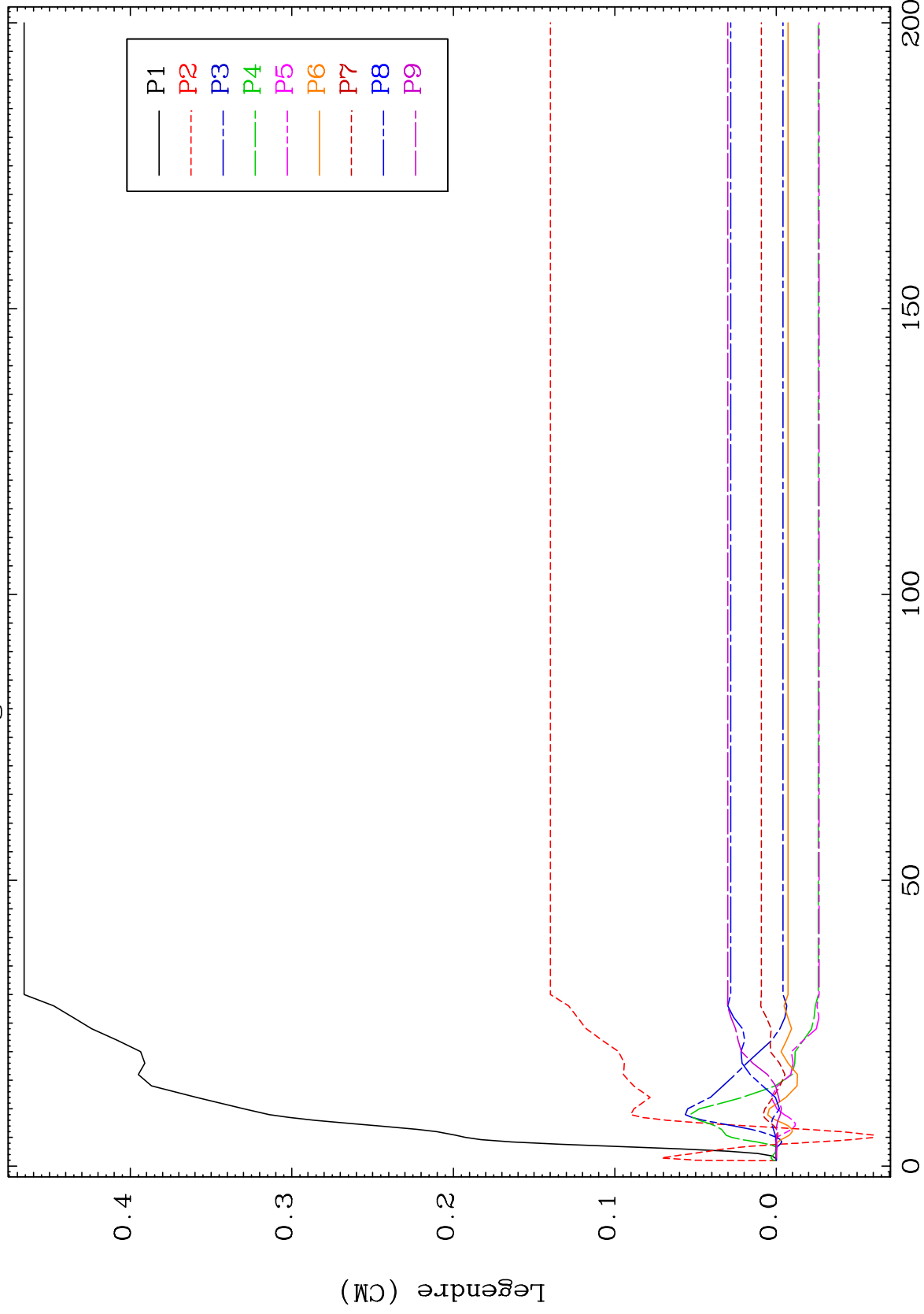
74-W -185



MAT 7440

MT= 79 (n,n') Level  
Legendre Coefficients

74-W -185



110

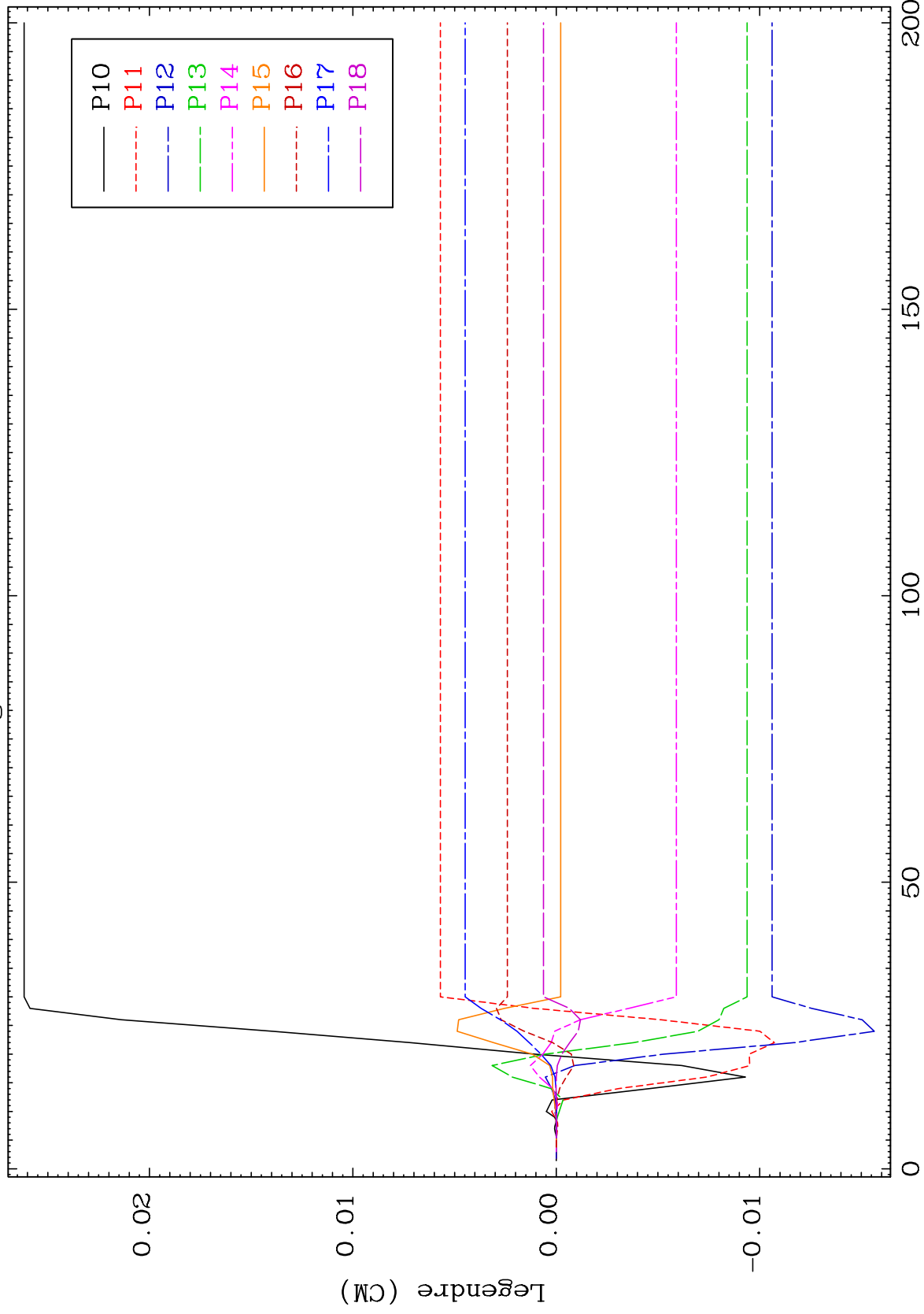
Incident Energy (MeV)

74-W -185

MAT 7440

MT= 79 (n,n') Level  
Legendre Coefficients

74-W -185



111

Incident Energy (MeV)

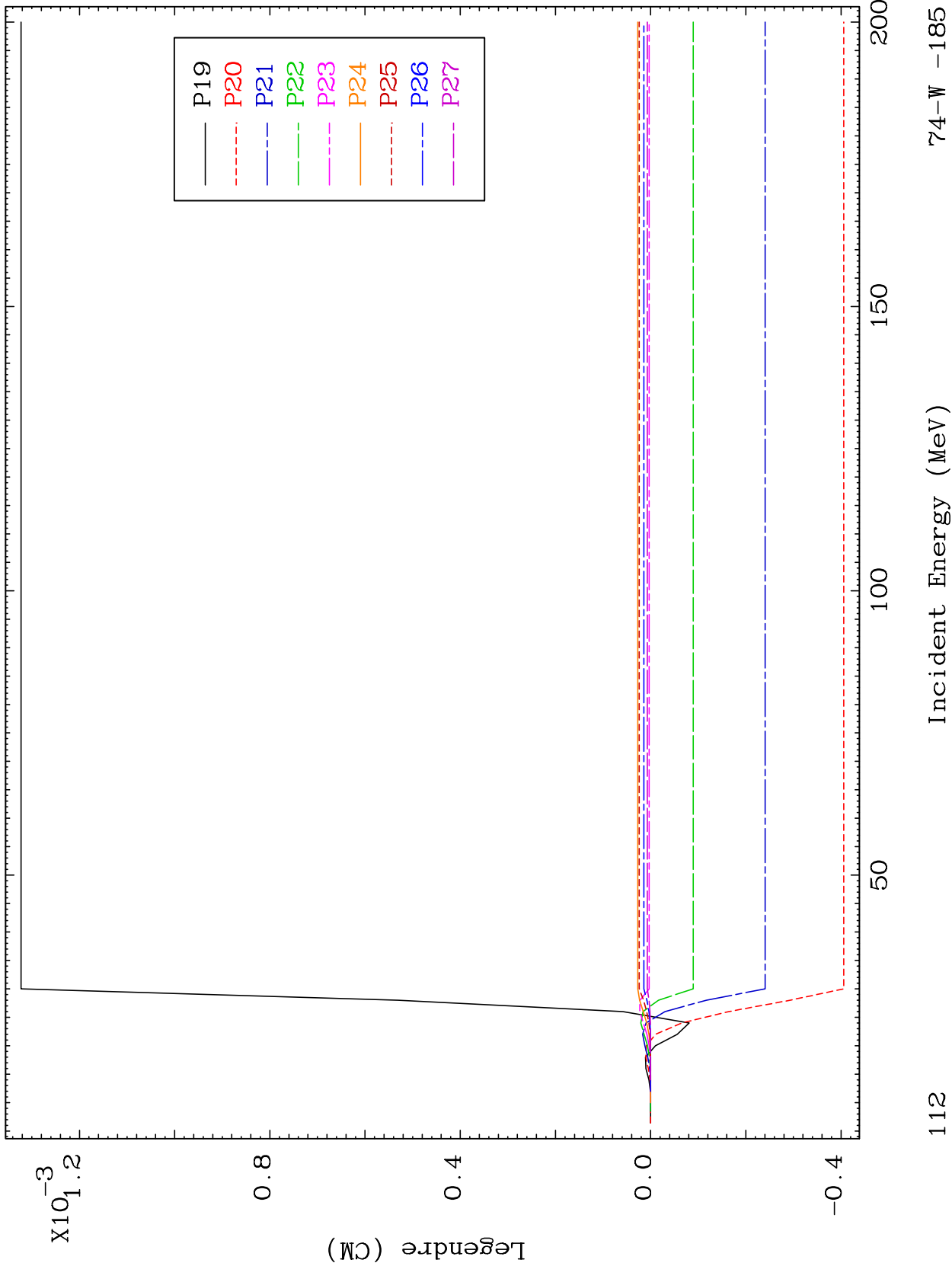
74-W -185



MAT 7440

MT= 79 (n,n') Level  
Legendre Coefficients

74-W -185



112

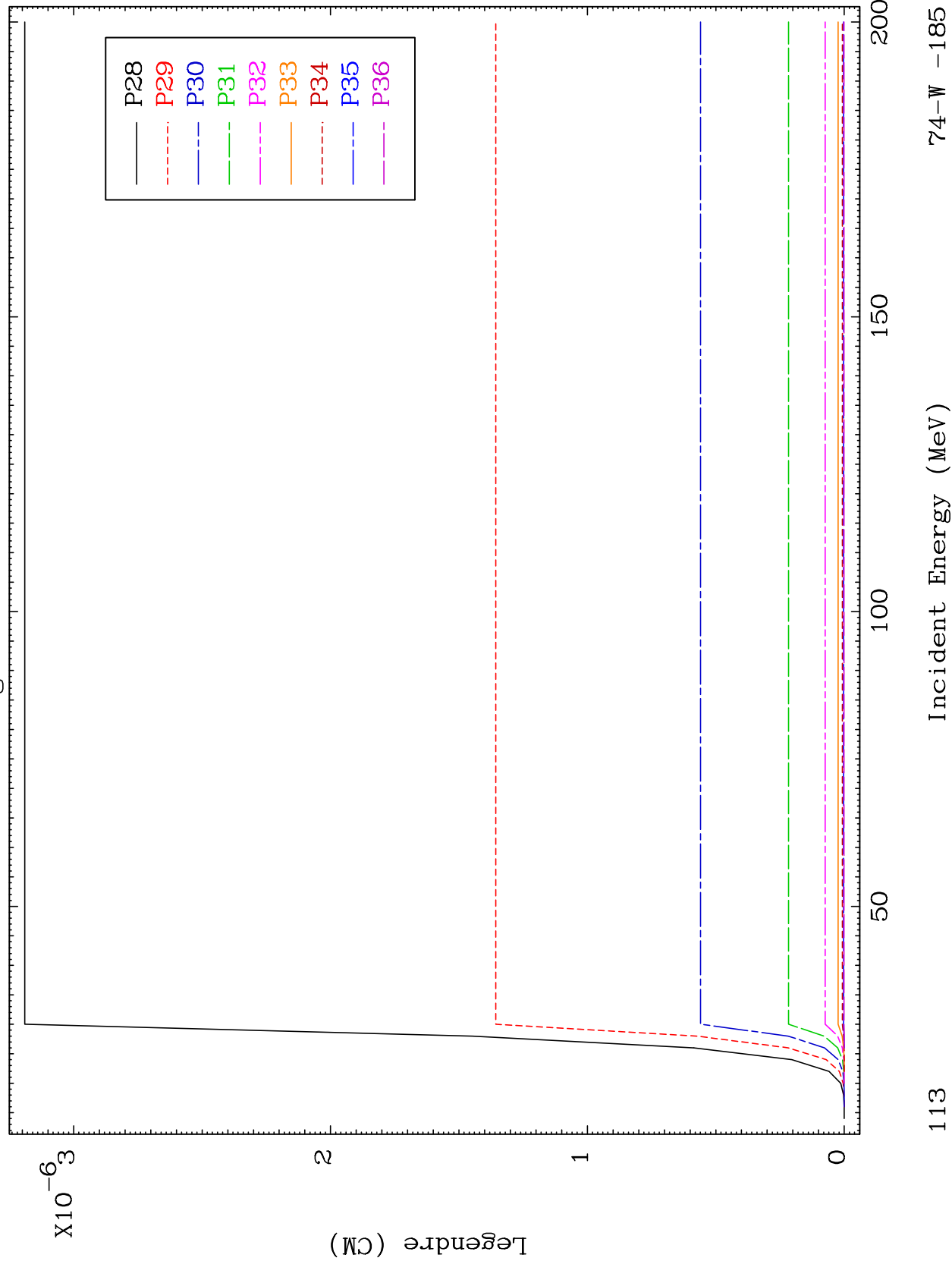
Incident Energy (MeV)

74-W -185

MAT 7440

MT= 79 (n,n') Level  
Legendre Coefficients

74-W -185



113

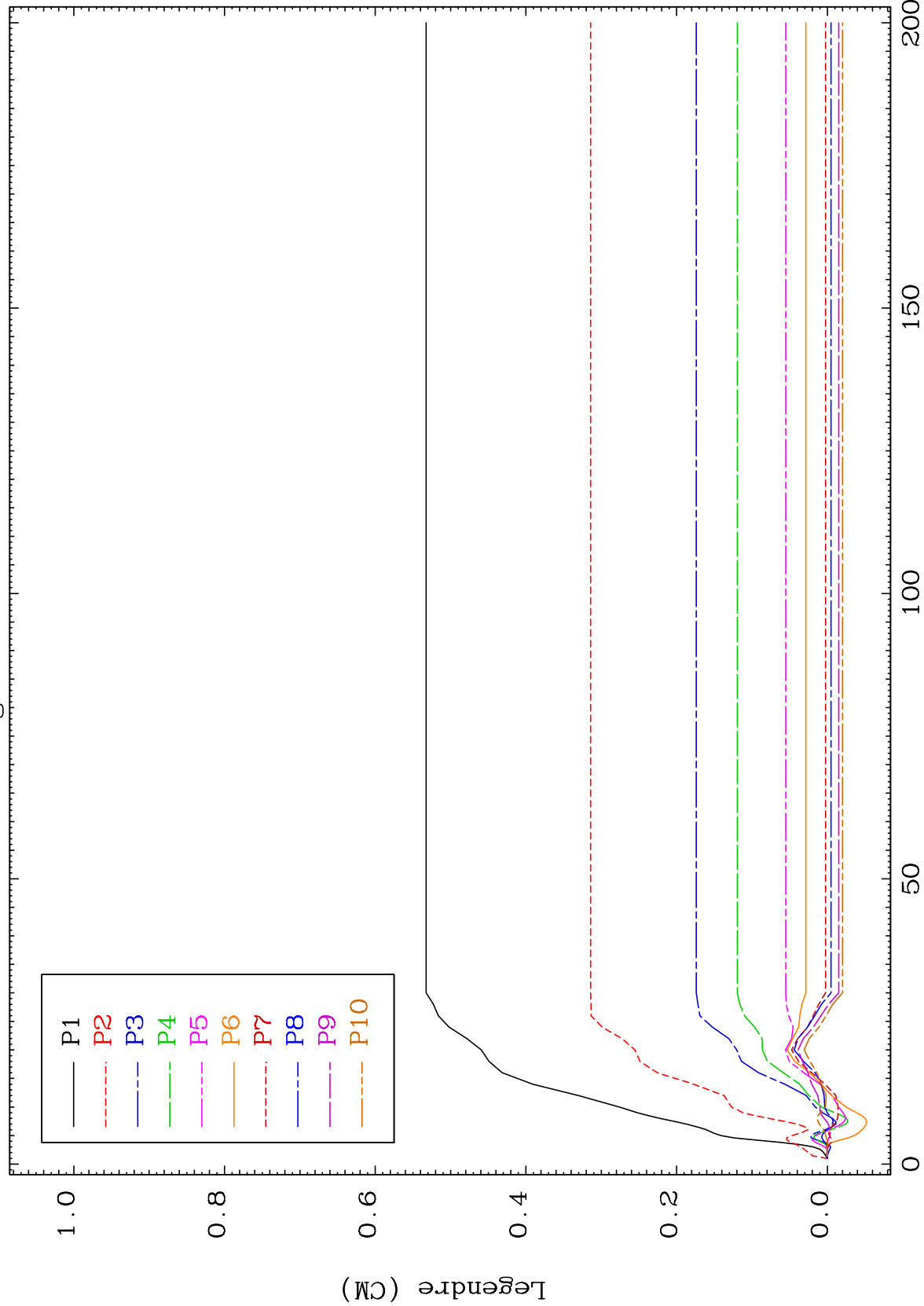
Incident Energy (MeV)

74-W -185

MAT 7440

MT= 80 (n,n') Level  
Legendre Coefficients

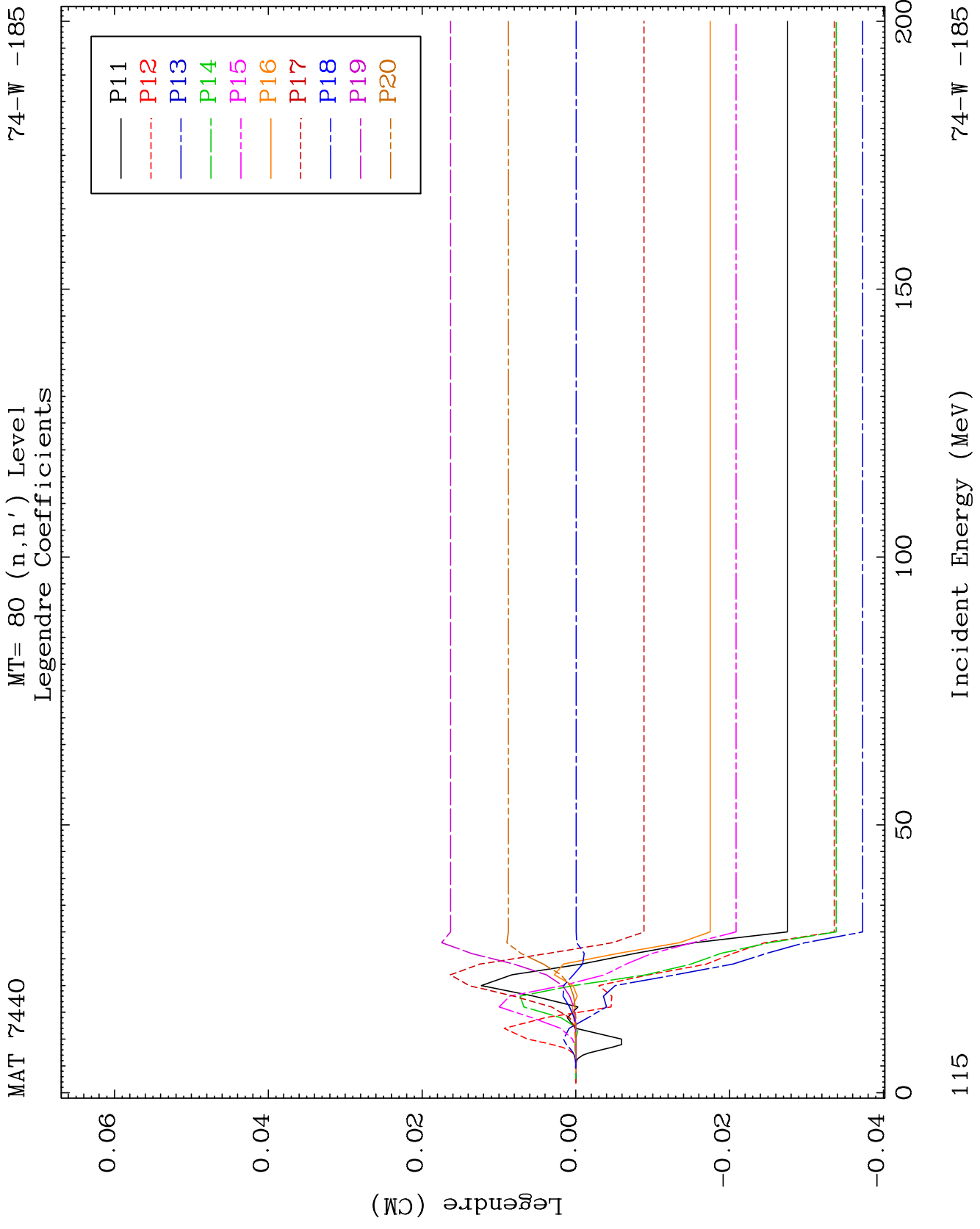
74-W -185



114

Incident Energy (MeV)

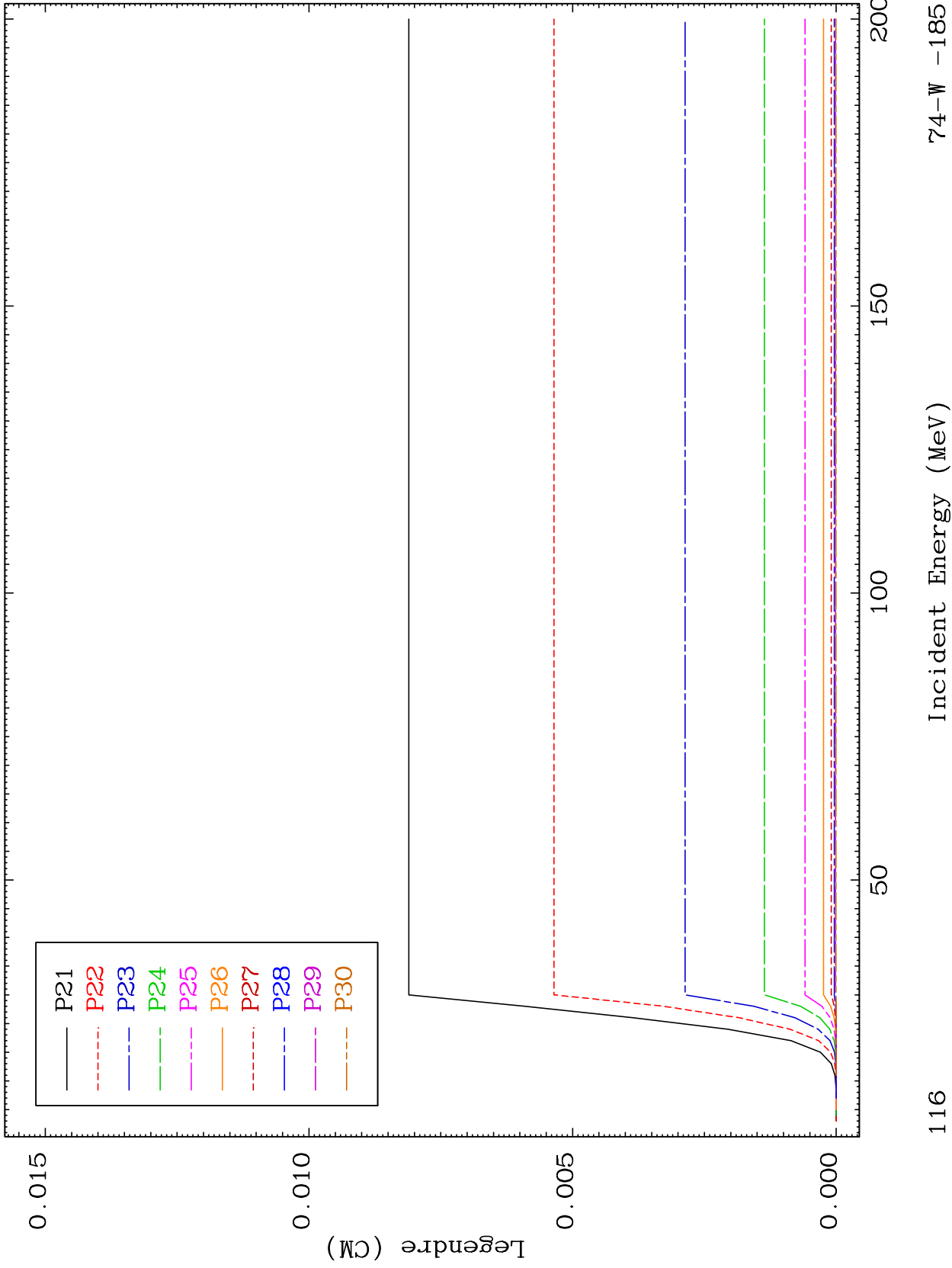
74-W -185



MAT 7440

MT= 80 (n,n') Level  
Legendre Coefficients

74-W -185



116

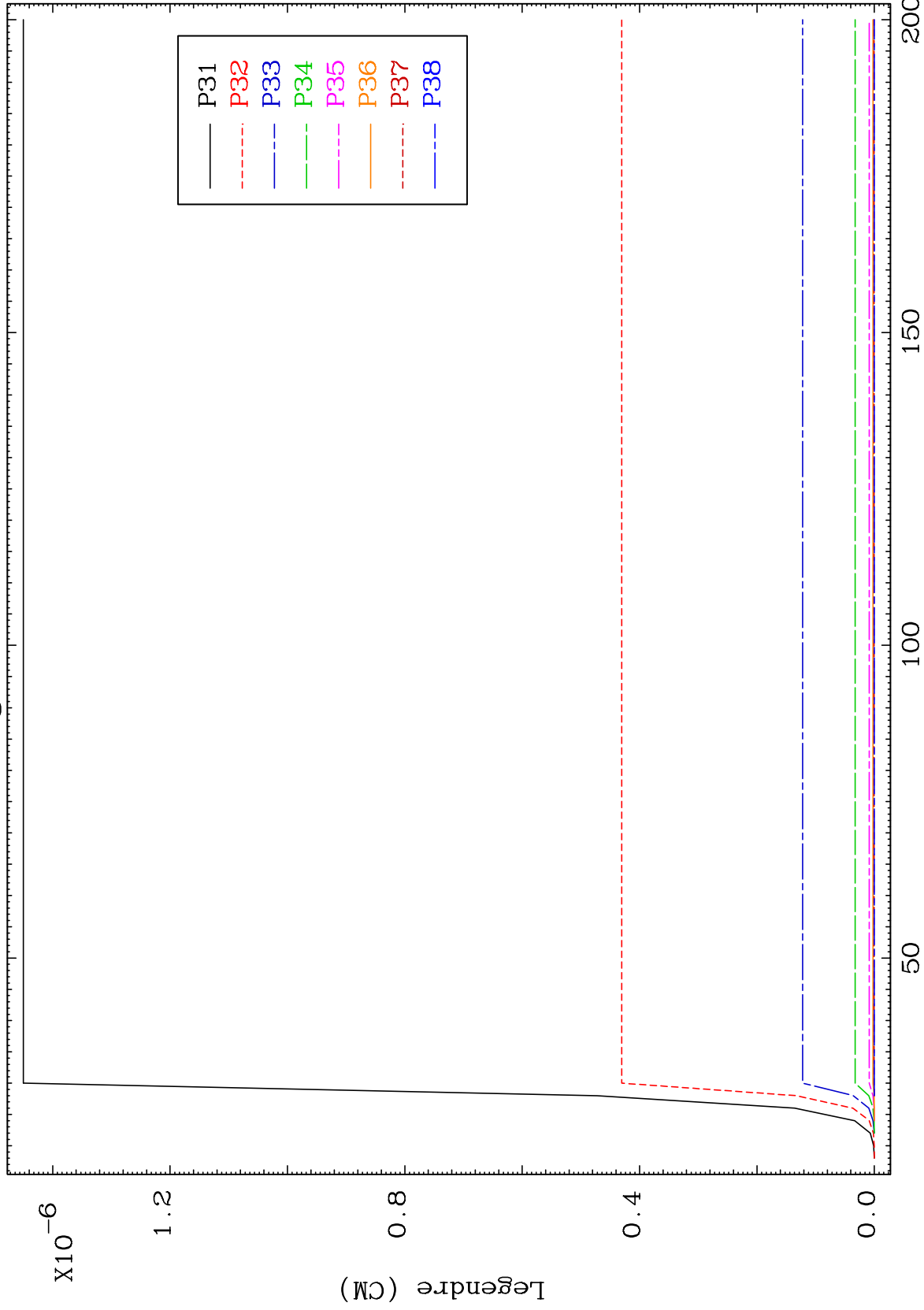
Incident Energy (MeV)

74-W -185

MAT 7440

MT= 80 (n,n') Level  
Legendre Coefficients

74-W -185



117

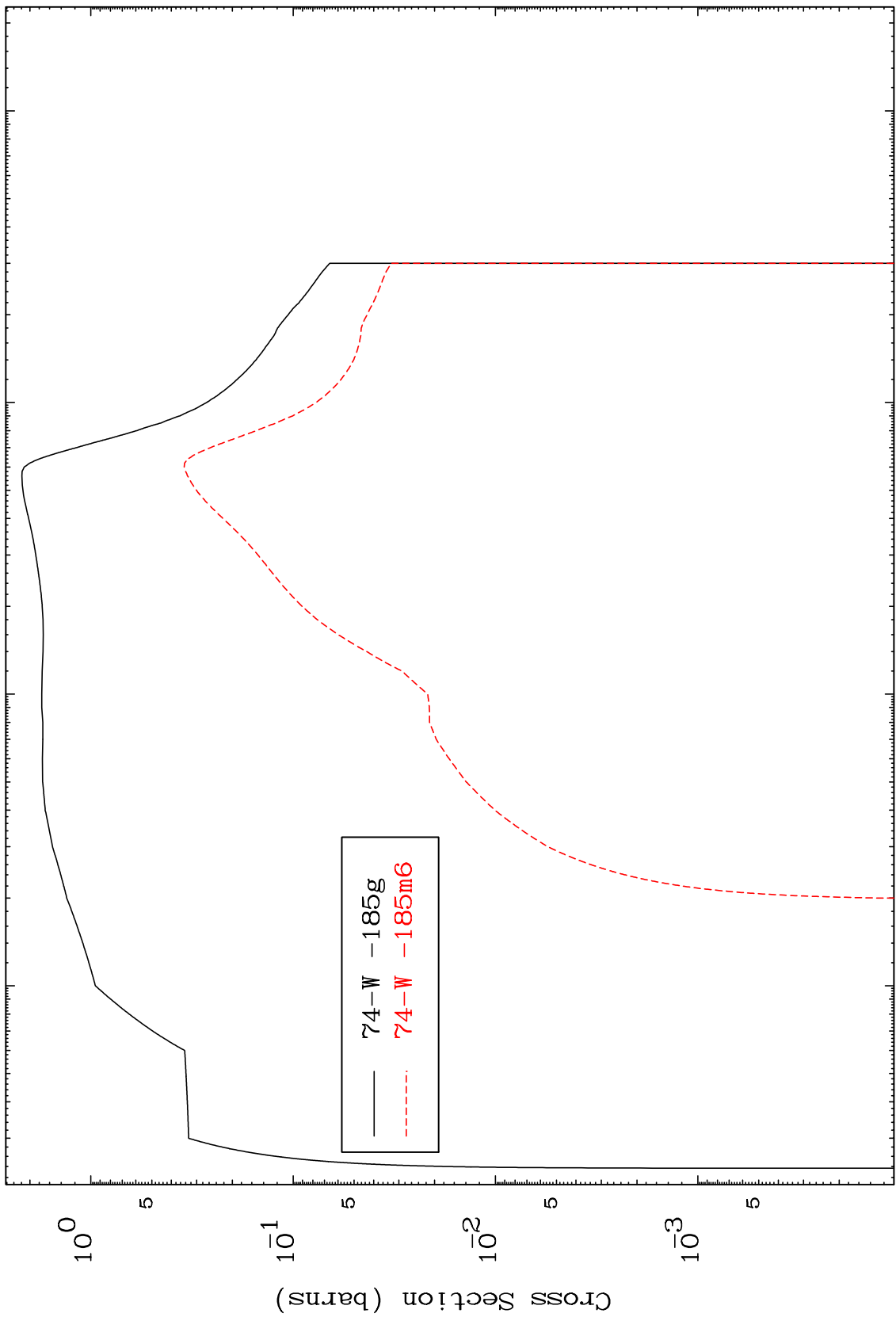
Incident Energy (MeV)

74-W -185

MAT 7440

74-W -185

Inelastic  
Radionuclide Production Cross Section

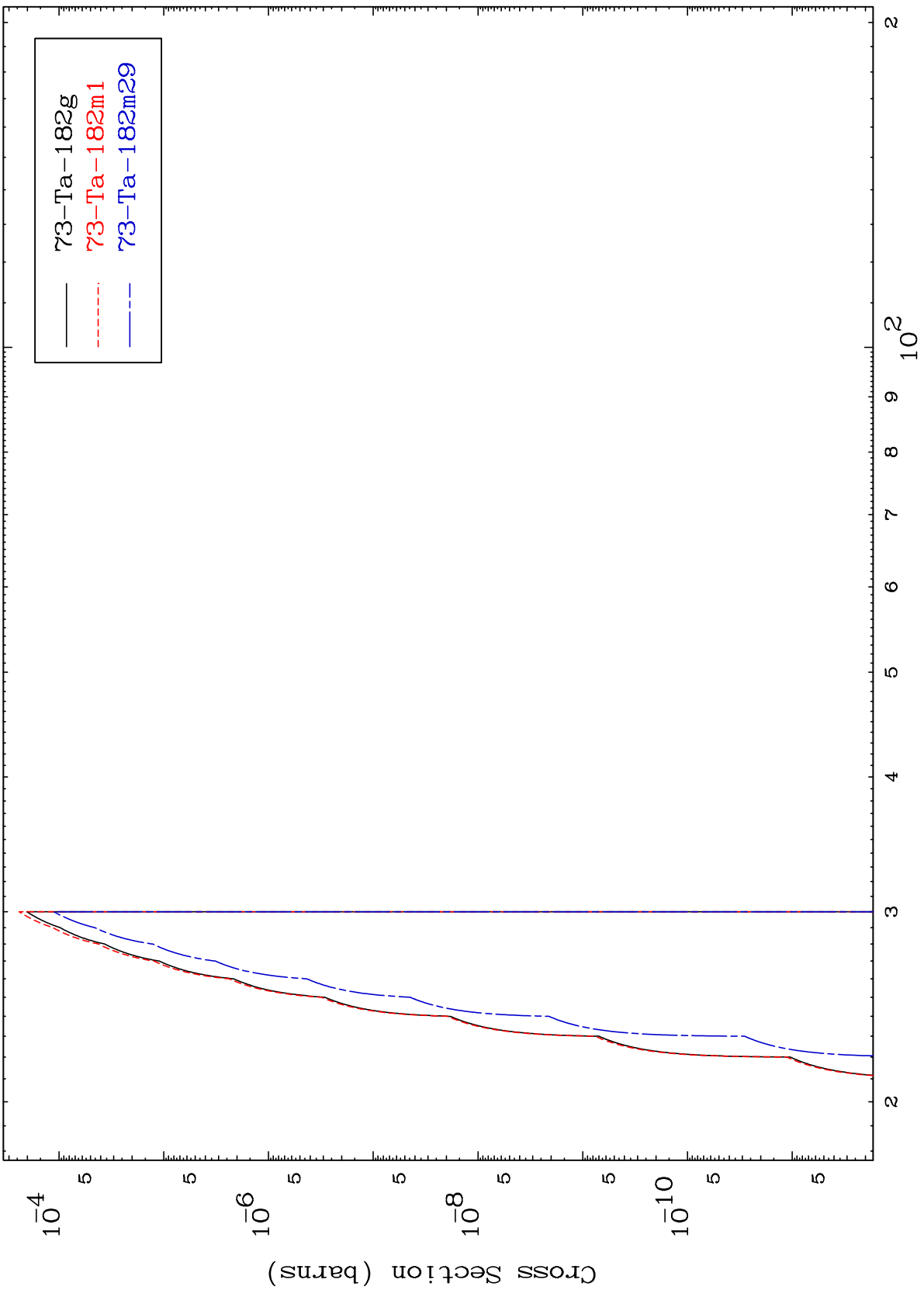


74-W -185

Incident Energy (MeV)

118

Radionuclide Production Cross Section



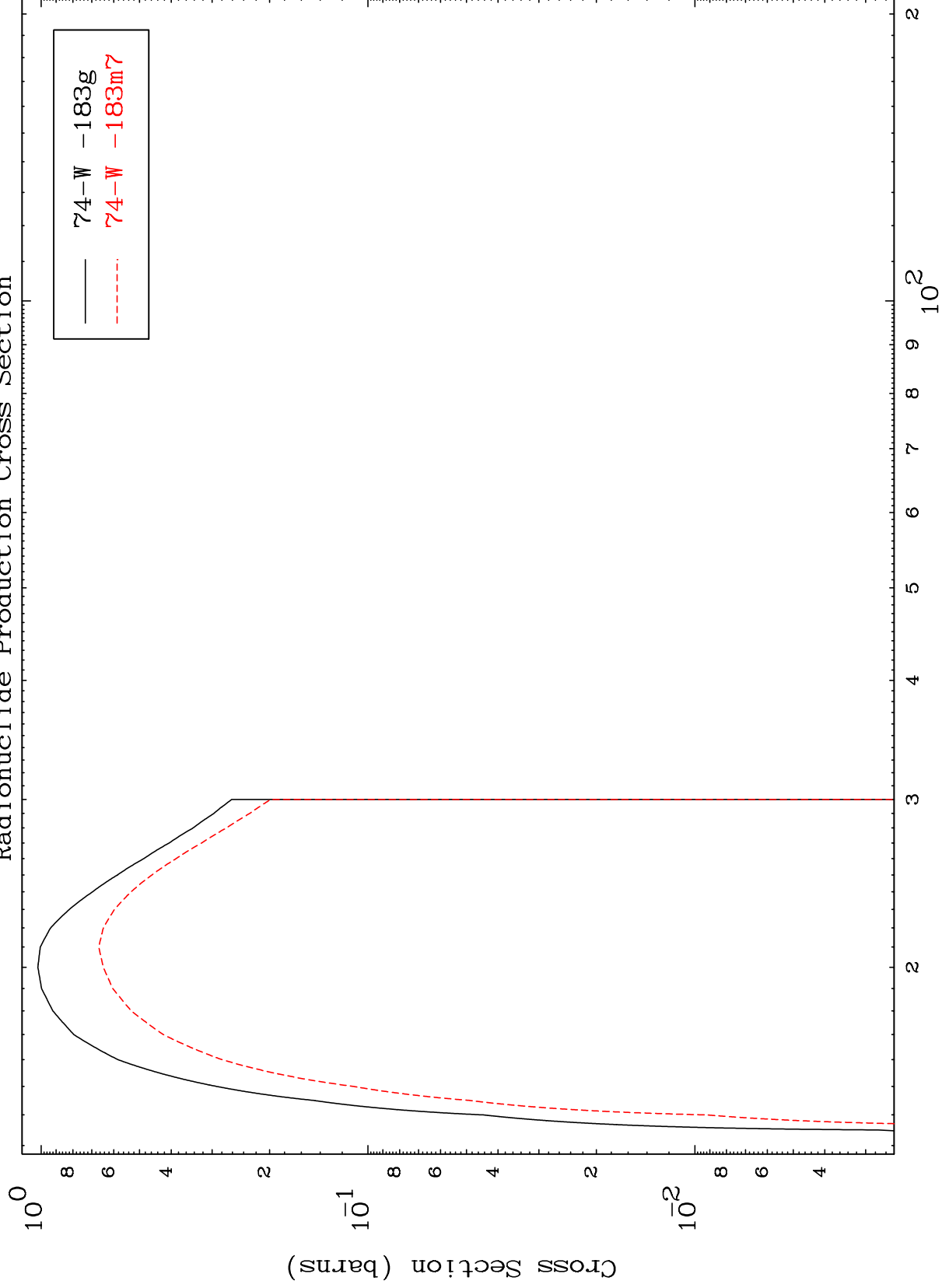


MAT 7440

(n,3n)

74-W -185

Radionuclide Production Cross Section



120

Incident Energy (MeV)

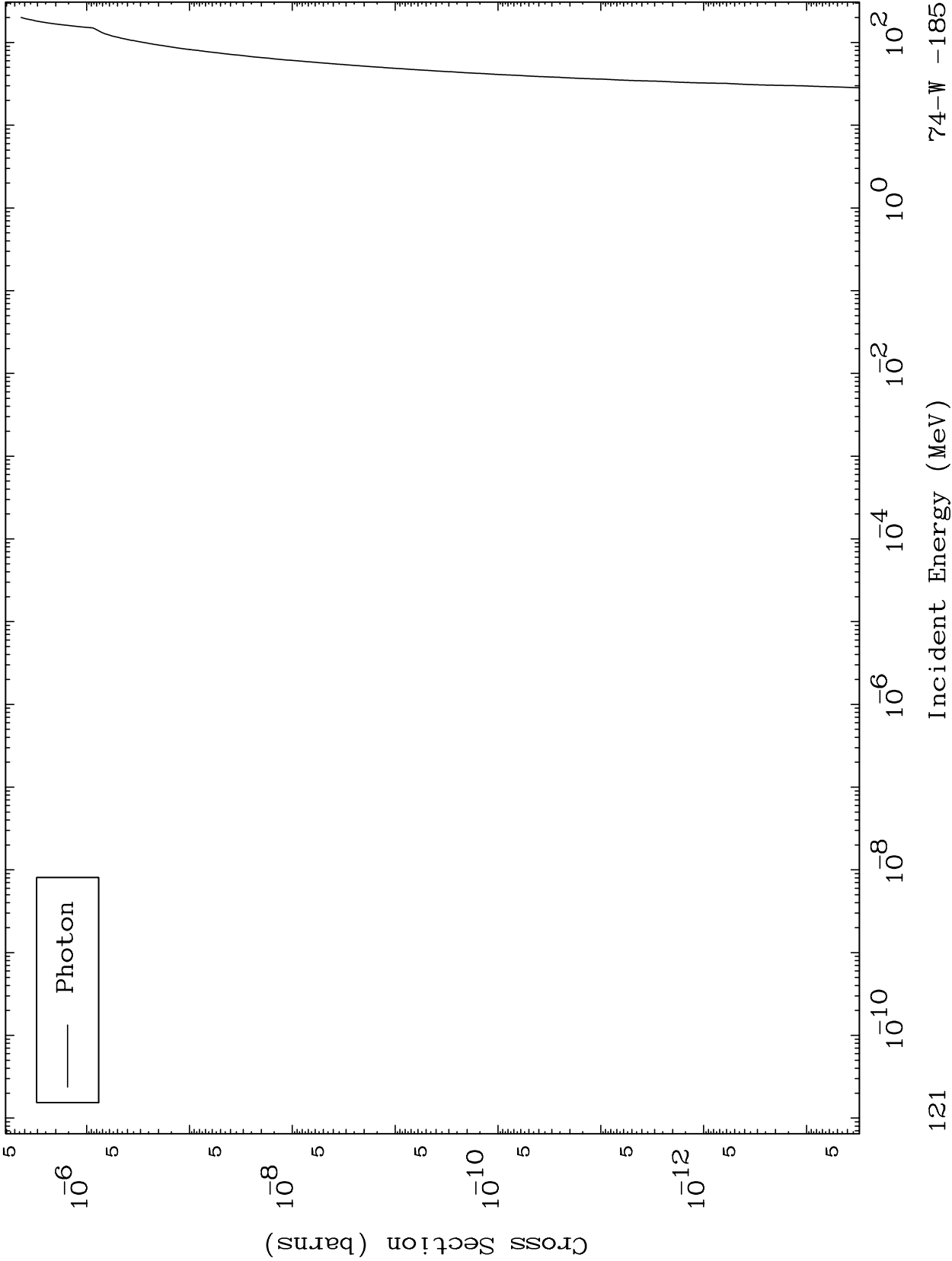
74-W -185

MAT 7440

Fission

74-W -185

Radionuclide Production Cross Section



121

Incident Energy (MeV)

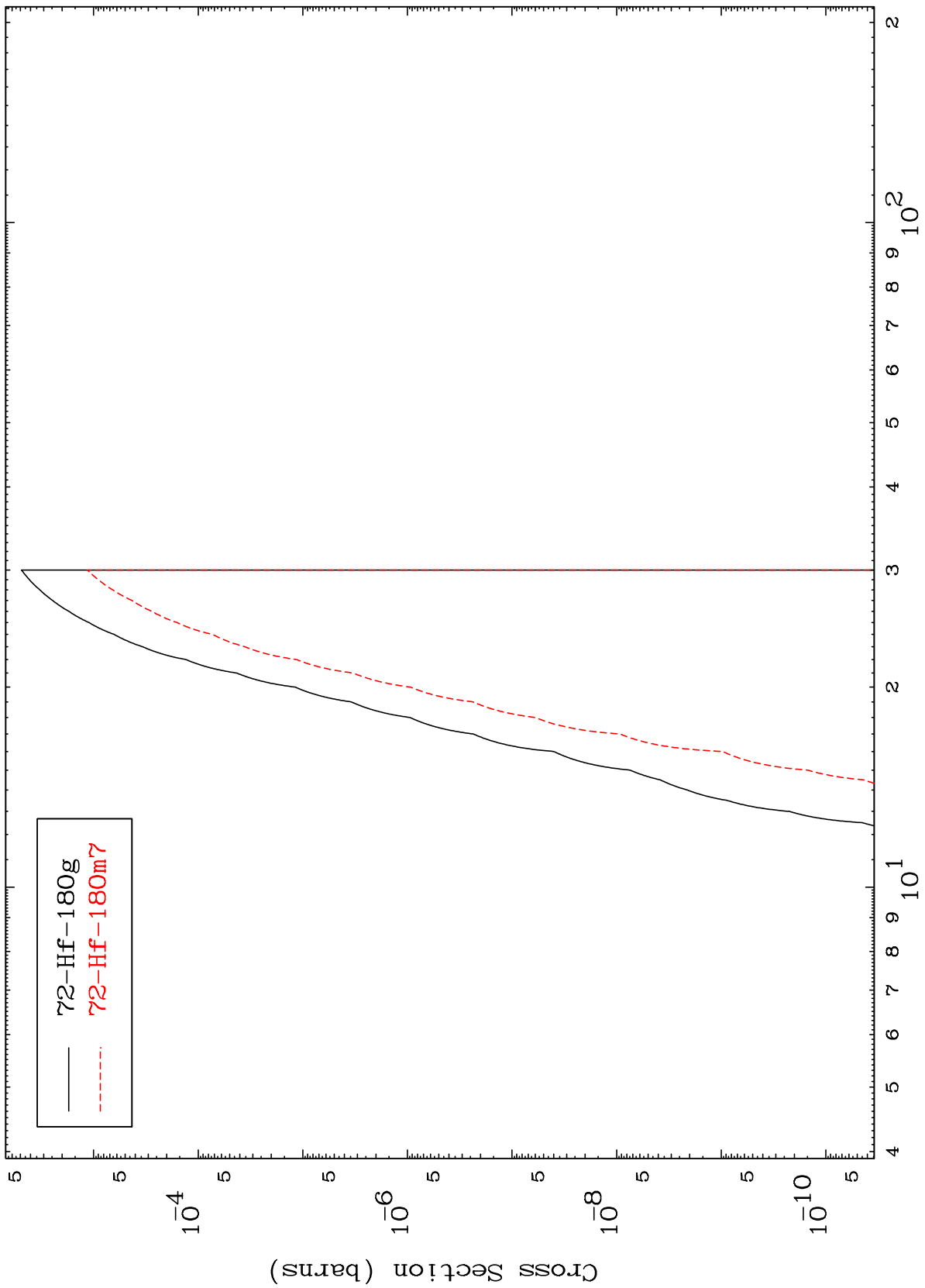
74-W -185

MAT 7440

(n,2n)  $\alpha$

74-W -185

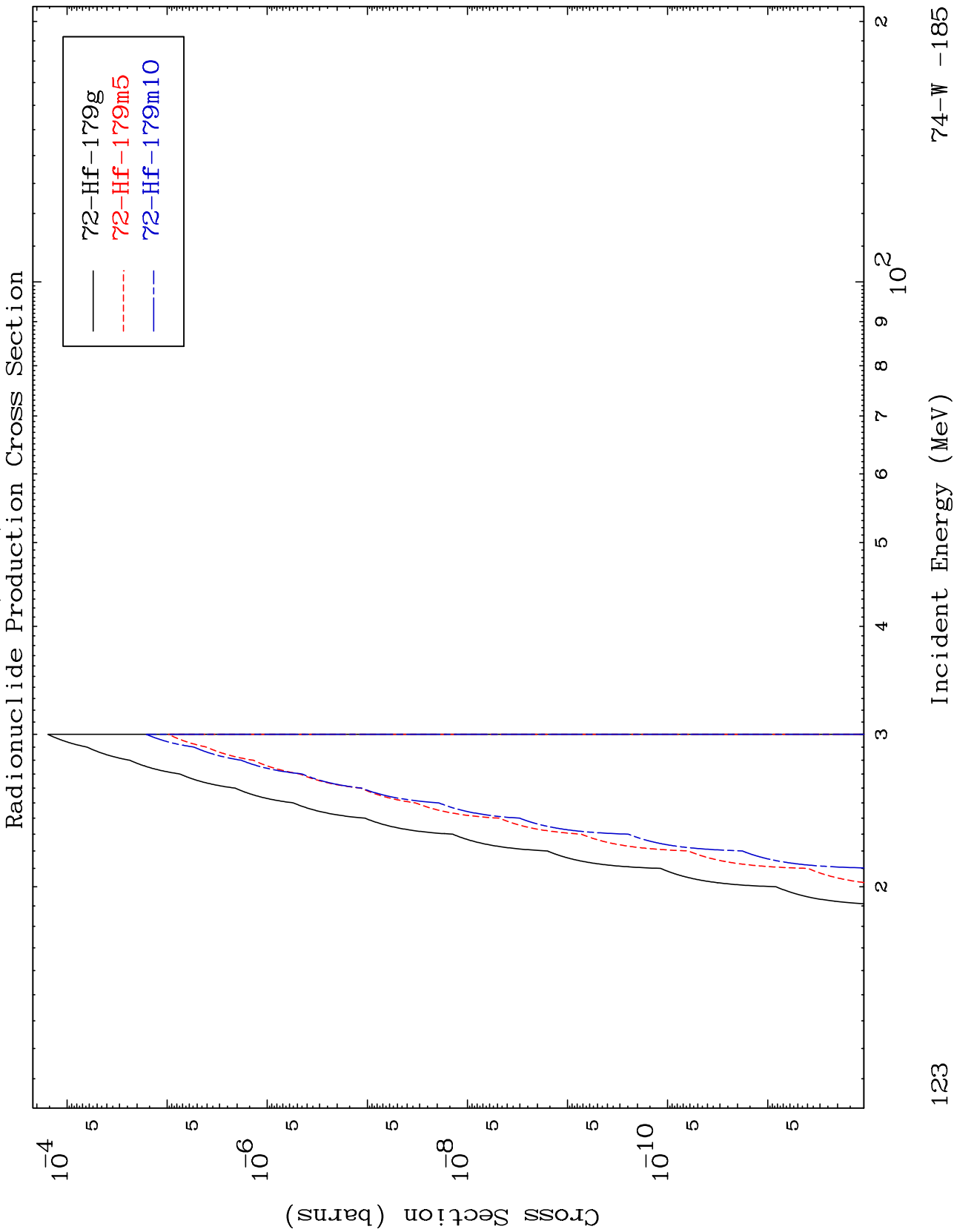
Radionuclide Production Cross Section

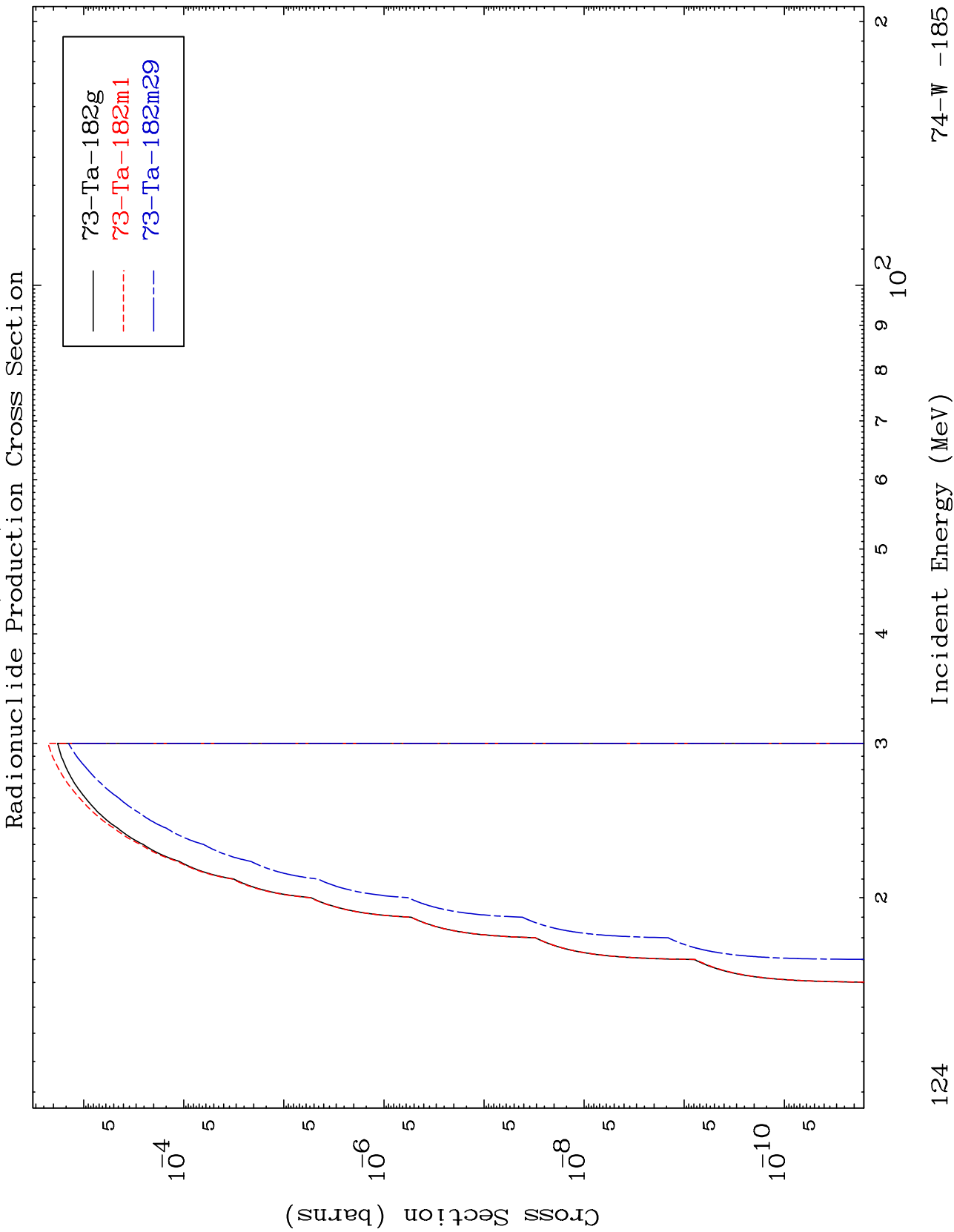


122

Incident Energy (MeV)

74-W -185



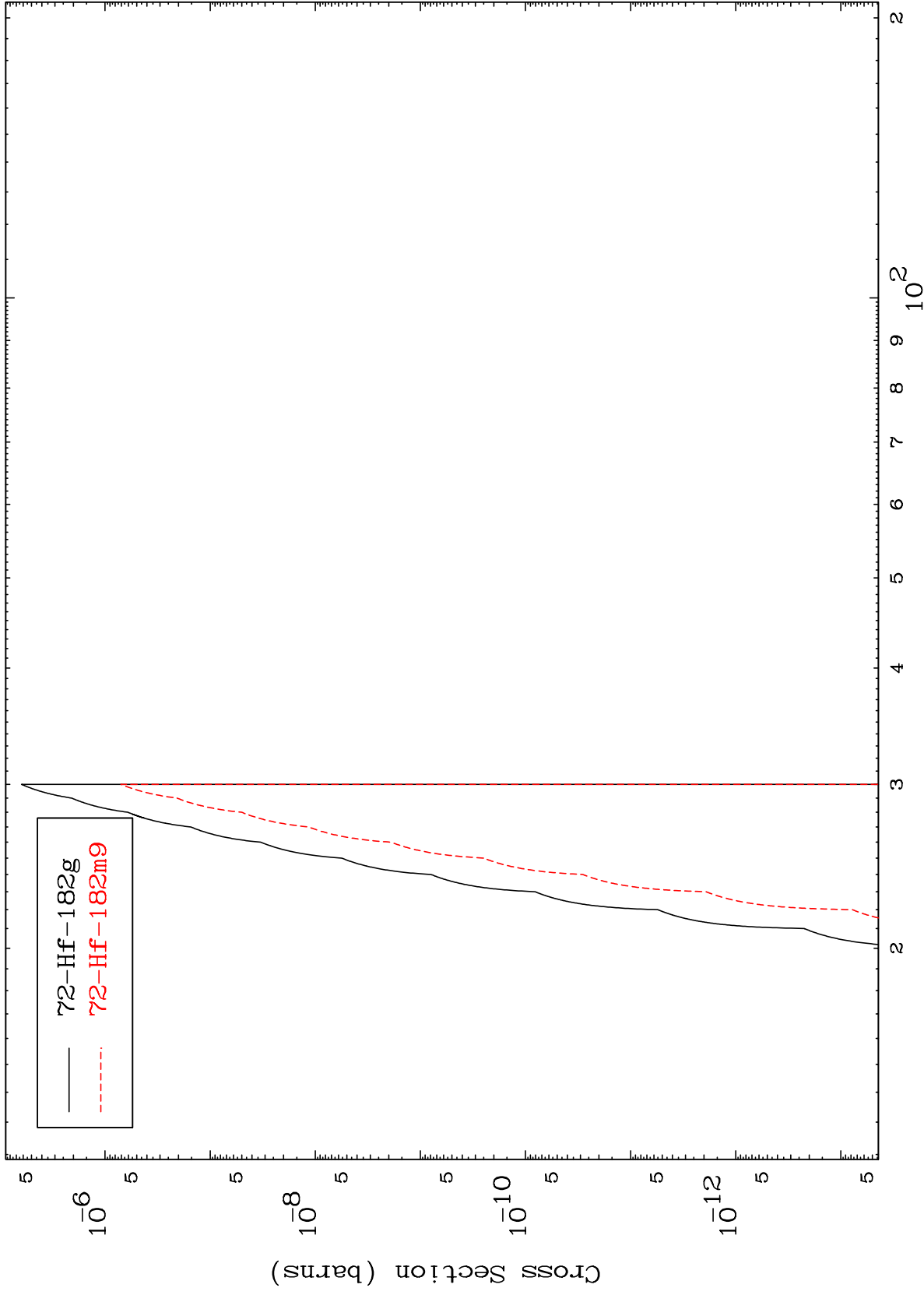


MAT 7440

(n,n') He-3

74-W -185

Radionuclide Production Cross Section

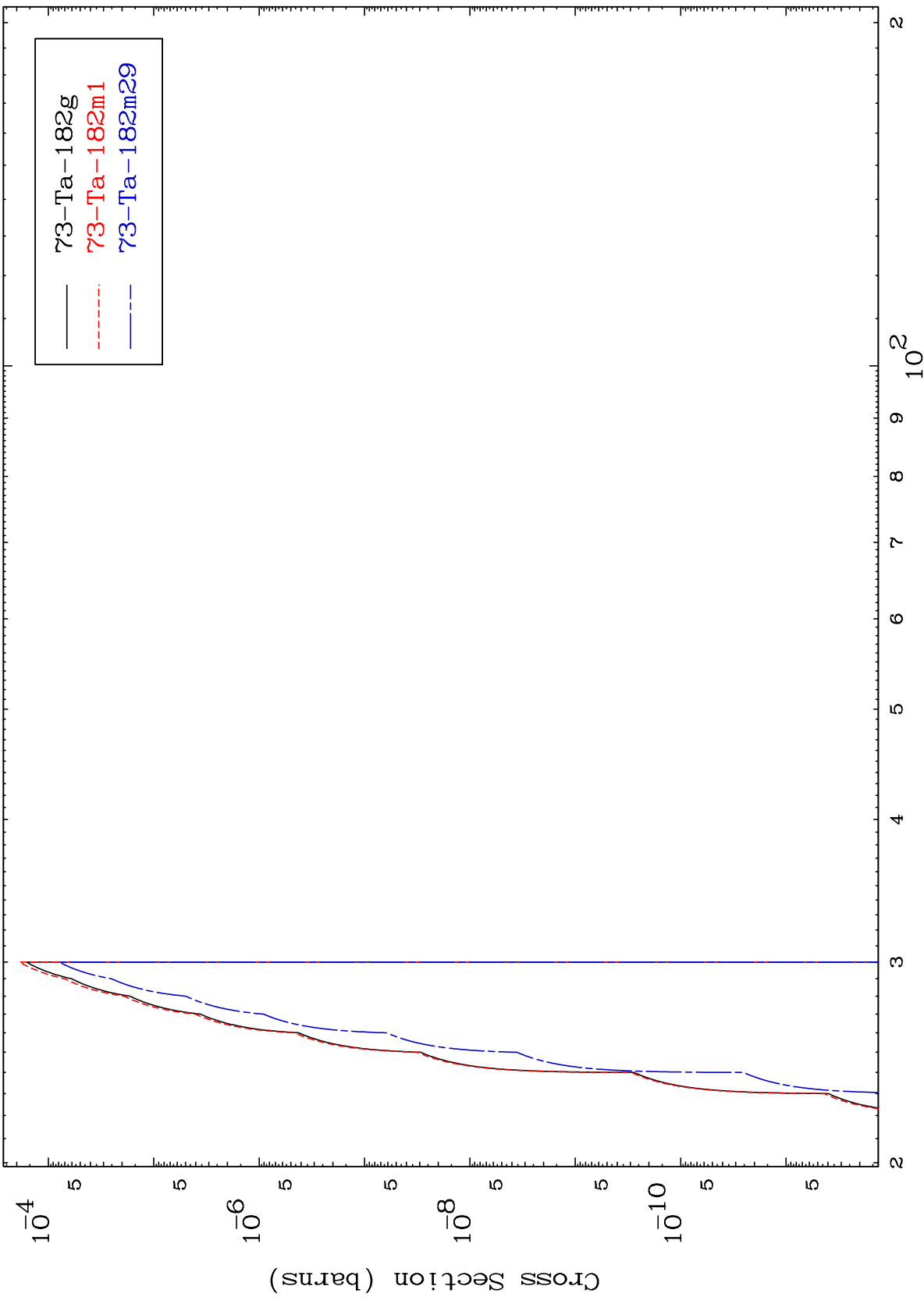


125

Incident Energy (MeV)

74-W -185

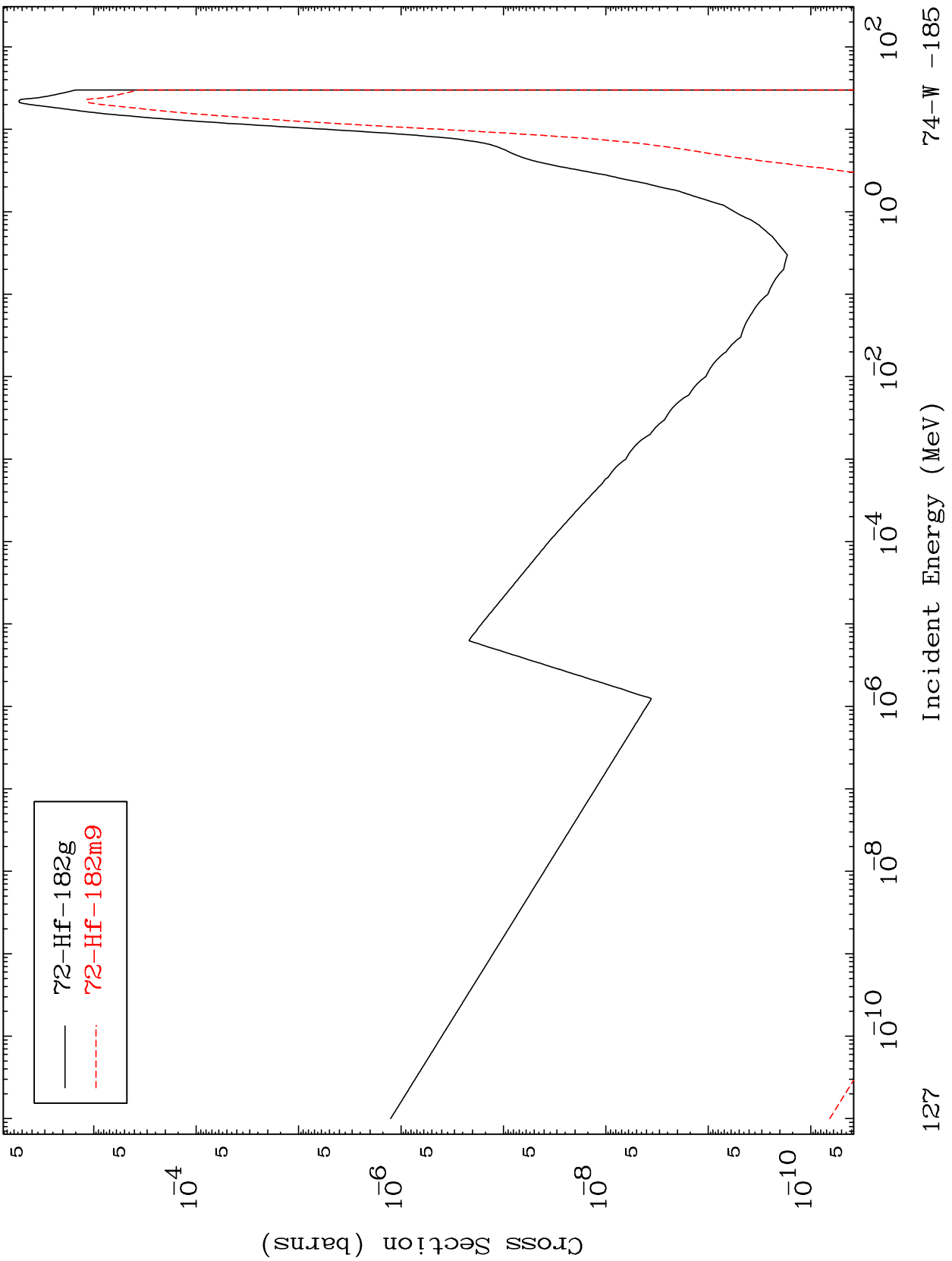
Radionuclide Production Cross Section



MAT 7440

74-W - 185

Radionuclide Production Cross Section (n,  $\alpha$ )

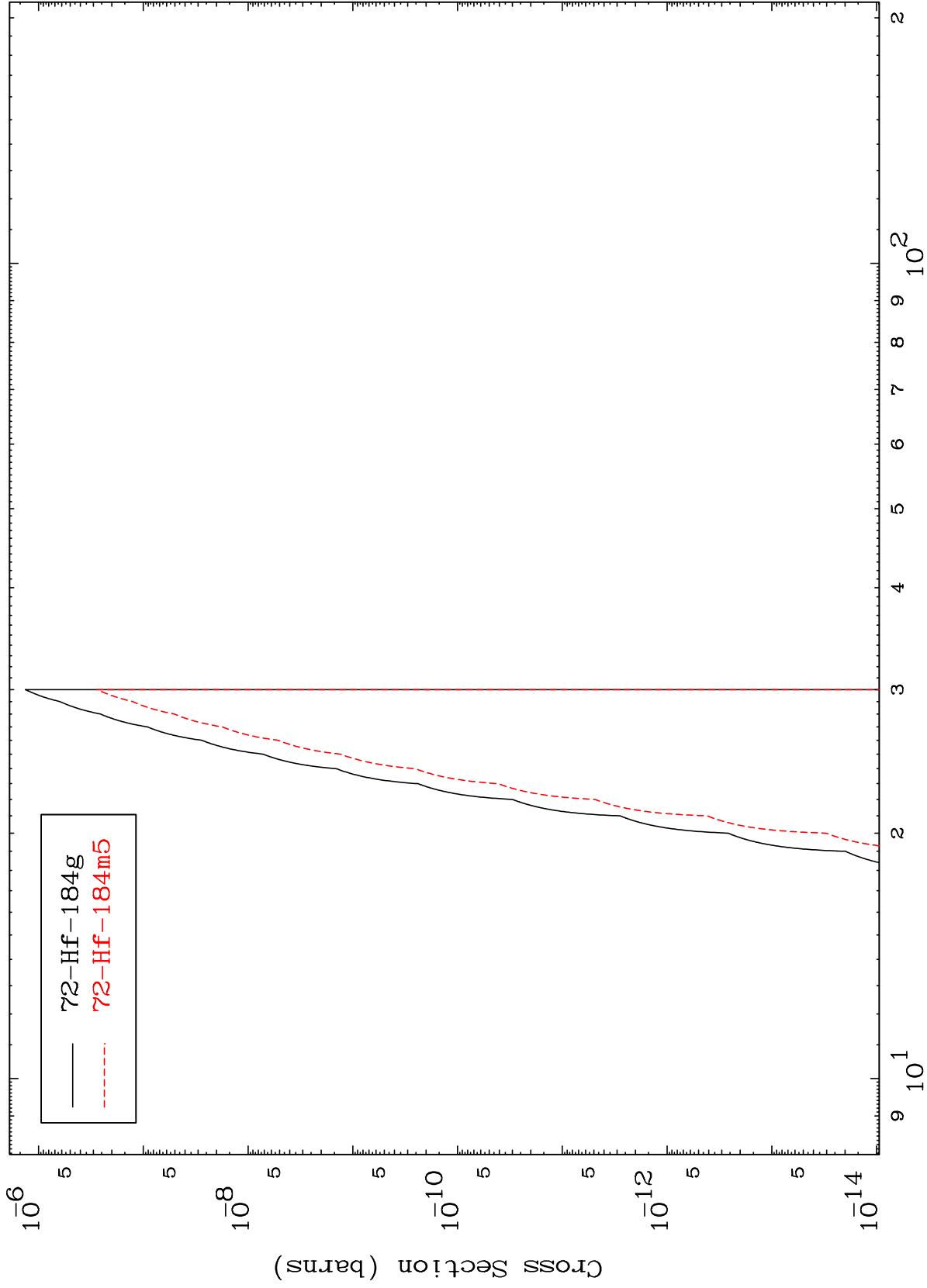




MAT 7440

74-W -185

Radionuclide Production Cross Section  
(n,2p)



74-W -185

Incident Energy (MeV)

128