

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

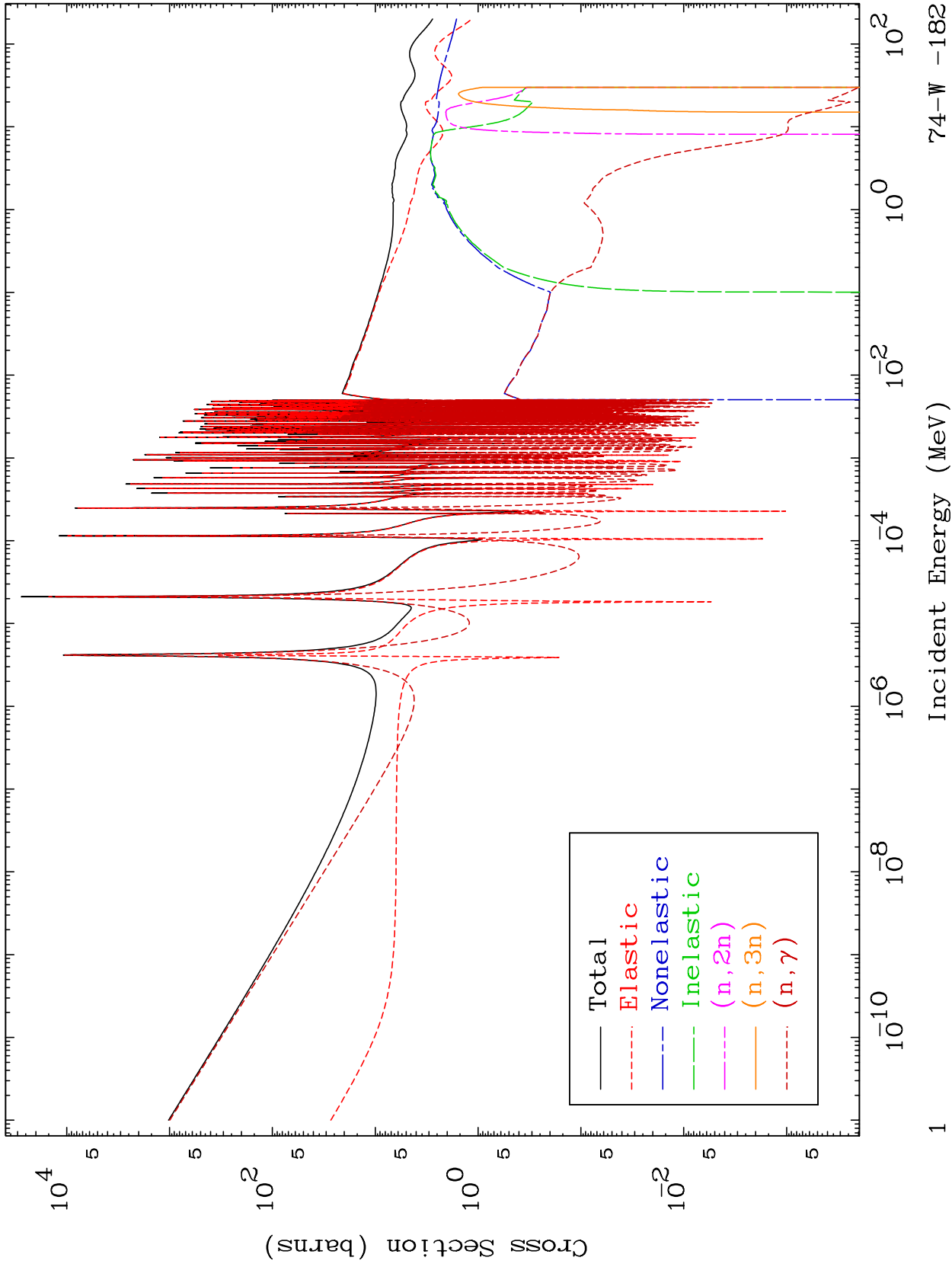
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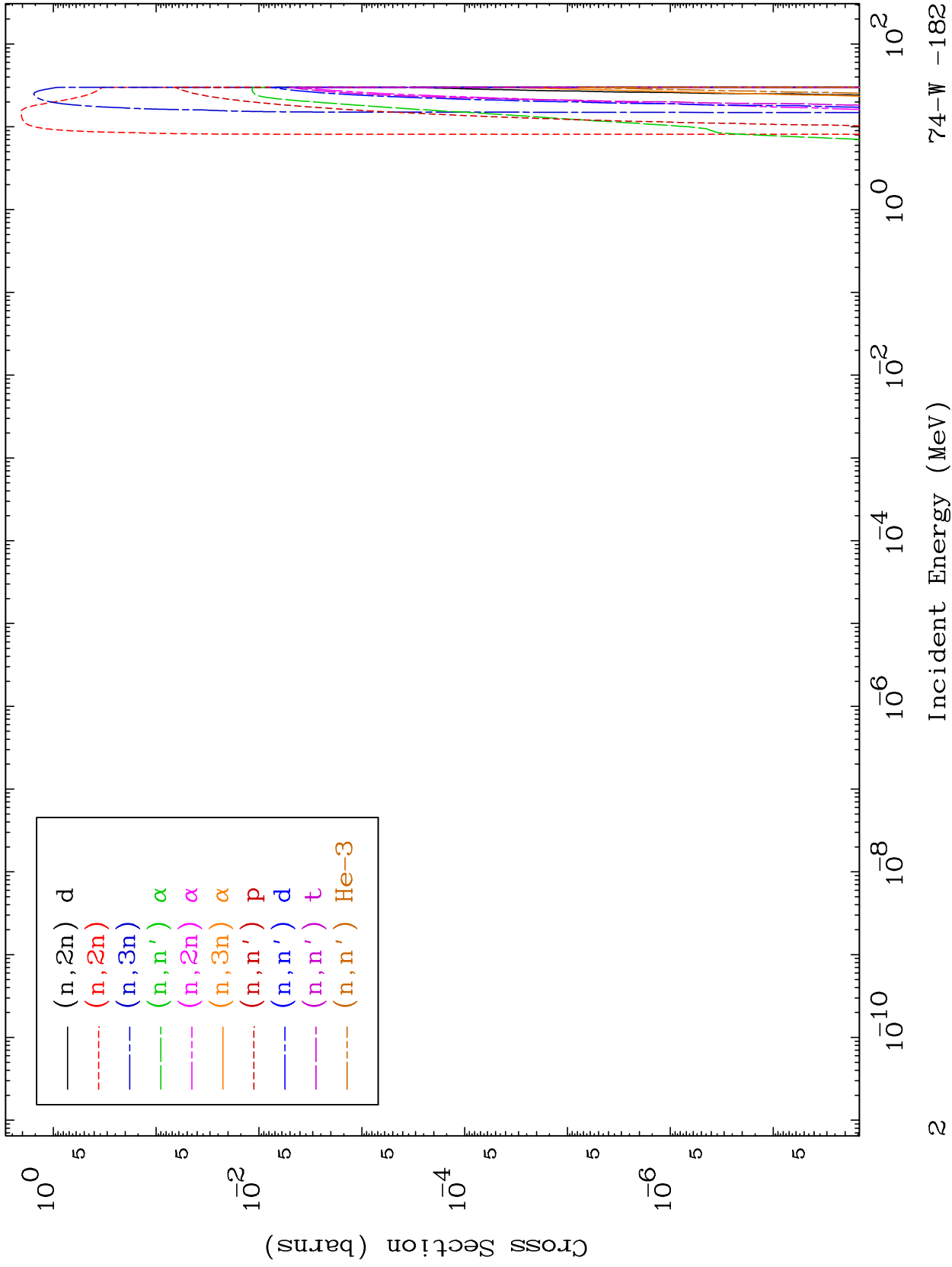
Press Mouse Button to Start

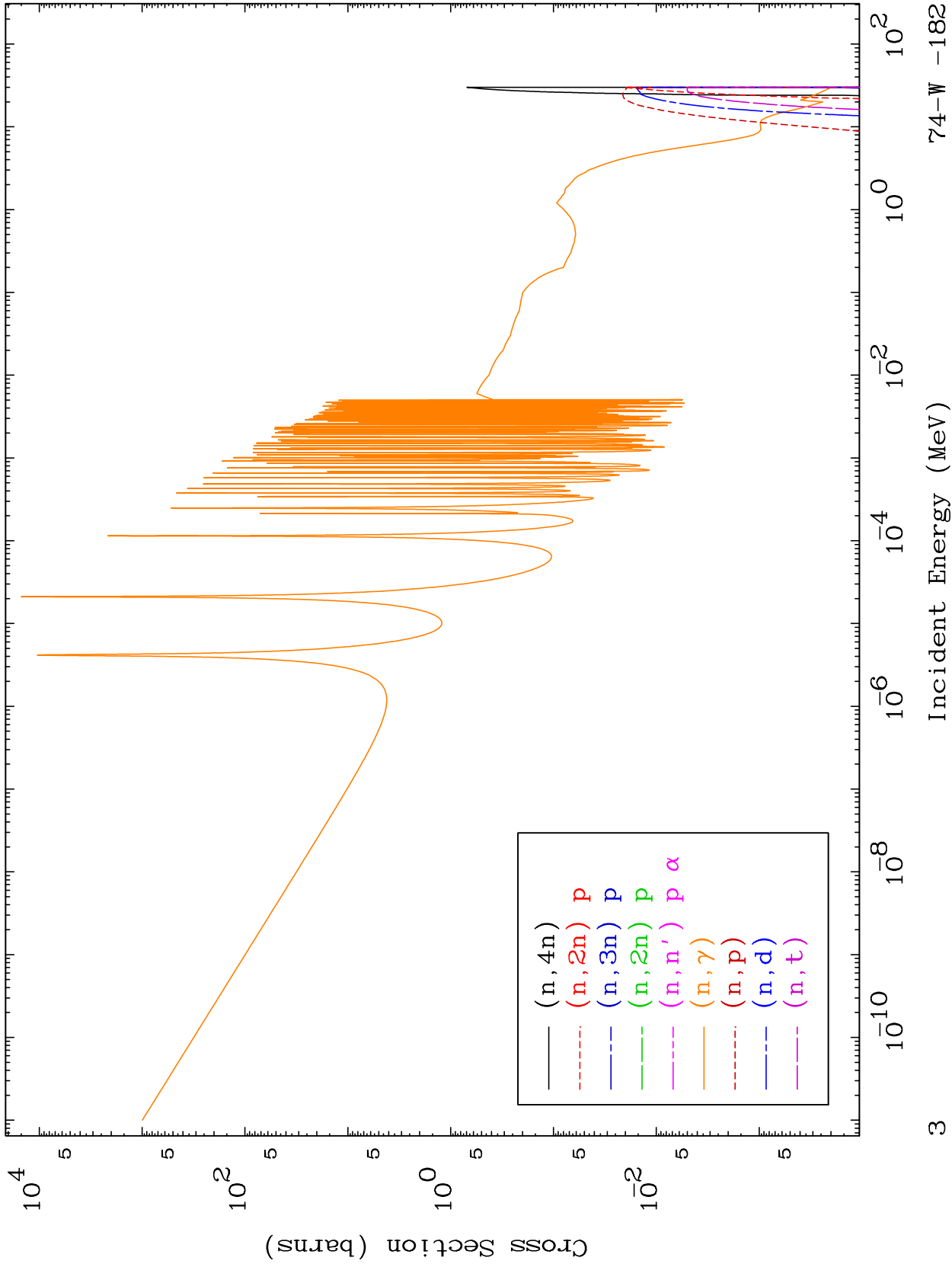


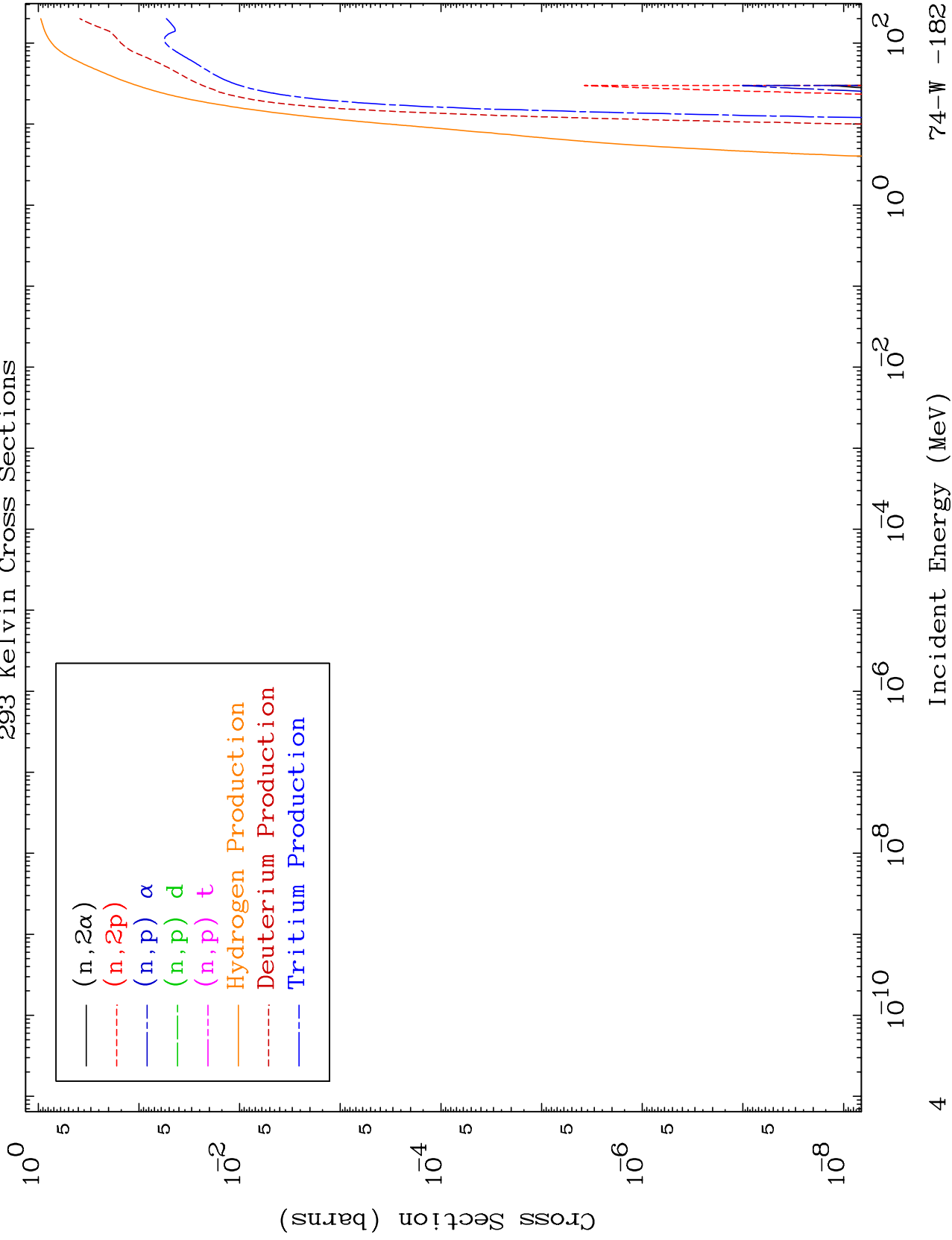
MAT 7431

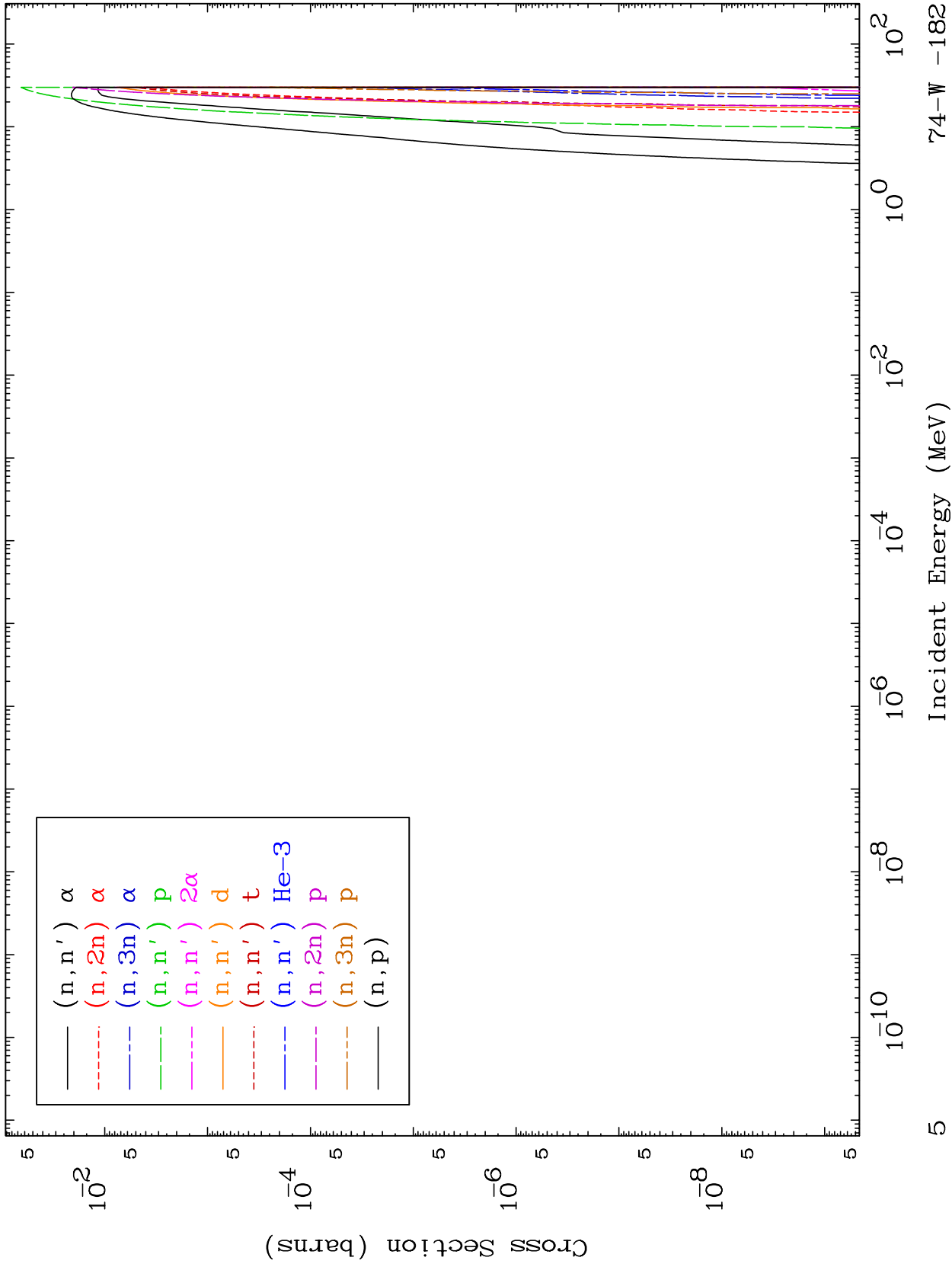
Neutron Absorption  
293 Kelvin Cross Sections

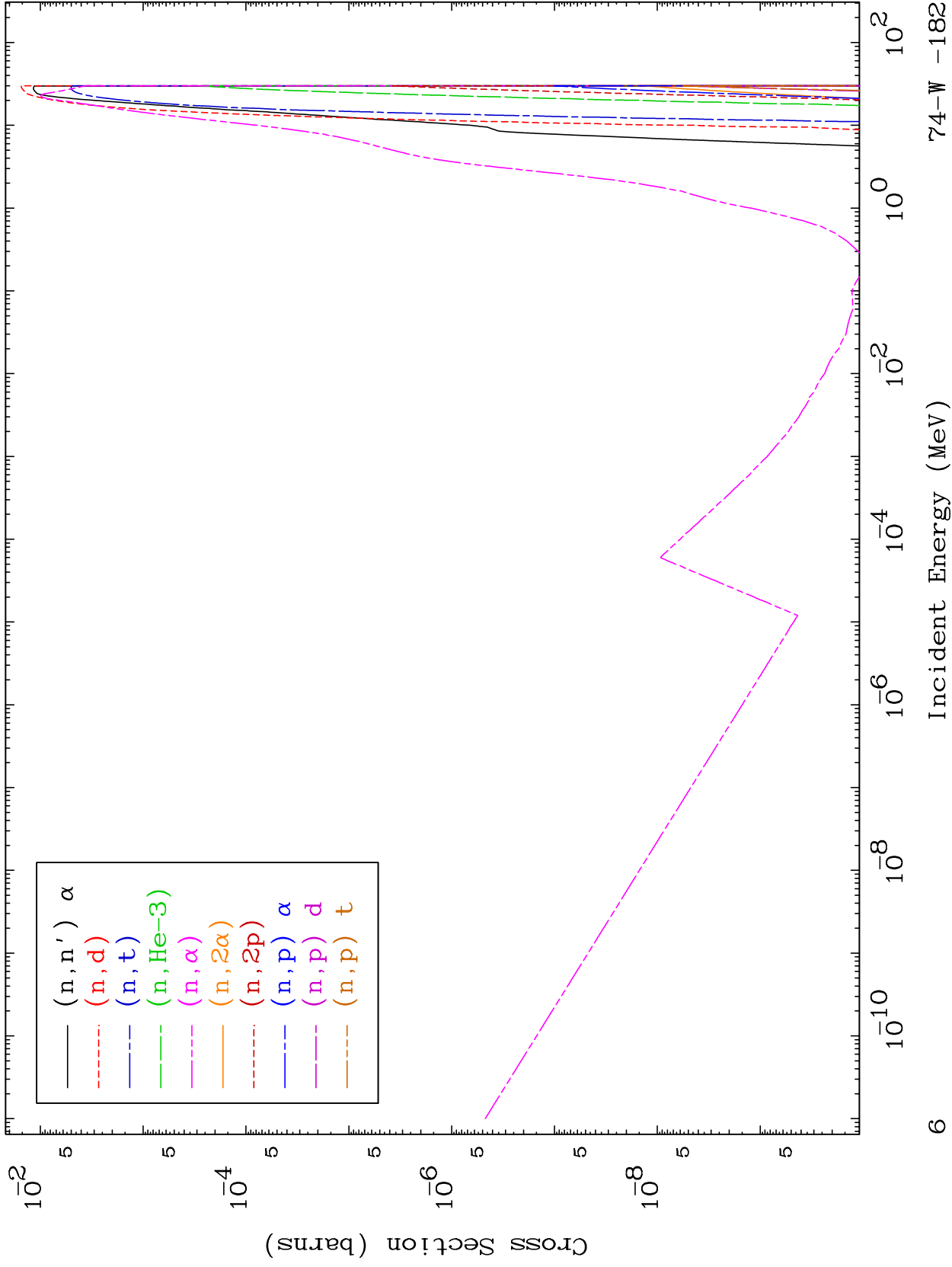
74-W -182

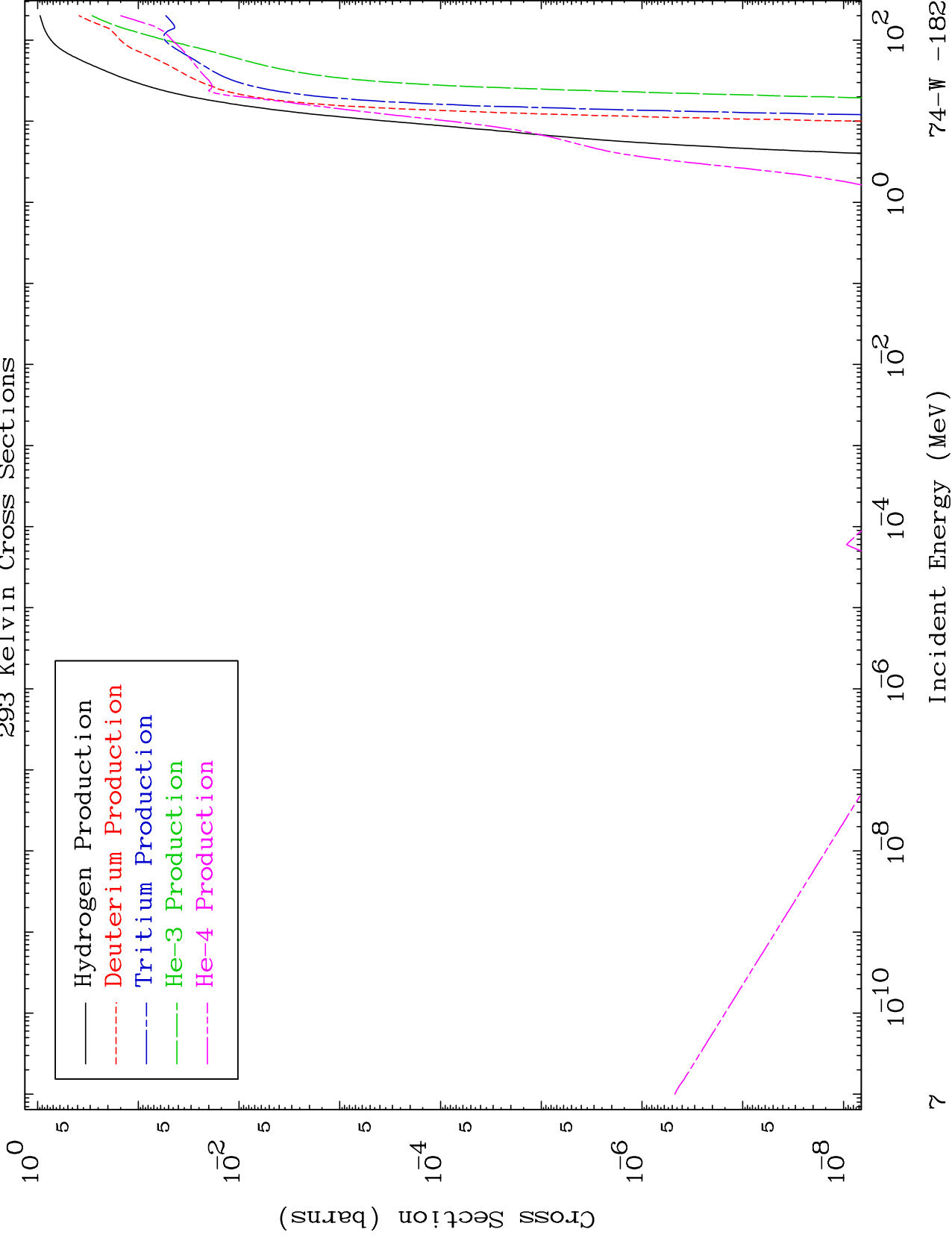




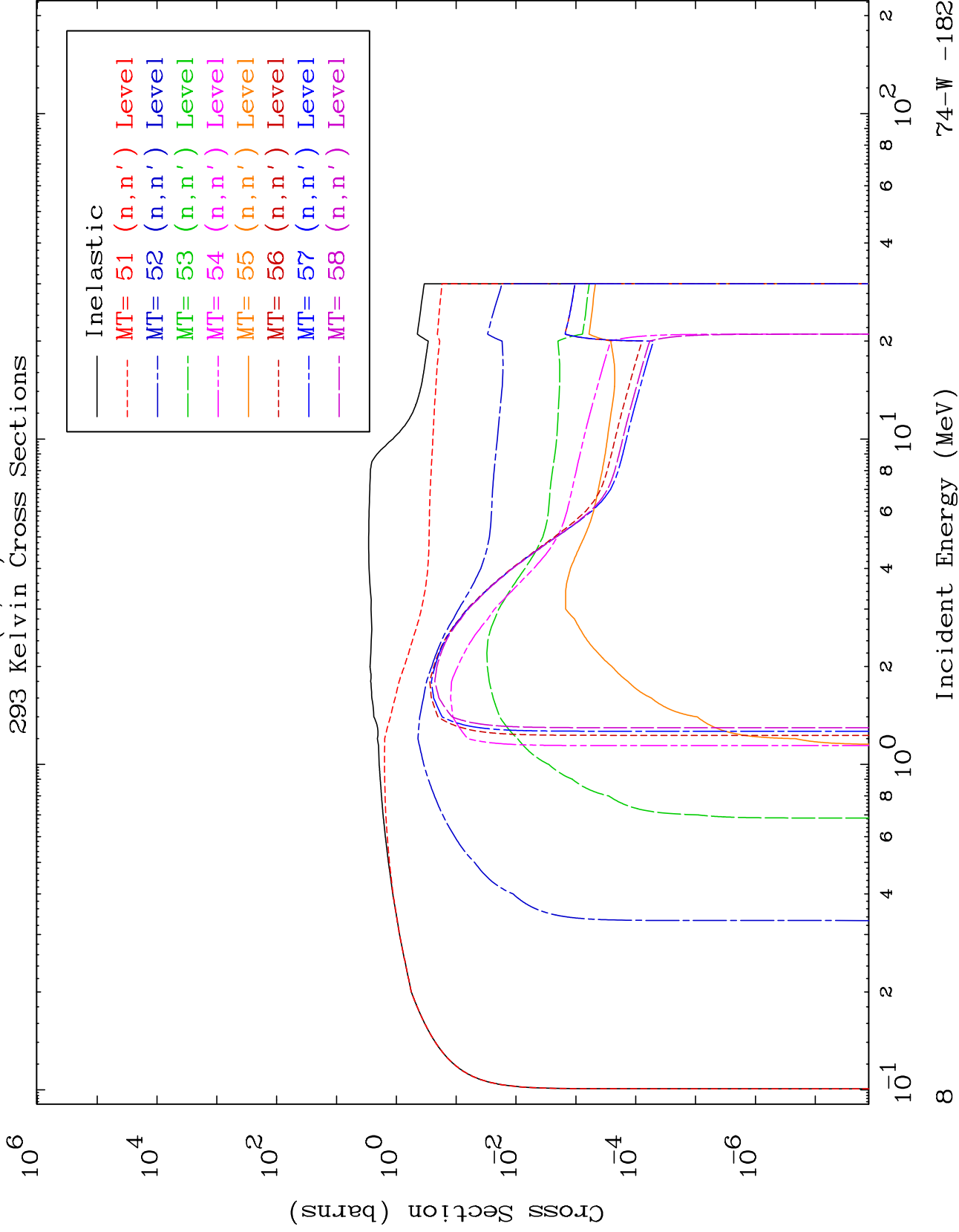










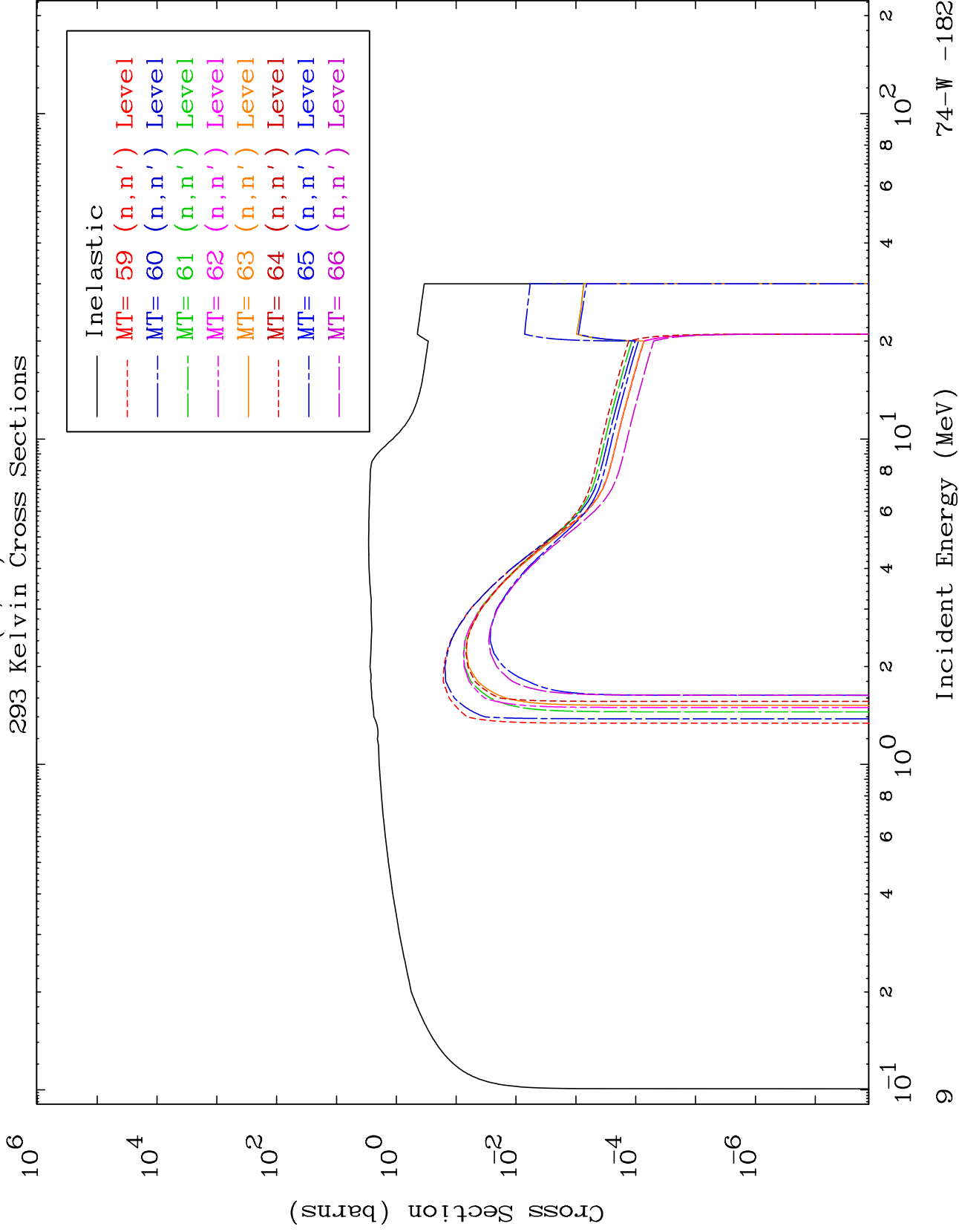


MAT 7431

(n,n') Levels

293 Kelvin Cross Sections

74-W -182



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Incident Energy (MeV)

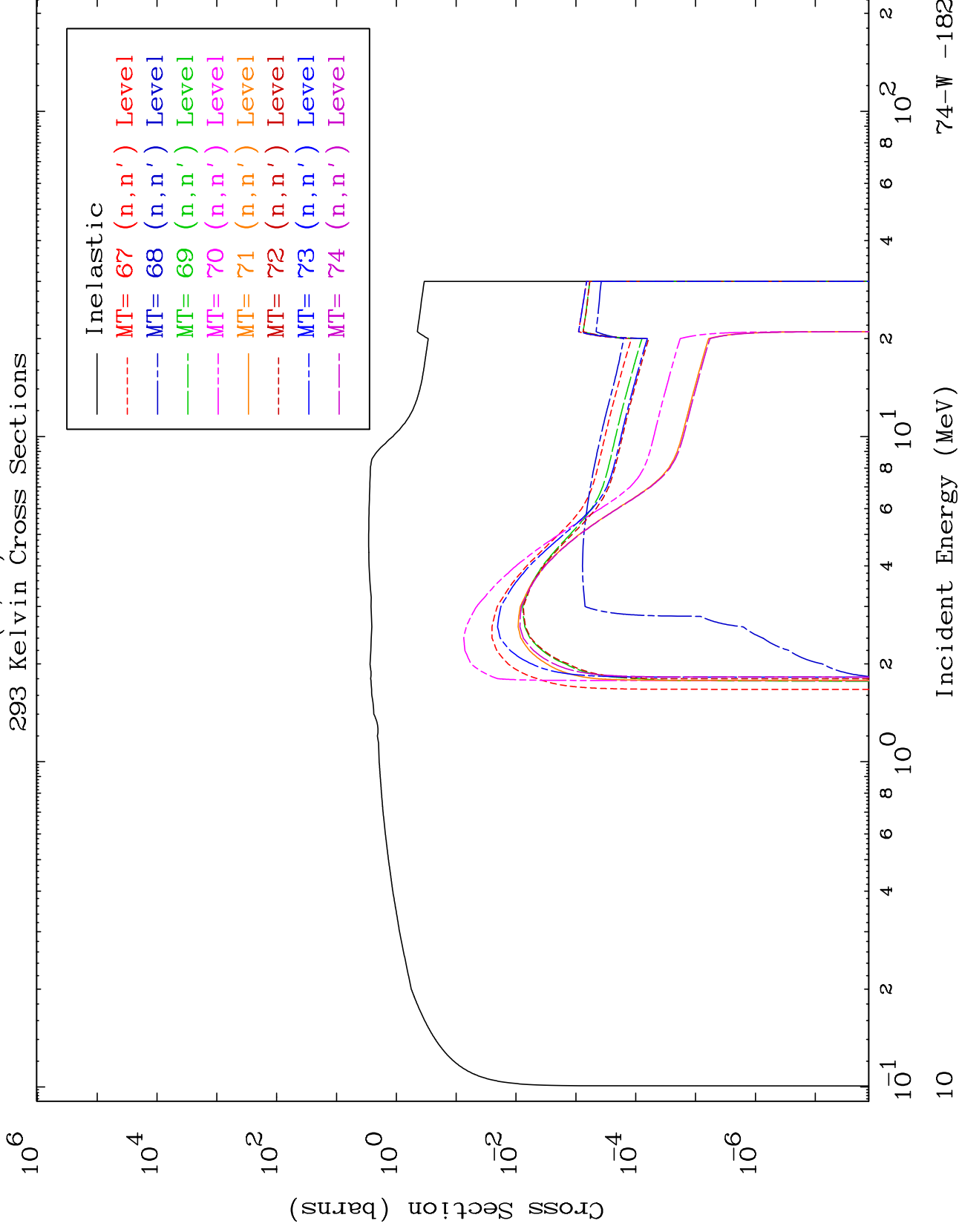
74-W -182

MAT 7431

(n,n') Levels

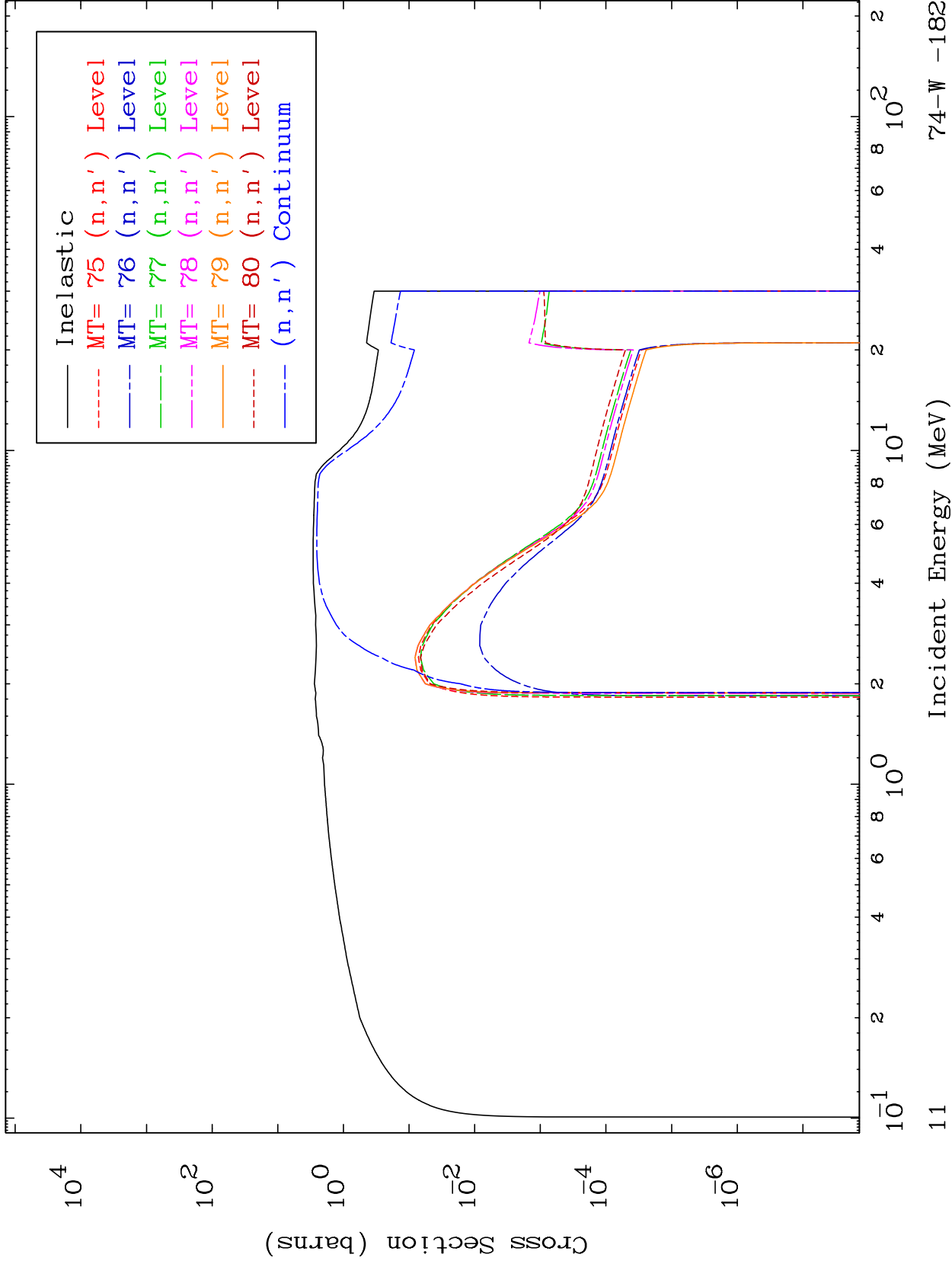
293 Kelvin Cross Sections

74-W -182



Incident Energy (MeV)

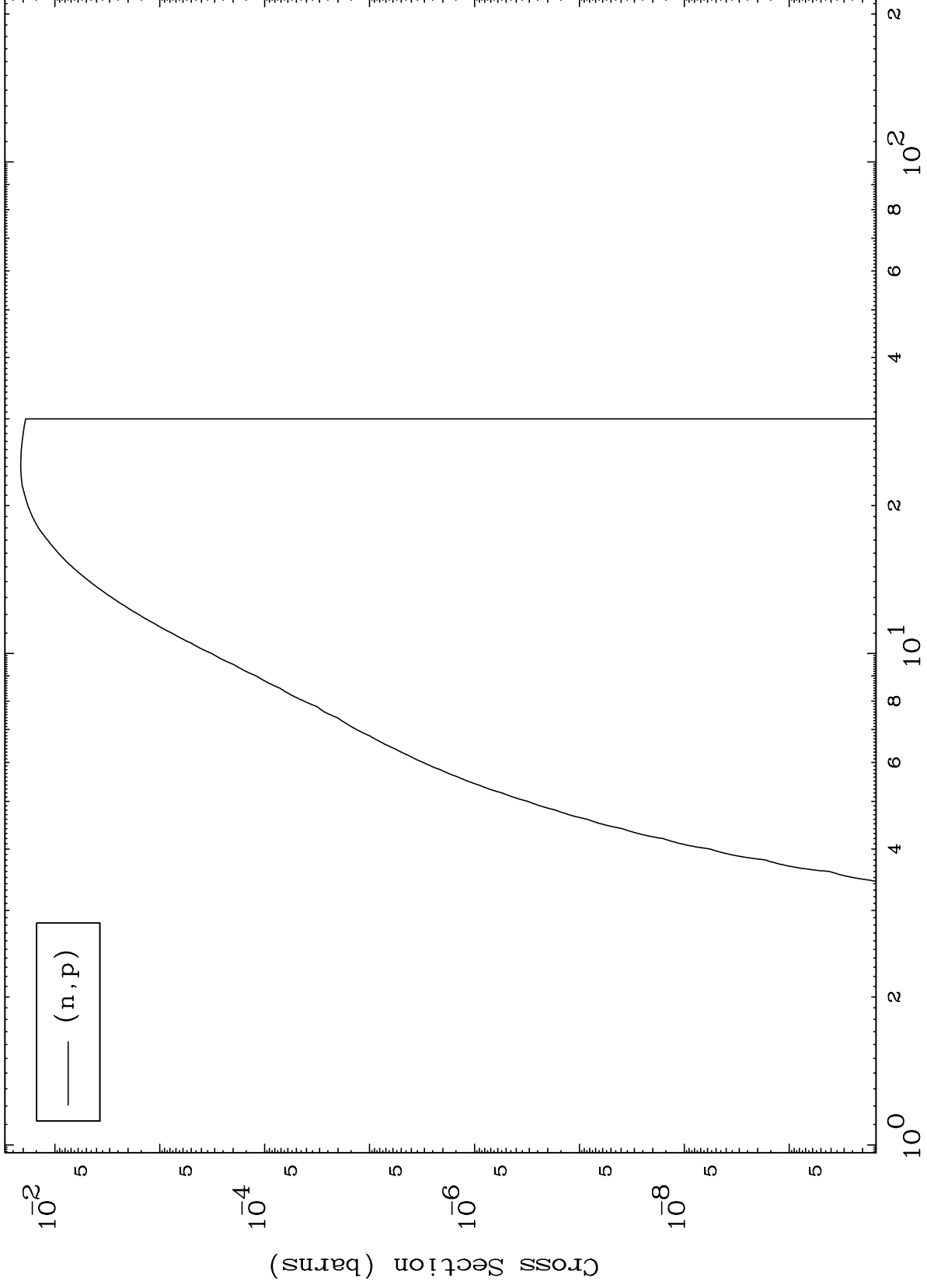
74-W -182



MAT 7431

(n,p) Levels  
293 Kelvin Cross Sections

74-W -182



12

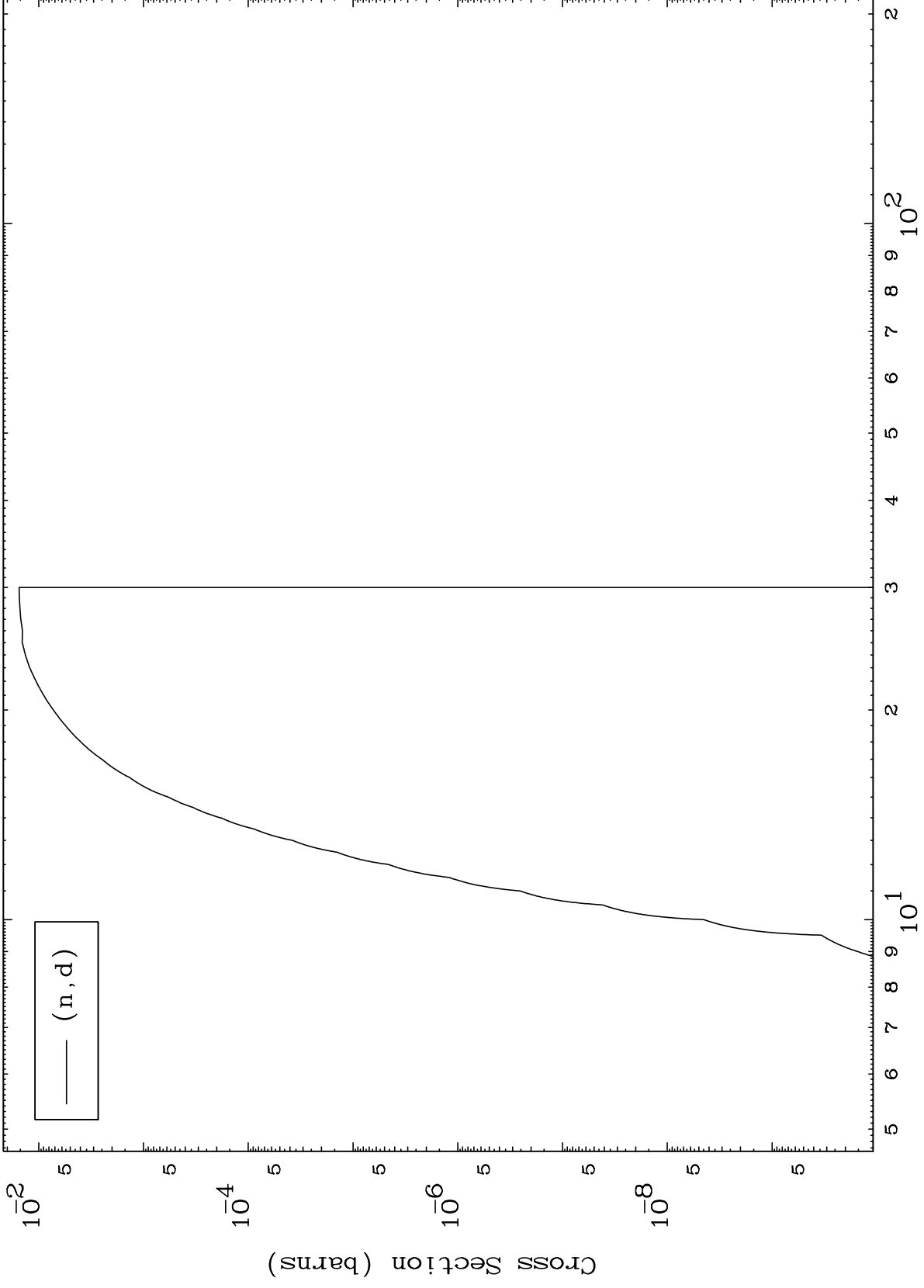
Incident Energy (MeV)

74-W -182

MAT 7431

(n,d) Levels  
293 Kelvin Cross Sections

74-W -182



13

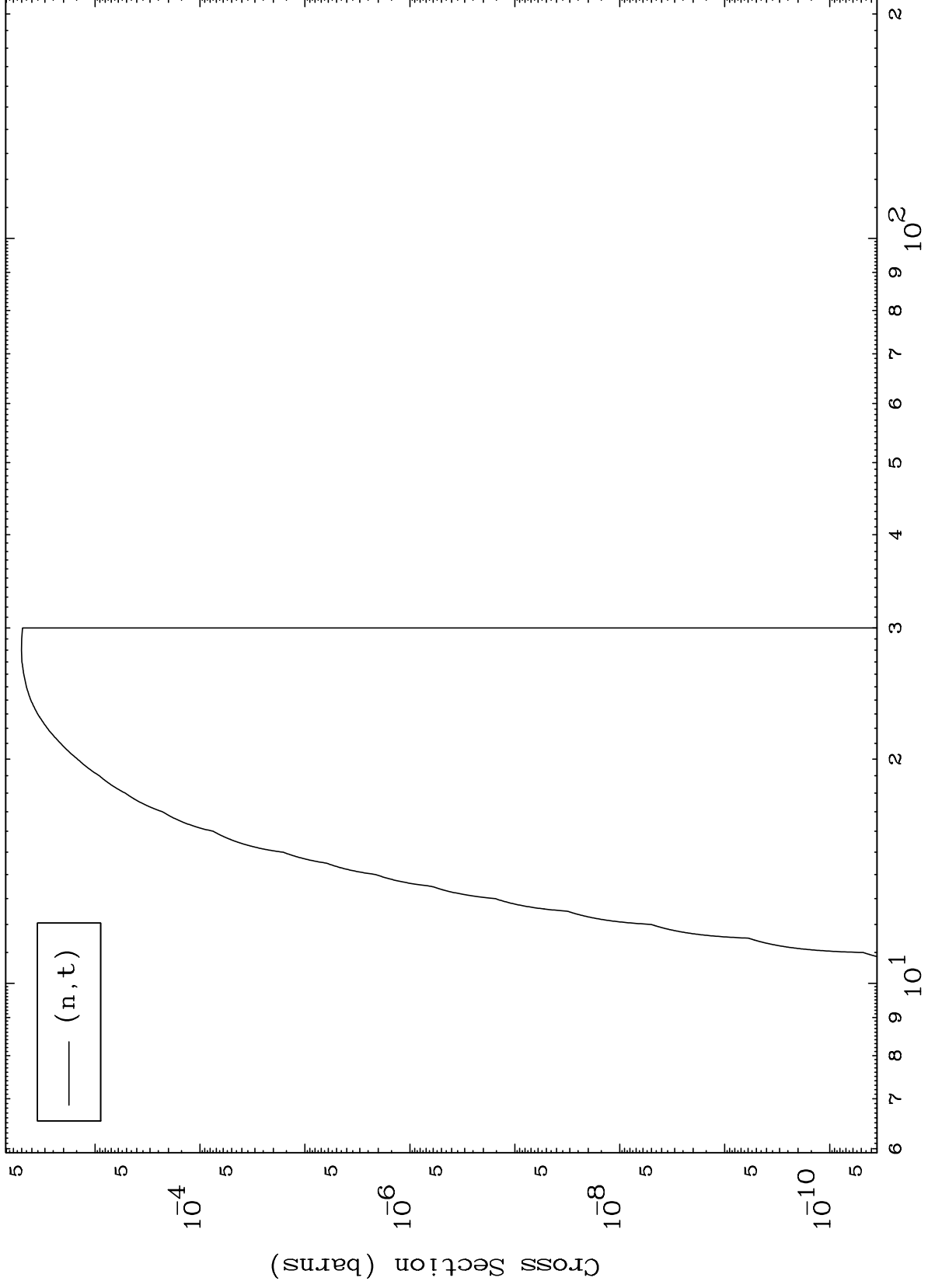
Incident Energy (MeV)

74-W -182

MAT 7431

(n,t) Levels  
293 Kelvin Cross Sections

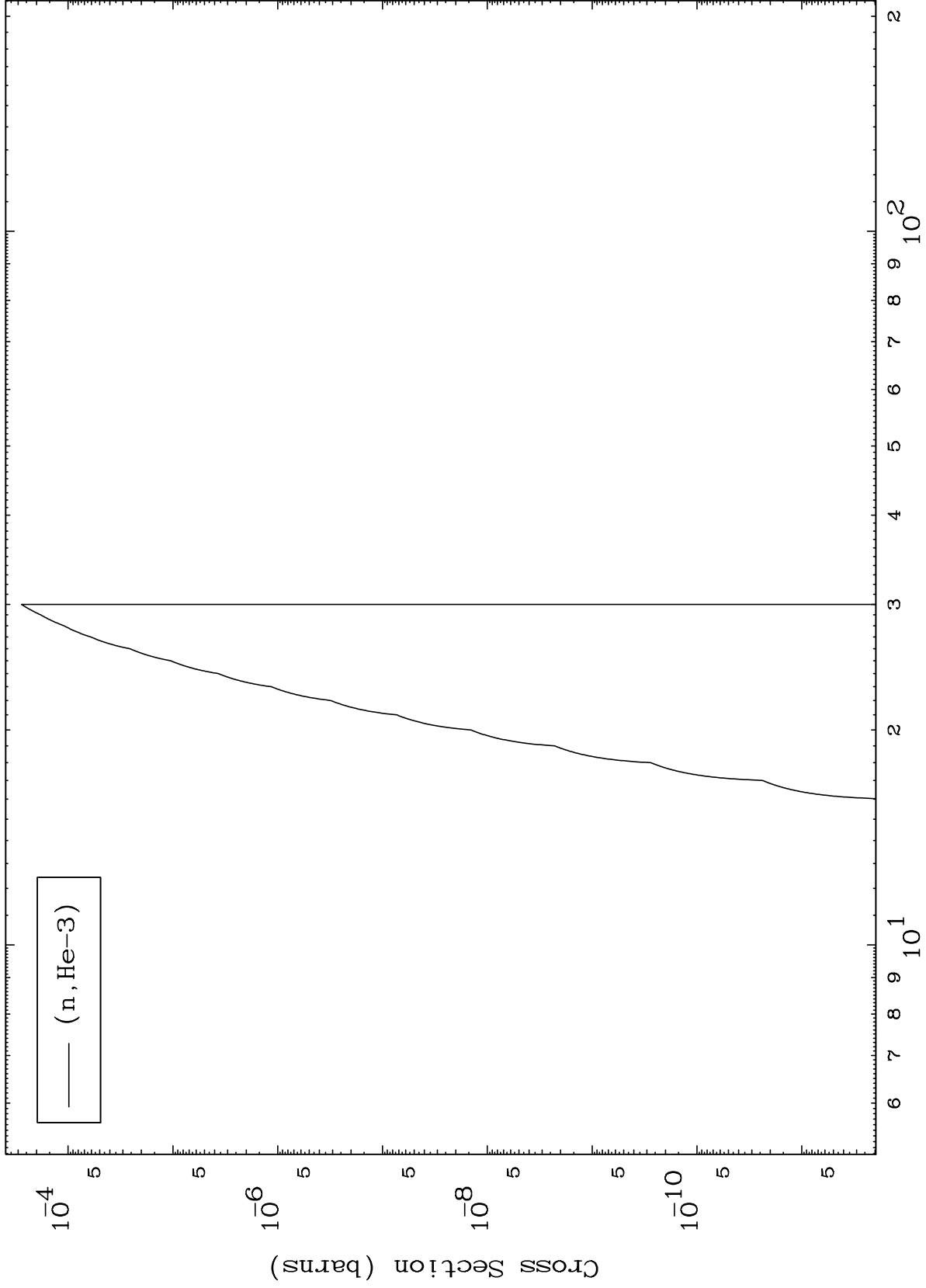
74-W -182



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Incident Energy (MeV)

74-W -182

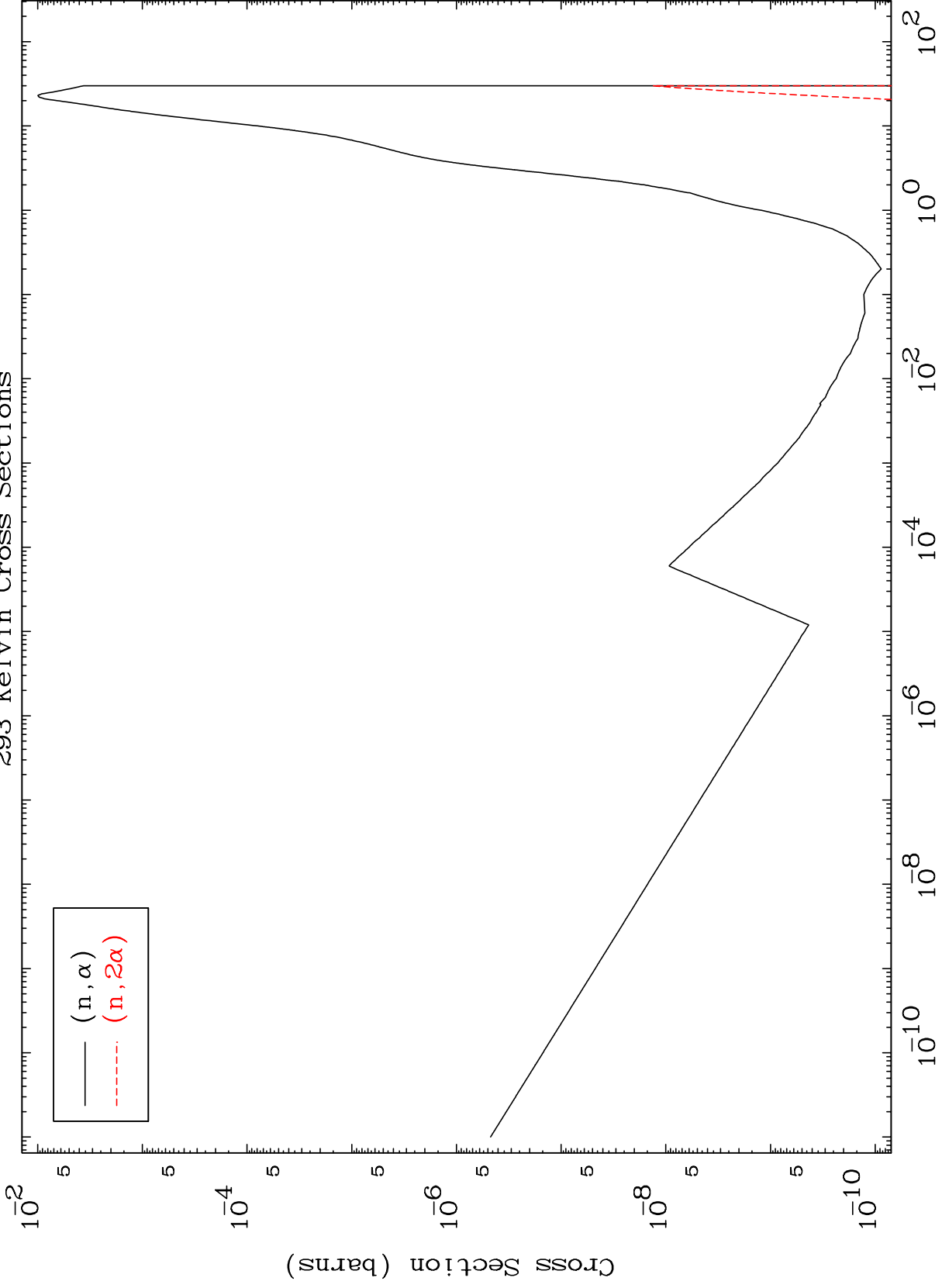




MAT 7431

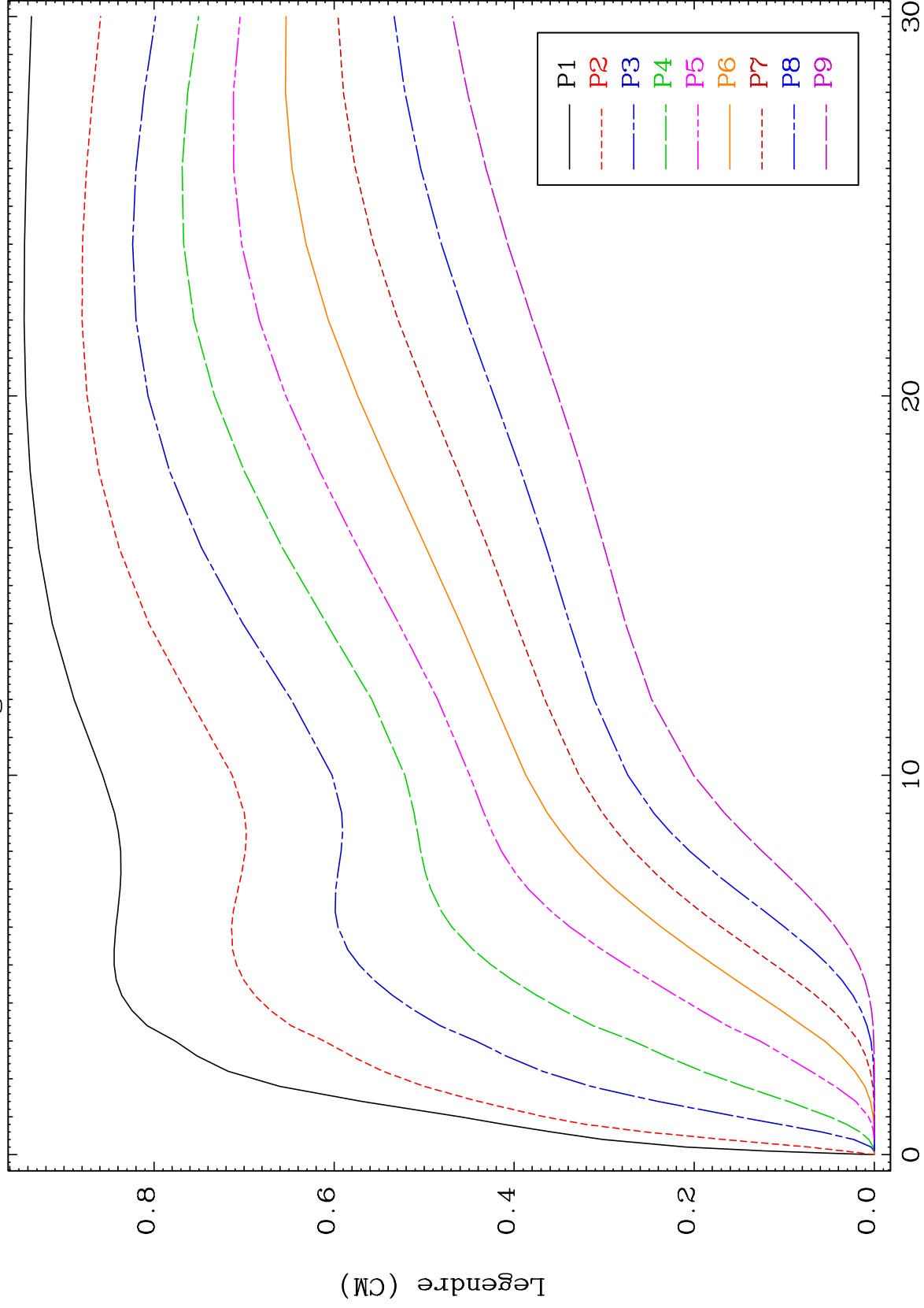
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

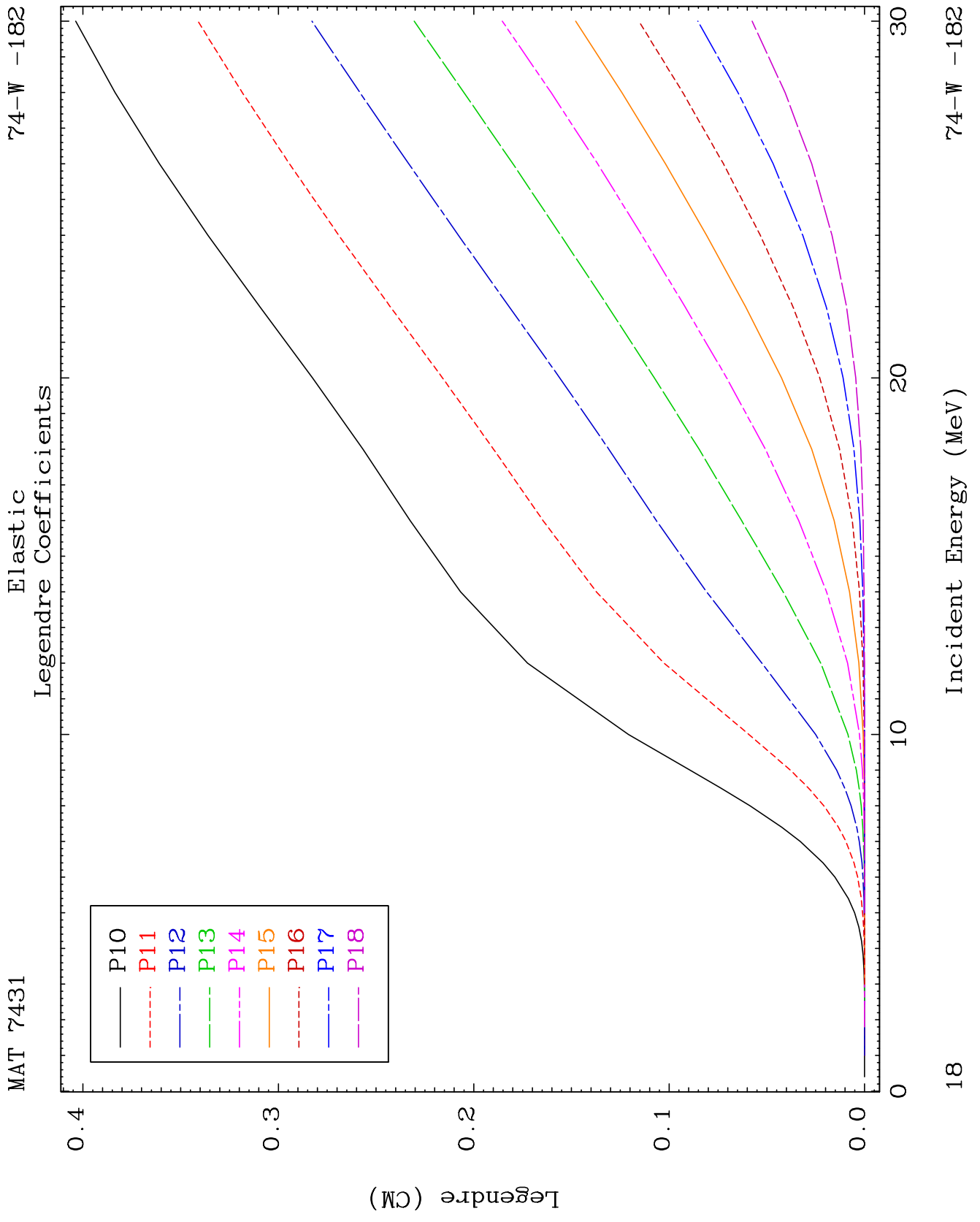
74-W -182



Incident Energy (MeV)

74-W -182

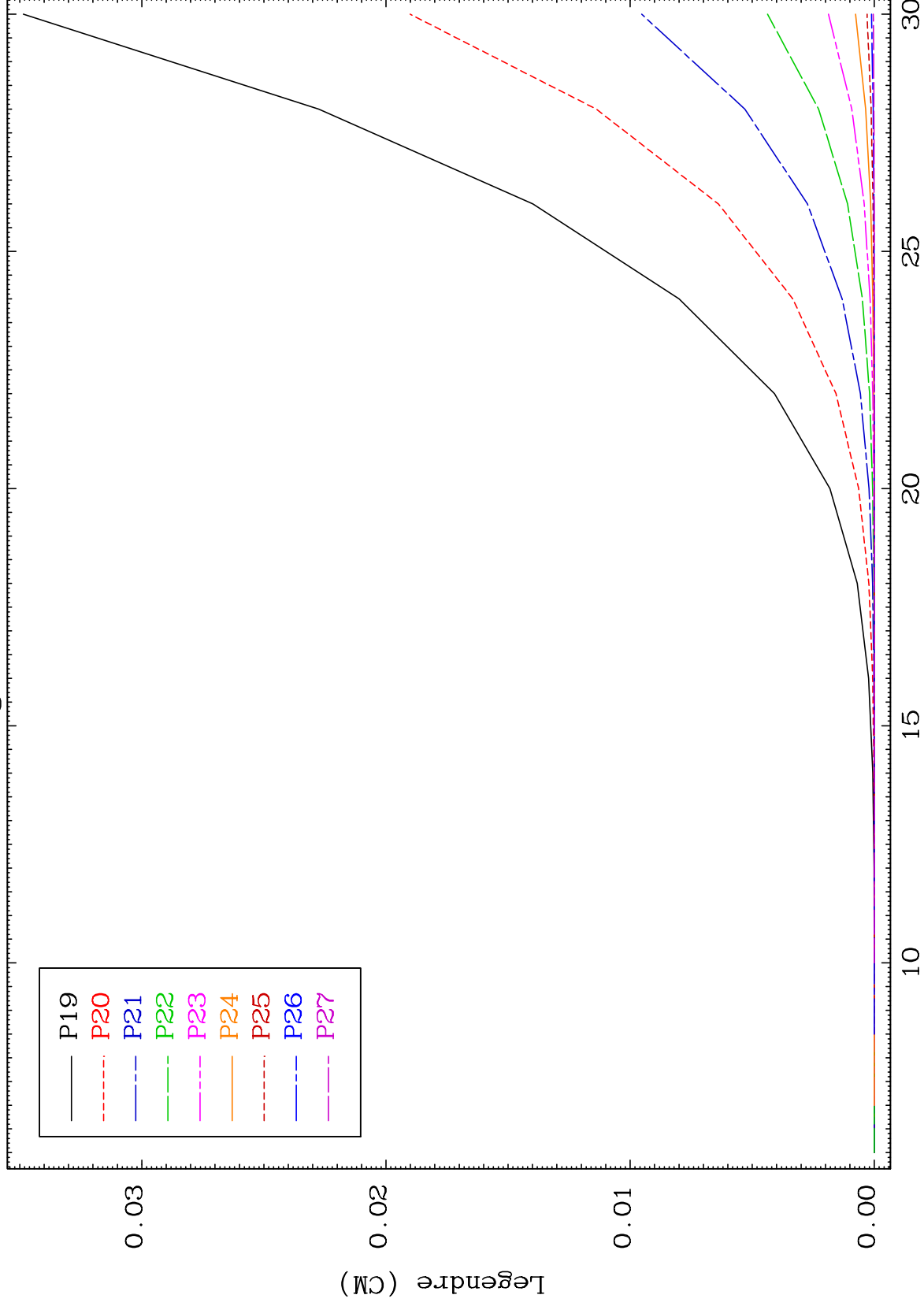




MAT 7431

### Elastic Legendre Coefficients

74-W -182



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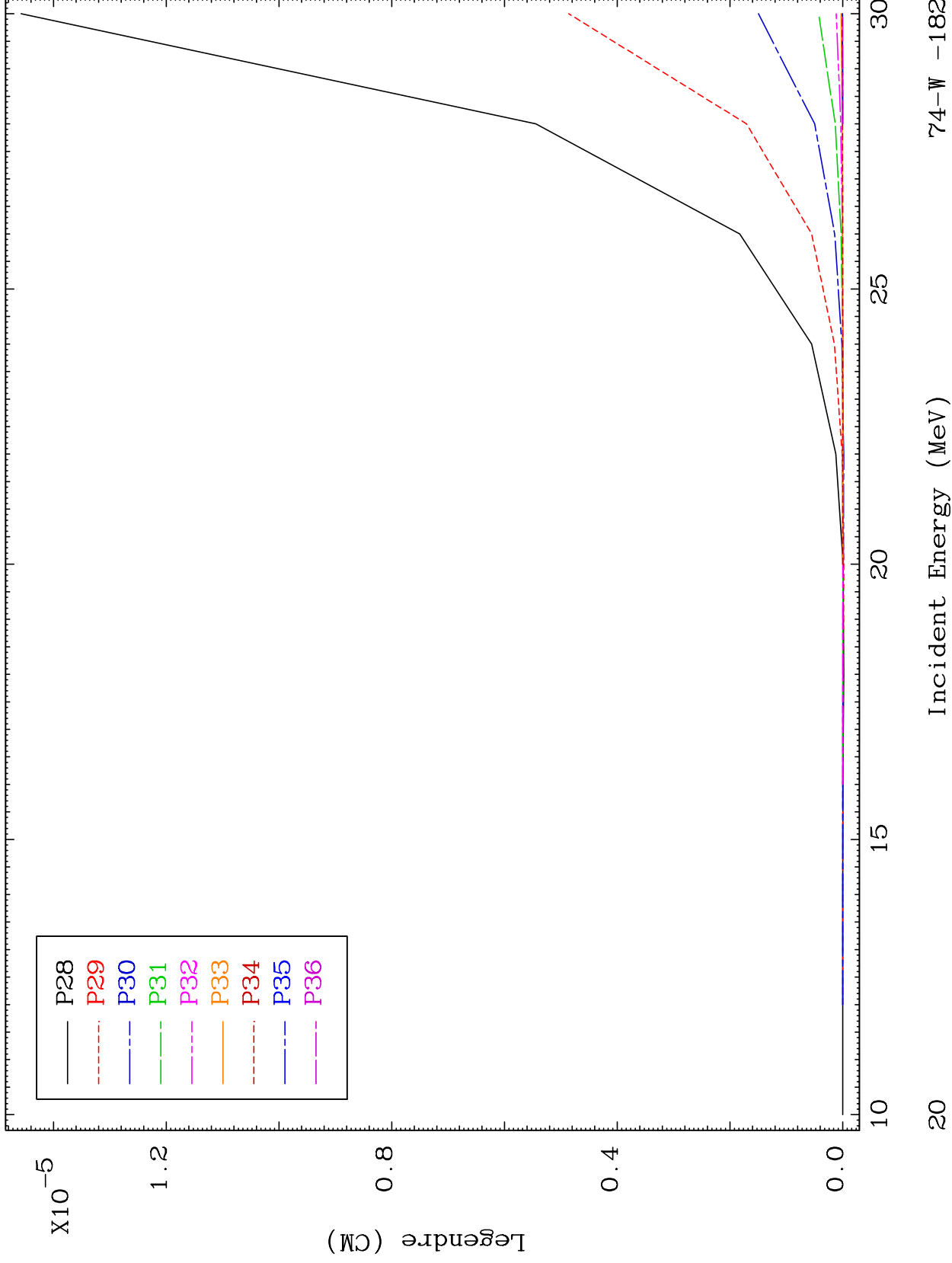
Incident Energy (MeV)

74-W -182

MAT 7431

Elastic  
Legendre Coefficients

74-W -182



20

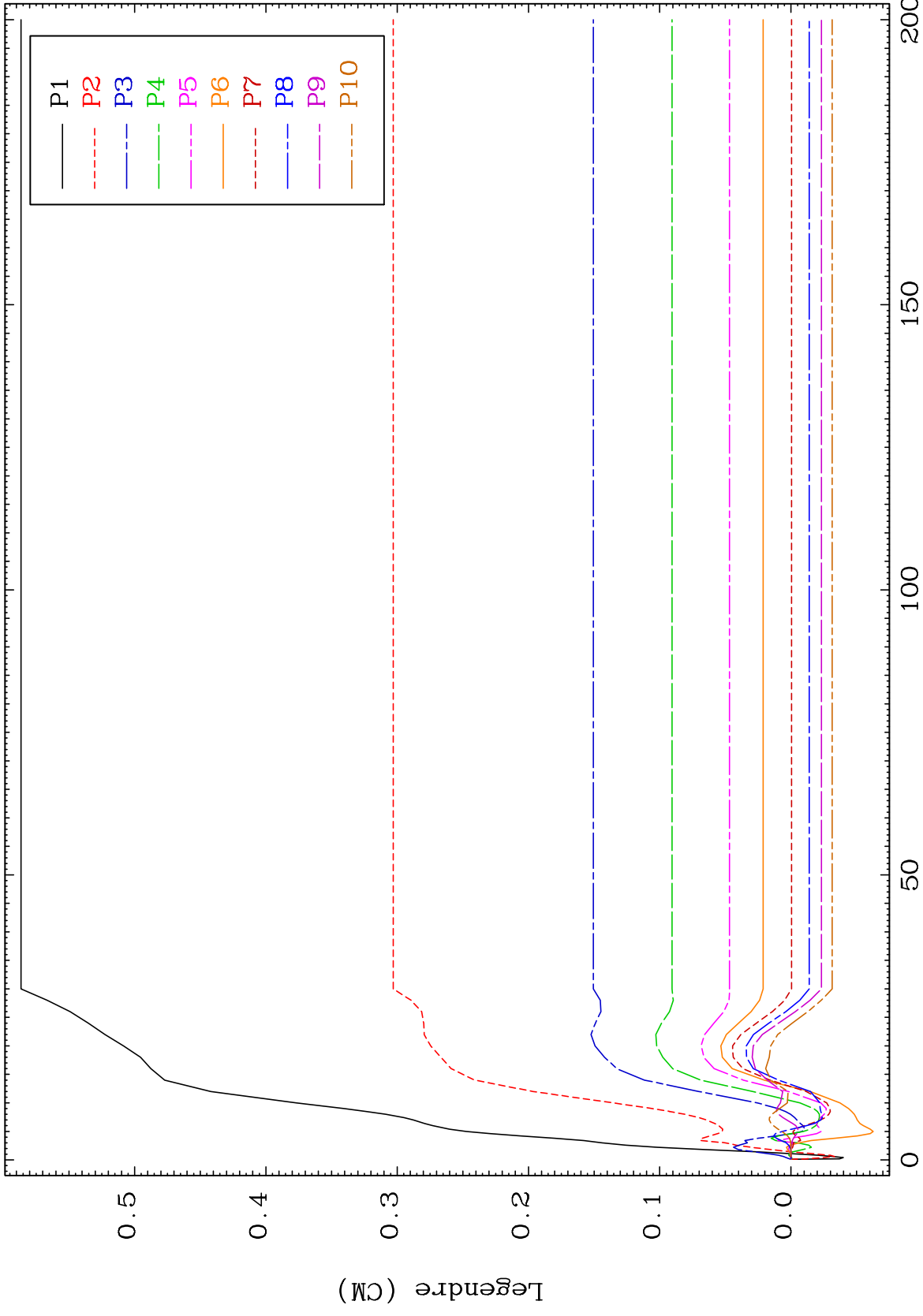
Incident Energy (MeV)

74-W -182

MAT 7431

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

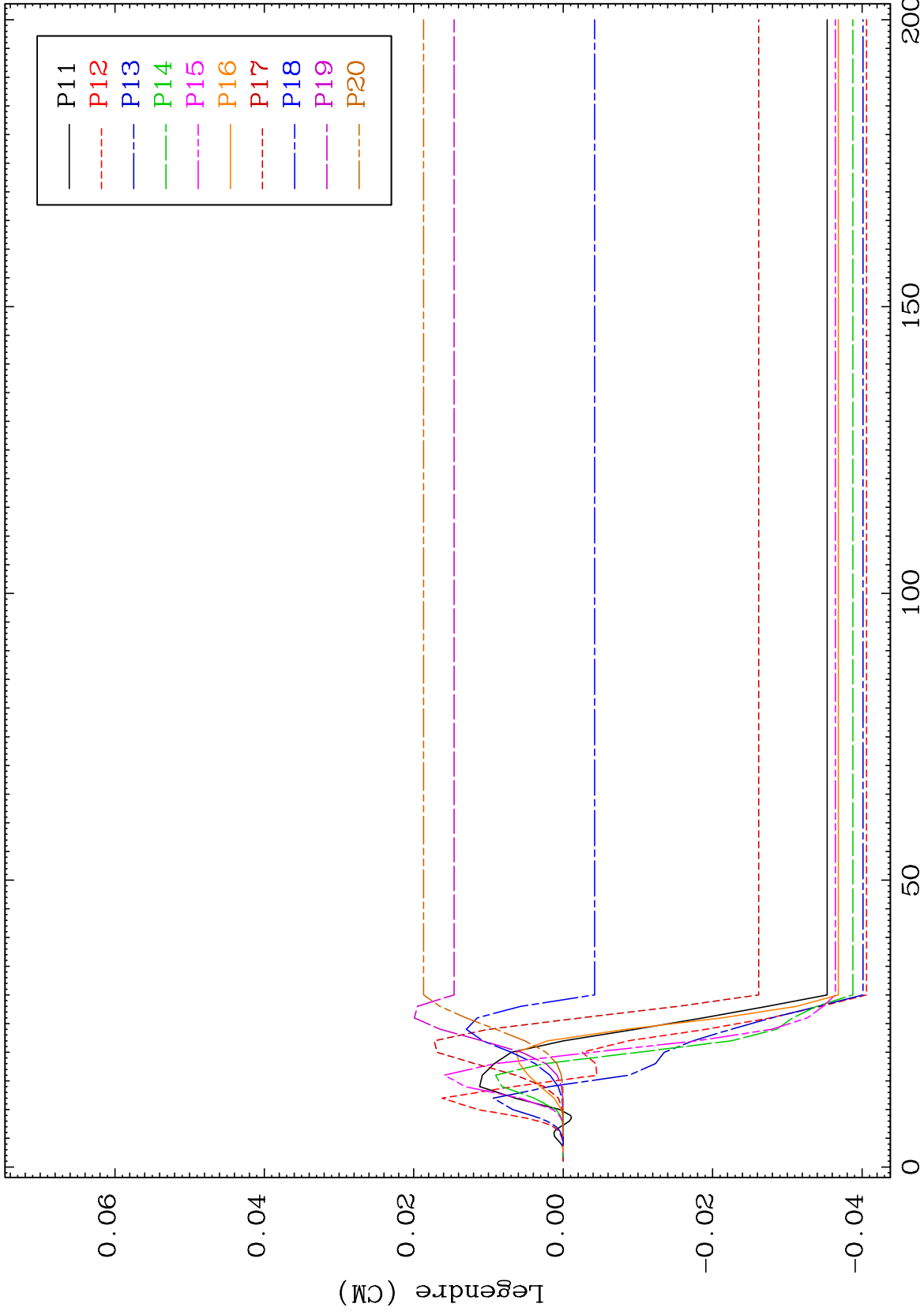
74-W -182

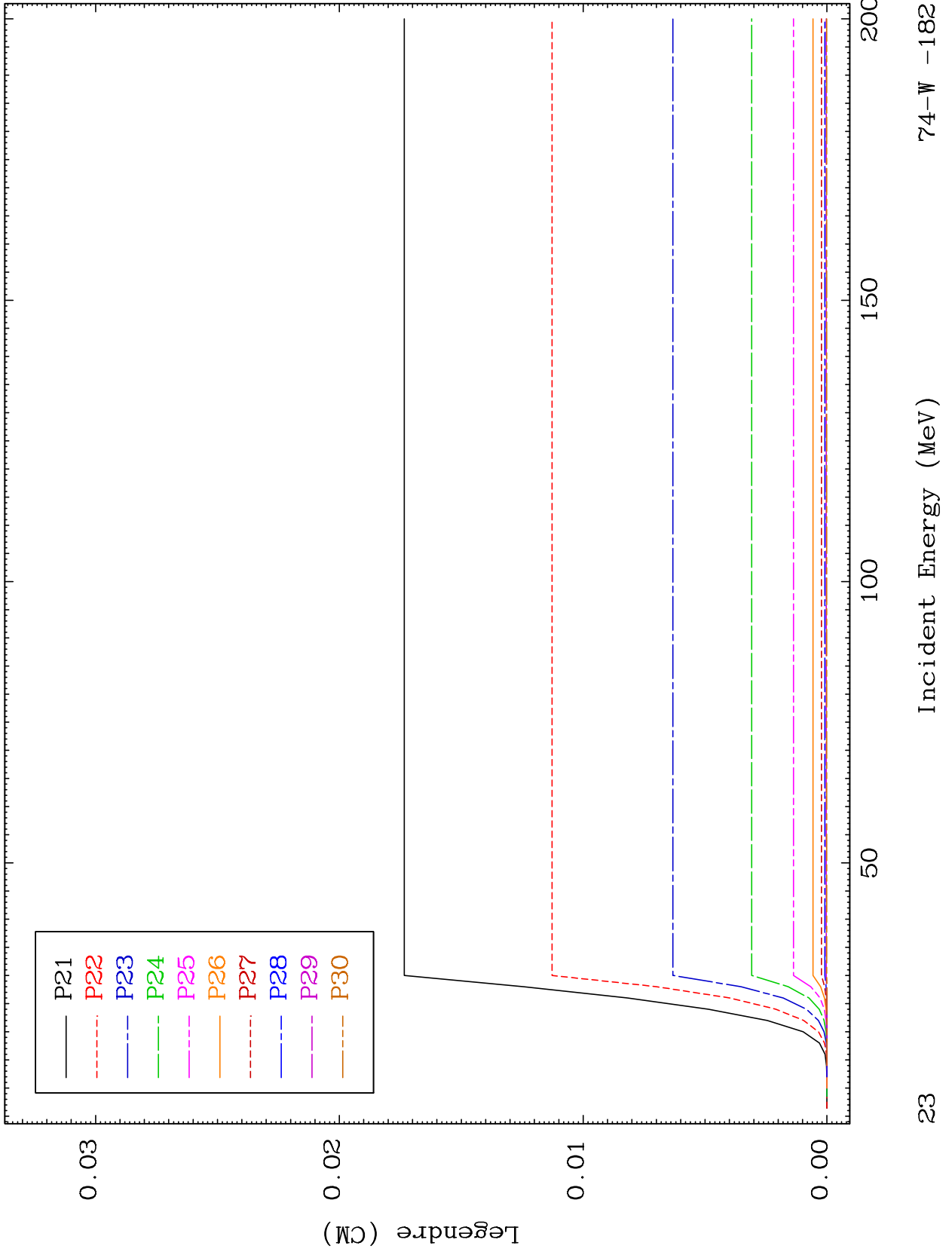


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Incident Energy (MeV)

74-W -182



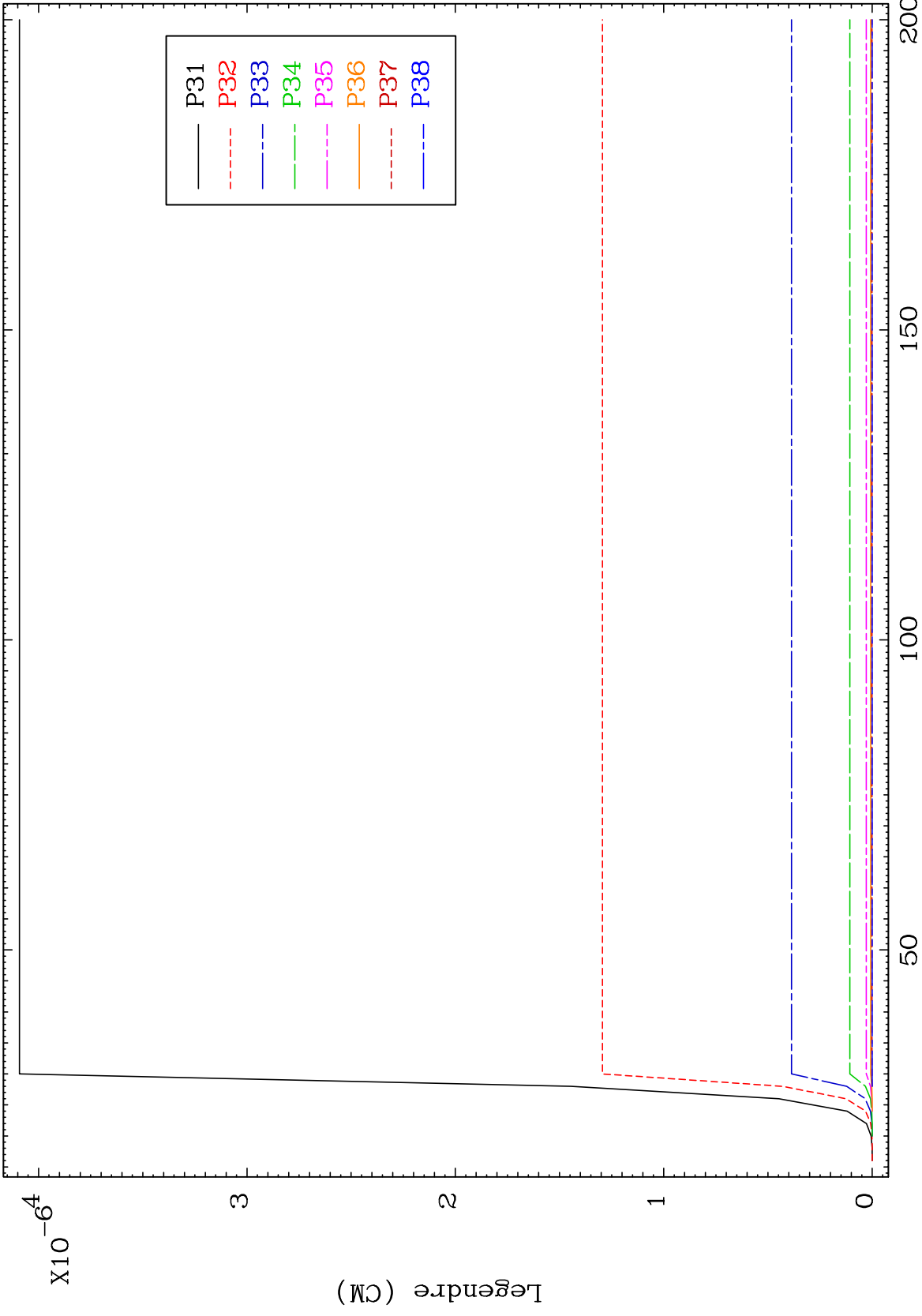




MAT 7431

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

74-W -182



24

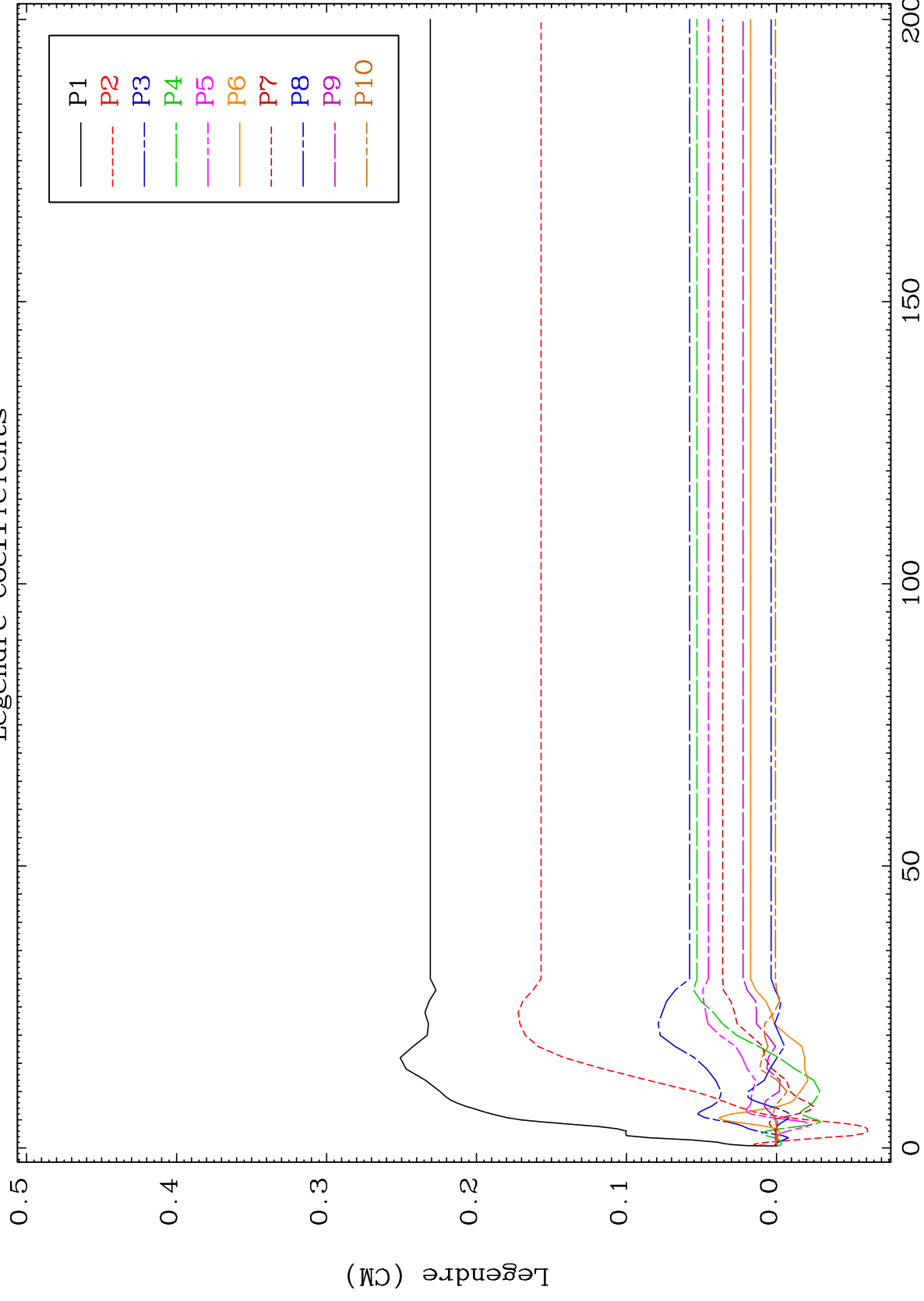
Incident Energy (MeV)

74-W -182

MAT 7431

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

74-W -182



25

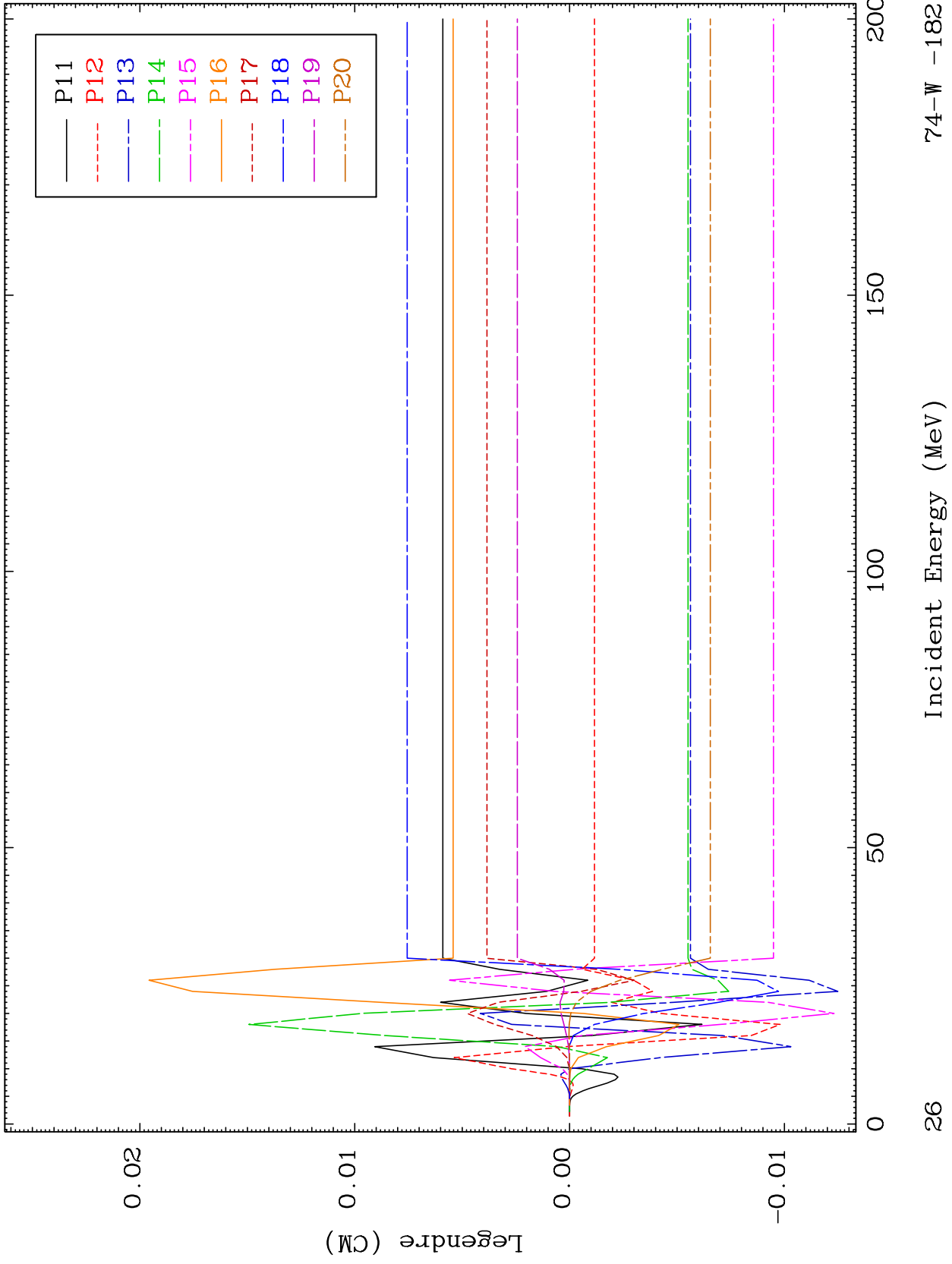
Incident Energy (MeV)

74-W -182

MAT 7431

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

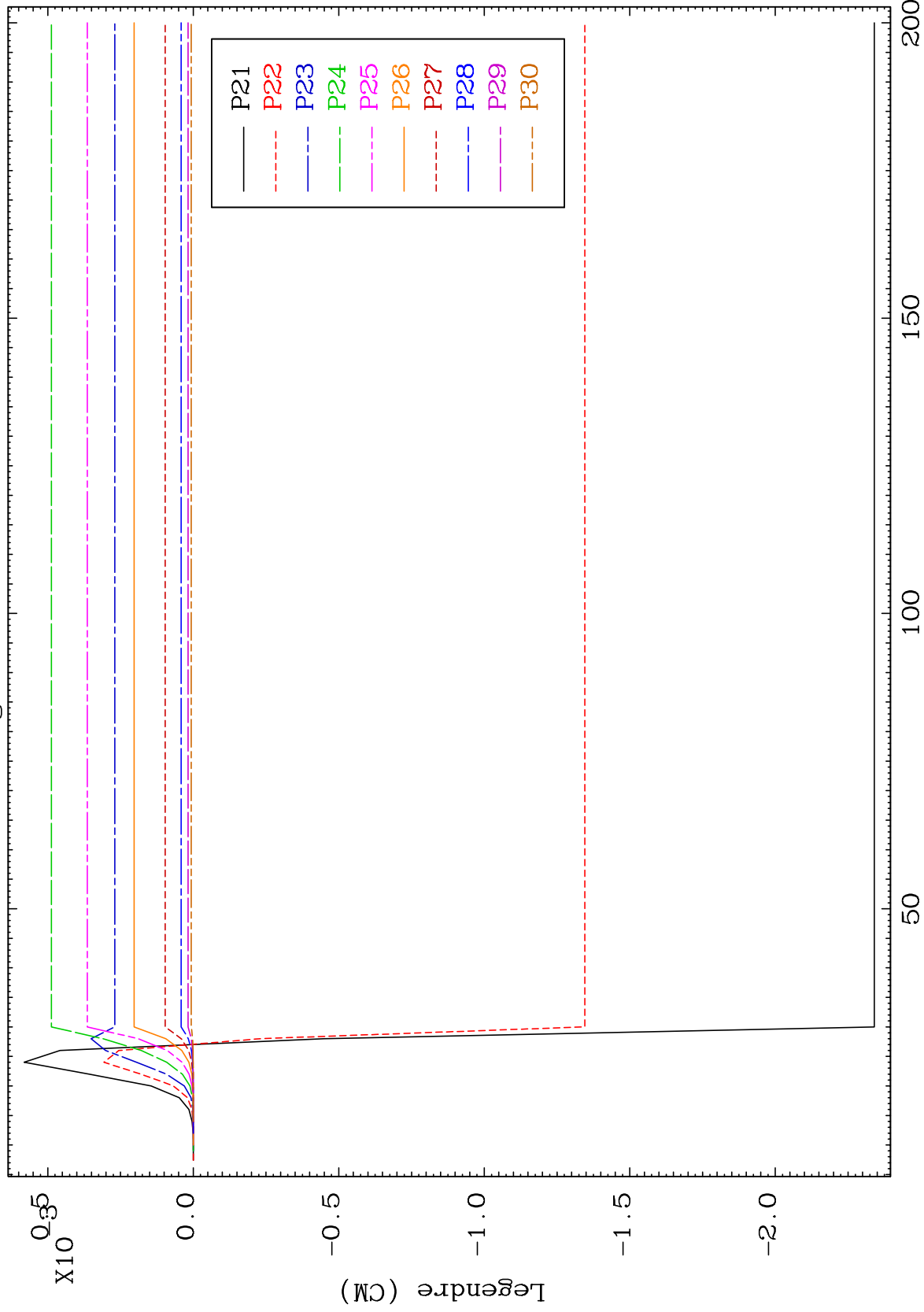
74-W -182

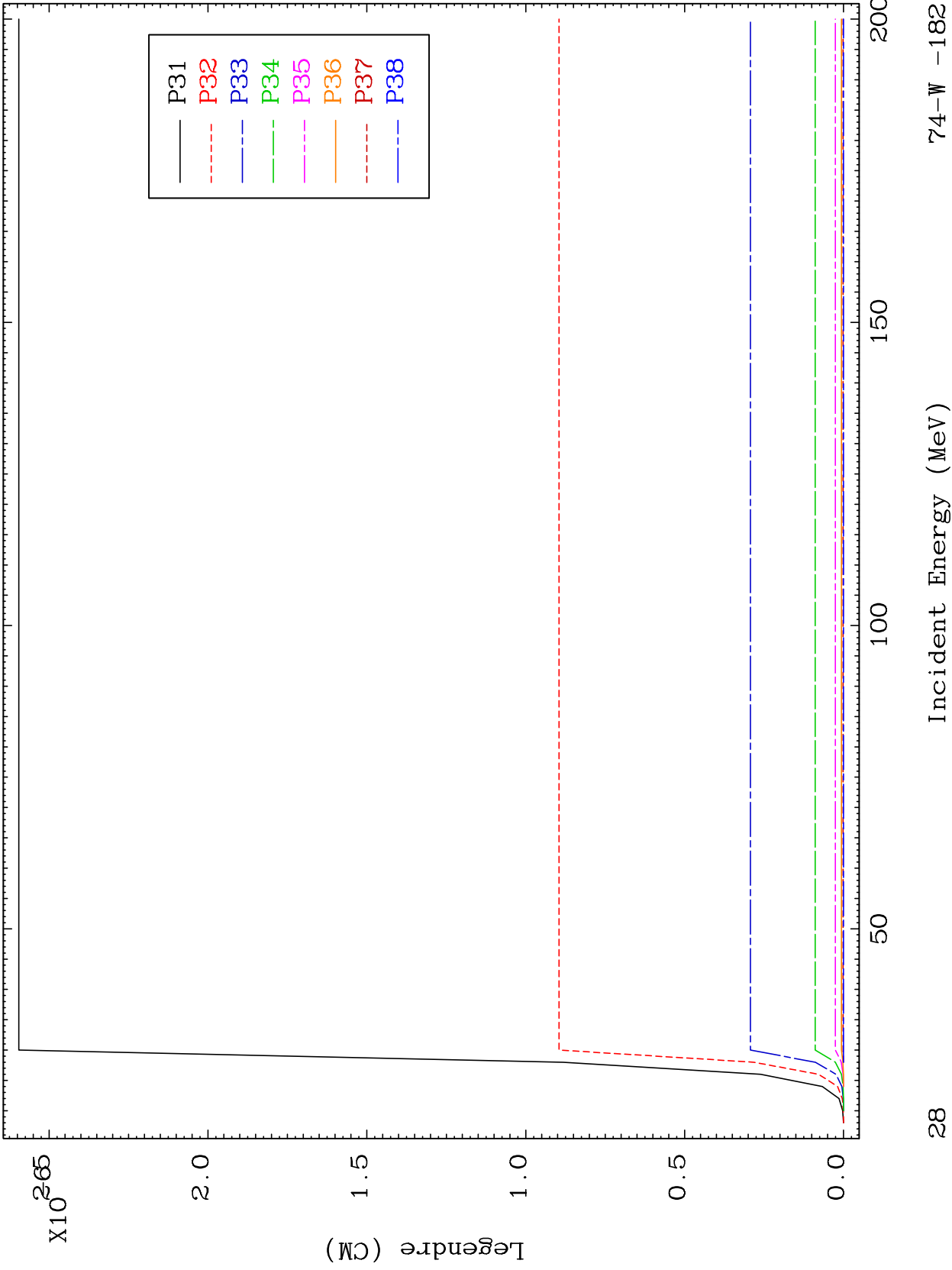


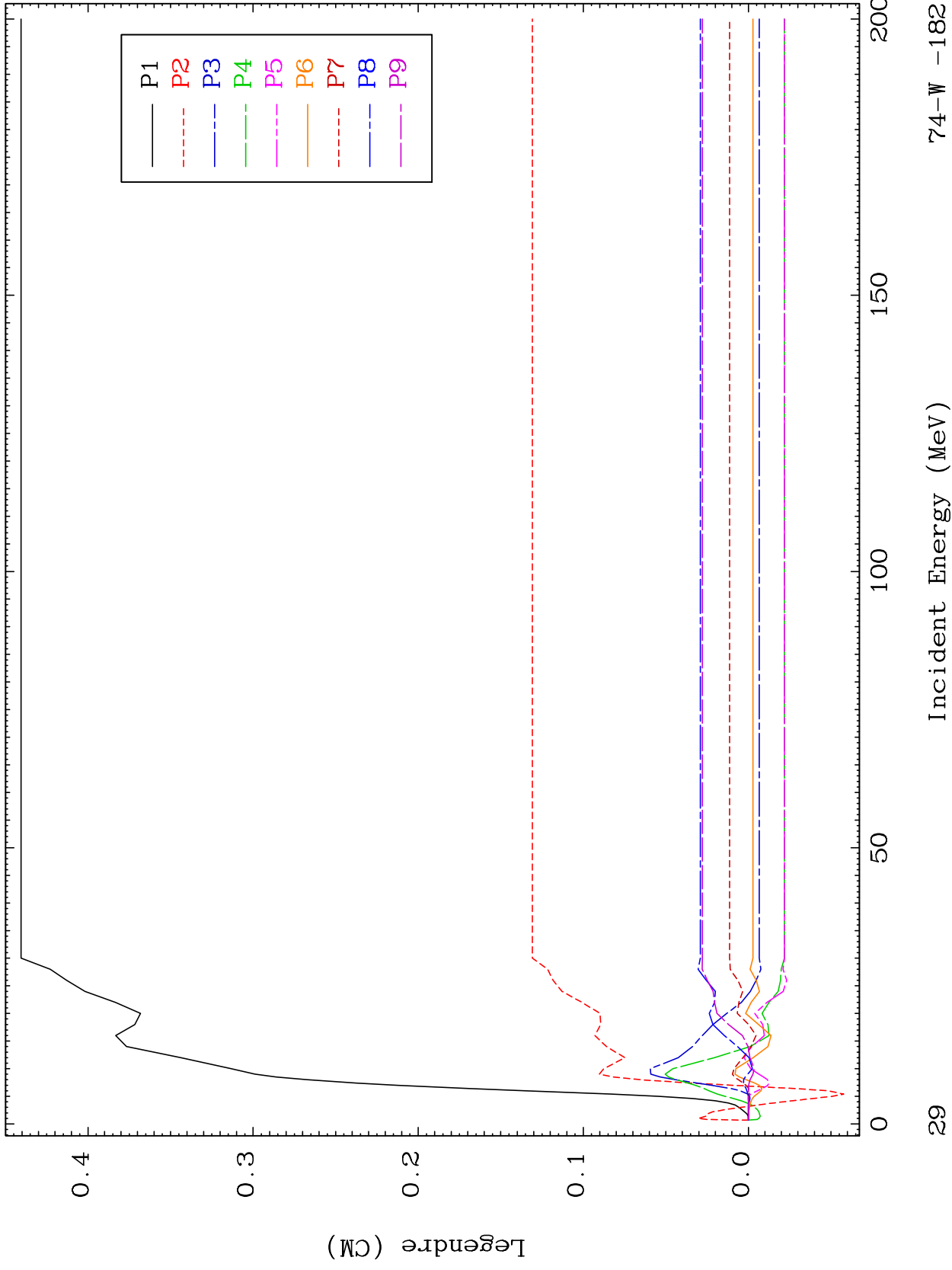
26

Incident Energy (MeV)

74-W -182



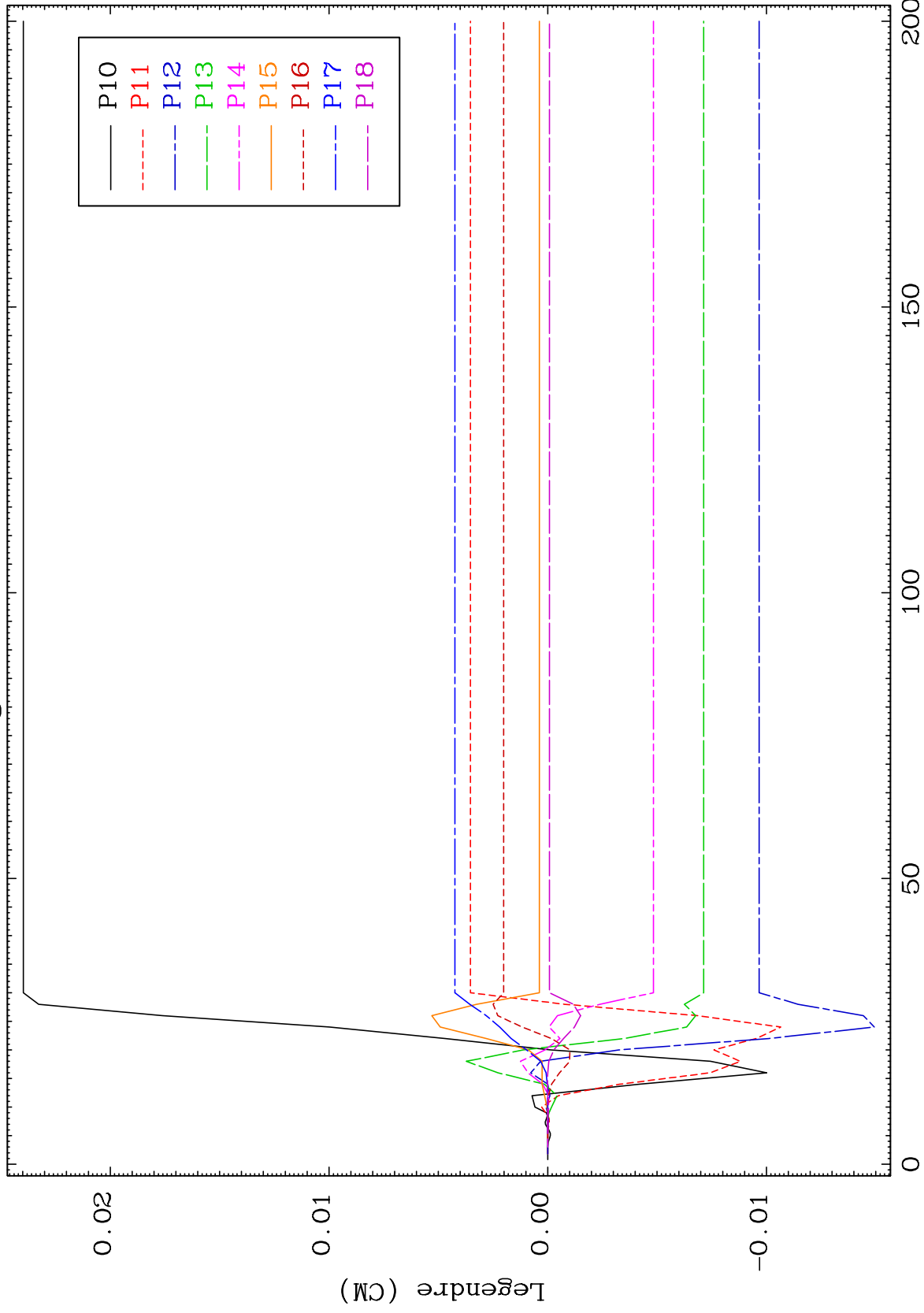




MAT 7431

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

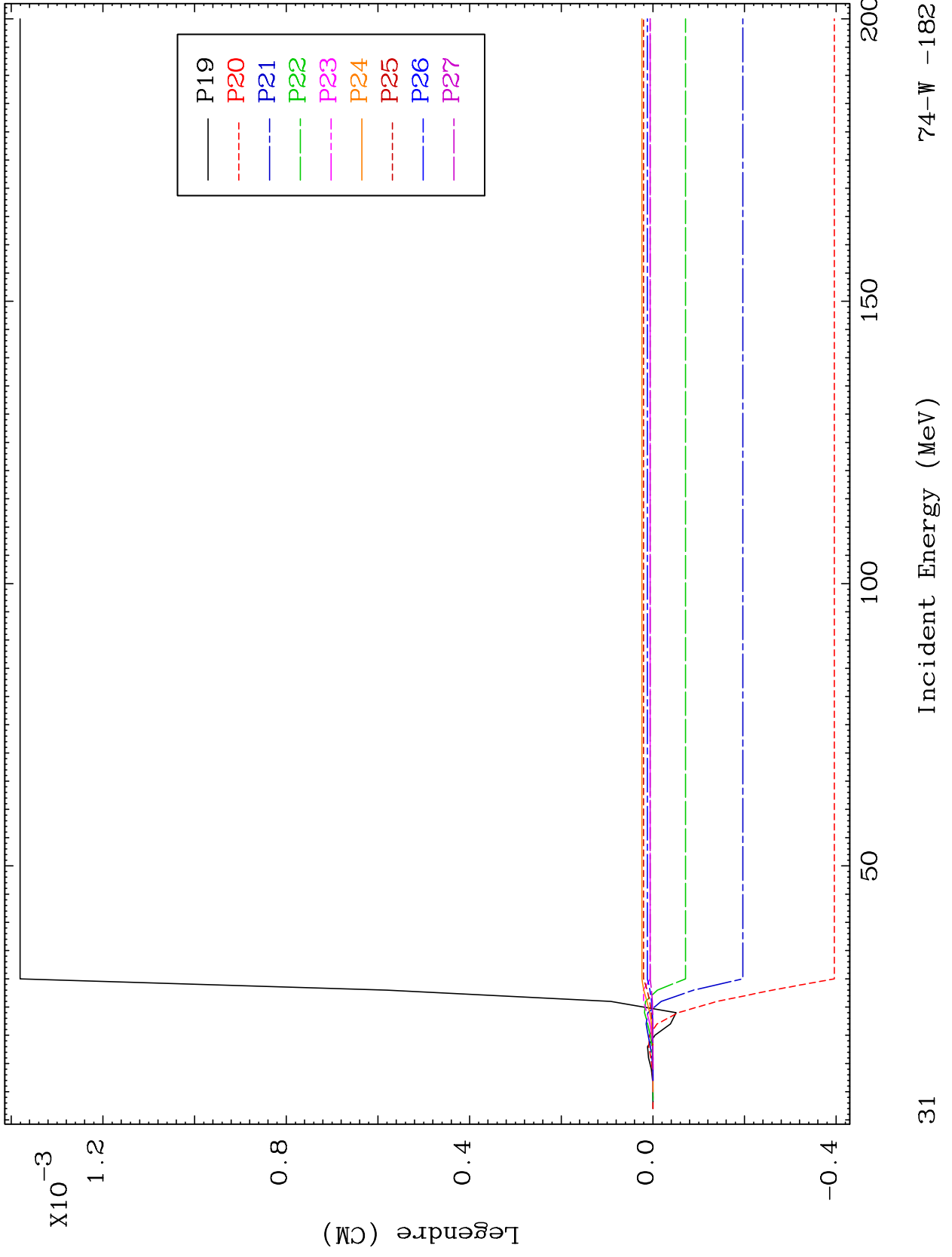
74-W -182



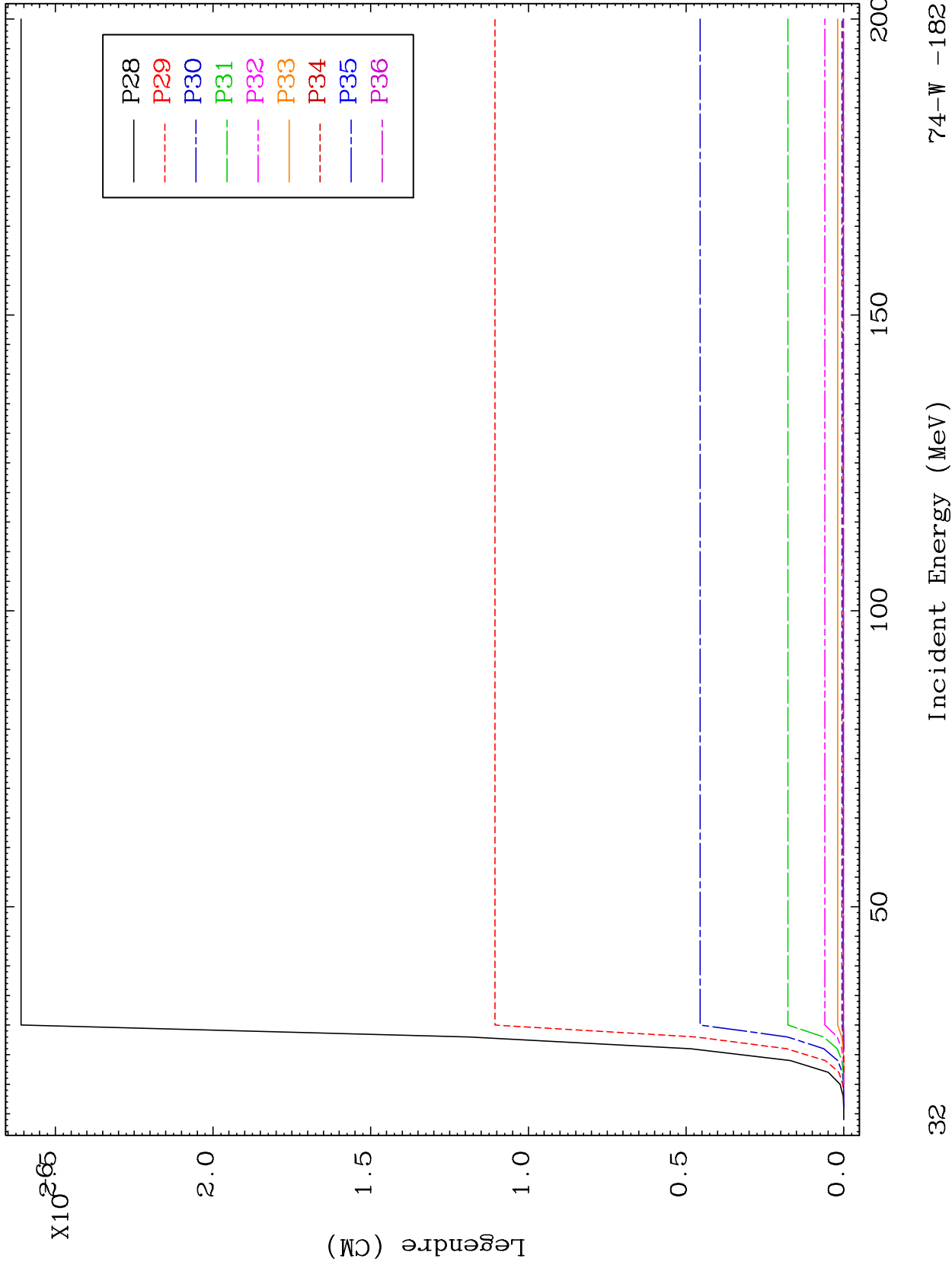
30

Incident Energy (MeV)

74-W -182



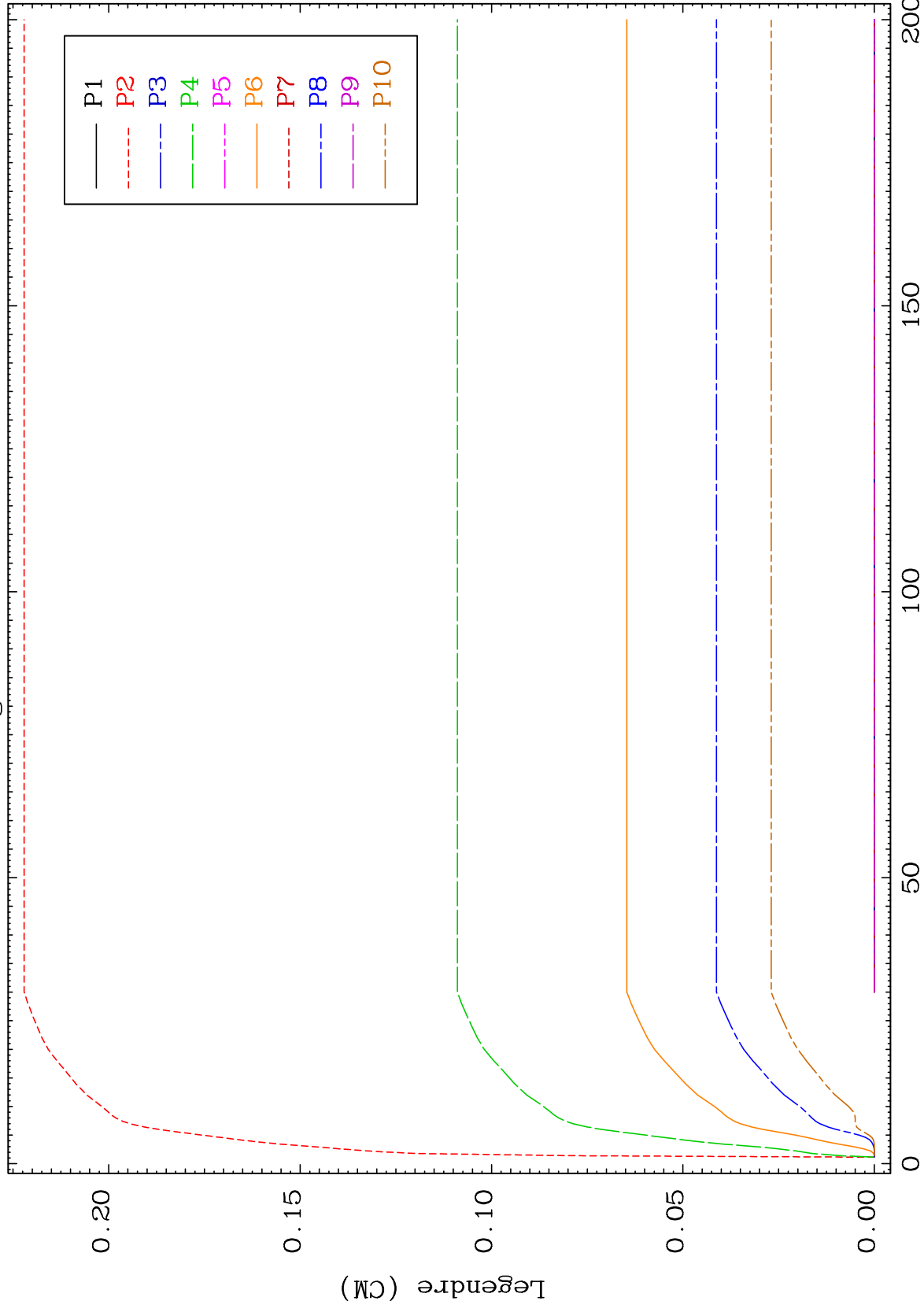




MAT 7431

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

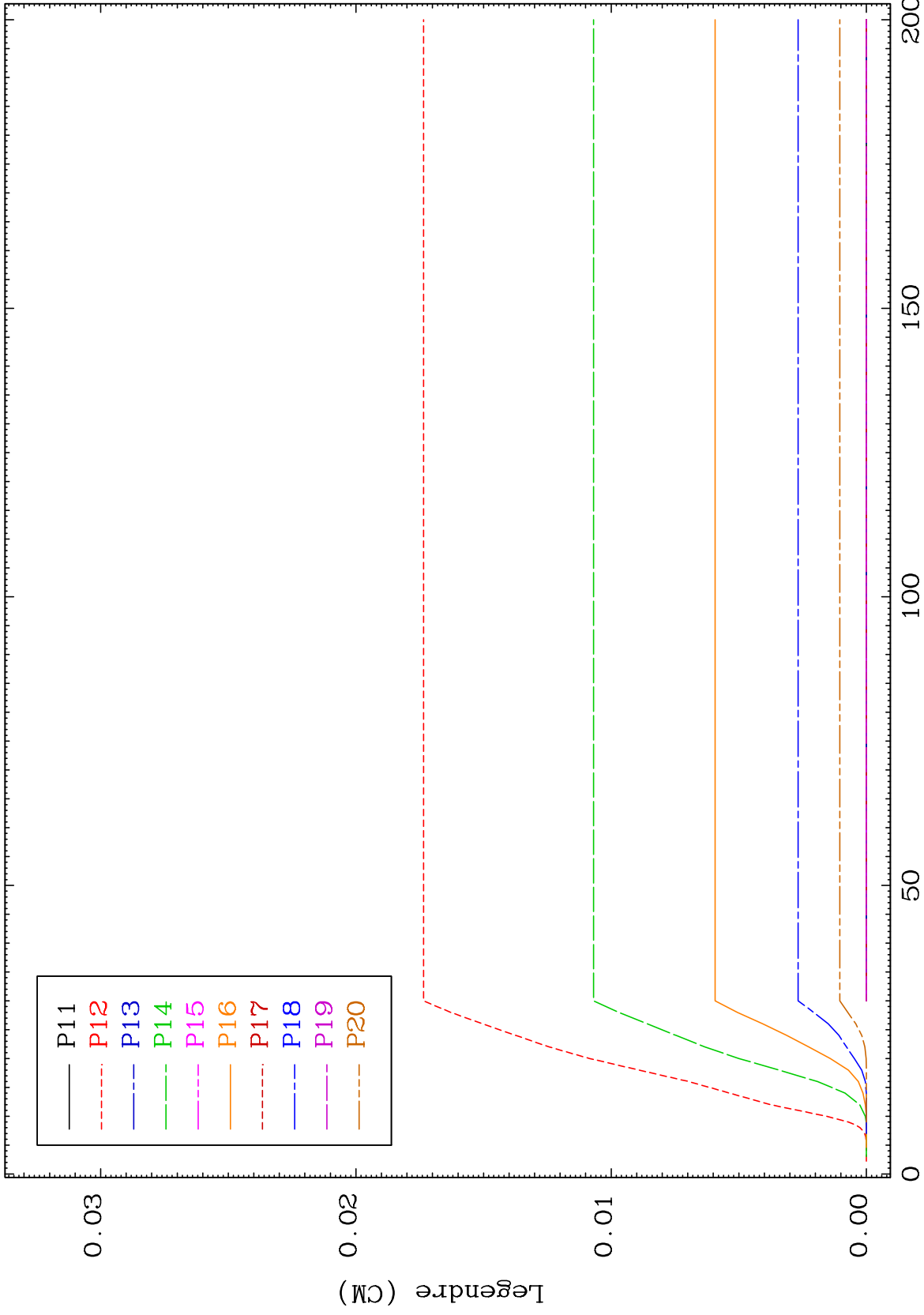
74-W -182



33

Incident Energy (MeV)

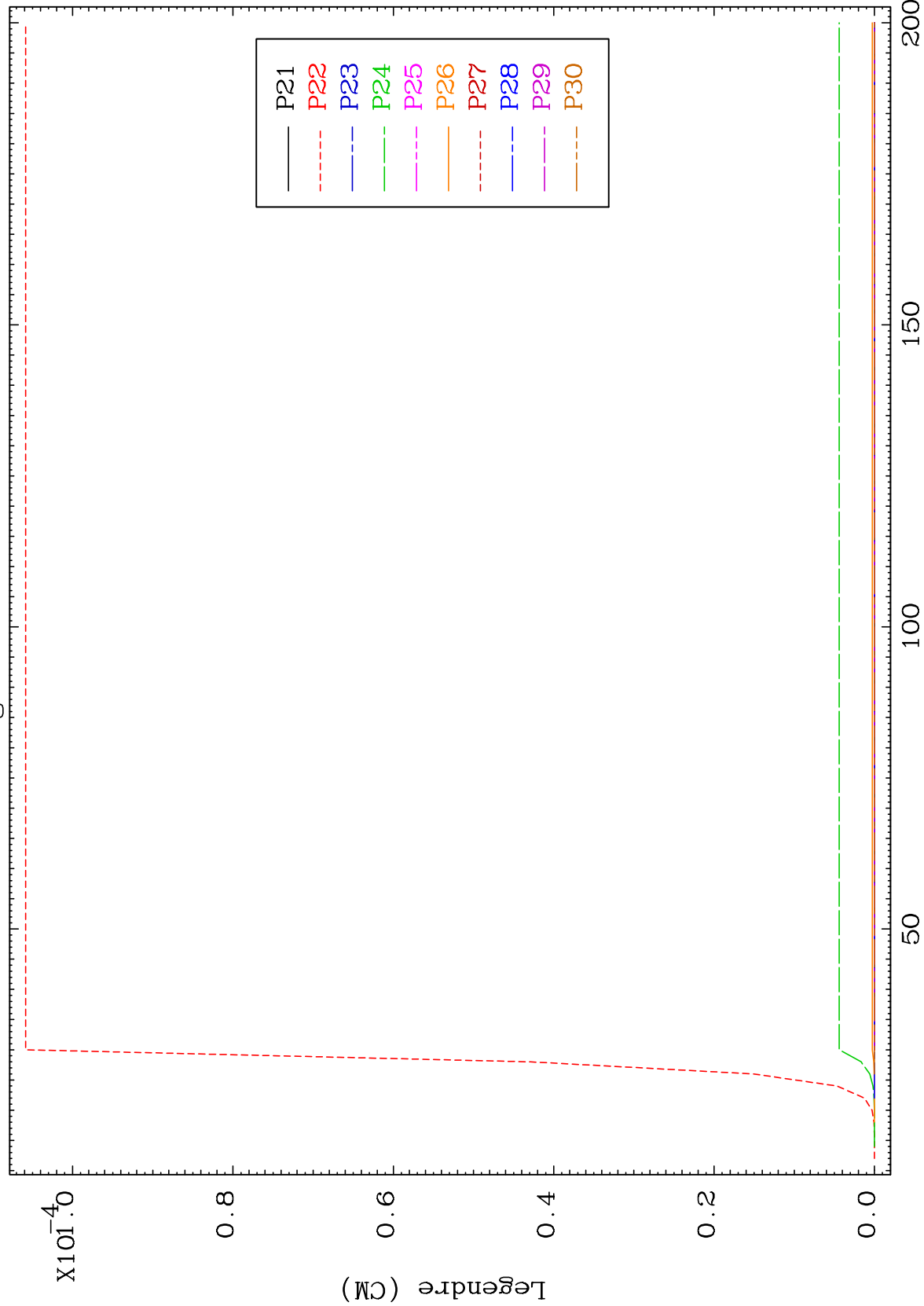
74-W -182



MAT 7431

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

74-W -182



74-W -182

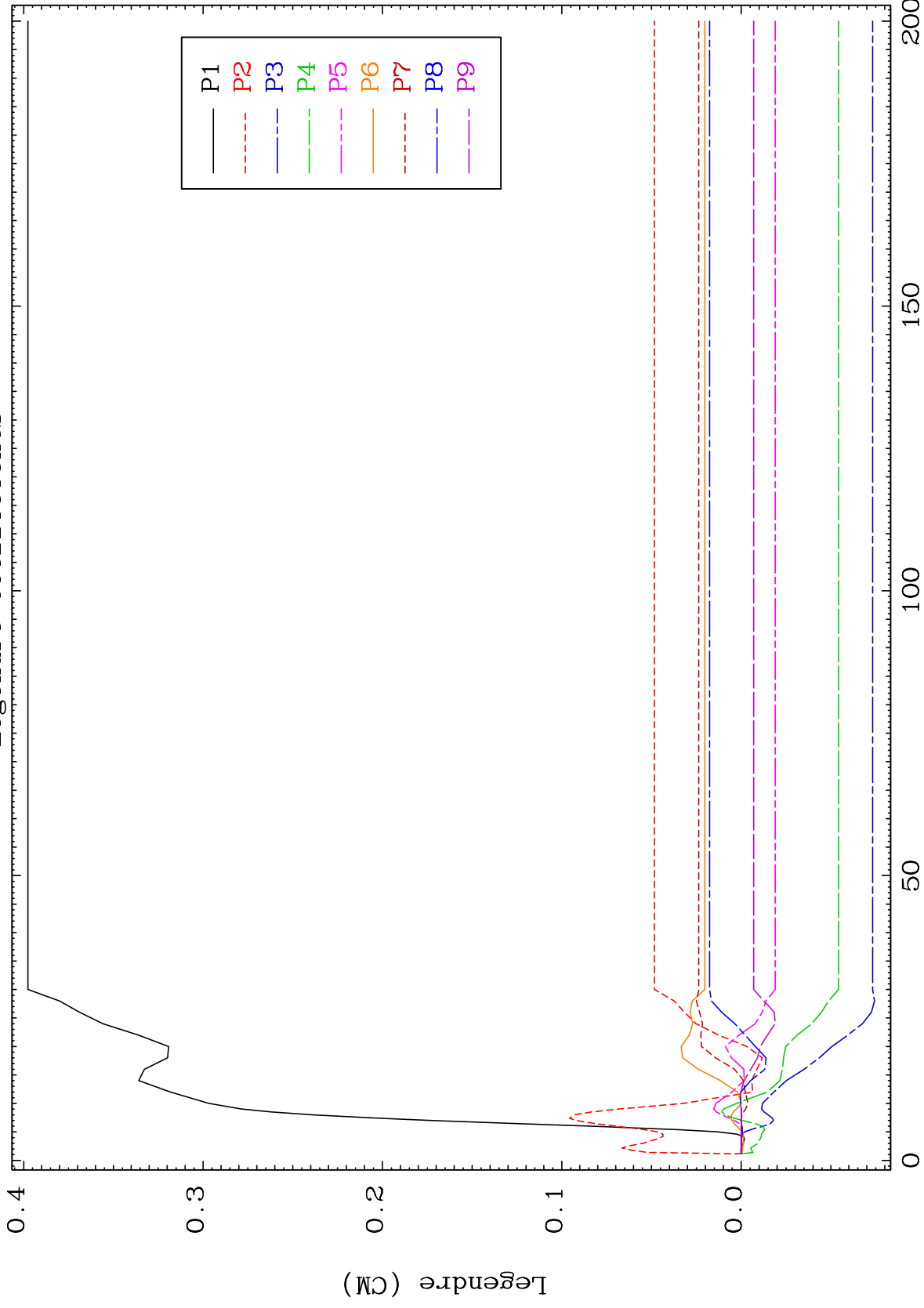
Incident Energy (MeV)

35

MAT 7431

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

74-W -182



36

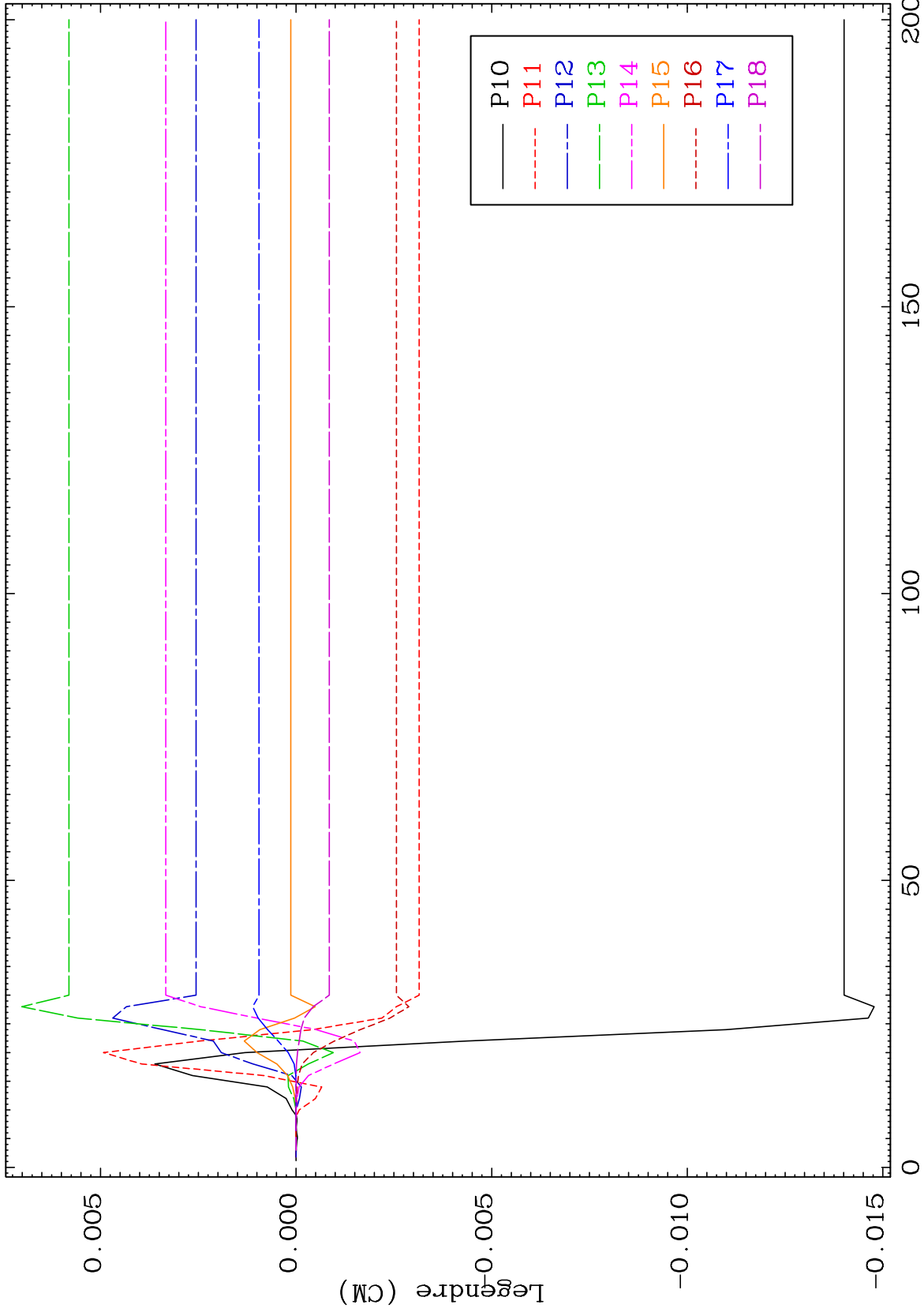
Incident Energy (MeV)

74-W -182

MAT 7431

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

74-W -182



37

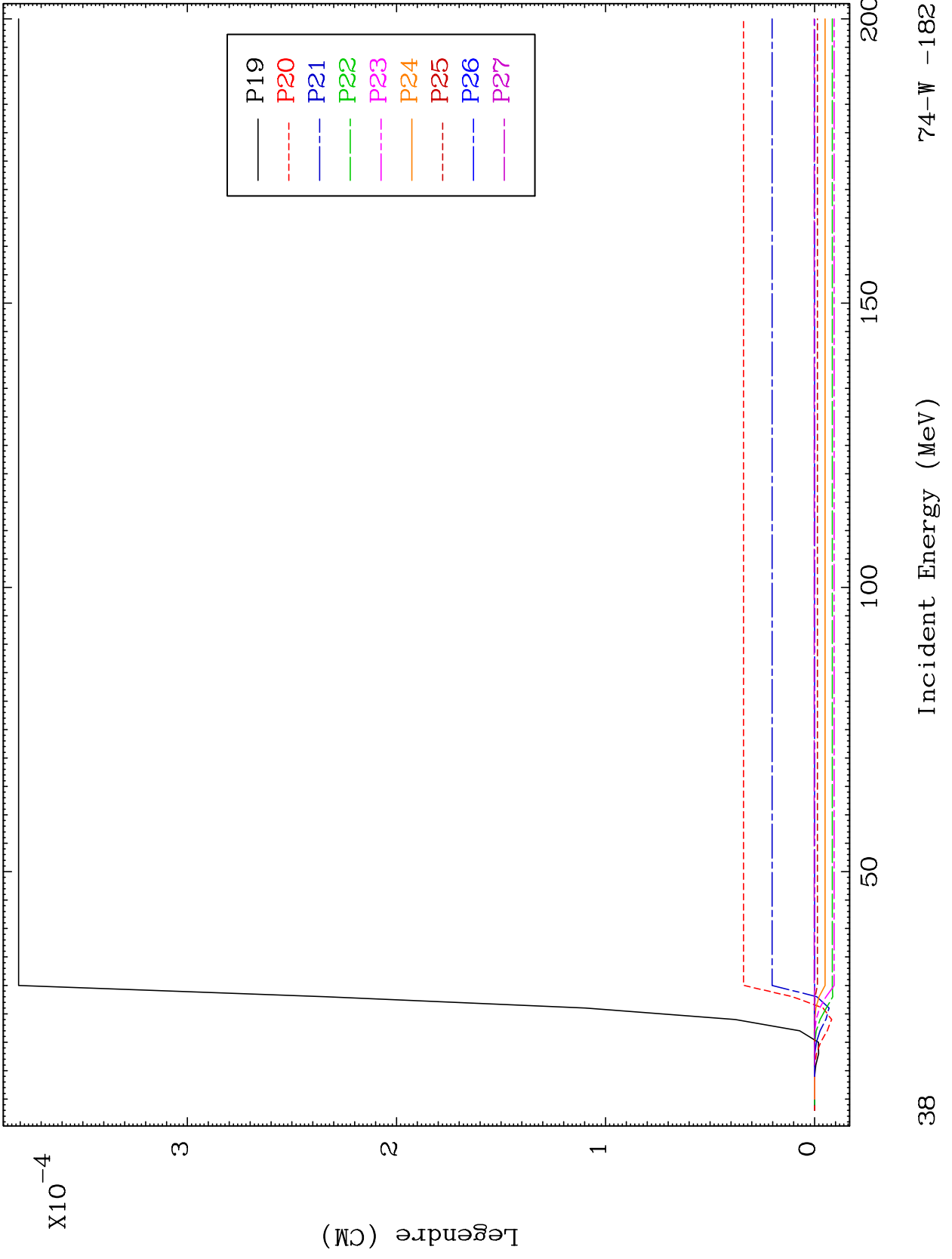
Incident Energy (MeV)

74-W -182

MAT 7431

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

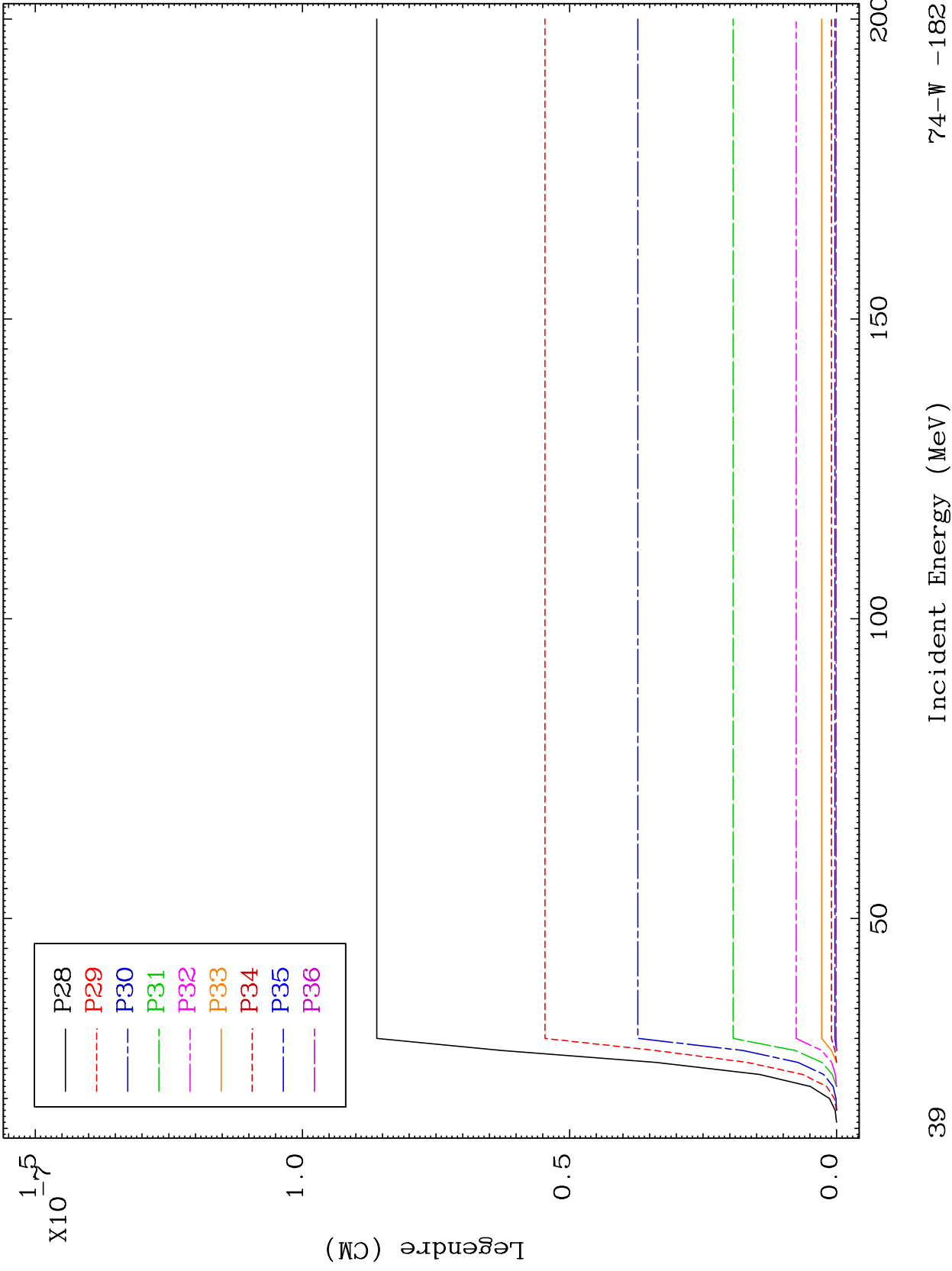
74-W -182



MAT 7431

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

74-W -182

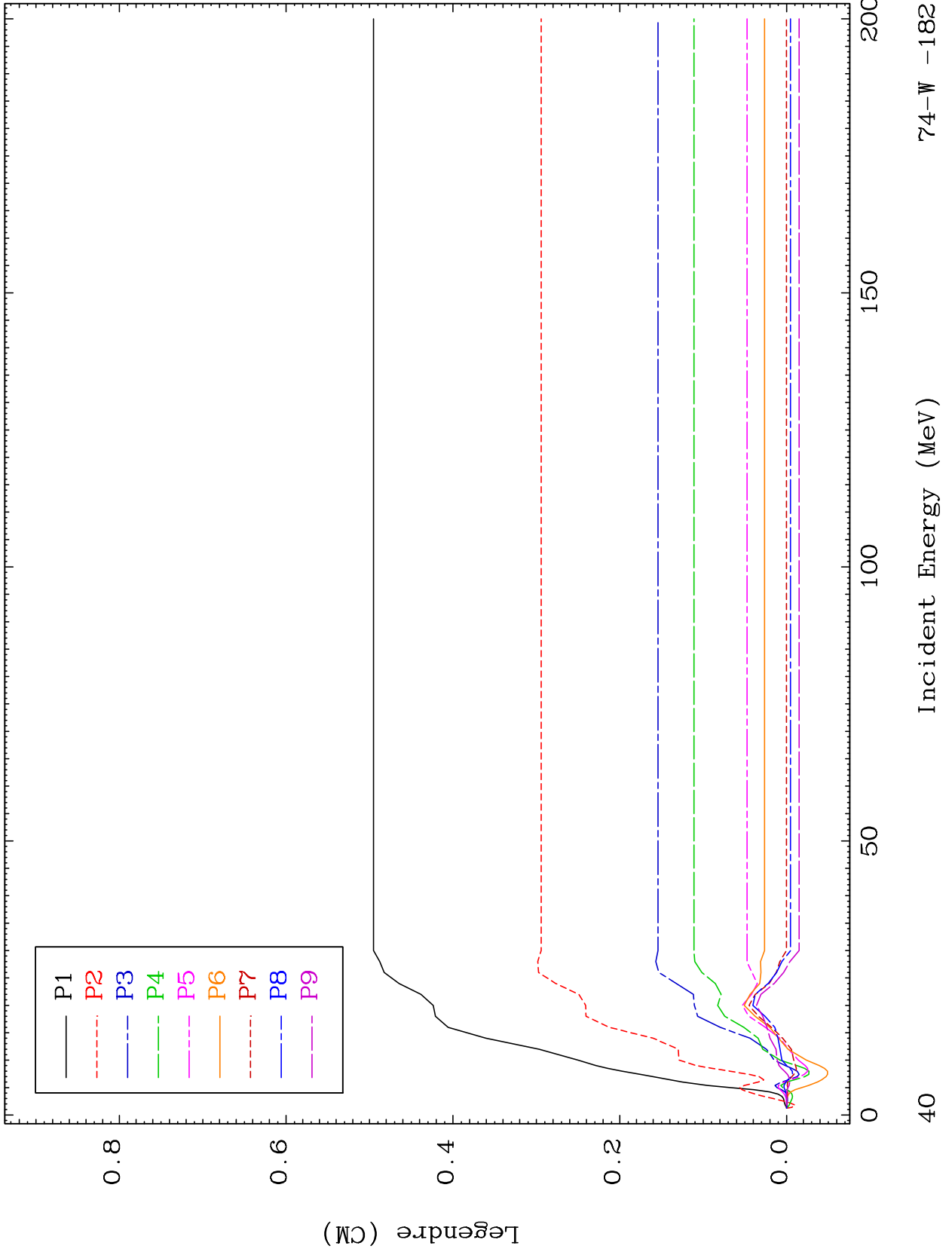




MAT 7431

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

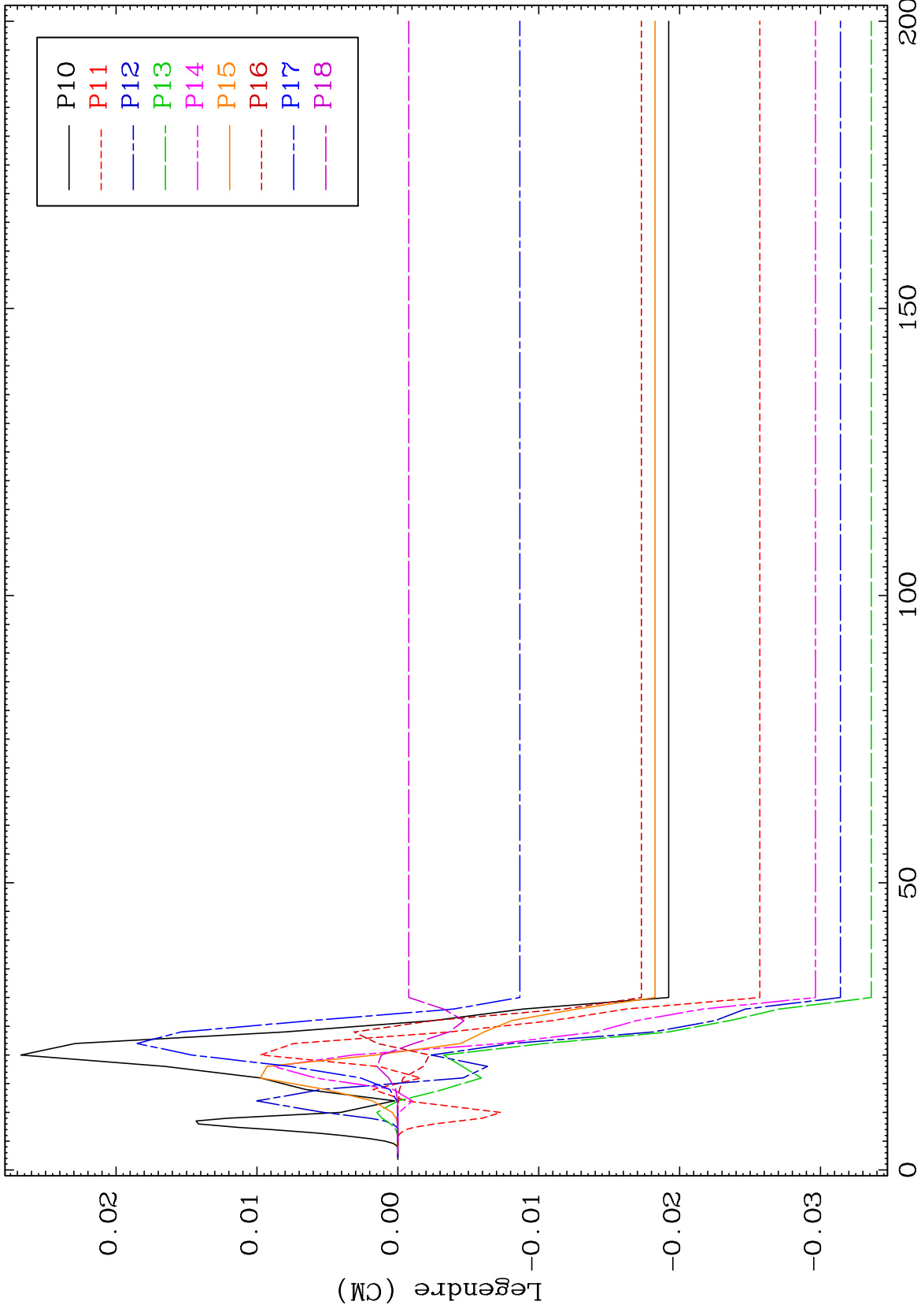
74-W -182



MAT 7431

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

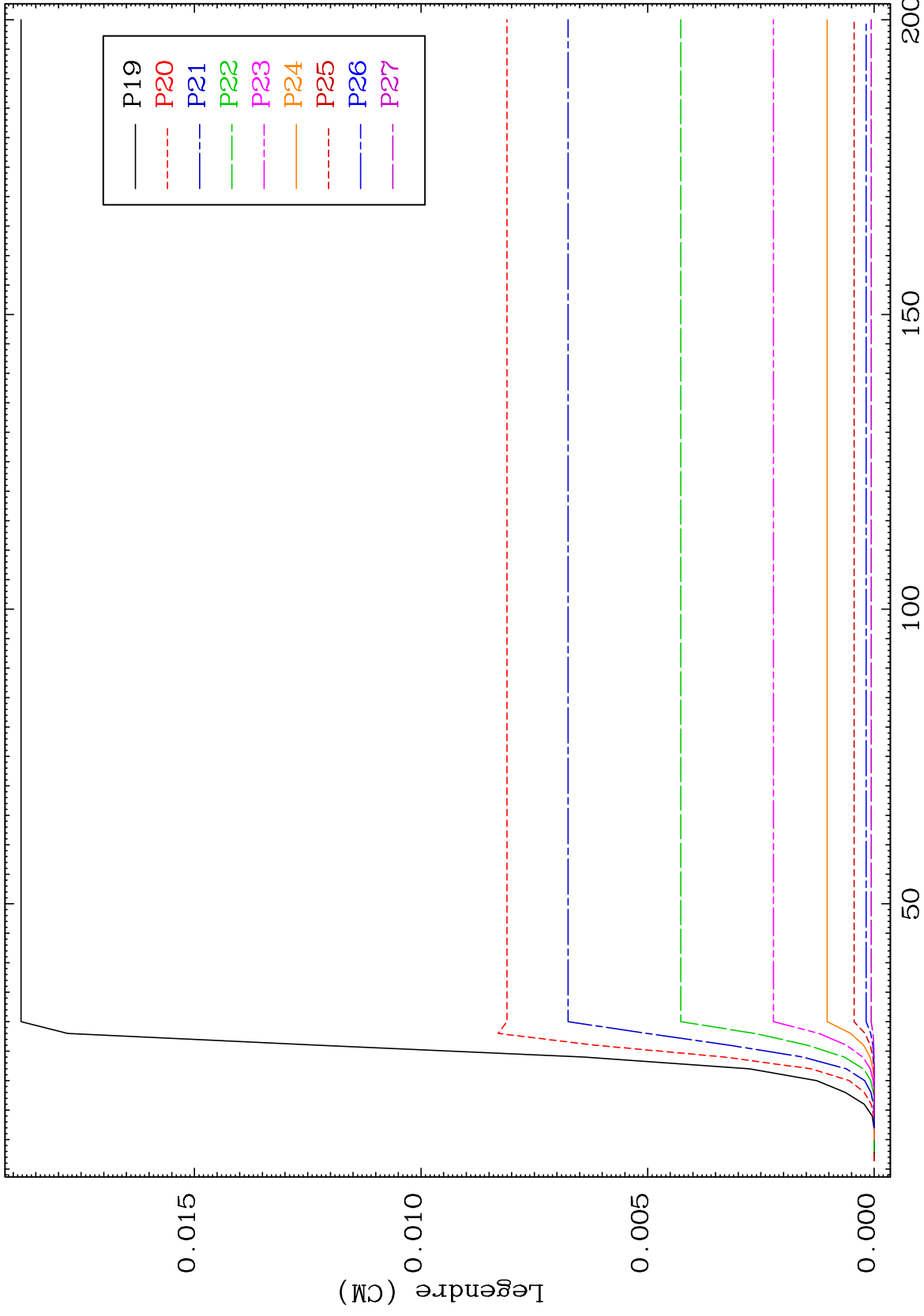
74-W -182

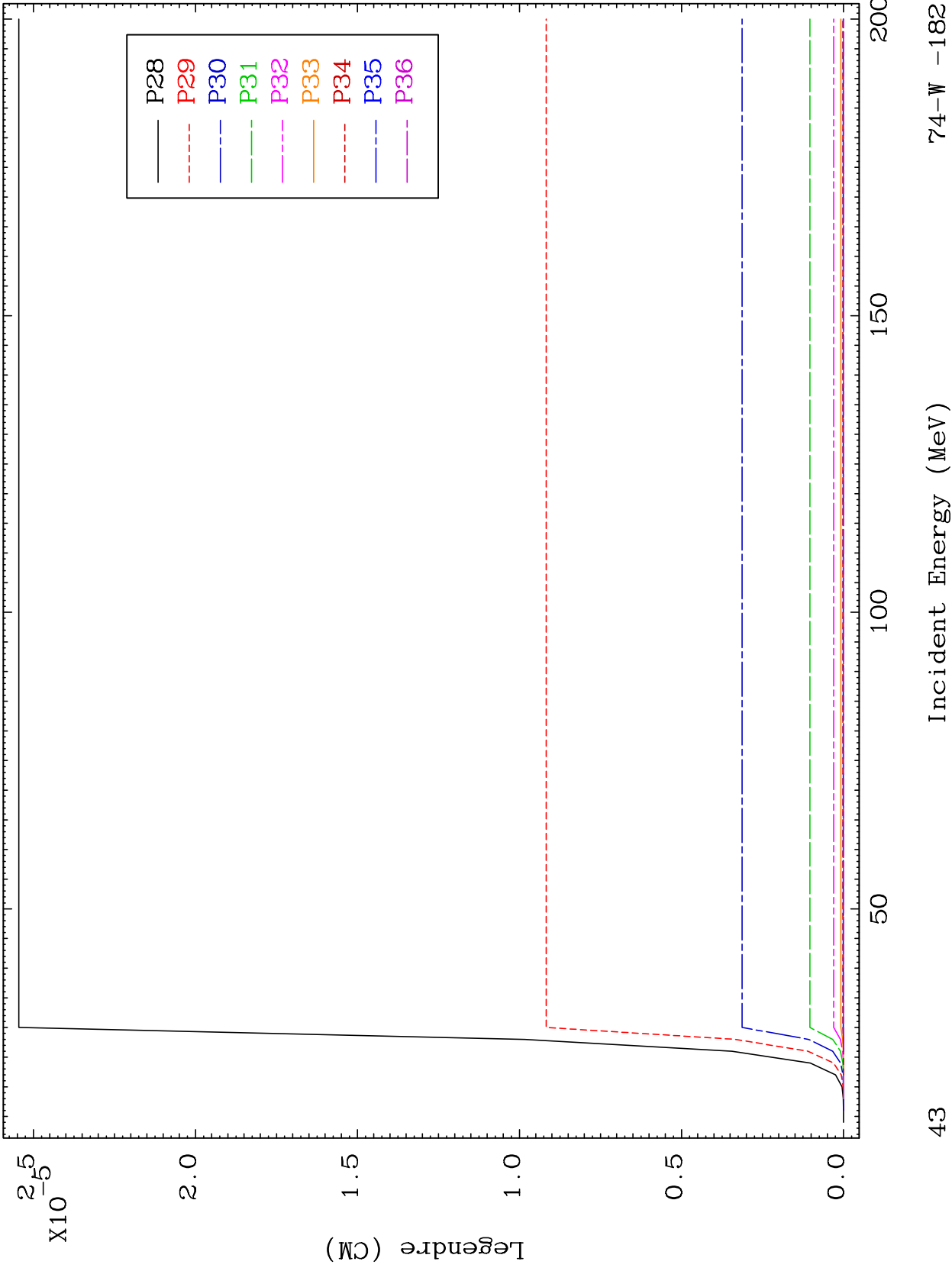


41

Incident Energy (MeV)

74-W -182

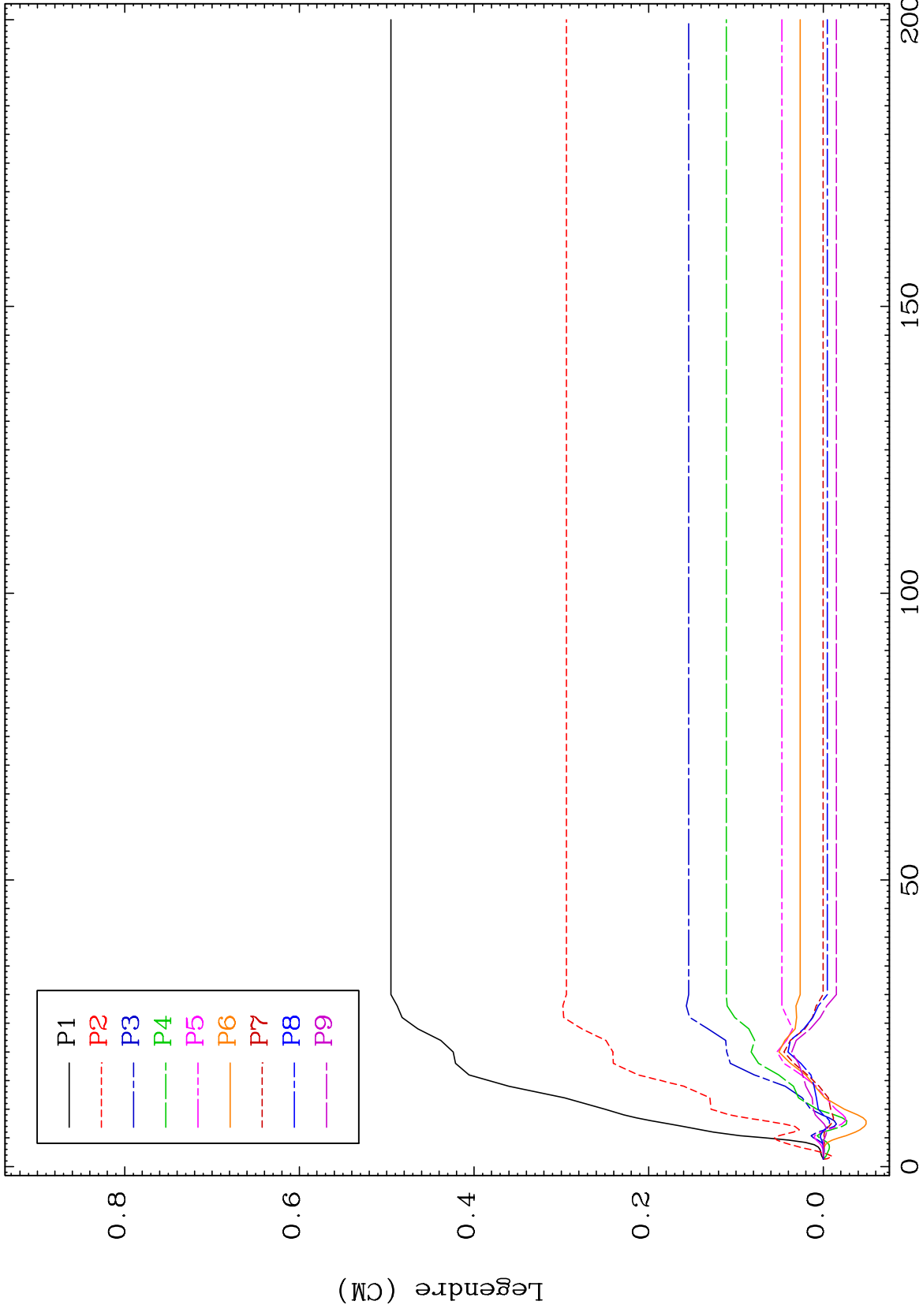




MAT 7431

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

74-W -182



44

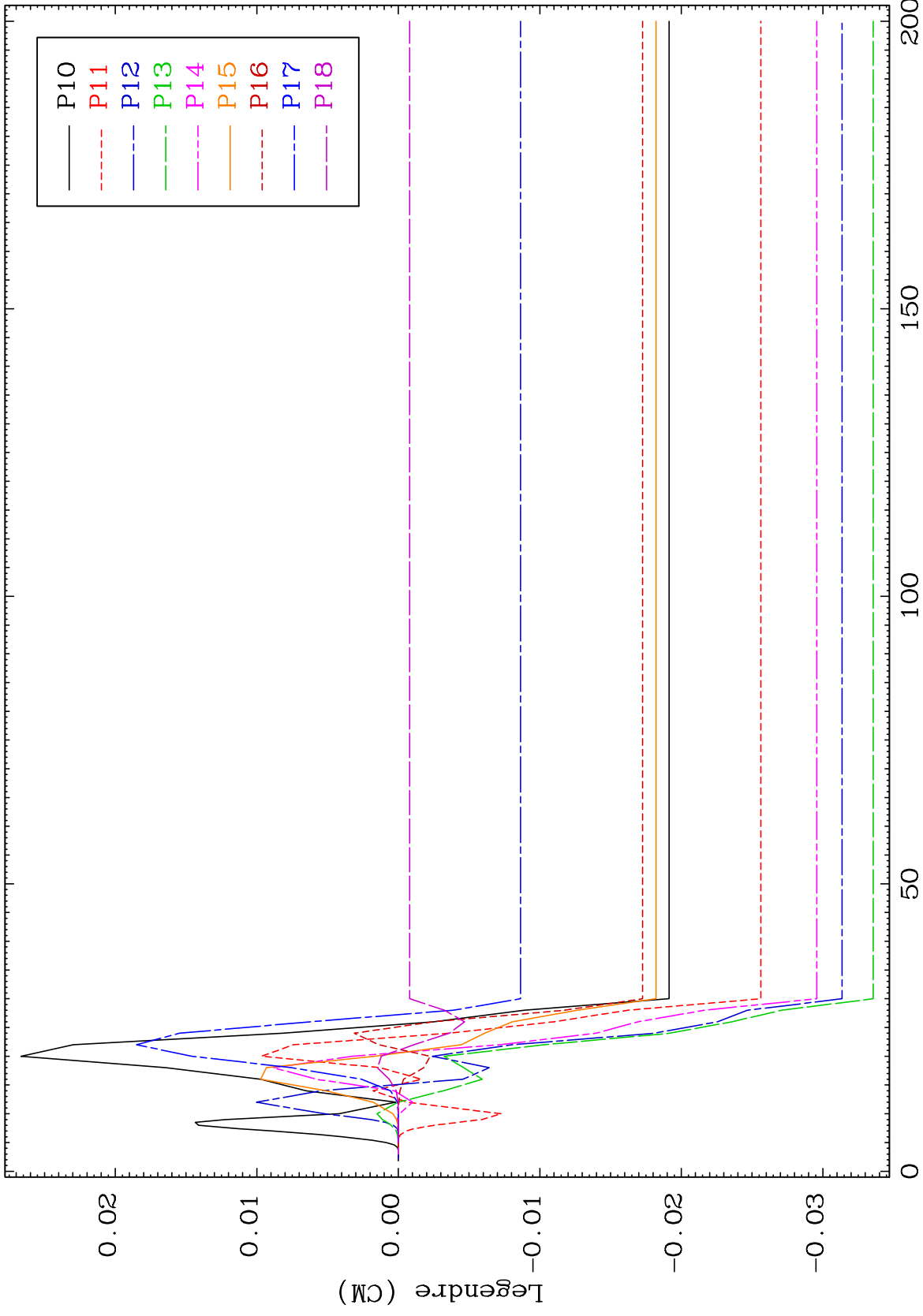
Incident Energy (MeV)

74-W -182

MAT 7431

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

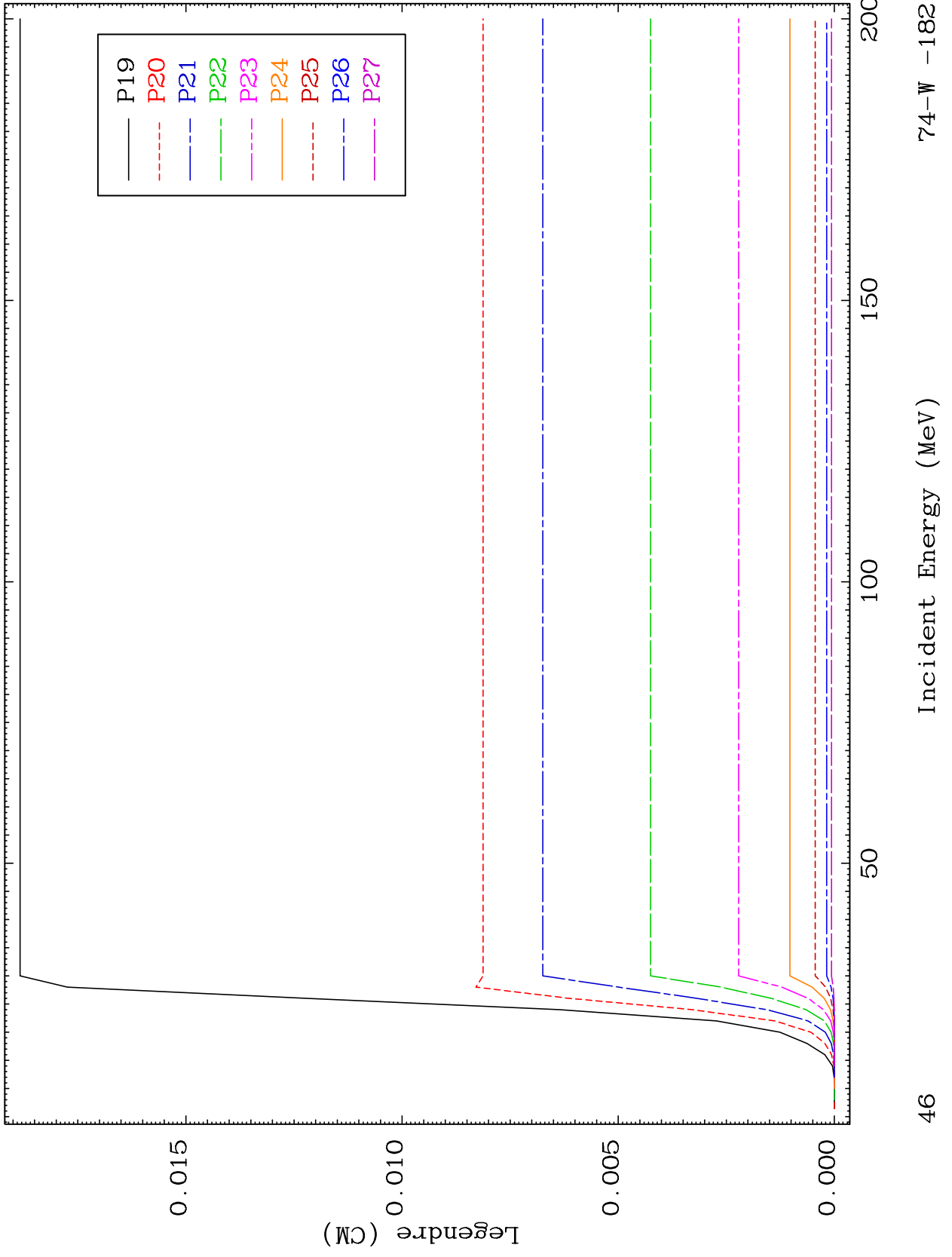
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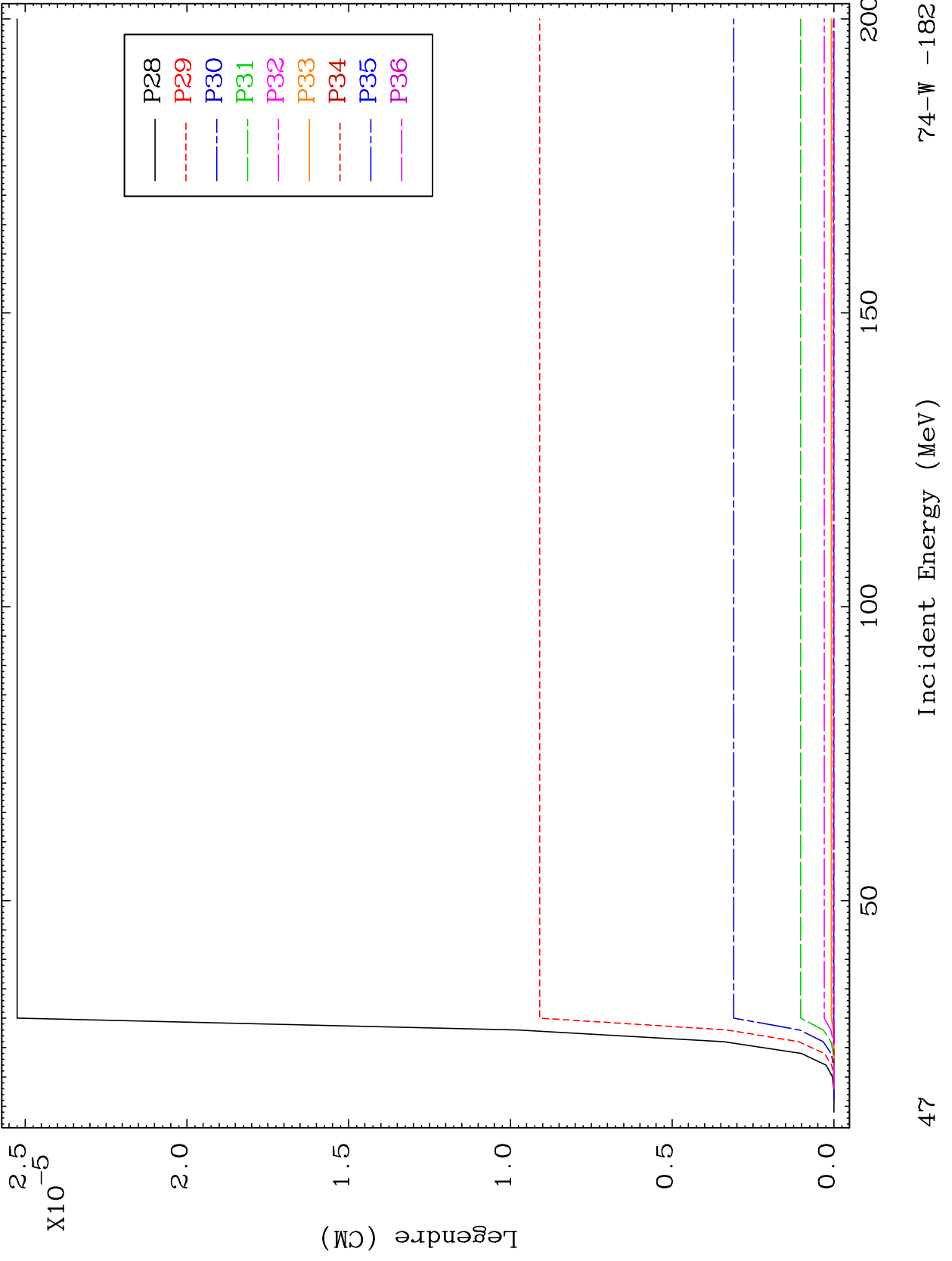


45

Incident Energy (MeV)

74-W -182



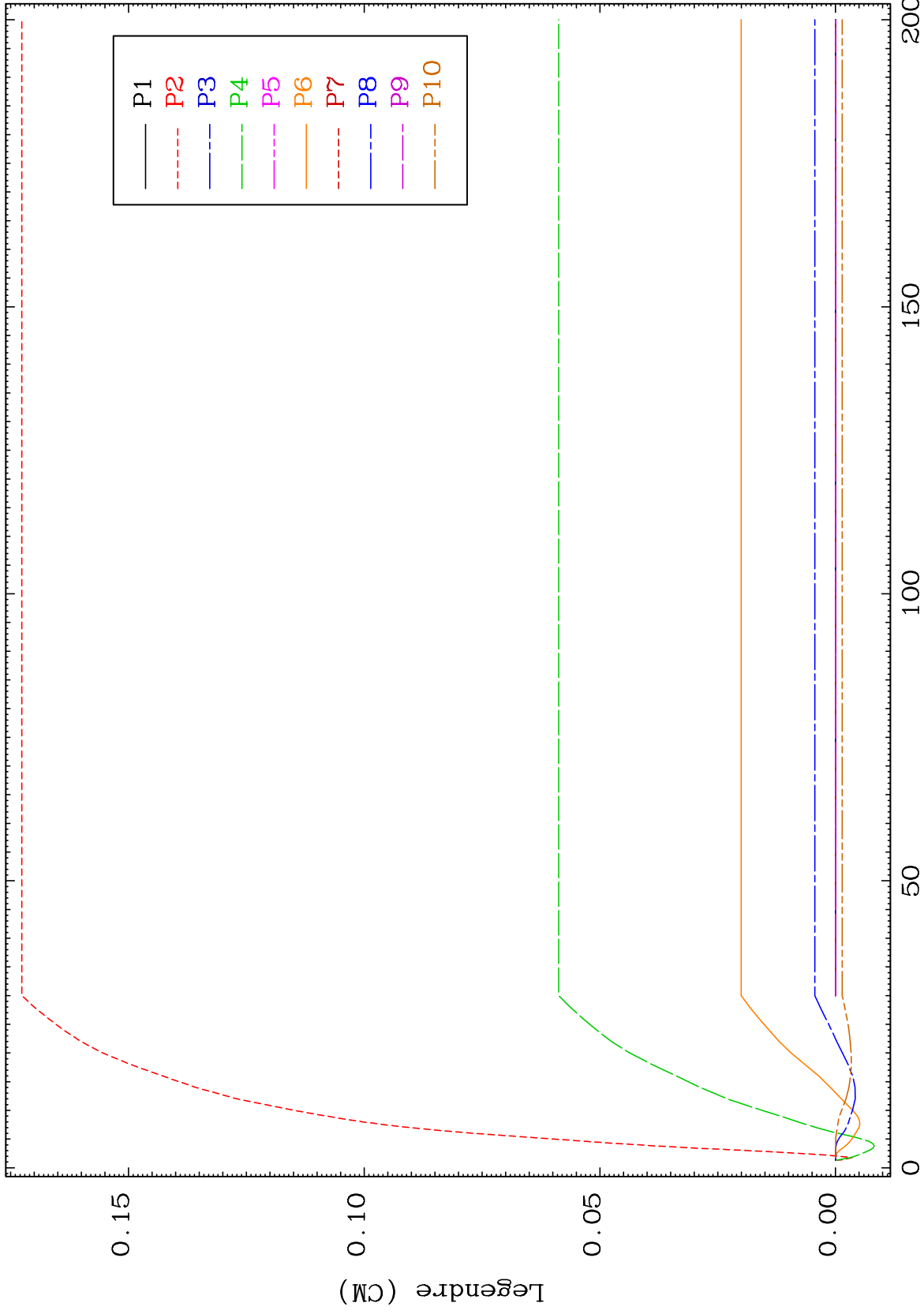




MAT 7431

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

74-W -182



48

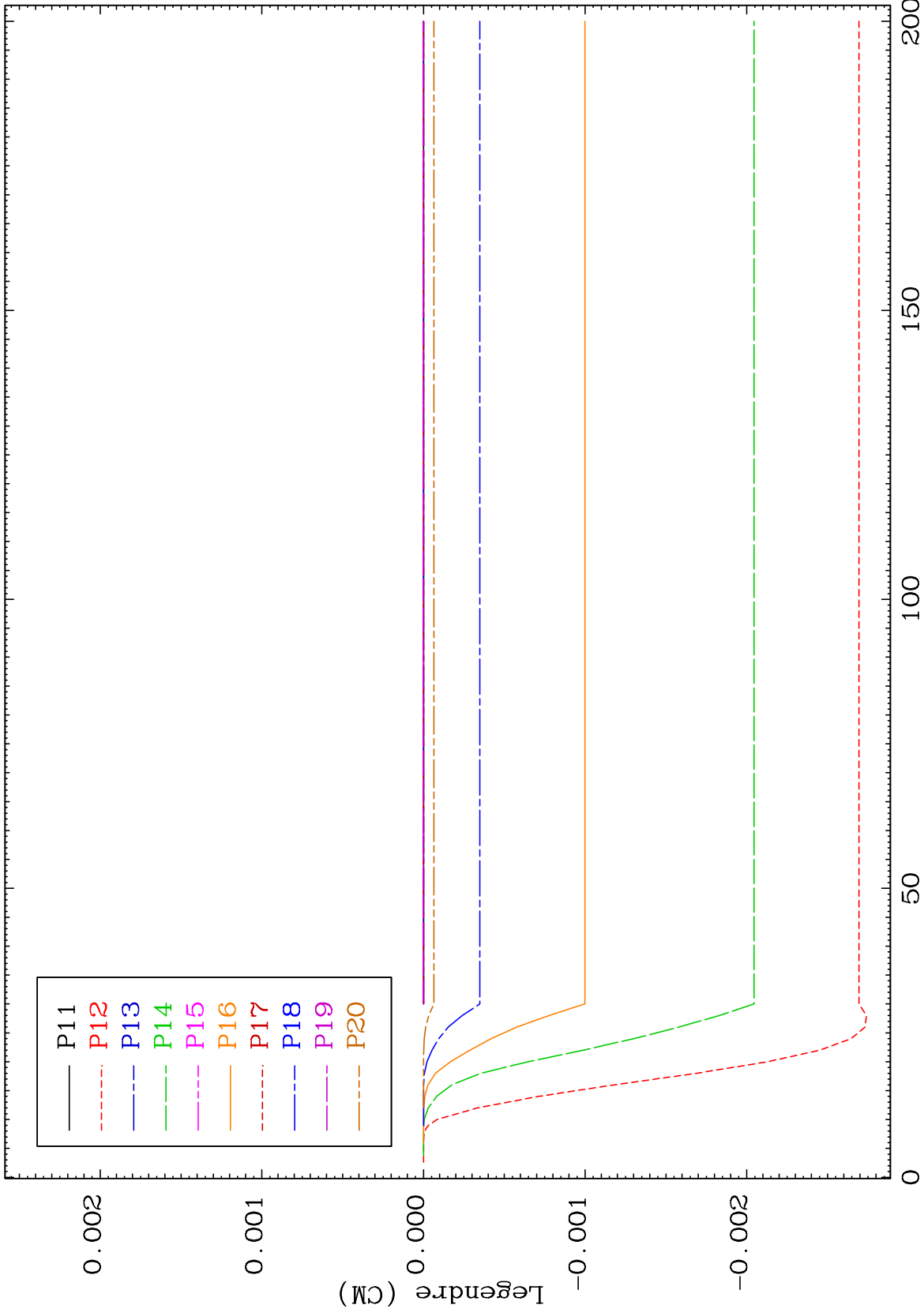
Incident Energy (MeV)

74-W -182

MAT 7431

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

74-W -182



49

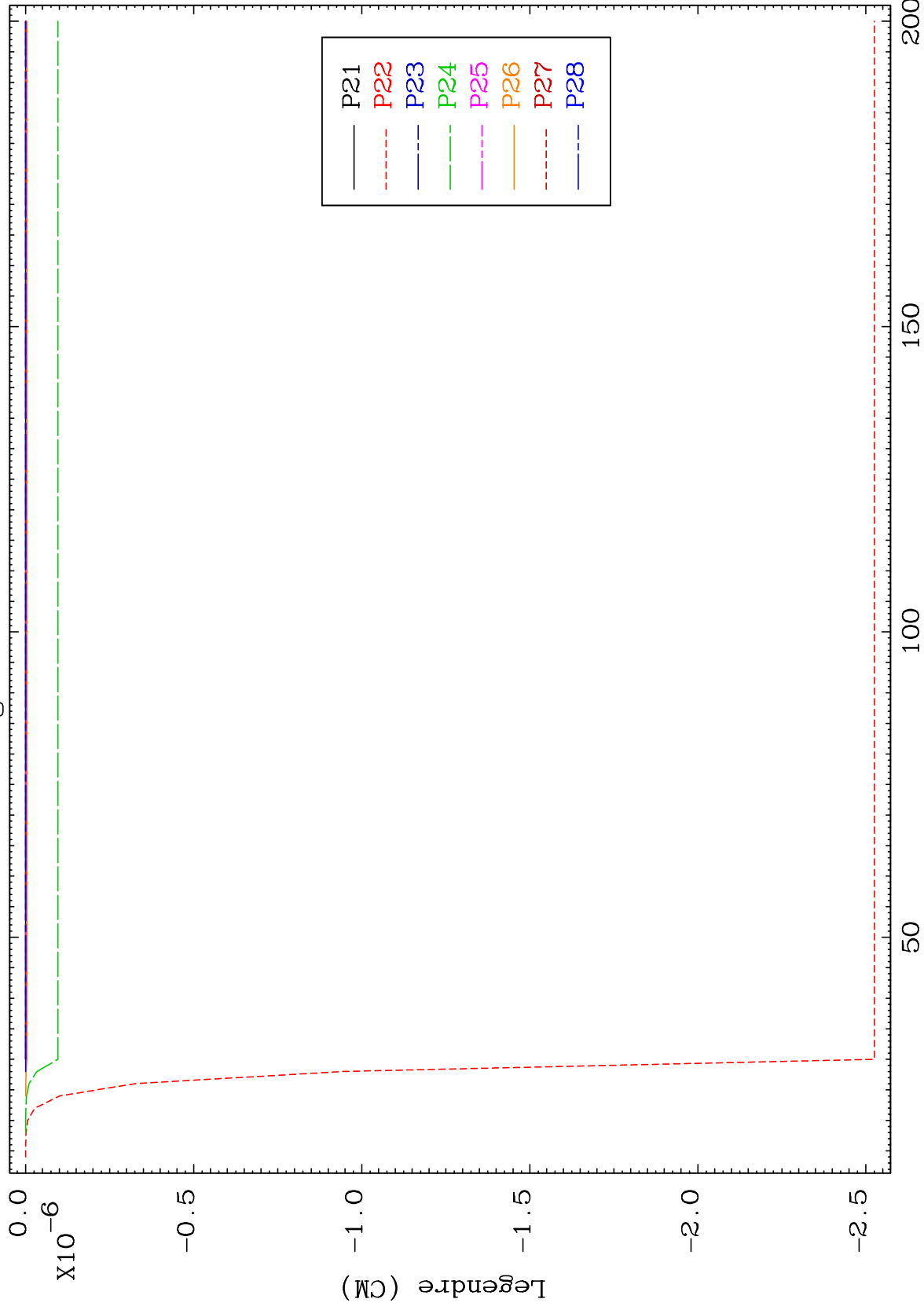
Incident Energy (MeV)

74-W -182

MAT 7431

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

74-W -182



50

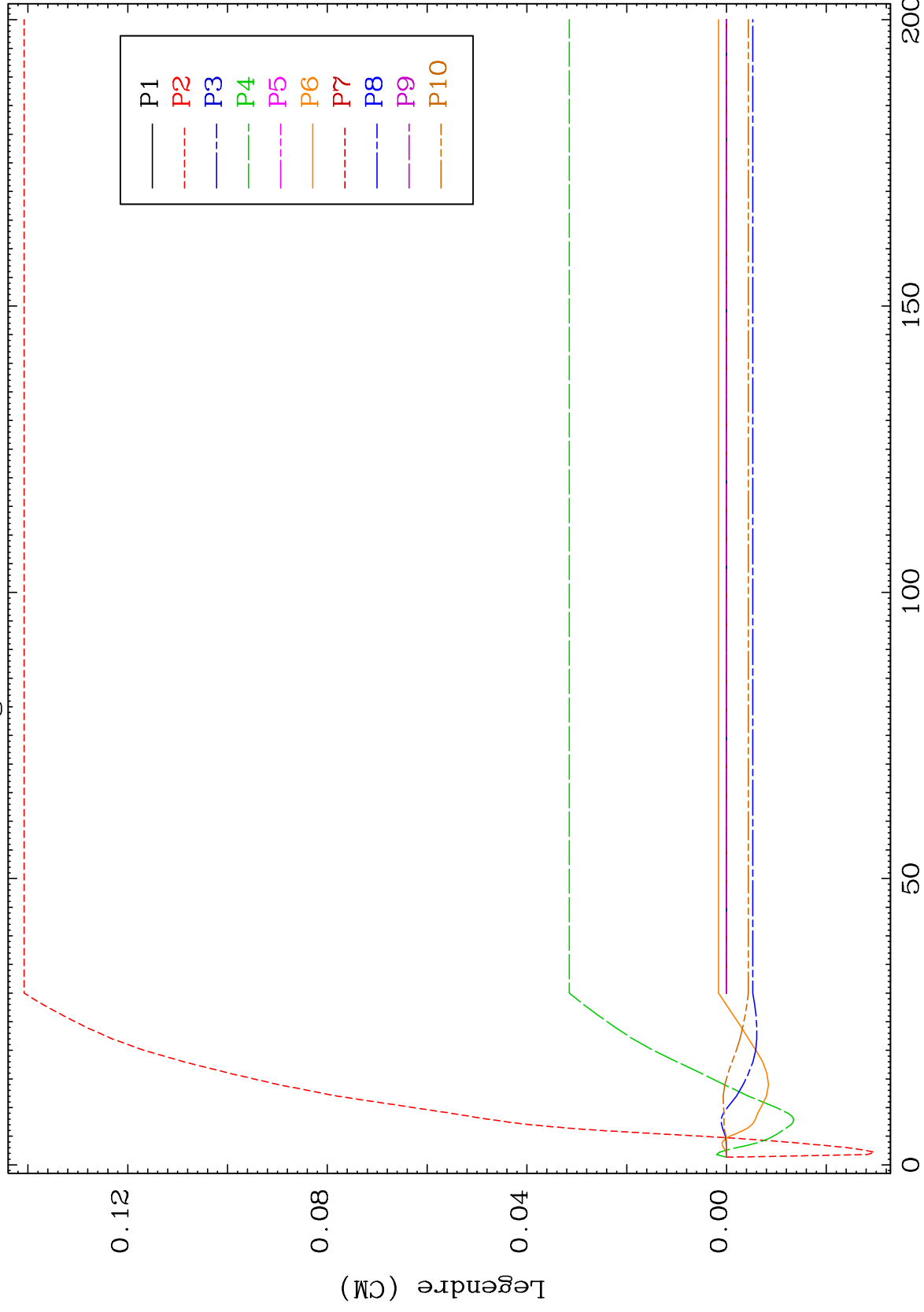
Incident Energy (MeV)

74-W -182

MAT 7431

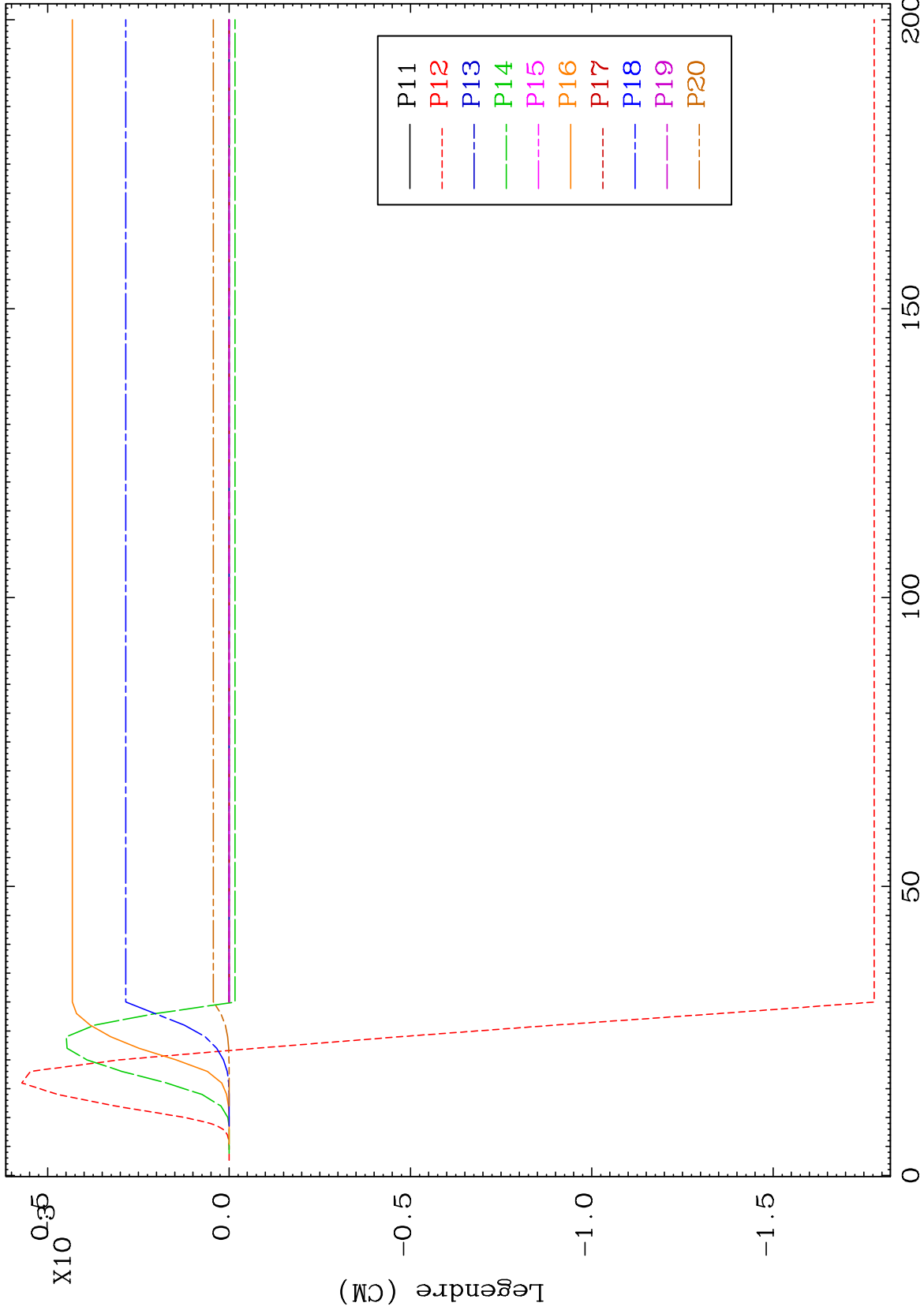
MT= 59 (n,n') Level  
Legendre Coefficients

74-W -182



51

74-W -182



MAT 7431

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

74-W -182

$\times 10^{-6}$

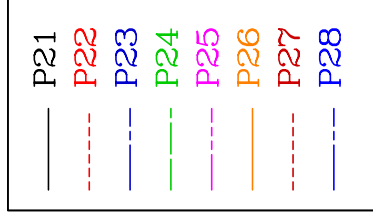
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Legendre (CM)

1.0

0.5

0.0



50

100

150

200

53

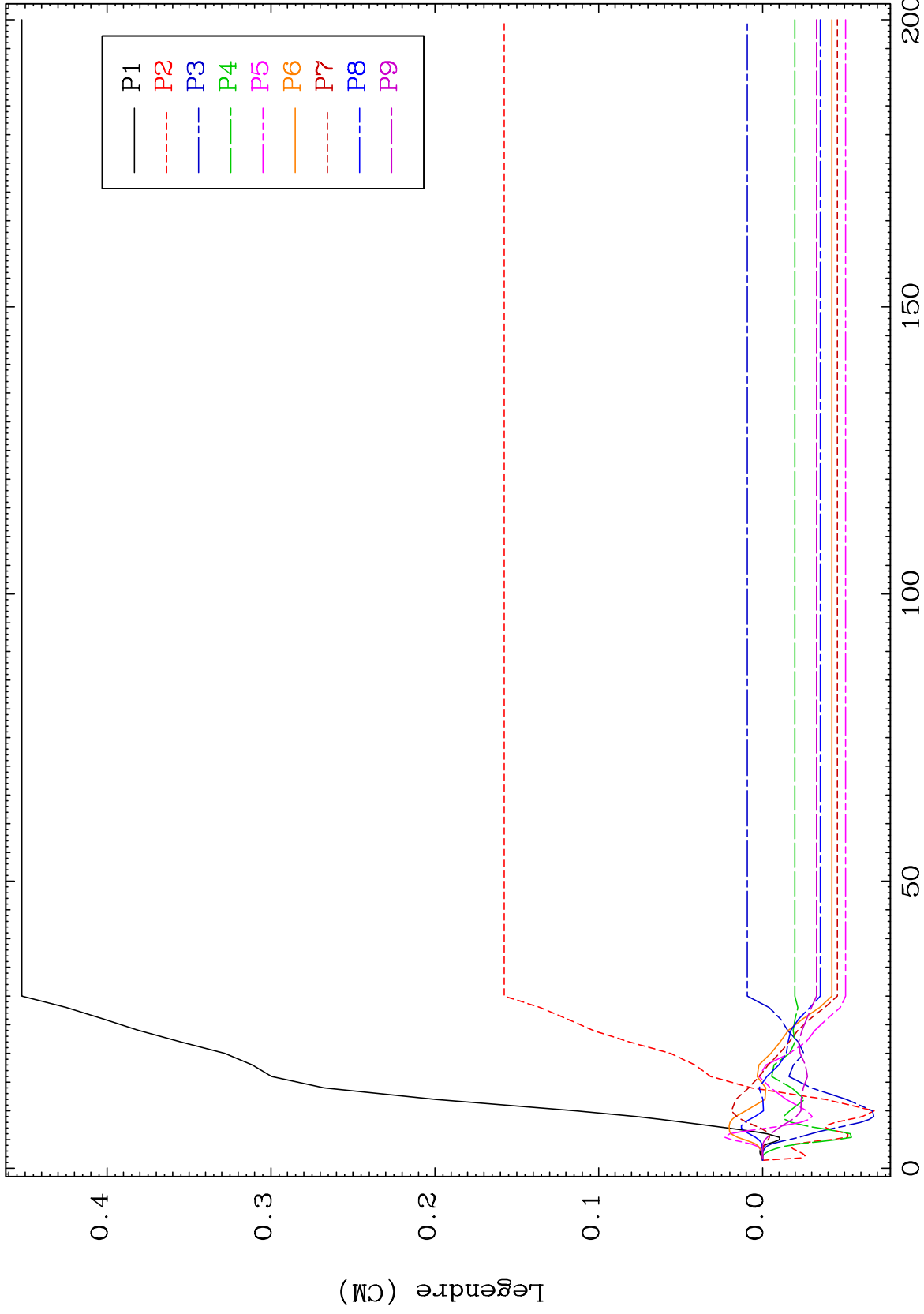
Incident Energy (MeV)

74-W -182

MAT 7431

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

74-W -182



54

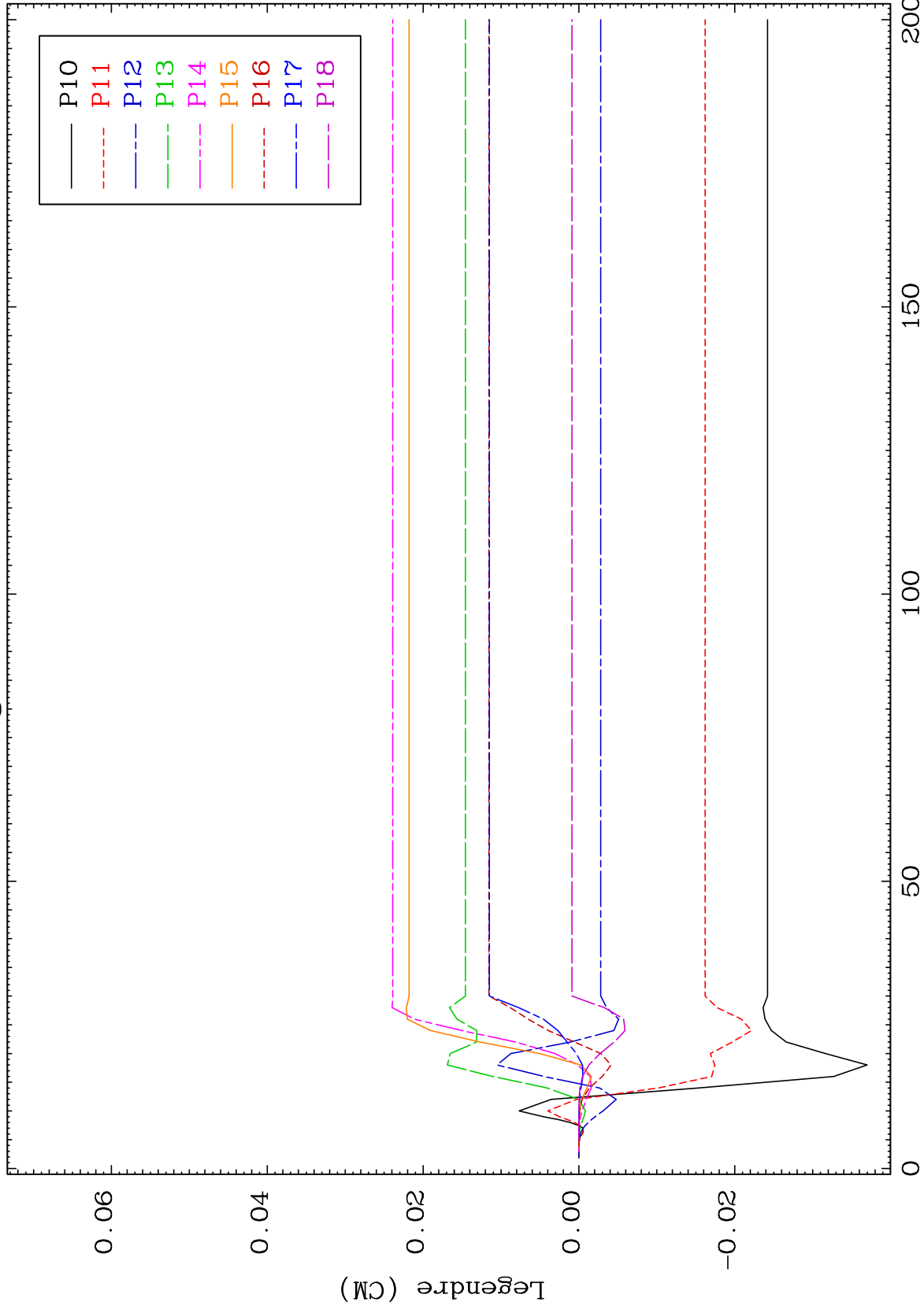
Incident Energy (MeV)

74-W -182

MAT 7431

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

74-W -182

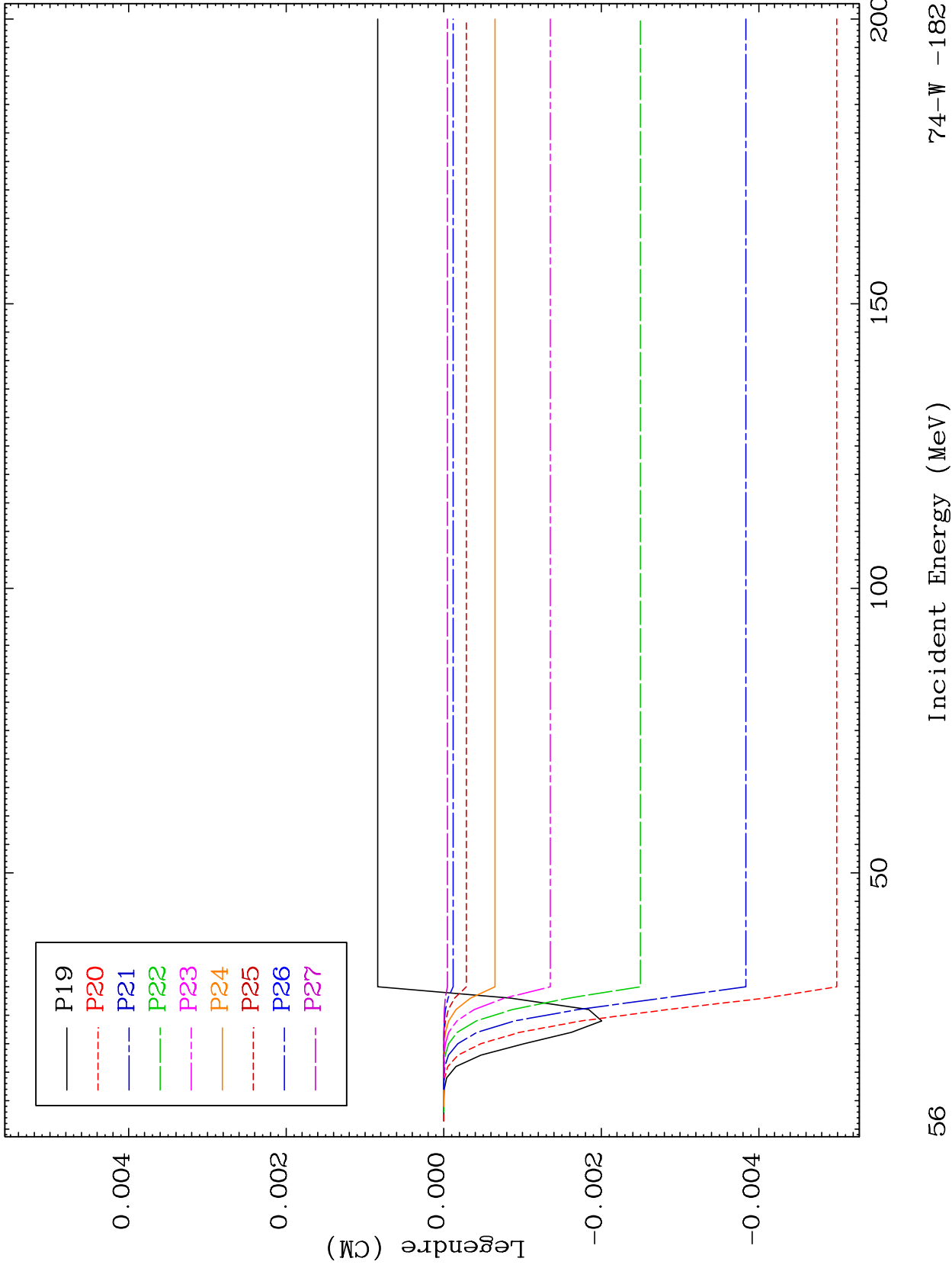


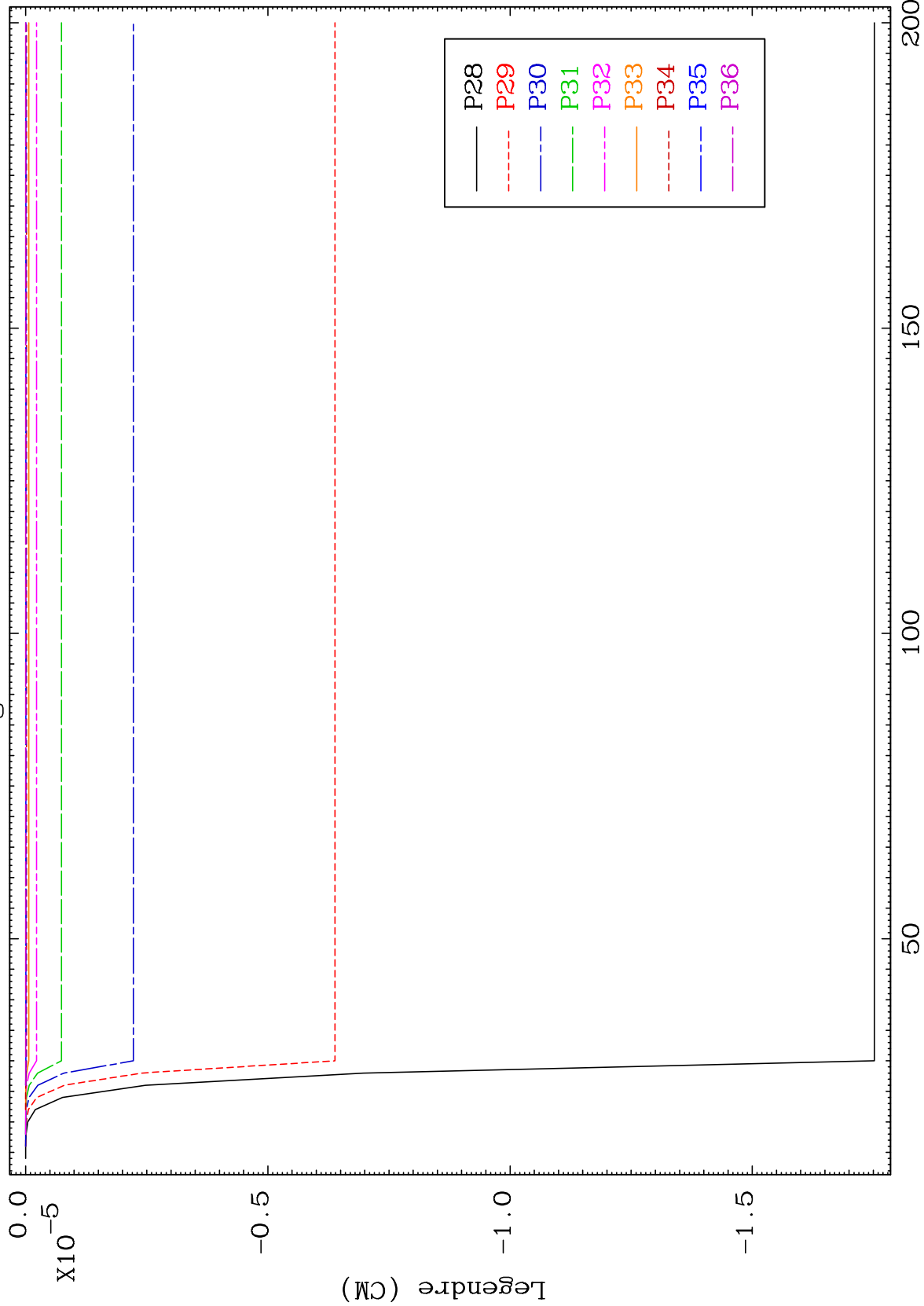
74-W -182

Incident Energy (MeV)

55



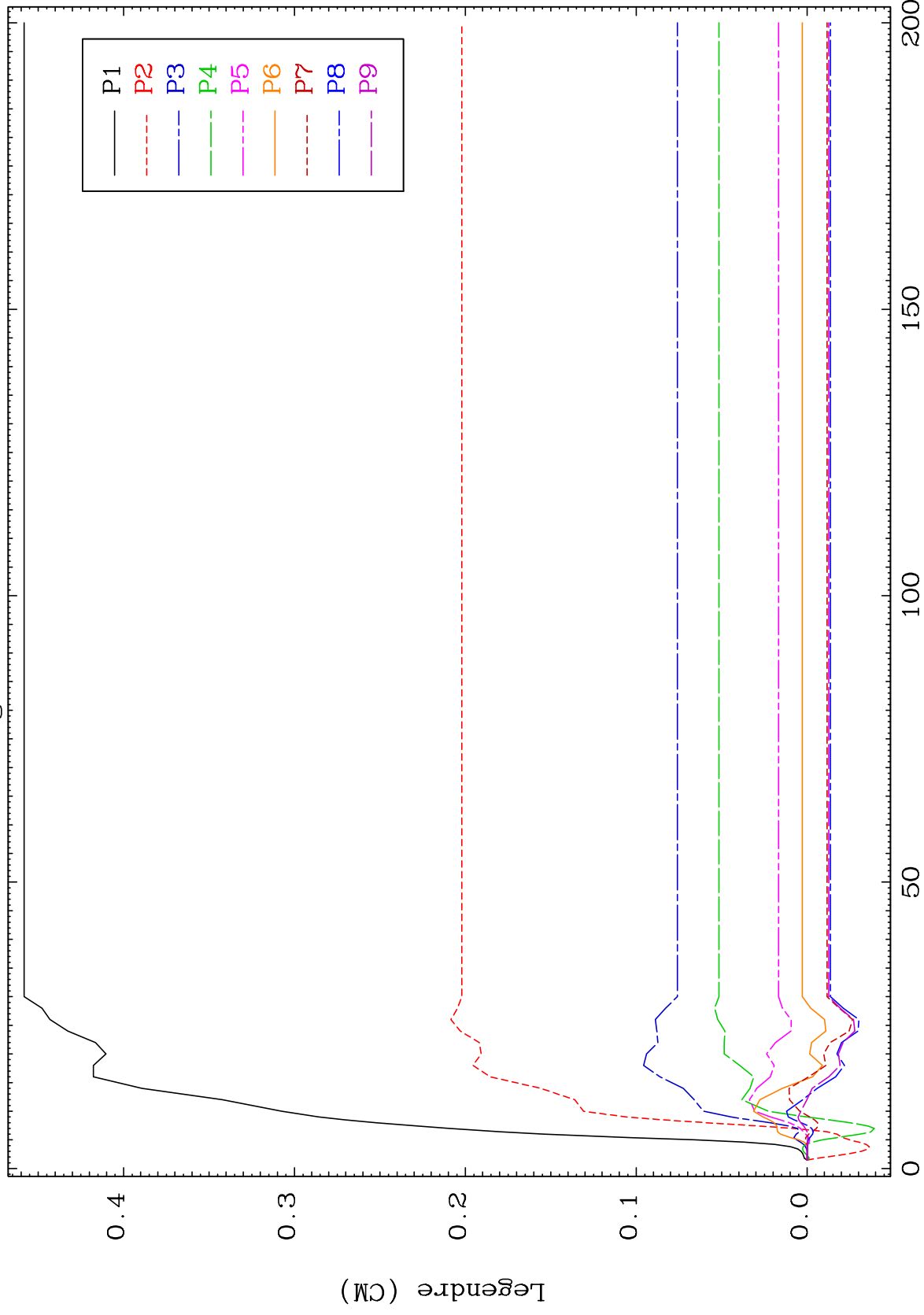




MAT 7431

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

74-W -182



58

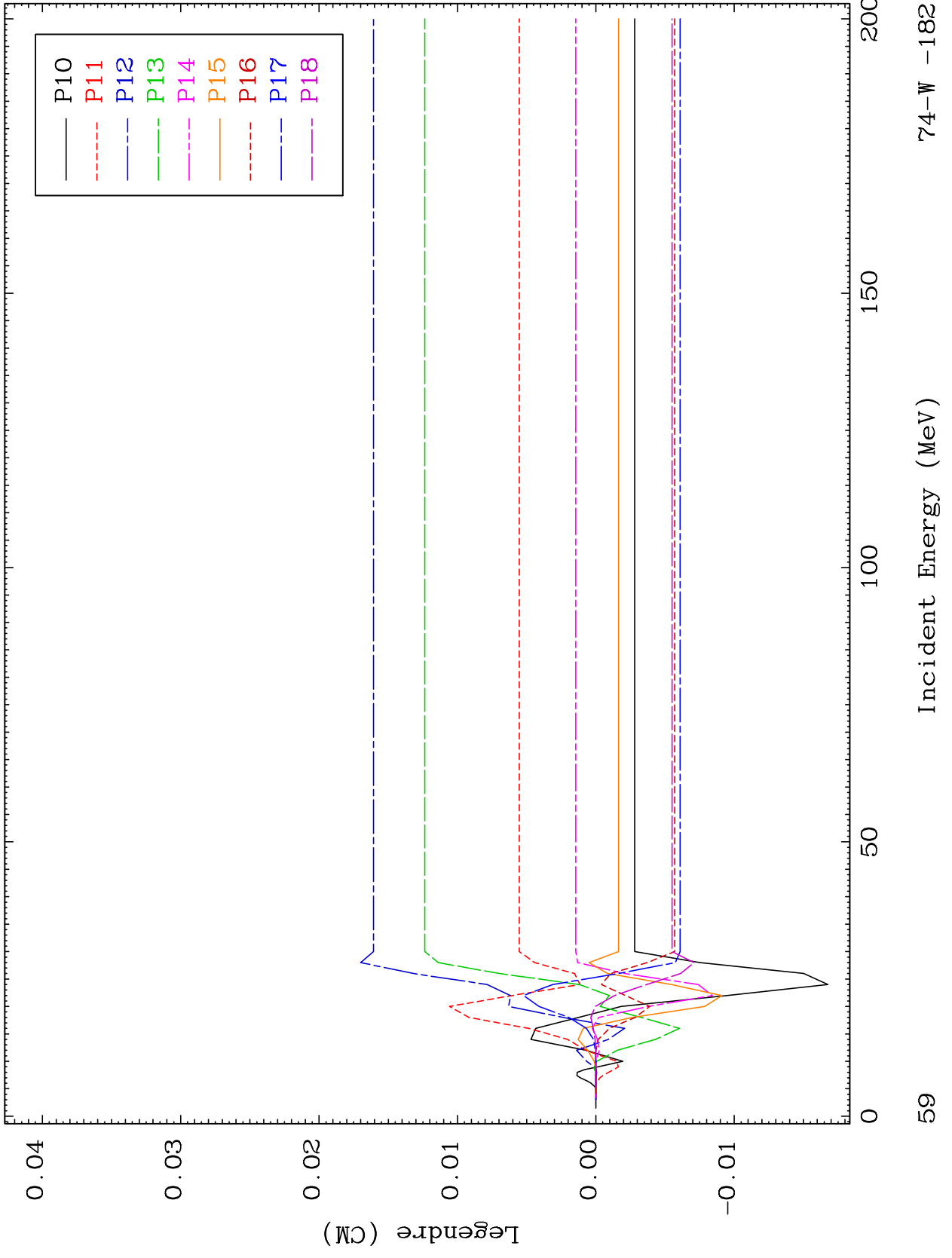
Incident Energy (MeV)

74-W -182

MAT 7431

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

74-W -182



74-W -182

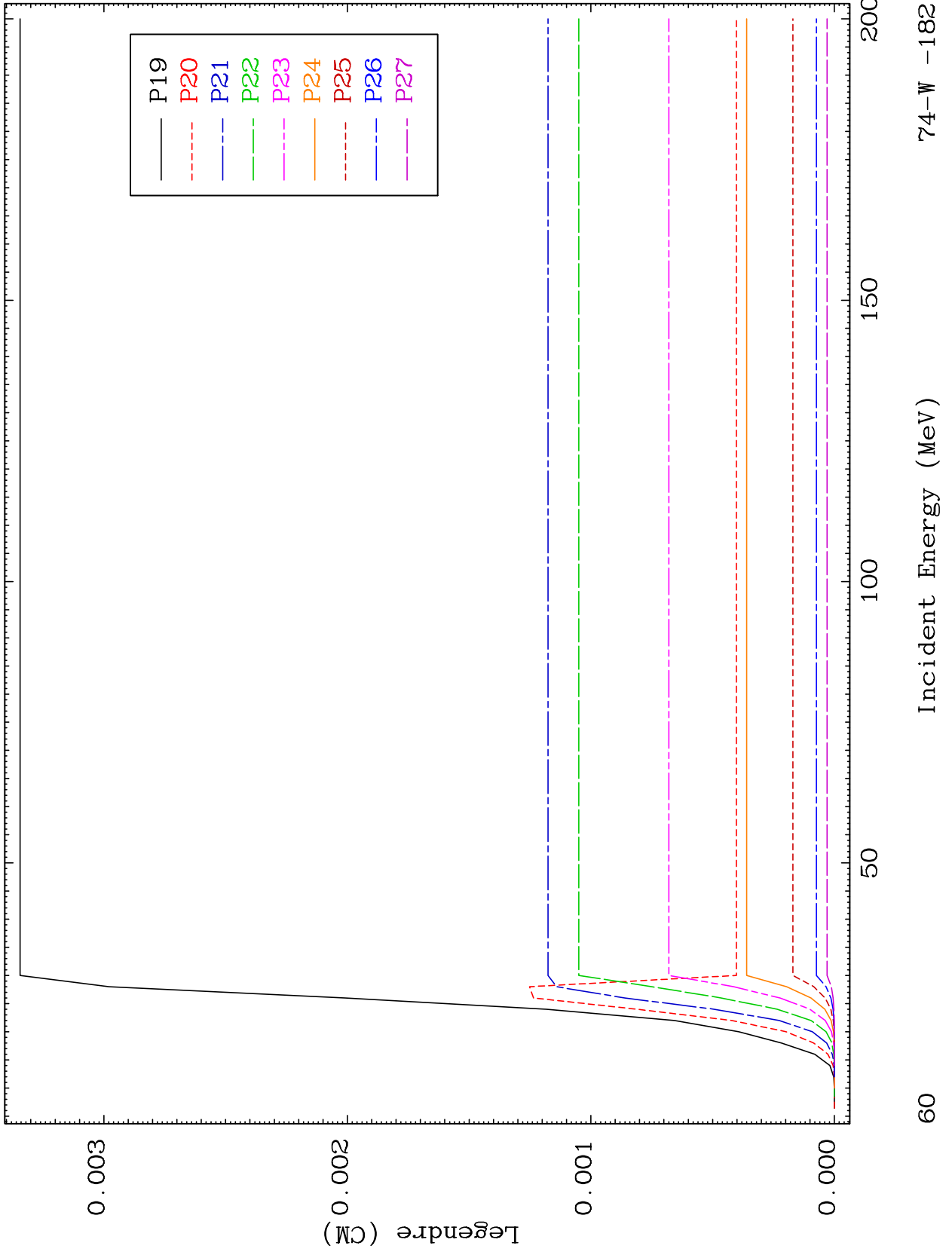
Incident Energy (MeV)

59

MAT 7431

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

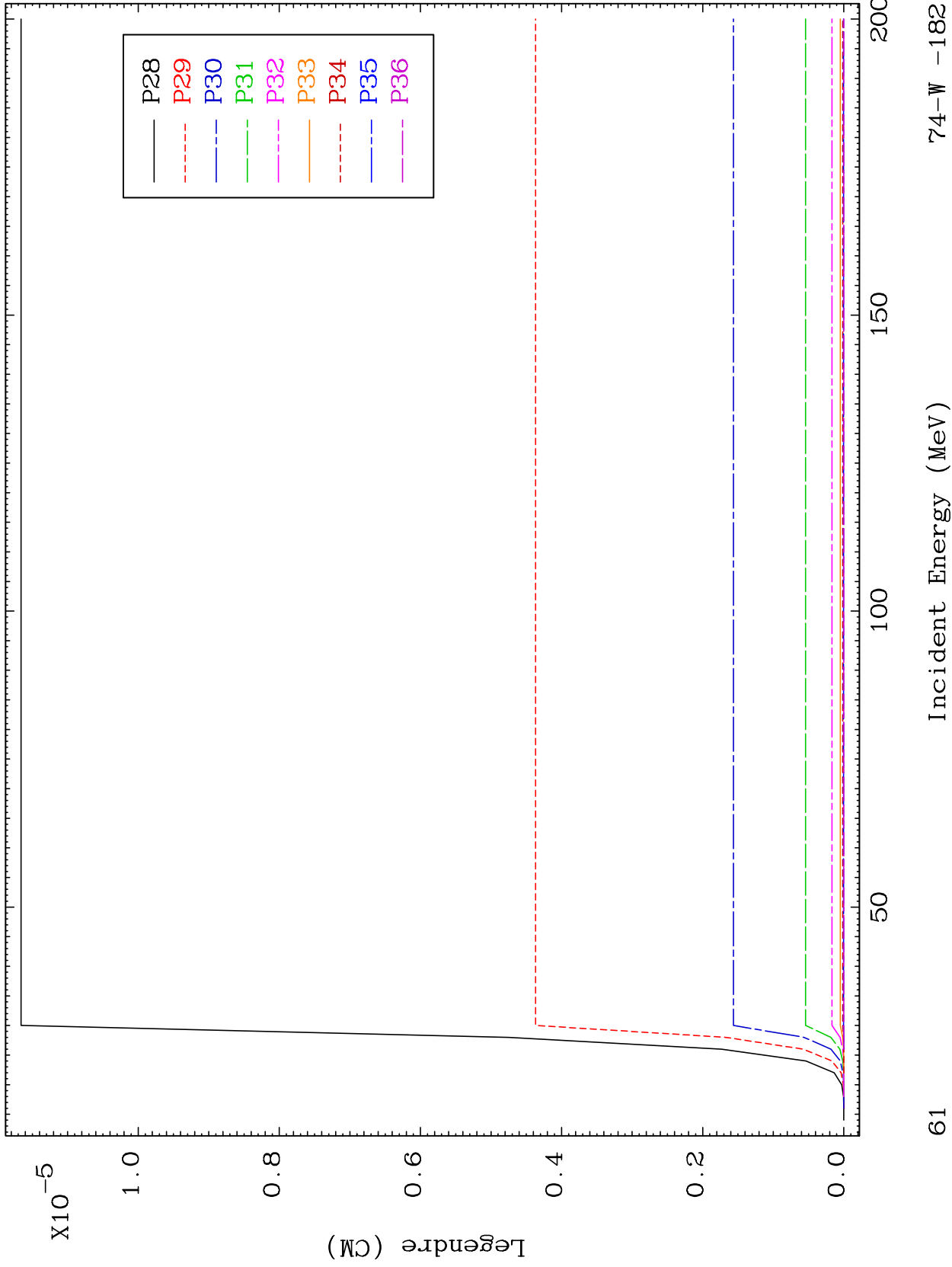
74-W -182



60

Incident Energy (MeV)

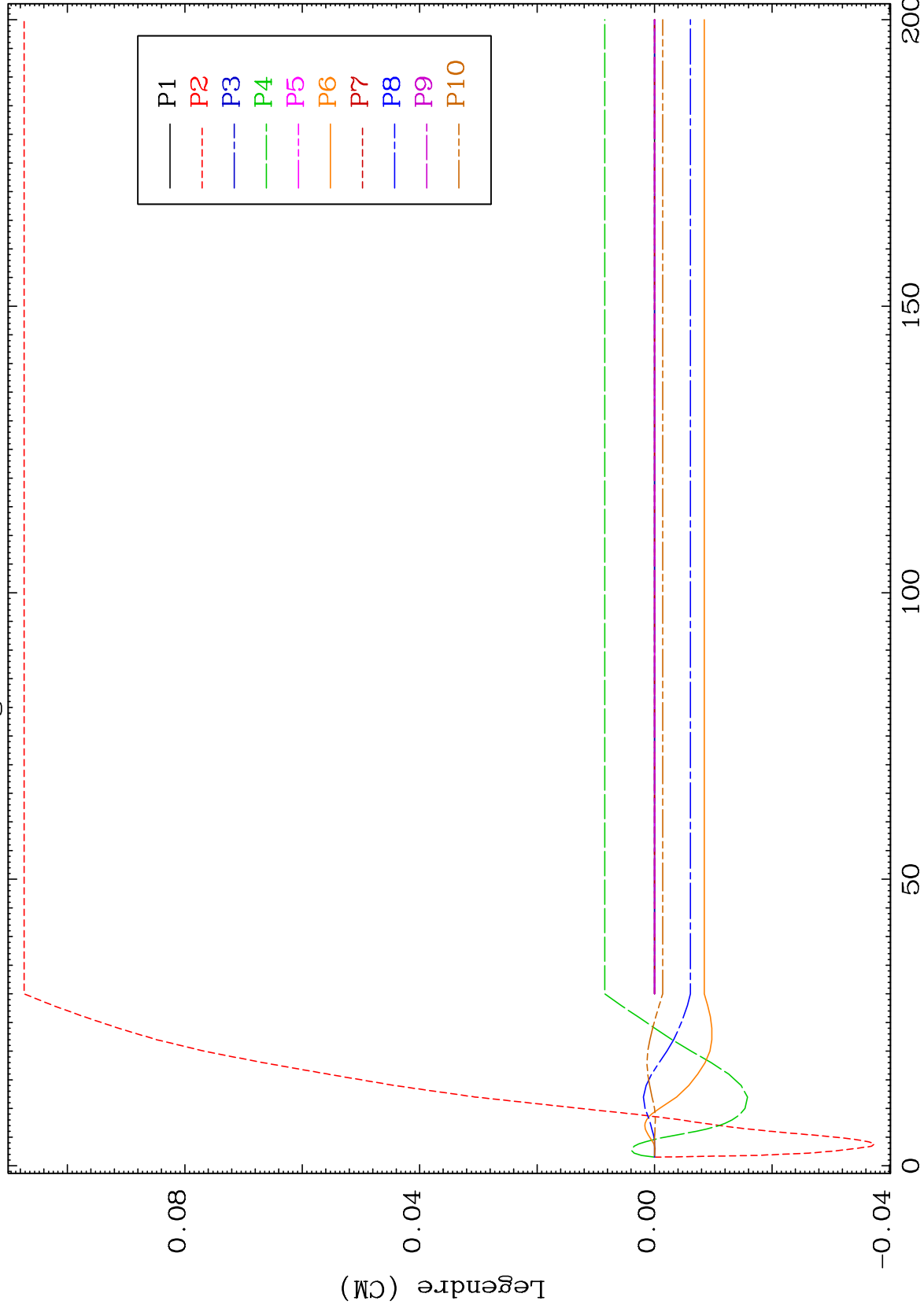
74-W -182



MAT 7431

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

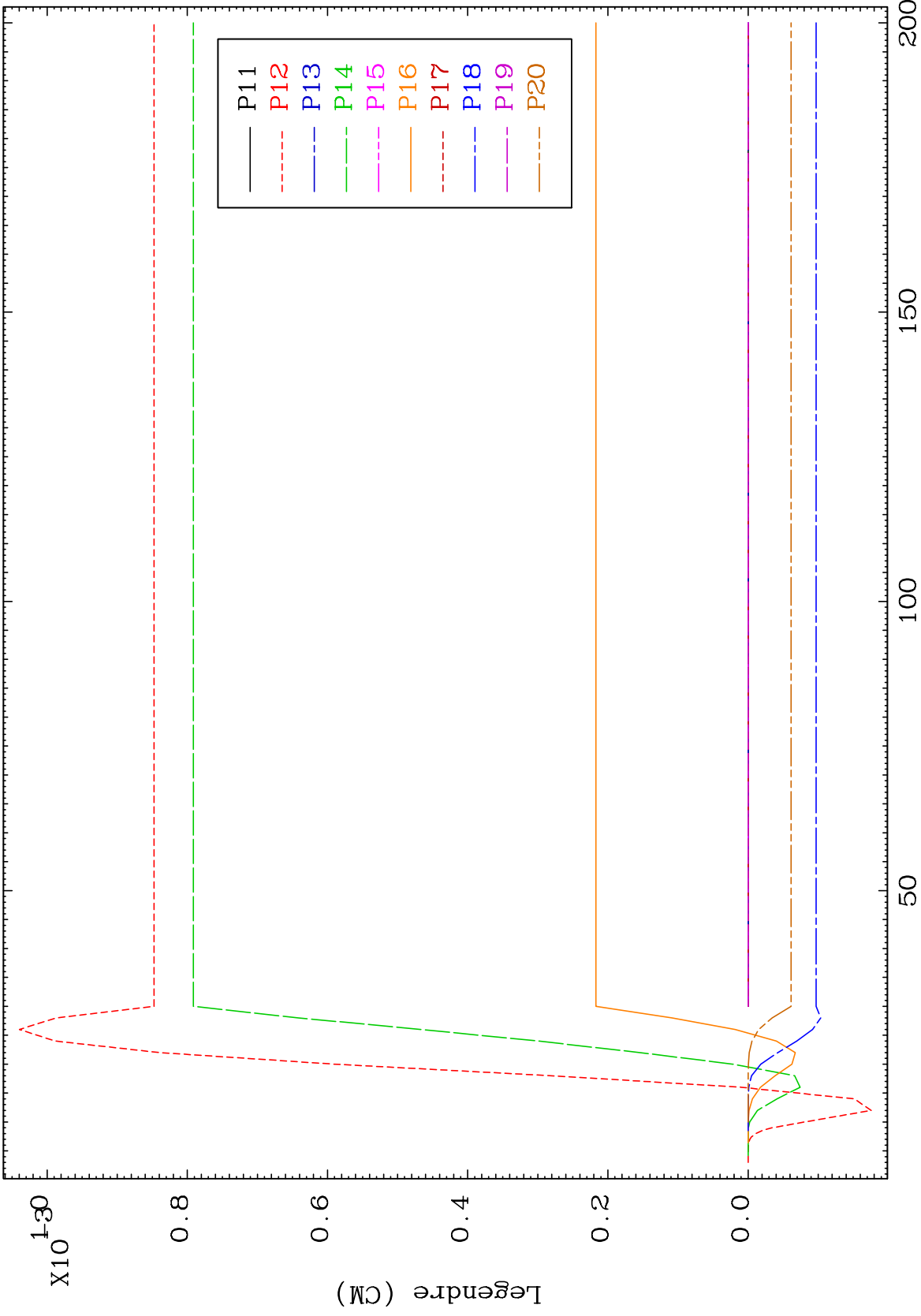
74-W -182



62

Incident Energy (MeV)

74-W -182

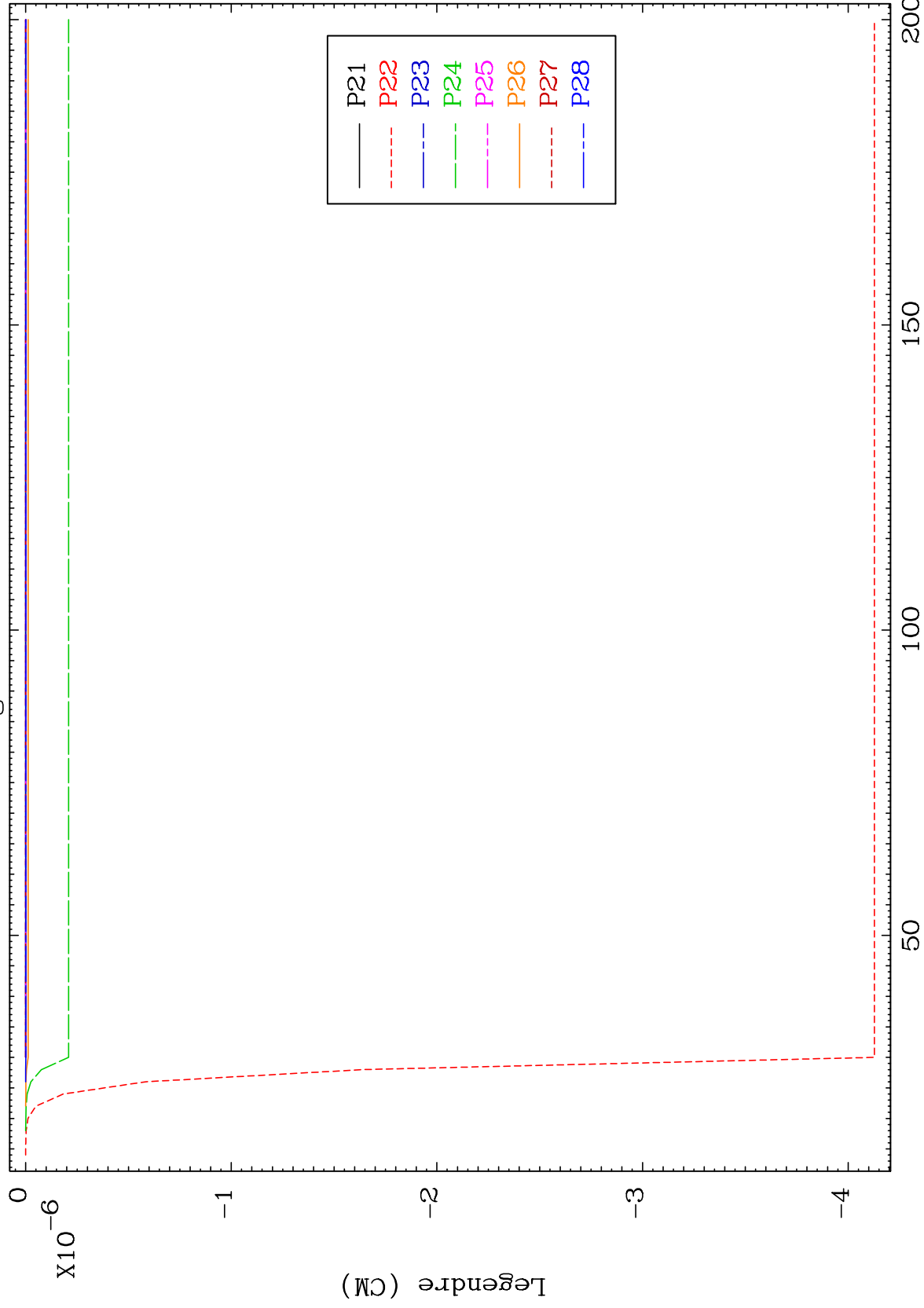




MAT 7431

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

74-W -182



64

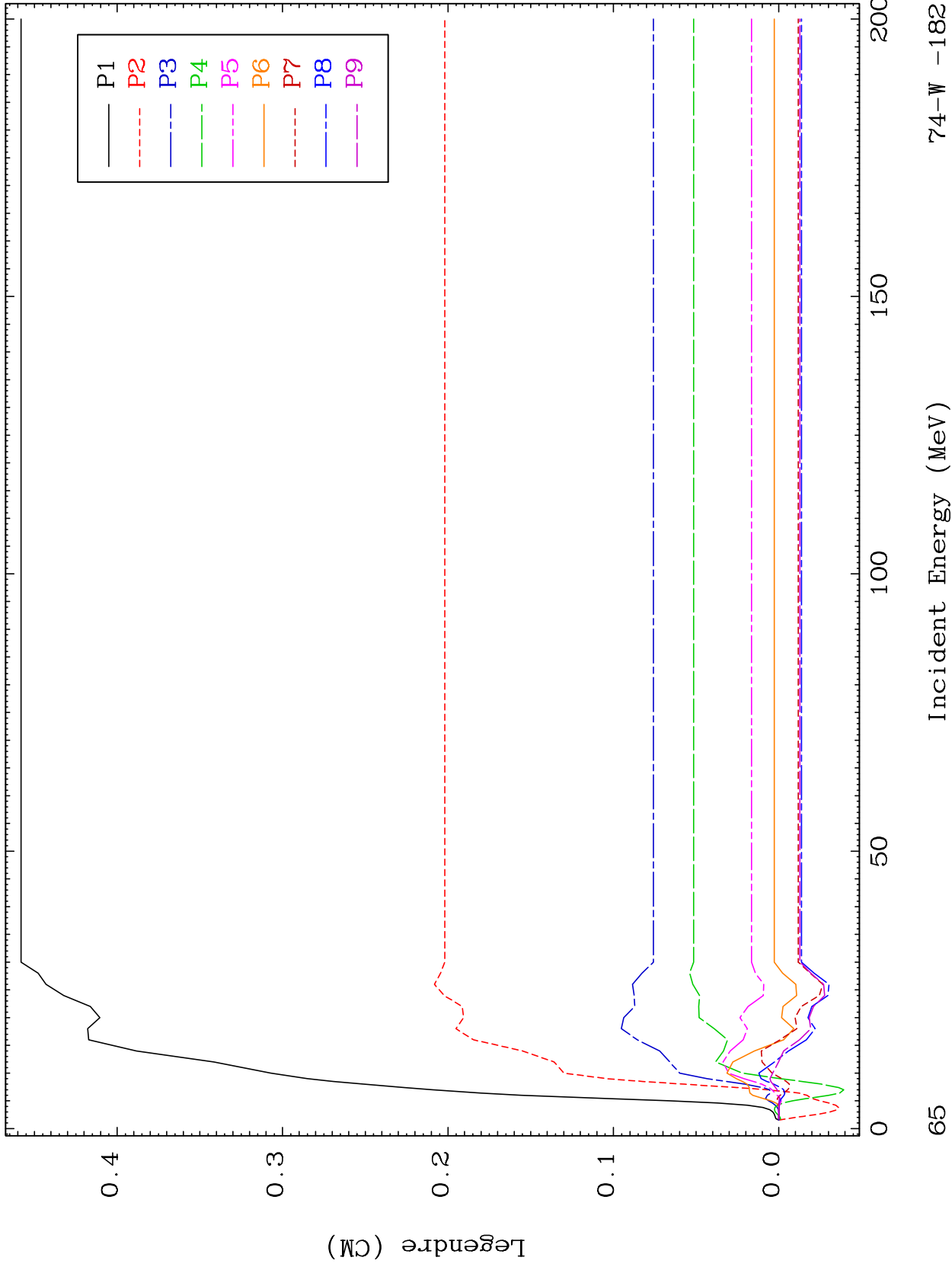
Incident Energy (MeV)

74-W -182

MAT 7431

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

74-W -182



74-W -182

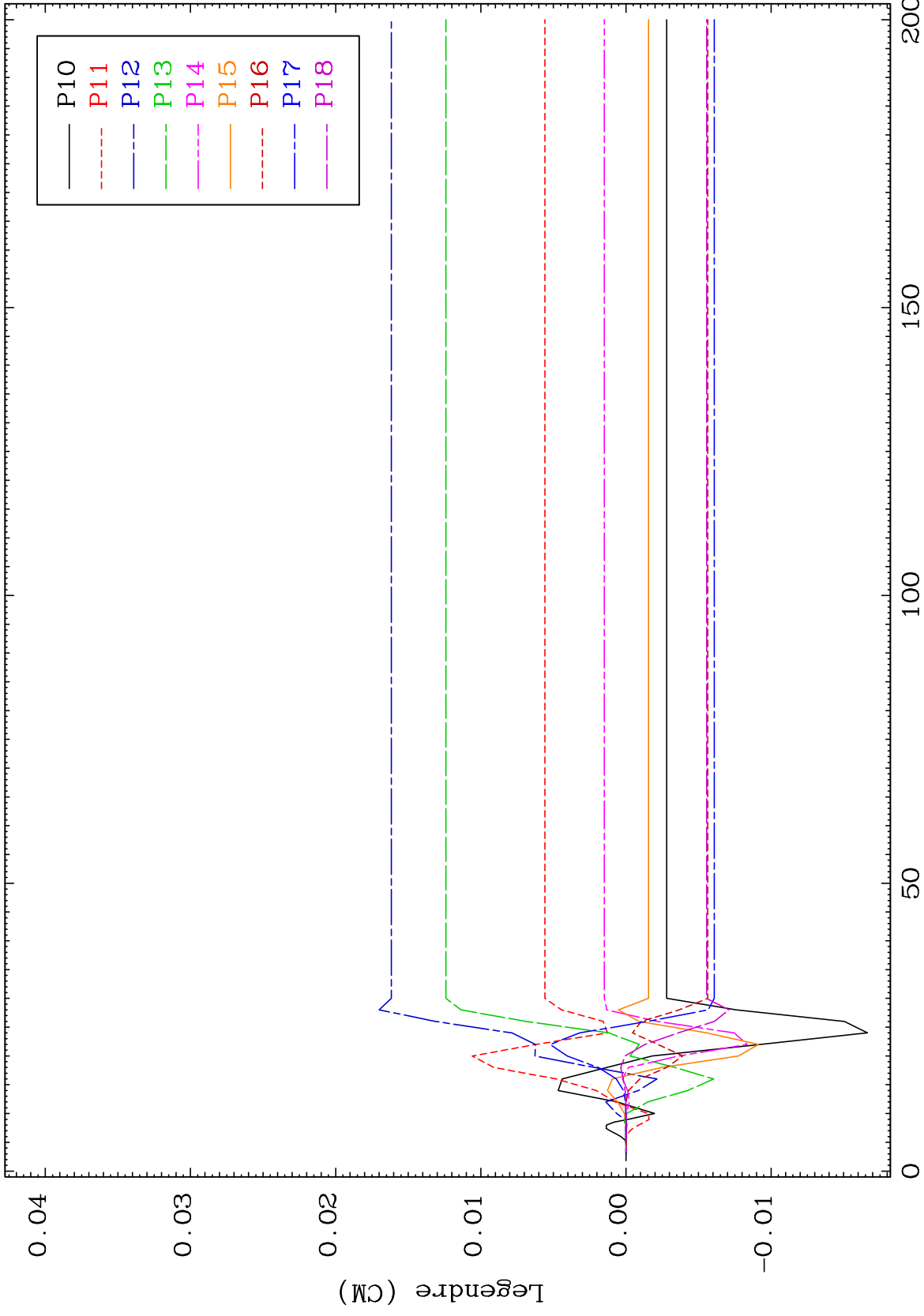
Incident Energy (MeV)

65

MAT 7431

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

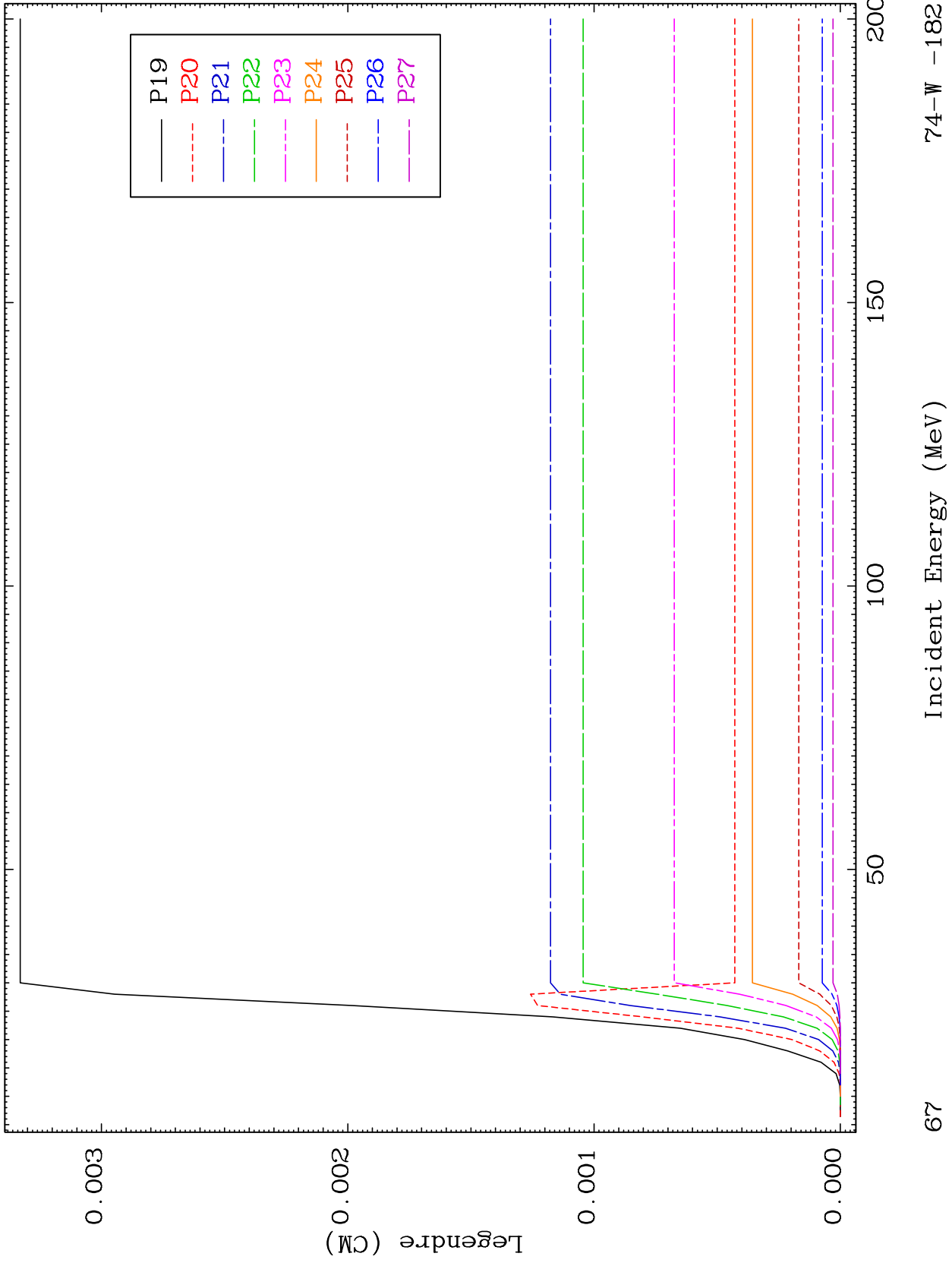
74-W -182



66

Incident Energy (MeV)

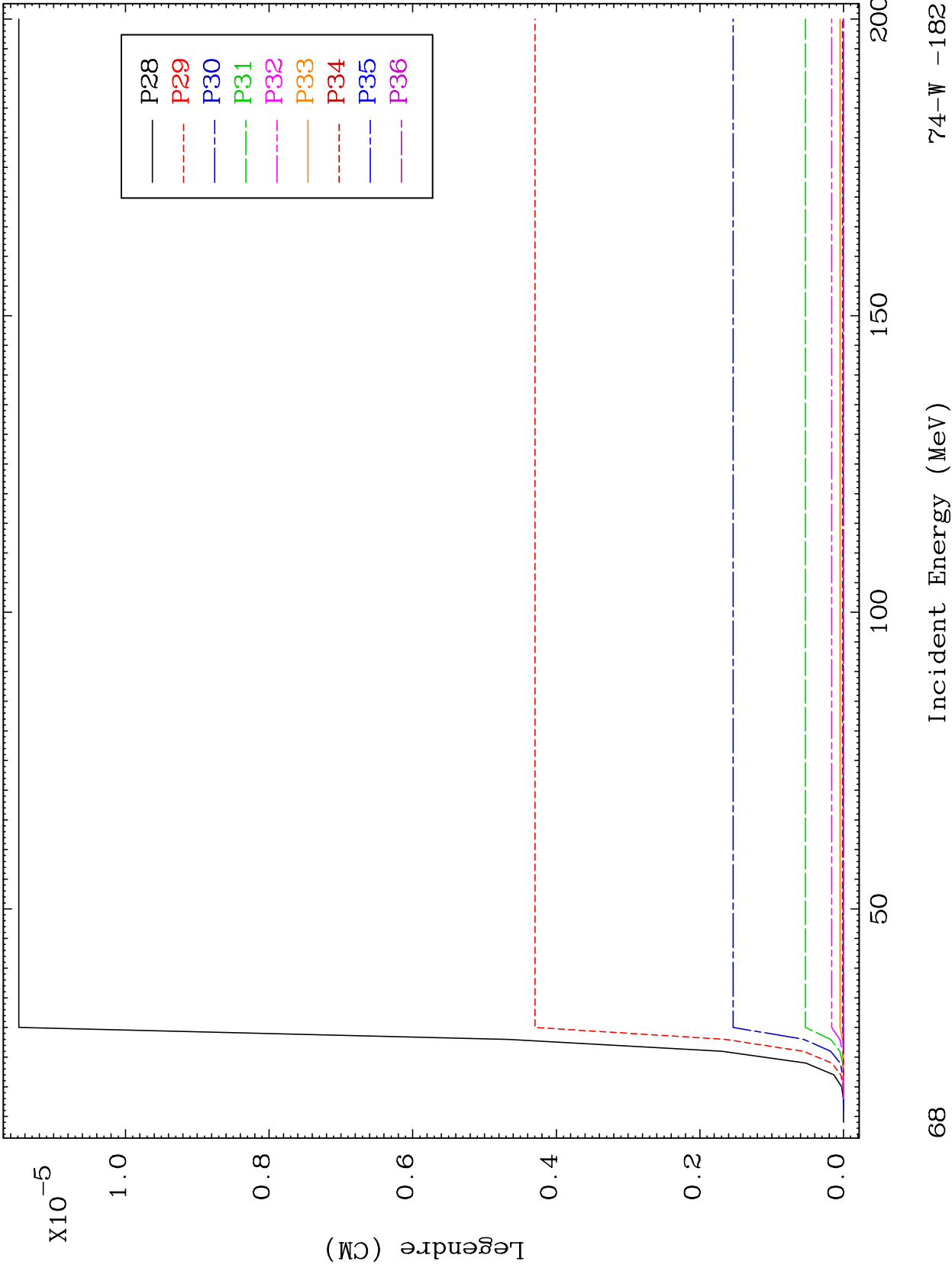
74-W -182



MAT 7431

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

74-W -182



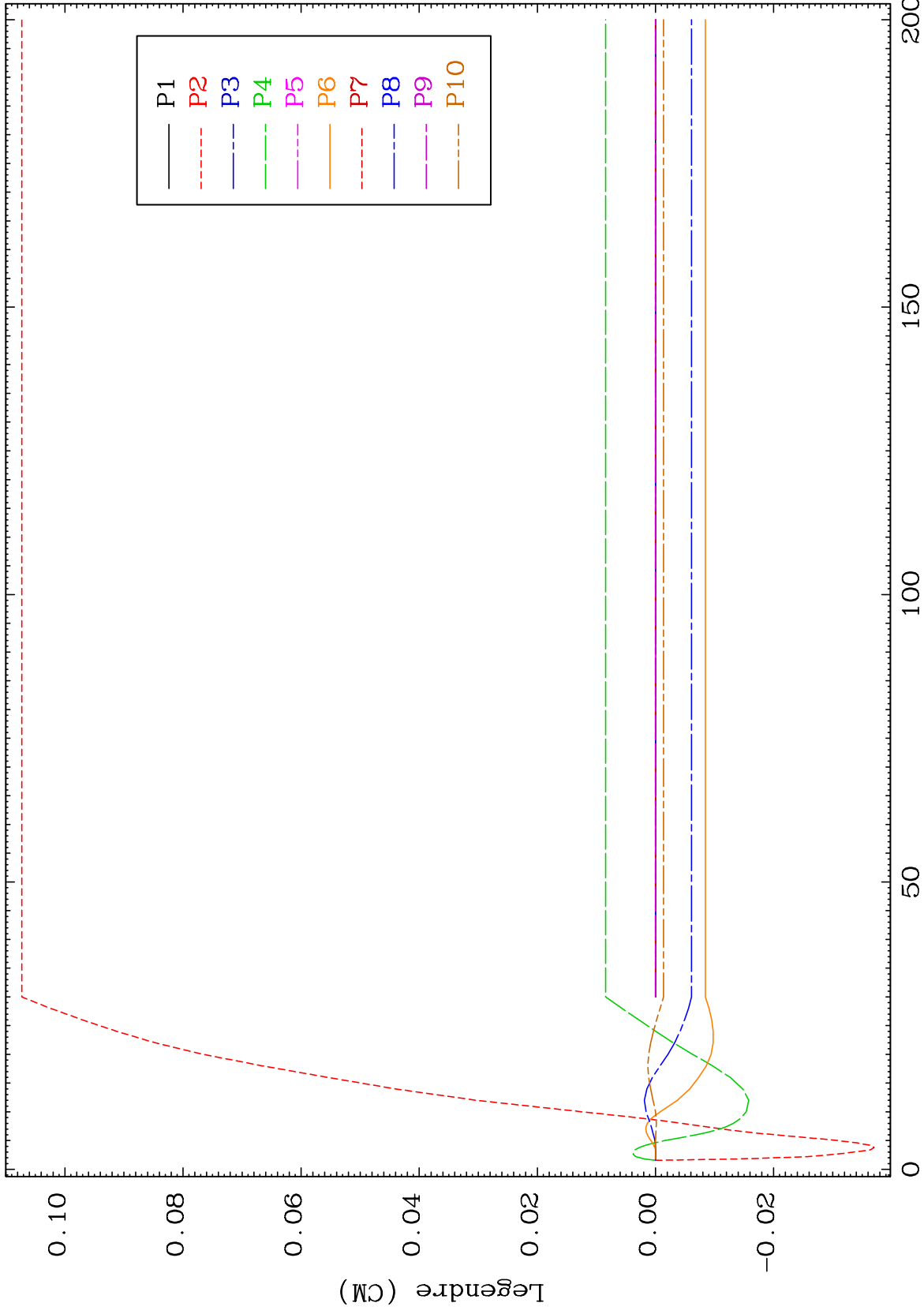
68

74-W -182

MAT 7431

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

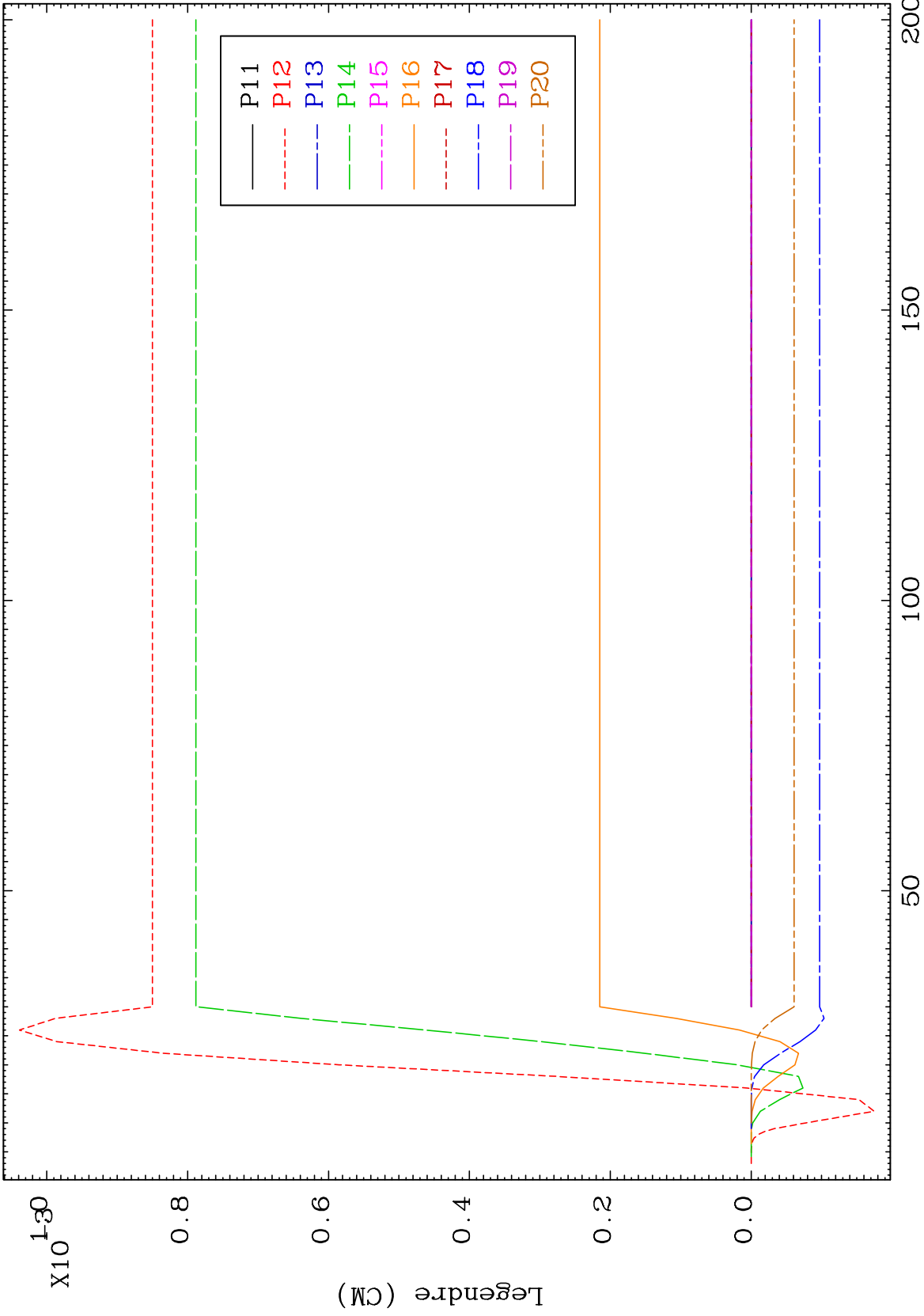
74-W -182



69

Incident Energy (MeV)

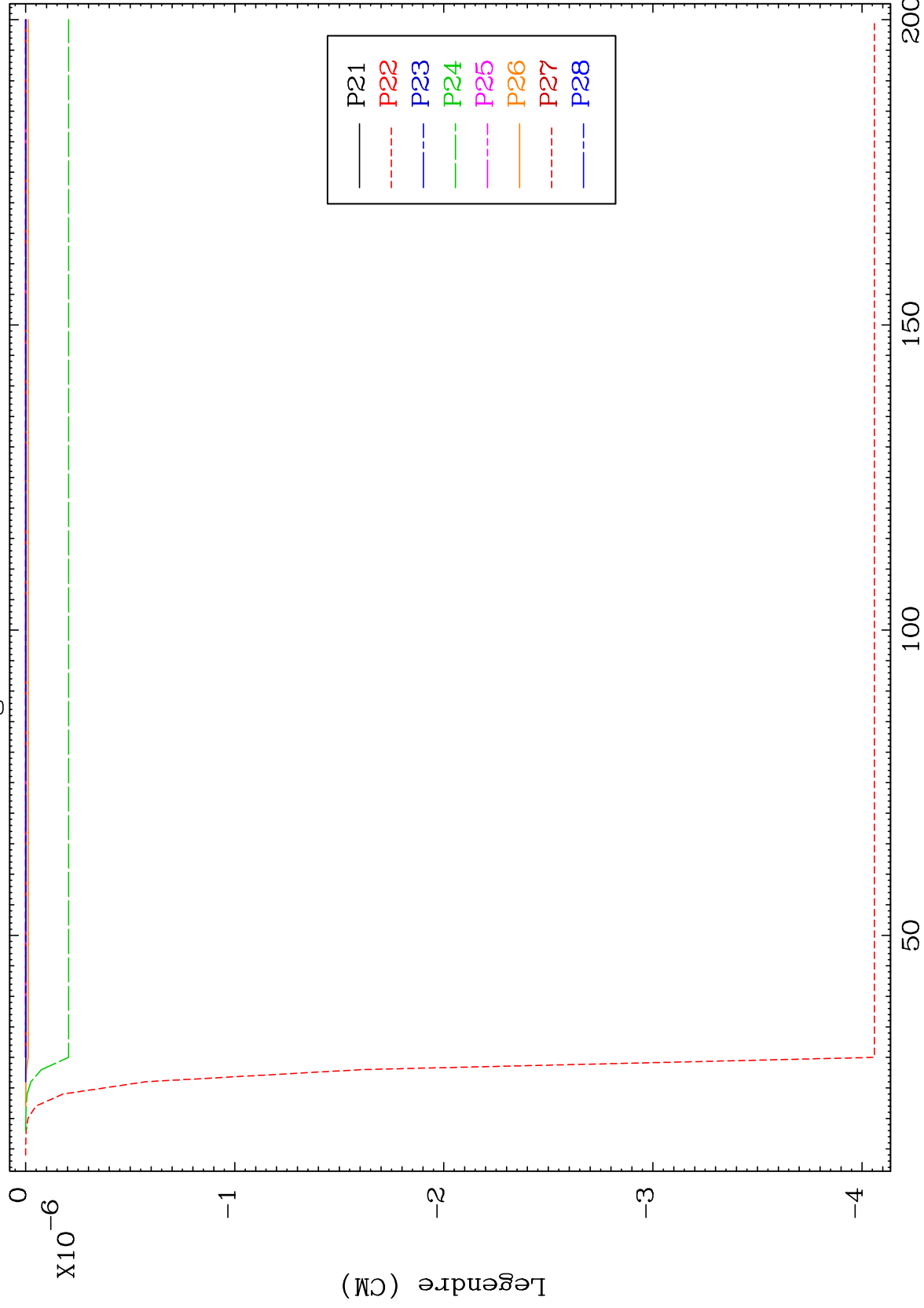
74-W -182



MAT 7431

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

74-W -182

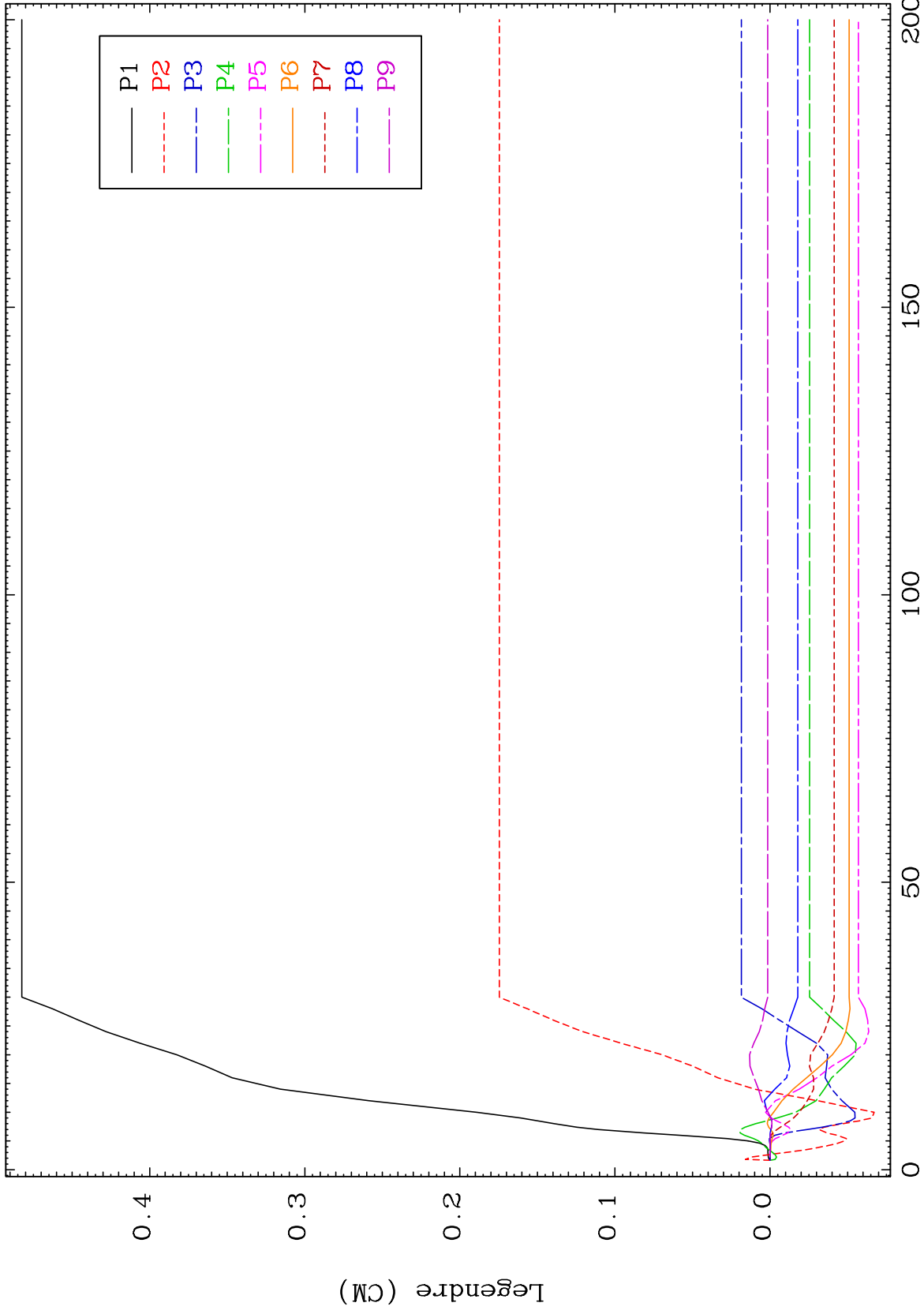


71

Incident Energy (MeV)

74-W -182

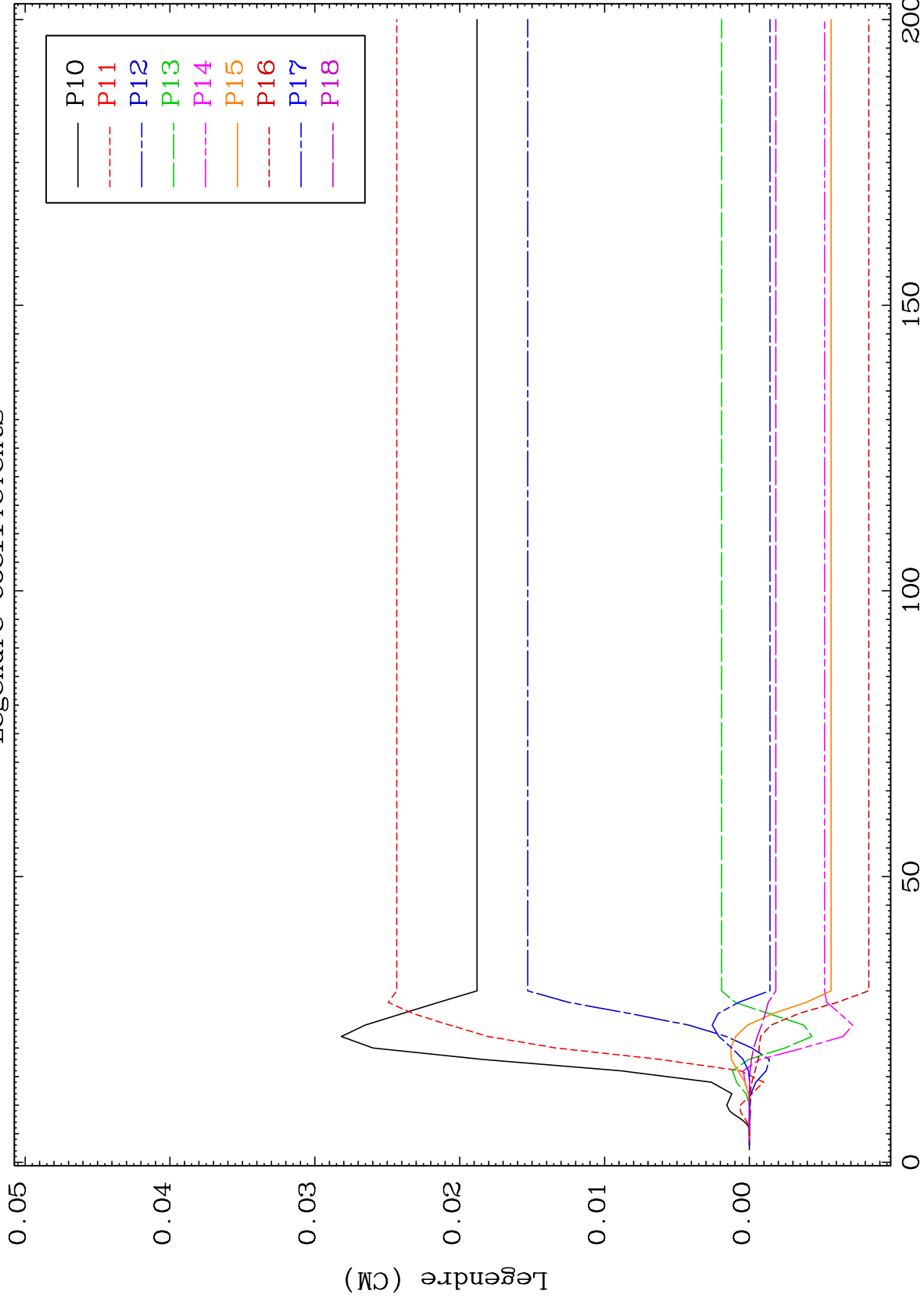




MAT 7431

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

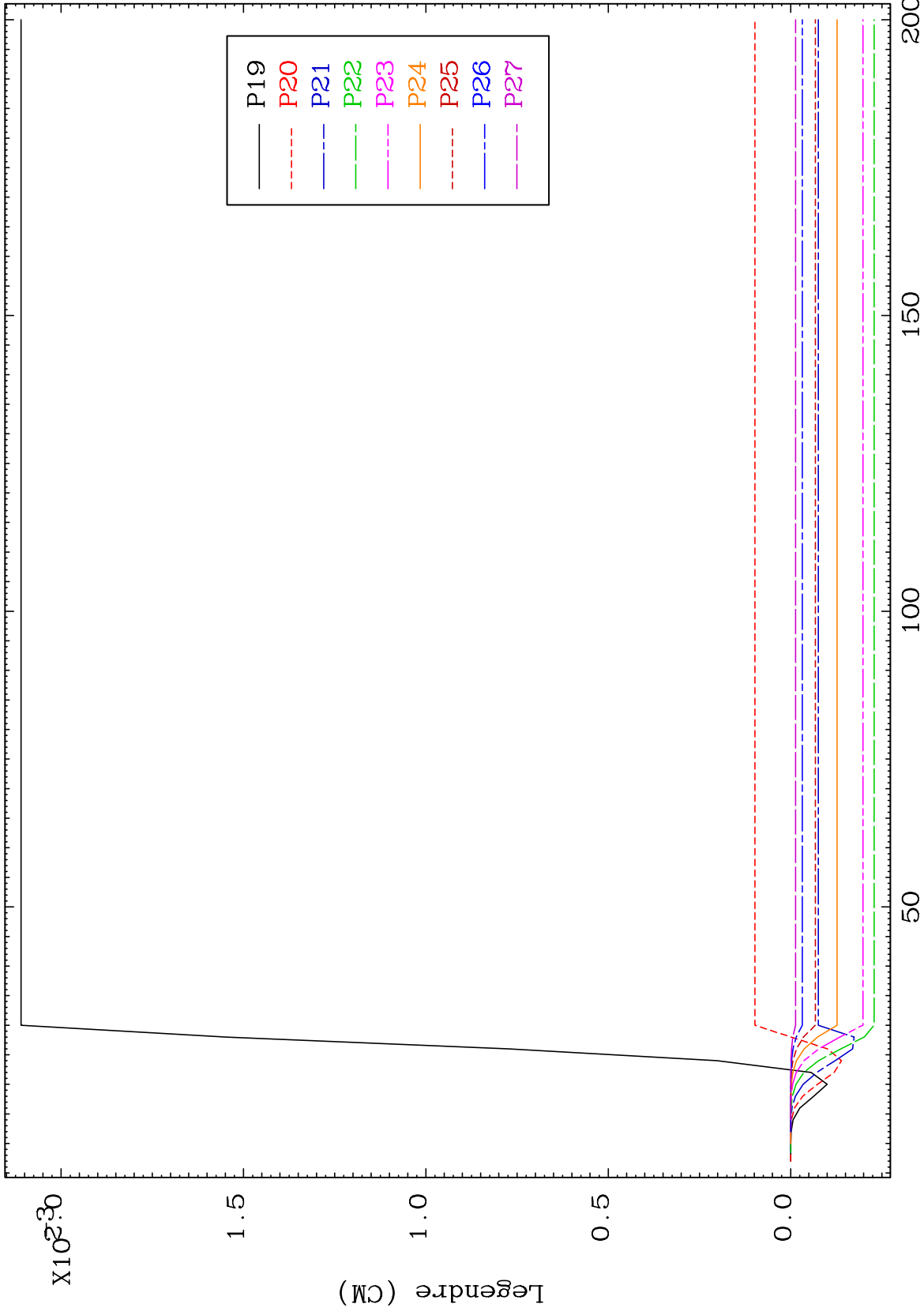
74-W -182



73

Incident Energy (MeV)

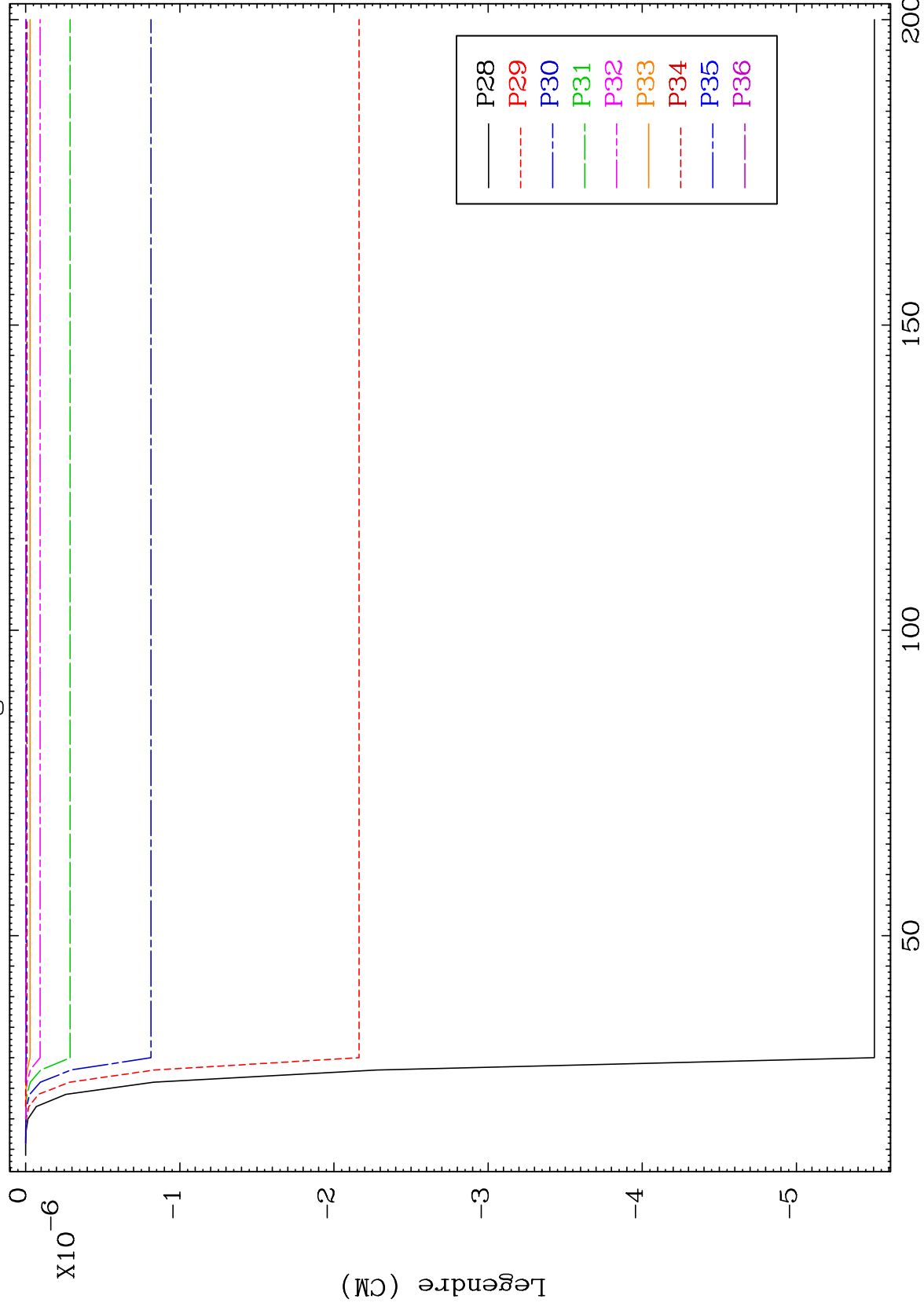
74-W -182



MAT 7431

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

74-W -182



75

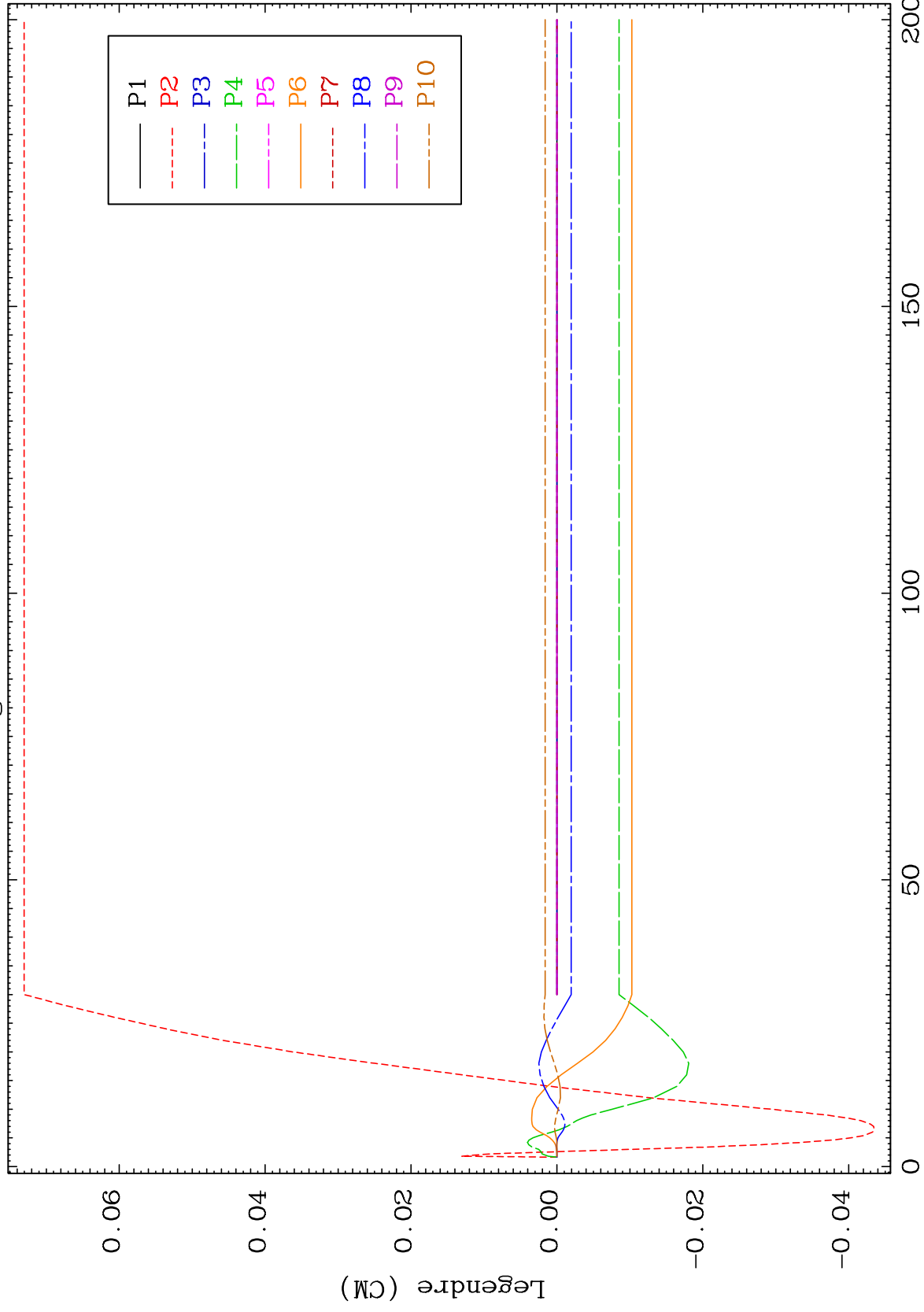
Incident Energy (MeV)

74-W -182

MAT 7431

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

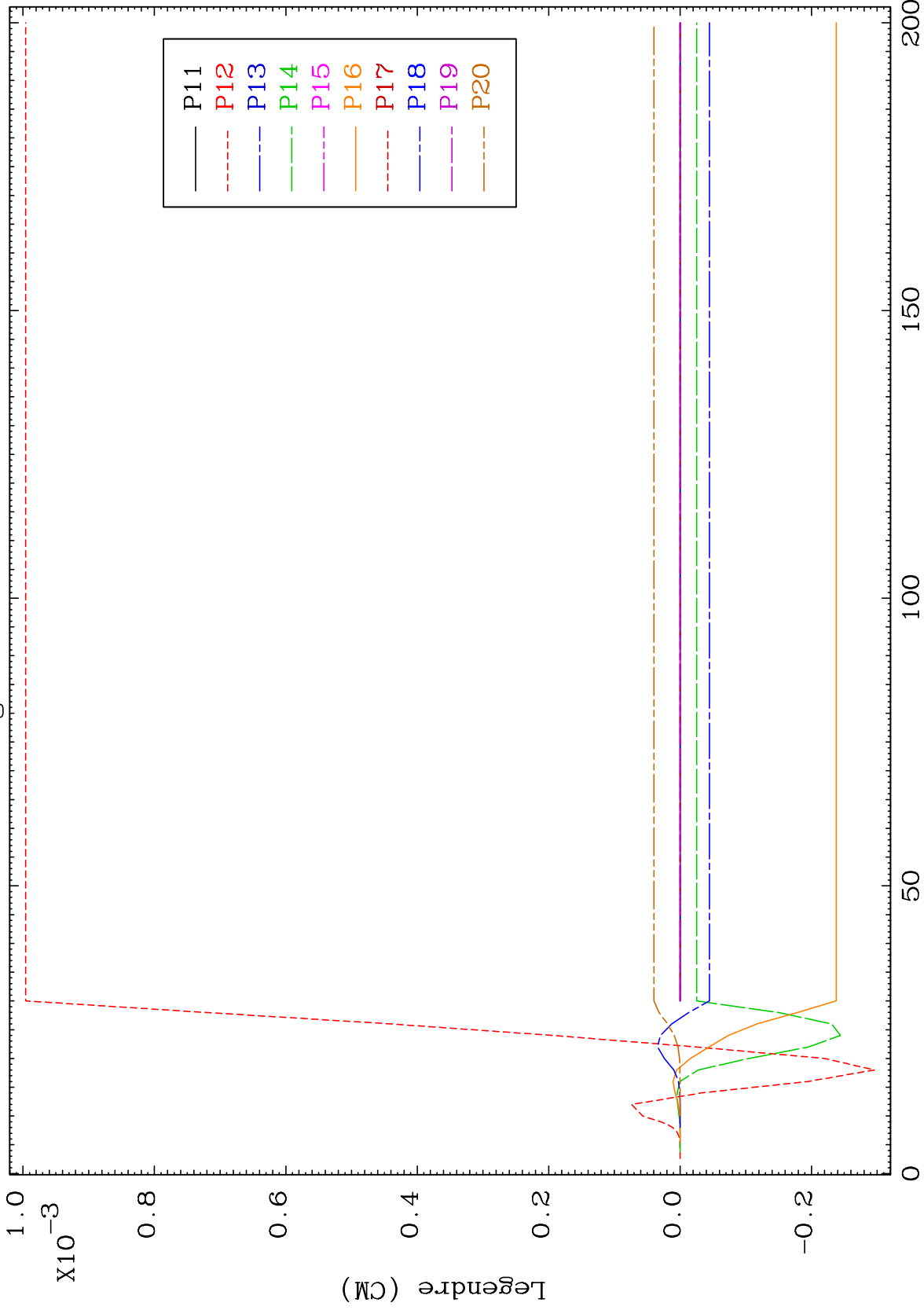
74-W -182



76

Incident Energy (MeV)

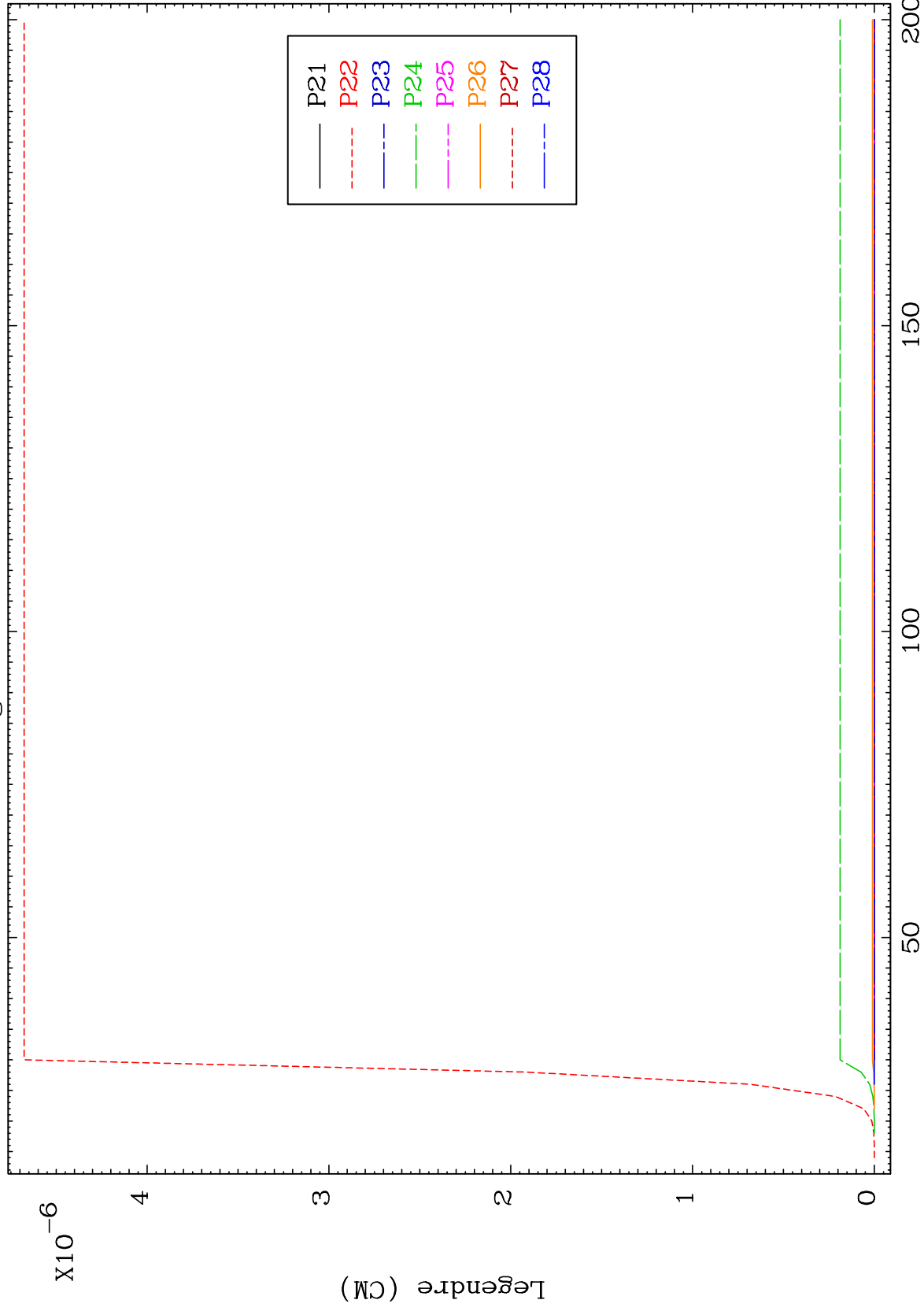
74-W -182



MAT 7431

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

74-W -182



78

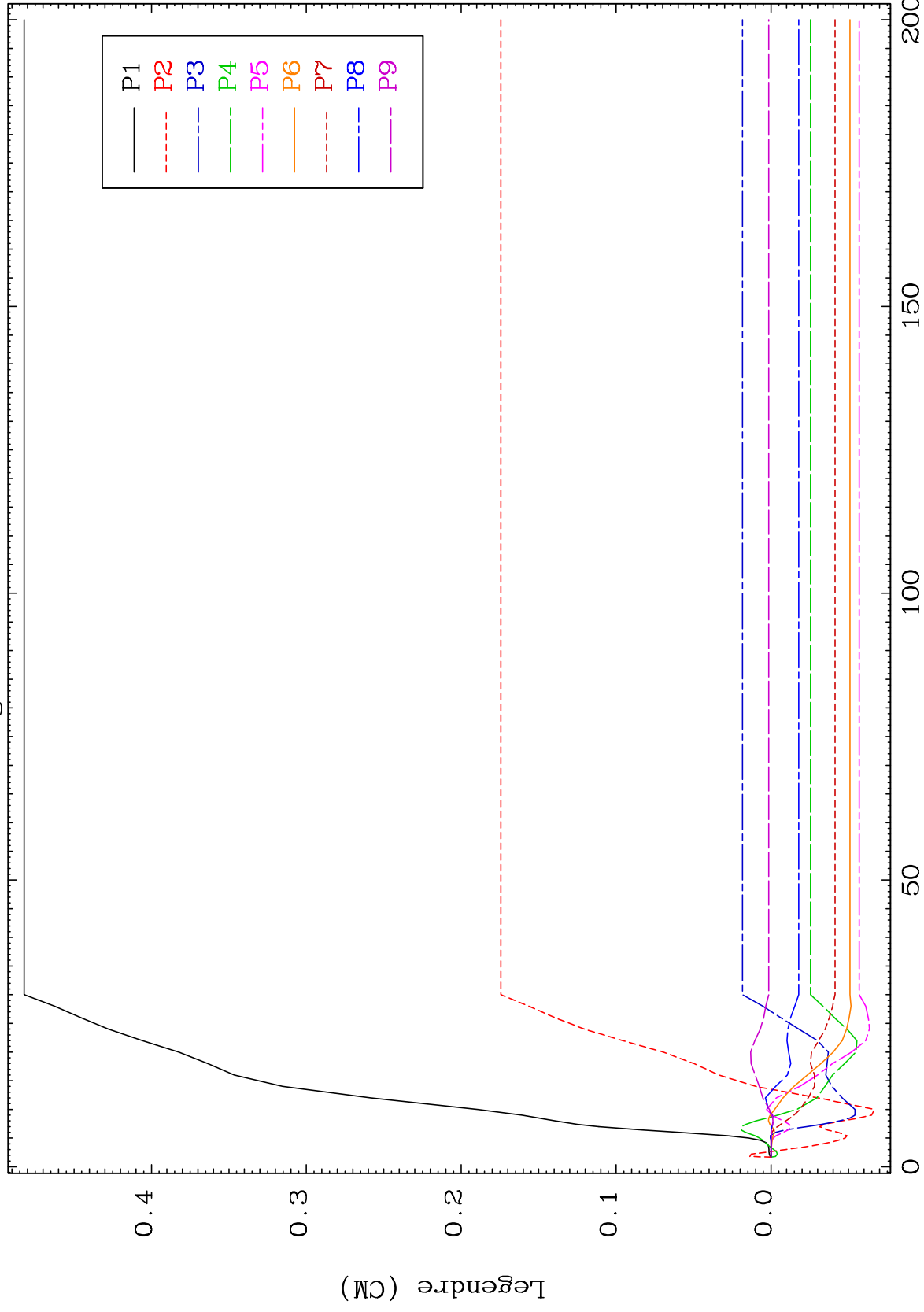
Incident Energy (MeV)

74-W -182

MAT 7431

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

74-W -182



79

Incident Energy (MeV)

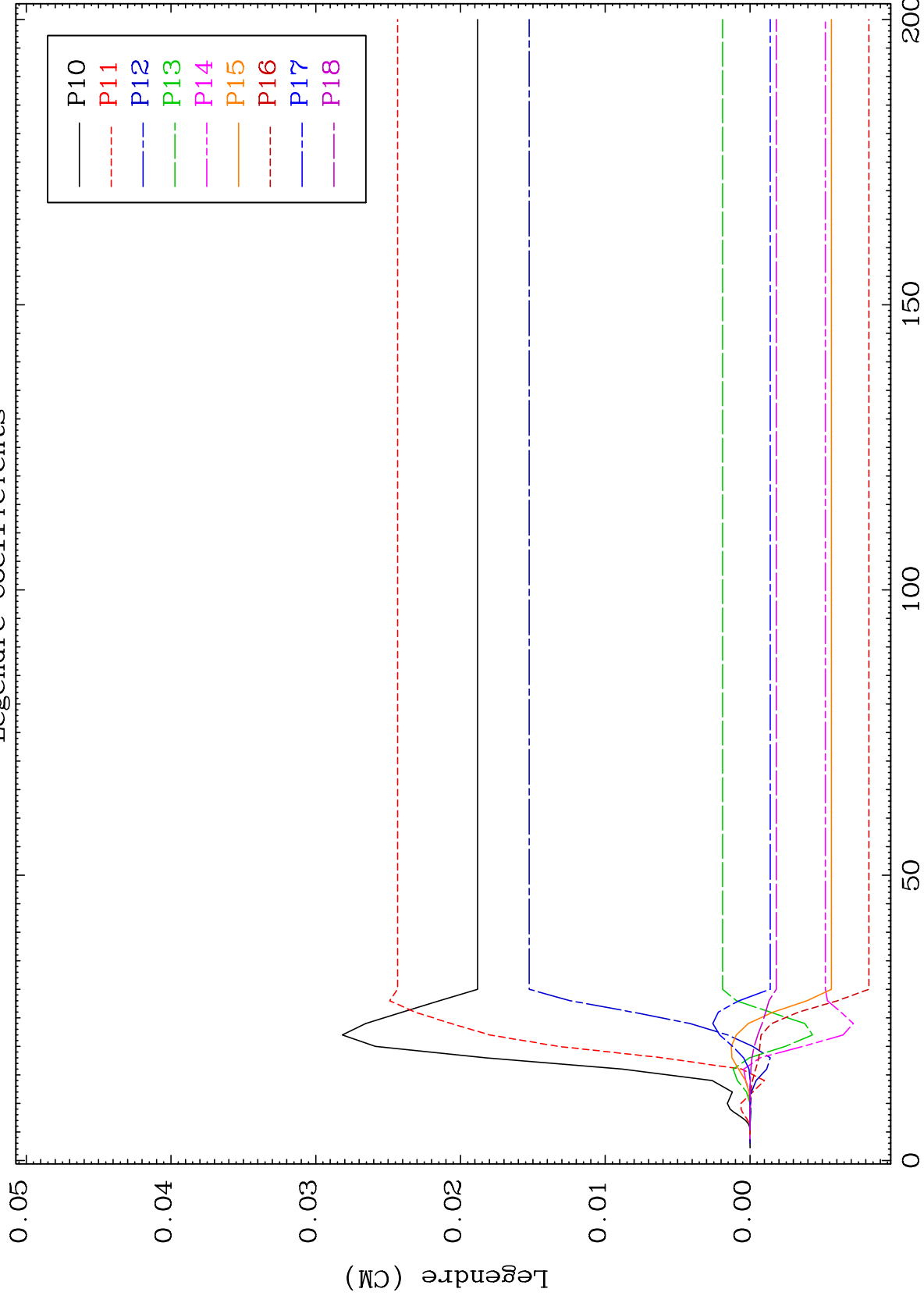
74-W -182



MAT 7431

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

74-W -182

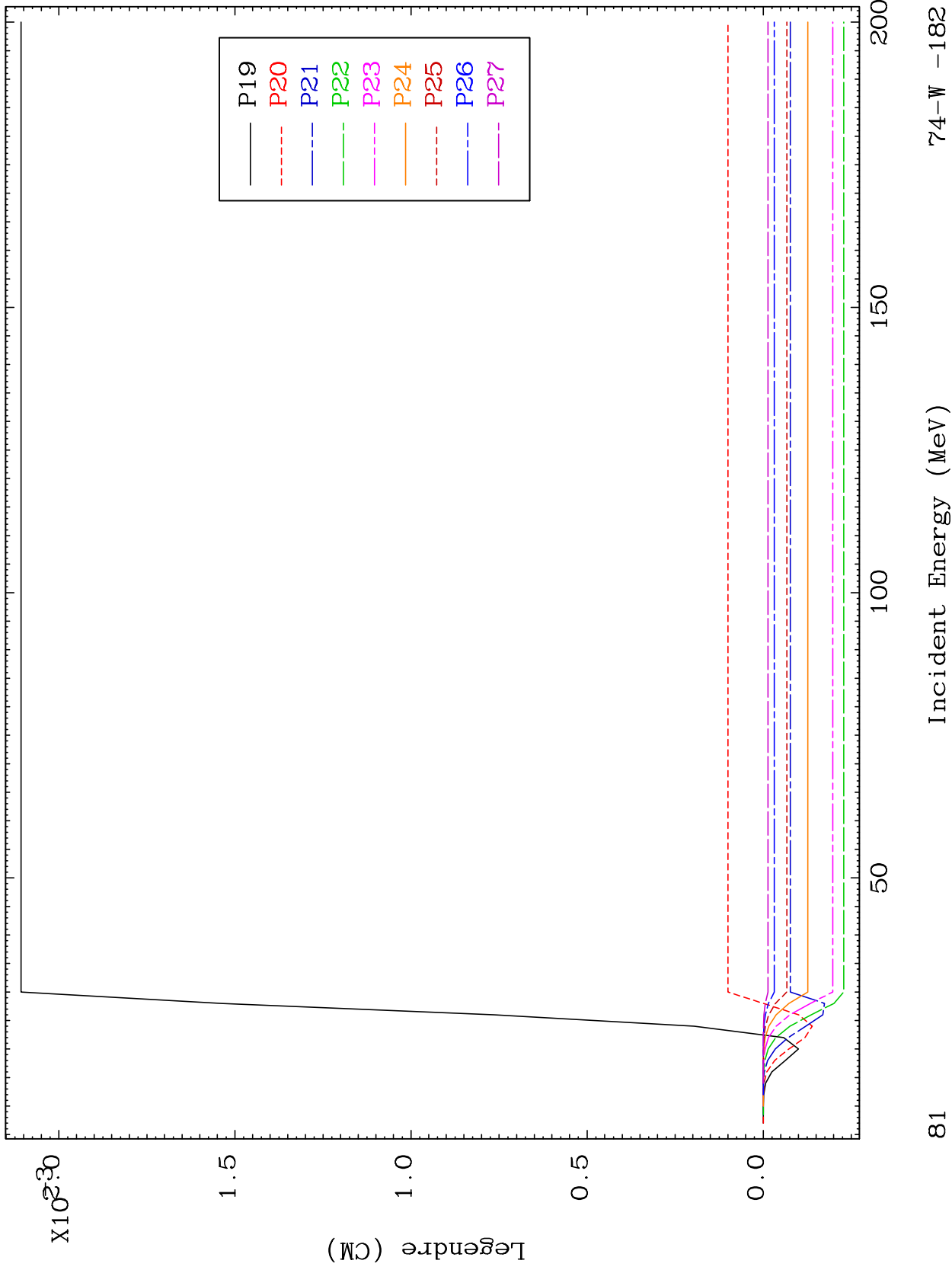


80

Incident Energy (MeV)

74-W -182

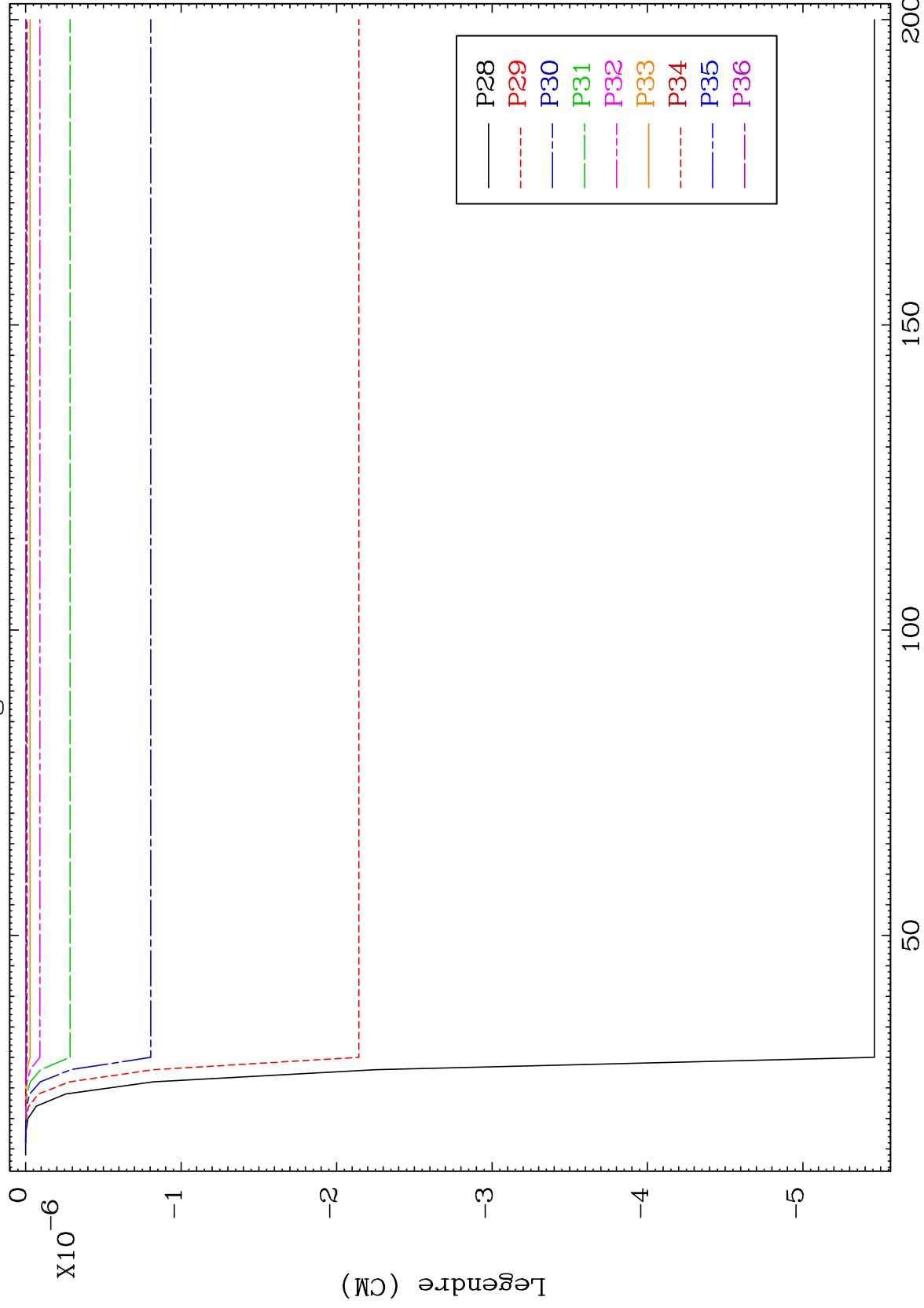
200



MAT 7431

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

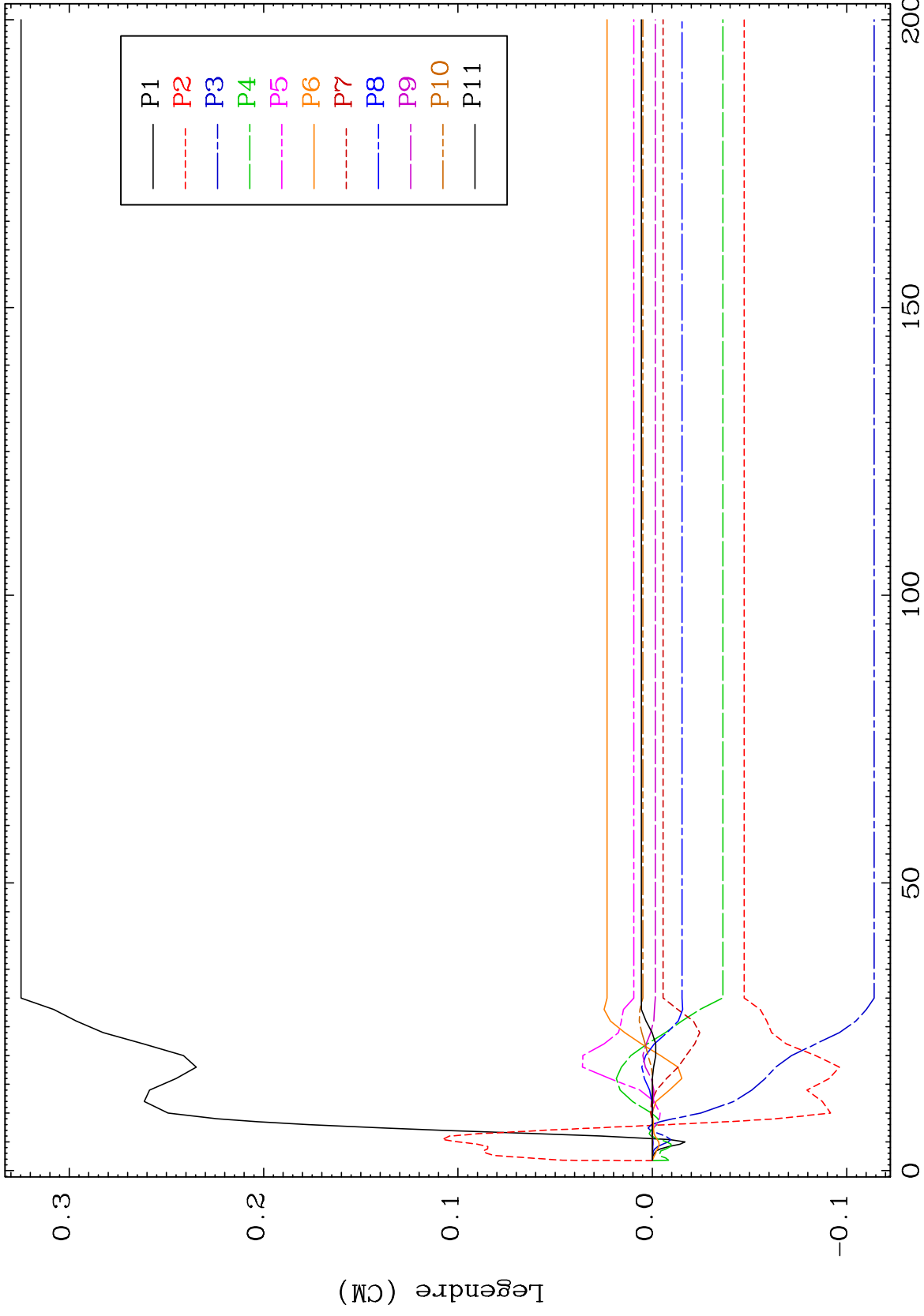
74-W -182



82

Incident Energy (MeV)

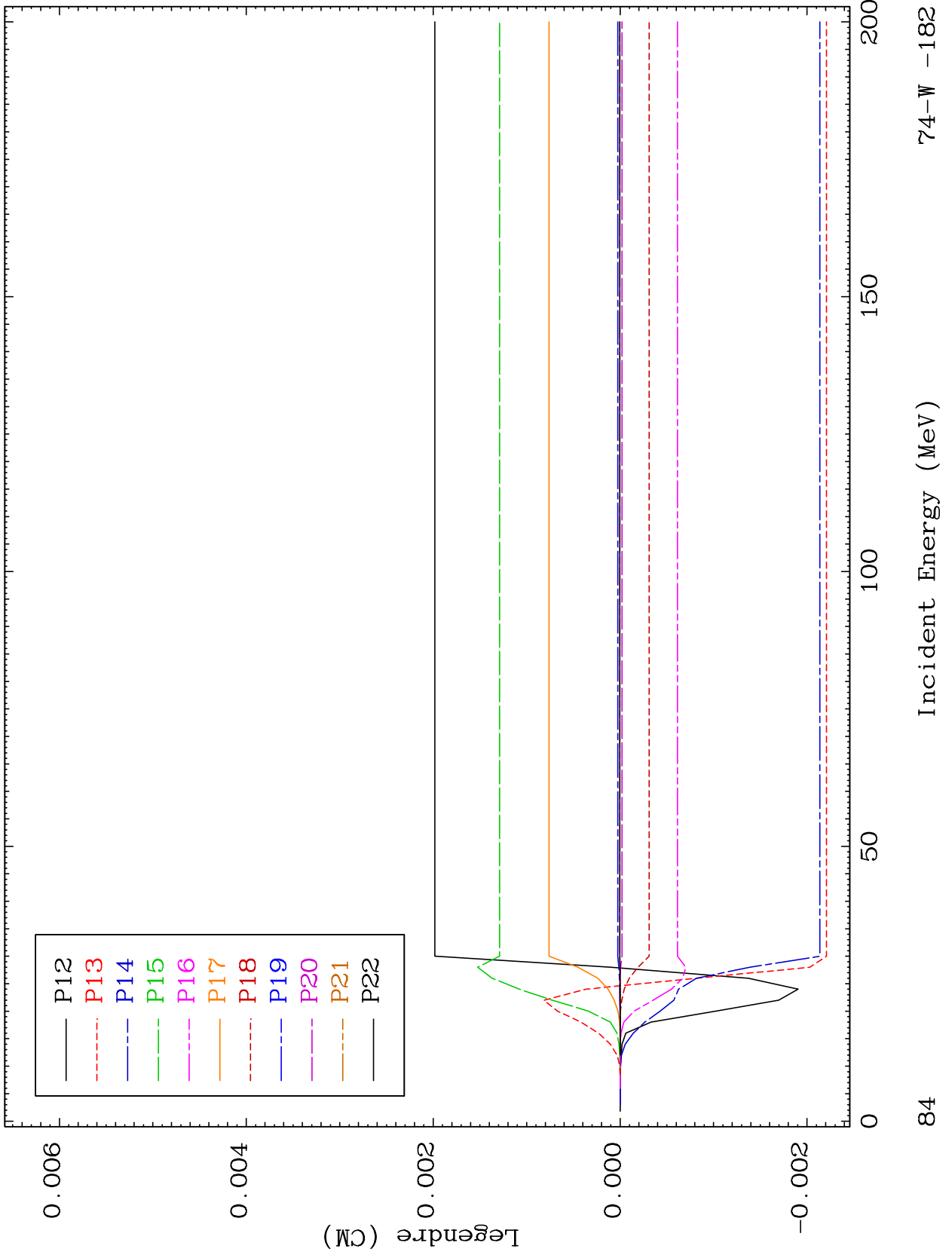
74-W -182



MAT 7431

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

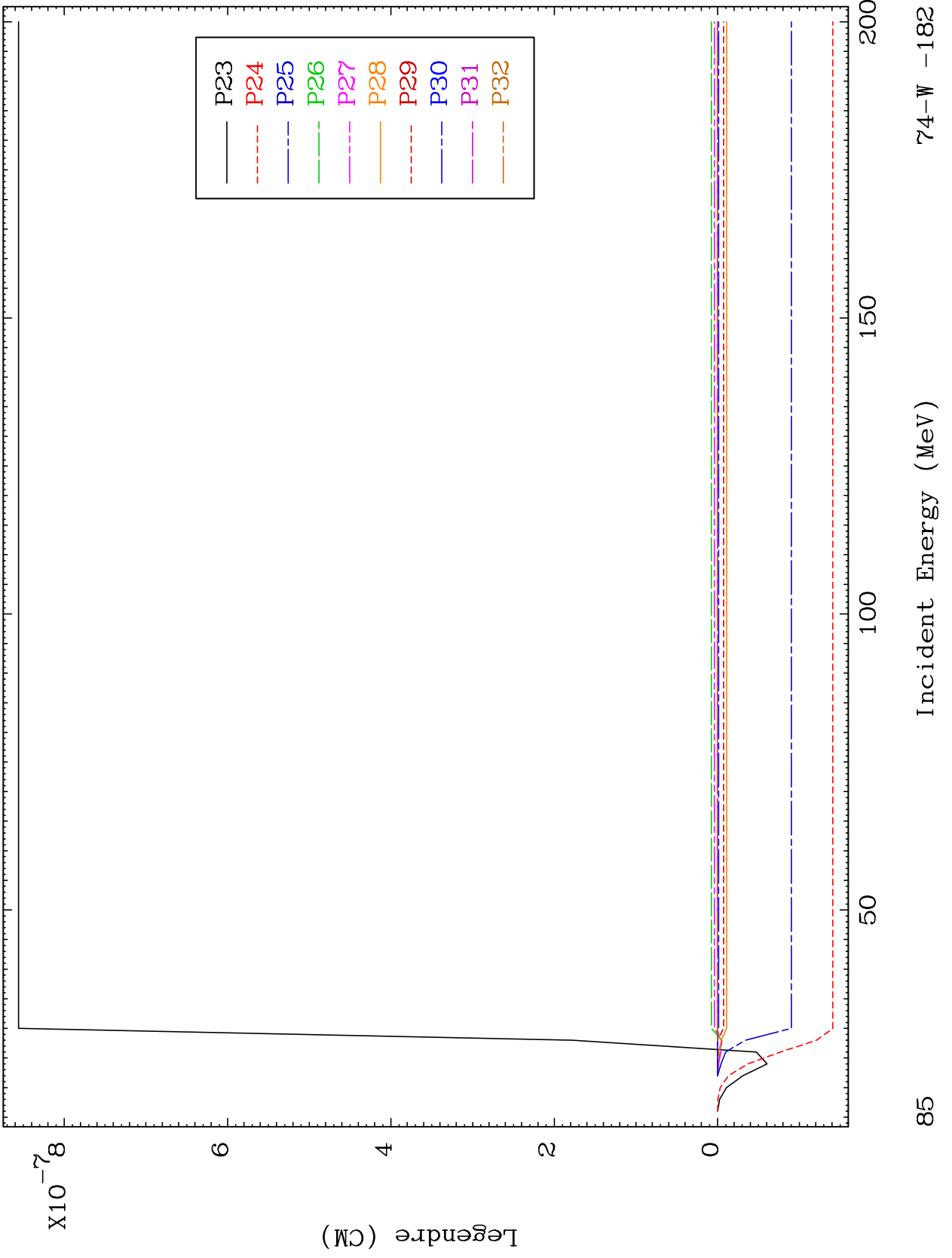
74-W -182

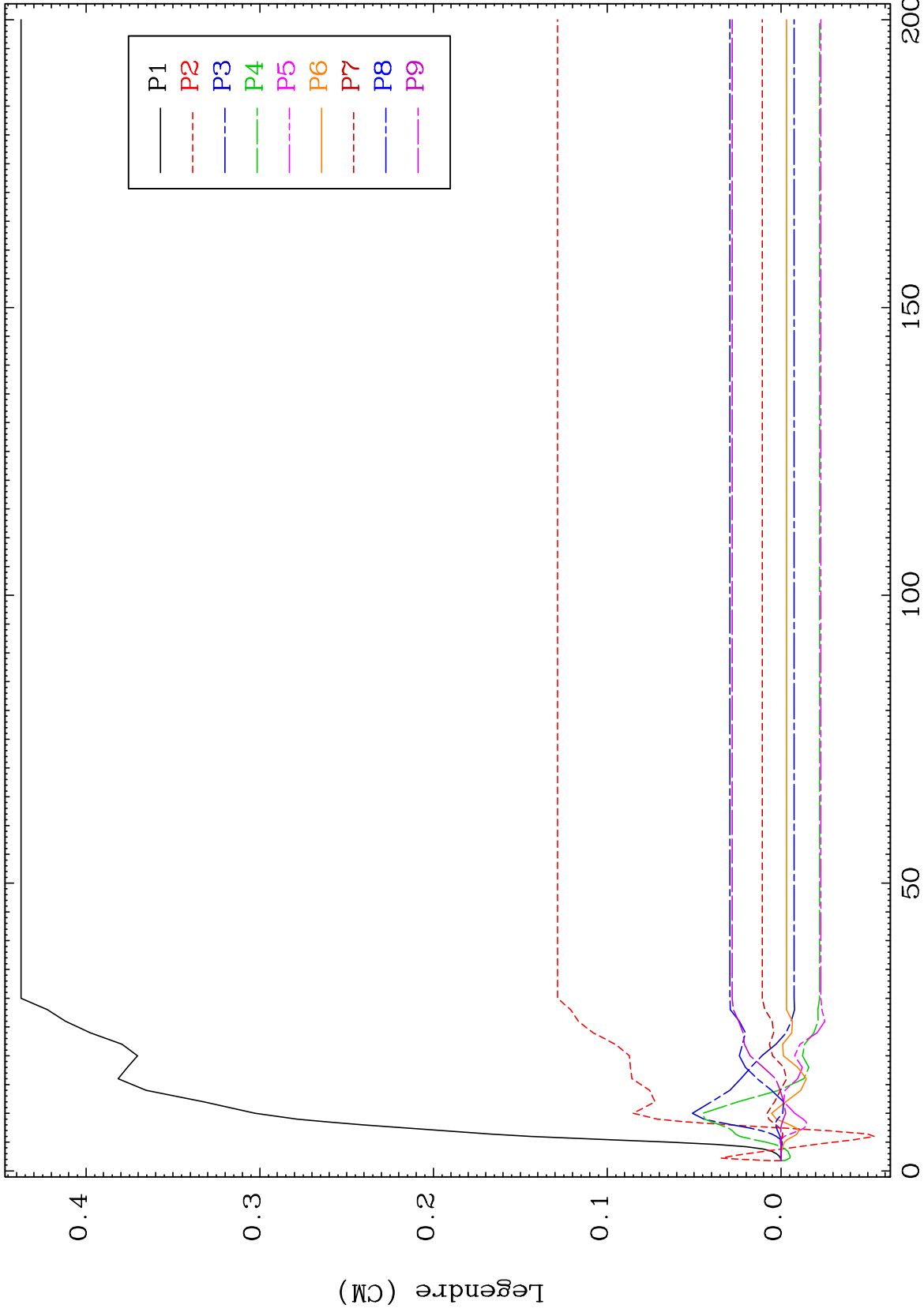


84

Incident Energy (MeV)

74-W -182

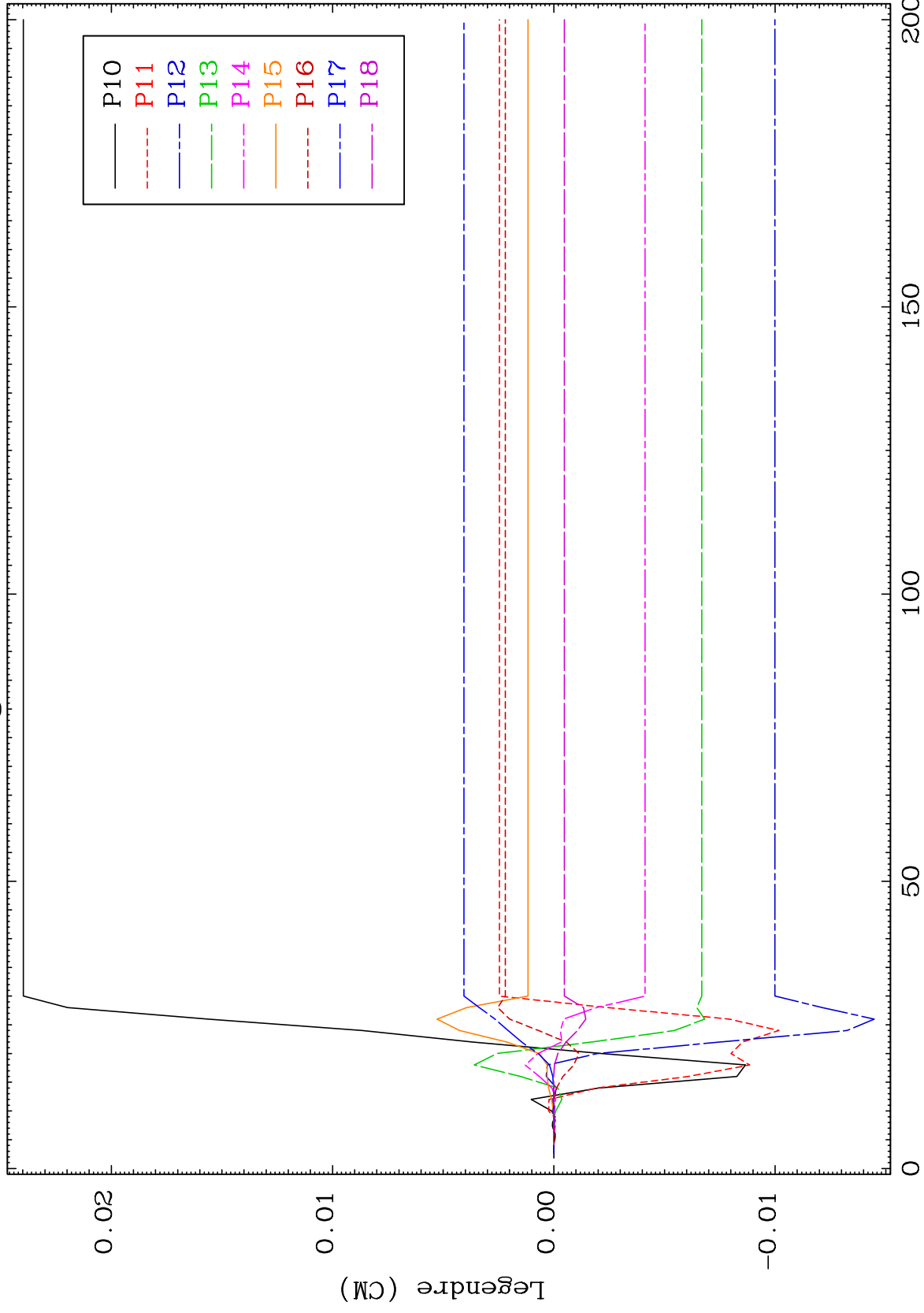




MAT 7431

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

74-W -182

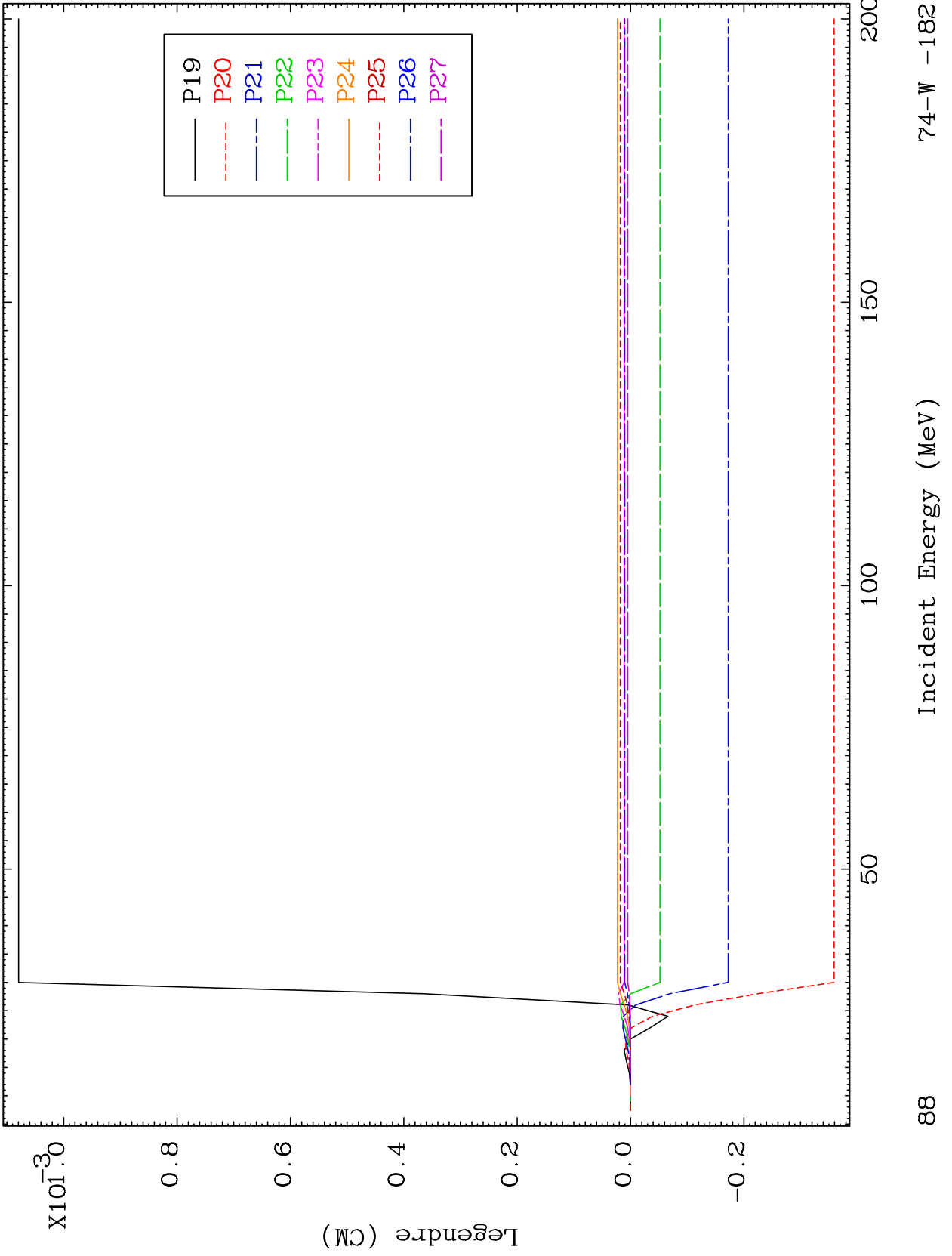


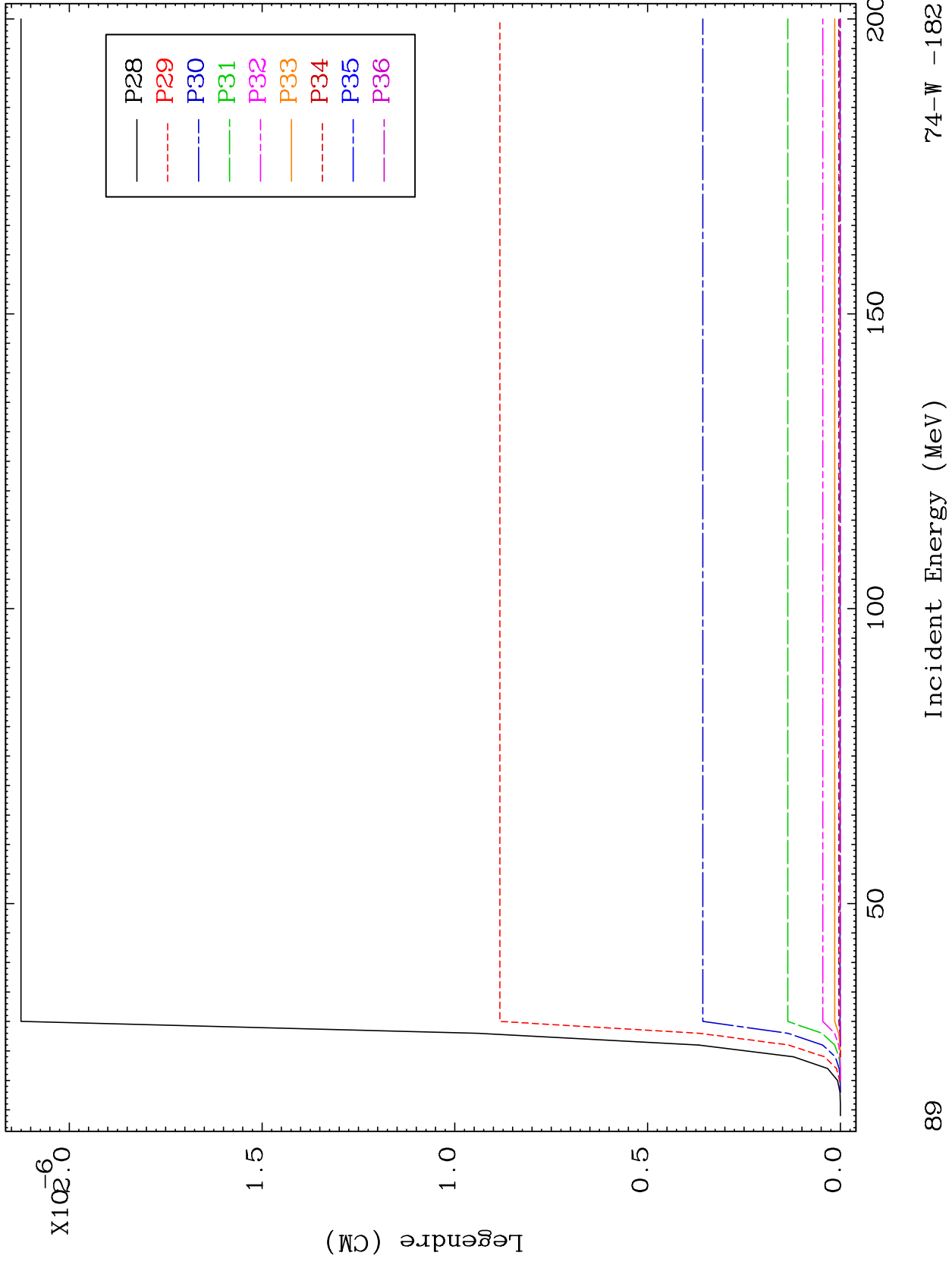
87

Incident Energy (MeV)

74-W -182



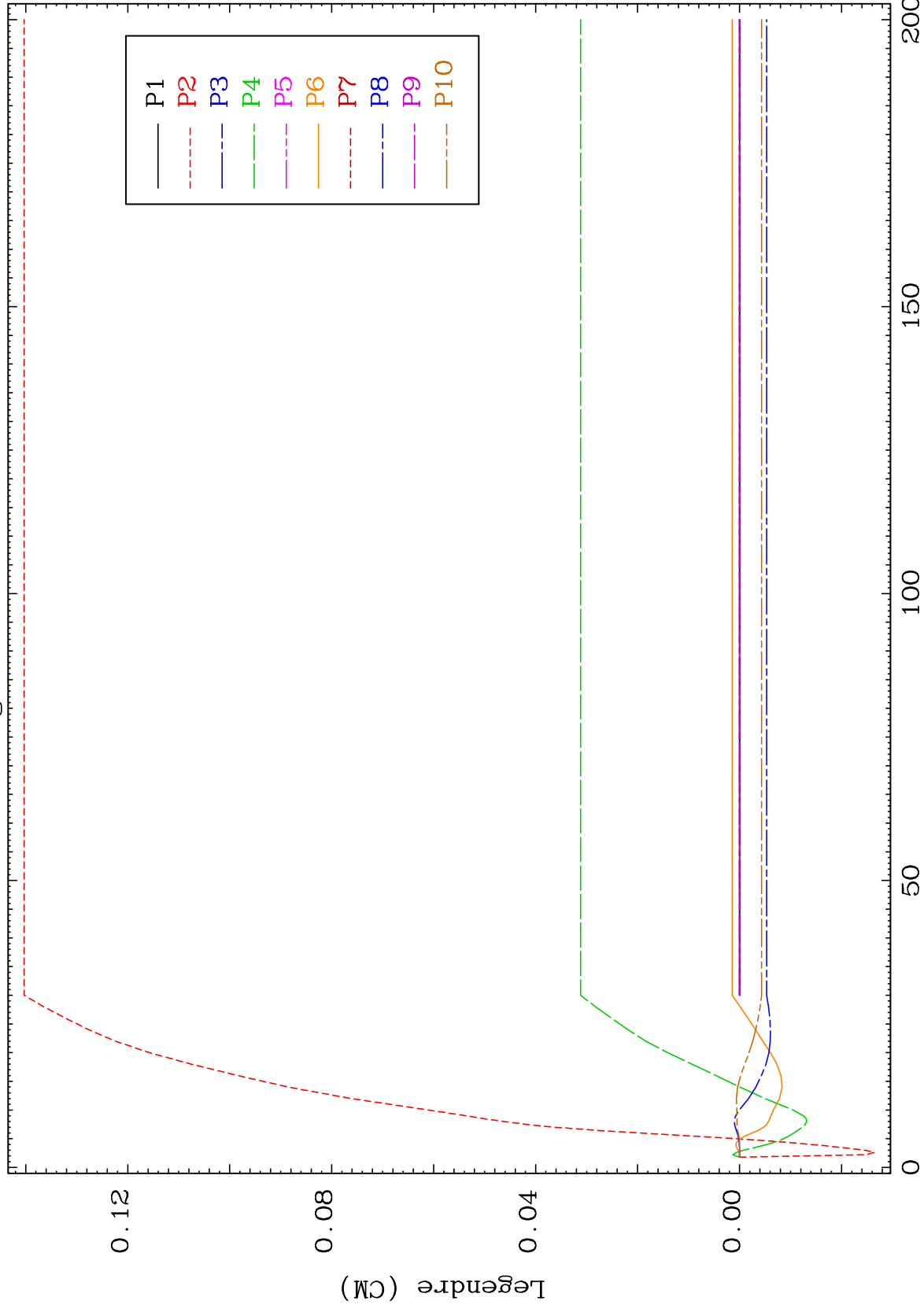




MAT 7431

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

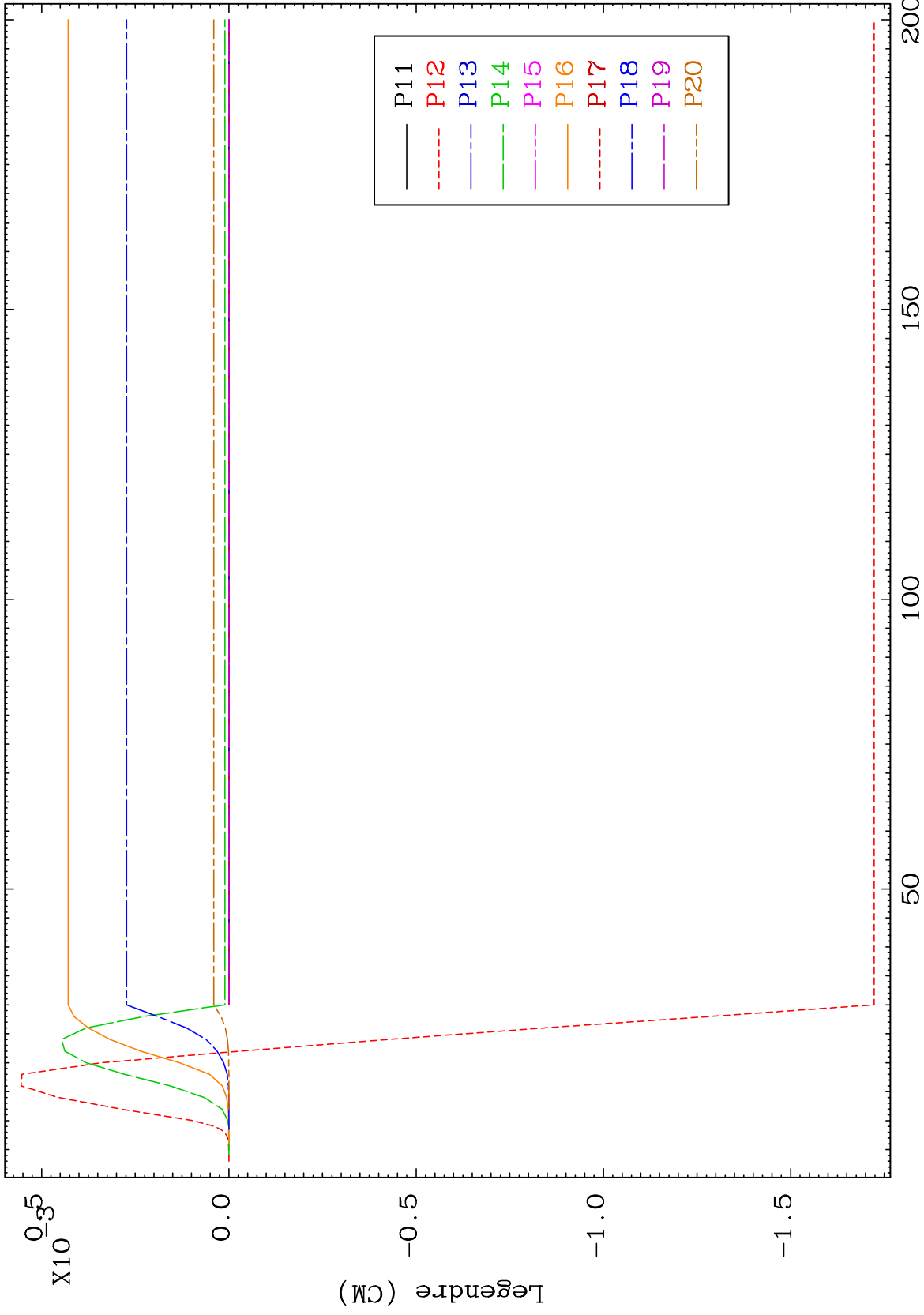
74-W -182



74-W -182

Incident Energy (MeV)

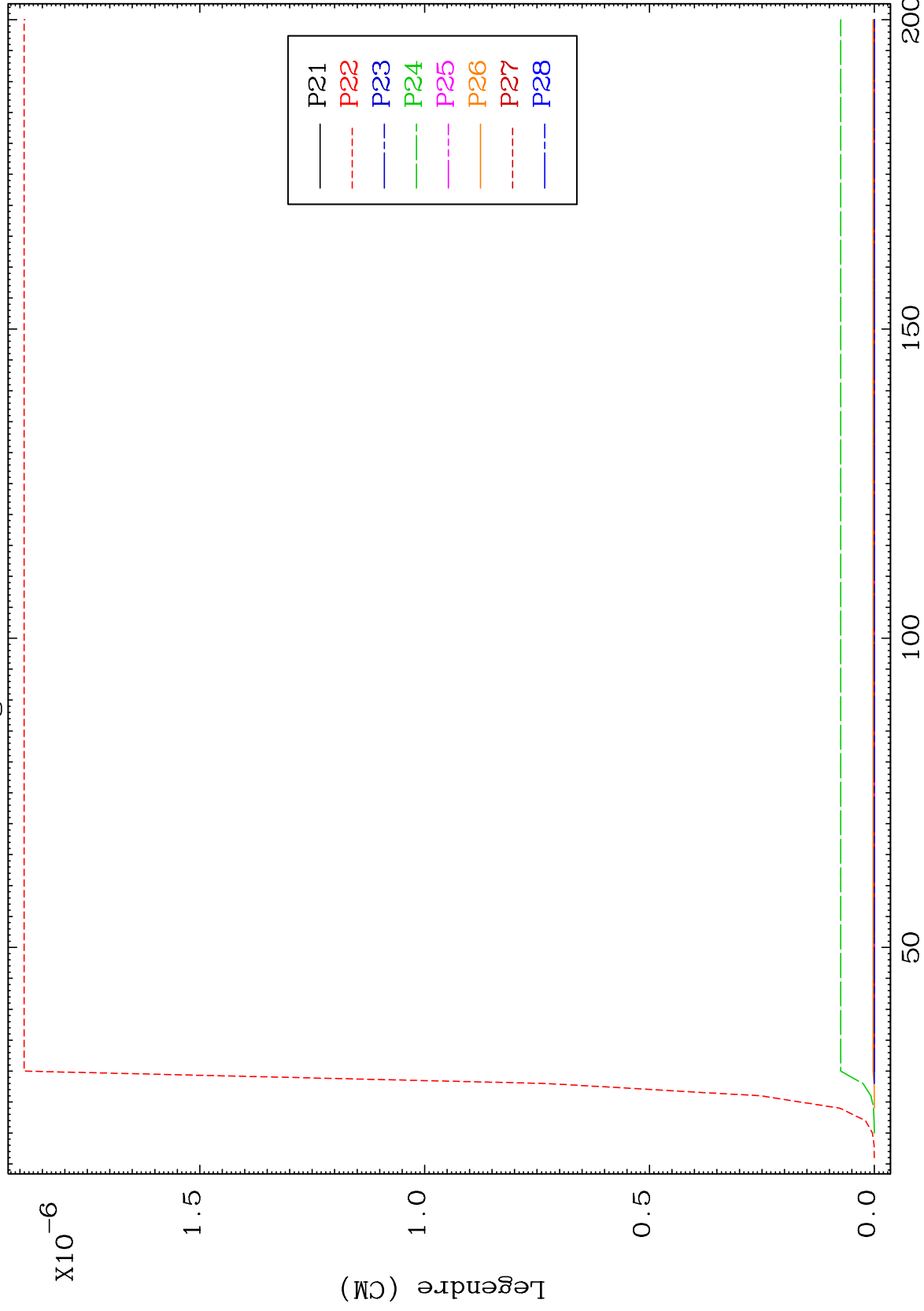
90



MAT 7431

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

74-W -182

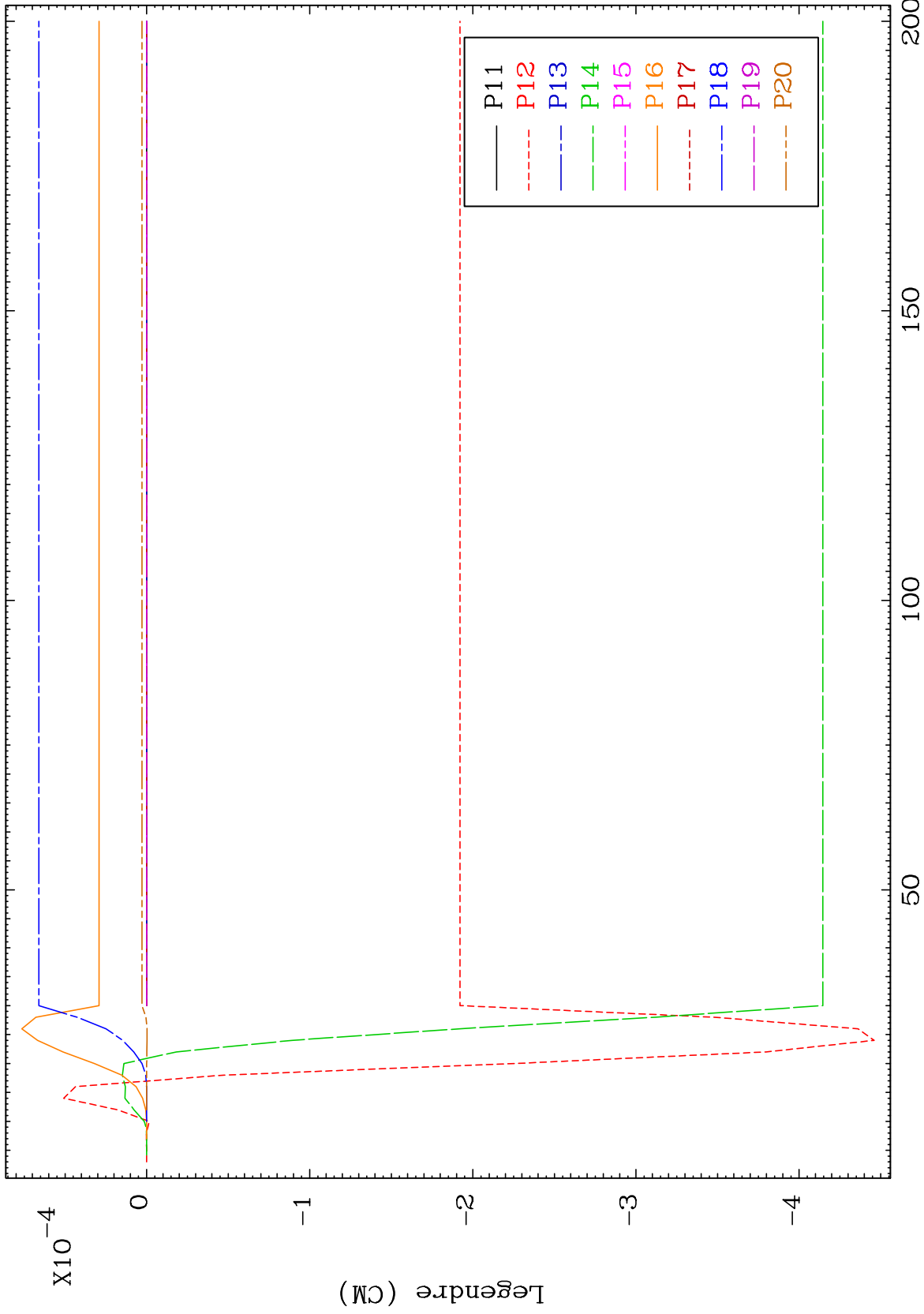


92

Incident Energy (MeV)

74-W -182

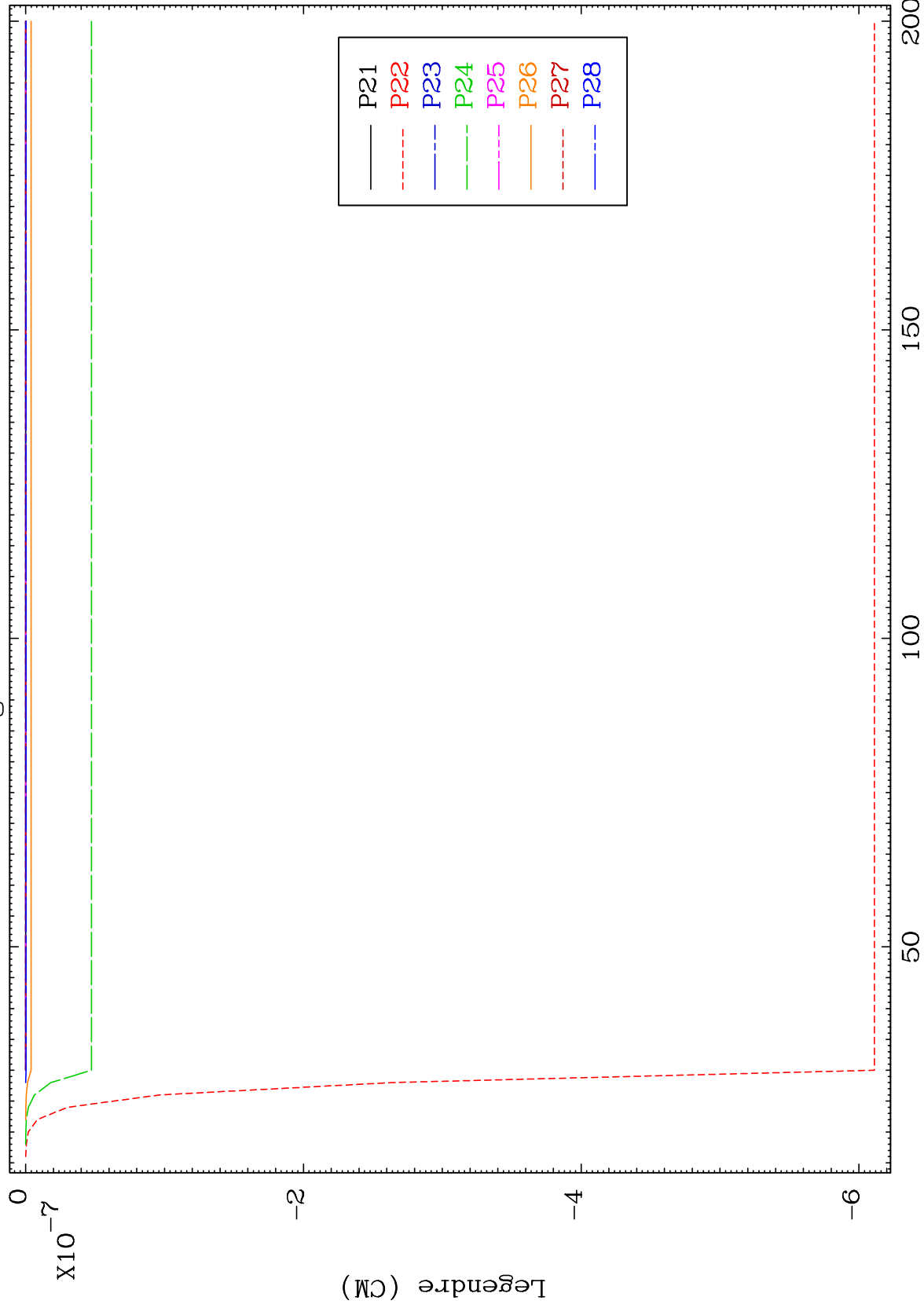




MAT 7431

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

74-W -182

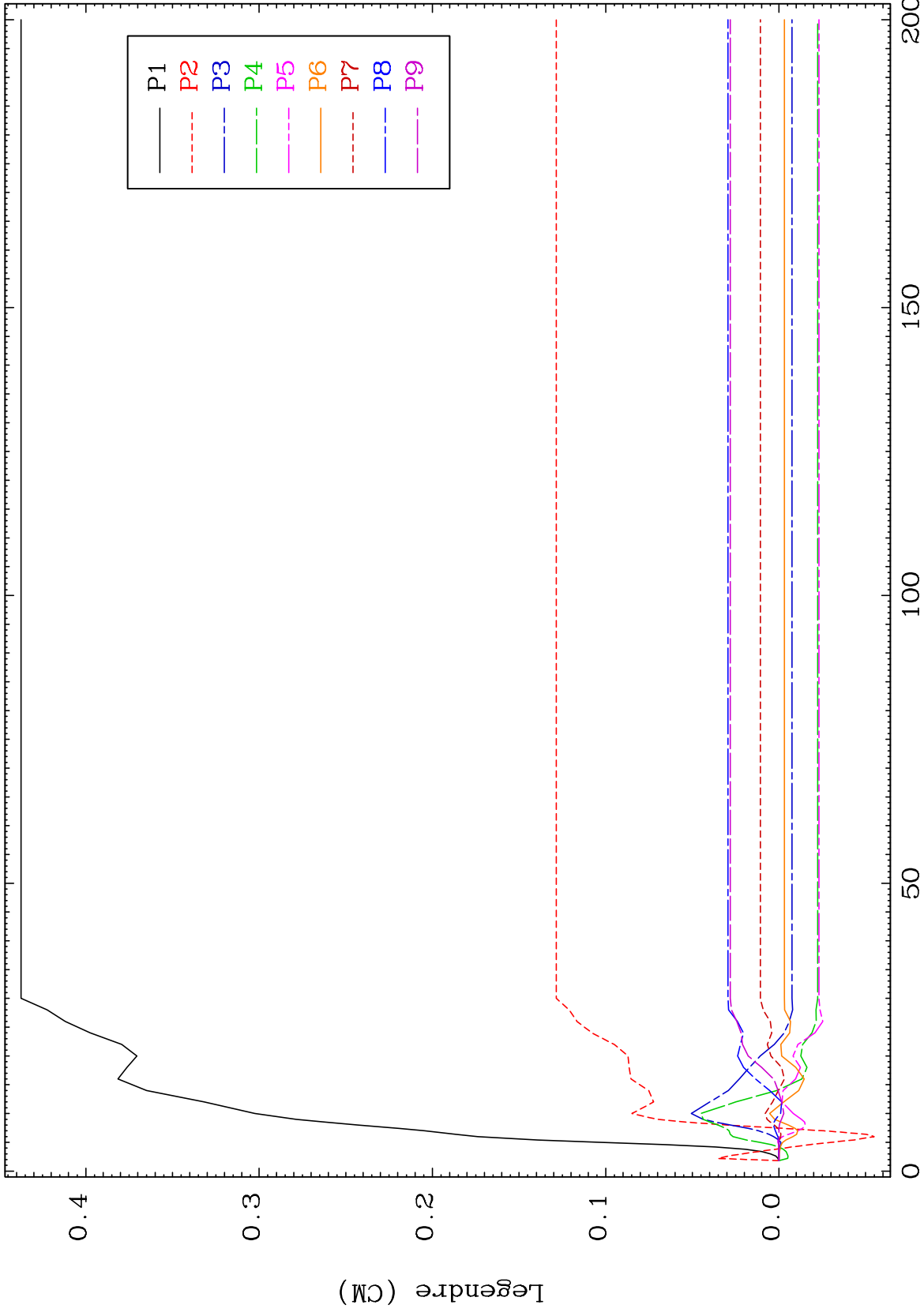


95

Incident Energy (MeV)

74-W -182

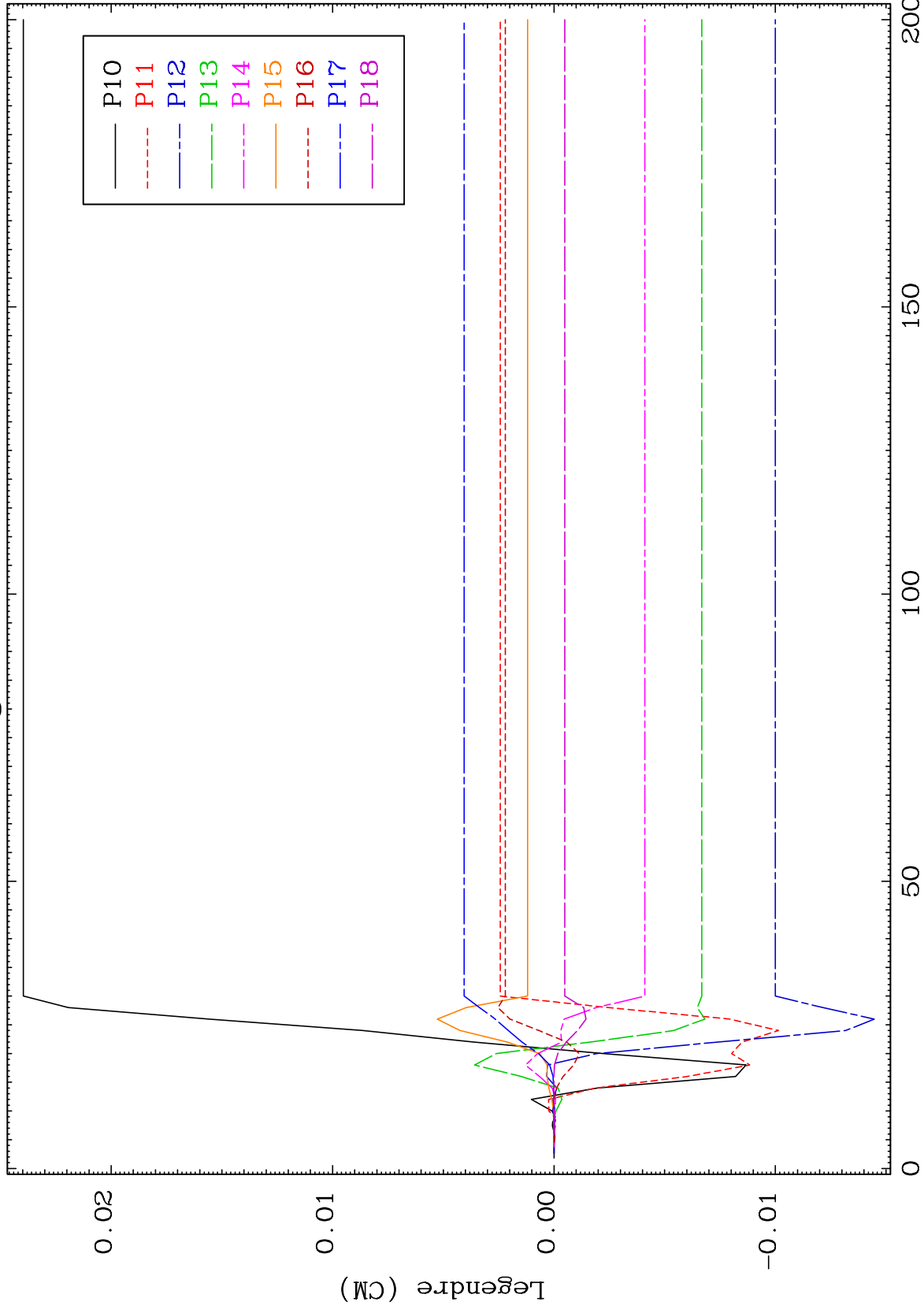




MAT 7431

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

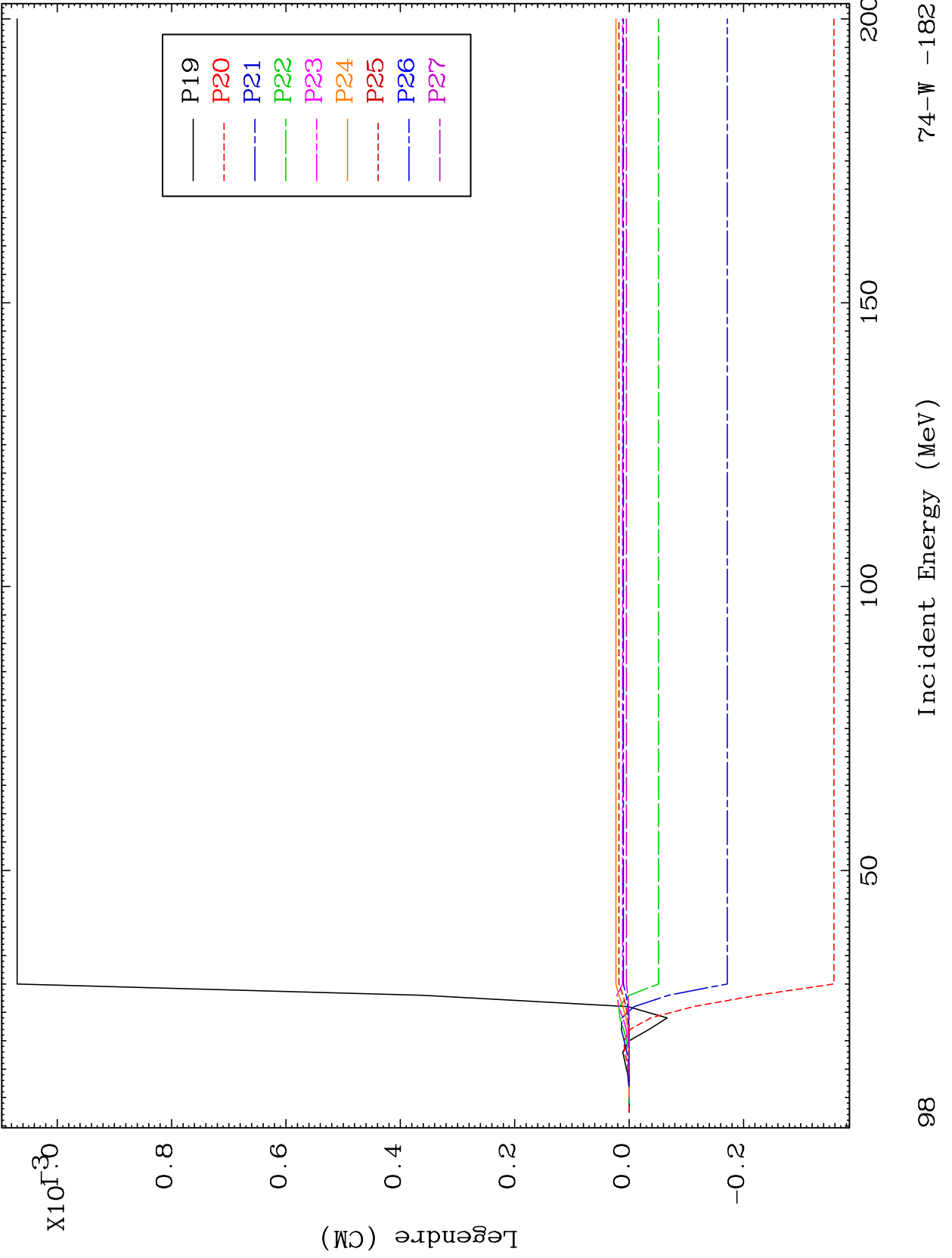
74-W -182

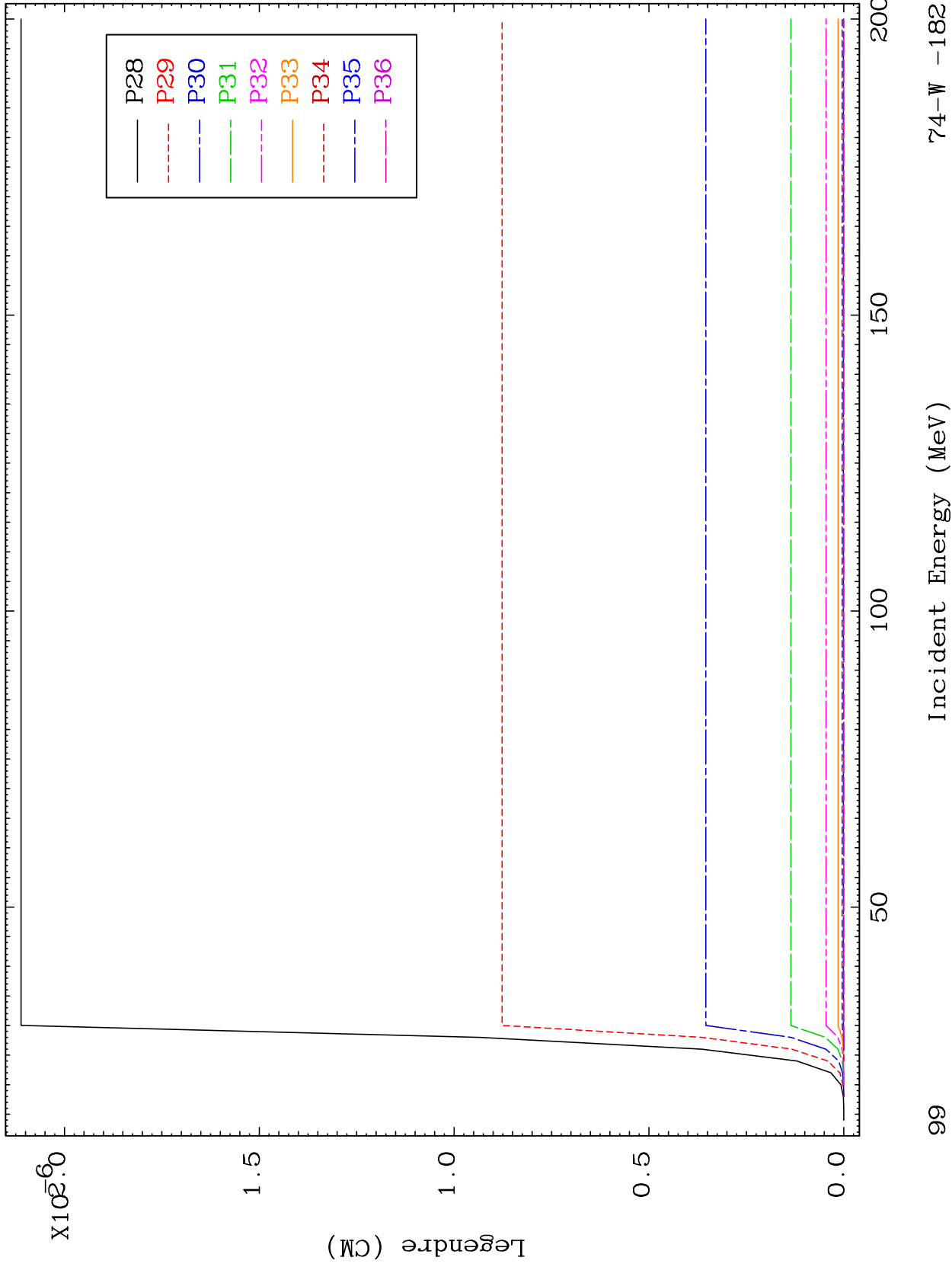


97

Incident Energy (MeV)

74-W -182



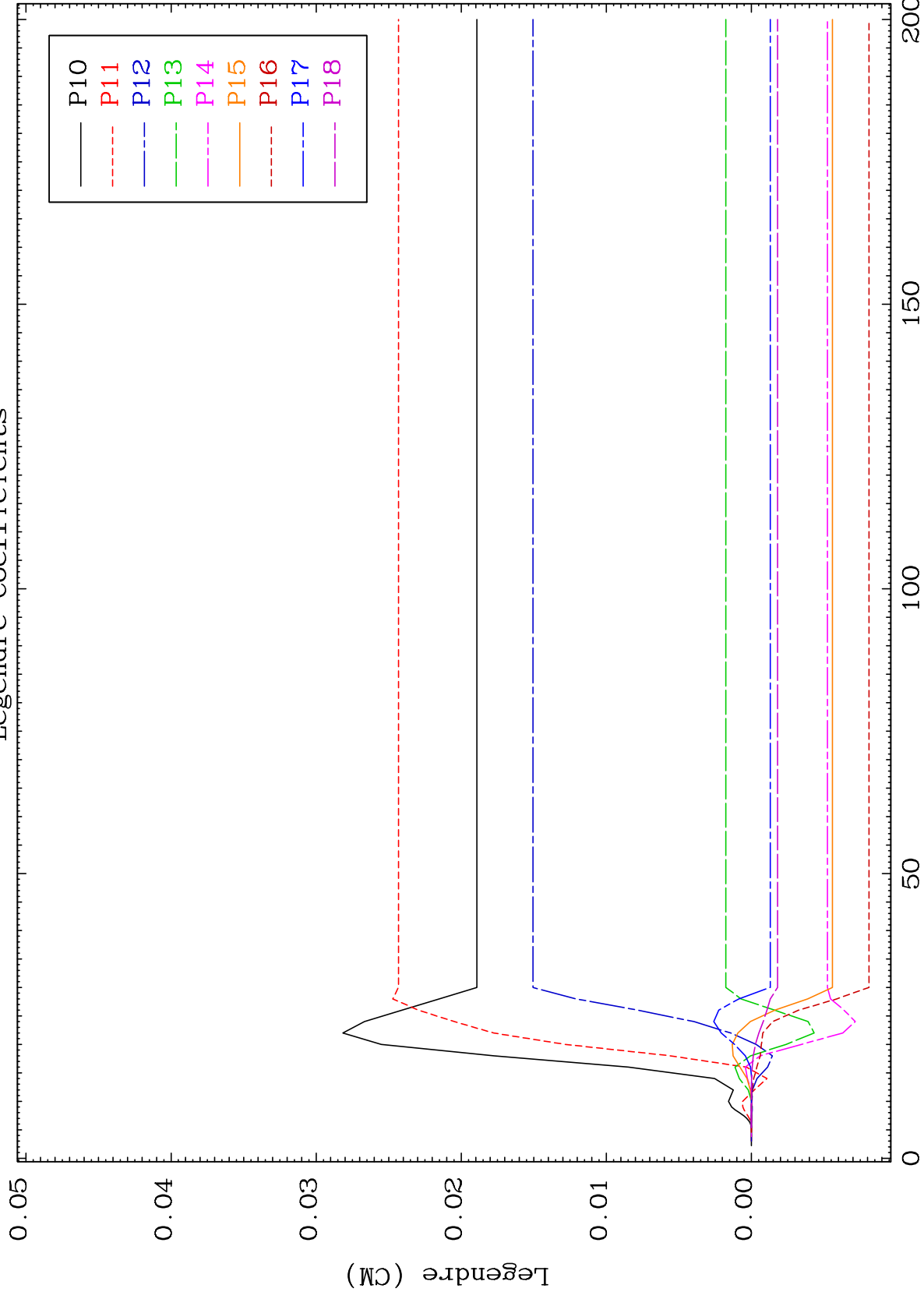




MAT 7431

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

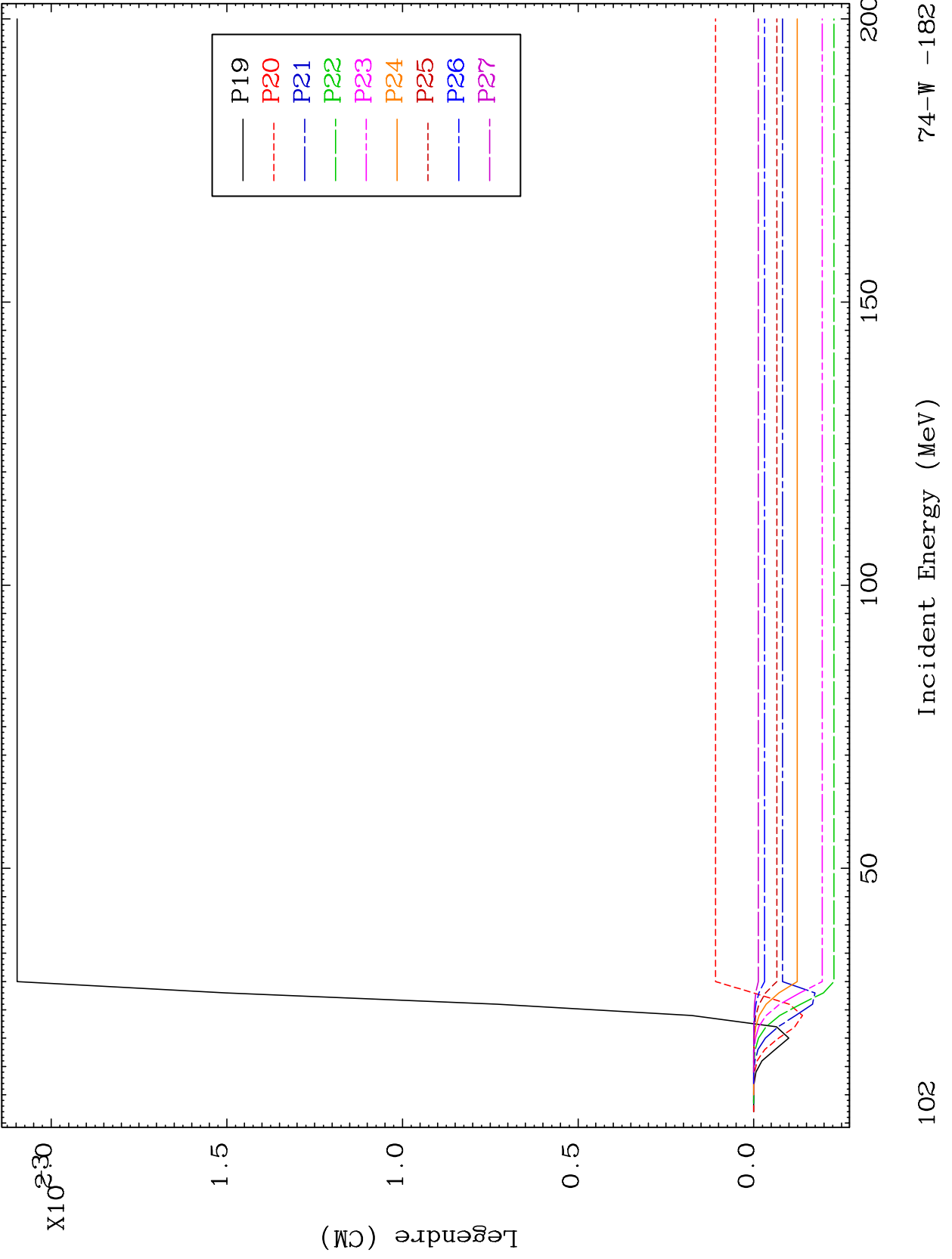
74-W -182



101

Incident Energy (MeV)

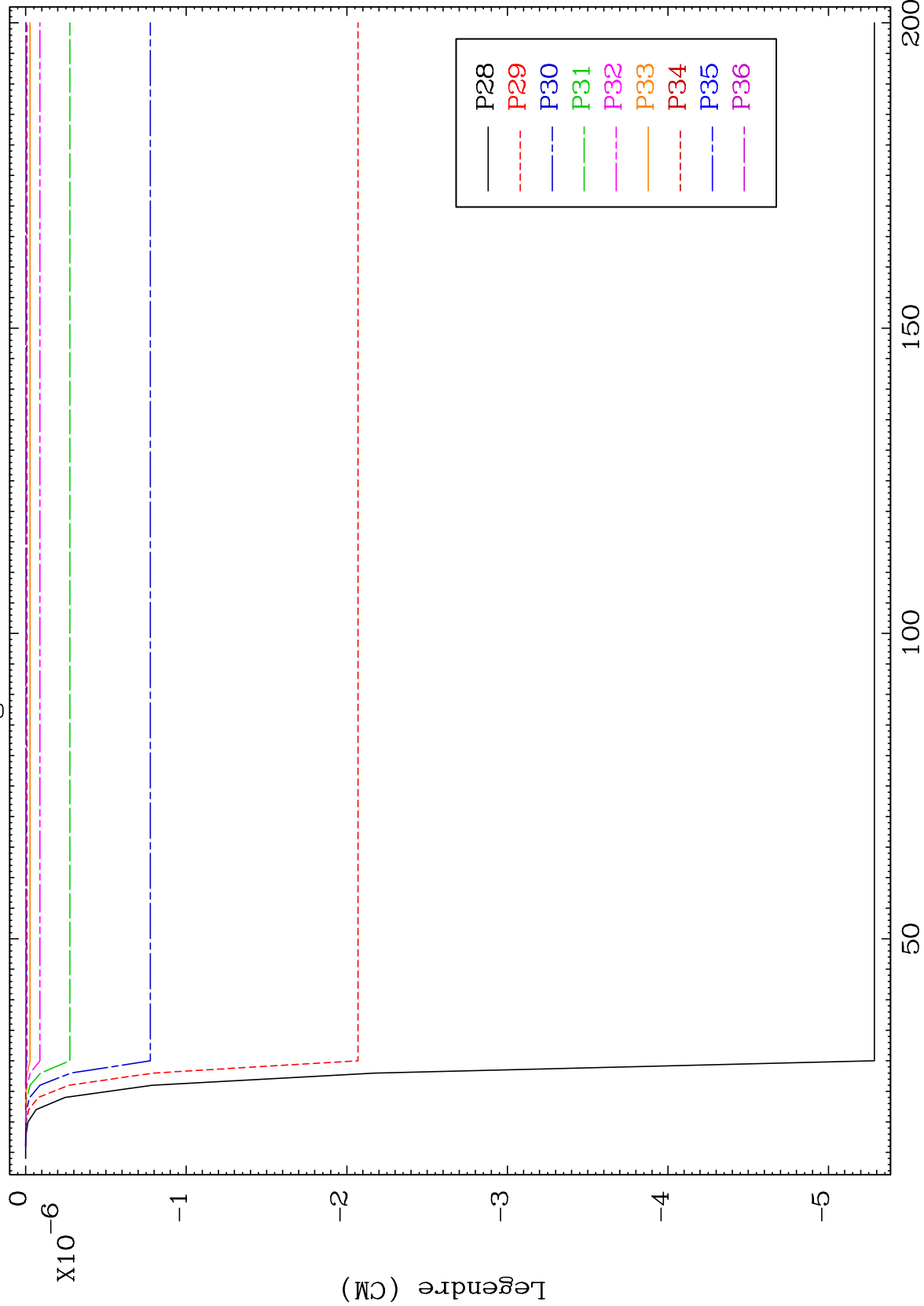
74-W -182



MAT 7431

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

74-W -182



74-W -182

Incident Energy (MeV)

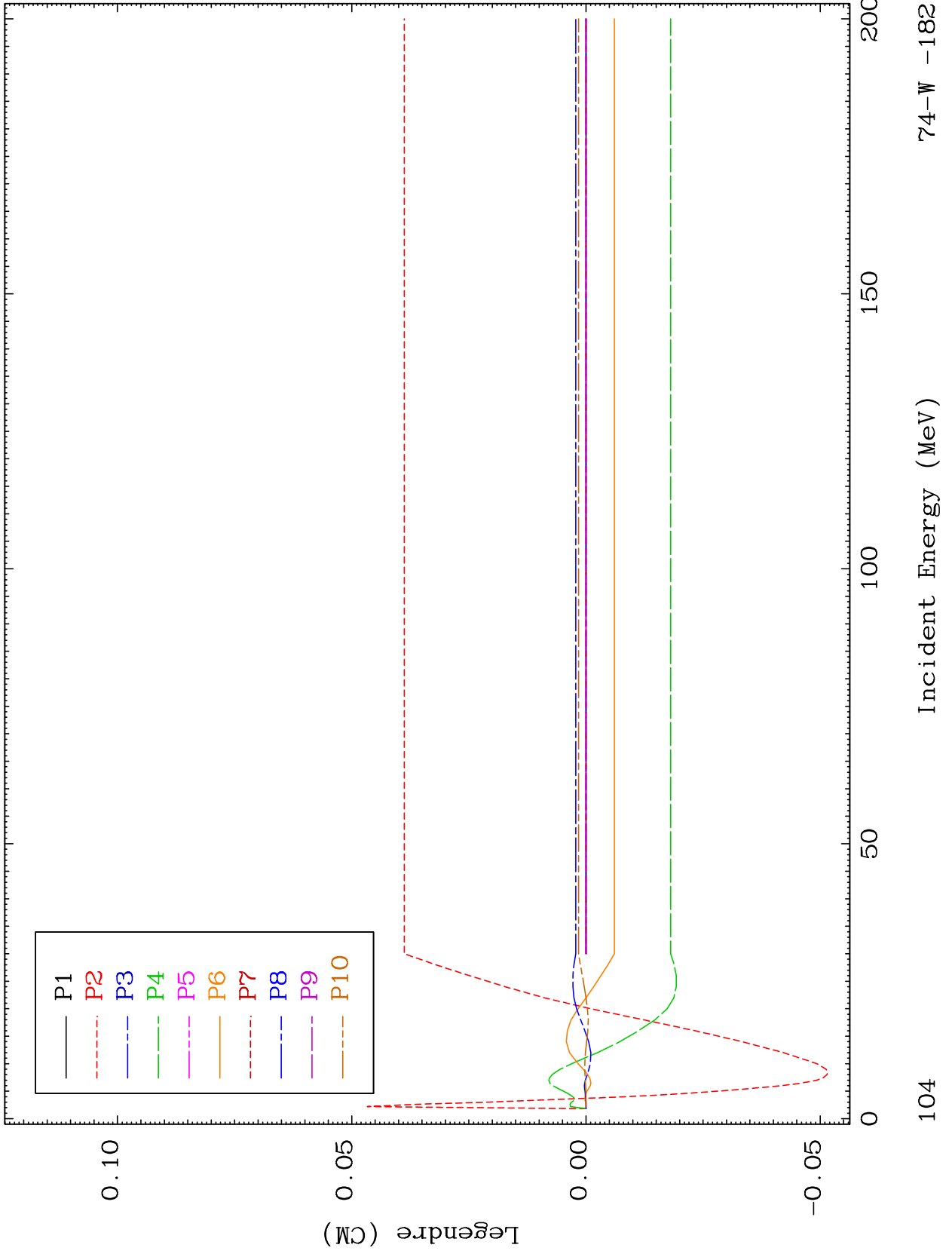
103



MAT 7431

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

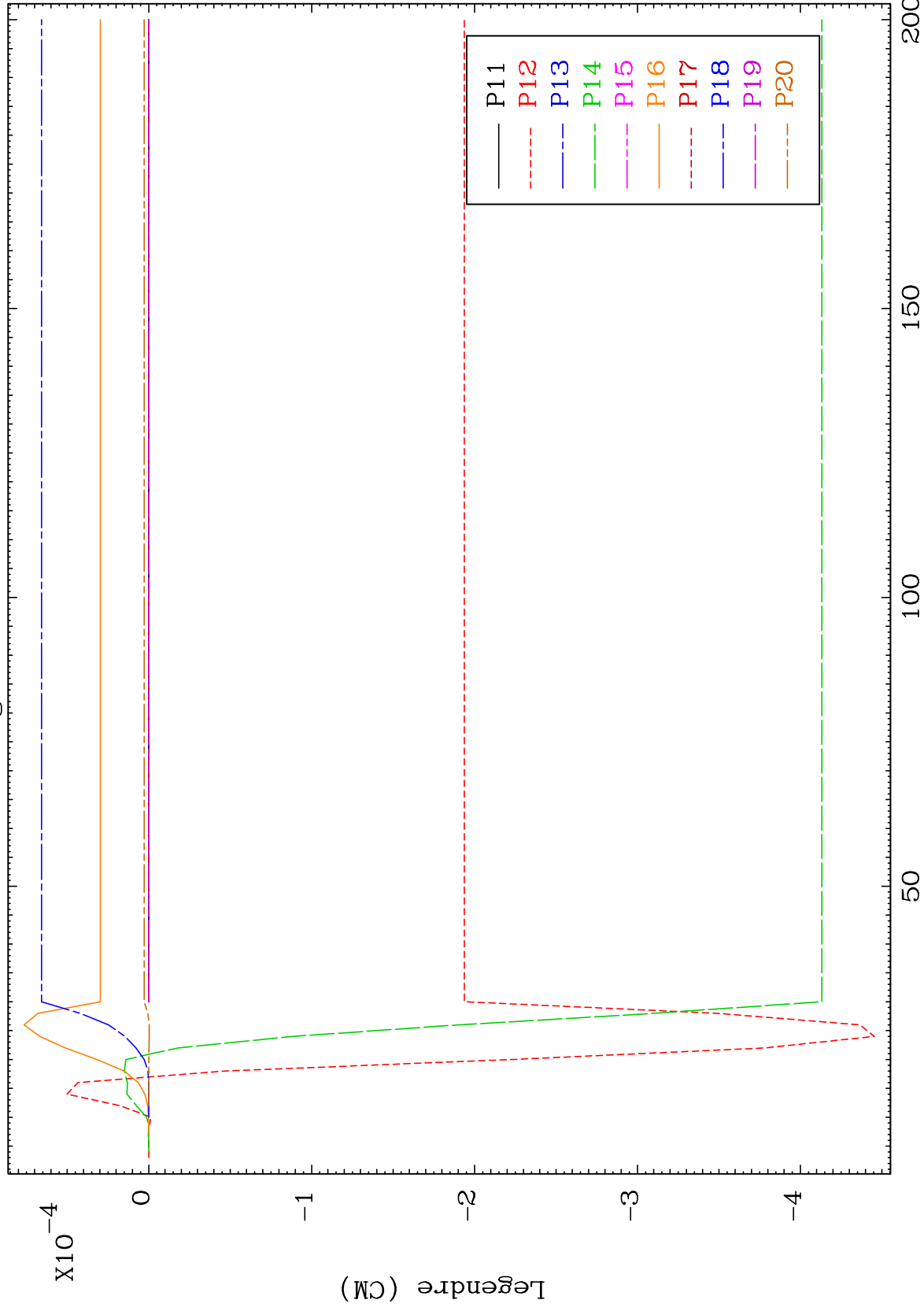
74-W -182



MAT 7431

74-W -182

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



105

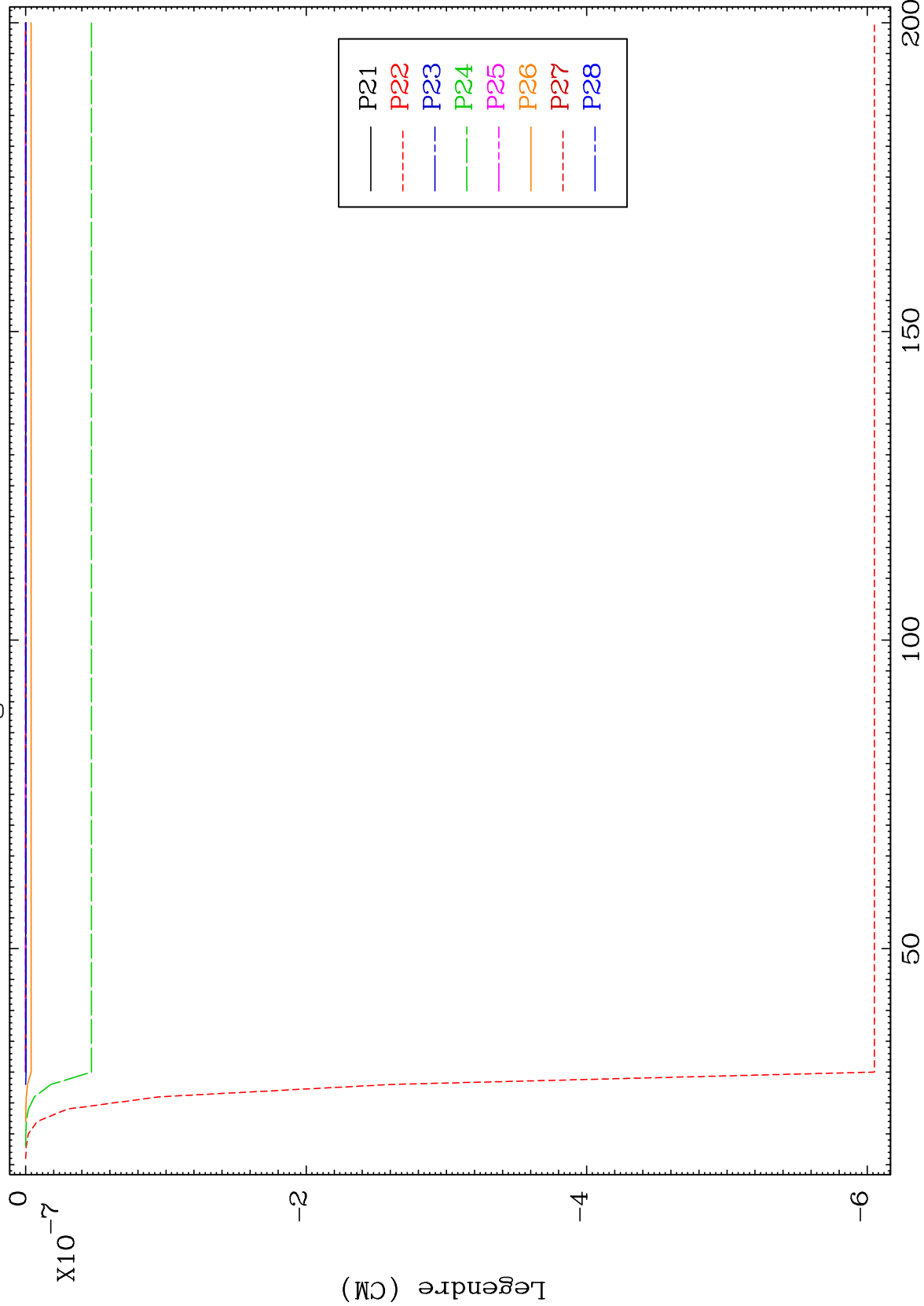
Incident Energy (MeV)

74-W -182

MAT 7431

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

74-W -182



74-W -182

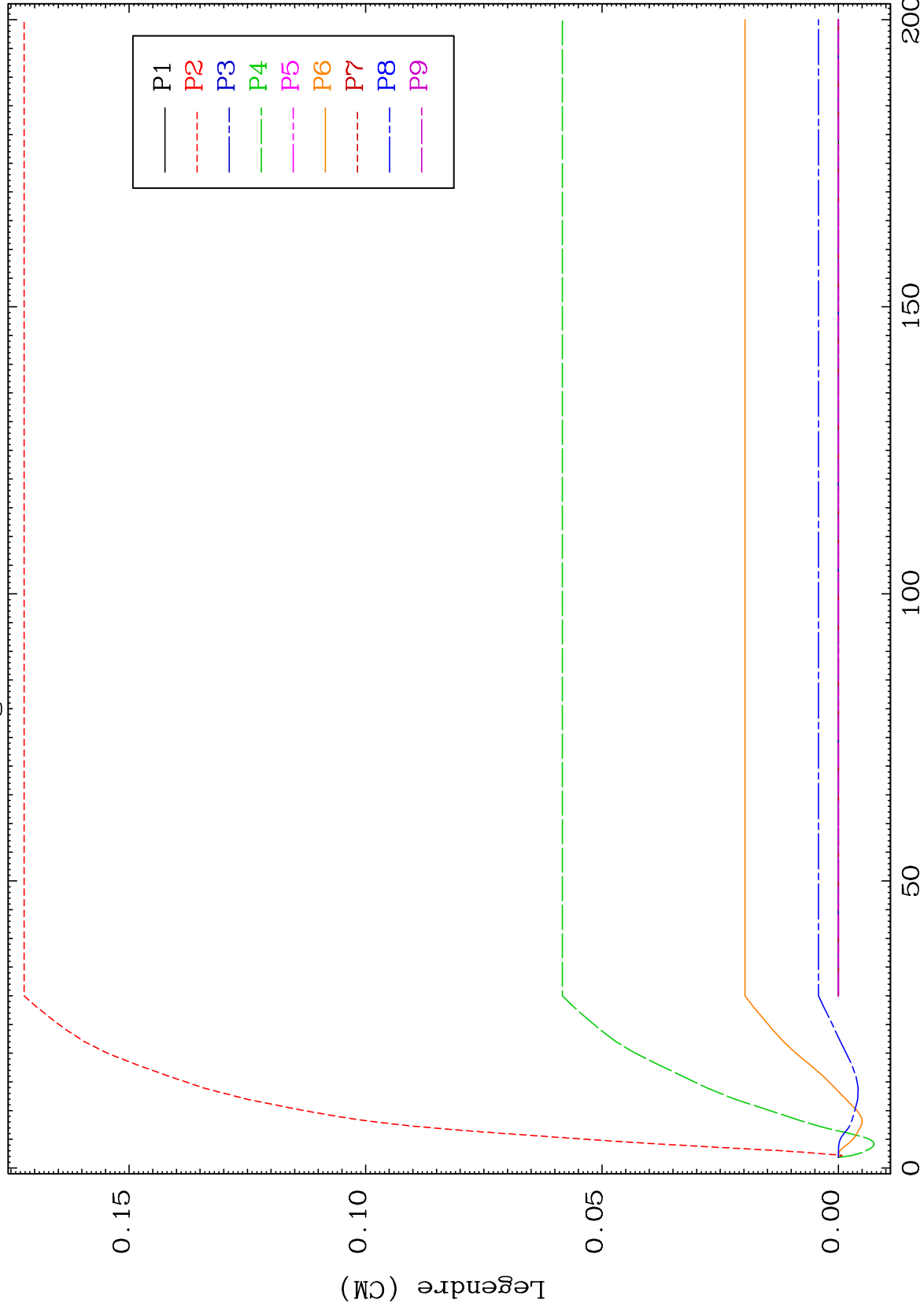
Incident Energy (MeV)

106

MAT 7431

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

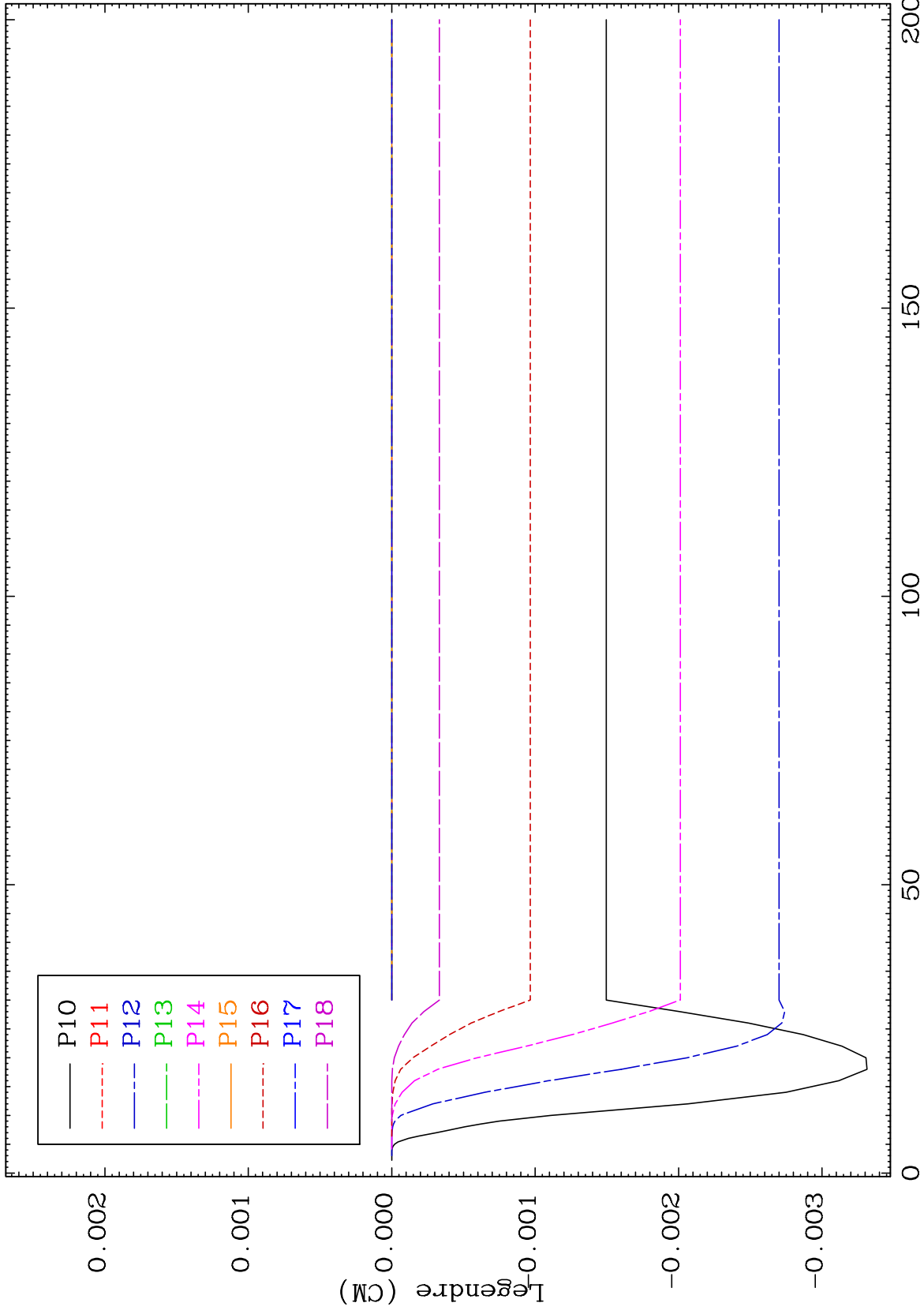
74-W -182

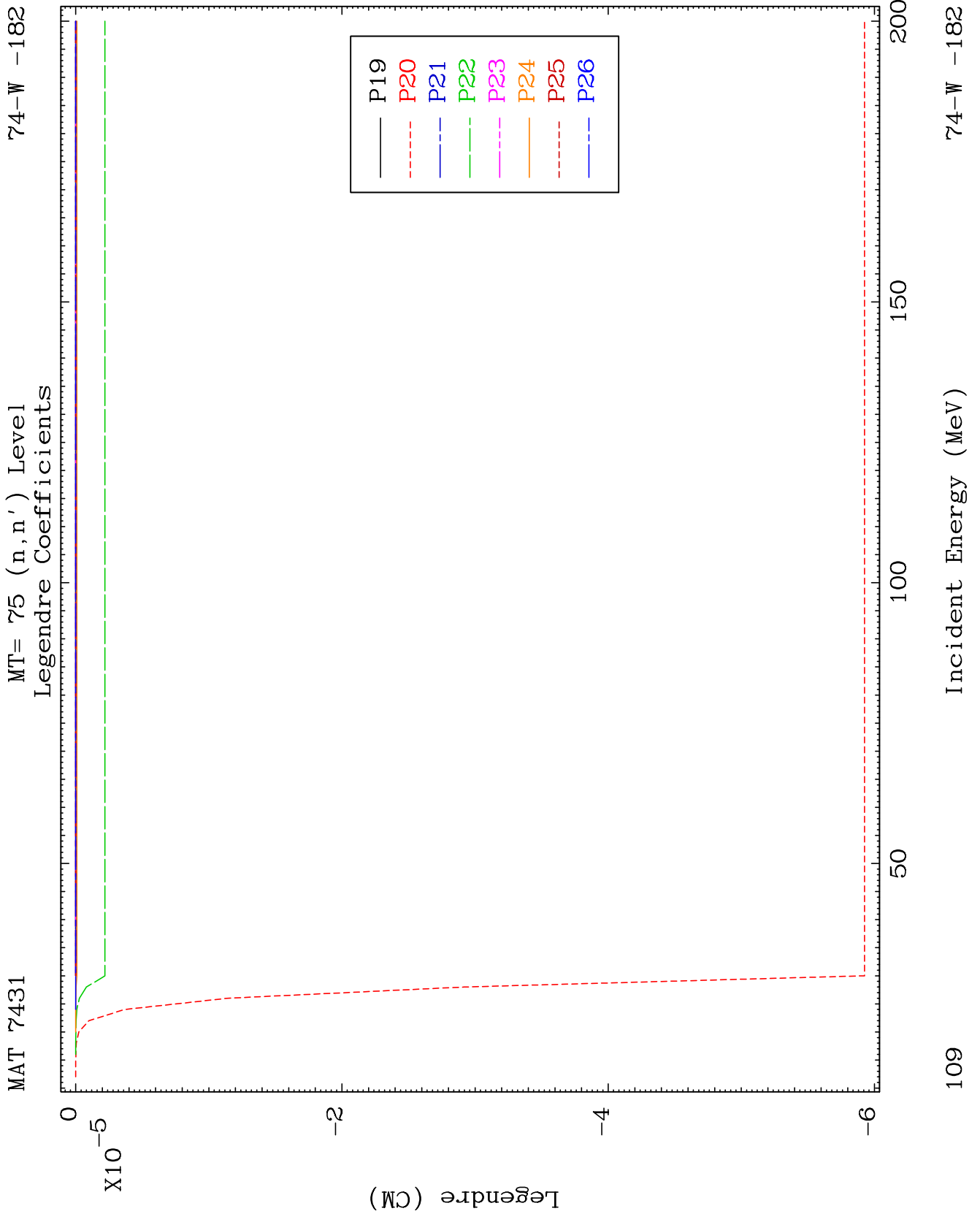


107

Incident Energy (MeV)

74-W -182

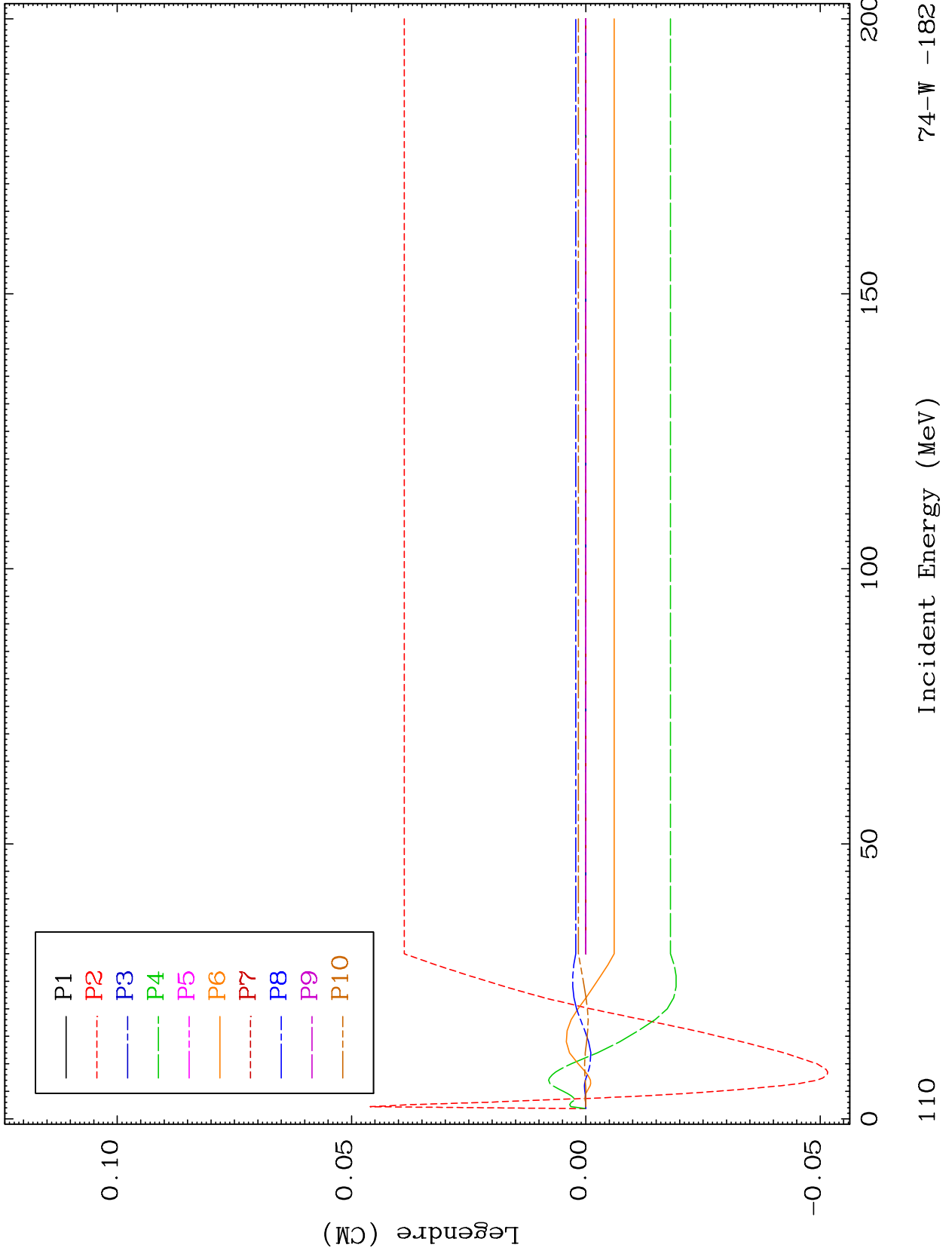




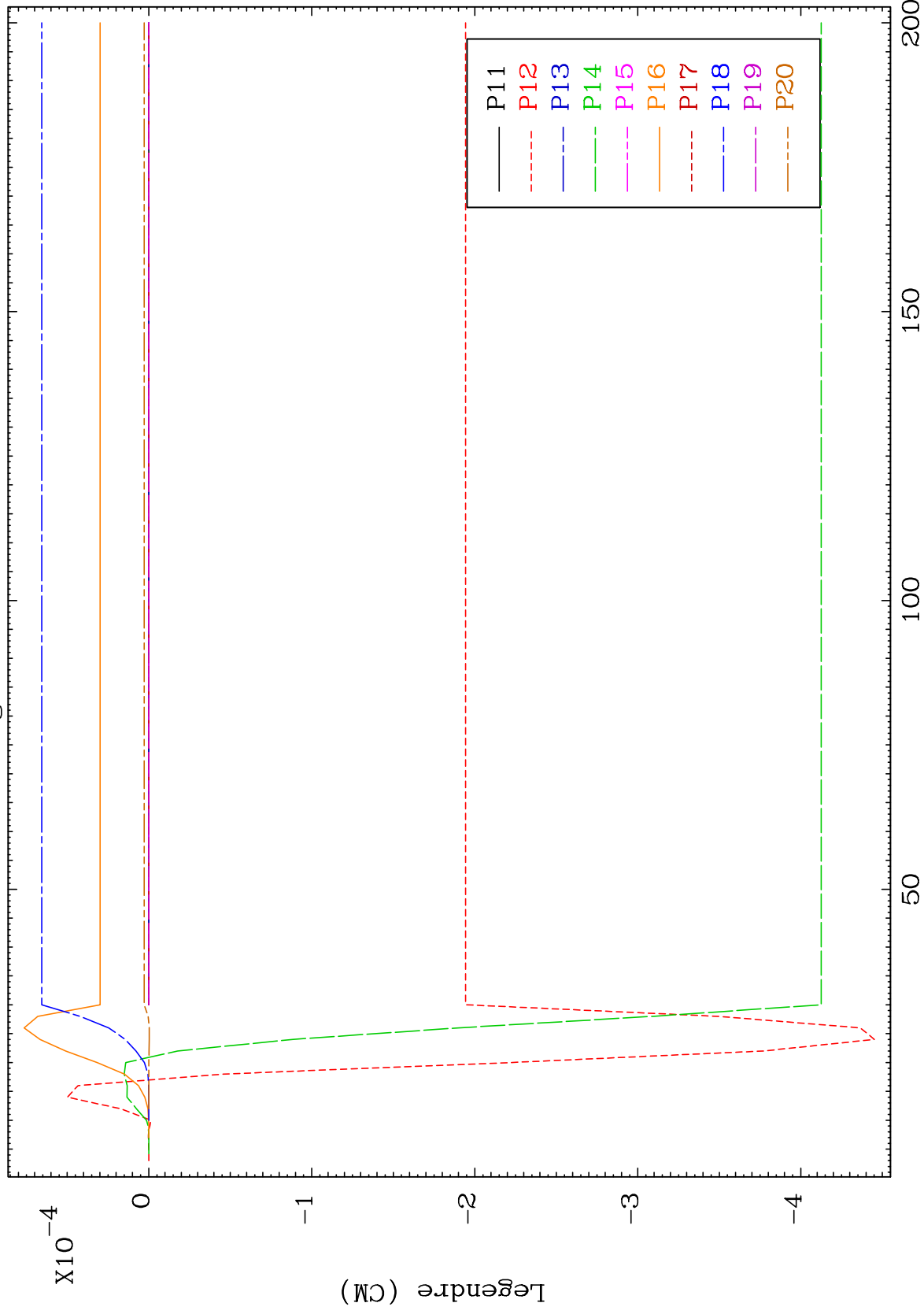
MAT 7431

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

74-W -182



Legendre Coefficients

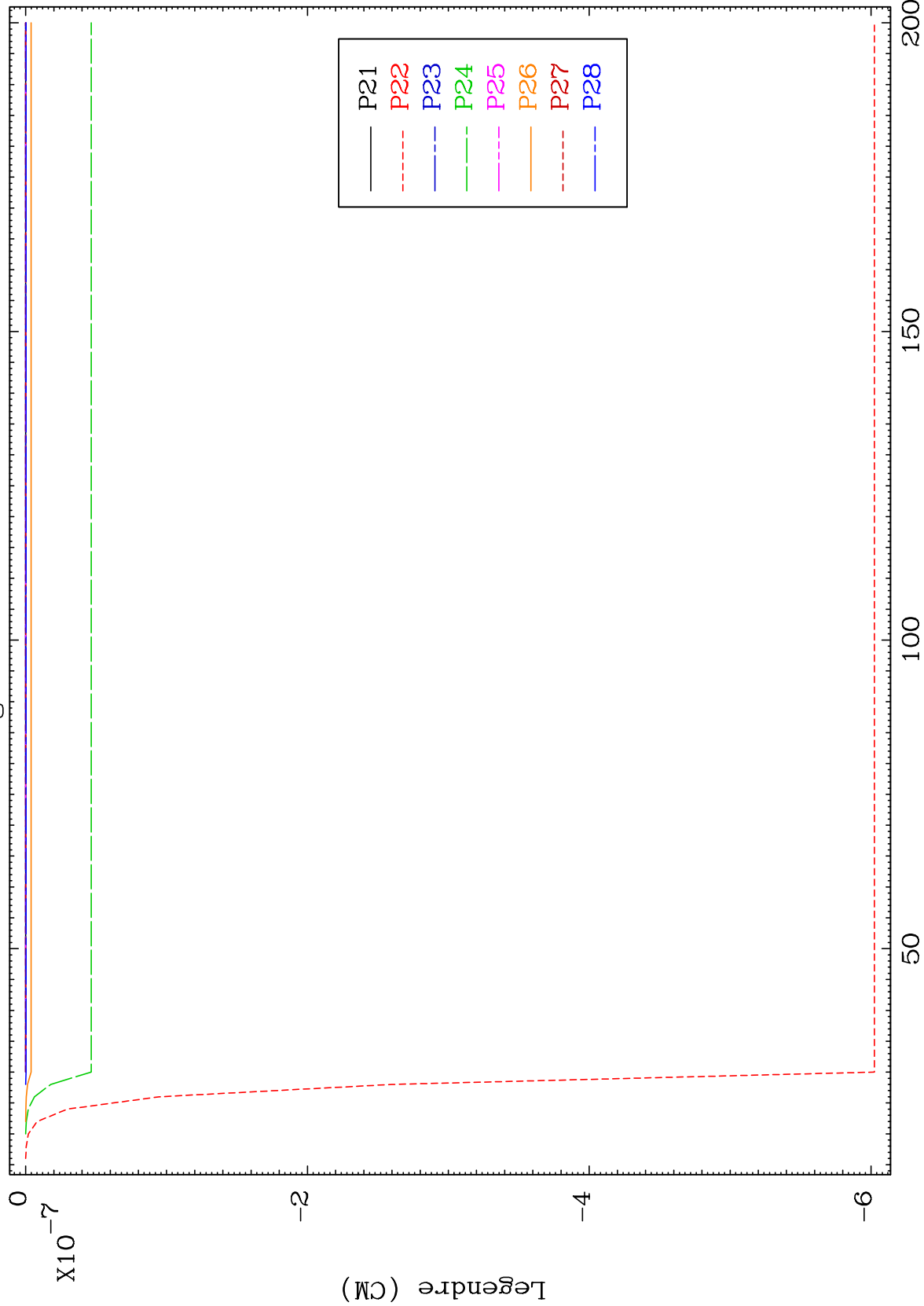




MAT 7431

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

74-W -182



74-W -182

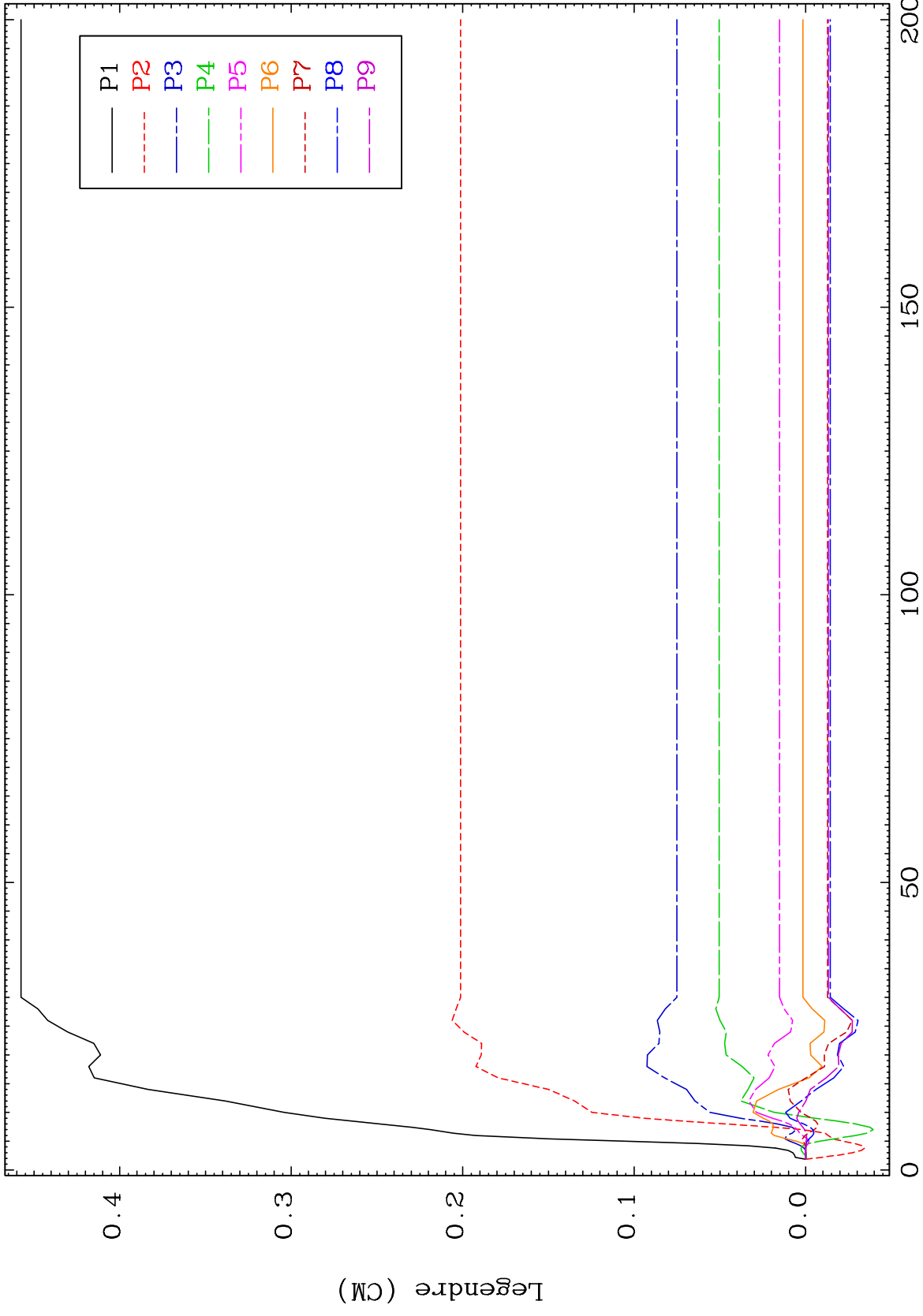
Incident Energy (MeV)

112

MAT 7431

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

74-W -182



113

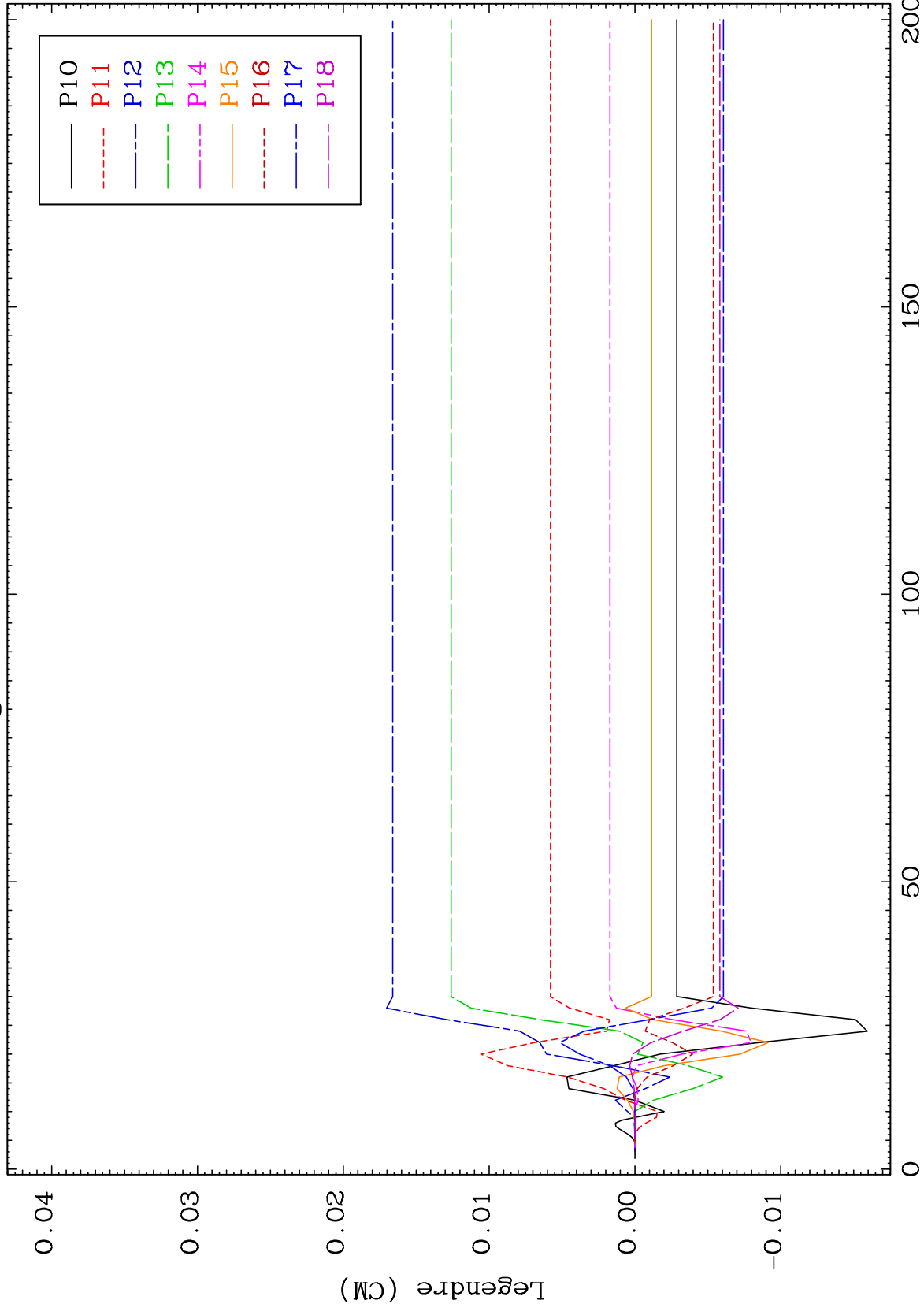
Incident Energy (MeV)

74-W -182

MAT 7431

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

74-W -182



114

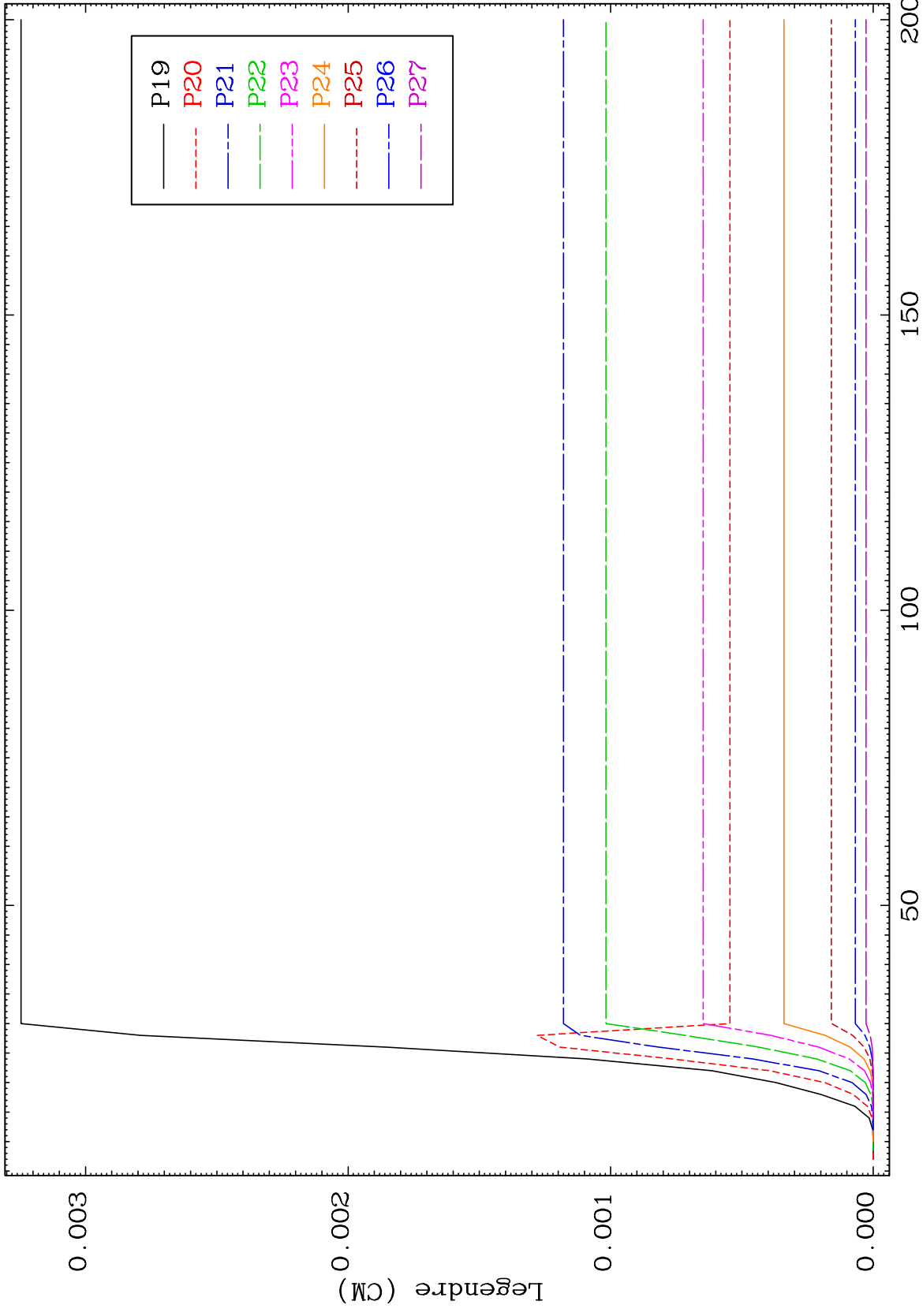
Incident Energy (MeV)

74-W -182

MAT 7431

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

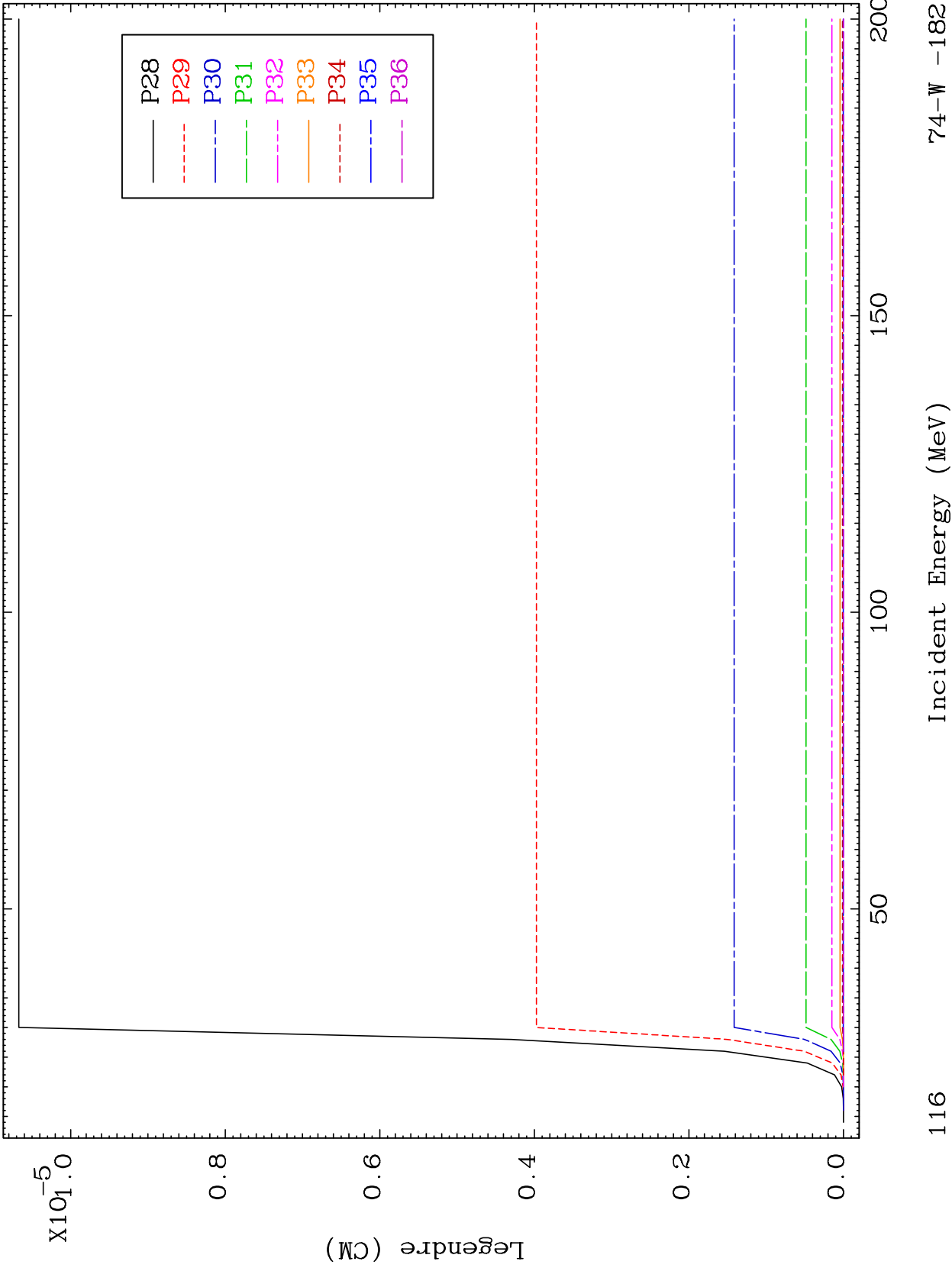
74-W -182



115

Incident Energy (MeV)

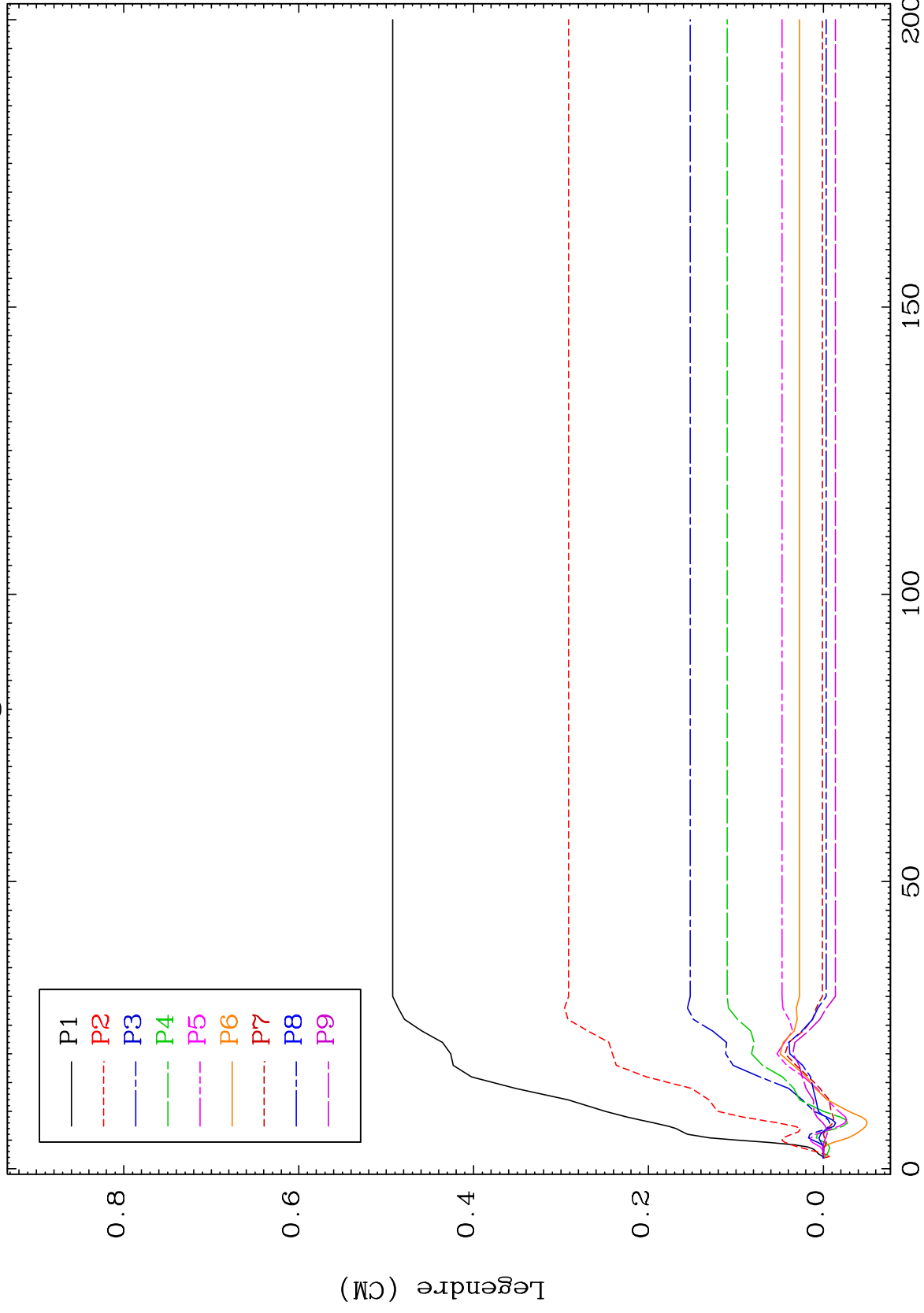
74-W -182



MAT 7431

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

74-W -182



117

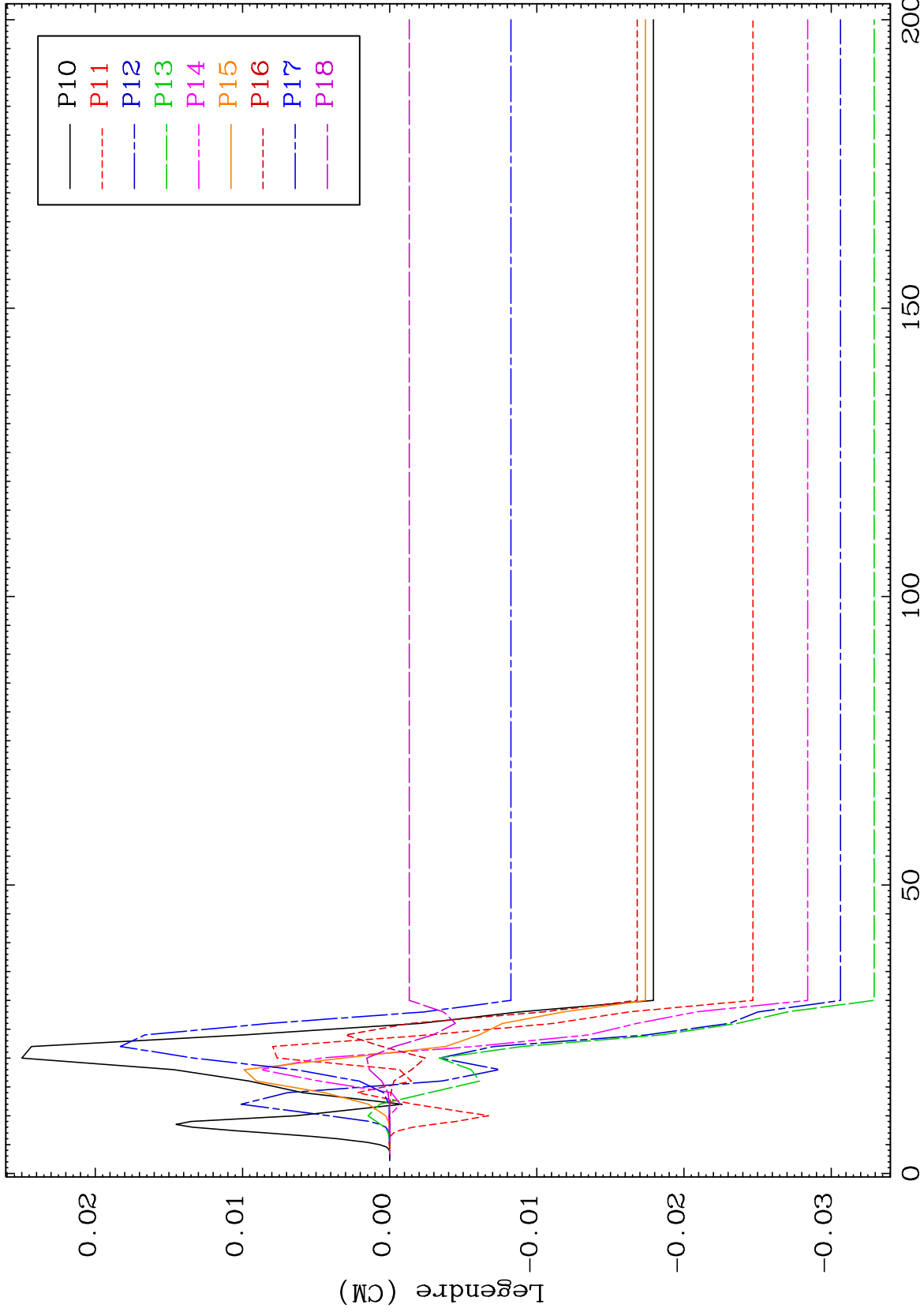
Incident Energy (MeV)

74-W -182

MAT 7431

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

74-W -182



118

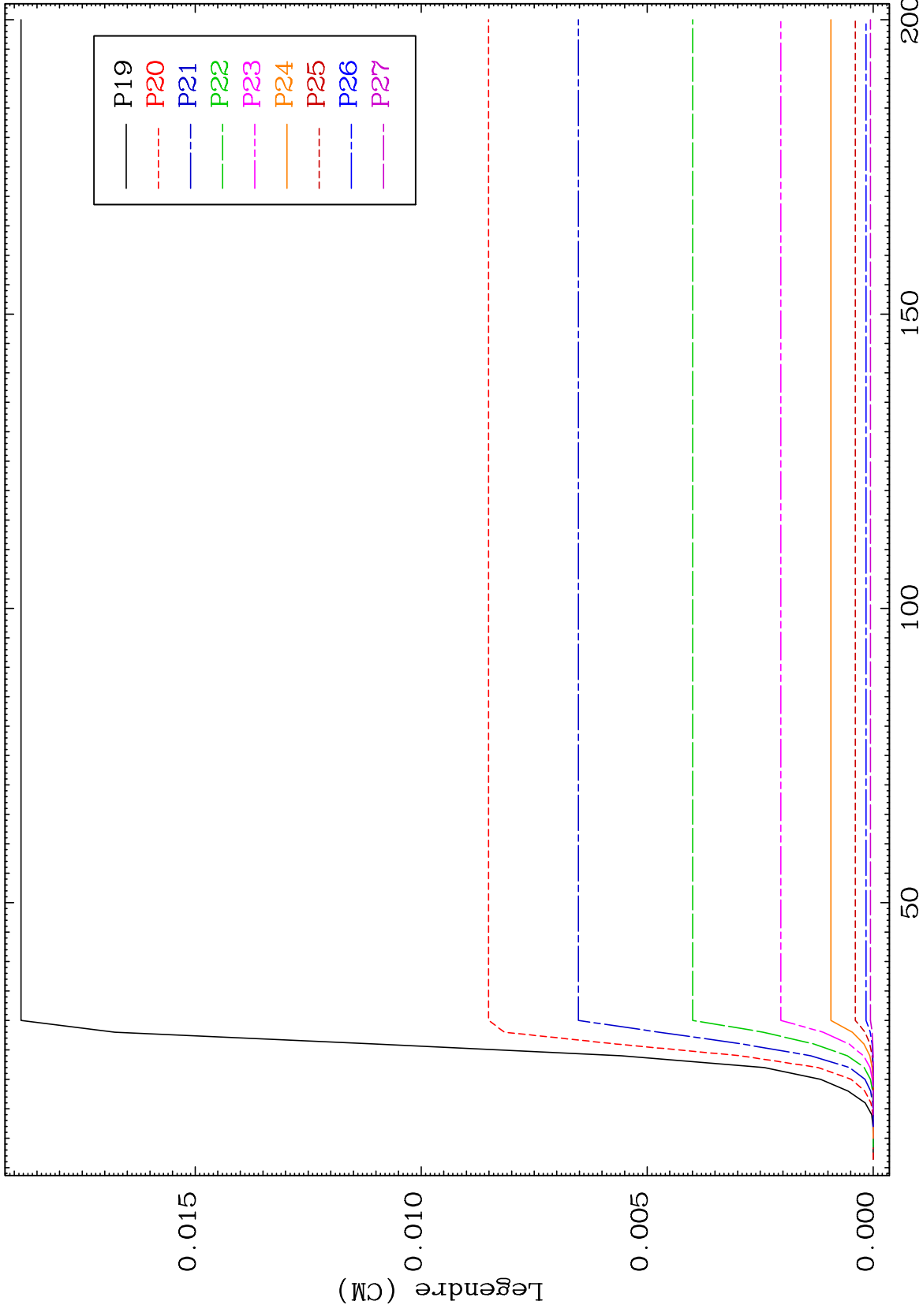
Incident Energy (MeV)

74-W -182

MAT 7431

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

74-W -182



119

Incident Energy (MeV)

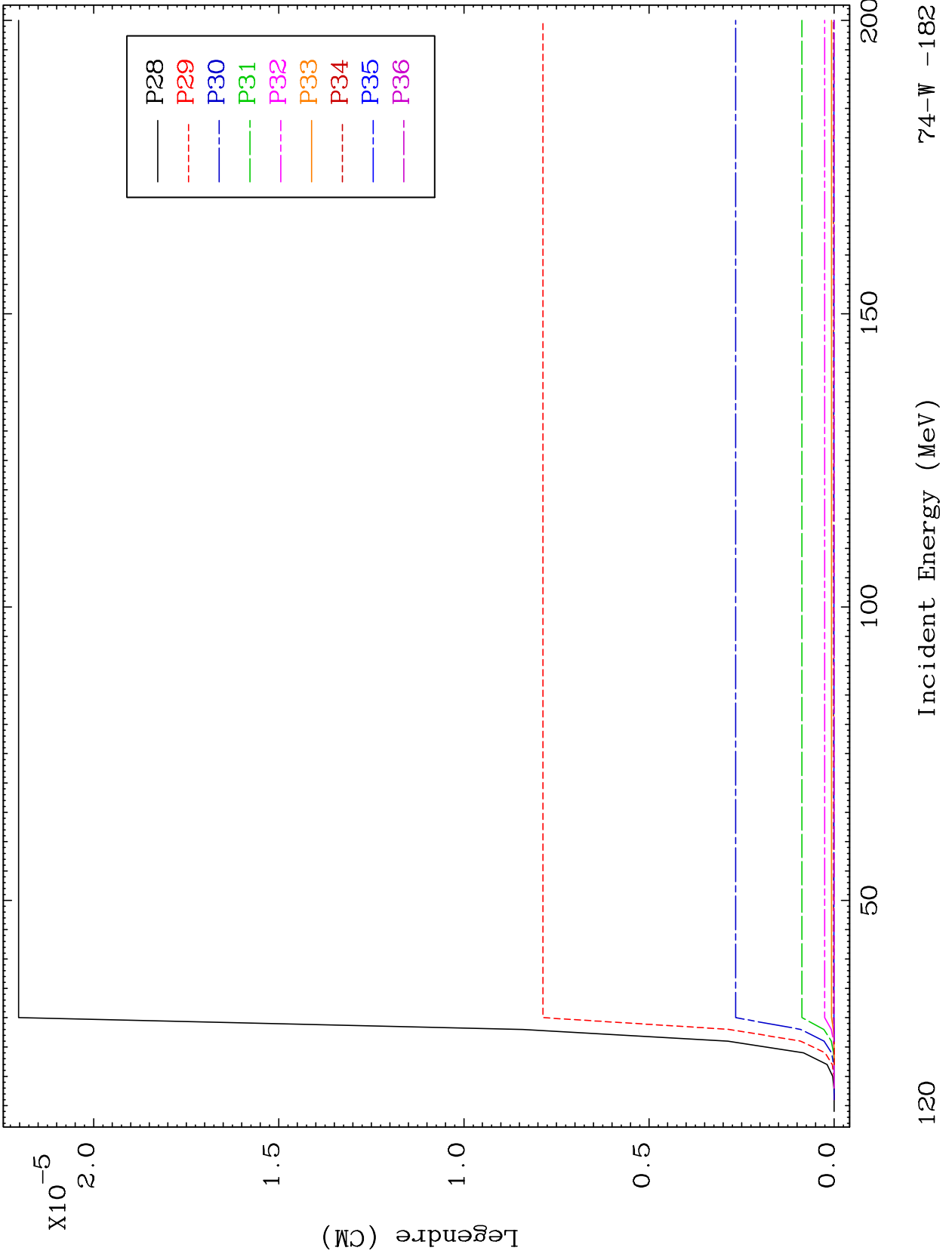
74-W -182



MAT 7431

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

74-W -182



120

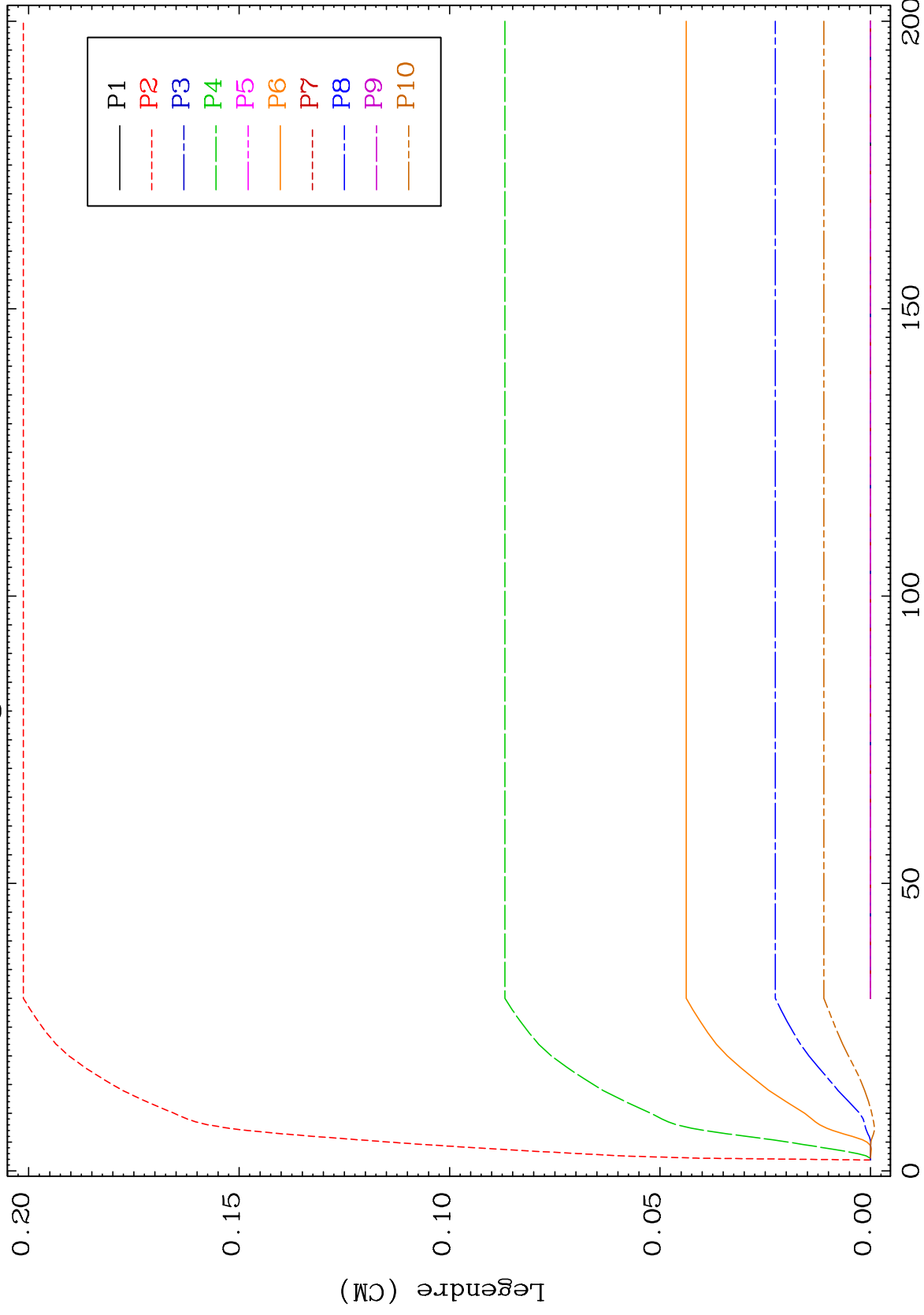
Incident Energy (MeV)

74-W -182

MAT 7431

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

74-W -182



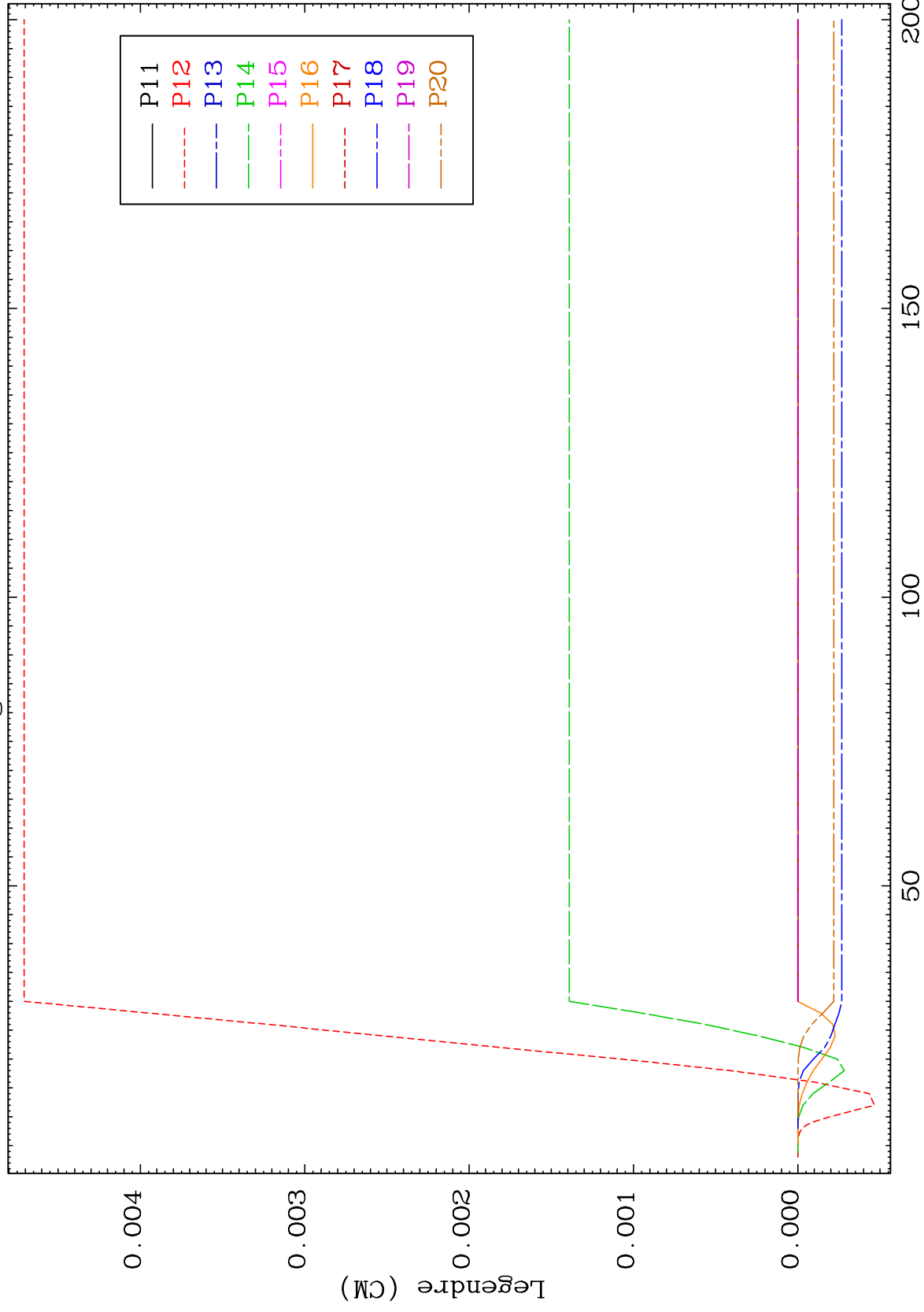
121

74-W -182

MAT 7431

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

74-W -182



122

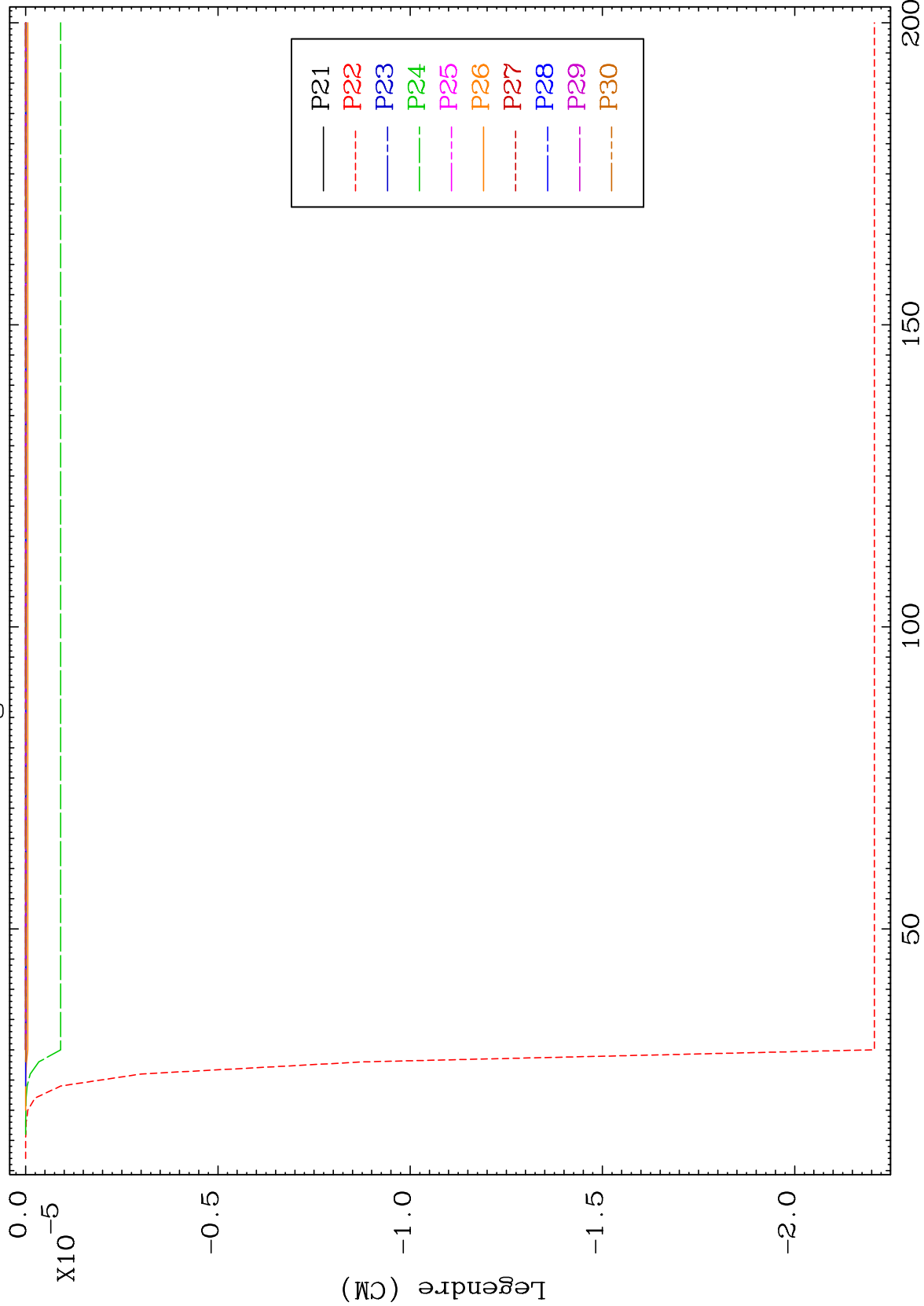
74-W -182

MAT 7431

MT= 79 (n,n') Level

74-W -182

Legendre Coefficients



74-W -182

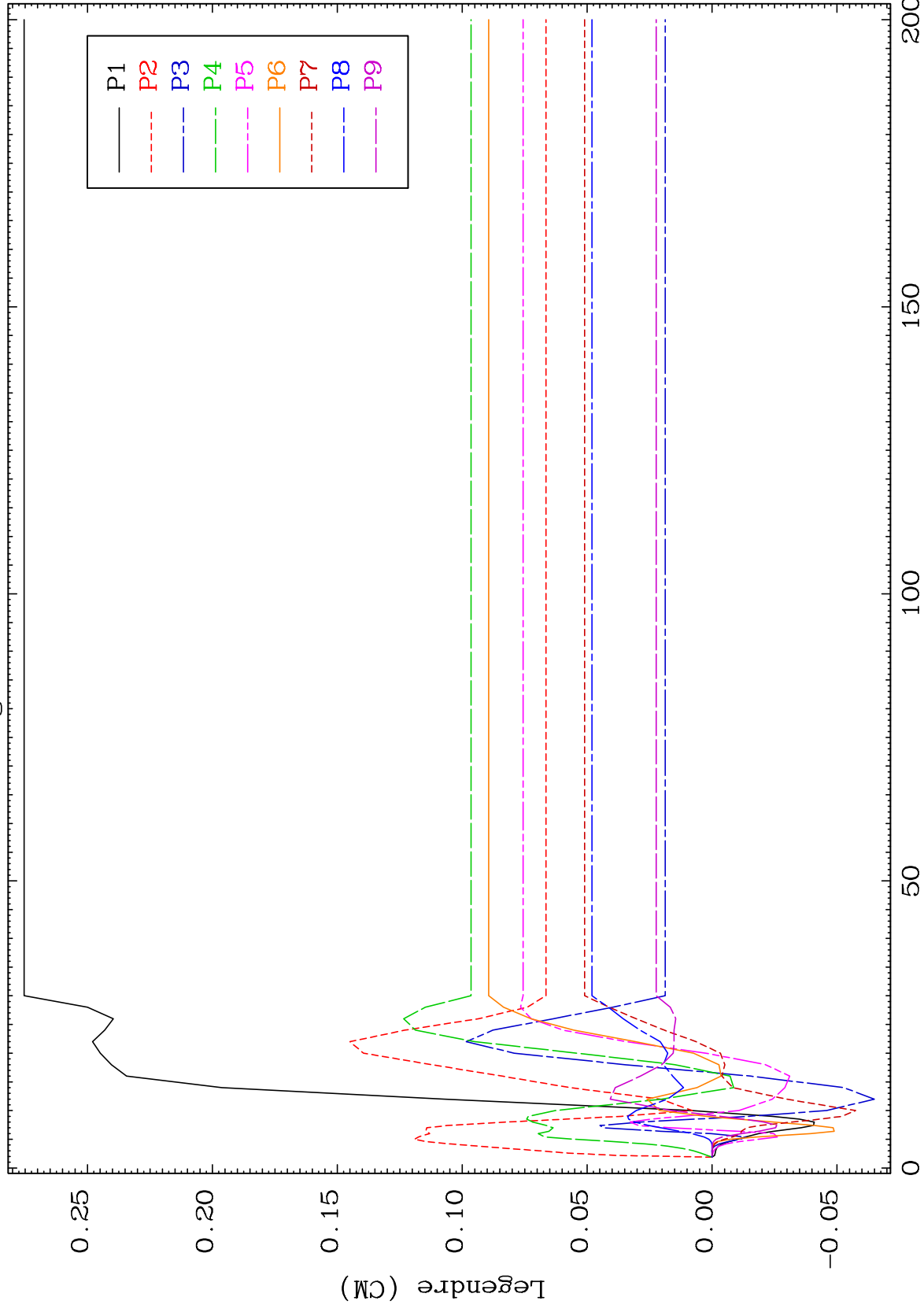
Incident Energy (MeV)

123

MAT 7431

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

74-W -182



124

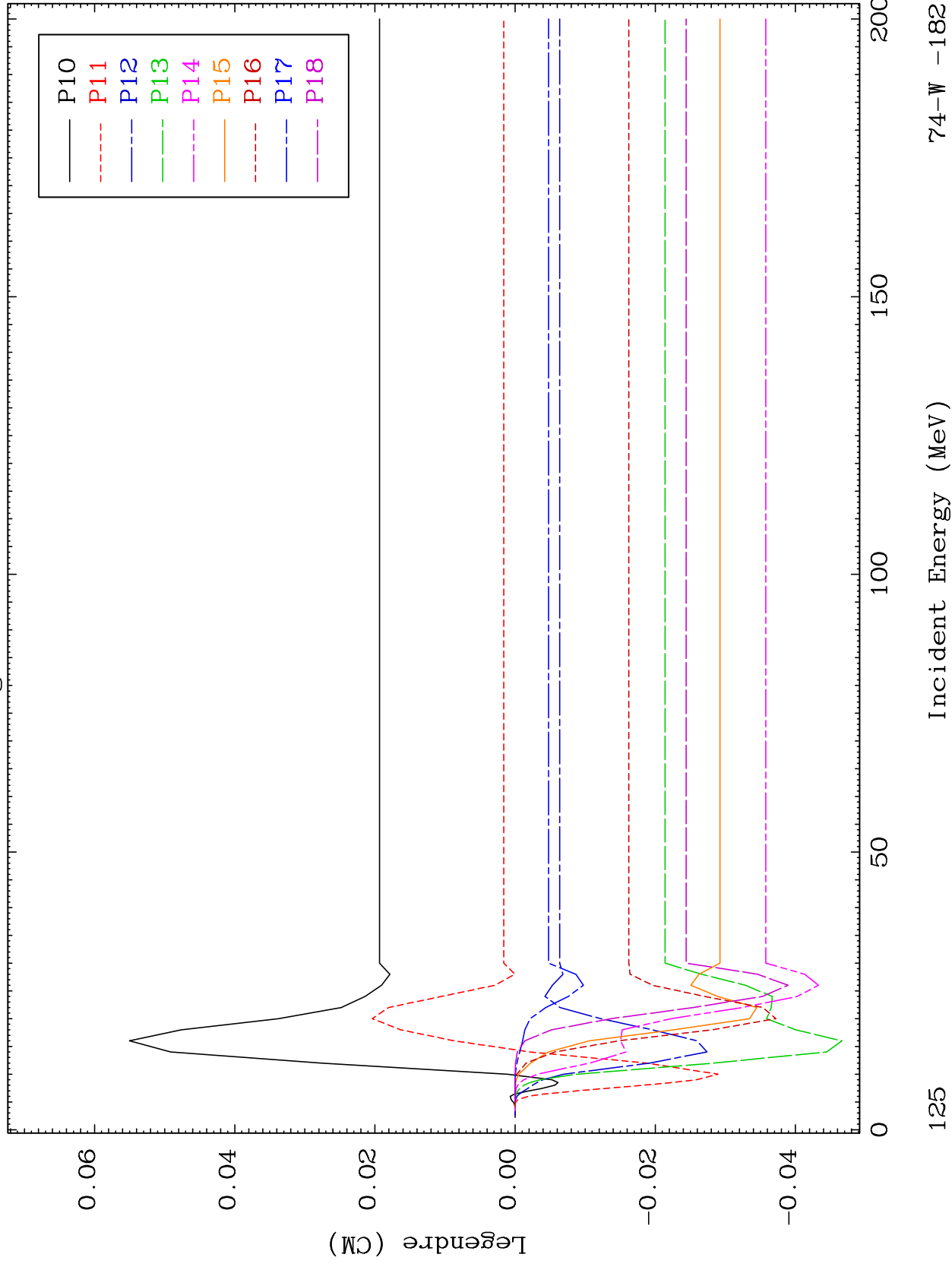
Incident Energy (MeV)

74-W -182

MAT 7431

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

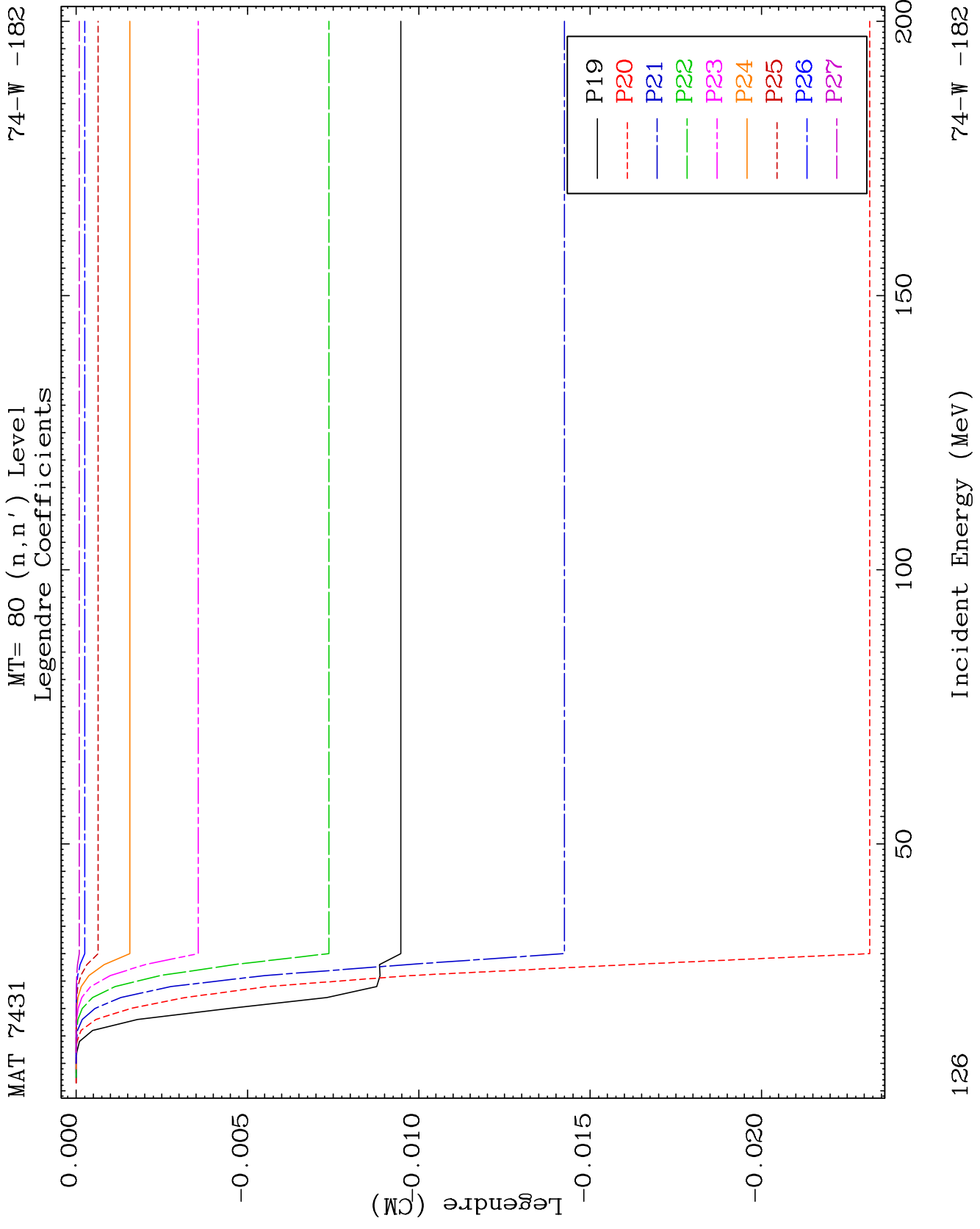
74-W -182

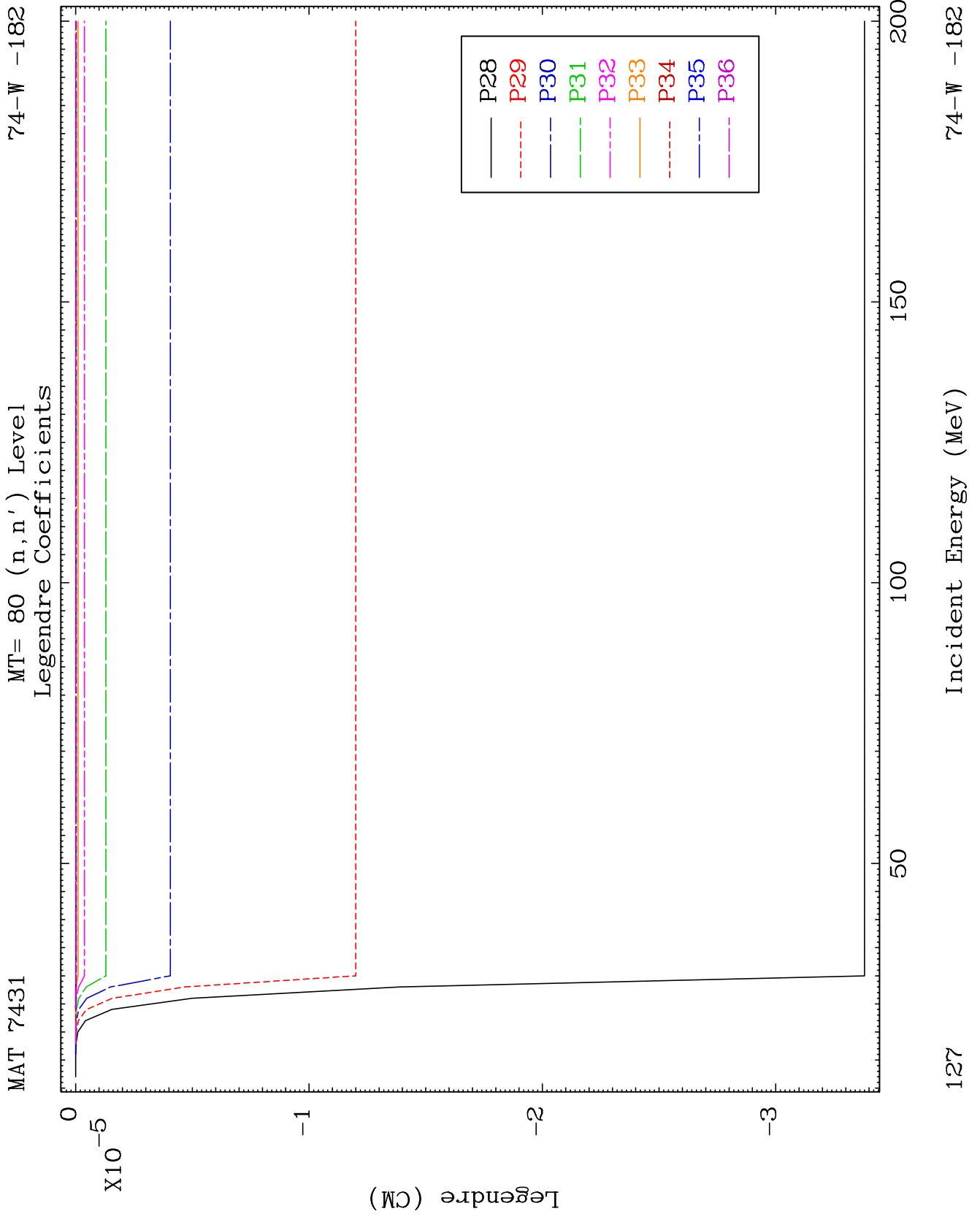


74-W -182

Incident Energy (MeV)

125





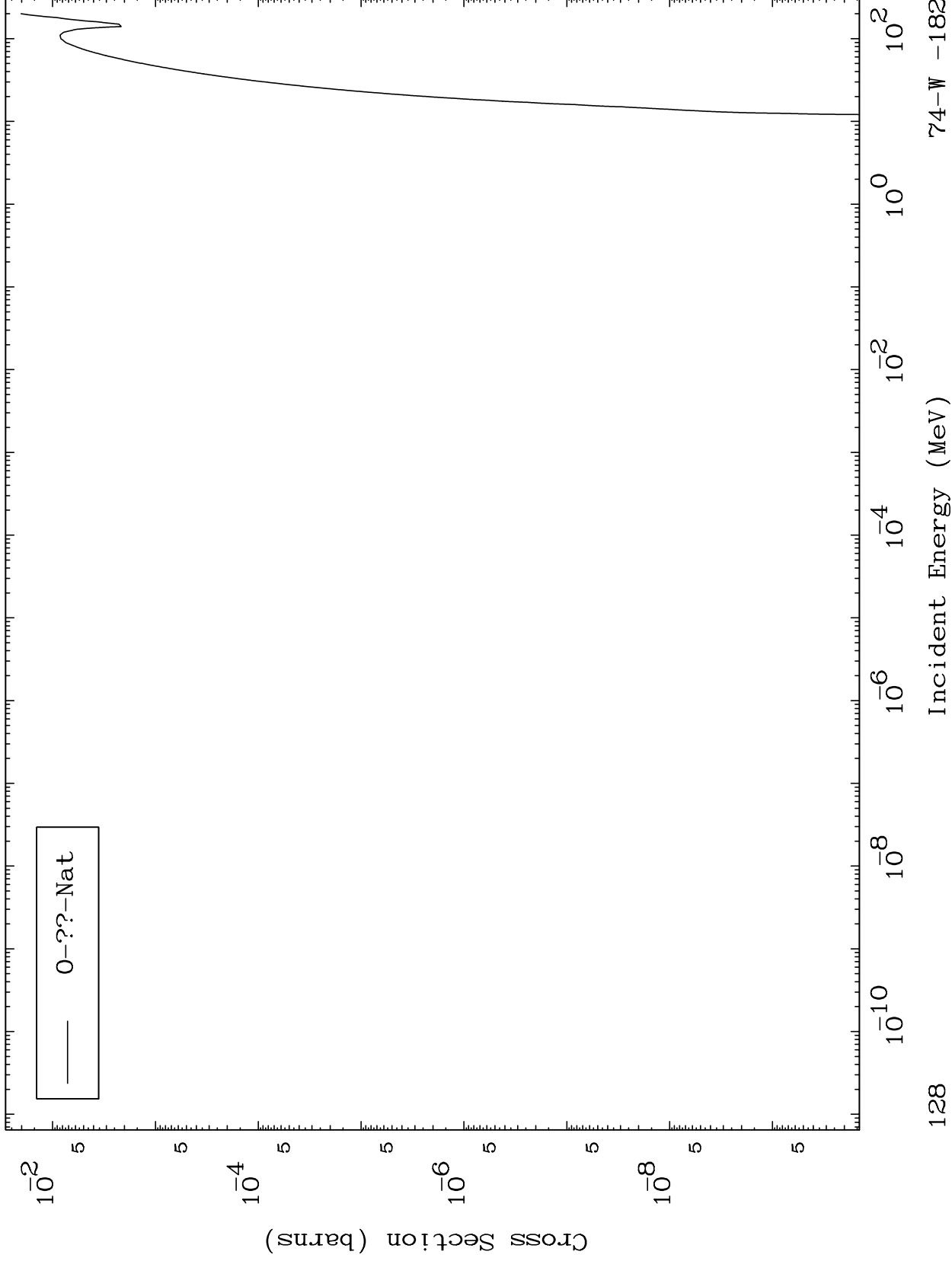


MAT 7431

Fission

74-W -182

Radionuclide Production Cross Section



128

Incident Energy (MeV)

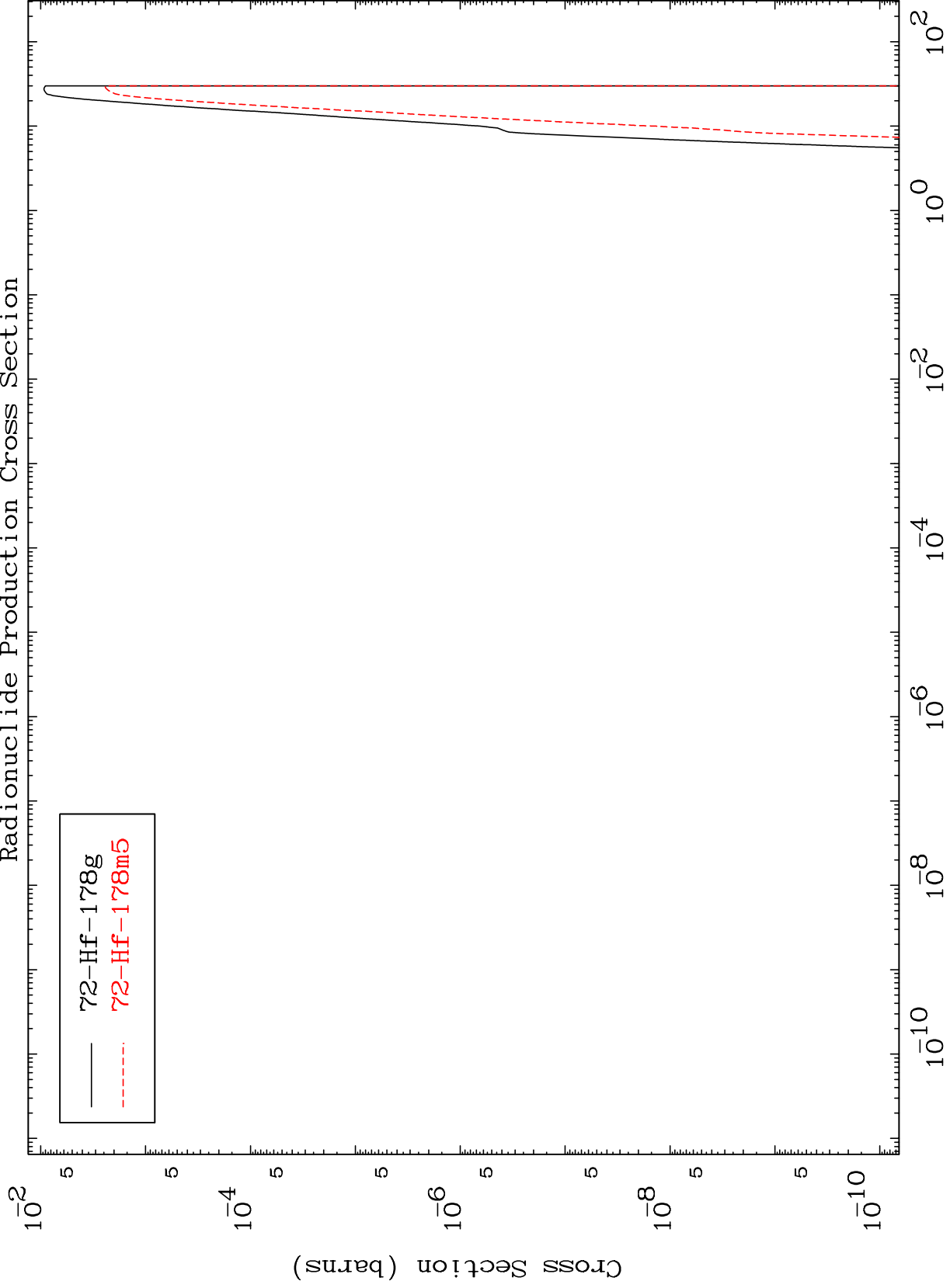
74-W -182

MAT 7431

(n,n')  $\alpha$

74-W -182

Radionuclide Production Cross Section



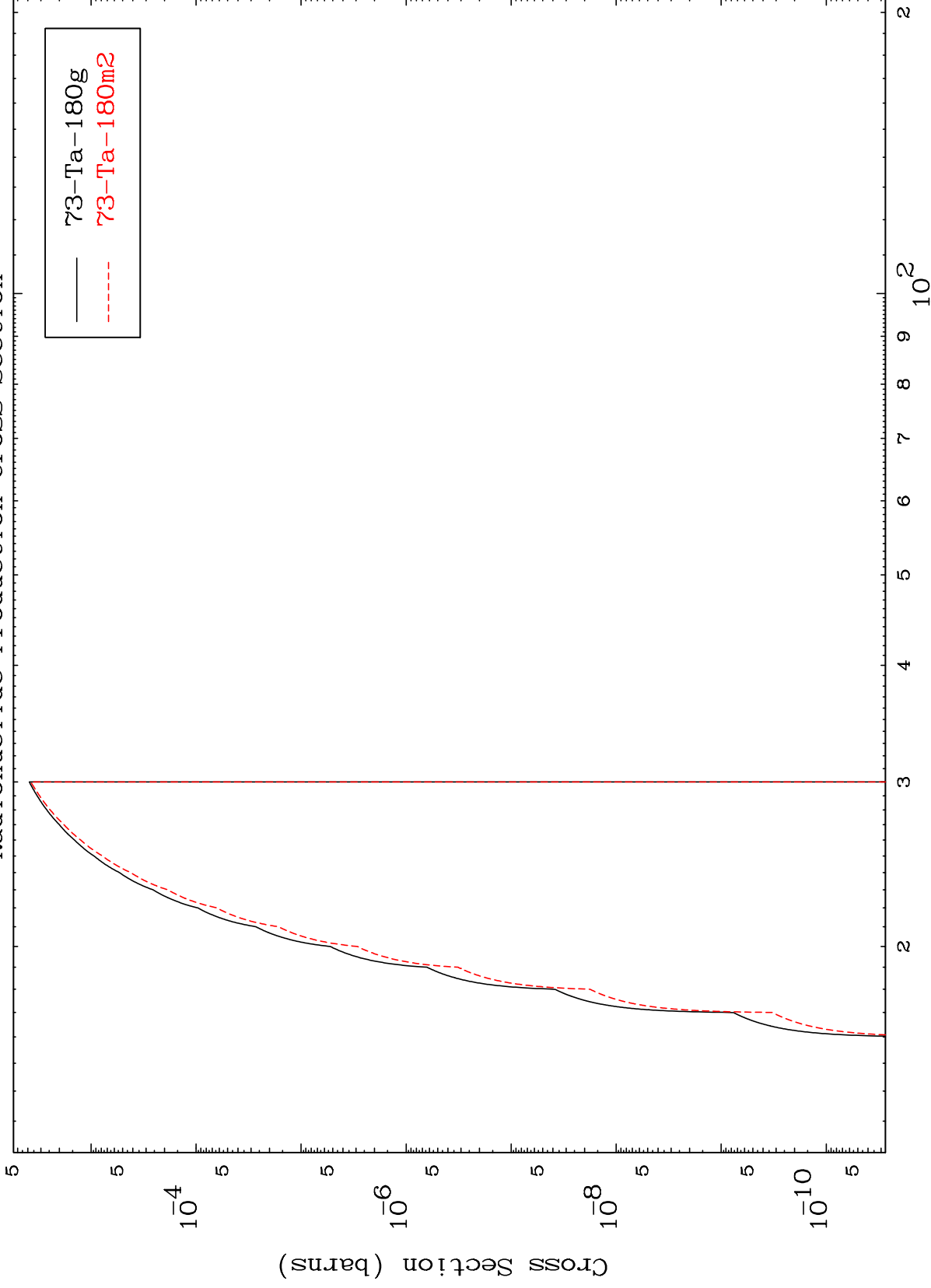
—  $^{178}\text{g}\text{Hf}$   
- - -  $^{178\text{m}5}\text{Hf}$

129

Incident Energy (MeV)

74-W -182

Radionuclide Production Cross Section

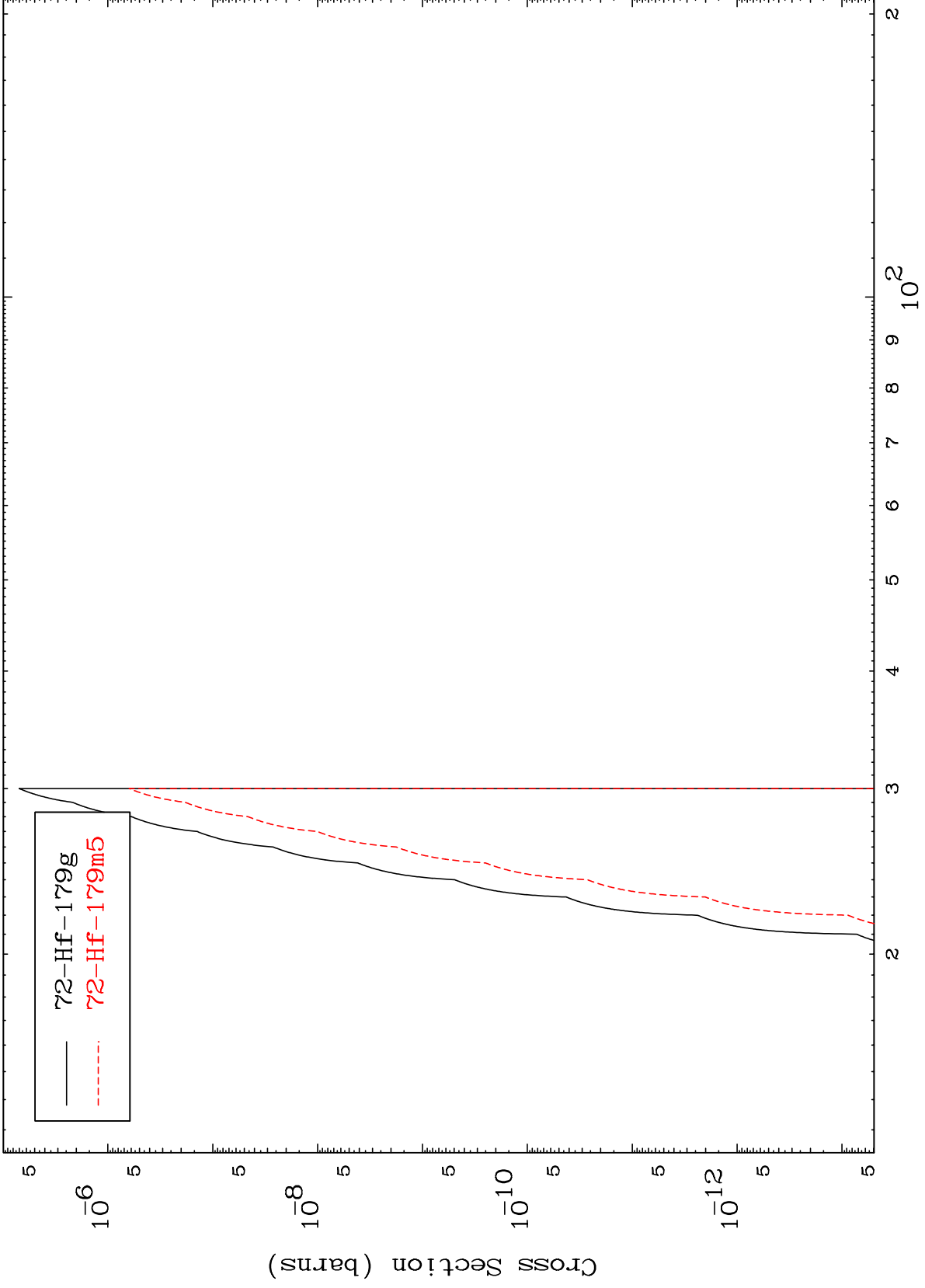


MAT 7431

(n,n') He-3

74-W -182

Radionuclide Production Cross Section

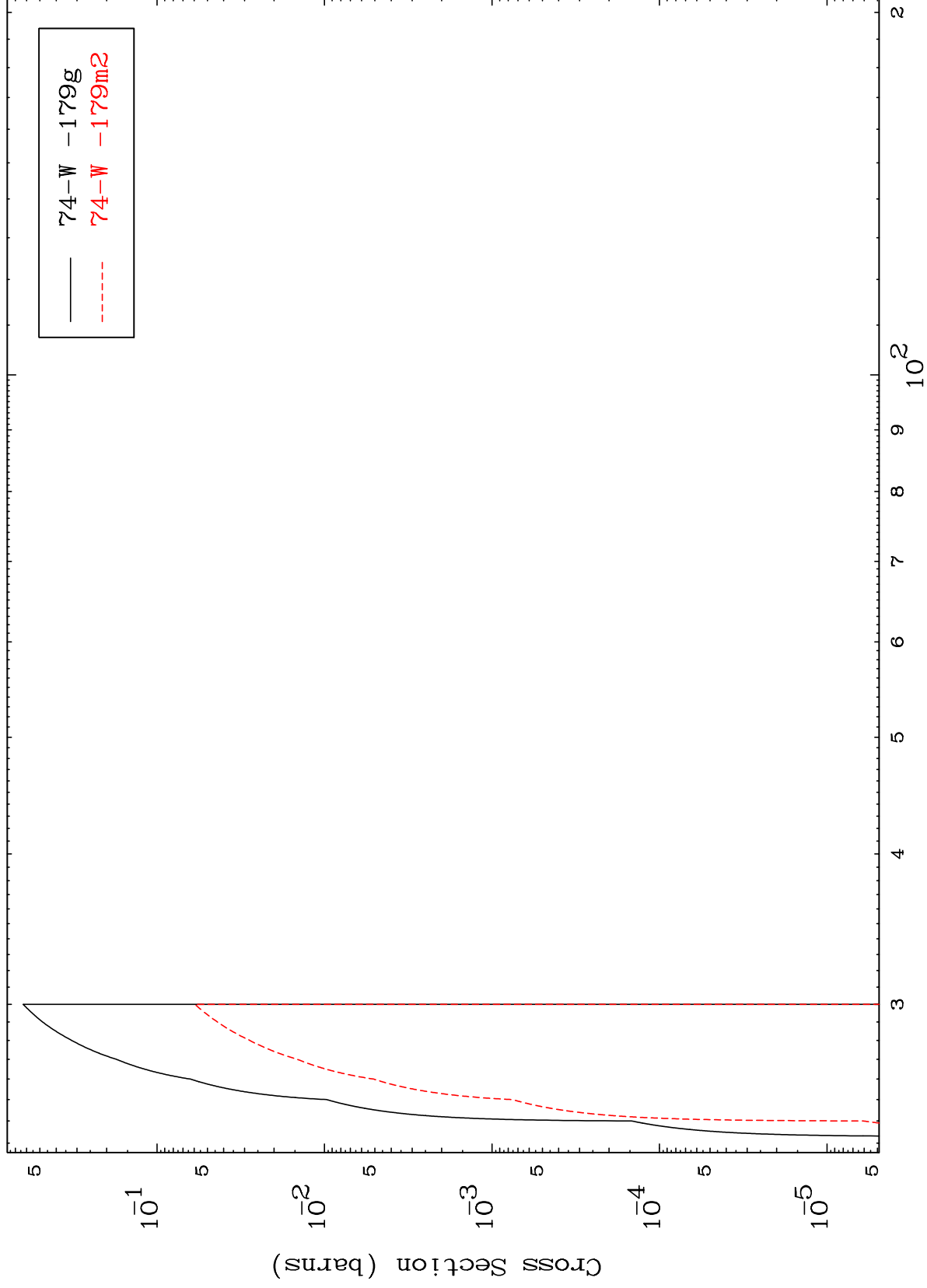


131

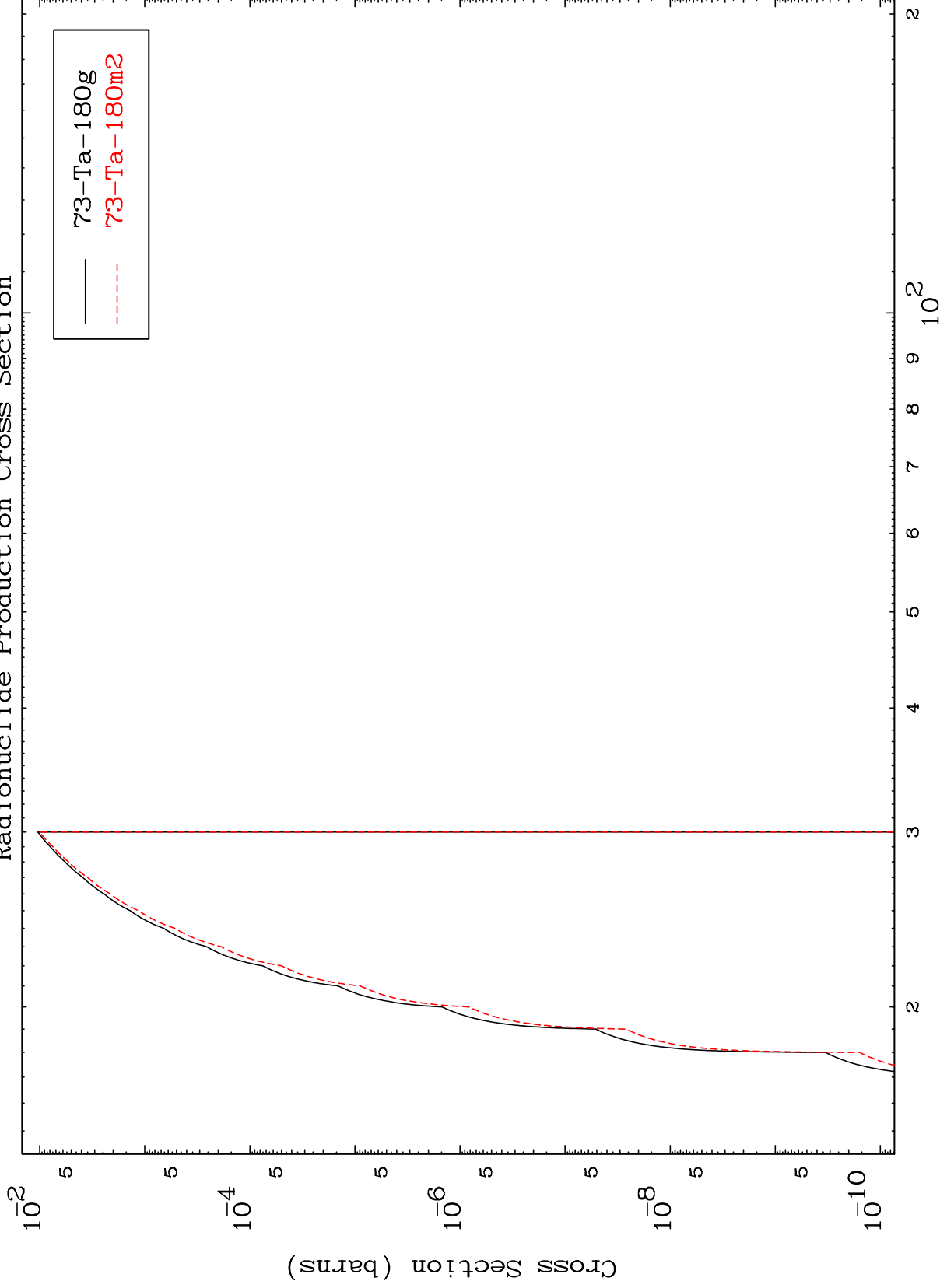
Incident Energy (MeV)

74-W -182

Radionuclide Production Cross Section



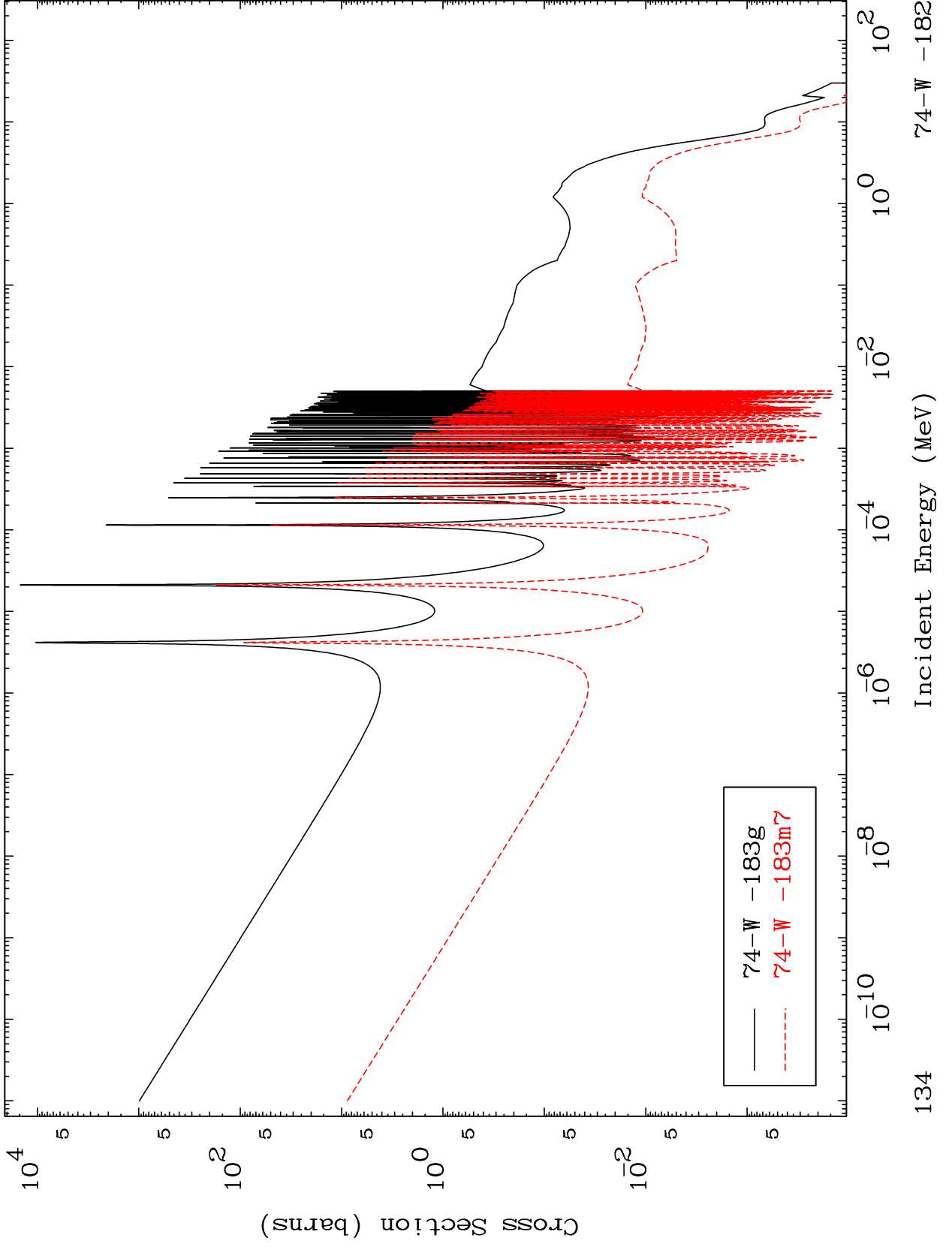
(n,2n) p  
Radionuclide Production Cross Section



MAT 7431

74-W -182

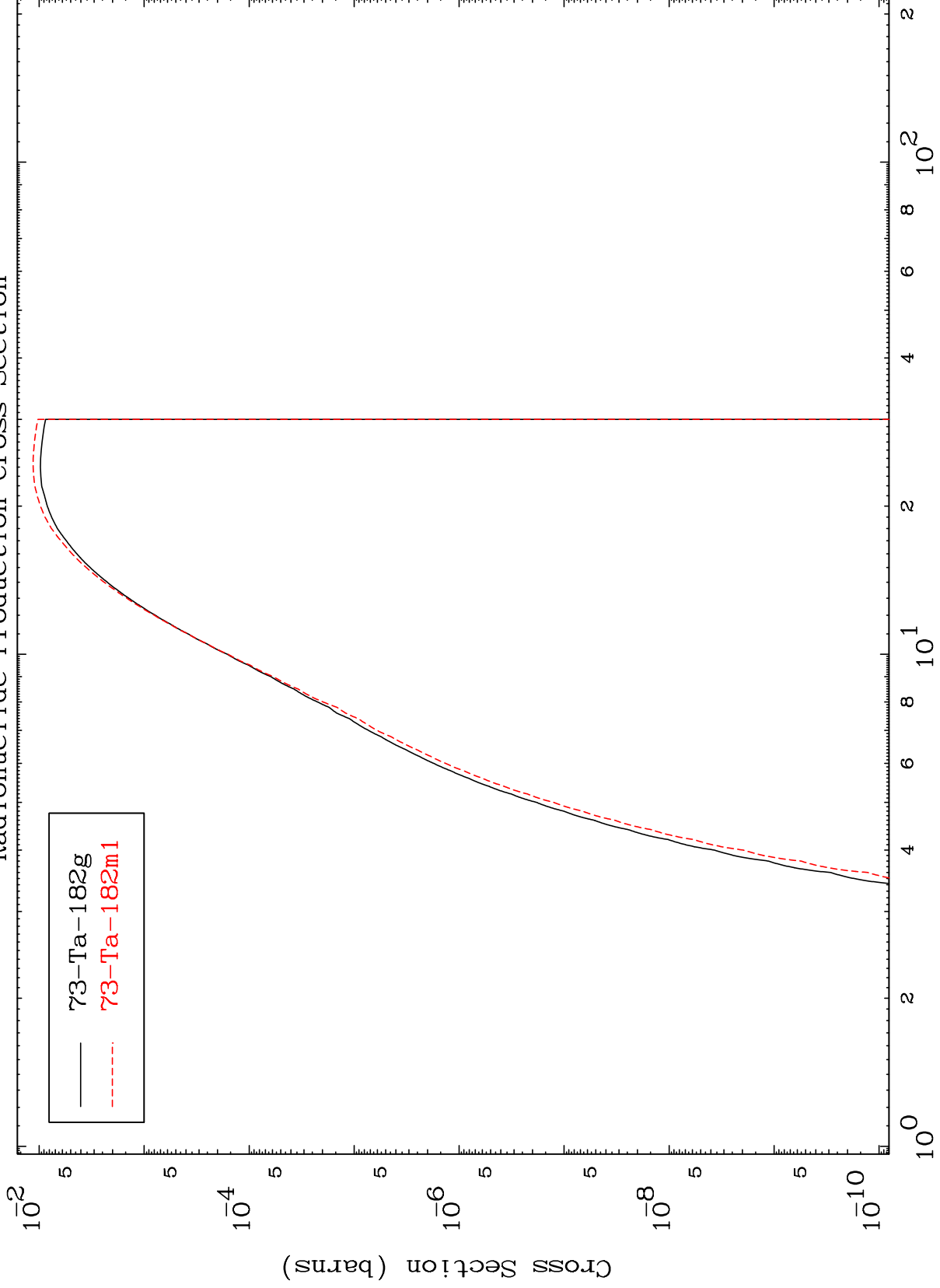
Radionuclide Production Cross Section  
(n,  $\gamma$ )



MAT 7431

74-W -182

Radionuclide Production Cross Section (n,p)



73-Ta-182g  
73-Ta-182m1

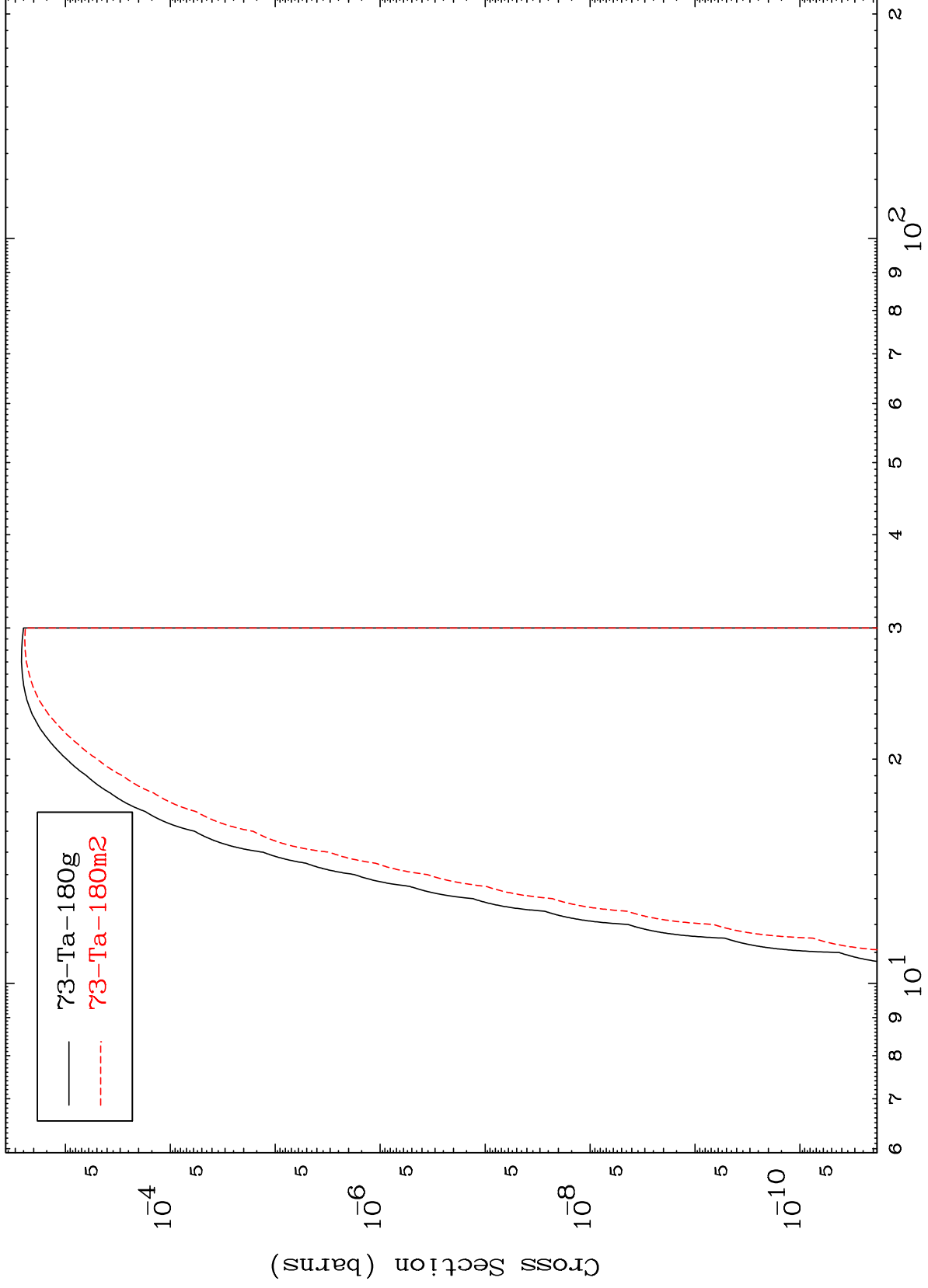
Incident Energy (MeV)

135

74-W -182



(n, t)  
Radionuclide Production Cross Section

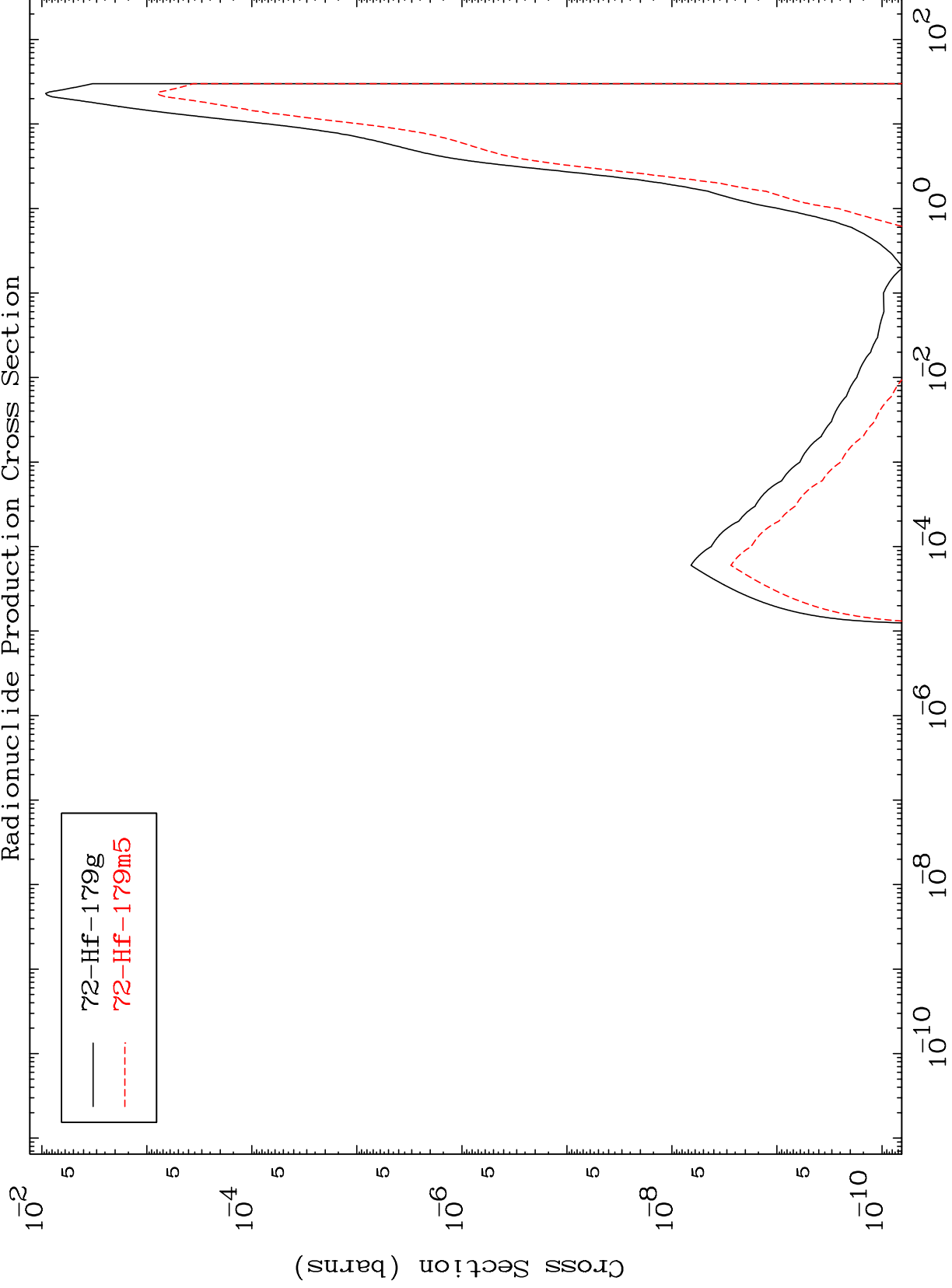


MAT 7431

(n,  $\alpha$ )

74-W -182

Radionuclide Production Cross Section



—  $^{179}\text{g}\text{Hf}$   
- - -  $^{179\text{m}5}\text{Hf}$

137

Incident Energy (MeV)

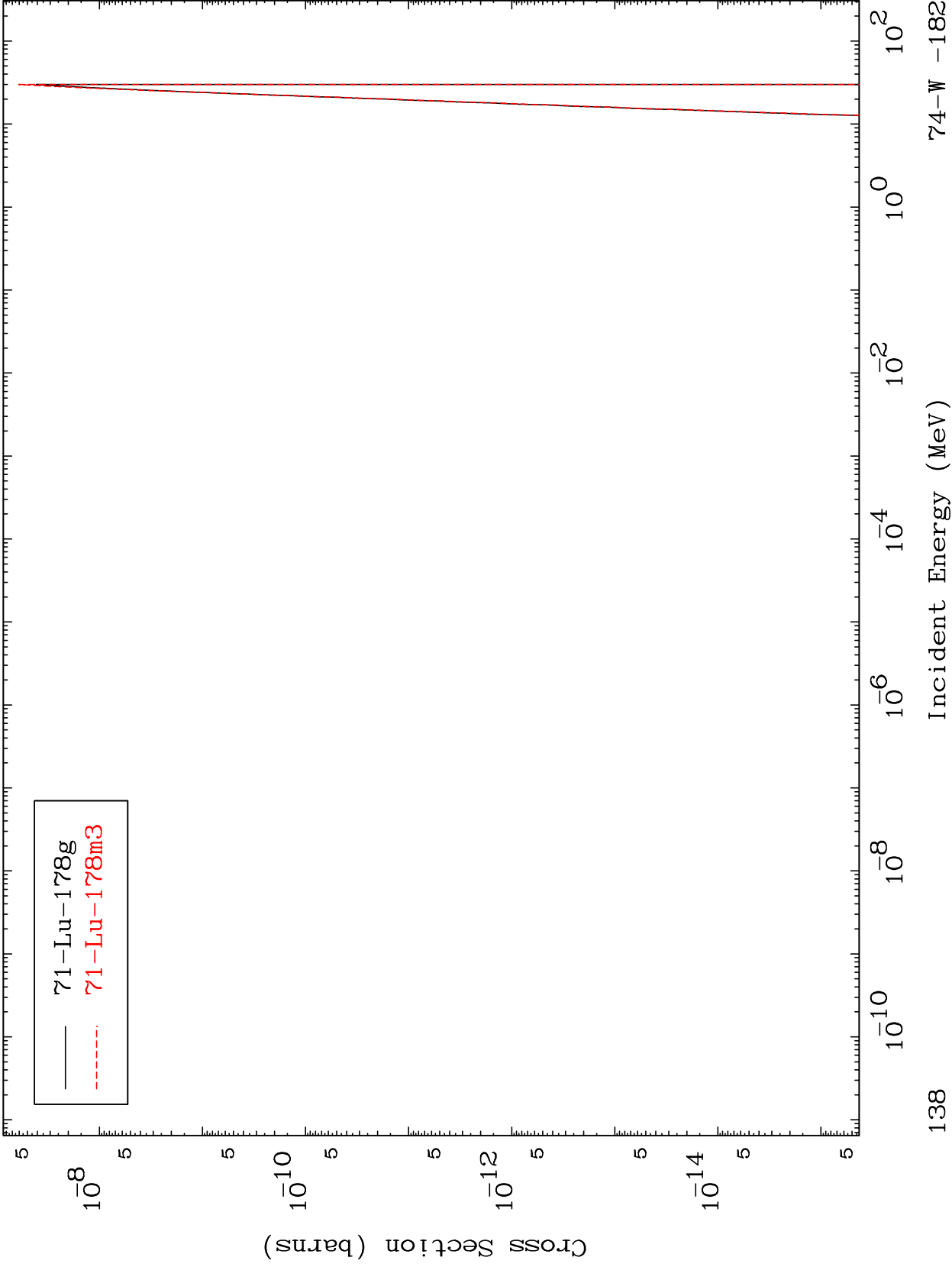
74-W -182

MAT 7431

(n,p)  $\alpha$

74-W -182

Radionuclide Production Cross Section



Radionuclide Production Cross Section

