

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

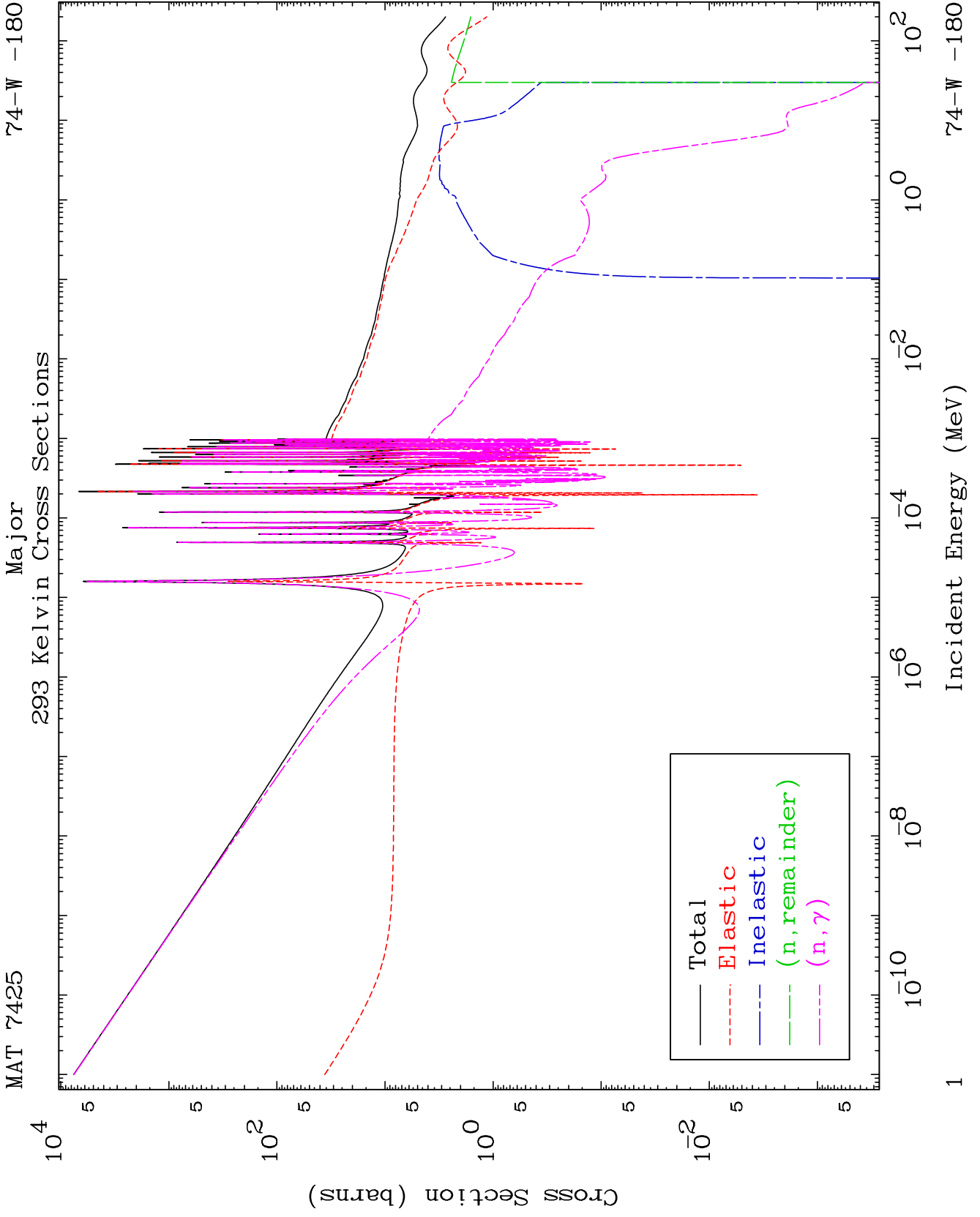
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

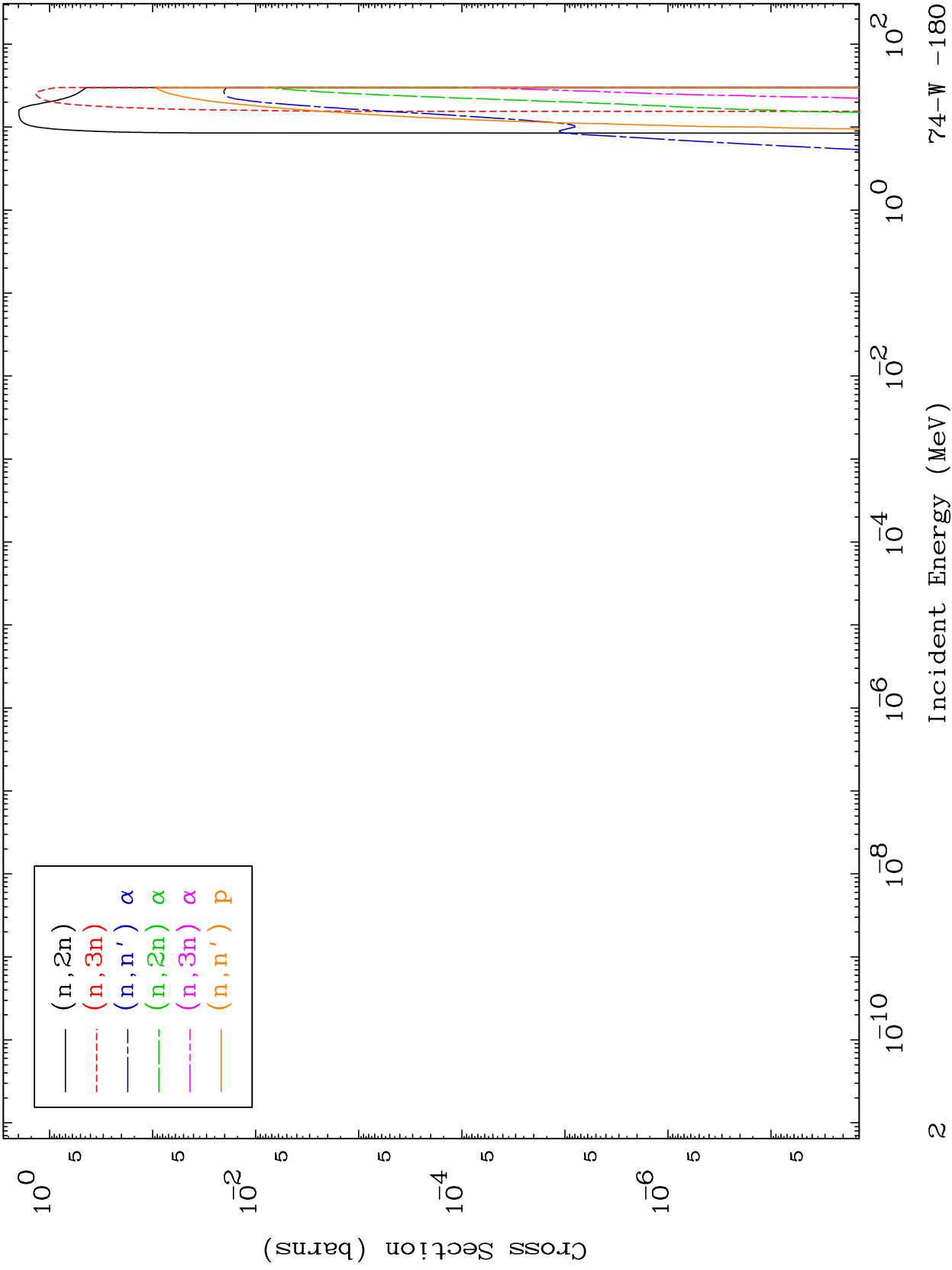
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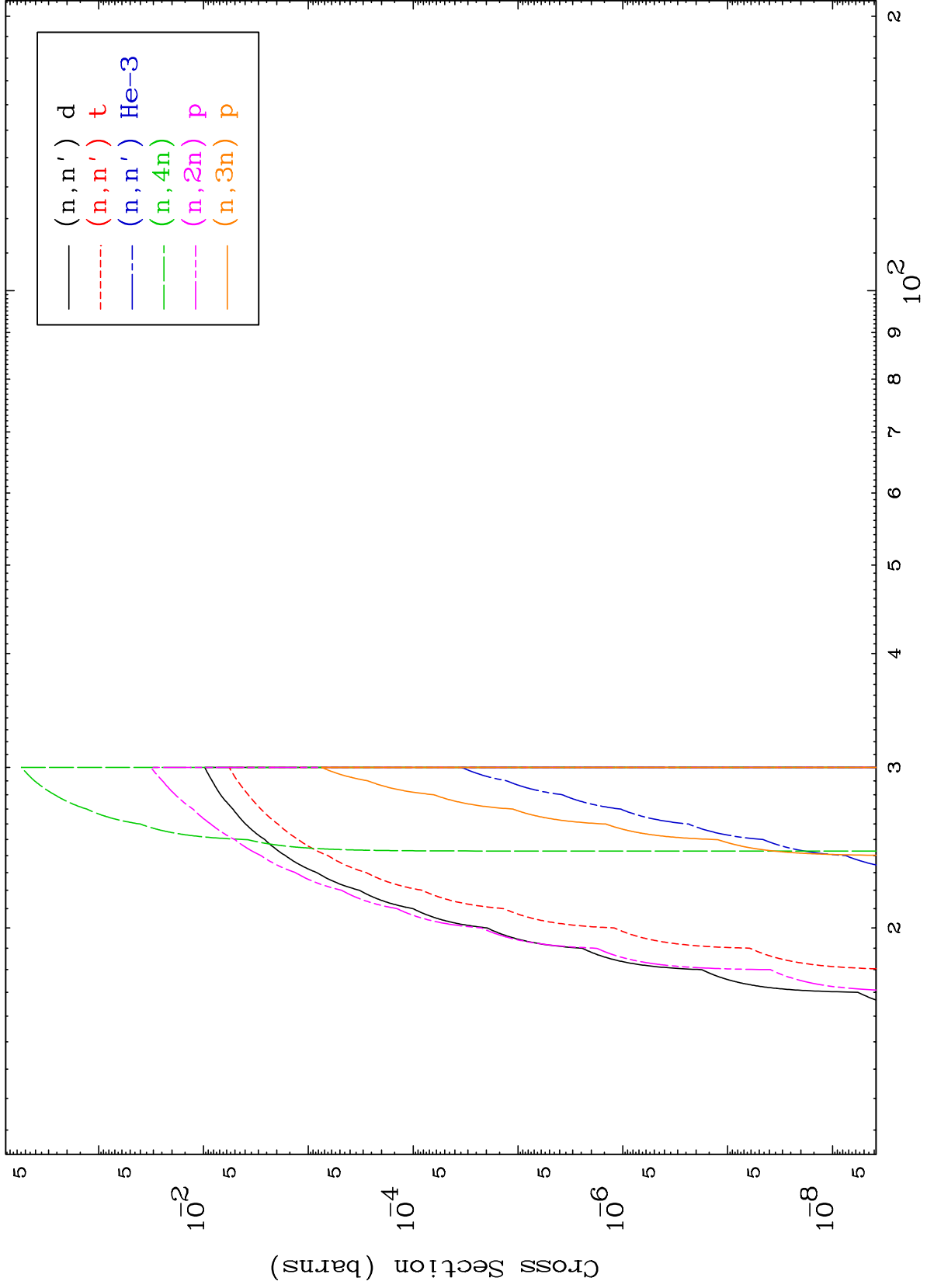


MAT 7425

Neutron Production  
293 Kelvin Cross Sections

74-W -180

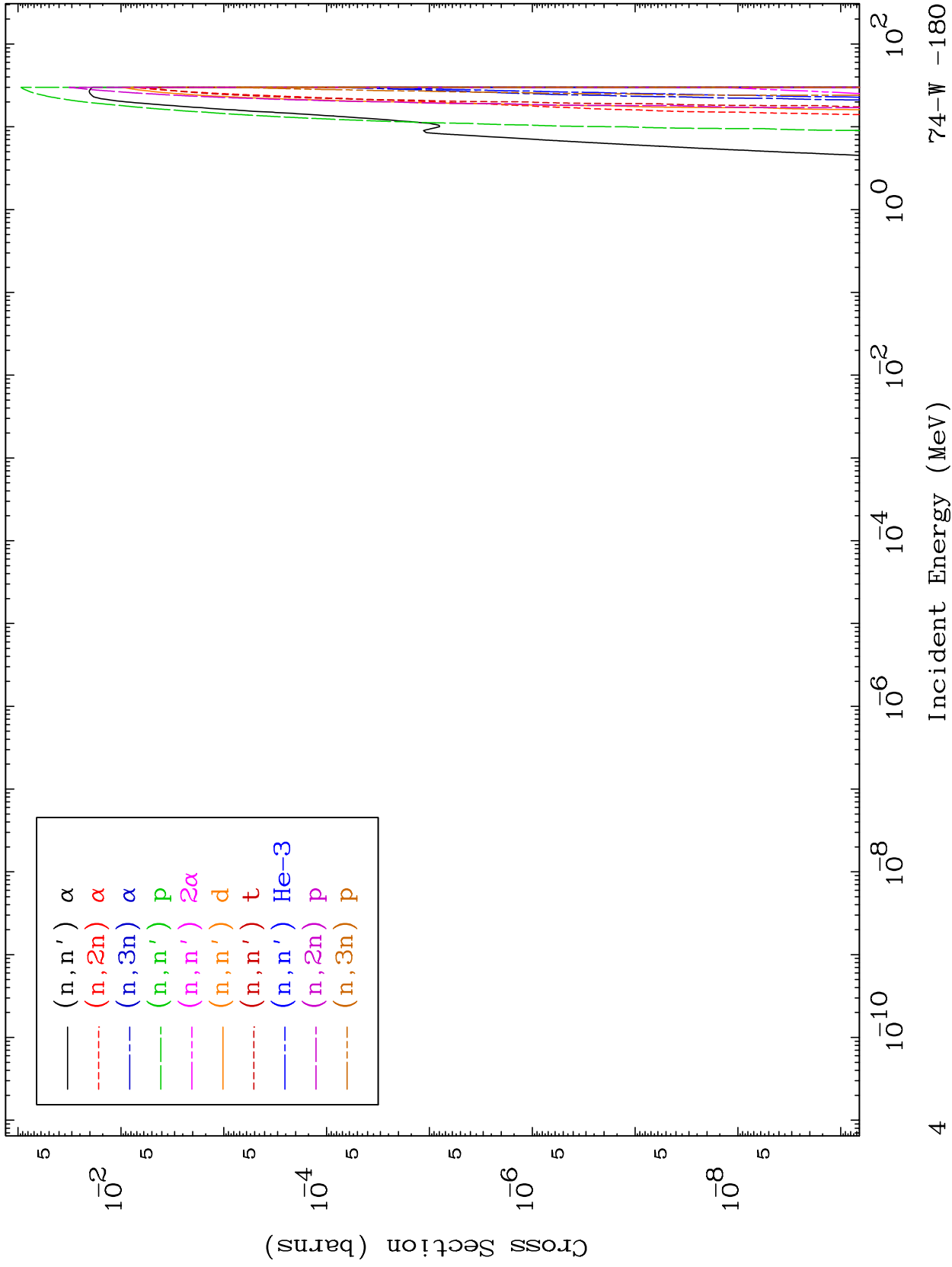


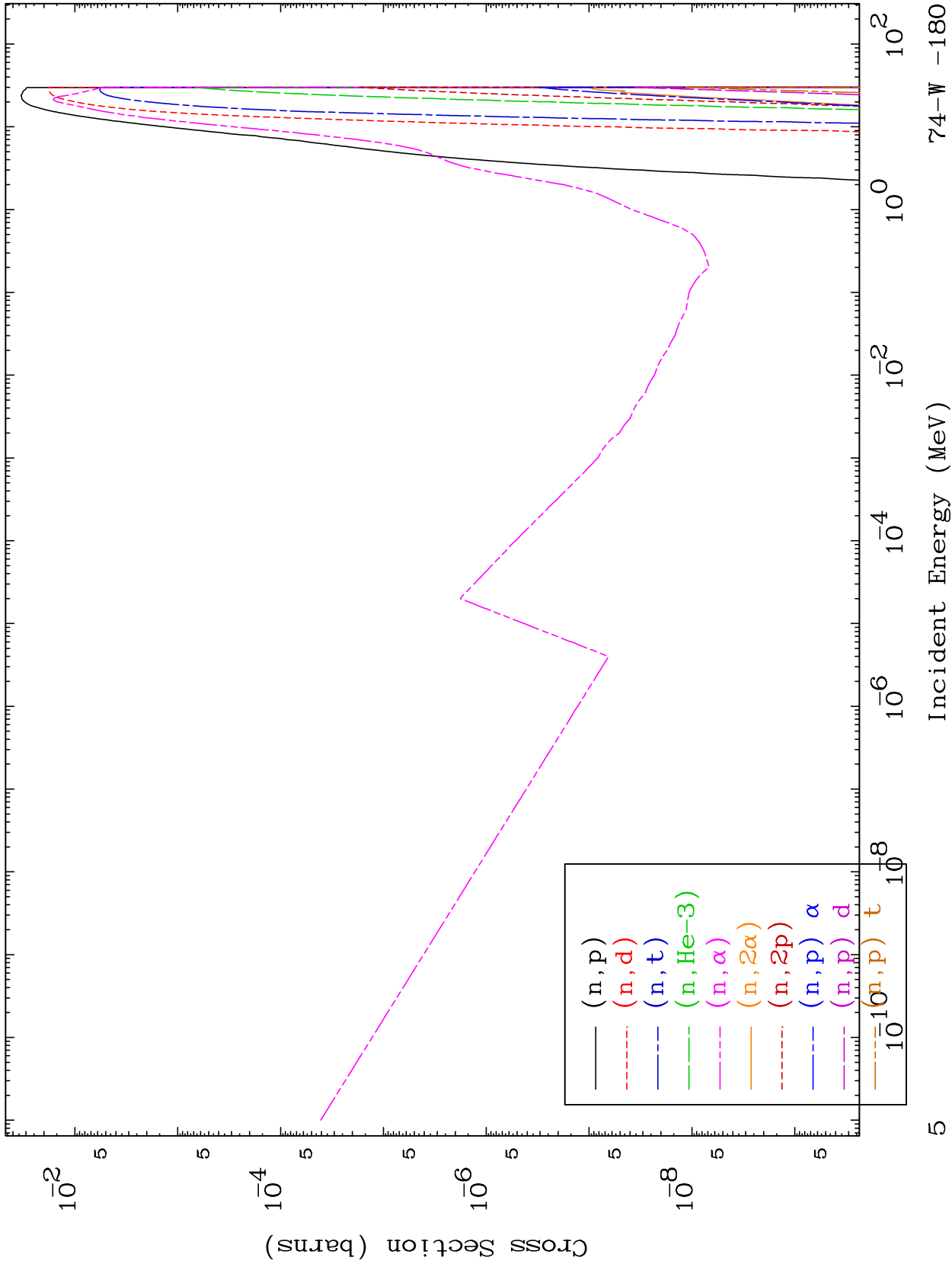


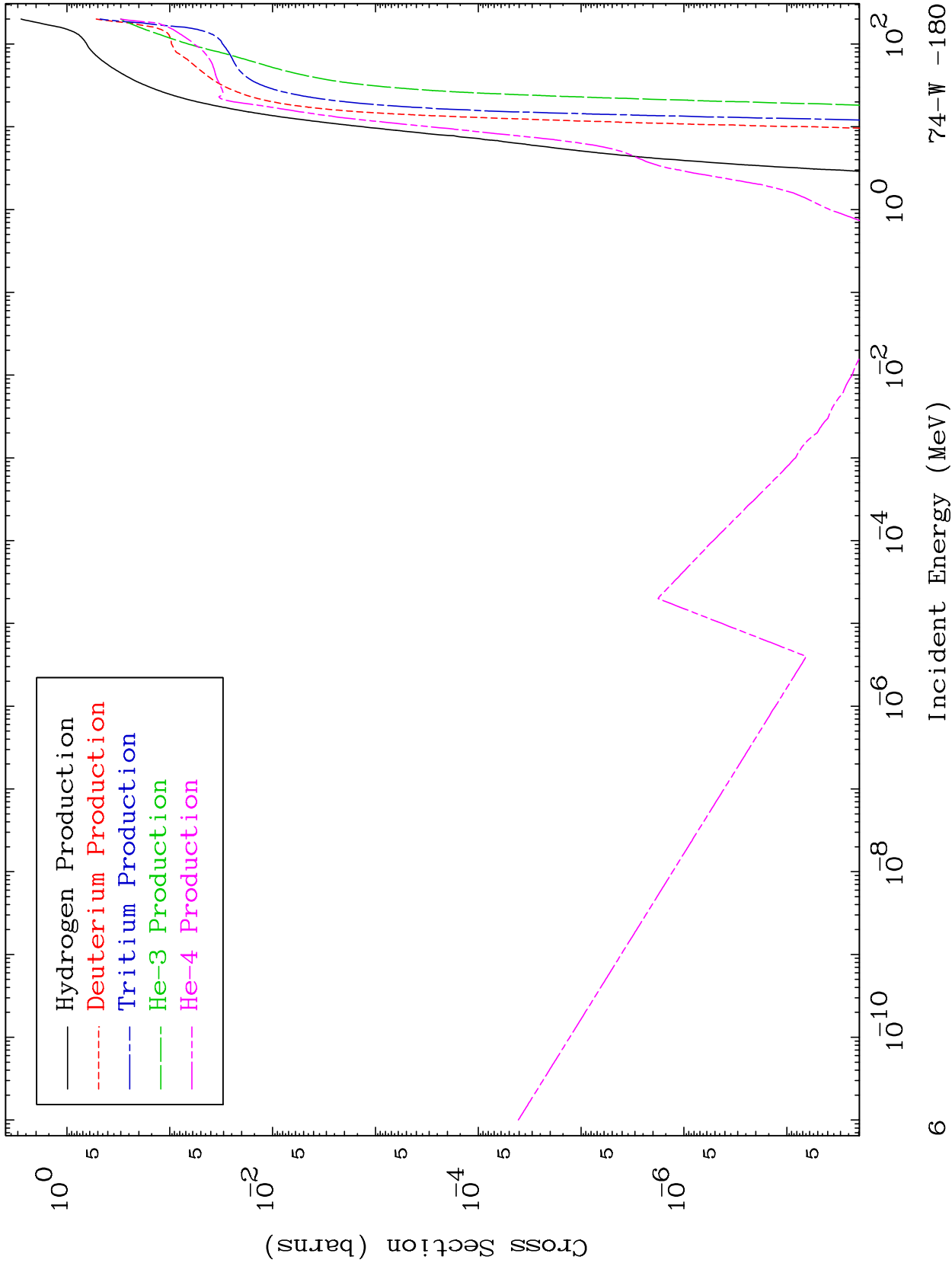
MAT 7425

Charged Particle  
293 Kelvin Cross Sections

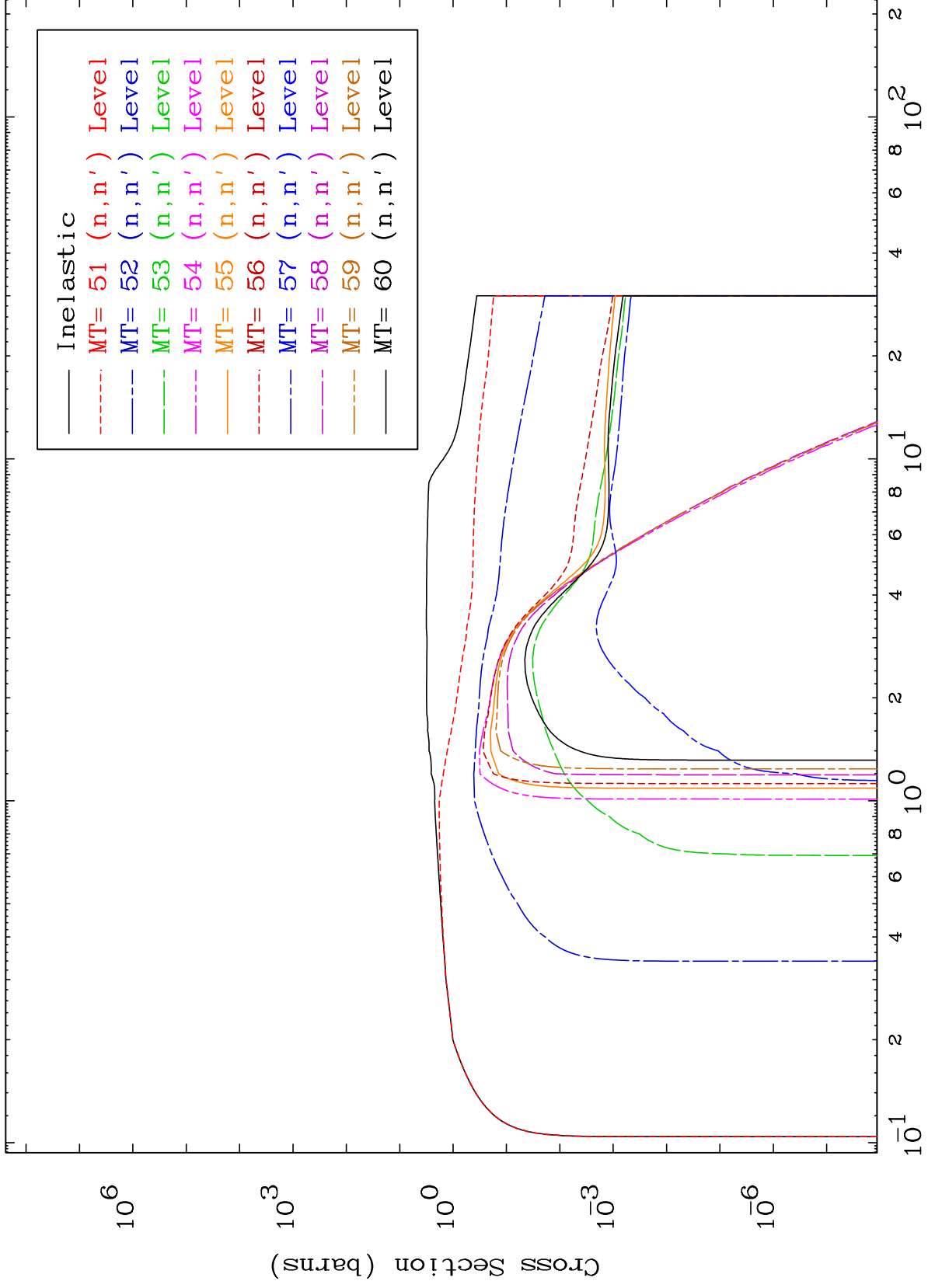
74-W -180







293 Kelvin Cross Sections



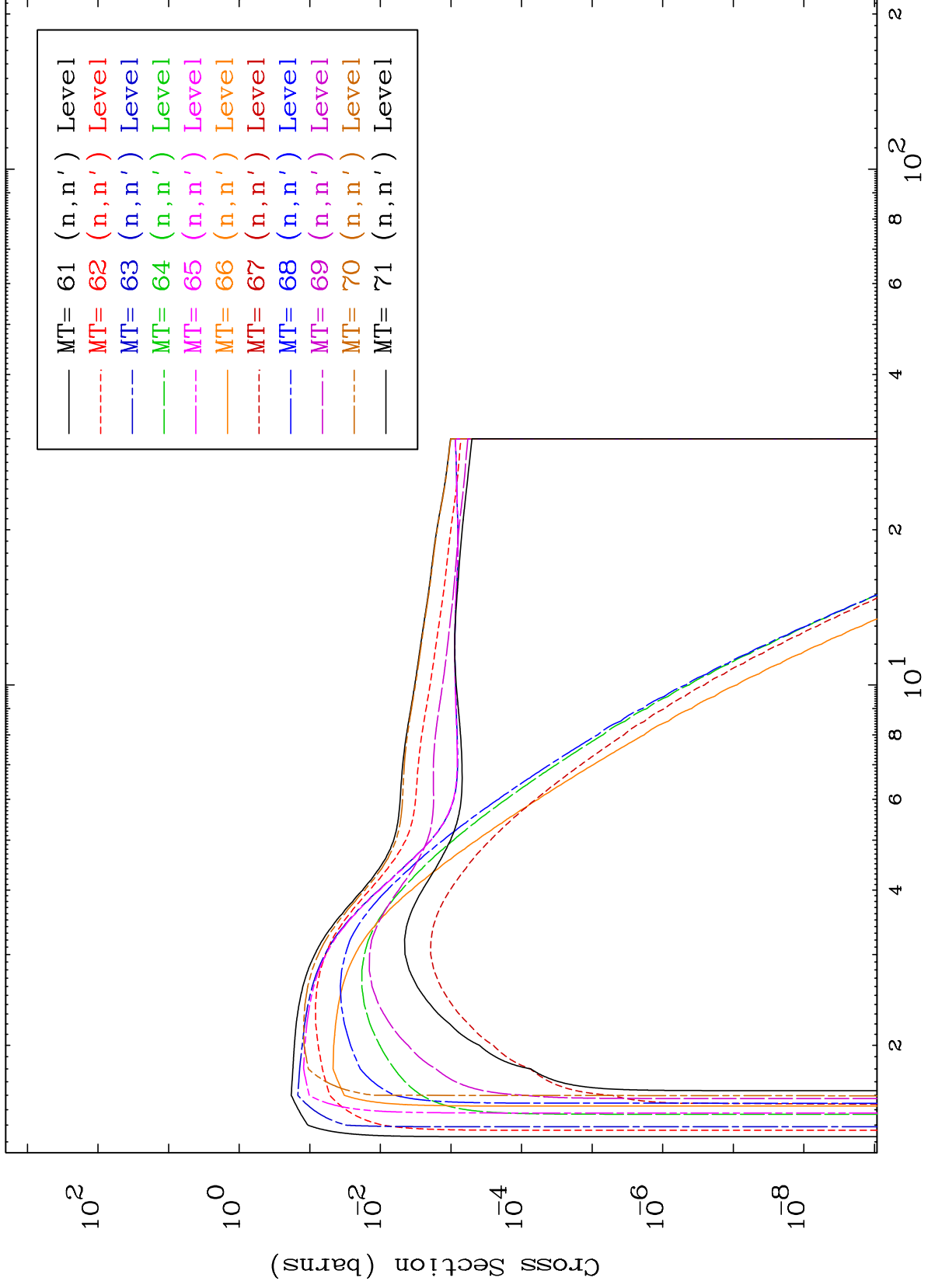


MAT 7425

(n,n') Level

293 Kelvin Cross Sections

74-W -180

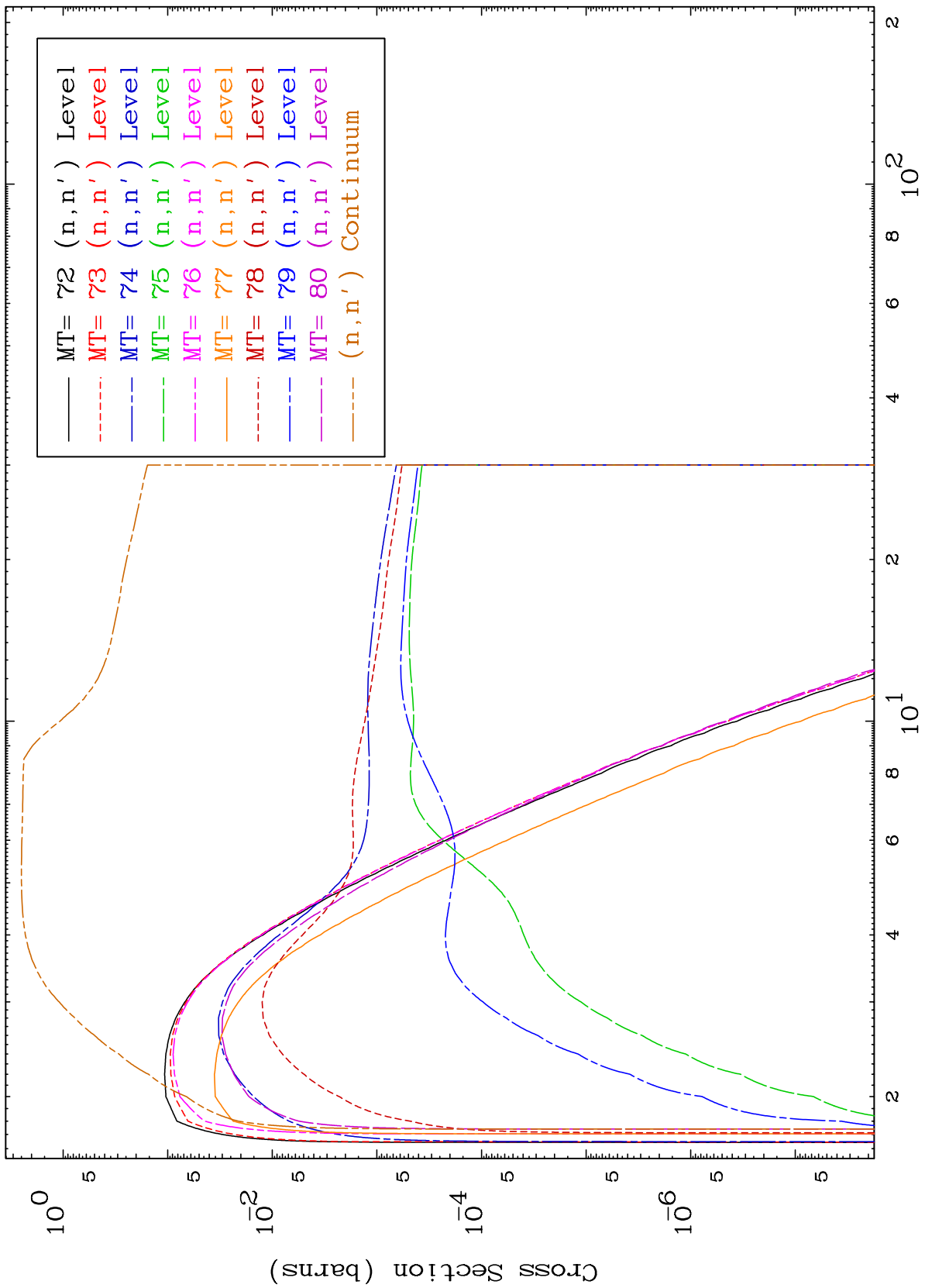


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Incident Energy (MeV)

74-W -180

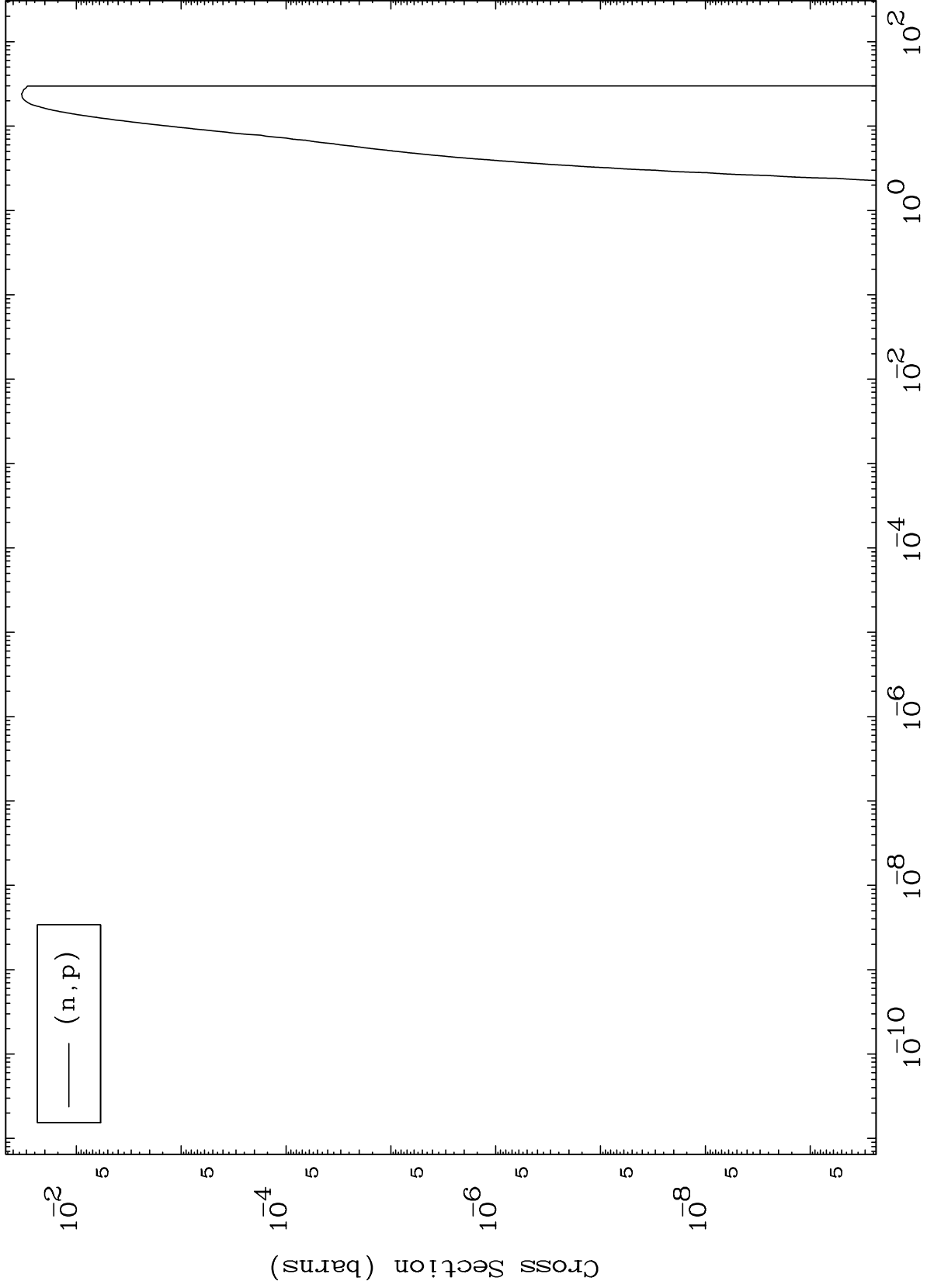
293 Kelvin Cross Sections



MAT 7425

(n,p) Levels  
293 Kelvin Cross Sections

74-W -180



10

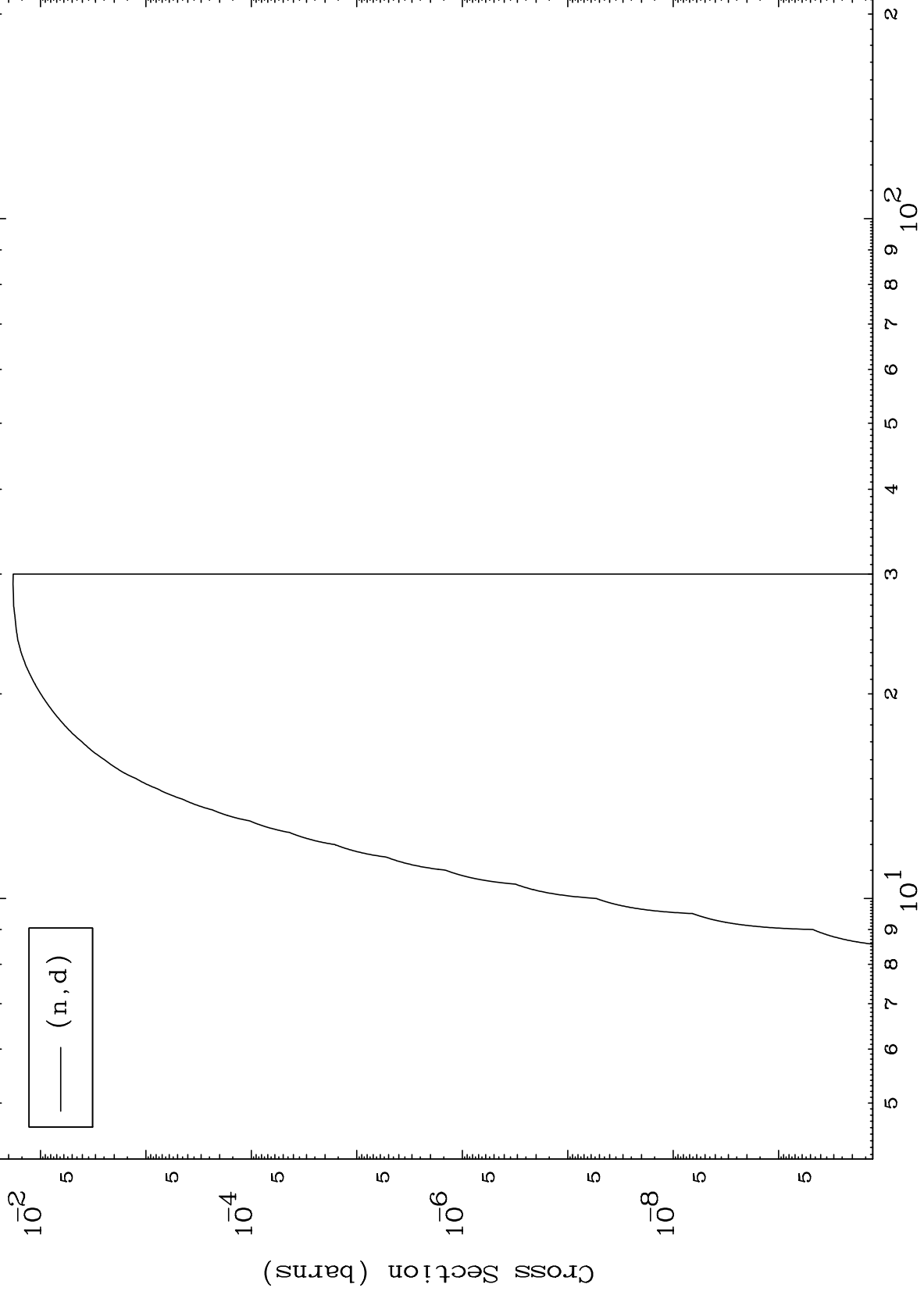
Incident Energy (MeV)

74-W -180

MAT 7425

(n,d) Levels  
293 Kelvin Cross Sections

74-W -180



11

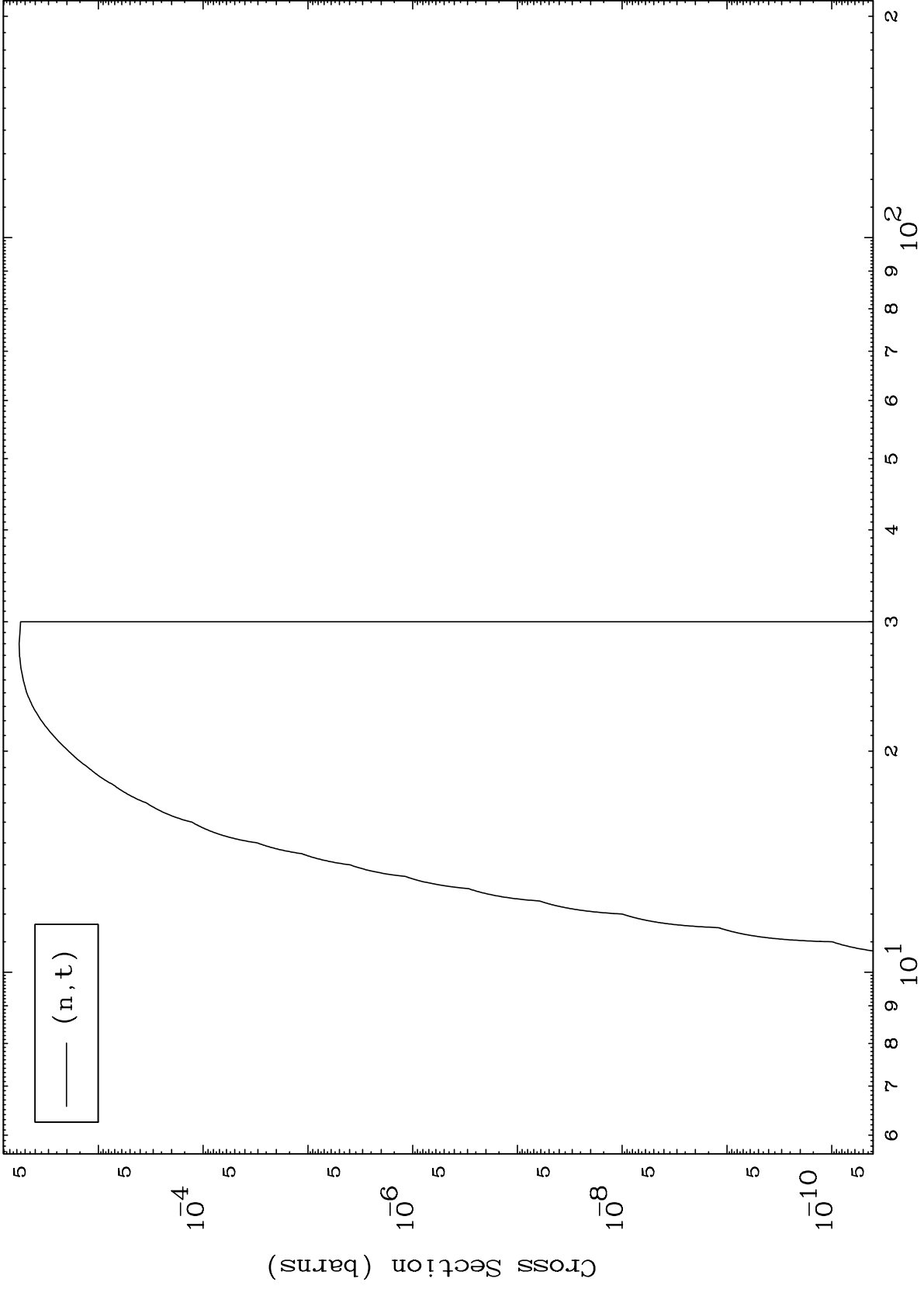
Incident Energy (MeV)

74-W -180

MAT 7425

(n,t) Levels  
293 Kelvin Cross Sections

74-W -180



12

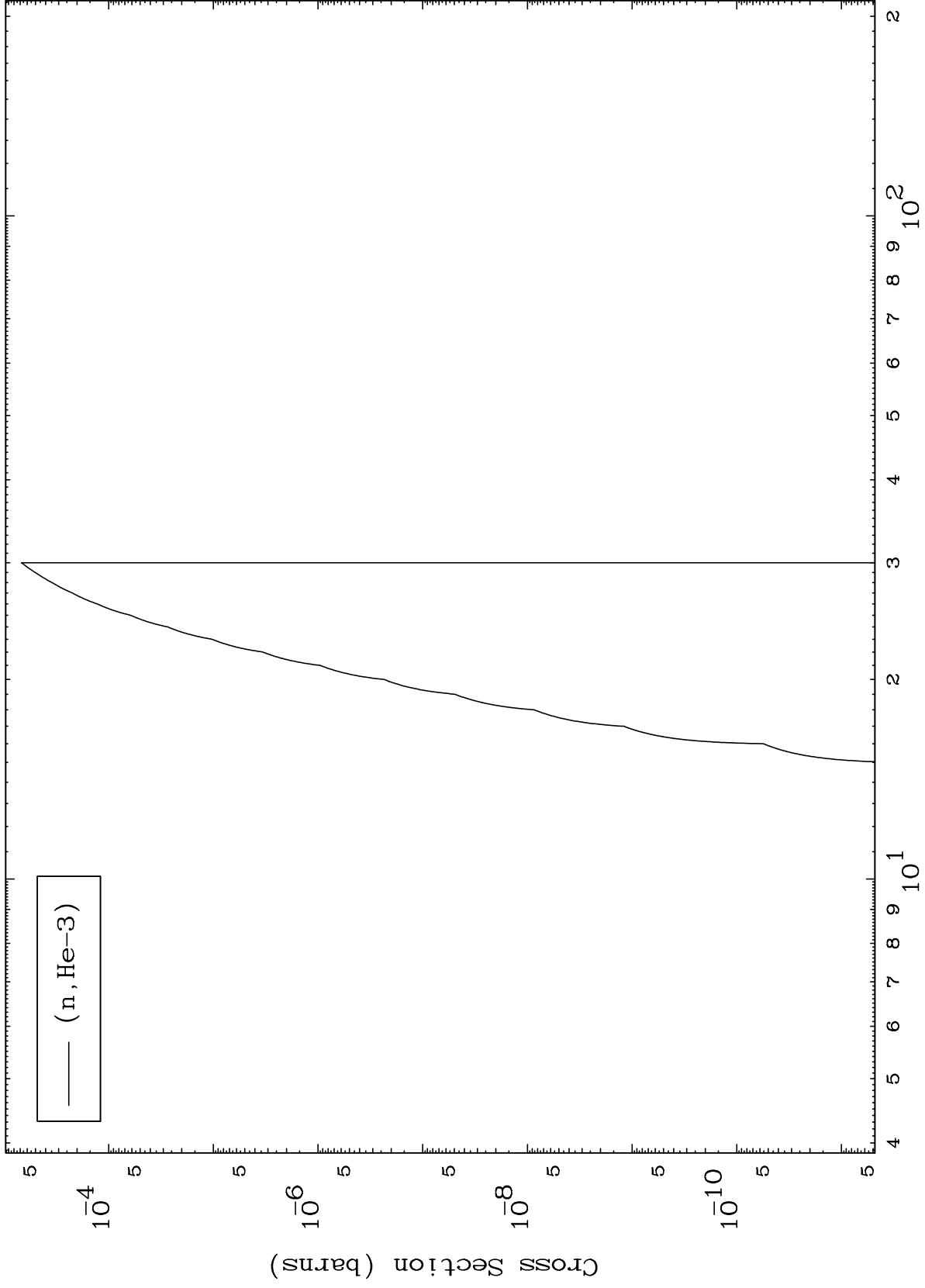
Incident Energy (MeV)

74-W -180

MAT 7425

(n,He3) Levels  
293 Kelvin Cross Sections

74-W -180



13

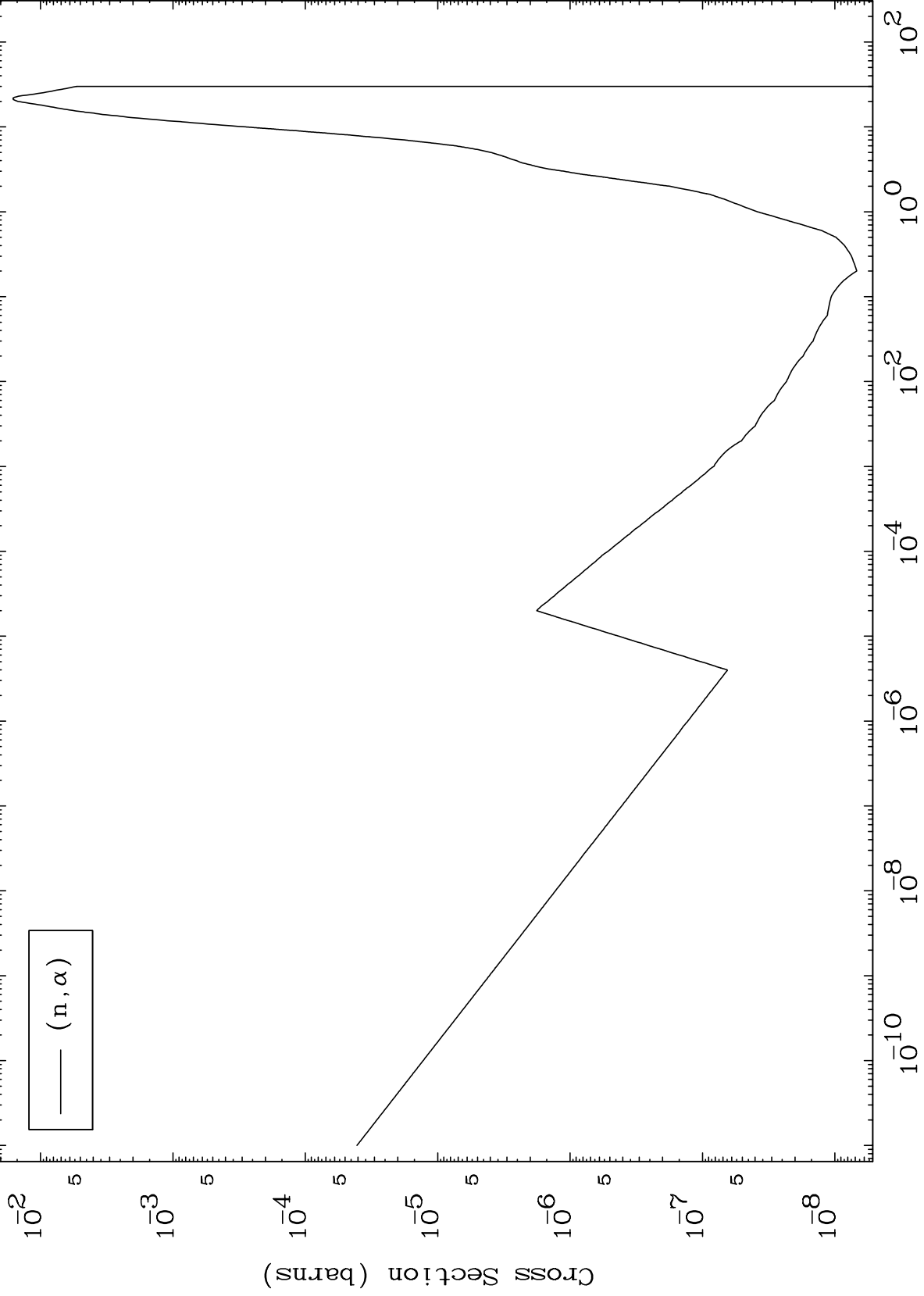
Incident Energy (MeV)

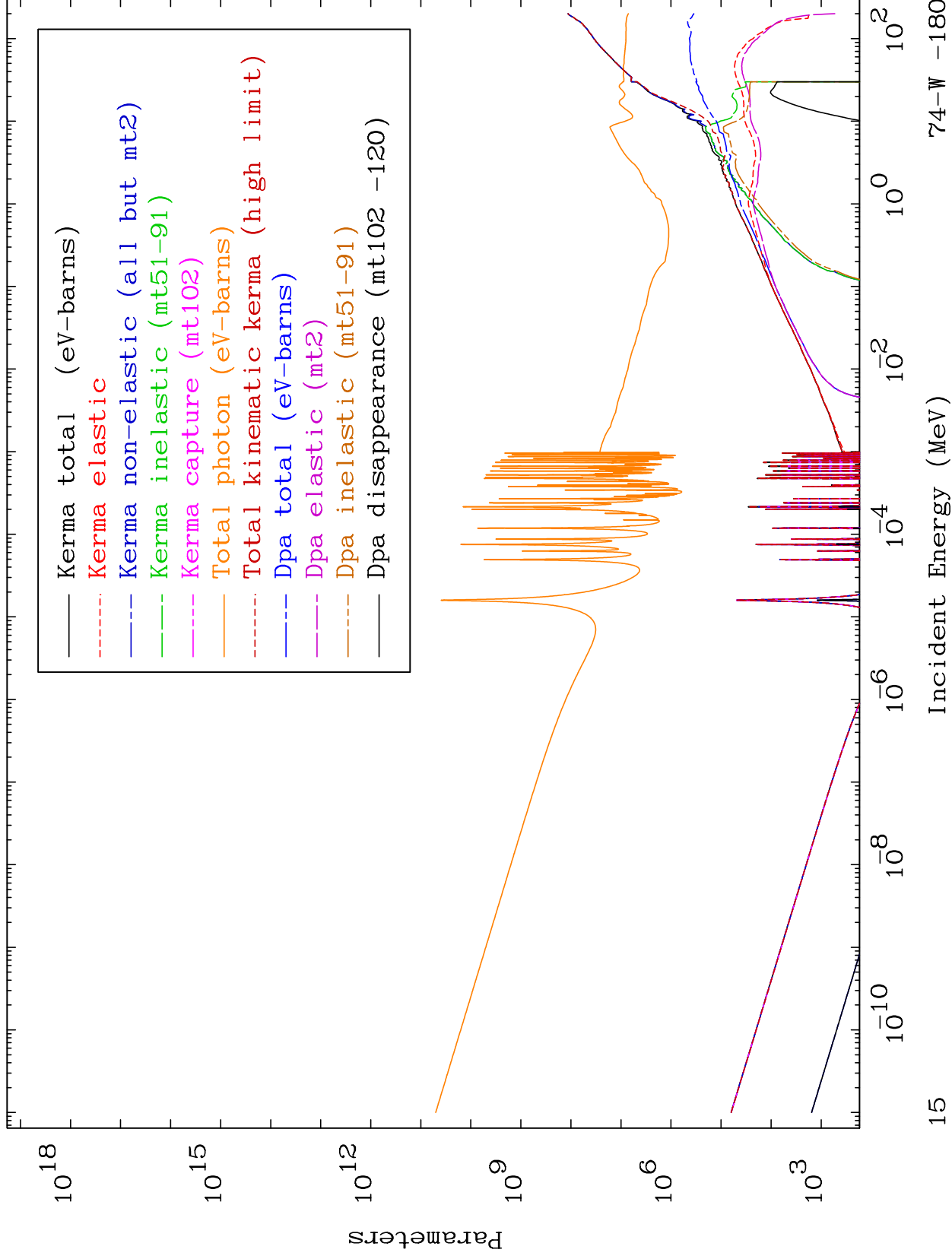
74-W -180

MAT 7425

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

74-W -180



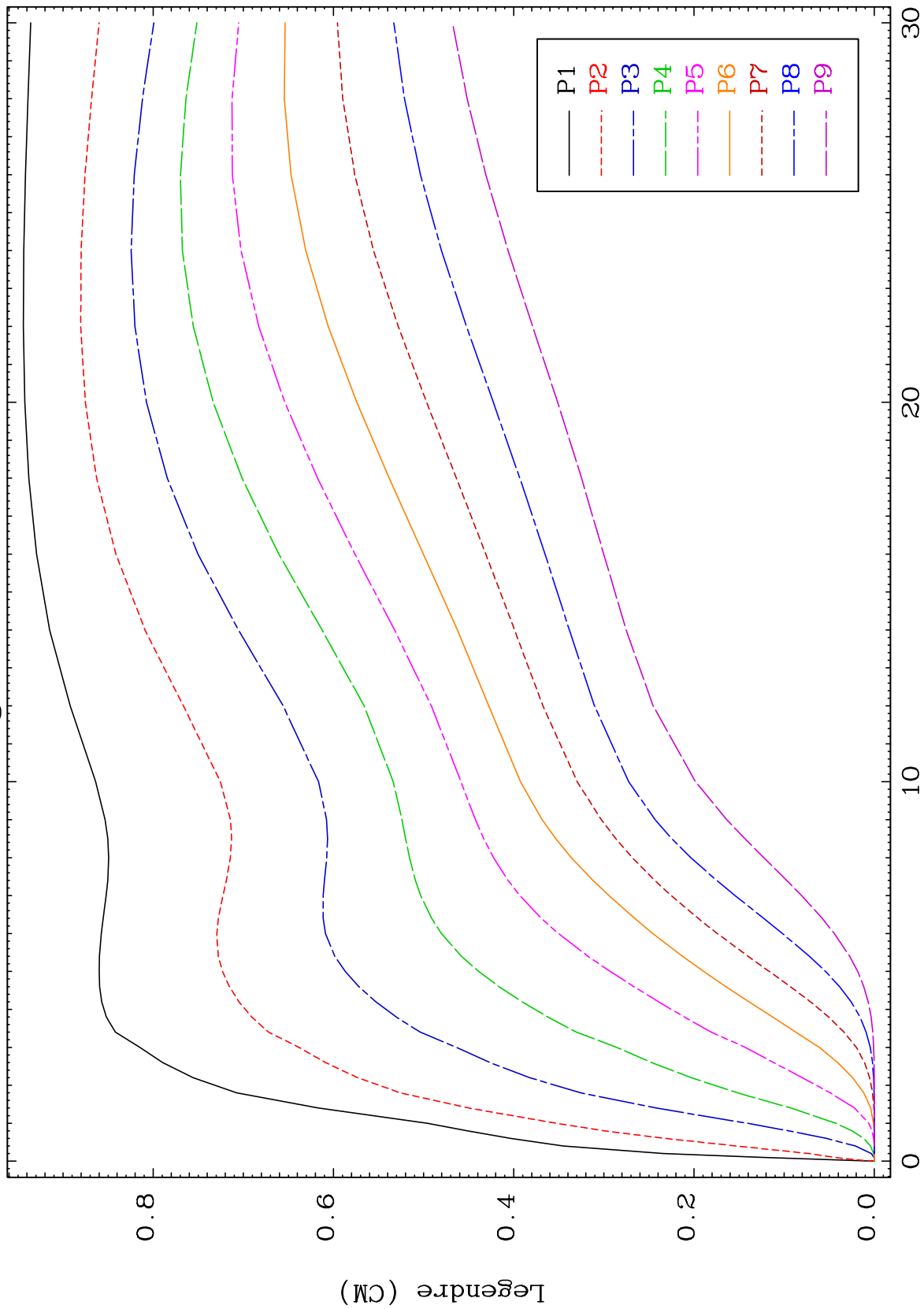




MAT 7425

Elastic Legendre Coefficients

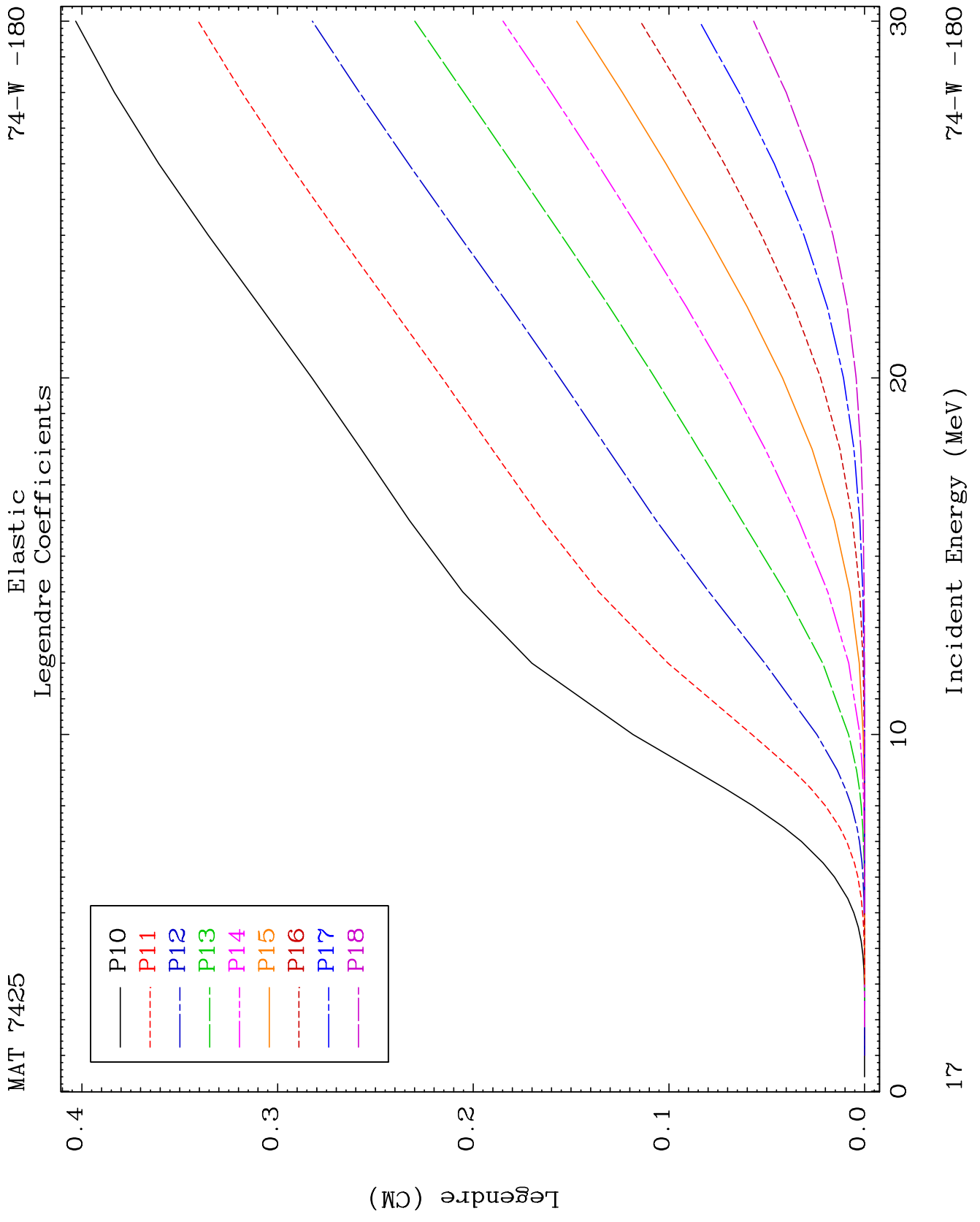
74-W -180



16

Incident Energy (MeV)

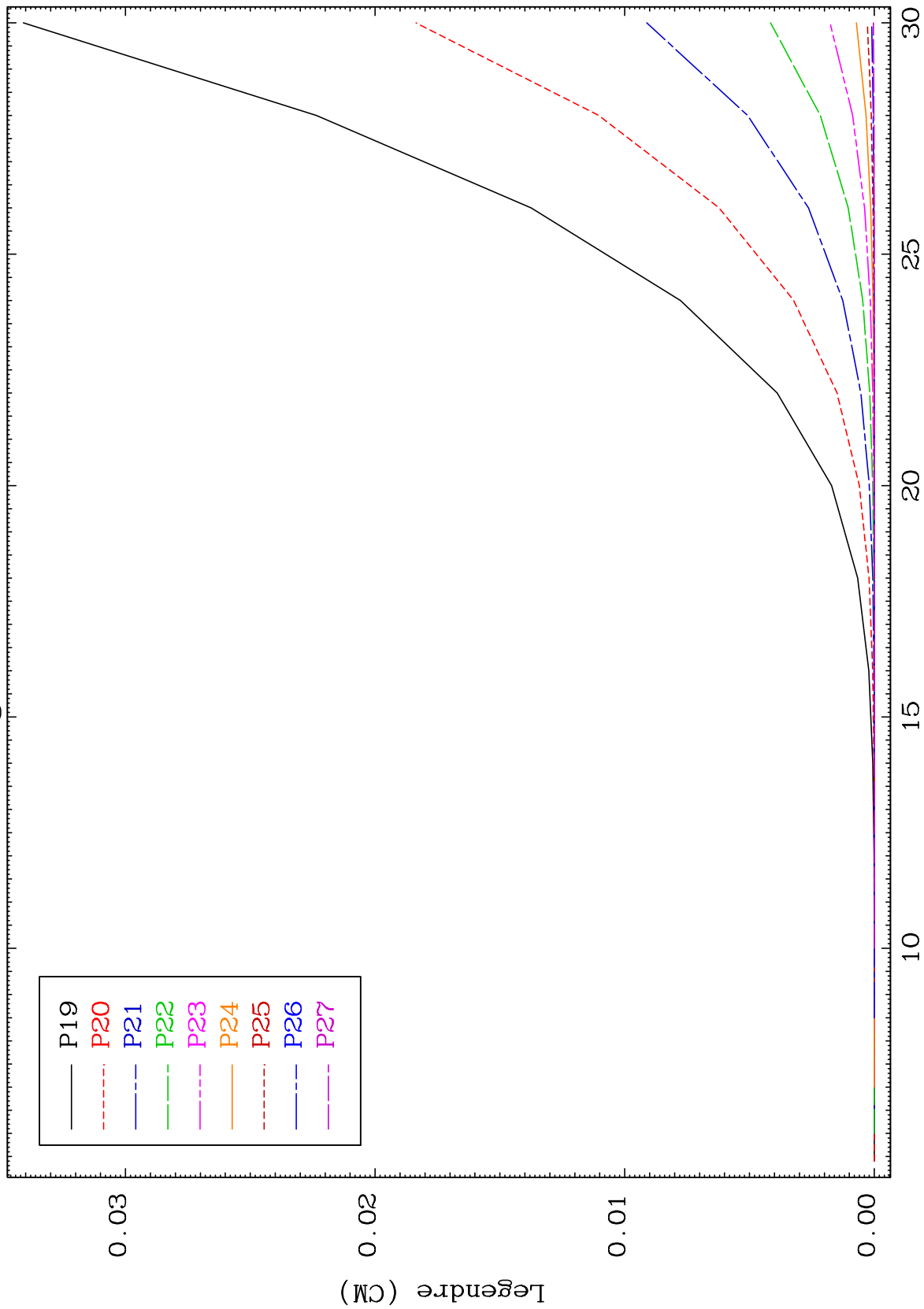
74-W -180



MAT 7425

### Elastic Legendre Coefficients

74-W -180



18

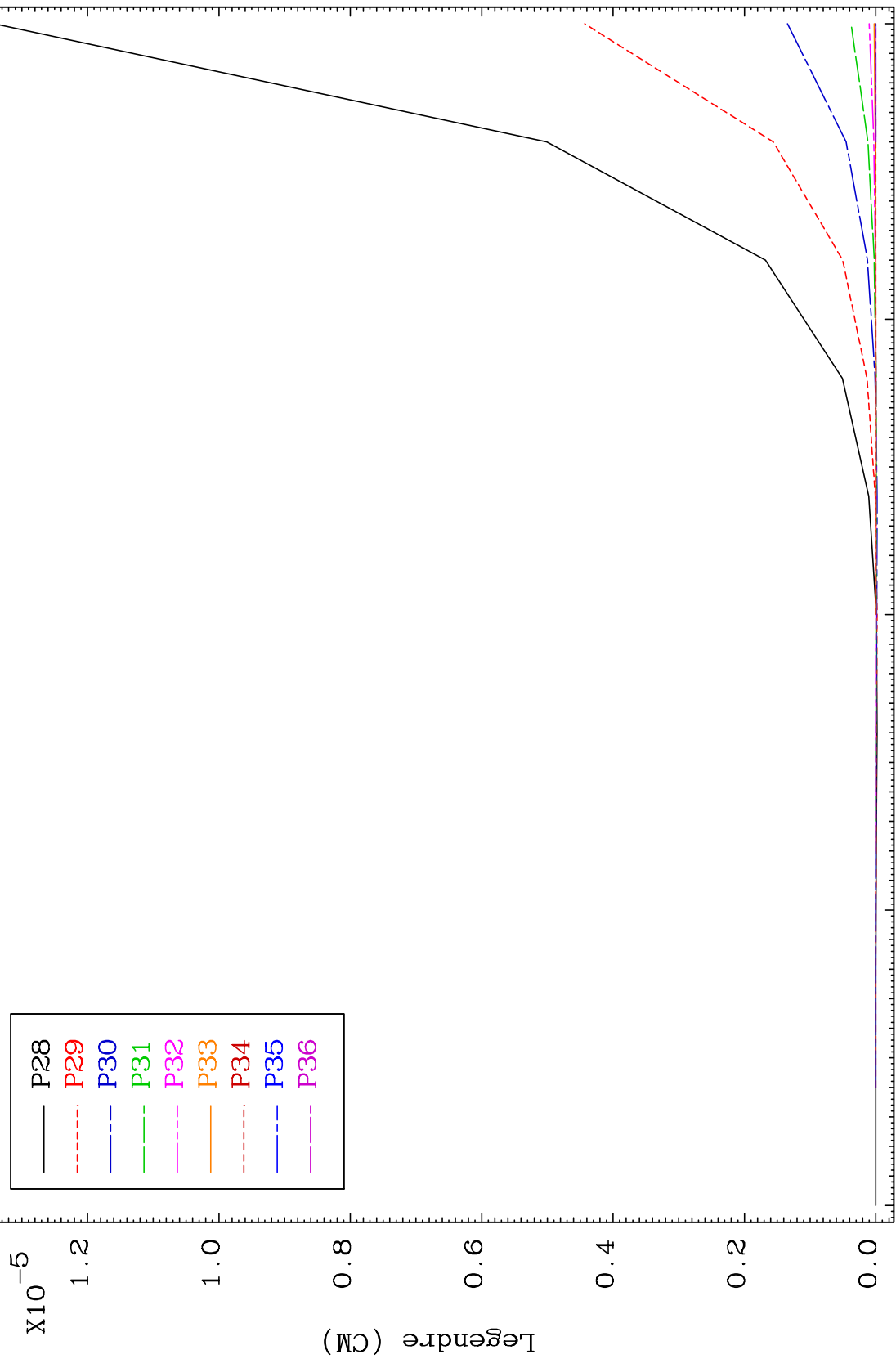
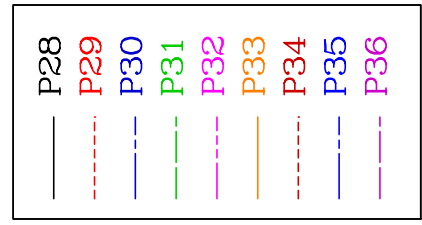
Incident Energy (MeV)

74-W -180

MAT 7425

Elastic Legendre Coefficients

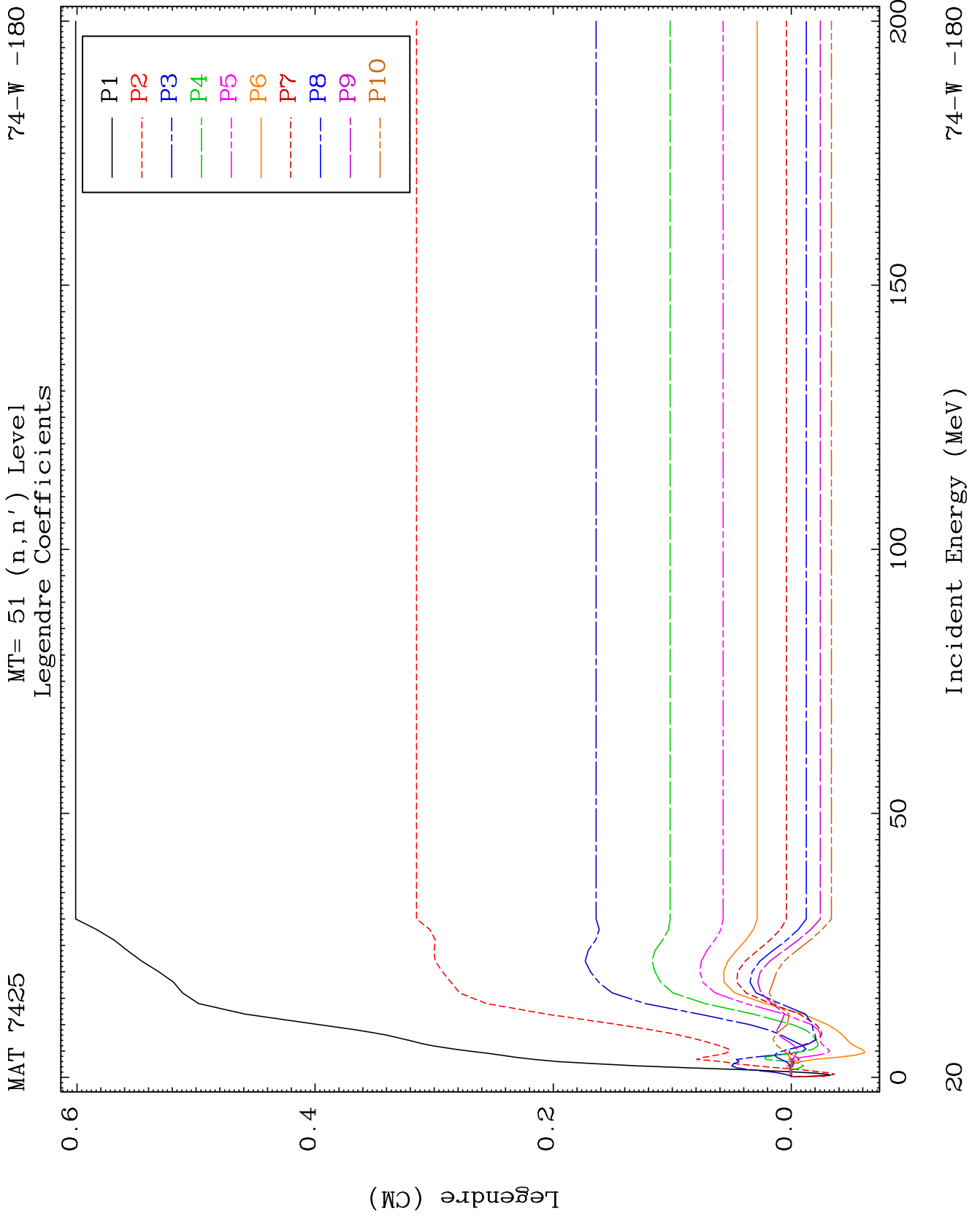
74-W -180



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Incident Energy (MeV)

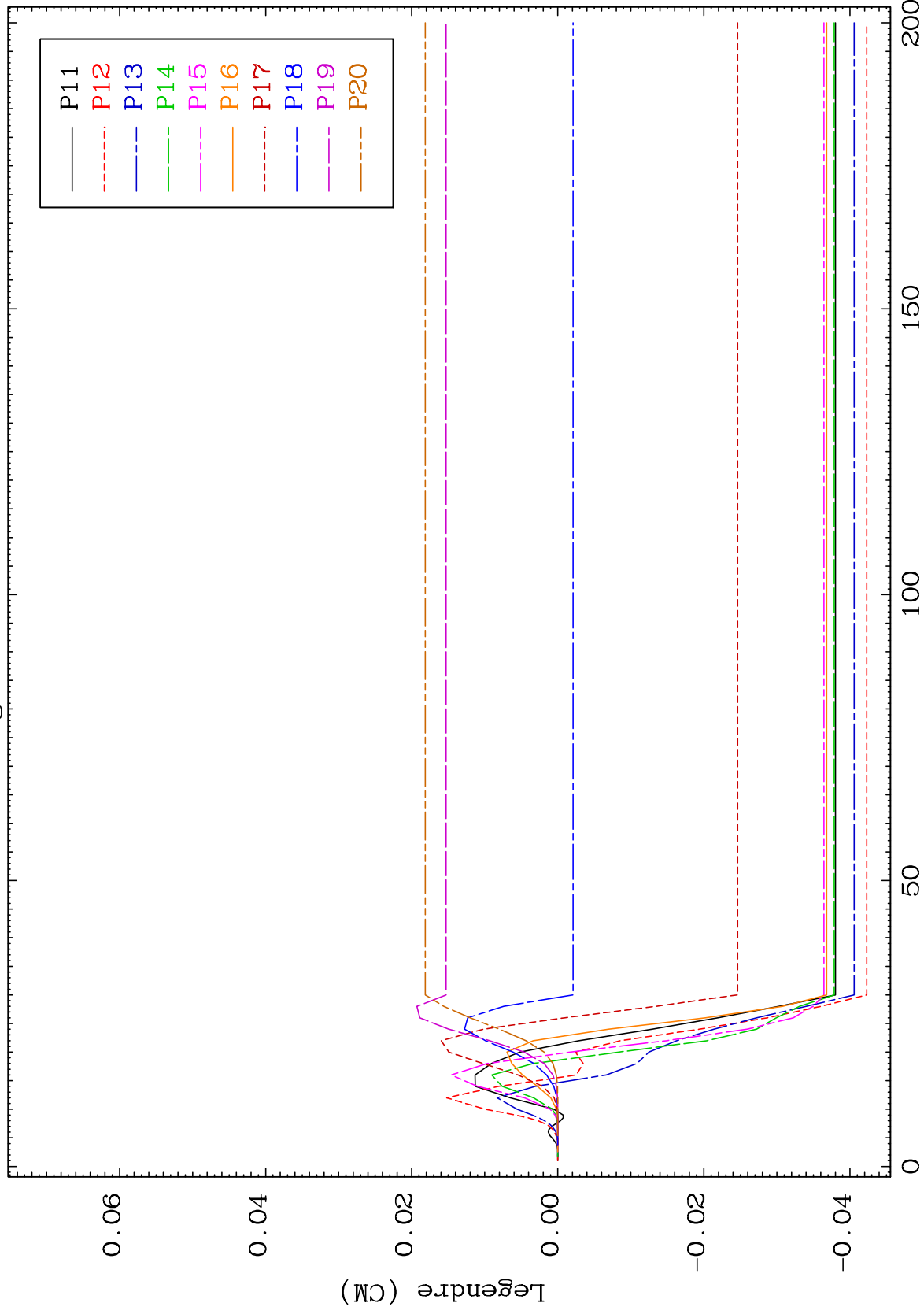
74-W -180



MAT 7425

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

74-W -180



21

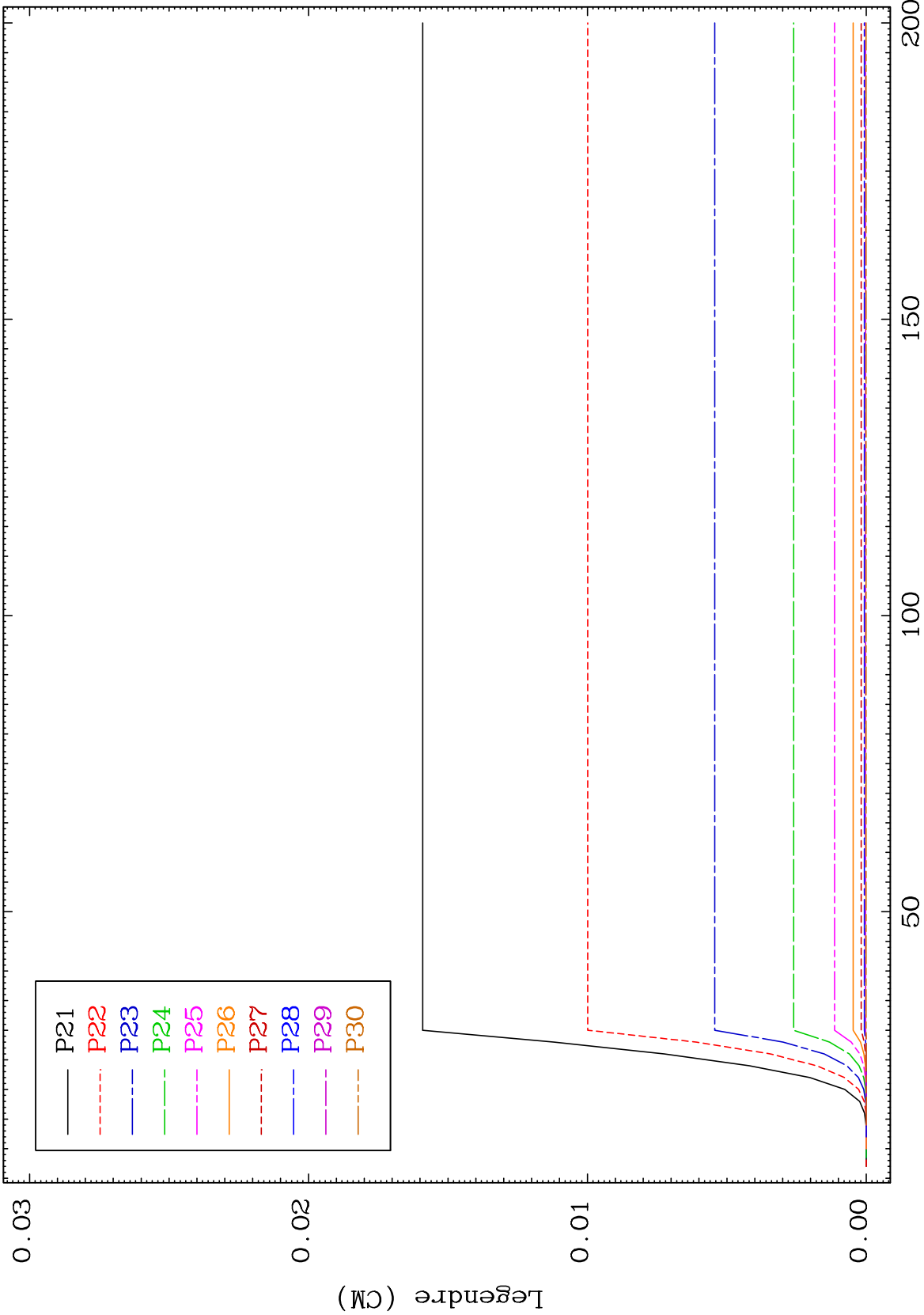
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180



22

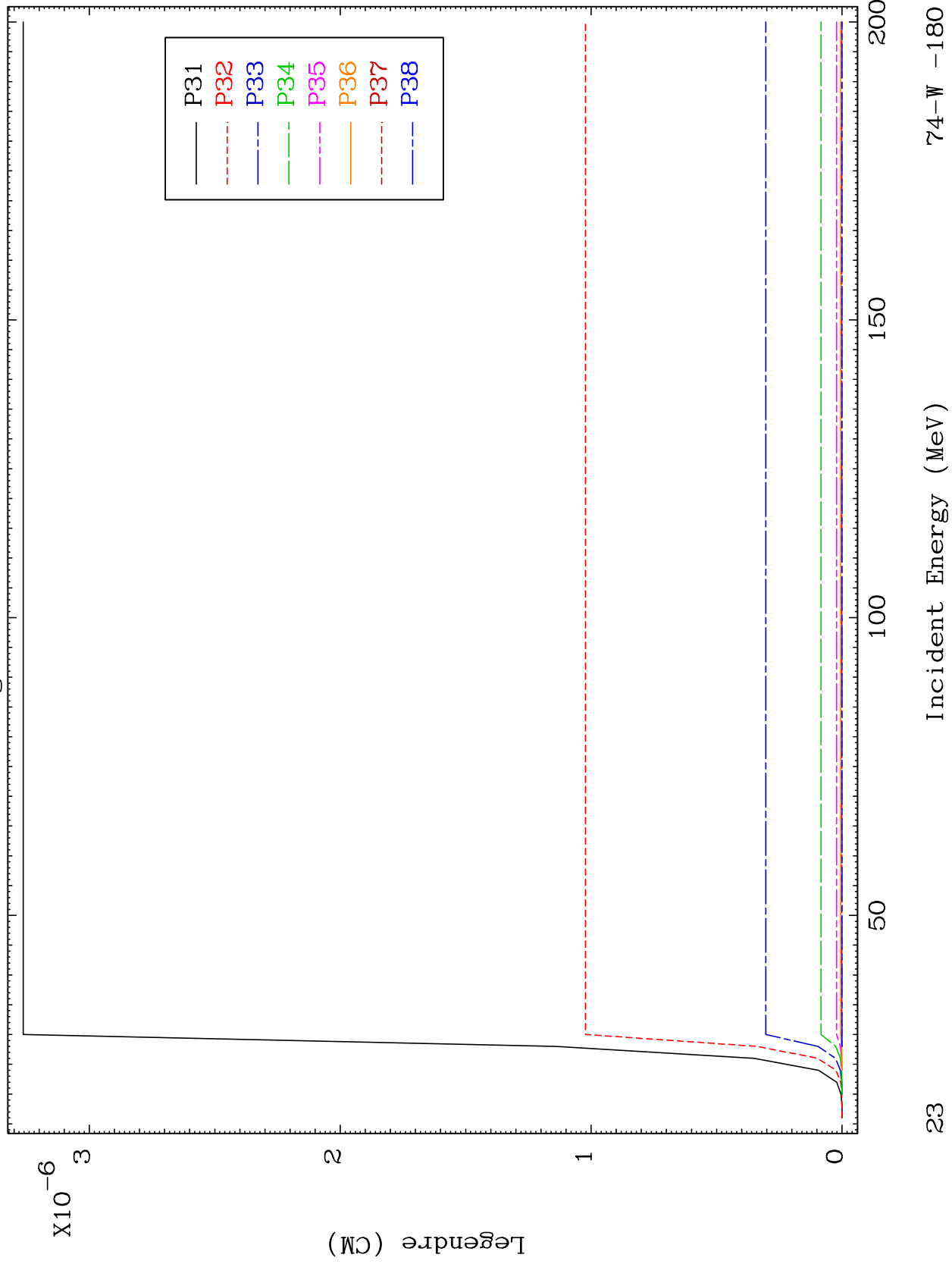
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180

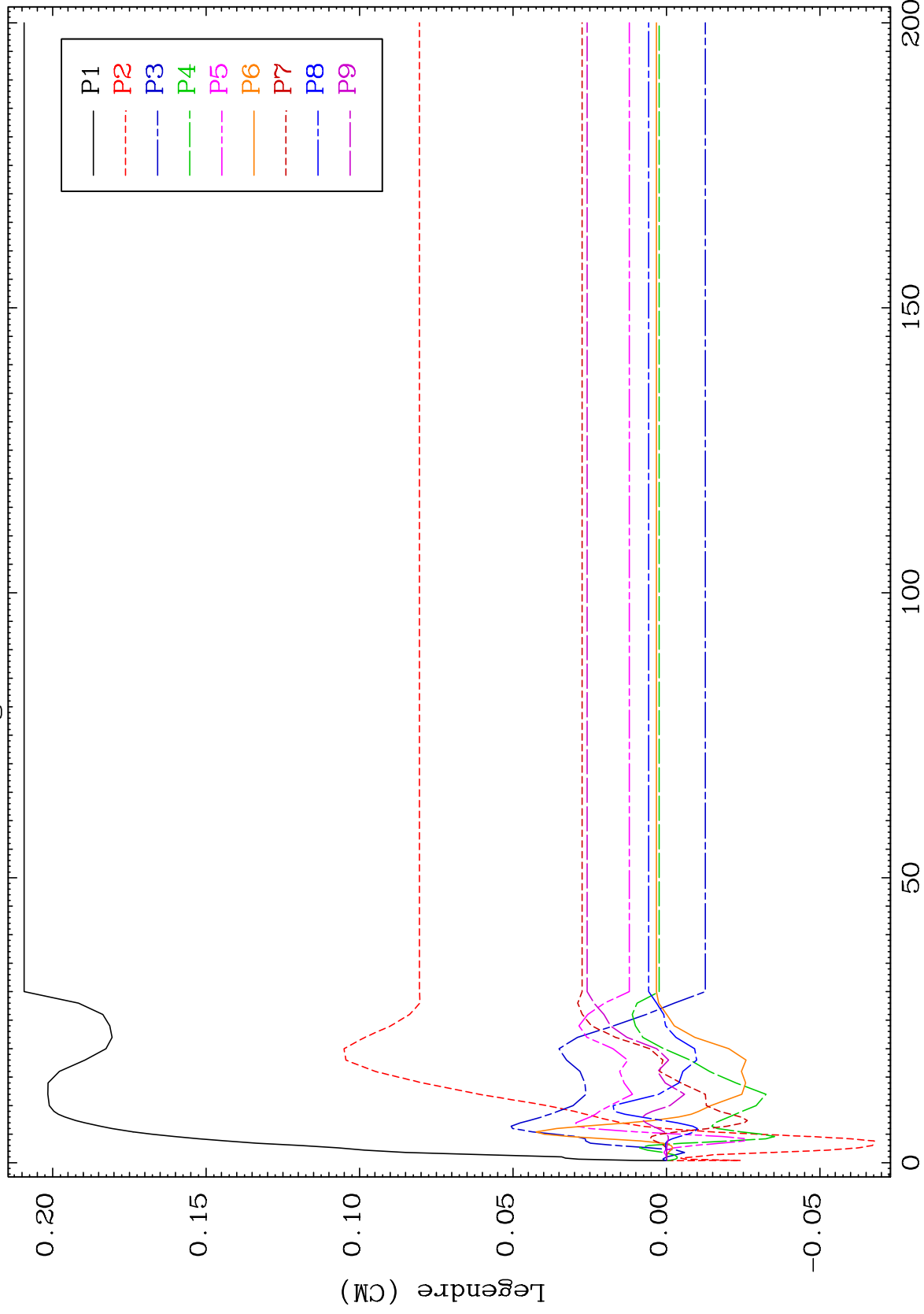




MAT 7425

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

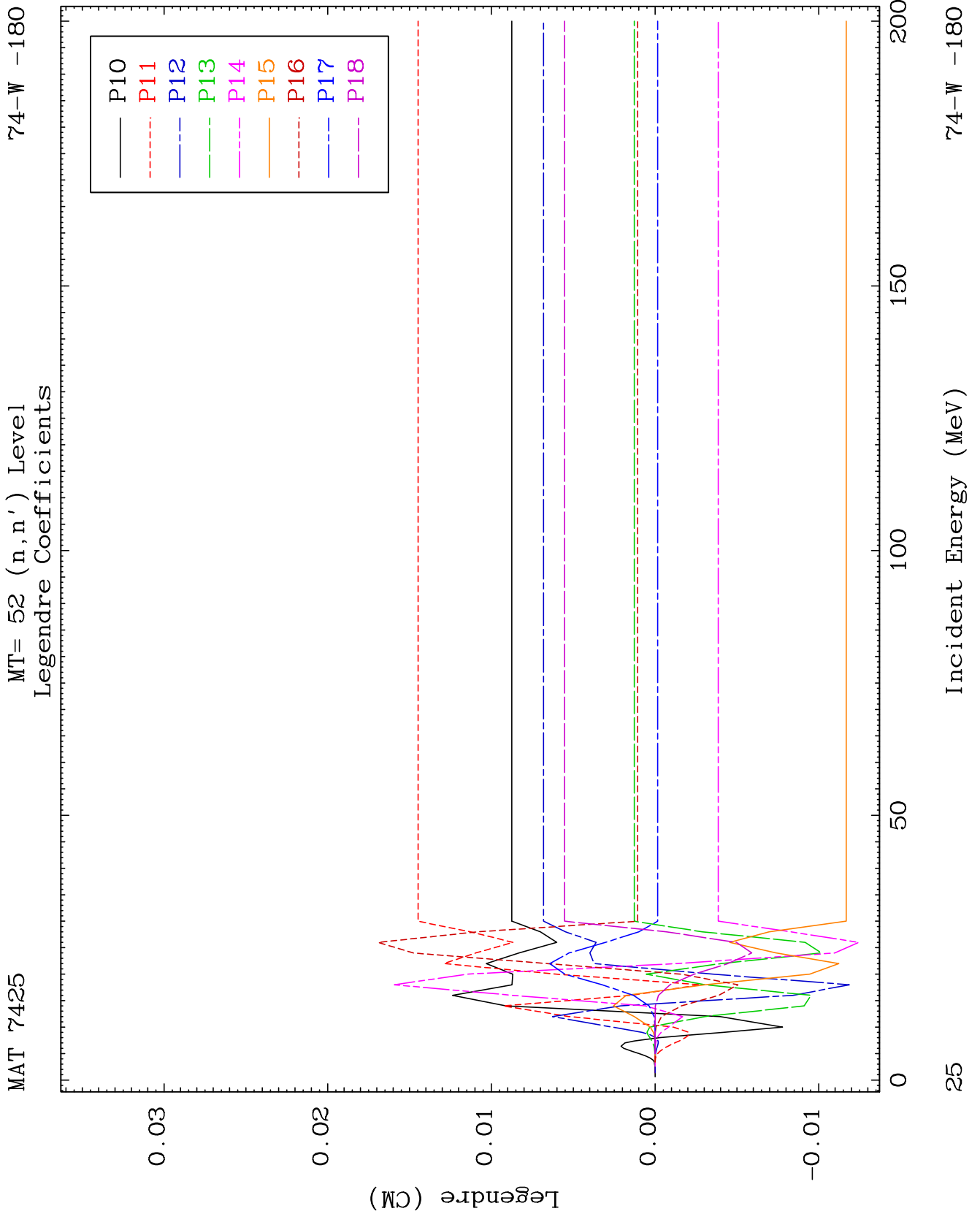
74-W -180

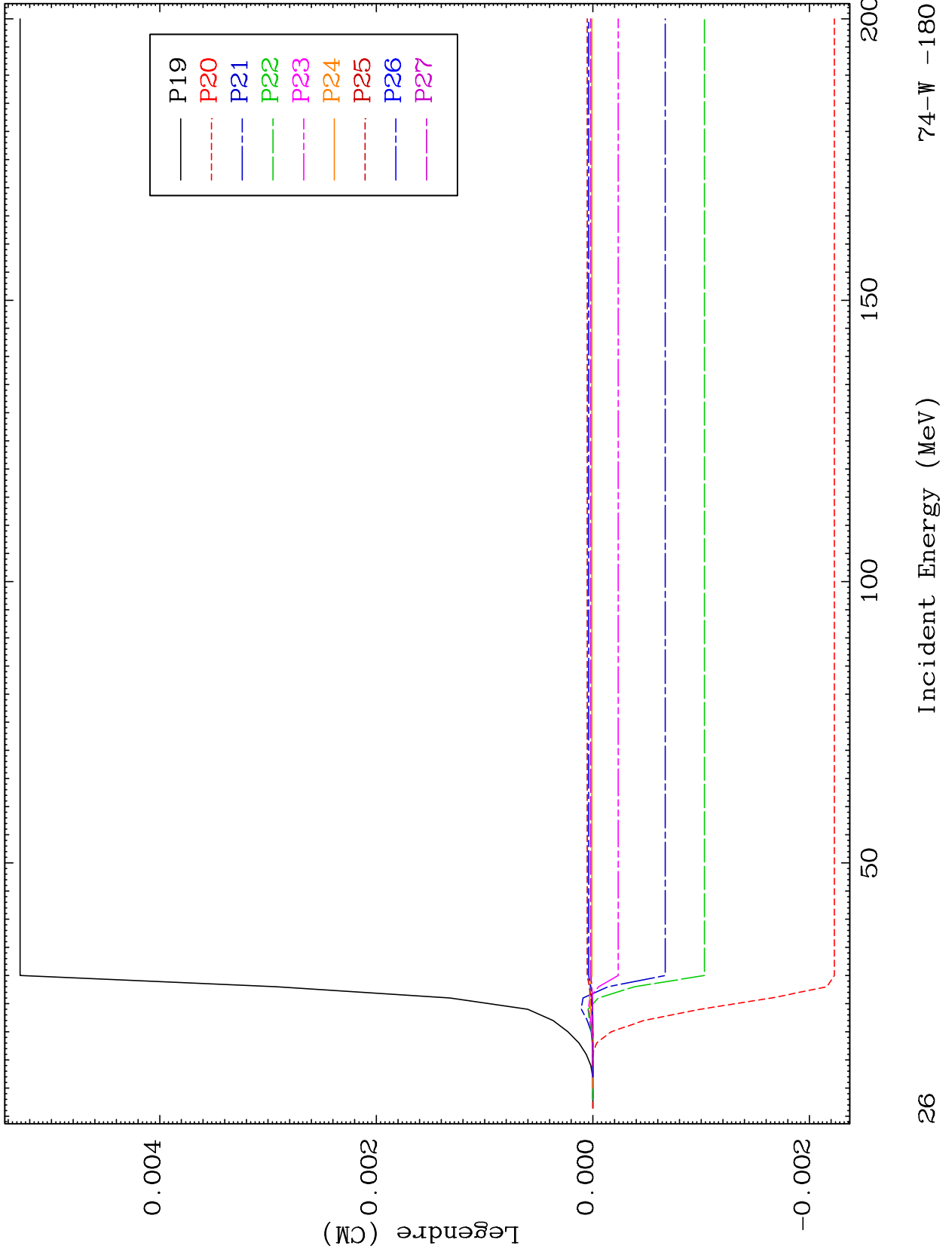


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Incident Energy (MeV)

74-W -180

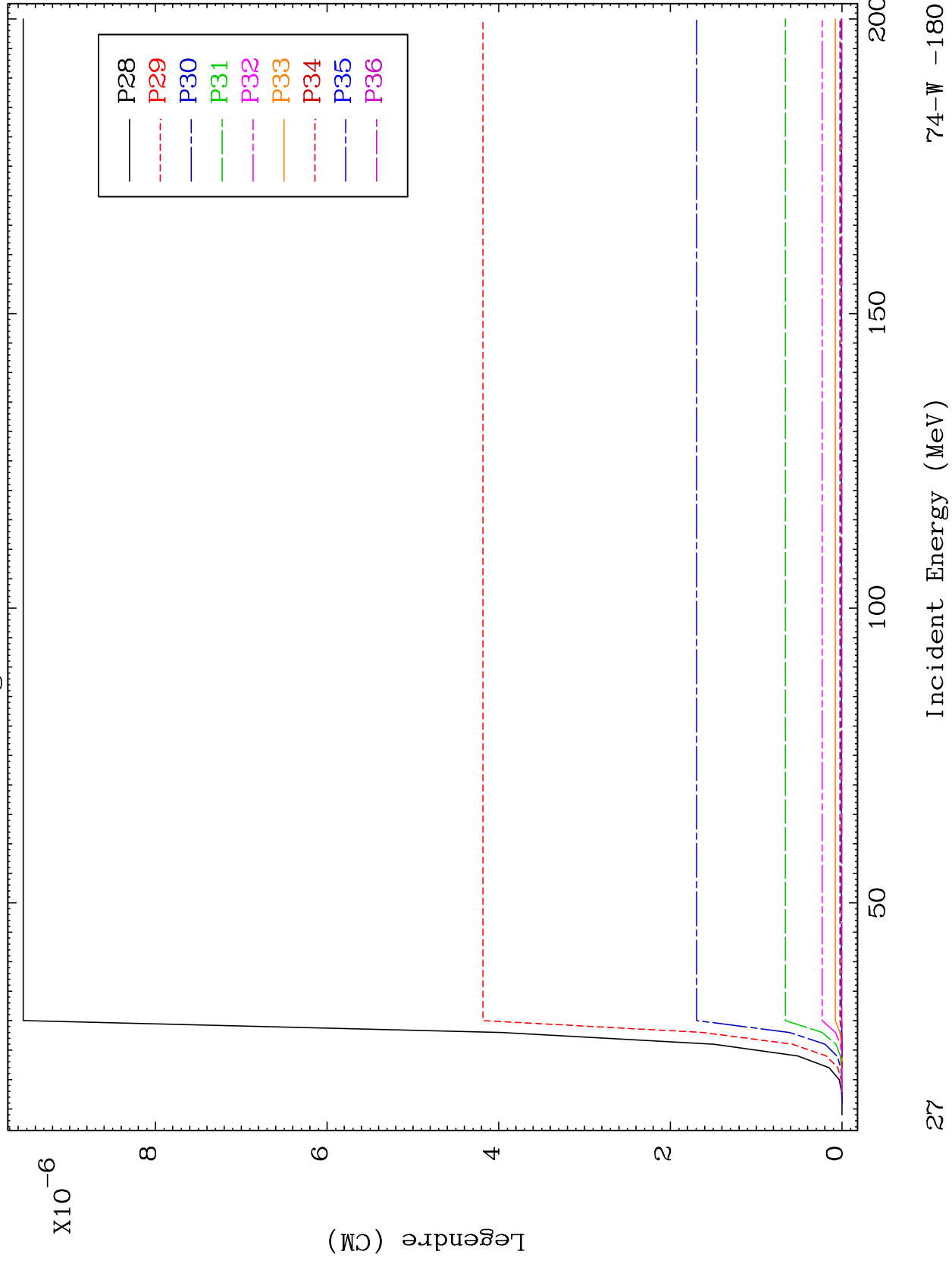




MAT 7425

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

74-W -180



27

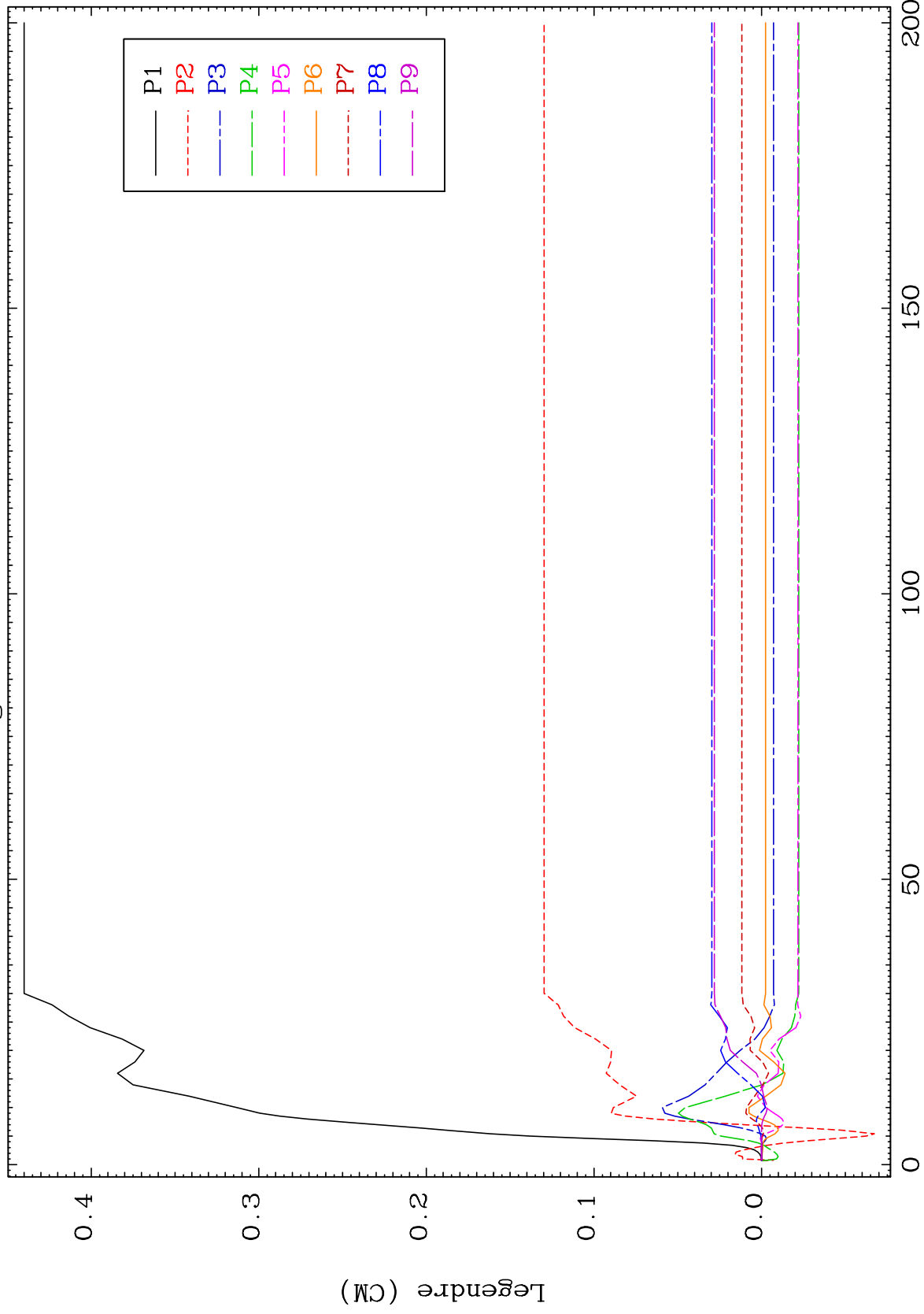
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180



28

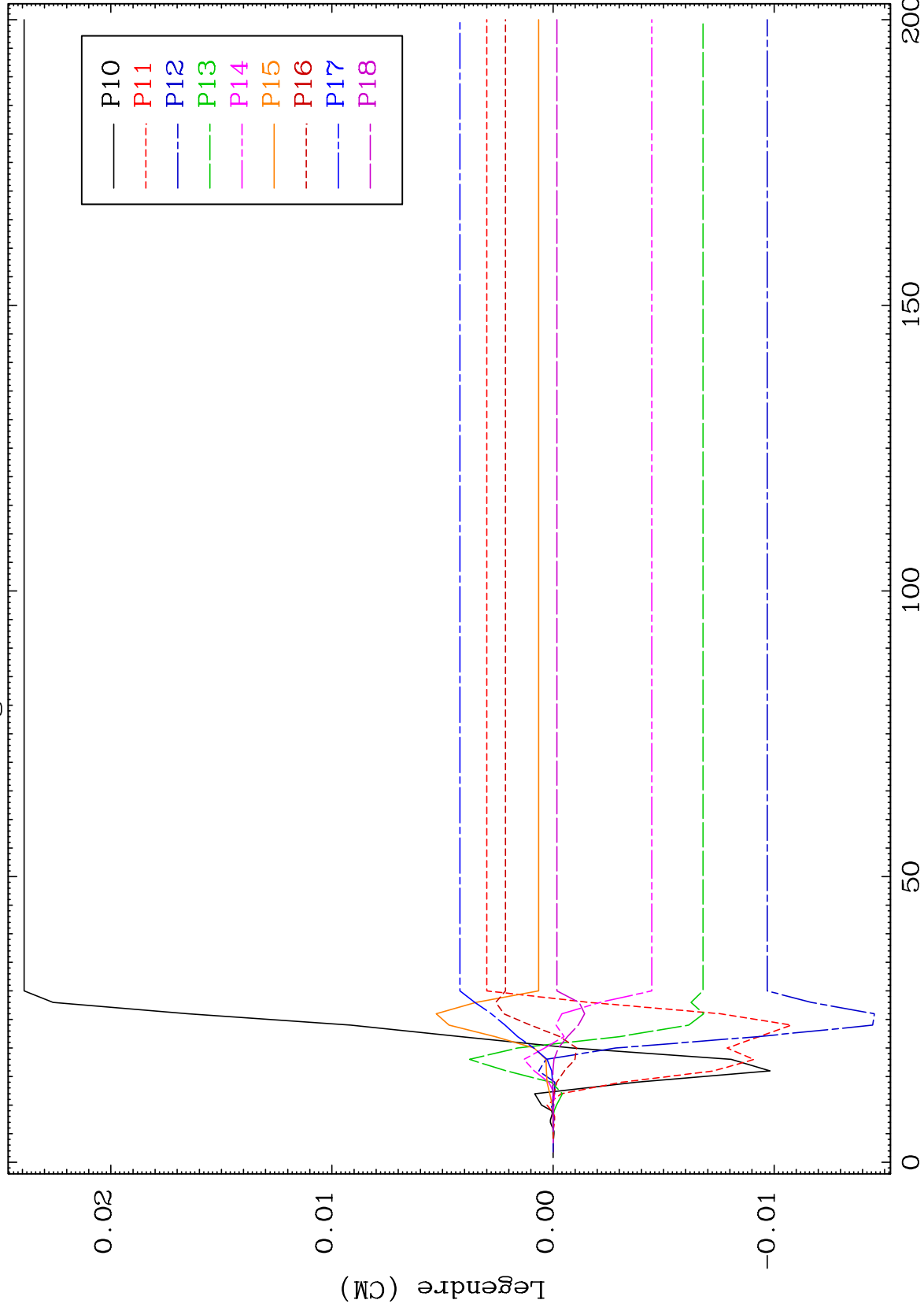
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180



29

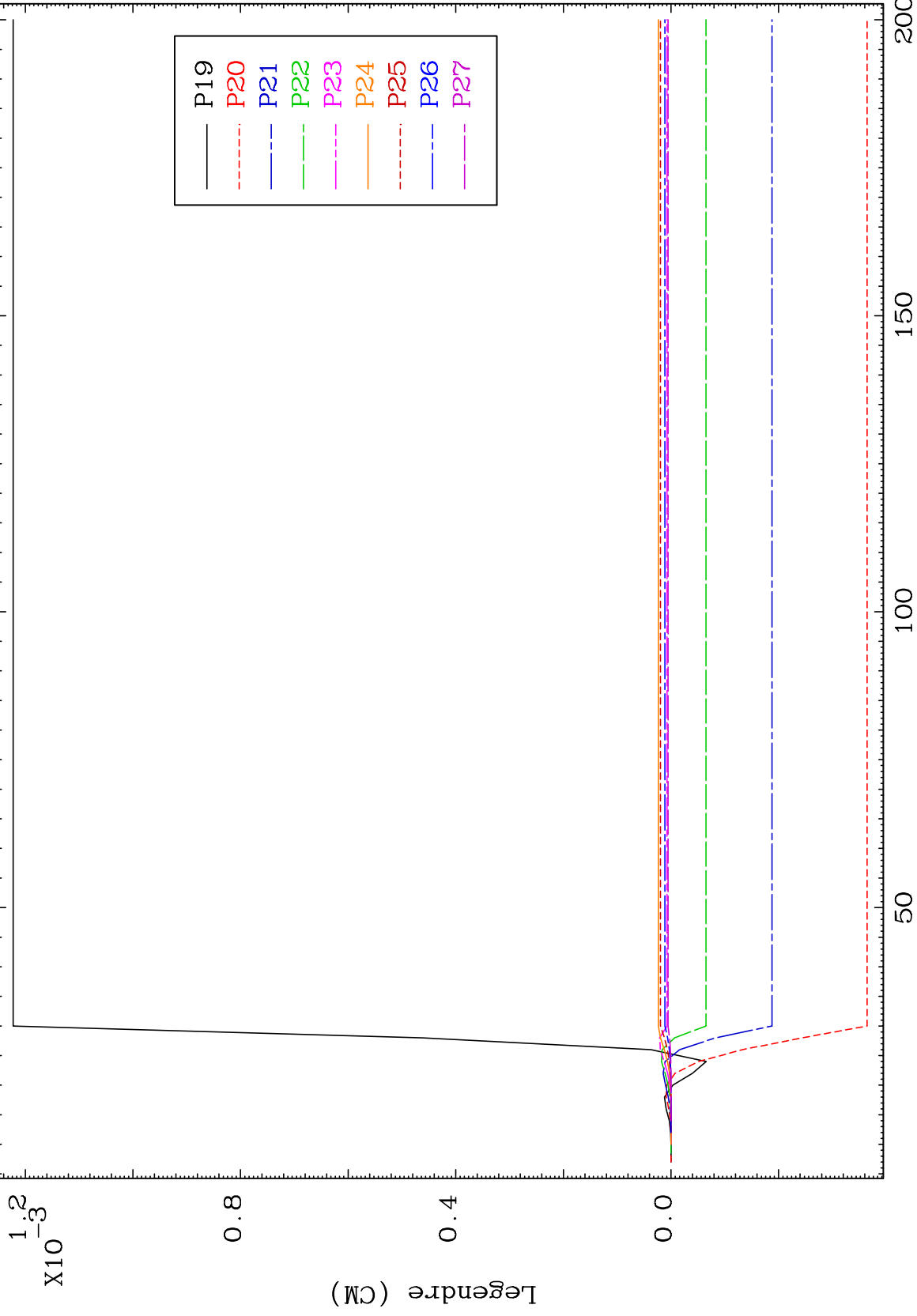
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180



30

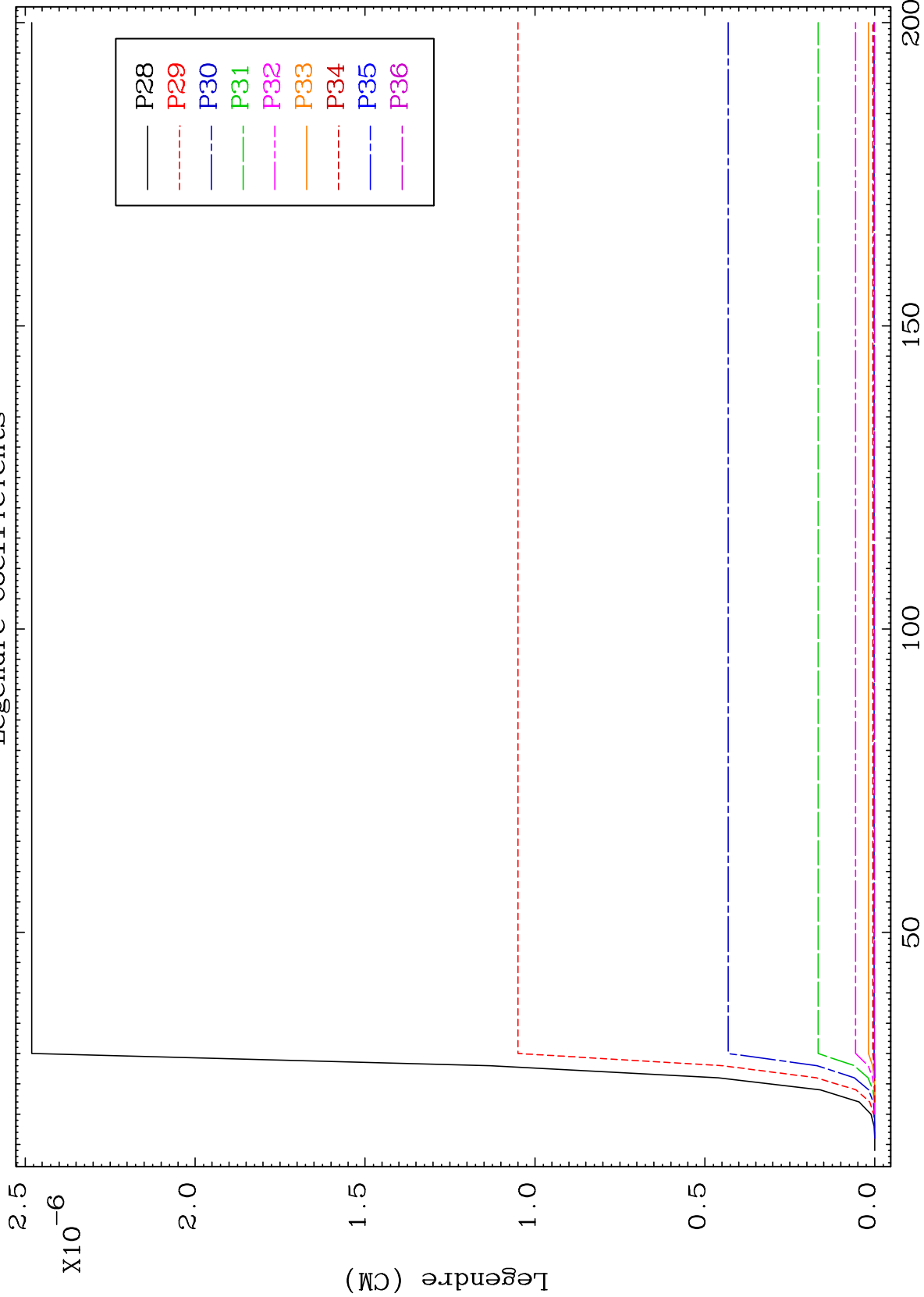
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180

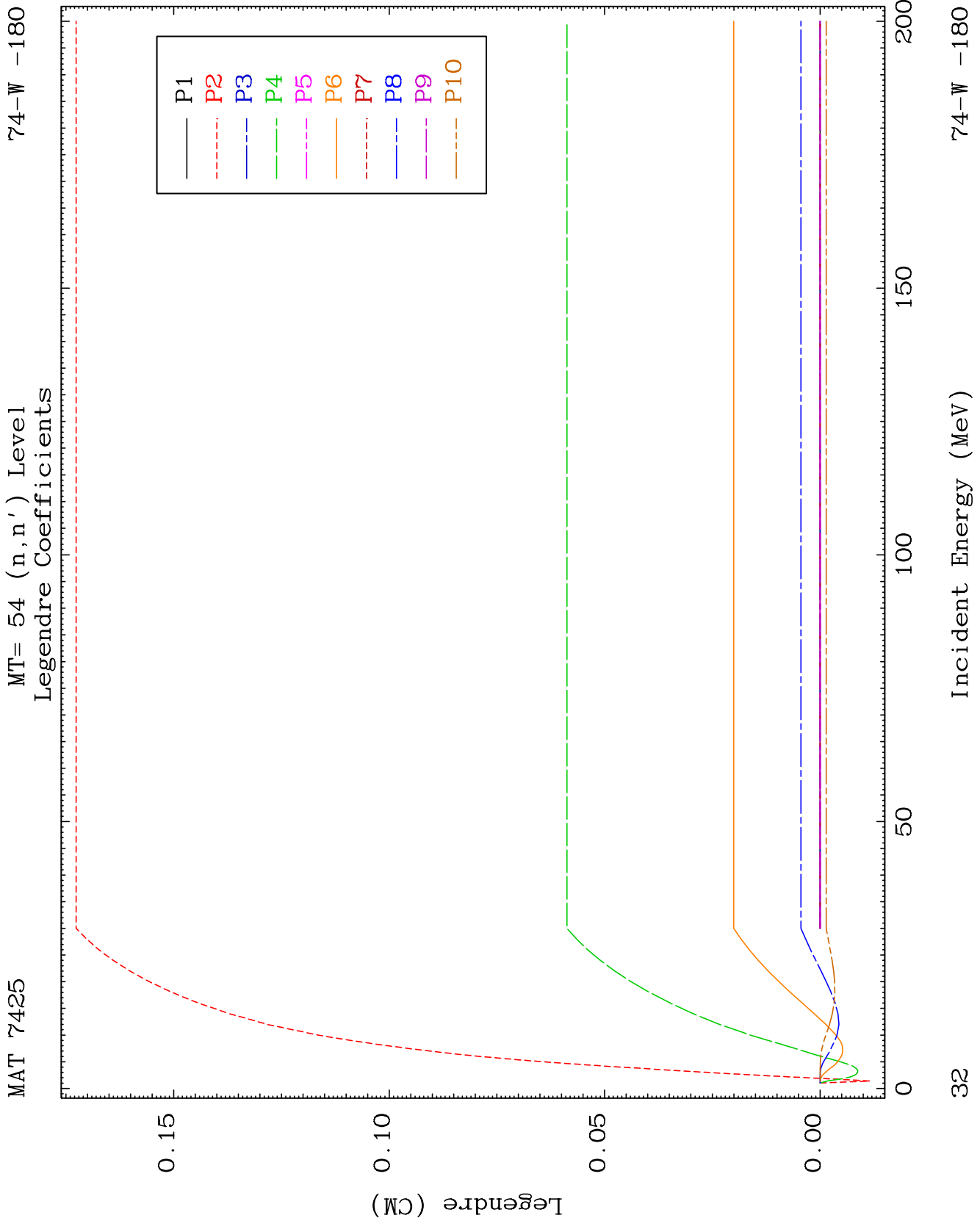


31

Incident Energy (MeV)

74-W -180

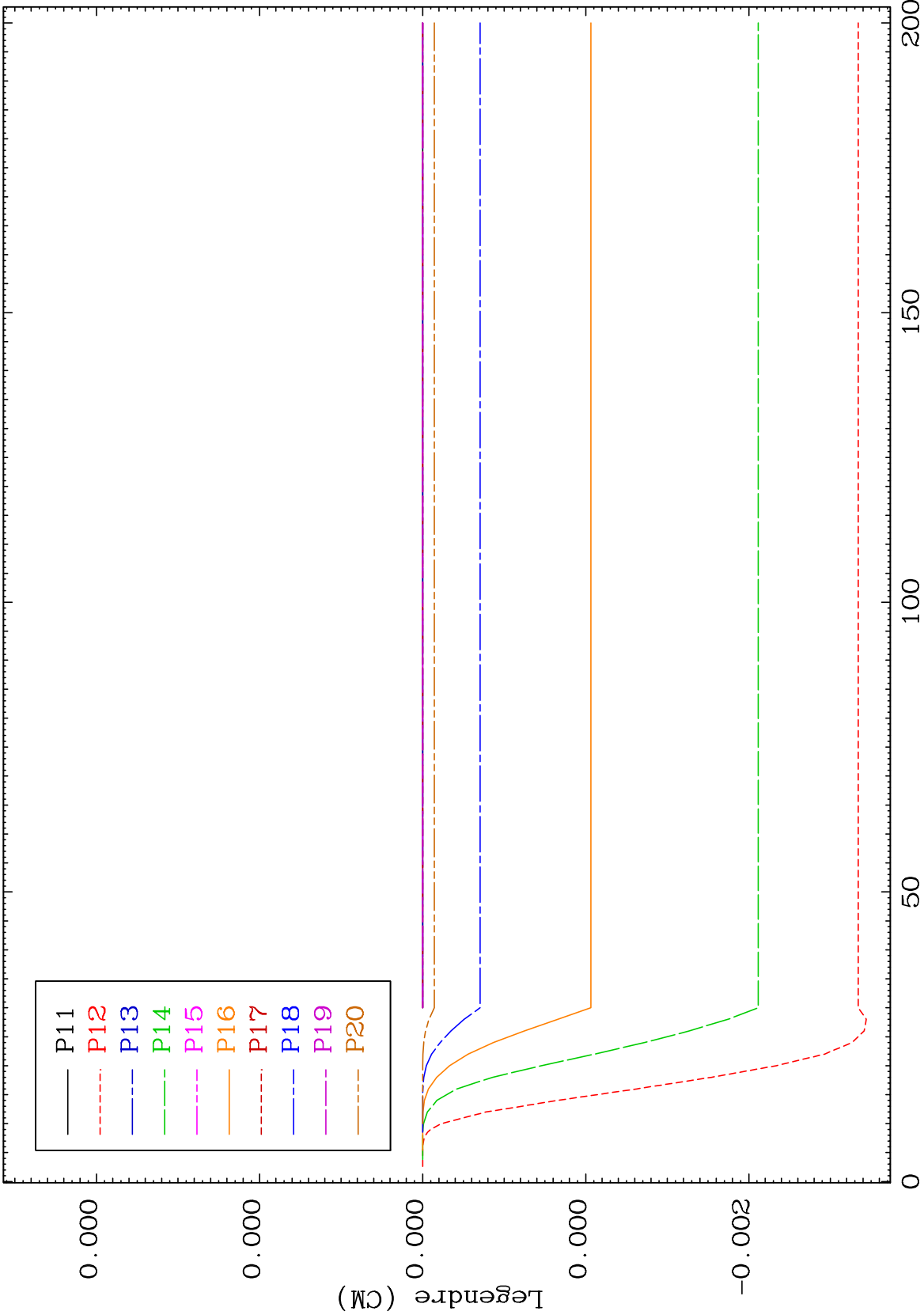




MAT 7425

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

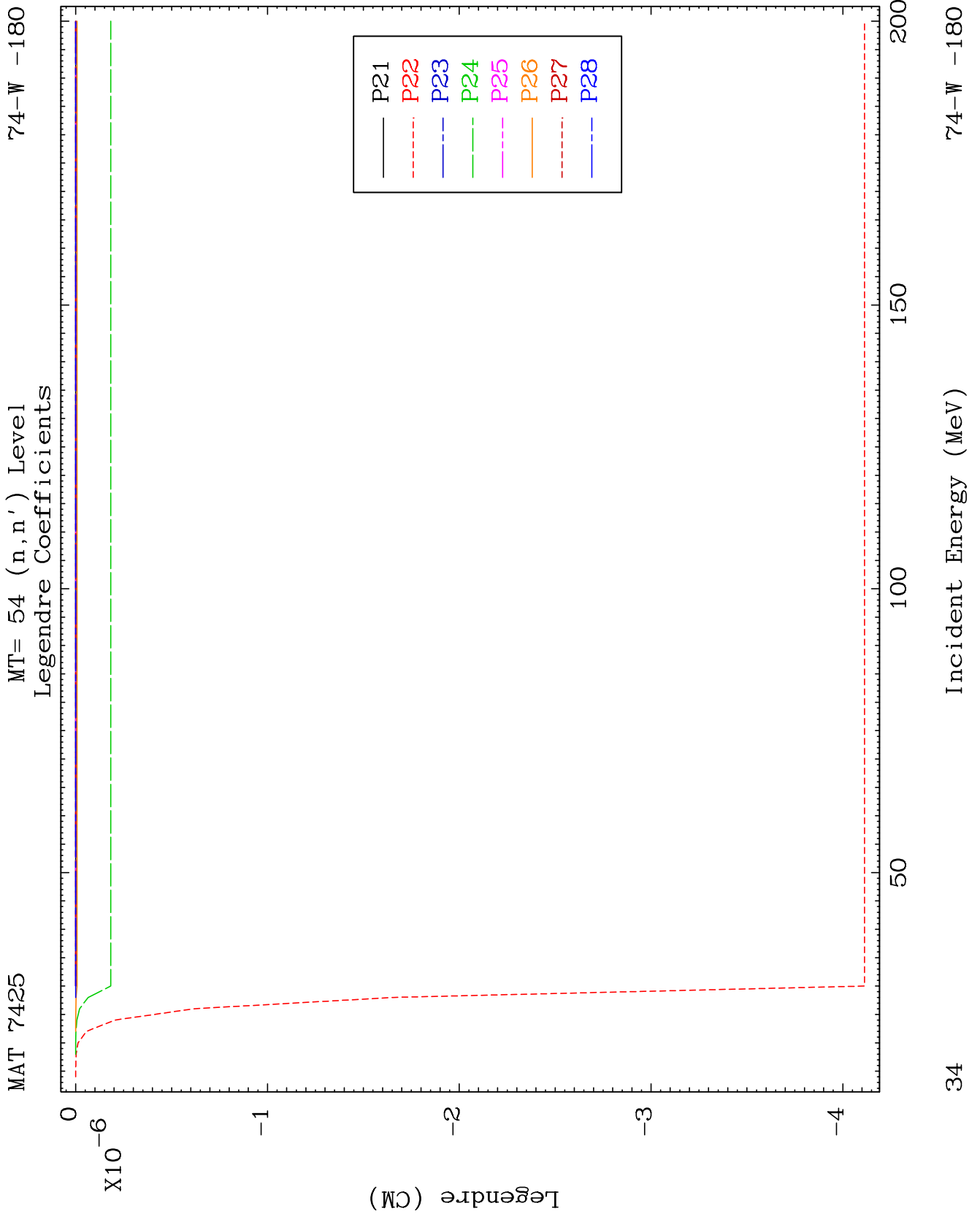
74-W -180



33

Incident Energy (MeV)

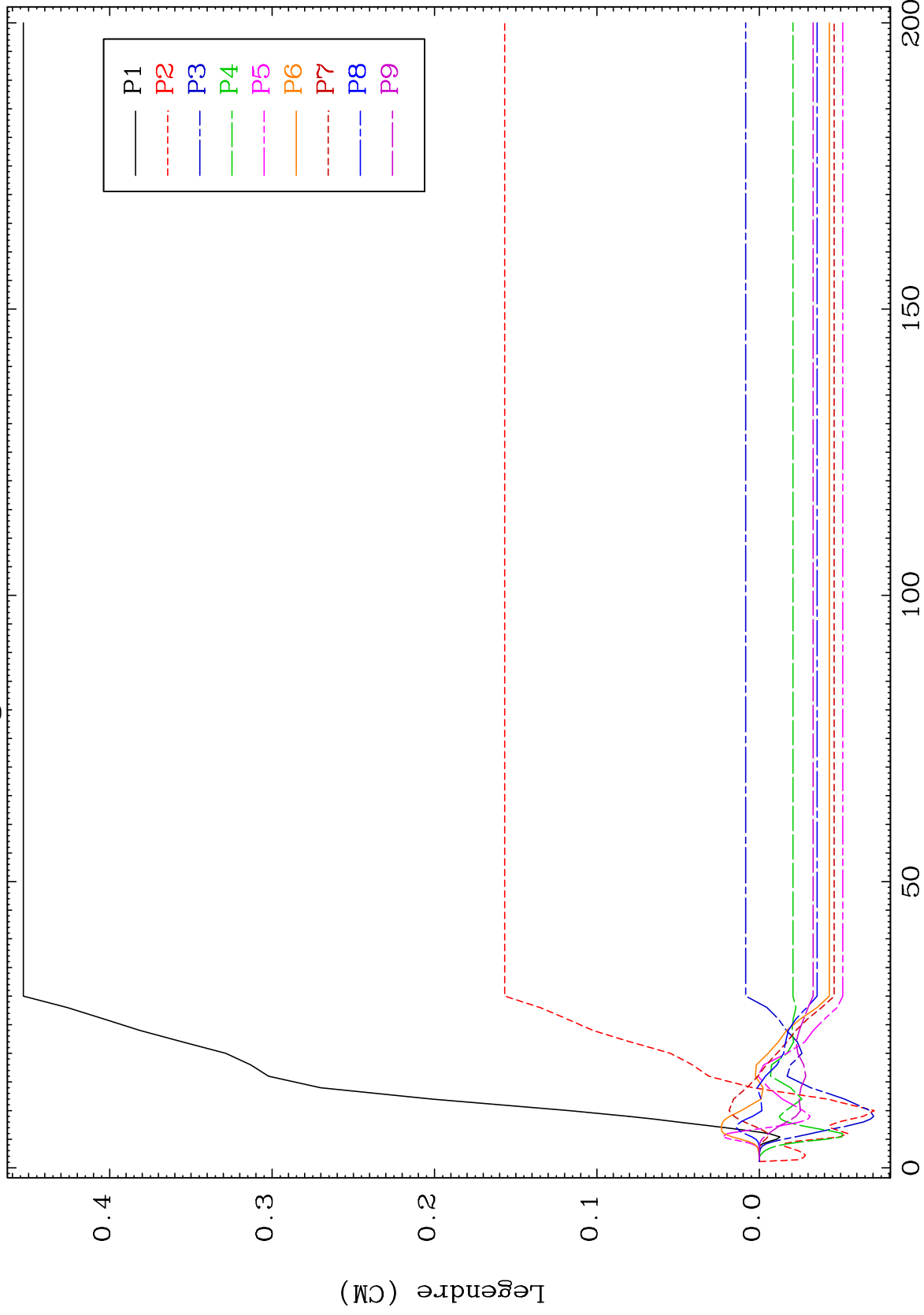
74-W -180



MAT 7425

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

74-W -180



74-W -180

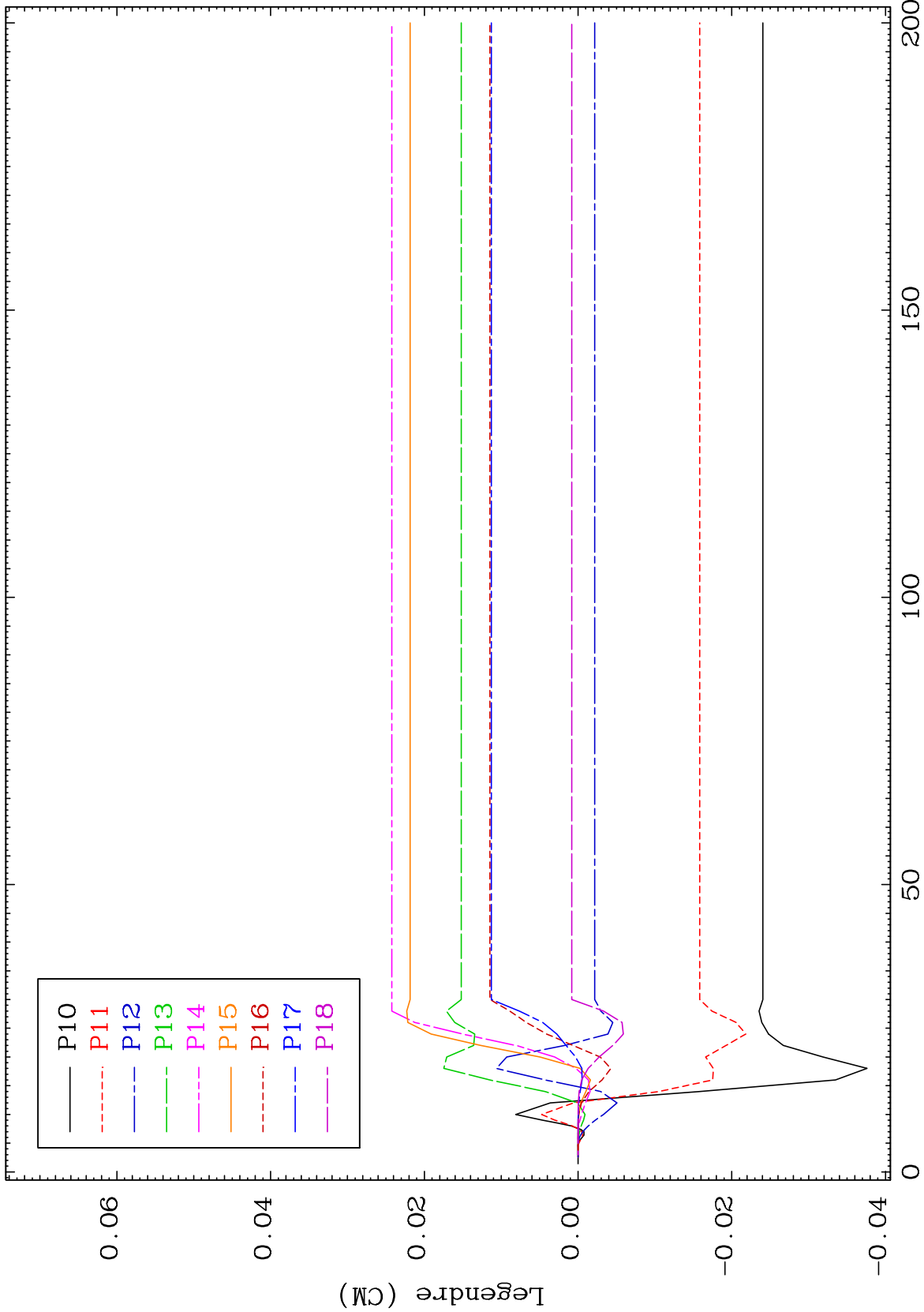
Incident Energy (MeV)

35

MAT 7425

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

74-W -180



36

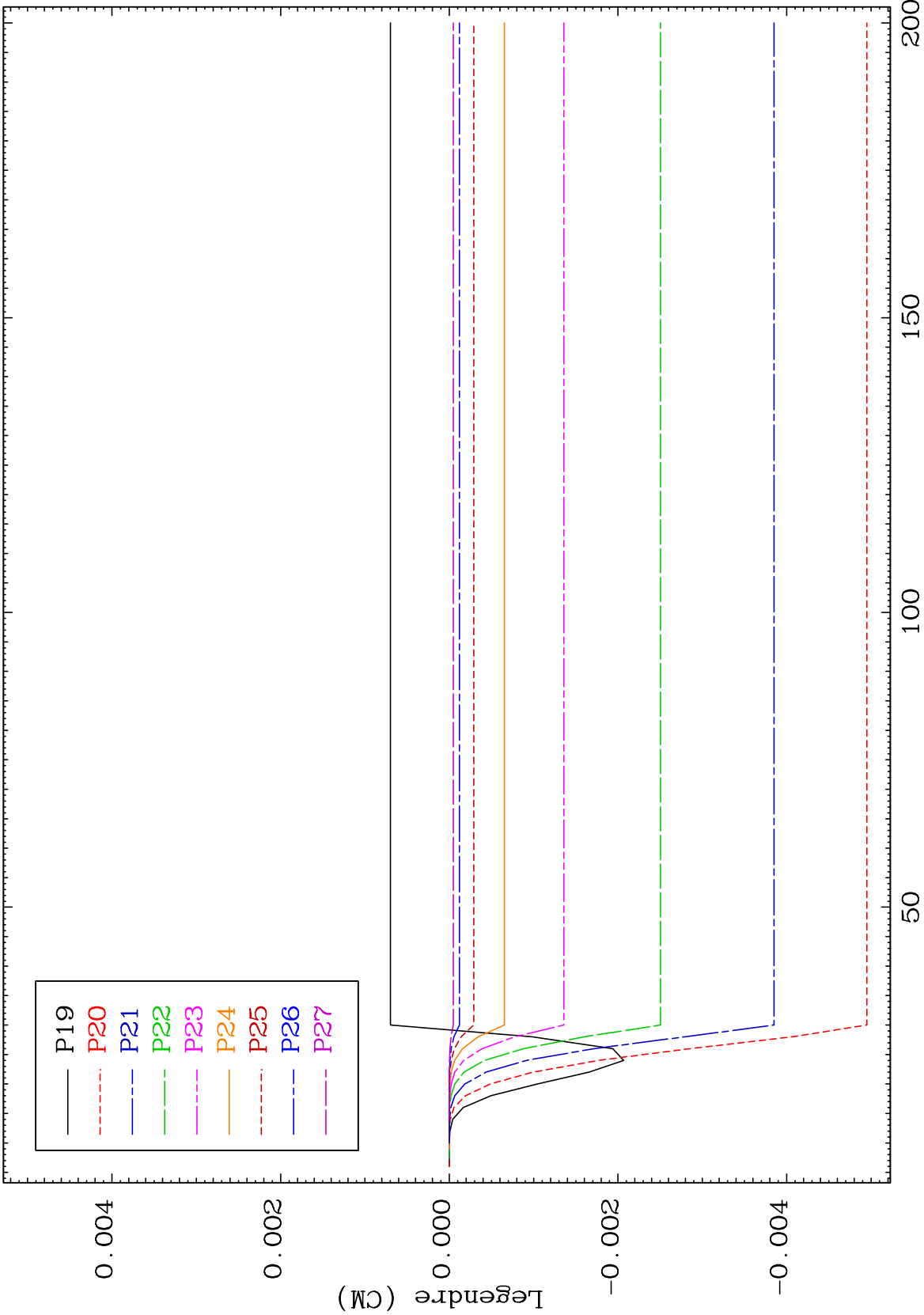
Incident Energy (MeV)

74-W -180

MAT 7425

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

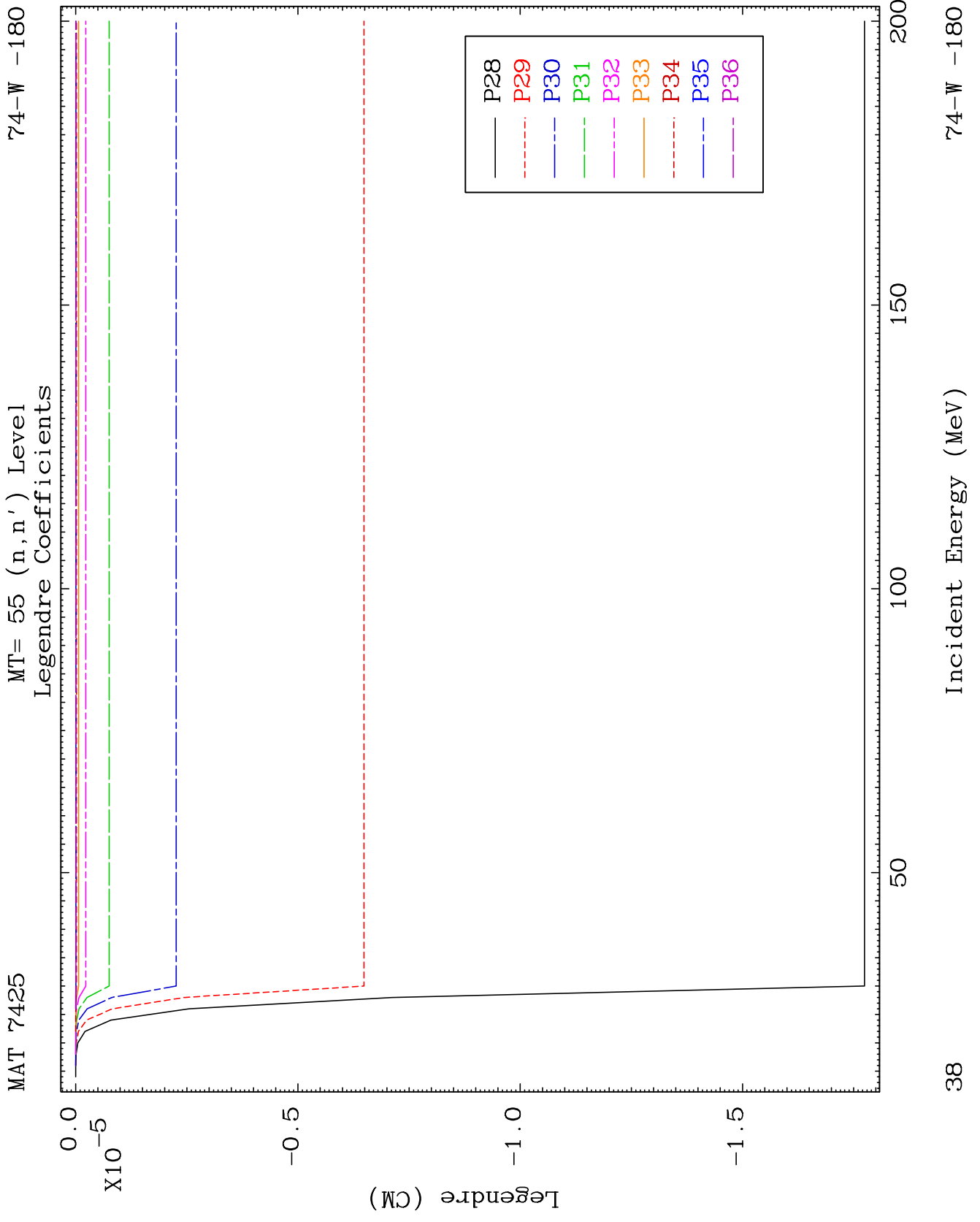
74-W -180



37

Incident Energy (MeV)

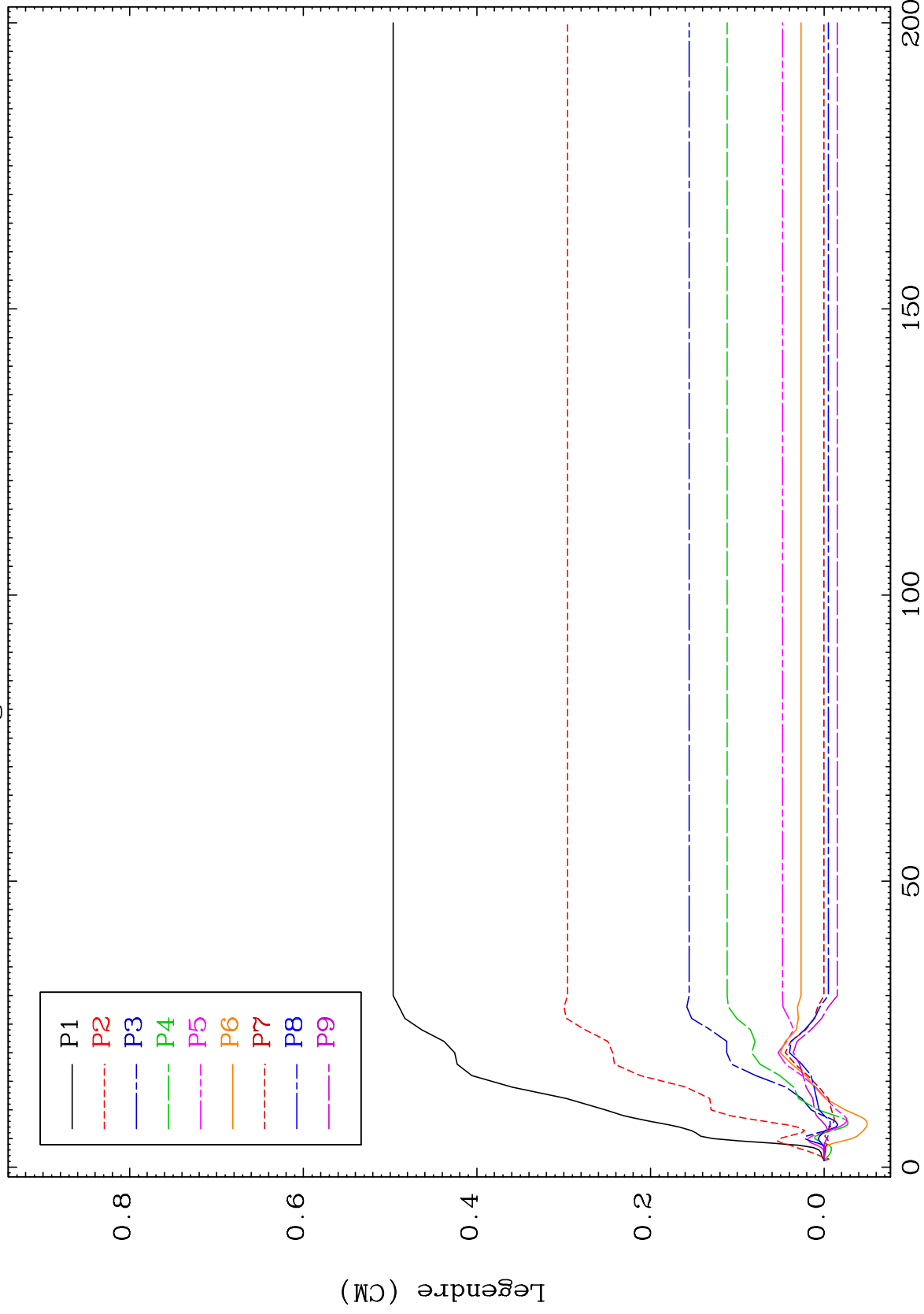
74-W -180



MAT 7425

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

74-W -180



39

Incident Energy (MeV)

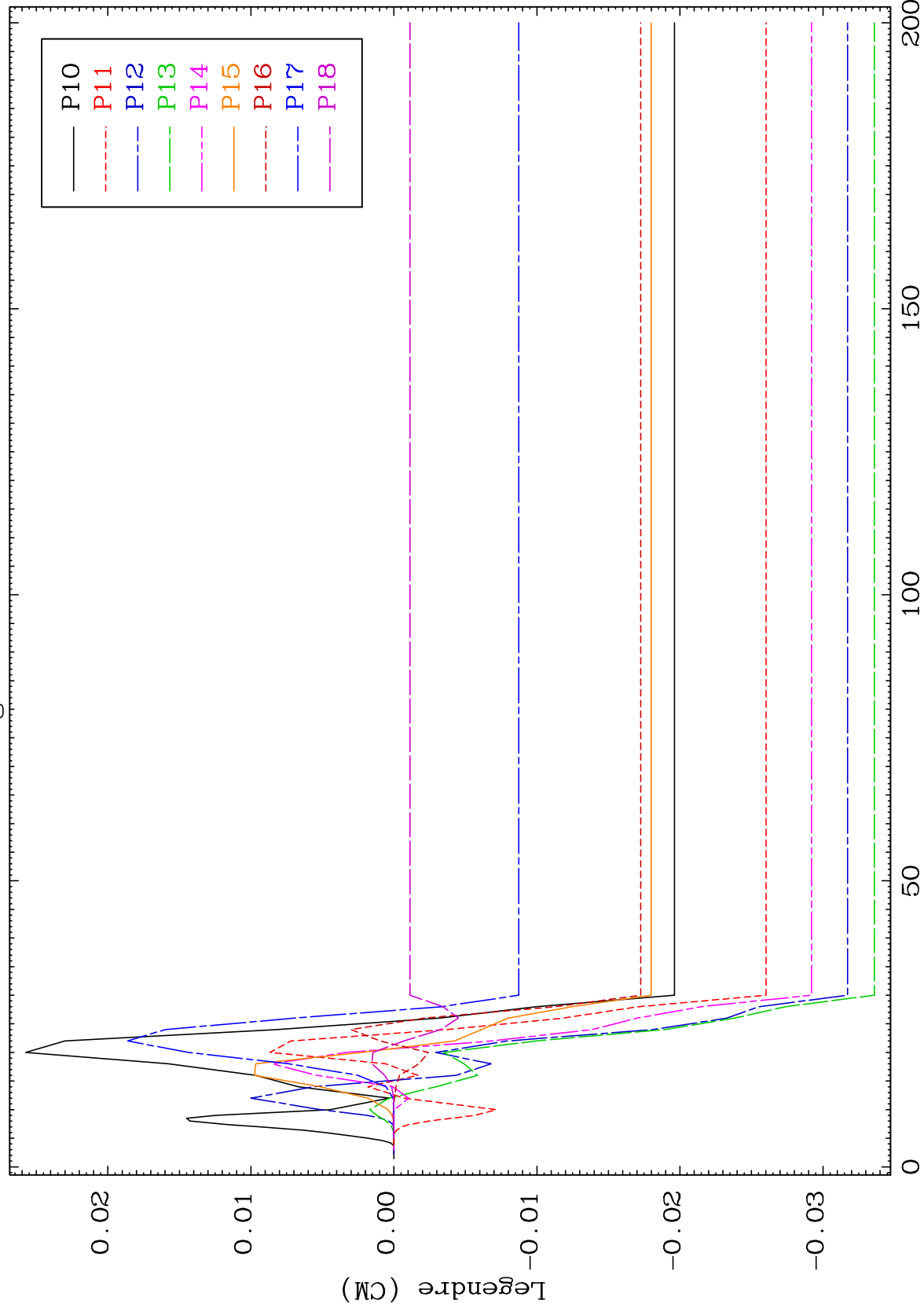
74-W -180



MAT 7425

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

74-W -180



74-W -180

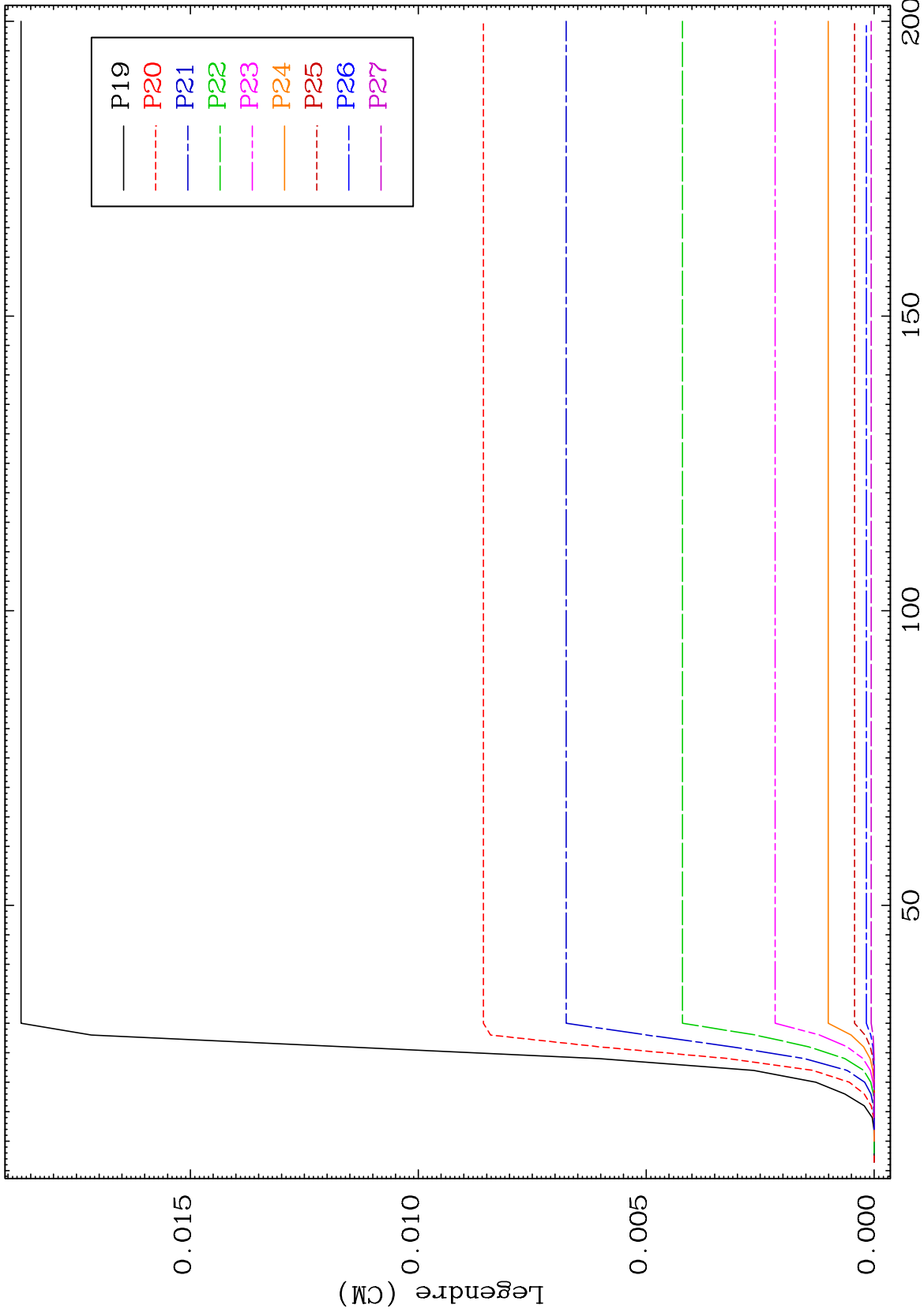
Incident Energy (MeV)

40

MAT 7425

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

74-W -180



41

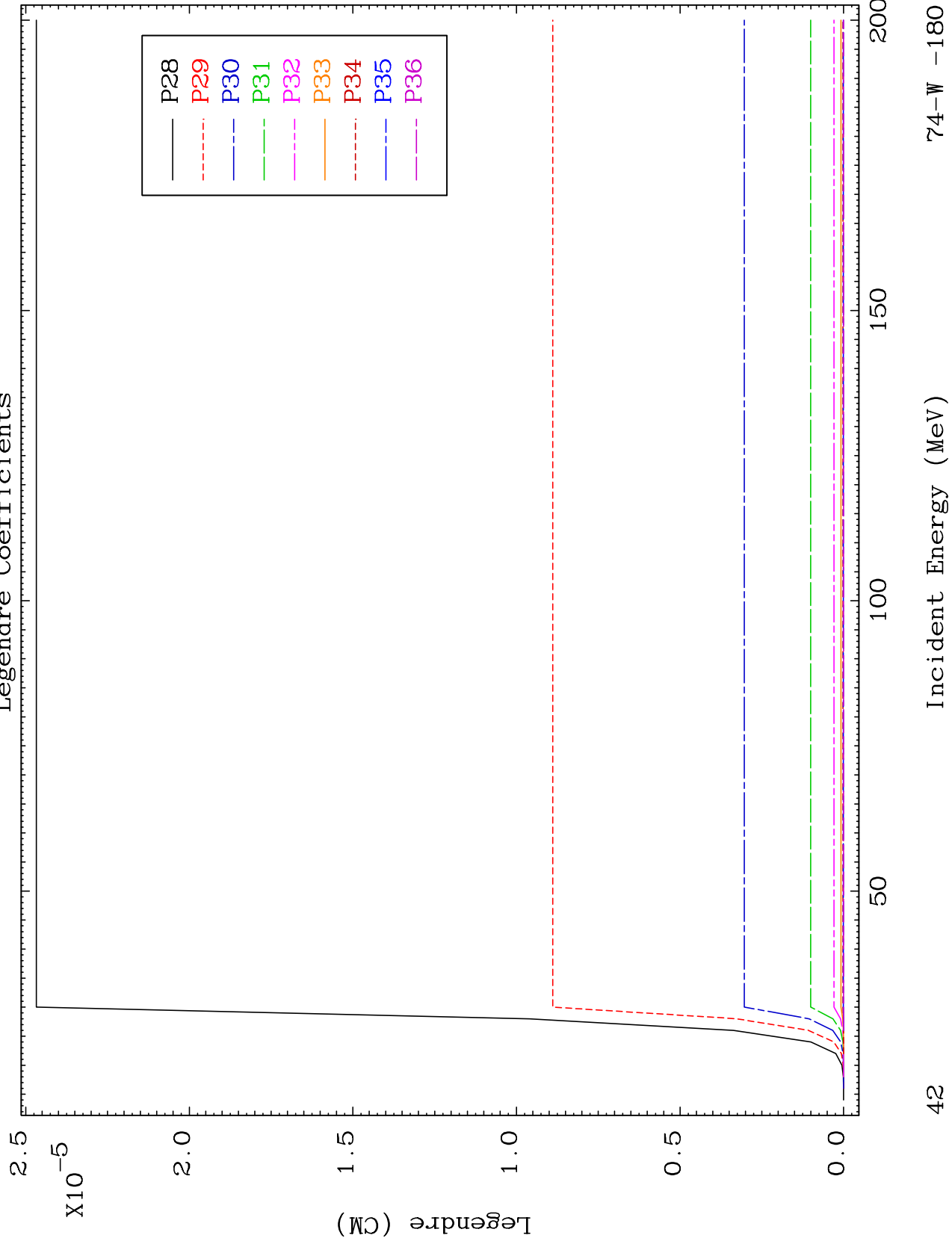
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180



42

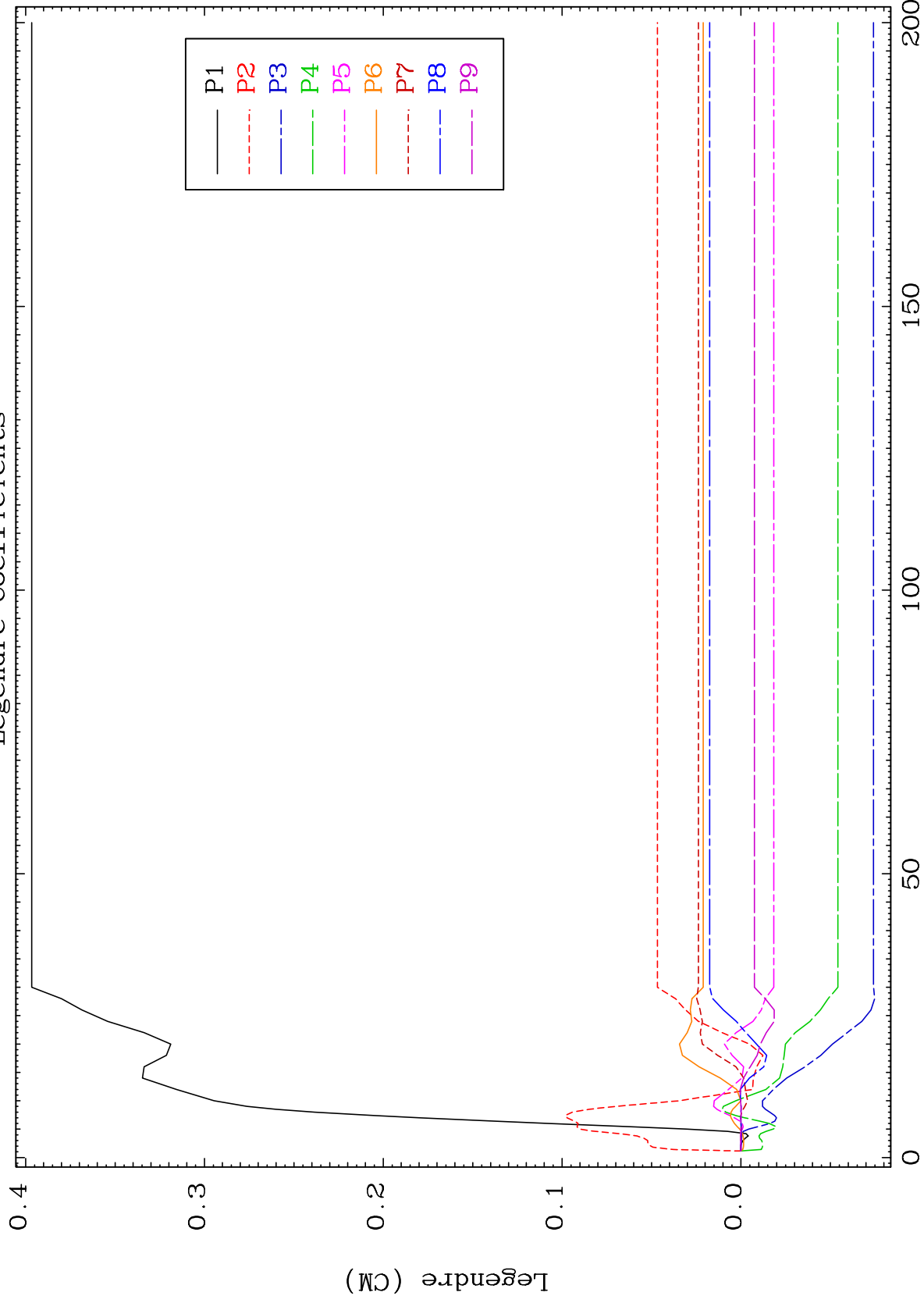
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180



43

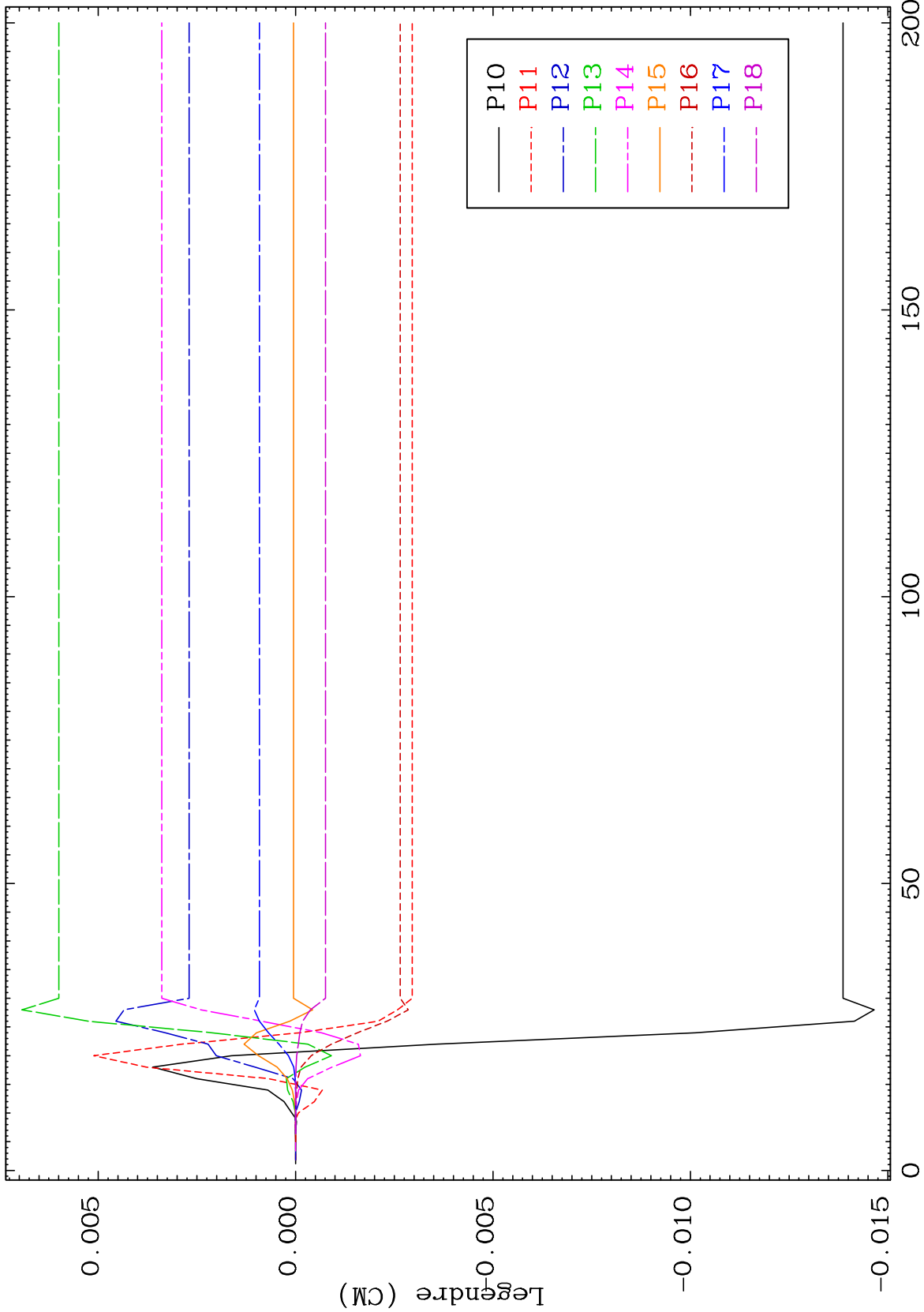
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180



44

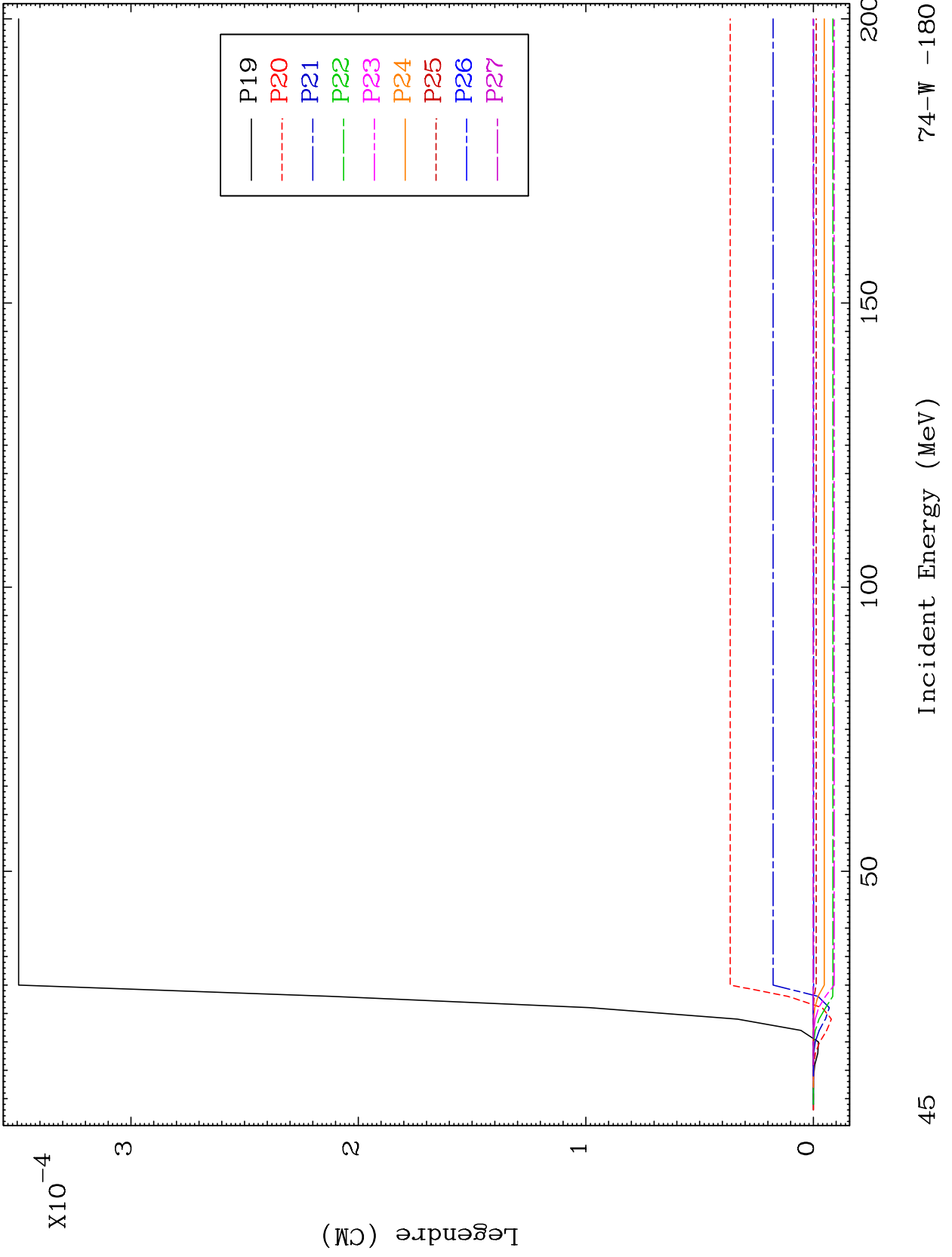
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180



45

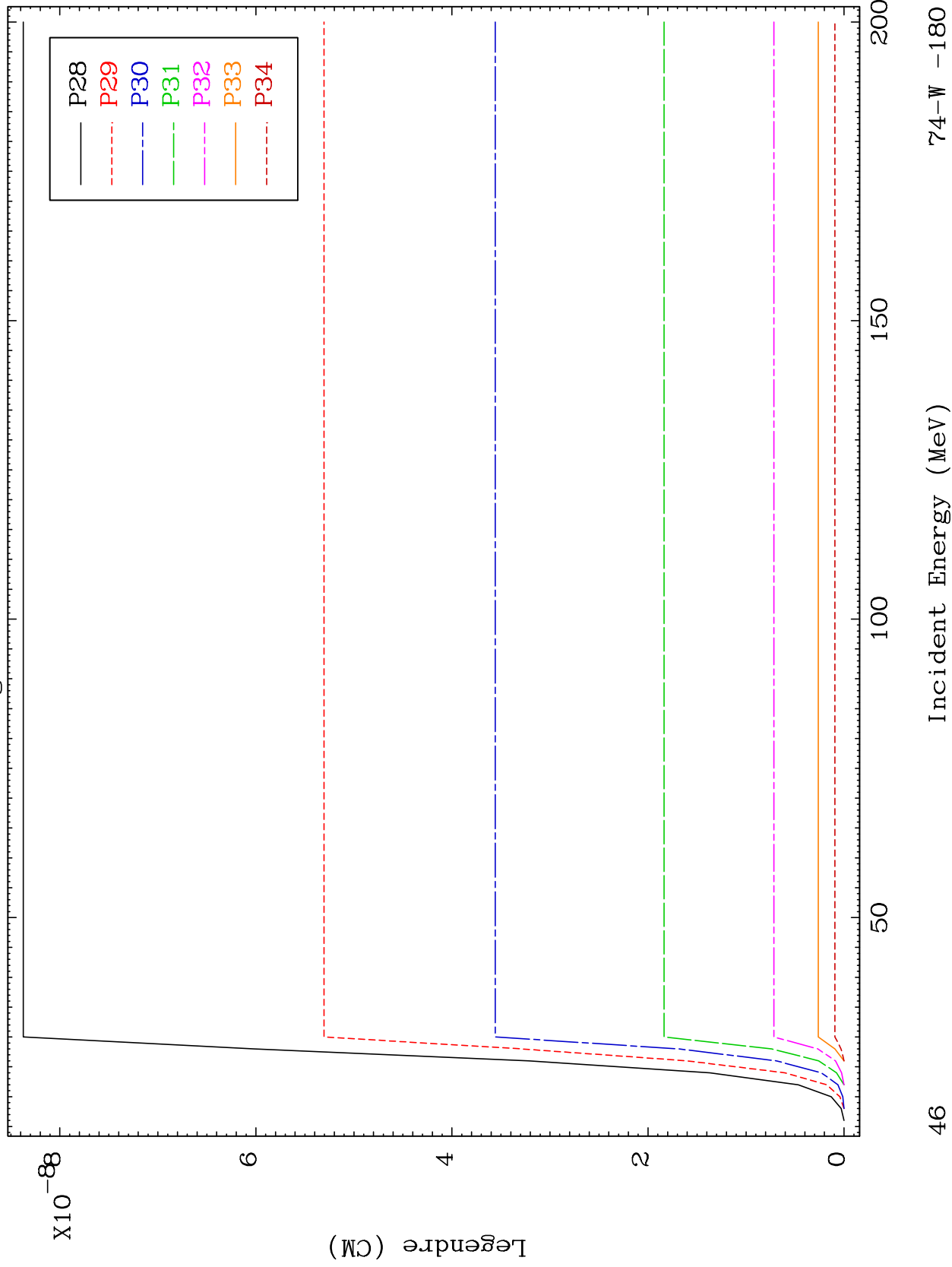
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180



46

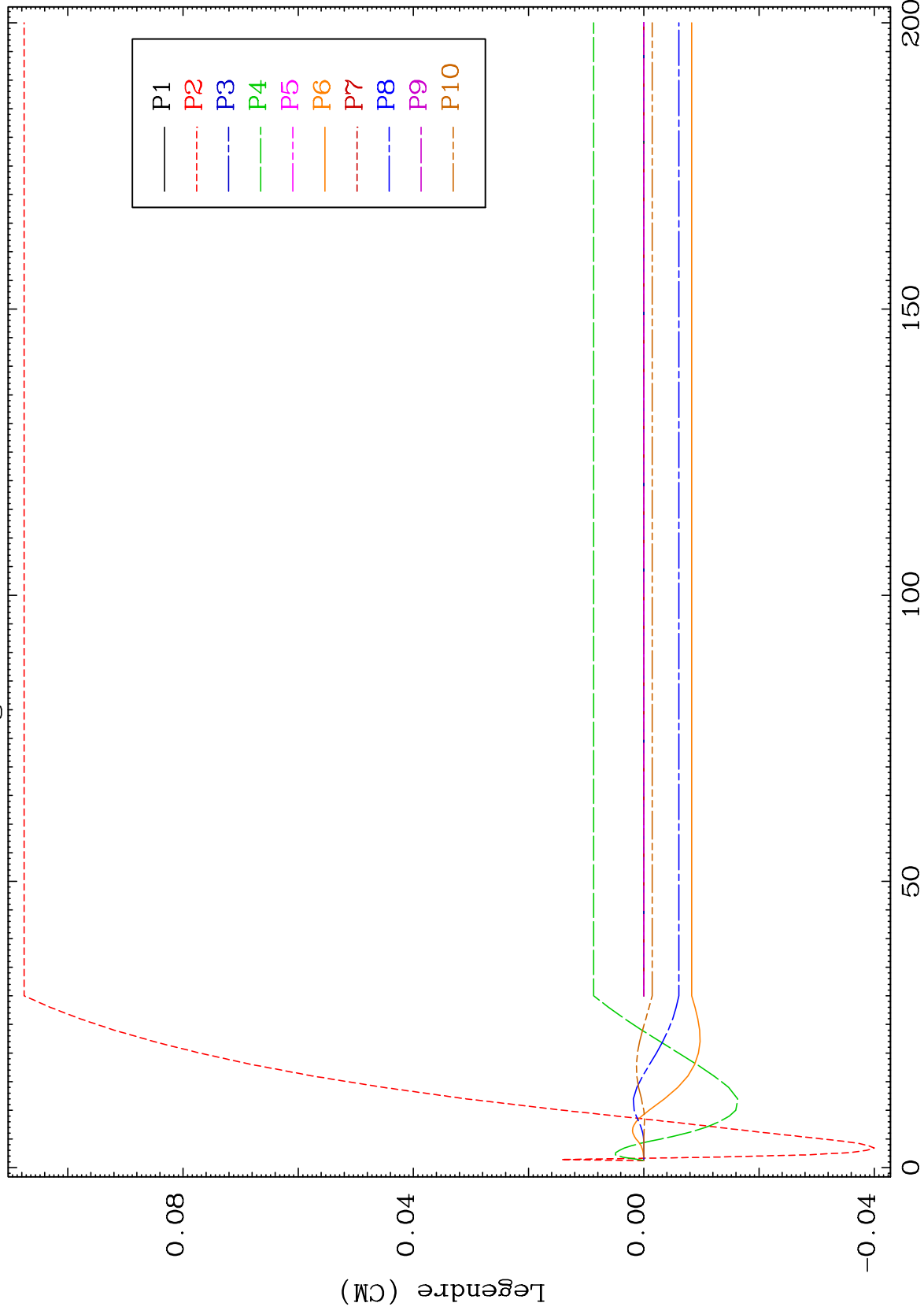
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180



47

Incident Energy (MeV)

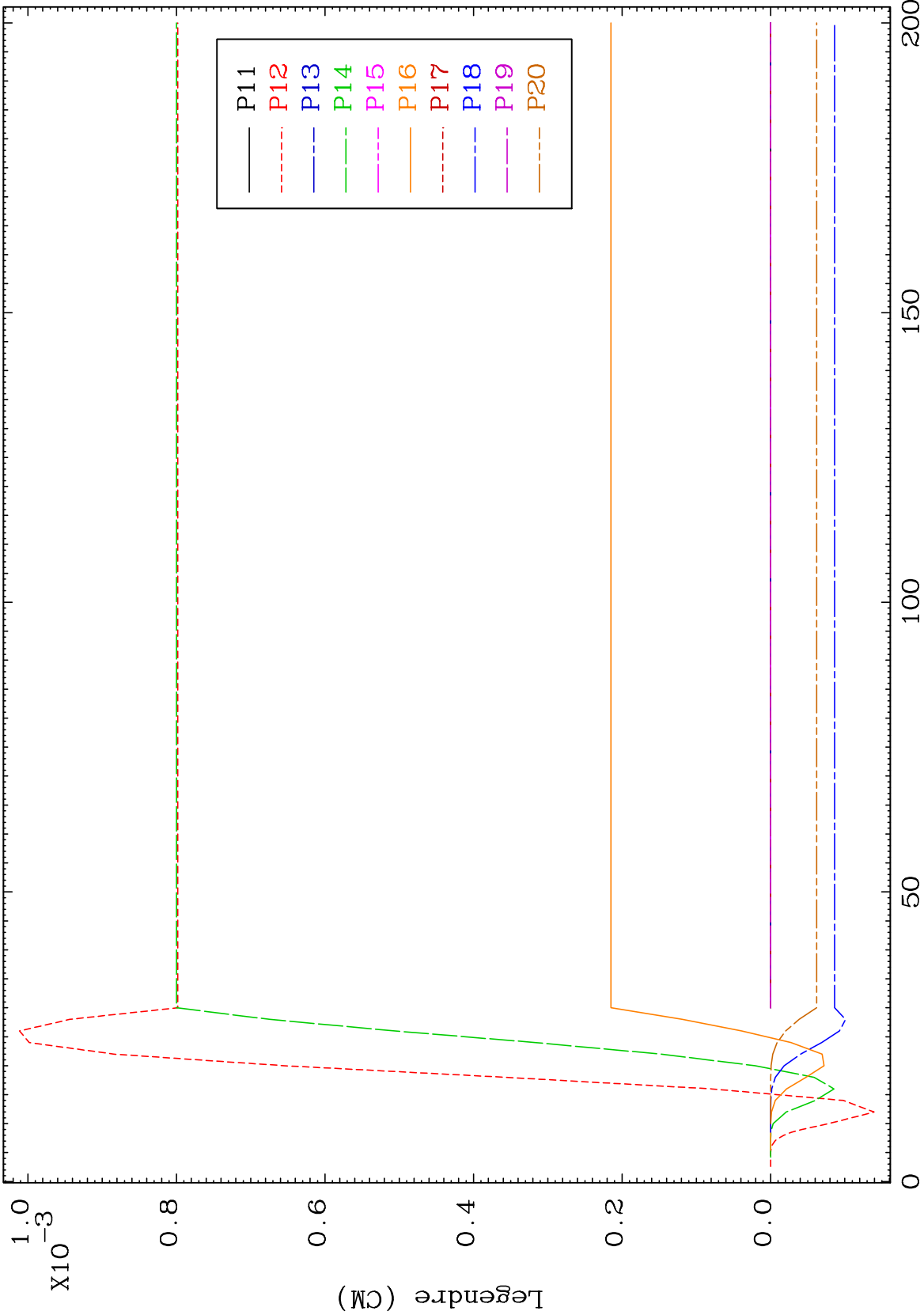
74-W -180



MAT 7425

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

74-W -180



48

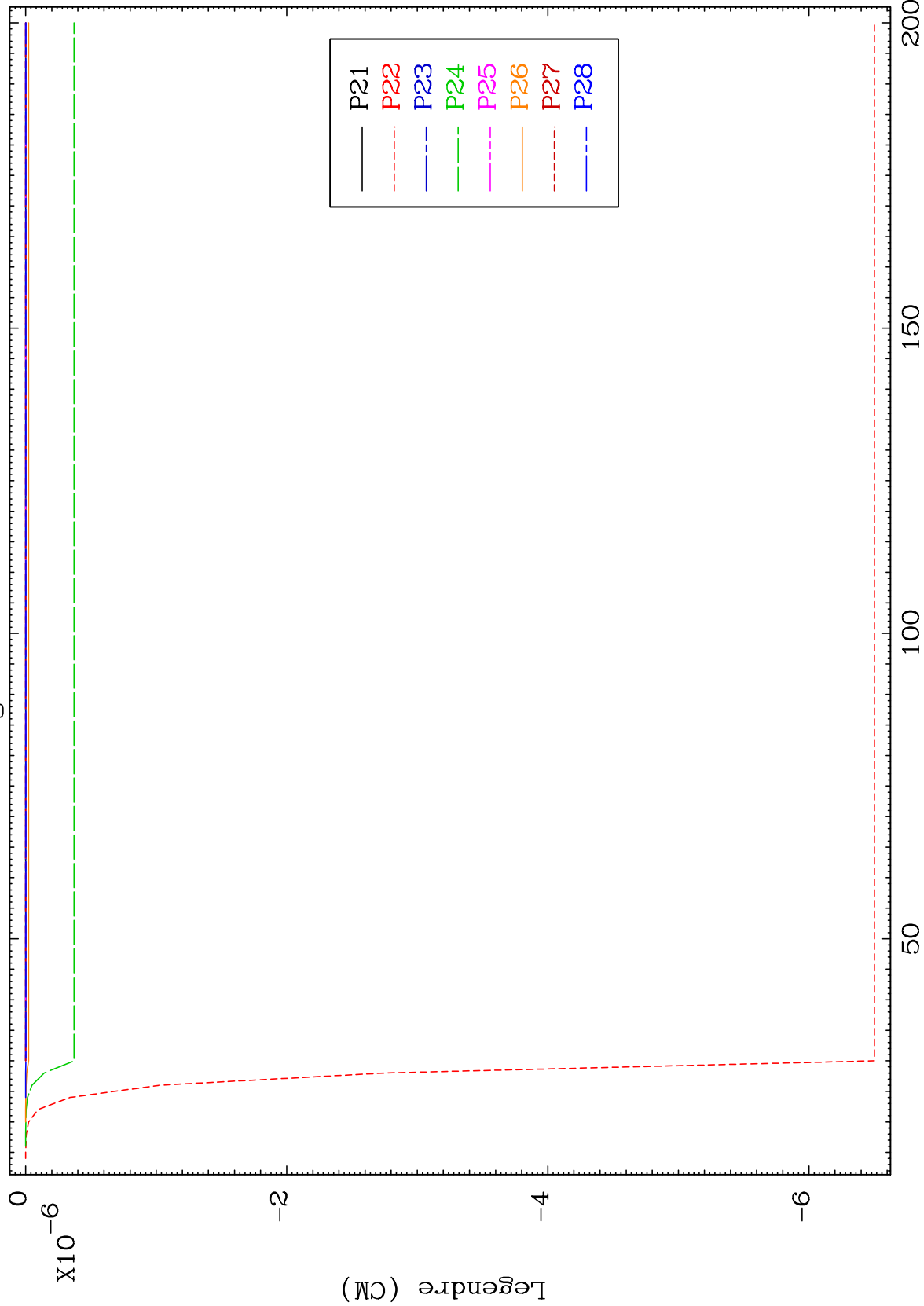
Incident Energy (MeV)

74-W -180

MAT 7425

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

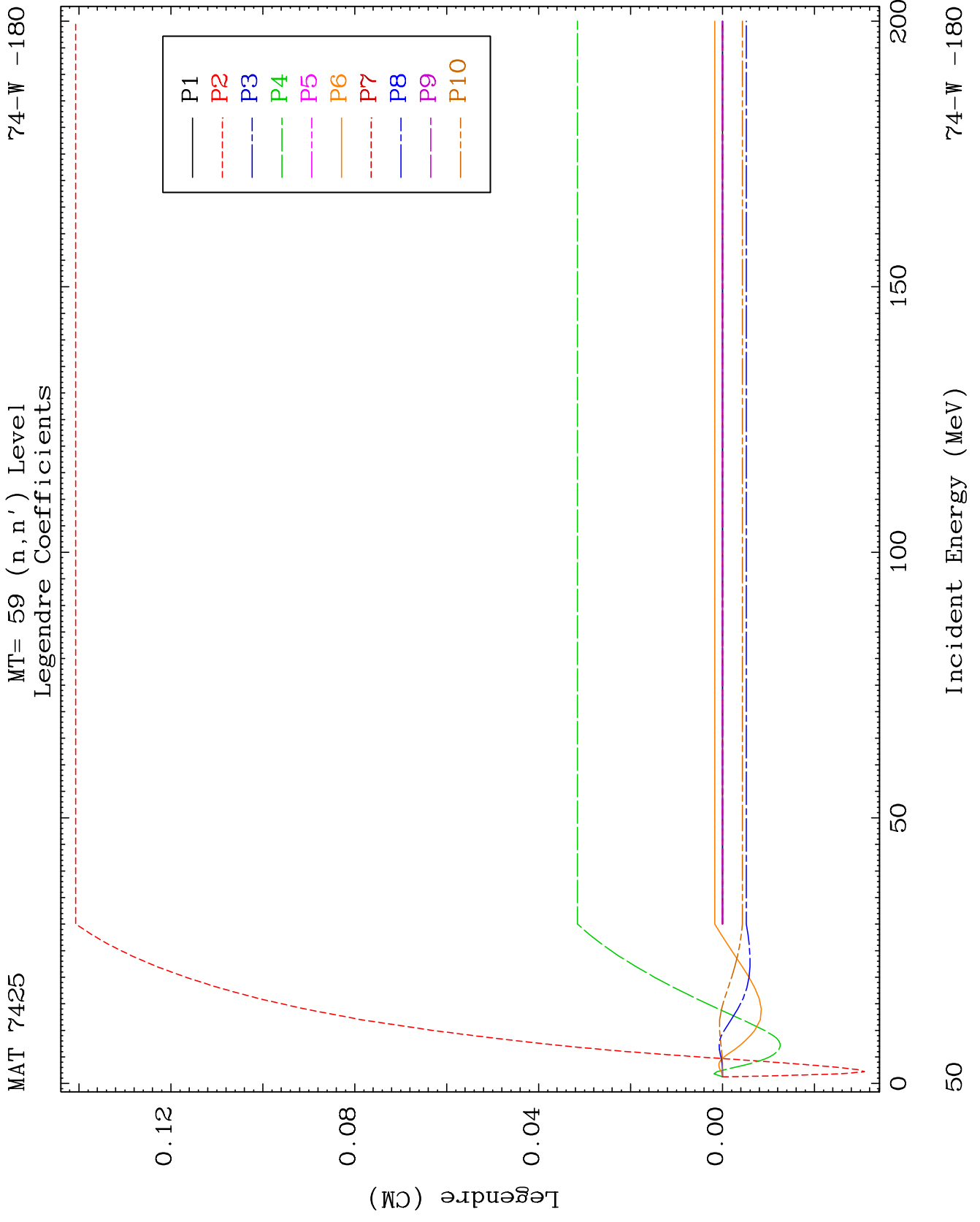
74-W -180

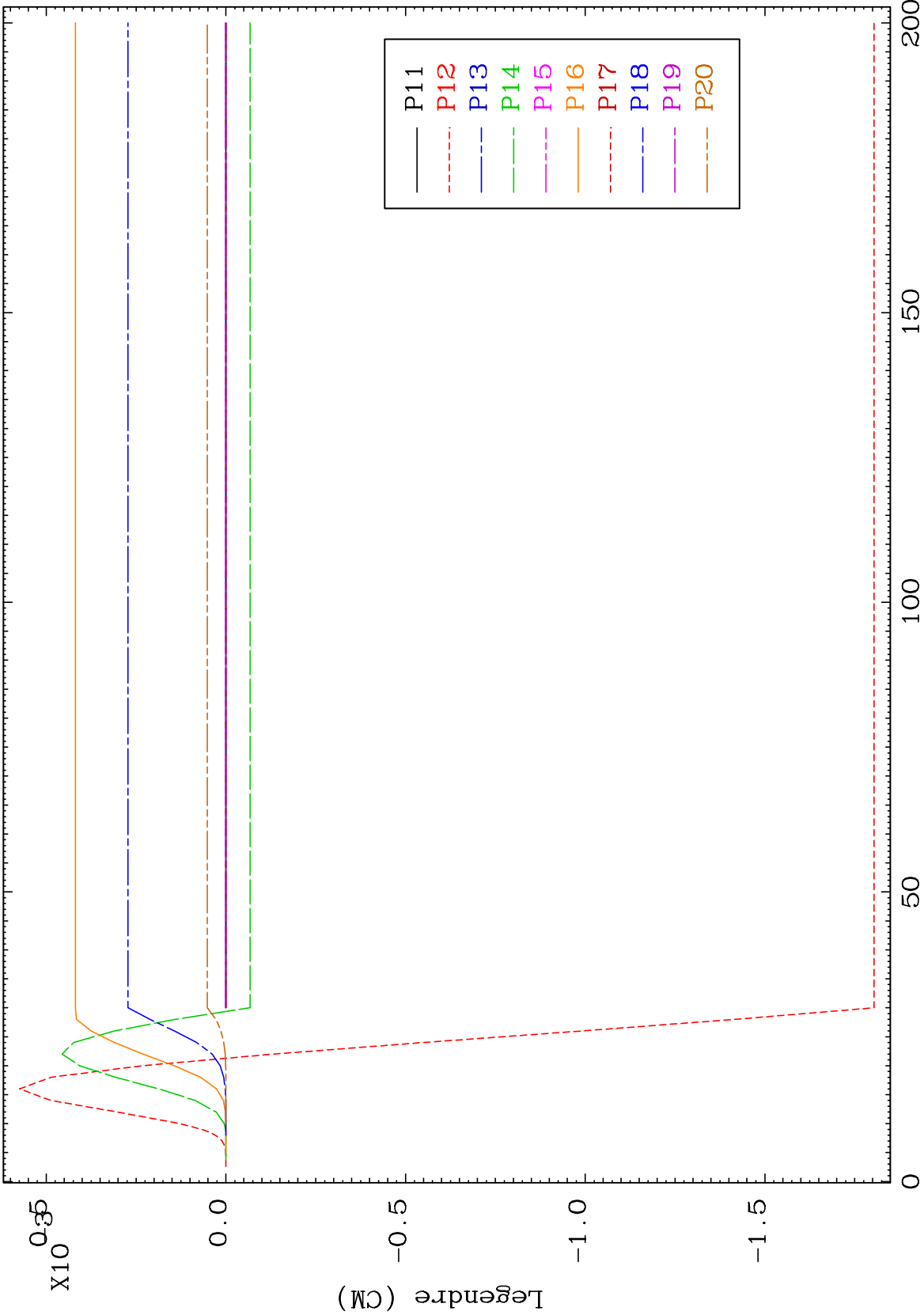


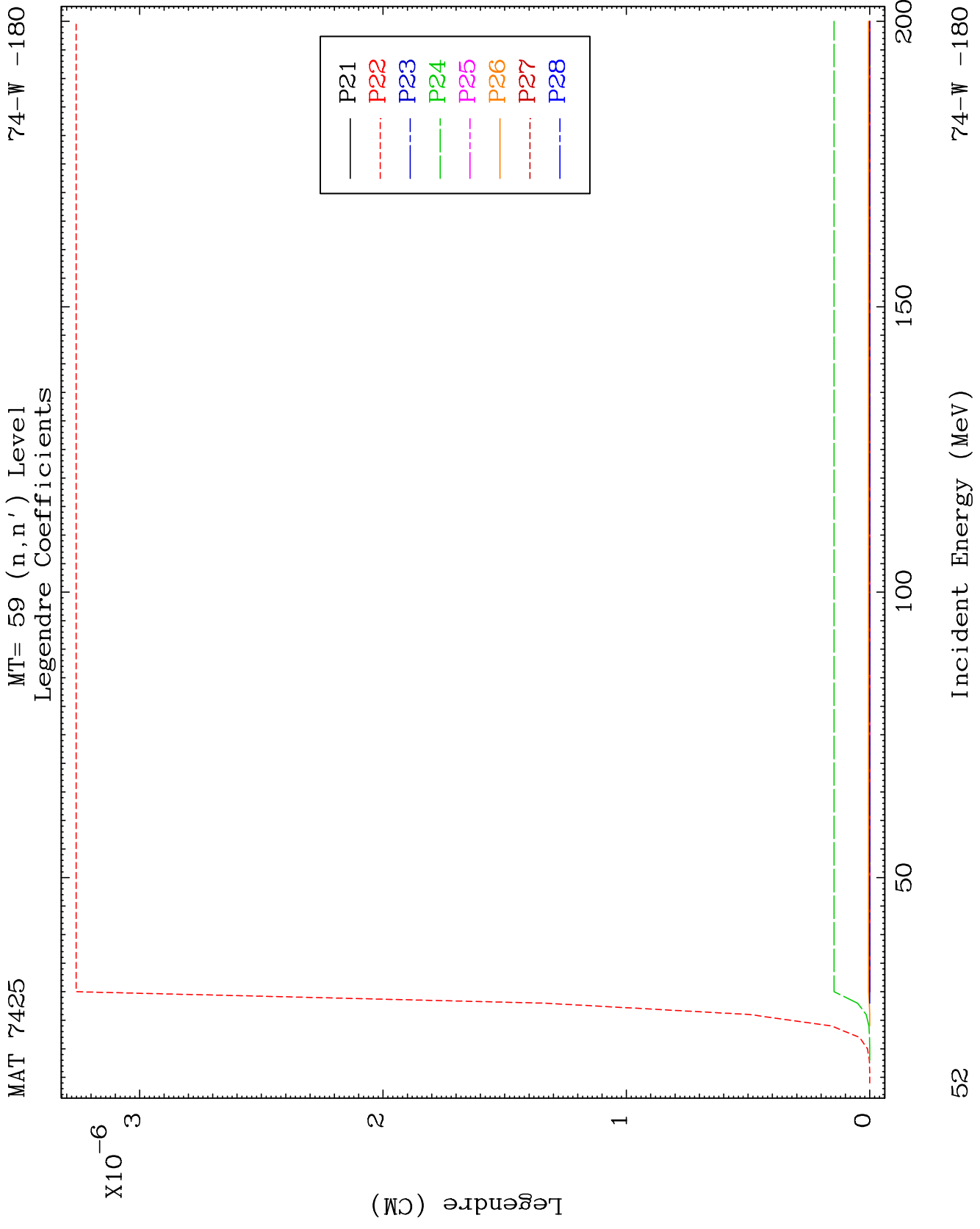
74-W -180

Incident Energy (MeV)

49



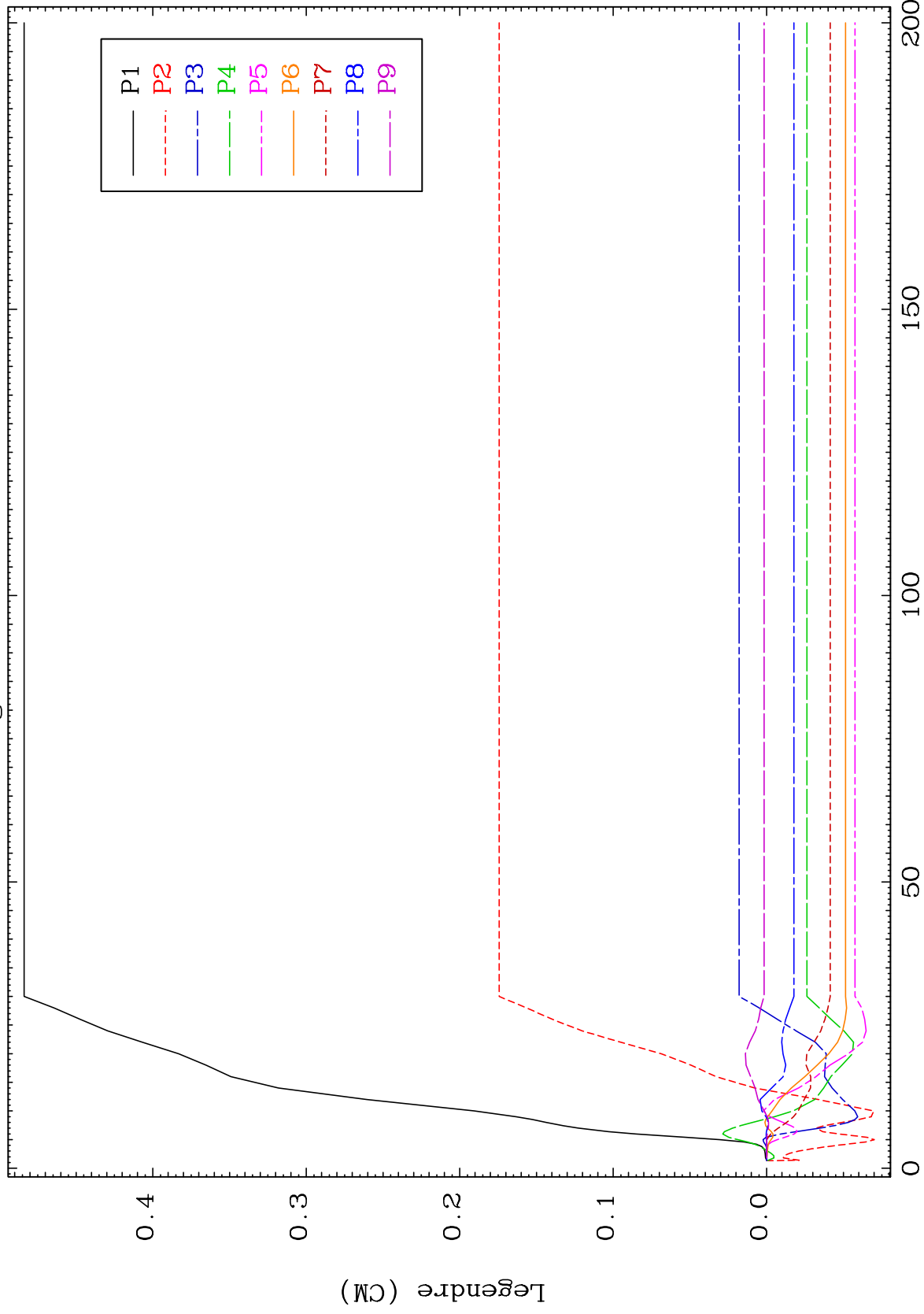




MAT 7425

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

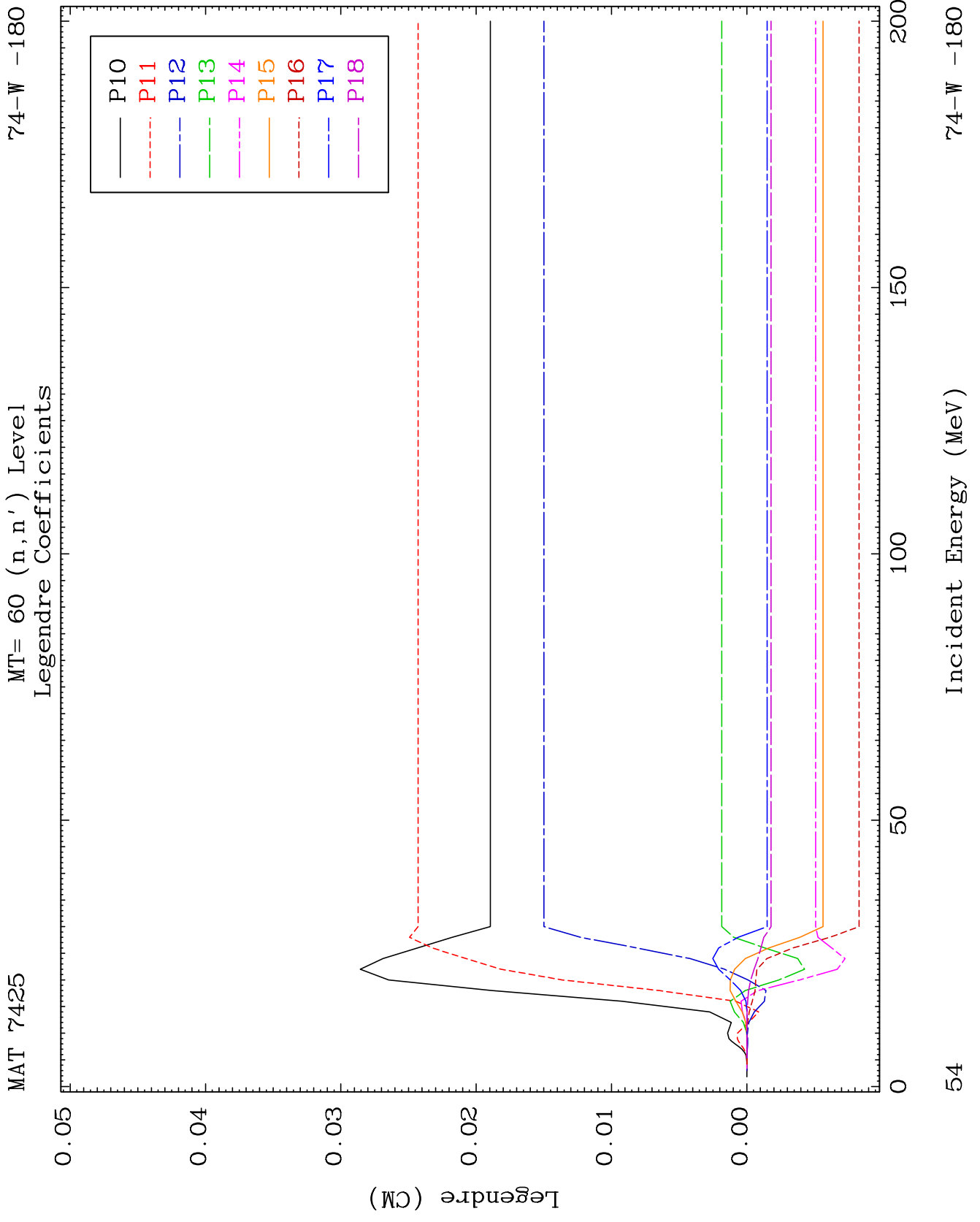
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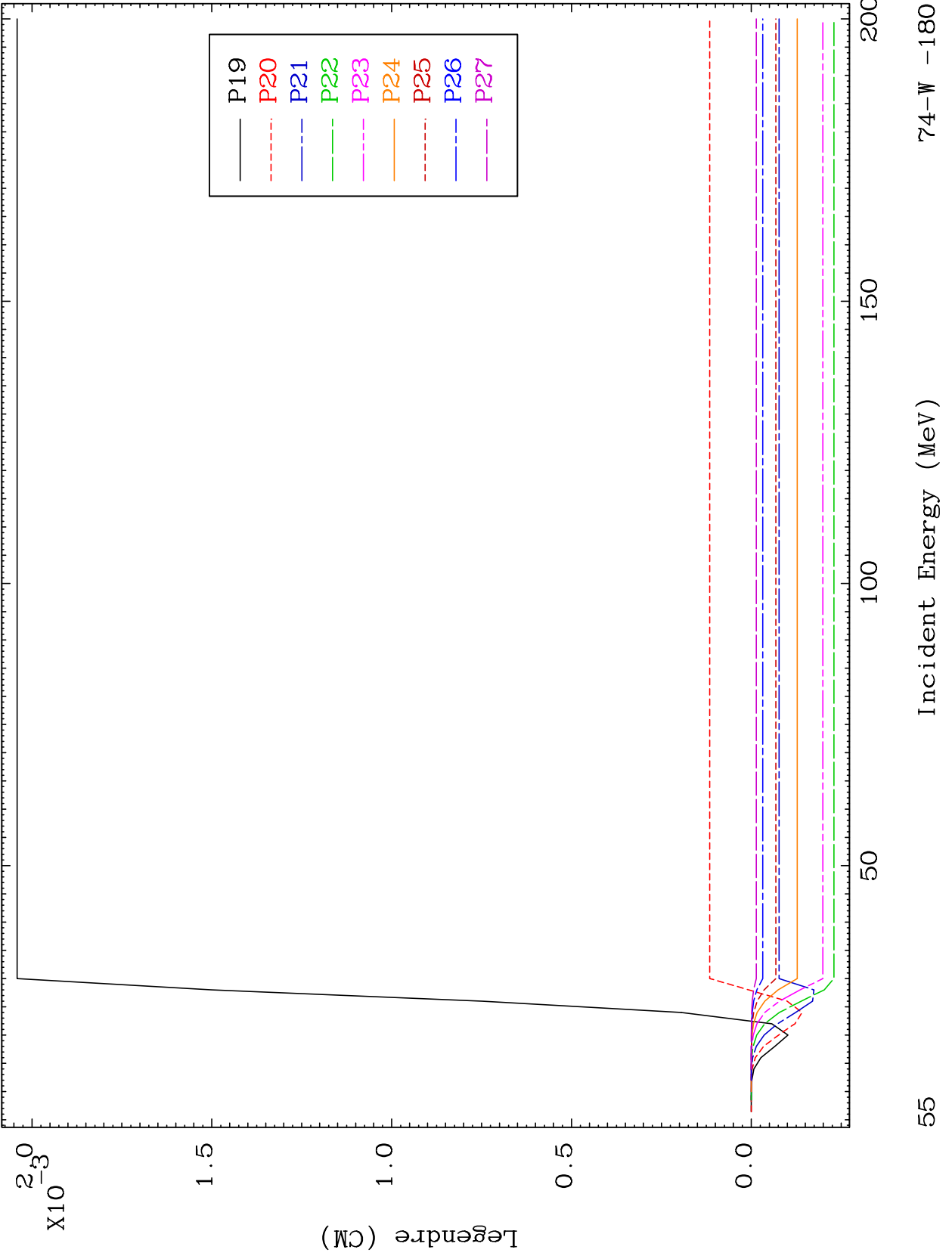


74-W -180

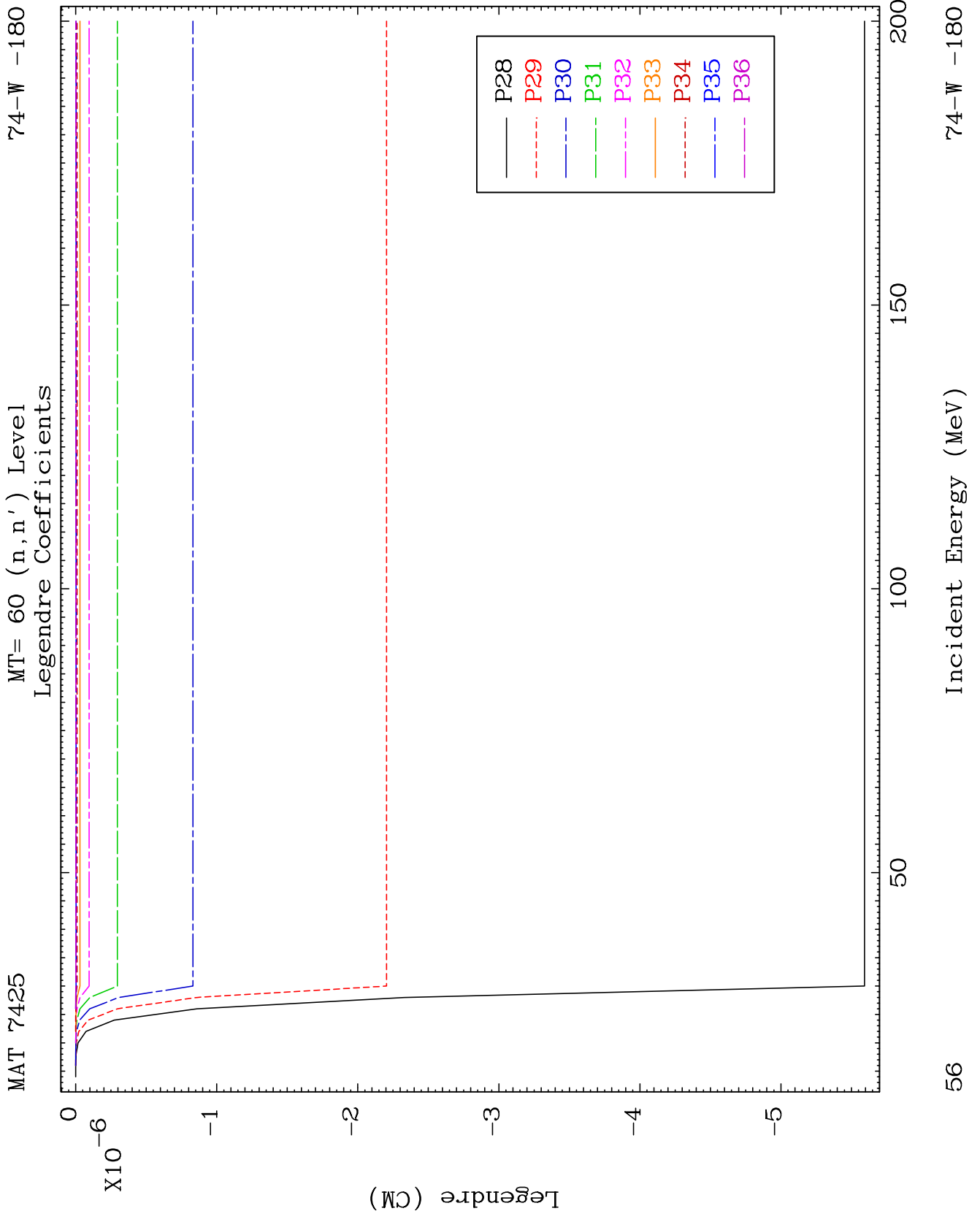
Incident Energy (MeV)

53





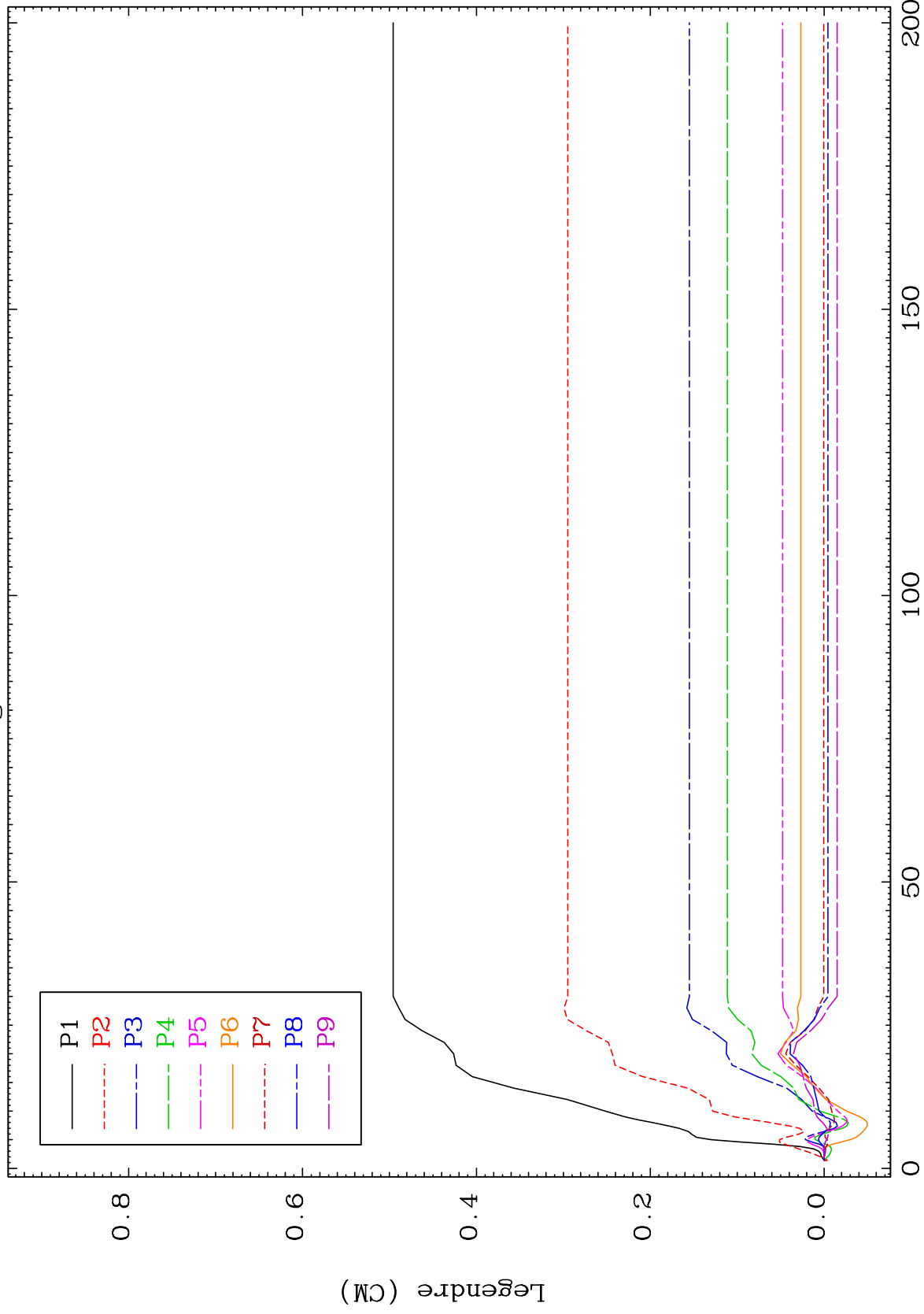




MAT 7425

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

74-W -180



57

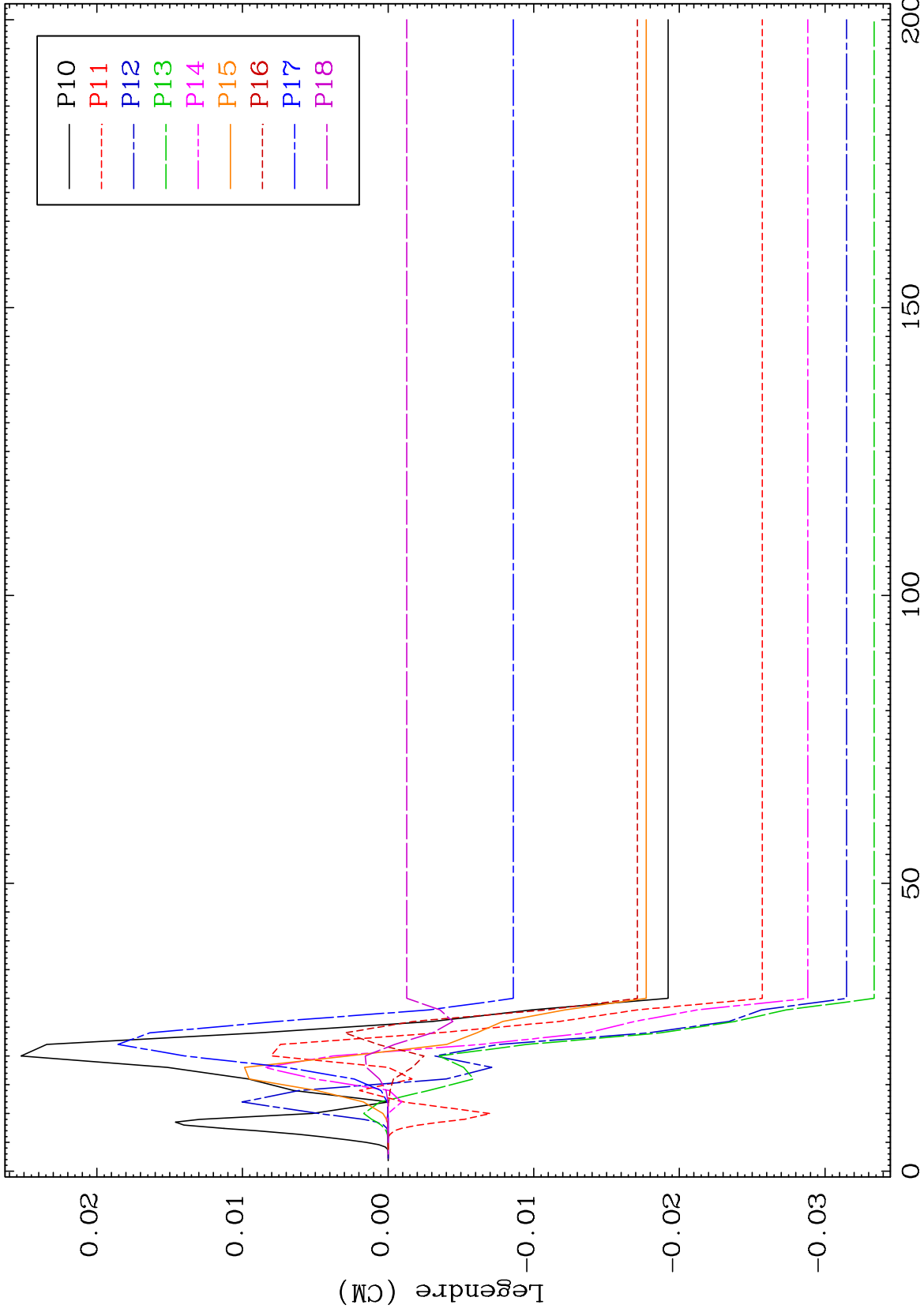
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180



58

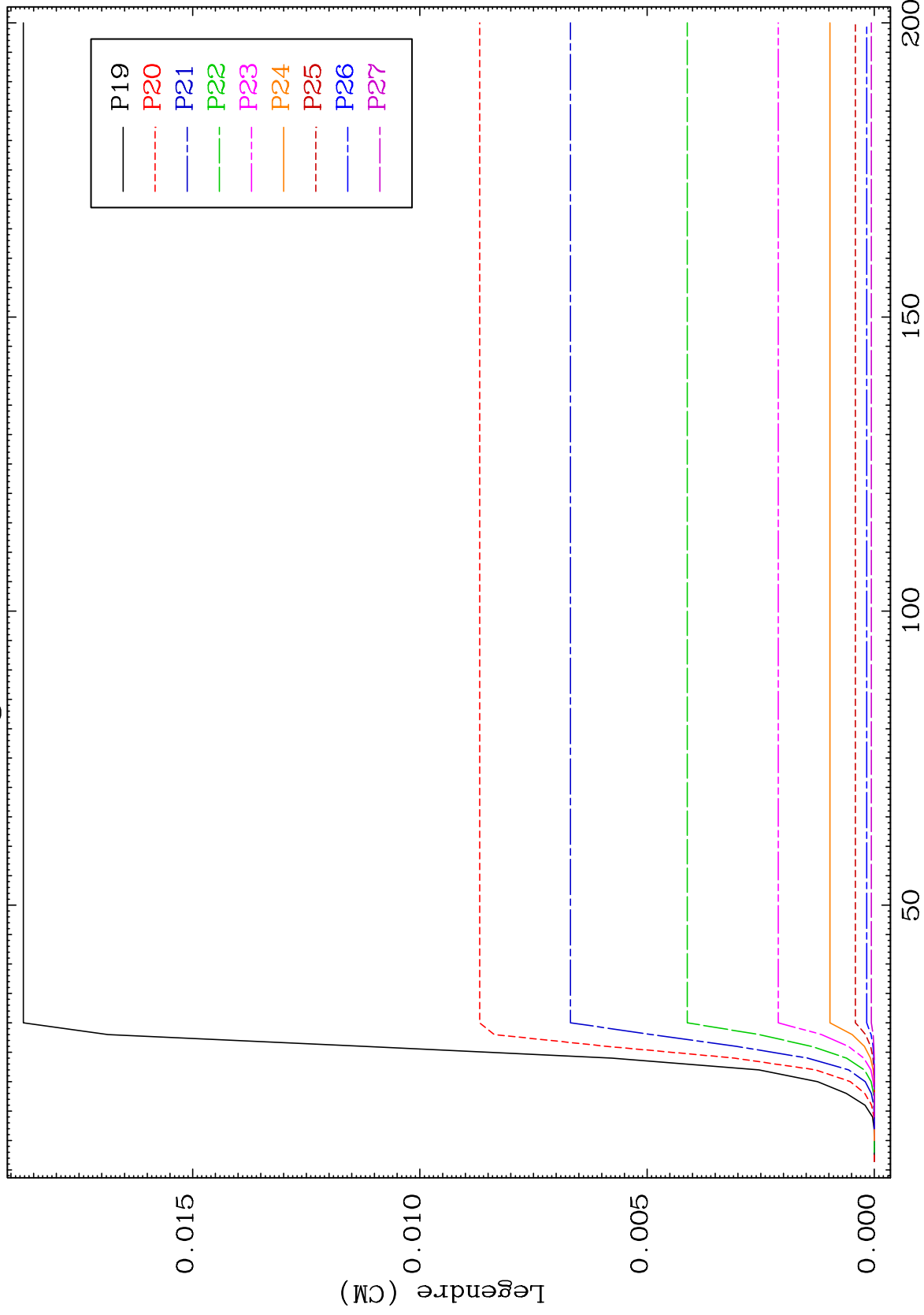
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180



59

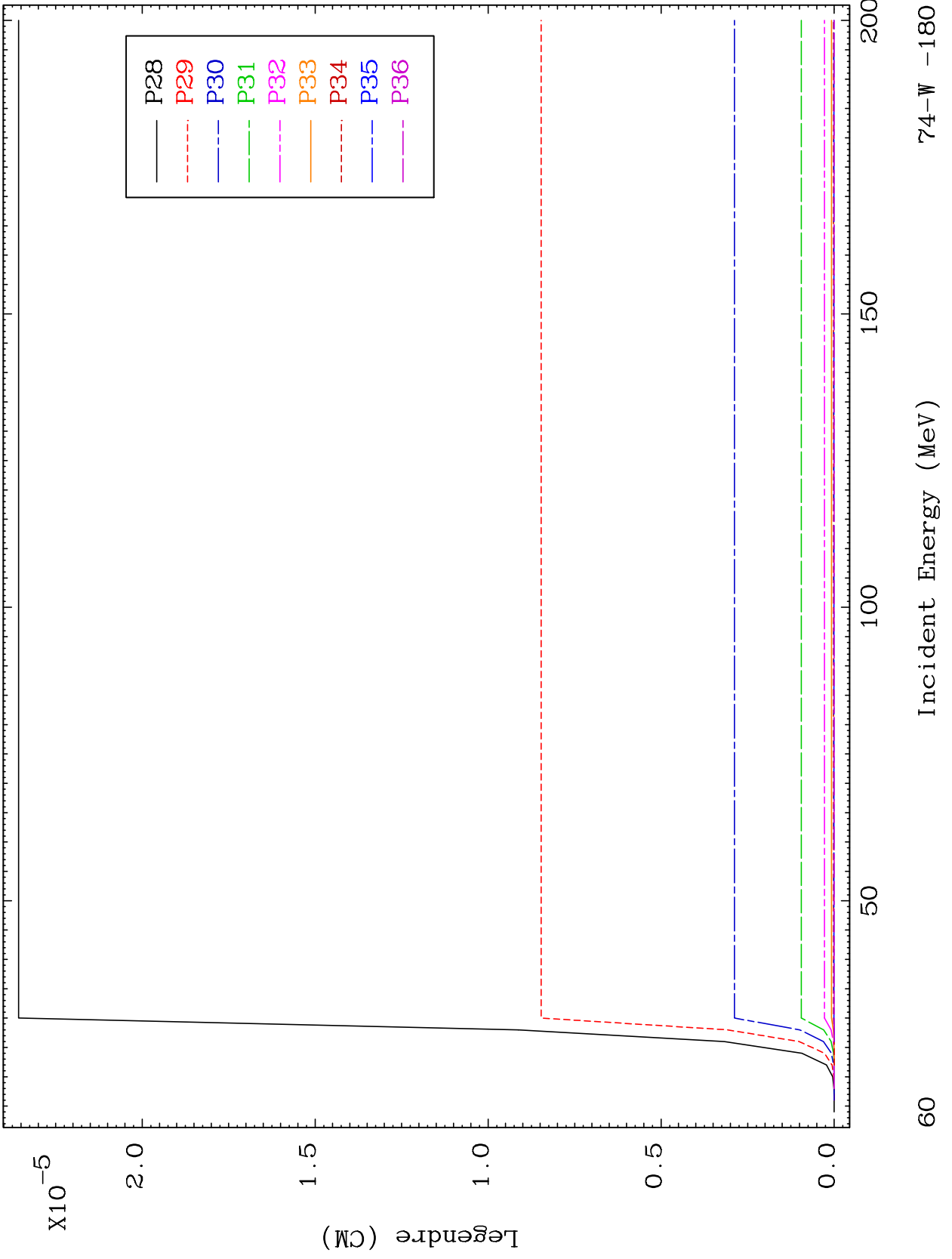
Incident Energy (MeV)

74-W -180

MAT 7425

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

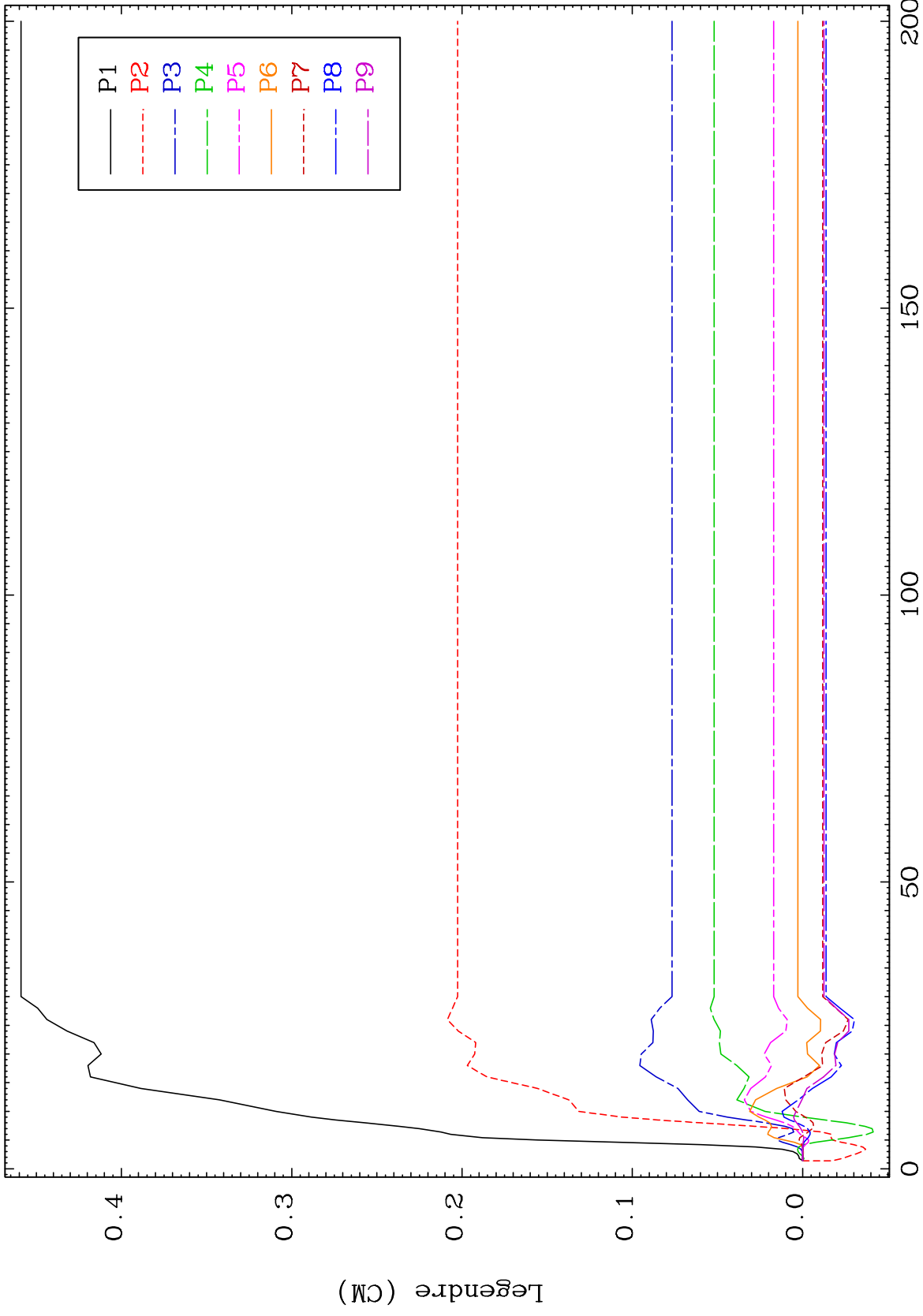
74-W -180



MAT 7425

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

74-W -180



61

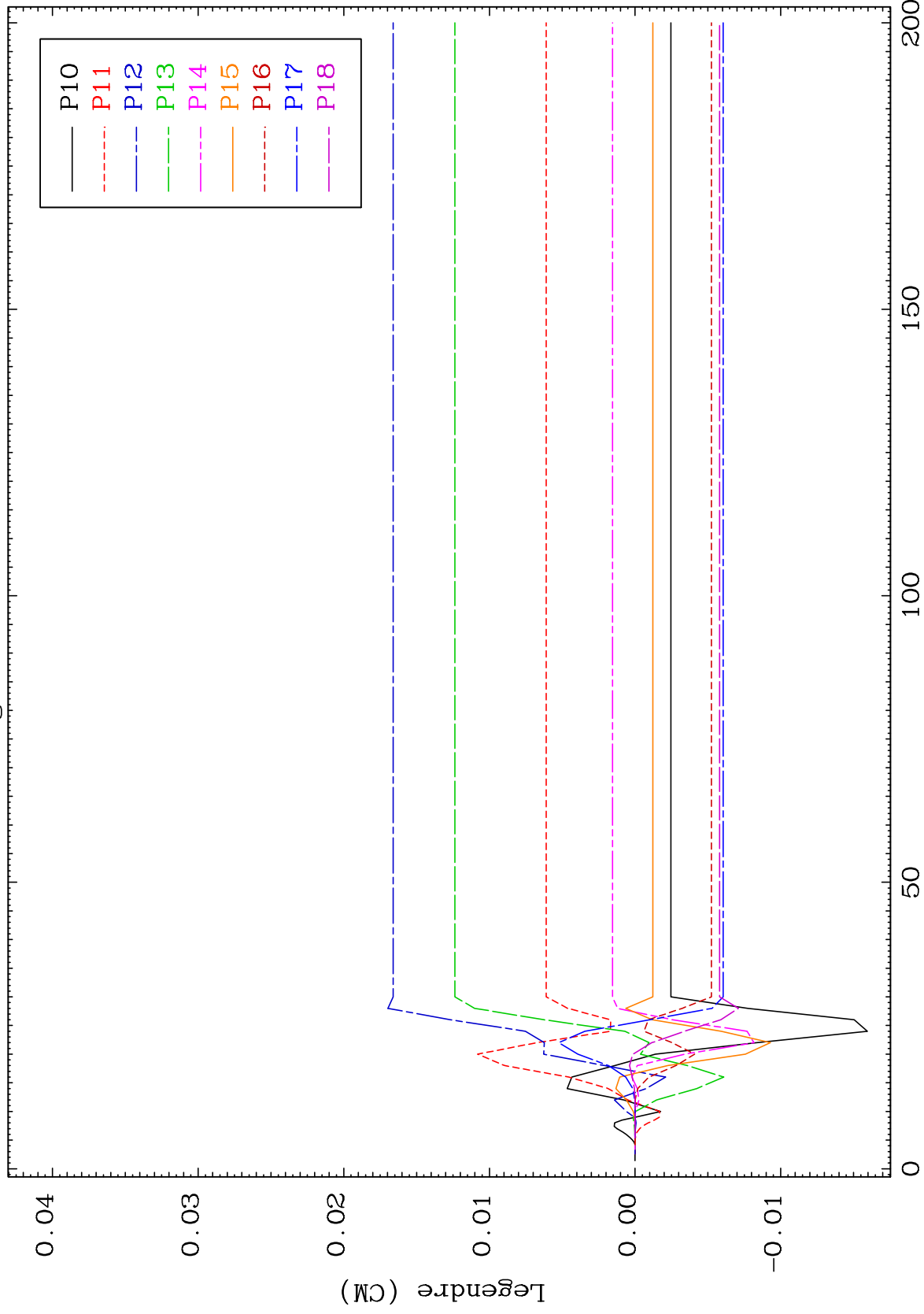
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180



62

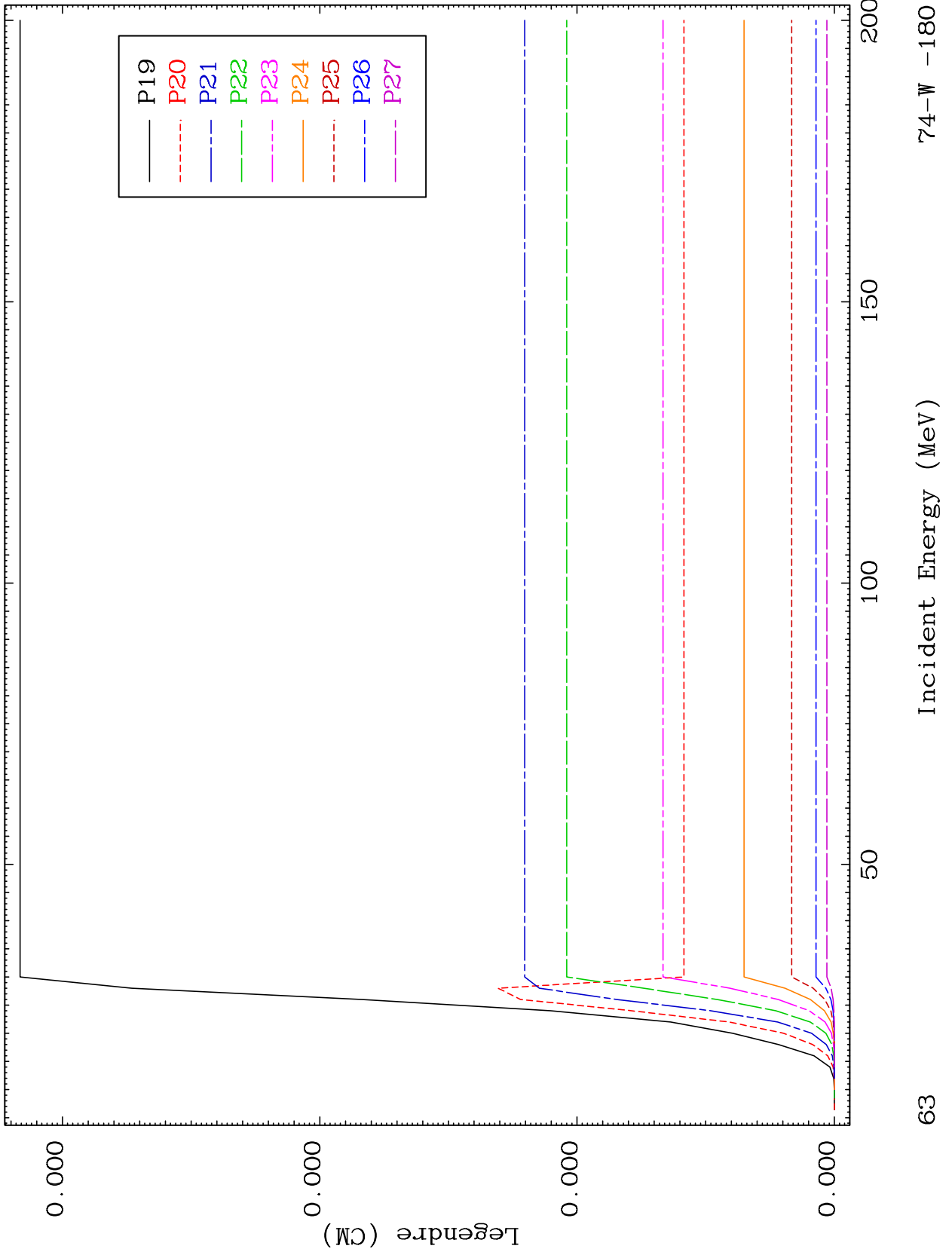
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180



63

Incident Energy (MeV)

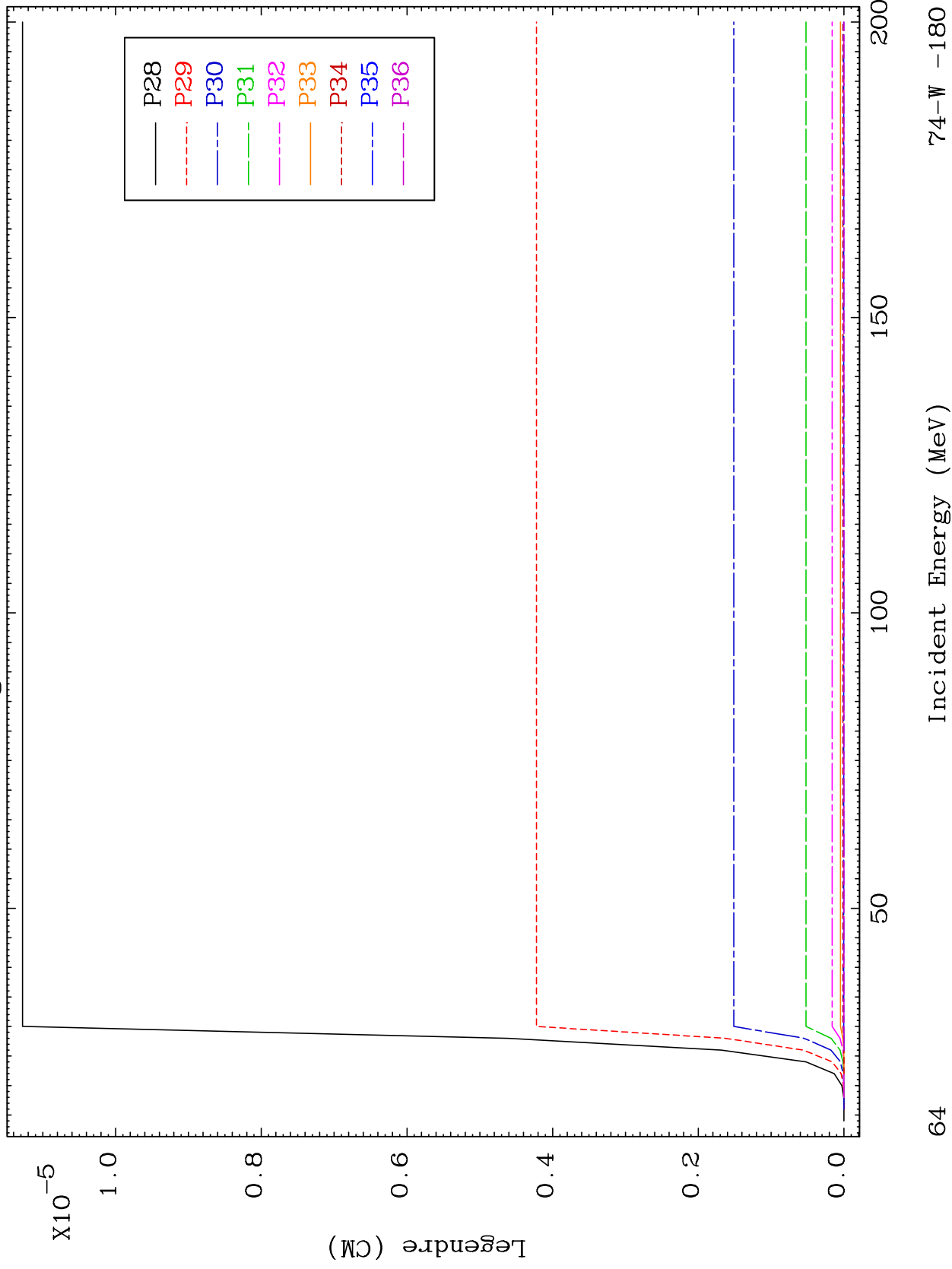
74-W -180



MAT 7425

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

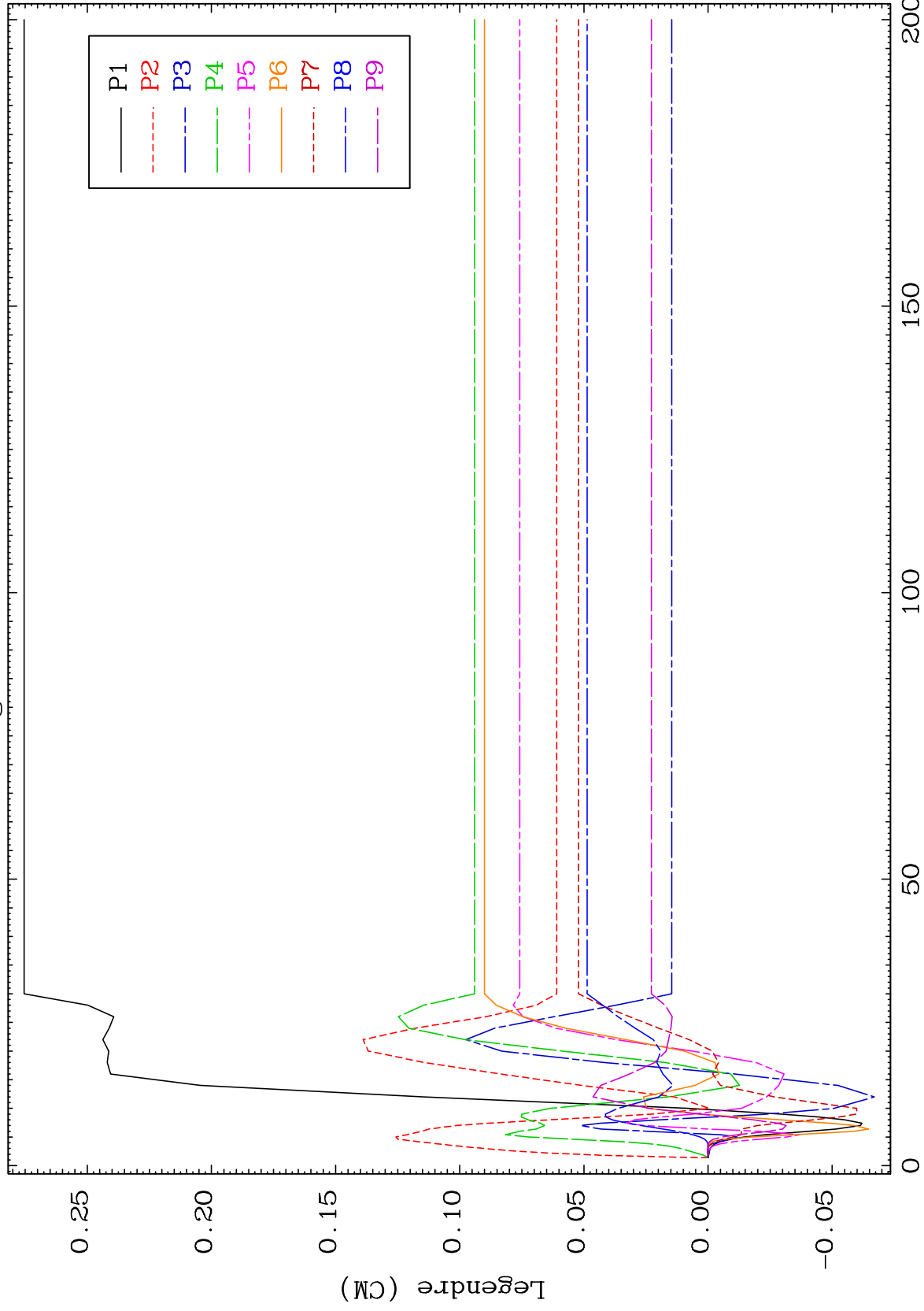
74-W -180



MAT 7425

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

74-W -180



65

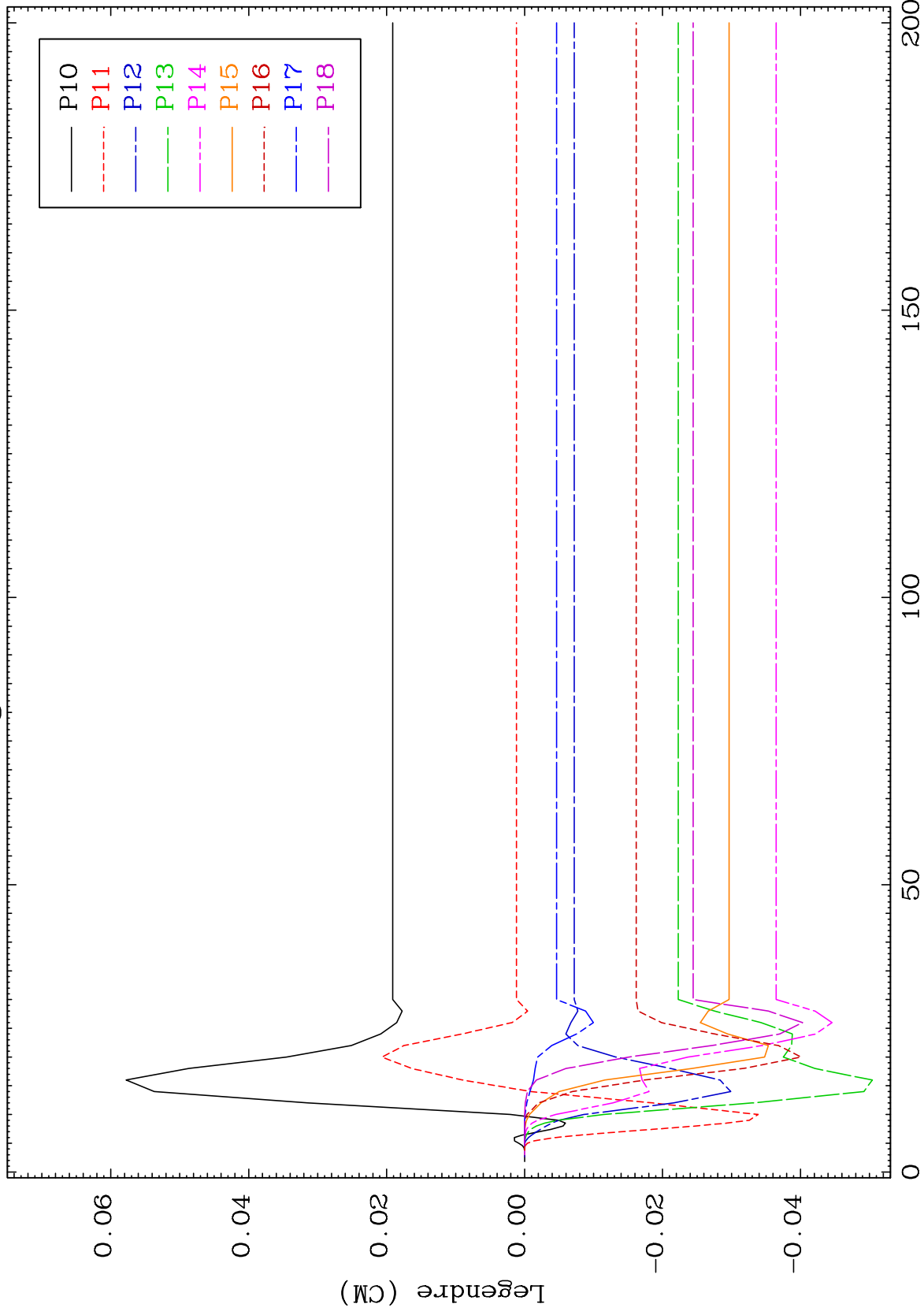
Incident Energy (MeV)

74-W -180

MAT 7425

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

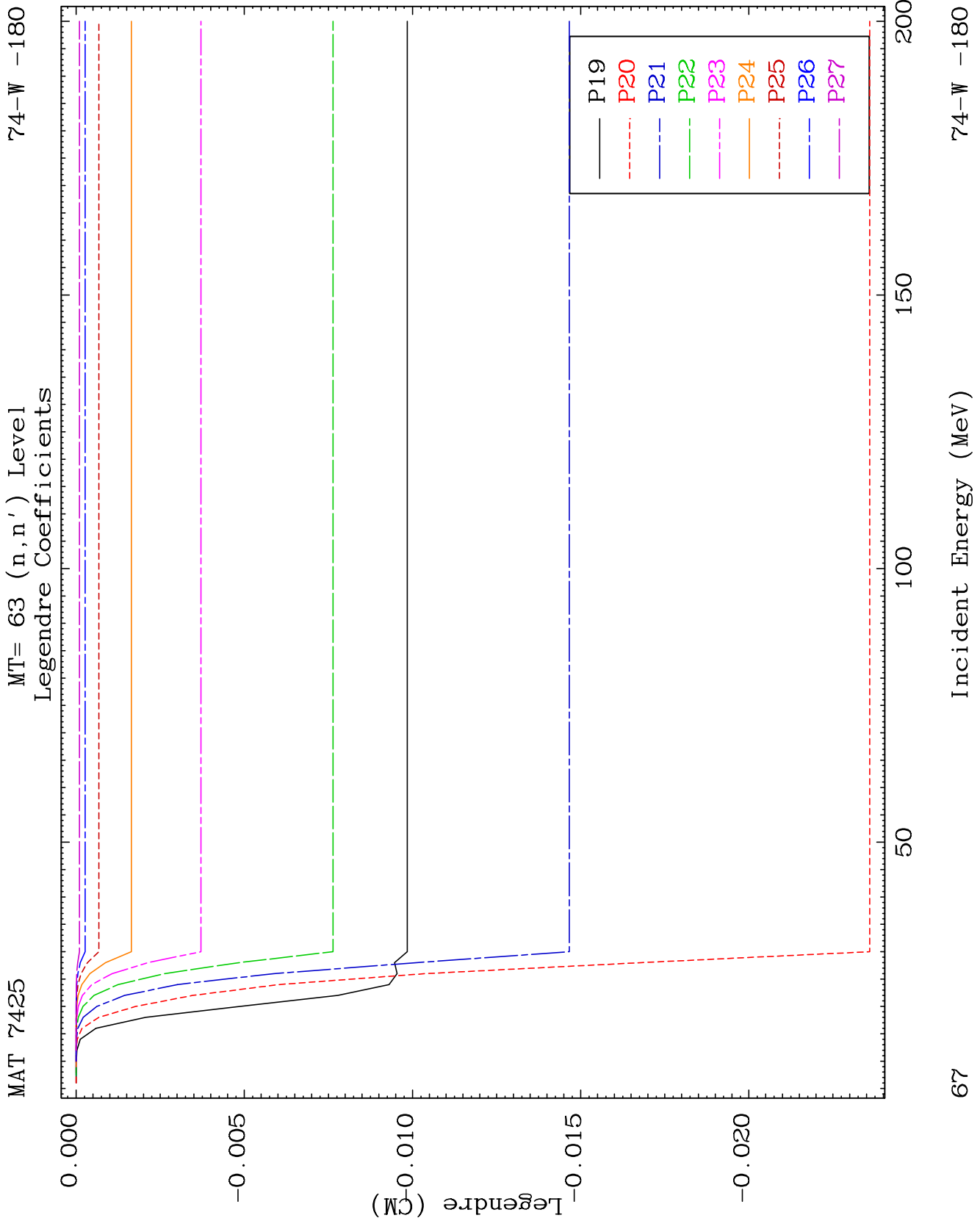
74-W -180

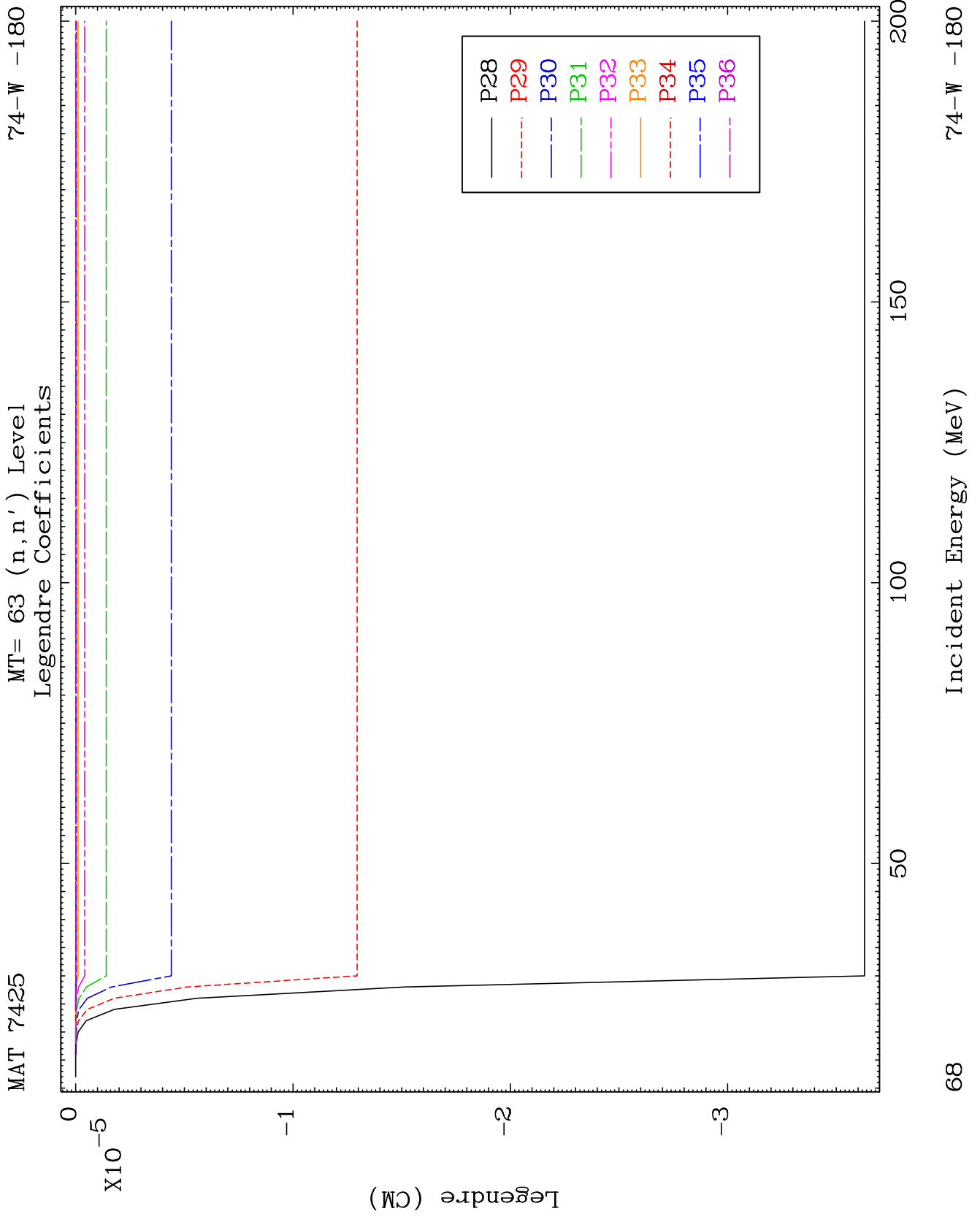


66

Incident Energy (MeV)

74-W -180

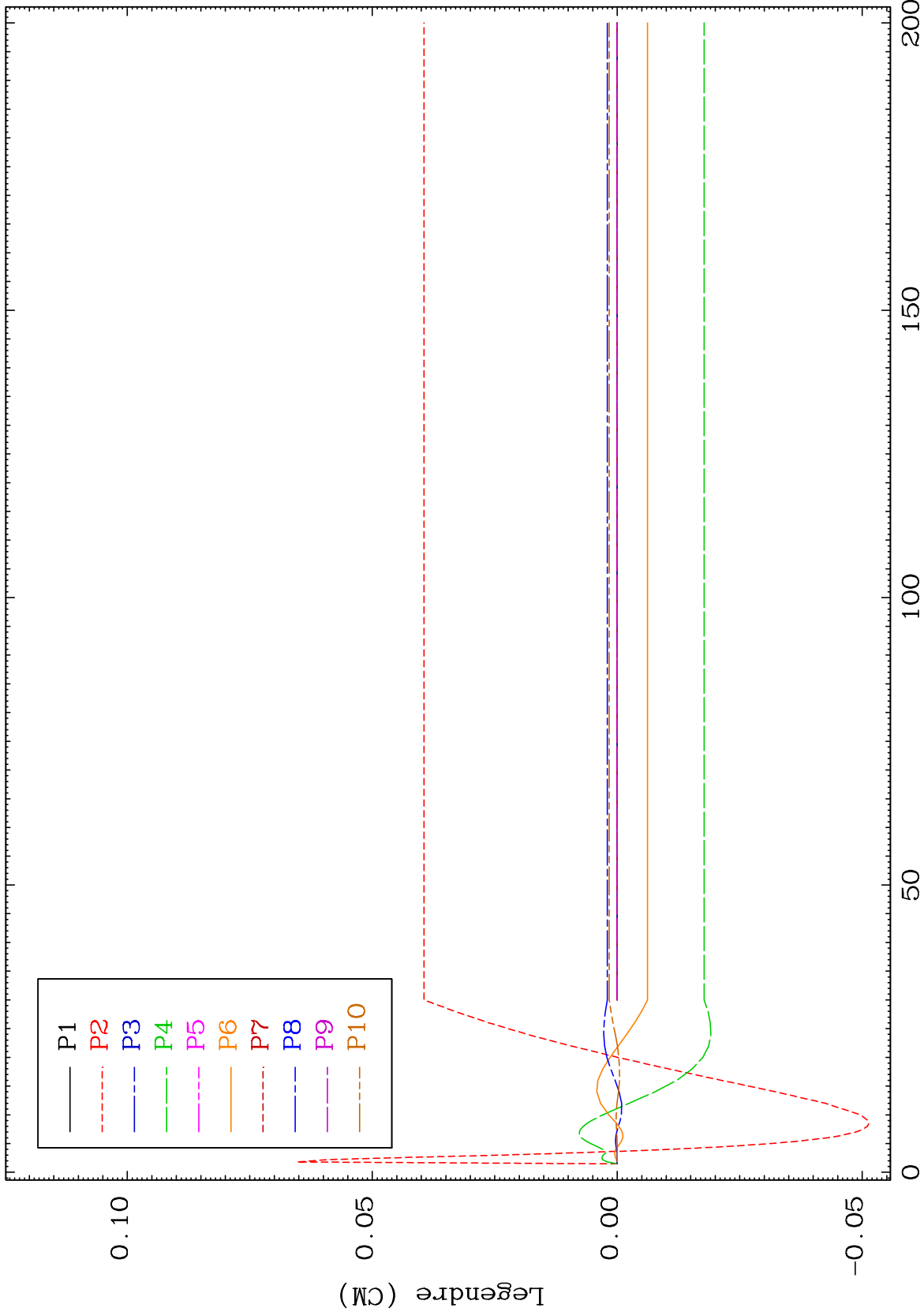




MAT 7425

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

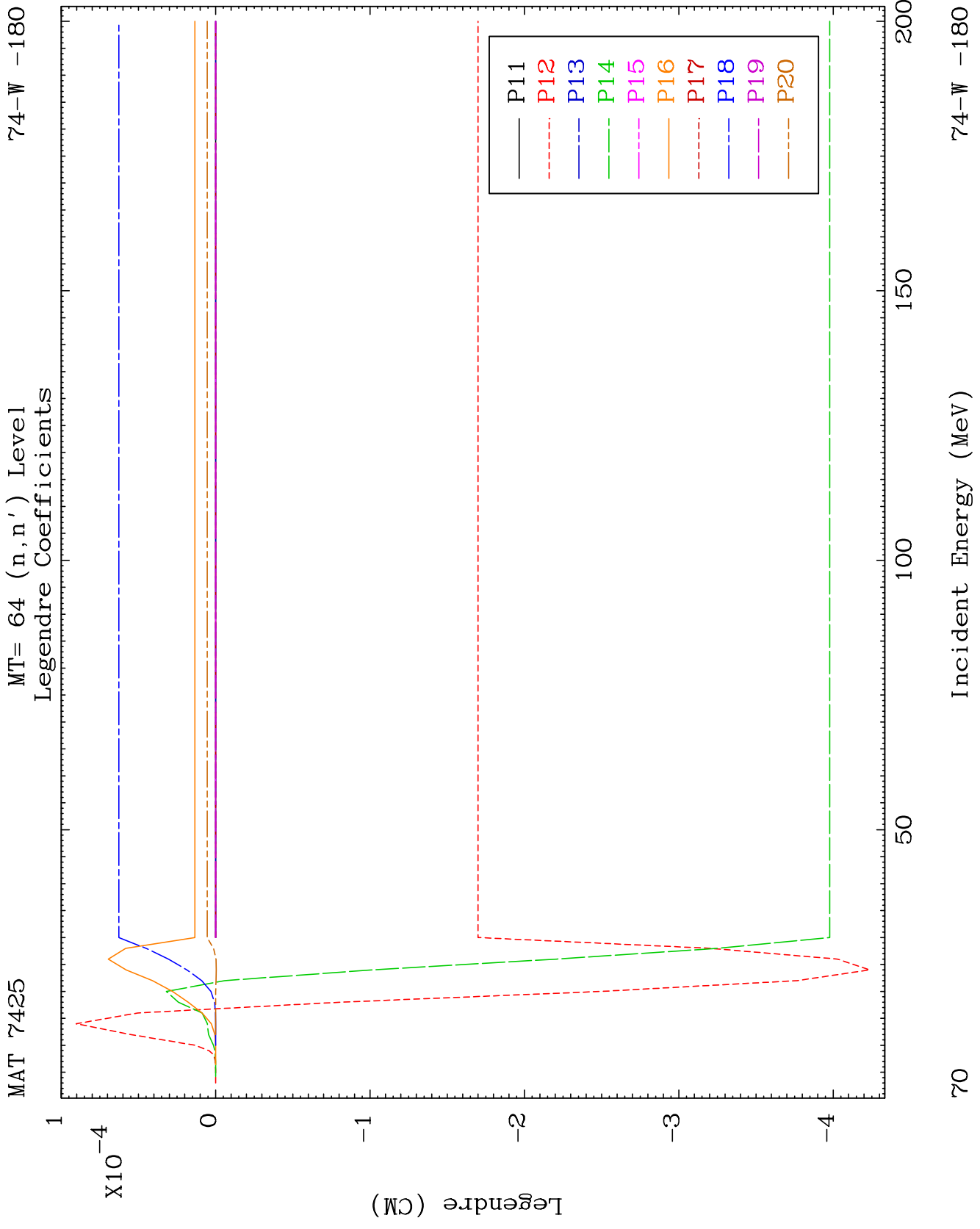
74-W -180

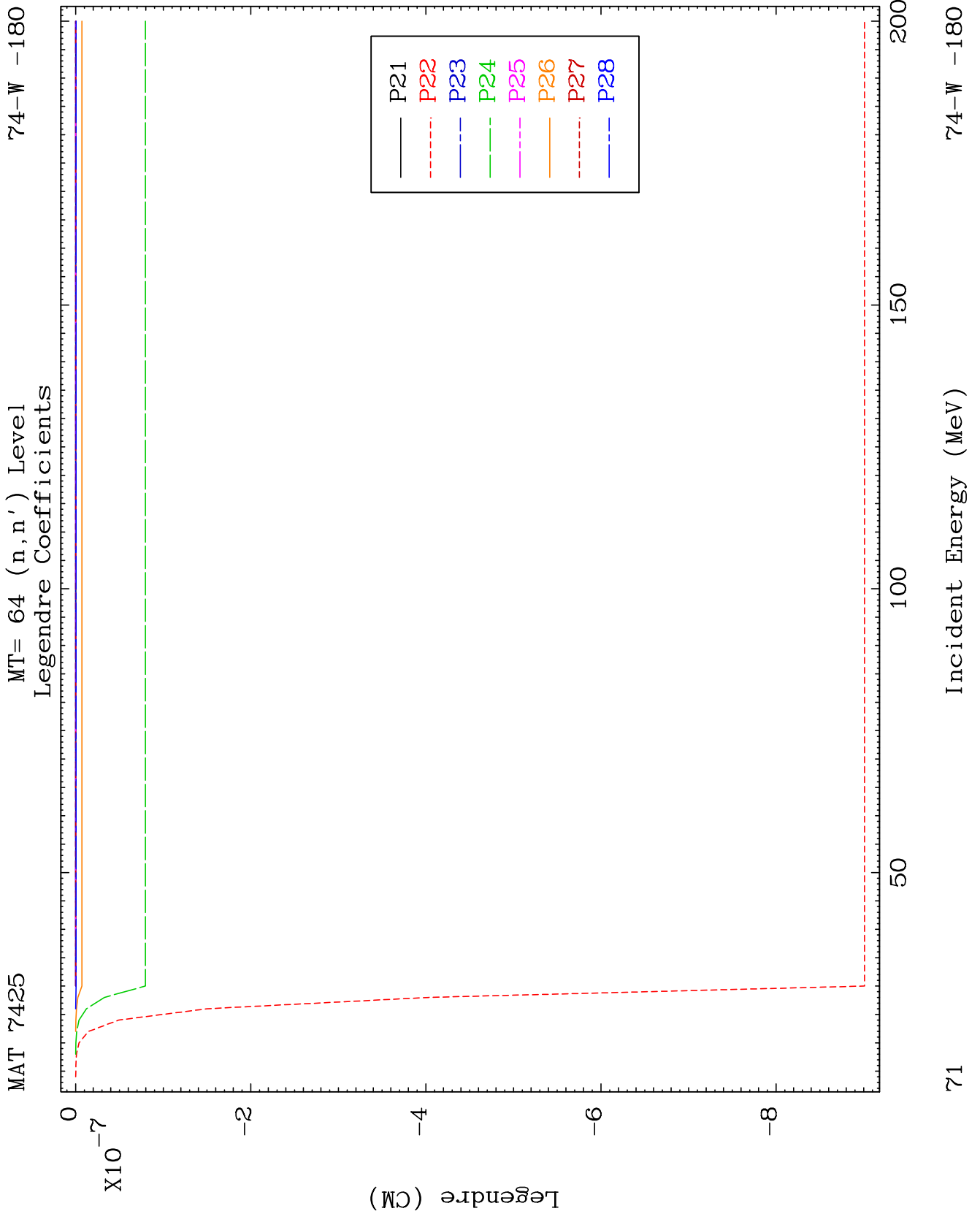


69

Incident Energy (MeV)

74-W -180



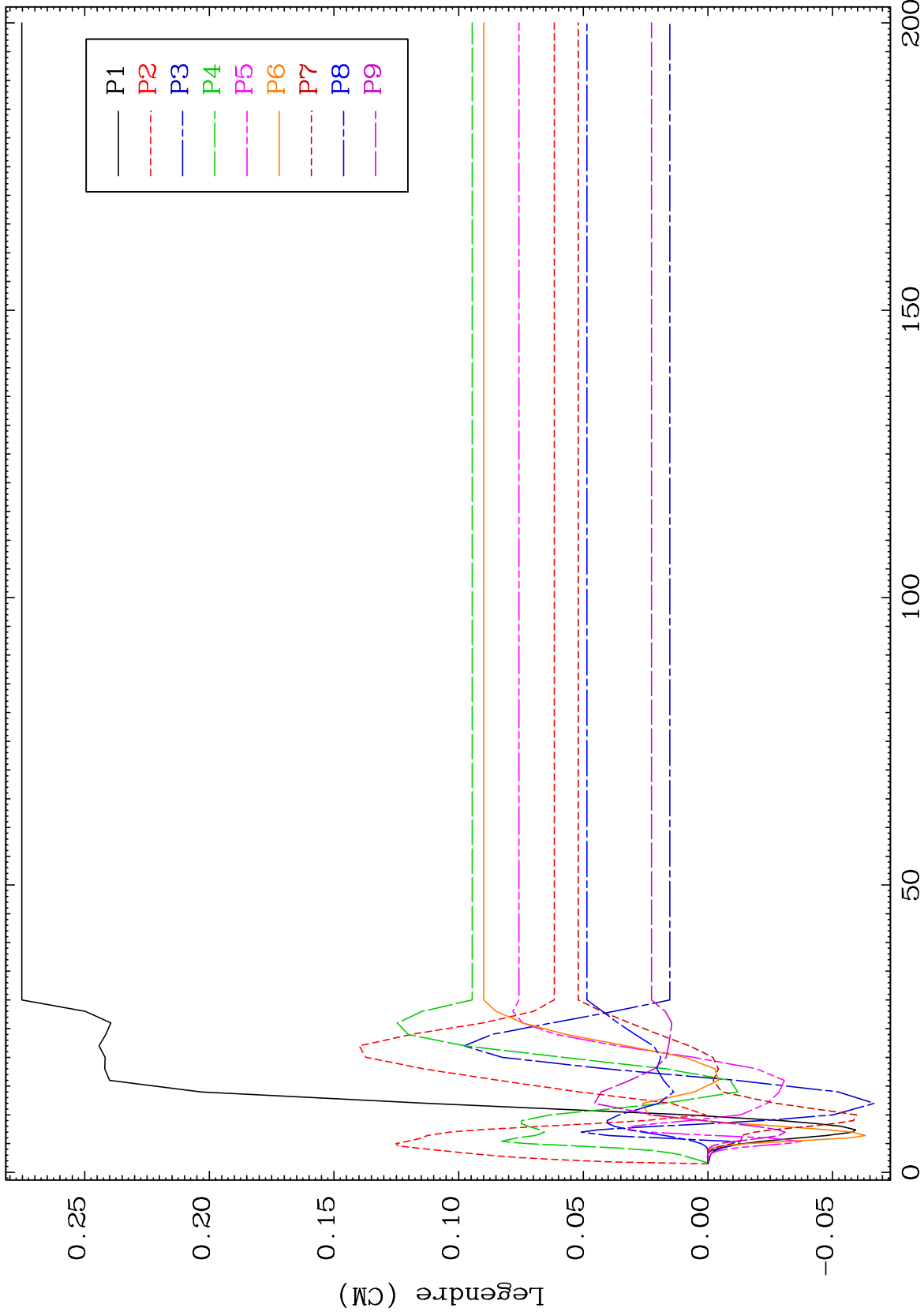




MAT 7425

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

74-W -180



72

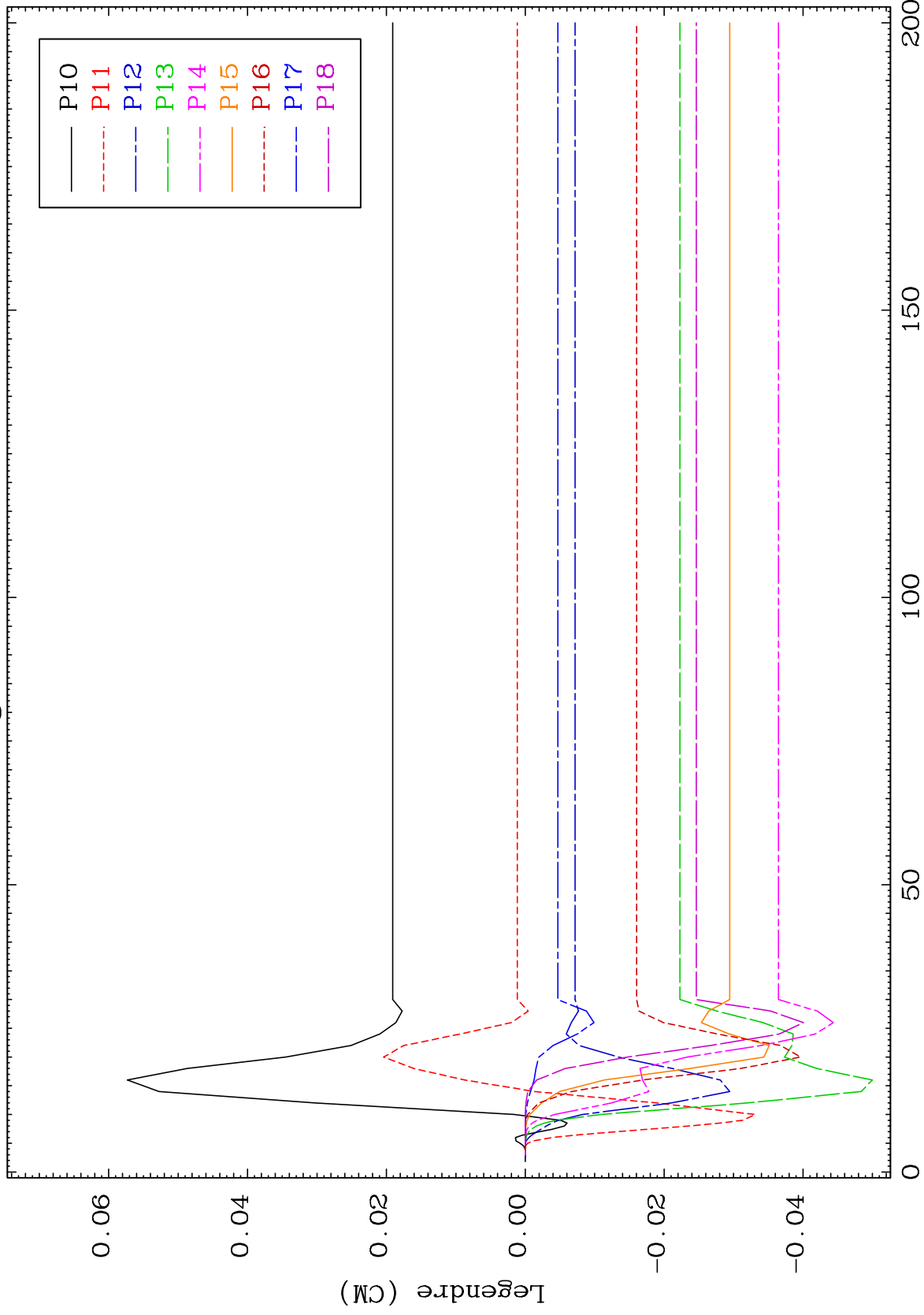
Incident Energy (MeV)

74-W -180

MAT 7425

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

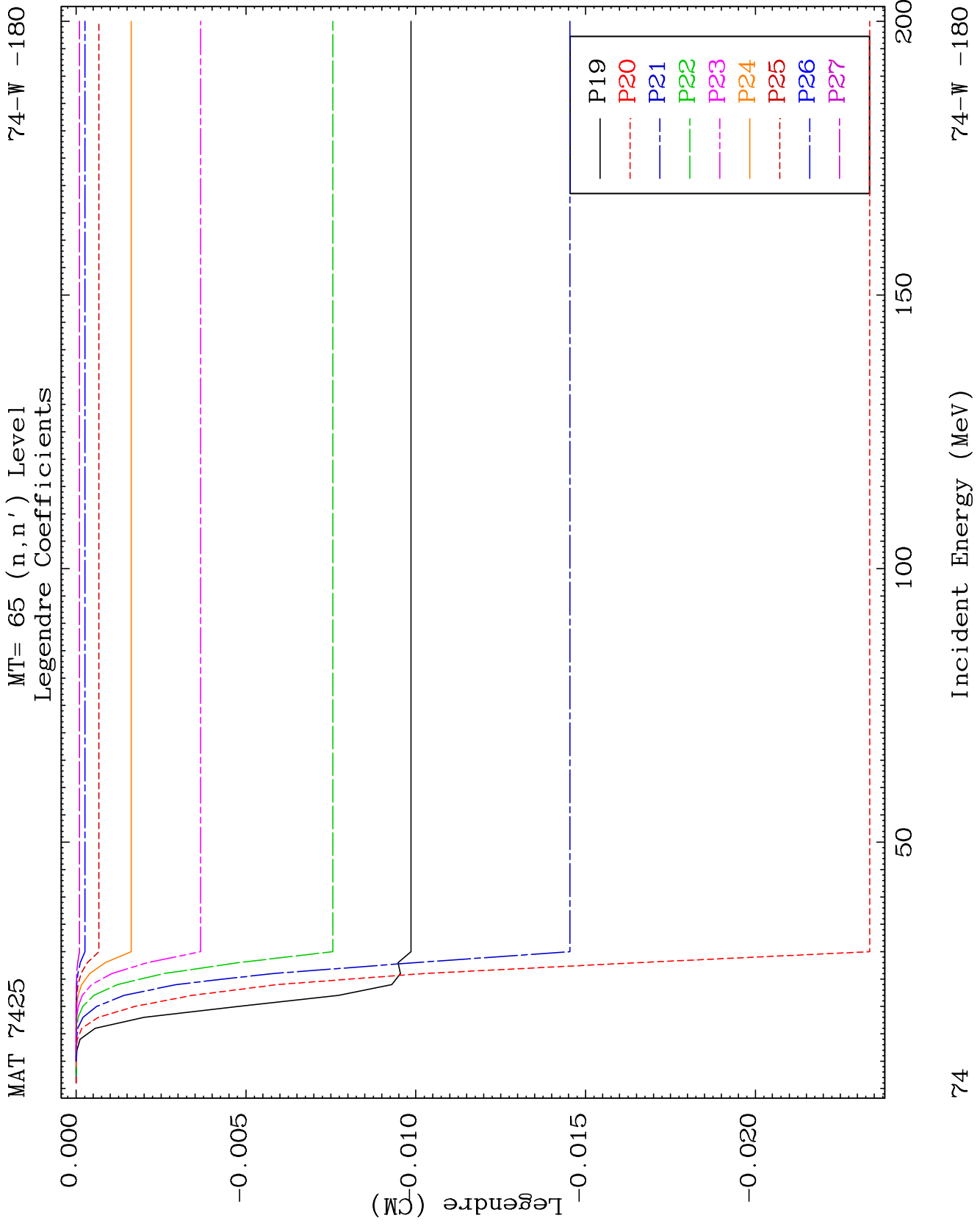
74-W -180

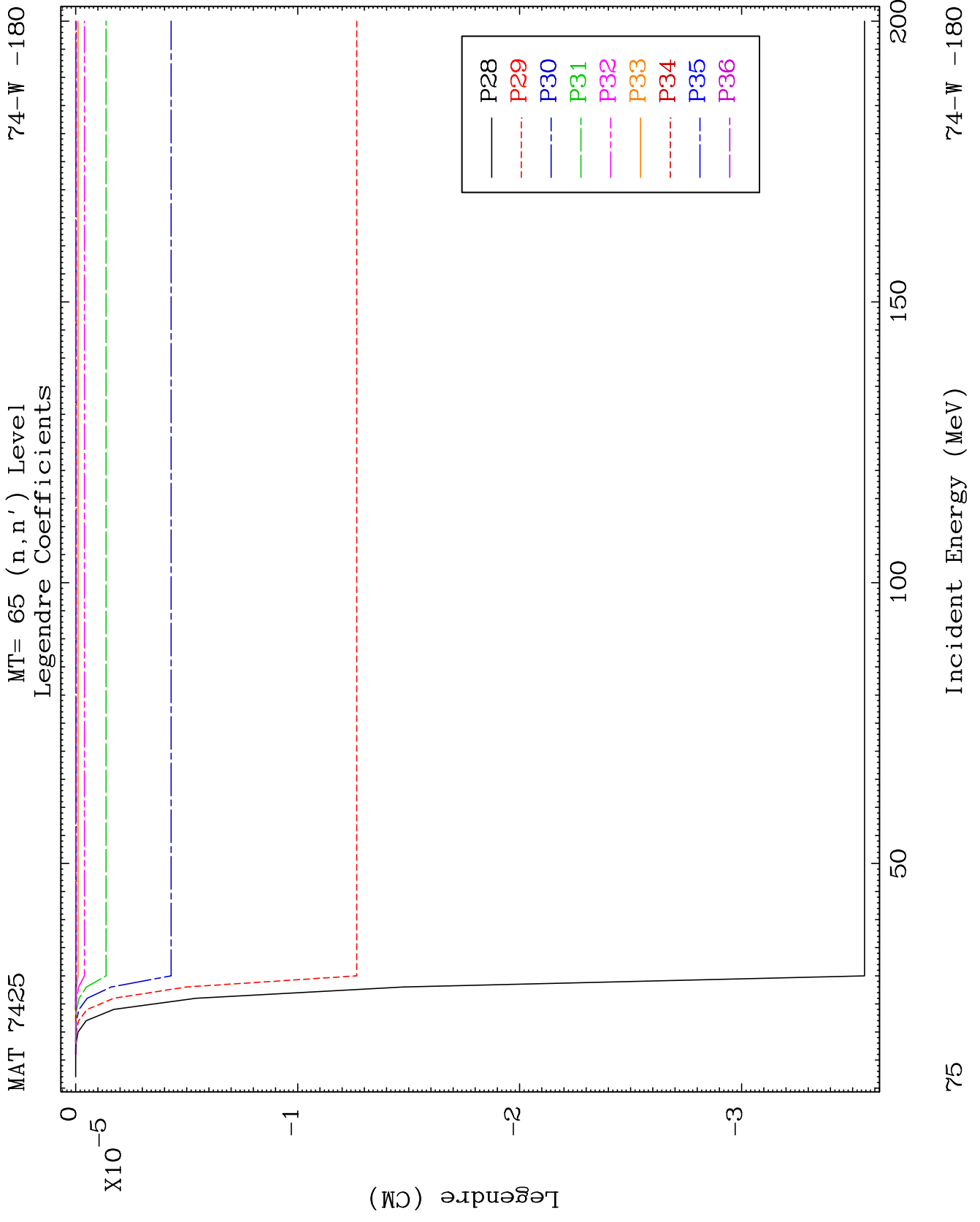


73

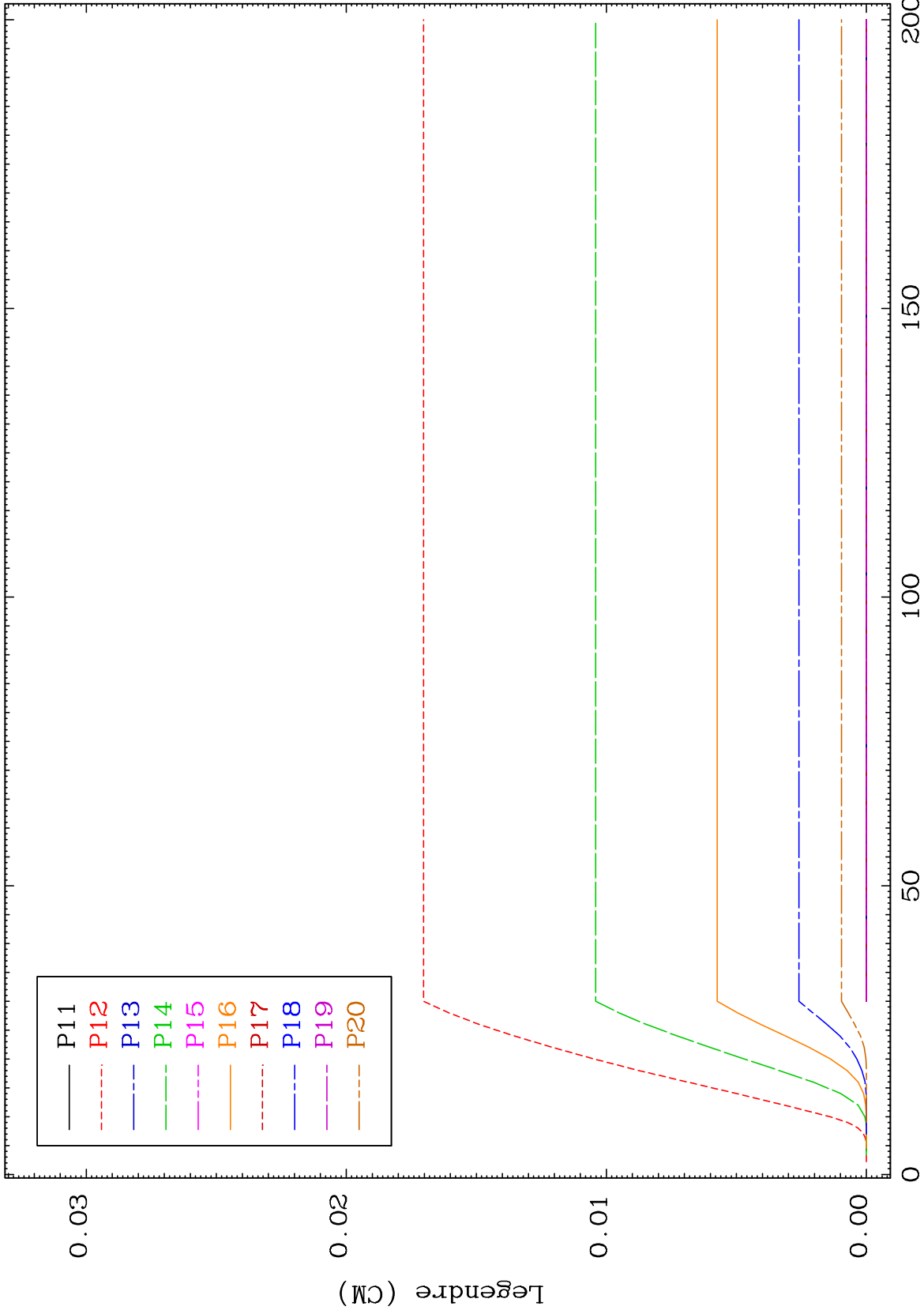
Incident Energy (MeV)

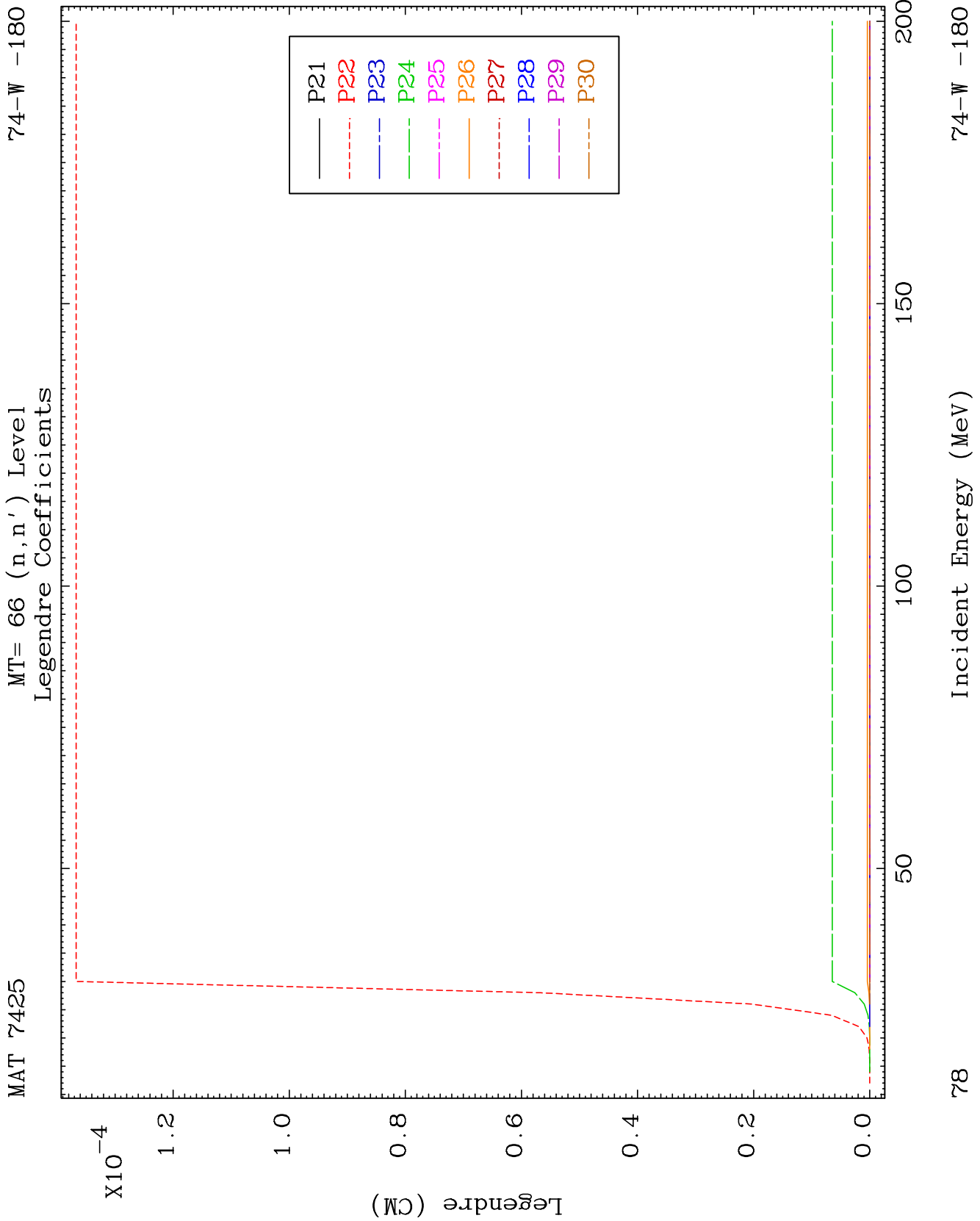
74-W -180







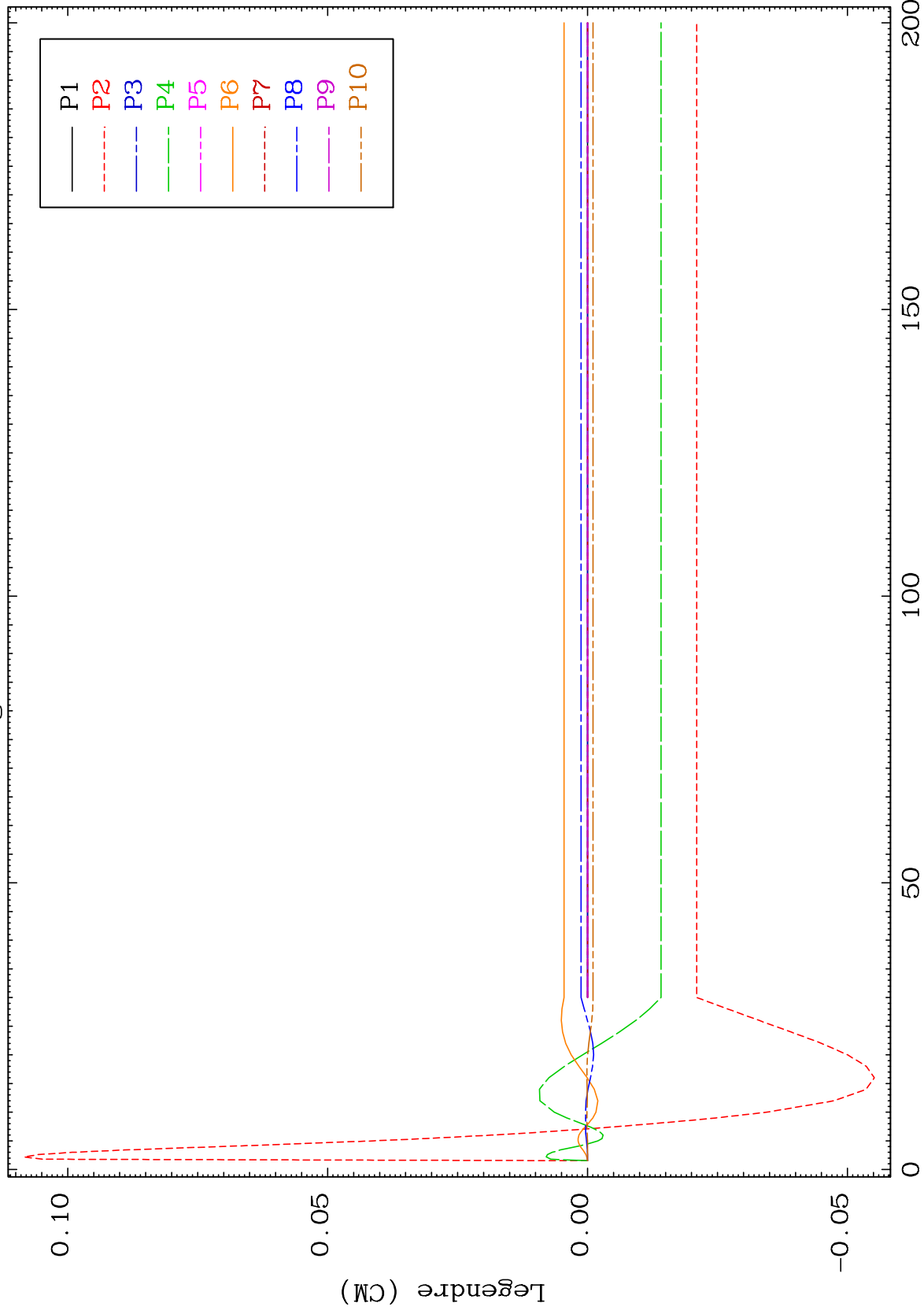




MAT 7425

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

74-W -180



79

Incident Energy (MeV)

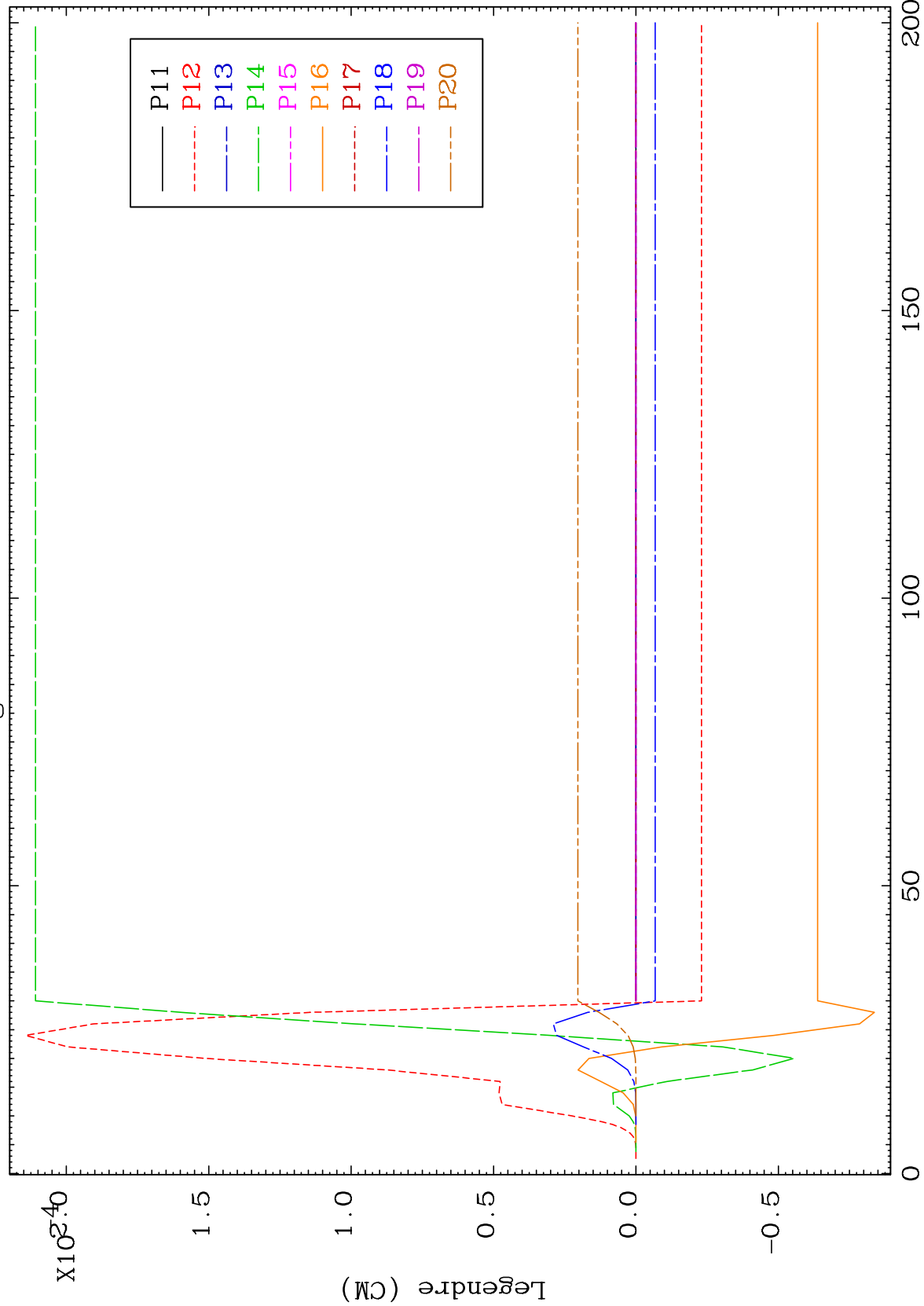
74-W -180



MAT 7425

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

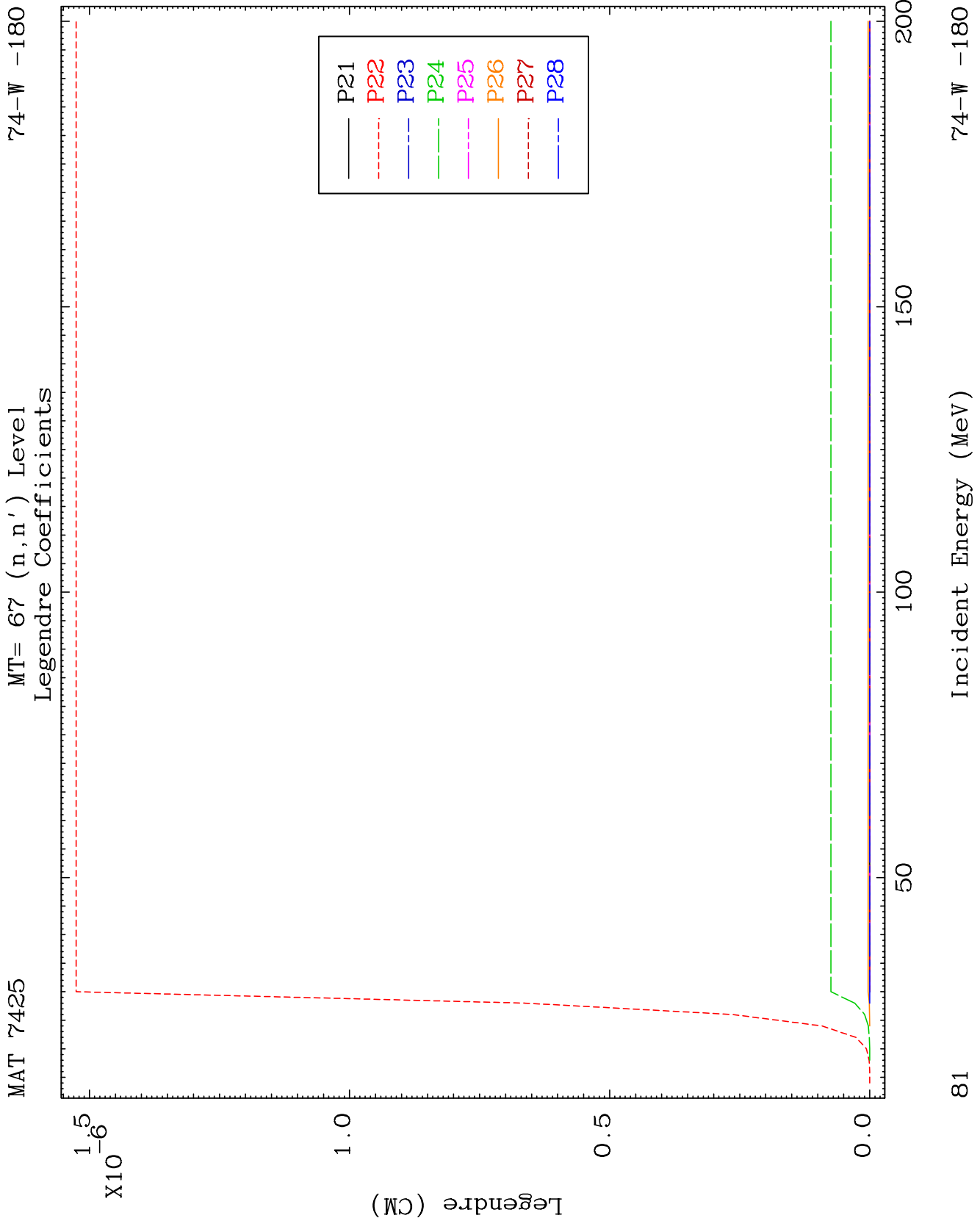
74-W -180



80

Incident Energy (MeV)

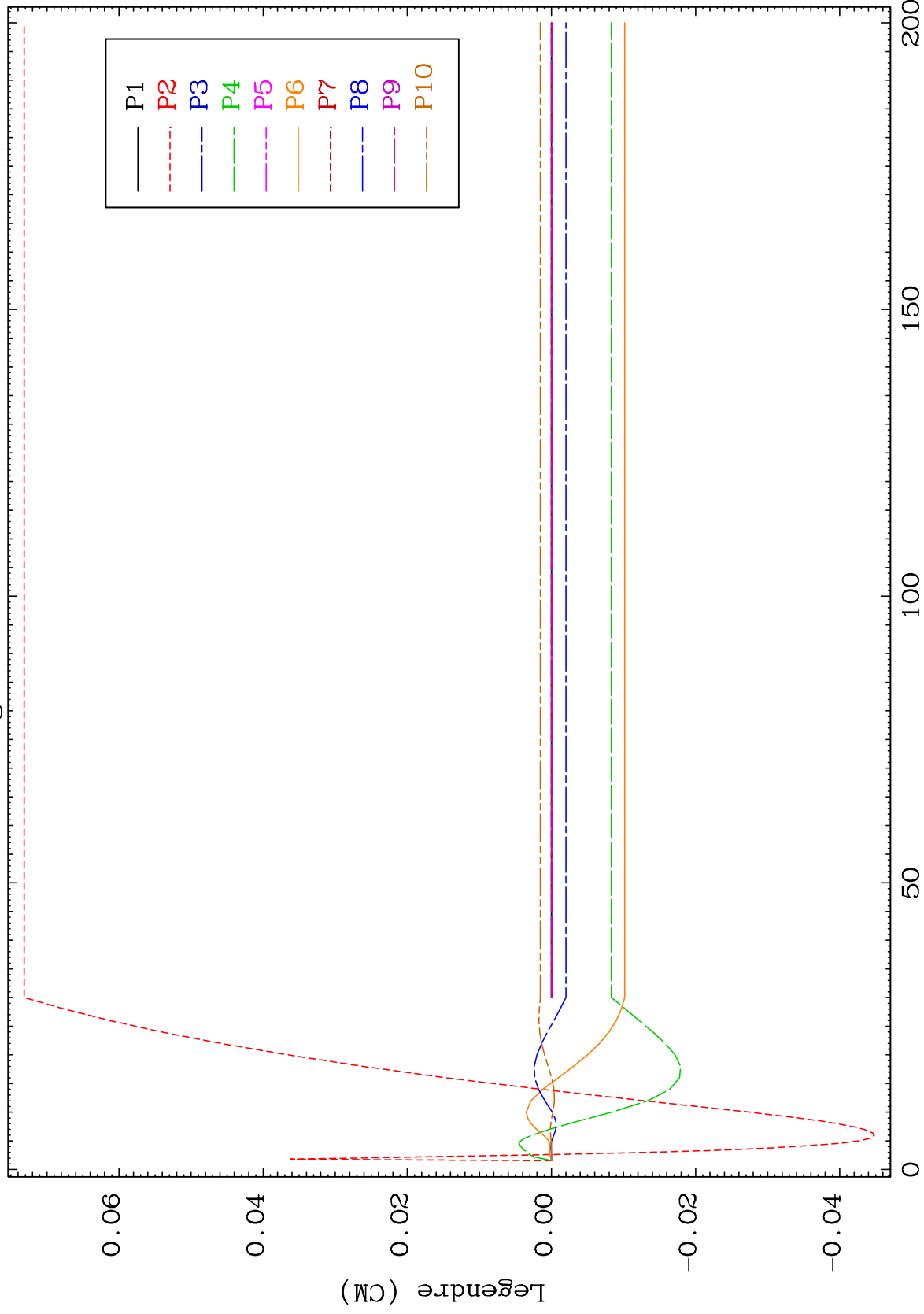
74-W -180



MAT 7425

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

74-W -180



82

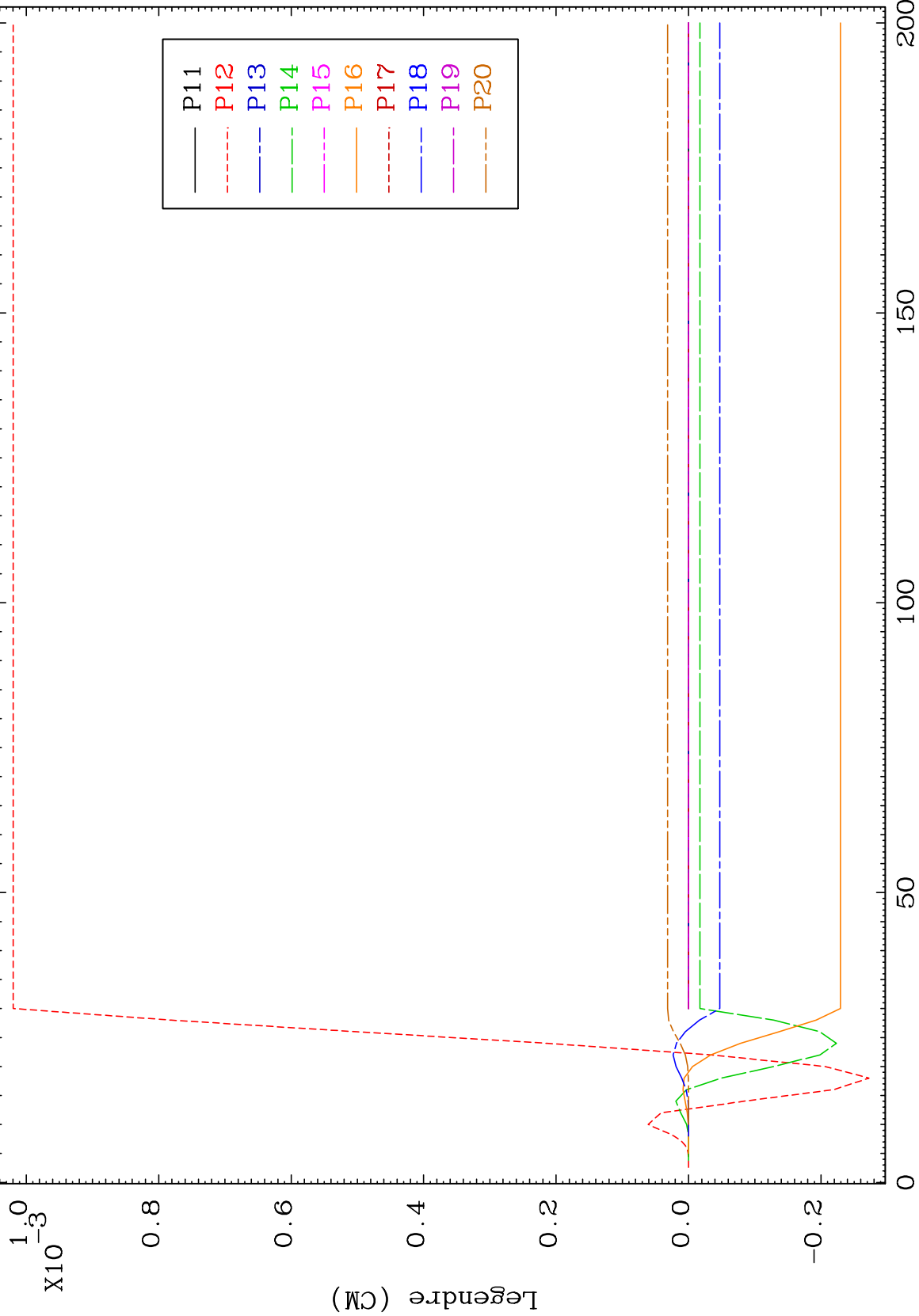
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180



83

Incident Energy (MeV)

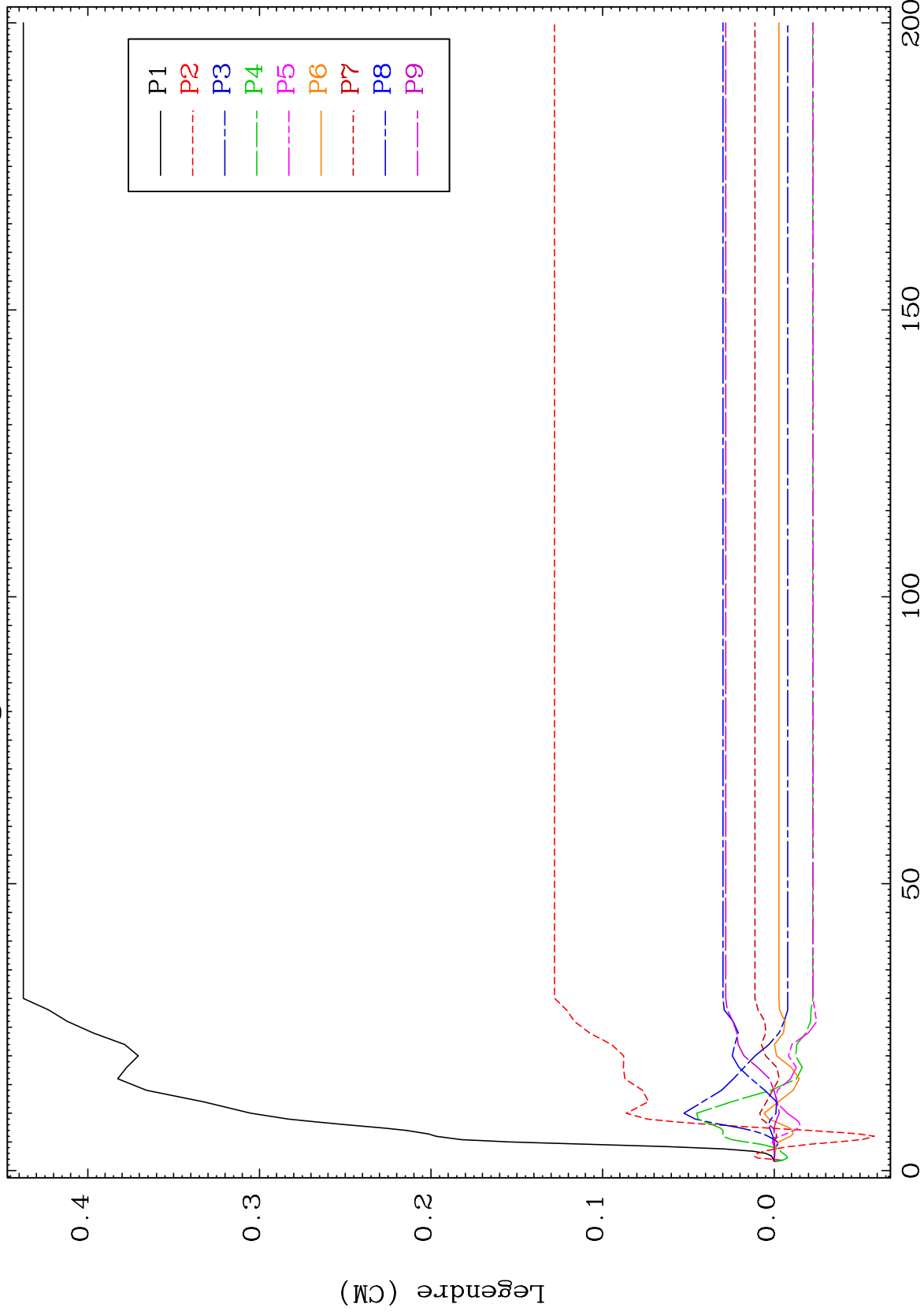
74-W -180



MAT 7425

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

74-W -180



74-W -180

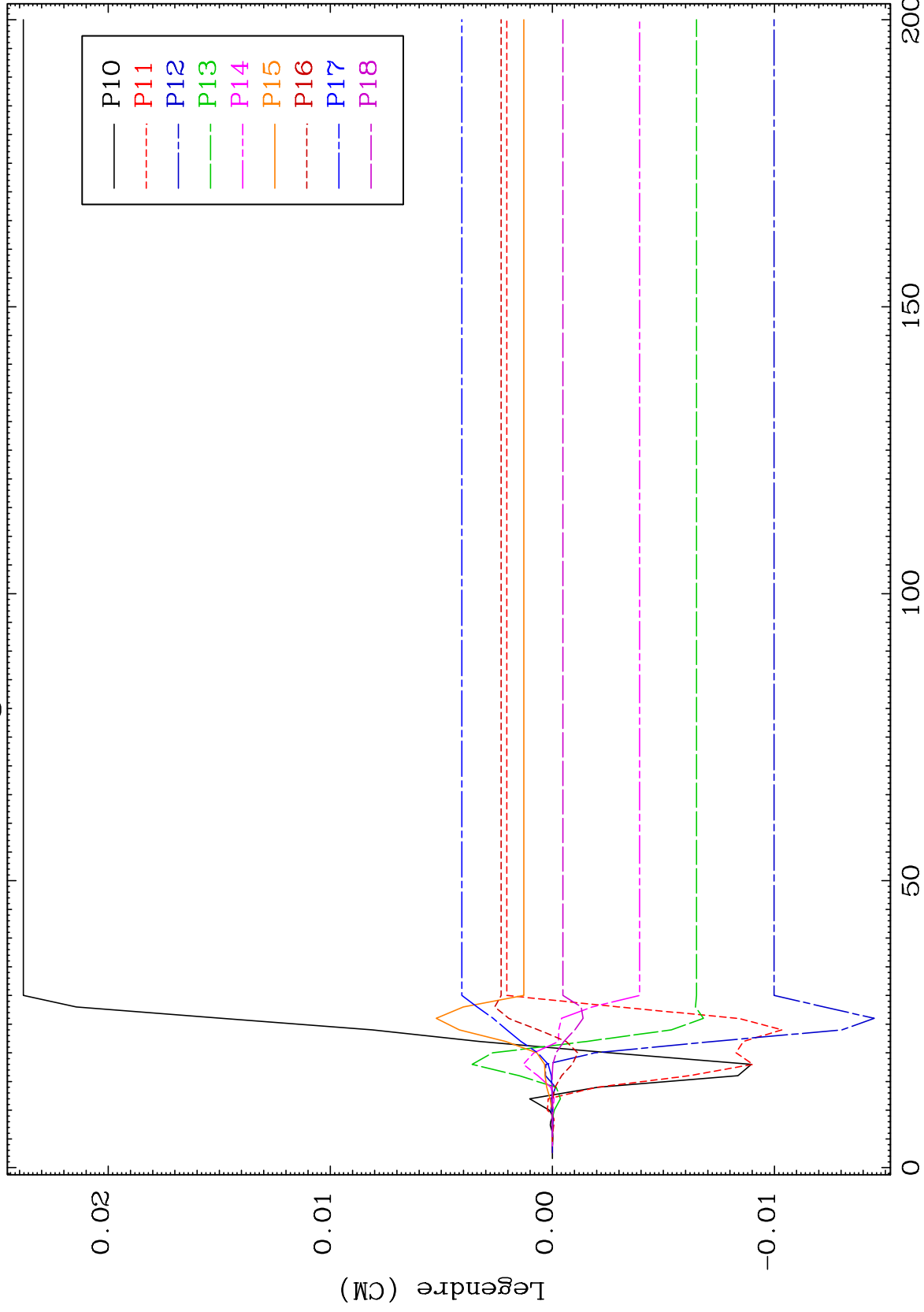
Incident Energy (MeV)

85

MAT 7425

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

74-W -180



74-W -180

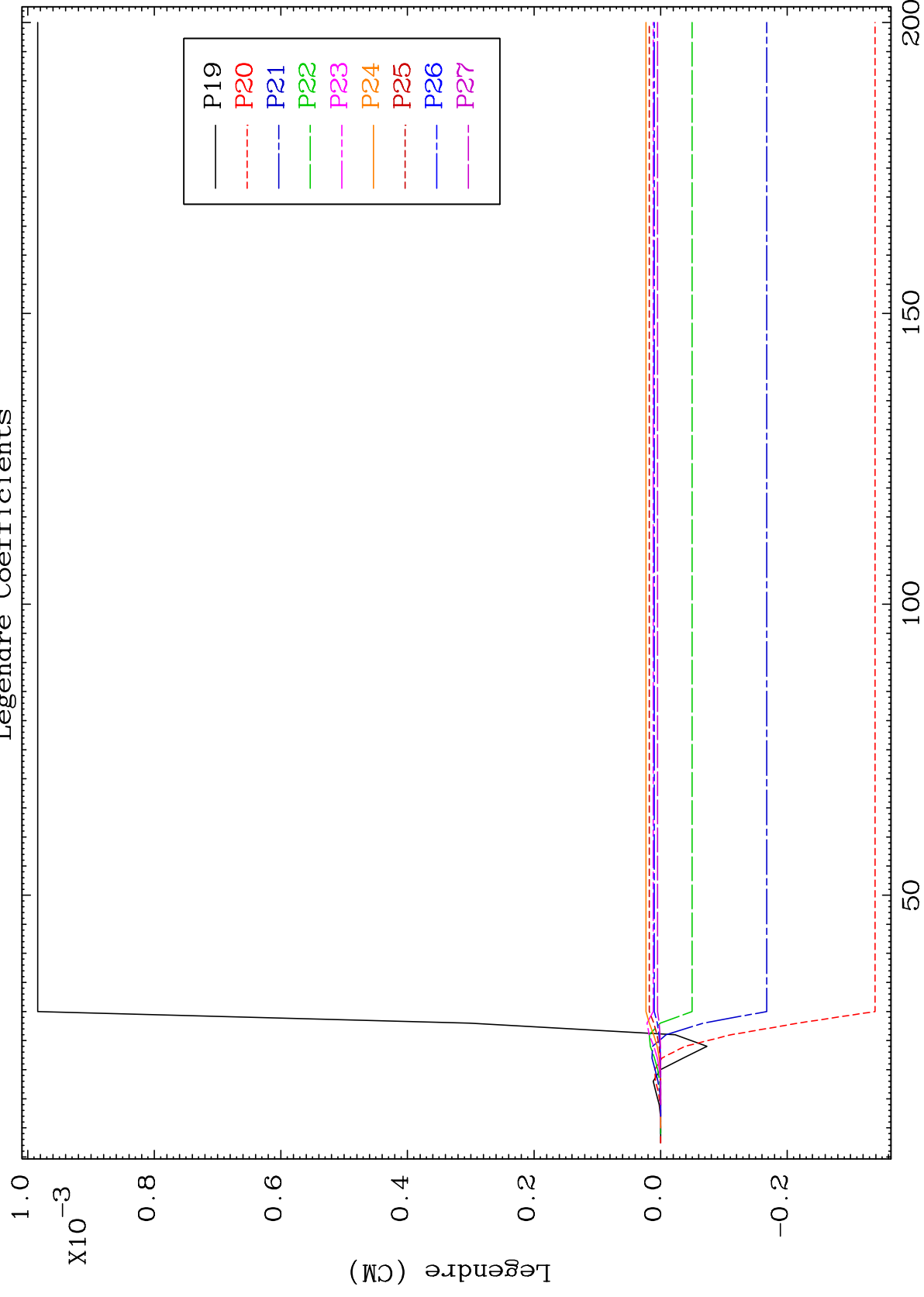
Incident Energy (MeV)

86

MAT 7425

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

74-W -180



87

Incident Energy (MeV)

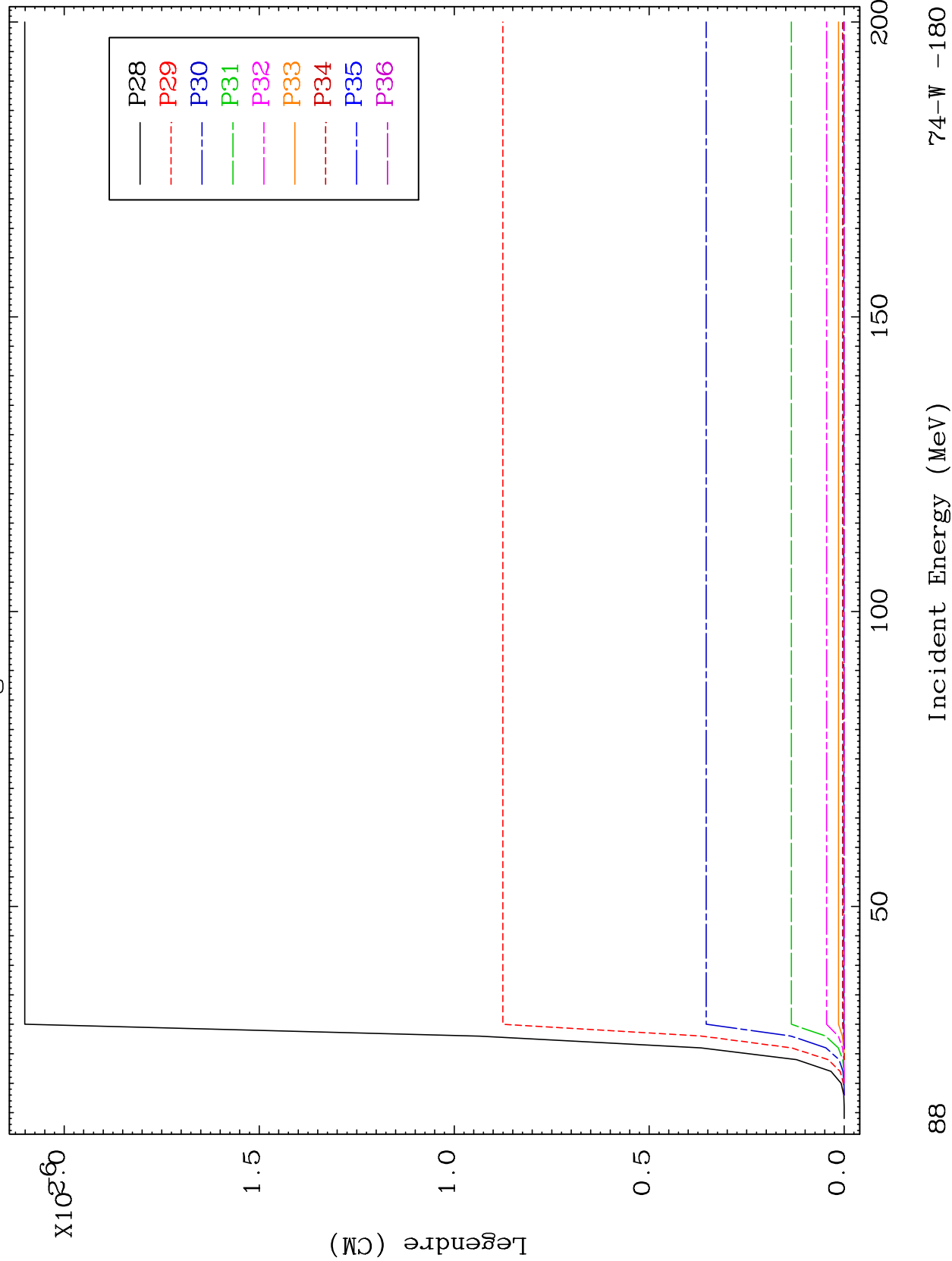
74-W -180



MAT 7425

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

74-W -180



88

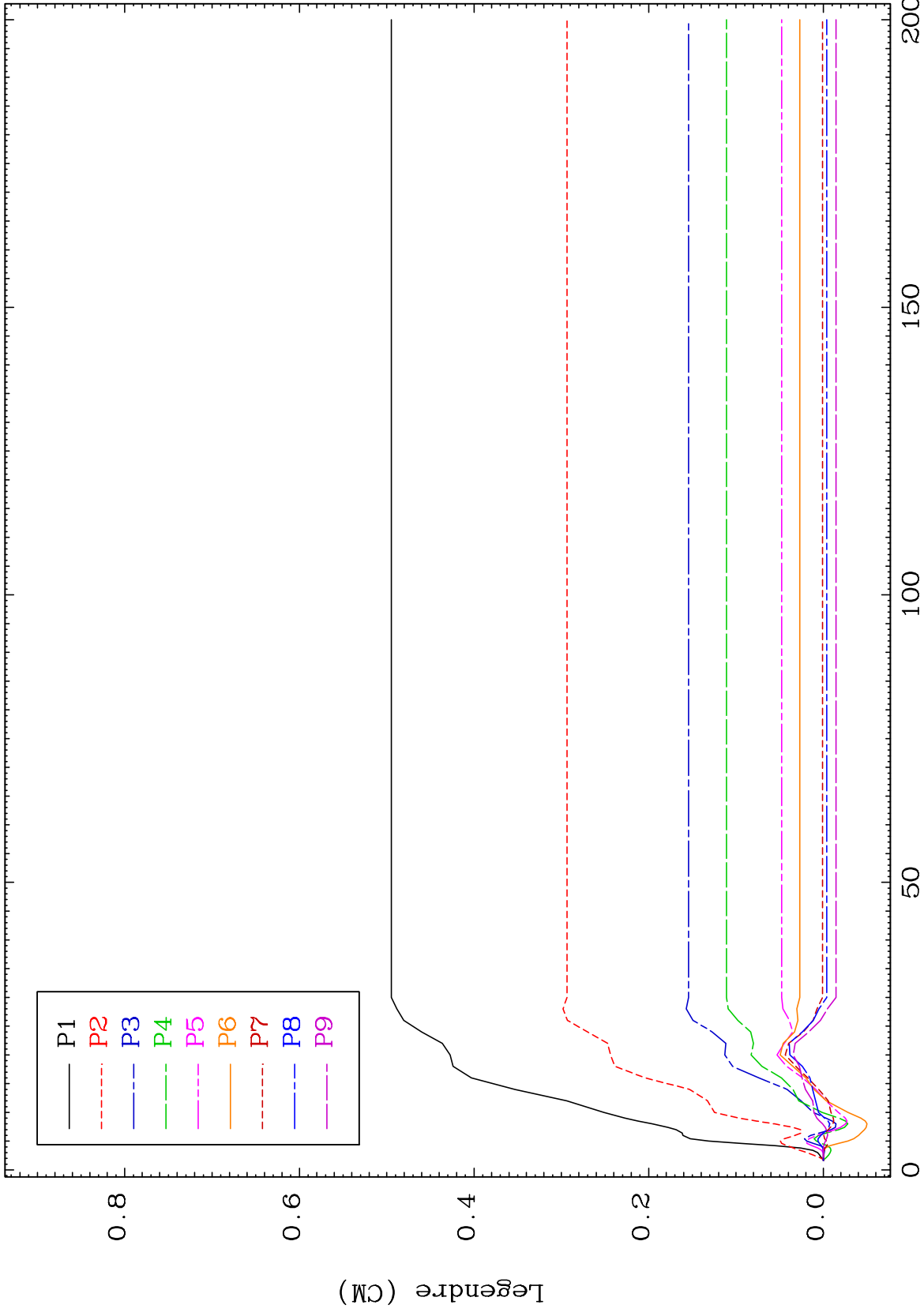
Incident Energy (MeV)

74-W -180

MAT 7425

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

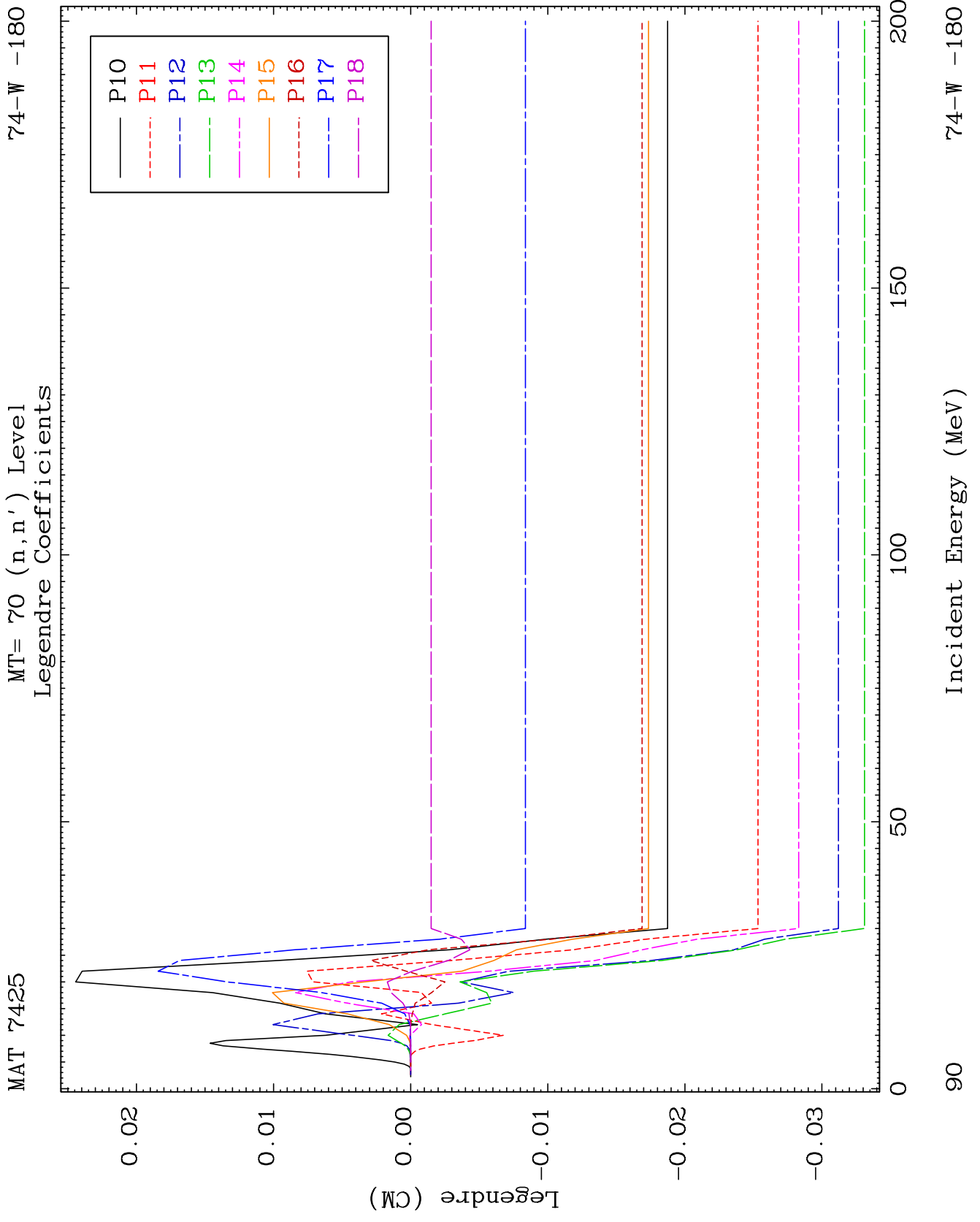
74-W -180



89

Incident Energy (MeV)

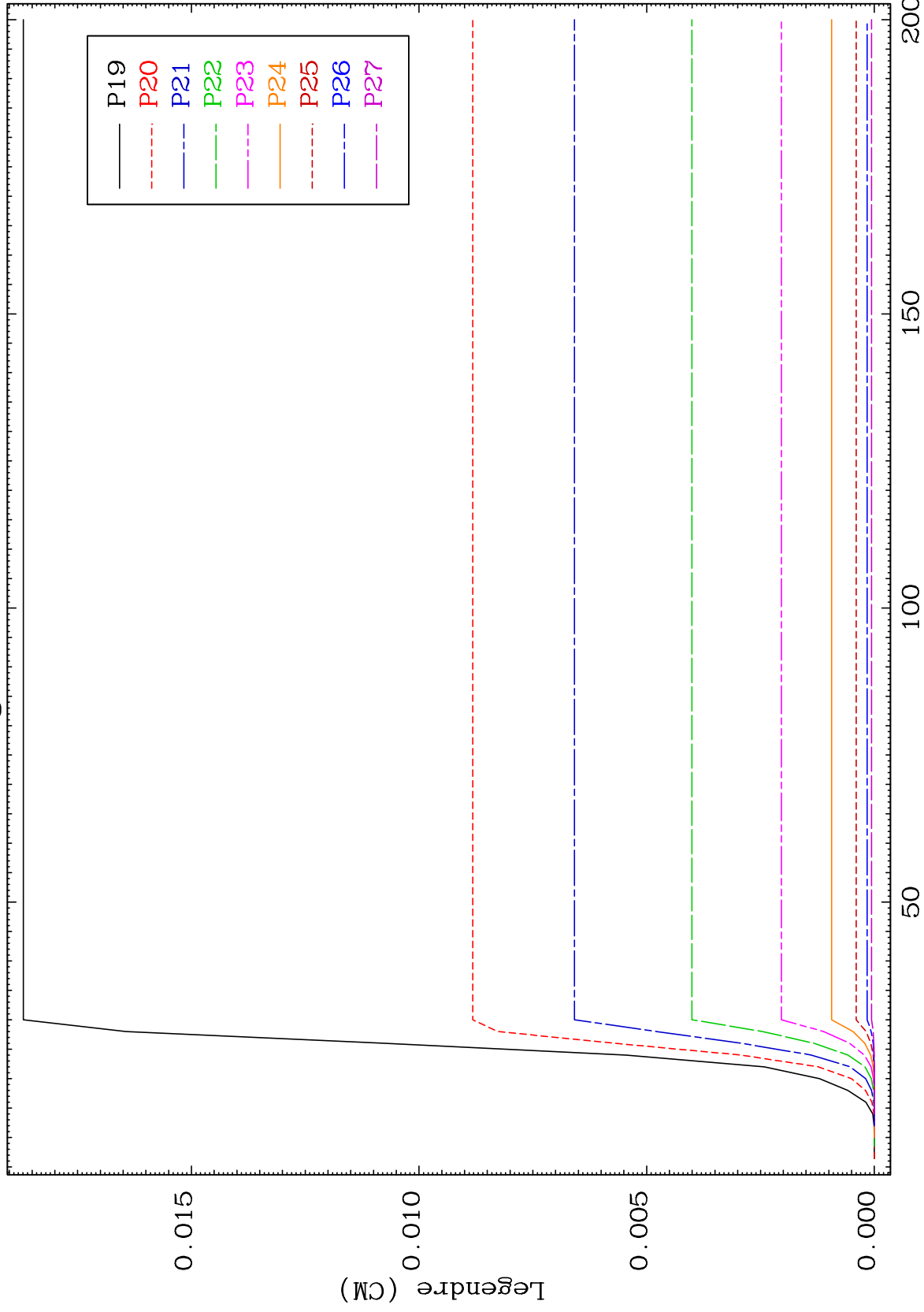
74-W -180



MAT 7425

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

74-W -180



91

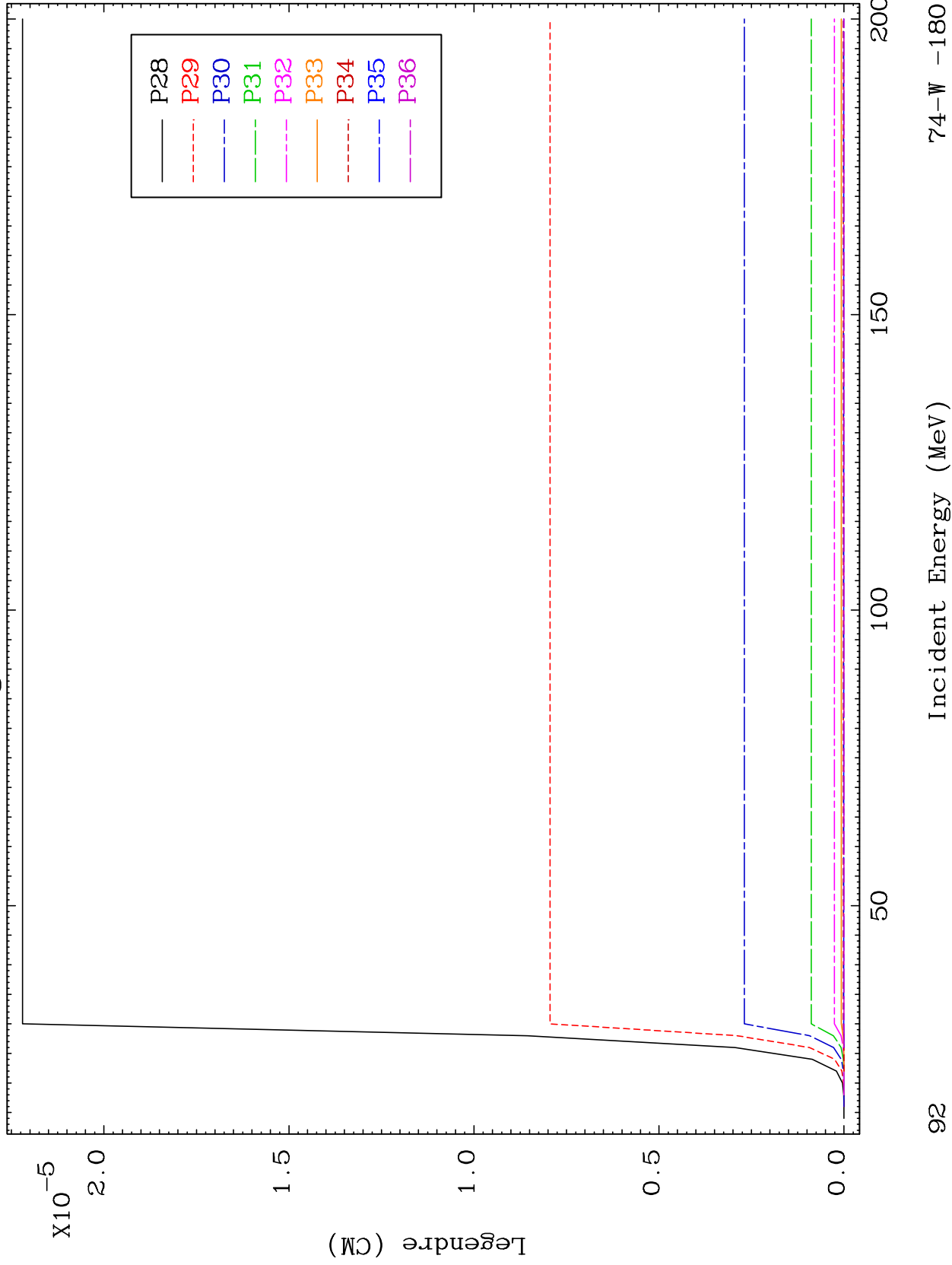
Incident Energy (MeV)

74-W -180

MAT 7425

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

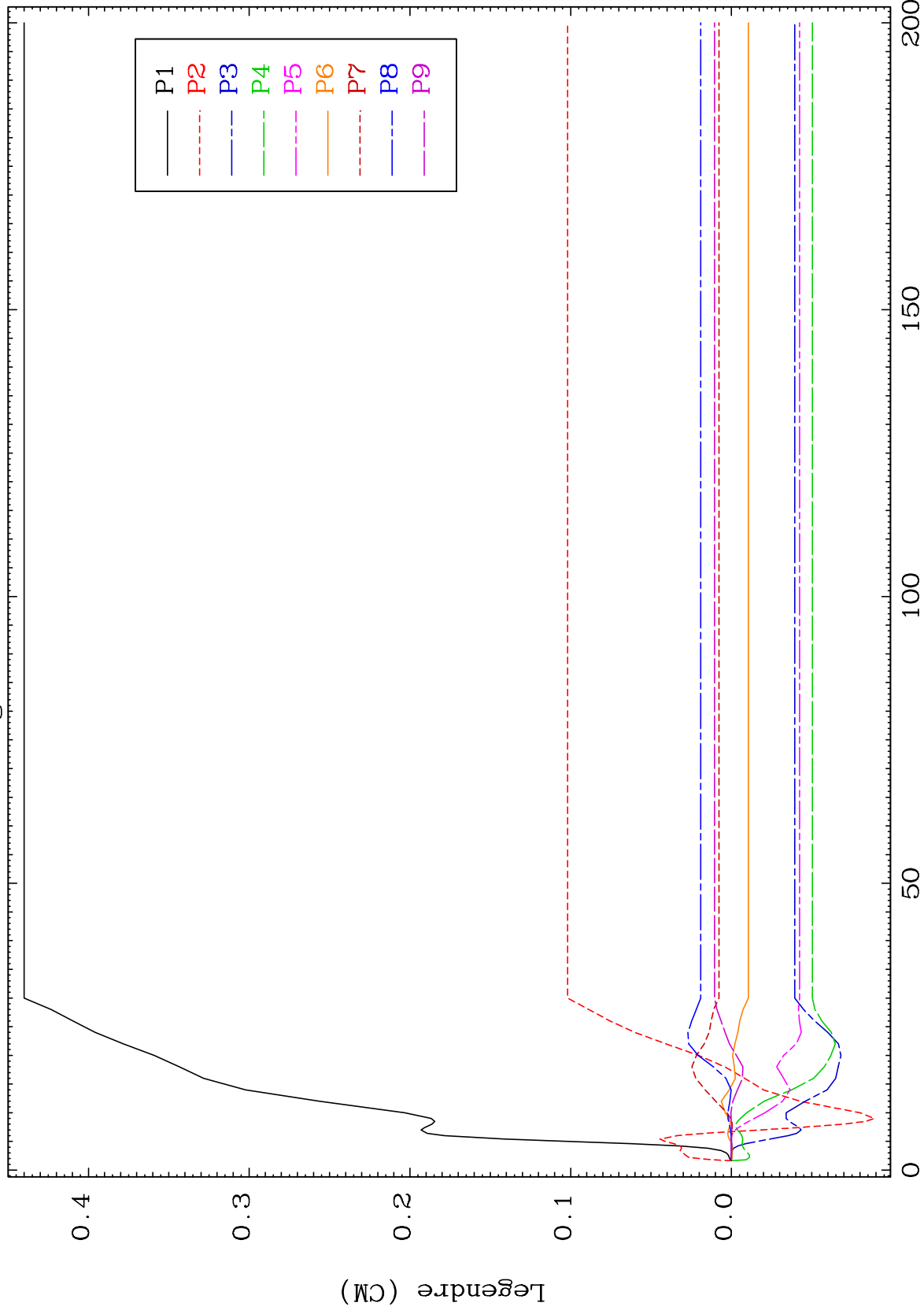
74-W -180



MAT 7425

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

74-W -180



93

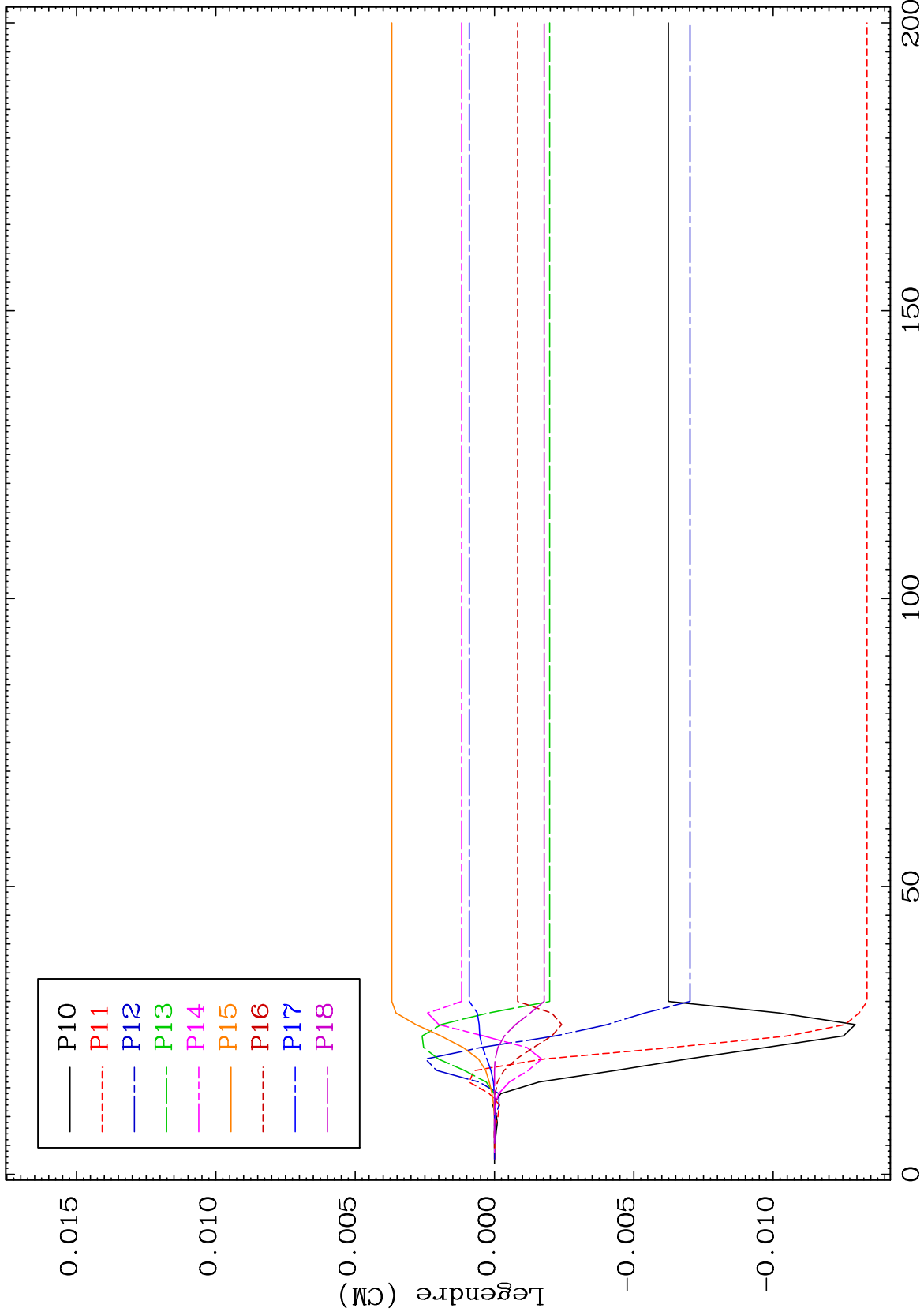
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180



94

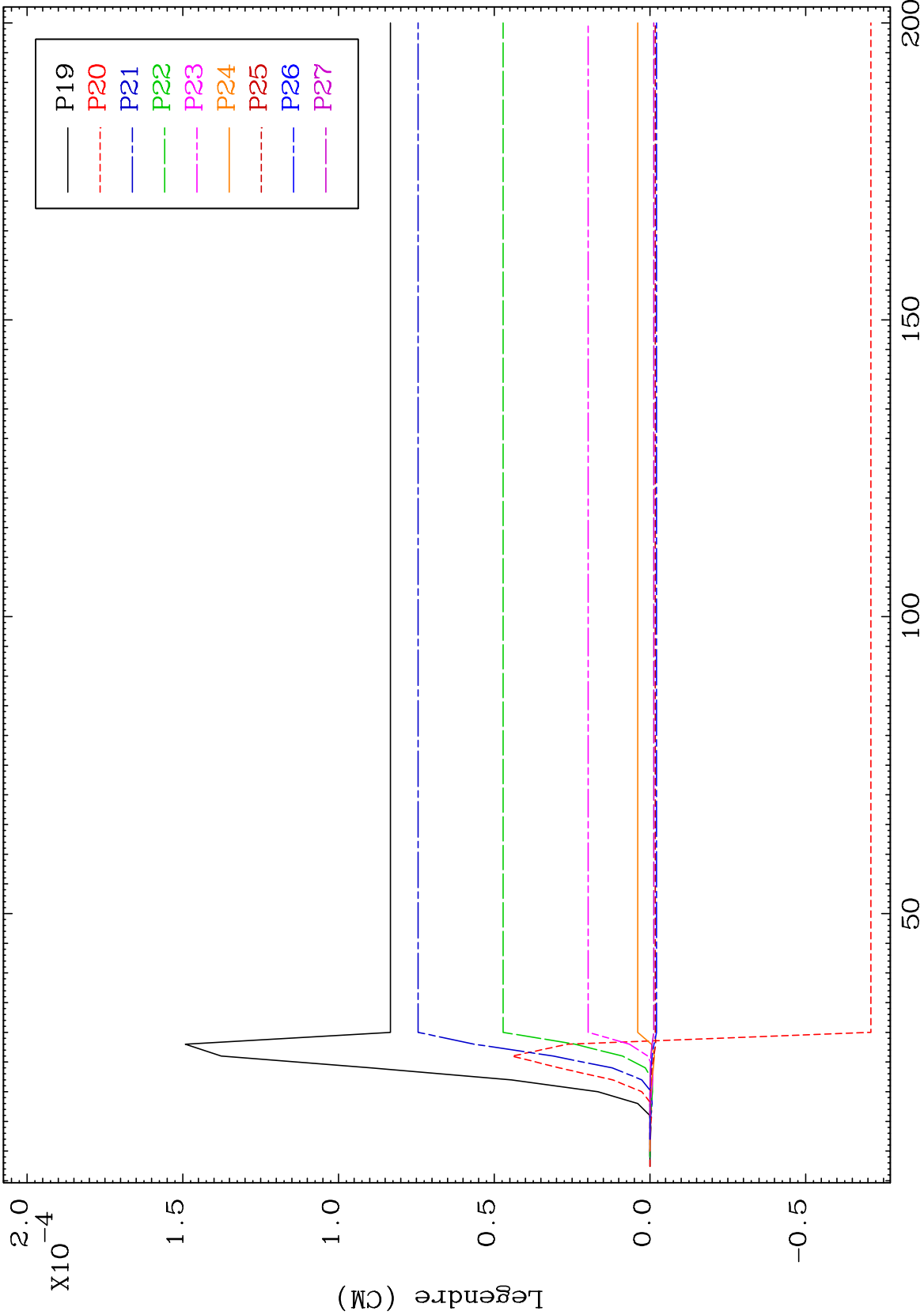
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180

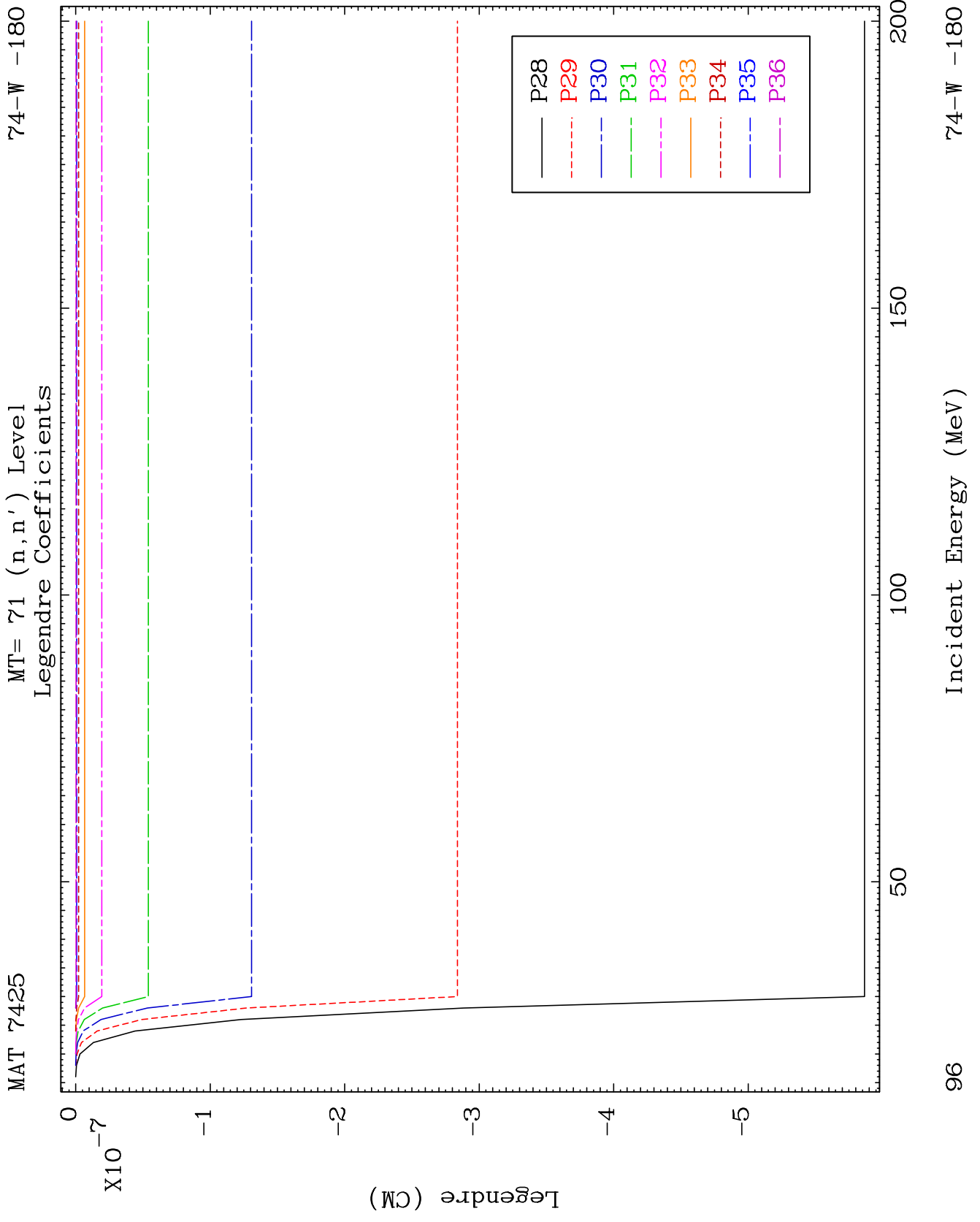


95

Incident Energy (MeV)

74-W -180

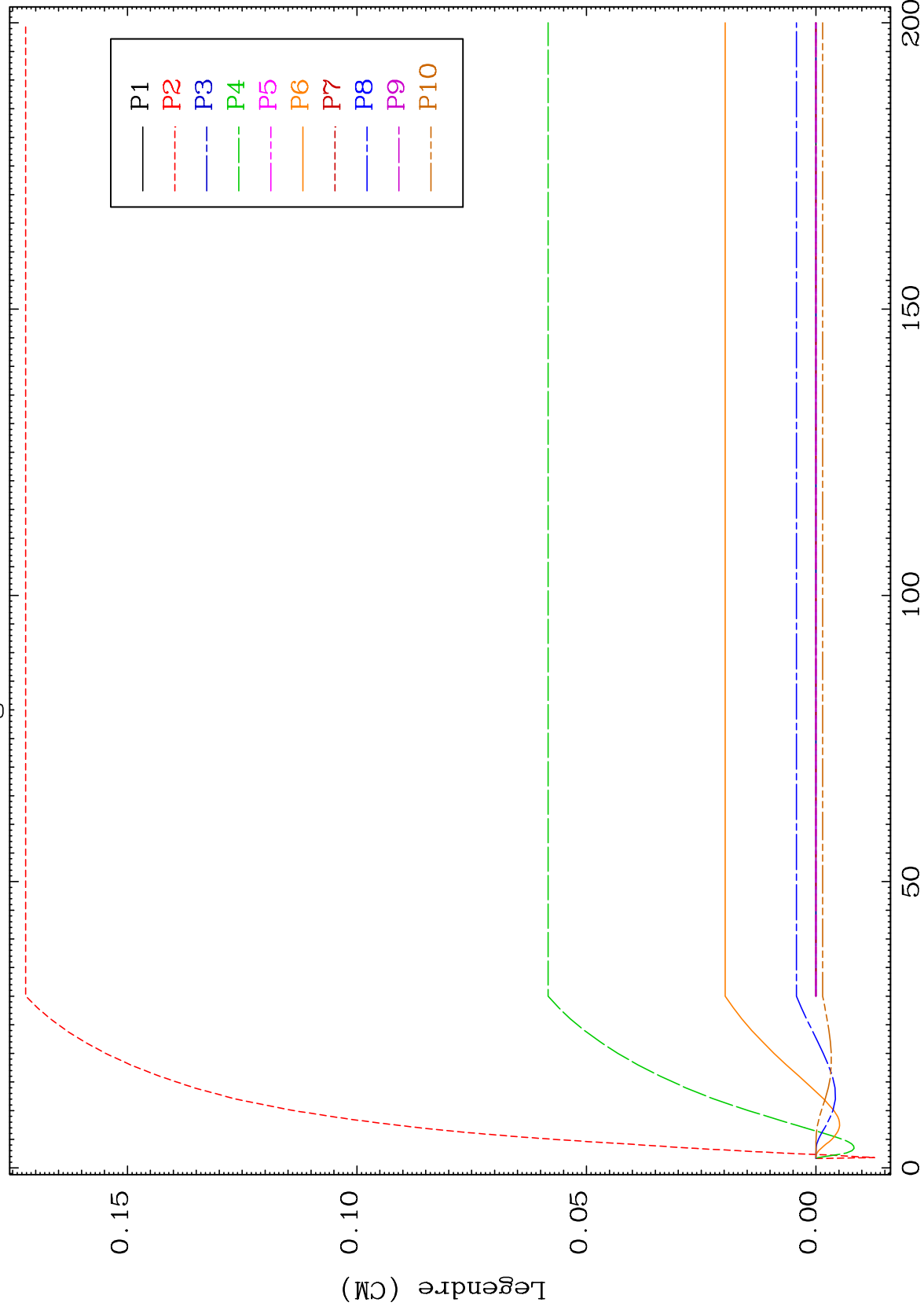




MAT 7425

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

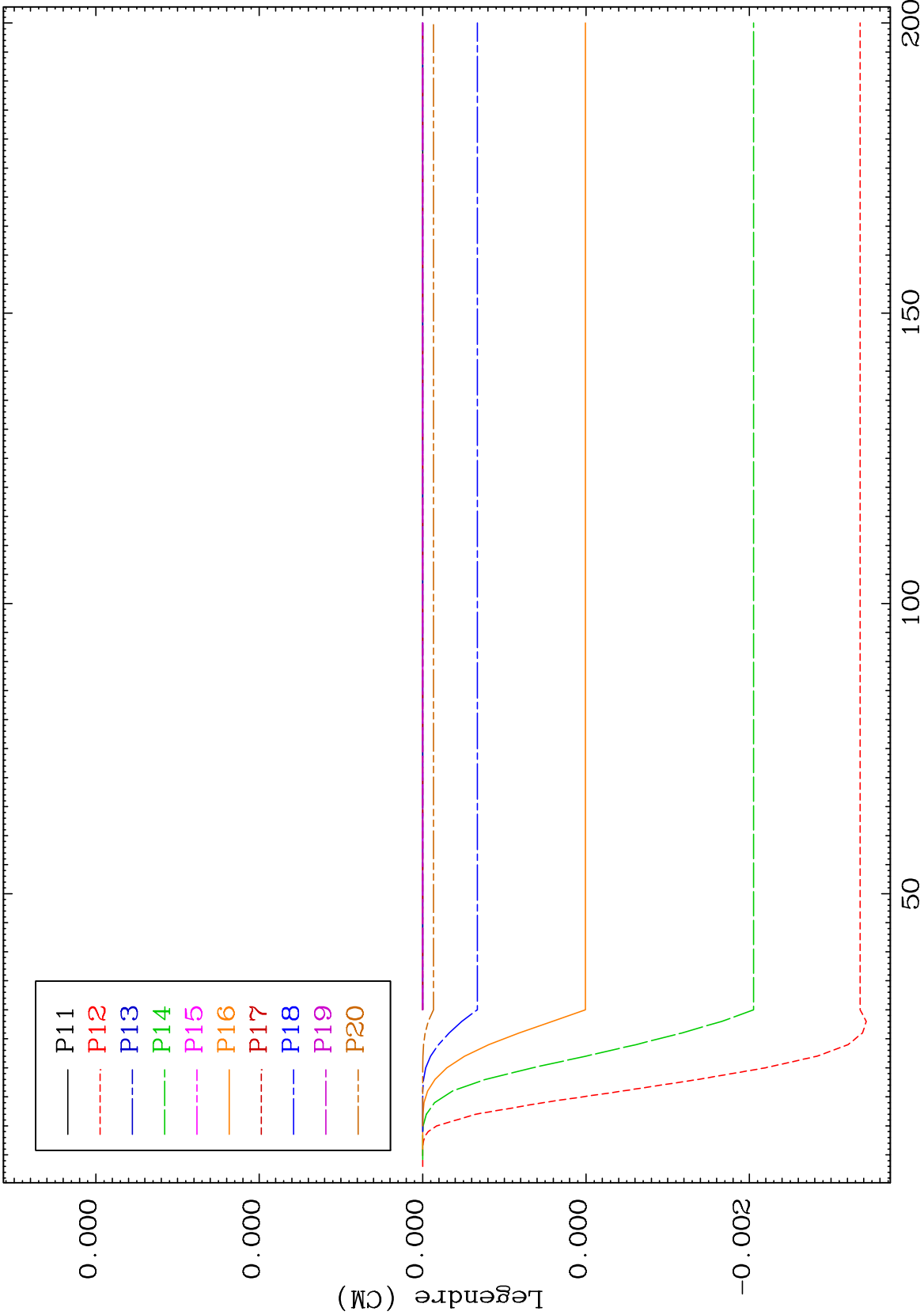
74-W -180



97

Incident Energy (MeV)

74-W -180



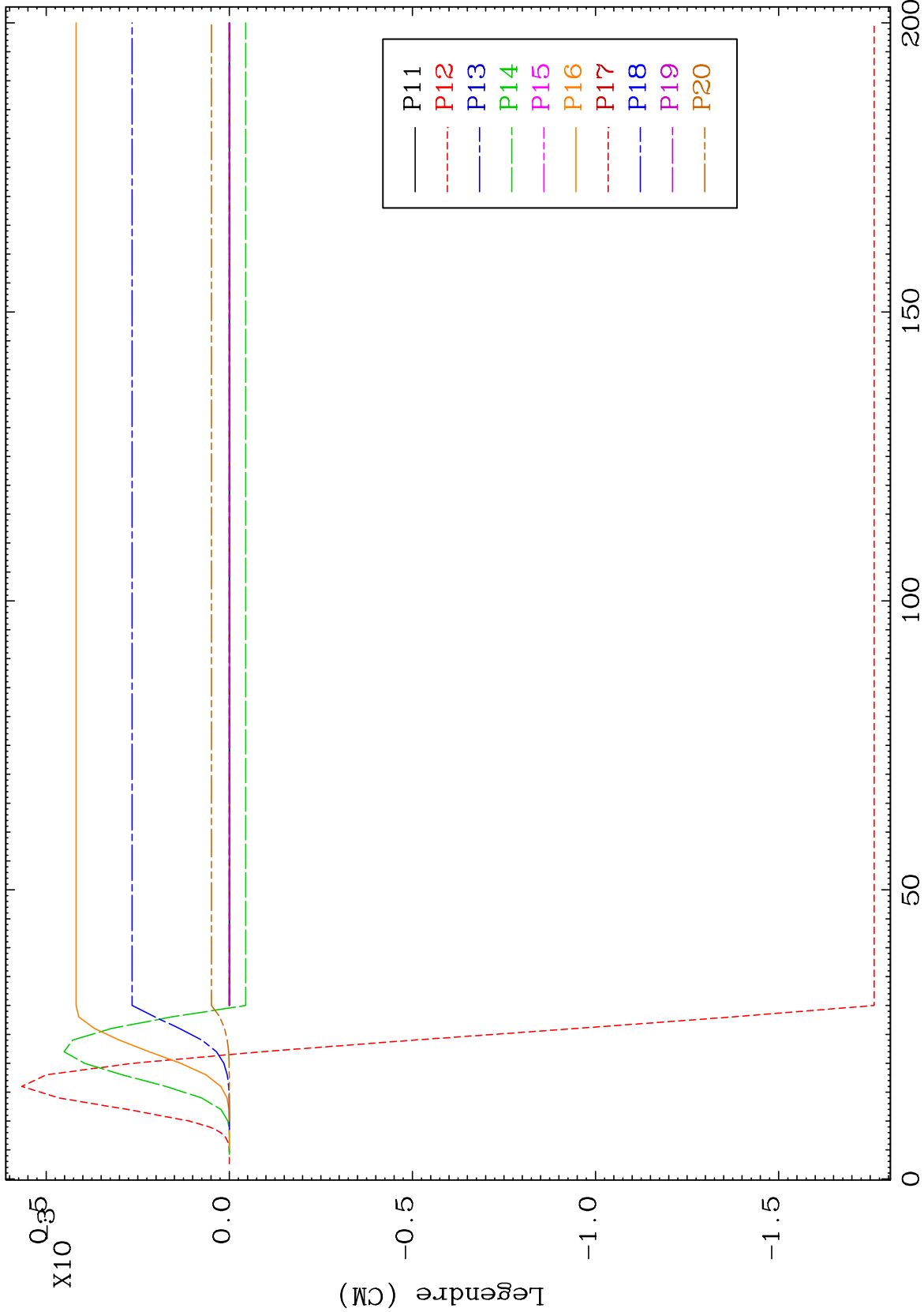




MAT 7425

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

74-W -180



101

Incident Energy (MeV)

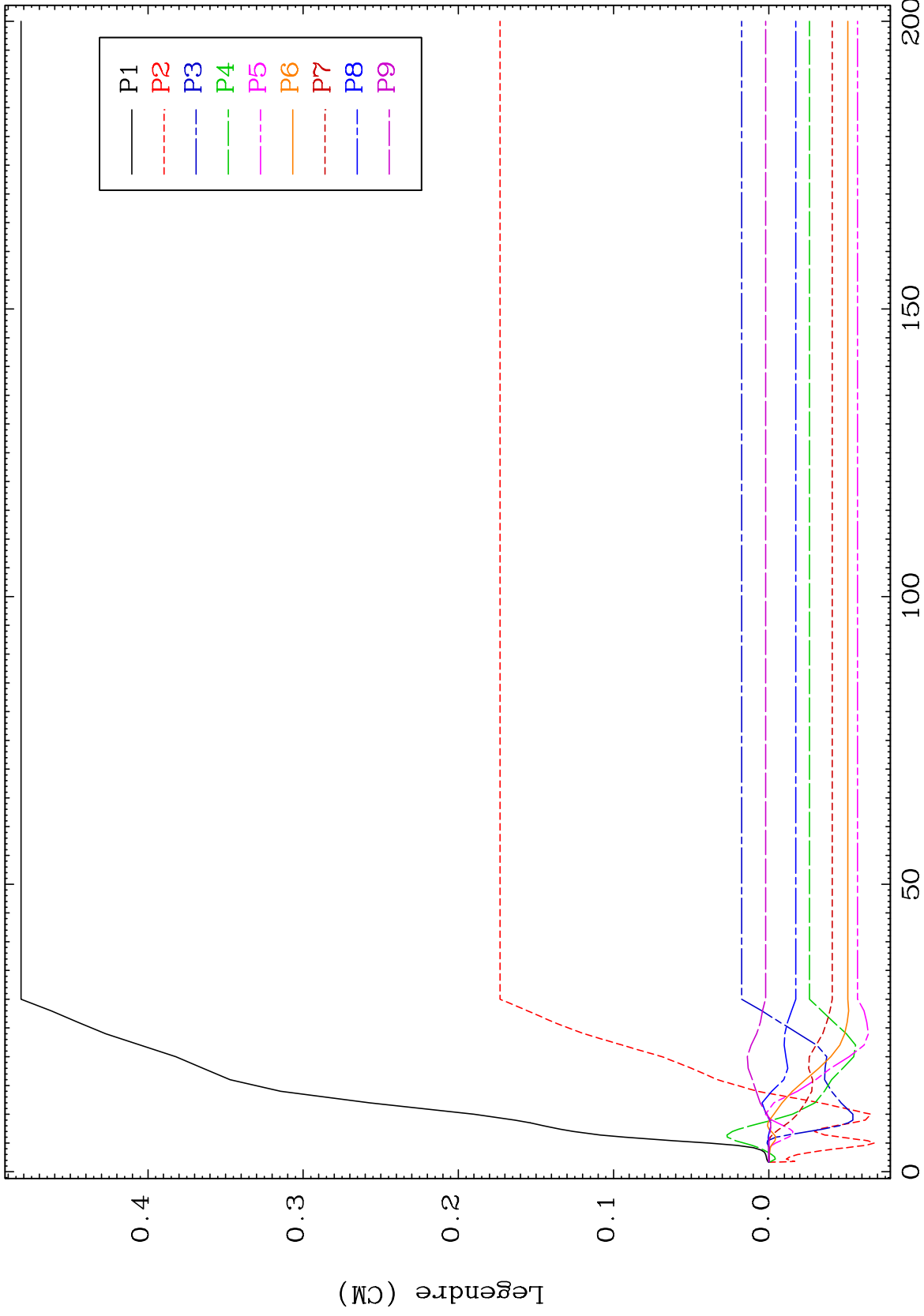
74-W -180



MAT 7425

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

74-W -180

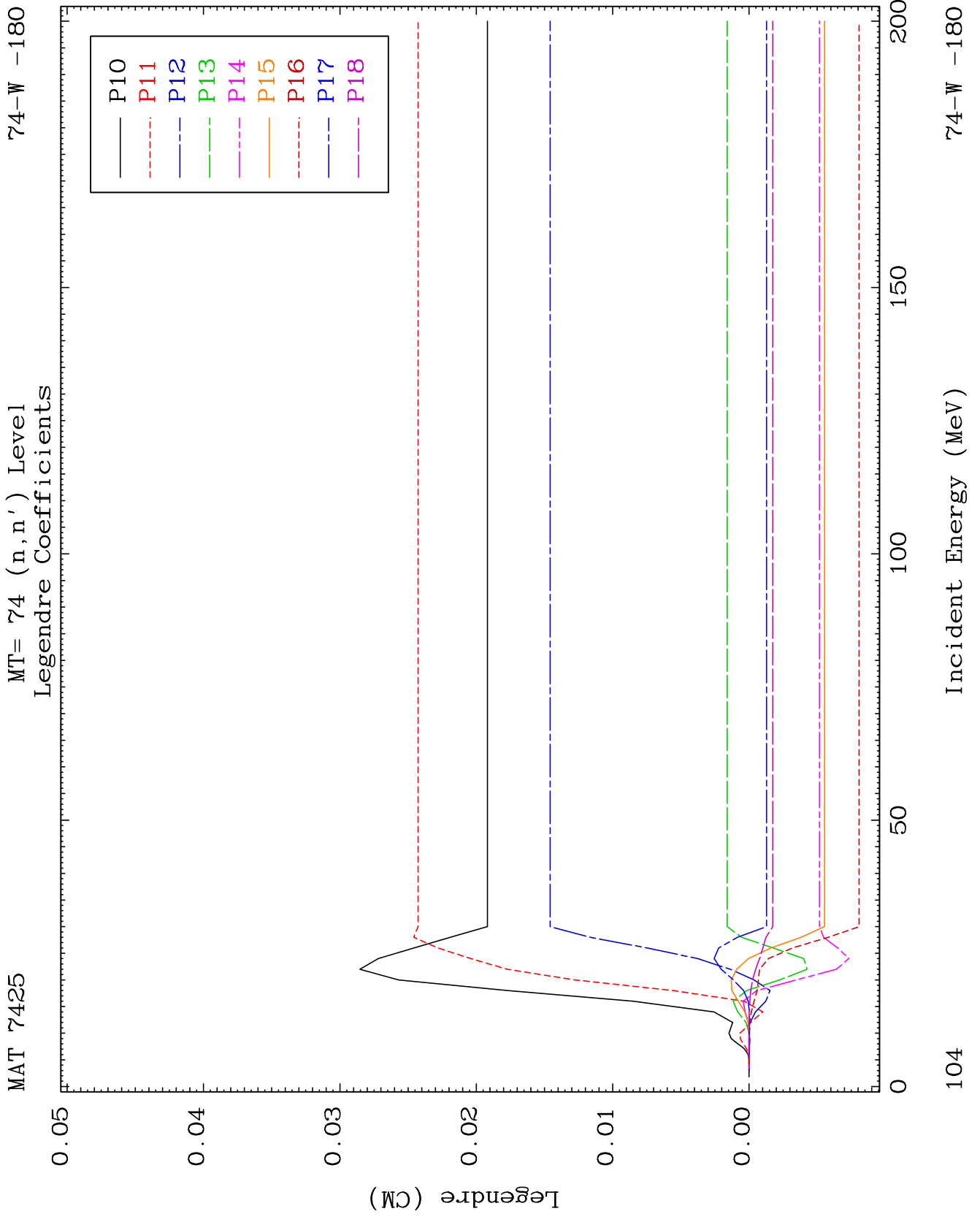


103

Incident Energy (MeV)

74-W -180

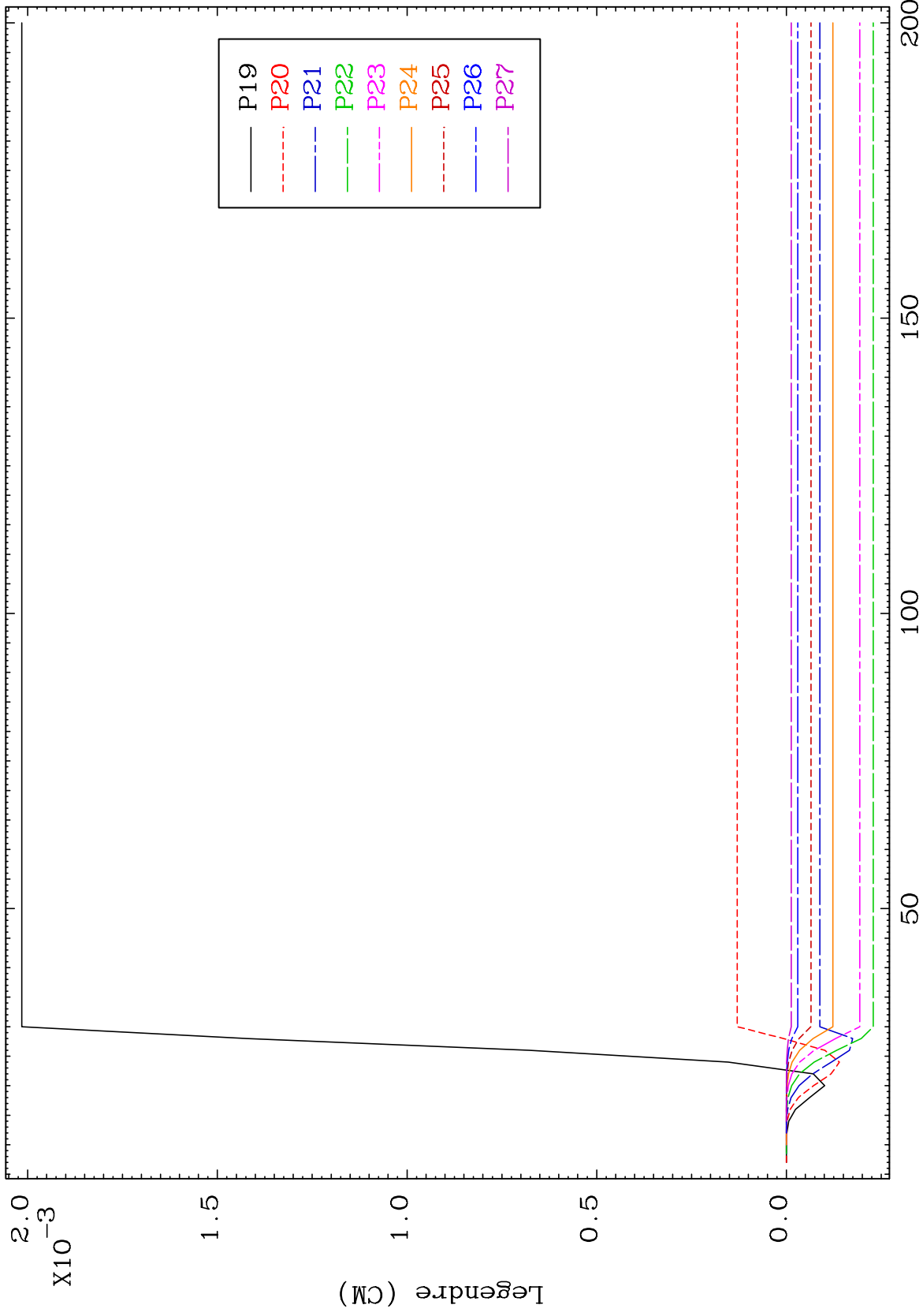




MAT 7425

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

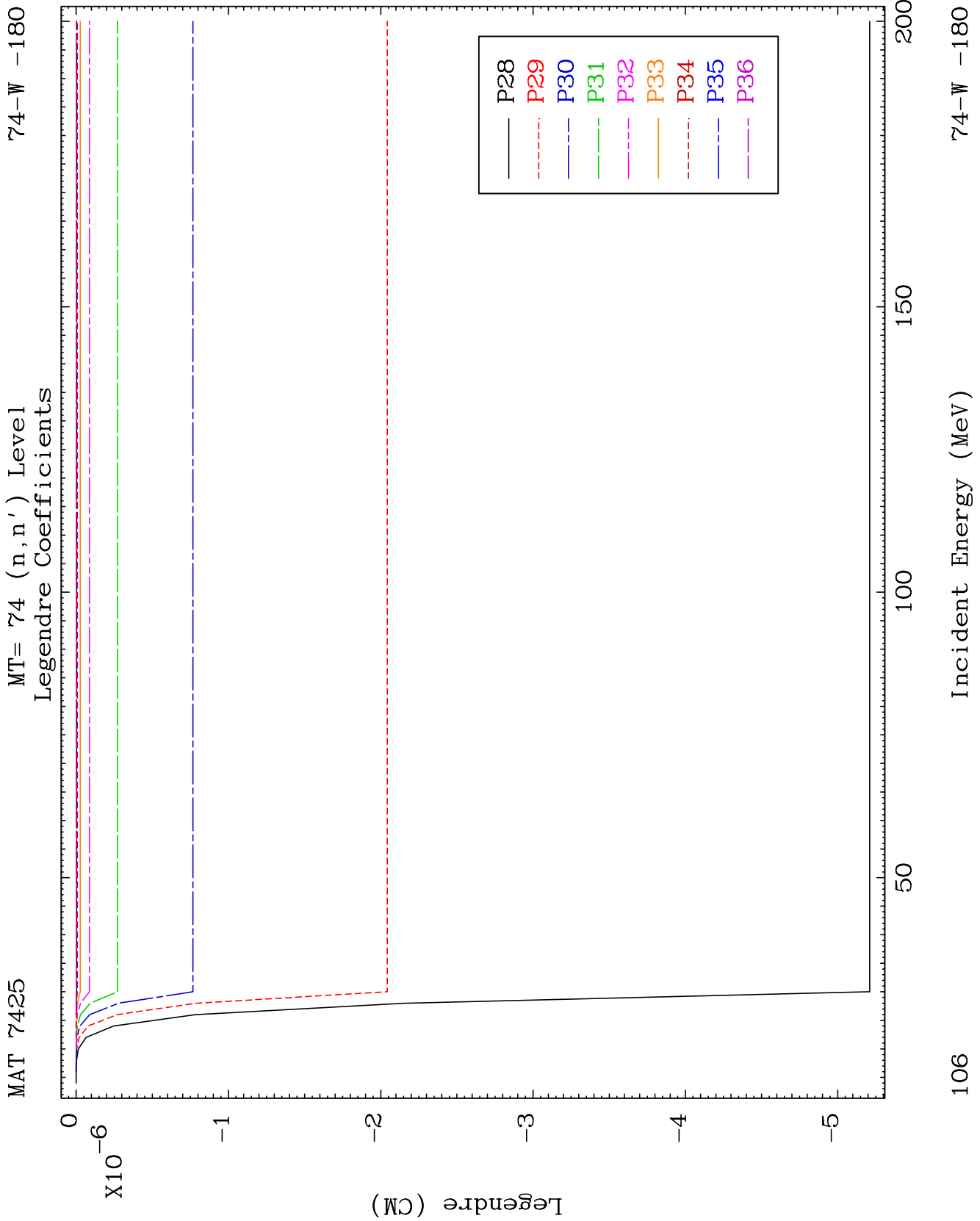
74-W -180



105

Incident Energy (MeV)

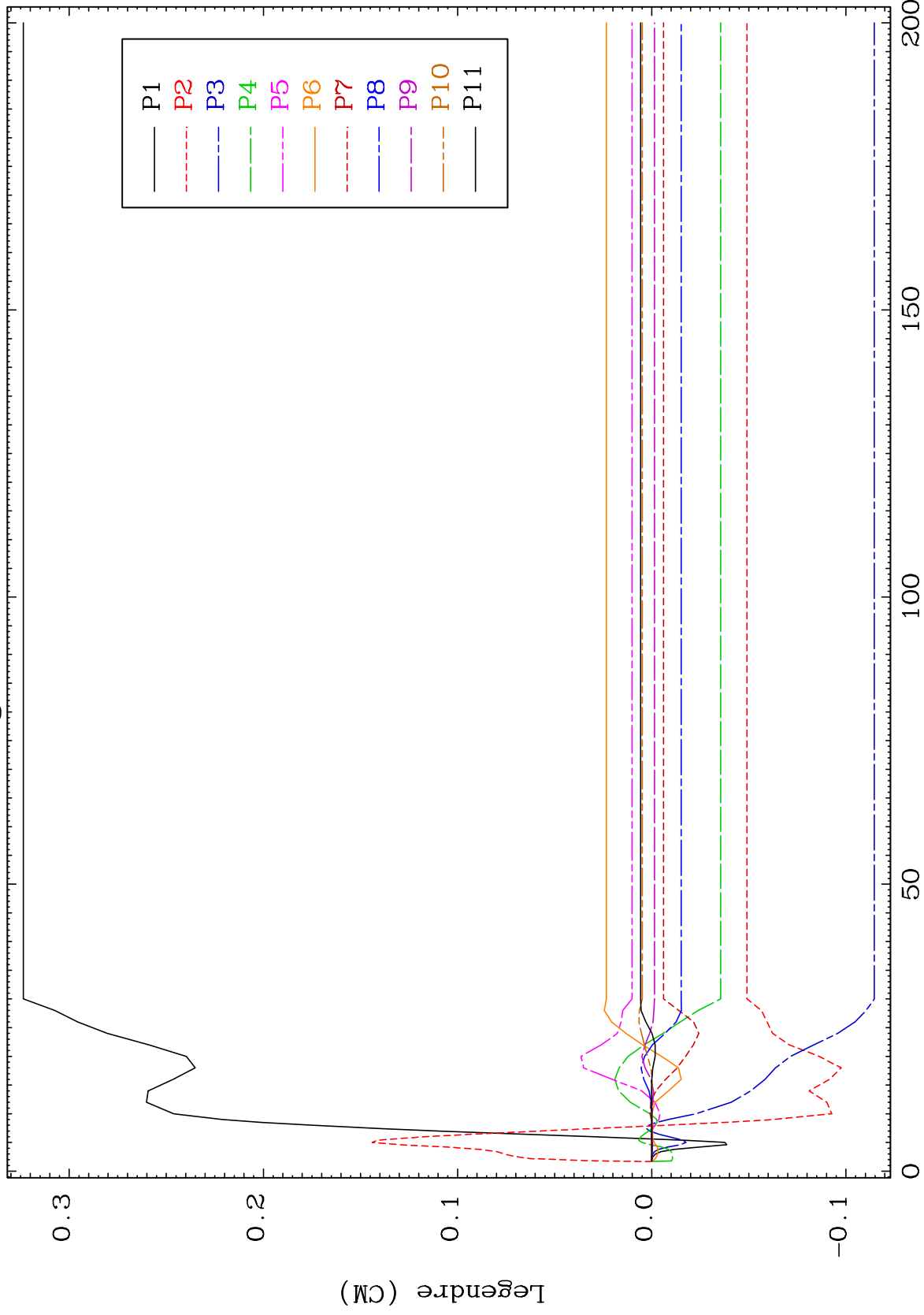
74-W -180



MAT 7425

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

74-W -180



107

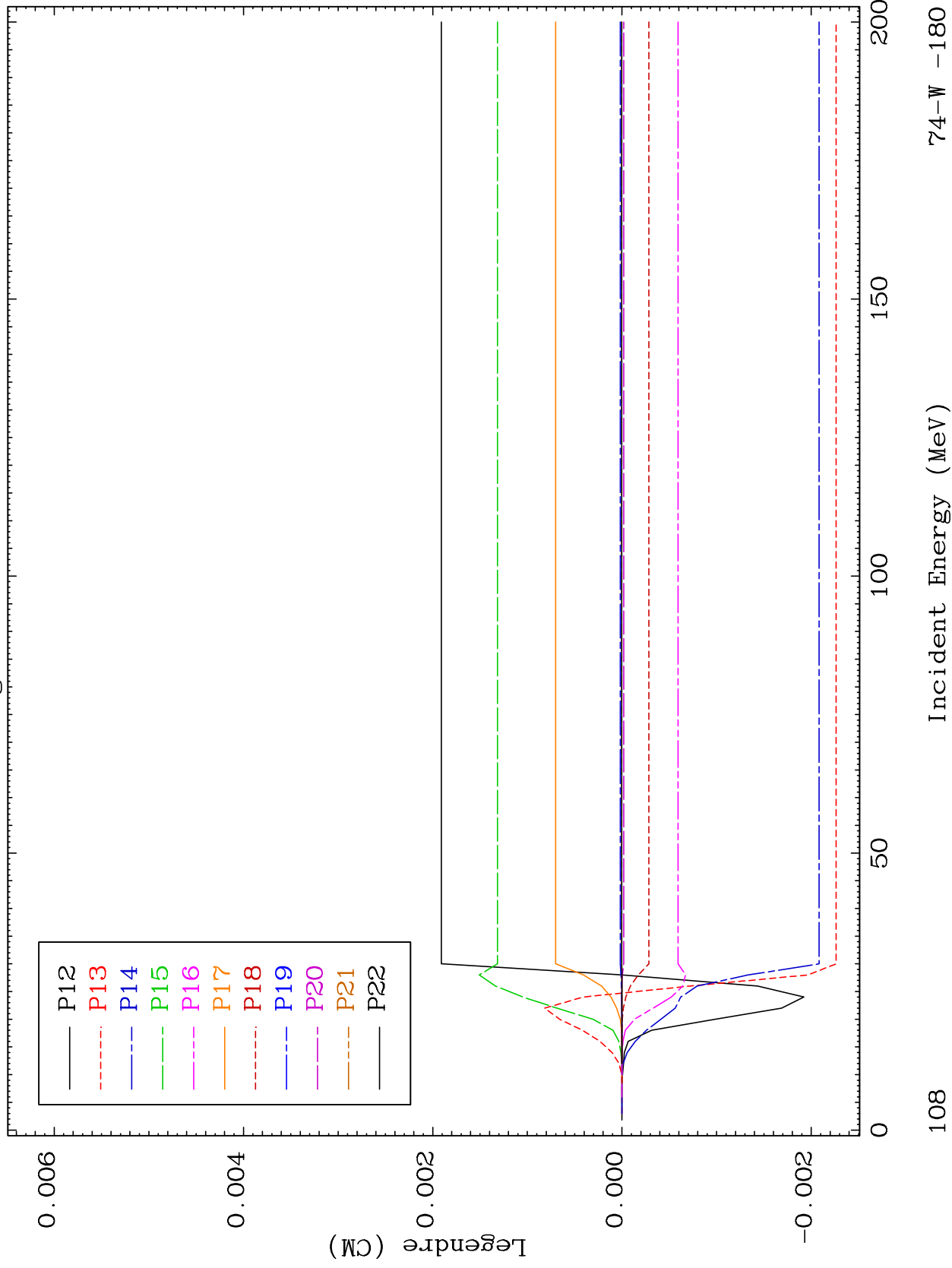
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180



108

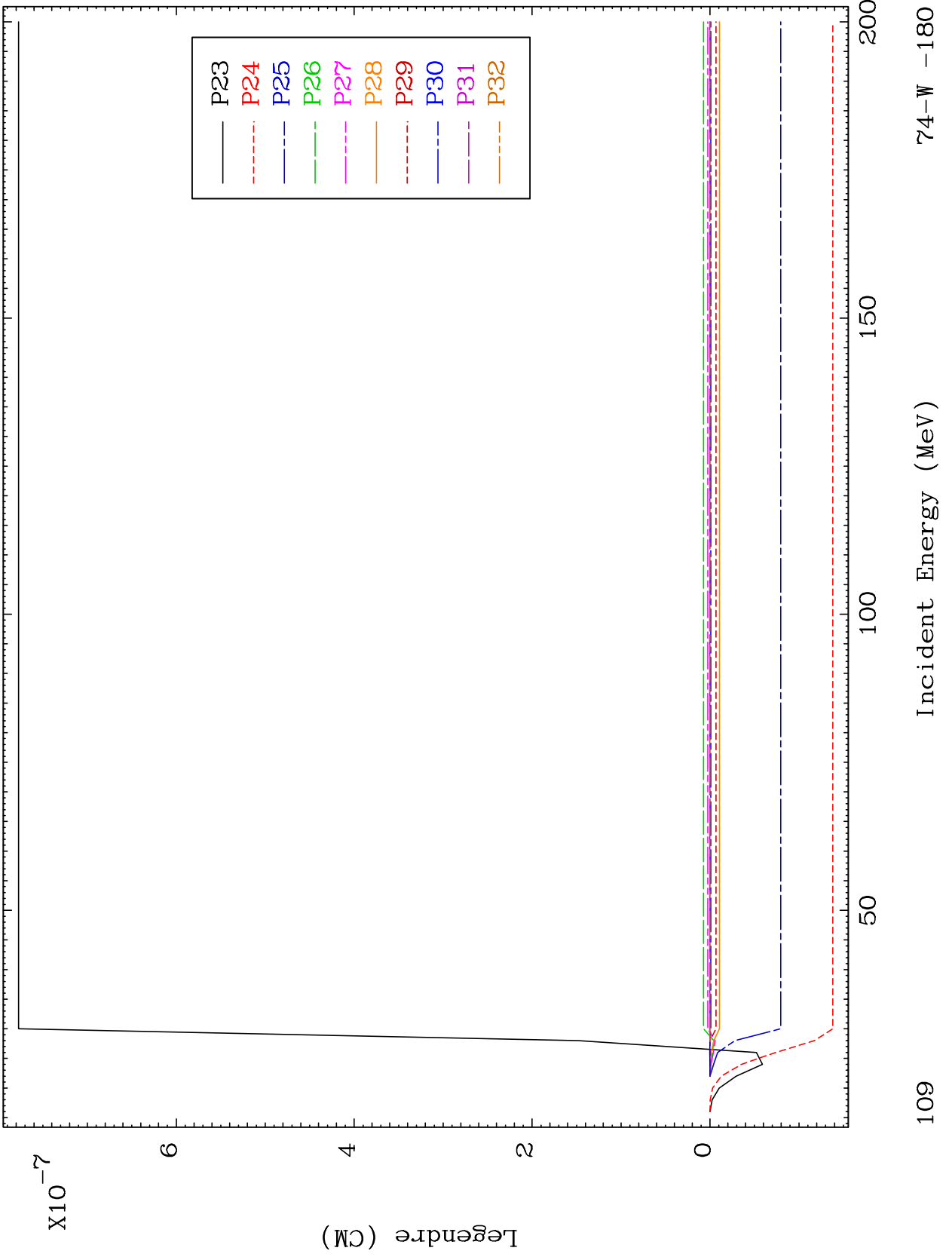
Incident Energy (MeV)

74-W -180

MAT 7425

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

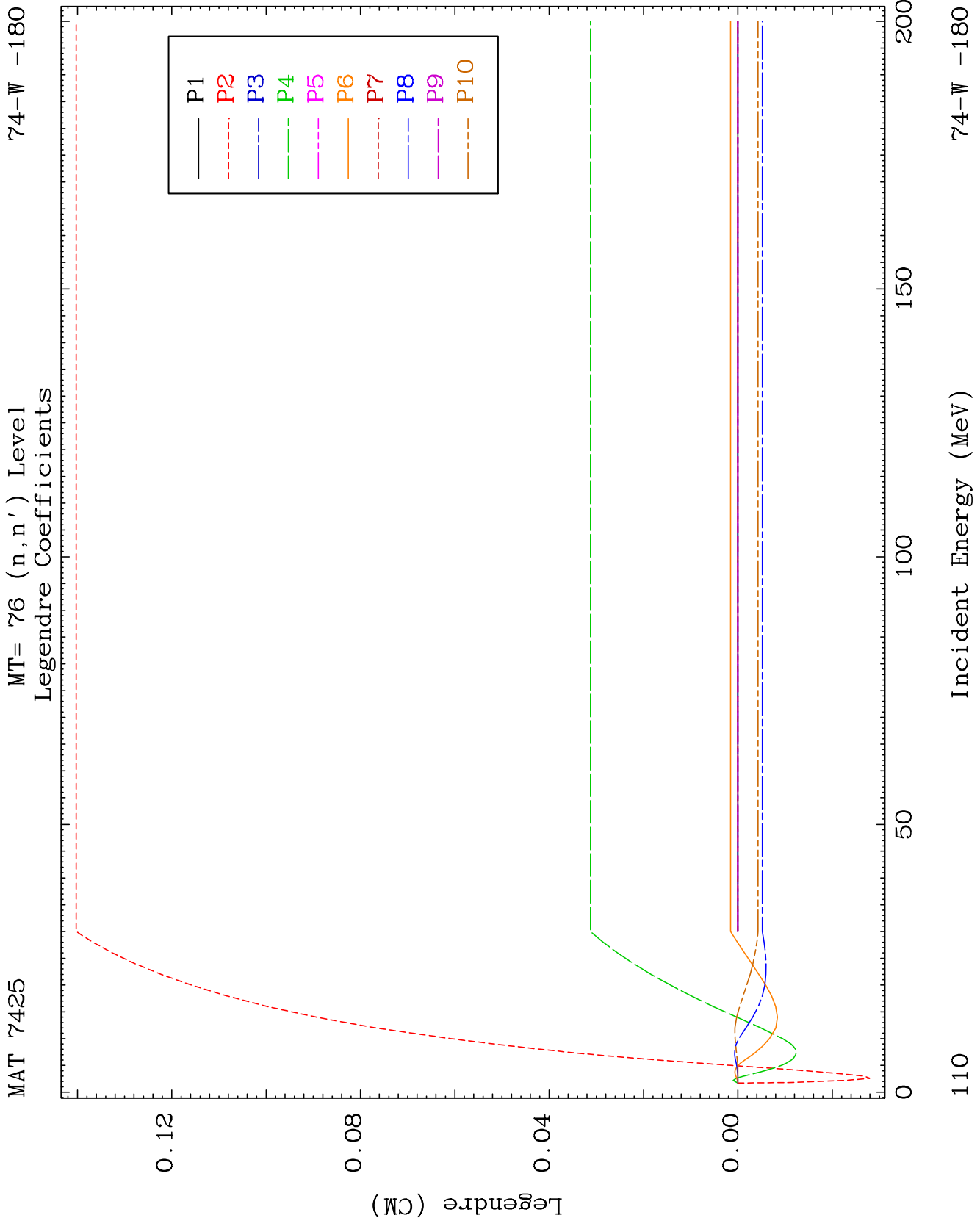
74-W -180

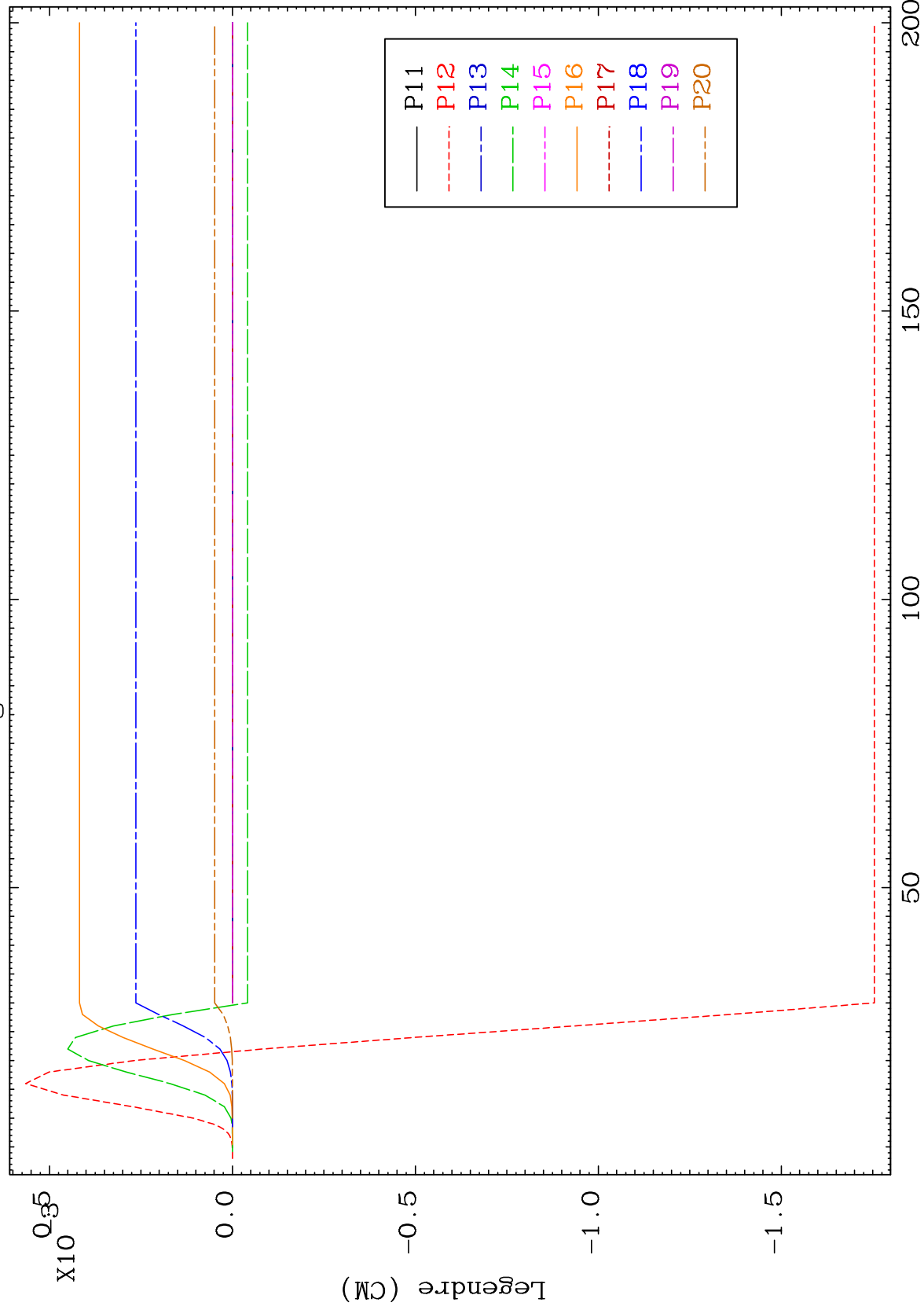


109

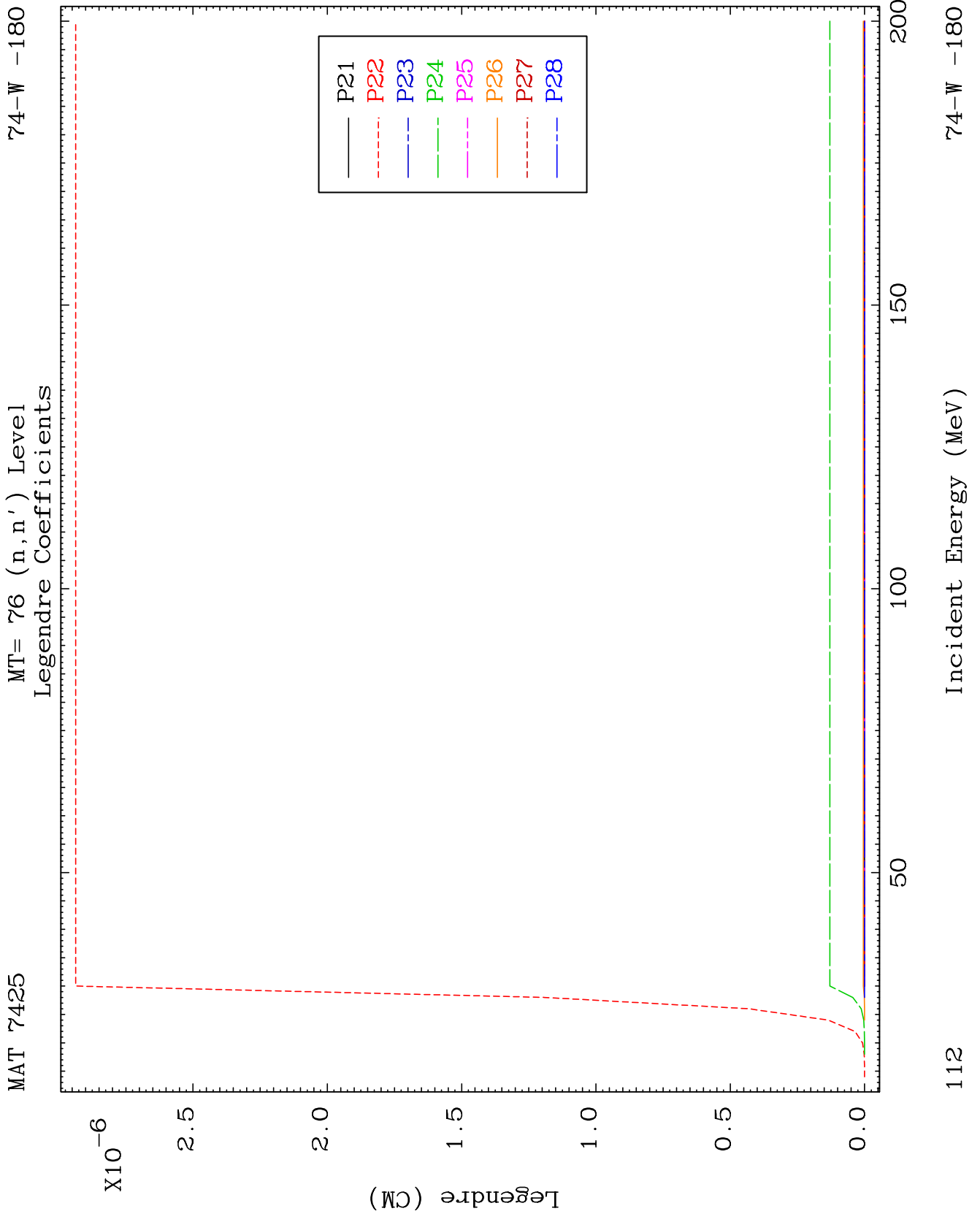
Incident Energy (MeV)

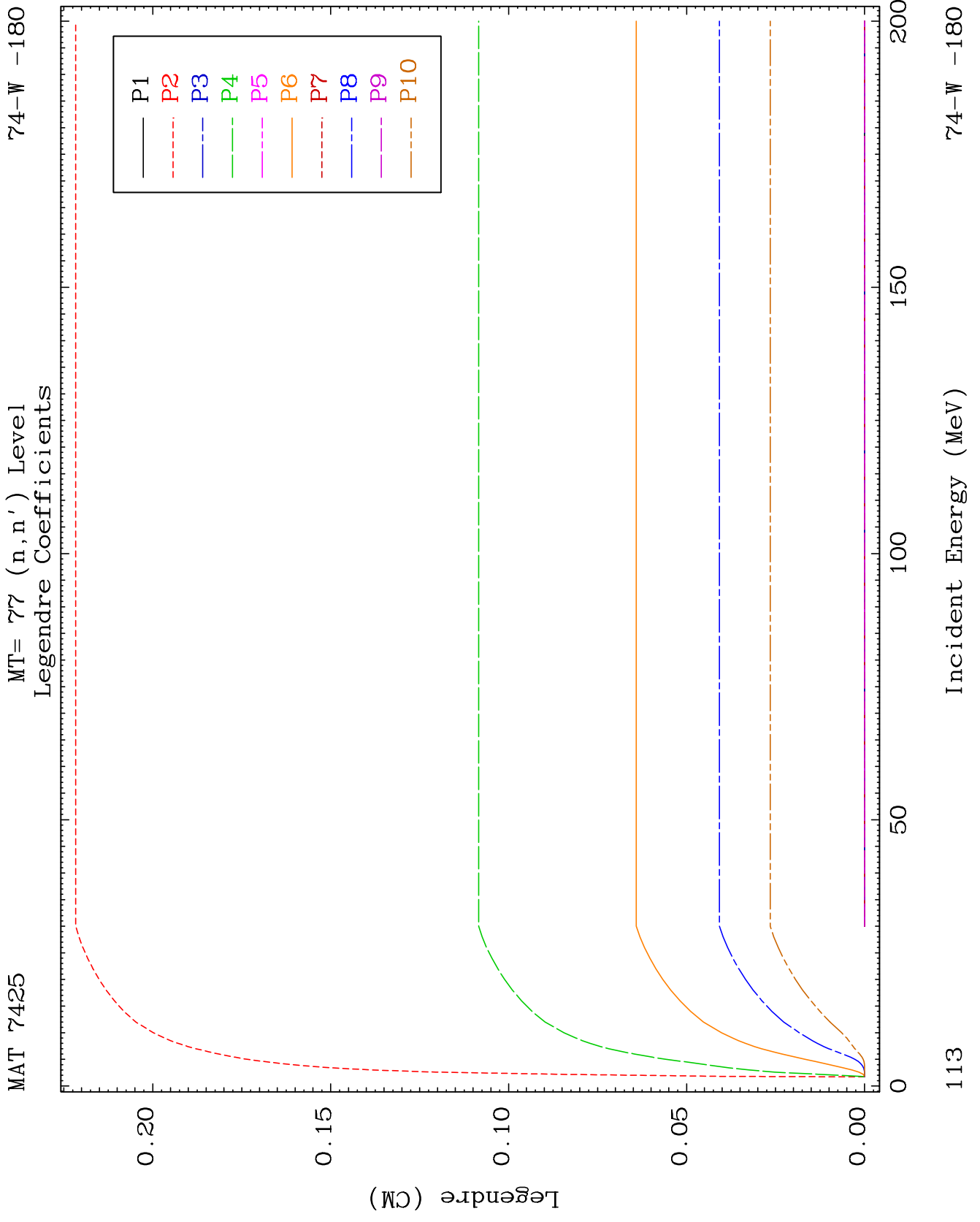
74-W -180







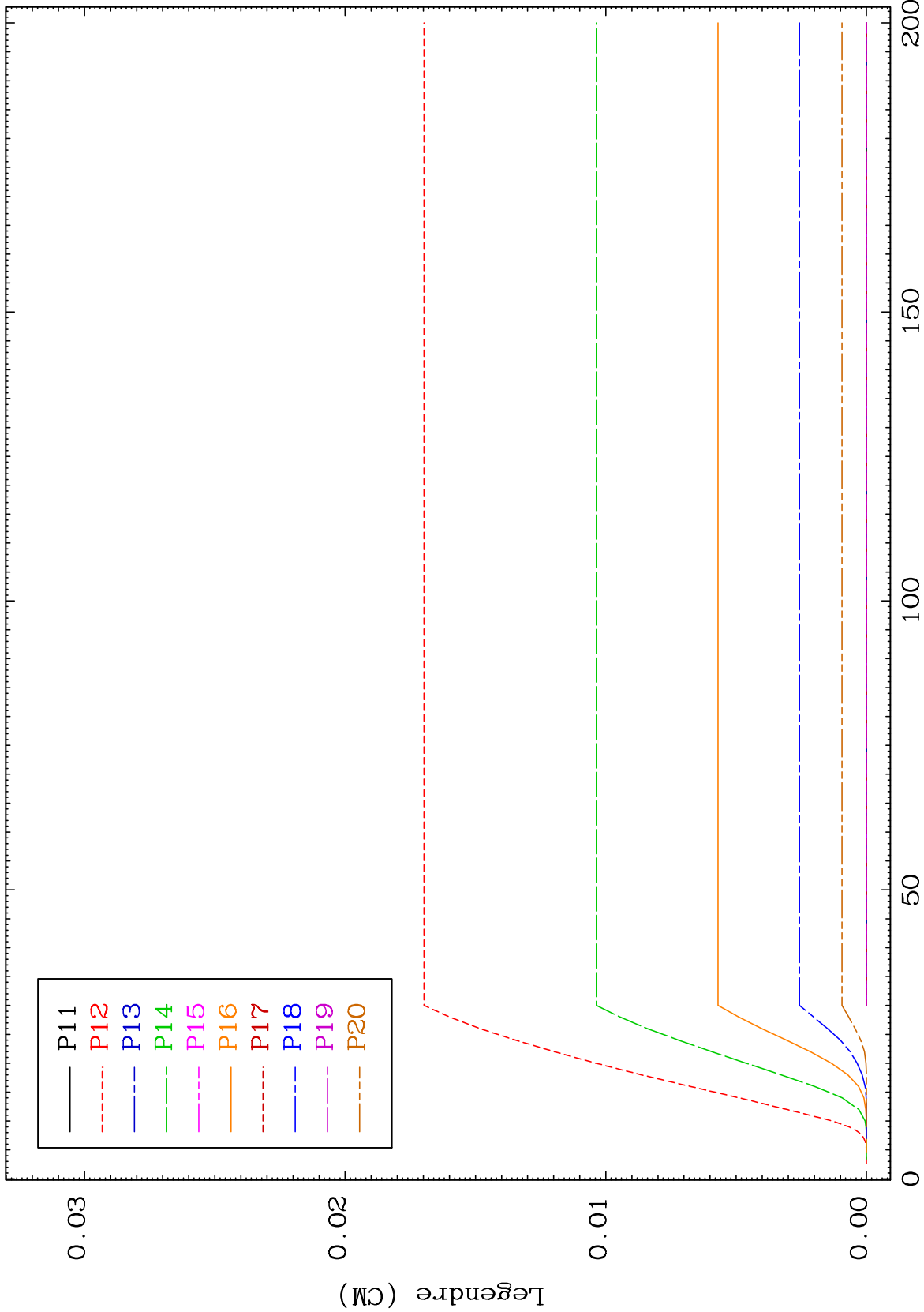




MAT 7425

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

74-W -180



114

Incident Energy (MeV)

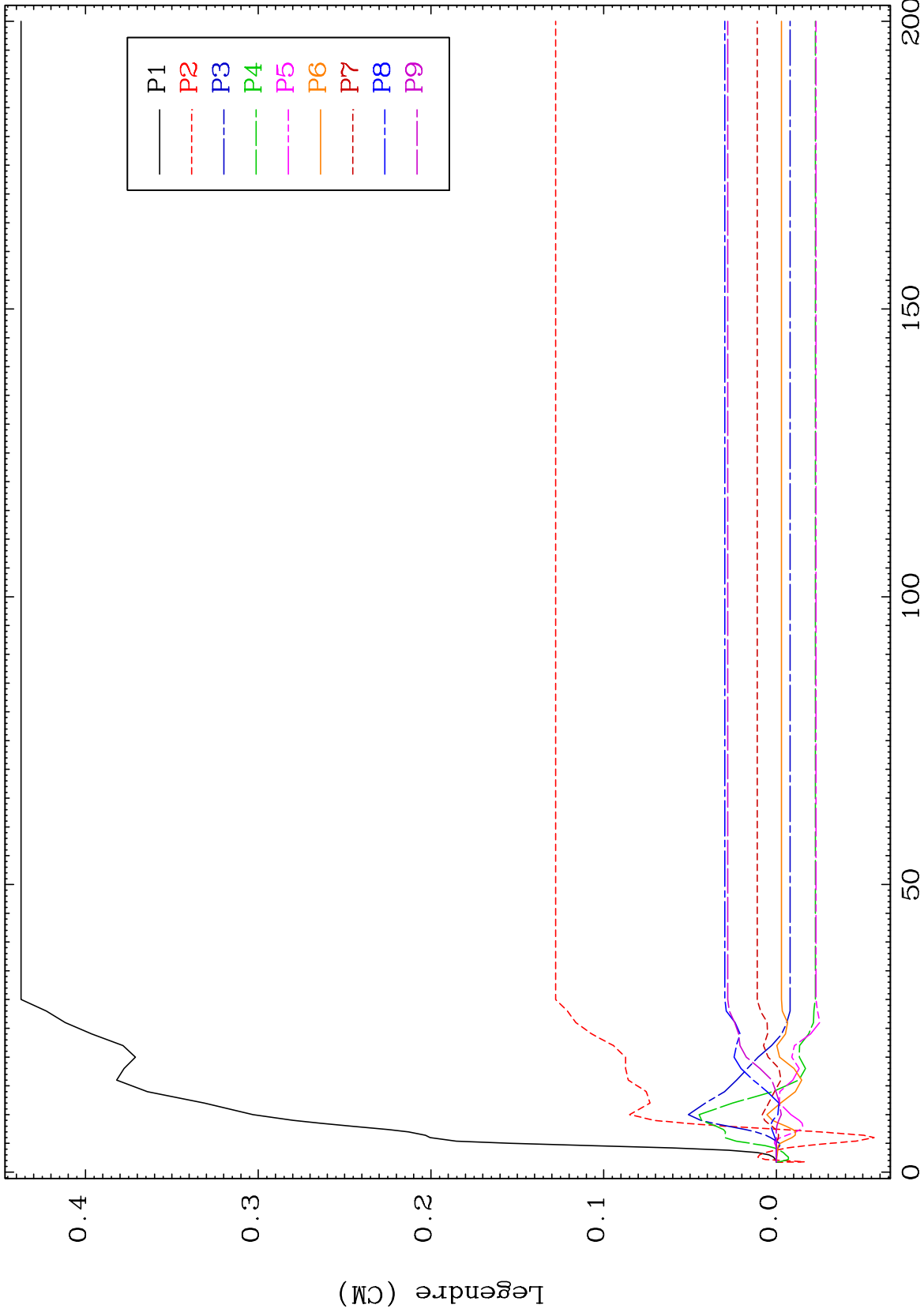
74-W -180



MAT 7425

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

74-W -180



116

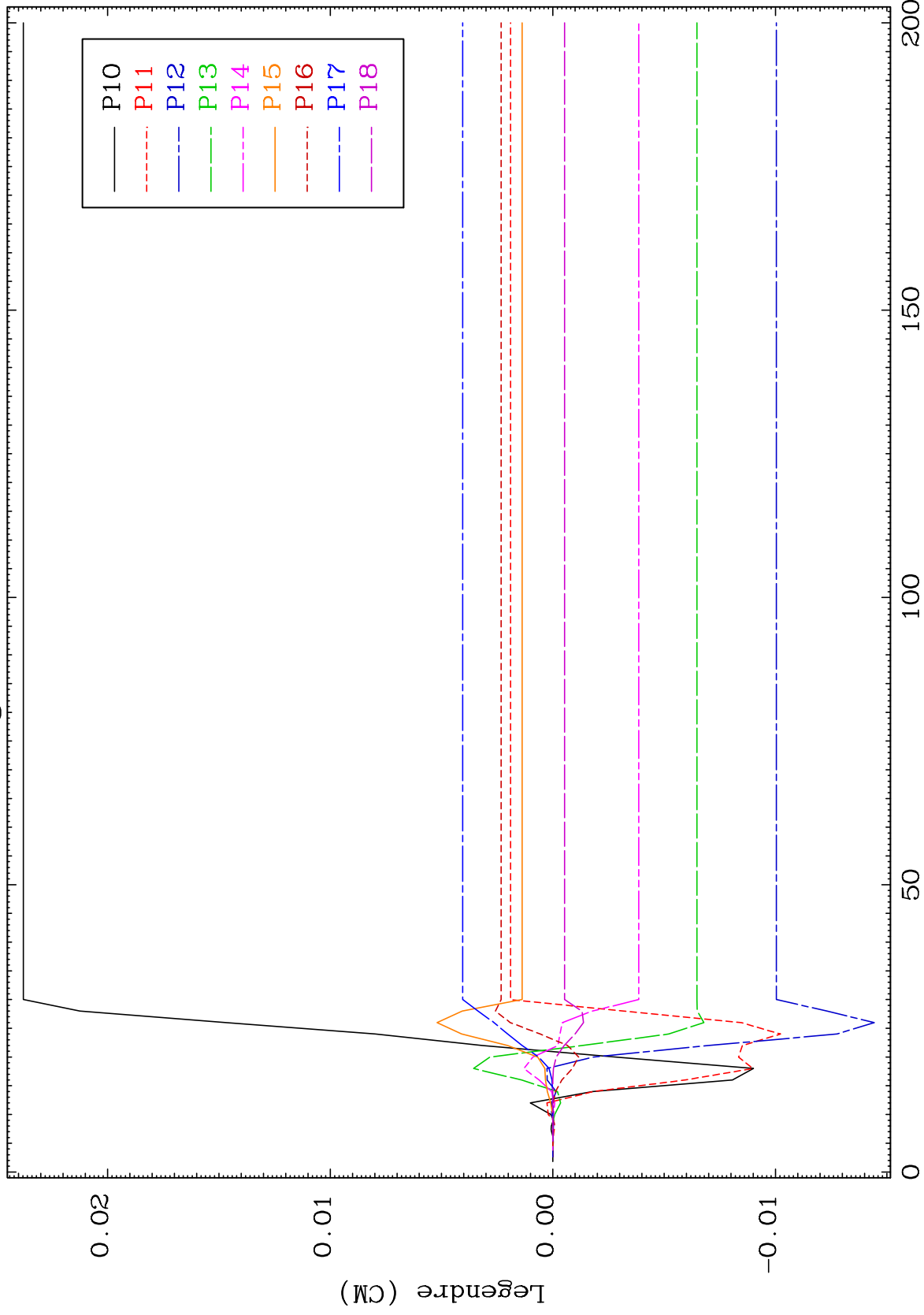
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180



117

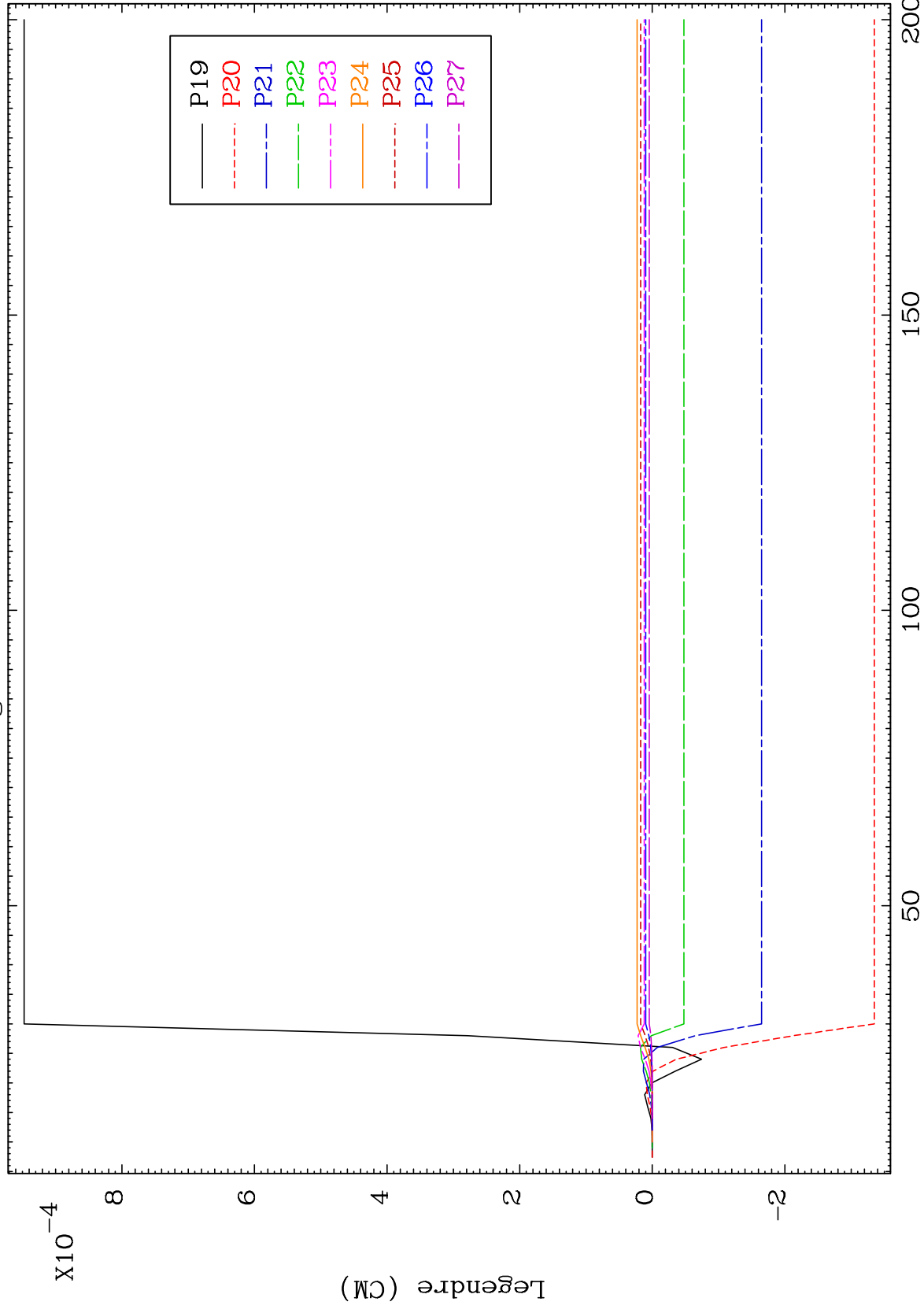
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180



118

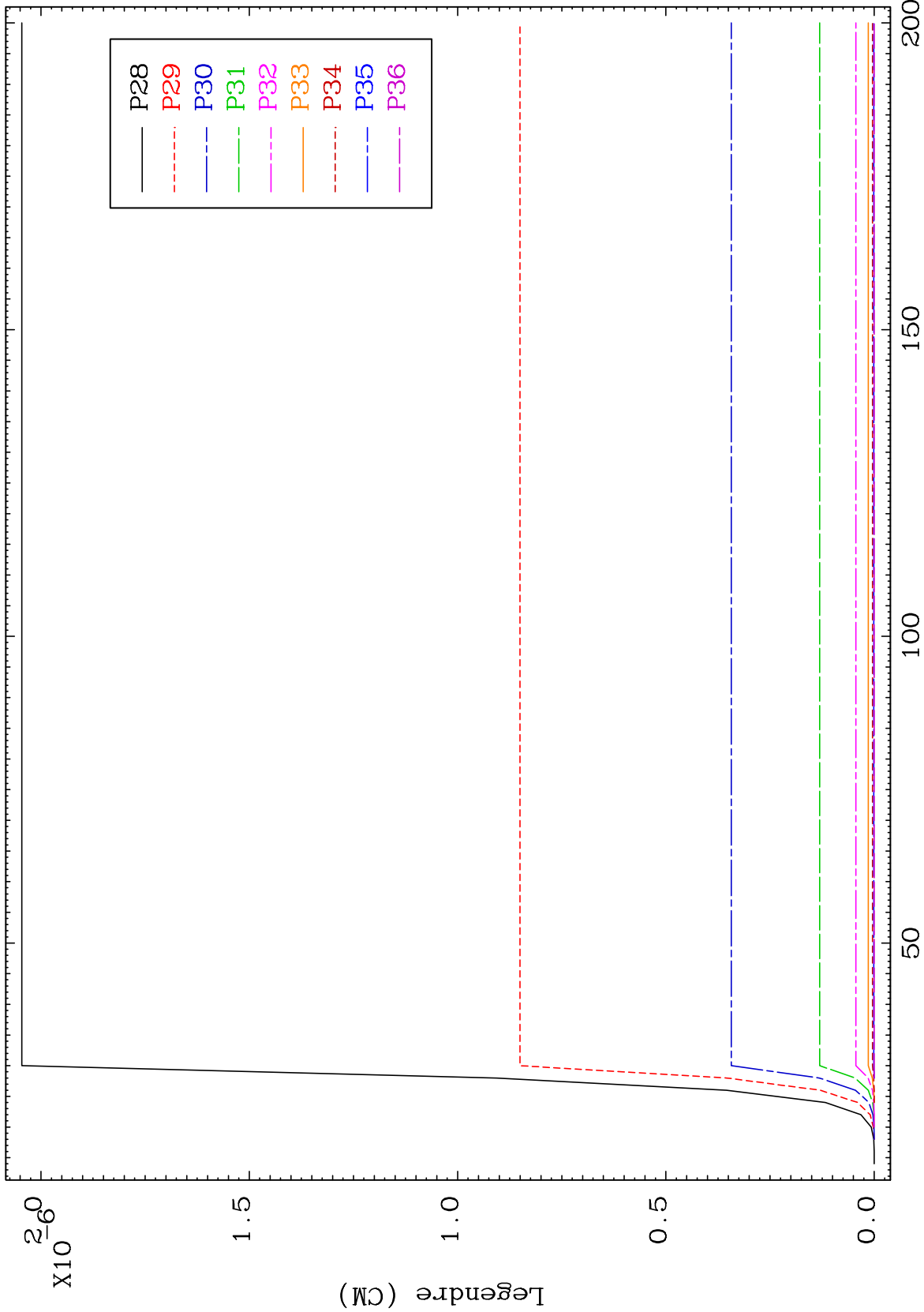
Incident Energy (MeV)

74-W -180

MAT 7425

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

74-W -180



119

Incident Energy (MeV)

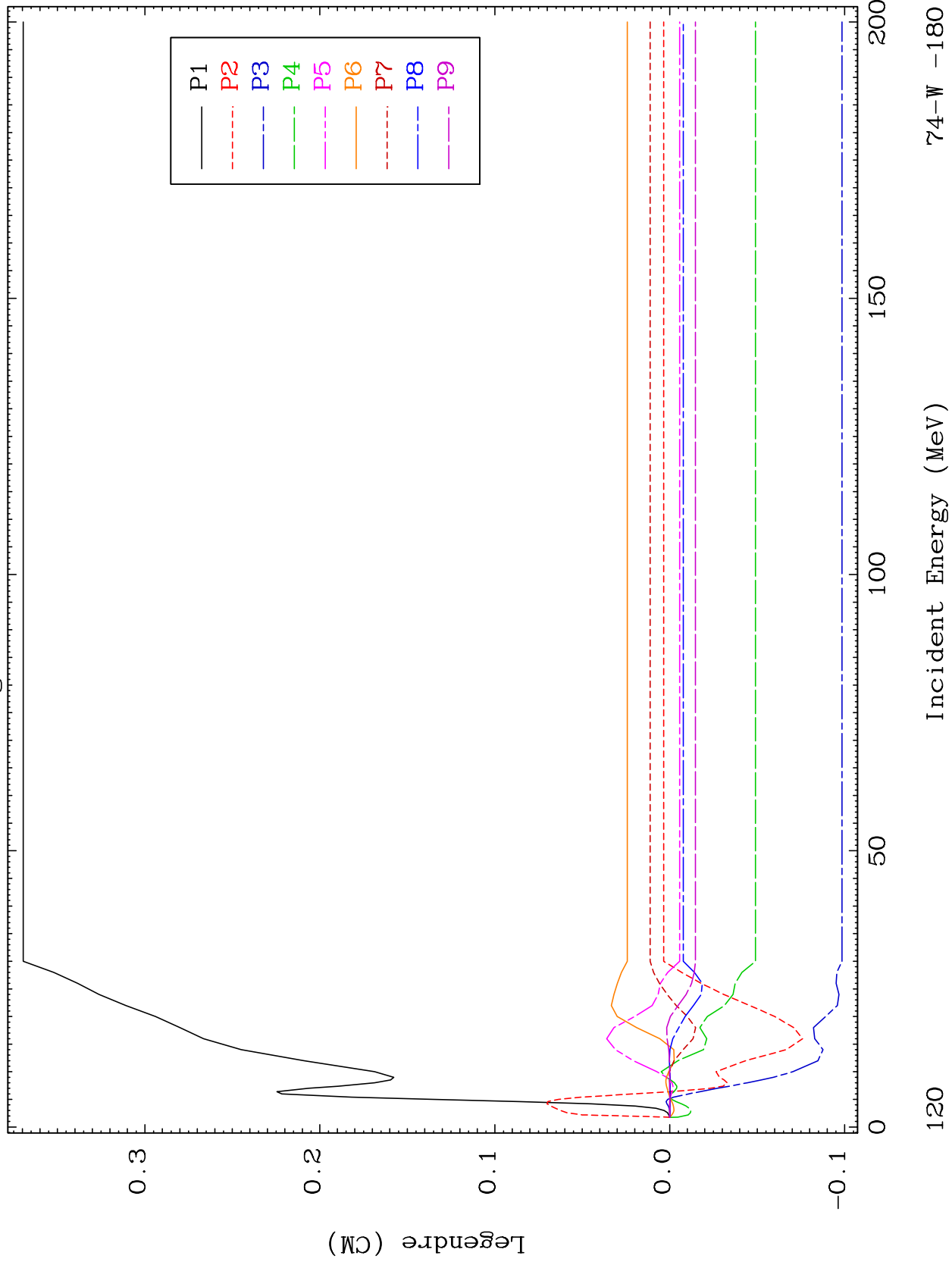
74-W -180



MAT 7425

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

74-W -180



74-W -180

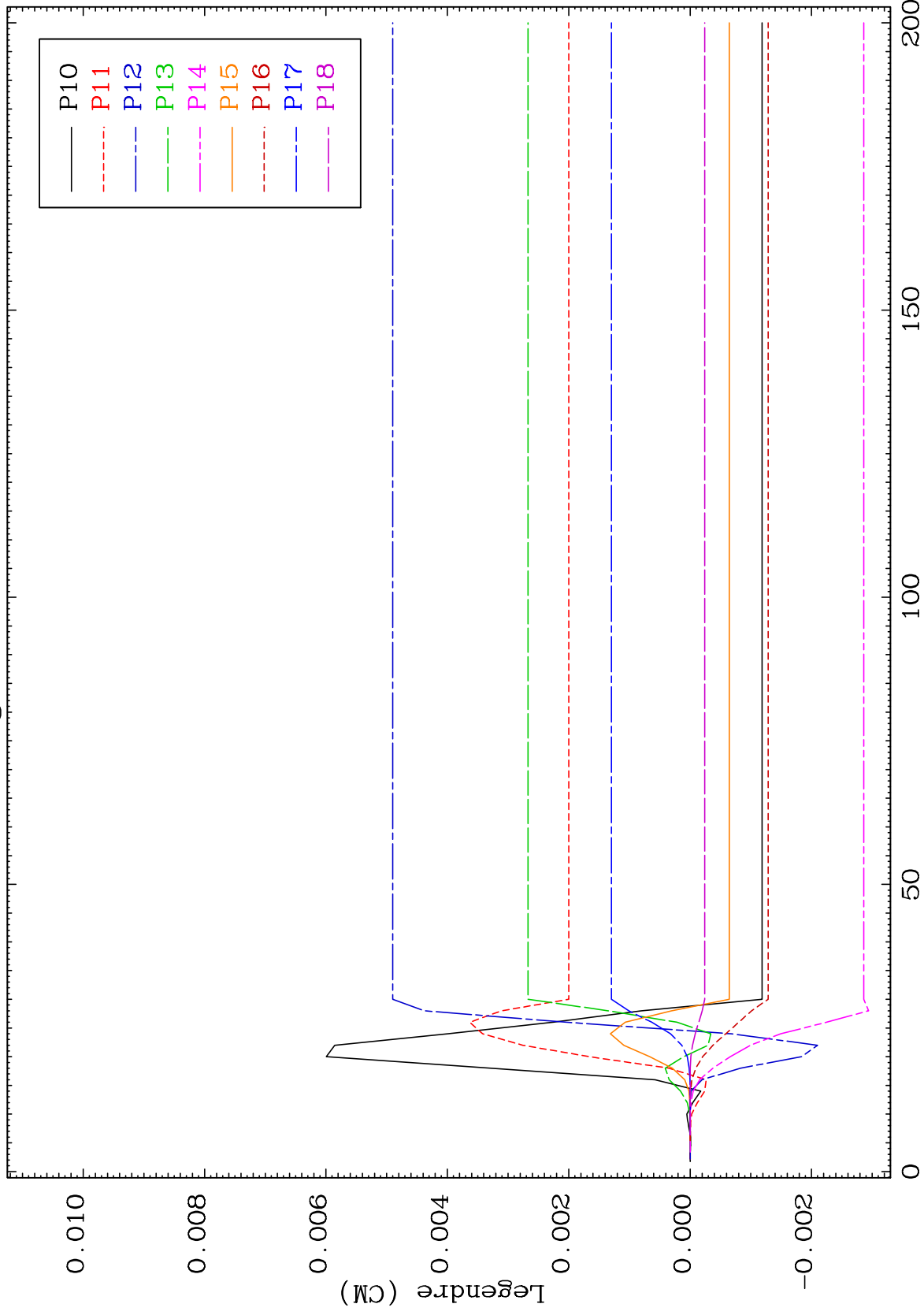
Incident Energy (MeV)

120

MAT 7425

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

74-W -180



121

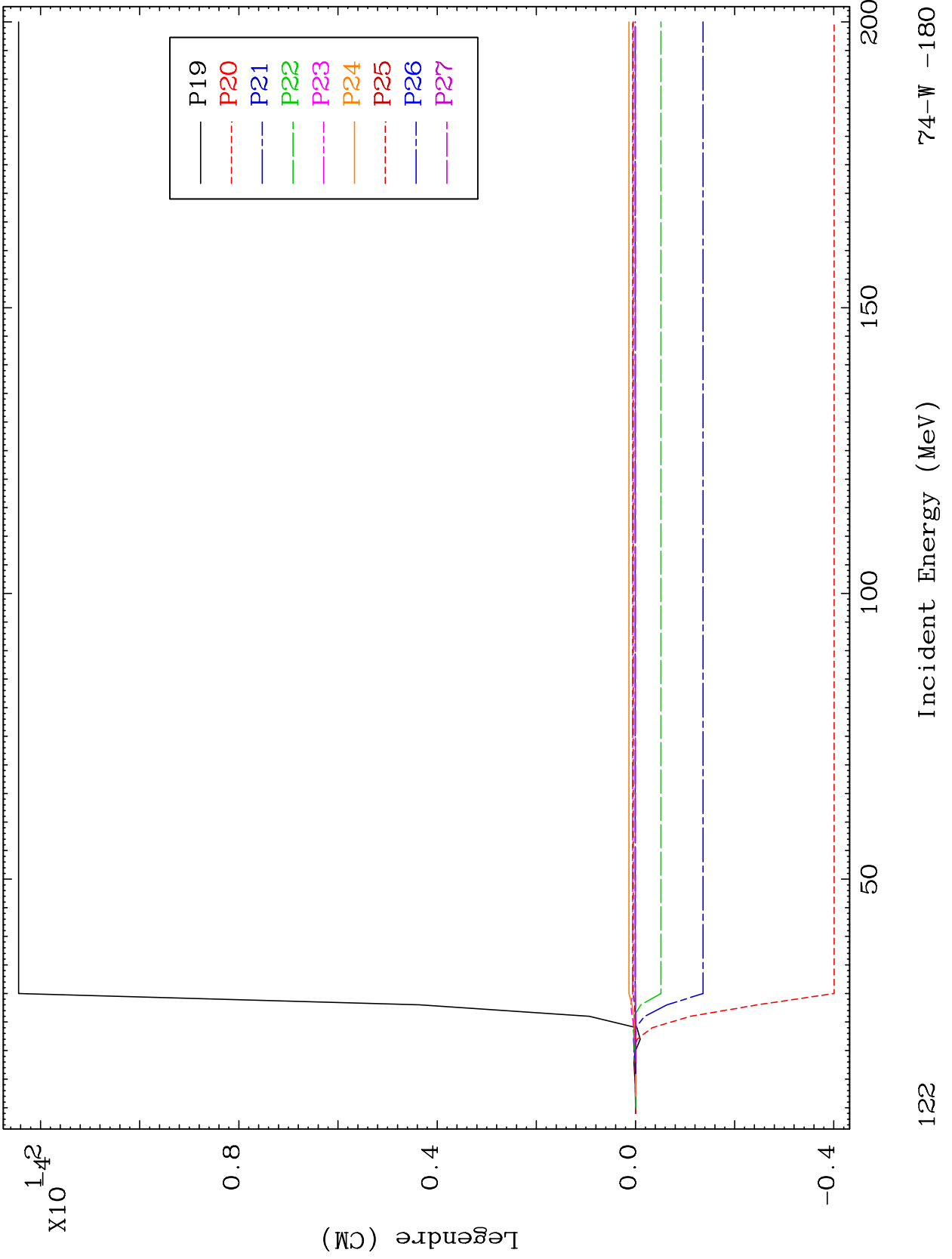
Incident Energy (MeV)

74-W -180

MAT 7425

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

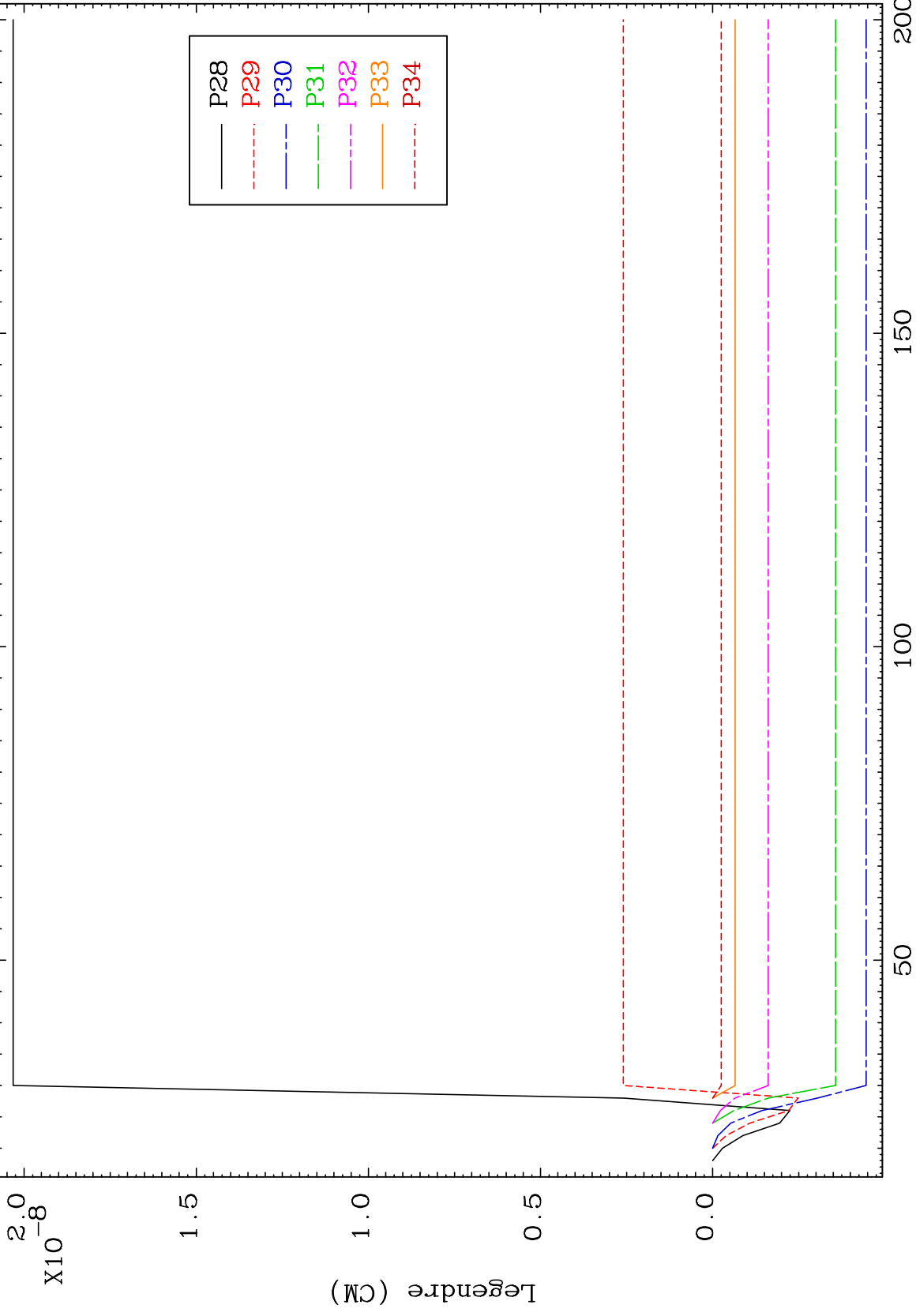
74-W -180



MAT 7425

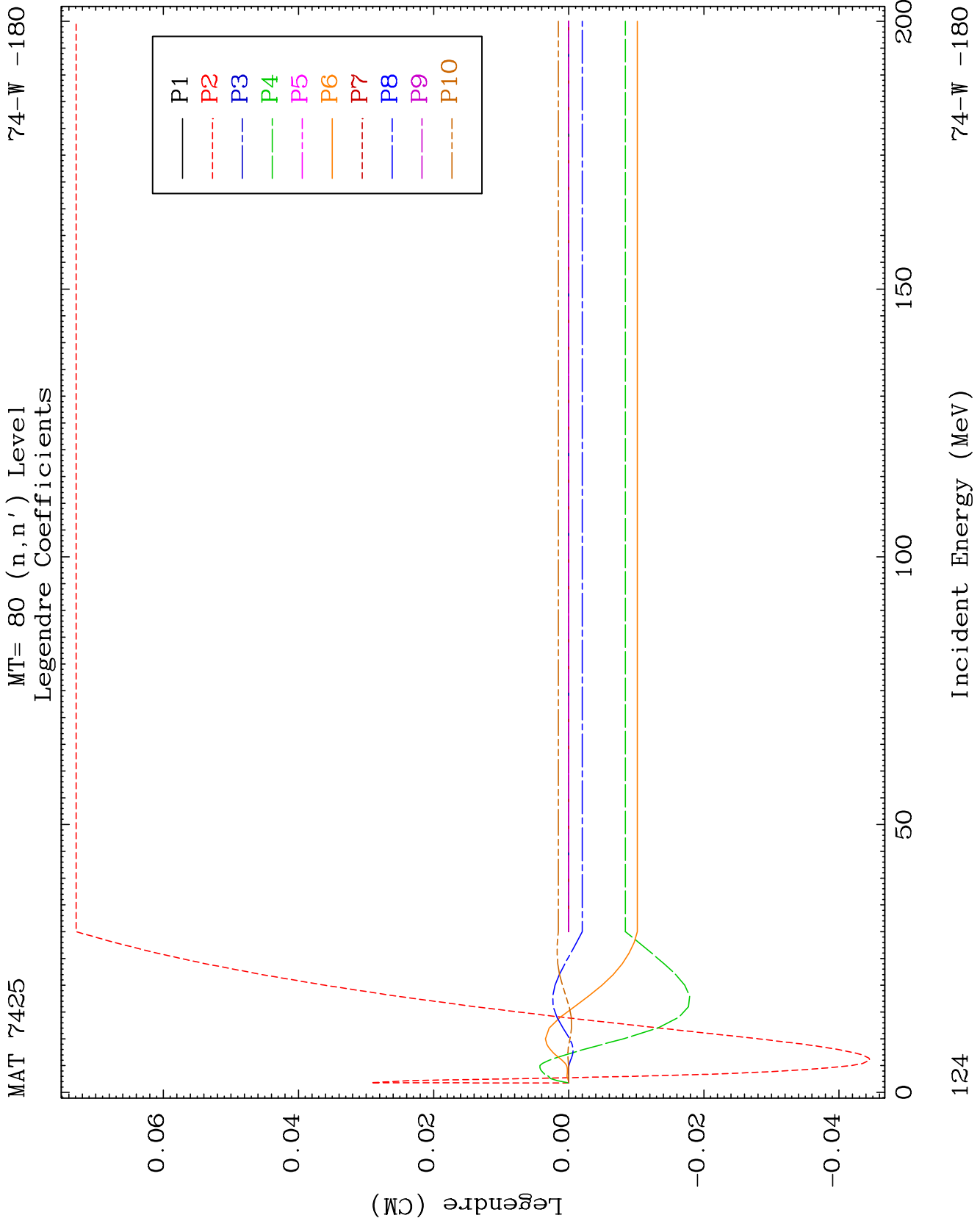
MT= 79 (n,n') Level  
Legendre Coefficients

74-W -180



123

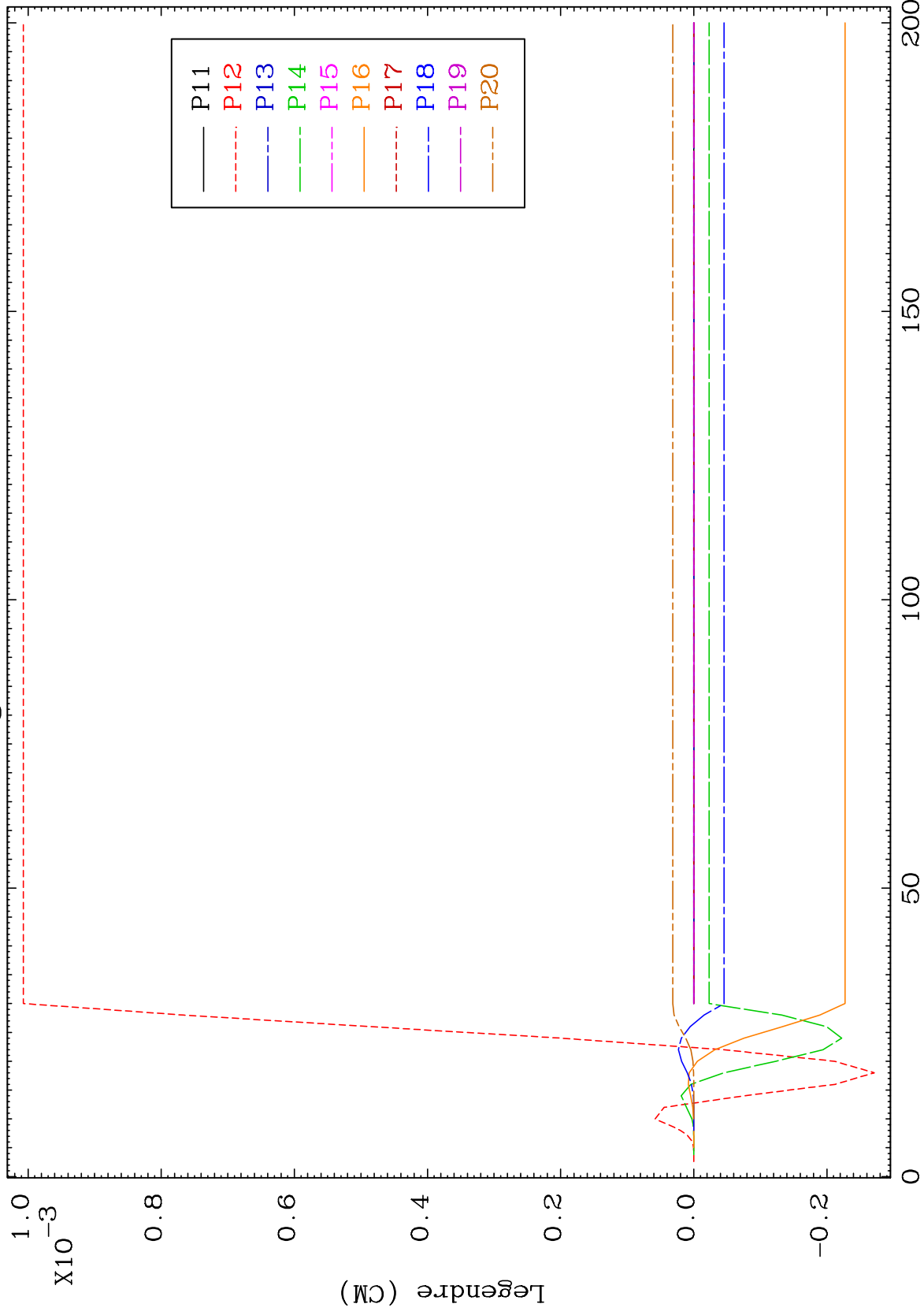
74-W -180



MAT 7425

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

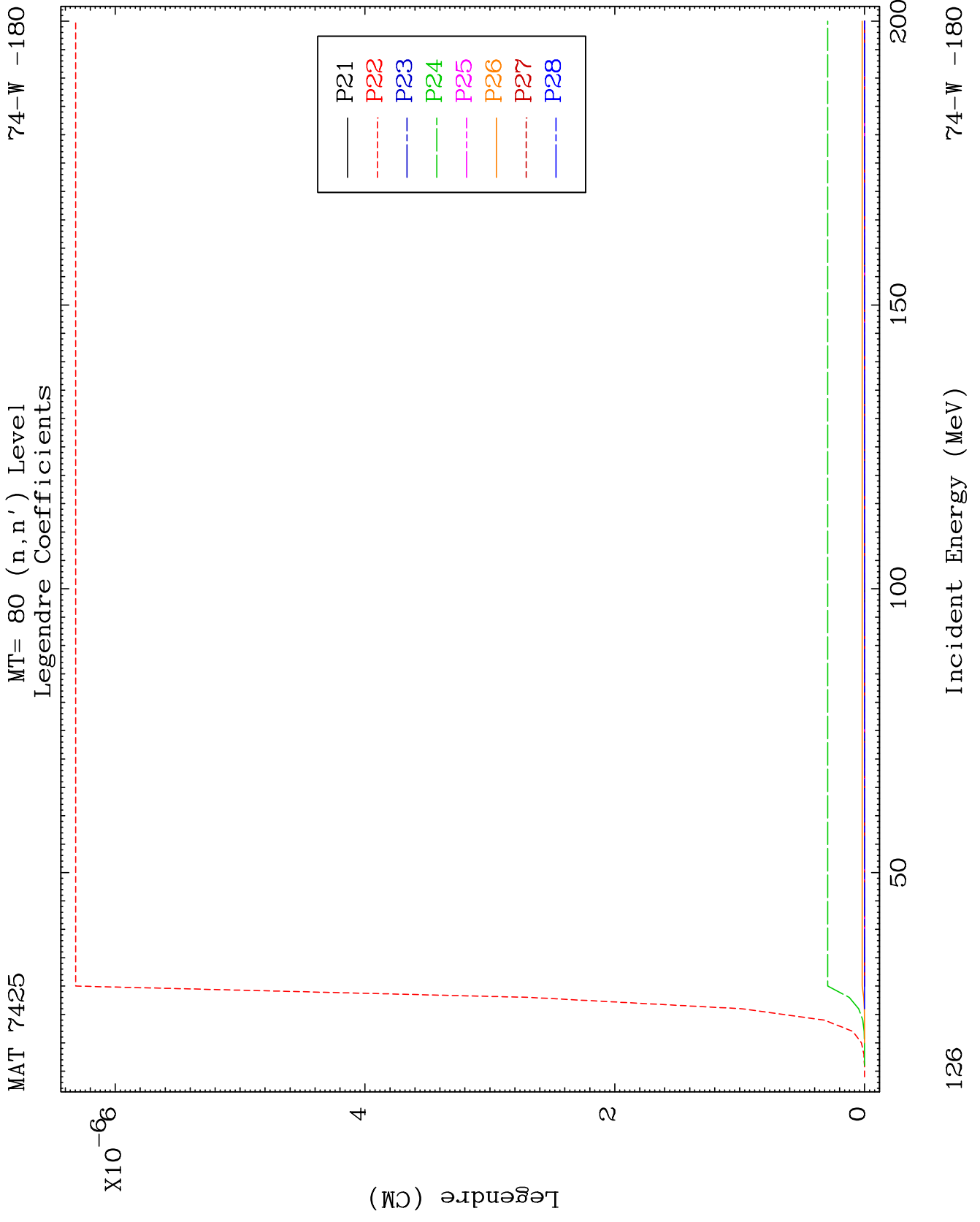
74-W -180



125

Incident Energy (MeV)

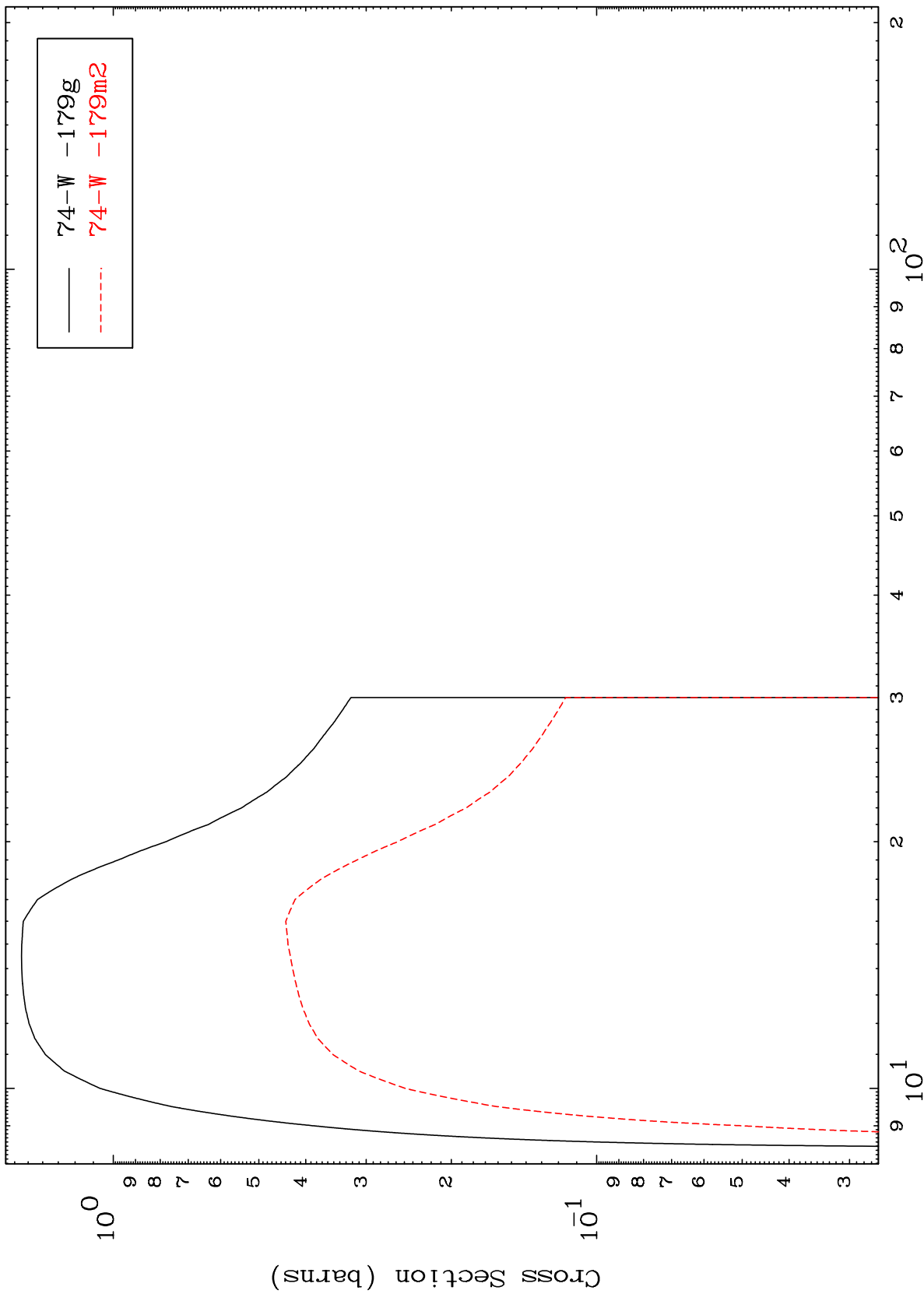
74-W -180



MAT 7425

74-W -180

(n,2n)  
Radionuclide Production Cross Section



74-W -179g  
74-W -179m2

127

Incident Energy (MeV)

74-W -180

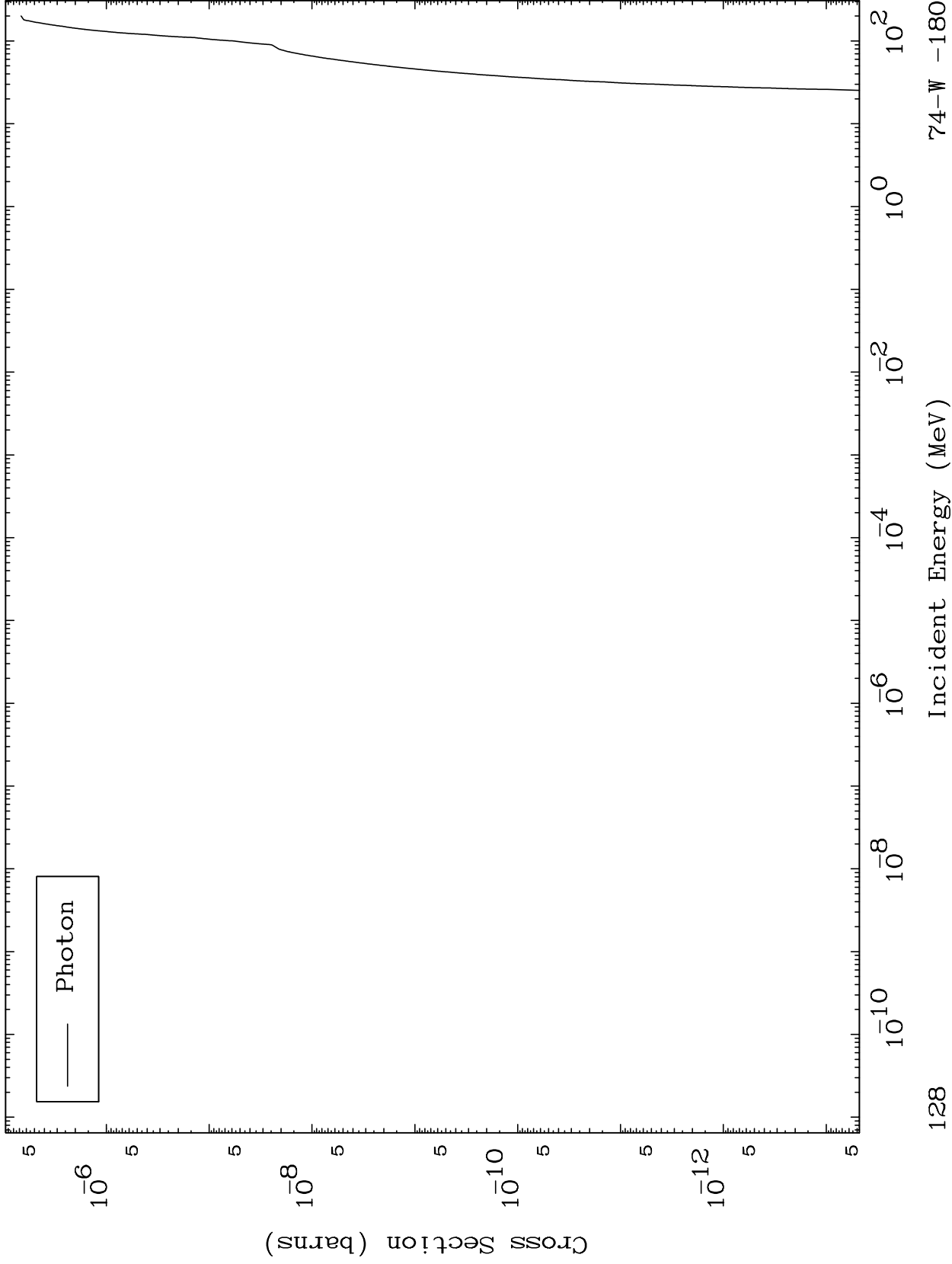


MAT 7425

Fission

74-W -180

Radionuclide Production Cross Section

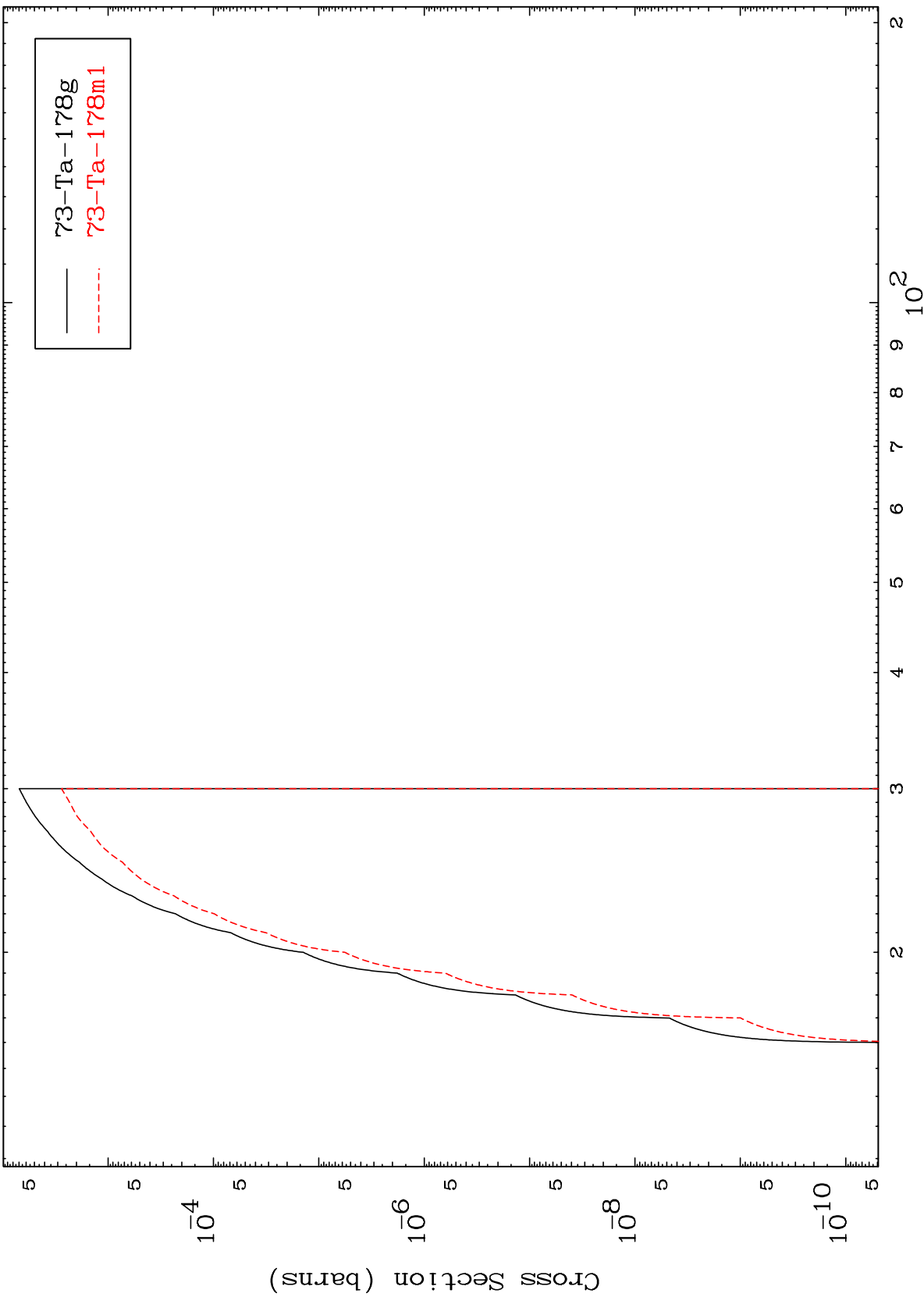


128

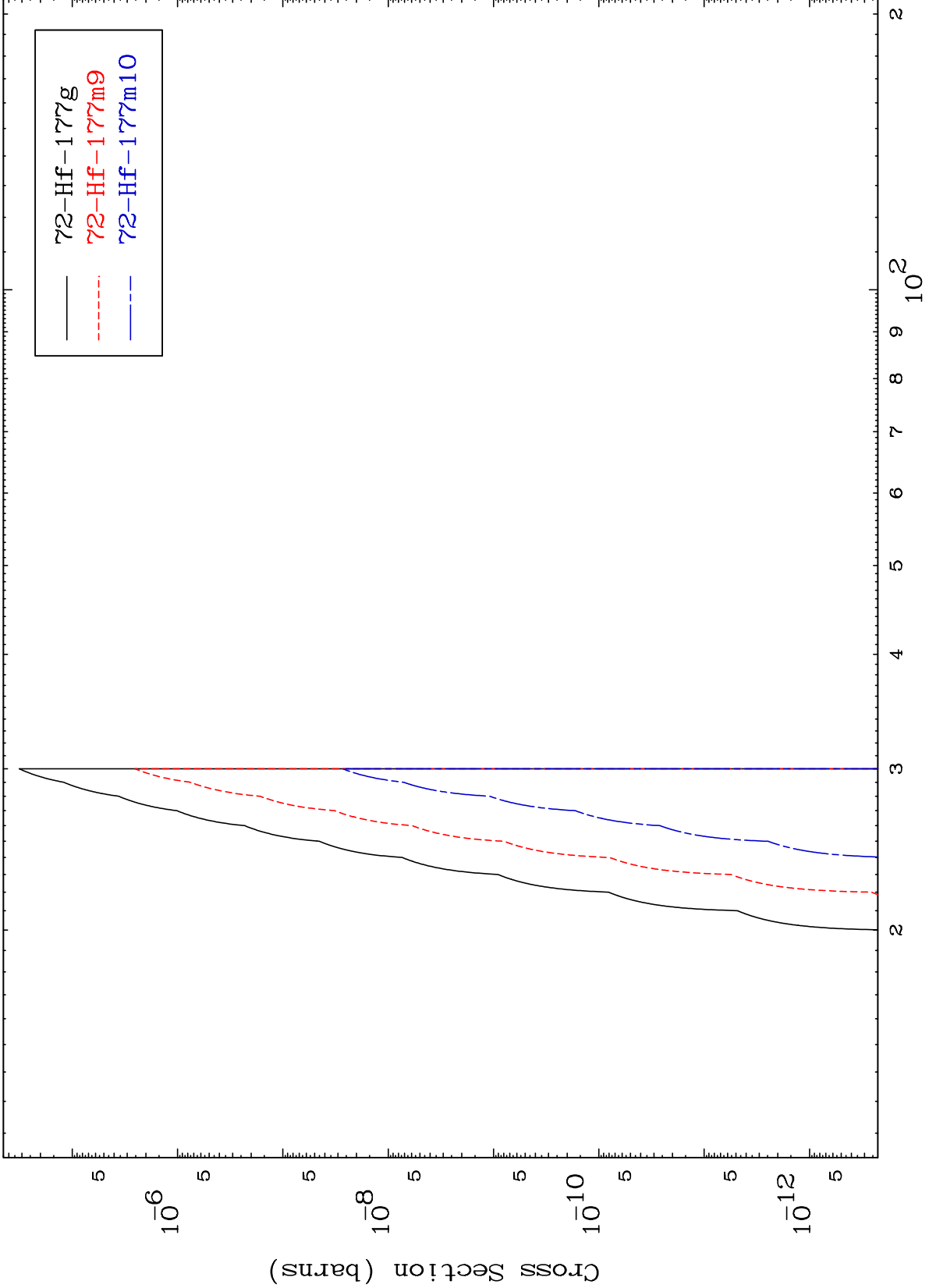
Incident Energy (MeV)

74-W -180

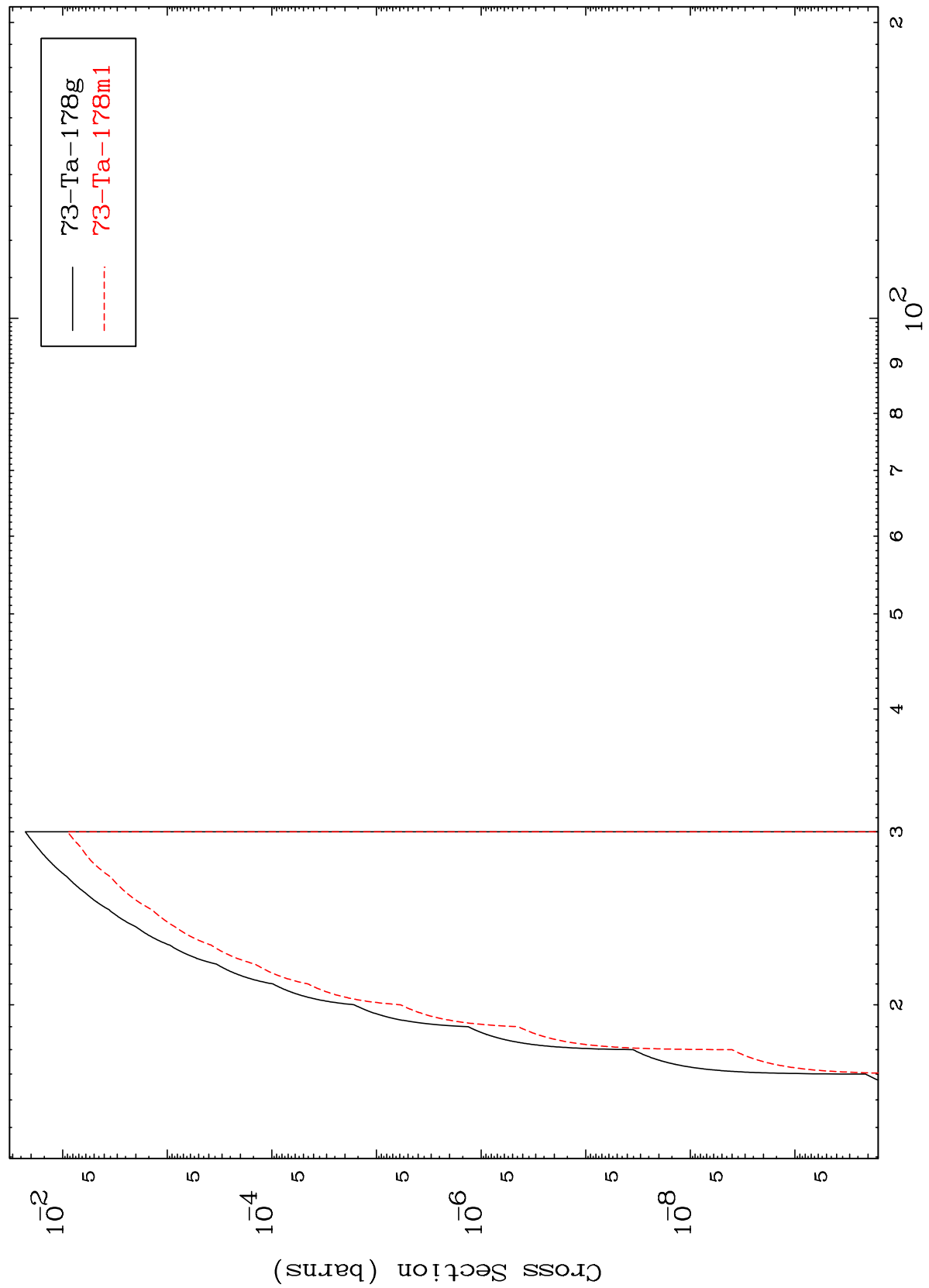
Radionuclide Production Cross Section



Radionuclide Production Cross Section

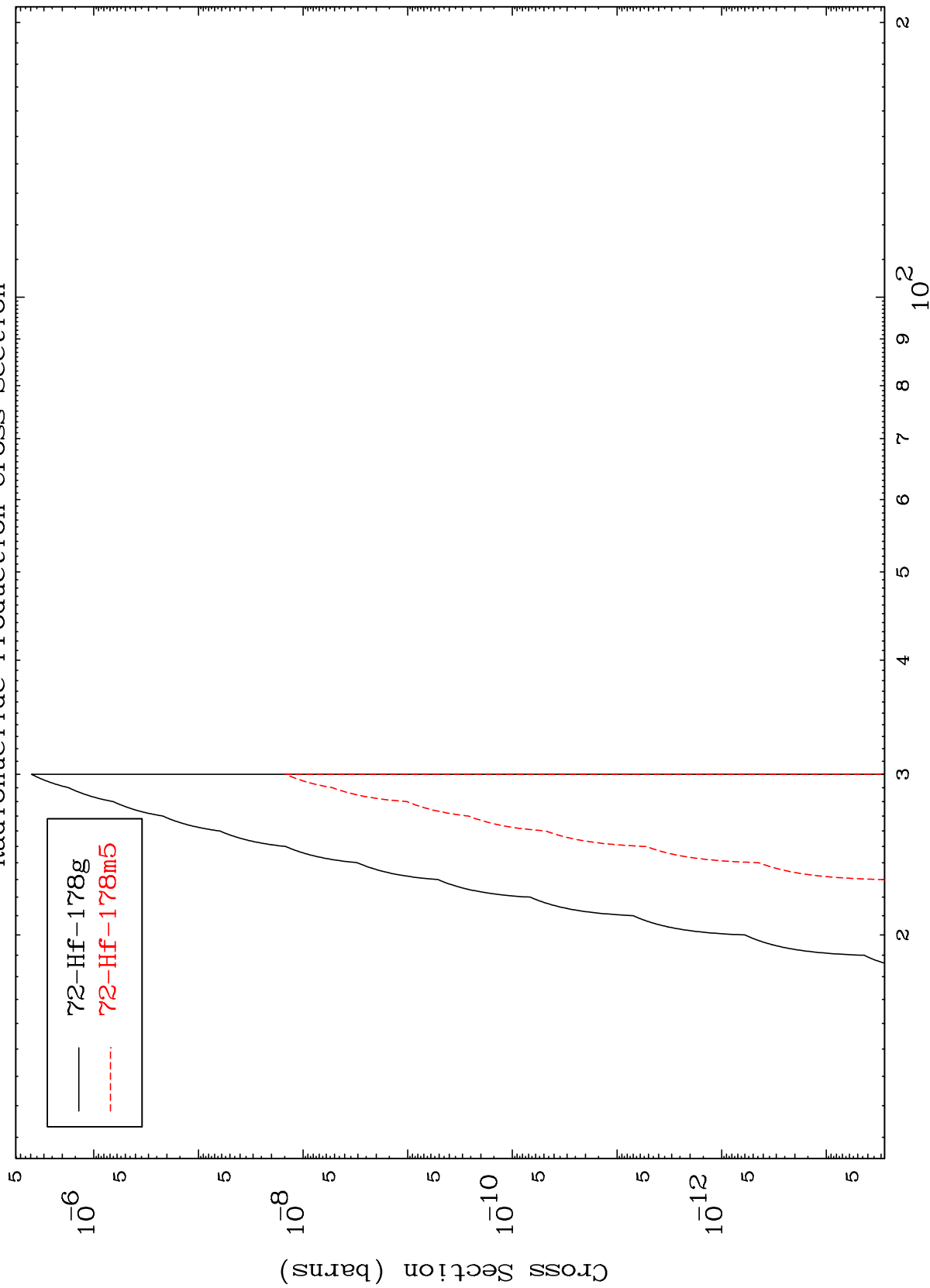


(n,2n) p  
Radionuclide Production Cross Section



73-Ta-178g  
73-Ta-178m1

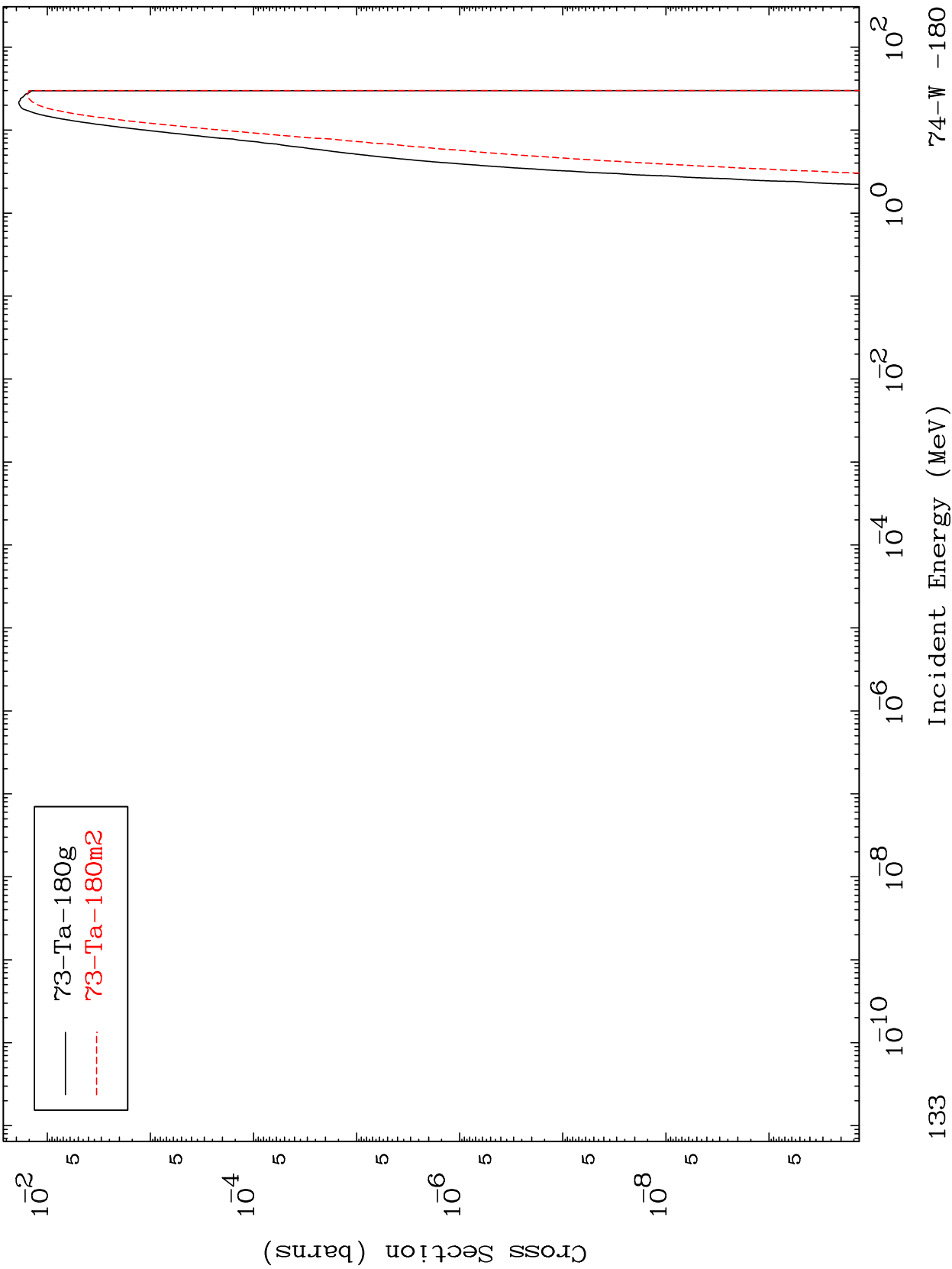
Radionuclide Production Cross Section



MAT 7425

74-W -180

(n,p)  
Radionuclide Production Cross Section

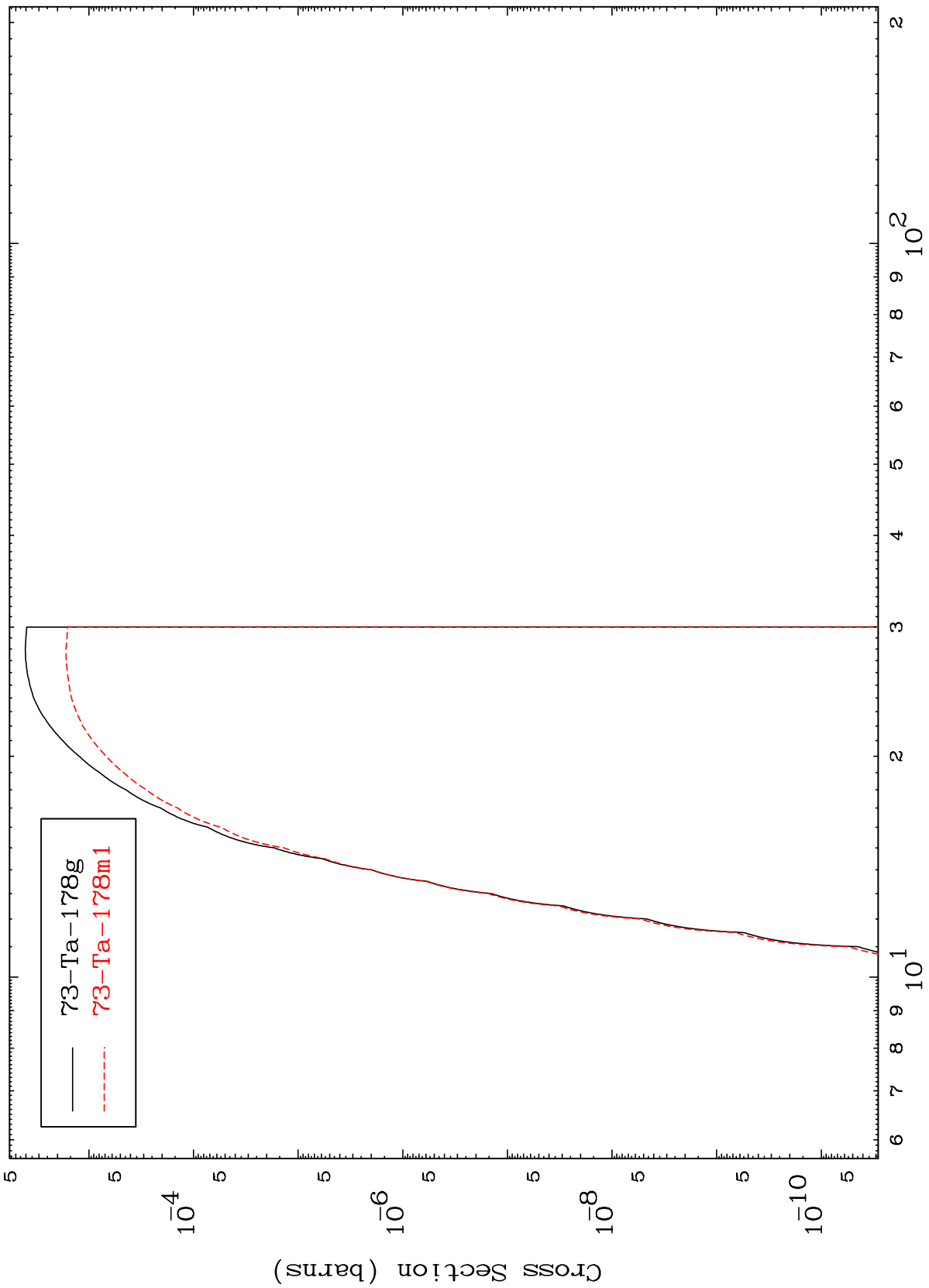


—  $^{73}\text{Ta-180g}$   
- - -  $^{73}\text{Ta-180m2}$

MAT 7425

74-W -180

(n, t)  
Radionuclide Production Cross Section



134

Incident Energy (MeV)

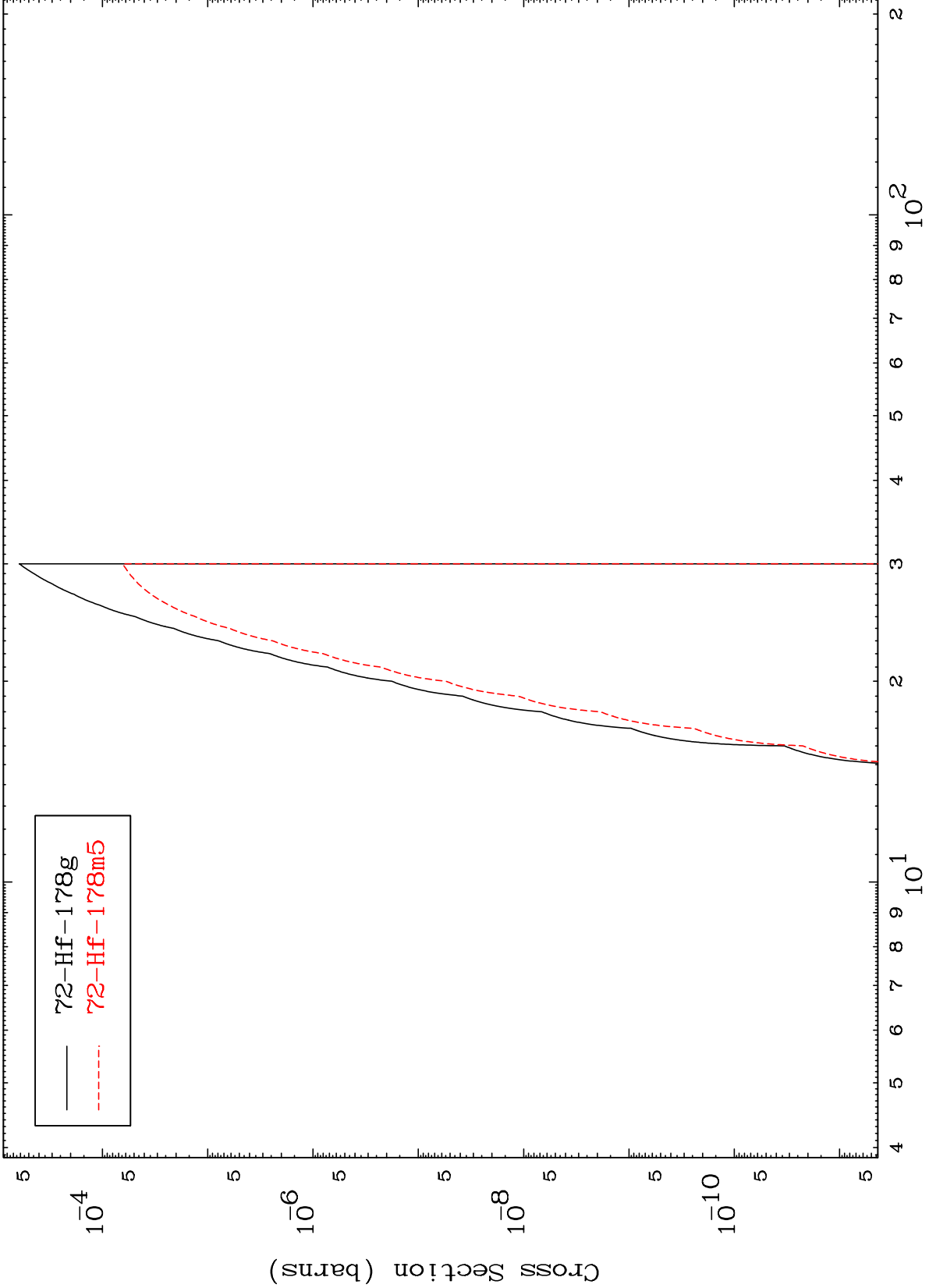
74-W -180

MAT 7425

(n,He-3)

74-W -180

Radionuclide Production Cross Section



— 72-Hf-178g  
- - - 72-Hf-178m5

135

Incident Energy (MeV)

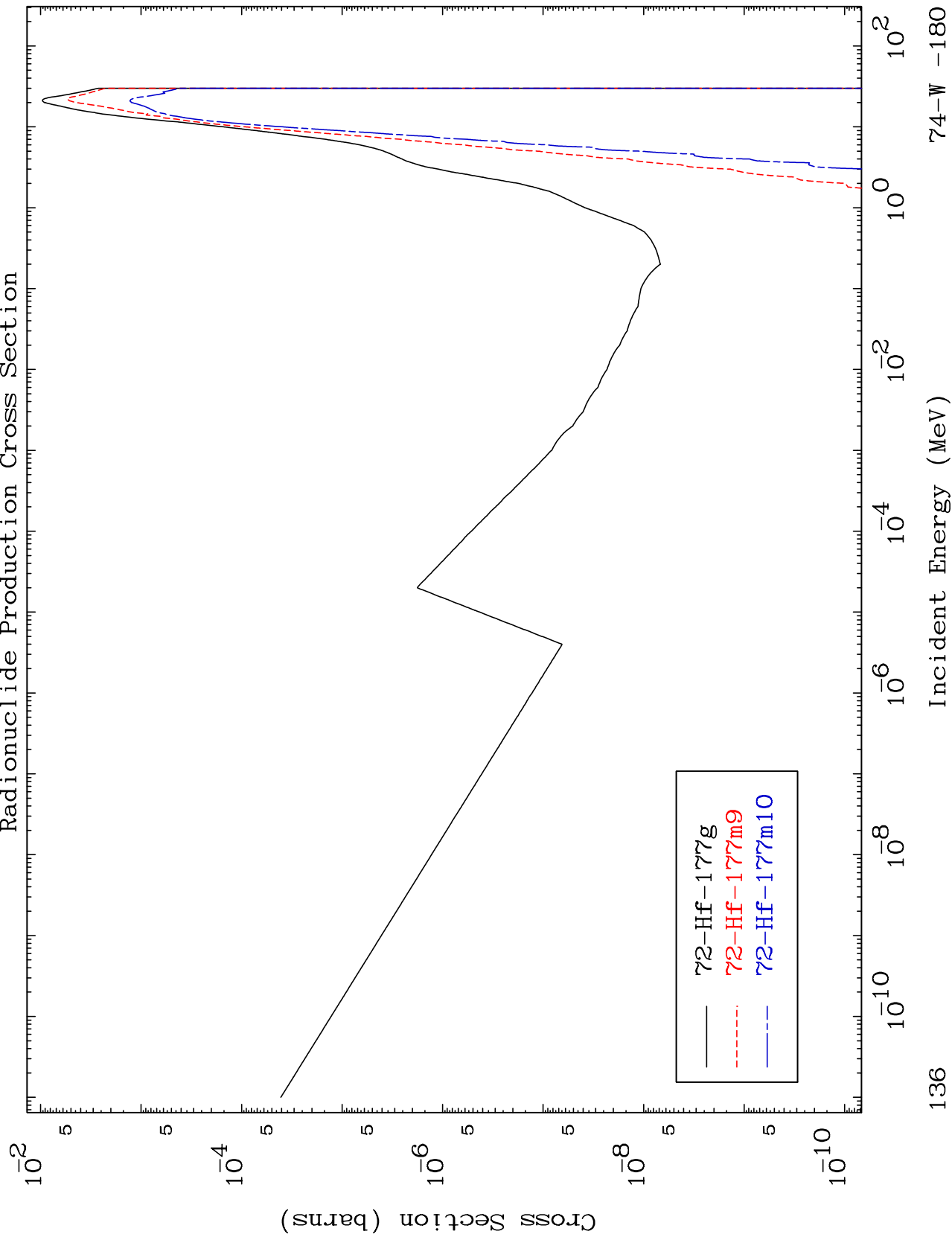
74-W -180



MAT 7425

74-W -180

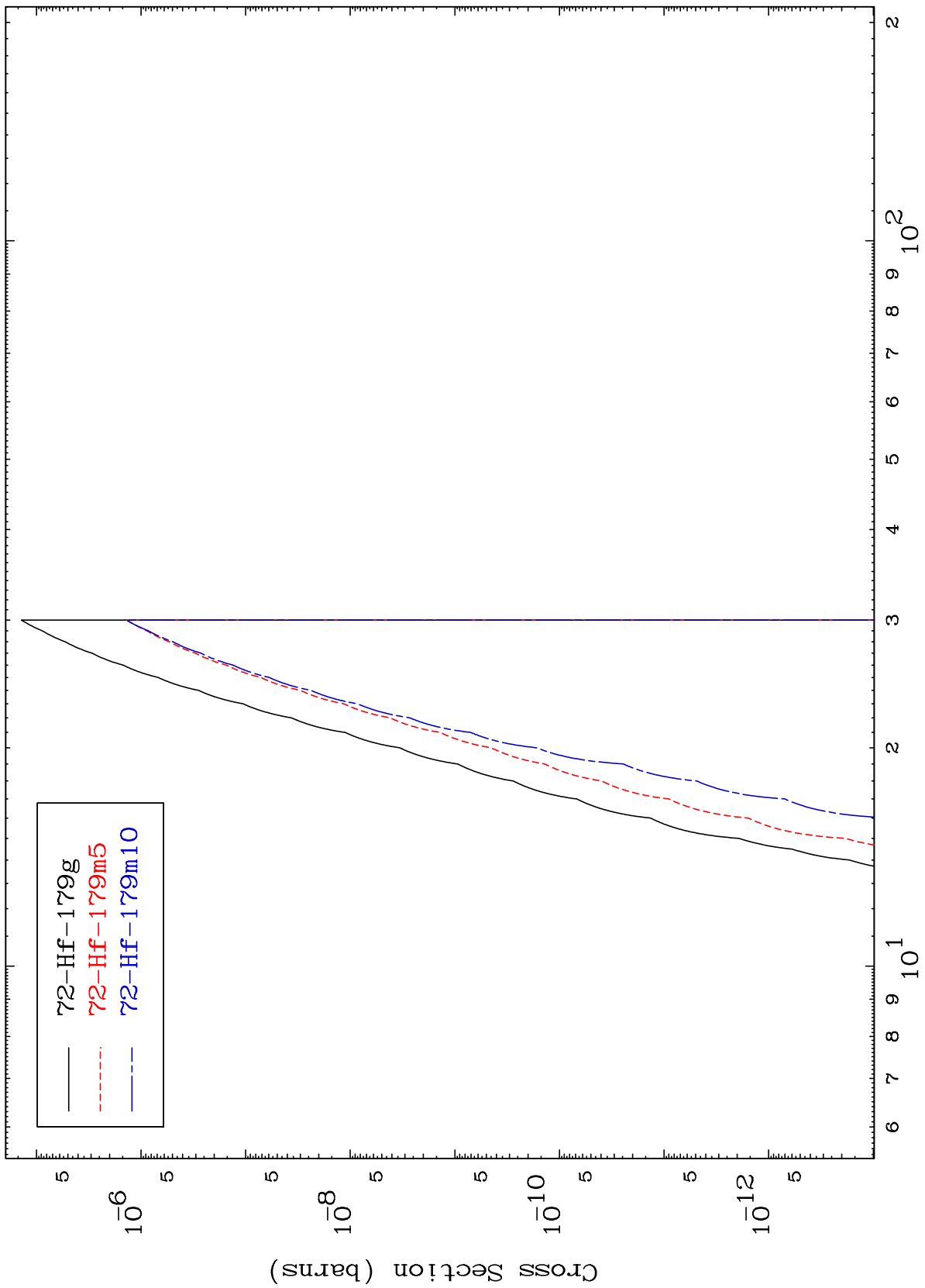
Radionuclide Production Cross Section



MAT 7425

74-W -180

Radionuclide Production Cross Section (n,2p)



137

Incident Energy (MeV)

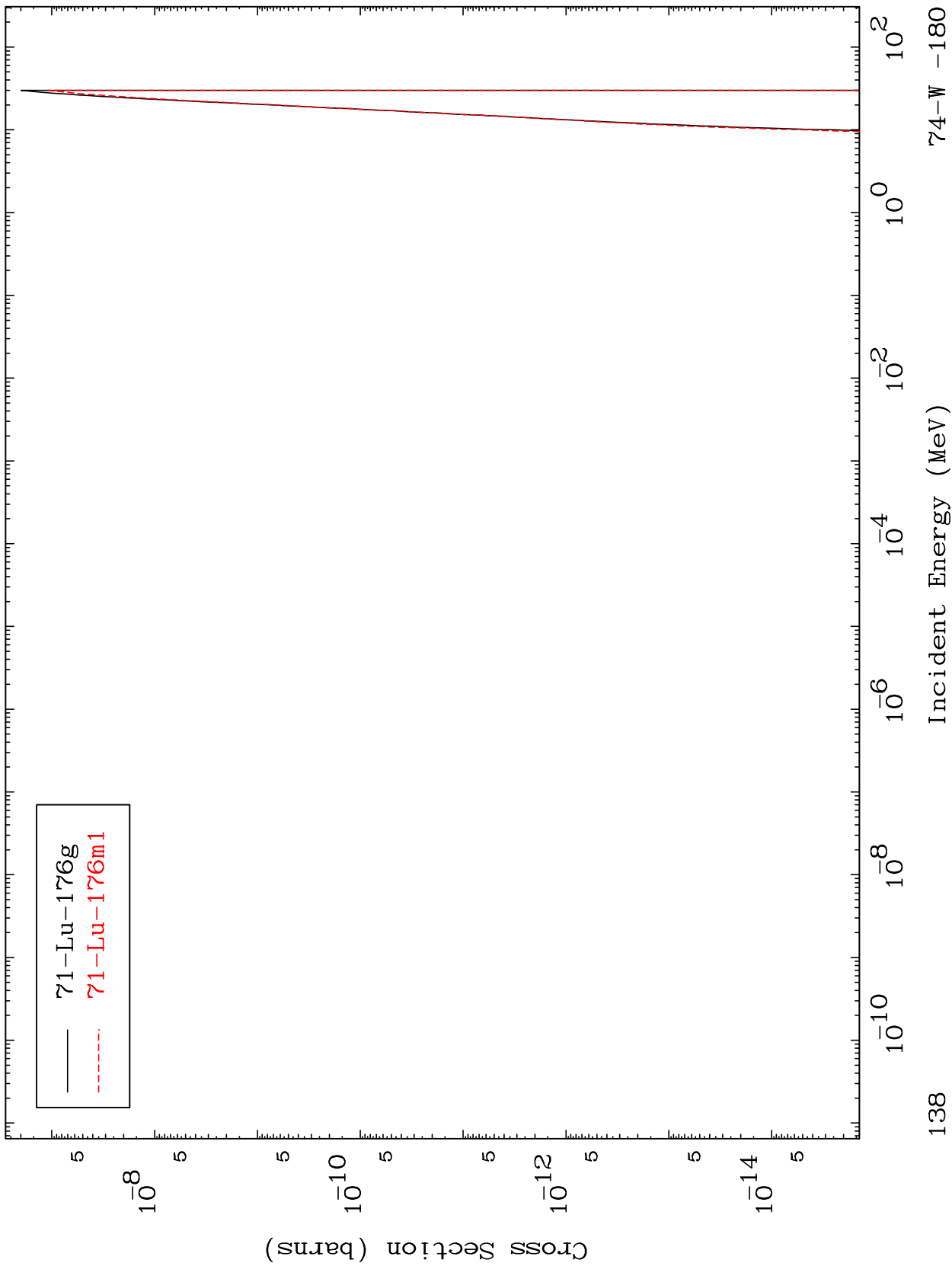
74-W -180

MAT 7425

(n,p)  $\alpha$

74-W -180

Radionuclide Production Cross Section

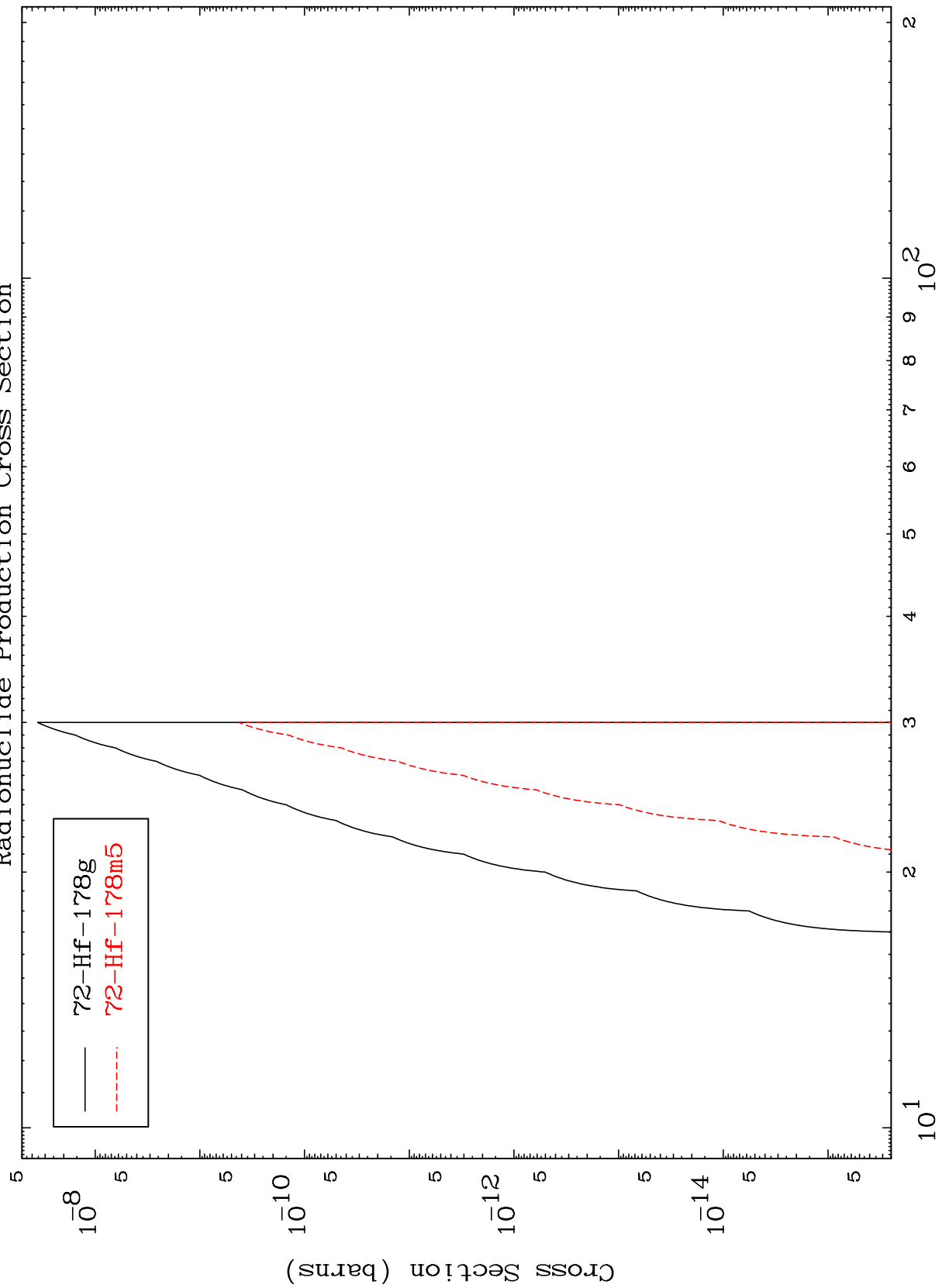


MAT 7425

(n,p) d

74-W -180

Radionuclide Production Cross Section



139

Incident Energy (MeV)

74-W -180

Radionuclide Production Cross Section

