

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

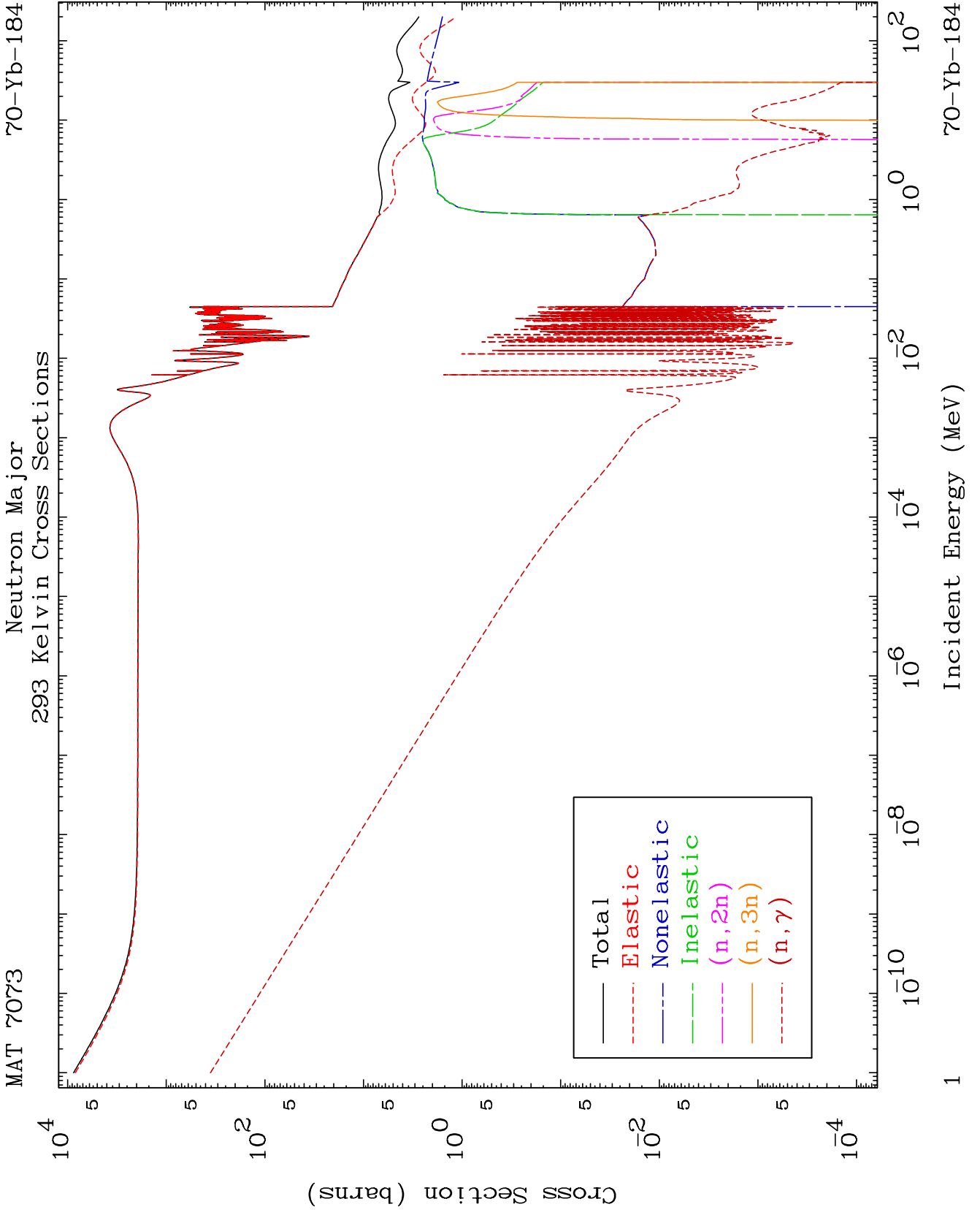
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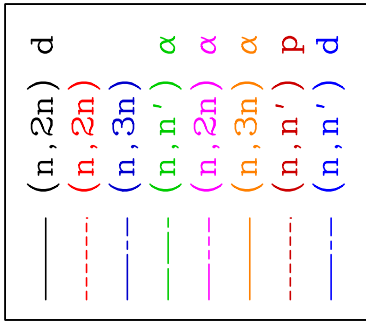
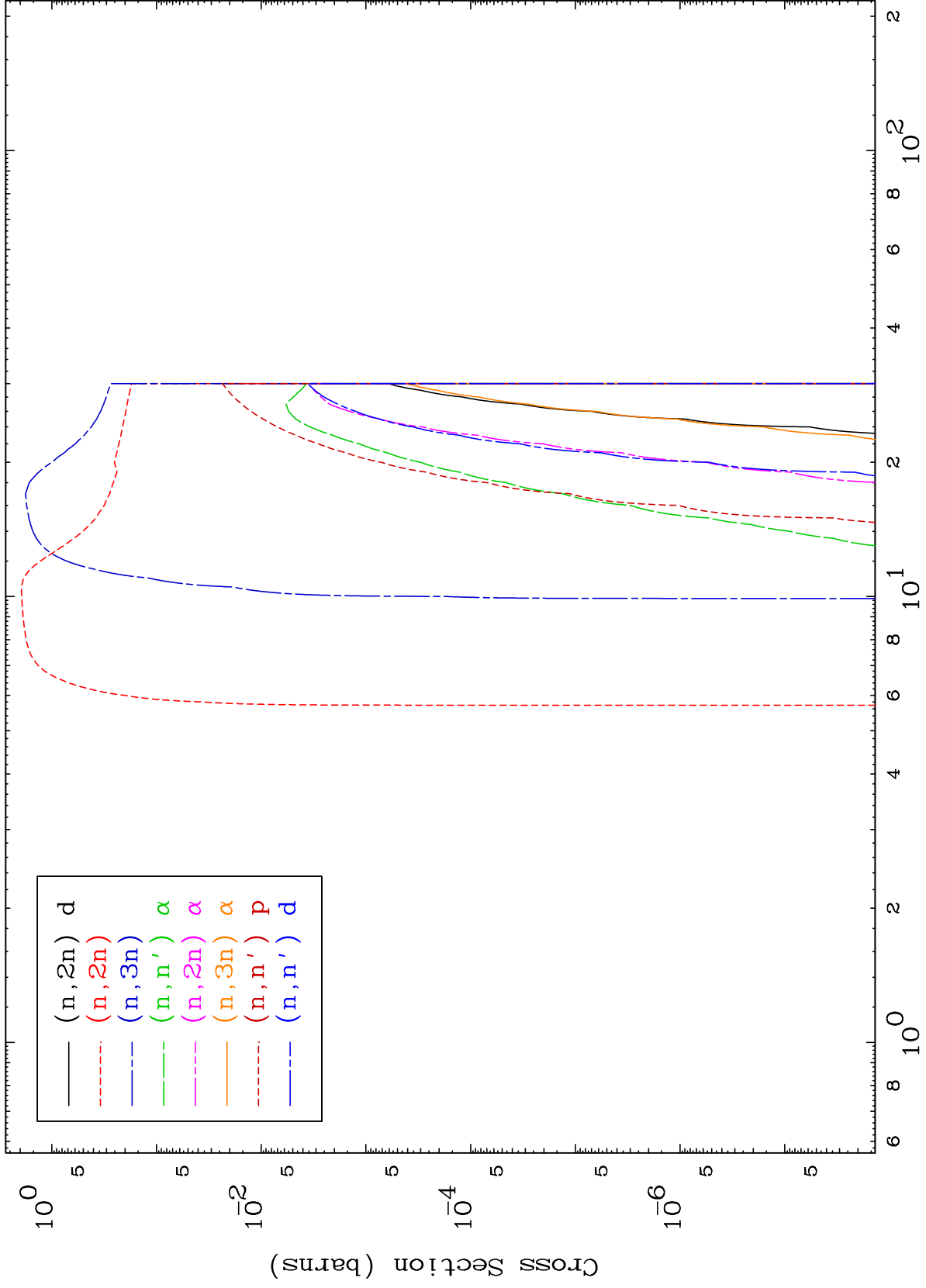
Press Mouse Button to Start



MAT 7073

Neutron Absorption  
293 Kelvin Cross Sections

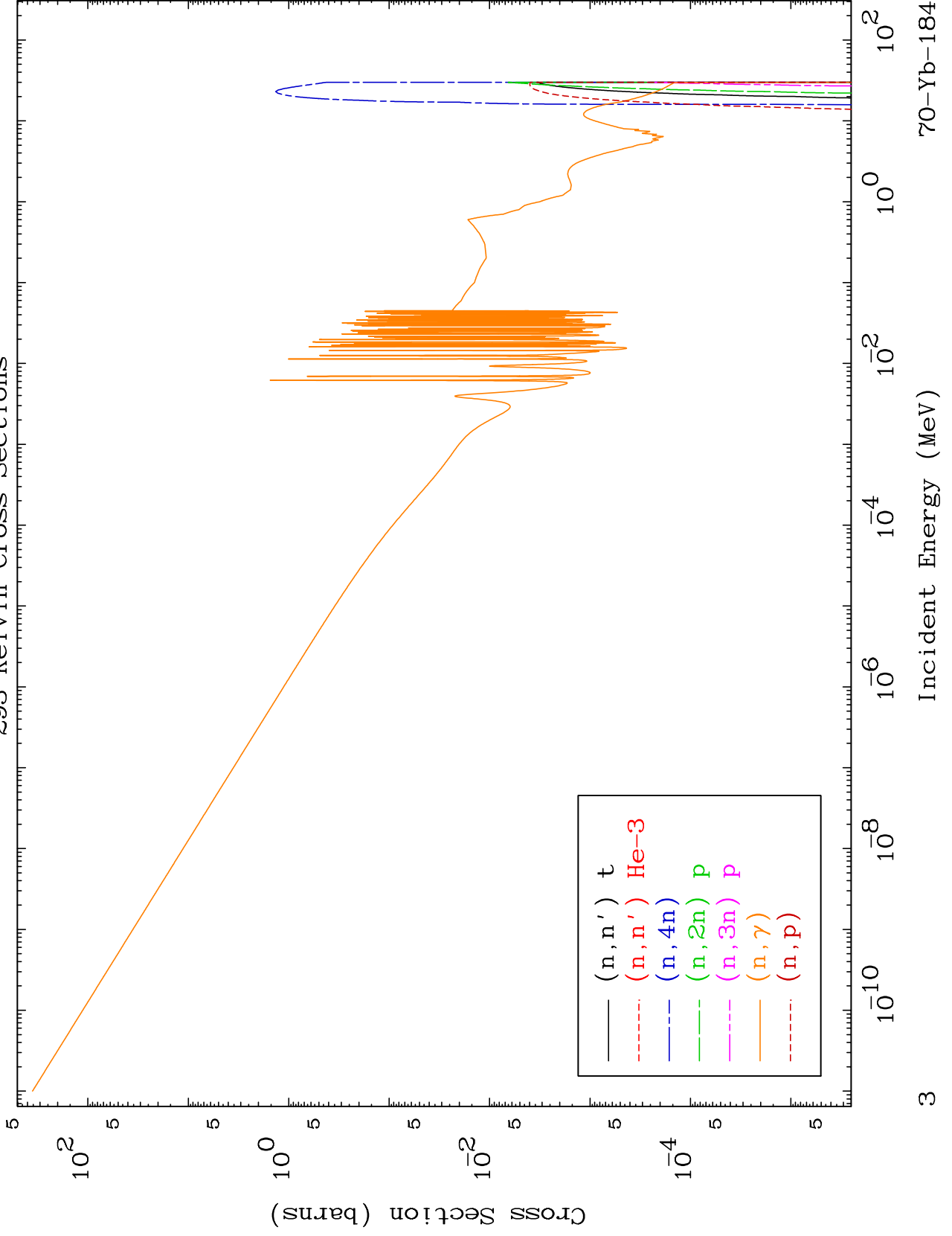
70-Yb-184



MAT 7073

Neutron Absorption  
293 Kelvin Cross Sections

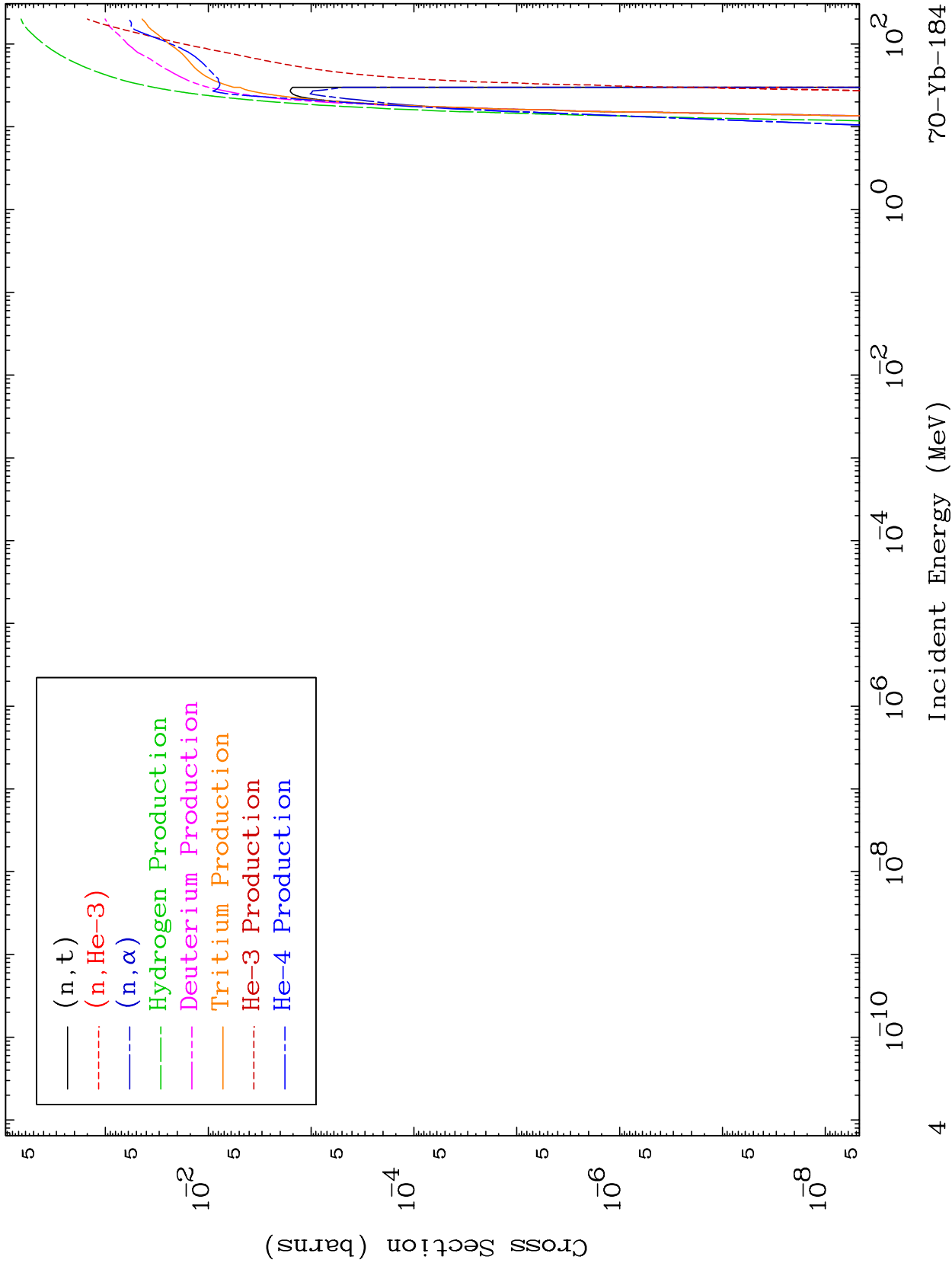
70-Yb-184



MAT 7073

Neutron Absorption  
293 Kelvin Cross Sections

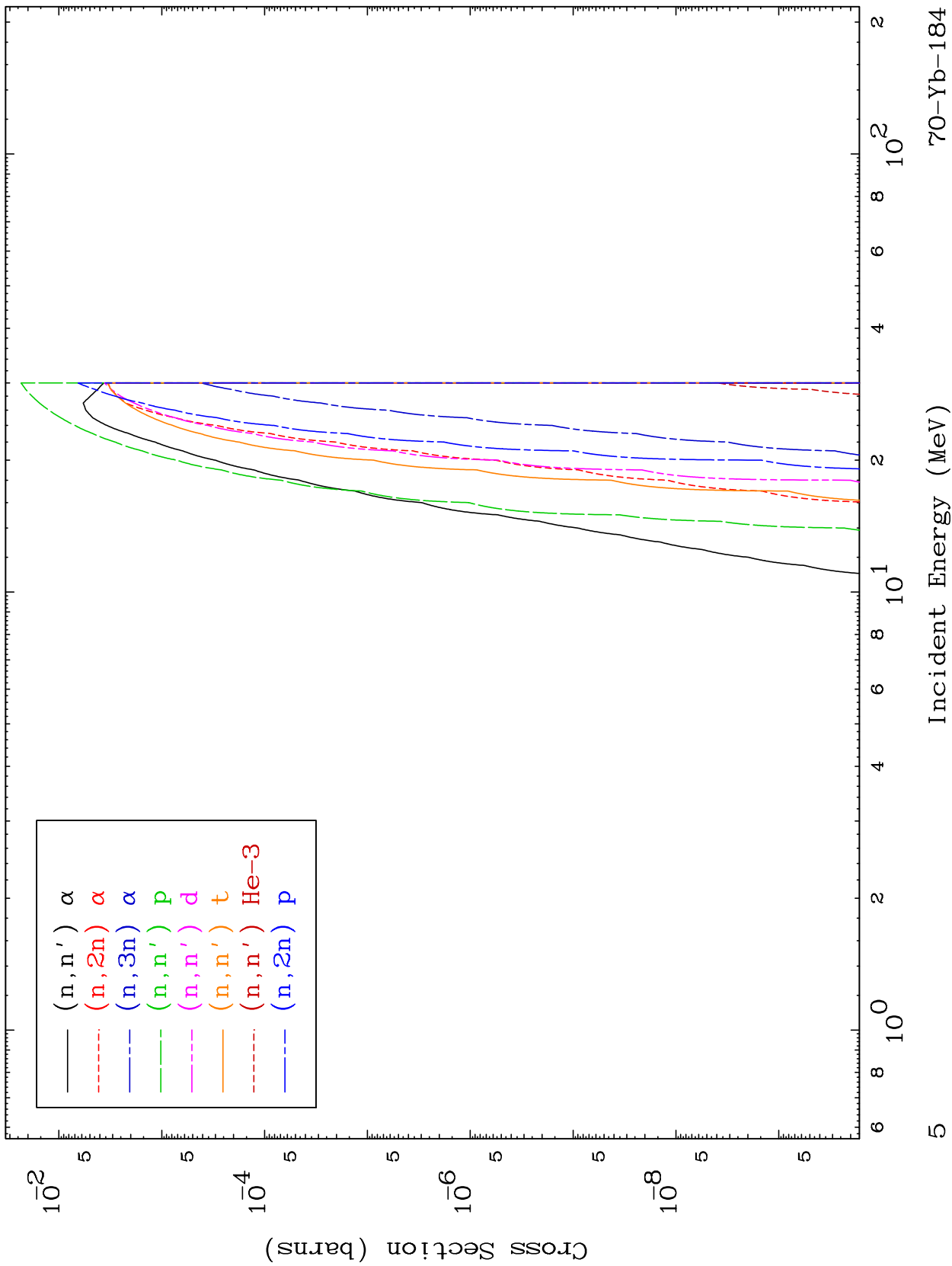
70-Yb-184



MAT 7073

Charged Particle  
293 Kelvin Cross Sections

70-Yb-184



5

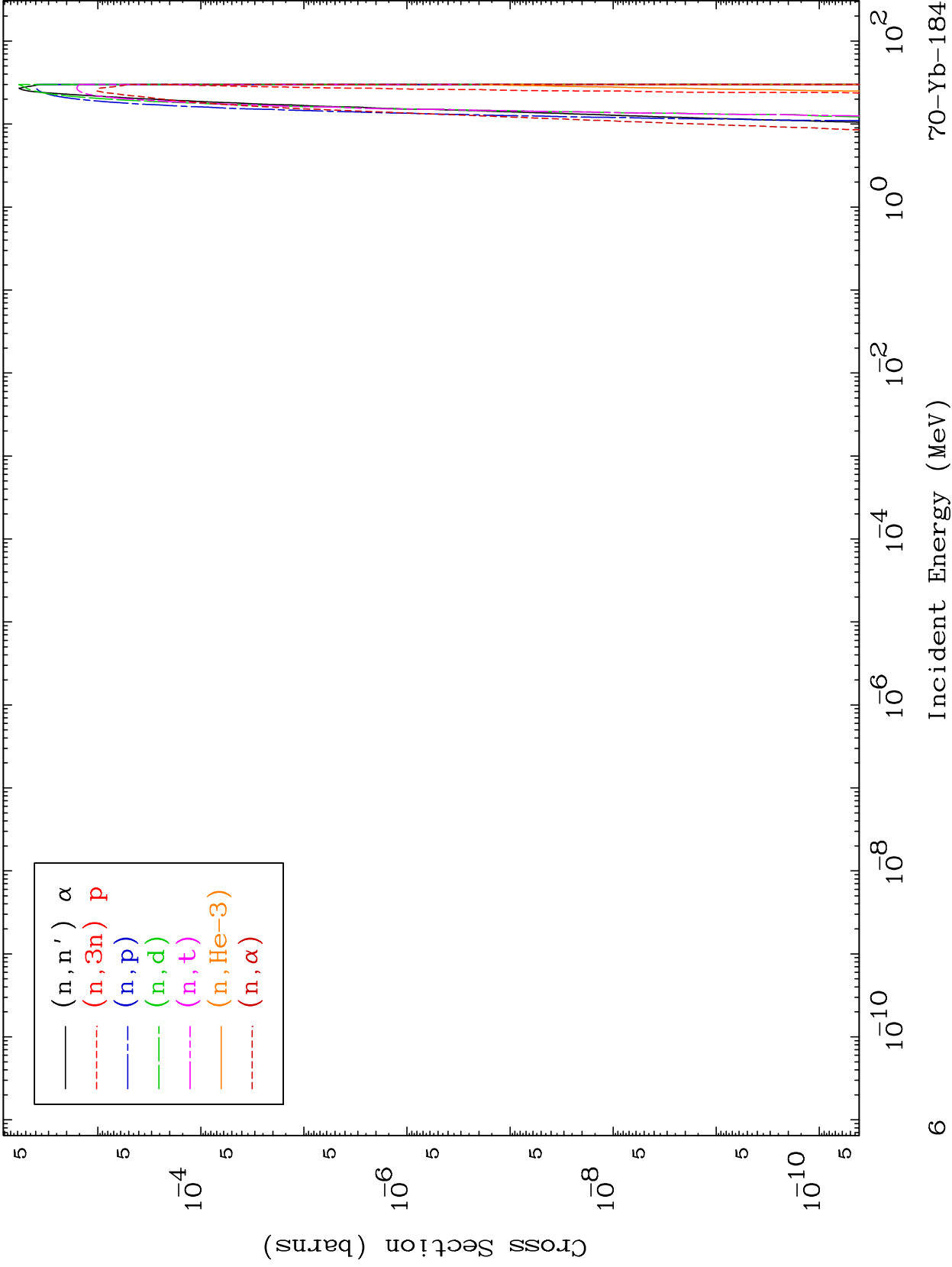
Incident Energy (MeV)

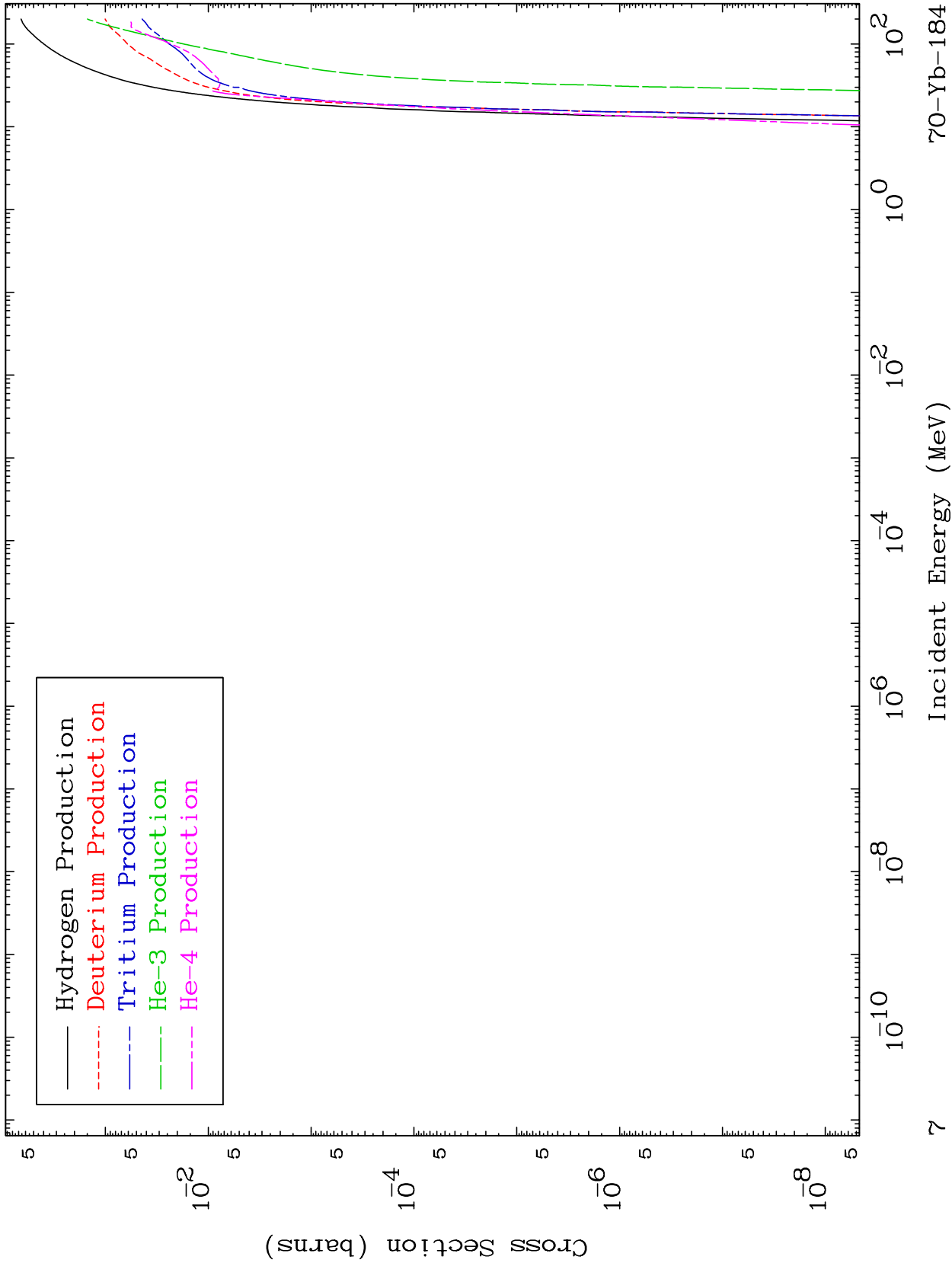
70-Yb-184

MAT 7073

Charged Particle  
293 Kelvin Cross Sections

70-Yb-184





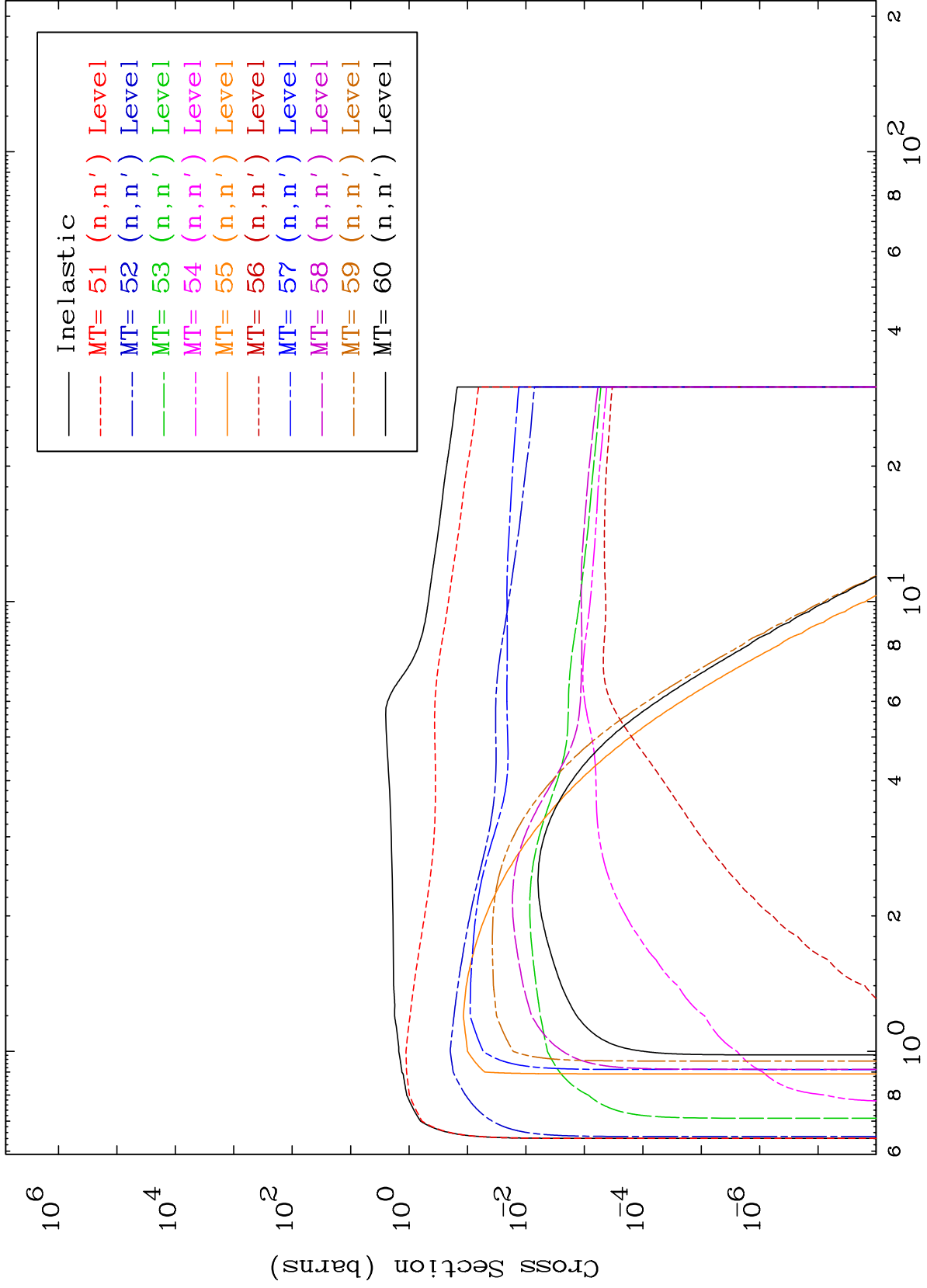


MAT 7073

(n,n') Levels

70-Yb-184

293 Kelvin Cross Sections

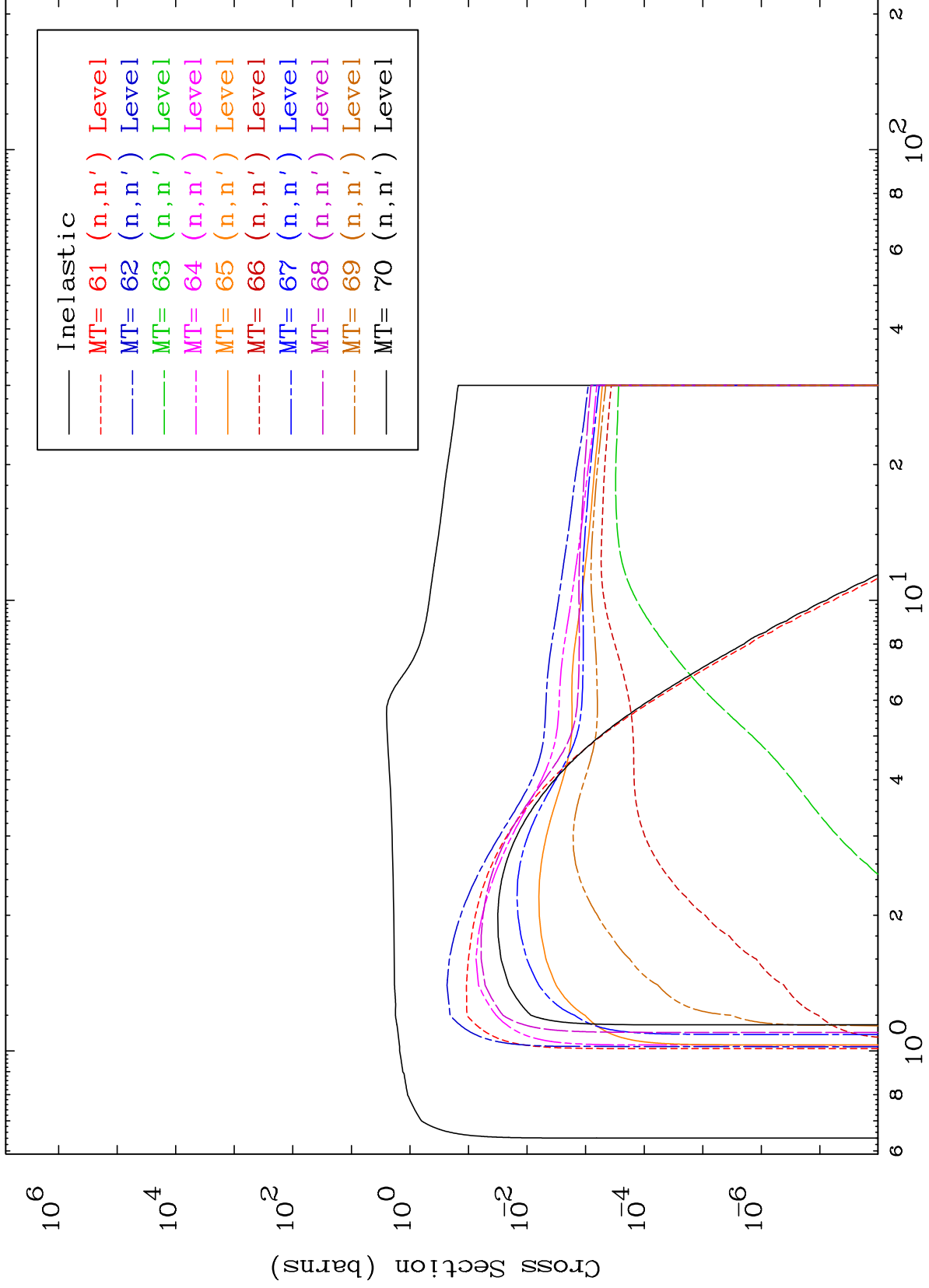


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Incident Energy (MeV)

70-Yb-184

293 Kelvin Cross Sections

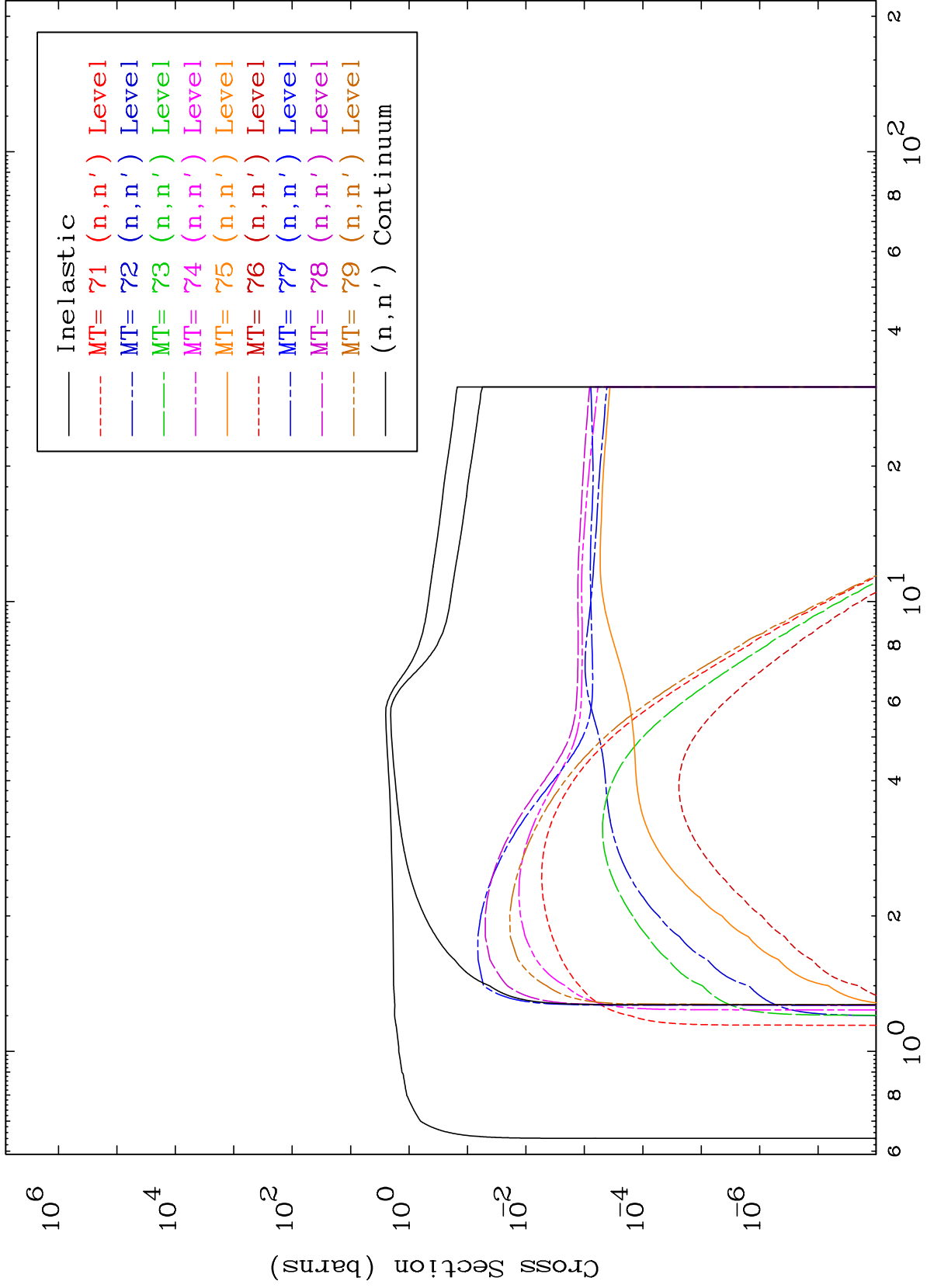


MAT 7073

(n,n') Levels

70-Yb-184

293 Kelvin Cross Sections



10

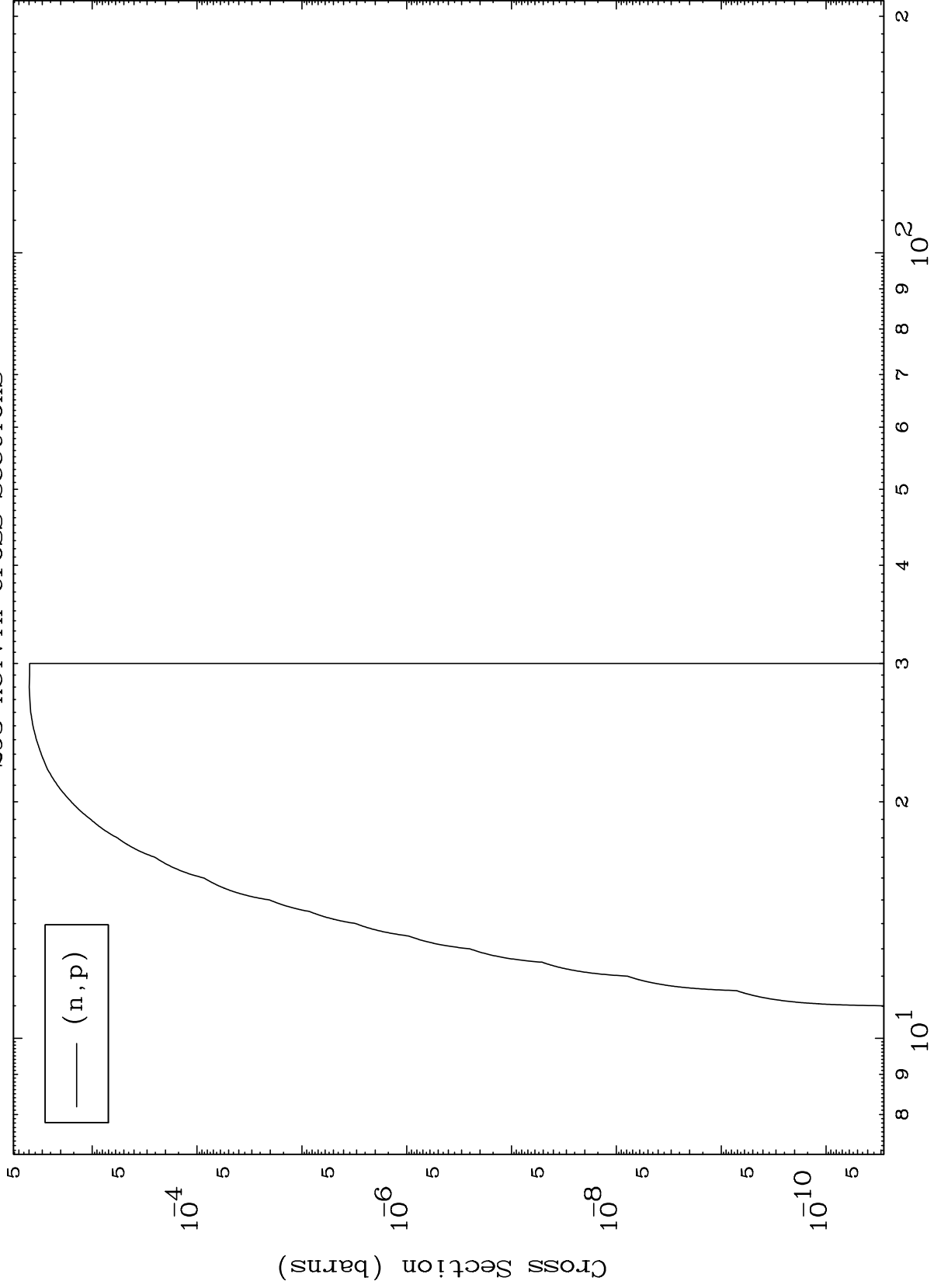
Incident Energy (MeV)

70-Yb-184

MAT 7073

(n,p) Levels  
293 Kelvin Cross Sections

70-Yb-184



11

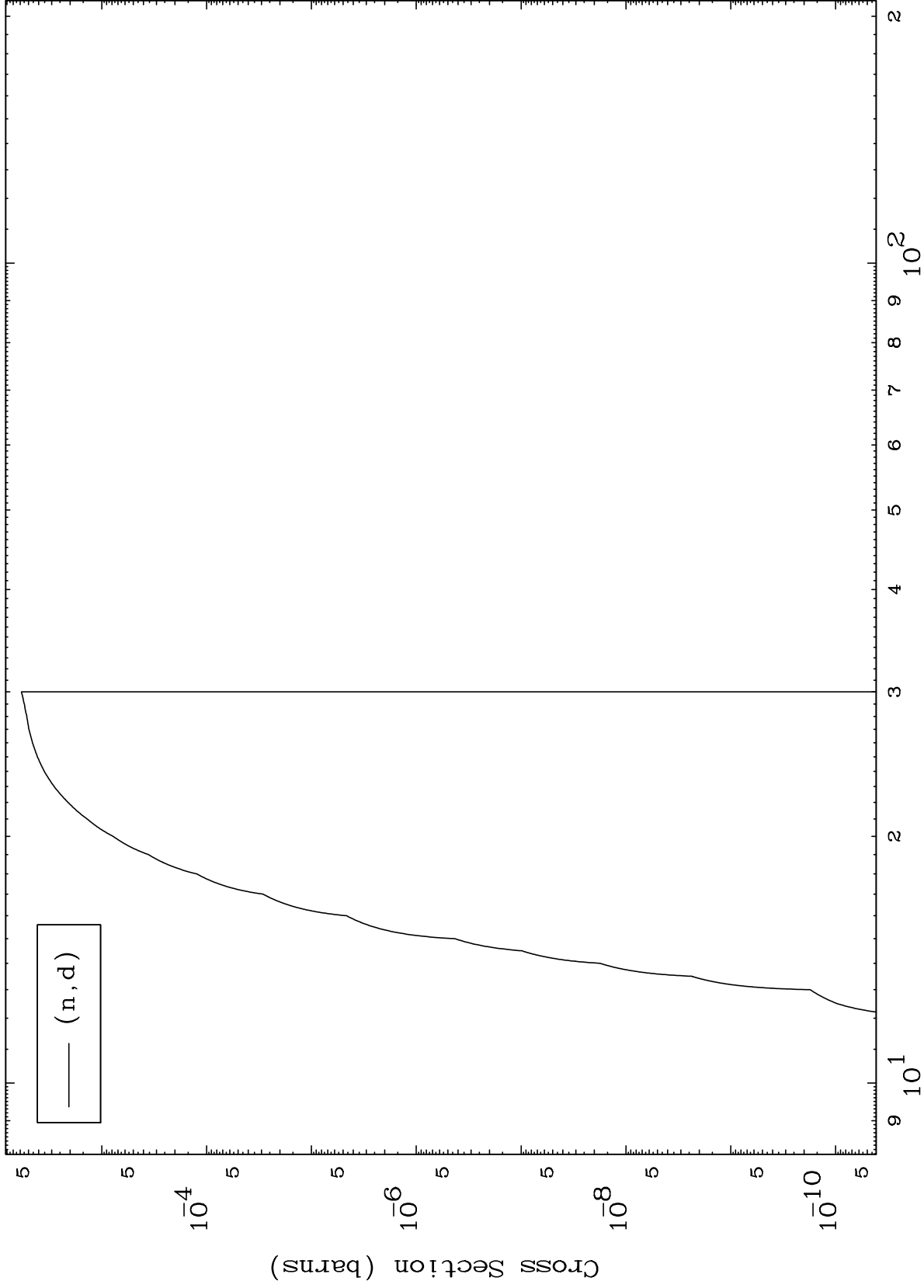
Incident Energy (MeV)

70-Yb-184

MAT 7073

(n,d) Levels  
293 Kelvin Cross Sections

70-Yb-184



12

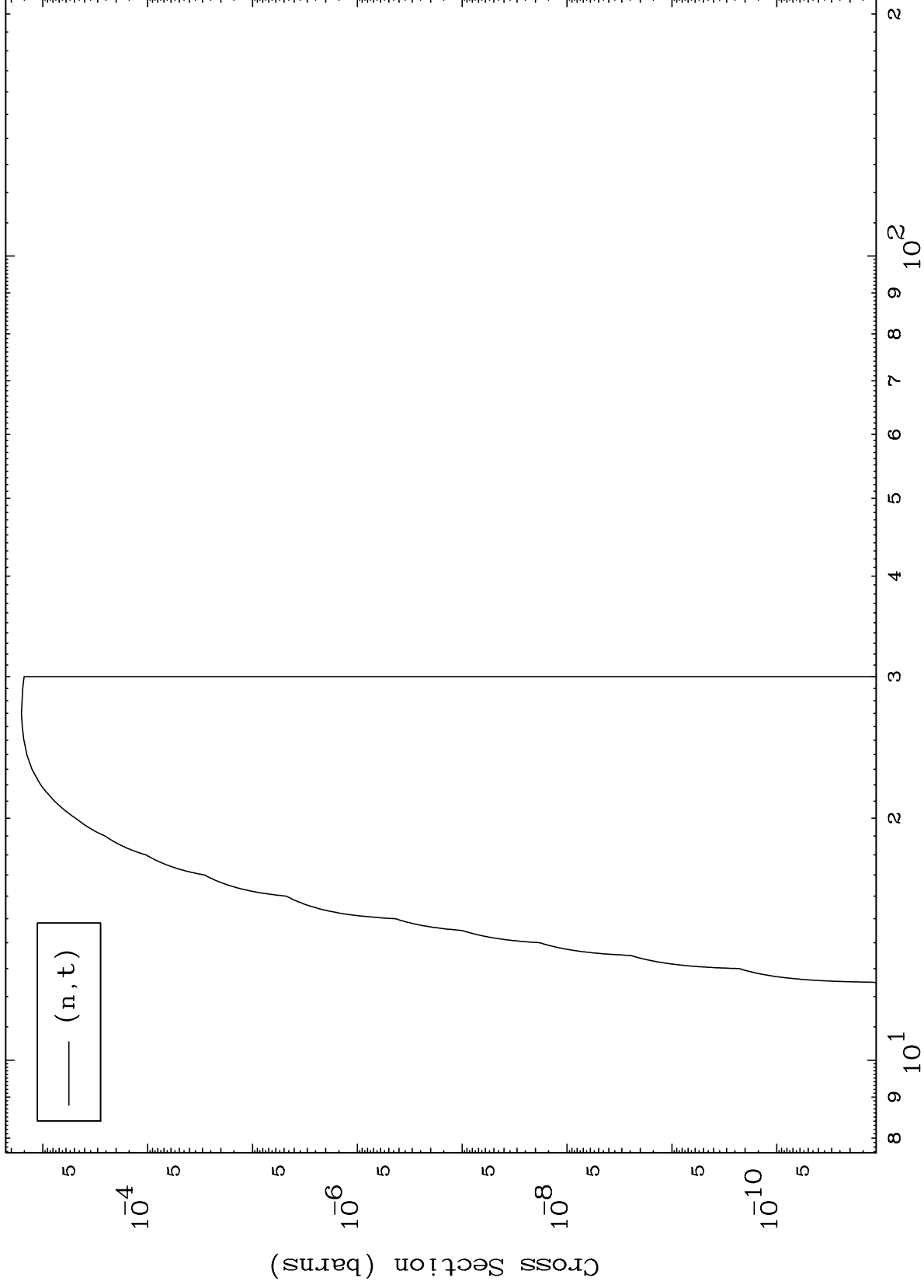
Incident Energy (MeV)

70-Yb-184

MAT 7073

(n,t) Levels  
293 Kelvin Cross Sections

70-Yb-184



Incident Energy (MeV)

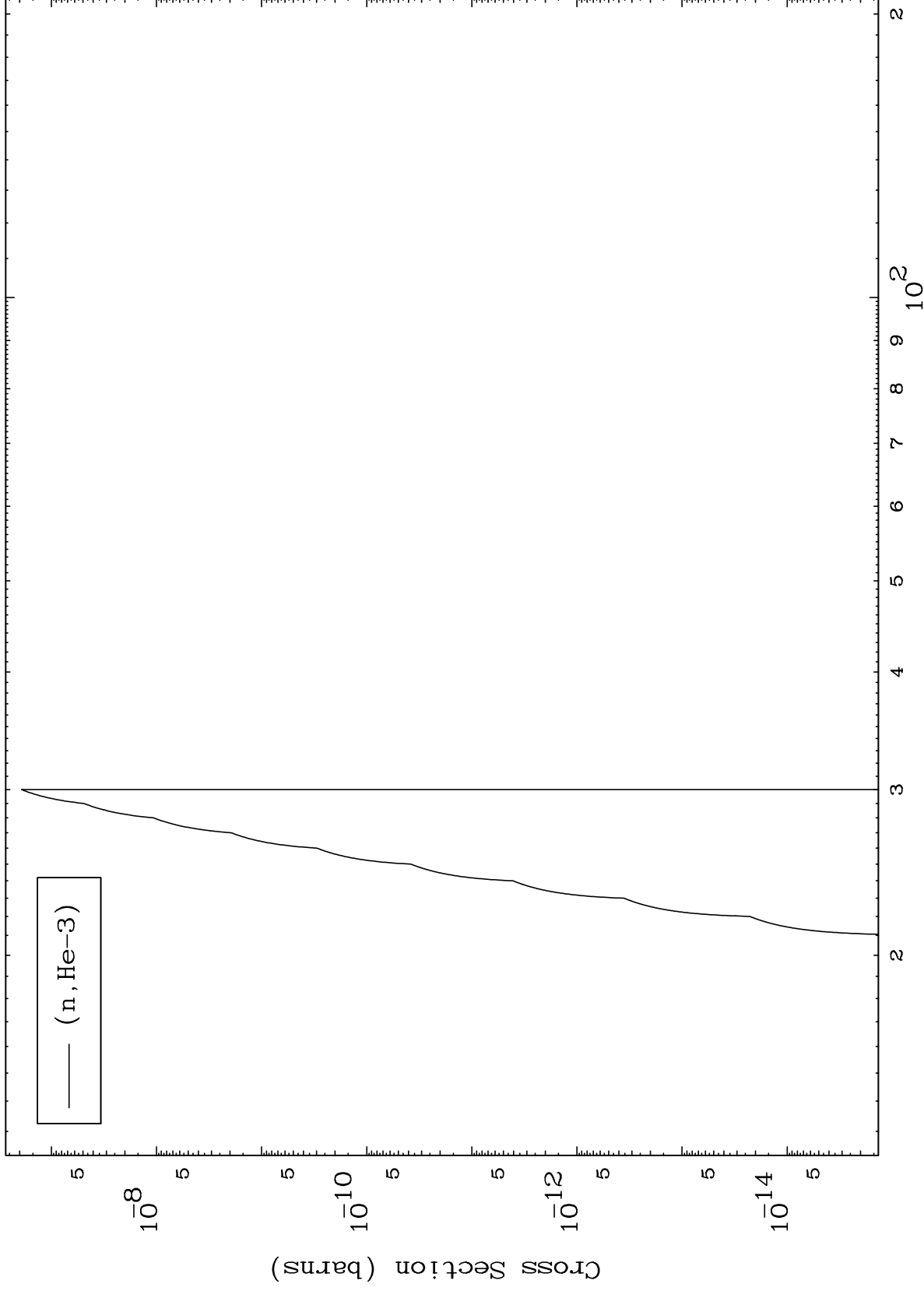
70-Yb-184

13

MAT 7073

(n,He3) Levels  
293 Kelvin Cross Sections

70-Yb-184



14

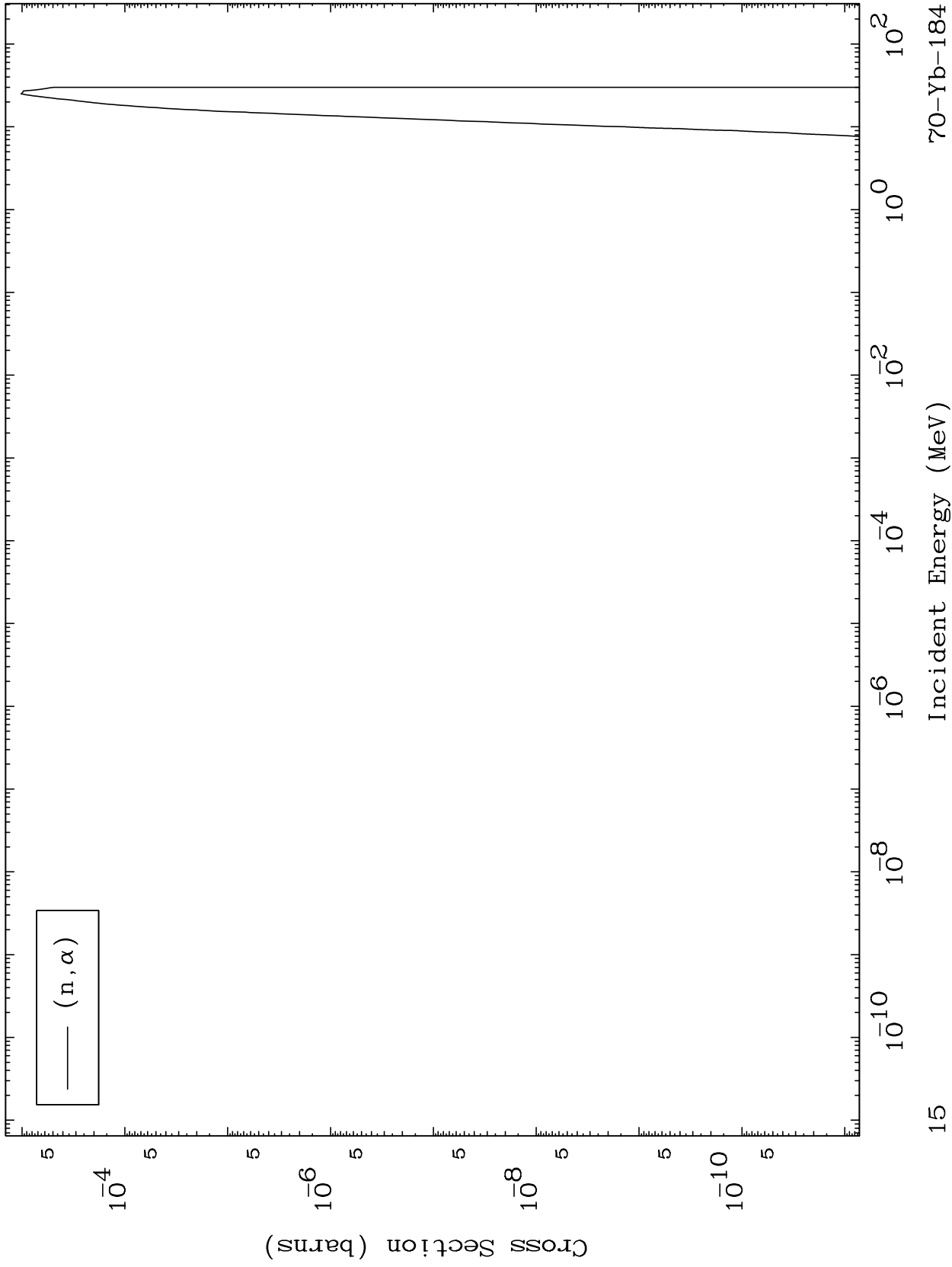
Incident Energy (MeV)

70-Yb-184

MAT 7073

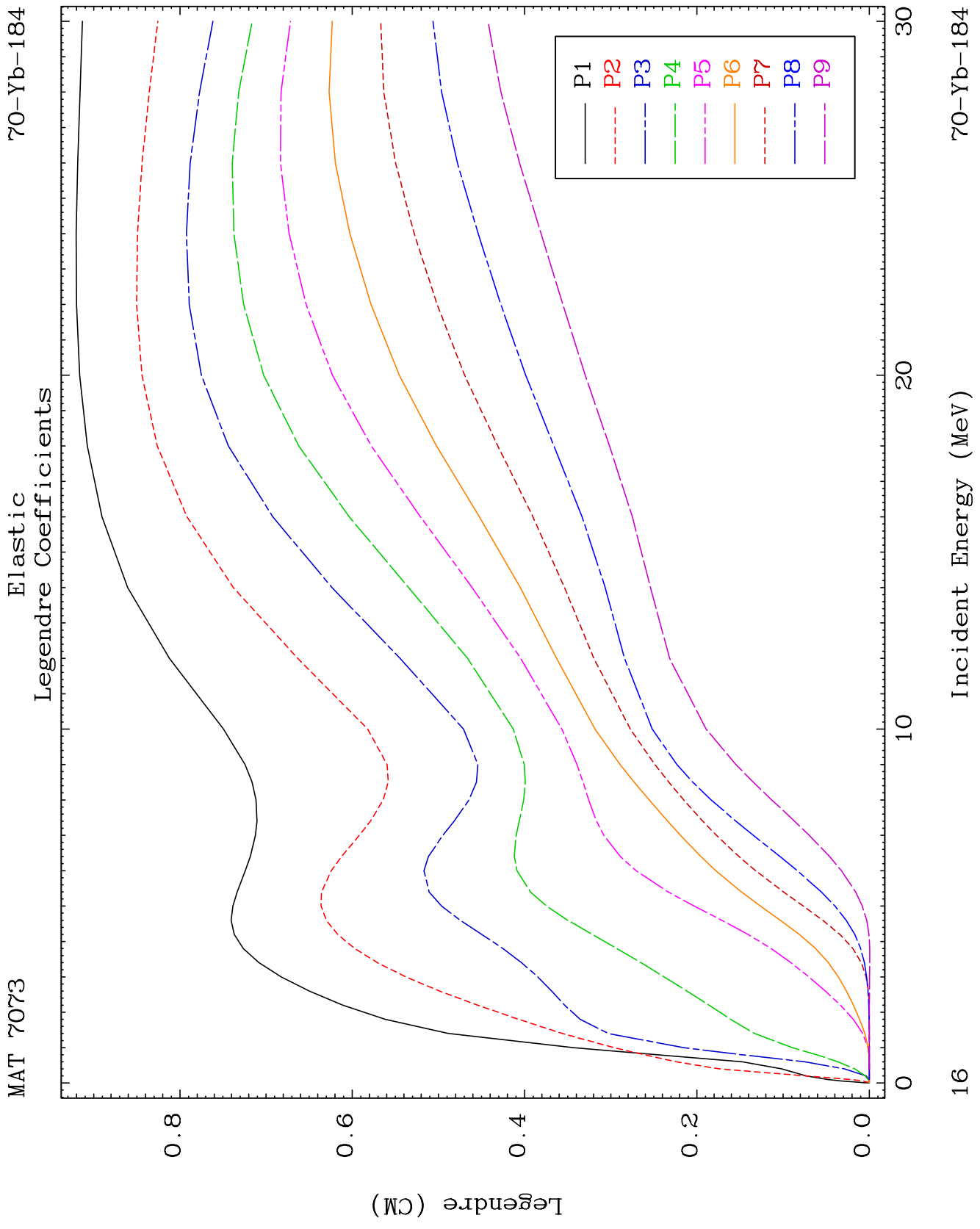
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

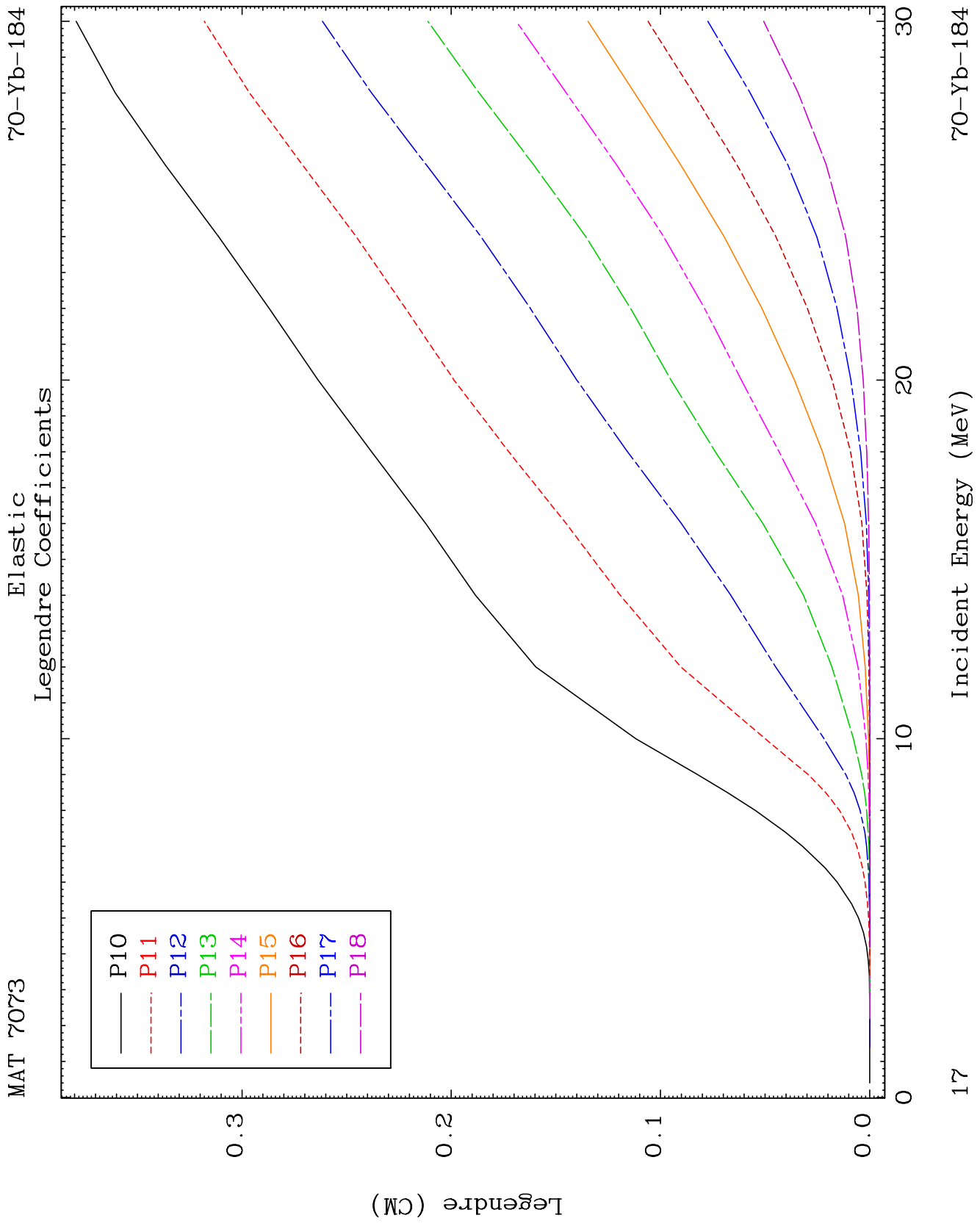
70-Yb-184



15



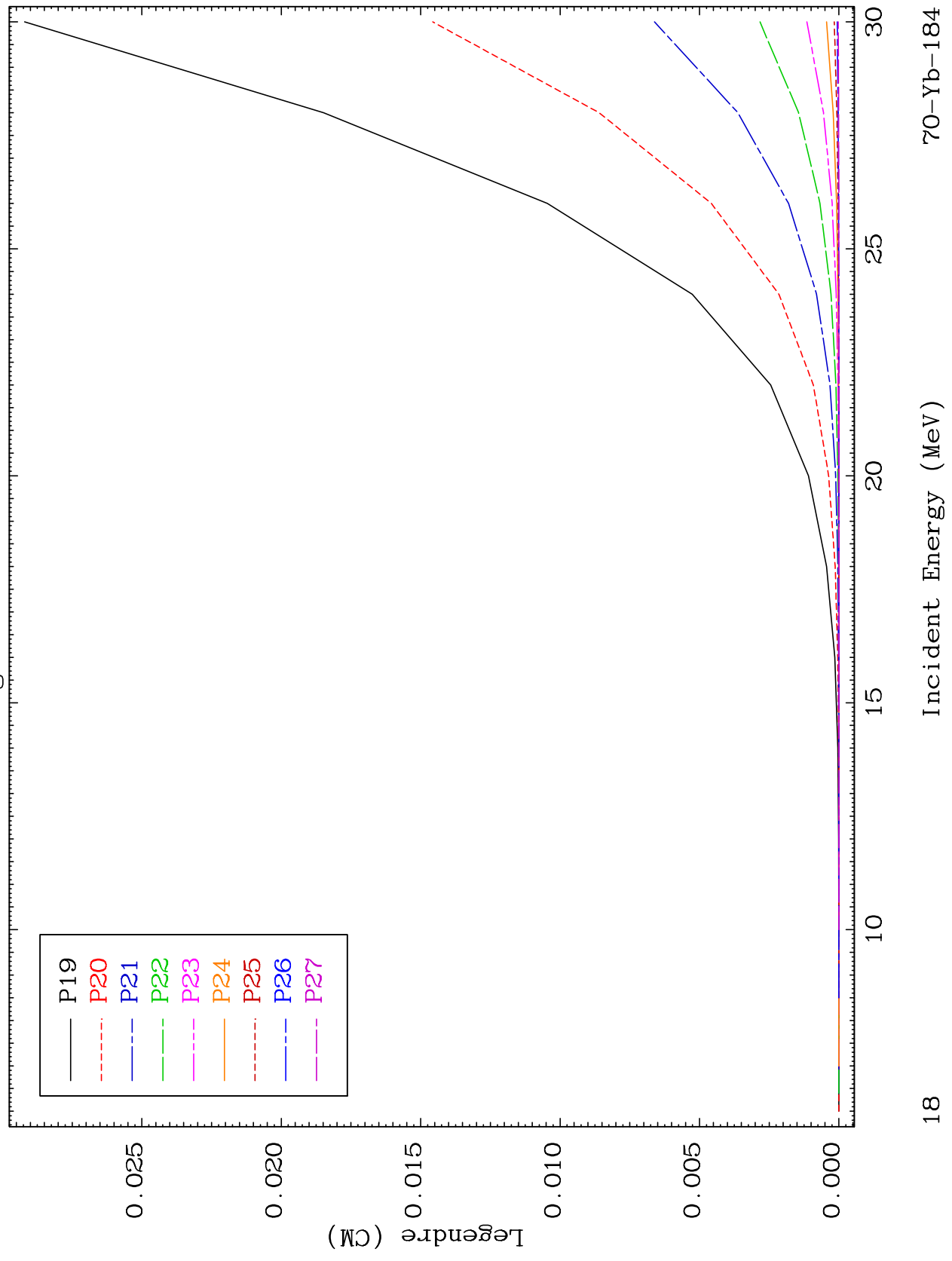




MAT 7073

### Elastic Legendre Coefficients

70-Yb-184



18

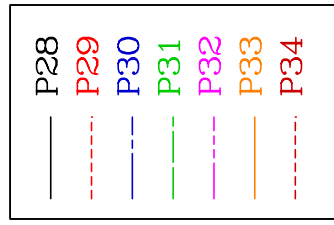
Incident Energy (MeV)

70-Yb-184

MAT 7073

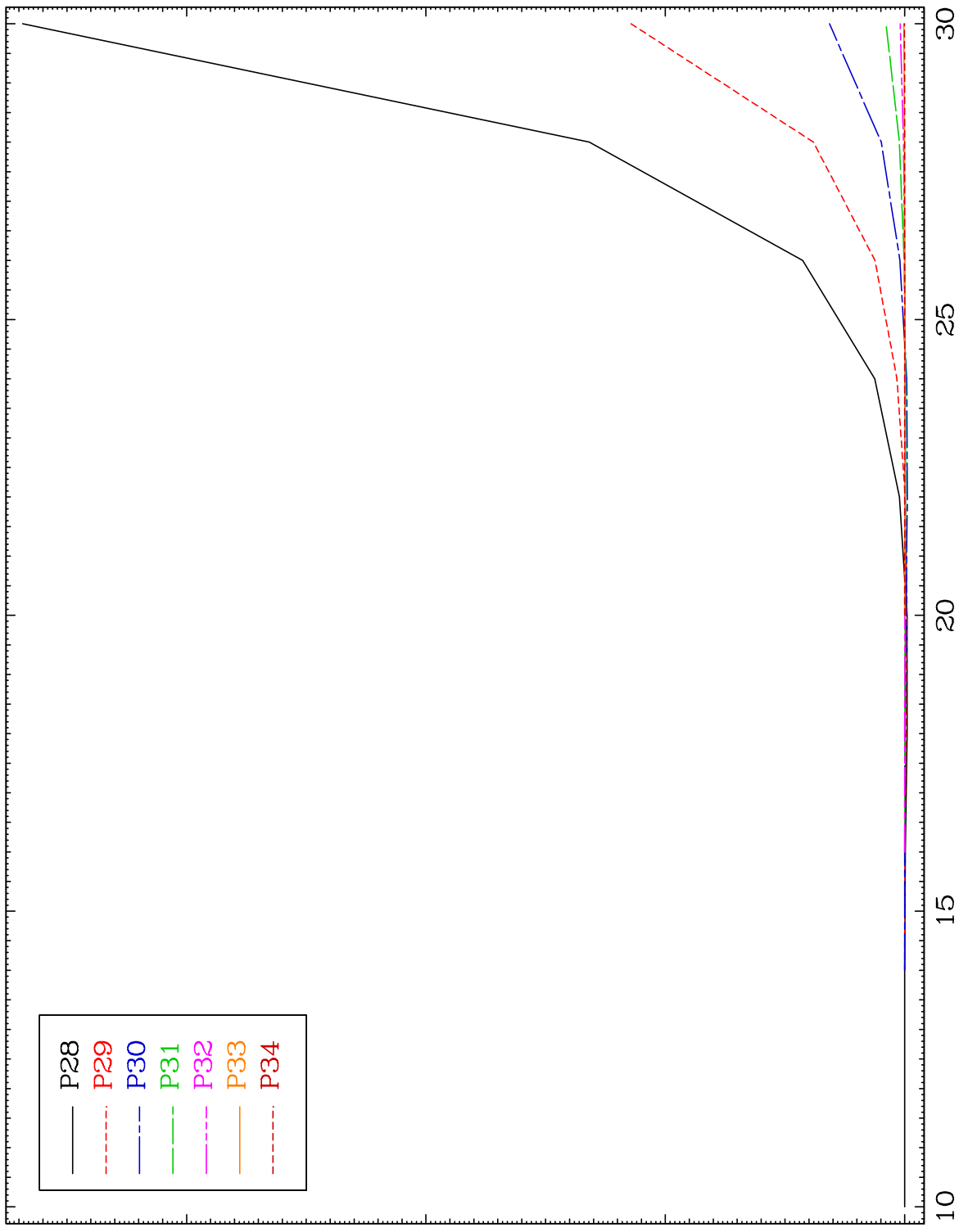
Elastic  
Legendre Coefficients

70-Yb-184



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

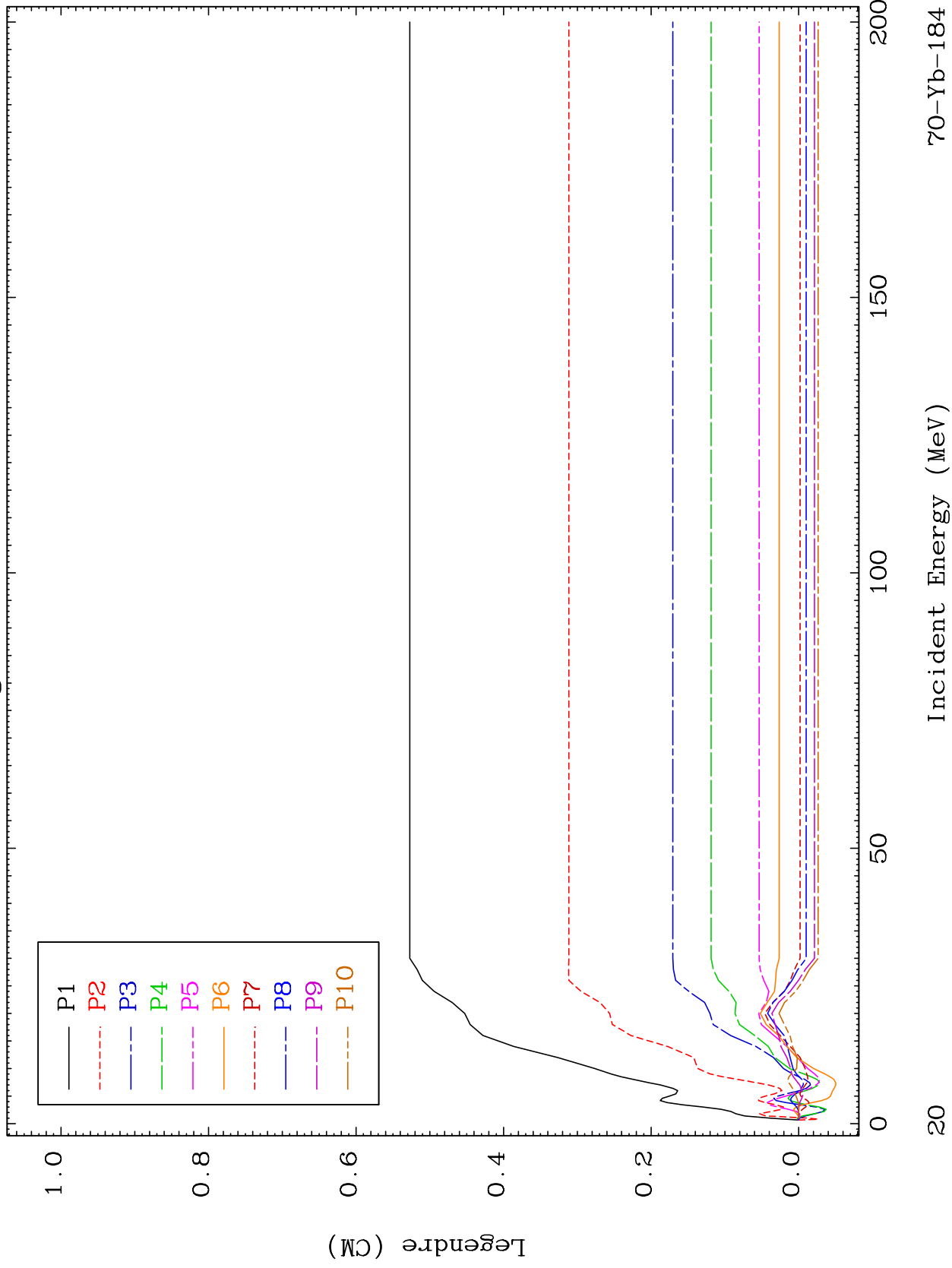
Incident Energy (MeV)

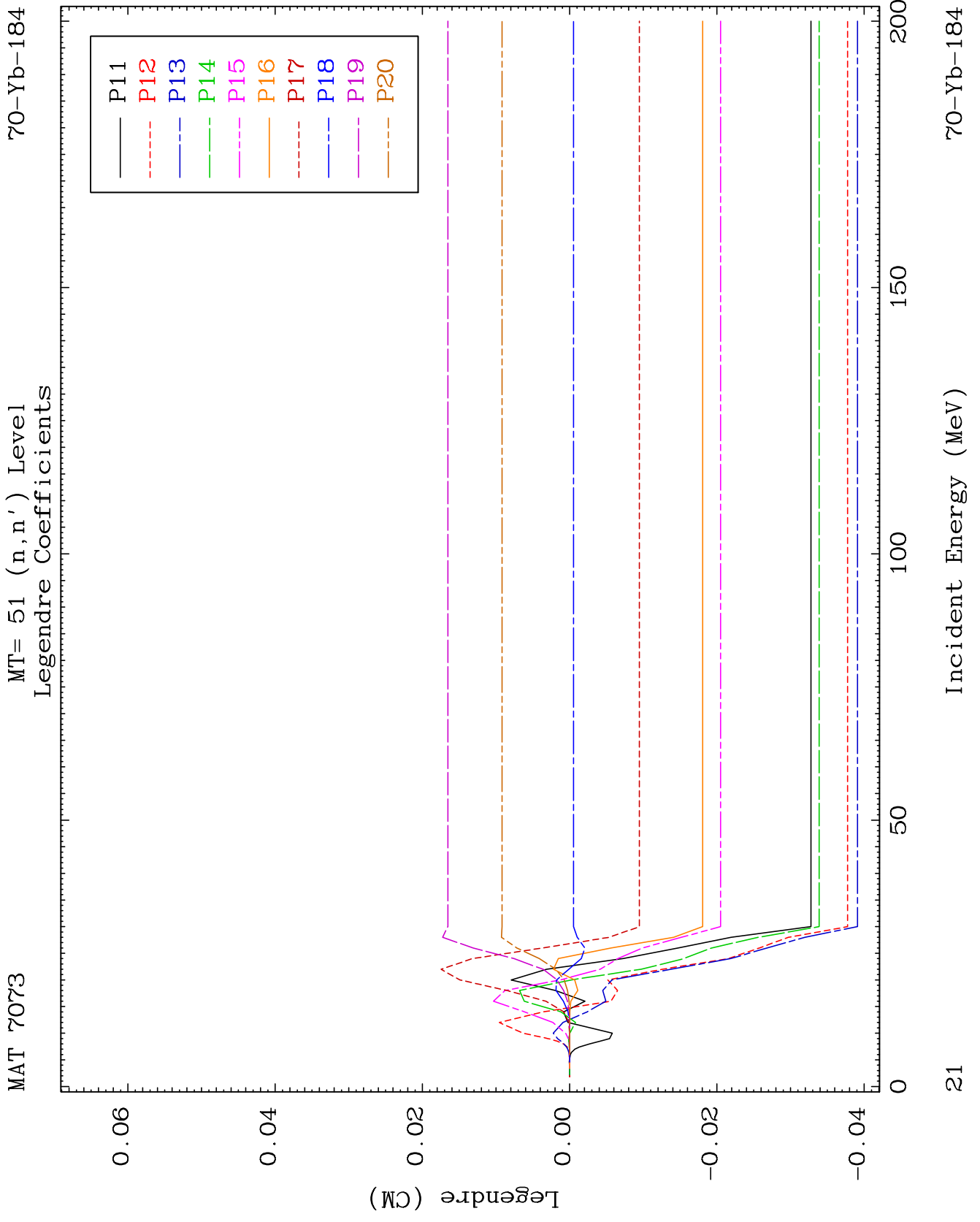
70-Yb-184

MAT 7073

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

70-Yb-184

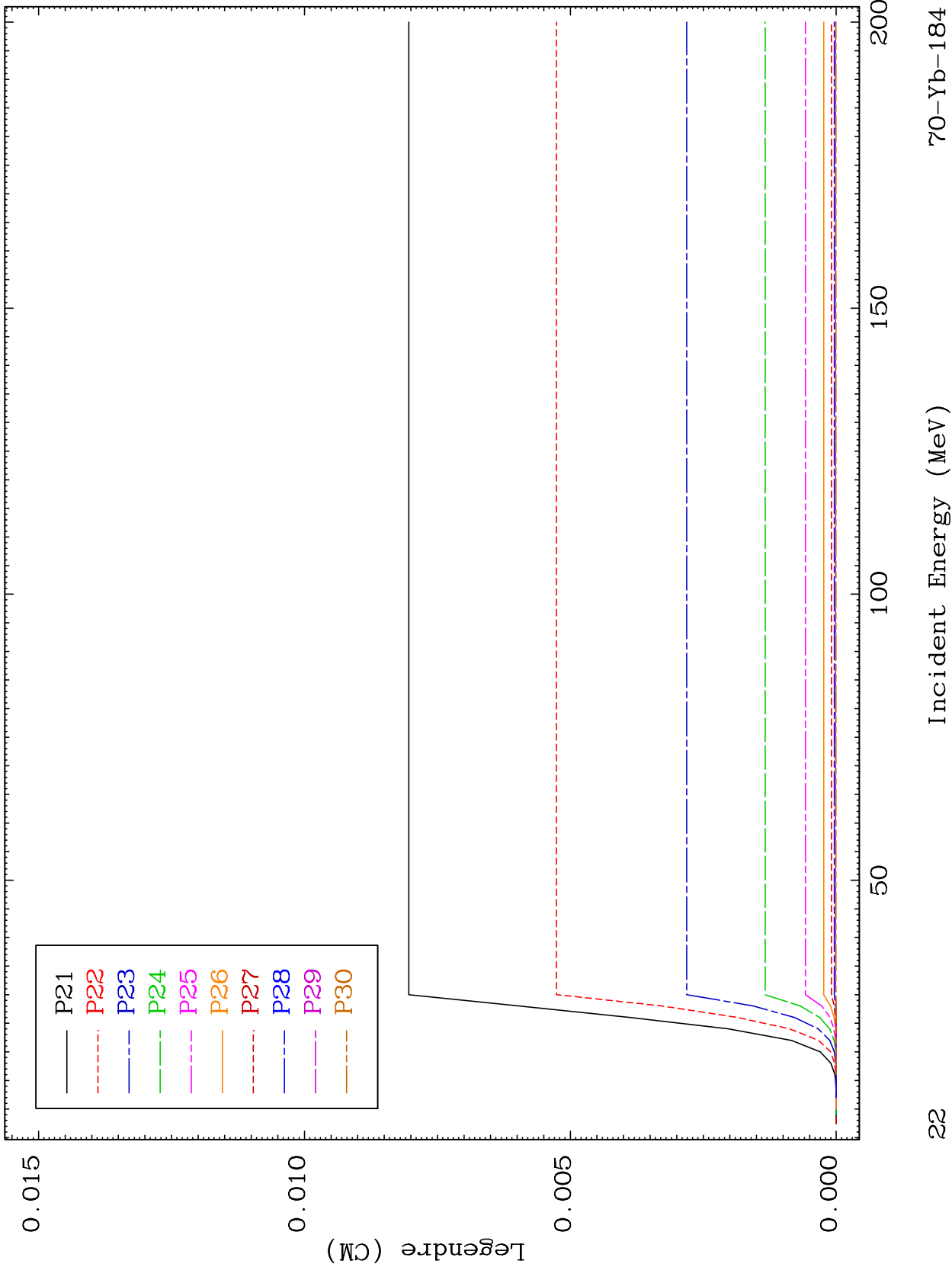




MAT 7073

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

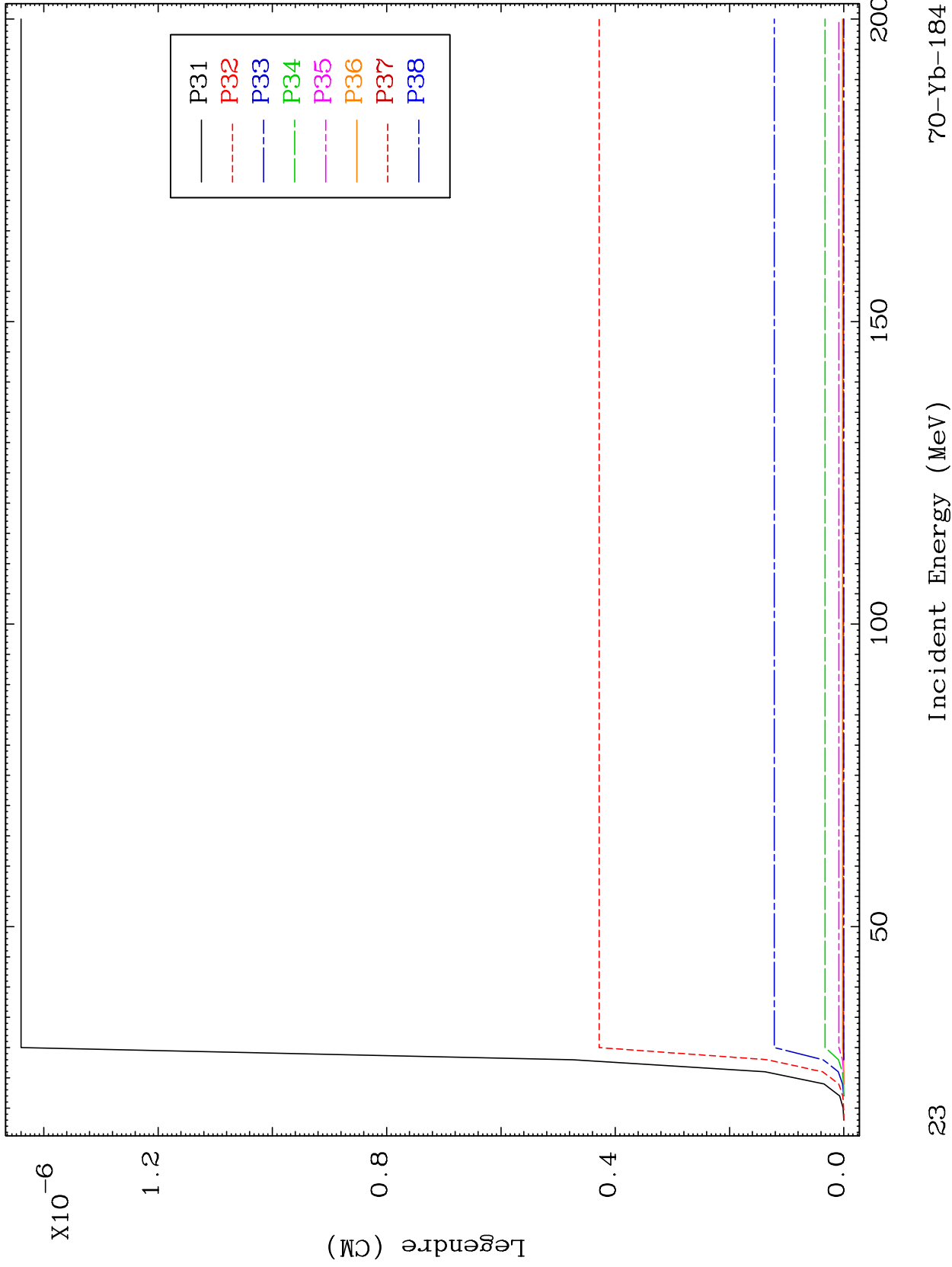
70-Yb-184



MAT 7073

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

70-Yb-184



23

Incident Energy (MeV)

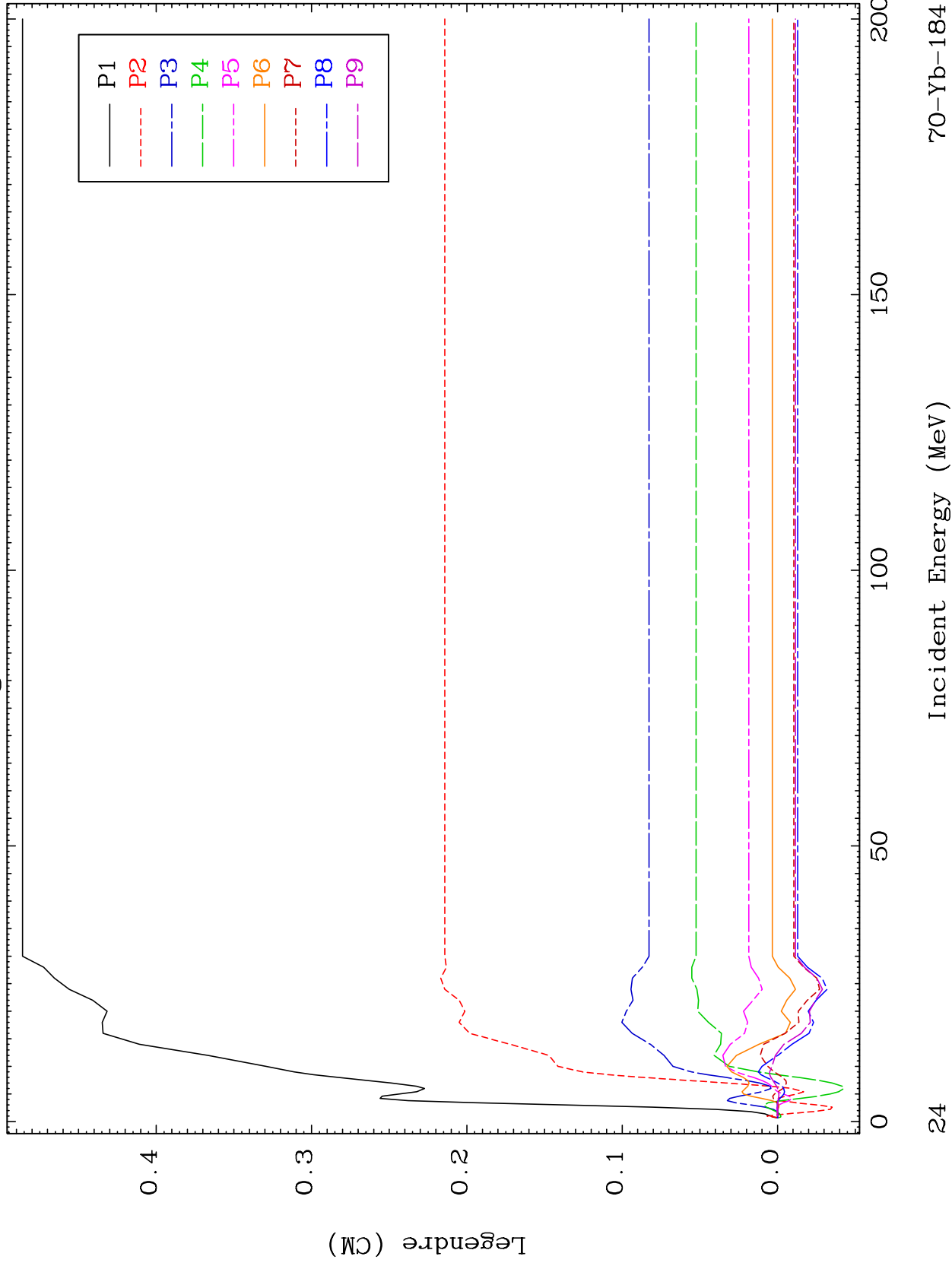
70-Yb-184



MAT 7073

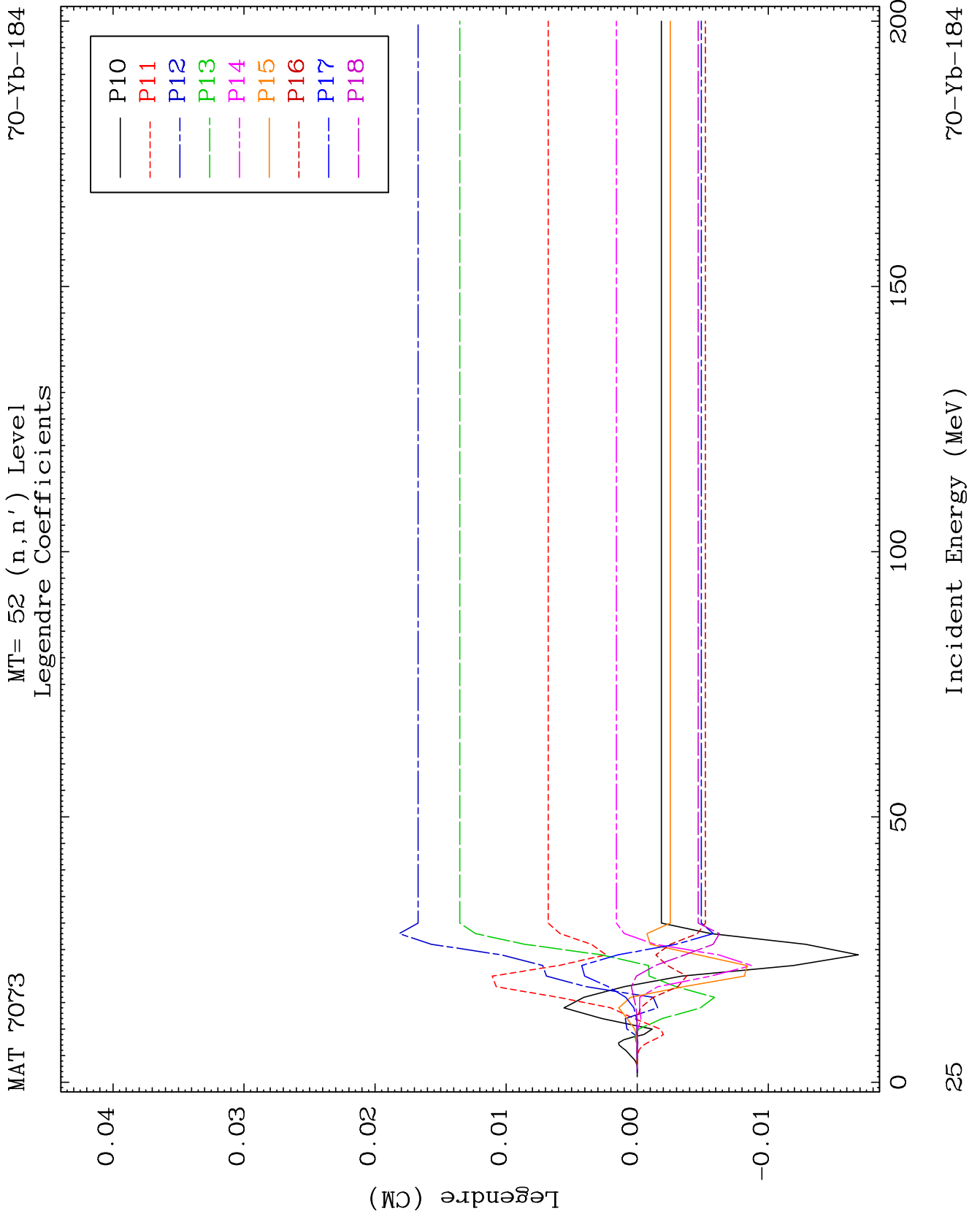
MT= 52 (n,n') Level  
Legendre Coefficients

70-Yb-184



24

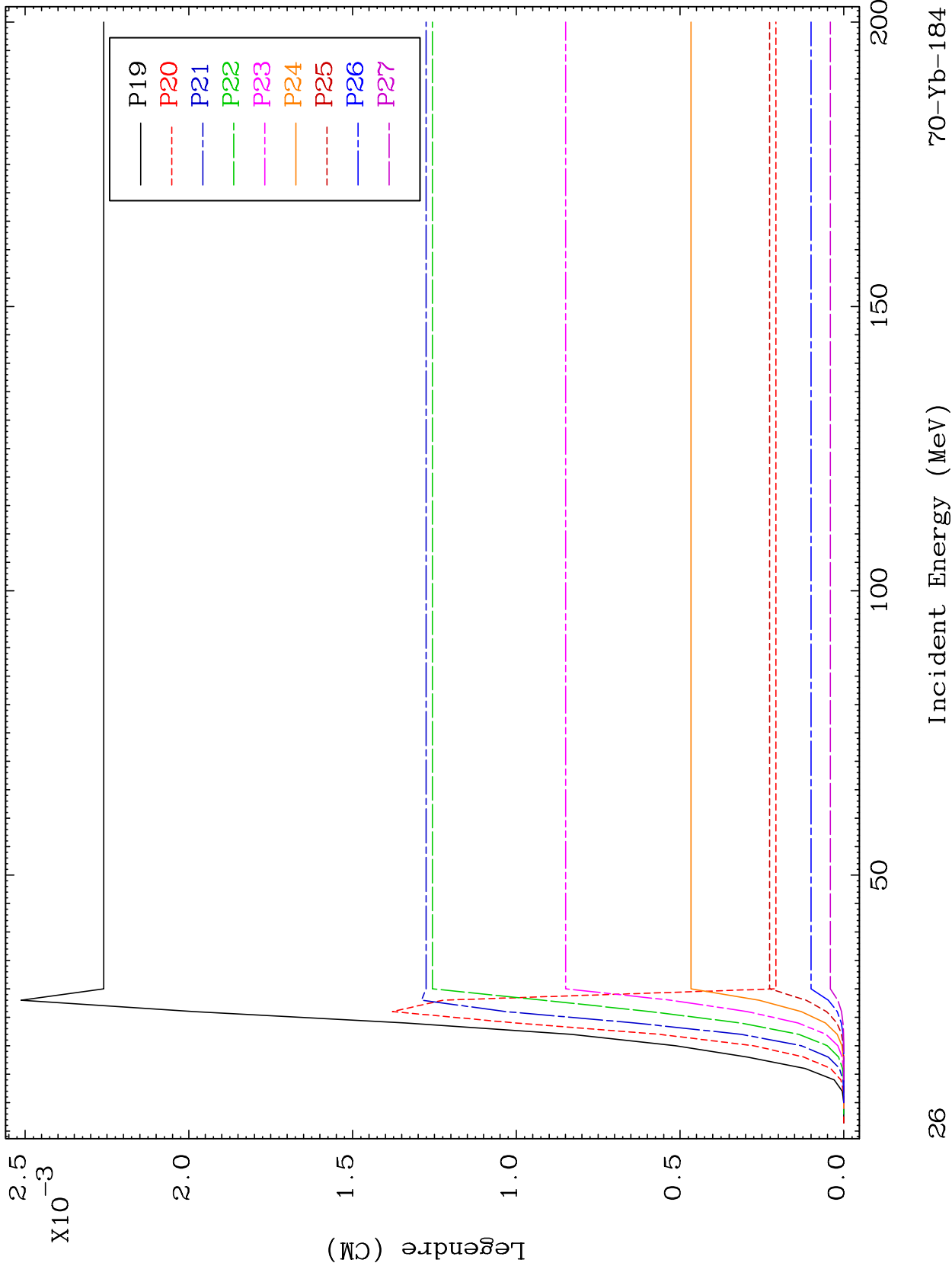
70-Yb-184



MAT 7073

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

70-Yb-184



26

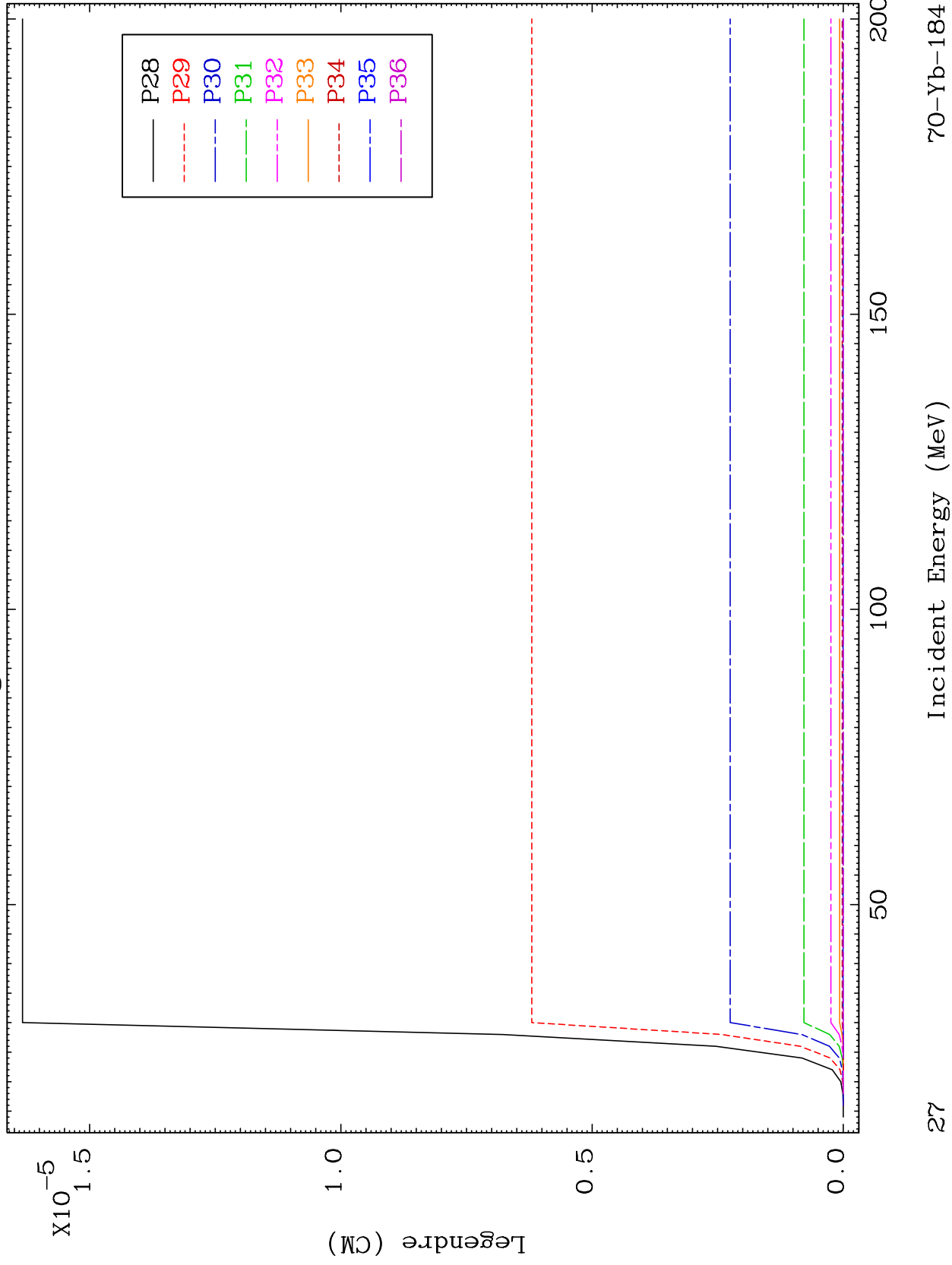
Incident Energy (MeV)

70-Yb-184

MAT 7073

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

70-Yb-184



27

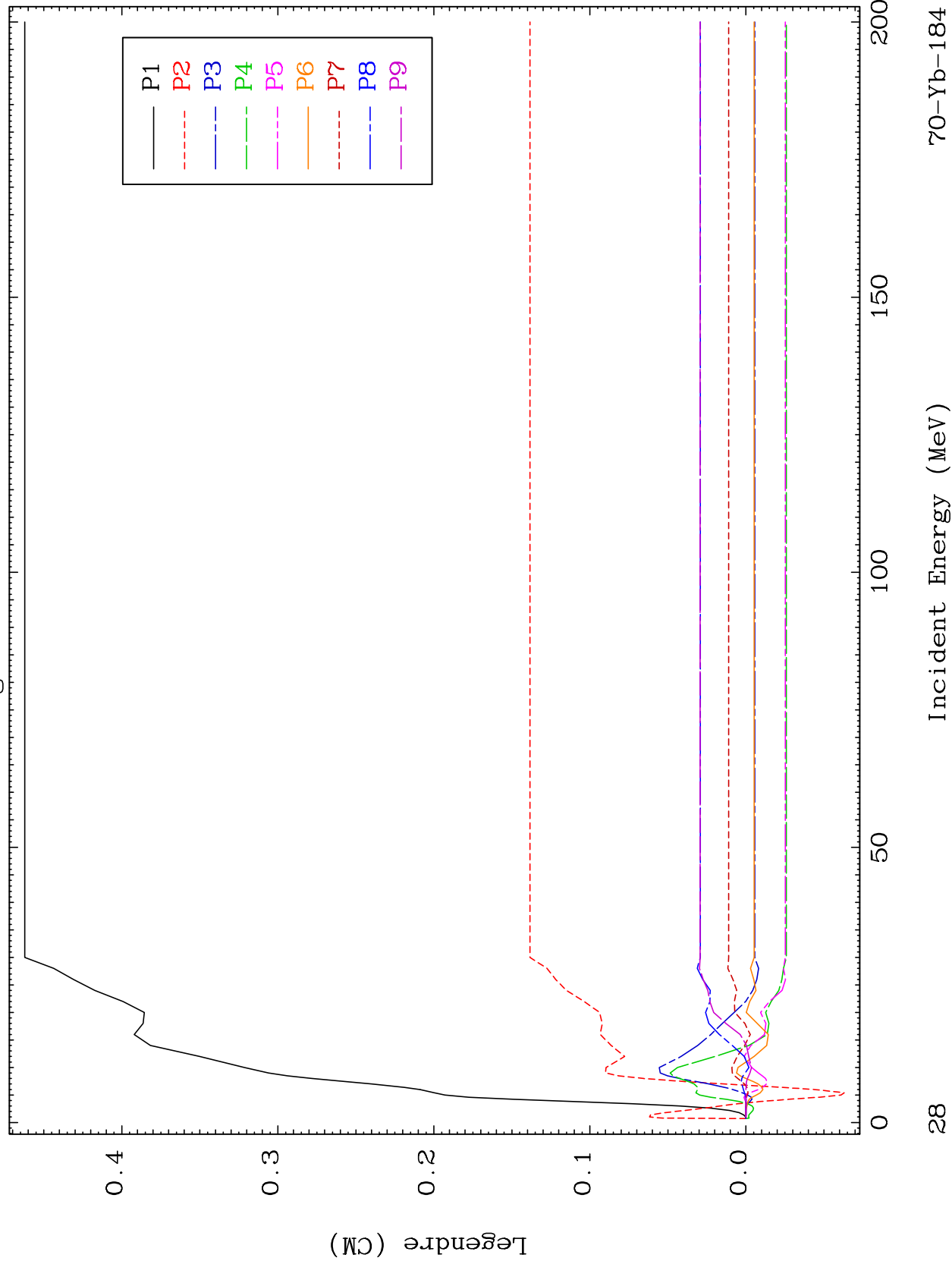
Incident Energy (MeV)

70-Yb-184

MAT 7073

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

70-Yb-184



28

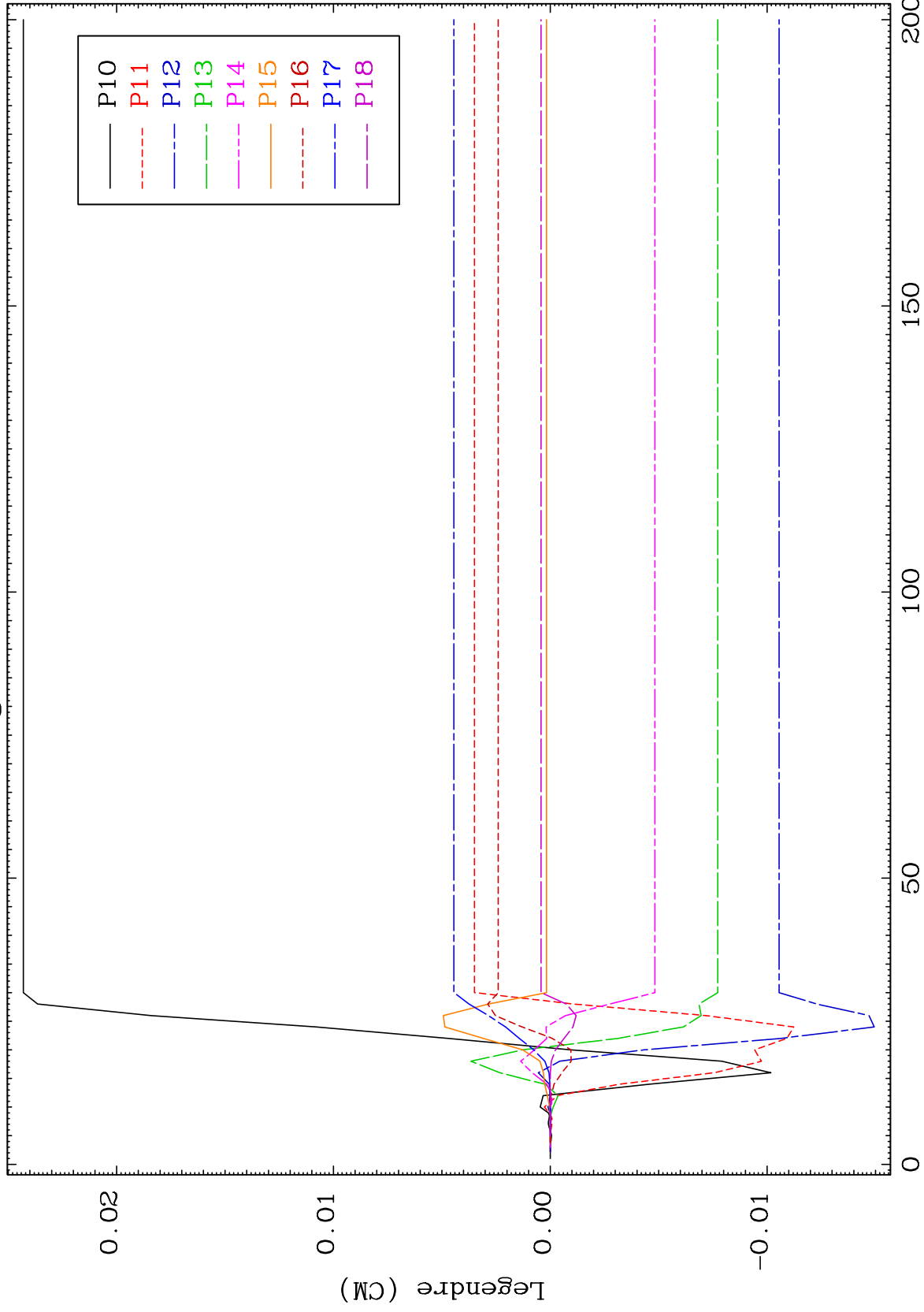
Incident Energy (MeV)

70-Yb-184

MAT 7073

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

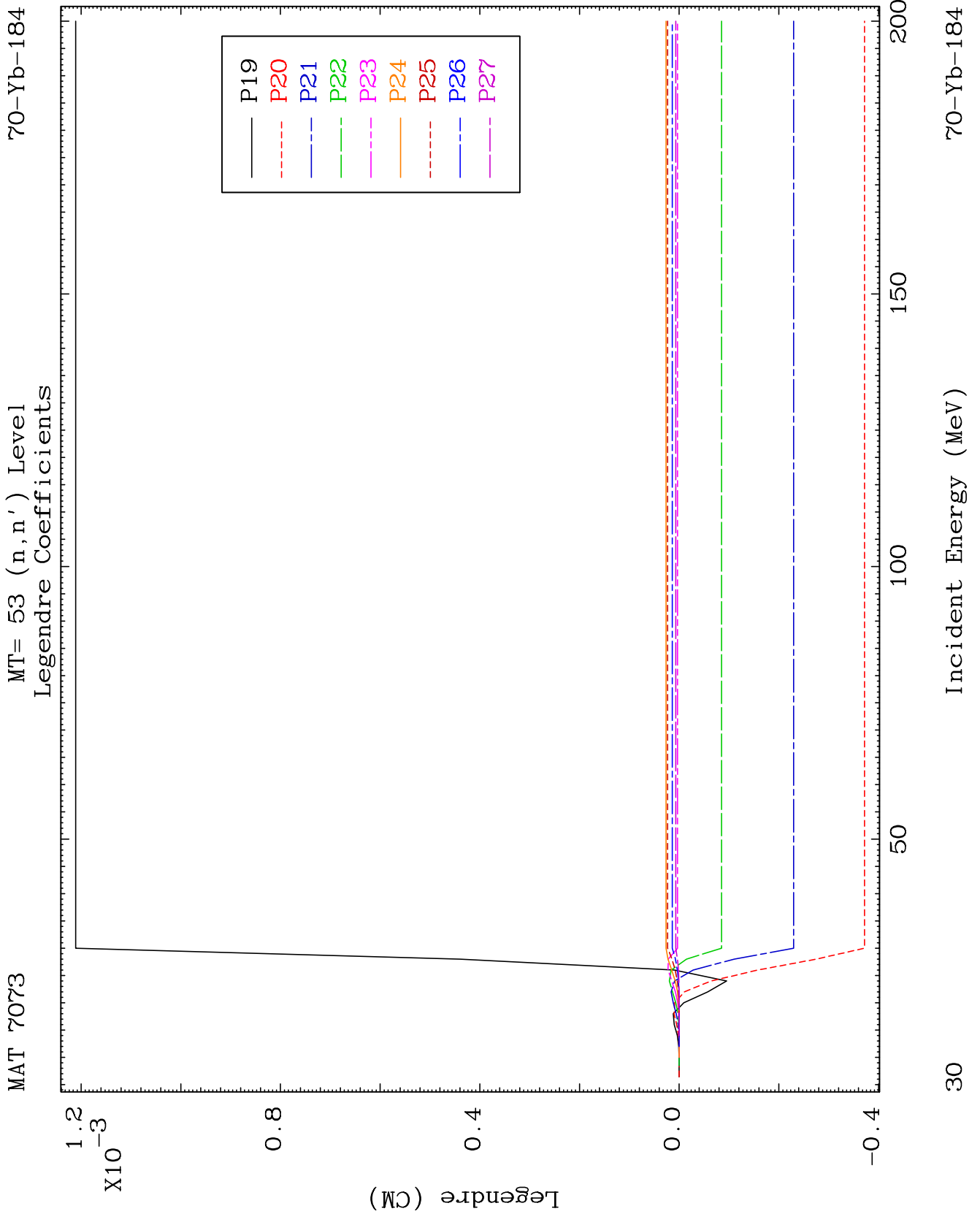
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29

Incident Energy (MeV)

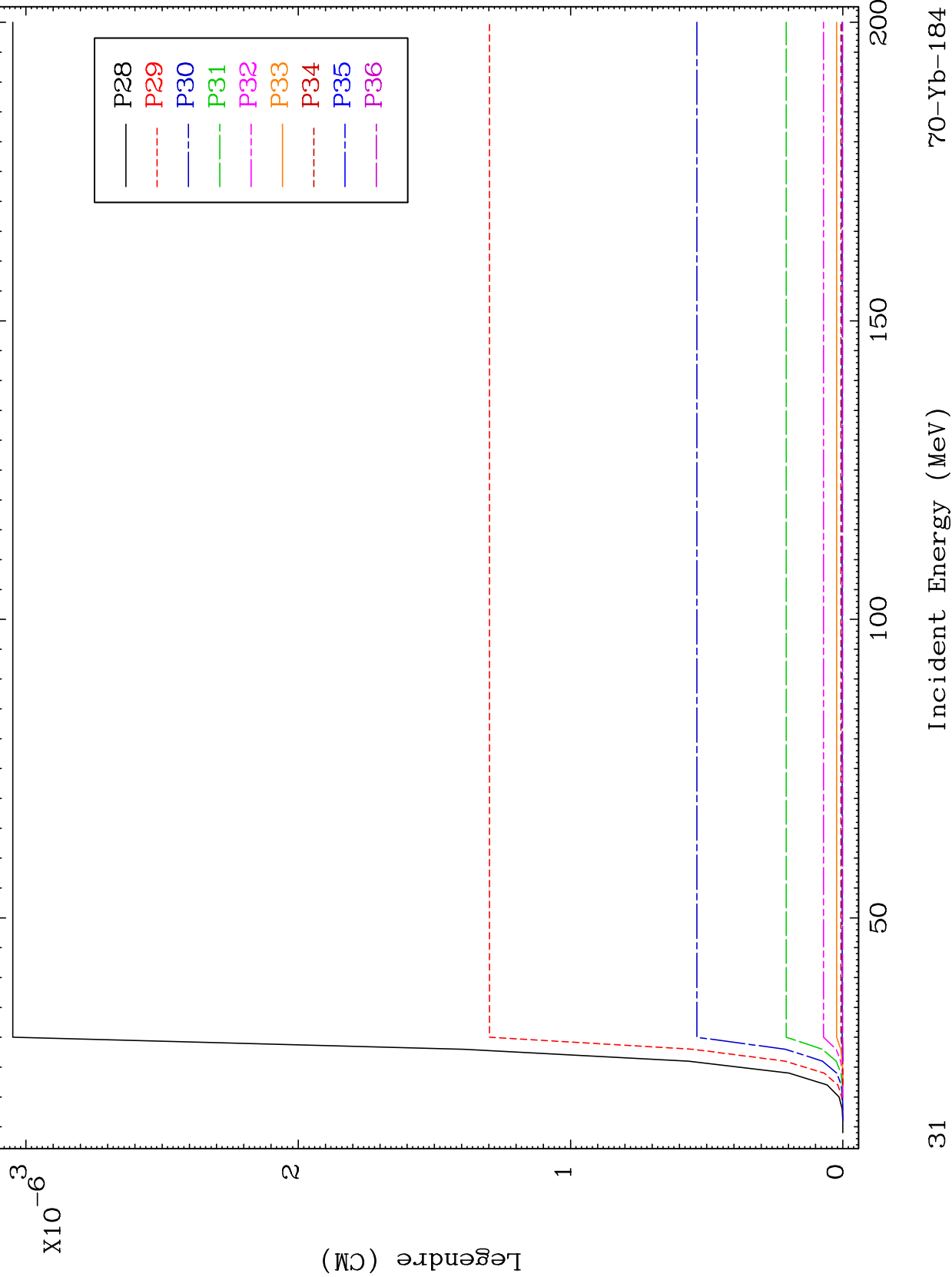
70-Yb-184



MAT 7073

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

70-Yb-184



31

Incident Energy (MeV)

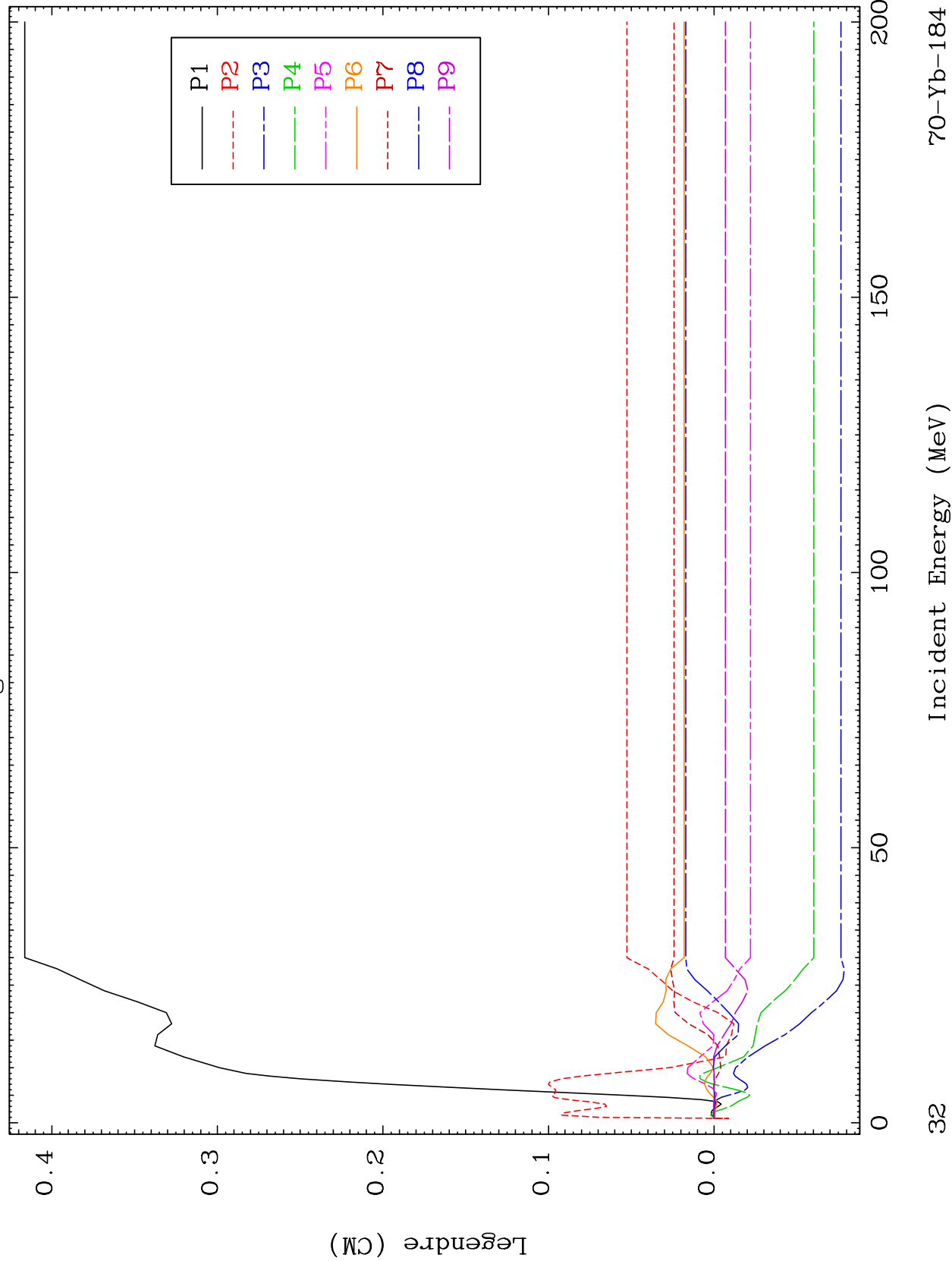
70-Yb-184



MAT 7073

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

70-Yb-184



32

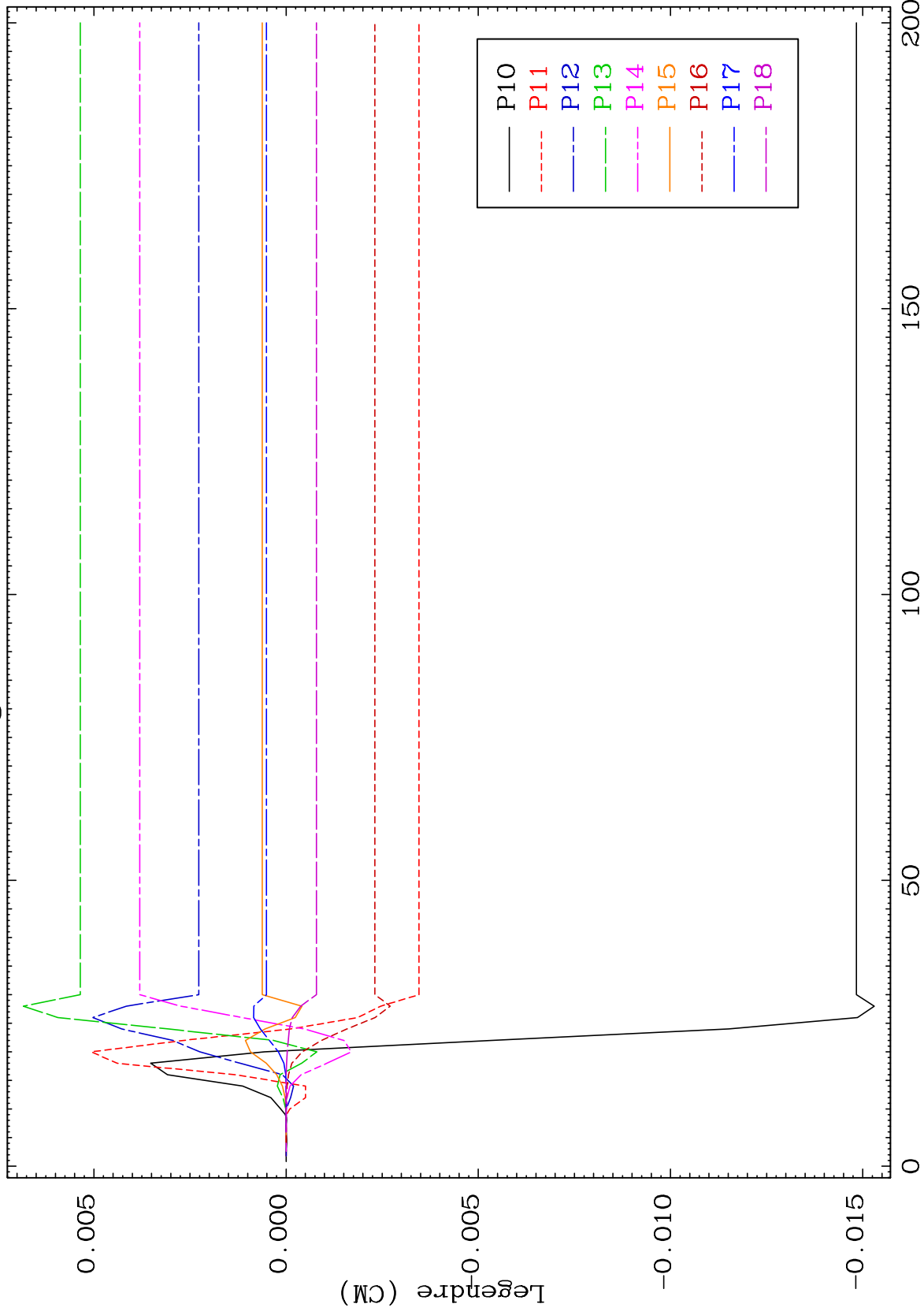
Incident Energy (MeV)

70-Yb-184

MAT 7073

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

70-Yb-184



33

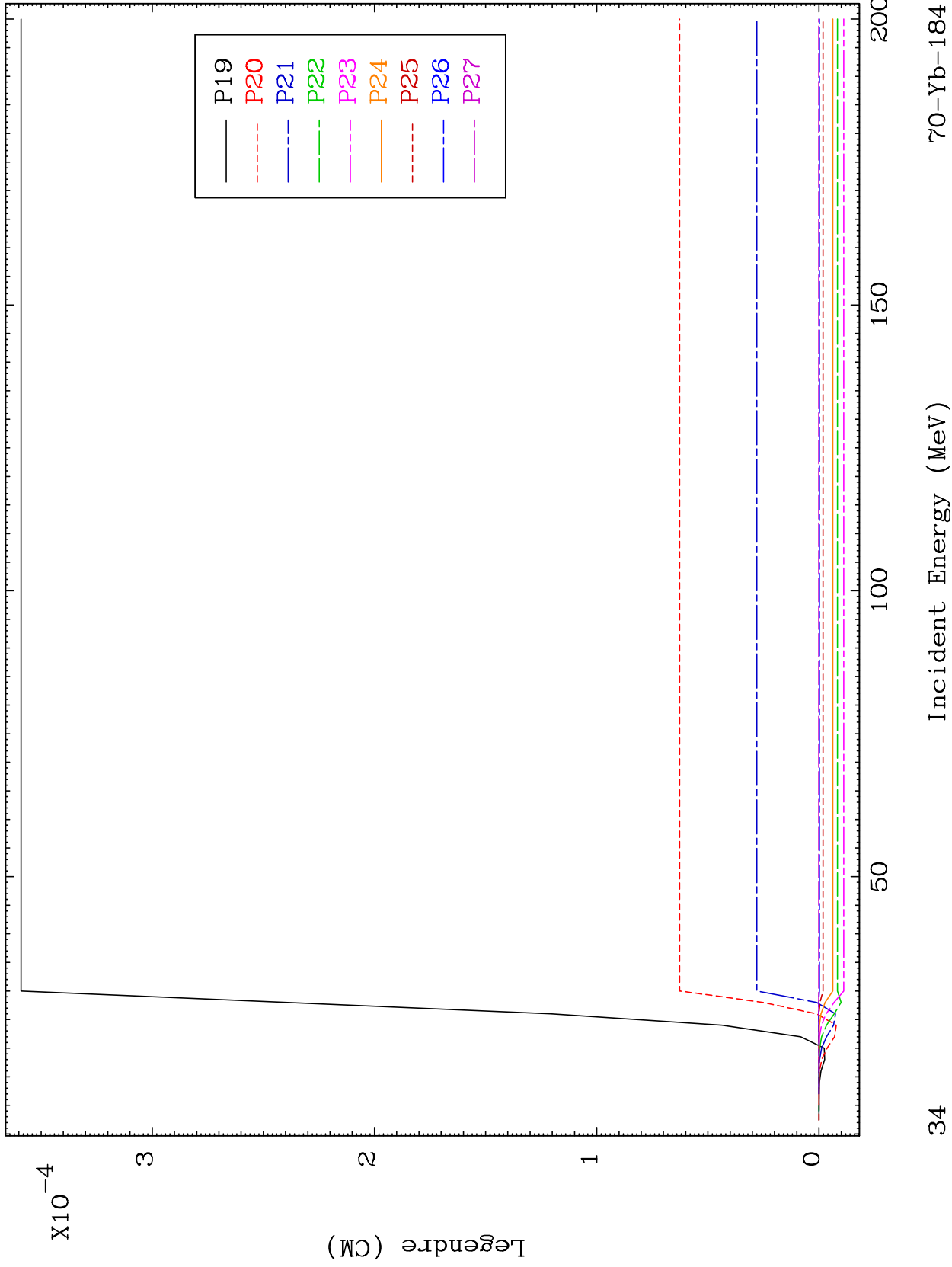
Incident Energy (MeV)

70-Yb-184

MAT 7073

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

70-Yb-184



34

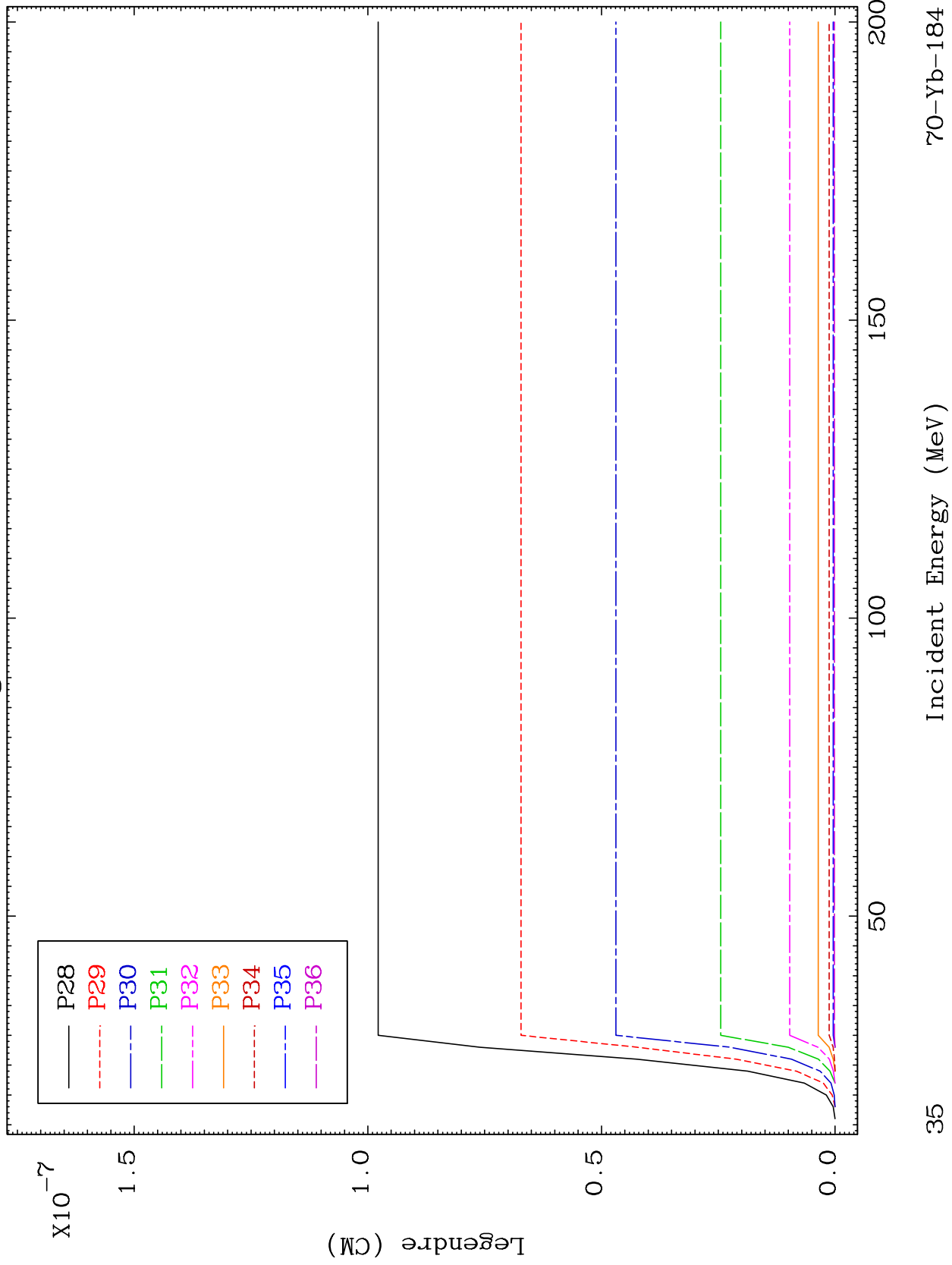
Incident Energy (MeV)

70-Yb-184

MAT 7073

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

70-Yb-184



35

Incident Energy (MeV)

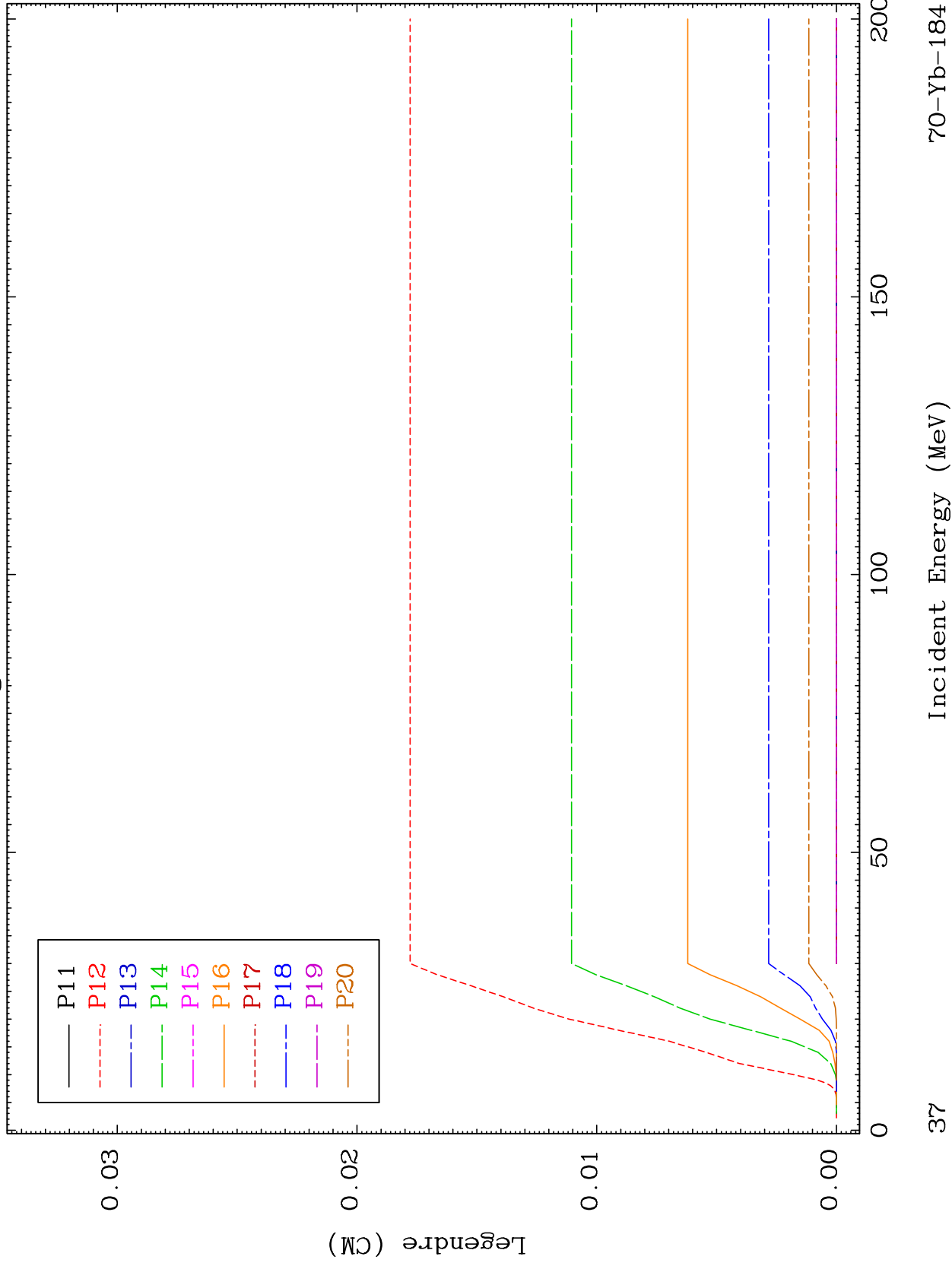
70-Yb-184



MAT 7073

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

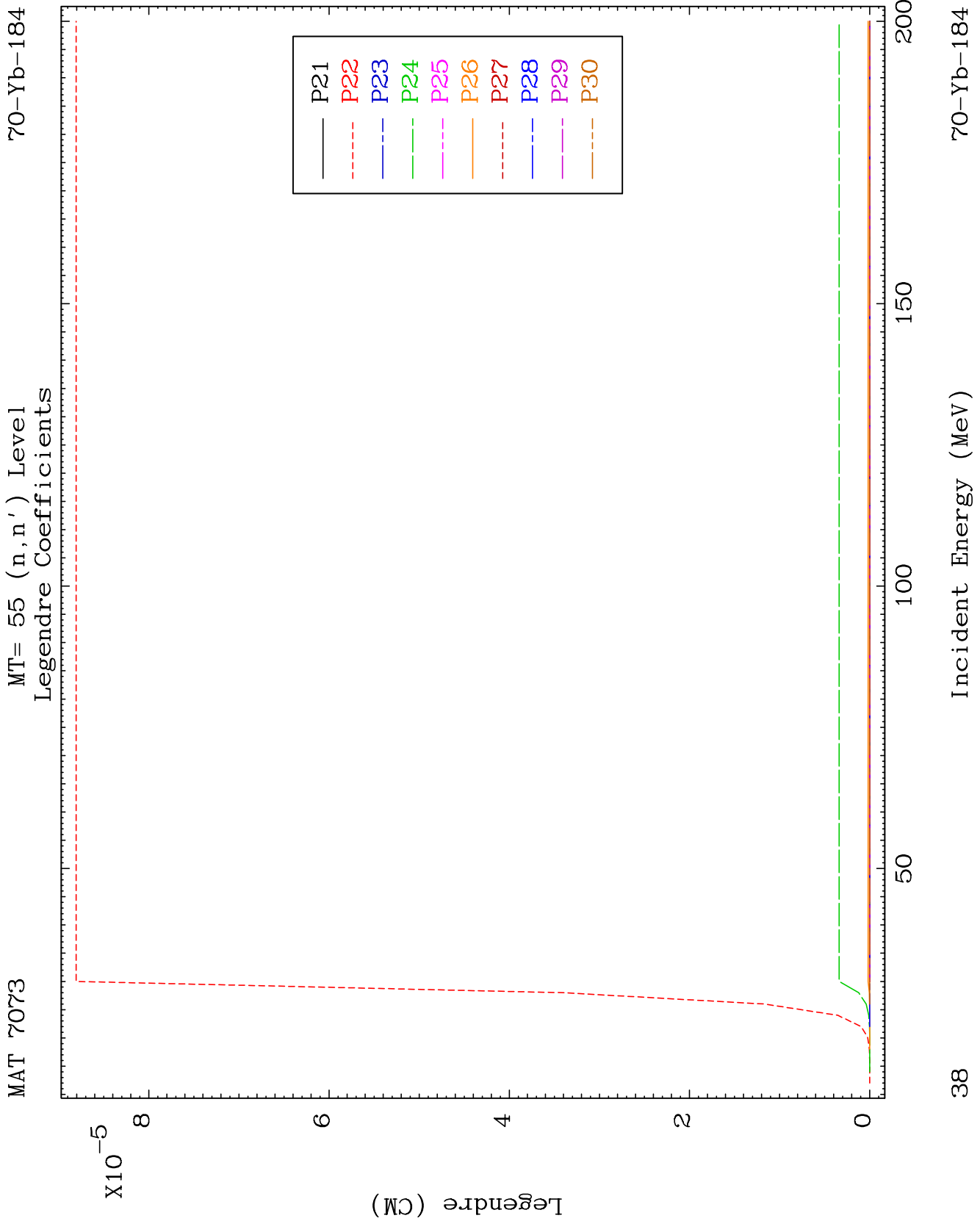
70-Yb-184



37

Incident Energy (MeV)

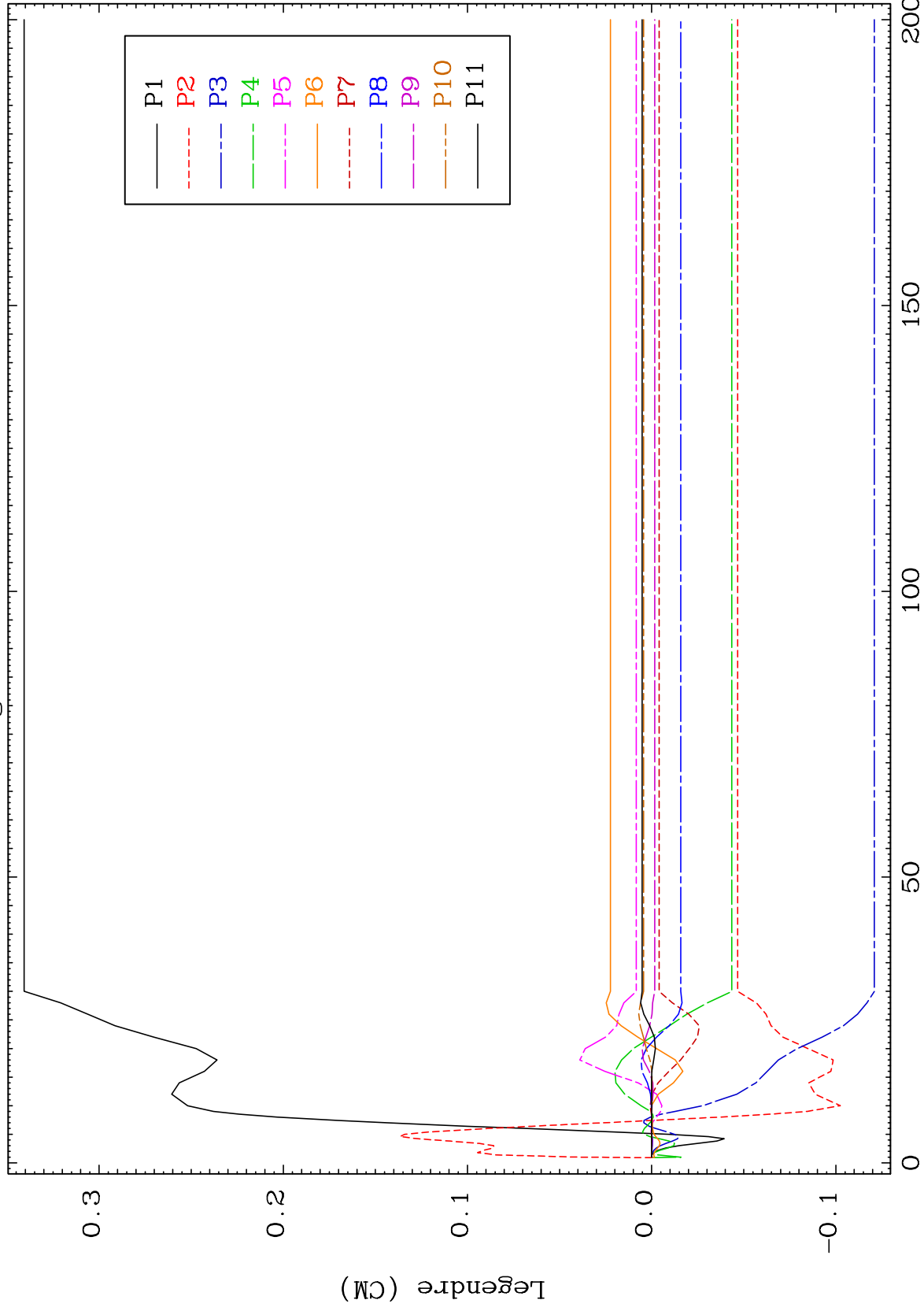
70-Yb-184



MAT 7073

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

70-Yb-184



39

Incident Energy (MeV)

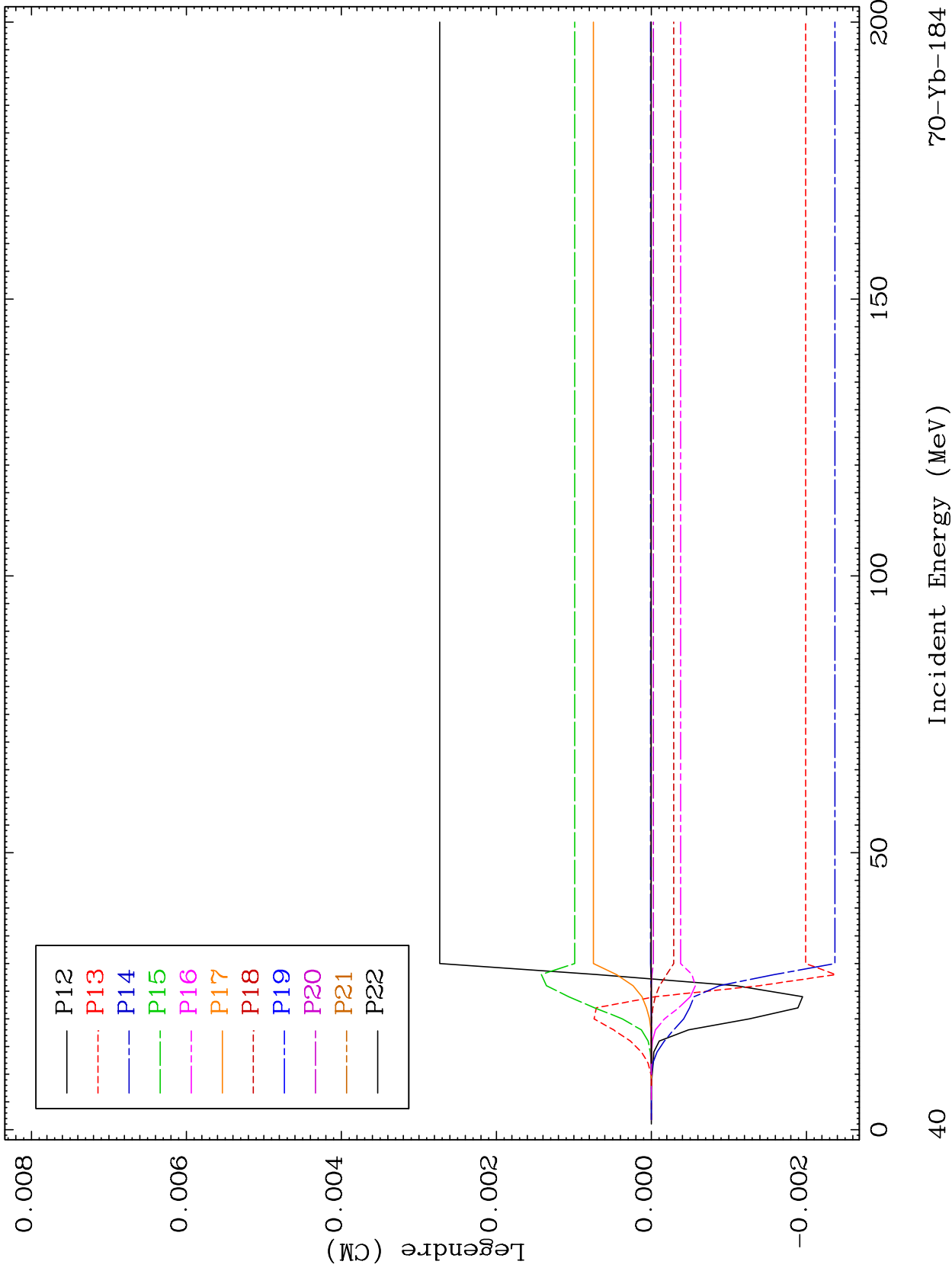
70-Yb-184



MAT 7073

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

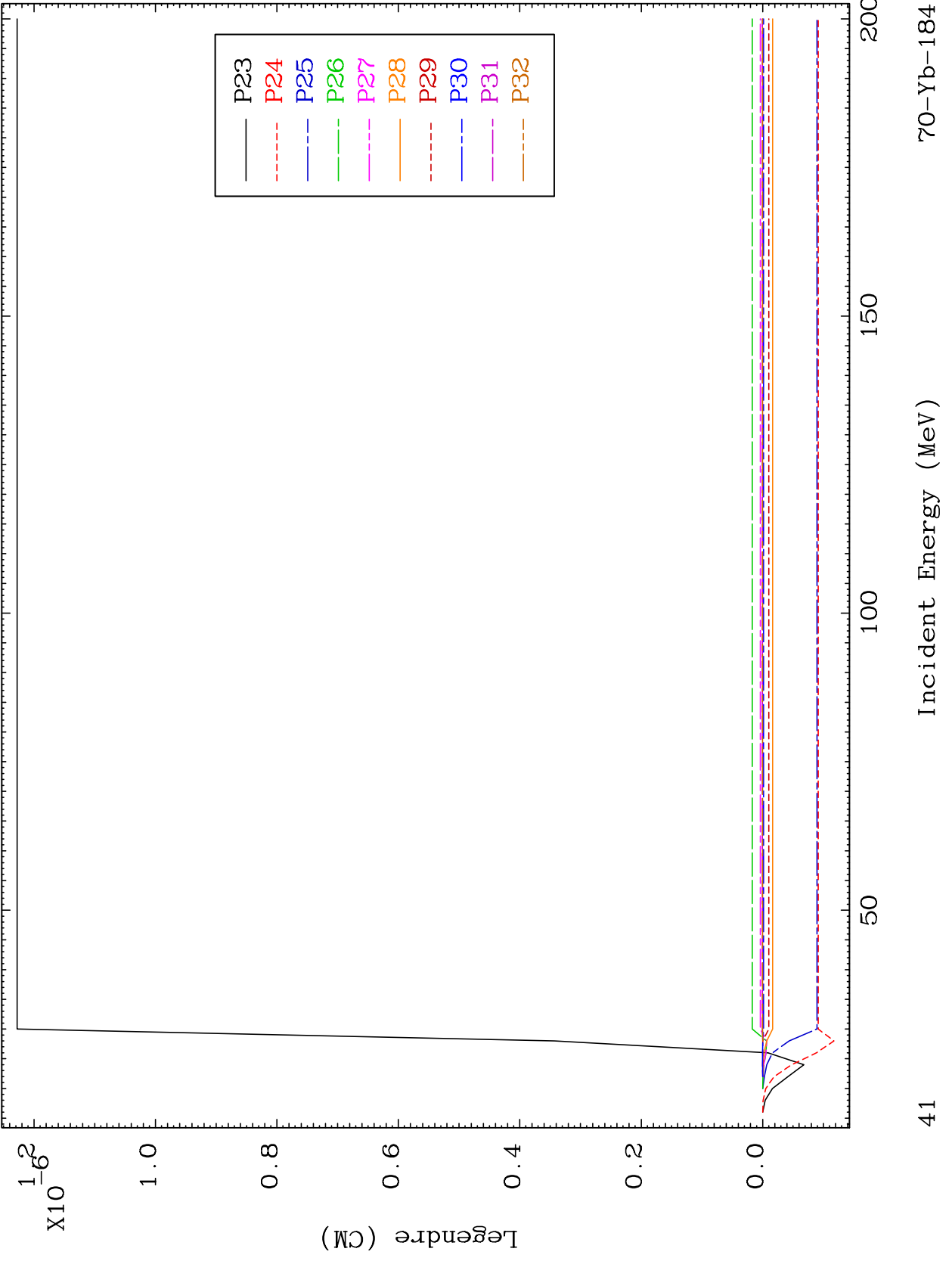
70-Yb-184



MAT 7073

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

70-Yb-184



41

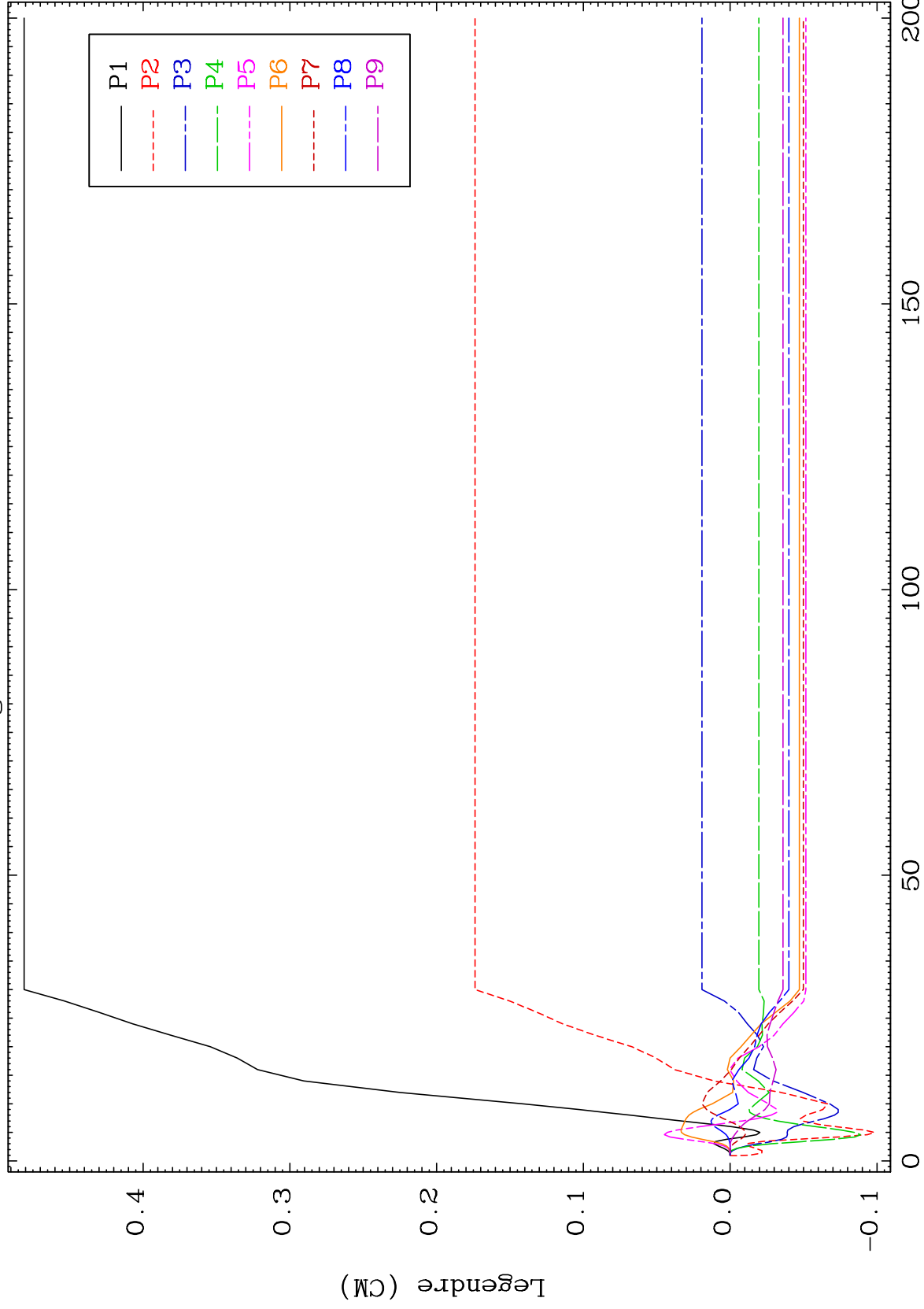
Incident Energy (MeV)

70-Yb-184

MAT 7073

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

70-Yb-184



70-Yb-184

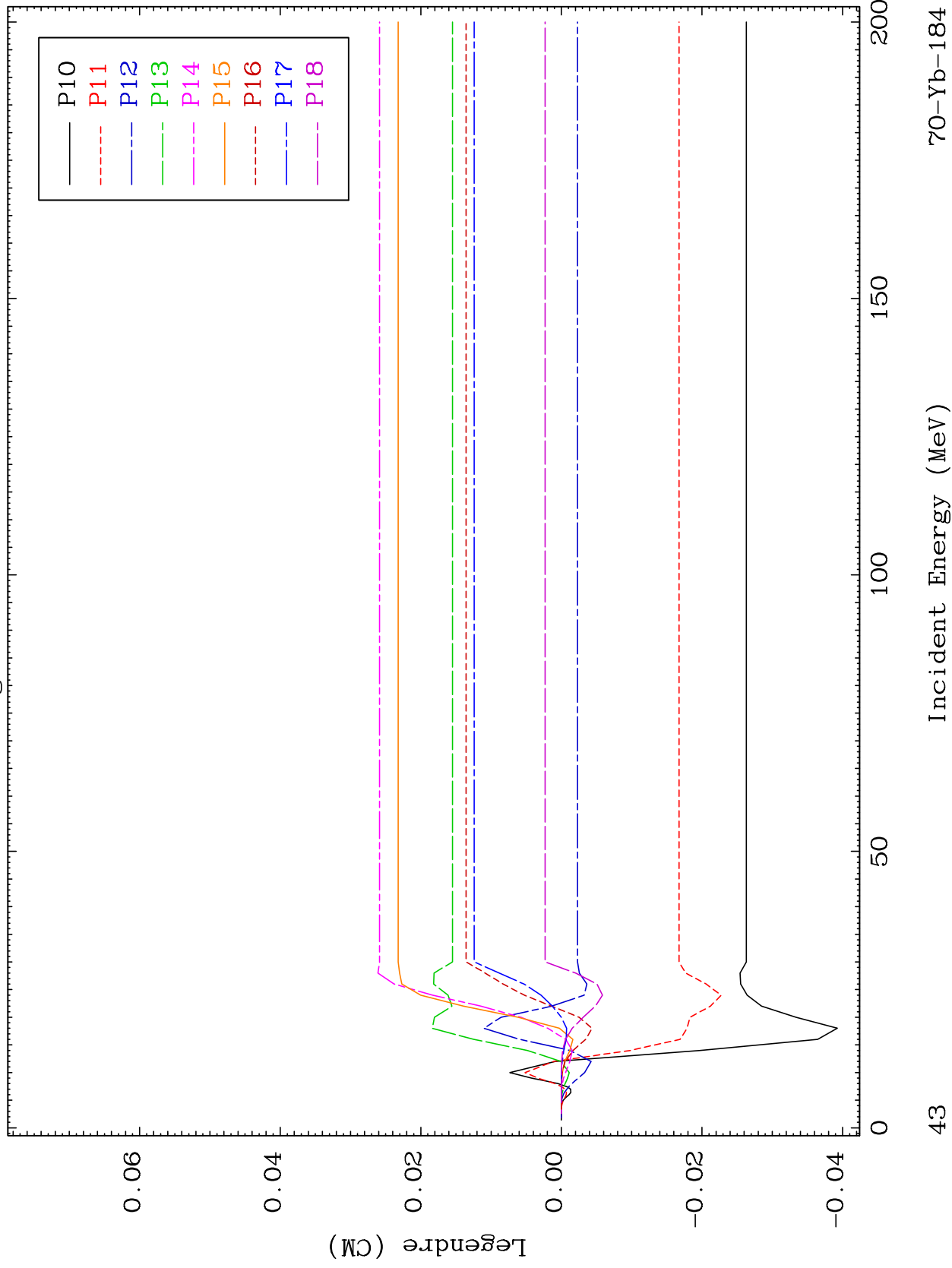
Incident Energy (MeV)

42

MAT 7073

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

70-Yb-184



43

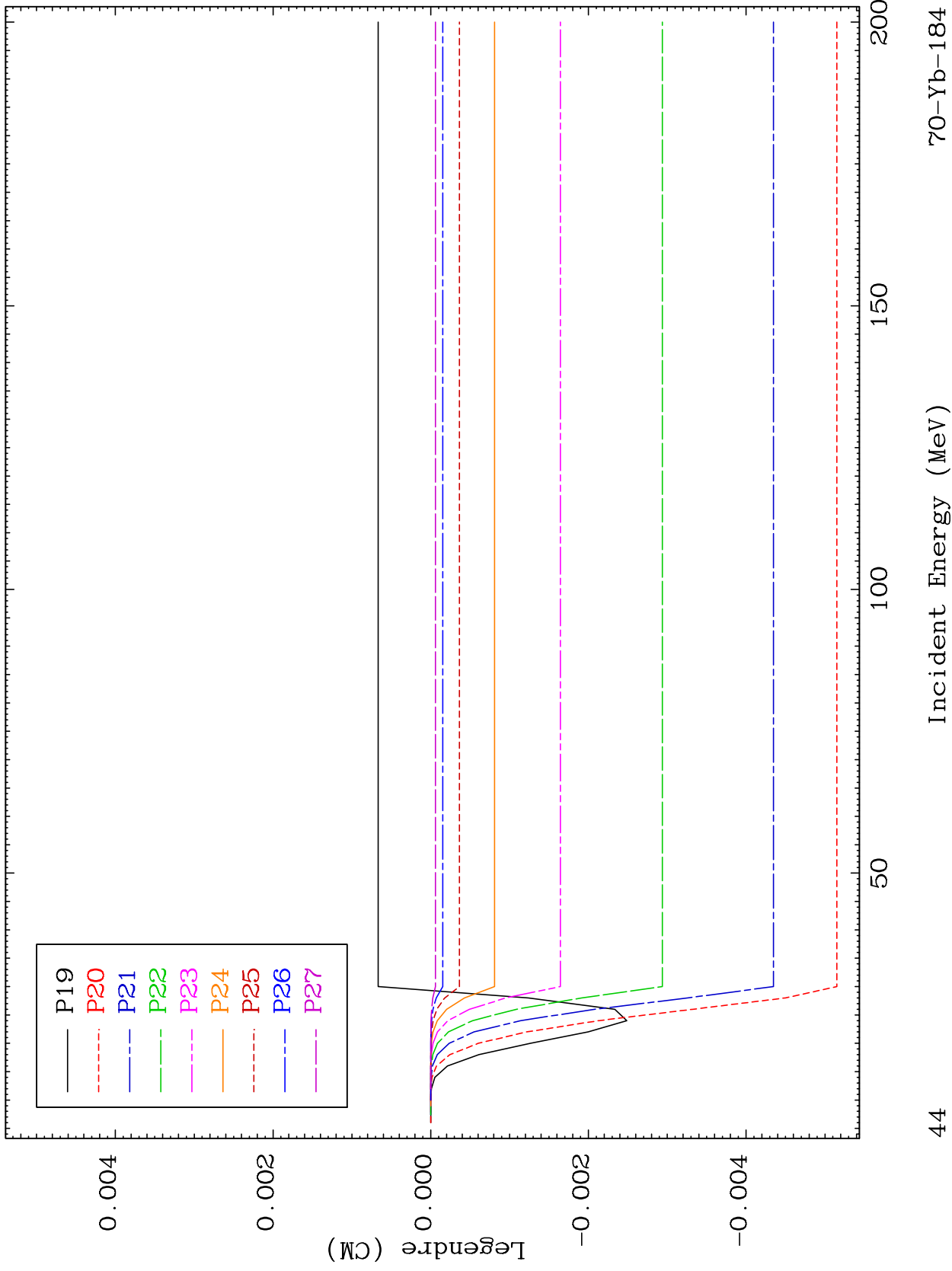
Incident Energy (MeV)

70-Yb-184

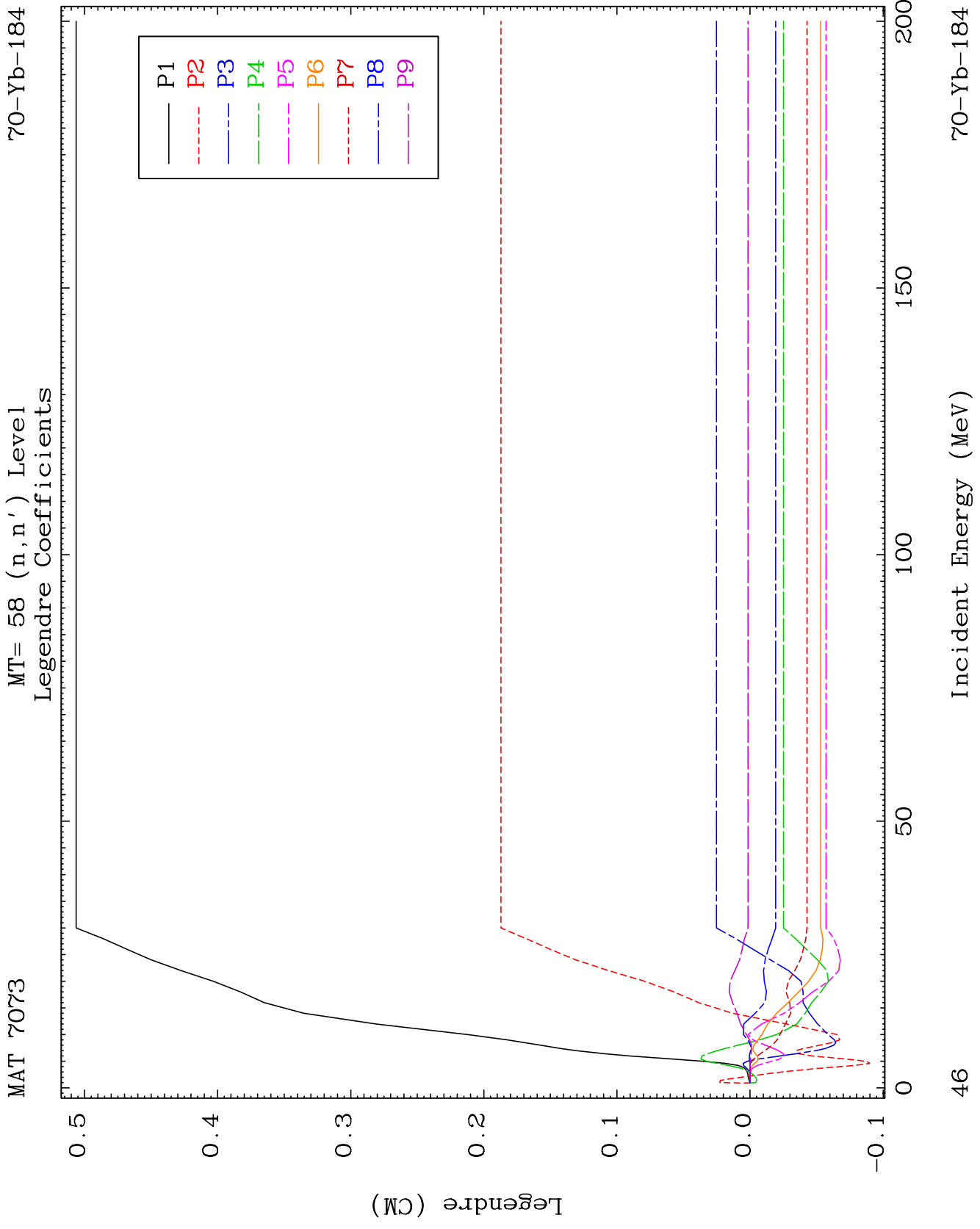
MAT 7073

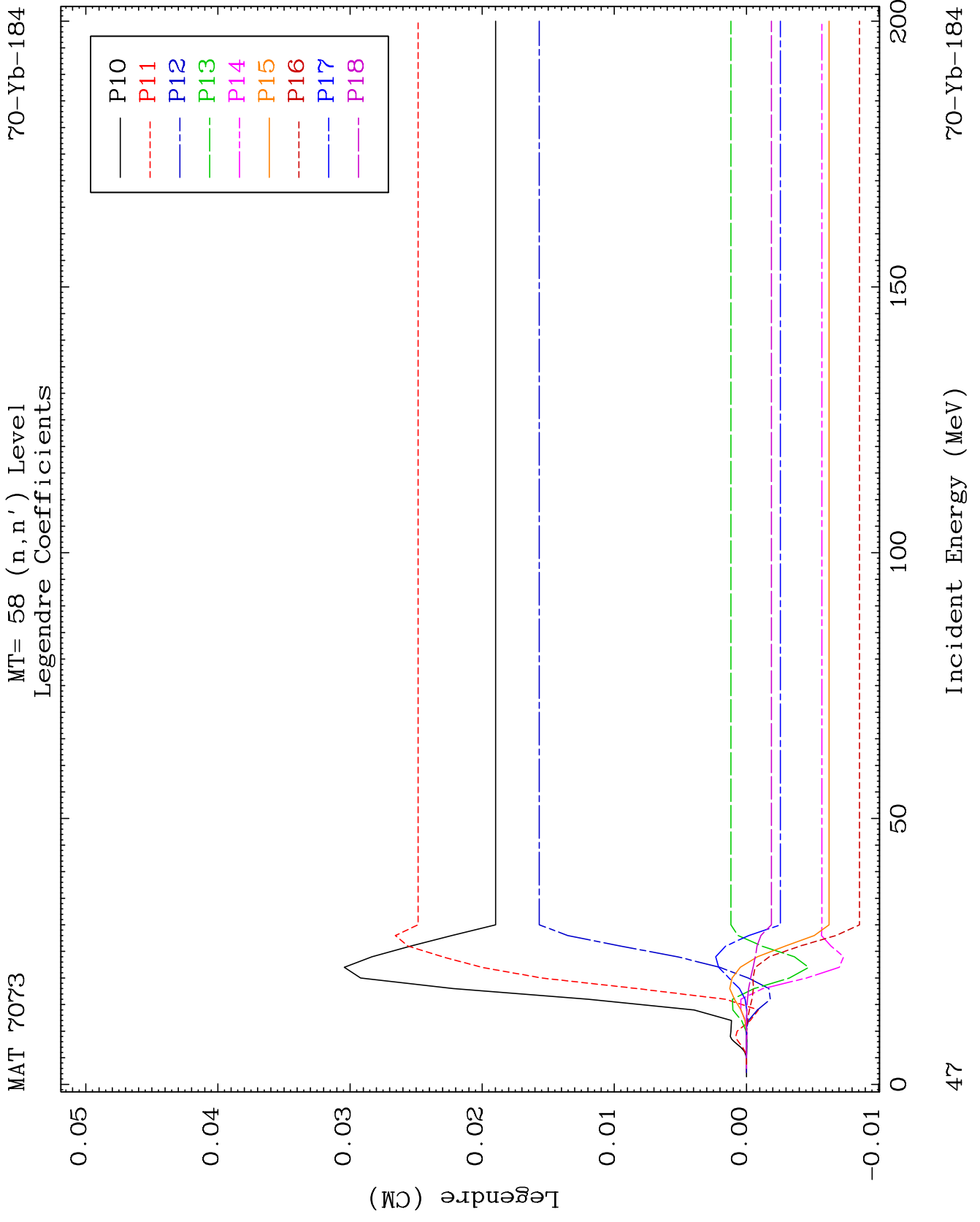
MT= 57 (n,n') Level  
Legendre Coefficients

70-Yb-184







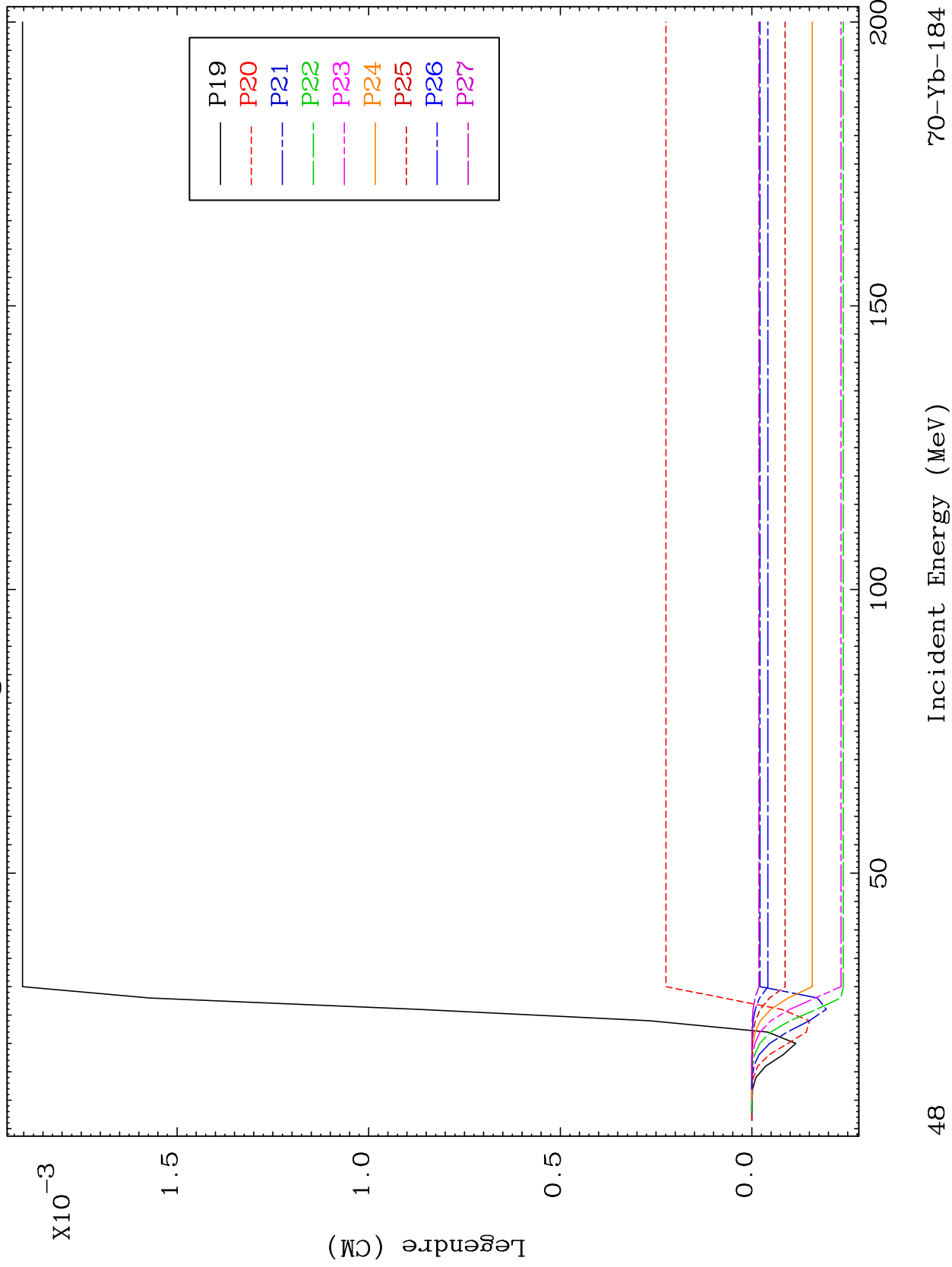




MAT 7073

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

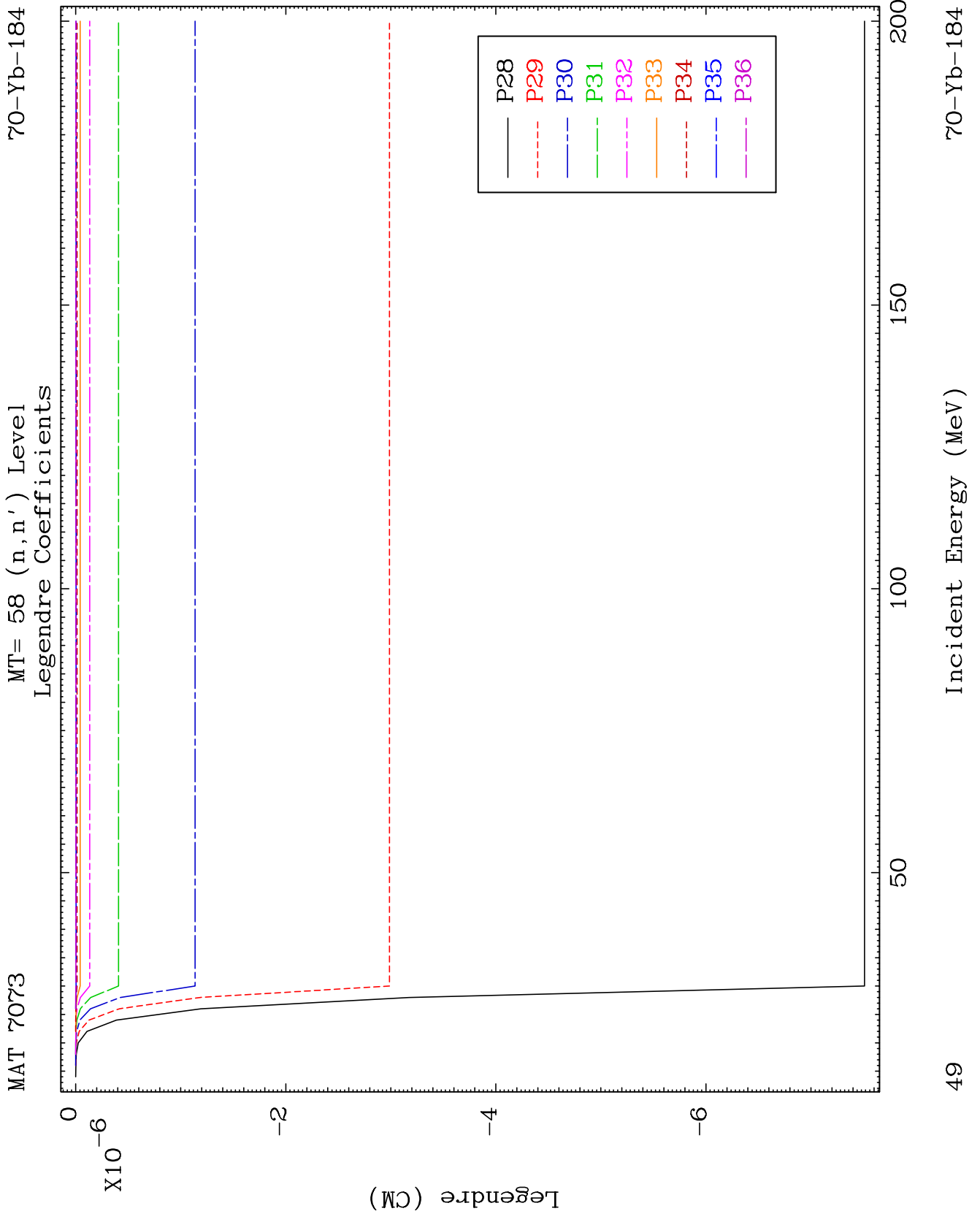
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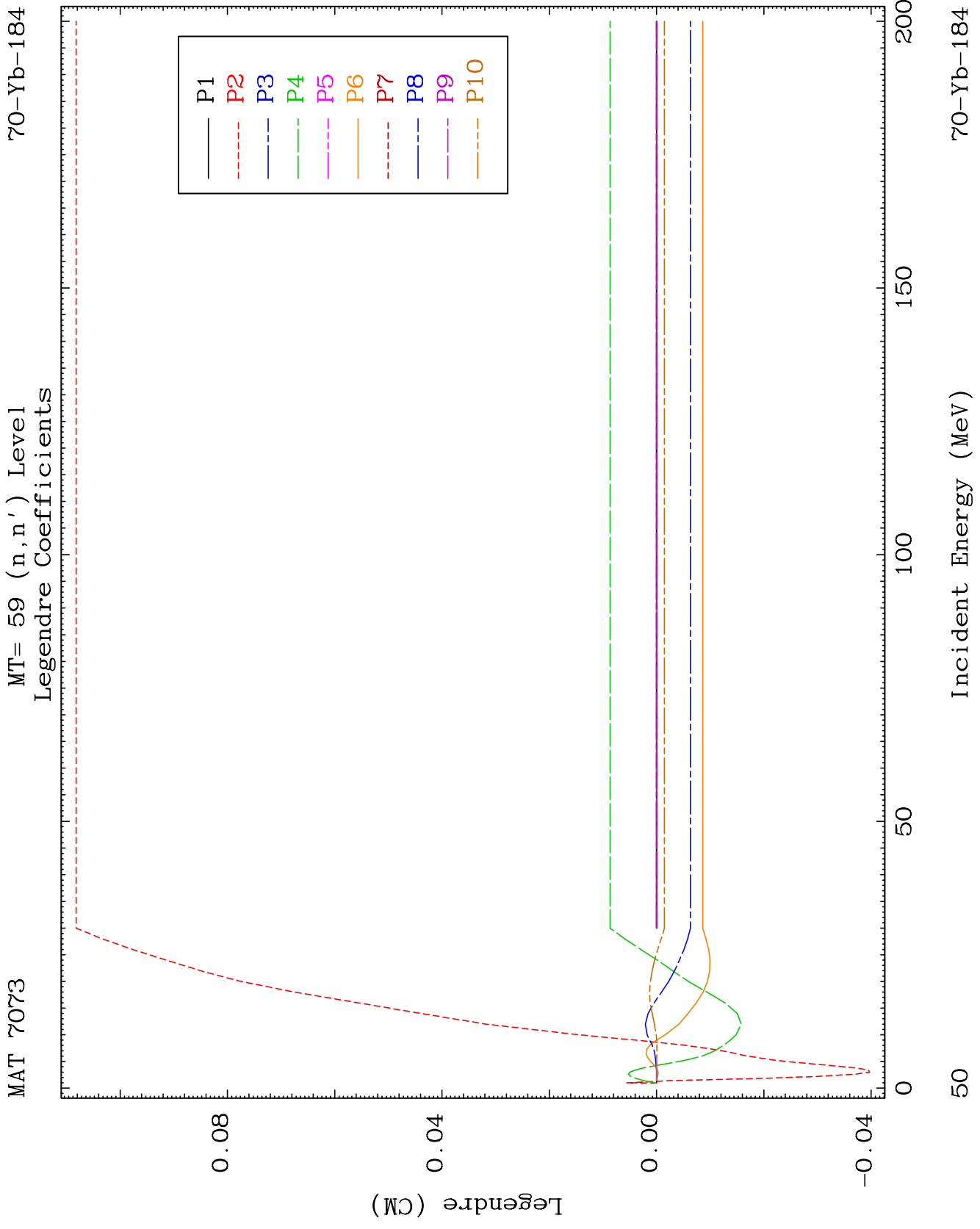


48

Incident Energy (MeV)

70-Yb-184

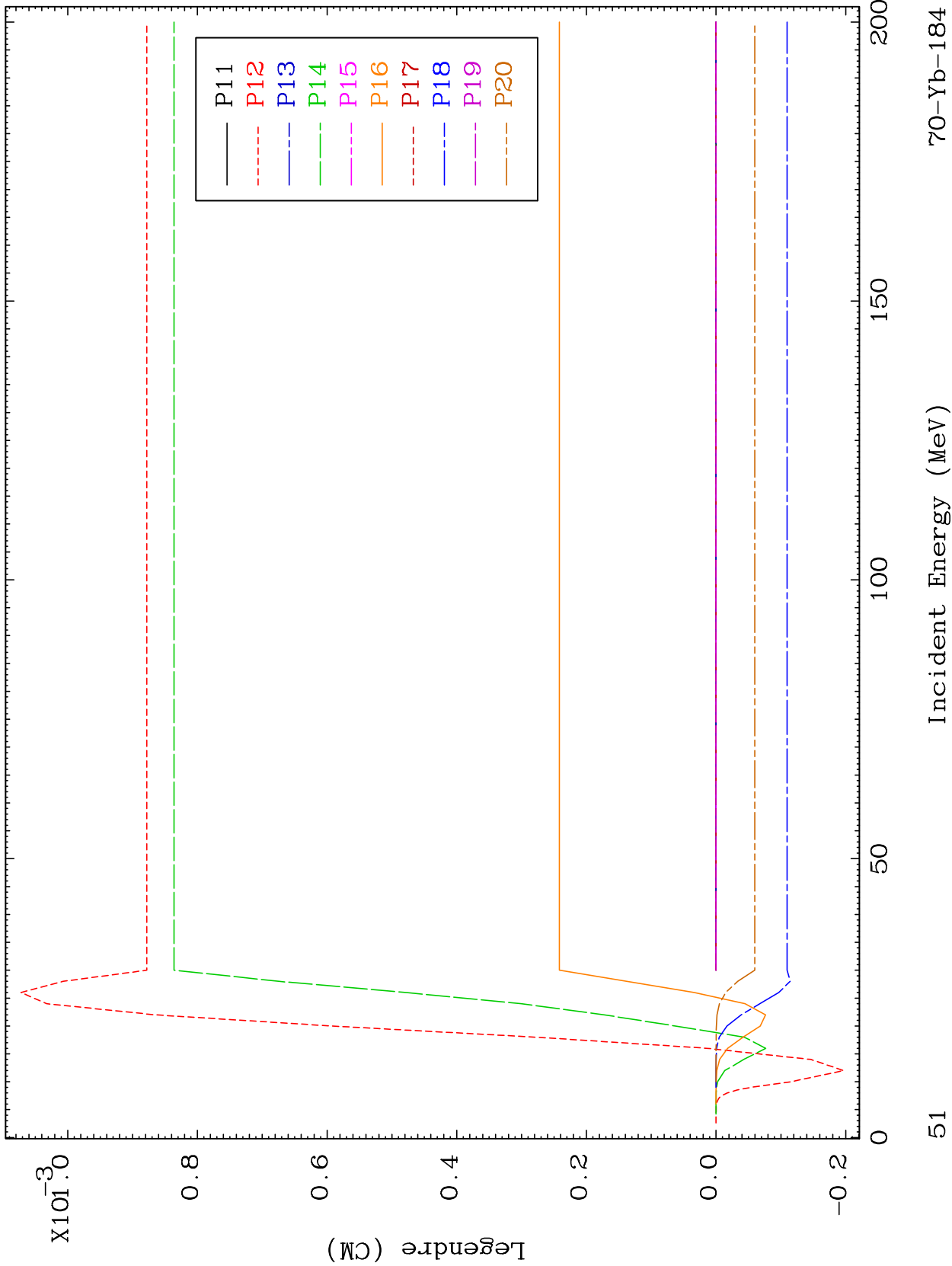




MAT 7073

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

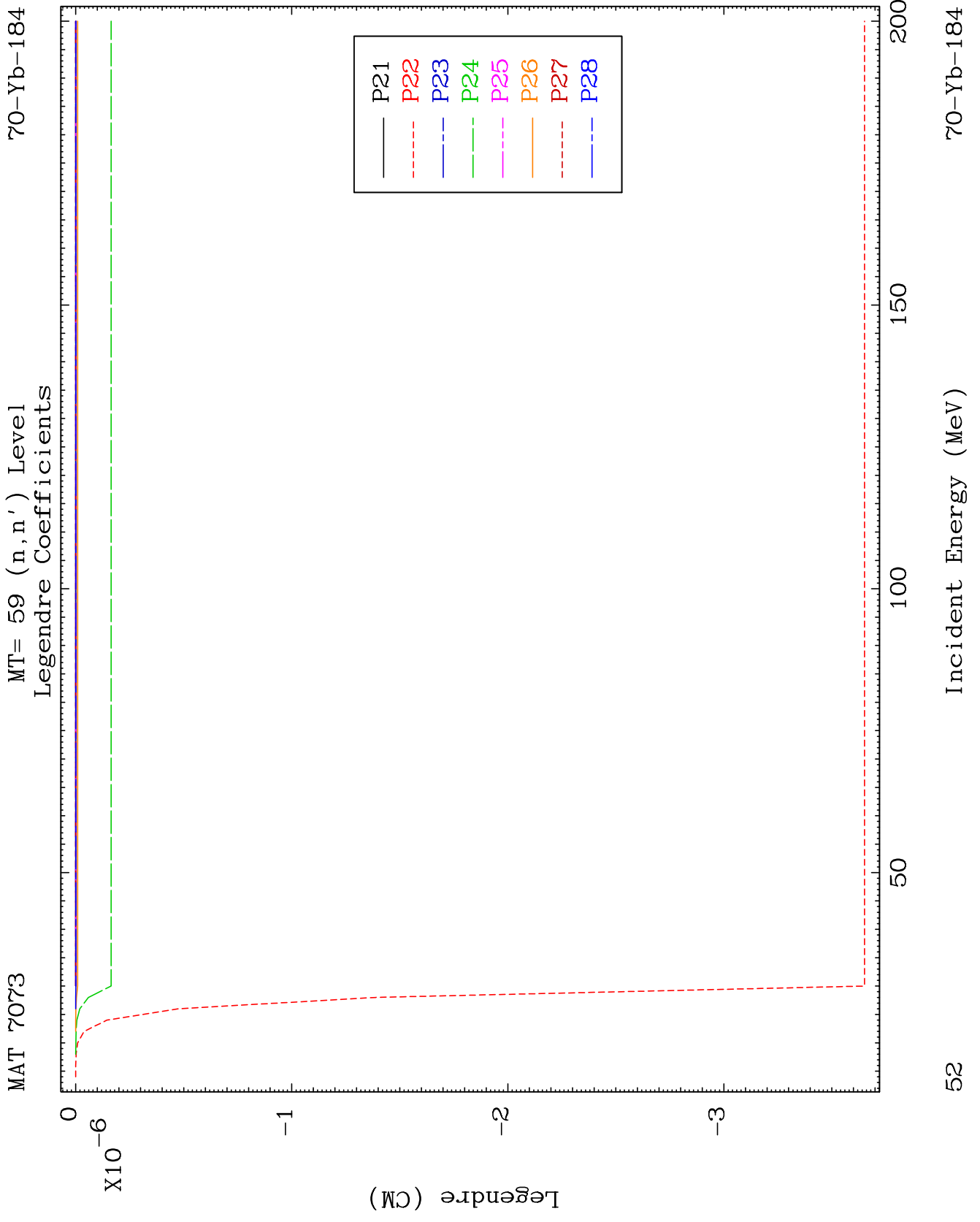
70-Yb-184



51

Incident Energy (MeV)

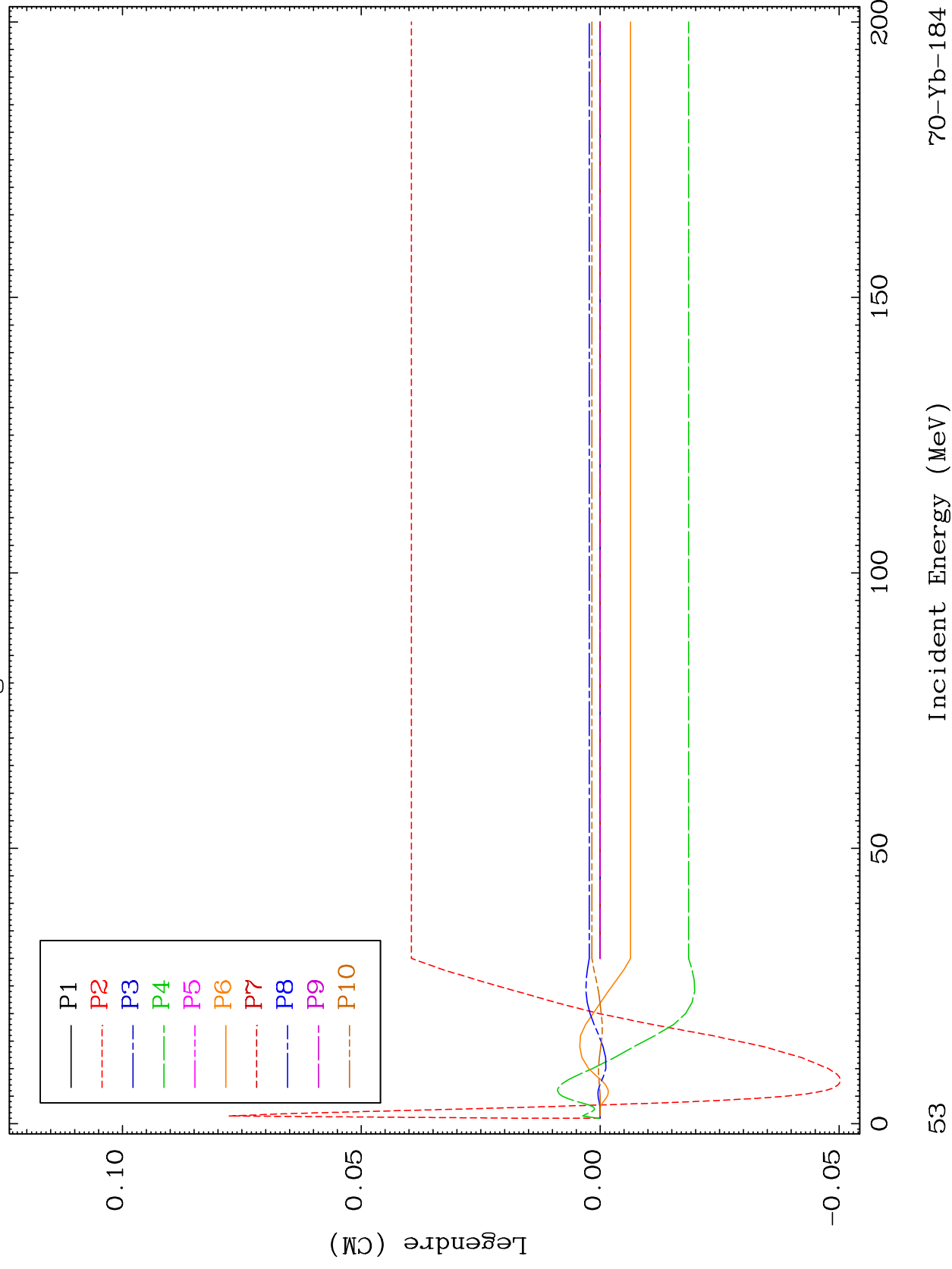
70-Yb-184



MAT 7073

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

70-Yb-184



53

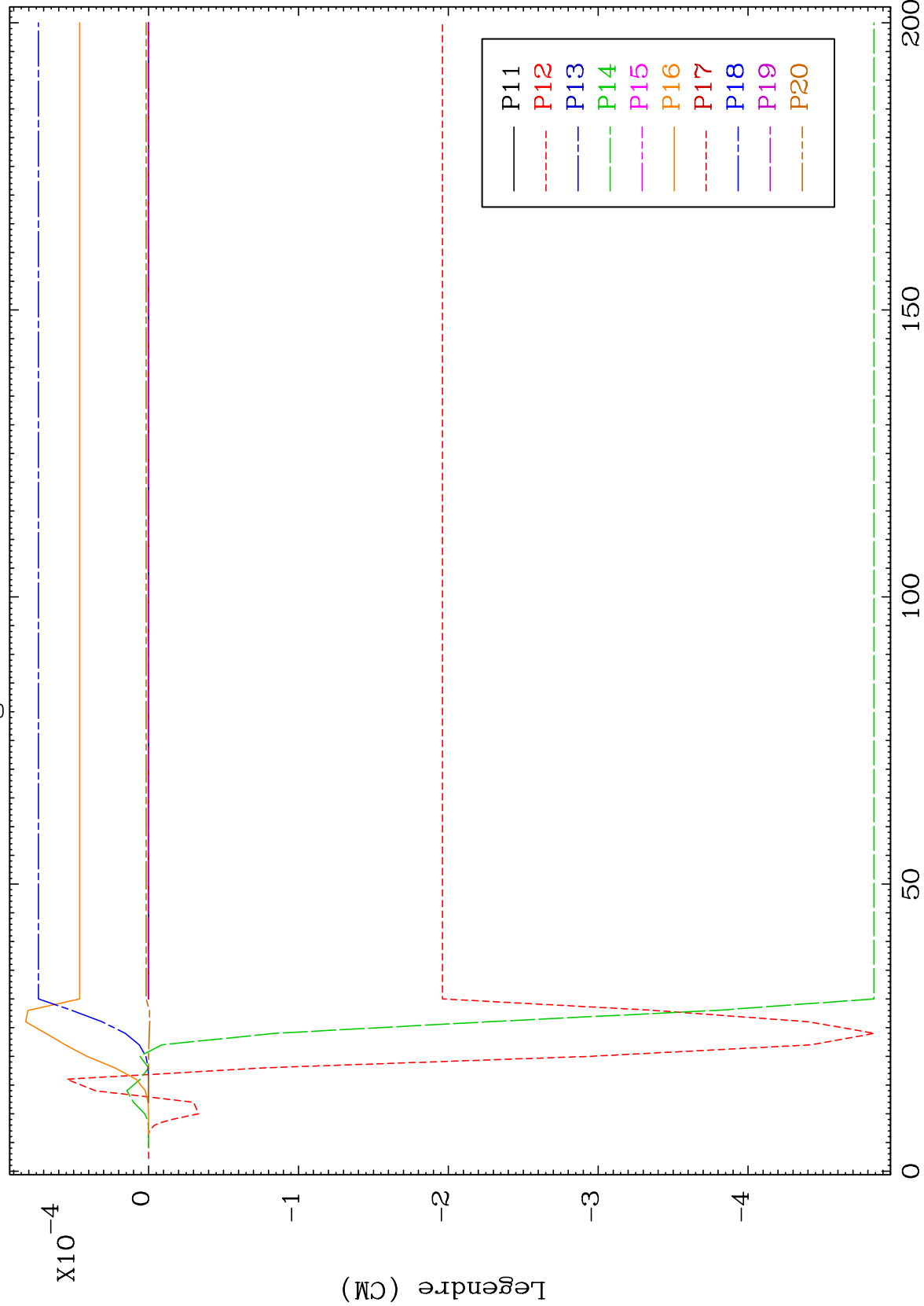
Incident Energy (MeV)

70-Yb-184

MAT 7073

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

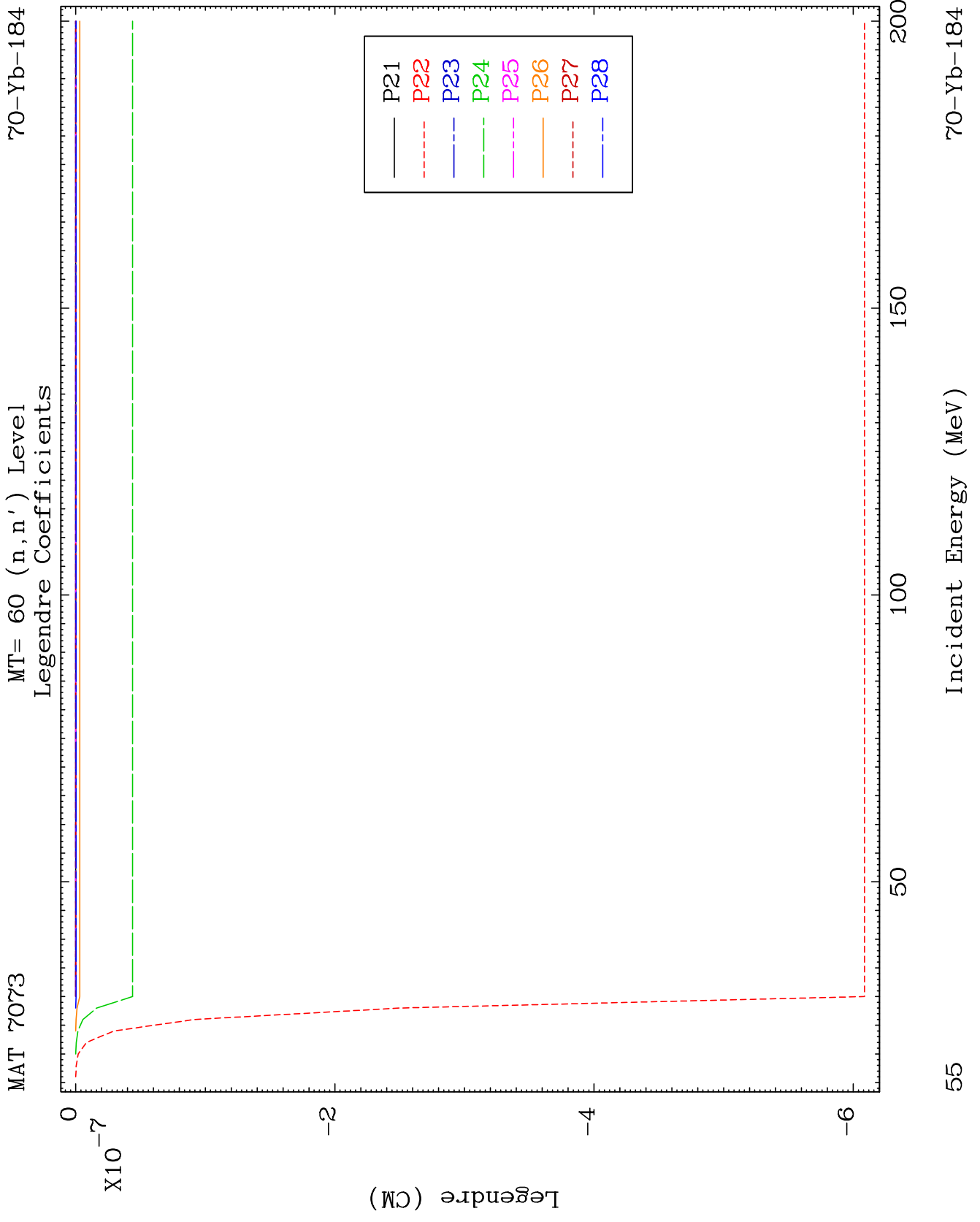
70-Yb-184



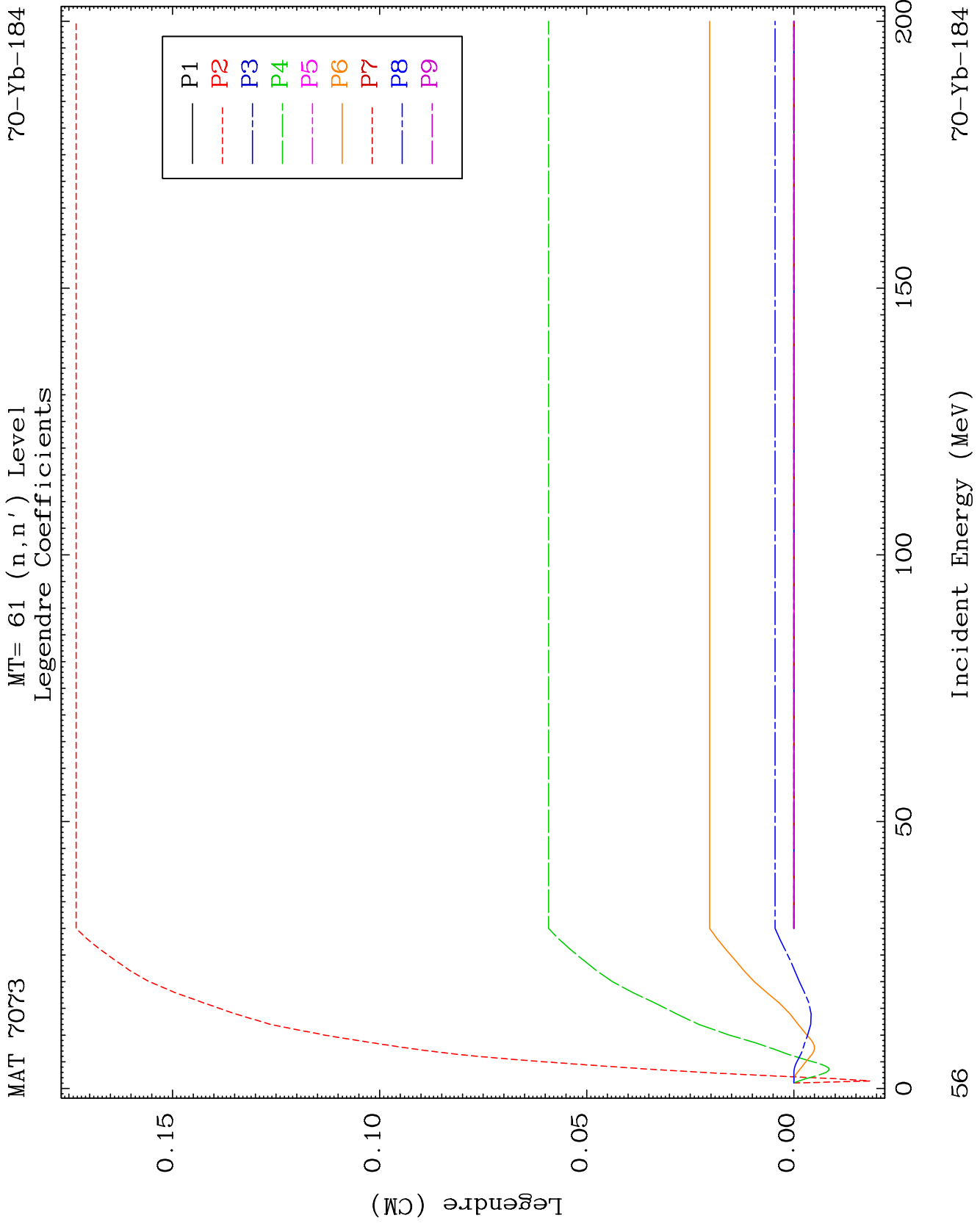
54

Incident Energy (MeV)

70-Yb-184



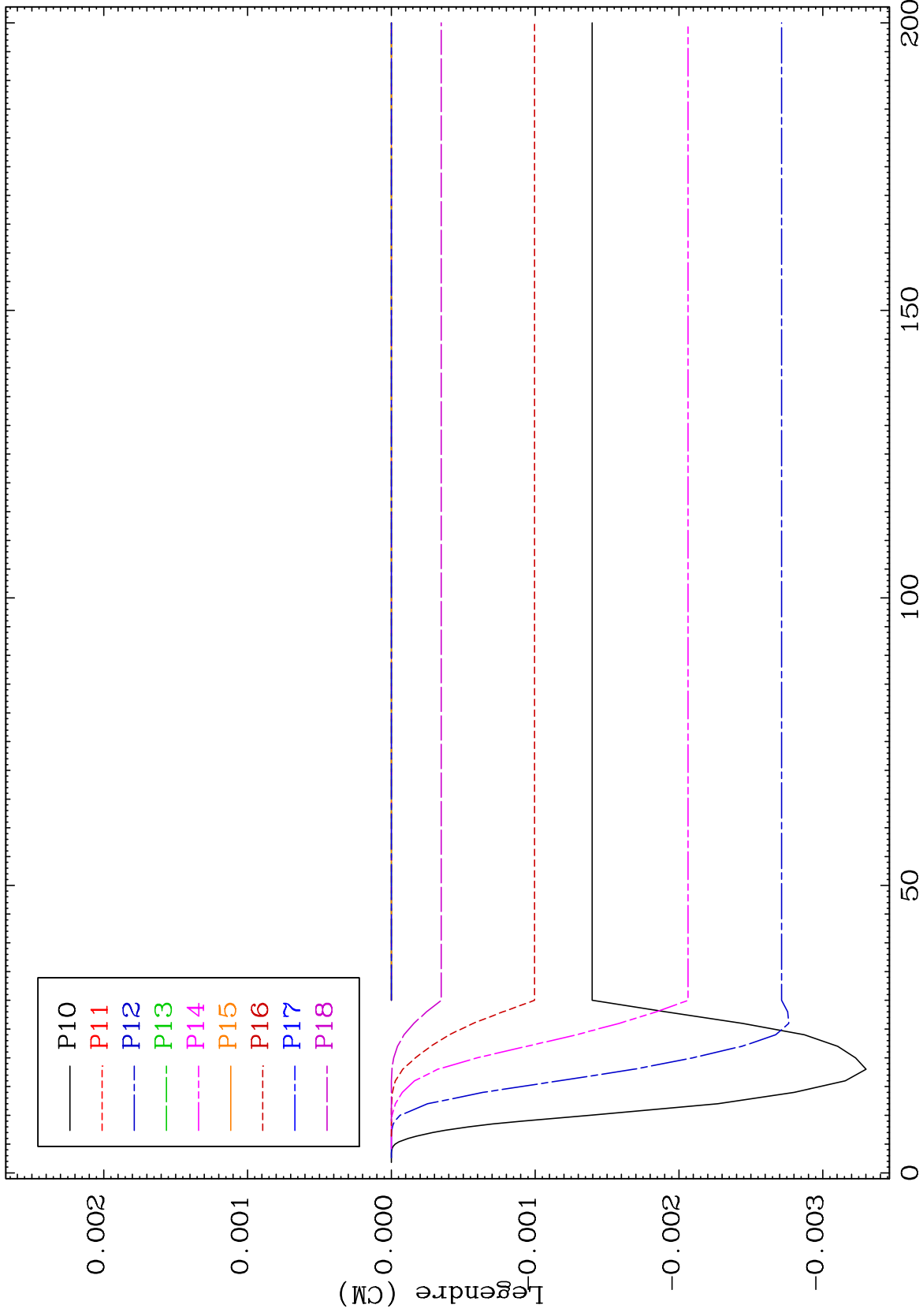




MAT 7073

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

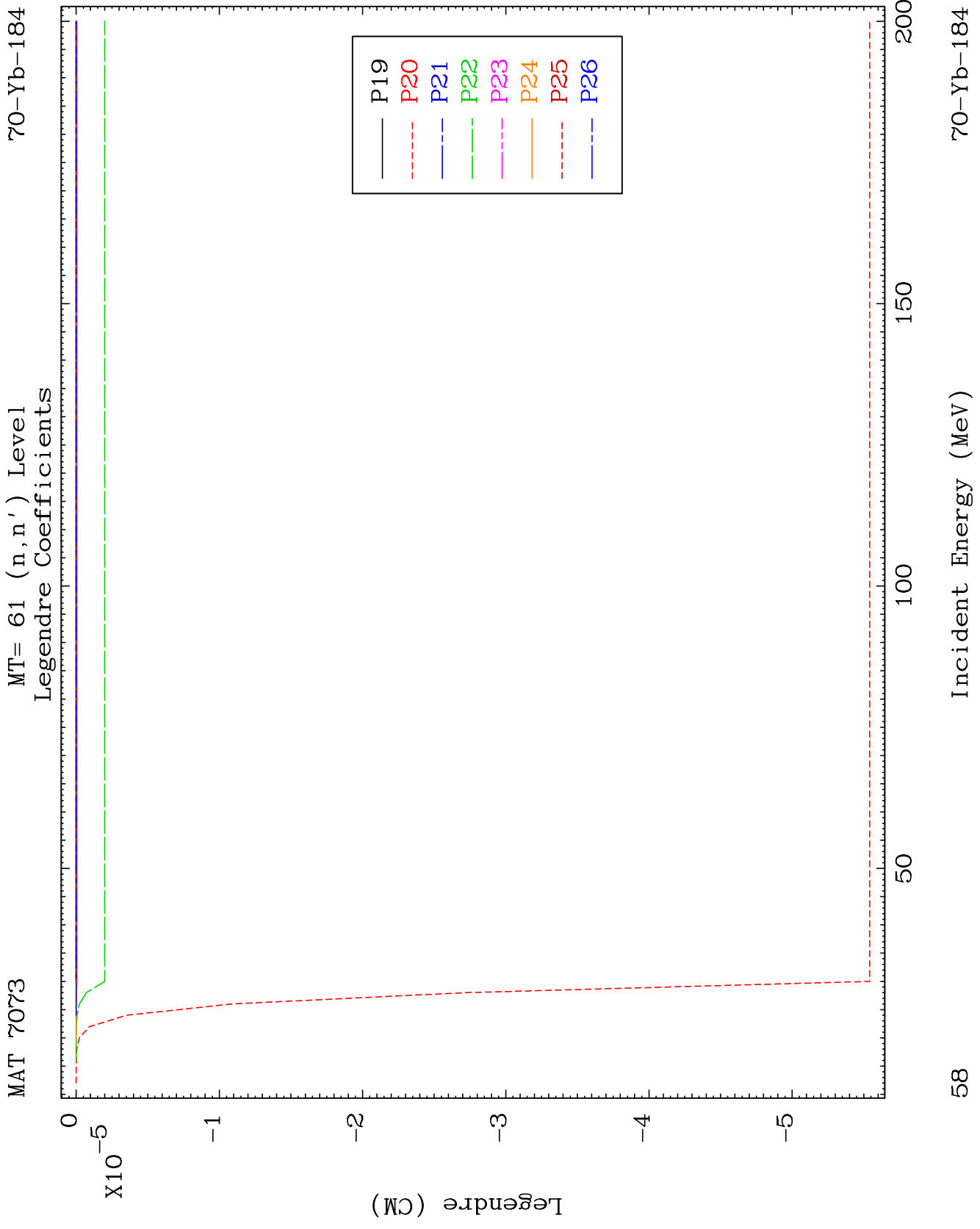
70-Yb-184



57

Incident Energy (MeV)

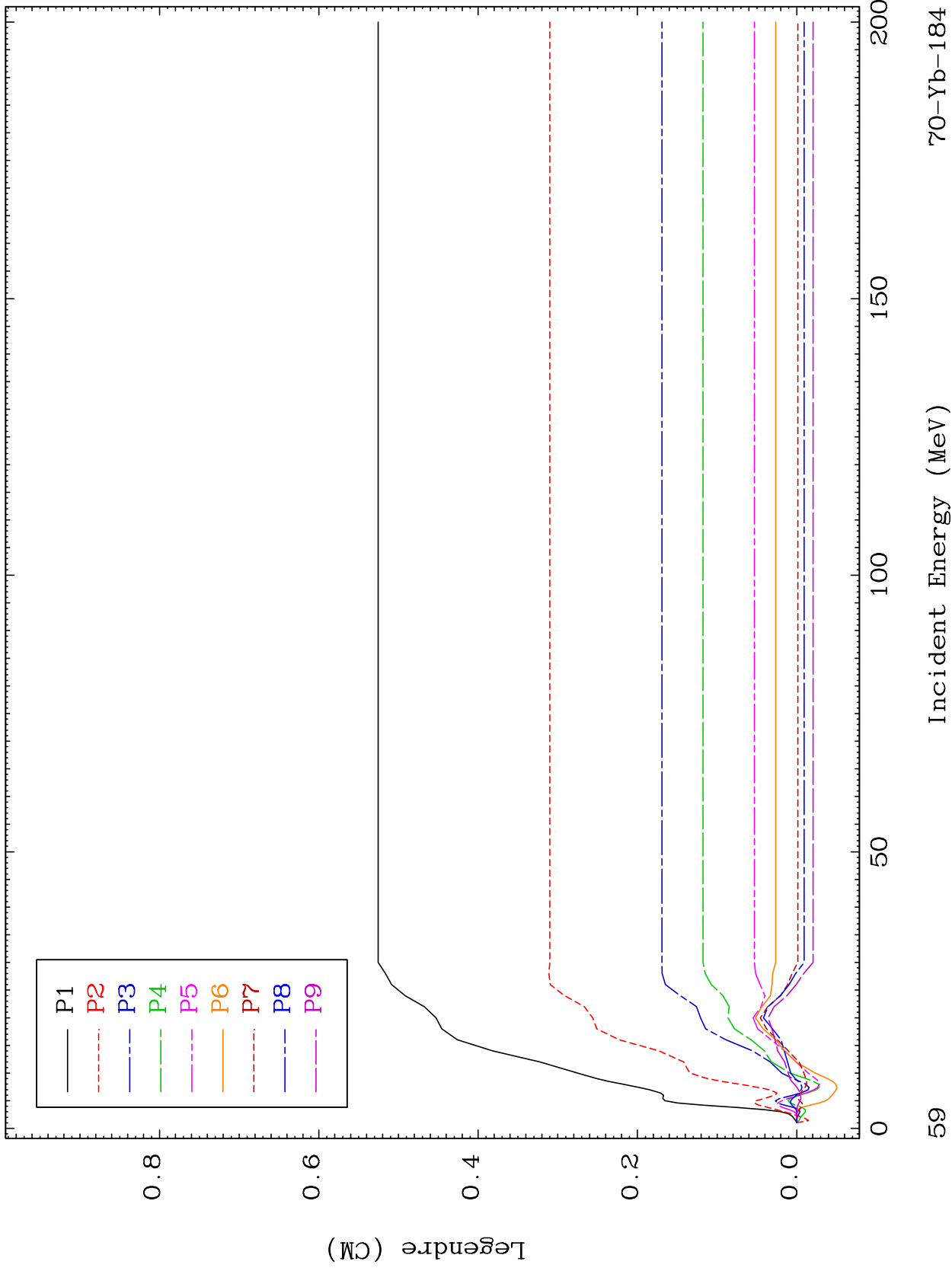
70-Yb-184



MAT 7073

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

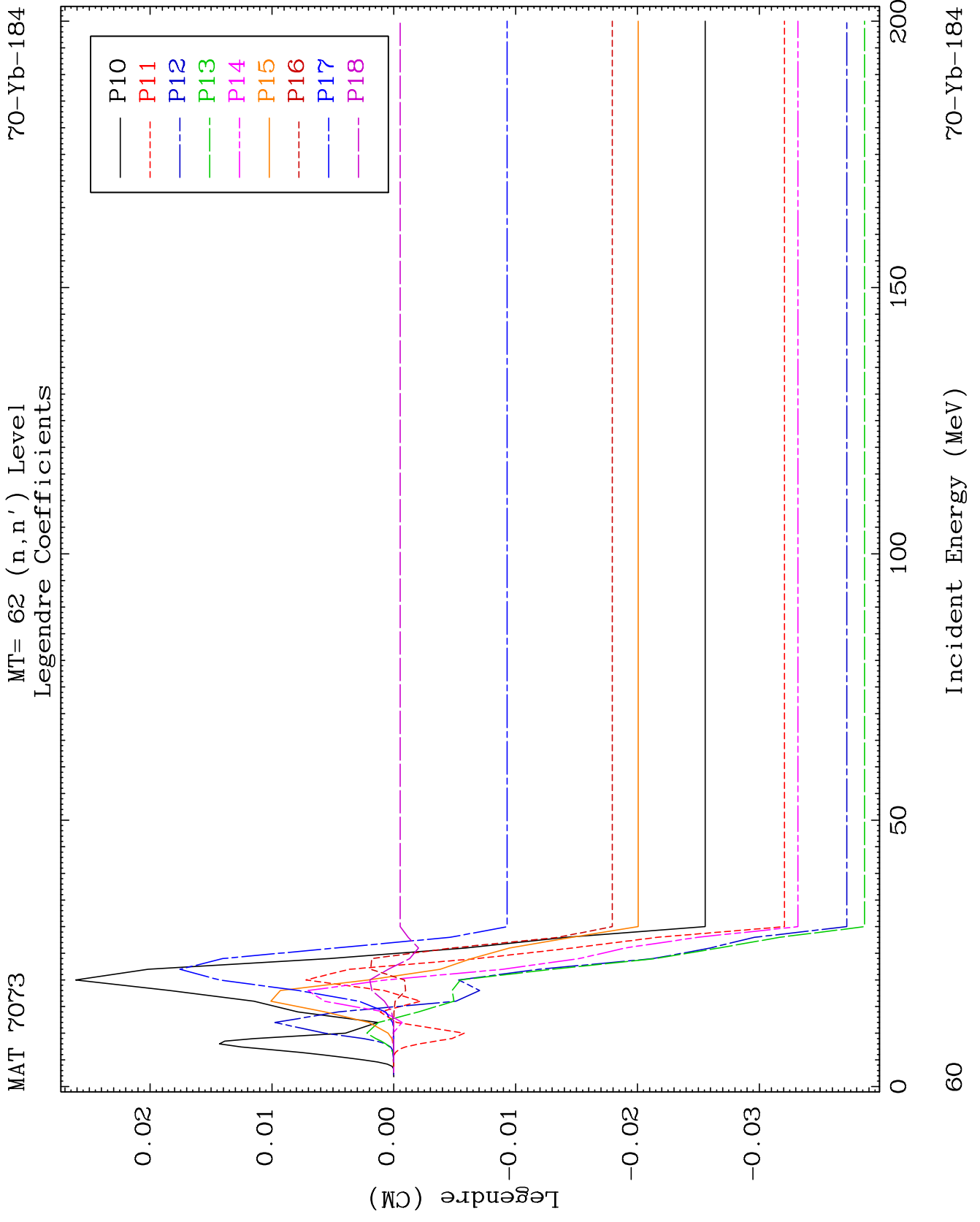
70-Yb-184



59

Incident Energy (MeV)

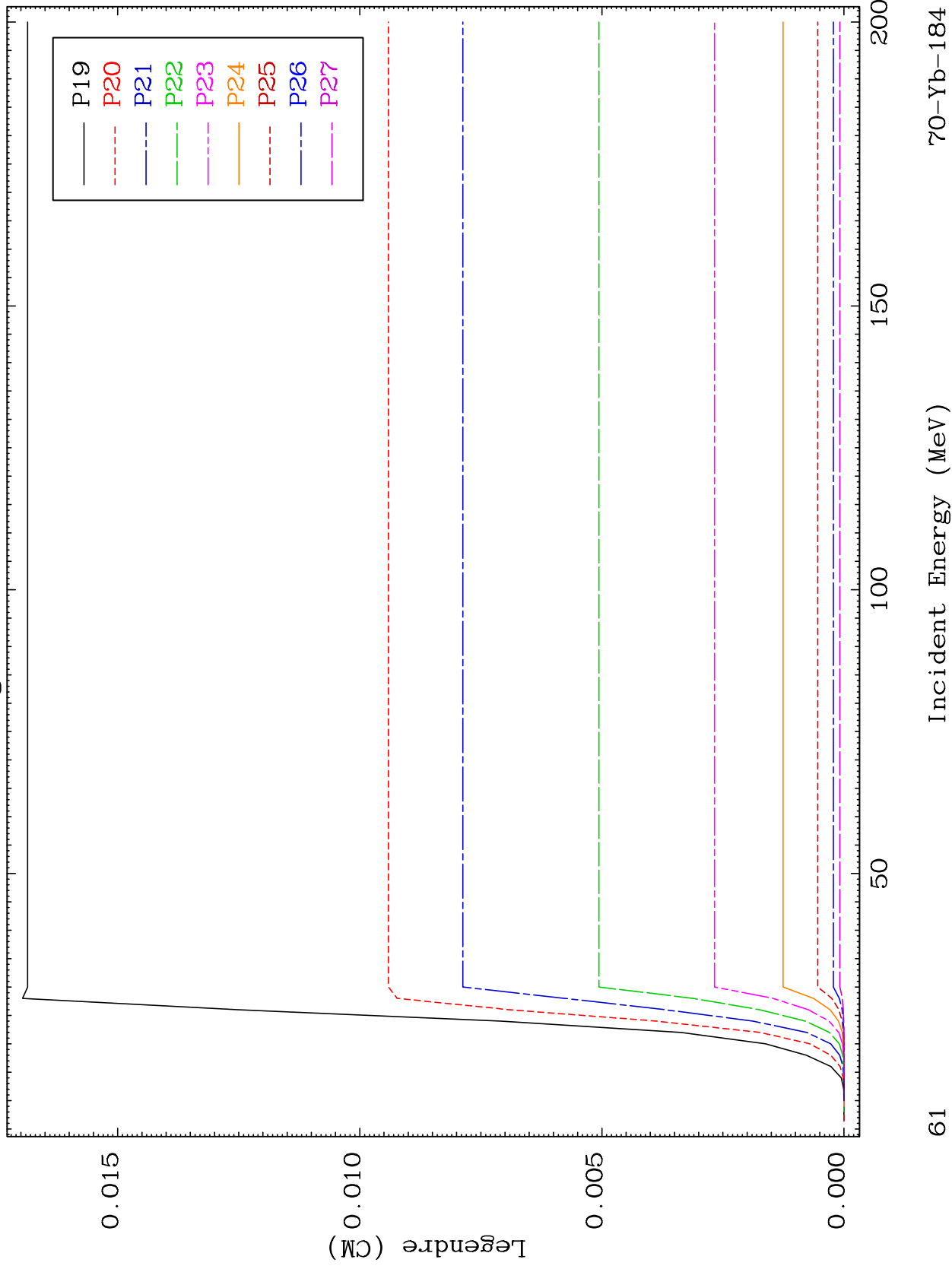
70-Yb-184



MAT 7073

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

70-Yb-184



61

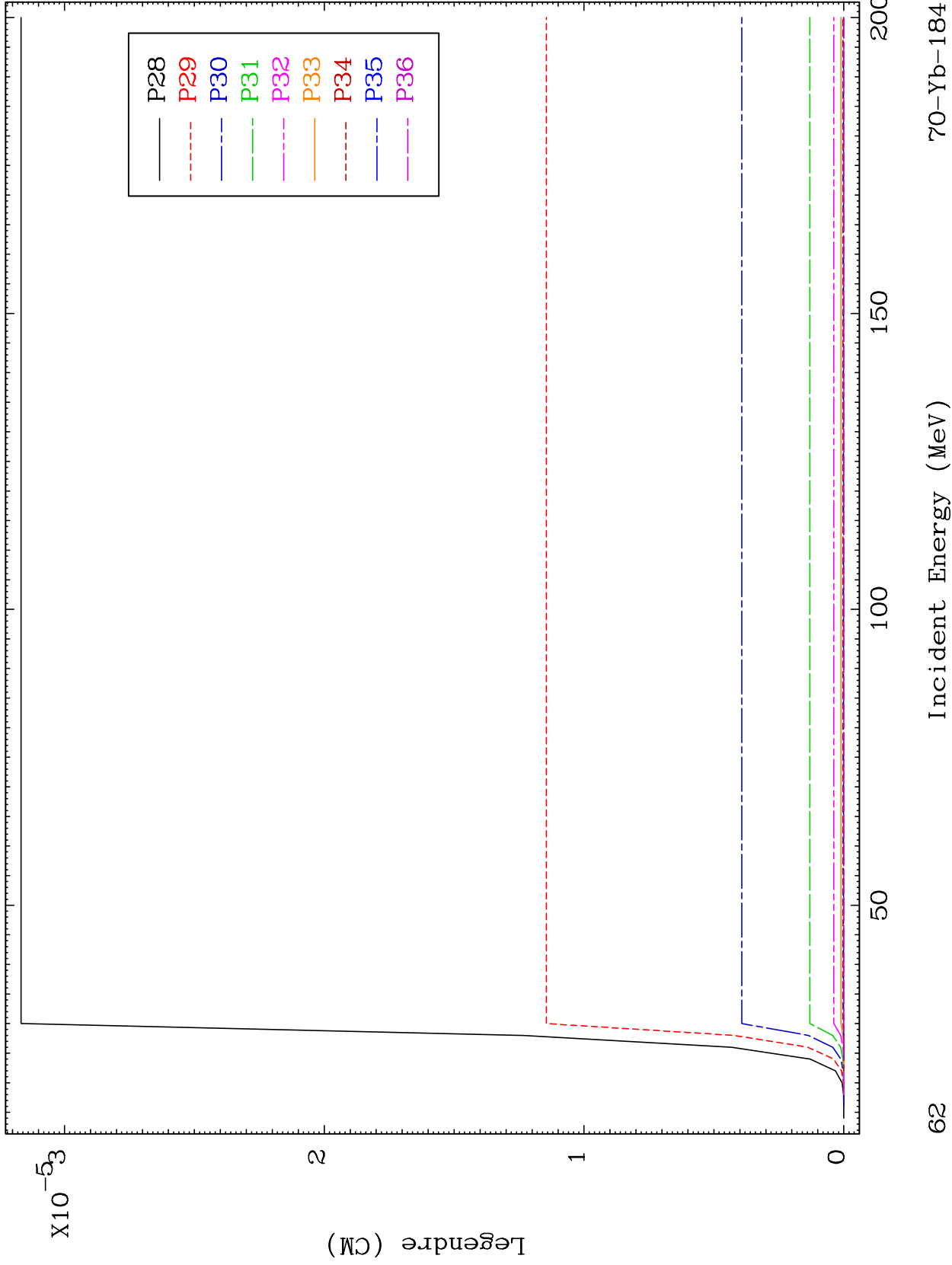
Incident Energy (MeV)

70-Yb-184

MAT 7073

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

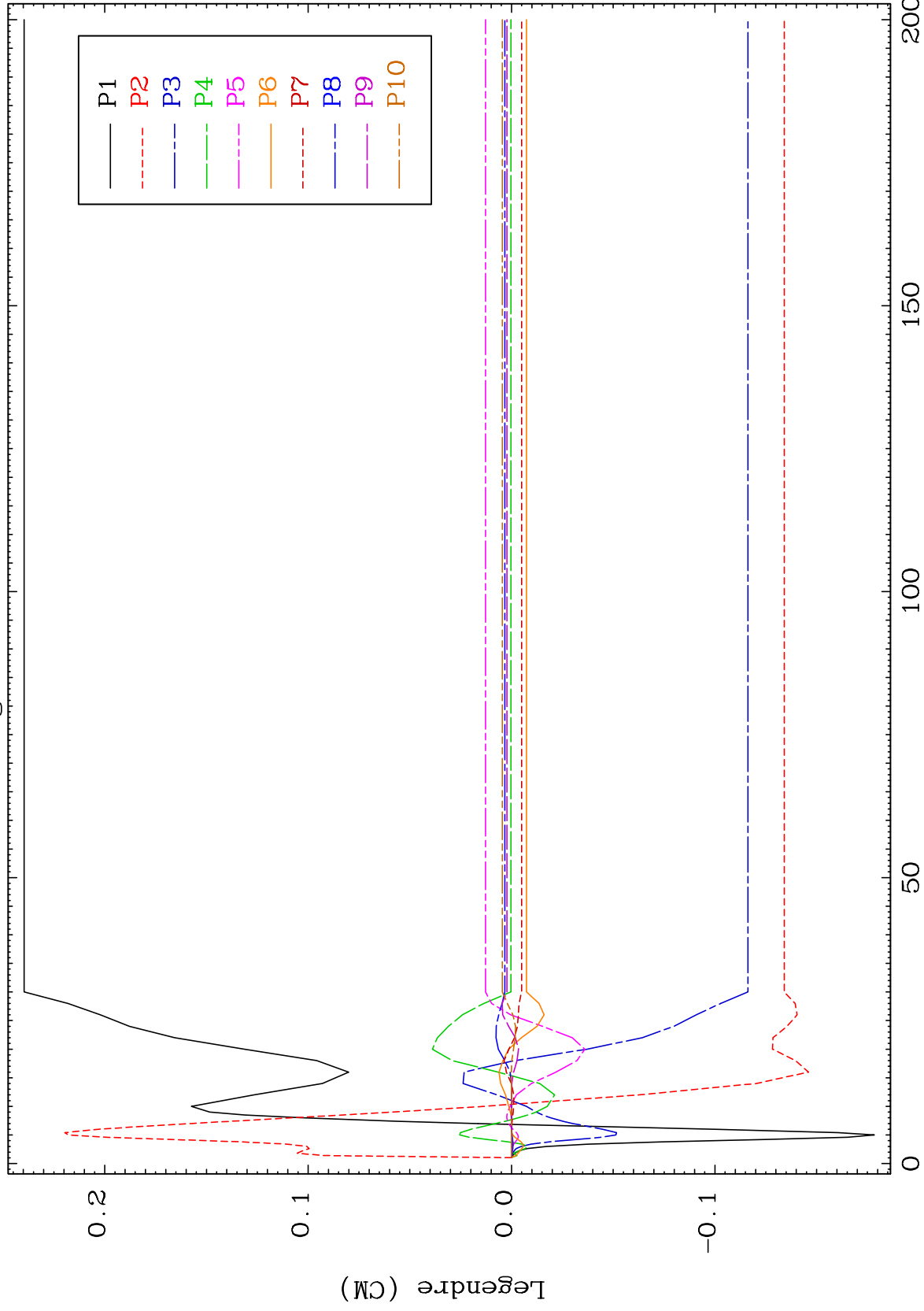
70-Yb-184



MAT 7073

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

70-Yb-184

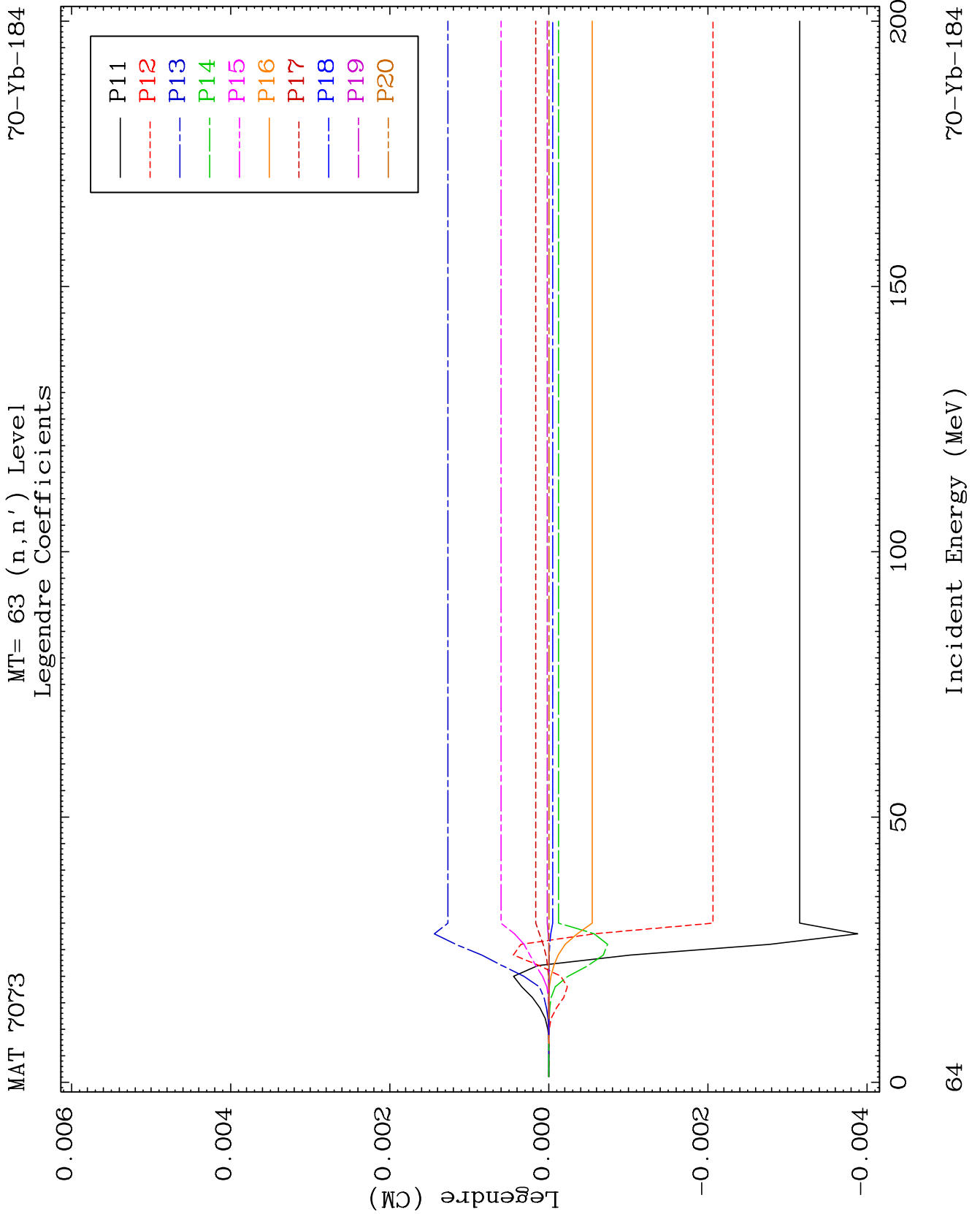


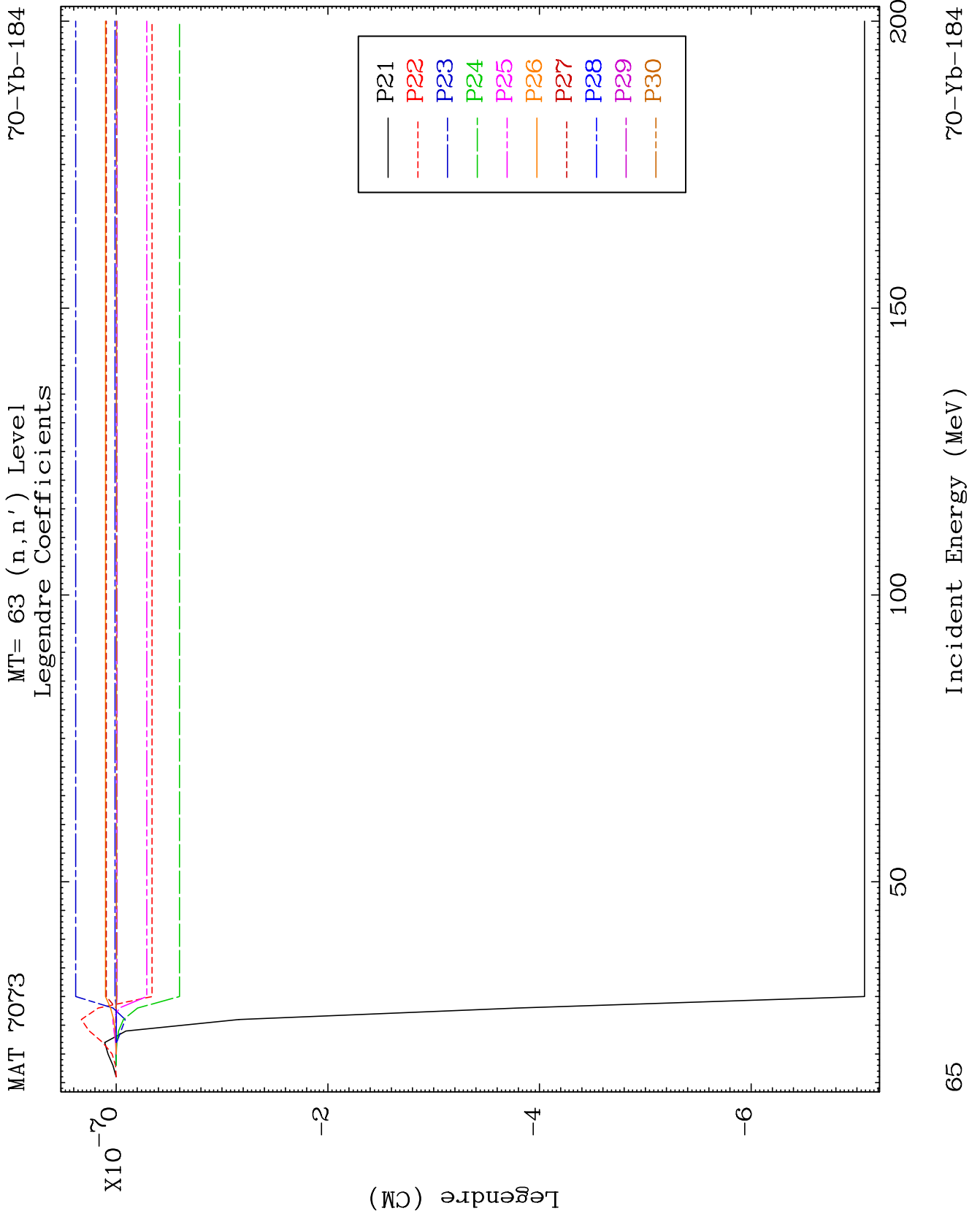
63

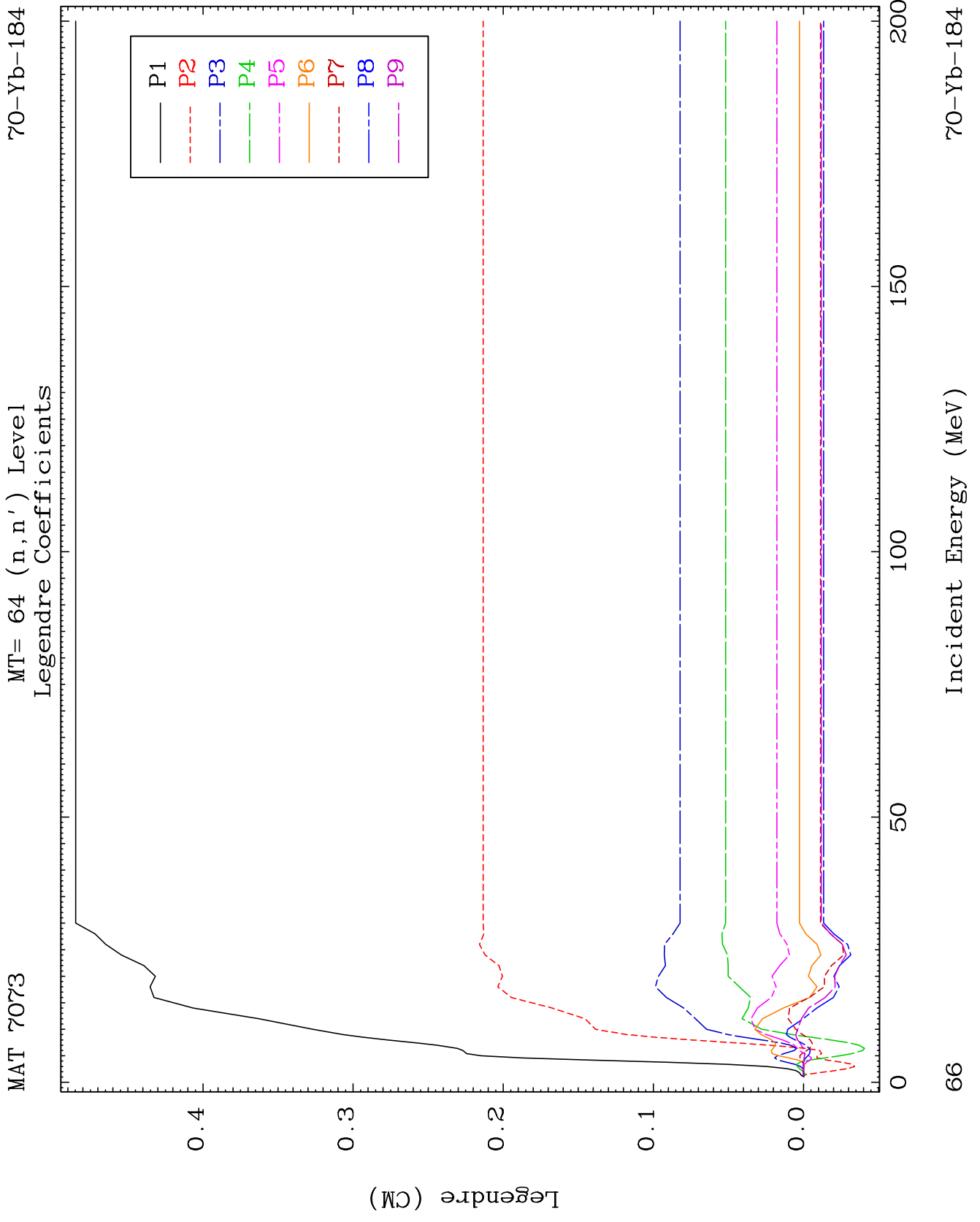
Incident Energy (MeV)

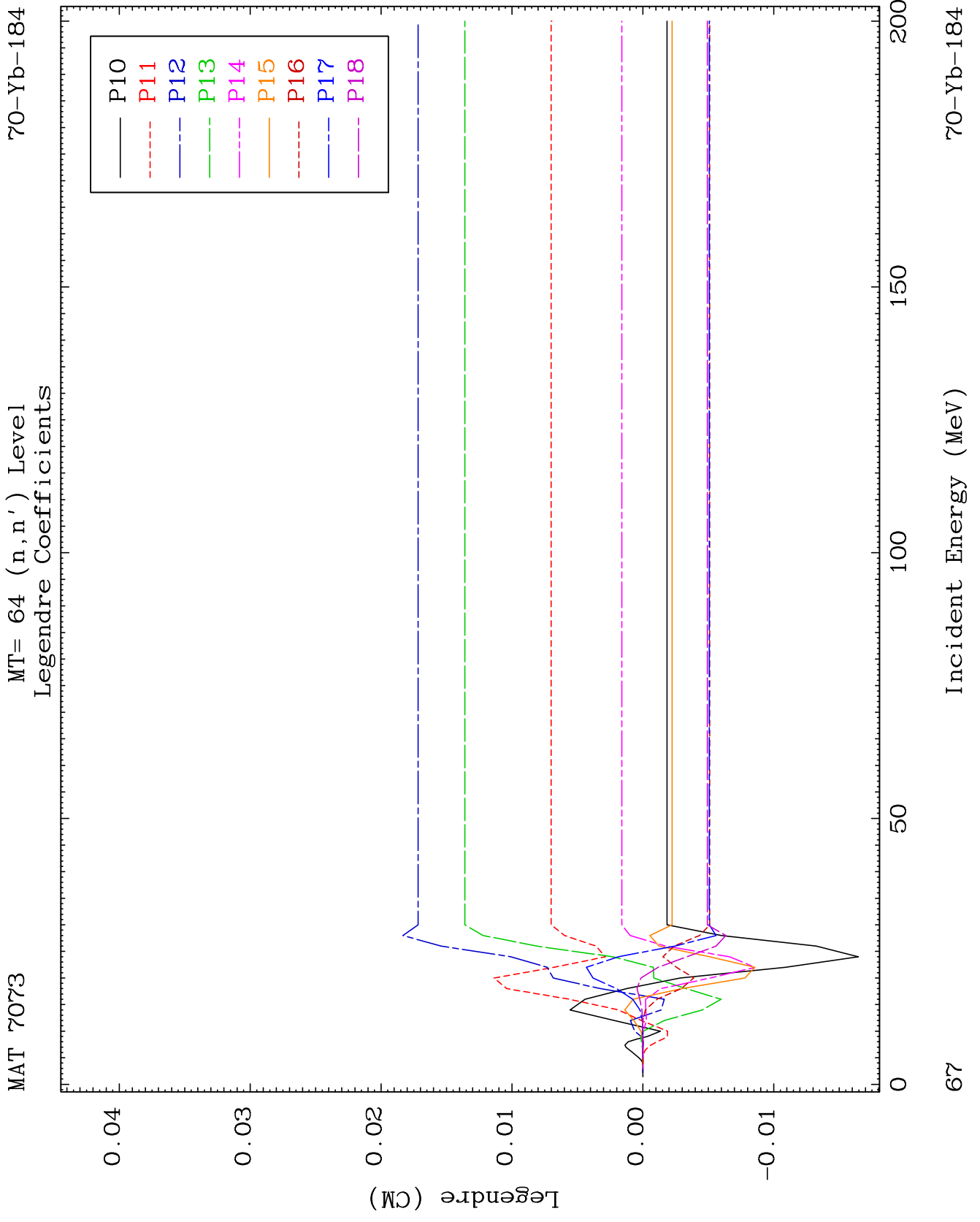
70-Yb-184

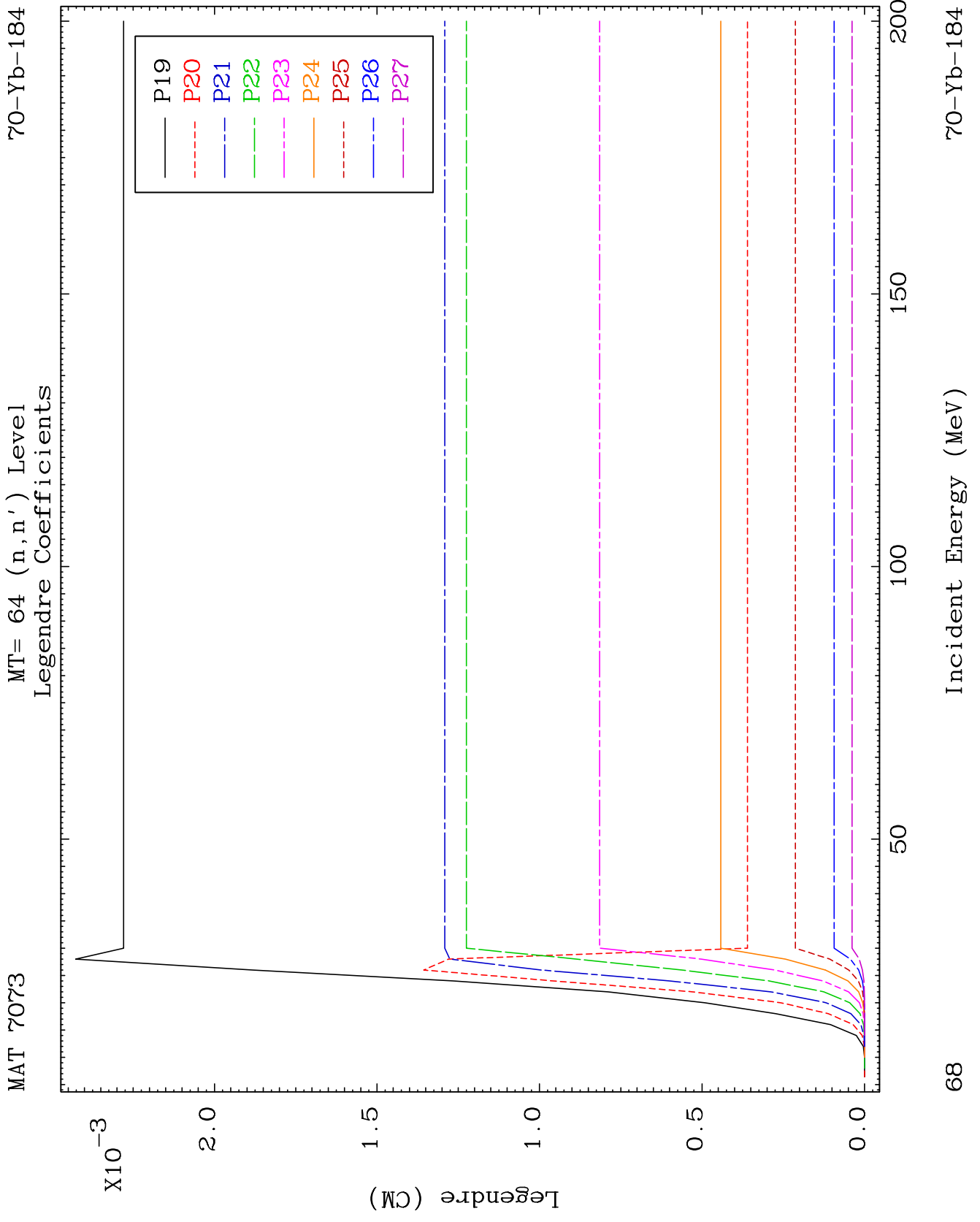








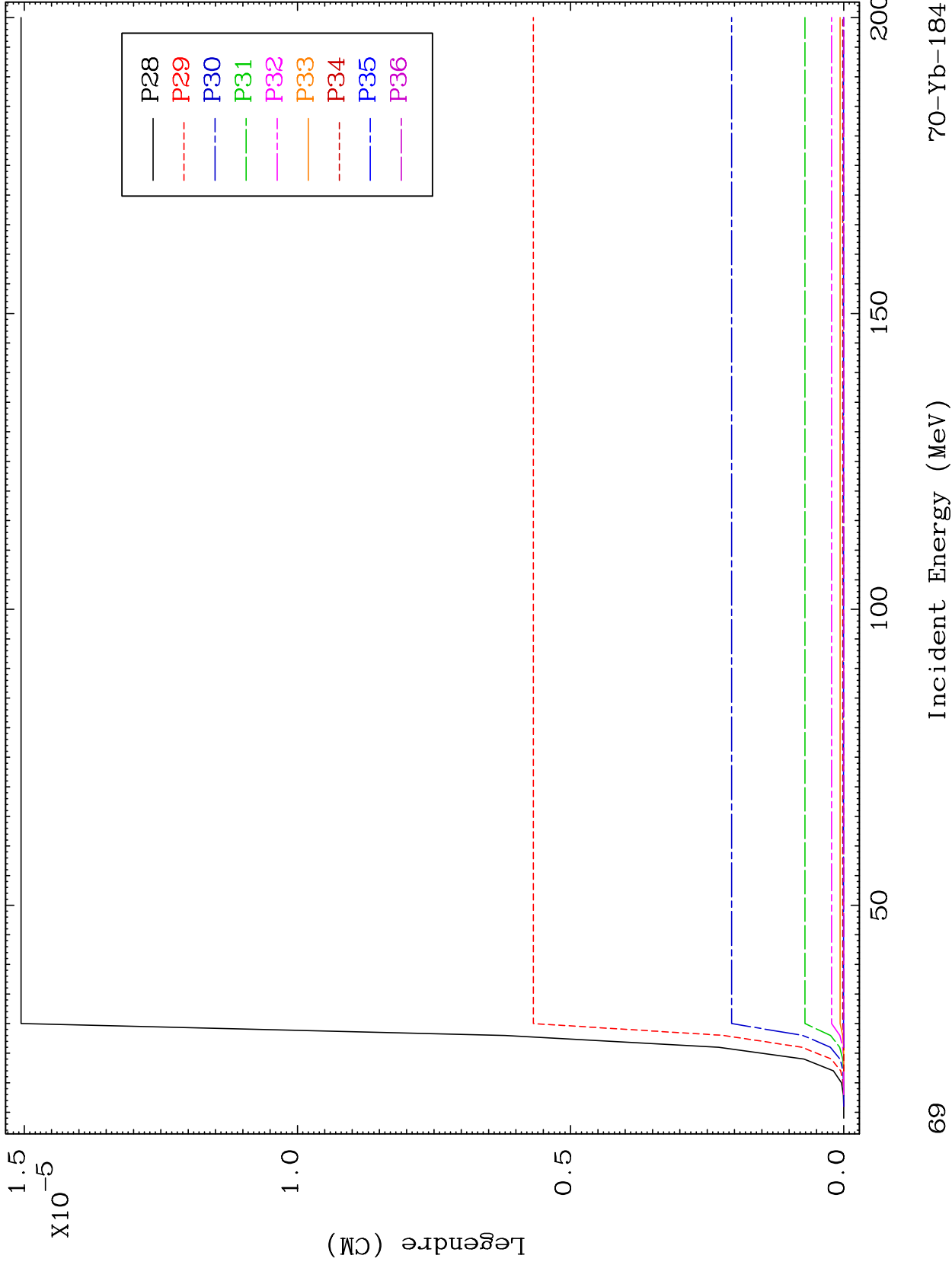




MAT 7073

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

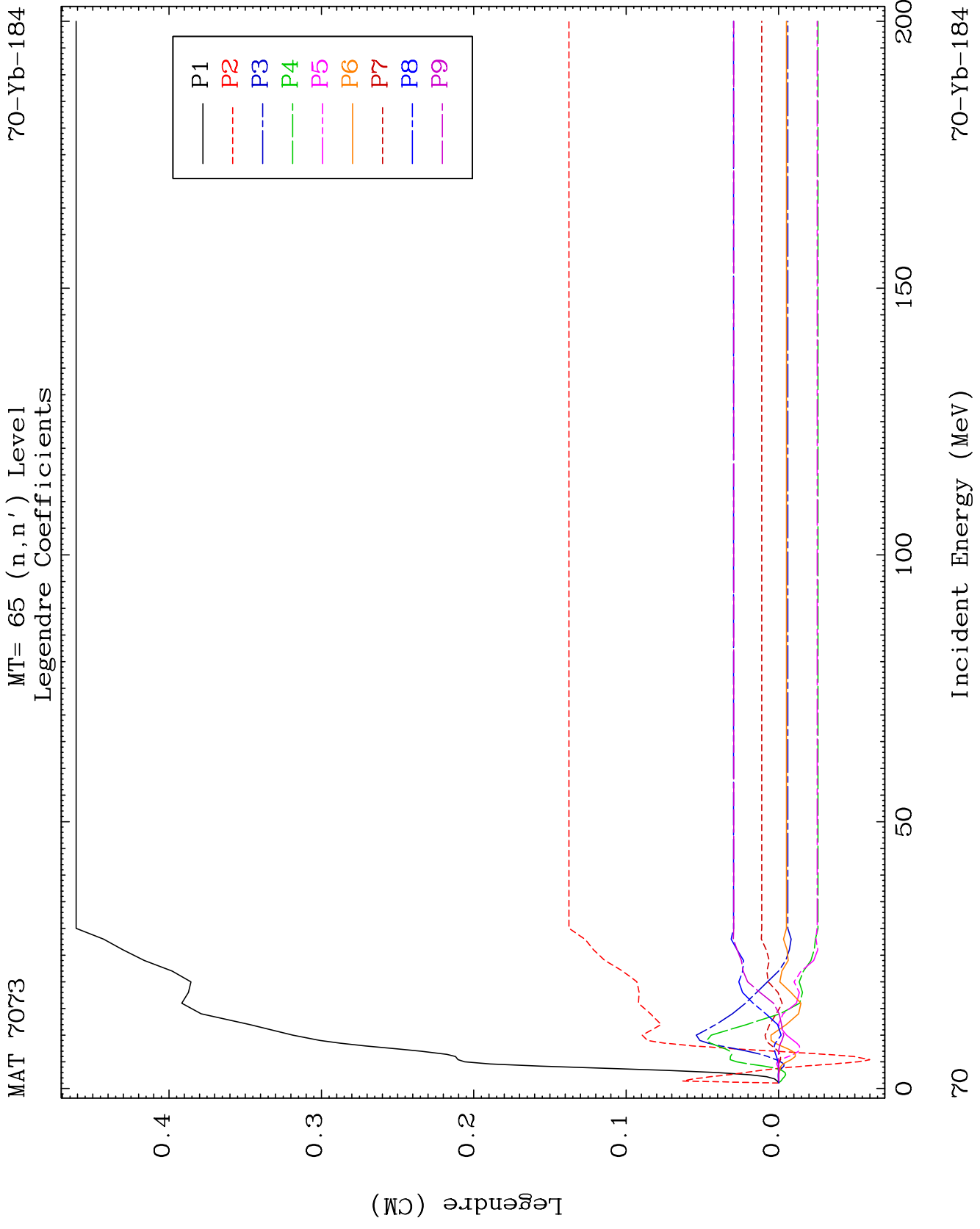
70-Yb-184



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Incident Energy (MeV)

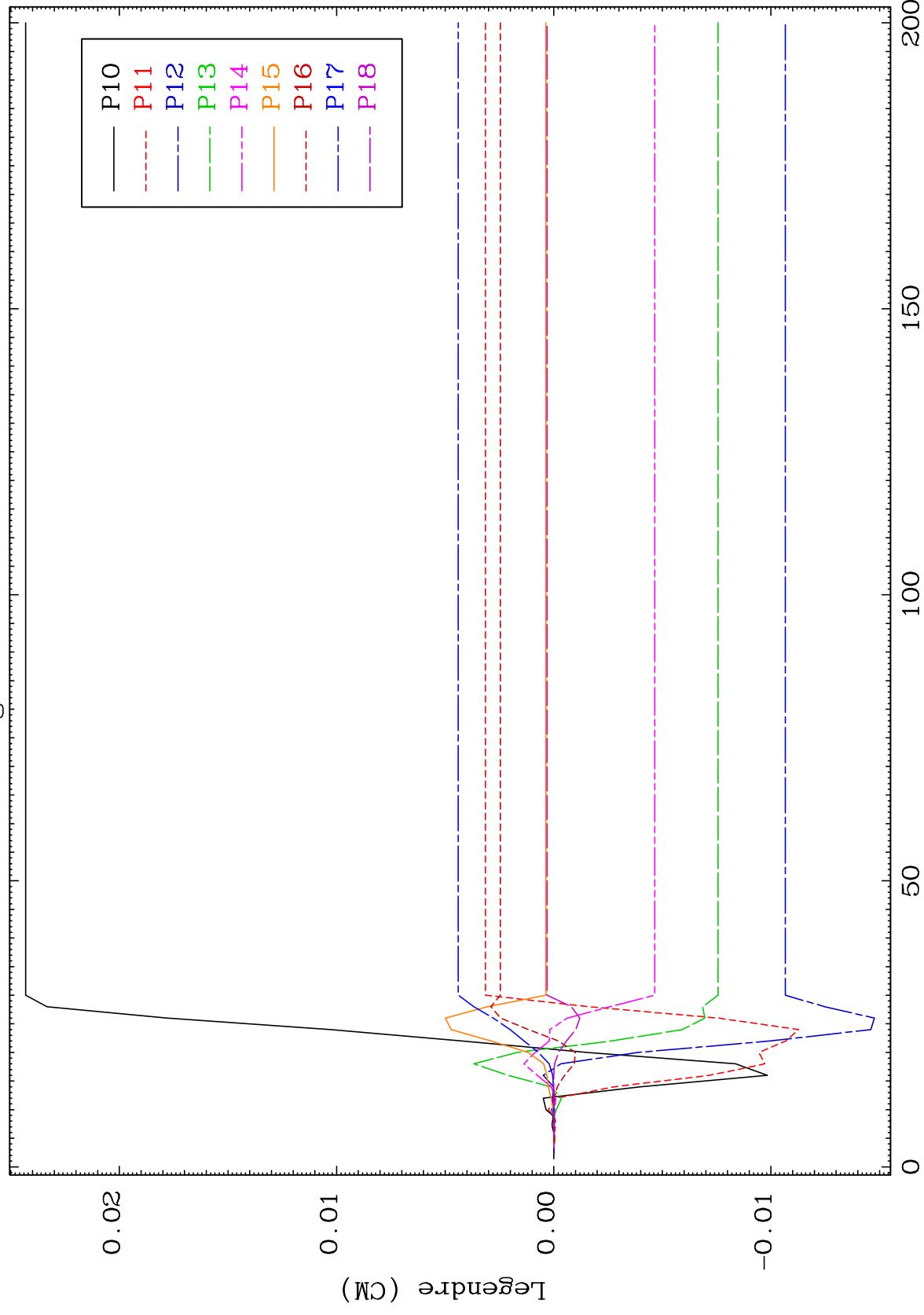
70-Yb-184



MAT 7073

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

70-Yb-184



71

Incident Energy (MeV)

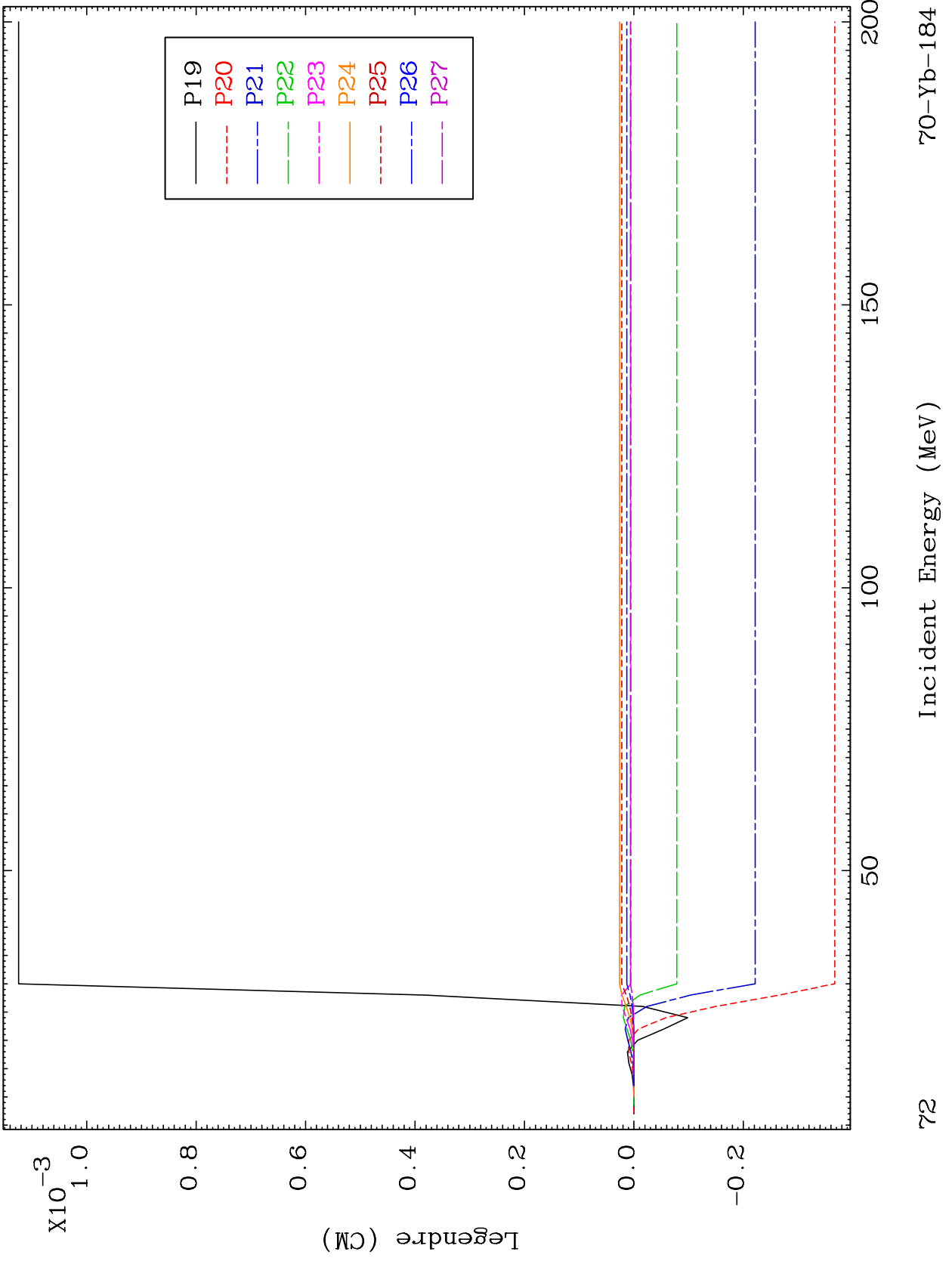
70-Yb-184



MAT 7073

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

70-Yb-184



72

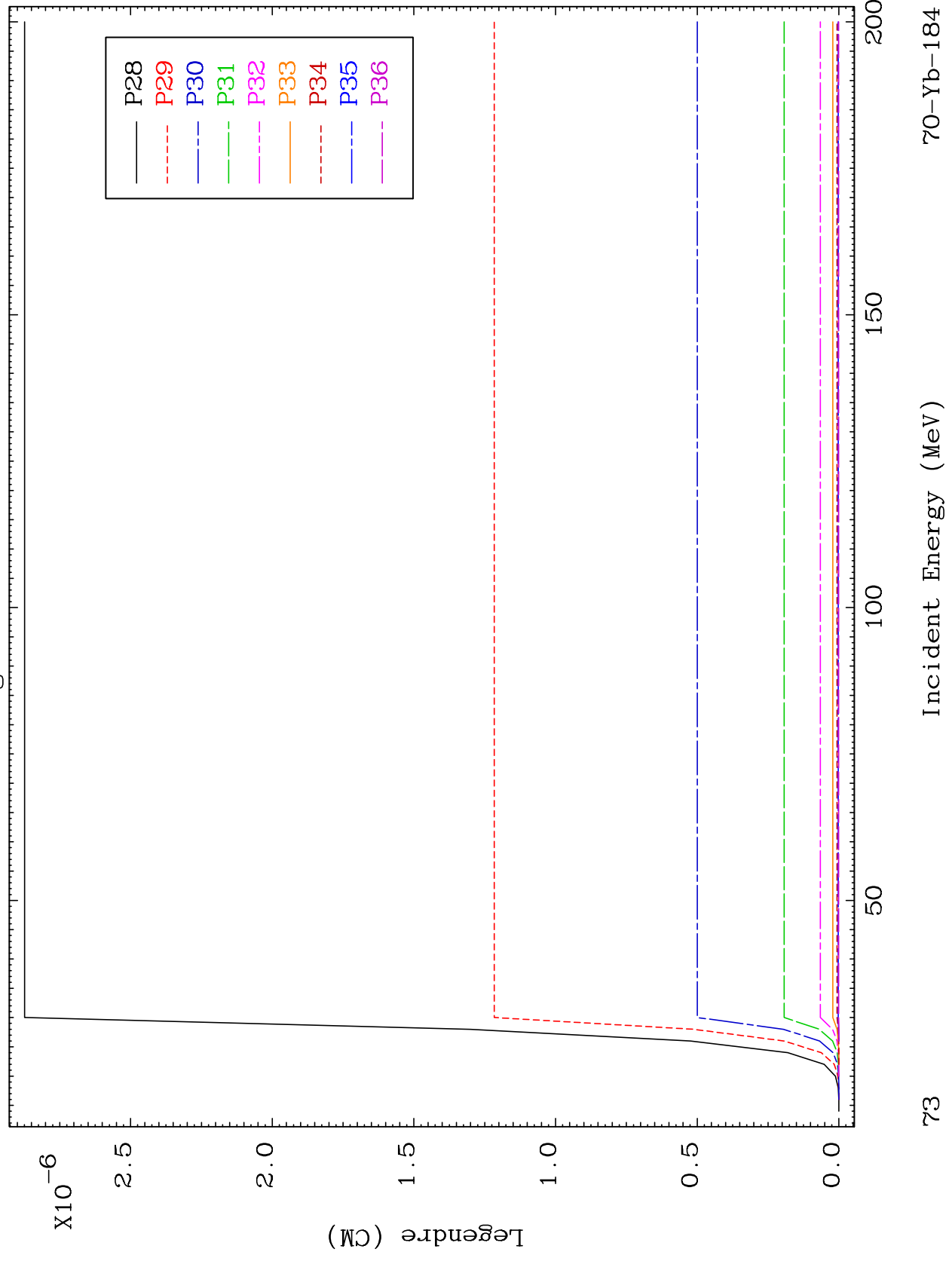
Incident Energy (MeV)

70-Yb-184

MAT 7073

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

70-Yb-184



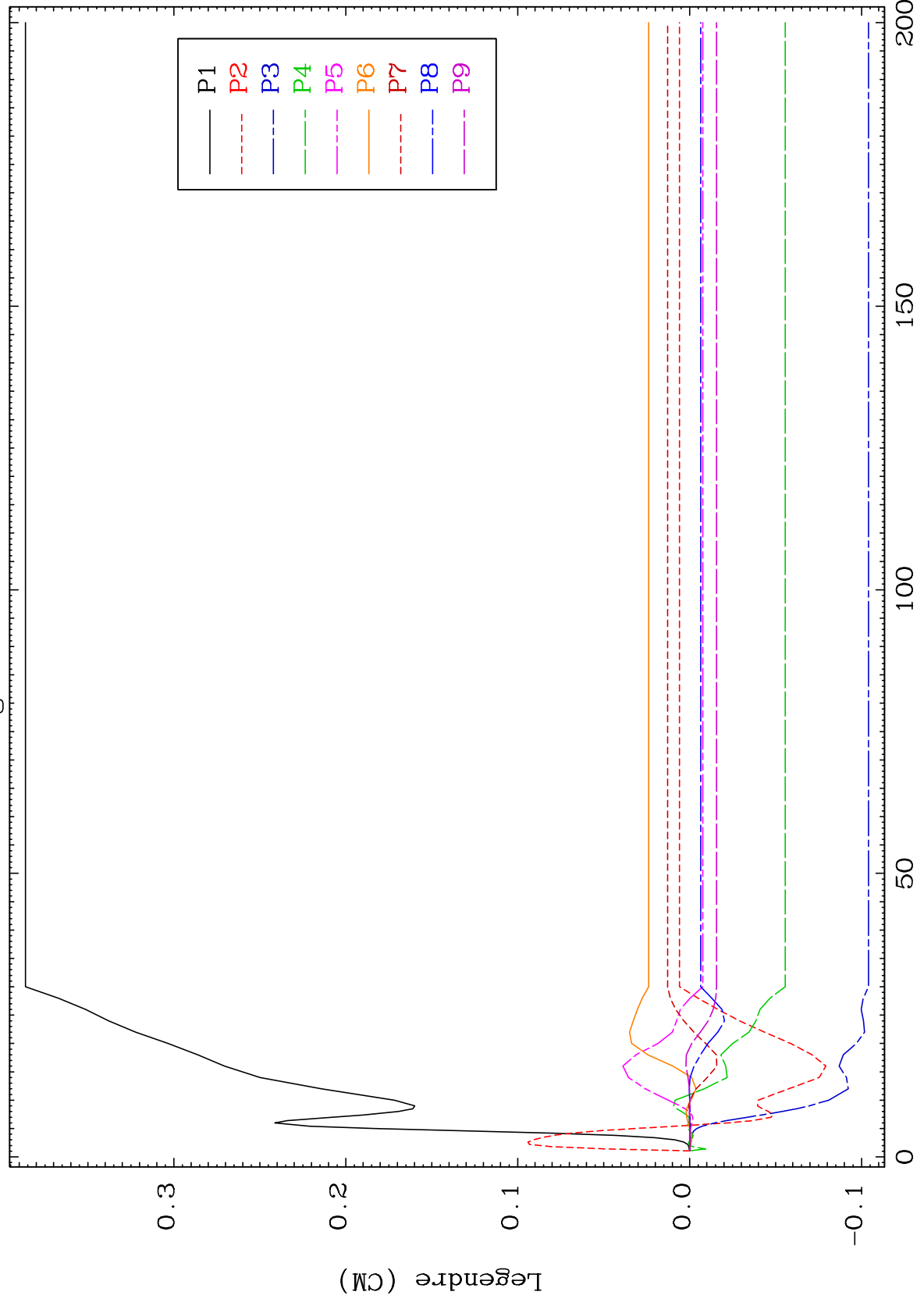
73

70-Yb-184

MAT 7073

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

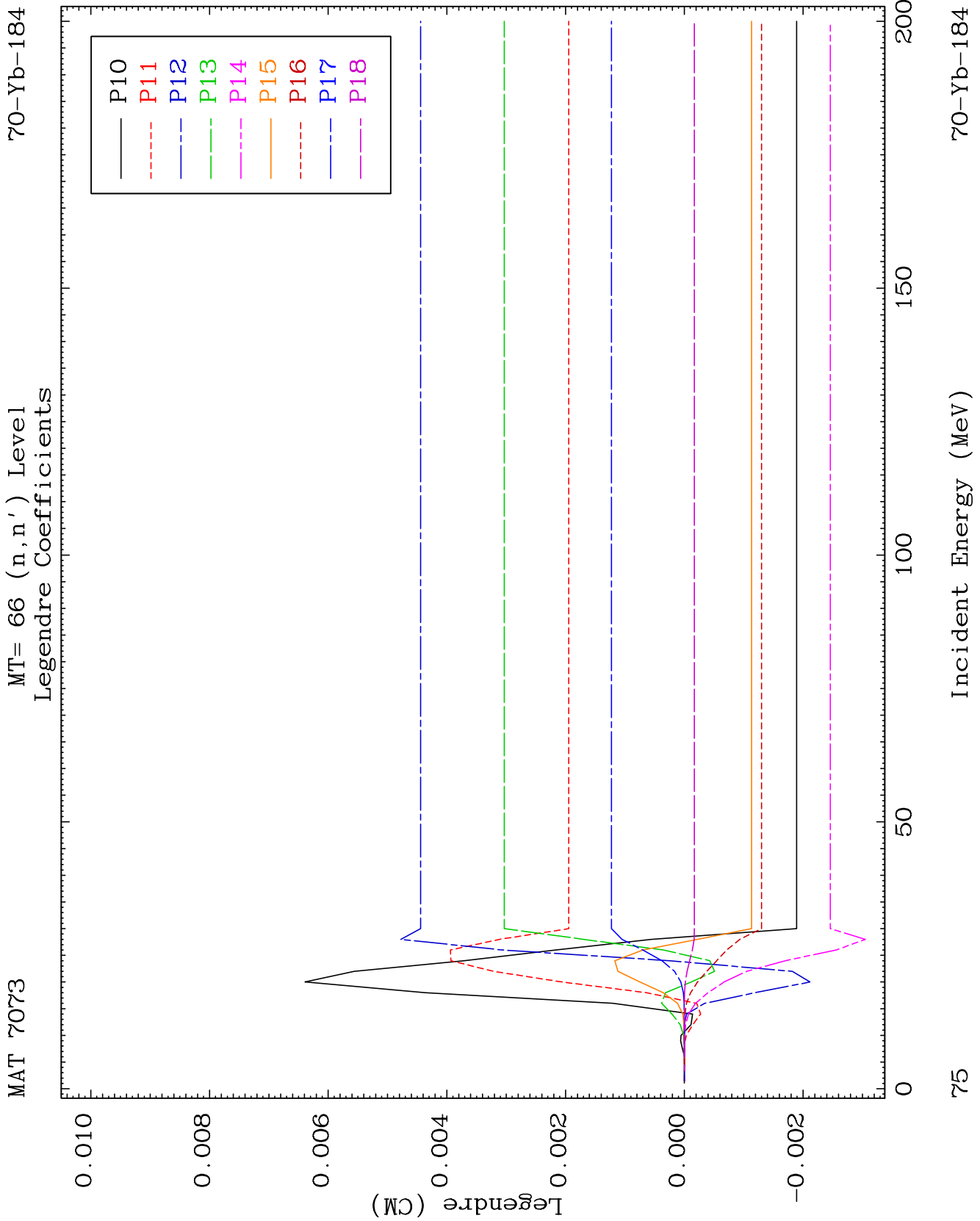
70-Yb-184



74

Incident Energy (MeV)

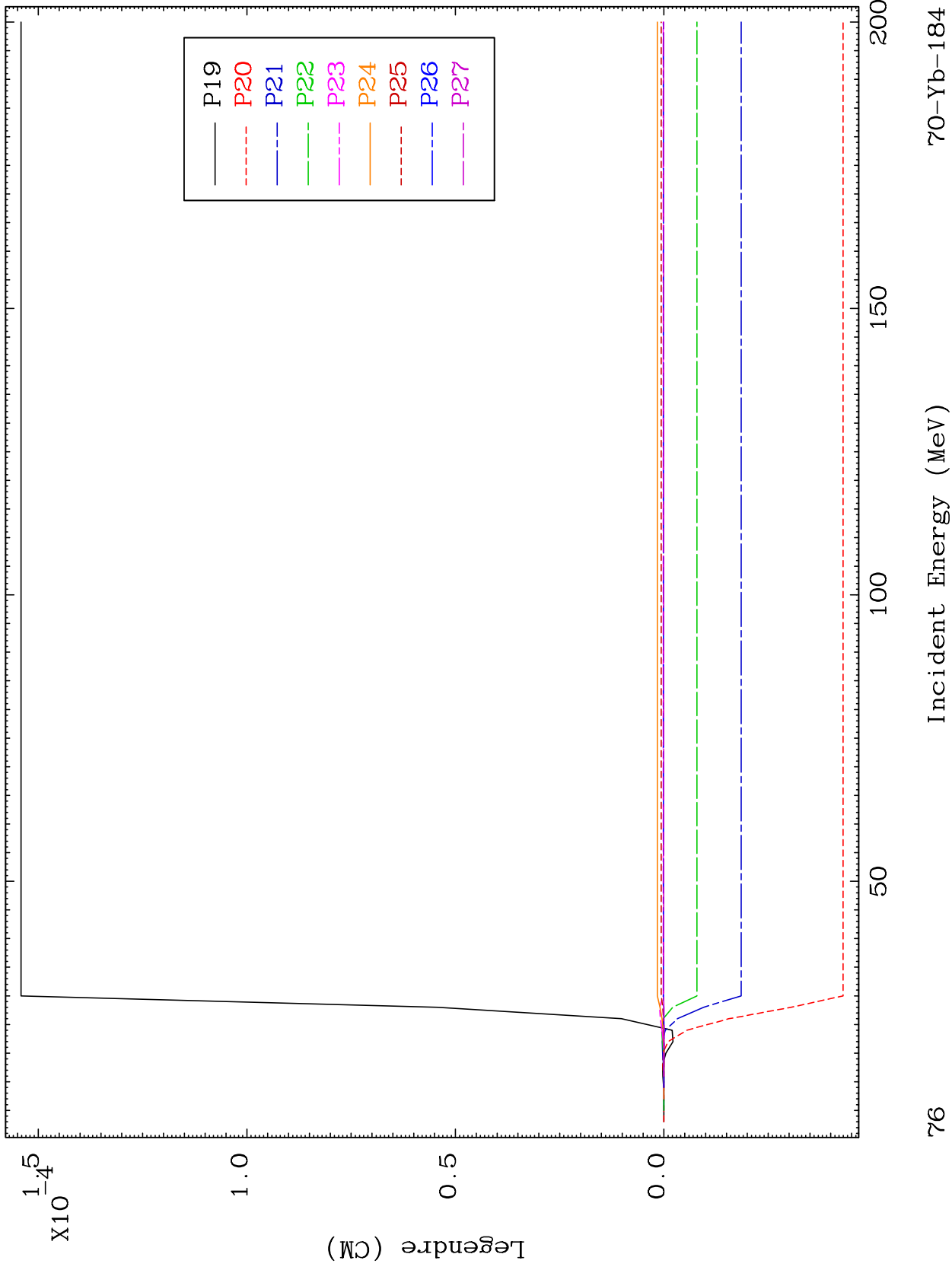
70-Yb-184



MAT 7073

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

70-Yb-184



76

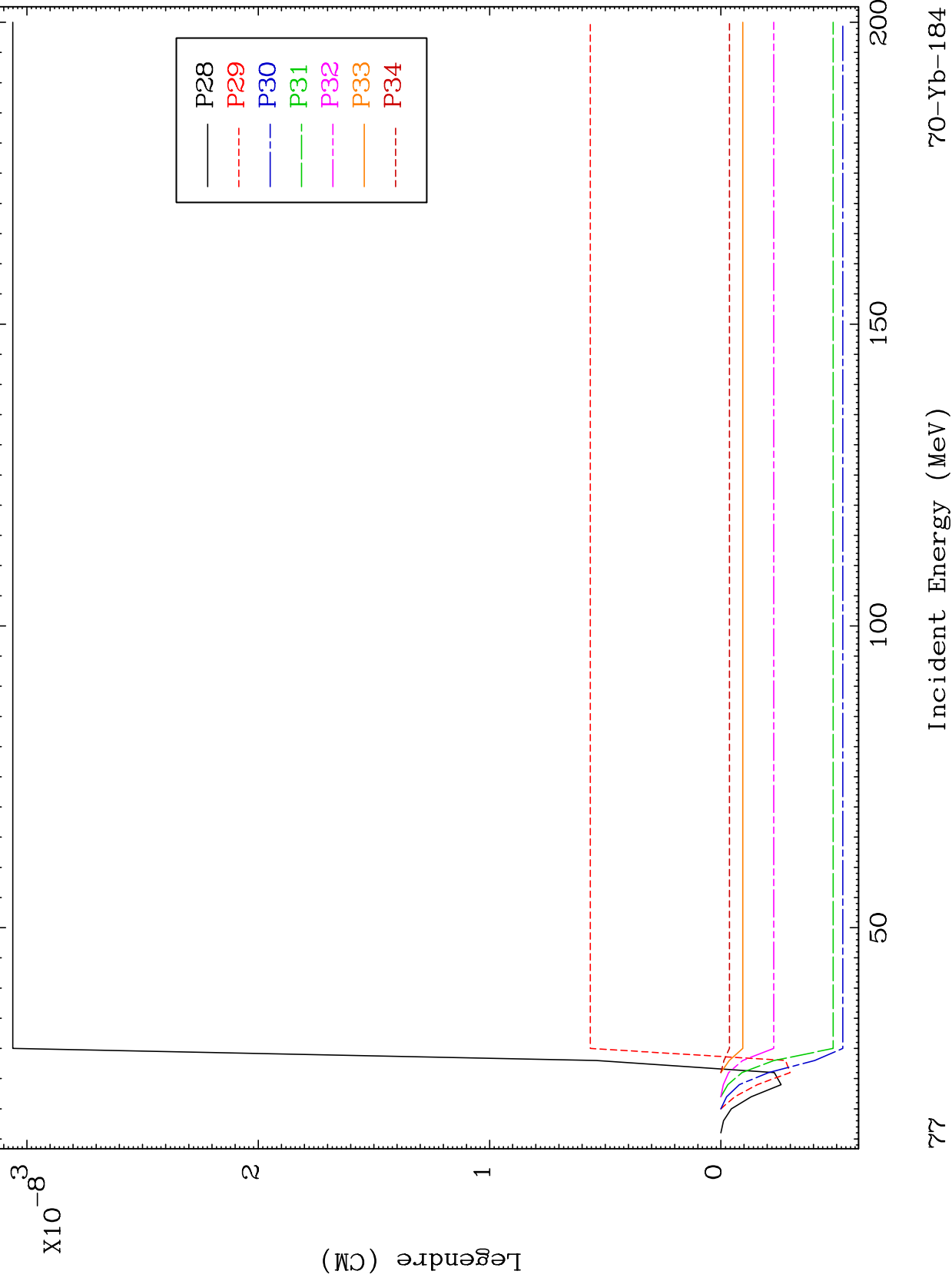
Incident Energy (MeV)

70-Yb-184

MAT 7073

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

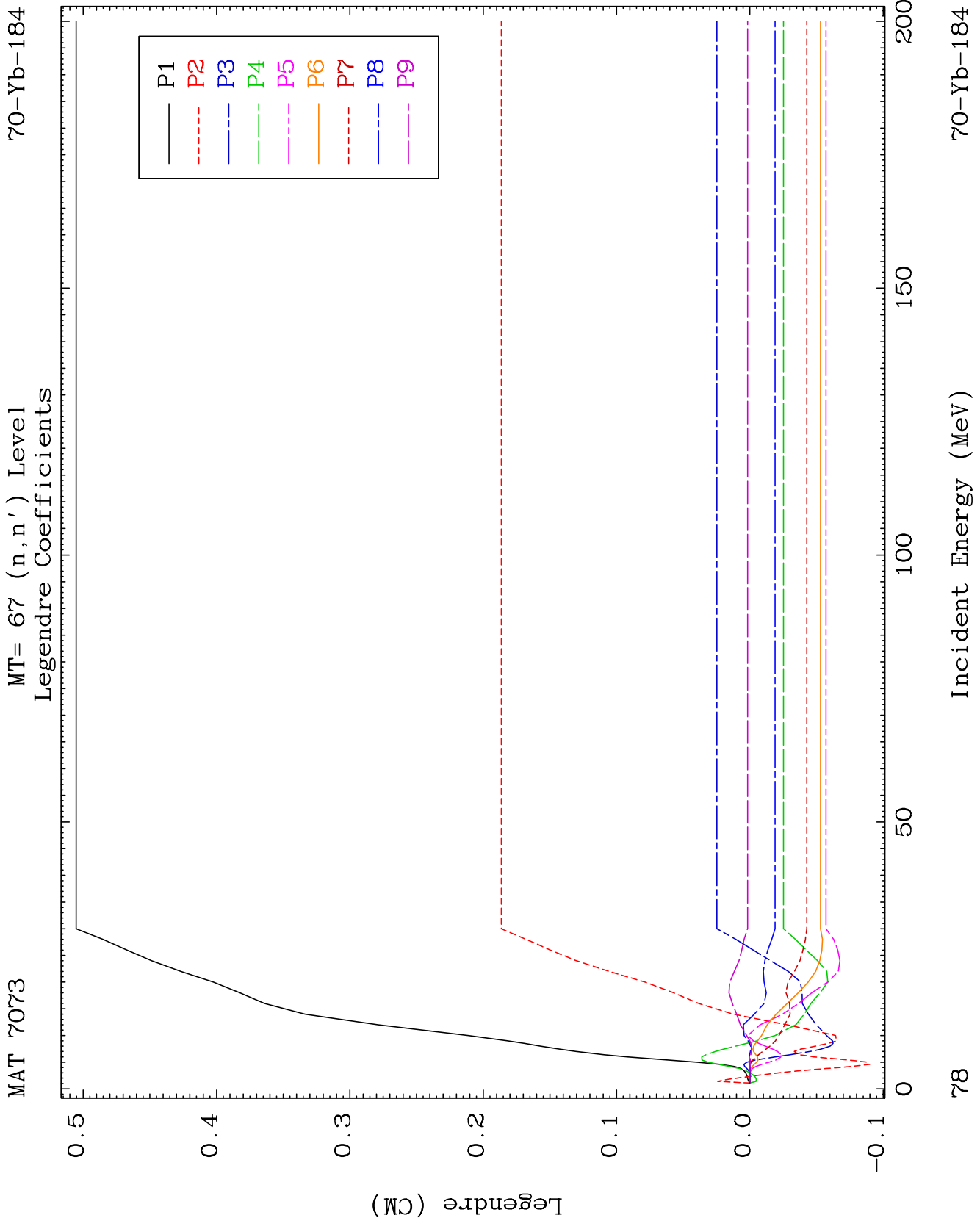
70-Yb-184

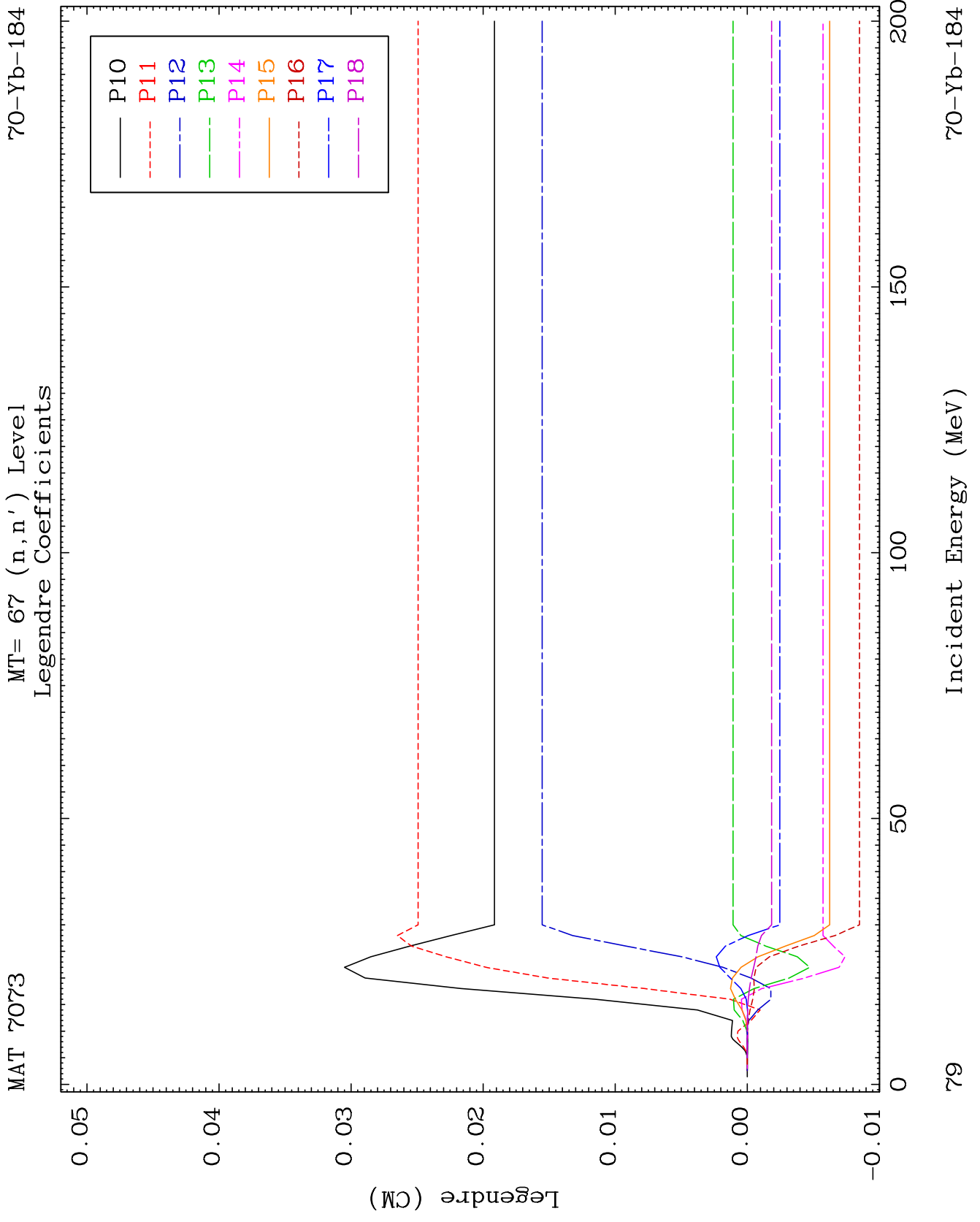


77

Incident Energy (MeV)

70-Yb-184



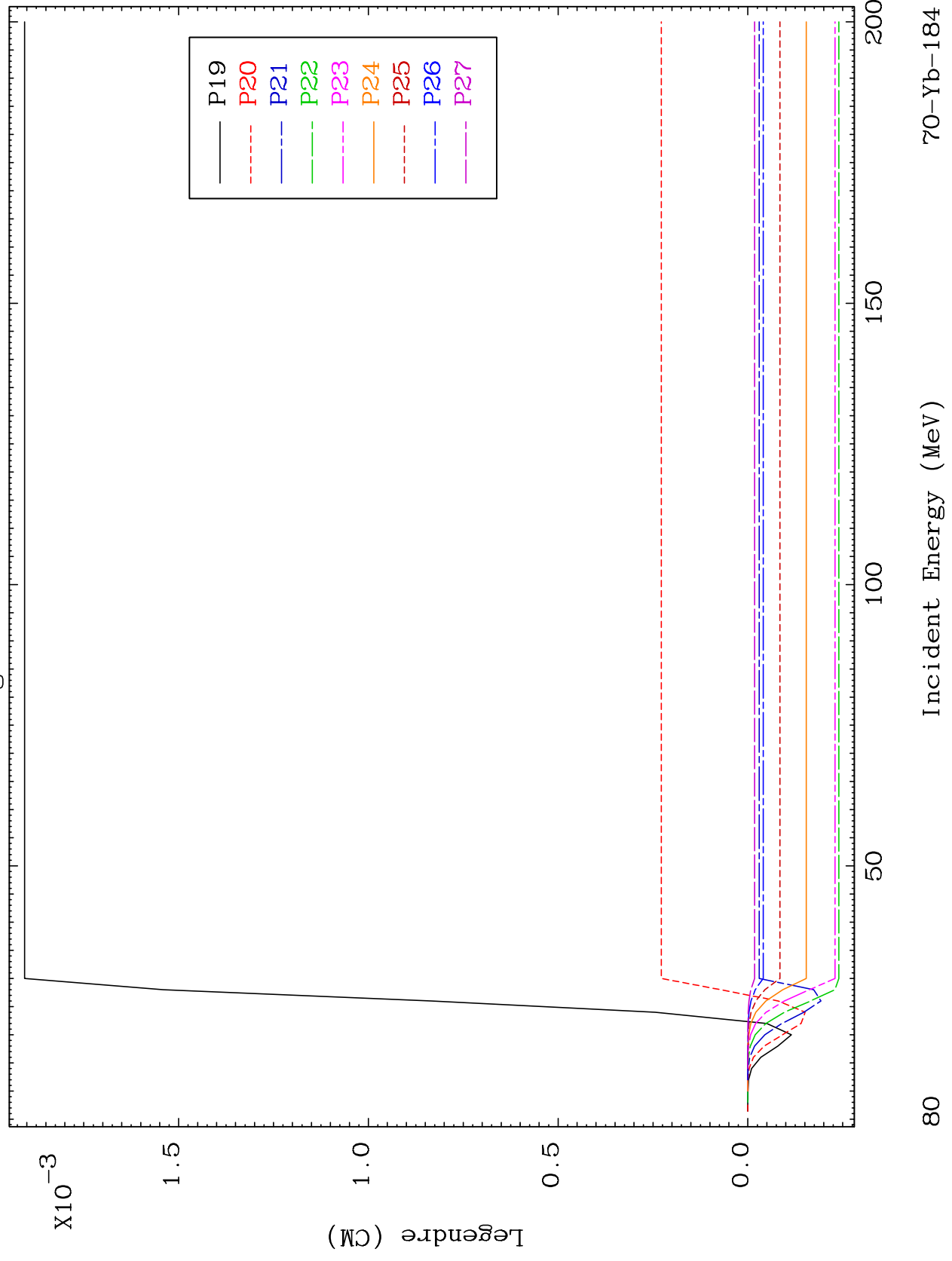




MAT 7073

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

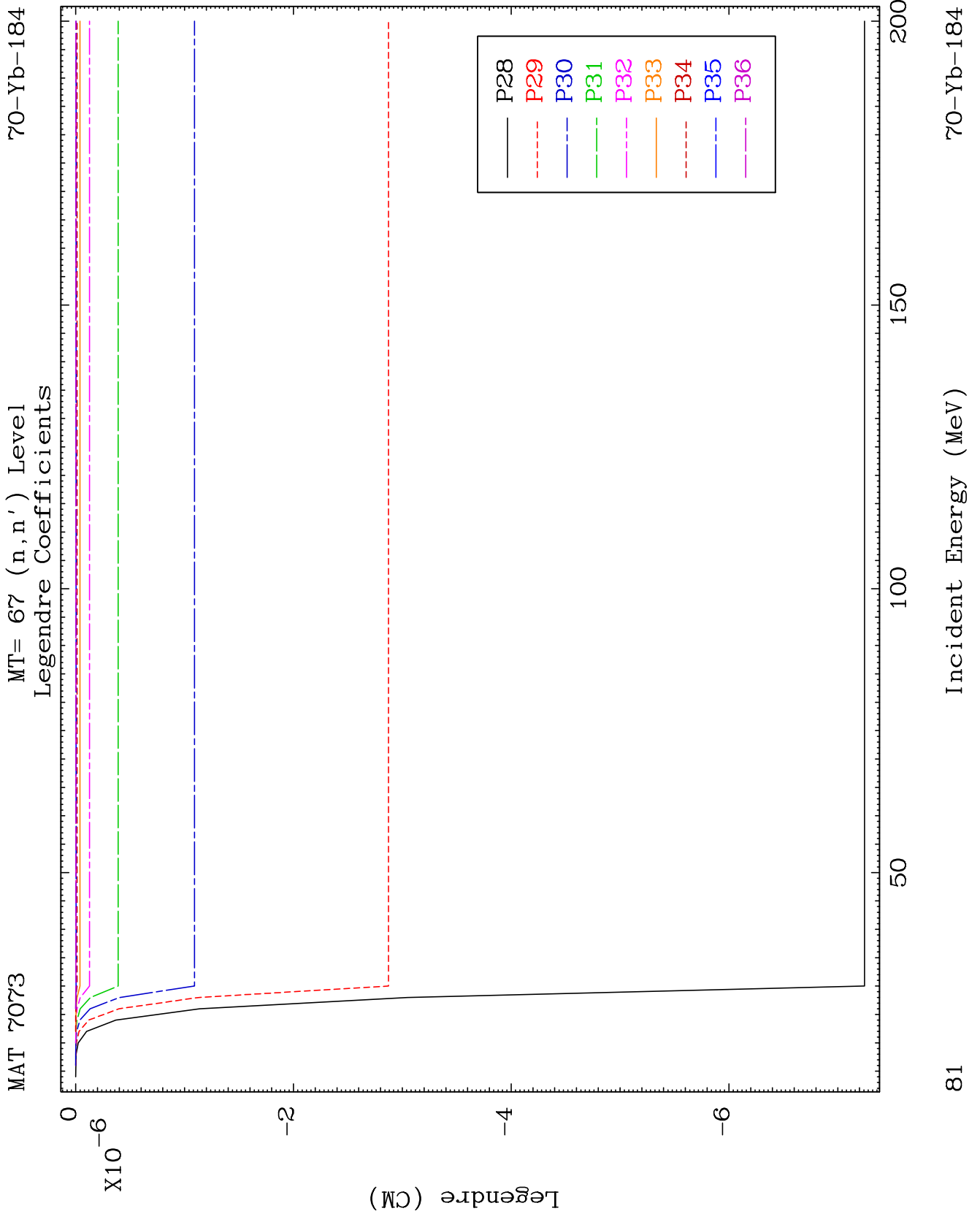
70-Yb-184

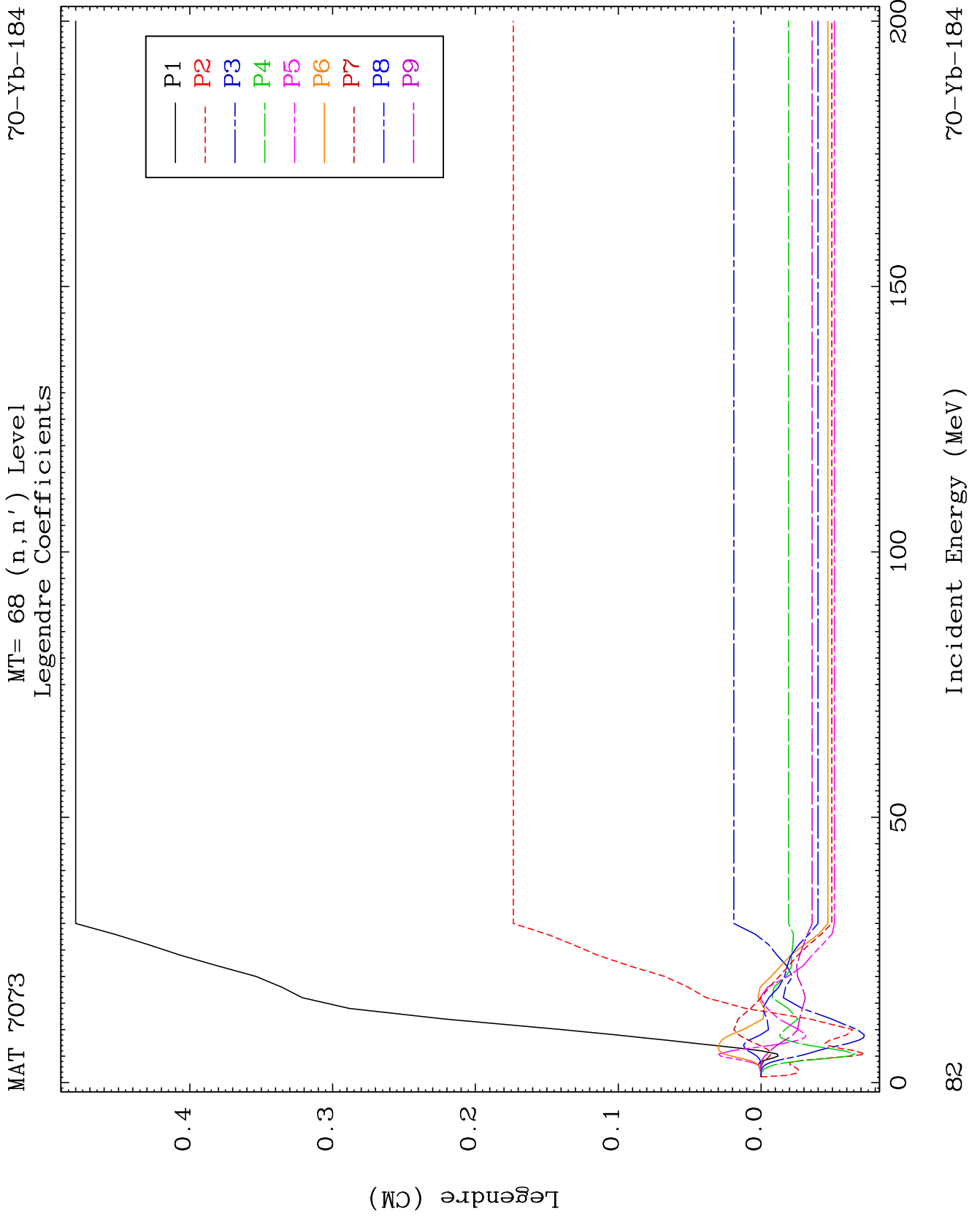


80

Incident Energy (MeV)

70-Yb-184

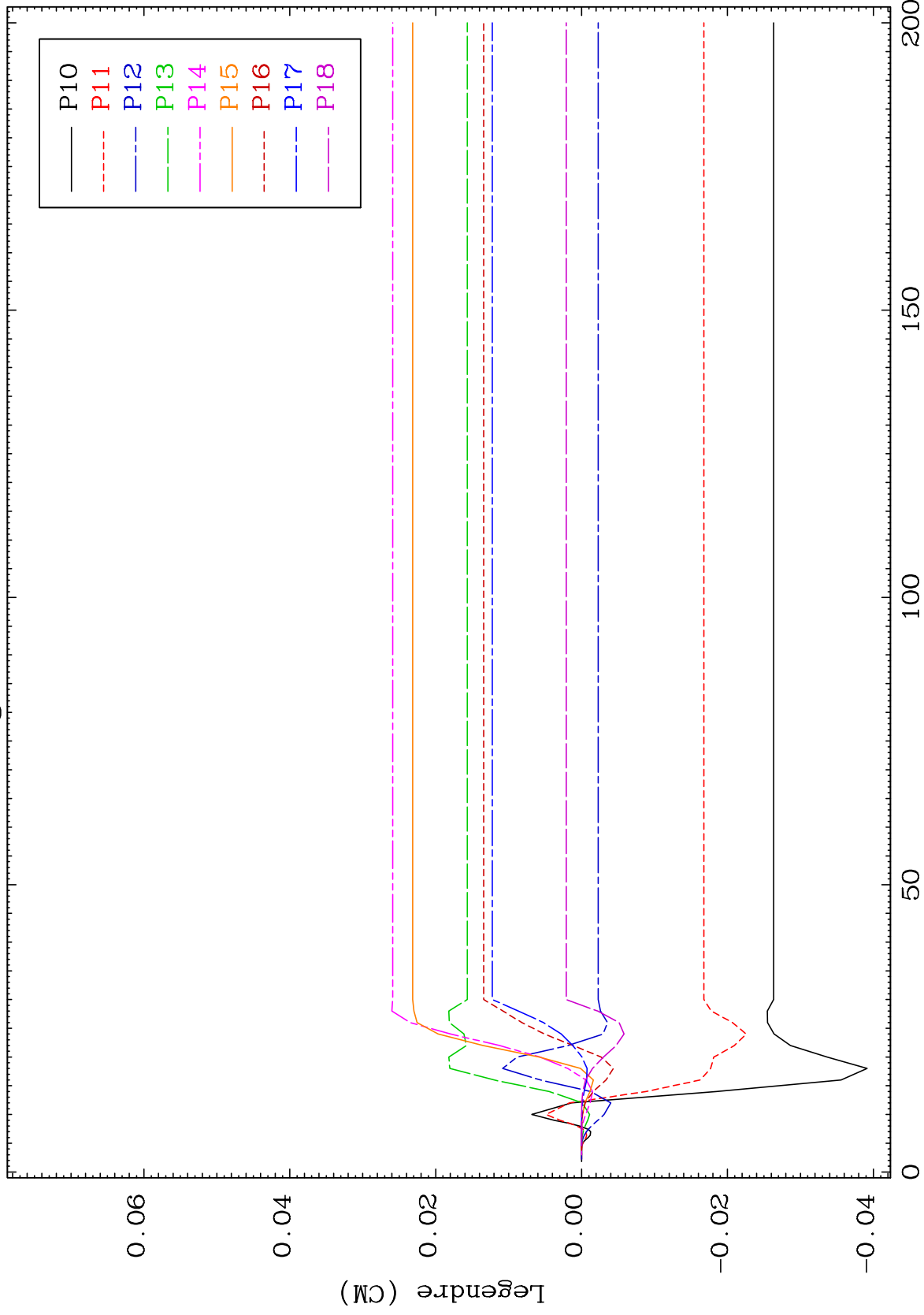




MAT 7073

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

70-Yb-184



83

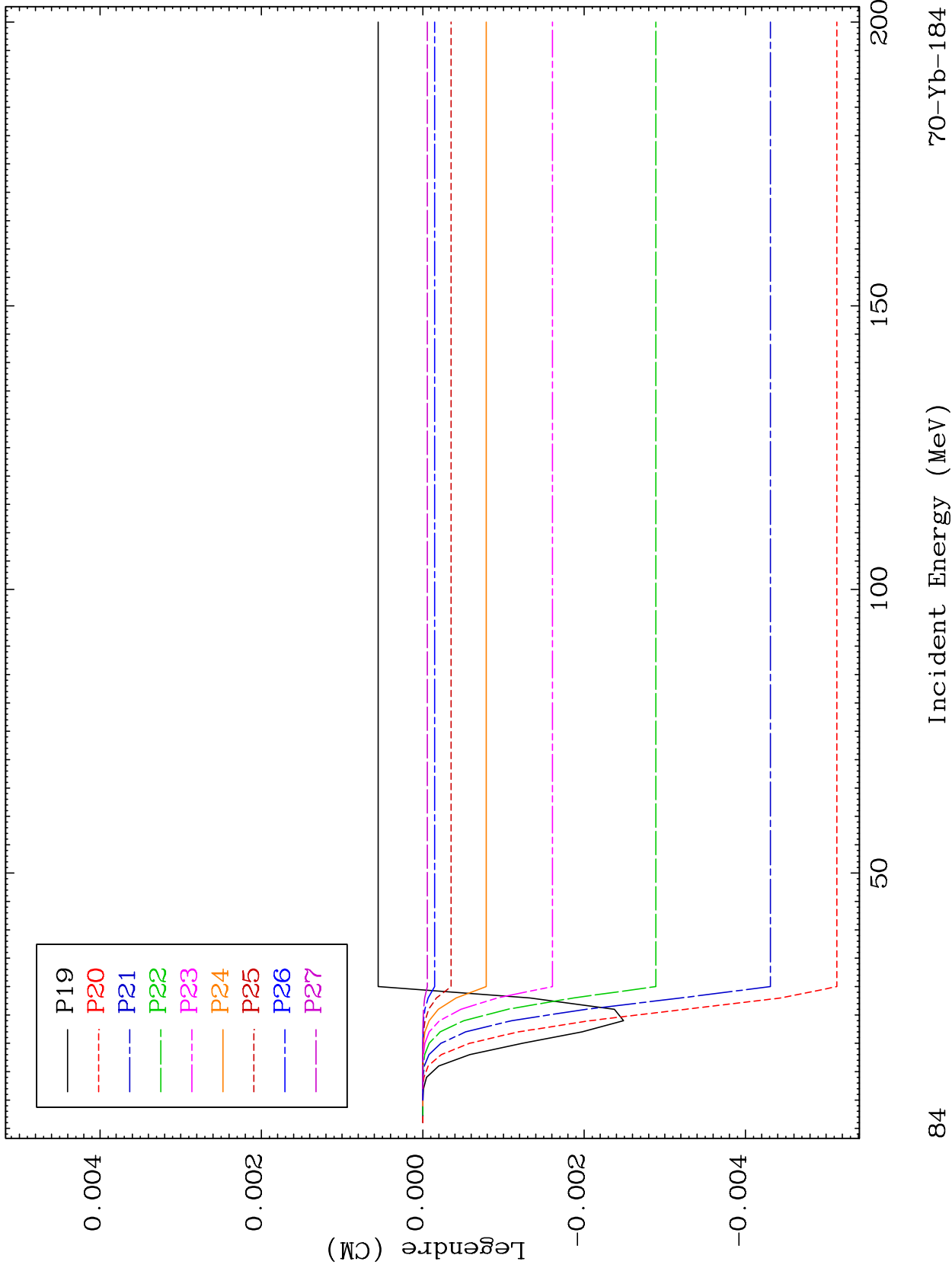
Incident Energy (MeV)

70-Yb-184

MAT 7073

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

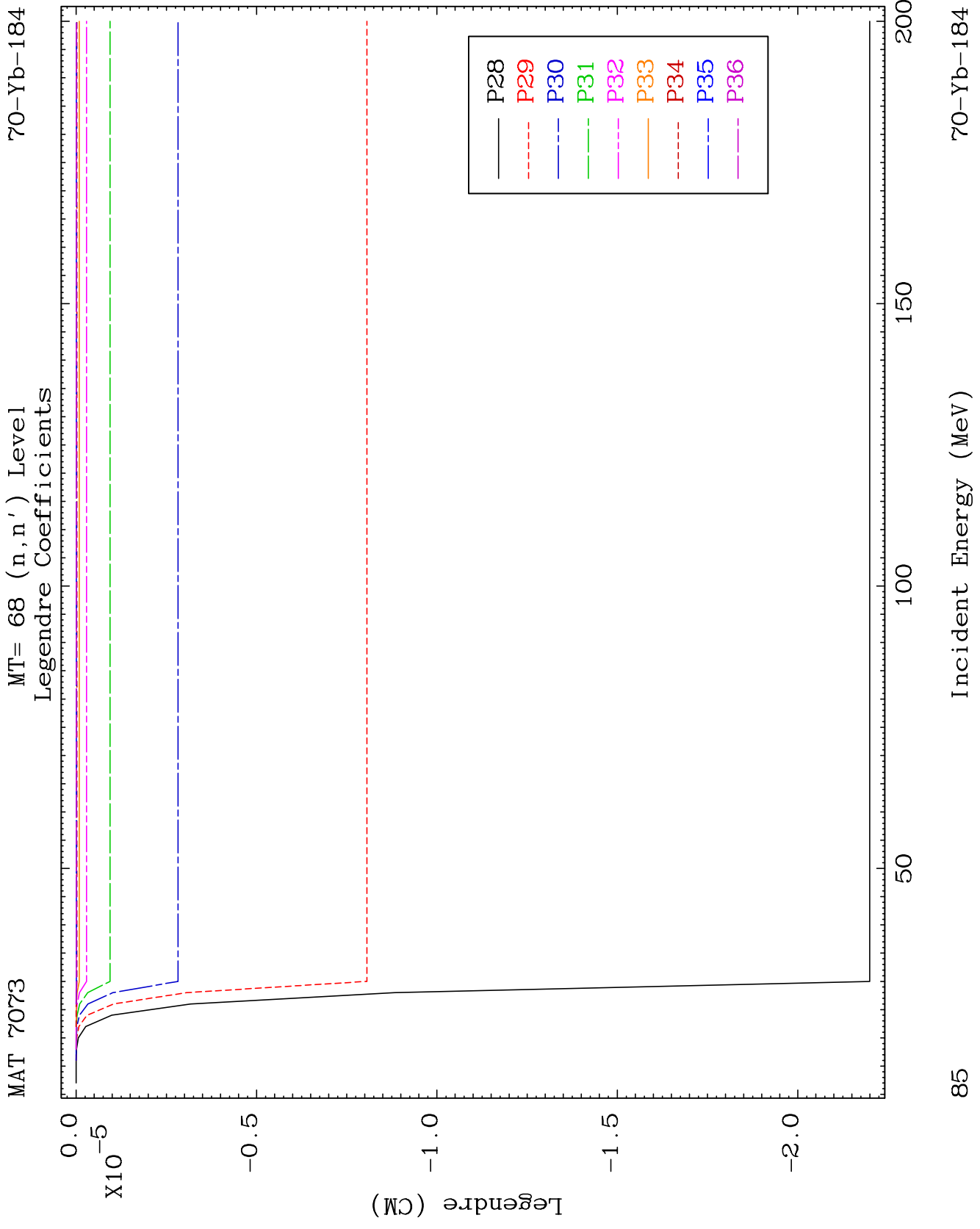
70-Yb-184

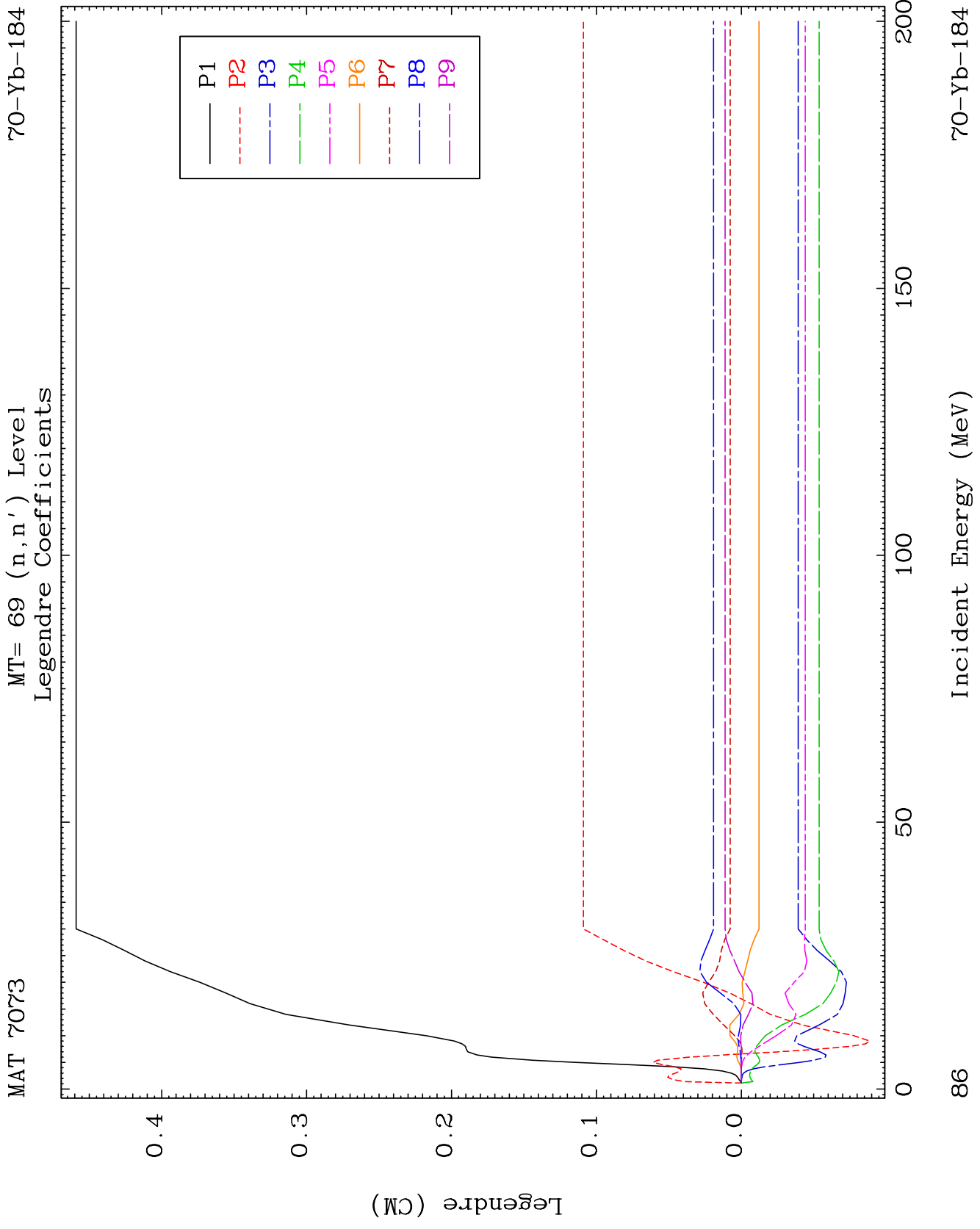


84

Incident Energy (MeV)

70-Yb-184





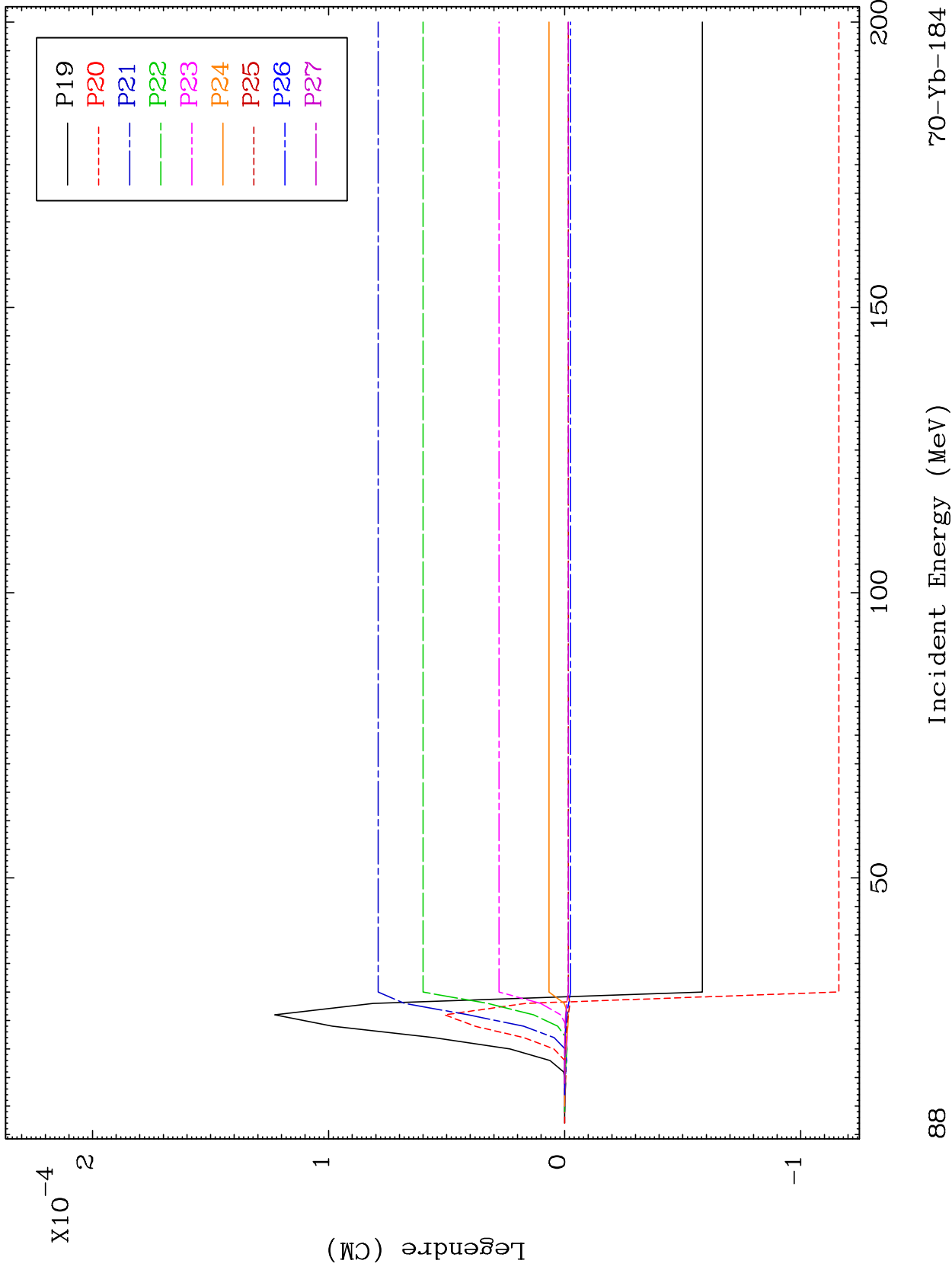


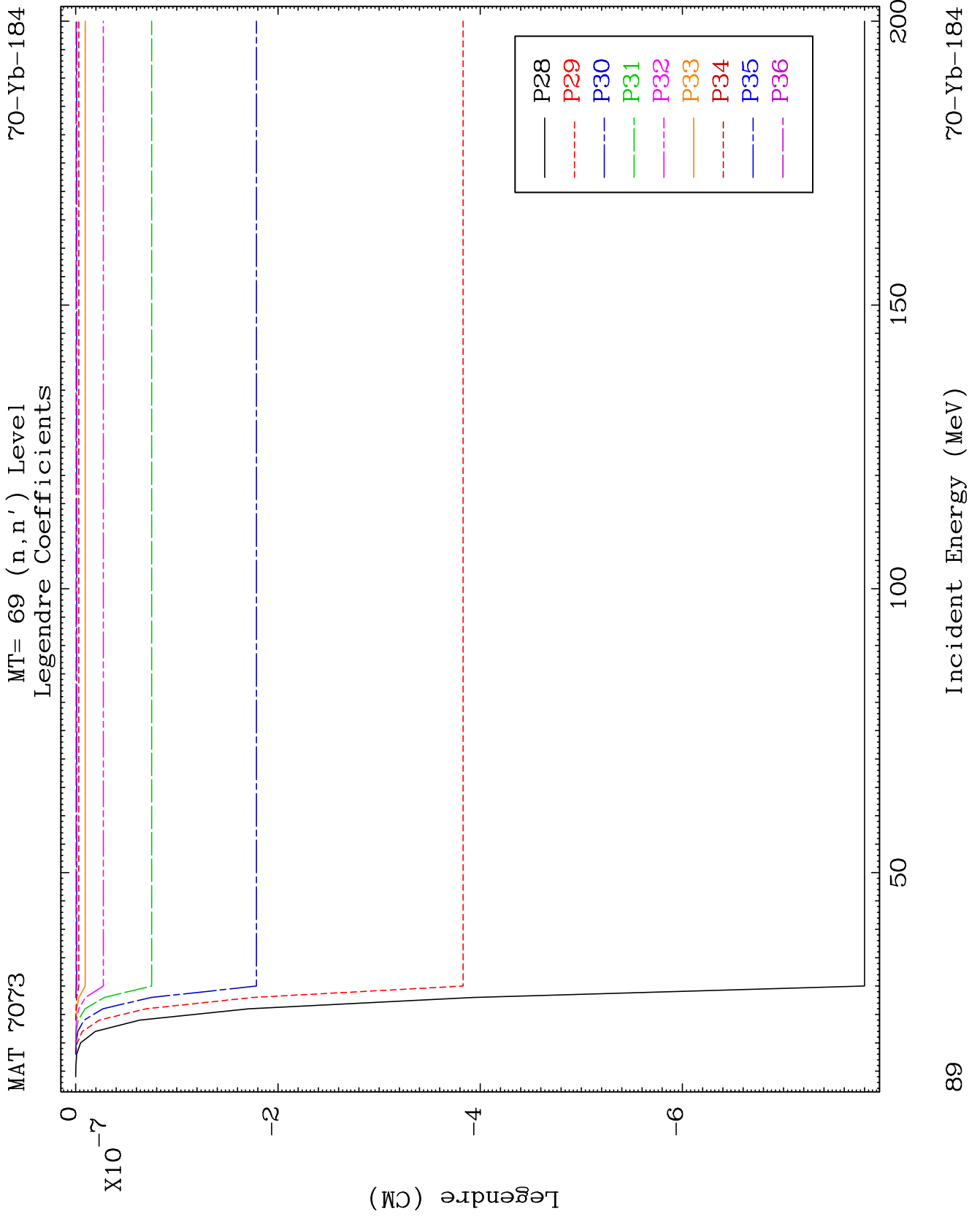


MAT 7073

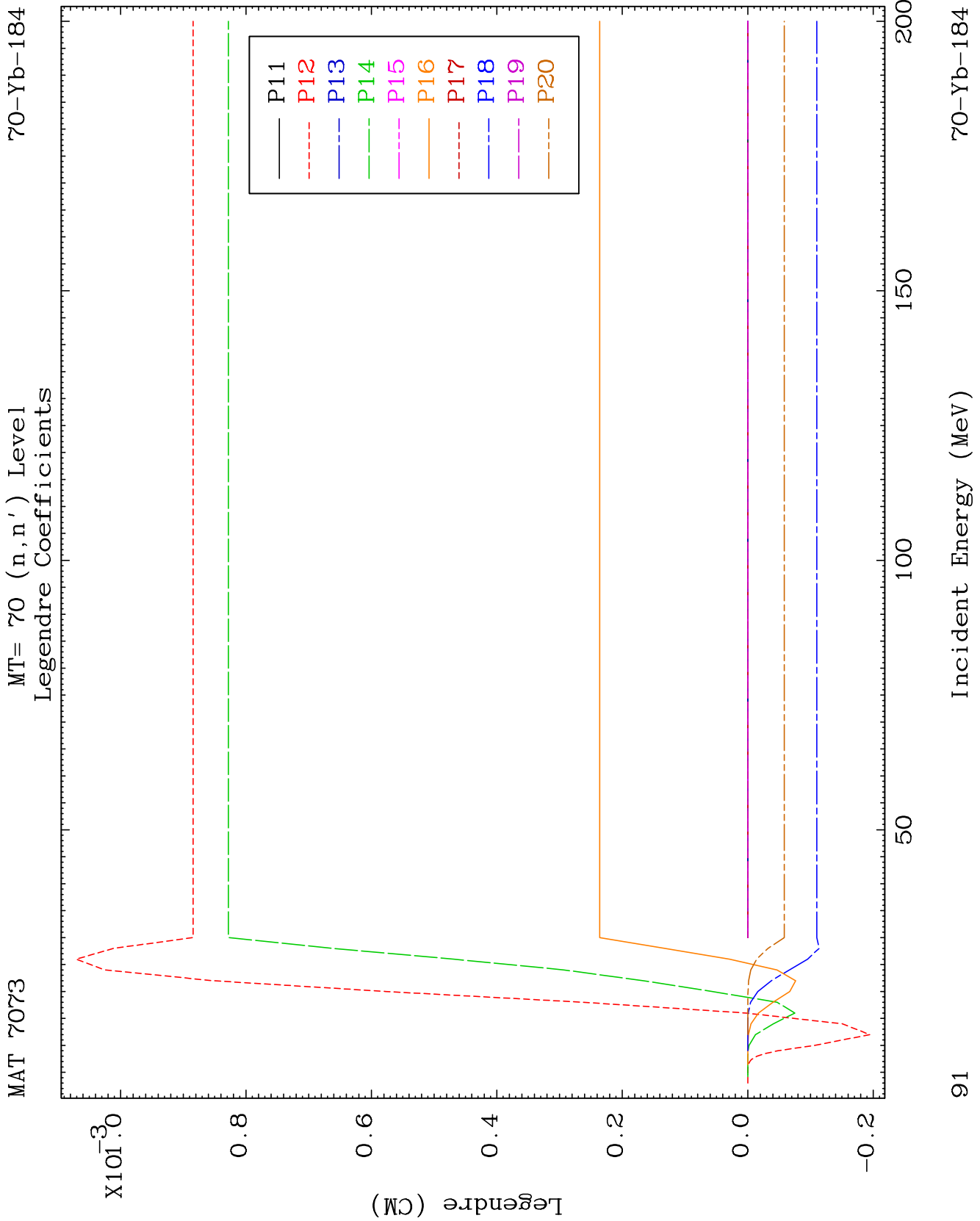
MT= 69 (n,n') Level  
Legendre Coefficients

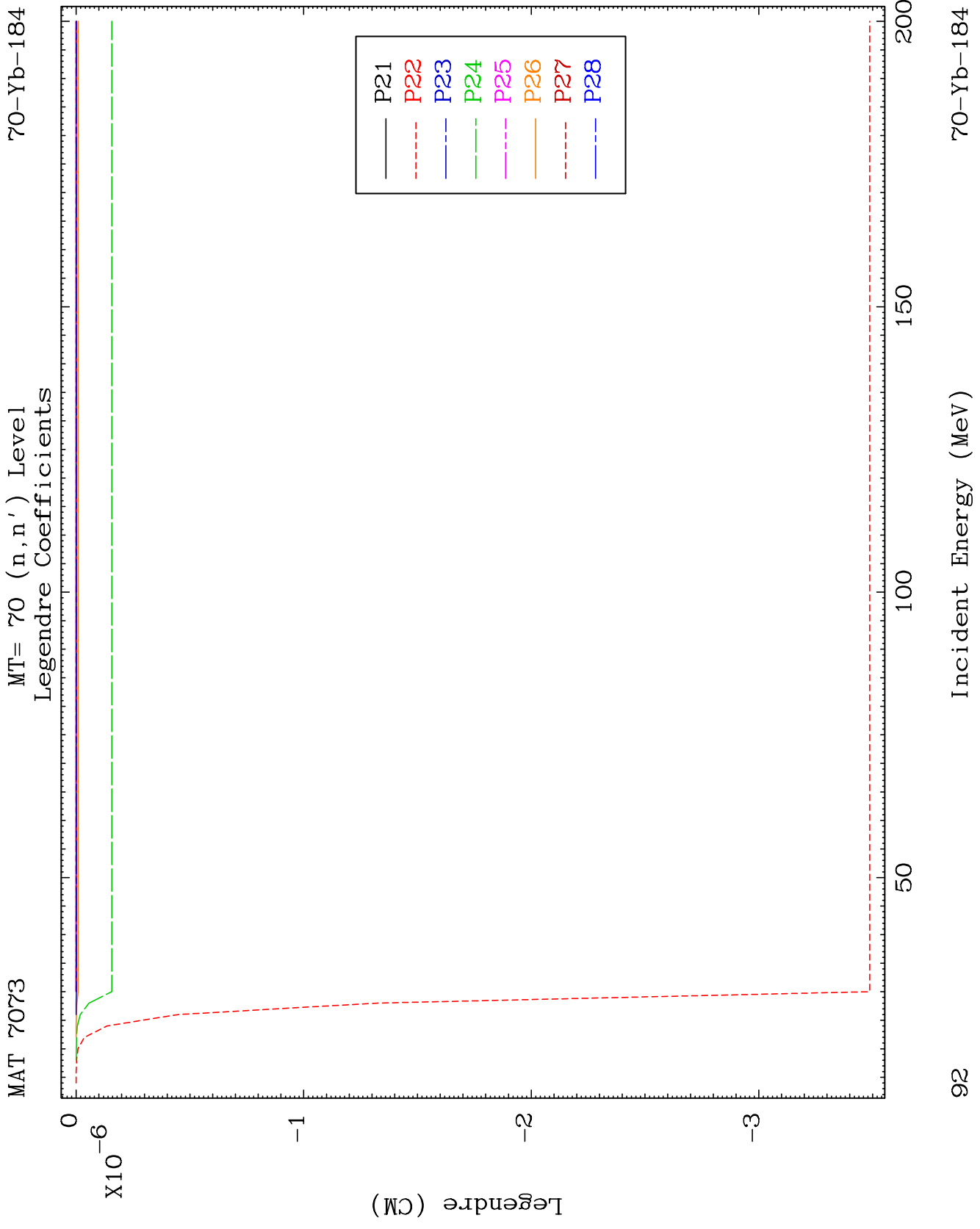
70-Yb-184







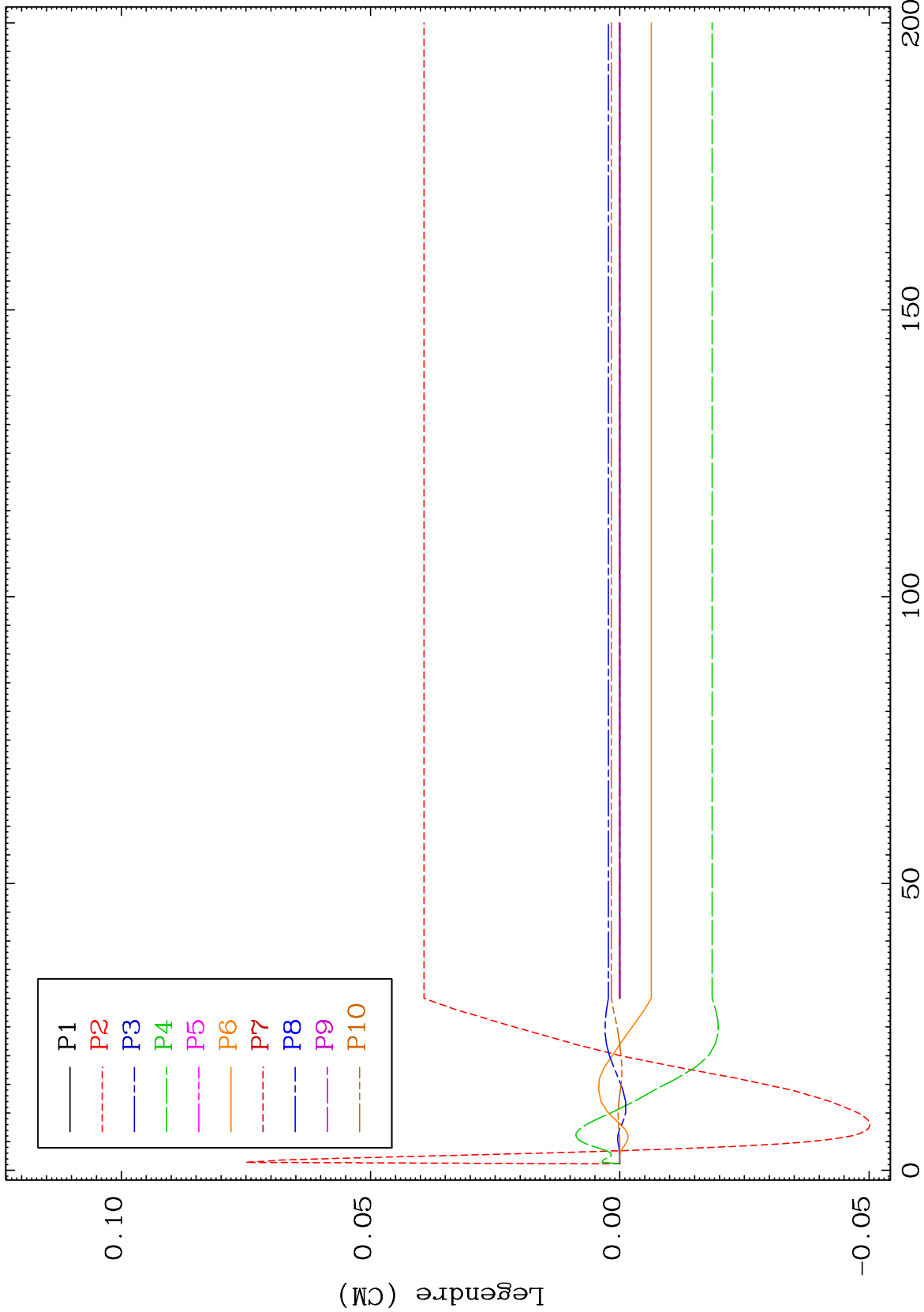




MAT 7073

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

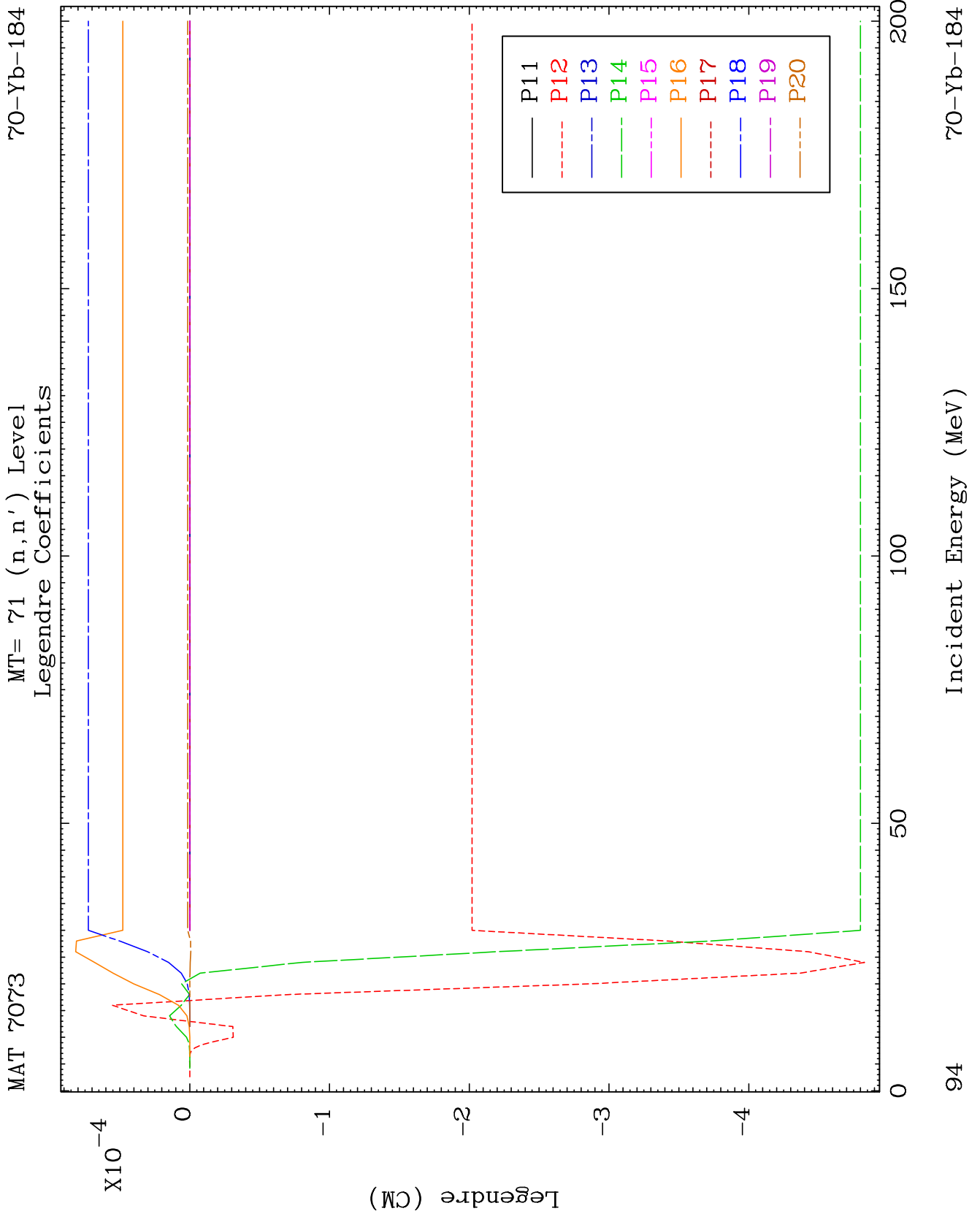
70-Yb-184

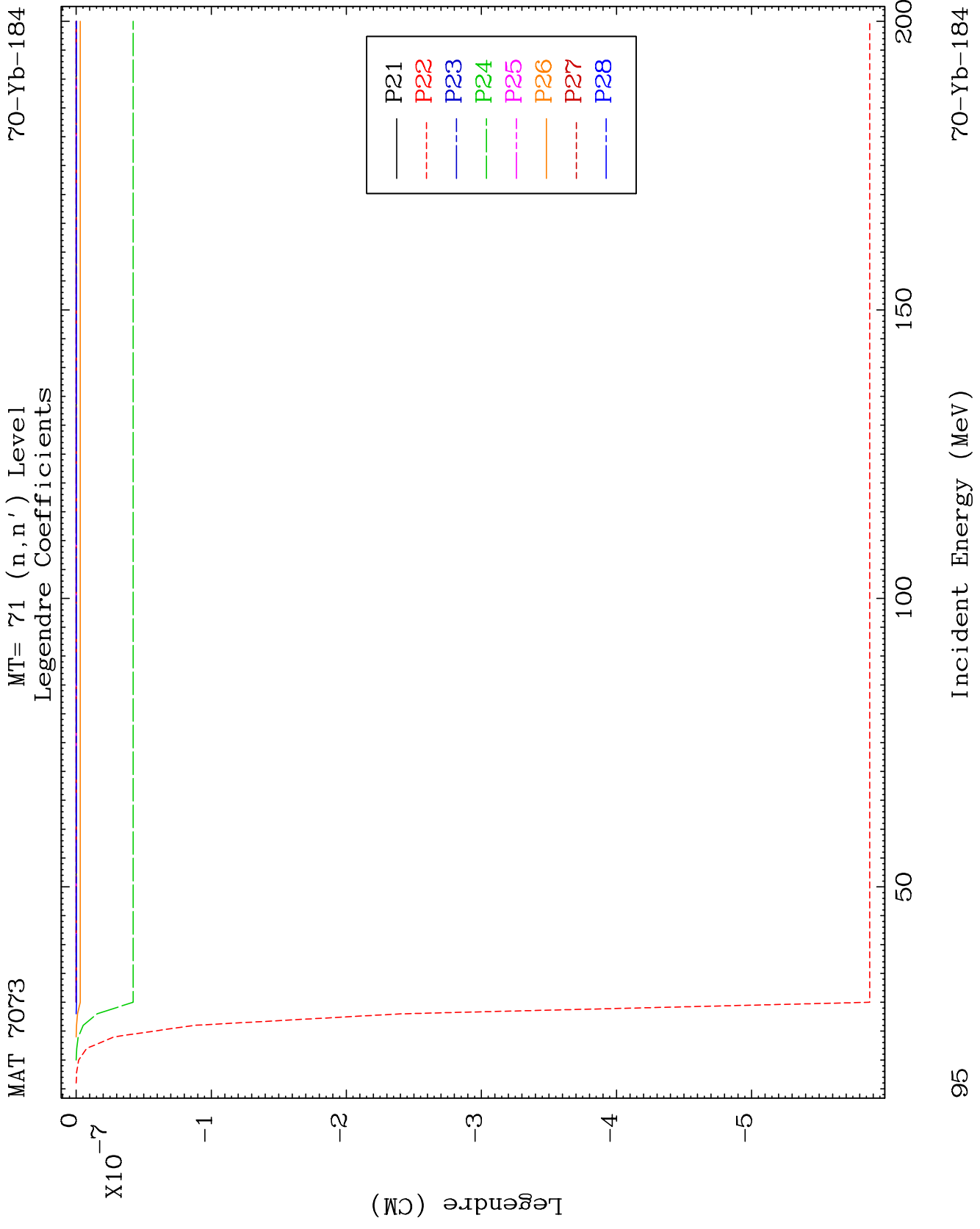


93

Incident Energy (MeV)

70-Yb-184



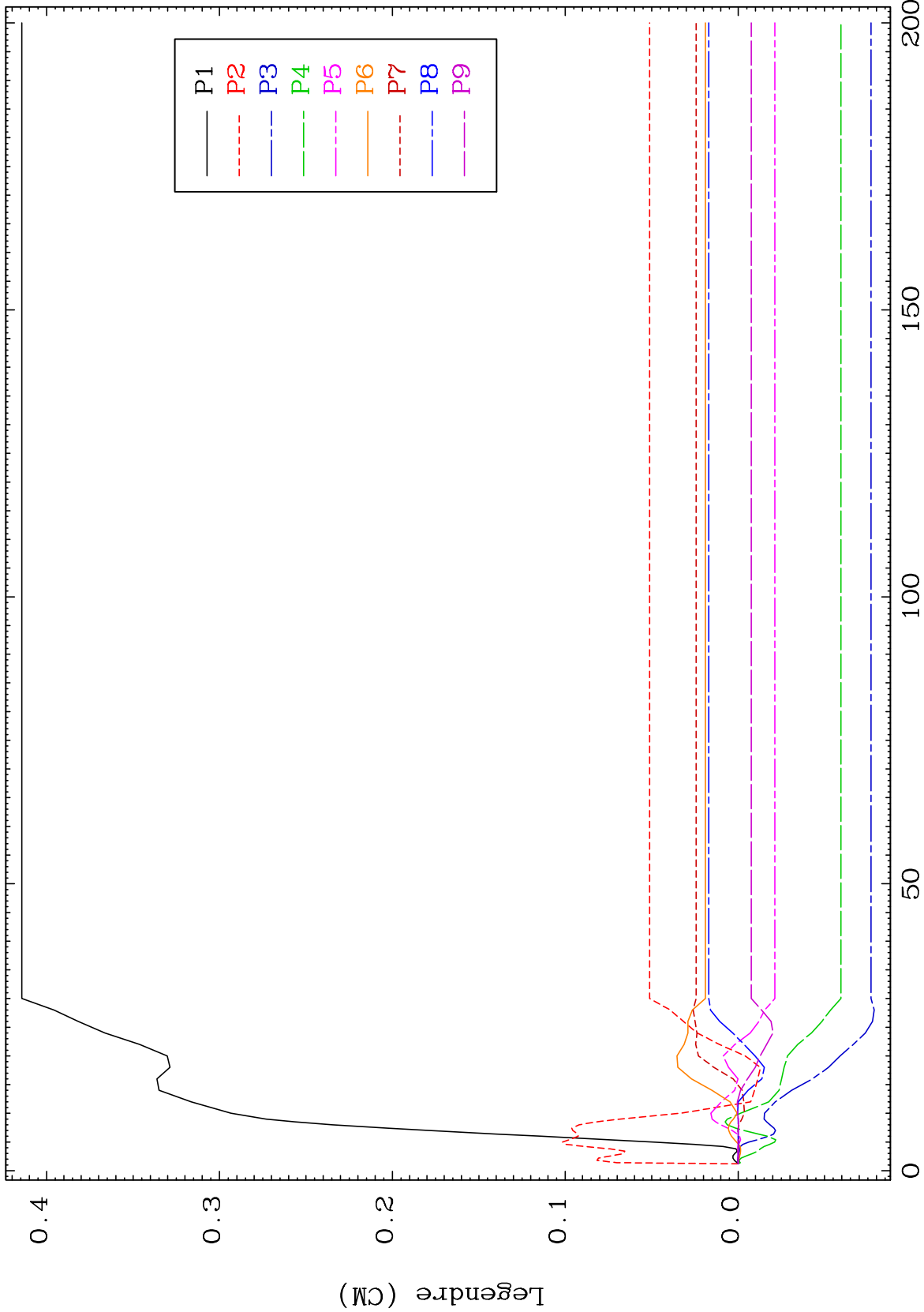




MAT 7073

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

70-Yb-184



96

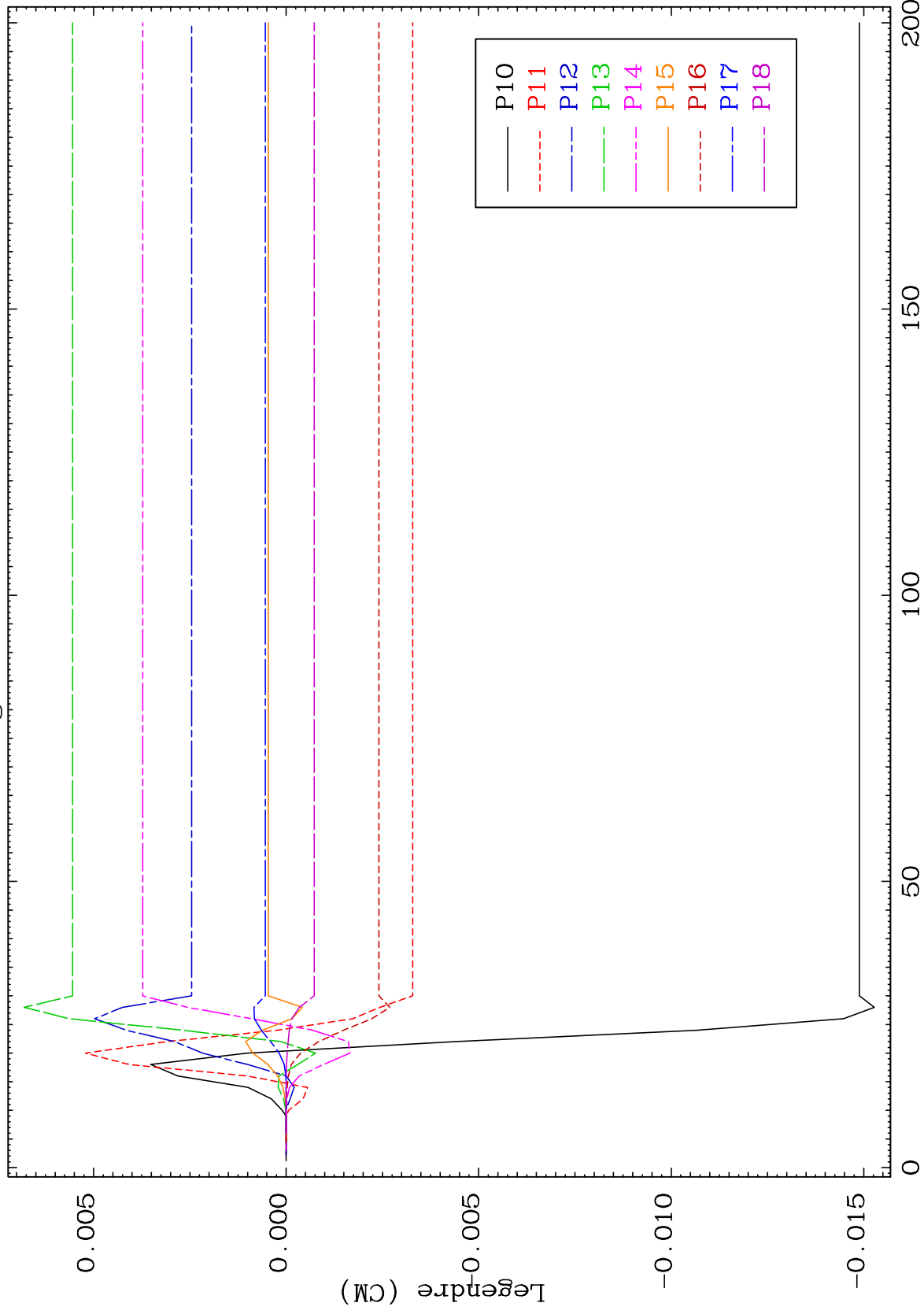
Incident Energy (MeV)

70-Yb-184

MAT 7073

70-Yb-184

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



97

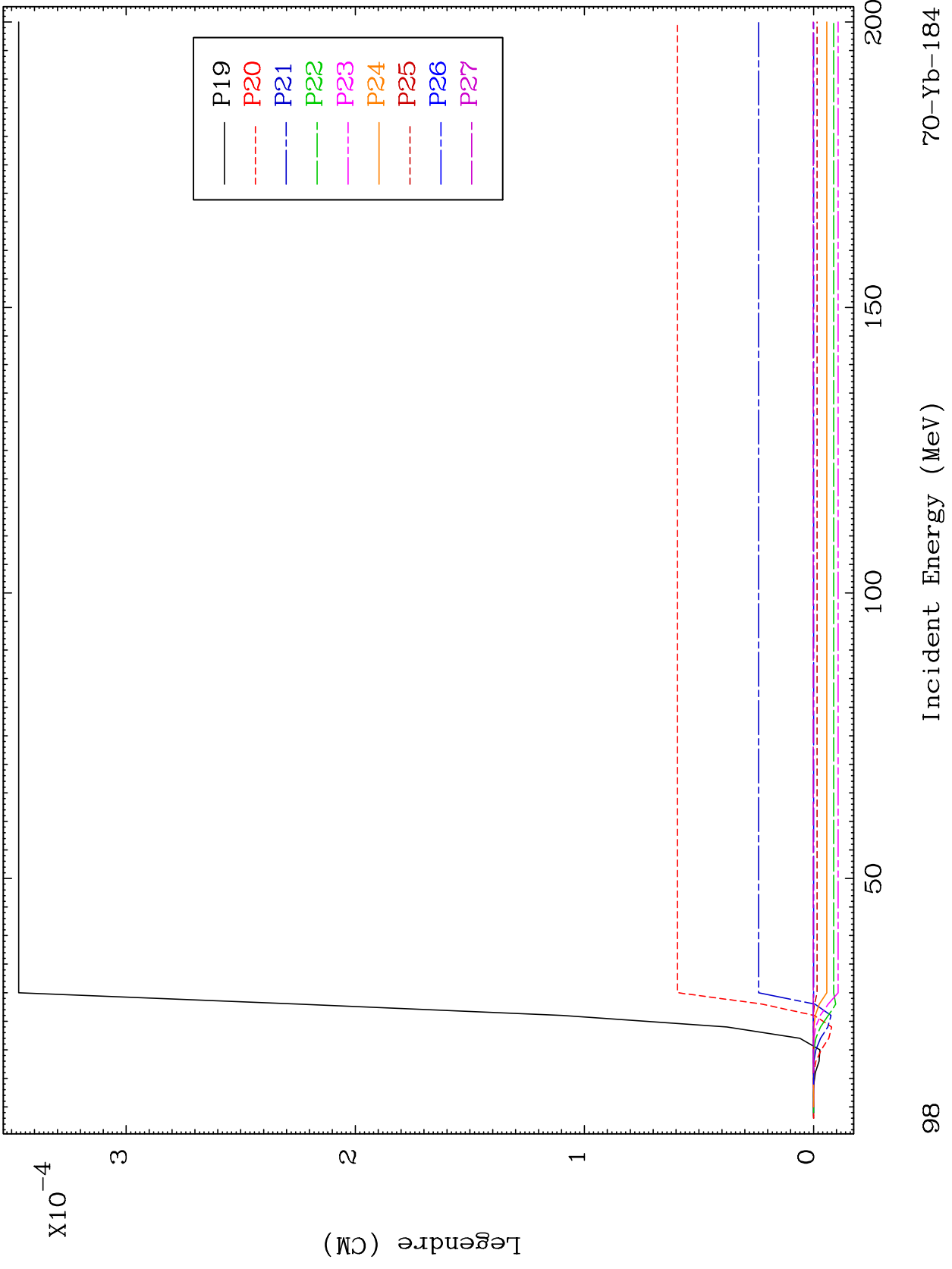
Incident Energy (MeV)

70-Yb-184

MAT 7073

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

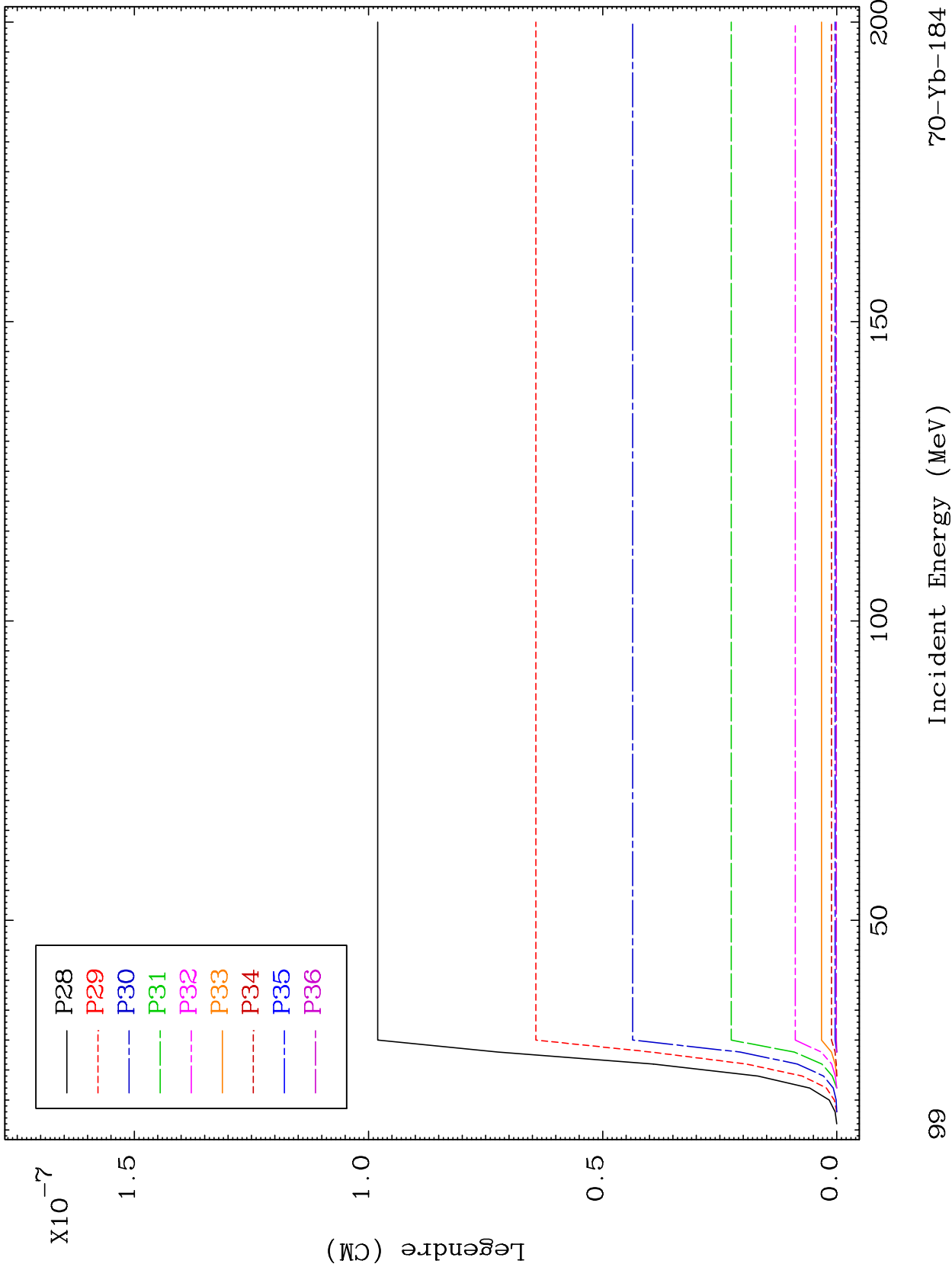
70-Yb-184



MAT 7073

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

70-Yb-184



99

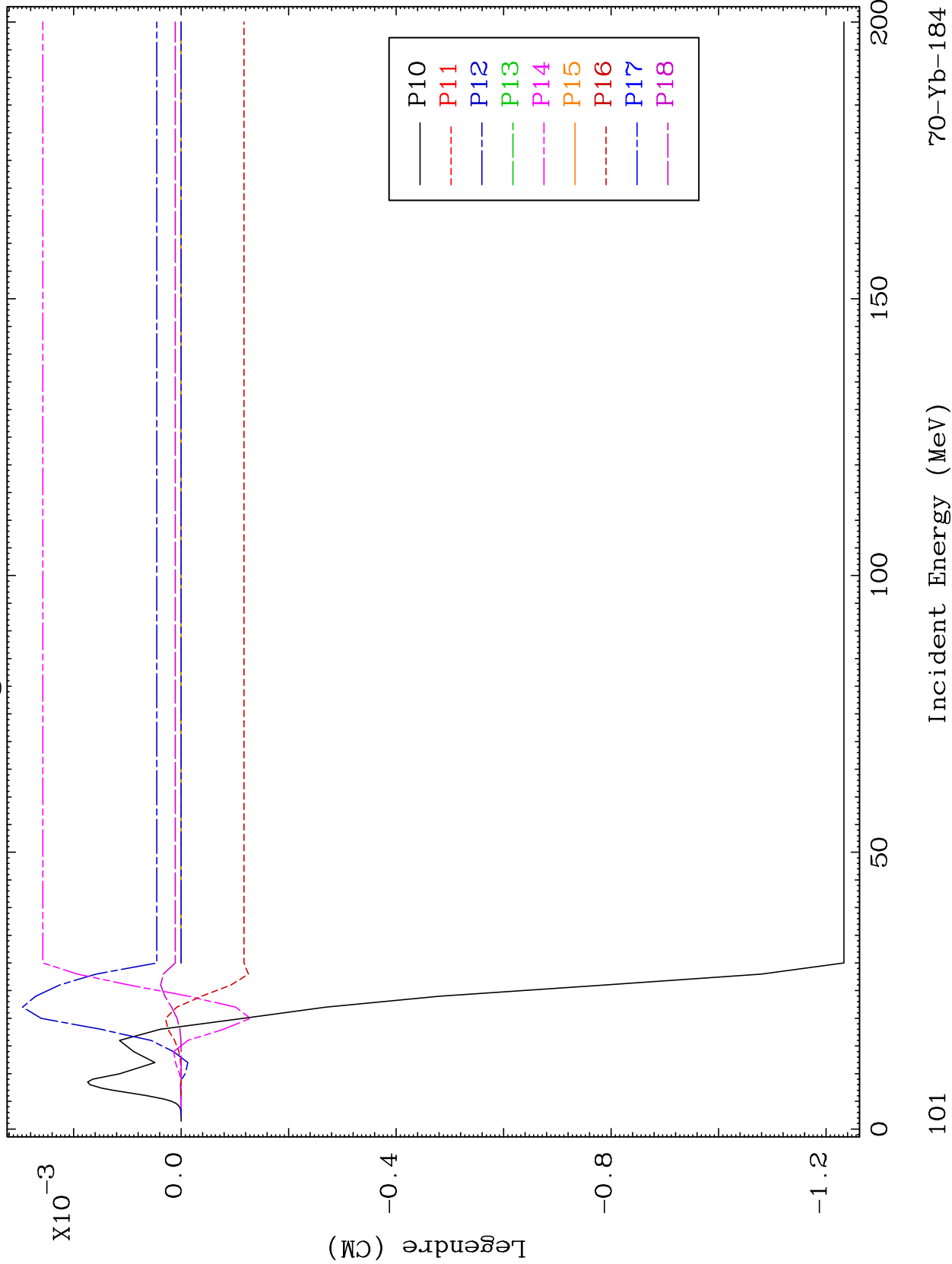
70-Yb-184



MAT 7073

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

70-Yb-184

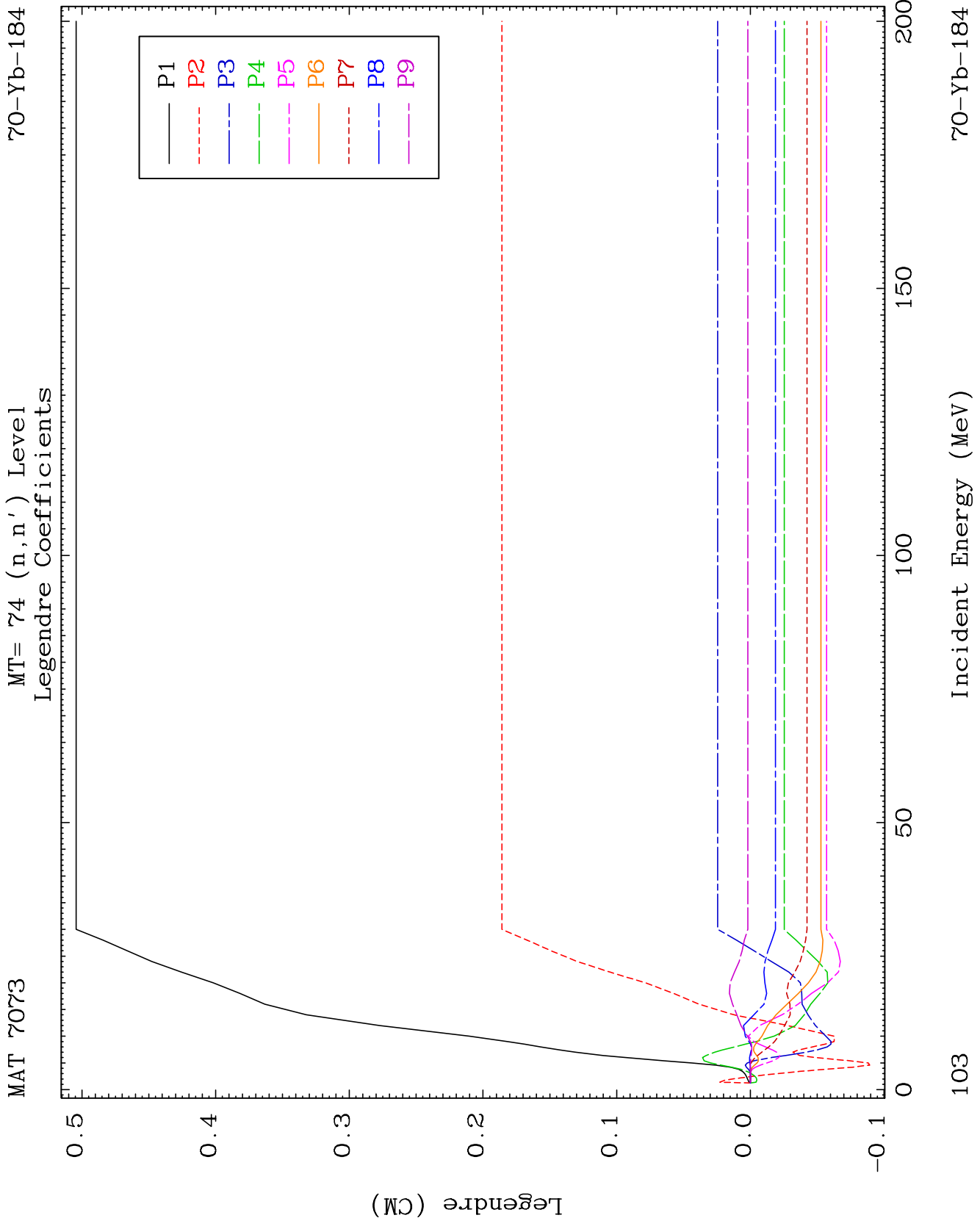


101

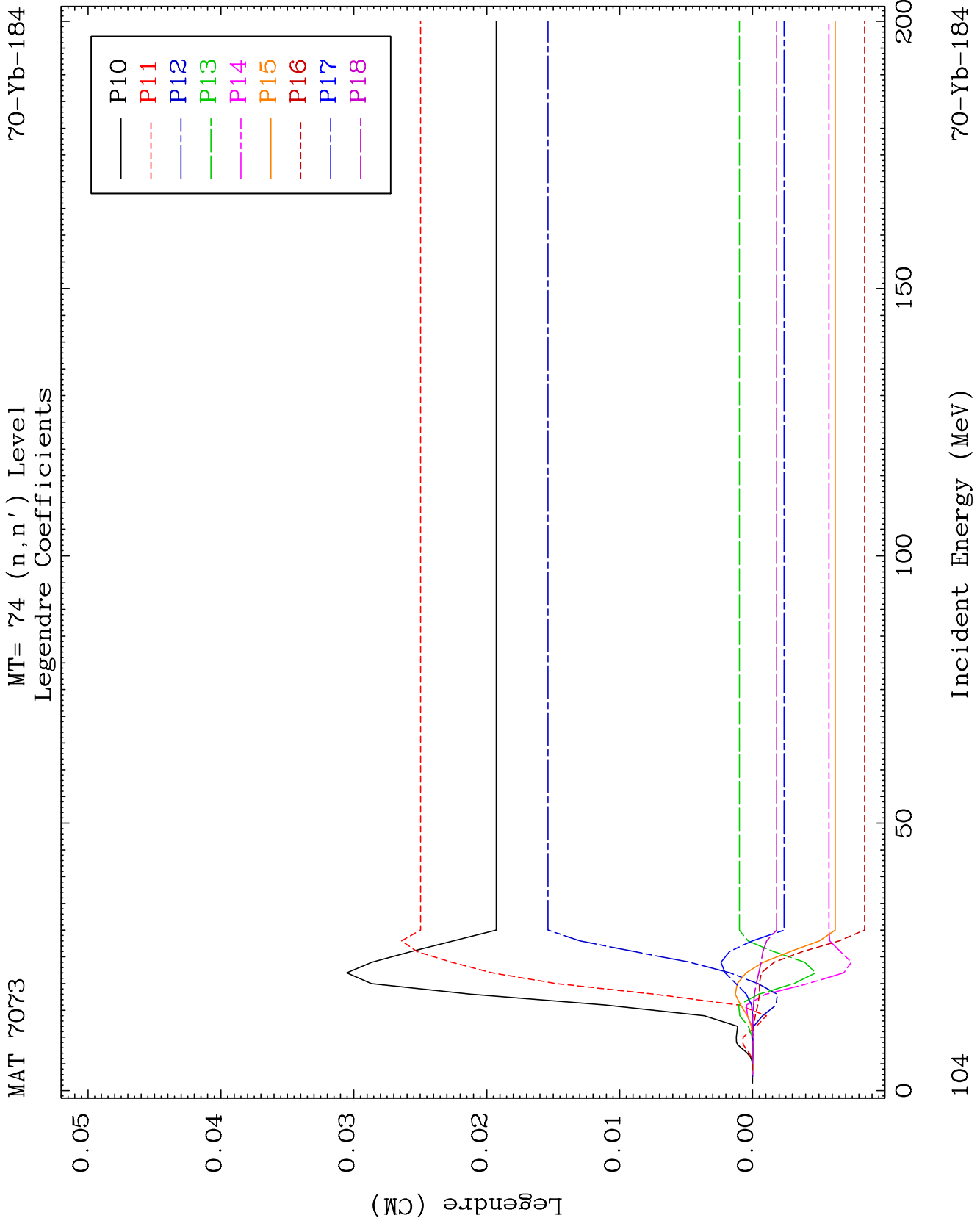
Incident Energy (MeV)

70-Yb-184





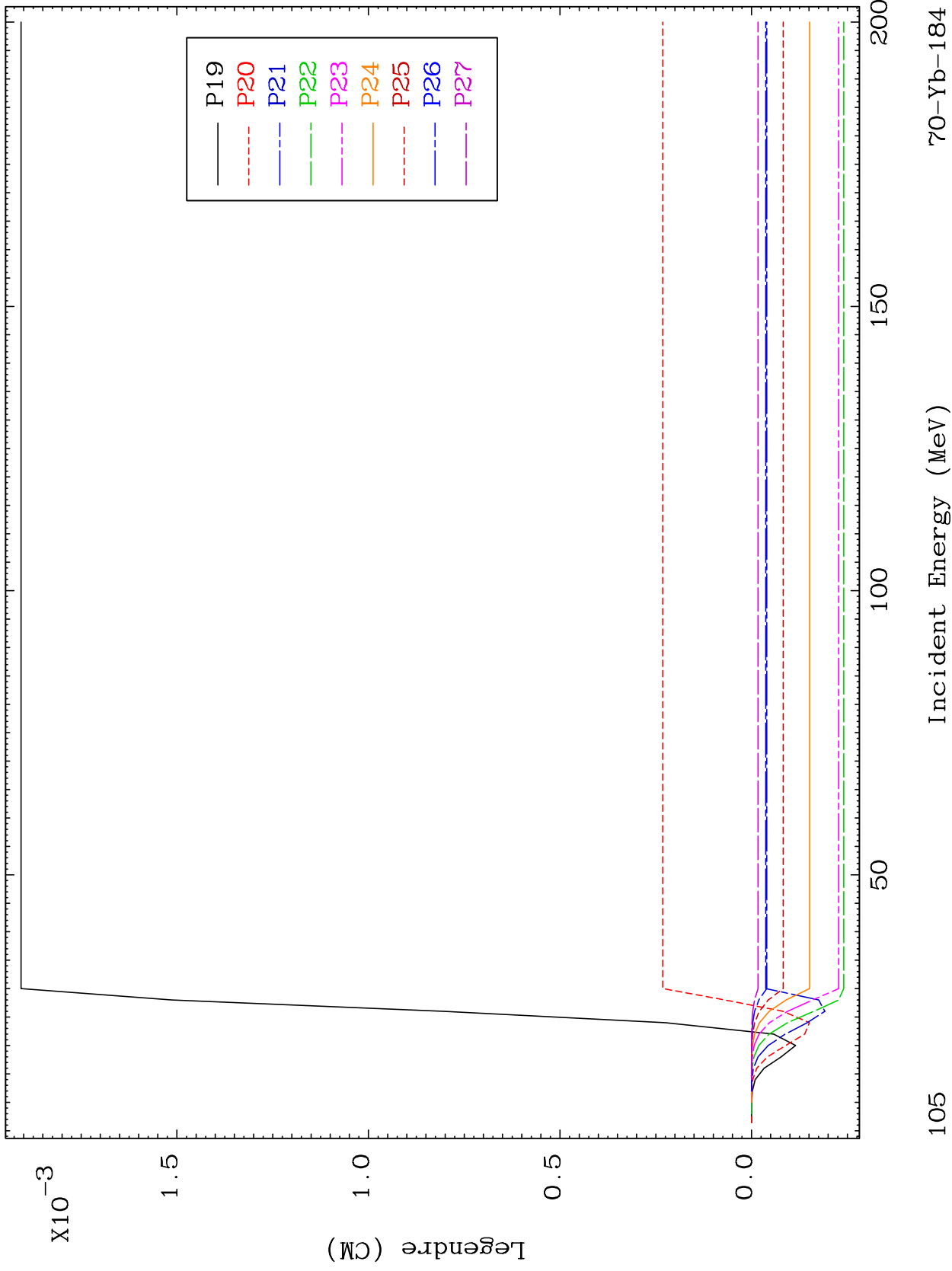




MAT 7073

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

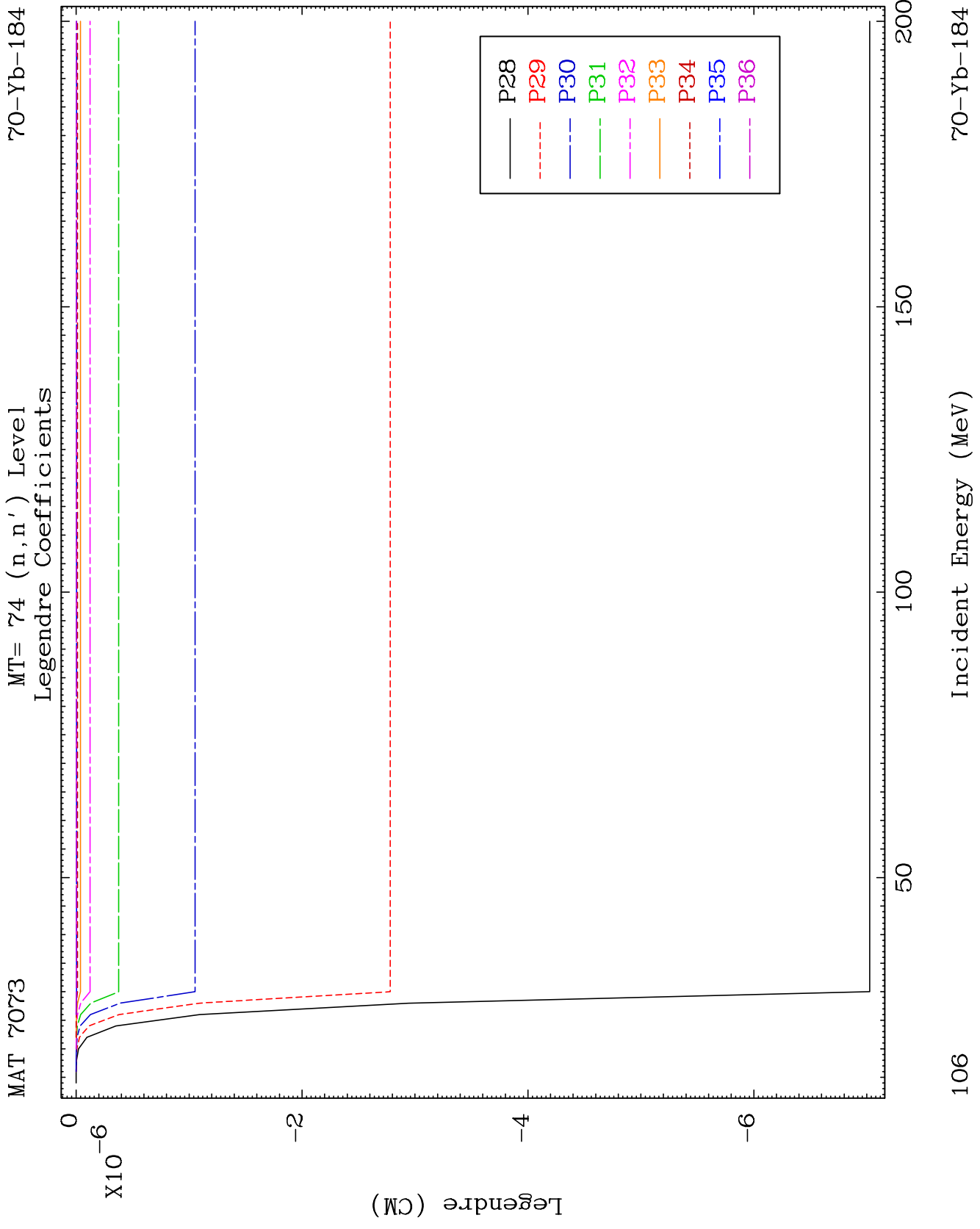
70-Yb-184



105

Incident Energy (MeV)

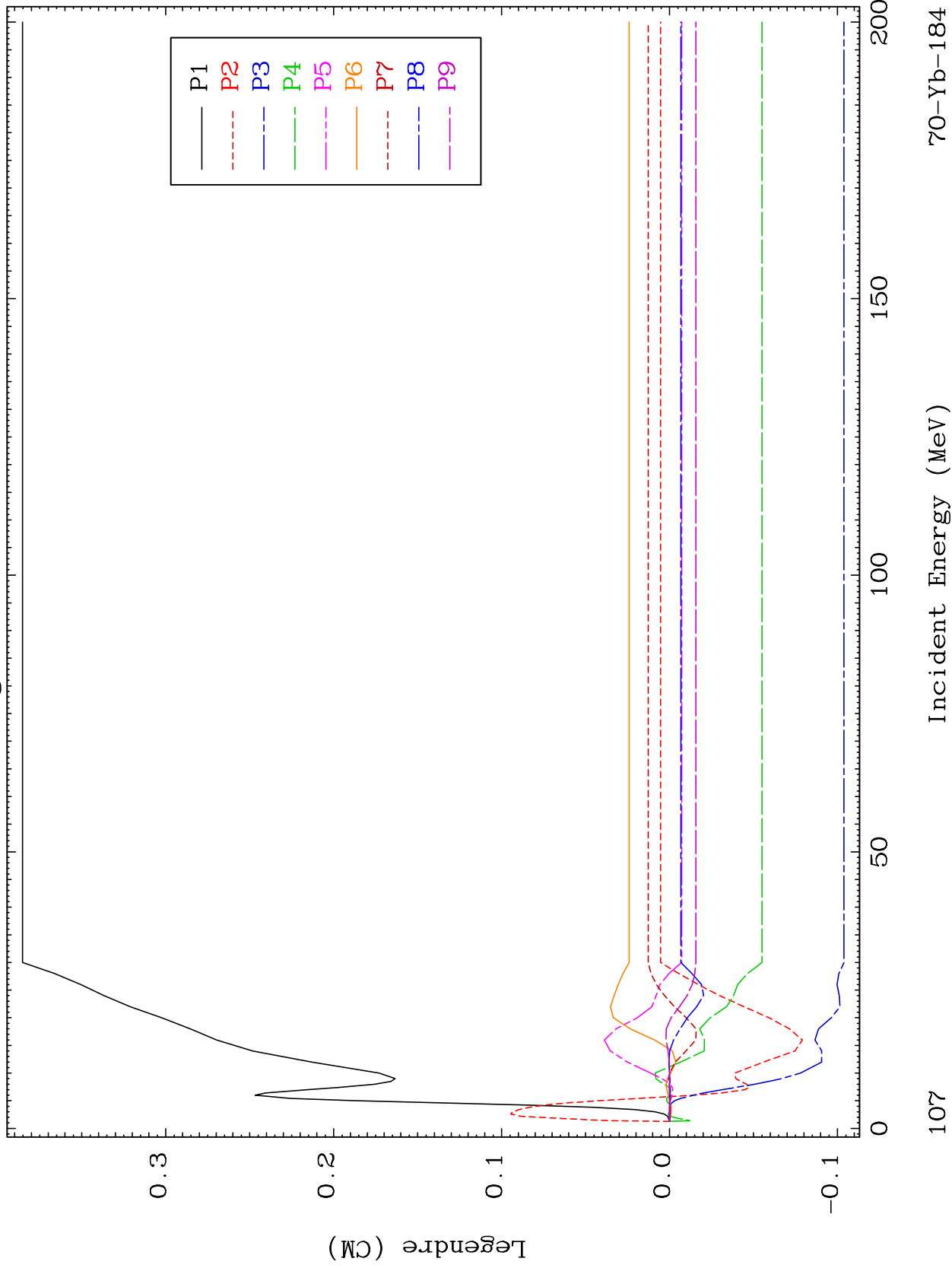
70-Yb-184



MAT 7073

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

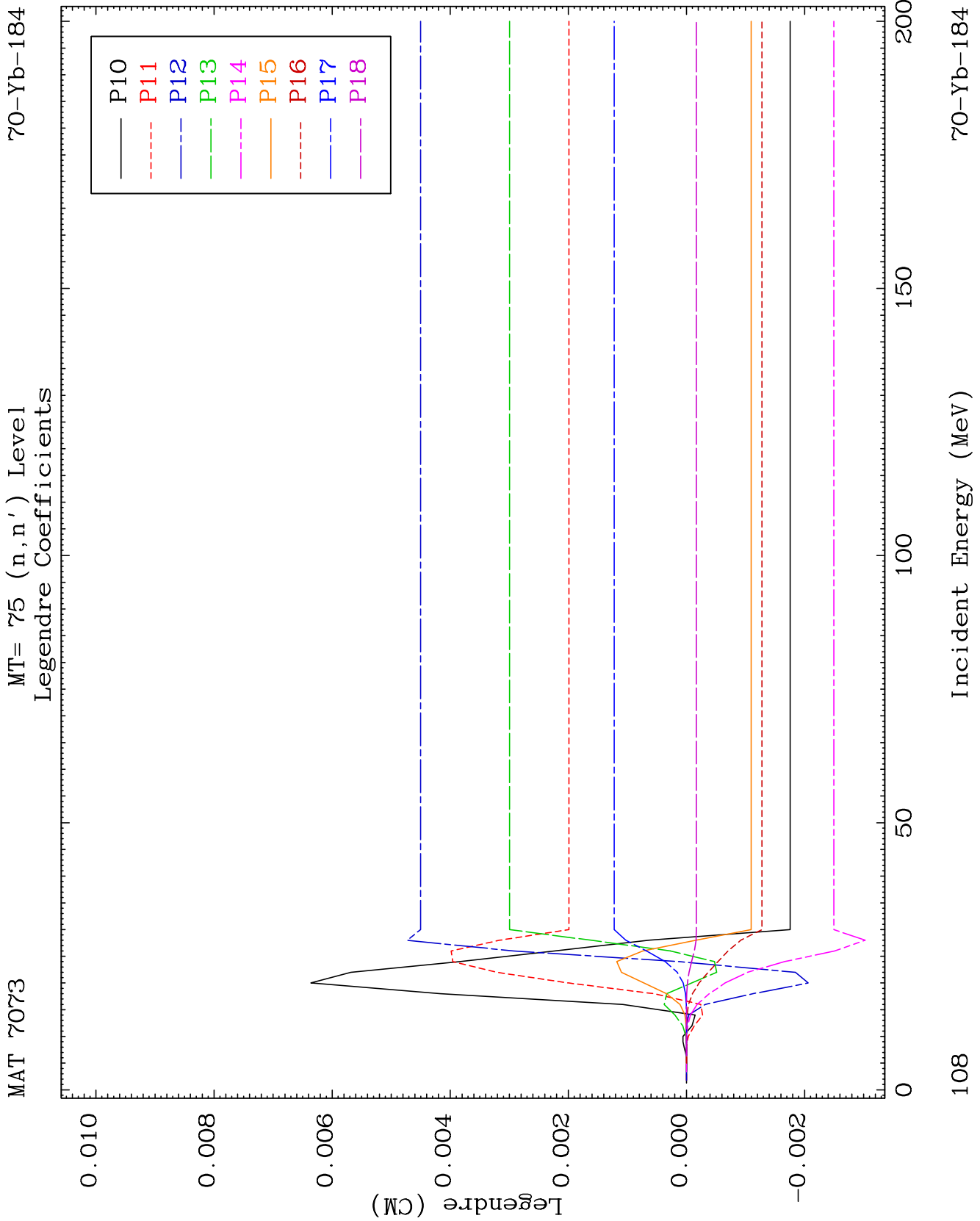
70-Yb-184

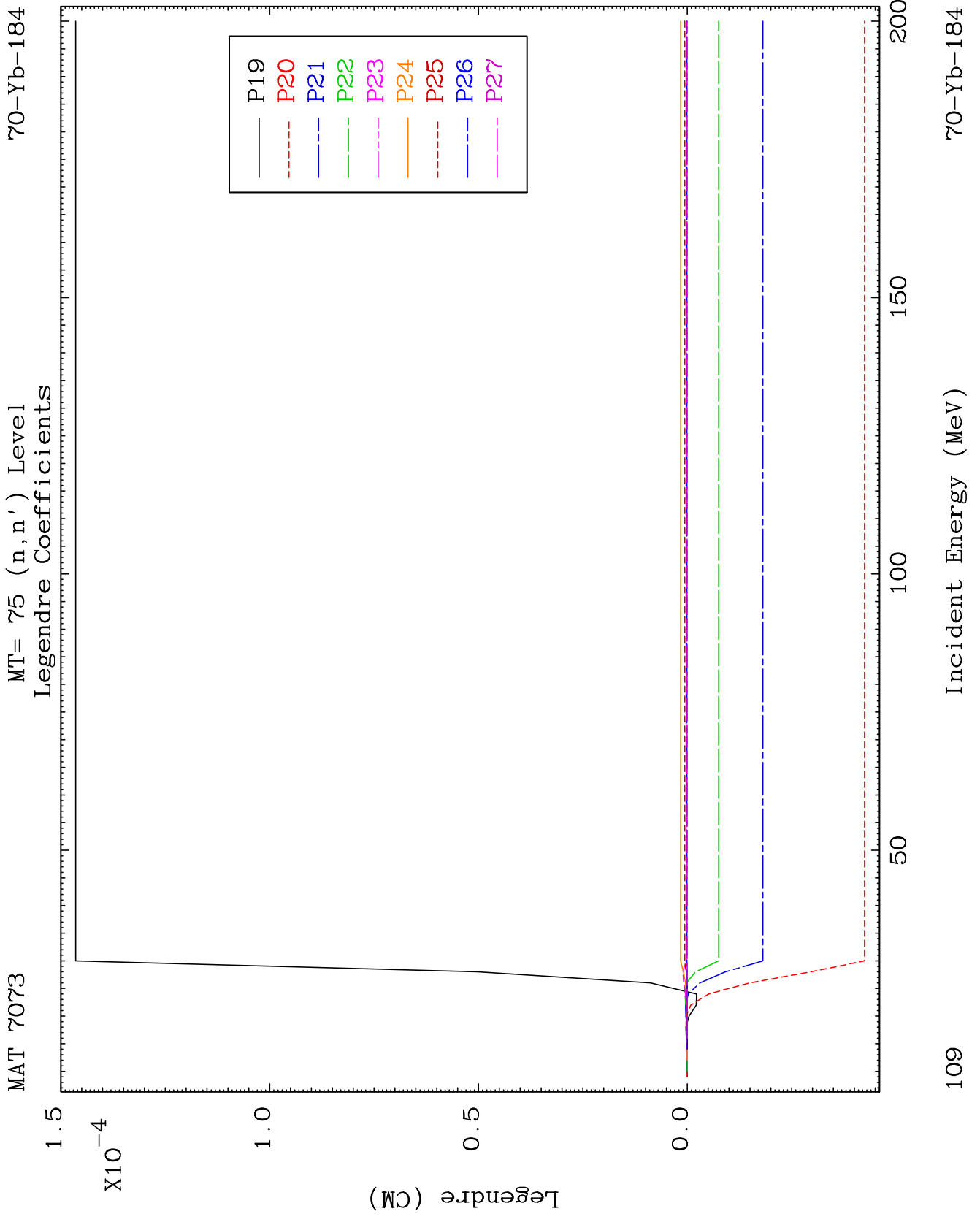


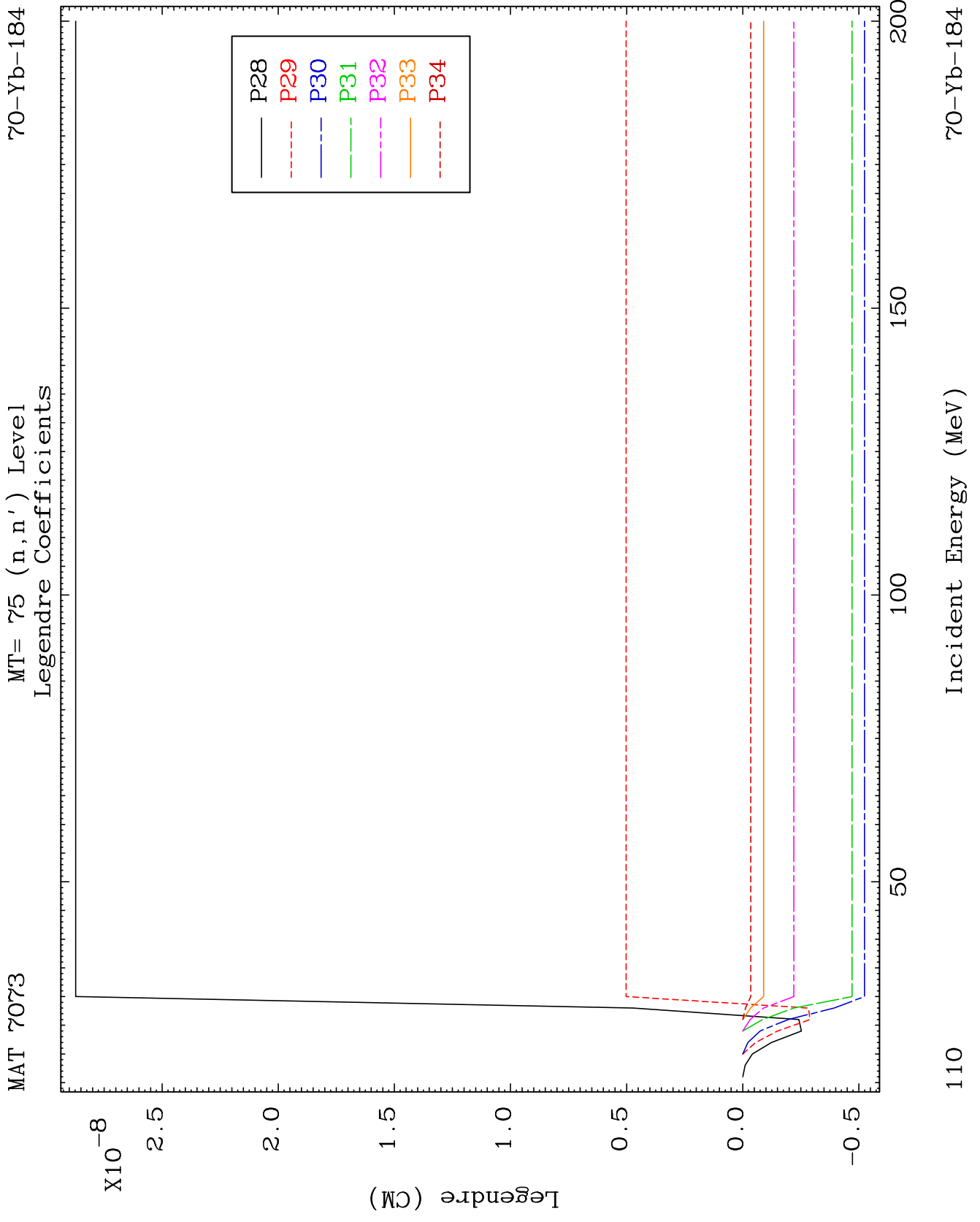
107

Incident Energy (MeV)

70-Yb-184



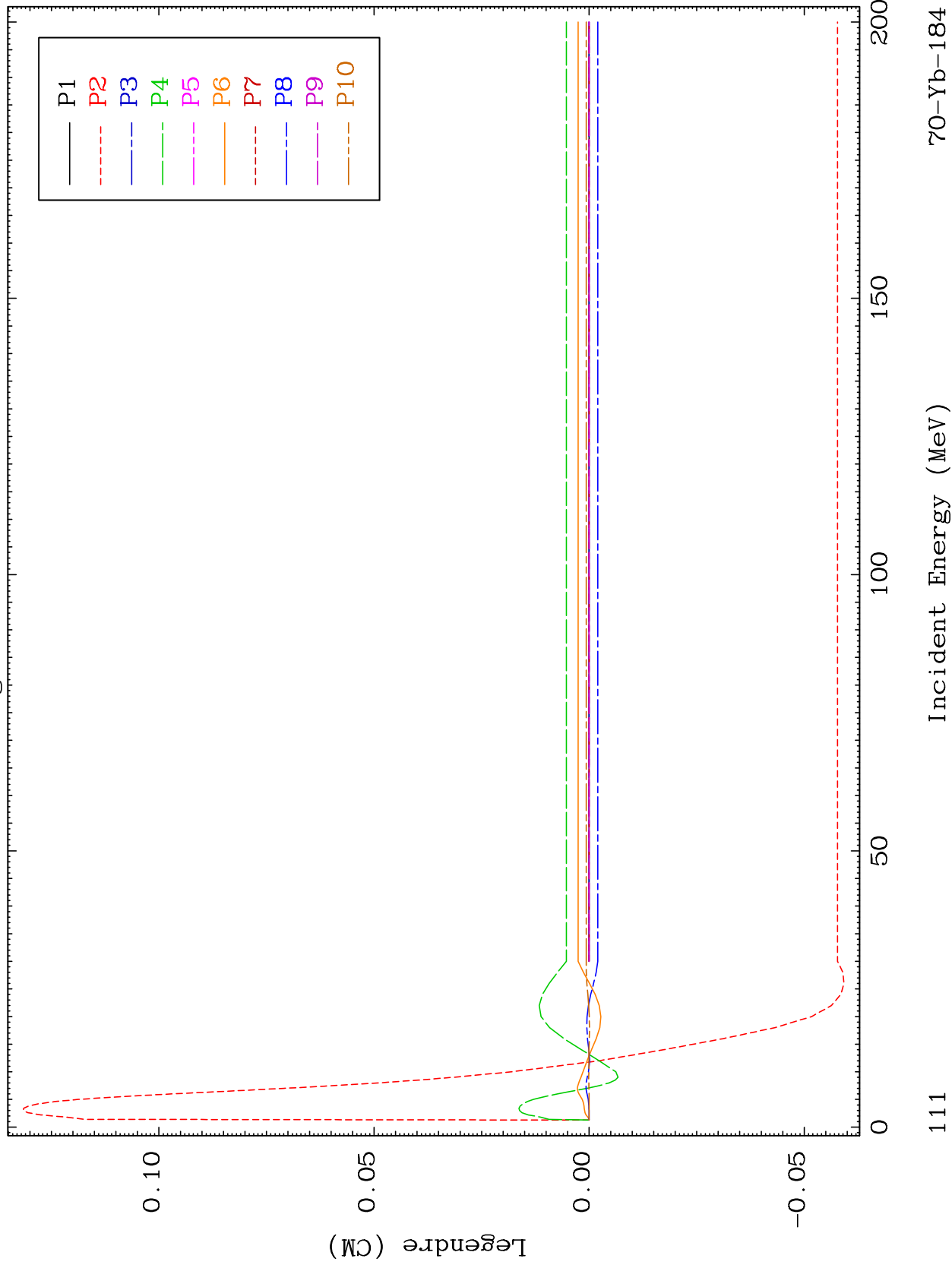




MAT 7073

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

70-Yb-184

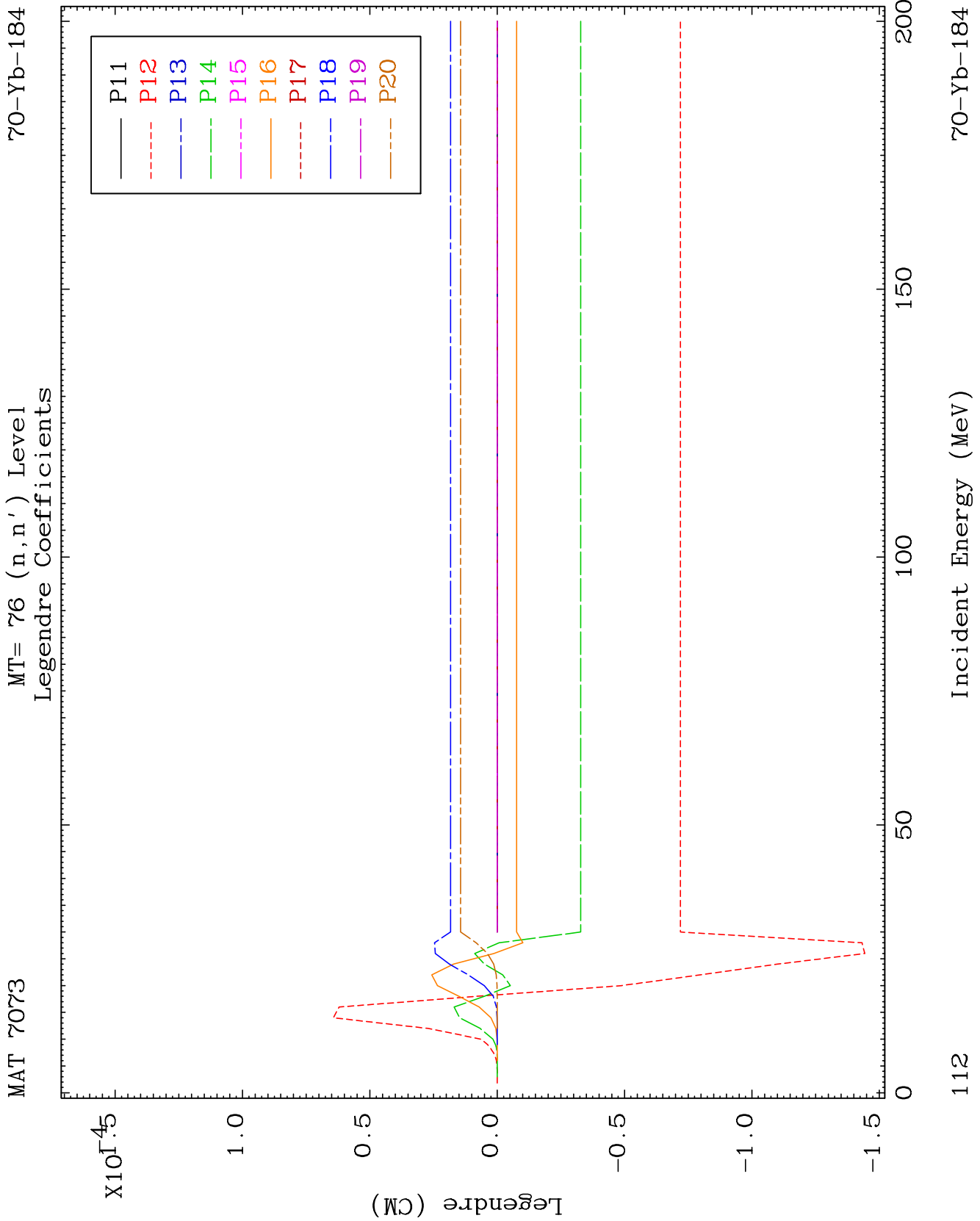


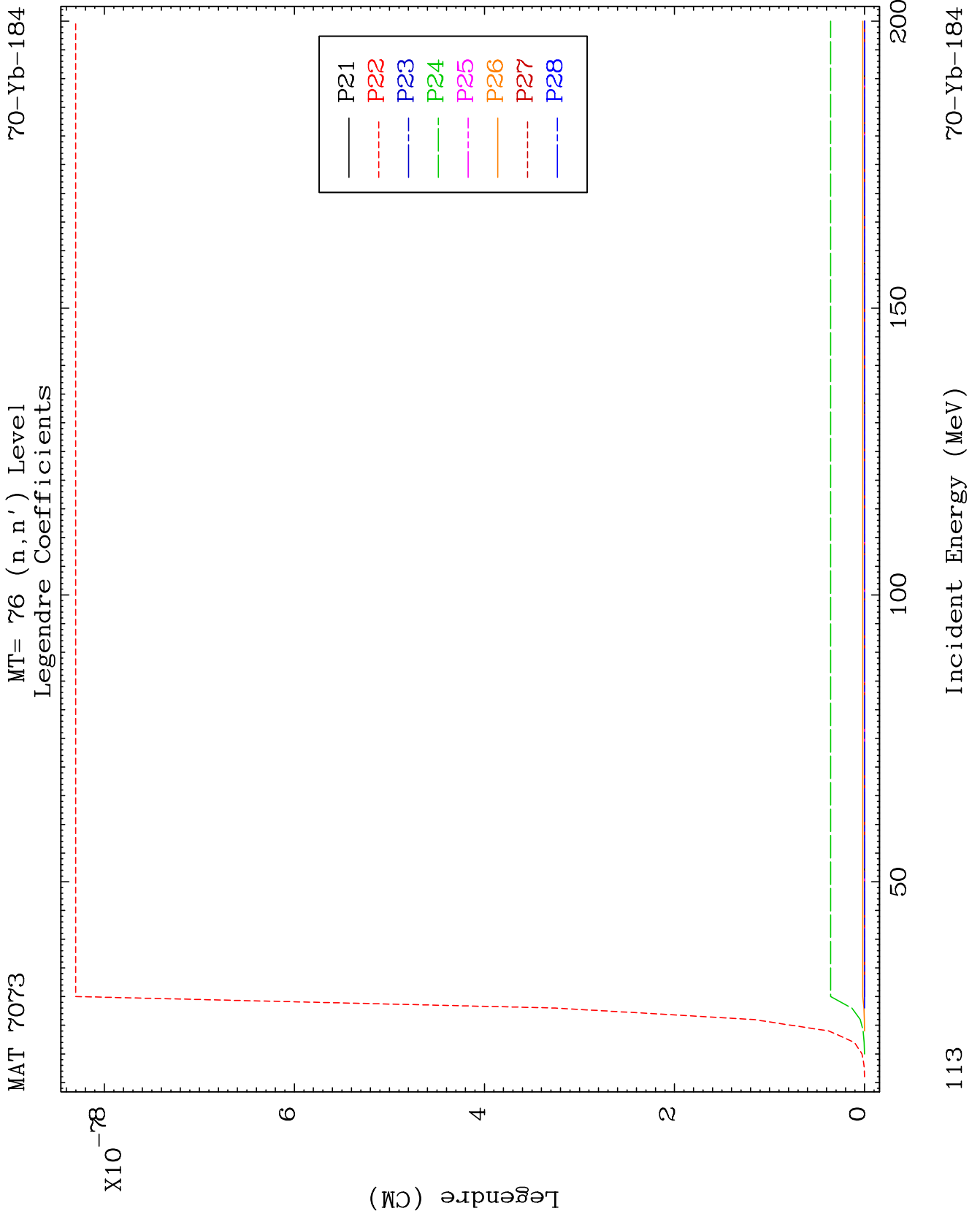
111

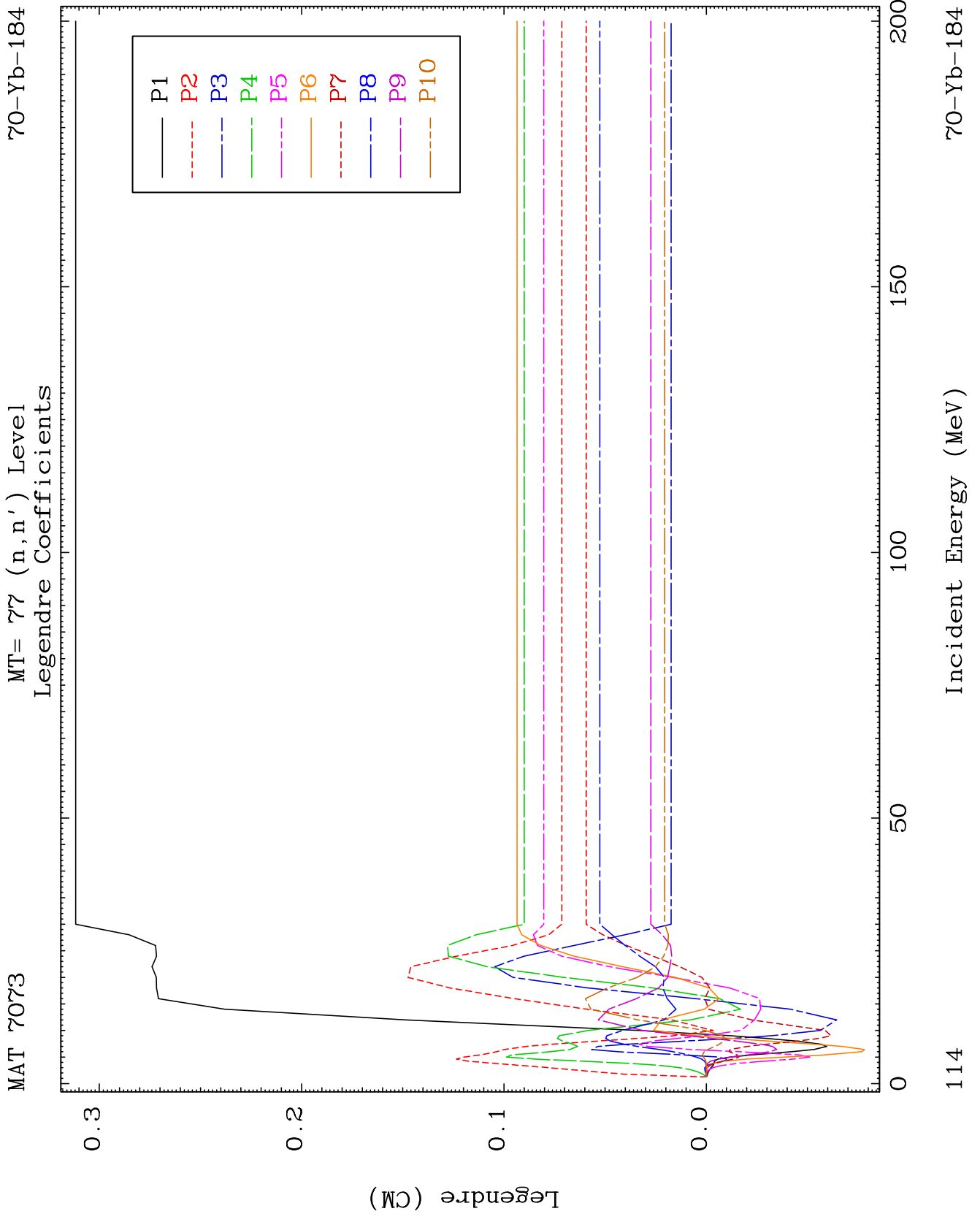
Incident Energy (MeV)

70-Yb-184





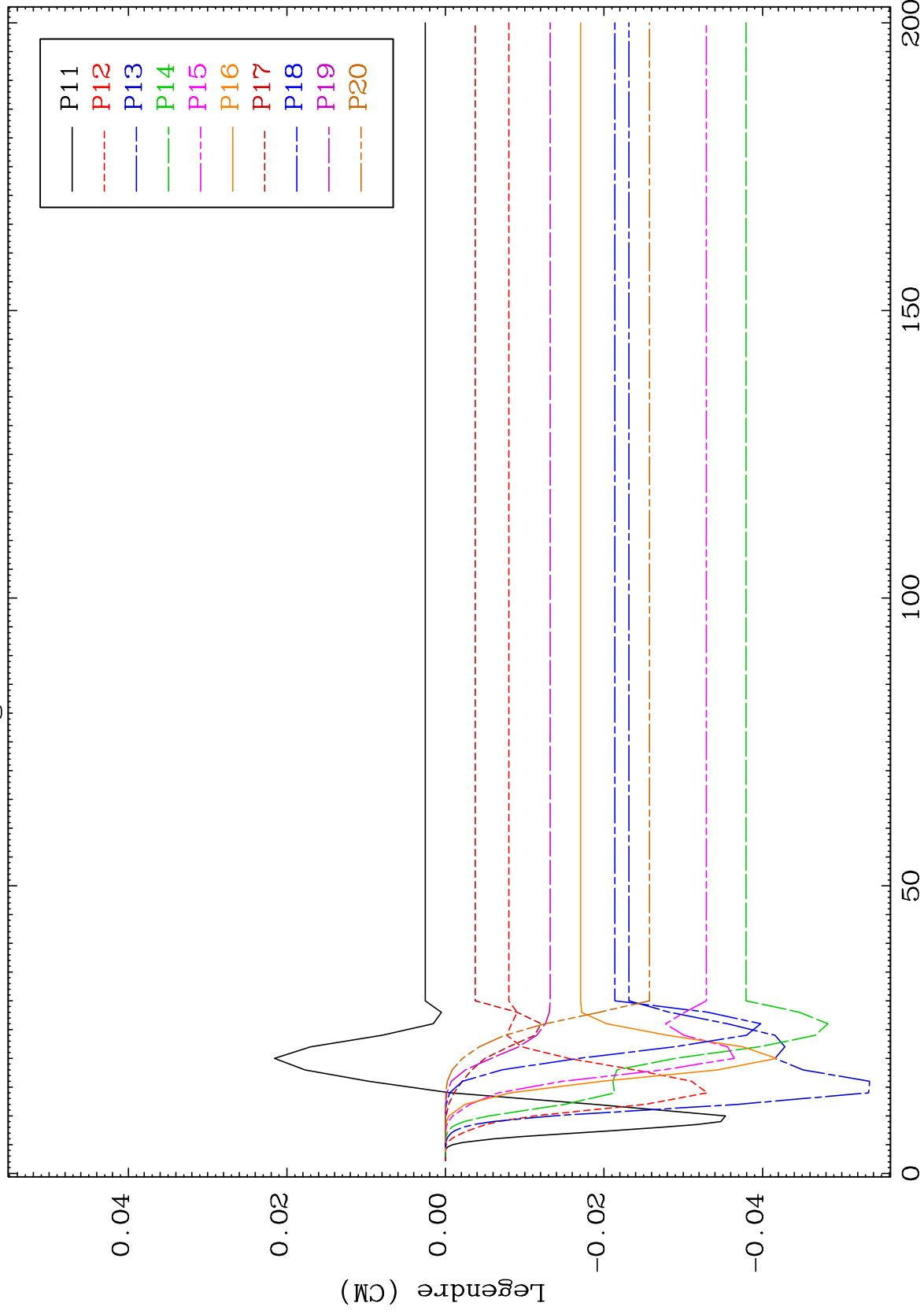




MAT 7073

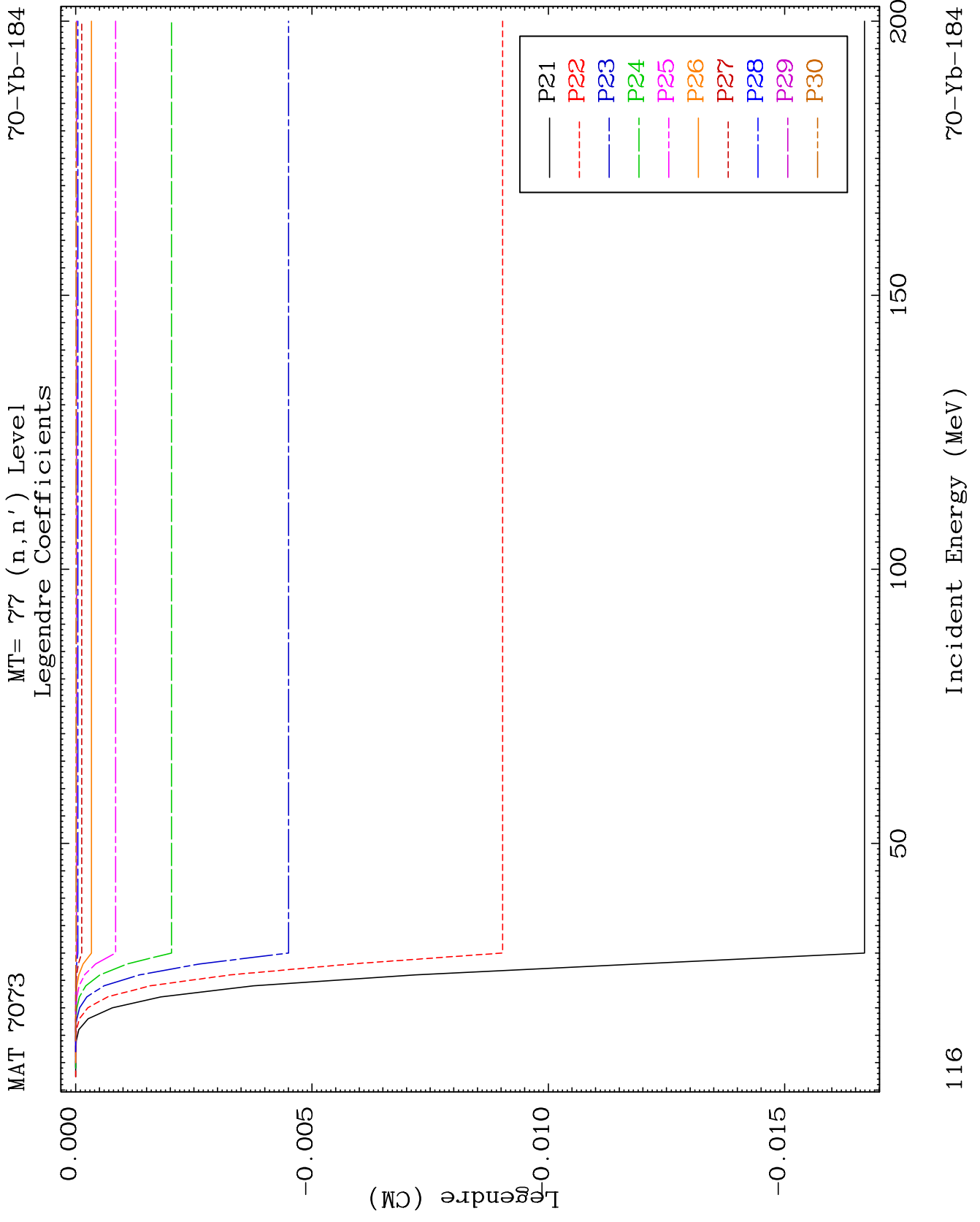
MT= 77 (n,n') Level  
Legendre Coefficients

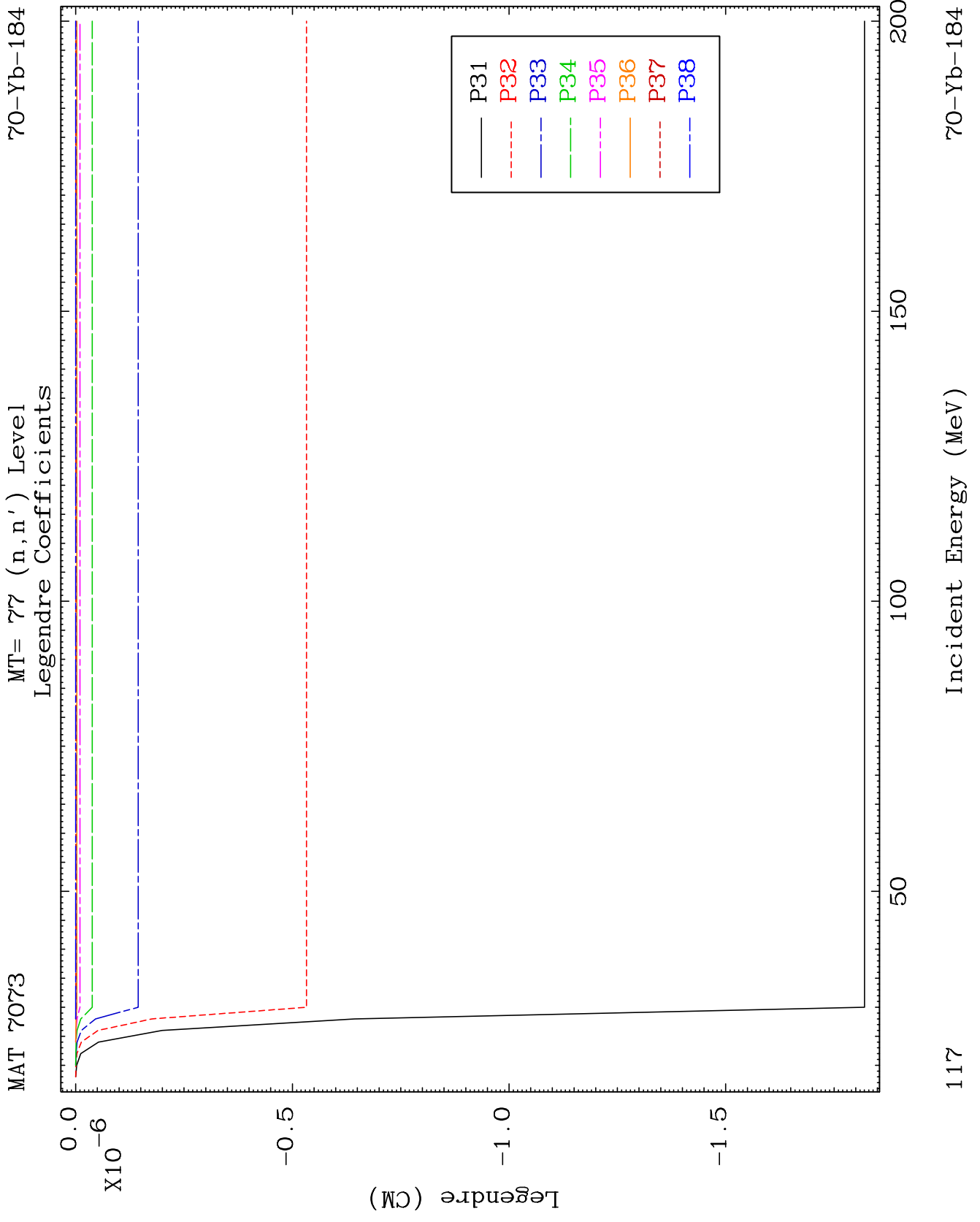
70-Yb-184

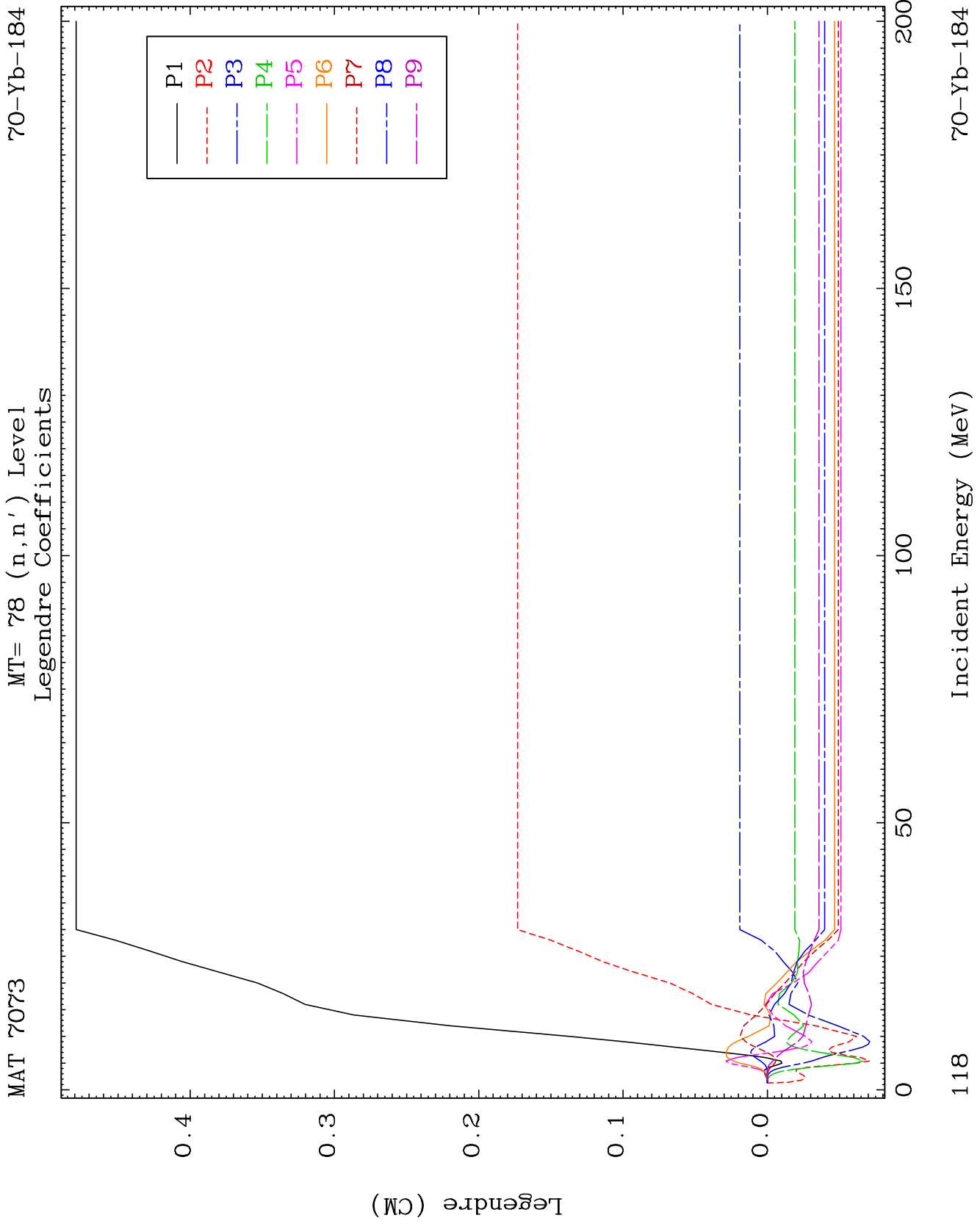


115

70-Yb-184



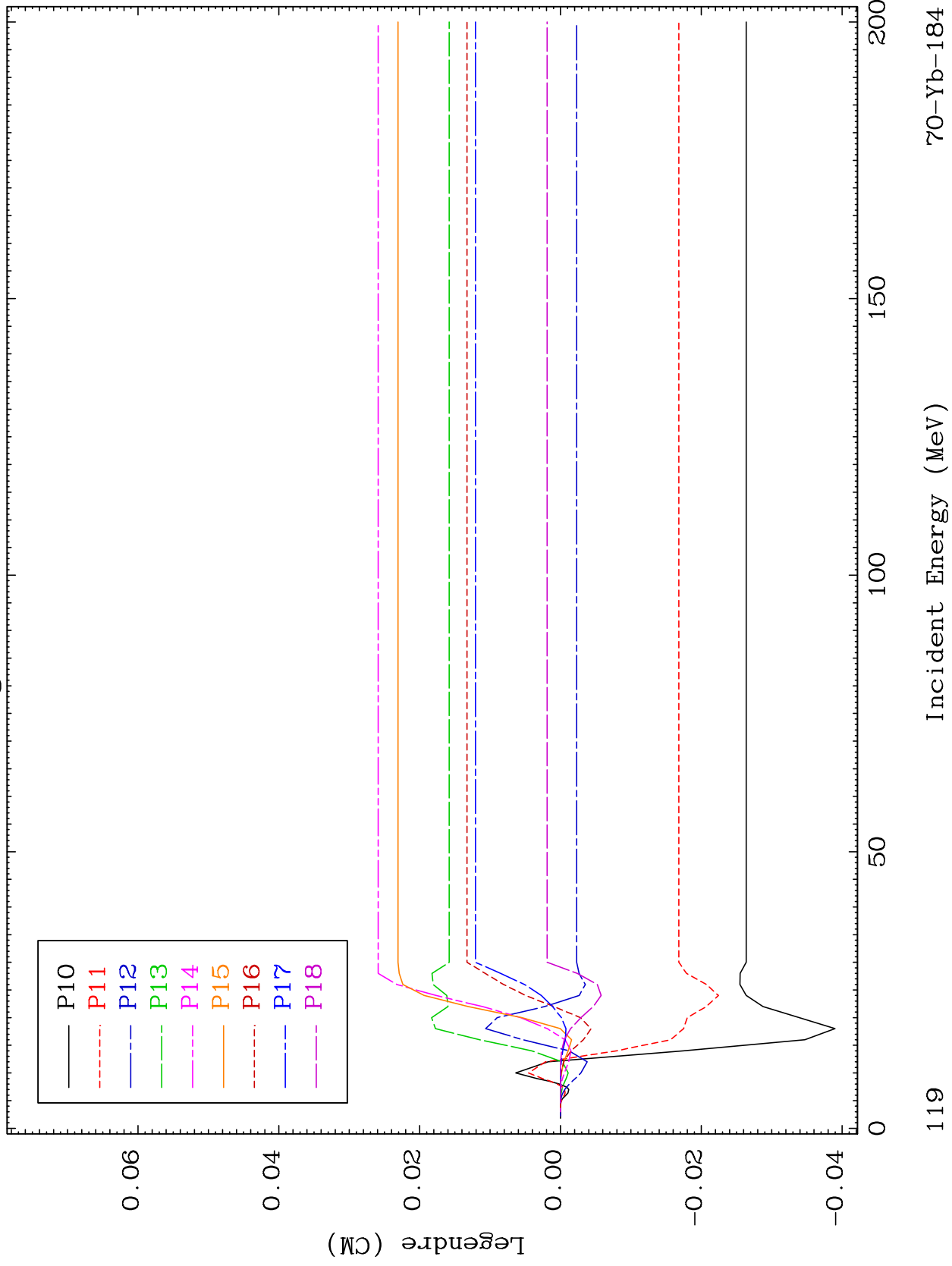




MAT 7073

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

70-Yb-184



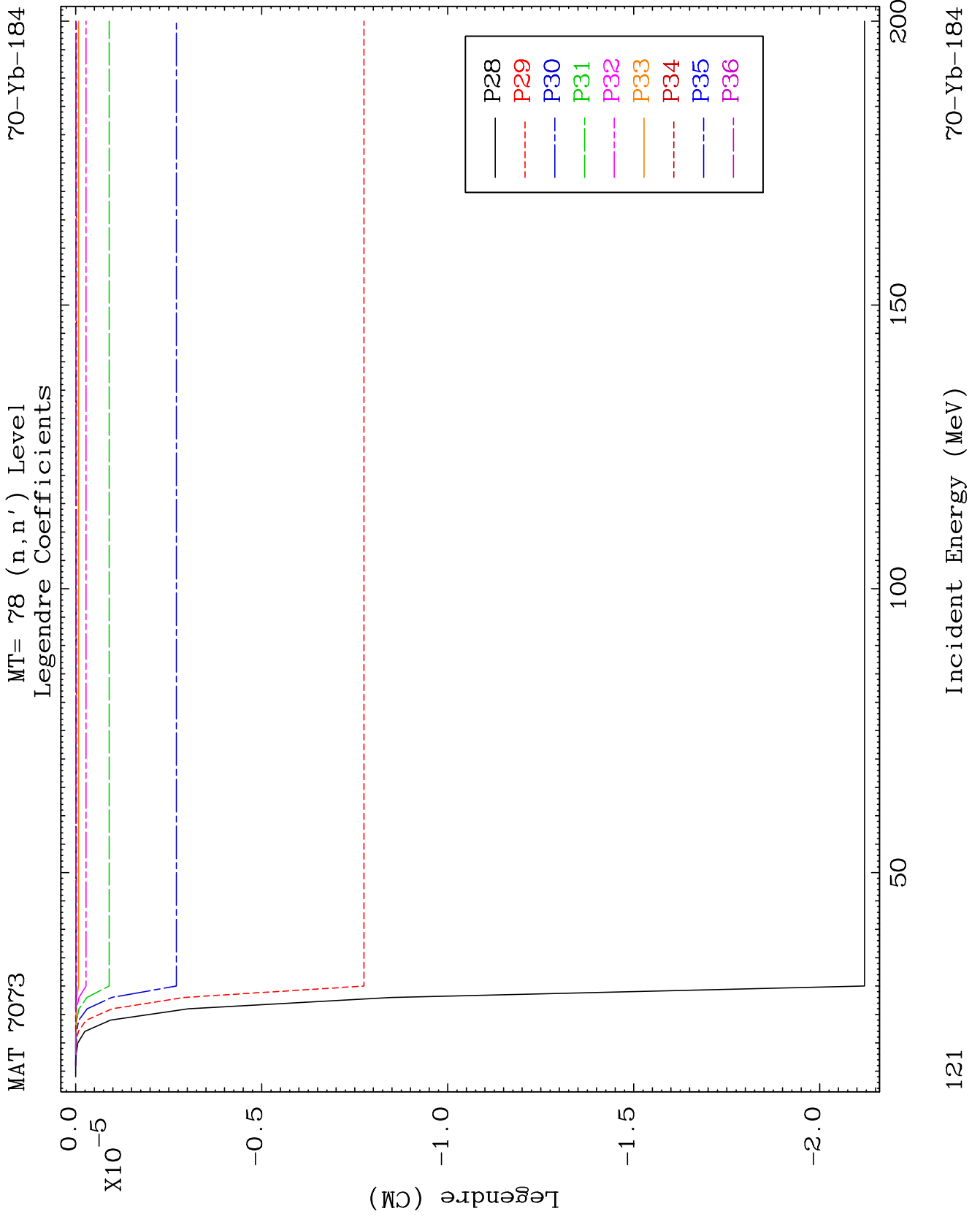
119

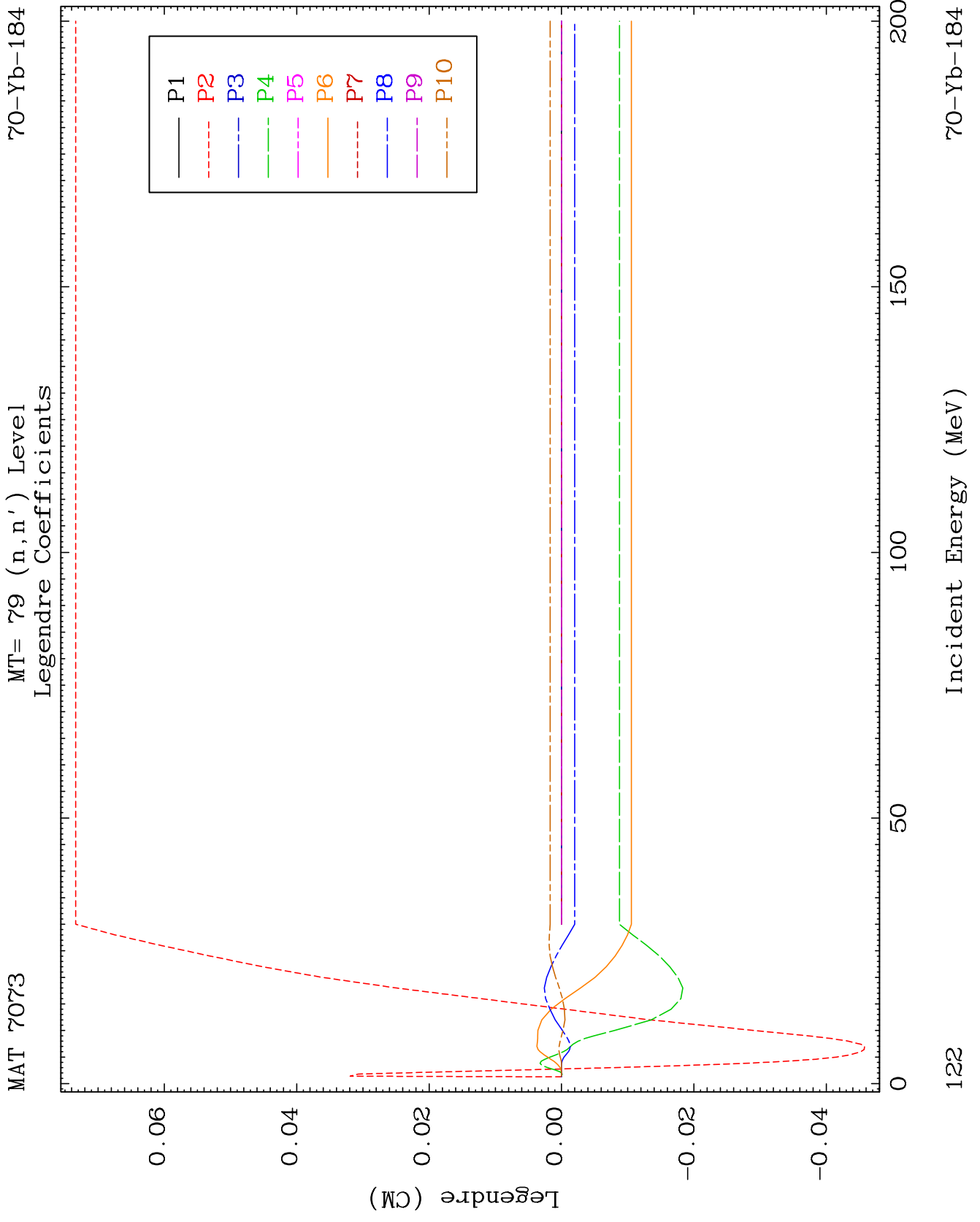
Incident Energy (MeV)

70-Yb-184





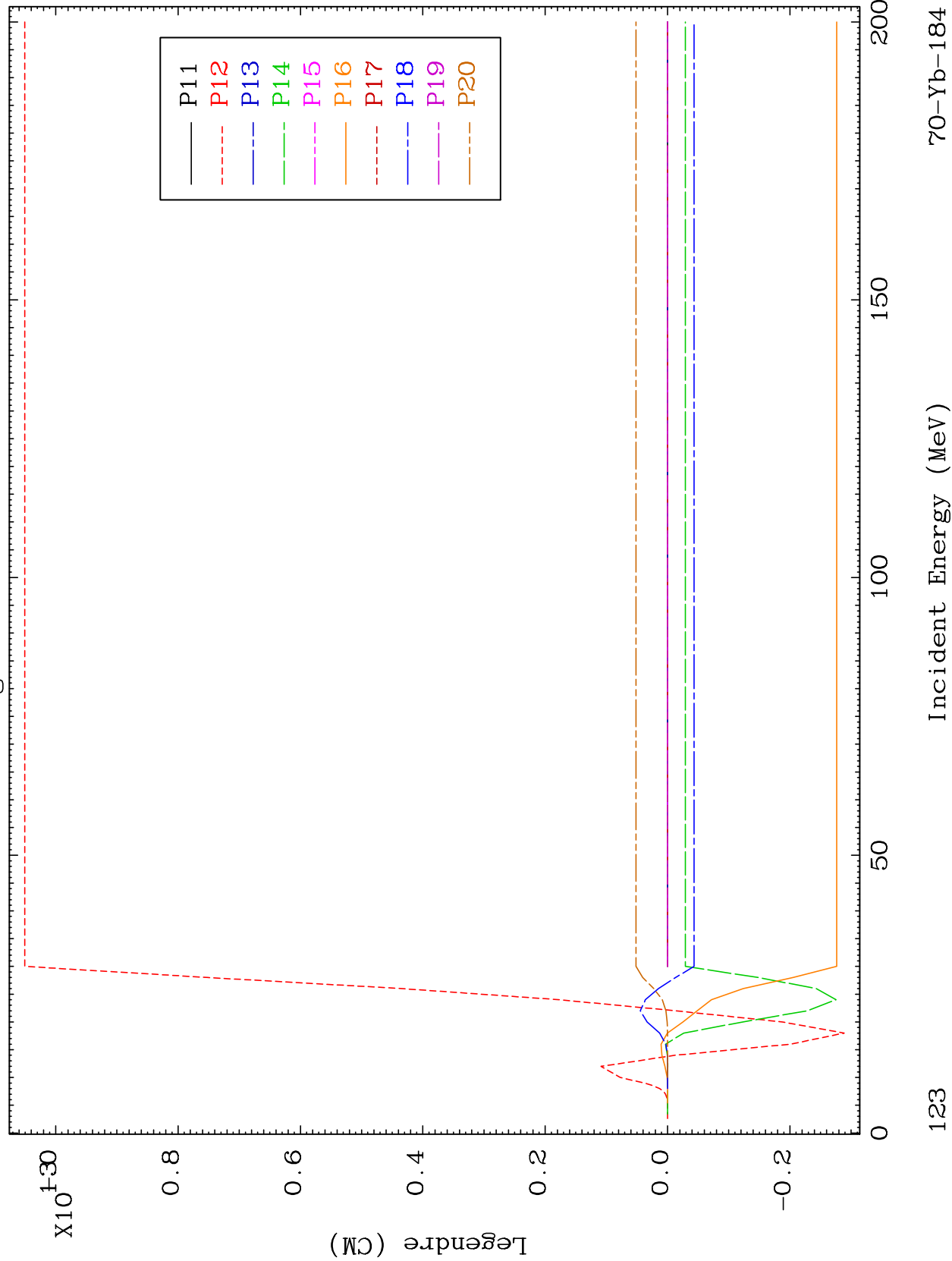


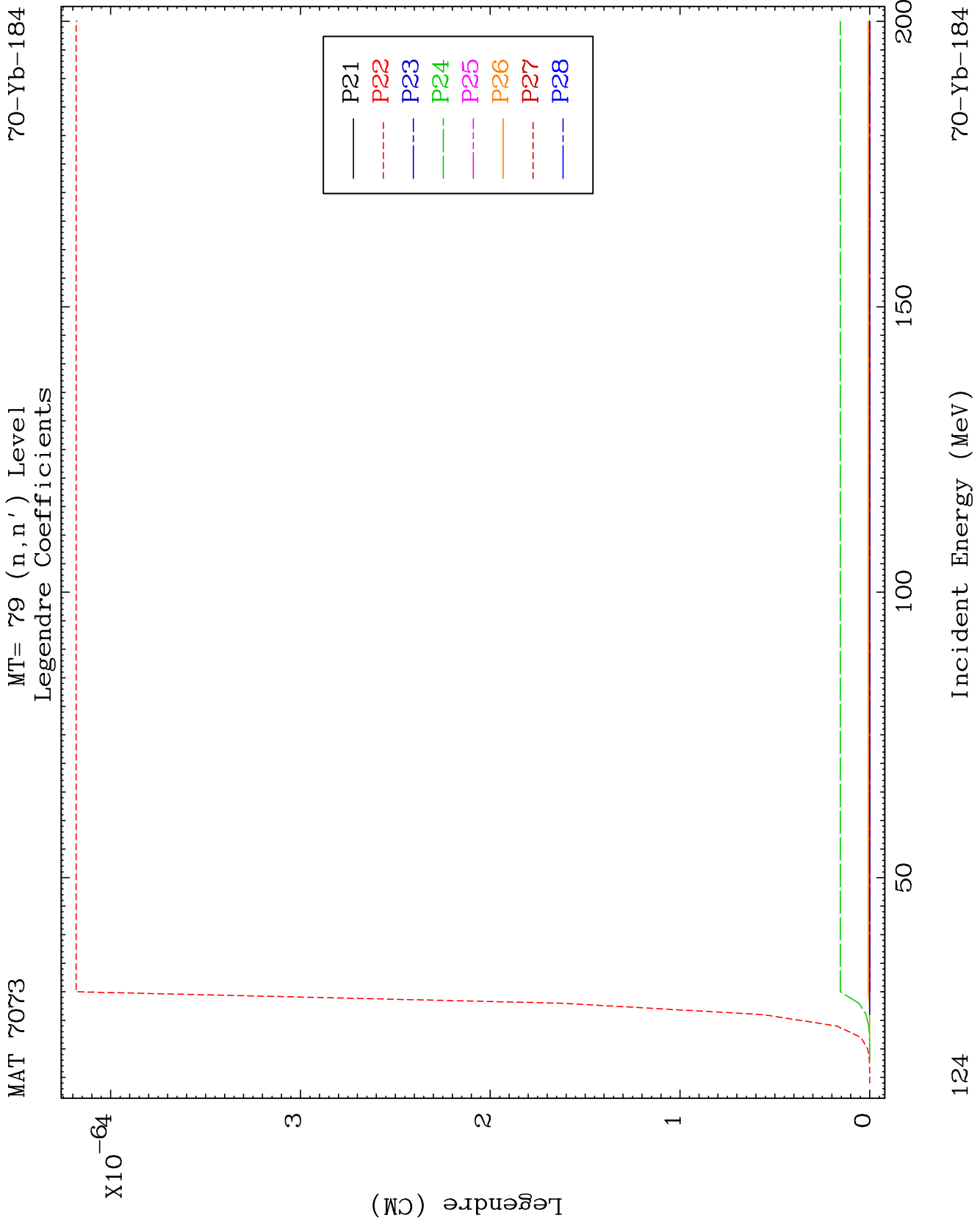


MAT 7073

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

70-Yb-184





MAT 7073

Fission

<sup>70</sup>Yb-184

Radionuclide Production Cross Section

