

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

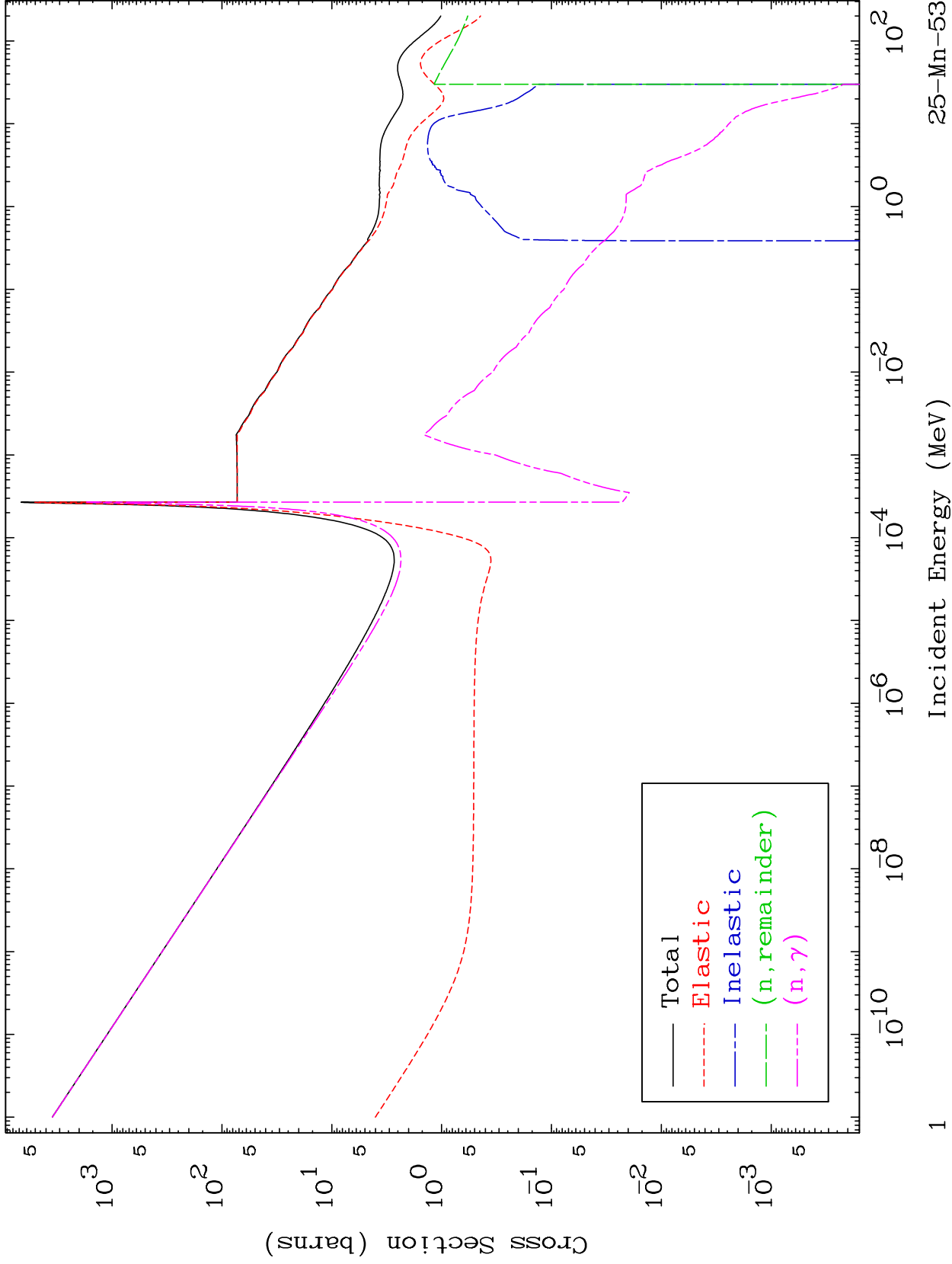
Press Mouse Button to Start

MAT 2519

Major

293 Kelvin Cross Sections

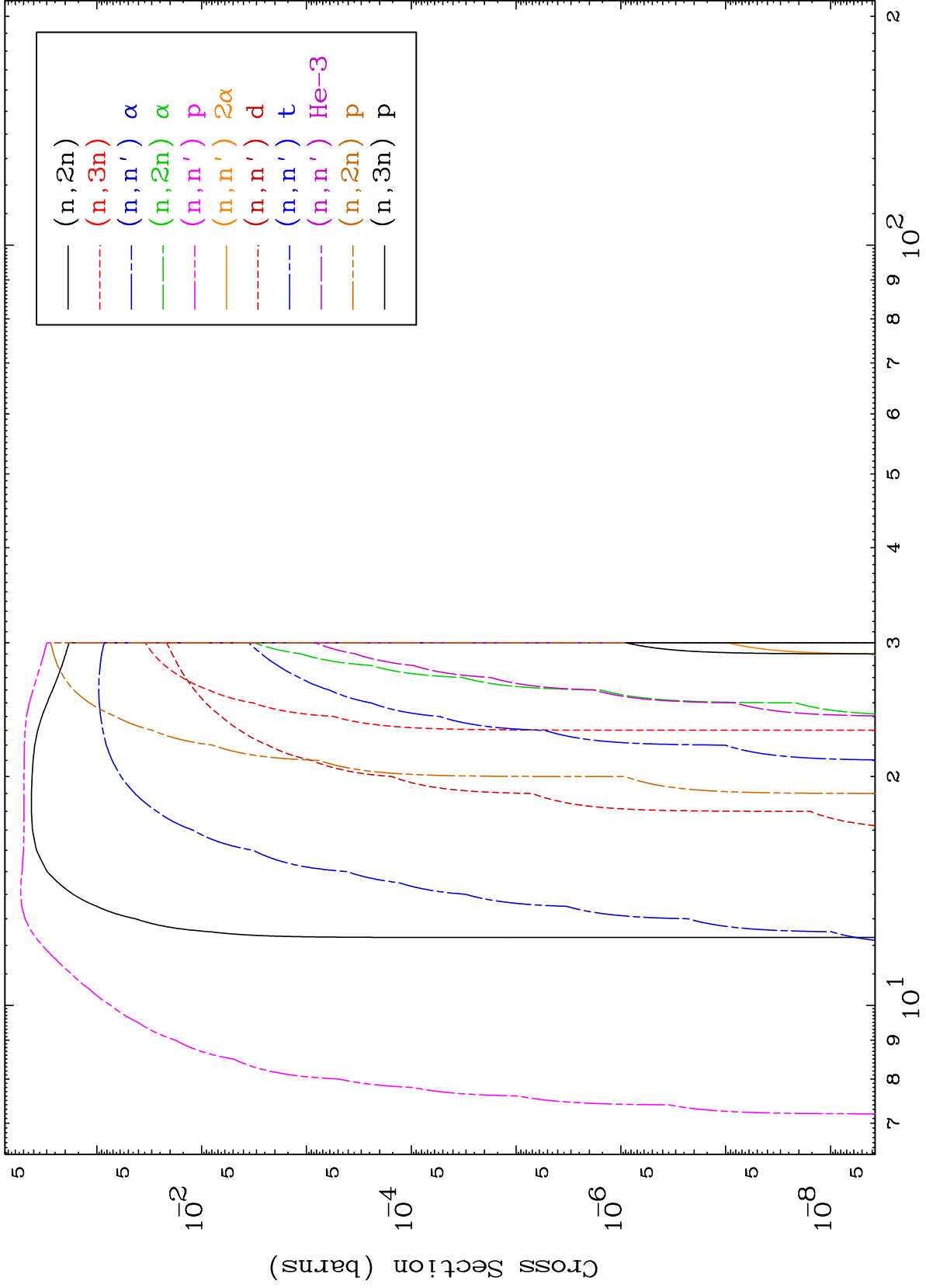
25-Mn-53



MAT 2519

Neutron Production  
293 Kelvin Cross Sections

25-Mn-53



2

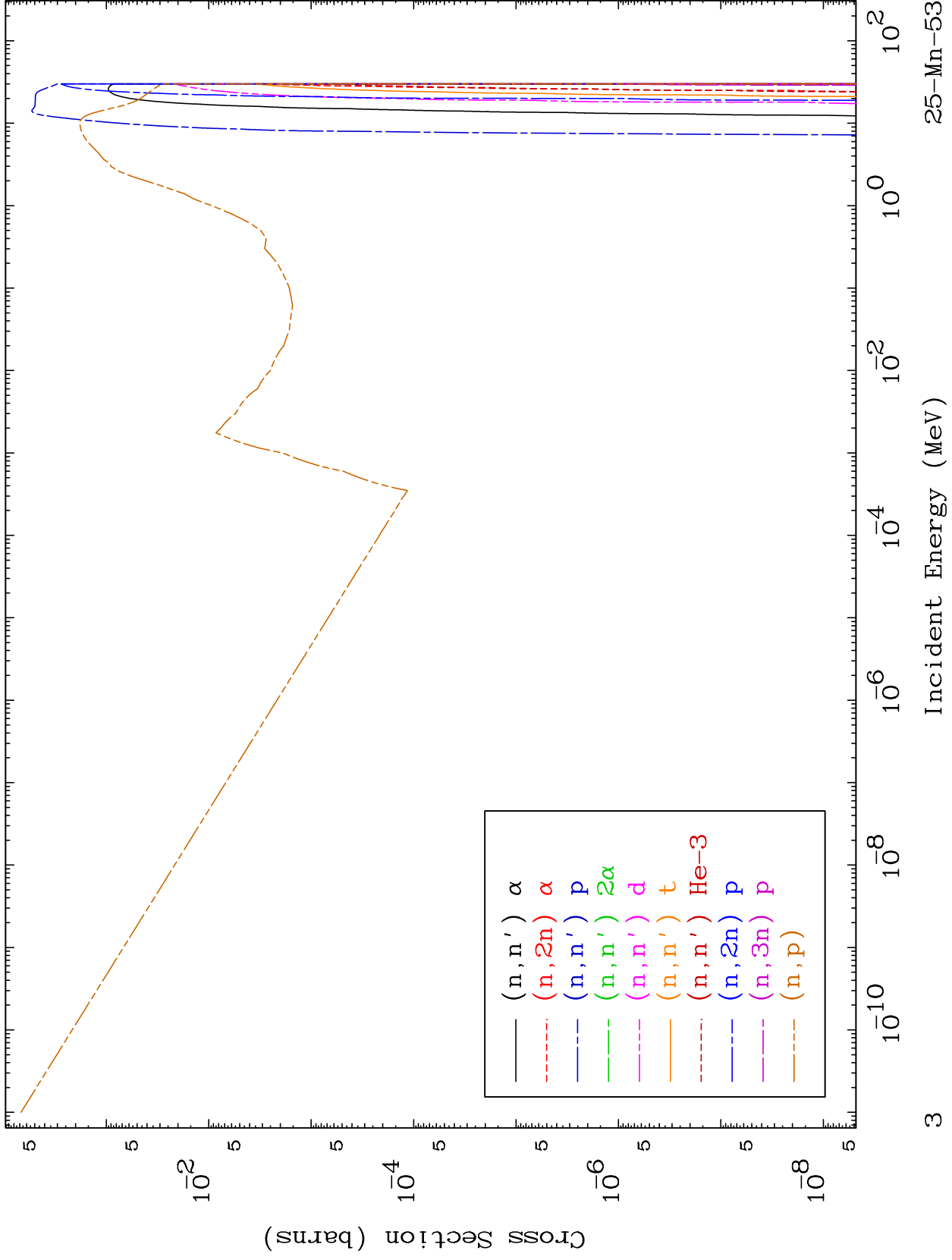
Incident Energy (MeV)

25-Mn-53

MAT 2519

Charged Particle  
293 Kelvin Cross Sections

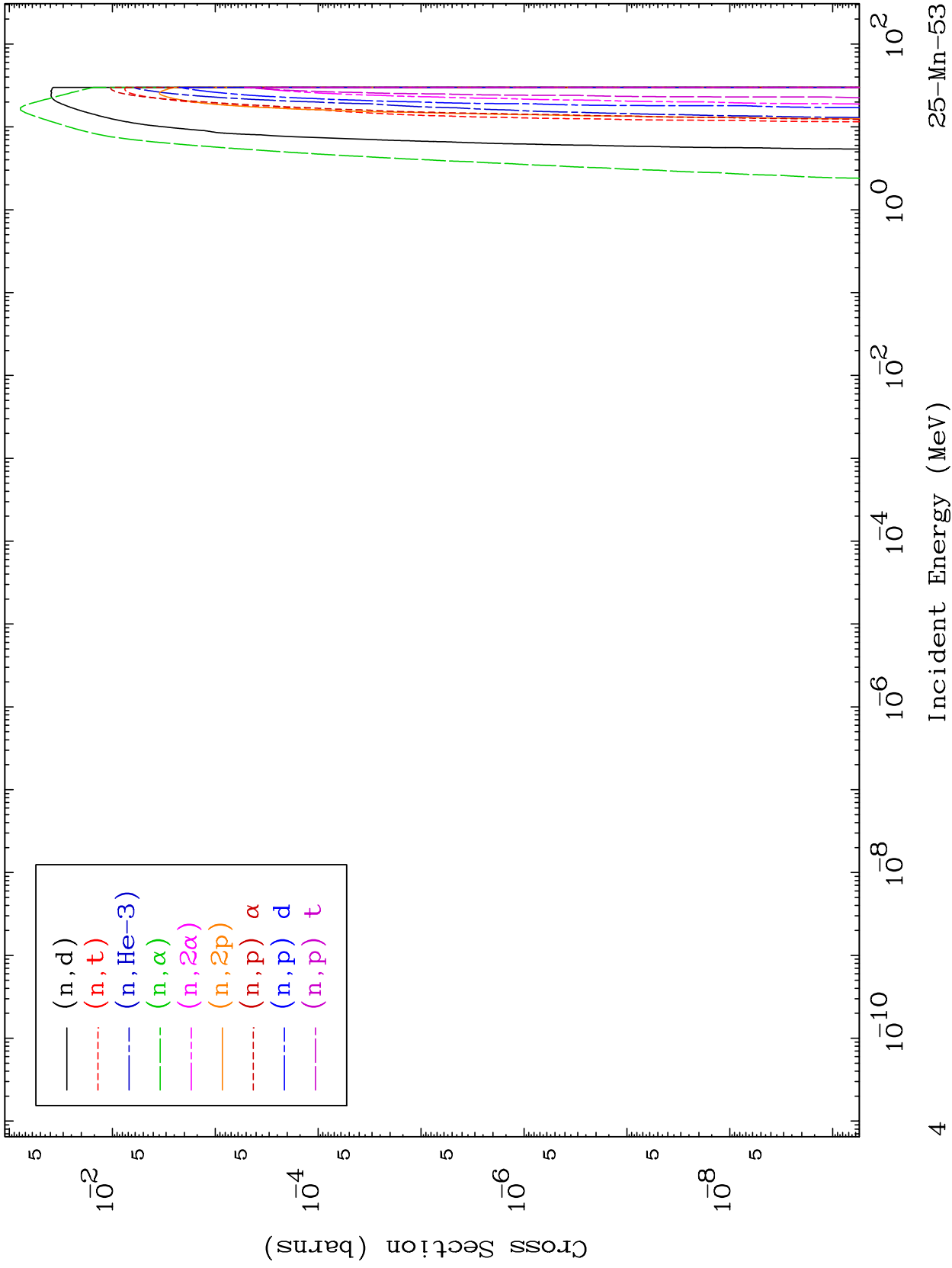
25-Mn-53



MAT 2519

Charged Particle  
293 Kelvin Cross Sections

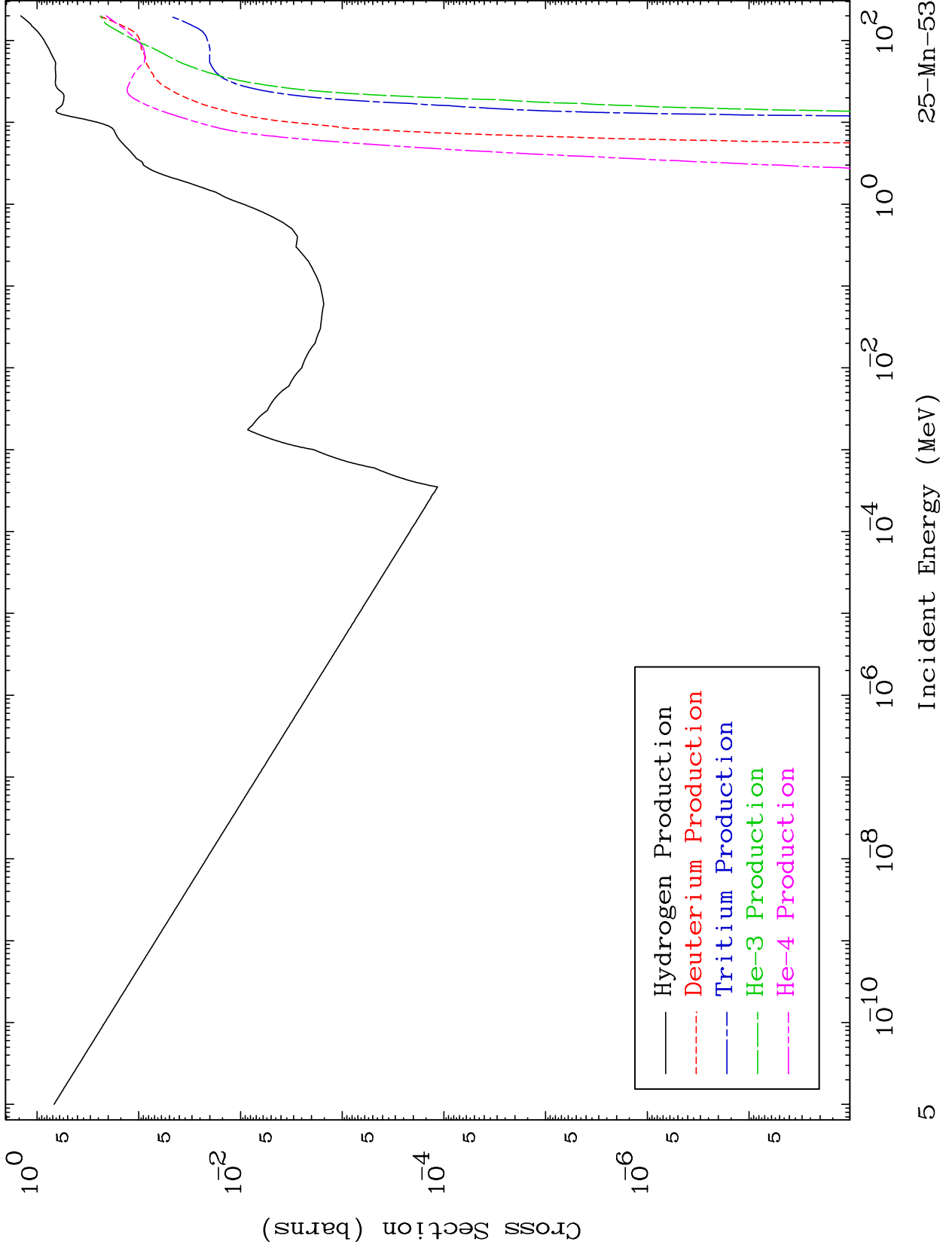
25-Mn-53



MAT 2519

Particle Production  
293 Kelvin Cross Sections

25-Mn-53

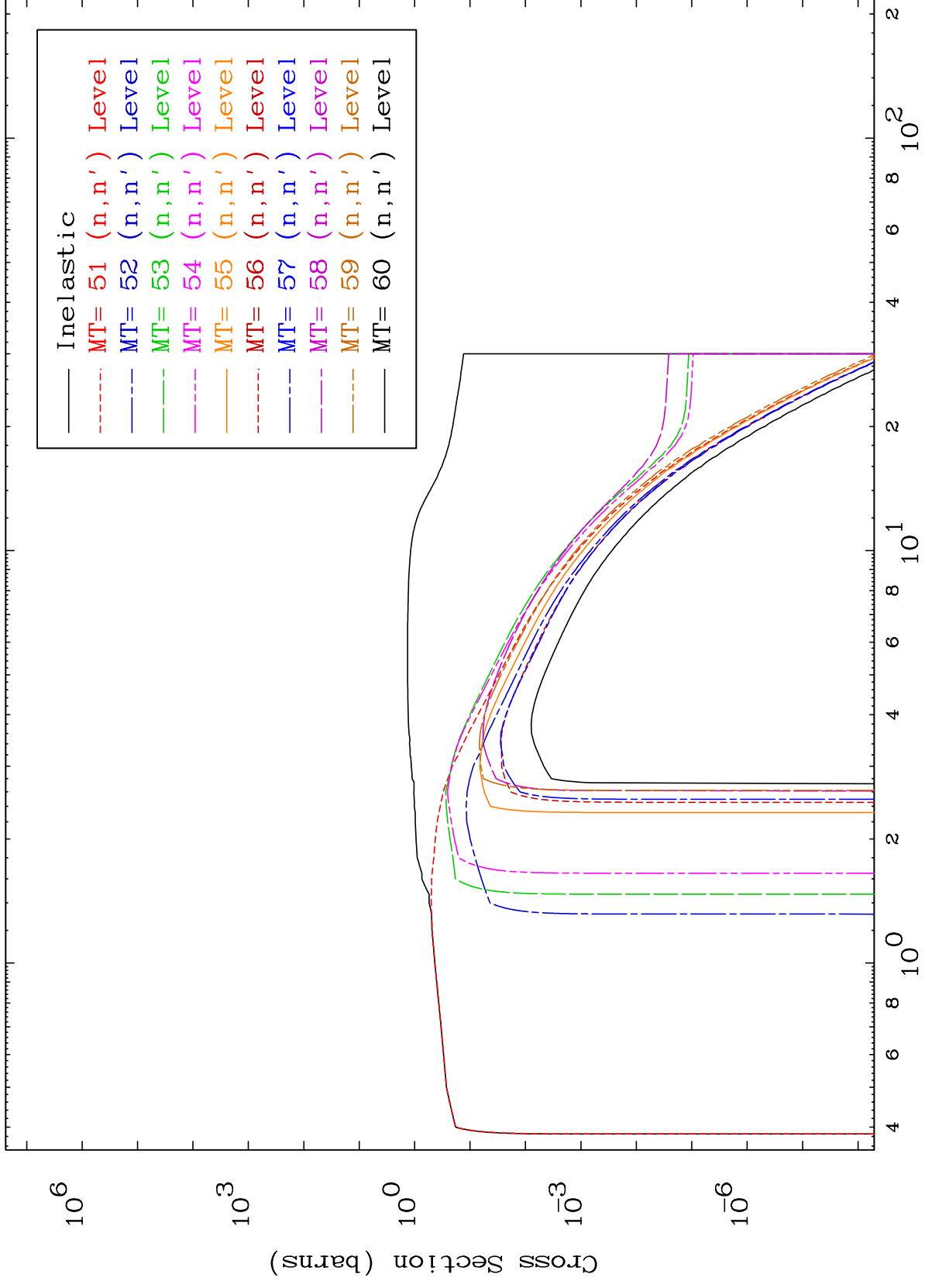


MAT 2519

(n,n') Level

25-Mn-53

293 Kelvin Cross Sections



6

Incident Energy (MeV)

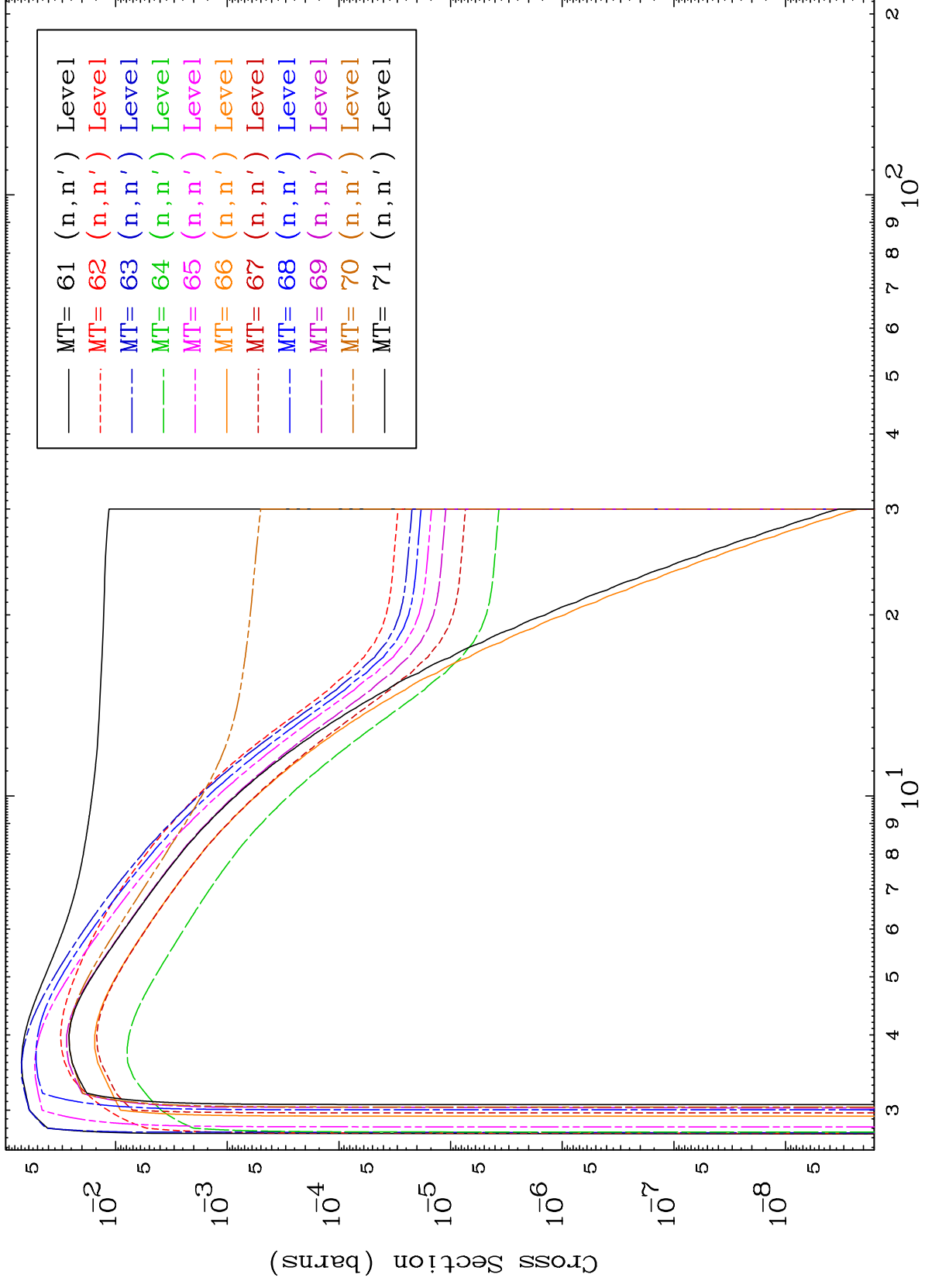
25-Mn-53

MAT 2519

(n,n') Level

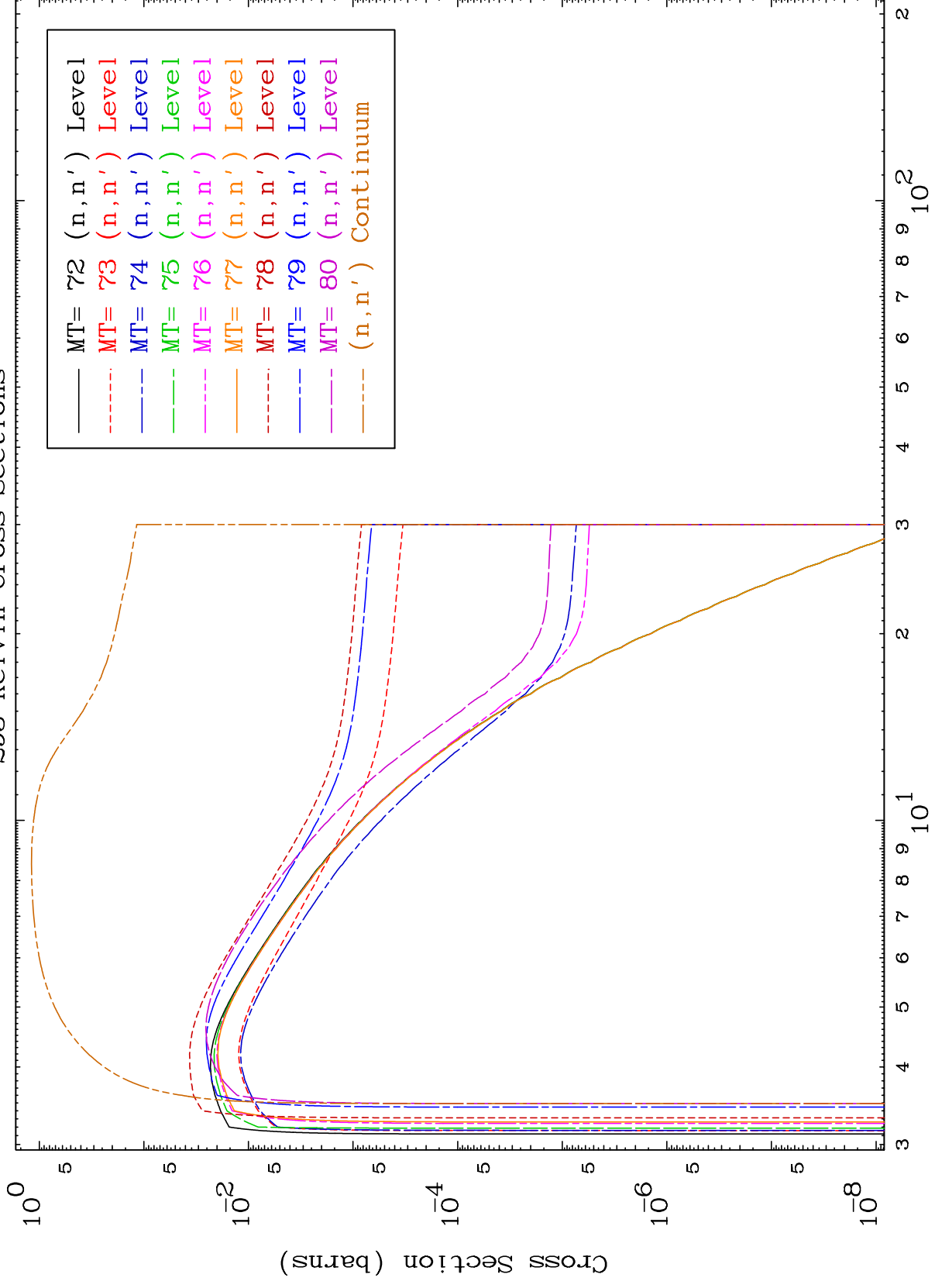
25-Mn-53

293 Kelvin Cross Sections





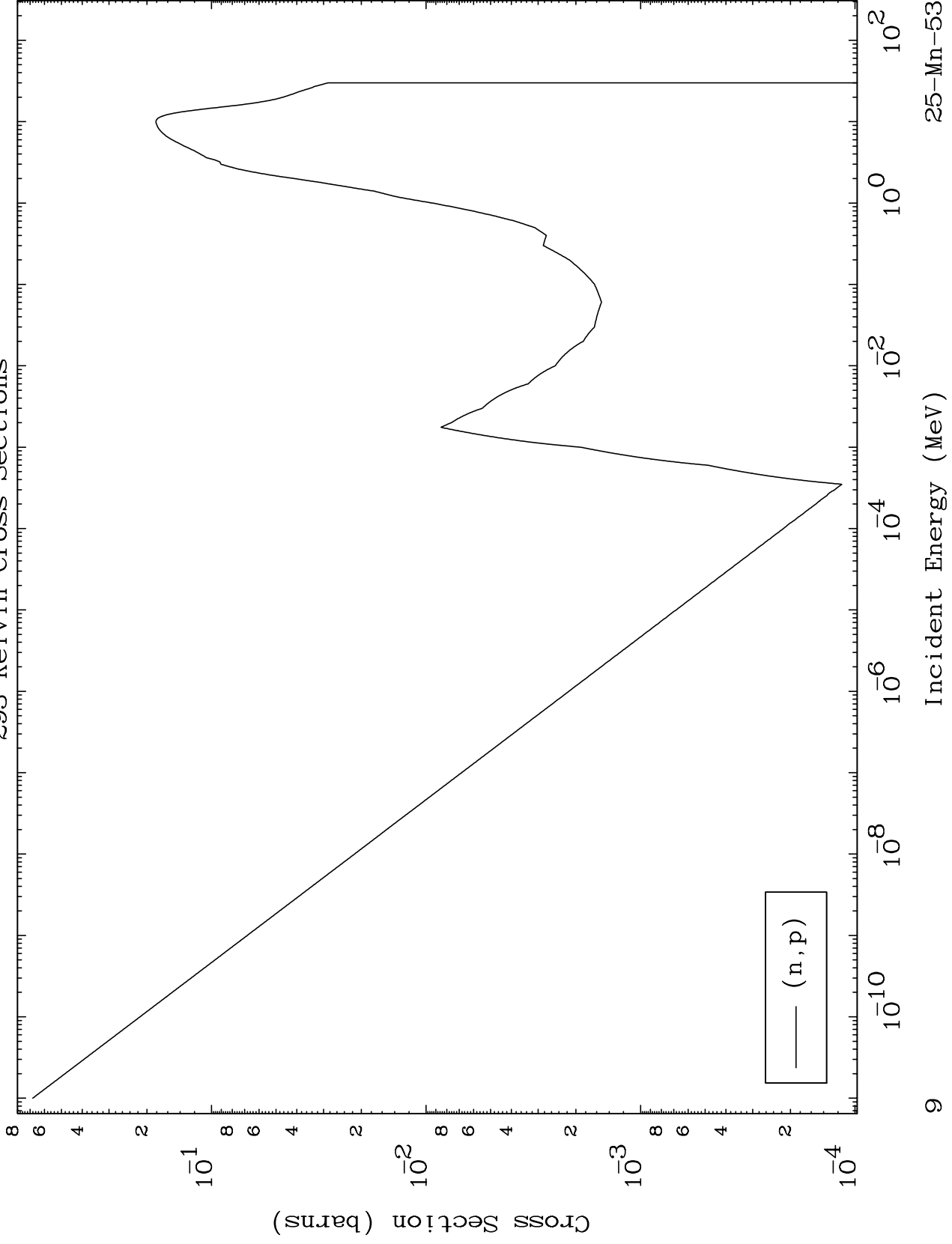
293 Kelvin Cross Sections



MAT 2519

(n,p) Levels  
293 Kelvin Cross Sections

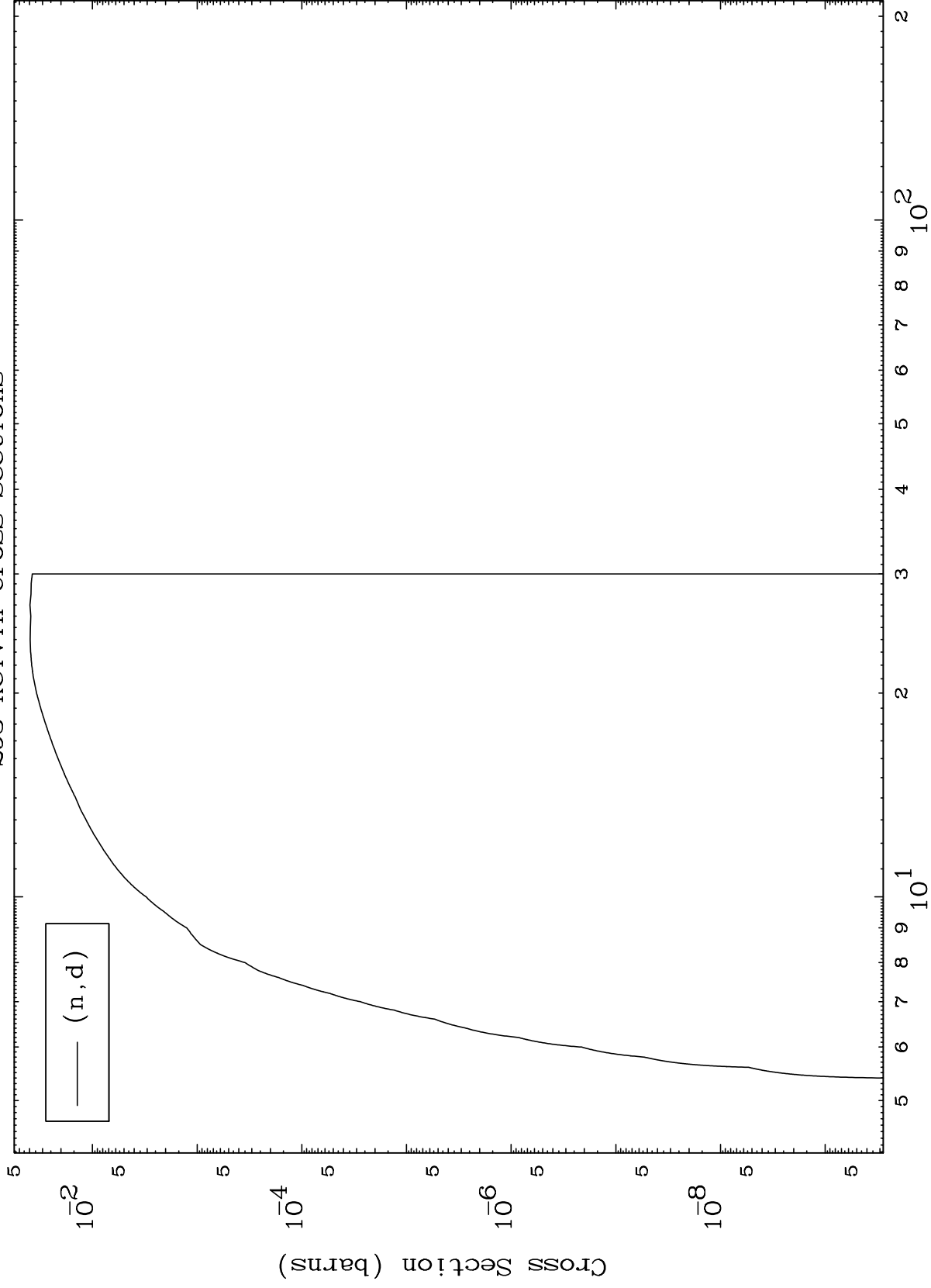
25-Mn-53



MAT 2519

(n,d) Levels  
293 Kelvin Cross Sections

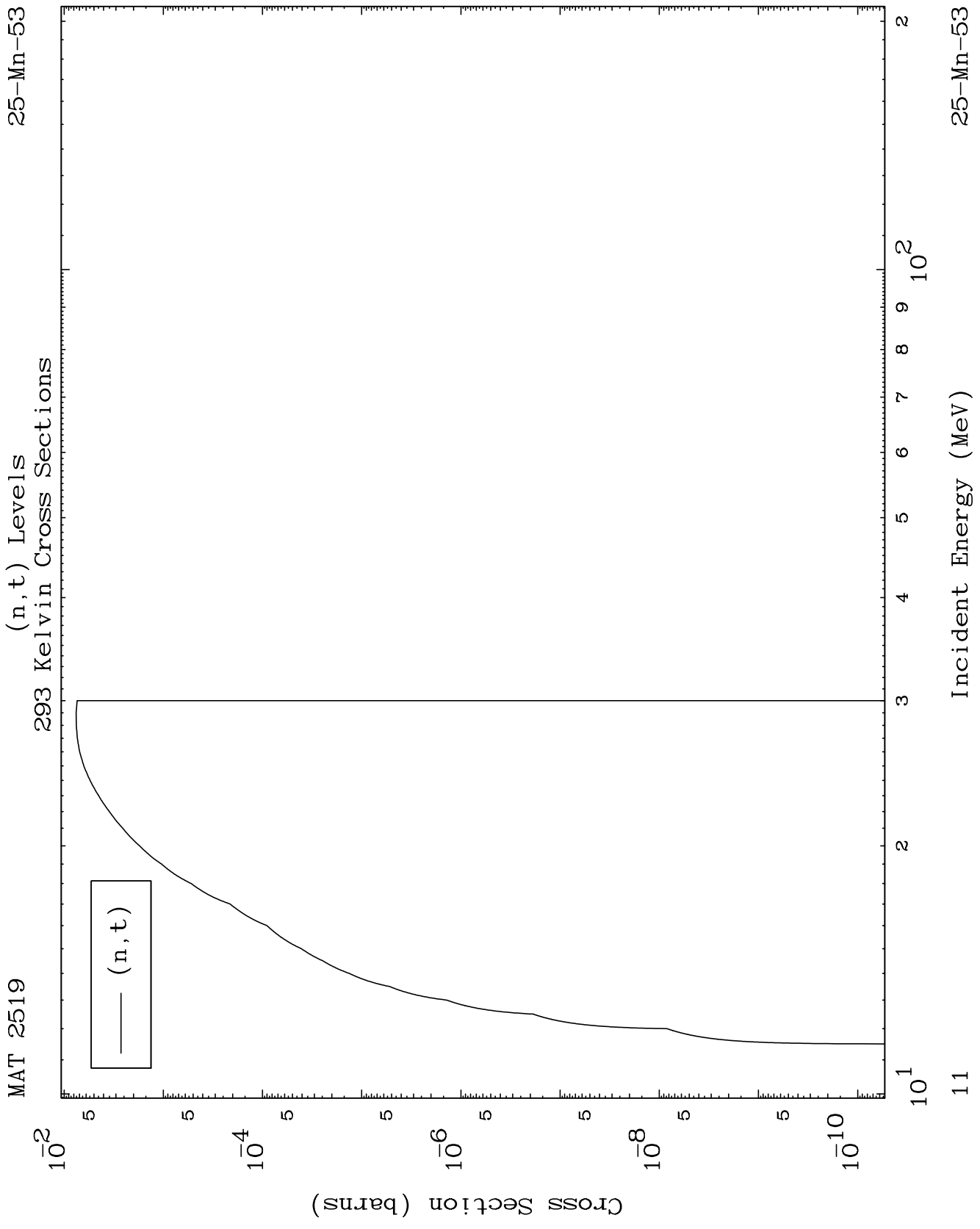
25-Mn-53



10

Incident Energy (MeV)

25-Mn-53



25-Mn-53

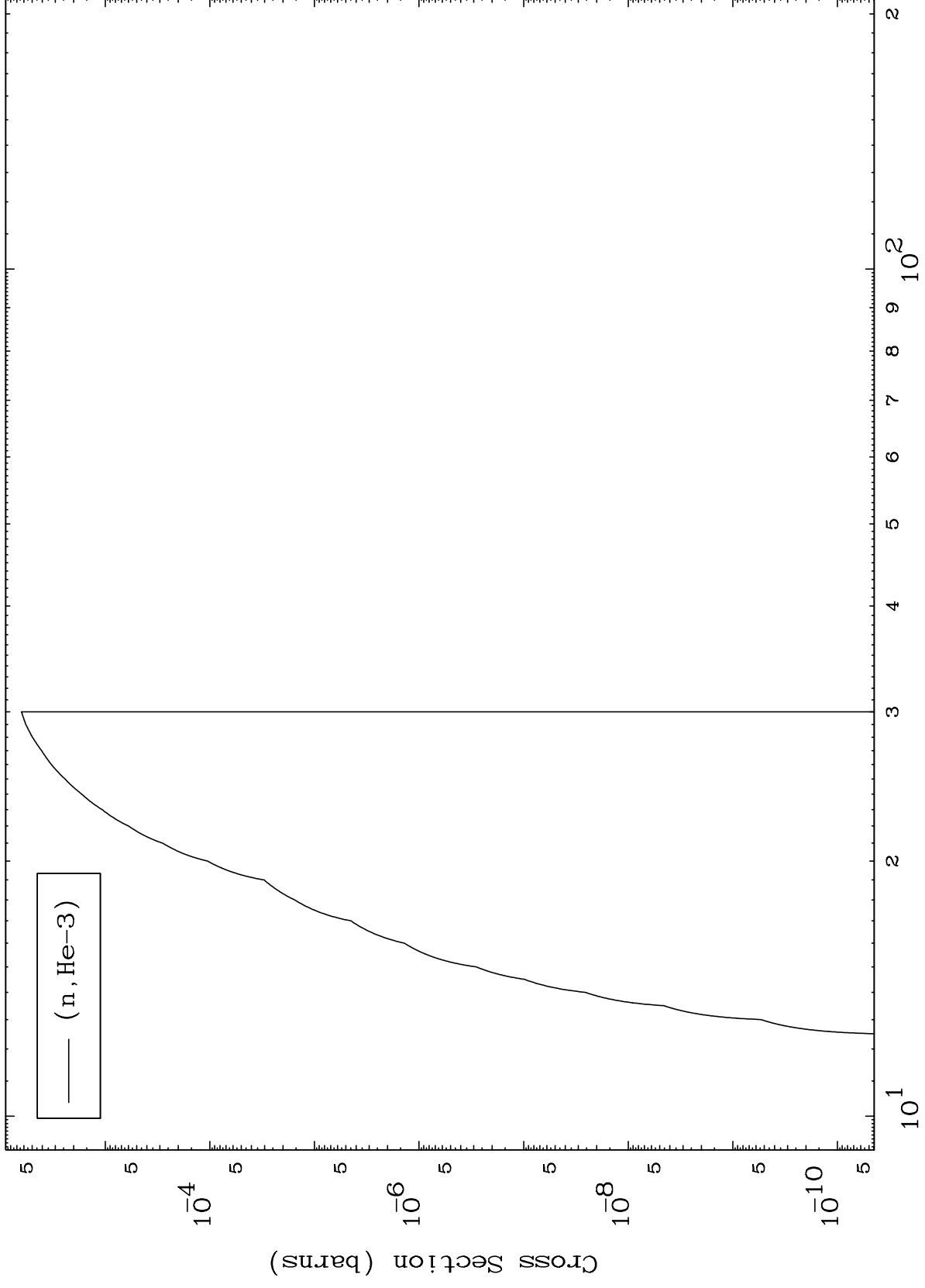
Incident Energy (MeV)

11

MAT 2519

(n,He3) Levels  
293 Kelvin Cross Sections

25-Mn-53



12

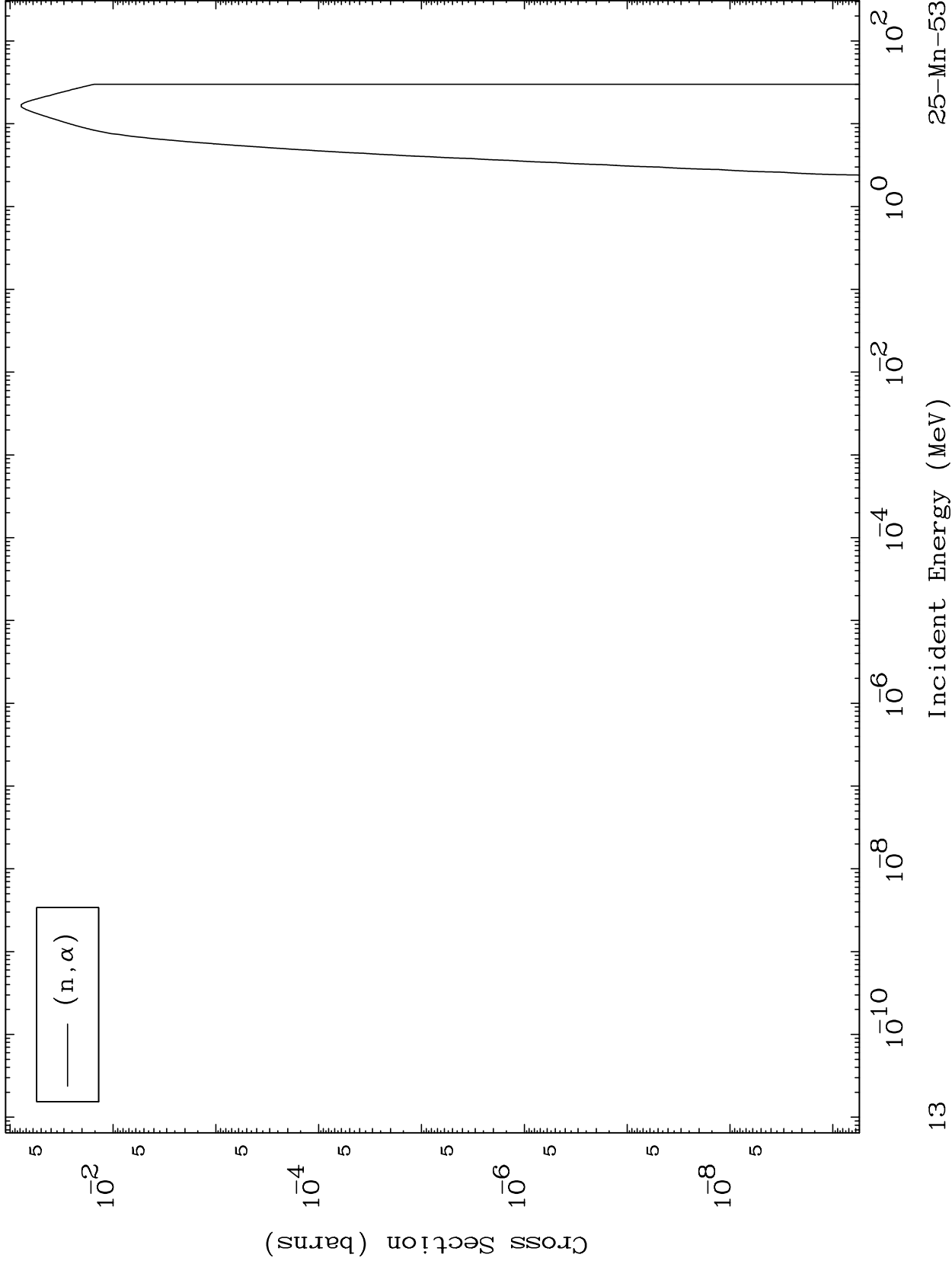
Incident Energy (MeV)

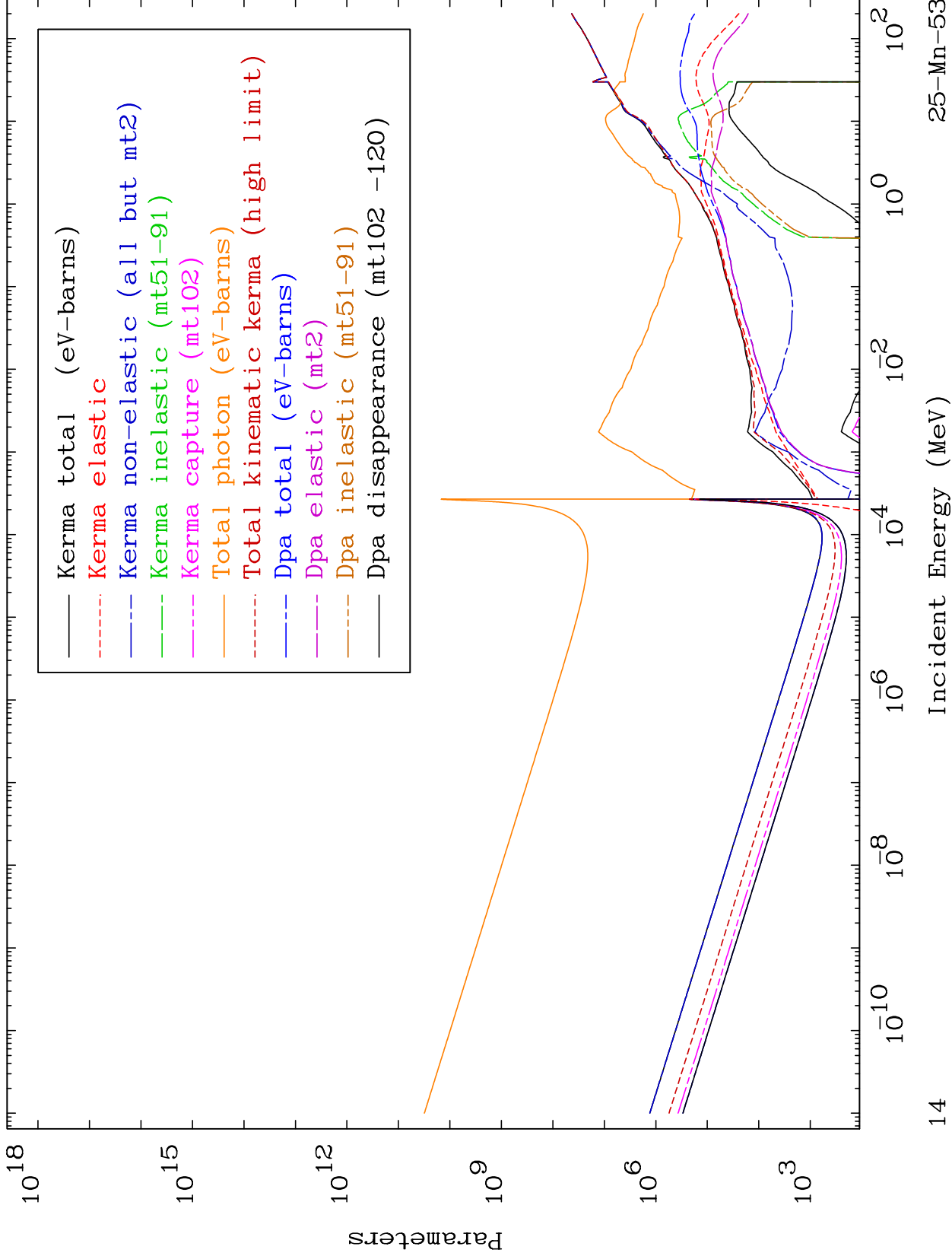
25-Mn-53

MAT 2519

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

25-Mn-53

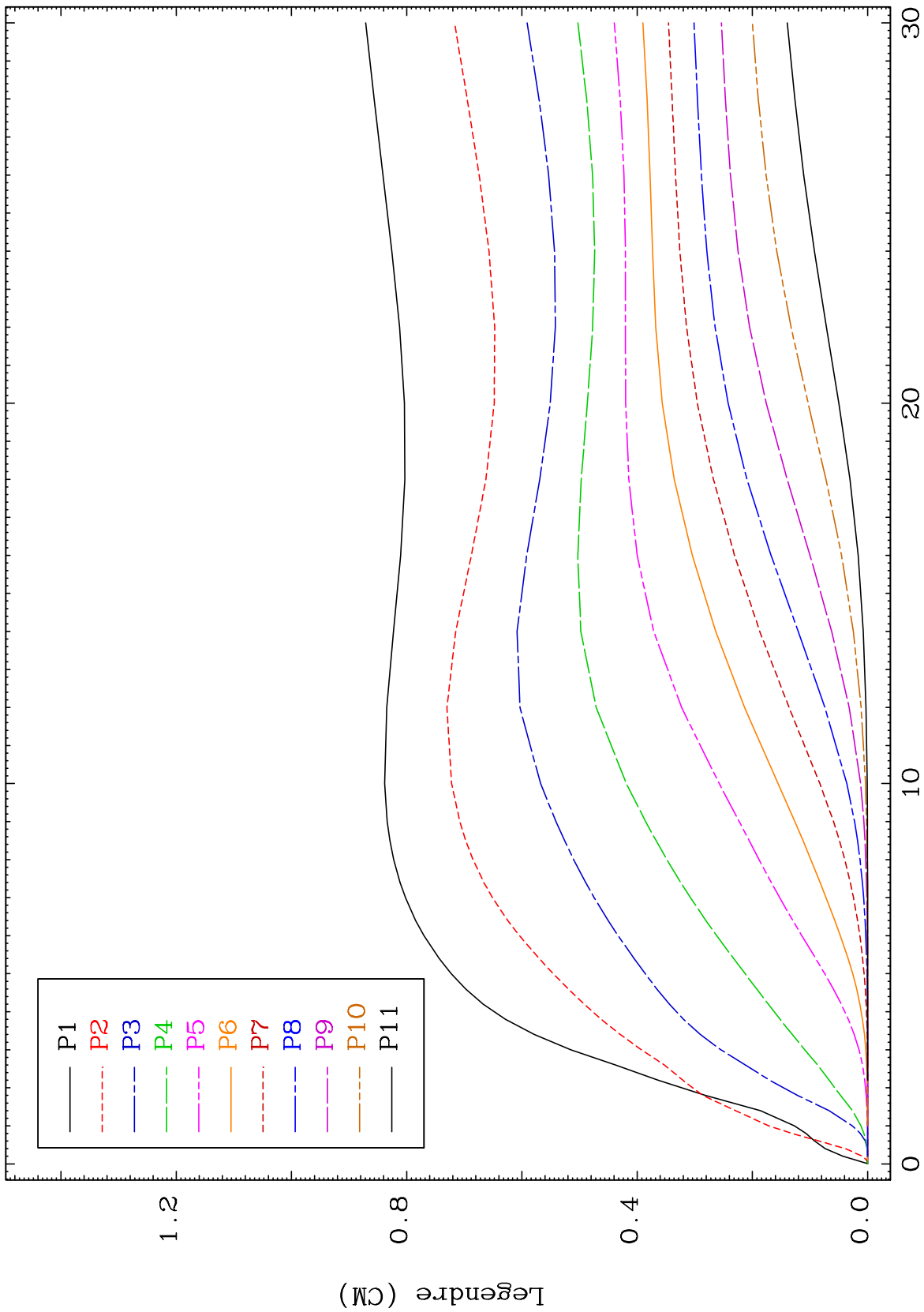




MAT 2519

Elastic Legendre Coefficients

25-Mn-53



15

Incident Energy (MeV)

25-Mn-53

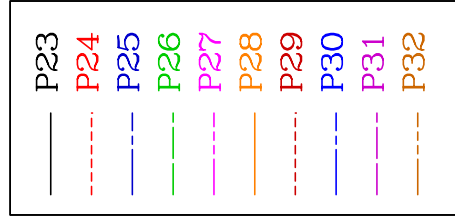




MAT 2519

Elastic  
Legendre Coefficients

25-Mn-53



$\times 10^{-6}$   
2.0

1.5

1.0

0.5

0.0

10

15

20

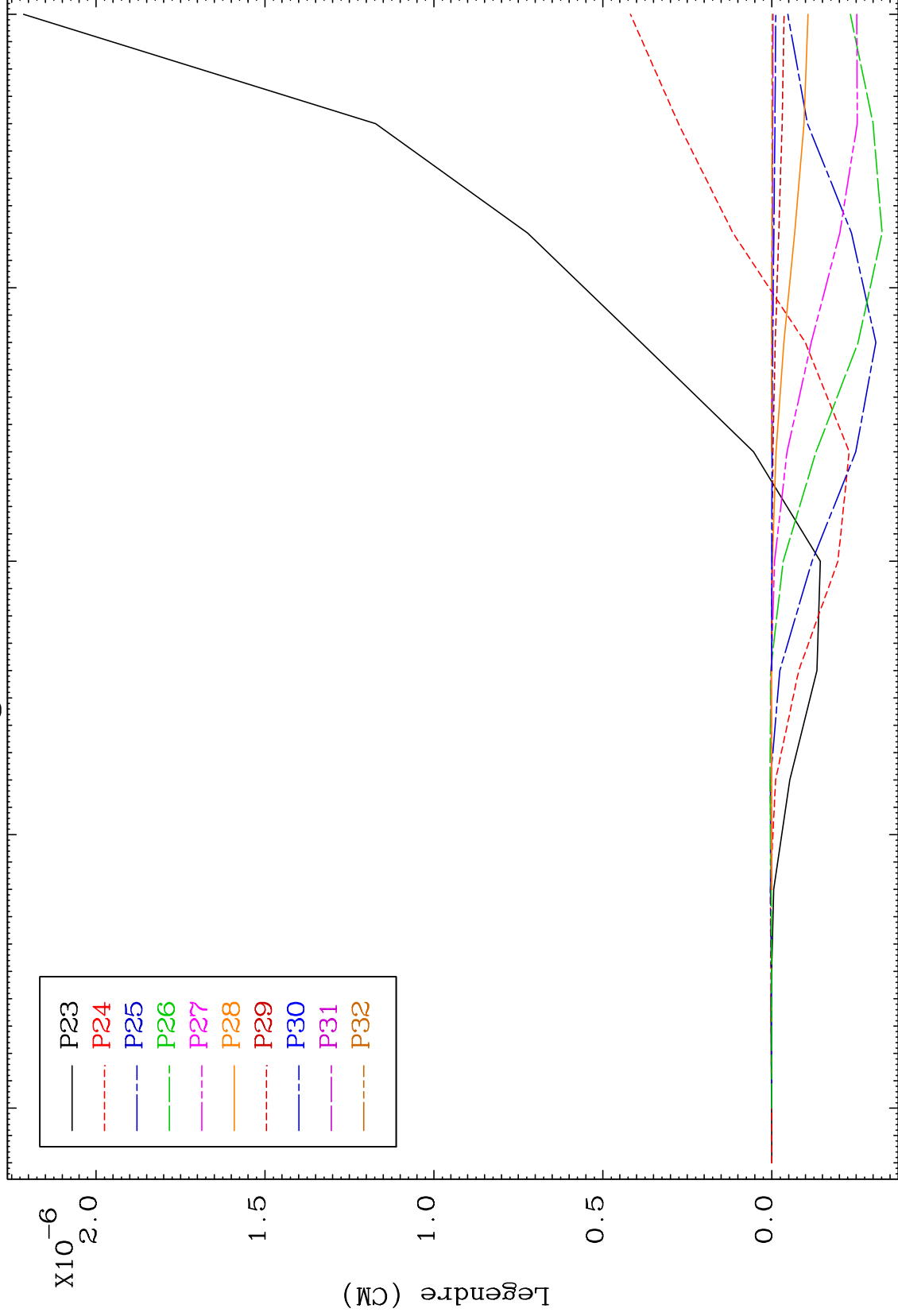
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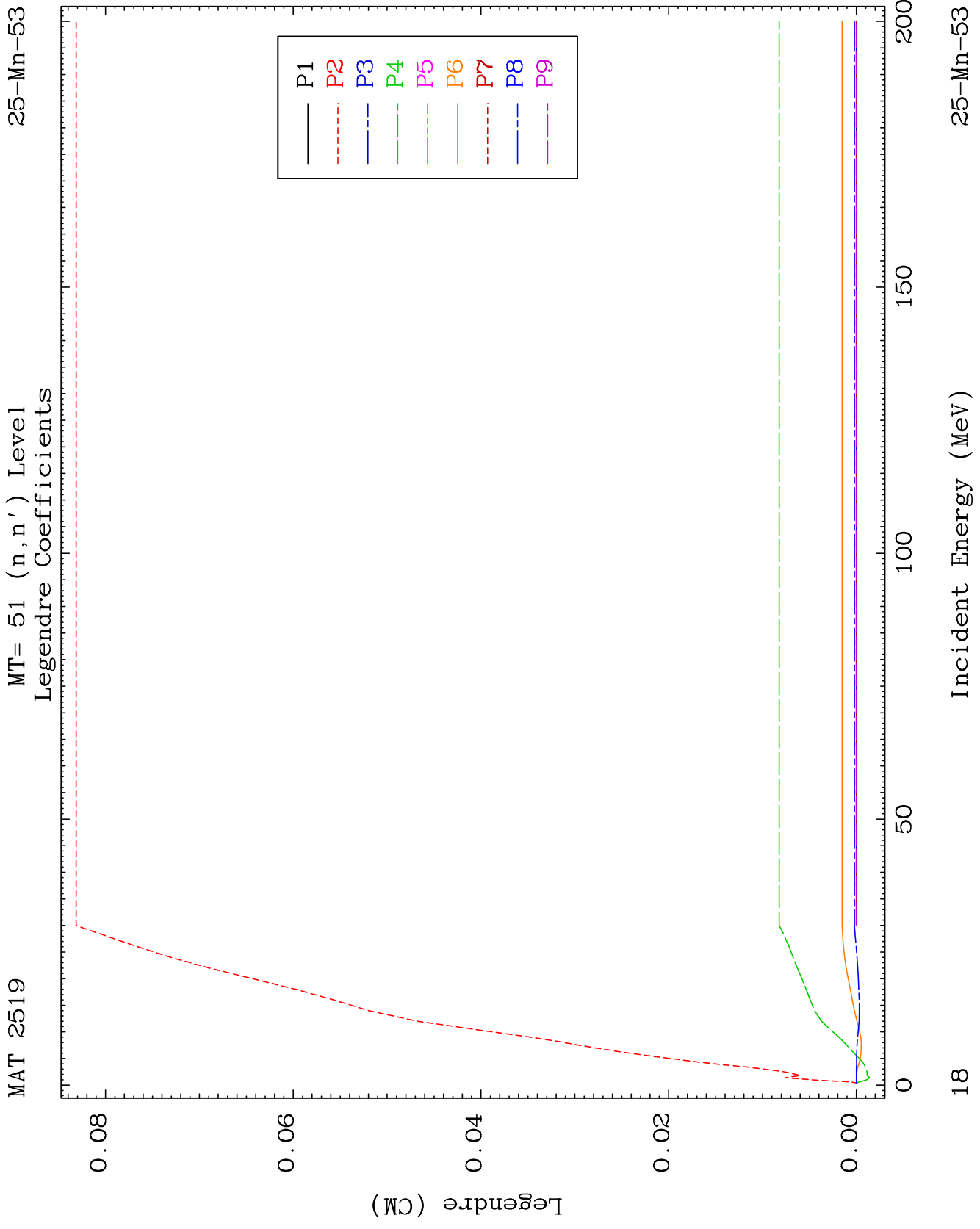
30

17

Incident Energy (MeV)

25-Mn-53





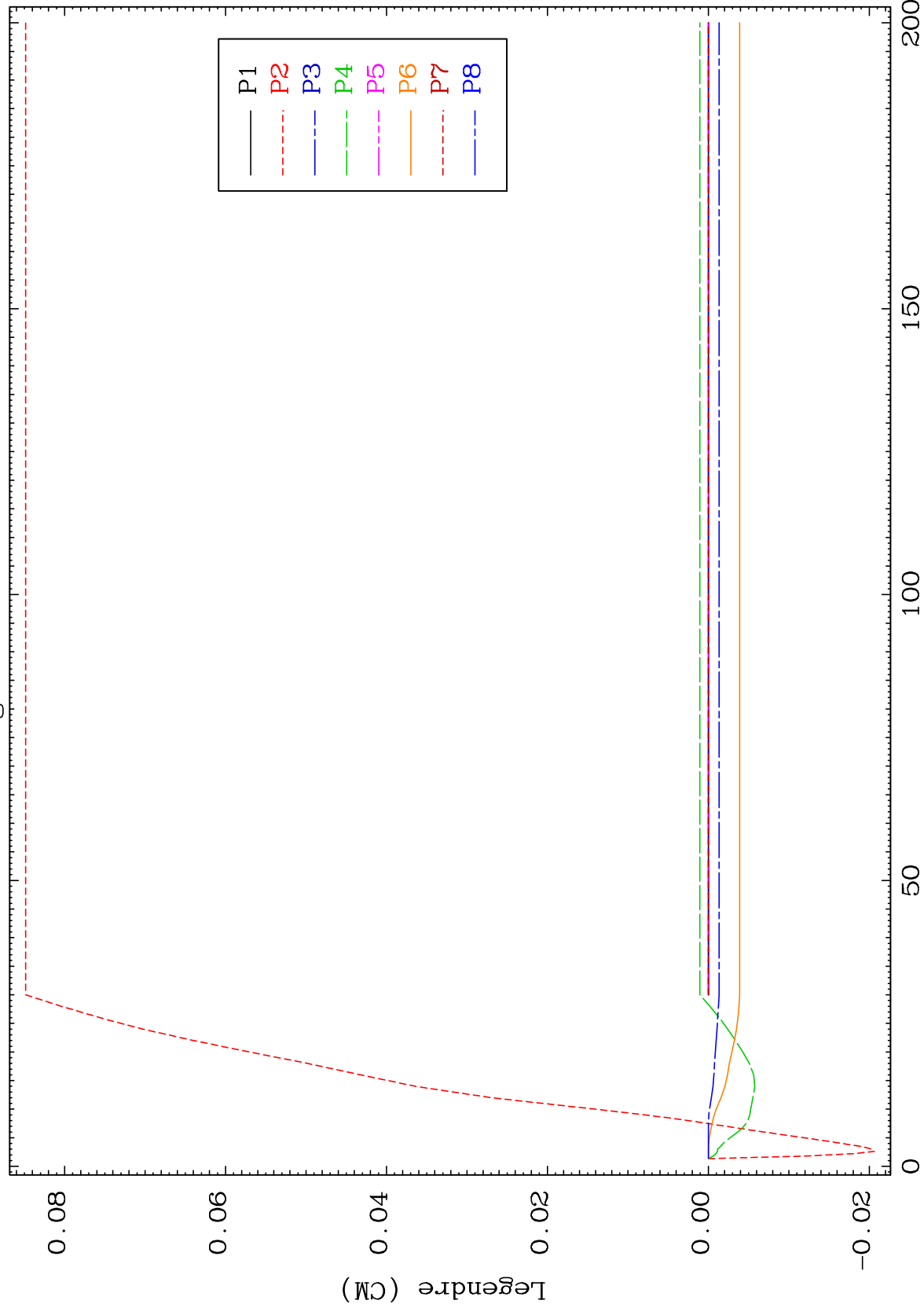




MAT 2519

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

25-Mn-53



21

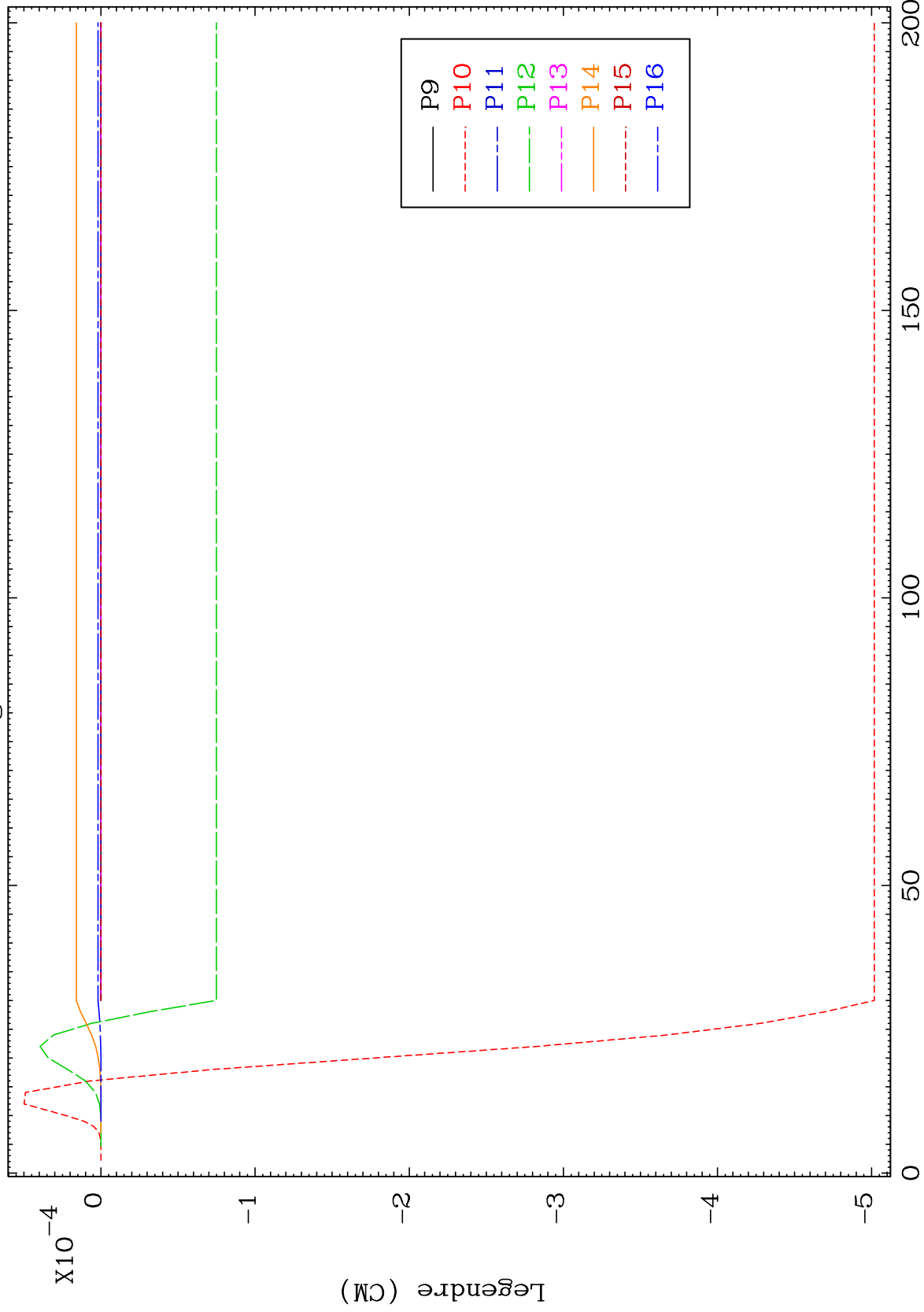
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



22

Incident Energy (MeV)

25-Mn-53

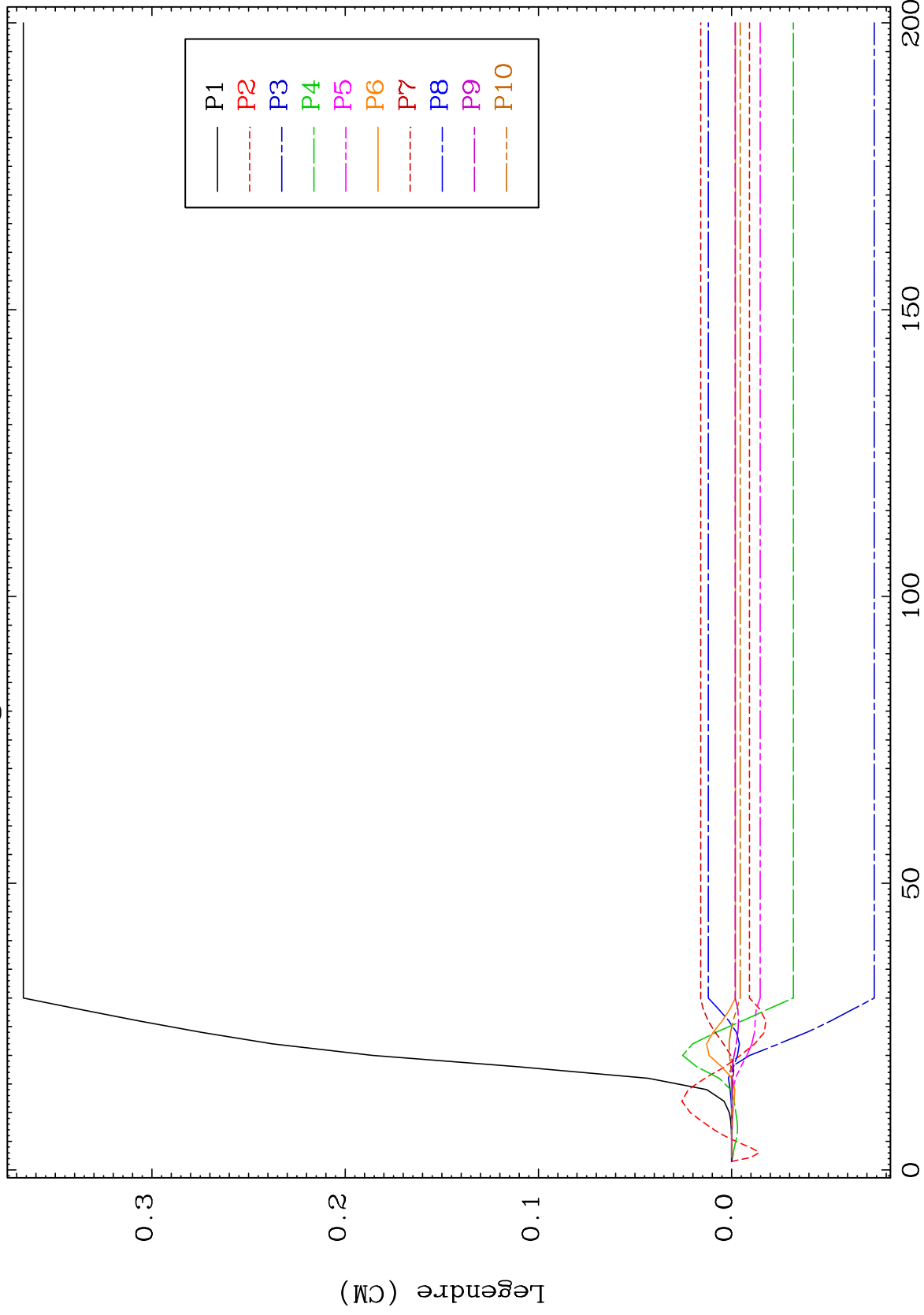




MAT 2519

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

25-Mn-53



24

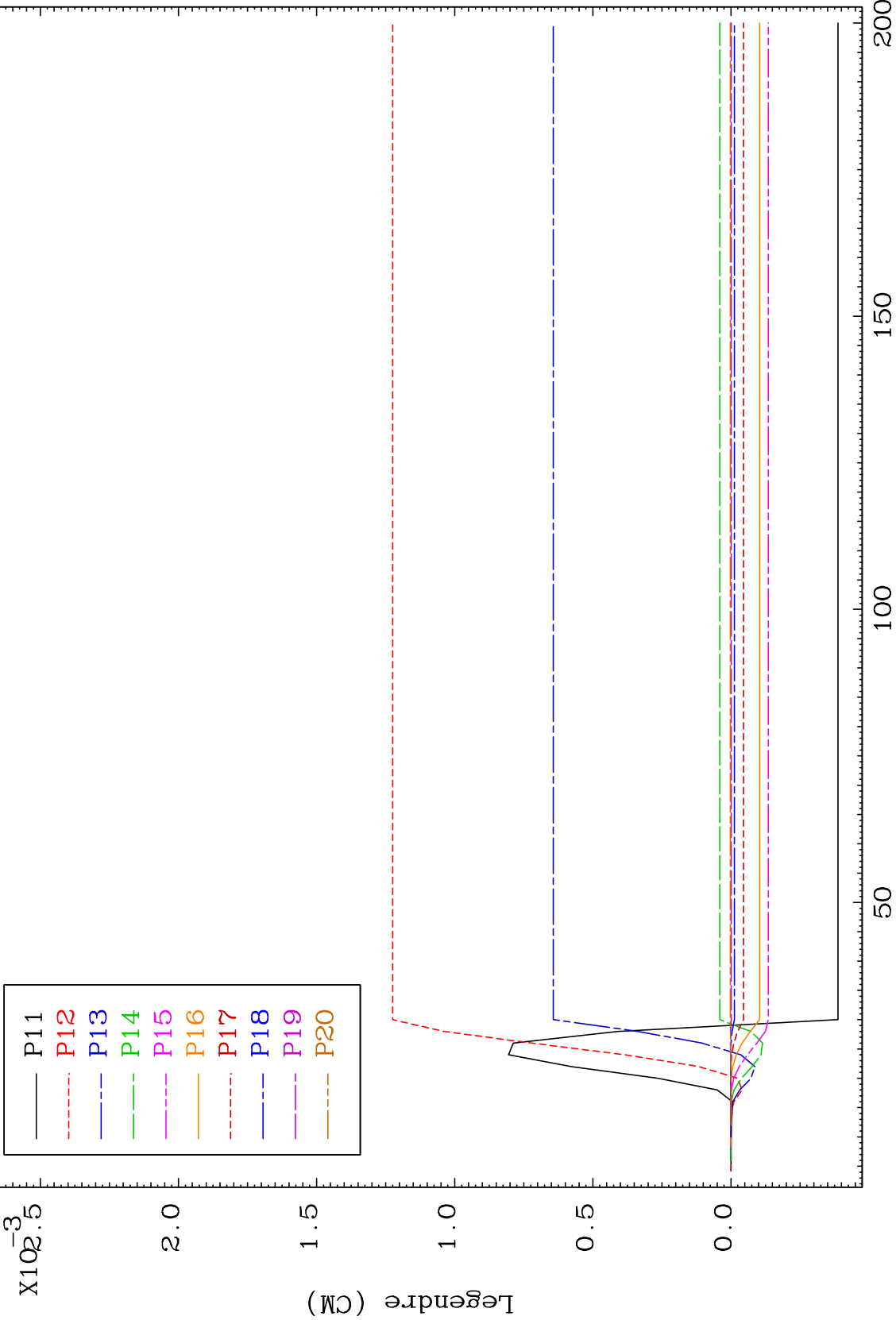
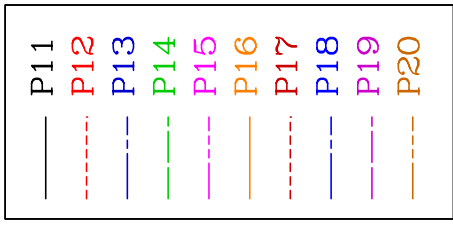
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



25

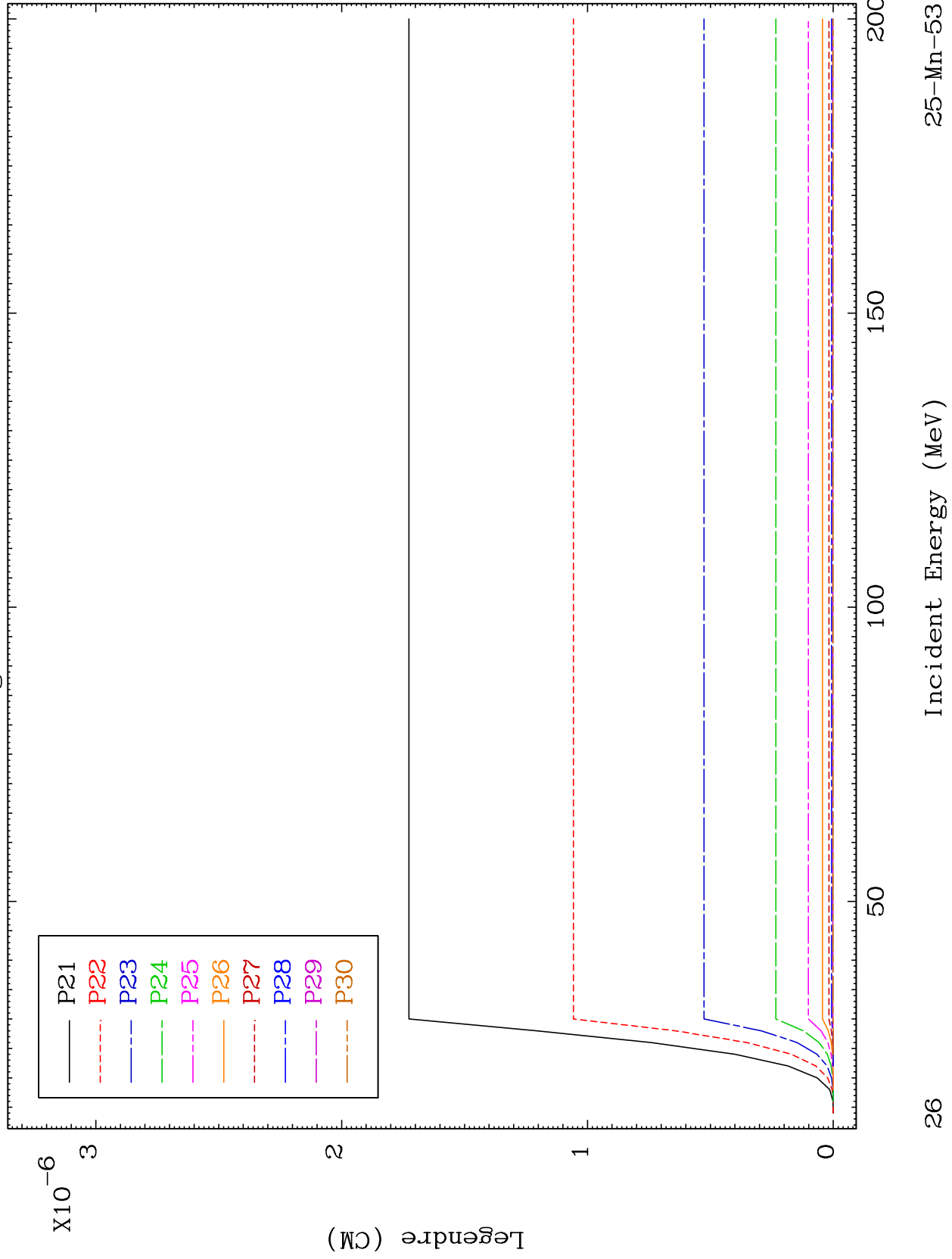
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

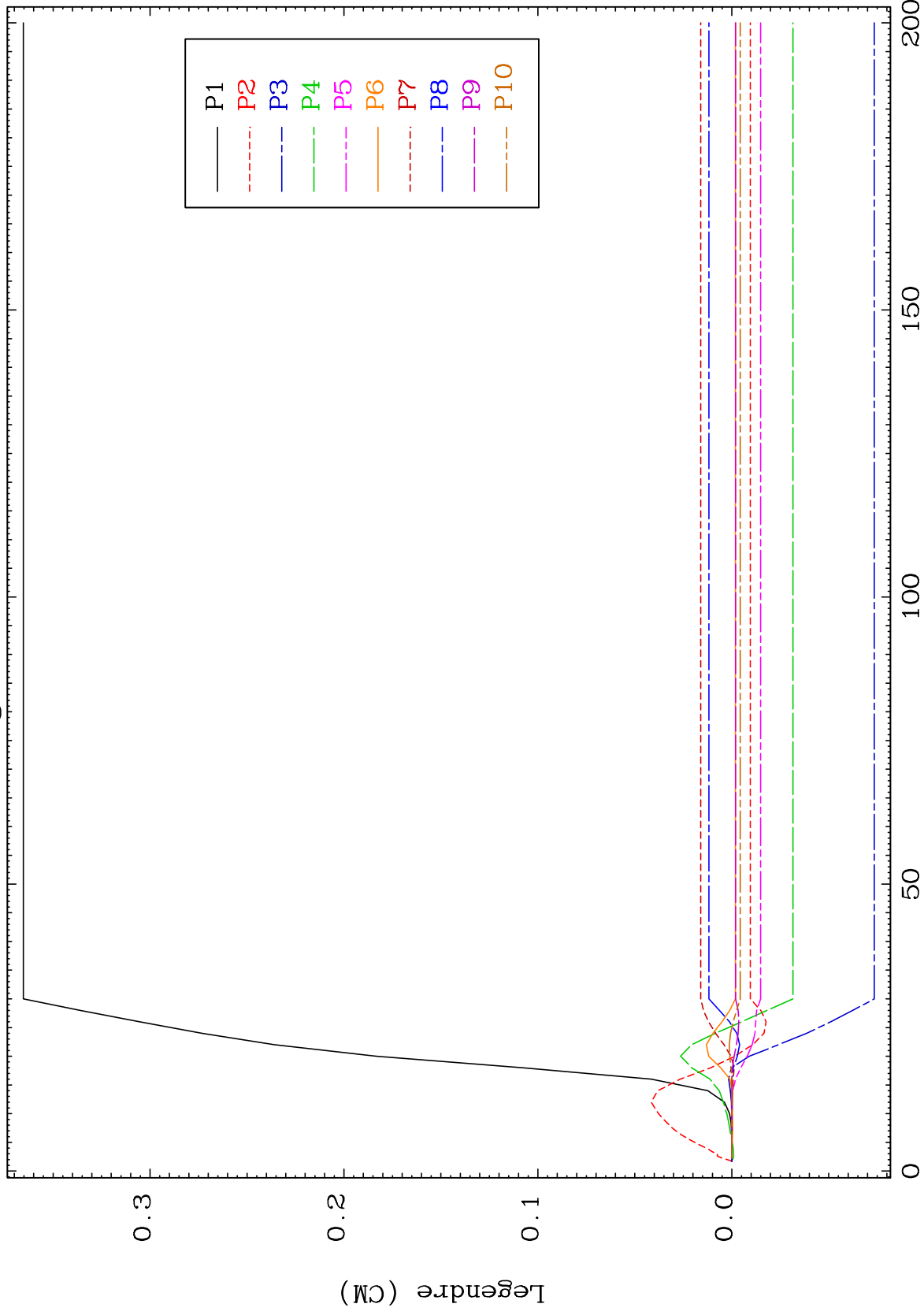
25-Mn-53



MAT 2519

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

25-Mn-53



27

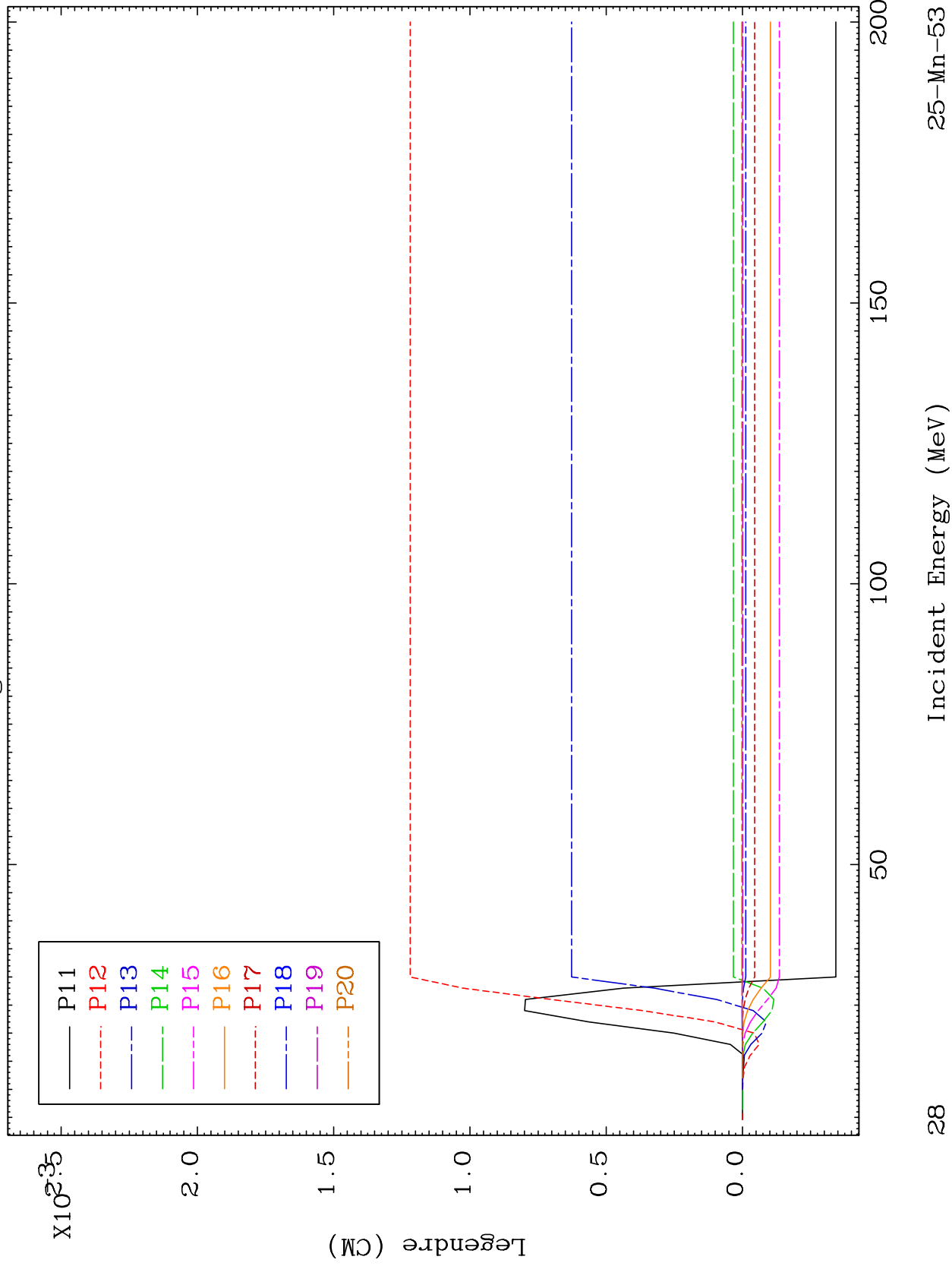
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



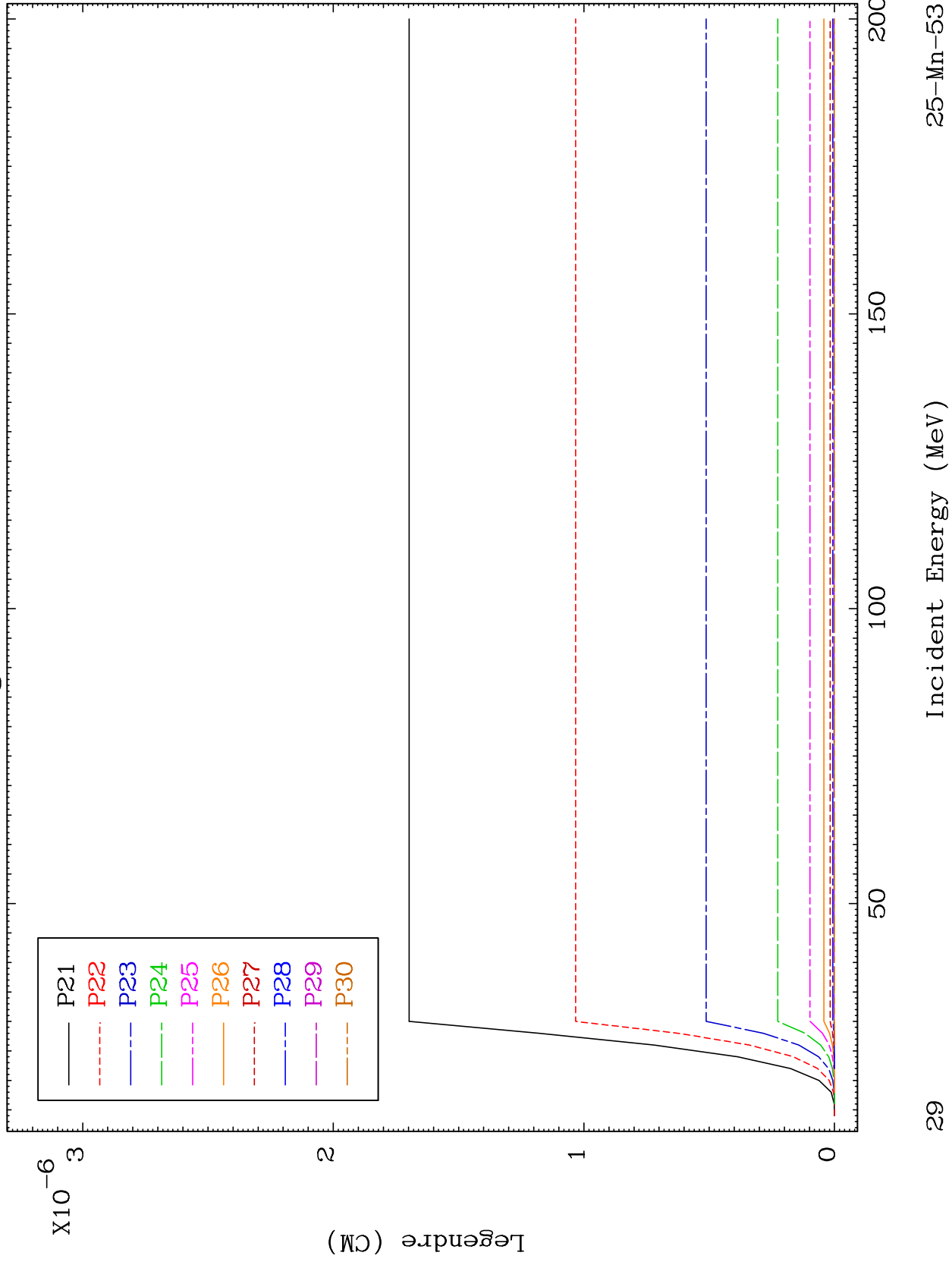
28

25-Mn-53

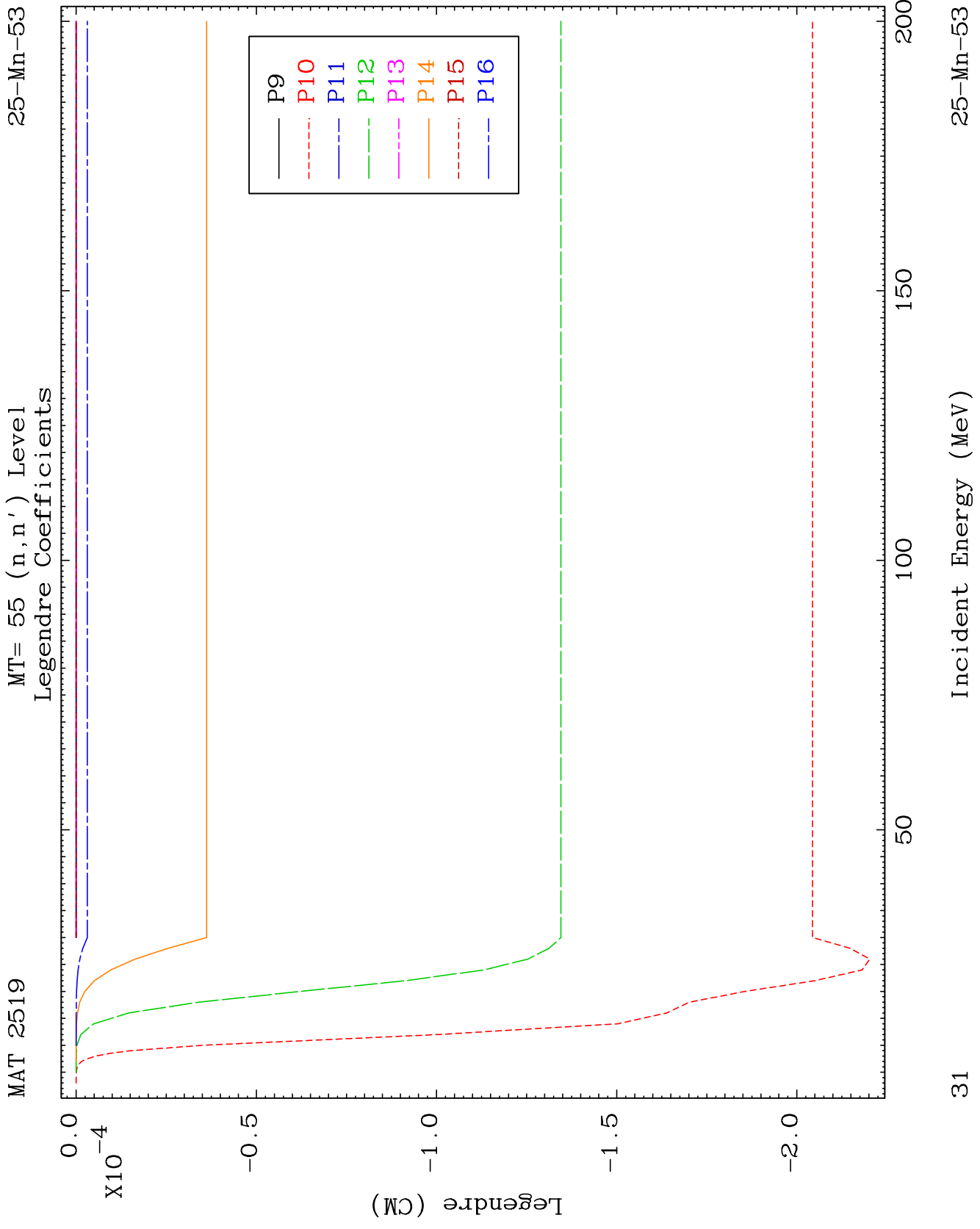
MAT 2519

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

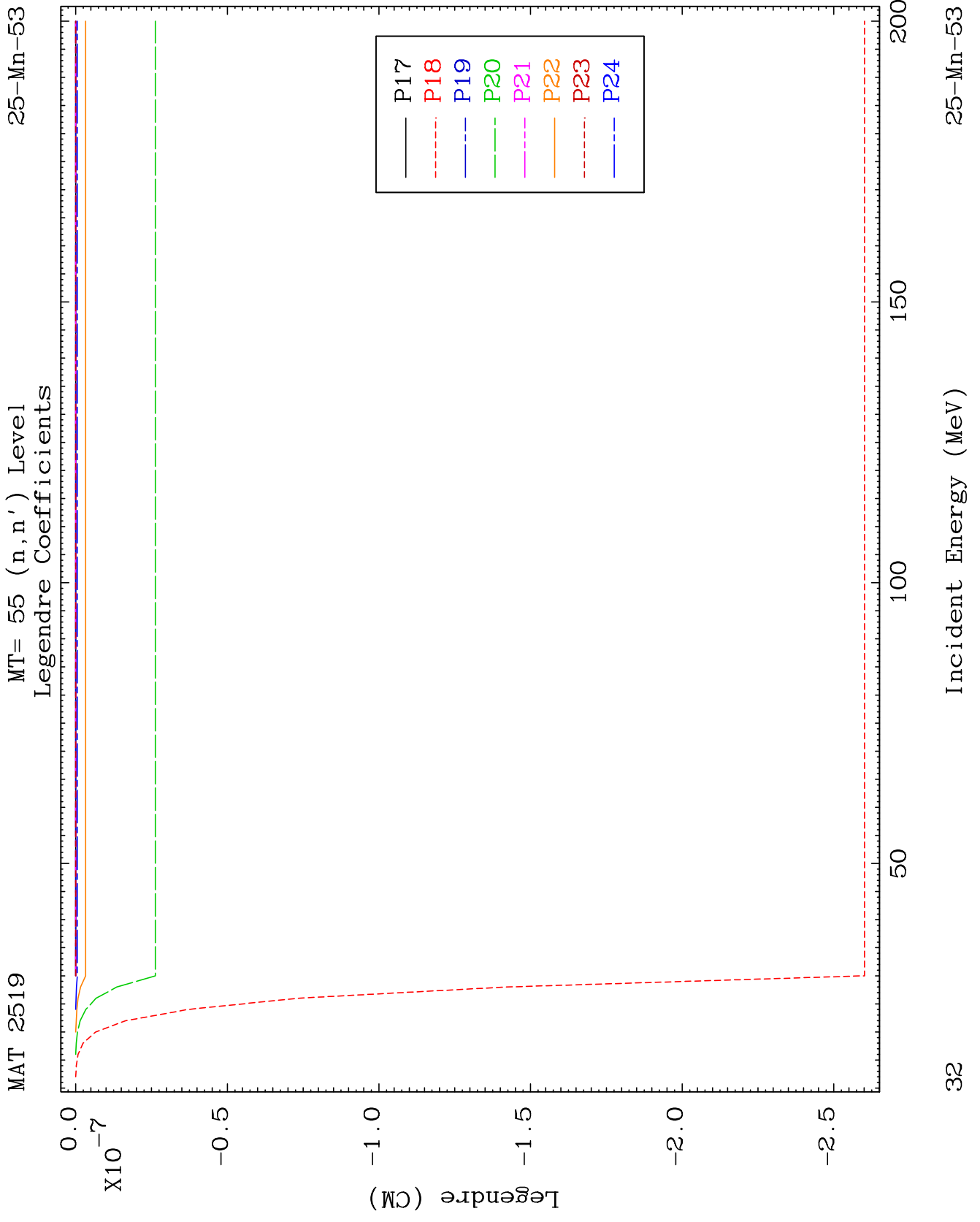
25-Mn-53







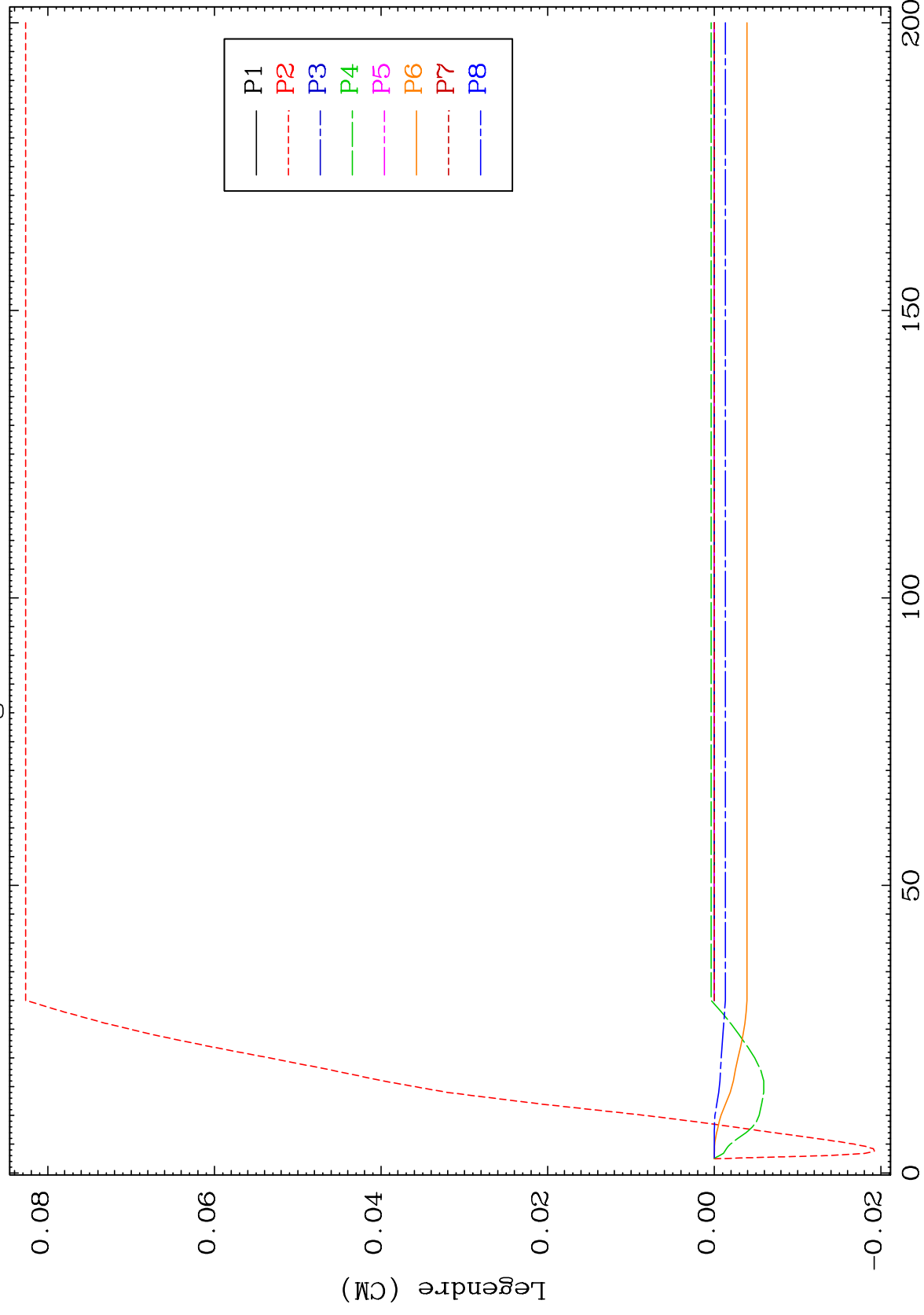




MAT 2519

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

25-Mn-53



33

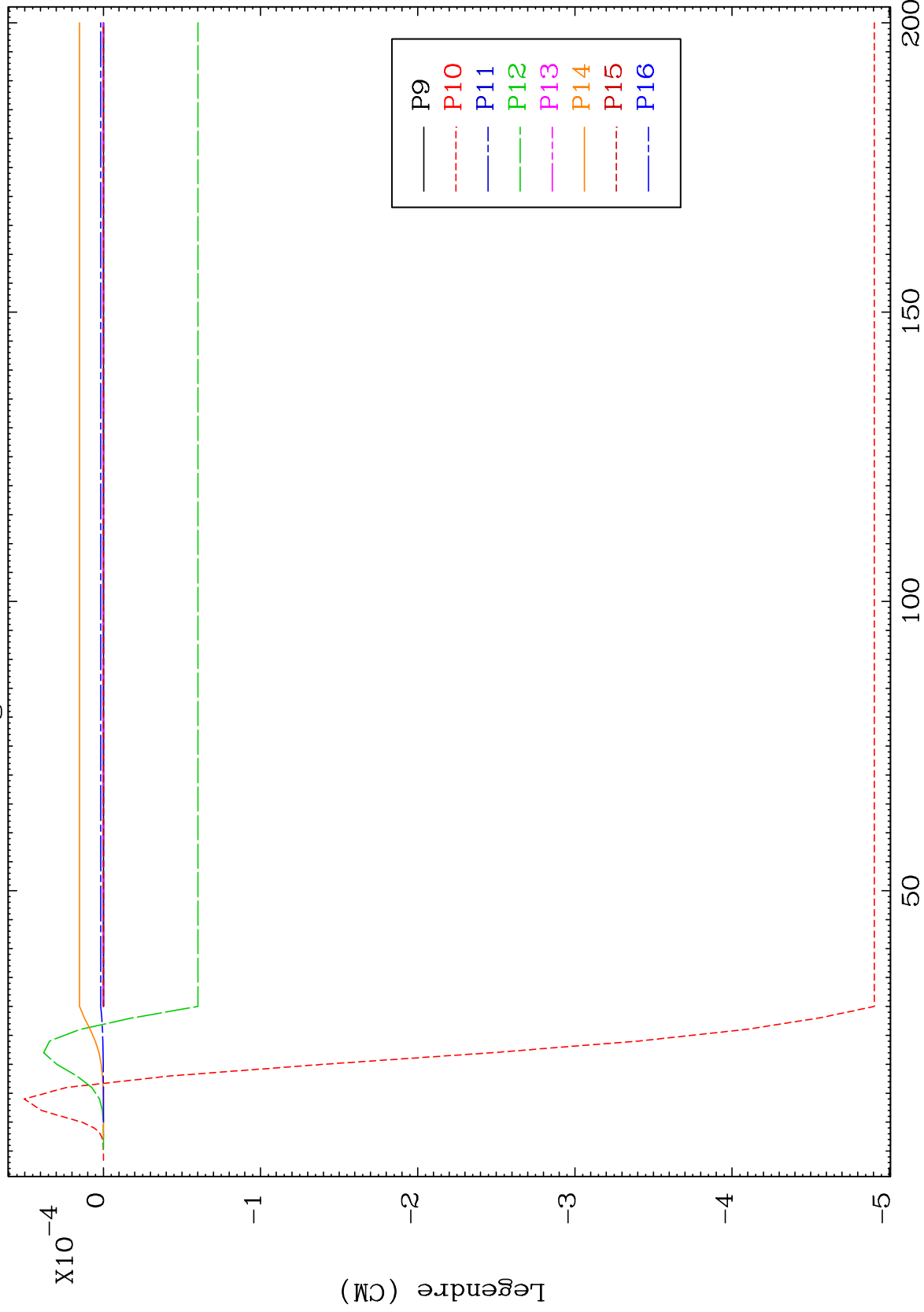
Incident Energy (MeV)

25-Mn-53

MAT 2519

25-Mn-53

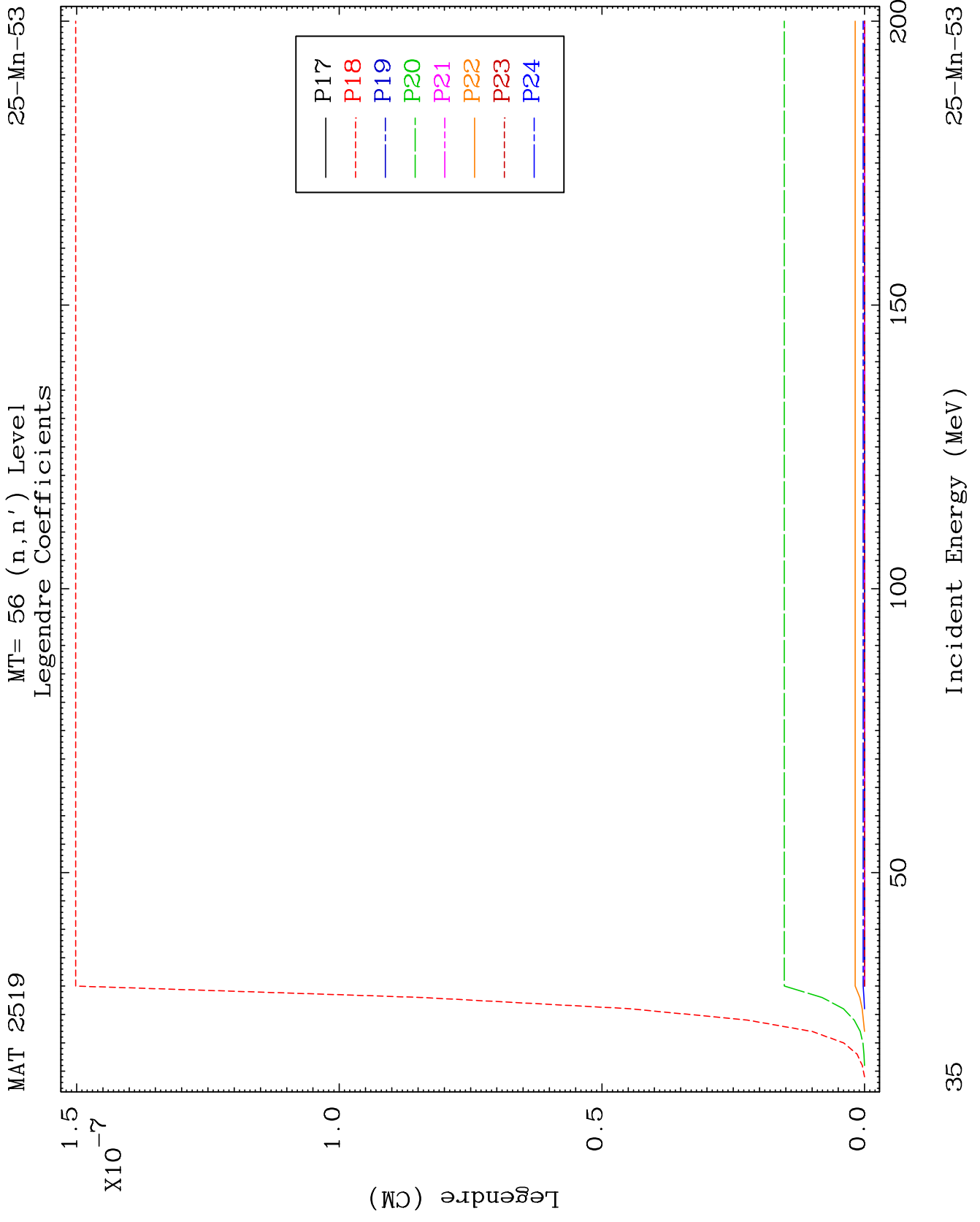
MT= 56 (n,n') Level  
Legendre Coefficients



34

Incident Energy (MeV)

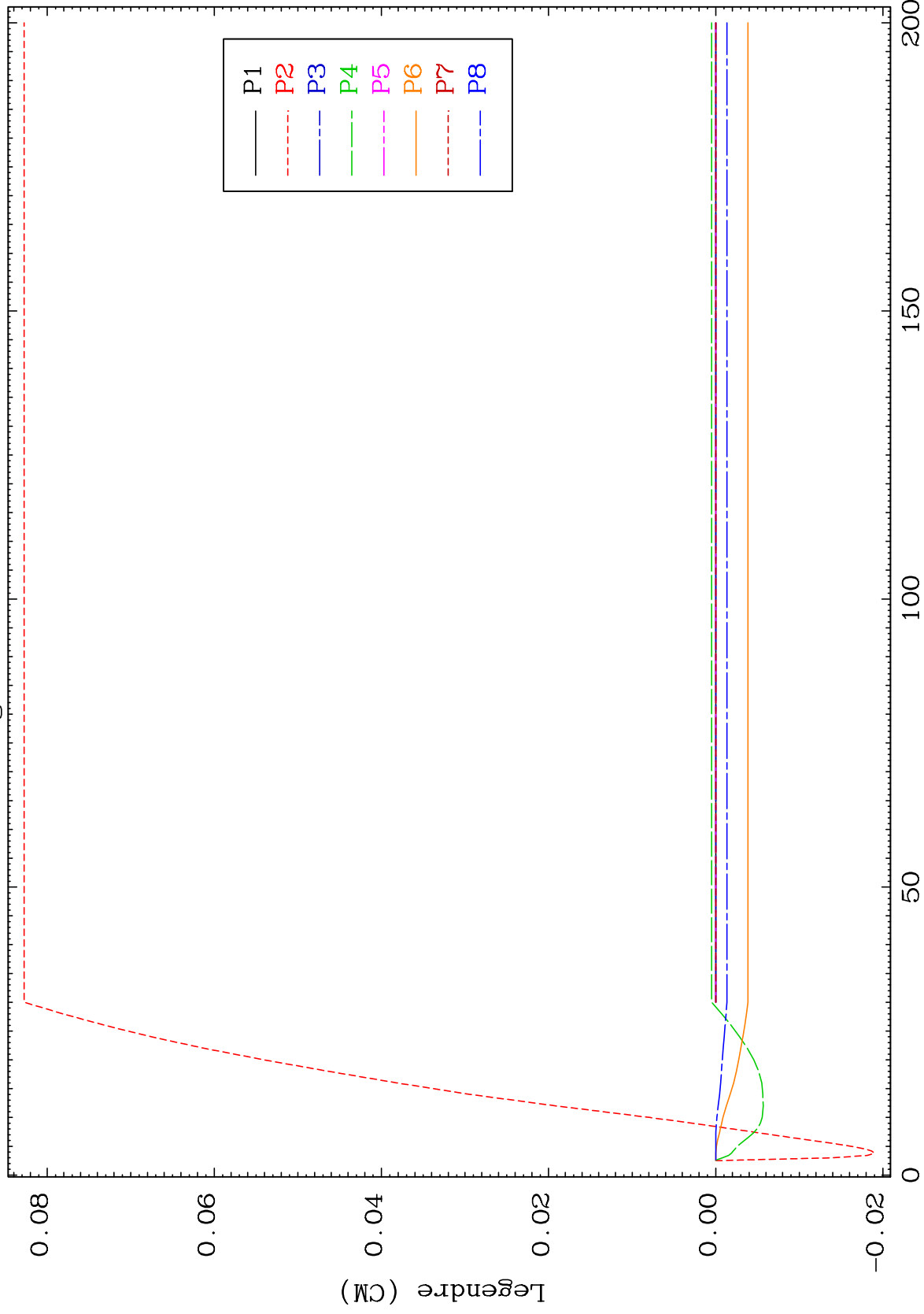
25-Mn-53



MAT 2519

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

25-Mn-53



36

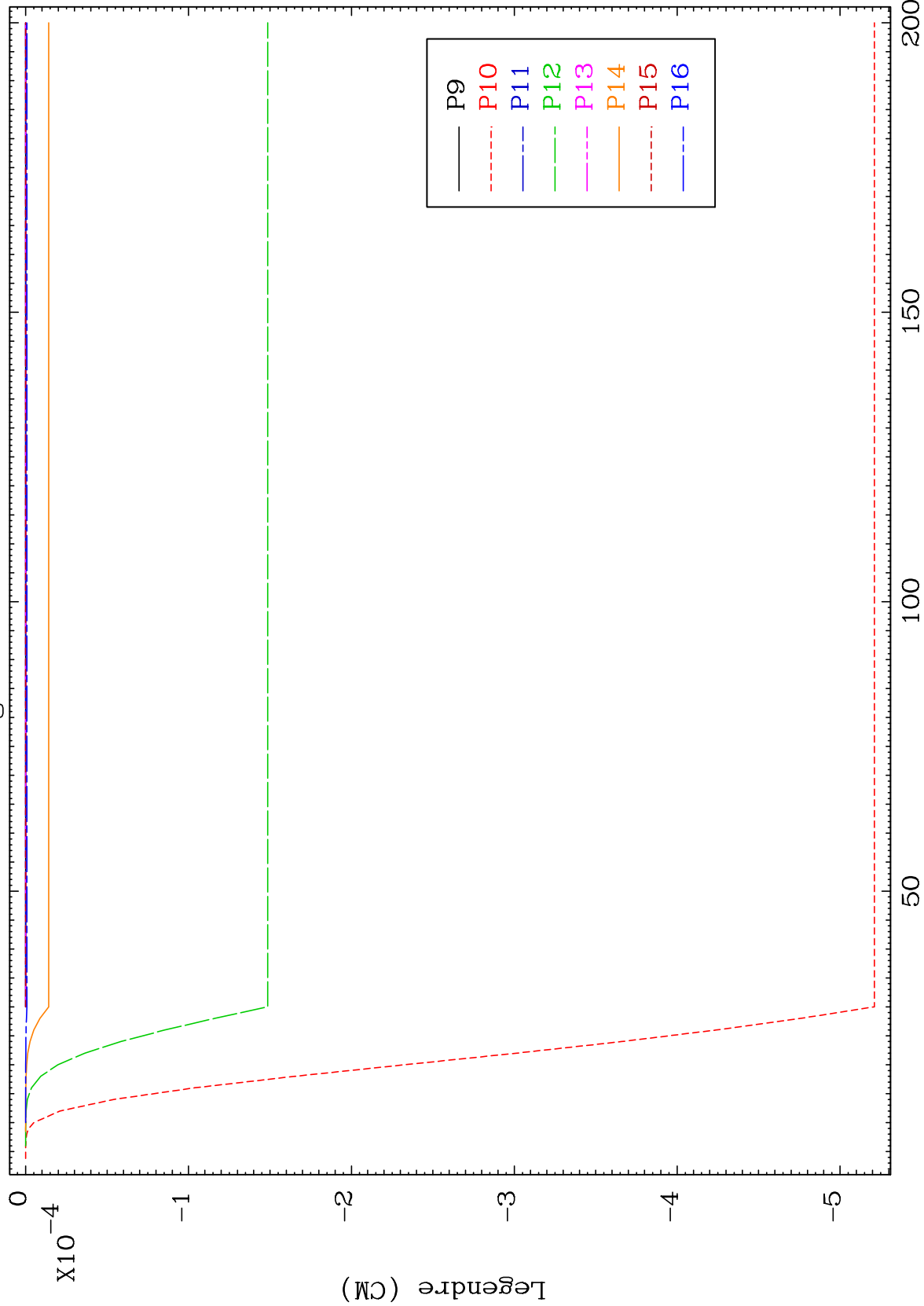
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

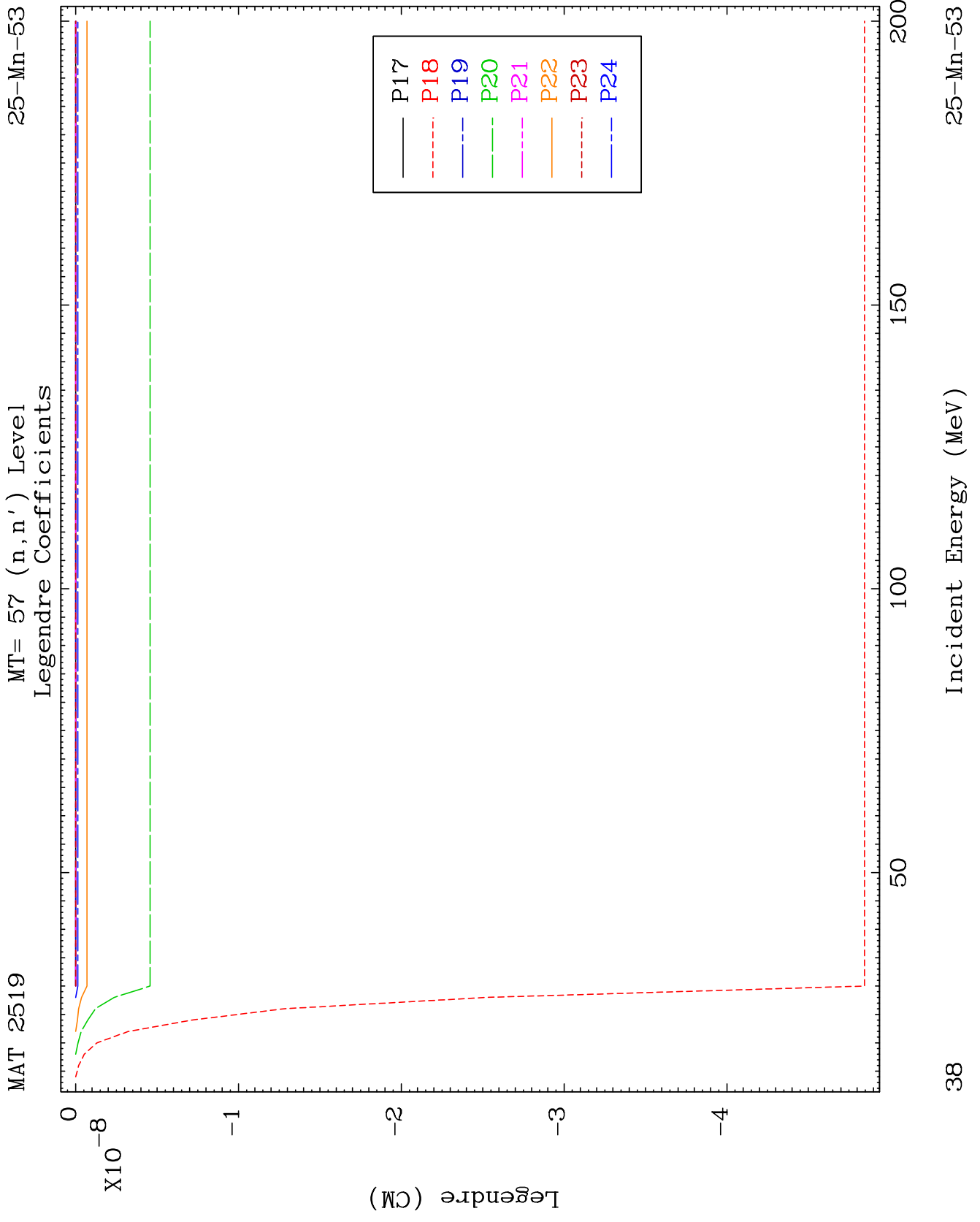
25-Mn-53



37

Incident Energy (MeV)

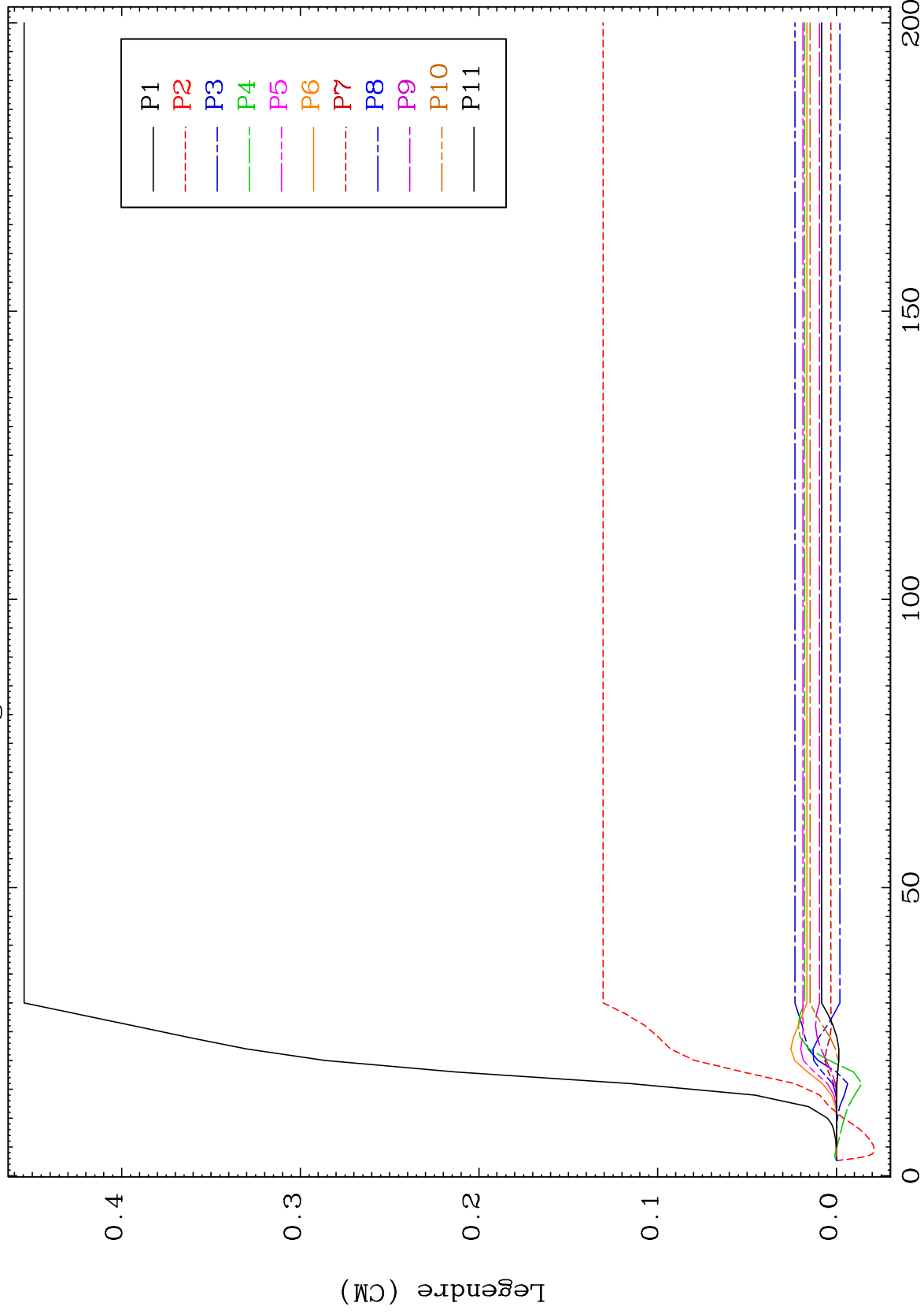
25-Mn-53



MAT 2519

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

25-Mn-53



39

Incident Energy (MeV)

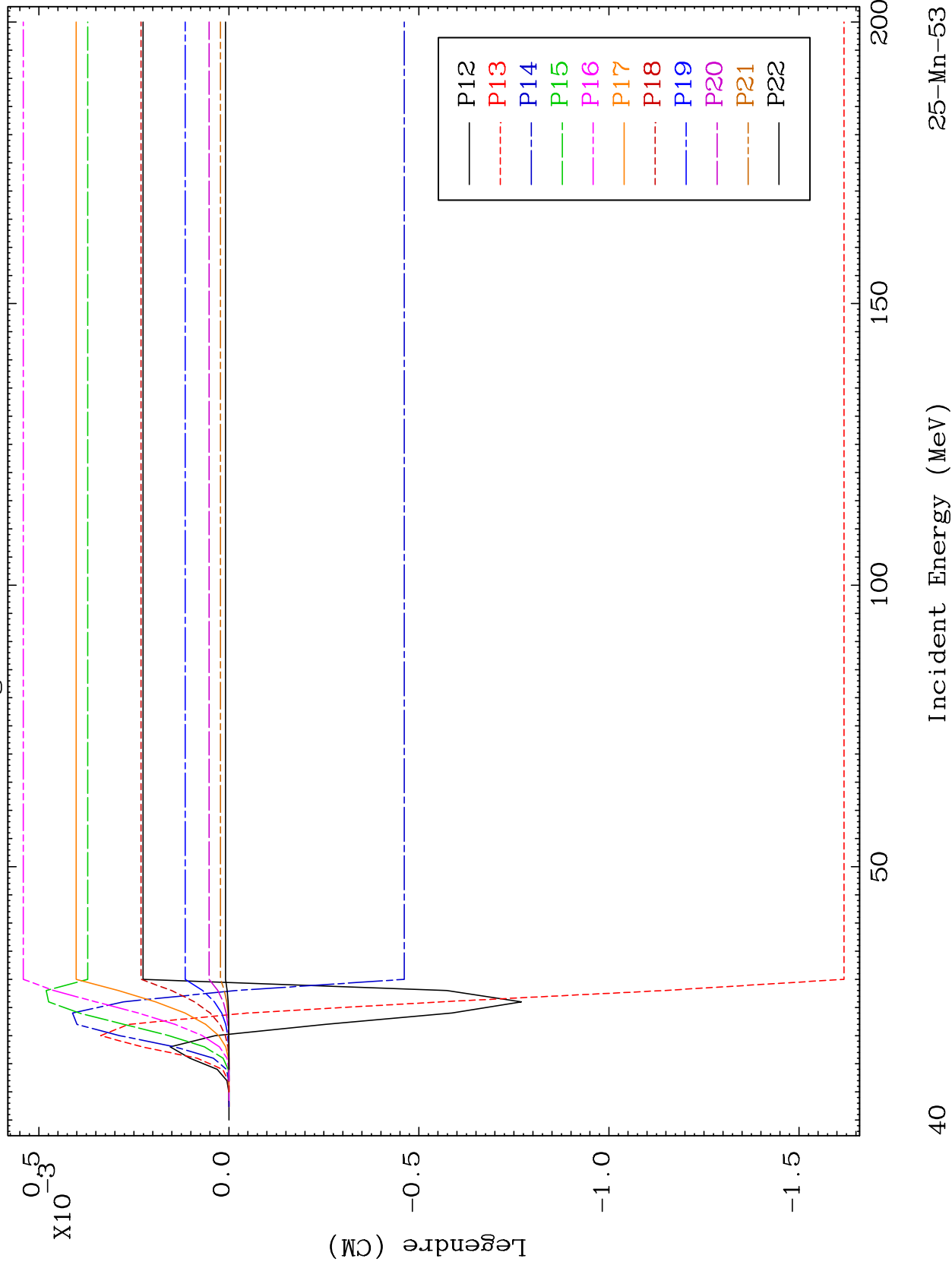
25-Mn-53



MAT 2519

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

25-Mn-53



40

Incident Energy (MeV)

50

100

150

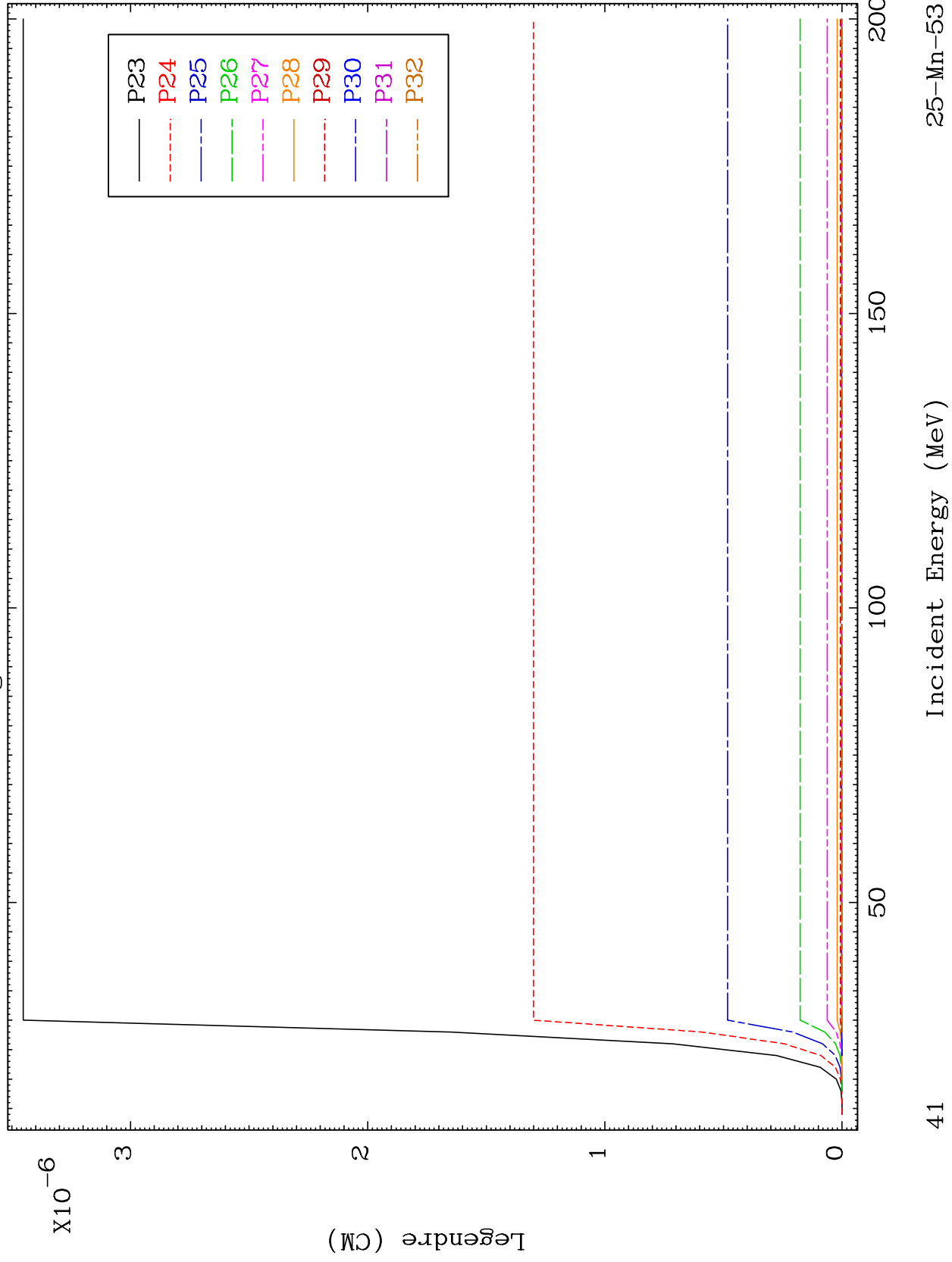
200

25-Mn-53

MAT 2519

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

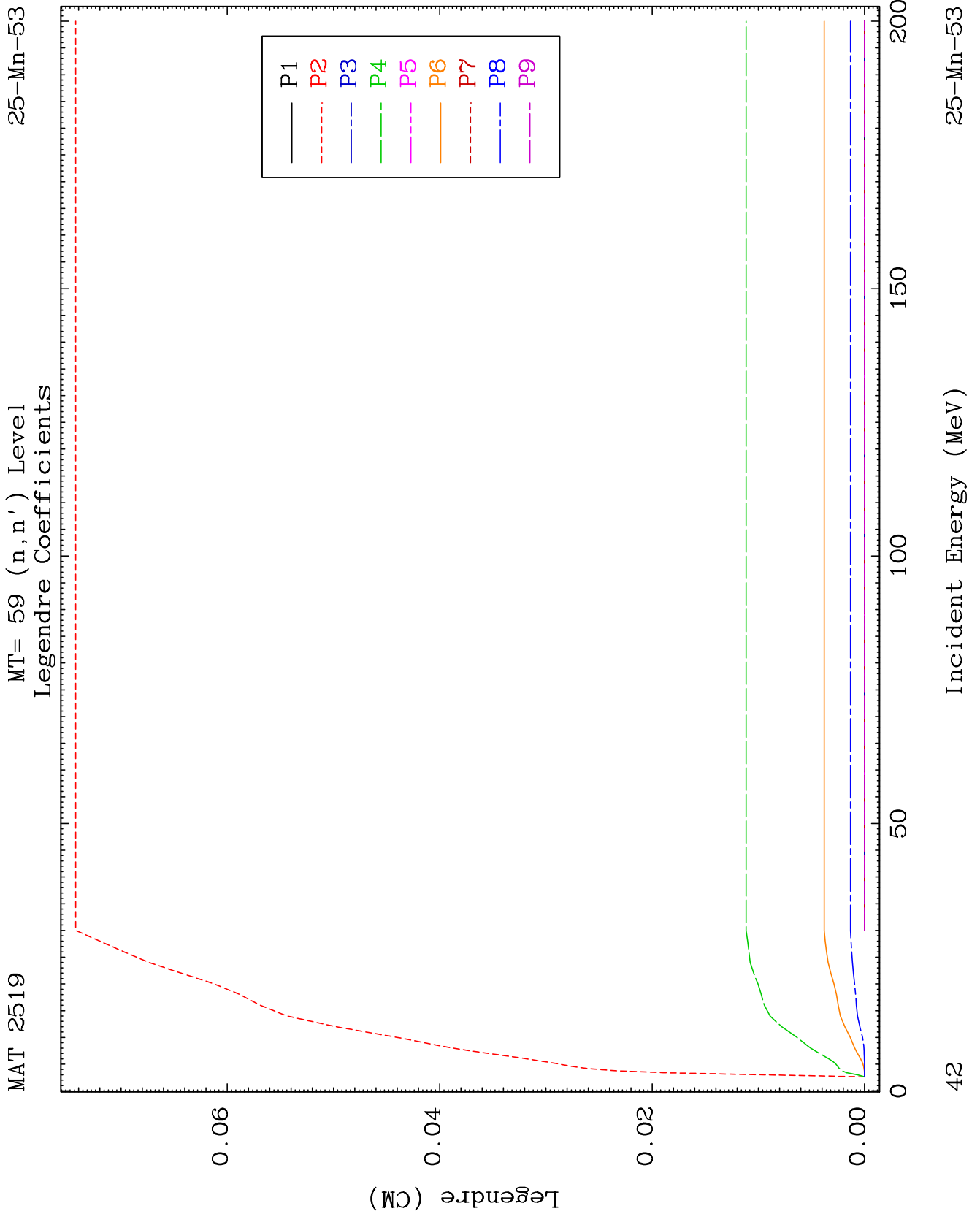
25-Mn-53



41

Incident Energy (MeV)

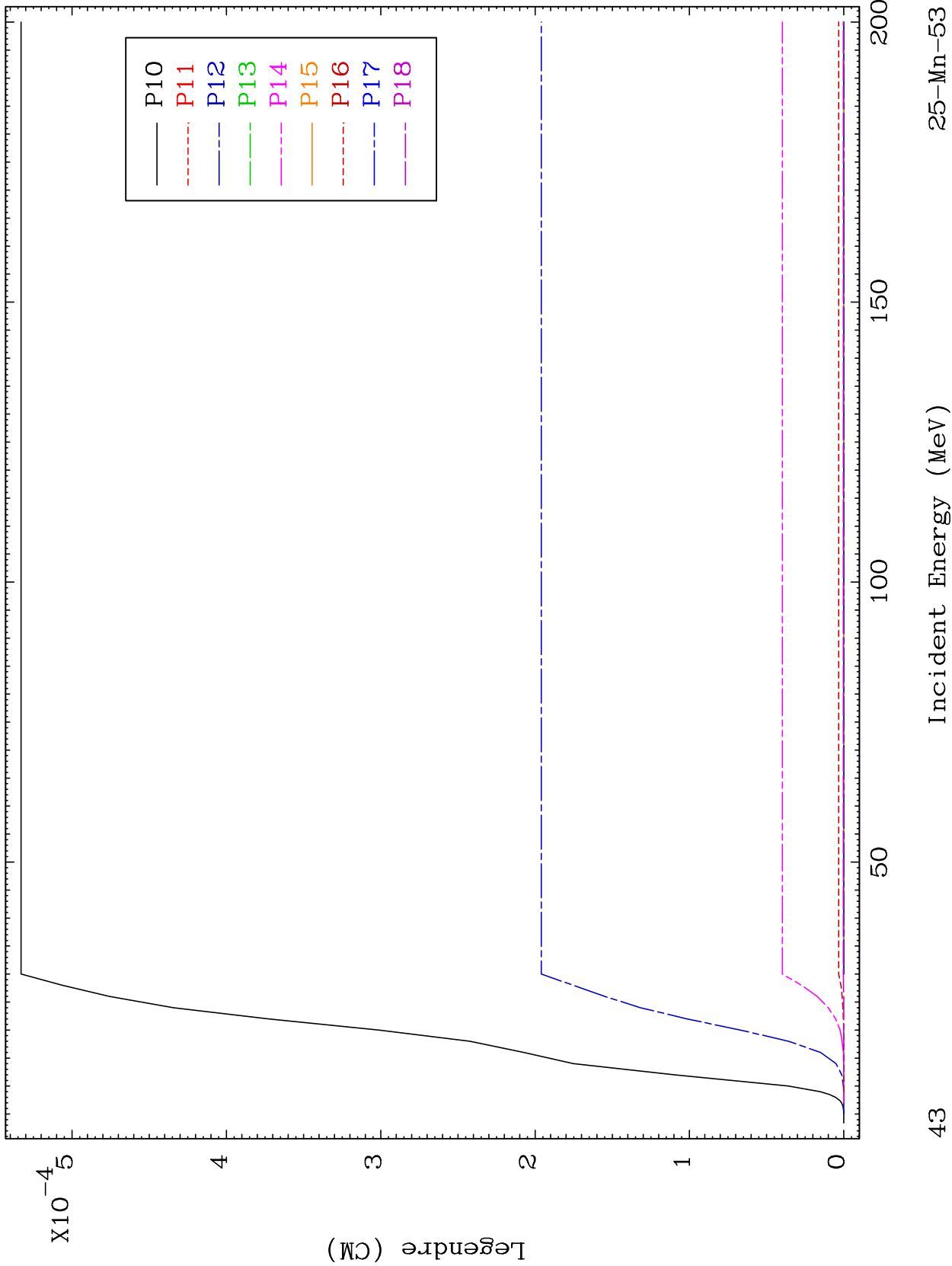
25-Mn-53

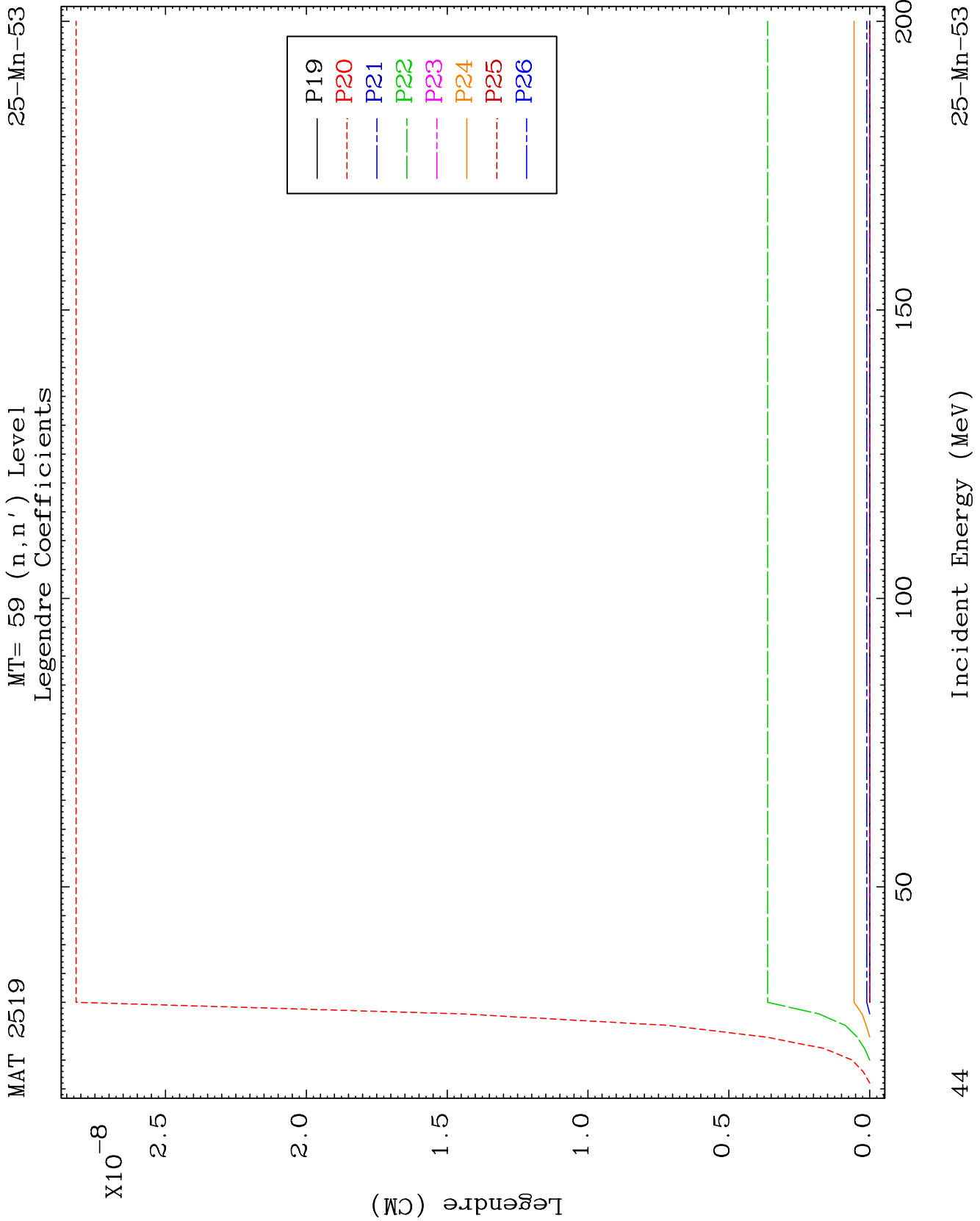


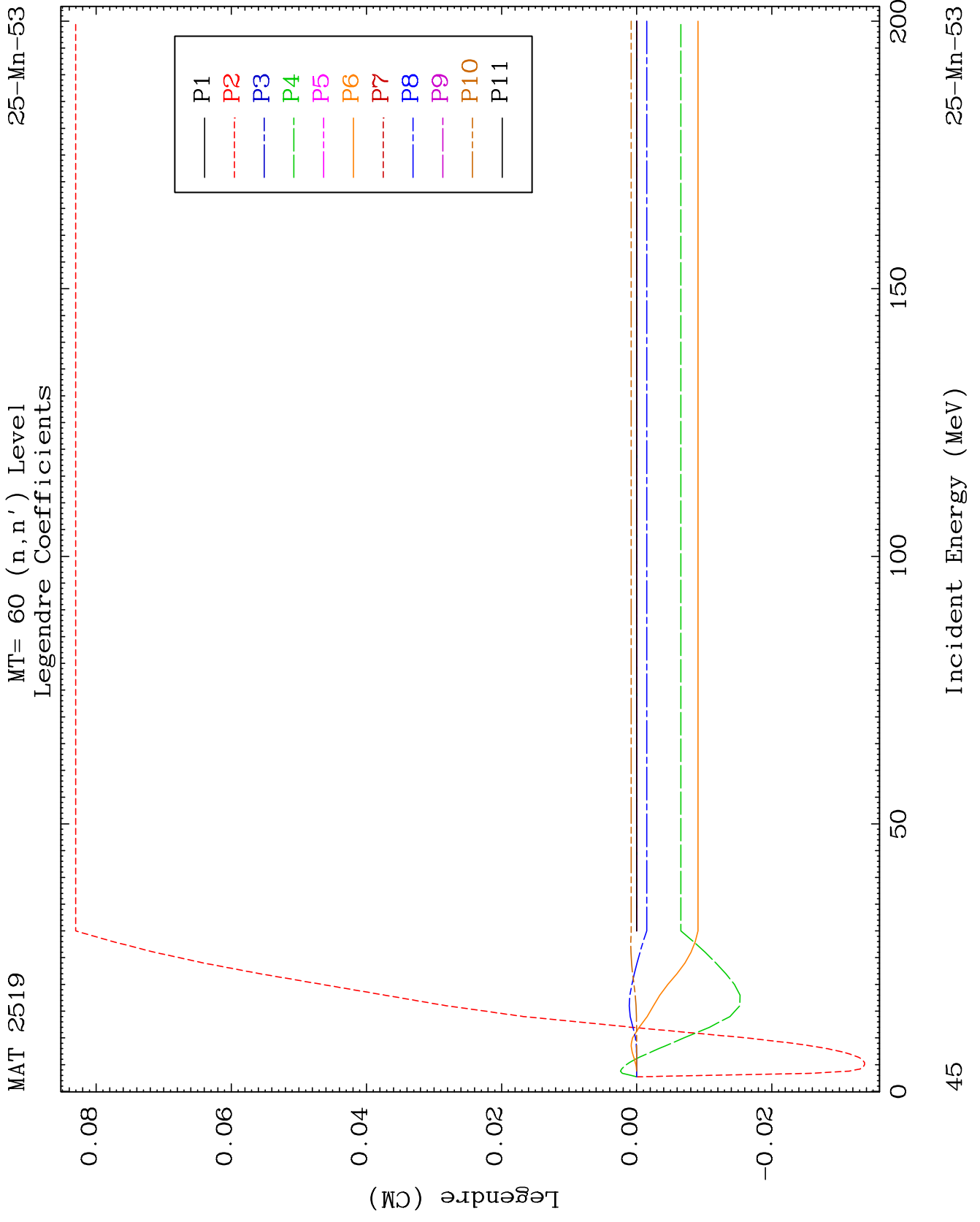
MAT 2519

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

25-Mn-53



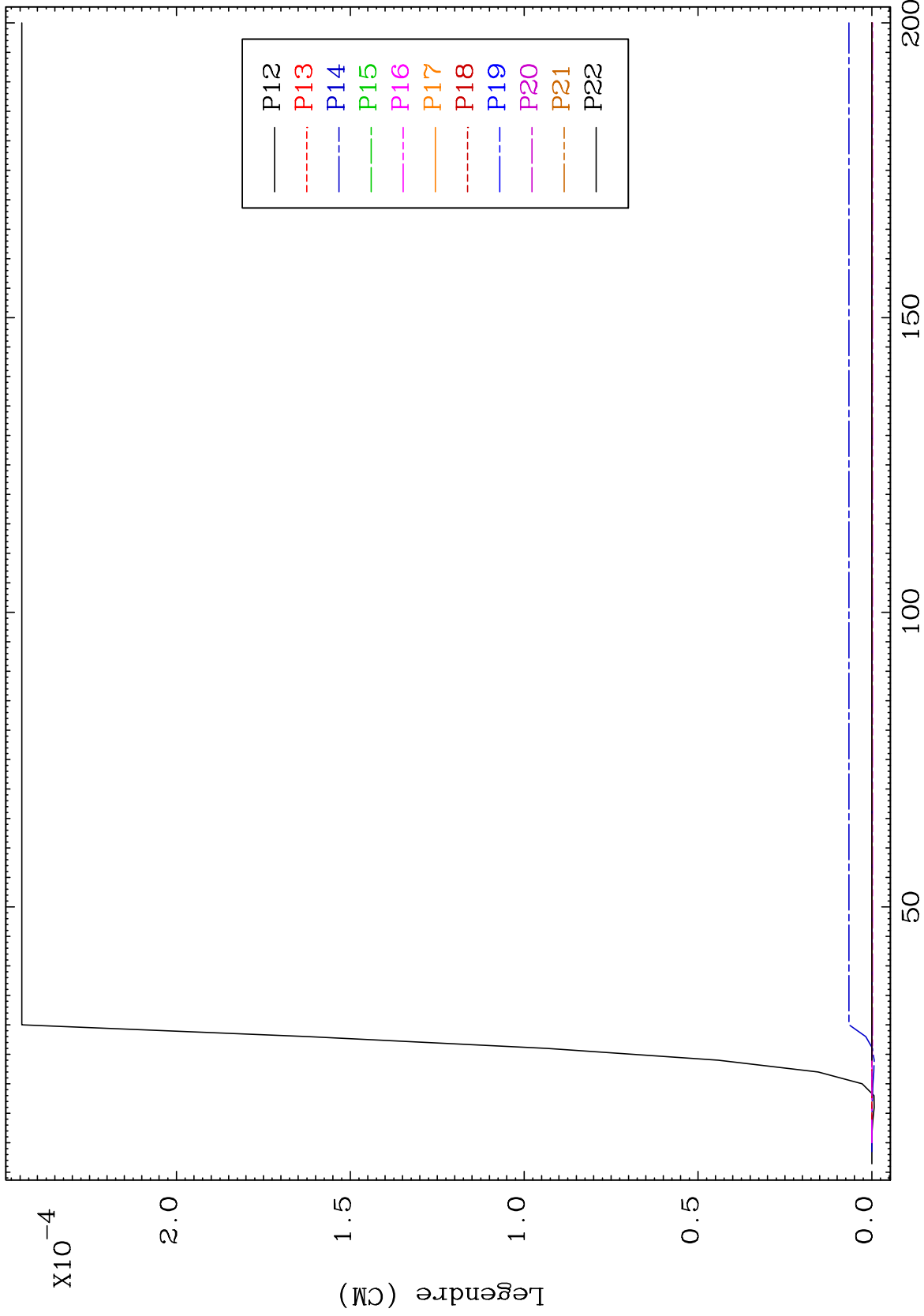




MAT 2519

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

25-Mn-53



46

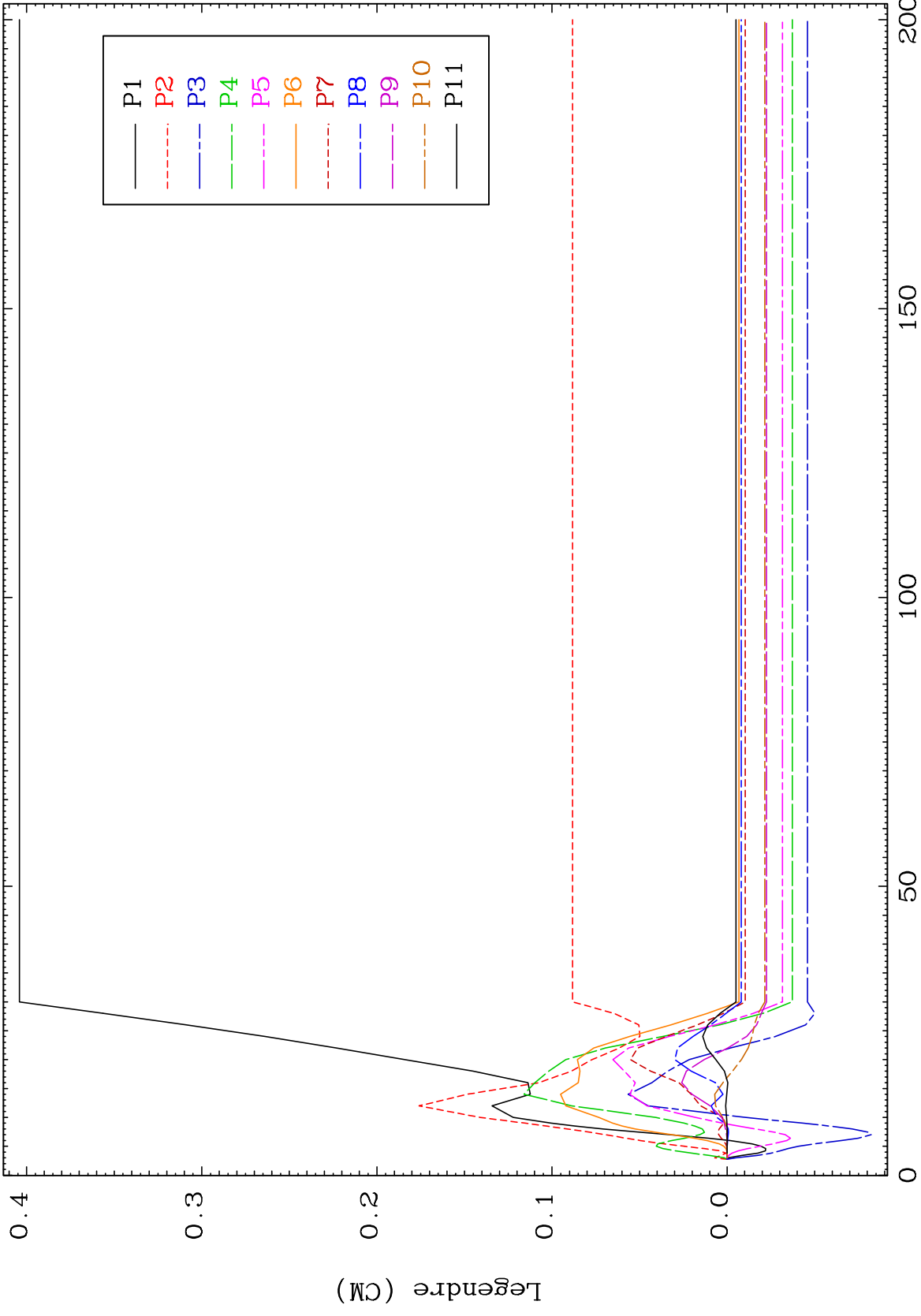
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



47

Incident Energy (MeV)

25-Mn-53

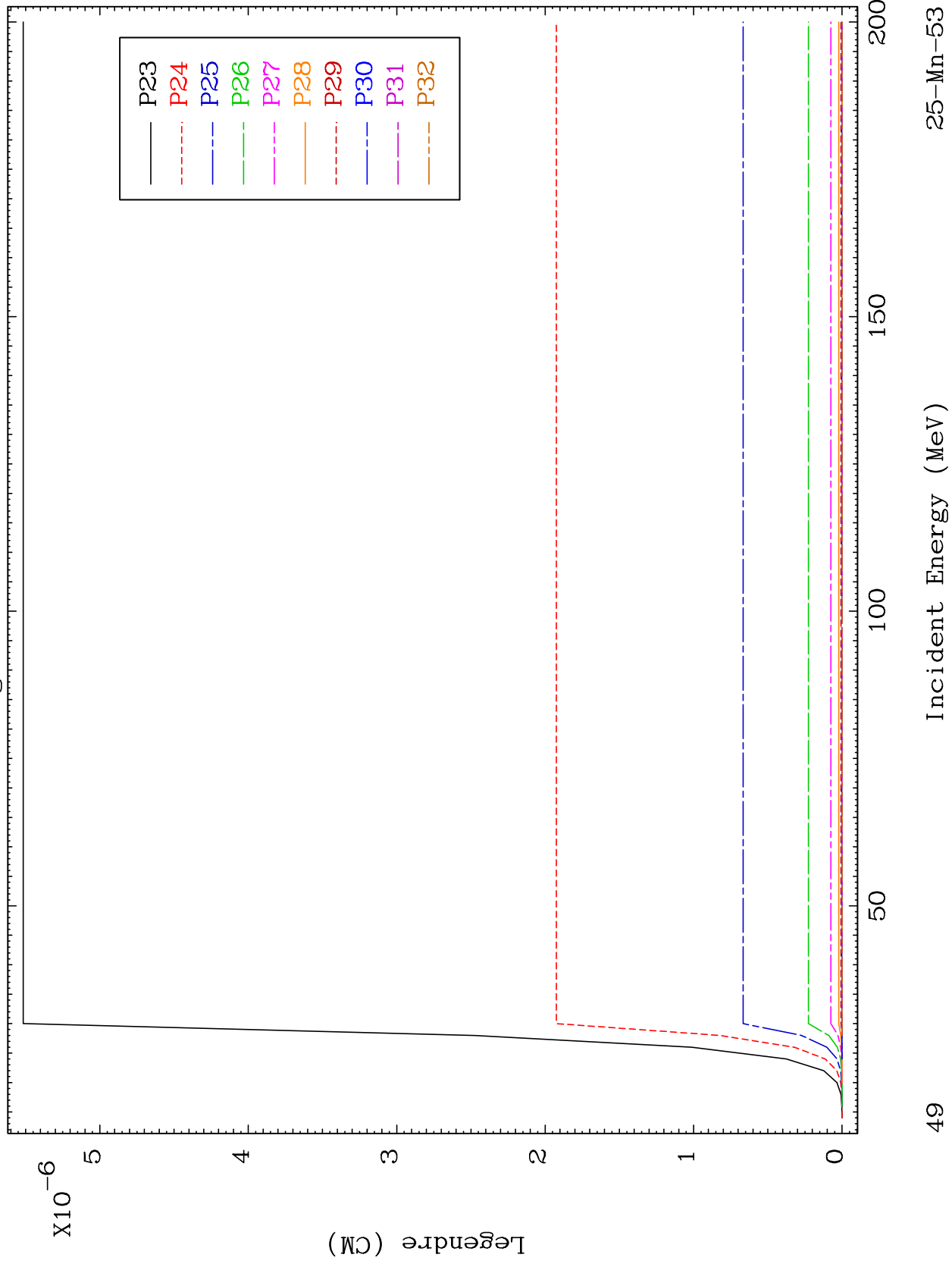




MAT 2519

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

25-Mn-53



49

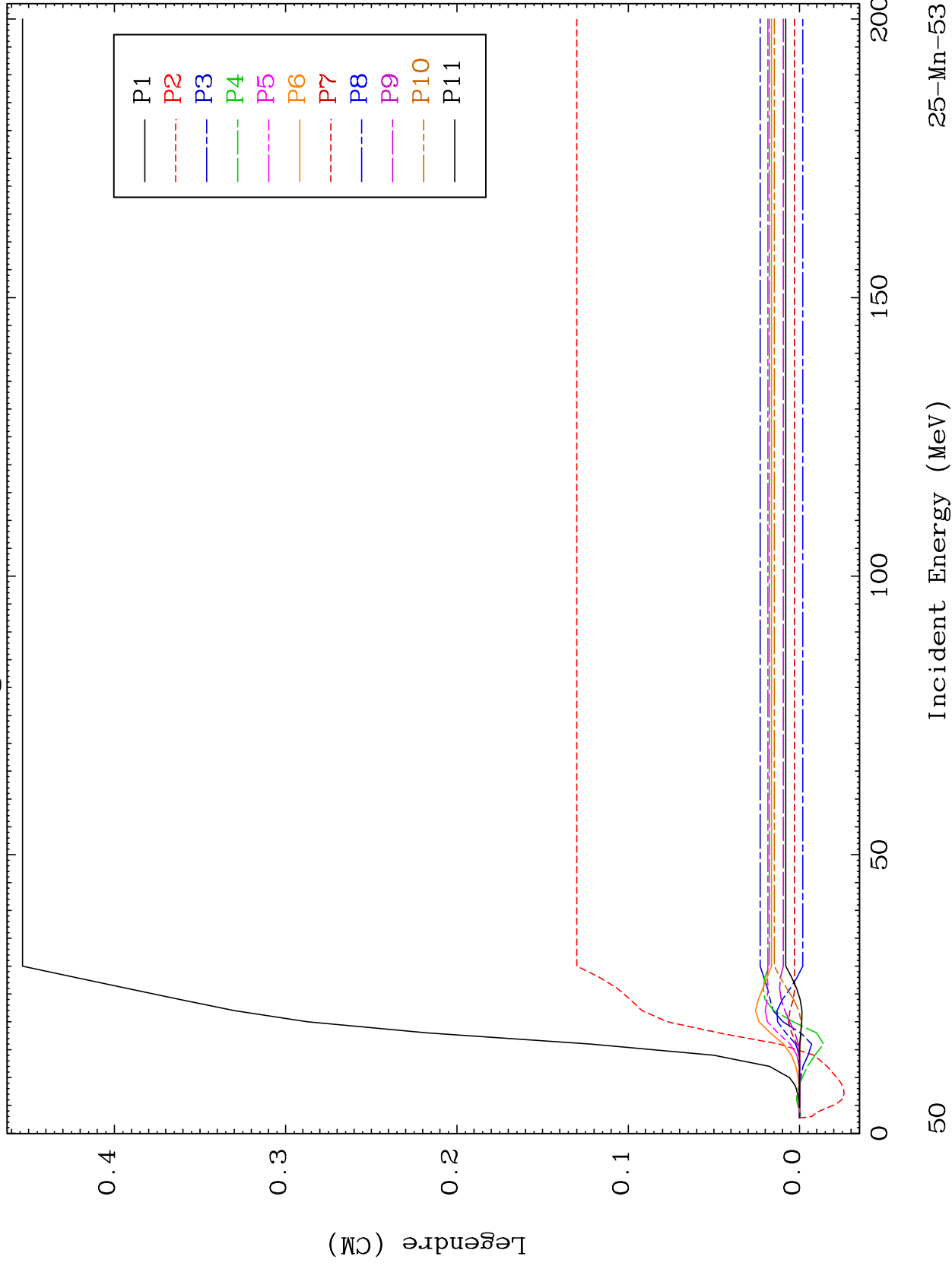
Incident Energy (MeV)

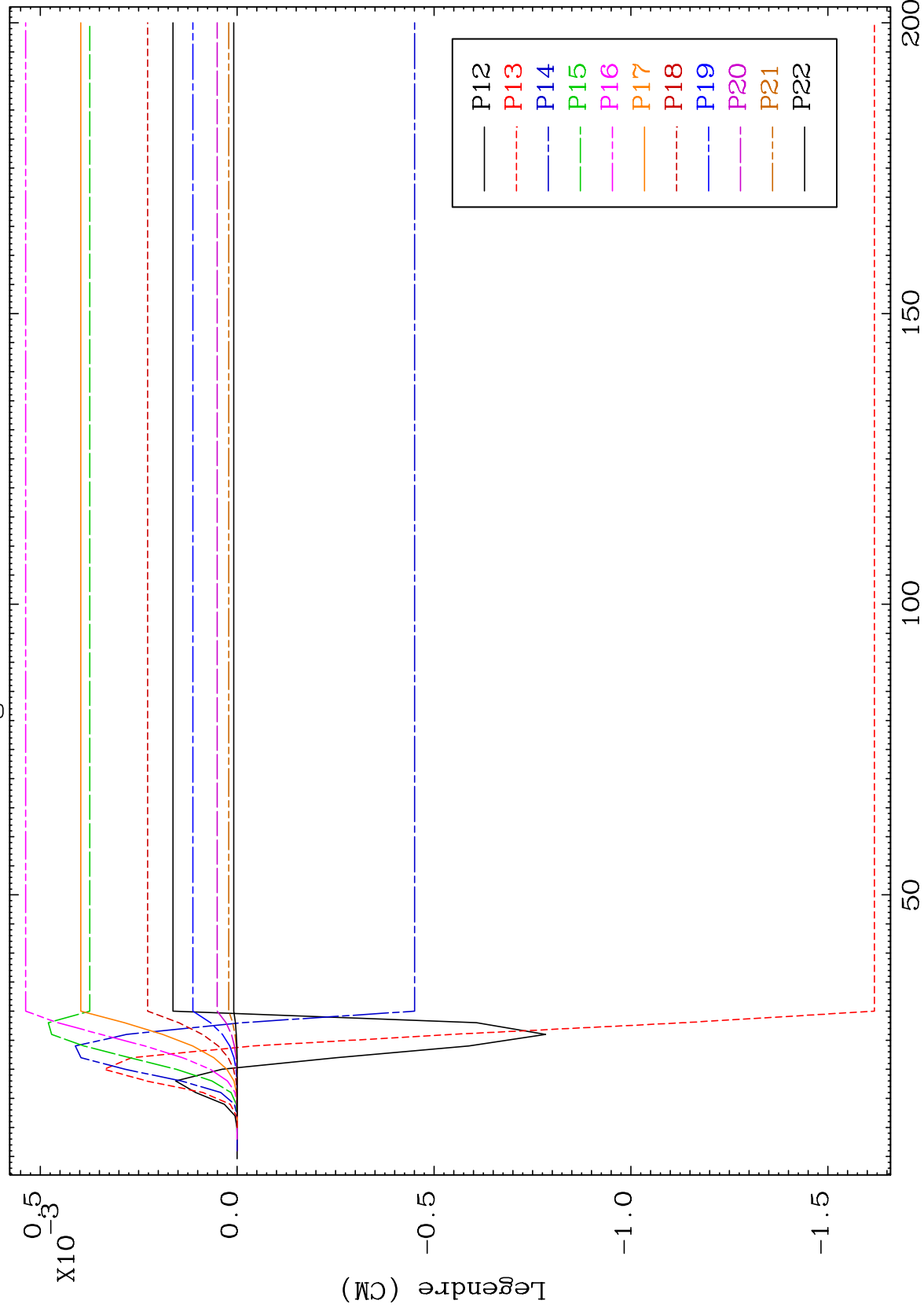
25-Mn-53

MAT 2519

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

25-Mn-53

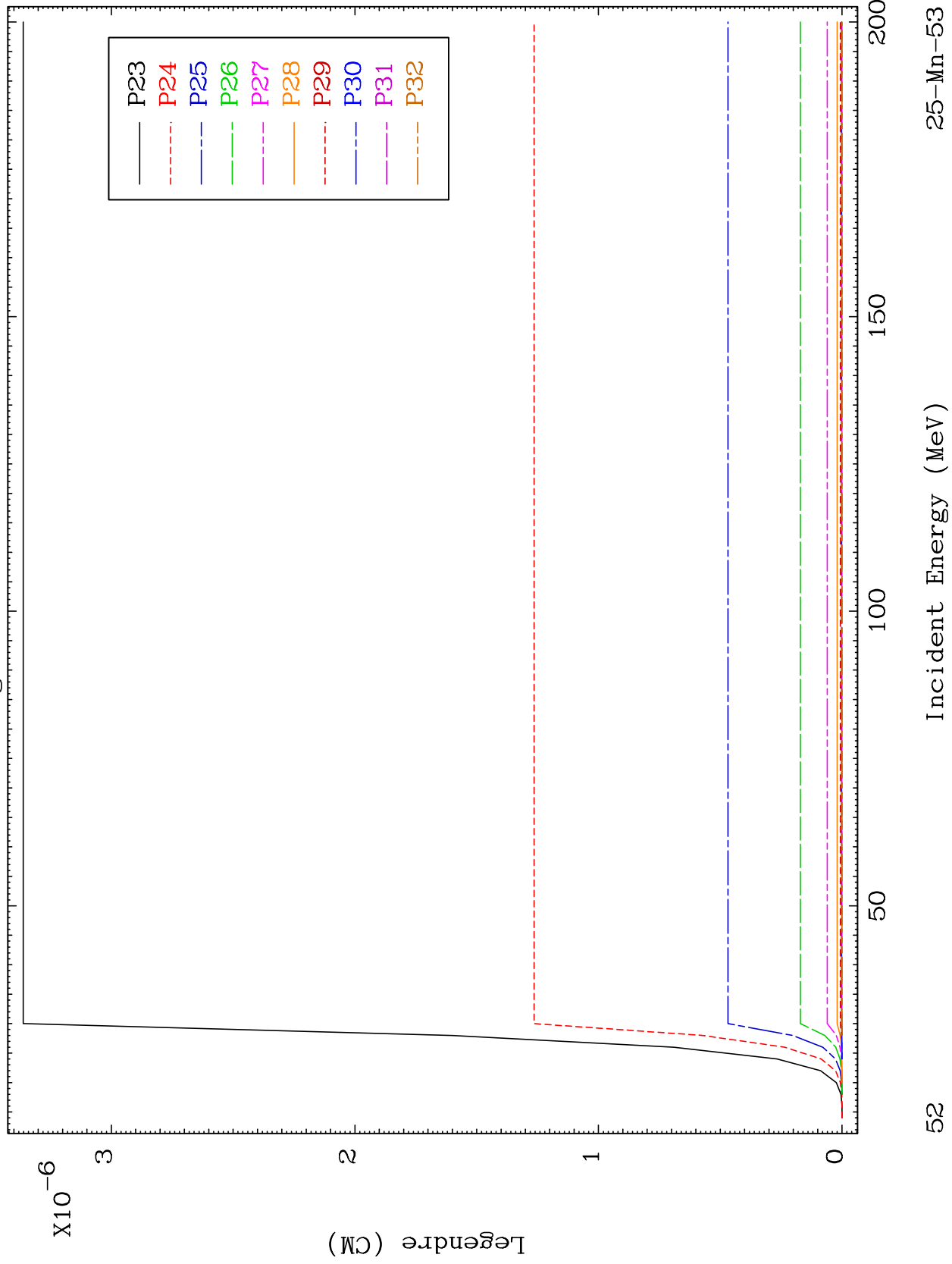




MAT 2519

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

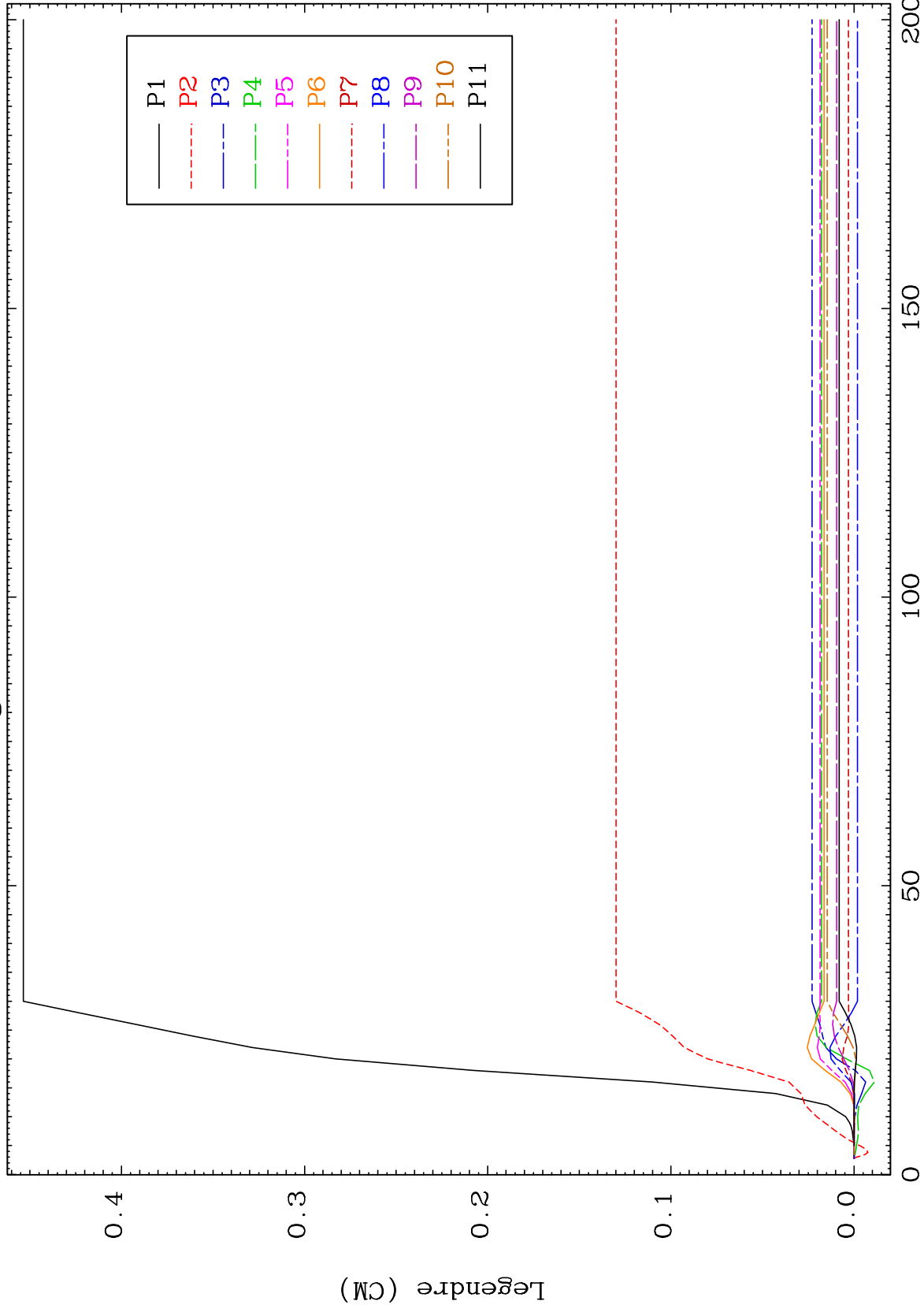
25-Mn-53



MAT 2519

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

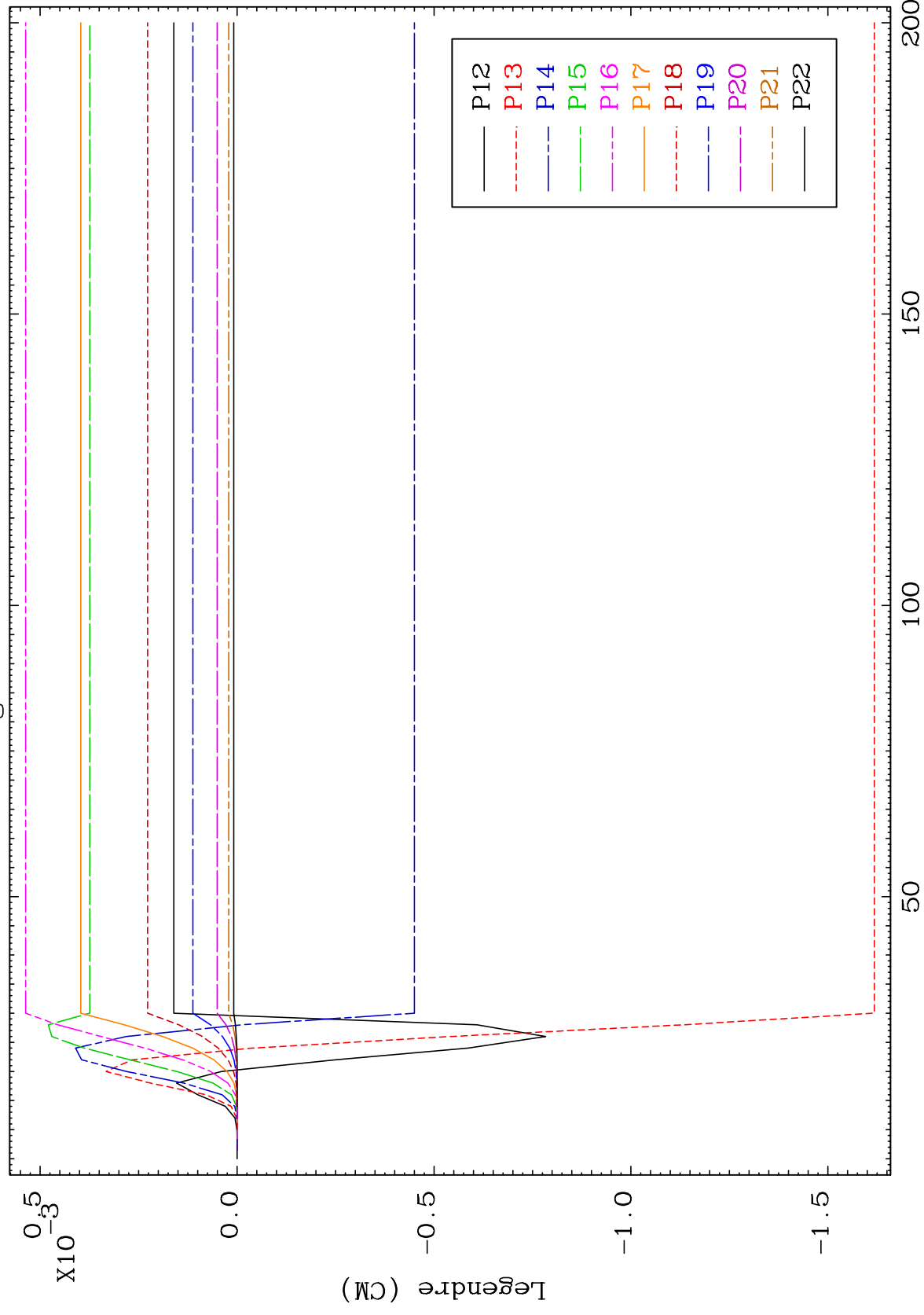
25-Mn-53



53

Incident Energy (MeV)

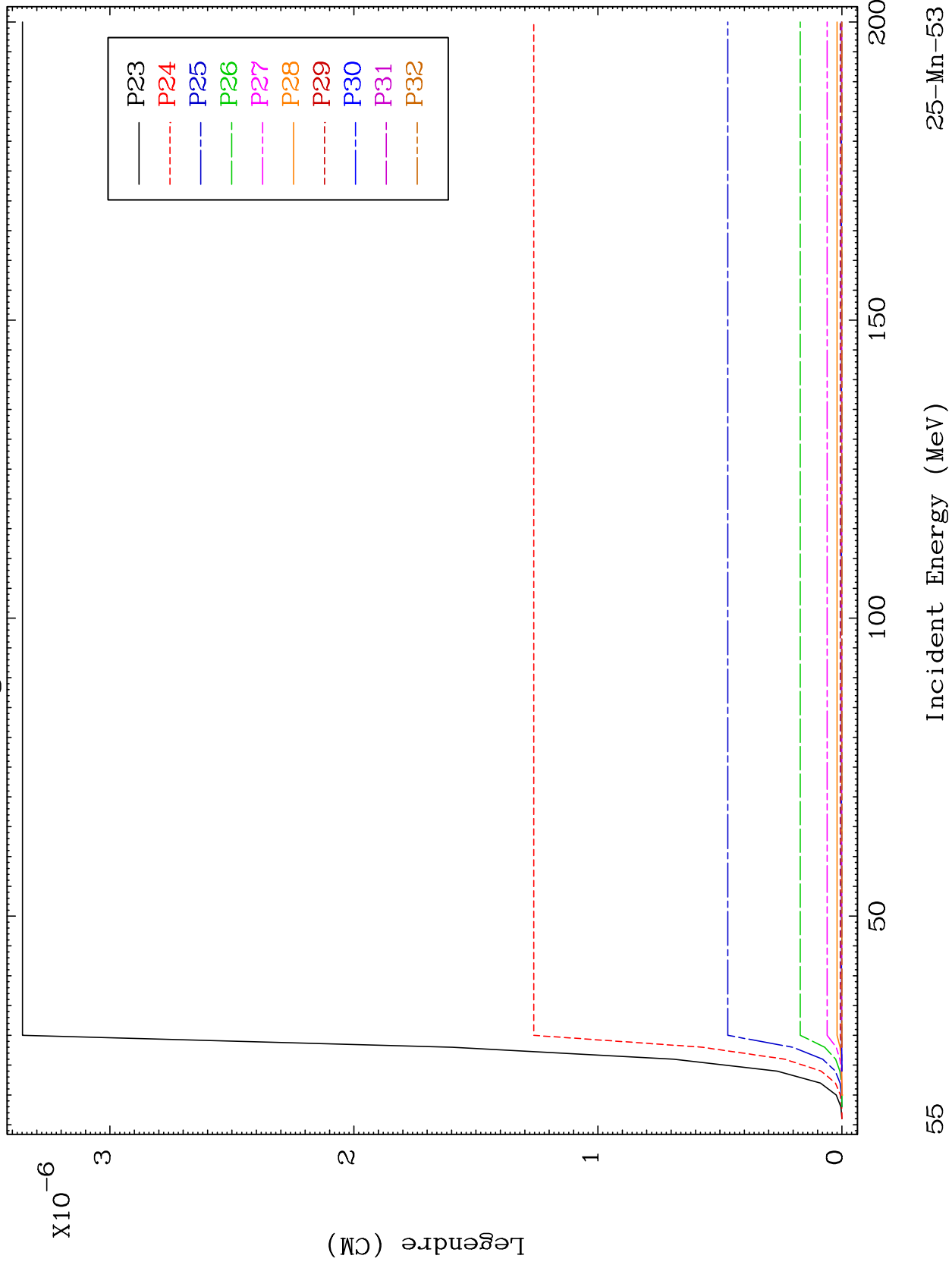
25-Mn-53



MAT 2519

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

25-Mn-53

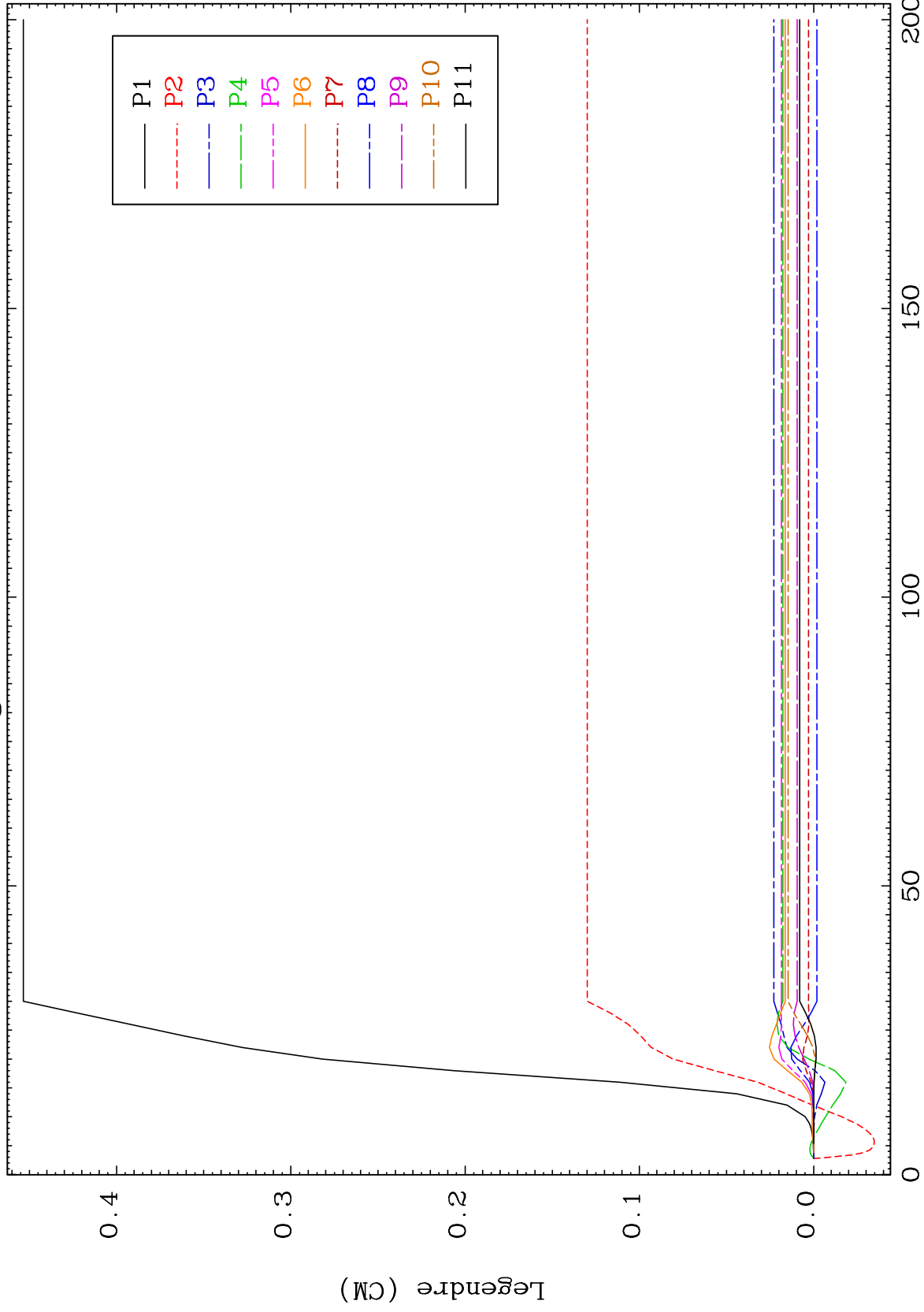




MAT 2519

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

25-Mn-53



56

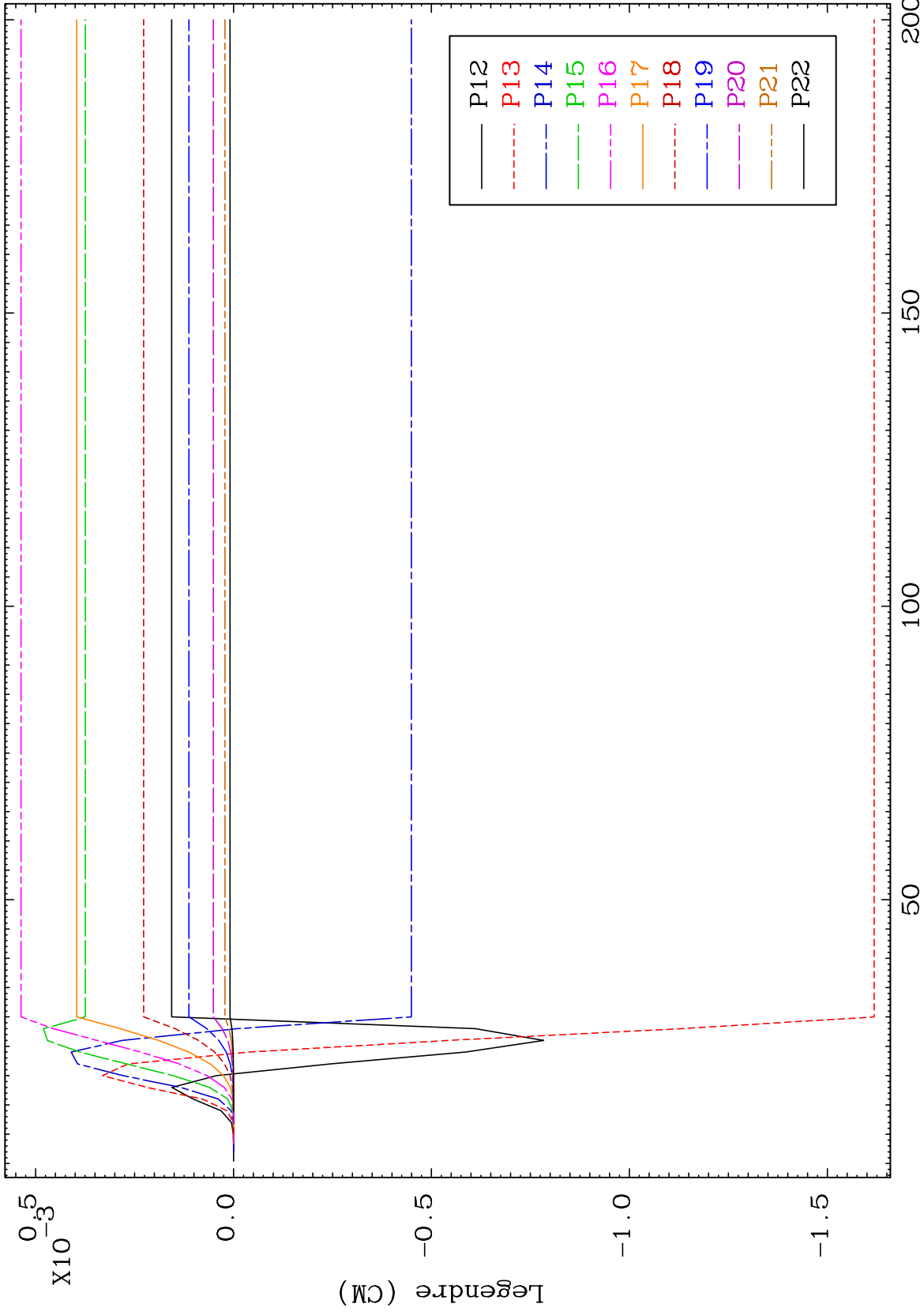
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



57

Incident Energy (MeV)

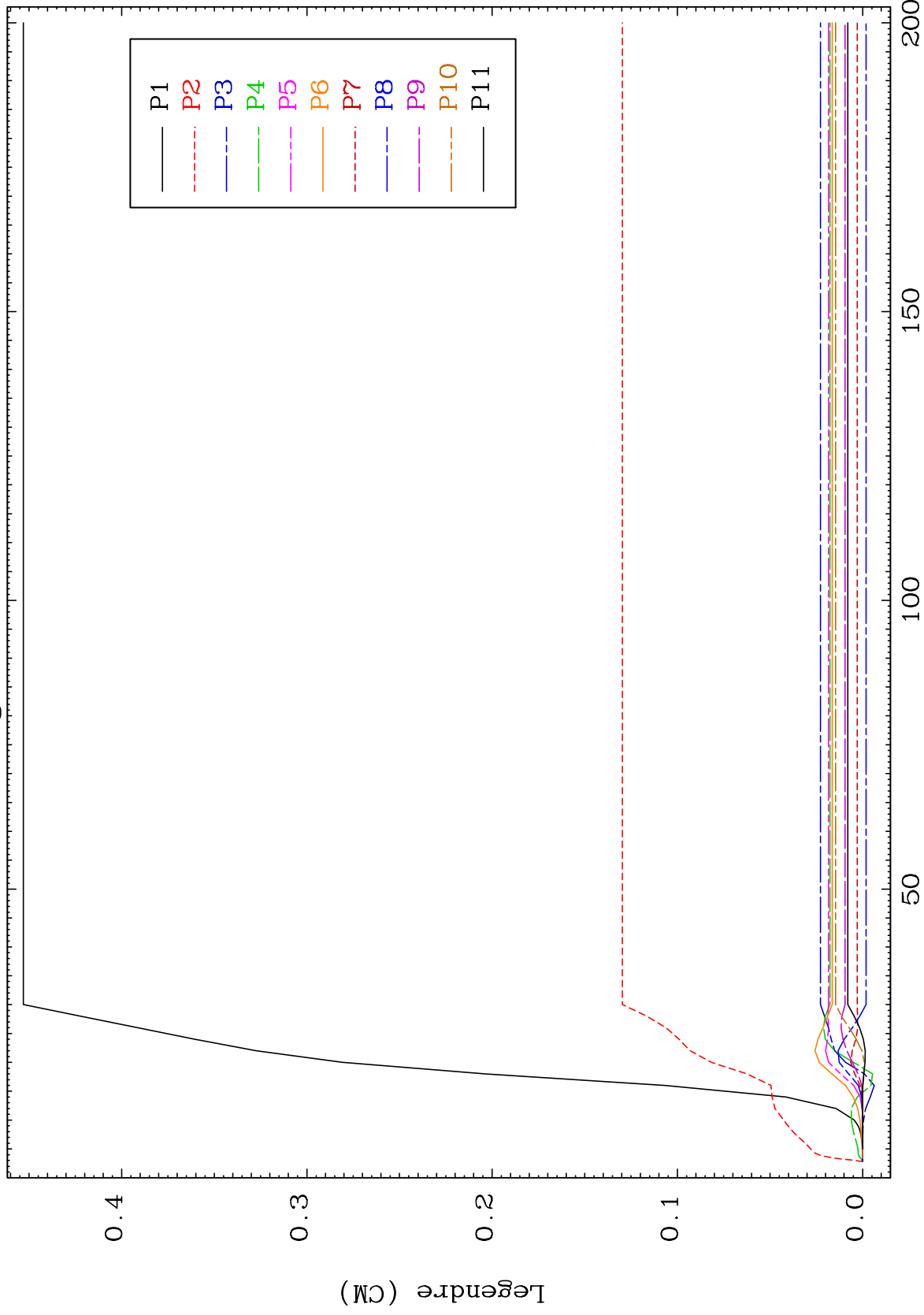
25-Mn-53



MAT 2519

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

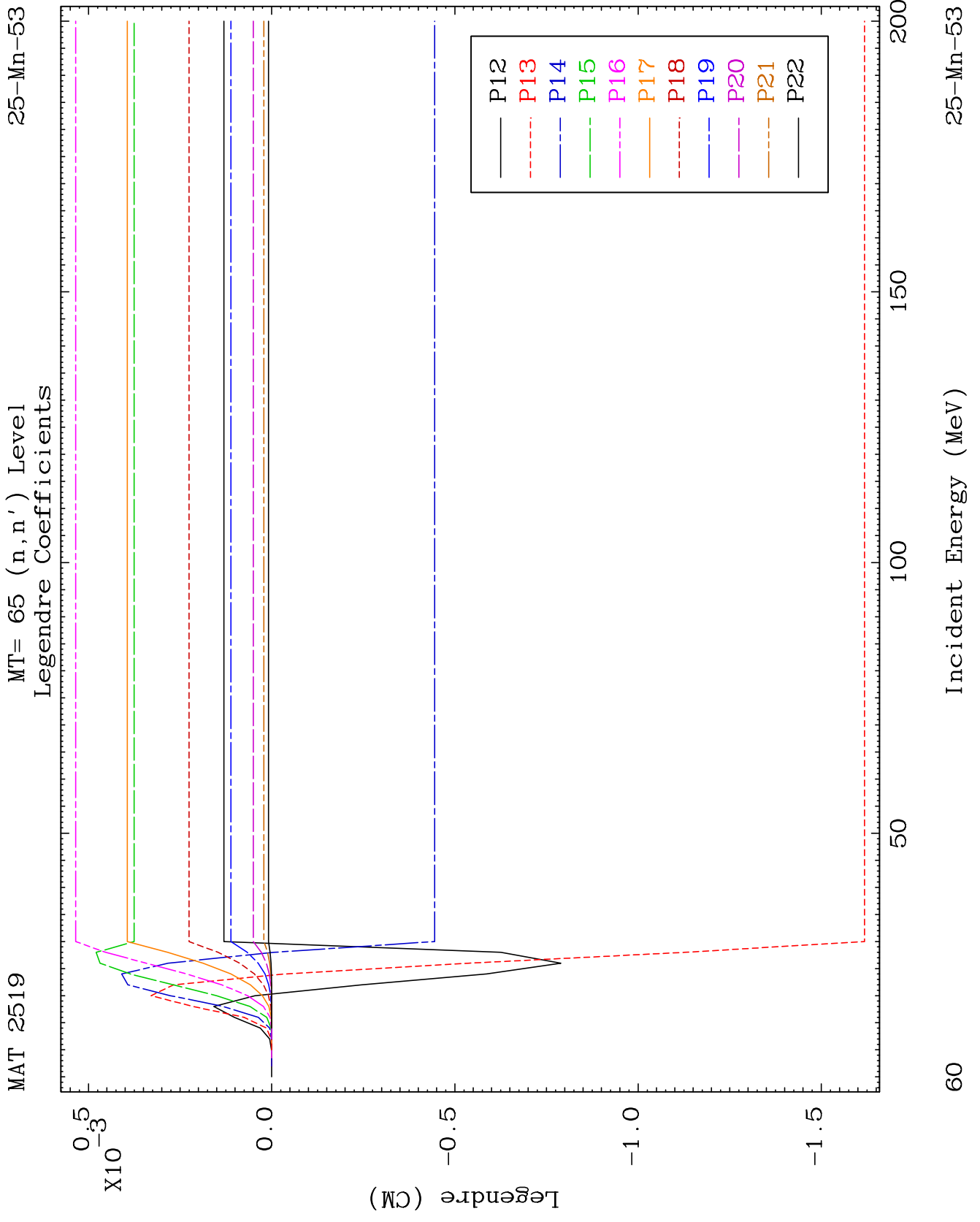
25-Mn-53



59

Incident Energy (MeV)

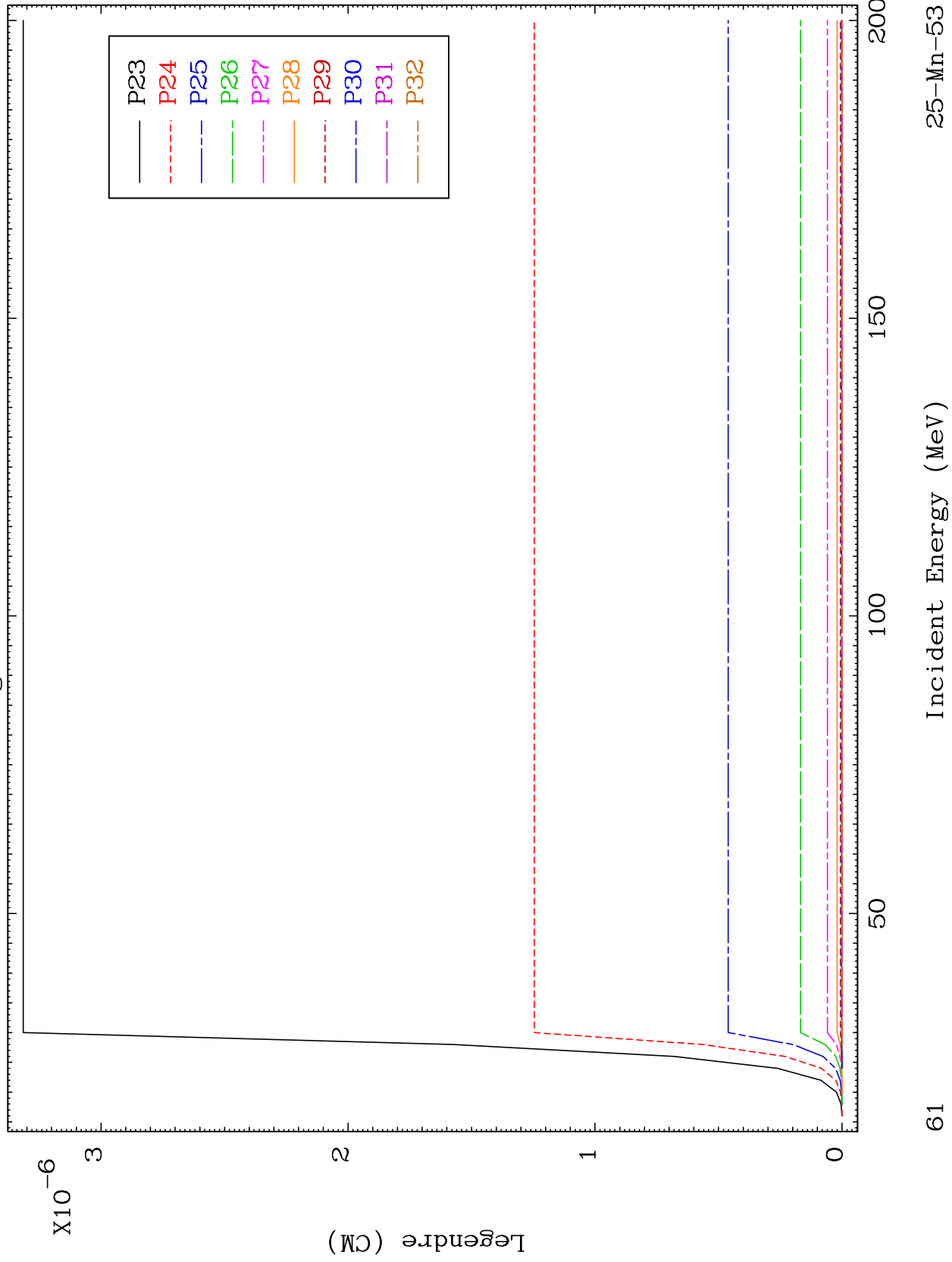
25-Mn-53



MAT 2519

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

25-Mn-53



61

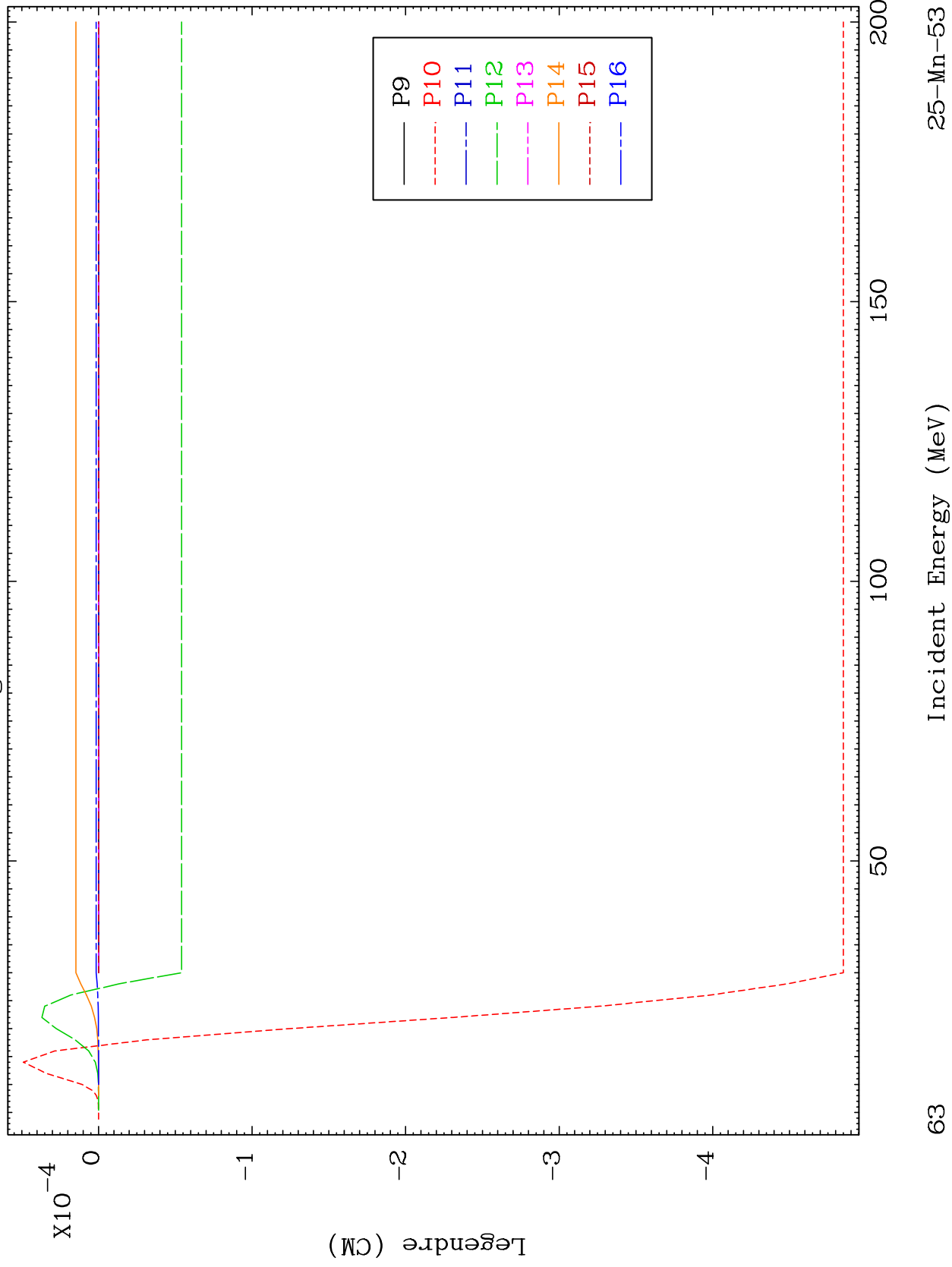
25-Mn-53



MAT 2519

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

25-Mn-53



63

25-Mn-53

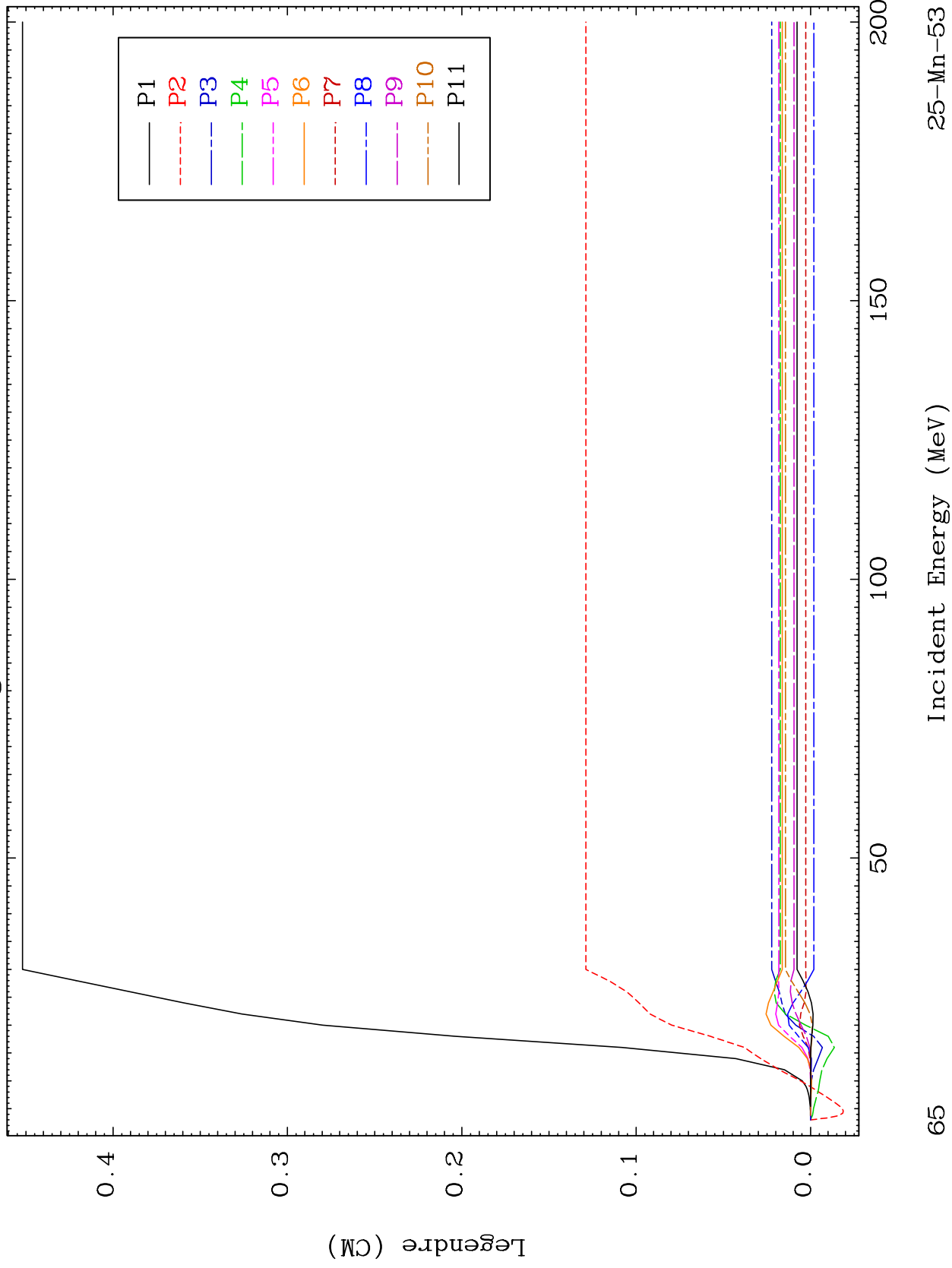




MAT 2519

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

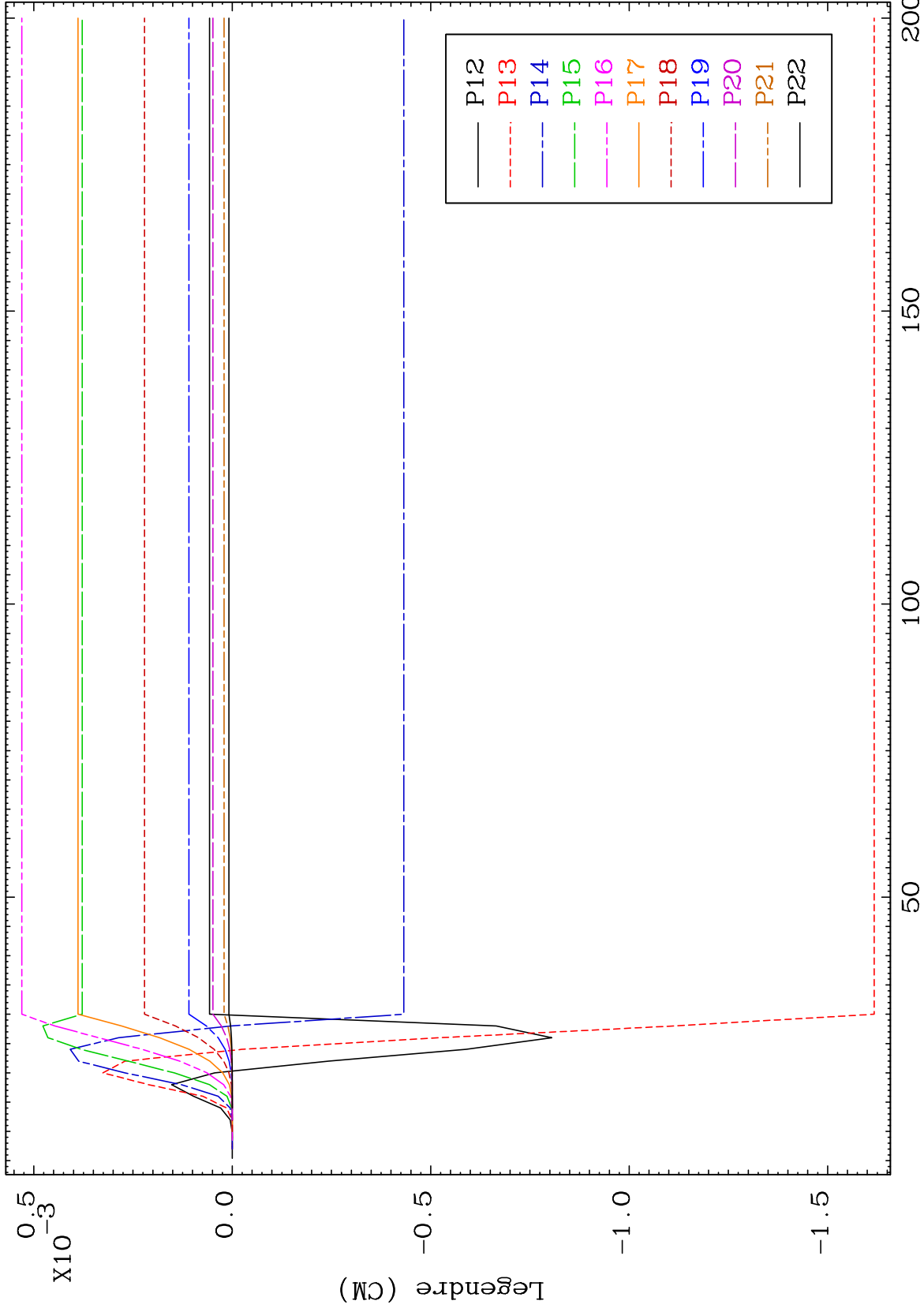
25-Mn-53



65

Incident Energy (MeV)

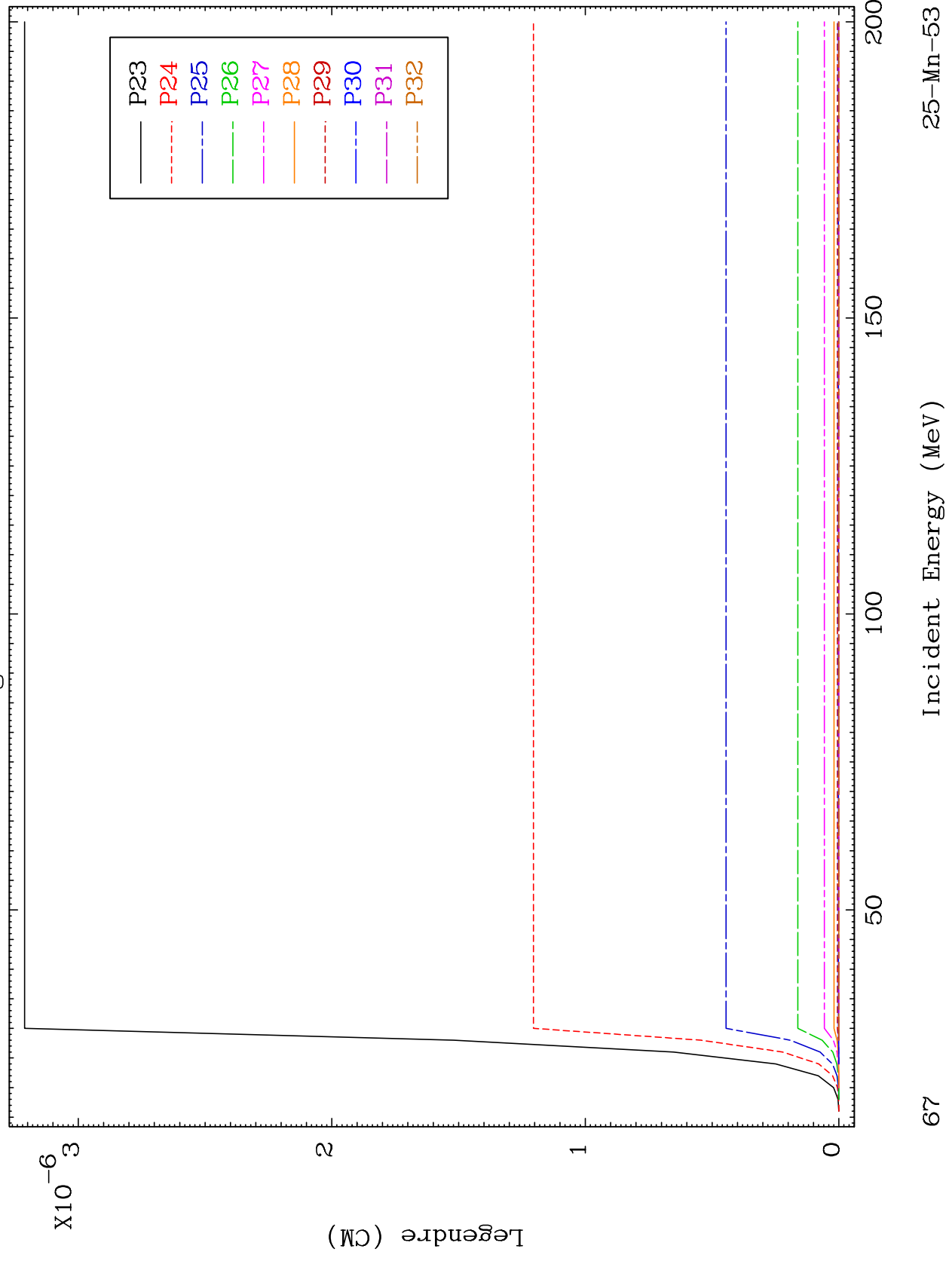
25-Mn-53



MAT 2519

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

25-Mn-53



67

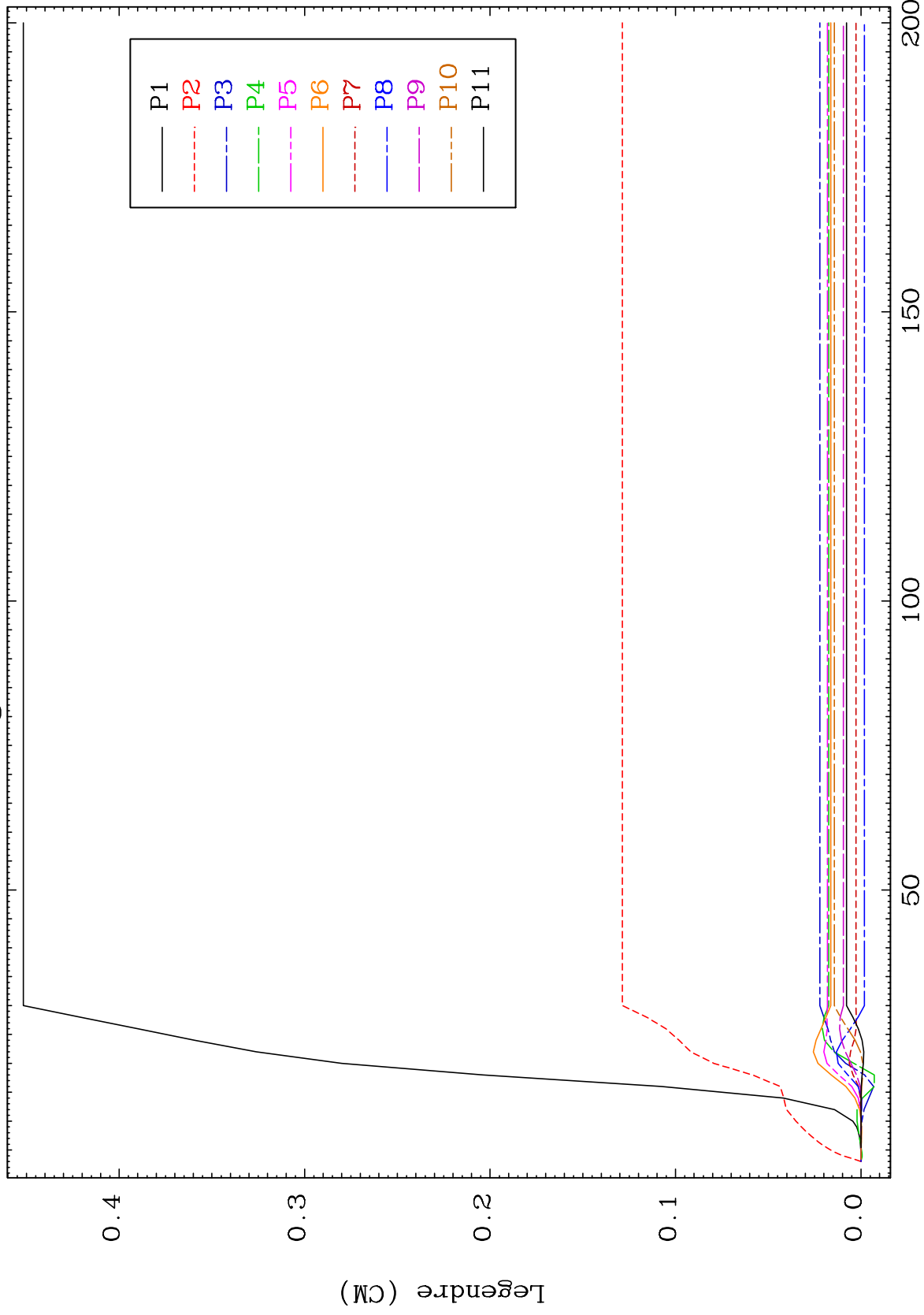
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



68

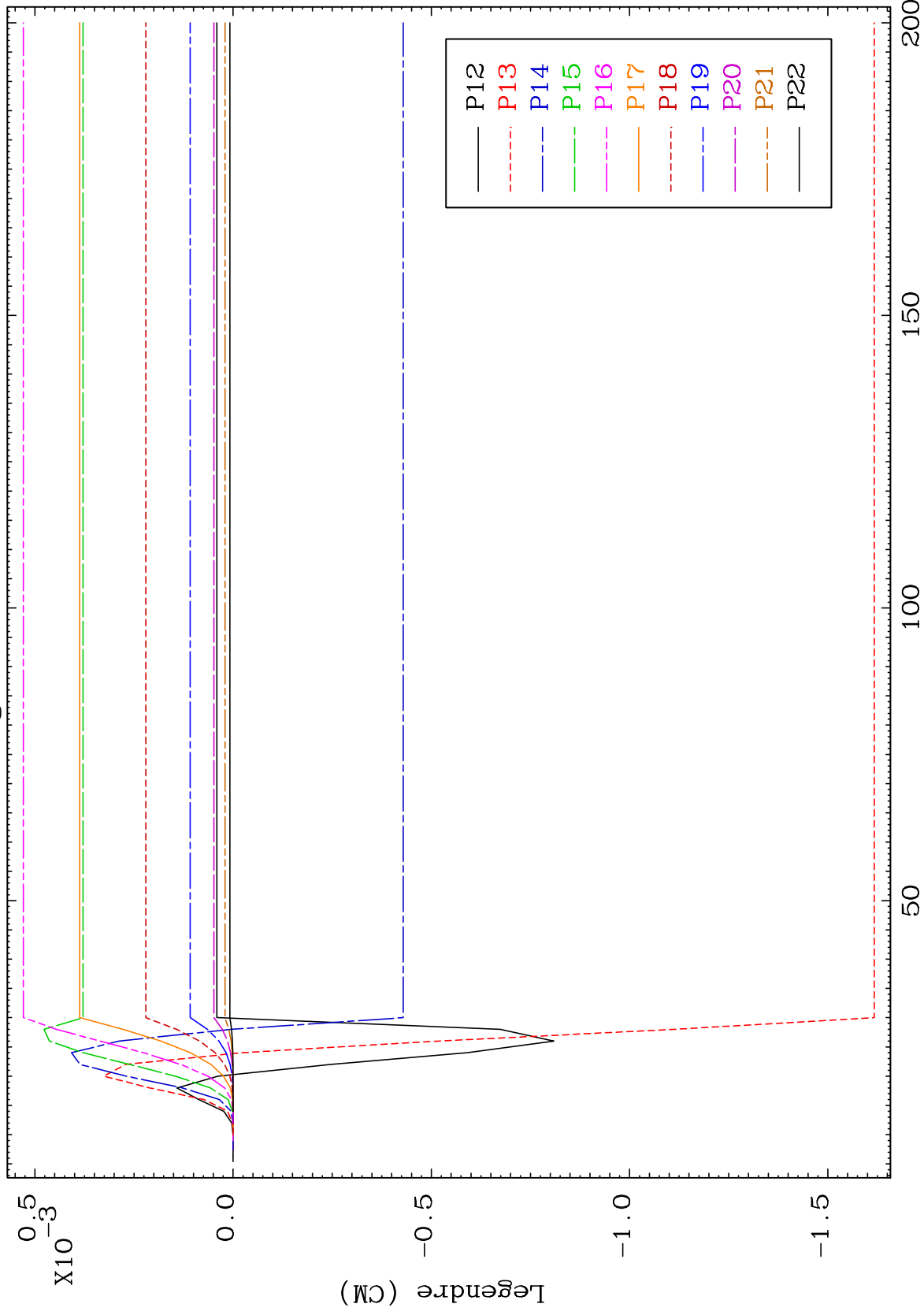
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



69

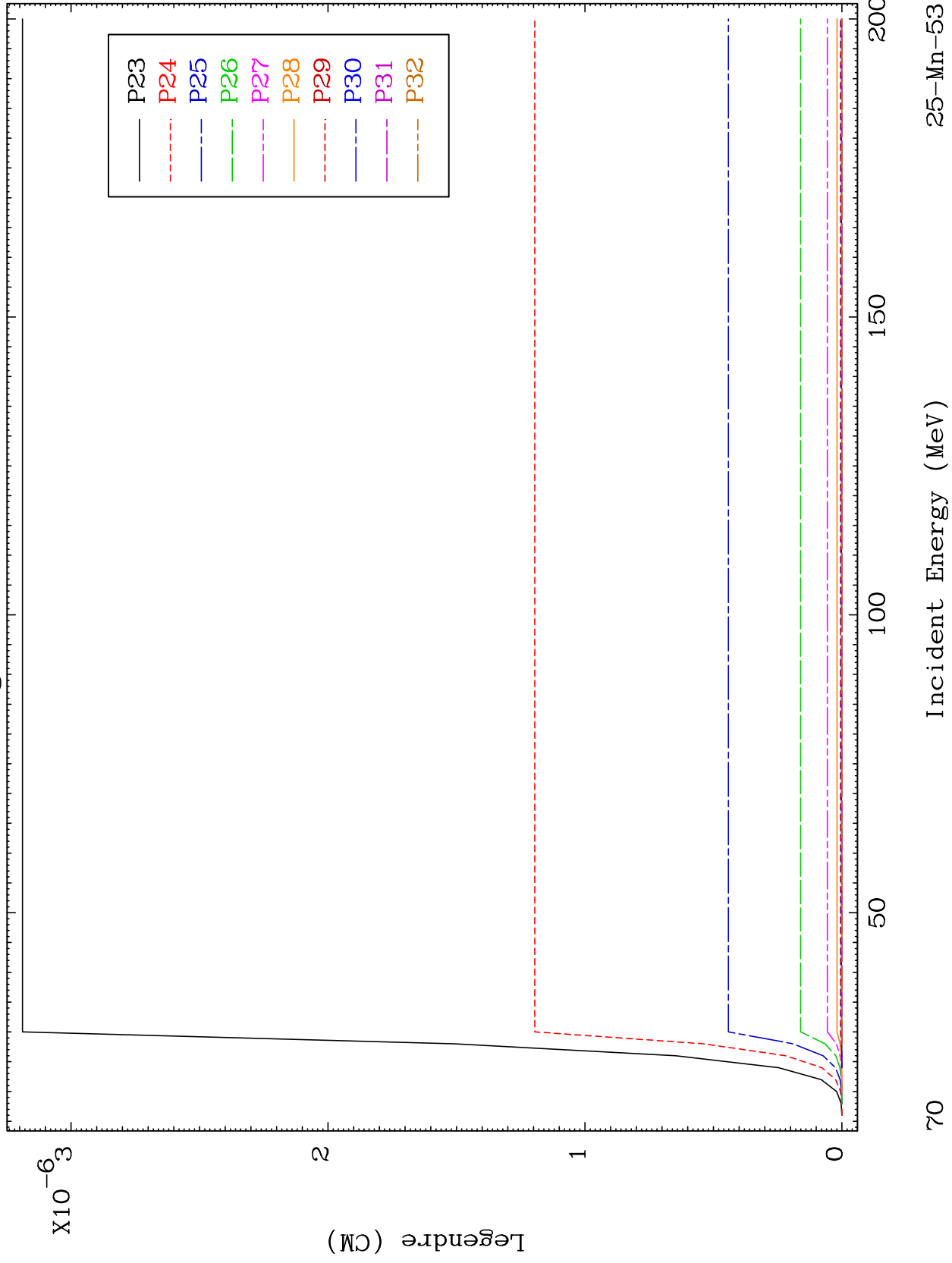
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

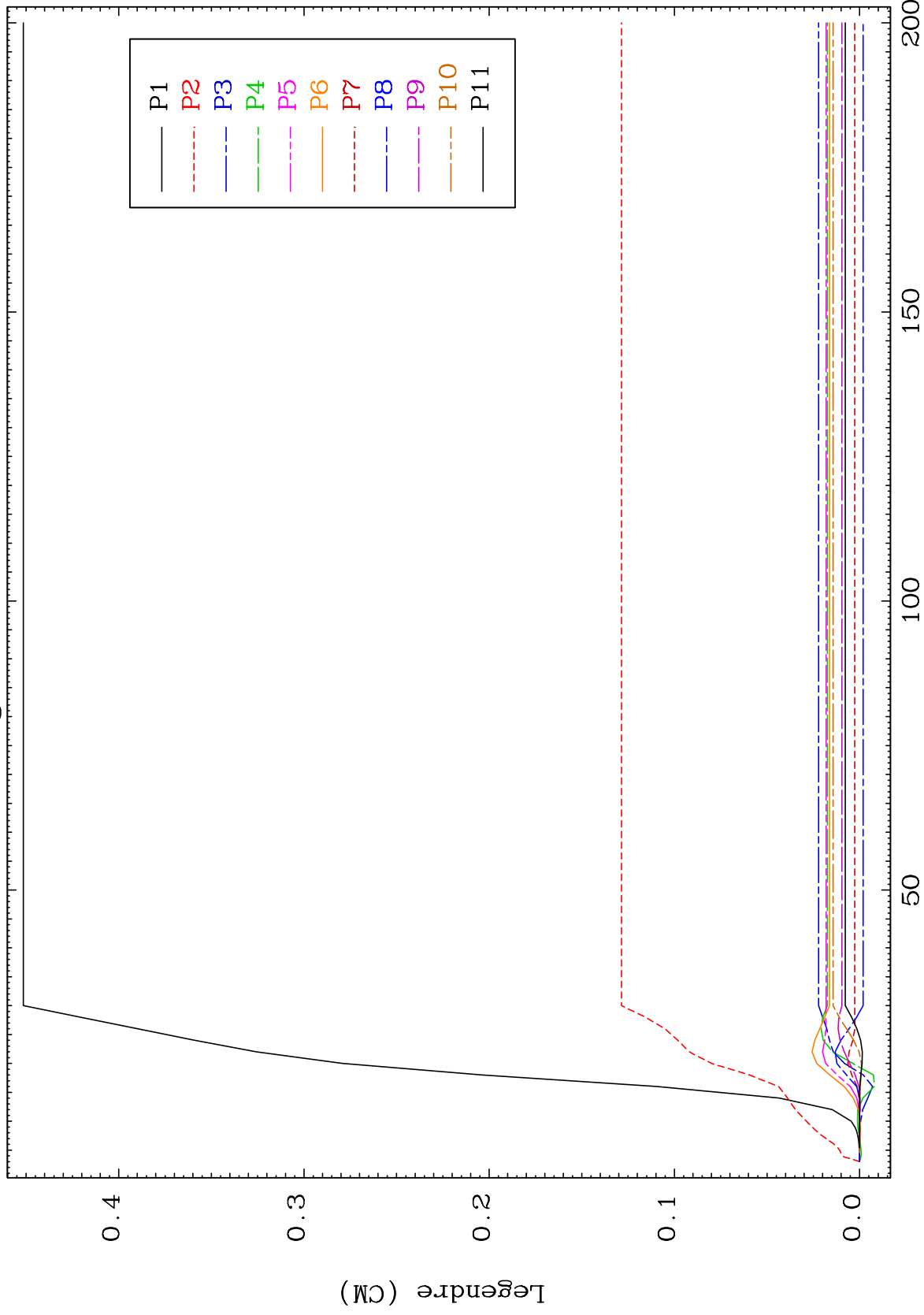
25-Mn-53



MAT 2519

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

25-Mn-53



71

Incident Energy (MeV)

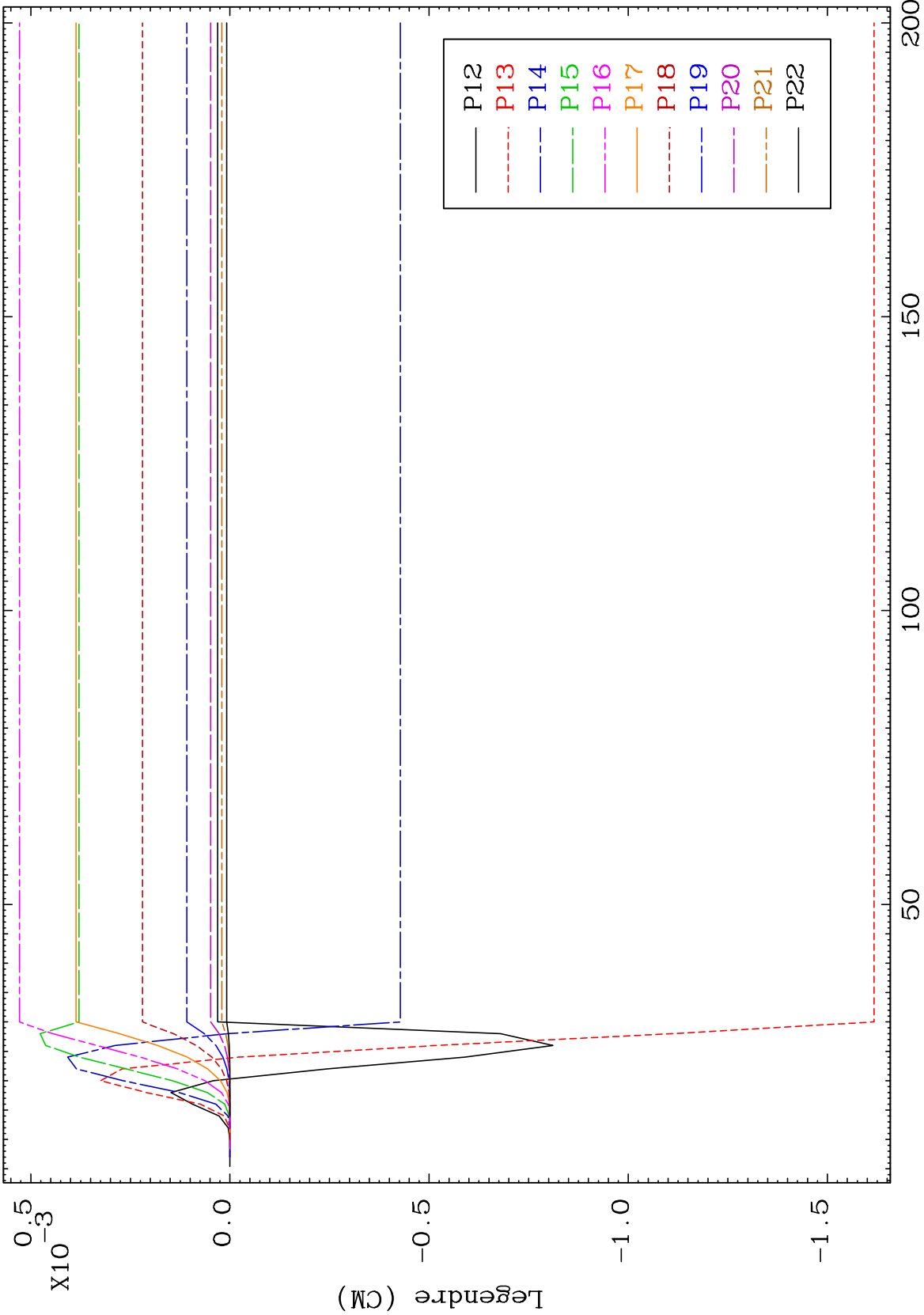
25-Mn-53



MAT 2519

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

25-Mn-53



72

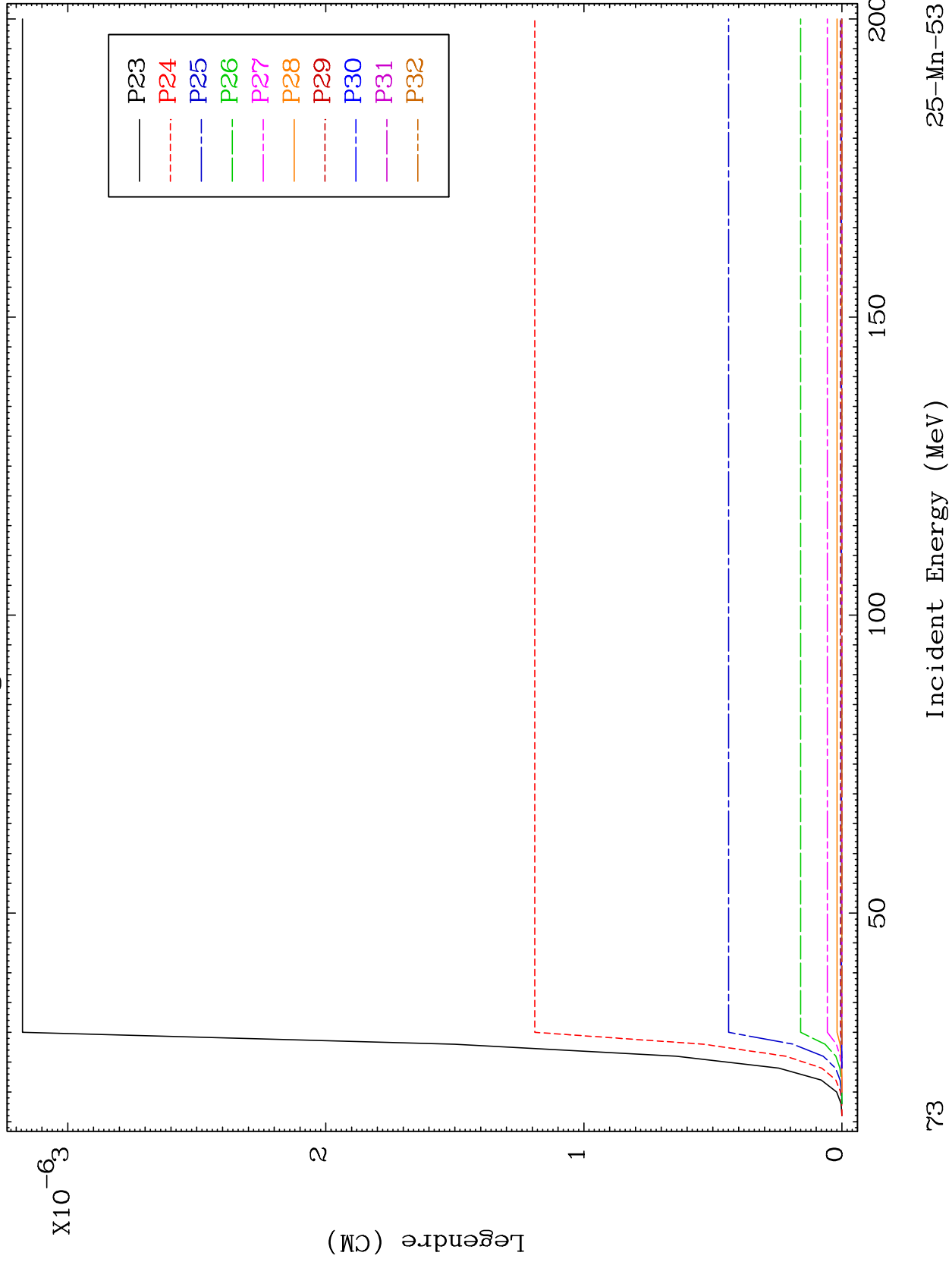
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

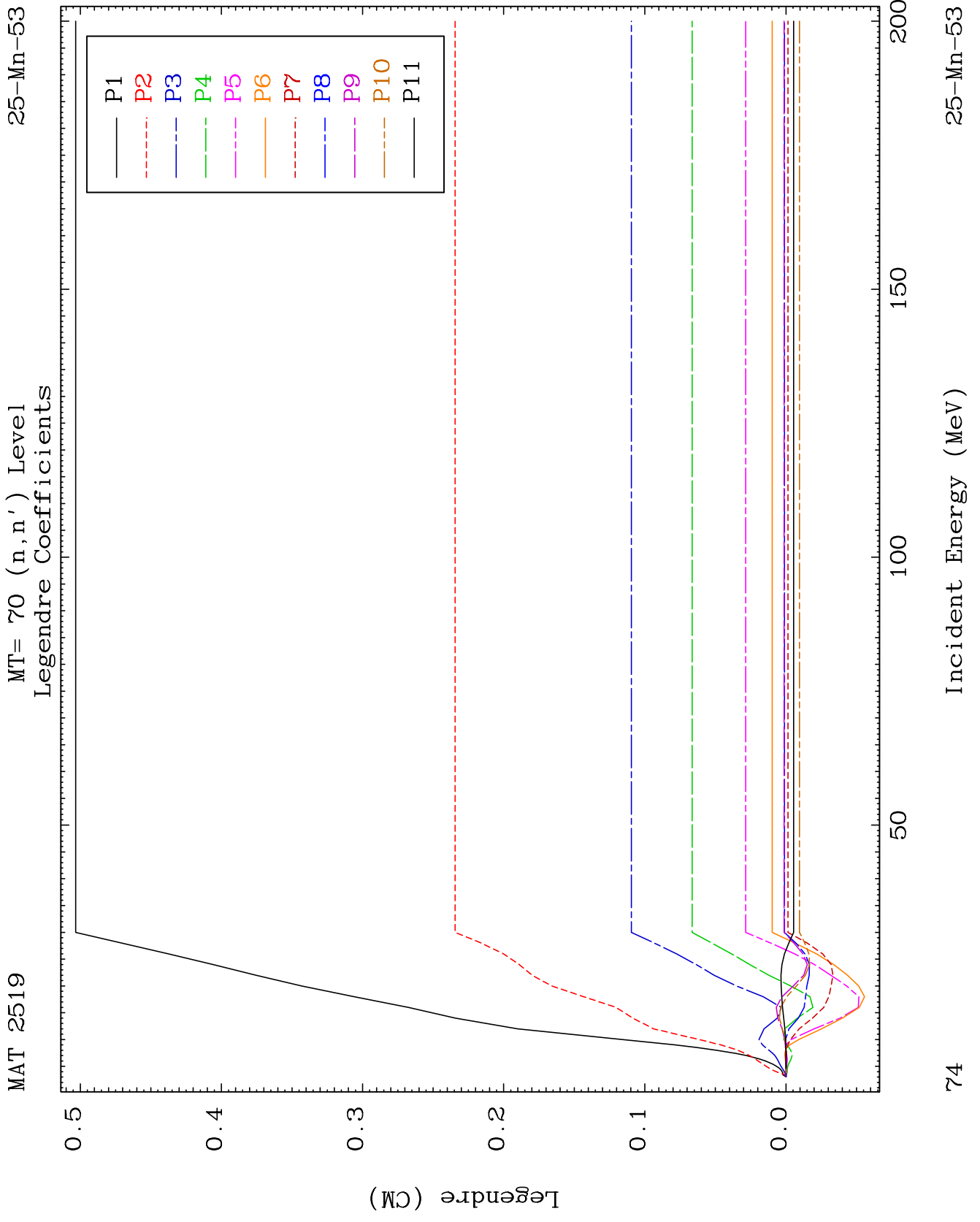
25-Mn-53



73

Incident Energy (MeV)

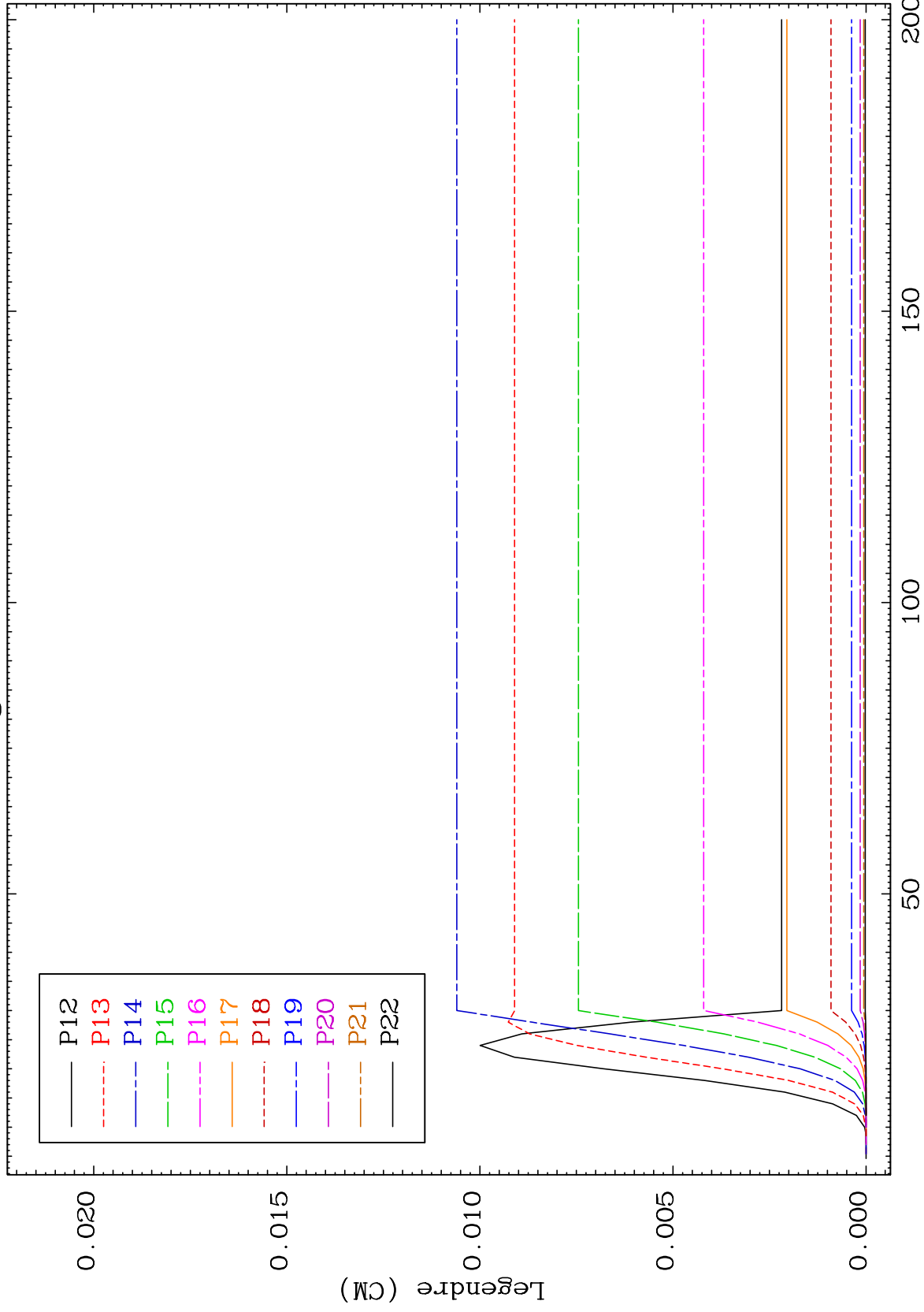
25-Mn-53



MAT 2519

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

25-Mn-53



75

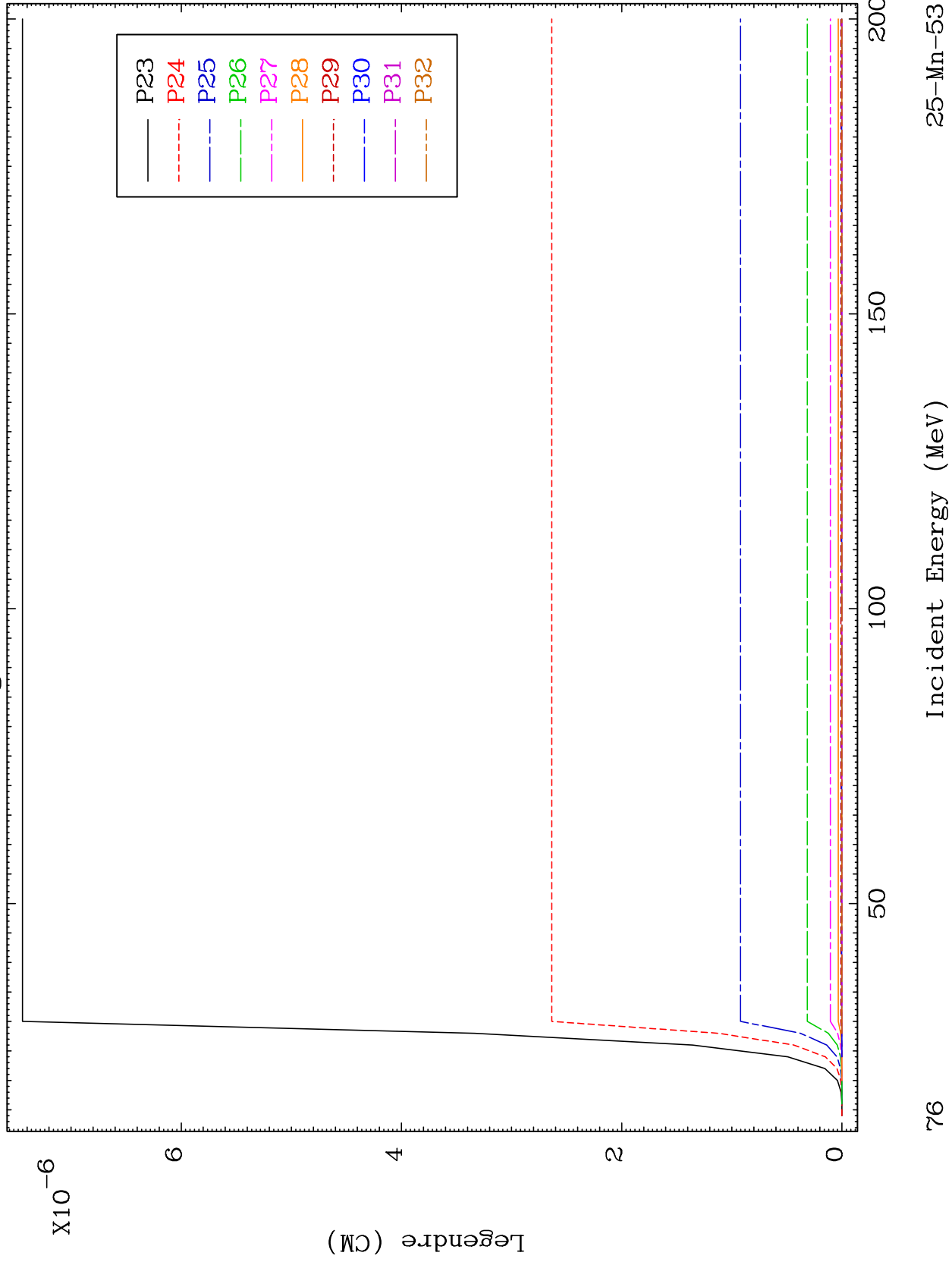
Incident Energy (MeV)

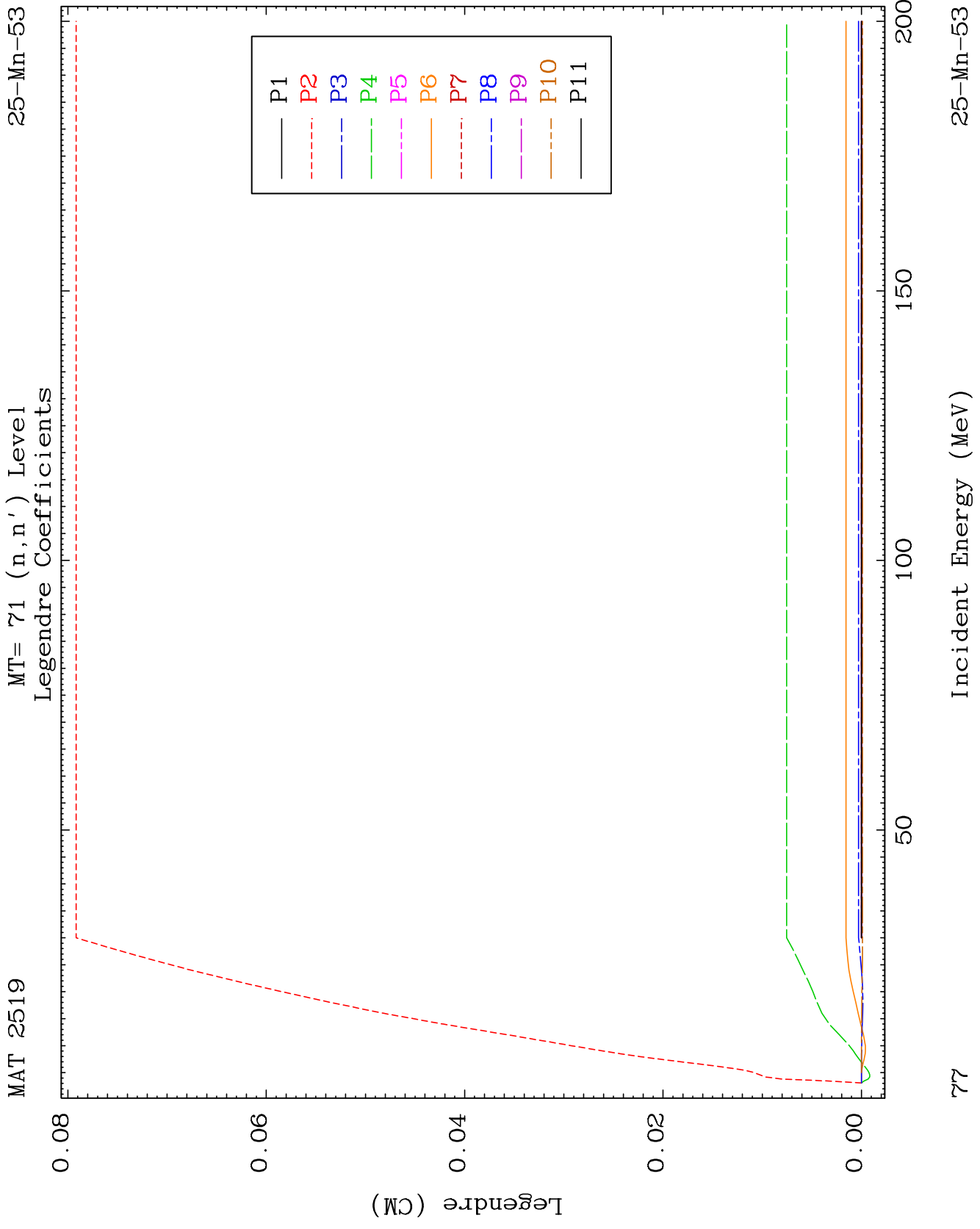
25-Mn-53

MAT 2519

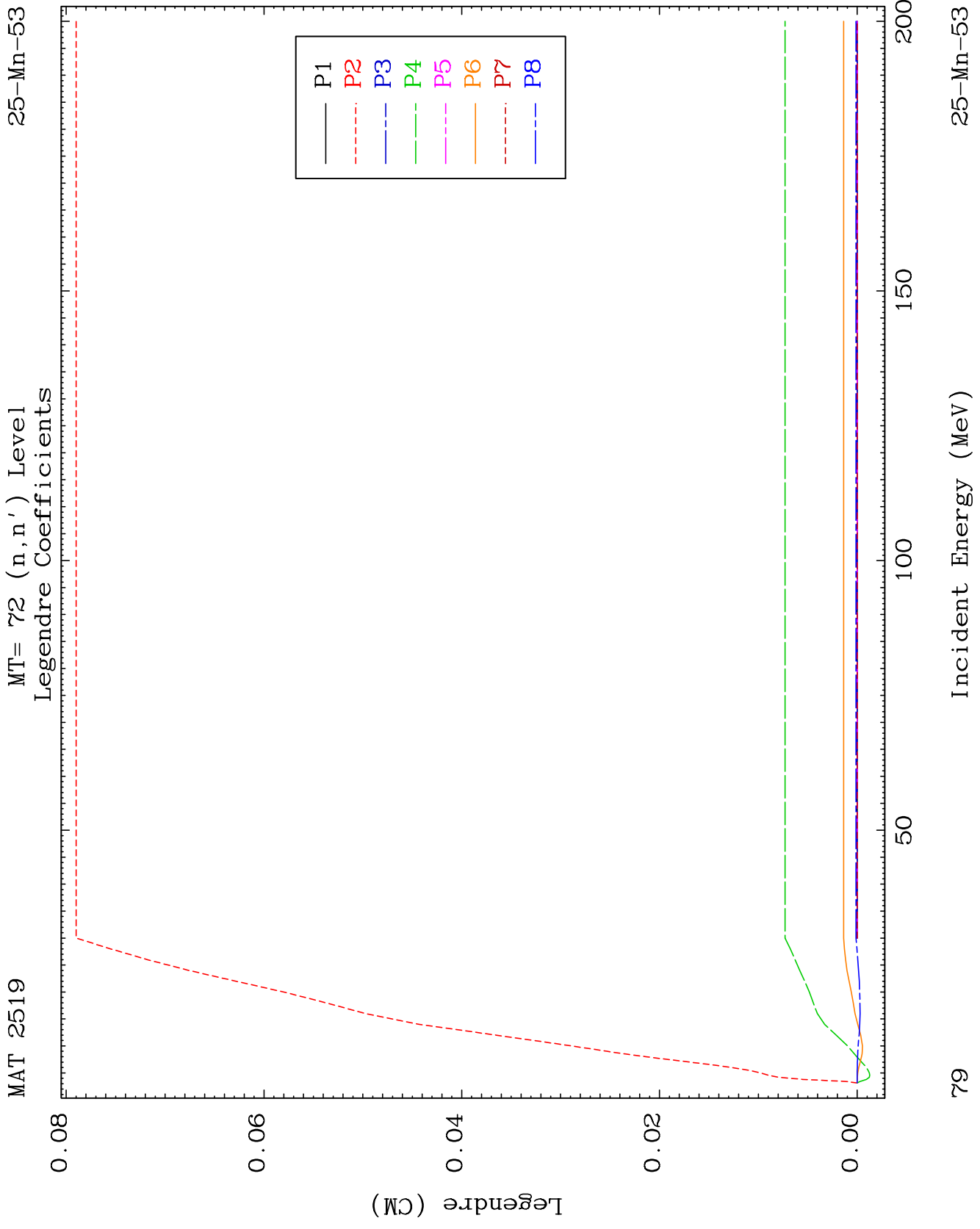
MT= 70 (n,n') Level  
Legendre Coefficients

25-Mn-53

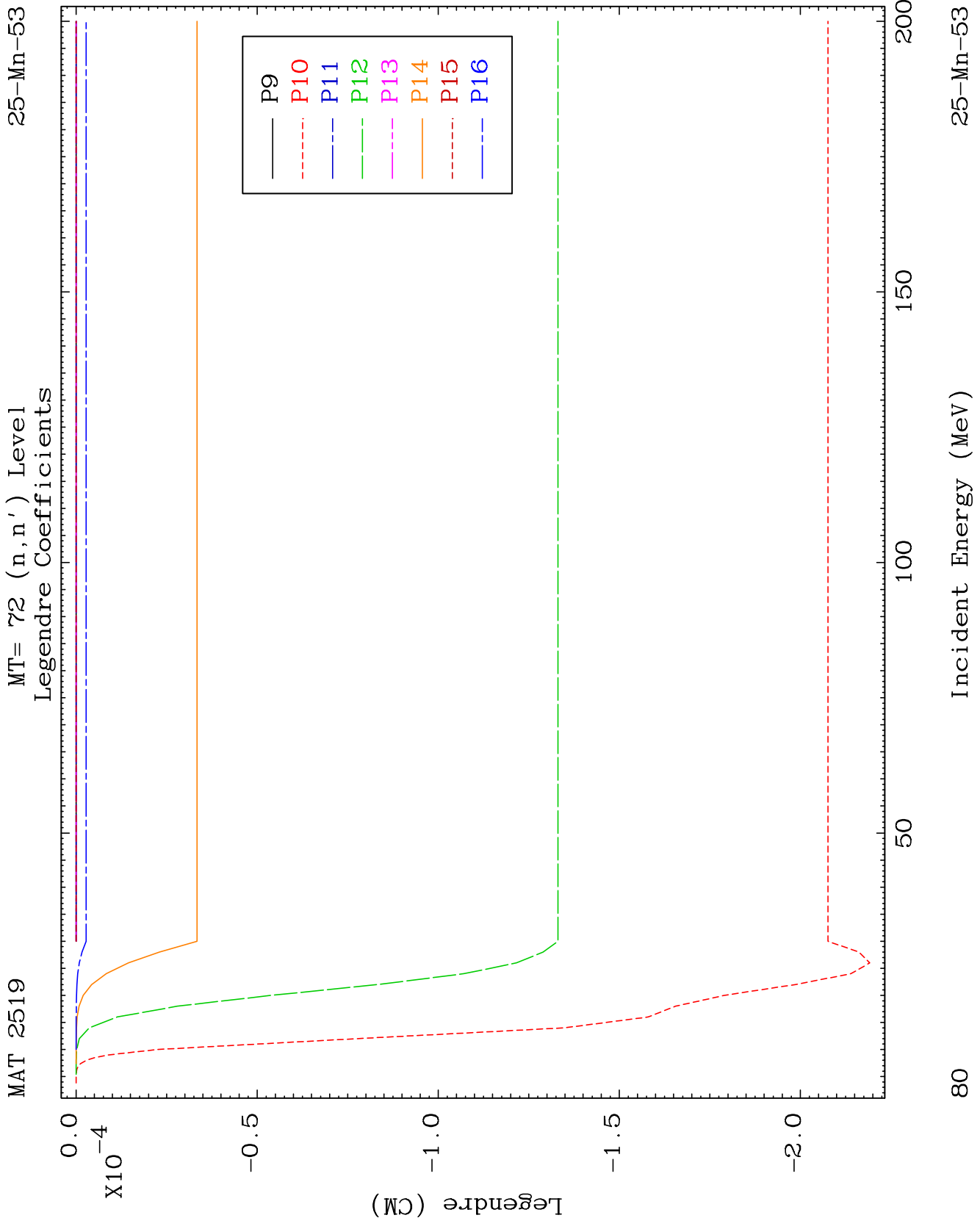


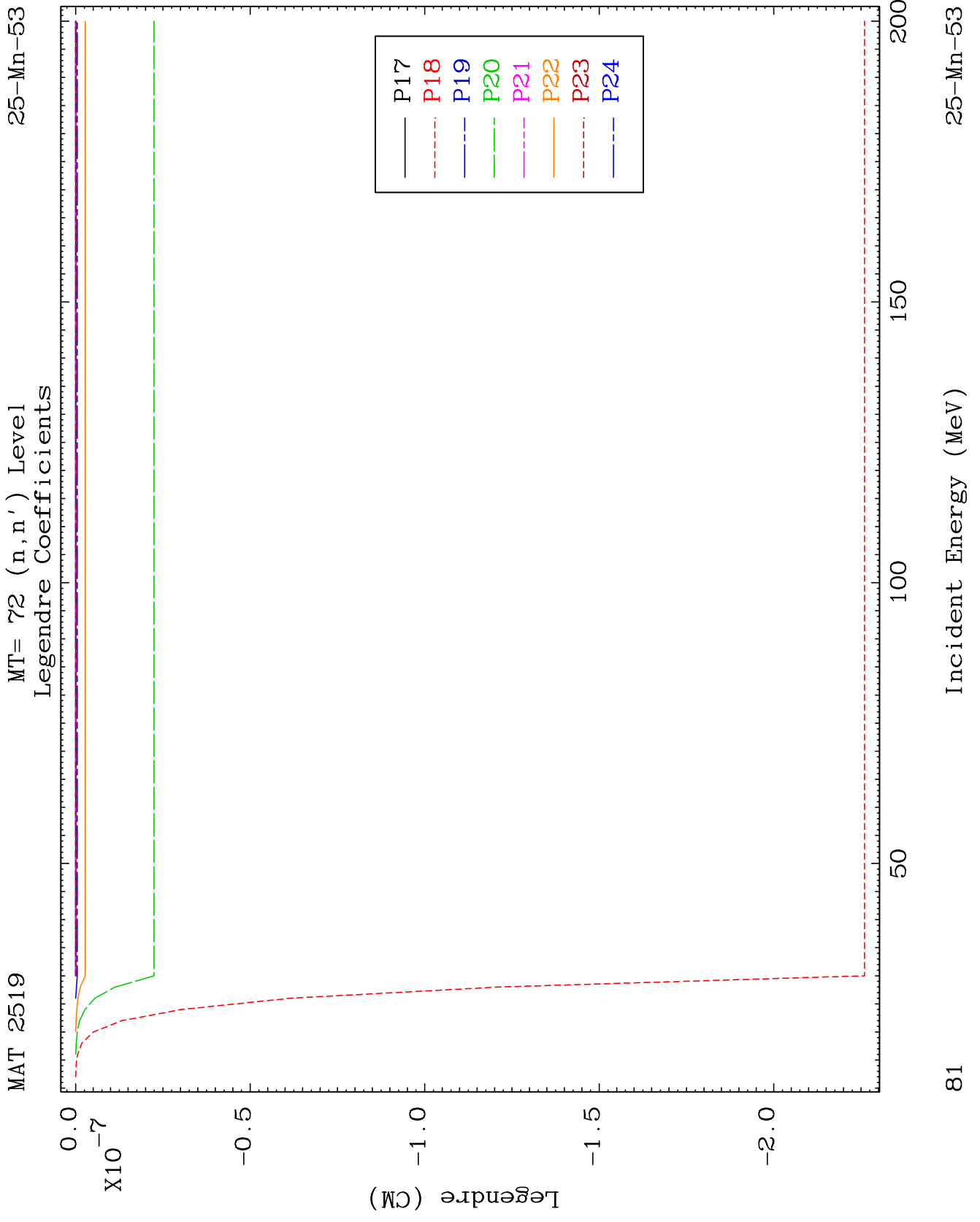


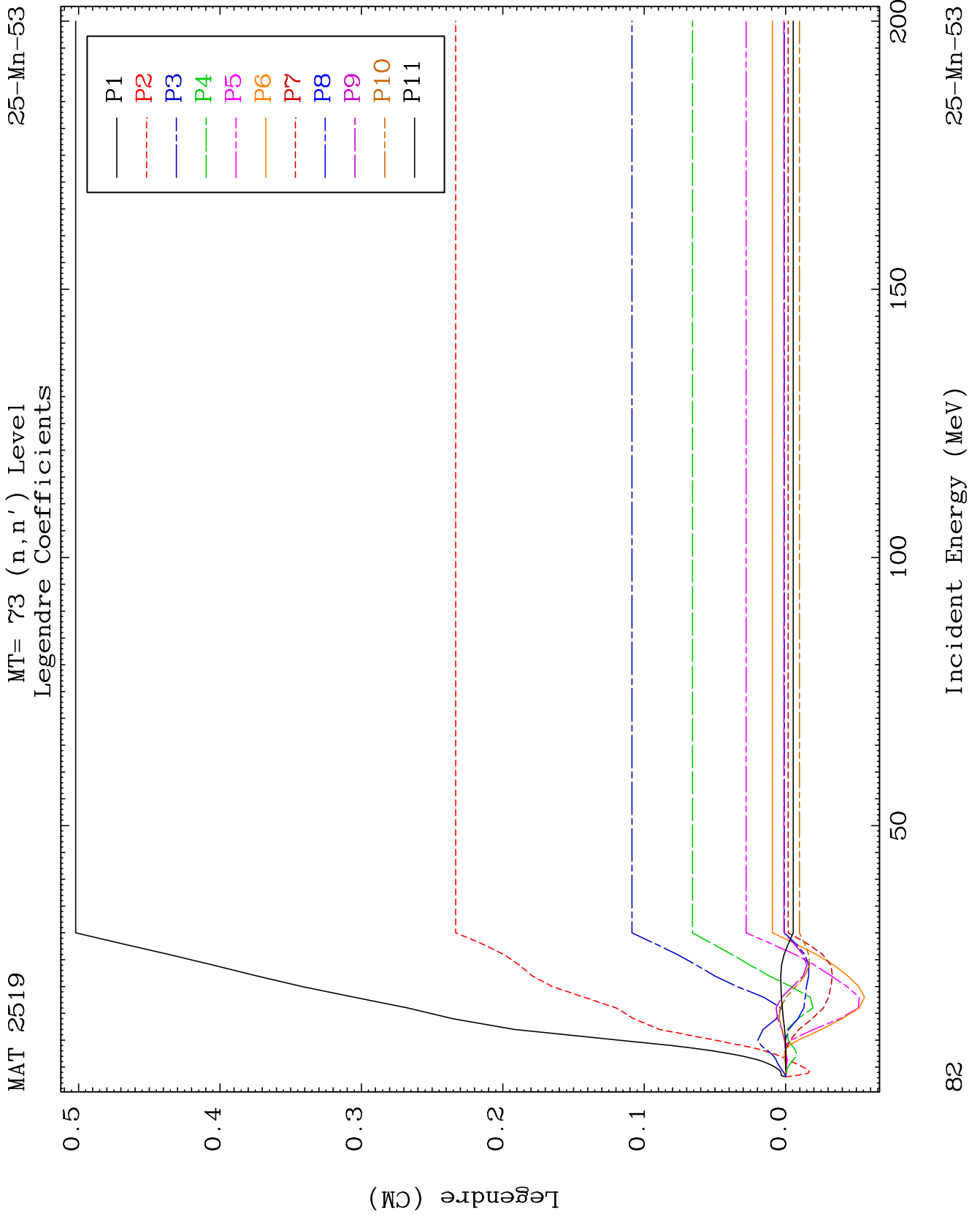


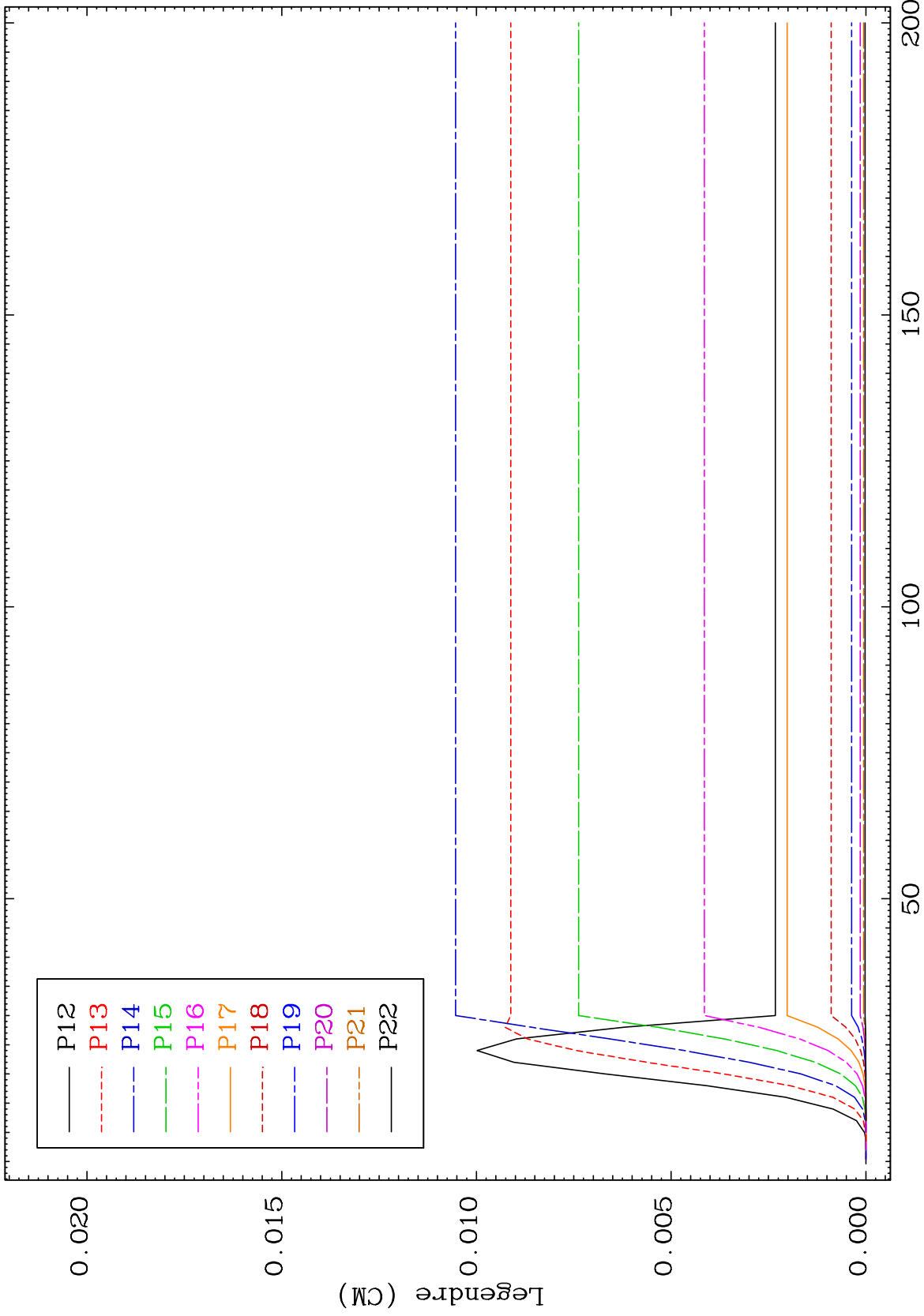








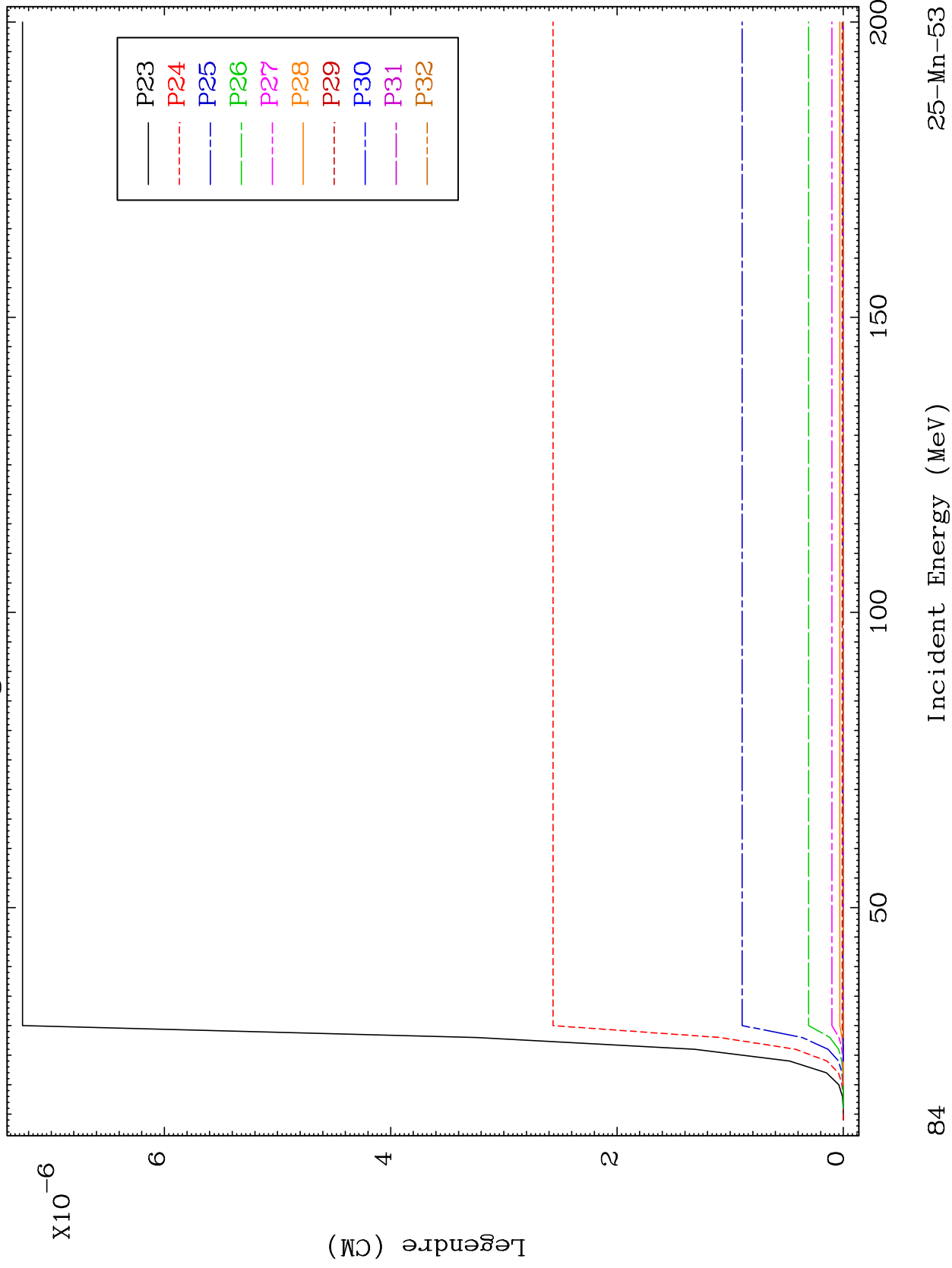




MAT 2519

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

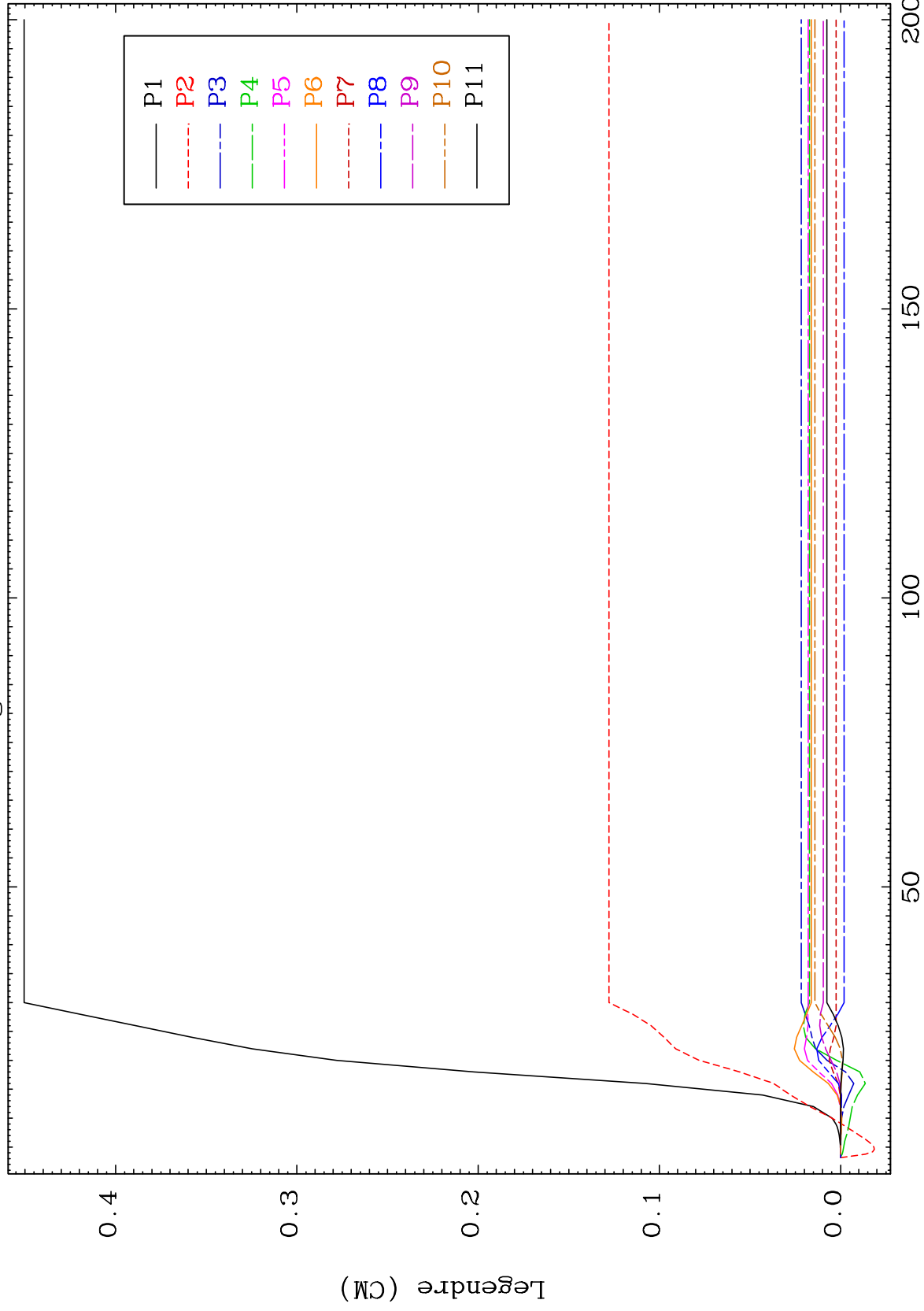
25-Mn-53



MAT 2519

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

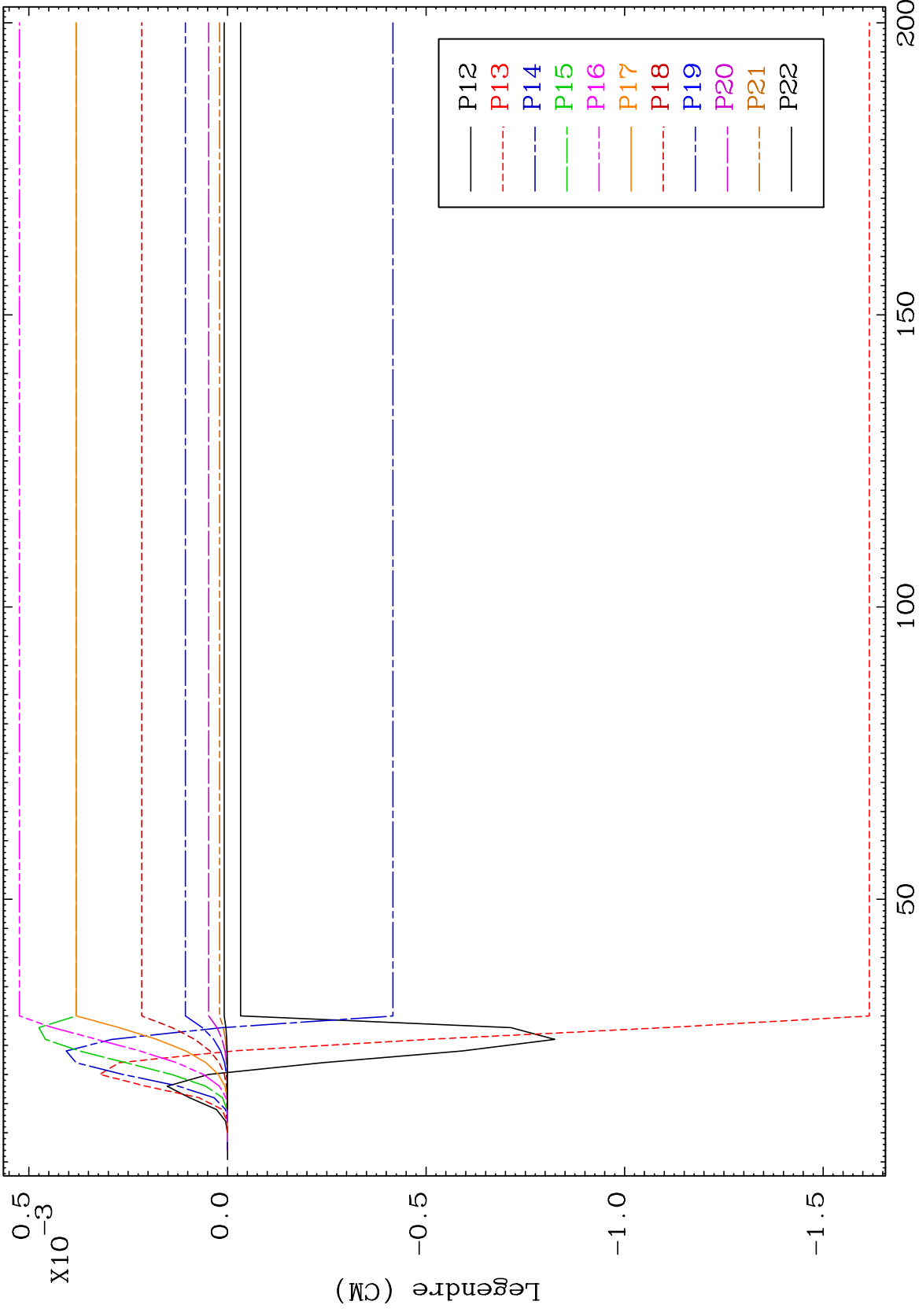
25-Mn-53



85

Incident Energy (MeV)

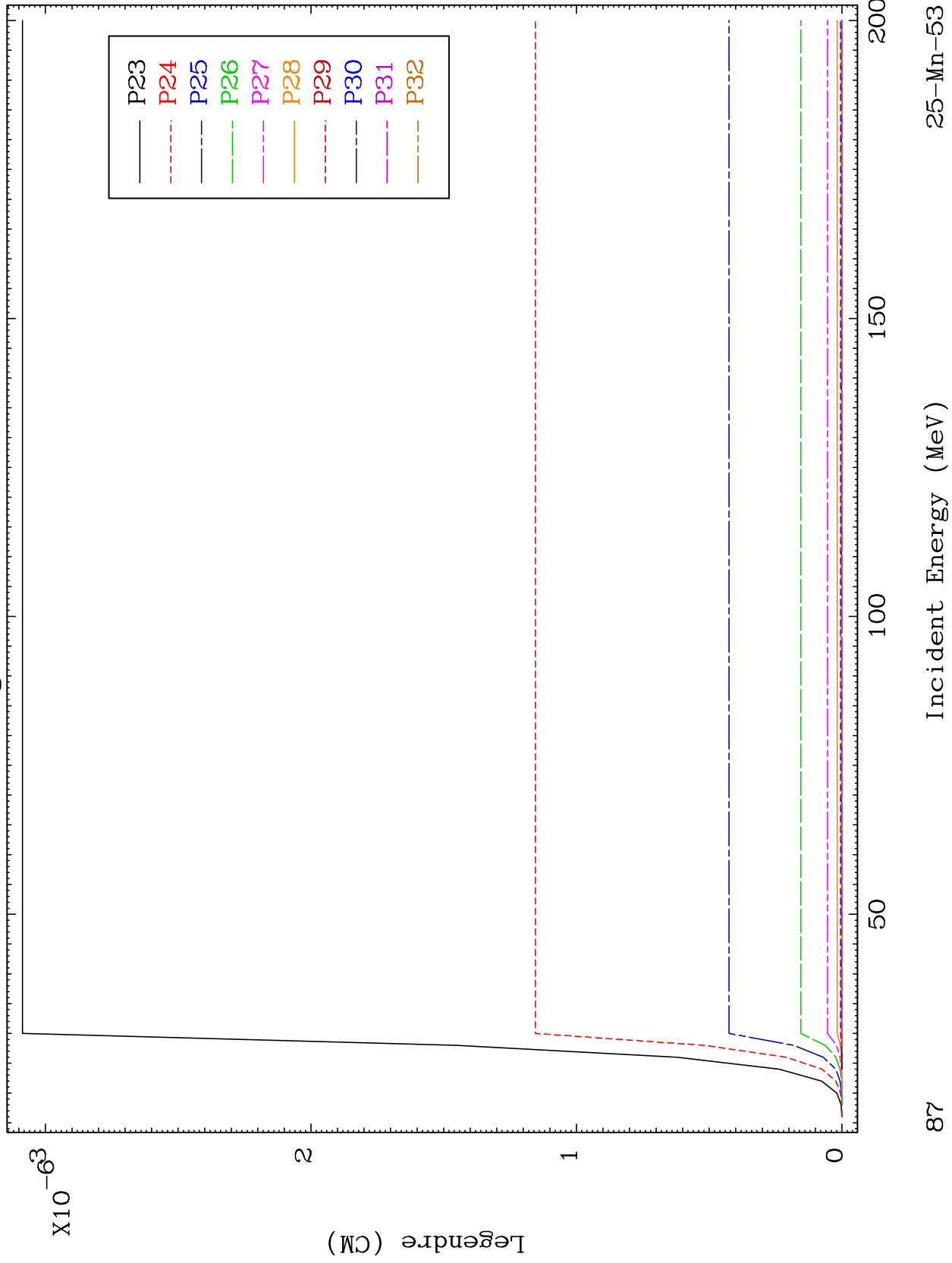
25-Mn-53



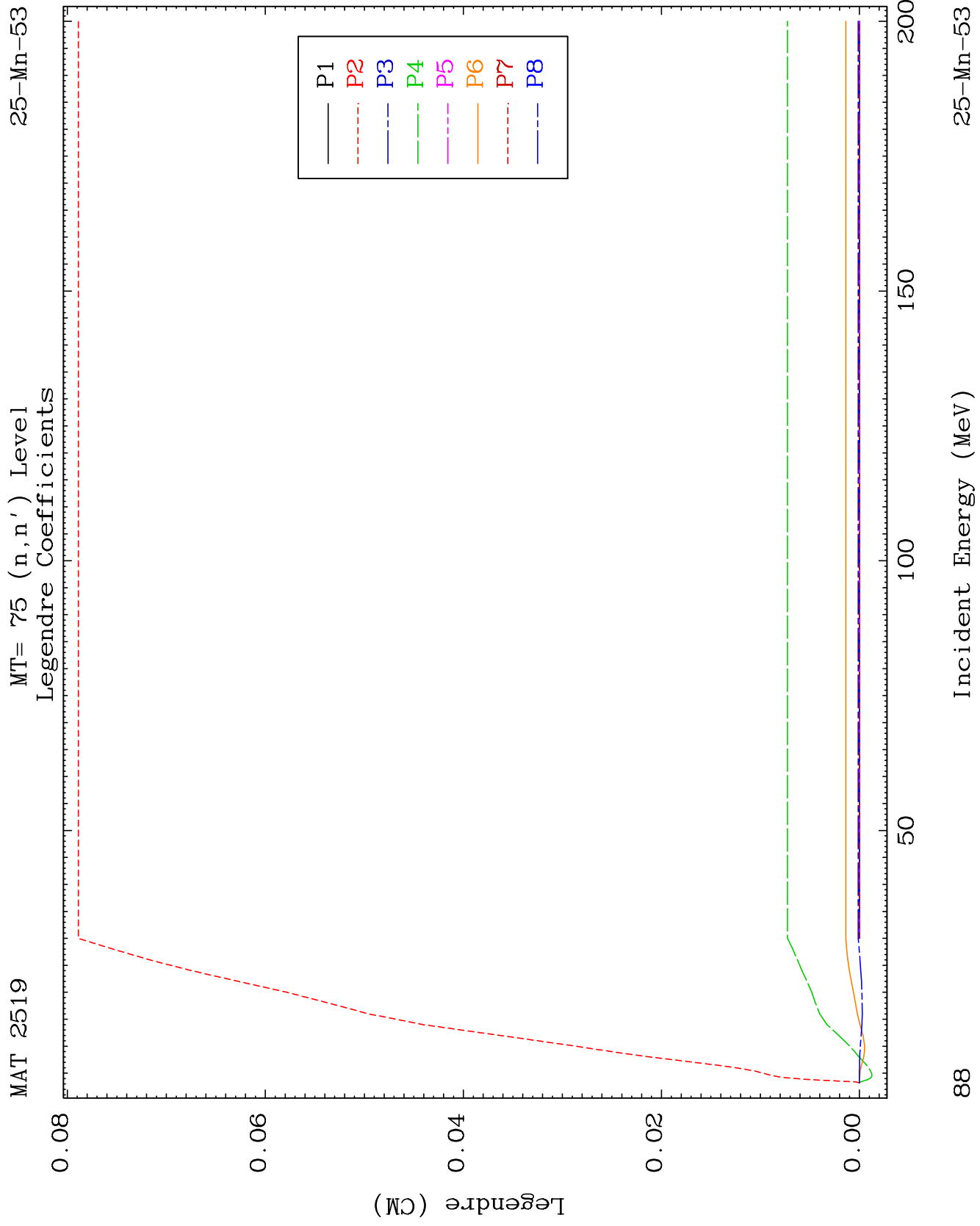
MAT 2519

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

25-Mn-53



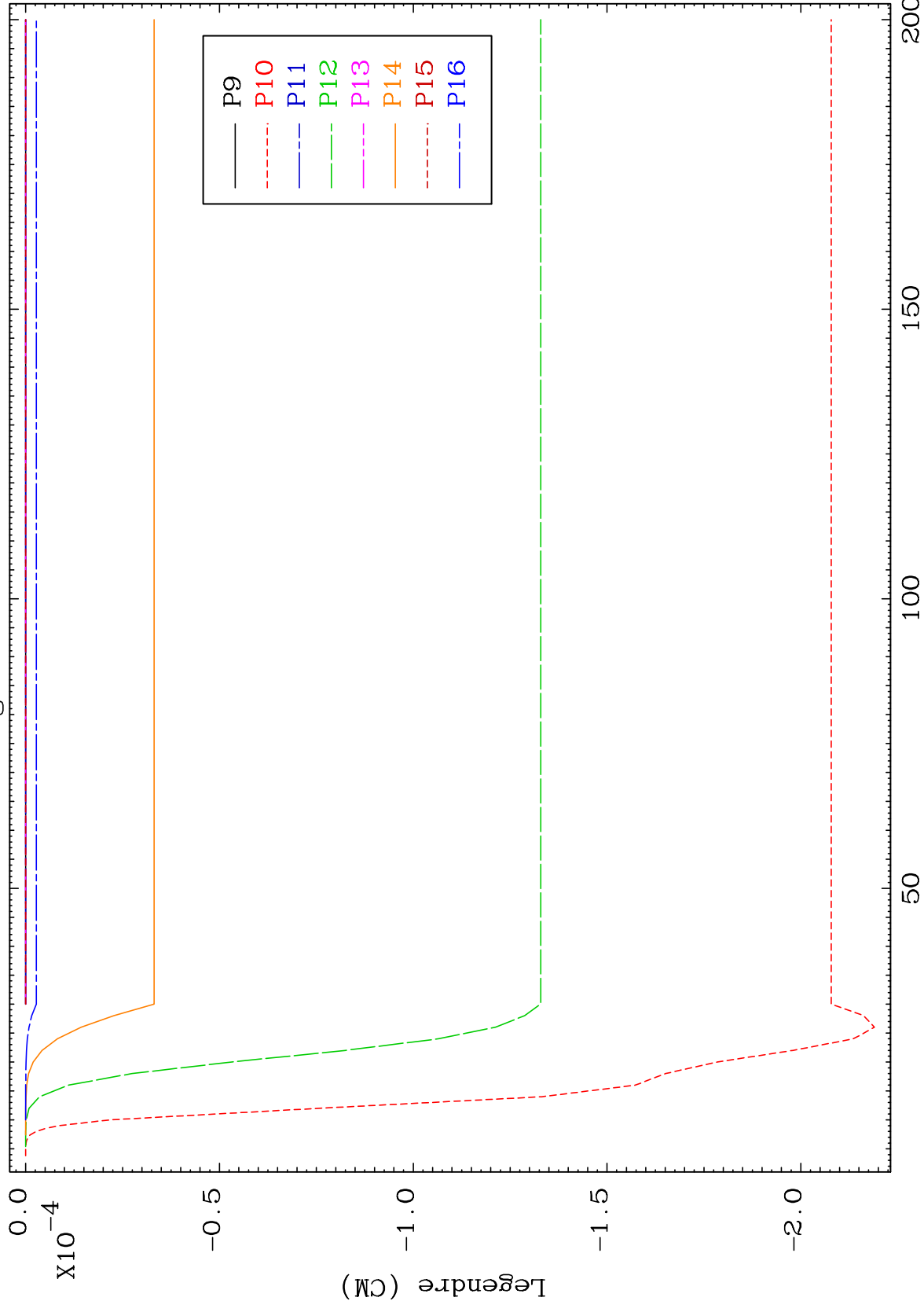




MAT 2519

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

25-Mn-53



89

Incident Energy (MeV)

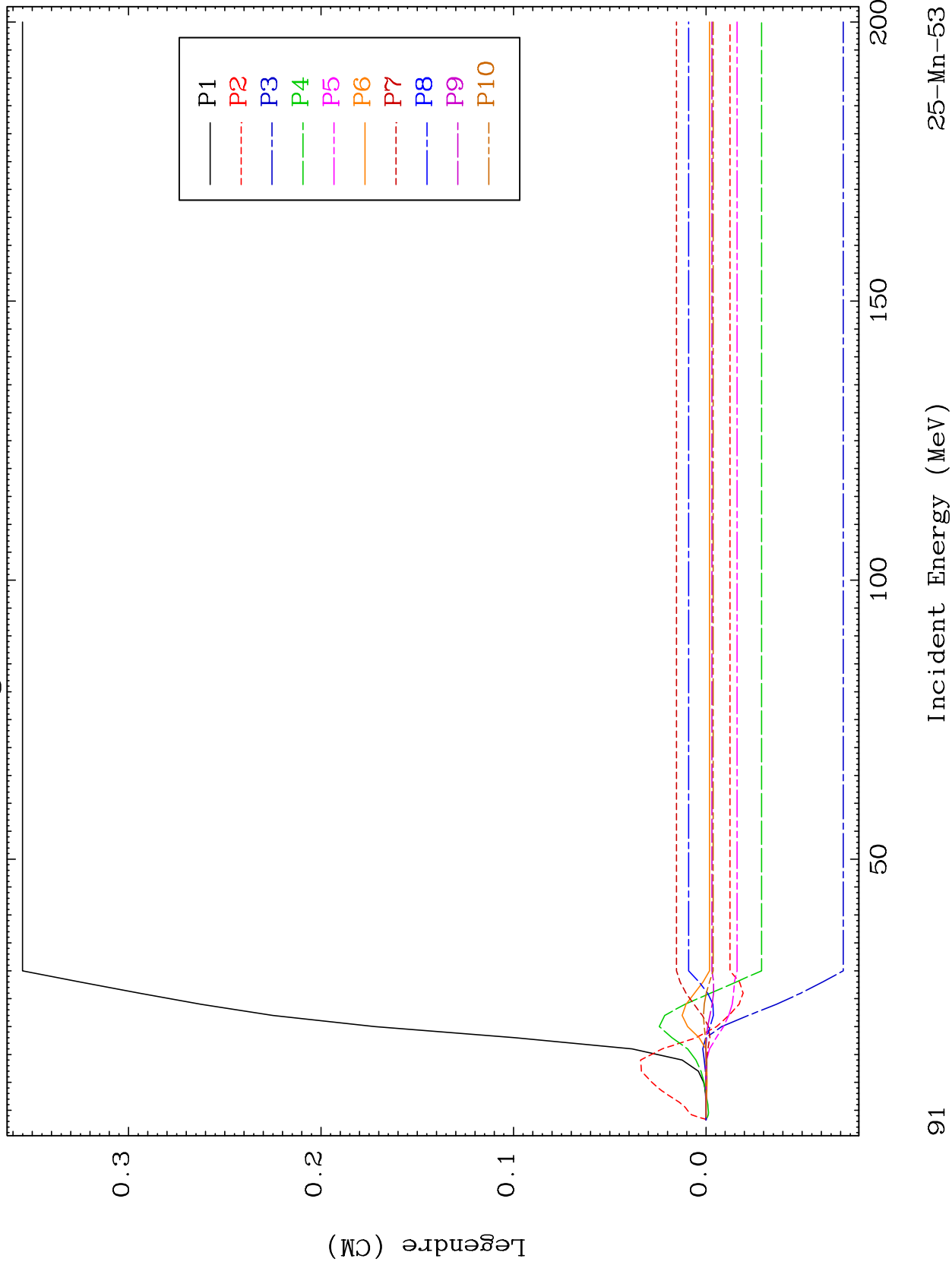
25-Mn-53



MAT 2519

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

25-Mn-53



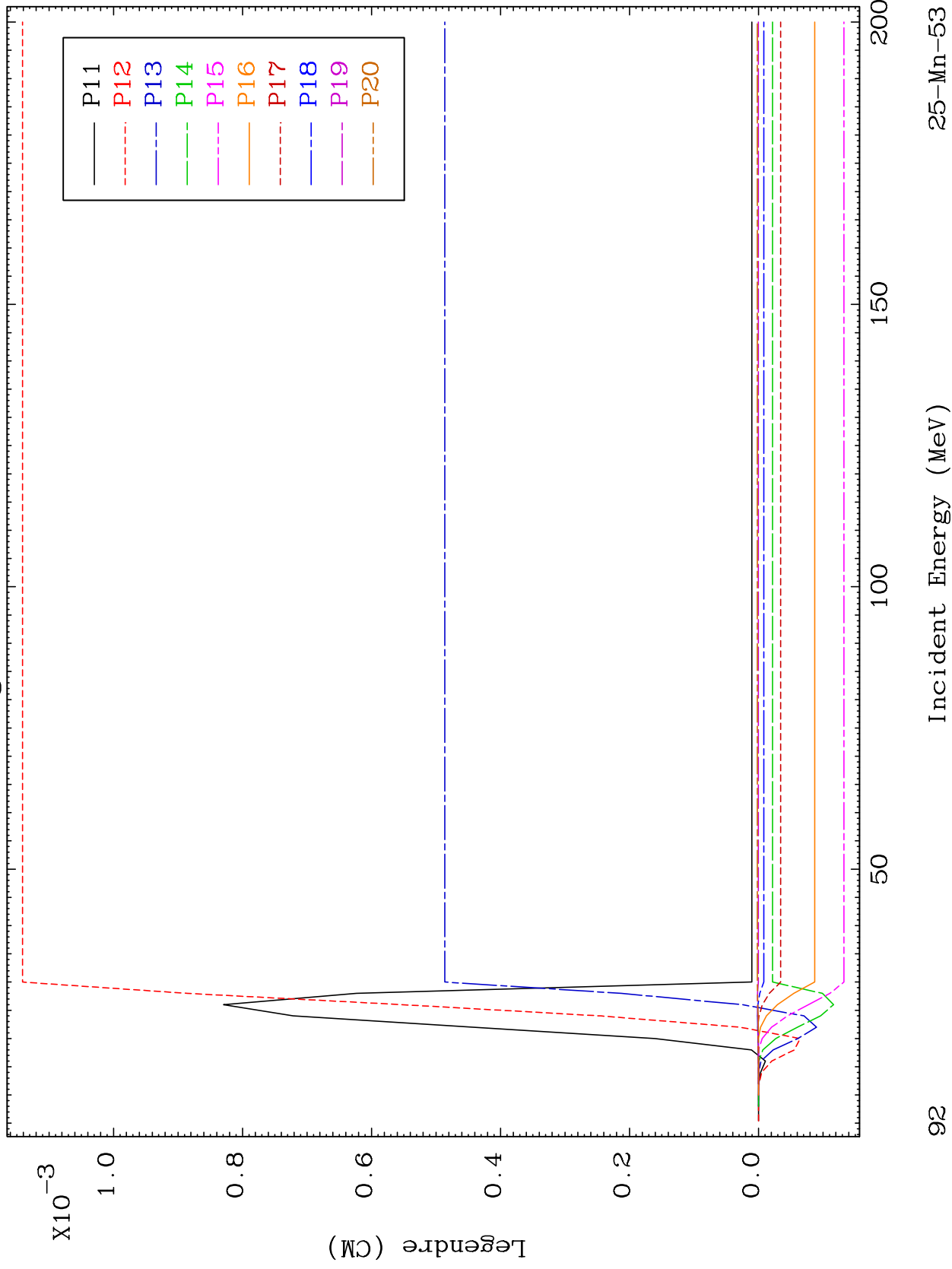
91

25-Mn-53

MAT 2519

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

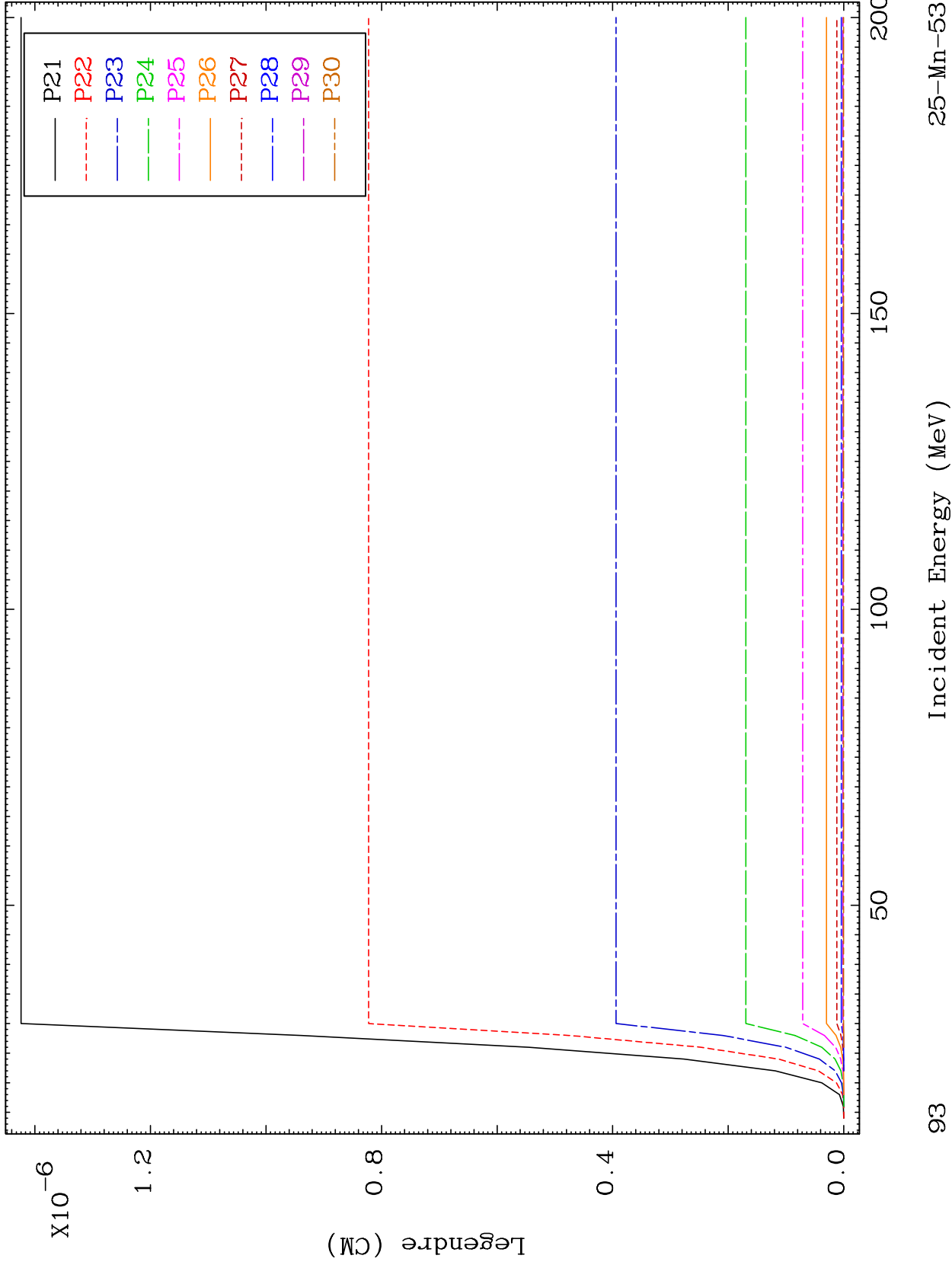
25-Mn-53



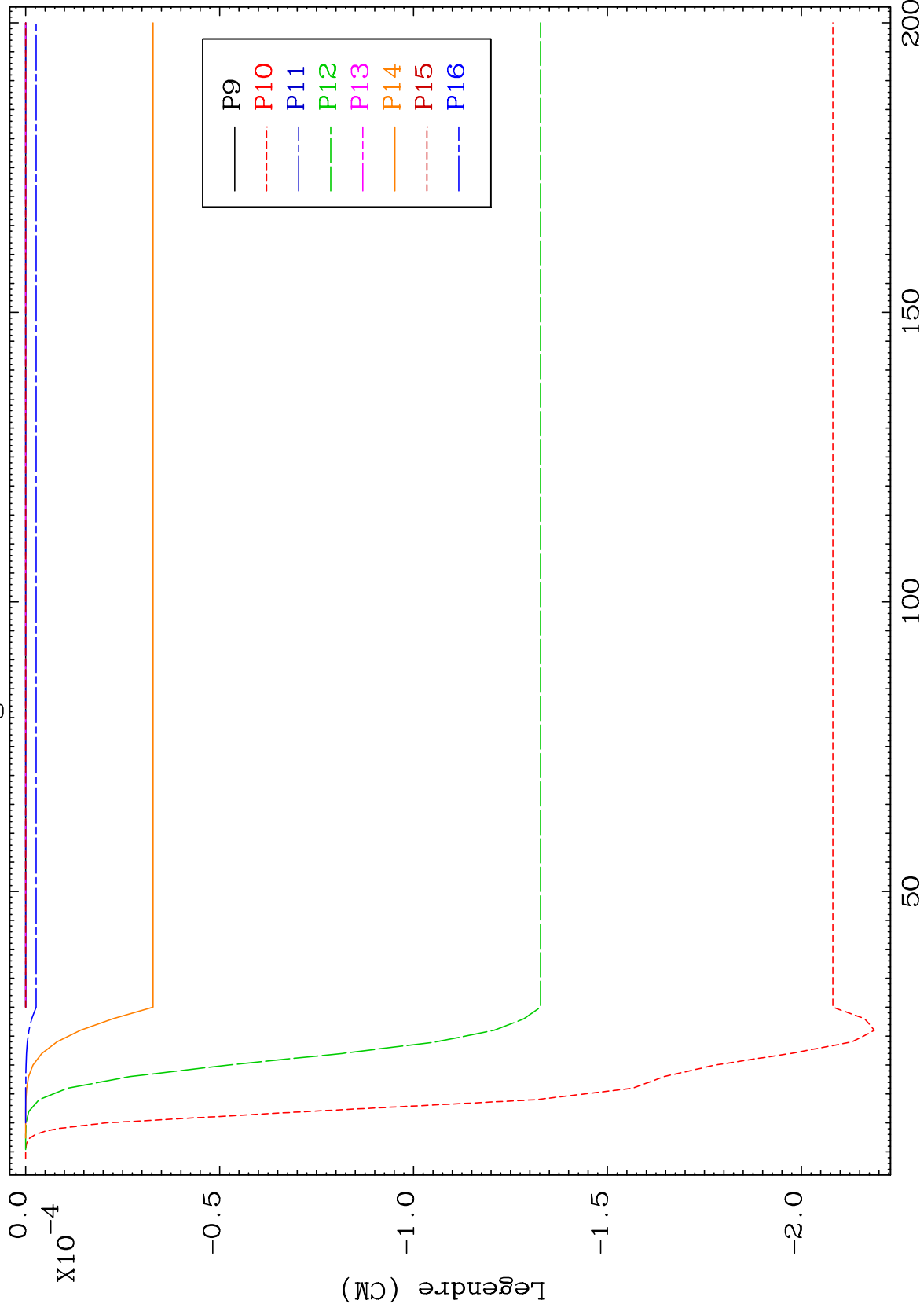
MAT 2519

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

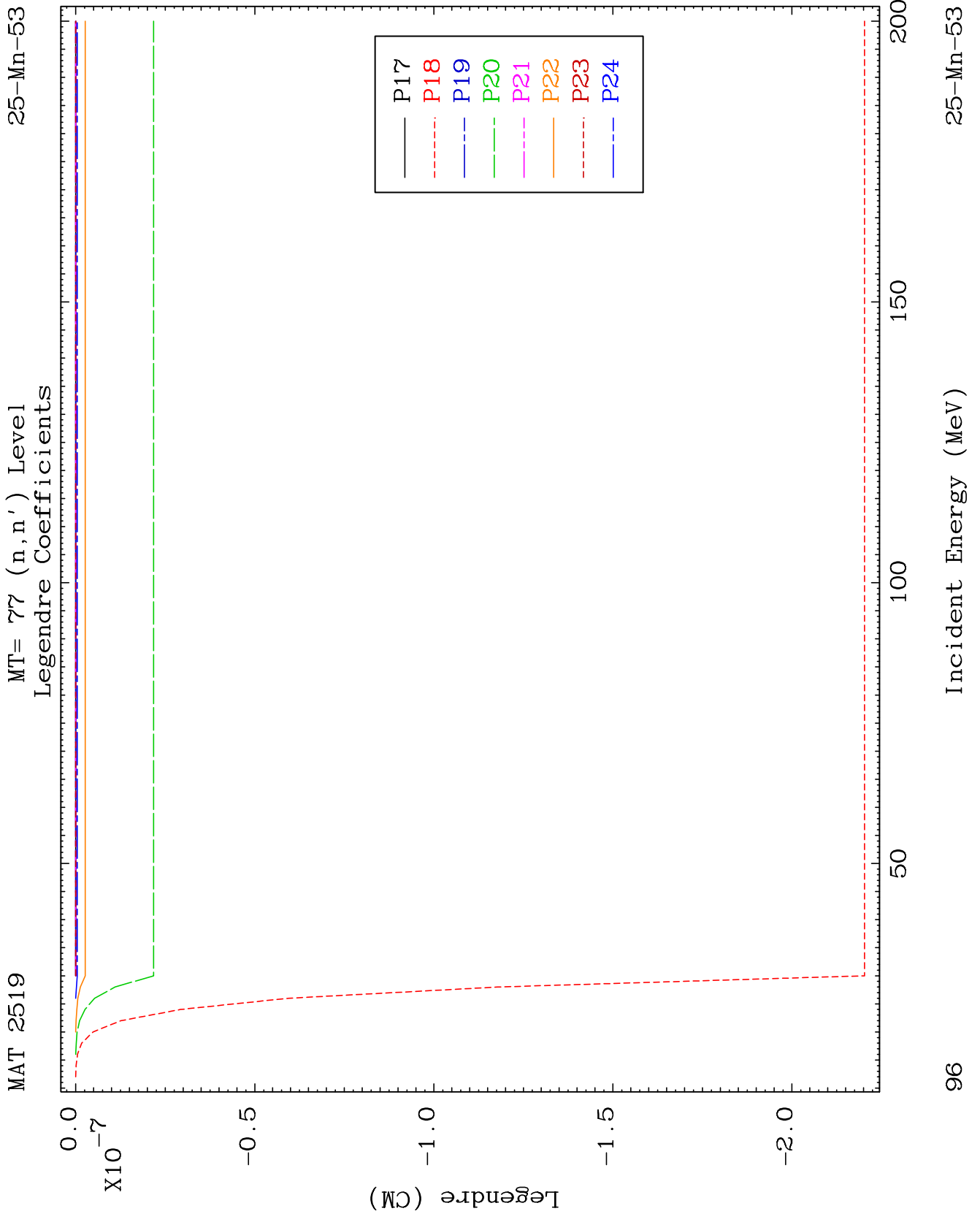
25-Mn-53

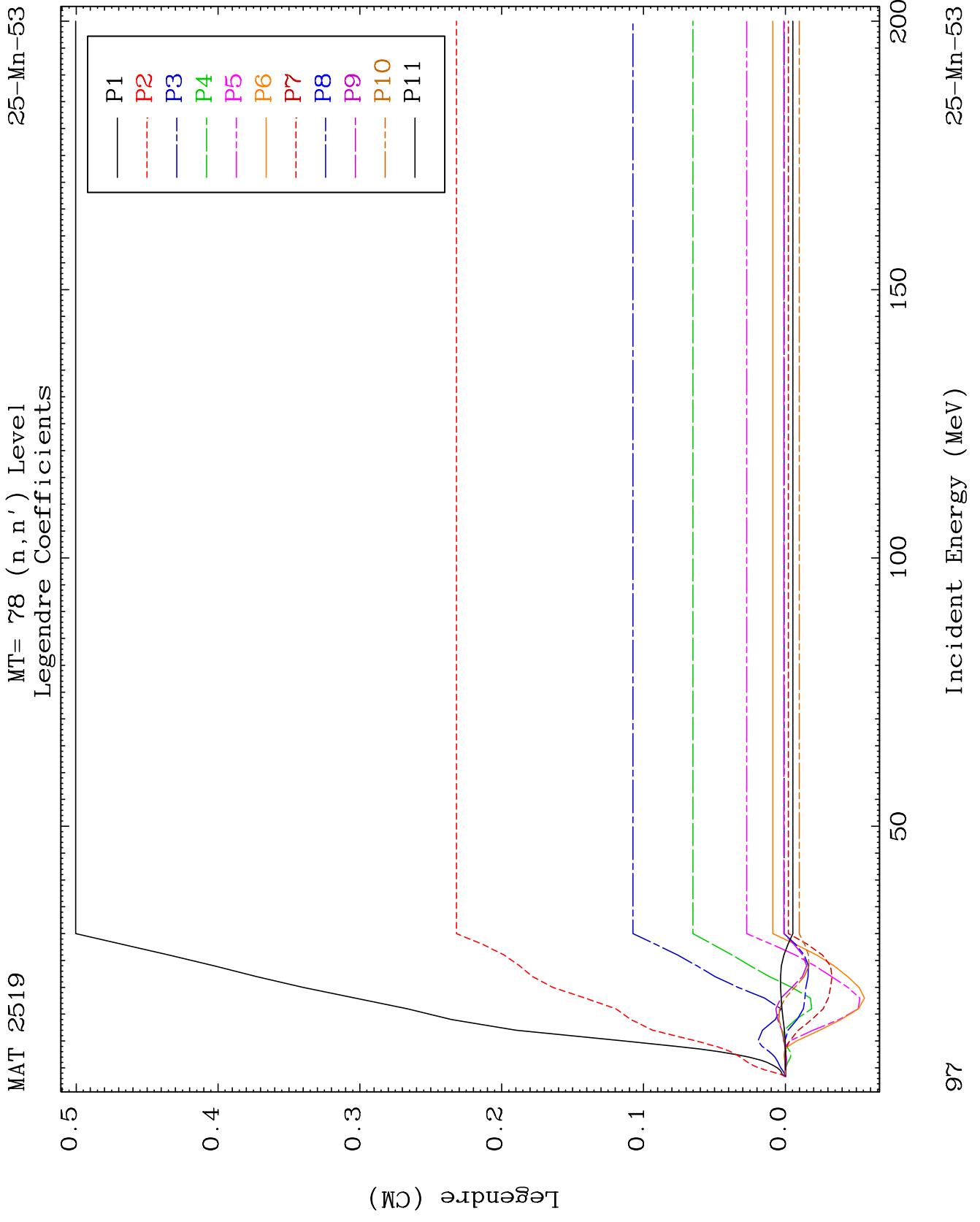








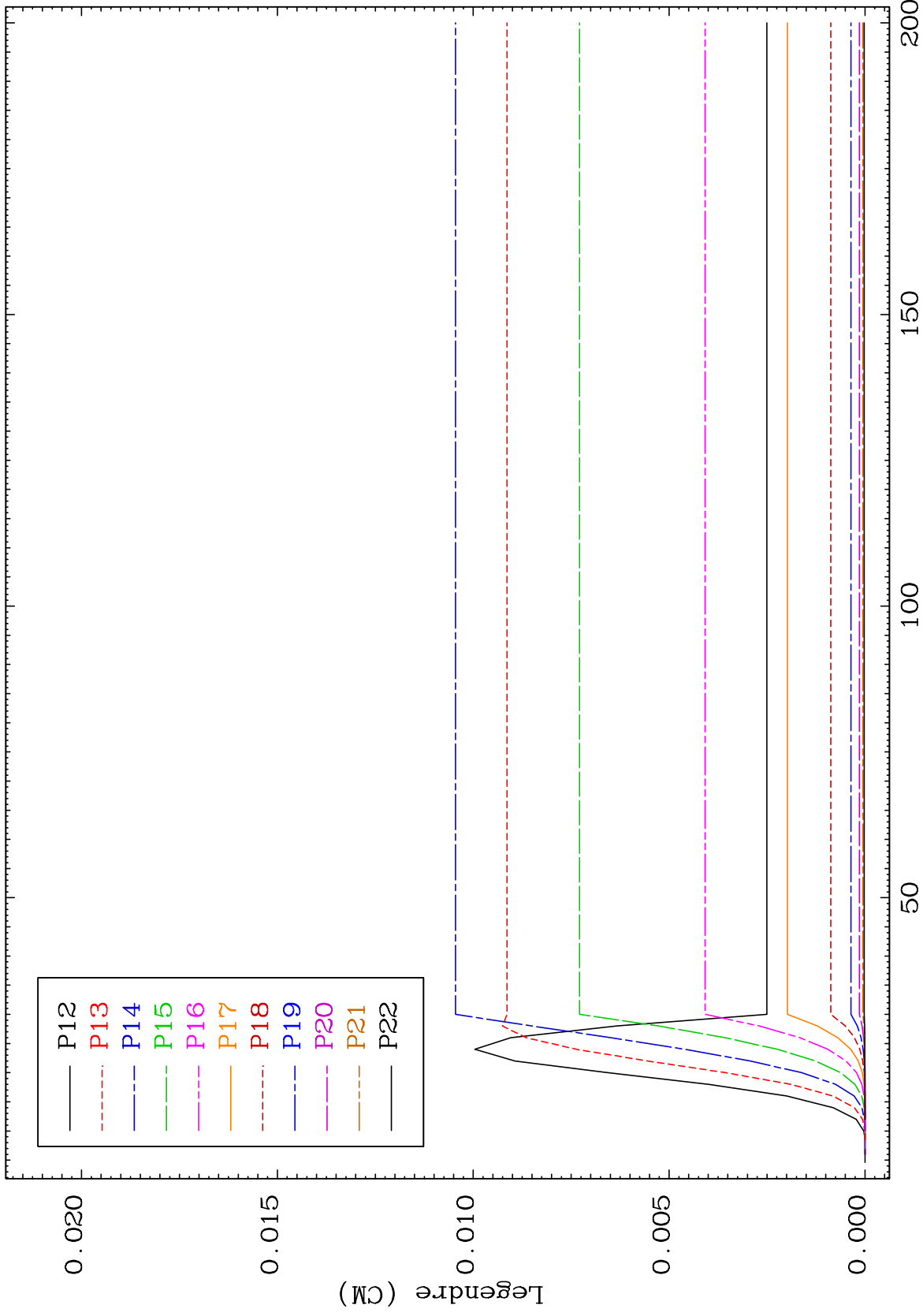




MAT 2519

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

25-Mn-53



98

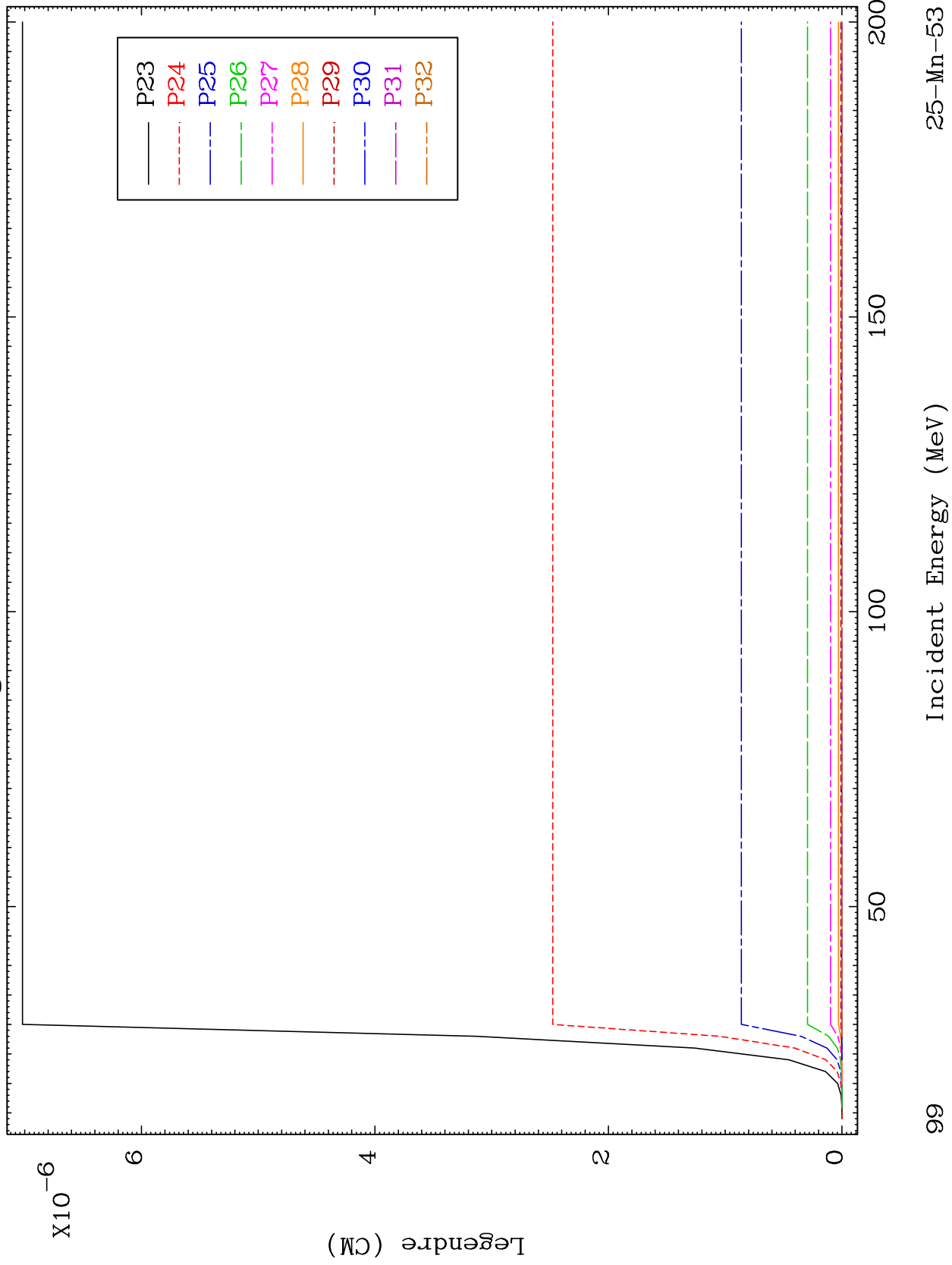
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

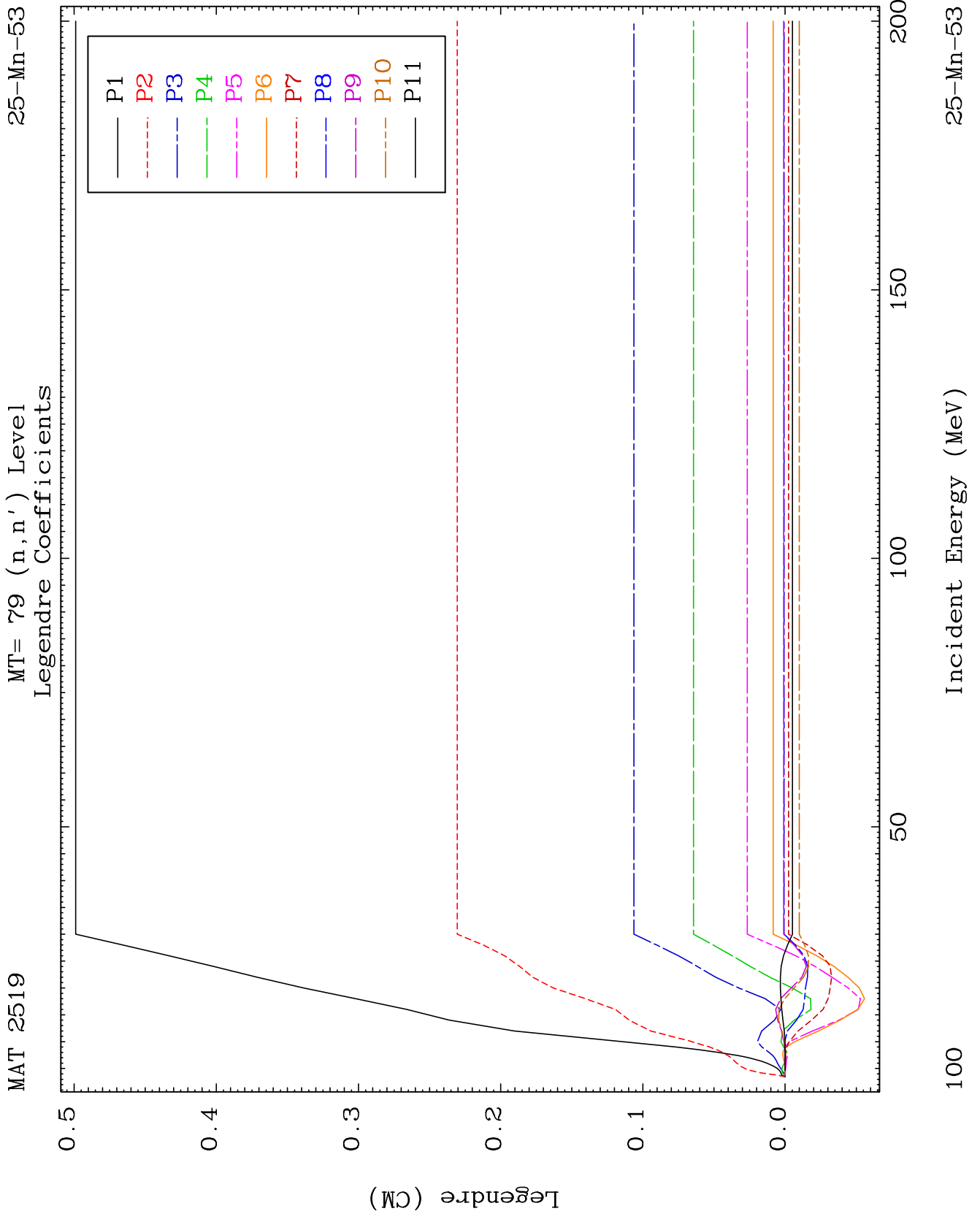
25-Mn-53



99

Incident Energy (MeV)

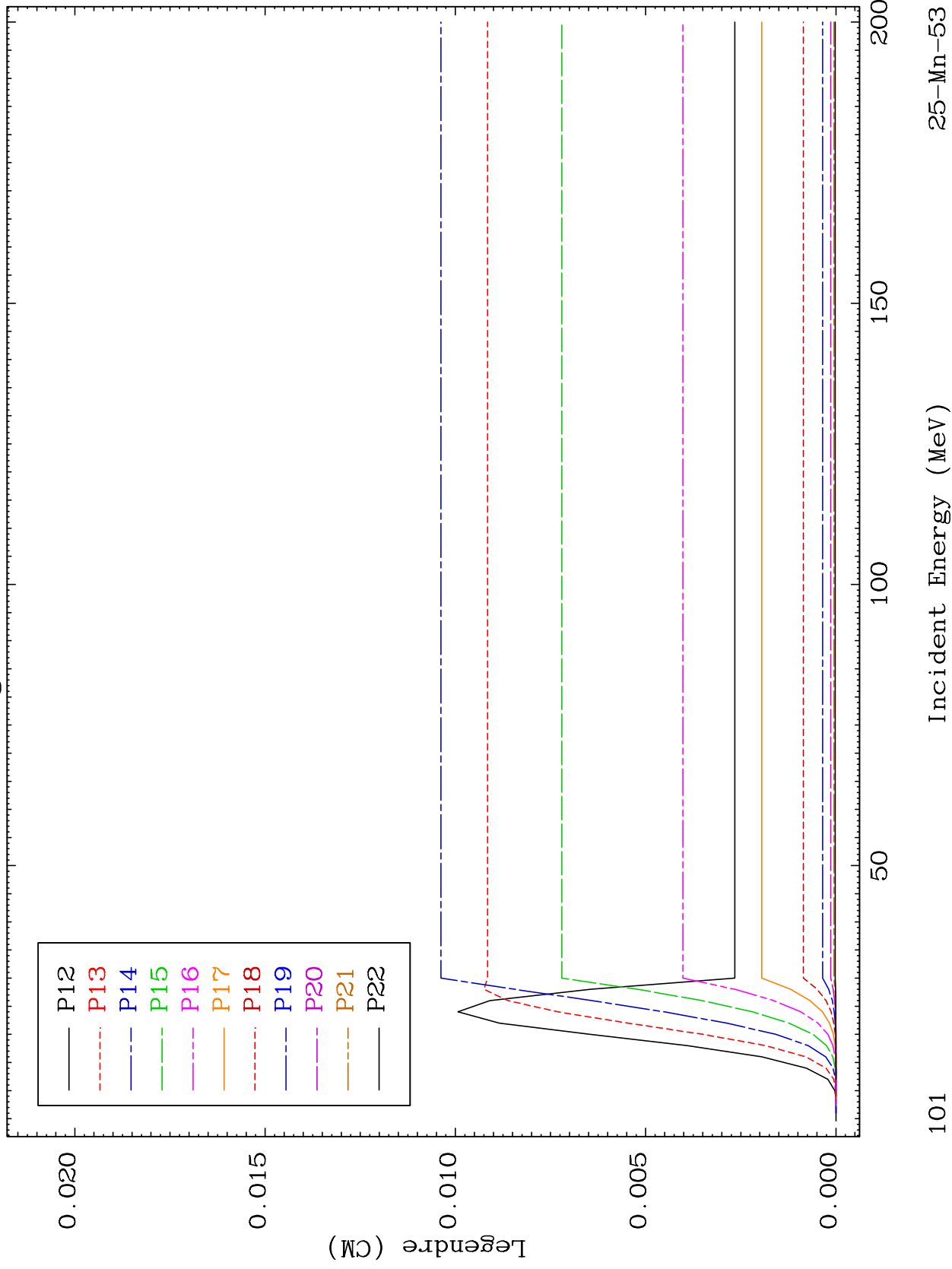
25-Mn-53



MAT 2519

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

25-Mn-53

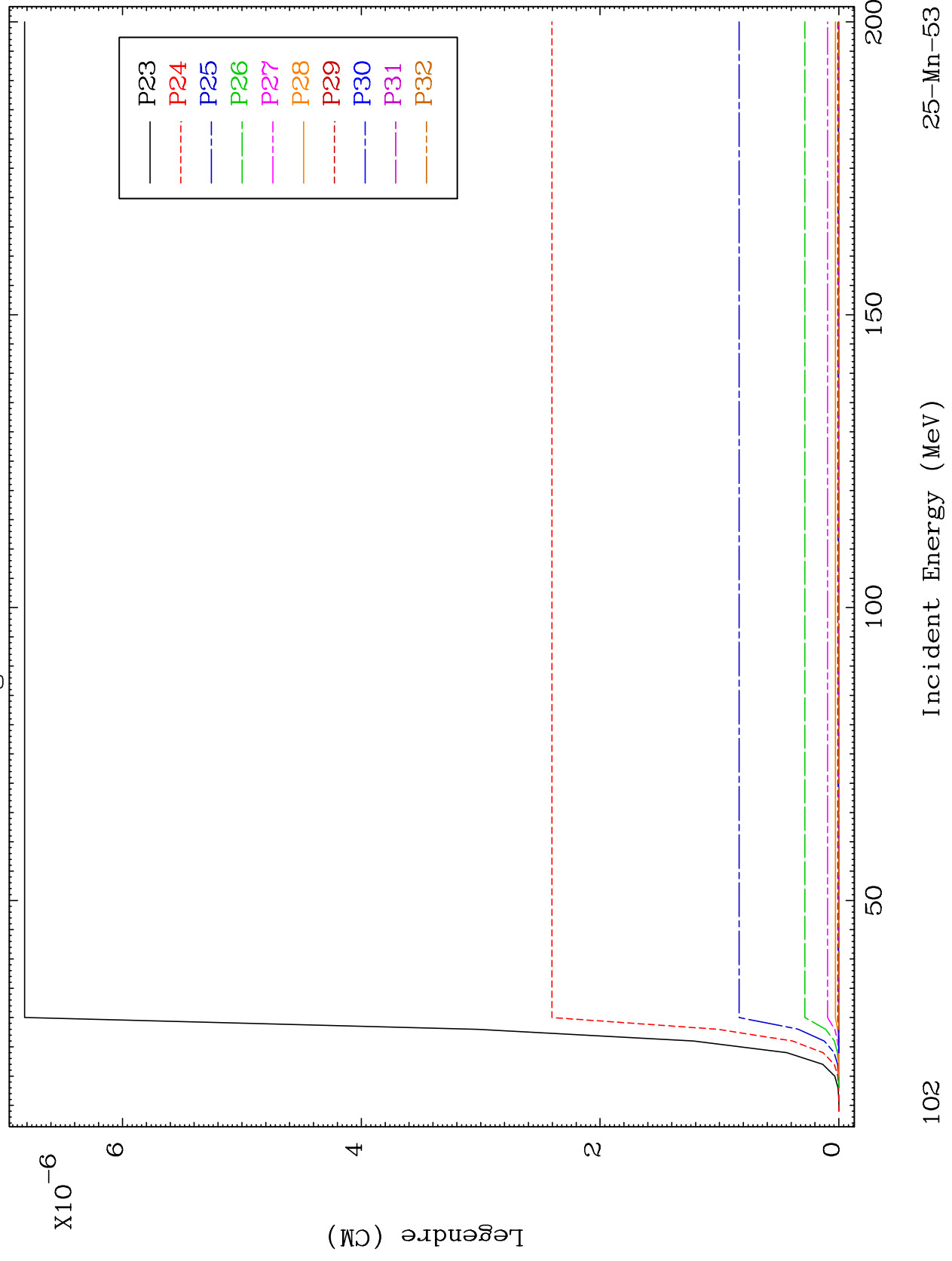


101

MAT 2519

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

25-Mn-53



25-Mn-53

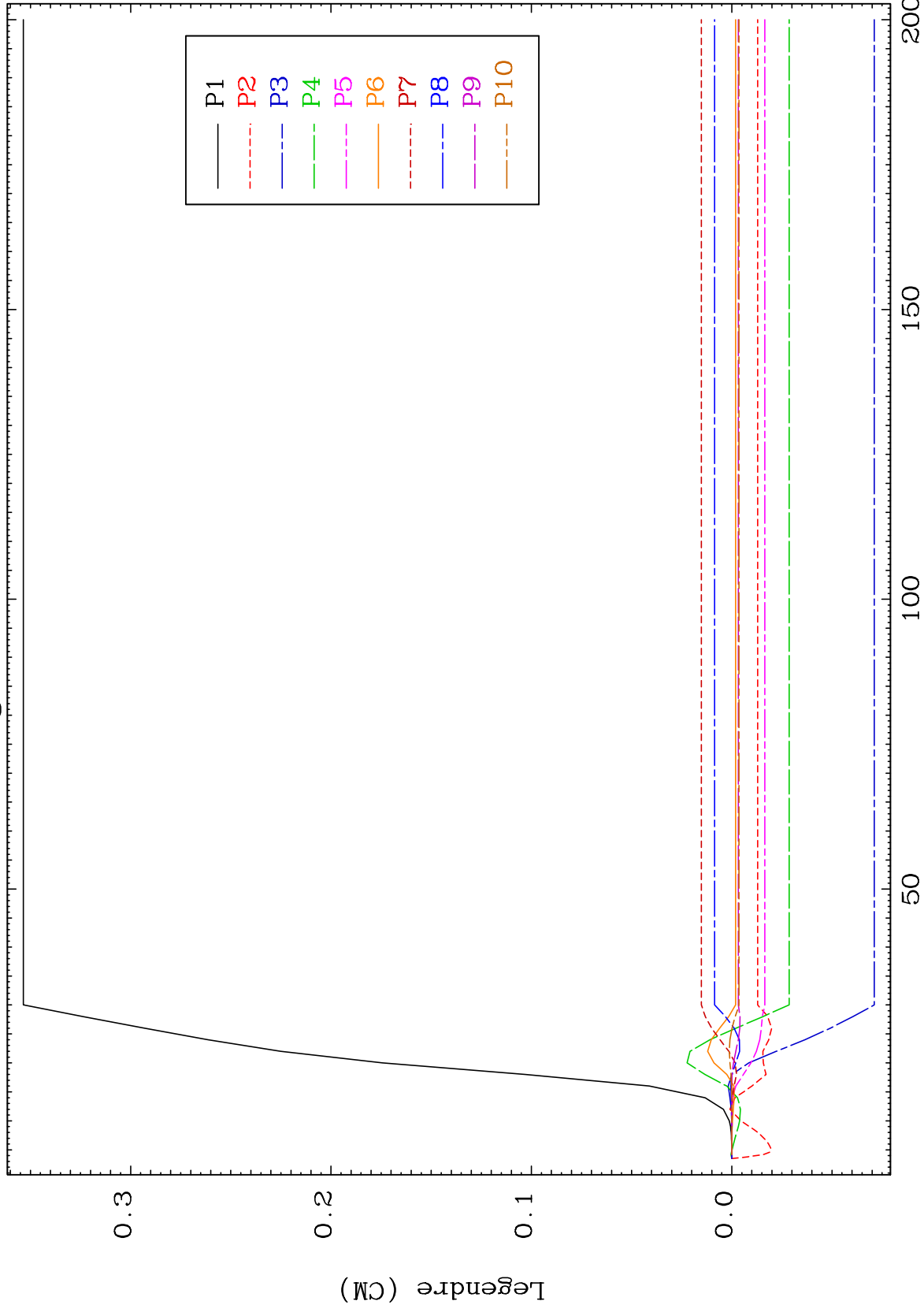
Incident Energy (MeV)

102

MAT 2519

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

25-Mn-53

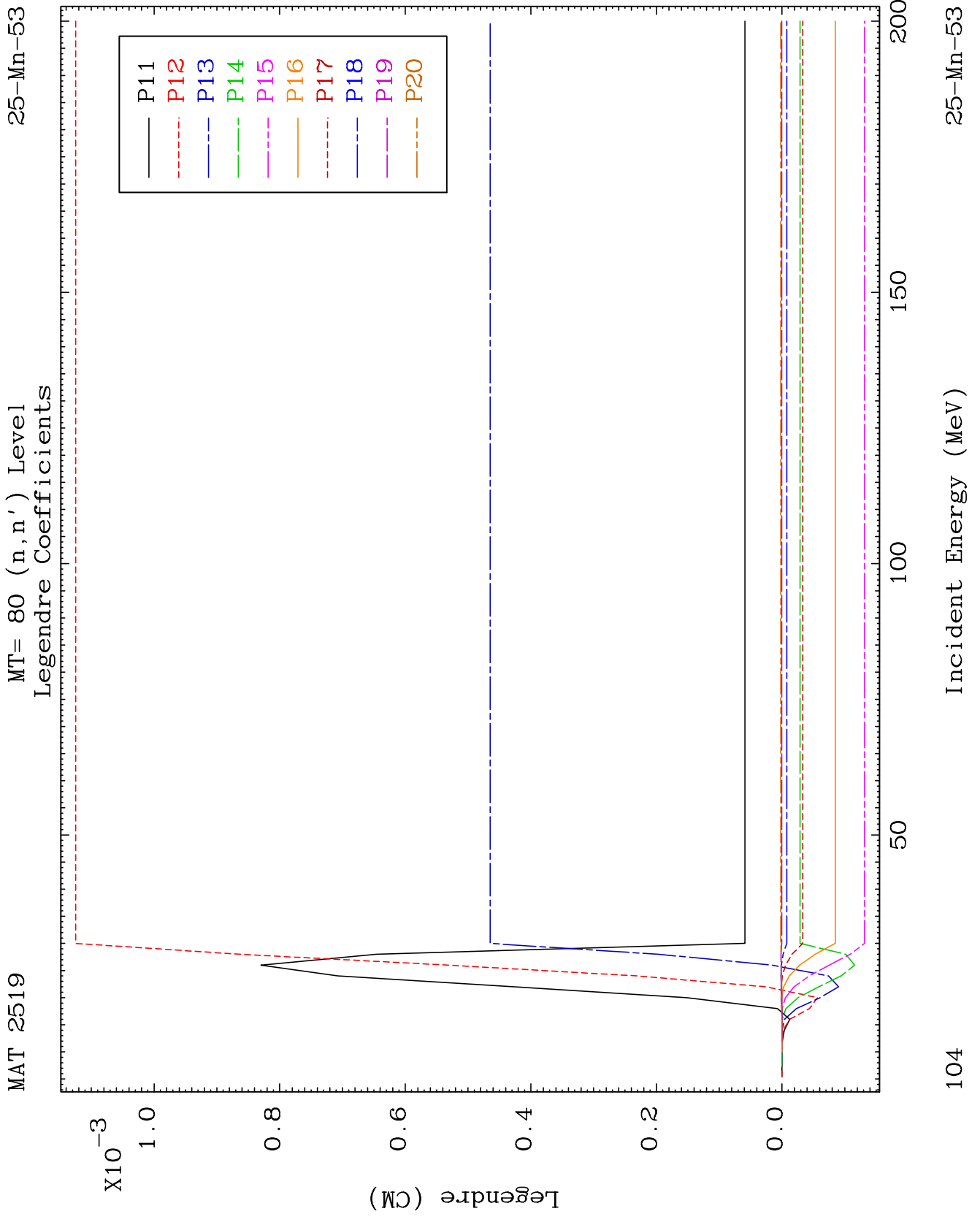


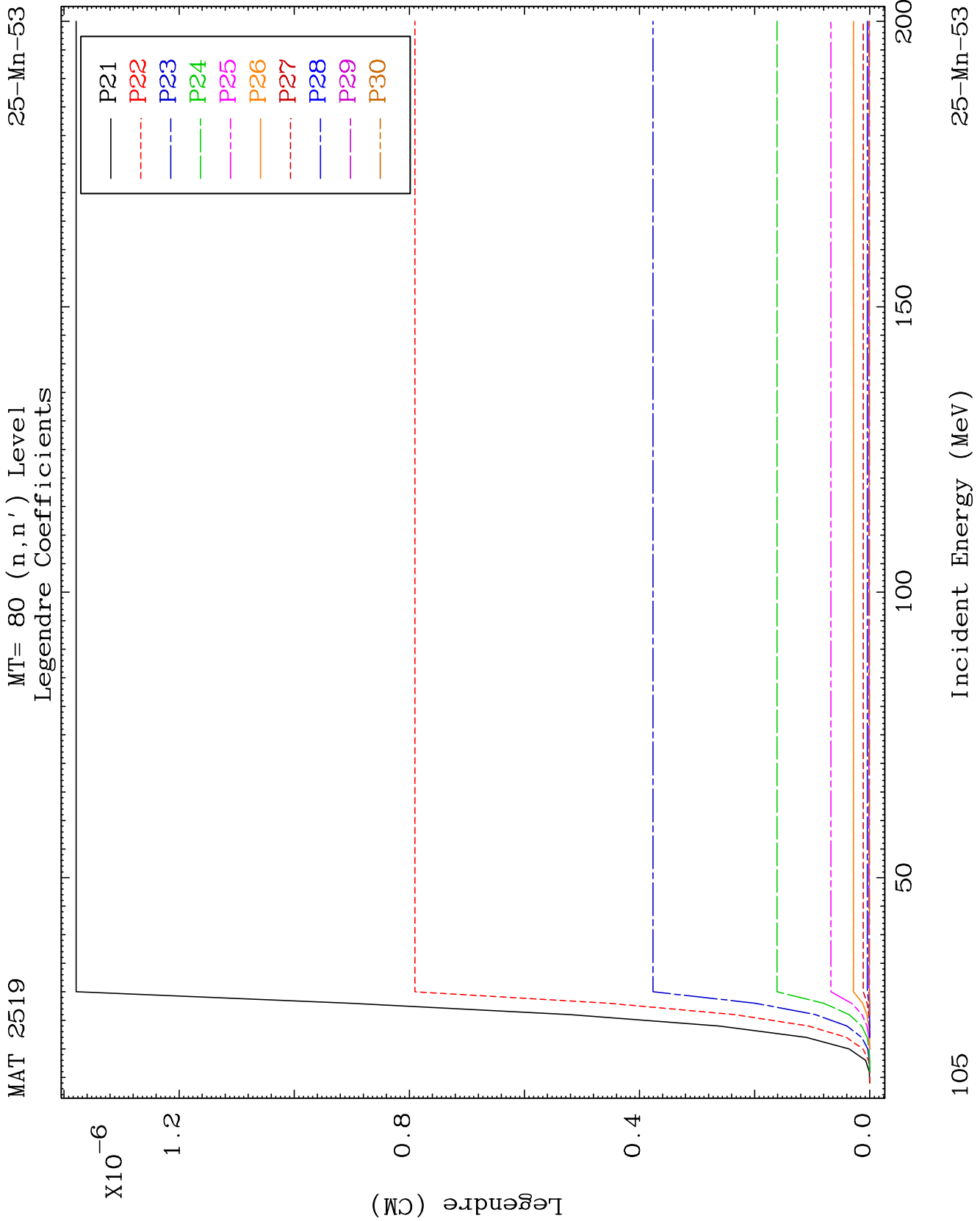
103

Incident Energy (MeV)

25-Mn-53





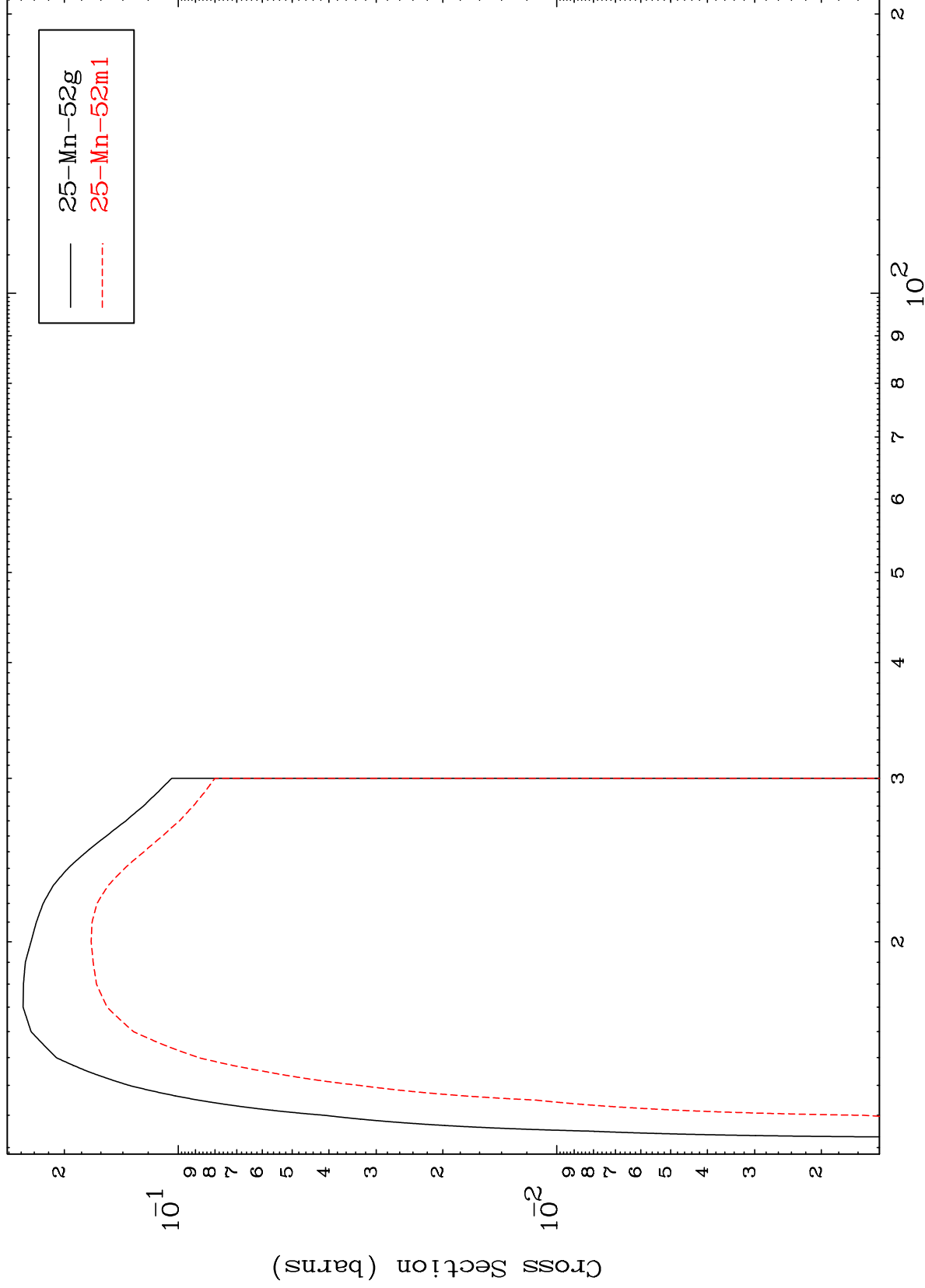


MAT 2519

(n,2n)

25-Mn-53

Radionuclide Production Cross Section



106

Incident Energy (MeV)

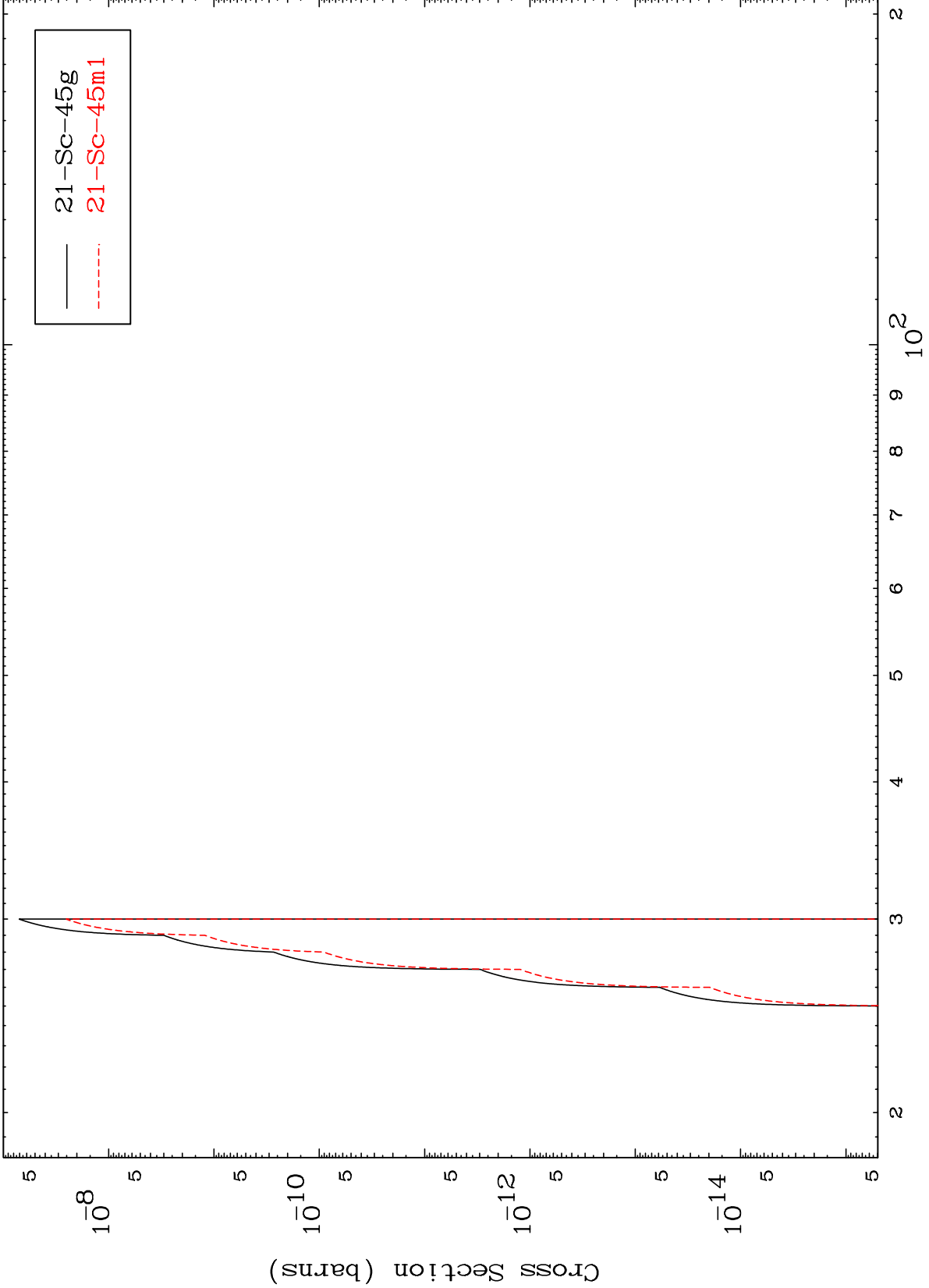
25-Mn-53

MAT 2519

(n,n') 2α

25-Mn-53

Radionuclide Production Cross Section



21-Sc-45g  
21-Sc-45m1

107

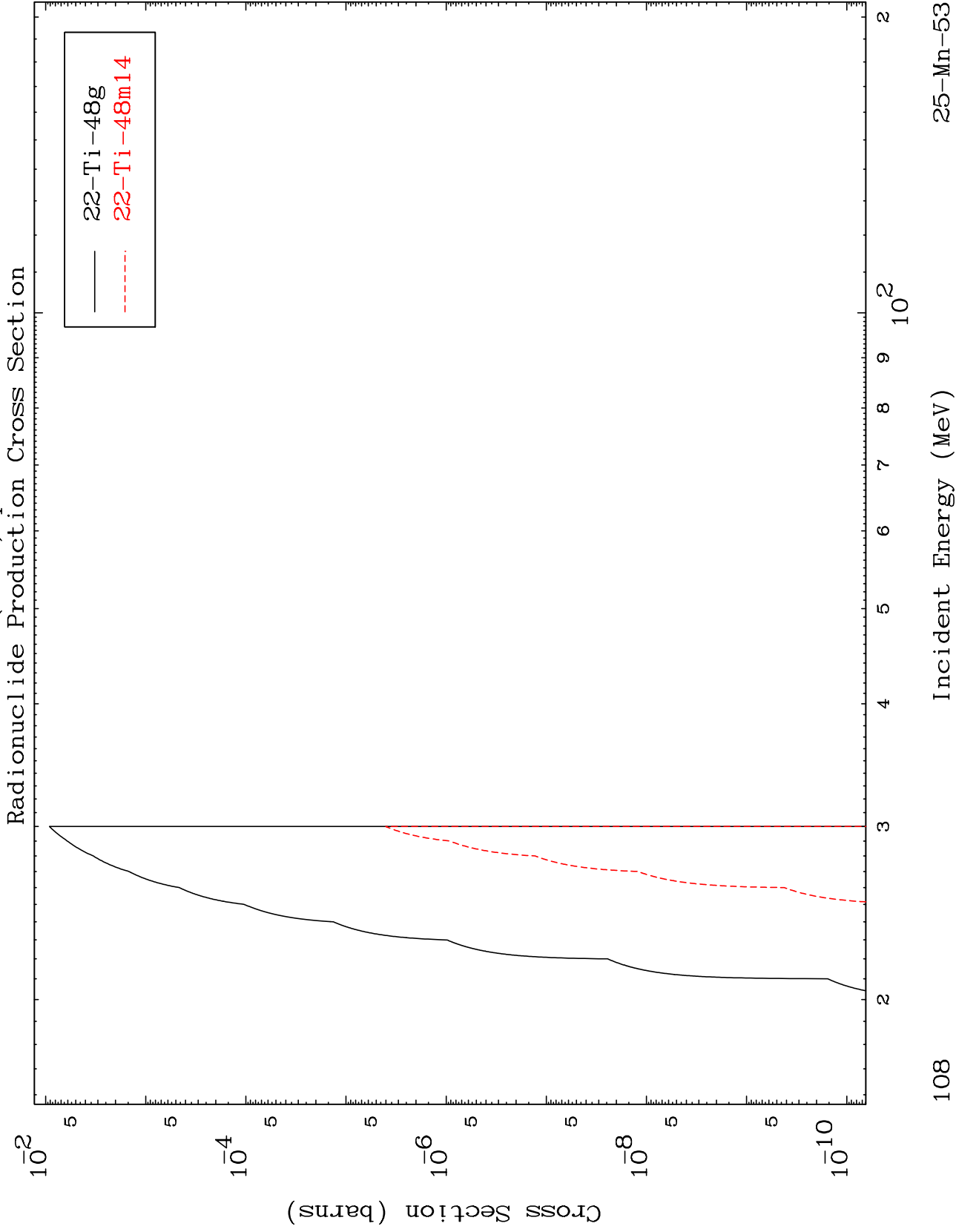
Incident Energy (MeV)

25-Mn-53

MAT 2519

(n,n') p  $\alpha$

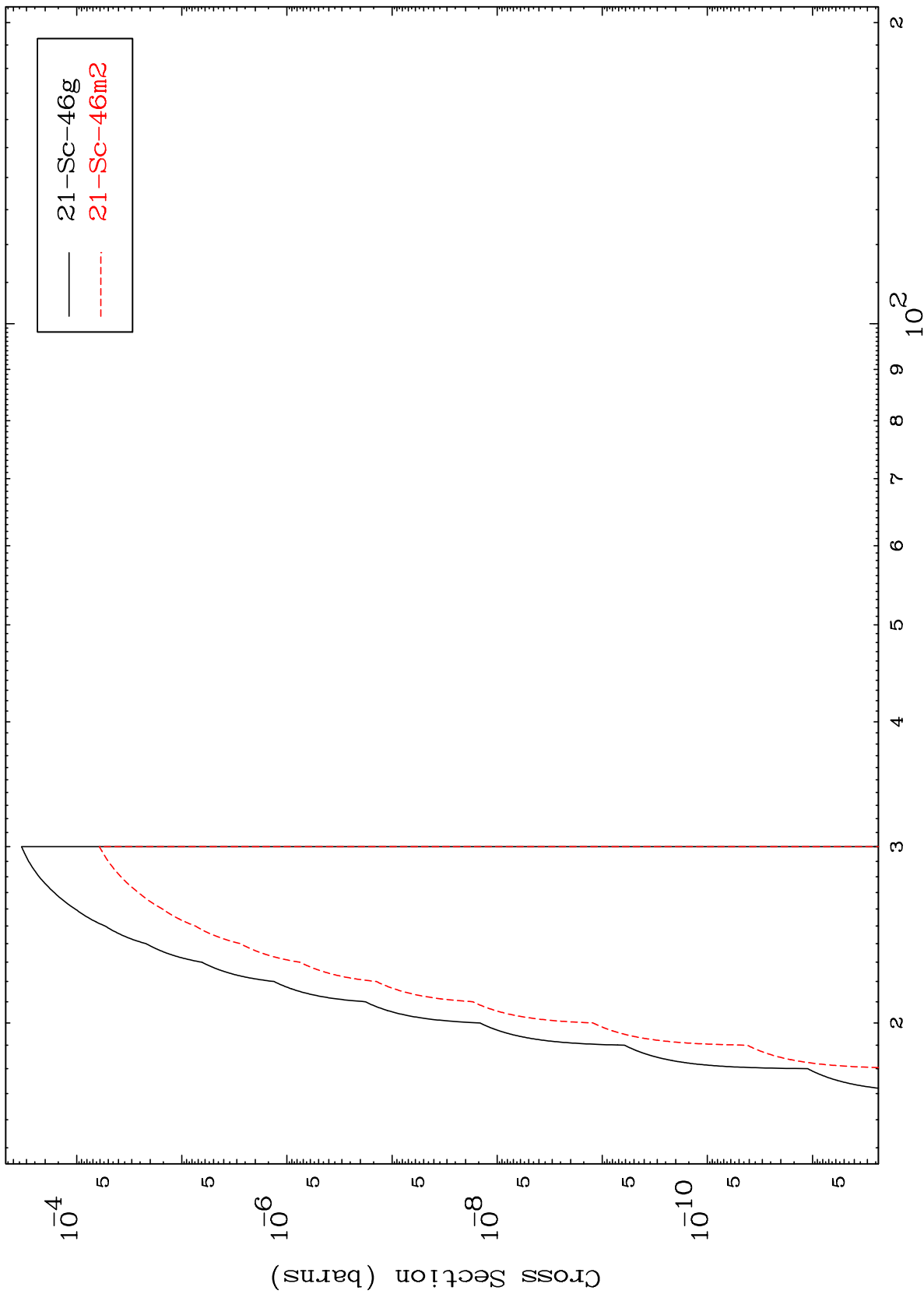
25-Mn-53



108

25-Mn-53

(n,2α)  
Radionuclide Production Cross Section

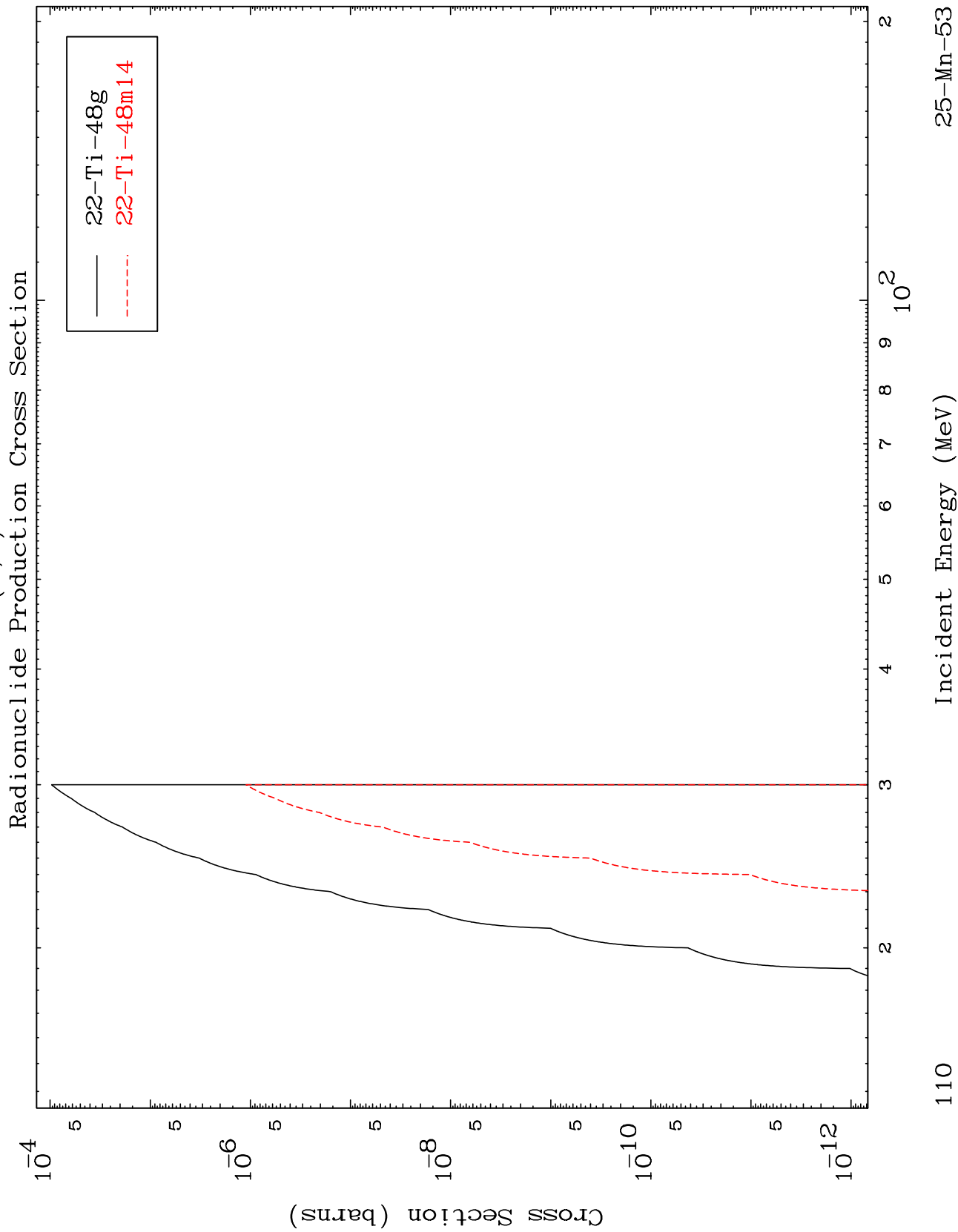


— 21-Sc-46g  
- - - 21-Sc-46m2

MAT 2519

(n,d)  $\alpha$

25-Mn-53



110