

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

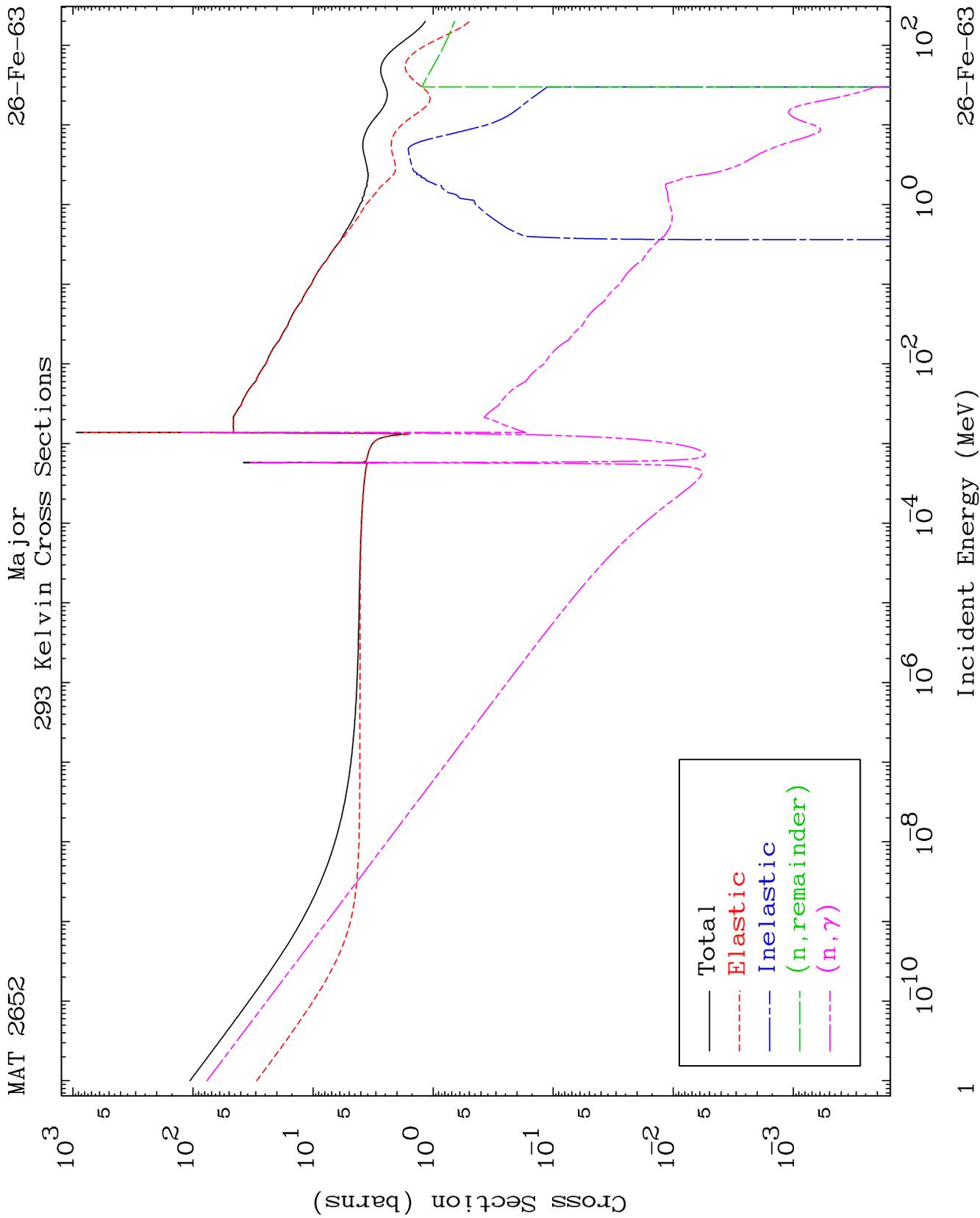
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

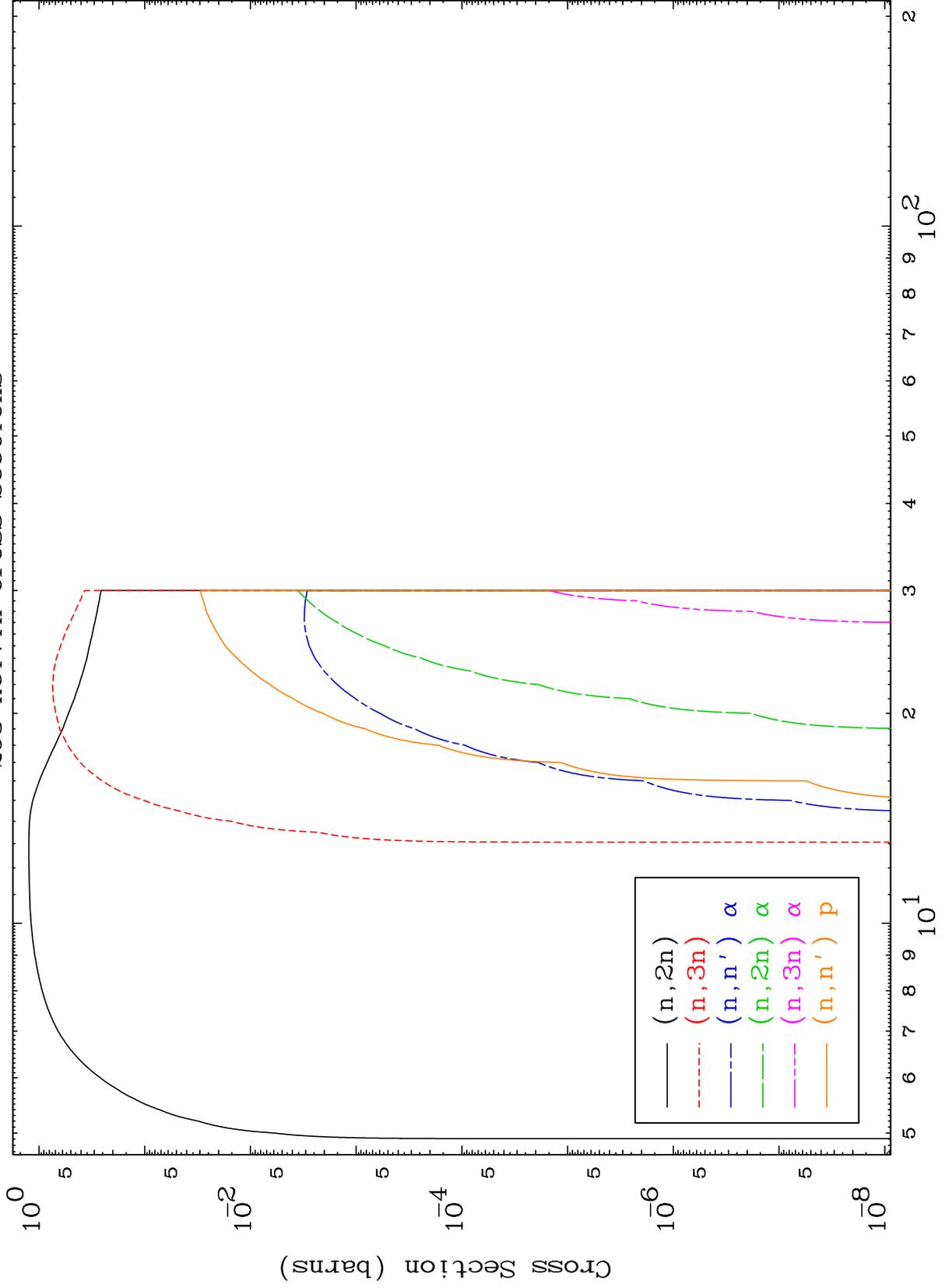
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MAT 2652

Neutron Production  
293 Kelvin Cross Sections

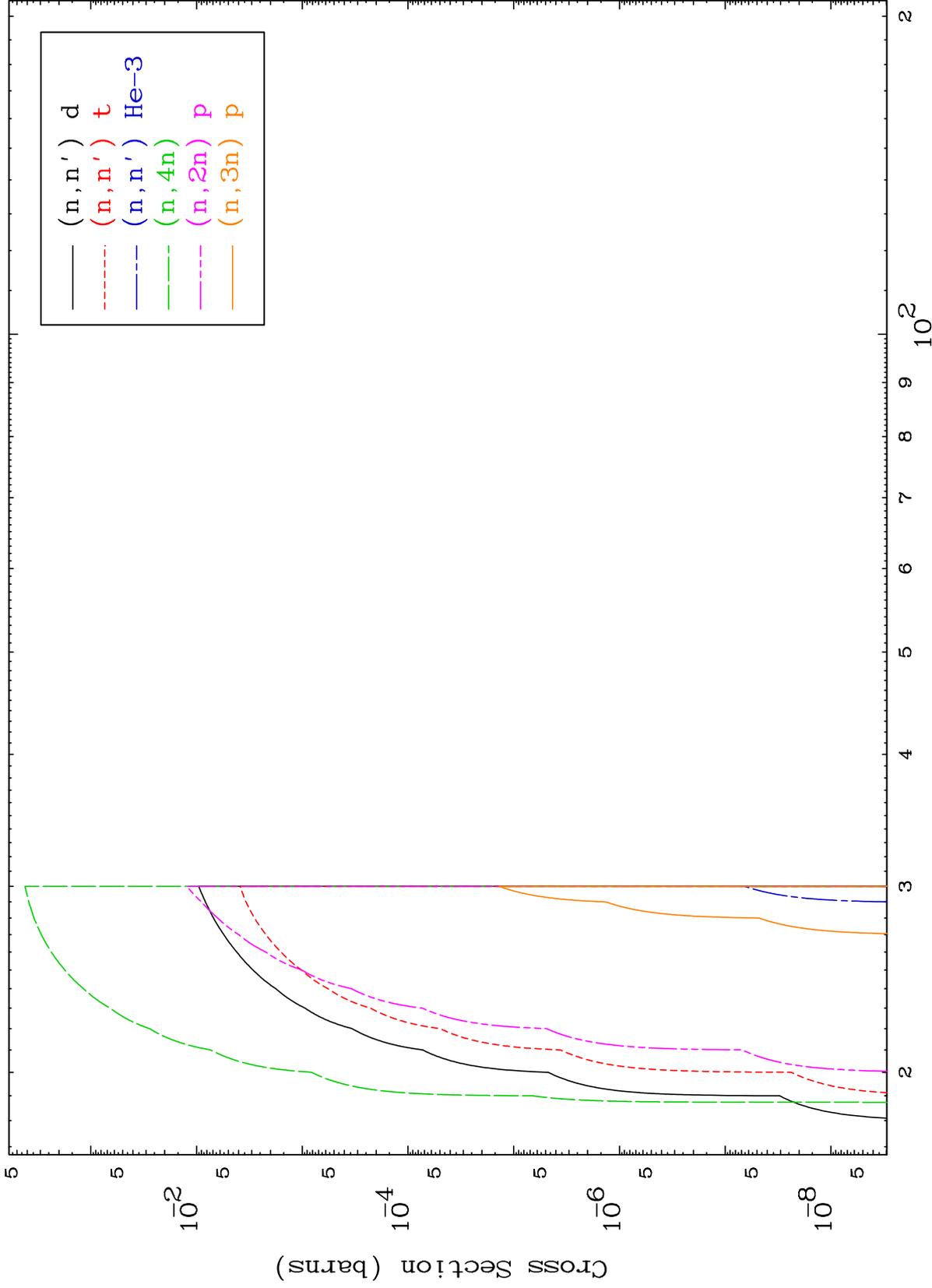
26-Fe-63



Incident Energy (MeV)

26-Fe-63

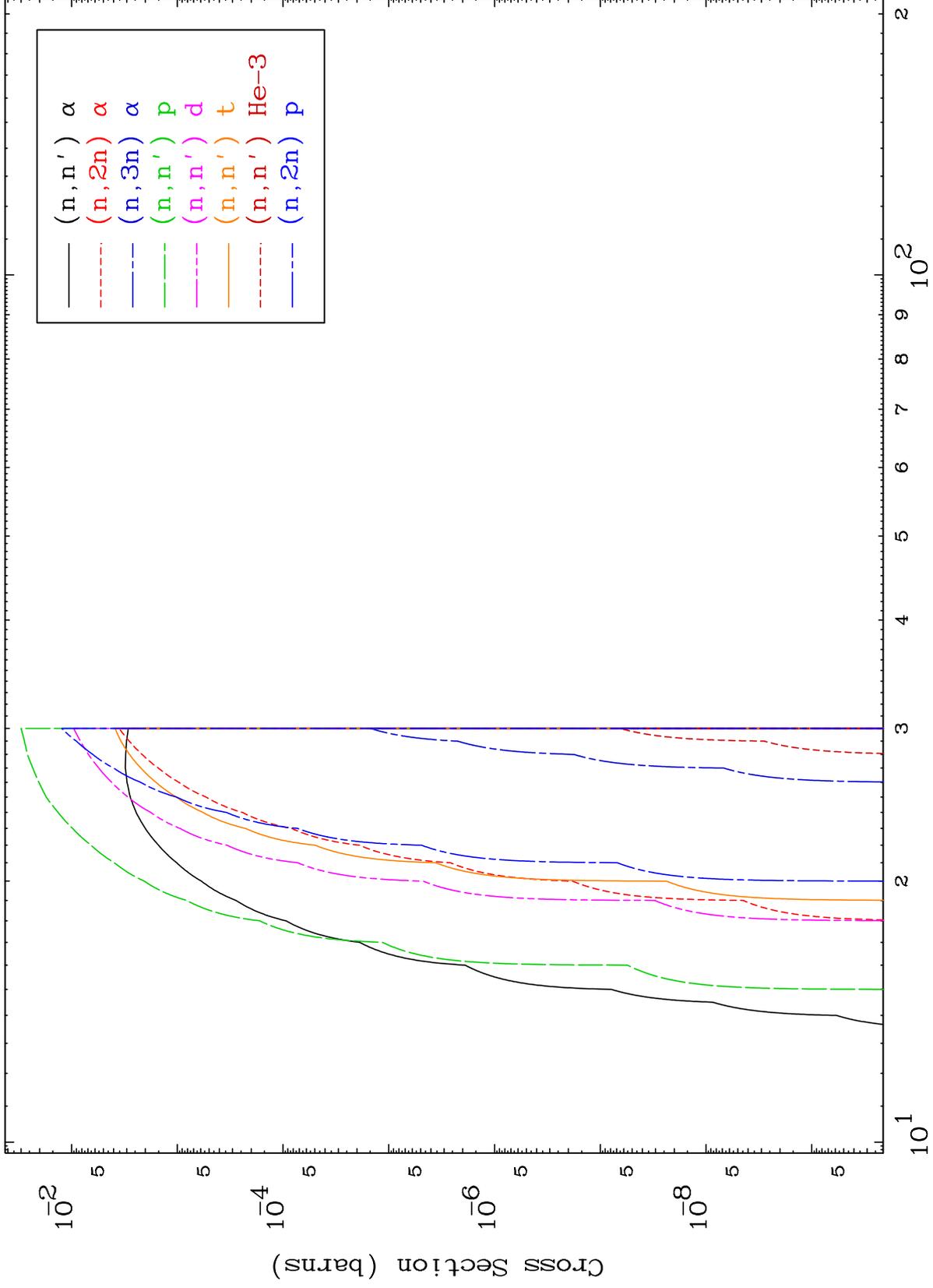
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MAT 2652

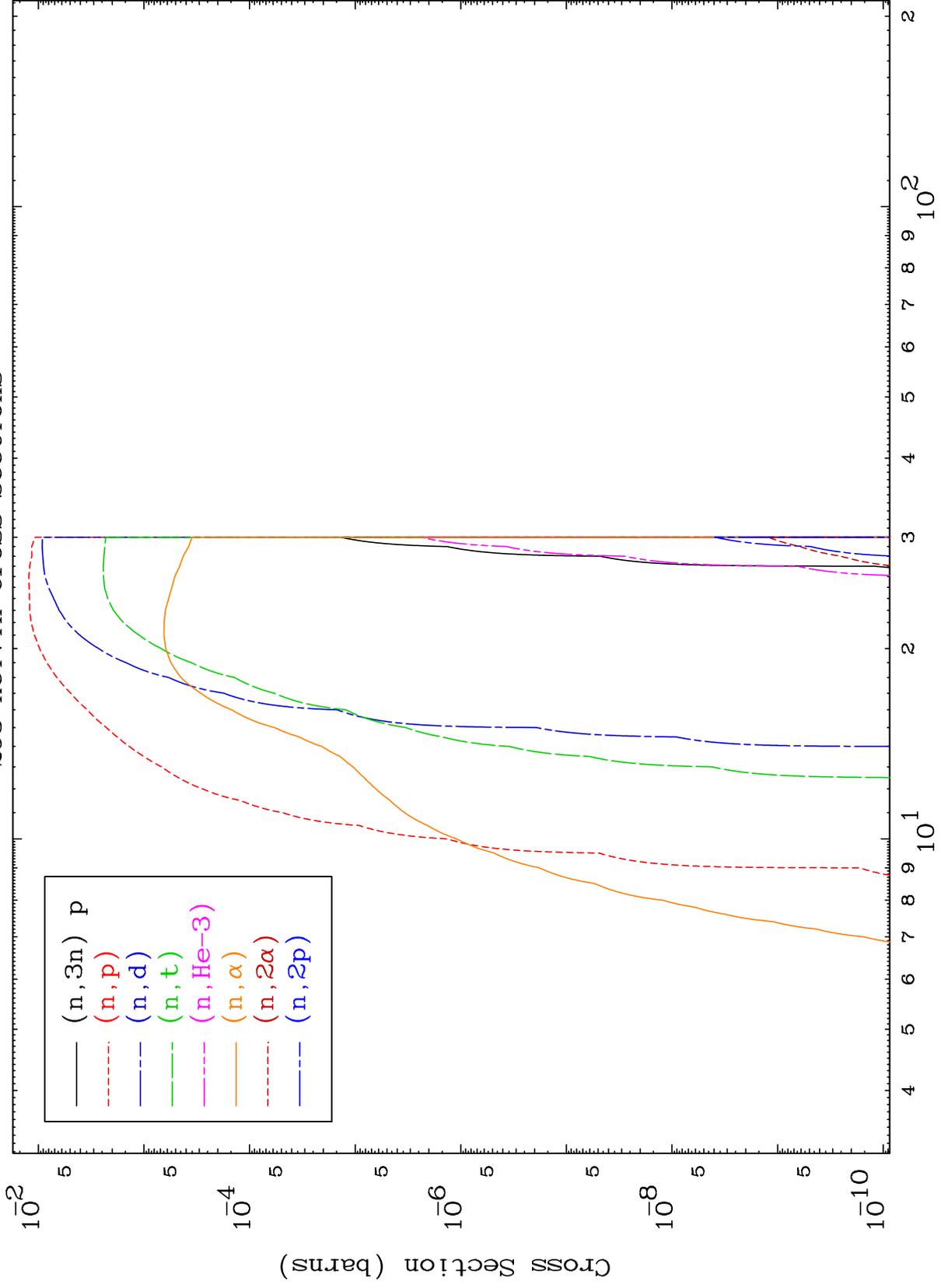
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293 Kelvin Cross Sections

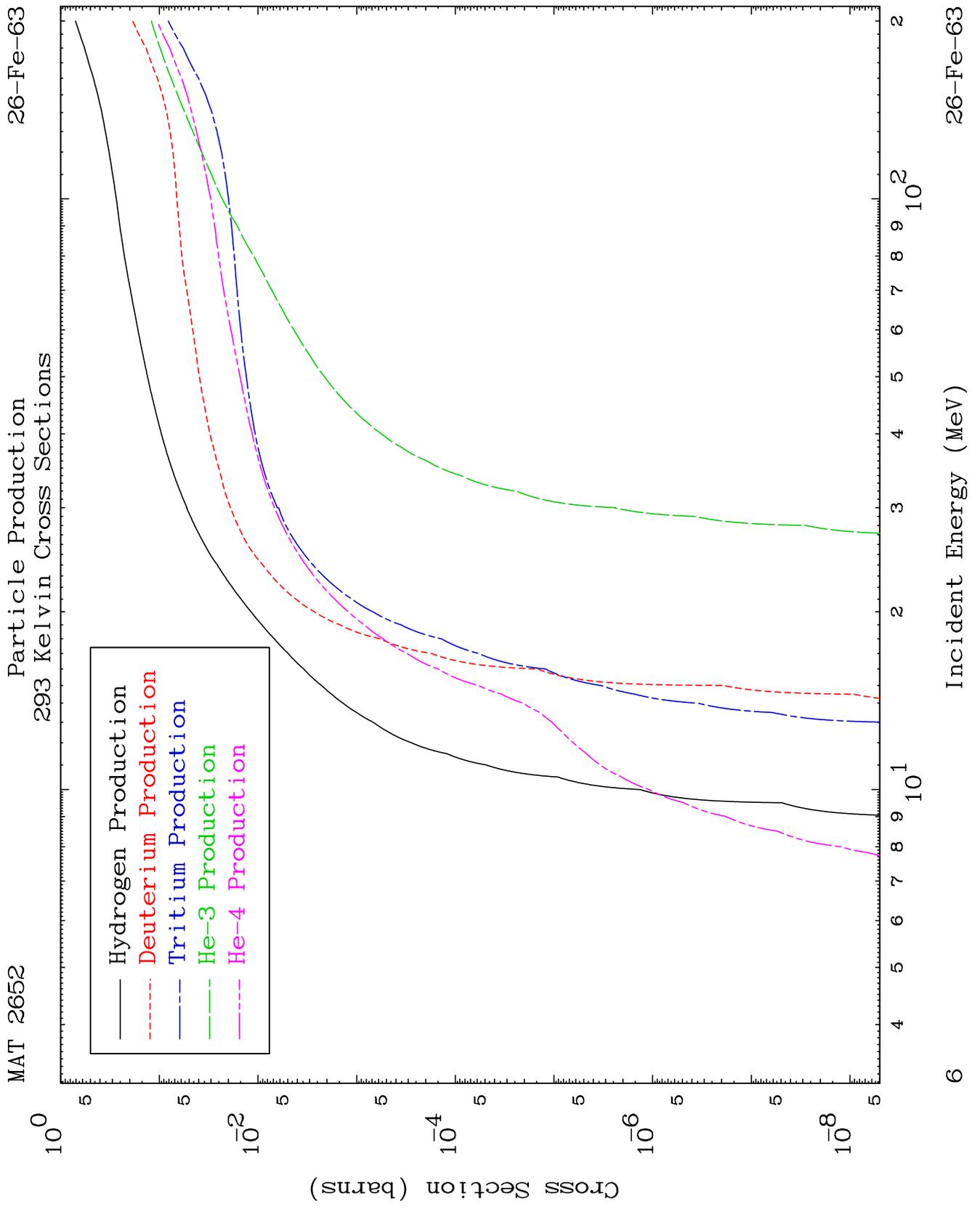
26-Fe-63



Incident Energy (MeV)

26-Fe-63



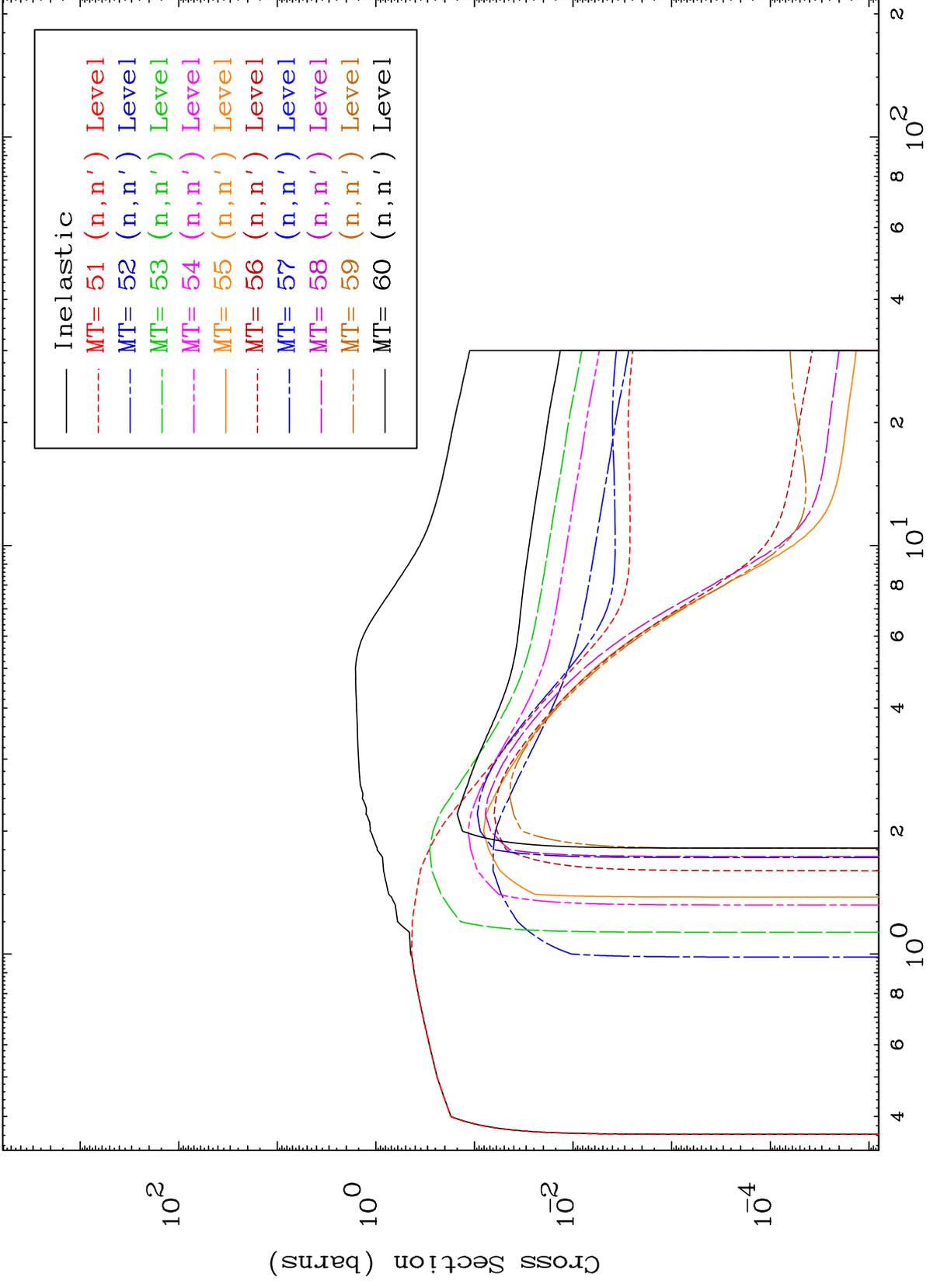


MAT 2652

(n,n') Level

26-Fe-63

293 Kelvin Cross Sections

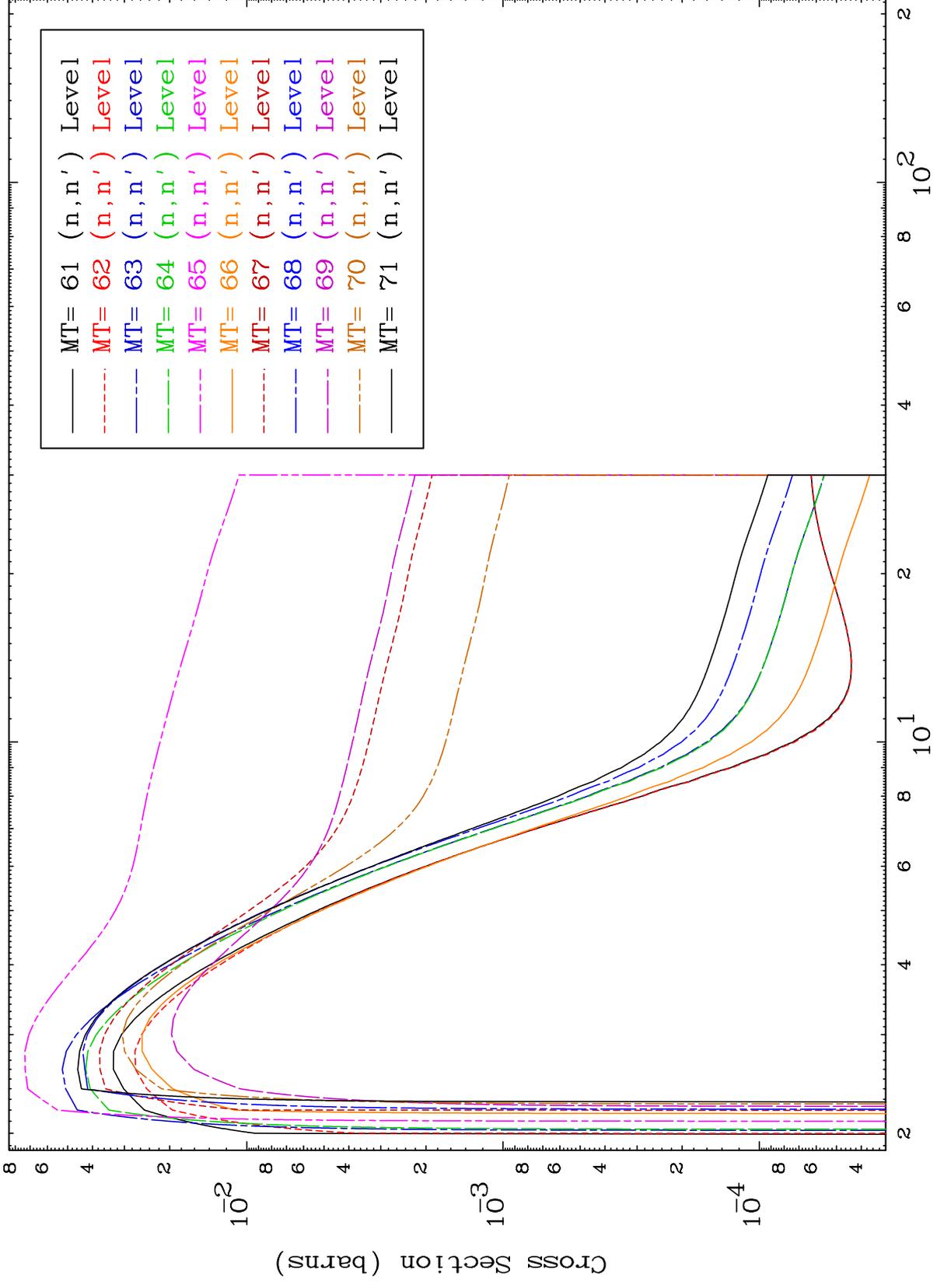


MAT 2652

(n,n') Level

26-Fe-63

293 Kelvin Cross Sections



Incident Energy (MeV)

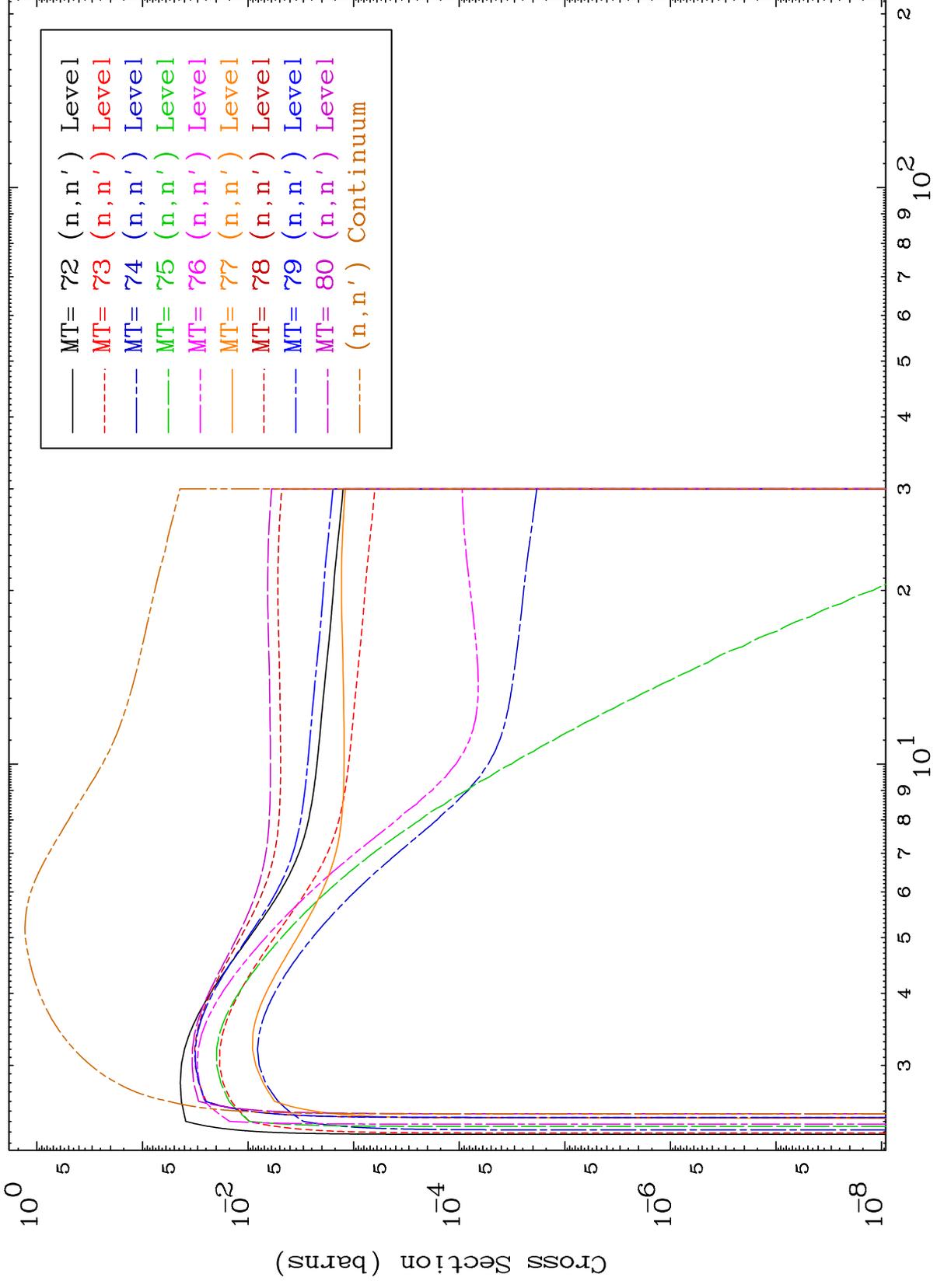
26-Fe-63

MAT 2652

(n,n') Level

26-Fe-63

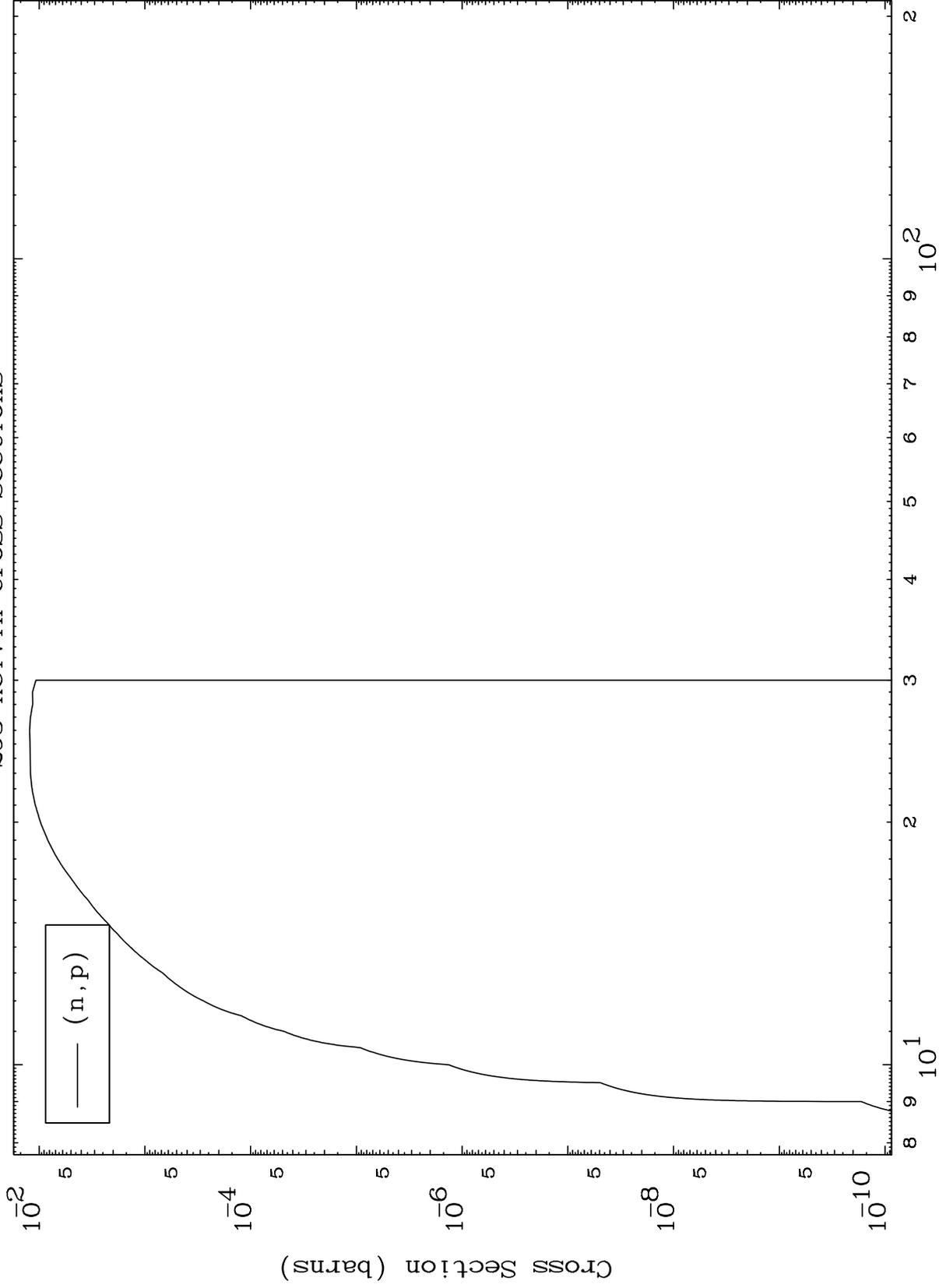
293 Kelvin Cross Sections



MAT 2652

(n,p) Levels  
293 Kelvin Cross Sections

26-Fe-63



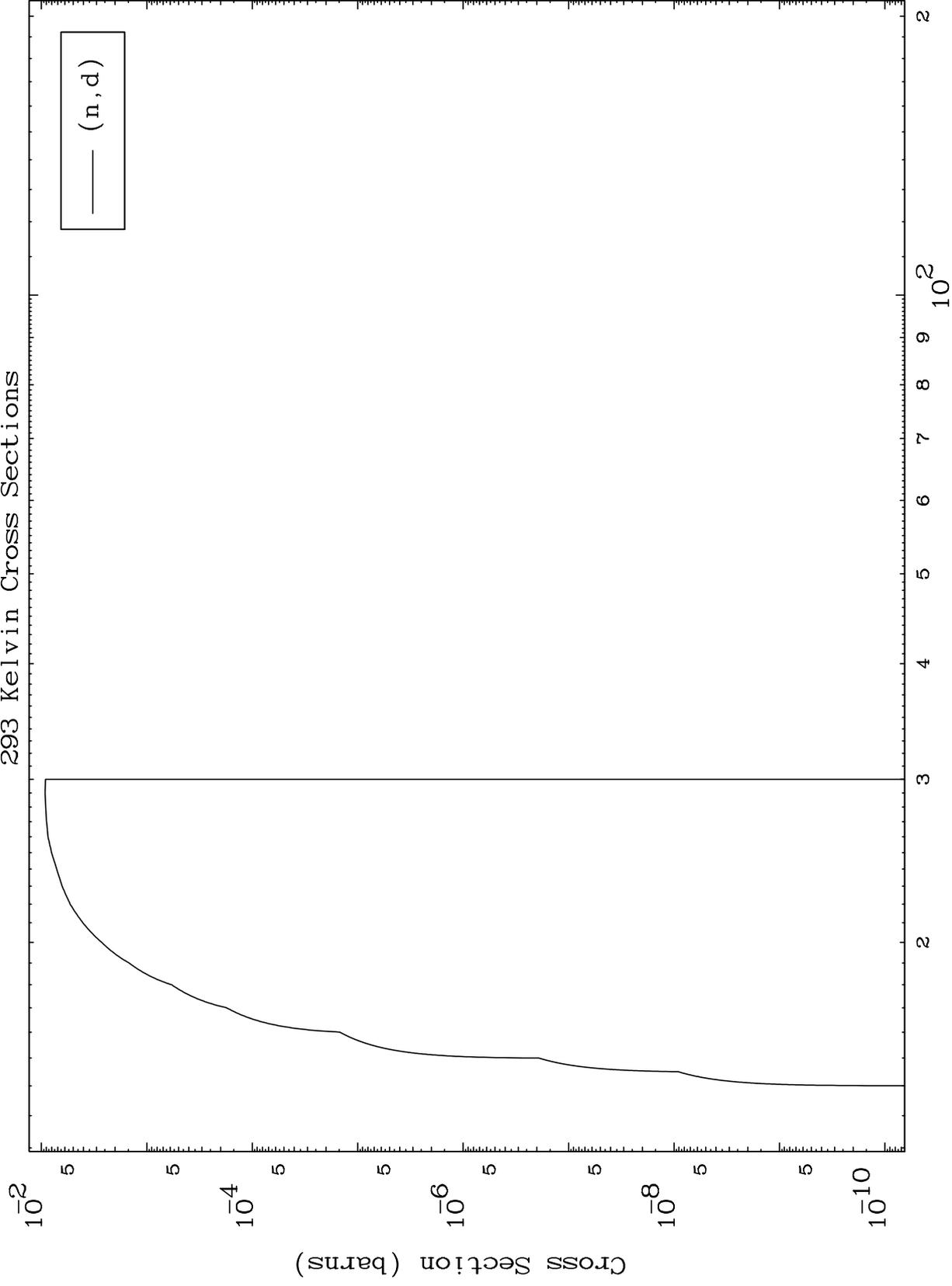
Incident Energy (MeV)

26-Fe-63

MAT 2652

(n,d) Levels  
293 Kelvin Cross Sections

26-Fe-63



11

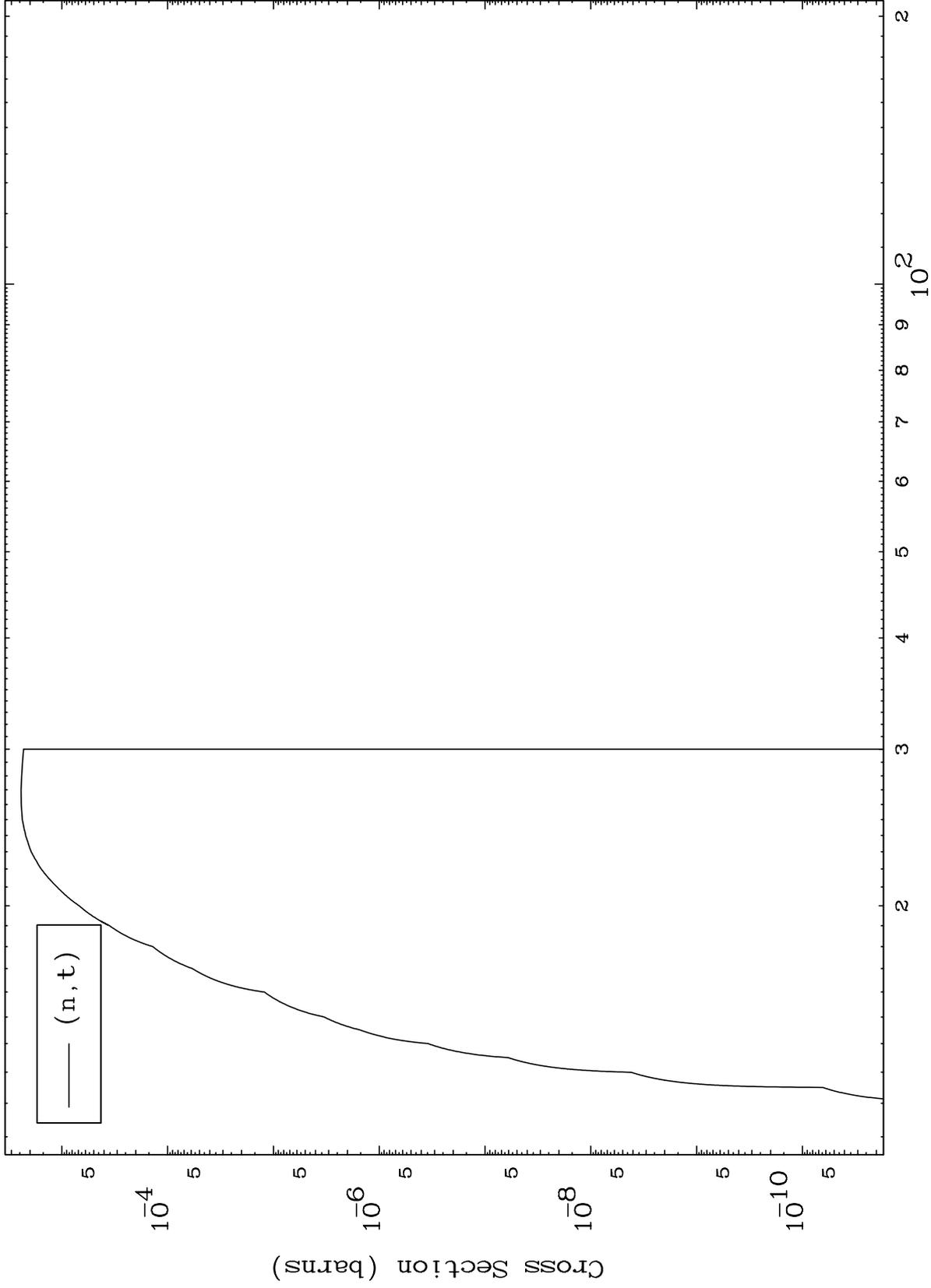
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26-Fe-63

MAT 2652

(n,t) Levels  
293 Kelvin Cross Sections

26-Fe-63



12

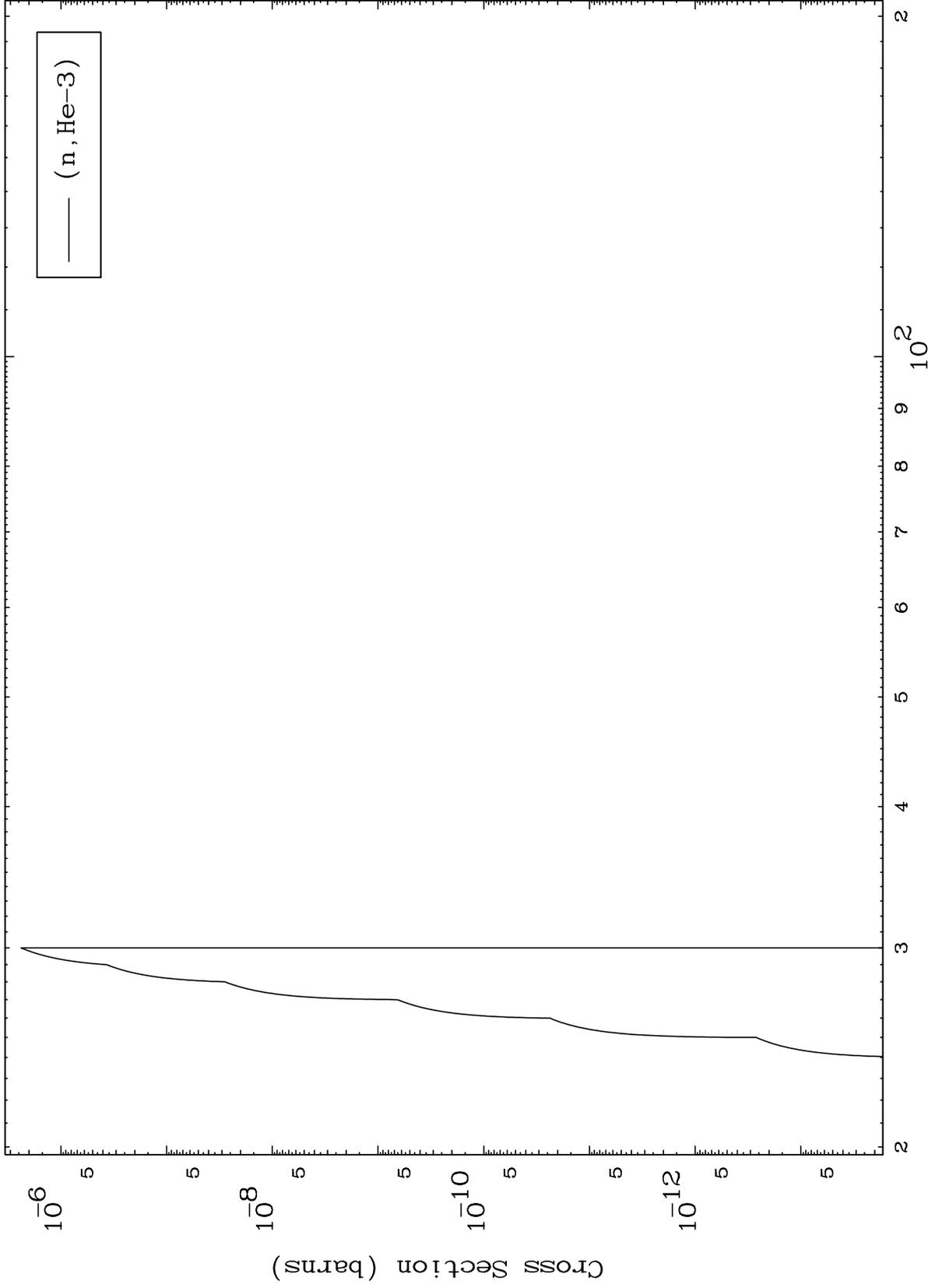
Incident Energy (MeV)

26-Fe-63

MAT 2652

(n,He3) Levels  
293 Kelvin Cross Sections

26-Fe-63



13

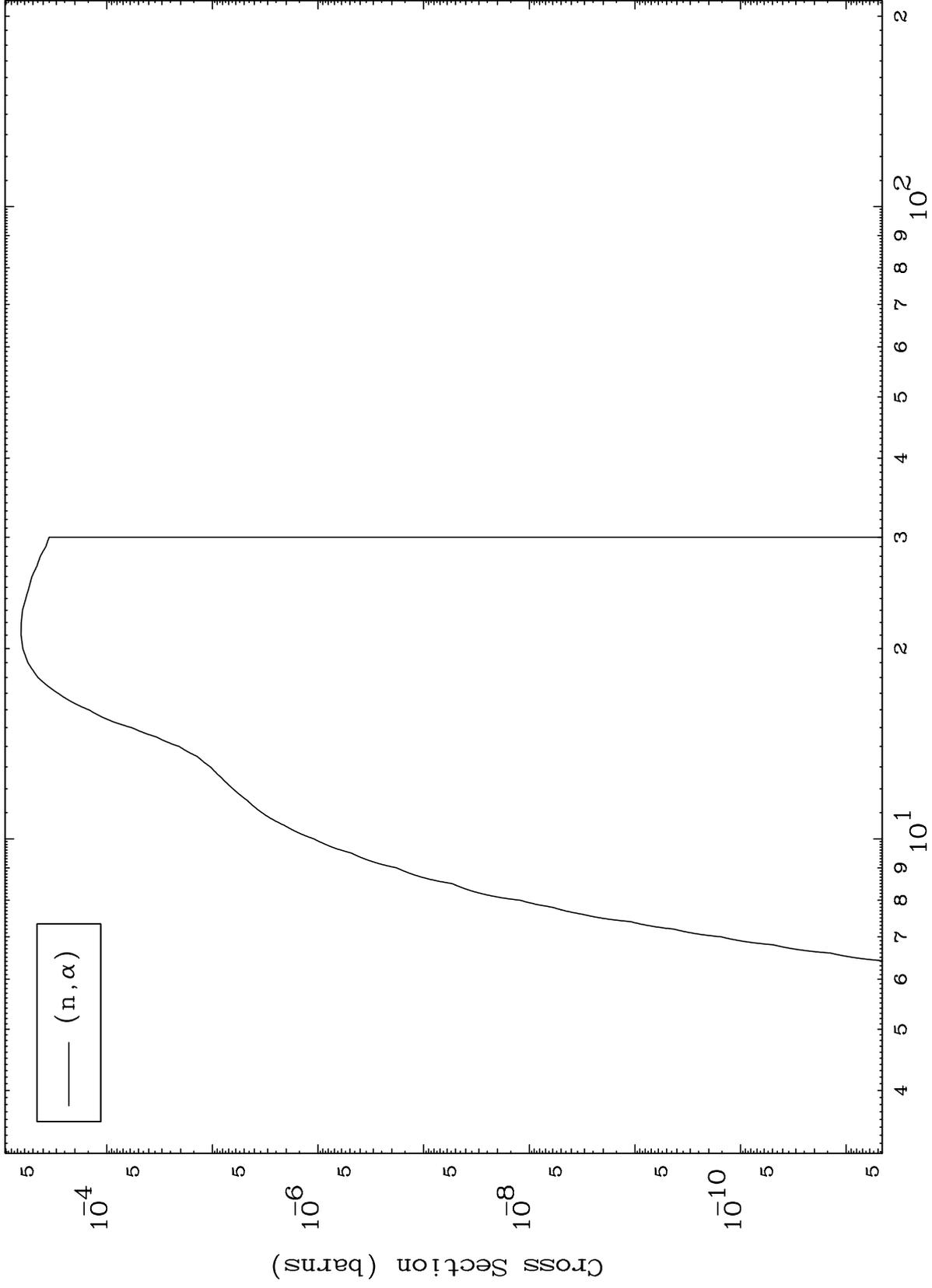
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

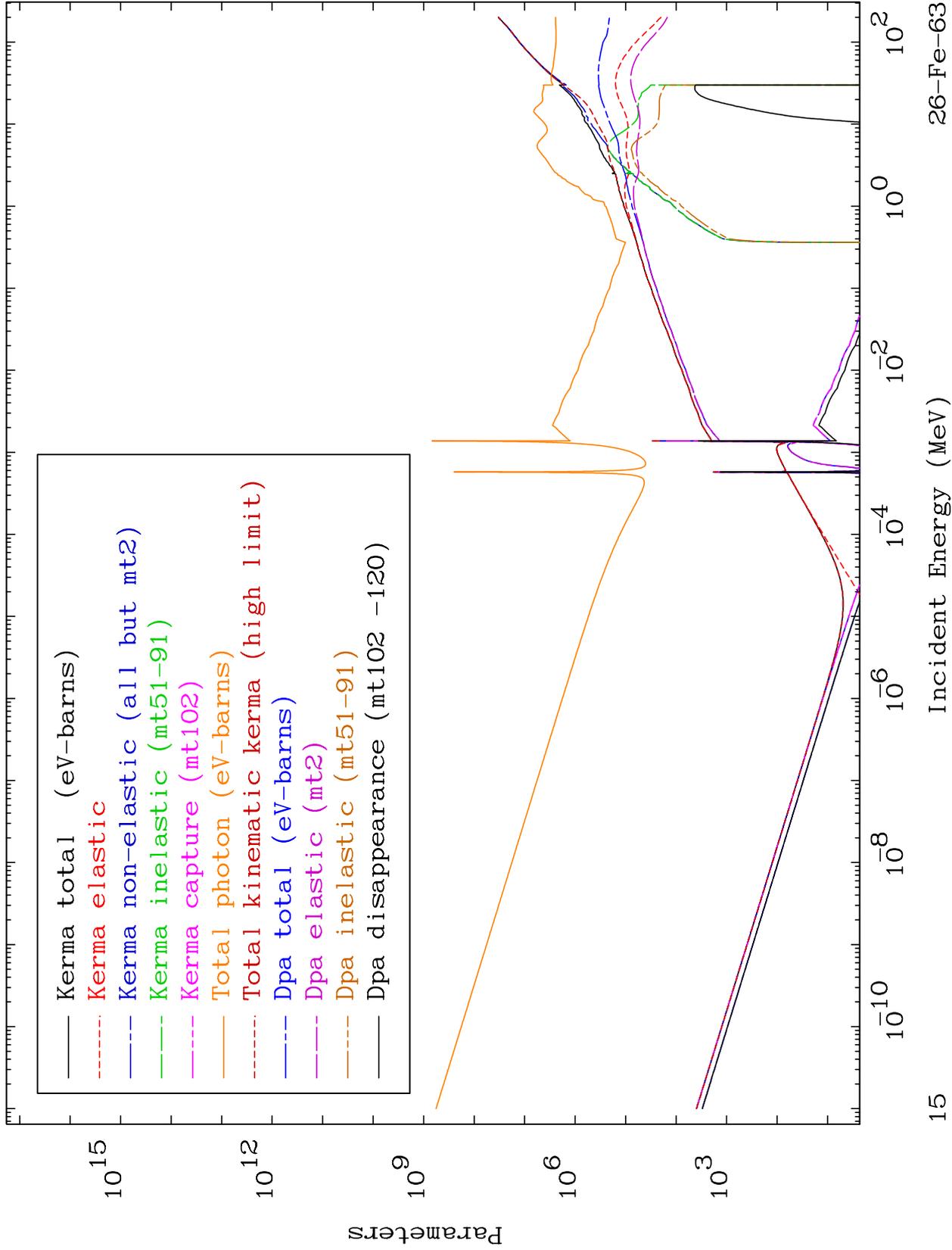
26-Fe-63



14

Incident Energy (MeV)

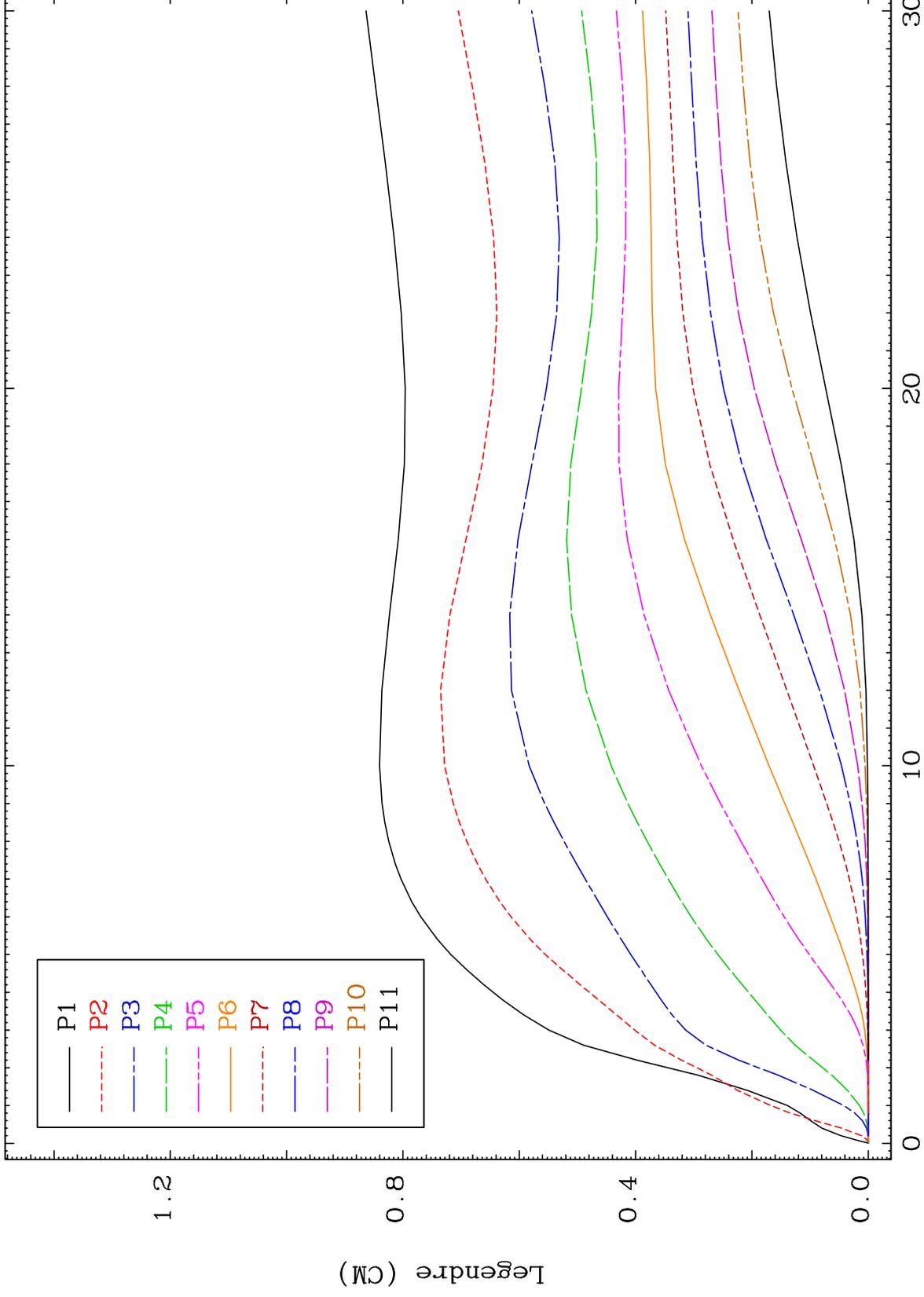
26-Fe-63



MAT 2652

Elastic Legendre Coefficients

<sup>26</sup>Fe-63



16

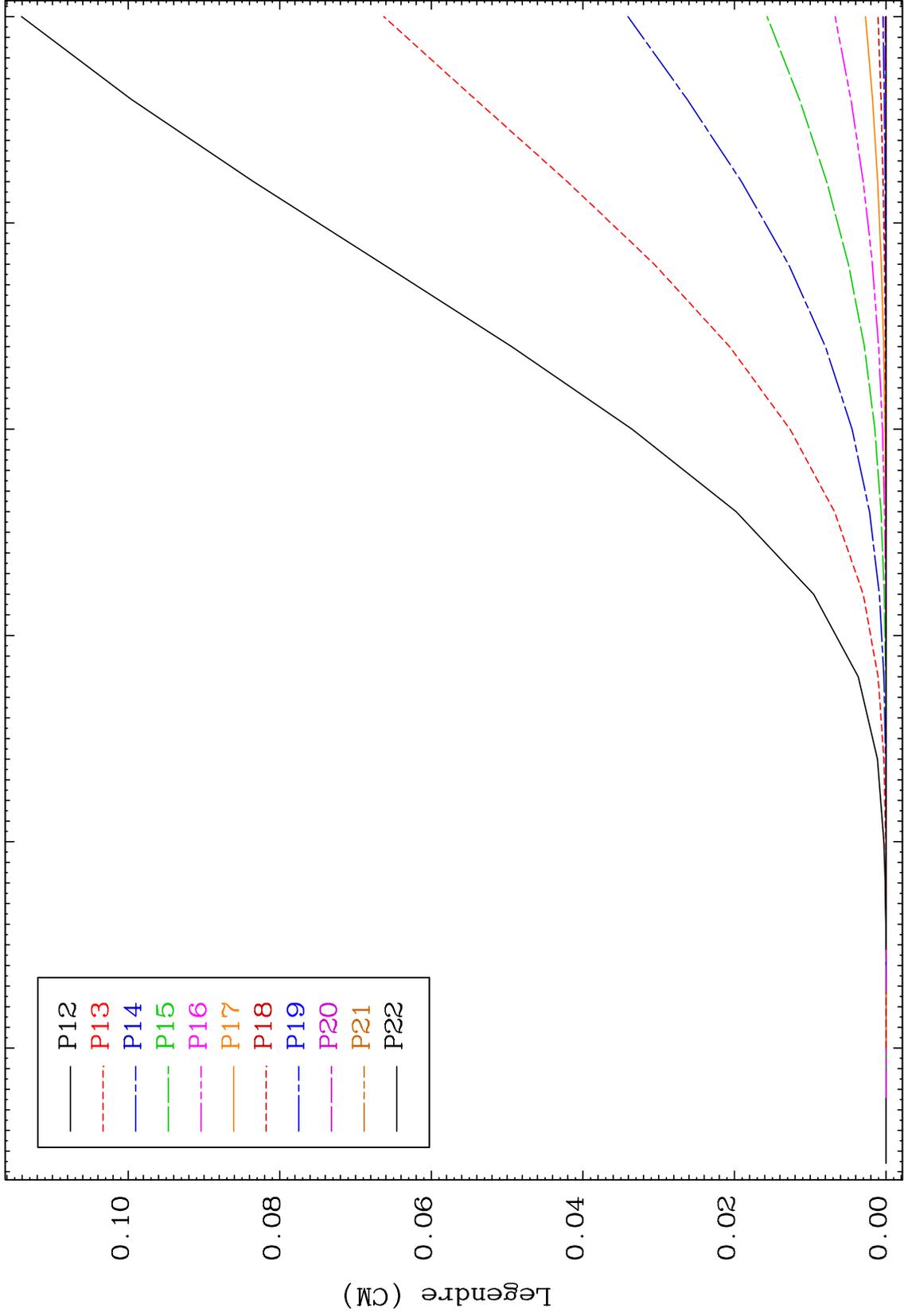
Incident Energy (MeV)

<sup>26</sup>Fe-63

MAT 2652

Elastic Legendre Coefficients

26-Fe-63



17

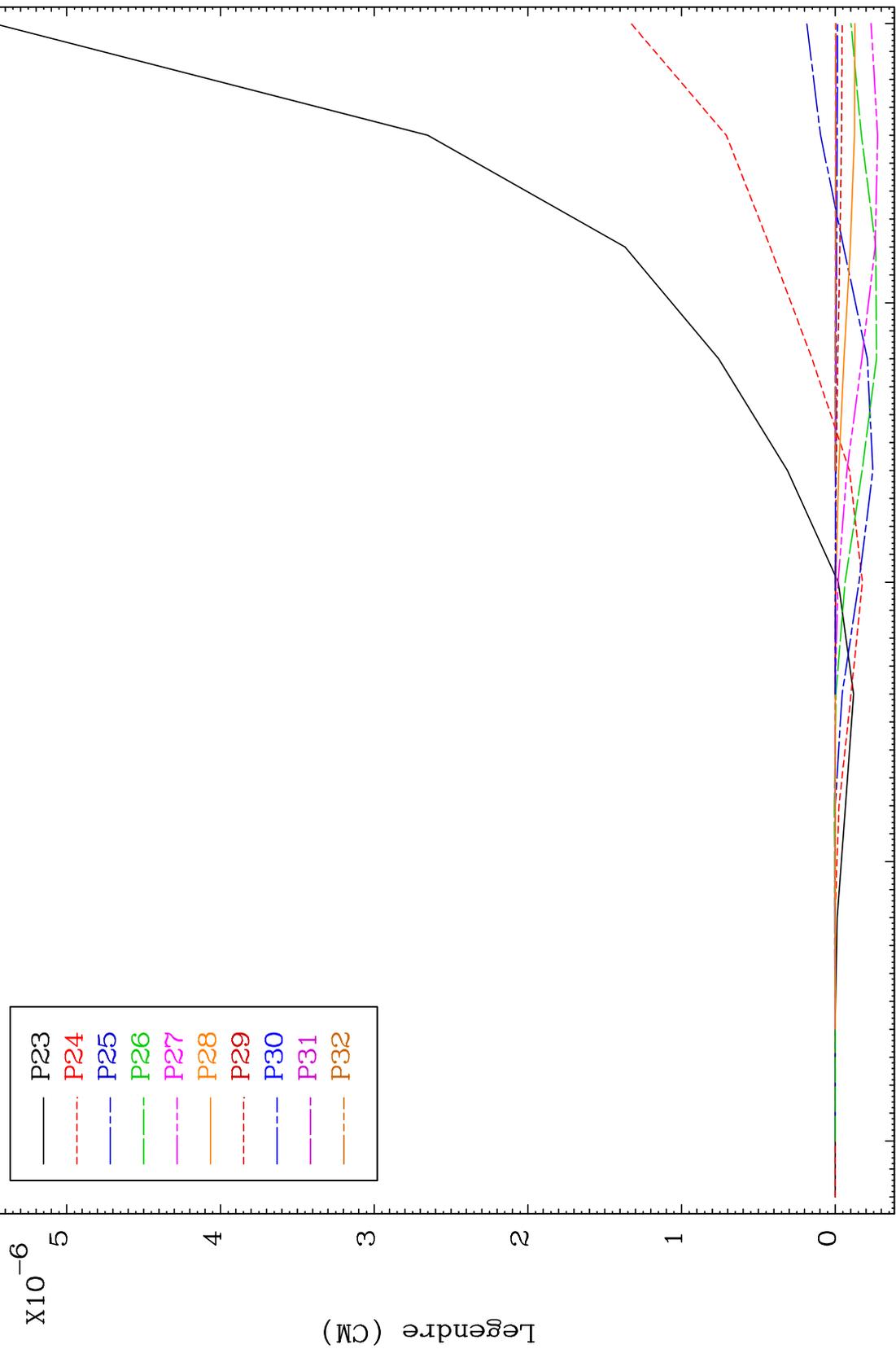
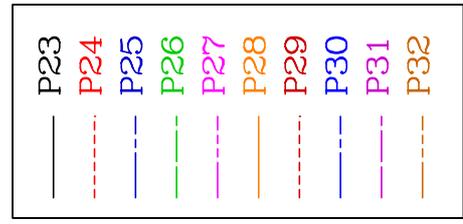
Incident Energy (MeV)

26-Fe-63

MAT 2652

Elastic Legendre Coefficients

26-Fe-63



18

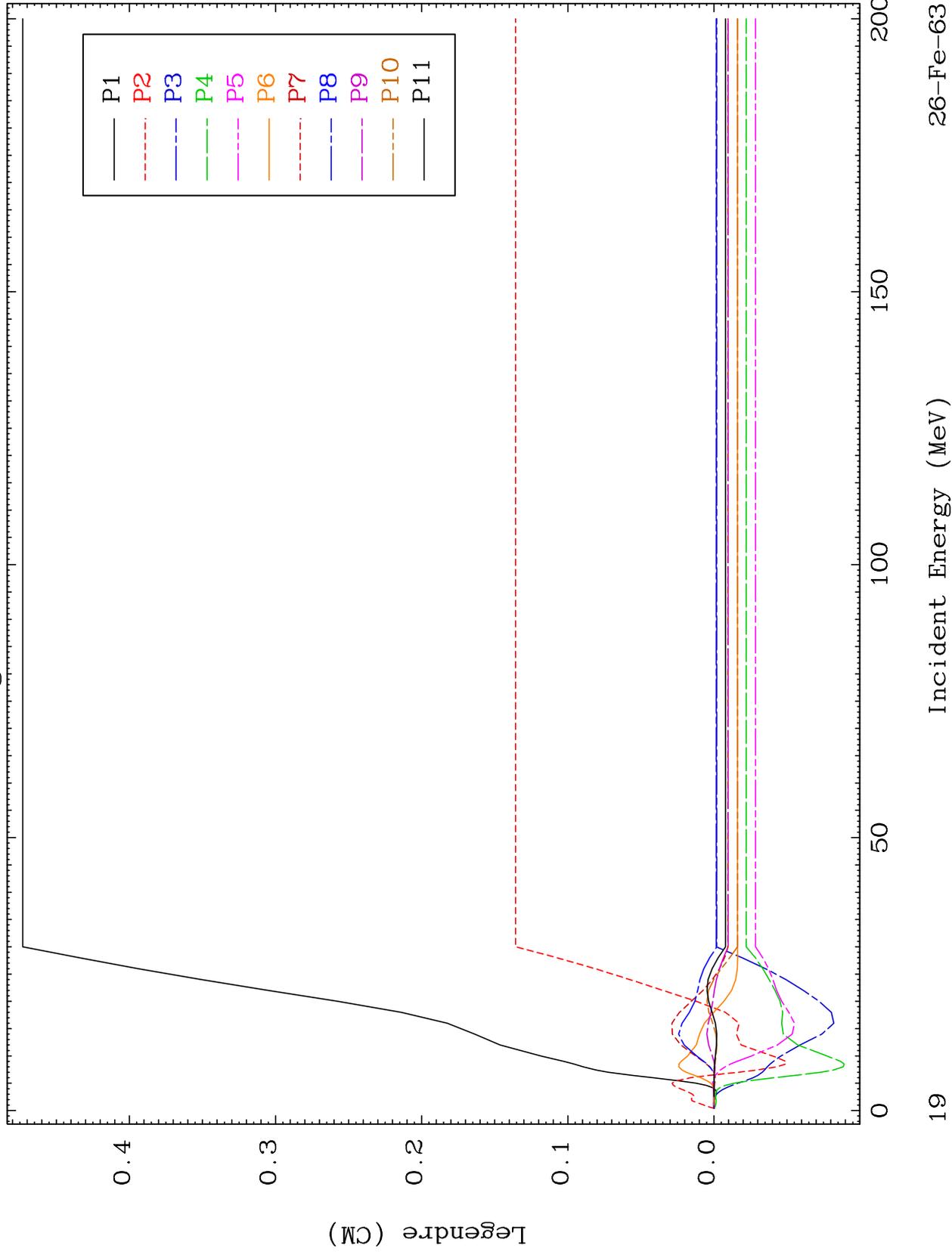
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

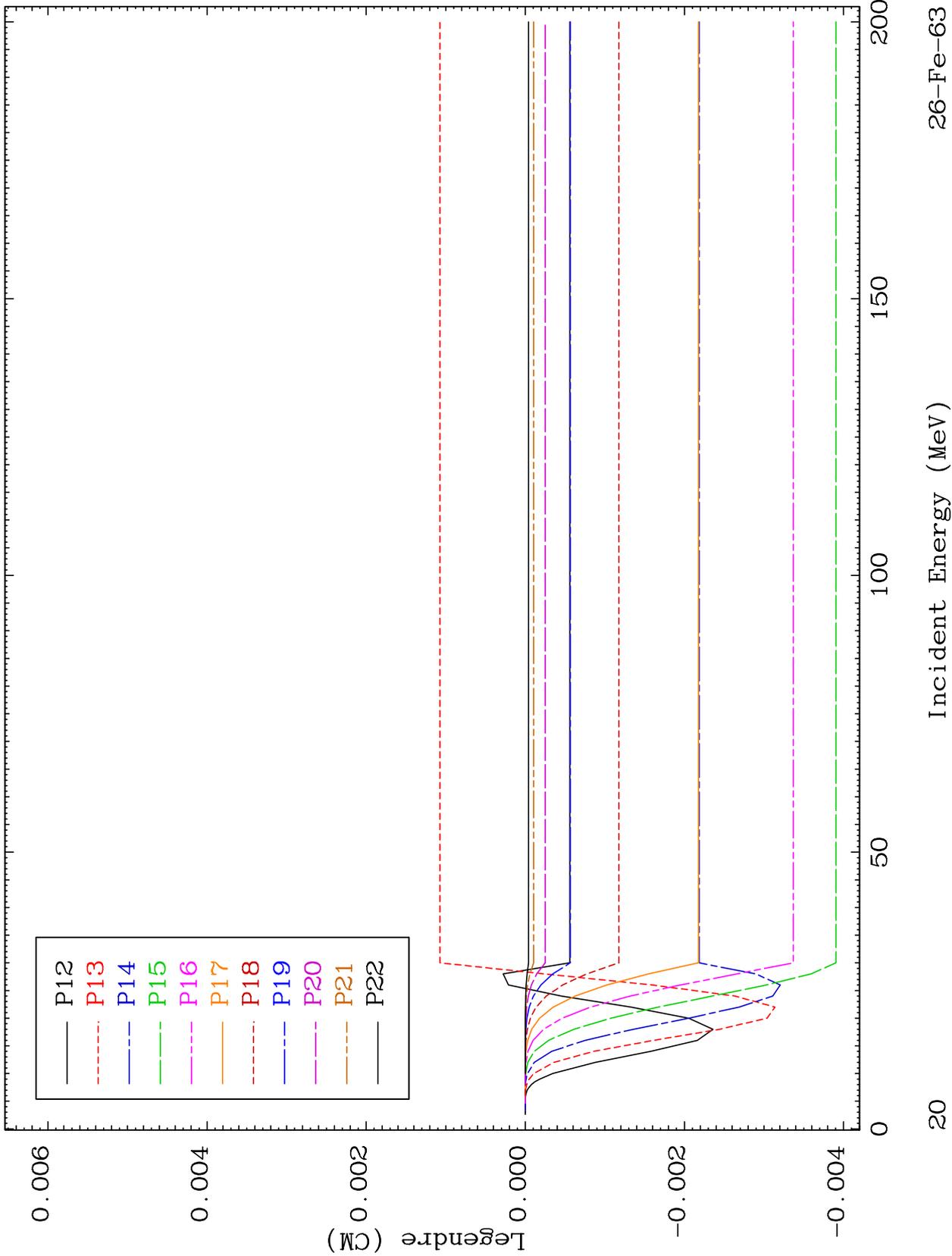
26-Fe-63



MAT 2652

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

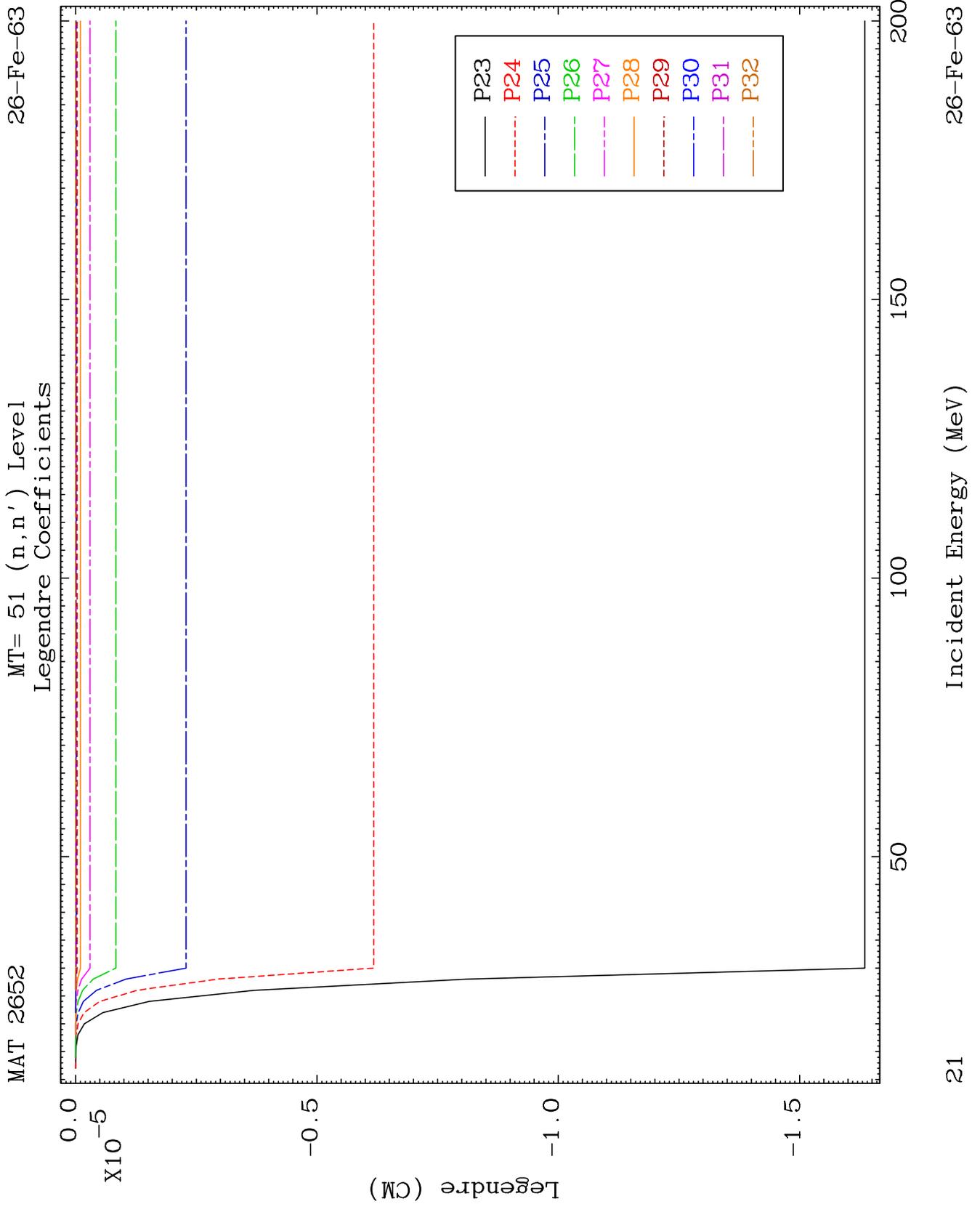
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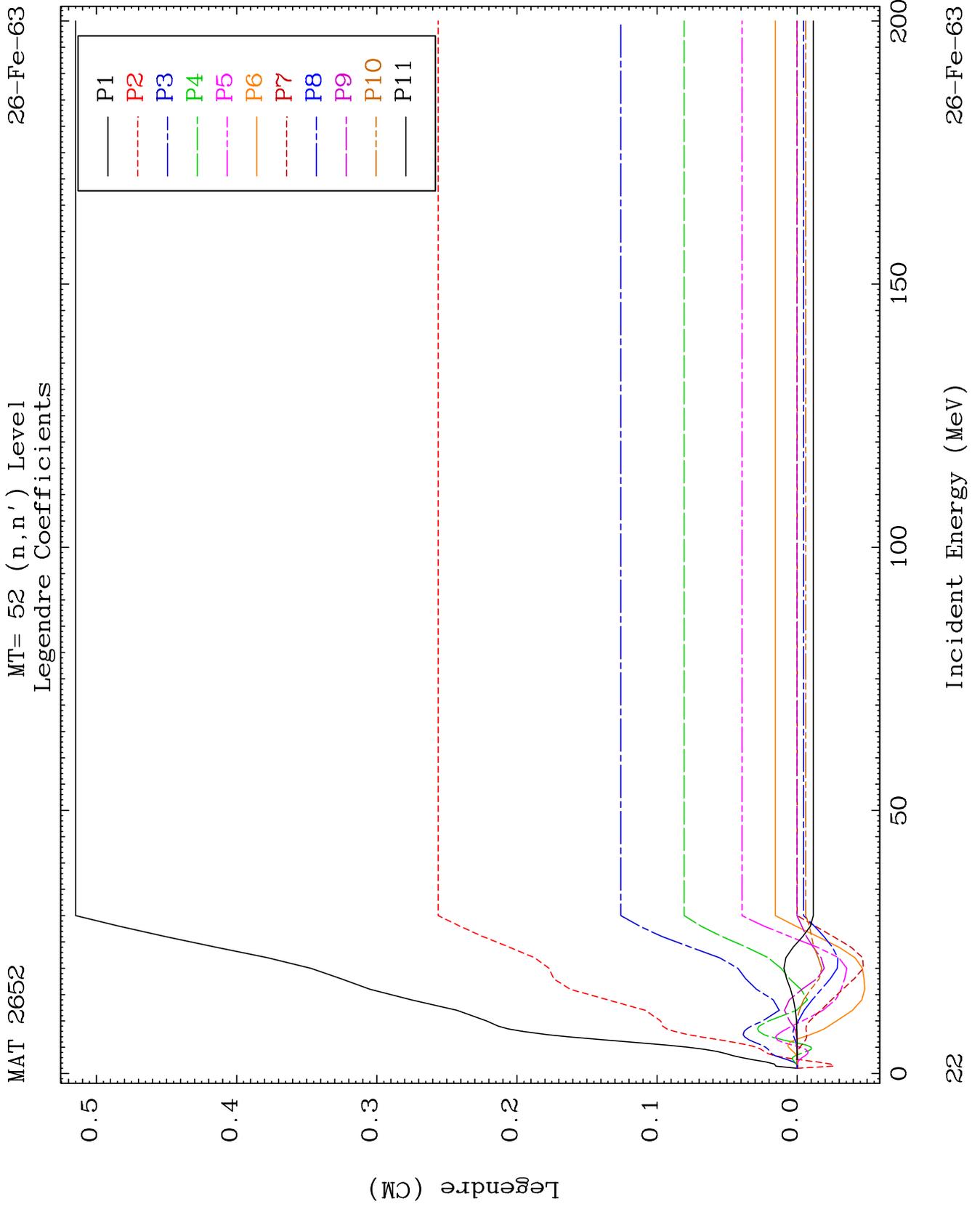


26-Fe-63

Incident Energy (MeV)

20

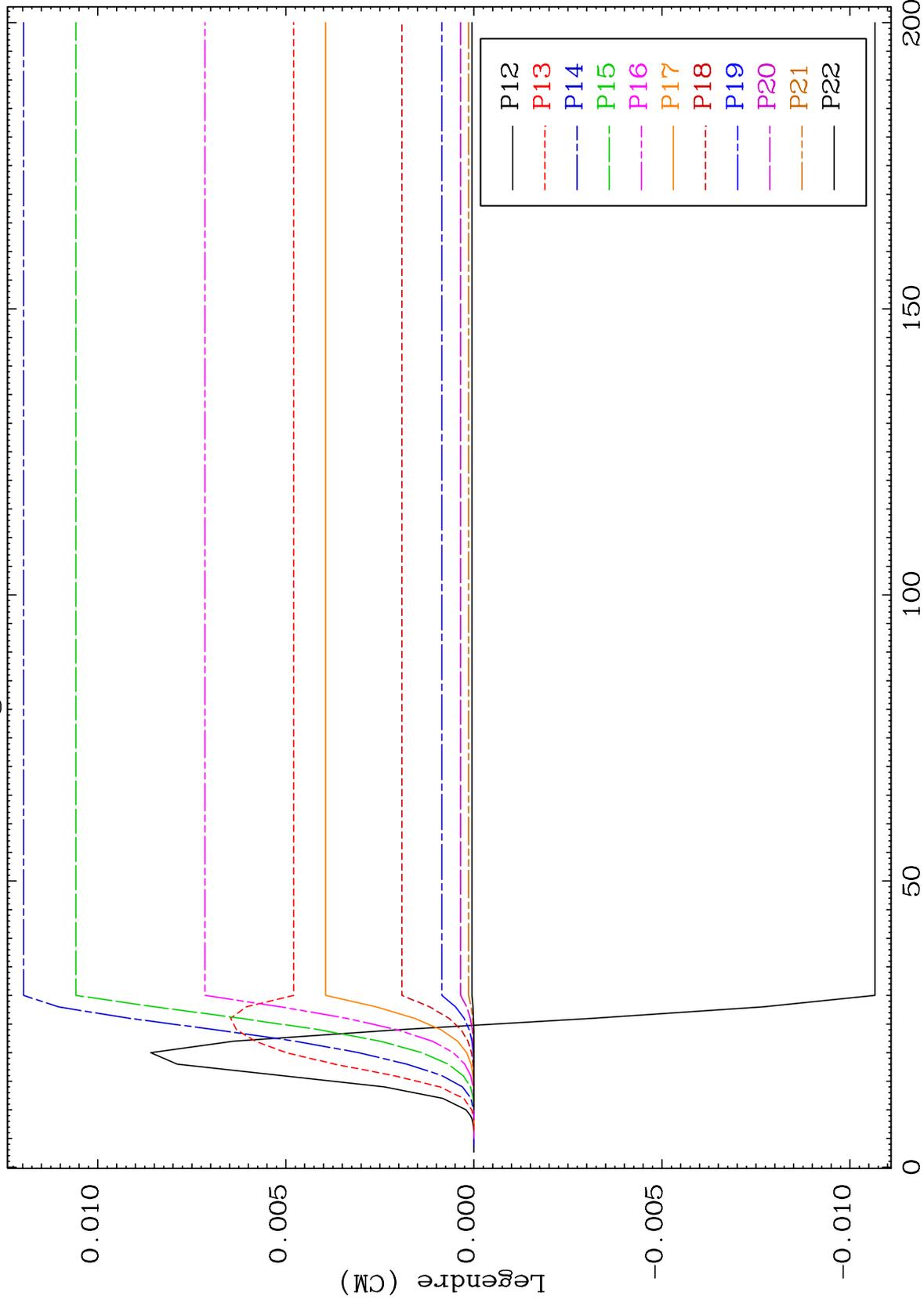




MAT 2652

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

26-Fe-63



23

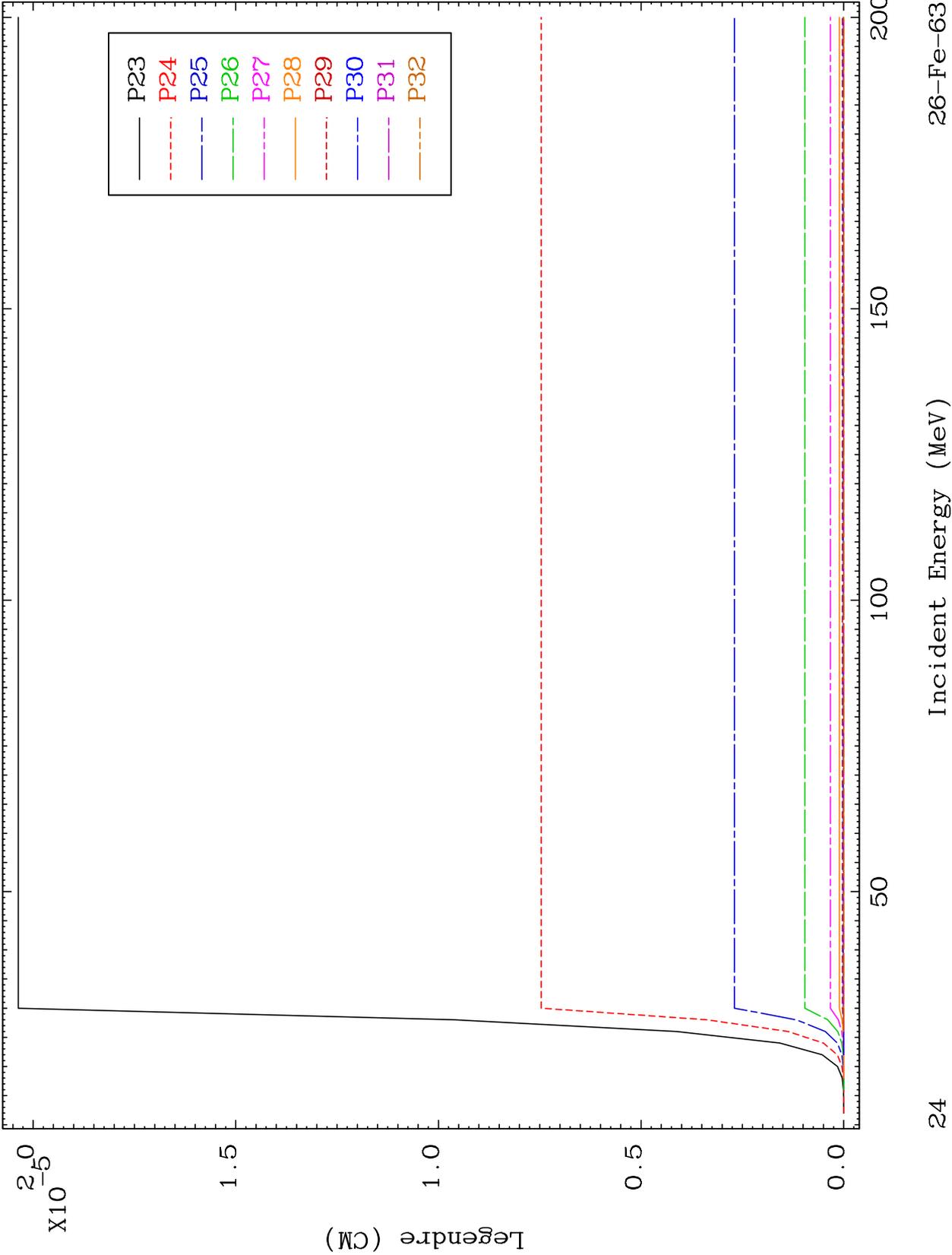
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

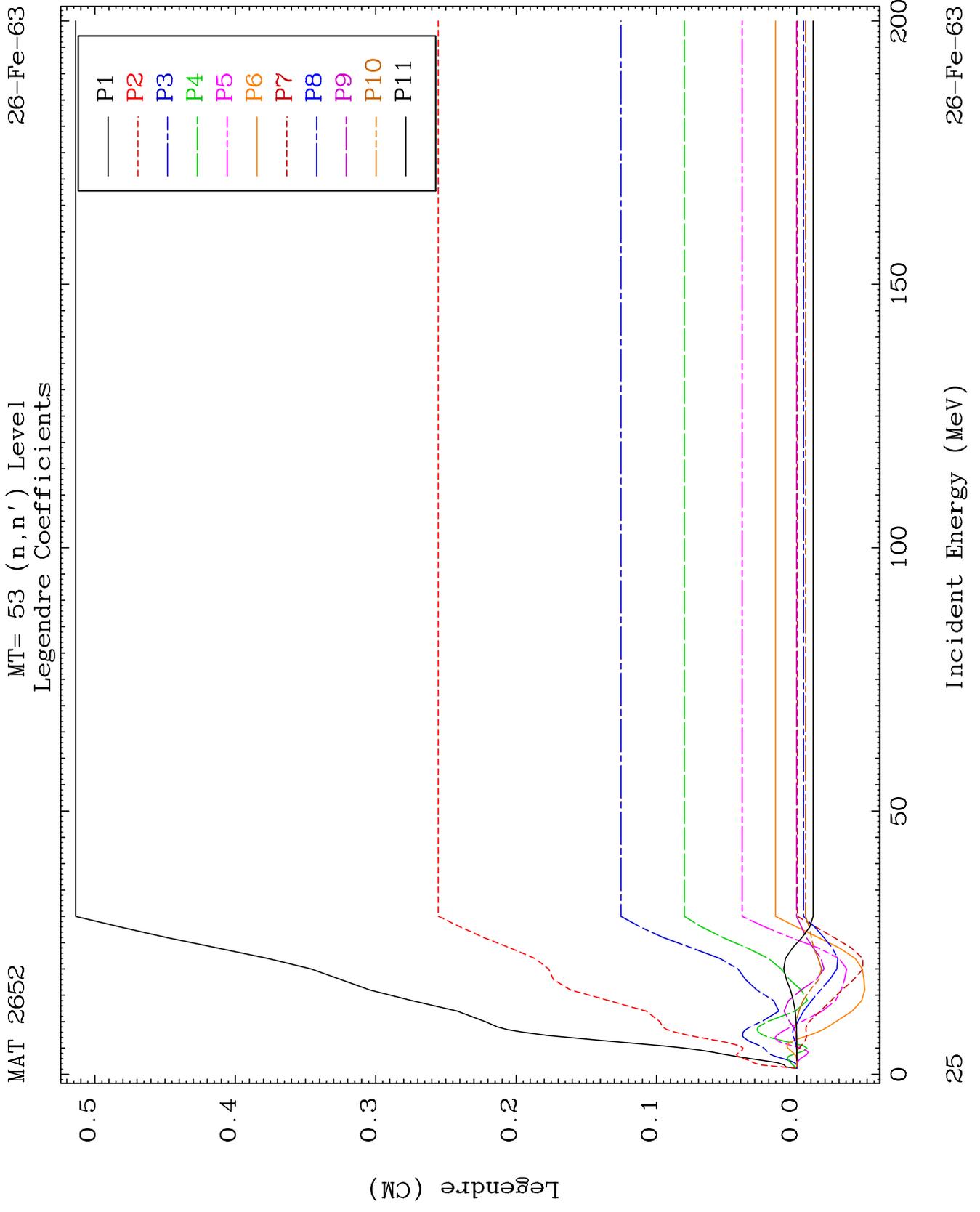
26-Fe-63



24

Incident Energy (MeV)

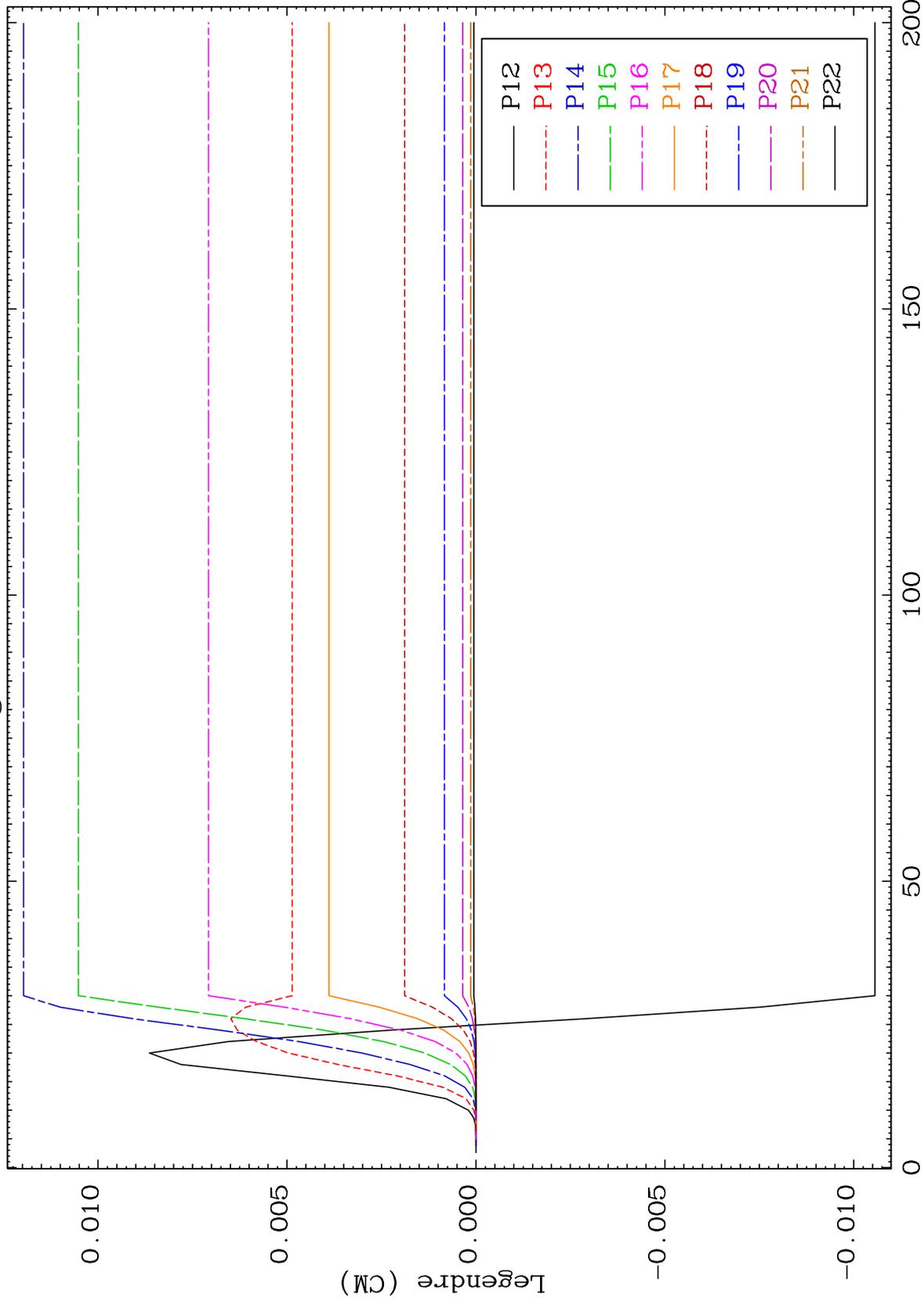
26-Fe-63



MAT 2652

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

26-Fe-63



26

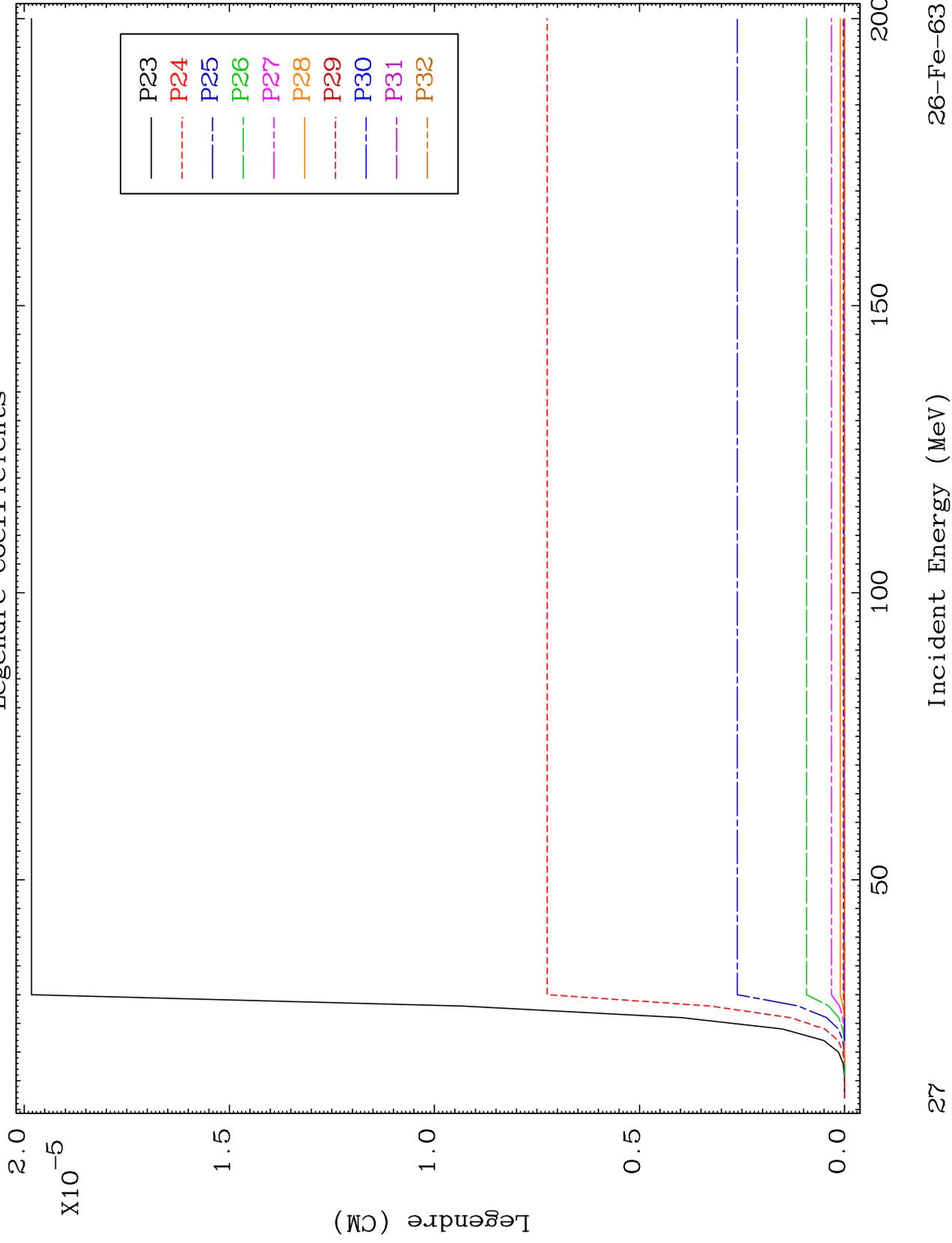
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



27

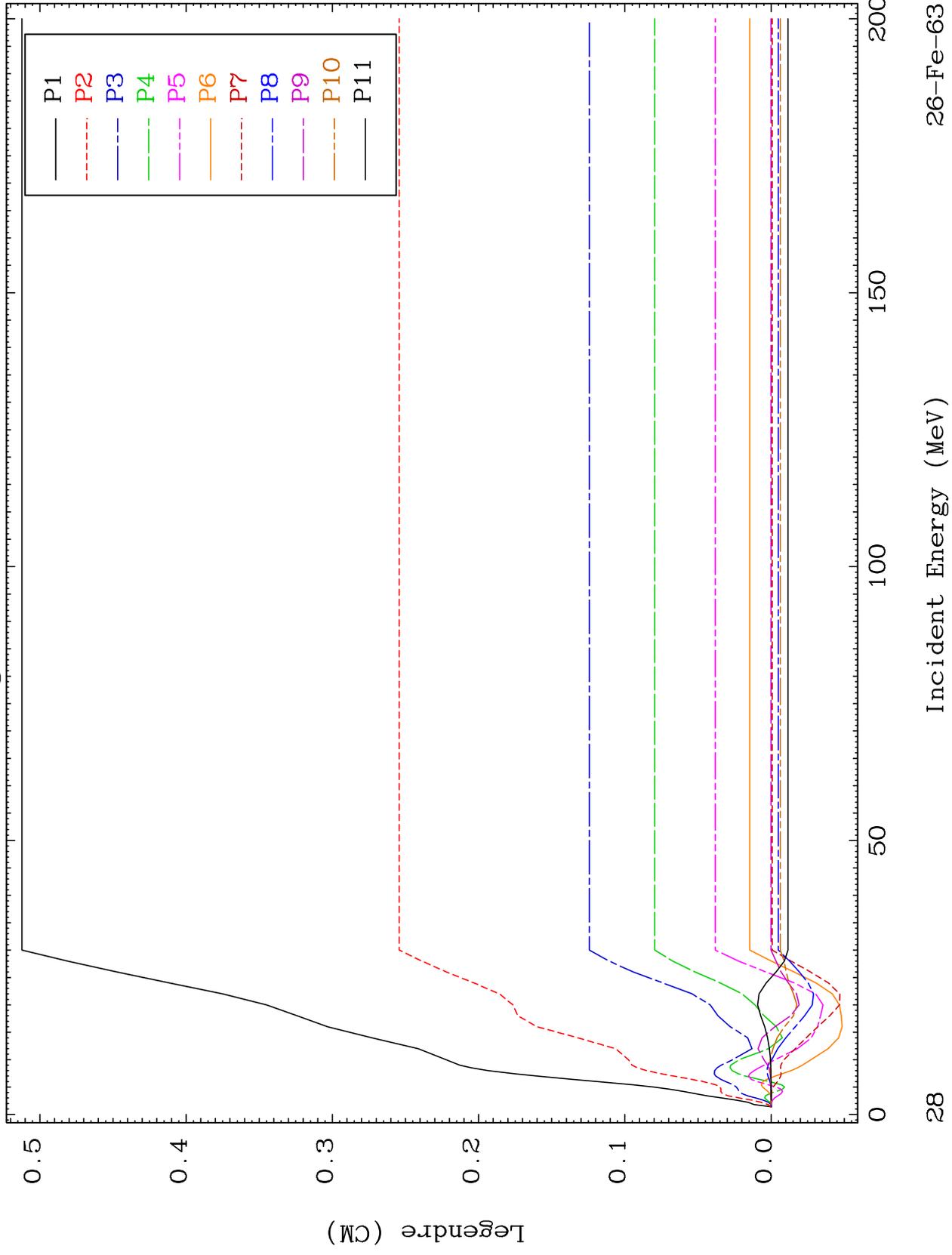
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

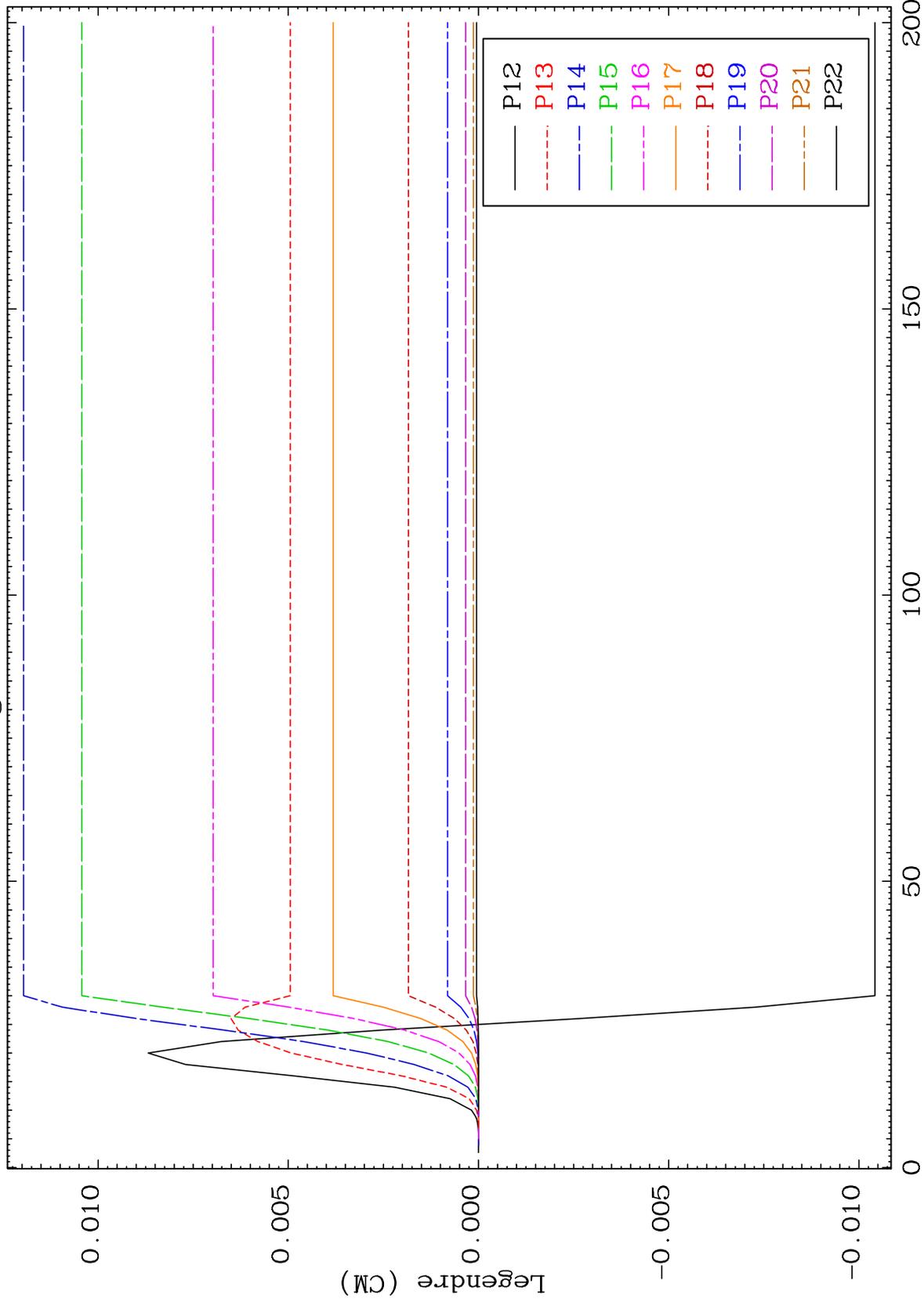
26-Fe-63



MAT 2652

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

26-Fe-63



29

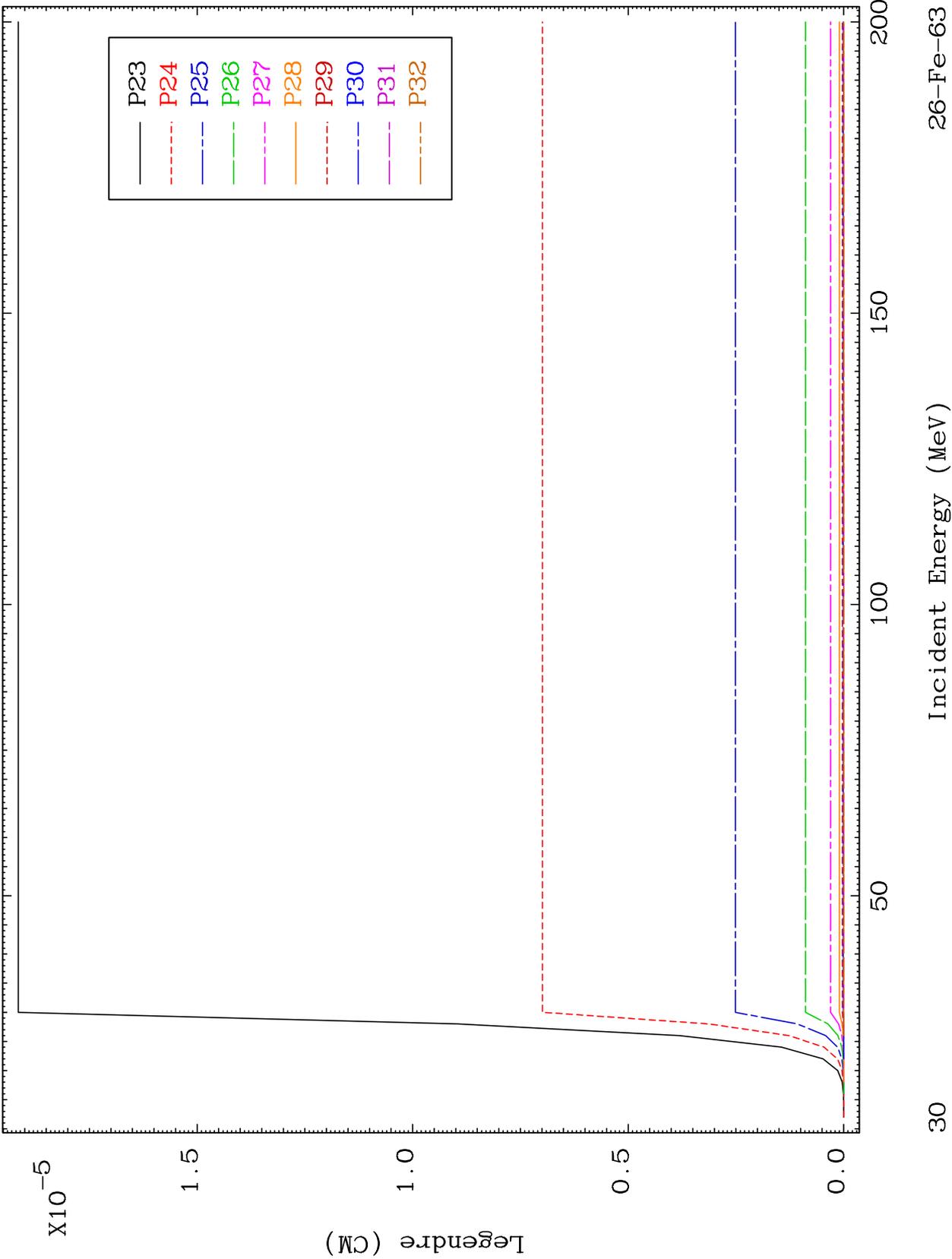
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

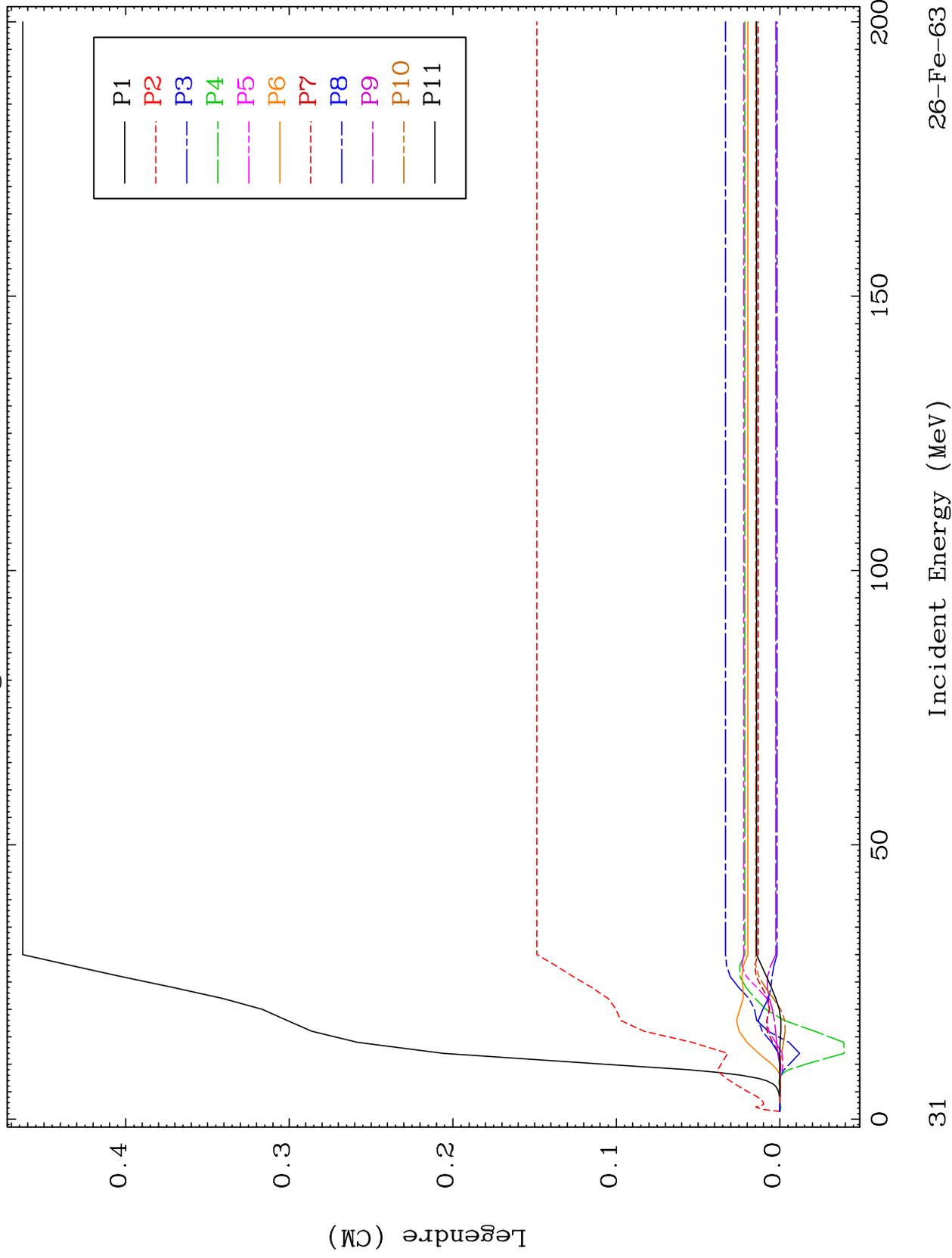
26-Fe-63



MAT 2652

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

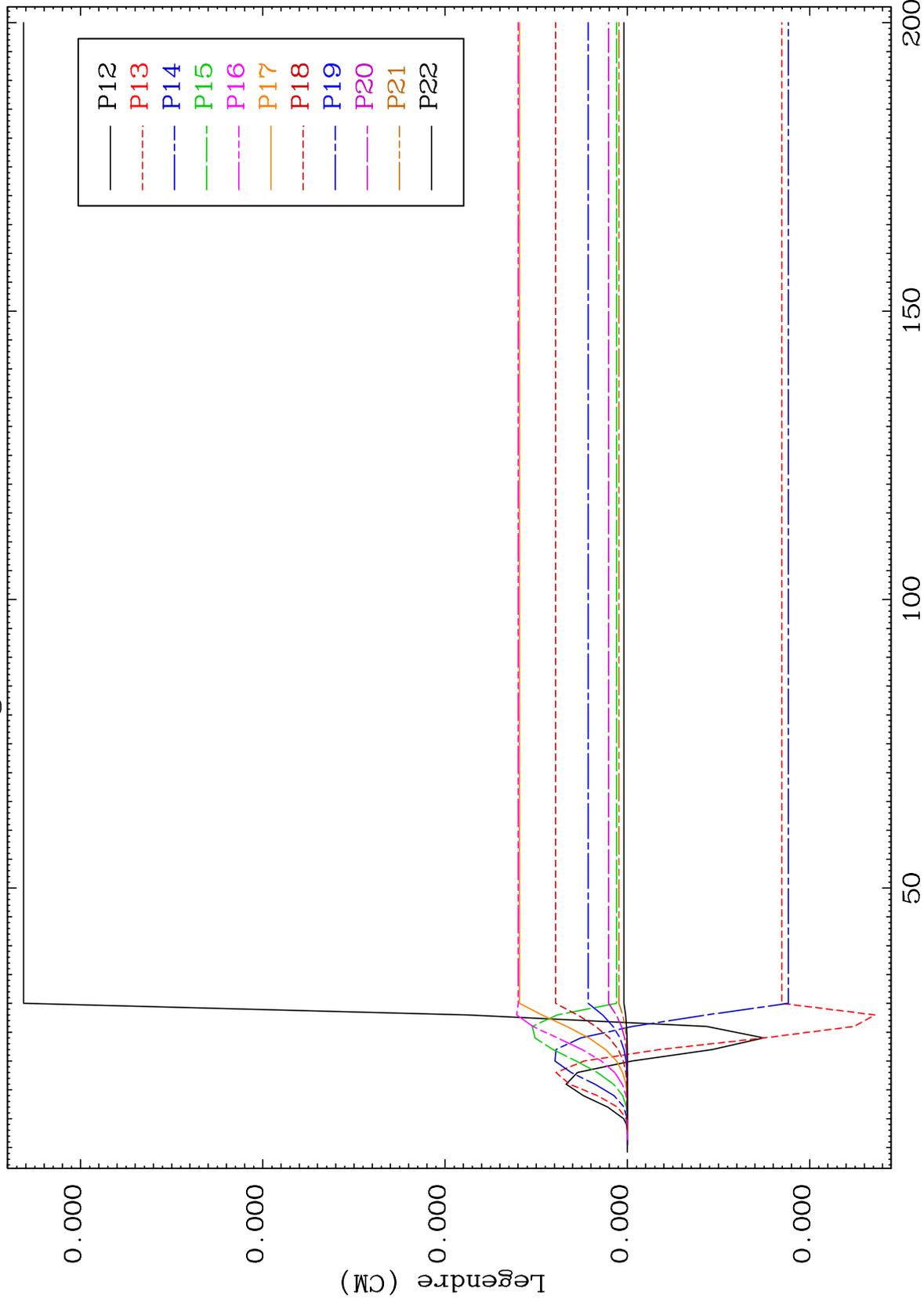
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MAT 2652

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

26-Fe-63



32

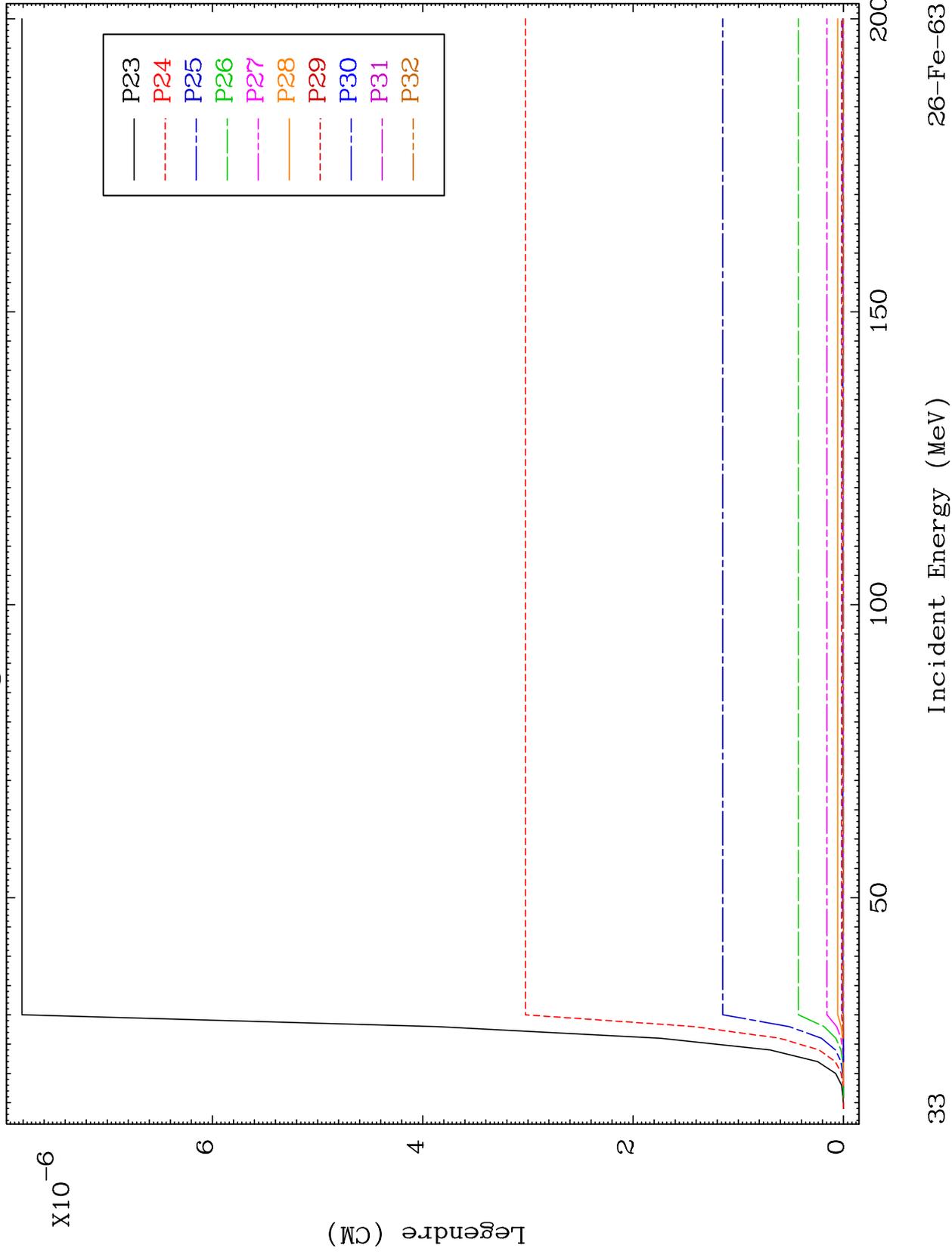
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



33

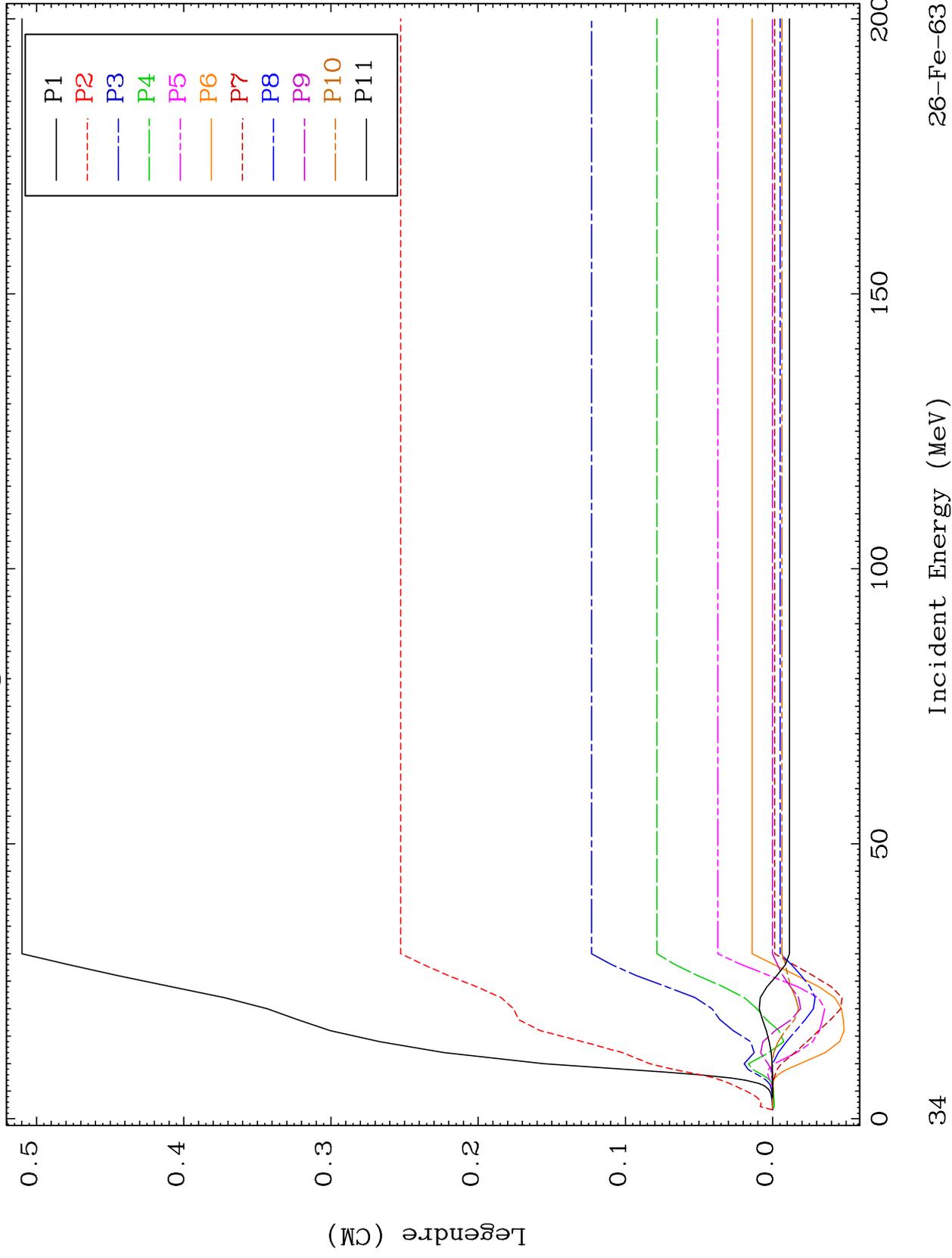
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



26-Fe-63

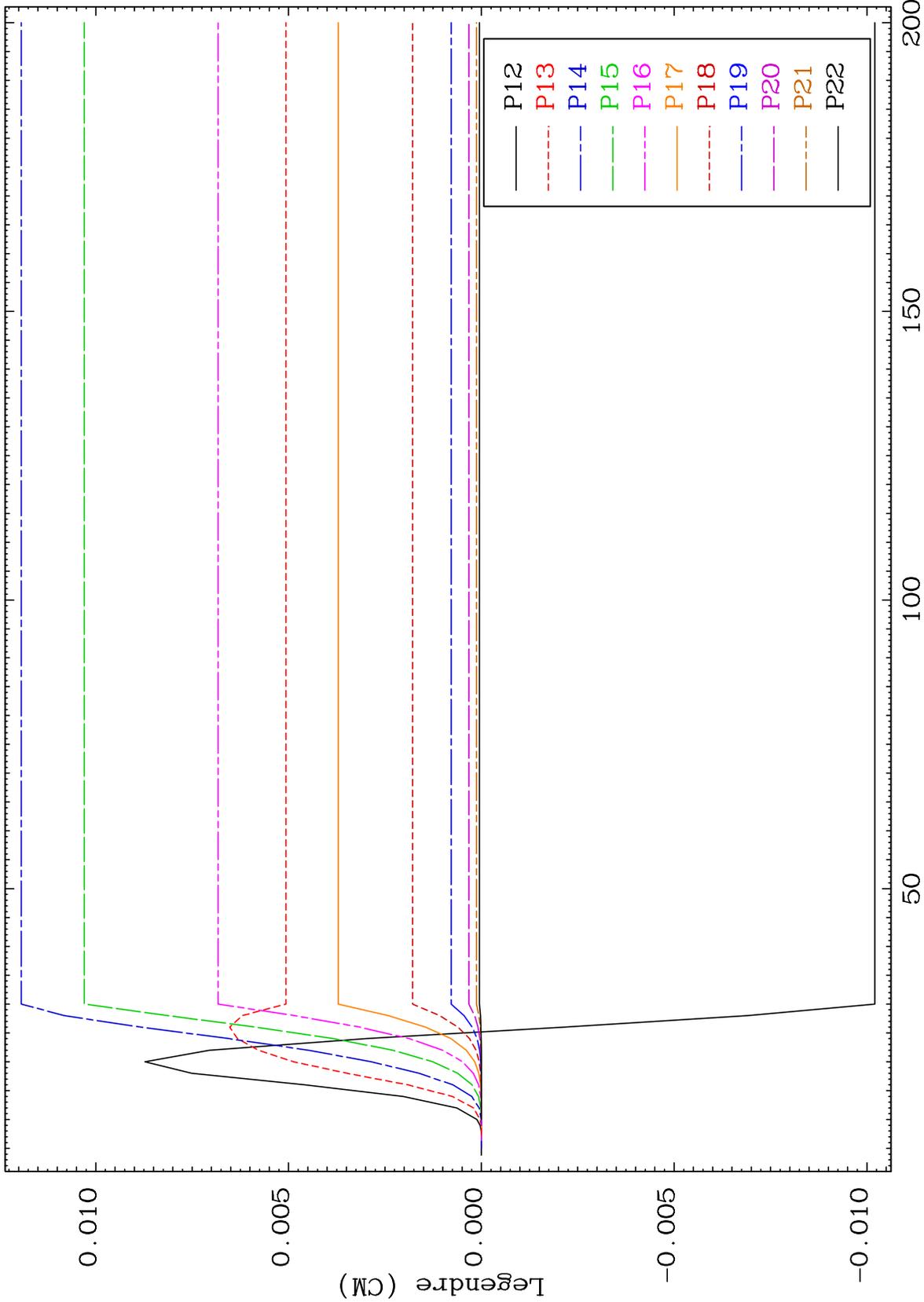
Incident Energy (MeV)

34

MAT 2652

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

26-Fe-63



35

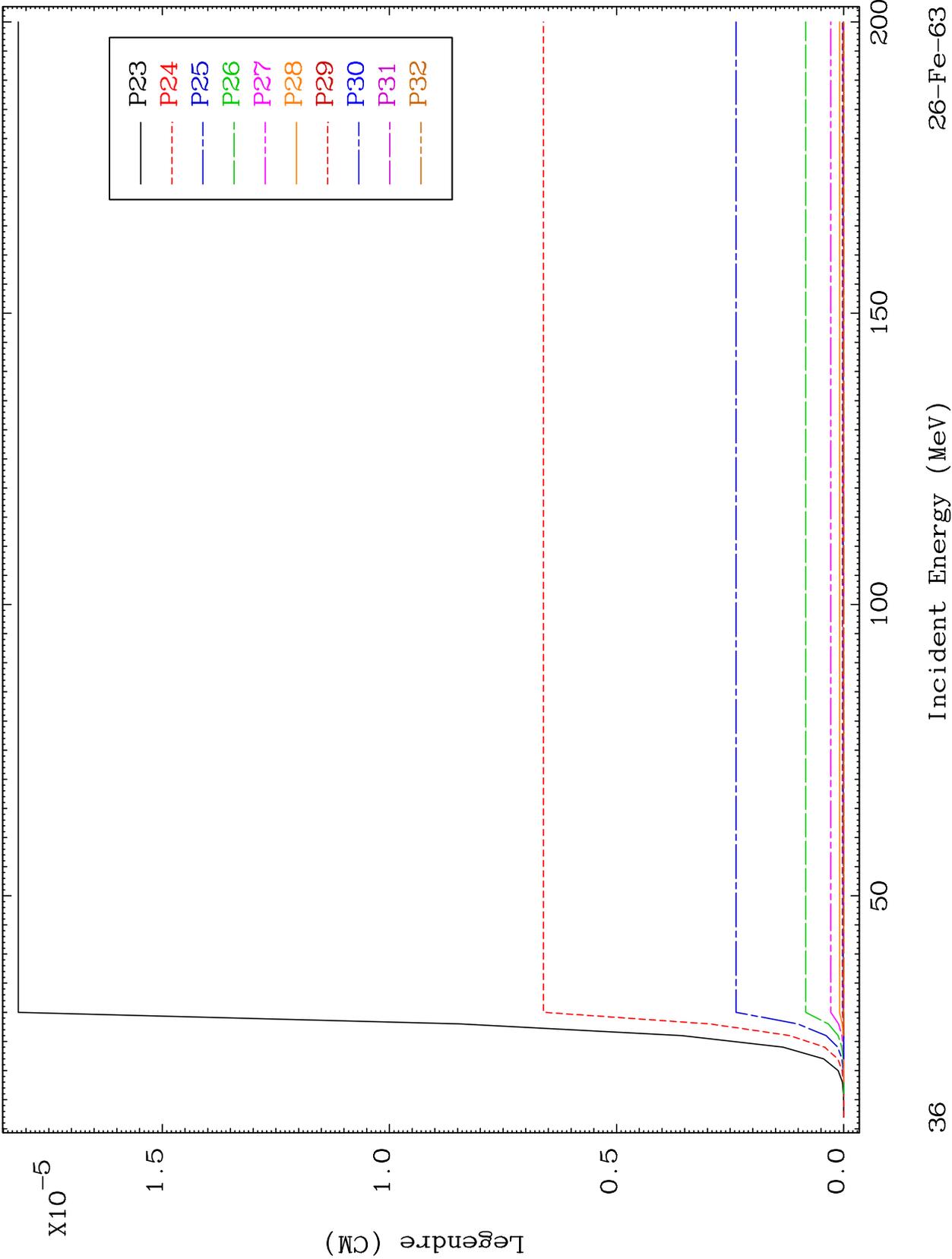
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

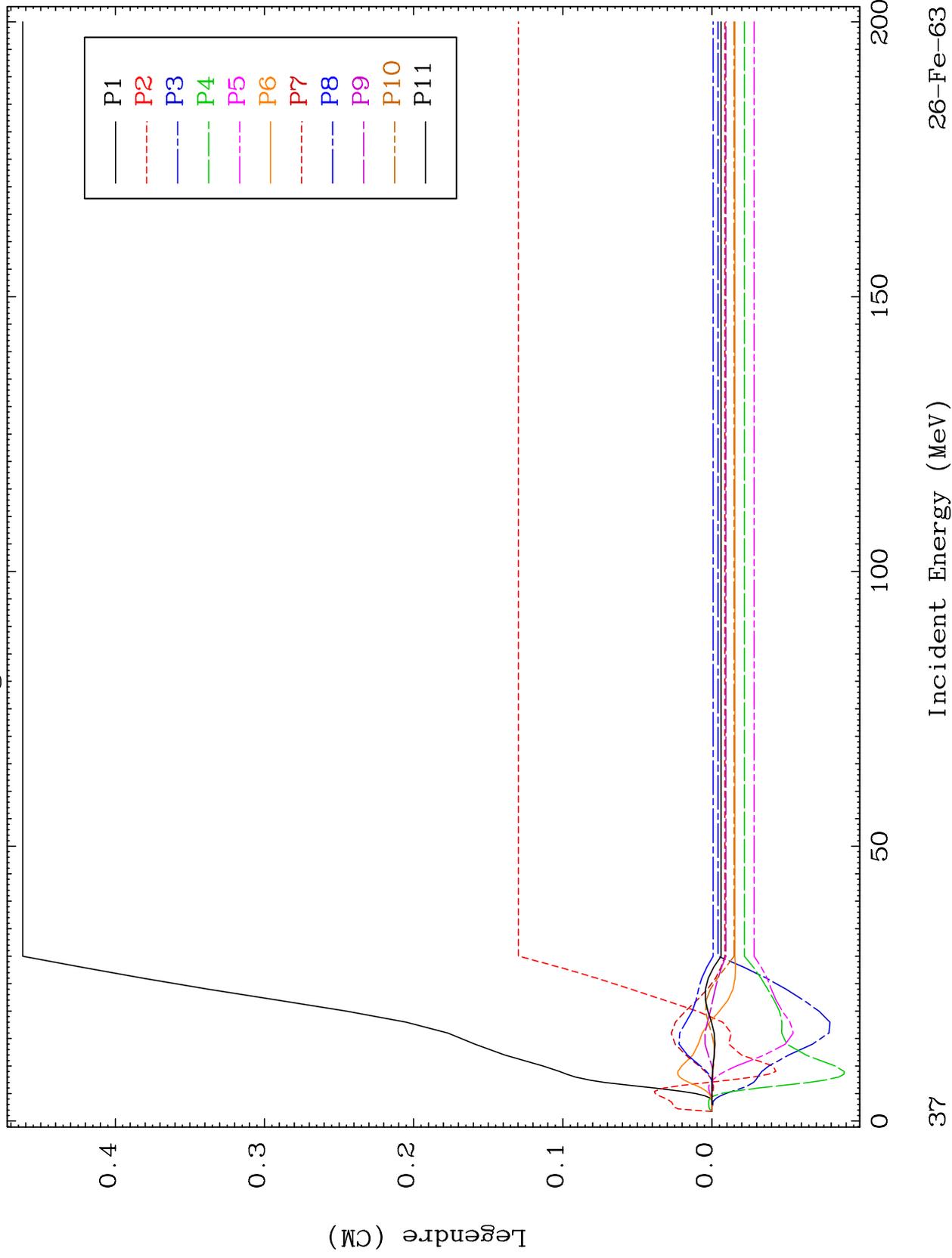
26-Fe-63



MAT 2652

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

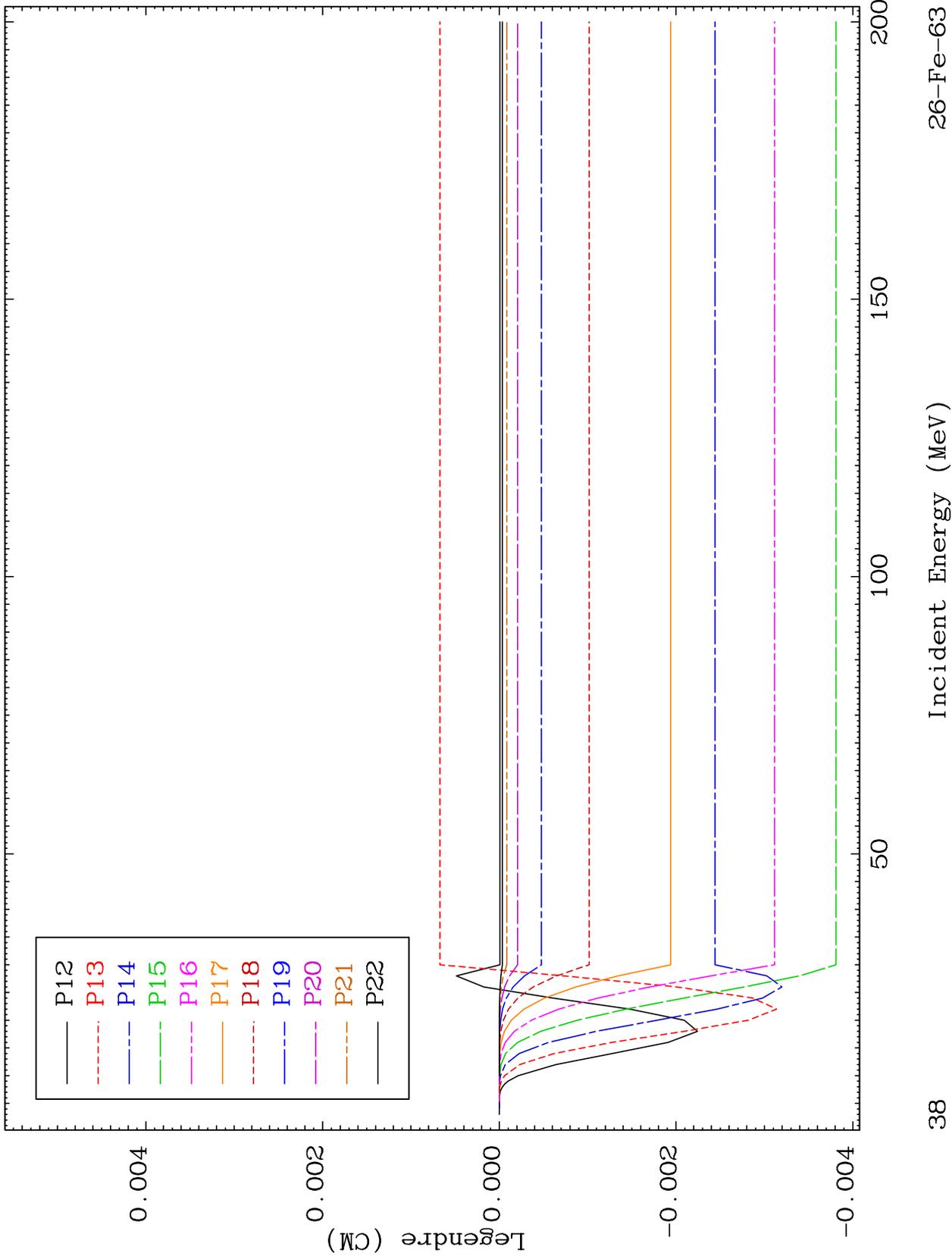
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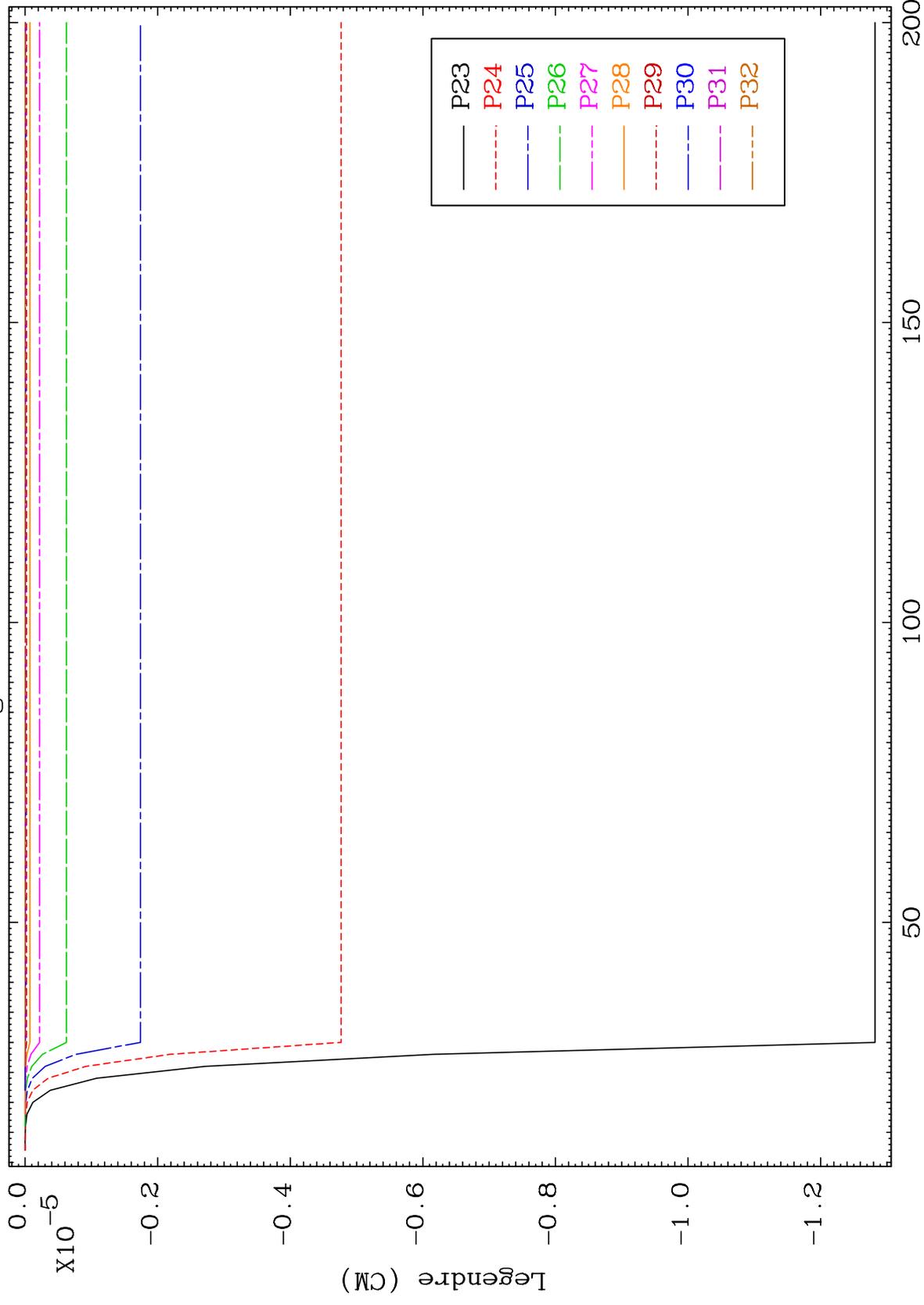


26-Fe-63

Incident Energy (MeV)

37



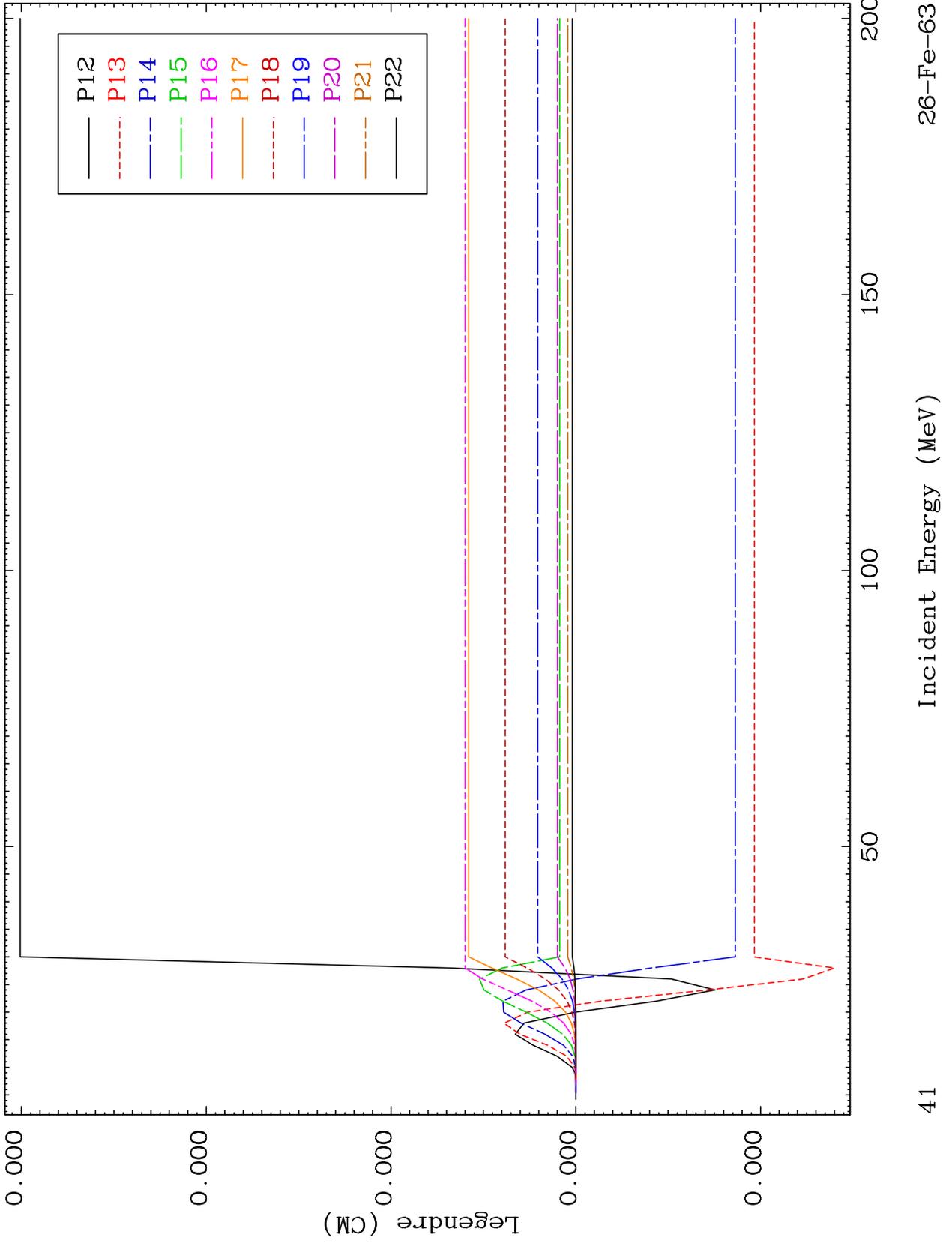




MAT 2652

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

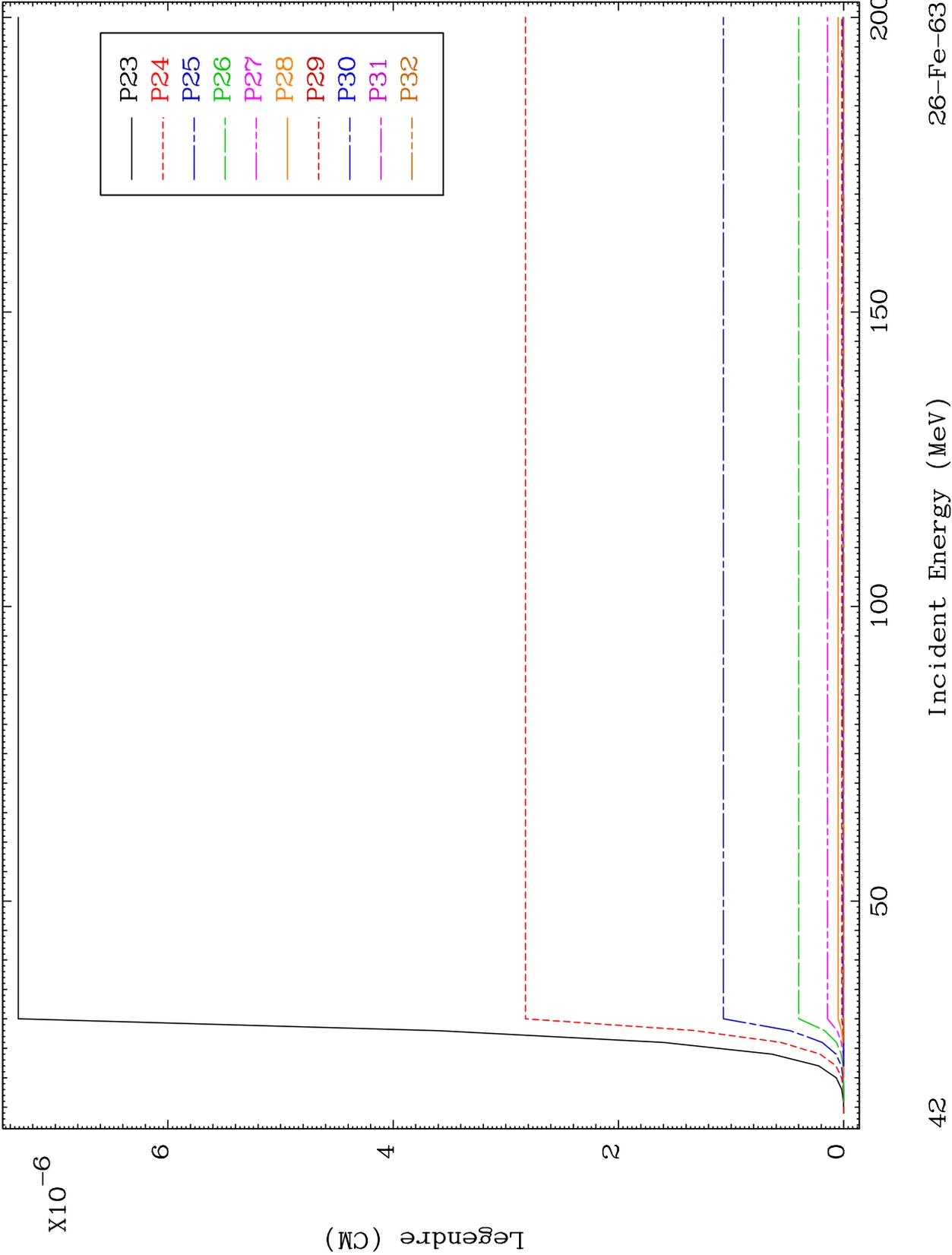
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MAT 2652

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

26-Fe-63



42

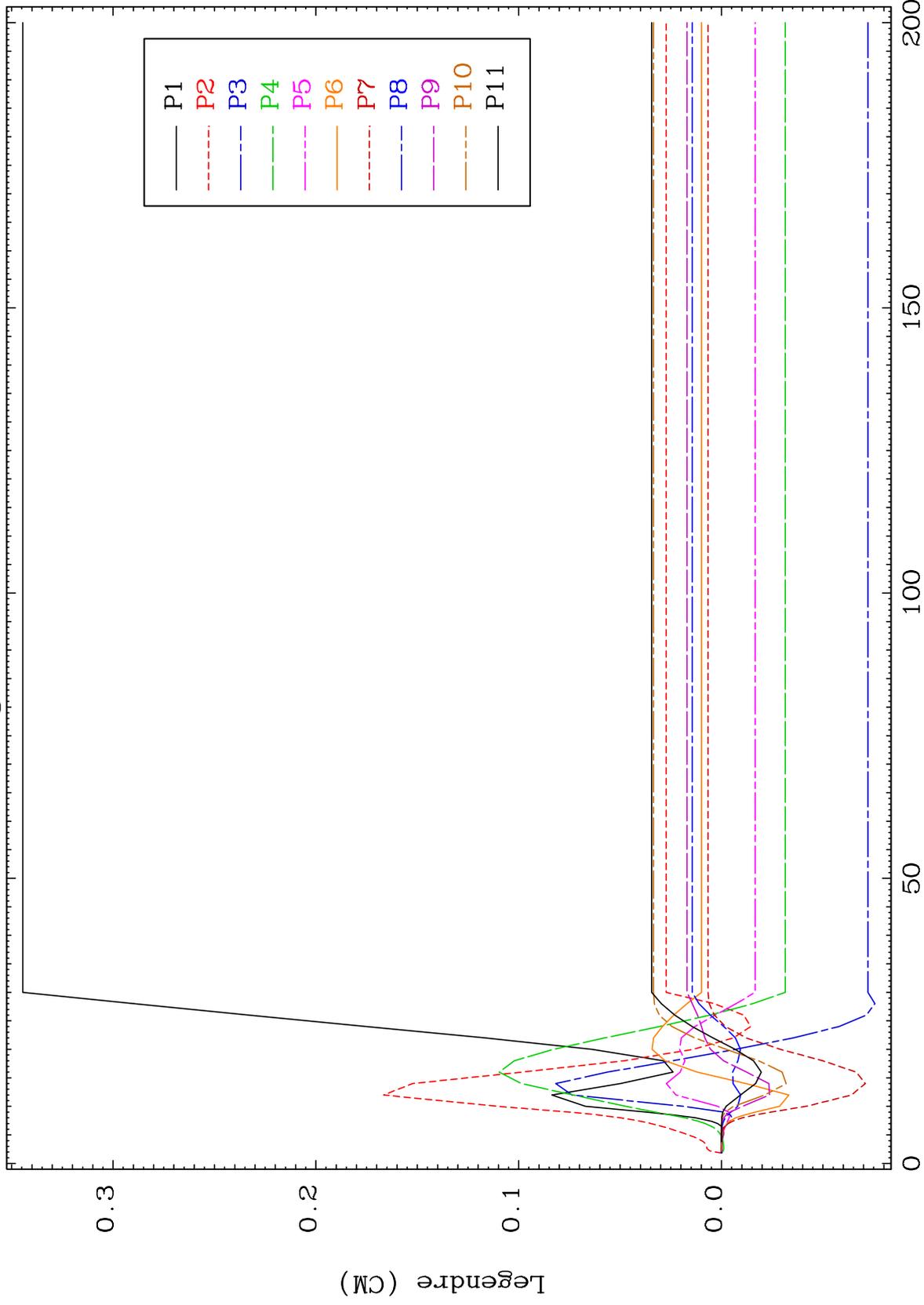
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

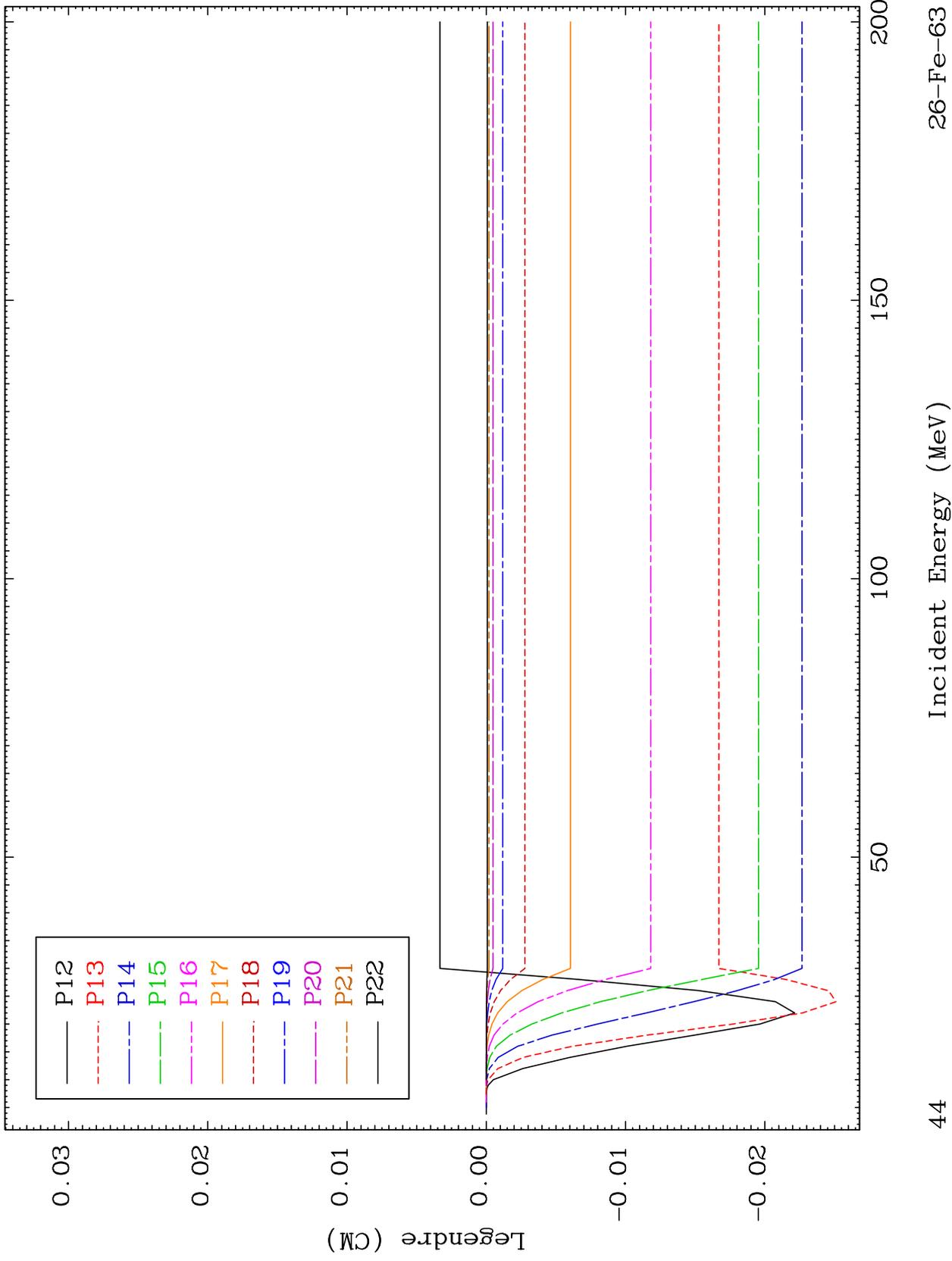
26-Fe-63



43

Incident Energy (MeV)

26-Fe-63

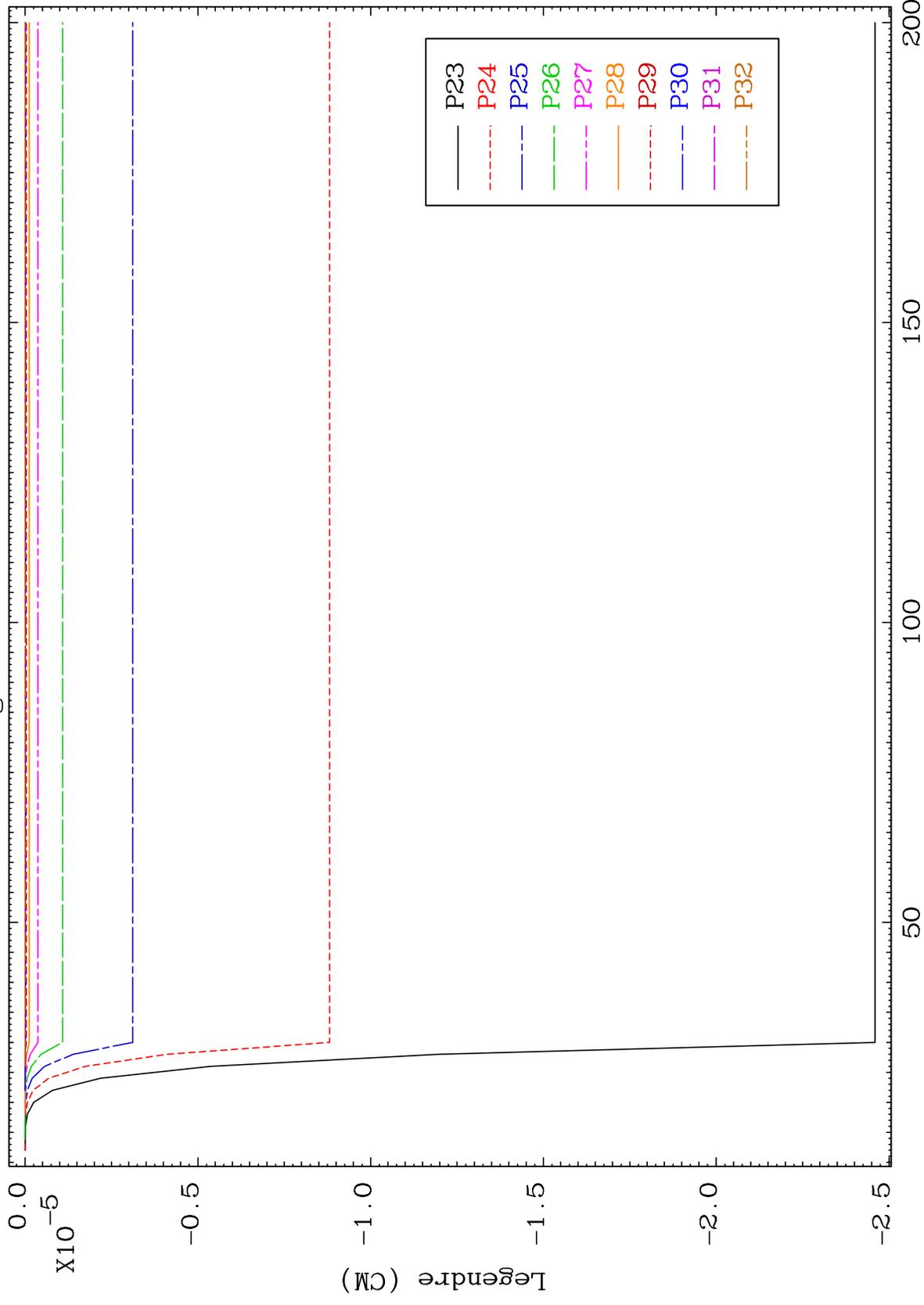


MAT 2652

MT= 59 (n,n') Level

26-Fe-63

Legendre Coefficients



26-Fe-63

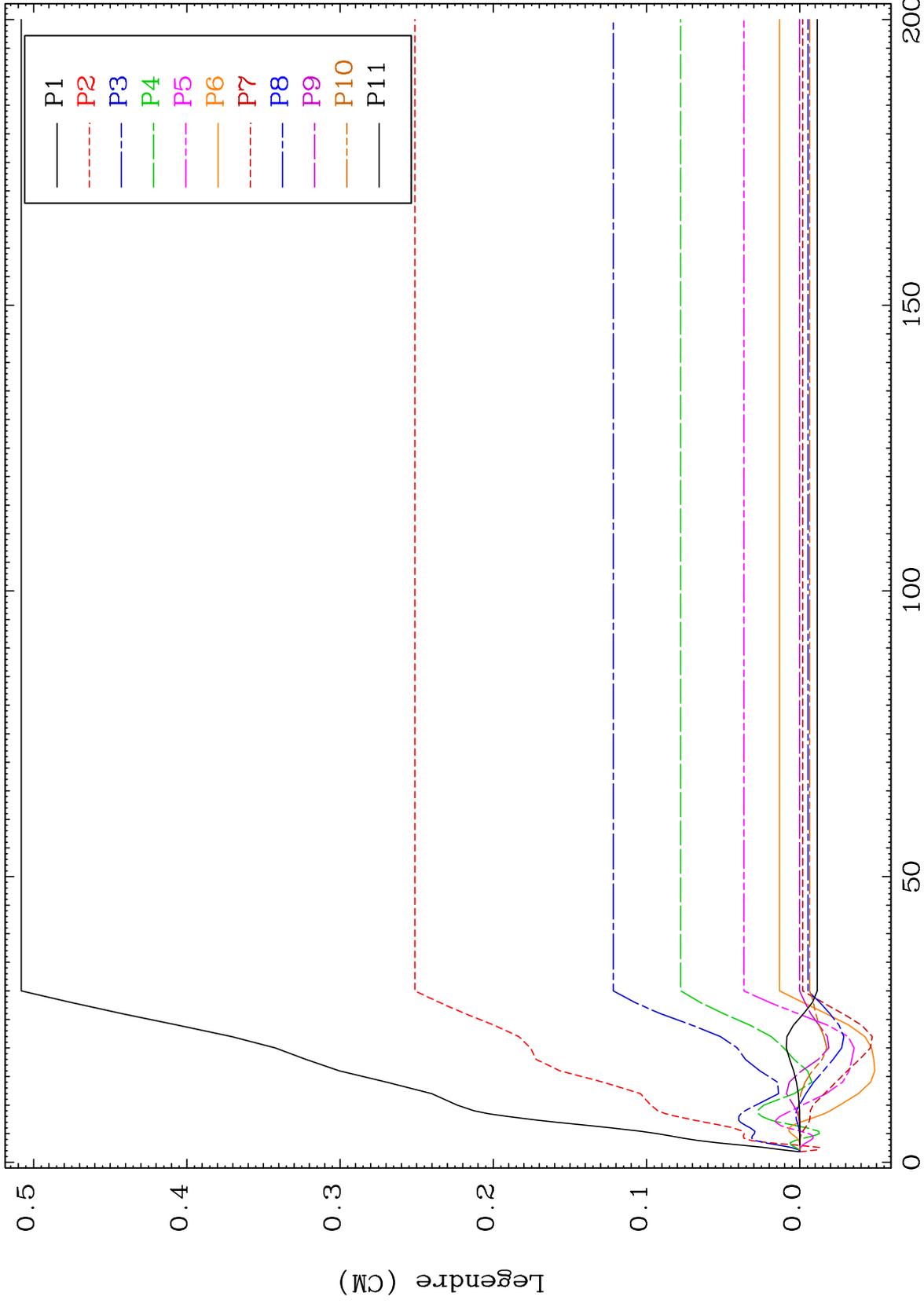
Incident Energy (MeV)

45

MAT 2652

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

26-Fe-63



26-Fe-63

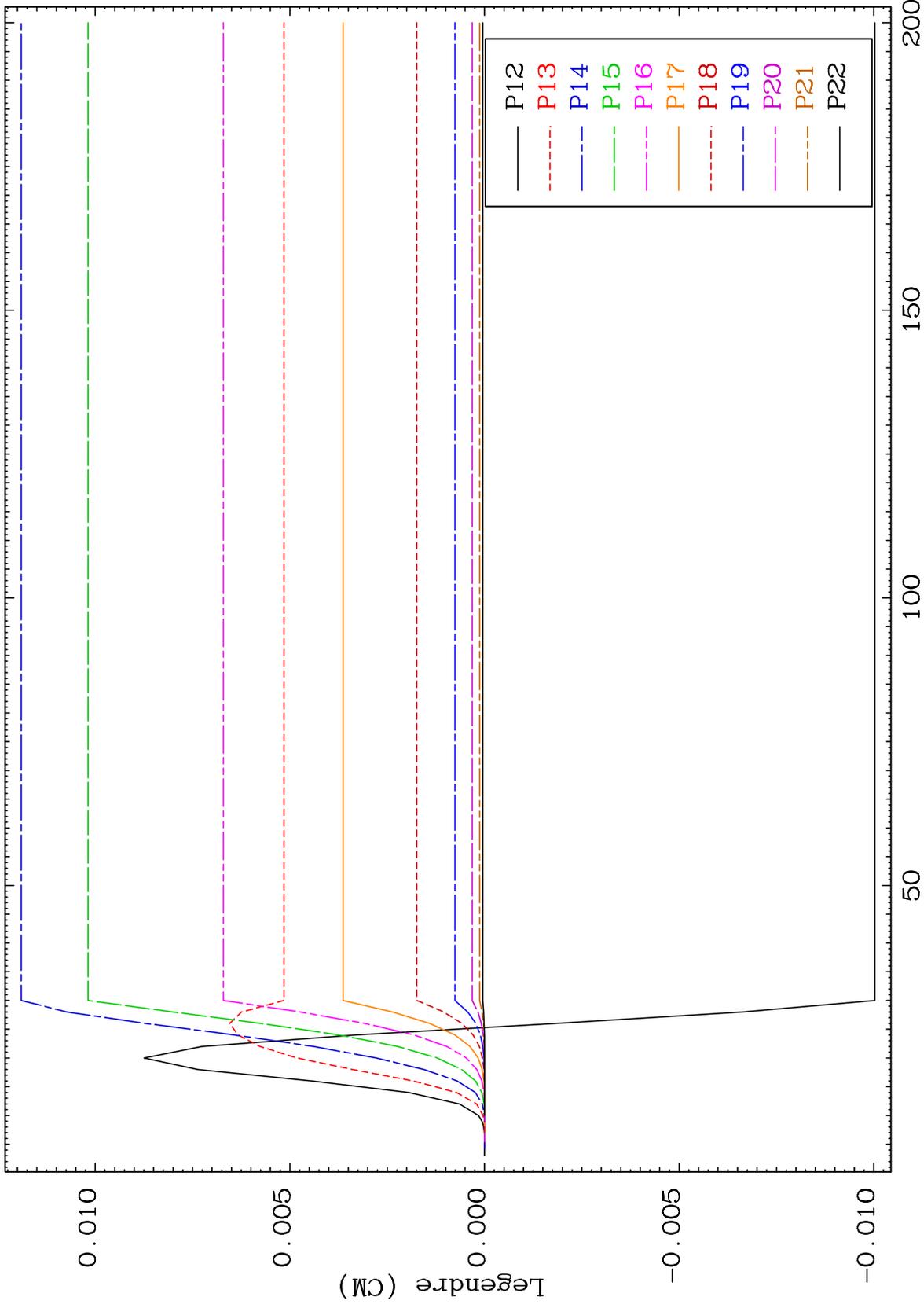
Incident Energy (MeV)

46

MAT 2652

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

26-Fe-63



47

Incident Energy (MeV)

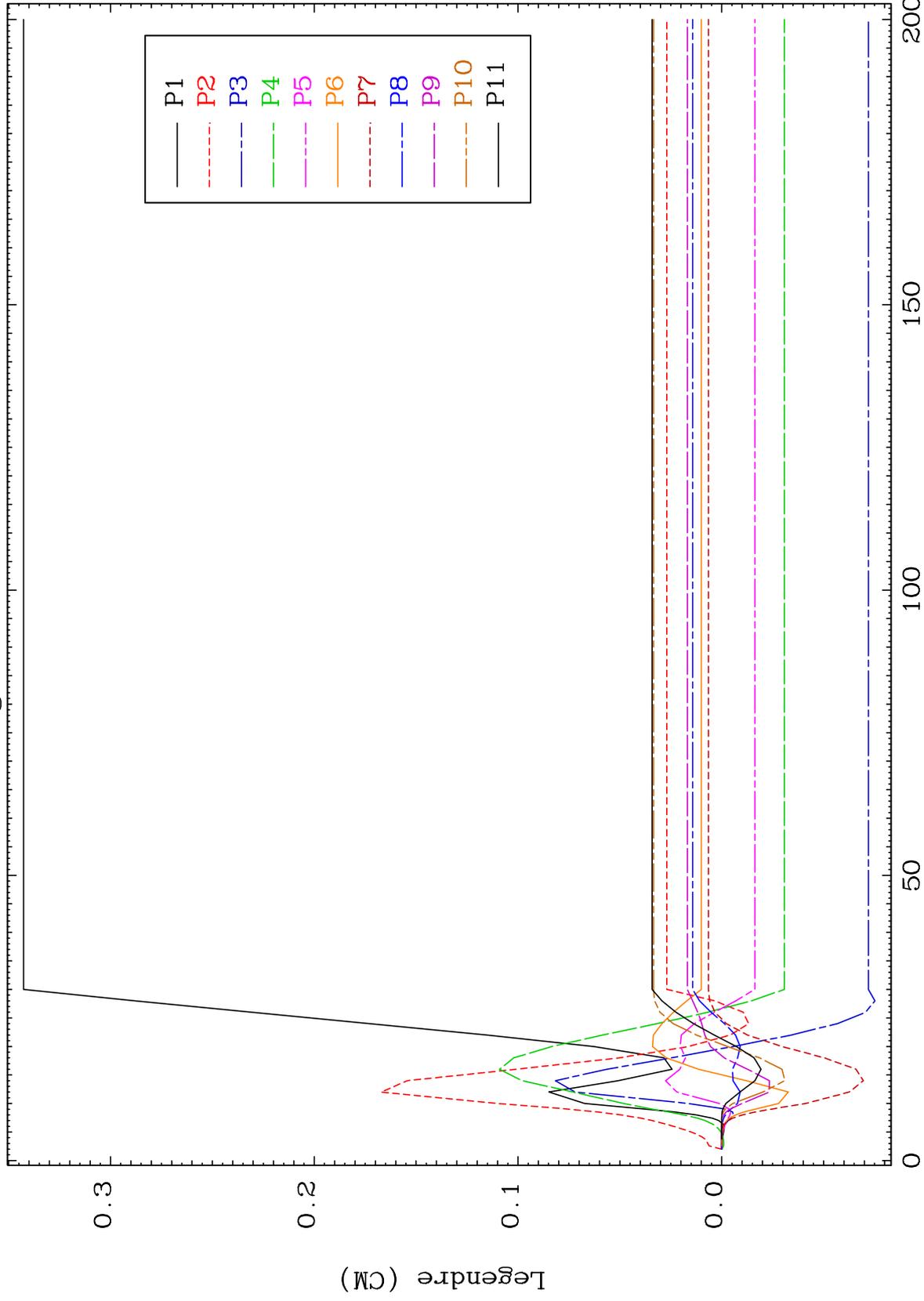
26-Fe-63



MAT 2652

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

26-Fe-63



49

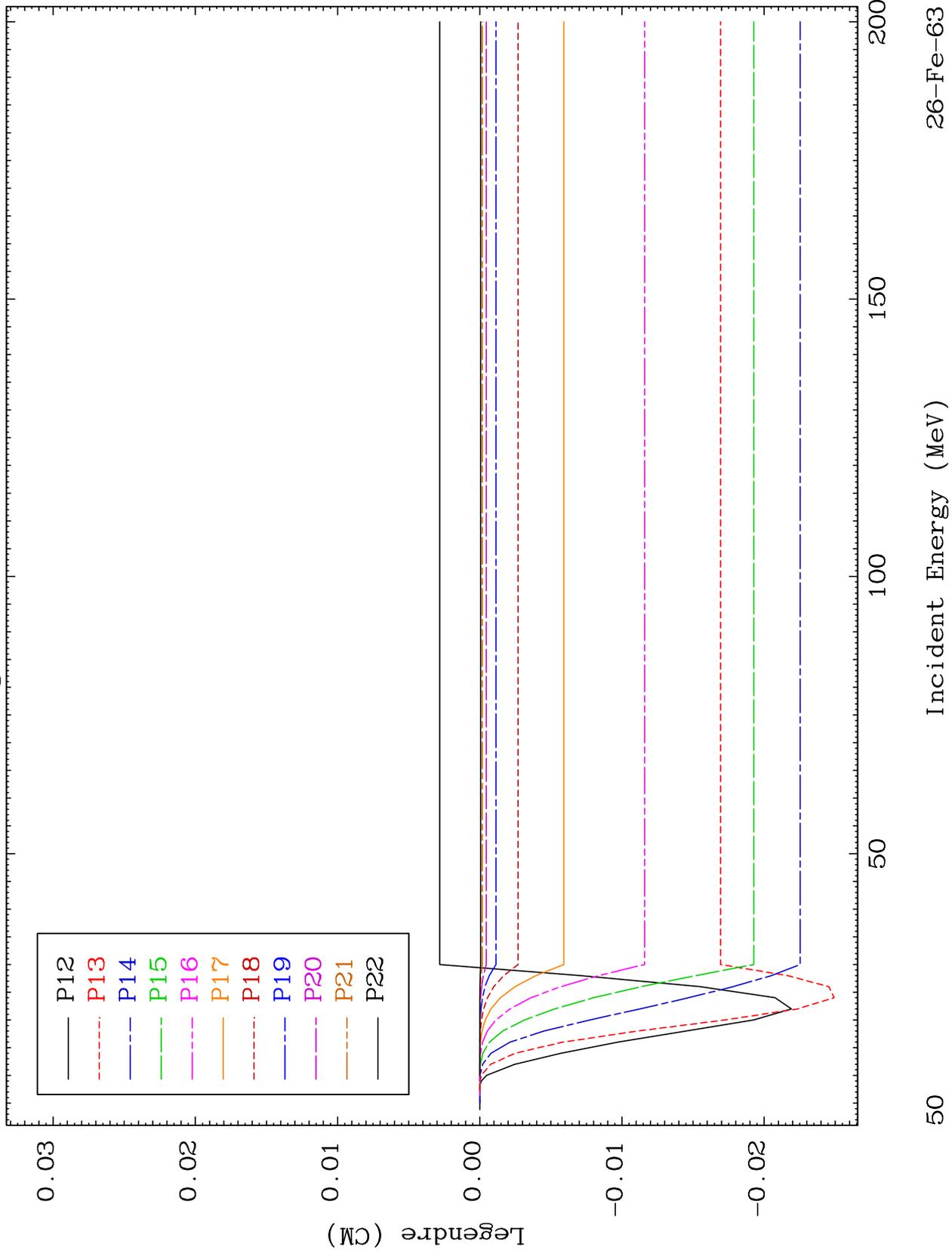
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

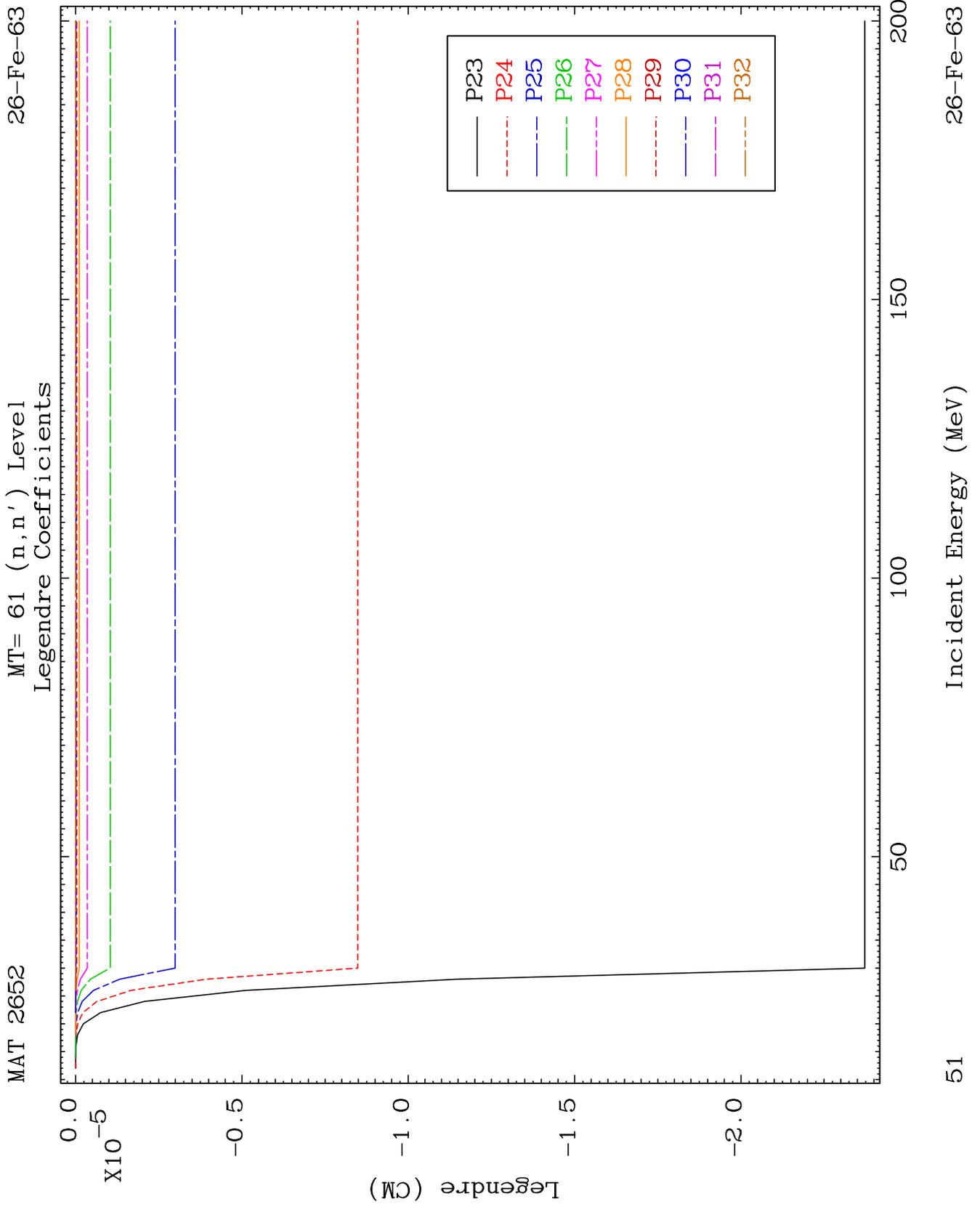
26-Fe-63



50

Incident Energy (MeV)

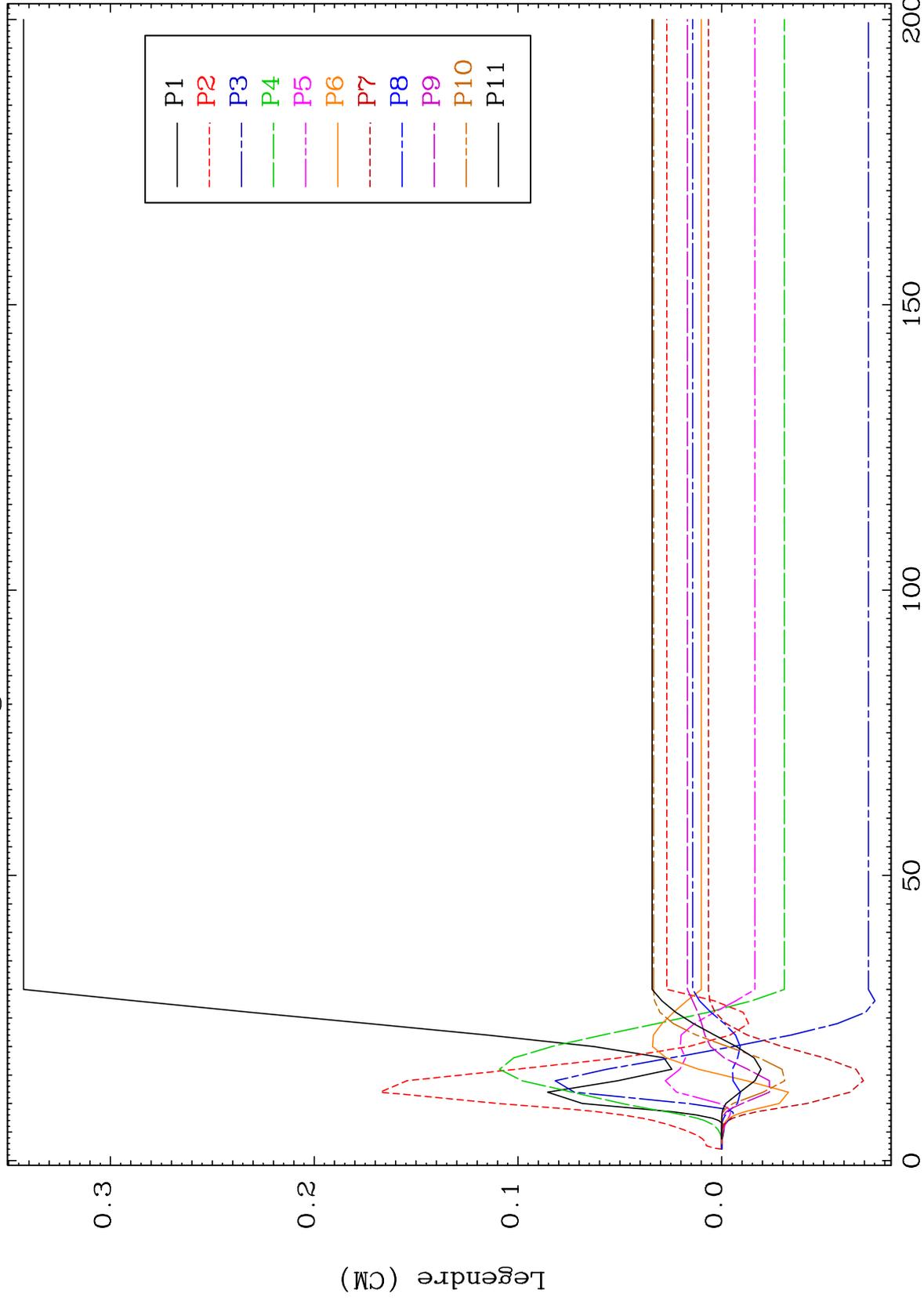
26-Fe-63



MAT 2652

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

26-Fe-63



52

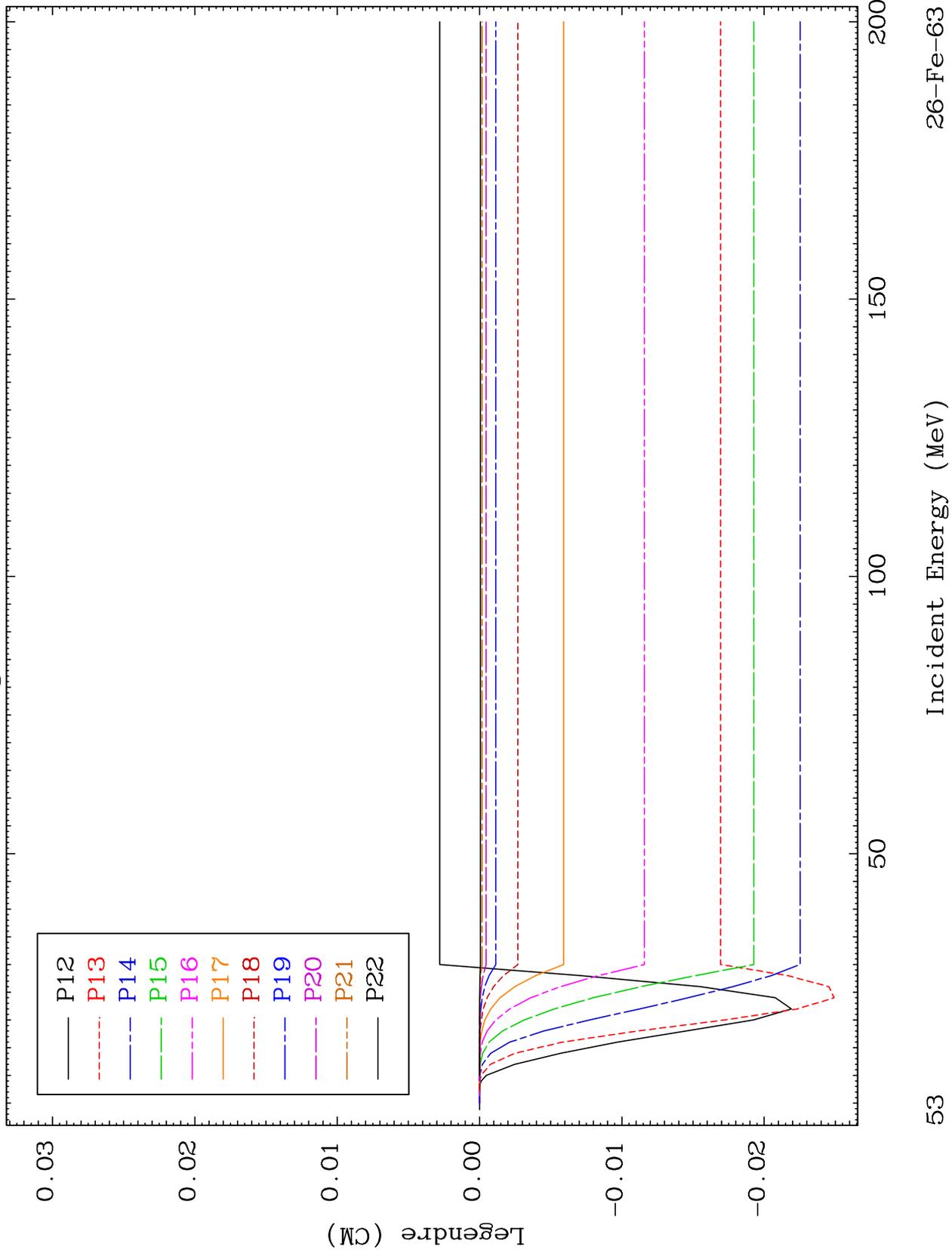
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

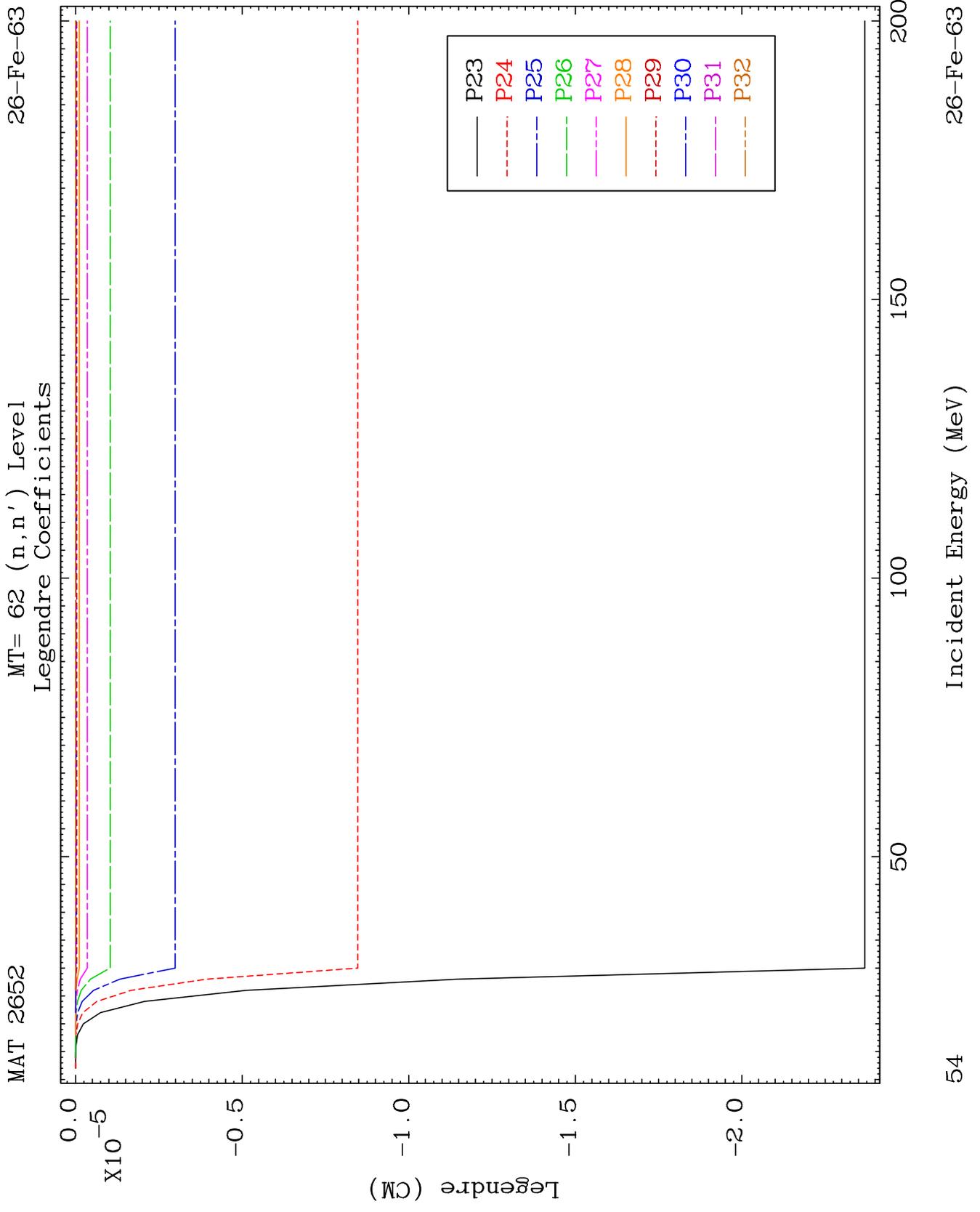
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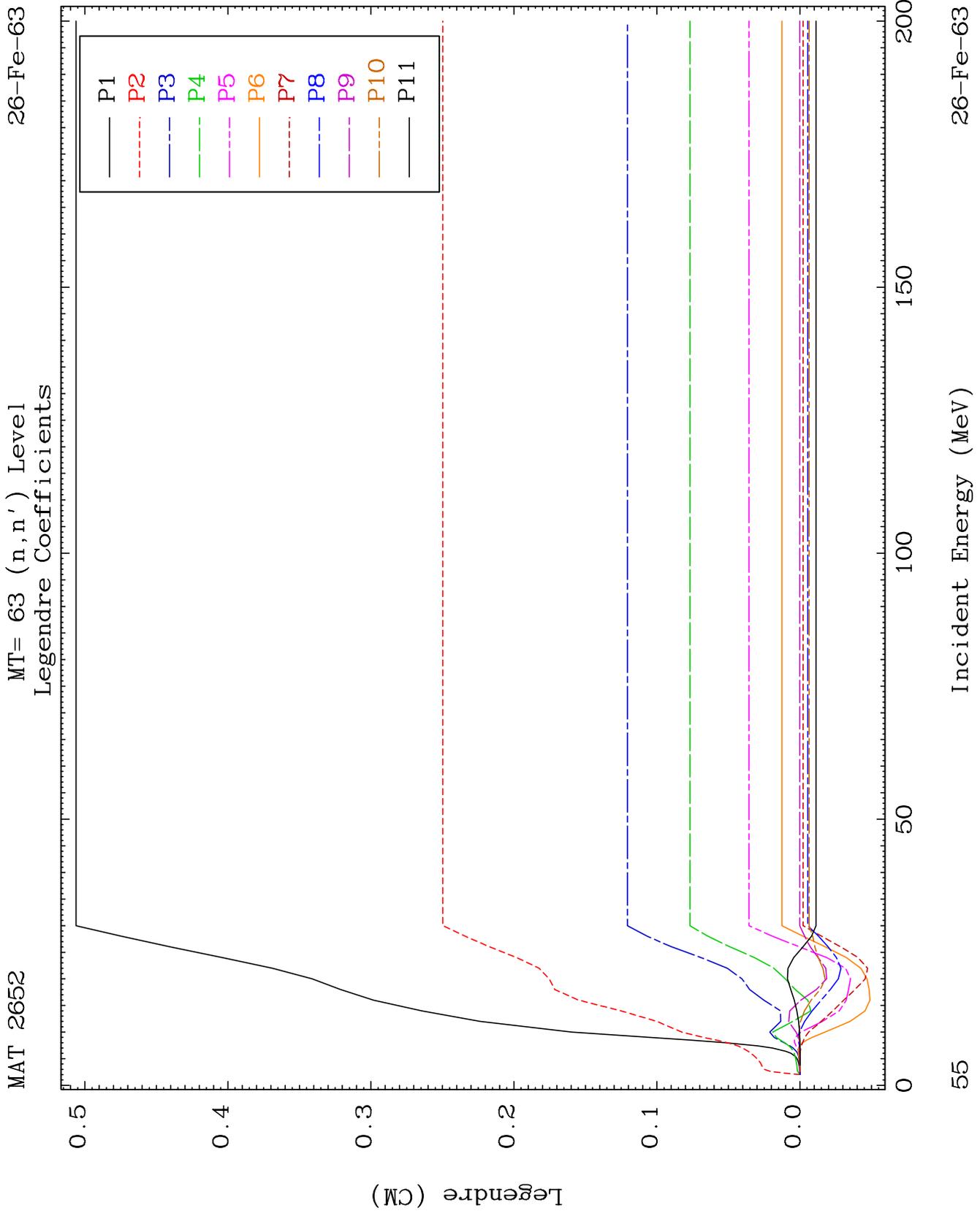


53

Incident Energy (MeV)

26-Fe-63

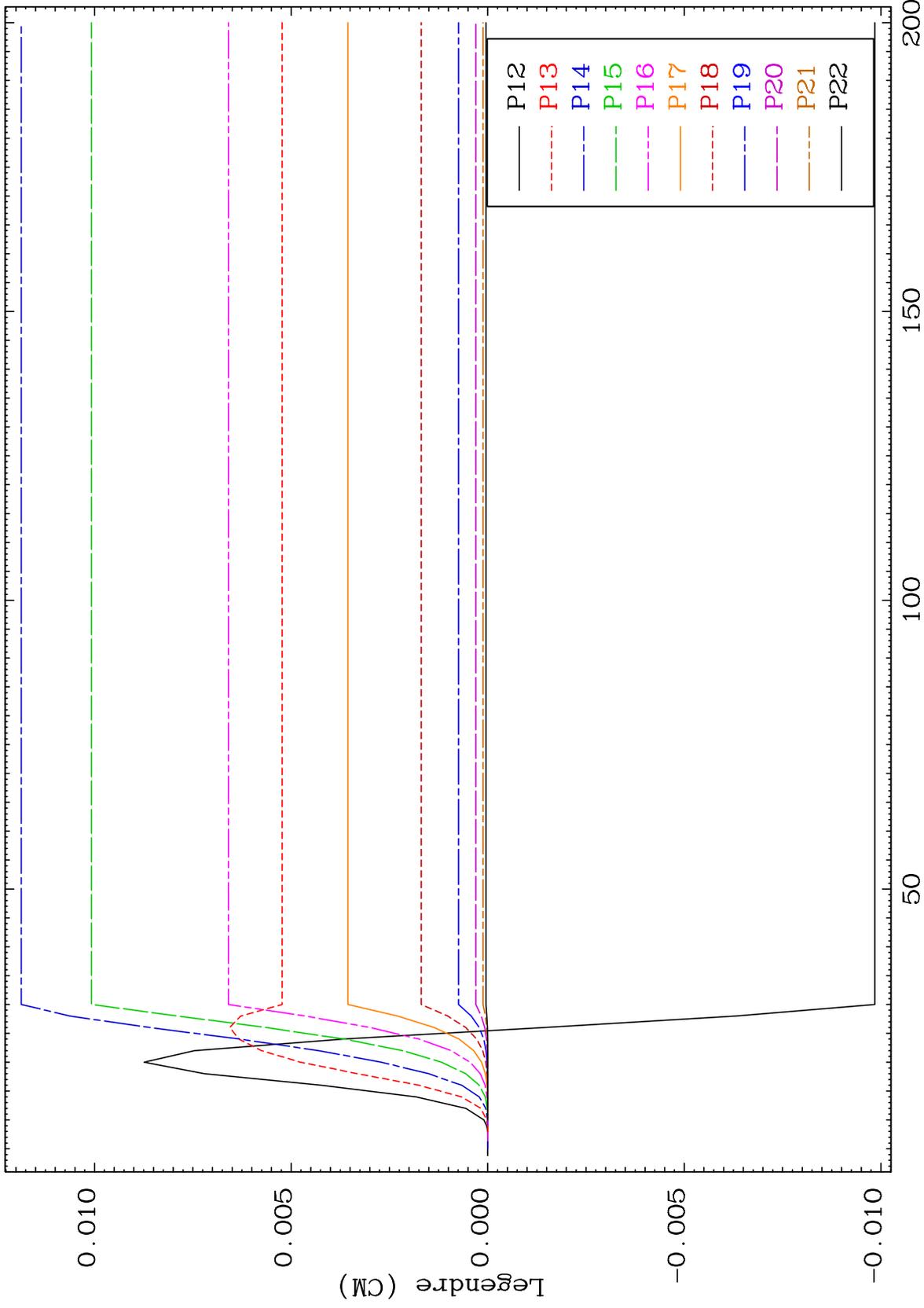




MAT 2652

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

26-Fe-63



56

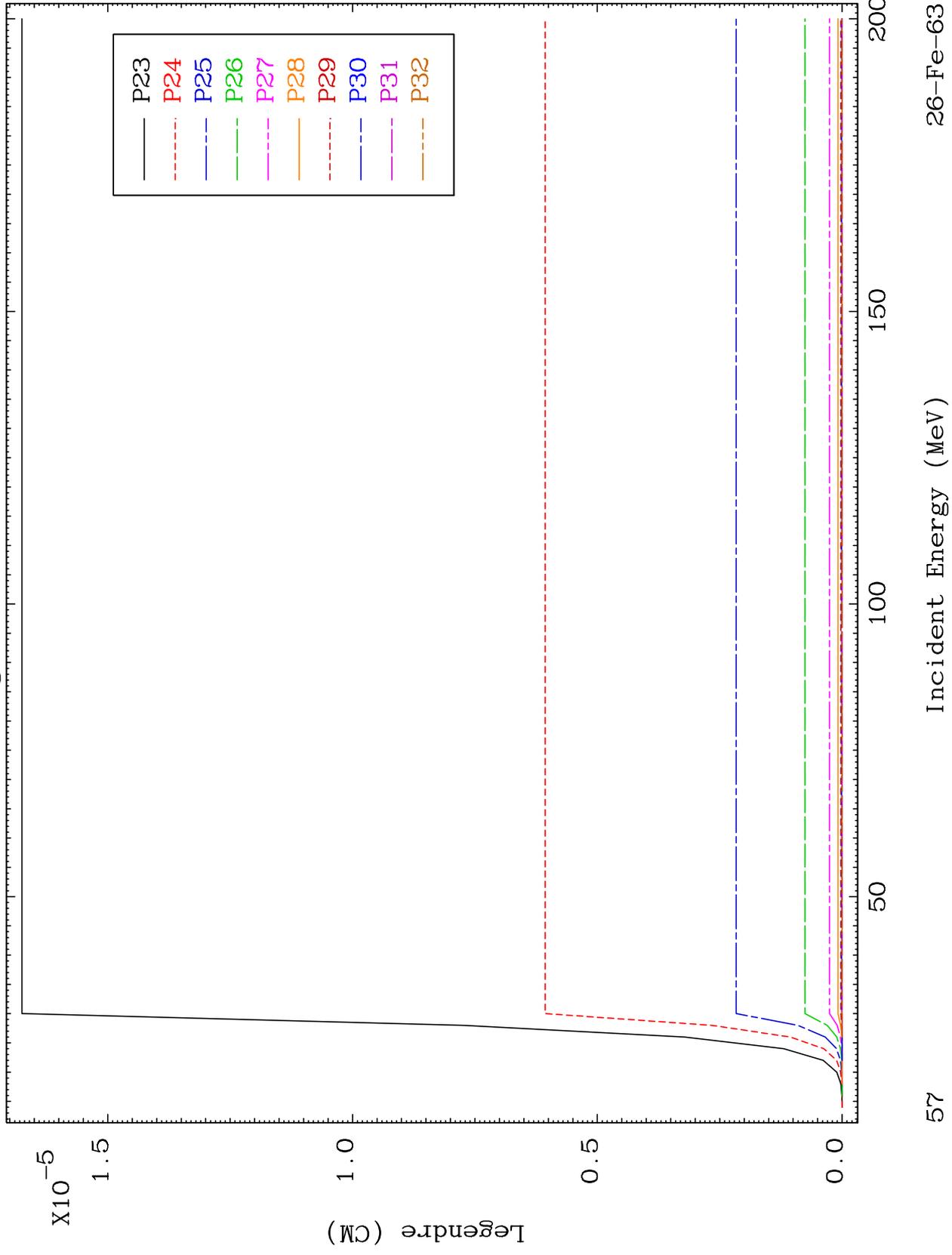
Incident Energy (MeV)

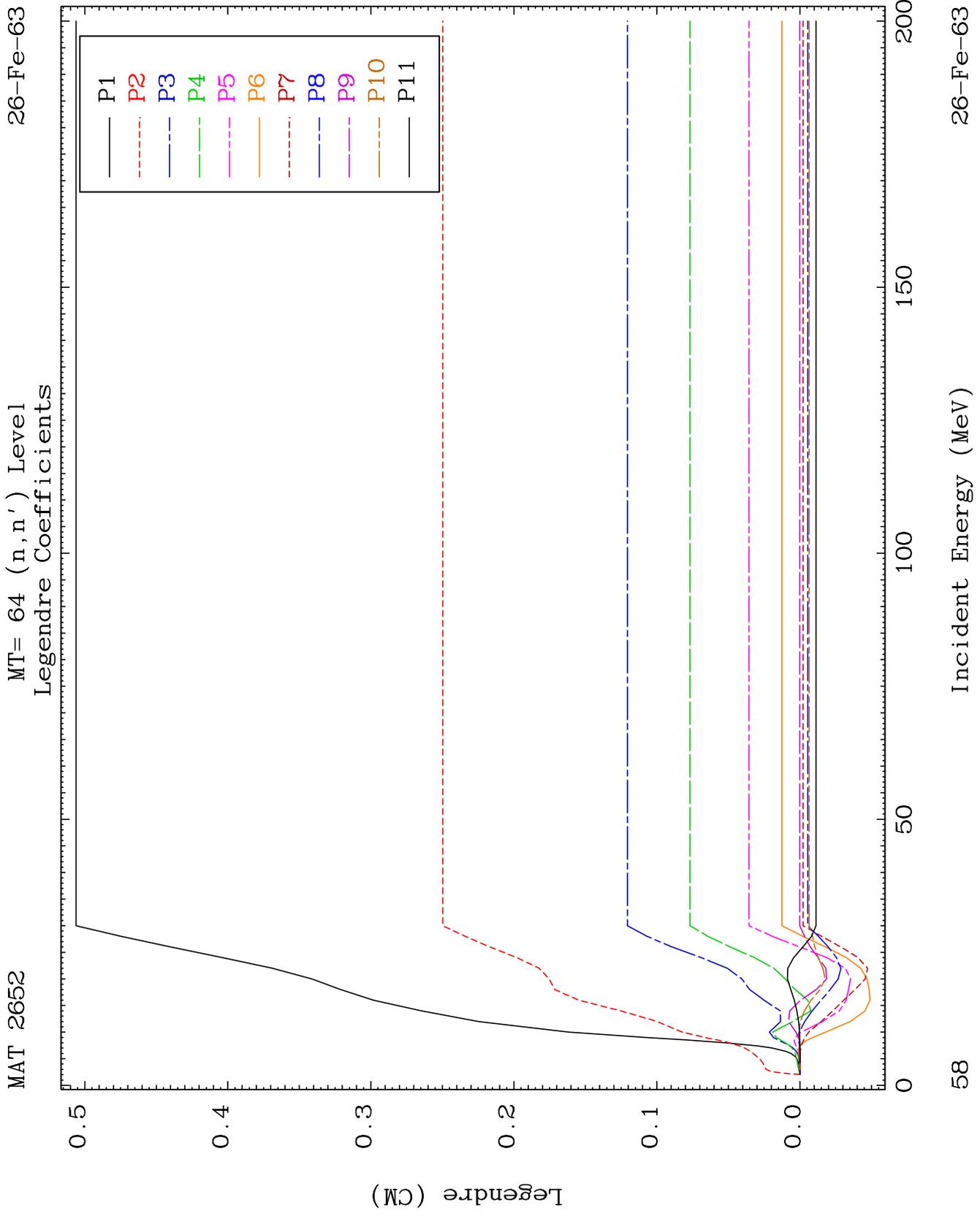
26-Fe-63

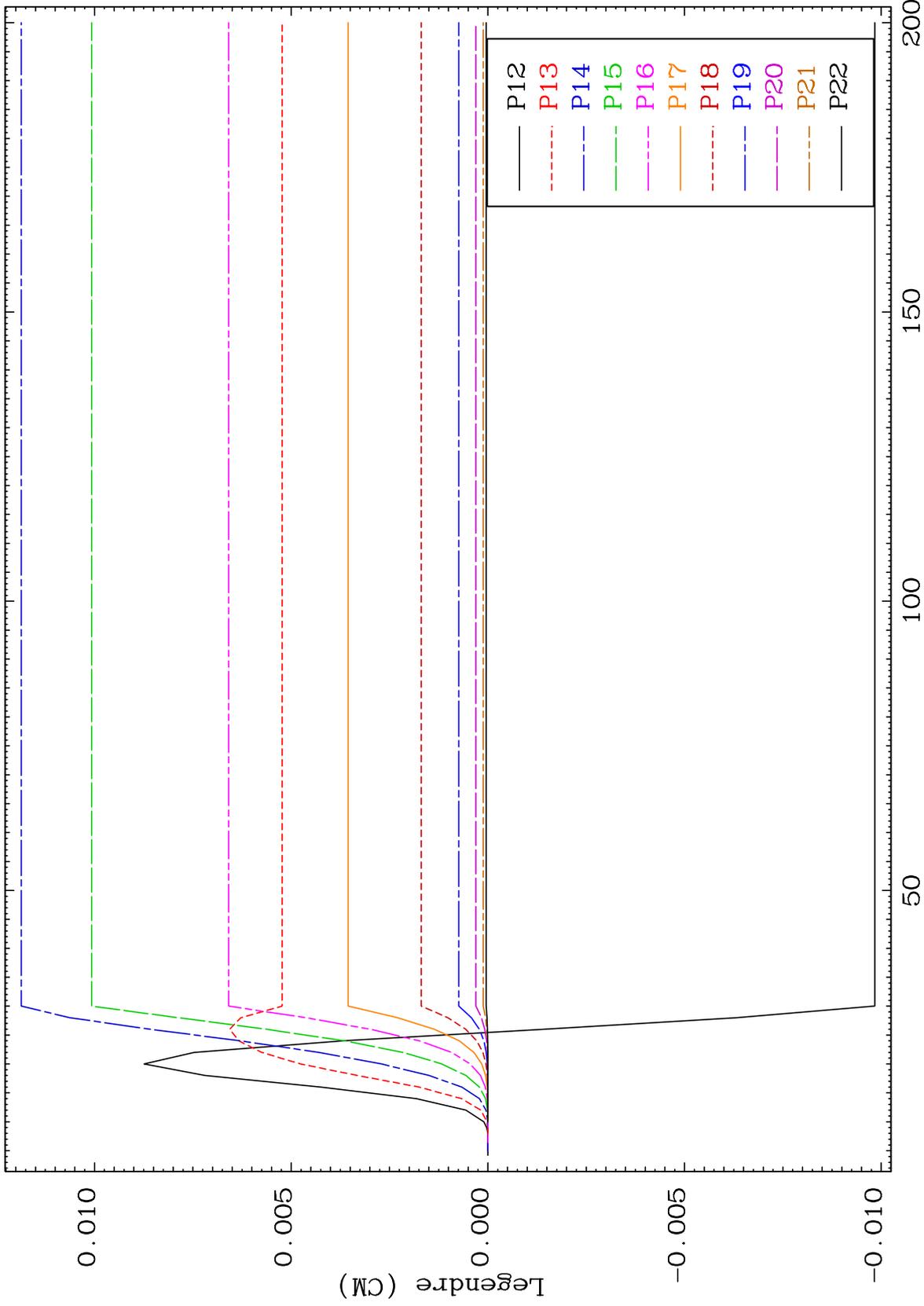
MAT 2652

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

26-Fe-63



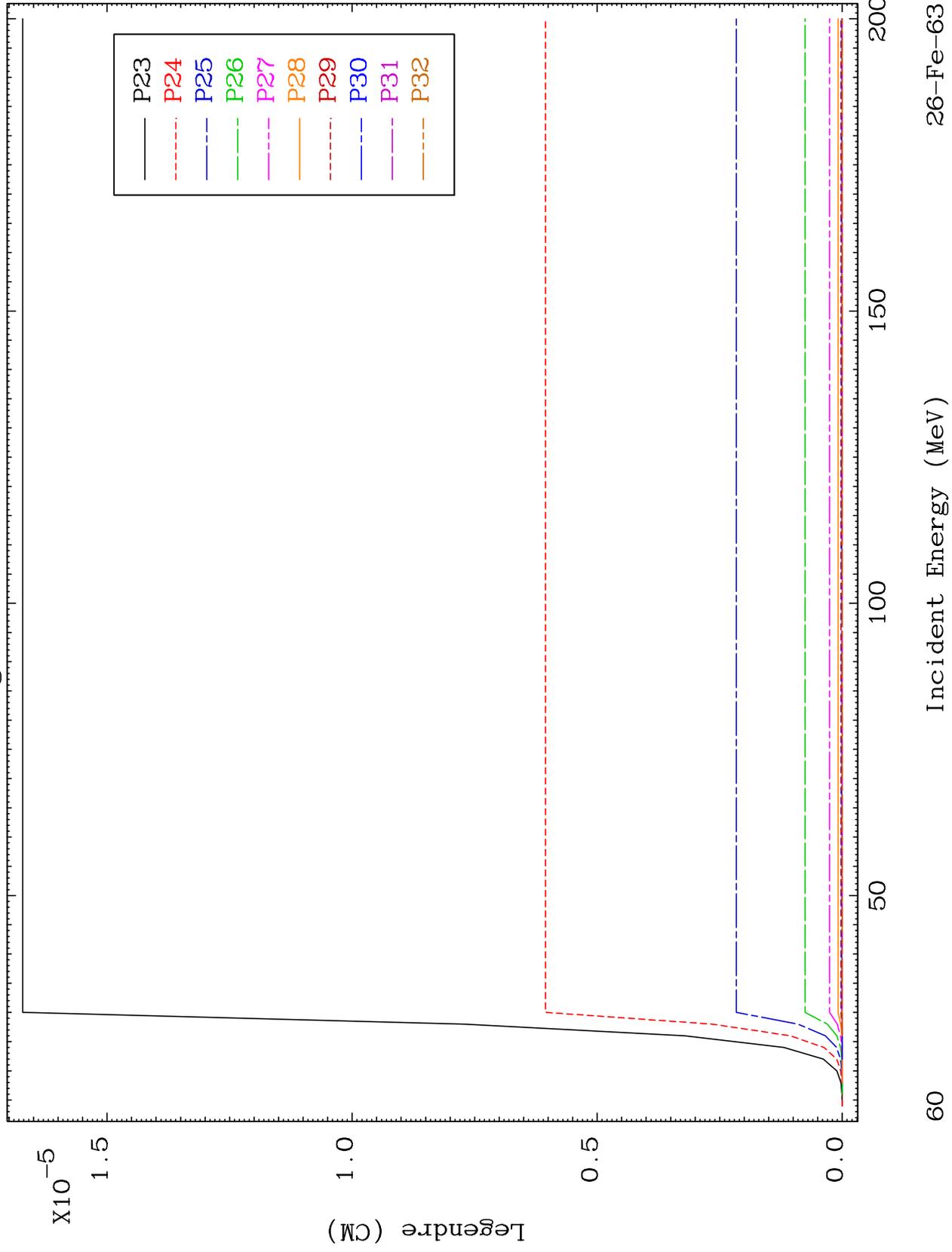




MAT 2652

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

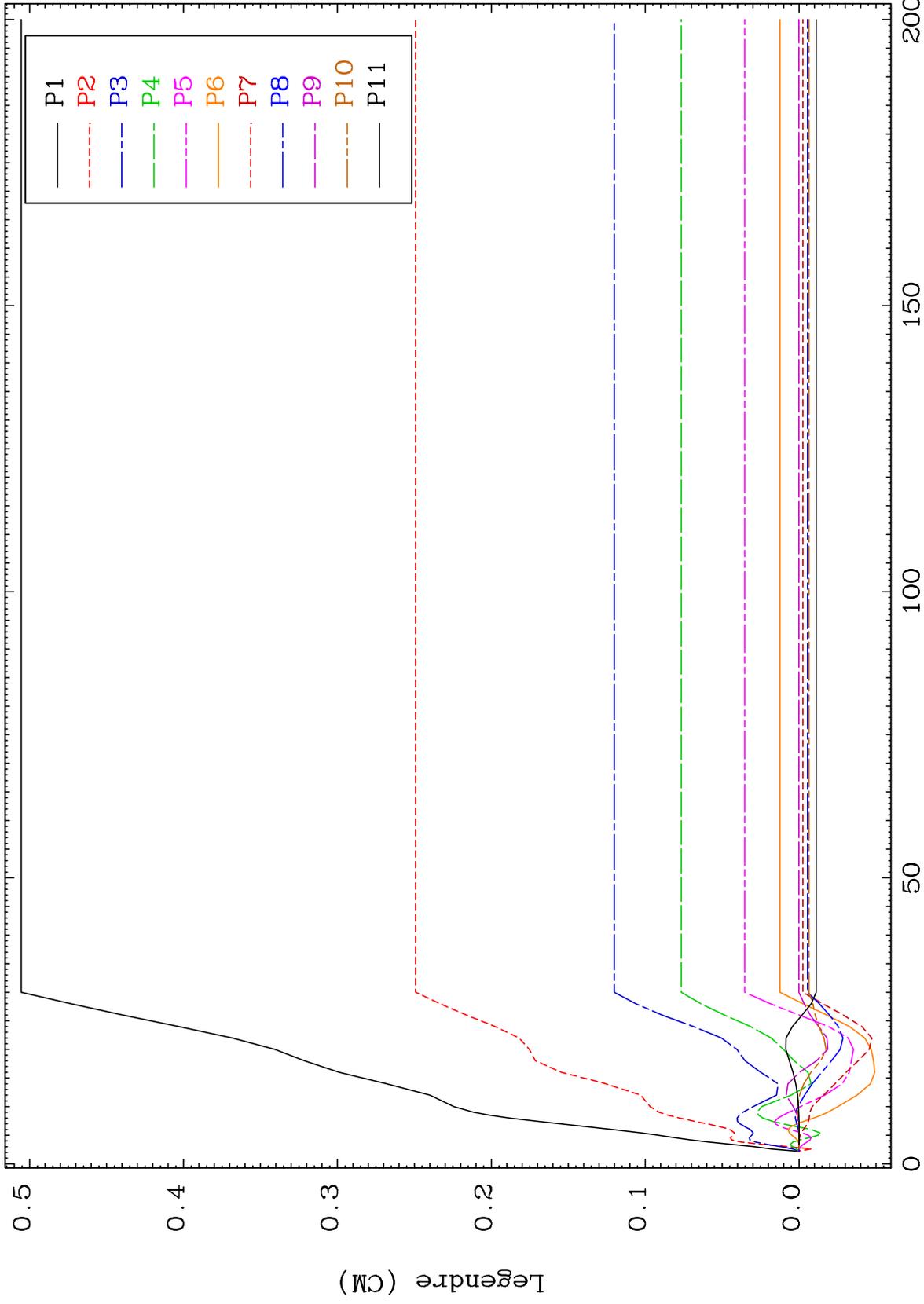
26-Fe-63



MAT 2652

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

26-Fe-63



26-Fe-63

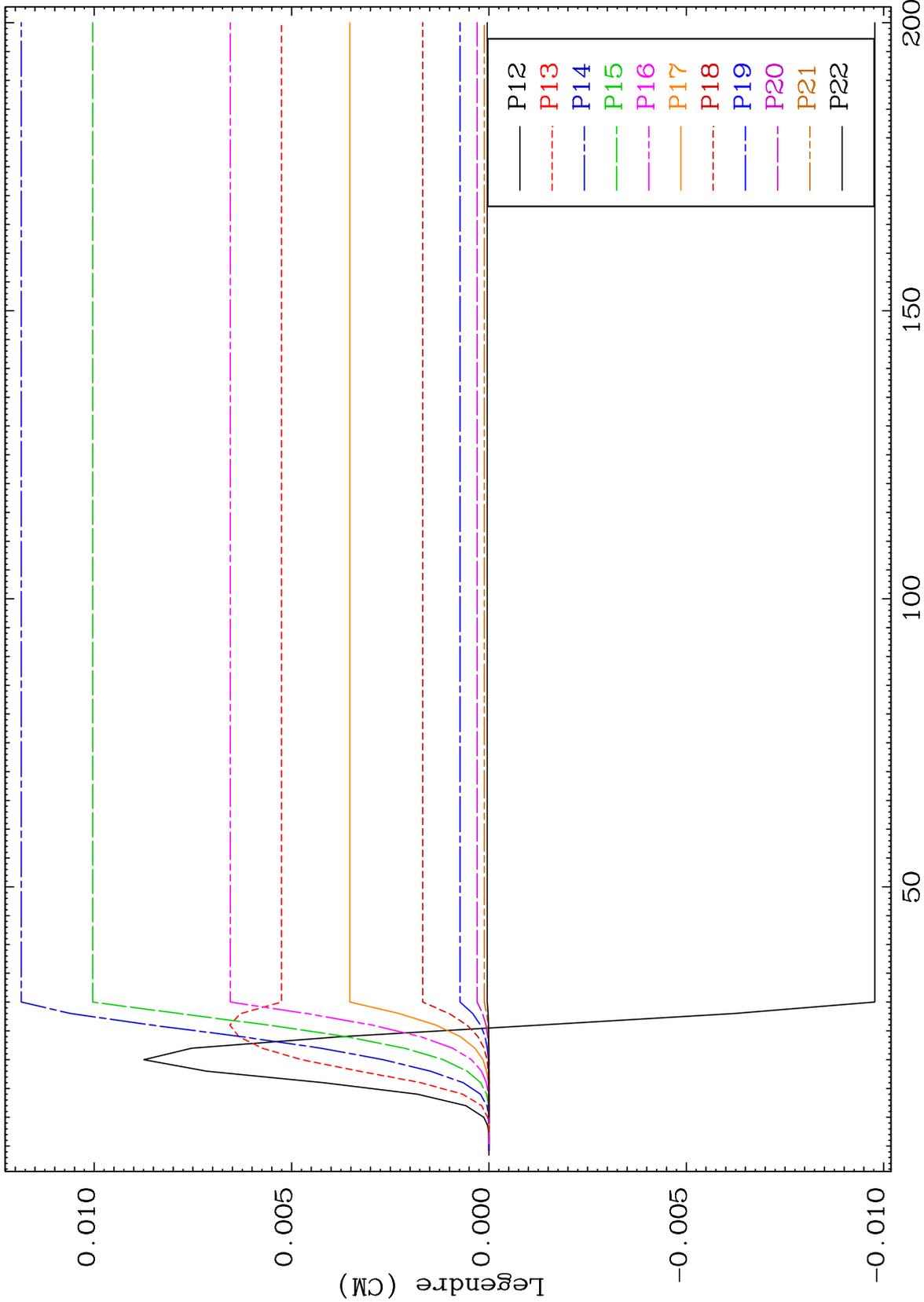
Incident Energy (MeV)

61

MAT 2652

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

26-Fe-63



62

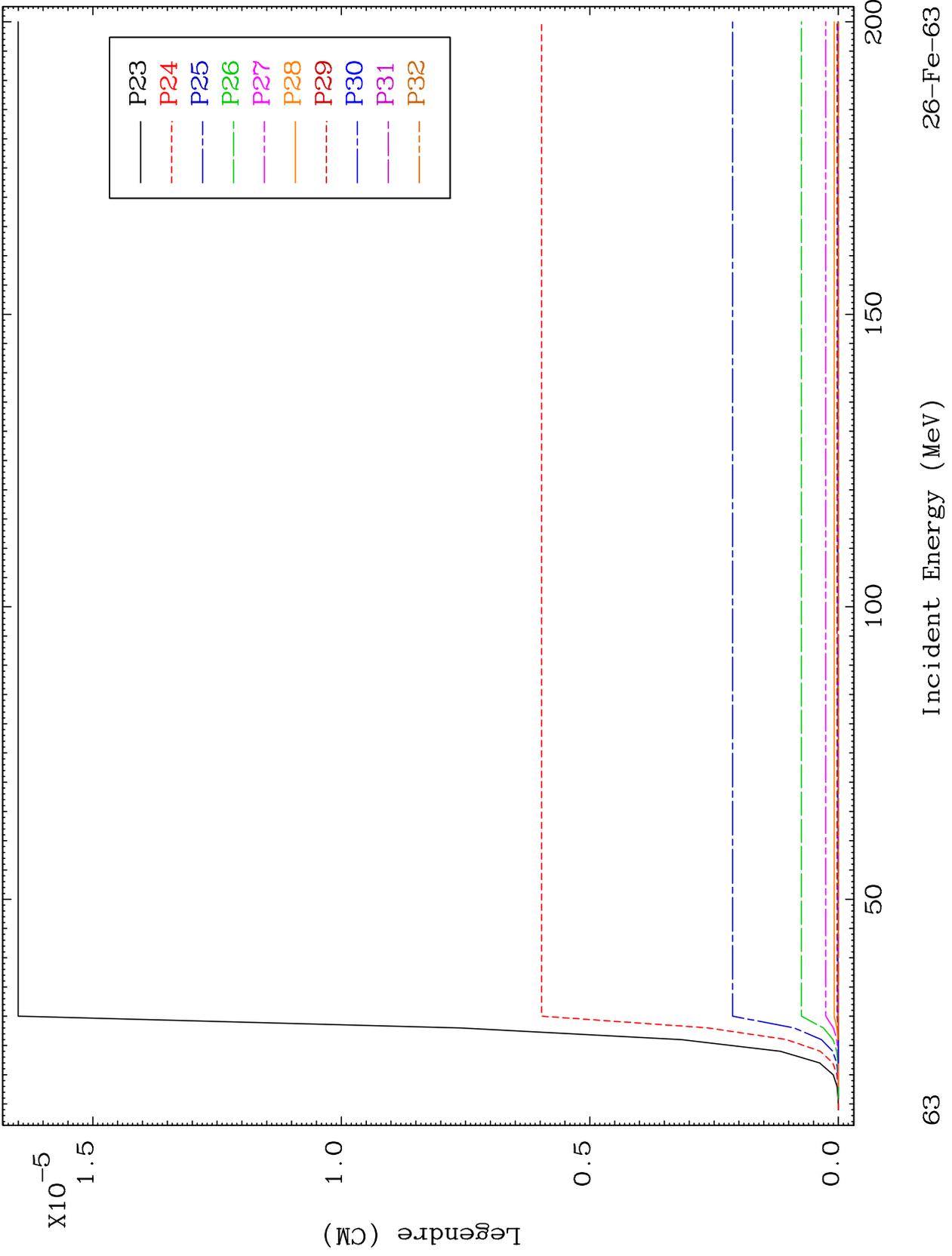
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

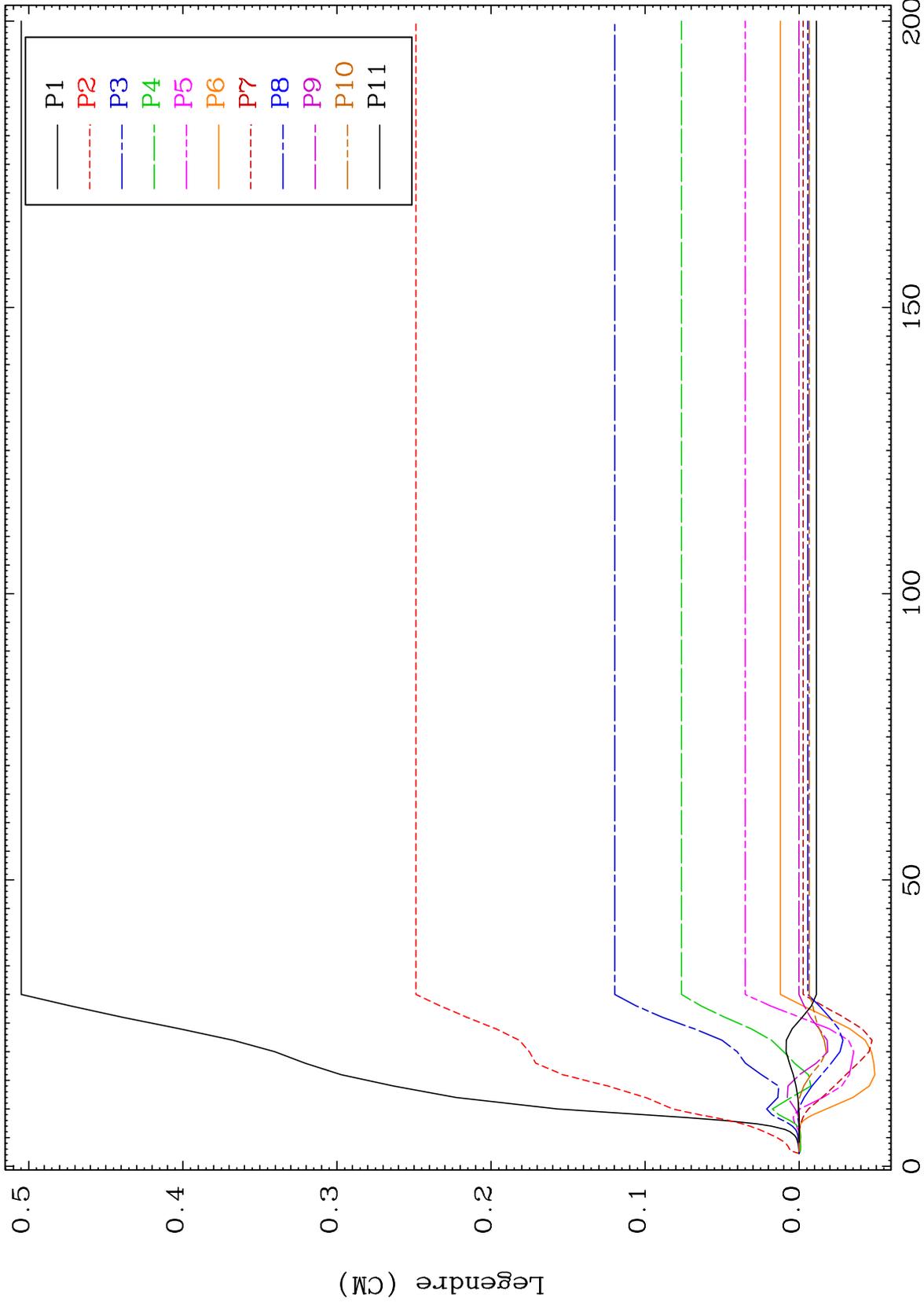
26-Fe-63



MAT 2652

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

26-Fe-63



64

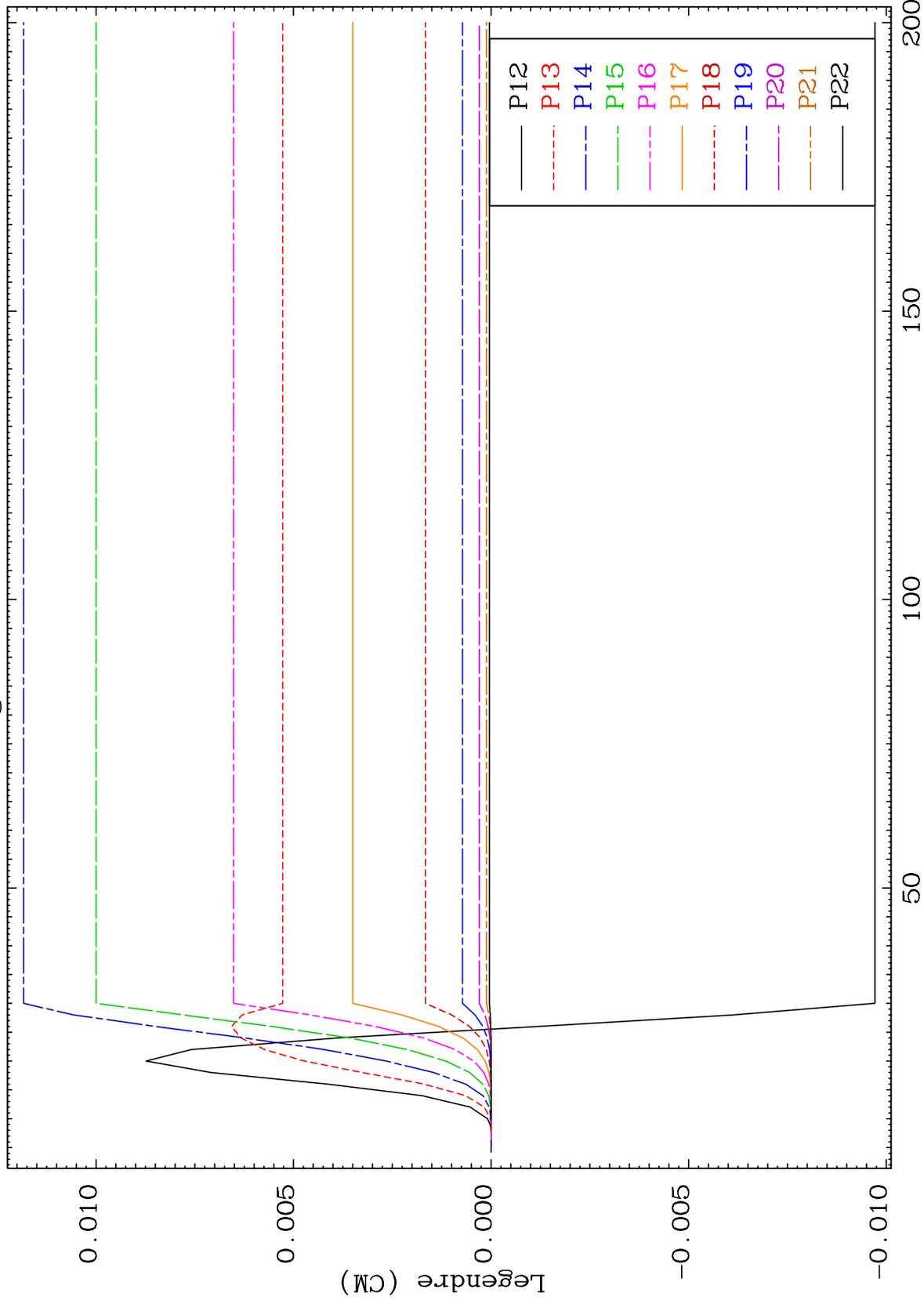
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



65

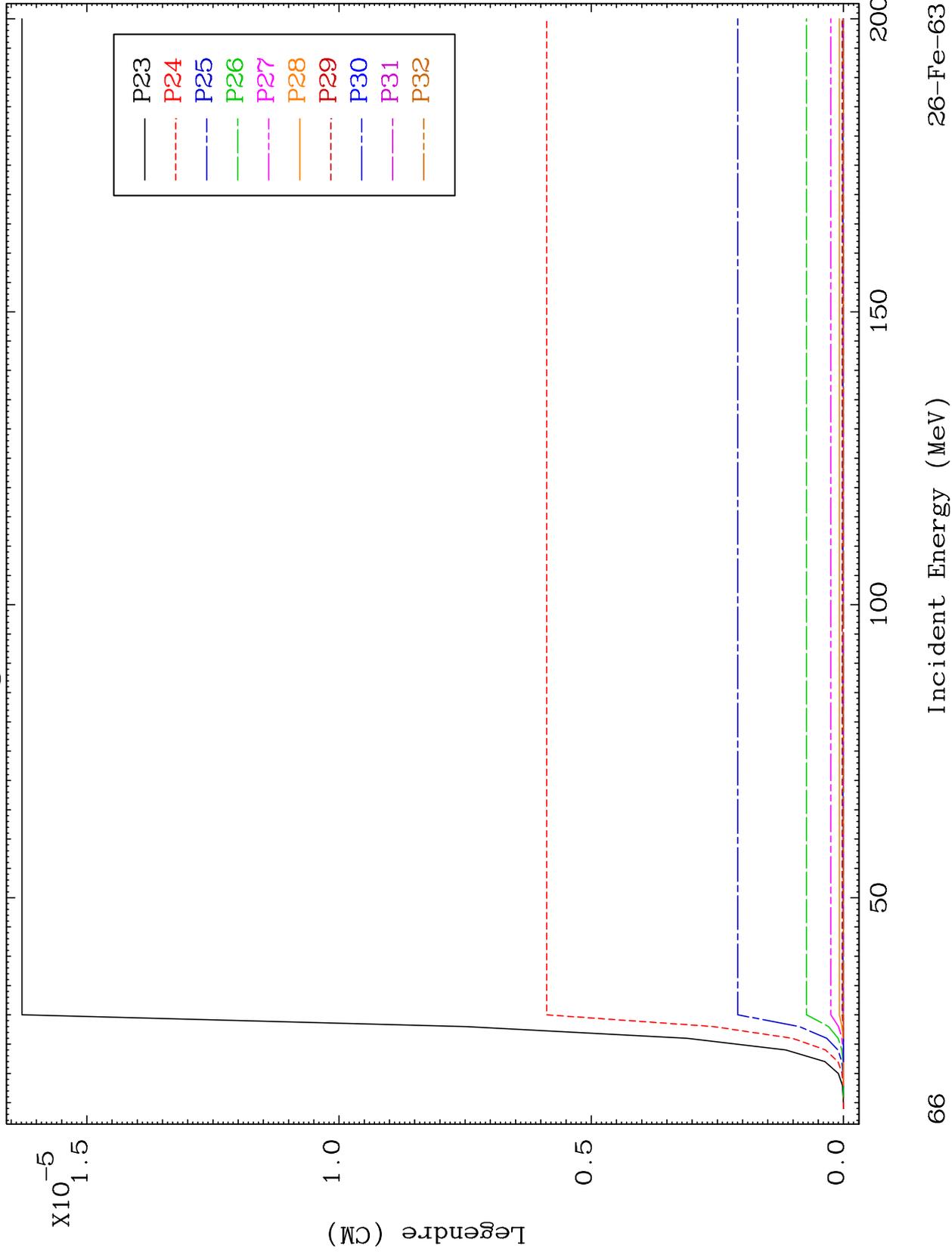
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



66

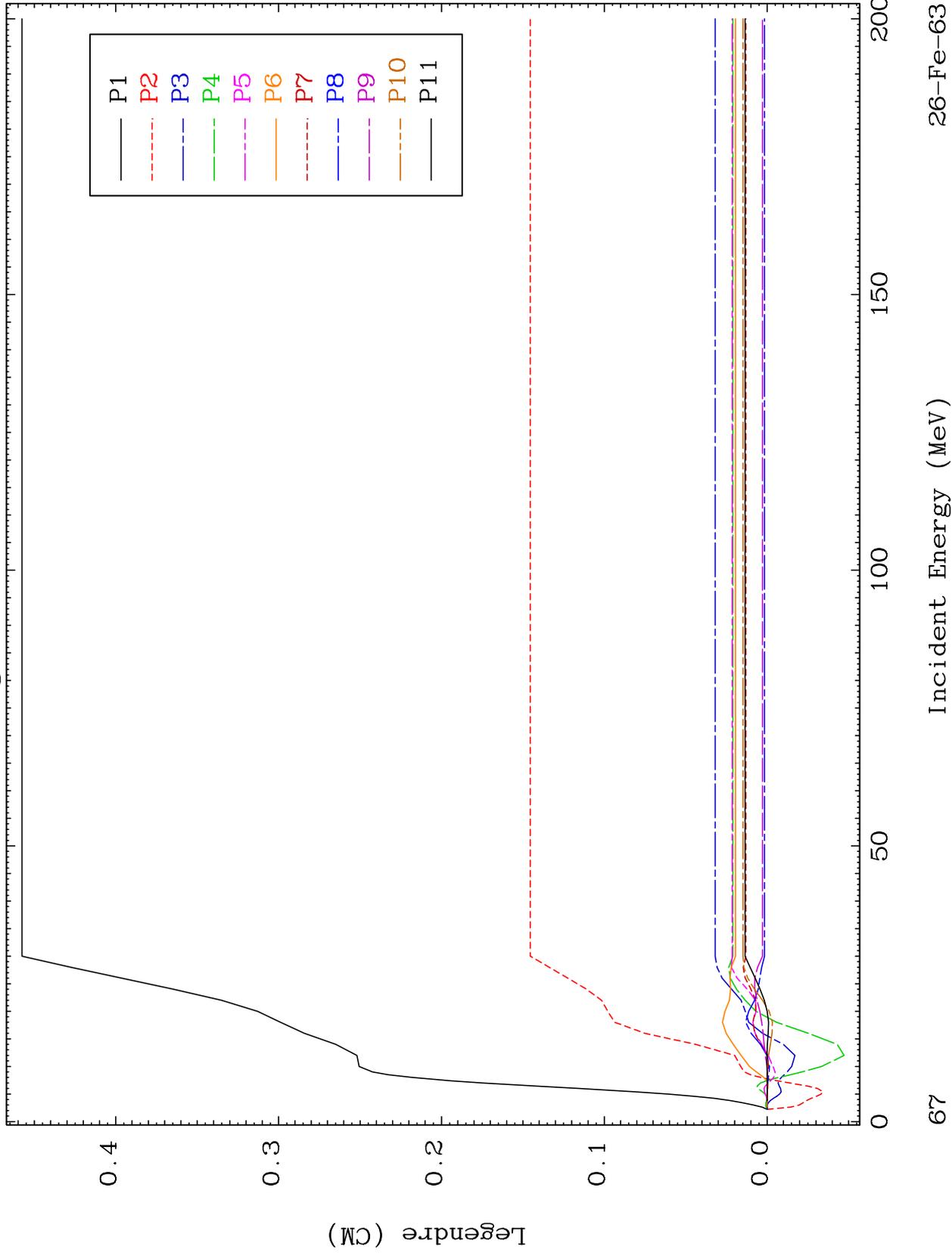
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



26-Fe-63

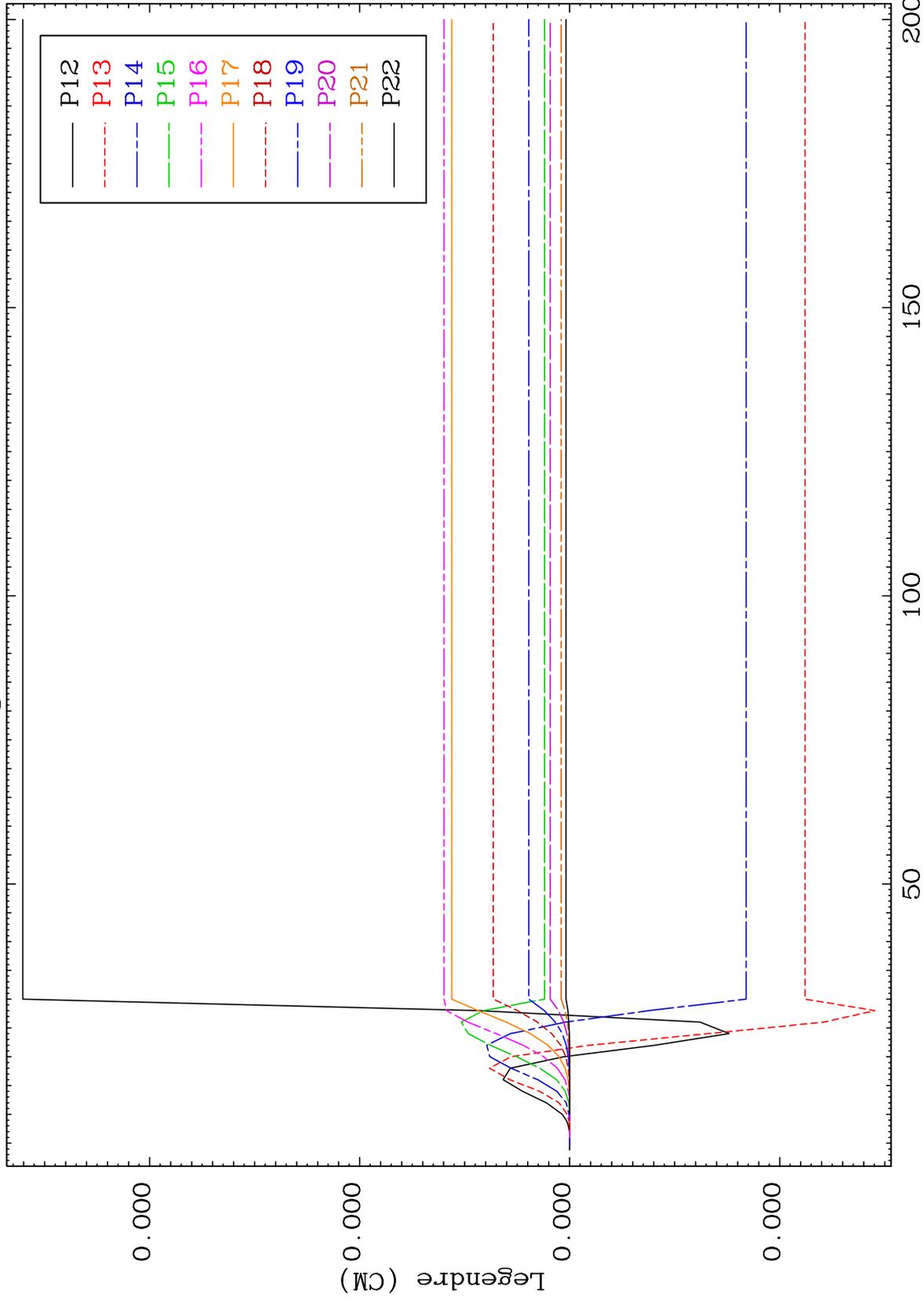
Incident Energy (MeV)

67

MAT 2652

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

26-Fe-63



68

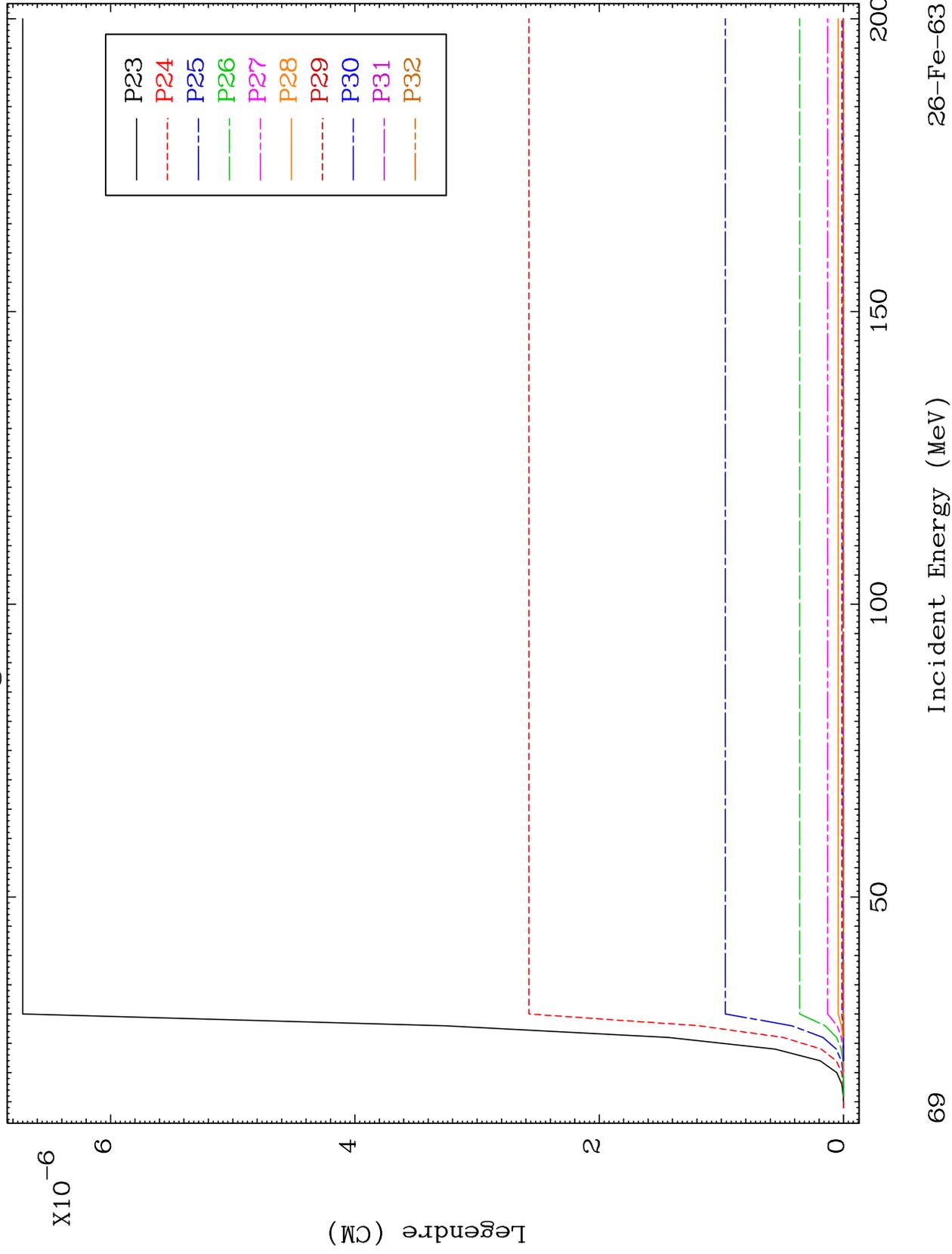
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



69

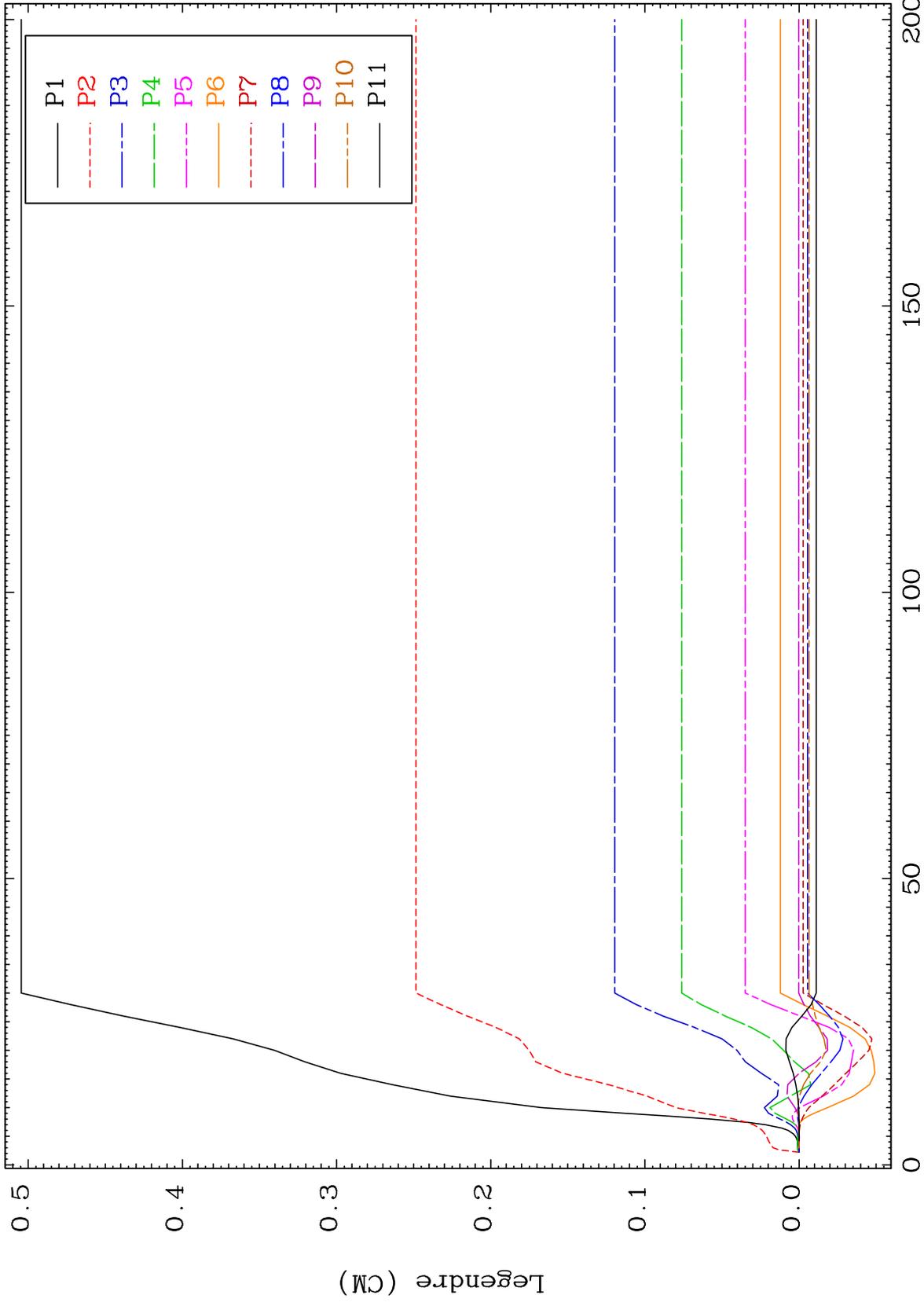
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



70

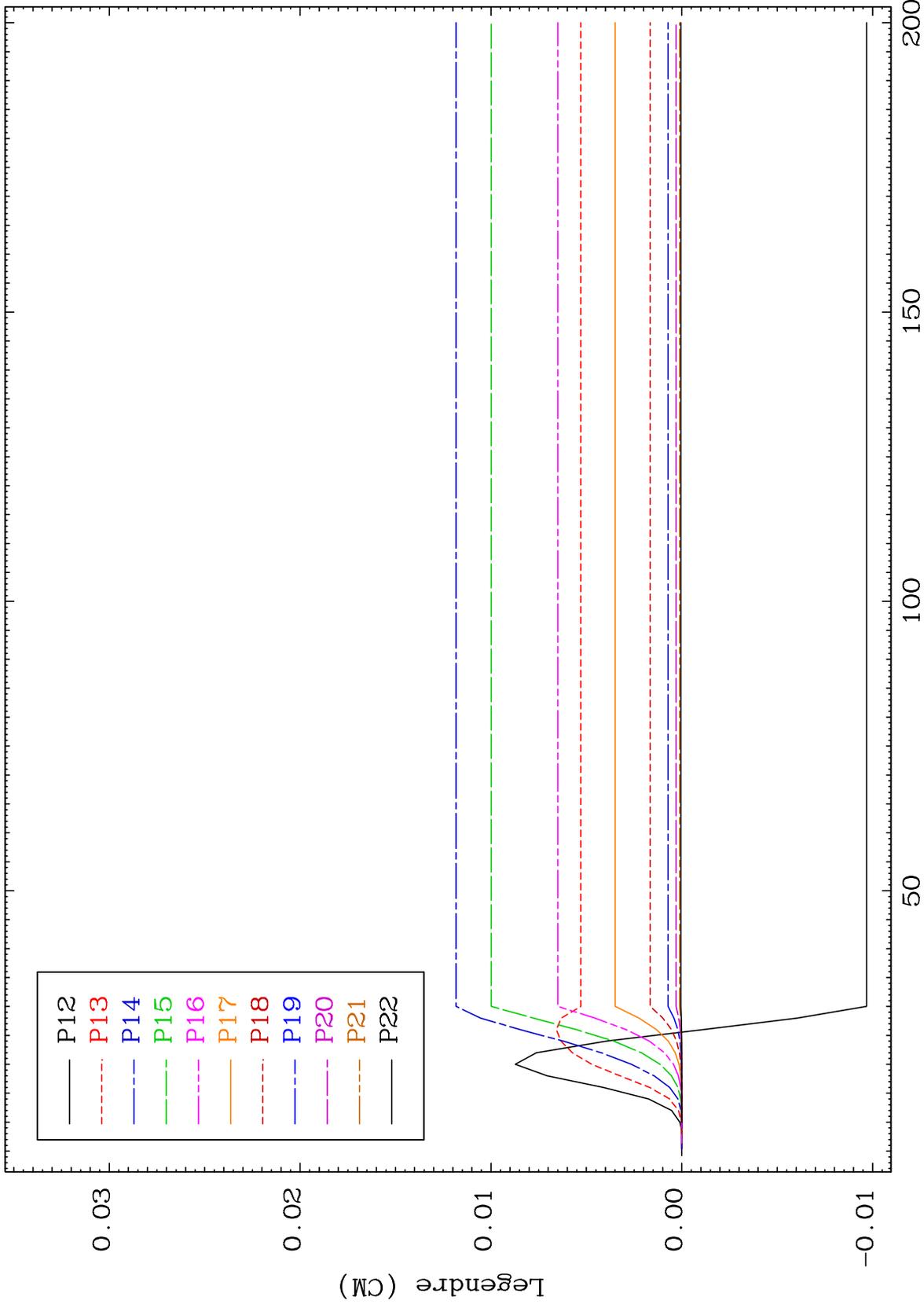
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



71

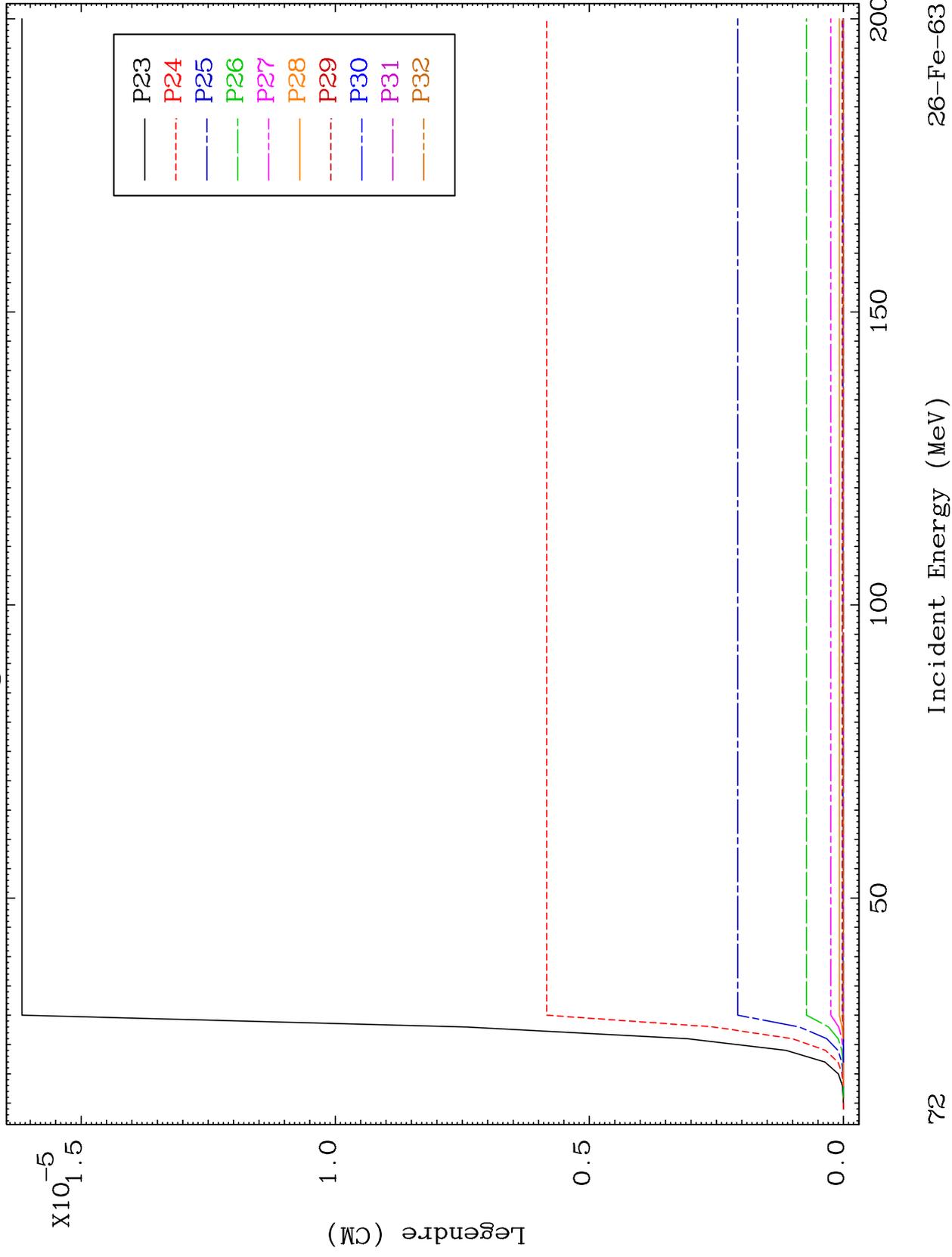
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

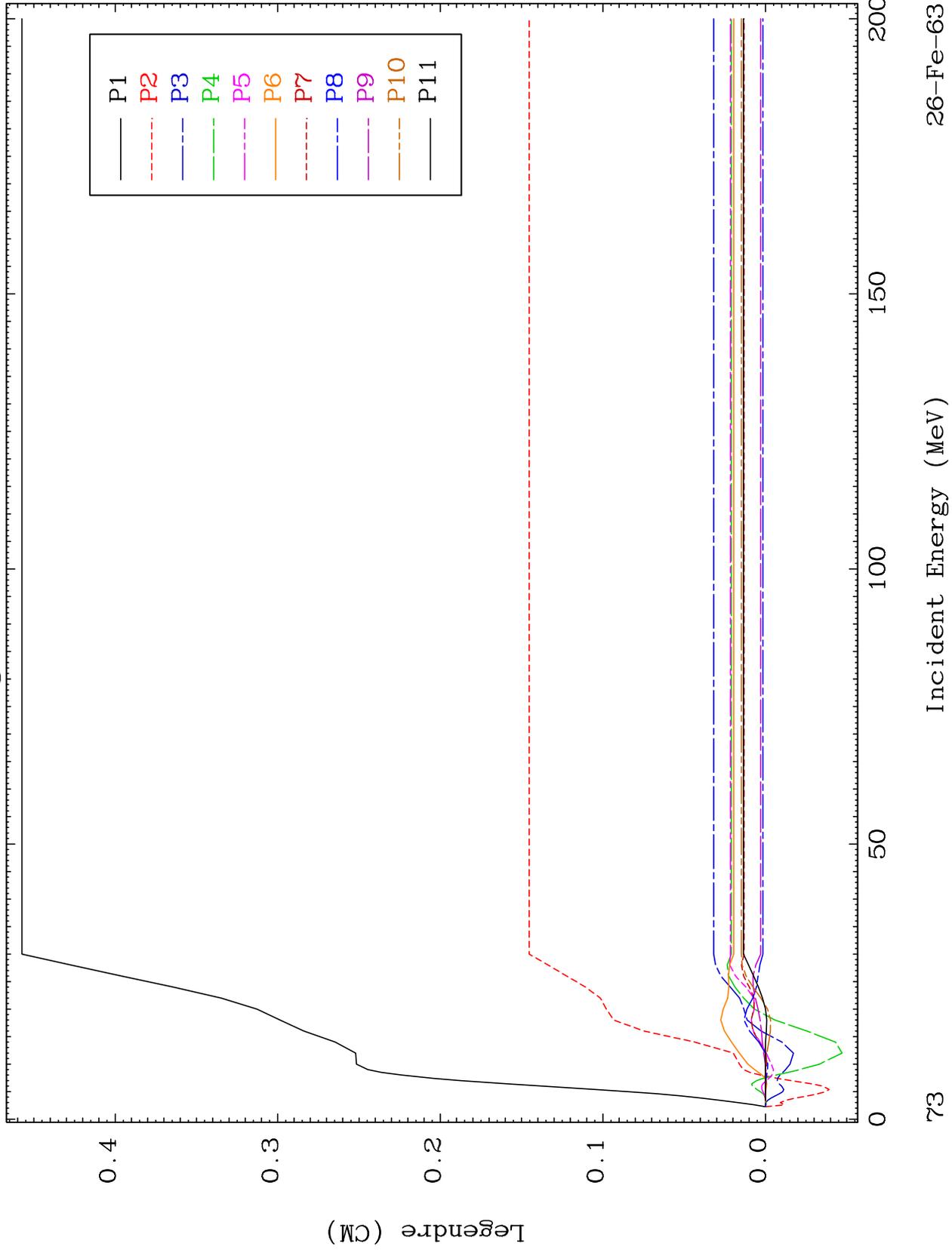
26-Fe-63



MAT 2652

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

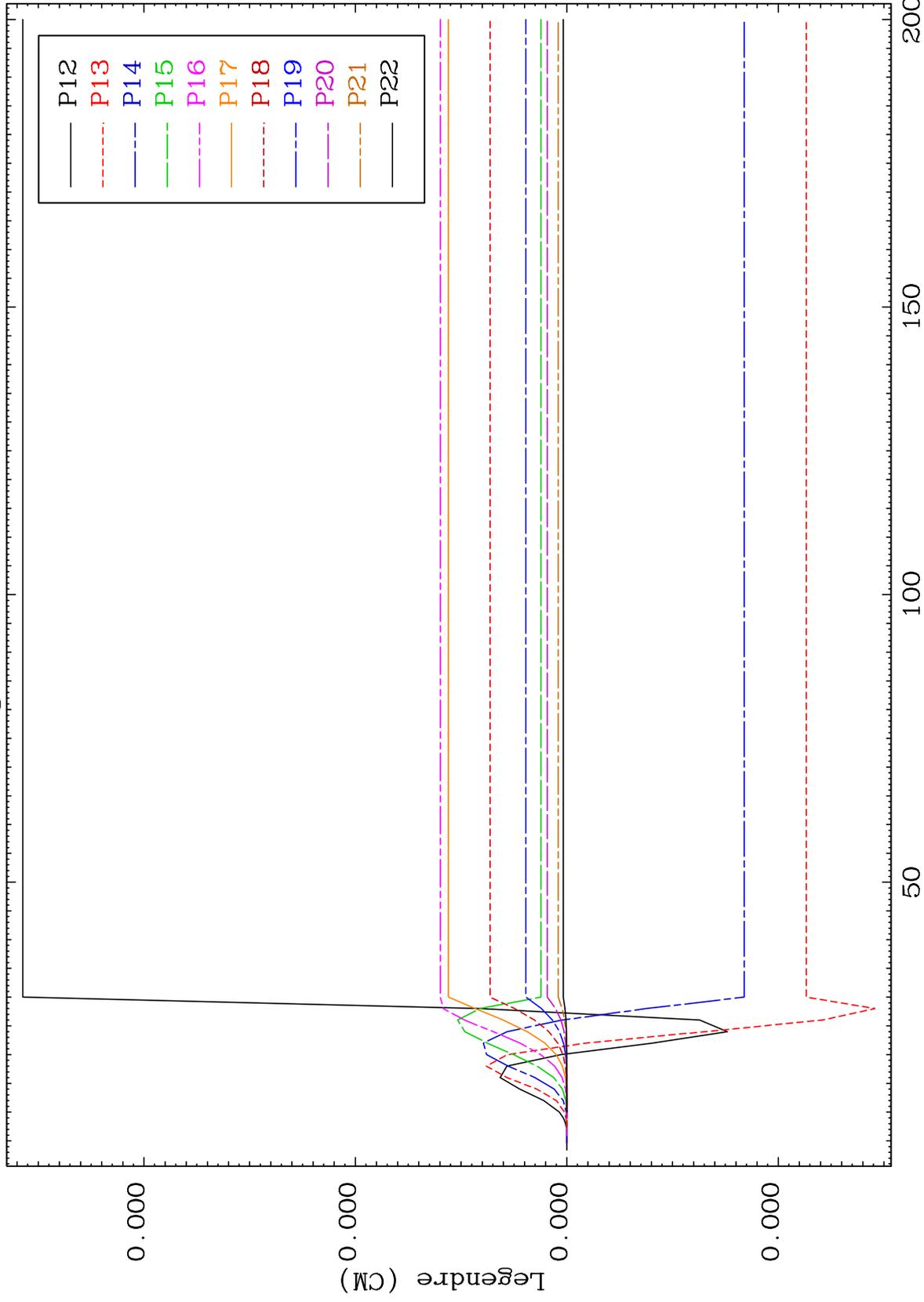
26-Fe-63



MAT 2652

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

26-Fe-63



74

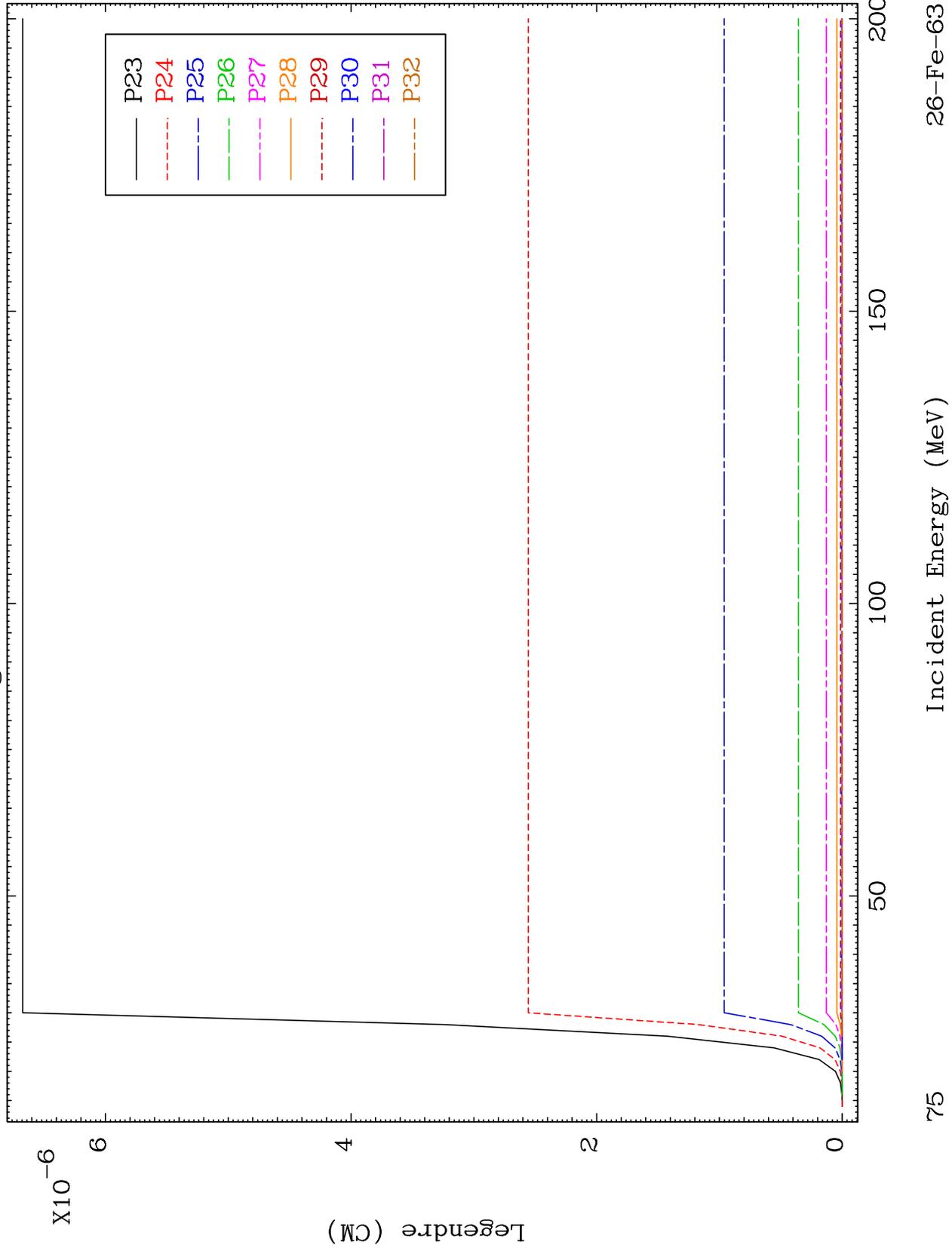
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

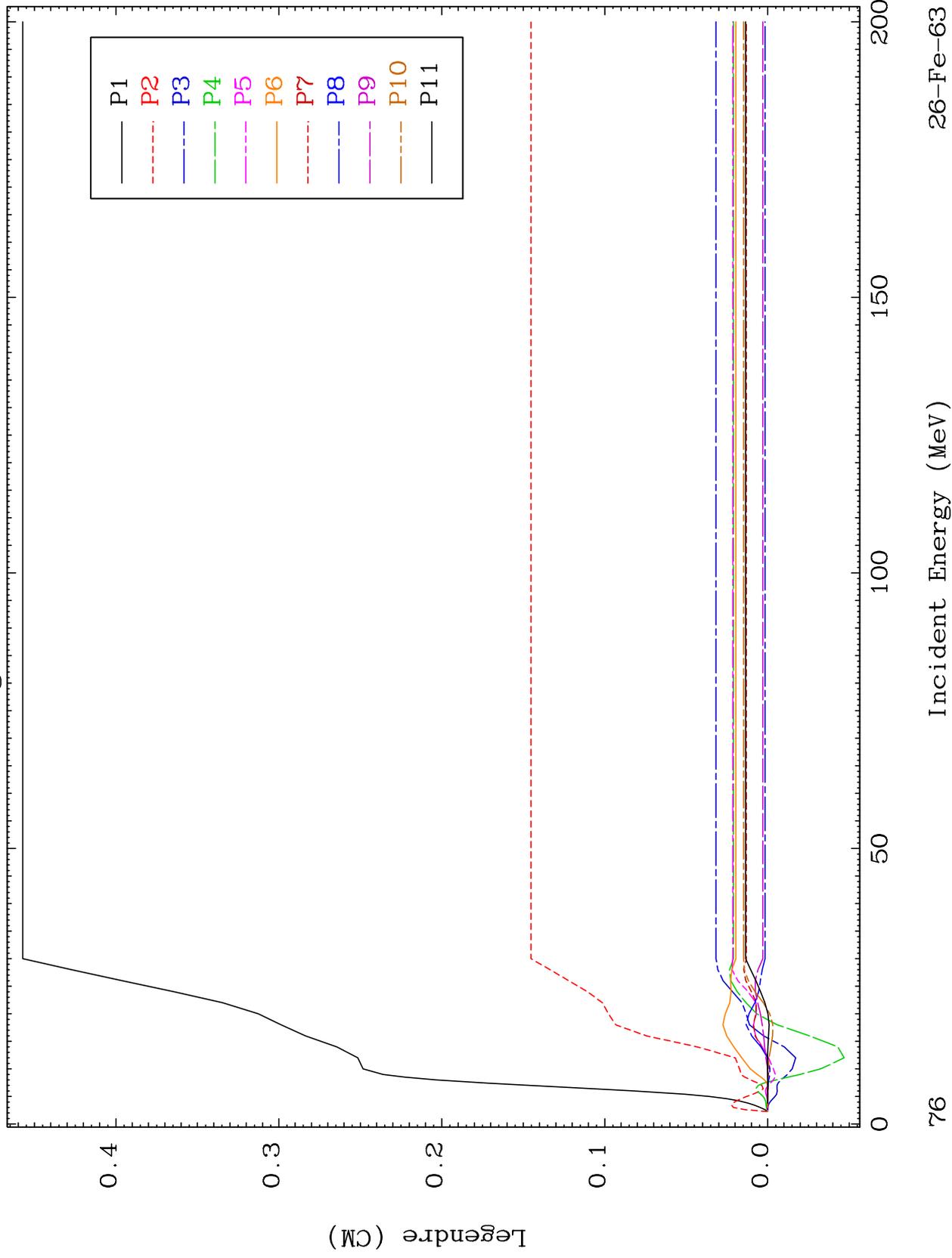
26-Fe-63



MAT 2652

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

26-Fe-63

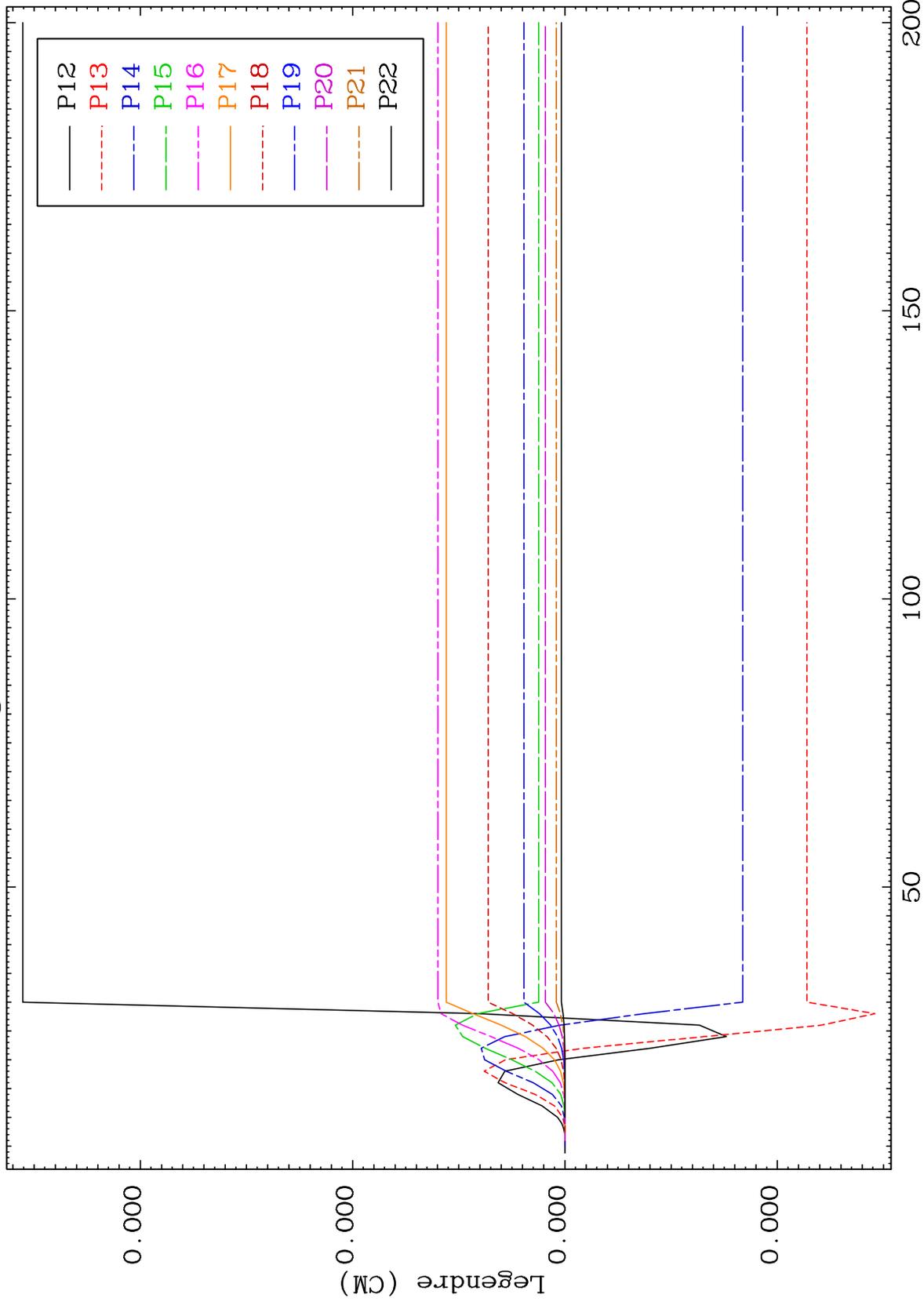


26-Fe-63

MAT 2652

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

26-Fe-63



77

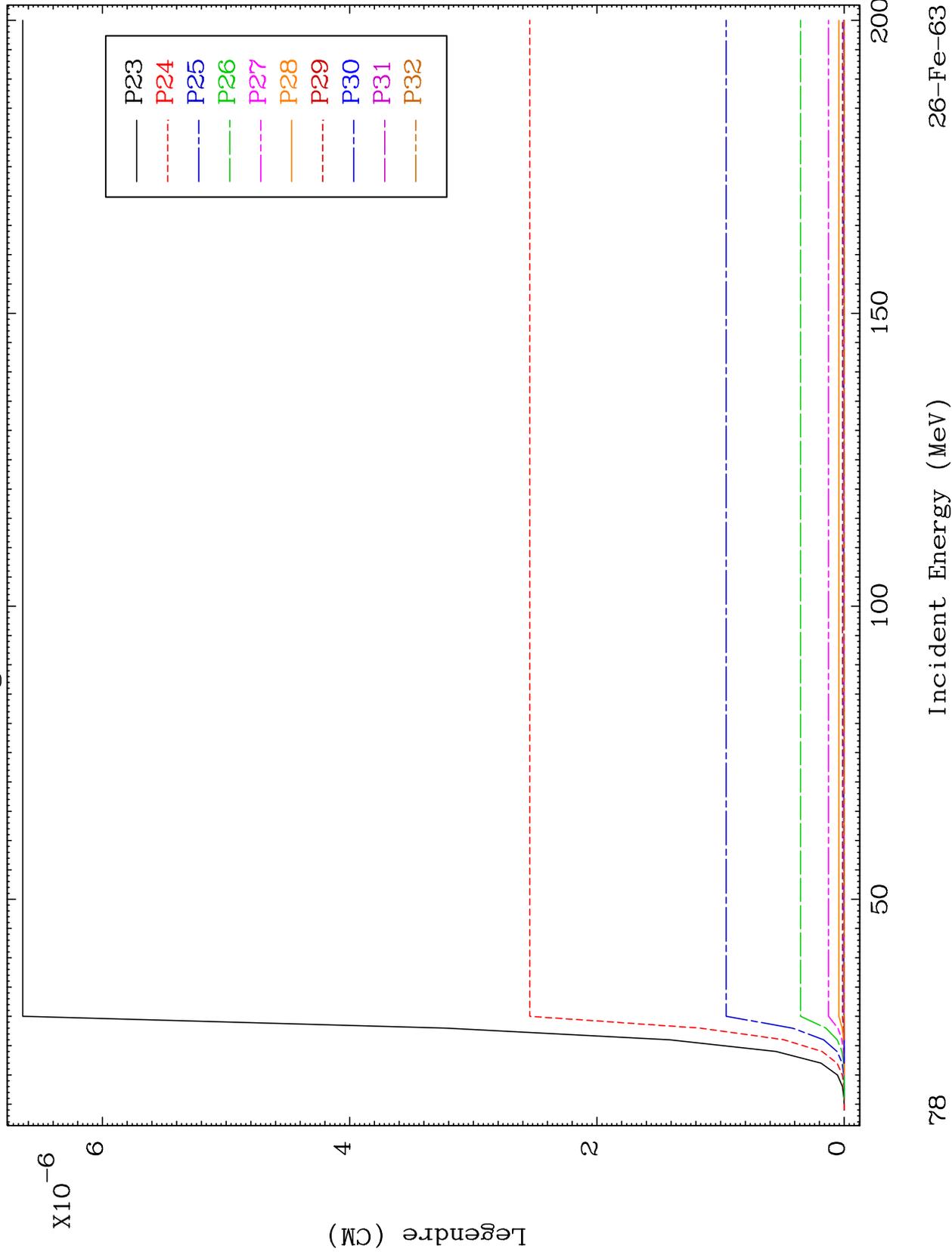
Incident Energy (MeV)

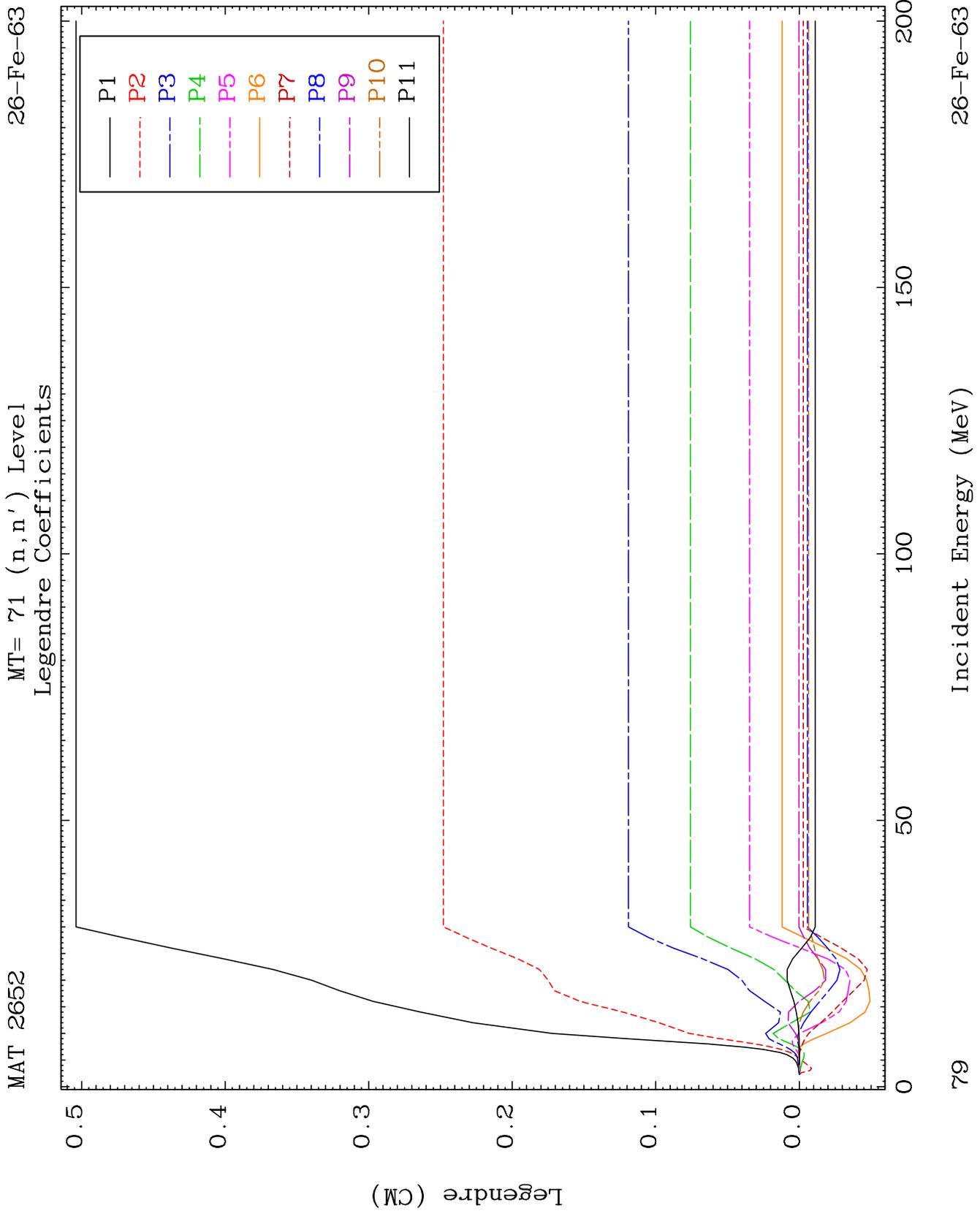
26-Fe-63

MAT 2652

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

26-Fe-63

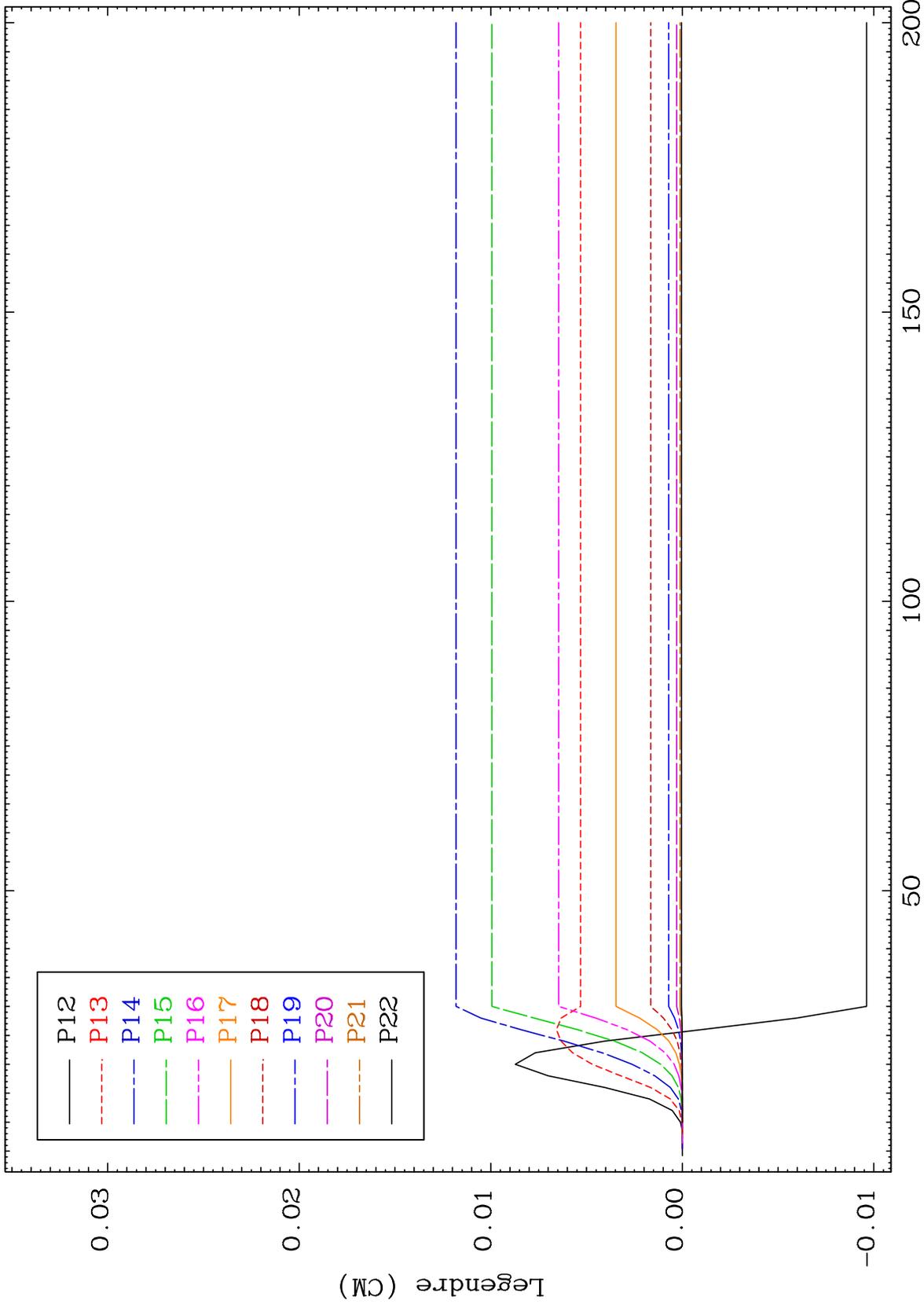




MAT 2652

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

26-Fe-63



80

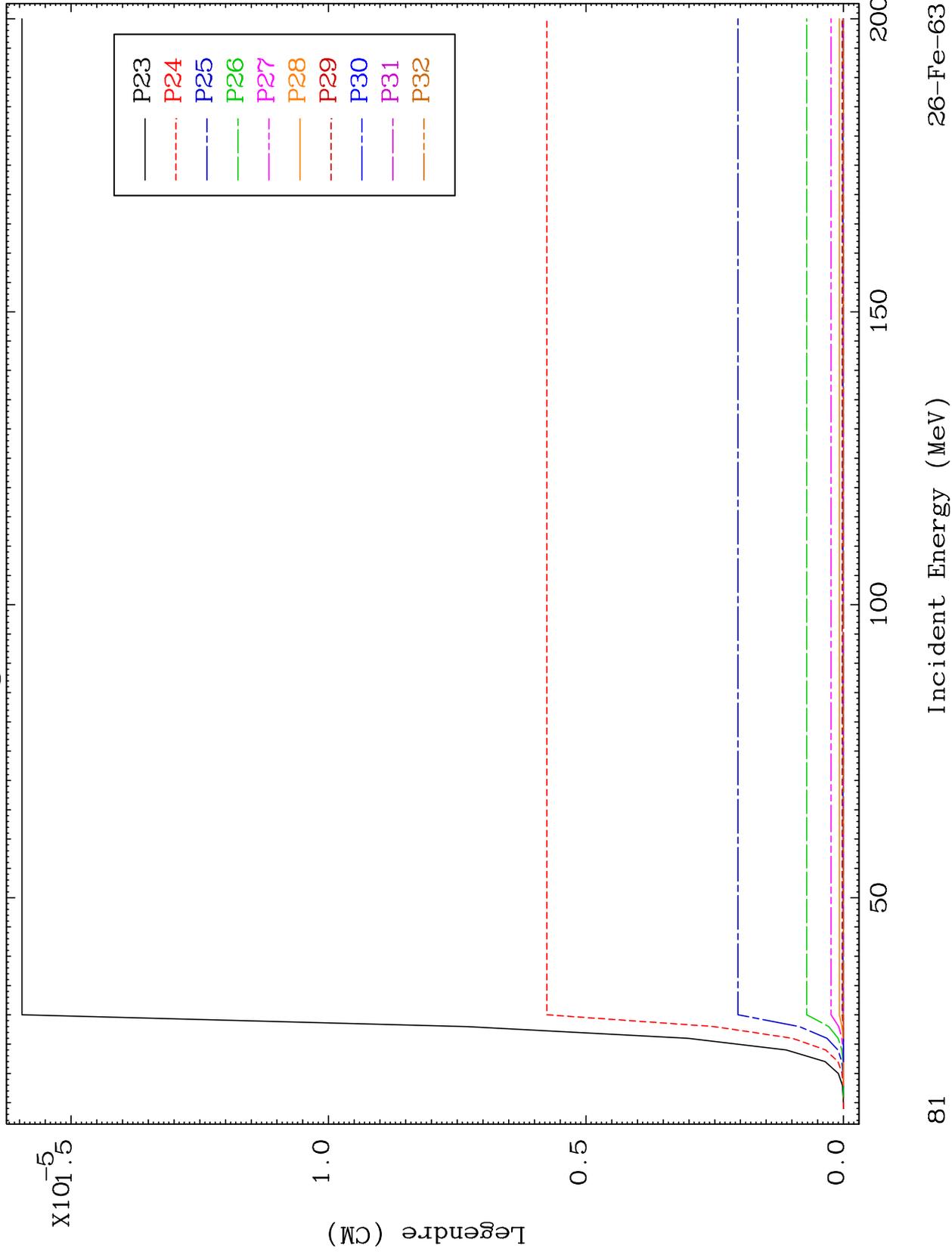
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

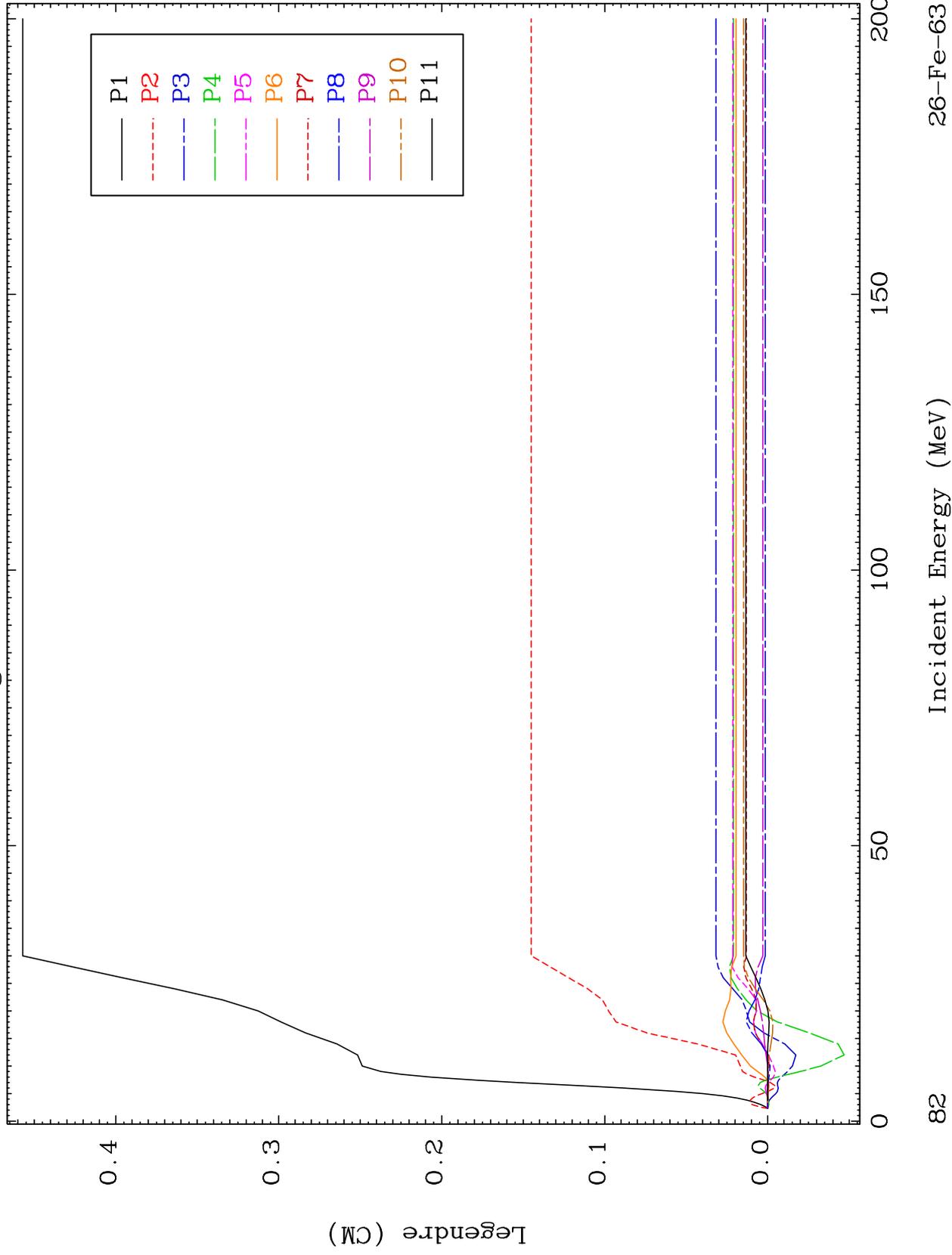
26-Fe-63



MAT 2652

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

26-Fe-63



82

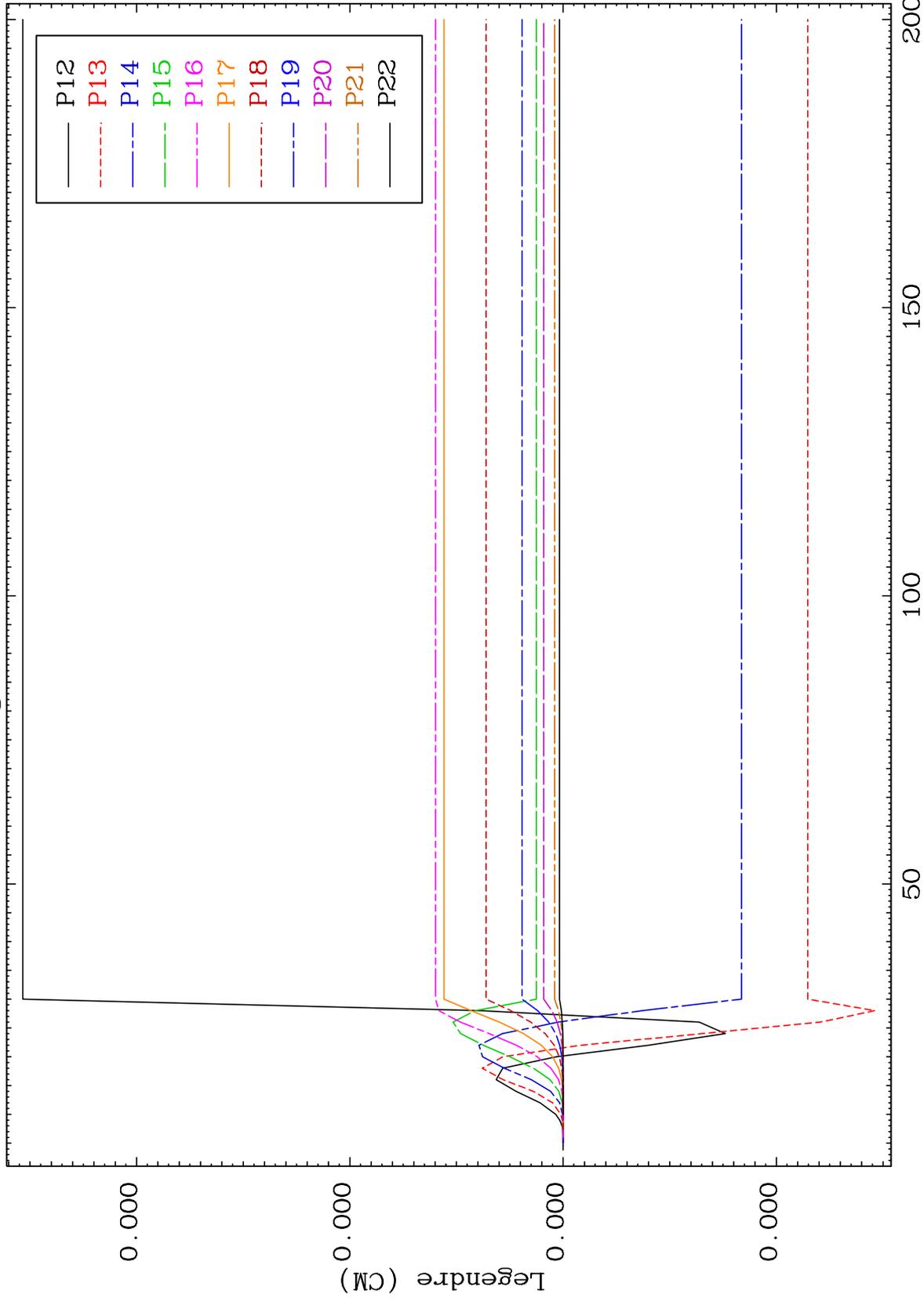
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



83

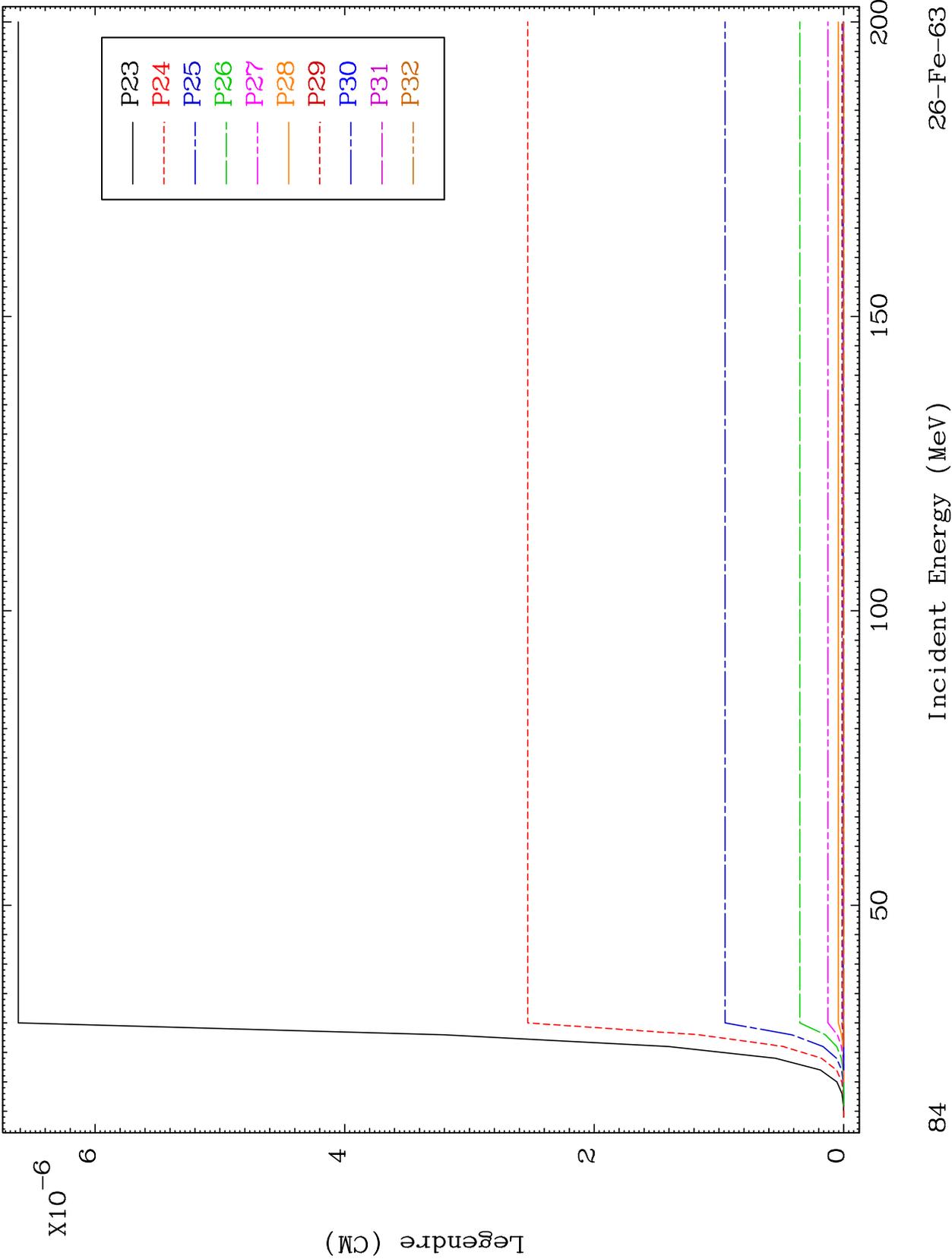
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



84

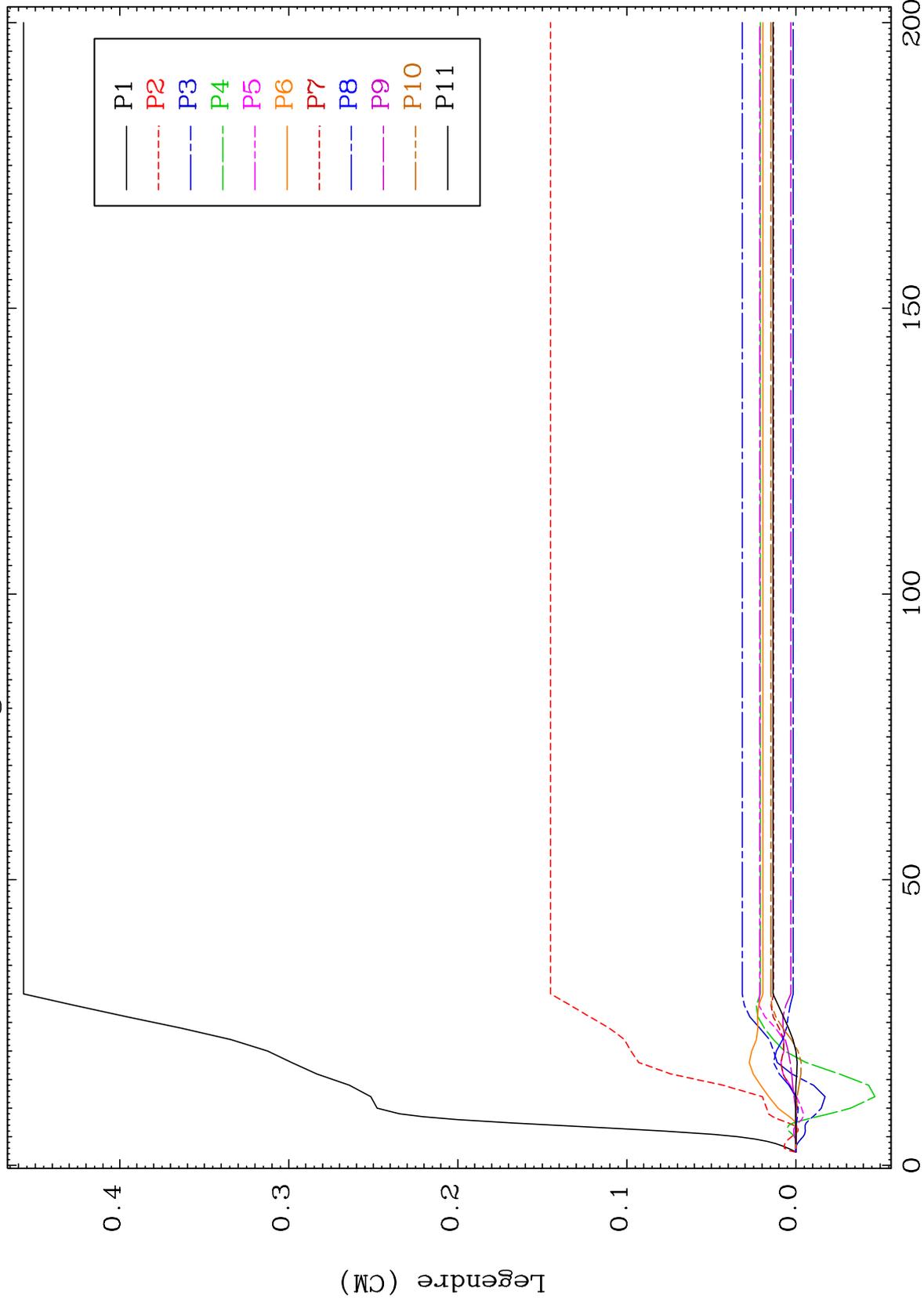
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



85

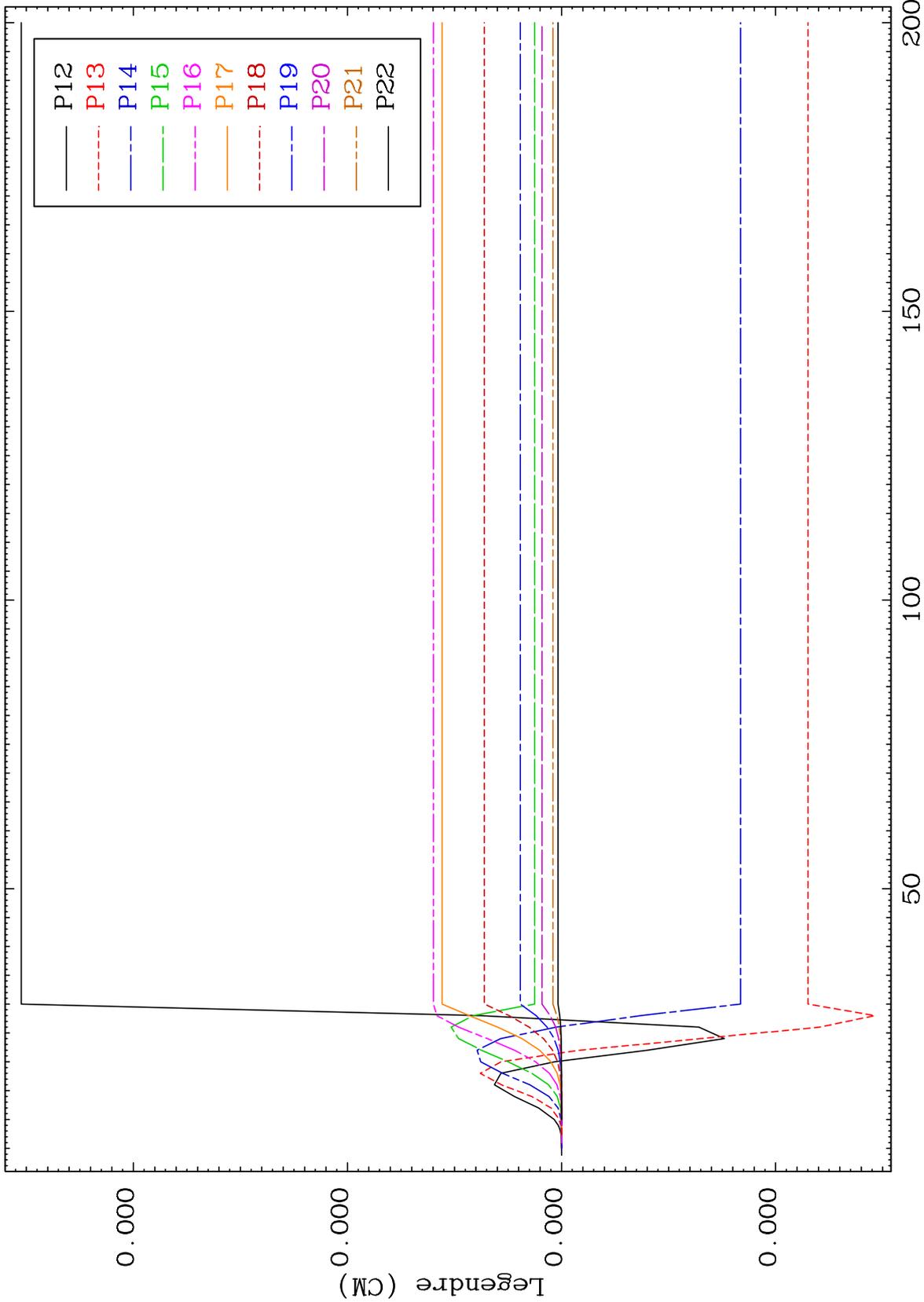
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



86

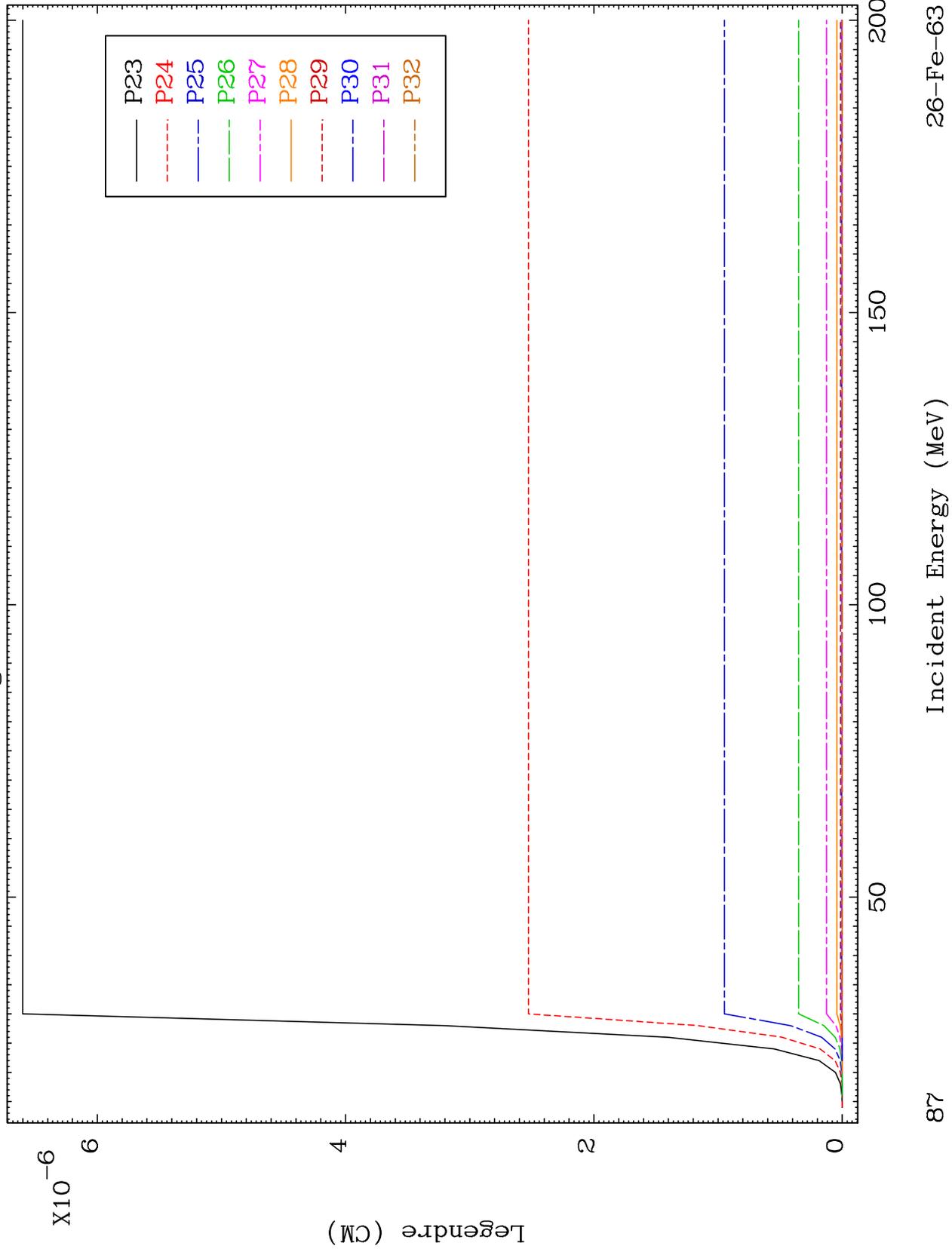
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



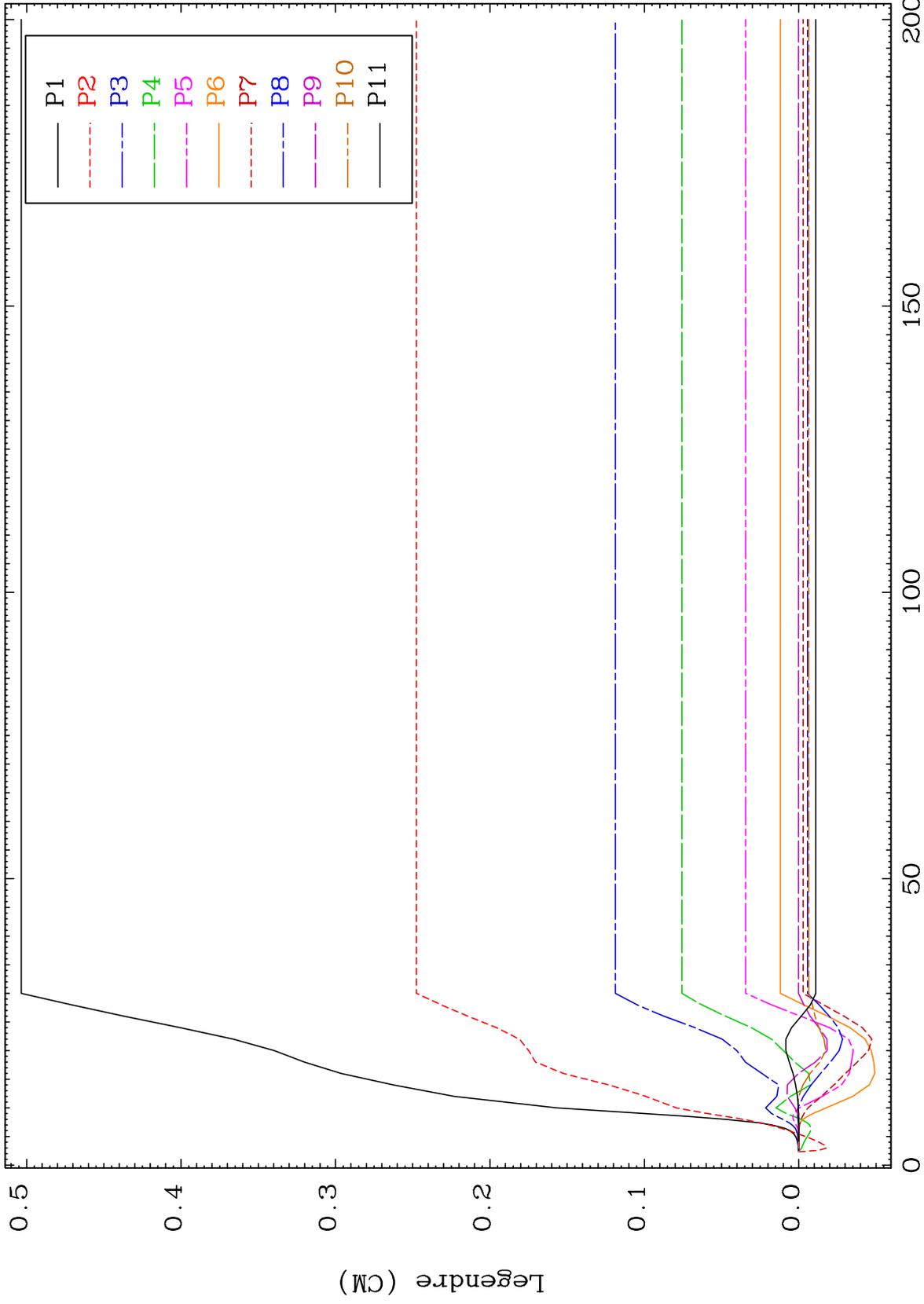
87

26-Fe-63

MAT 2652

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

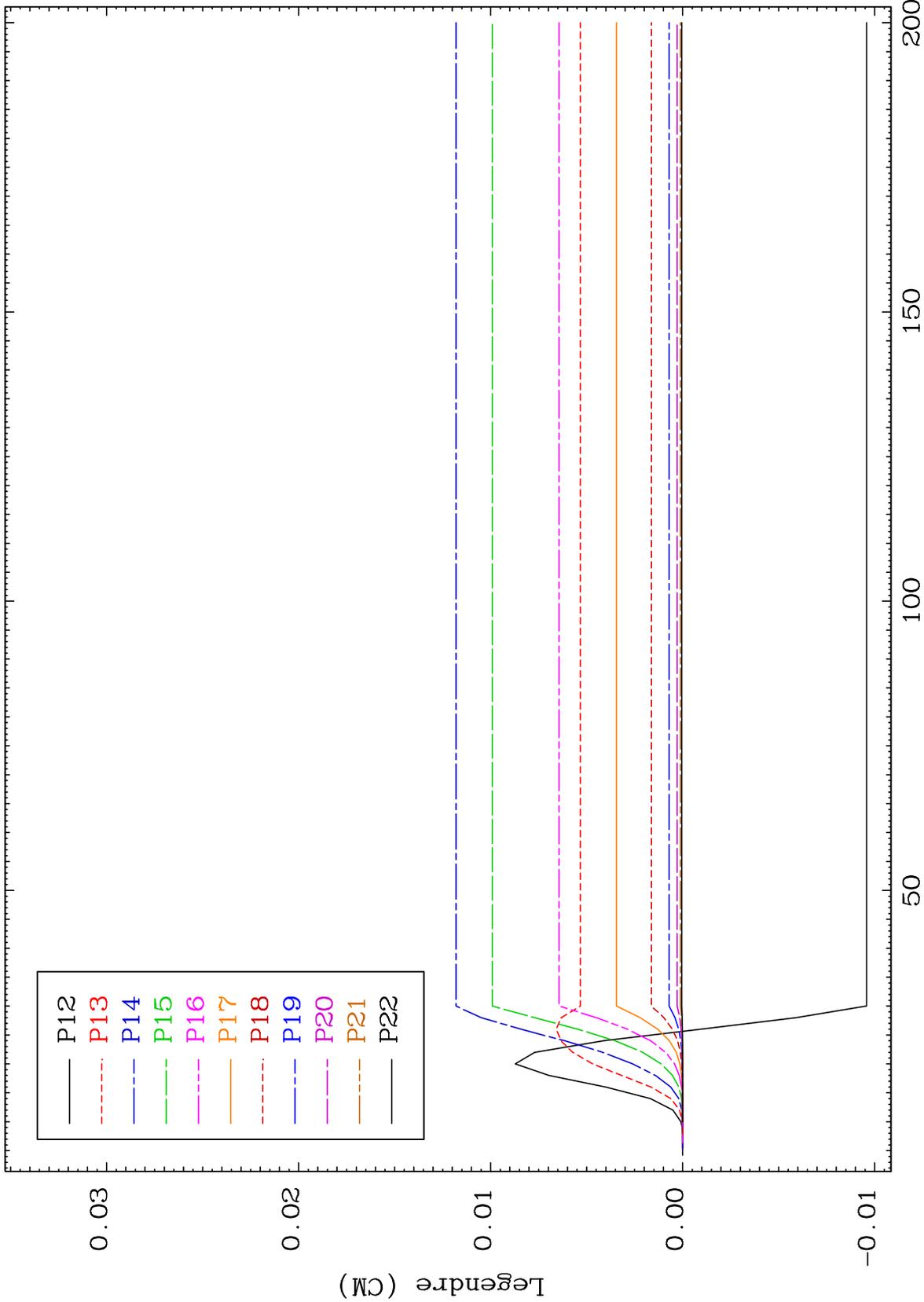
26-Fe-63



88

Incident Energy (MeV)

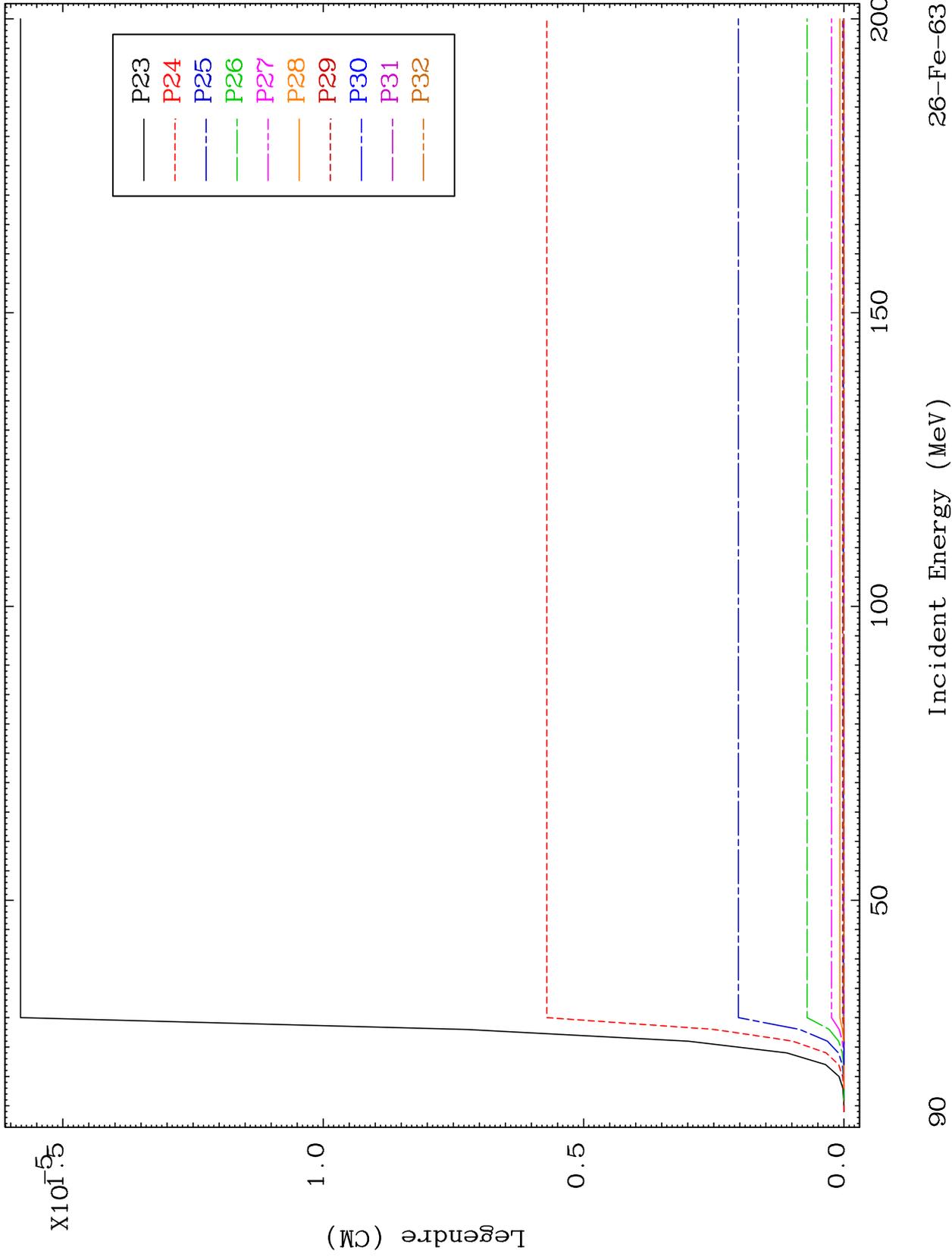
26-Fe-63



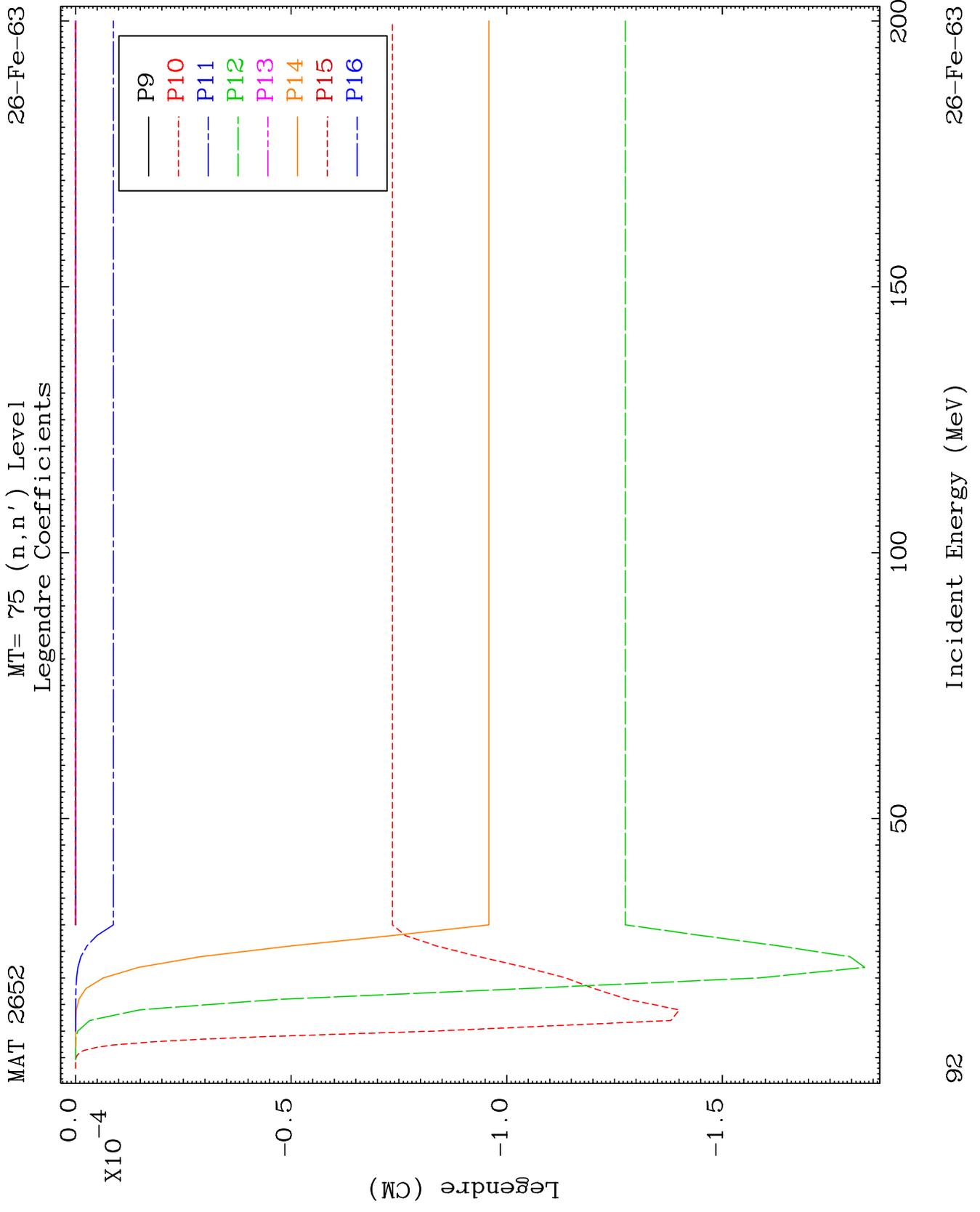
MAT 2652

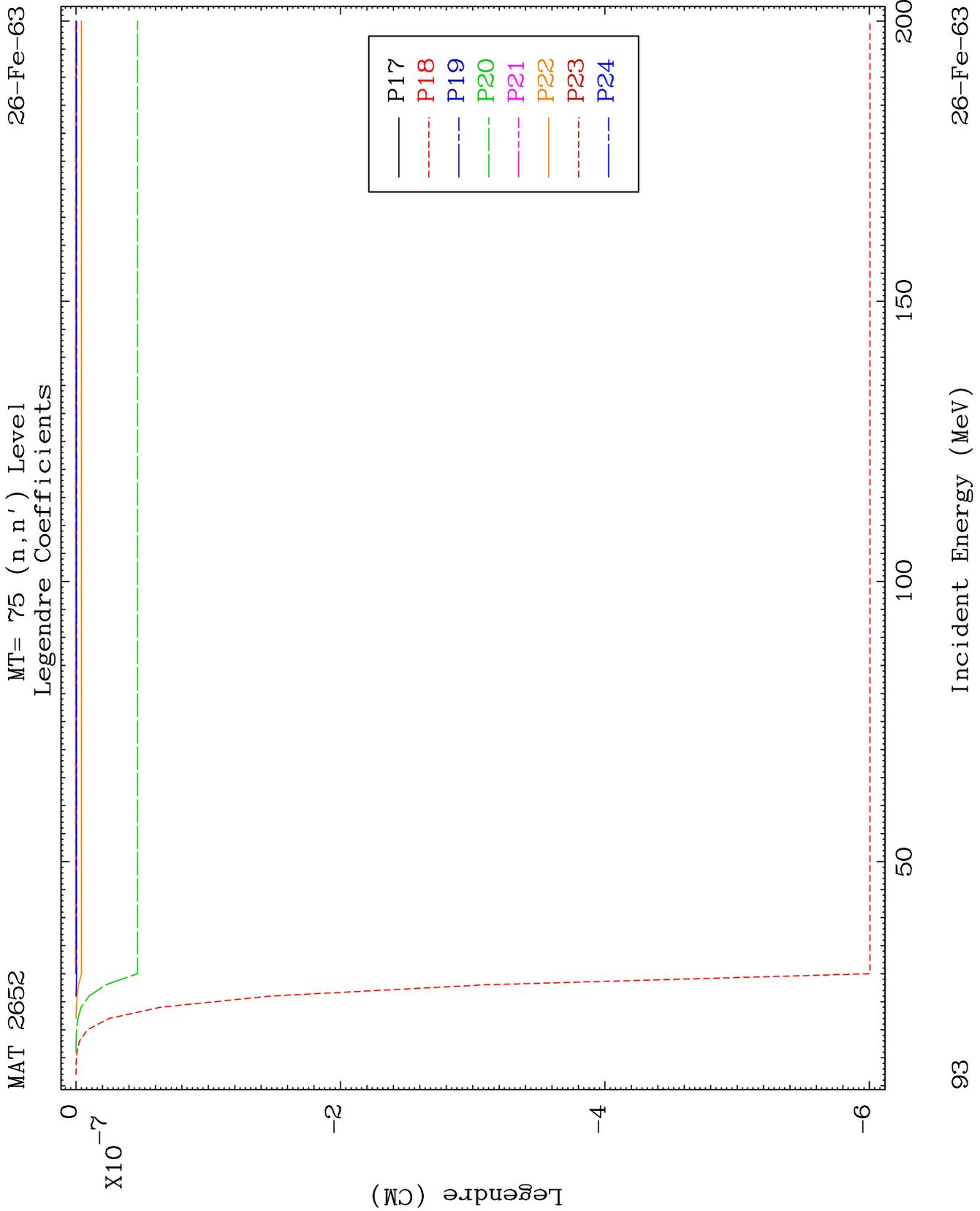
MT= 74 (n,n') Level  
Legendre Coefficients

26-Fe-63





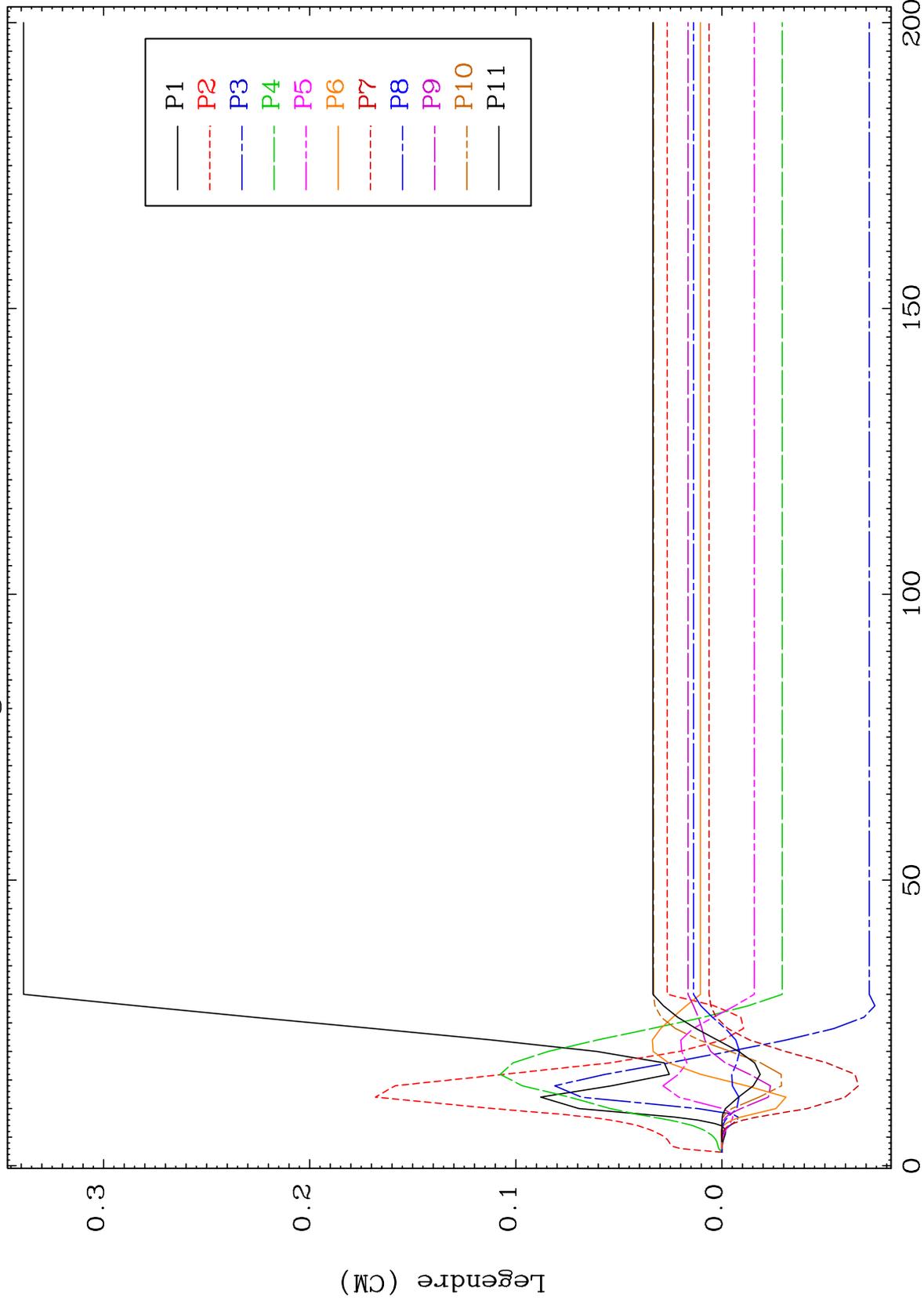




MAT 2652

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

26-Fe-63



94

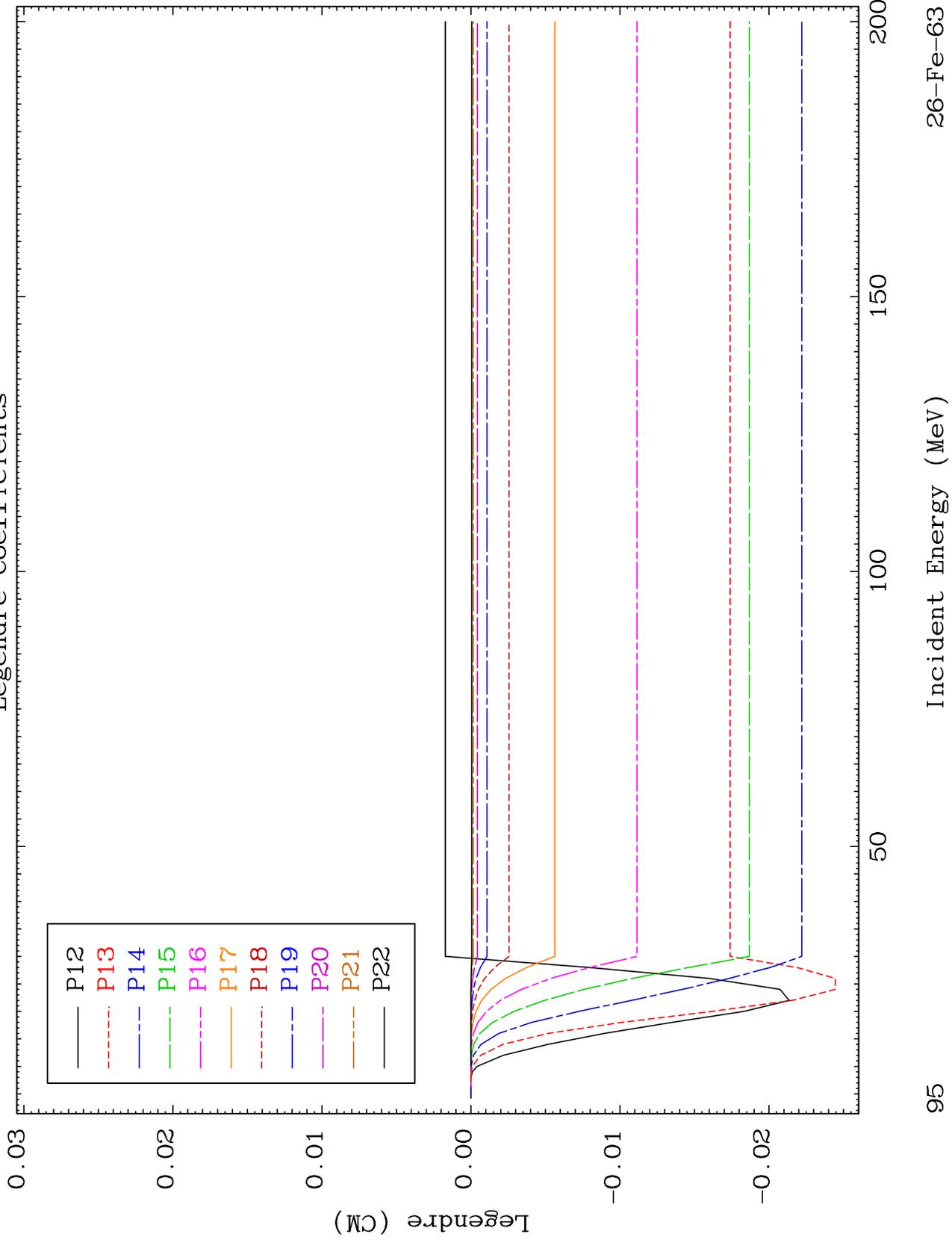
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

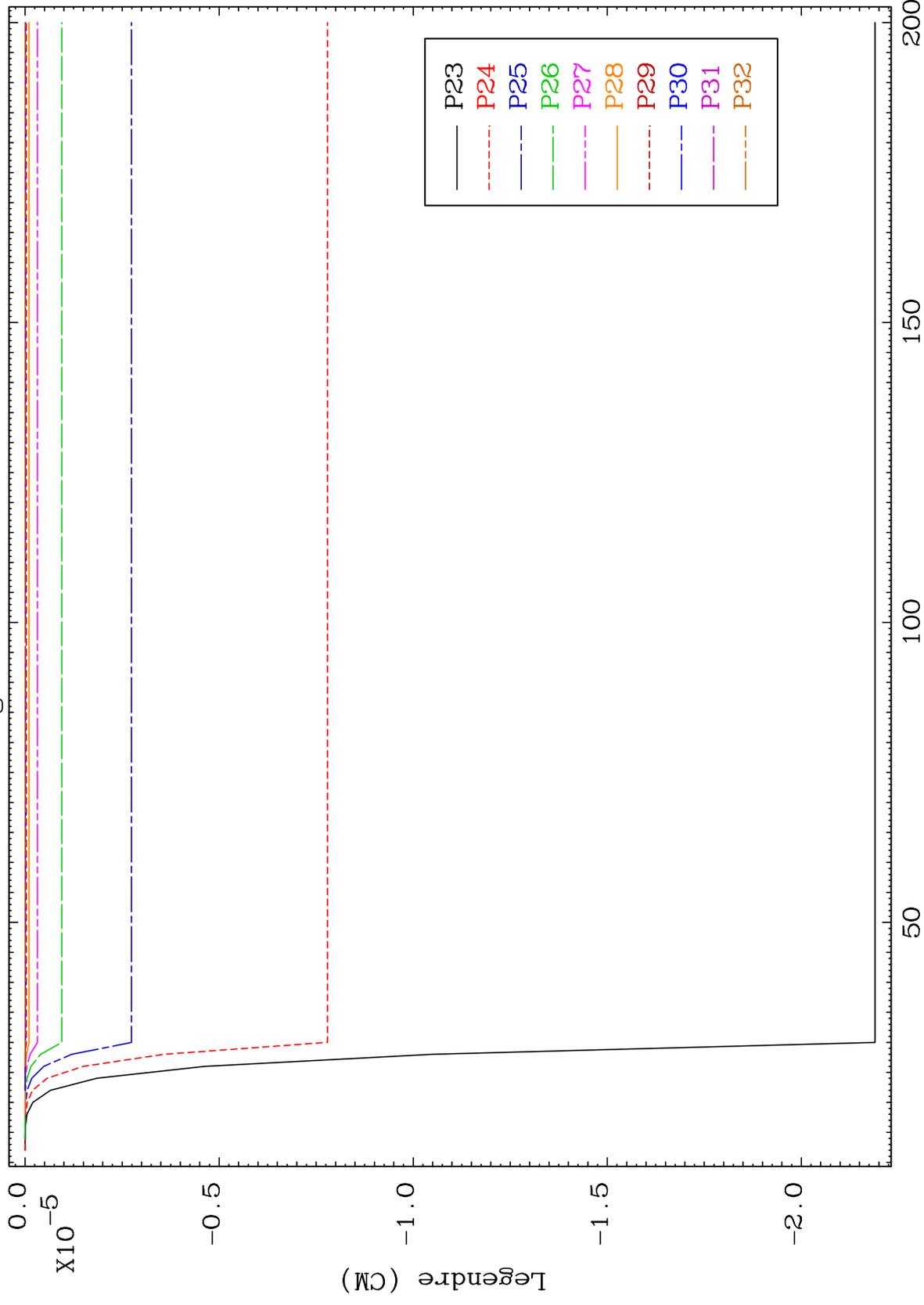
26-Fe-63



95

Incident Energy (MeV)

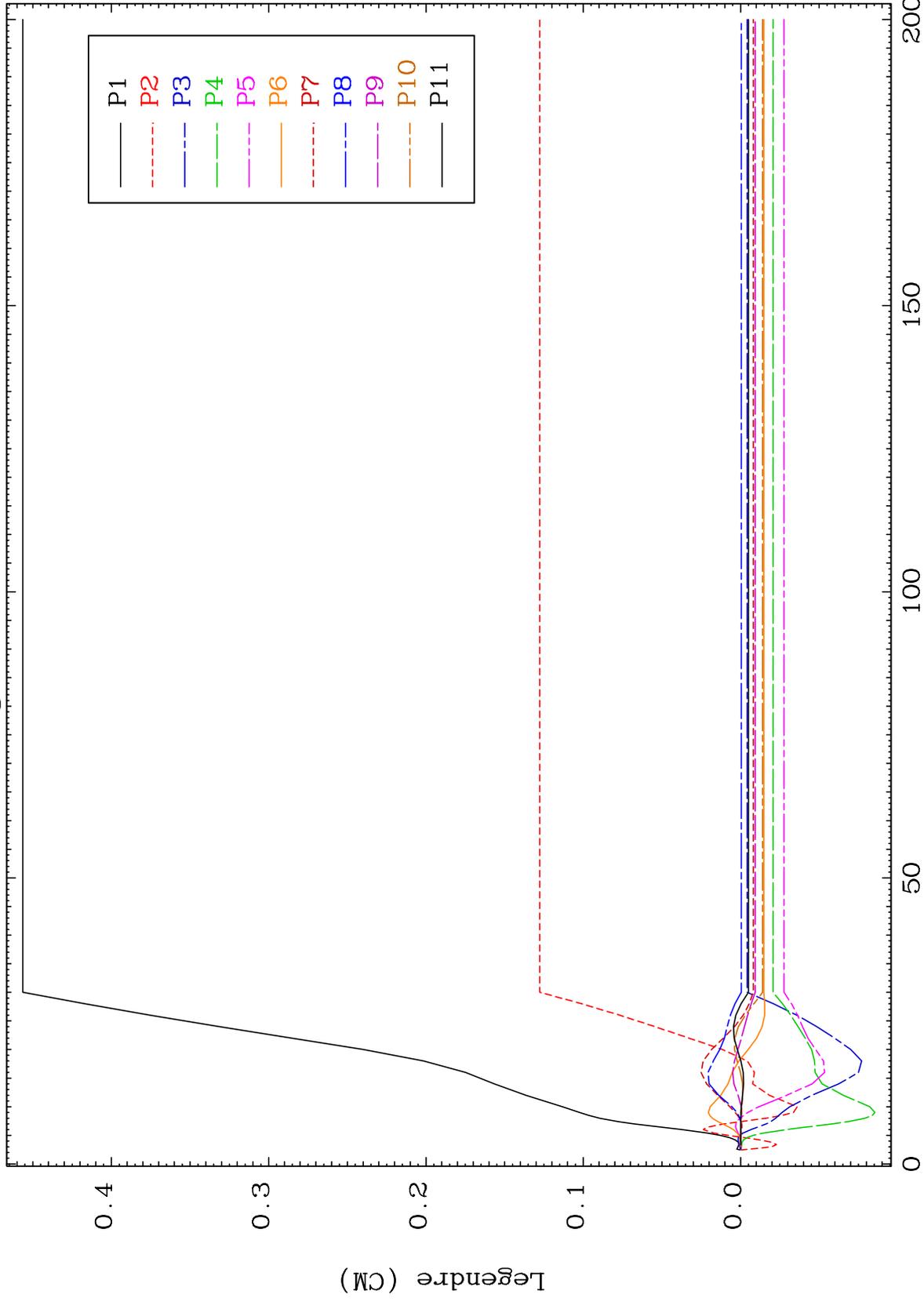
26-Fe-63



MAT 2652

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

26-Fe-63



97

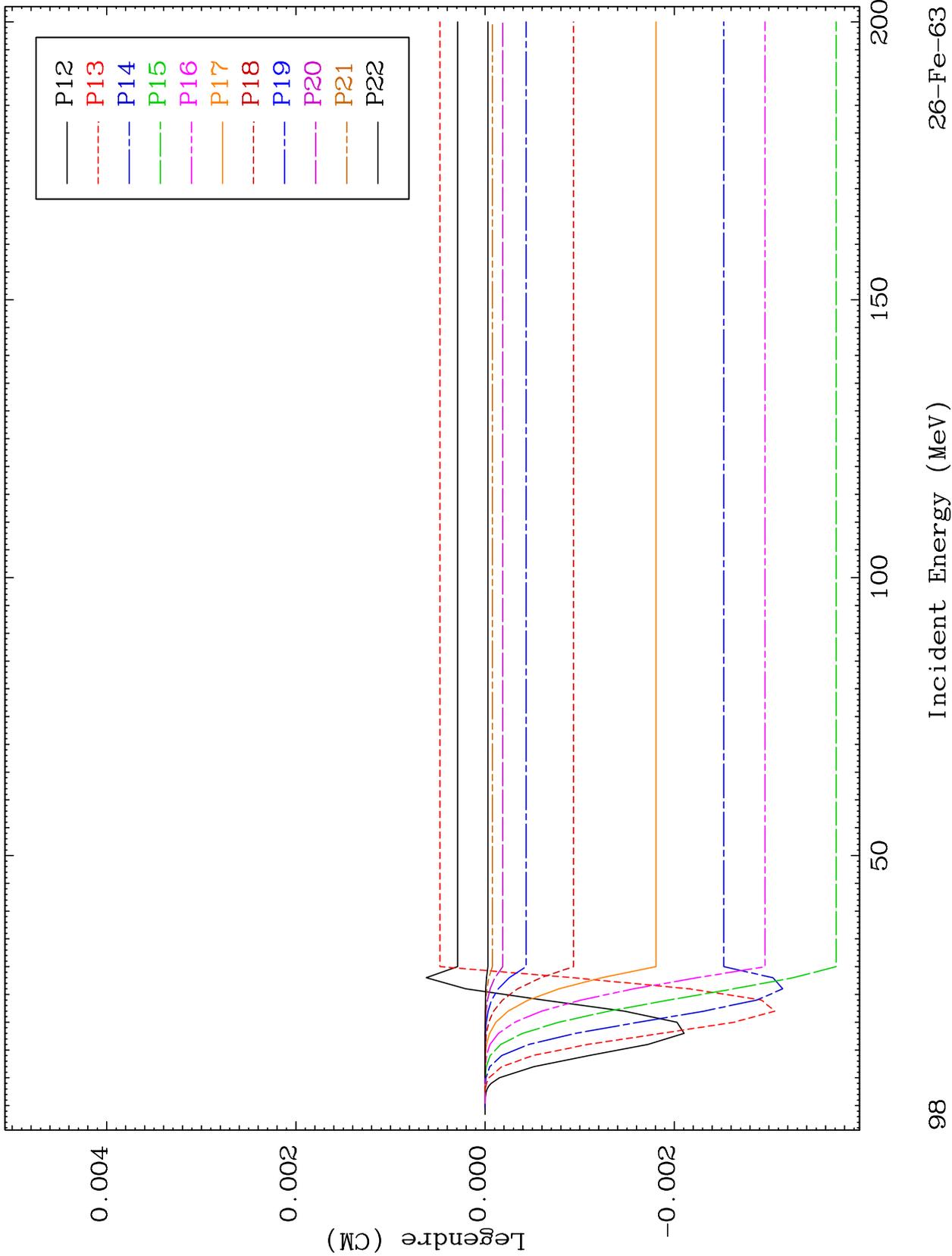
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



98

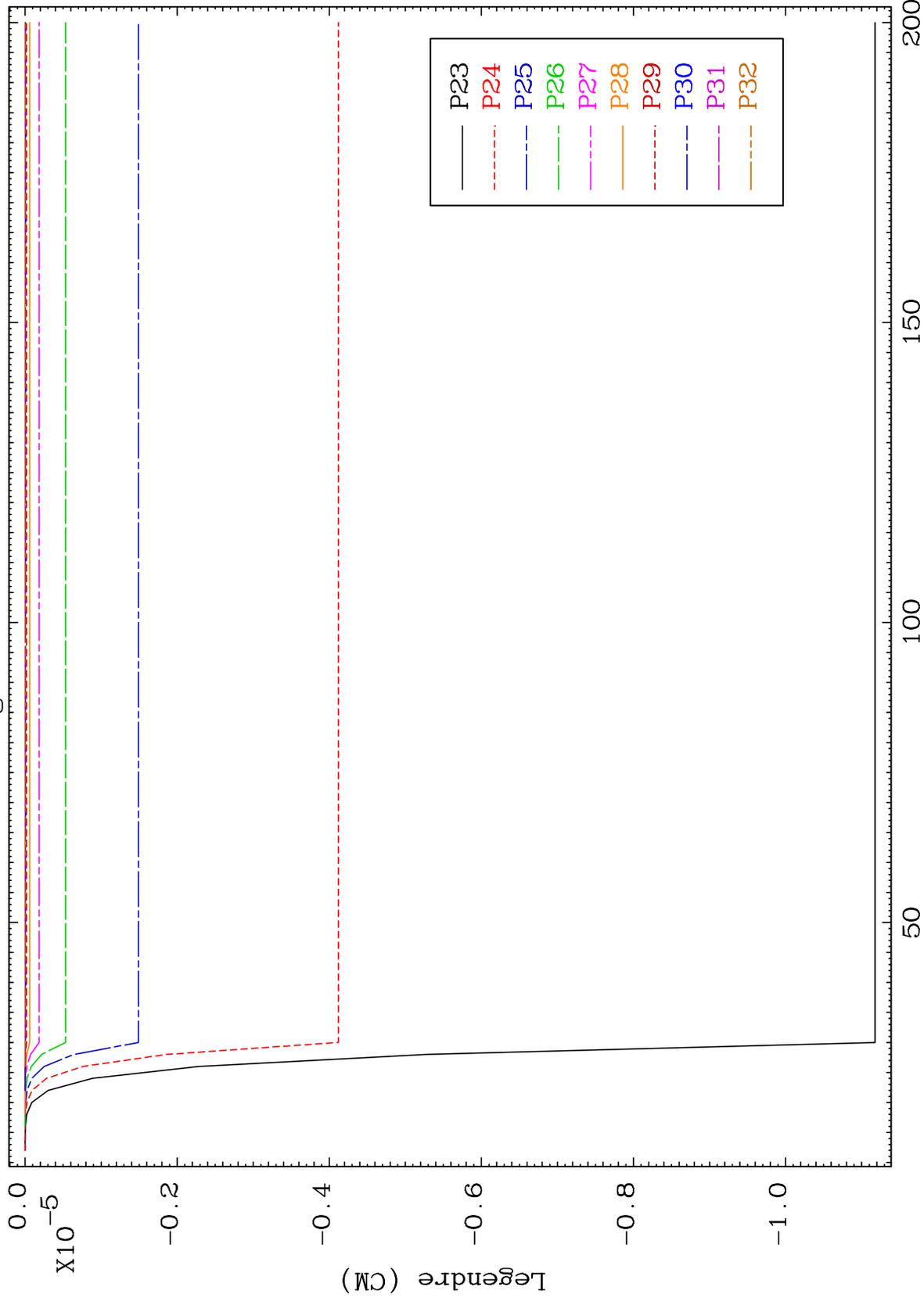
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



99

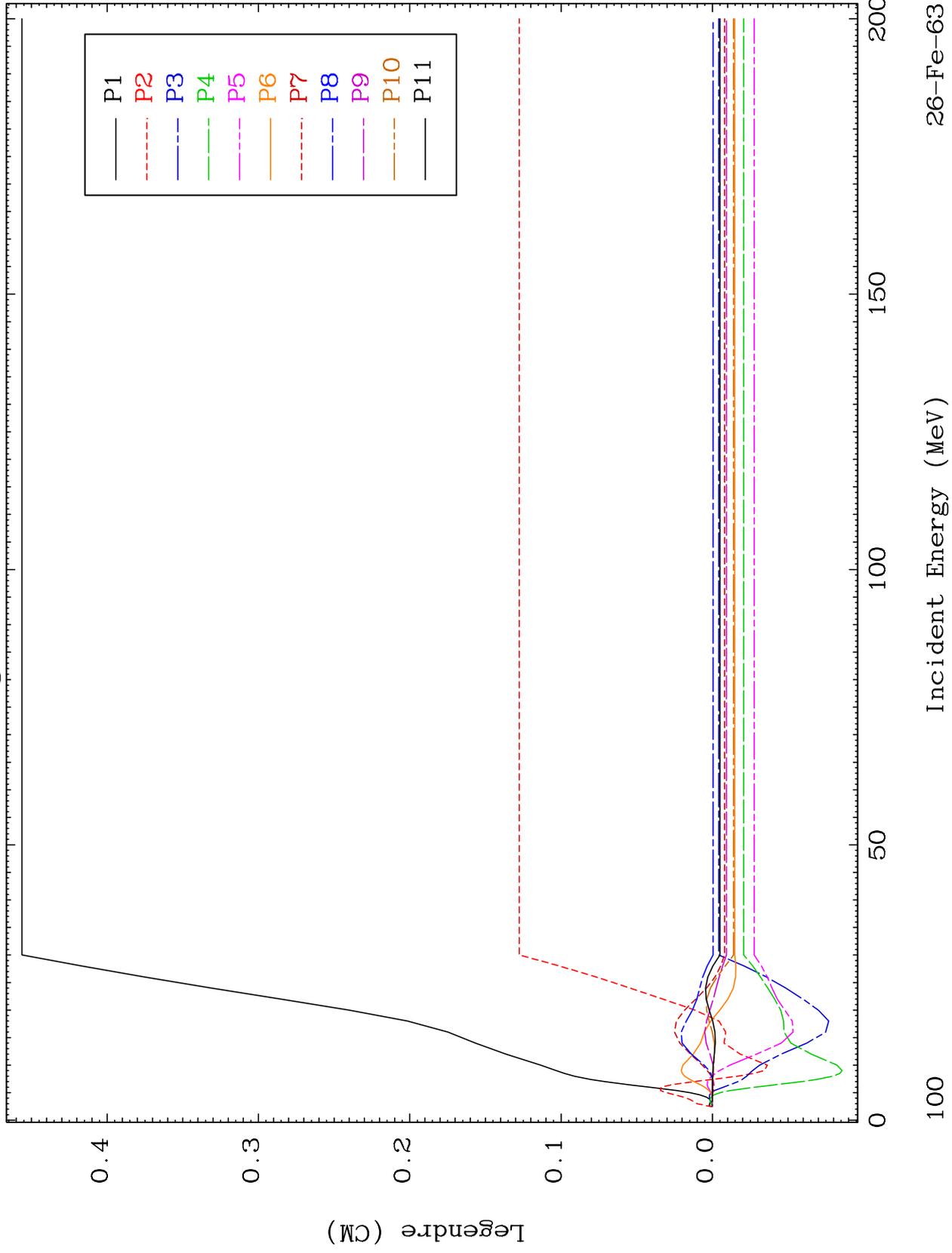
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

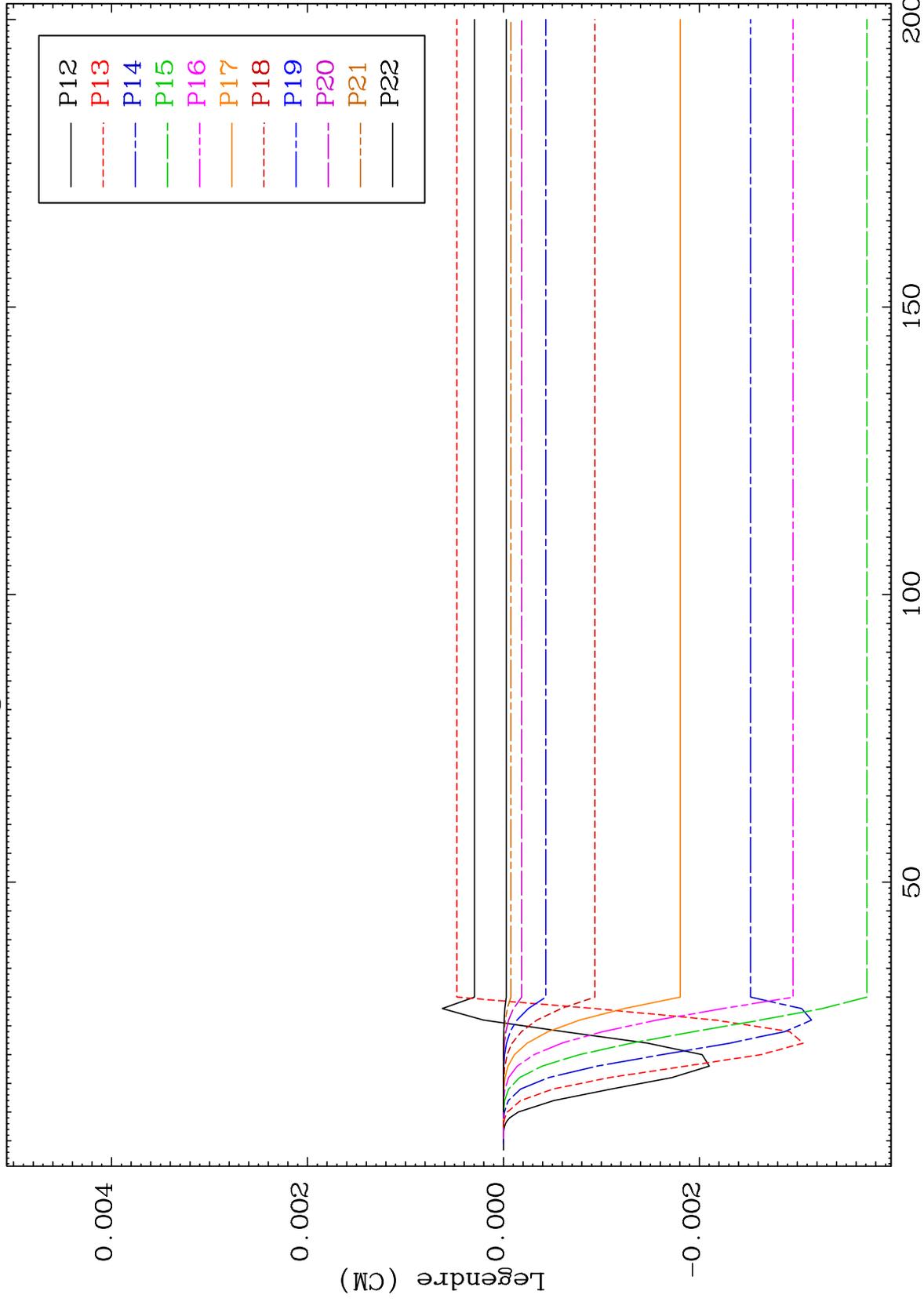
26-Fe-63



MAT 2652

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

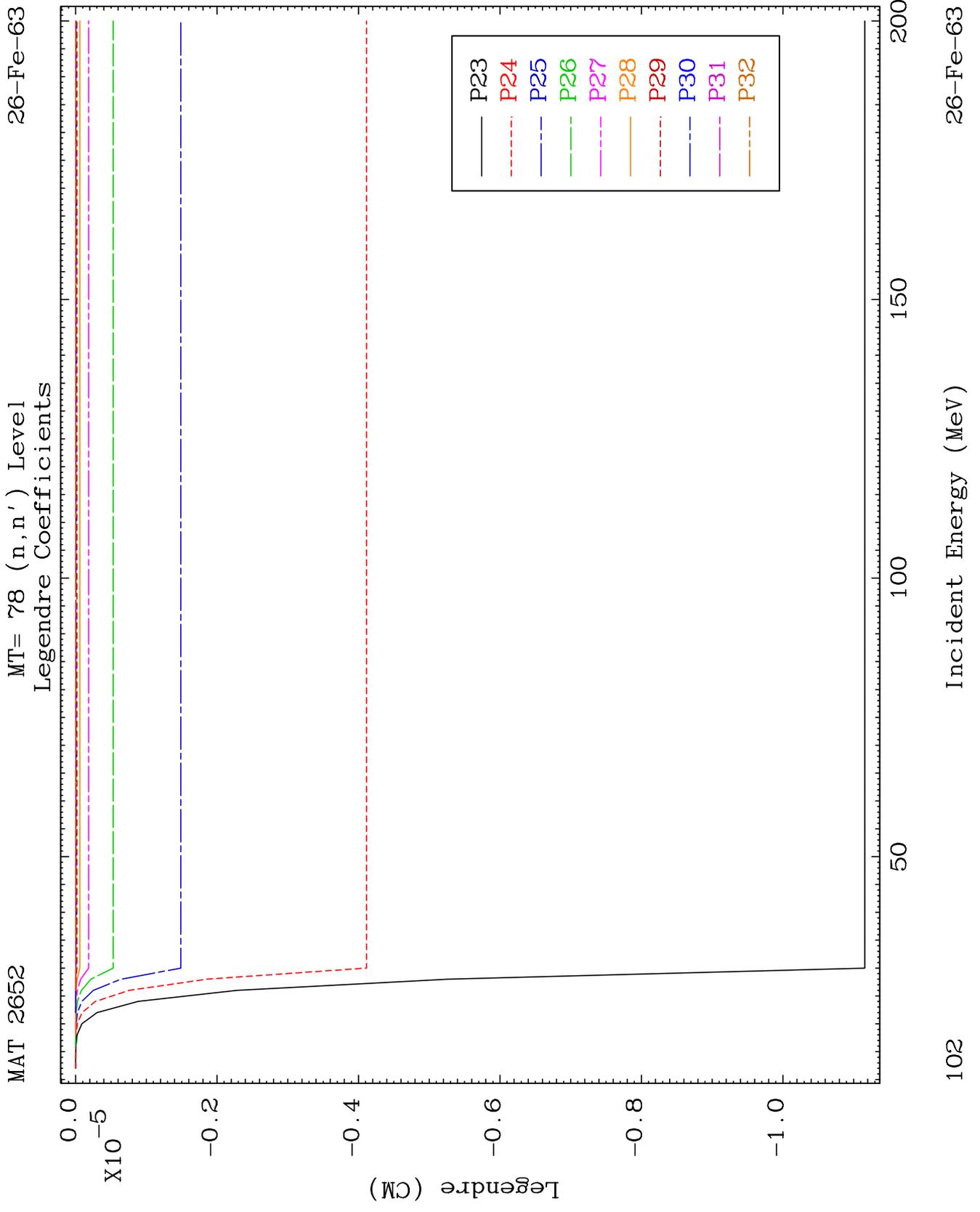
26-Fe-63



101

Incident Energy (MeV)

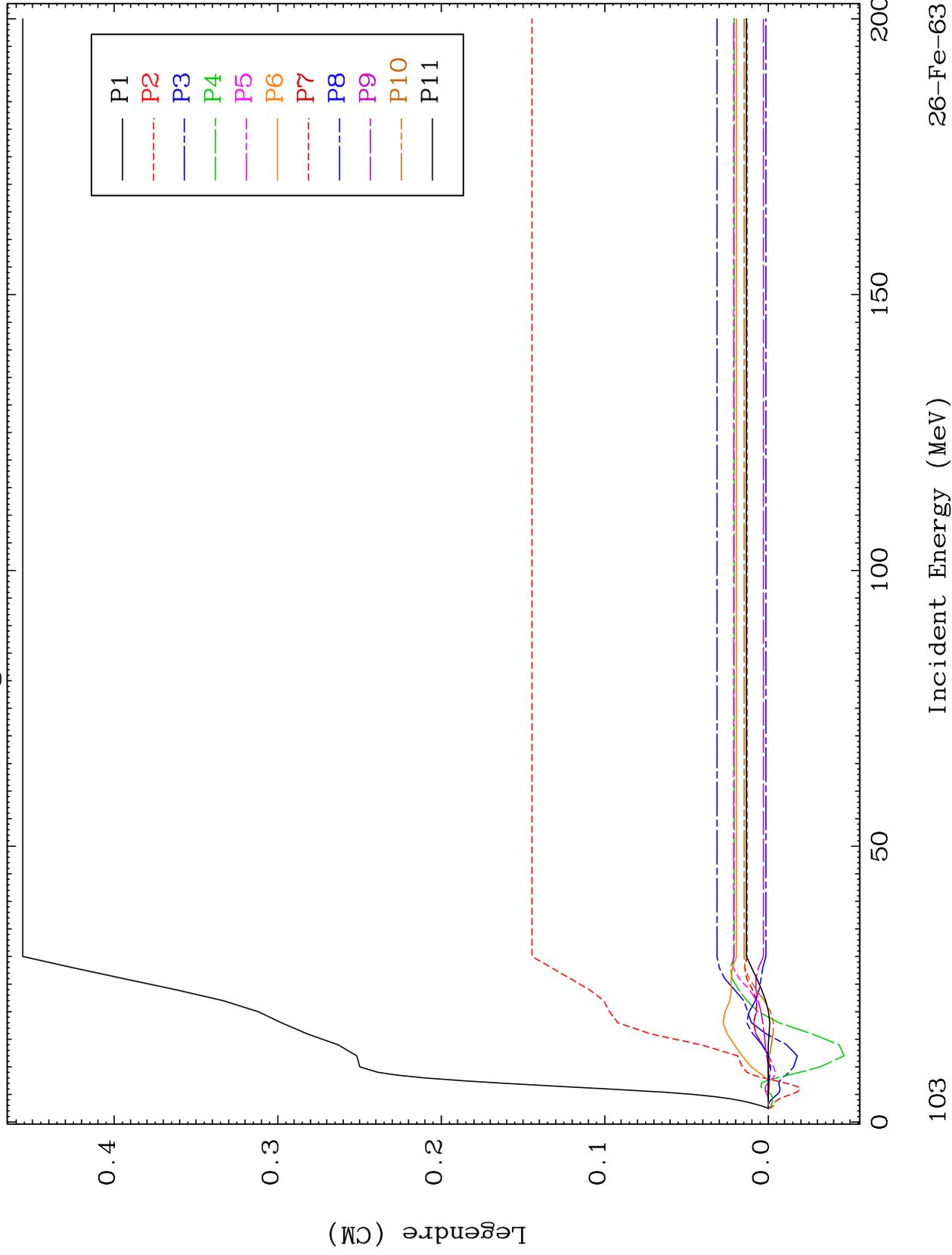
26-Fe-63



MAT 2652

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

26-Fe-63



26-Fe-63

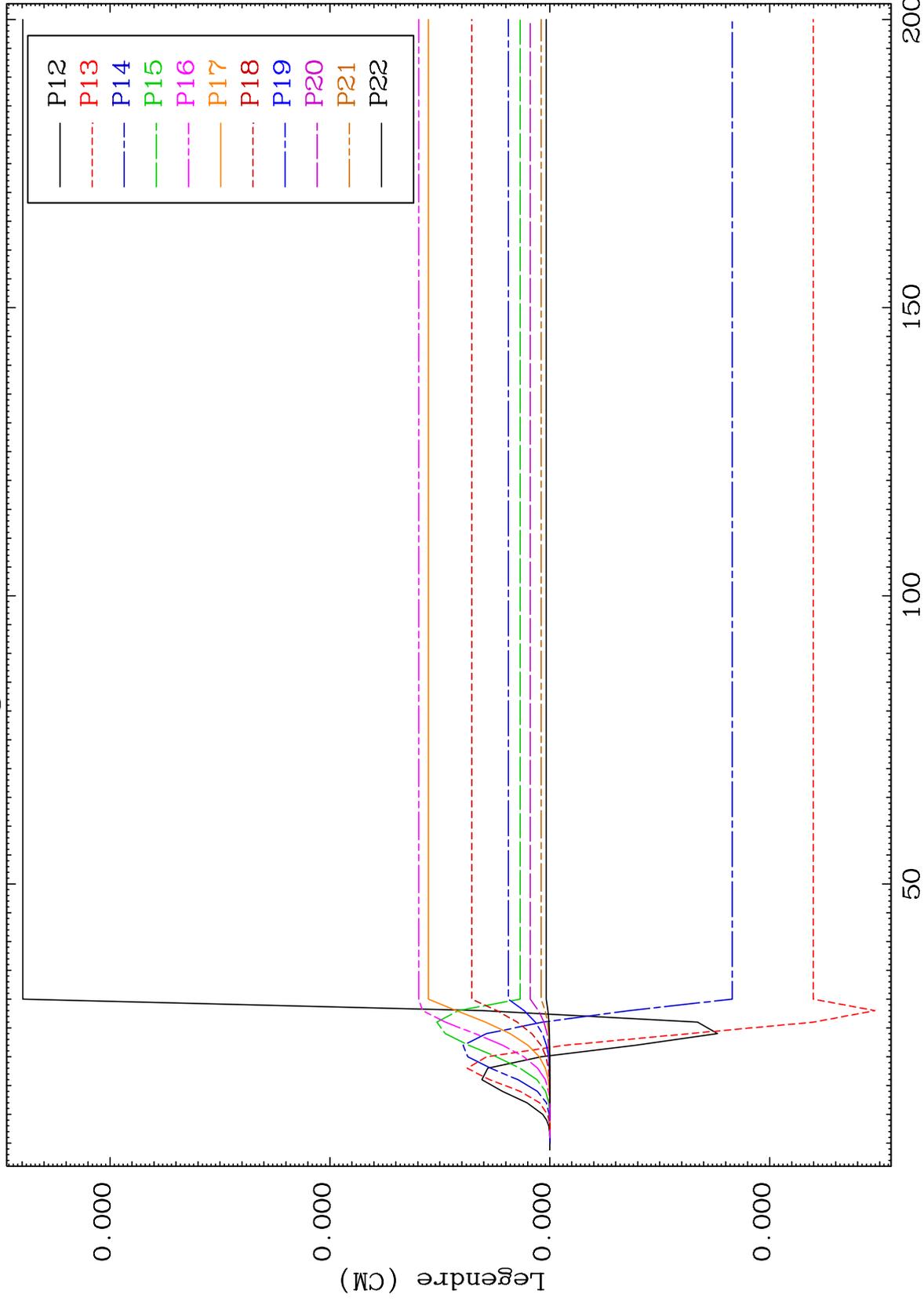
Incident Energy (MeV)

103

MAT 2652

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

26-Fe-63



104

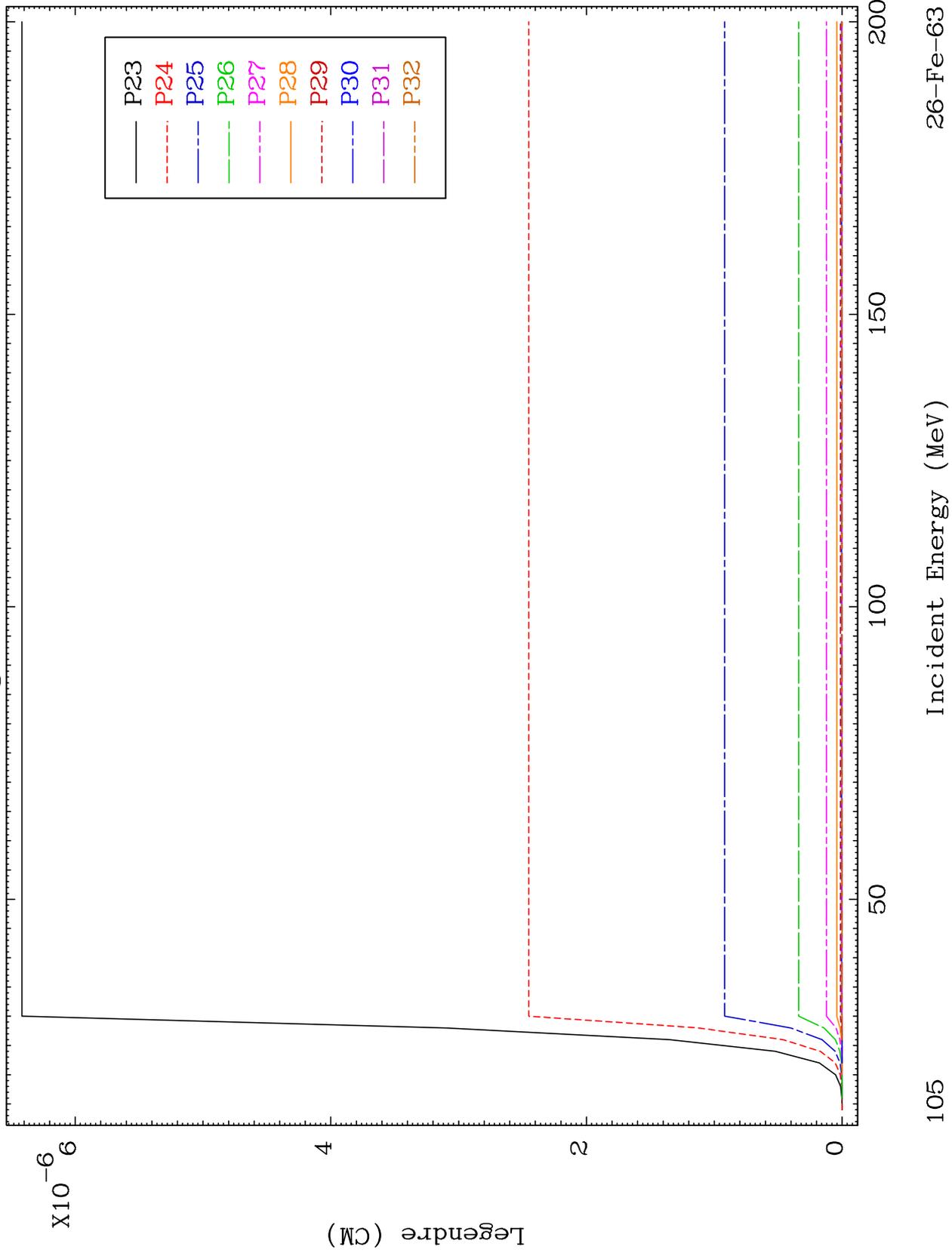
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

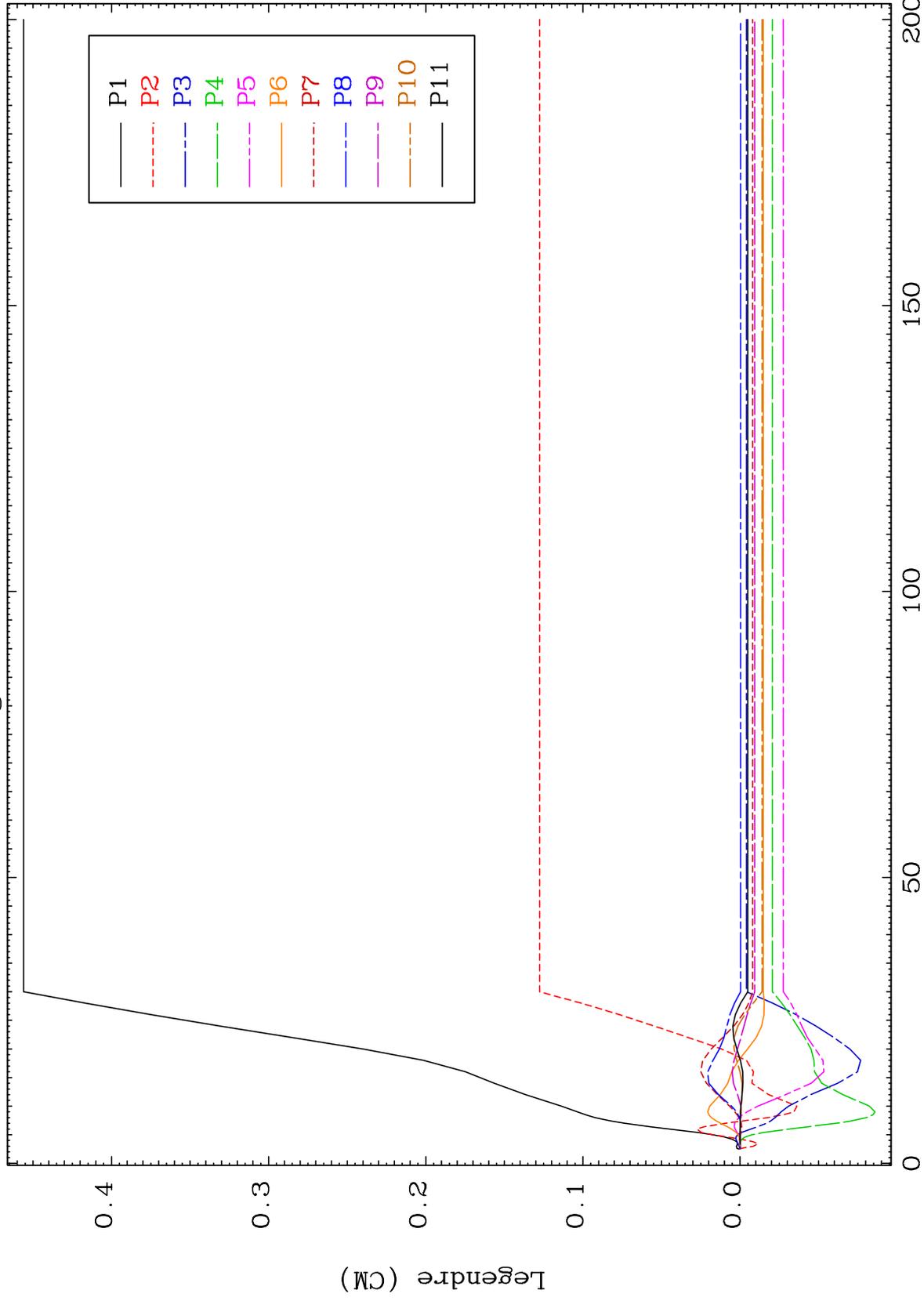
26-Fe-63



MAT 2652

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

26-Fe-63



106

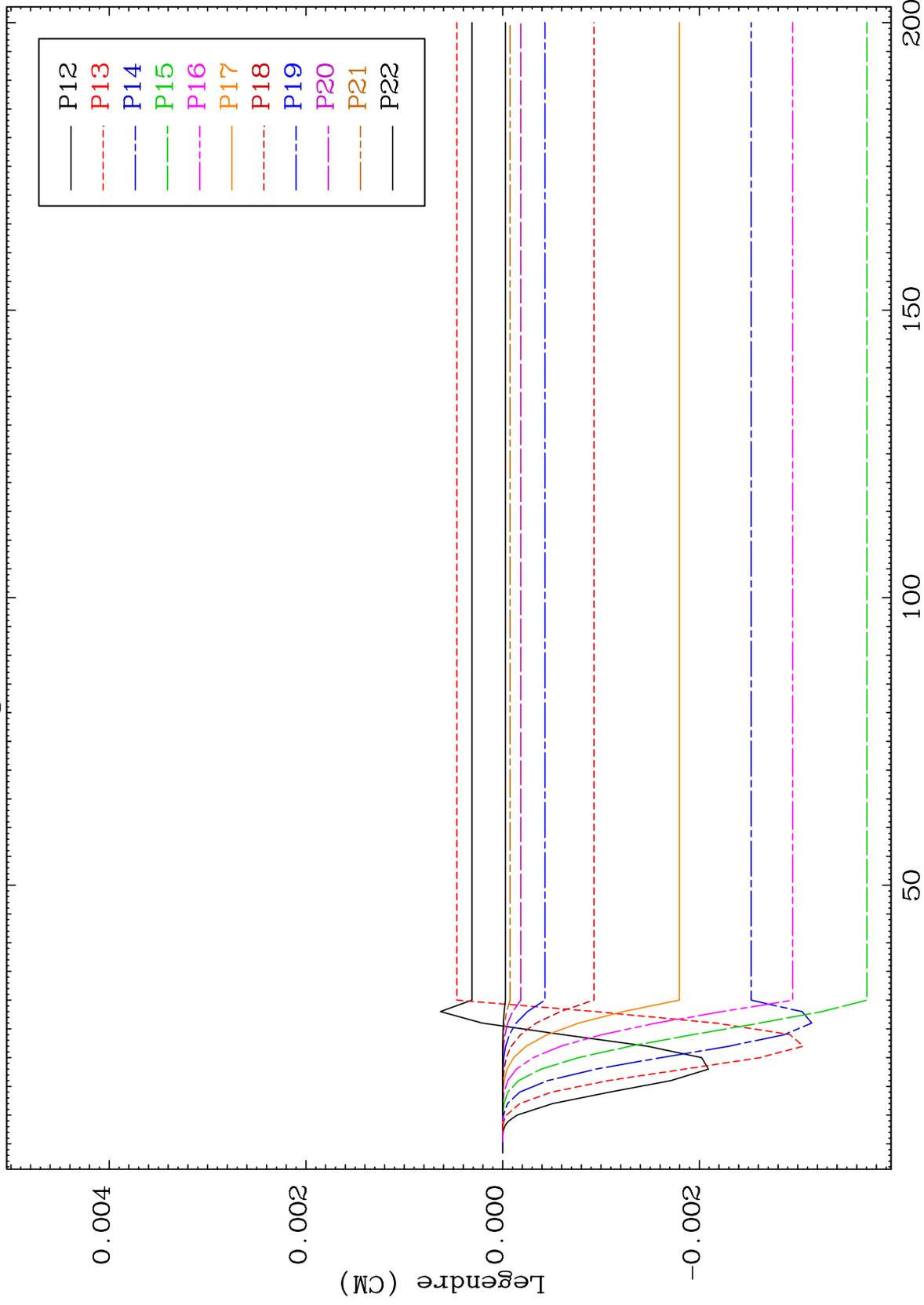
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

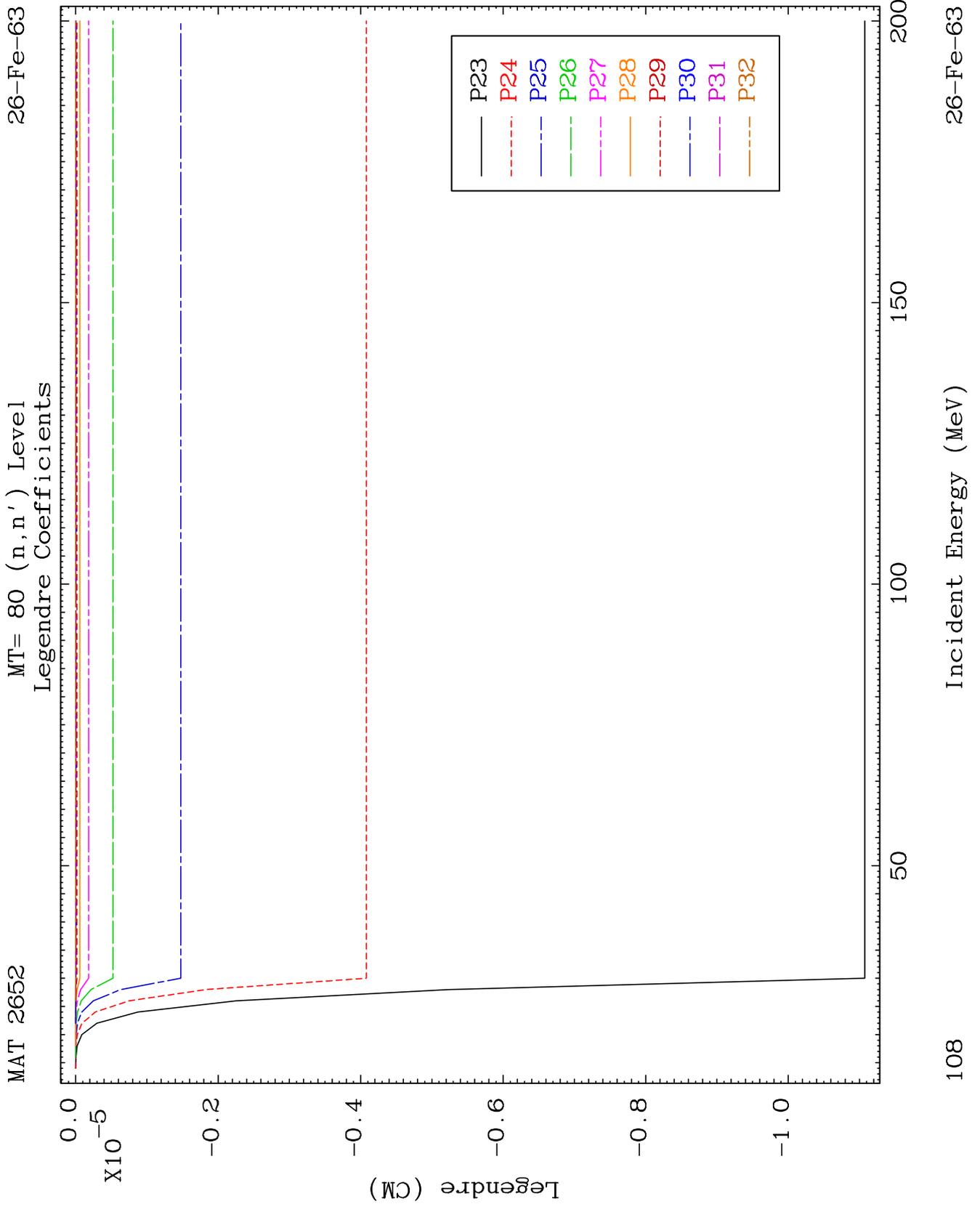
26-Fe-63



107

Incident Energy (MeV)

26-Fe-63

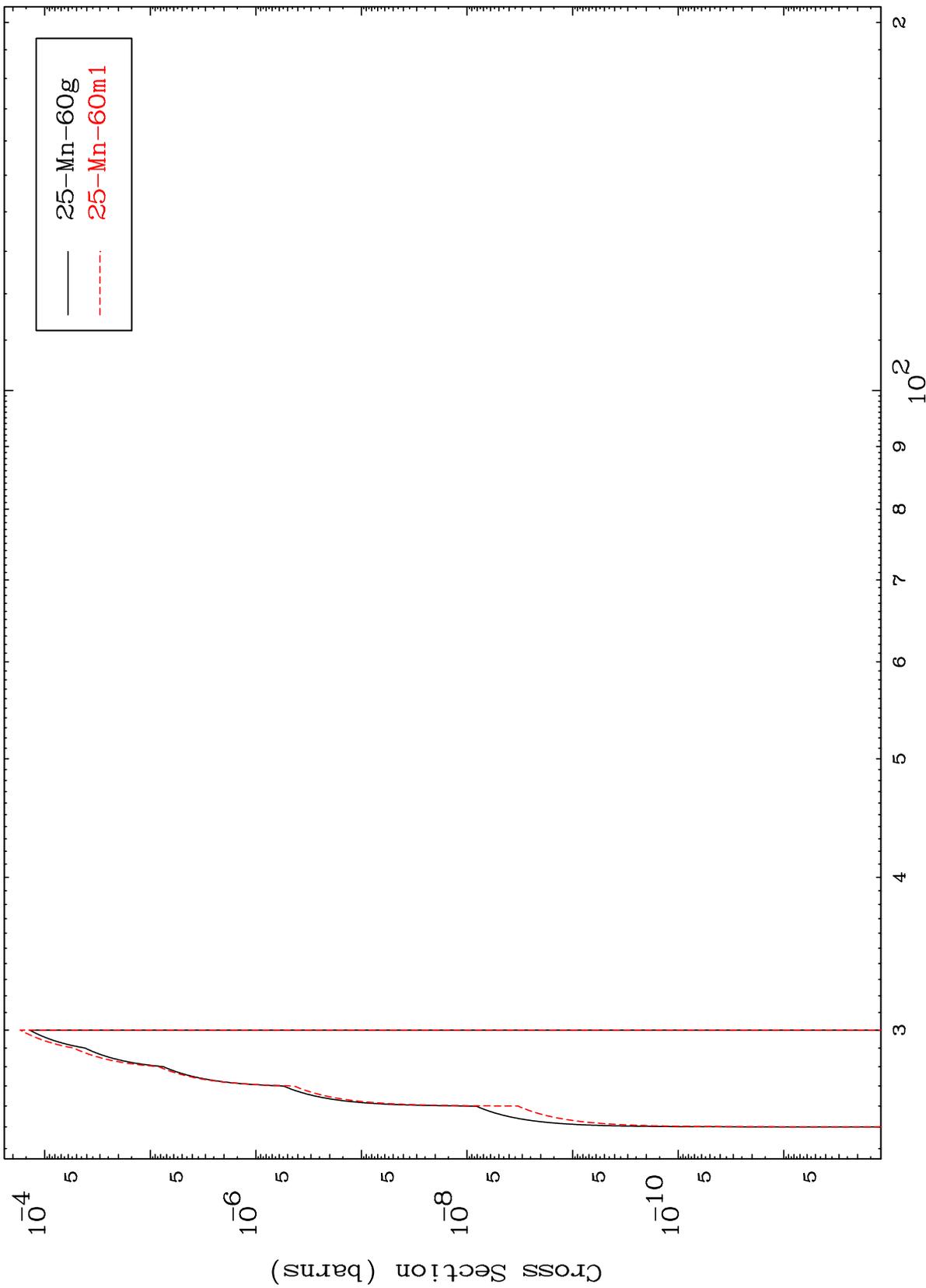


MAT 2652

(n,2n) d

26-Fe-63

Radionuclide Production Cross Section



25-Mn-60g  
25-Mn-60m1

109

Incident Energy (MeV)

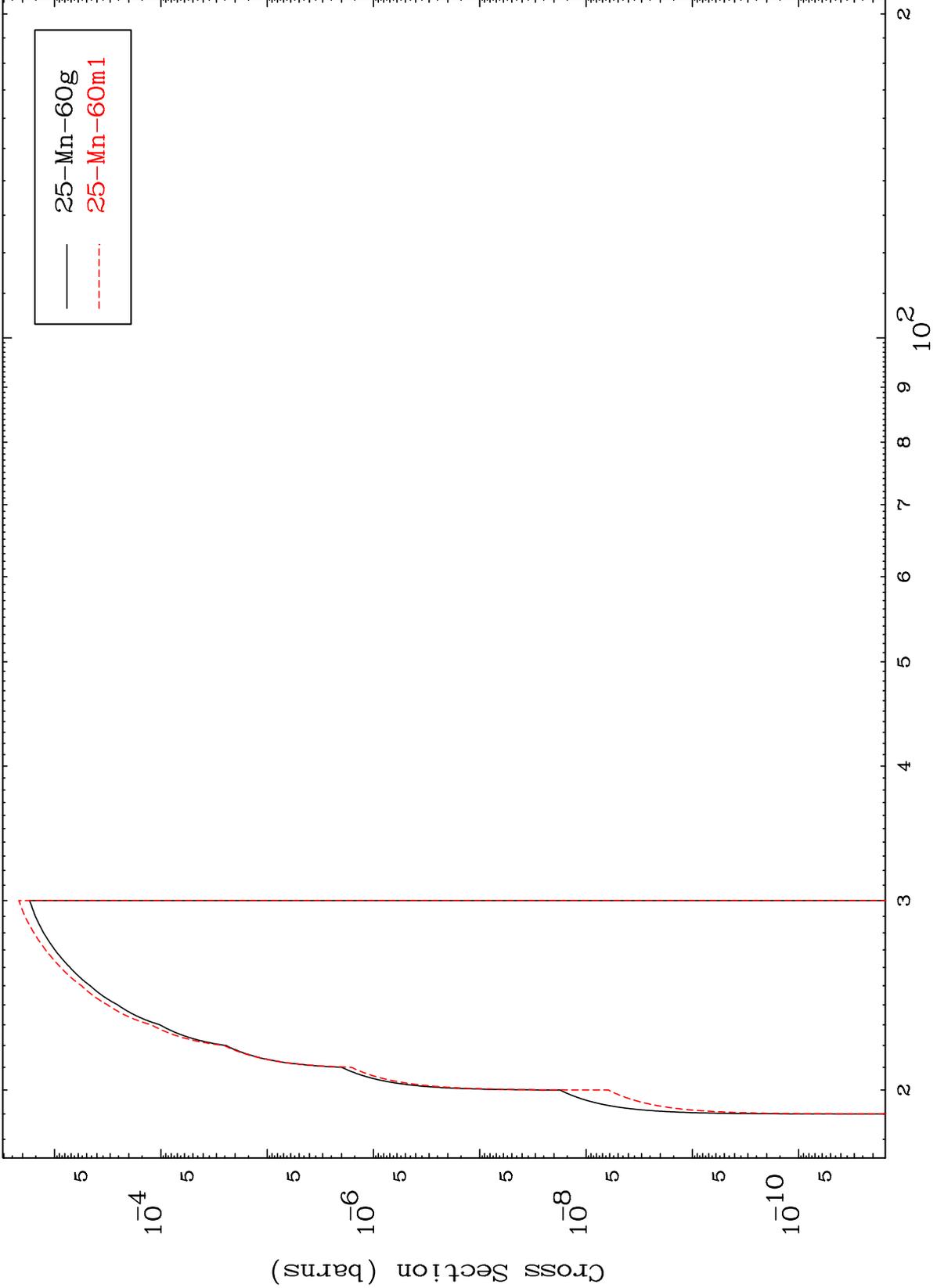
26-Fe-63

MAT 2652

(n,n') t

26-Fe-63

Radionuclide Production Cross Section



110

Incident Energy (MeV)

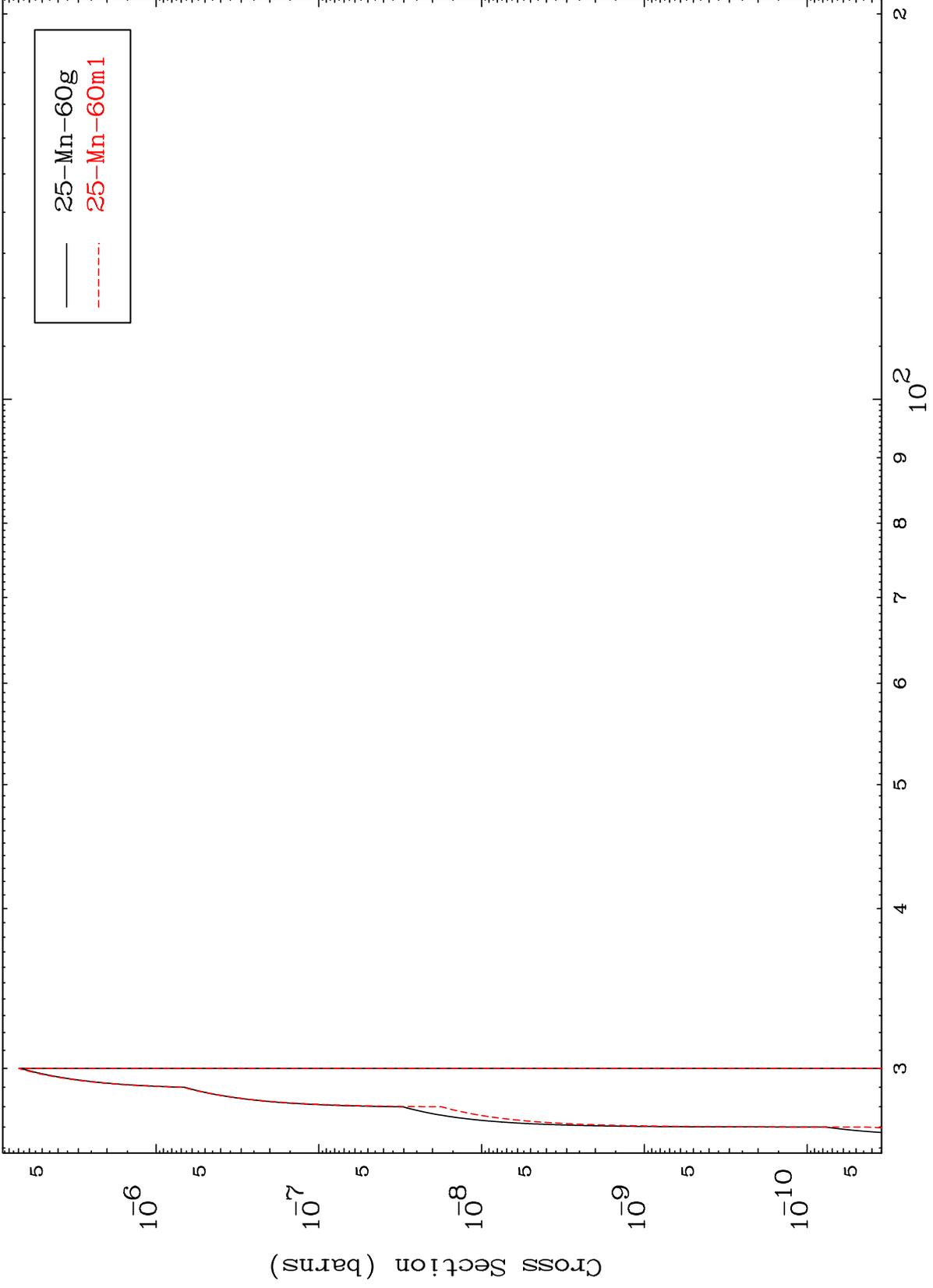
26-Fe-63

MAT 2652

(n,3n) p

<sup>26</sup>Fe-63

Radionuclide Production Cross Section



111

Incident Energy (MeV)

<sup>26</sup>Fe-63