

Program EVALPLOT
(Version 2018-1)

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

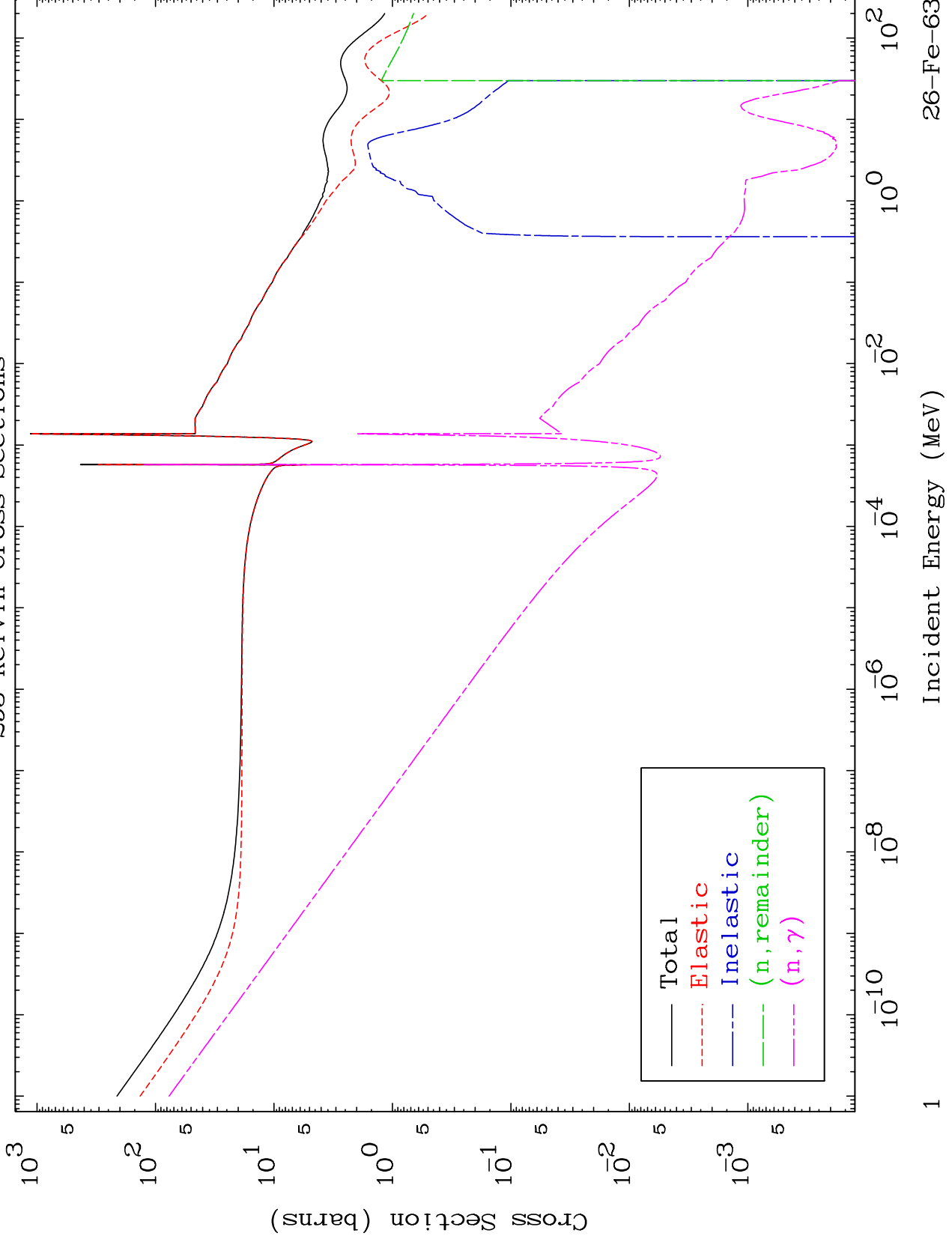
Press Mouse Button to Start

MAT 2652

Major

293 Kelvin Cross Sections

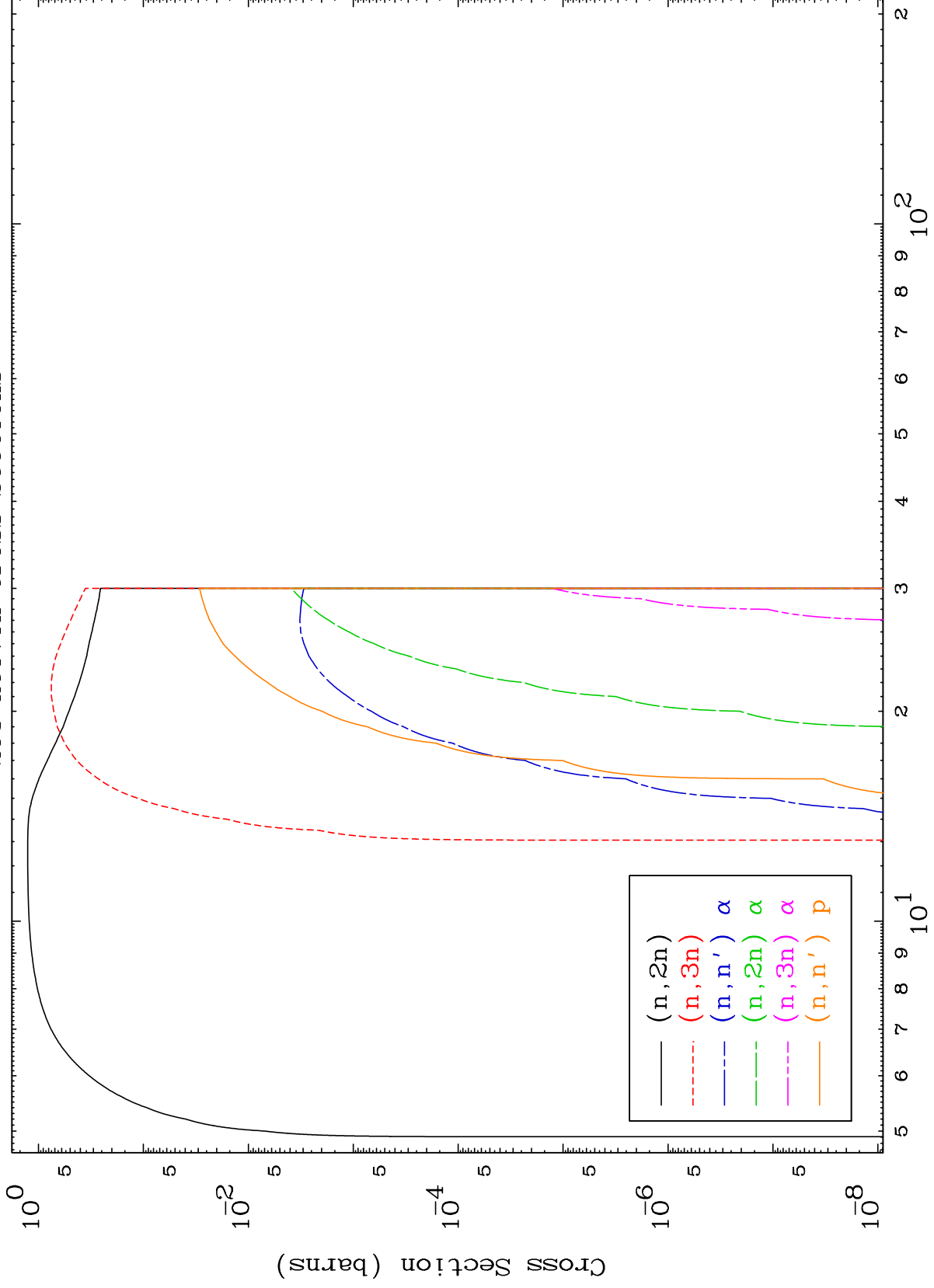
26-Fe-63



MAT 2652

Neutron Production
293 Kelvin Cross Sections

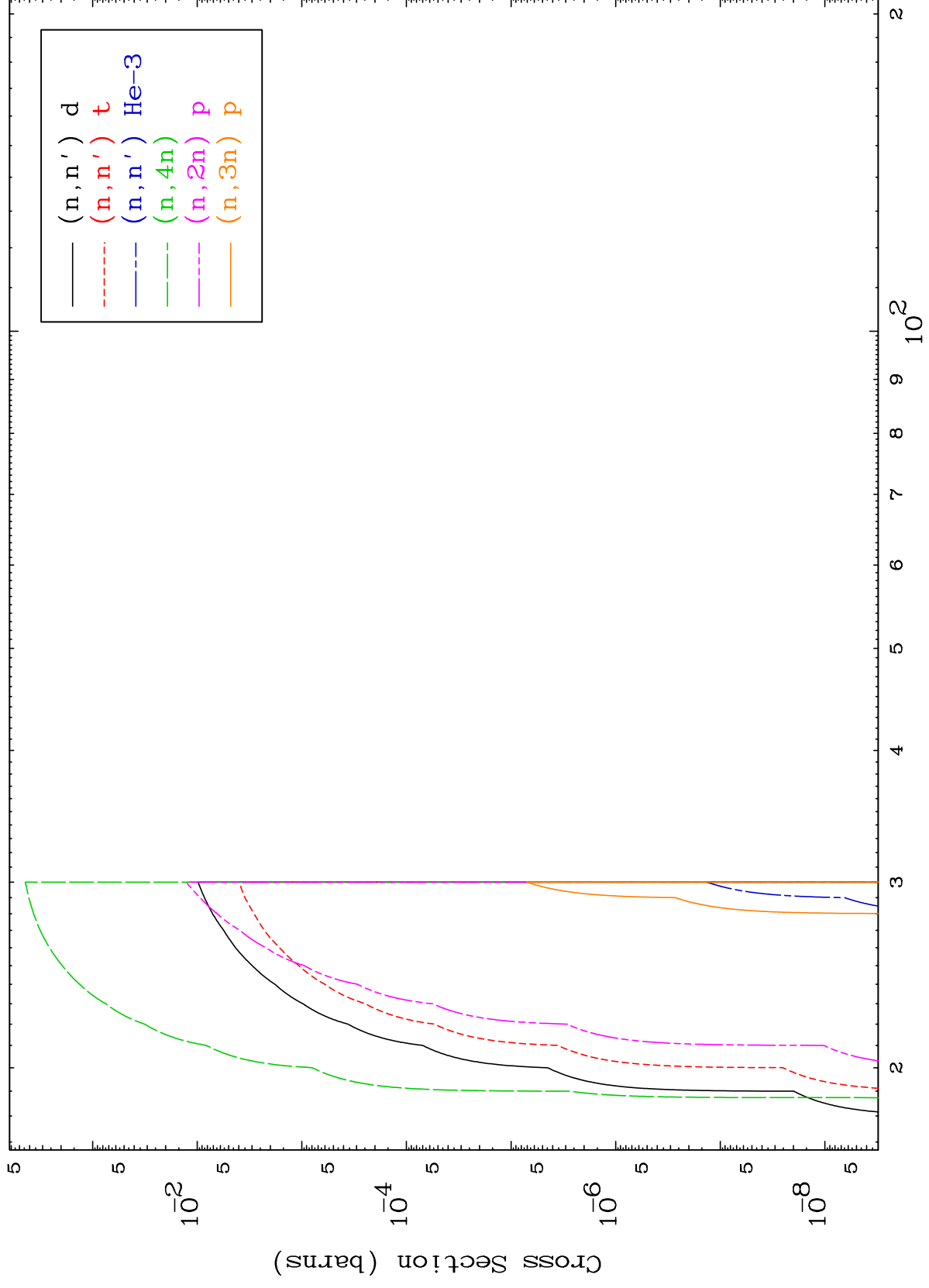
26-Fe-63



2

Incident Energy (MeV)

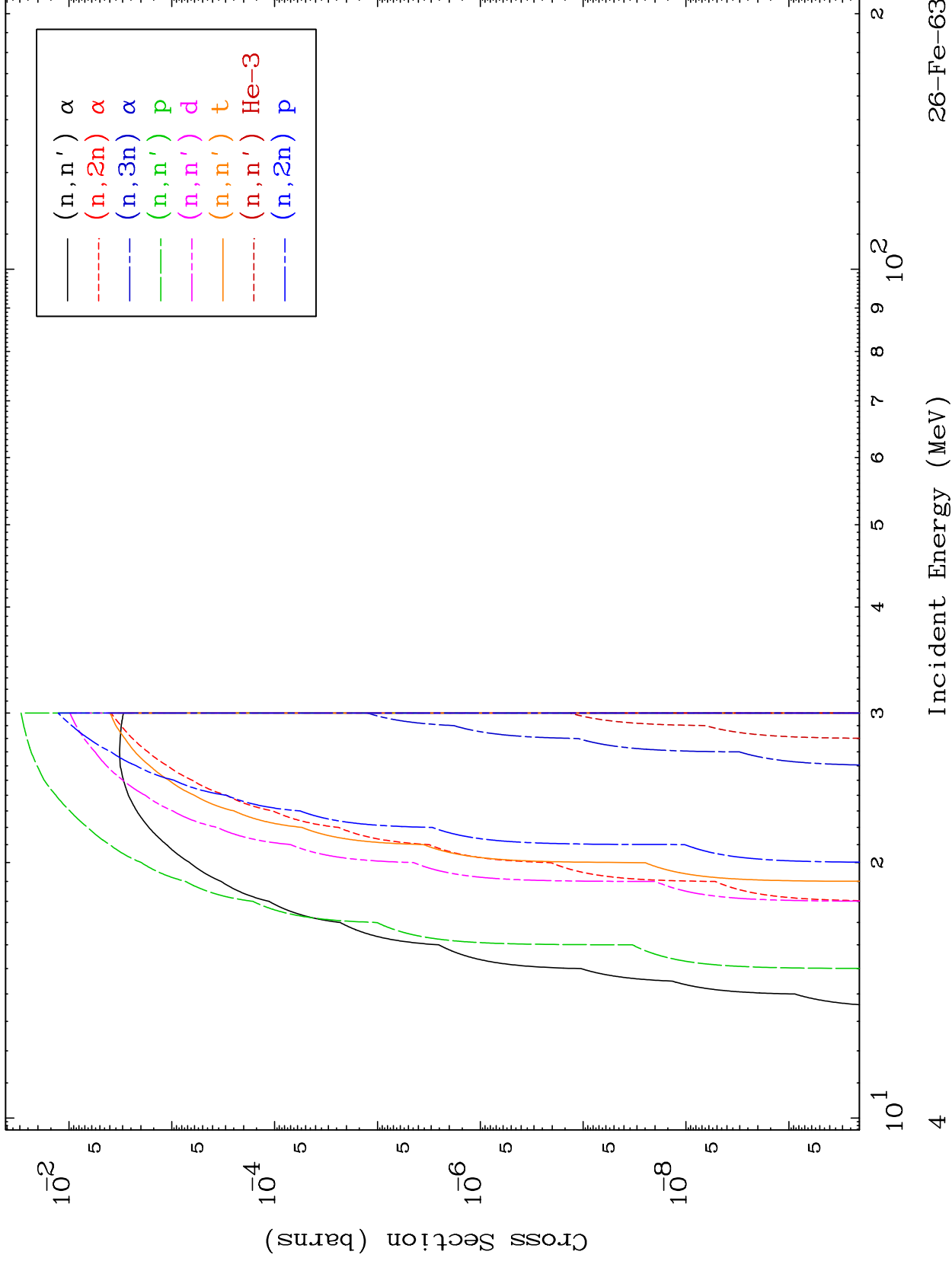
26-Fe-63



MAT 2652

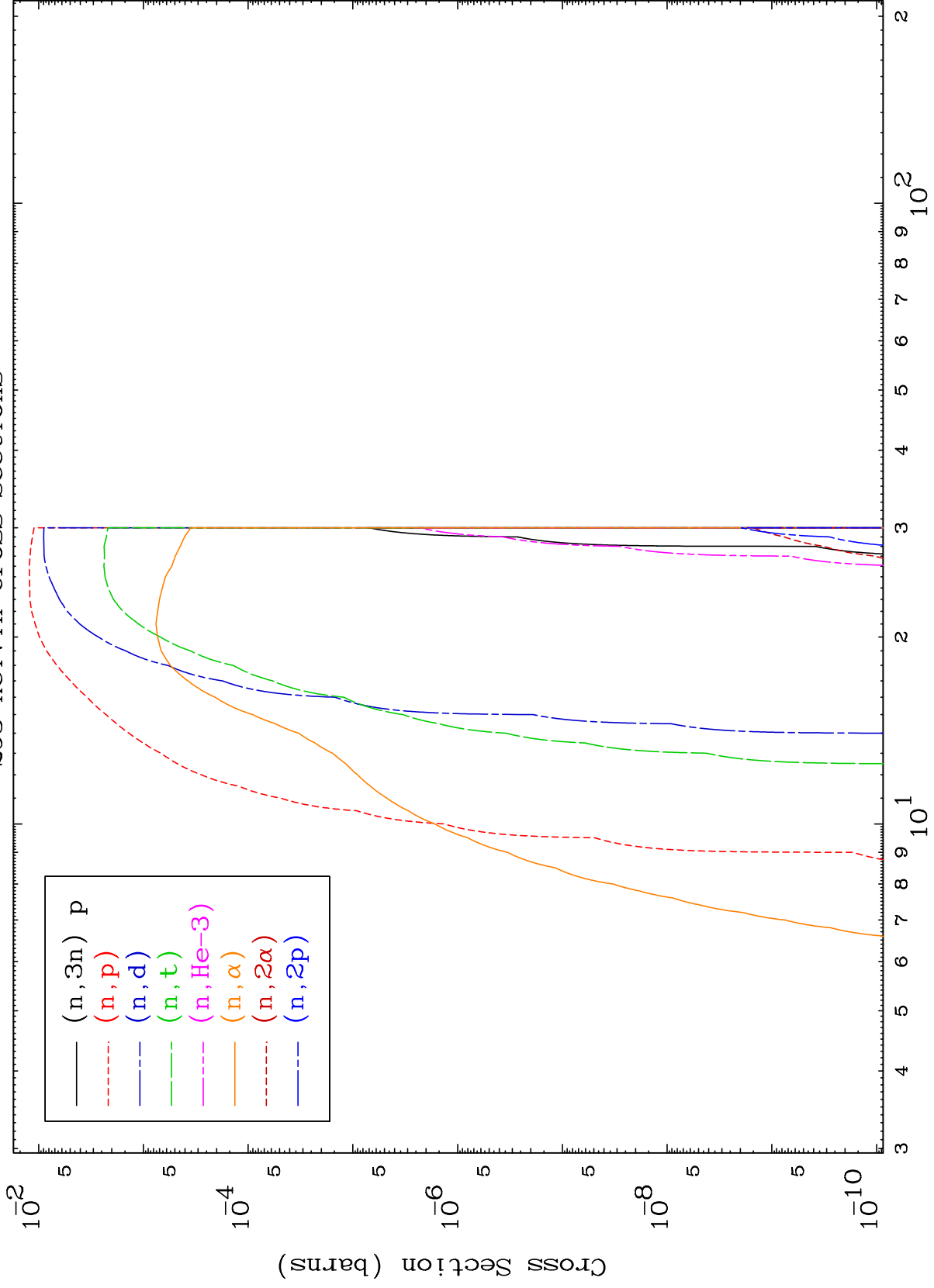
Charged Particle
293 Kelvin Cross Sections

26-Fe-63



Incident Energy (MeV)

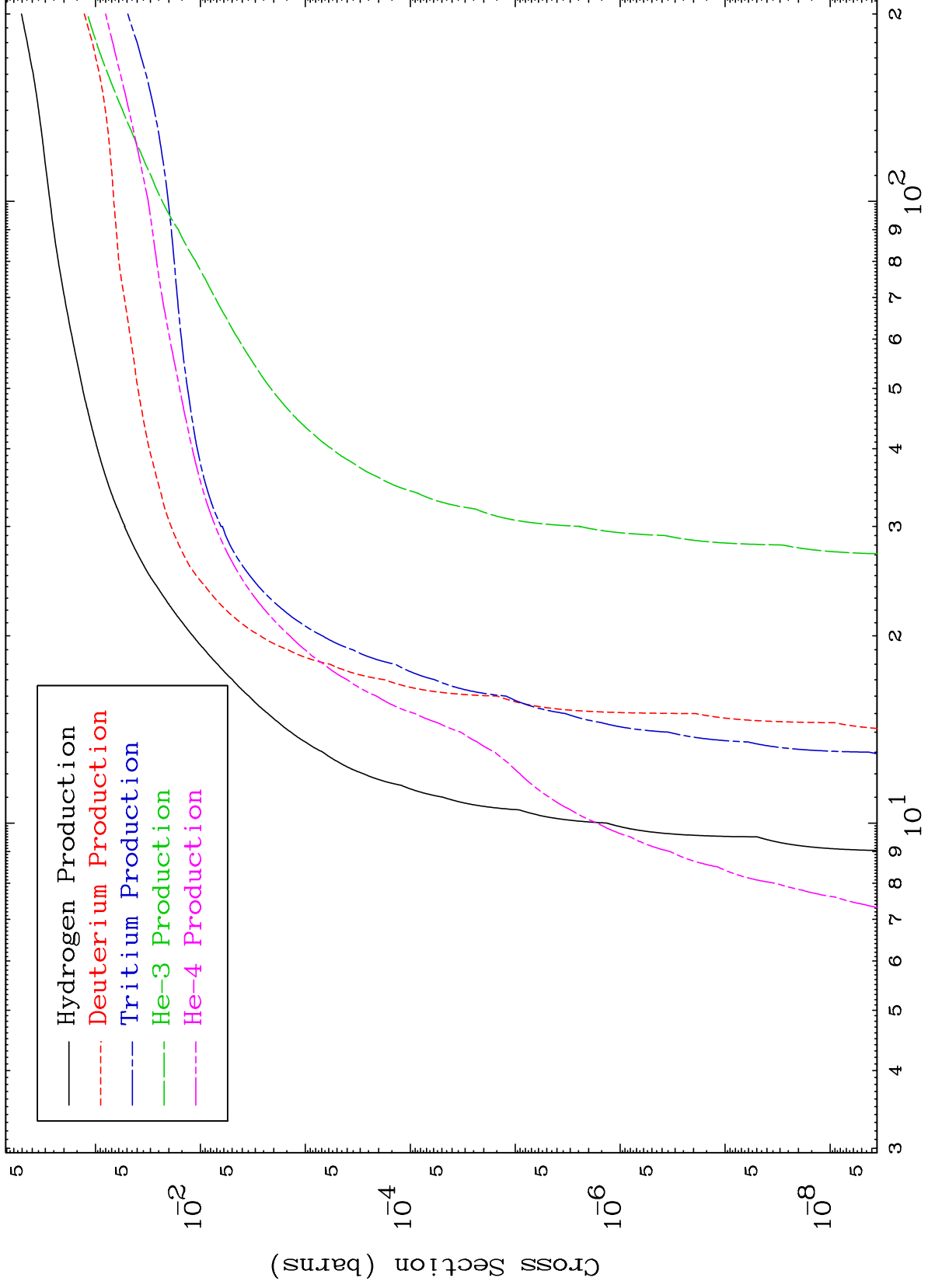
26-Fe-63



MAT 2652

Particle Production
293 Kelvin Cross Sections

26-Fe-63



Incident Energy (MeV)

26-Fe-63

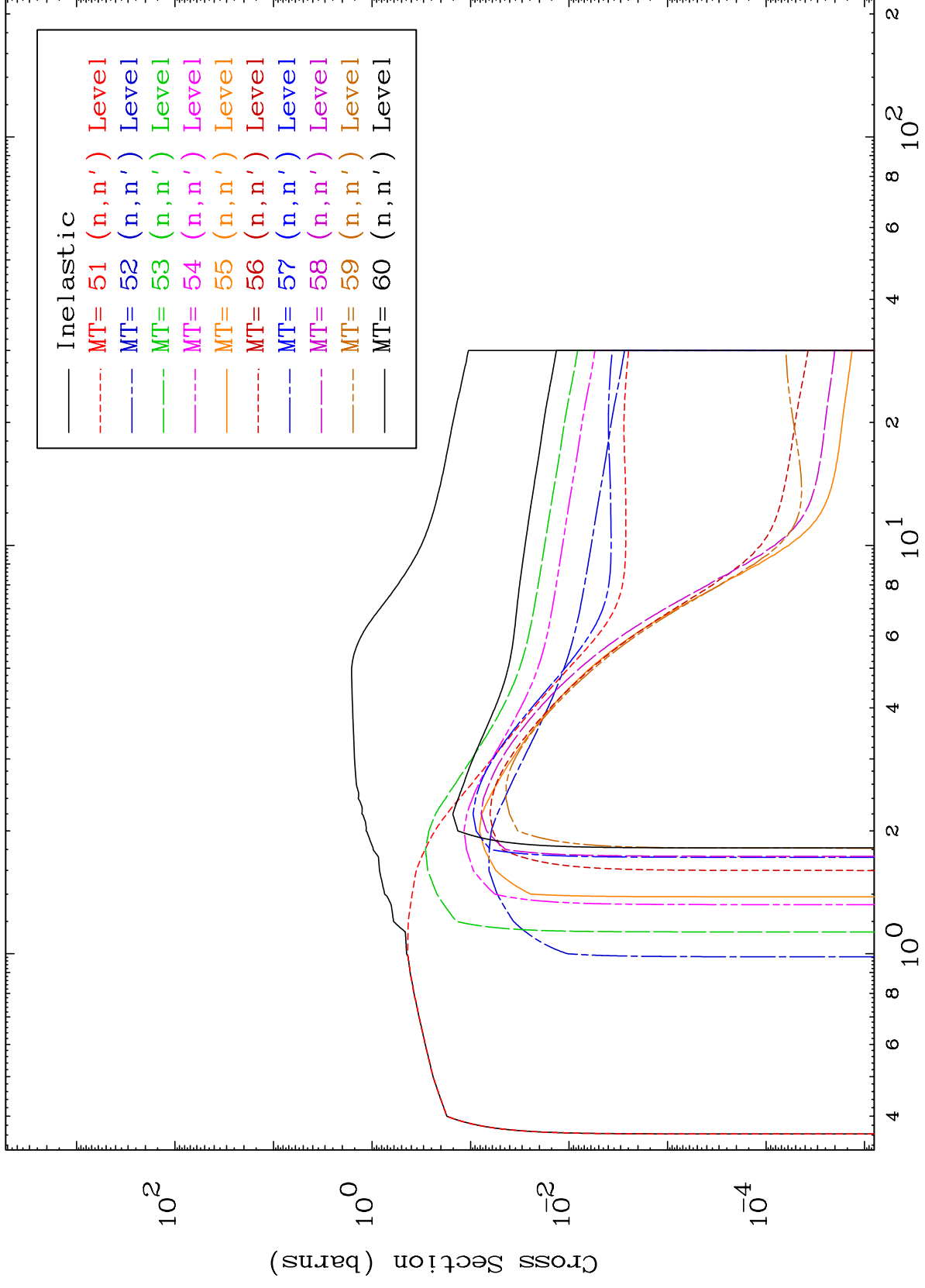
6

MAT 2652

(n,n') Level

26-Fe-63

293 Kelvin Cross Sections

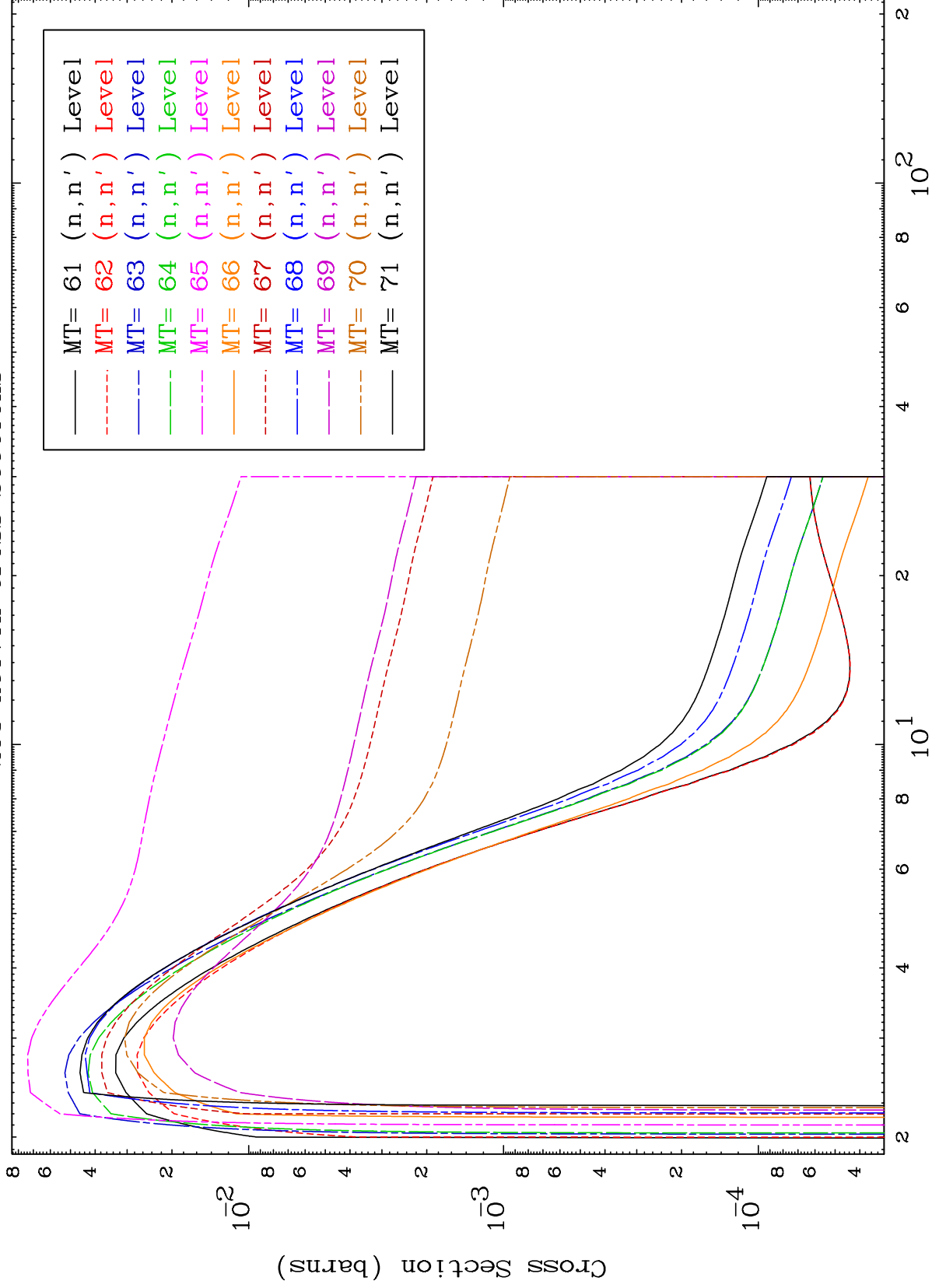


MAT 2652

(n,n') Level

26-Fe-63

293 Kelvin Cross Sections



Incident Energy (MeV)

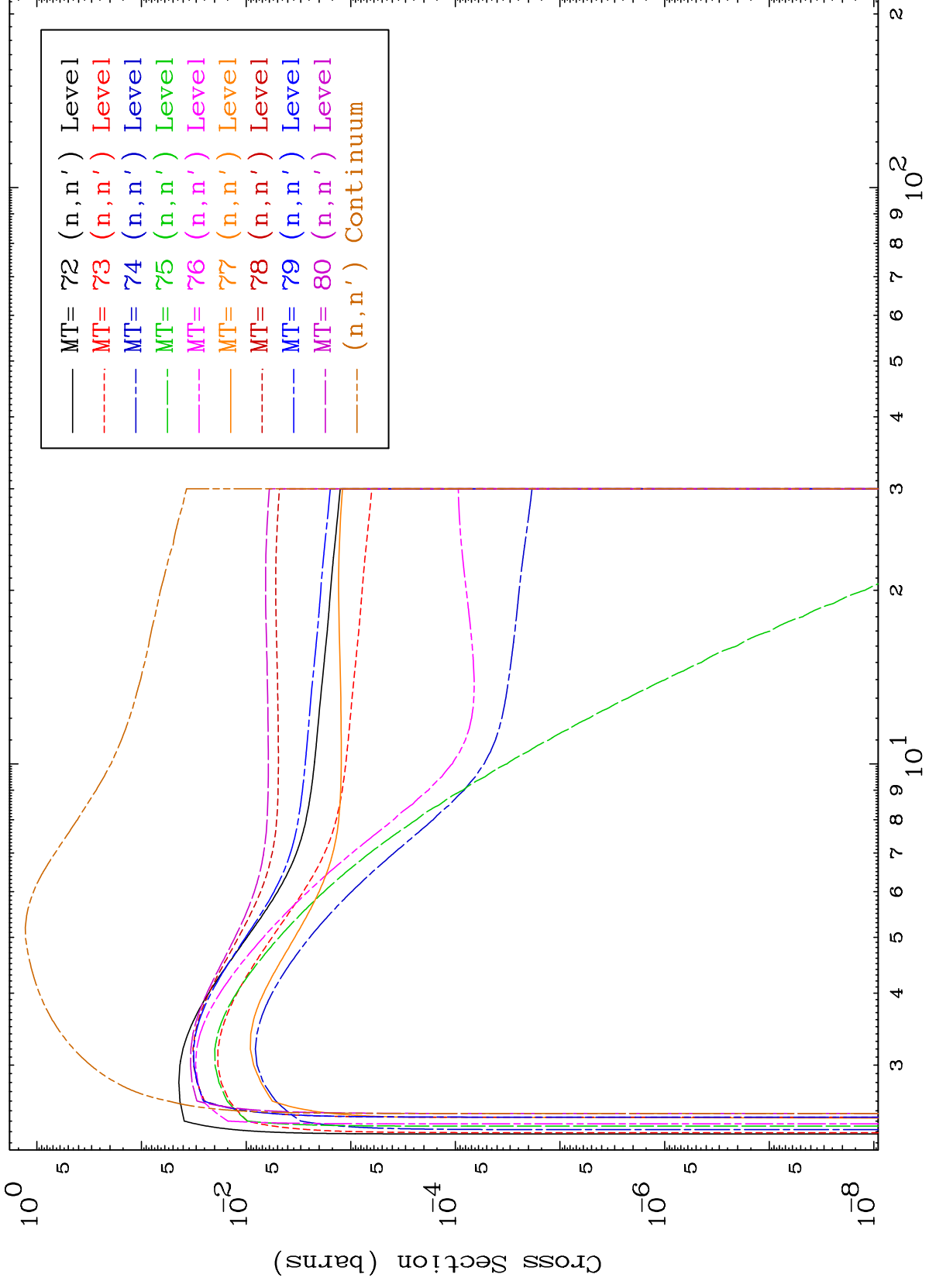
26-Fe-63

MAT 2652

(n,n') Level

26-Fe-63

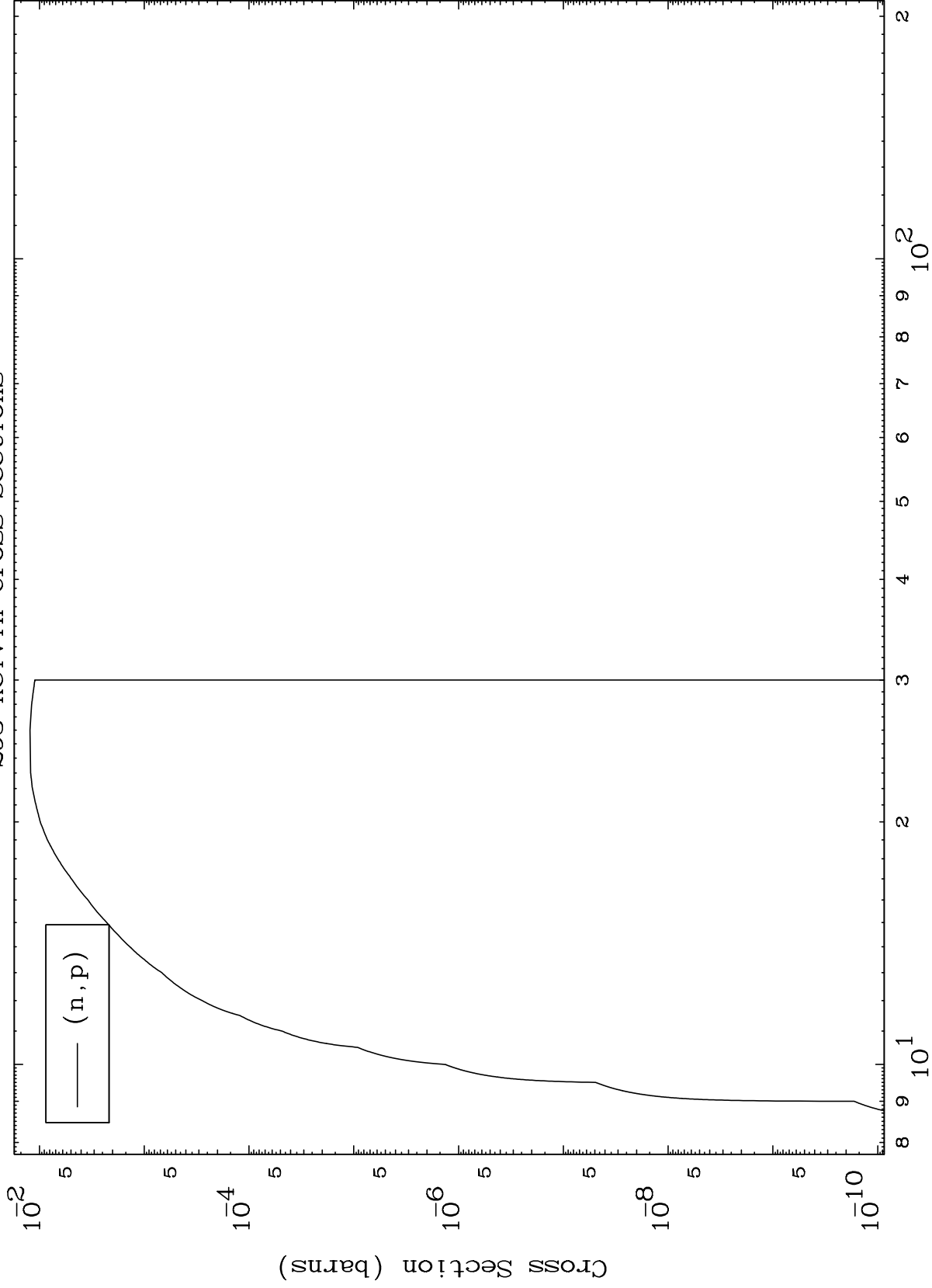
293 Kelvin Cross Sections



MAT 2652

(n,p) Levels
293 Kelvin Cross Sections

26-Fe-63



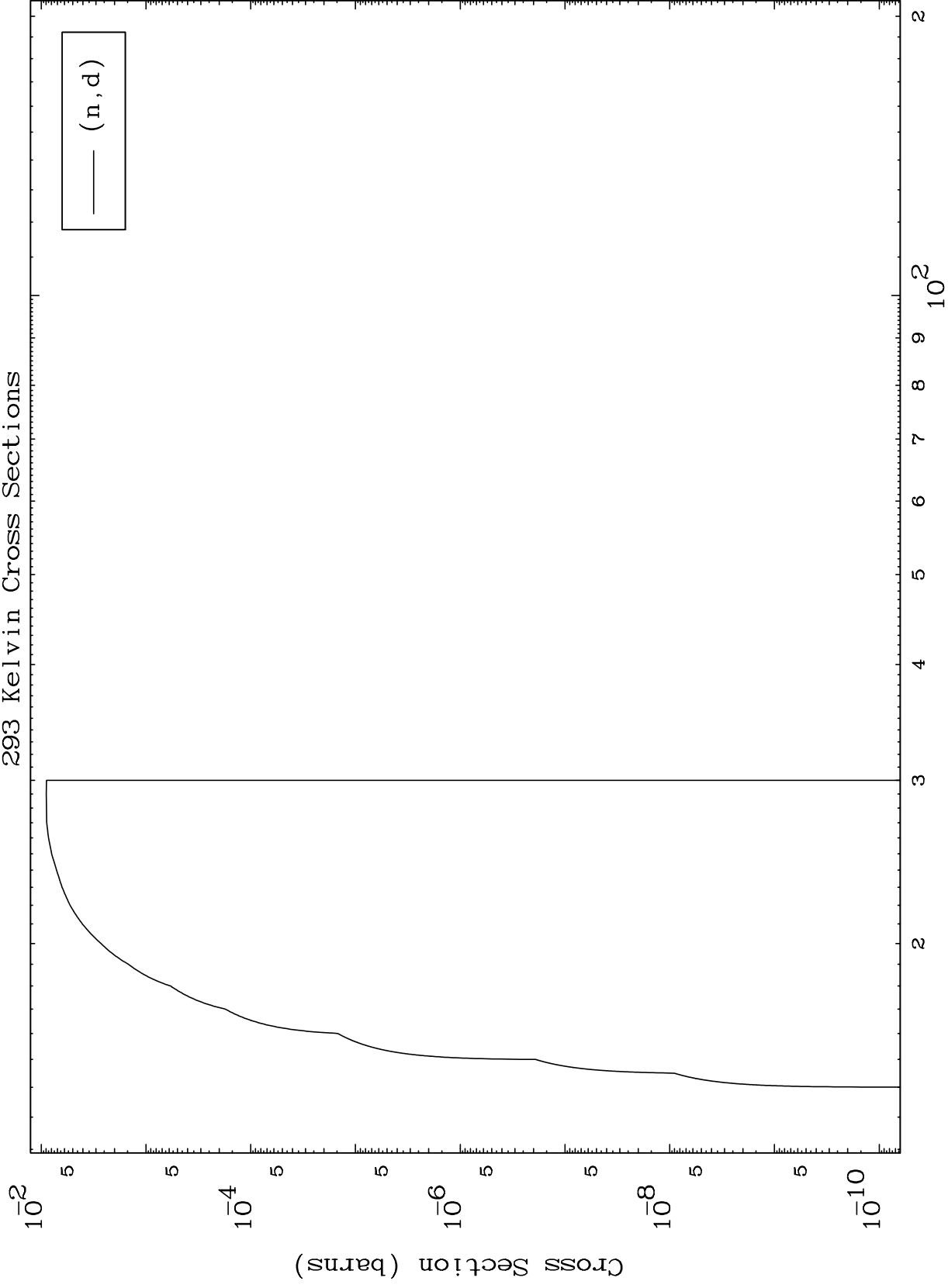
Incident Energy (MeV)

26-Fe-63

MAT 2652

(n,d) Levels
293 Kelvin Cross Sections

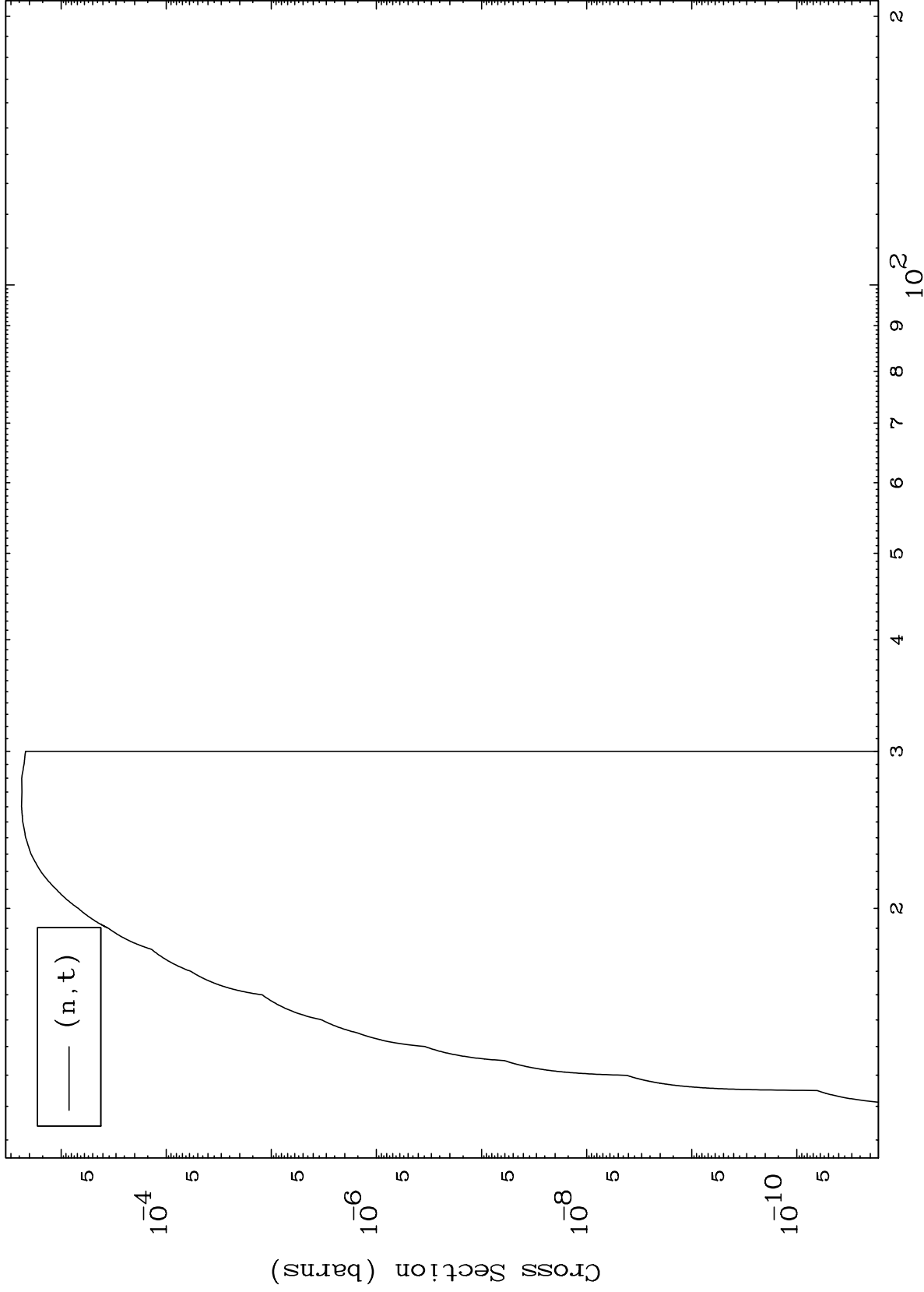
26-Fe-63



11

Incident Energy (MeV)

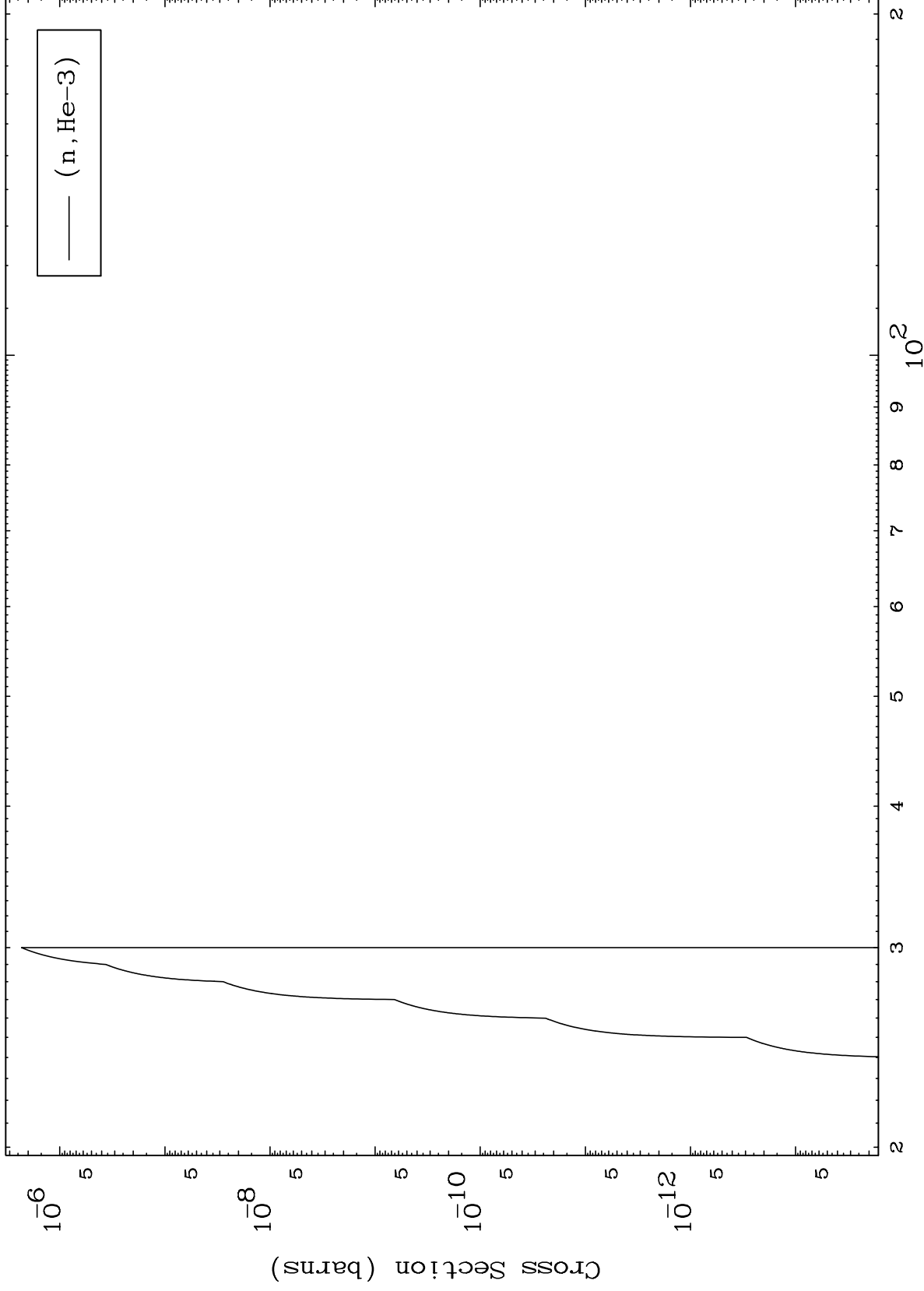
26-Fe-63



MAT 2652

(n,He3) Levels
293 Kelvin Cross Sections

26-Fe-63



13

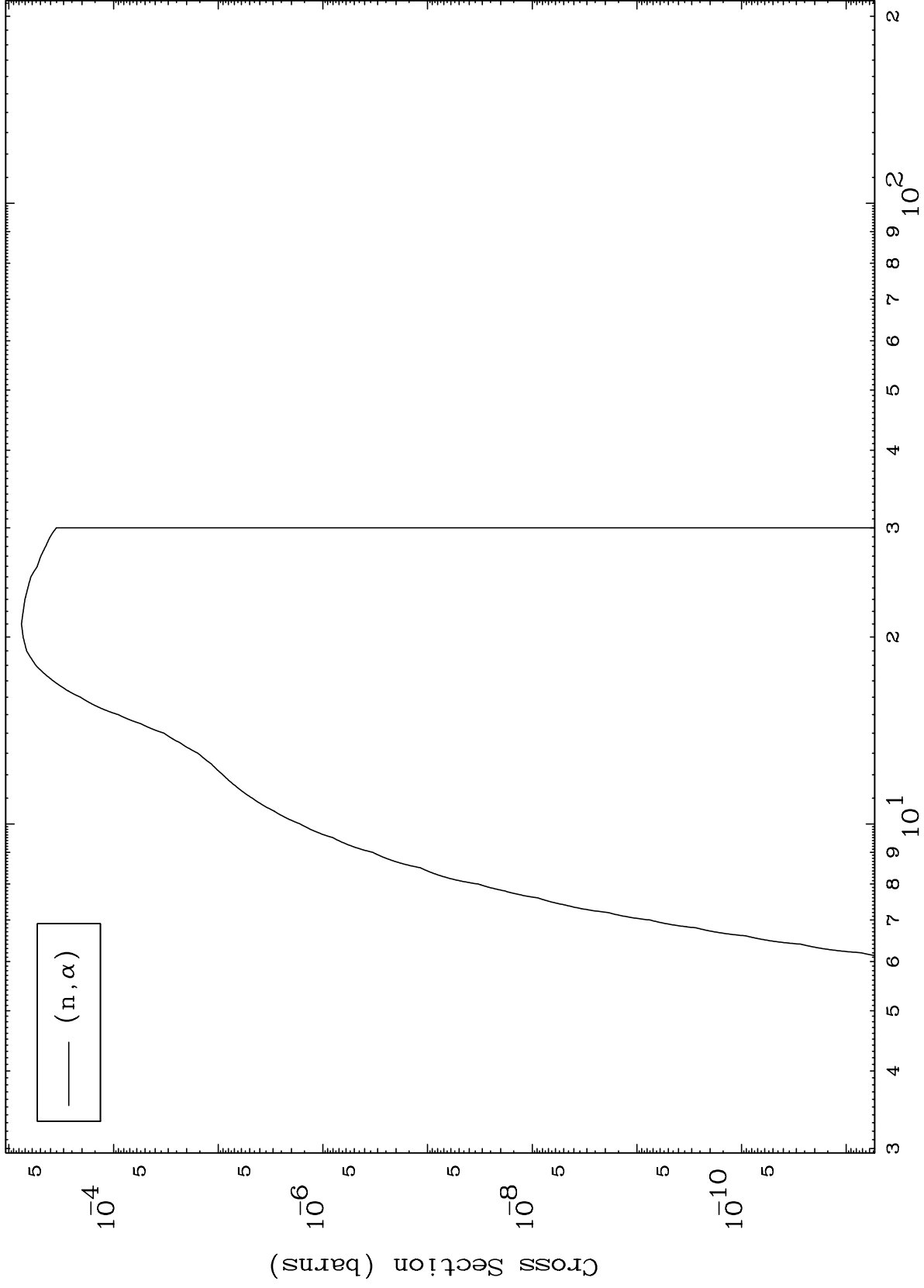
Incident Energy (MeV)

26-Fe-63

MAT 2652

(n, α) Levels
293 Kelvin Cross Sections

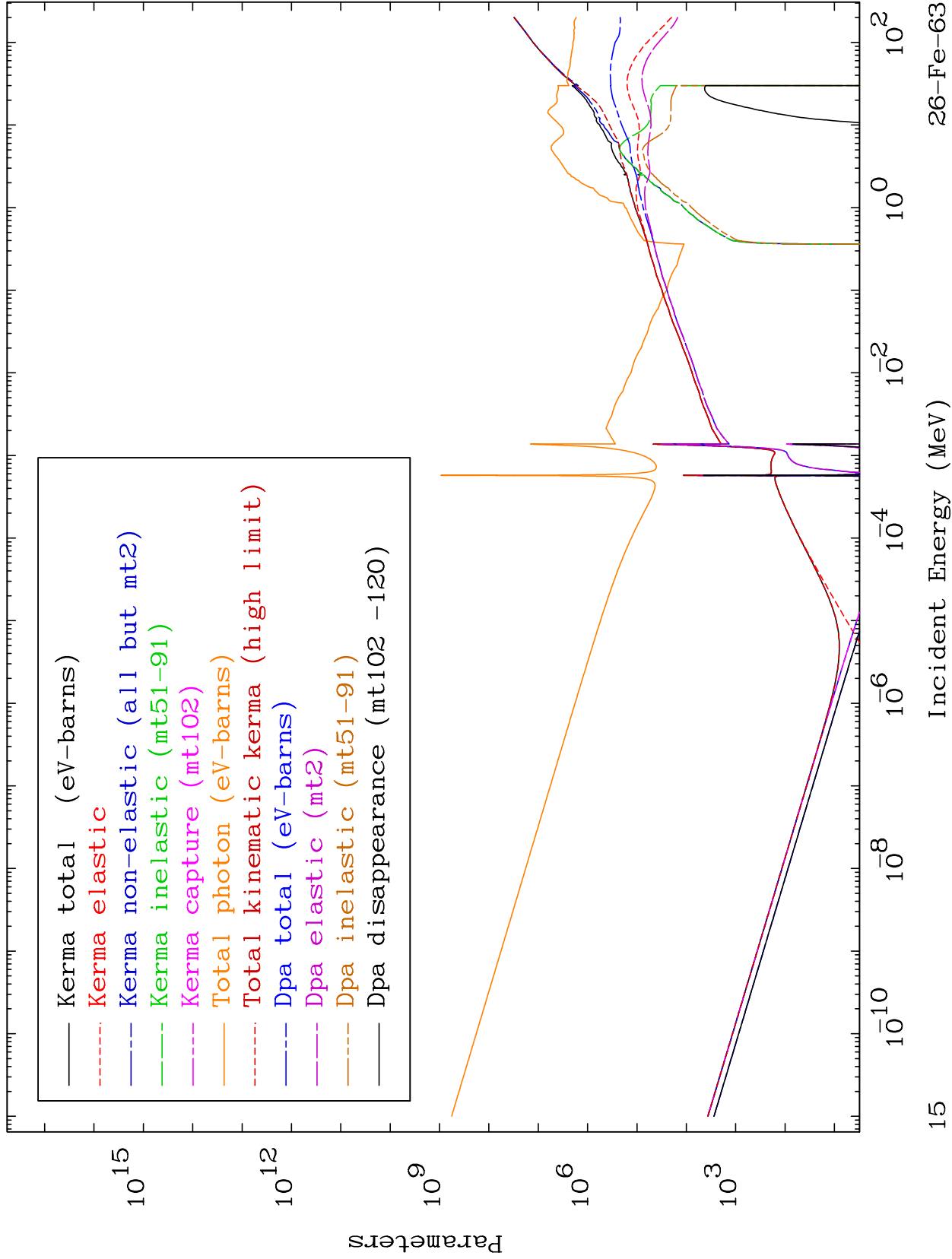
26-Fe-63



14

Incident Energy (MeV)

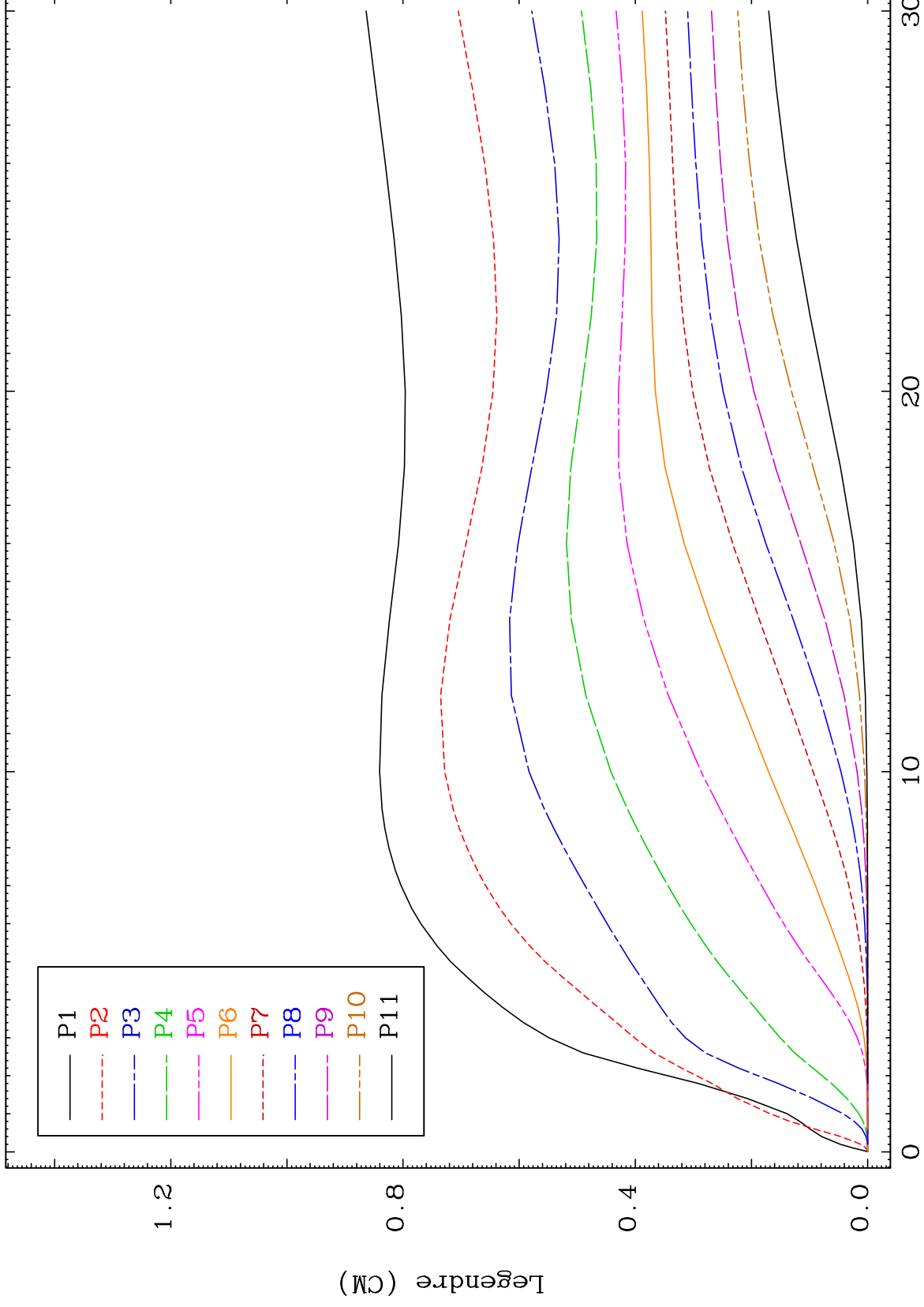
26-Fe-63



MAT 2652

Elastic Legendre Coefficients

²⁶Fe-63



16

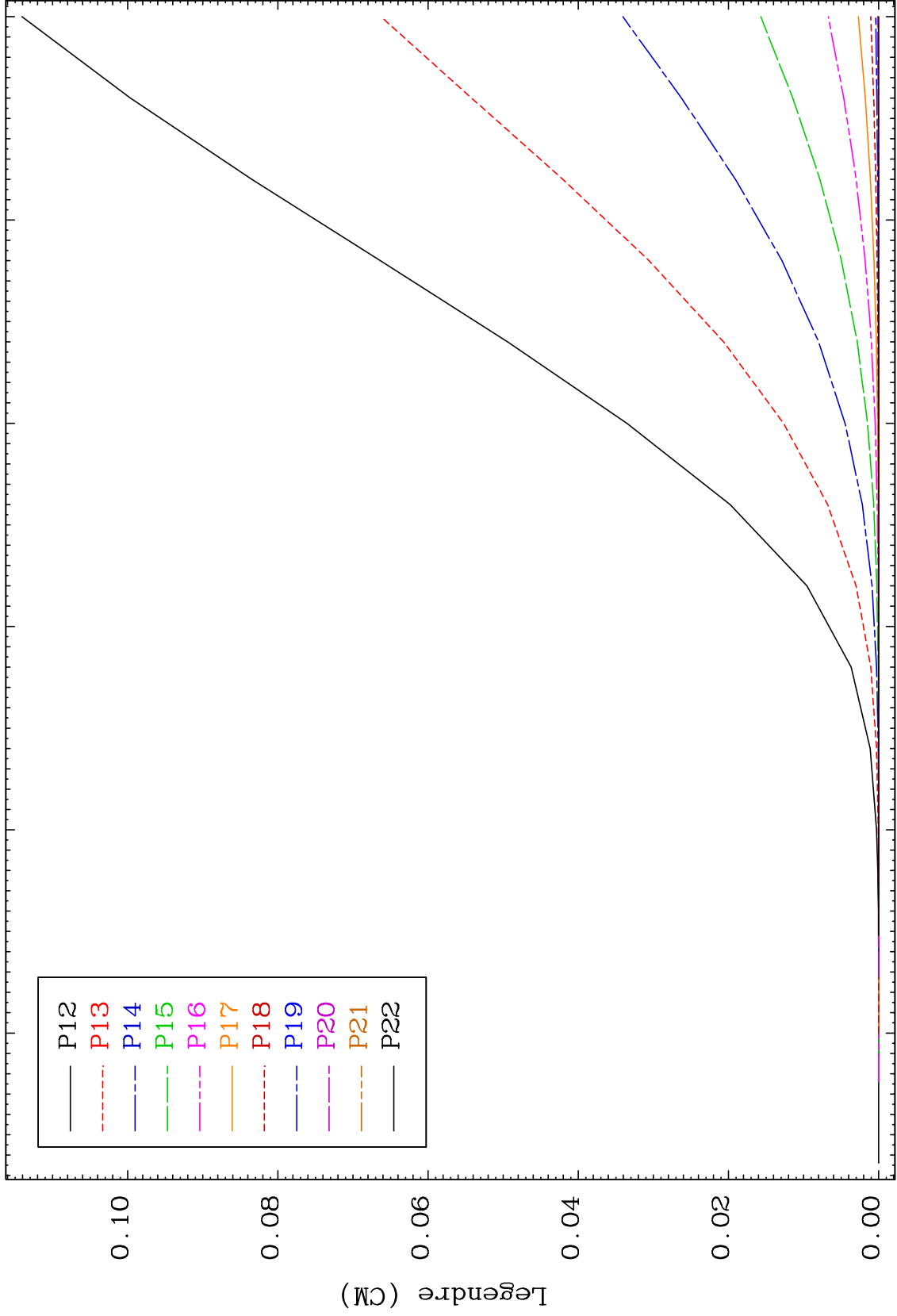
Incident Energy (MeV)

²⁶Fe-63

MAT 2652

Elastic
Legendre Coefficients

26-Fe-63



17

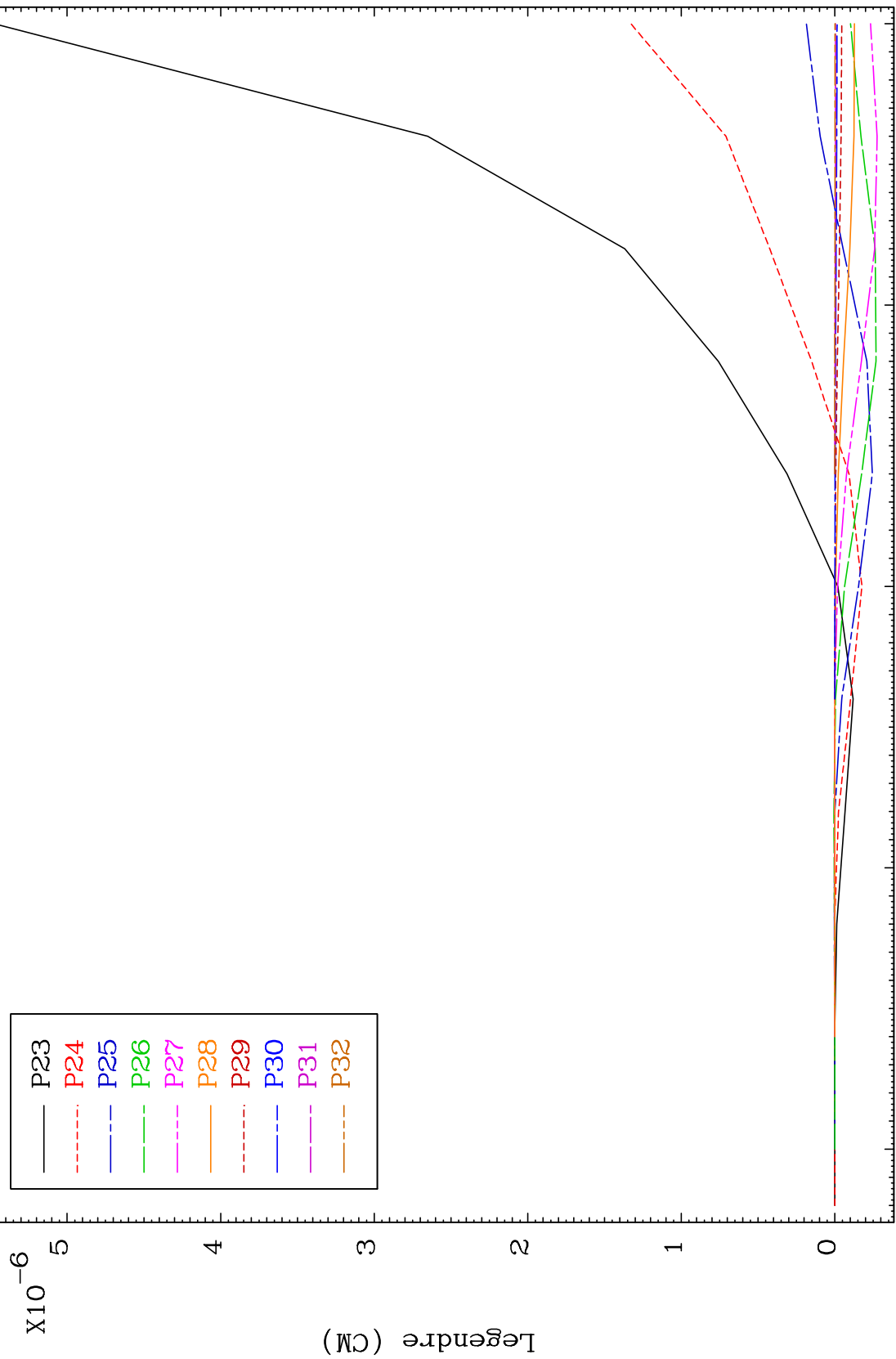
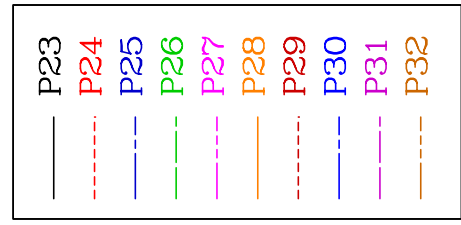
Incident Energy (MeV)

26-Fe-63

MAT 2652

Elastic Legendre Coefficients

26-Fe-63



18

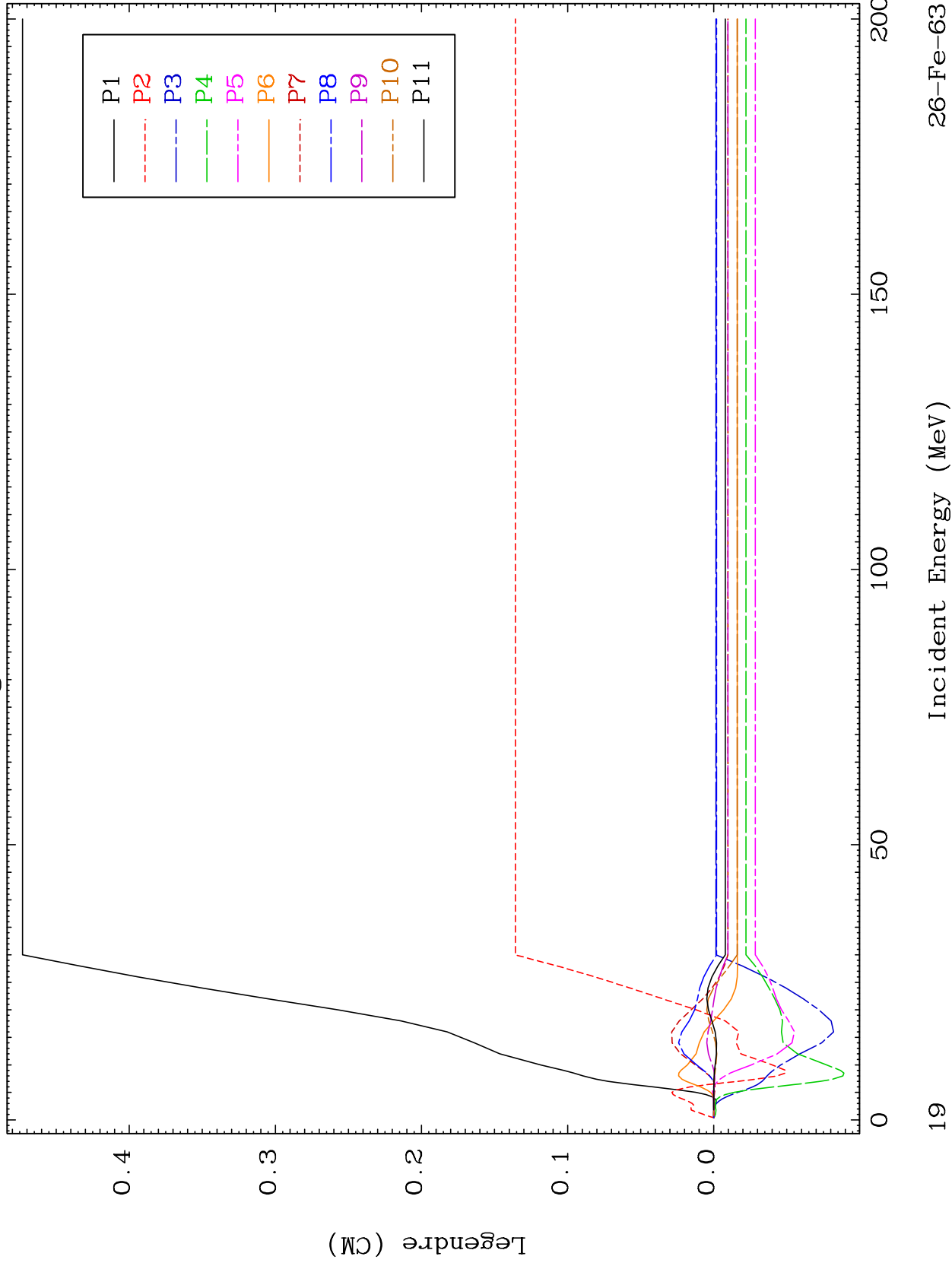
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



26-Fe-63

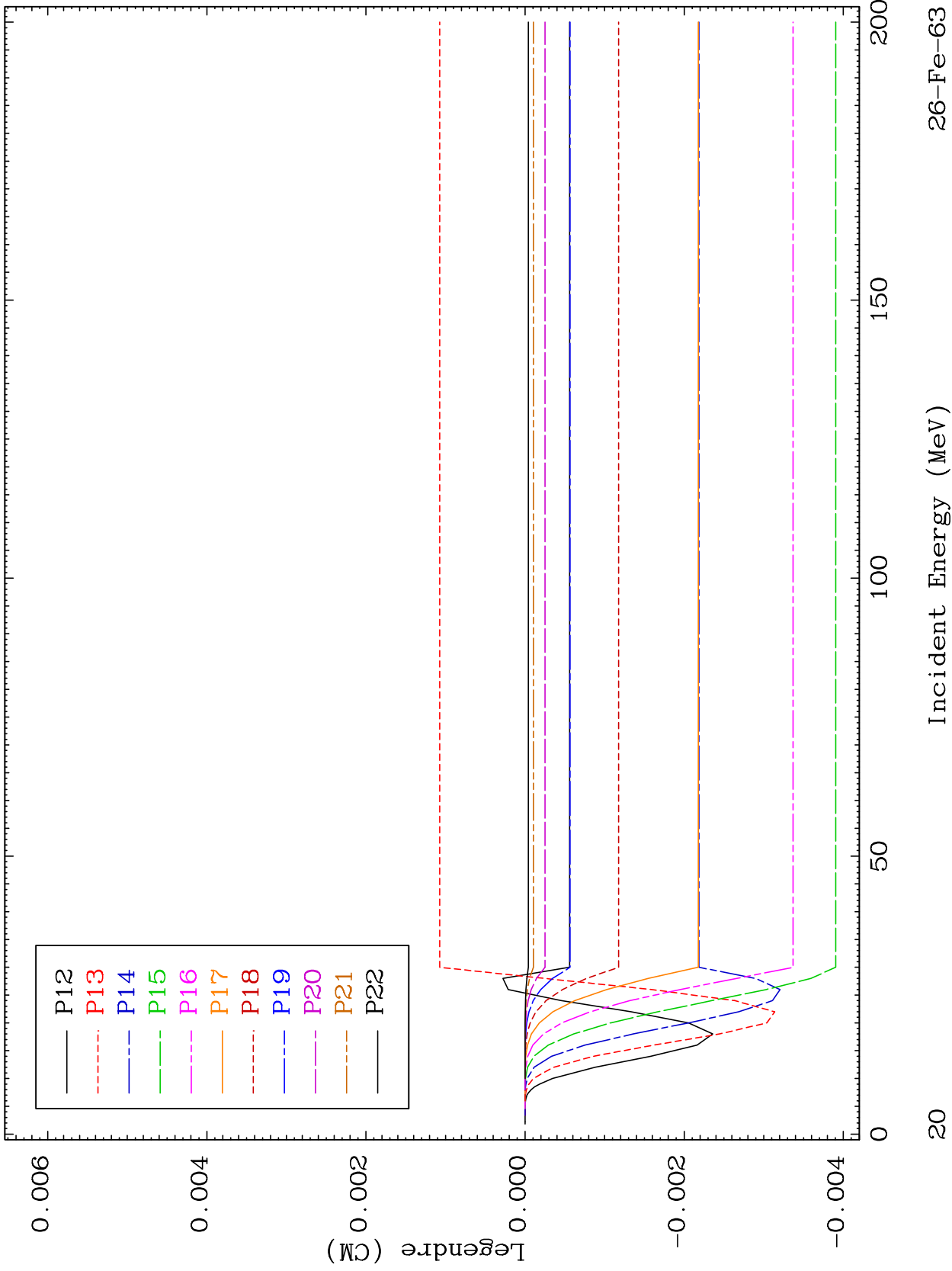
Incident Energy (MeV)

19

MAT 2652

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

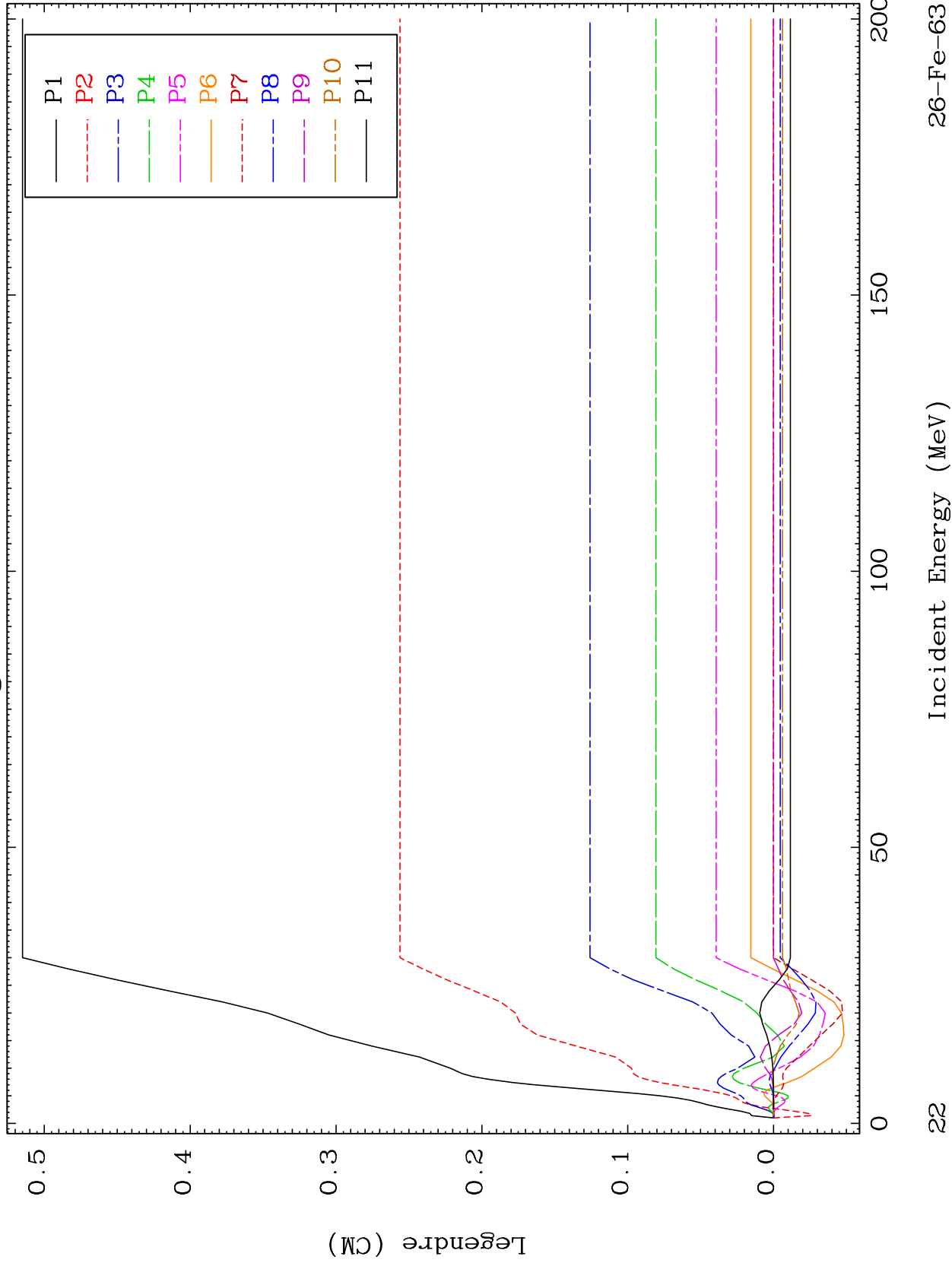
26-Fe-63



MAT 2652

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

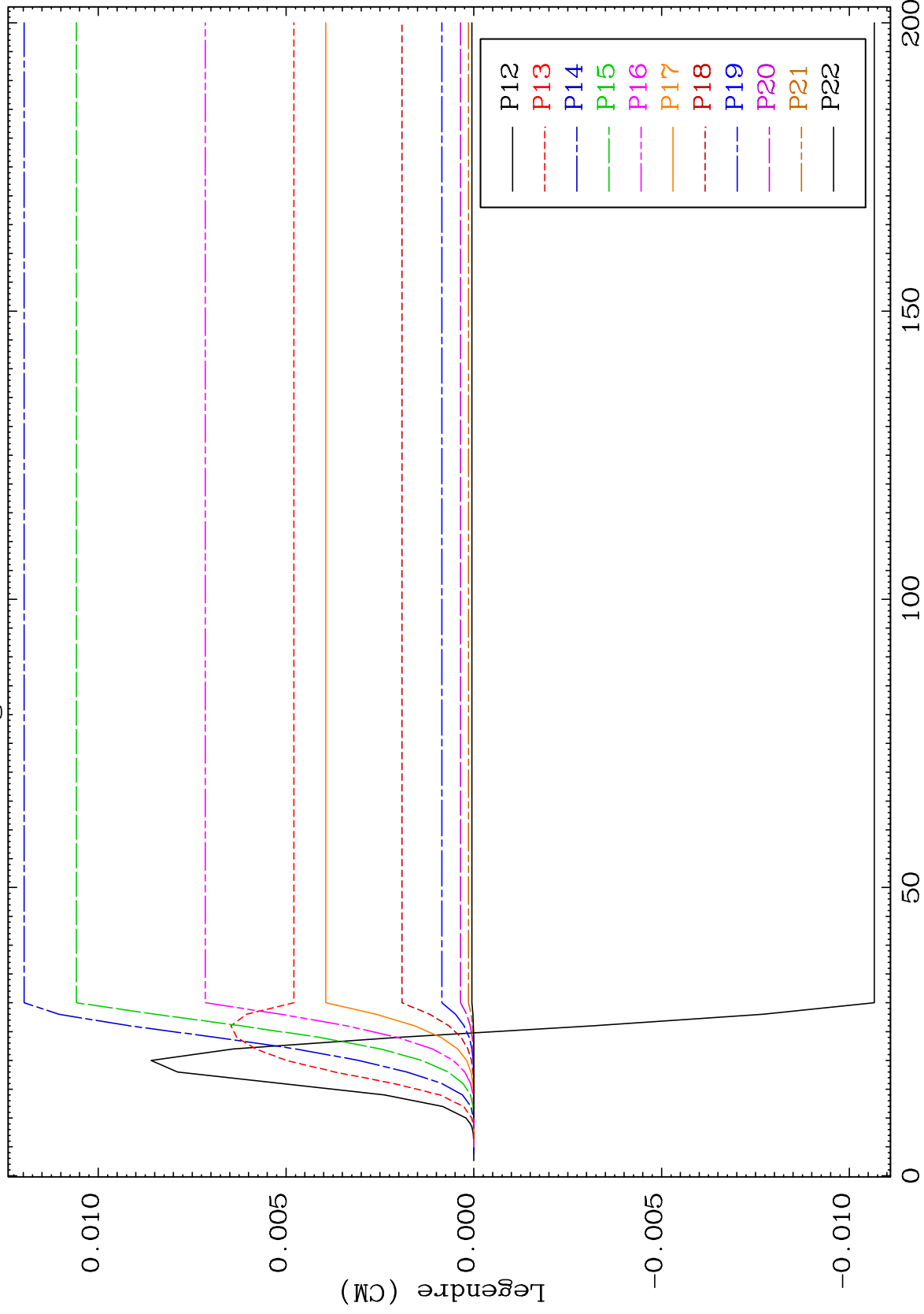
26-Fe-63



MAT 2652

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

26-Fe-63



23

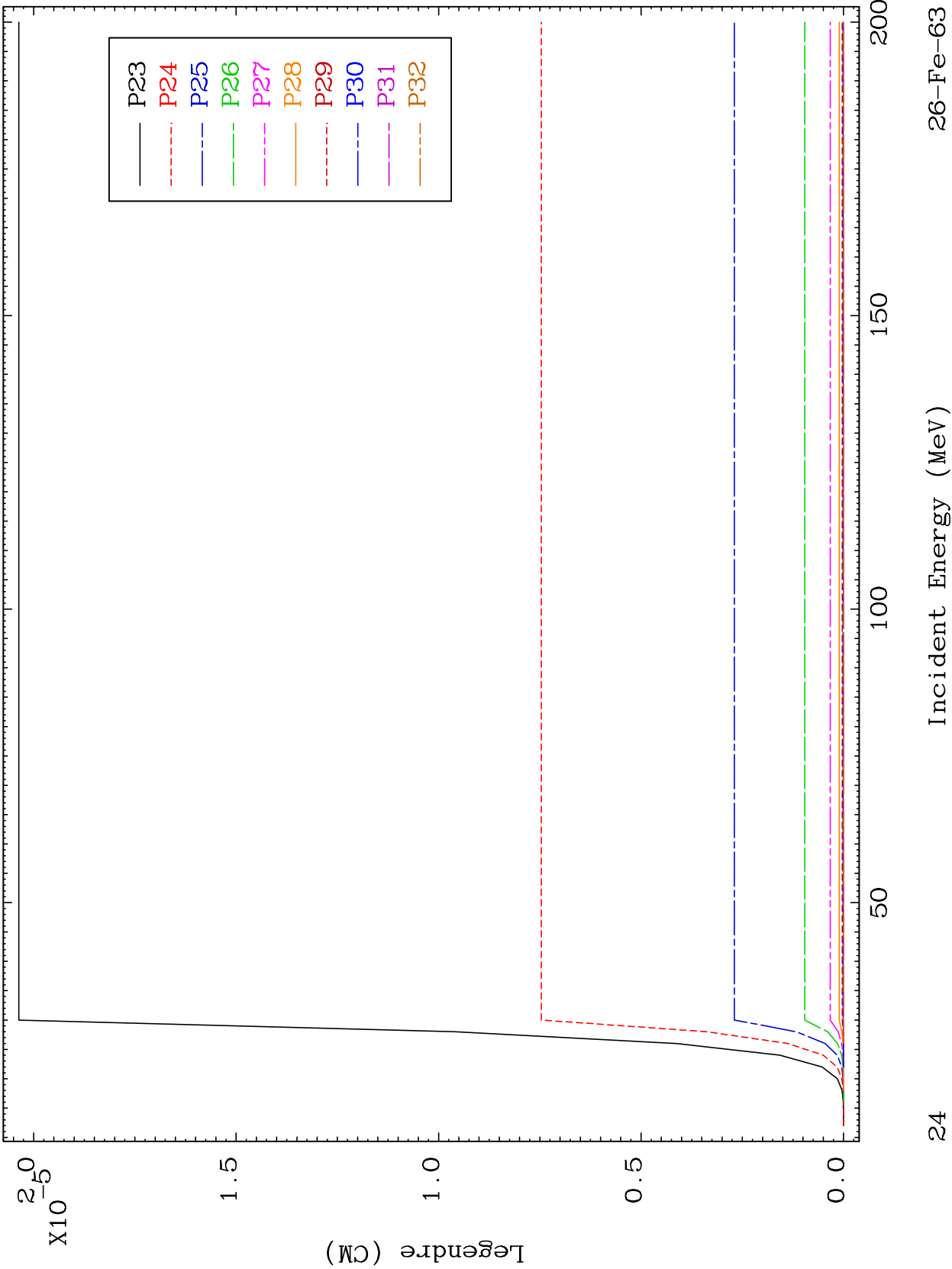
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

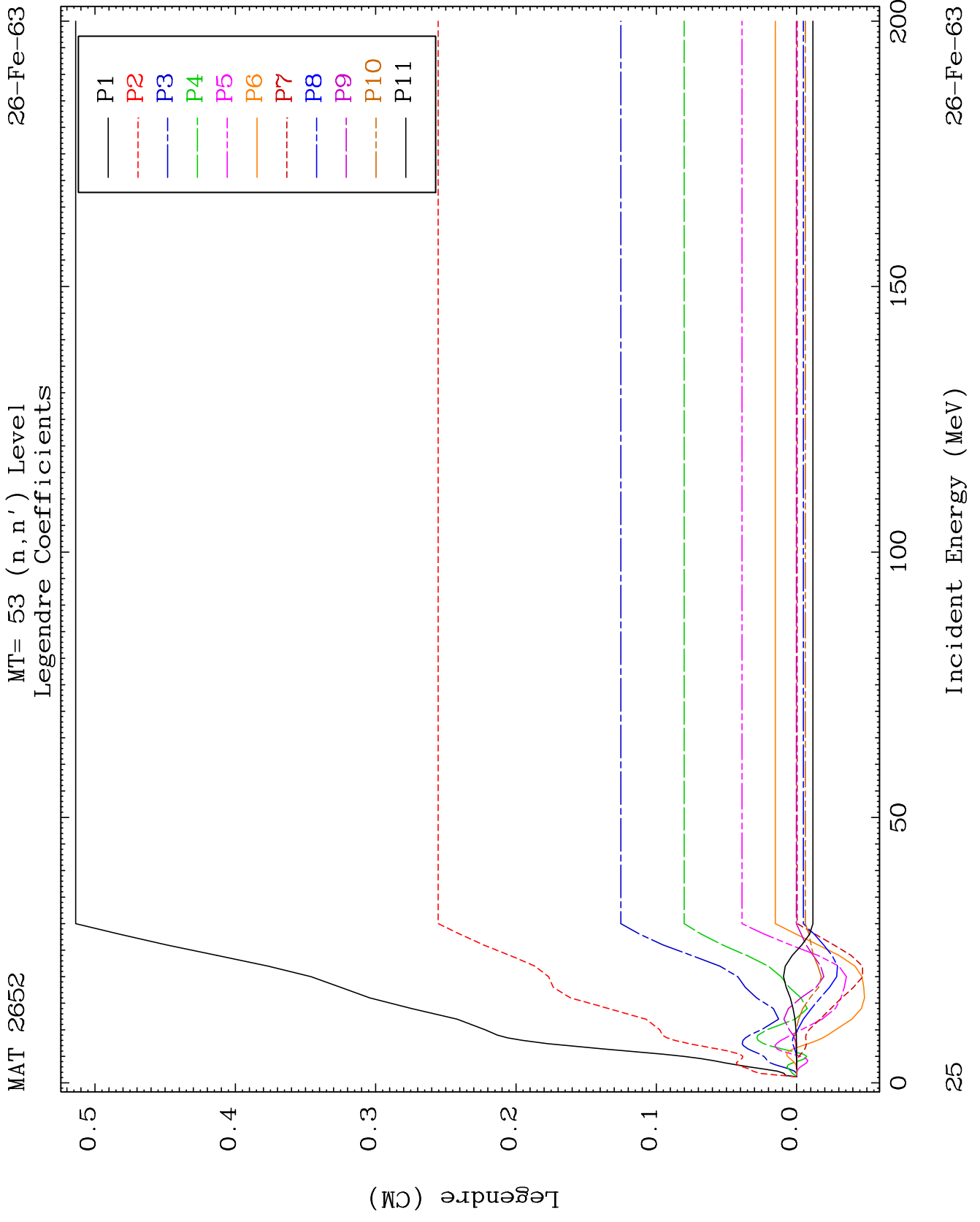
26-Fe-63



24

Incident Energy (MeV)

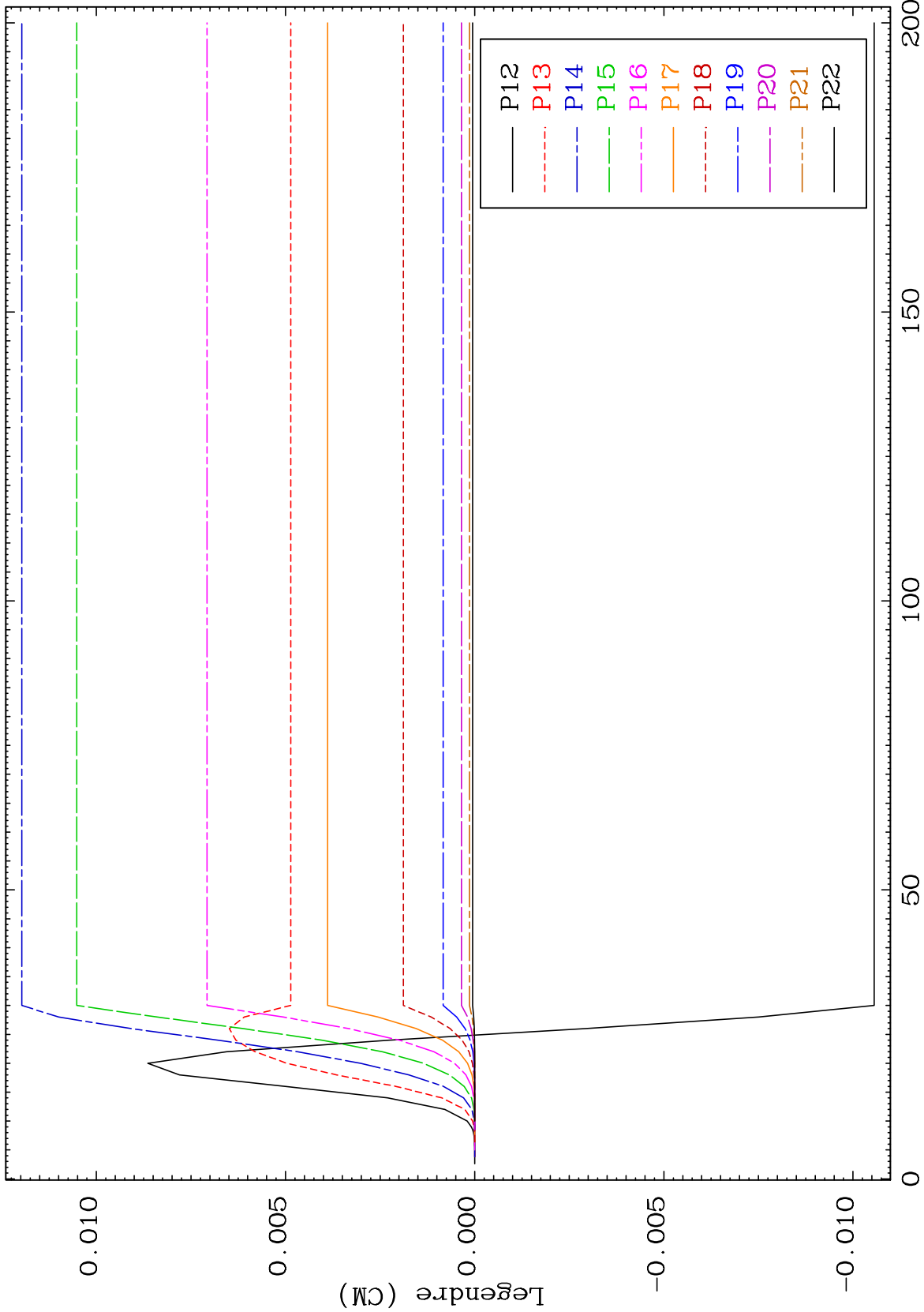
26-Fe-63



MAT 2652

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

26-Fe-63



26

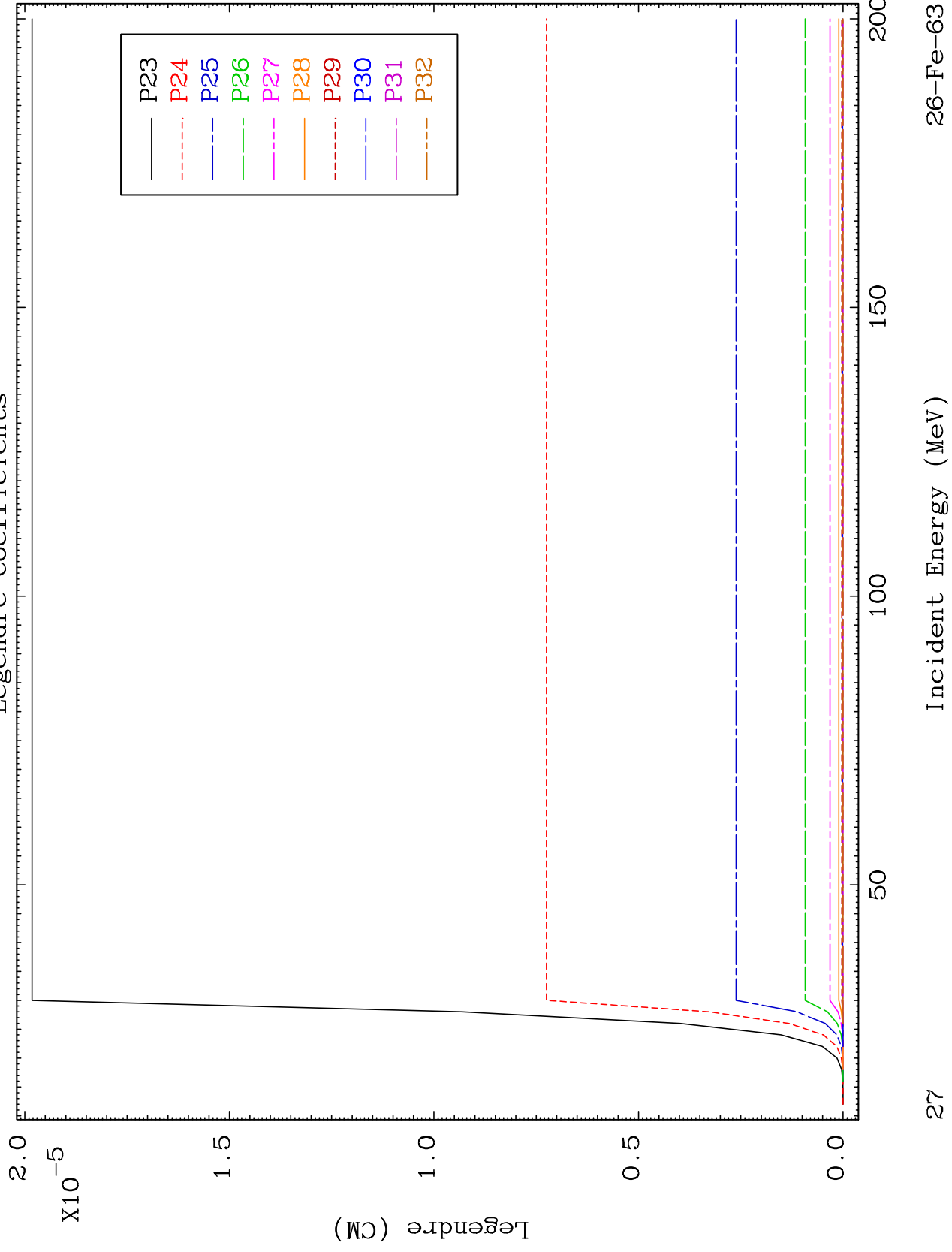
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



27

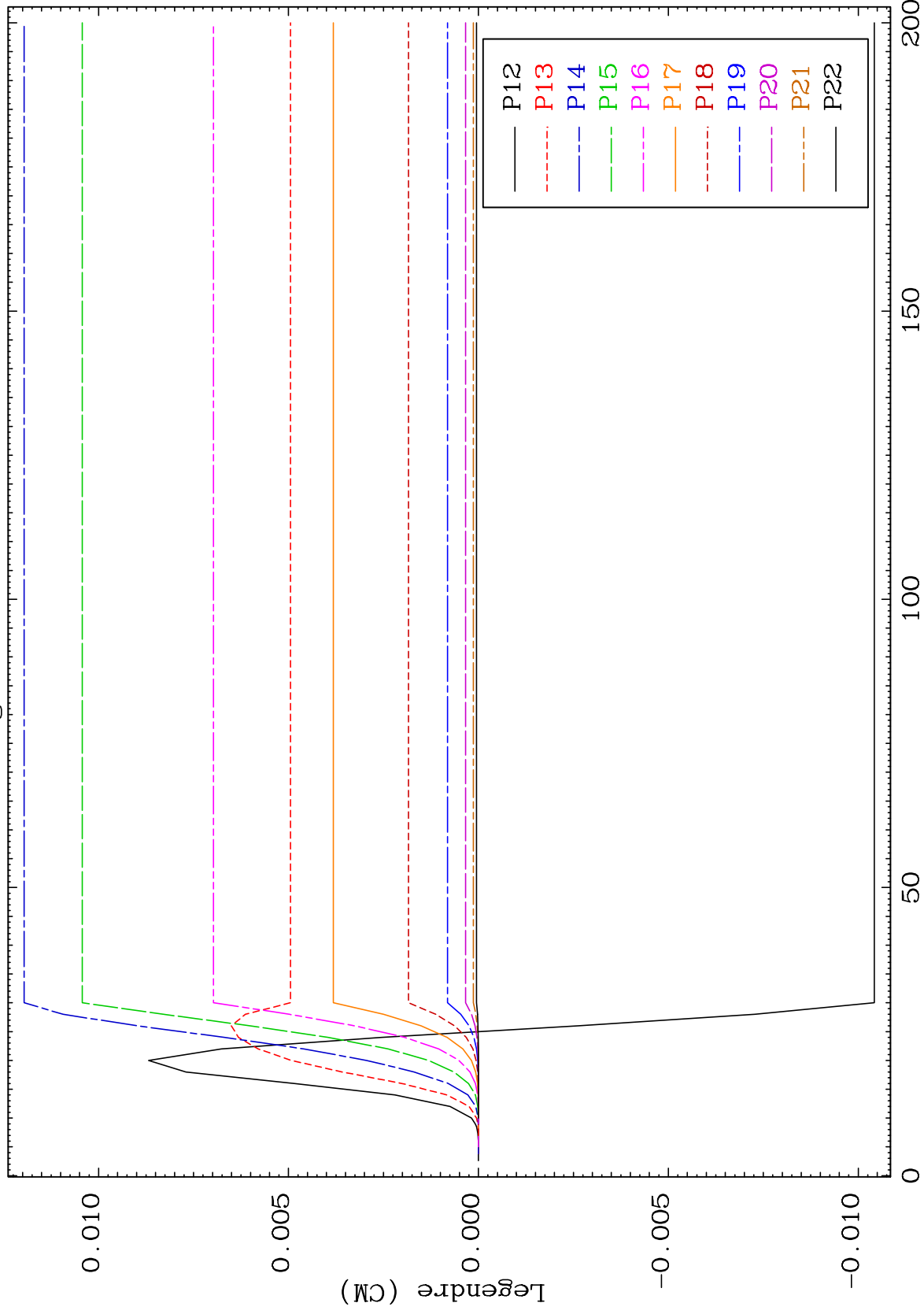
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



29

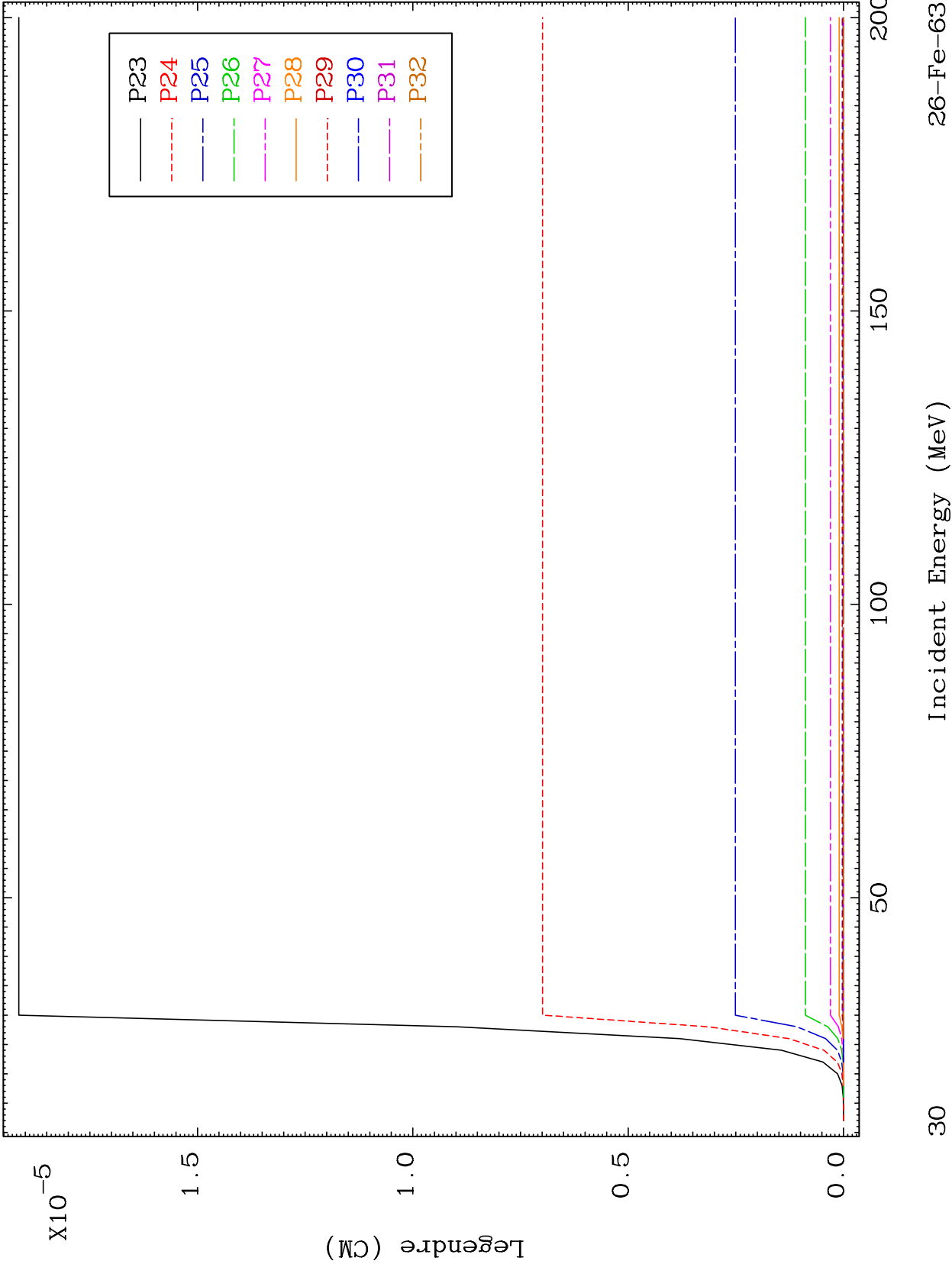
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

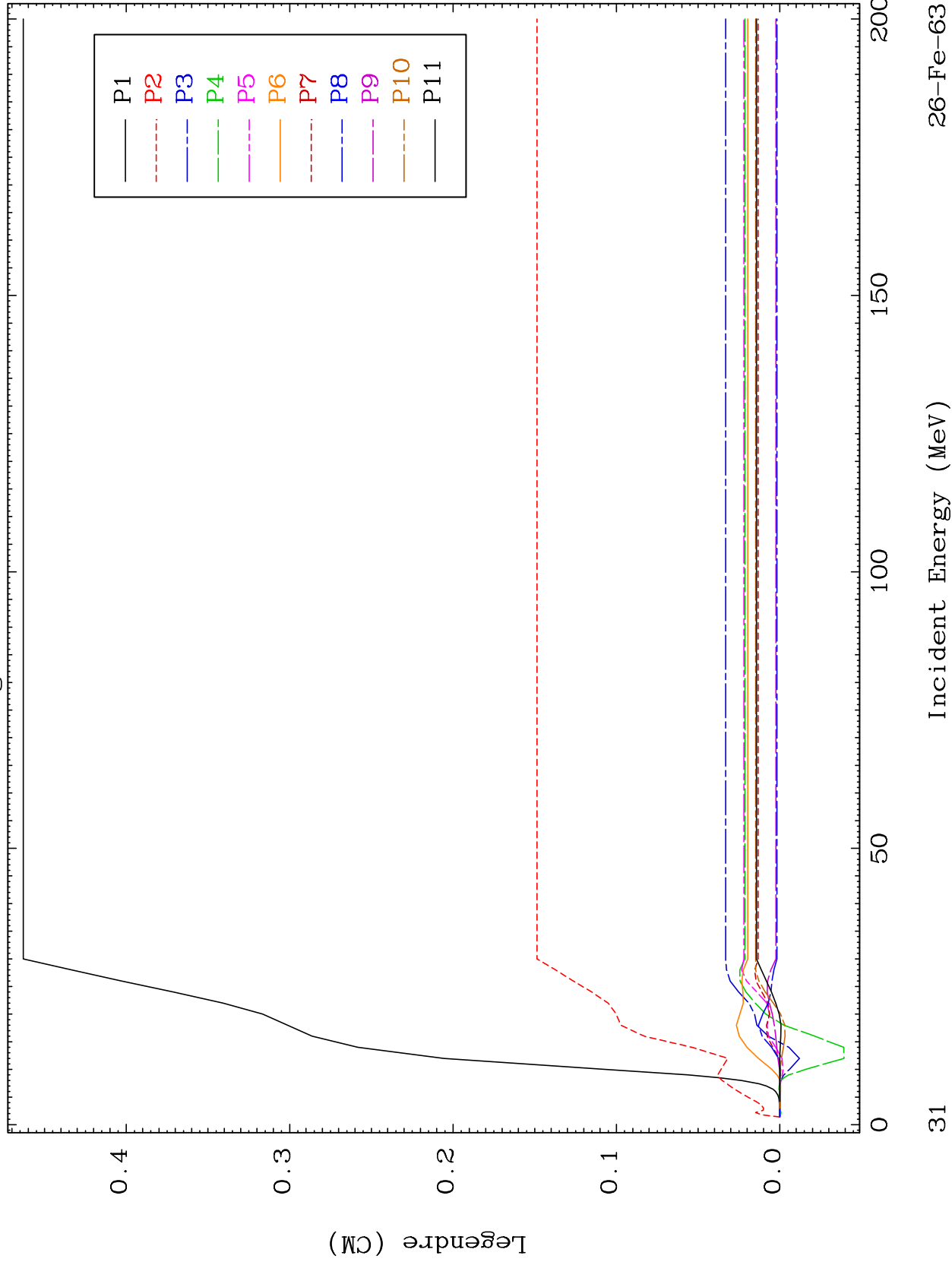
26-Fe-63



MAT 2652

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

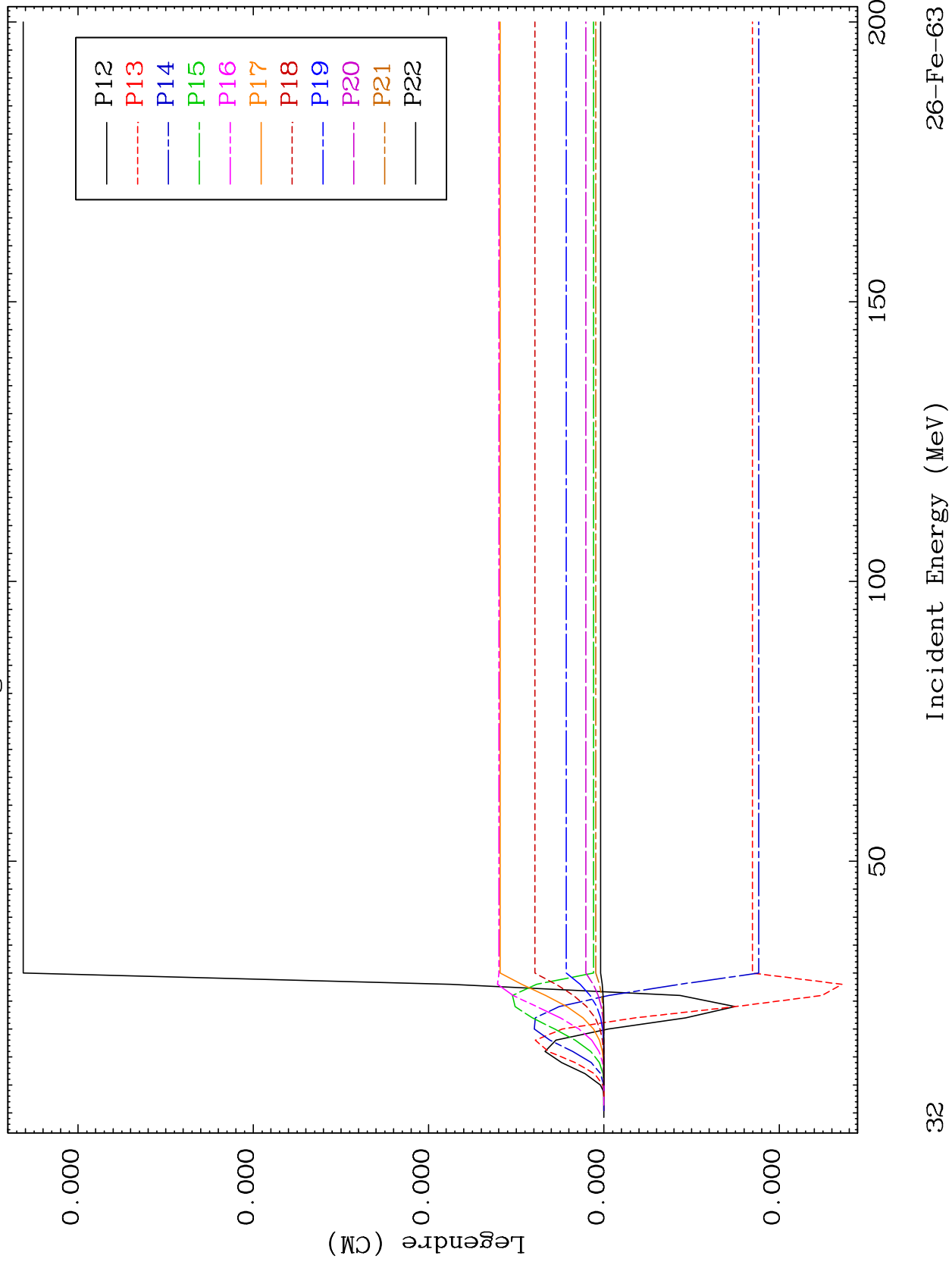
26-Fe-63



MAT 2652

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

26-Fe-63



32

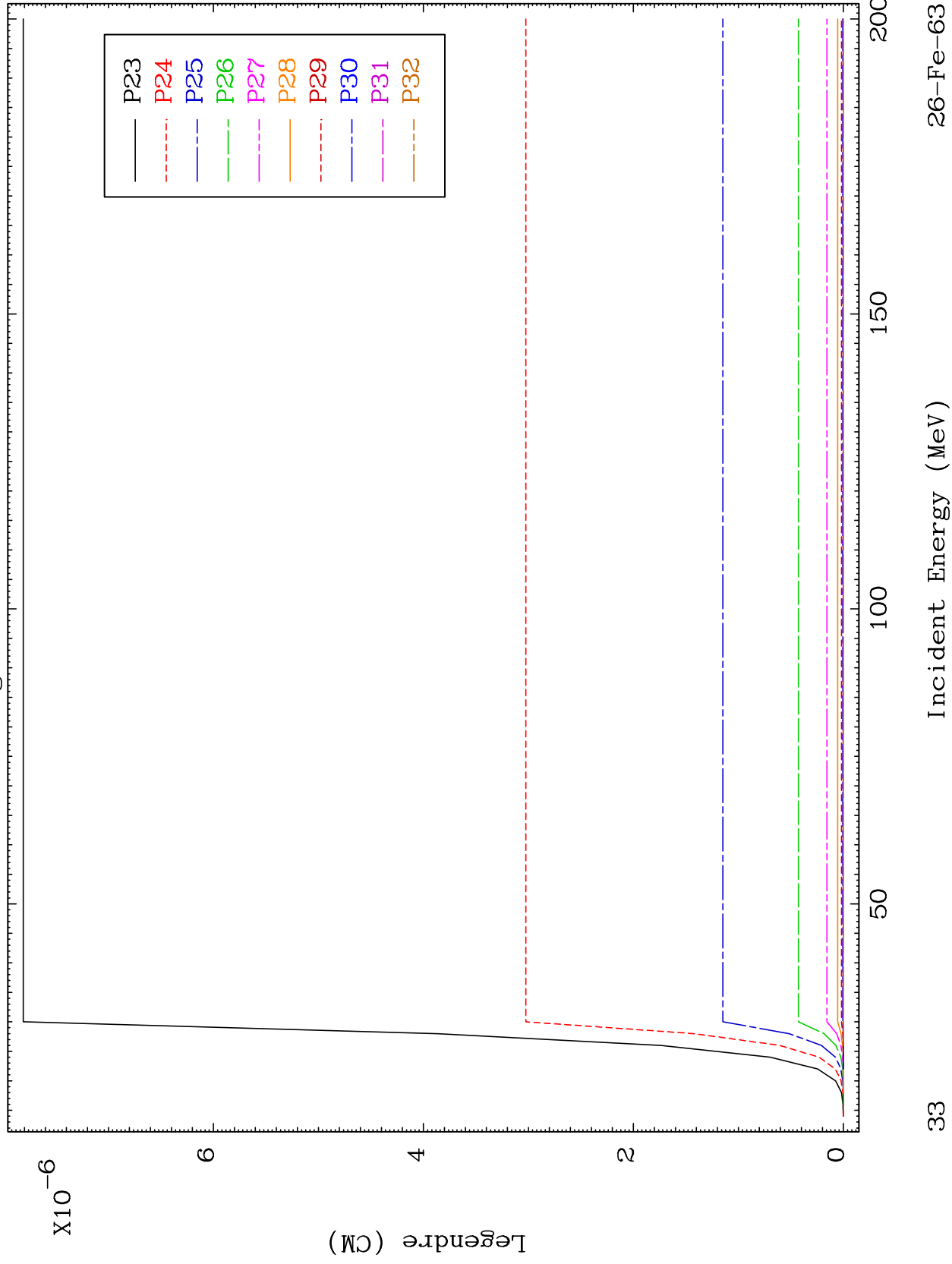
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

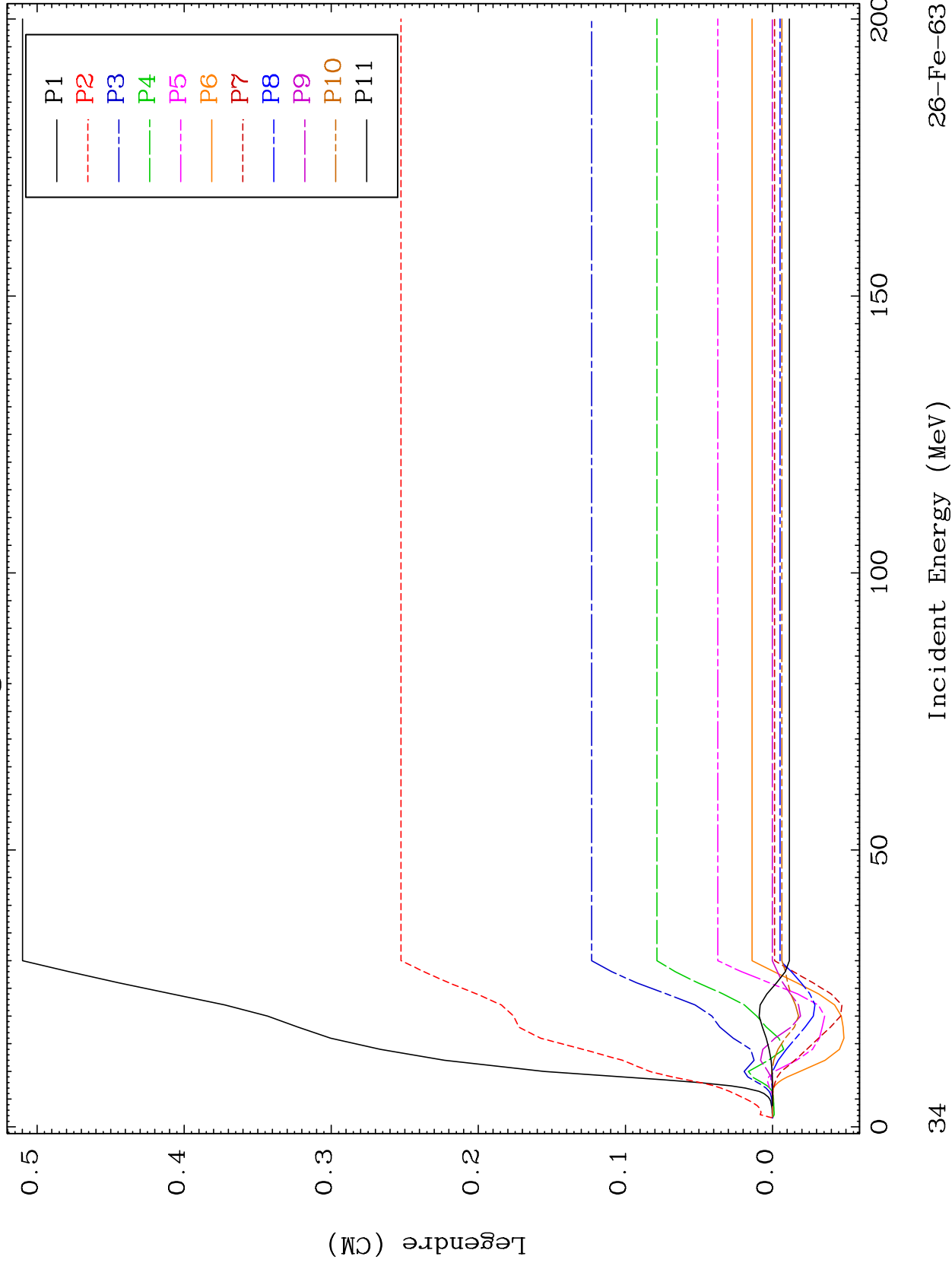
26-Fe-63



MAT 2652

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

26-Fe-63



34

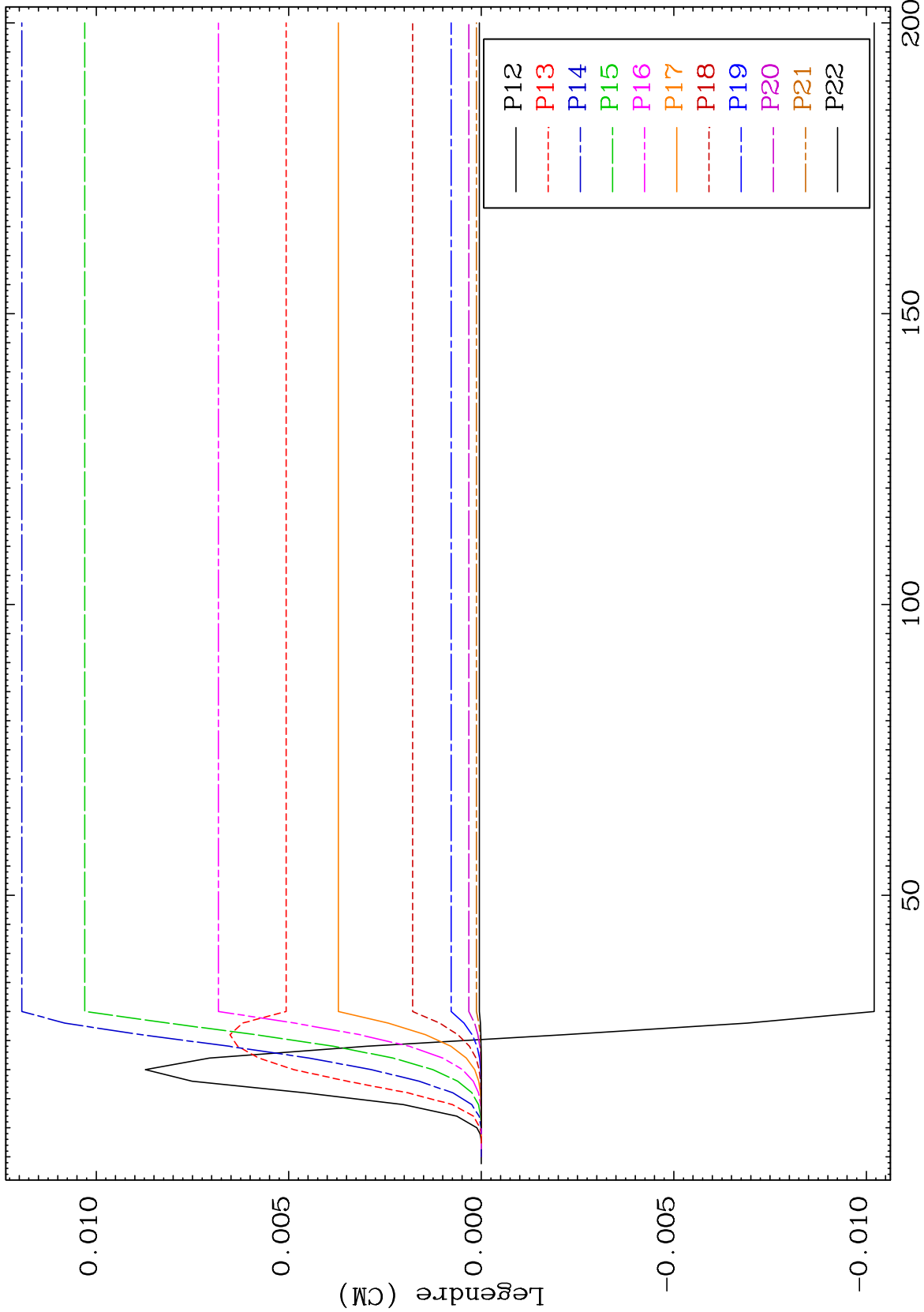
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



35

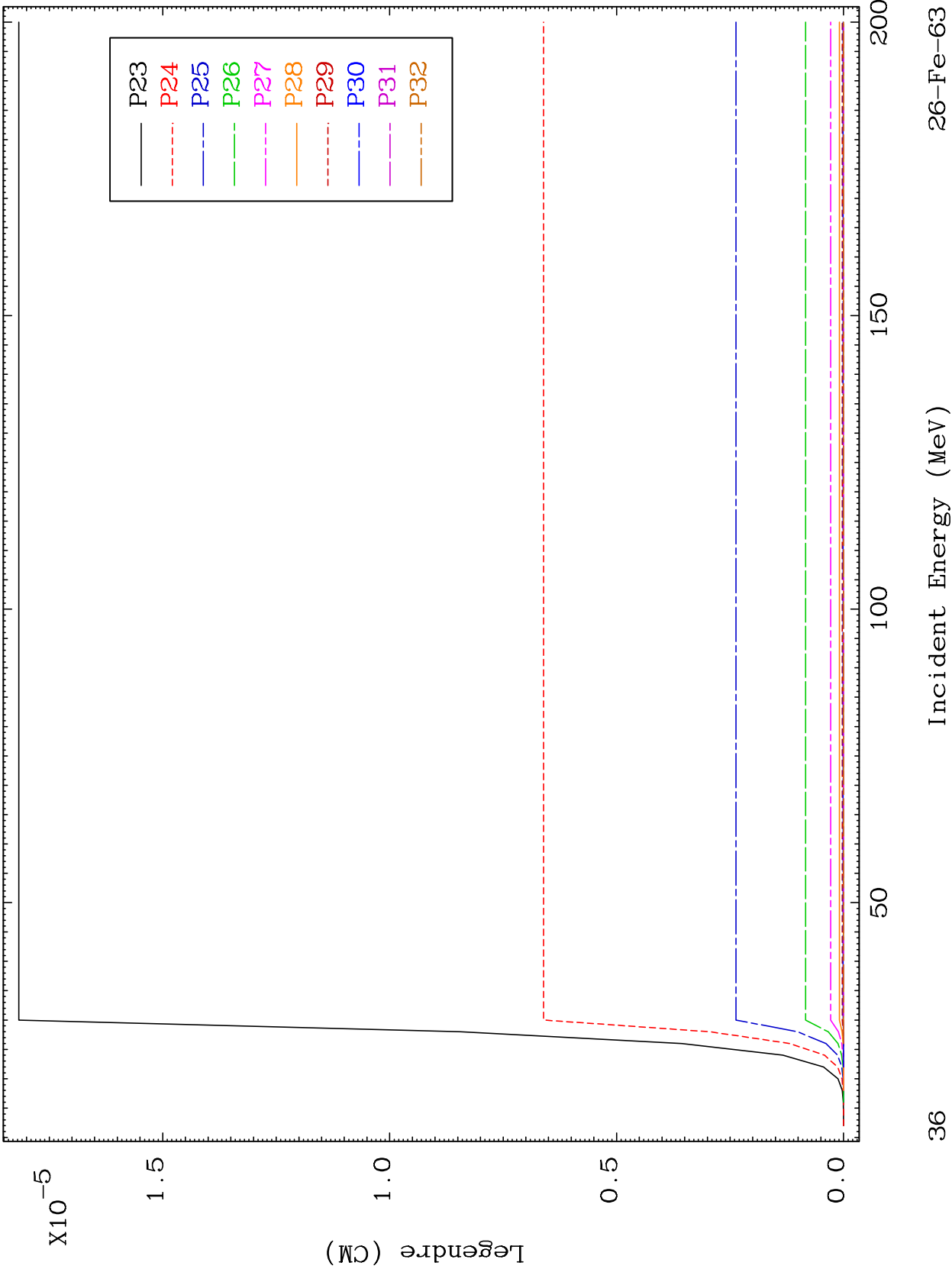
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



36

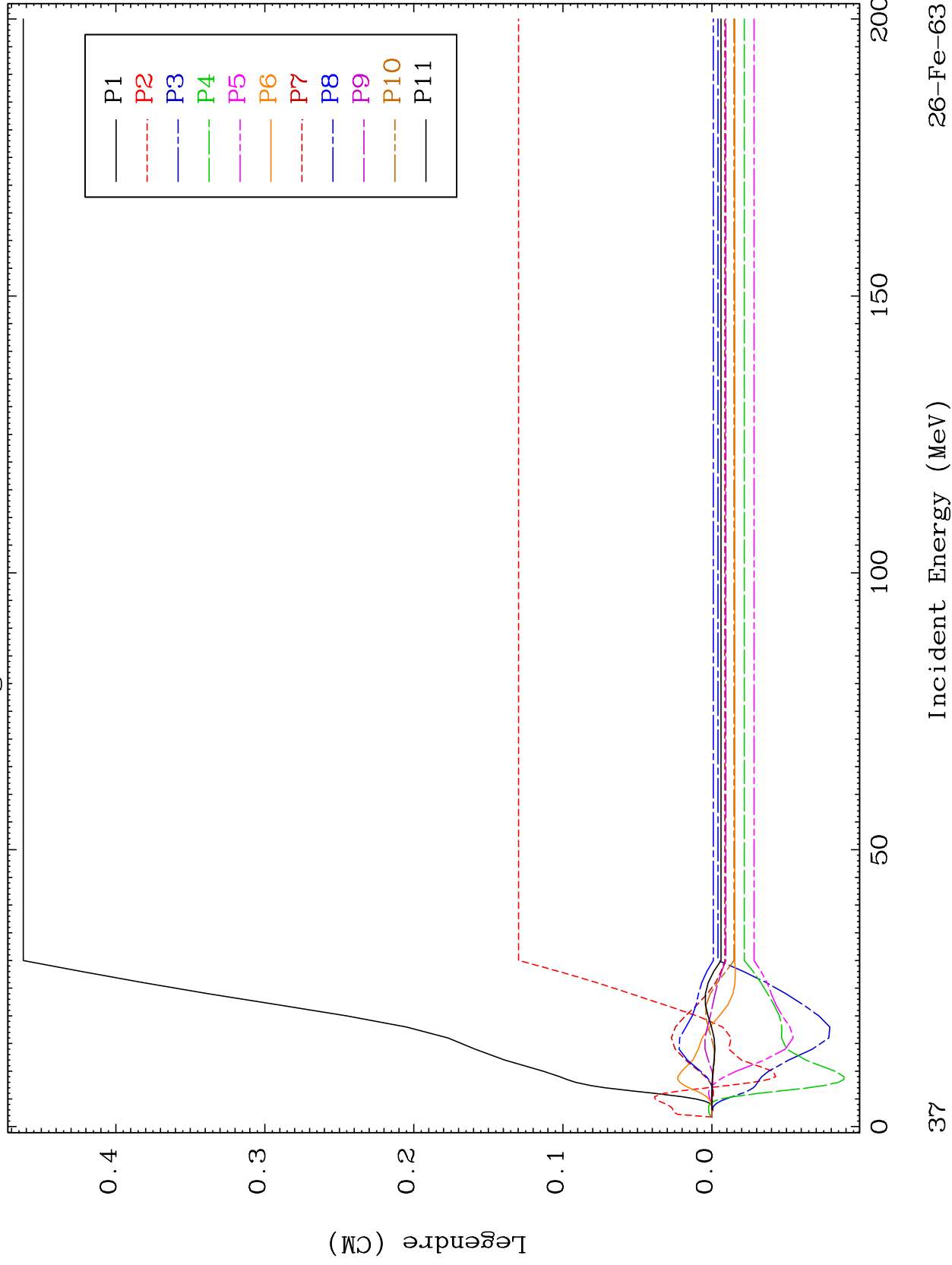
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

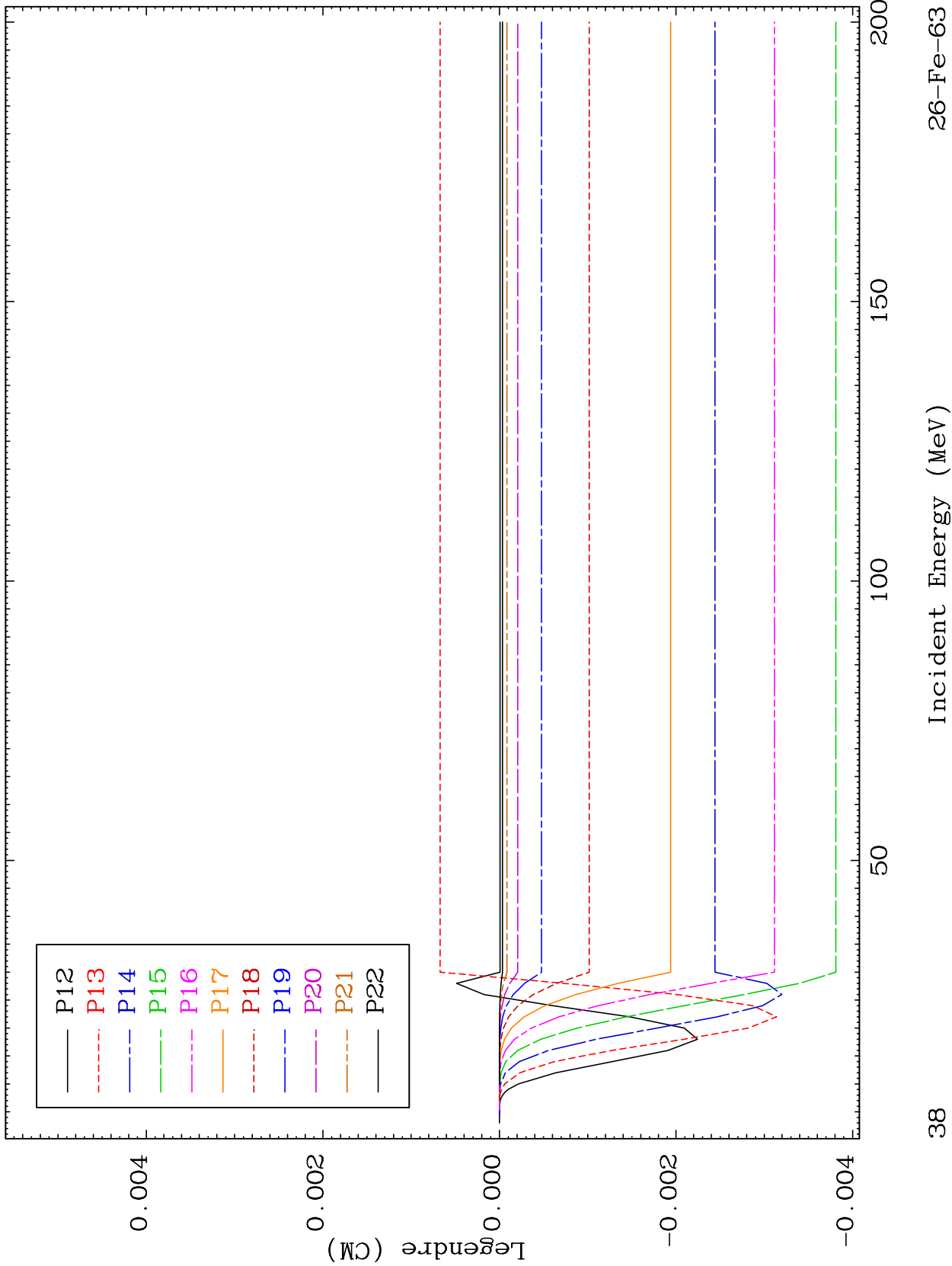
26-Fe-63



26-Fe-63

Incident Energy (MeV)

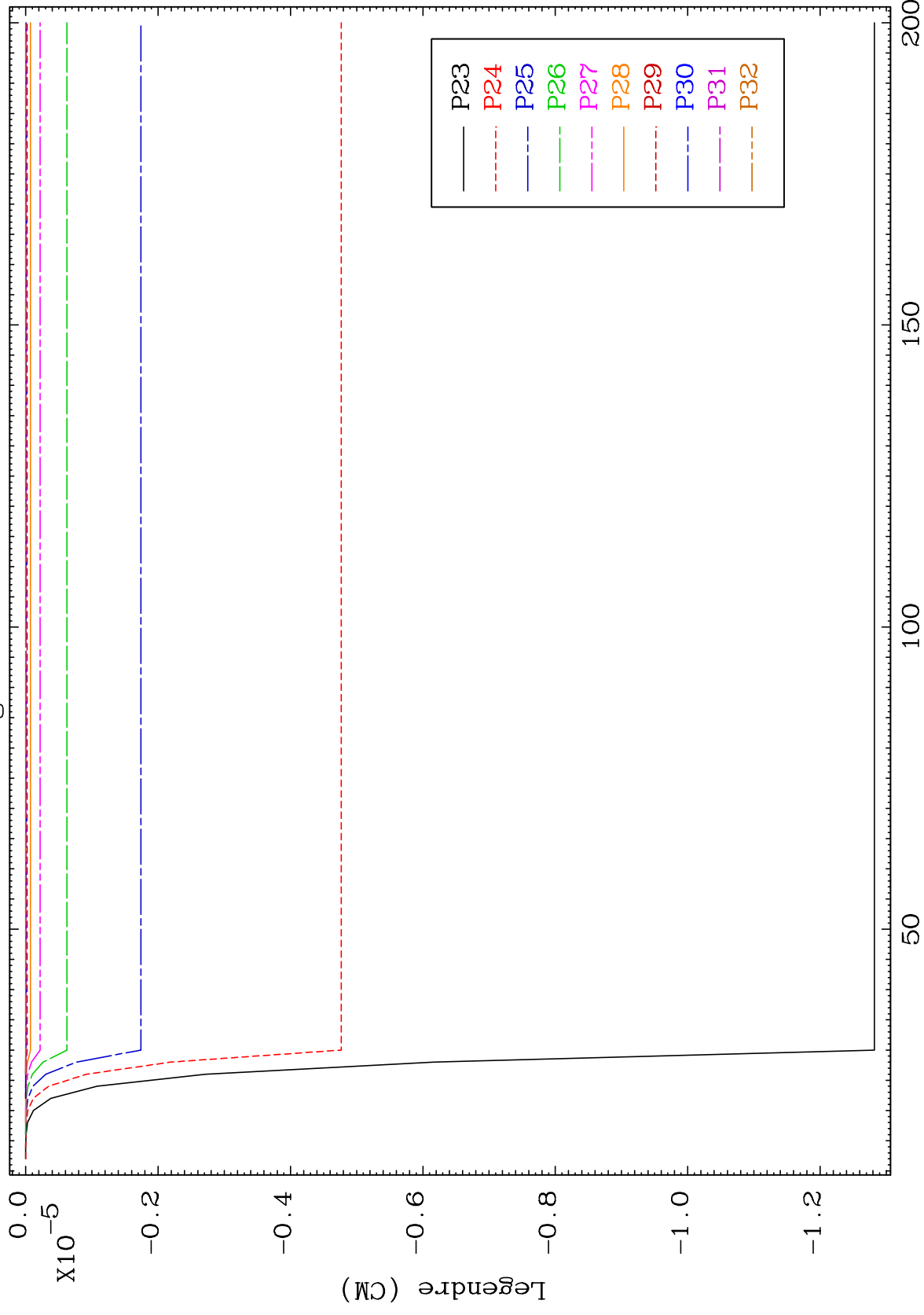
37



MAT 2652

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

26-Fe-63



39

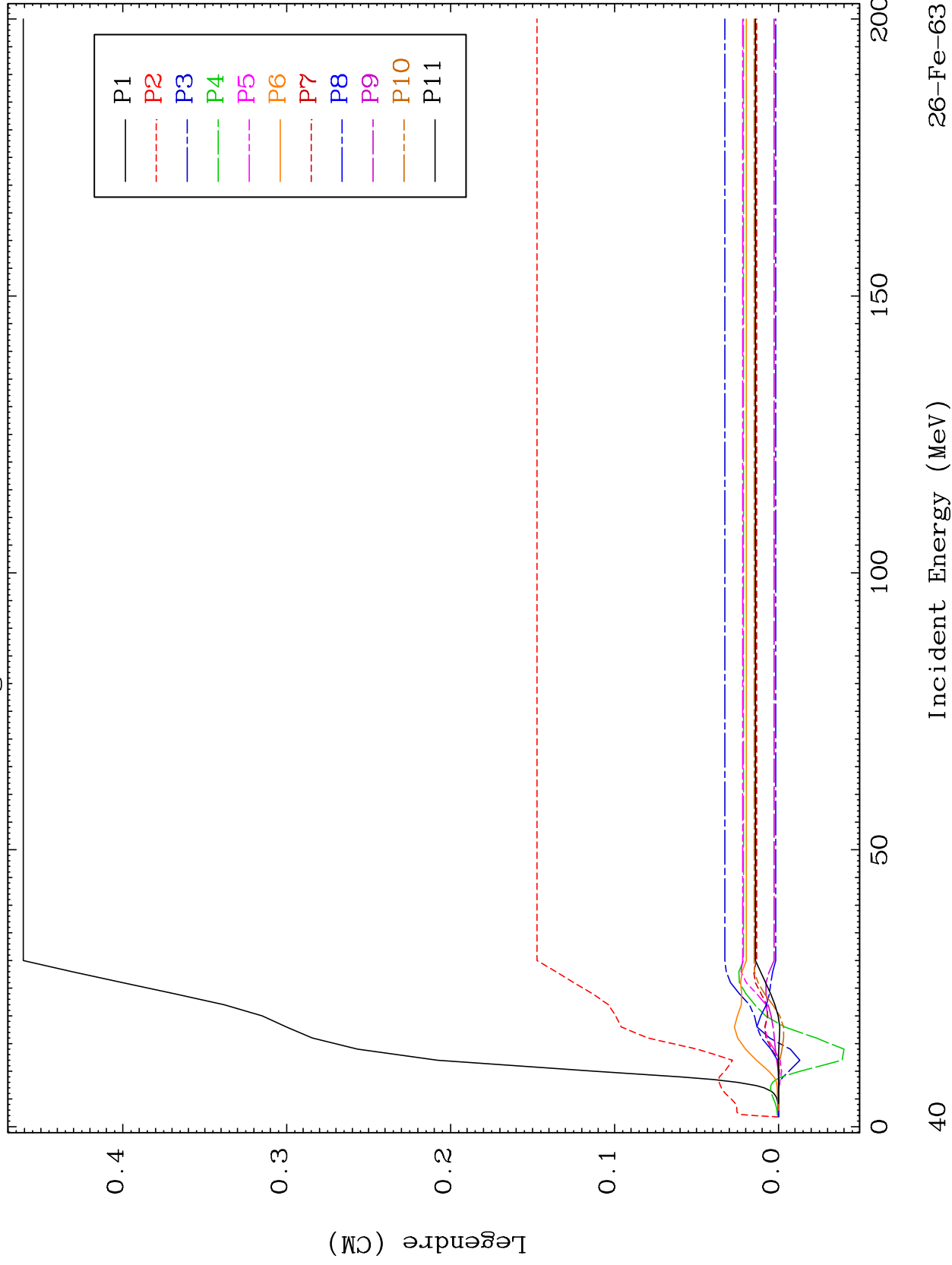
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

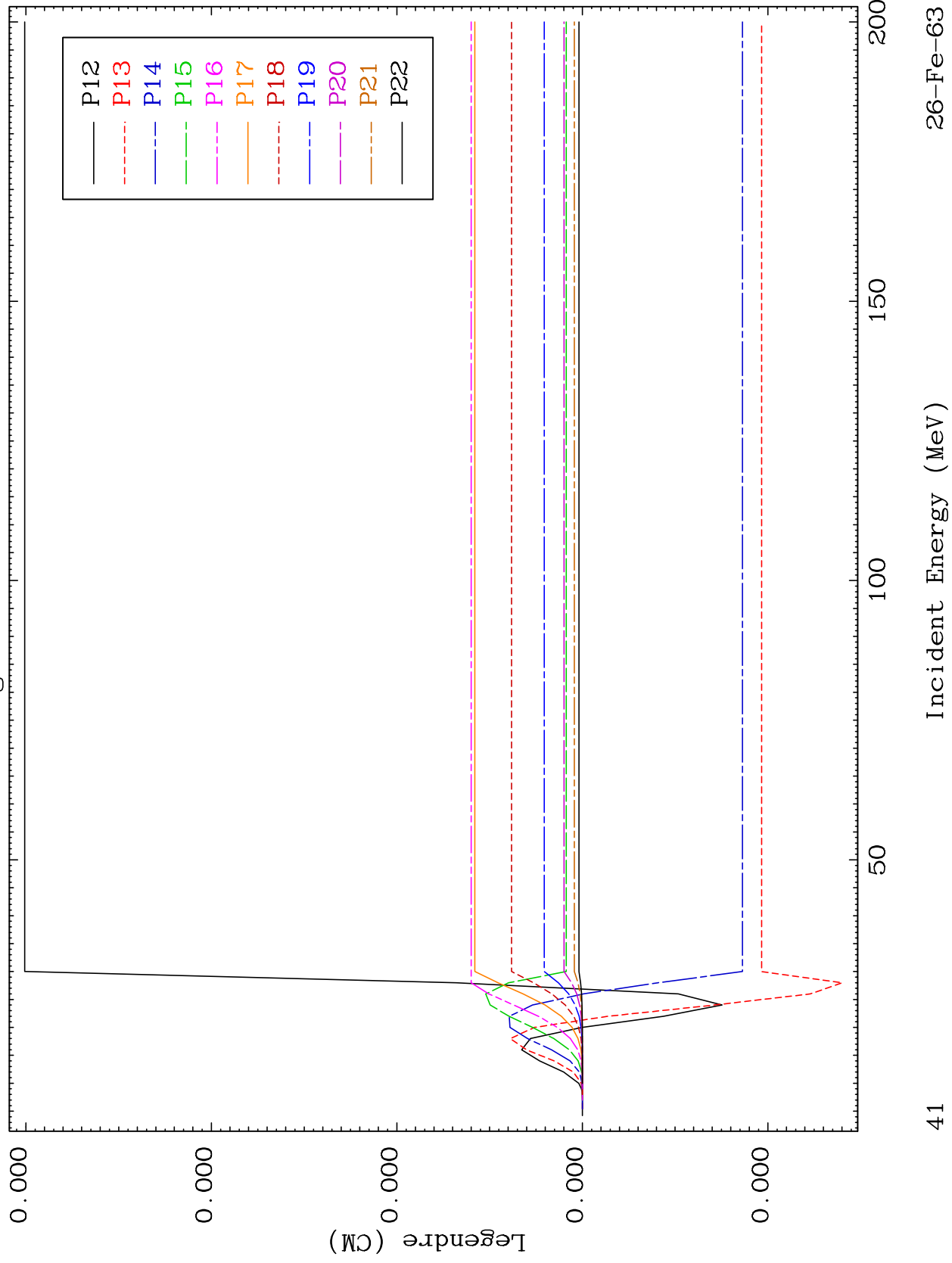
26-Fe-63



MAT 2652

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

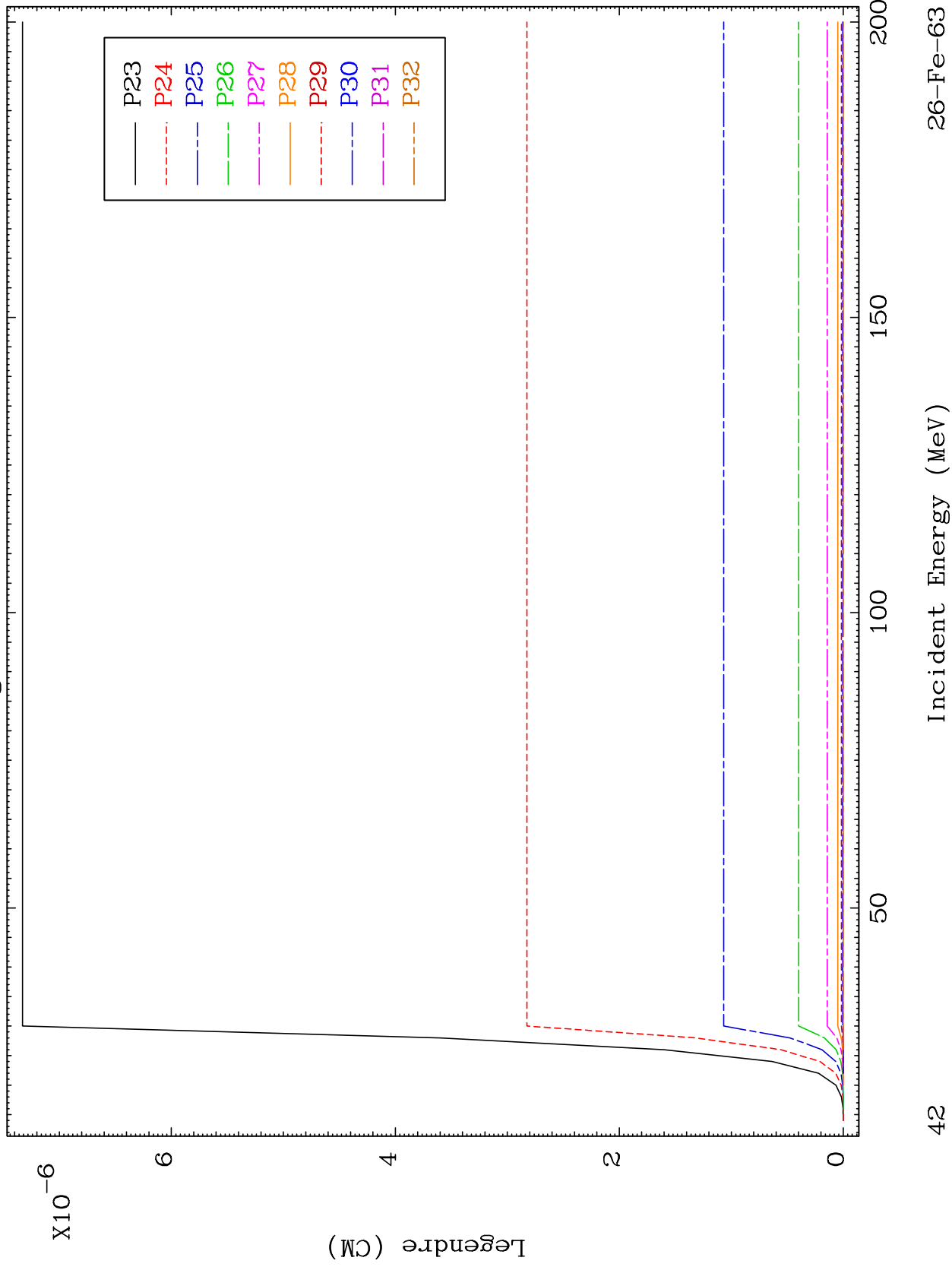
26-Fe-63



MAT 2652

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

26-Fe-63



42

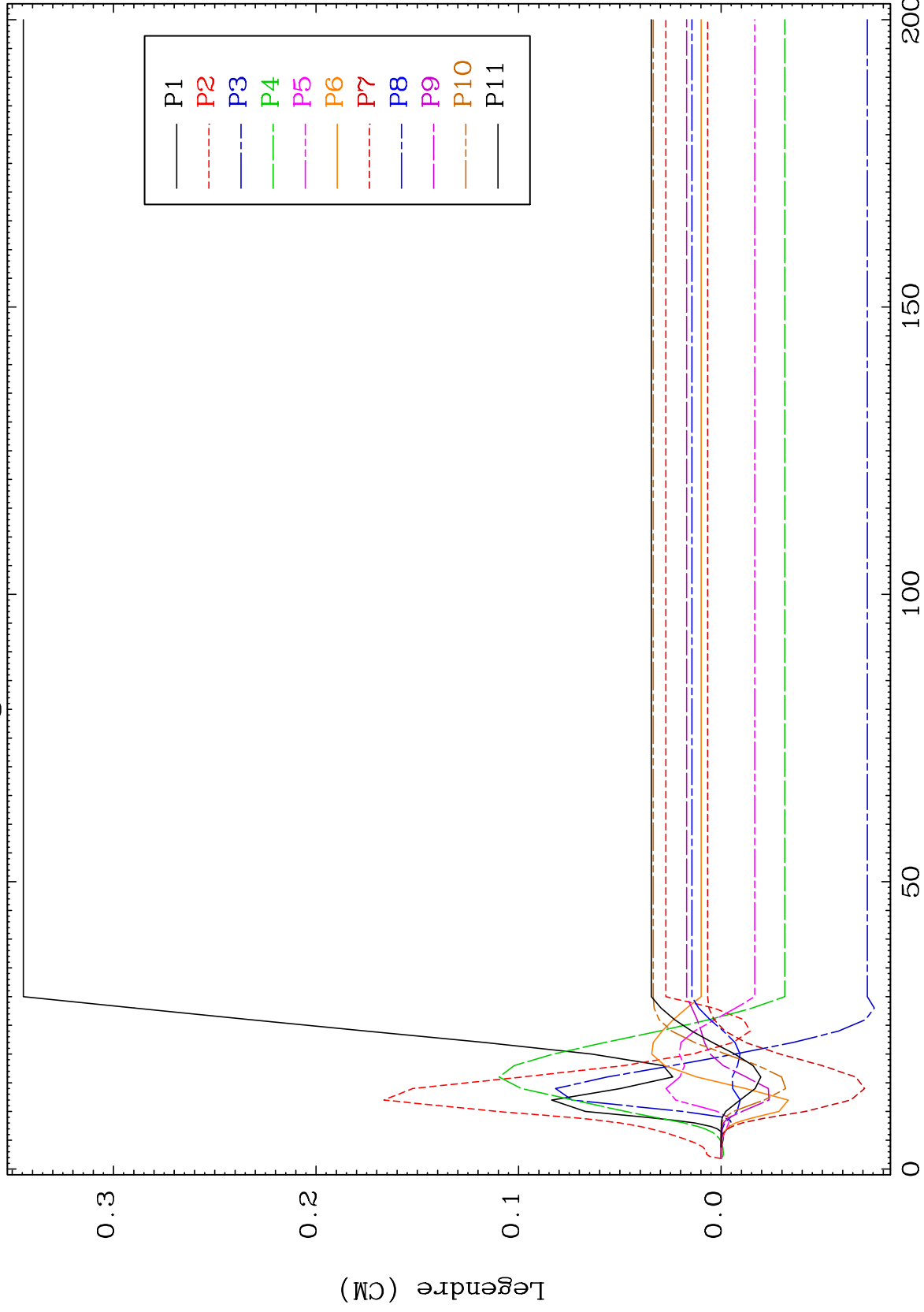
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

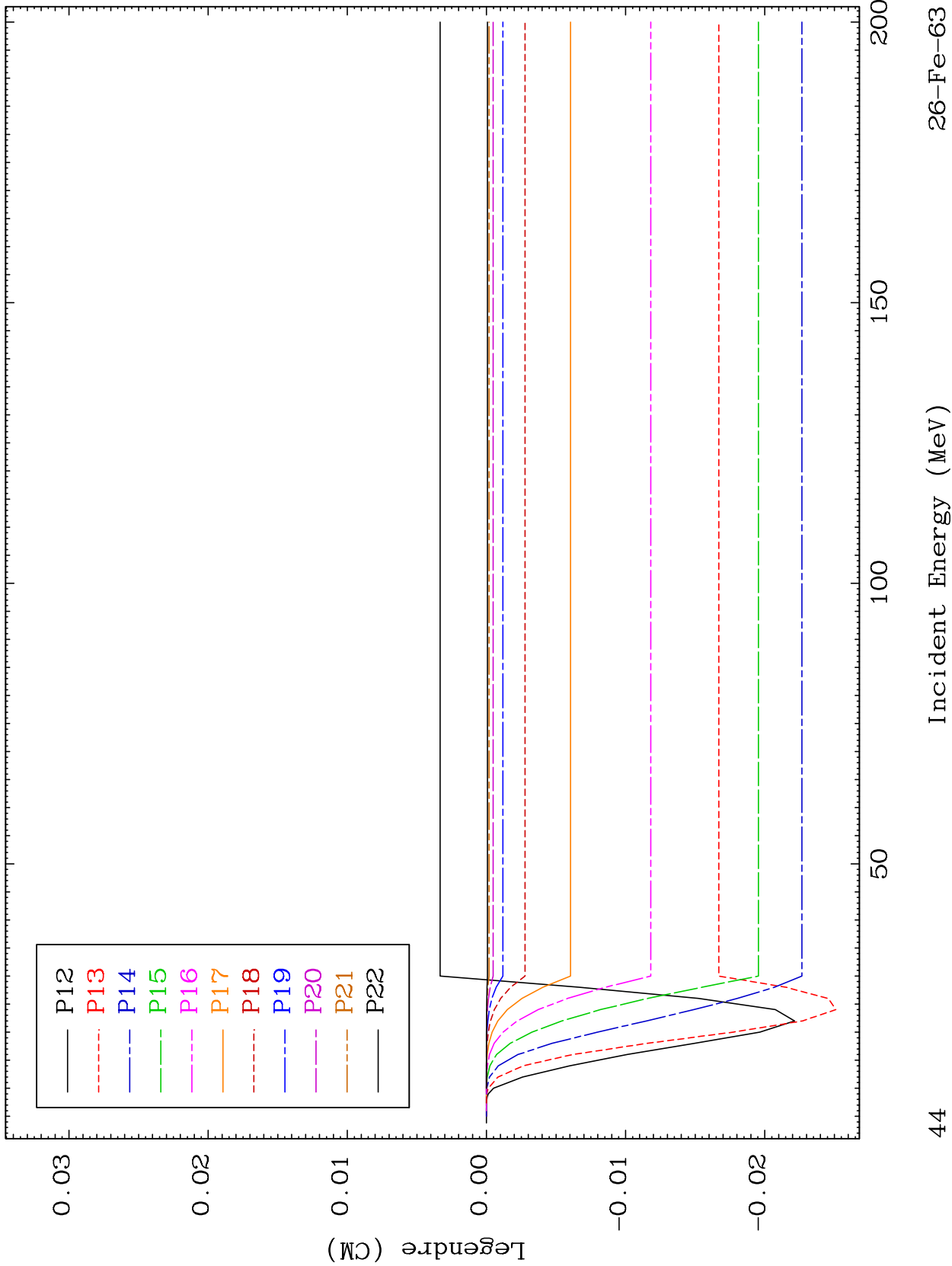
26-Fe-63



43

Incident Energy (MeV)

26-Fe-63

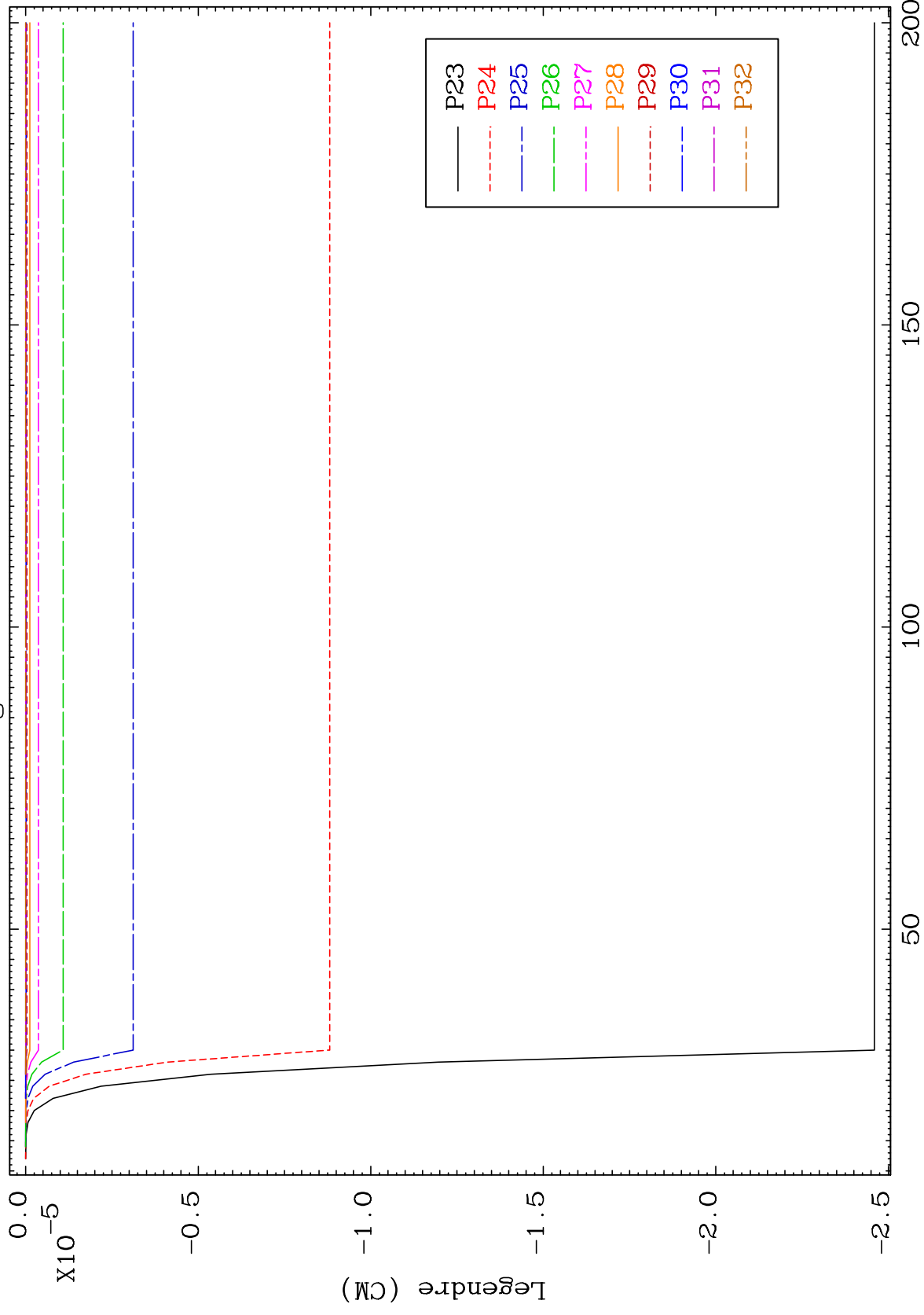


MAT 2652

MT= 59 (n,n') Level

26-Fe-63

Legendre Coefficients



26-Fe-63

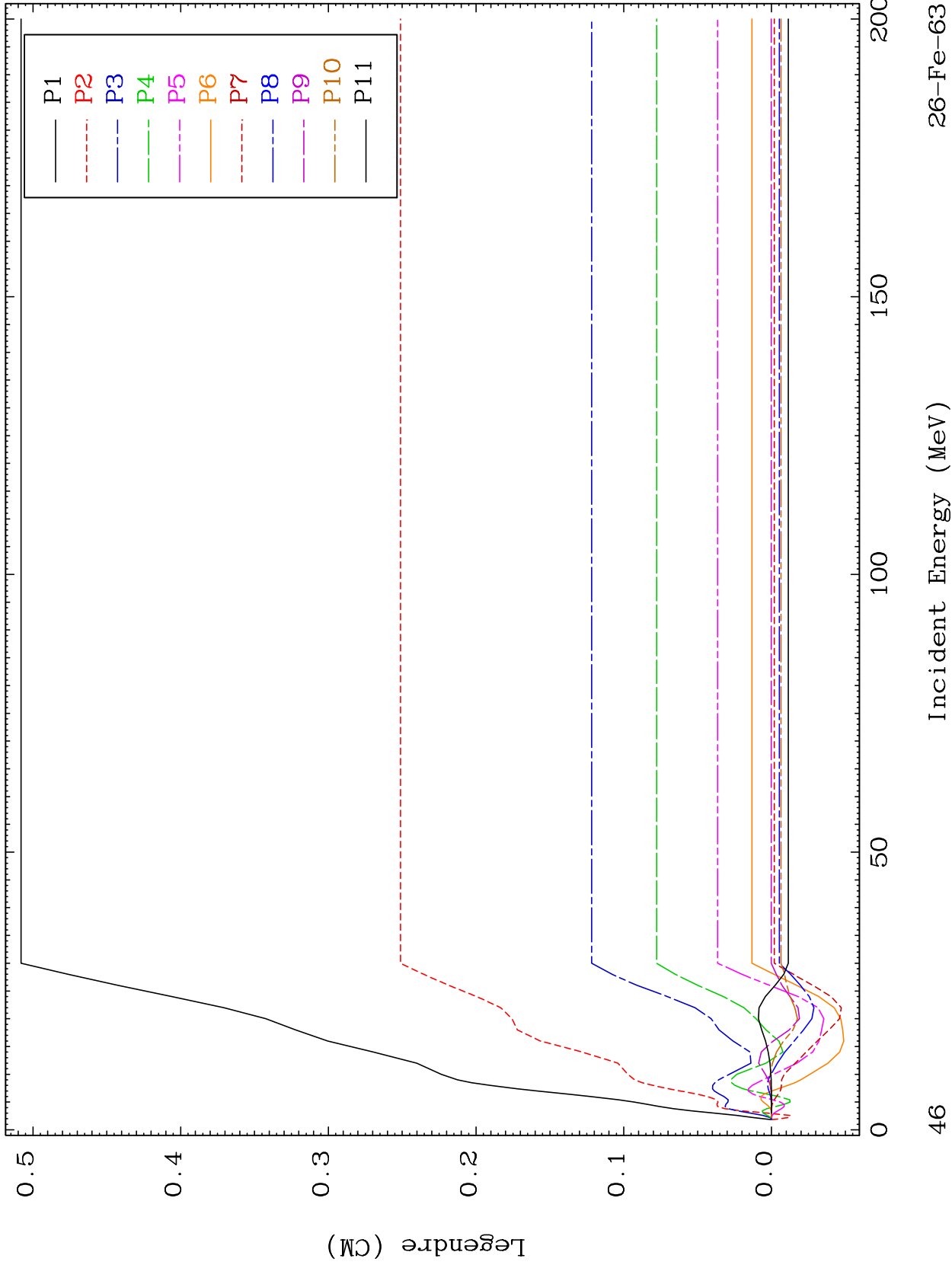
Incident Energy (MeV)

45

MAT 2652

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

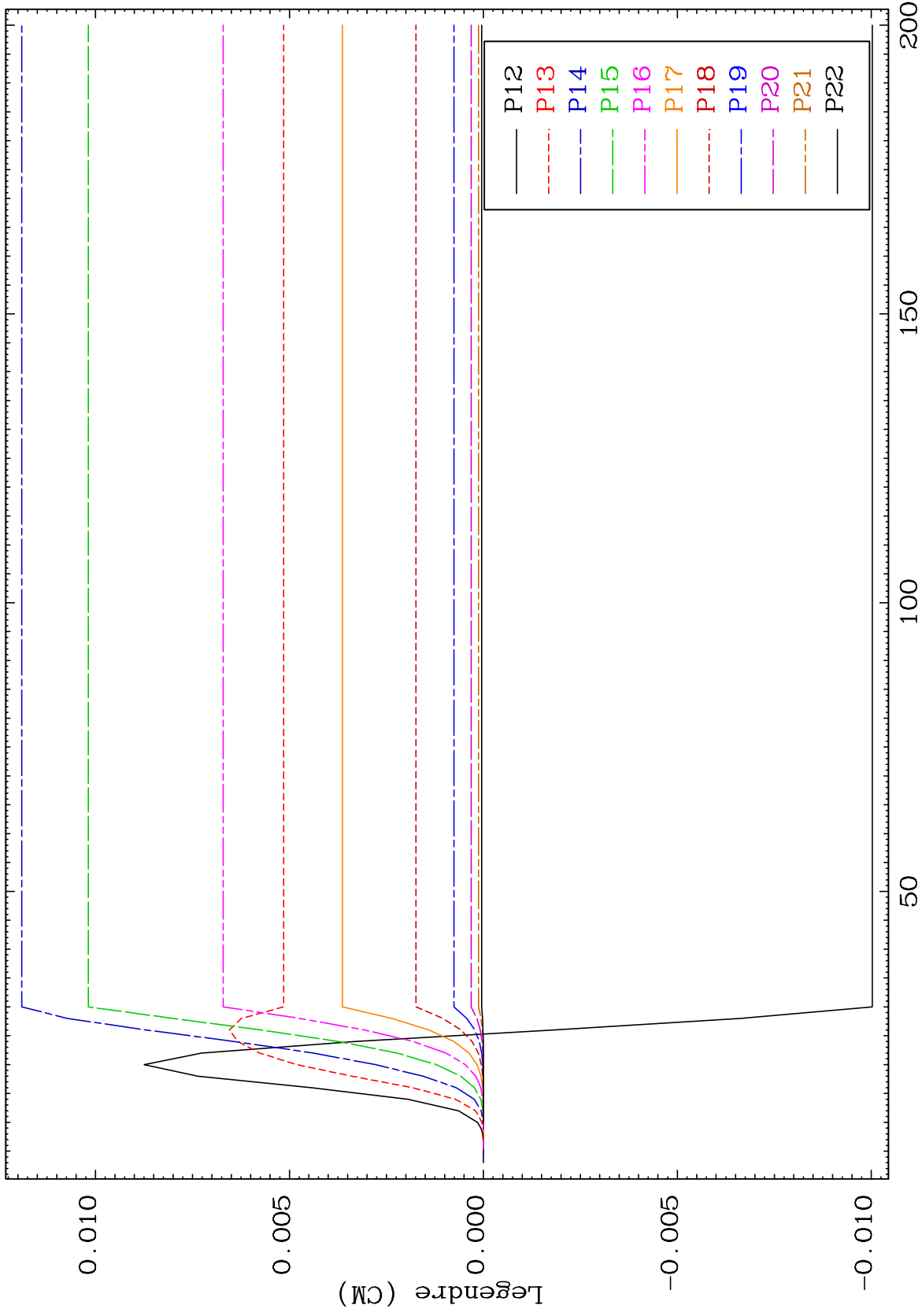
26-Fe-63



MAT 2652

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

26-Fe-63



47

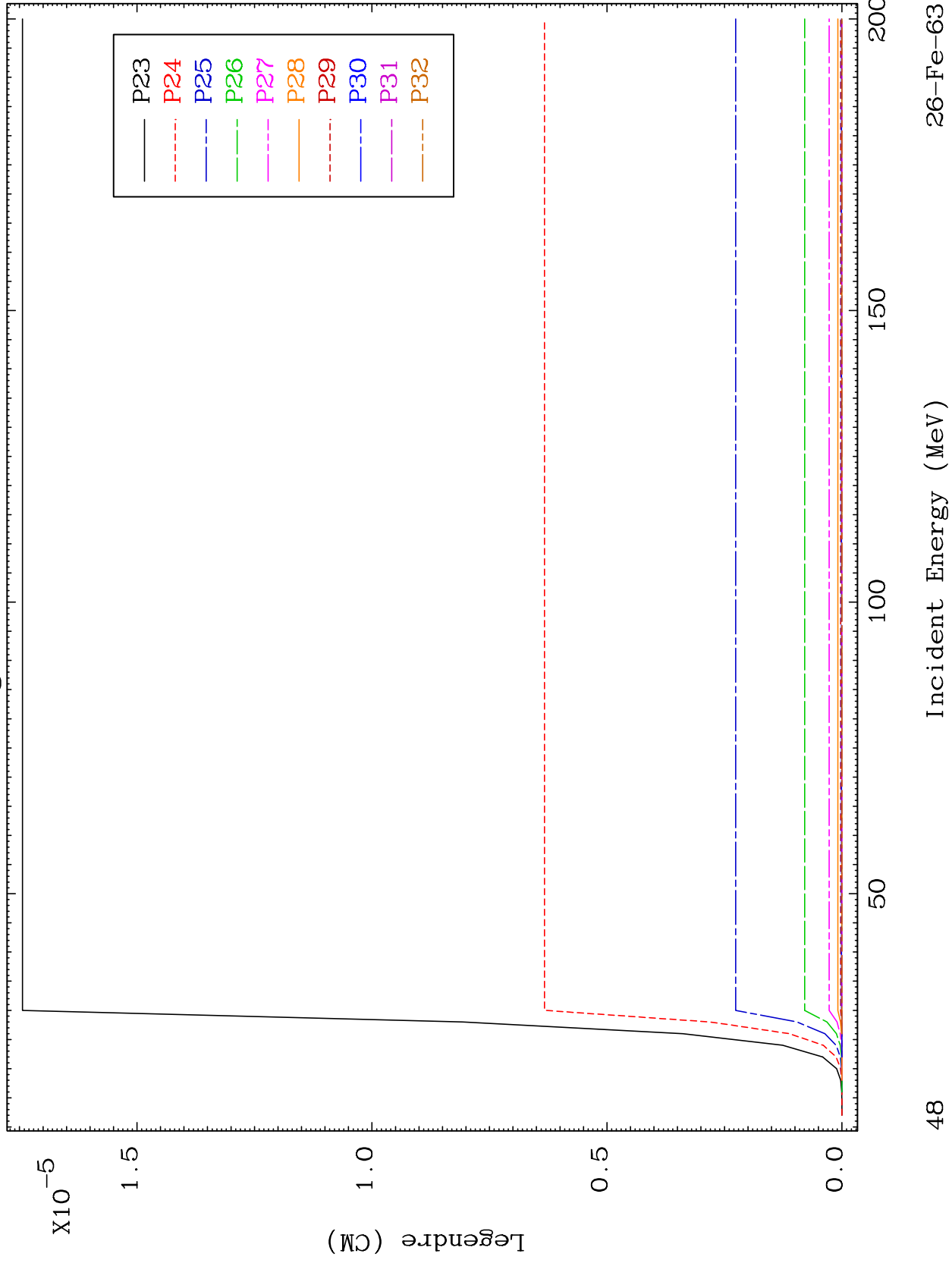
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



48

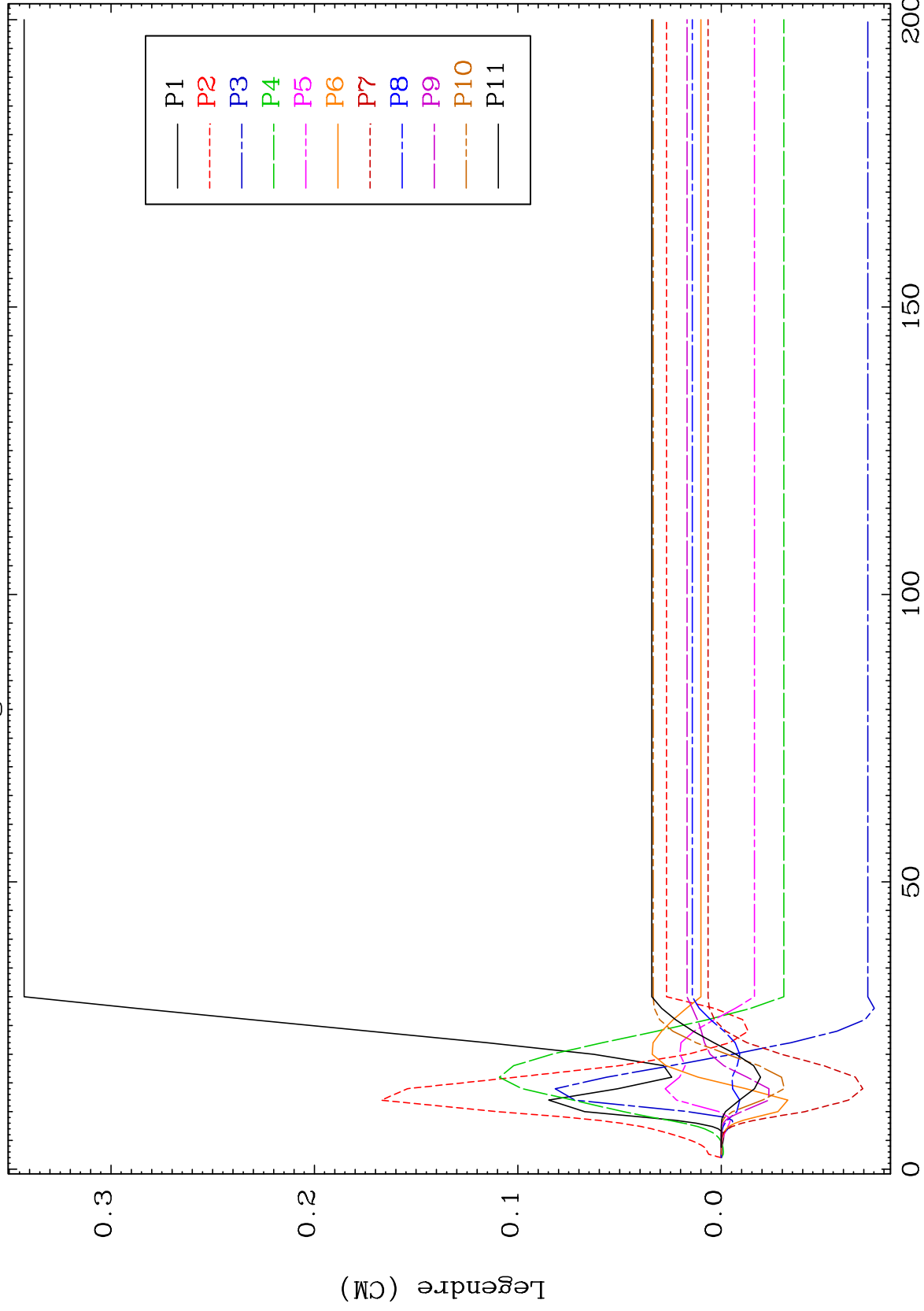
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



49

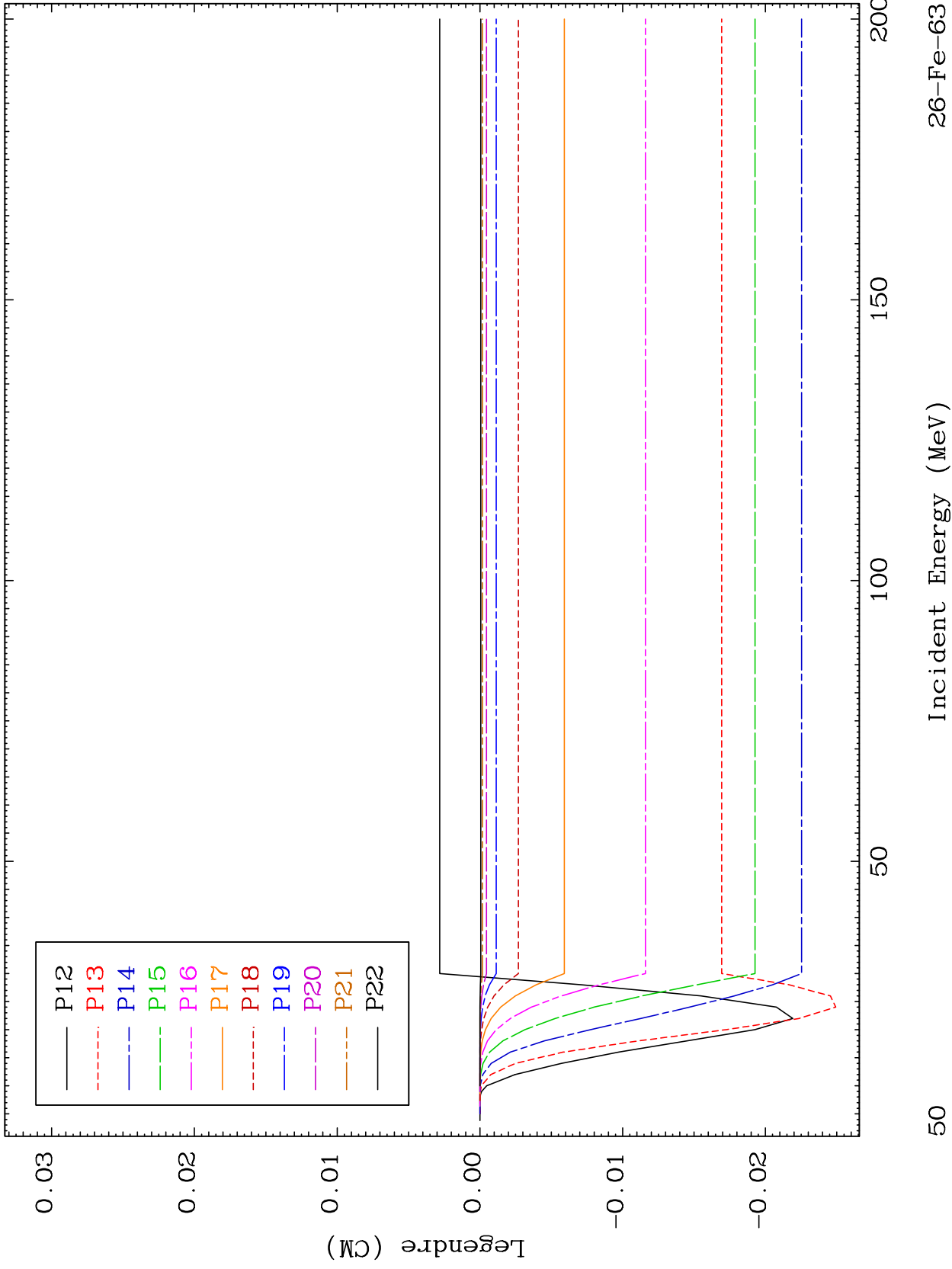
Incident Energy (MeV)

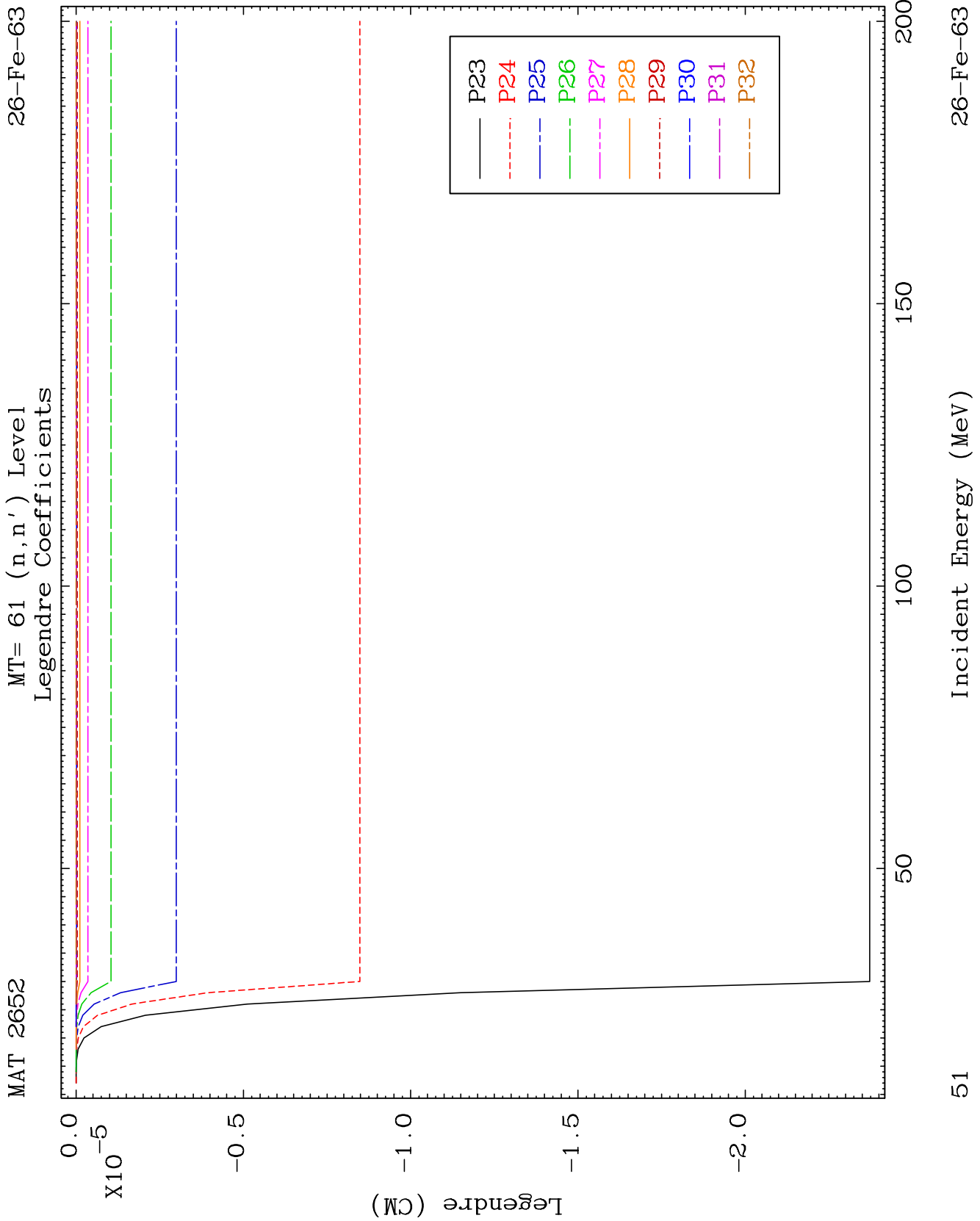
26-Fe-63

MAT 2652

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

26-Fe-63

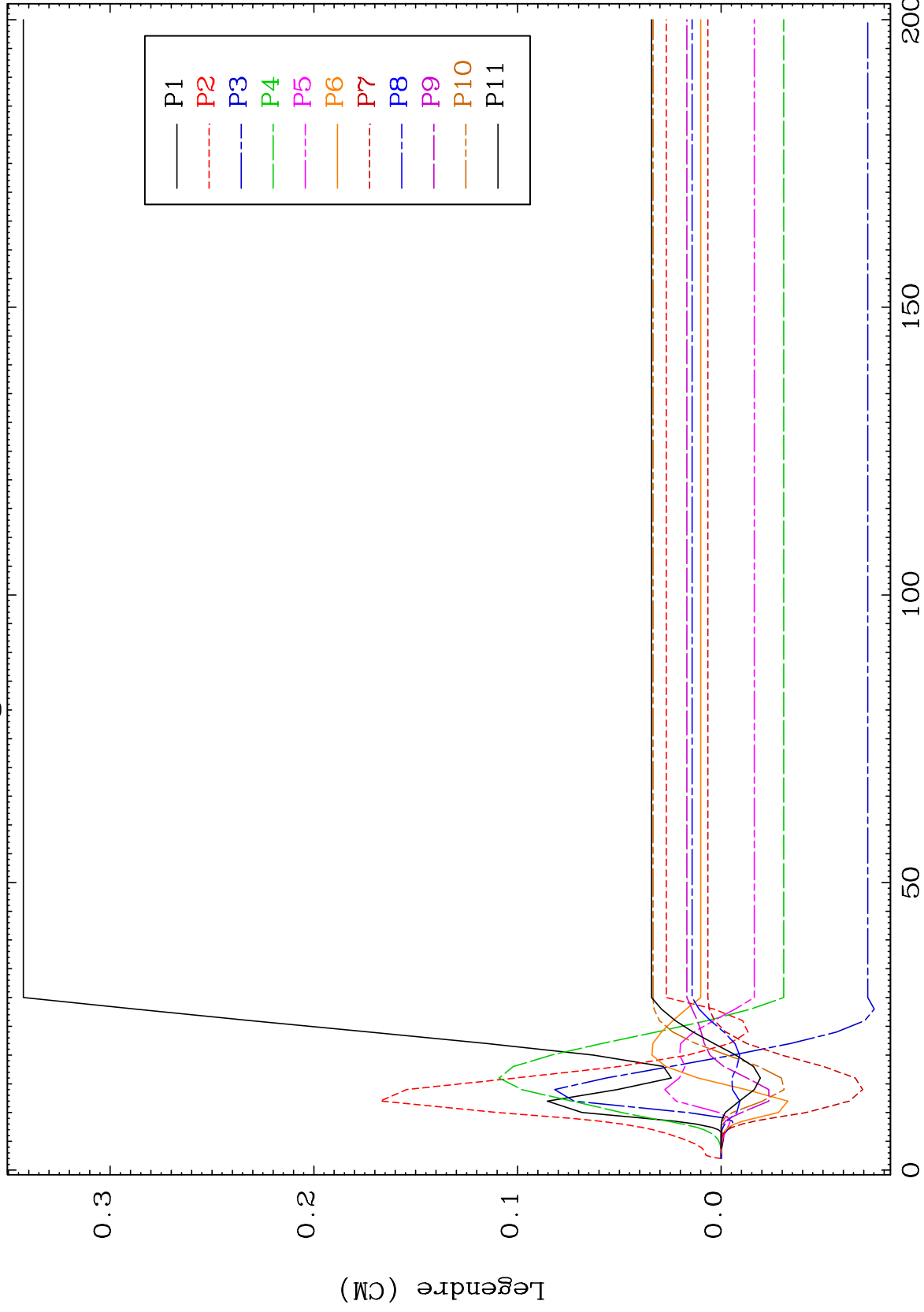




MAT 2652

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

26-Fe-63



52

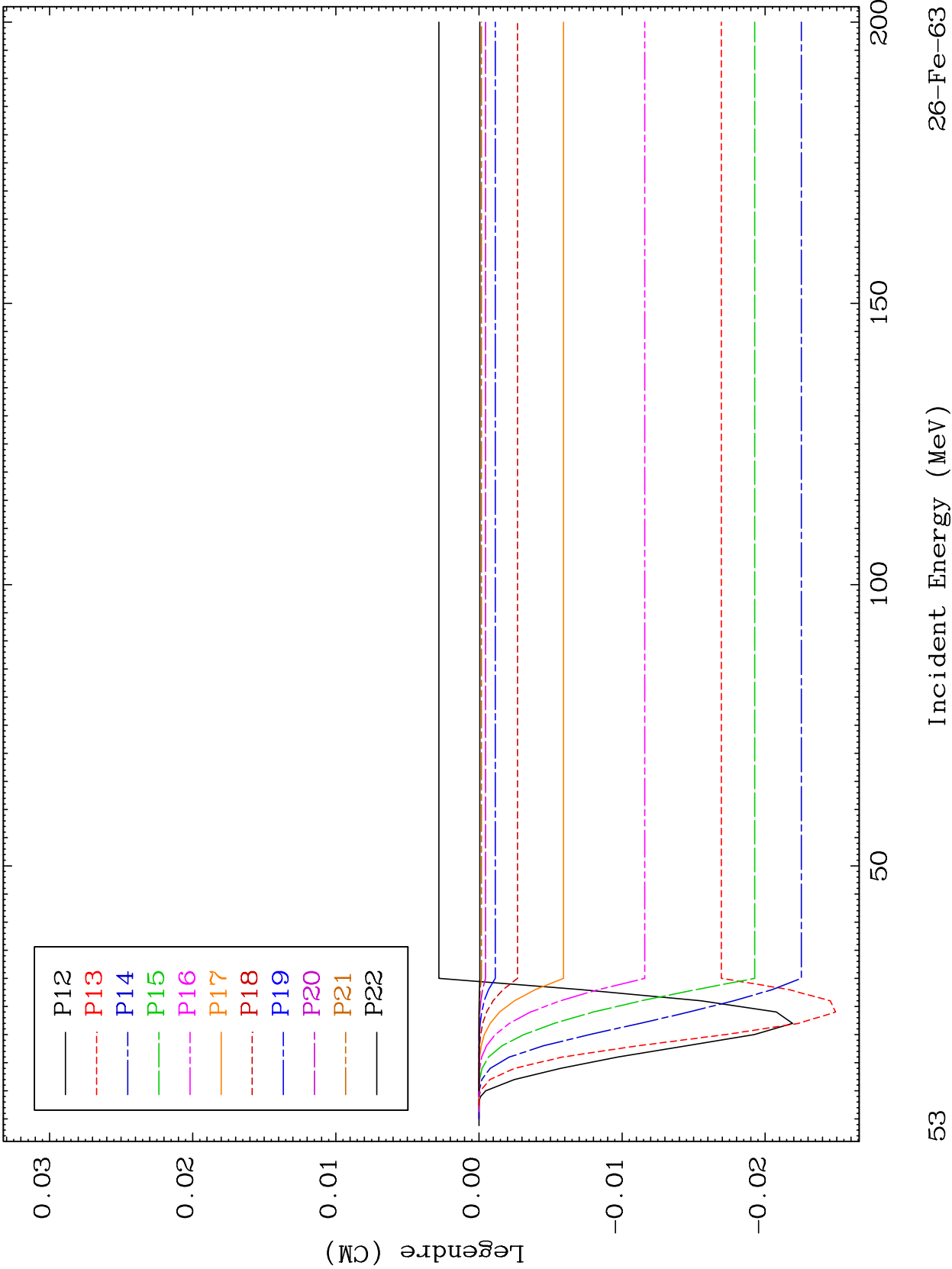
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

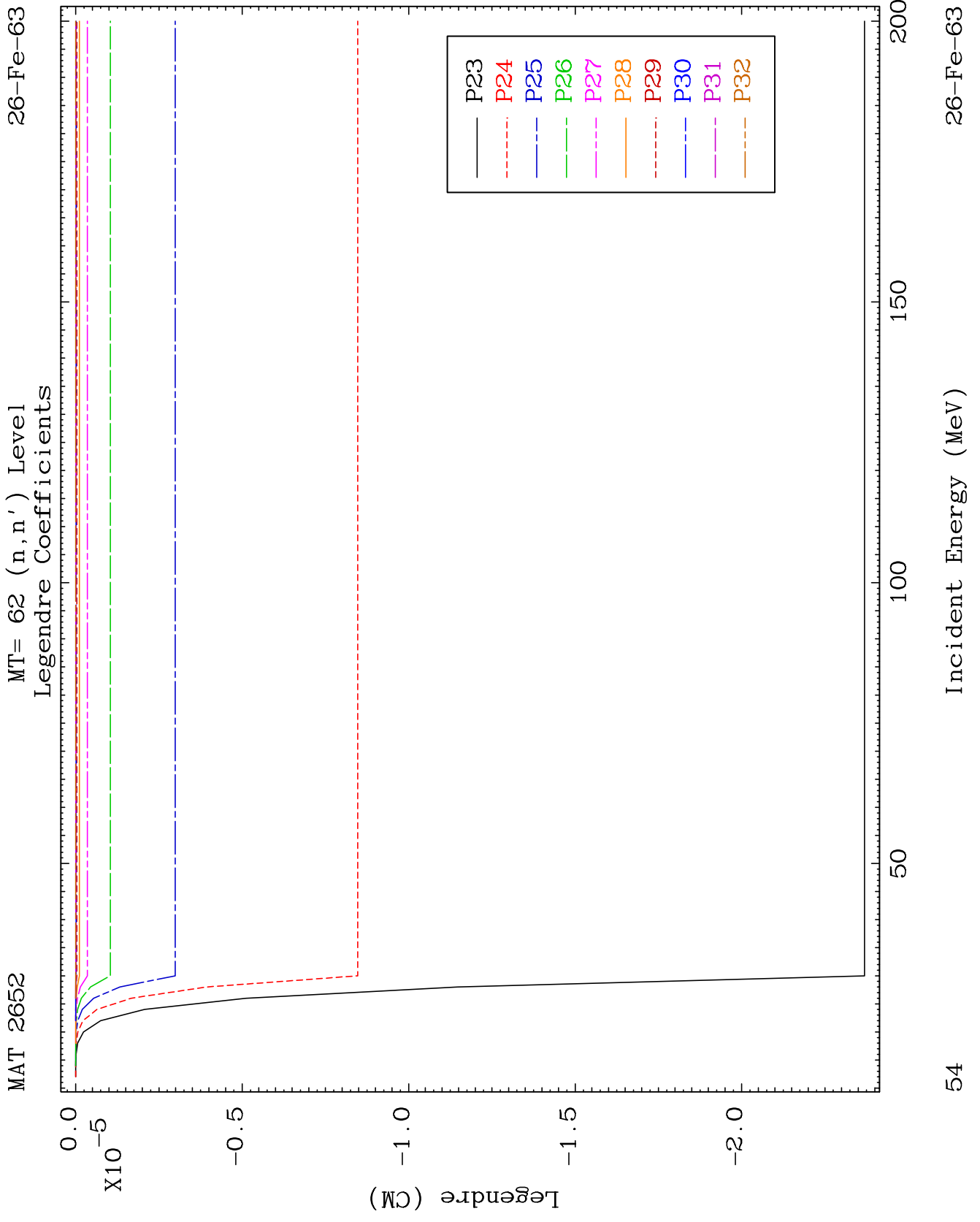
26-Fe-63



53

Incident Energy (MeV)

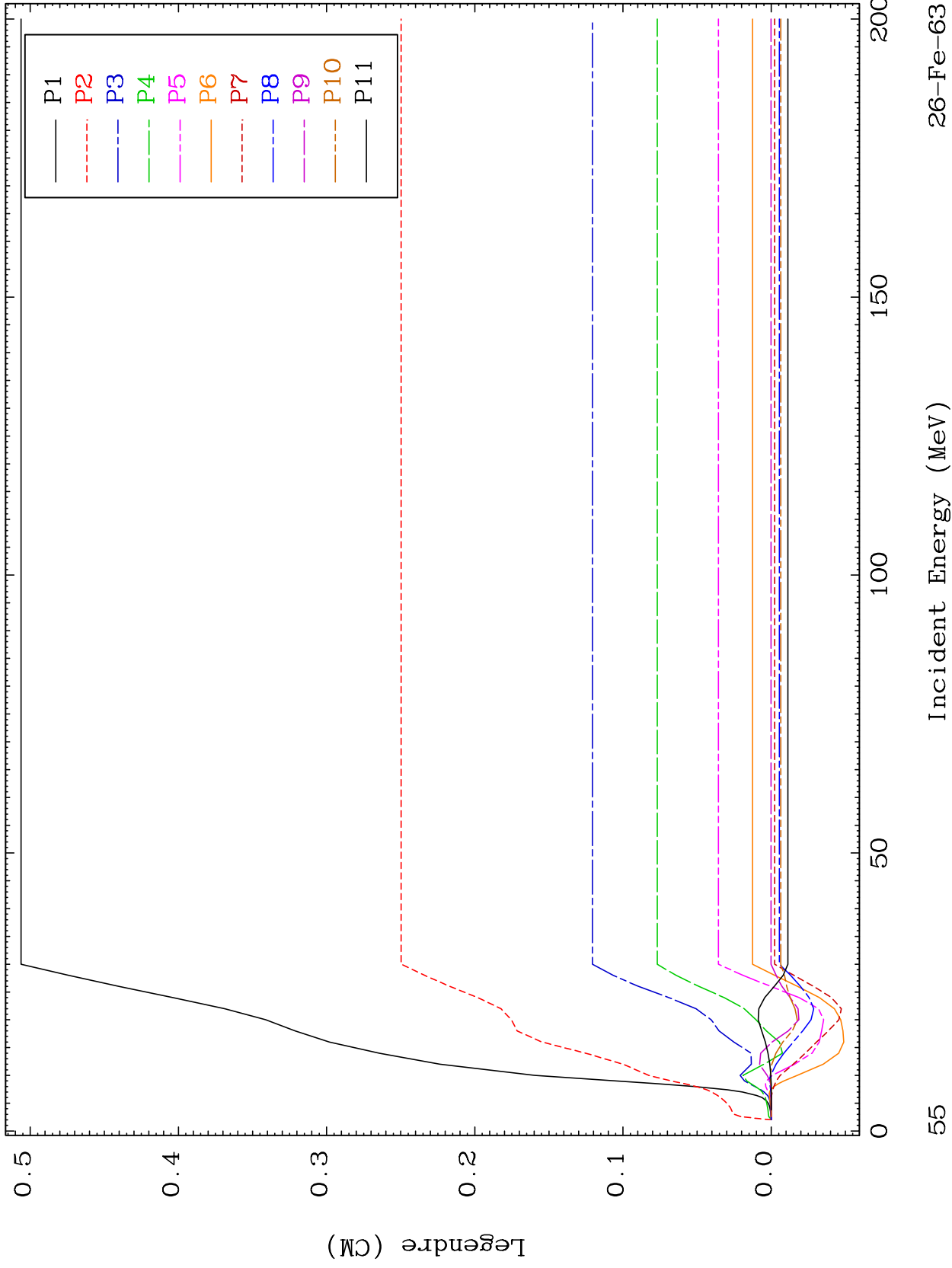
26-Fe-63



MAT 2652

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

26-Fe-63



26-Fe-63

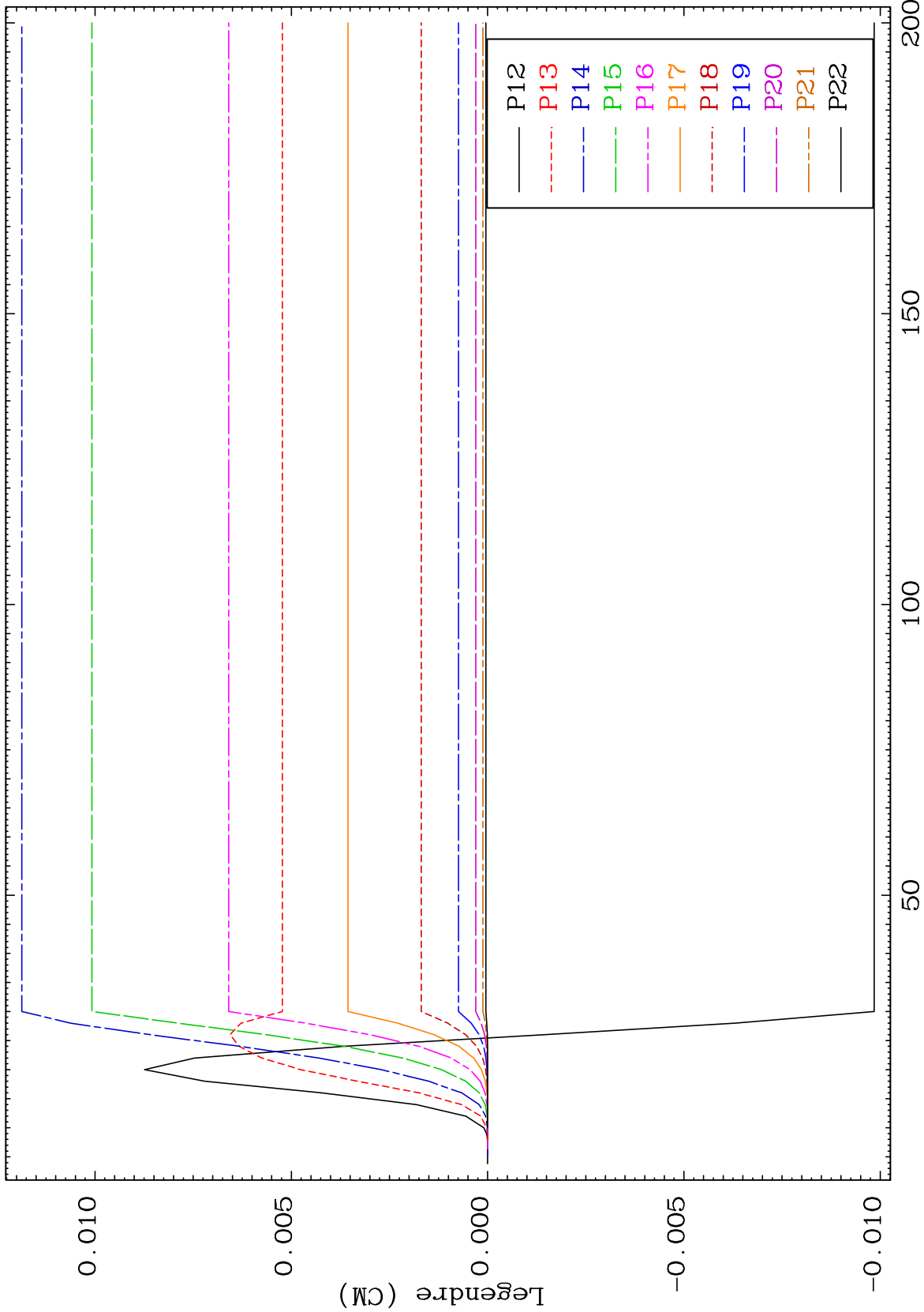
Incident Energy (MeV)

55

MAT 2652

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

26-Fe-63



56

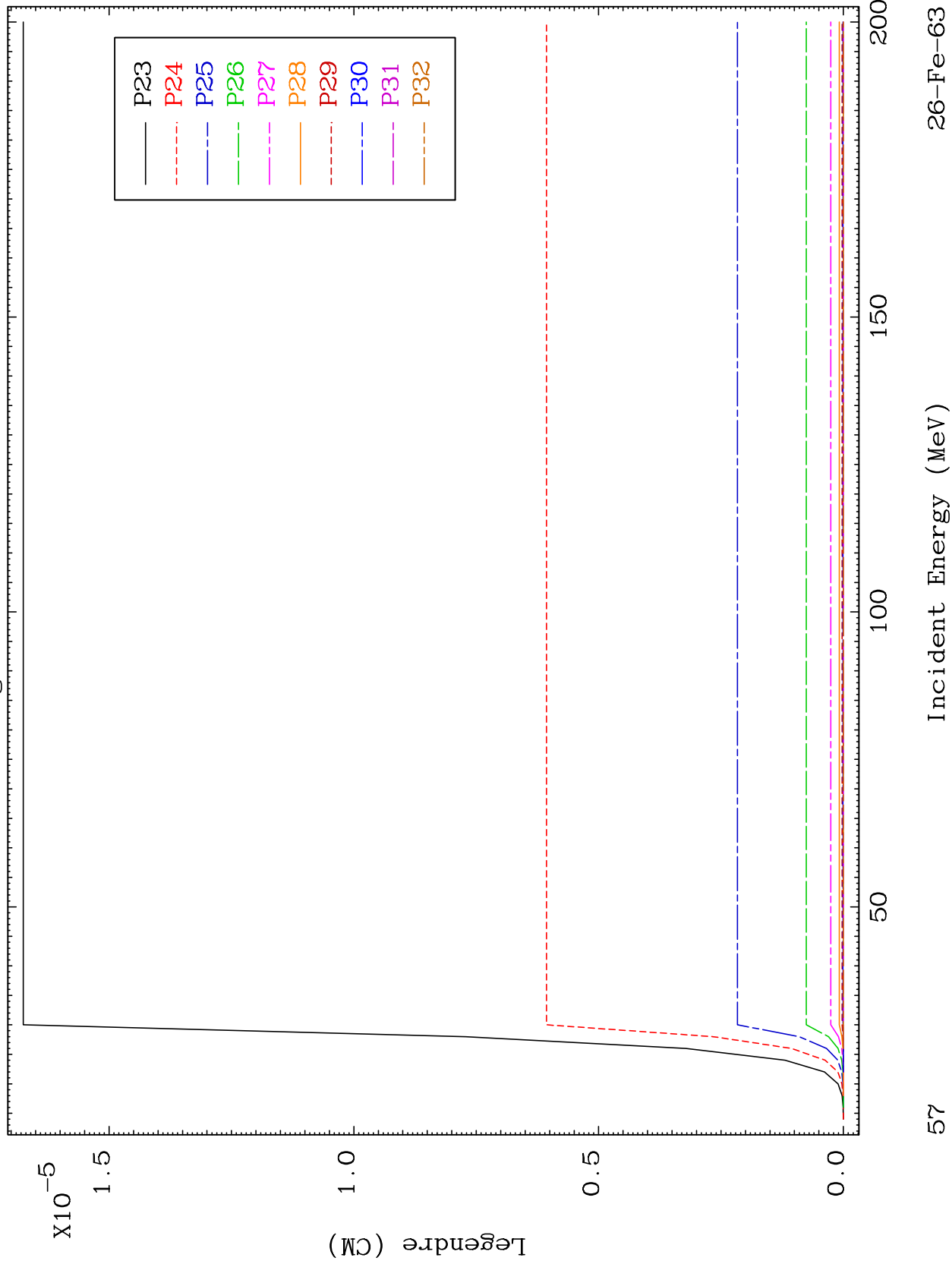
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

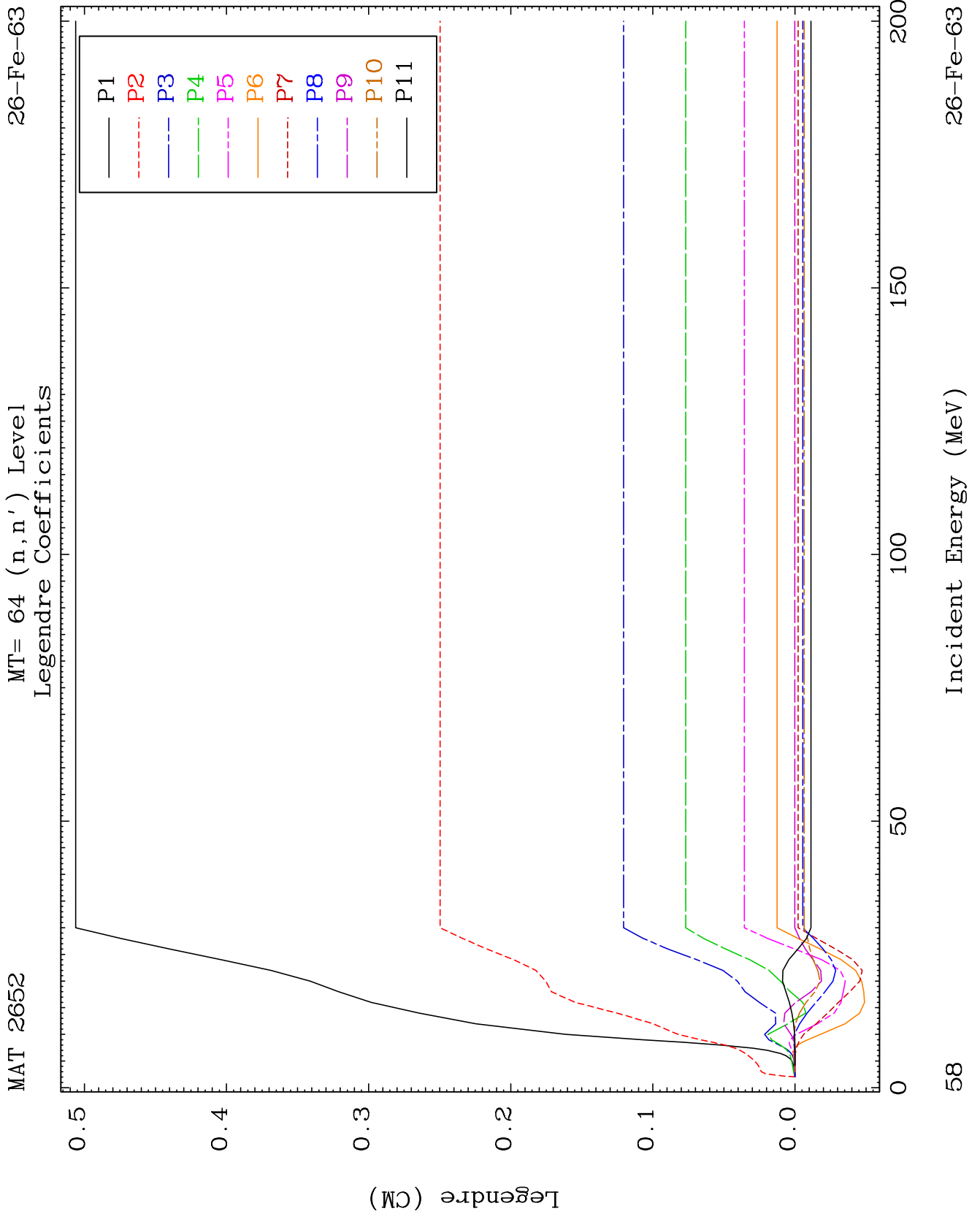
26-Fe-63



57

Incident Energy (MeV)

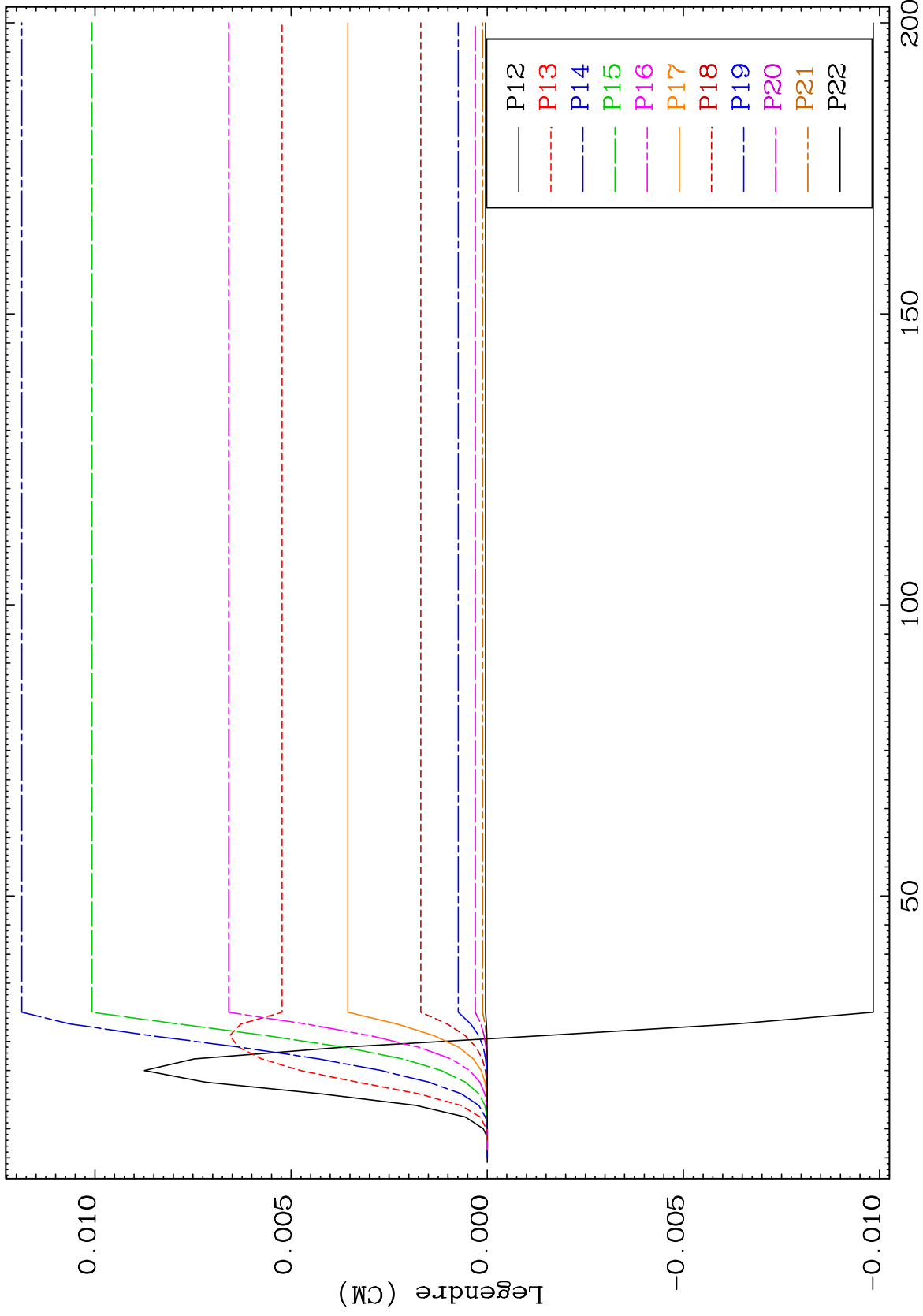
26-Fe-63



MAT 2652

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

26-Fe-63



59

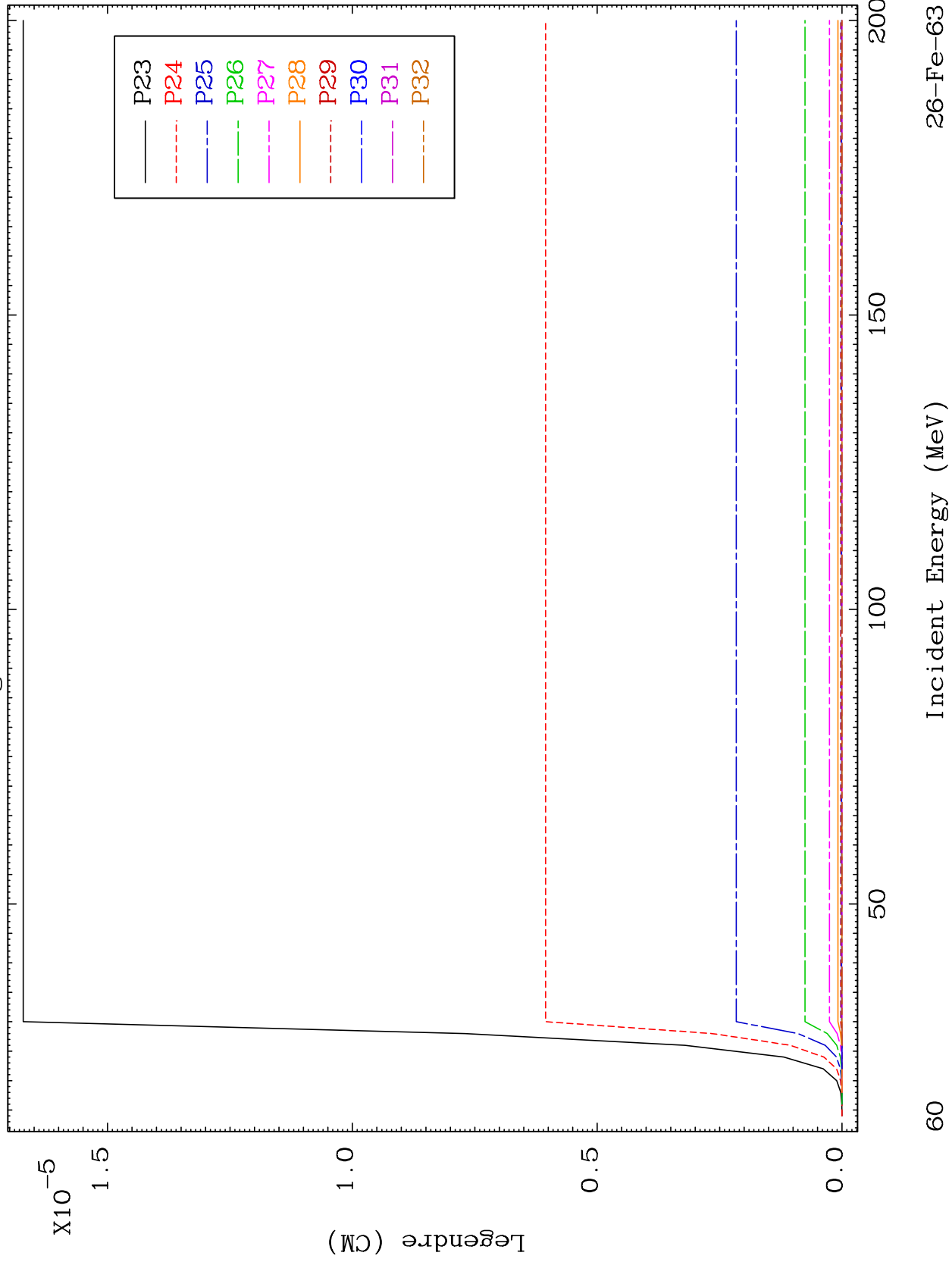
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

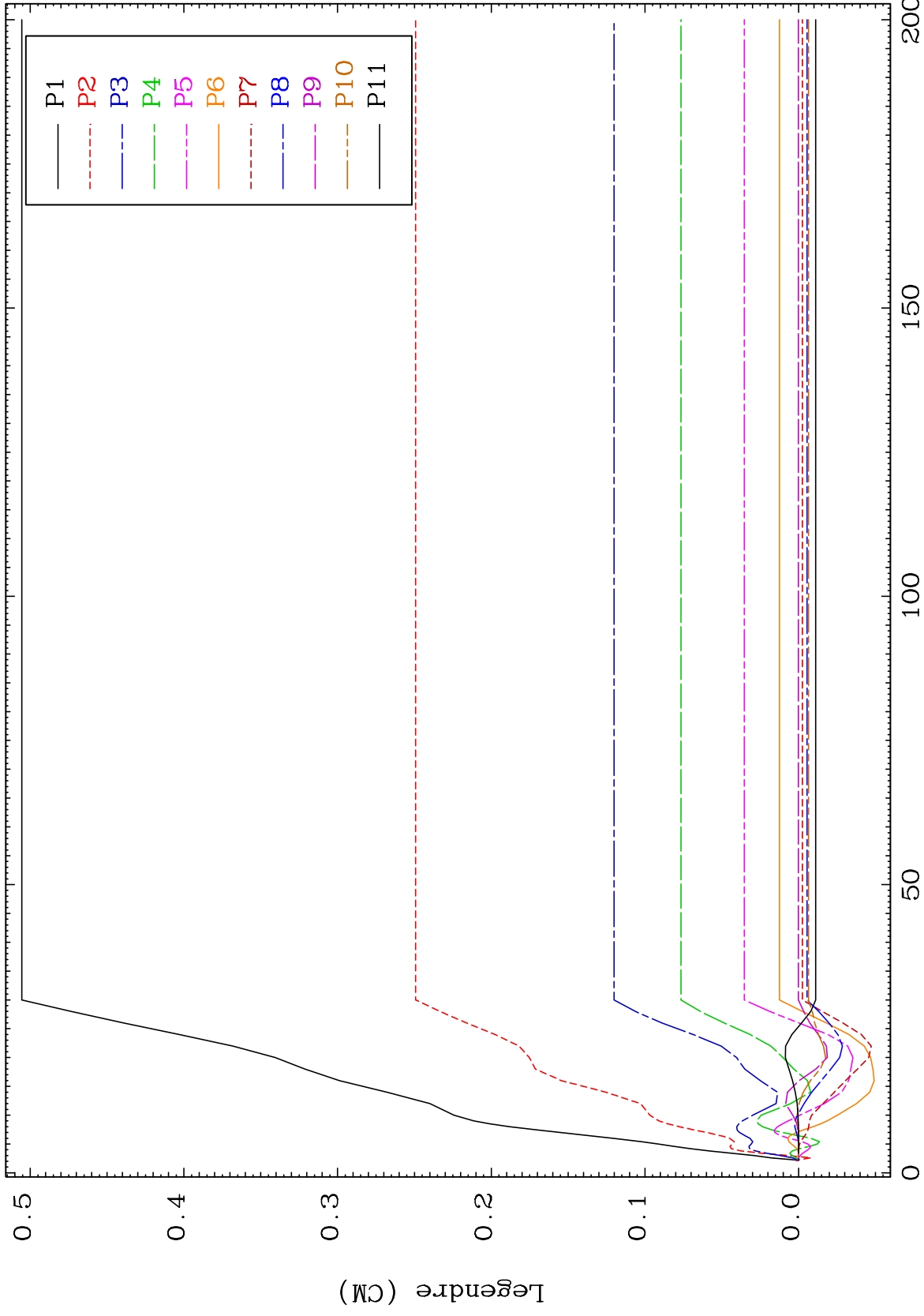
26-Fe-63



MAT 2652

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

26-Fe-63



61

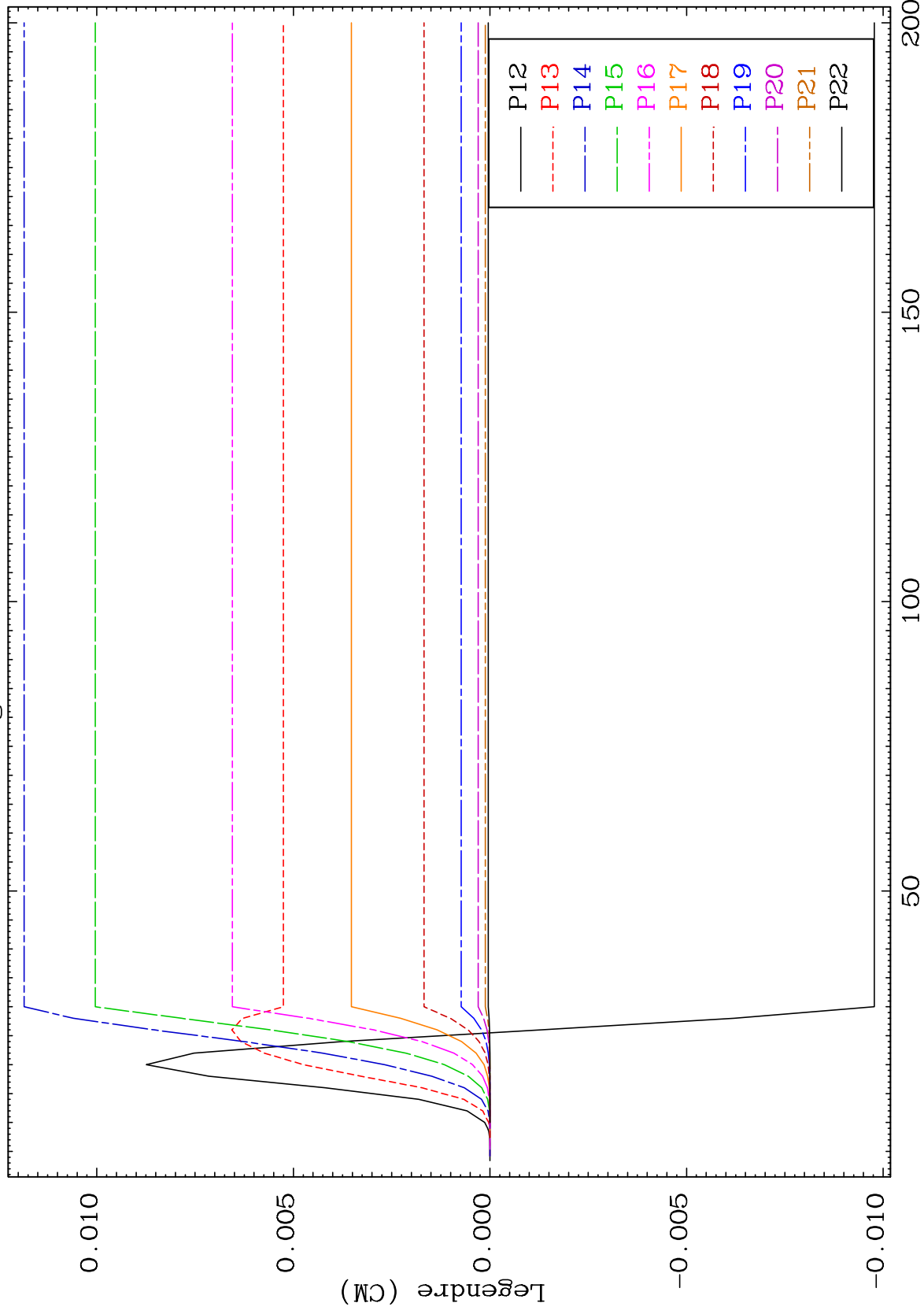
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



62

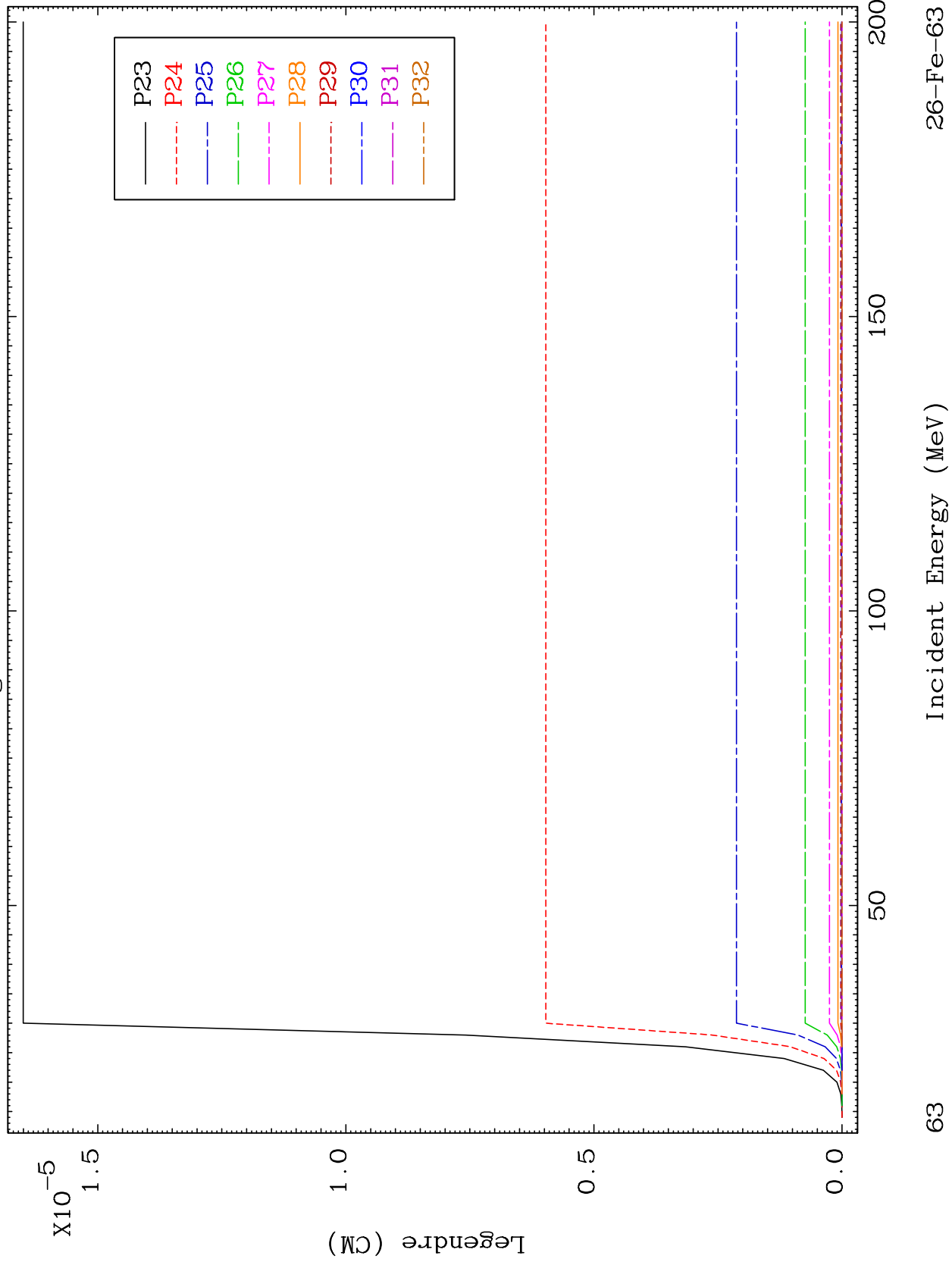
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

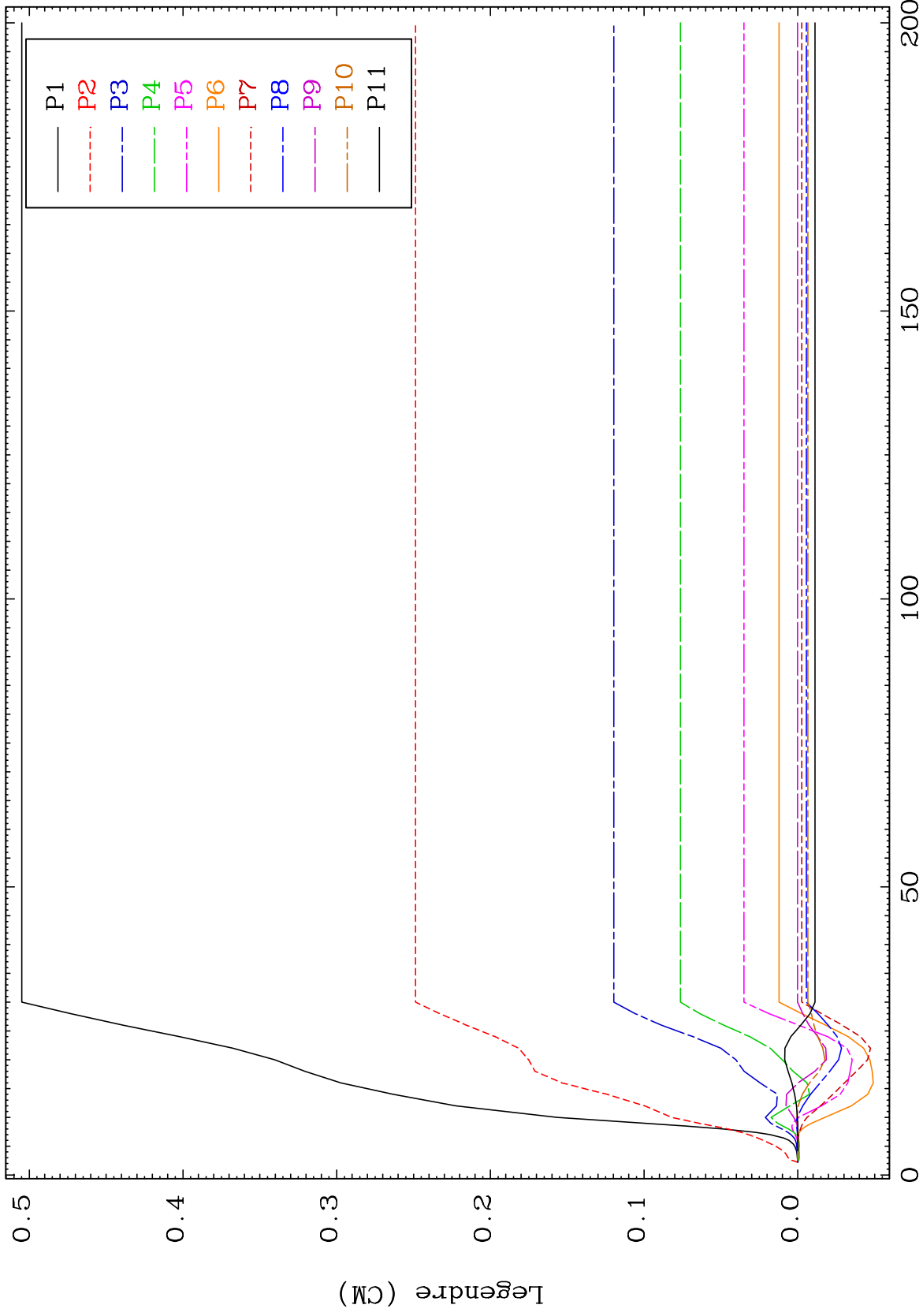
26-Fe-63



MAT 2652

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

26-Fe-63



64

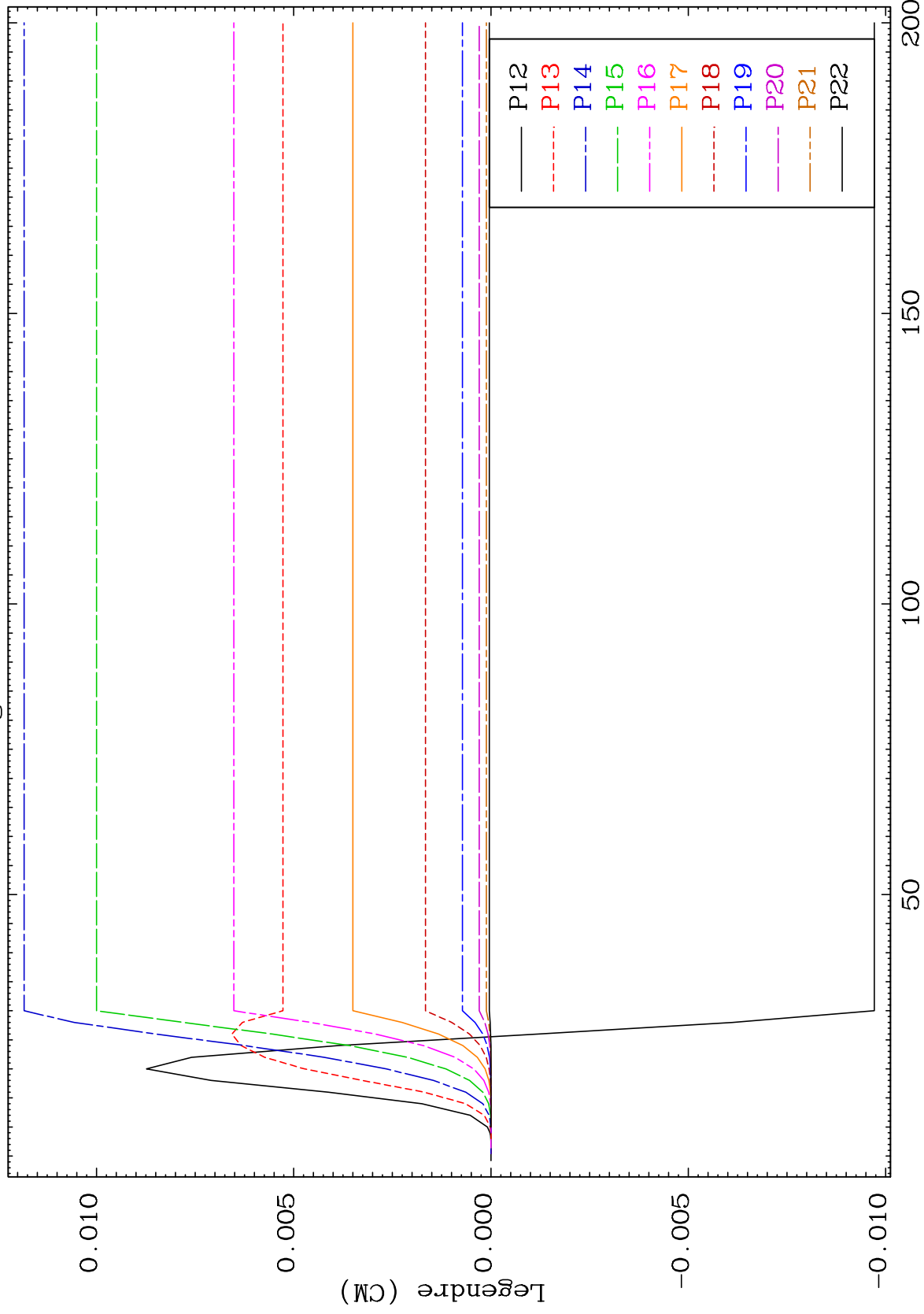
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



65

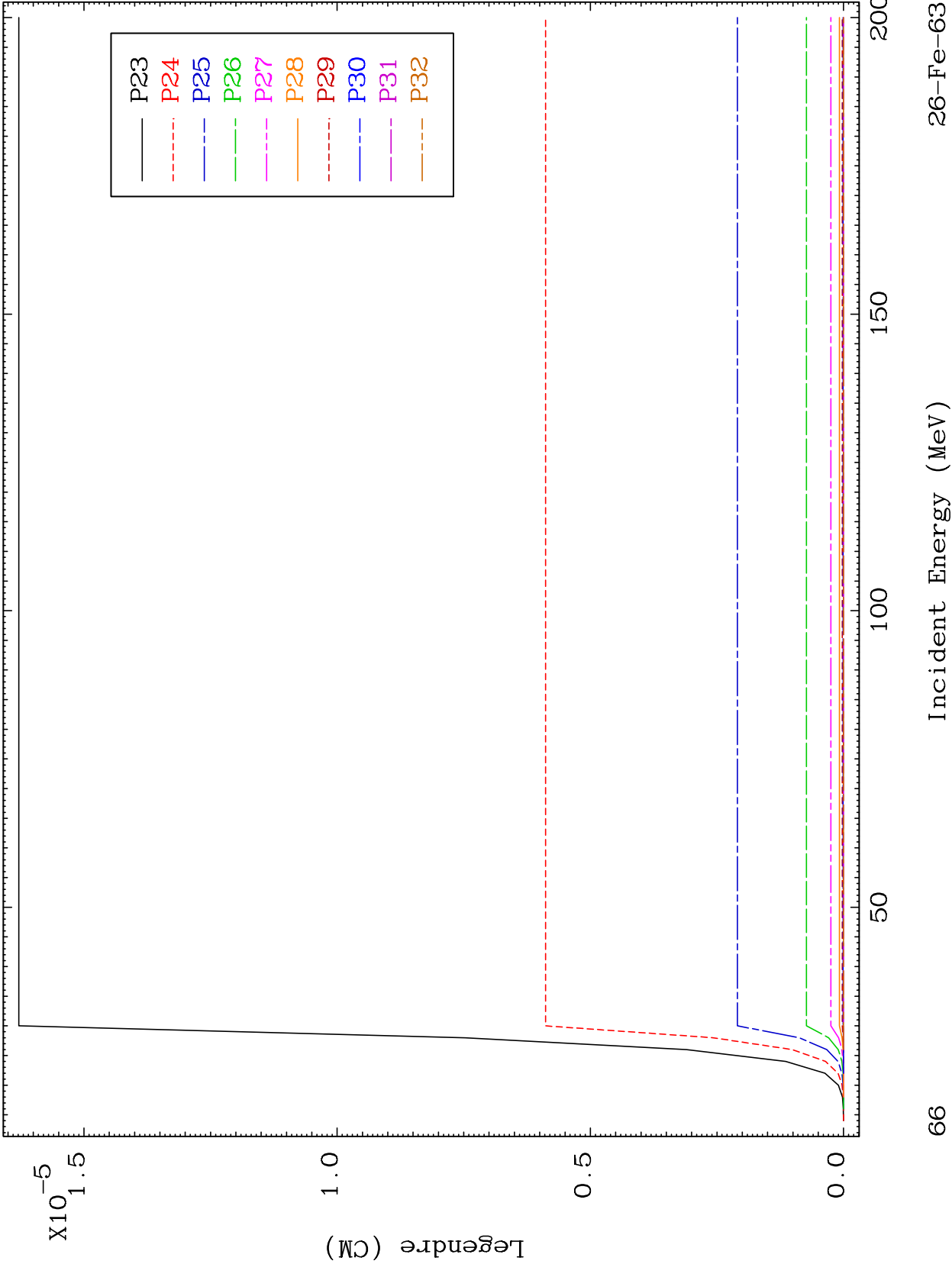
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



66

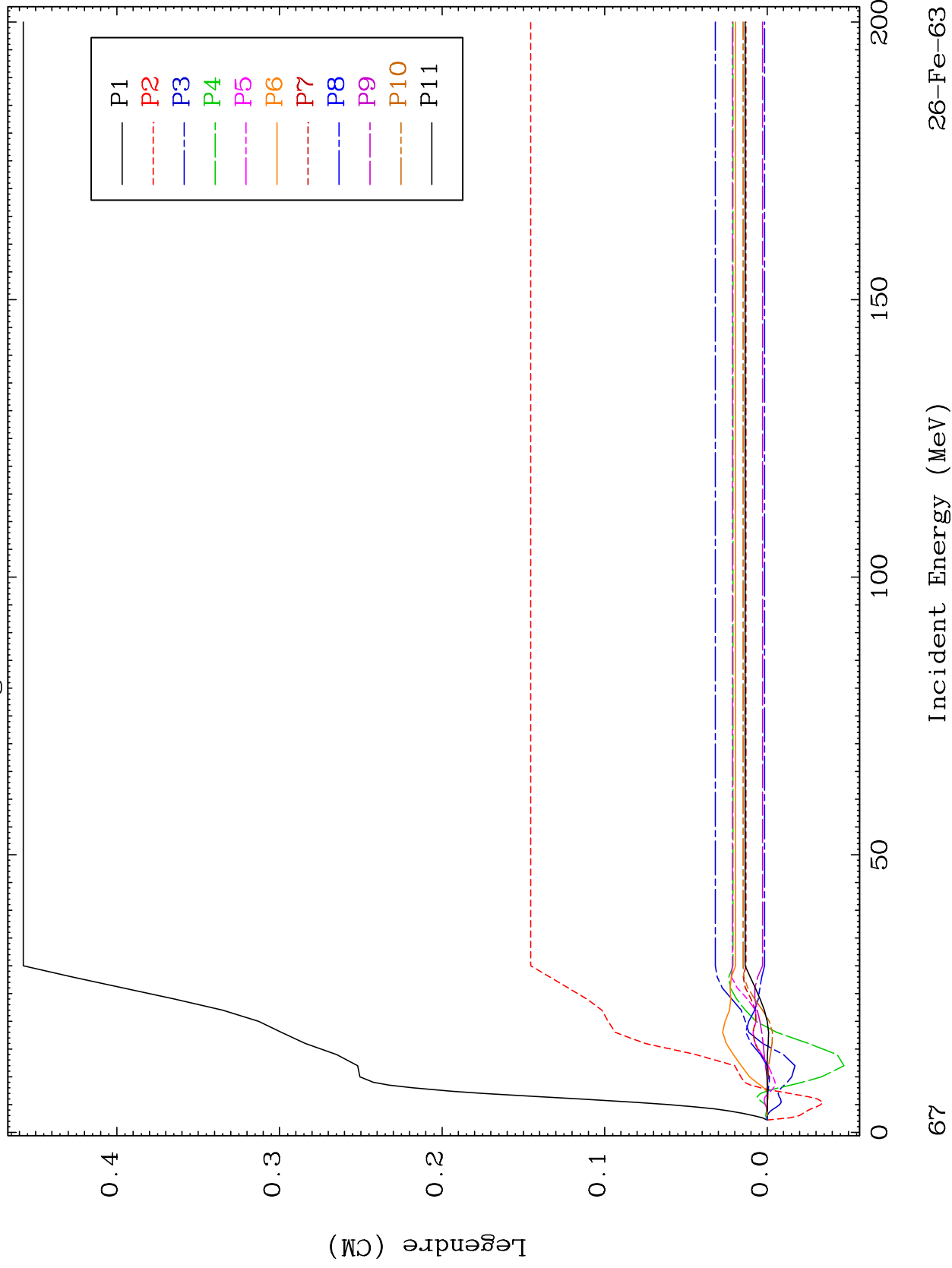
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

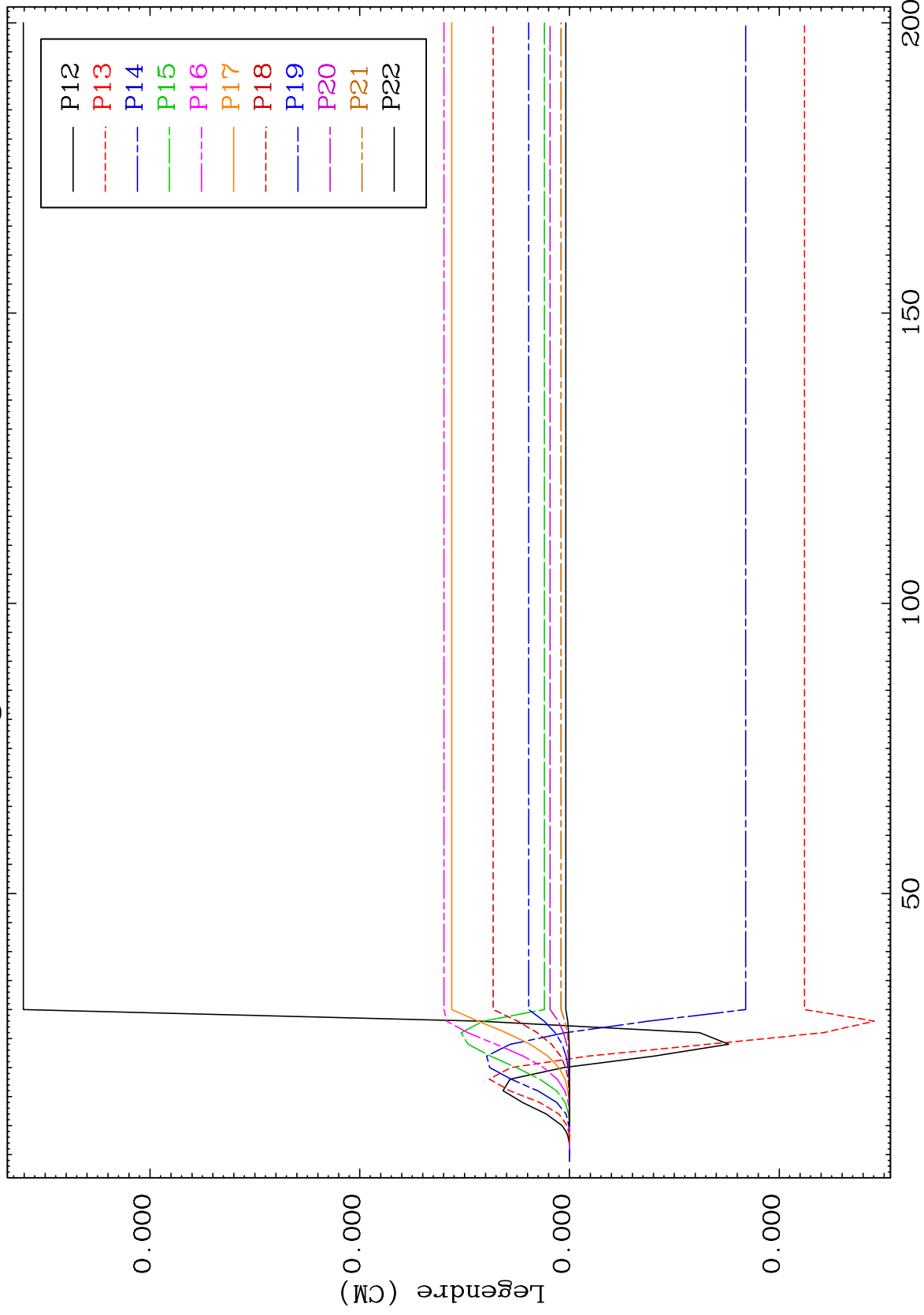
26-Fe-63



MAT 2652

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

26-Fe-63



68

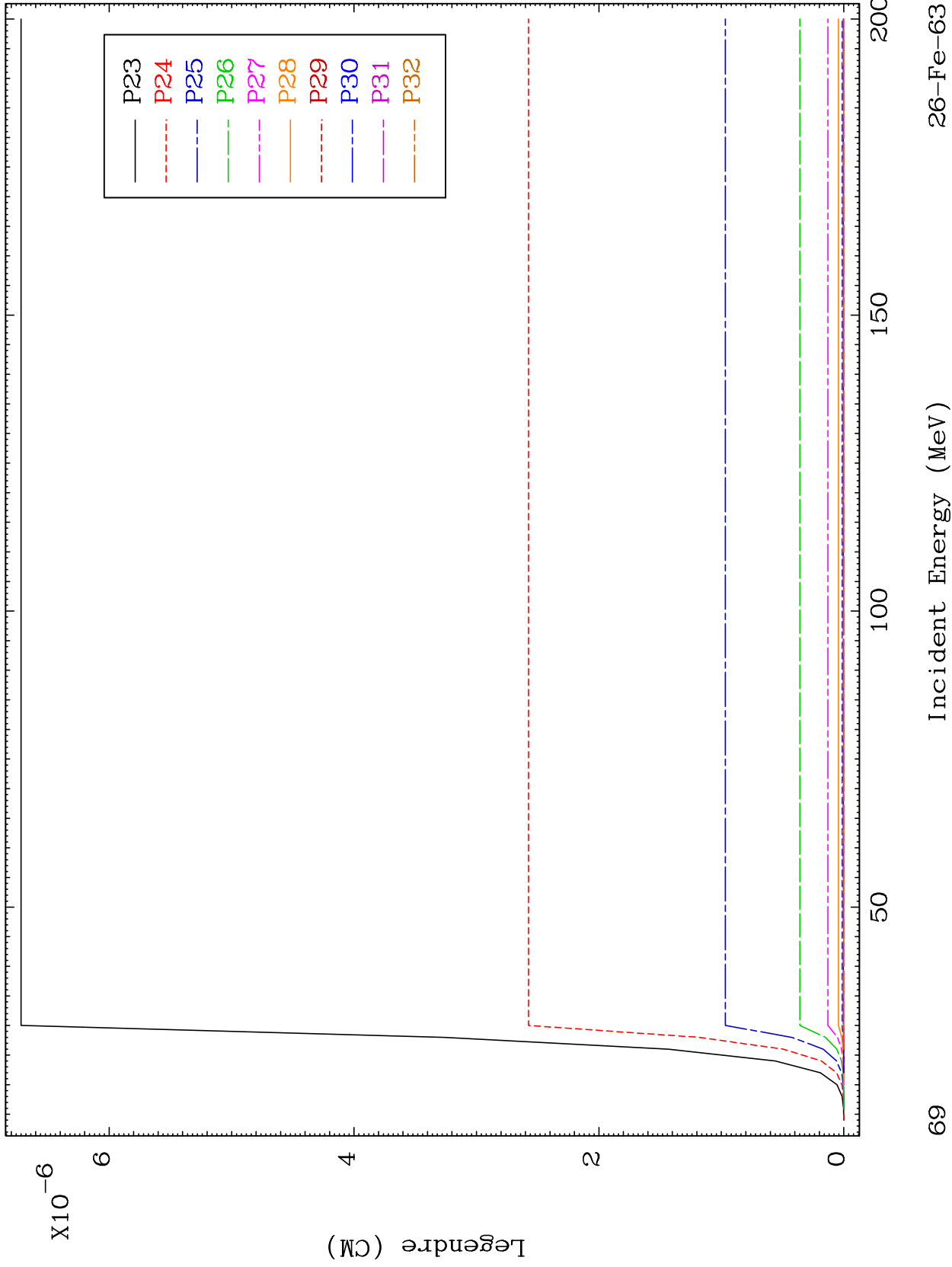
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

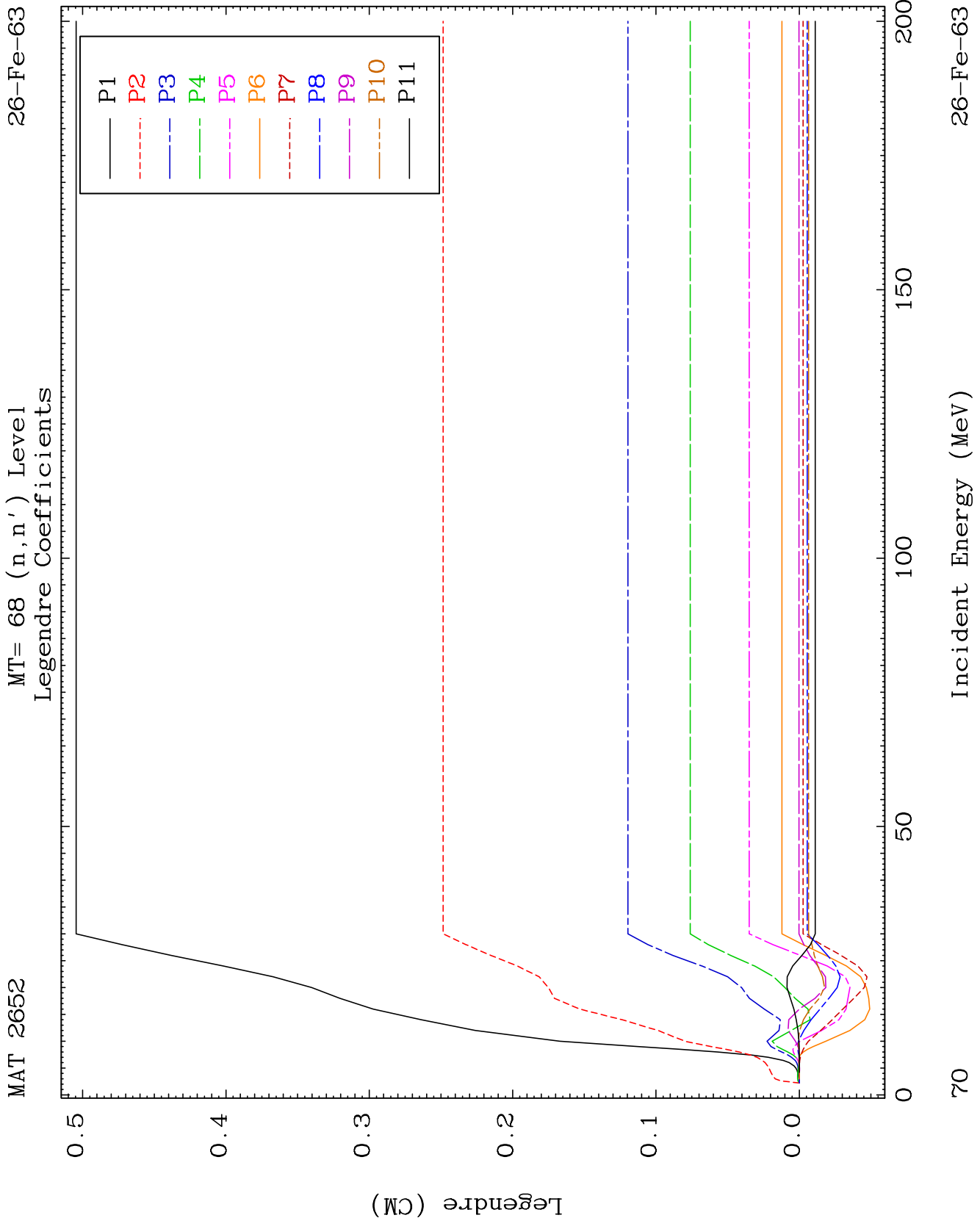
26-Fe-63



69

Incident Energy (MeV)

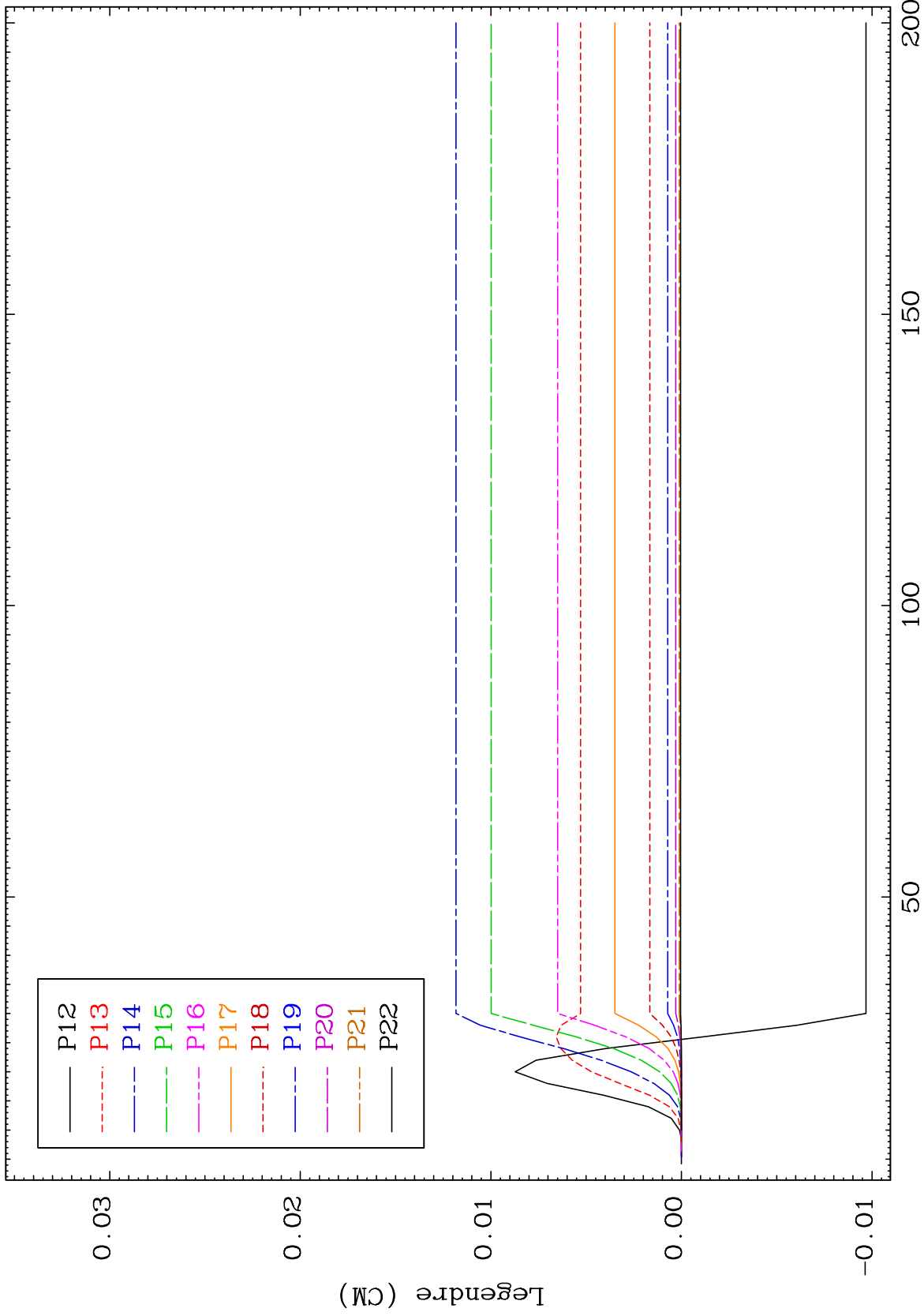
26-Fe-63



MAT 2652

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

26-Fe-63



71

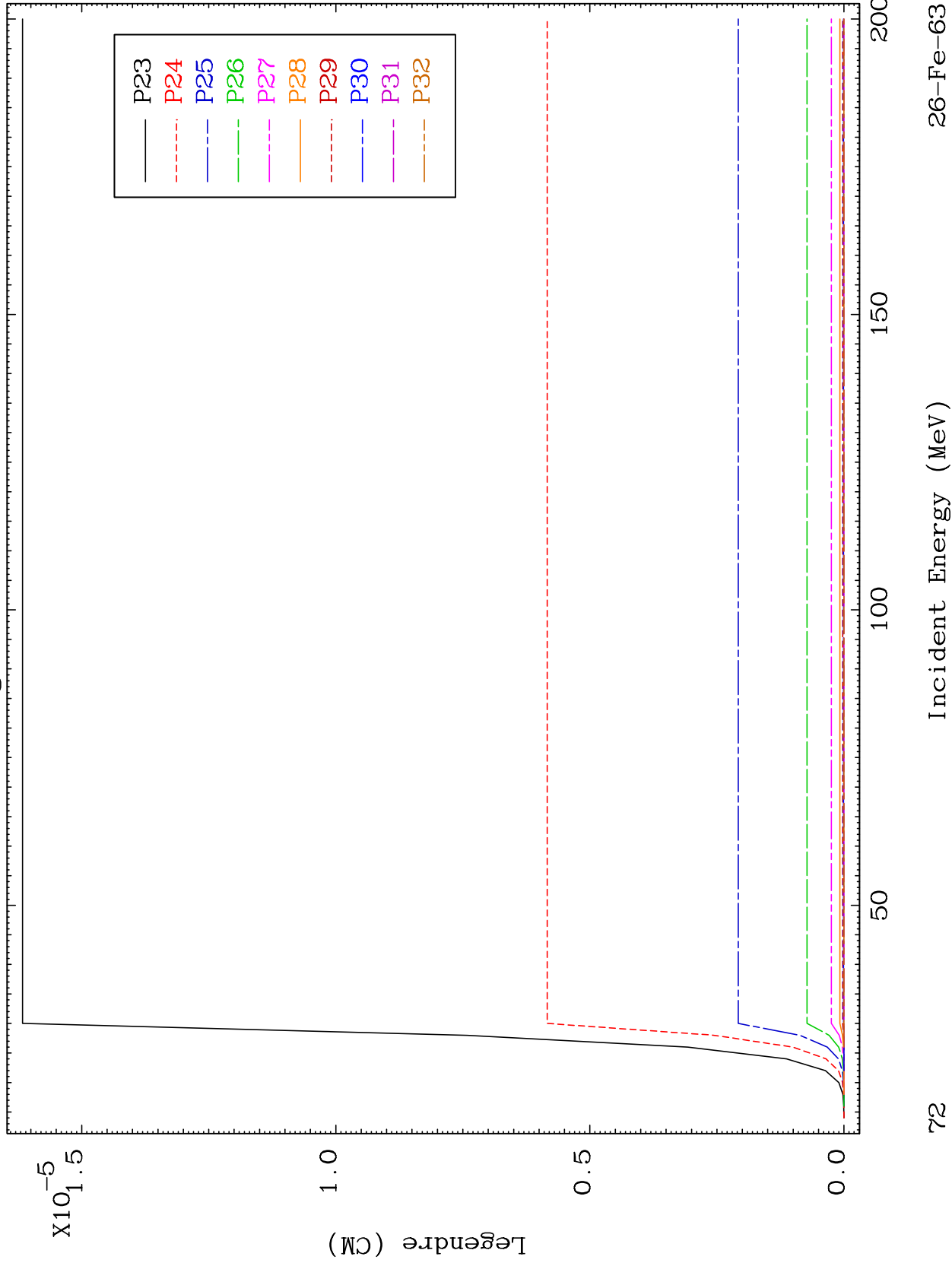
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

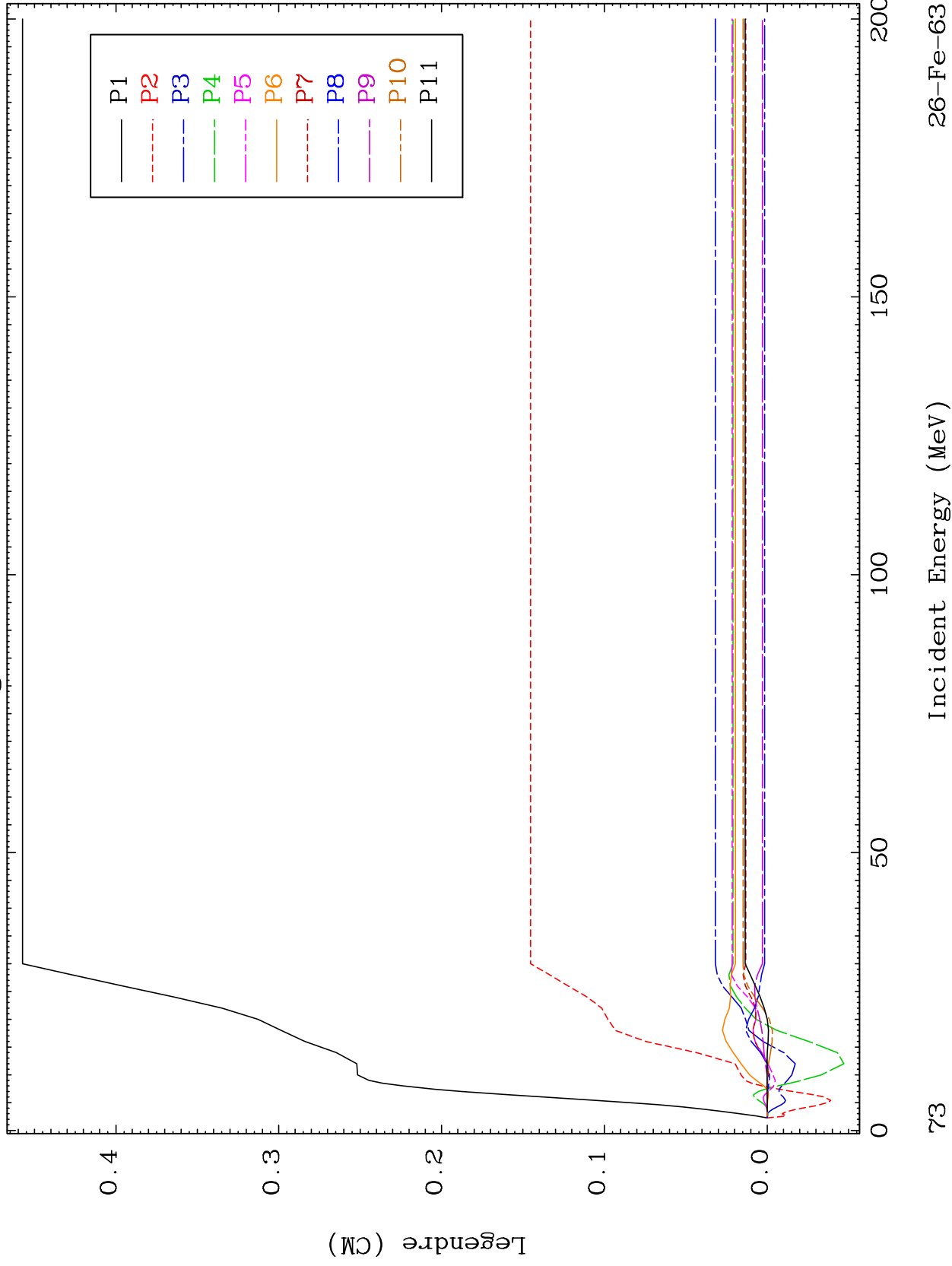
26-Fe-63



MAT 2652

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

26-Fe-63



26-Fe-63

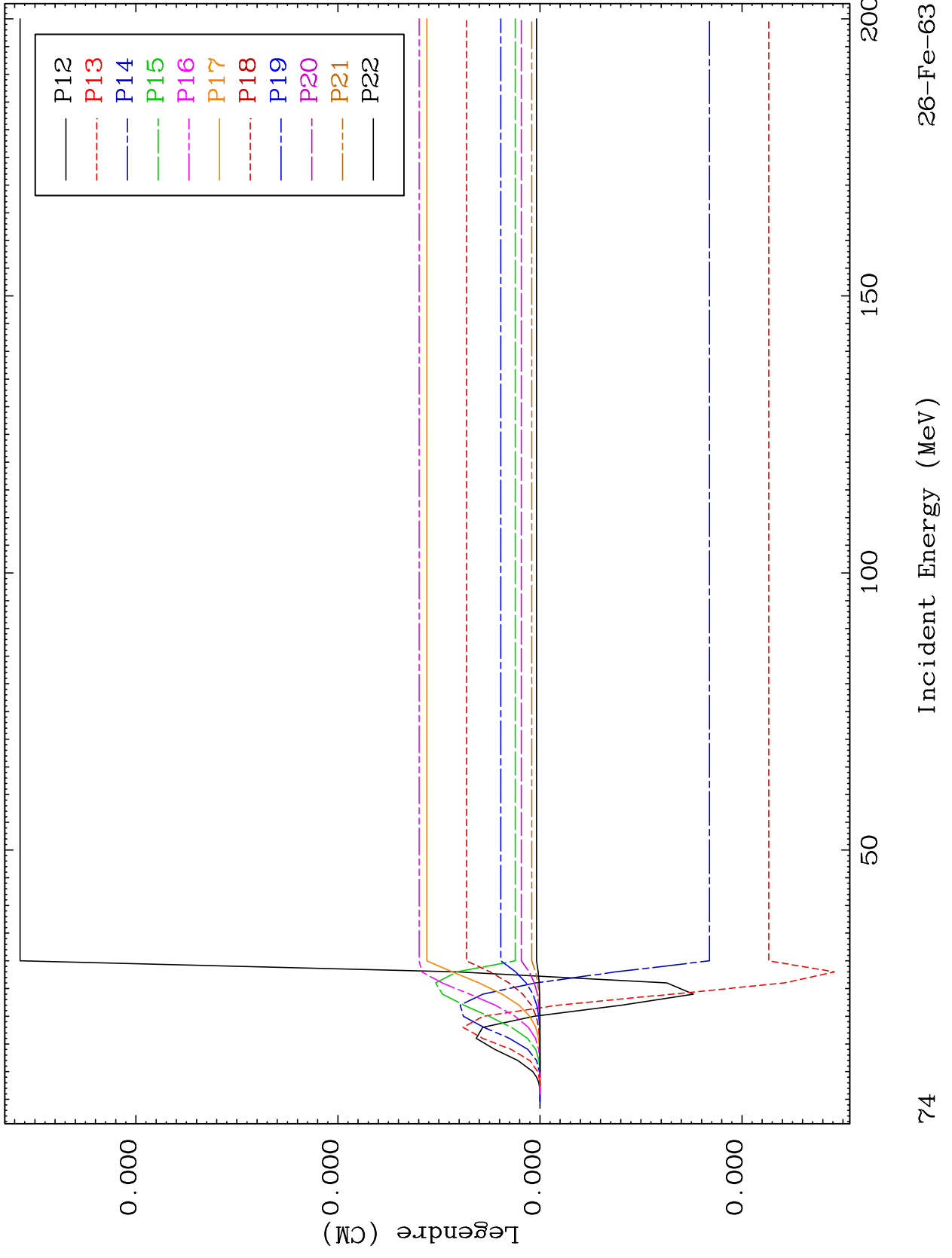
Incident Energy (MeV)

73

MAT 2652

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

26-Fe-63



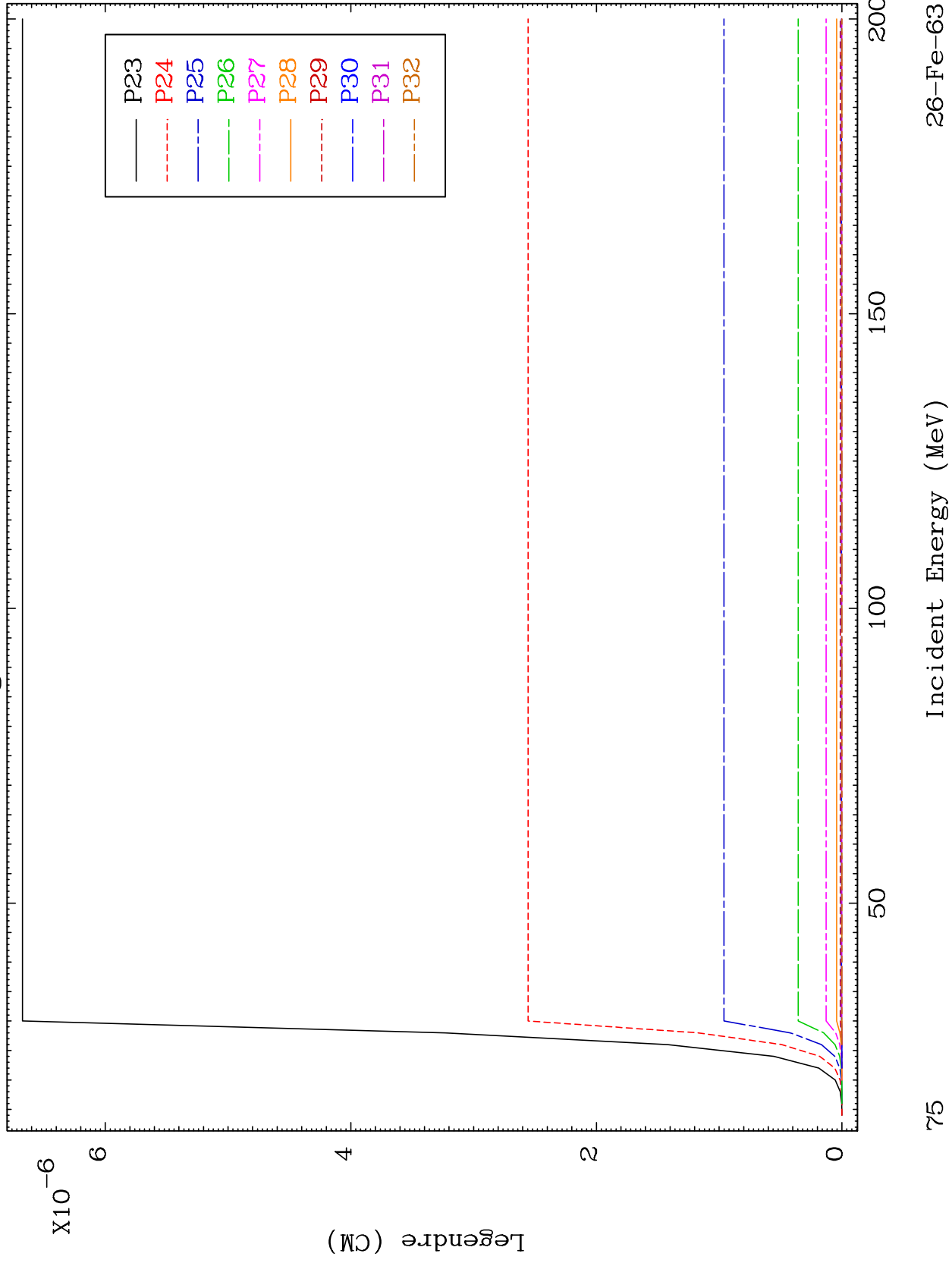
74

26-Fe-63

MAT 2652

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

26-Fe-63



75

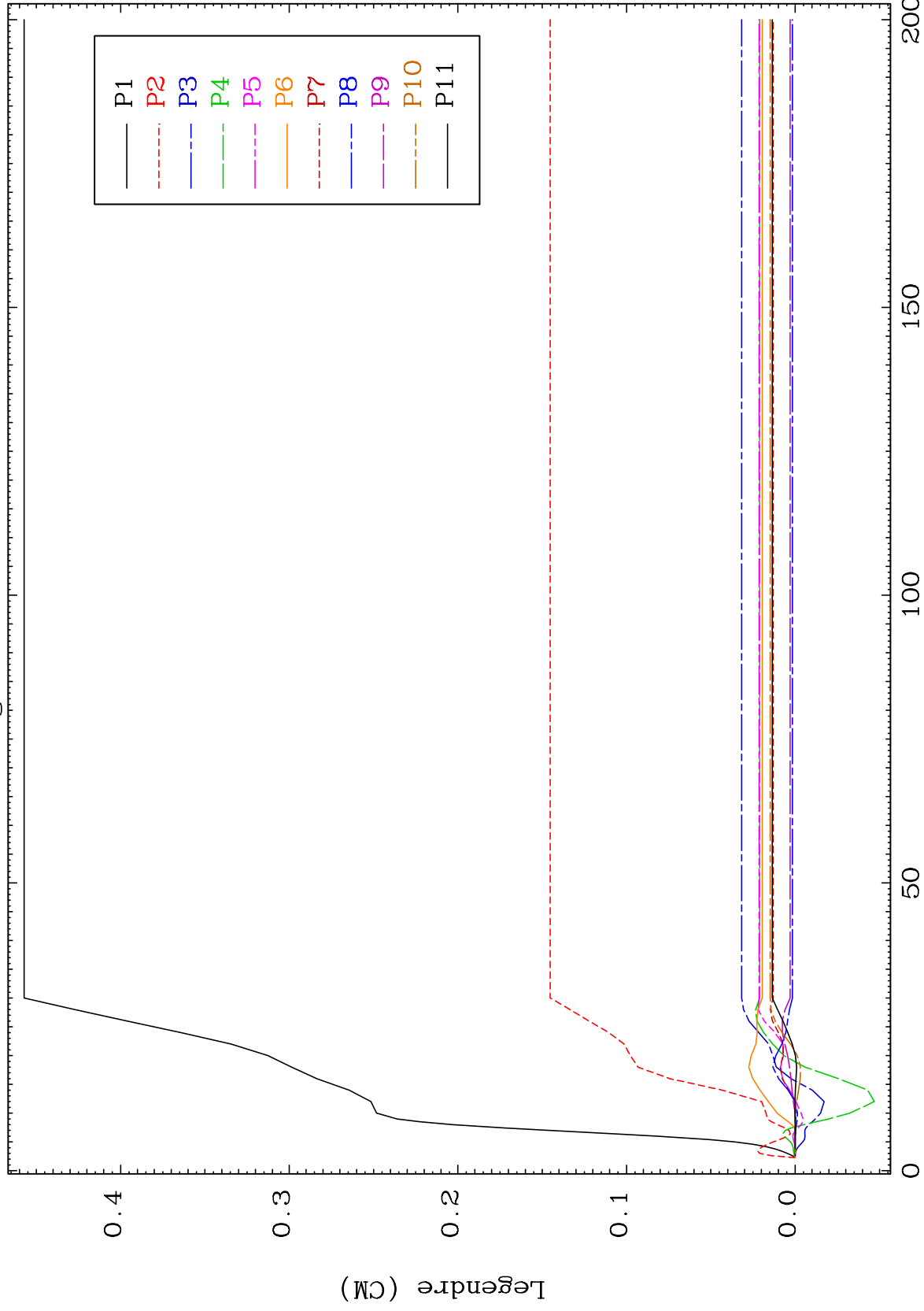
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



76

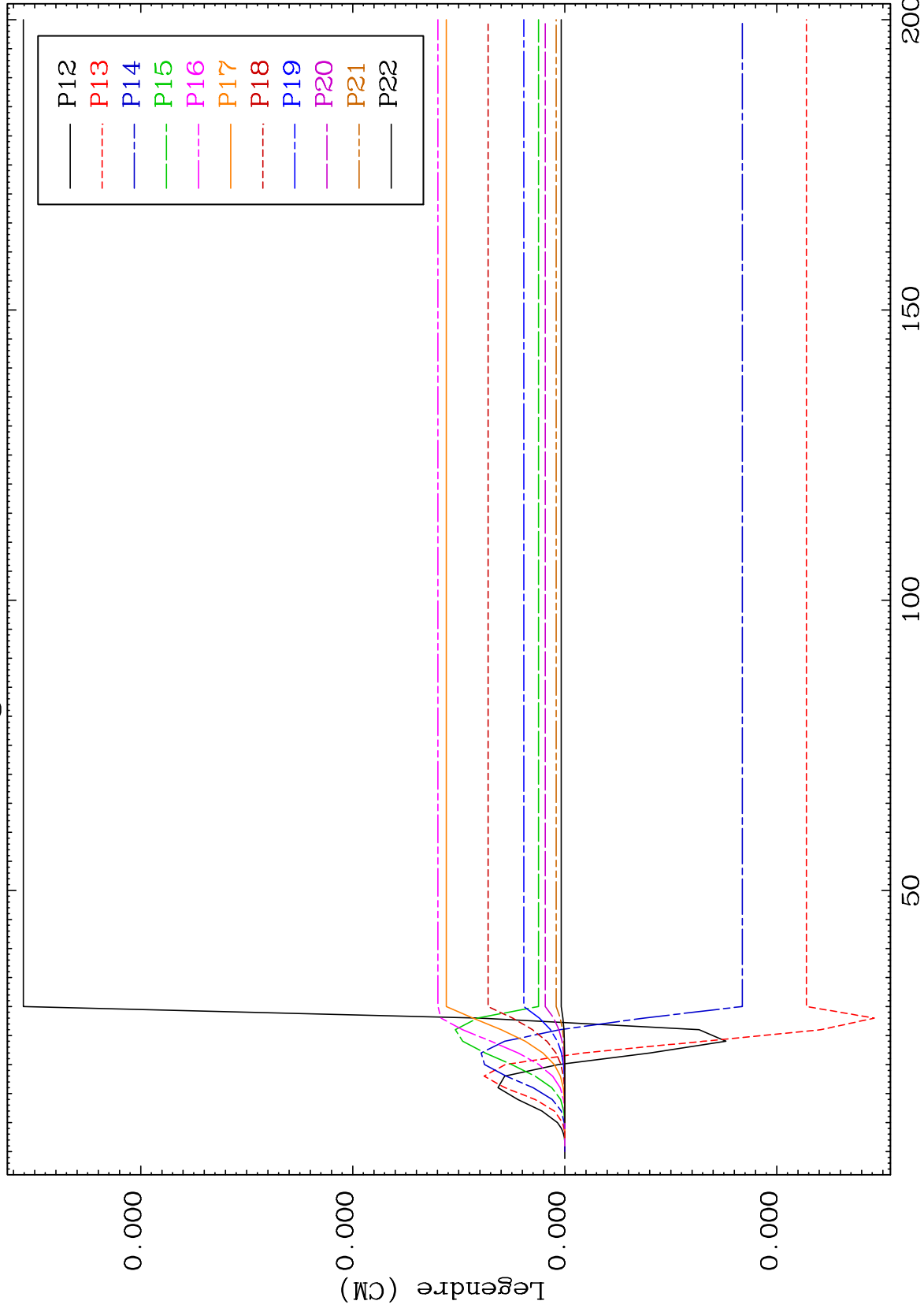
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



77

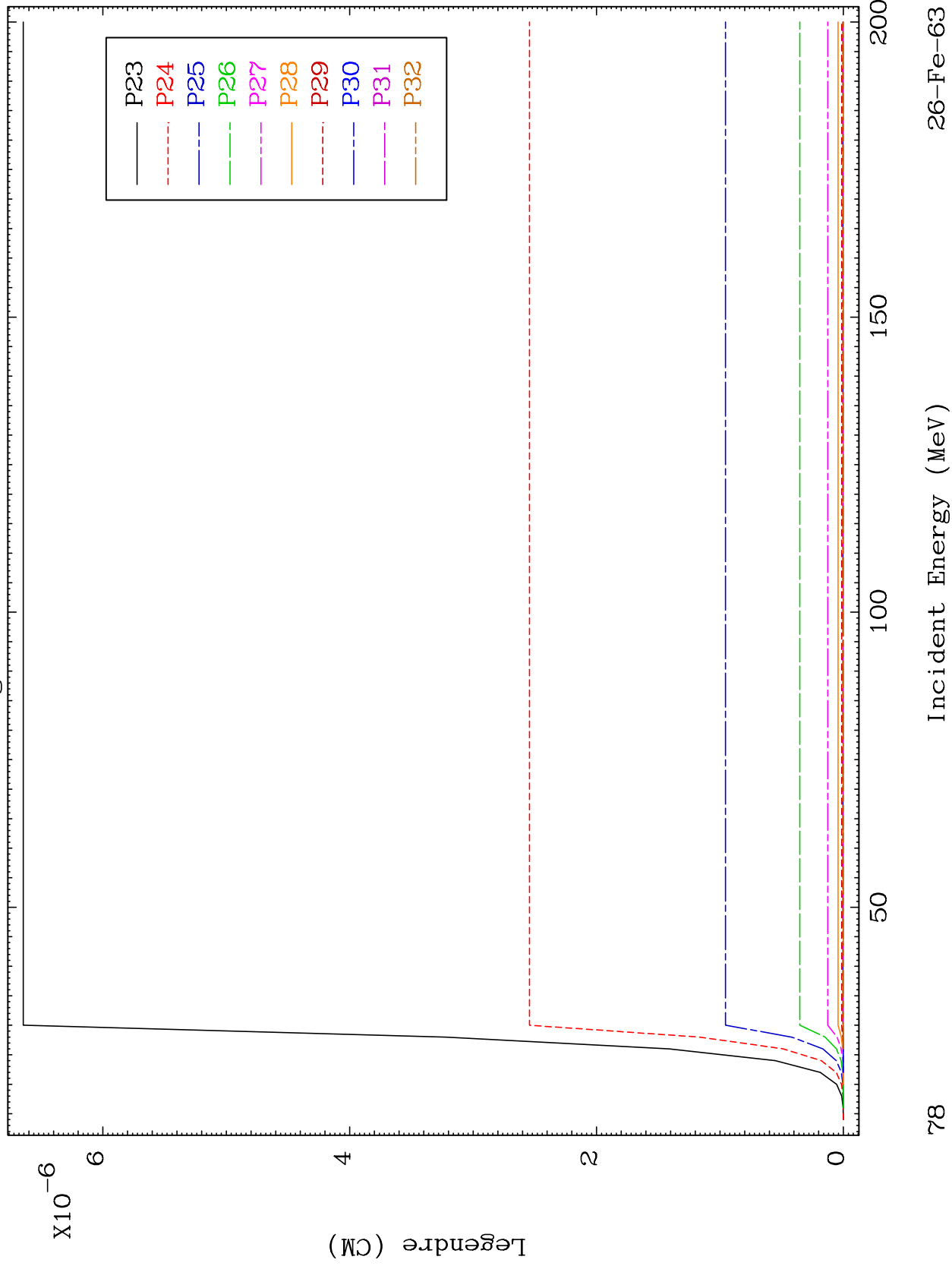
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

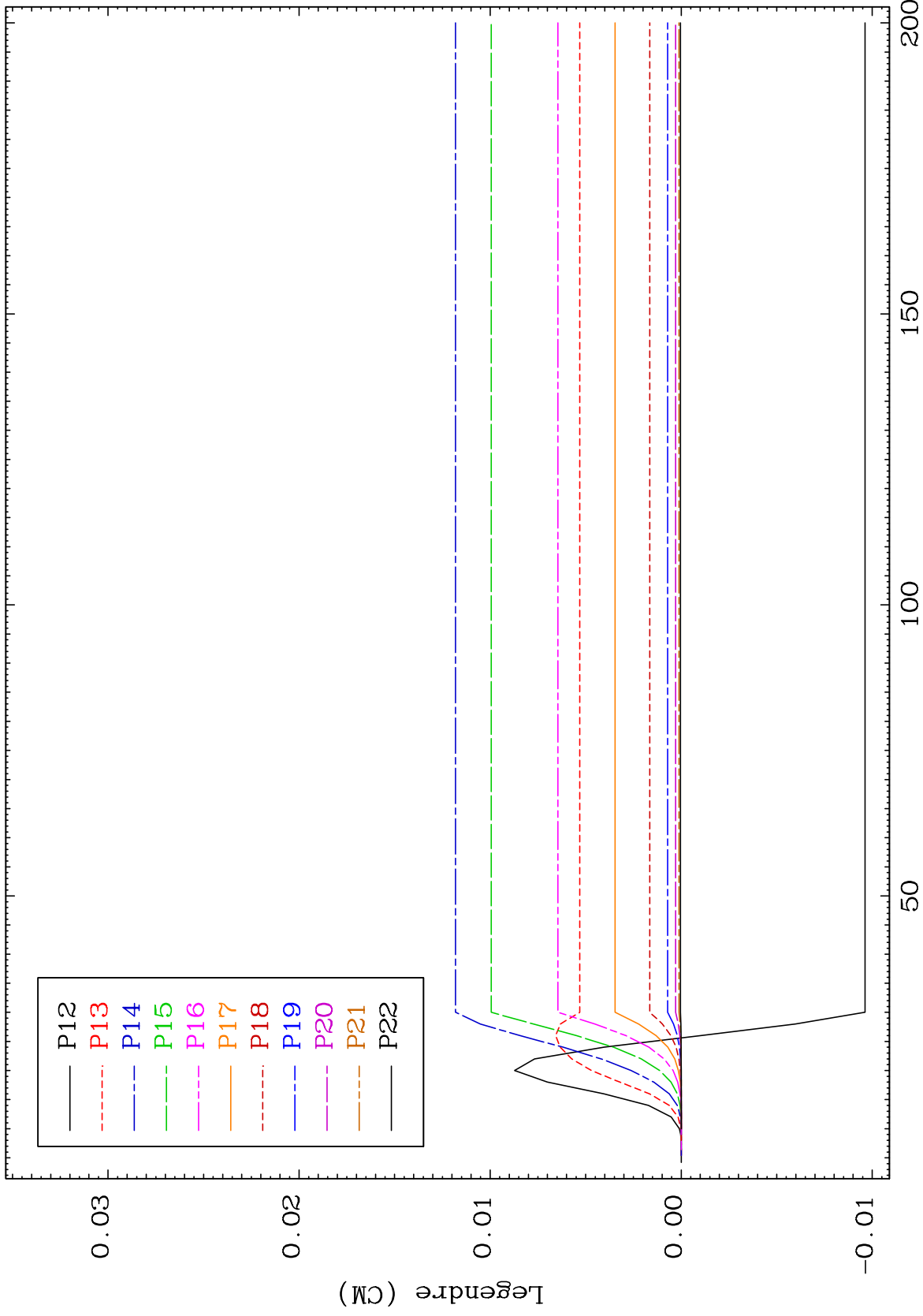
26-Fe-63



MAT 2652

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

26-Fe-63



80

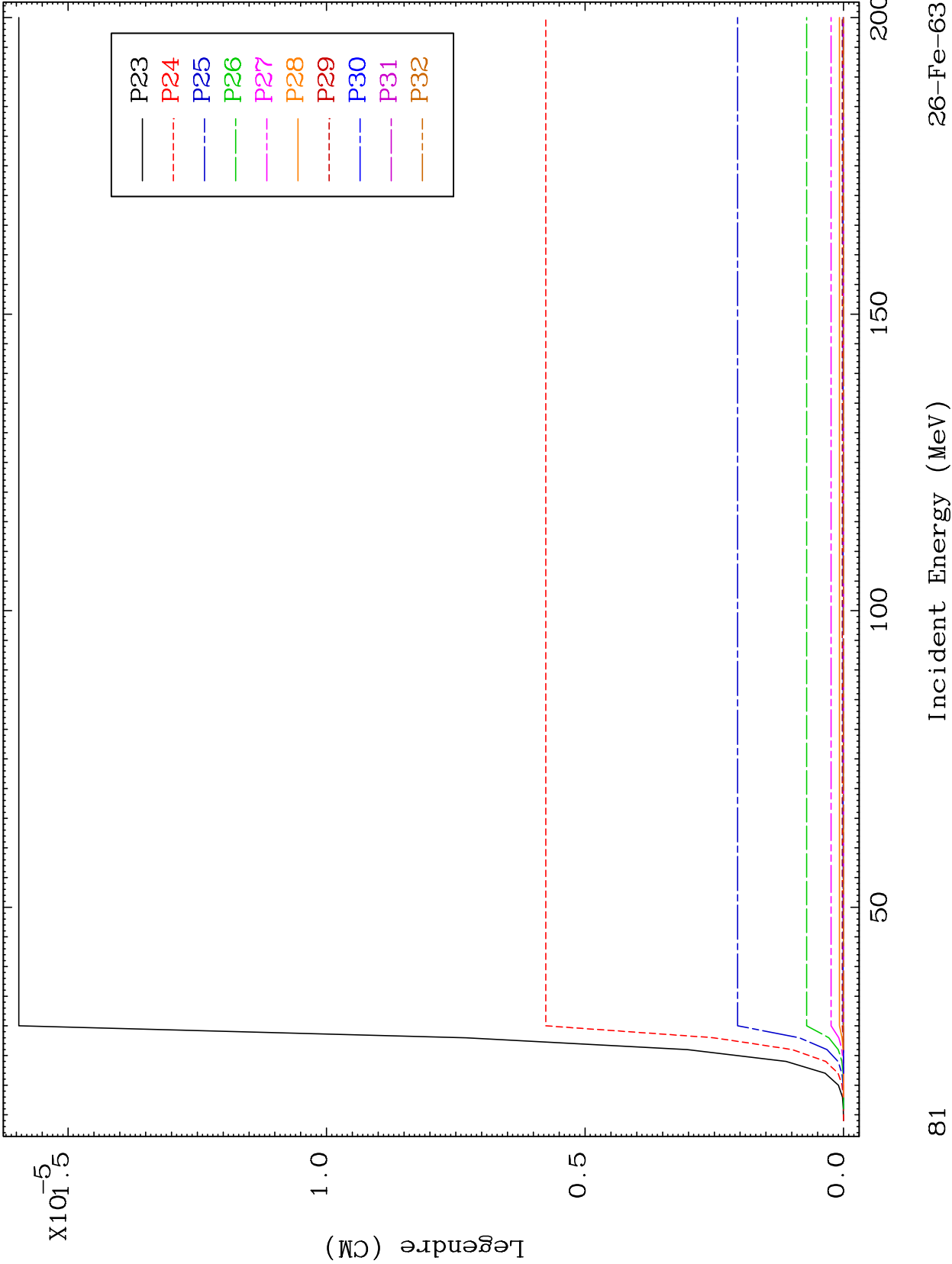
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



81

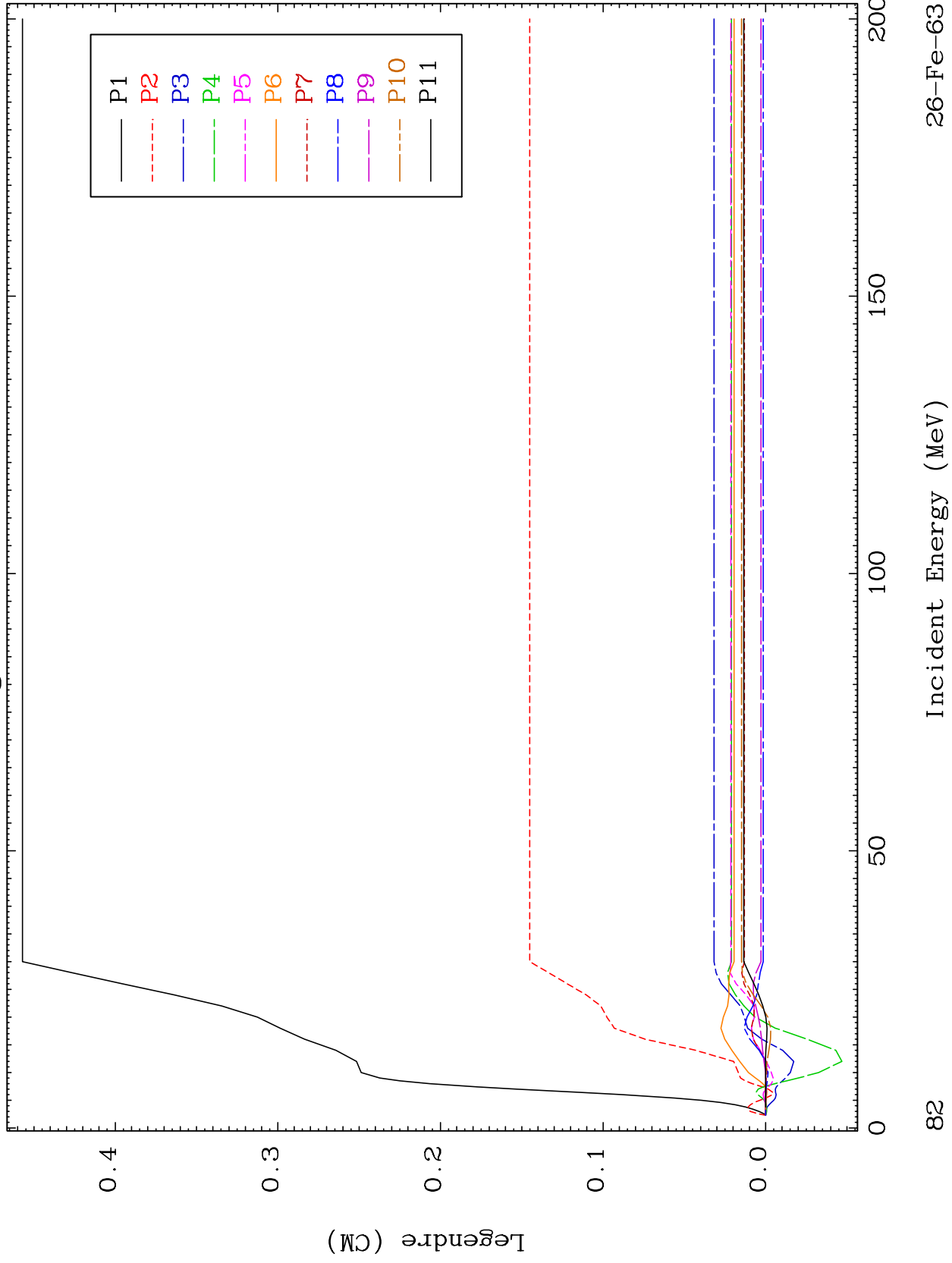
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



26-Fe-63

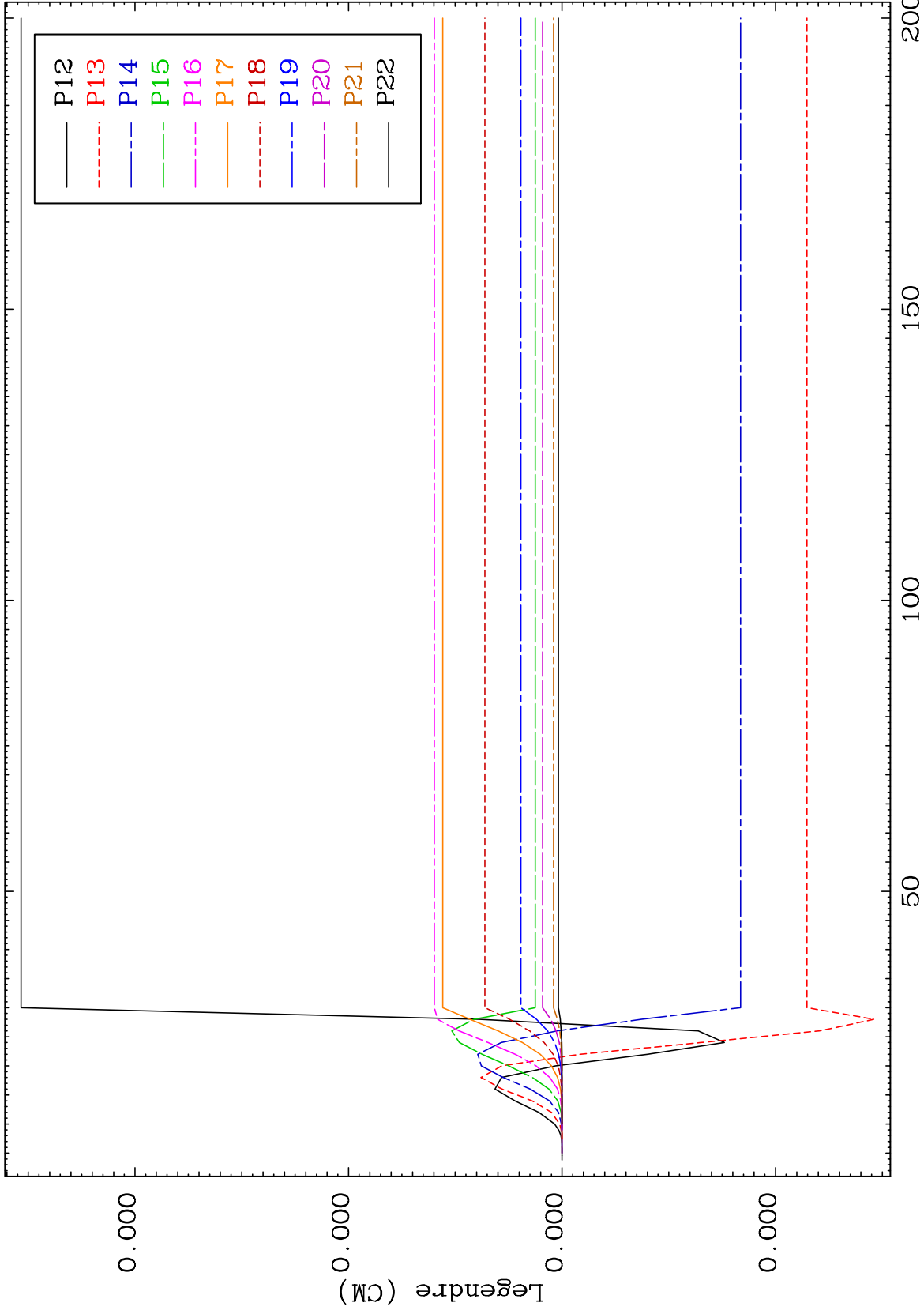
Incident Energy (MeV)

82

MAT 2652

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

26-Fe-63



83

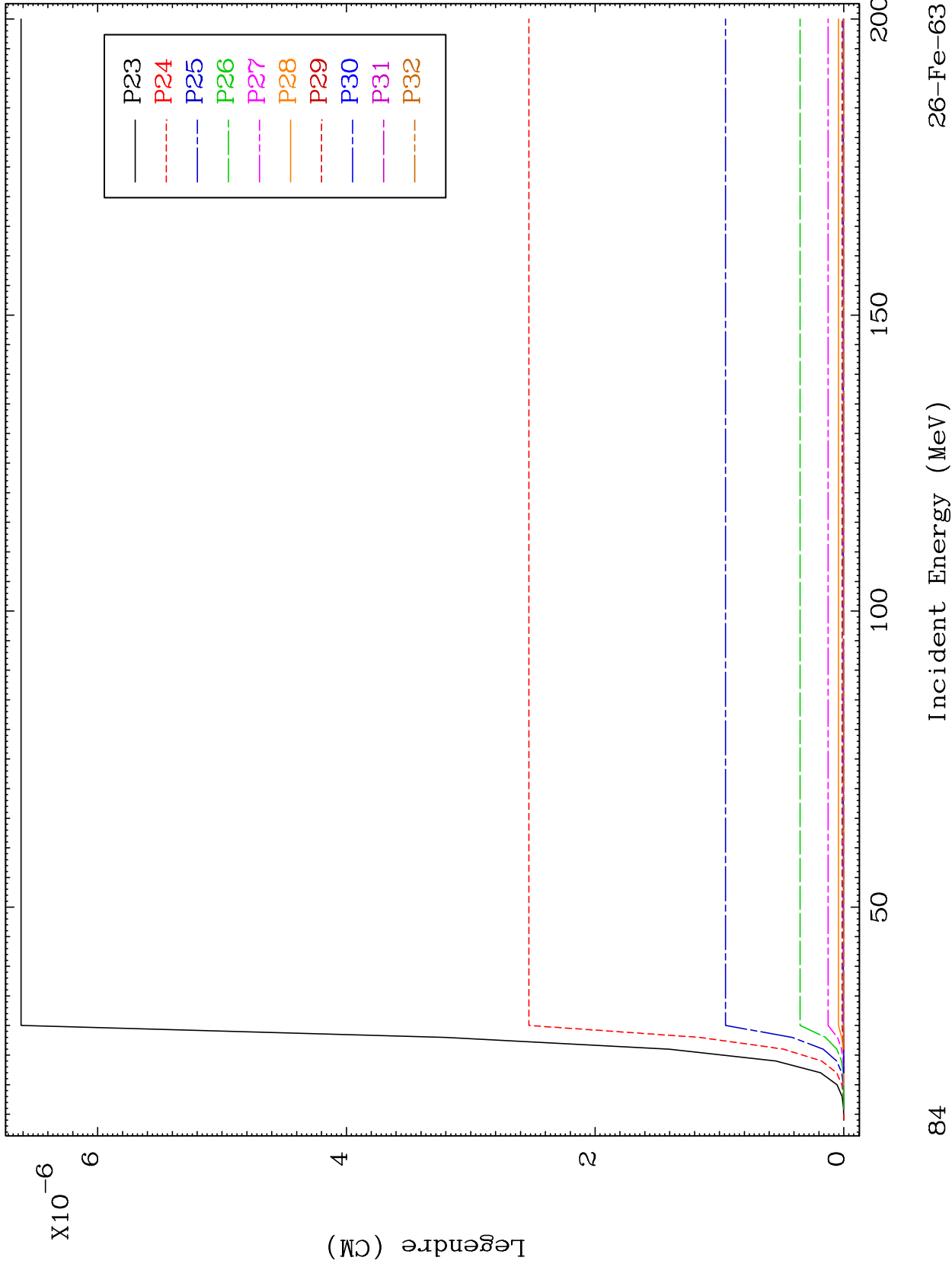
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

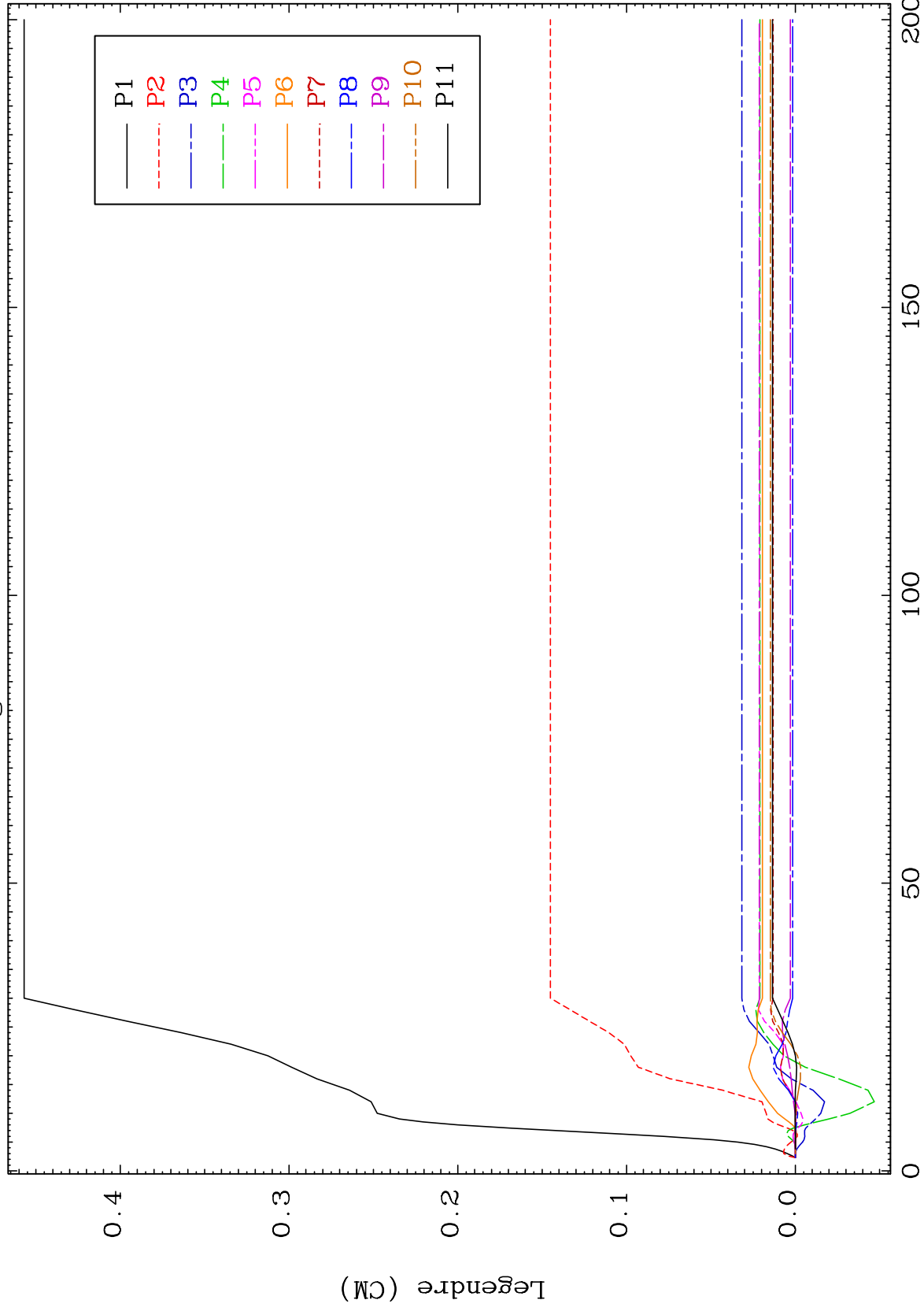
26-Fe-63



MAT 2652

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

26-Fe-63



85

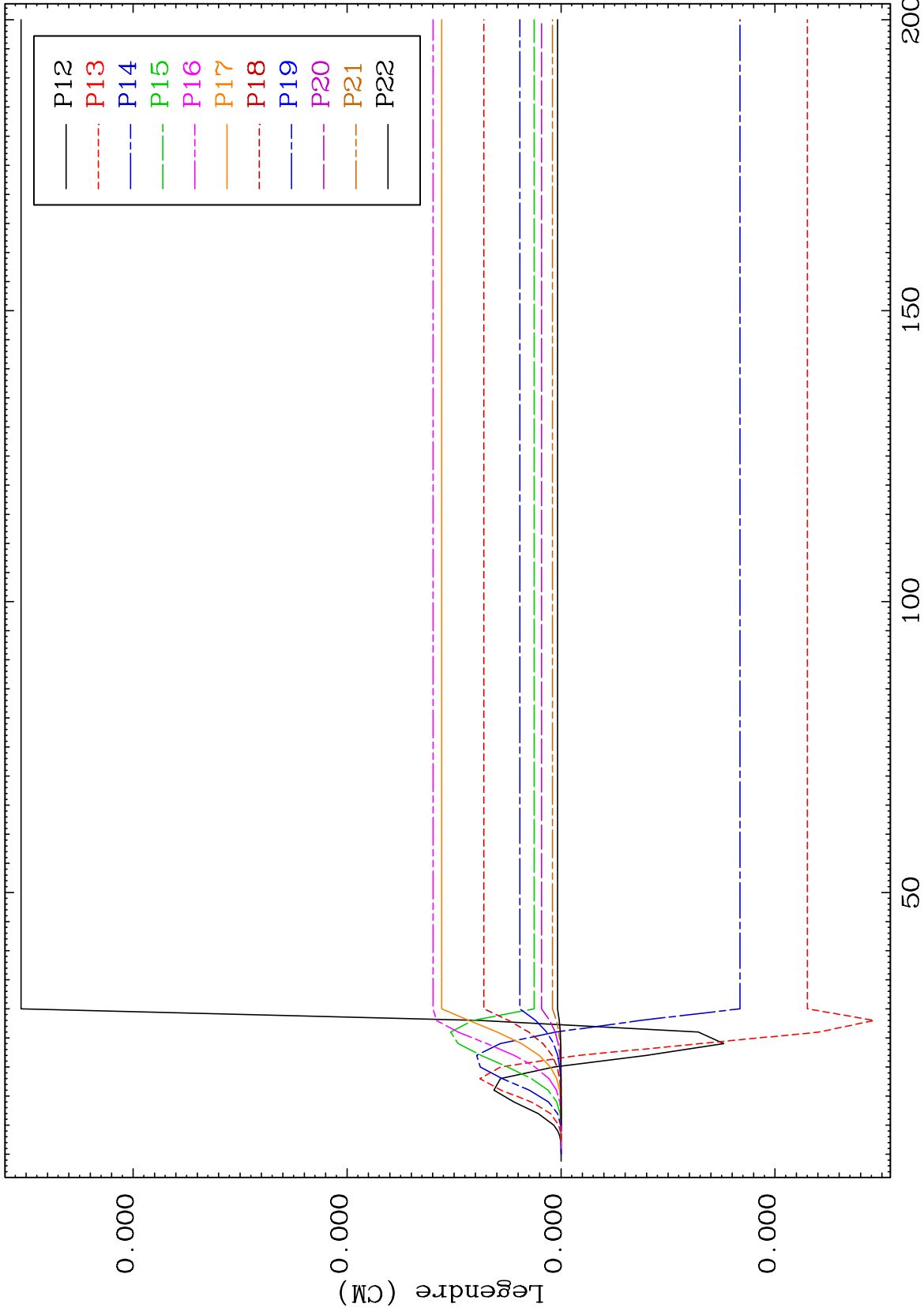
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



86

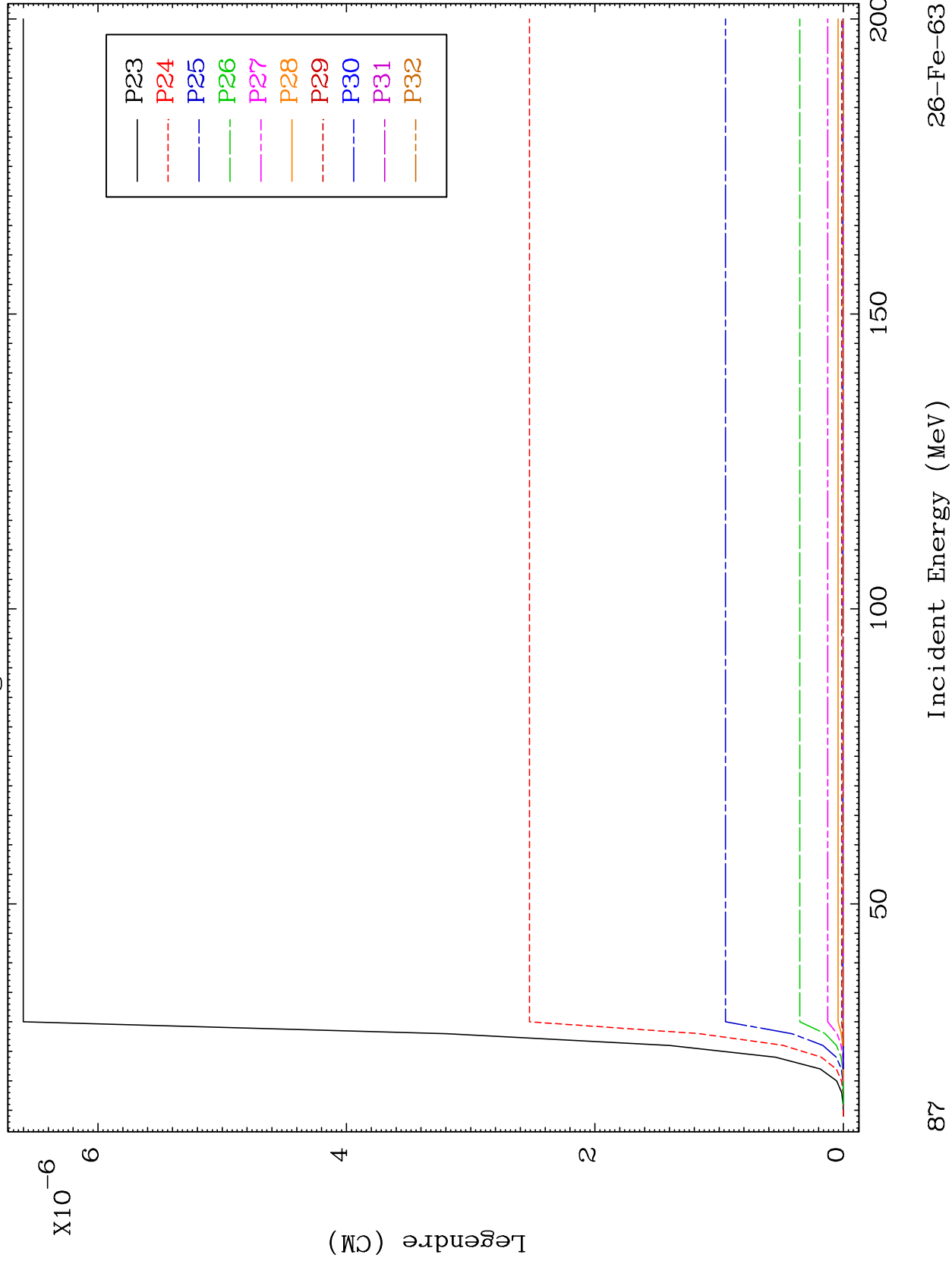
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

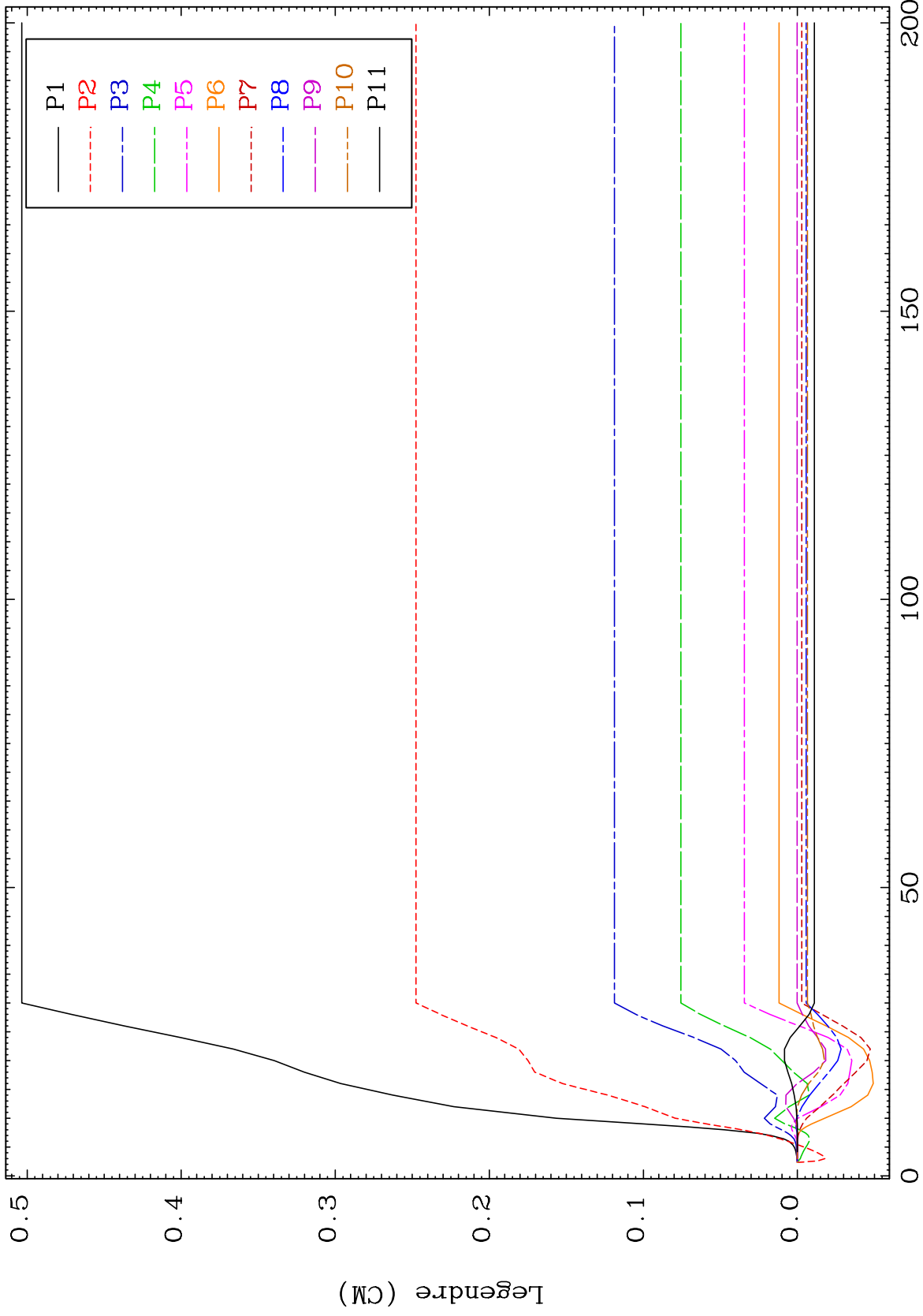
26-Fe-63



MAT 2652

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

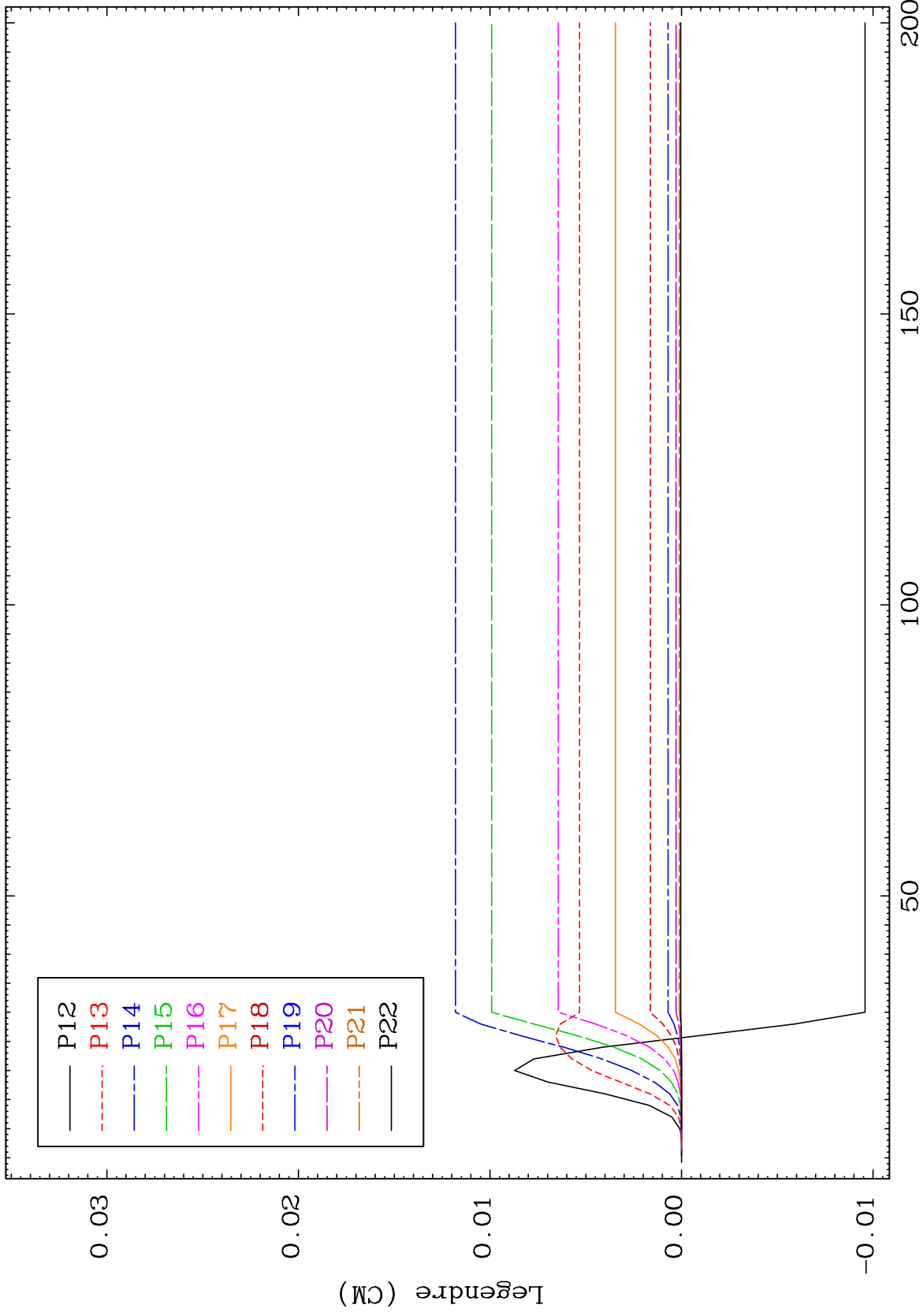
26-Fe-63



88

Incident Energy (MeV)

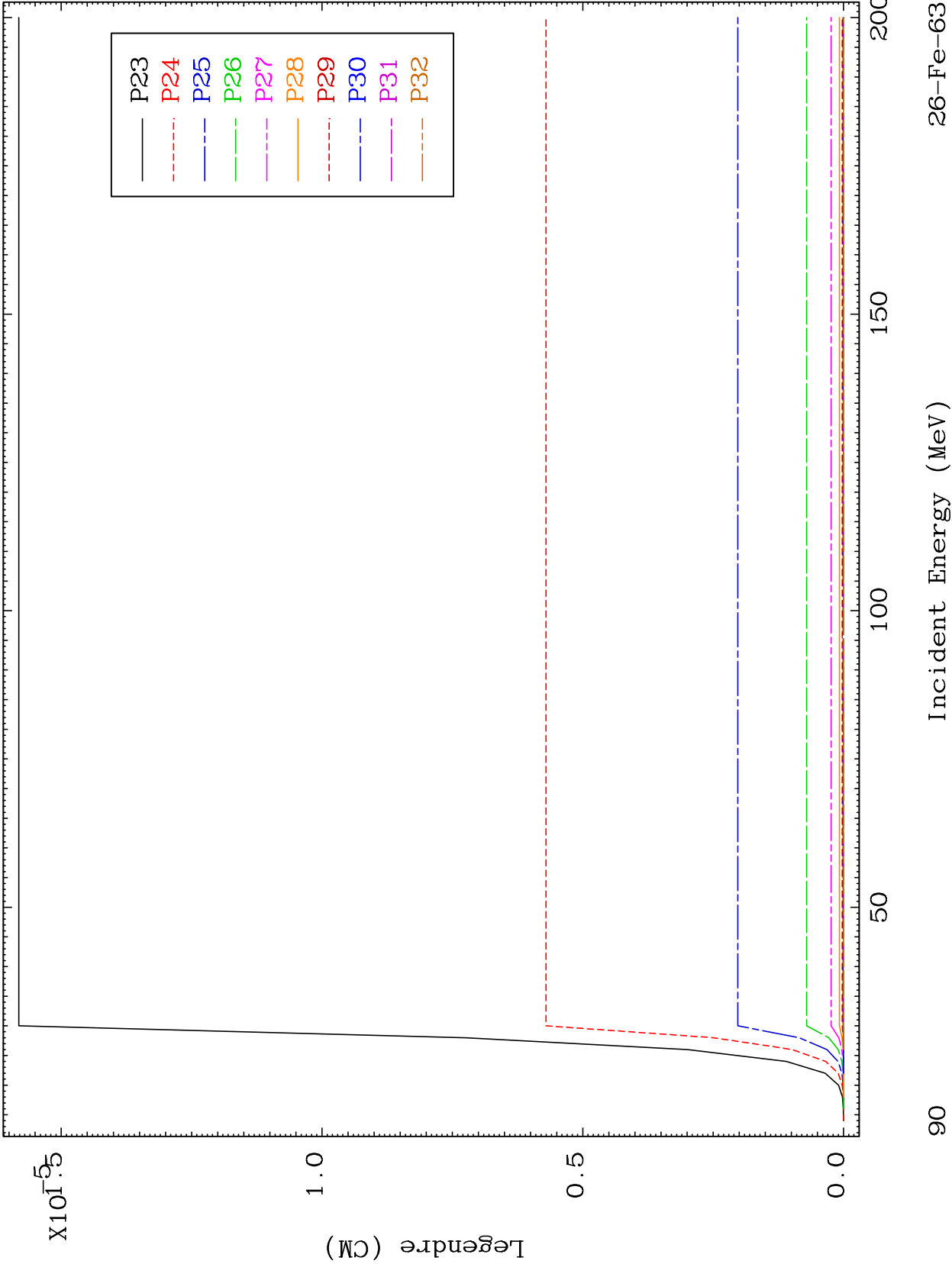
26-Fe-63

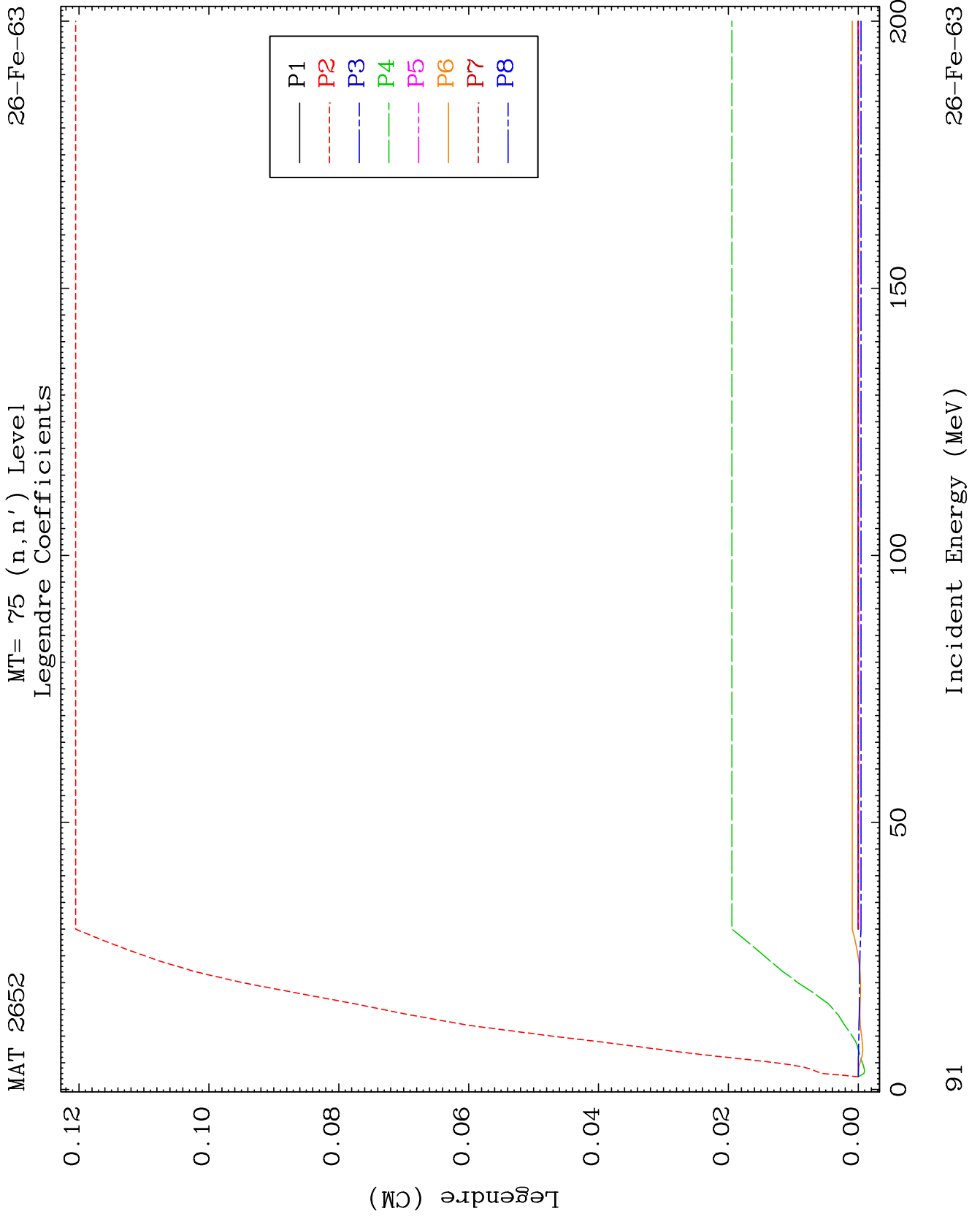


MAT 2652

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

26-Fe-63

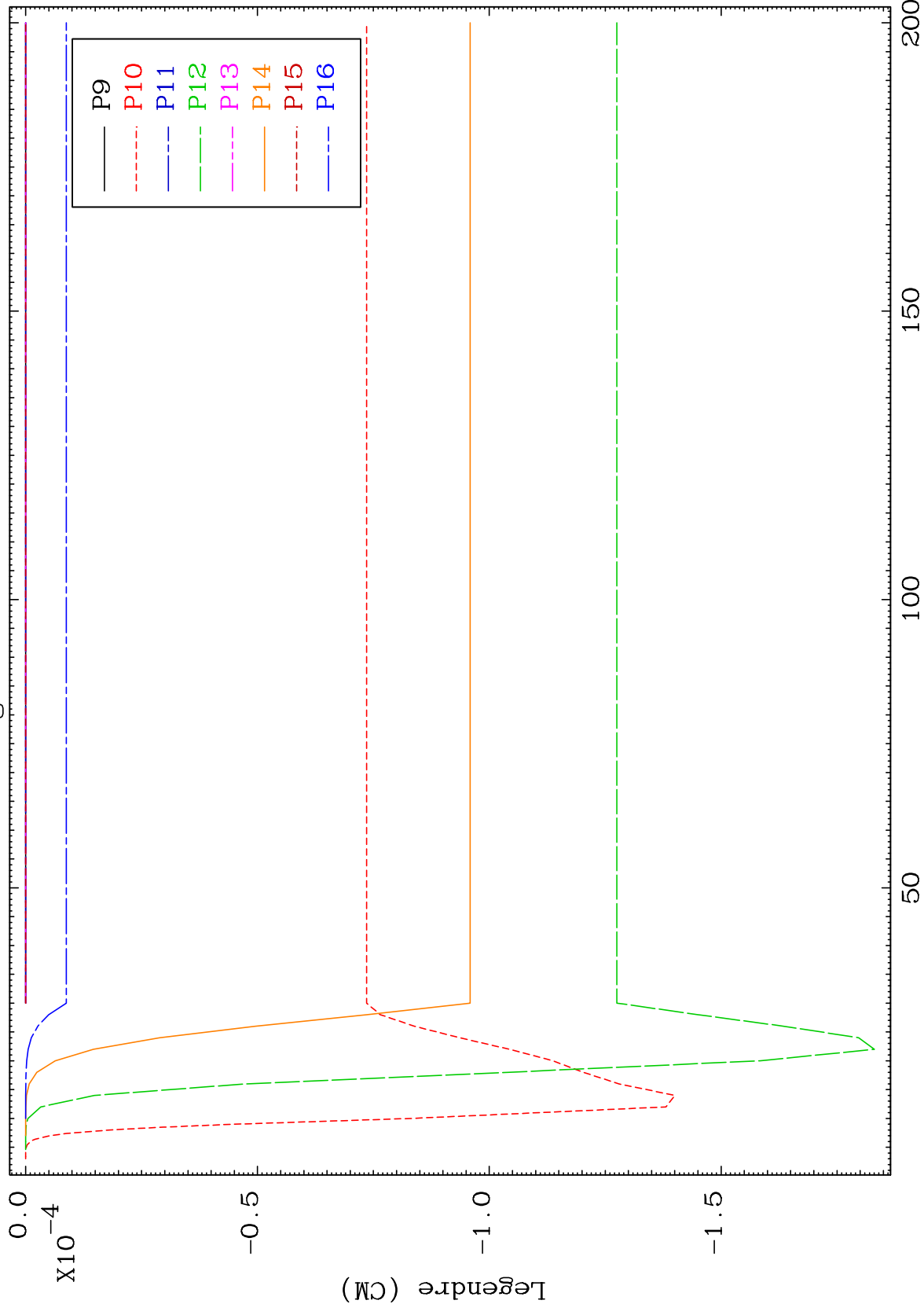




MAT 2652

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

26-Fe-63



26-Fe-63

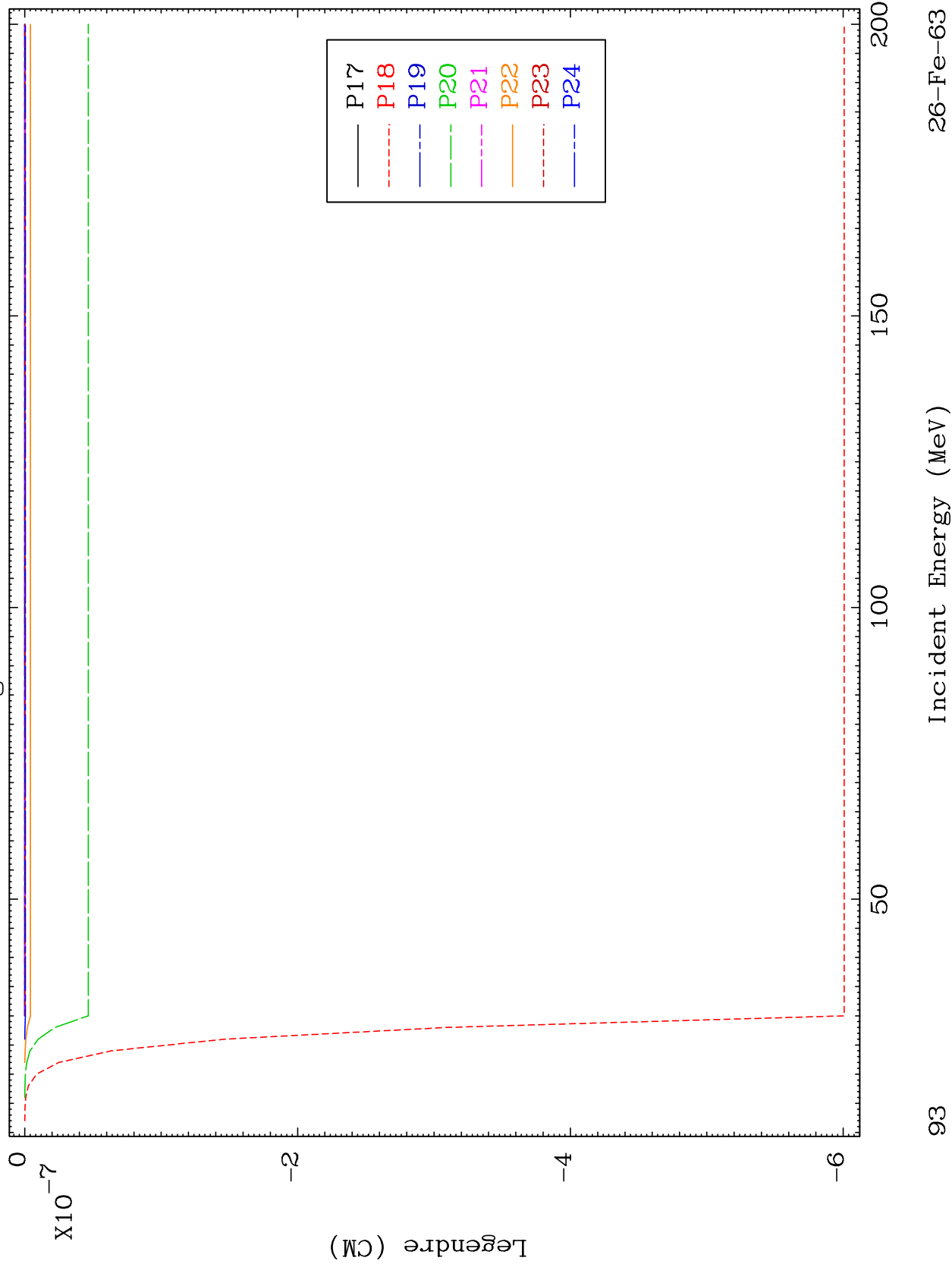
Incident Energy (MeV)

92

MAT 2652

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

²⁶Fe-63



93

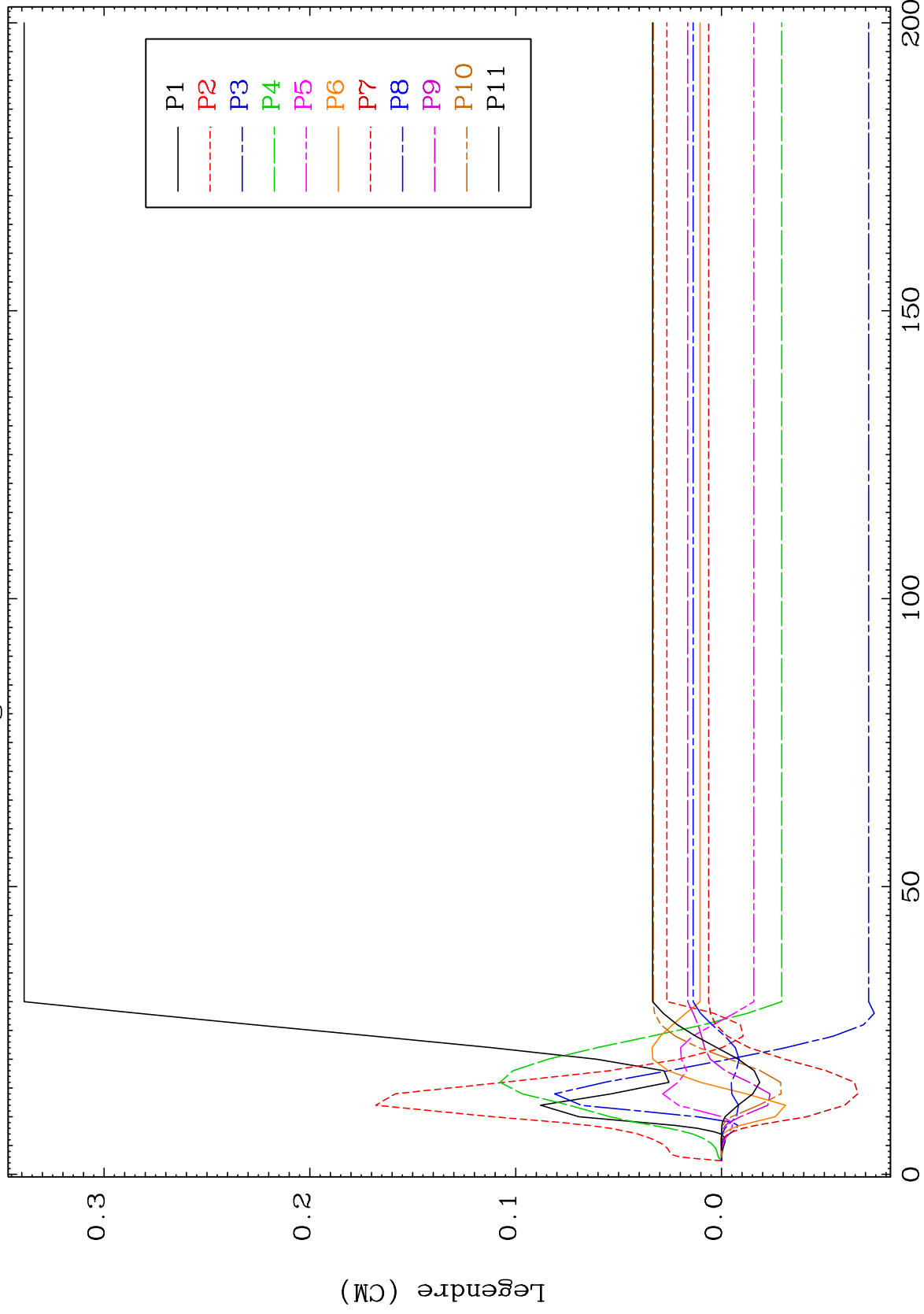
Incident Energy (MeV)

²⁶Fe-63

MAT 2652

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

26-Fe-63



94

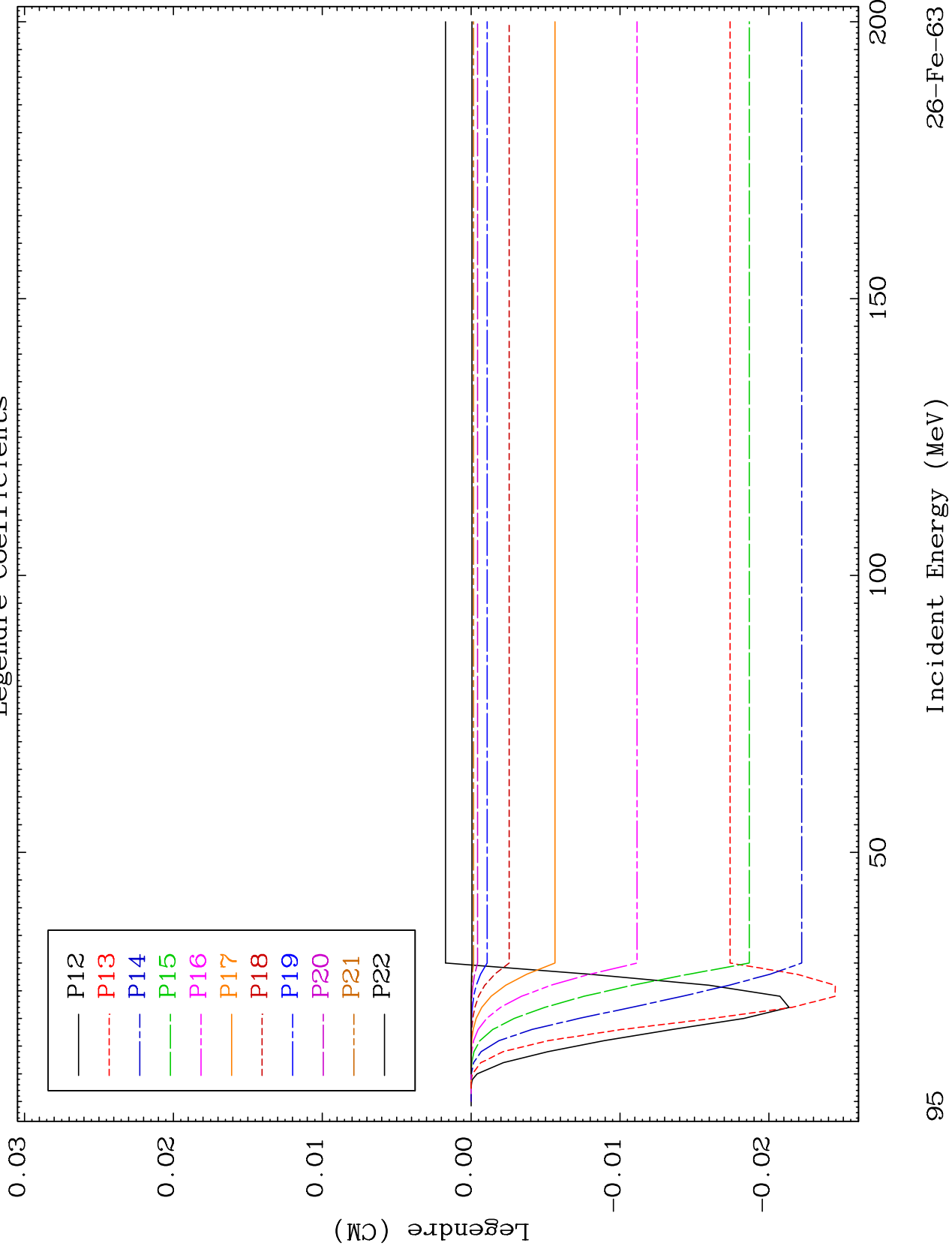
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63

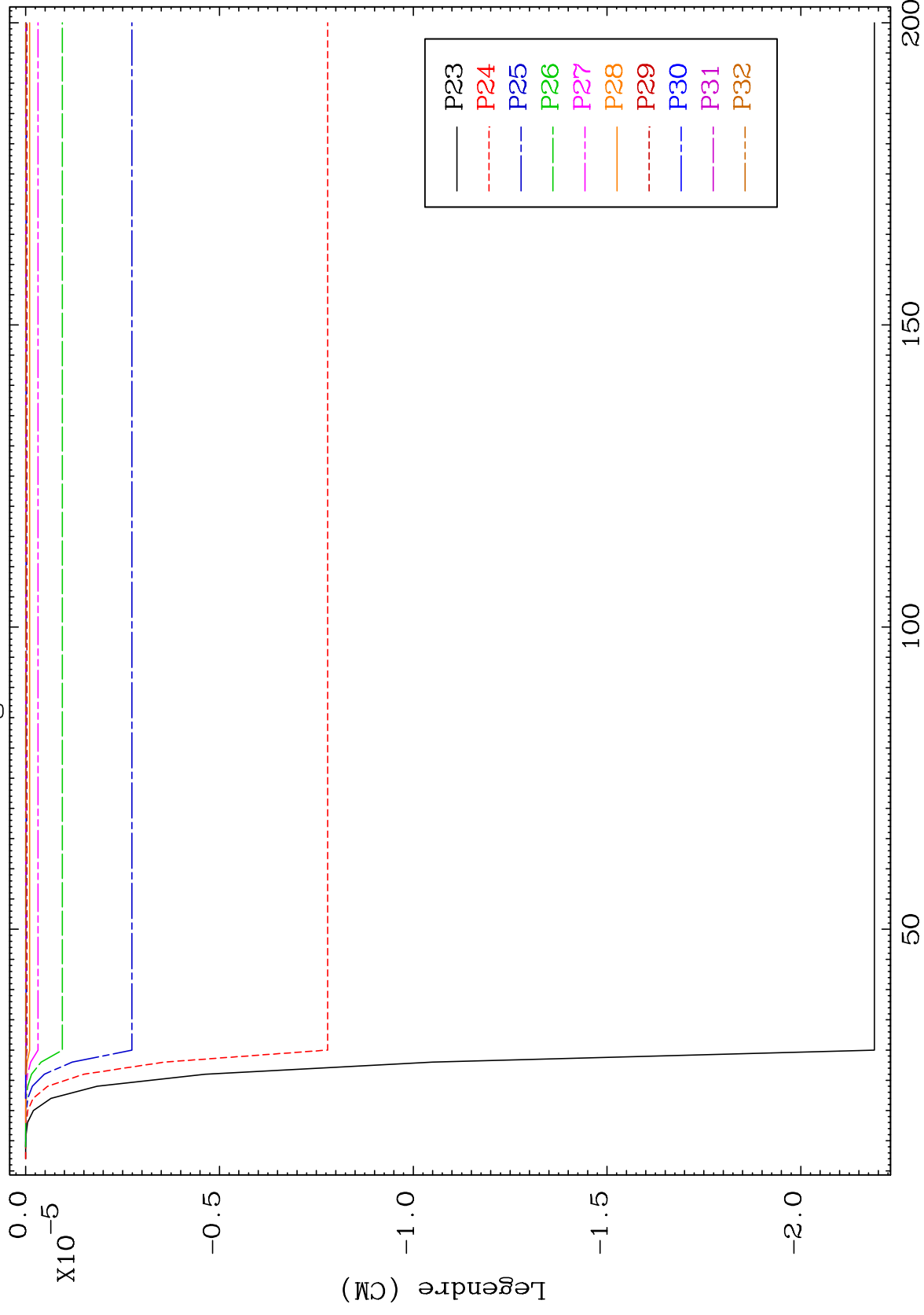


95

Incident Energy (MeV)

26-Fe-63

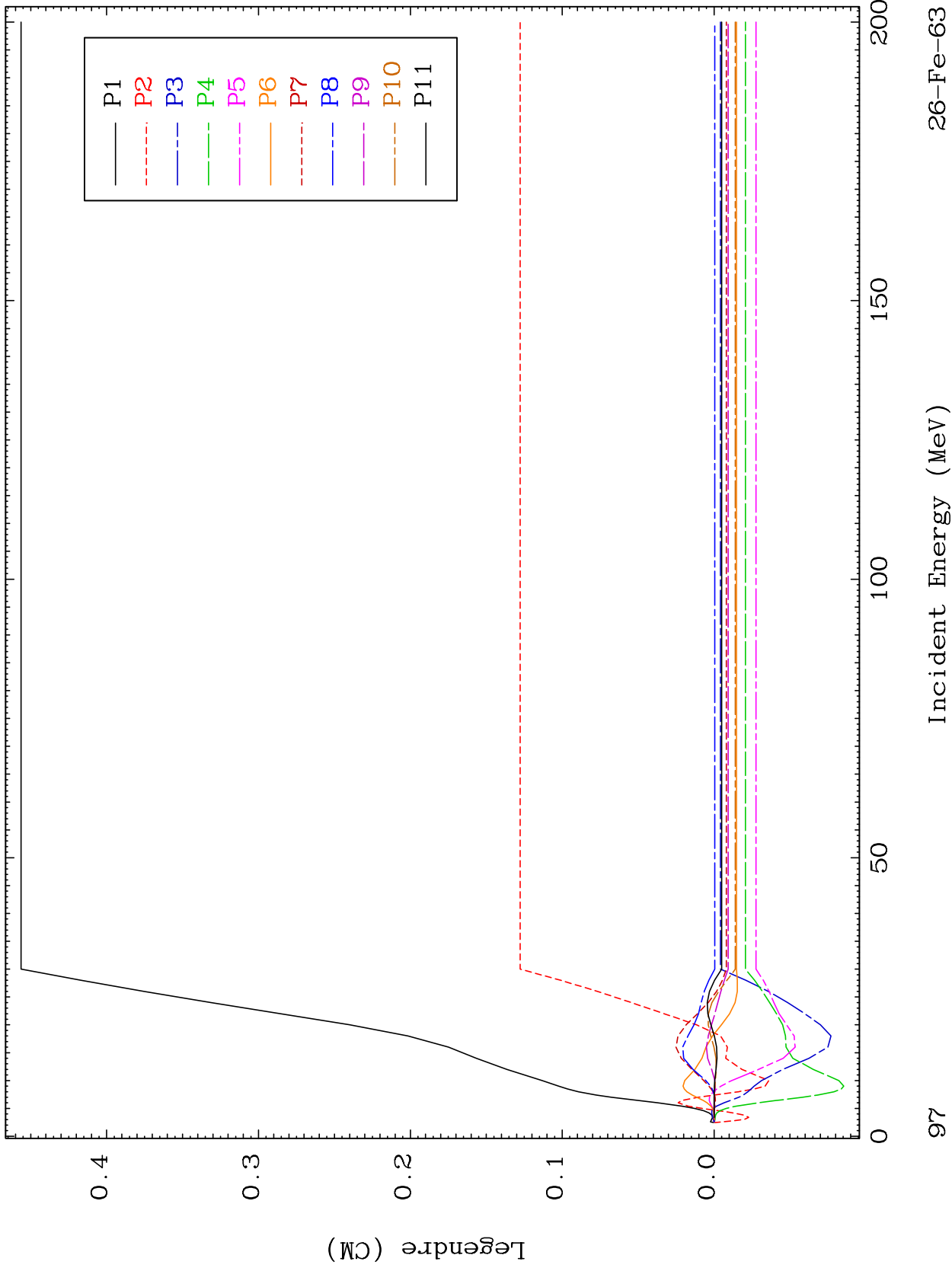
Legendre Coefficients



MAT 2652

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

26-Fe-63

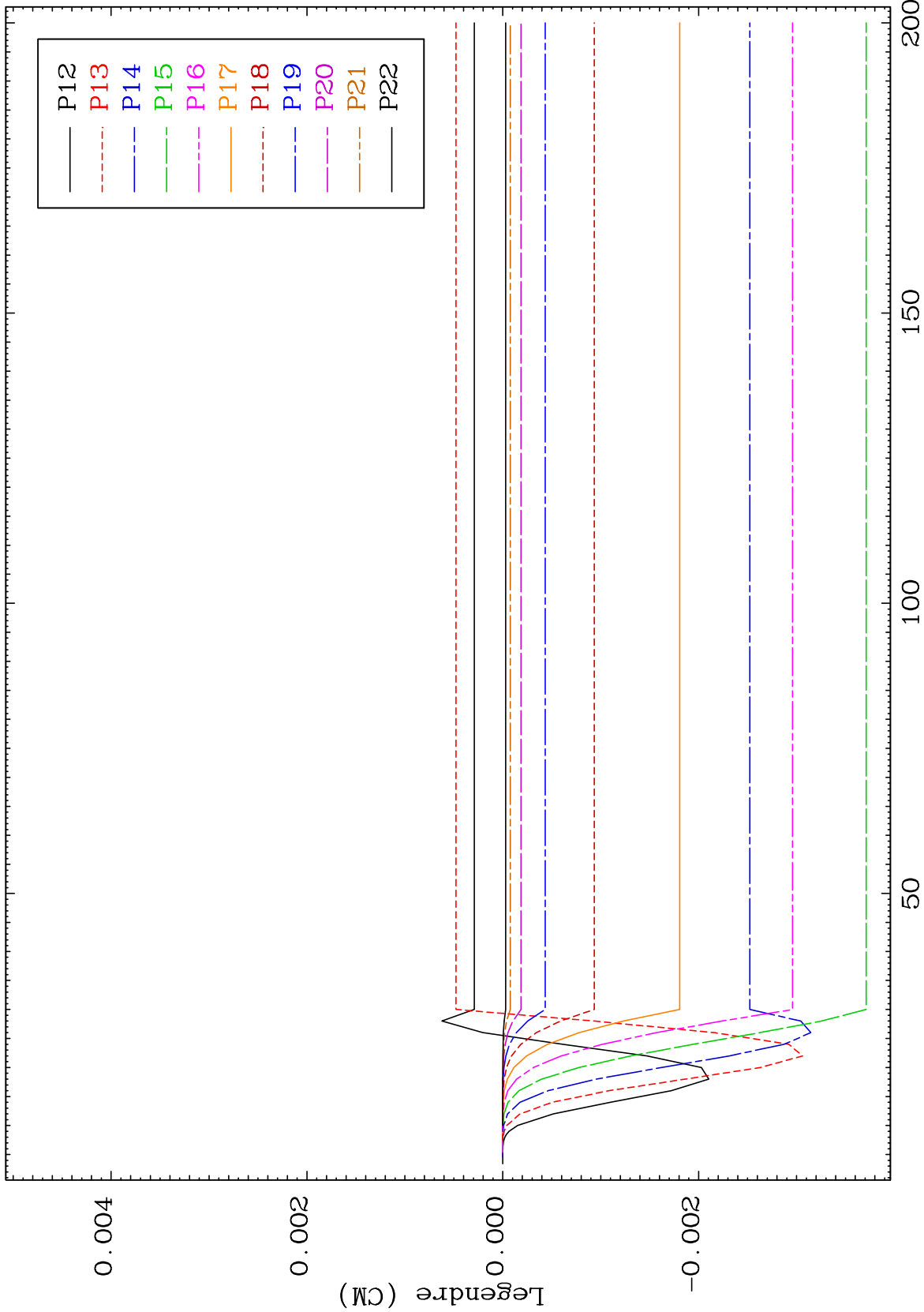


26-Fe-63

MAT 2652

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

26-Fe-63



98

Incident Energy (MeV)

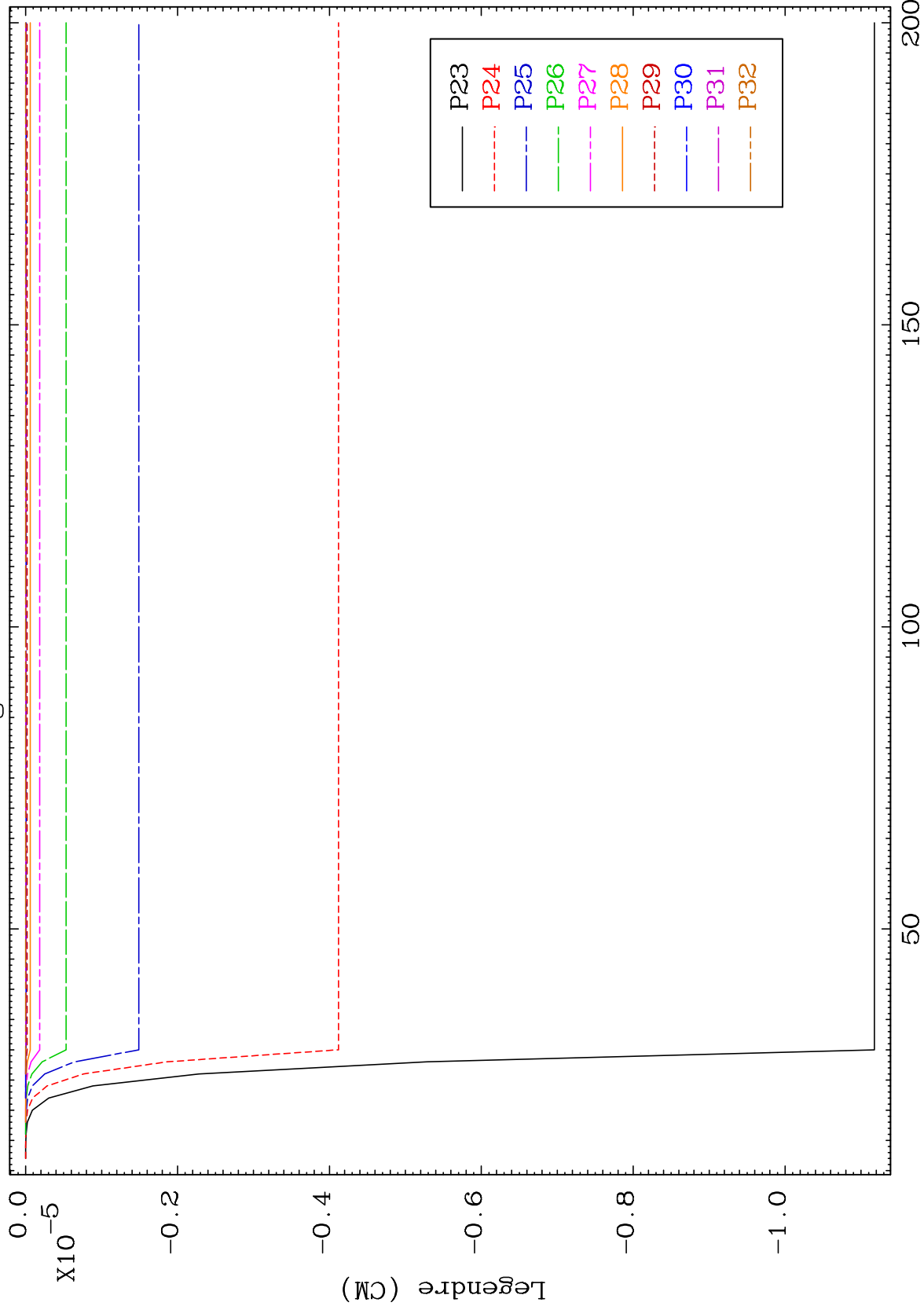
26-Fe-63

MAT 2652

MT= 77 (n,n') Level

26-Fe-63

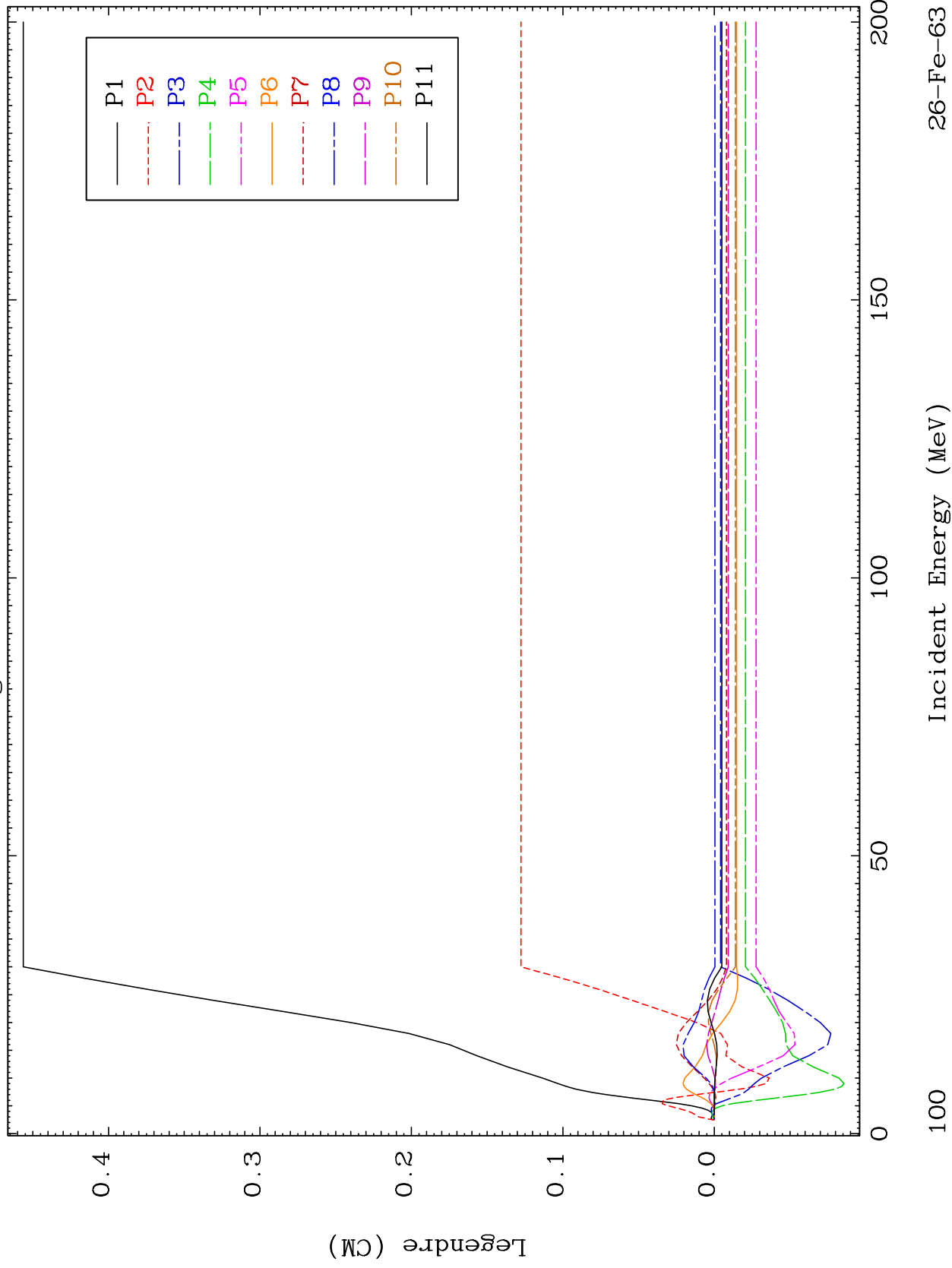
Legendre Coefficients



MAT 2652

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

26-Fe-63

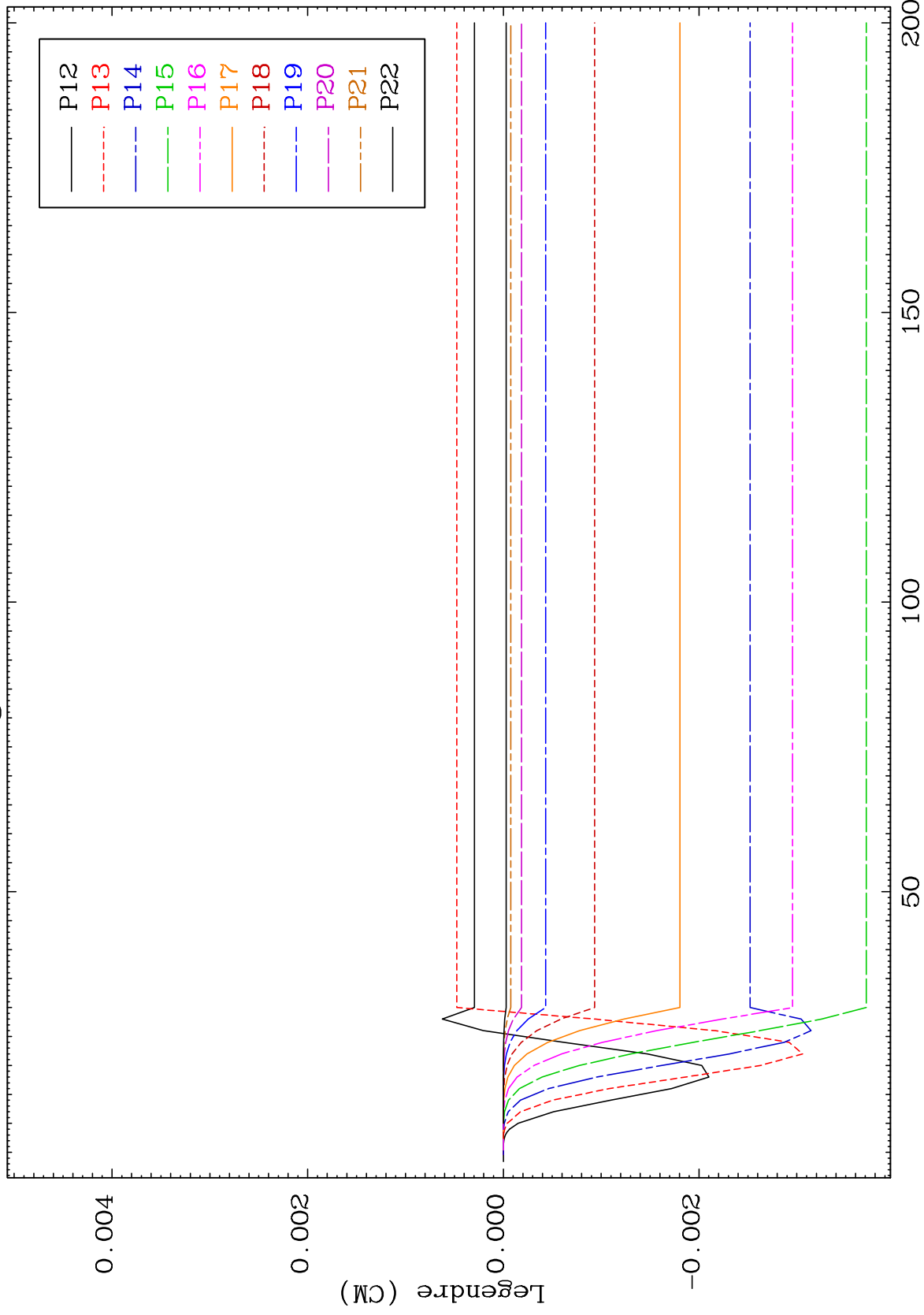


26-Fe-63

MAT 2652

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

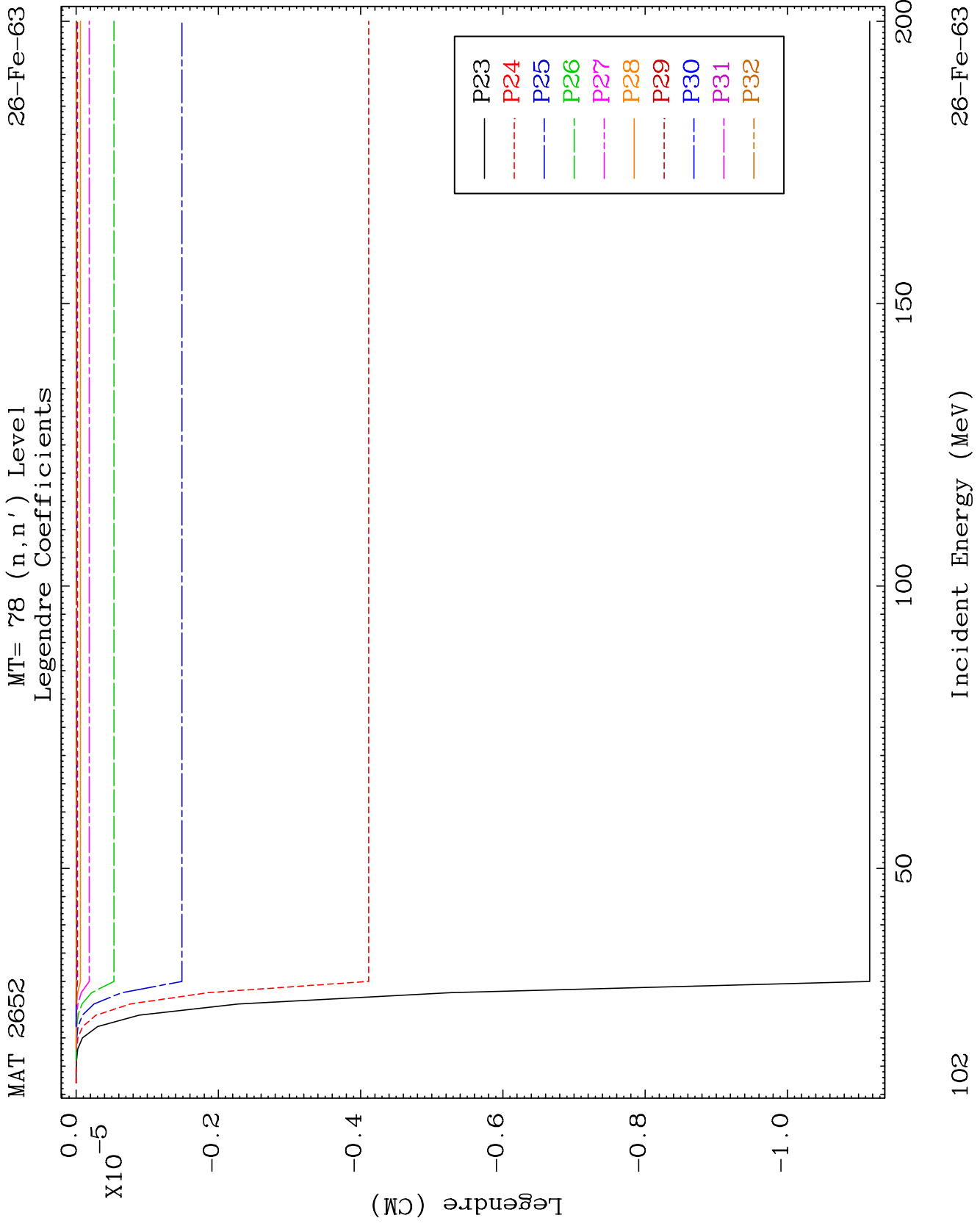
26-Fe-63



101

Incident Energy (MeV)

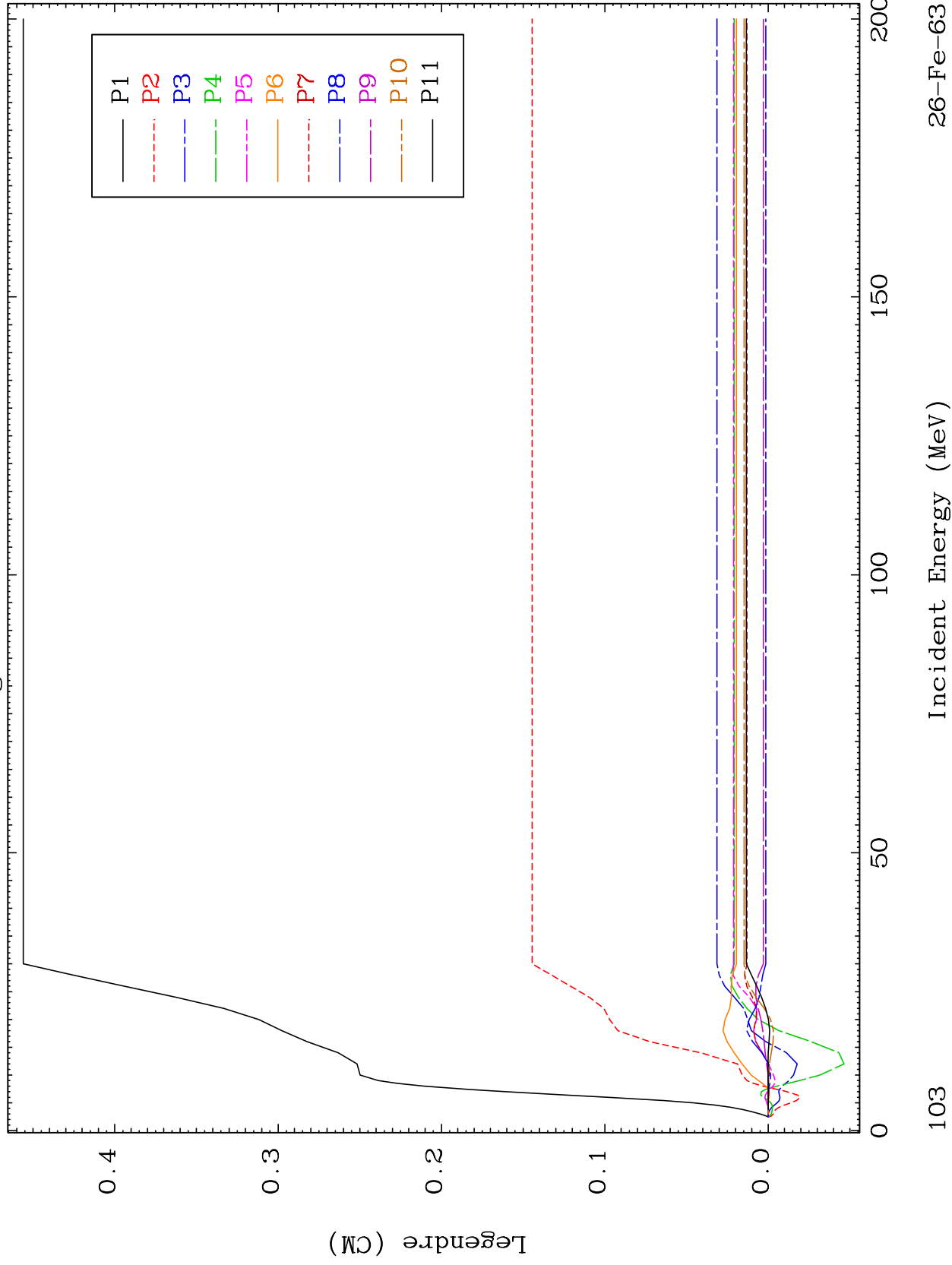
26-Fe-63



MAT 2652

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

26-Fe-63



26-Fe-63

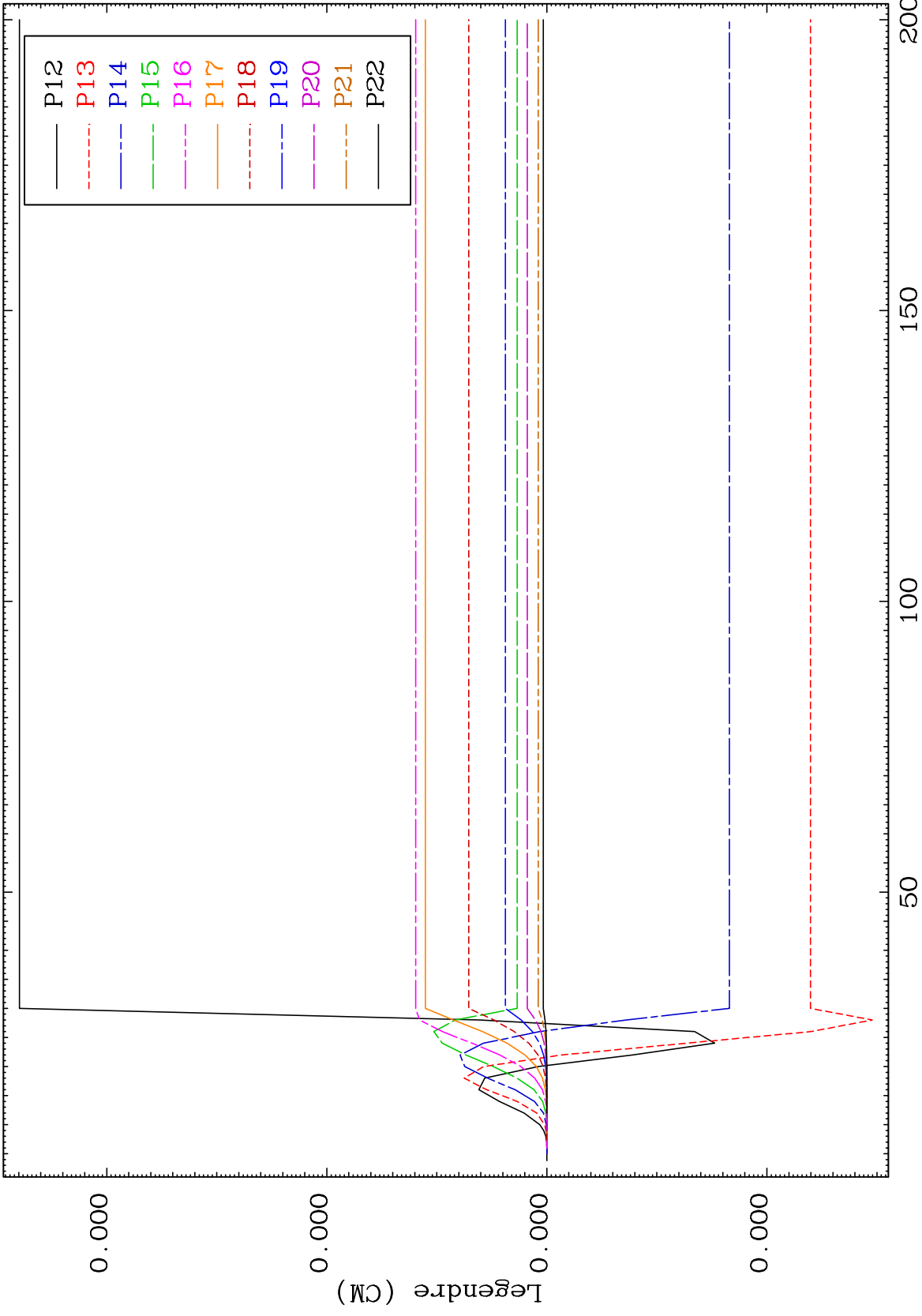
Incident Energy (MeV)

103

MAT 2652

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

26-Fe-63



104

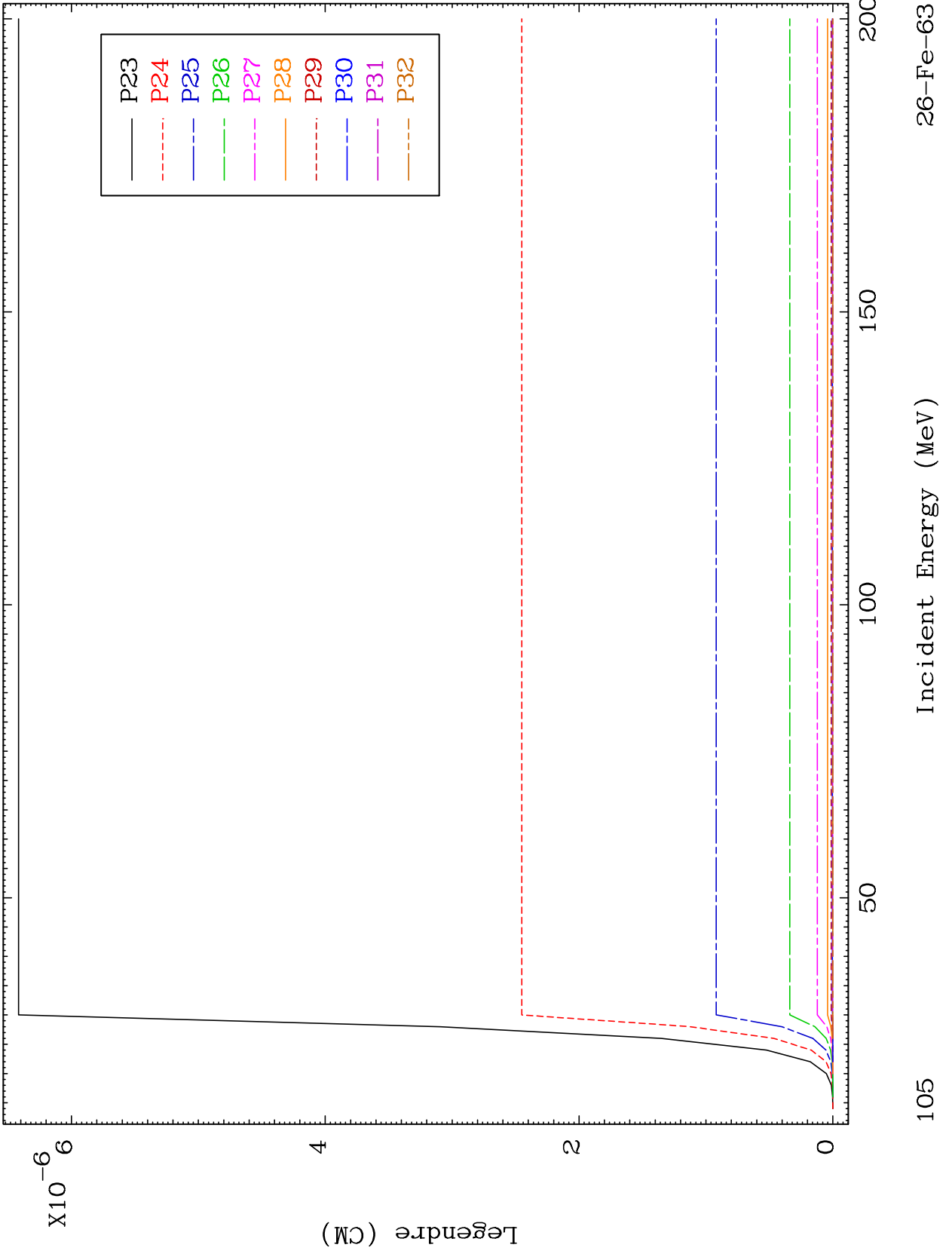
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



105

50

100

150

200

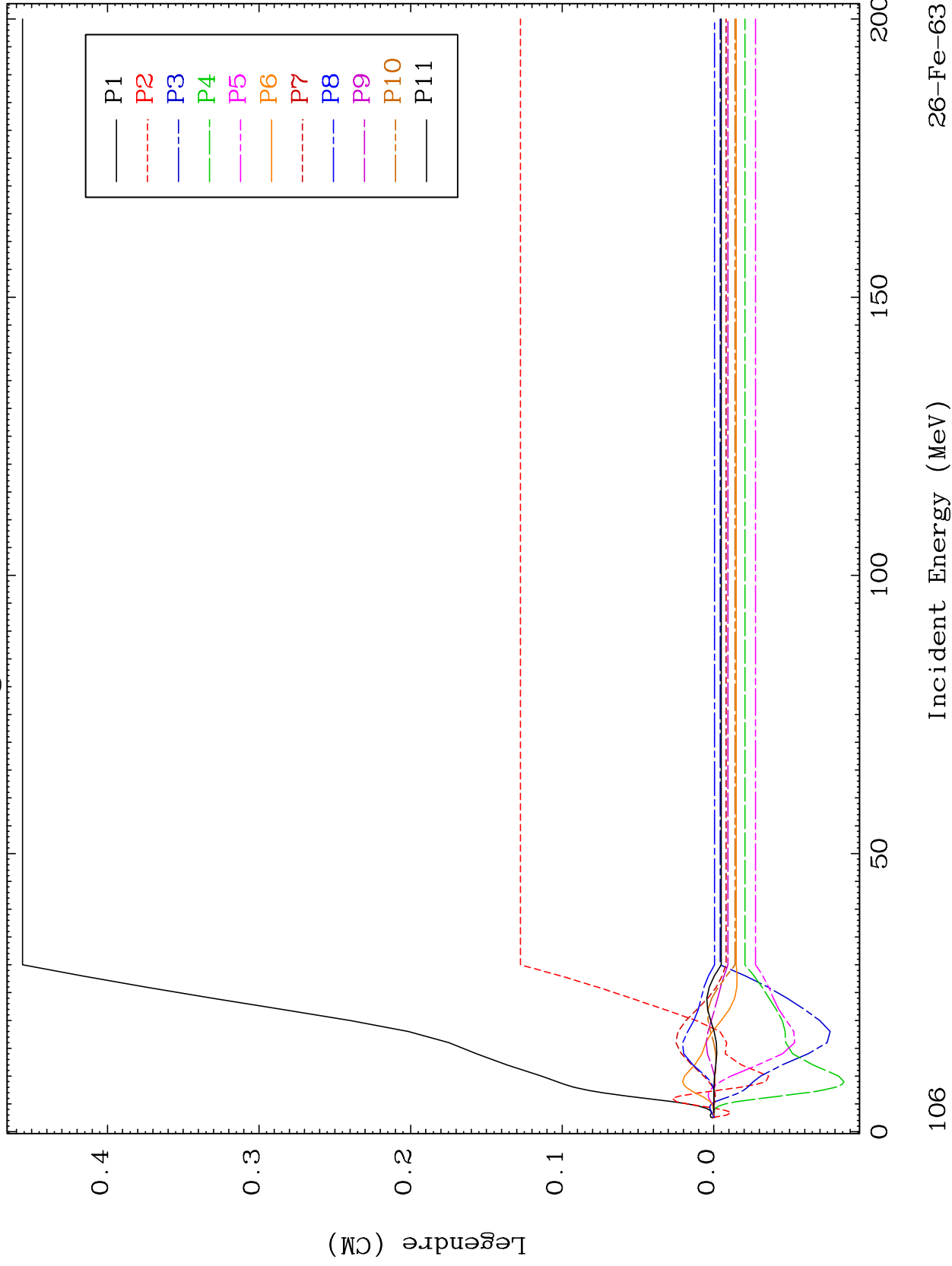
Incident Energy (MeV)

26-Fe-63

MAT 2652

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

26-Fe-63



26-Fe-63

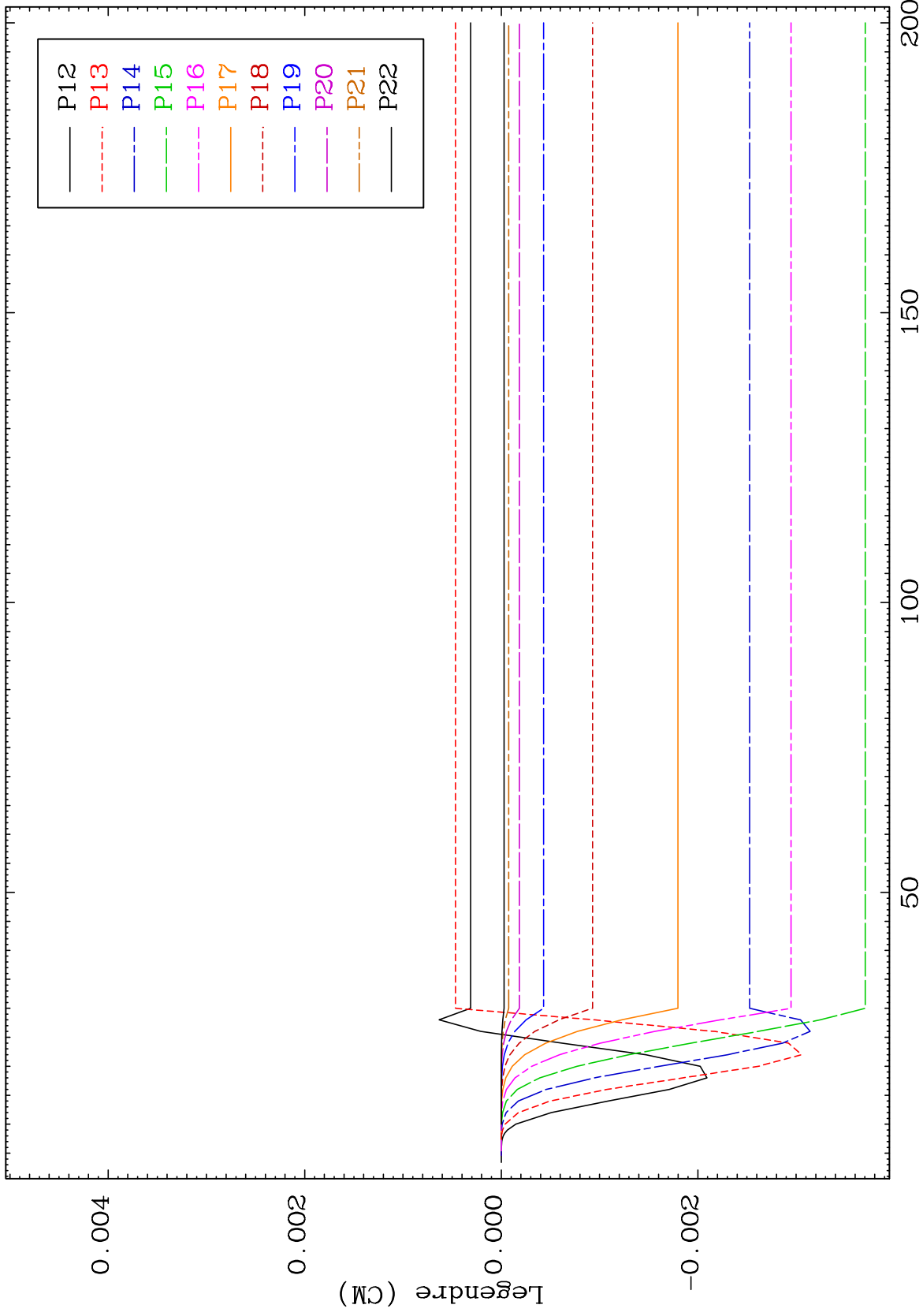
Incident Energy (MeV)

106

MAT 2652

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

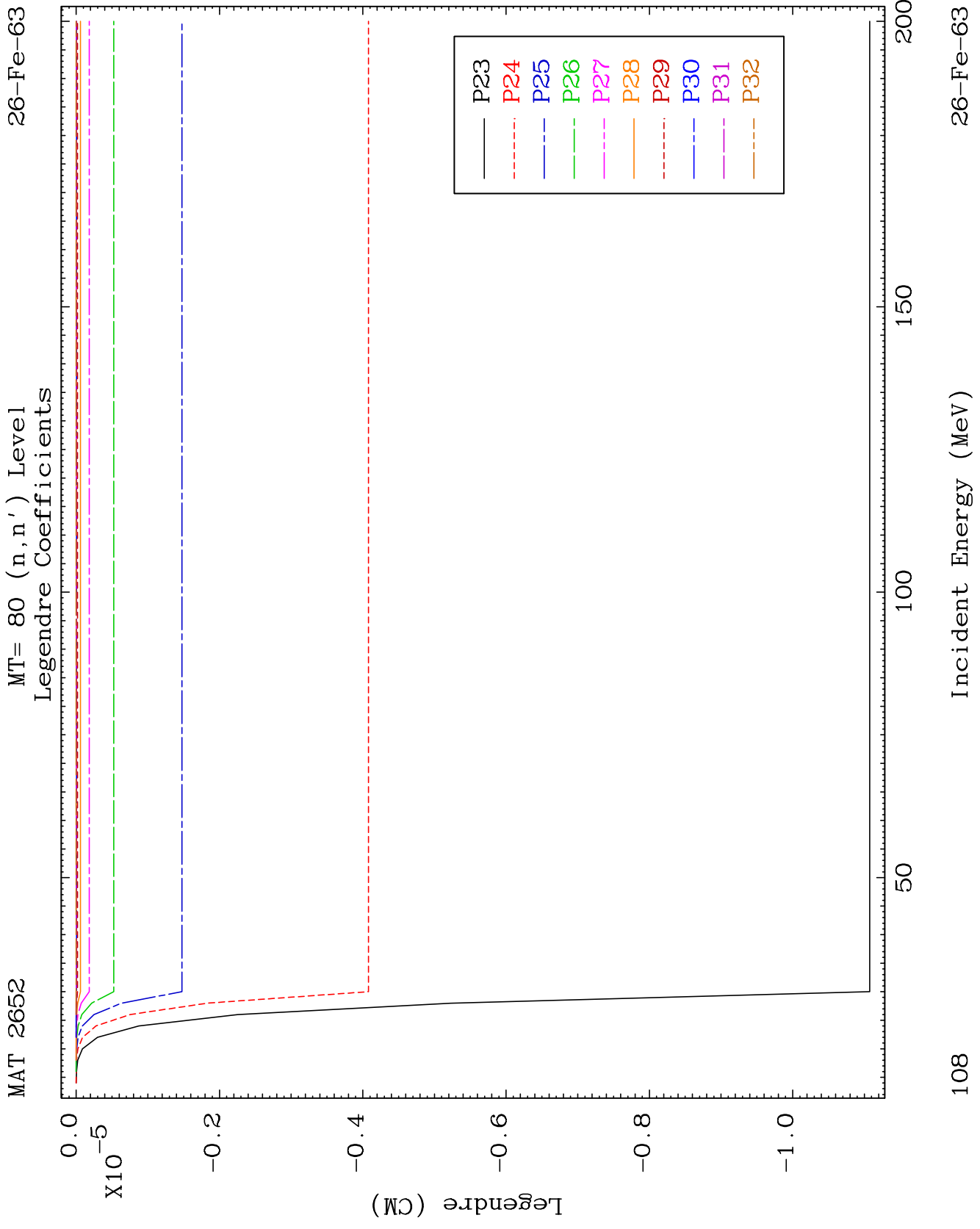
26-Fe-63



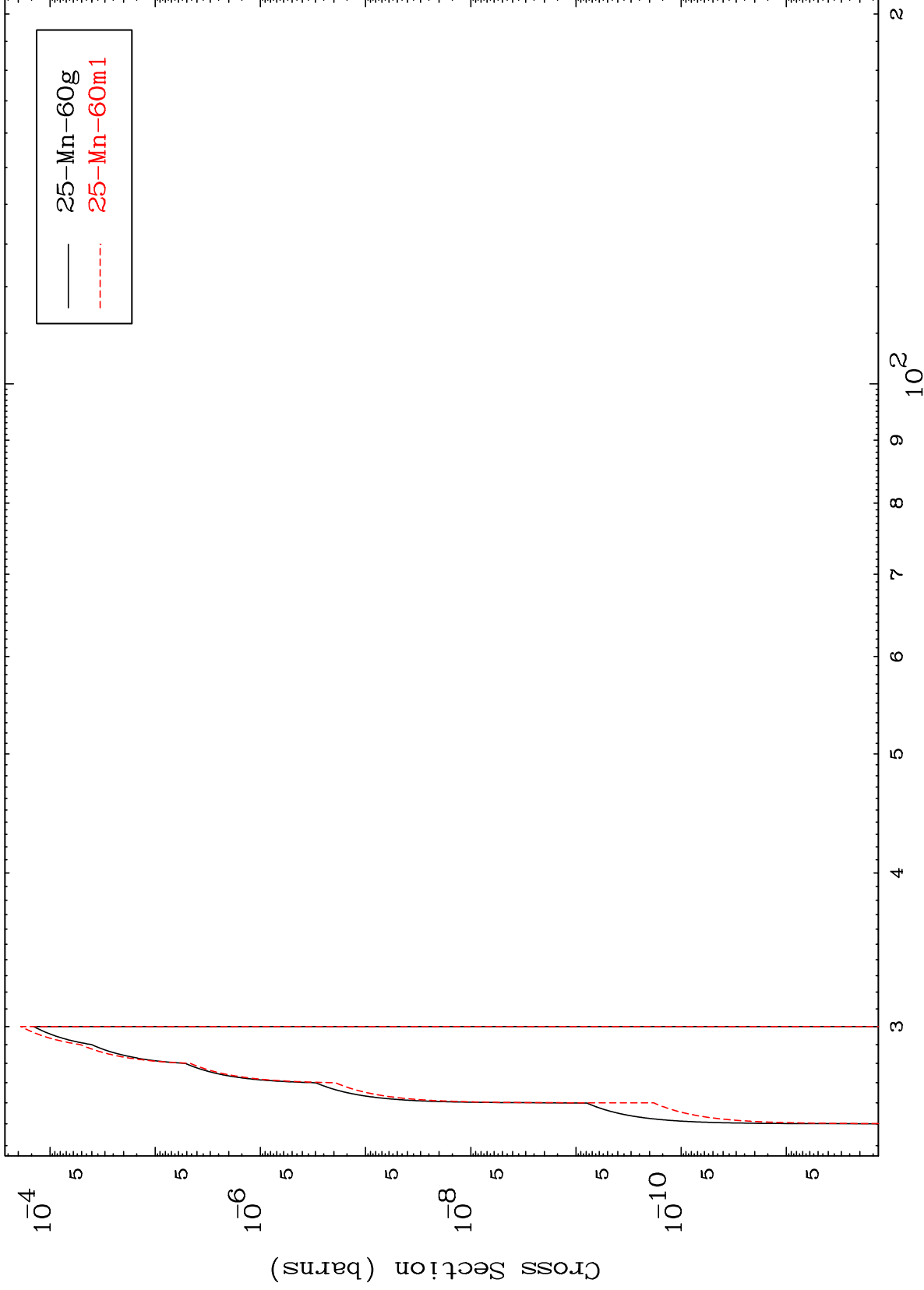
107

Incident Energy (MeV)

26-Fe-63



Radionuclide Production Cross Section



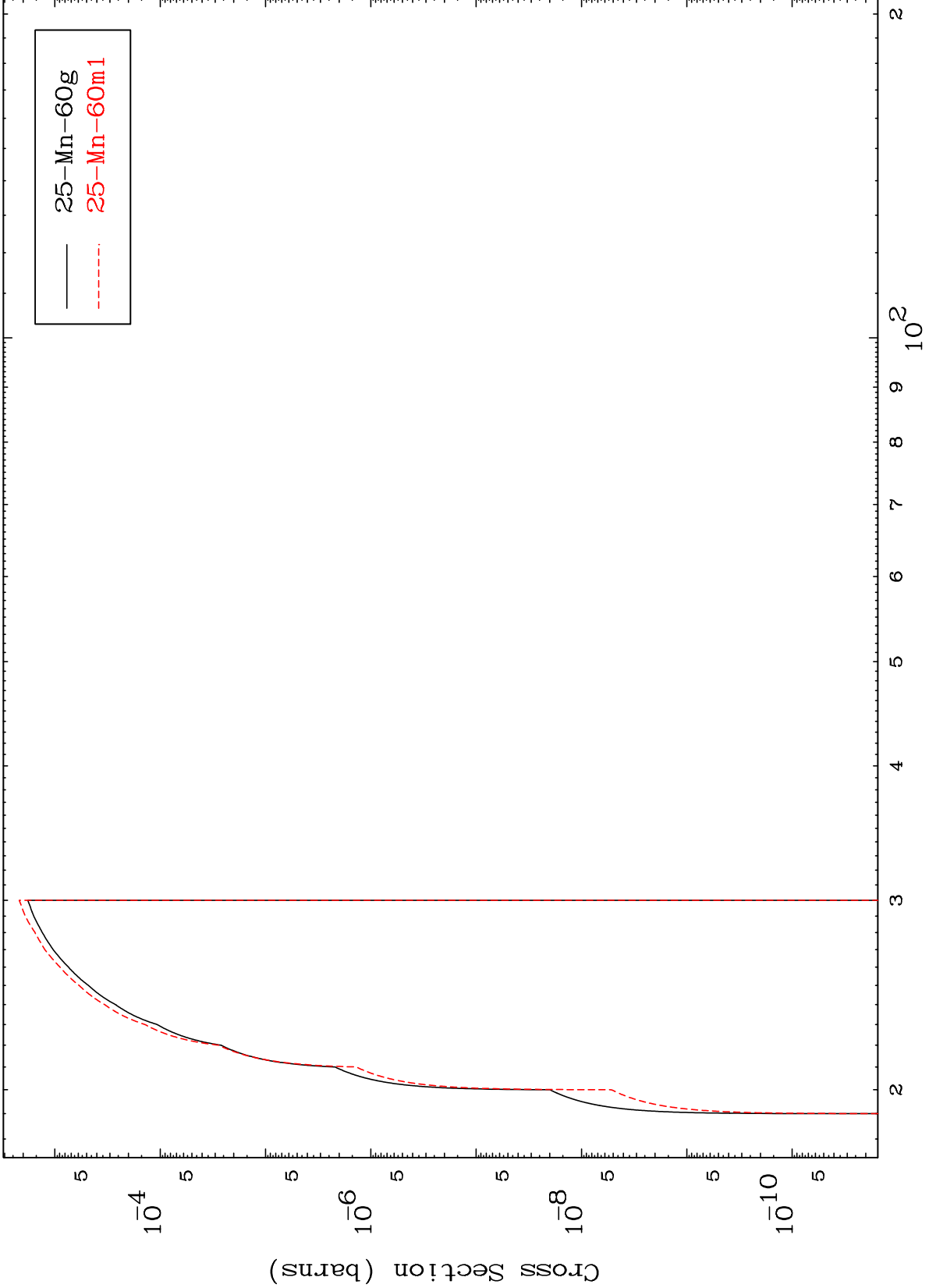
25-Mn-60g
25-Mn-60m1

MAT 2652

(n,n') t

26-Fe-63

Radionuclide Production Cross Section



110

Incident Energy (MeV)

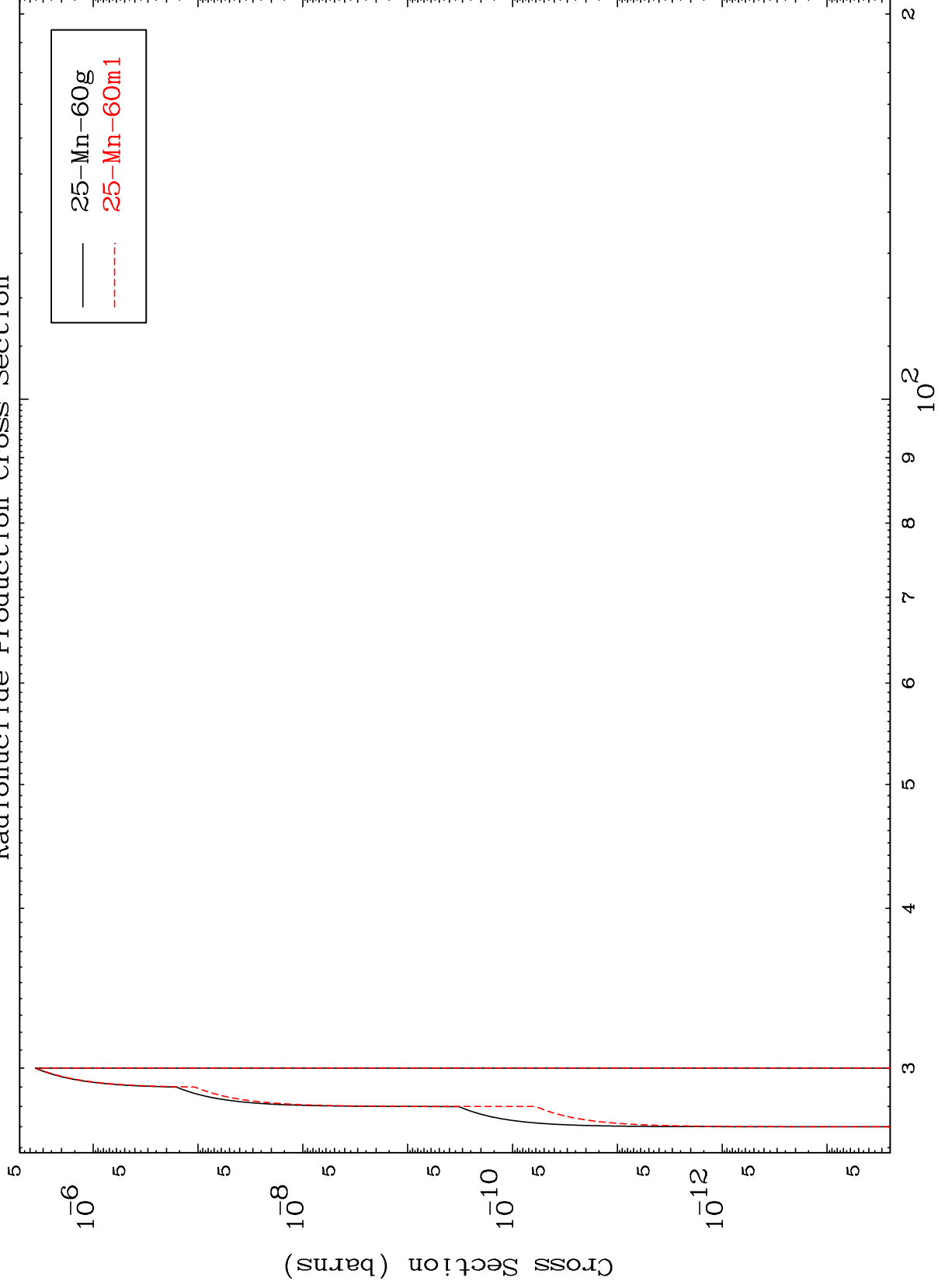
26-Fe-63

MAT 2652

(n,3n) p

²⁶Fe-63

Radionuclide Production Cross Section



111

Incident Energy (MeV)

²⁶Fe-63