

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

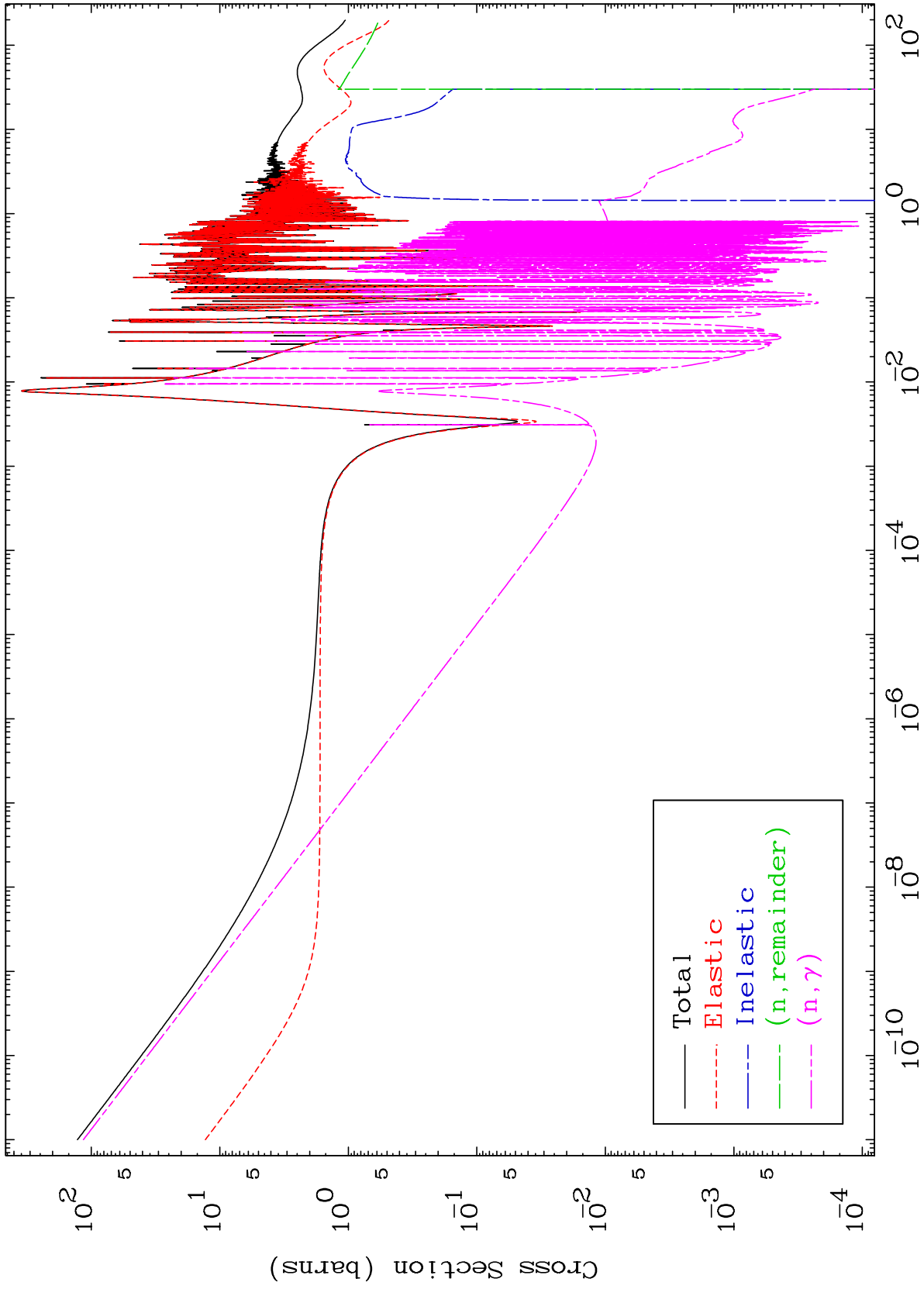
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

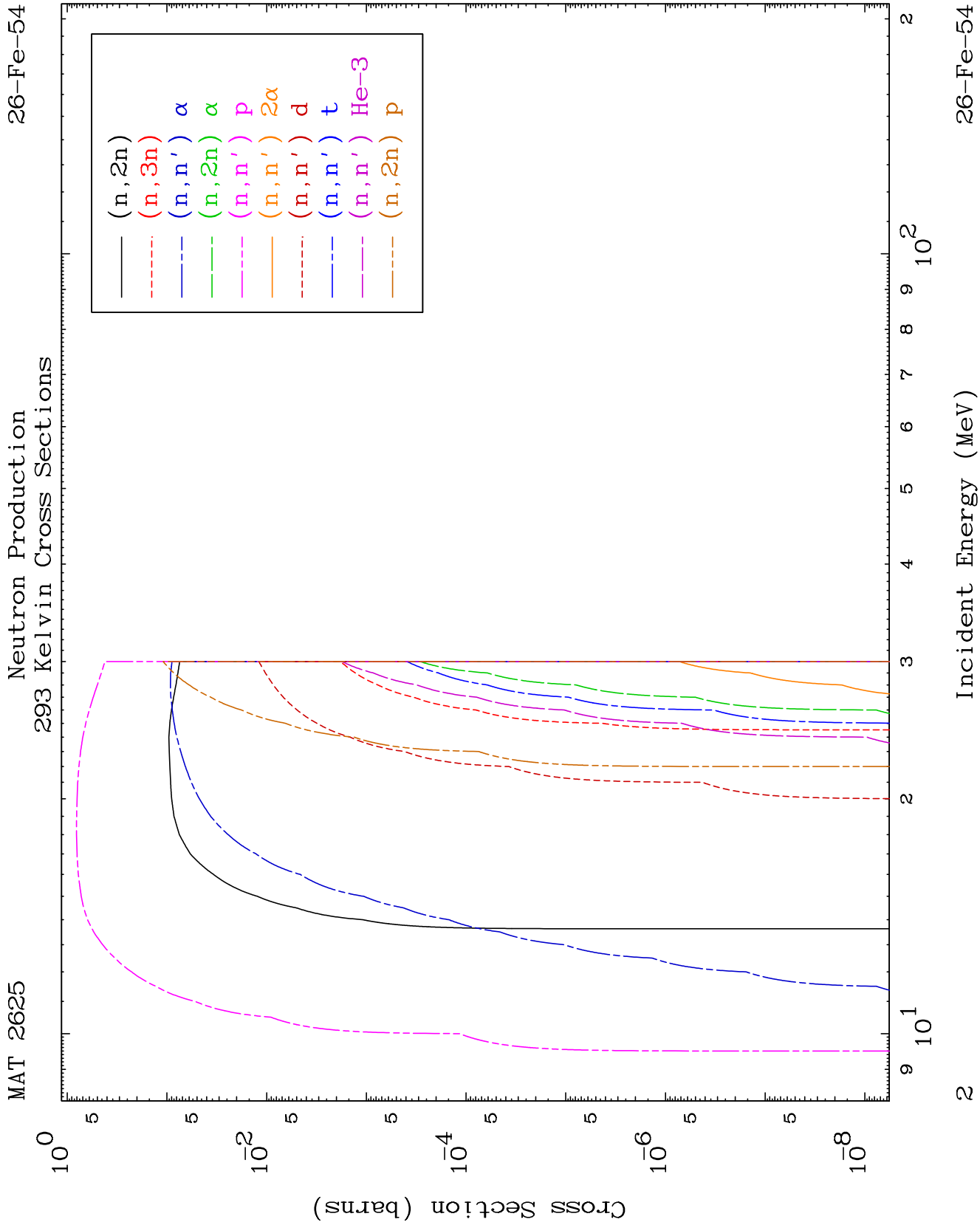
Press Mouse Button to Start

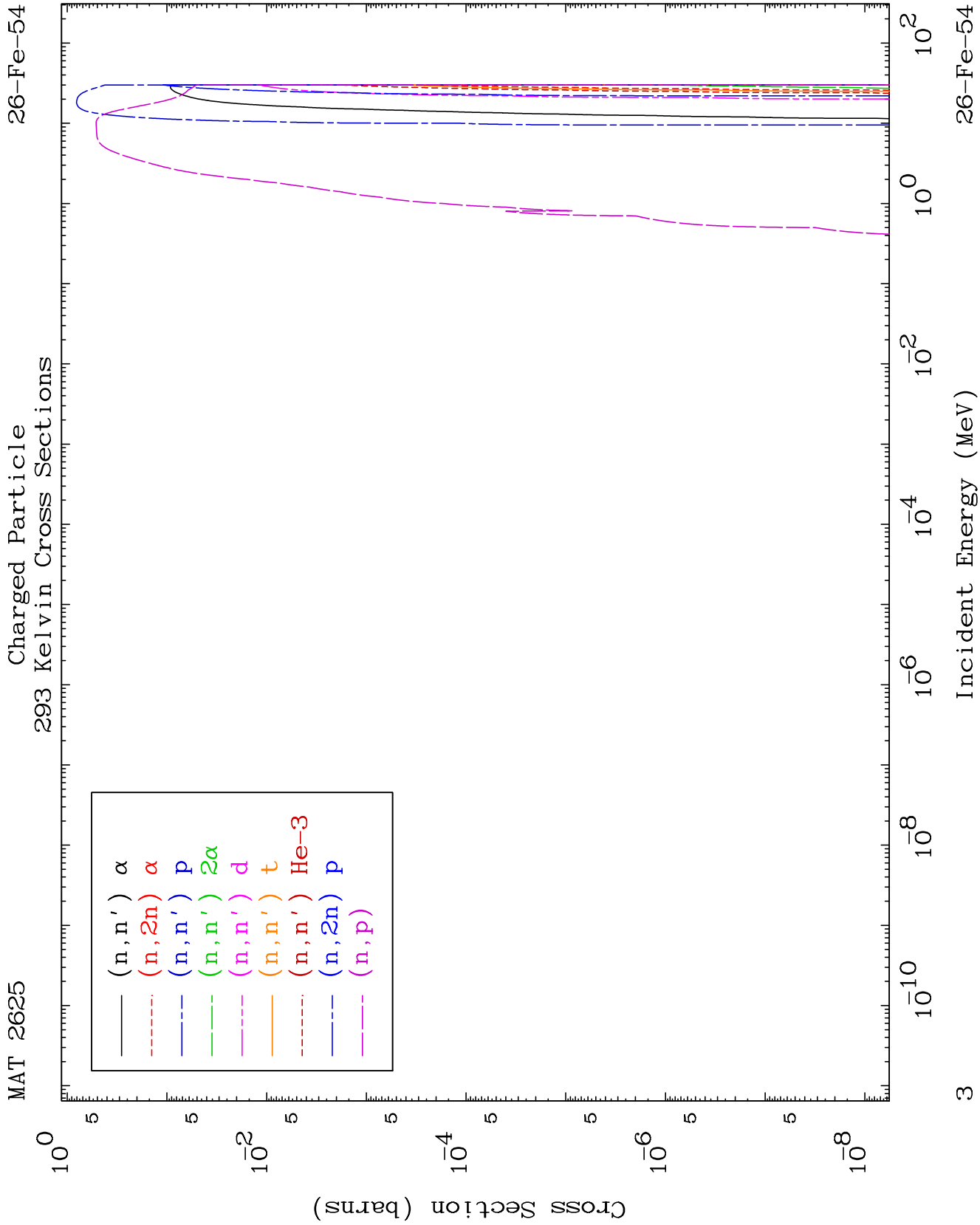
MAT 2625

Major
293 Kelvin Cross Sections

26-Fe-54



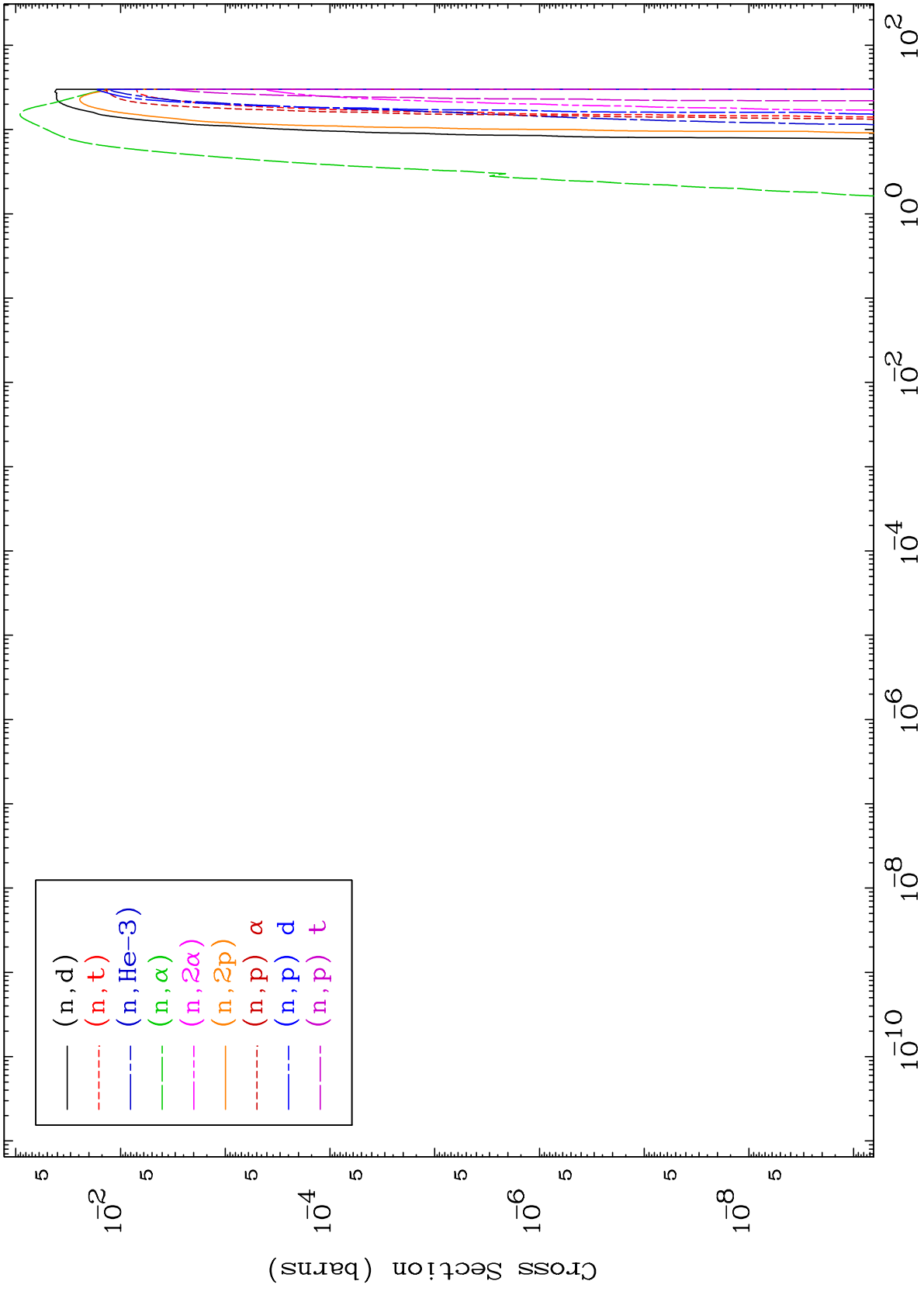




MAT 2625

Charged Particle
293 Kelvin Cross Sections

26-Fe-54

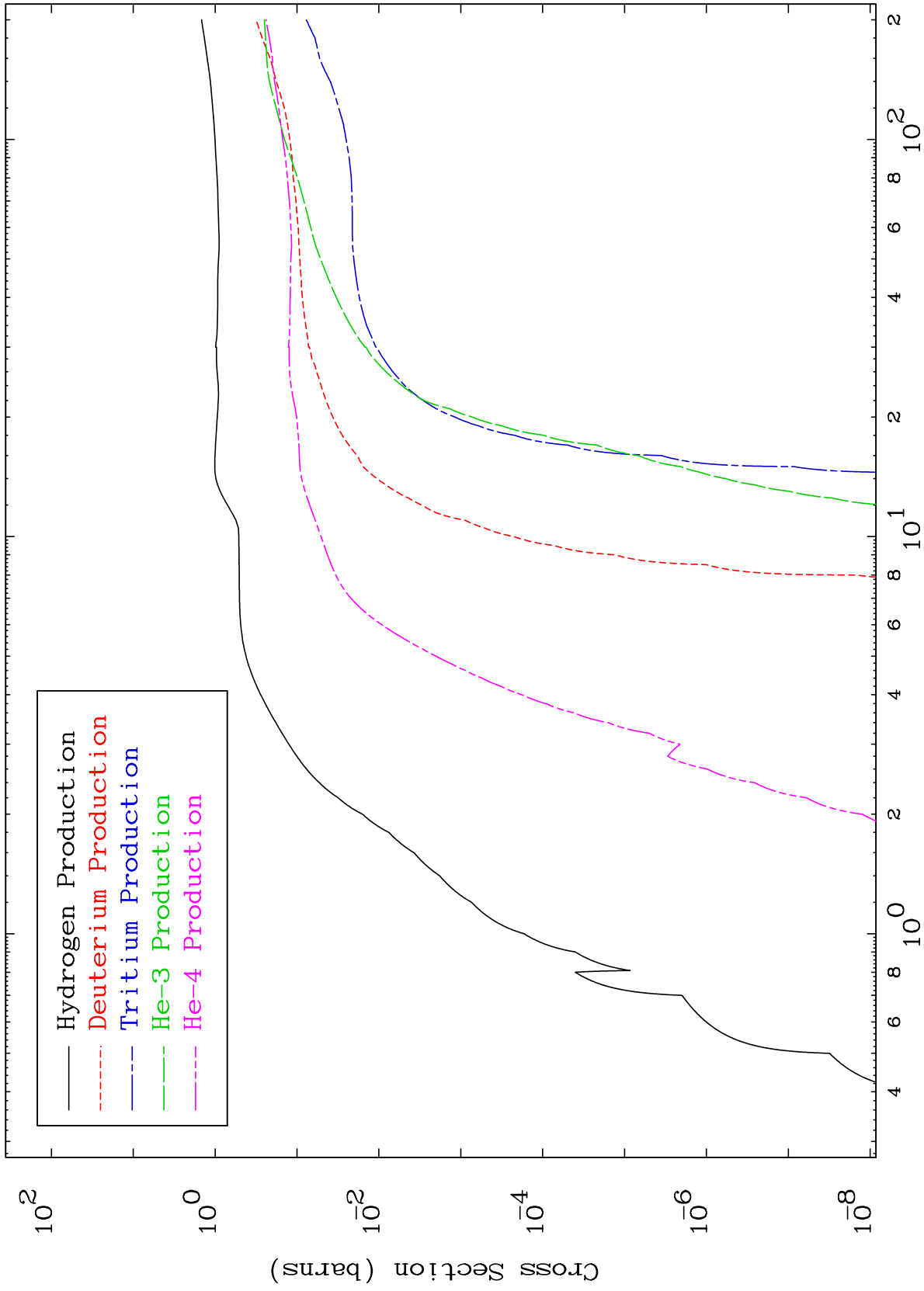


26-Fe-54

MAT 2625

Particle Production
293 Kelvin Cross Sections

26-Fe-54



5

Incident Energy (MeV)

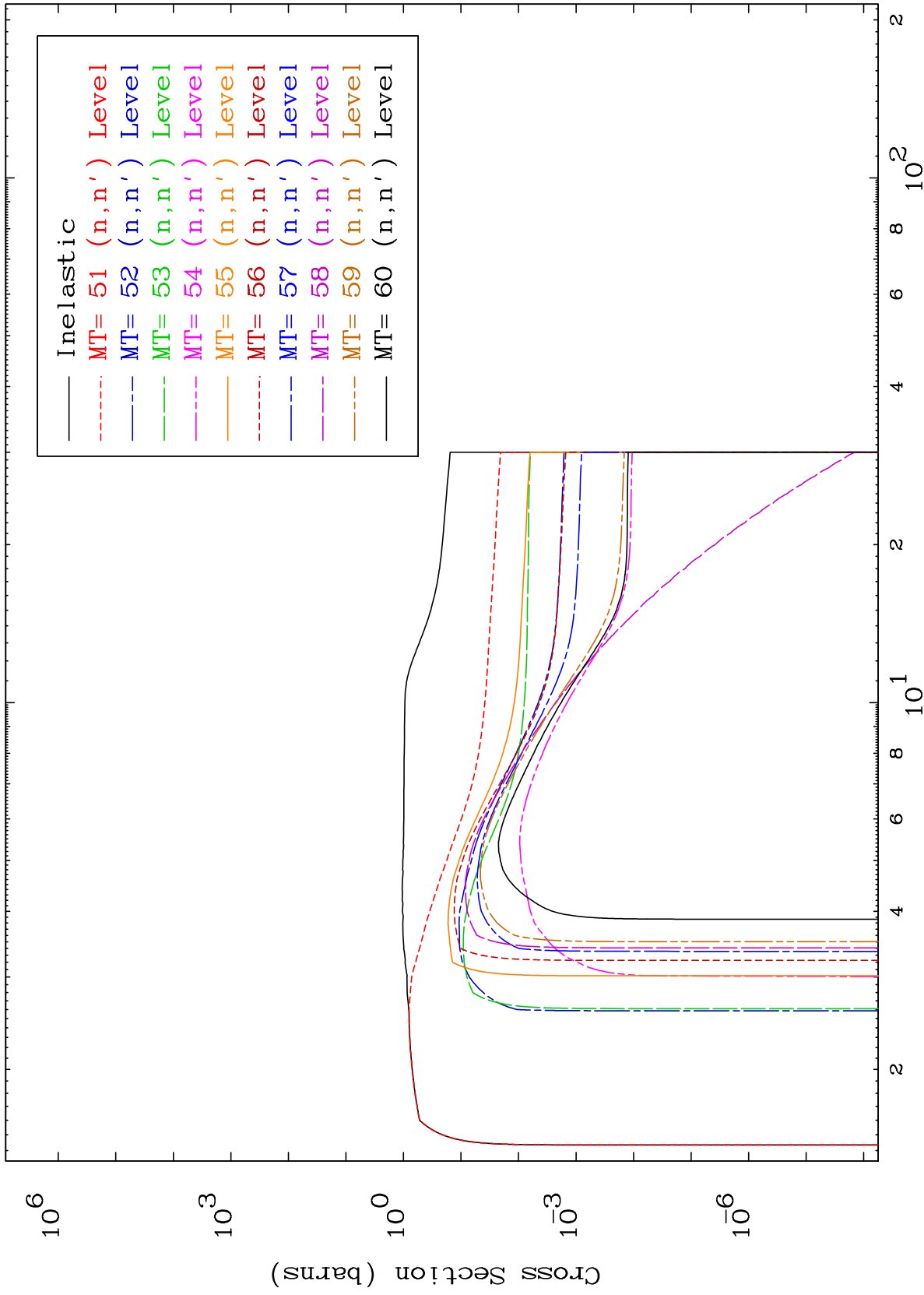
26-Fe-54

MAT 2625

(n,n') Level

26-Fe-54

293 Kelvin Cross Sections



6

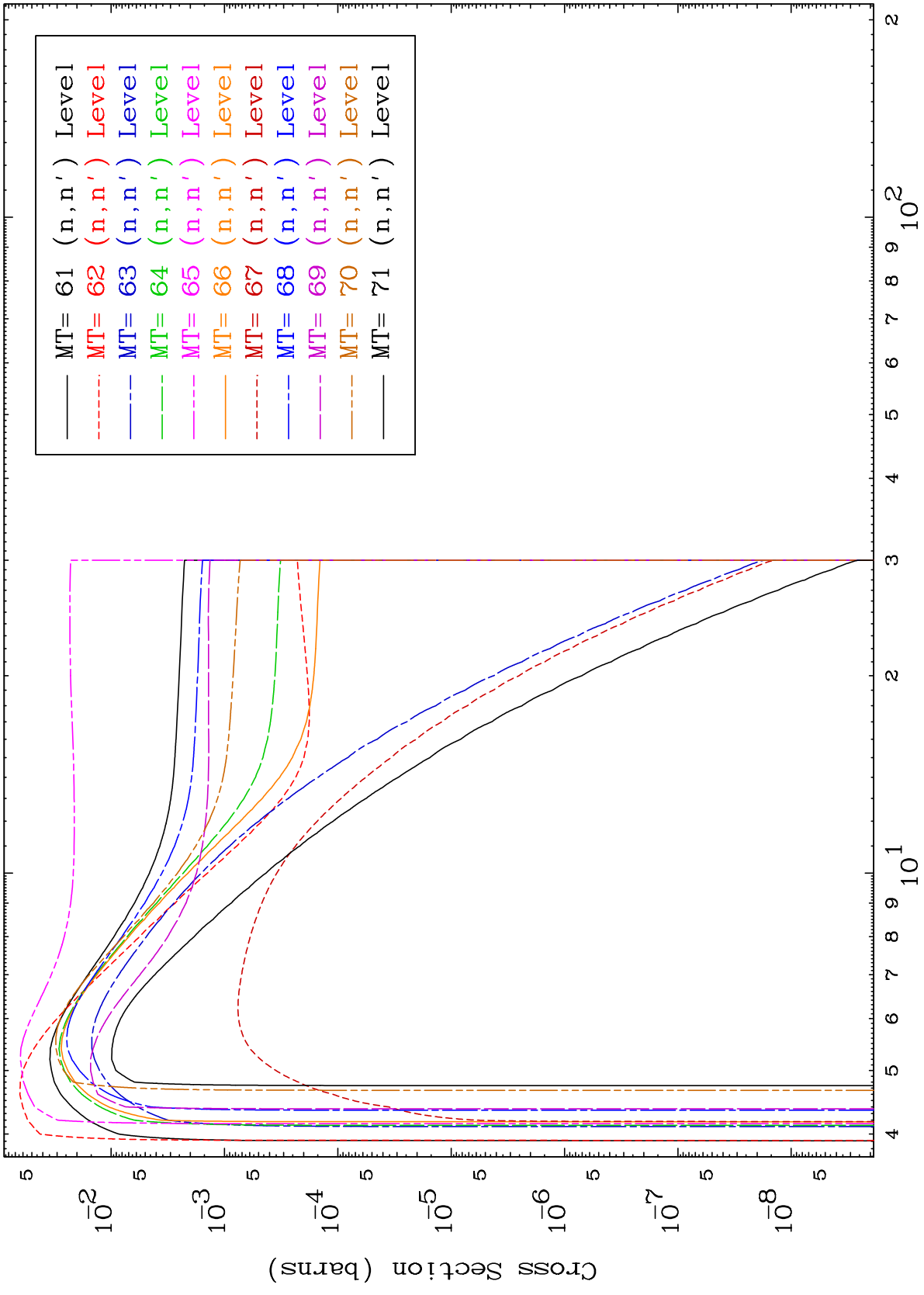
Incident Energy (MeV)

26-Fe-54

MAT 2625

(n,n') Level
293 Kelvin Cross Sections

26-Fe-54



7

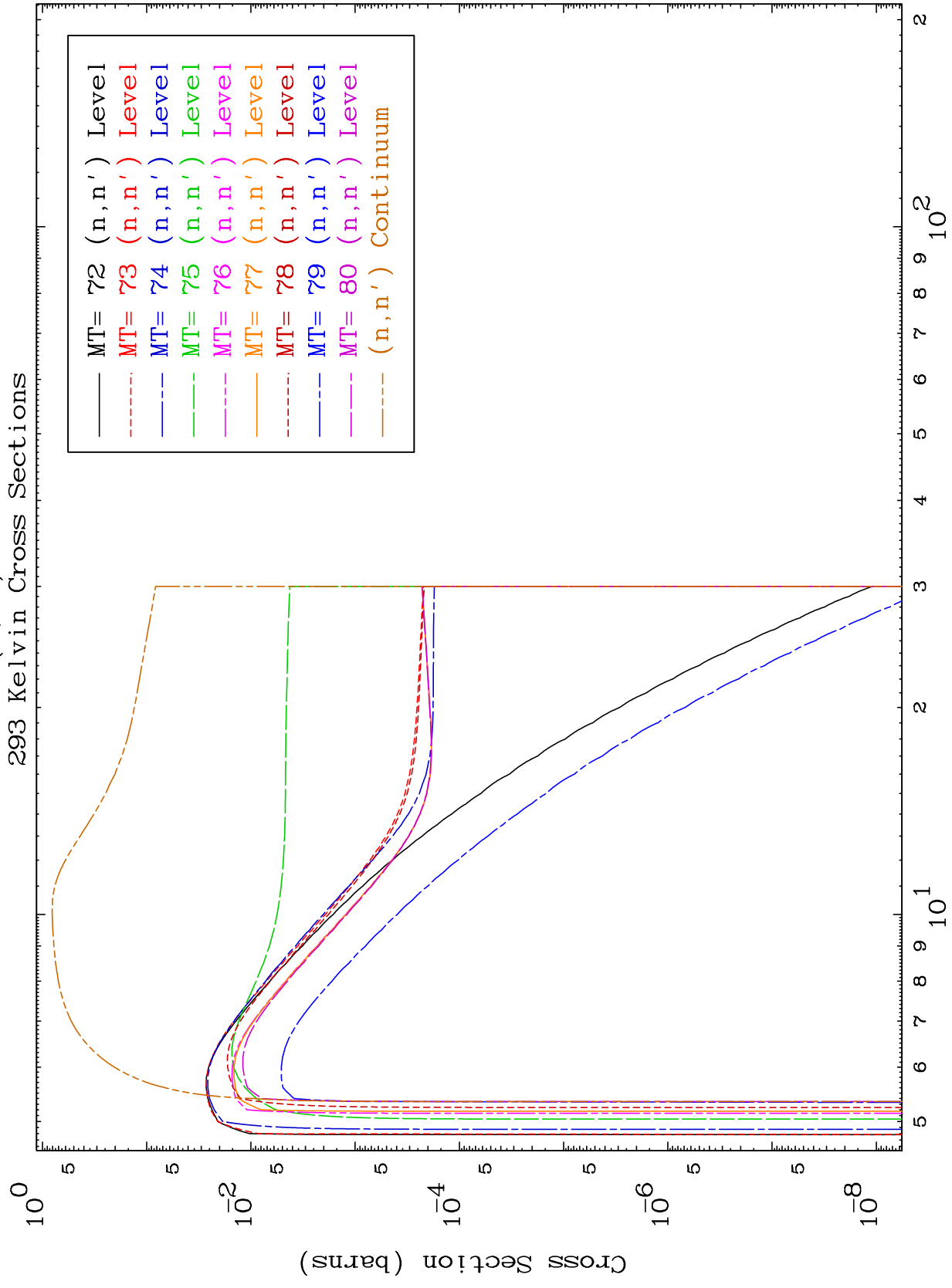
Incident Energy (MeV)

26-Fe-54

MAT 2625

(n,n') Level

26-Fe-54



8

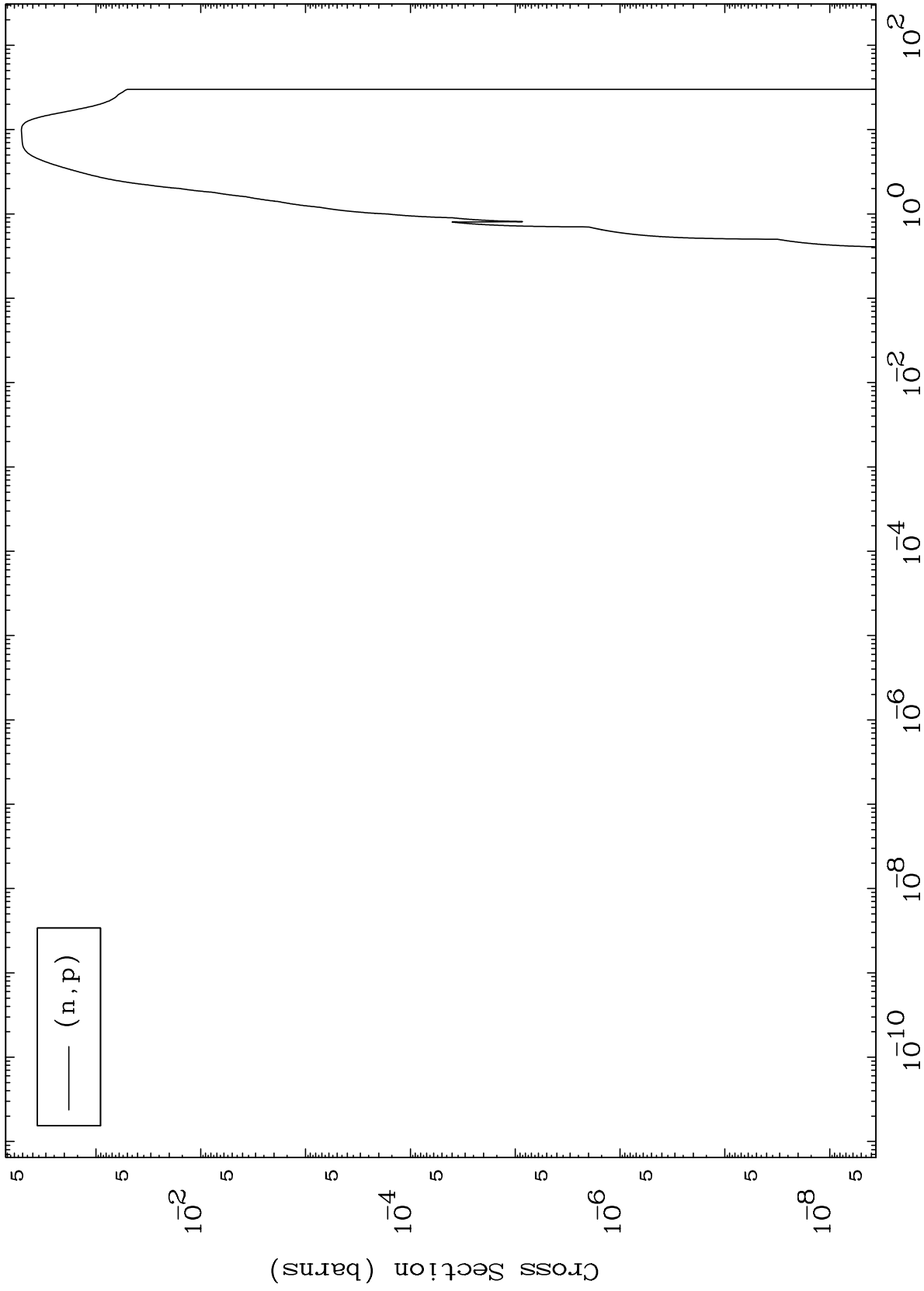
Incident Energy (MeV)

26-Fe-54

MAT 2625

(n,p) Levels
293 Kelvin Cross Sections

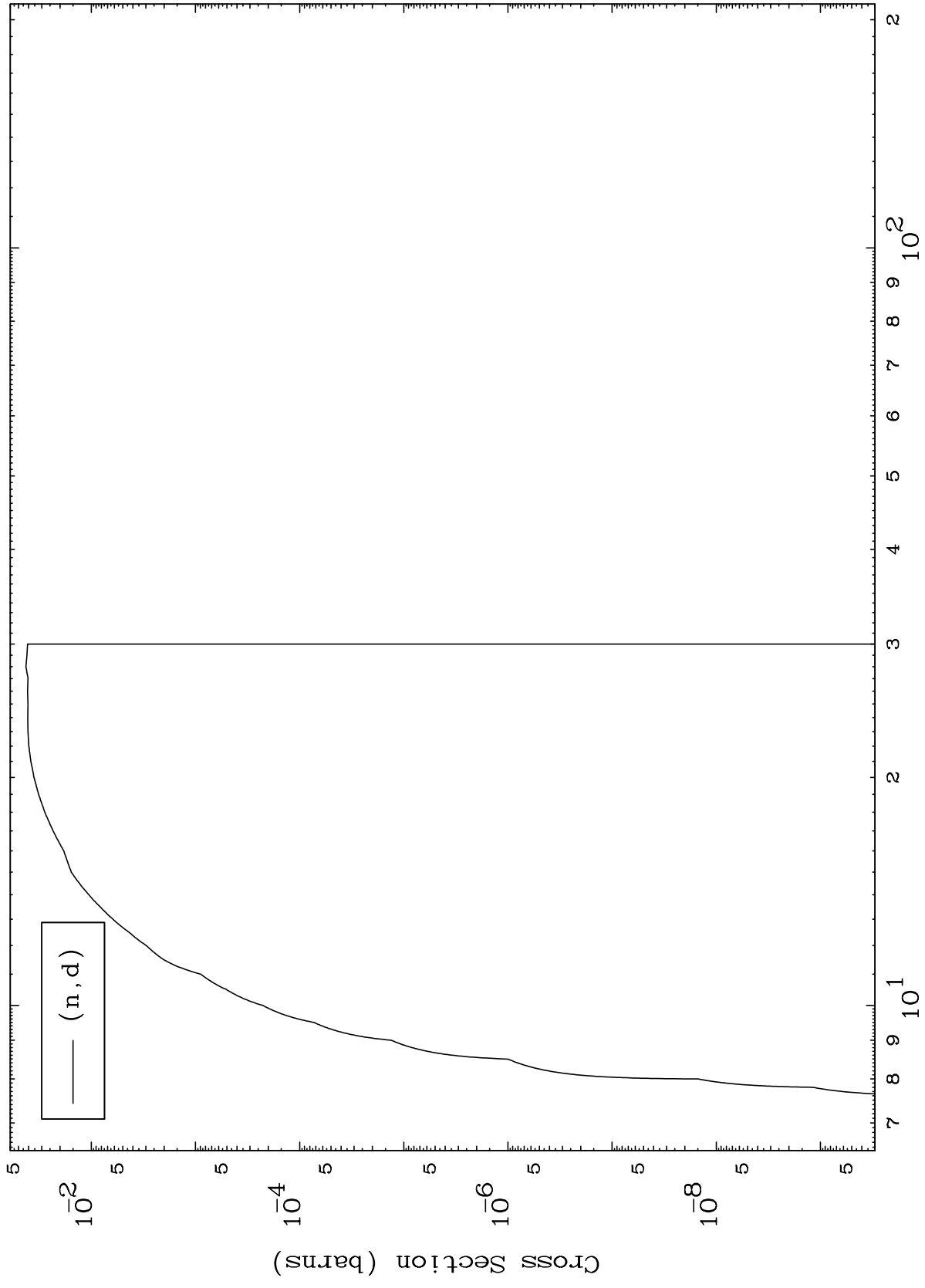
26-Fe-54



MAT 2625

(n,d) Levels
293 Kelvin Cross Sections

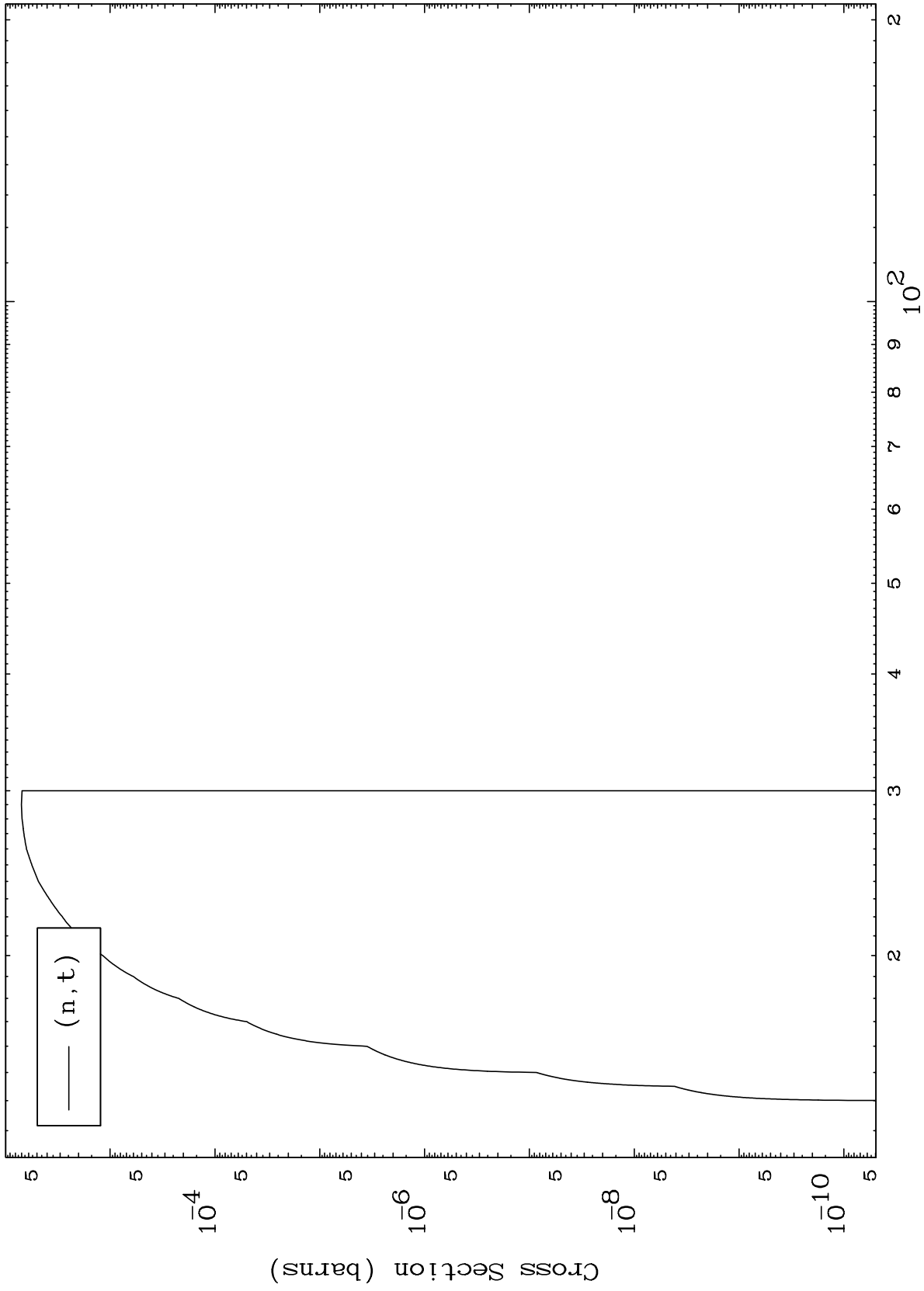
²⁶Fe-54



²⁶Fe-54

Incident Energy (MeV)

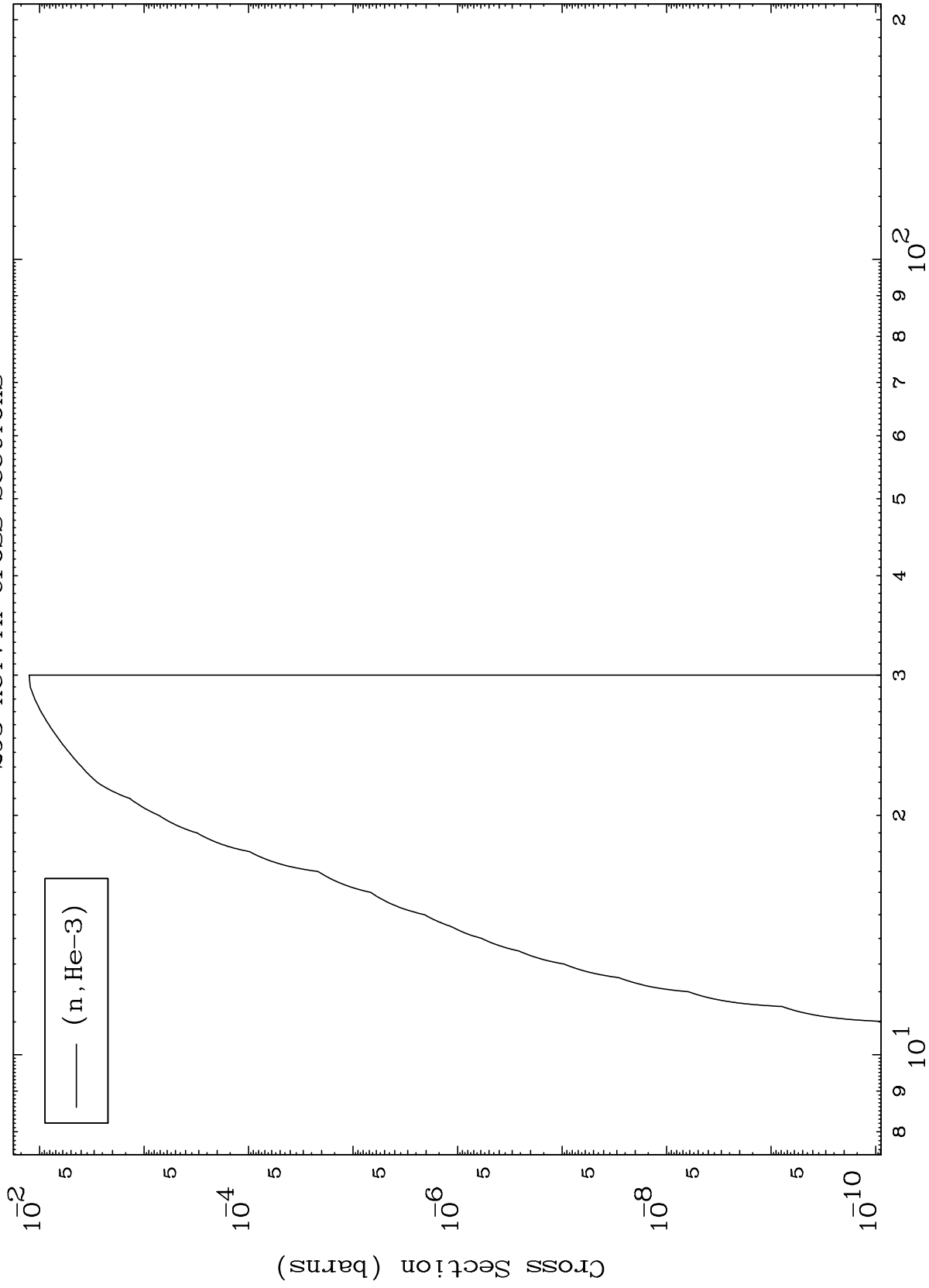
10



MAT 2625

(n,He3) Levels
293 Kelvin Cross Sections

26-Fe-54



12

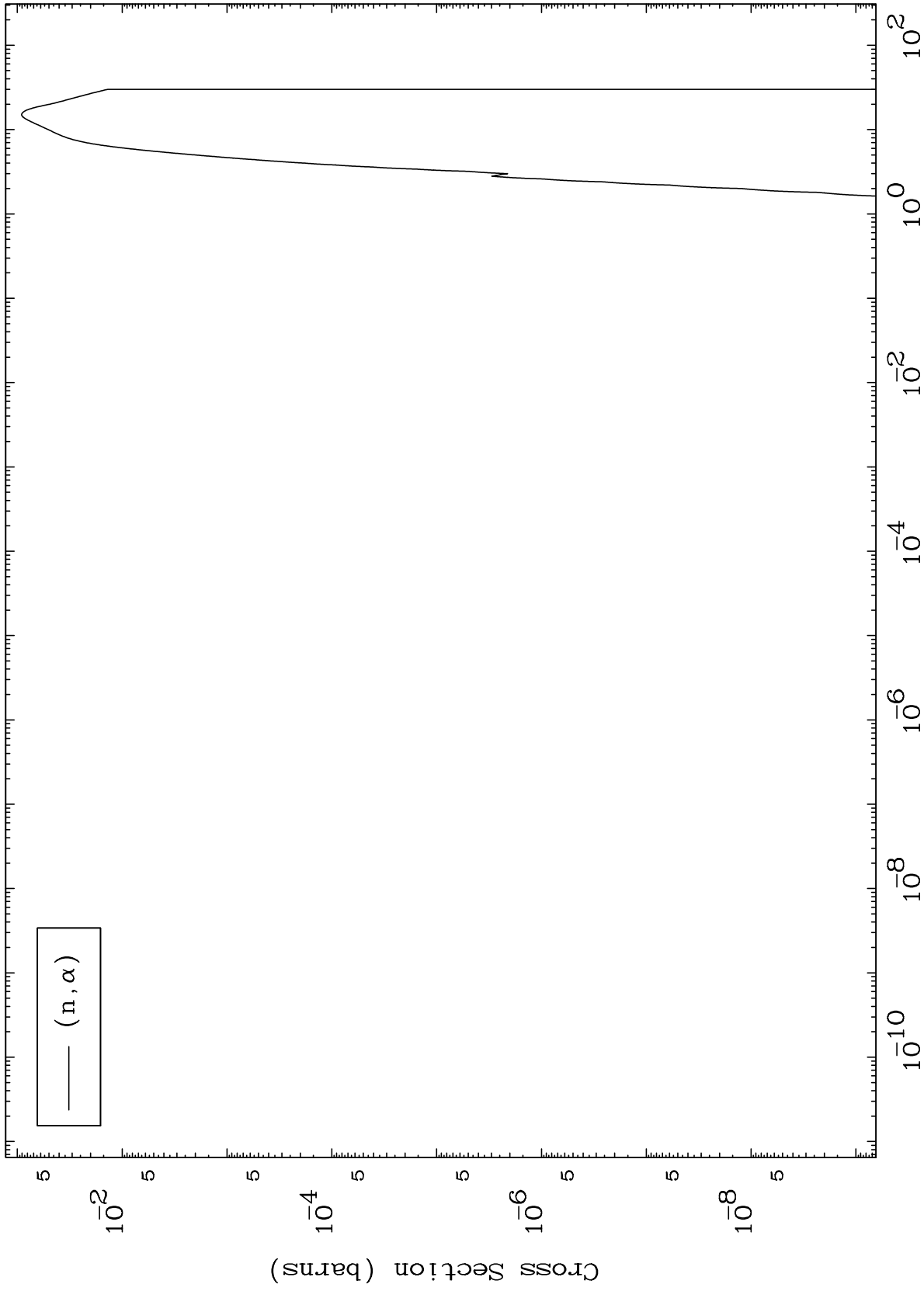
Incident Energy (MeV)

26-Fe-54

MAT 2625

(n,α) Levels
293 Kelvin Cross Sections

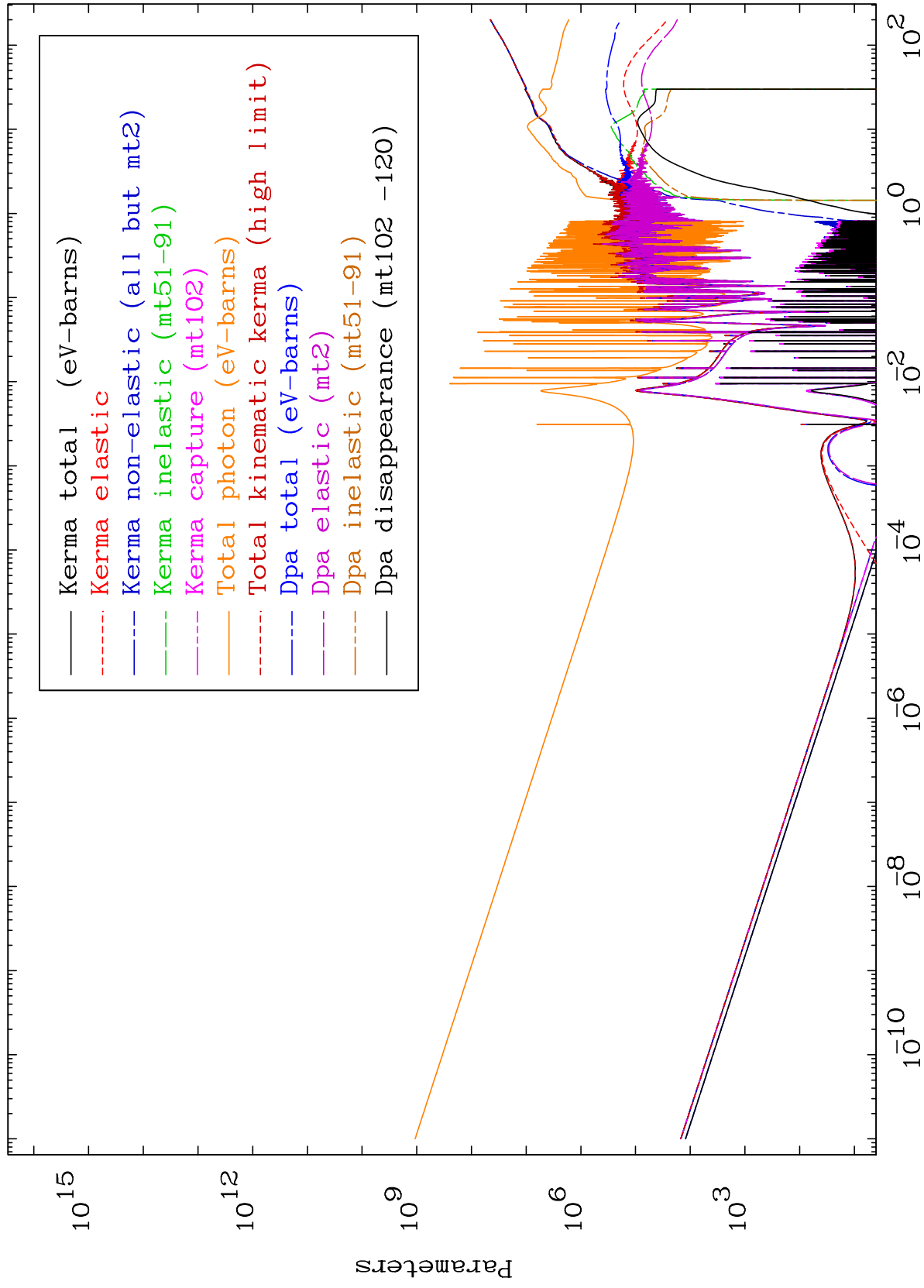
26-Fe-54



13

Incident Energy (MeV)

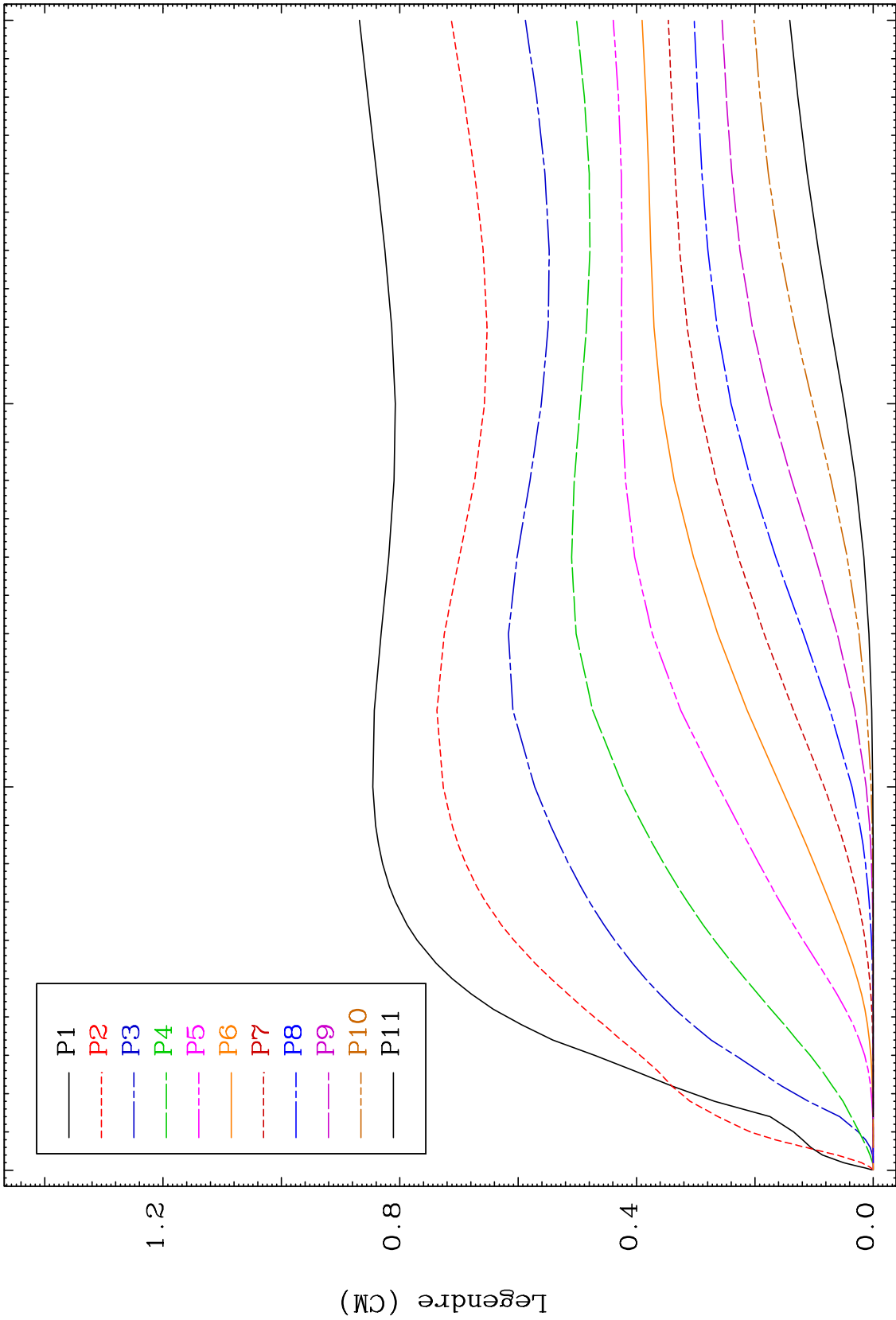
26-Fe-54



MAT 2625

Elastic Legendre Coefficients

²⁶Fe-54



15

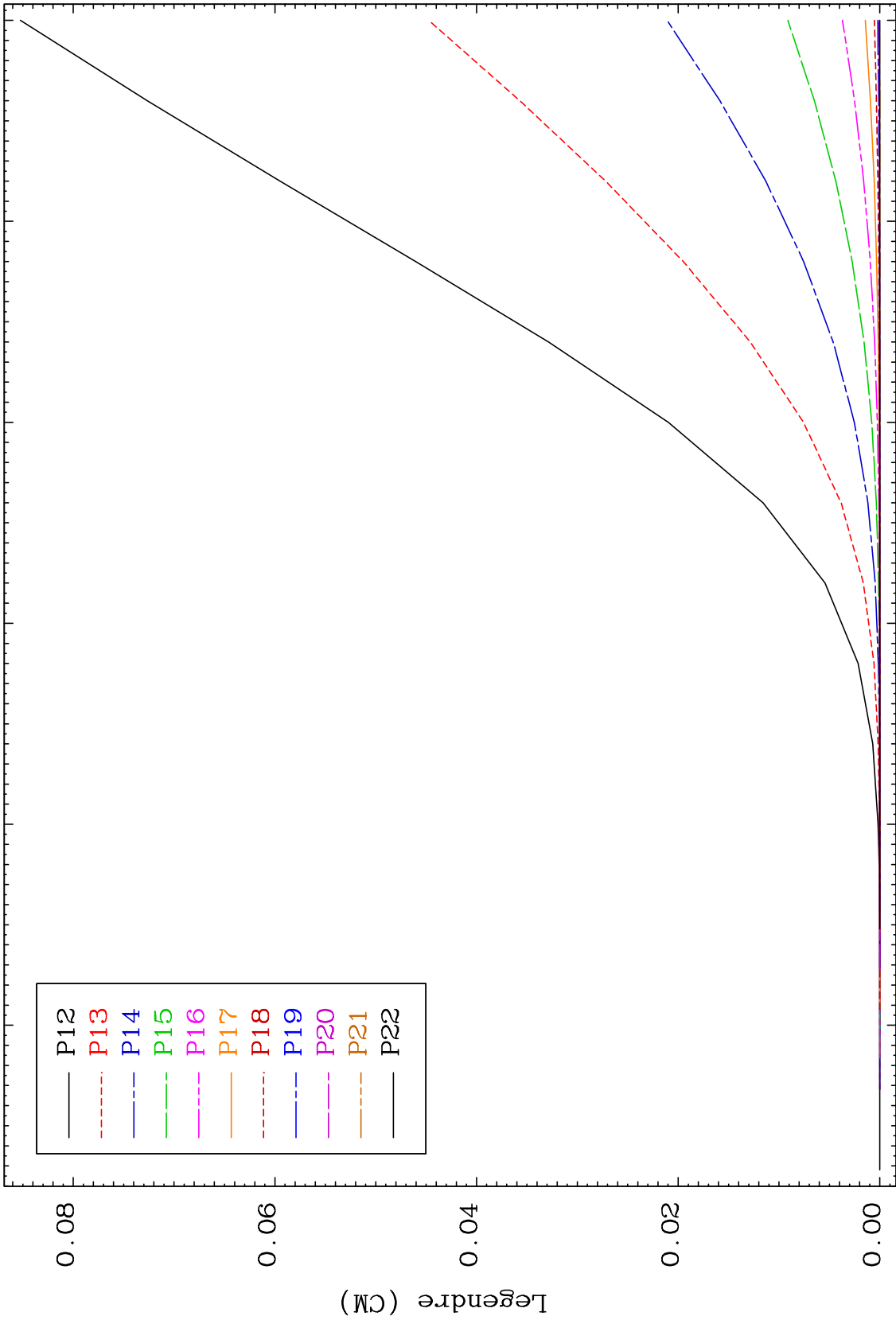
Incident Energy (MeV)

²⁶Fe-54

MAT 2625

Elastic
Legendre Coefficients

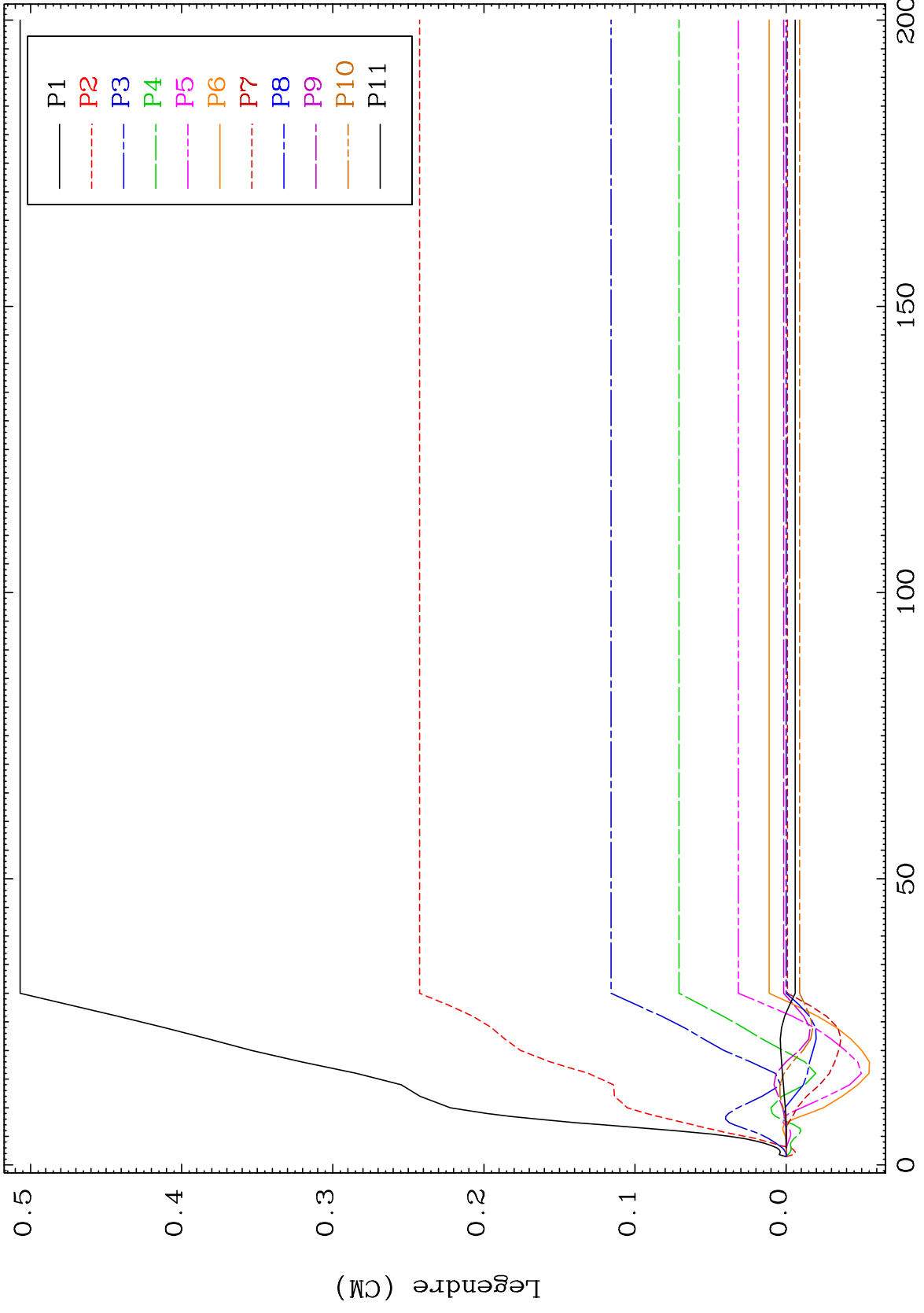
²⁶Fe-54



16

²⁶Fe-54

MAT 2625 MT= 51 (n,n') Level Legendre Coefficients 26-Fe-54

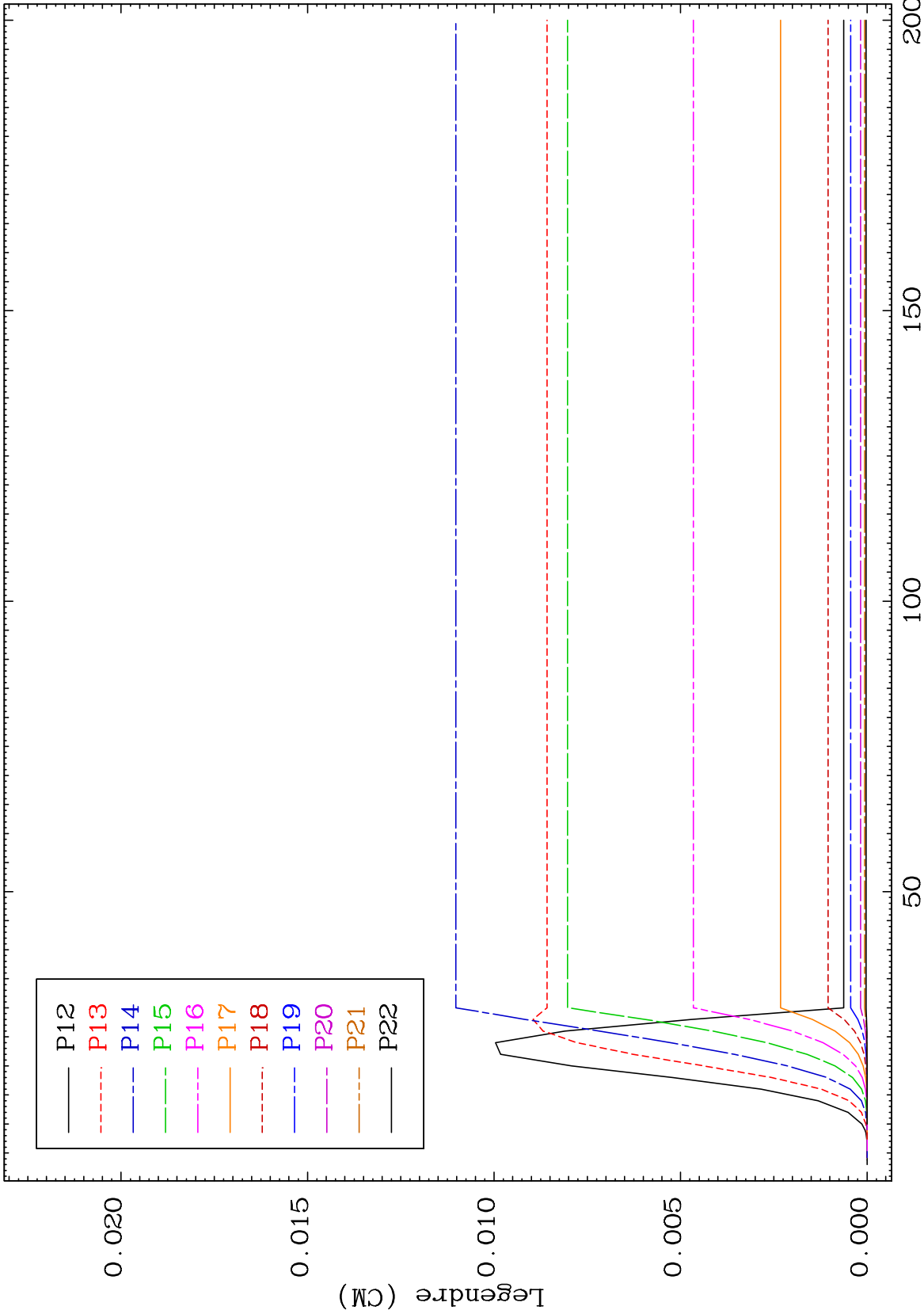


18 Incident Energy (MeV) 26-Fe-54

MAT 2625

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

²⁶Fe-54



19

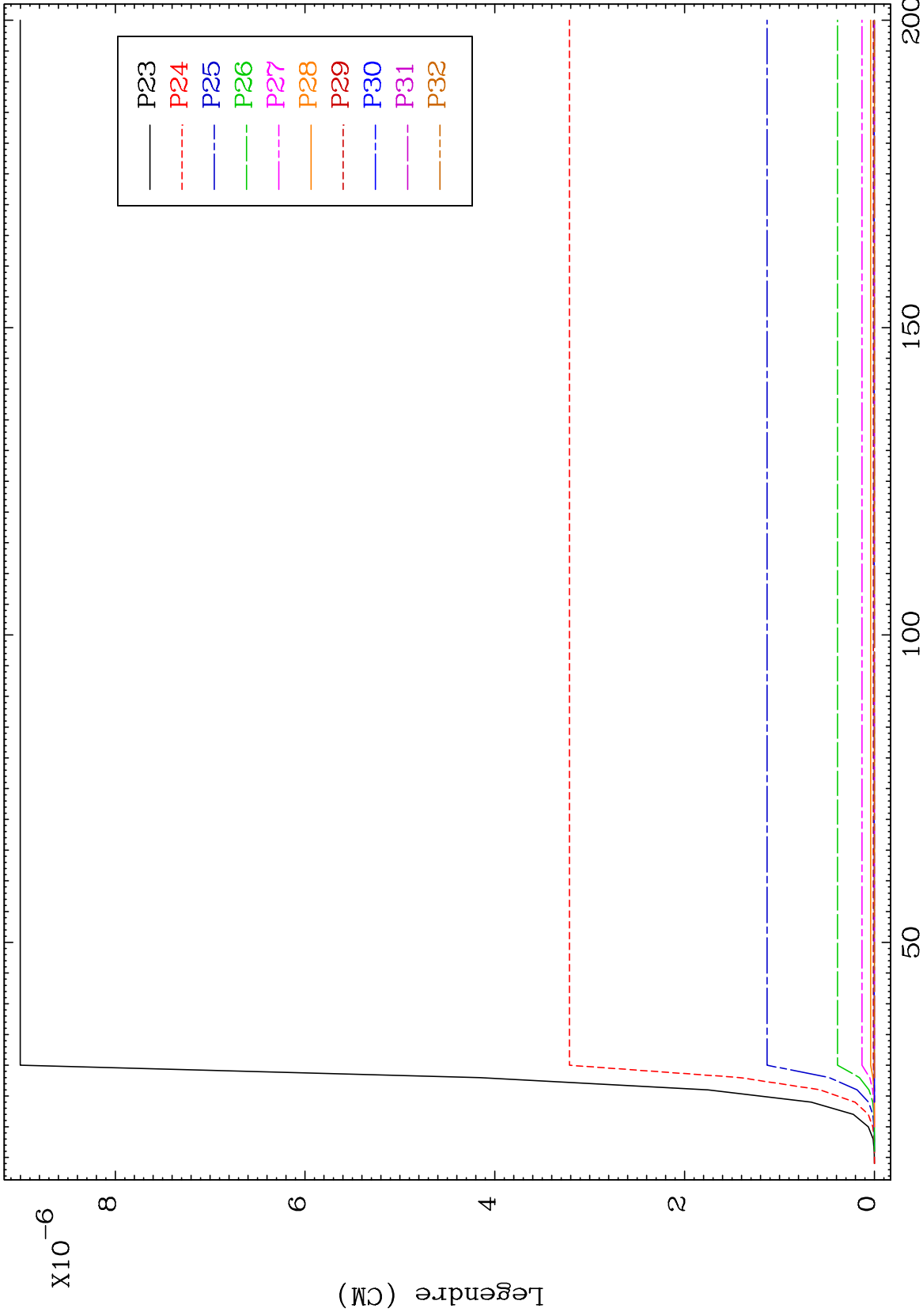
Incident Energy (MeV)

²⁶Fe-54

MAT 2625

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

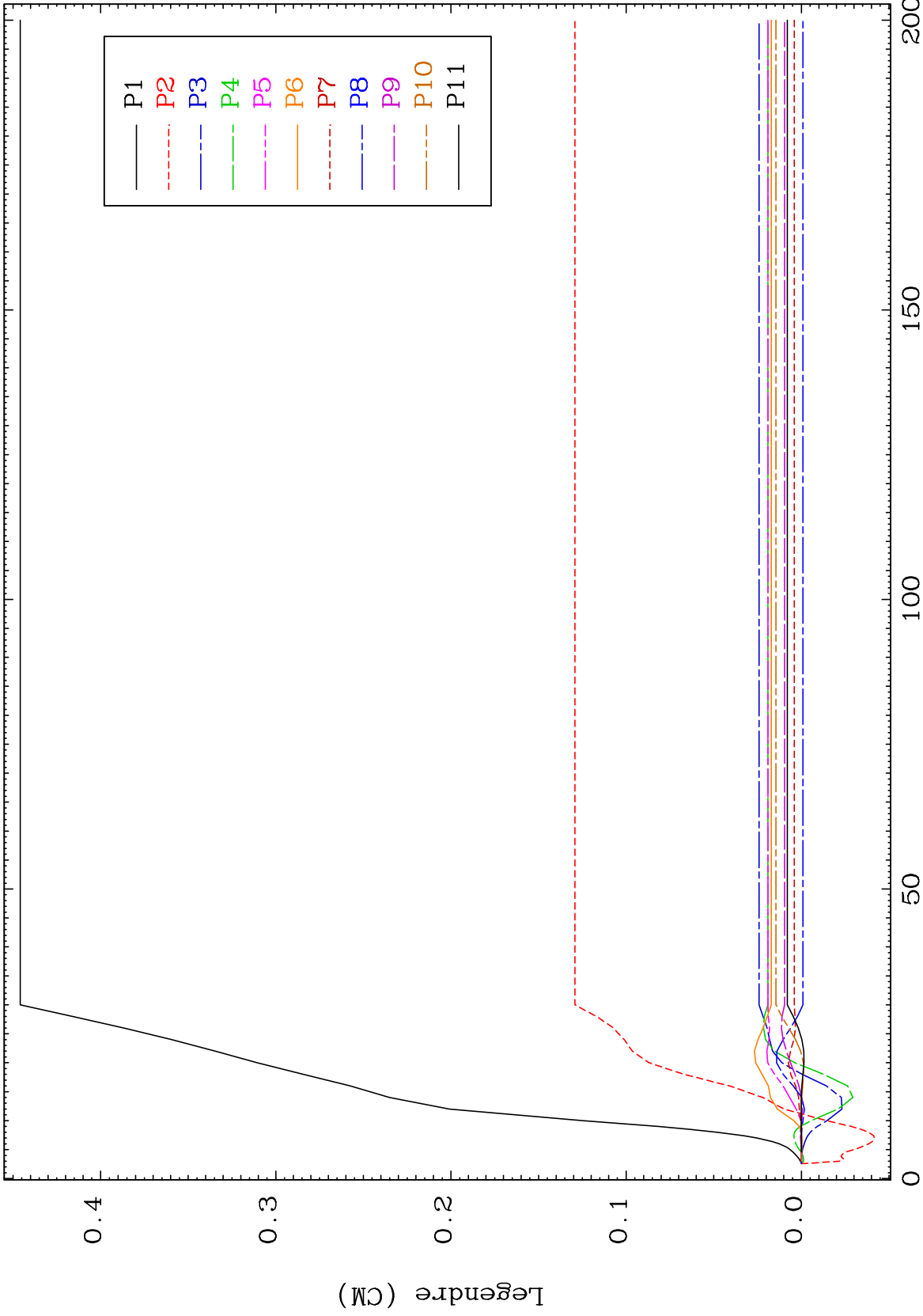
26-Fe-54



MAT 2625

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

26-Fe-54



21

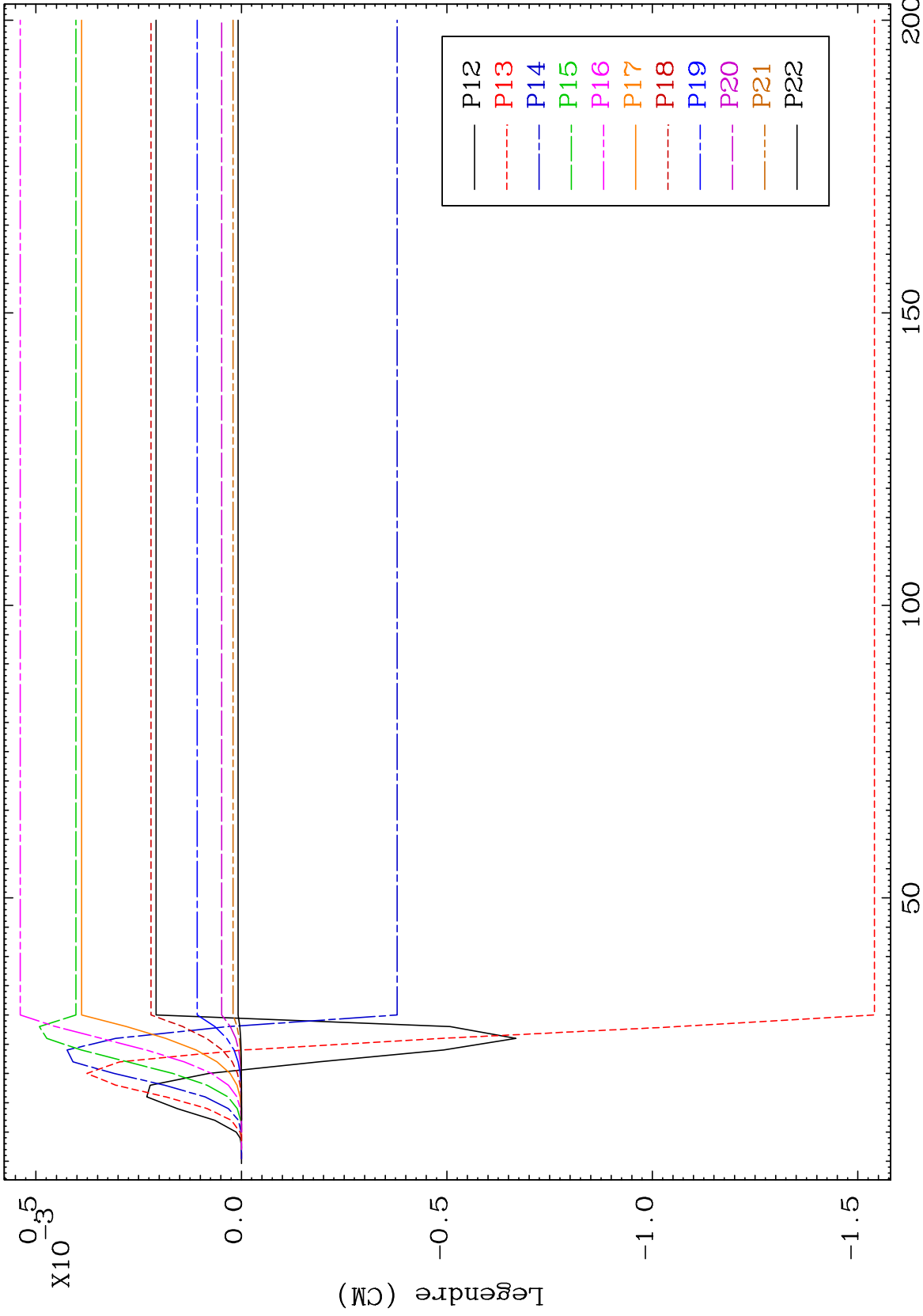
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54



22

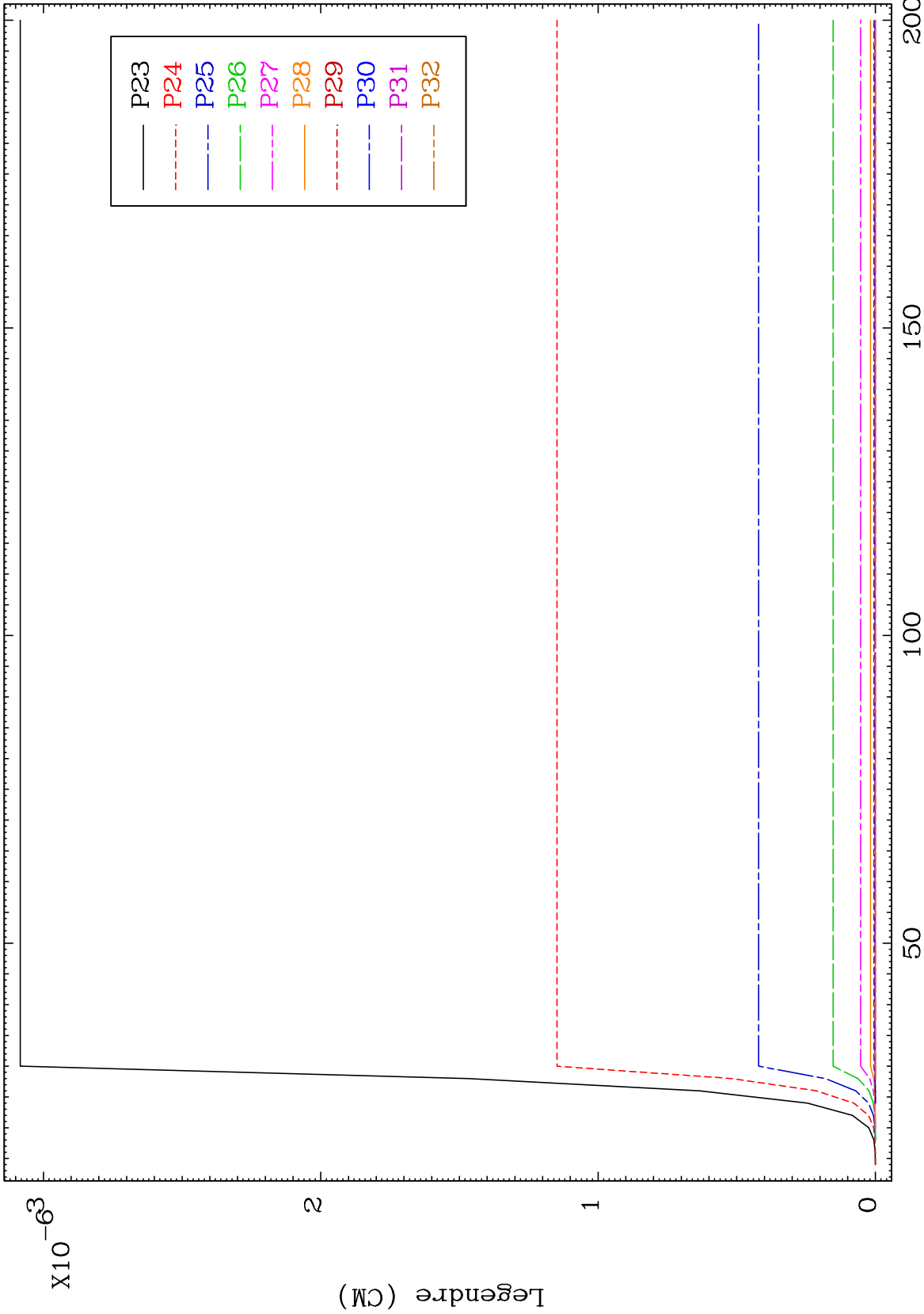
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54



23

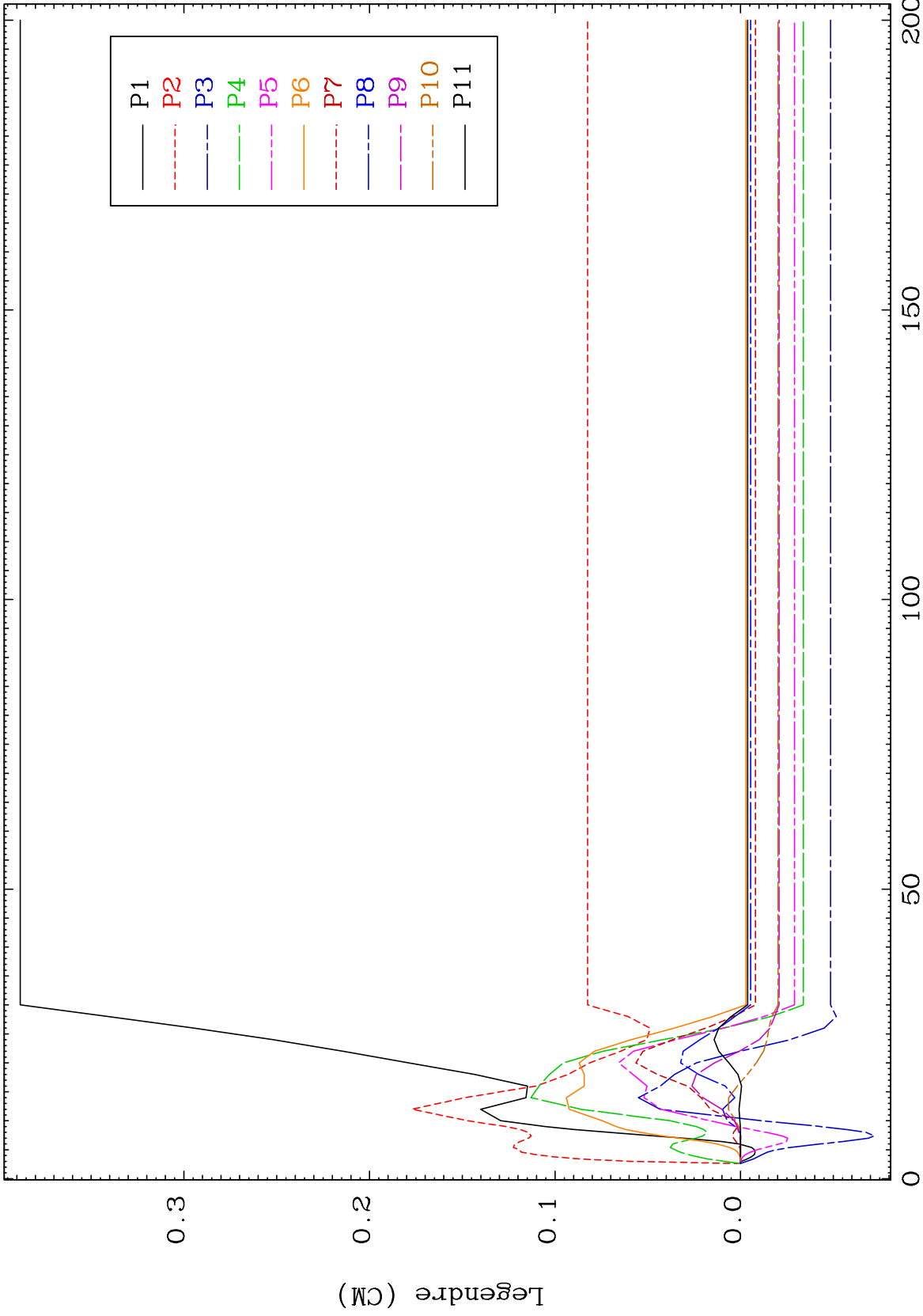
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

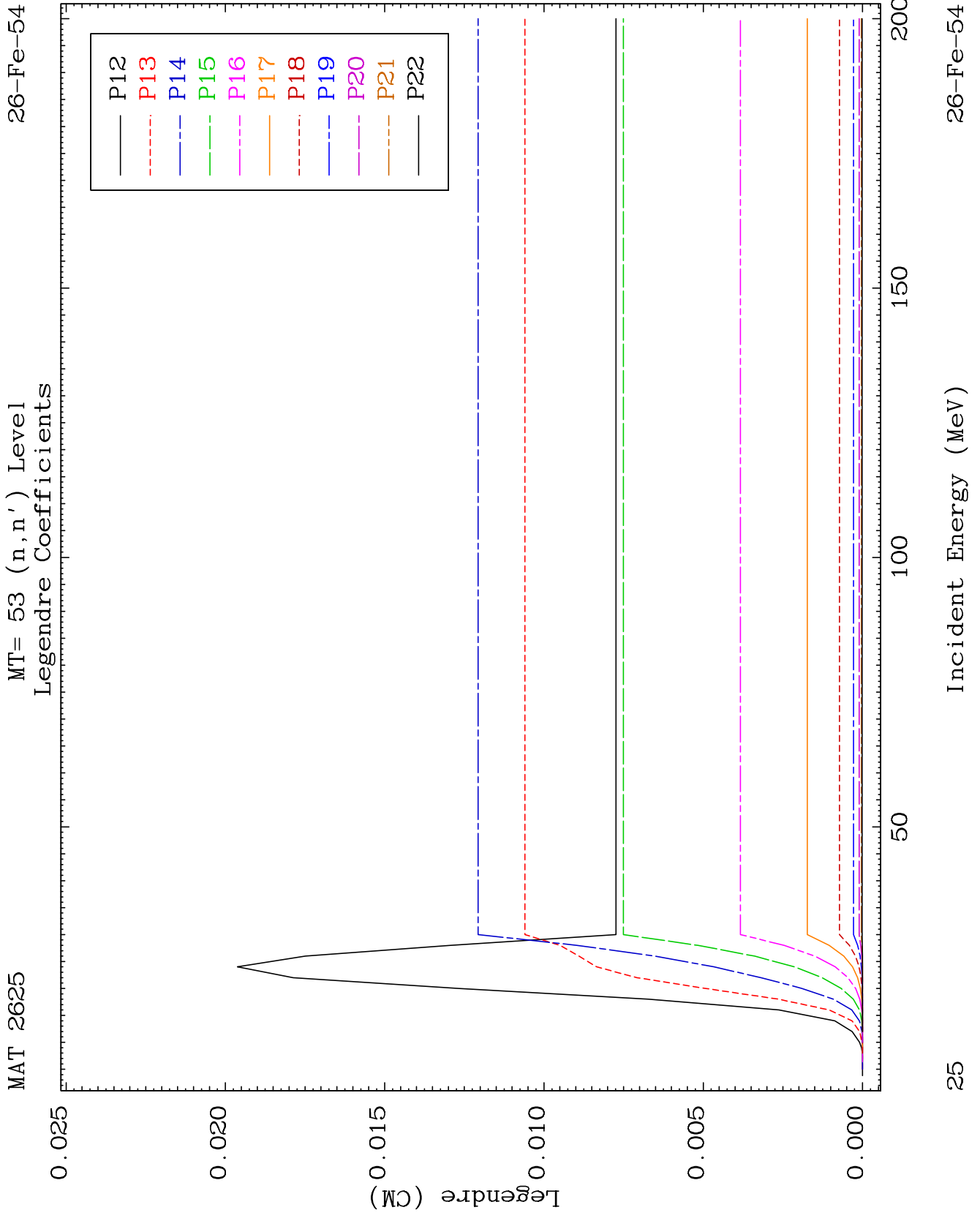
26-Fe-54



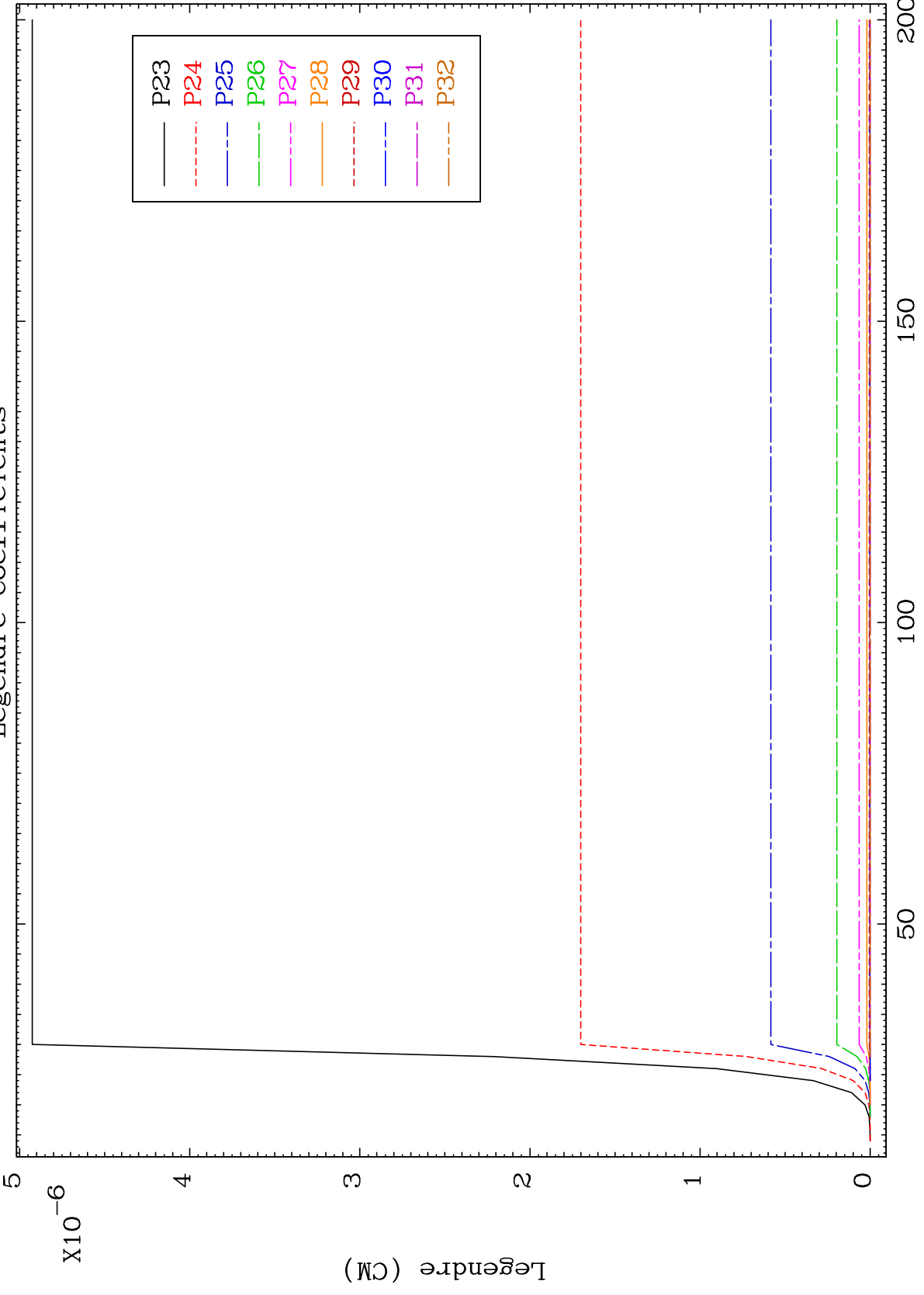
24

Incident Energy (MeV)

26-Fe-54



MAT 2625 MT= 53 (n,n') Level Legendre Coefficients 26-Fe-54

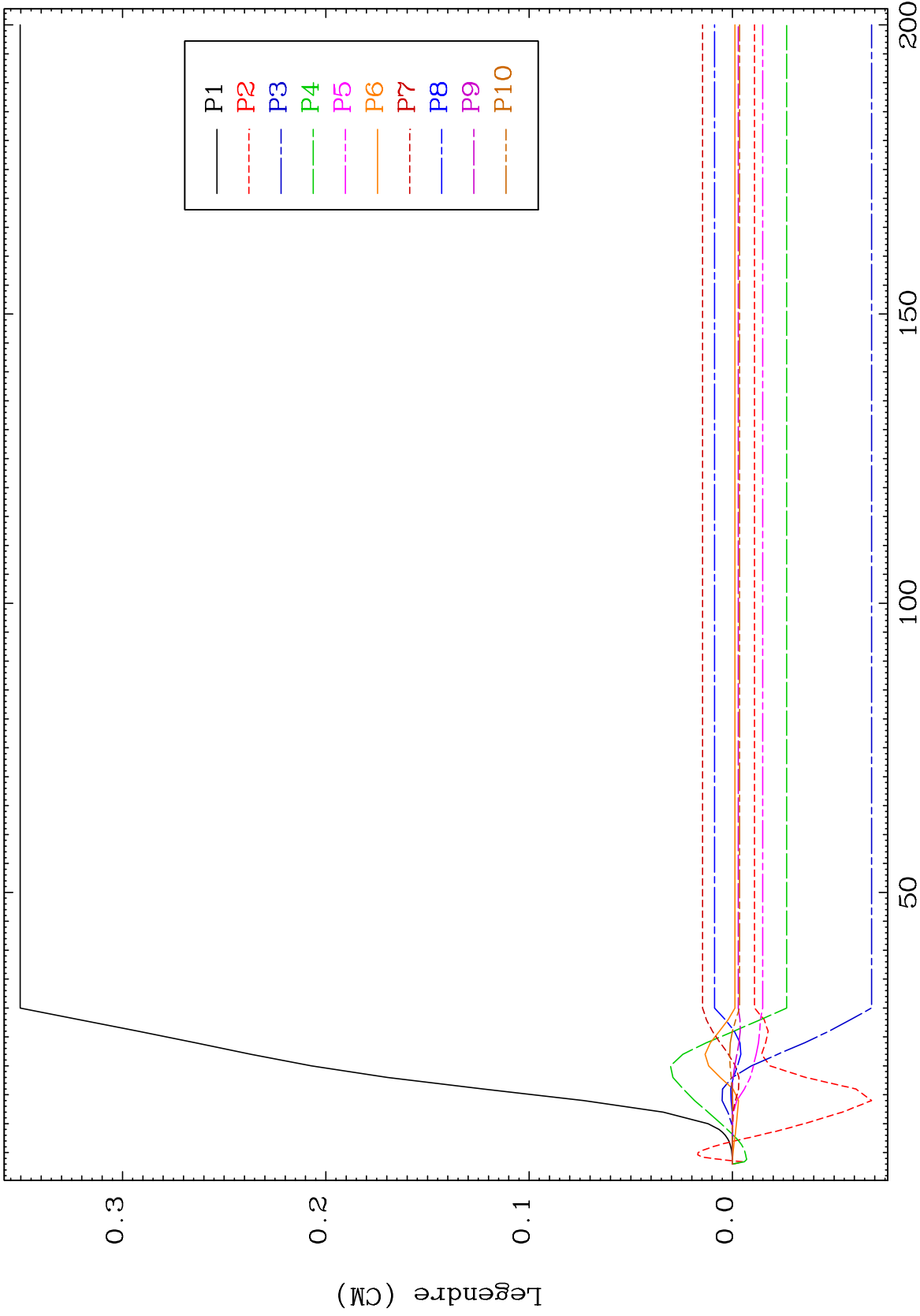


26 26-Fe-54

MAT 2625

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

26-Fe-54

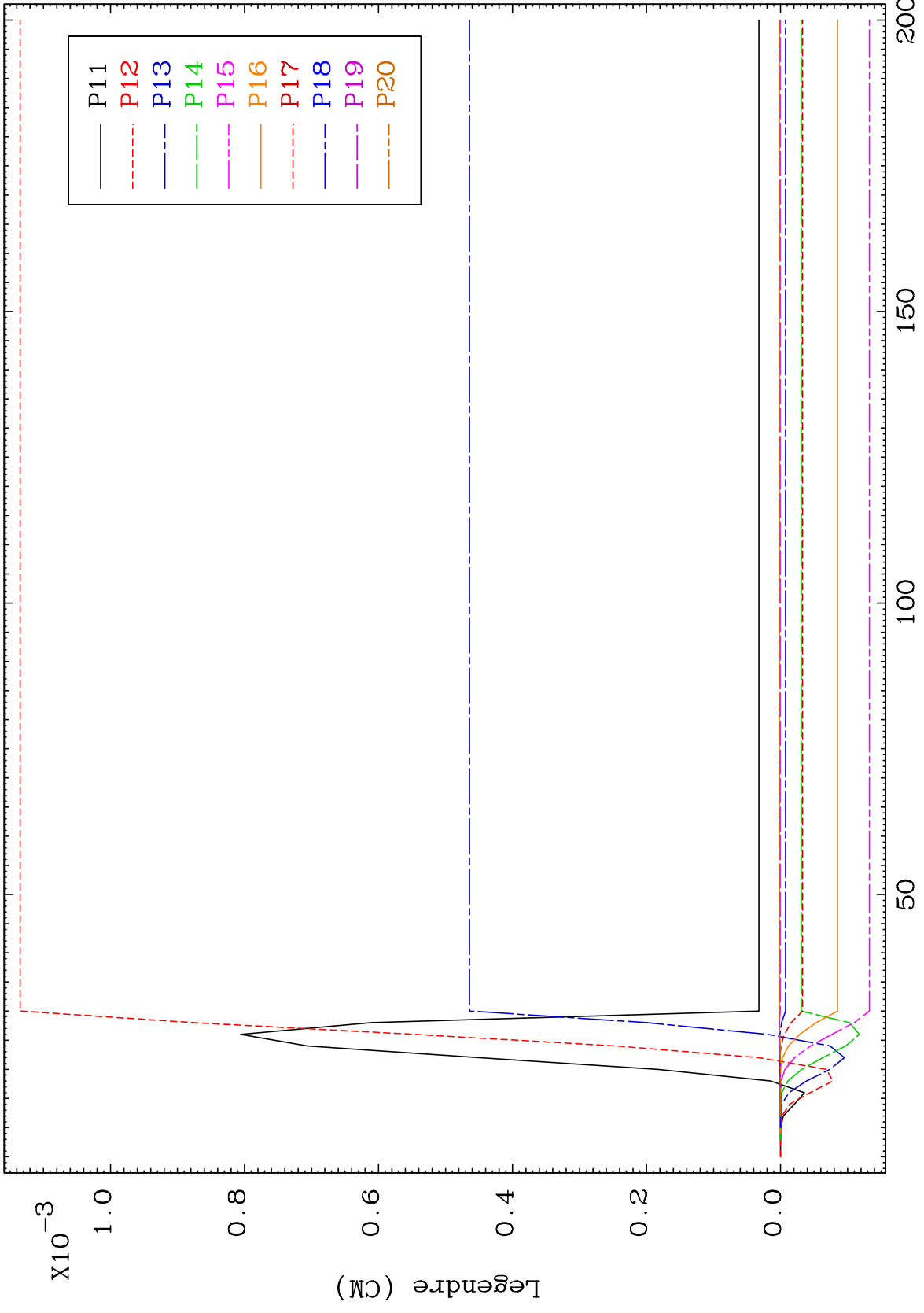


27

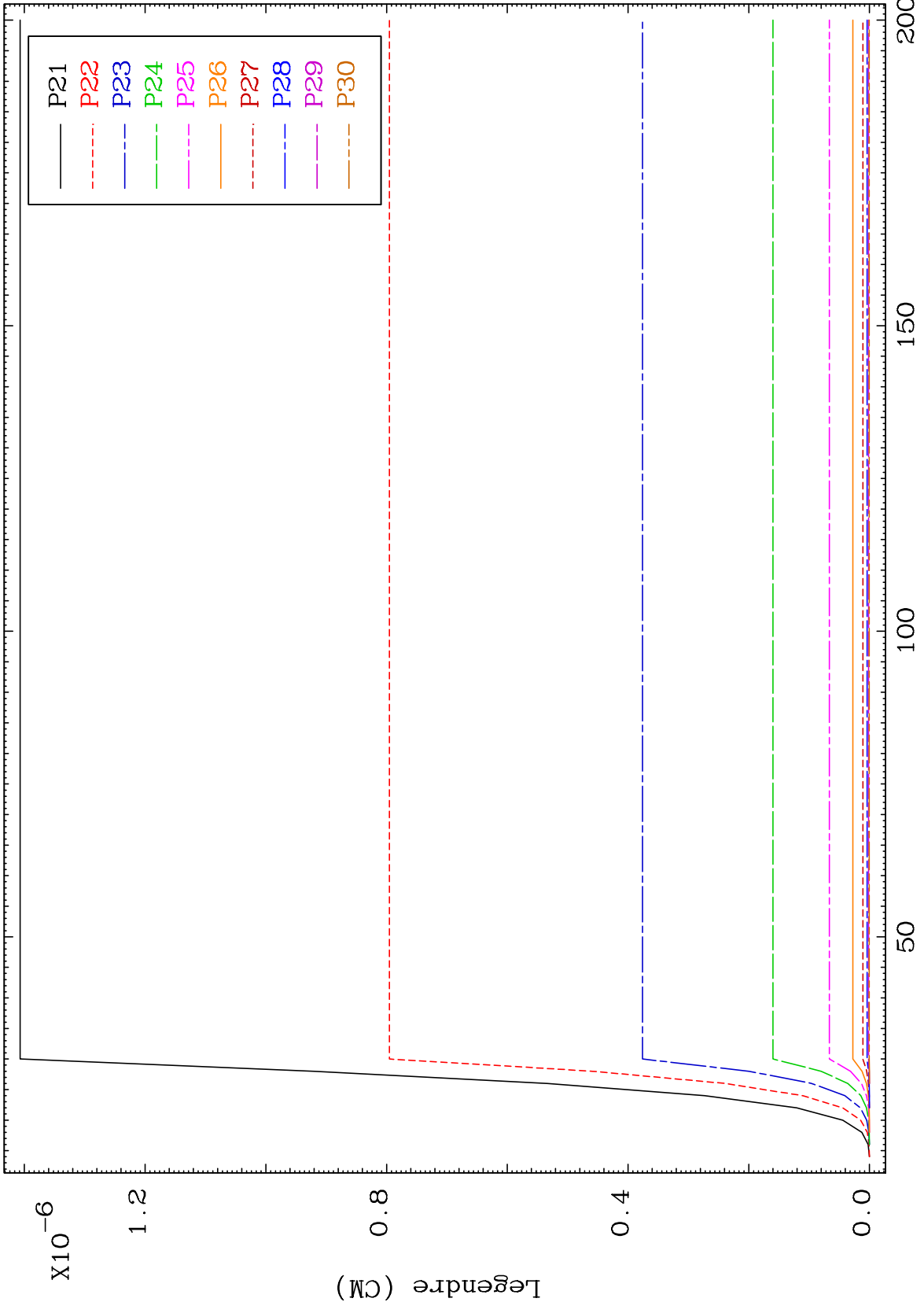
Incident Energy (MeV)

26-Fe-54

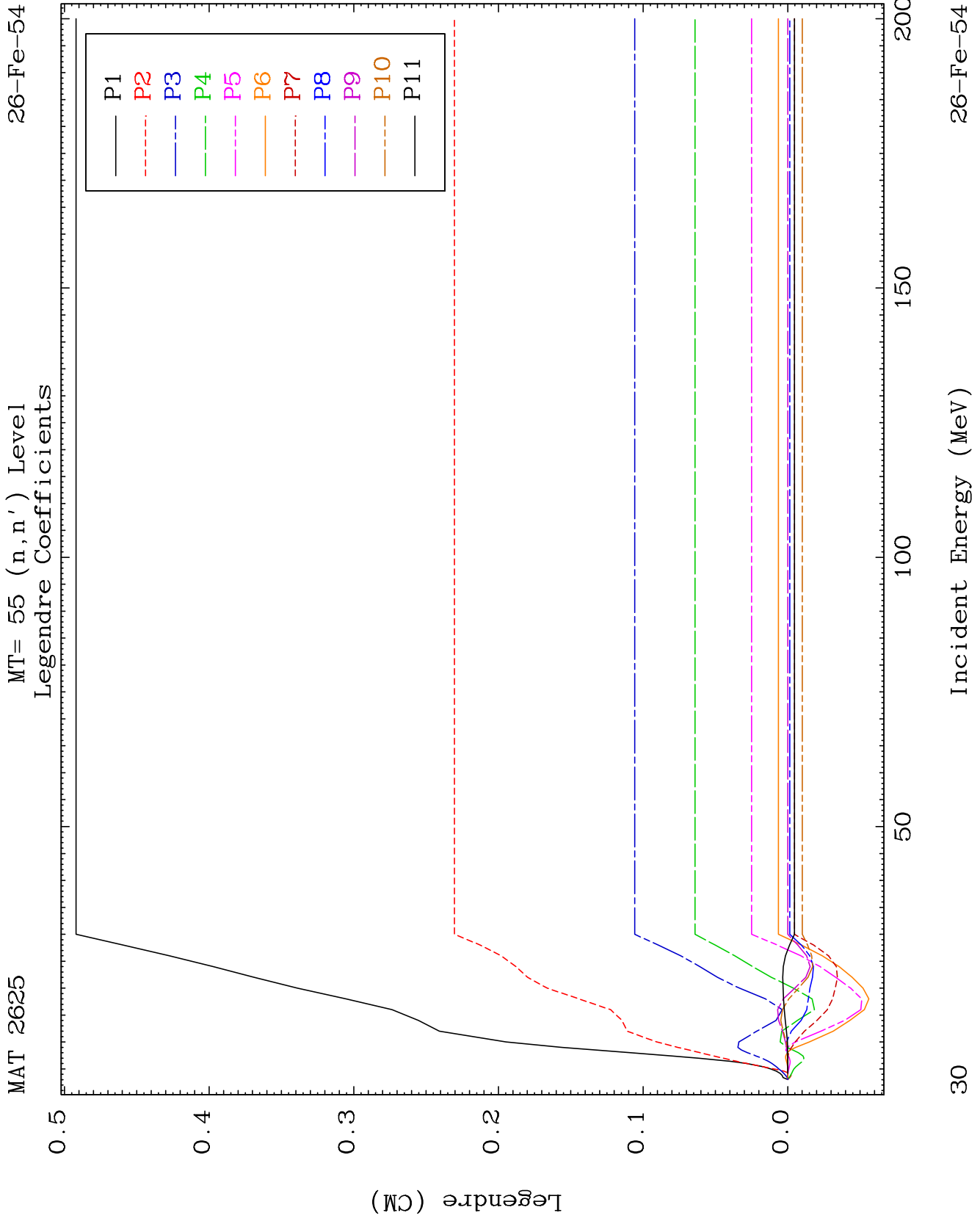
MAT 2625 MT= 54 (n,n') Level Legendre Coefficients 26-Fe-54



MAT 2625 MT= 54 (n,n') Level Legendre Coefficients 26-Fe-54



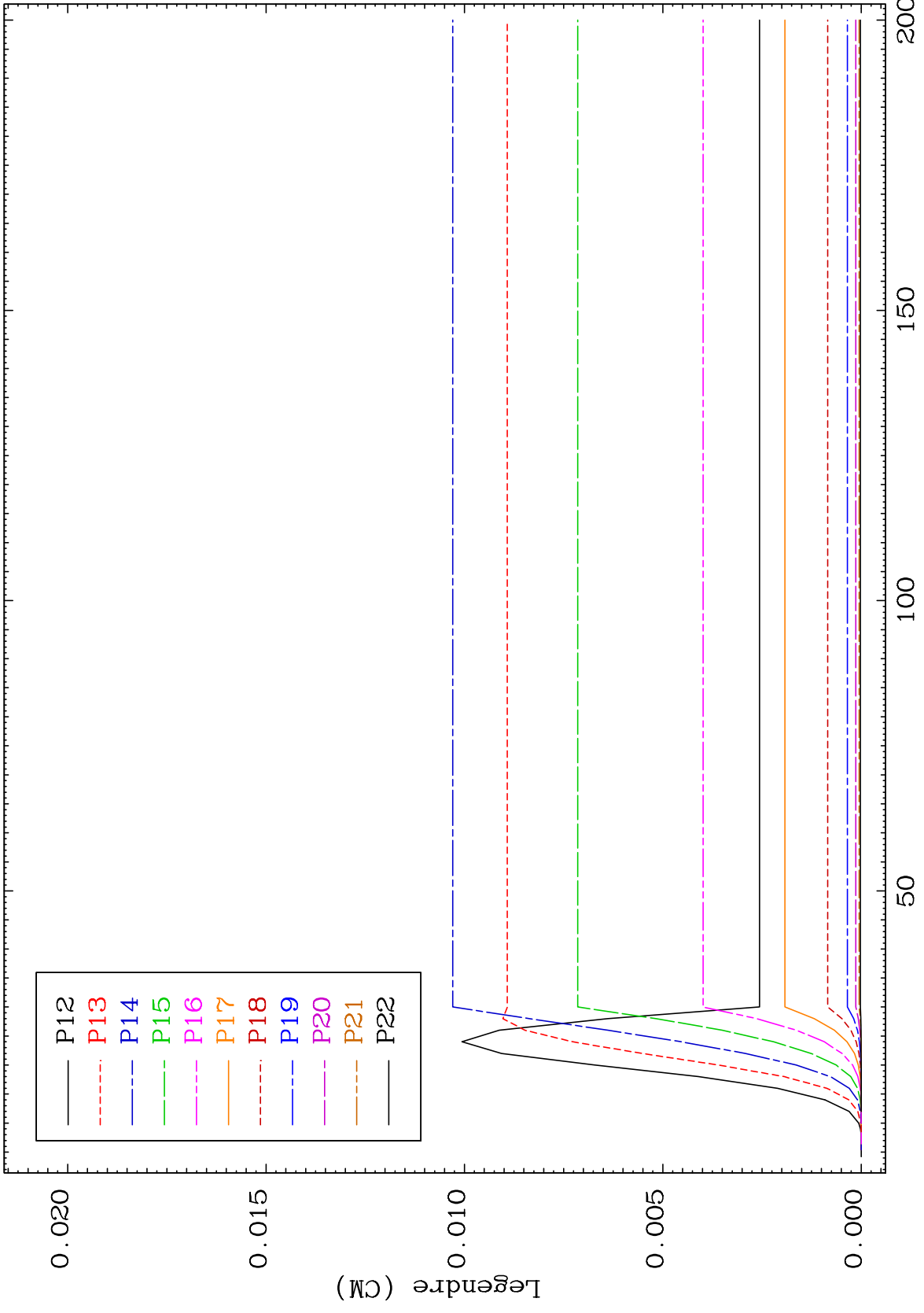
29 50 100 150 200 26-Fe-54



MAT 2625

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

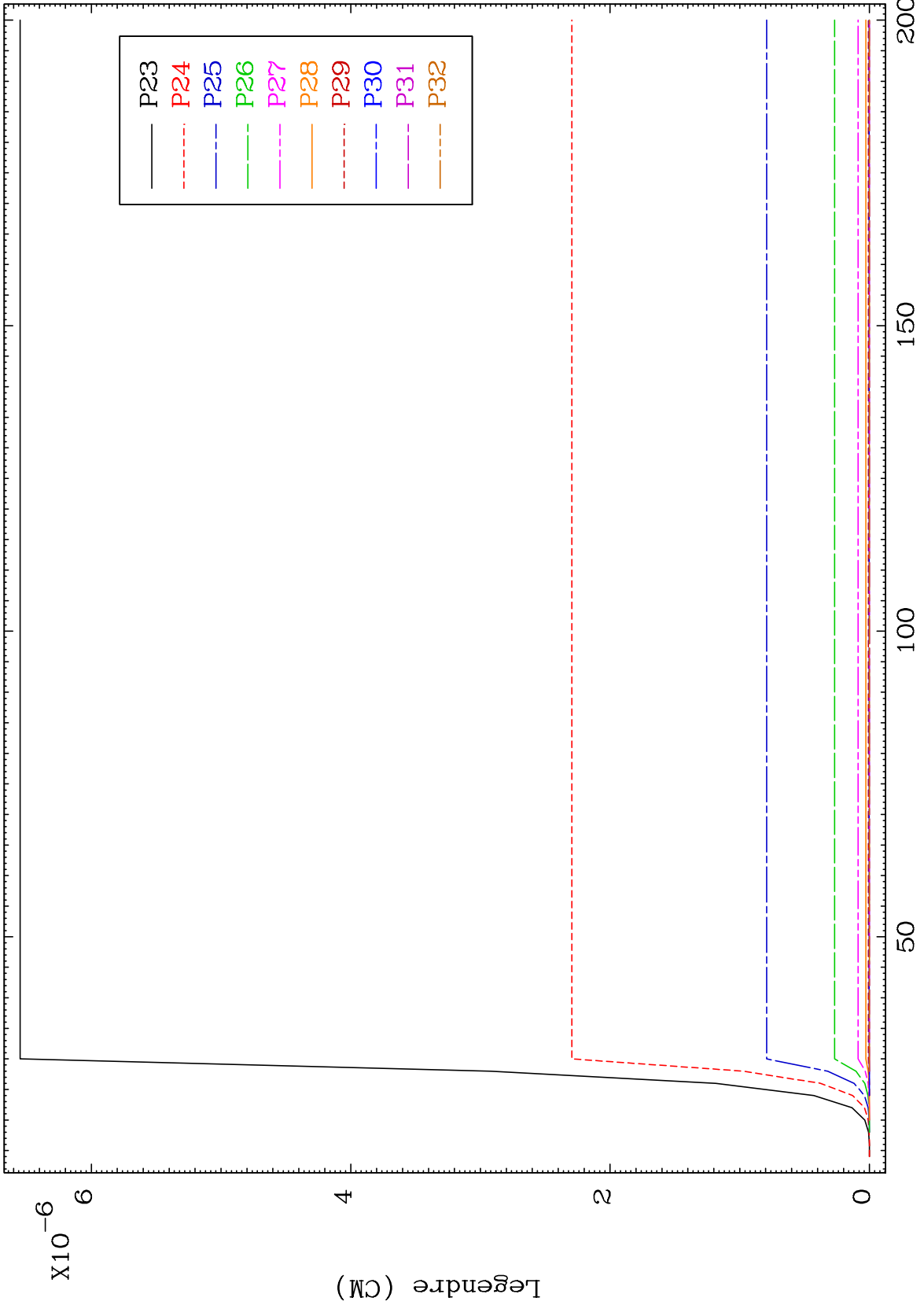
²⁶Fe-54



MAT 2625

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

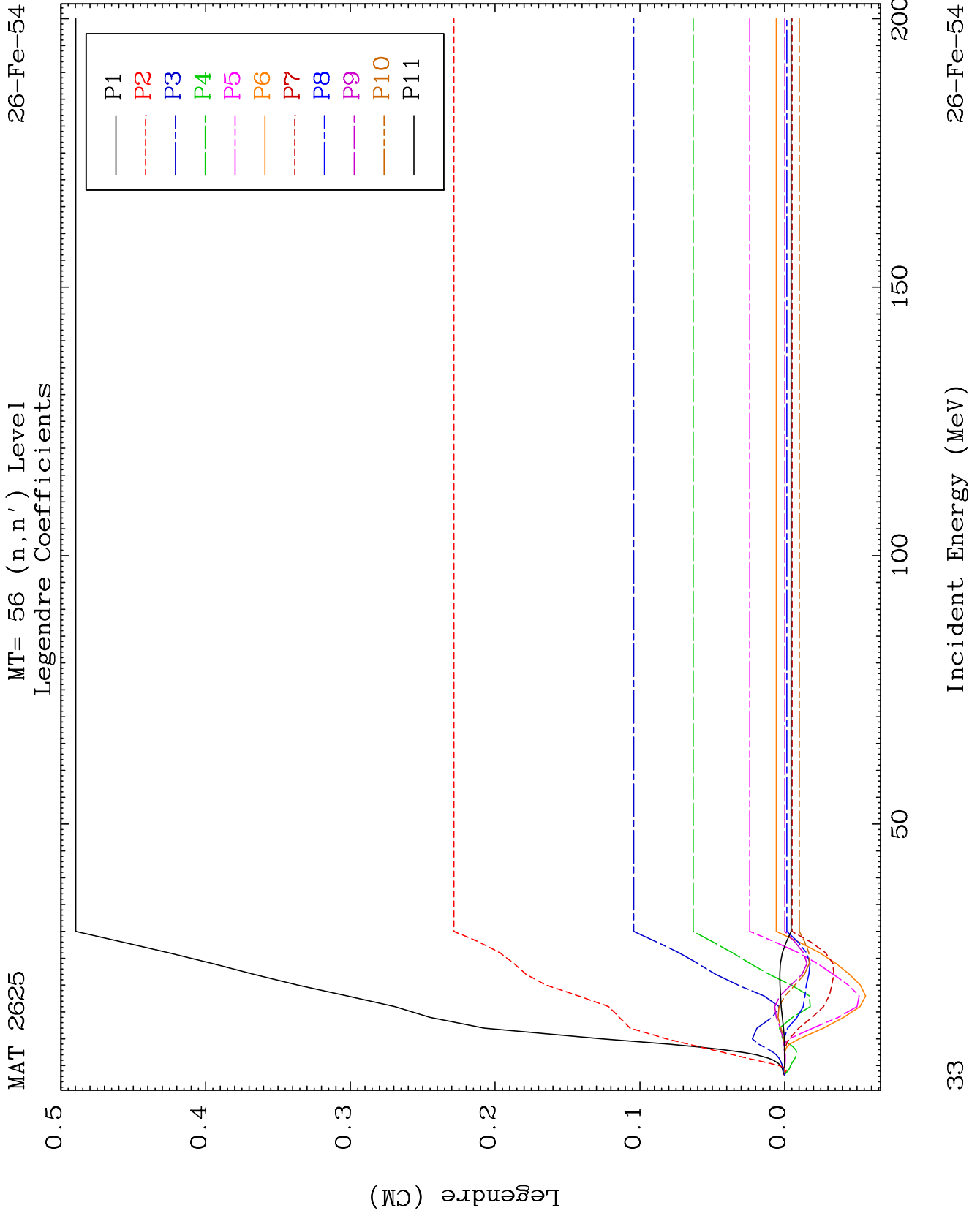
26-Fe-54



32

Incident Energy (MeV)

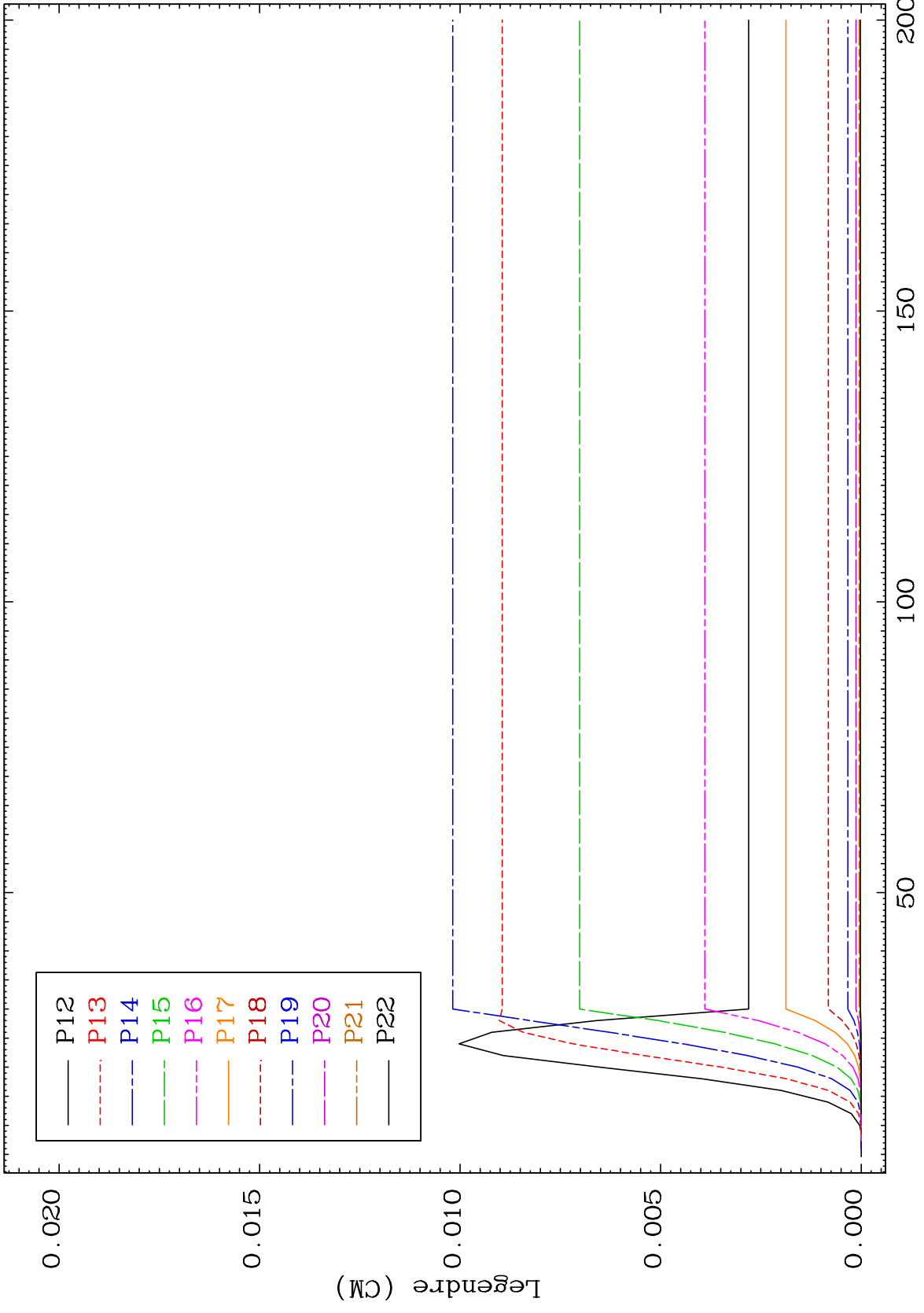
26-Fe-54



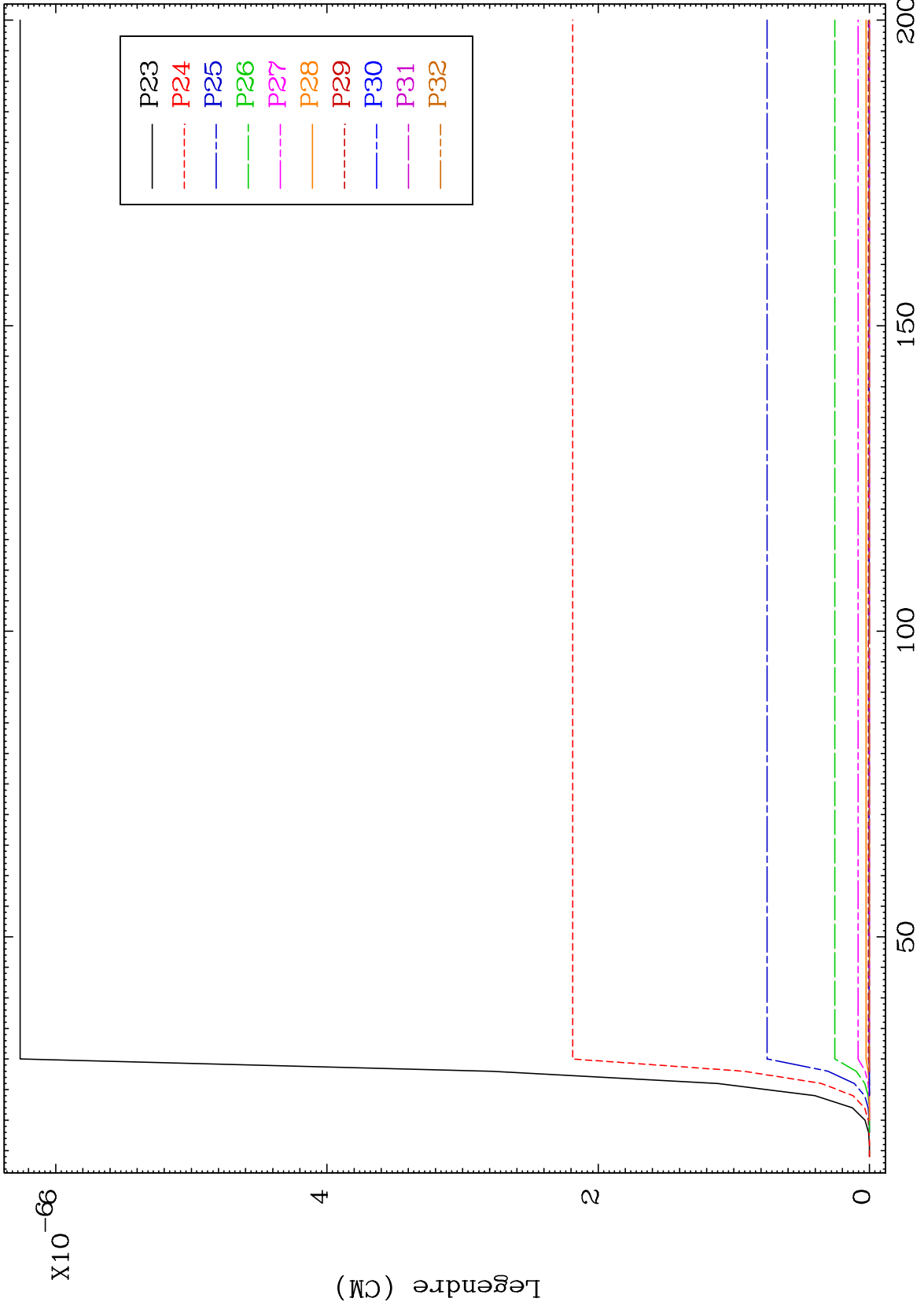
MAT 2625

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

26-Fe-54



MAT 2625 MT= 56 (n,n') Level Legendre Coefficients 26-Fe-54

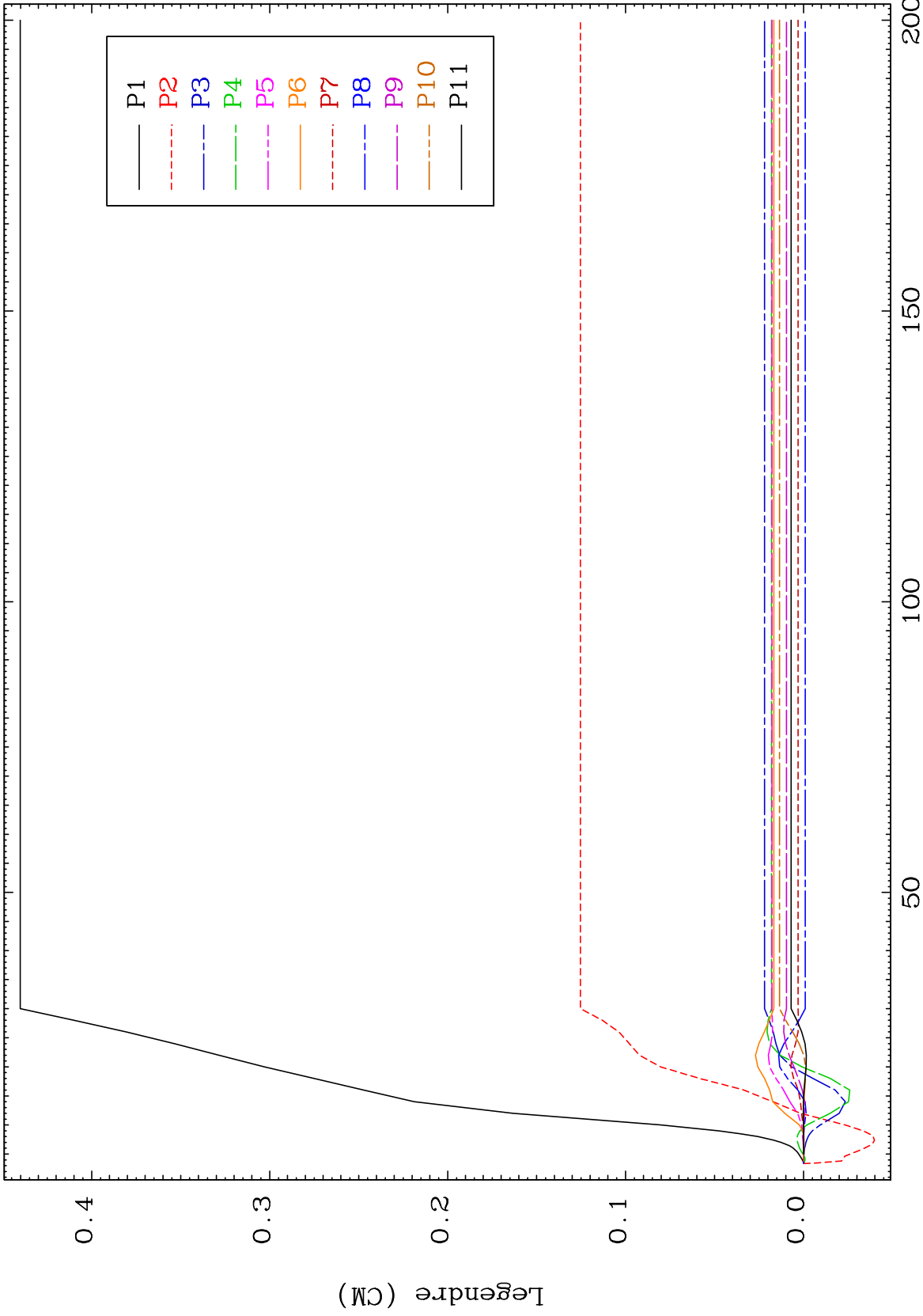


35 50 100 150 200 26-Fe-54

MAT 2625

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

26-Fe-54



36

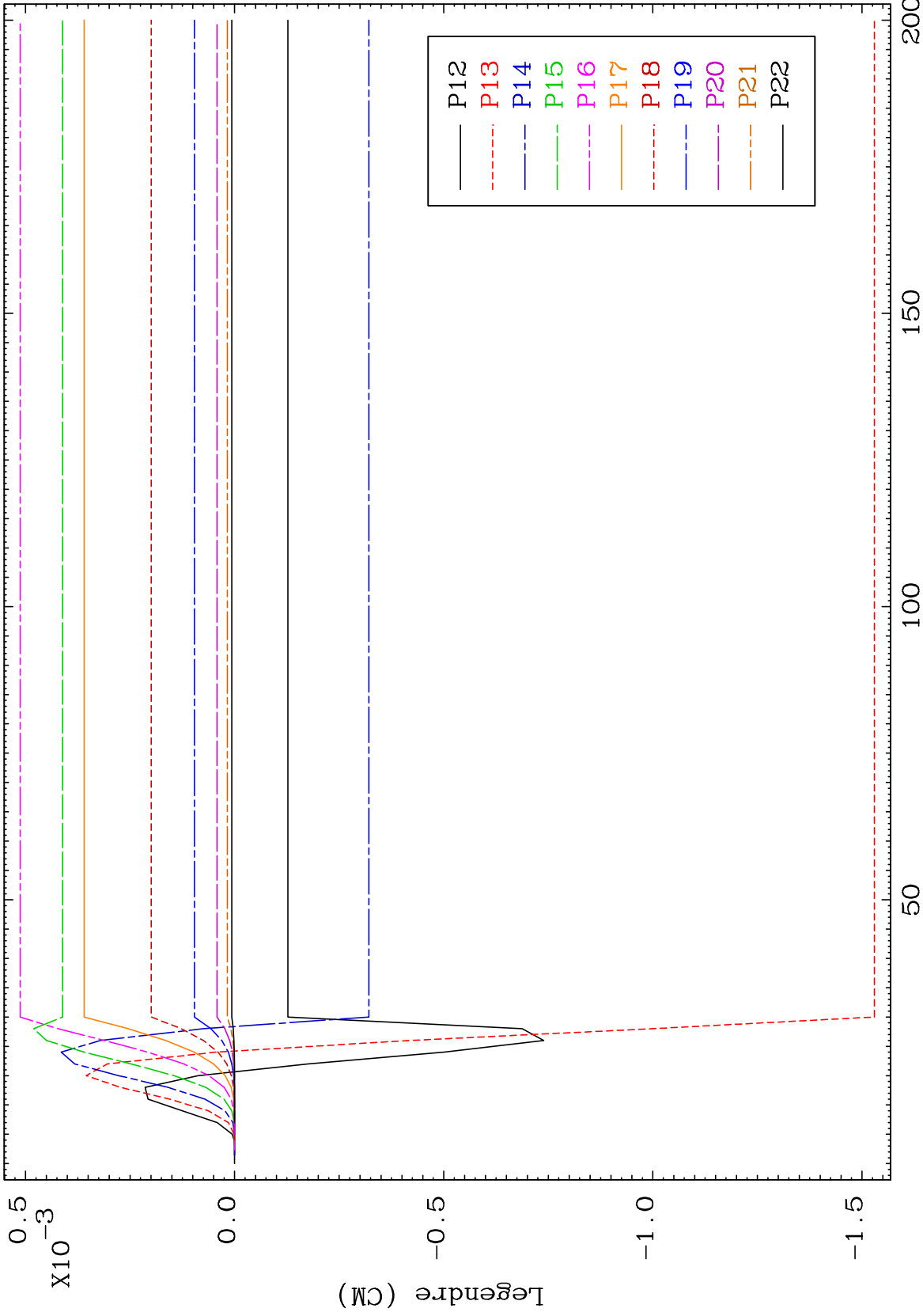
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

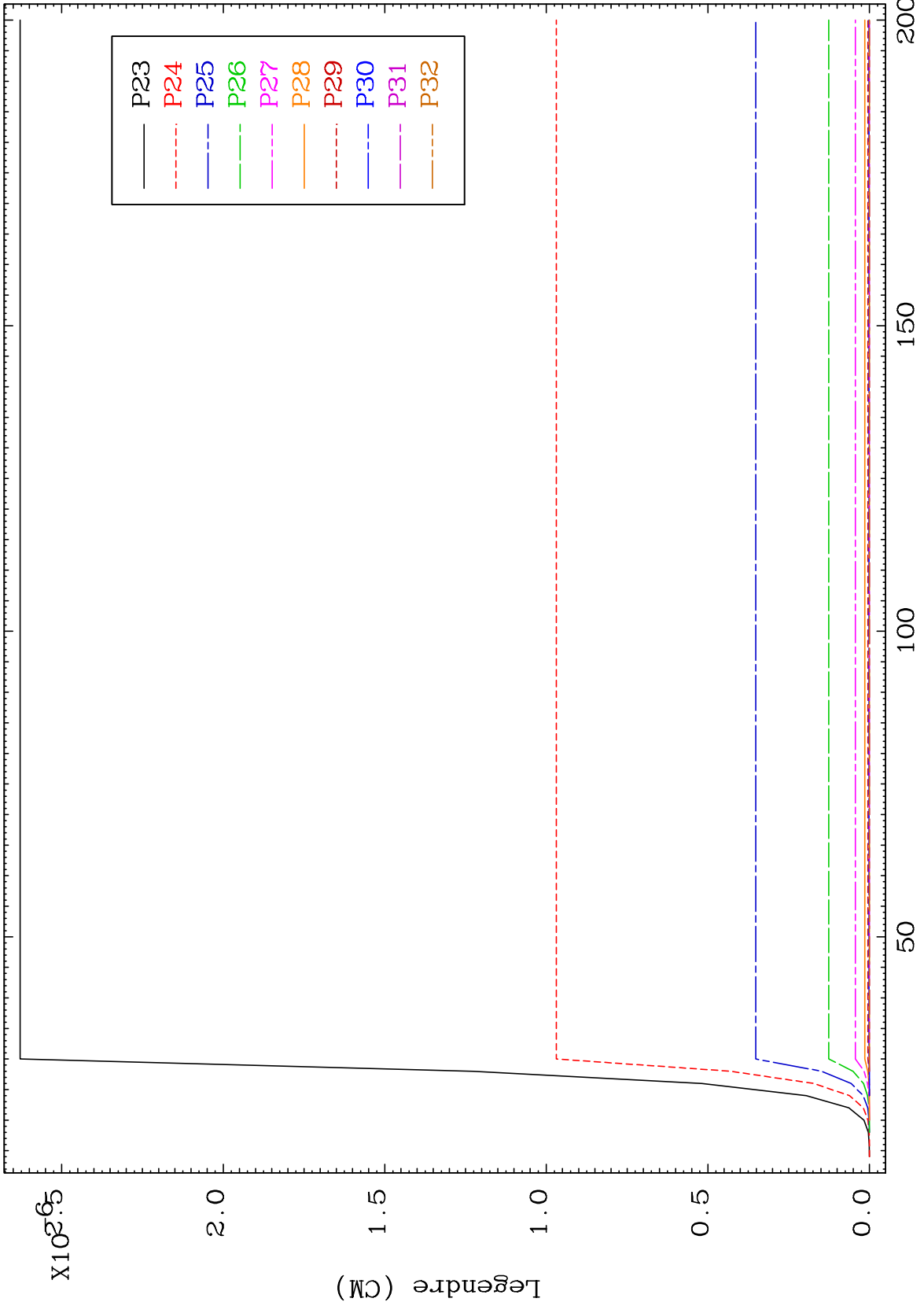
26-Fe-54



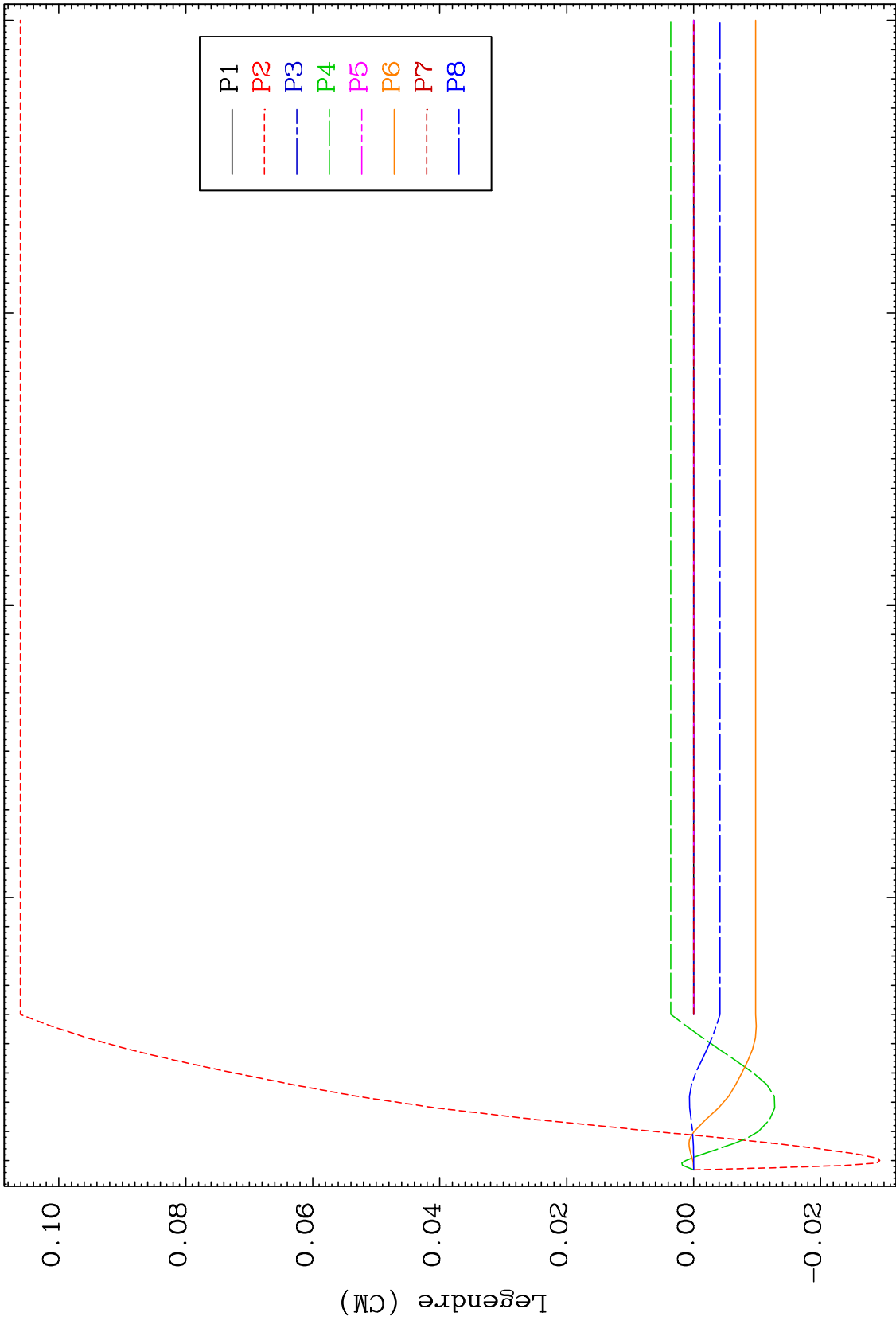
26-Fe-54

Incident Energy (MeV)

37

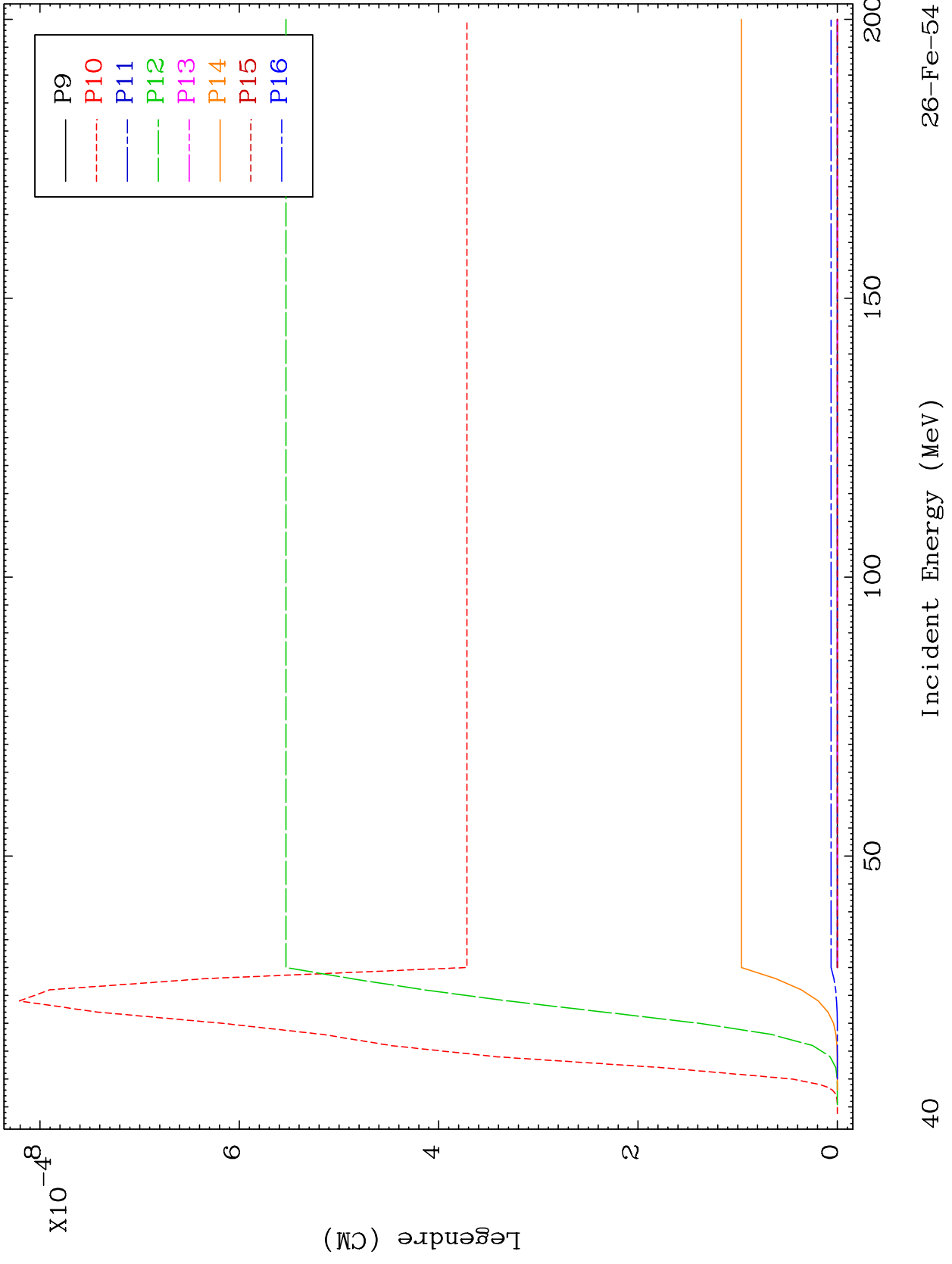


MAT 2625 MT= 58 (n,n') Level Legendre Coefficients 26-Fe-54

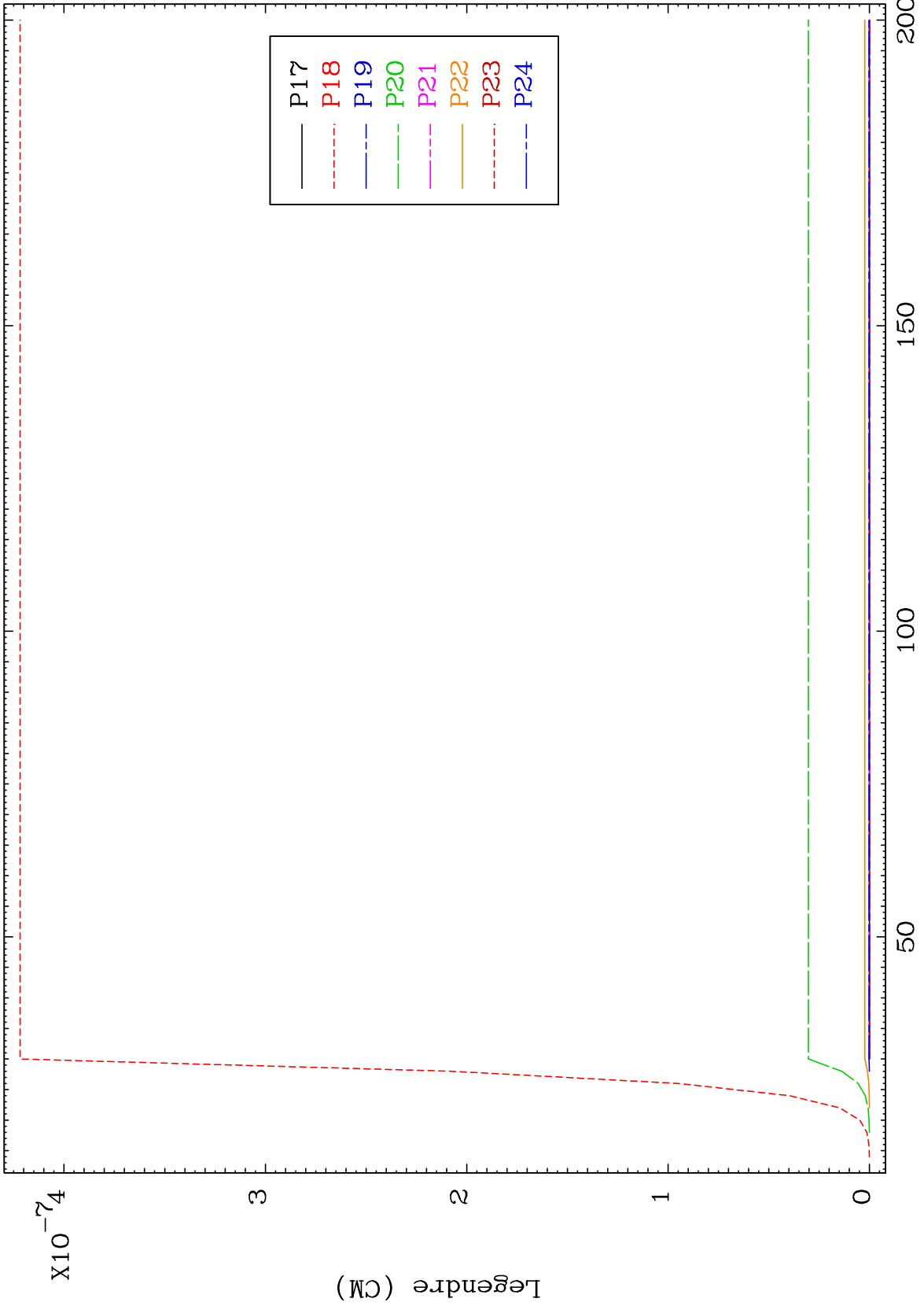


39 Incident Energy (MeV) 26-Fe-54

MAT 2625 MT= 58 (n,n') Level Legendre Coefficients 26-Fe-54



MAT 2625 MT= 58 (n,n') Level Legendre Coefficients 26-Fe-54

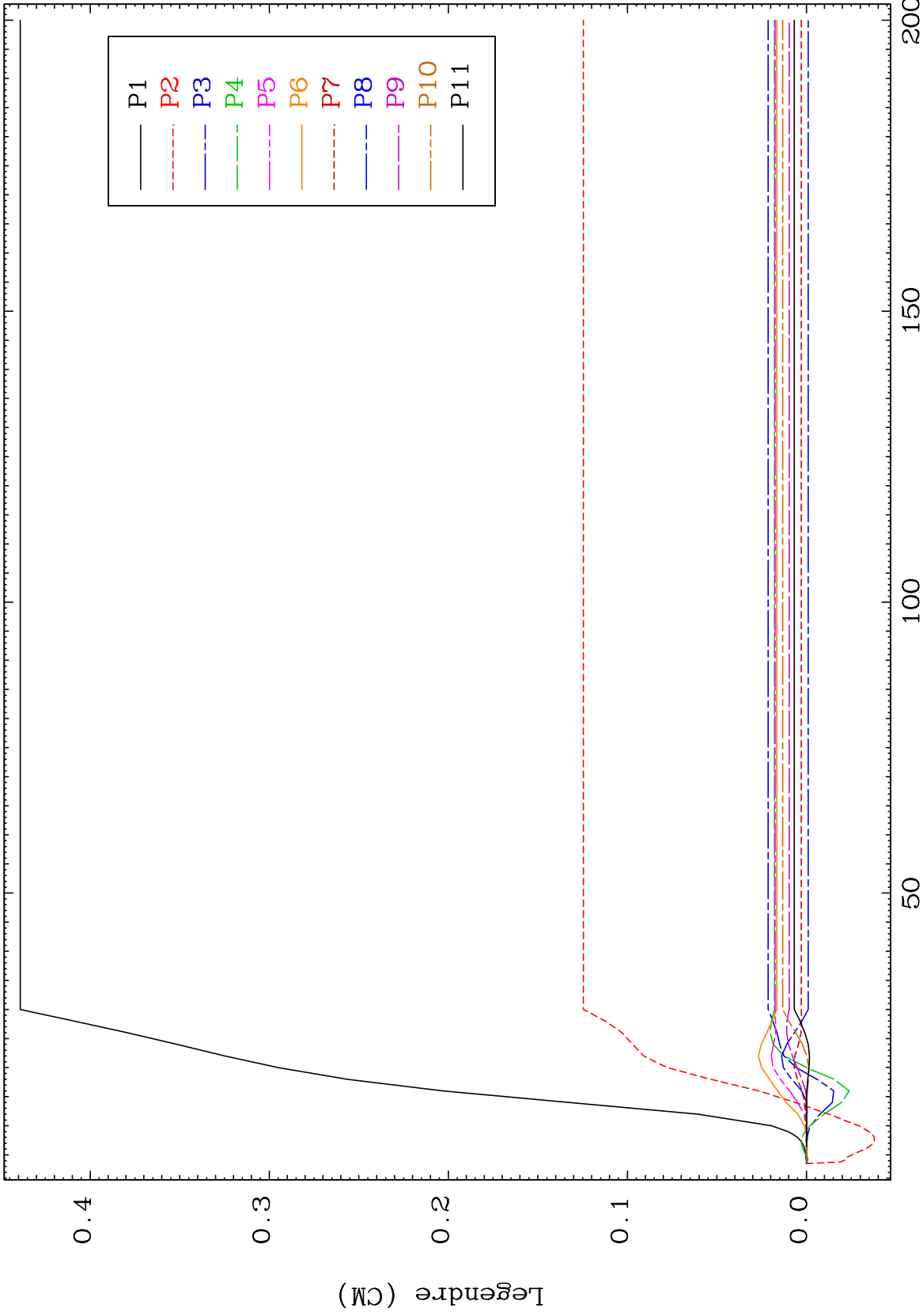


41 50 100 150 200 26-Fe-54

MAT 2625

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

26-Fe-54

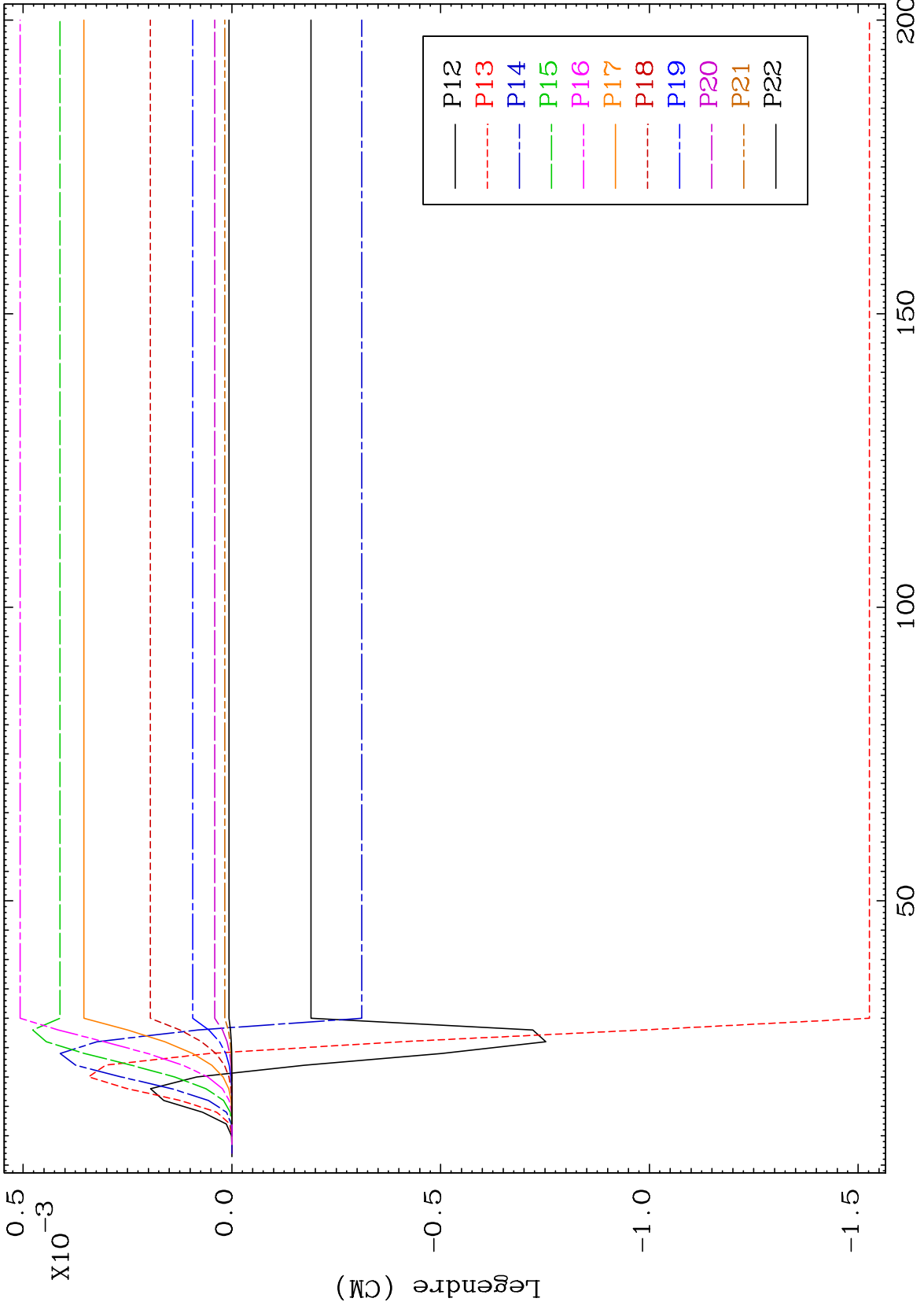


42

Incident Energy (MeV)

26-Fe-54

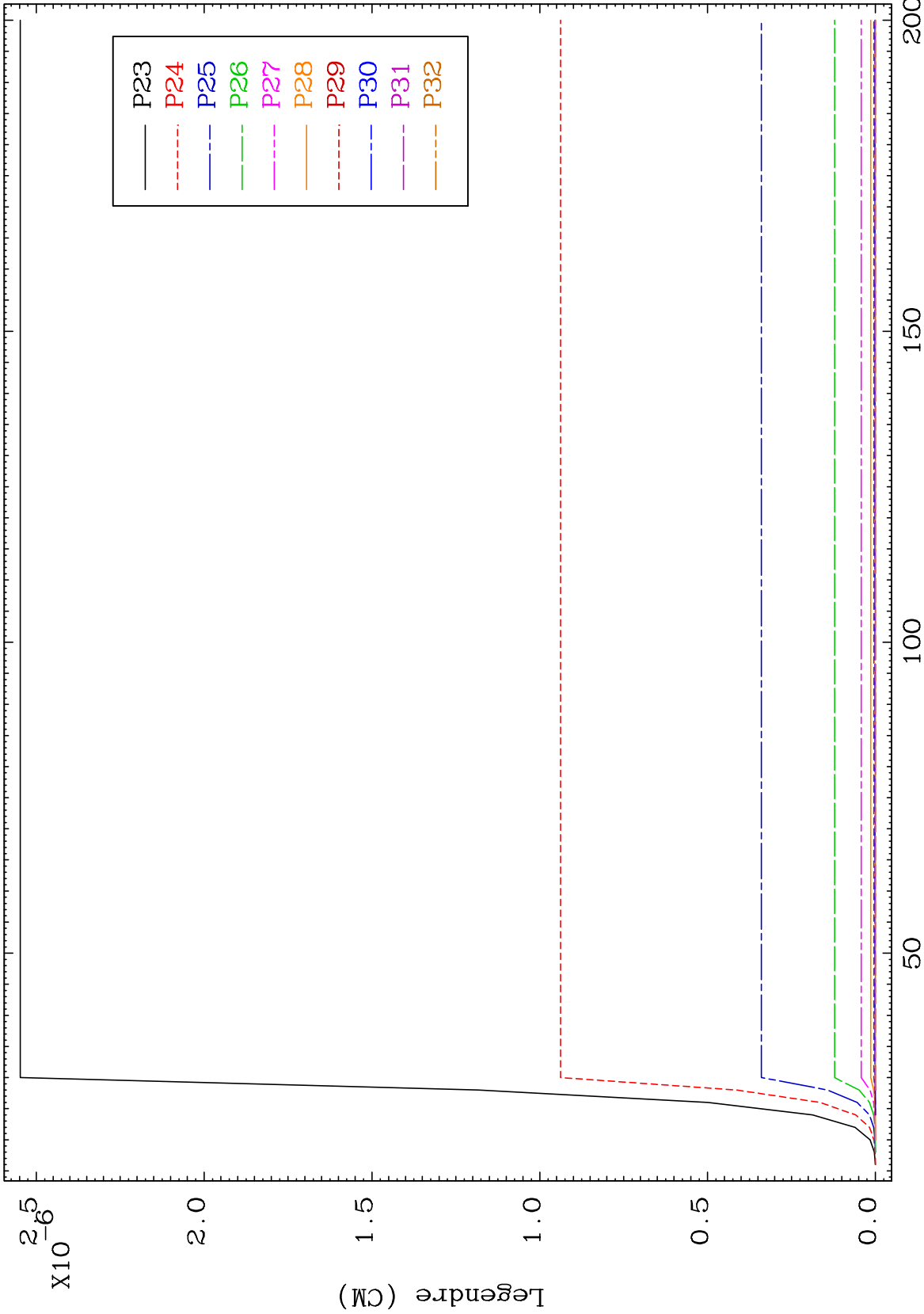
MAT 2625 MT= 59 (n,n') Level Legendre Coefficients 26-Fe-54



MAT 2625

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

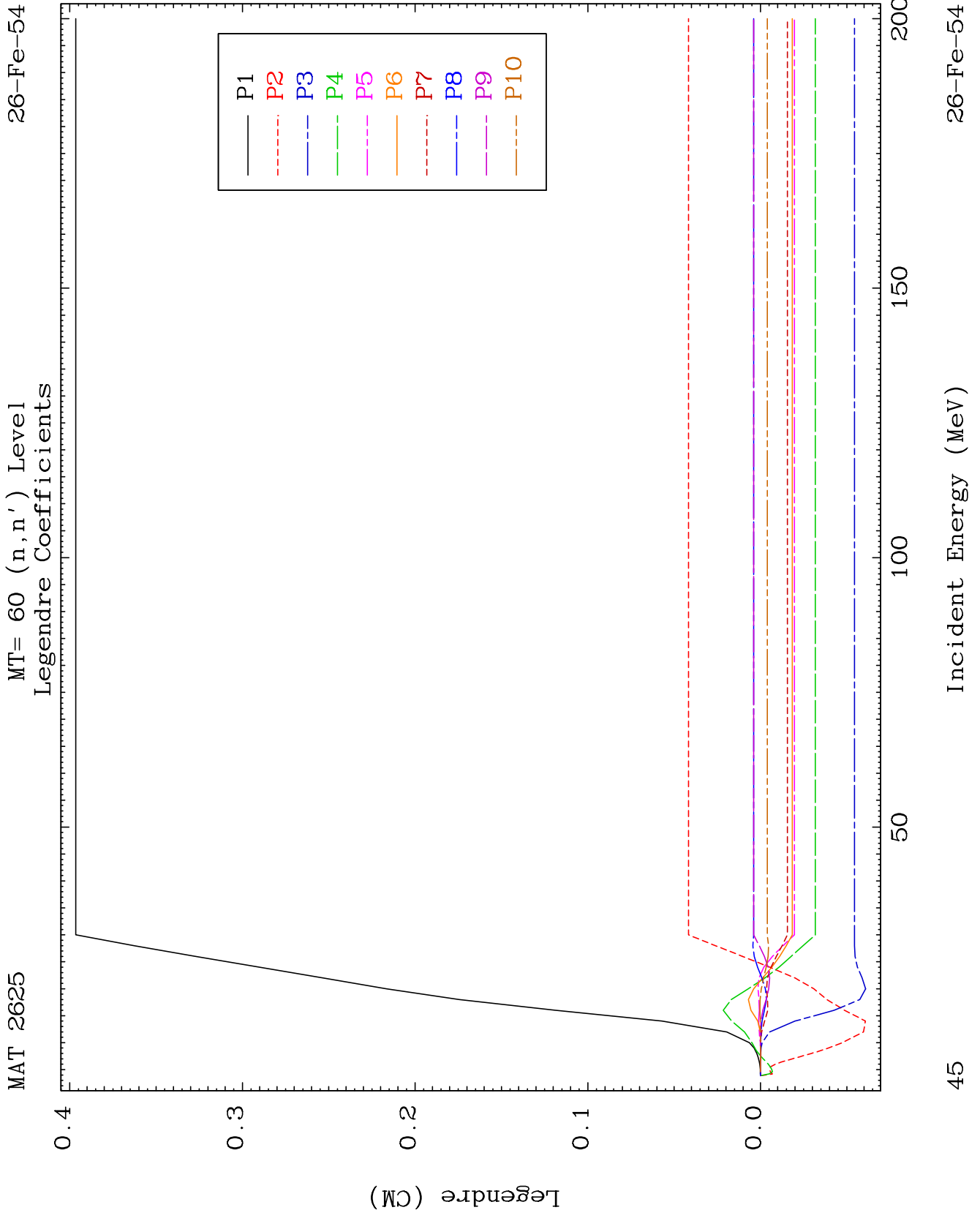
26-Fe-54



44

Incident Energy (MeV)

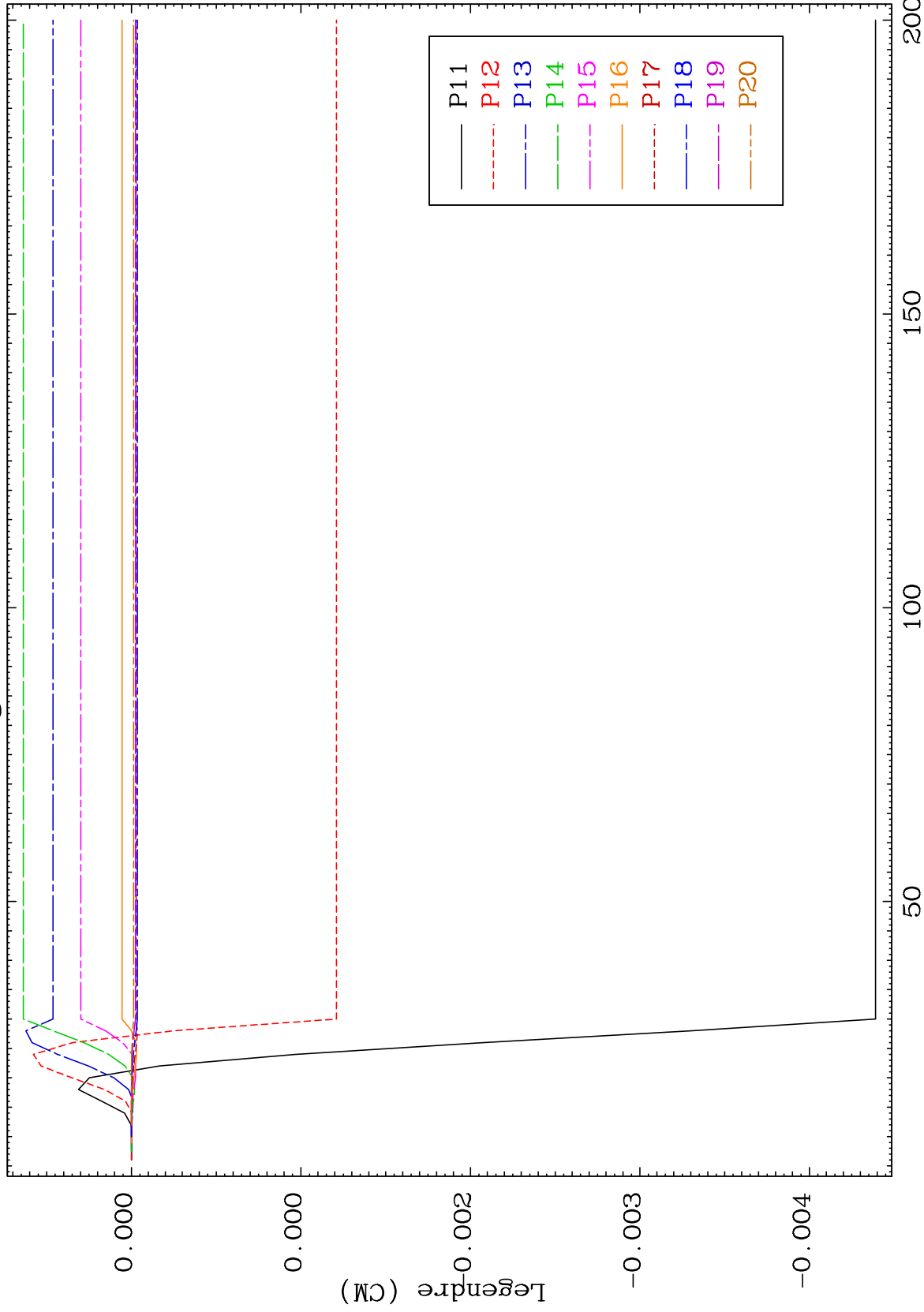
26-Fe-54



MAT 2625

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

26-Fe-54

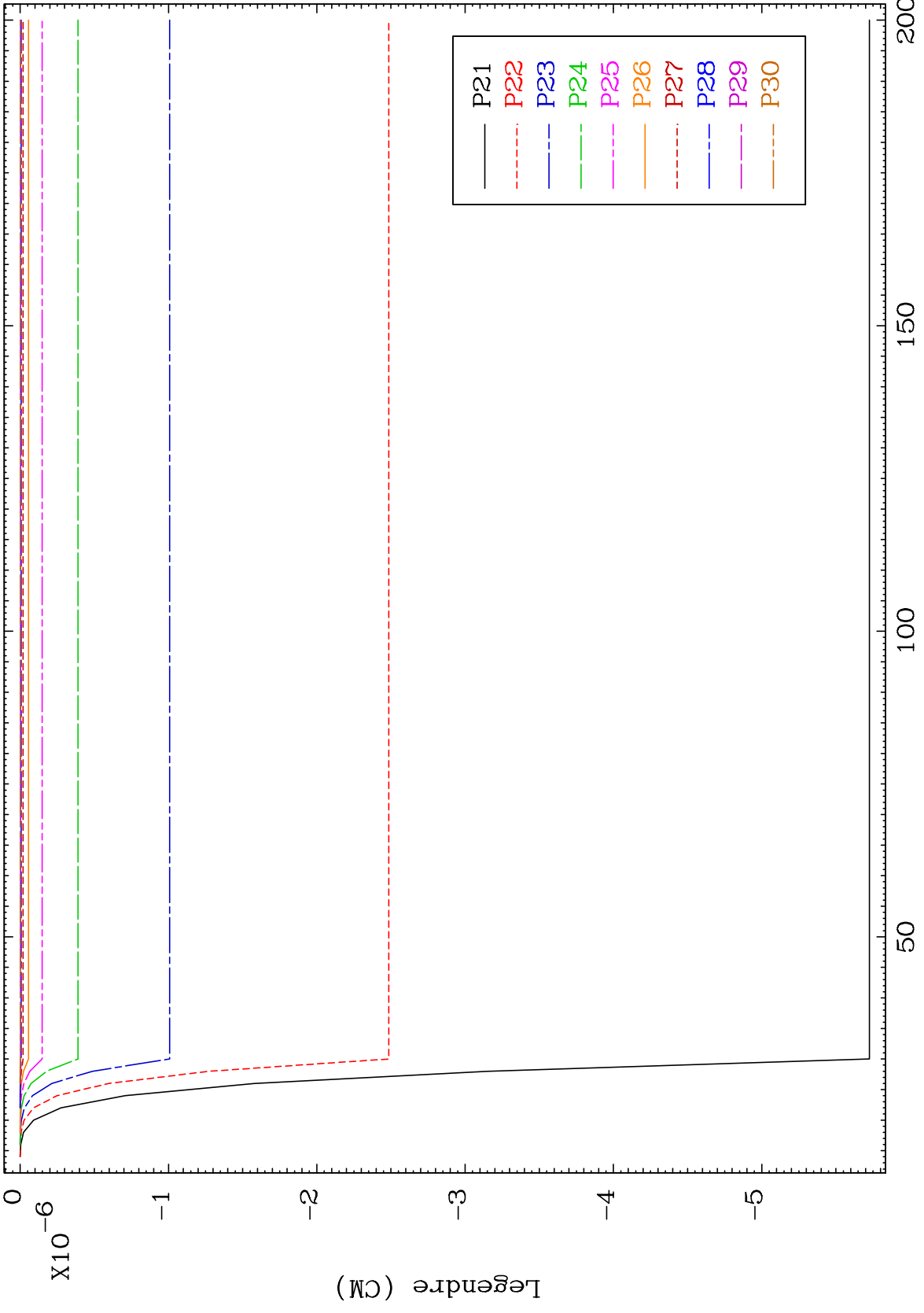


46

Incident Energy (MeV)

26-Fe-54

MAT 2625 MT= 60 (n,n') Level Legendre Coefficients 26-Fe-54

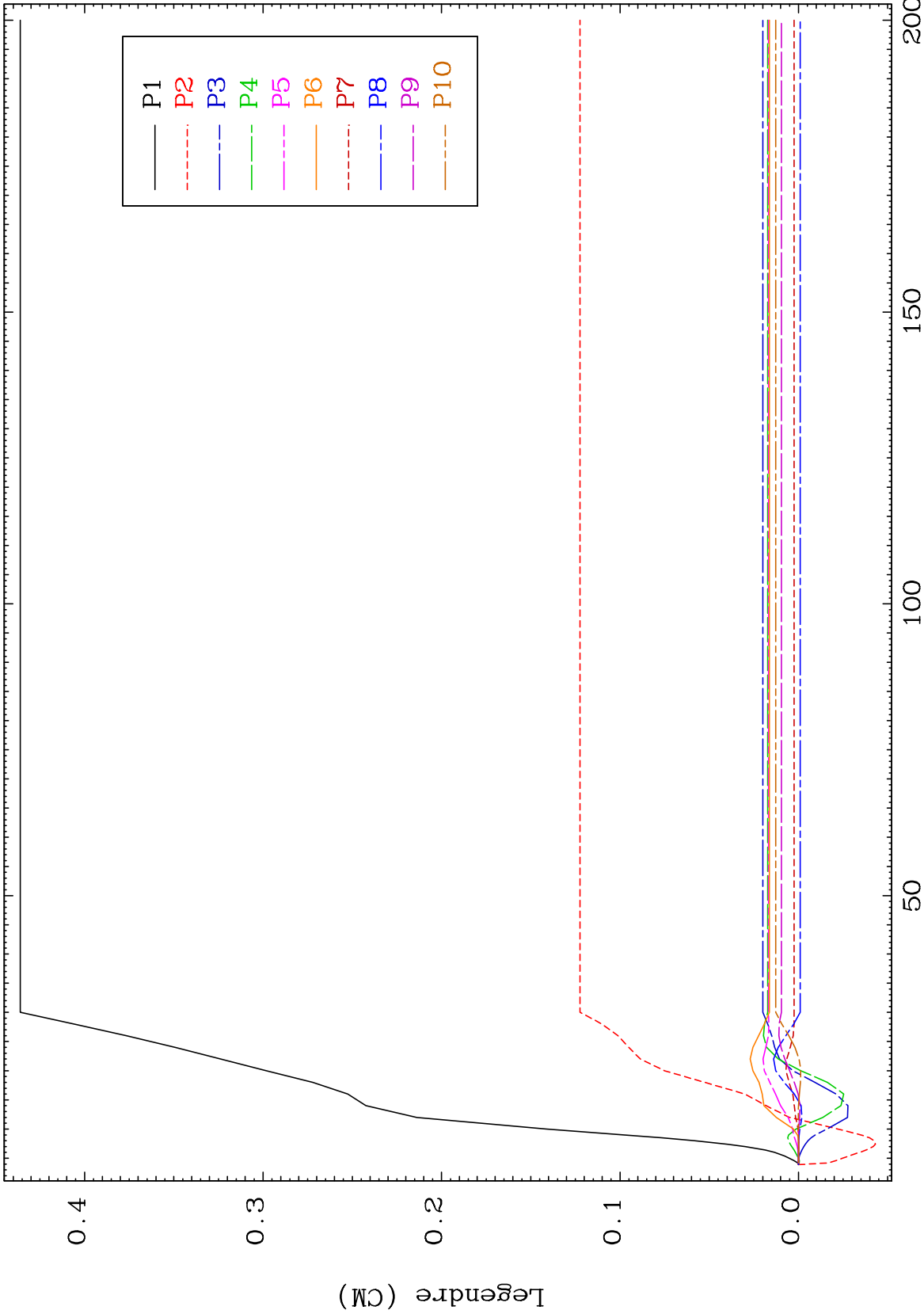


47 Incident Energy (MeV) 26-Fe-54

MAT 2625

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

26-Fe-54



48

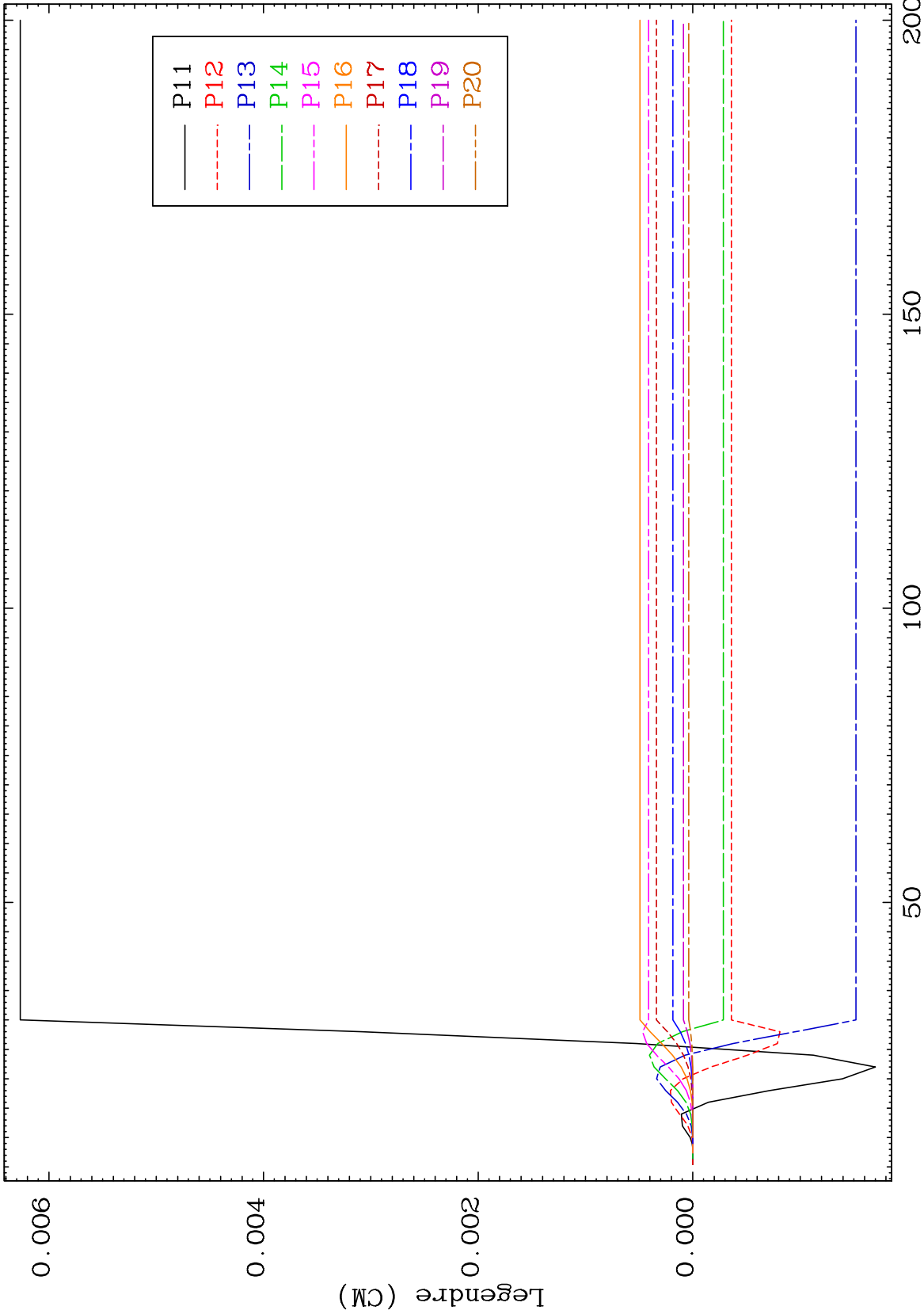
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54

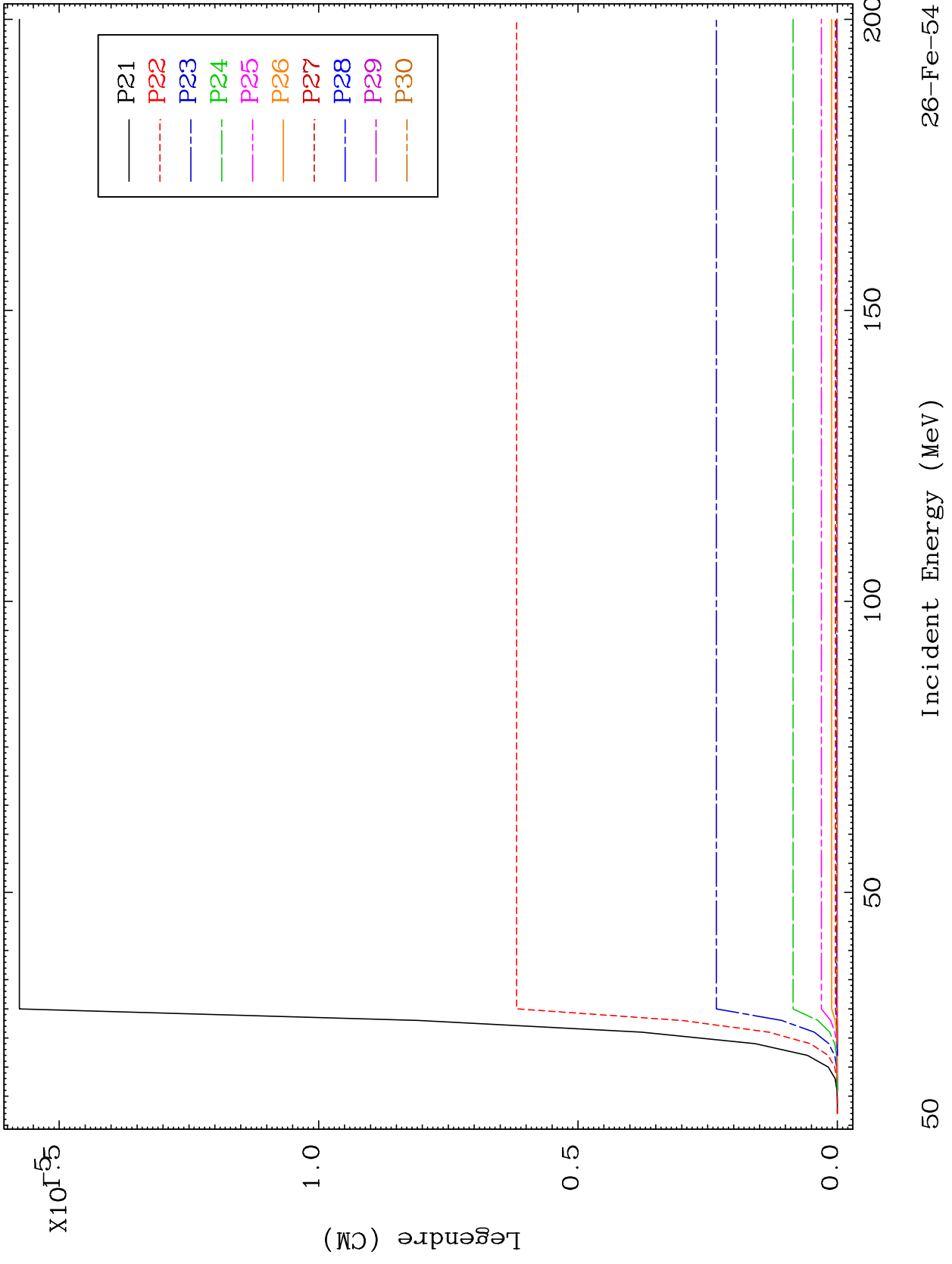


49

Incident Energy (MeV)

26-Fe-54

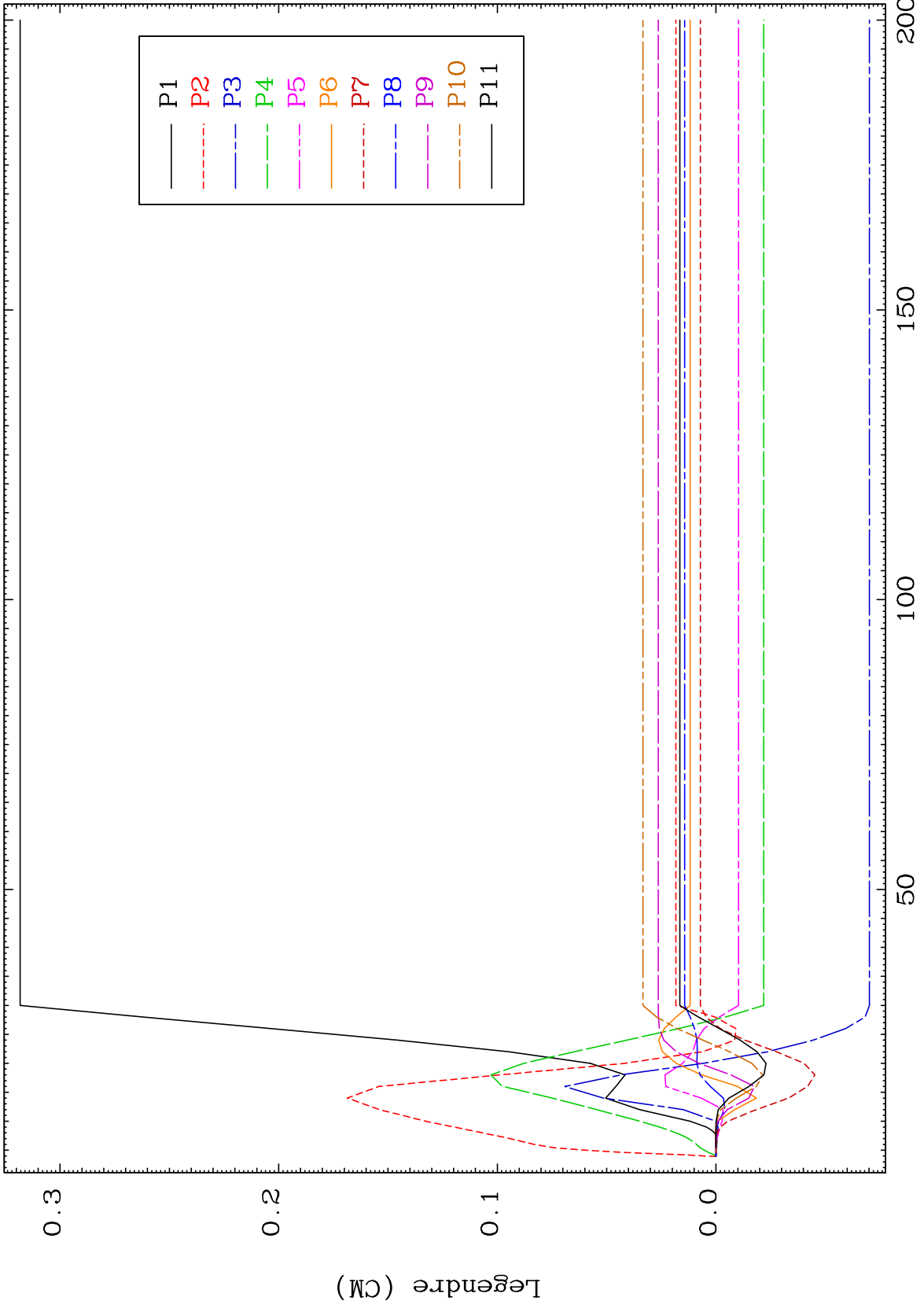
MAT 2625 MT= 61 (n,n') Level Legendre Coefficients 26-Fe-54



MAT 2625

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

26-Fe-54



51

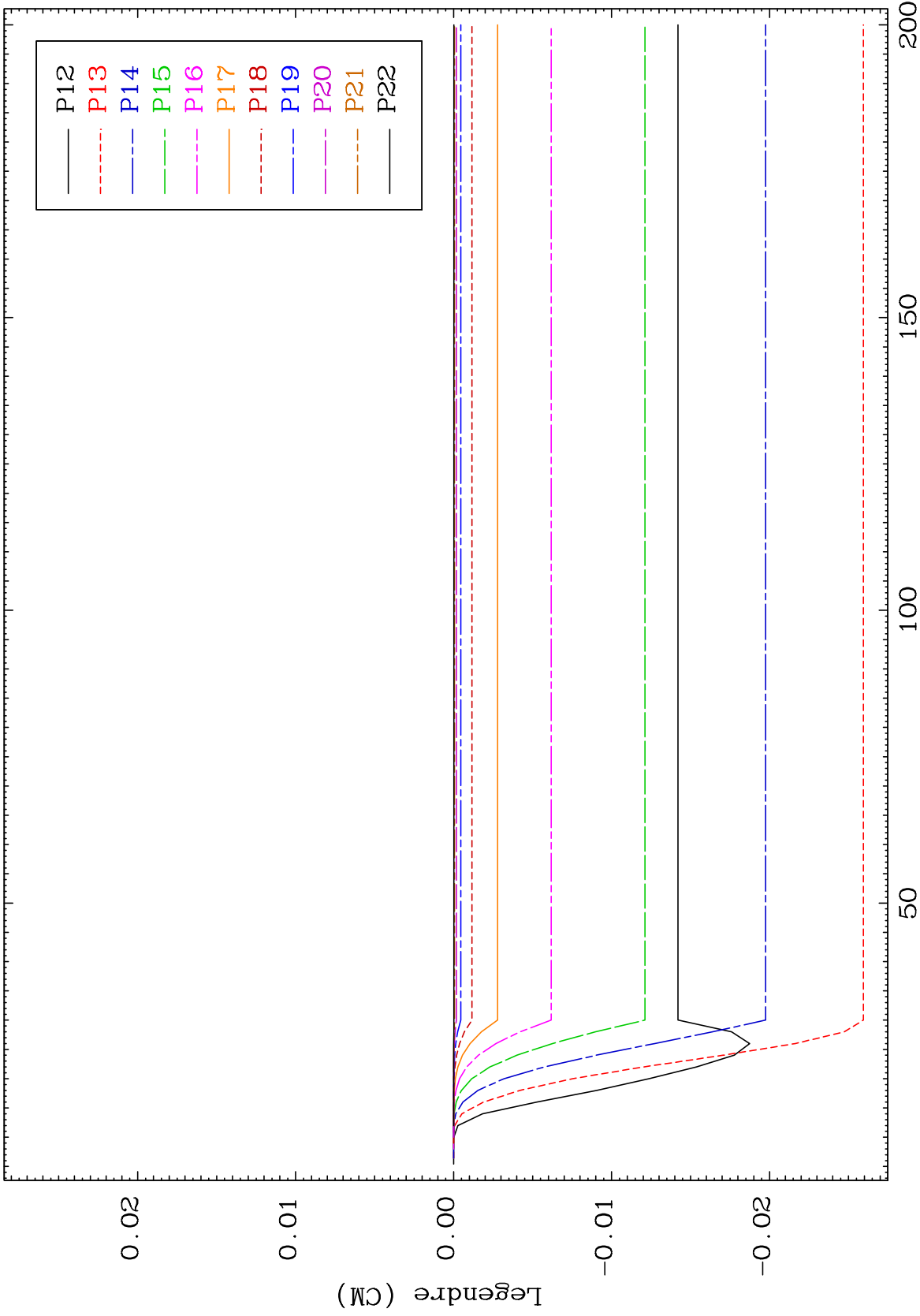
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54



52

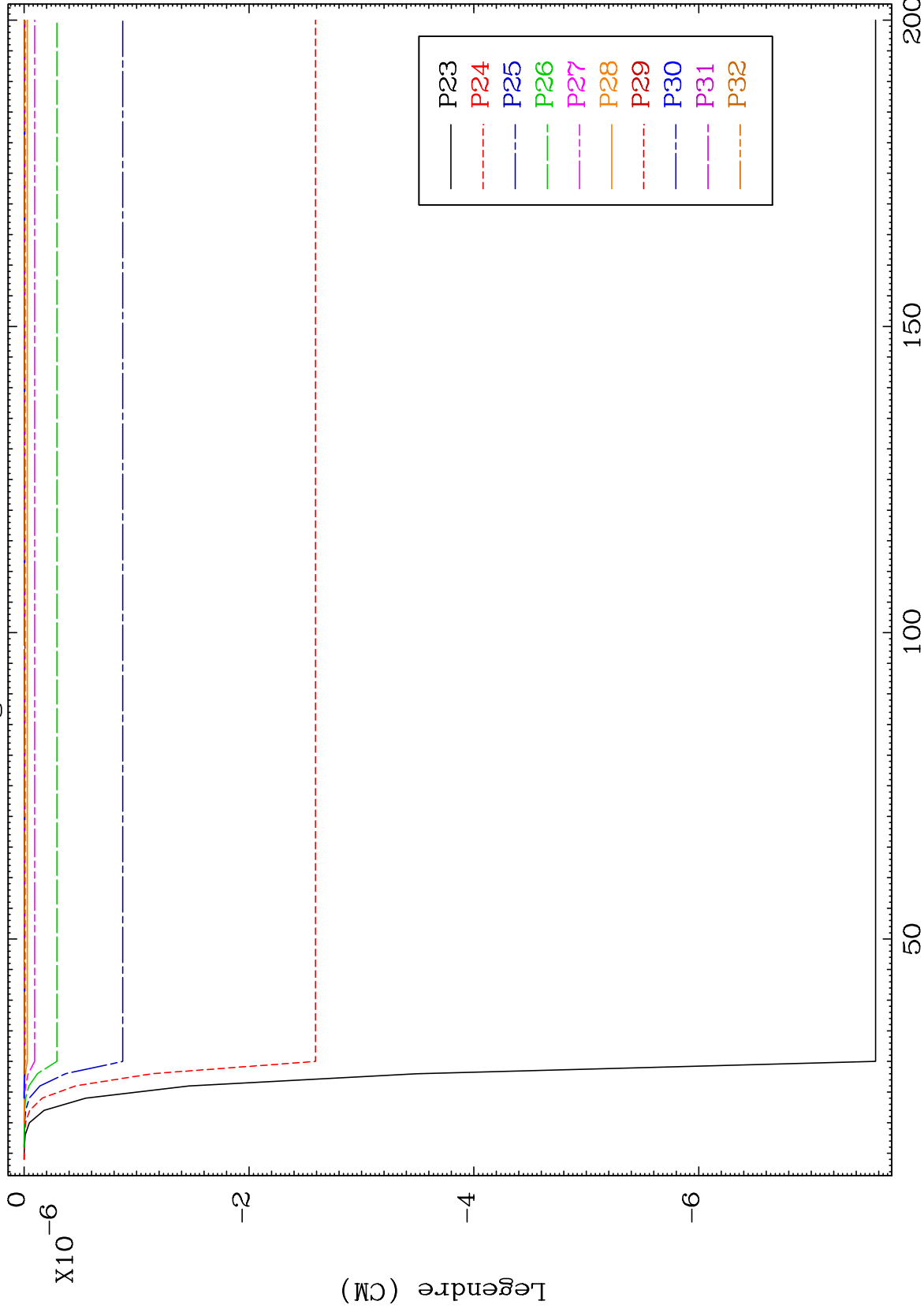
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54



26-Fe-54

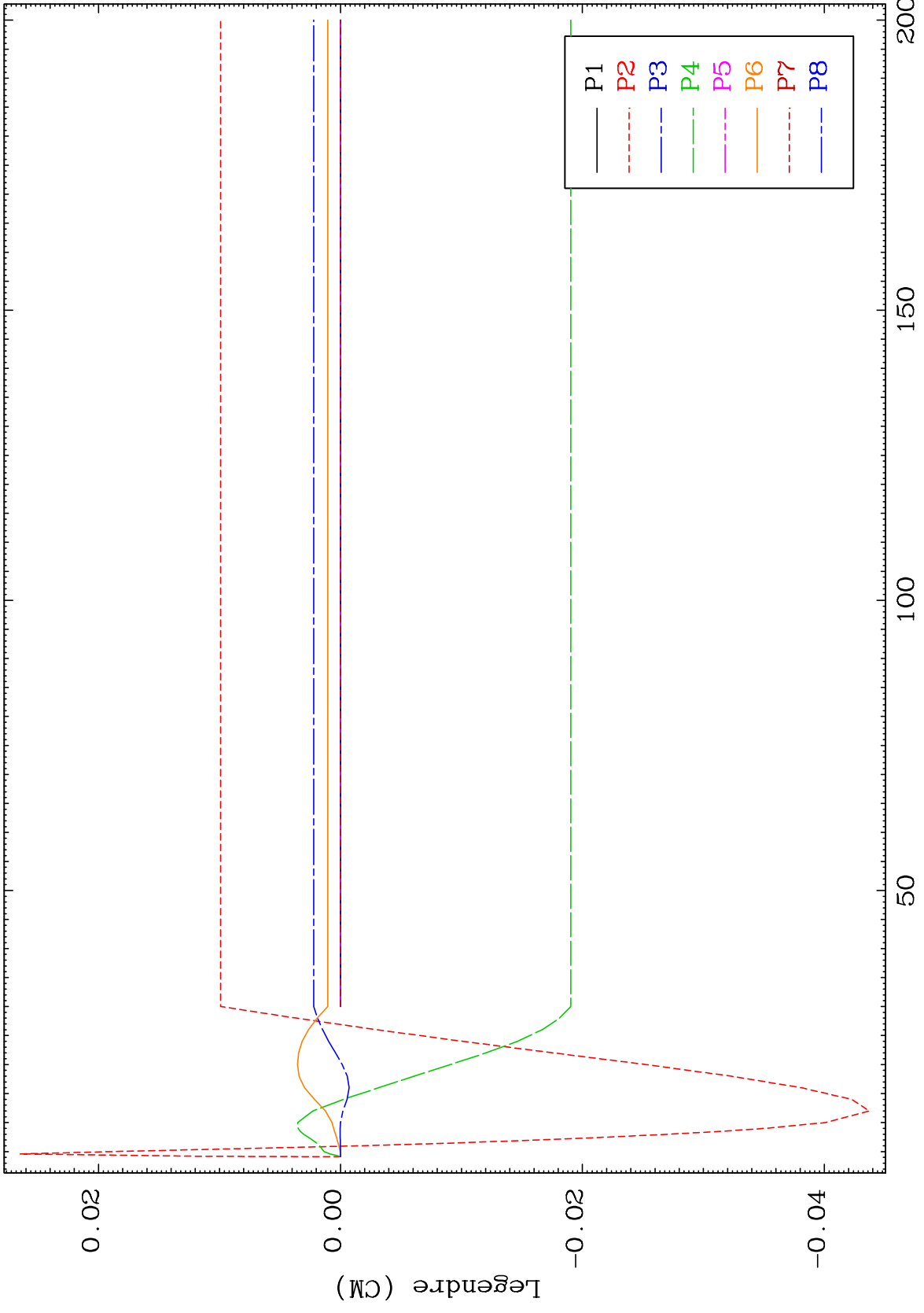
Incident Energy (MeV)

53

MAT 2625

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

26-Fe-54

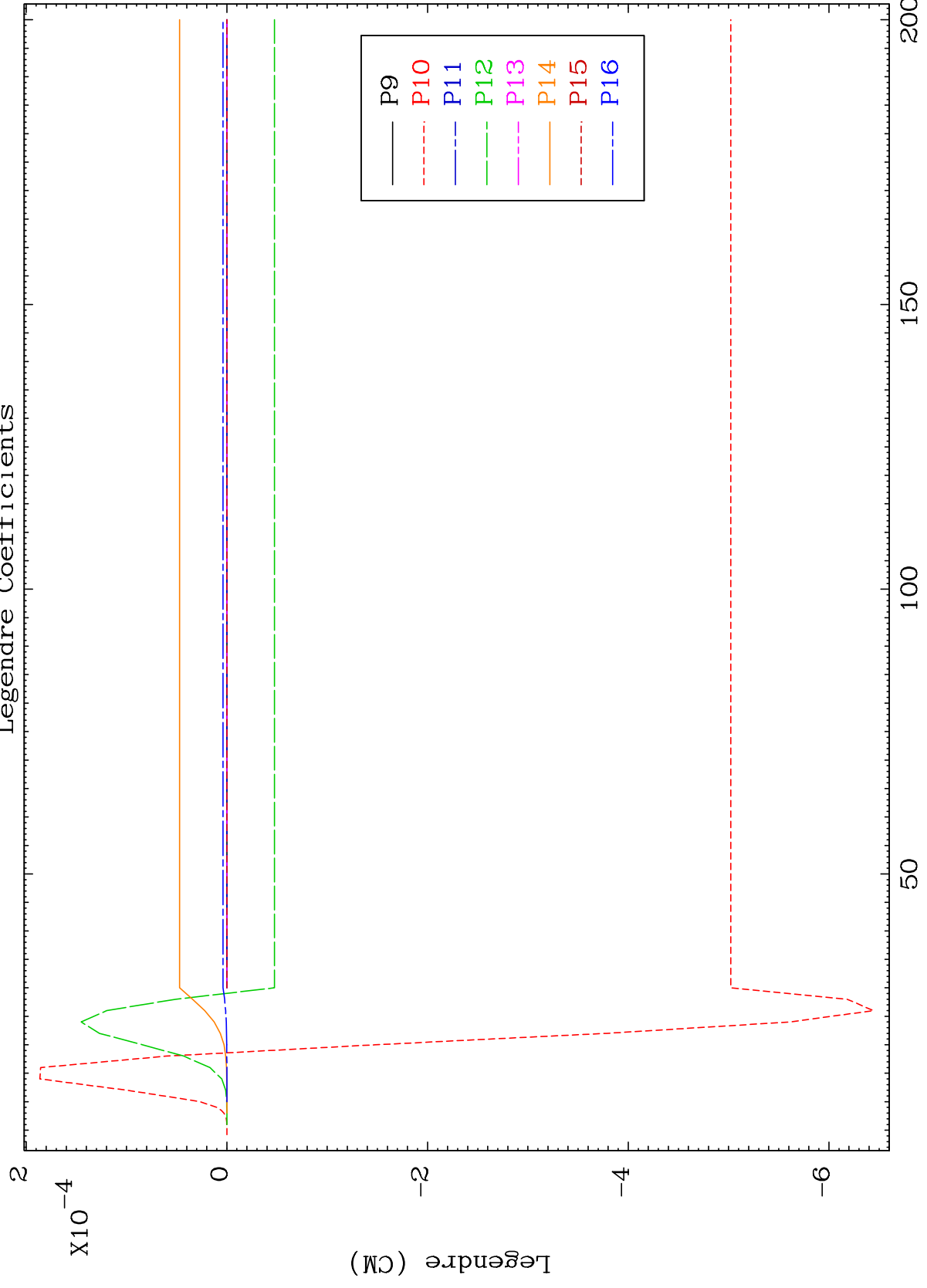


54

Incident Energy (MeV)

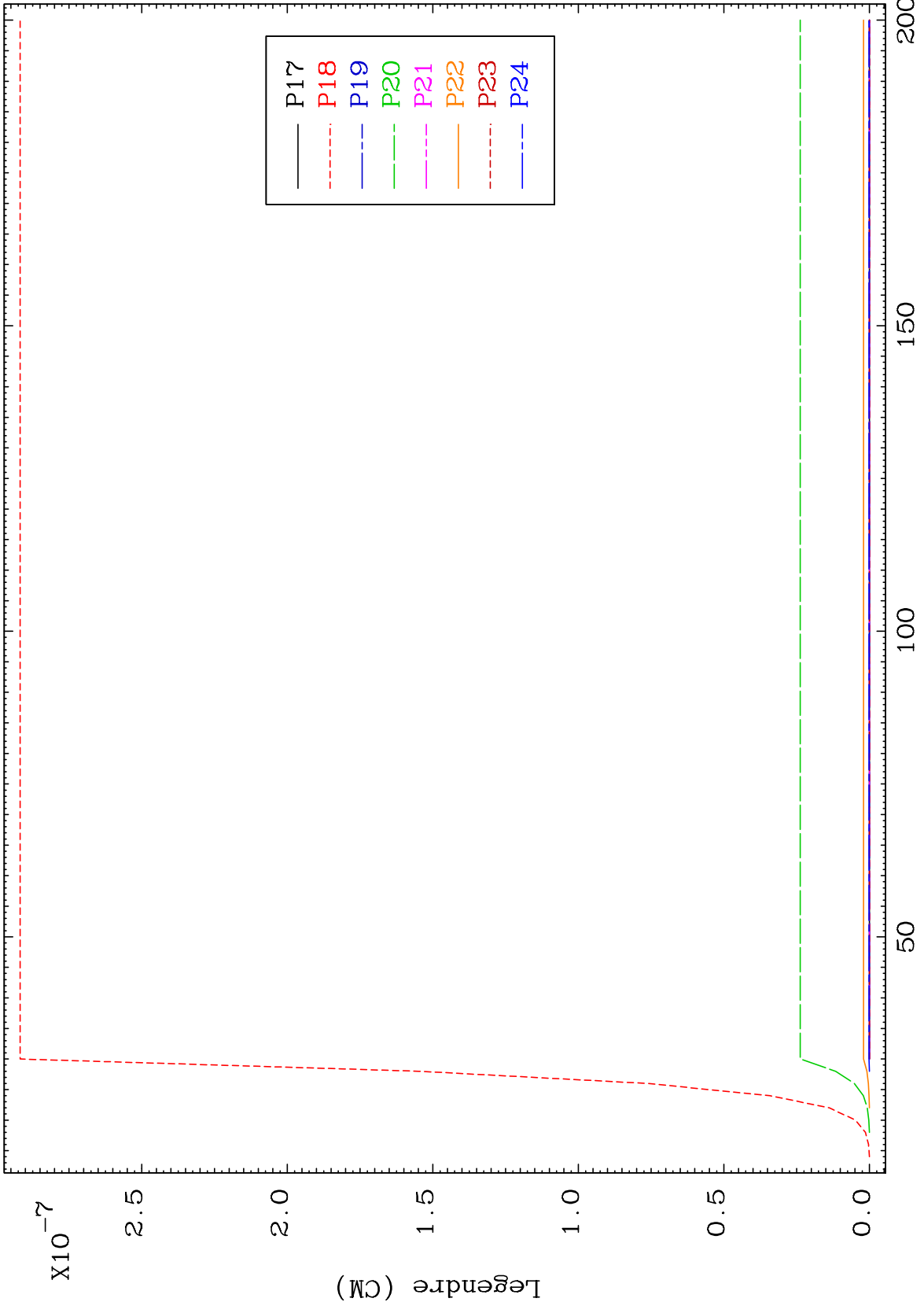
26-Fe-54

MAT 2625 MT= 63 (n,n') Level Legendre Coefficients 26-Fe-54



55 Incident Energy (MeV) 200 26-Fe-54

MAT 2625 MT= 63 (n,n') Level Legendre Coefficients 26-Fe-54

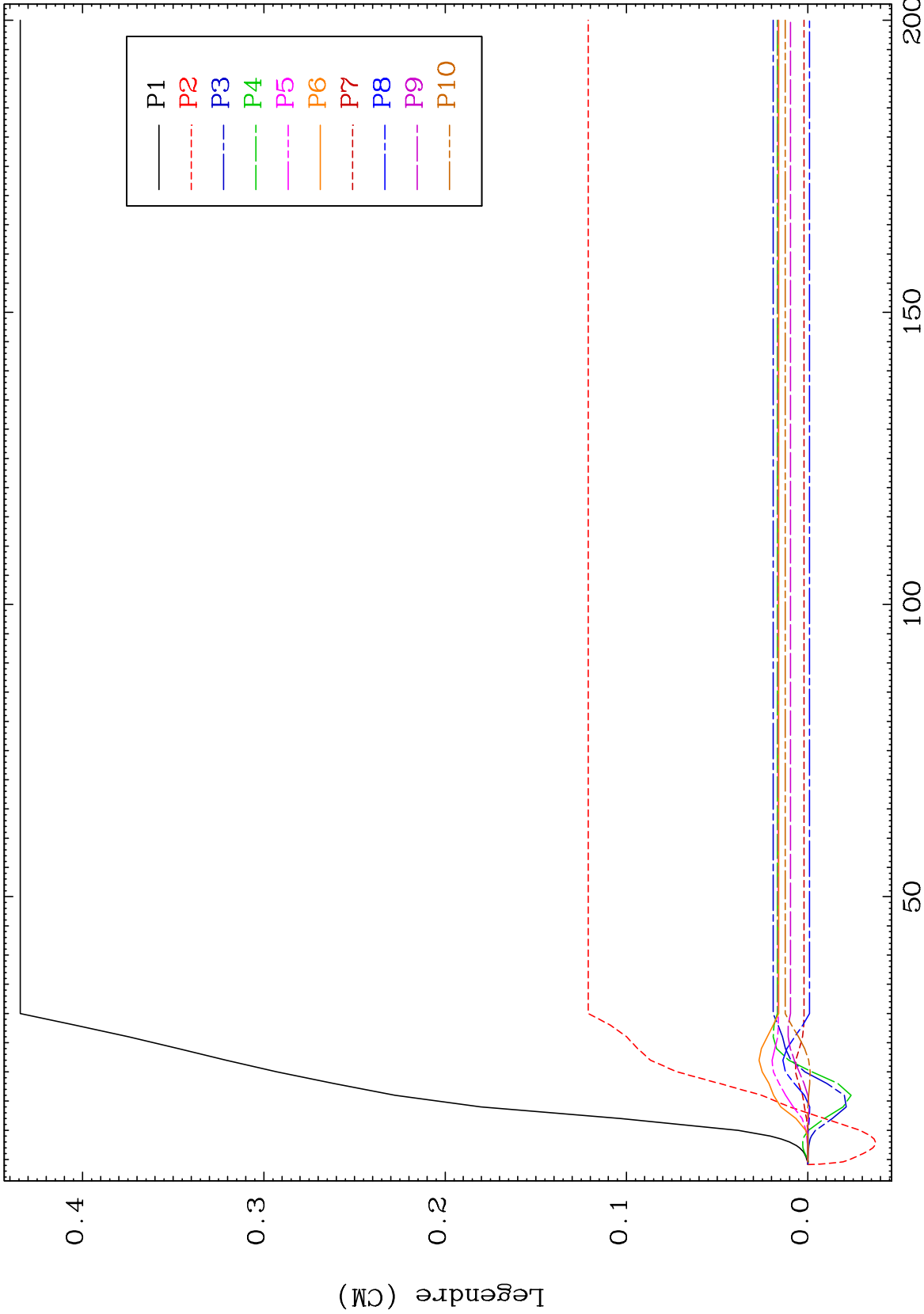


56 Incident Energy (MeV) 200 26-Fe-54

MAT 2625

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

26-Fe-54

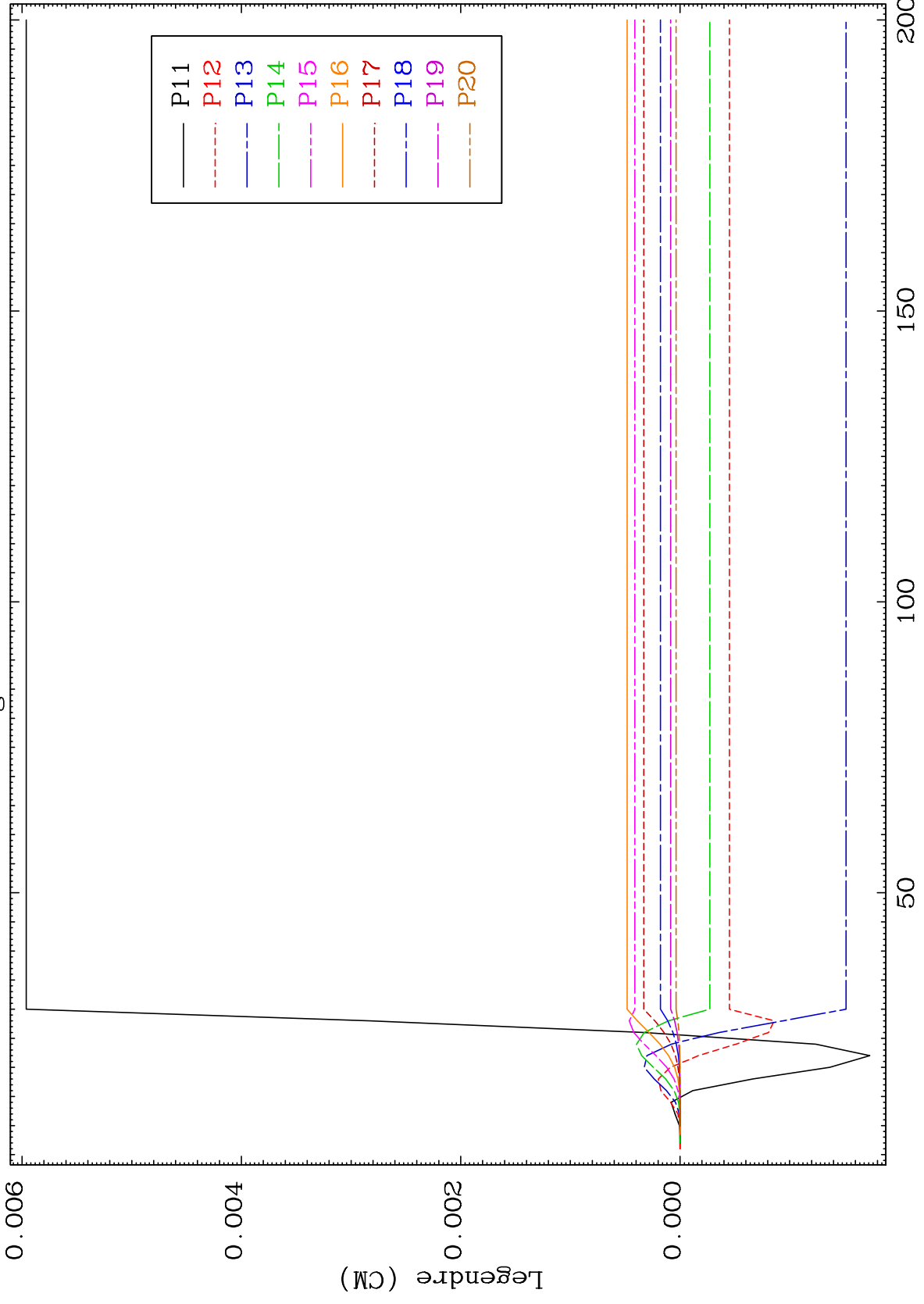


57

Incident Energy (MeV)

26-Fe-54

MAT 2625 MT= 64 (n,n') Level Legendre Coefficients 26-Fe-54

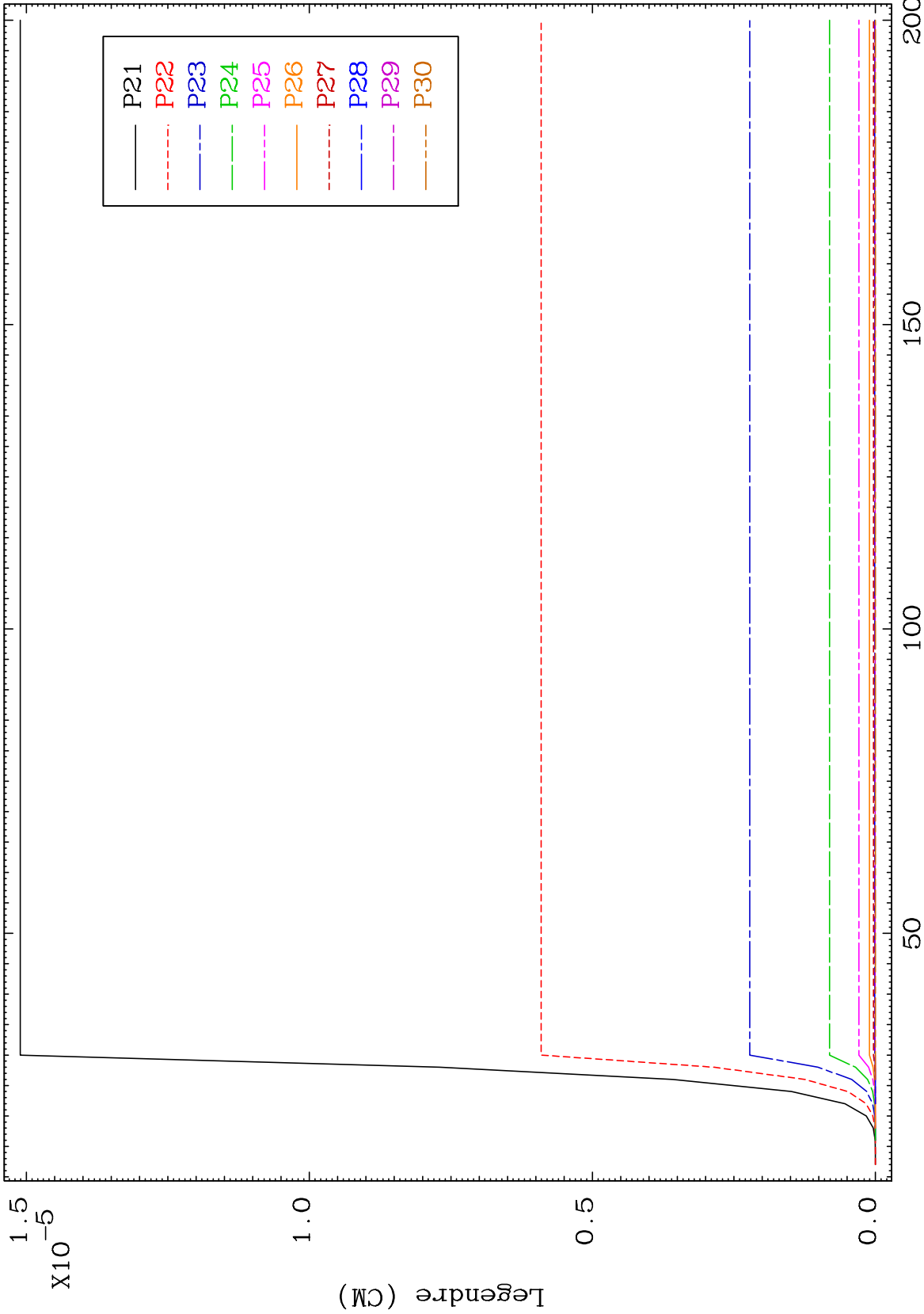


58 Incident Energy (MeV) 200 26-Fe-54

MAT 2625

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

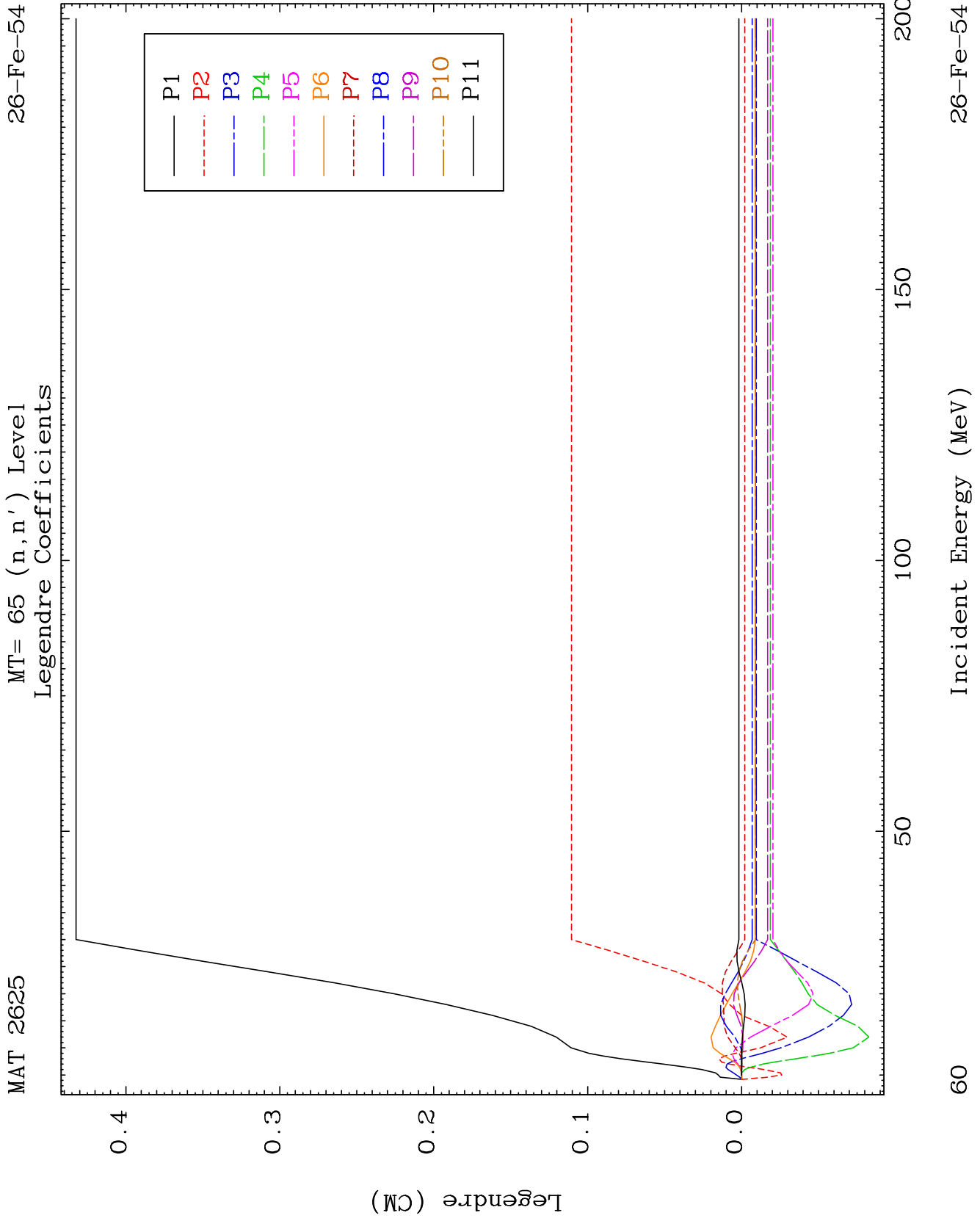
26-Fe-54



59

Incident Energy (MeV)

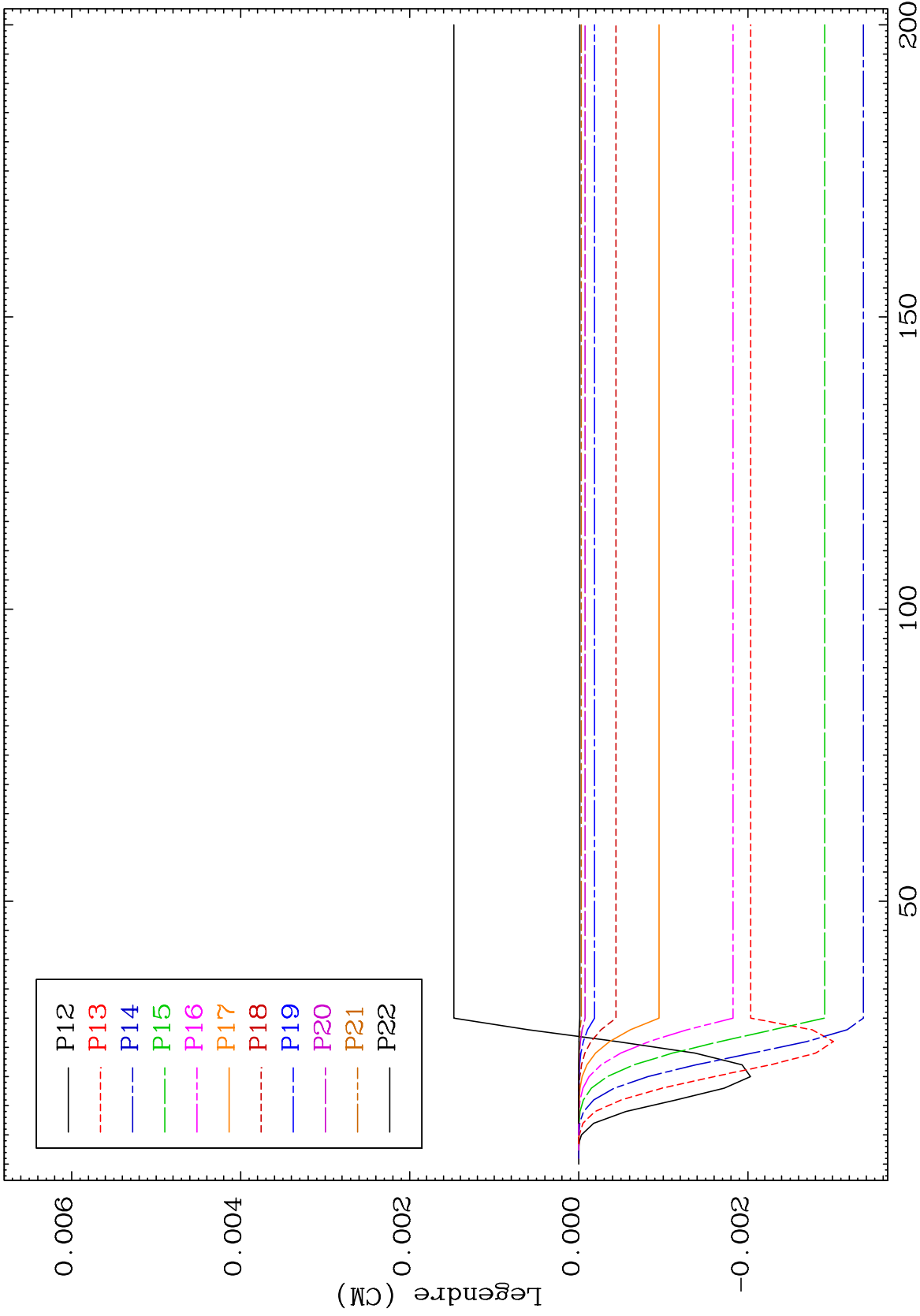
26-Fe-54



MAT 2625

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

26-Fe-54



61

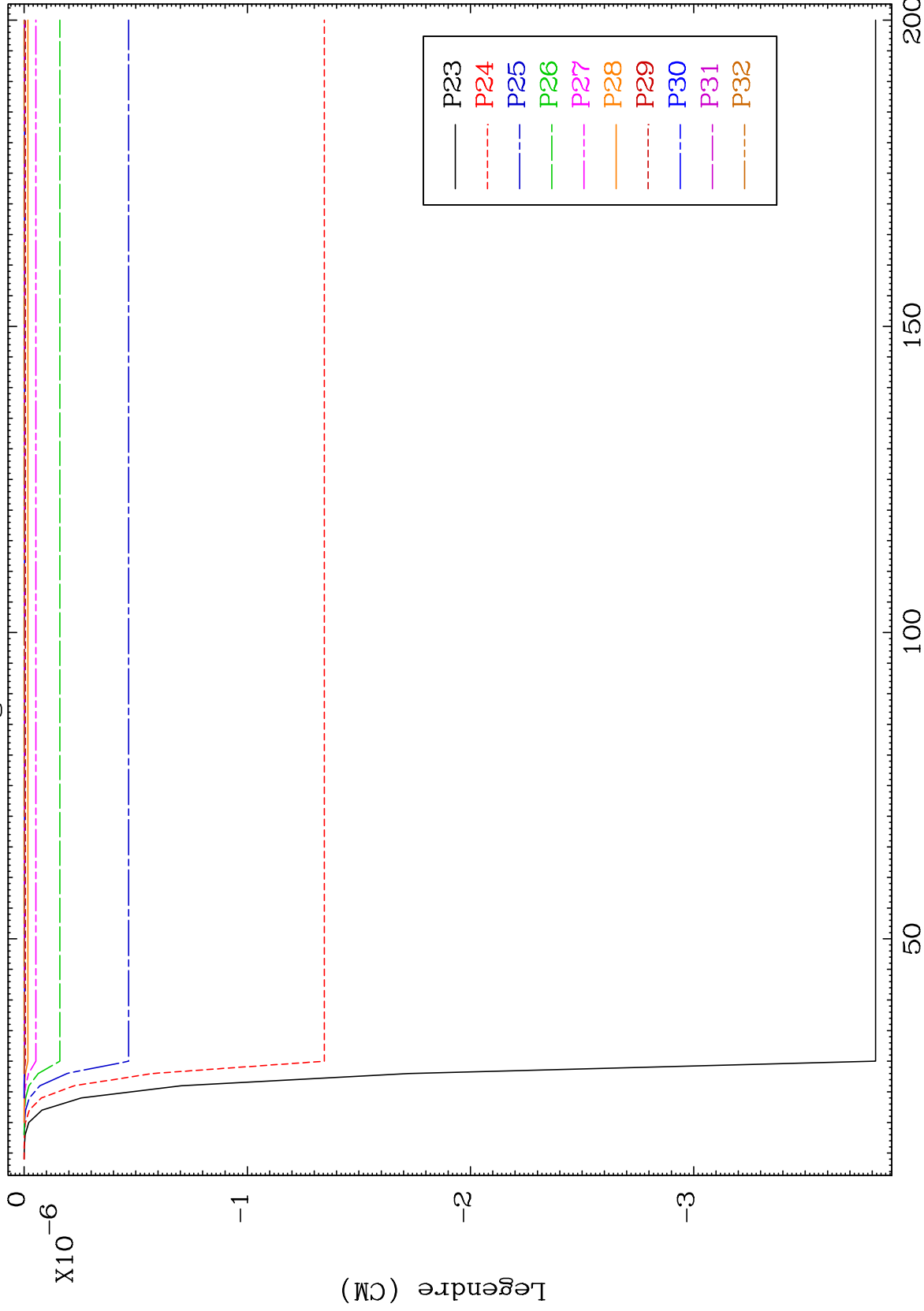
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54



62

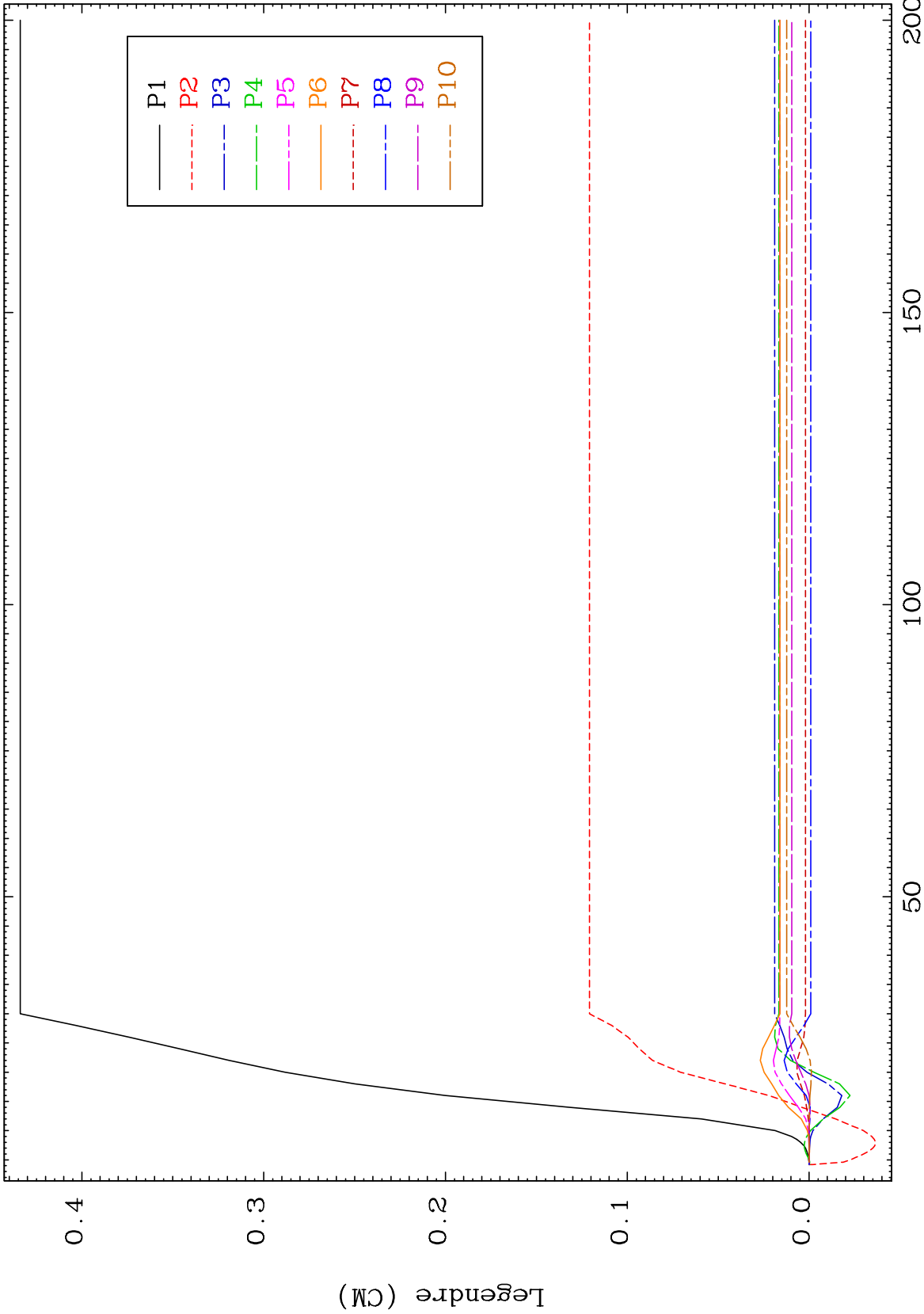
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54

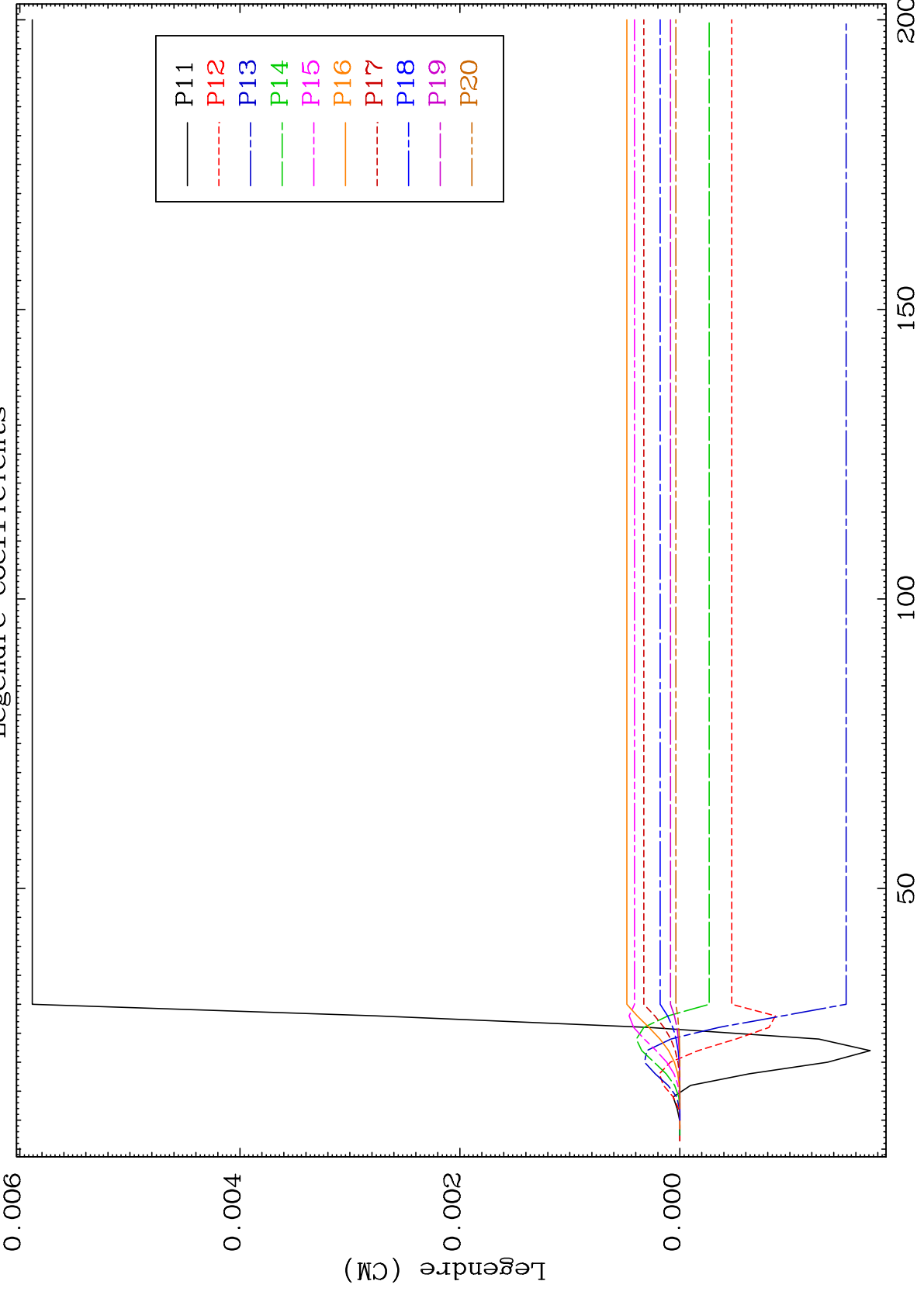


63

Incident Energy (MeV)

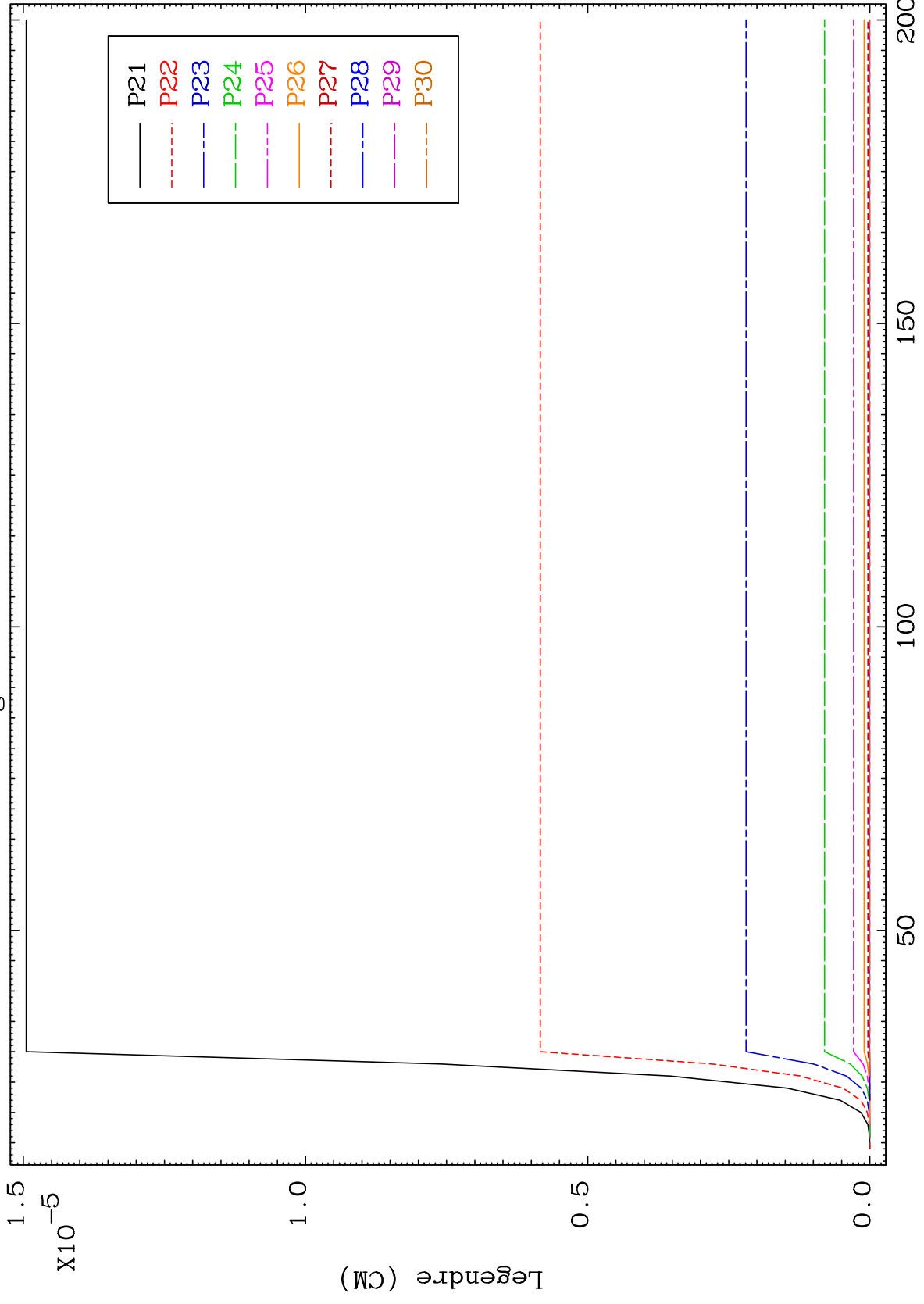
26-Fe-54

MAT 2625 MT= 66 (n,n') Level Legendre Coefficients 26-Fe-54



64 Incident Energy (MeV) 26-Fe-54

MAT 2625 MT= 66 (n,n') Level Legendre Coefficients 26-Fe-54

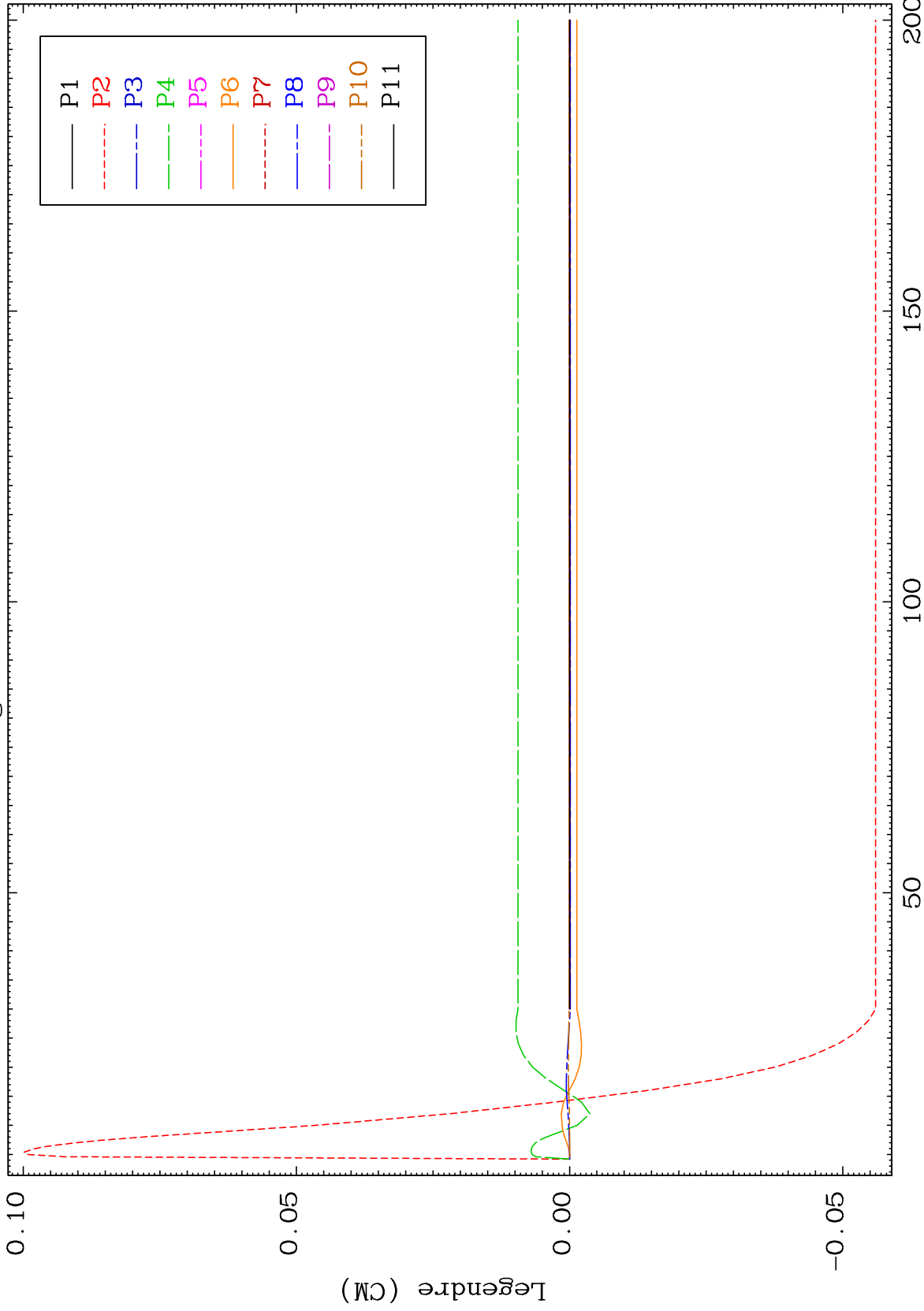


65 50 100 150 200 26-Fe-54

MAT 2625

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

26-Fe-54



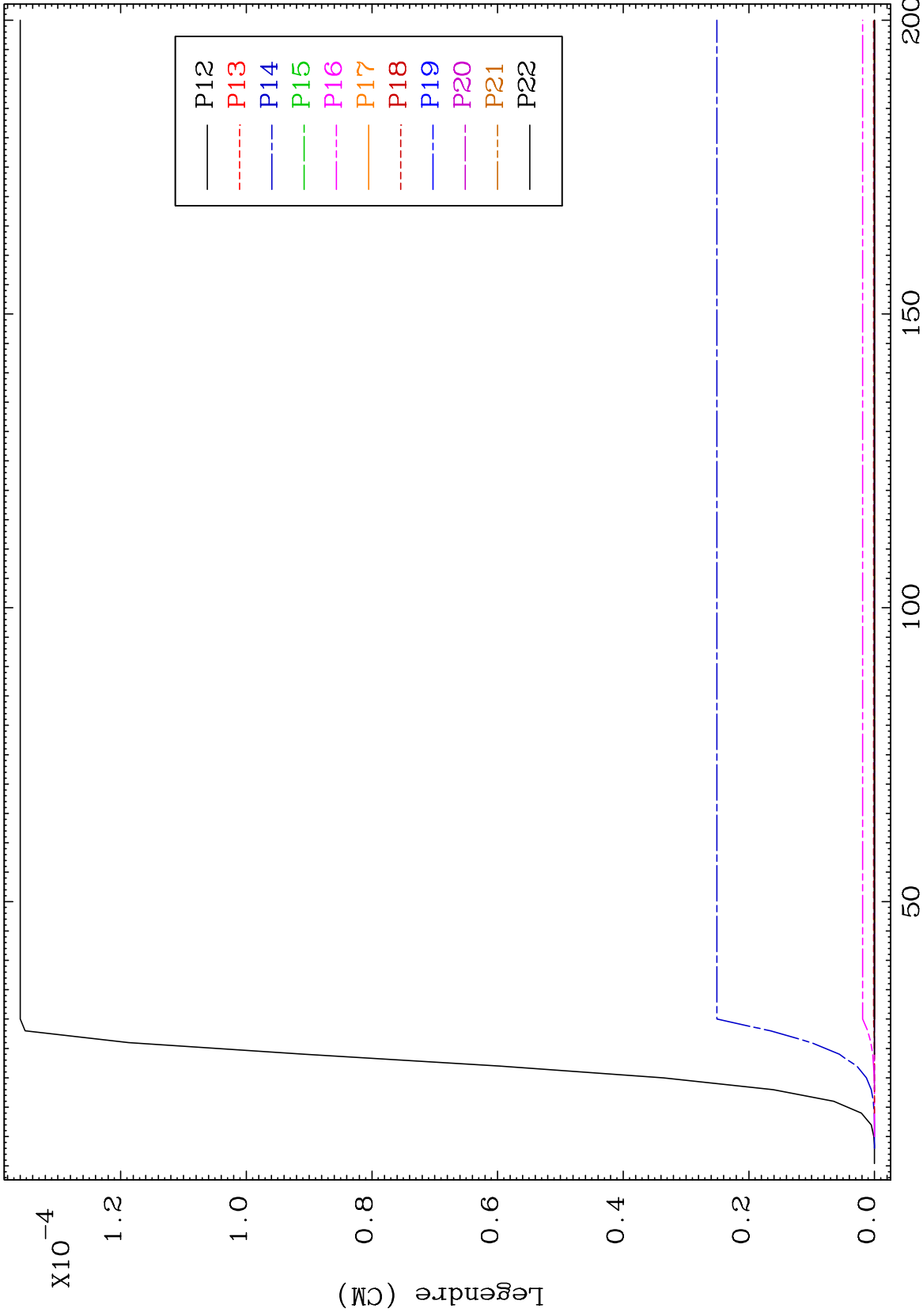
66

26-Fe-54

MAT 2625

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

26-Fe-54

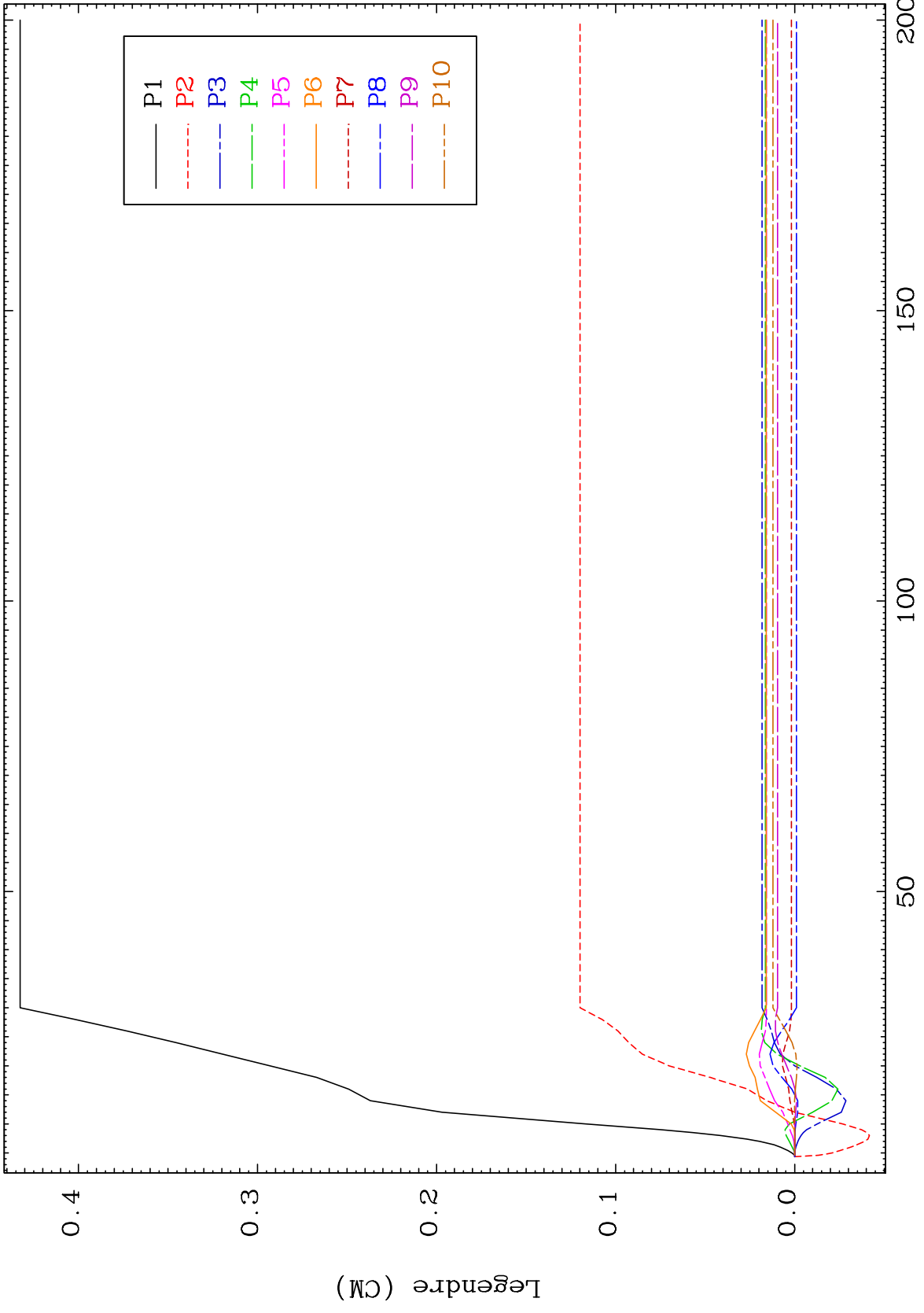


67

Incident Energy (MeV)

26-Fe-54

MAT 2625 MT= 68 (n,n') Level Legendre Coefficients 26-Fe-54

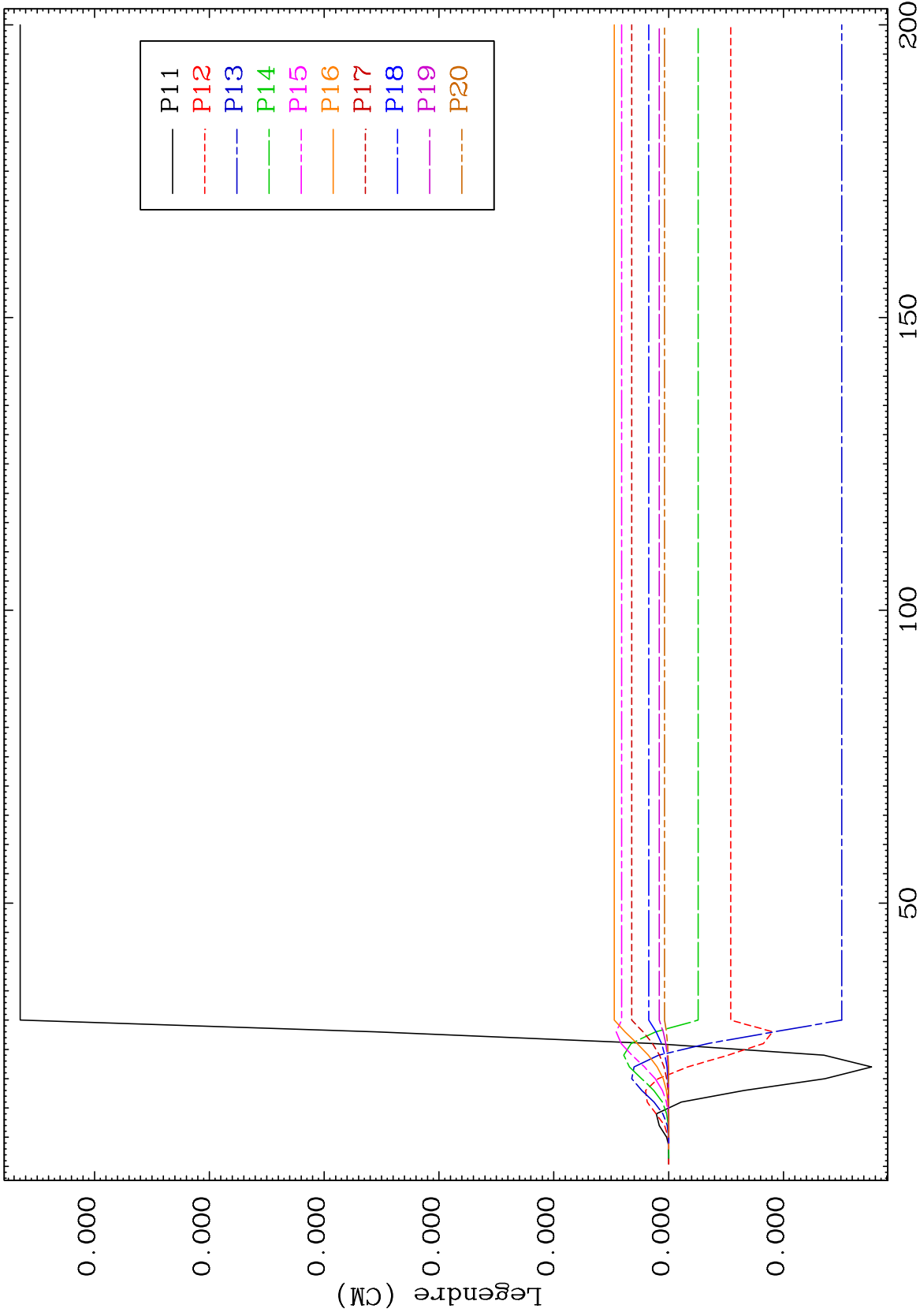


68 26-Fe-54

MAT 2625

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

26-Fe-54

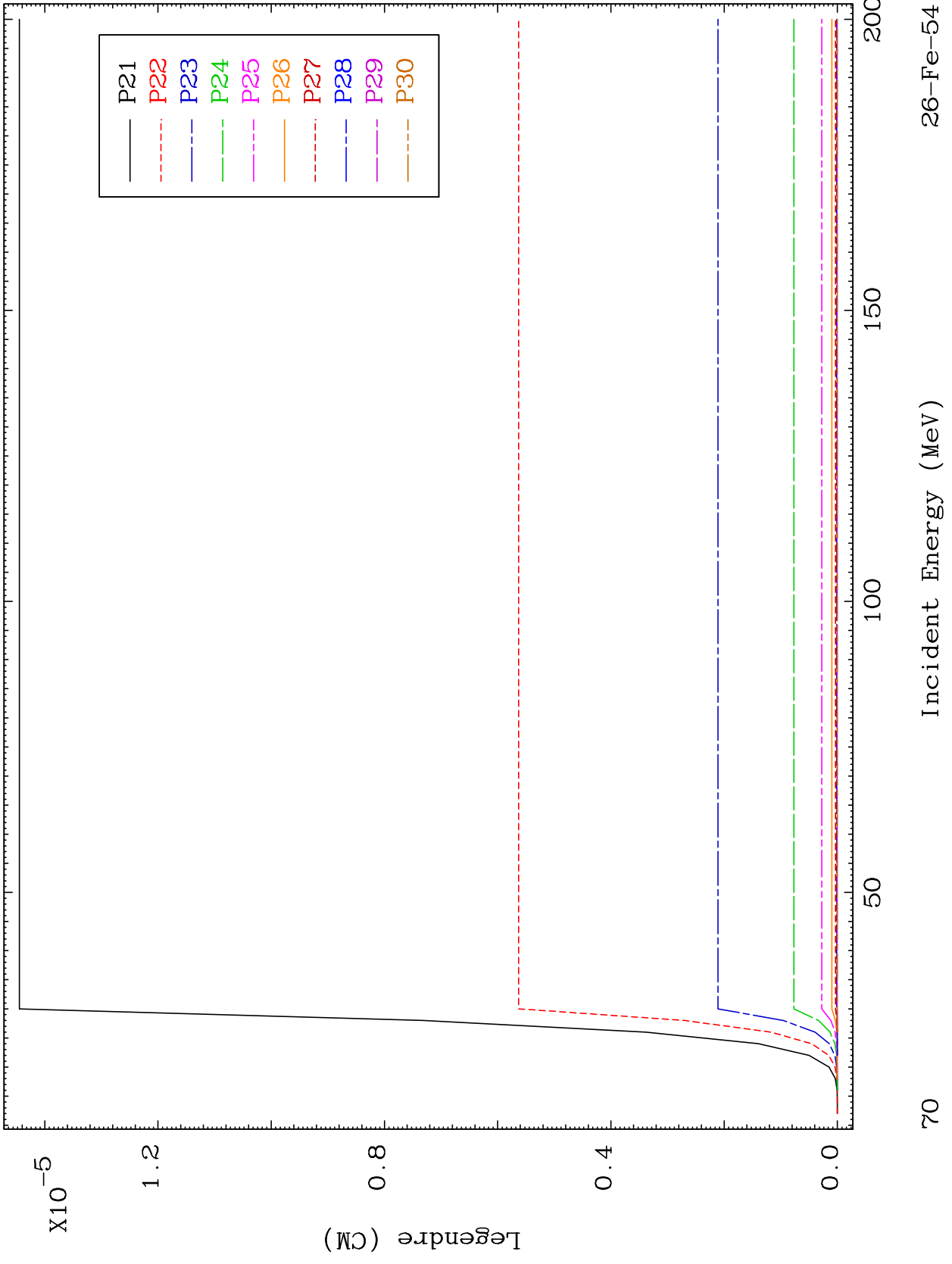


69

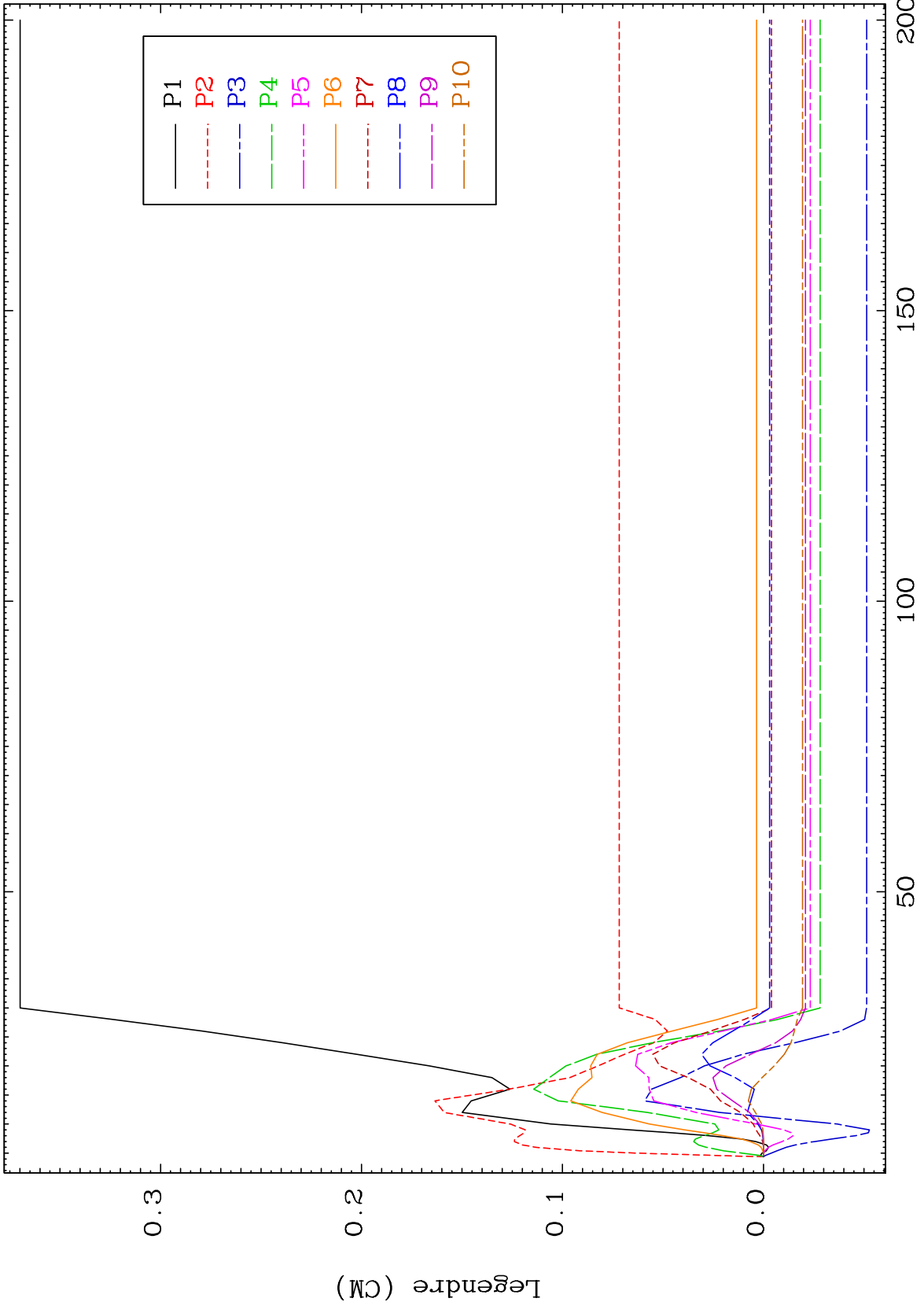
Incident Energy (MeV)

26-Fe-54

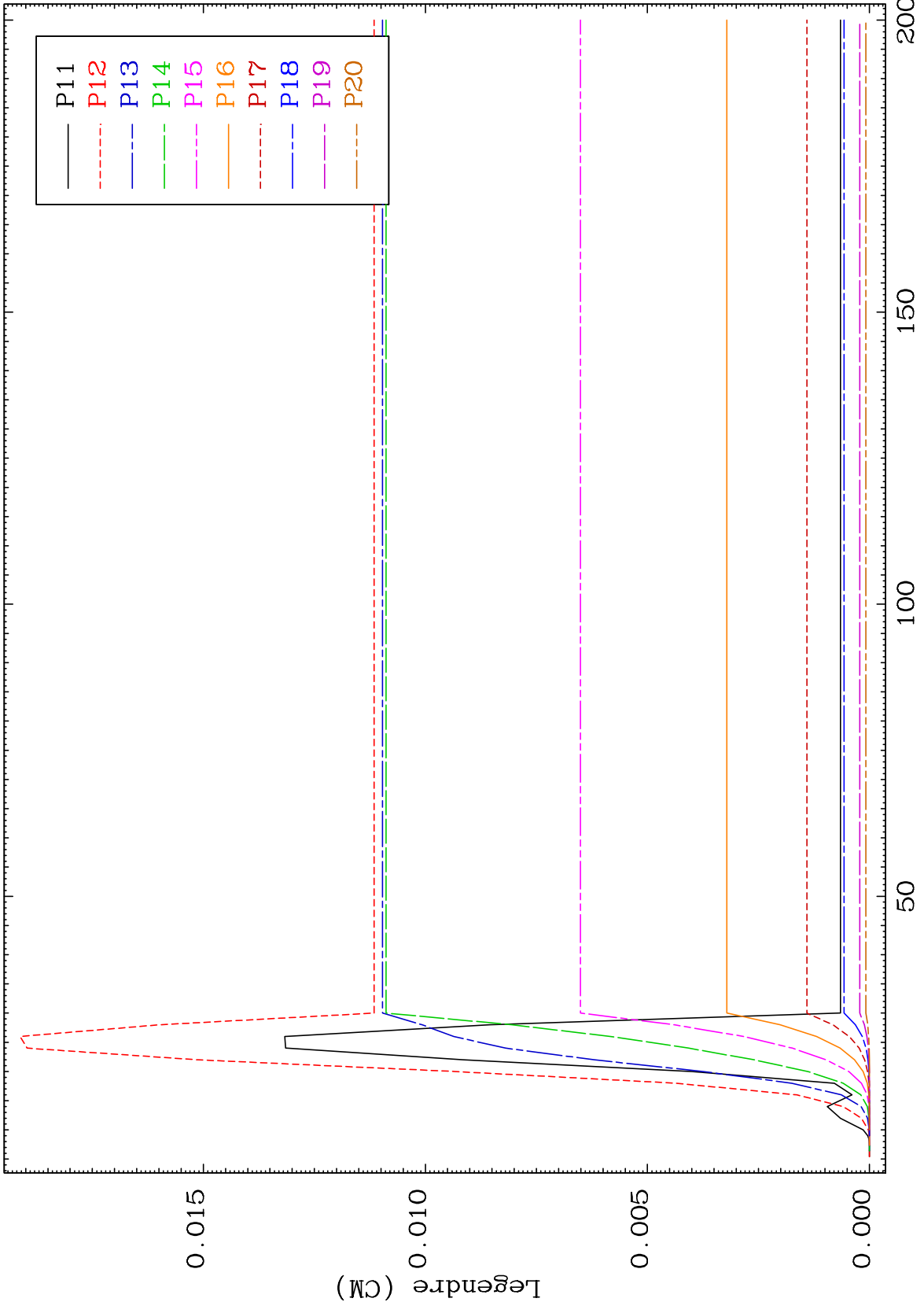
MAT 2625 MT= 68 (n,n') Level Legendre Coefficients 26-Fe-54



MAT 2625 MT= 69 (n,n') Level Legendre Coefficients 26-Fe-54

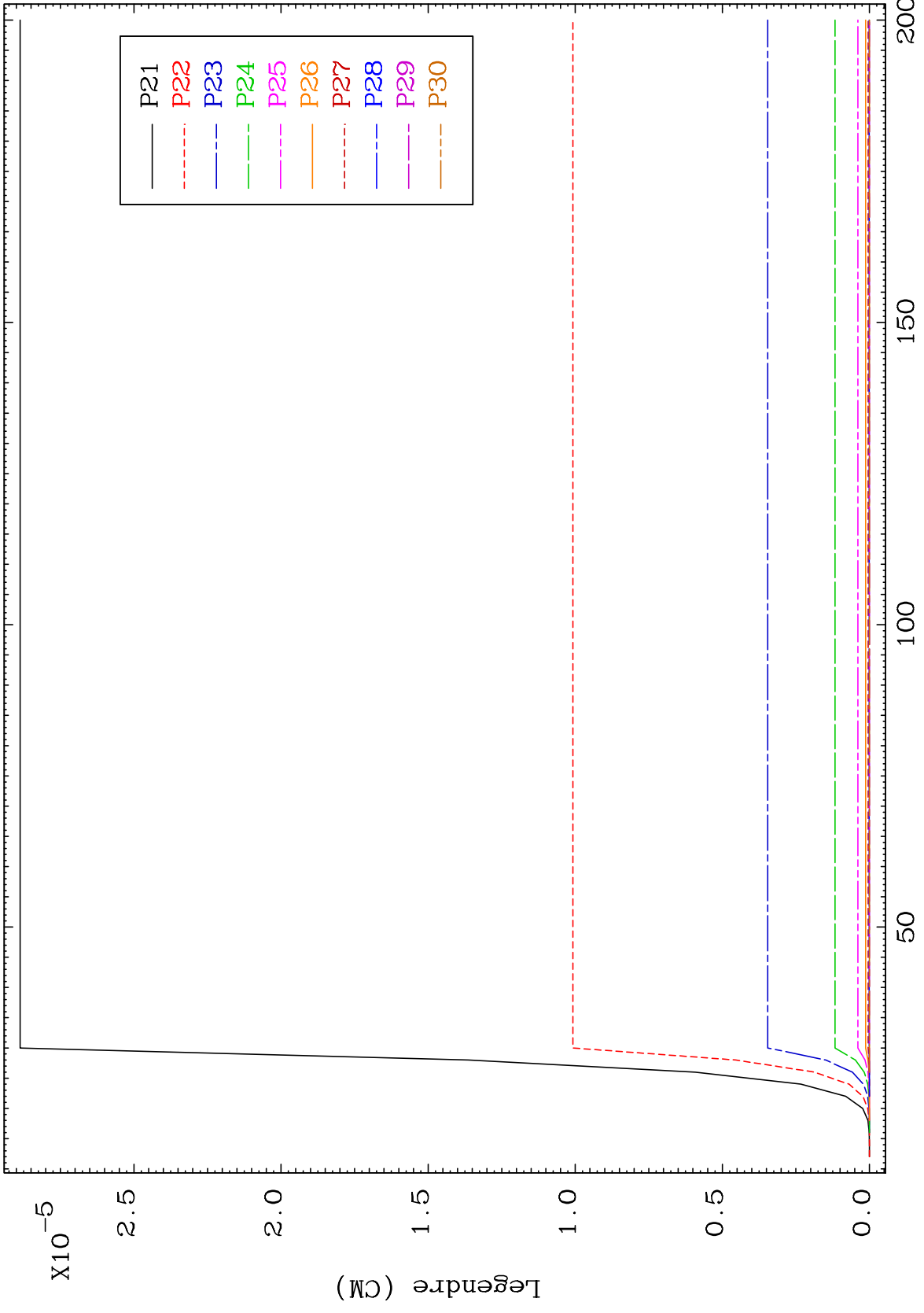


MAT 2625 MT= 69 (n,n') Level Legendre Coefficients 26-Fe-54



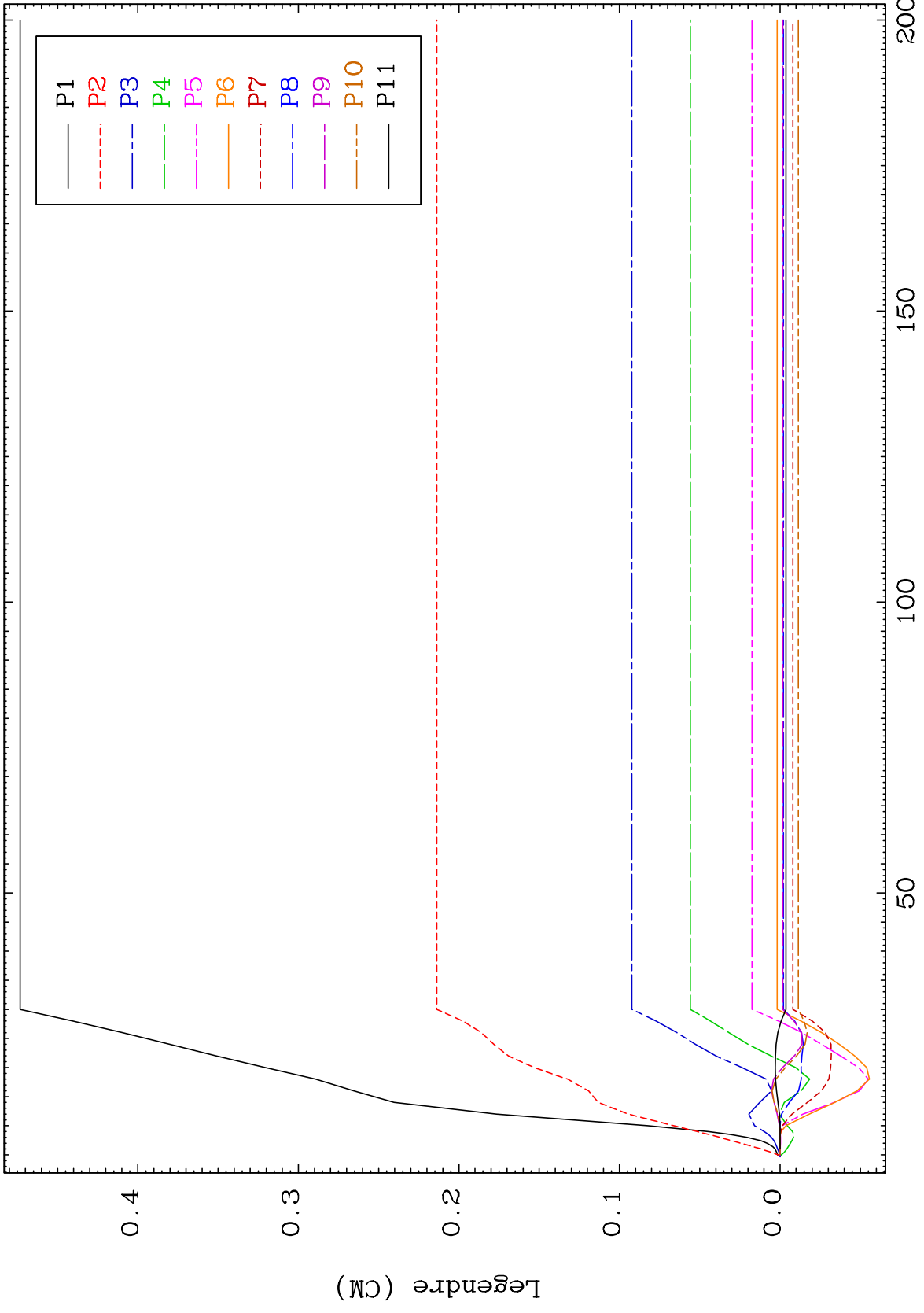
72 Incident Energy (MeV) 26-Fe-54

MAT 2625 MT= 69 (n,n') Level Legendre Coefficients 26-Fe-54



73 200 26-Fe-54

MAT 2625 MT= 70 (n,n') Level Legendre Coefficients 26-Fe-54

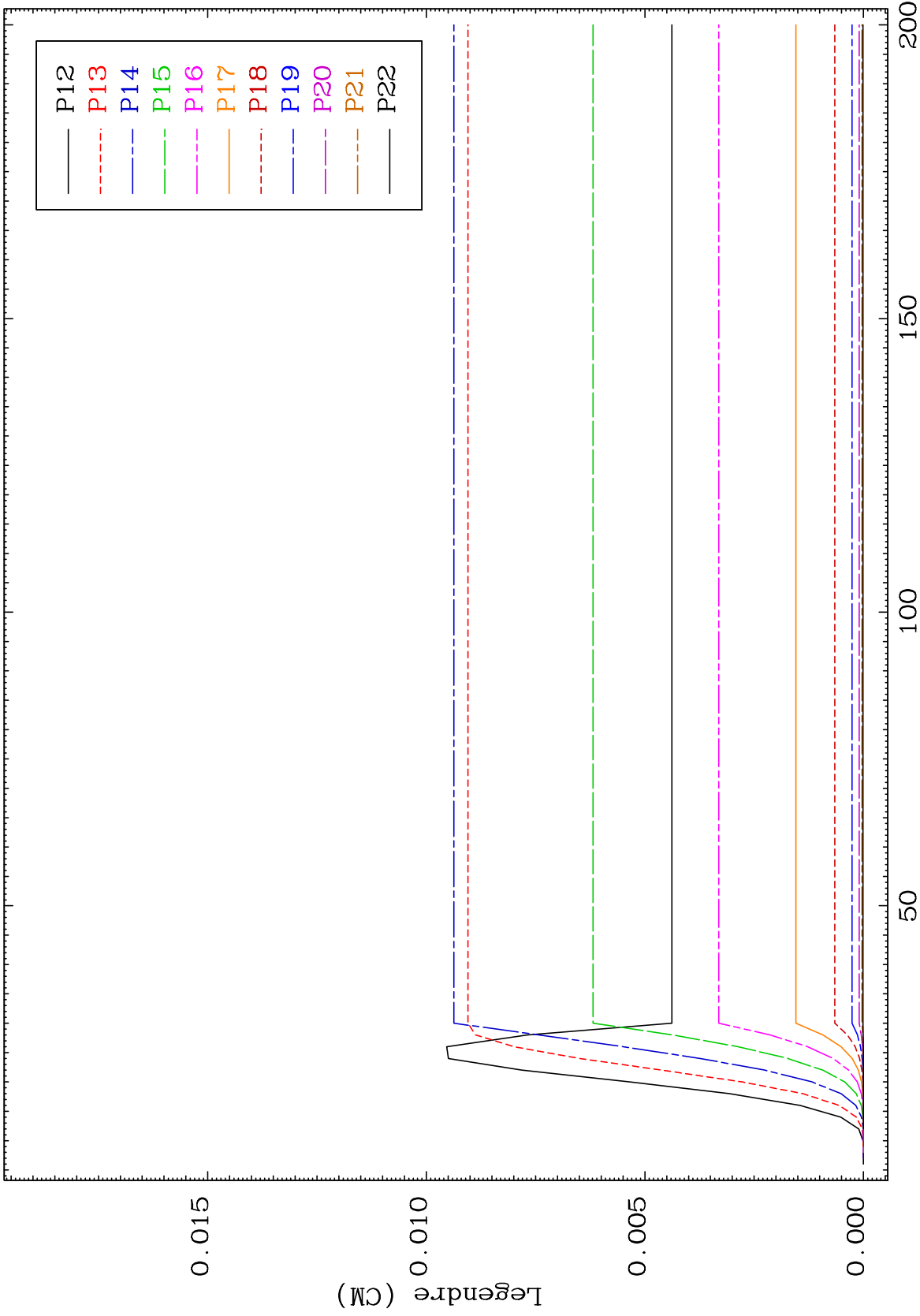


74 26-Fe-54

MAT 2625

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

26-Fe-54



75

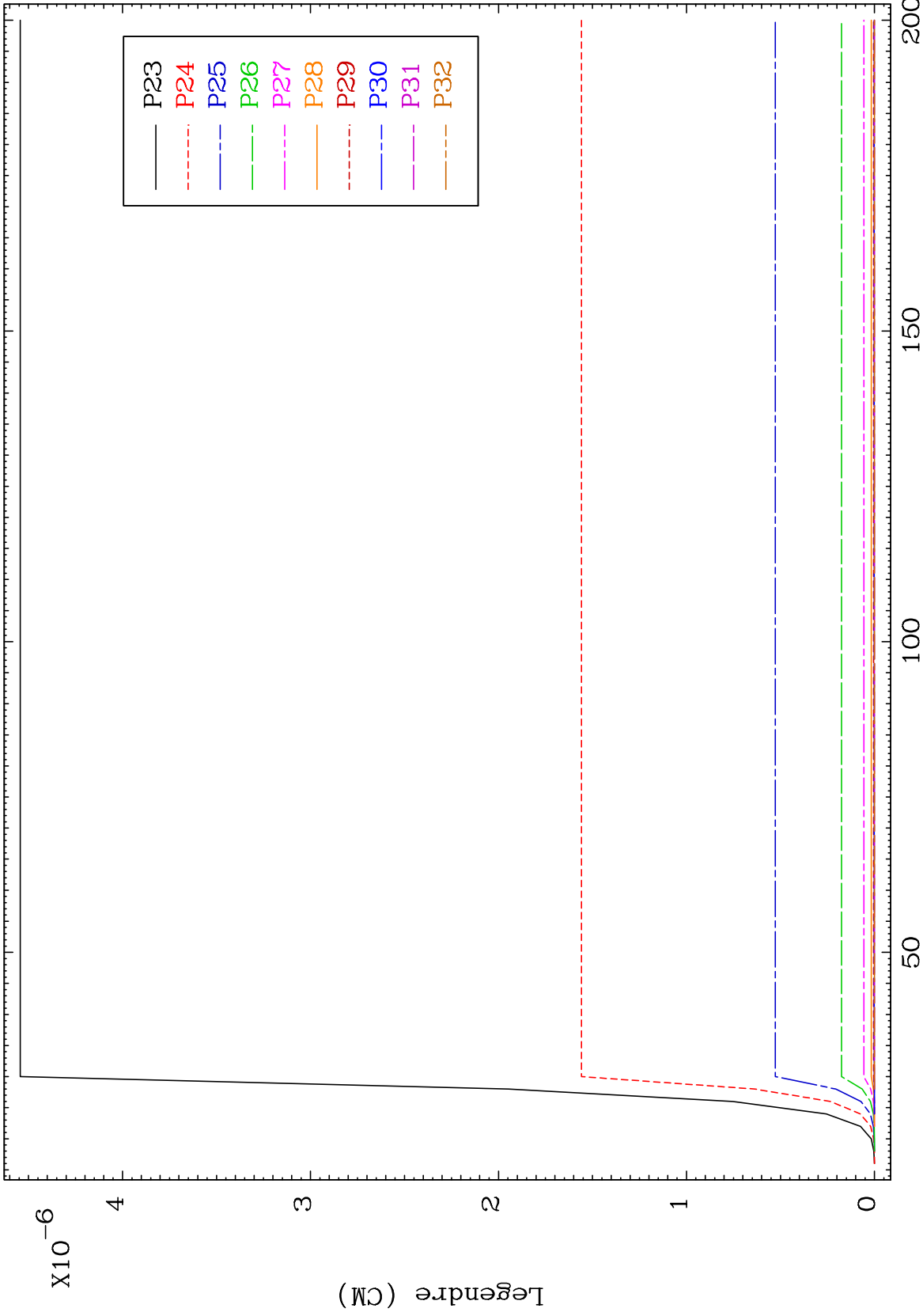
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

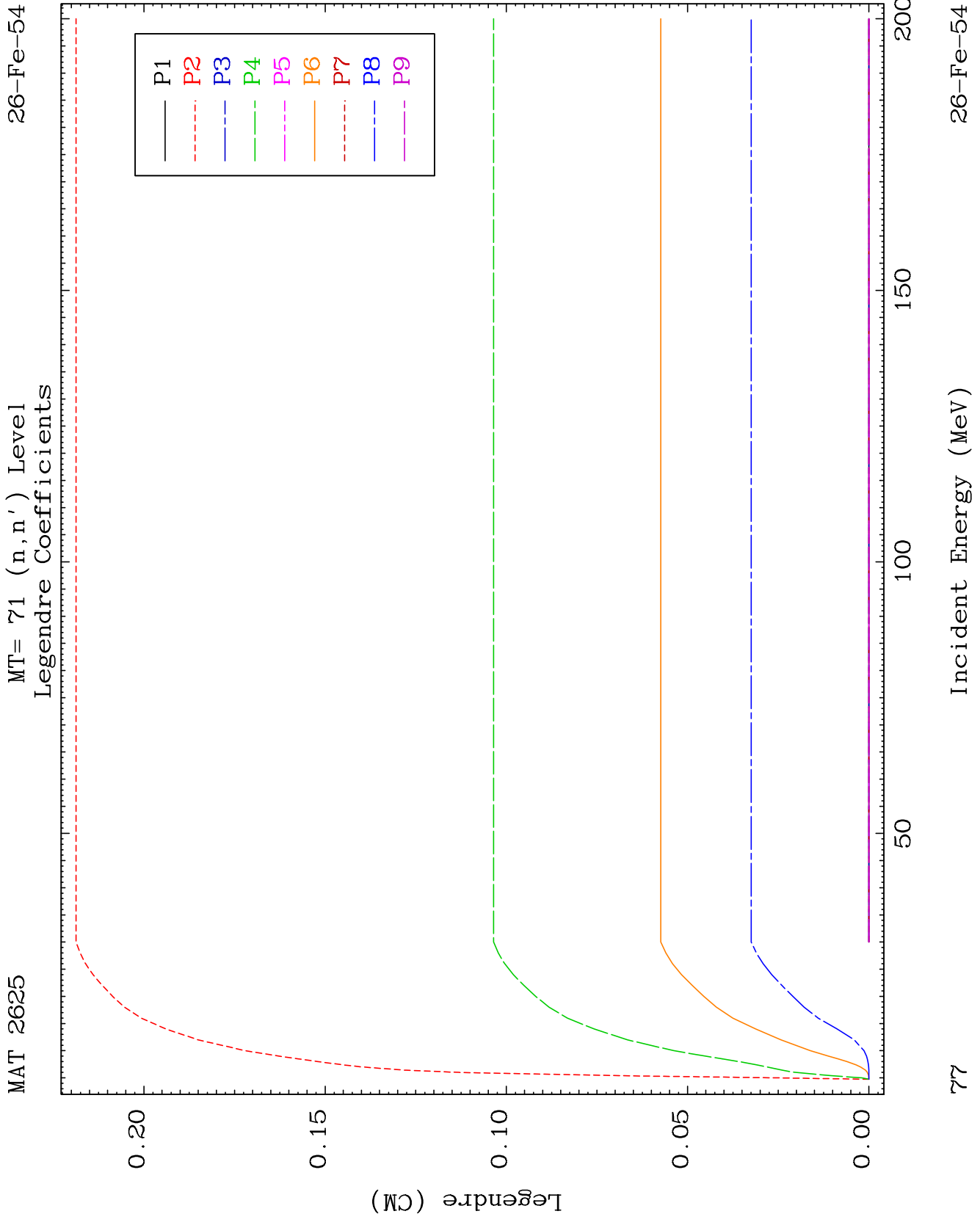
26-Fe-54



76

Incident Energy (MeV)

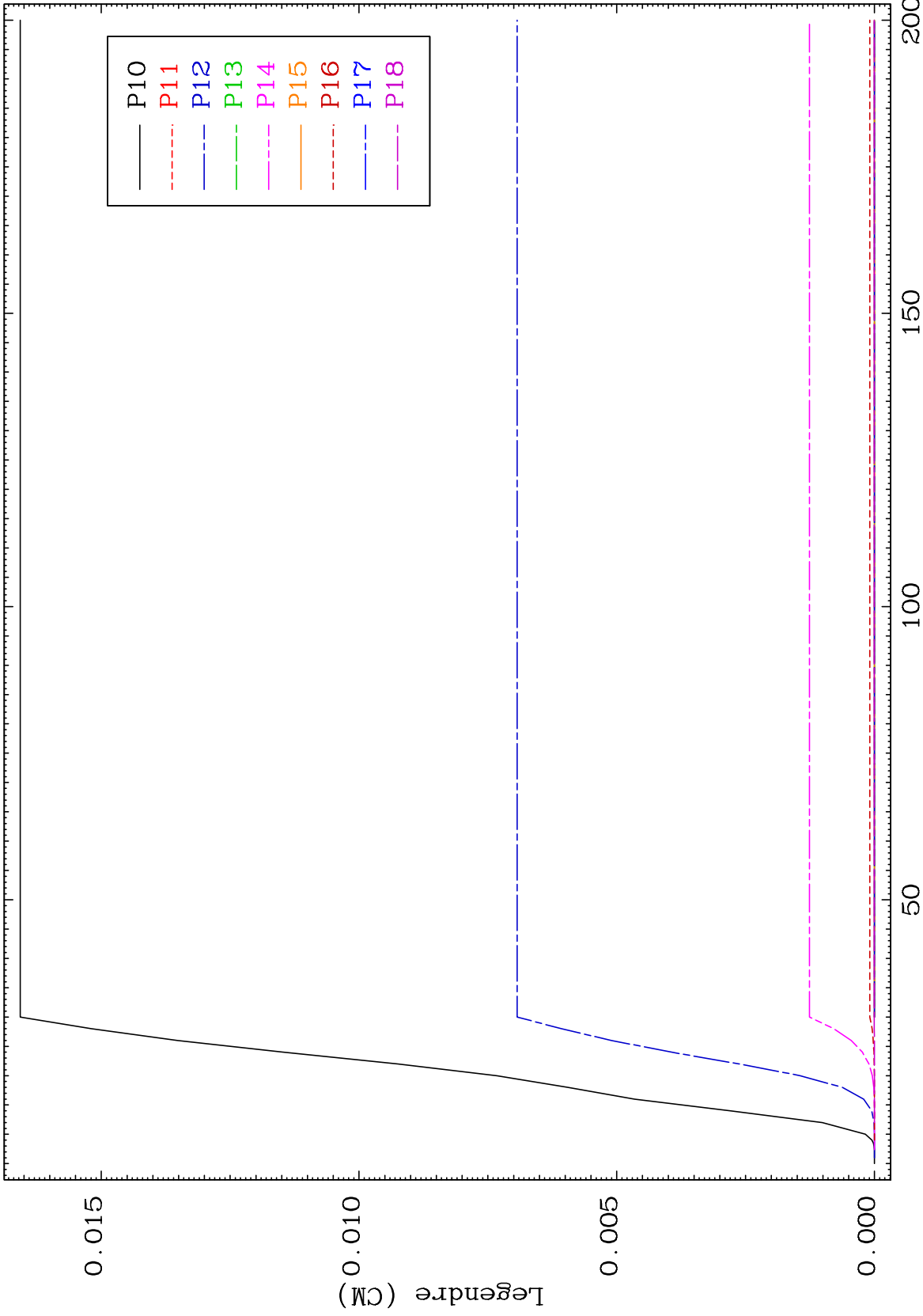
26-Fe-54



MAT 2625

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

26-Fe-54

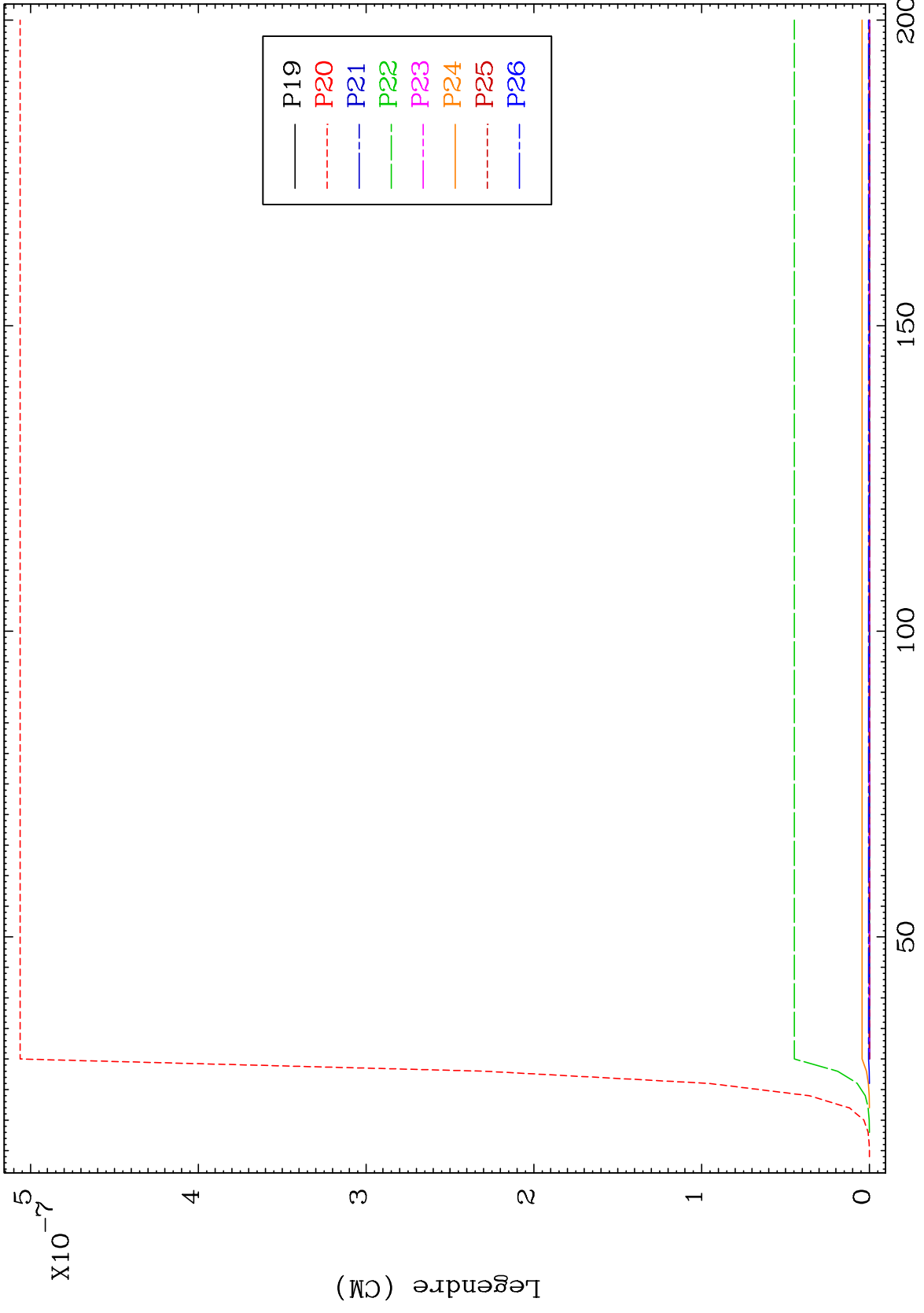


78

Incident Energy (MeV)

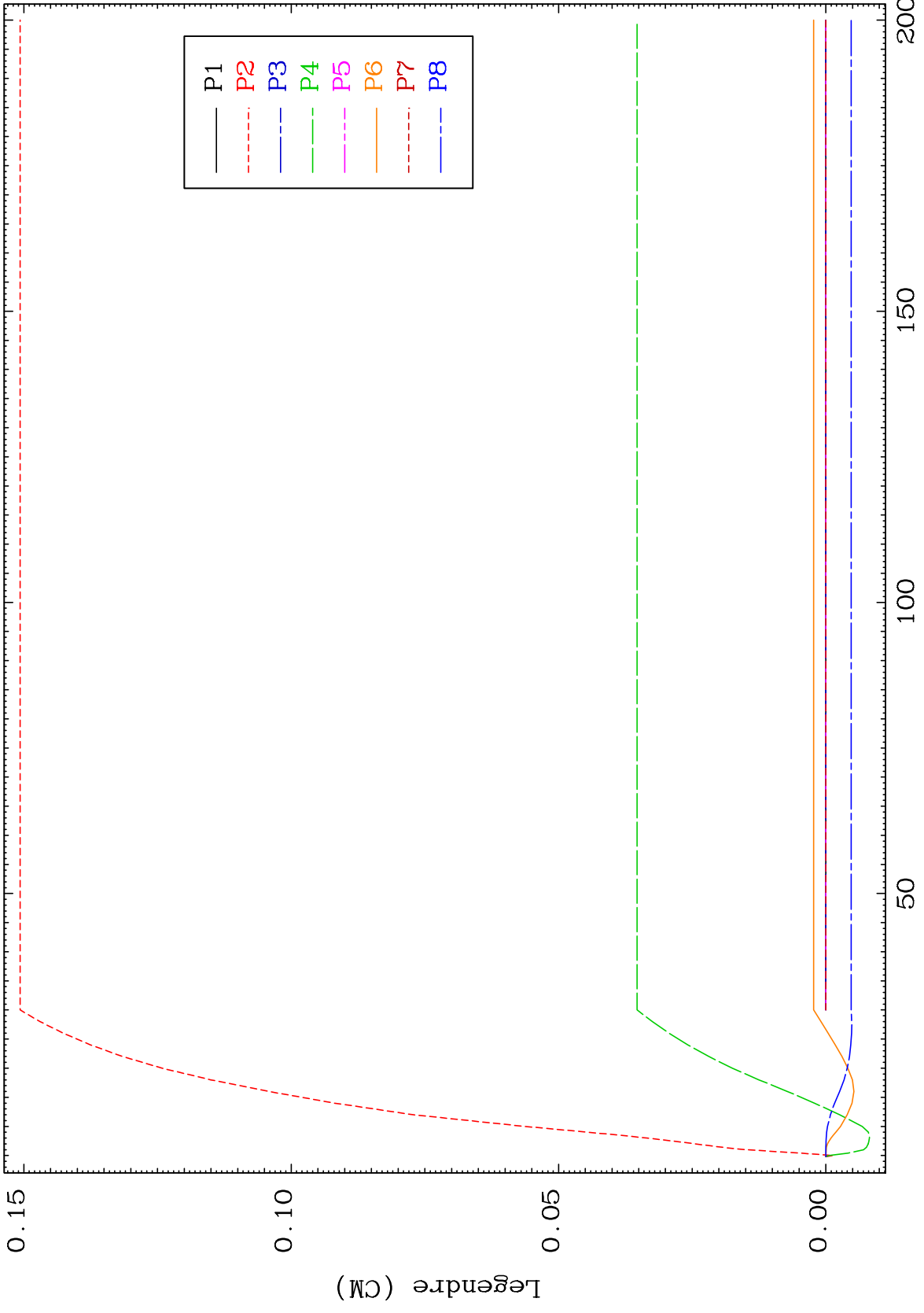
26-Fe-54

MAT 2625 MT= 71 (n,n') Level Legendre Coefficients 26-Fe-54



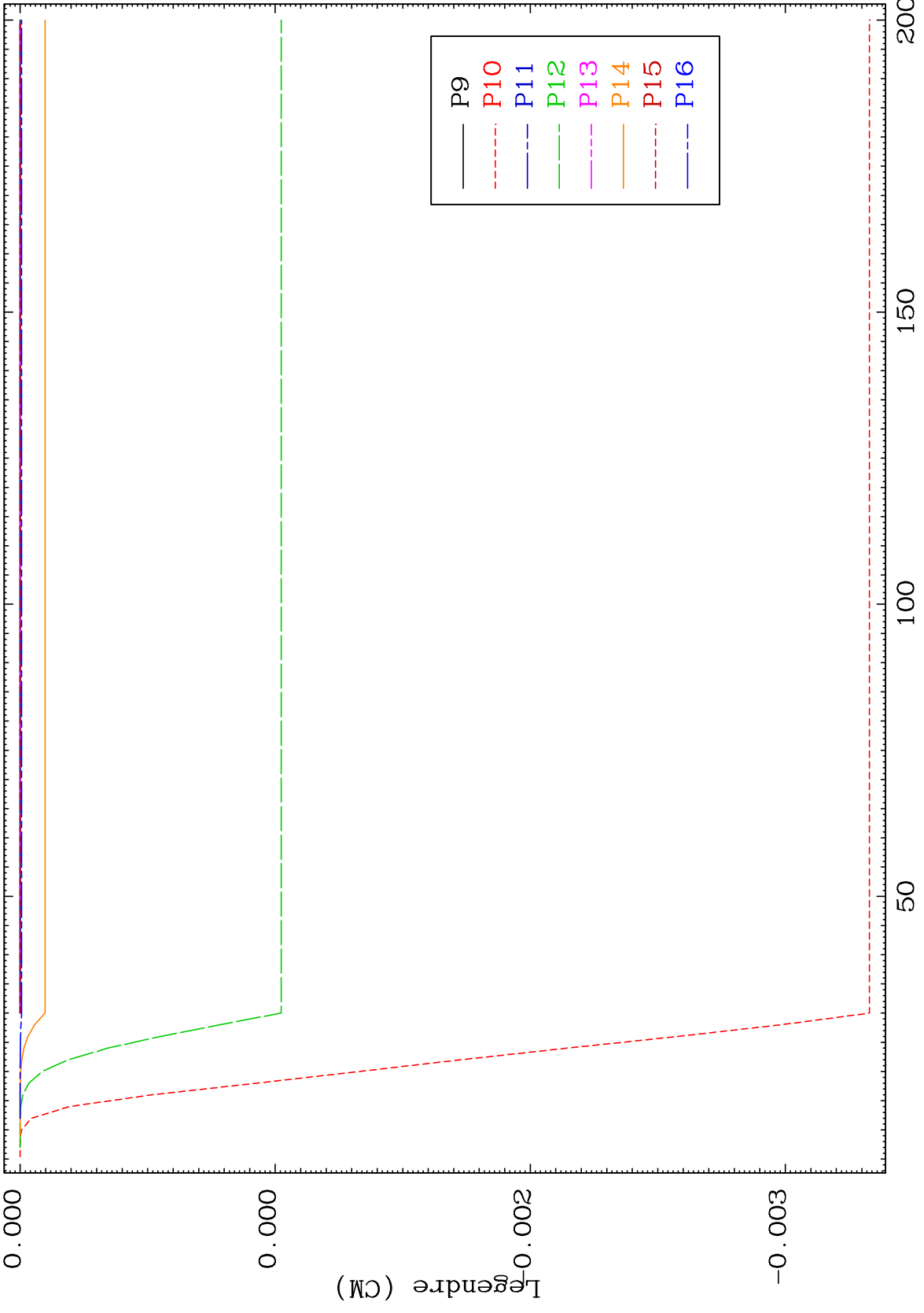
79 Incident Energy (MeV) 26-Fe-54

MAT 2625 MT= 72 (n,n') Level Legendre Coefficients 26-Fe-54

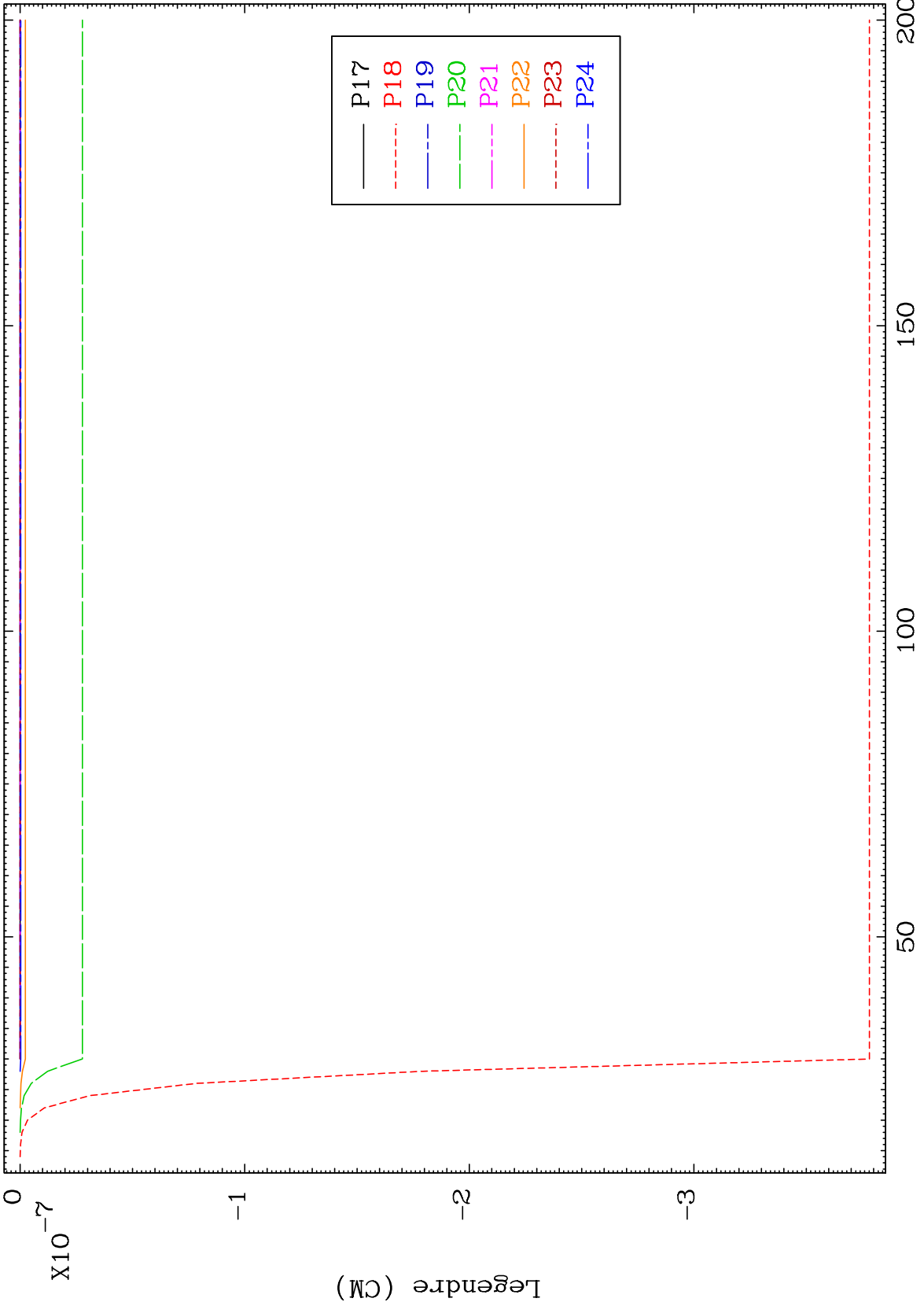


Incident Energy (MeV) 26-Fe-54

MAT 2625 MT= 72 (n,n') Level Legendre Coefficients 26-Fe-54



MAT 2625 MT= 72 (n,n') Level Legendre Coefficients 26-Fe-54

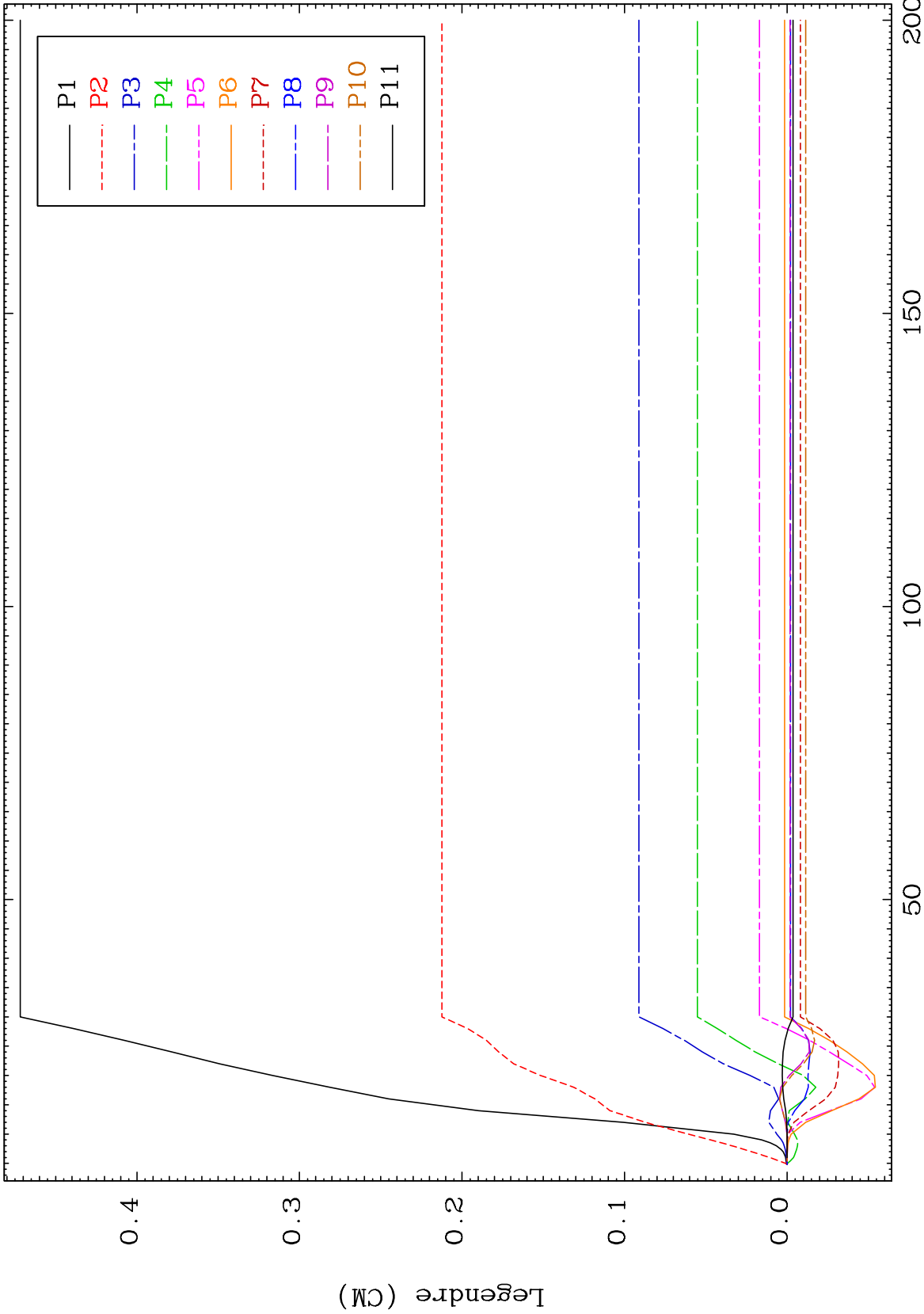


82 Incident Energy (MeV) 26-Fe-54

MAT 2625

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

26-Fe-54



83

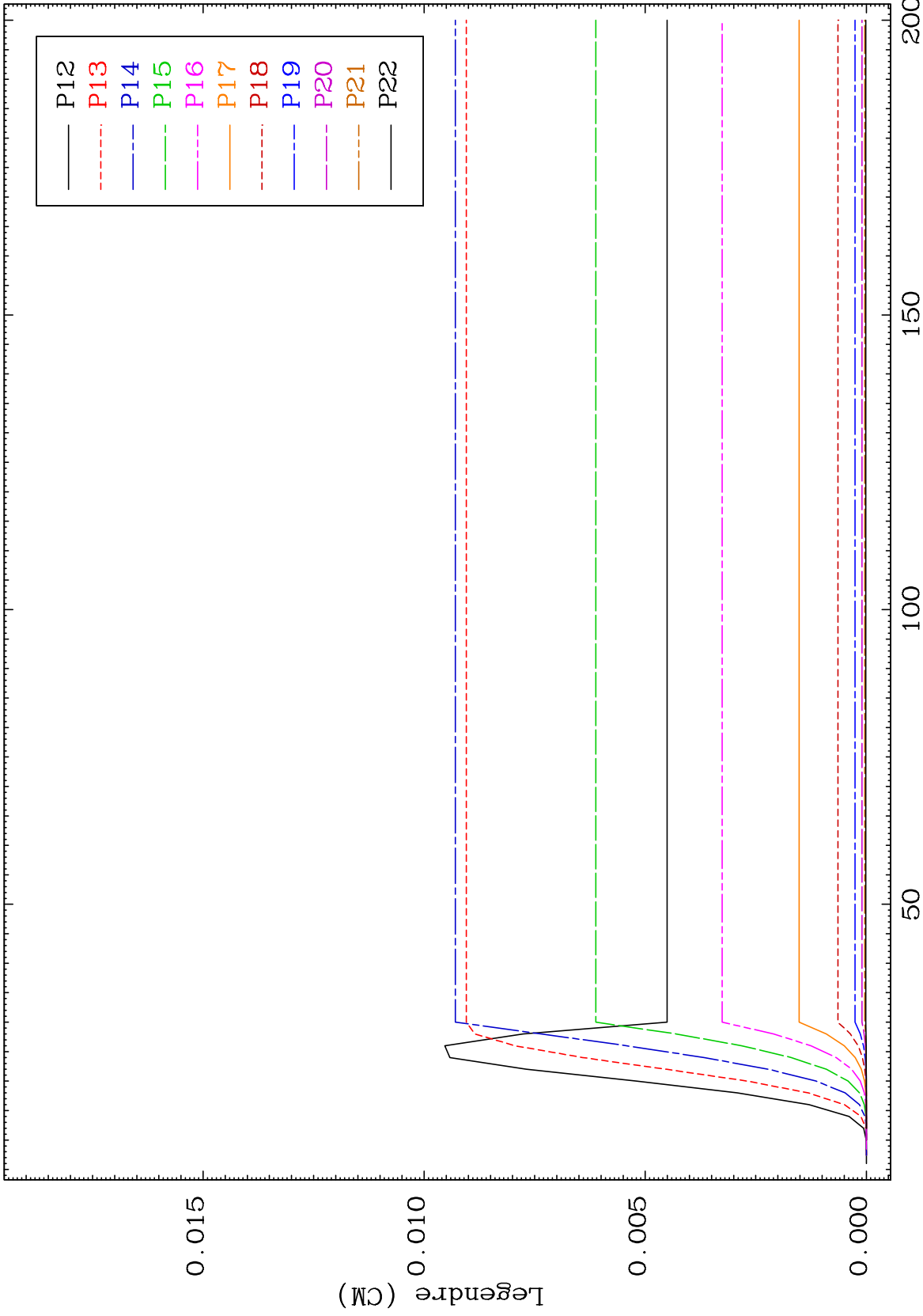
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54



84

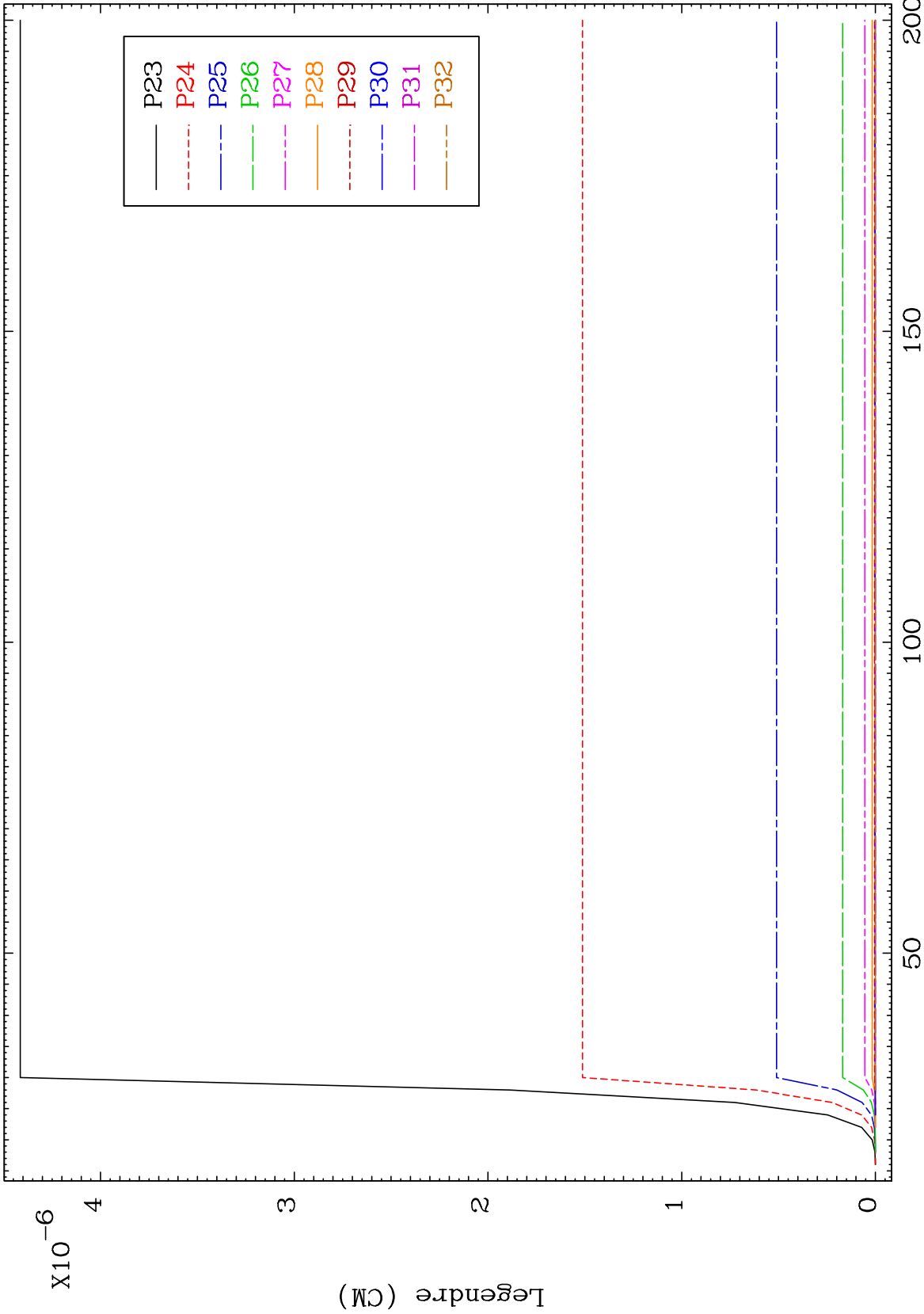
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54



85

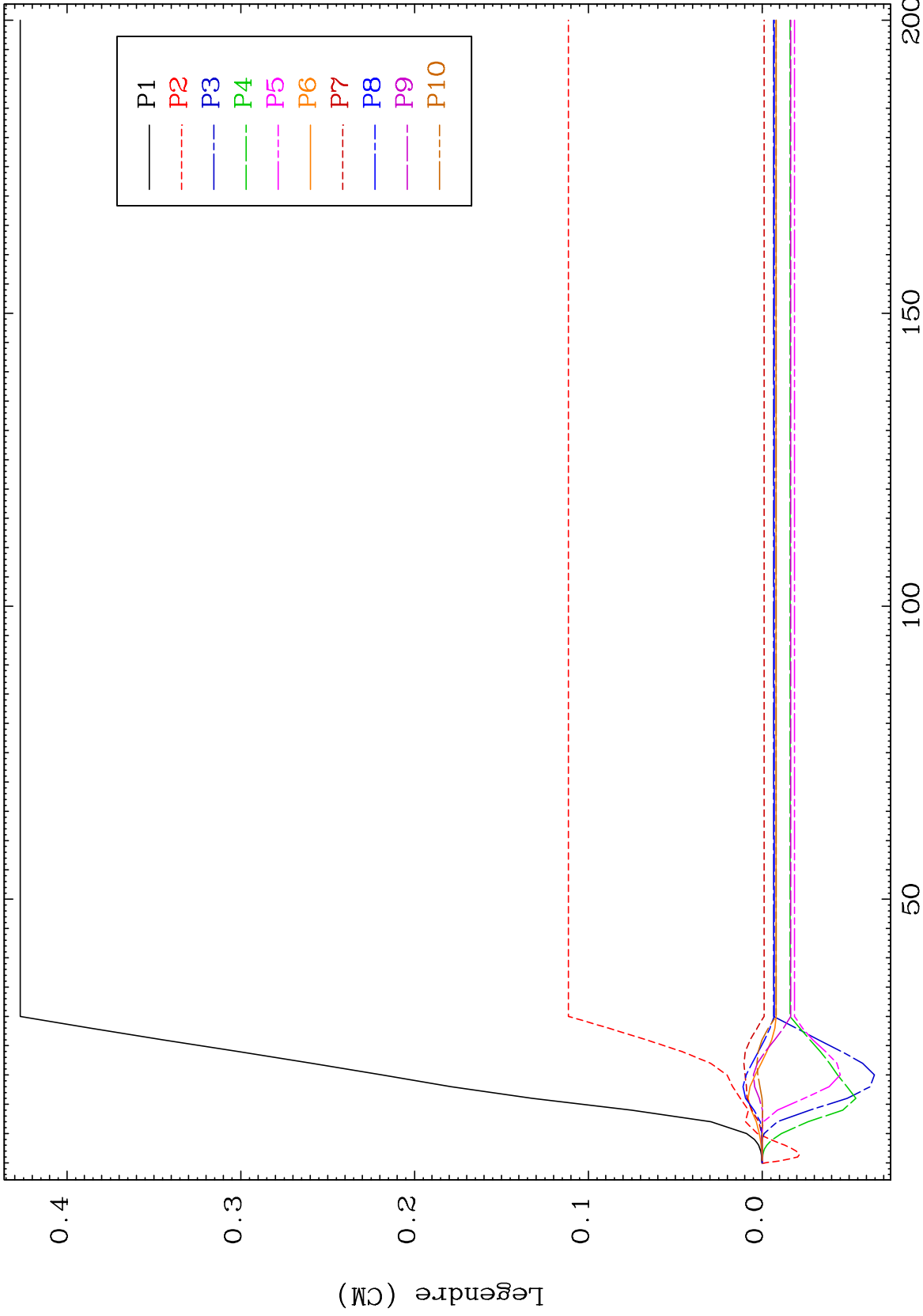
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54



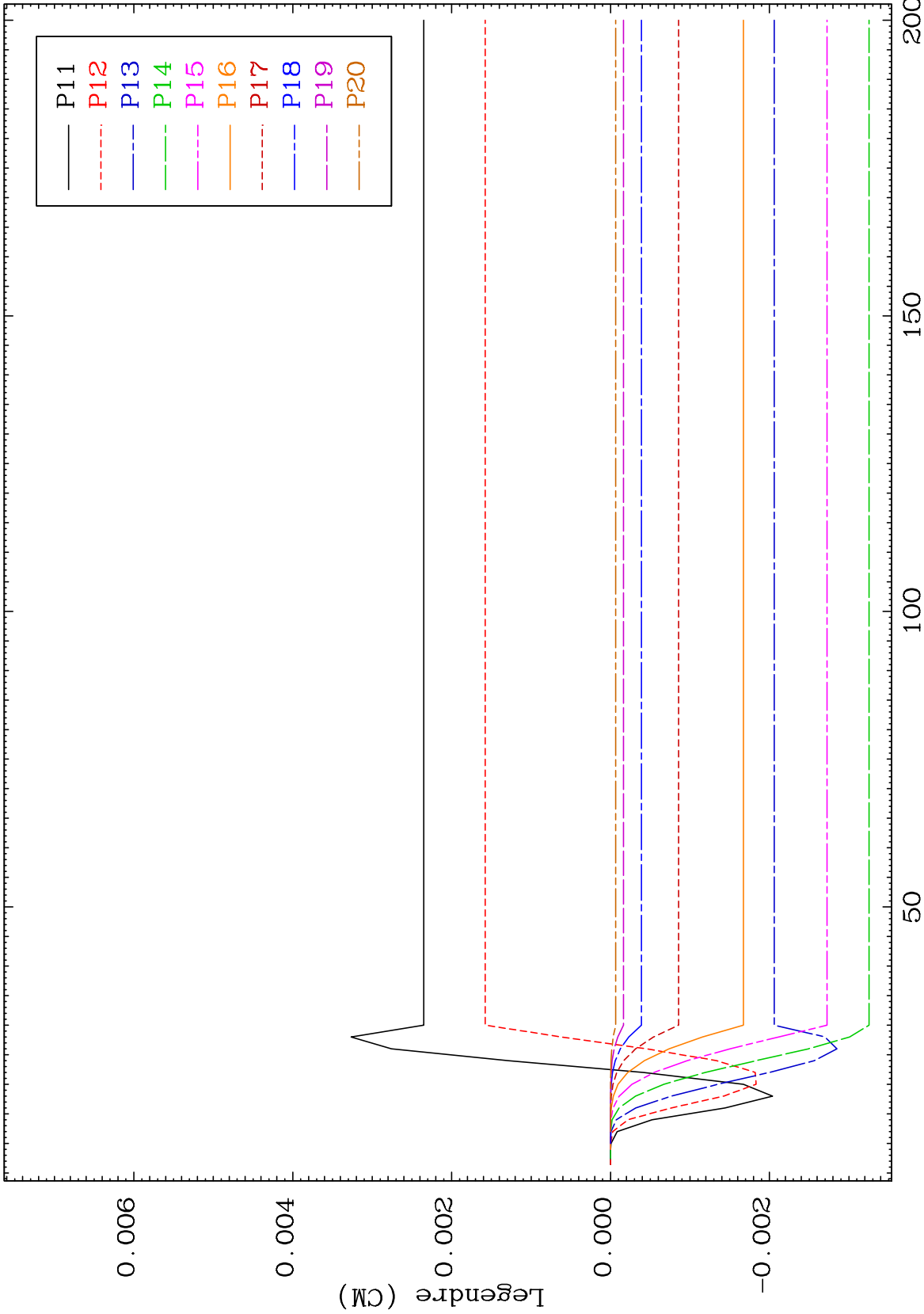
86

26-Fe-54

MAT 2625

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

26-Fe-54



87

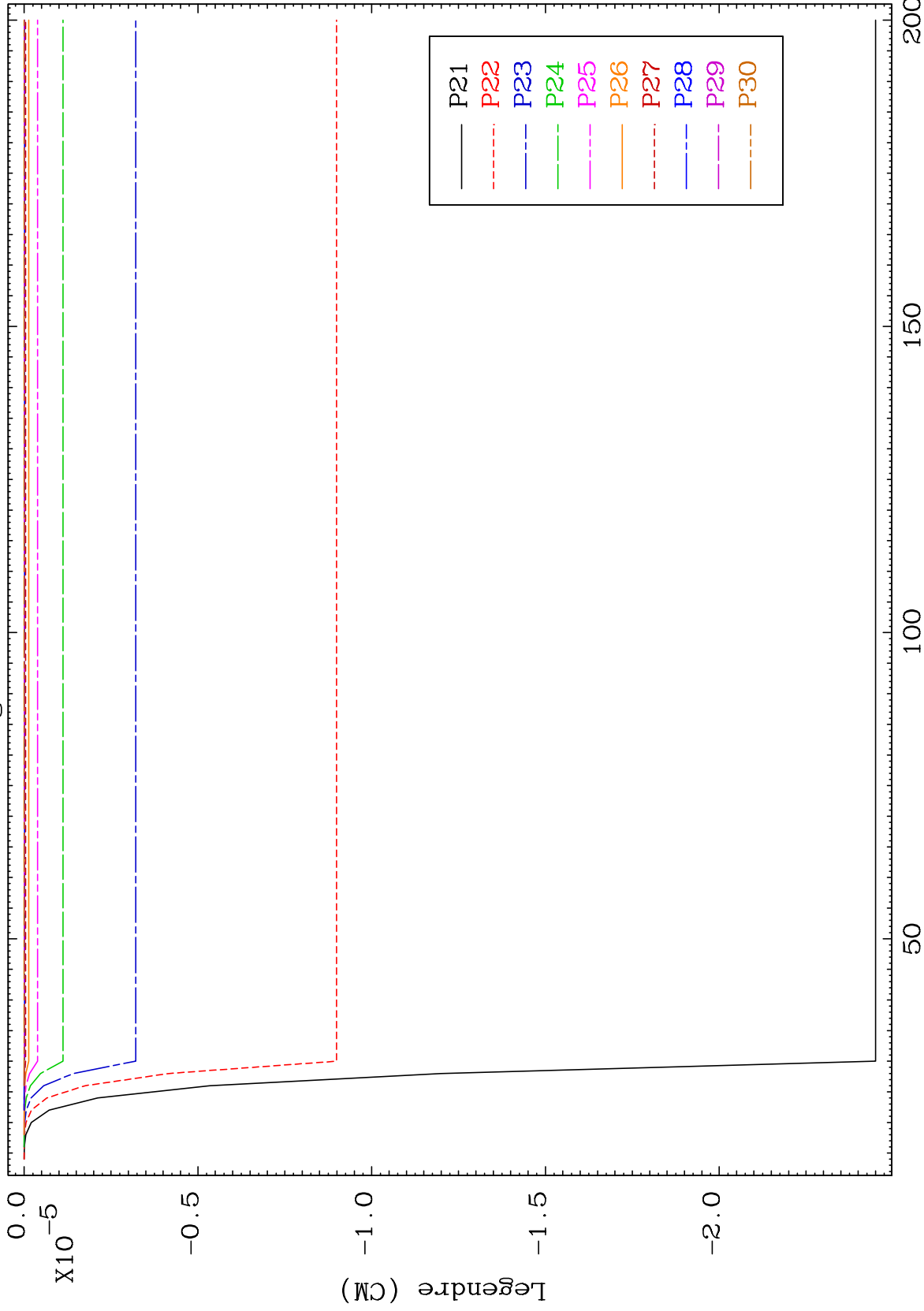
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54



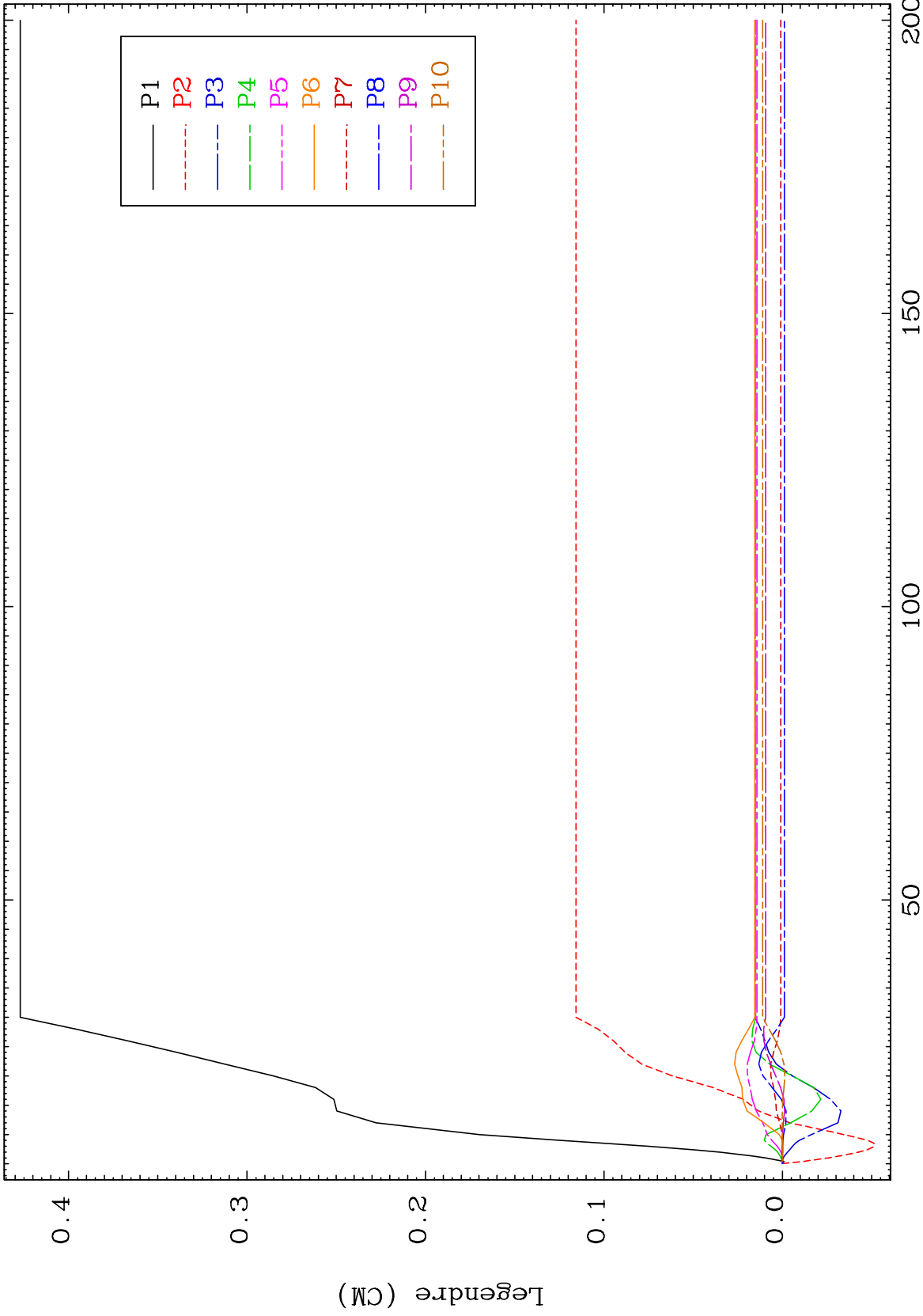
88

26-Fe-54

MAT 2625

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

26-Fe-54



89

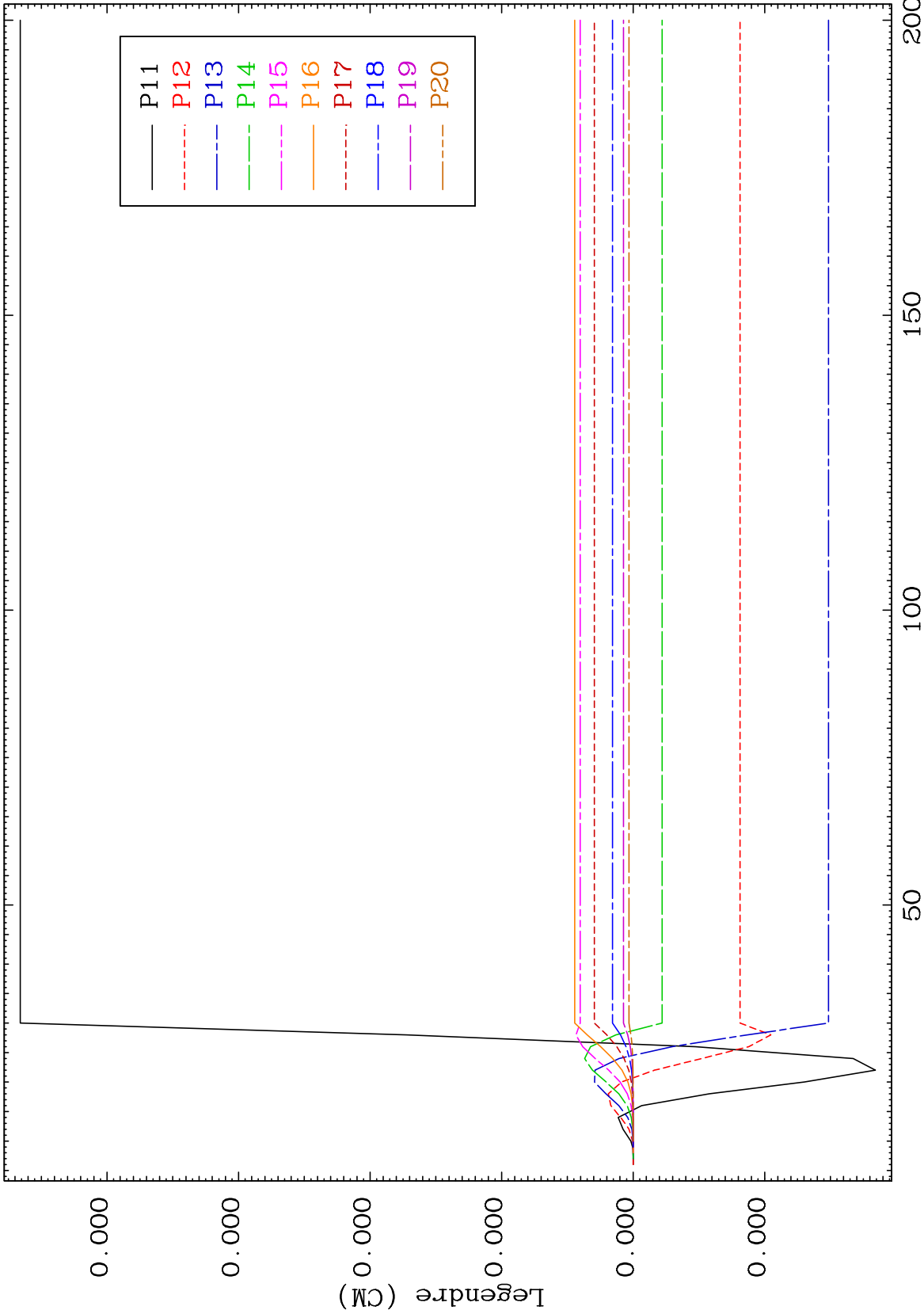
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54



90

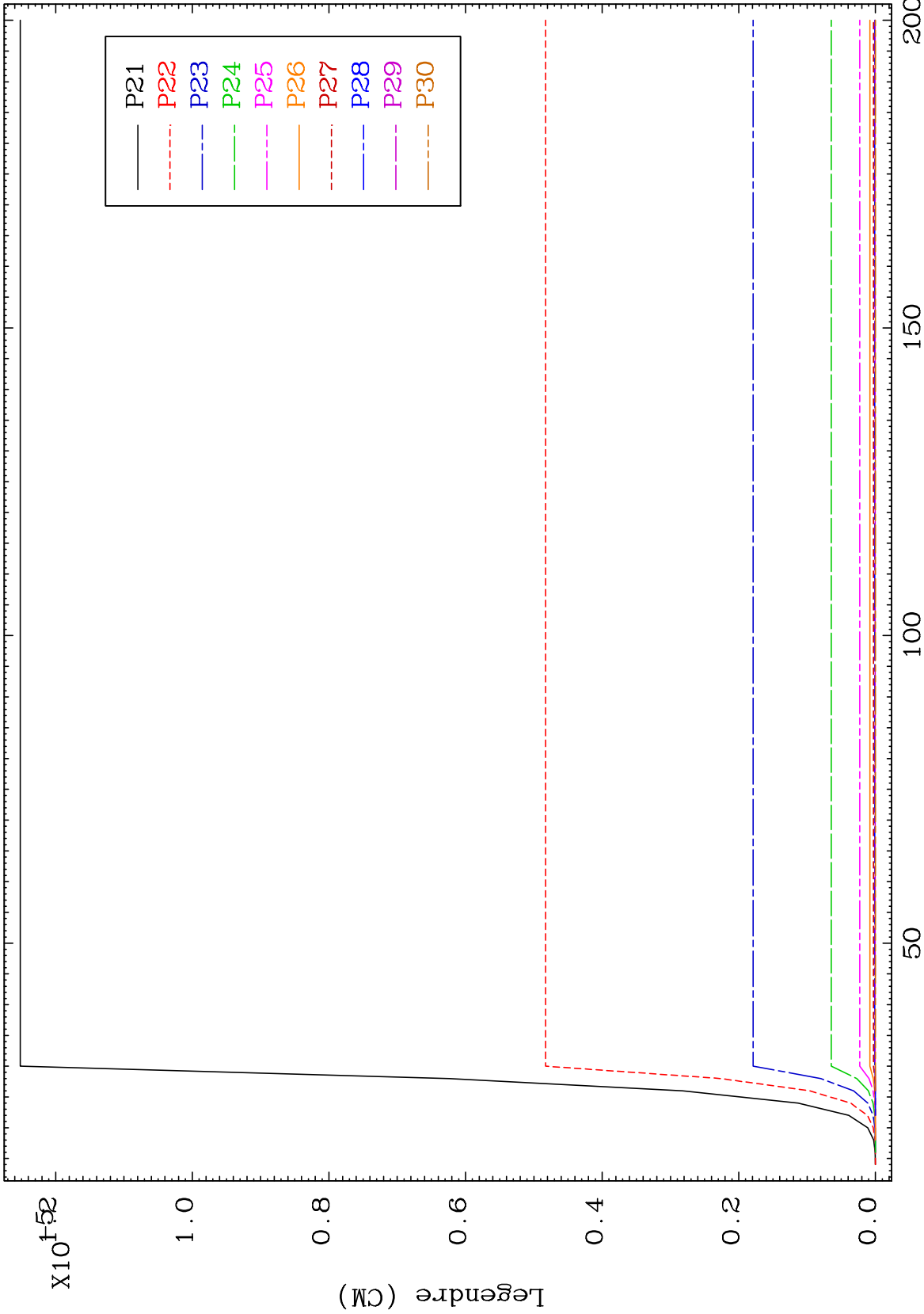
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54



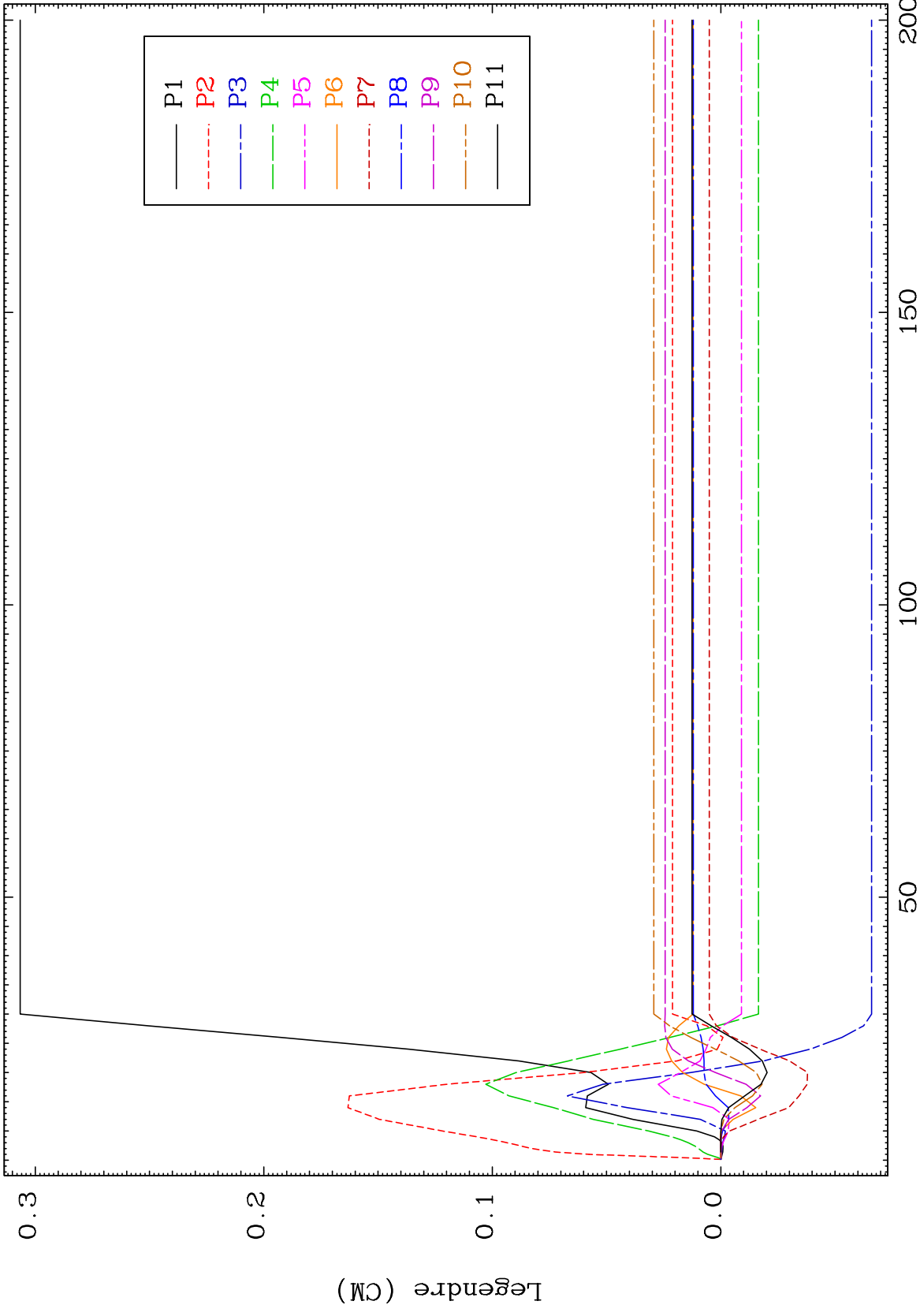
91

26-Fe-54

MAT 2625

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

26-Fe-54



92

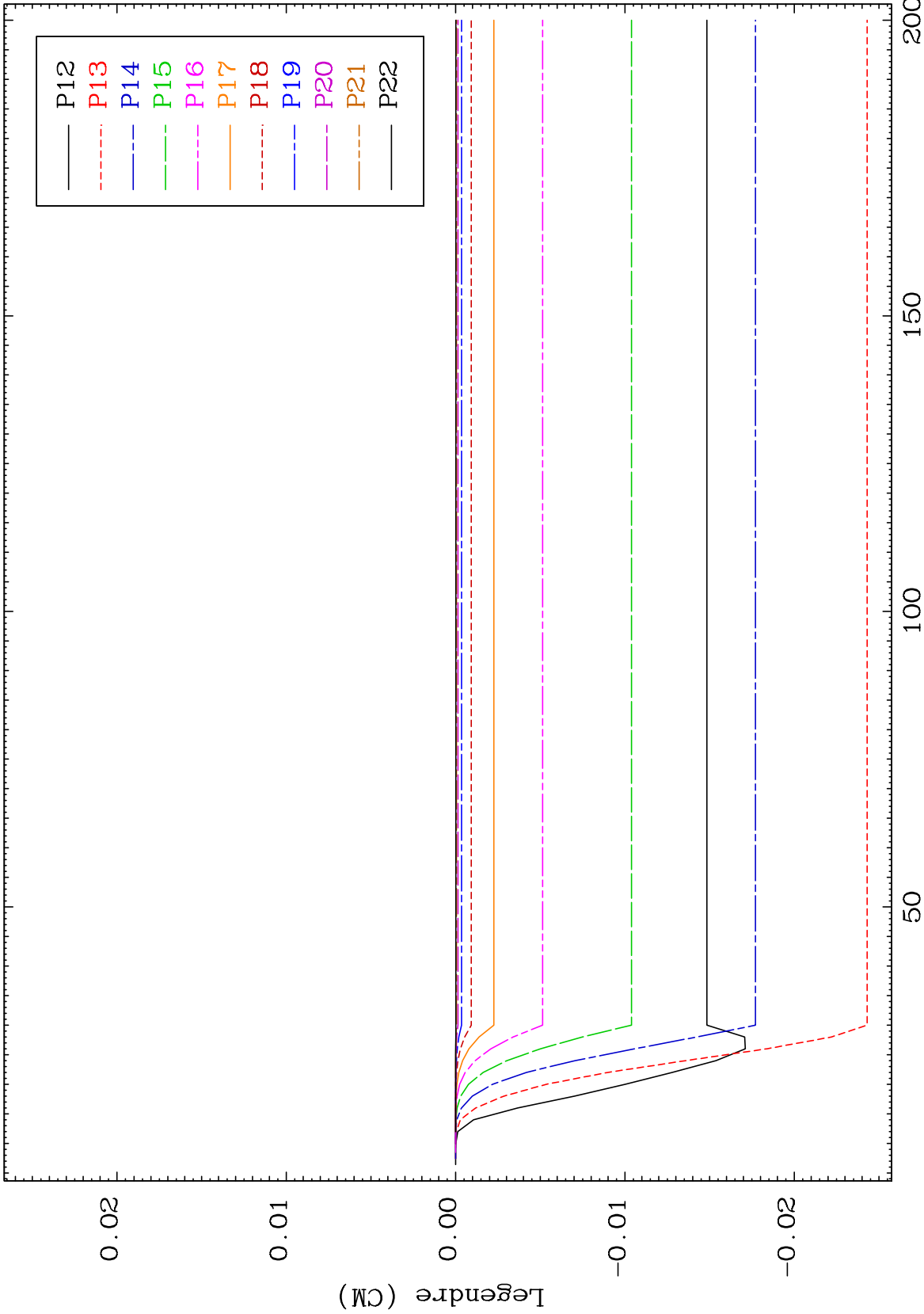
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54

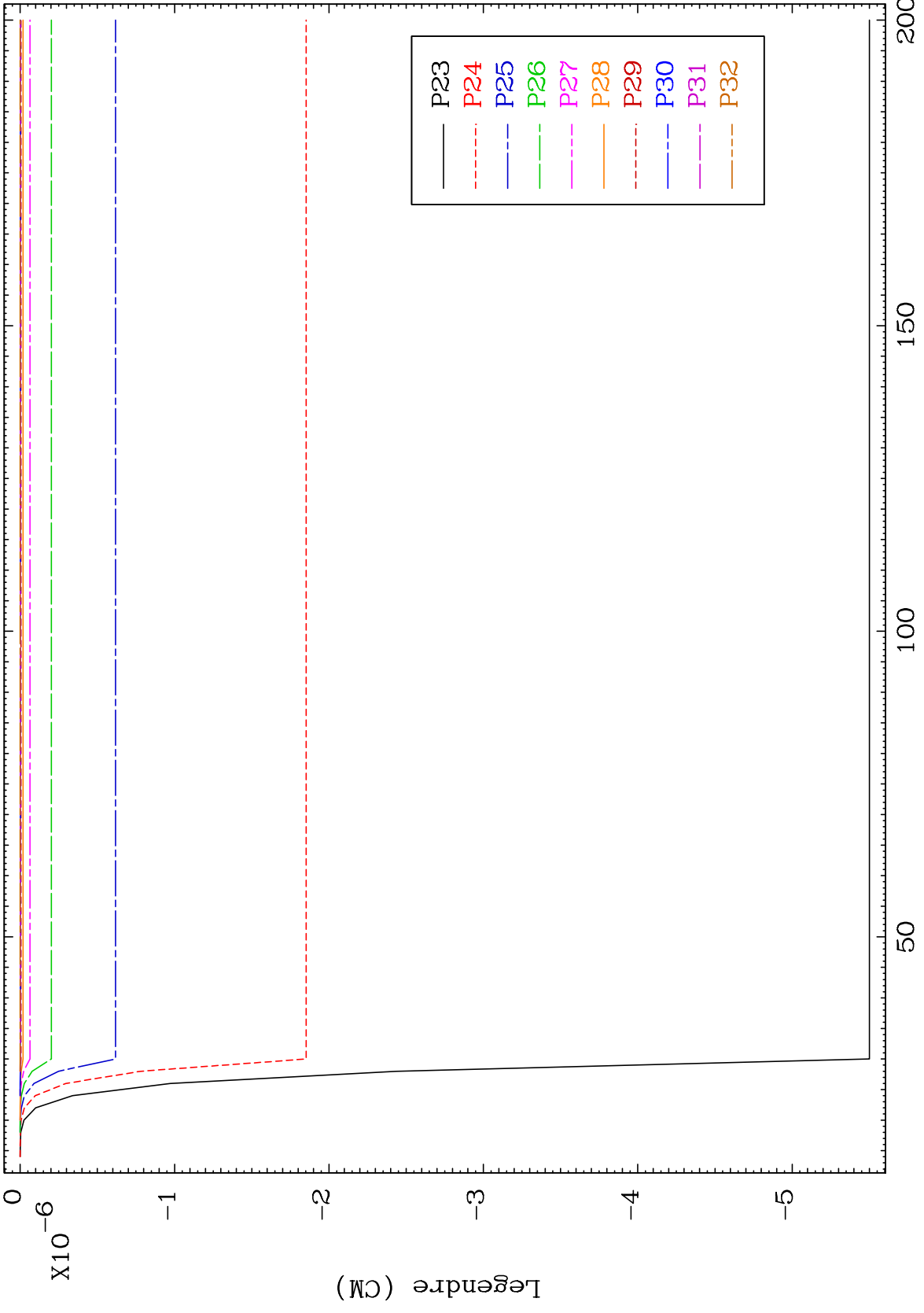


93

Incident Energy (MeV)

26-Fe-54

MAT 2625 MT= 76 (n,n') Level Legendre Coefficients 26-Fe-54

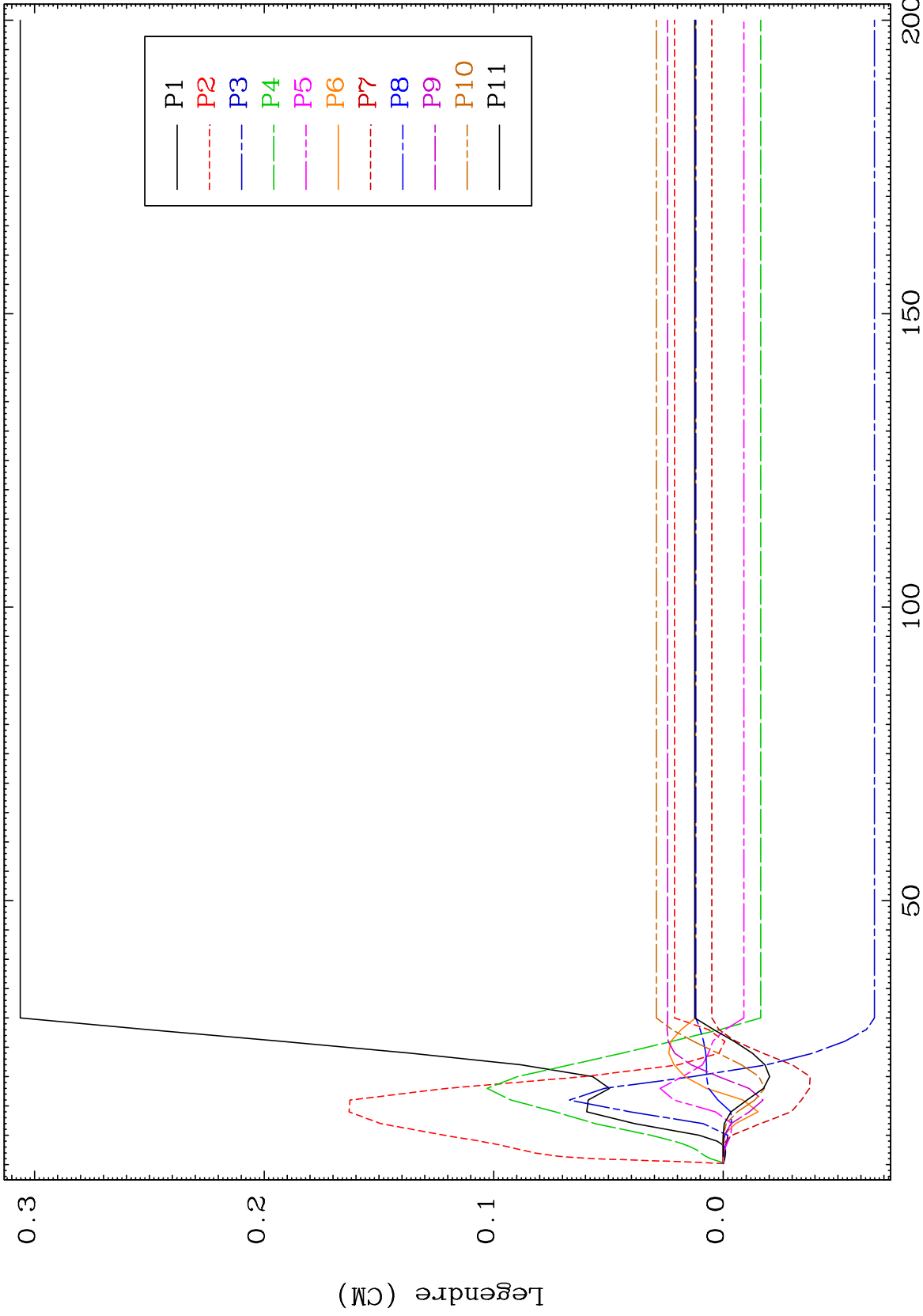


94 Incident Energy (MeV) 26-Fe-54

MAT 2625

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

26-Fe-54



95

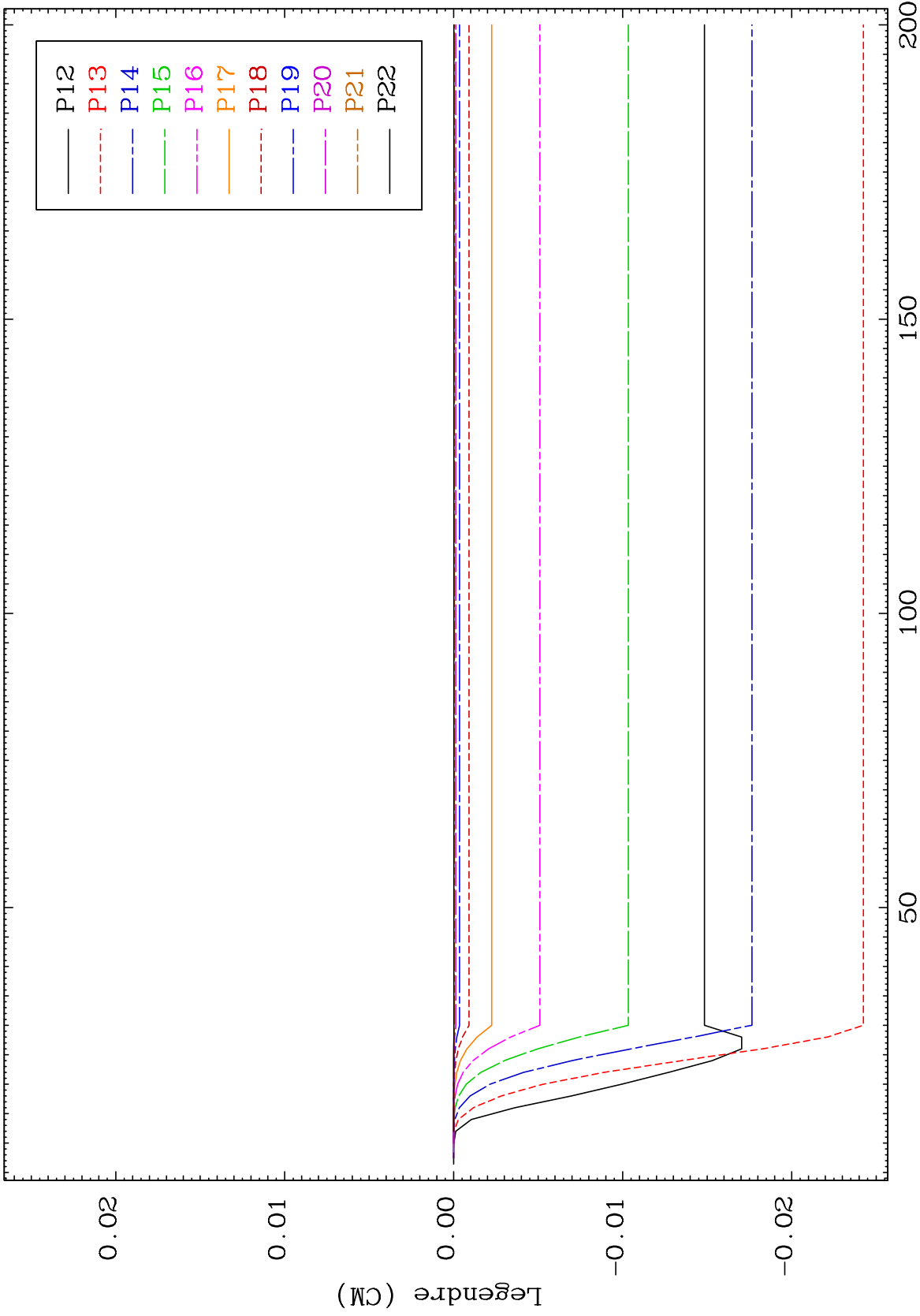
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54

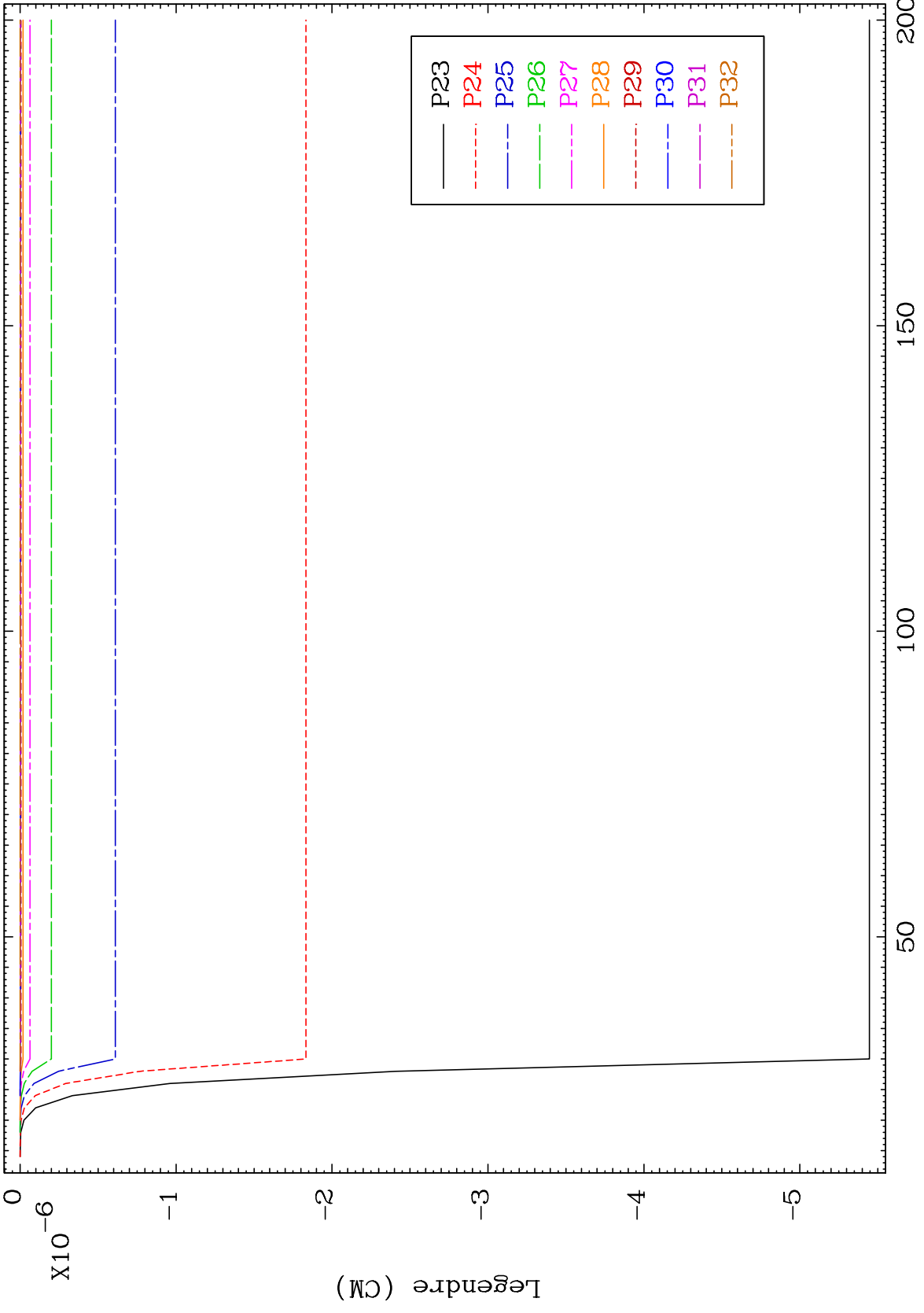


96

Incident Energy (MeV)

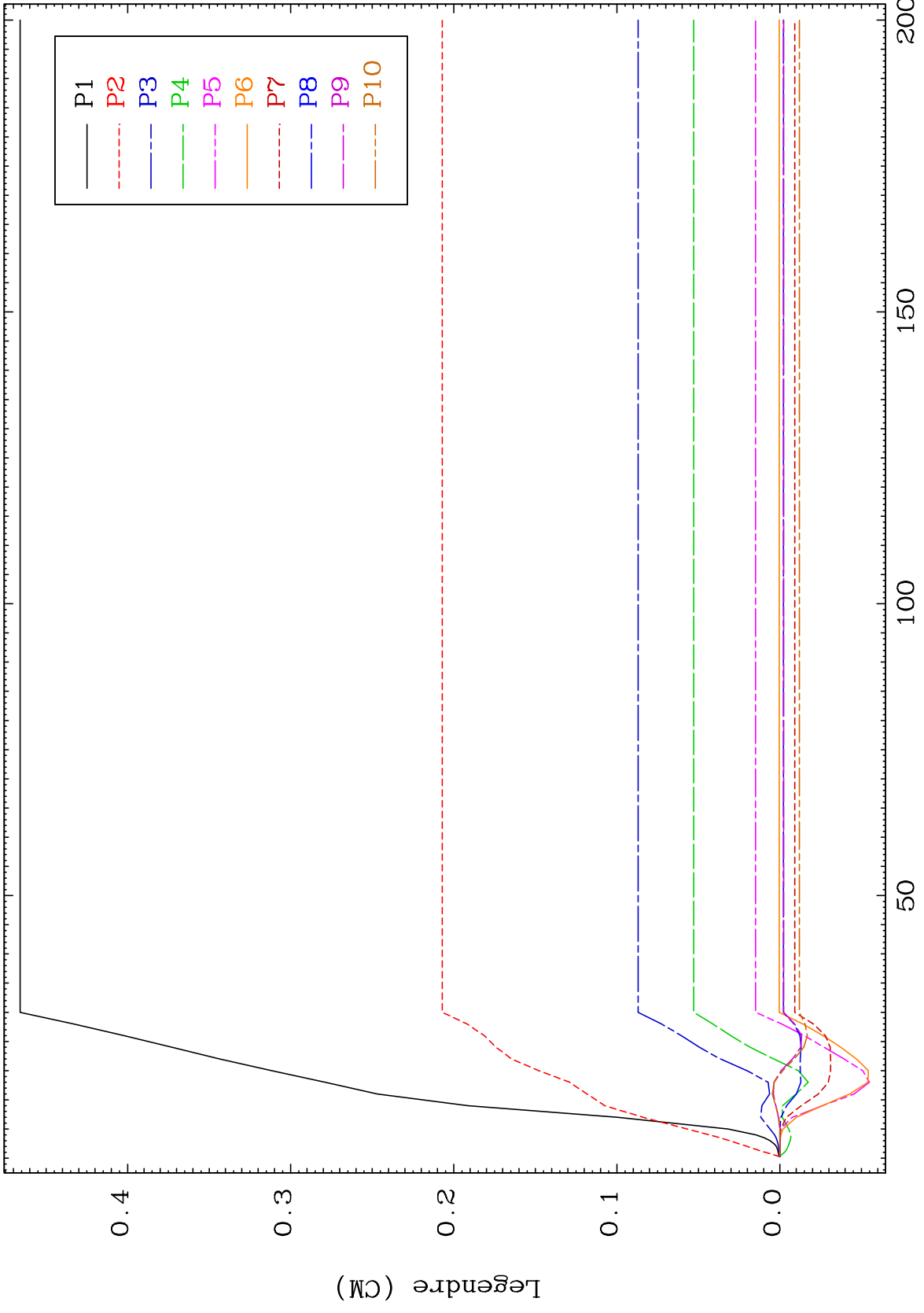
26-Fe-54

MAT 2625 MT= 77 (n,n') Level Legendre Coefficients 26-Fe-54



97 Incident Energy (MeV) 26-Fe-54

MAT 2625 MT= 78 (n,n') Level Legendre Coefficients 26-Fe-54

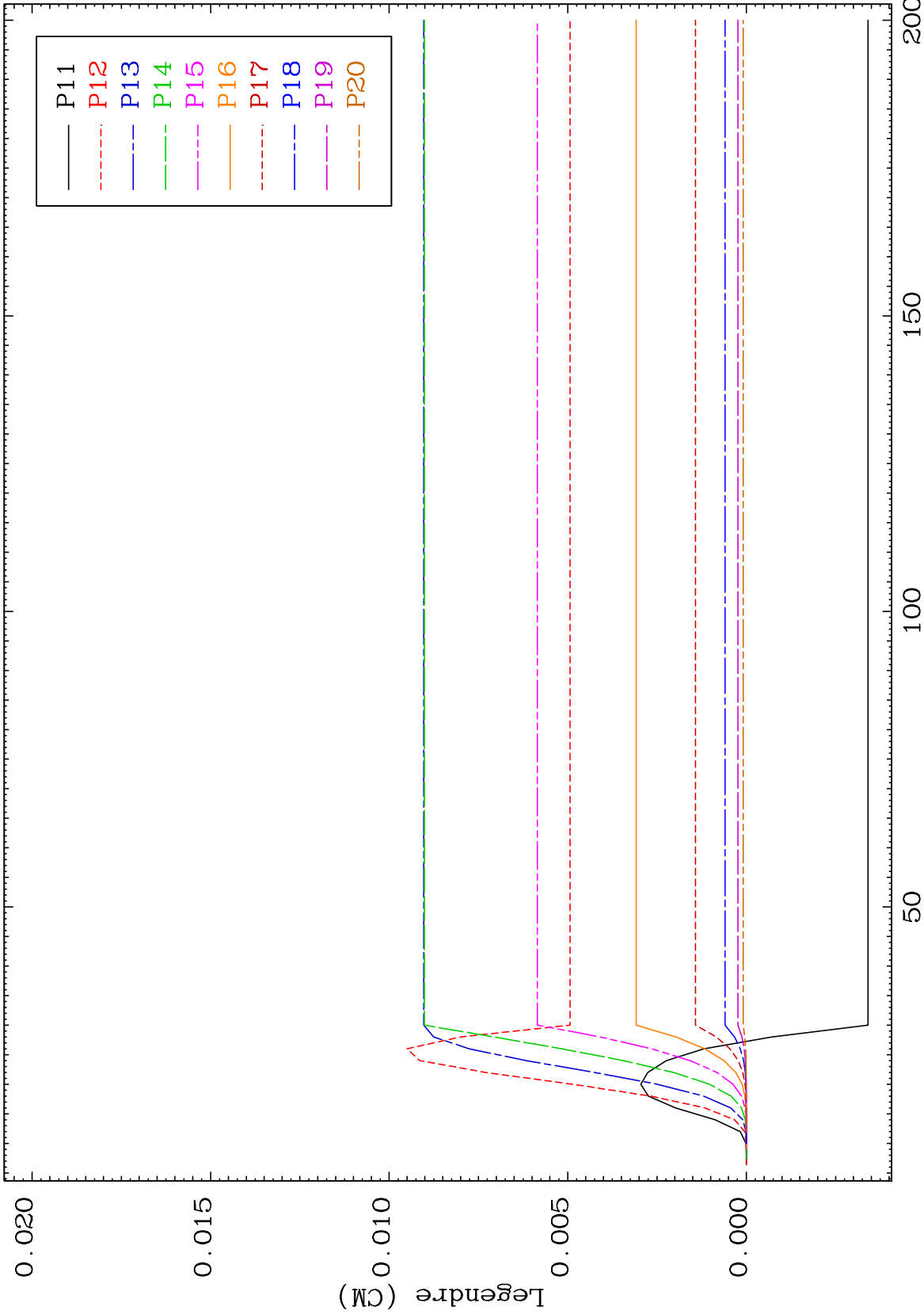


98 26-Fe-54

MAT 2625

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

26-Fe-54



99

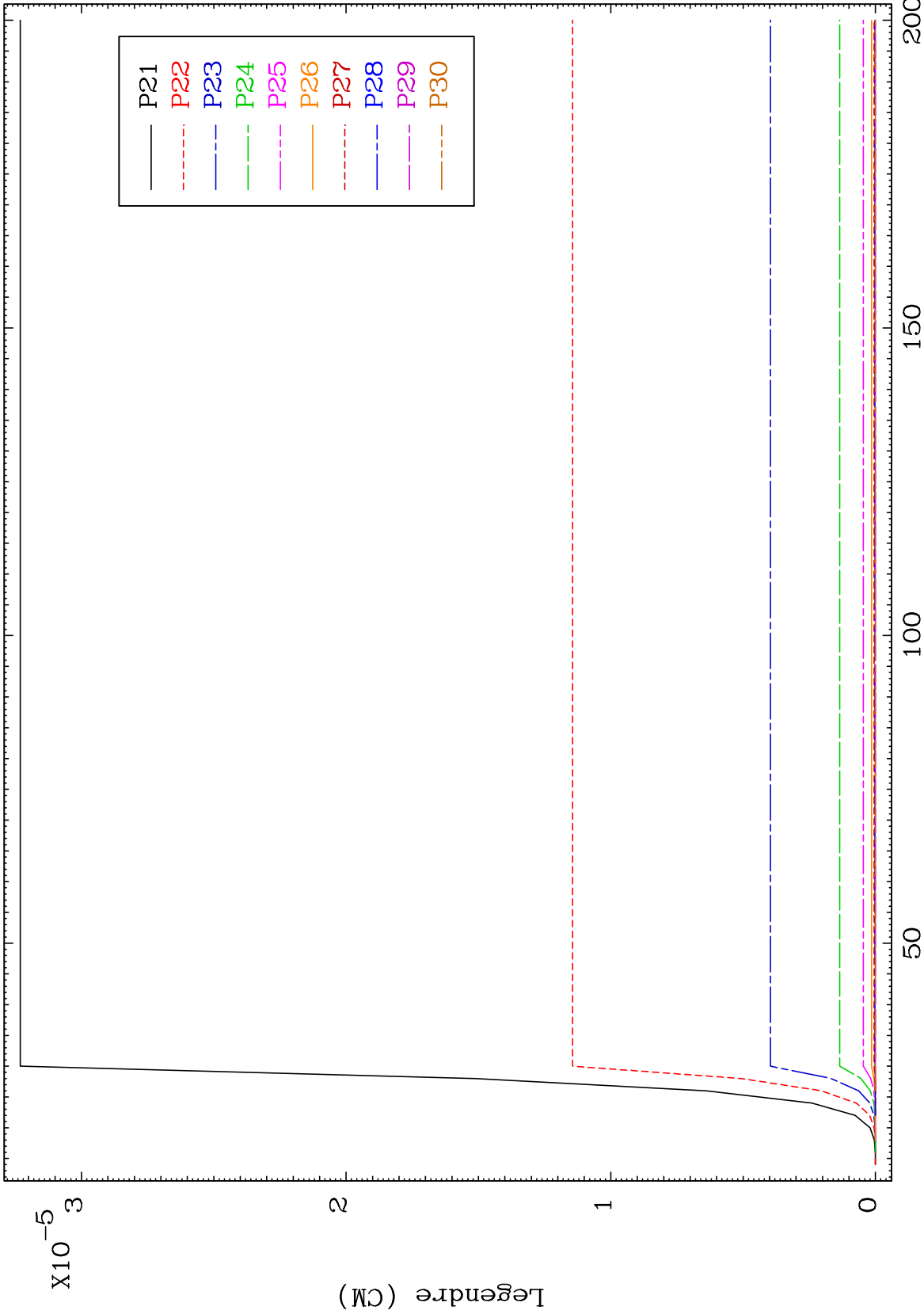
Incident Energy (MeV)

26-Fe-54

MAT 2625

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

26-Fe-54



26-Fe-54

Incident Energy (MeV)

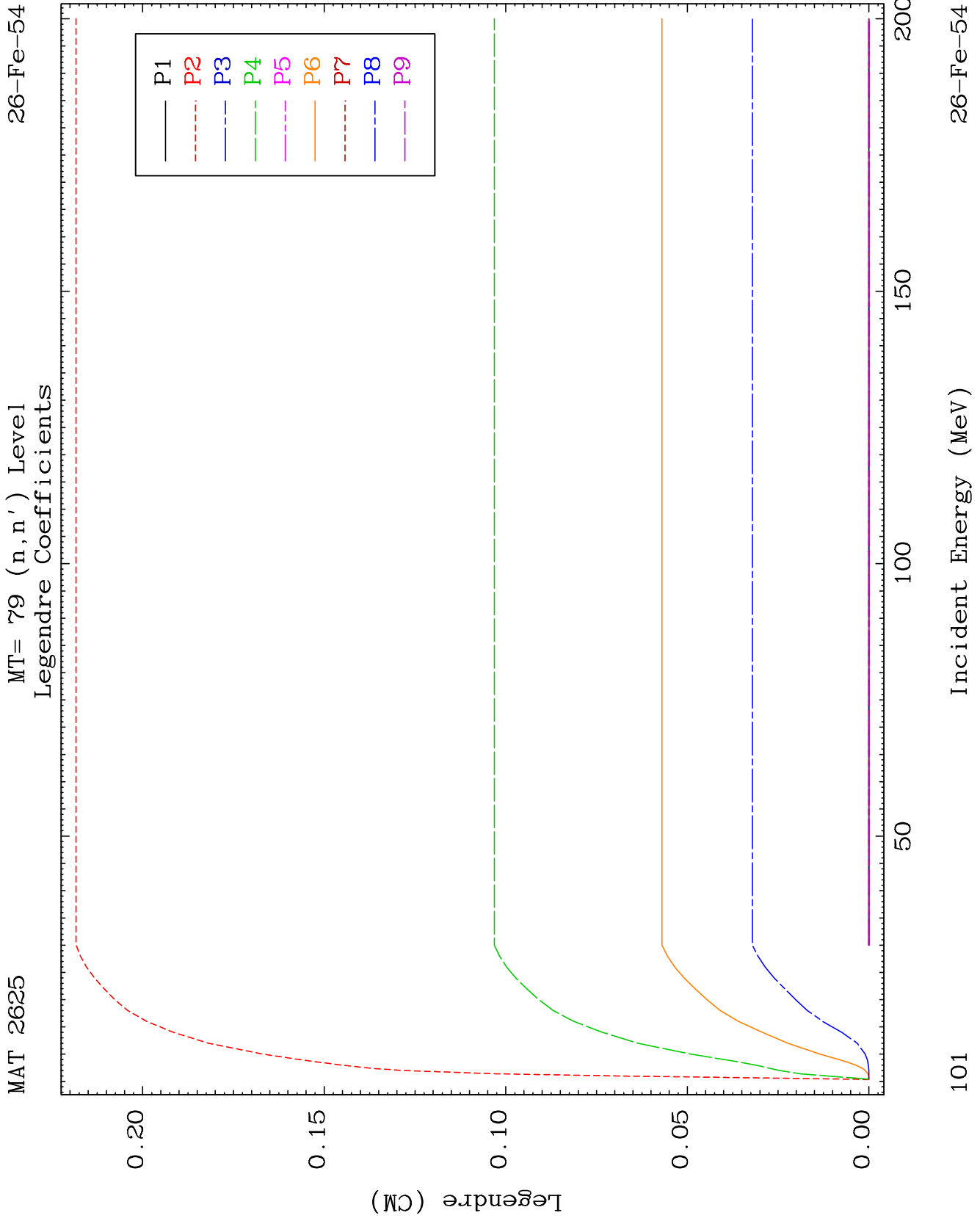
100

50

100

150

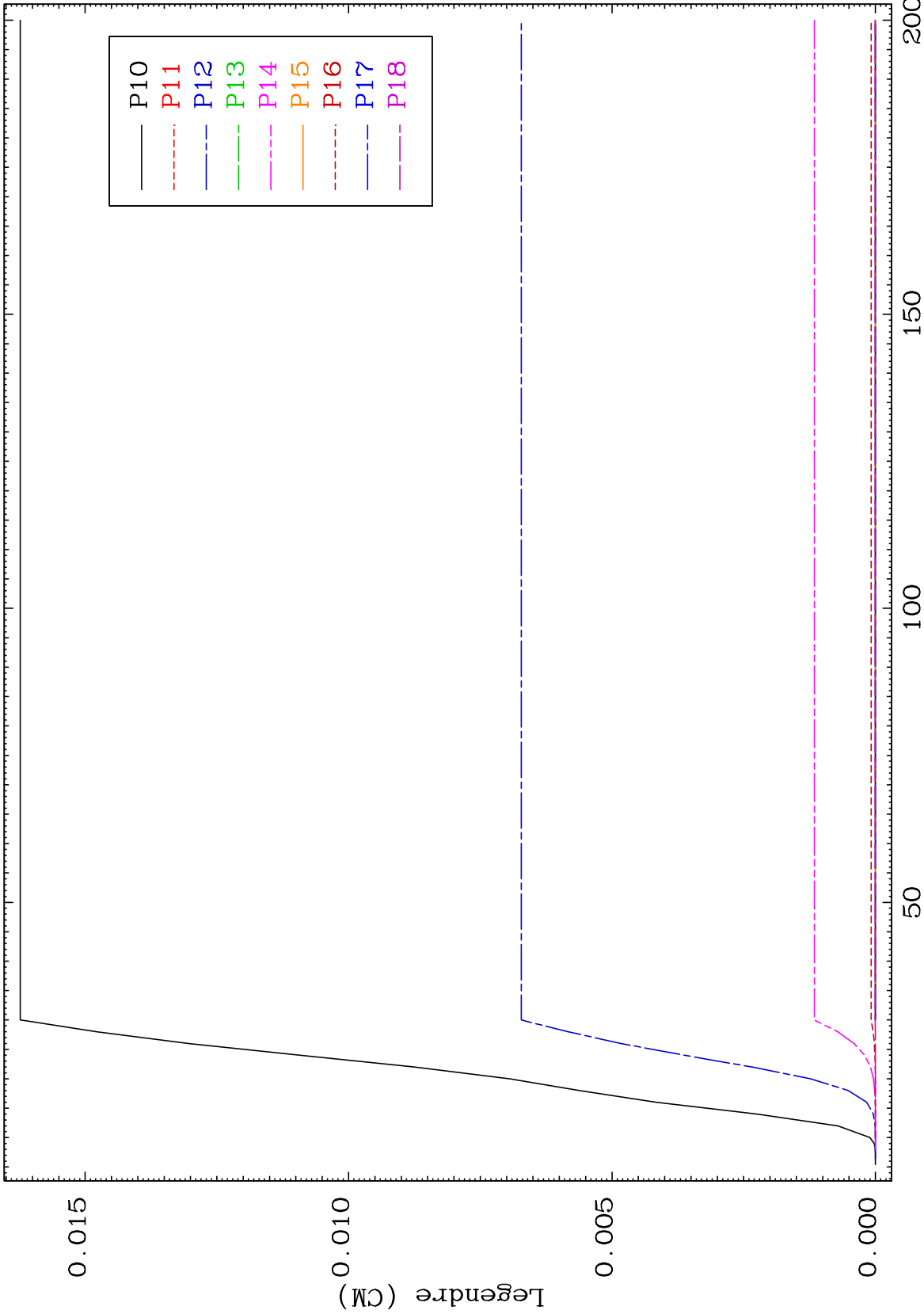
200



MAT 2625

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

26-Fe-54

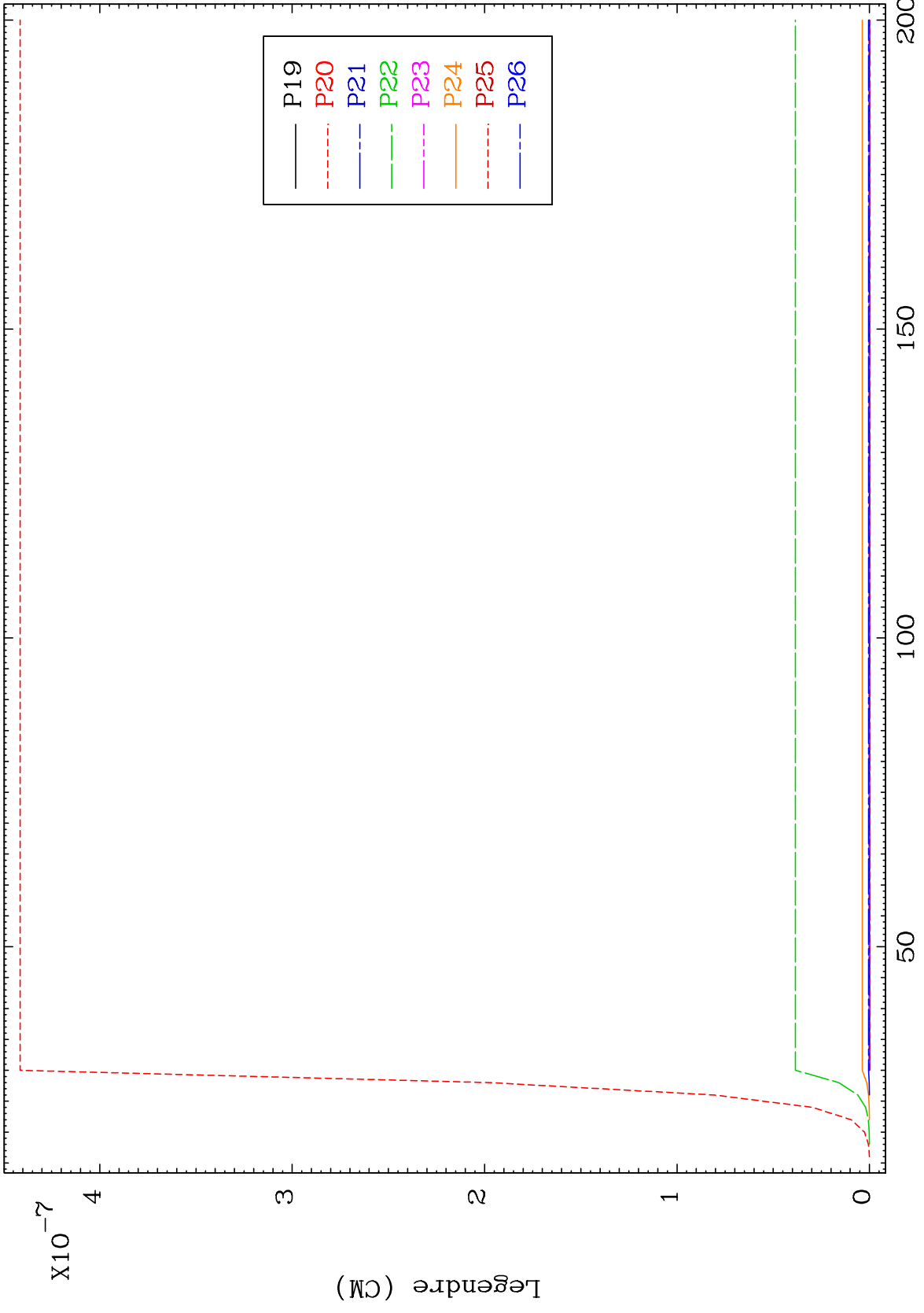


102

Incident Energy (MeV)

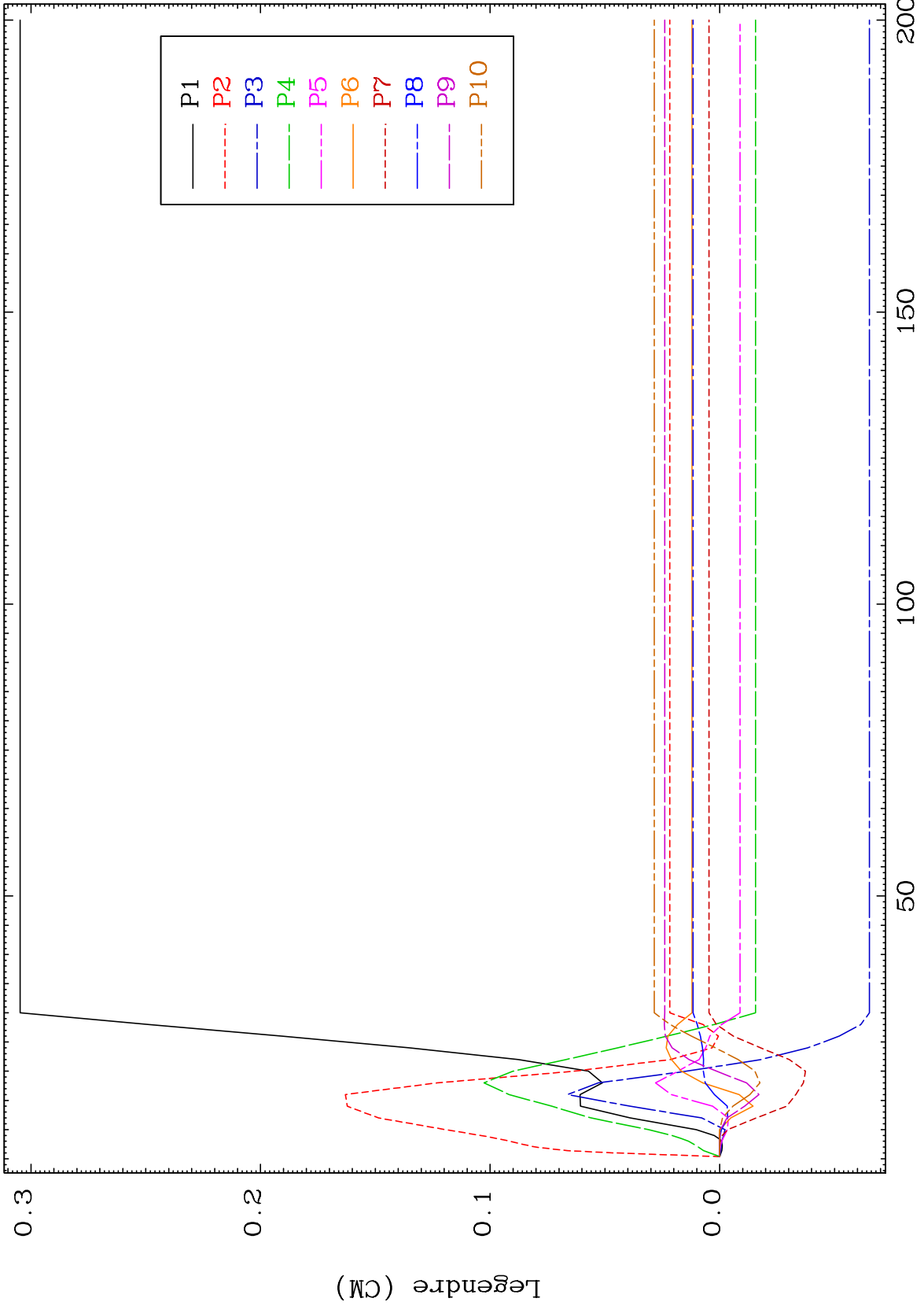
26-Fe-54

MAT 2625 MT= 79 (n,n') Level Legendre Coefficients 26-Fe-54



103 50 100 150 200 26-Fe-54

MAT 2625 MT= 80 (n,n') Level Legendre Coefficients 26-Fe-54

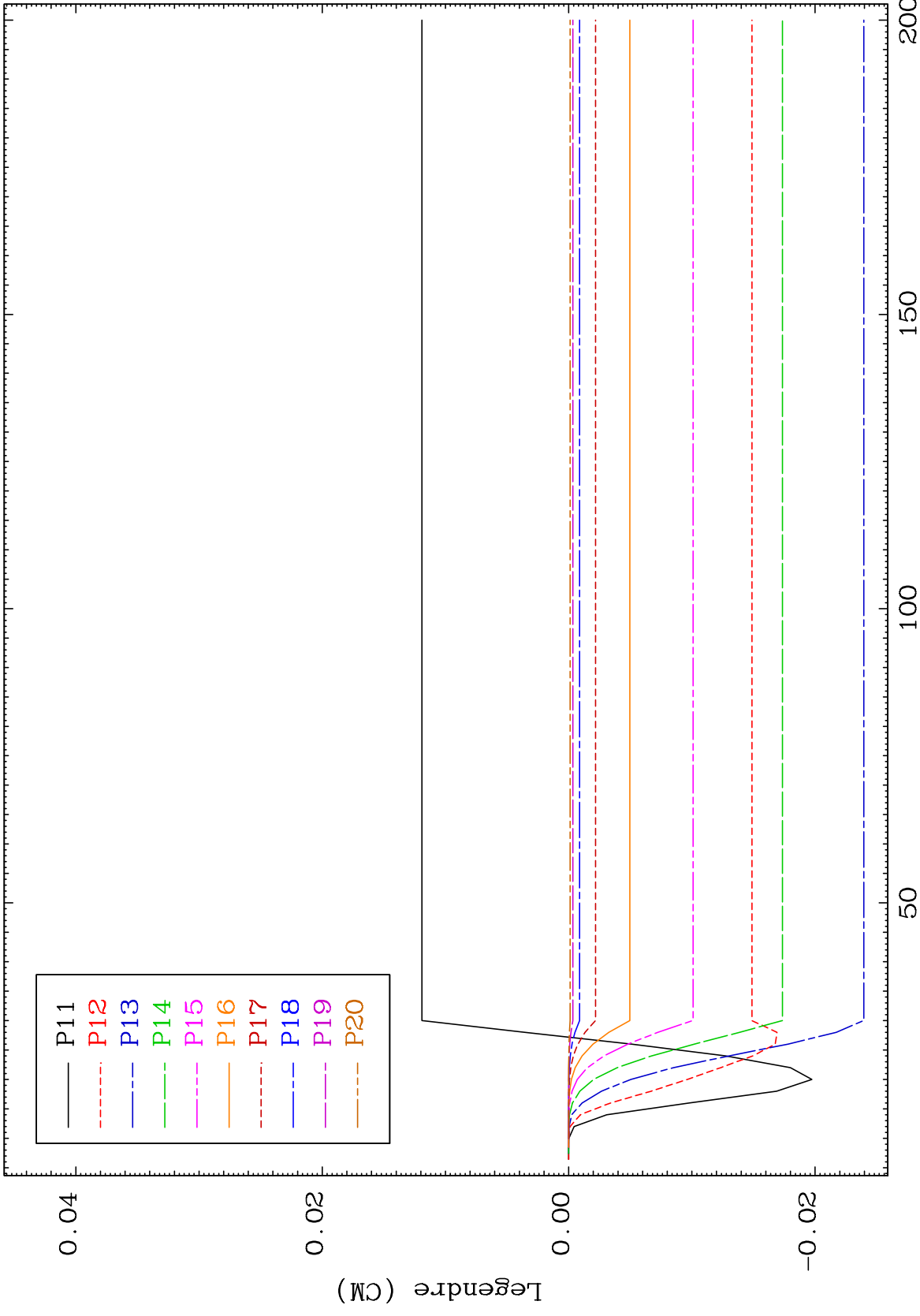


104 Incident Energy (MeV) 26-Fe-54

MAT 2625

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

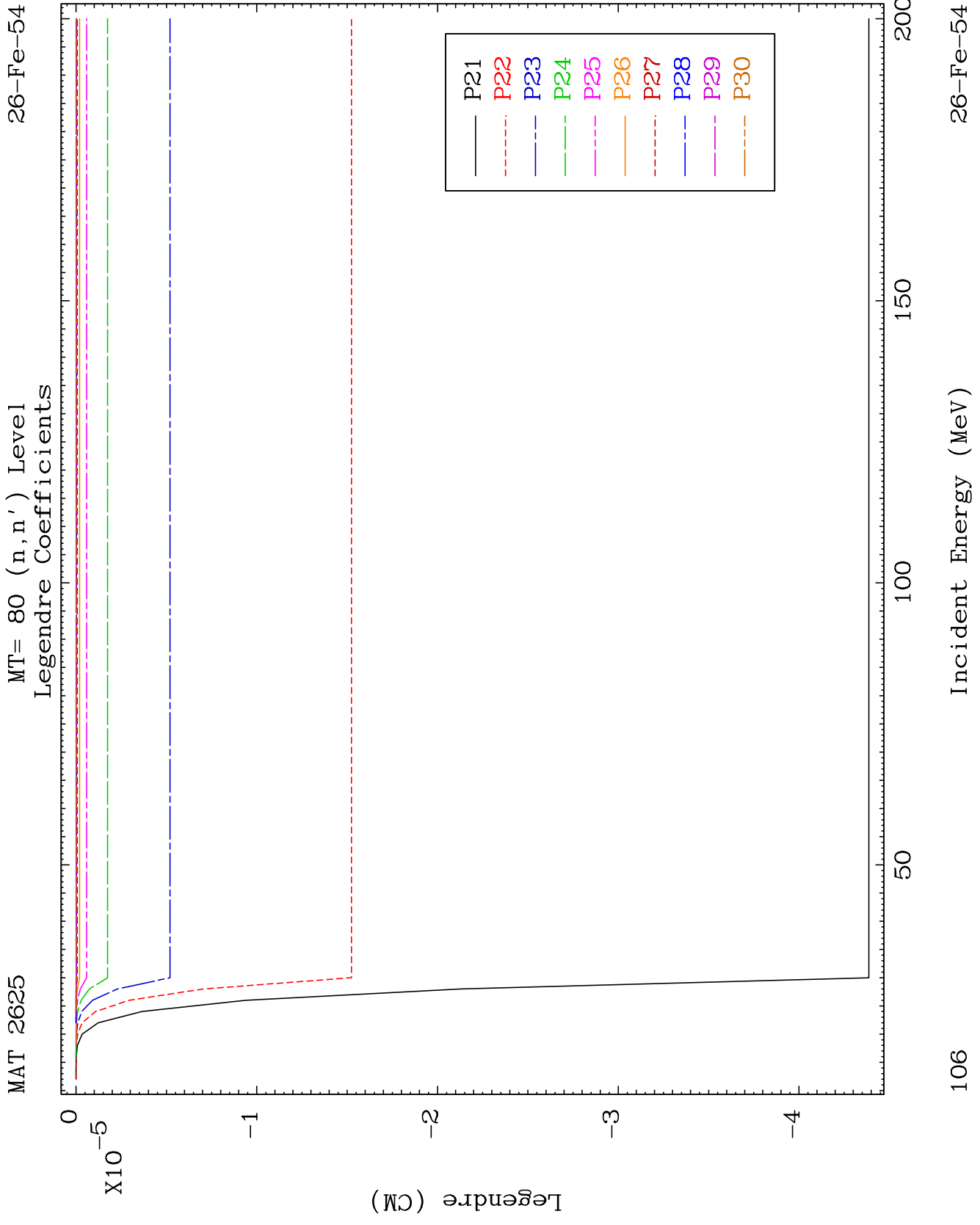
26-Fe-54

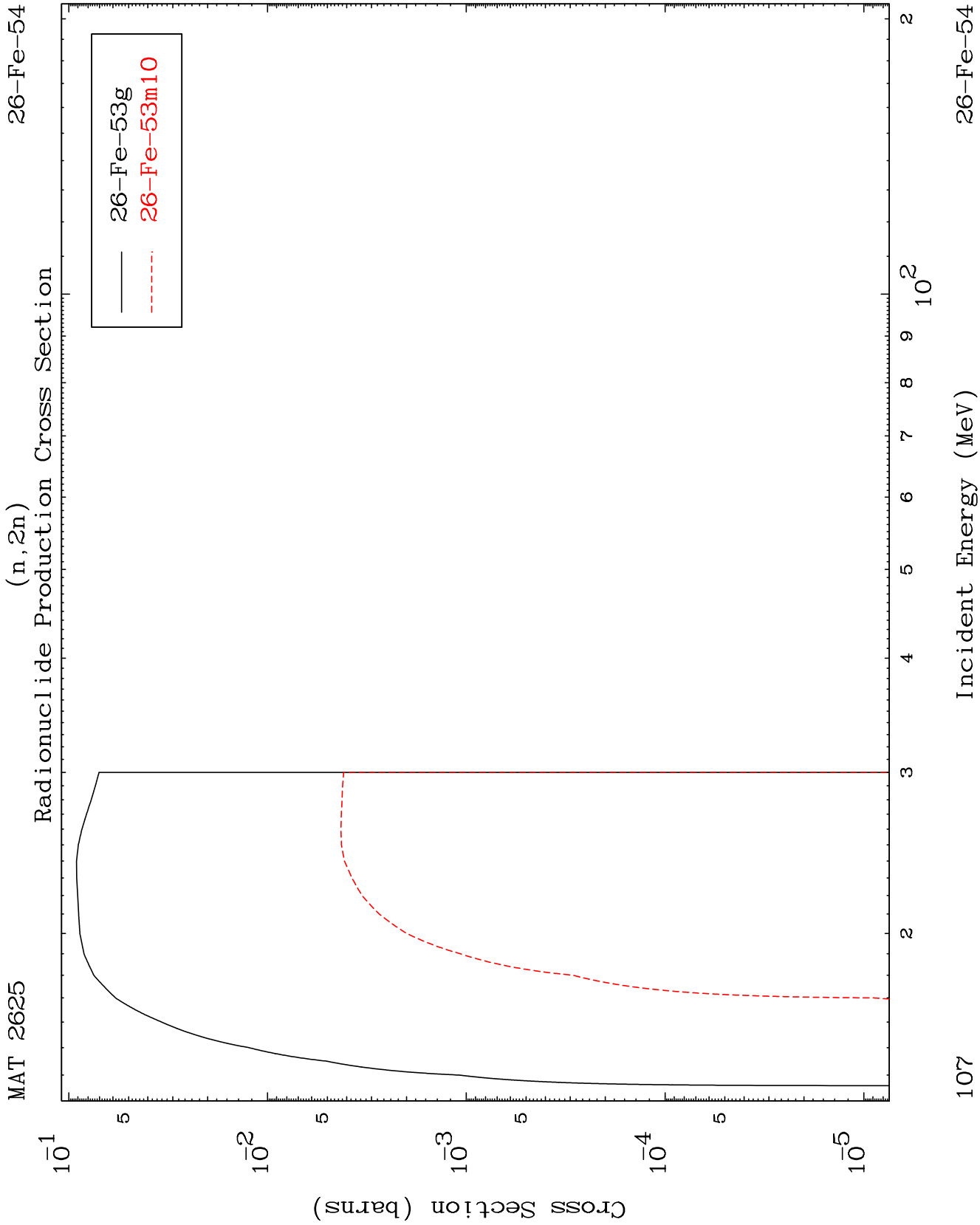


105

Incident Energy (MeV)

26-Fe-54

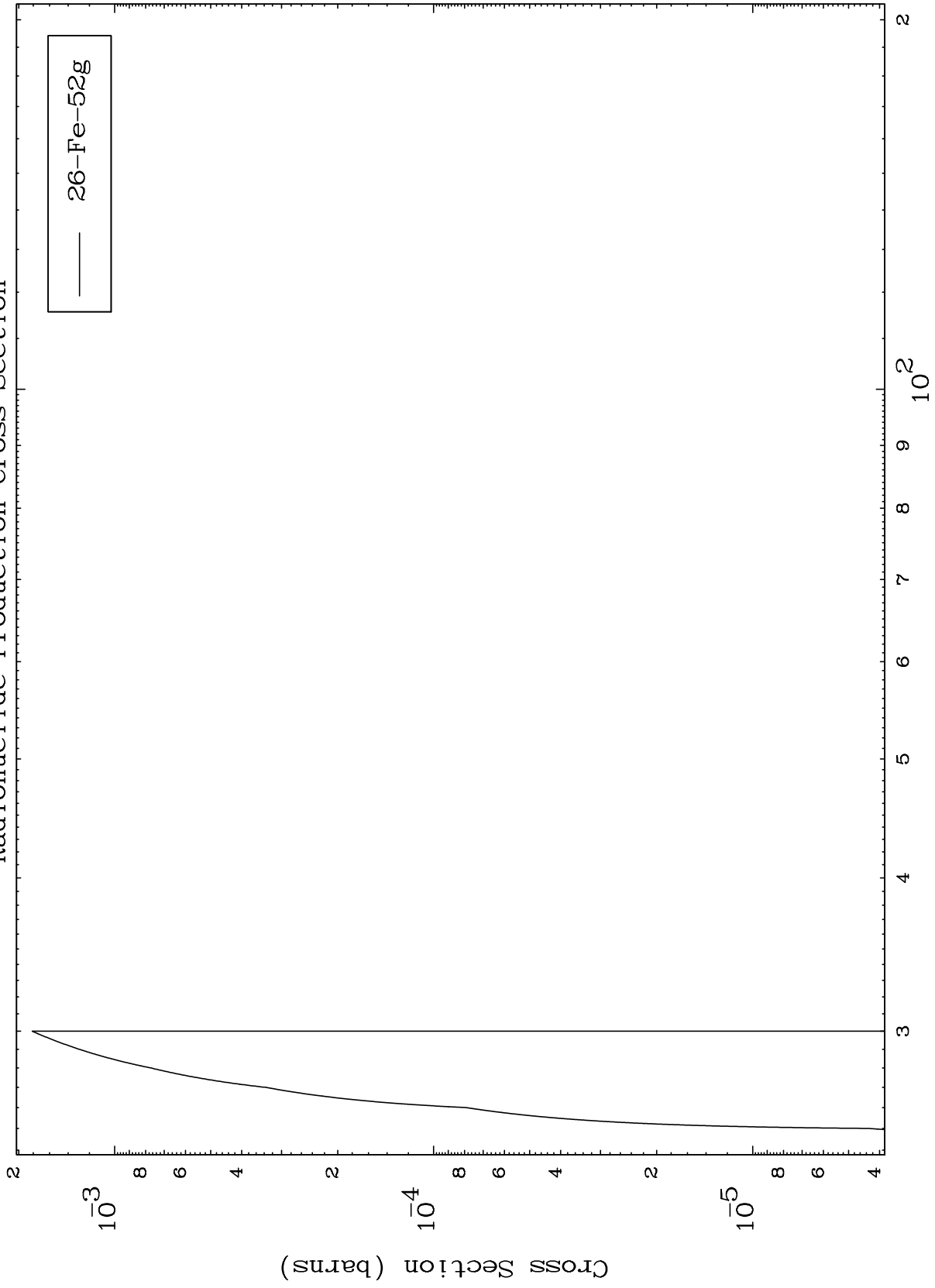




MAT 2625

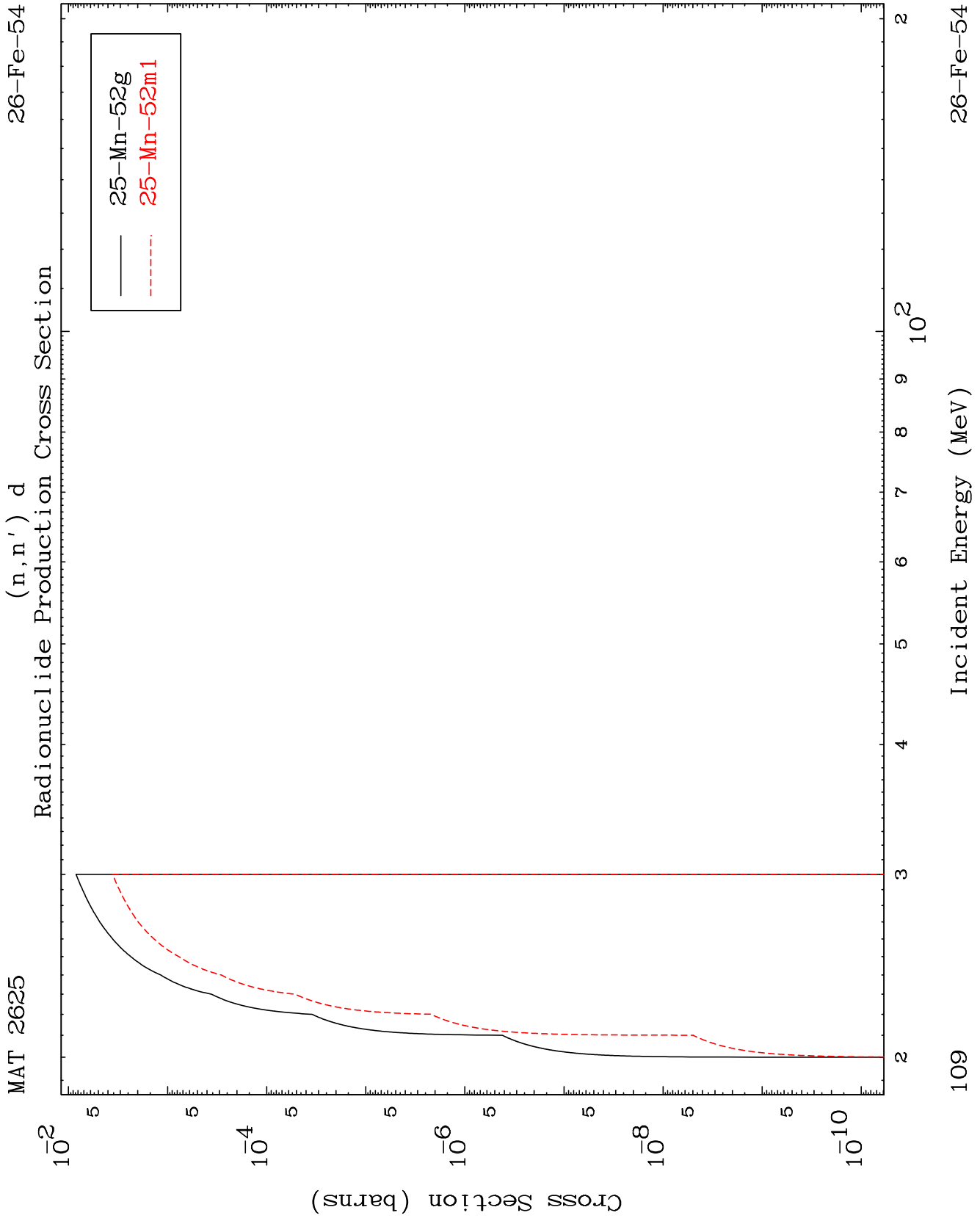
²⁶Fe-54

(n,3n)
Radionuclide Production Cross Section



108

²⁶Fe-54

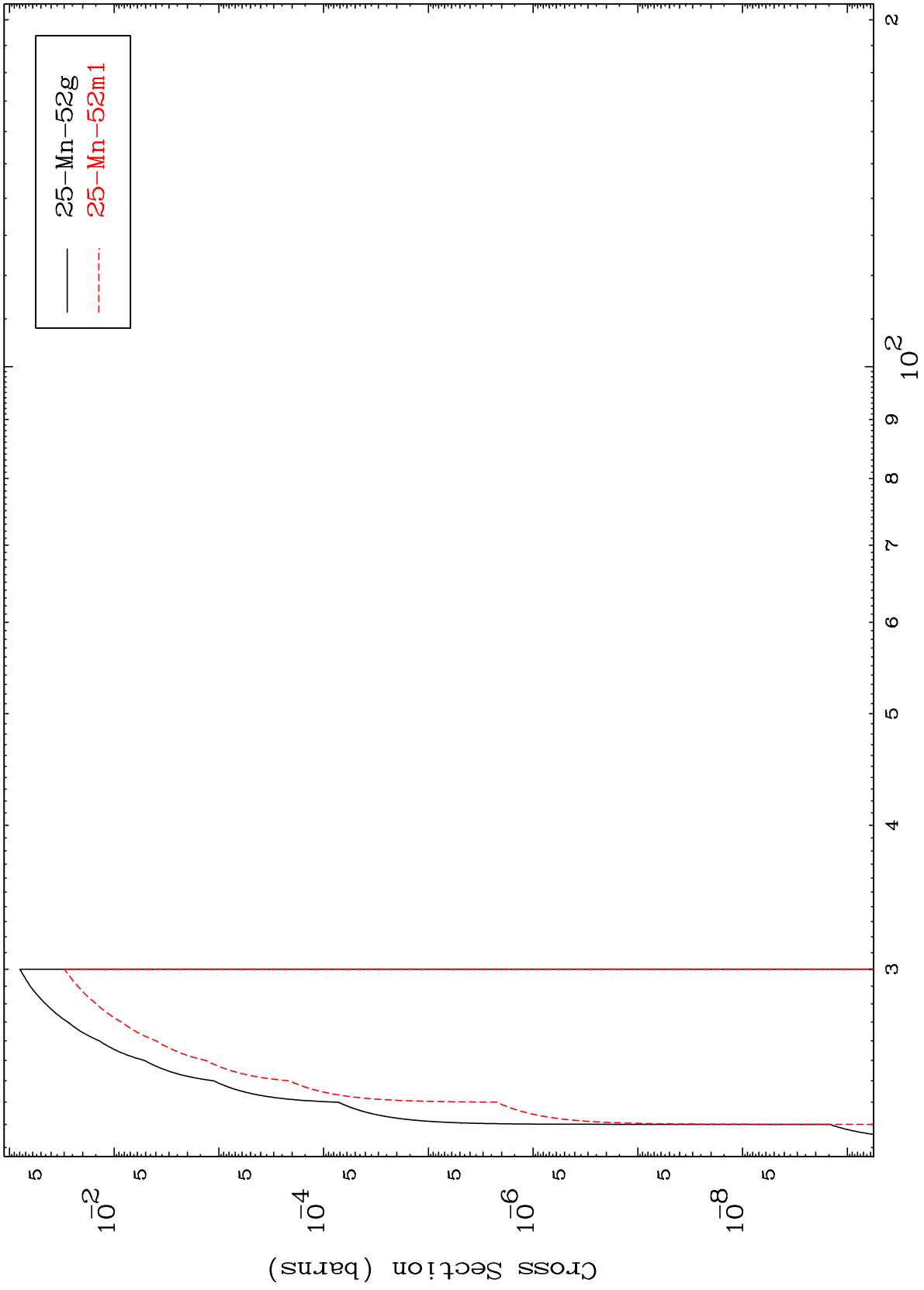


MAT 2625

(n,2n) p

²⁶Fe-54

Radionuclide Production Cross Section



110

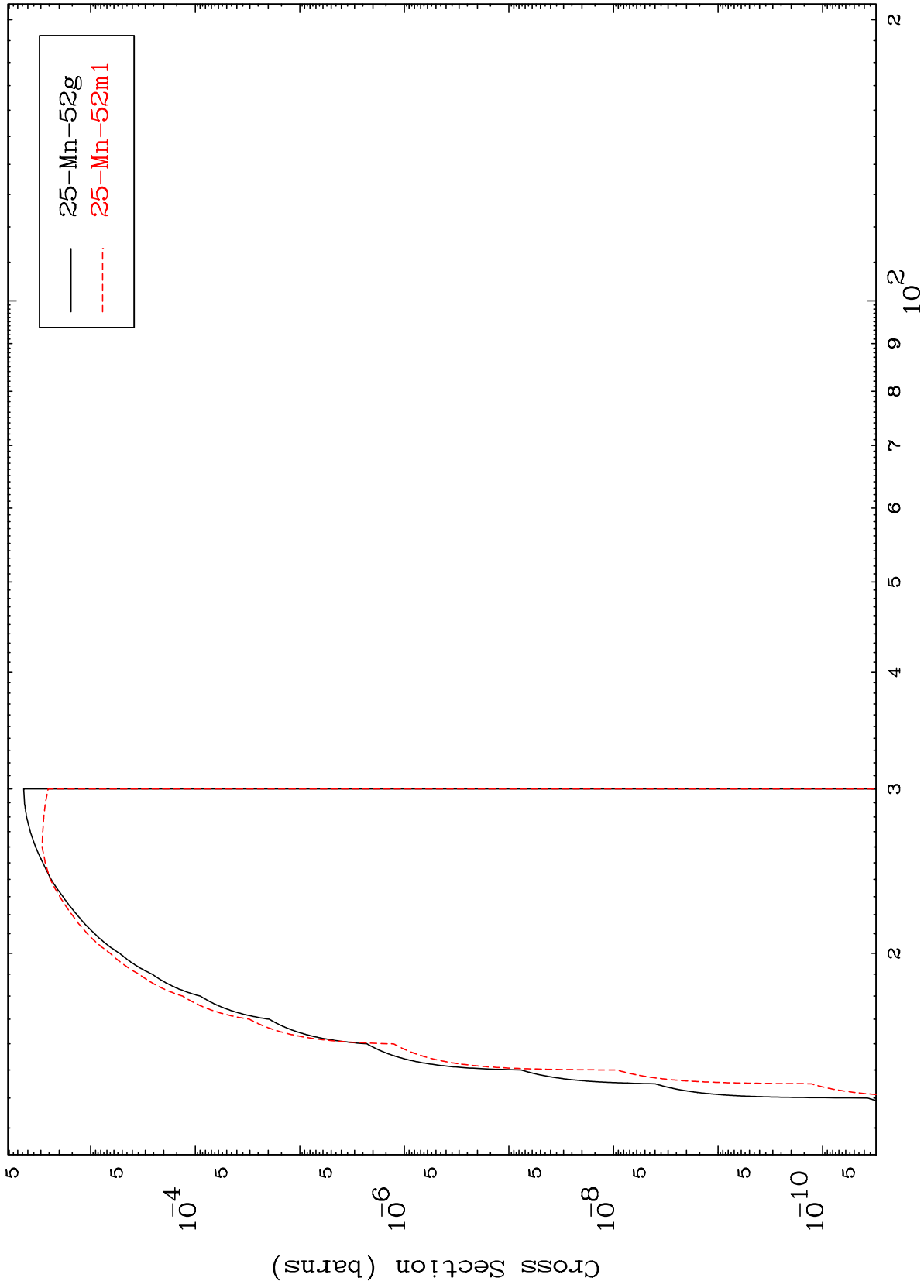
Incident Energy (MeV)

²⁶Fe-54

MAT 2625

²⁶Fe-54

(n, t)
Radionuclide Production Cross Section



111

Incident Energy (MeV)

²⁶Fe-54