

Program EVALPLOT
(Version 2017-1)

by

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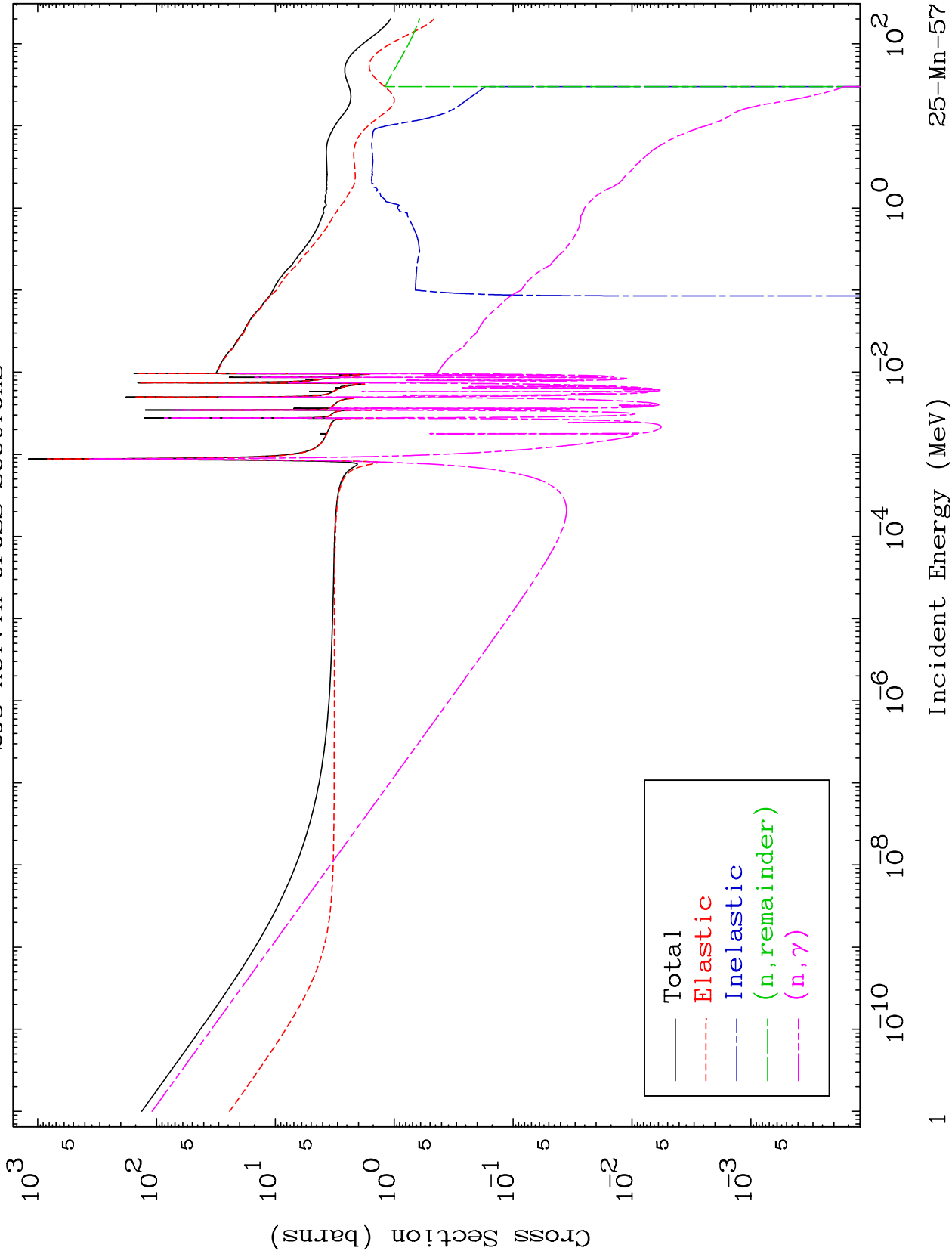
Press Mouse Button to Start

MAT 2531

Major

293 Kelvin Cross Sections

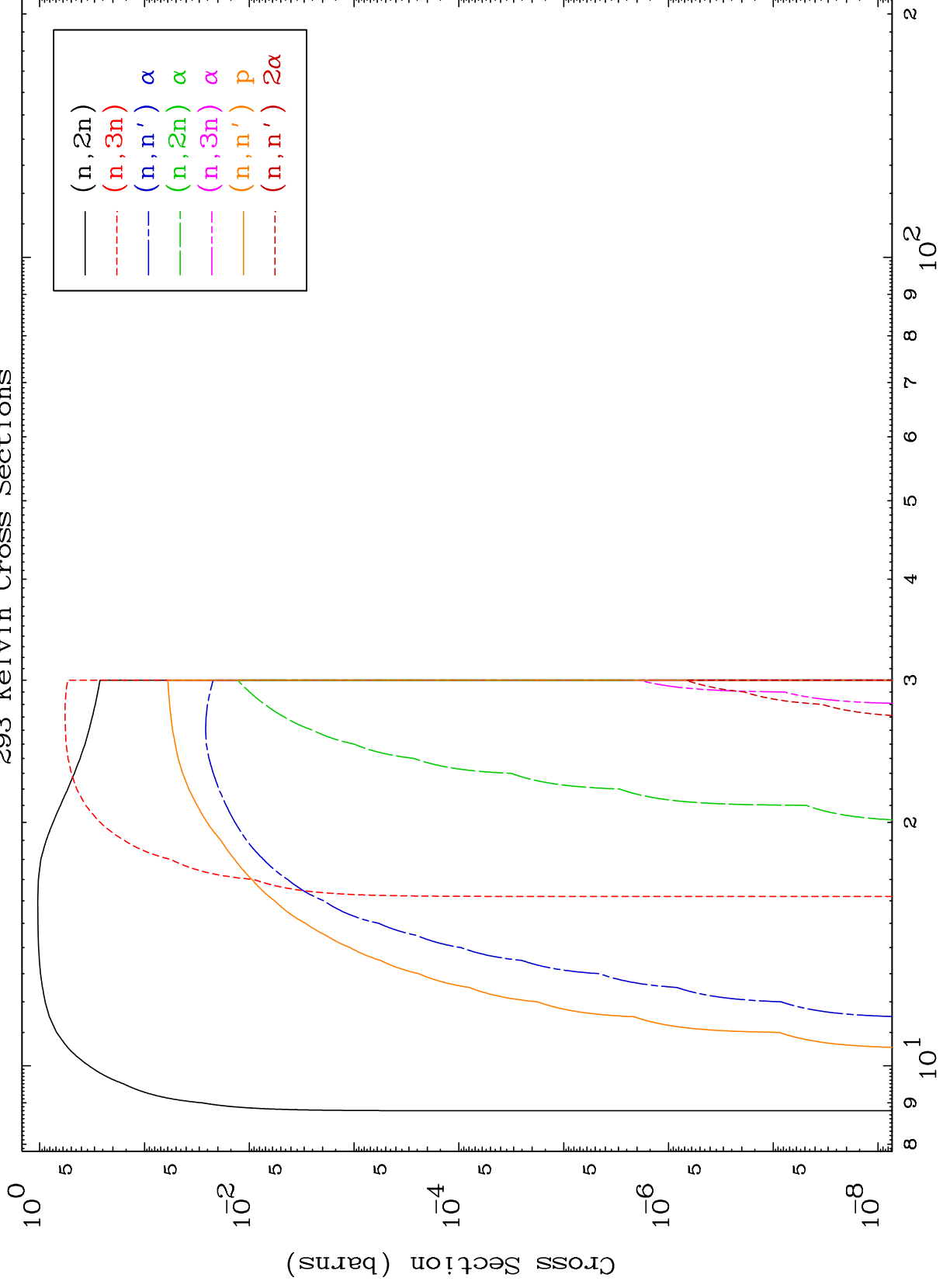
25-Mn-57



MAT 2531

Neutron Production
293 Kelvin Cross Sections

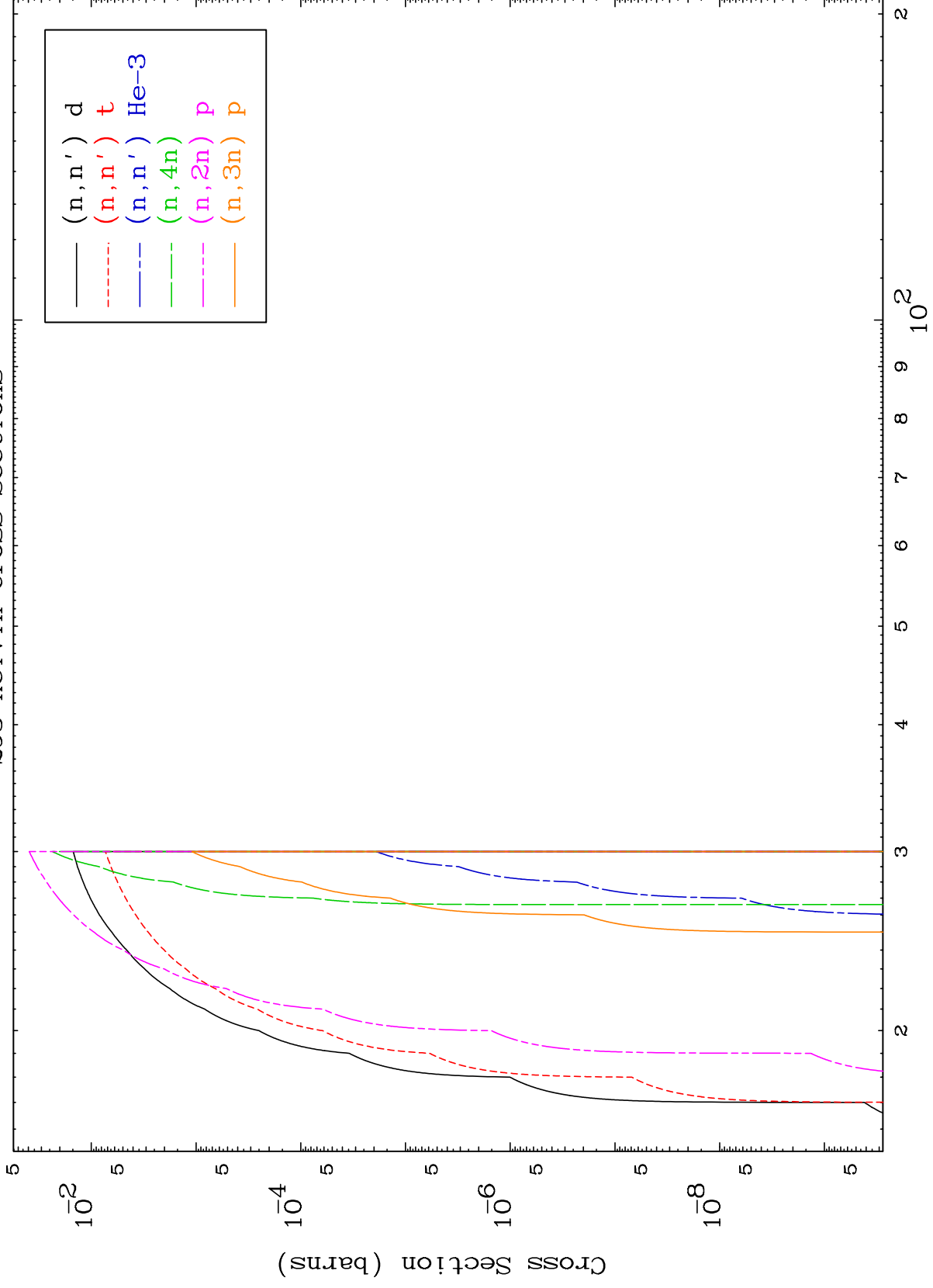
25-Mn-57

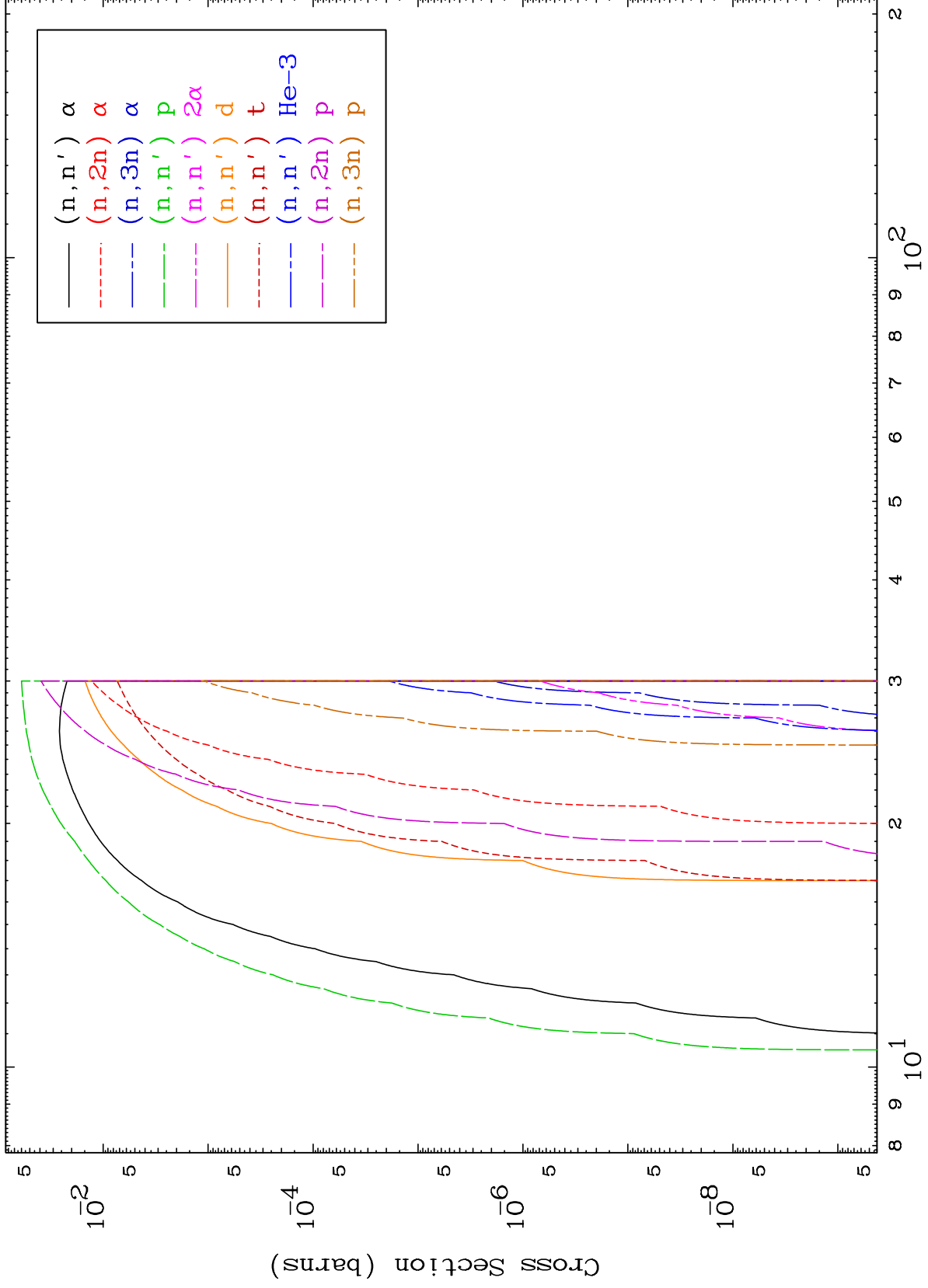


2

Incident Energy (MeV)

25-Mn-57

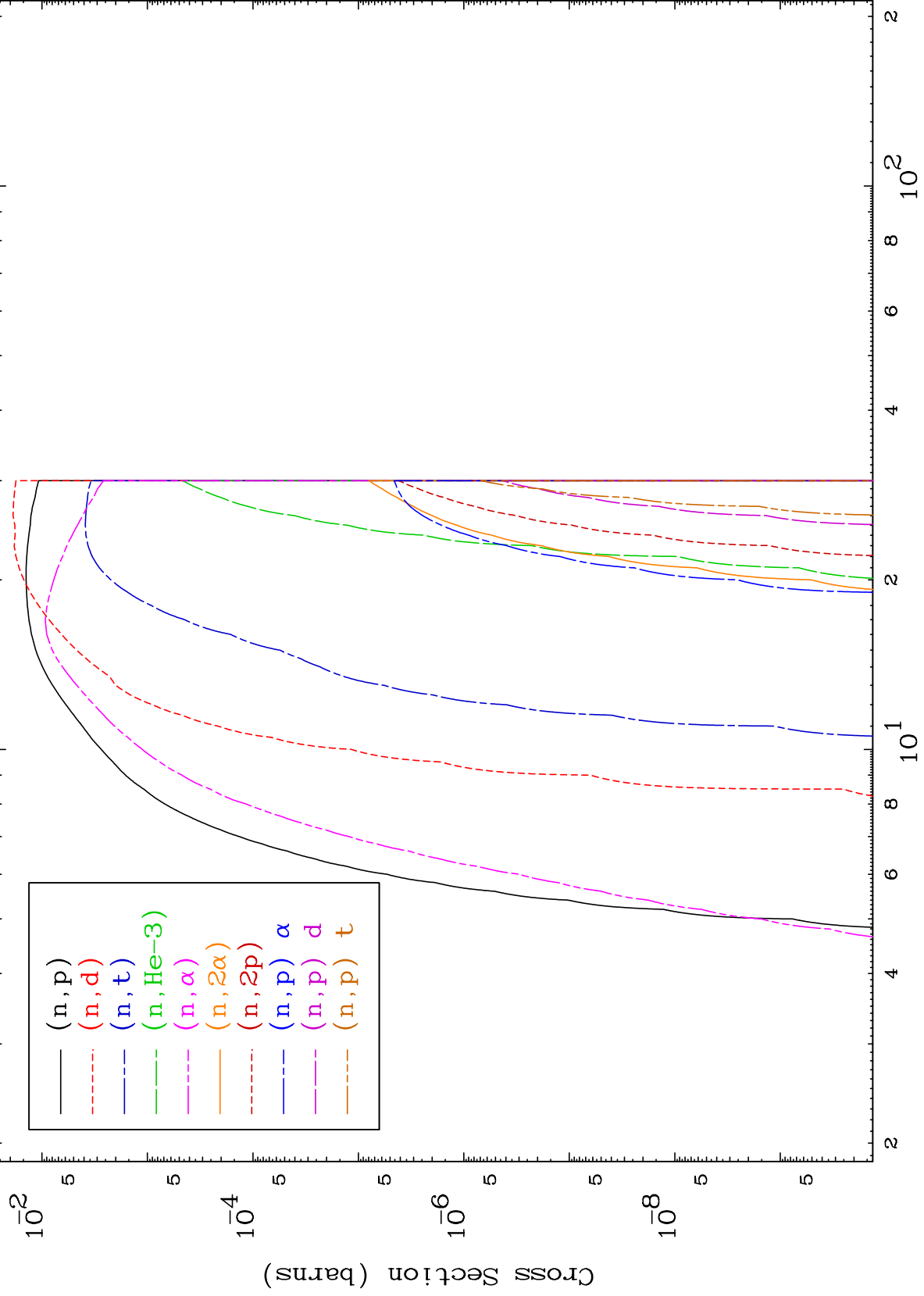




MAT 2531

Charged Particle
293 Kelvin Cross Sections

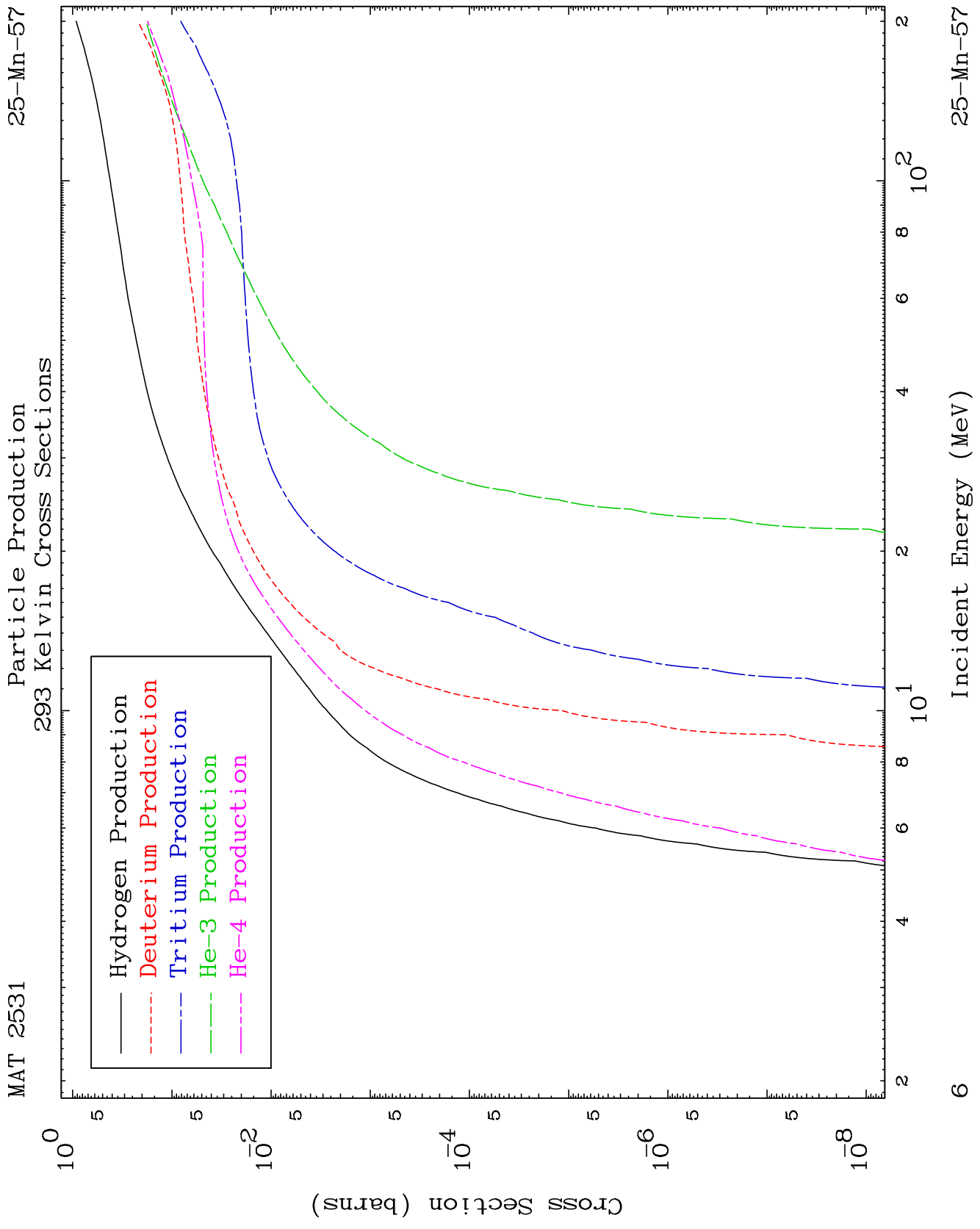
25-Mn-57



5

Incident Energy (MeV)

25-Mn-57

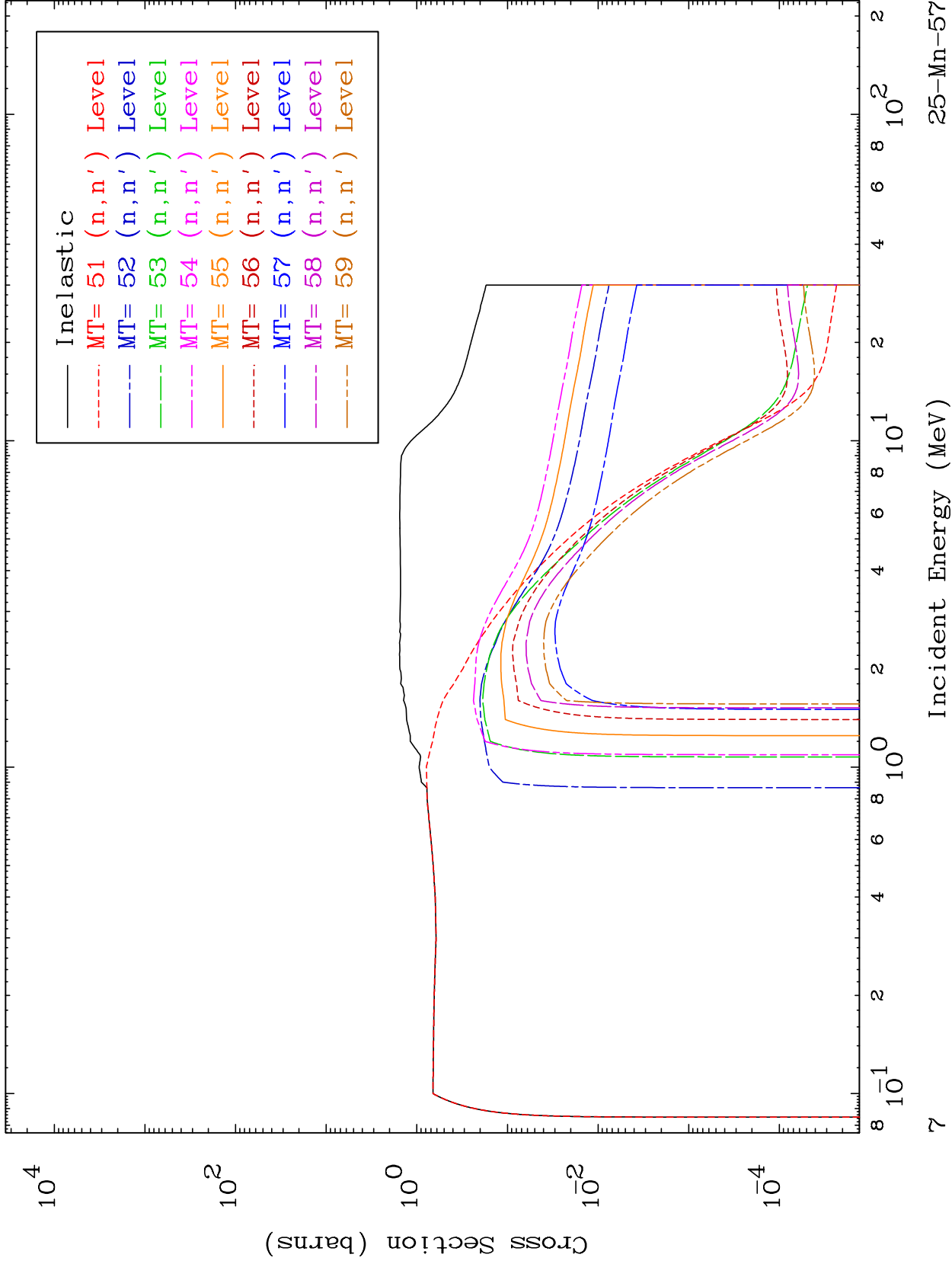


MAT 2531

(n,n') Level

293 Kelvin Cross Sections

25-Mn-57

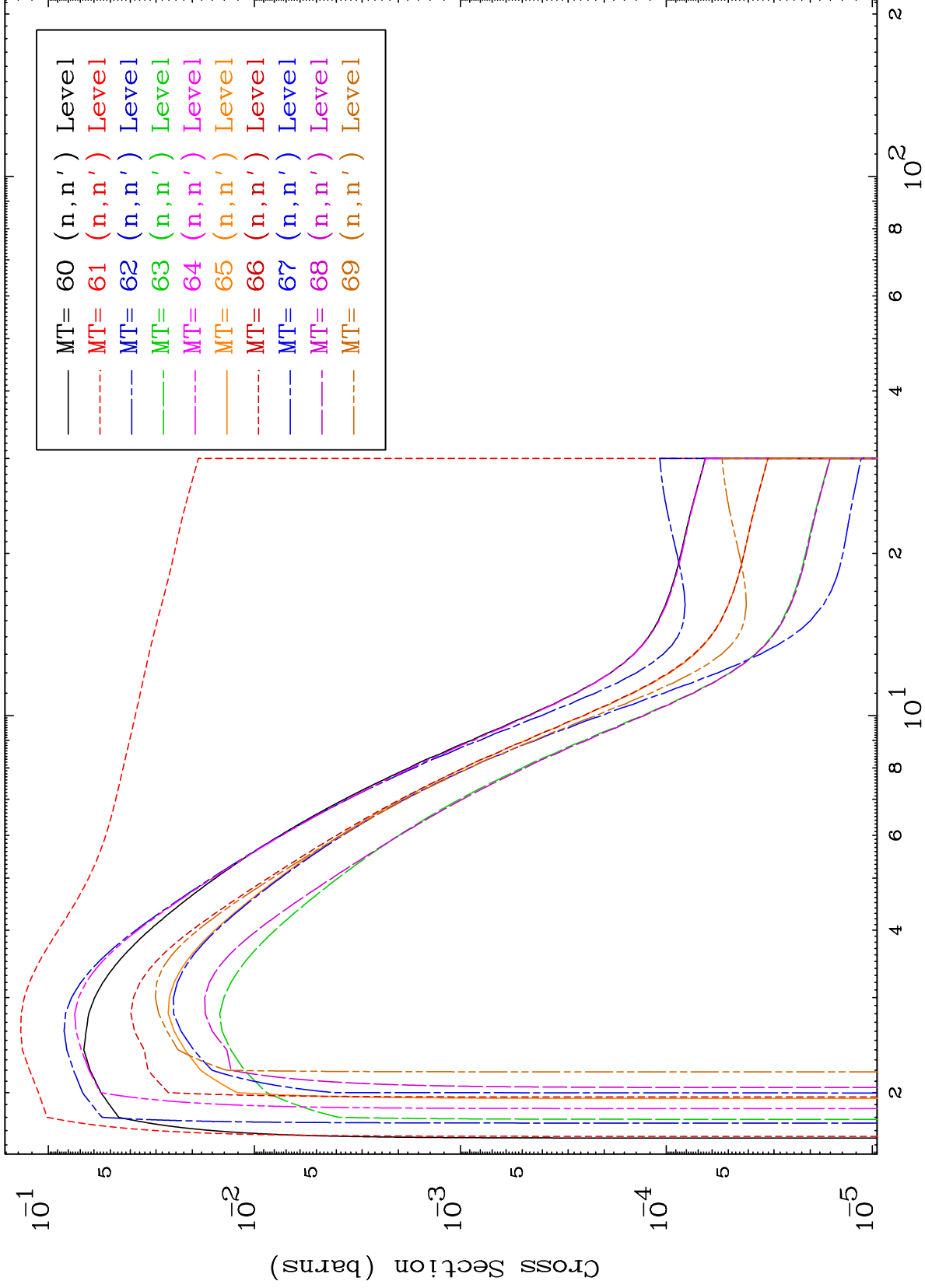


MAT 2531

(n,n') Level

25-Mn-57

293 Kelvin Cross Sections

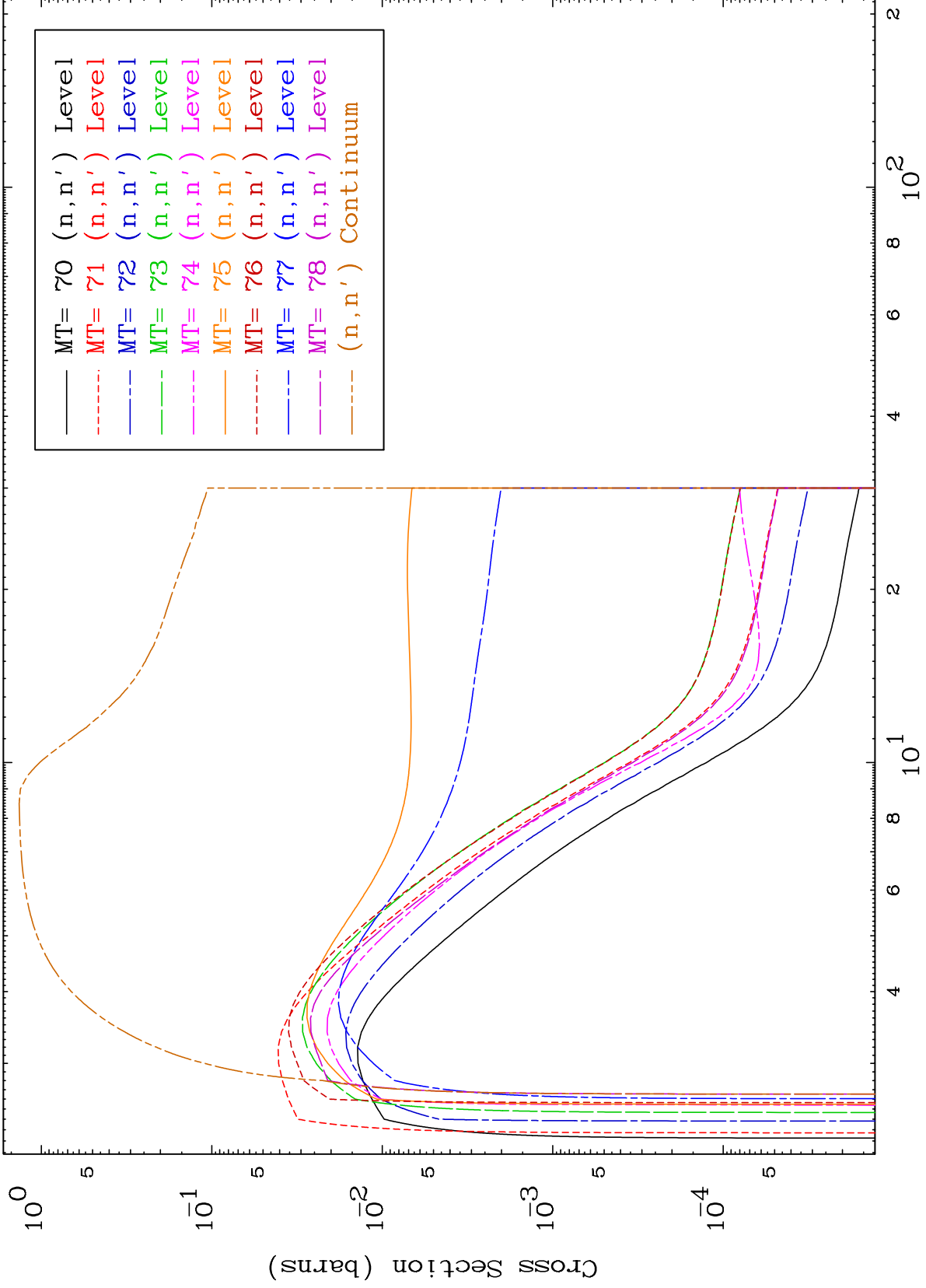


8

Incident Energy (MeV)

25-Mn-57

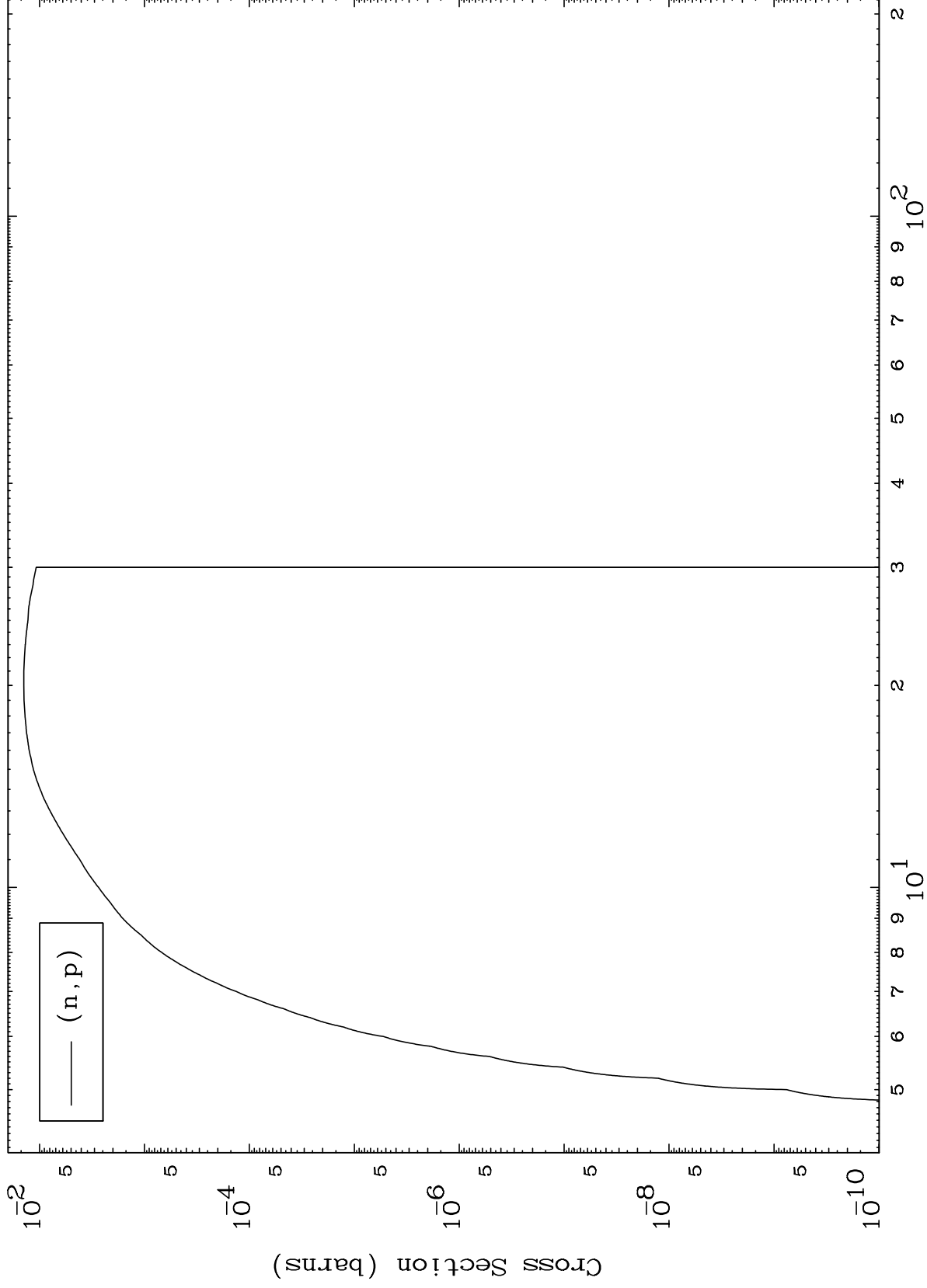
293 Kelvin Cross Sections



MAT 2531

(n,p) Levels
293 Kelvin Cross Sections

25-Mn-57



10

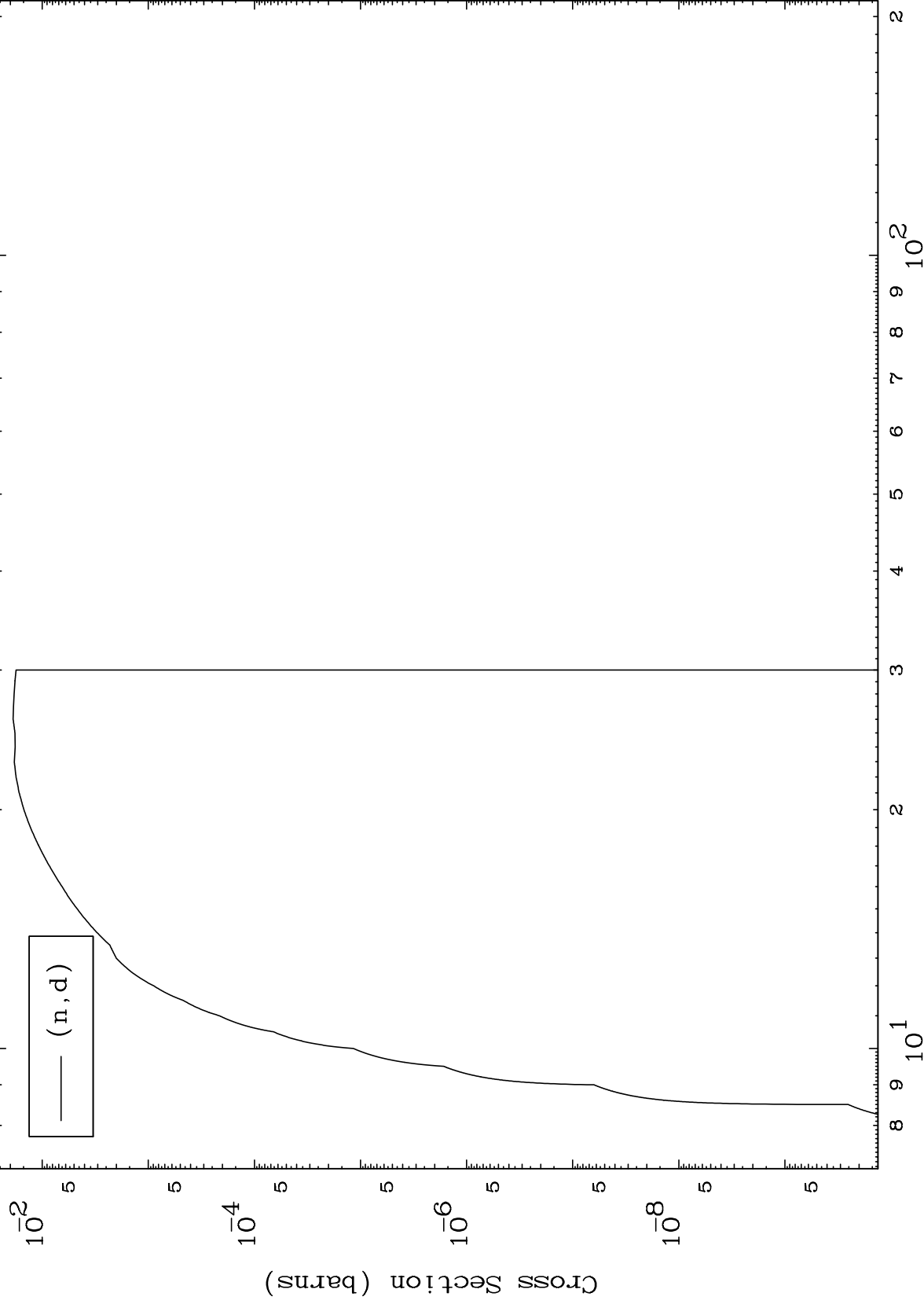
Incident Energy (MeV)

25-Mn-57

MAT 2531

(n,d) Levels
293 Kelvin Cross Sections

25-Mn-57



11

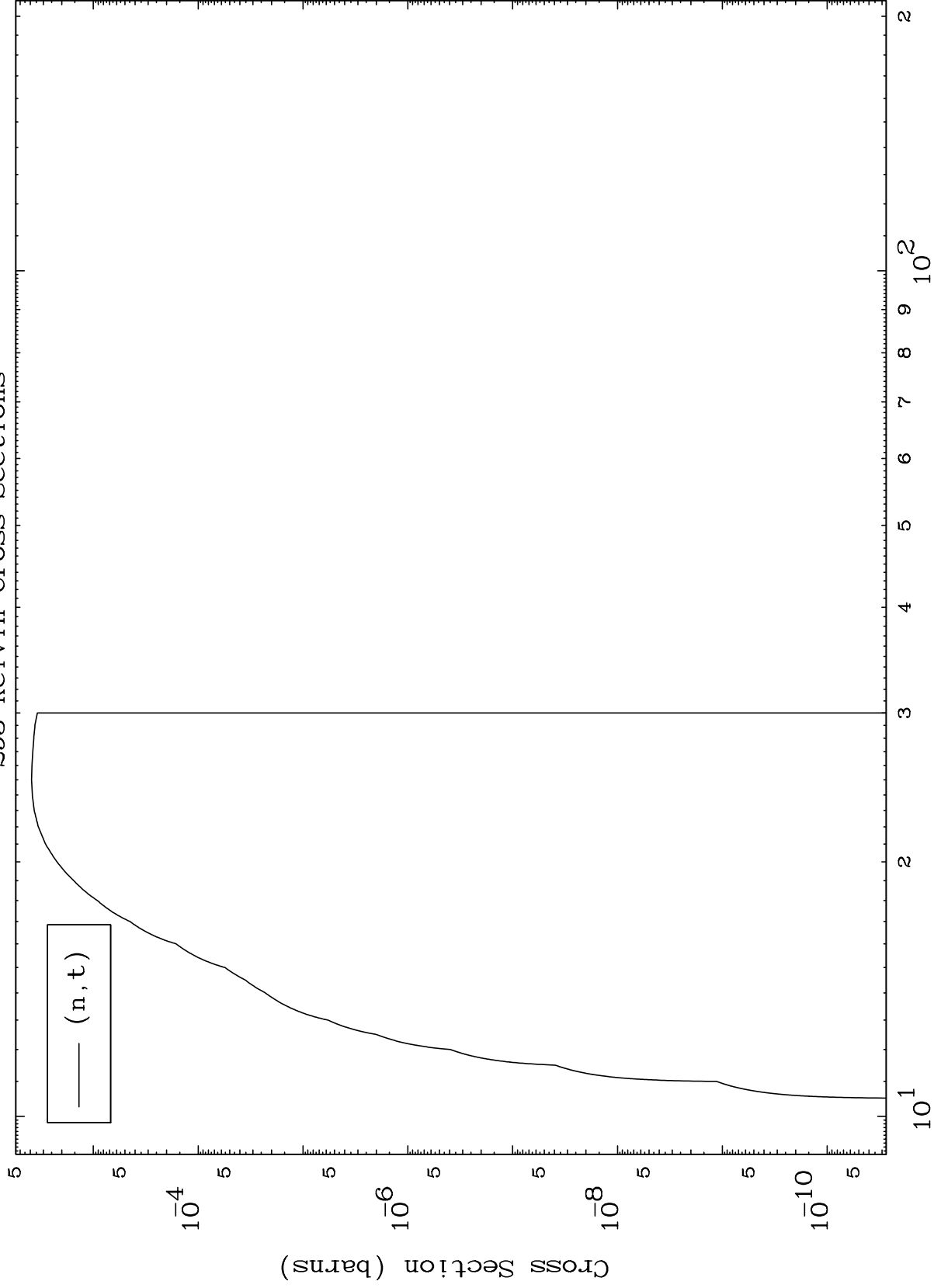
Incident Energy (MeV)

25-Mn-57

MAT 2531

(n,t) Levels
293 Kelvin Cross Sections

25-Mn-57



12

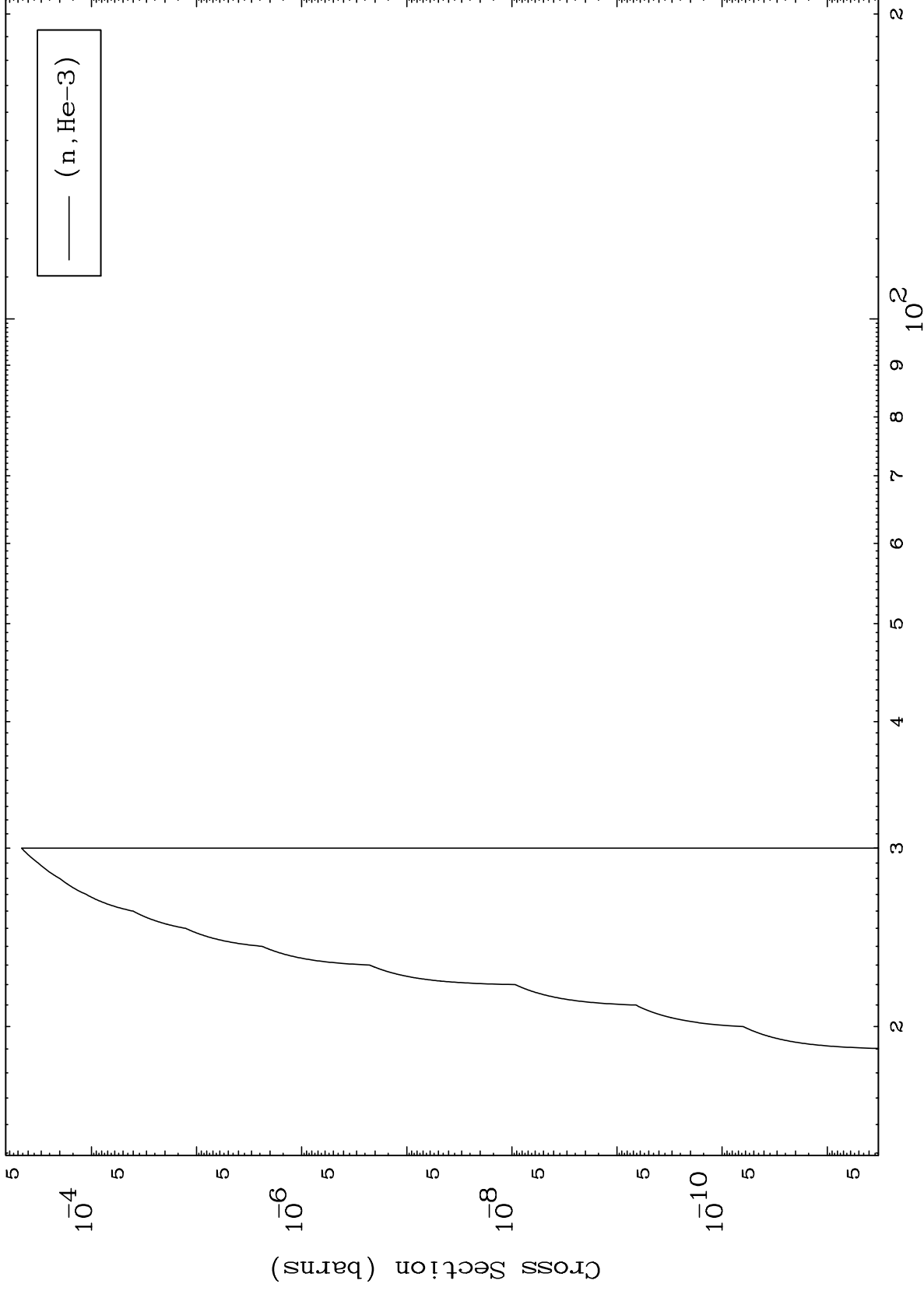
Incident Energy (MeV)

25-Mn-57

MAT 2531

(n,He3) Levels
293 Kelvin Cross Sections

25-Mn-57



13

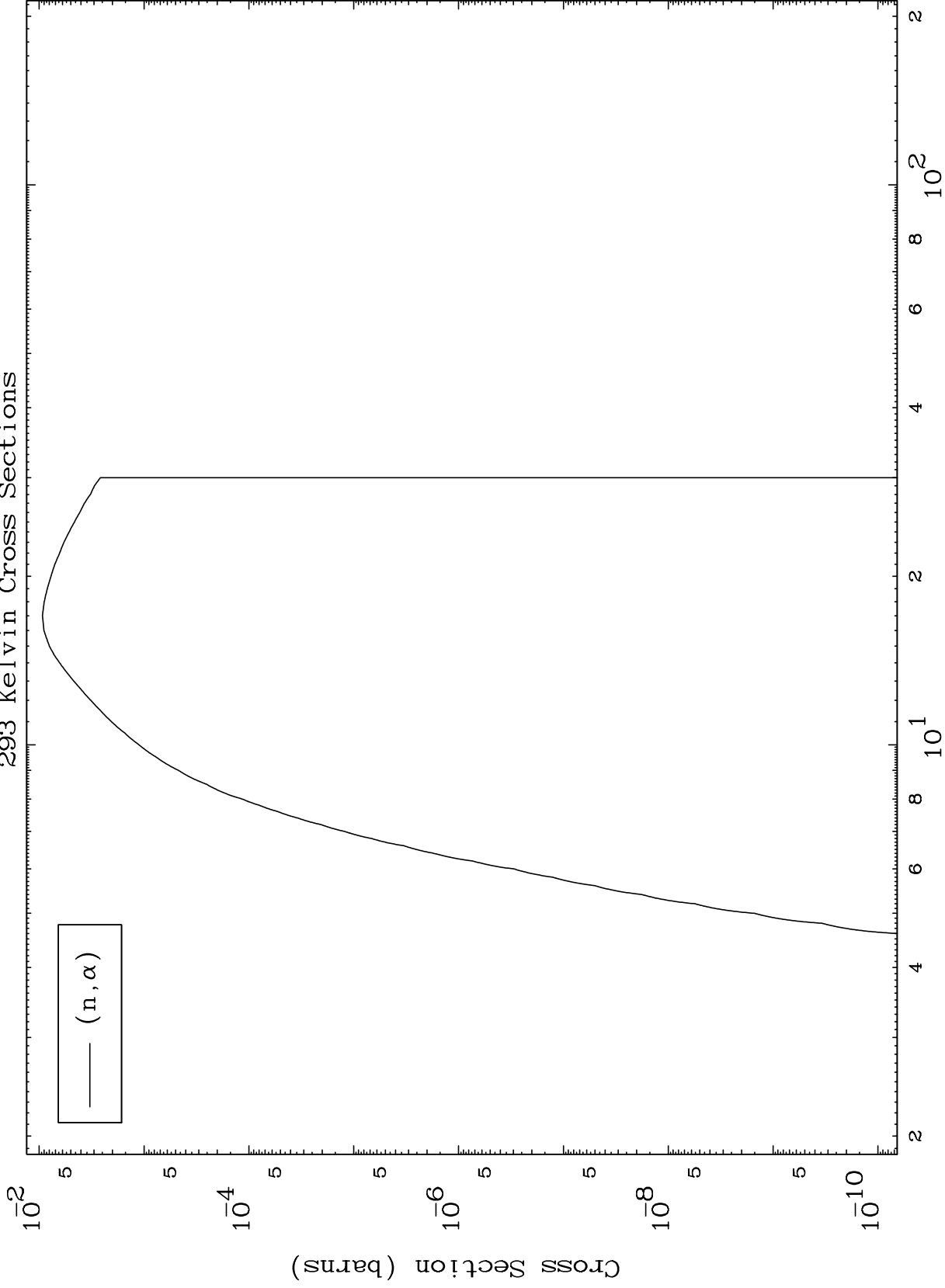
Incident Energy (MeV)

25-Mn-57

MAT 2531

(n, α) Levels
293 Kelvin Cross Sections

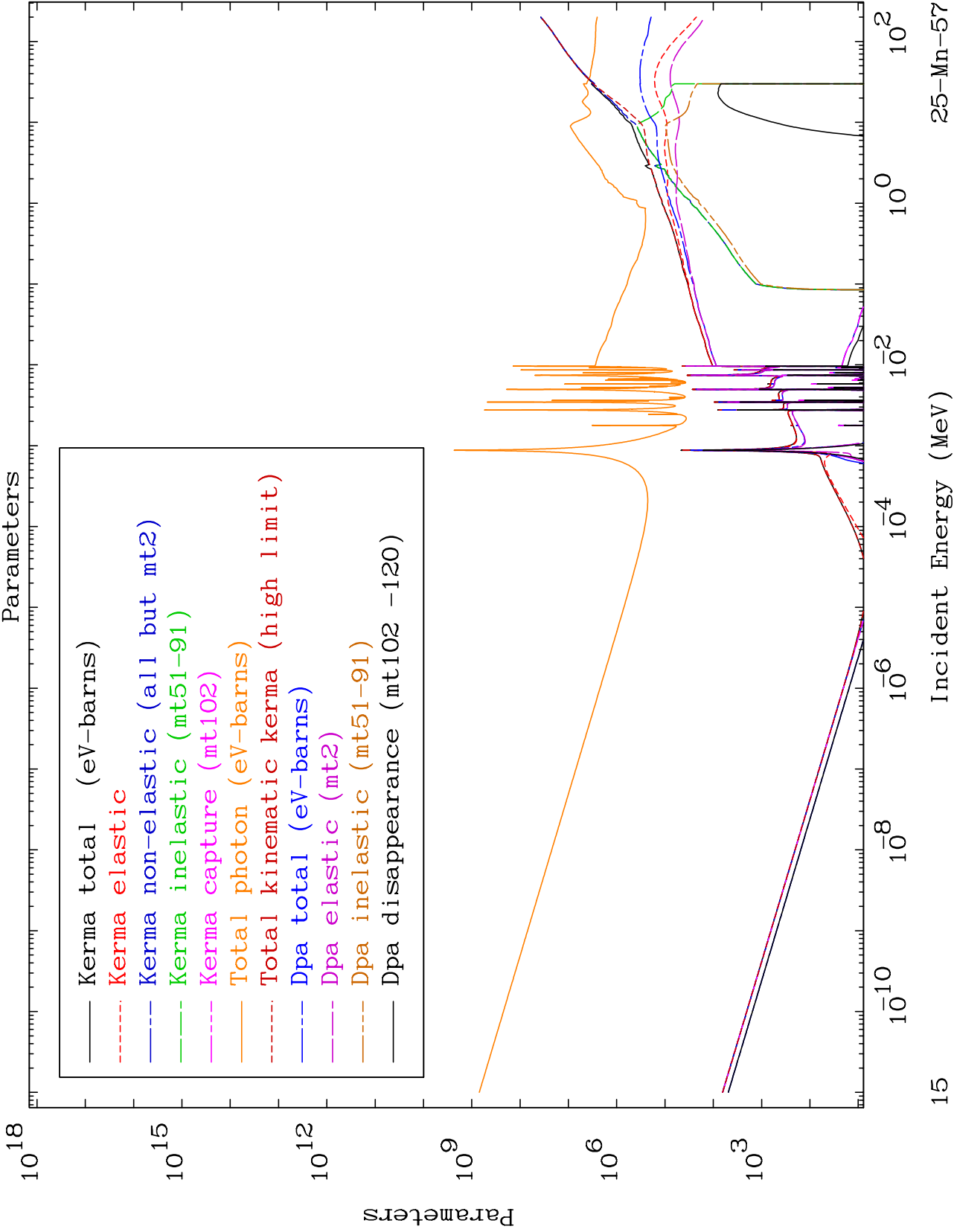
25-Mn-57

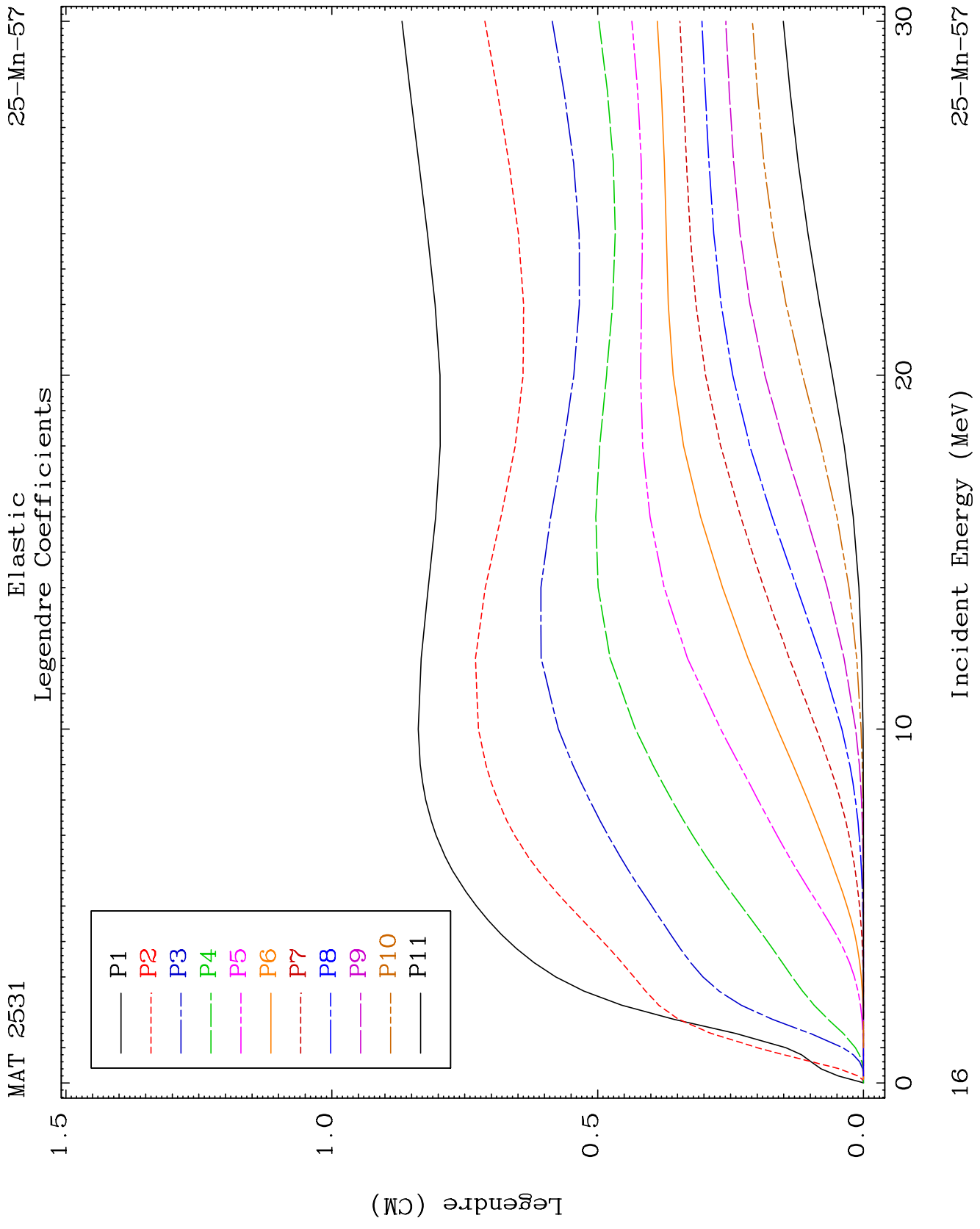


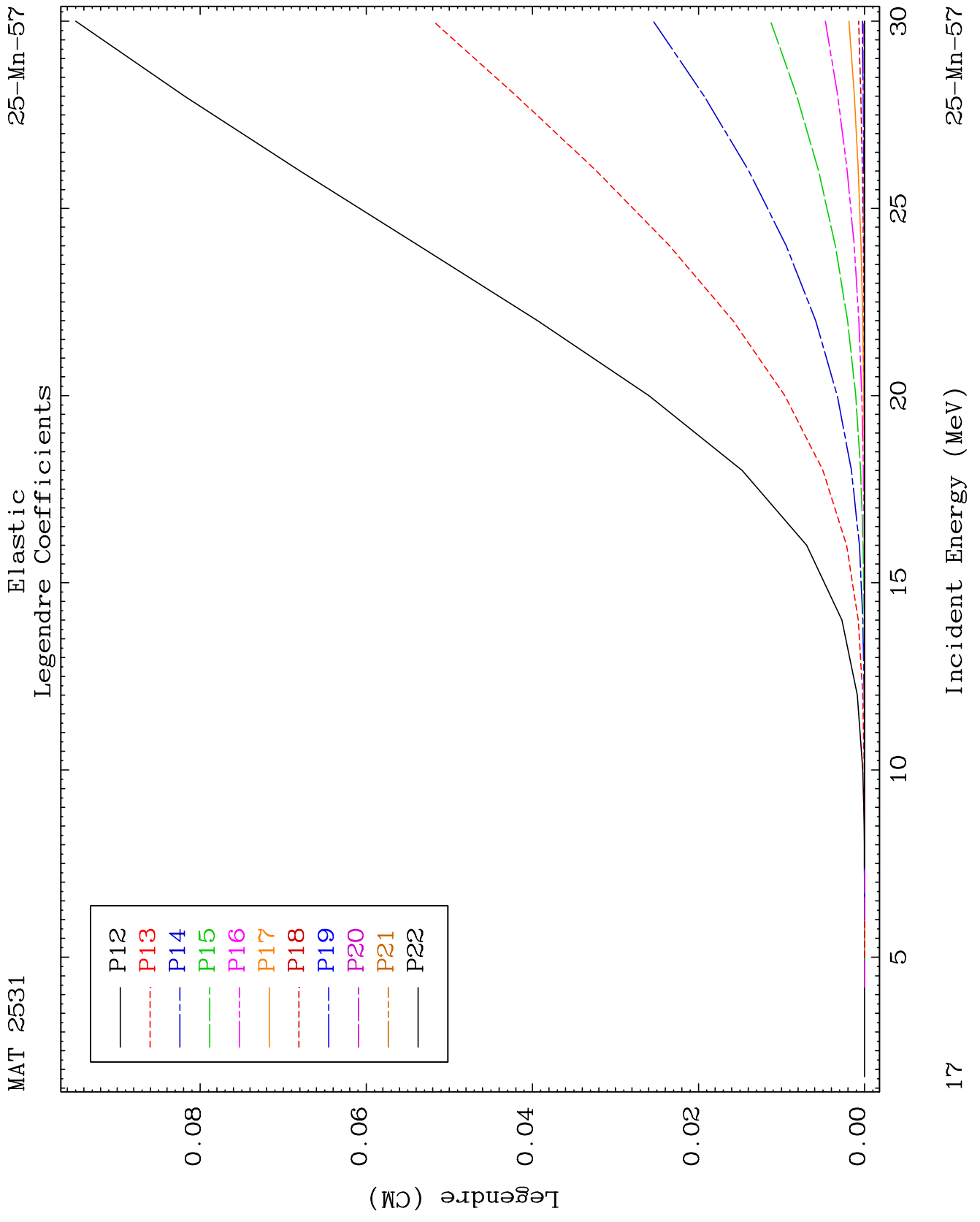
14

Incident Energy (MeV)

25-Mn-57



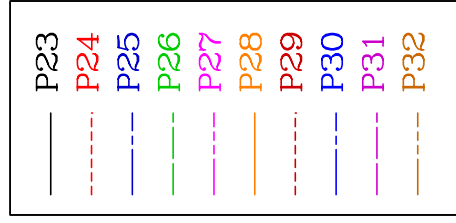




MAT 2531

Elastic Legendre Coefficients

25-Mn-57



$\times 10^{-63}$

Legendre (CM)

1

2

0

15

20

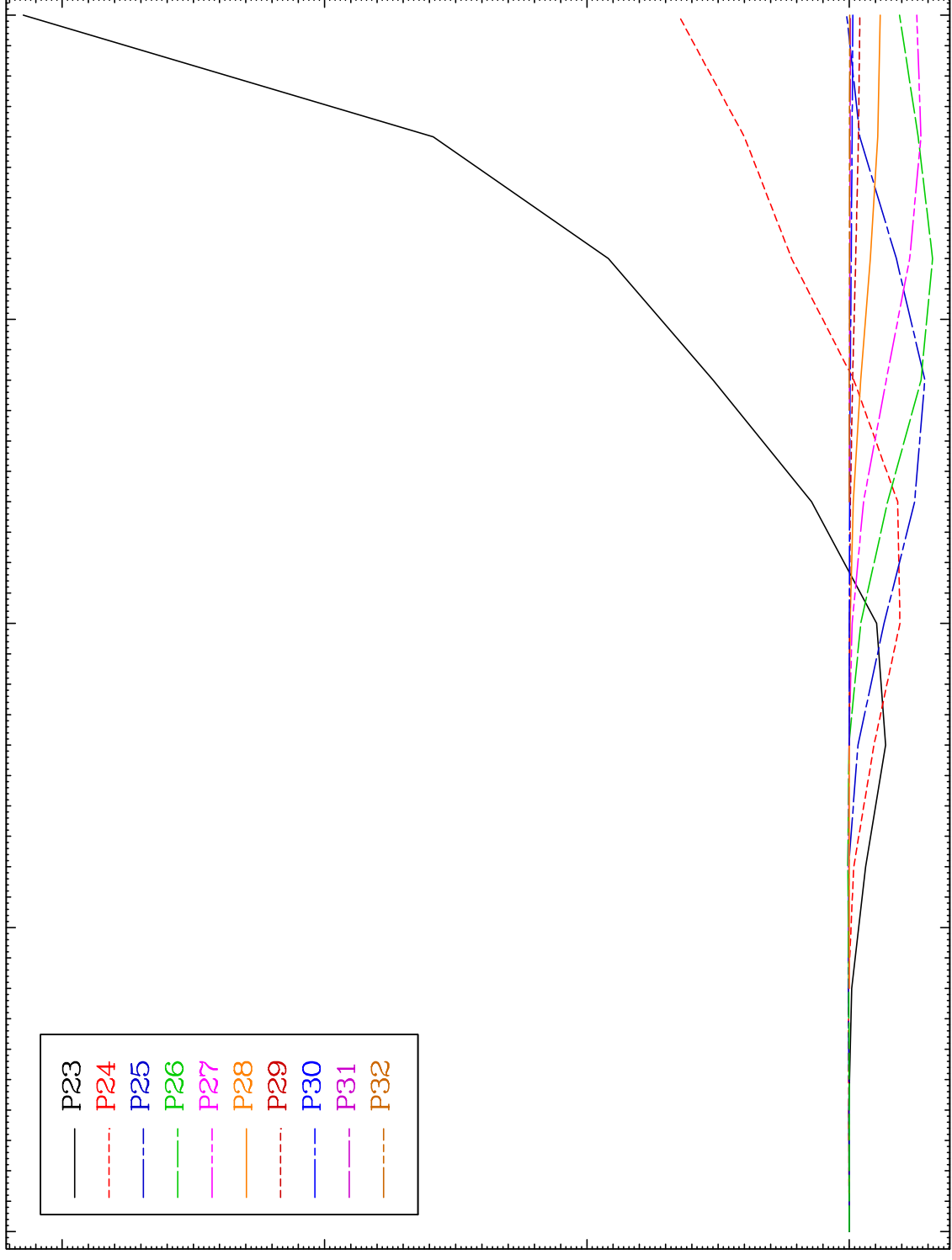
25

30

18

Incident Energy (MeV)

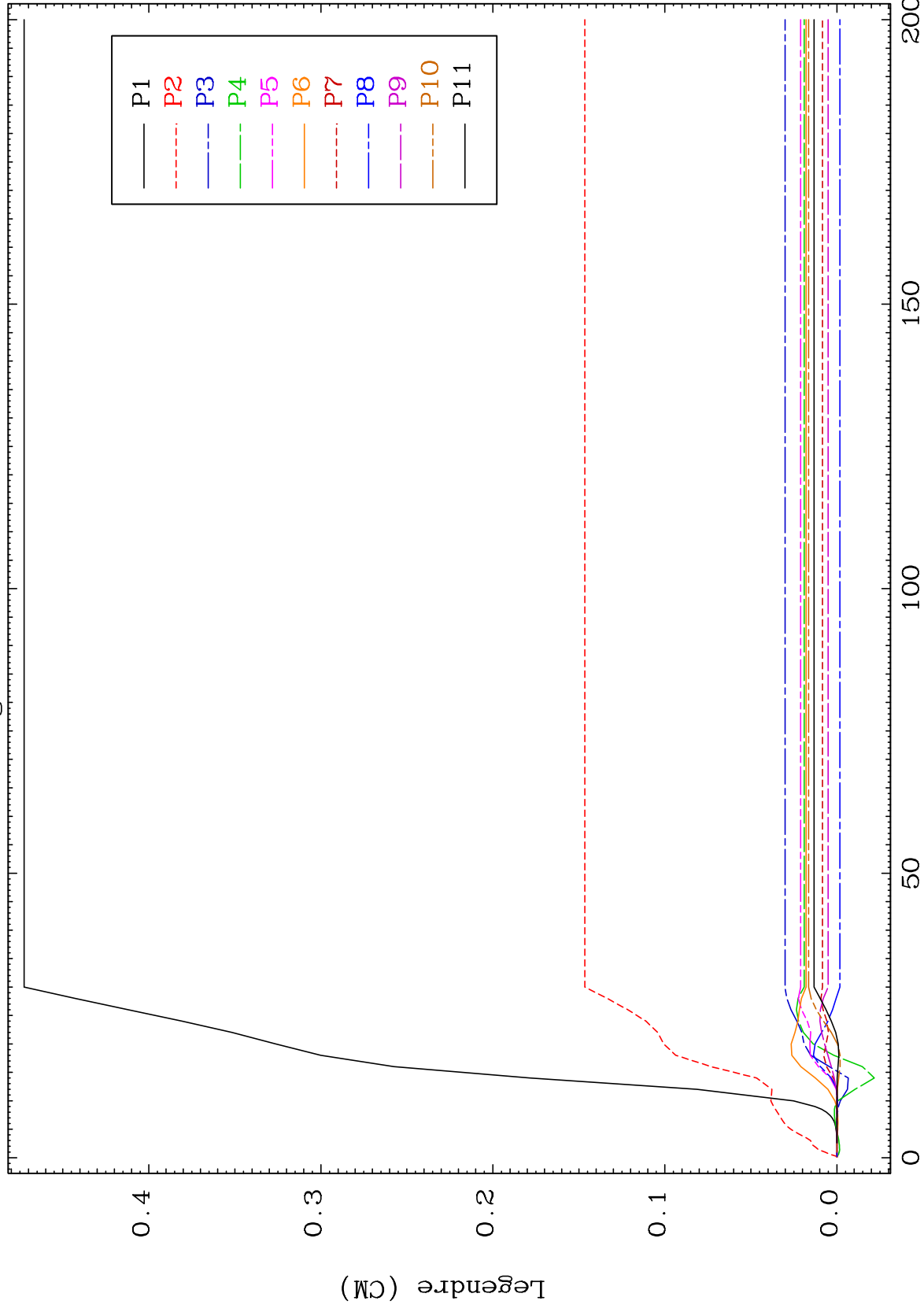
25-Mn-57



MAT 2531

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

25-Mn-57



19

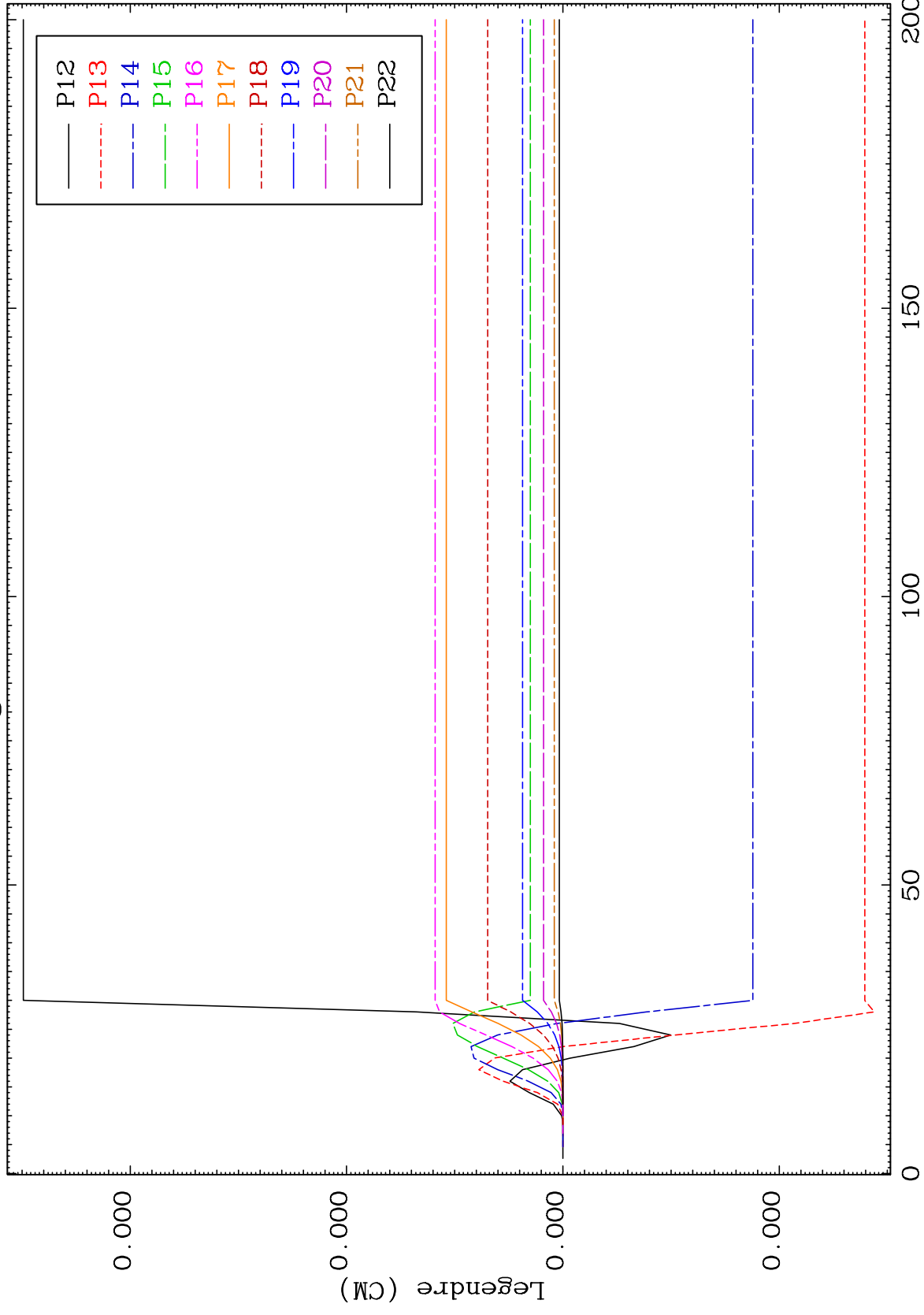
Incident Energy (MeV)

25-Mn-57

MAT 2531

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

25-Mn-57



0

50

100

150

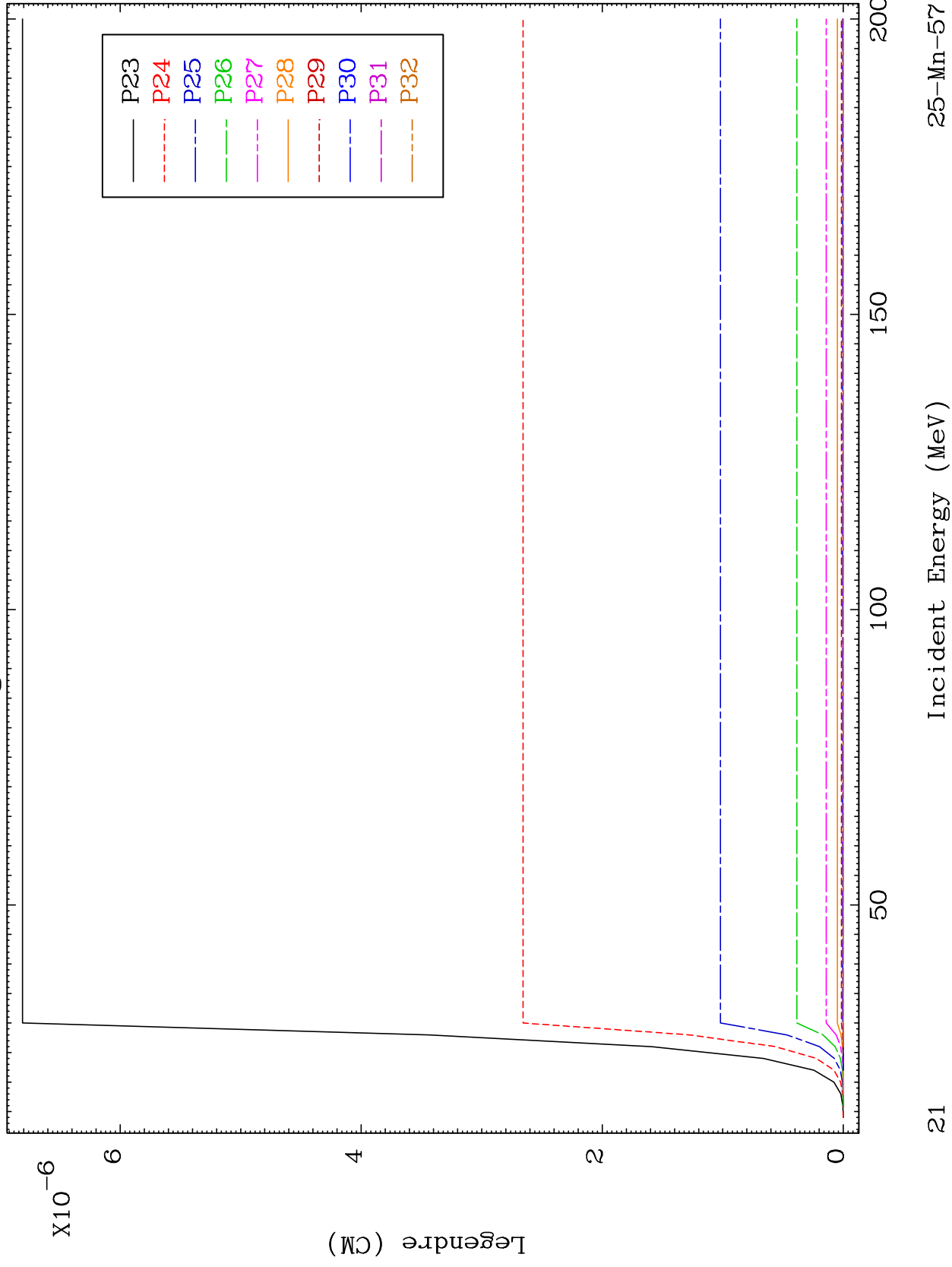
200

25-Mn-57

MAT 2531

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

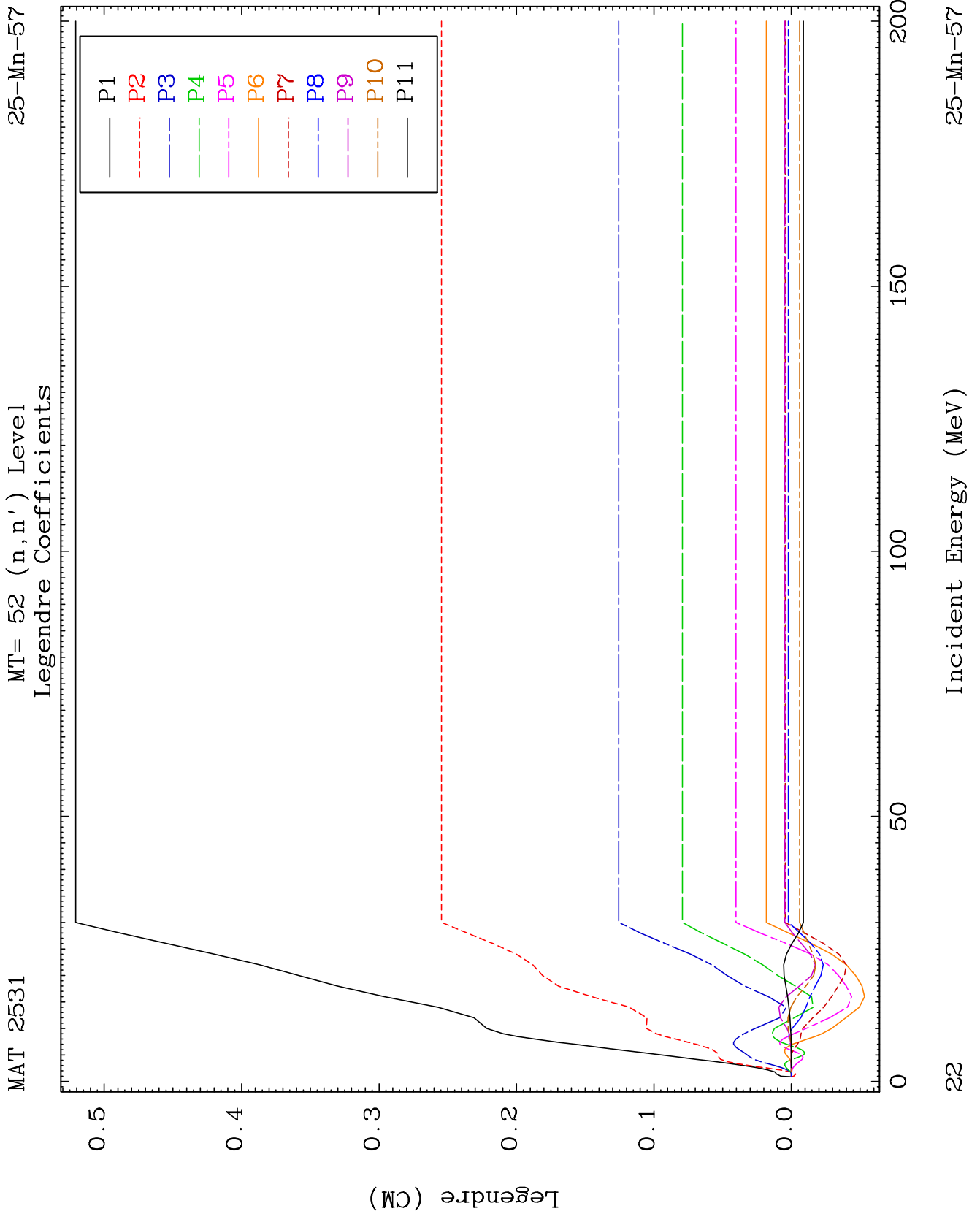
25-Mn-57



21

Incident Energy (MeV)

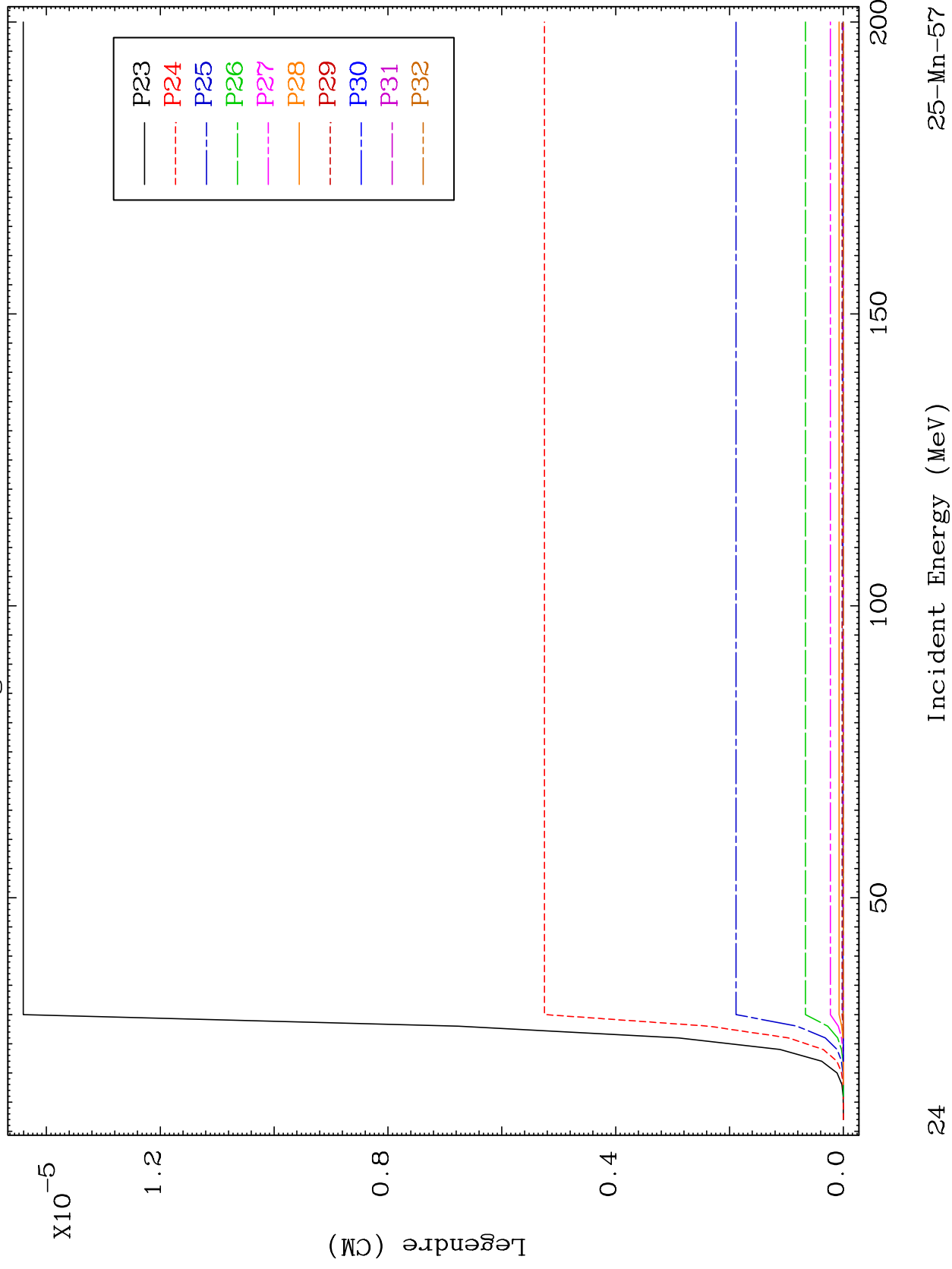
25-Mn-57

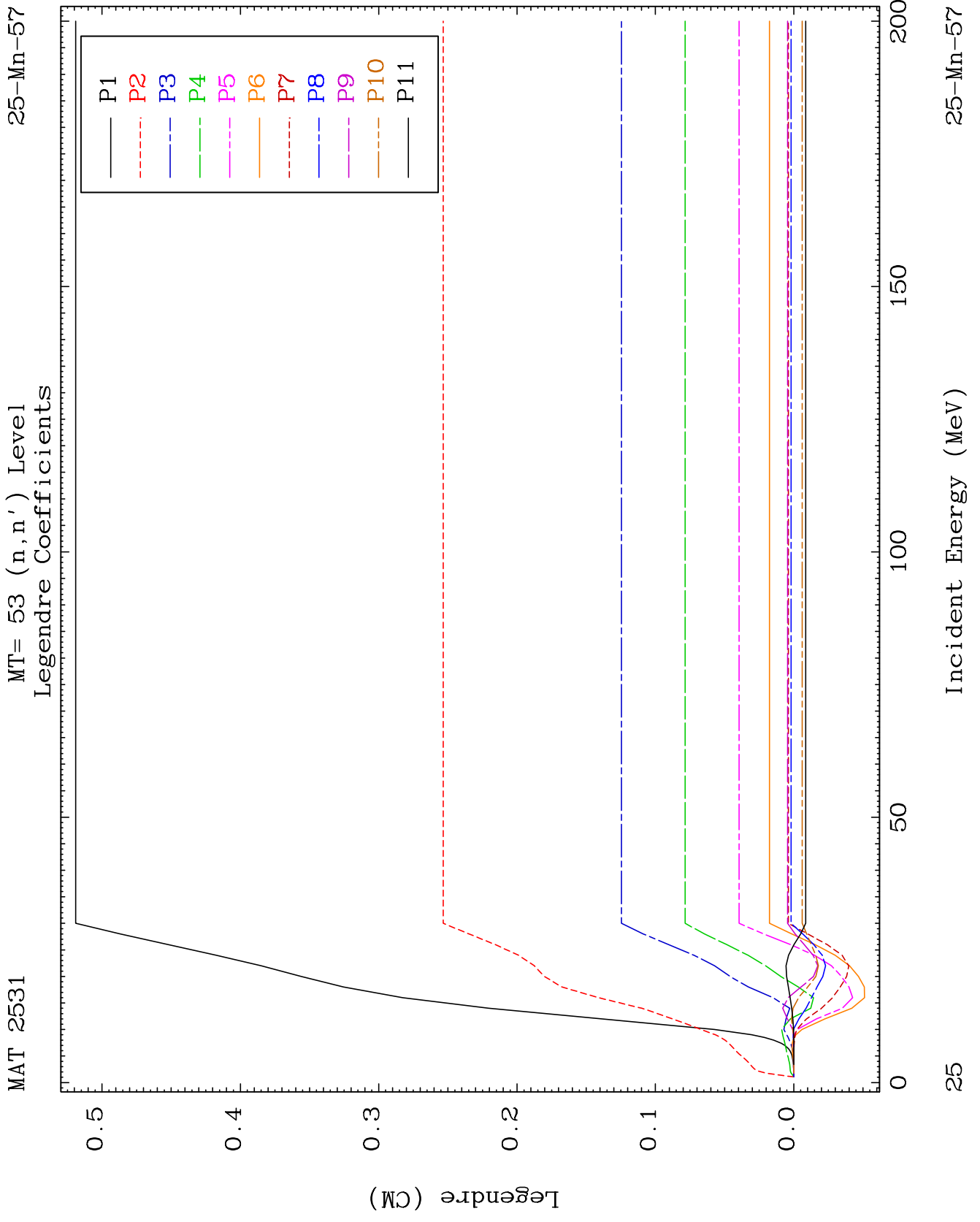


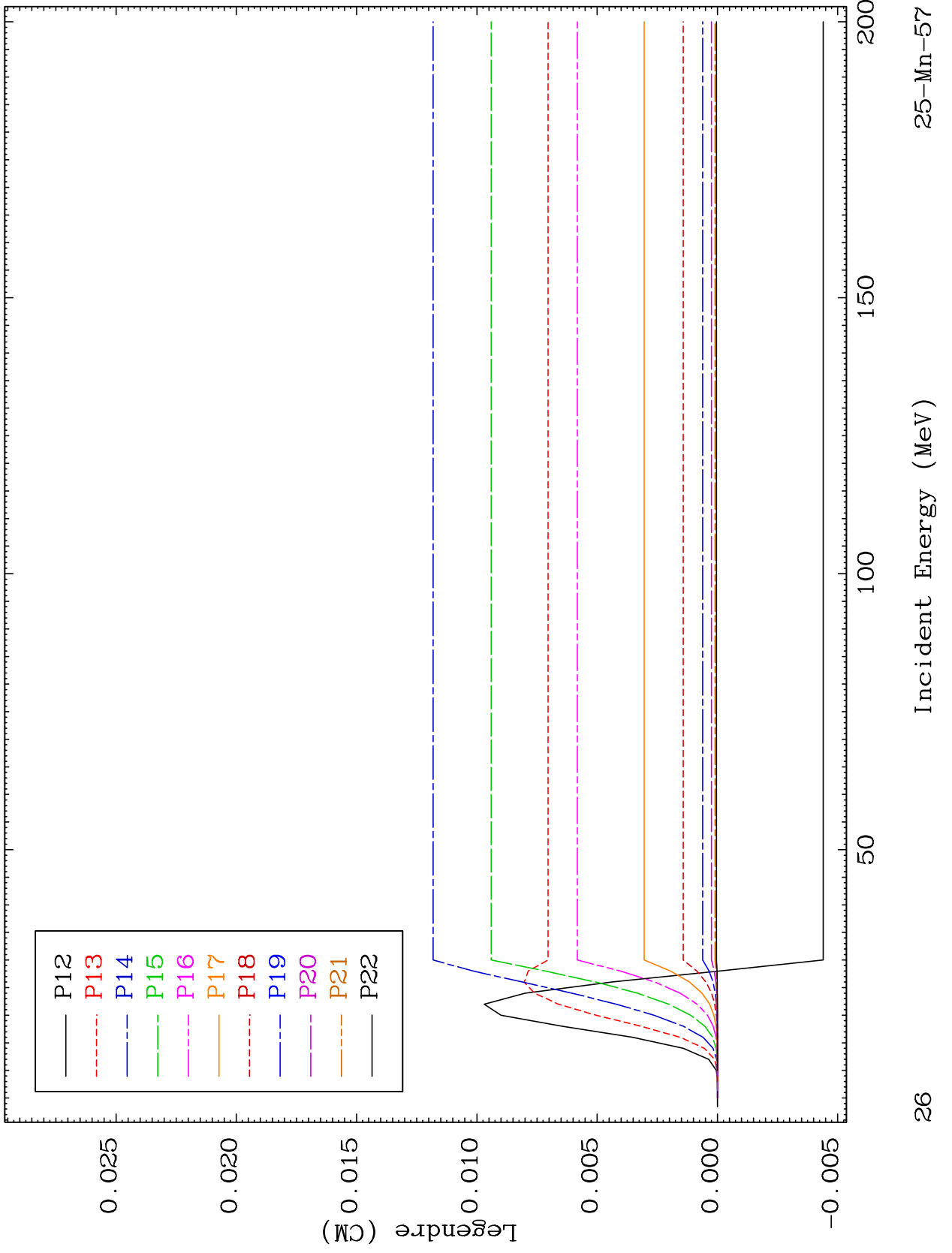
MAT 2531

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

25-Mn-57



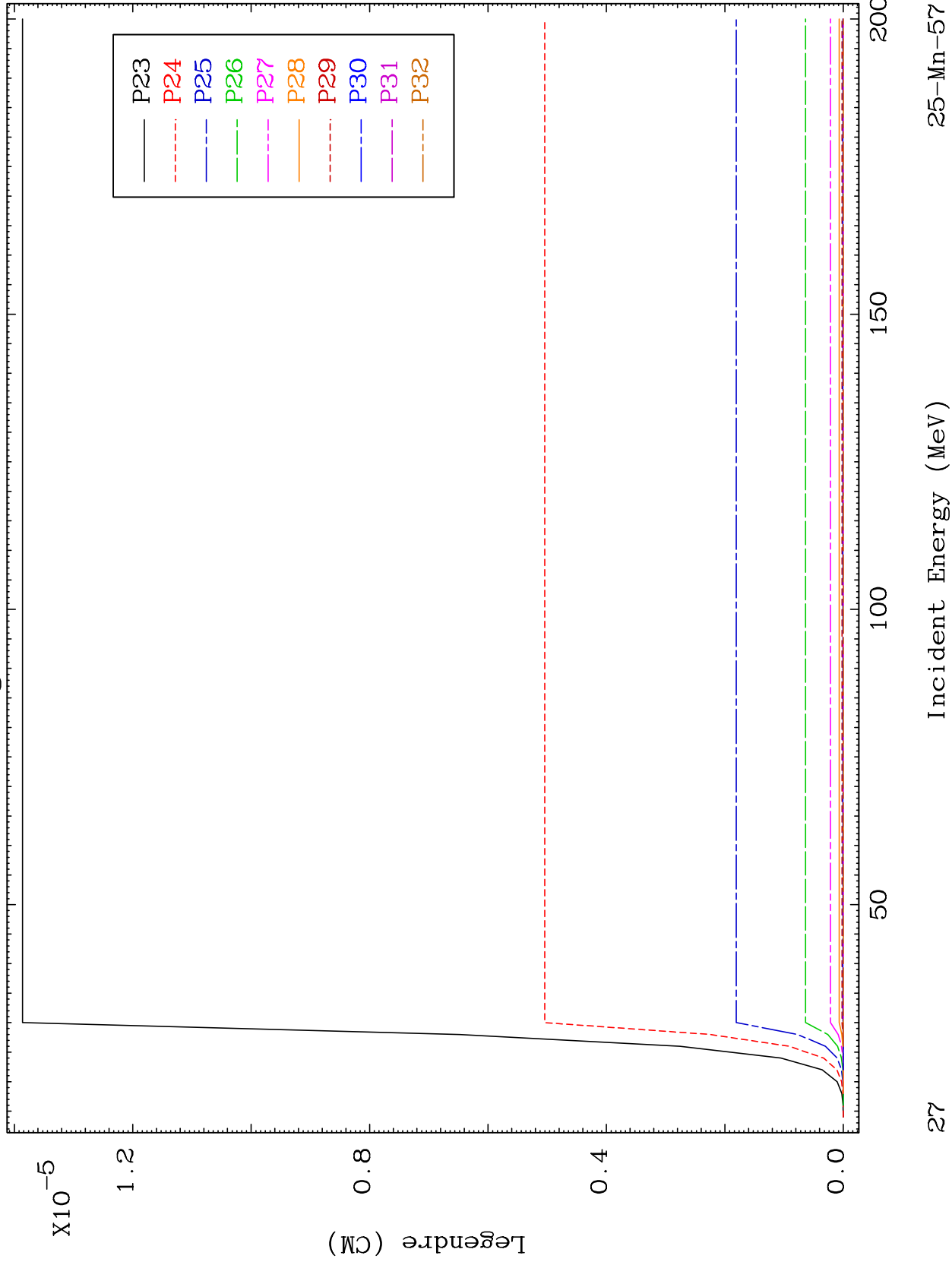




MAT 2531

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

25-Mn-57



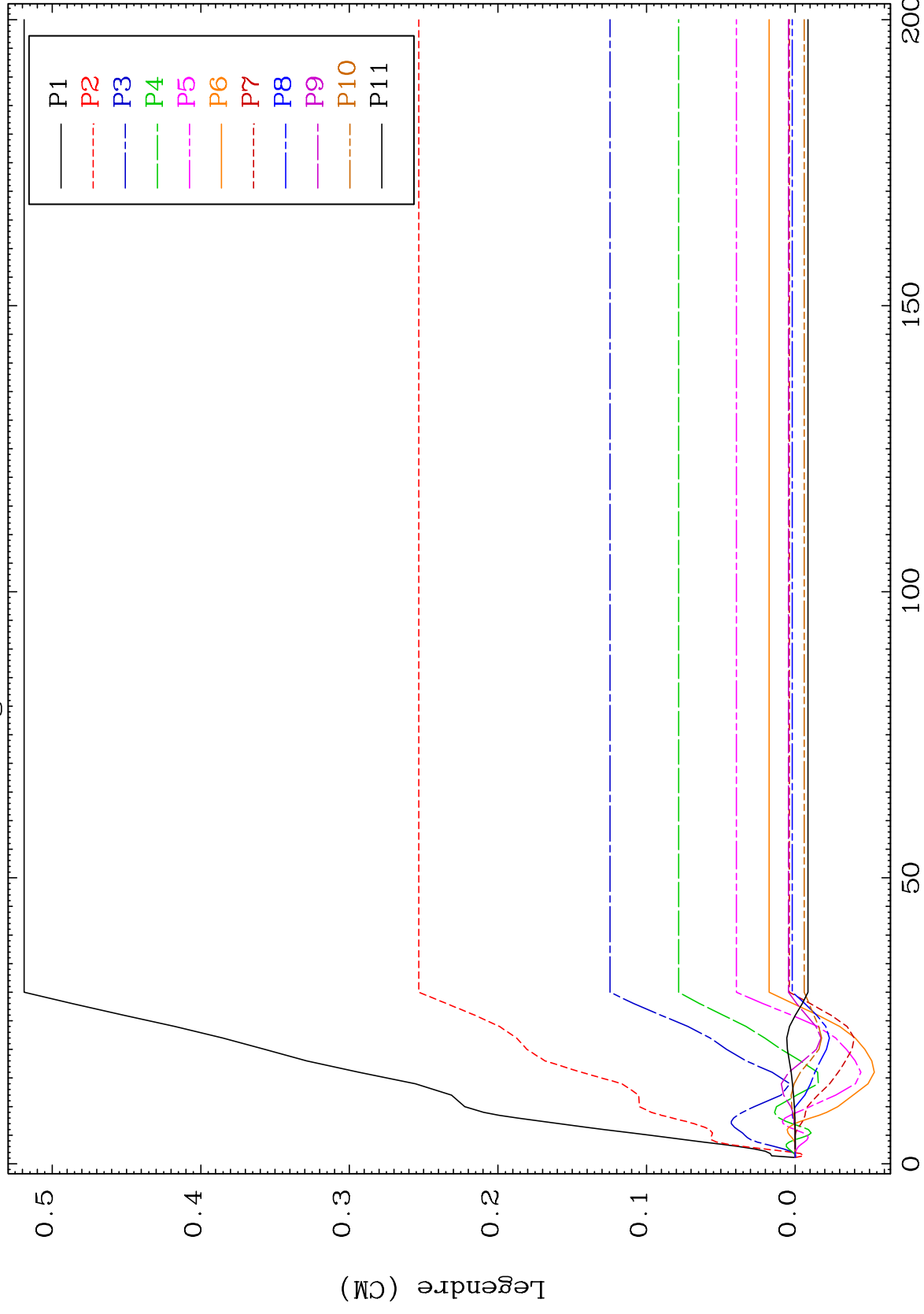
27

25-Mn-57

MAT 2531

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

25-Mn-57



28

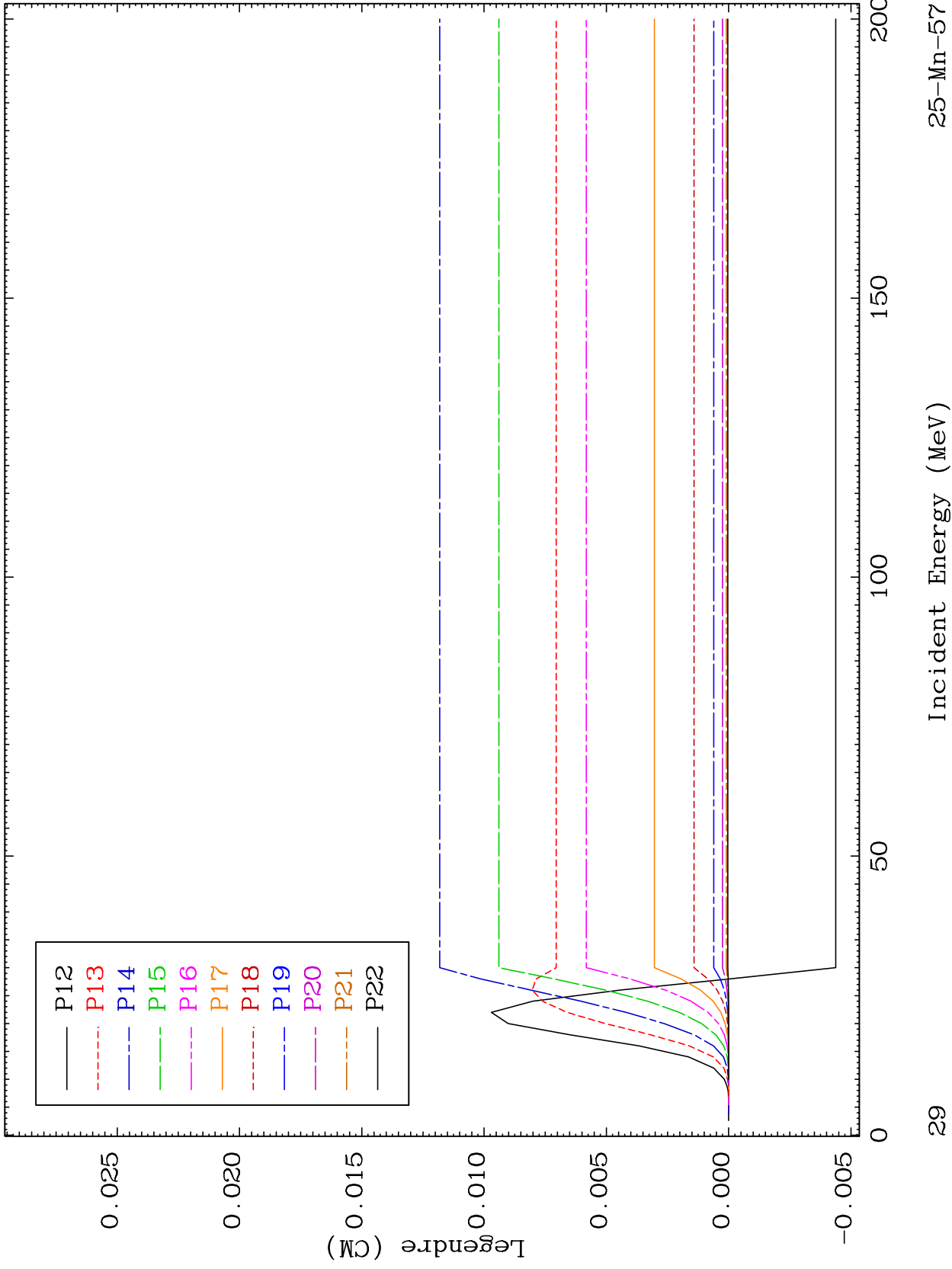
Incident Energy (MeV)

25-Mn-57

MAT 2531

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

25-Mn-57



29

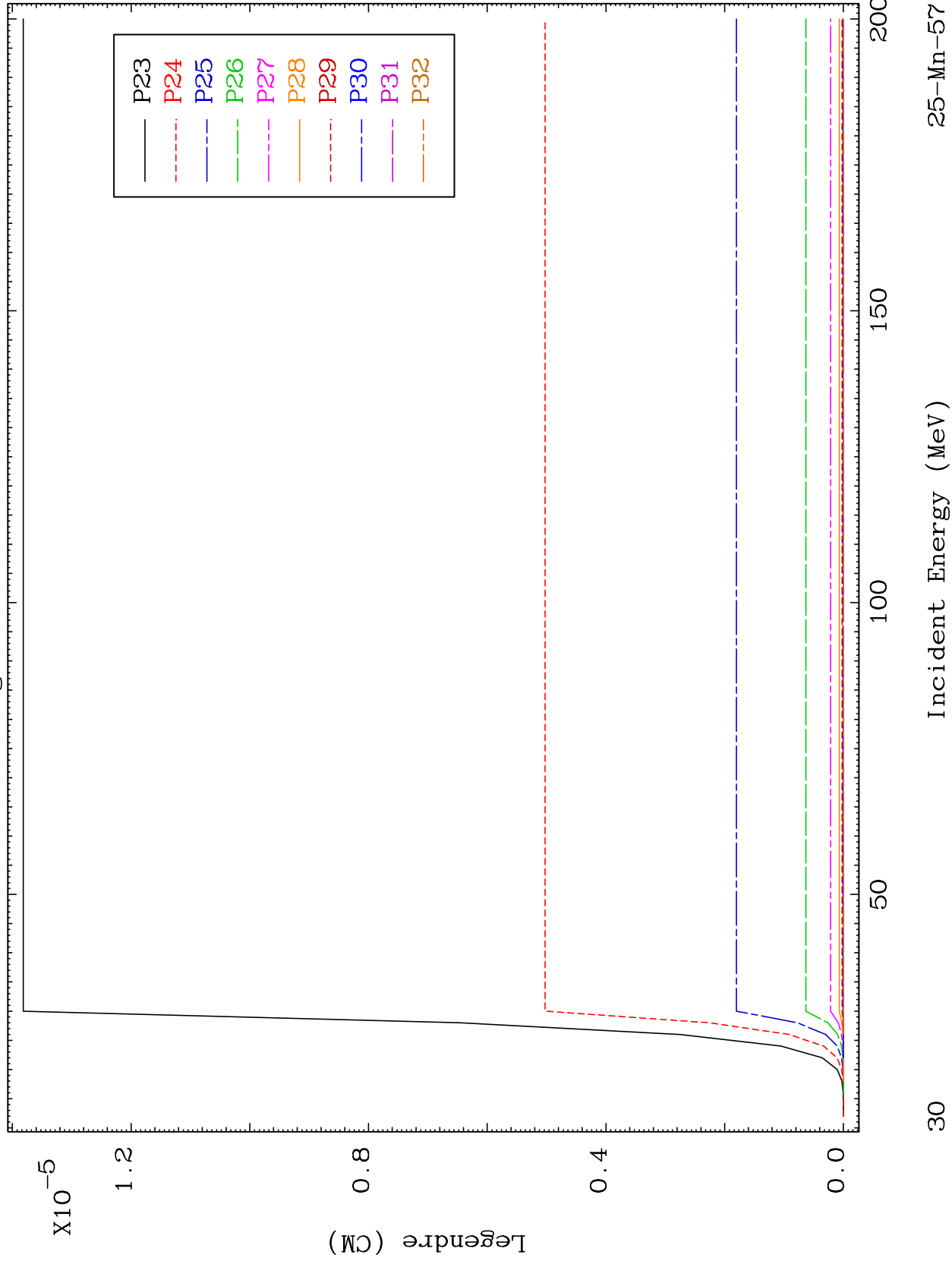
Incident Energy (MeV)

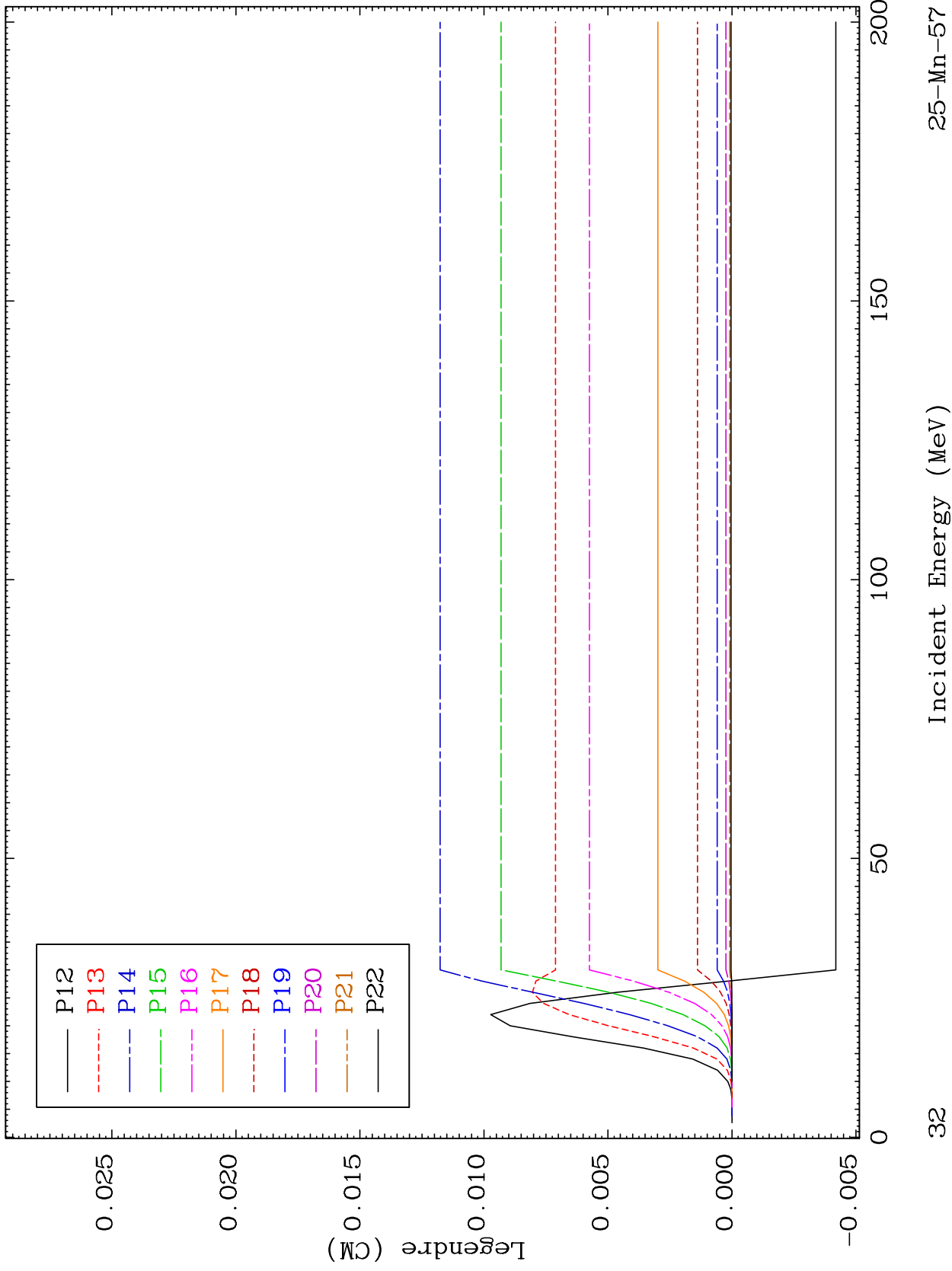
25-Mn-57

MAT 2531

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

25-Mn-57

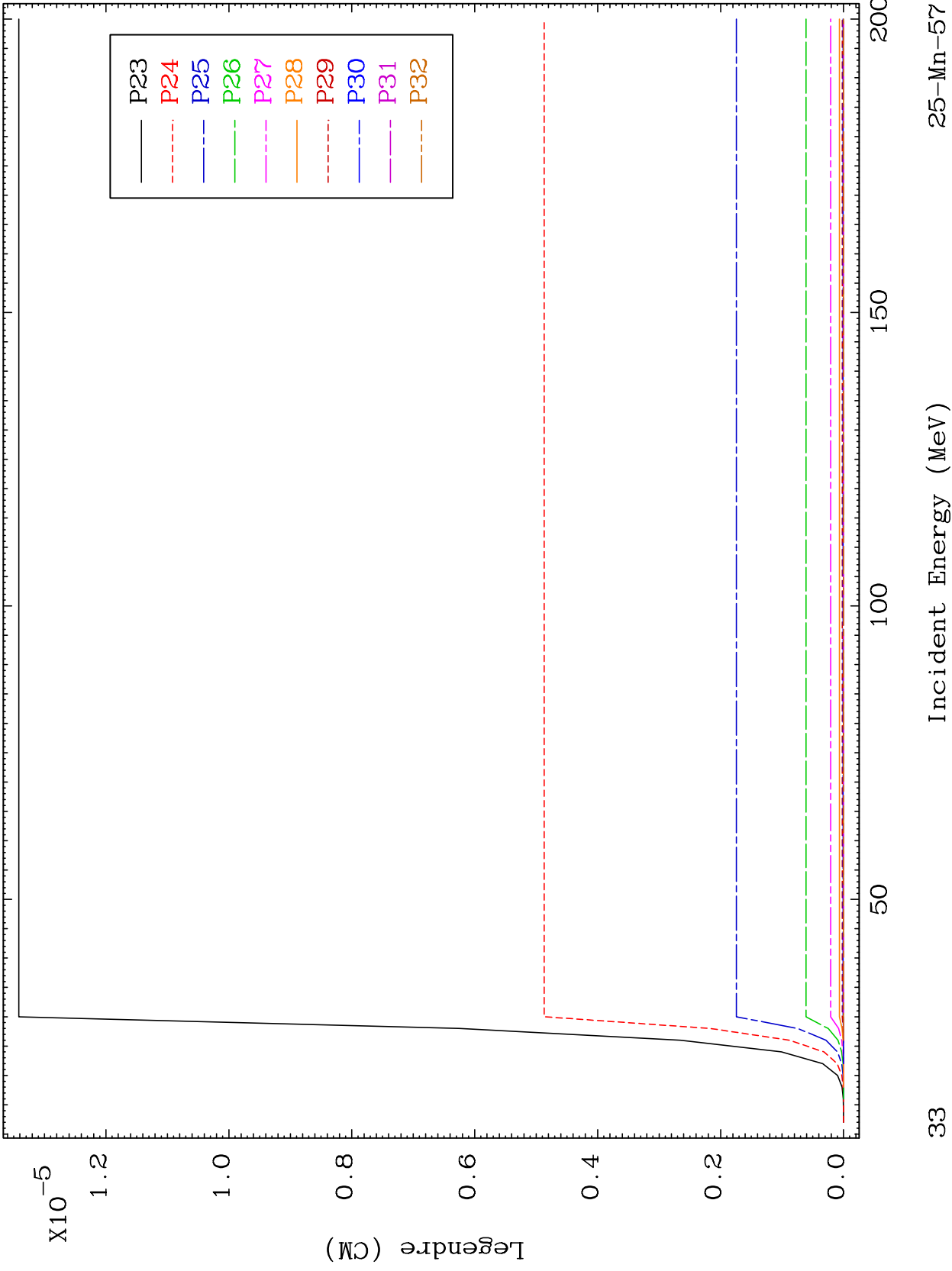




MAT 2531

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

25-Mn-57



33

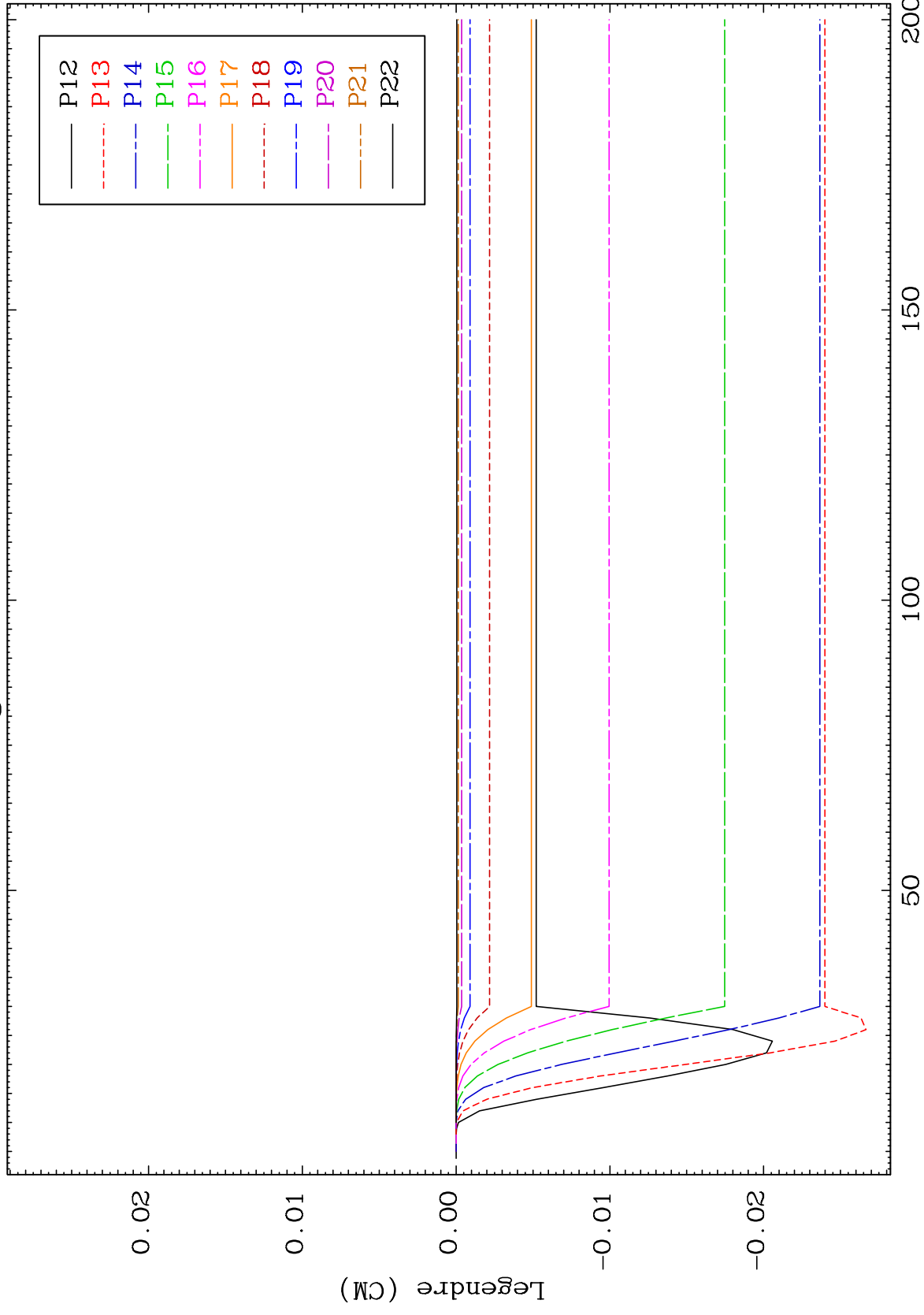
Incident Energy (MeV)

25-Mn-57

MAT 2531

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

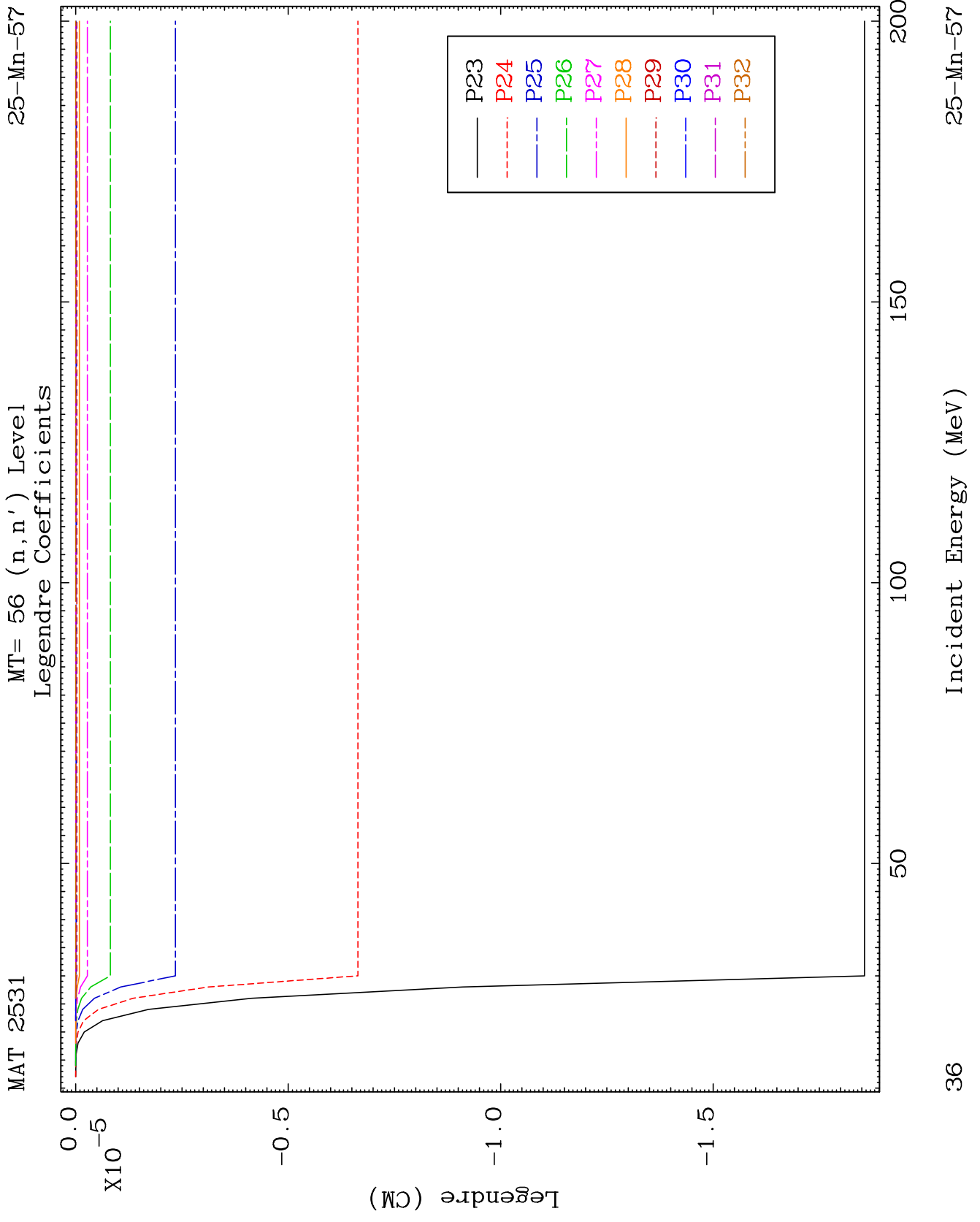
25-Mn-57

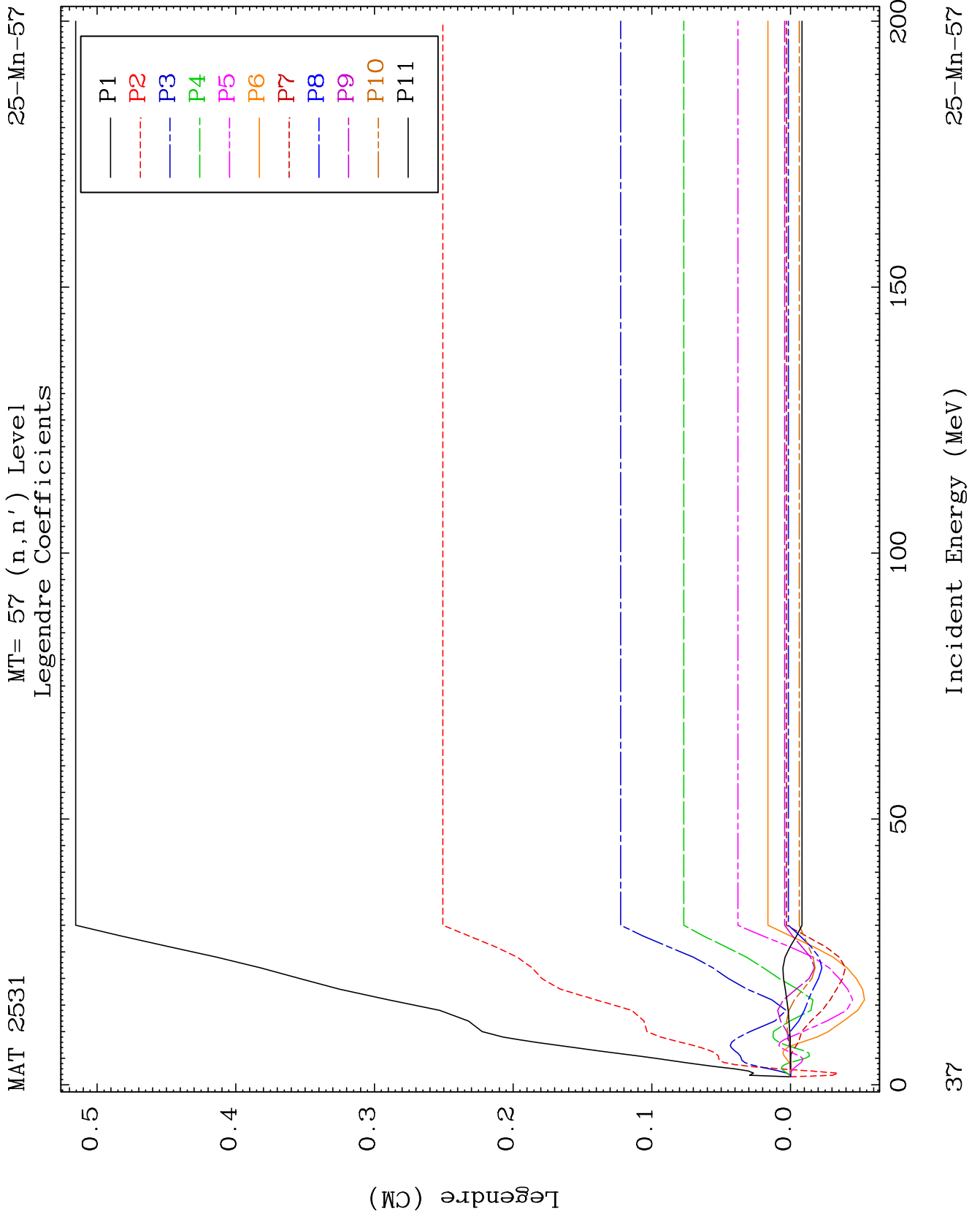


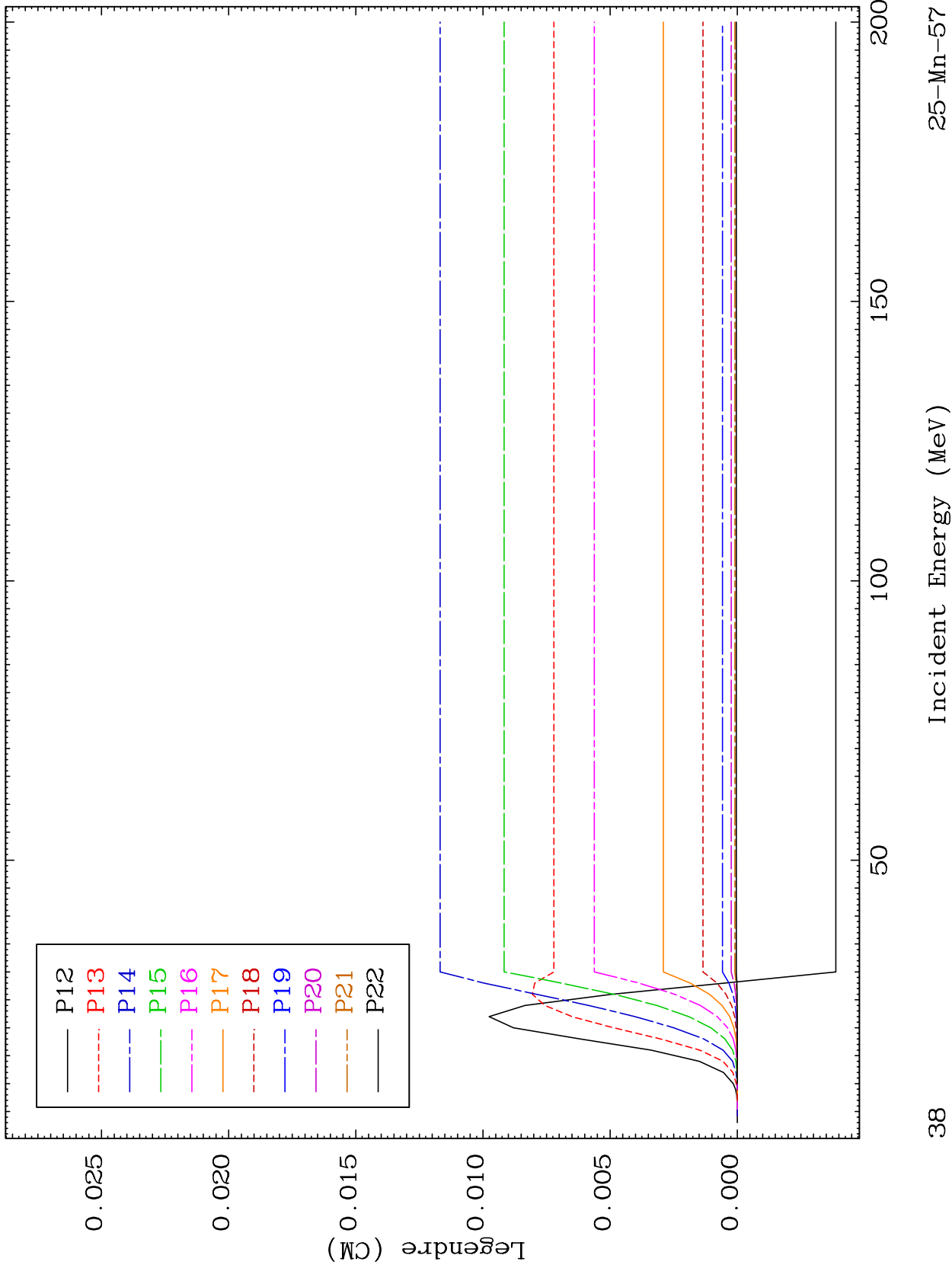
35

Incident Energy (MeV)

25-Mn-57



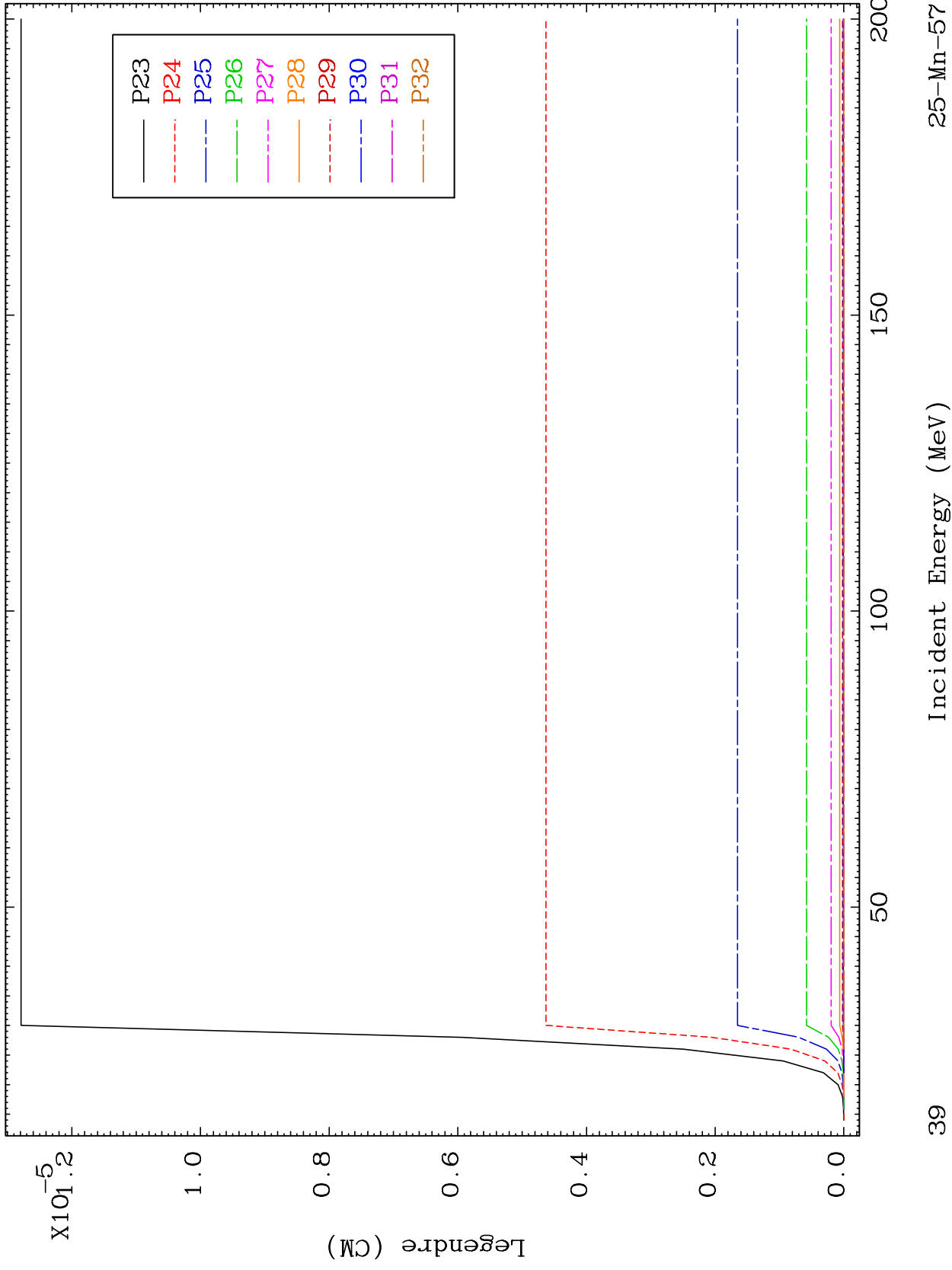




MAT 2531

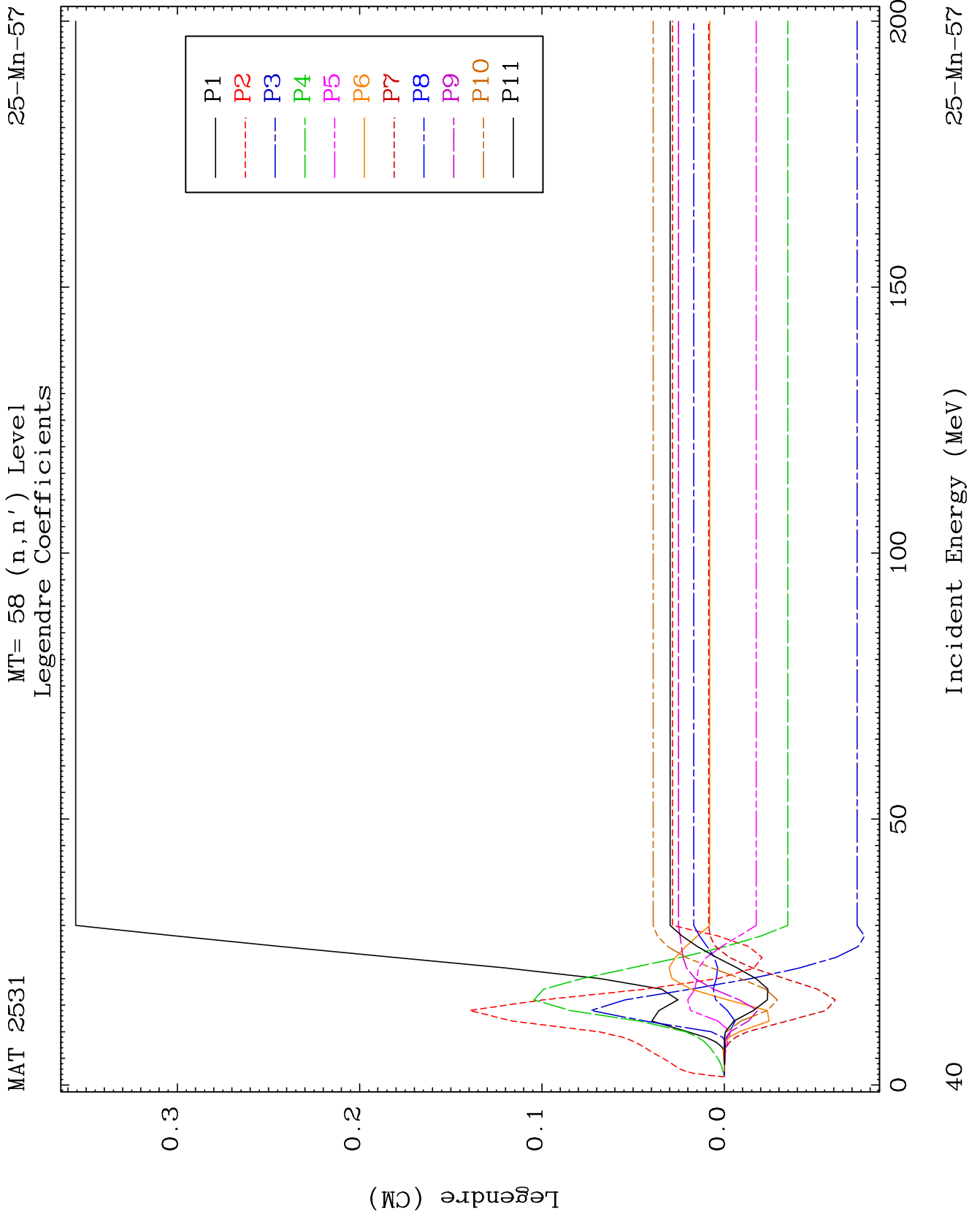
MT= 57 (n,n') Level
Legendre Coefficients

25-Mn-57



39

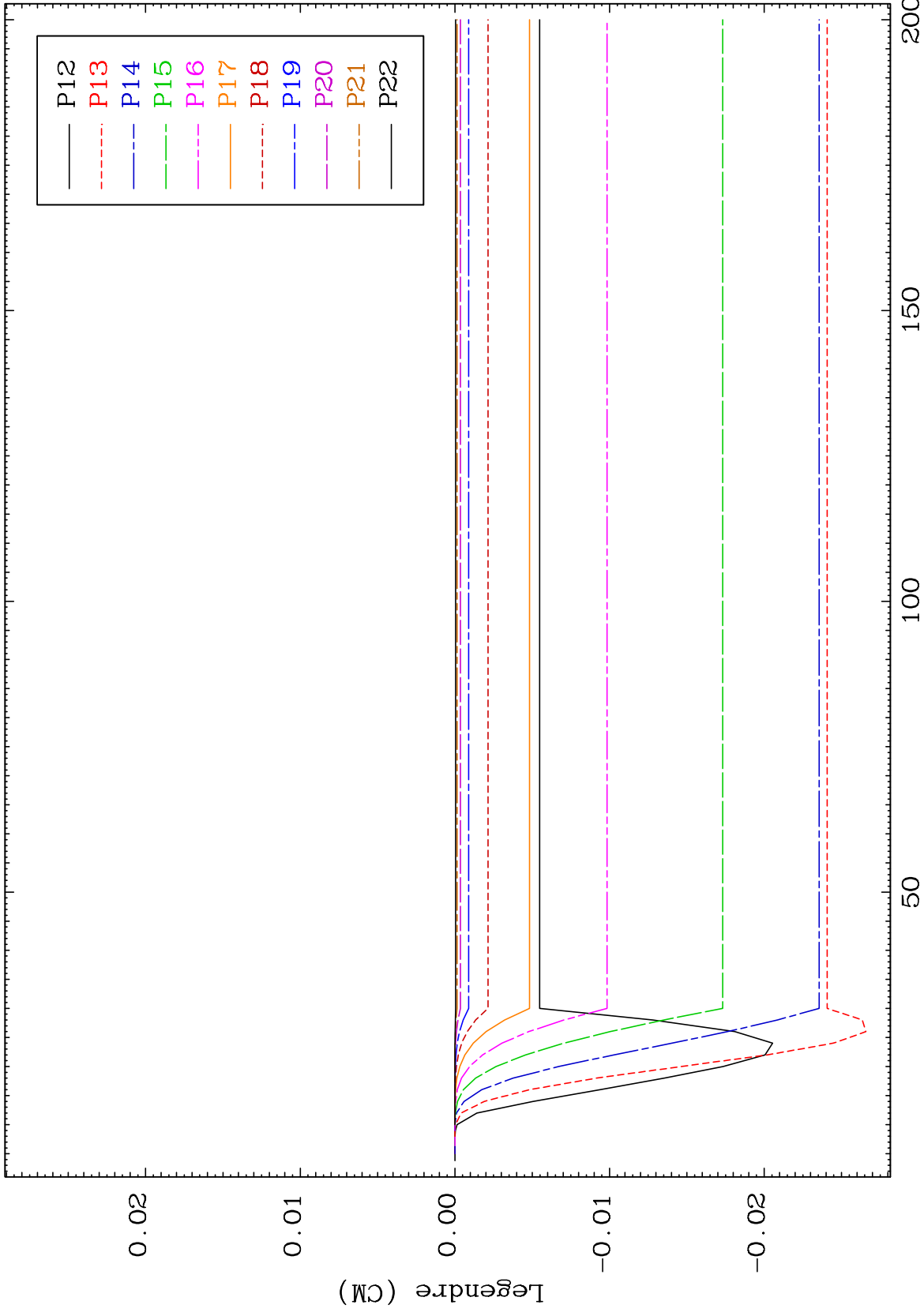
25-Mn-57



MAT 2531

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

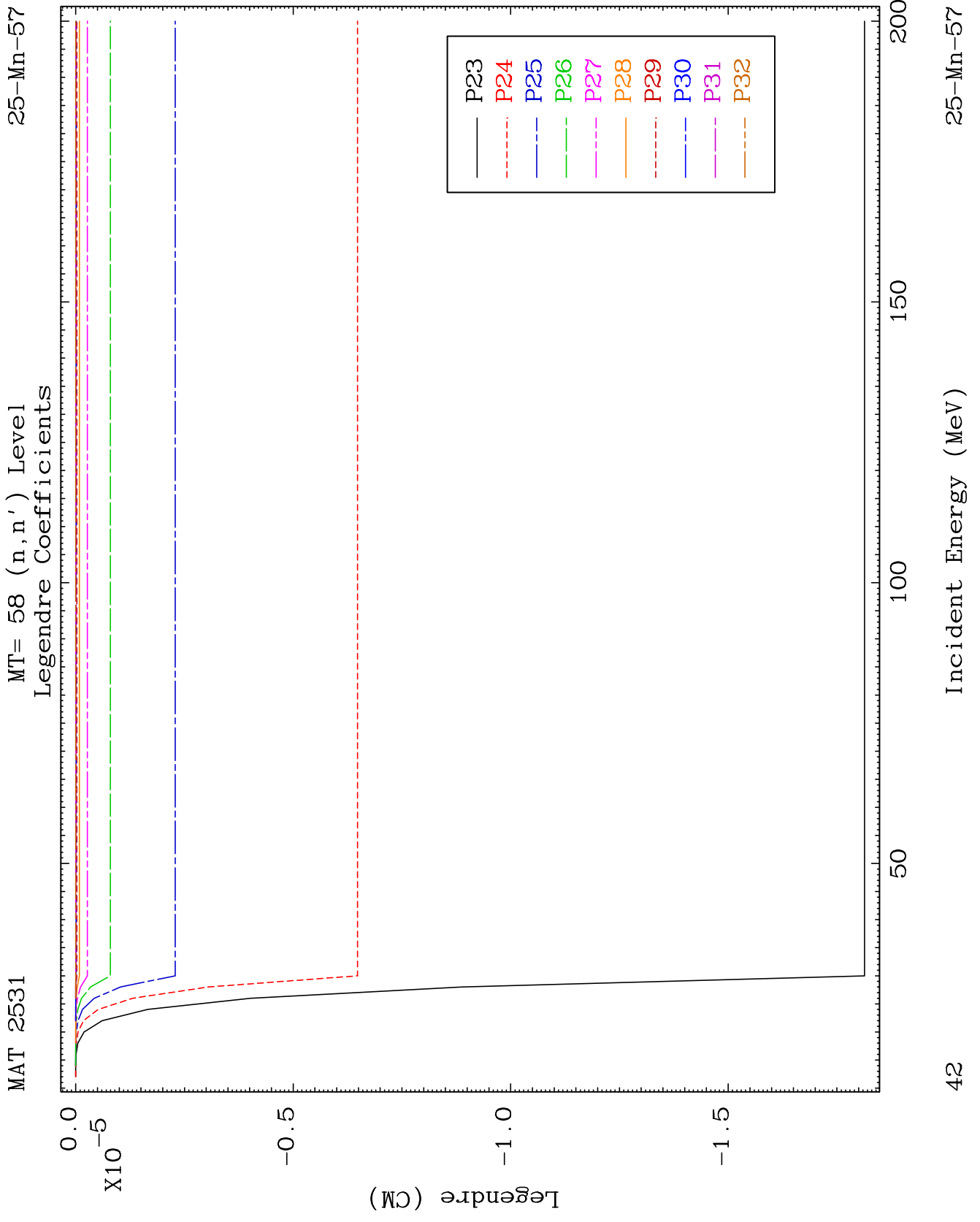
25-Mn-57



41

Incident Energy (MeV)

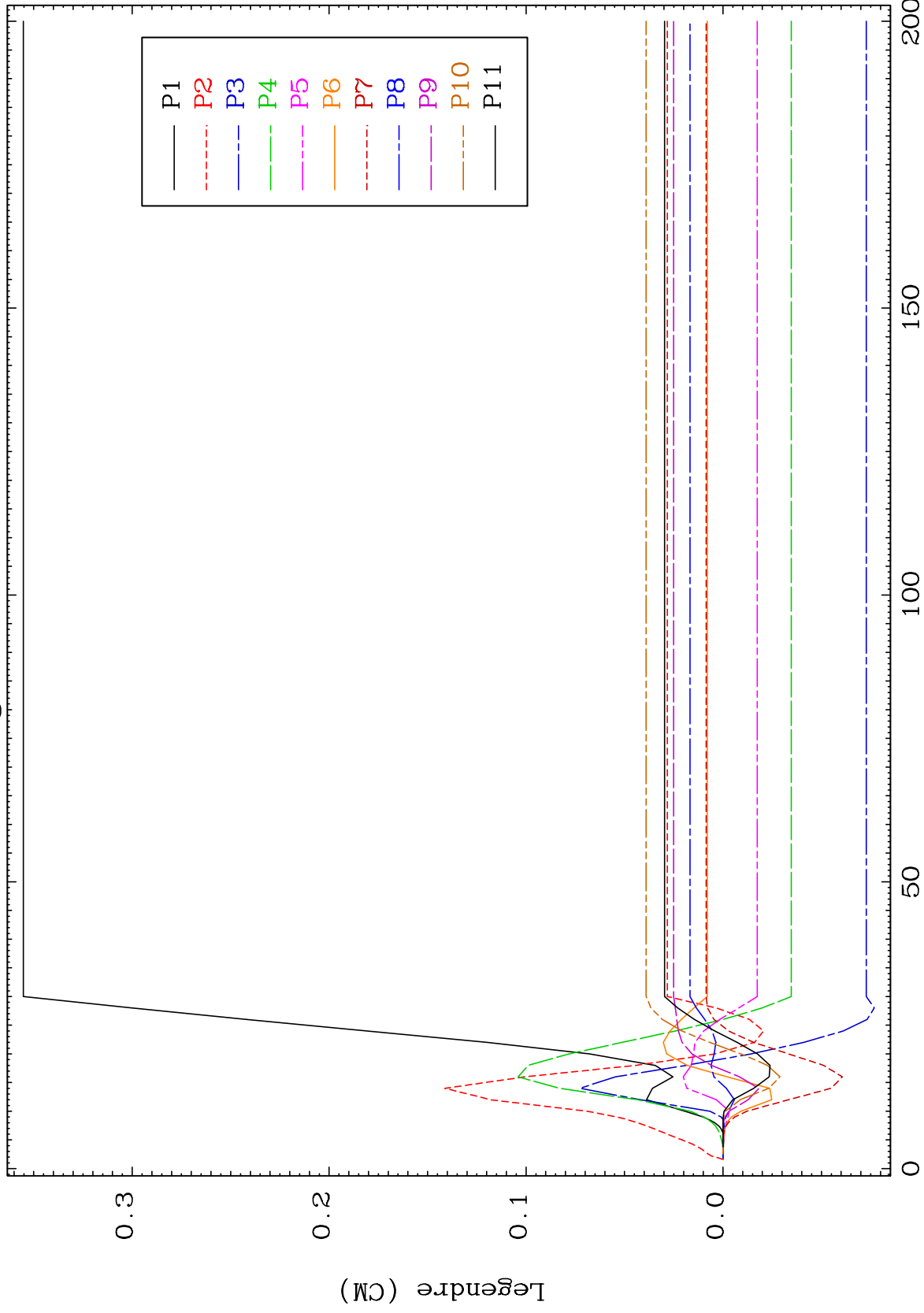
25-Mn-57



MAT 2531

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

25-Mn-57



43

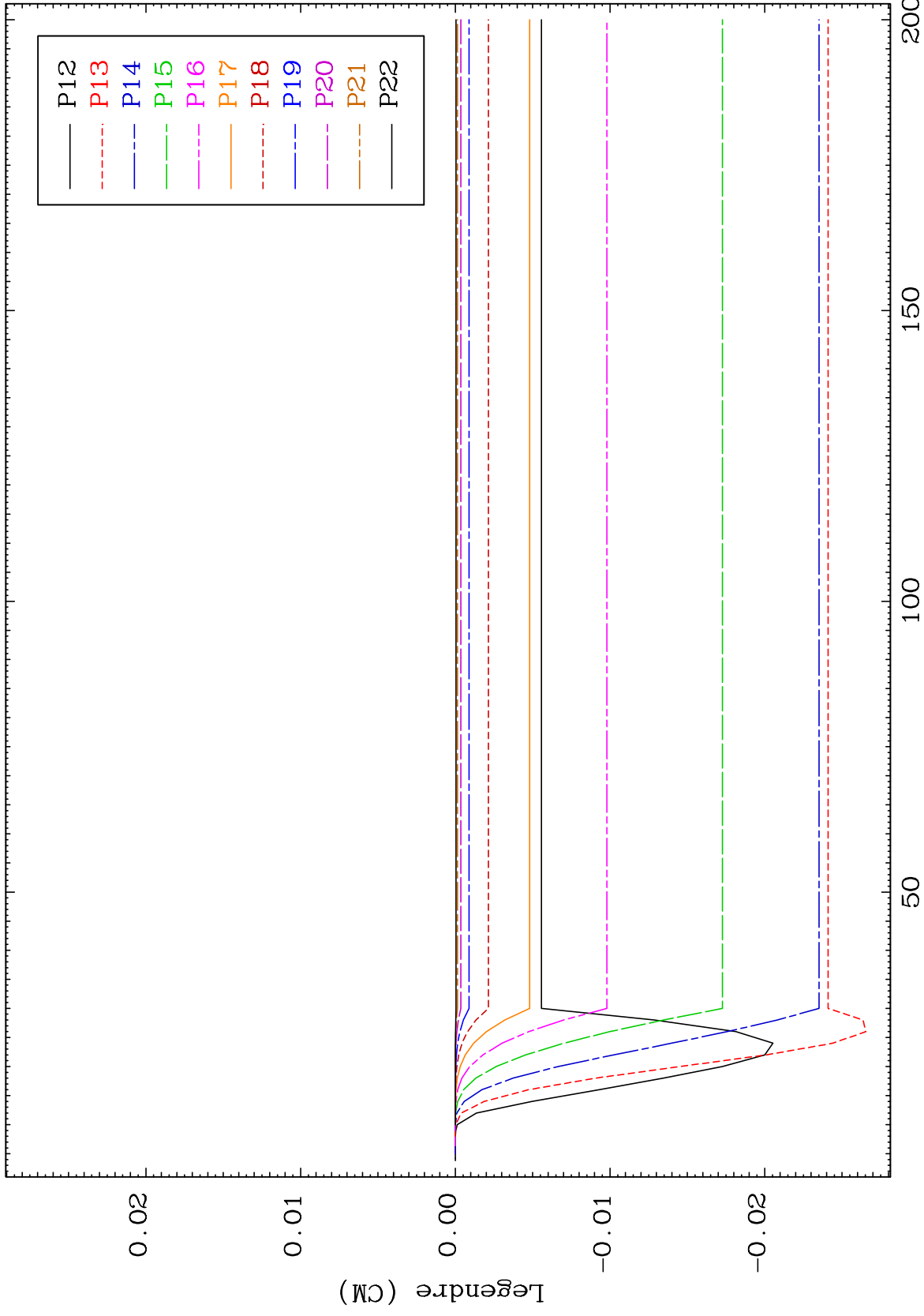
Incident Energy (MeV)

25-Mn-57

MAT 2531

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

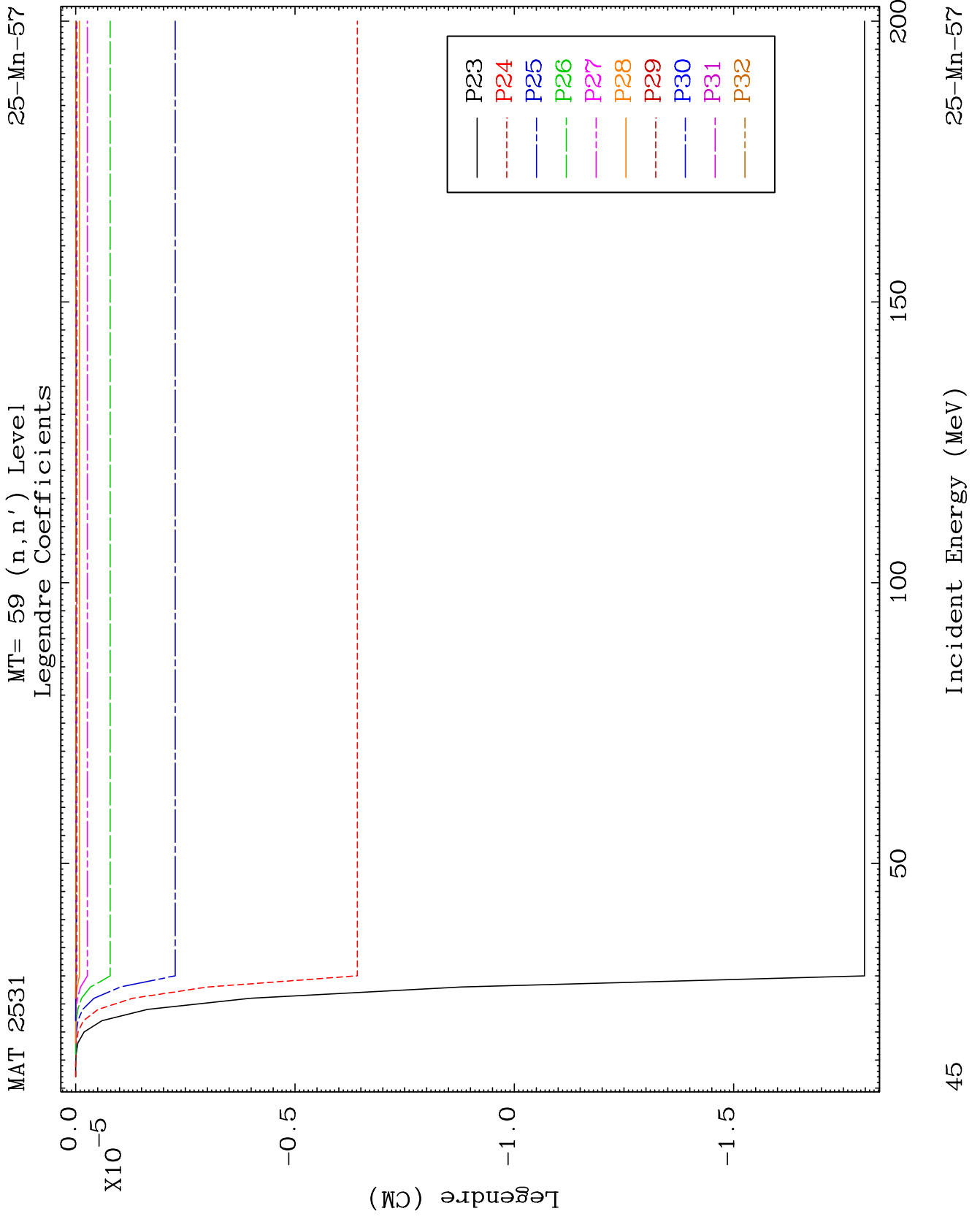
25-Mn-57



44

Incident Energy (MeV)

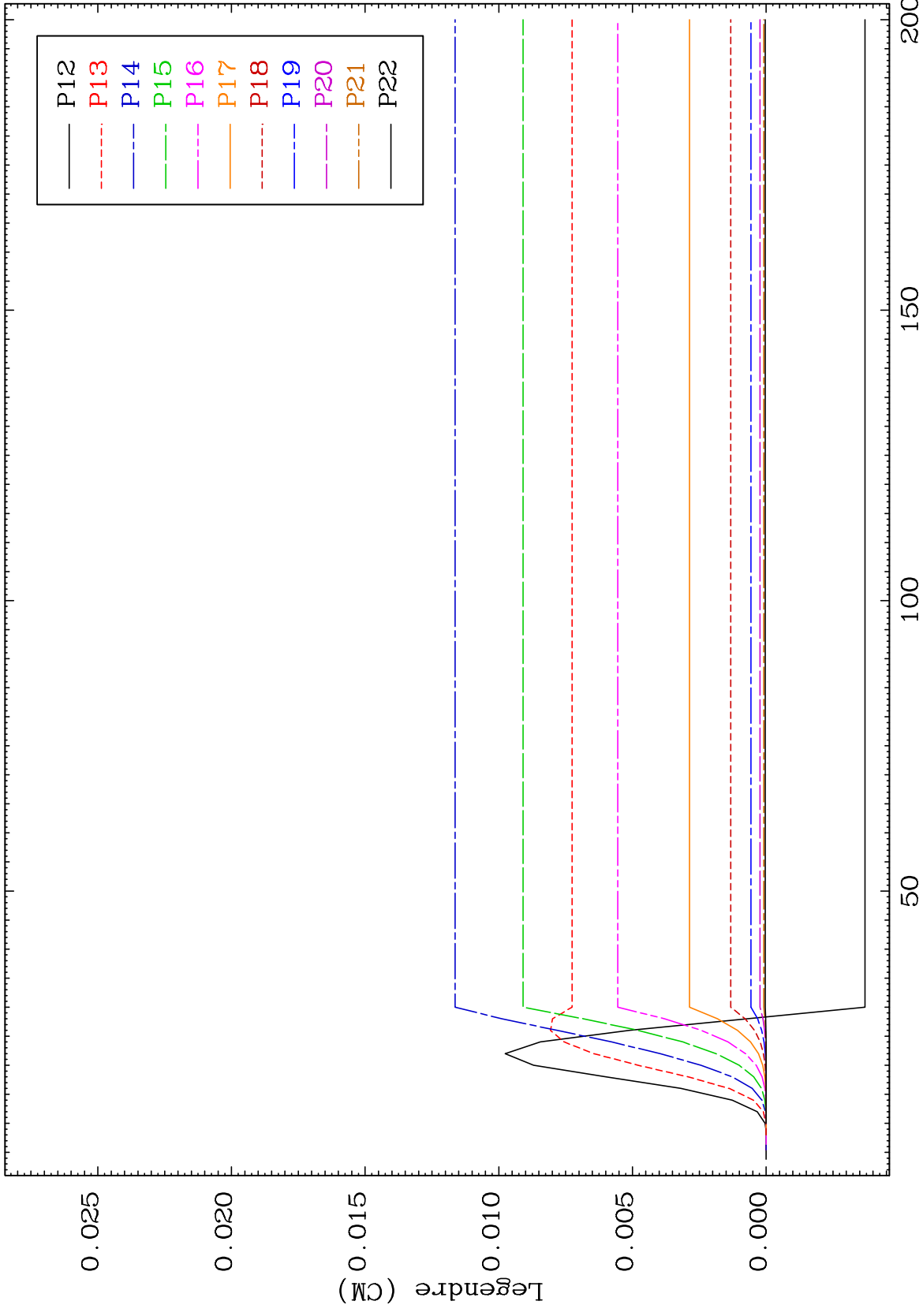
25-Mn-57



MAT 2531

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

25-Mn-57



47

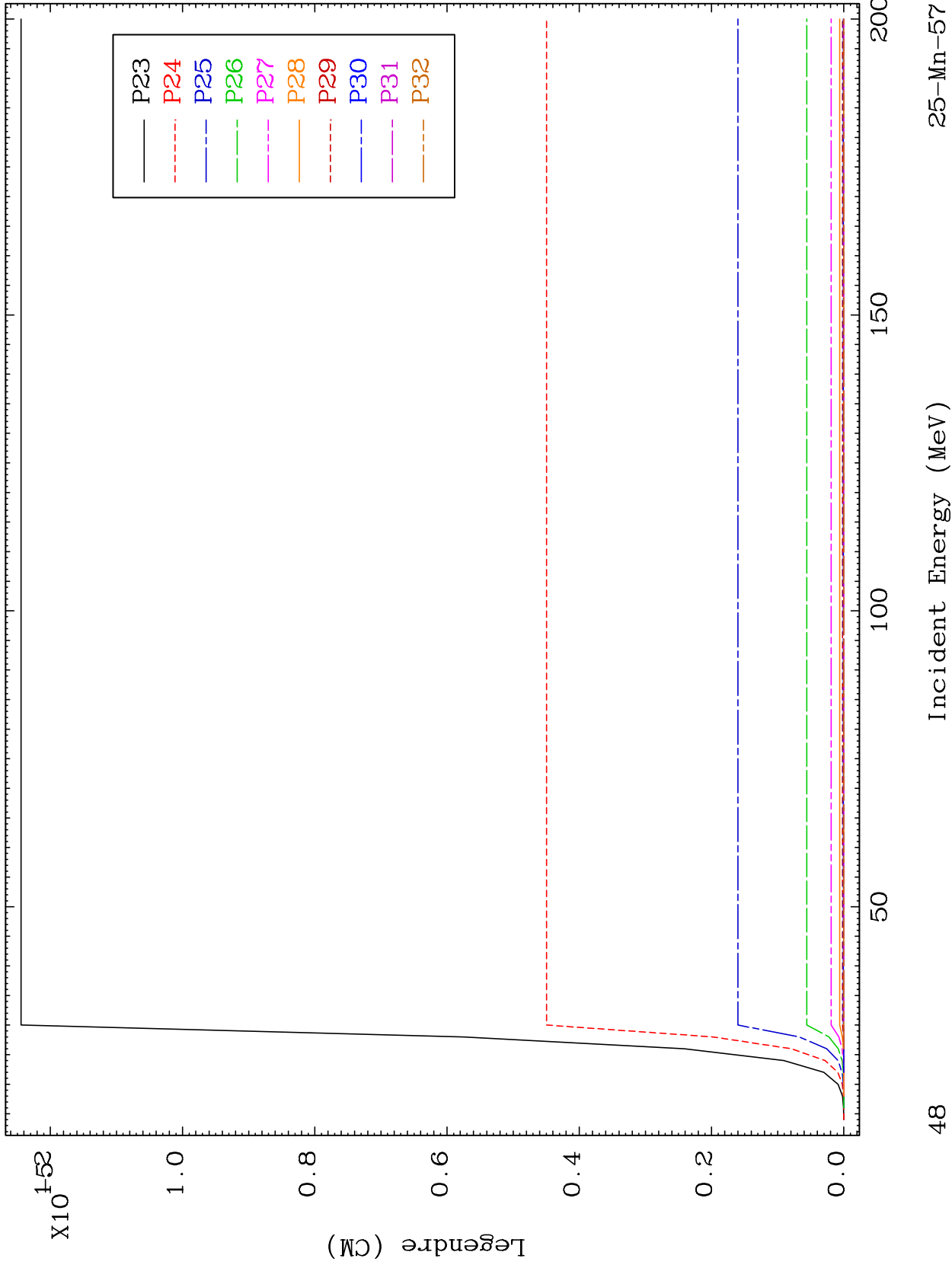
Incident Energy (MeV)

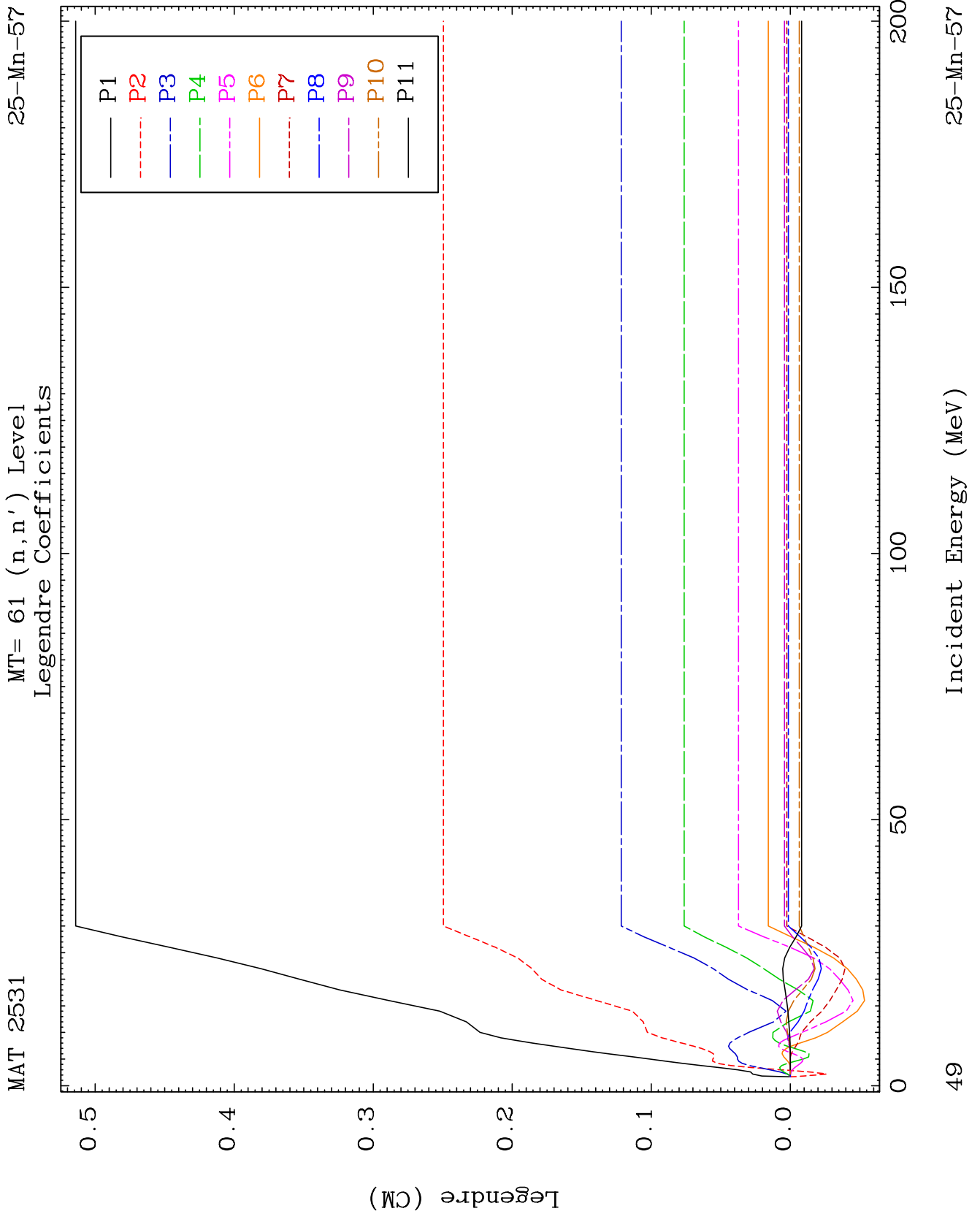
25-Mn-57

MAT 2531

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

25-Mn-57

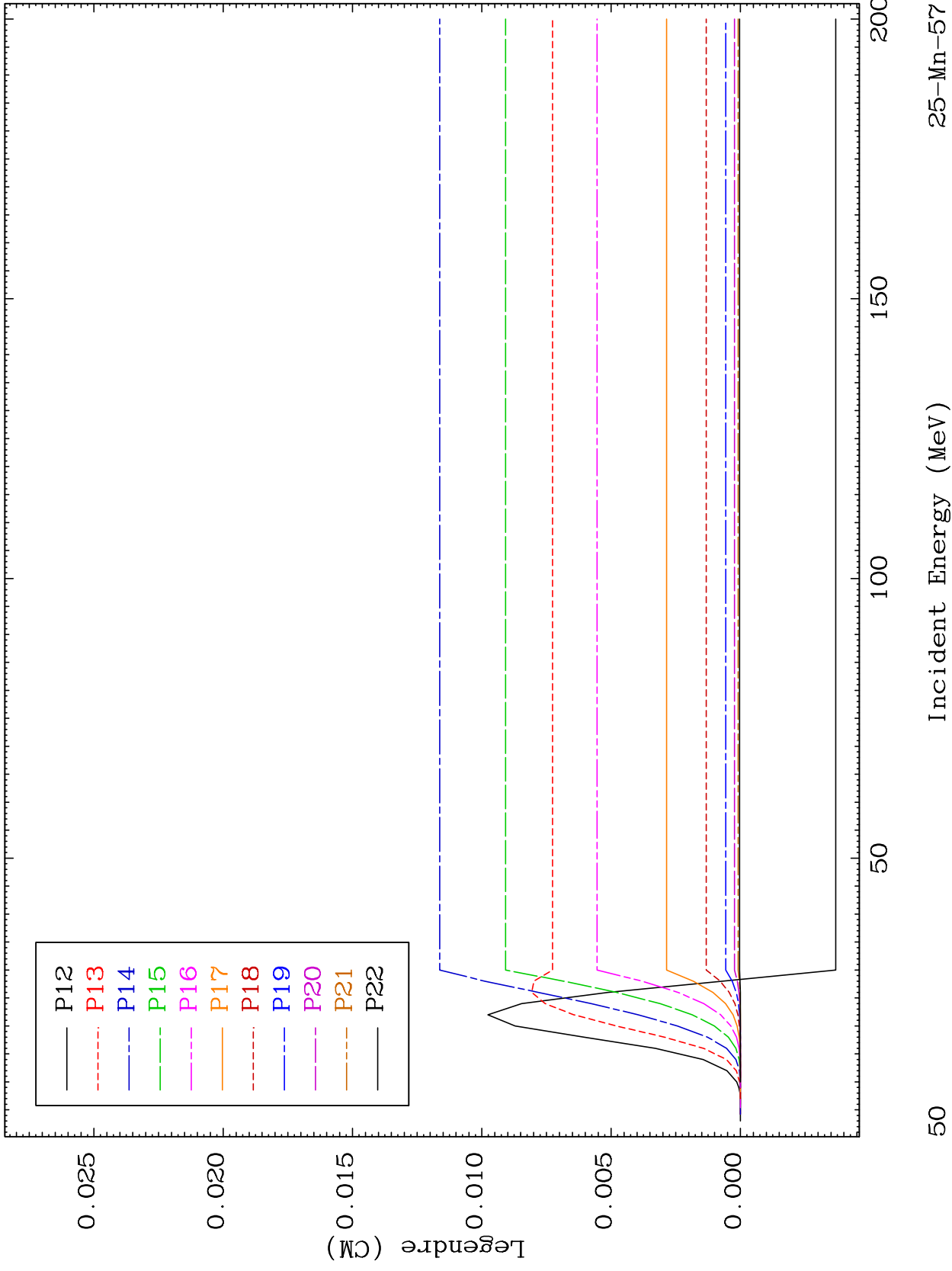




MAT 2531

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

25-Mn-57



50

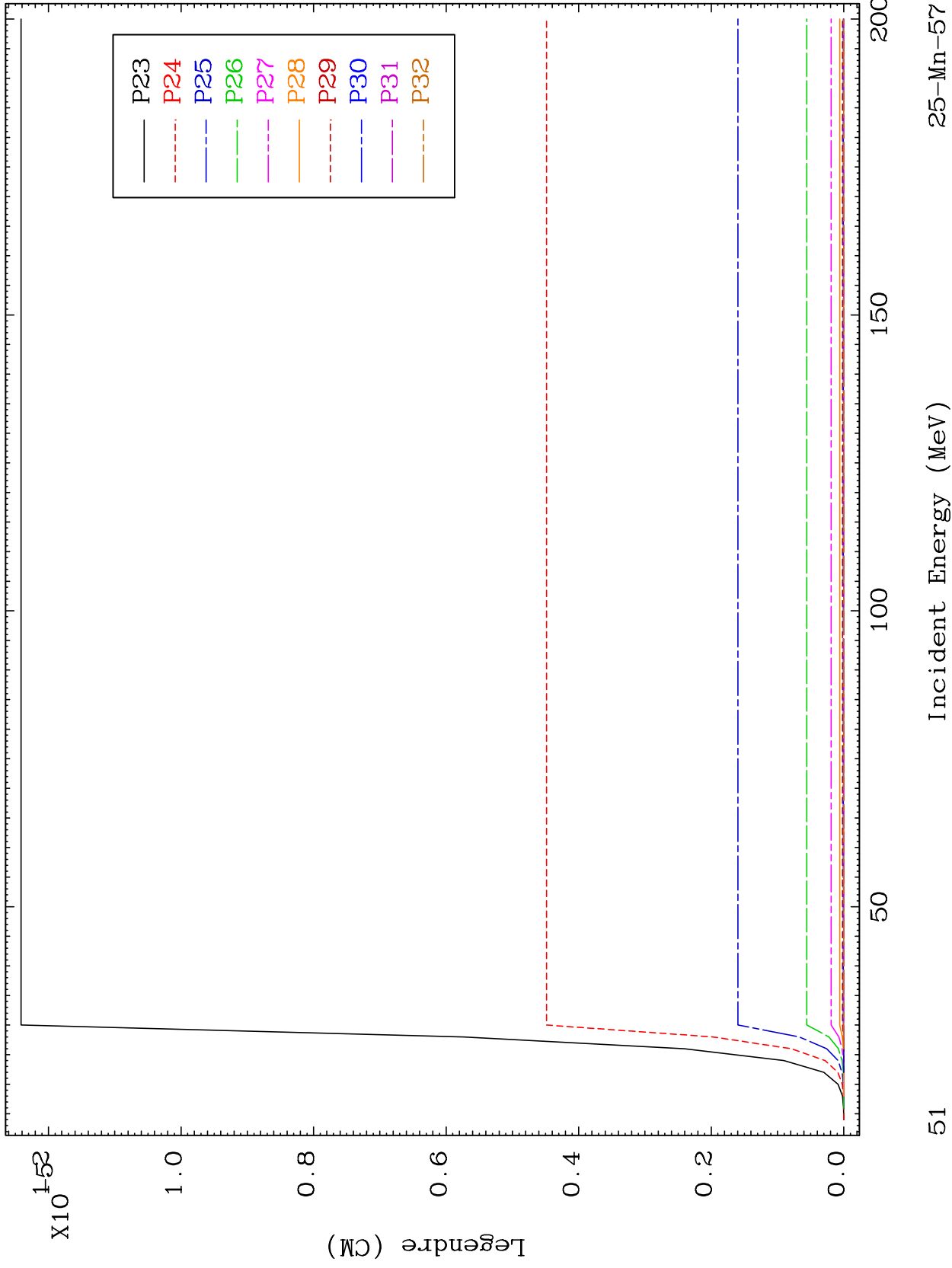
Incident Energy (MeV)

25-Mn-57

MAT 2531

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

25-Mn-57



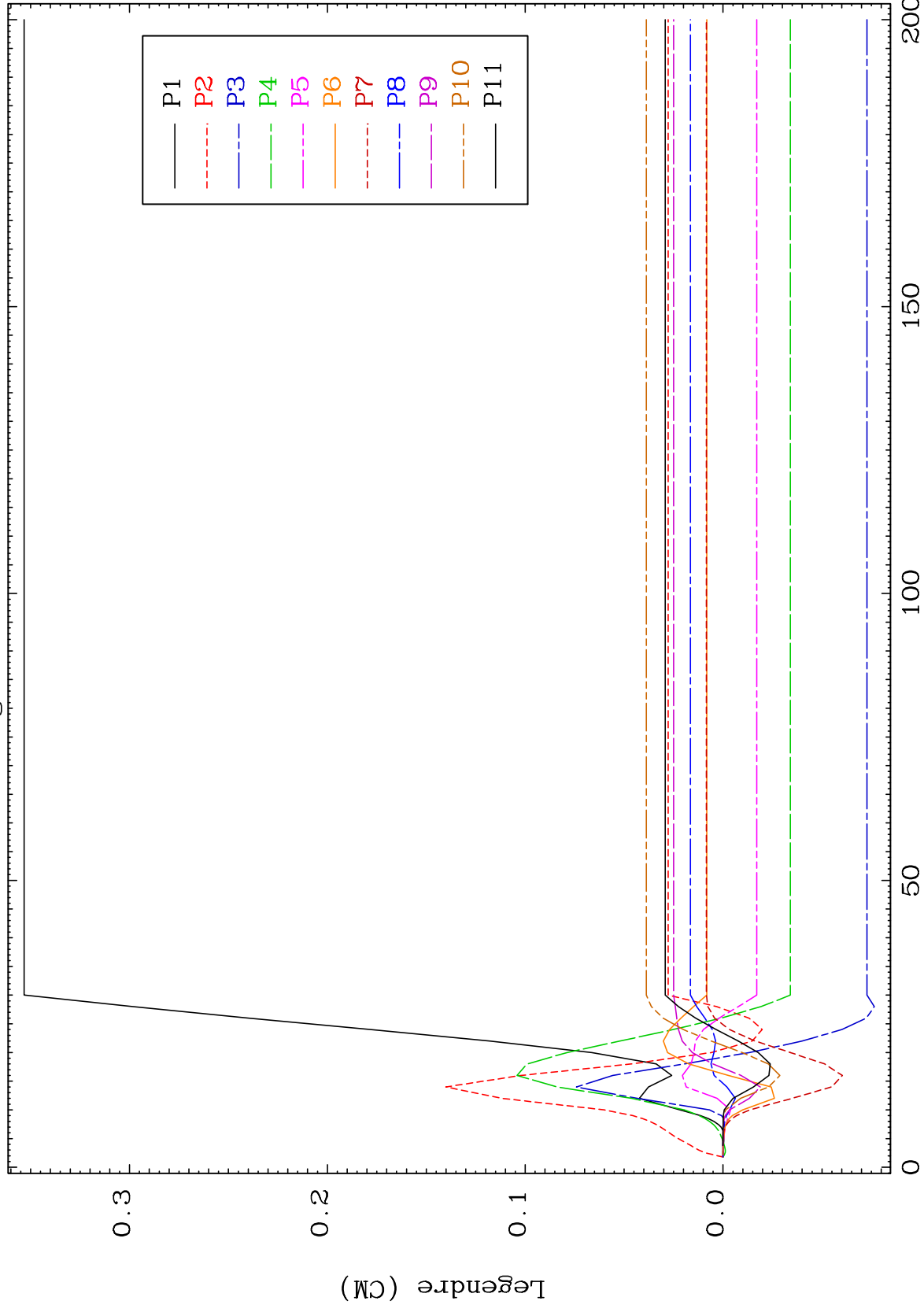
51

25-Mn-57

MAT 2531

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

25-Mn-57



52

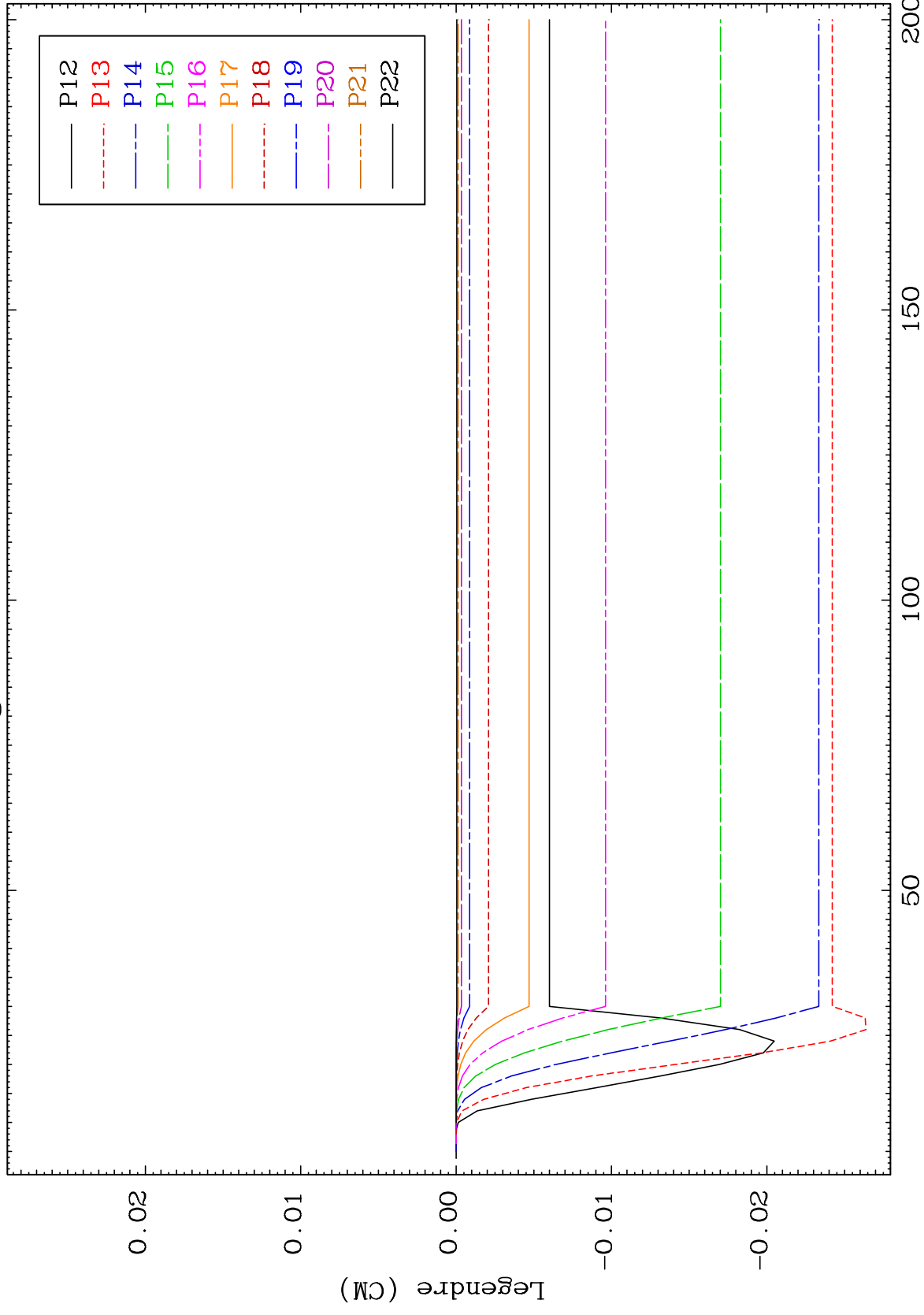
Incident Energy (MeV)

25-Mn-57

MAT 2531

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

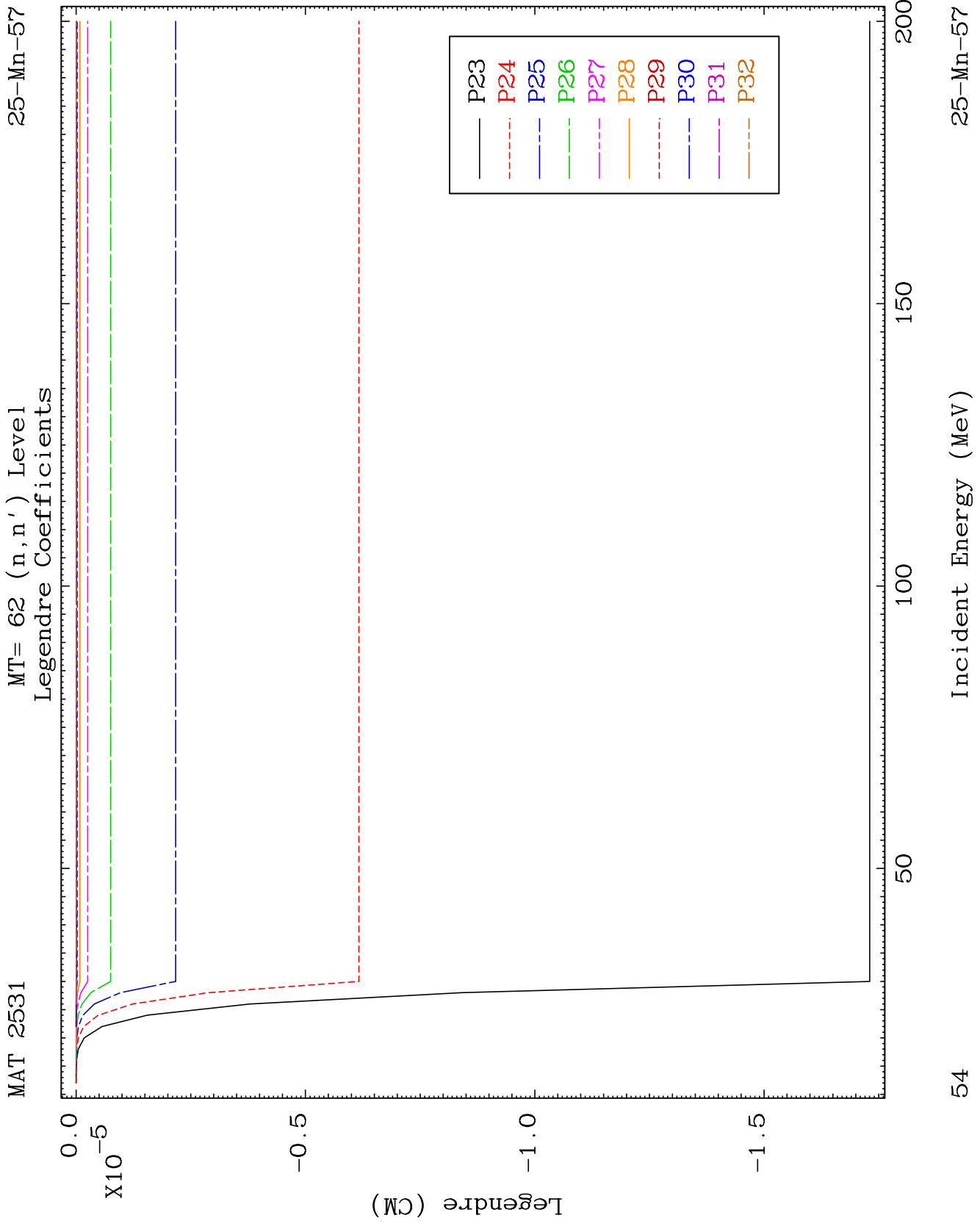
25-Mn-57

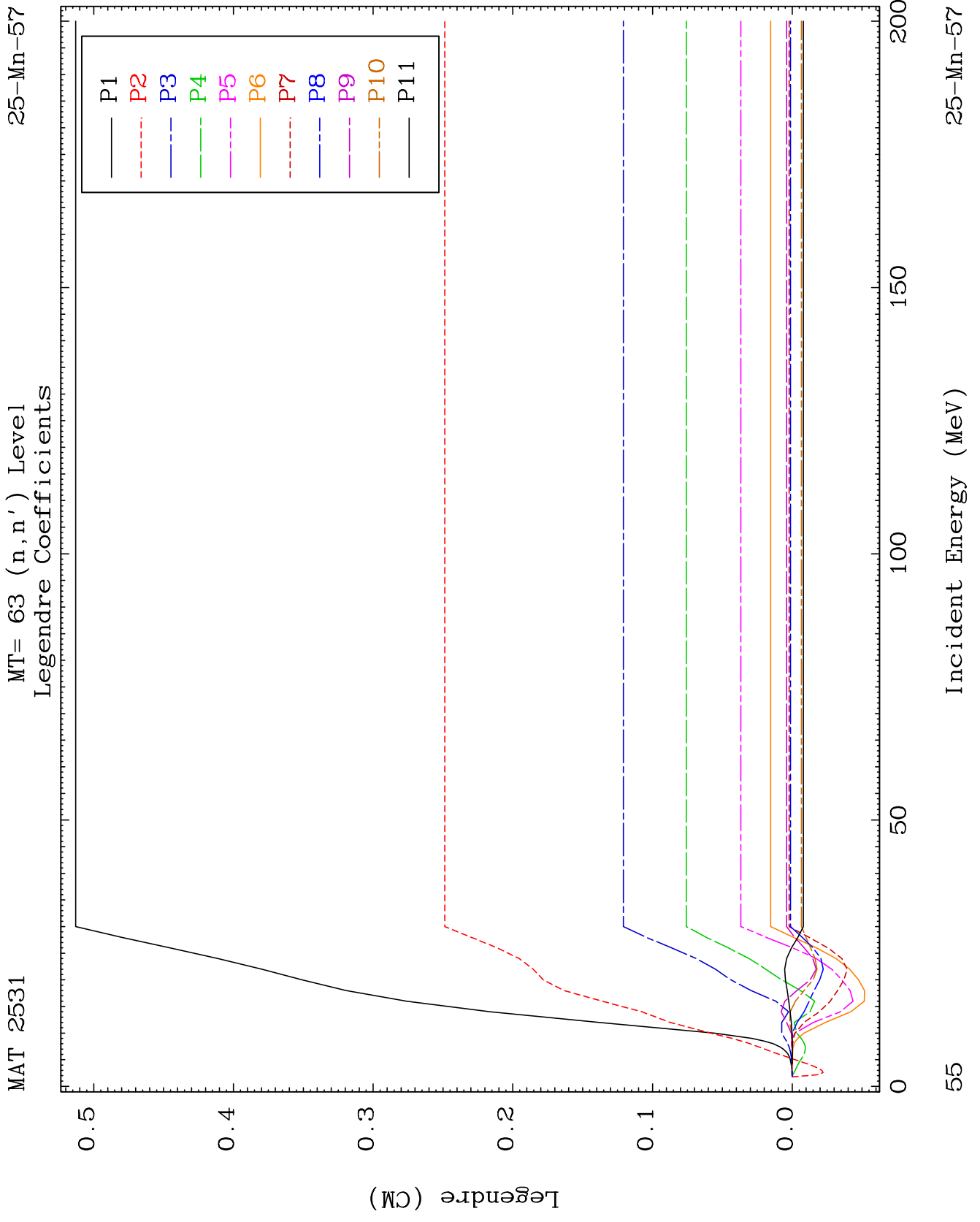


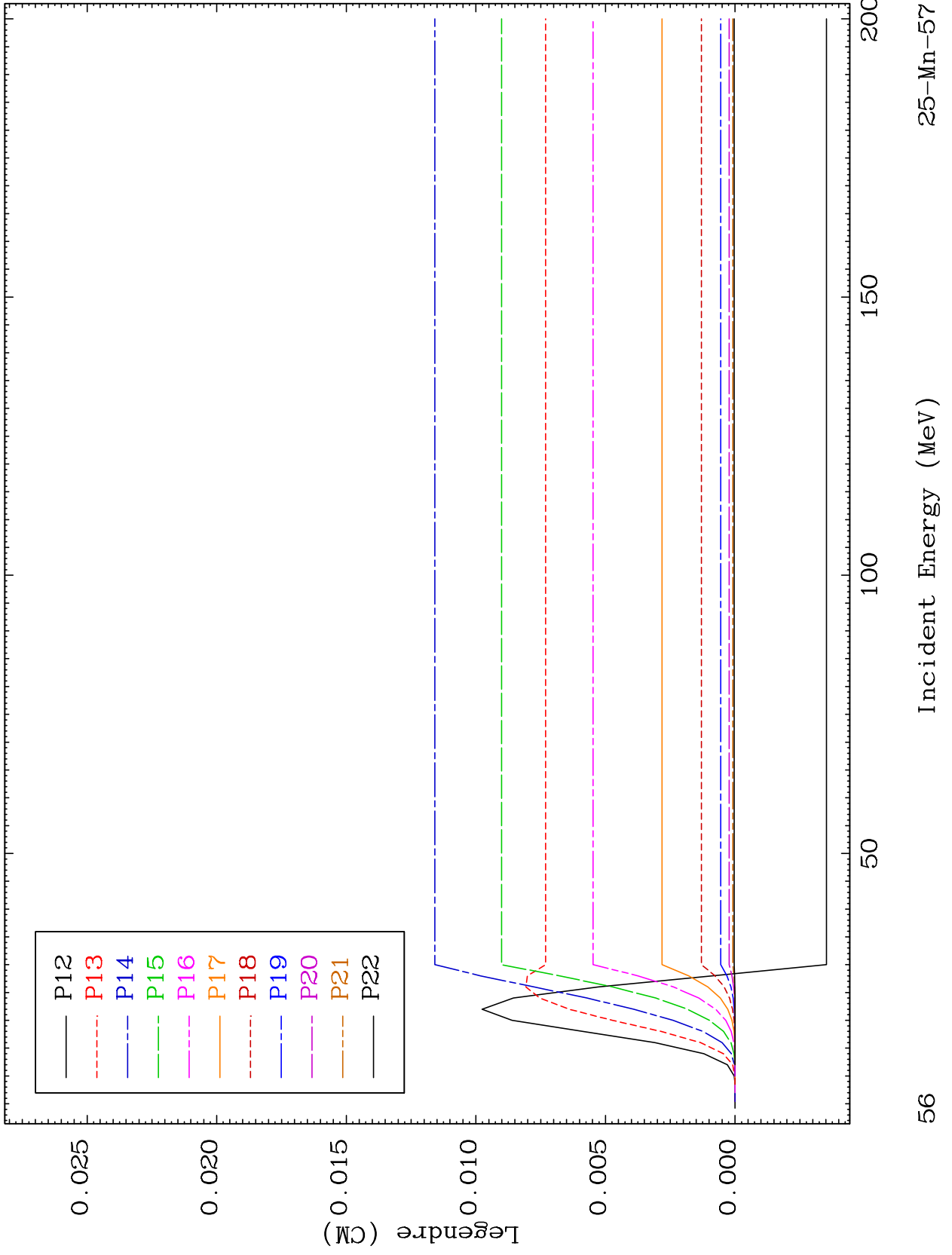
53

Incident Energy (MeV)

25-Mn-57



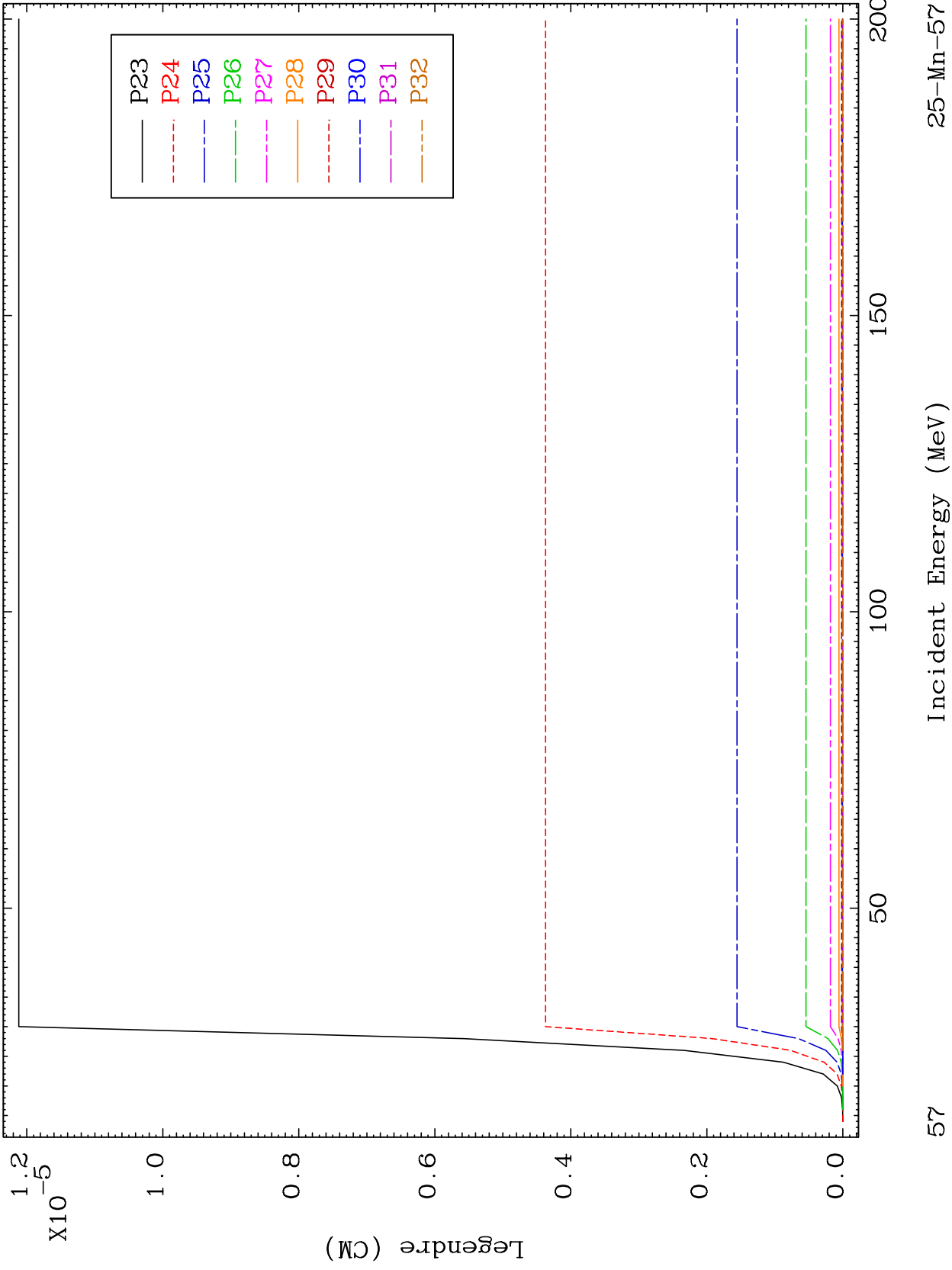




MAT 2531

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

25-Mn-57



57

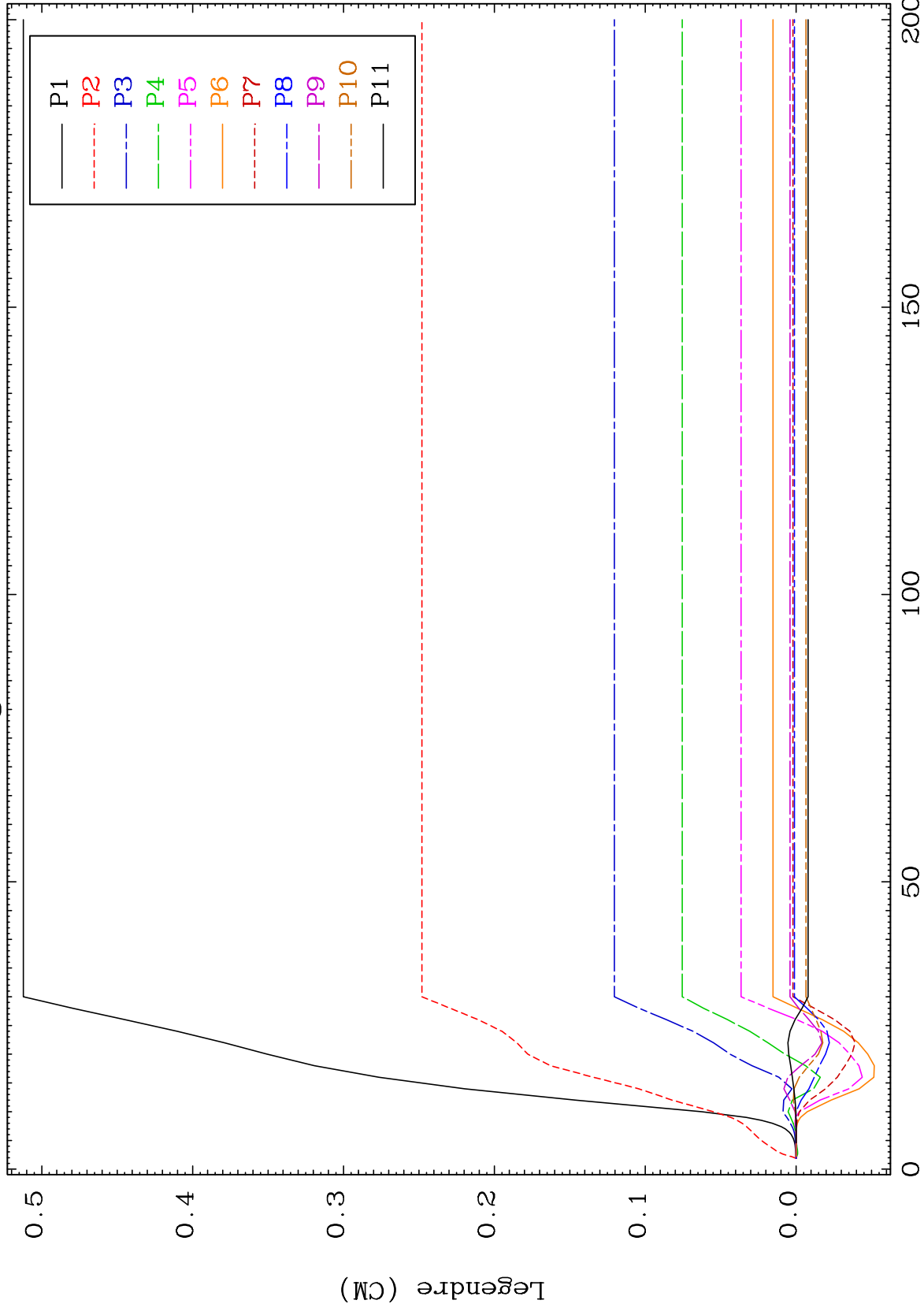
Incident Energy (MeV)

25-Mn-57

MAT 2531

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

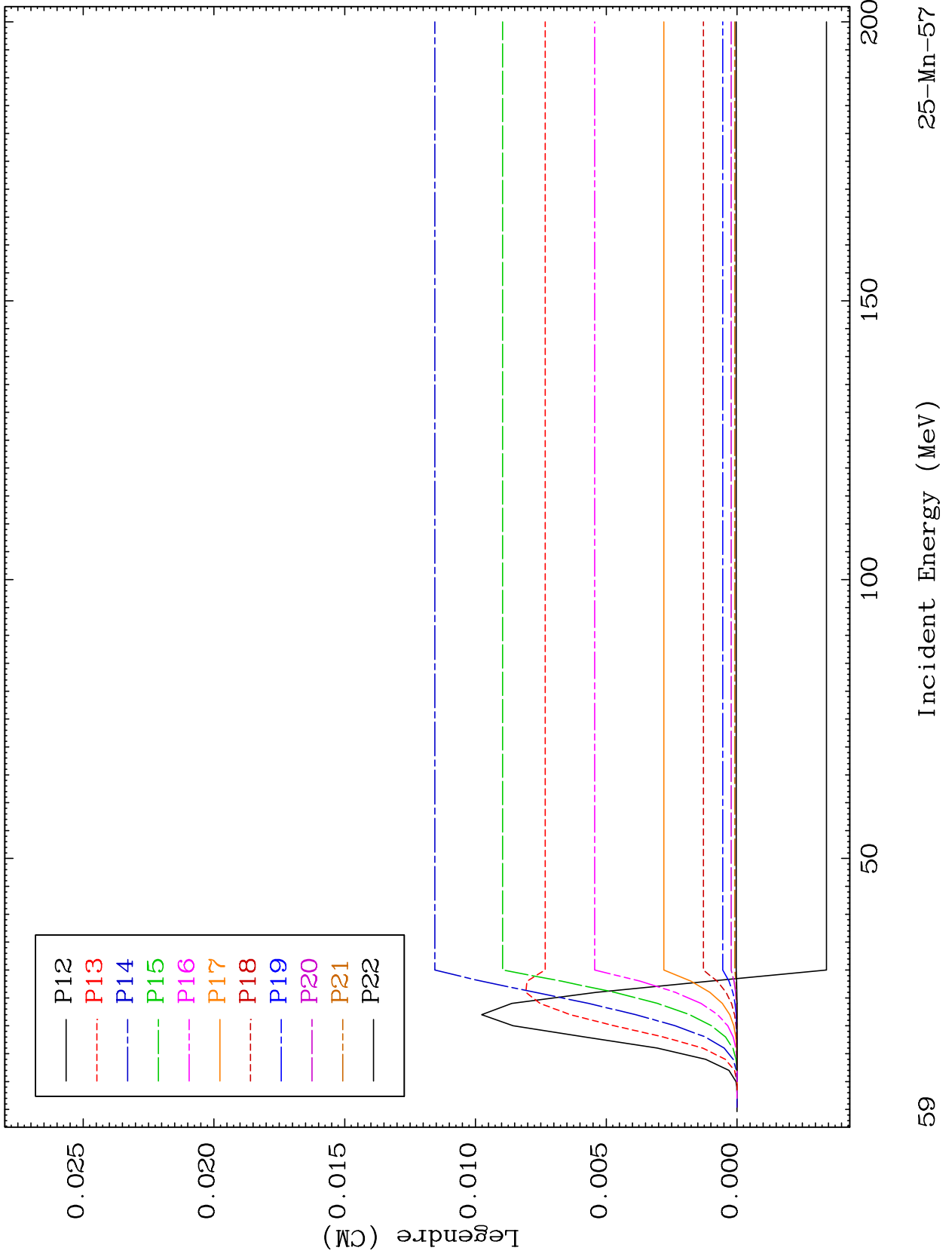
25-Mn-57



58

Incident Energy (MeV)

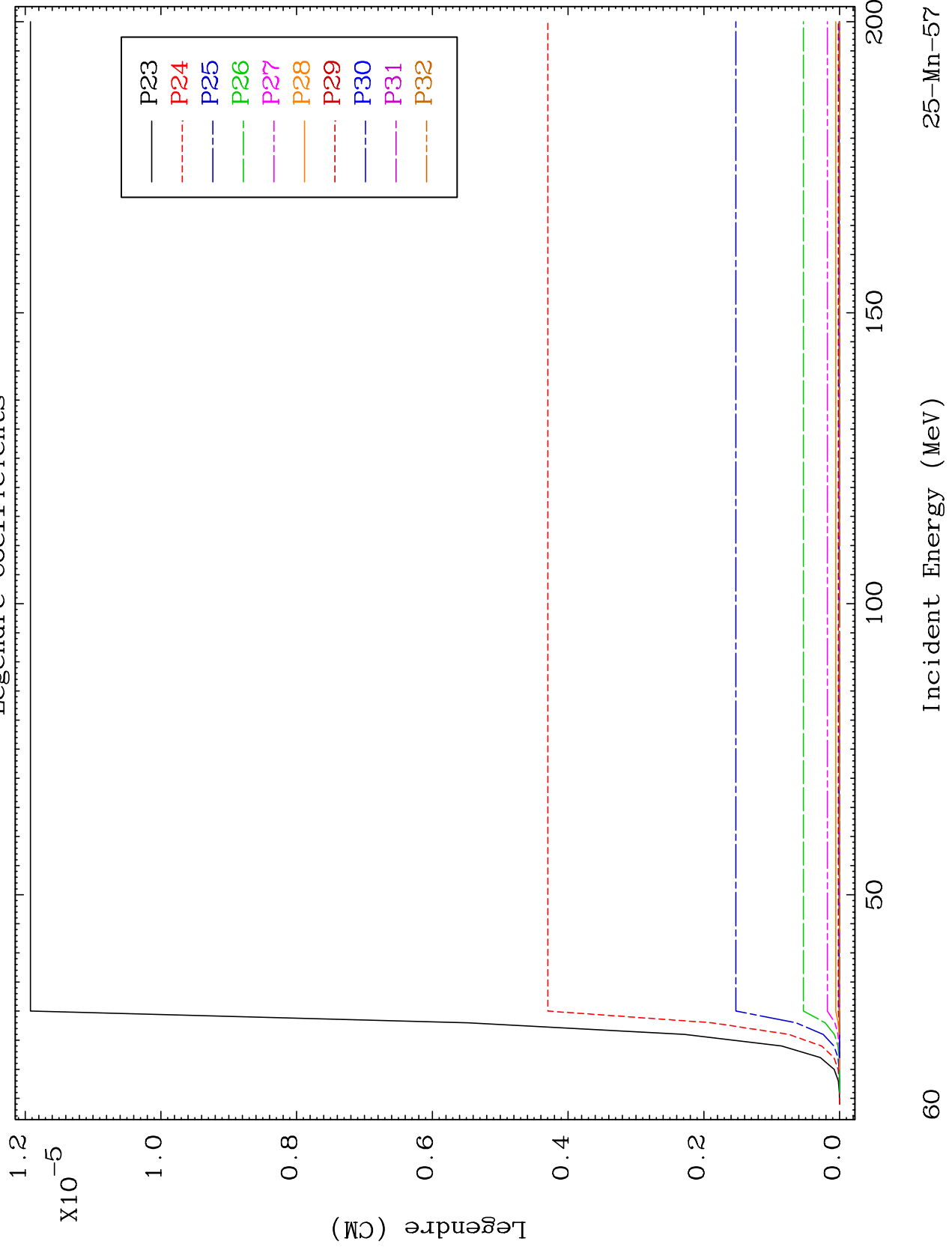
25-Mn-57



MAT 2531

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

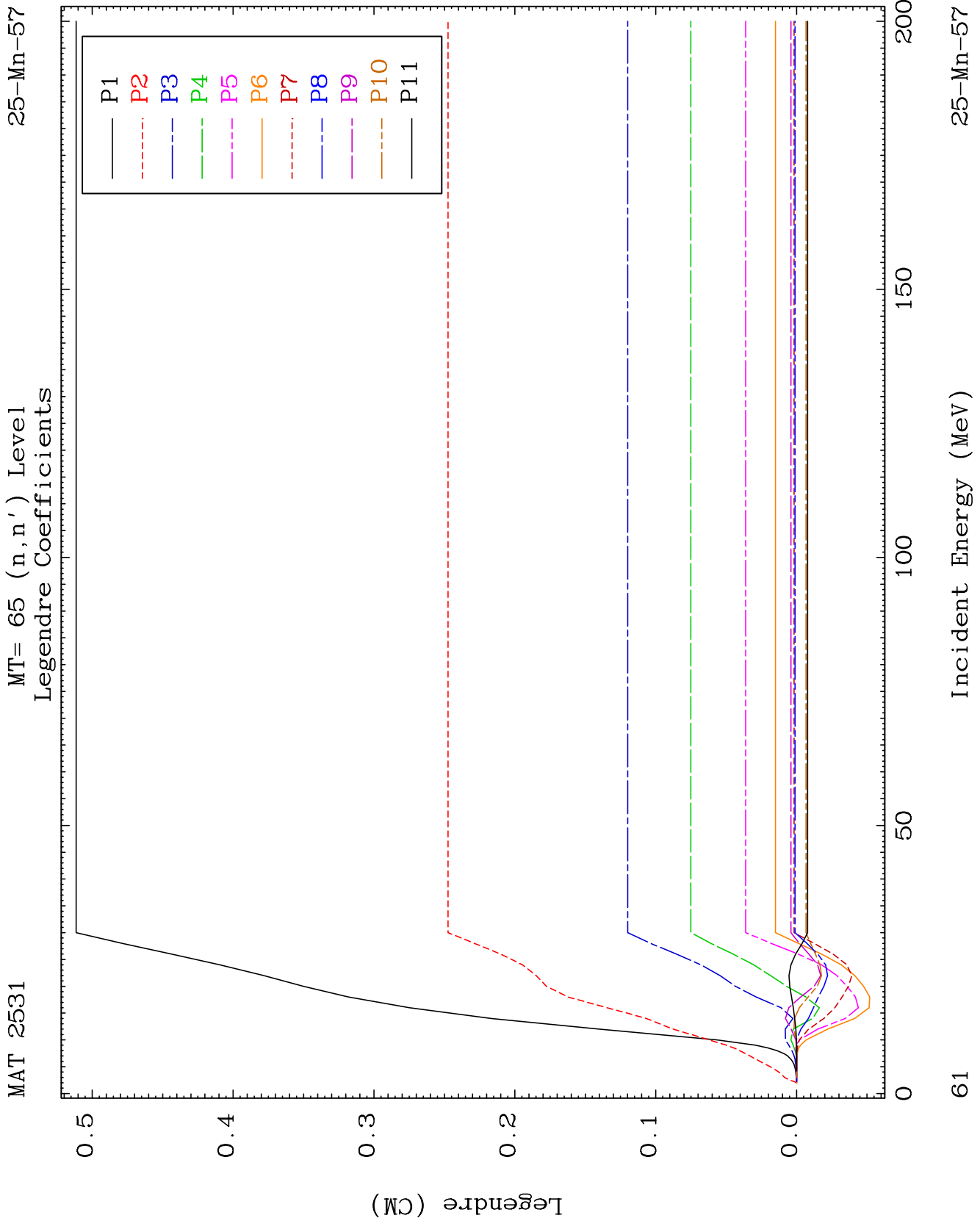
25-Mn-57

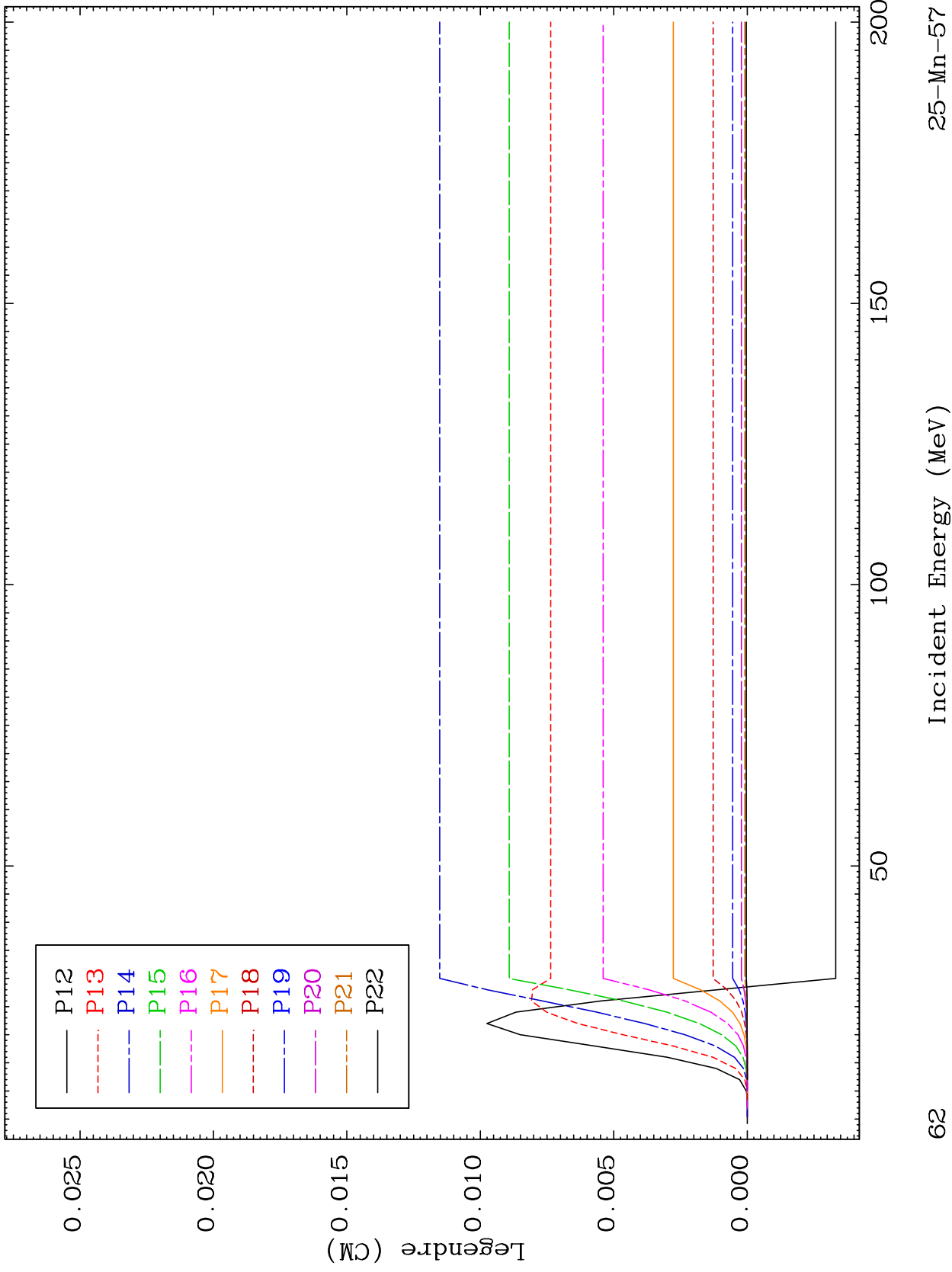


25-Mn-57

Incident Energy (MeV)

60

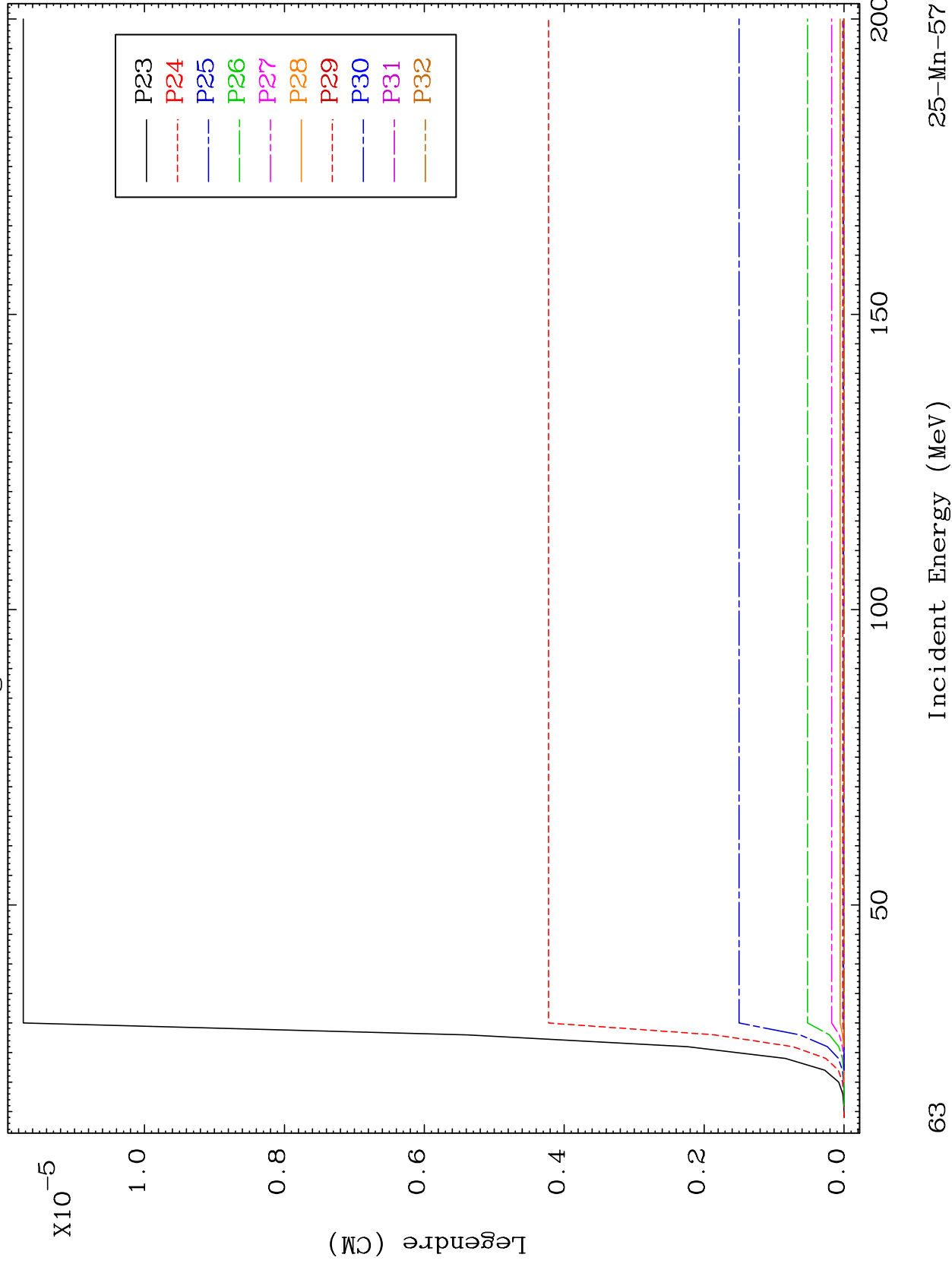


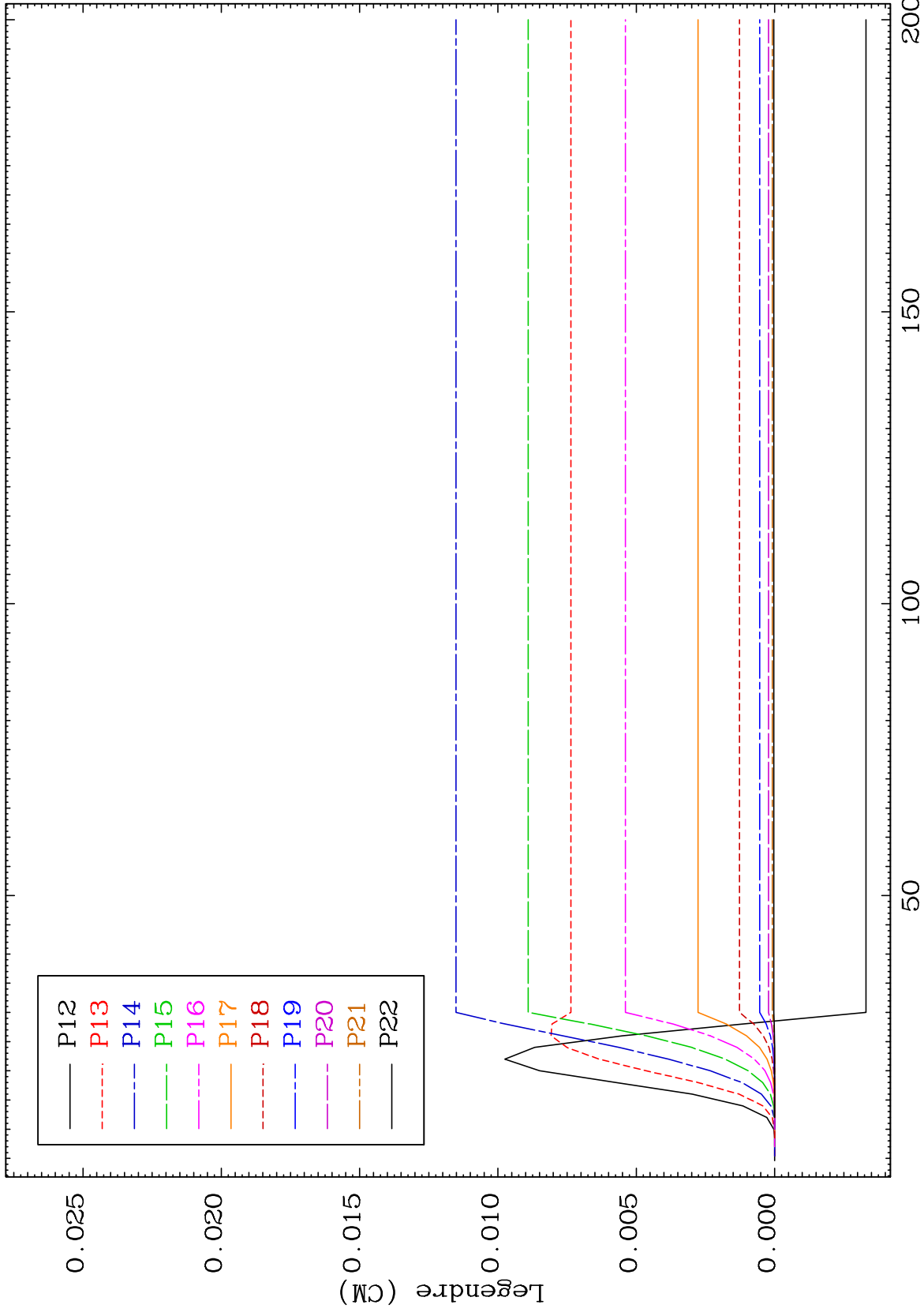


MAT 2531

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

25-Mn-57

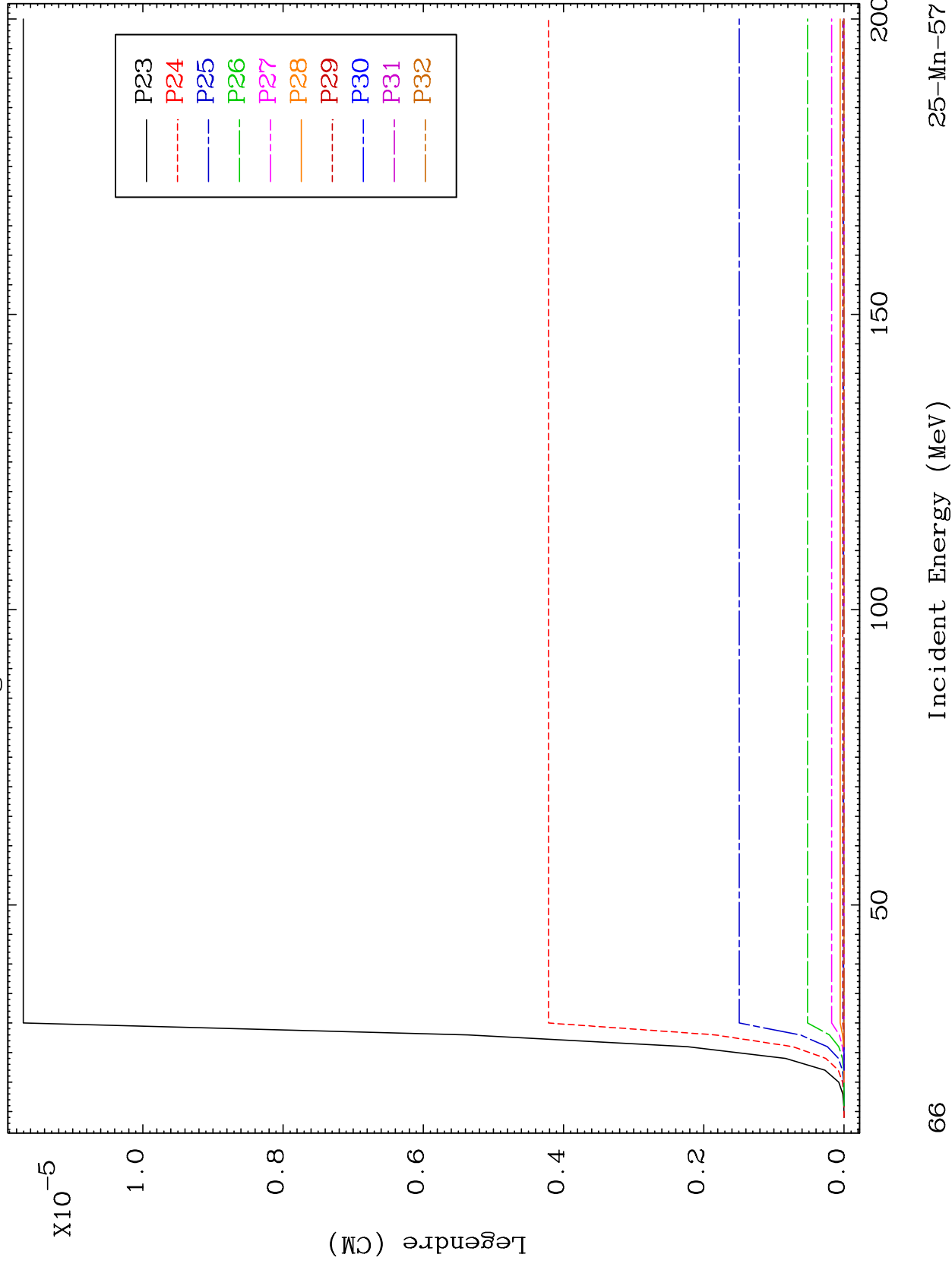




MAT 2531

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

25-Mn-57



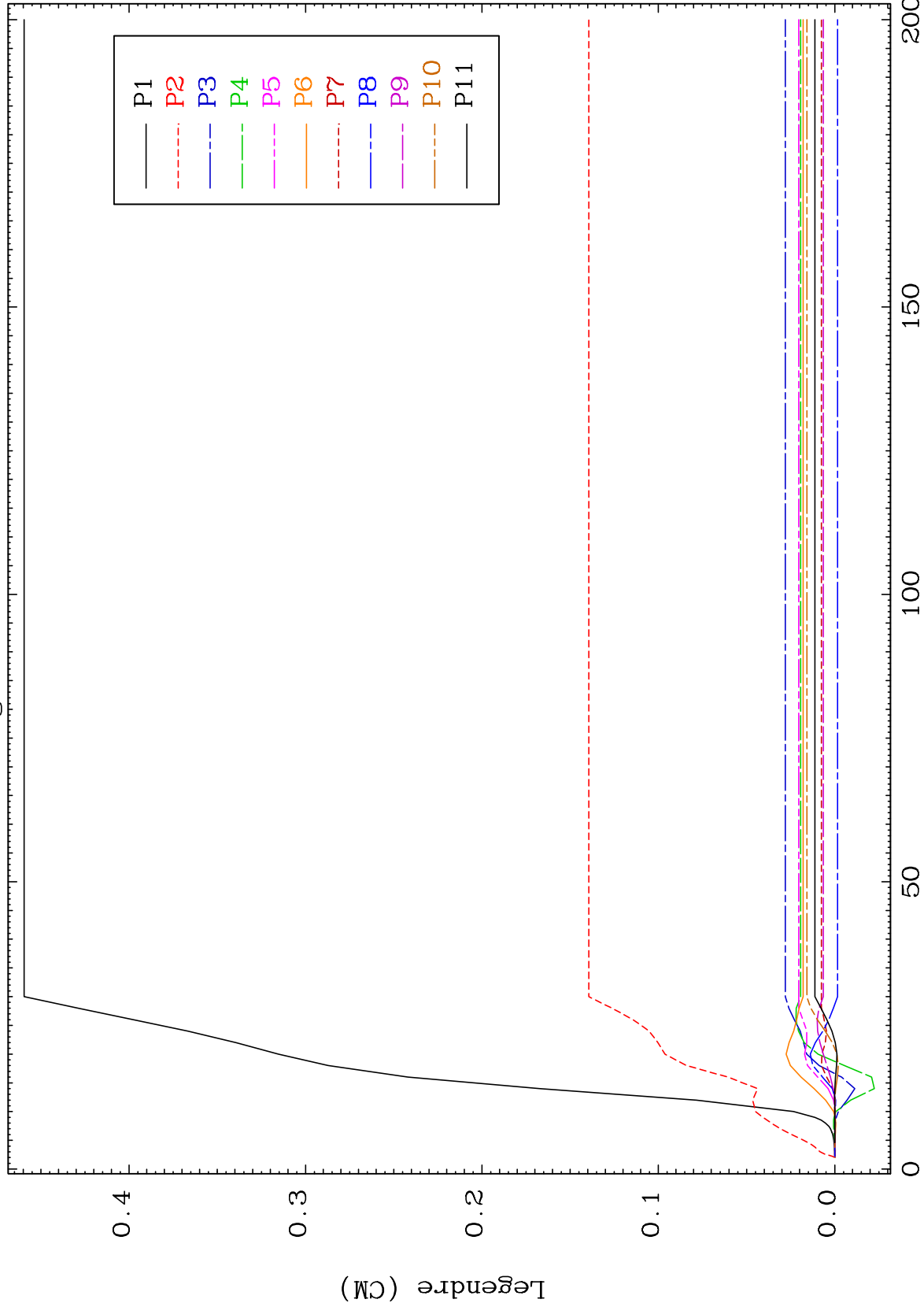
66

25-Mn-57

MAT 2531

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

25-Mn-57



67

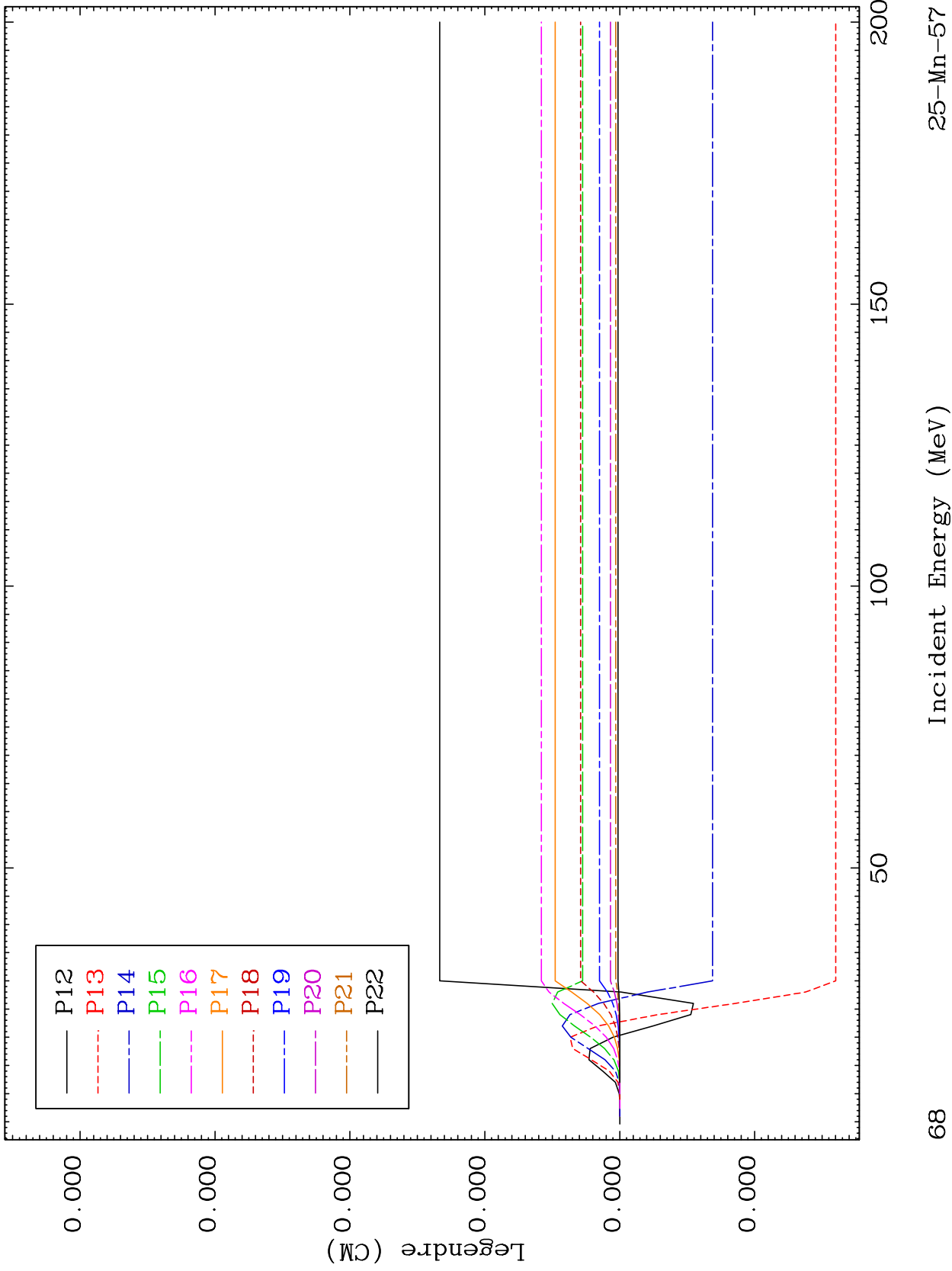
Incident Energy (MeV)

25-Mn-57

MAT 2531

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

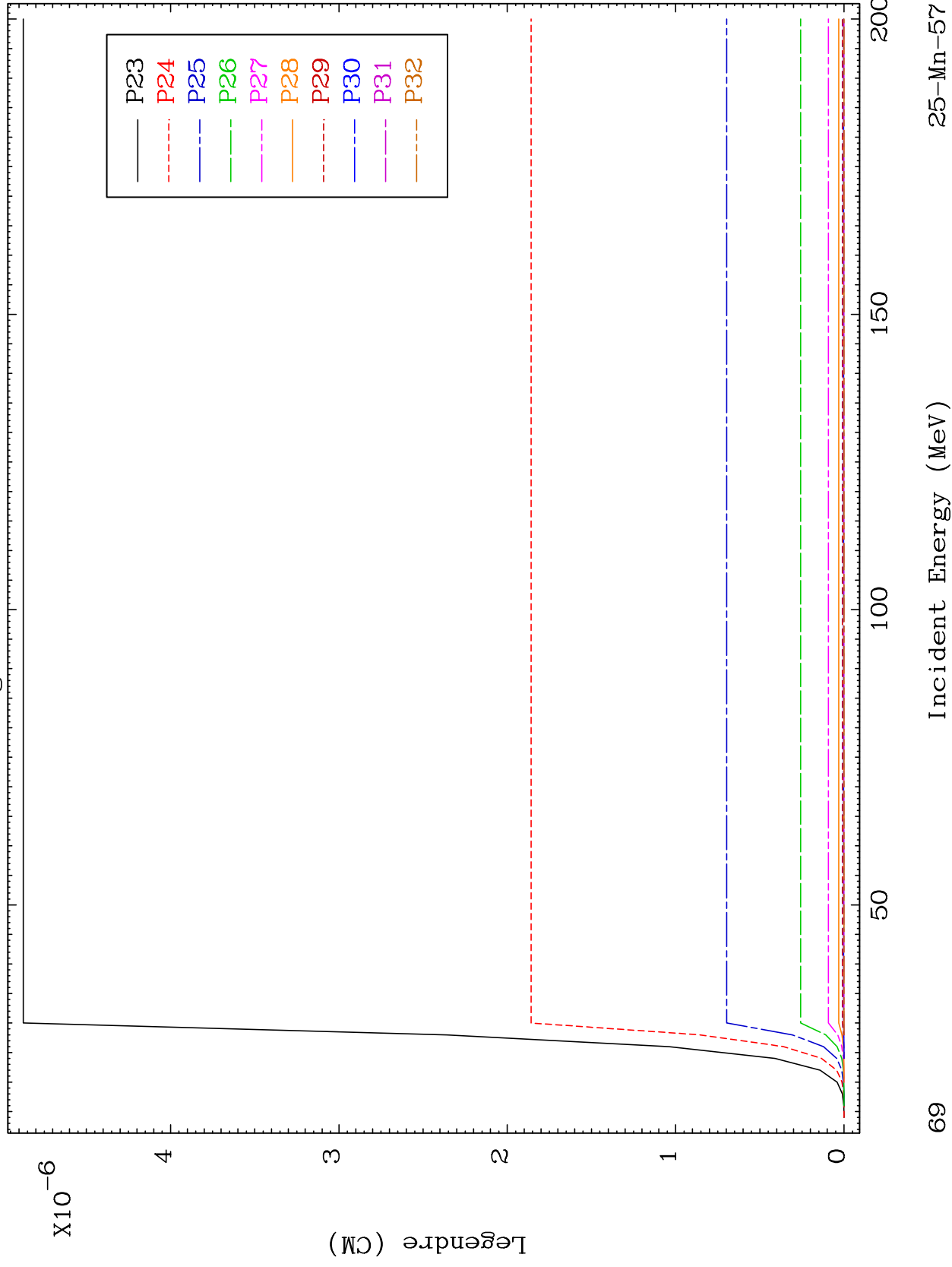
25-Mn-57



MAT 2531

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

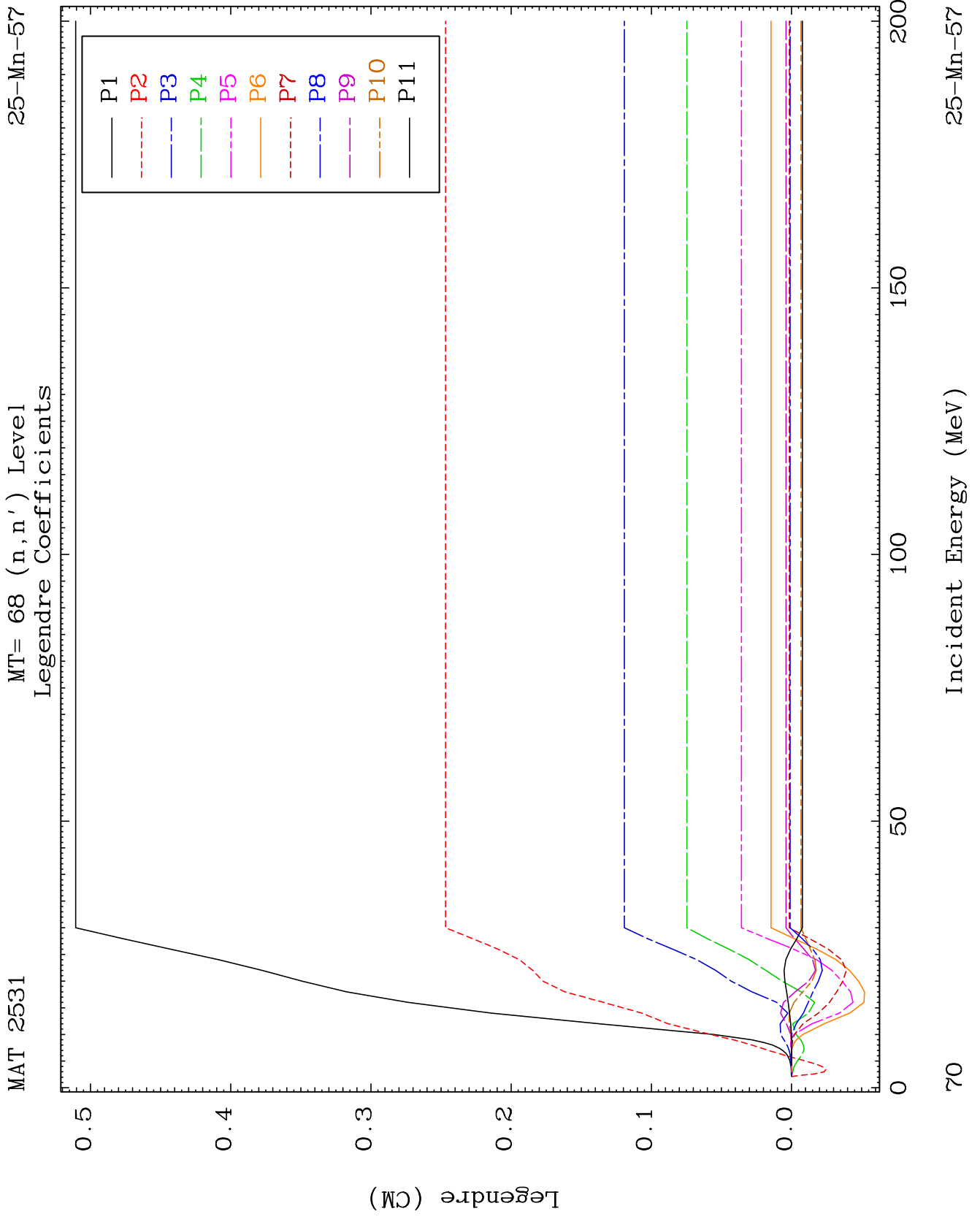
25-Mn-57

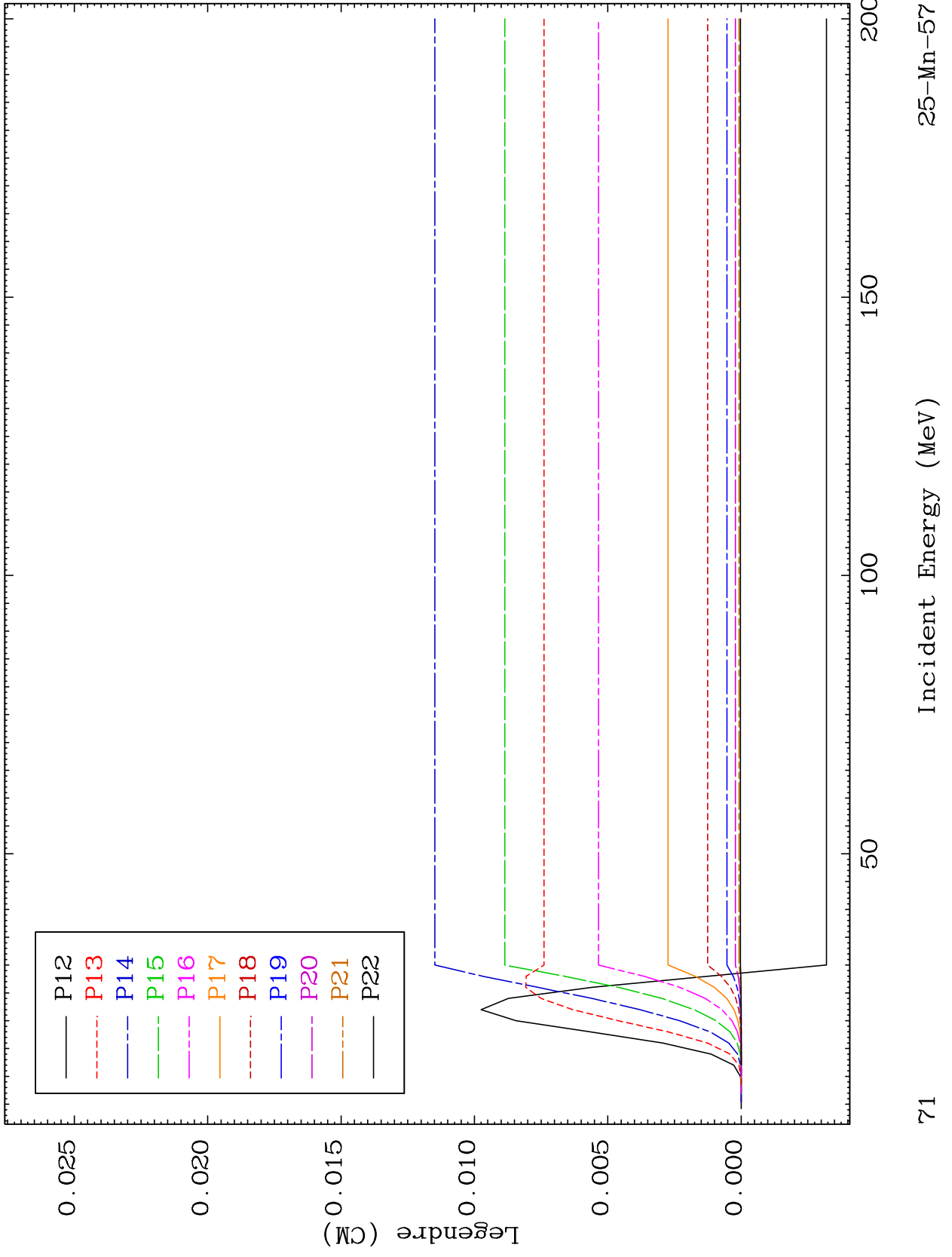


69

Incident Energy (MeV)

25-Mn-57

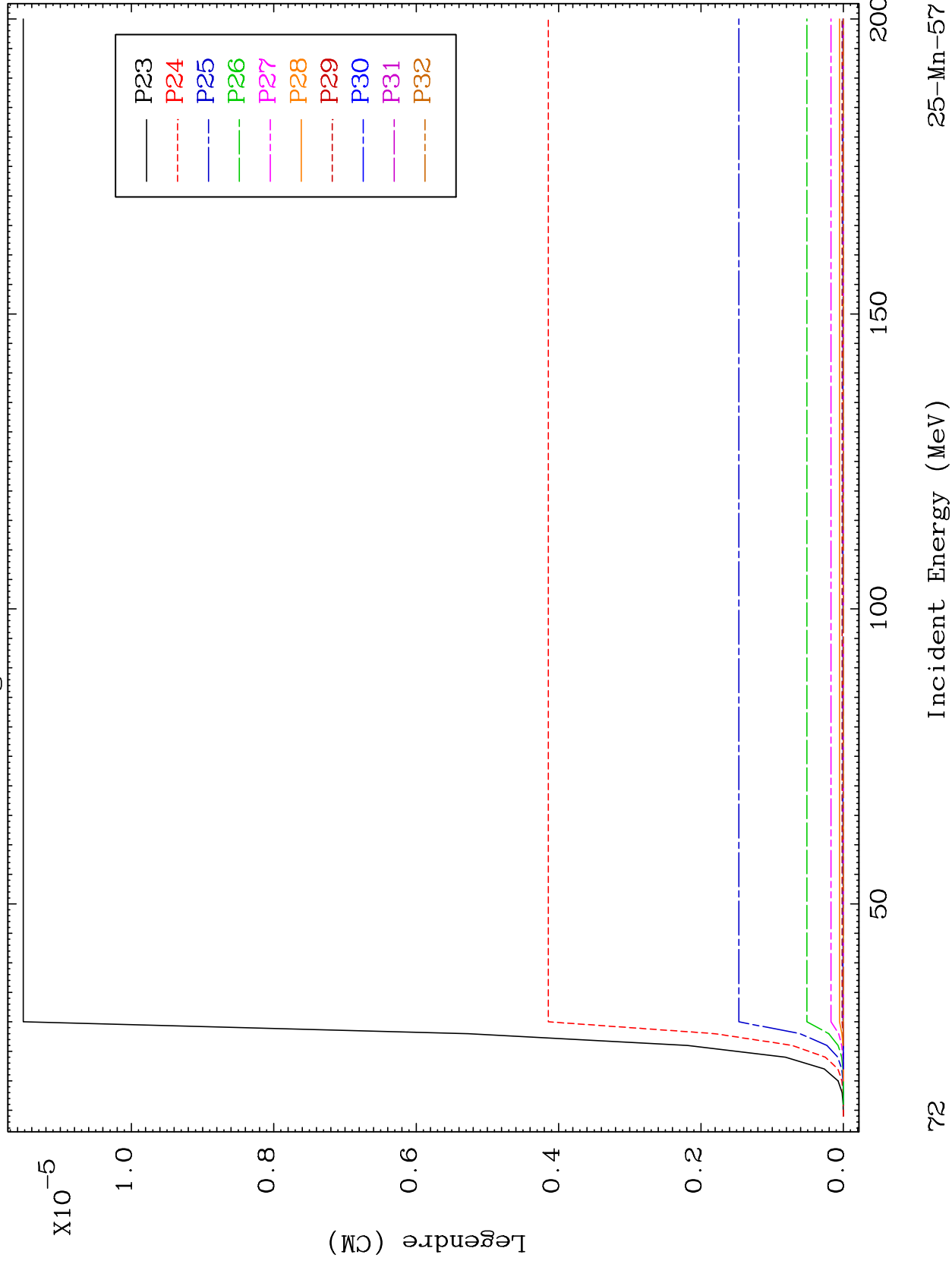




MAT 2531

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

25-Mn-57



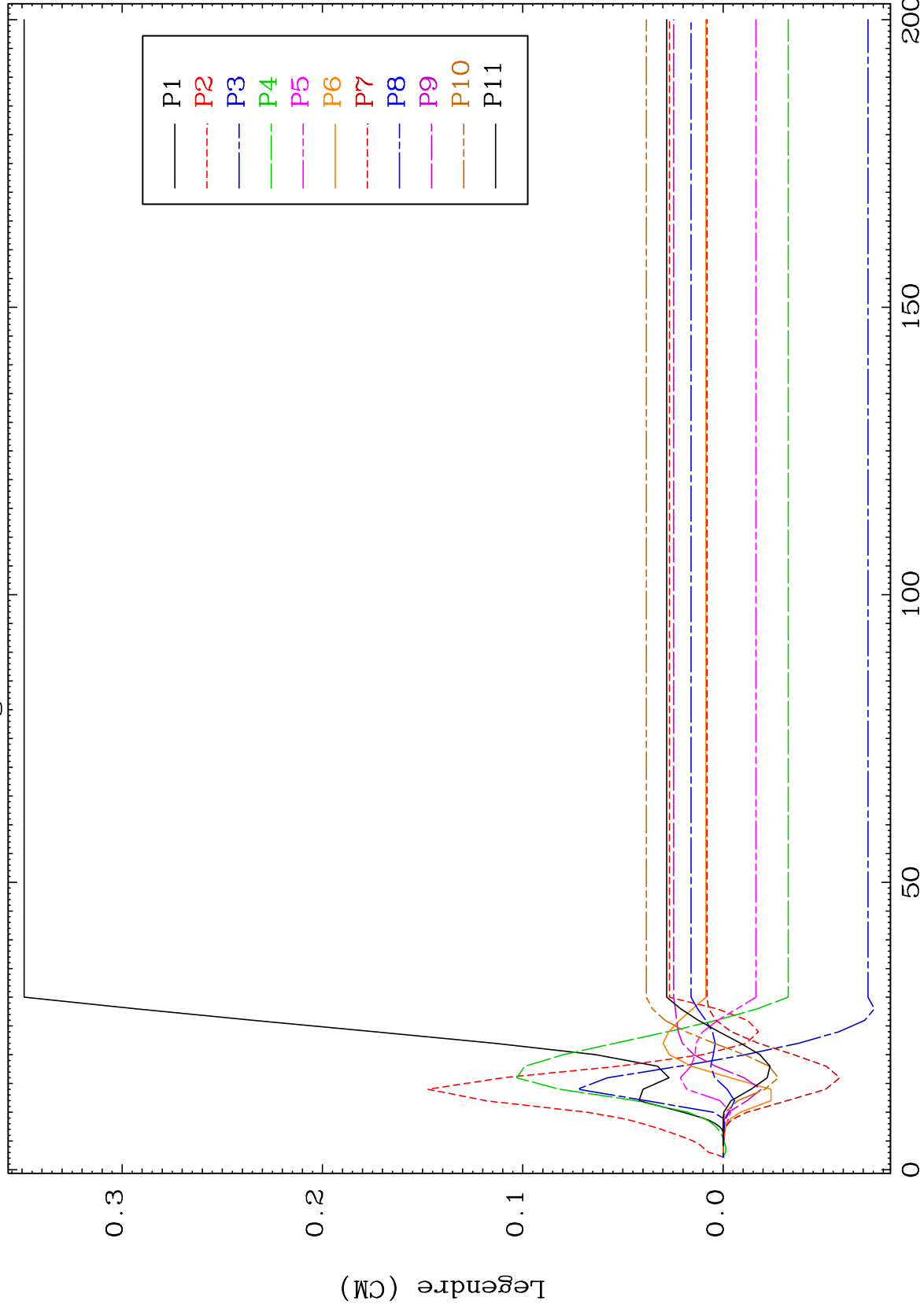
72

25-Mn-57

MAT 2531

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

25-Mn-57



73

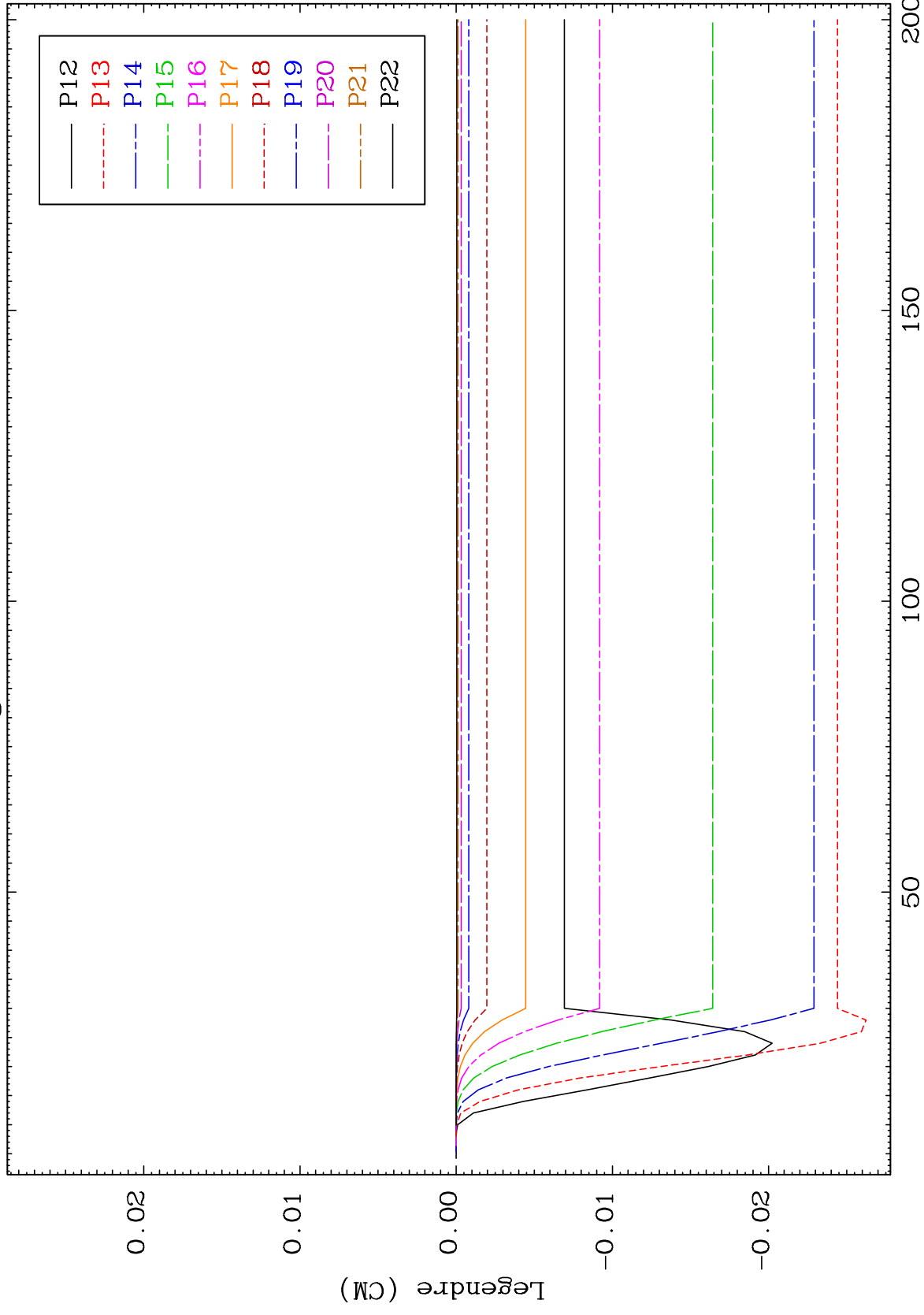
Incident Energy (MeV)

25-Mn-57

MAT 2531

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

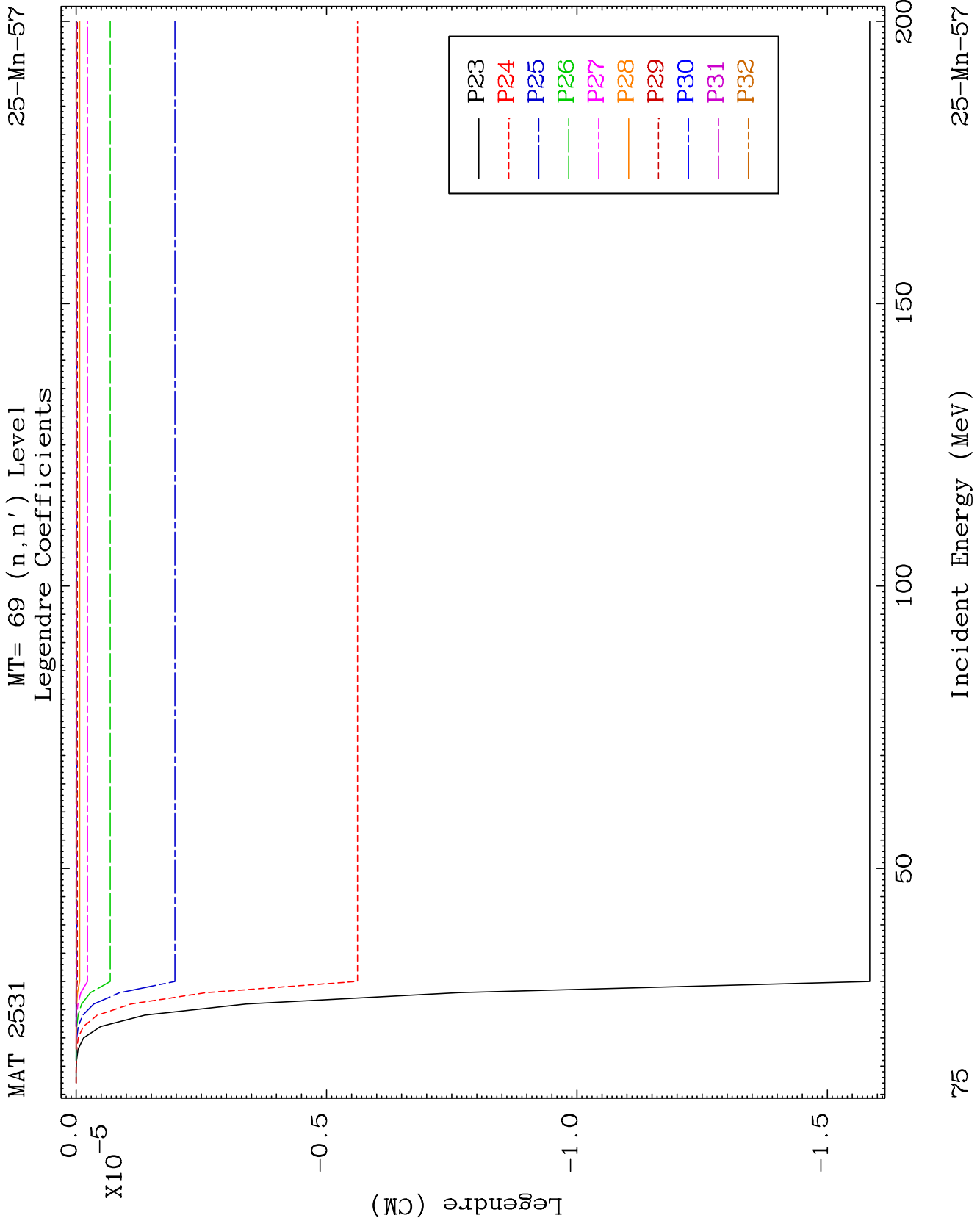
25-Mn-57

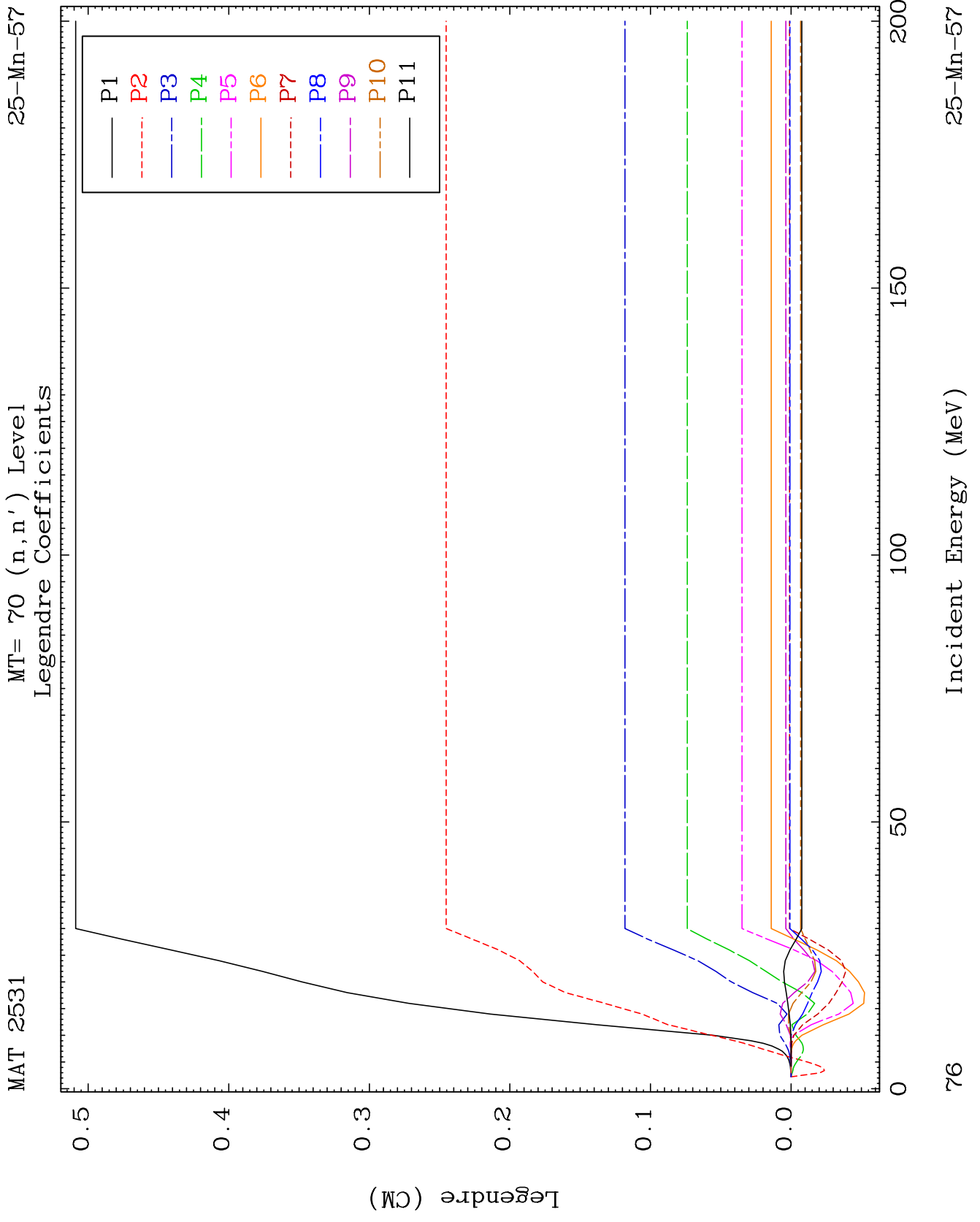


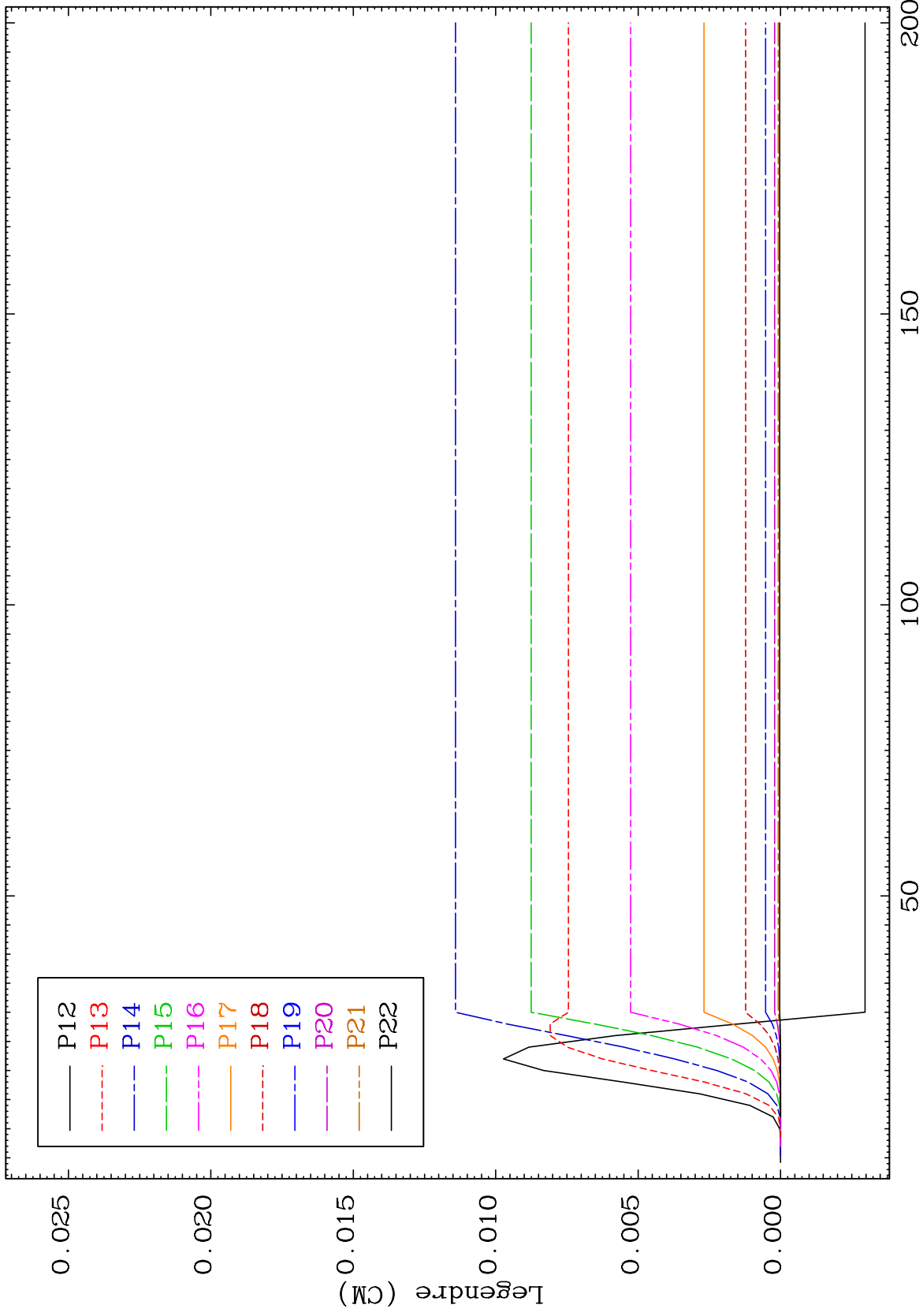
74

Incident Energy (MeV)

25-Mn-57



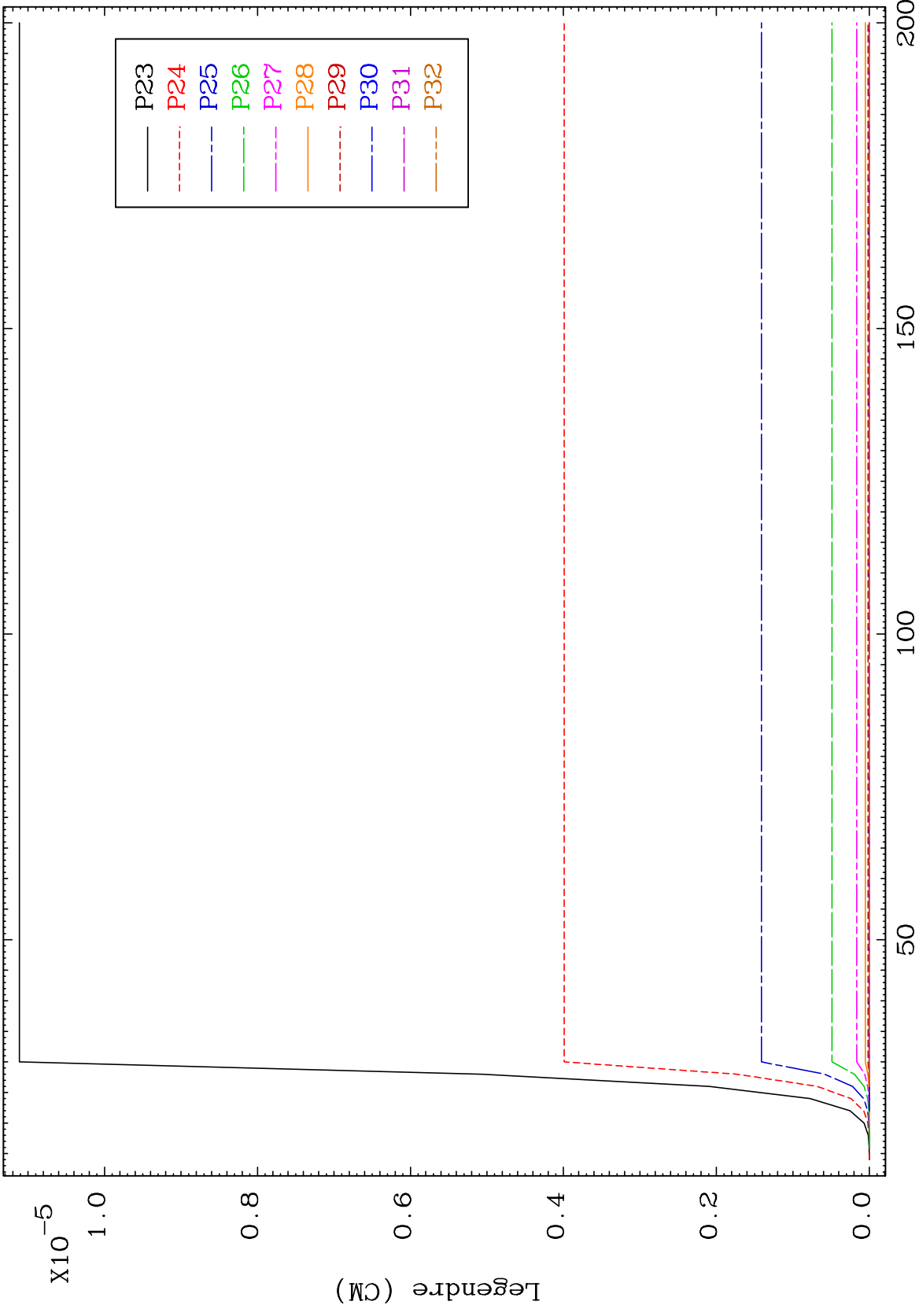




MAT 2531

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

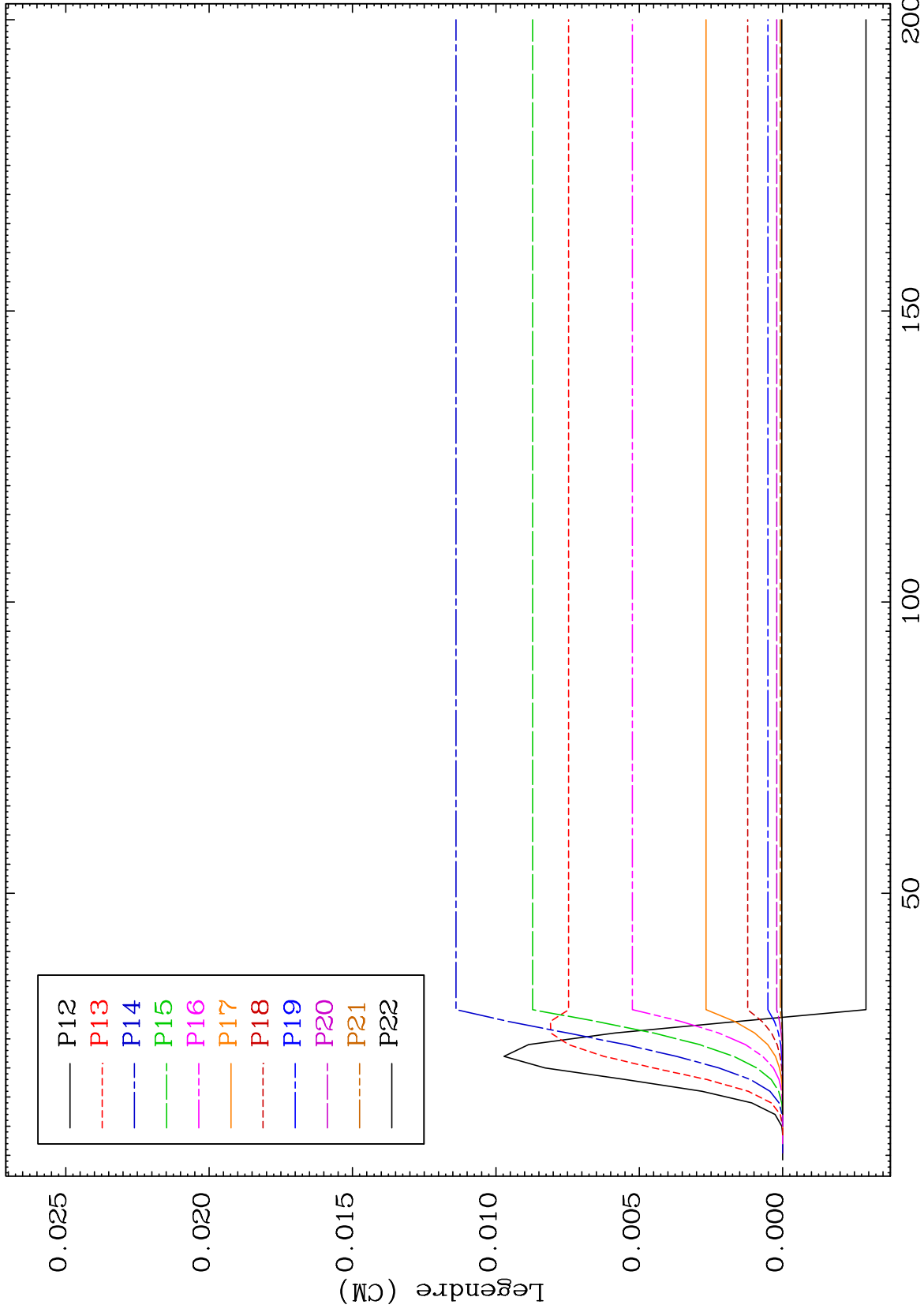
25-Mn-57



25-Mn-57

Incident Energy (MeV)

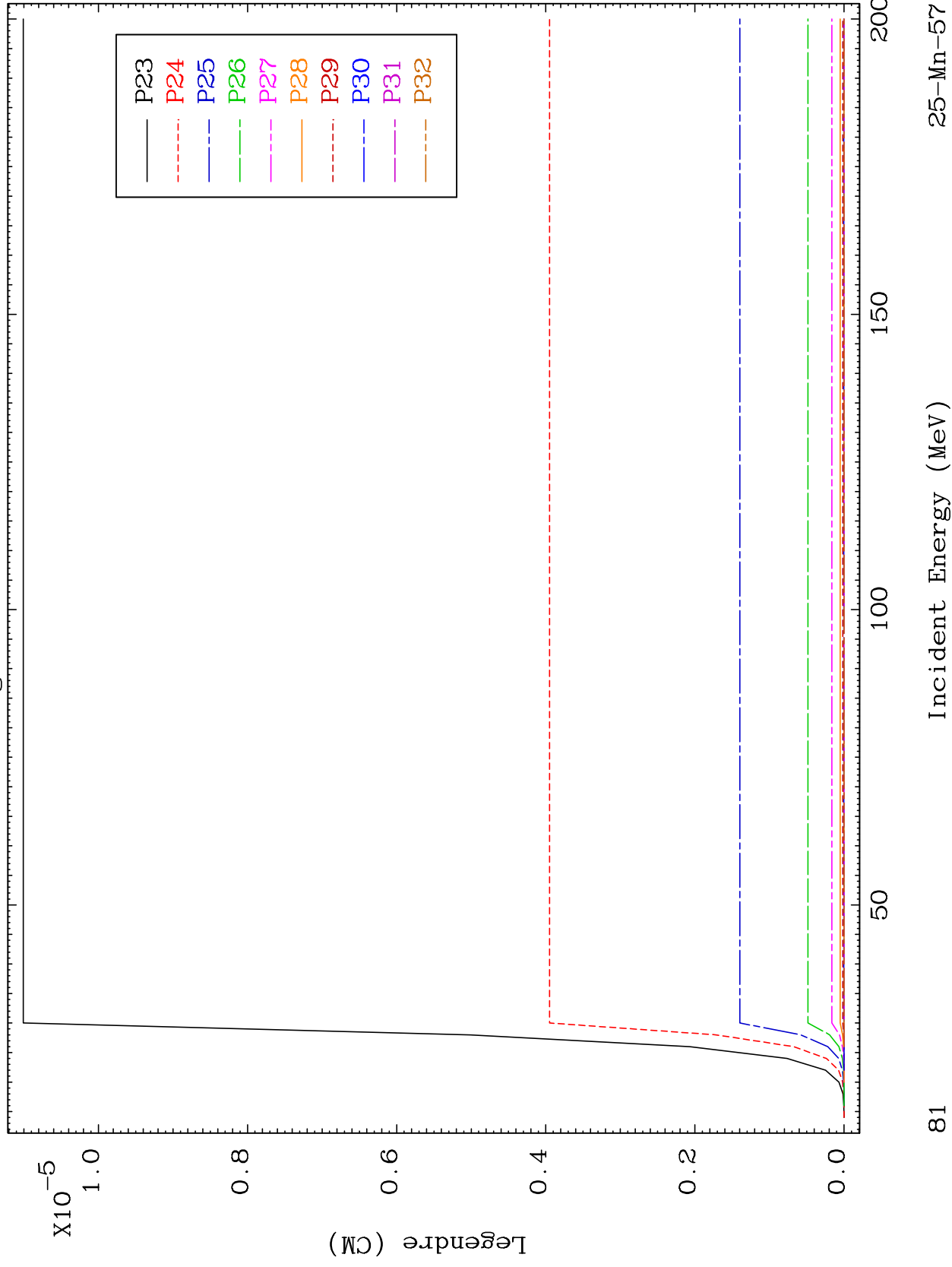
78



MAT 2531

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

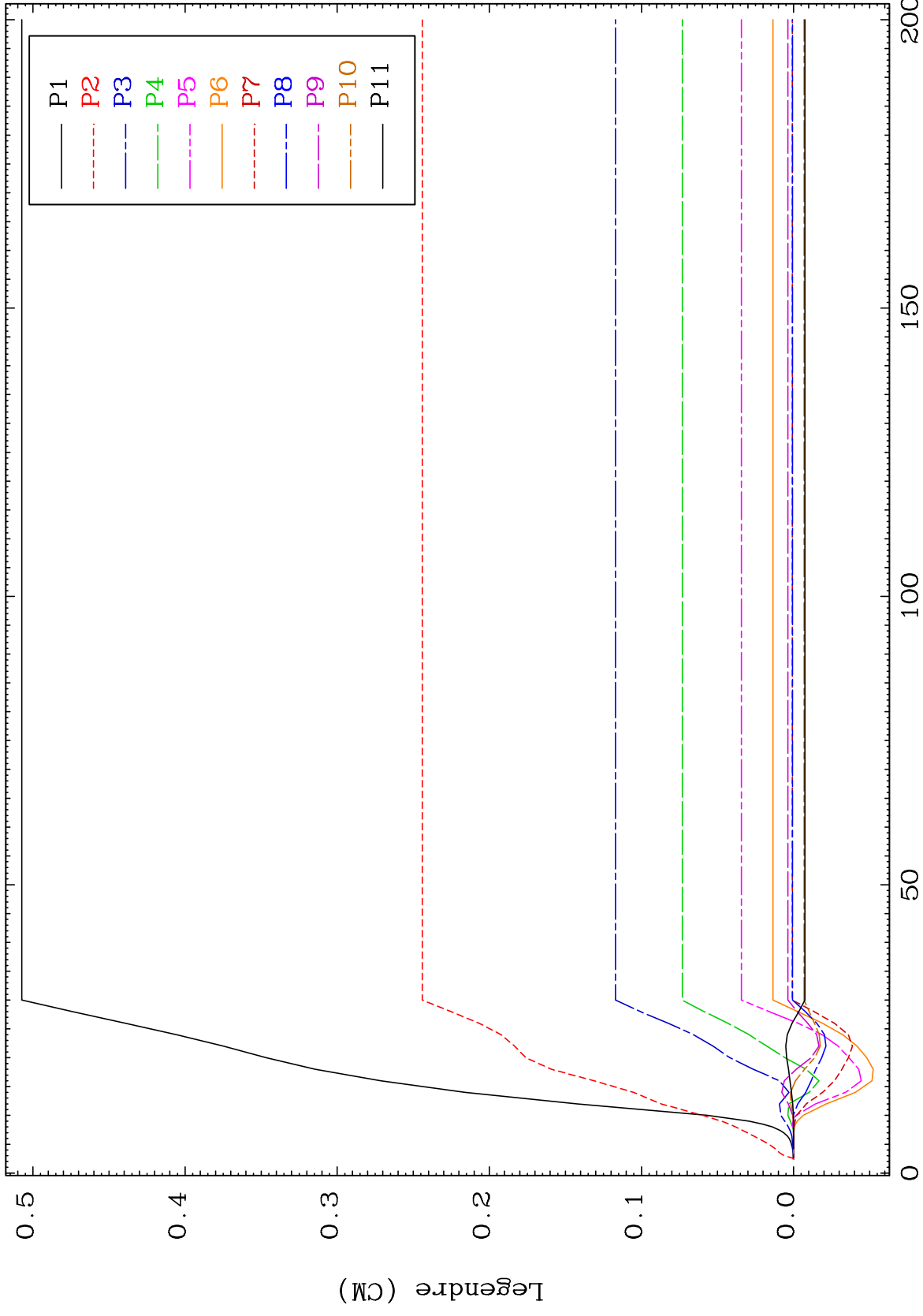
25-Mn-57



MAT 2531

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

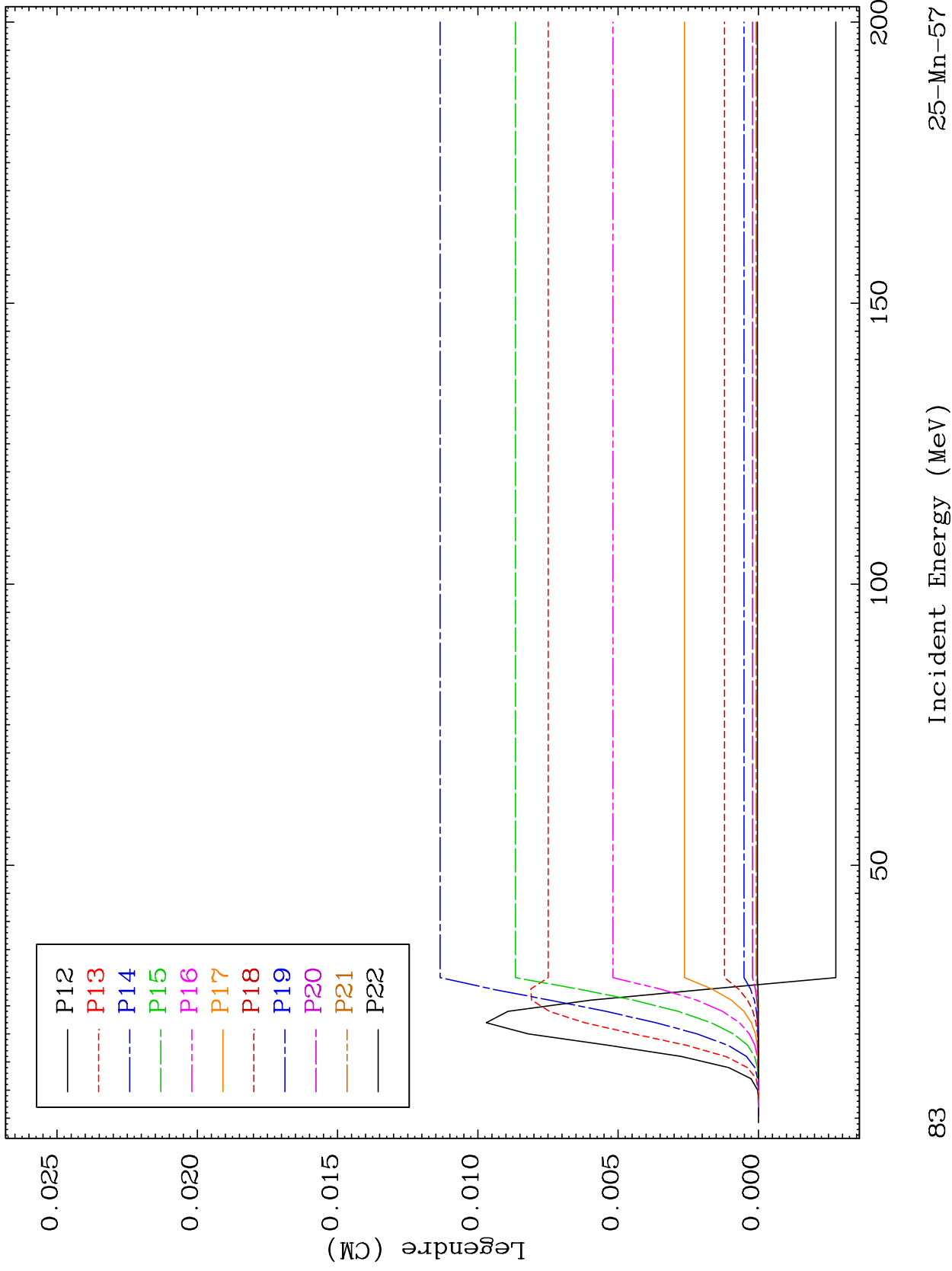
25-Mn-57



82

Incident Energy (MeV)

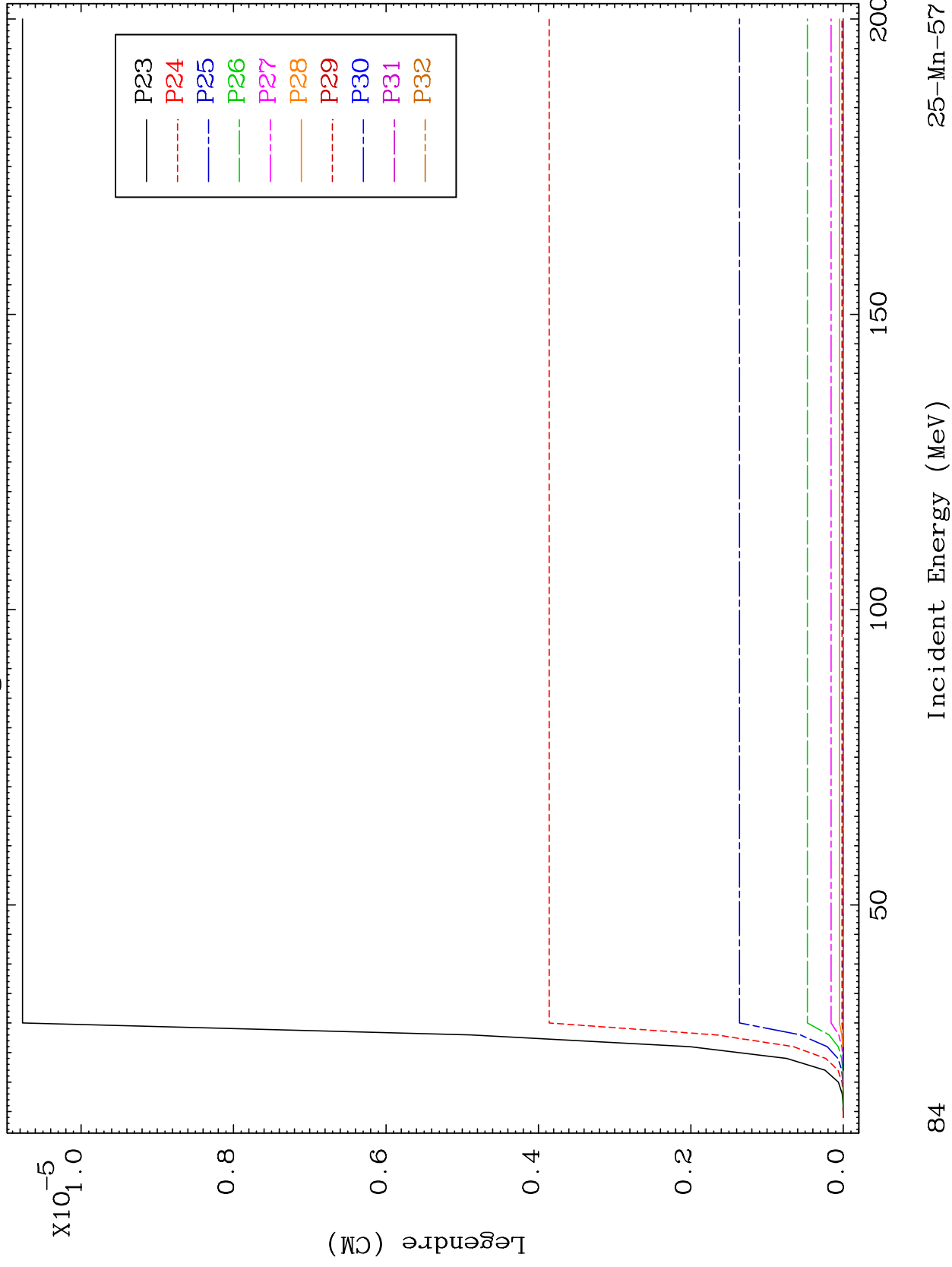
25-Mn-57



MAT 2531

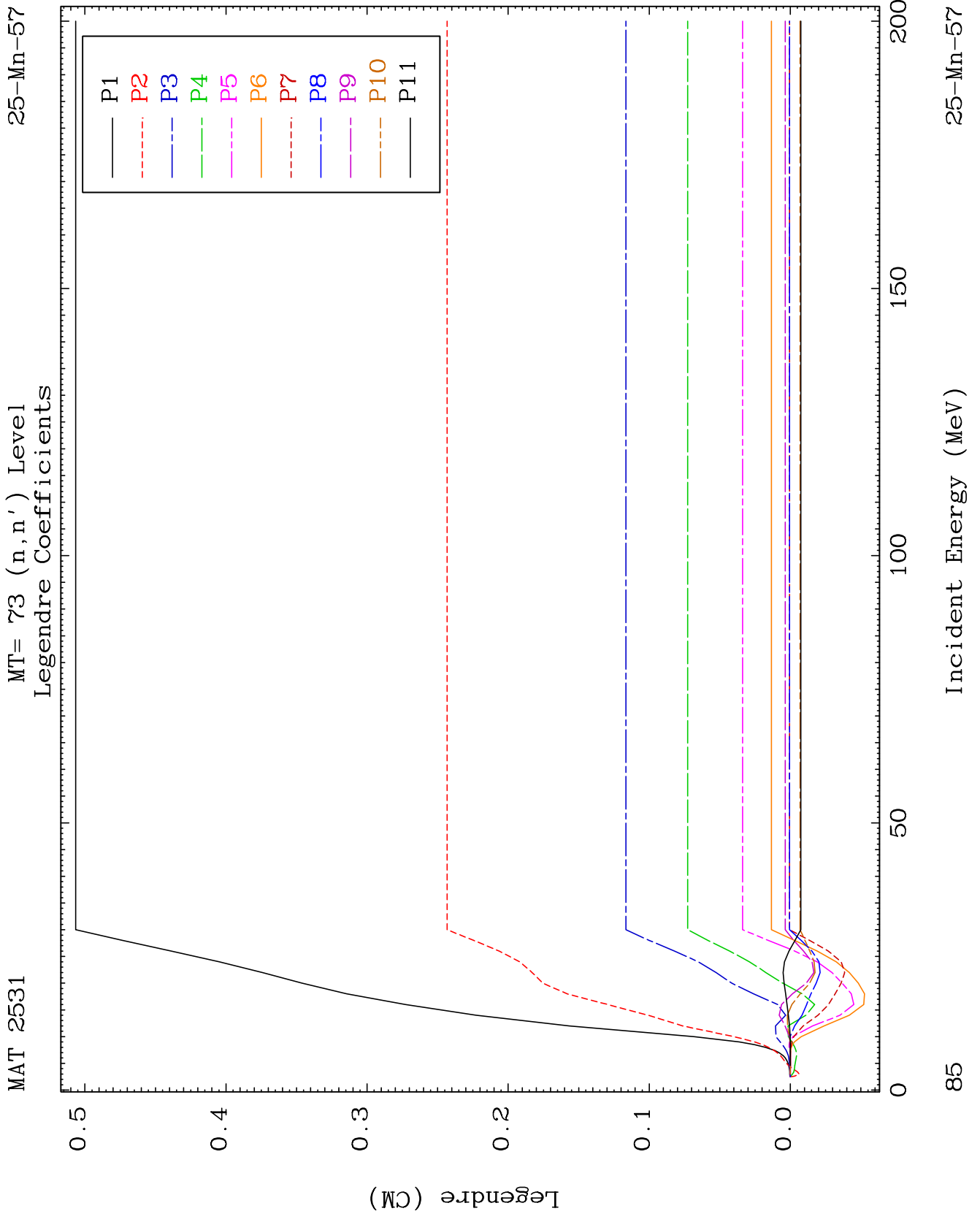
MT= 72 (n,n') Level
Legendre Coefficients

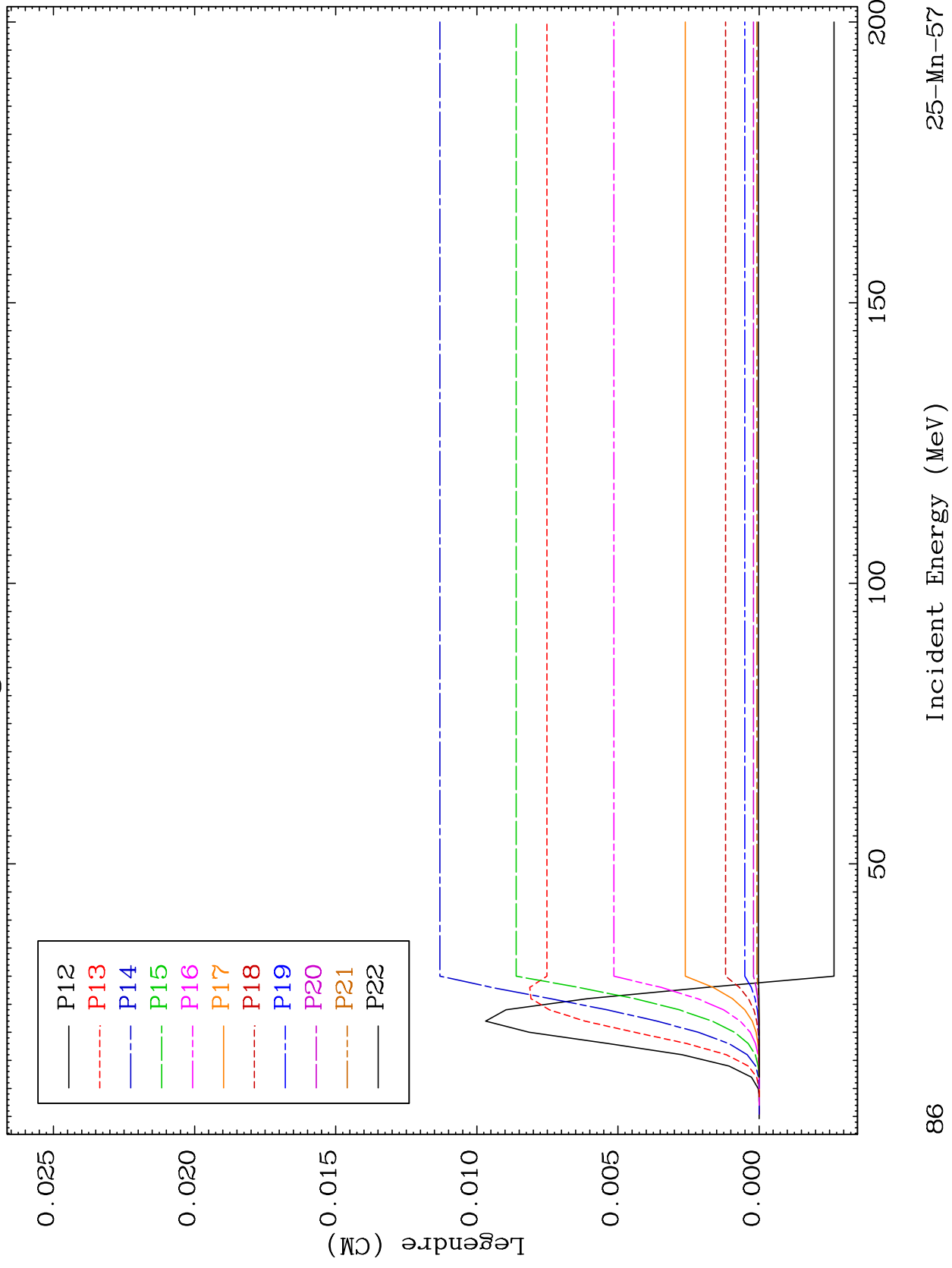
25-Mn-57



84

25-Mn-57

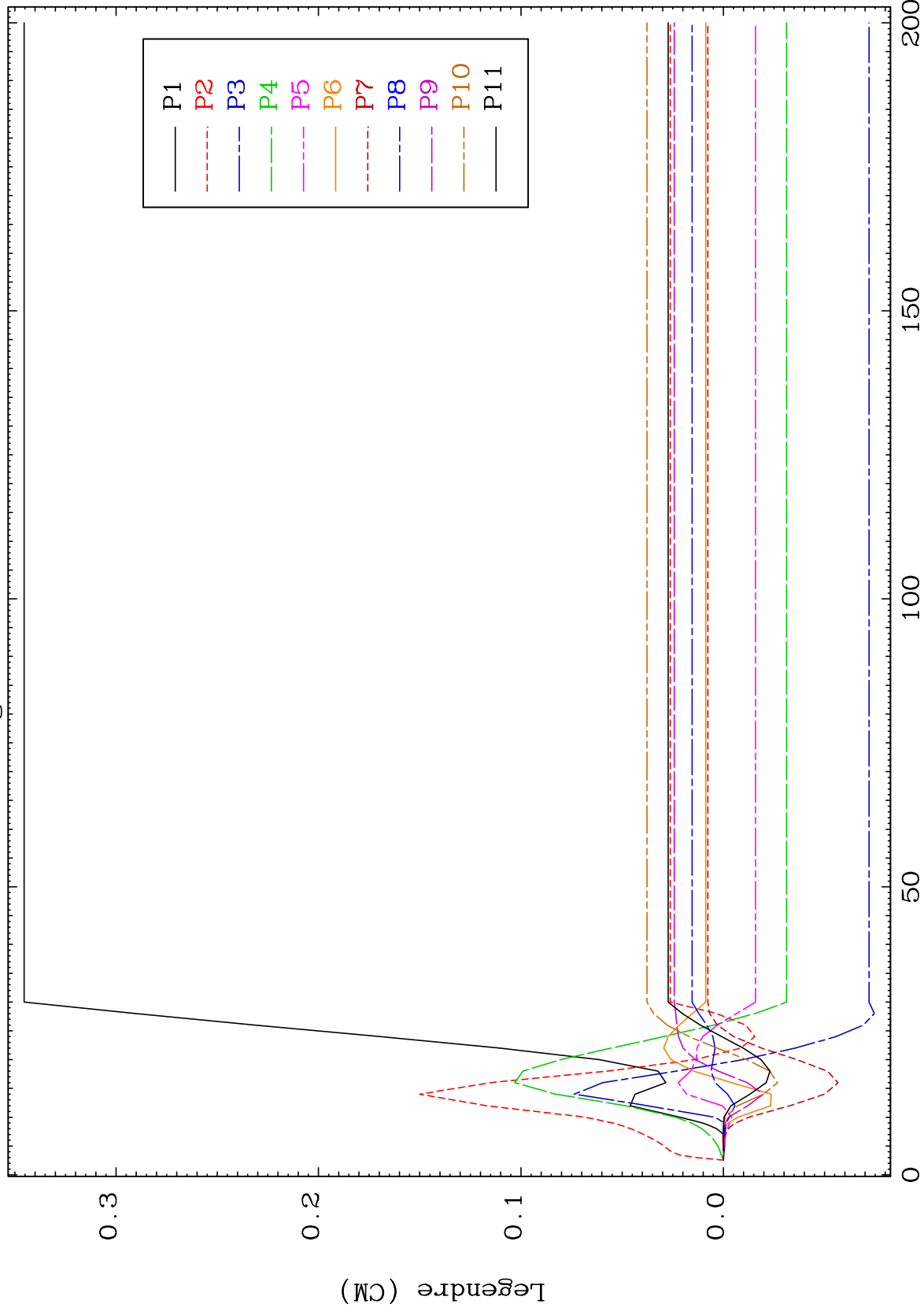




MAT 2531

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

25-Mn-57



88

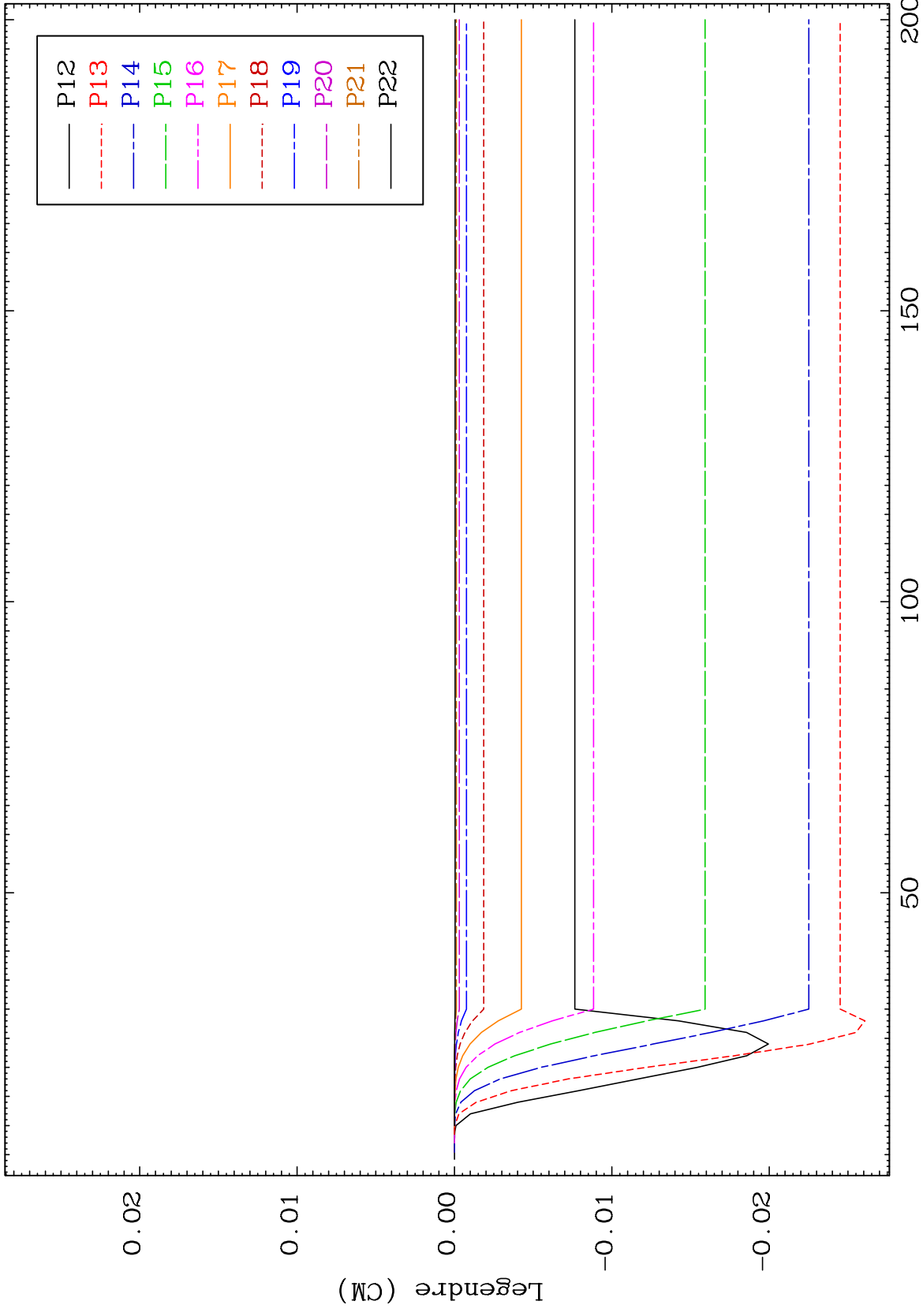
Incident Energy (MeV)

25-Mn-57

MAT 2531

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

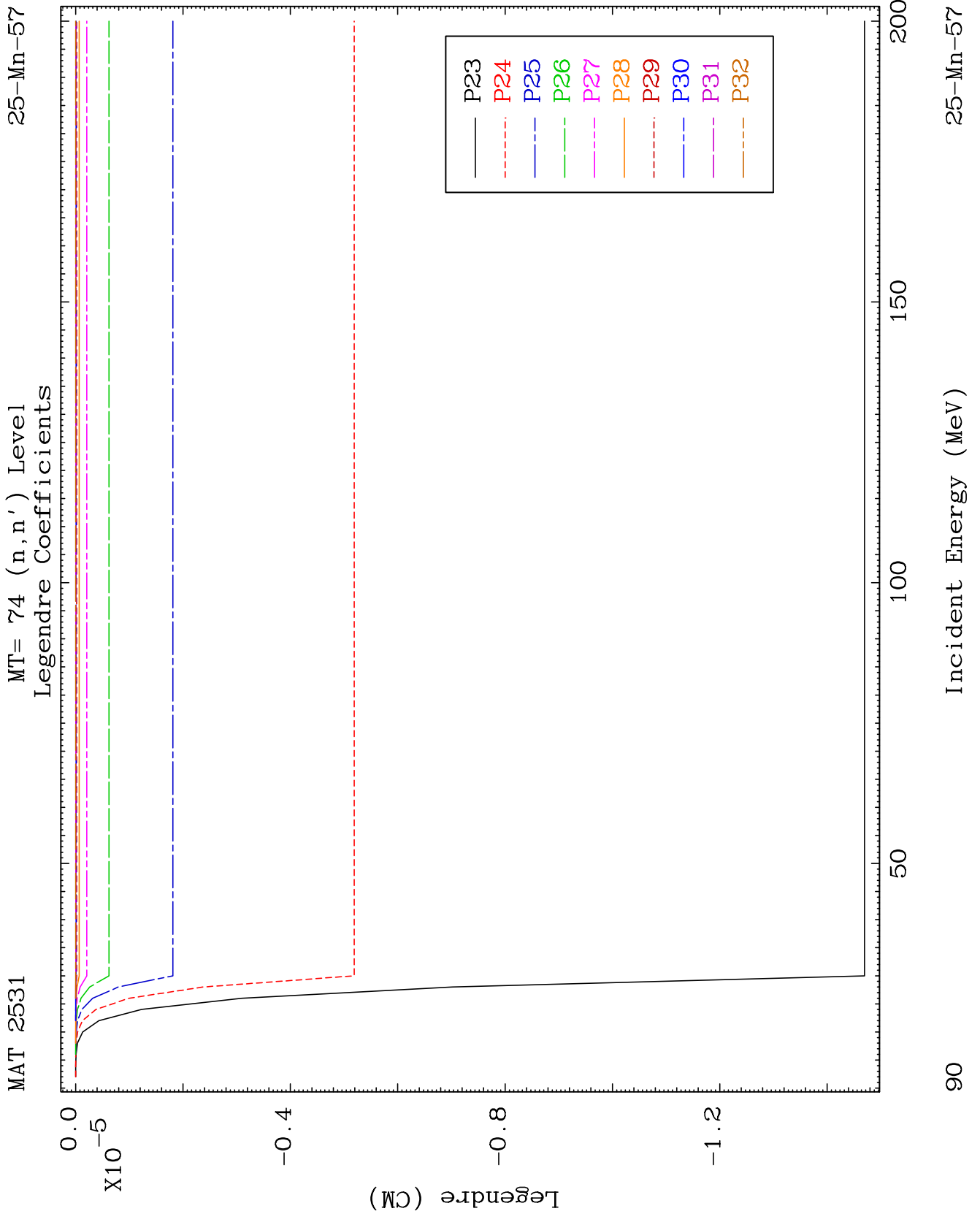
25-Mn-57



89

Incident Energy (MeV)

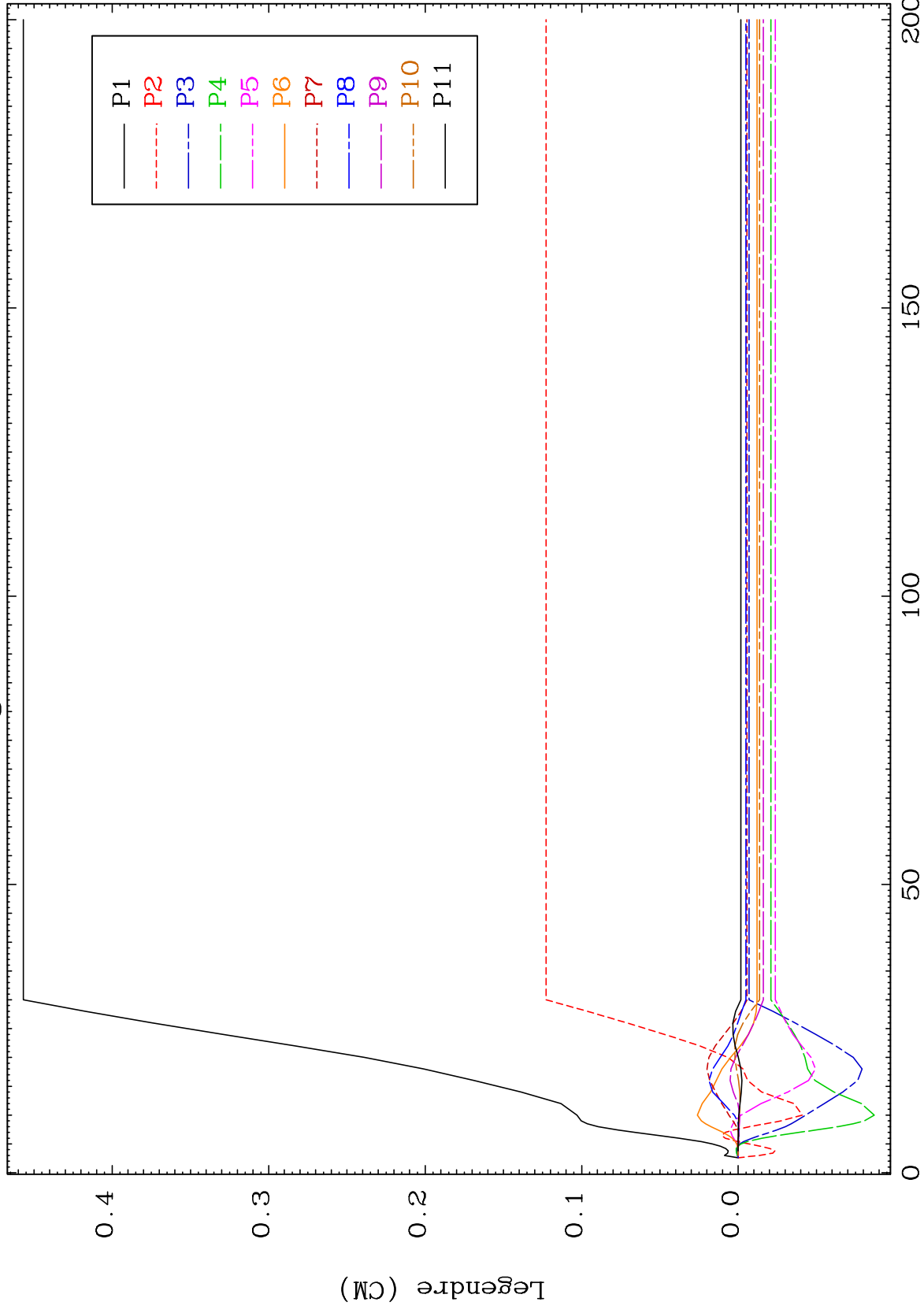
25-Mn-57



MAT 2531

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

25-Mn-57



91

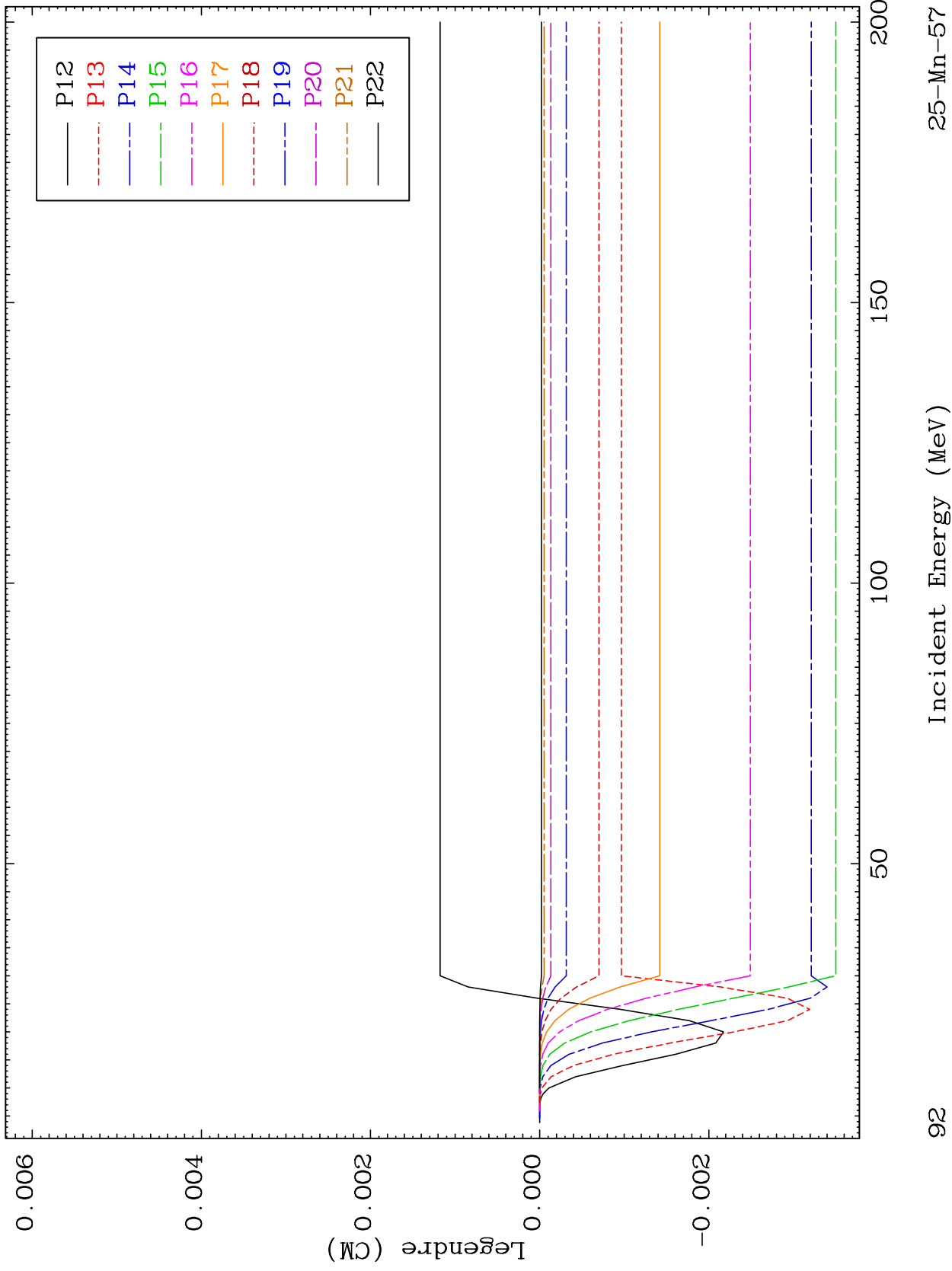
Incident Energy (MeV)

25-Mn-57

MAT 2531

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

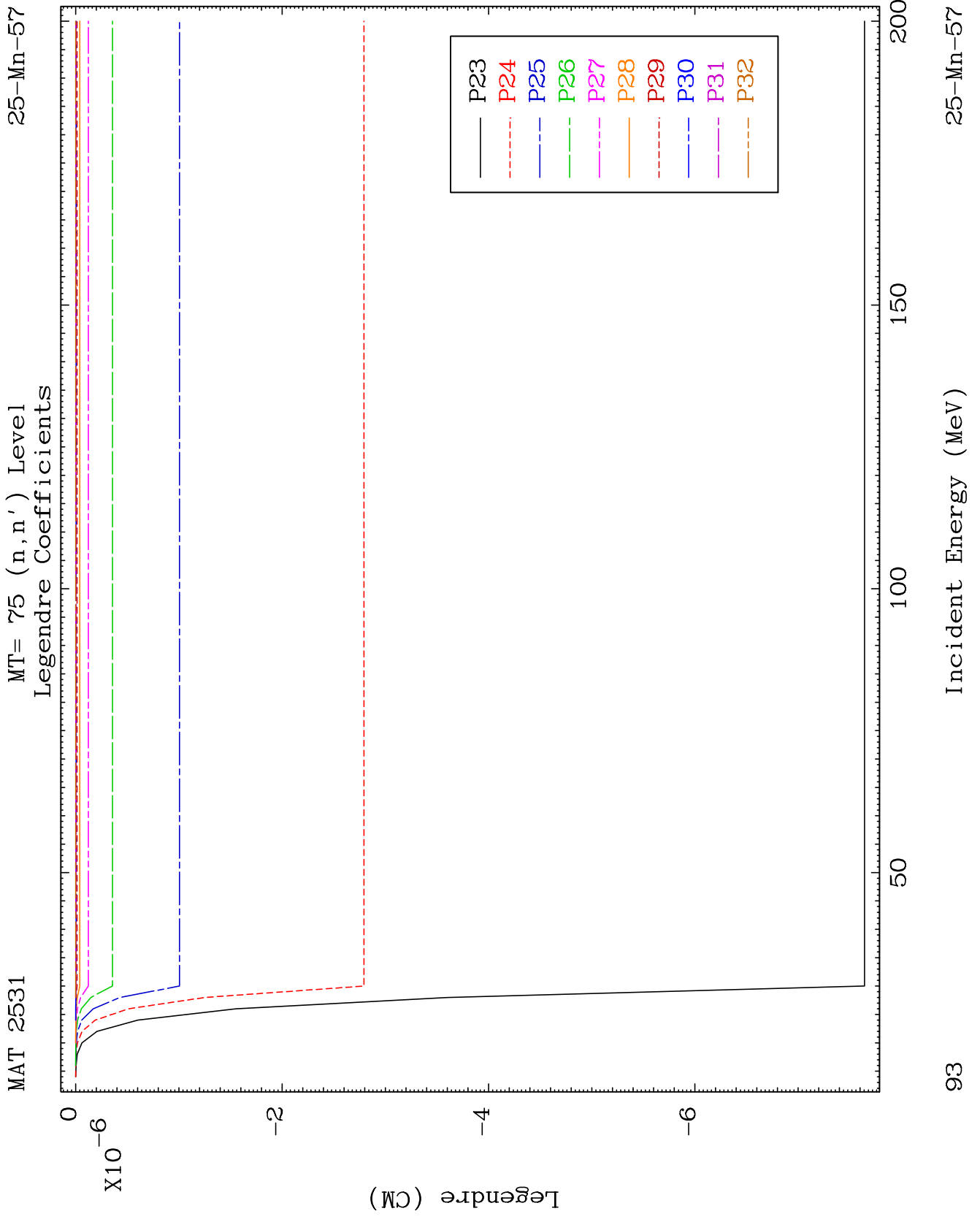
25-Mn-57



92

Incident Energy (MeV)

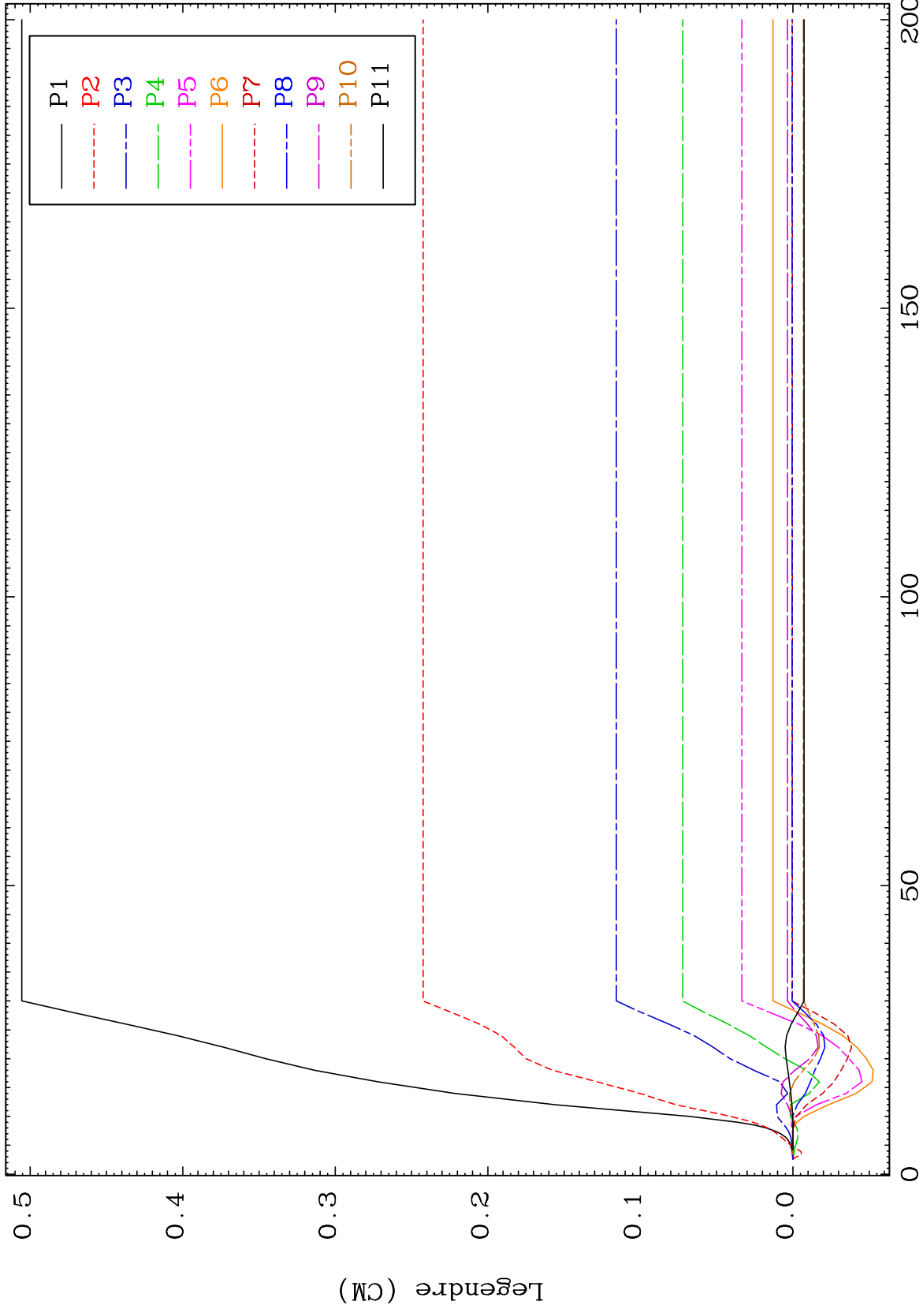
25-Mn-57



MAT 2531

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

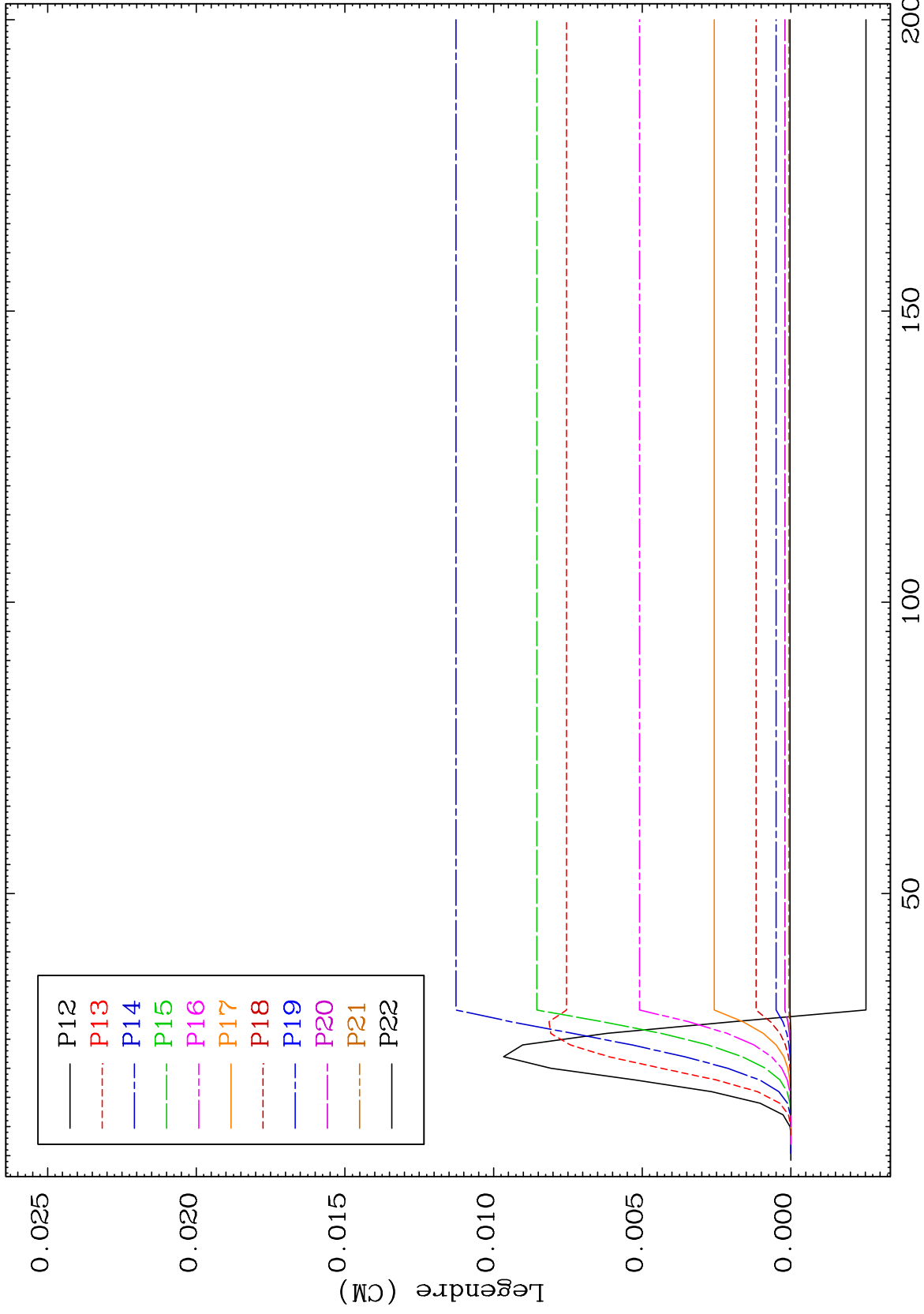
25-Mn-57



94

Incident Energy (MeV)

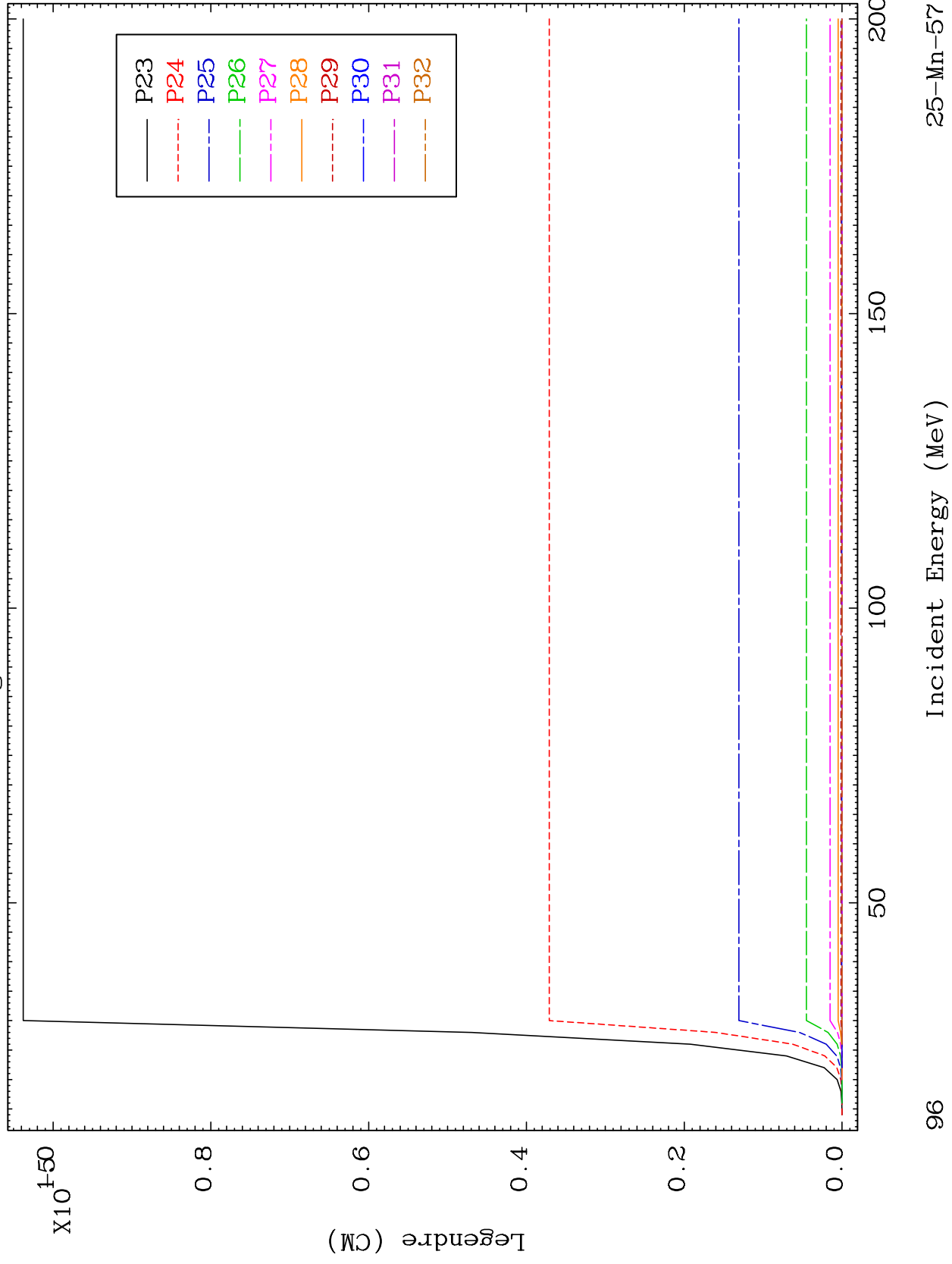
25-Mn-57



MAT 2531

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

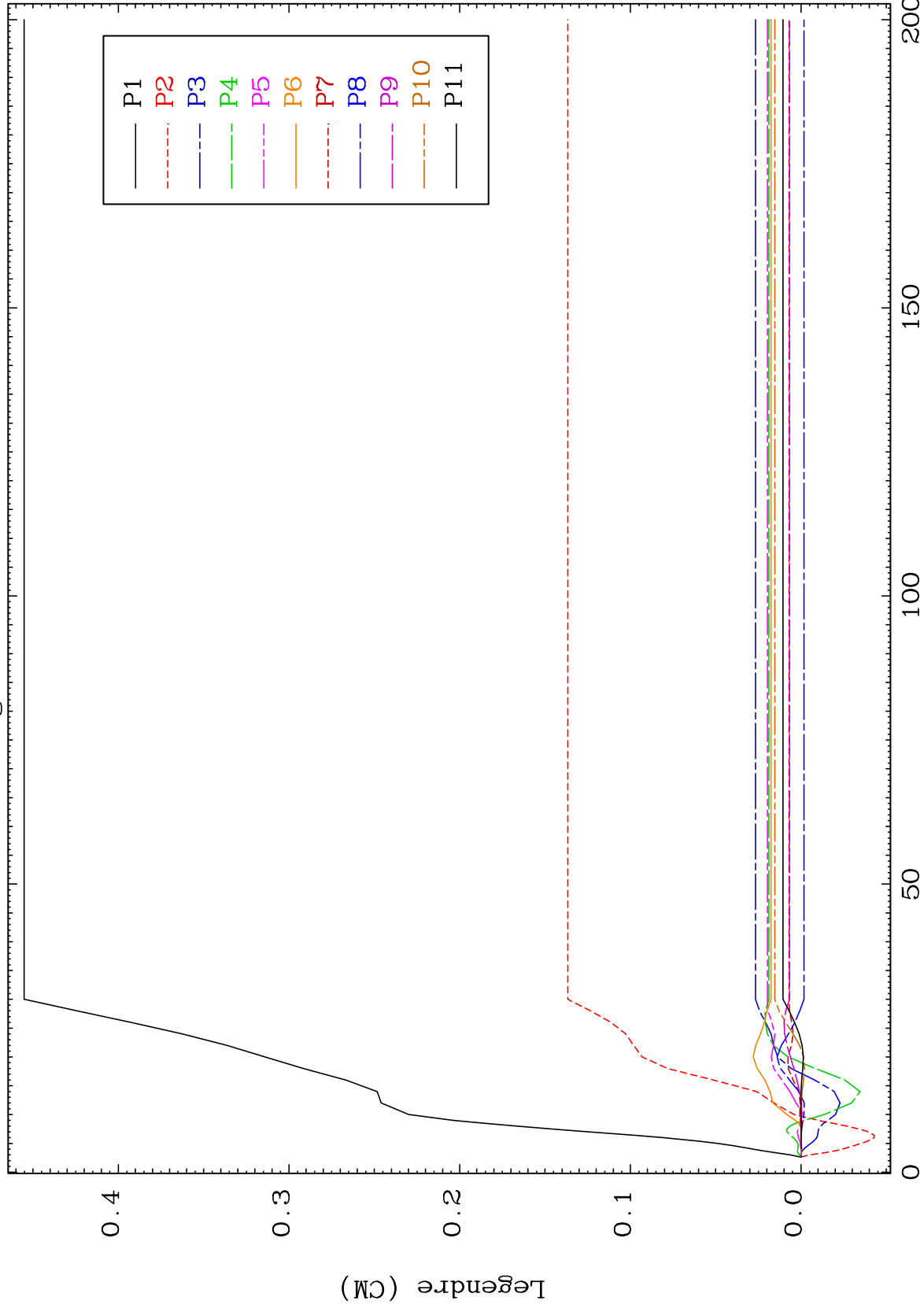
25-Mn-57



MAT 2531

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

25-Mn-57



97

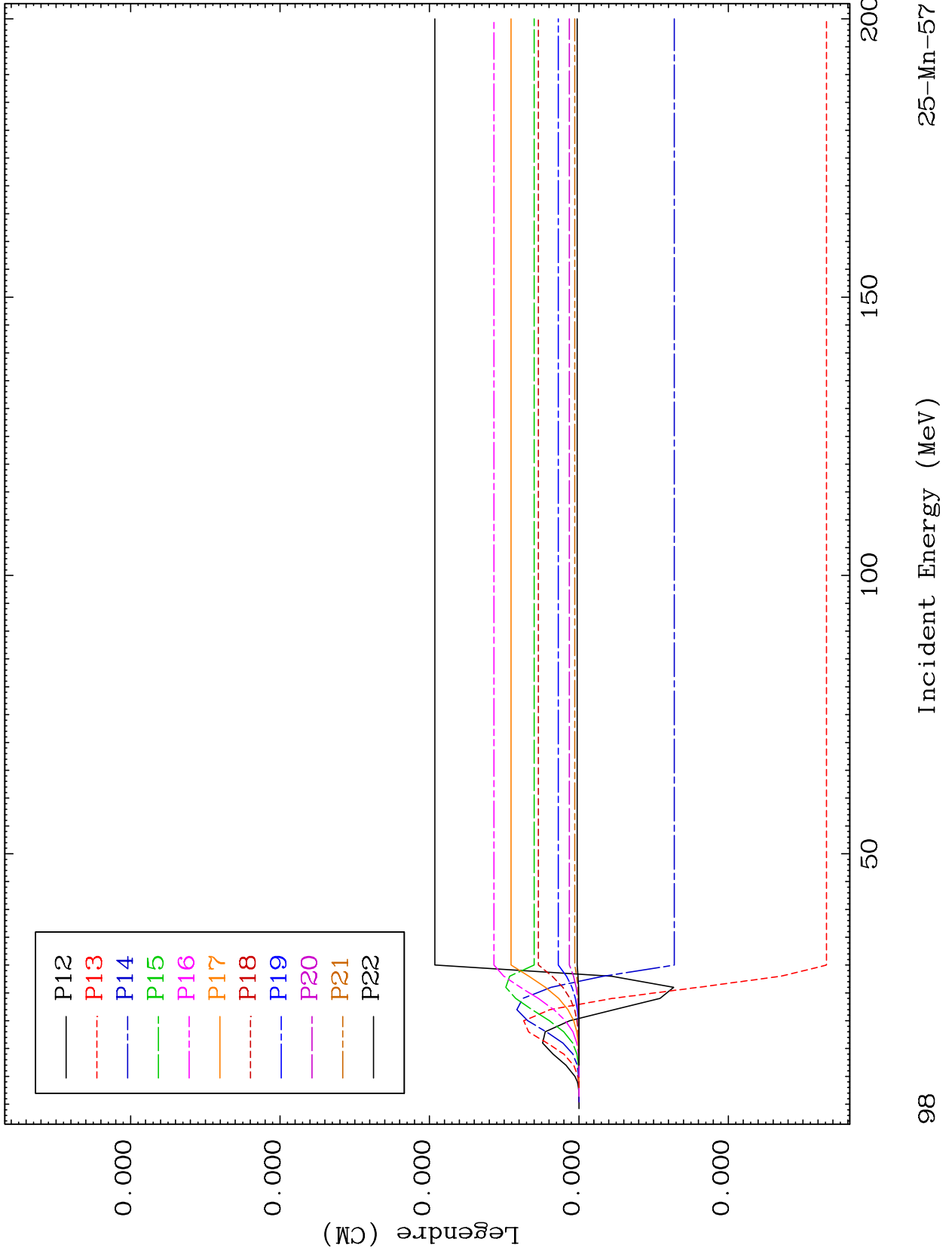
Incident Energy (MeV)

25-Mn-57

MAT 2531

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

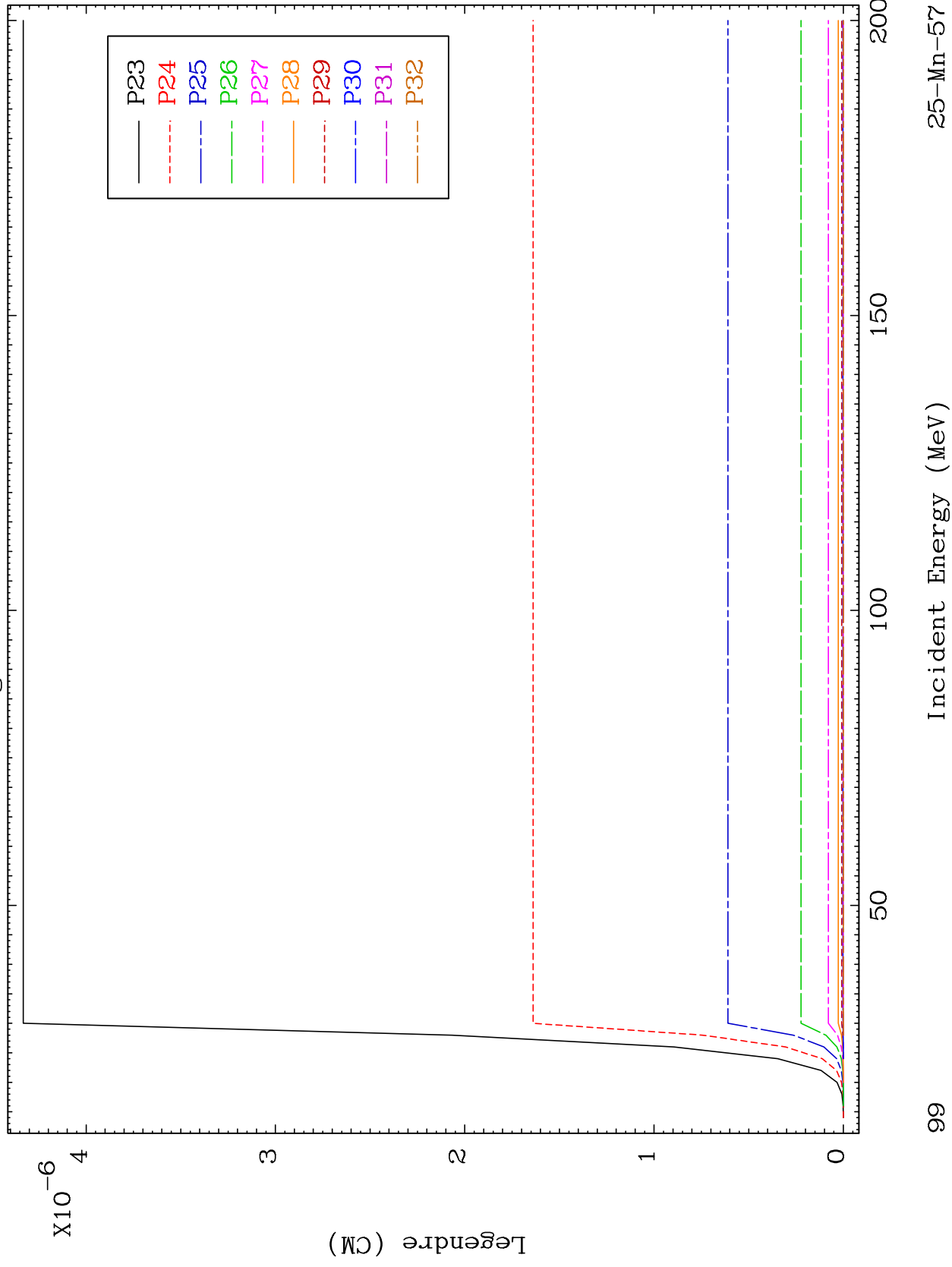
25-Mn-57



MAT 2531

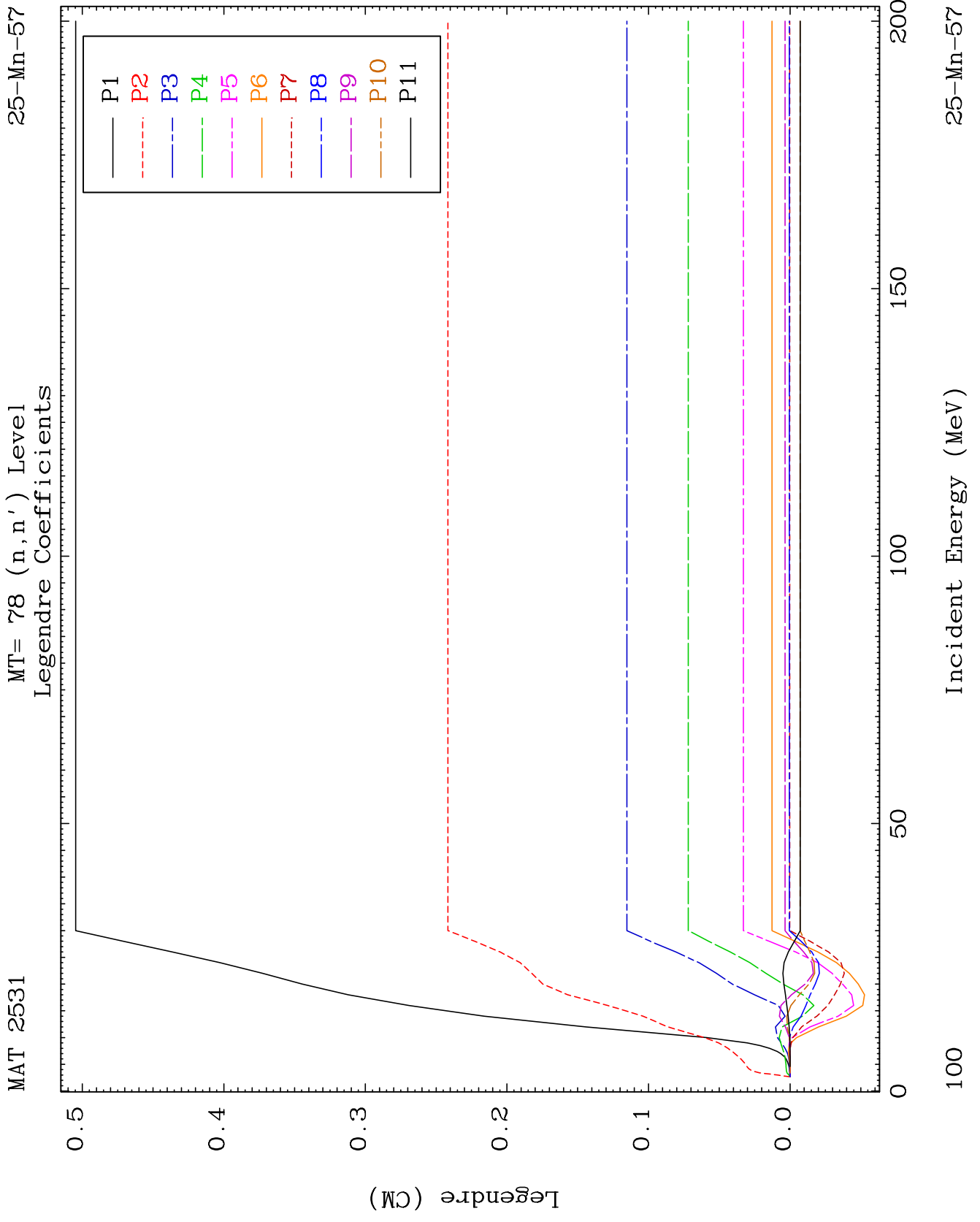
MT= 77 (n,n') Level
Legendre Coefficients

25-Mn-57



99

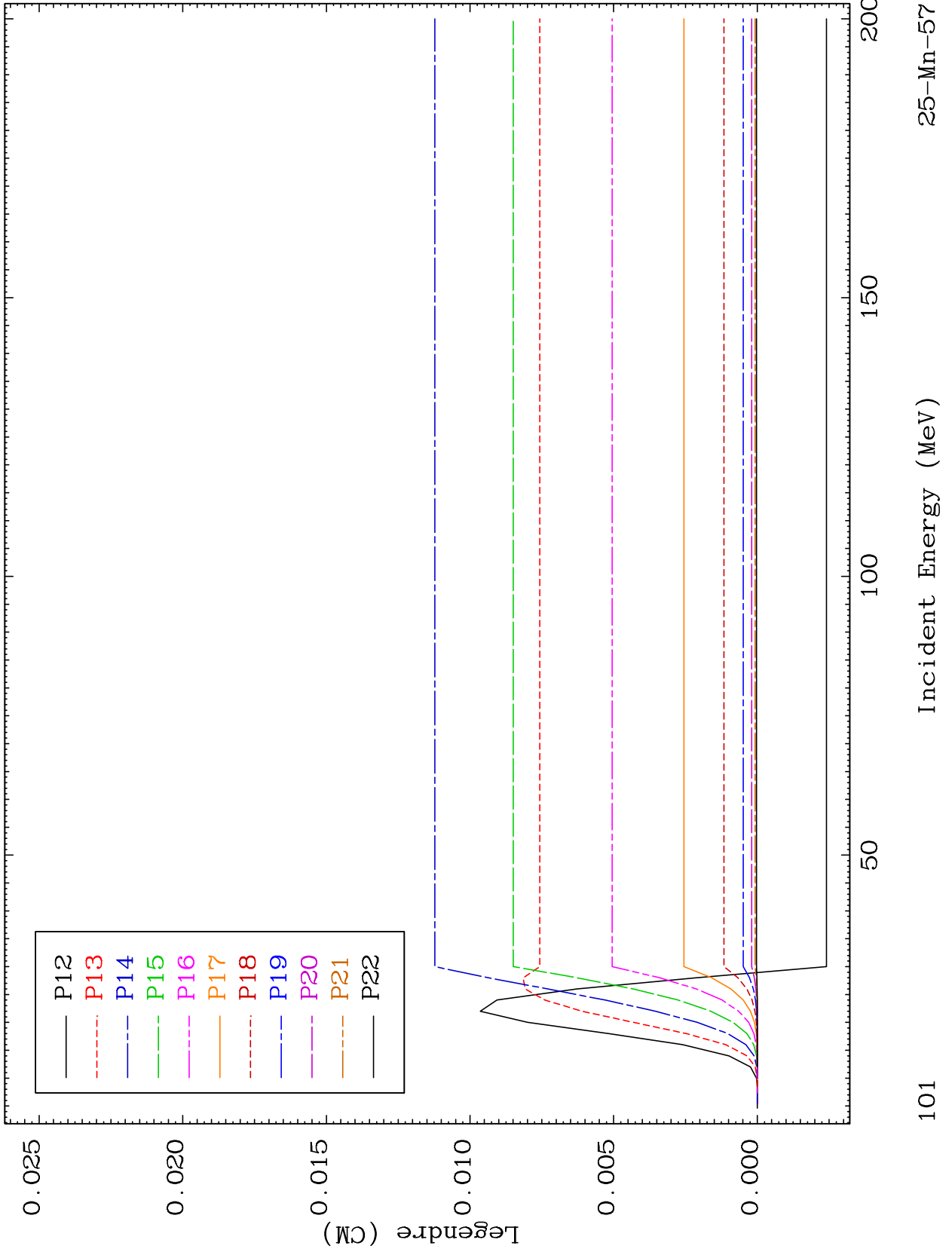
25-Mn-57



MAT 2531

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

25-Mn-57



101

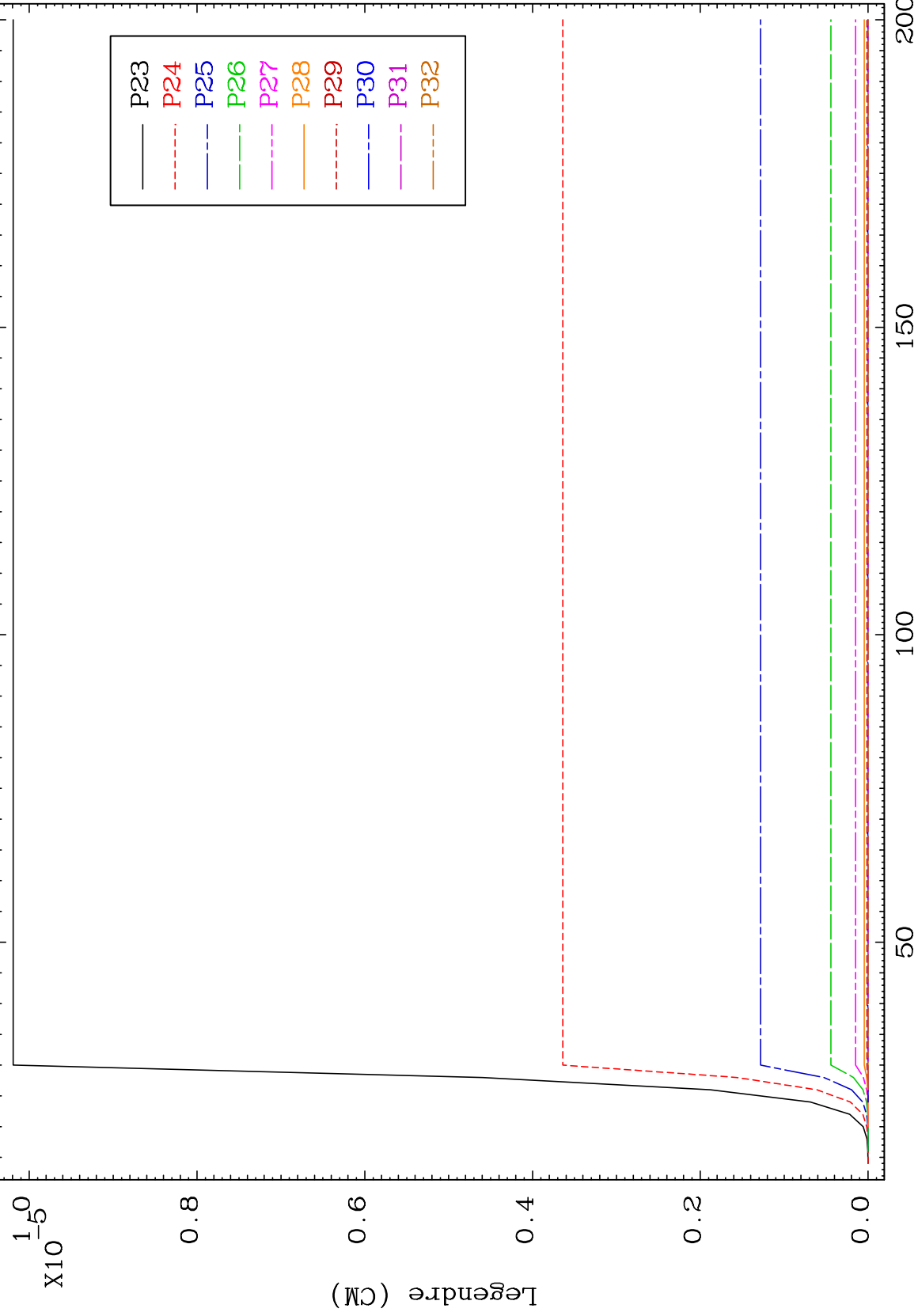
Incident Energy (MeV)

25-Mn-57

MAT 2531

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

25-Mn-57



102

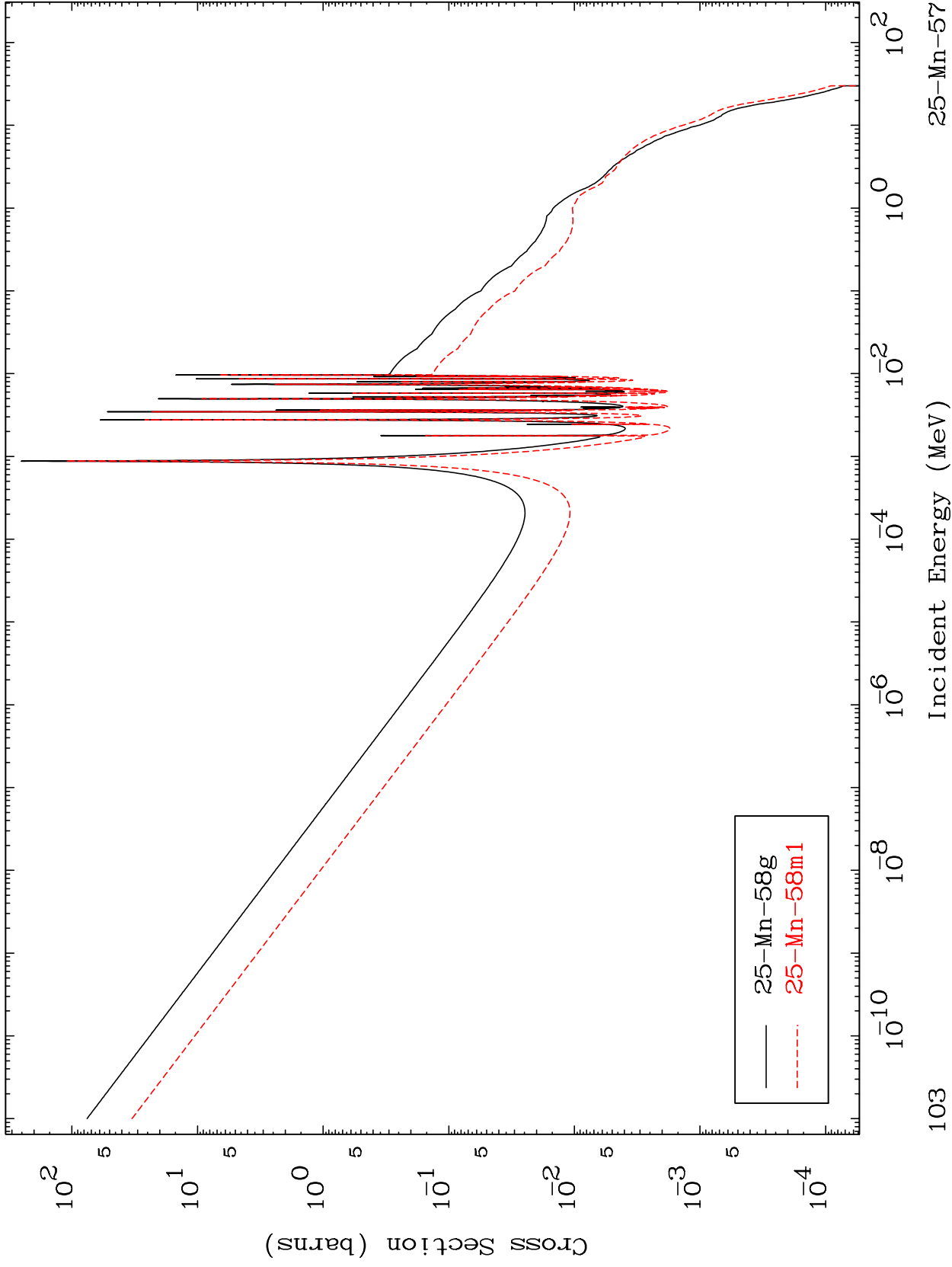
Incident Energy (MeV)

25-Mn-57

MAT 2531

$^{25}\text{Mn-57}$

(n, γ)
Radionuclide Production Cross Section



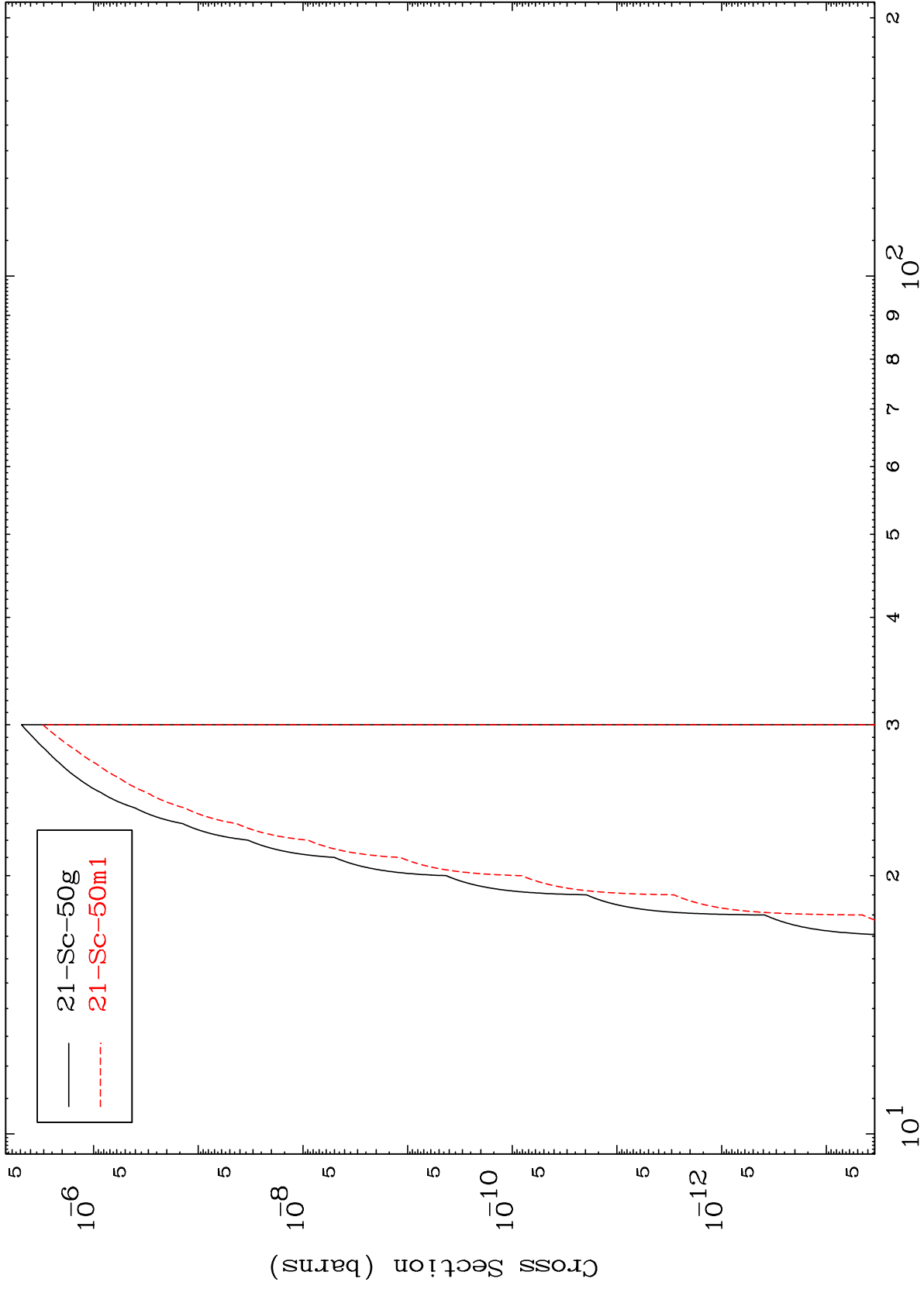
— $^{25}\text{Mn-58g}$
- - - $^{25}\text{Mn-58m1}$

MAT 2531

(n,2α)

25-Mn-57

Radionuclide Production Cross Section



— 21-Sc-50g
- - - 21-Sc-50ml

Incident Energy (MeV)

25-Mn-57

104