

Program EVALPLOT
(Version 2018-1)

by

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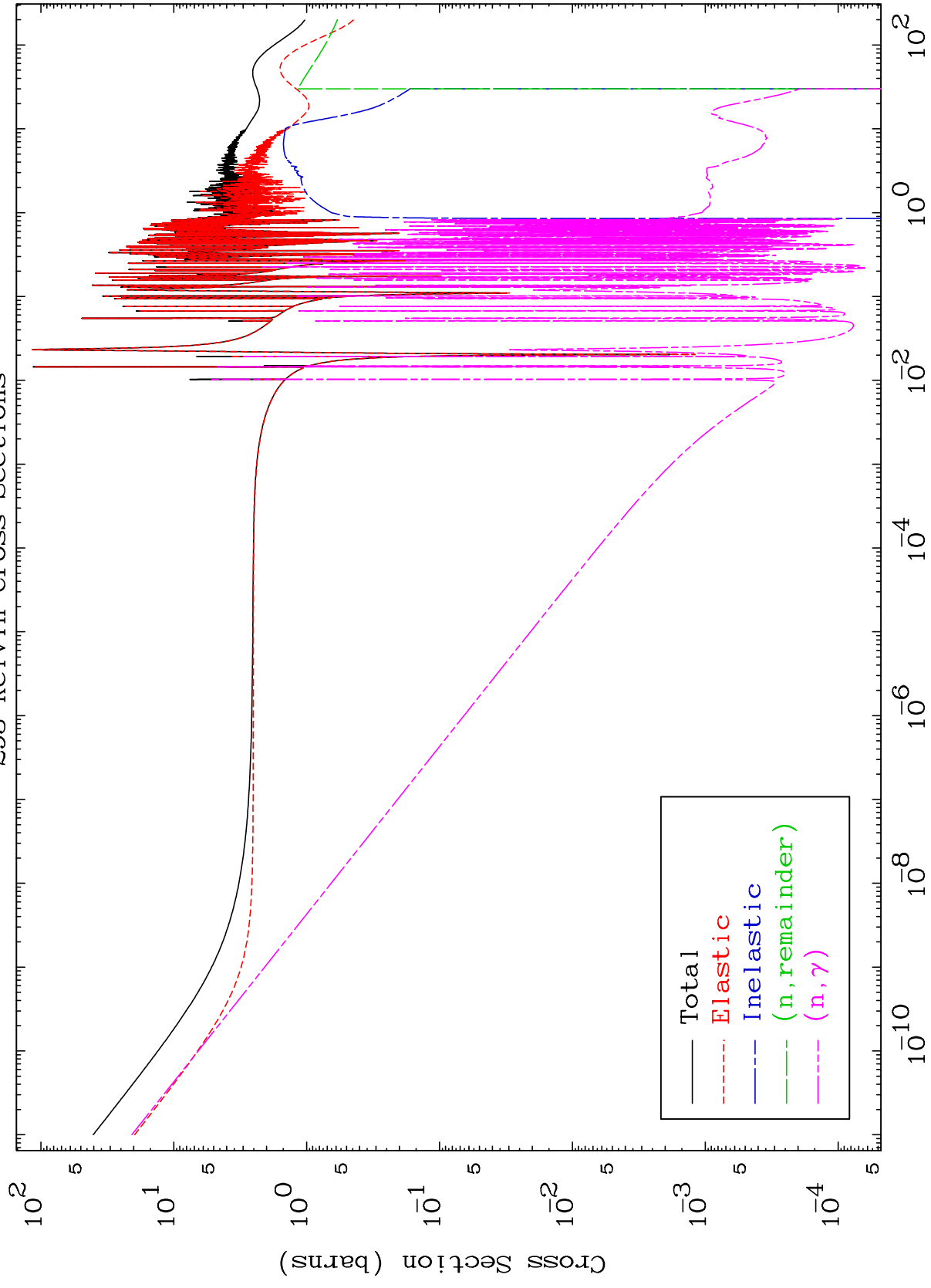
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2437

Major
293 Kelvin Cross Sections

24-Cr-54

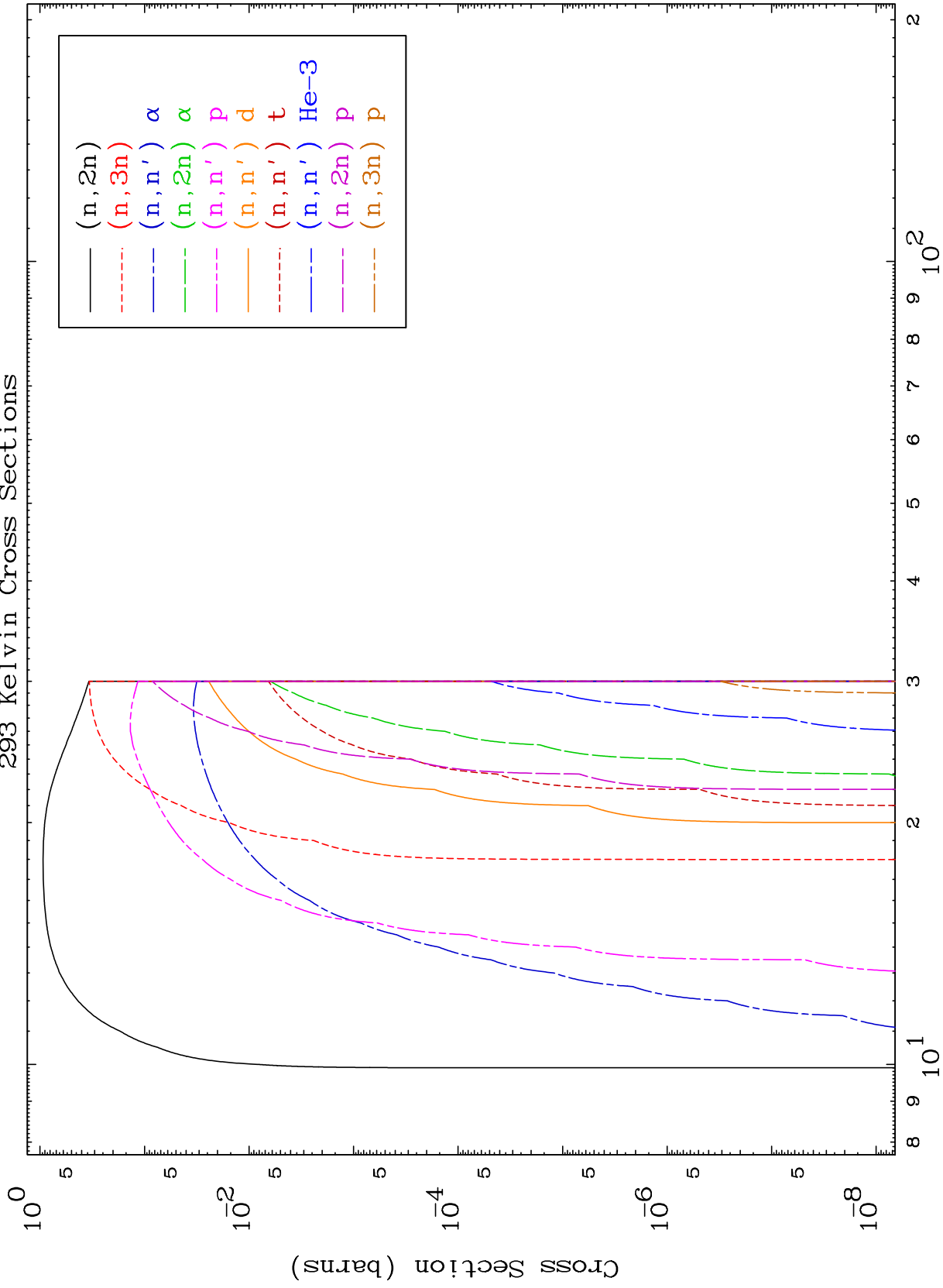


24-Cr-54

MAT 2437

Neutron Production
293 Kelvin Cross Sections

24-Cr-54



2

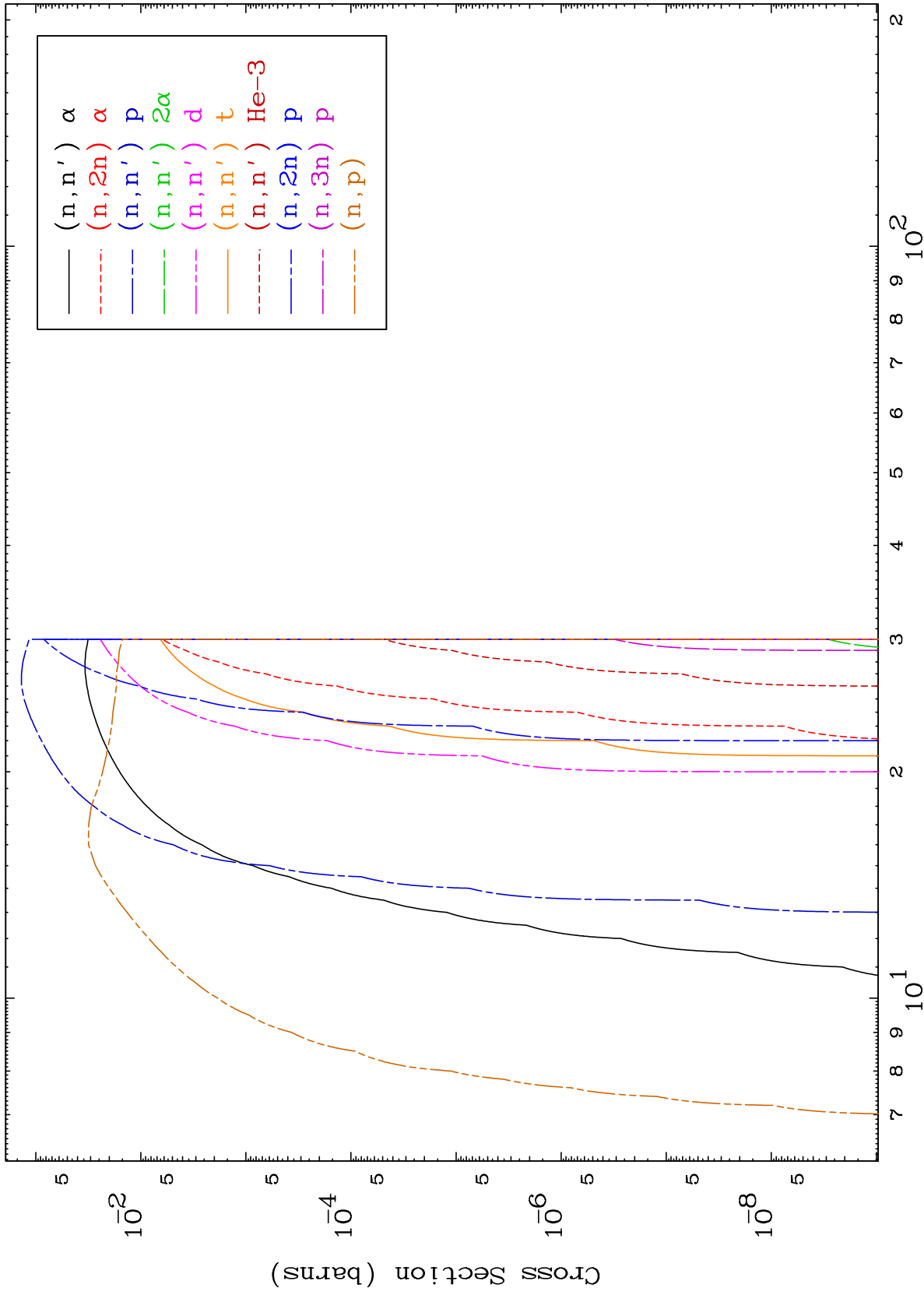
Incident Energy (MeV)

24-Cr-54

MAT 2437

Charged Particle
293 Kelvin Cross Sections

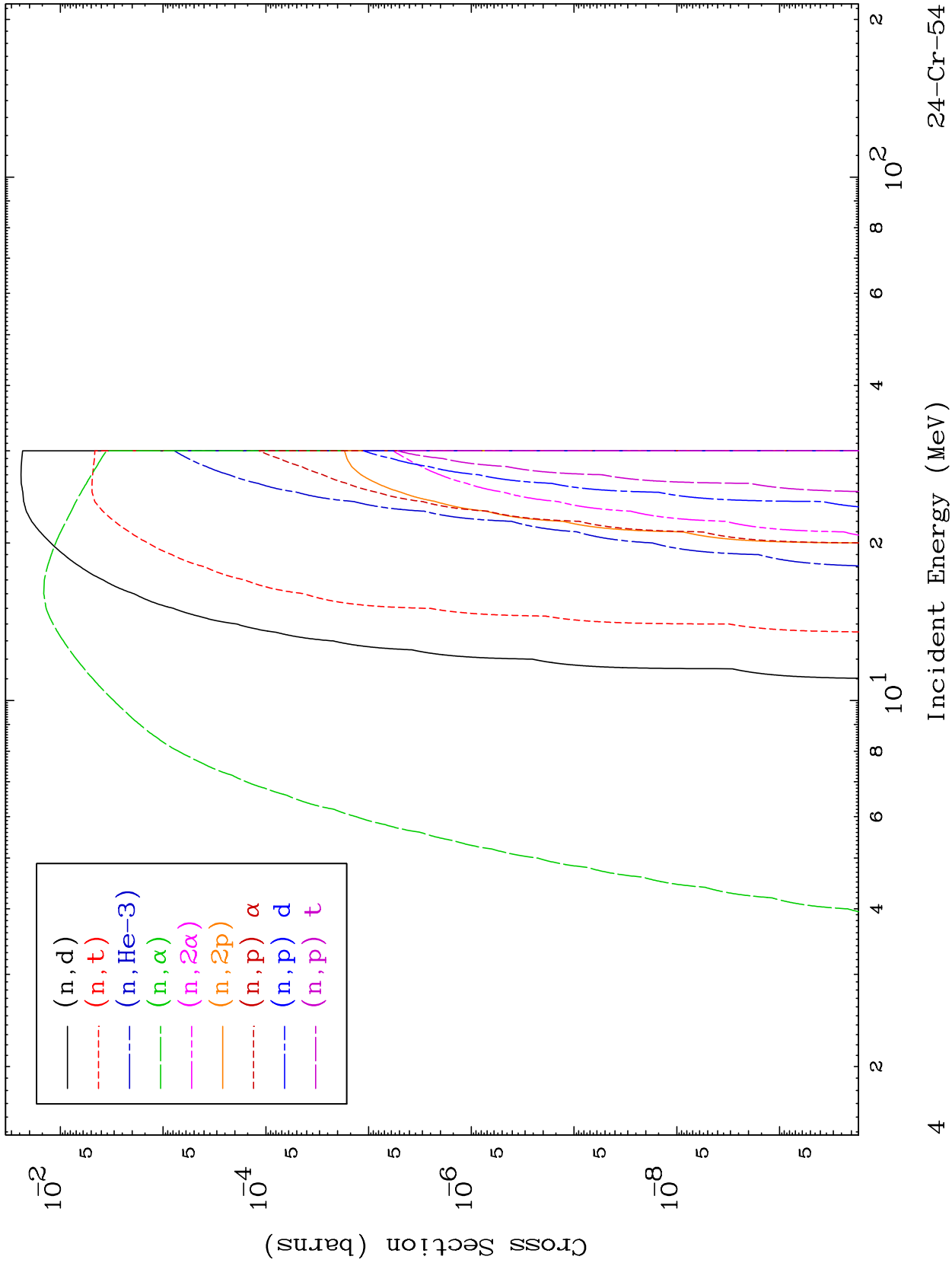
24-Cr-54



3

Incident Energy (MeV)

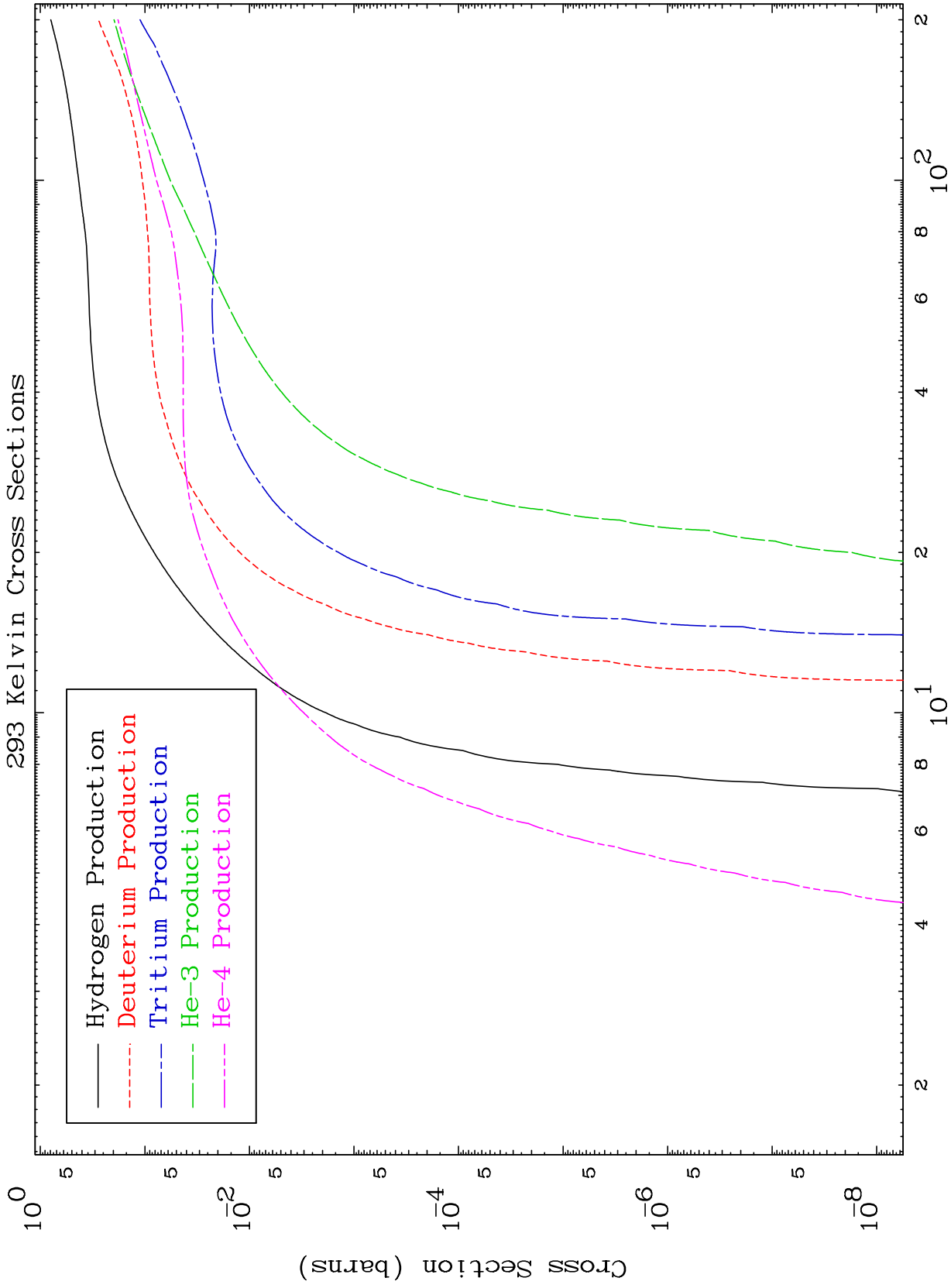
24-Cr-54



MAT 2437

Particle Production
293 Kelvin Cross Sections

24-Cr-54



5

Incident Energy (MeV)

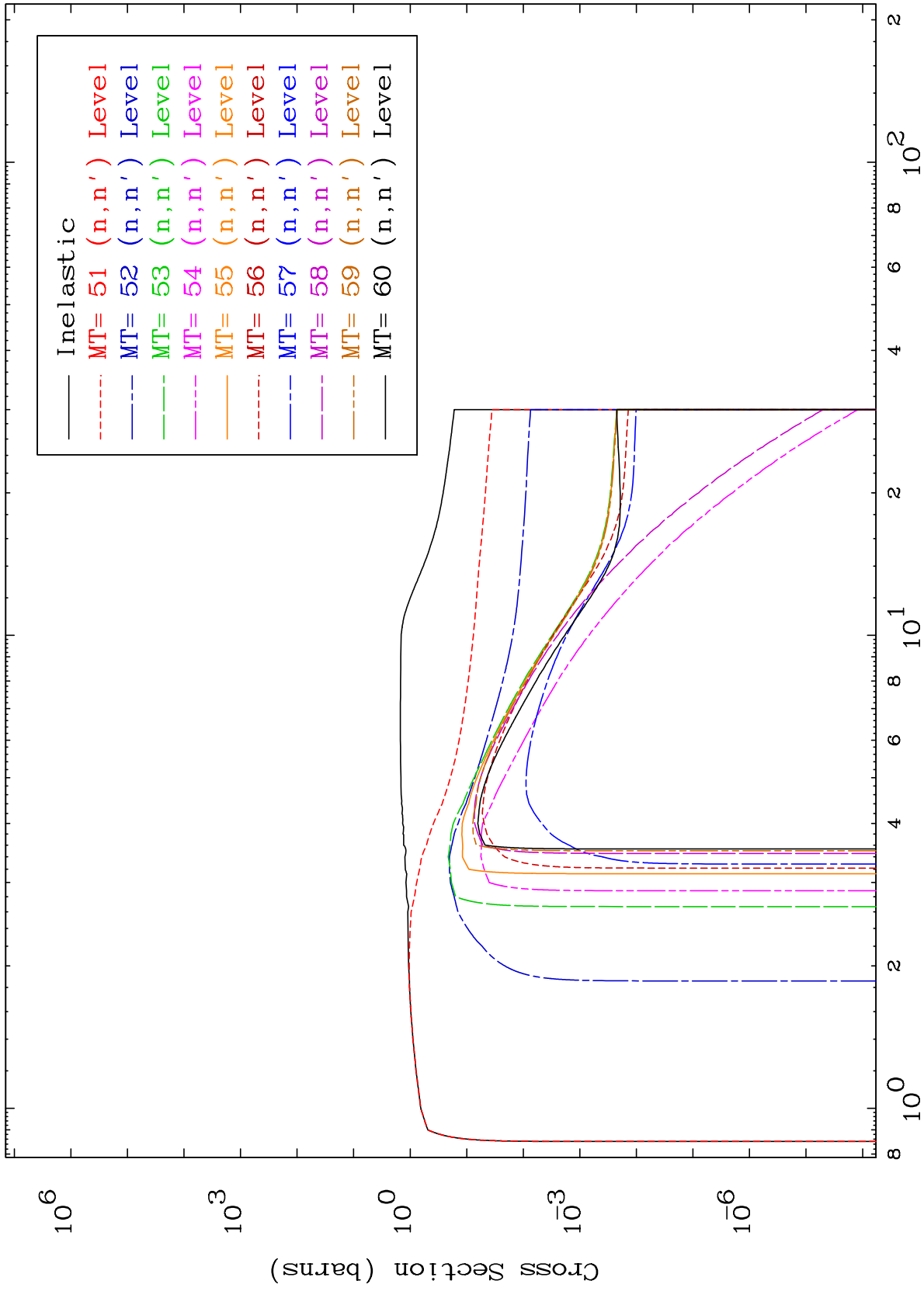
24-Cr-54

MAT 2437

(n,n') Level

24-Cr-54

293 Kelvin Cross Sections



Incident Energy (MeV)

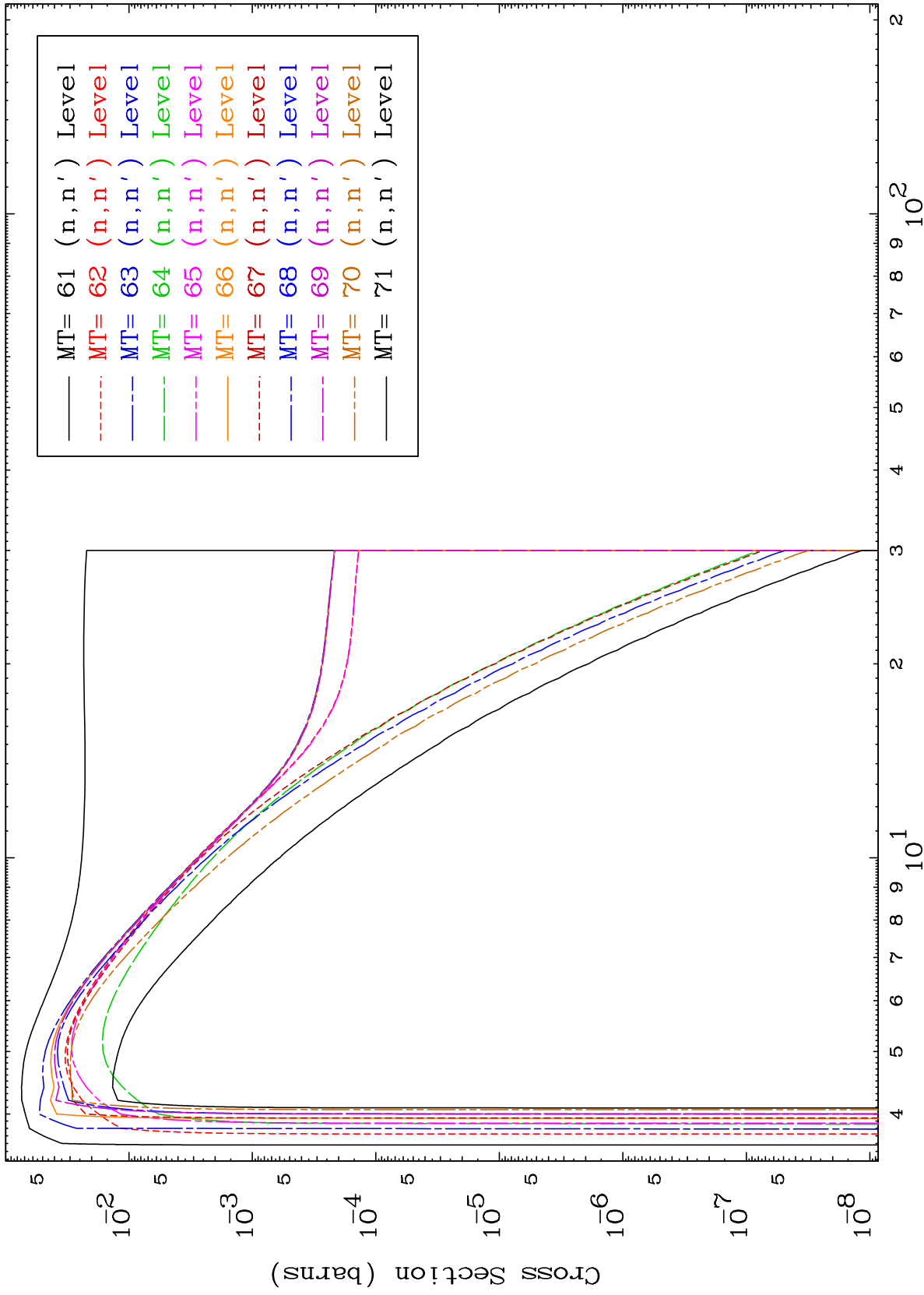
24-Cr-54

MAT 2437

(n,n') Level

293 Kelvin Cross Sections

24-Cr-54



7

Incident Energy (MeV)

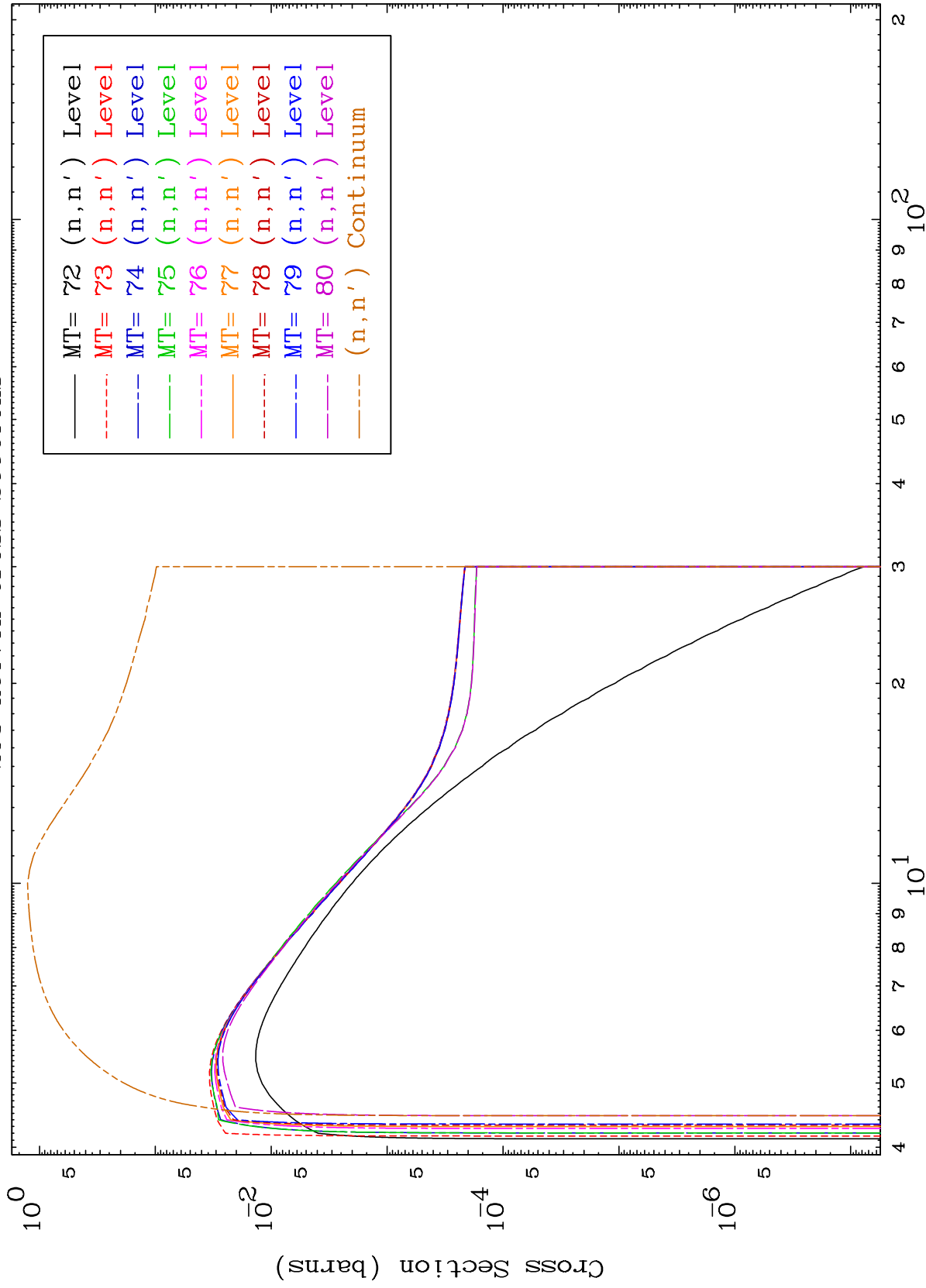
24-Cr-54

MAT 2437

(n,n') Level

24-Cr-54

293 Kelvin Cross Sections



8

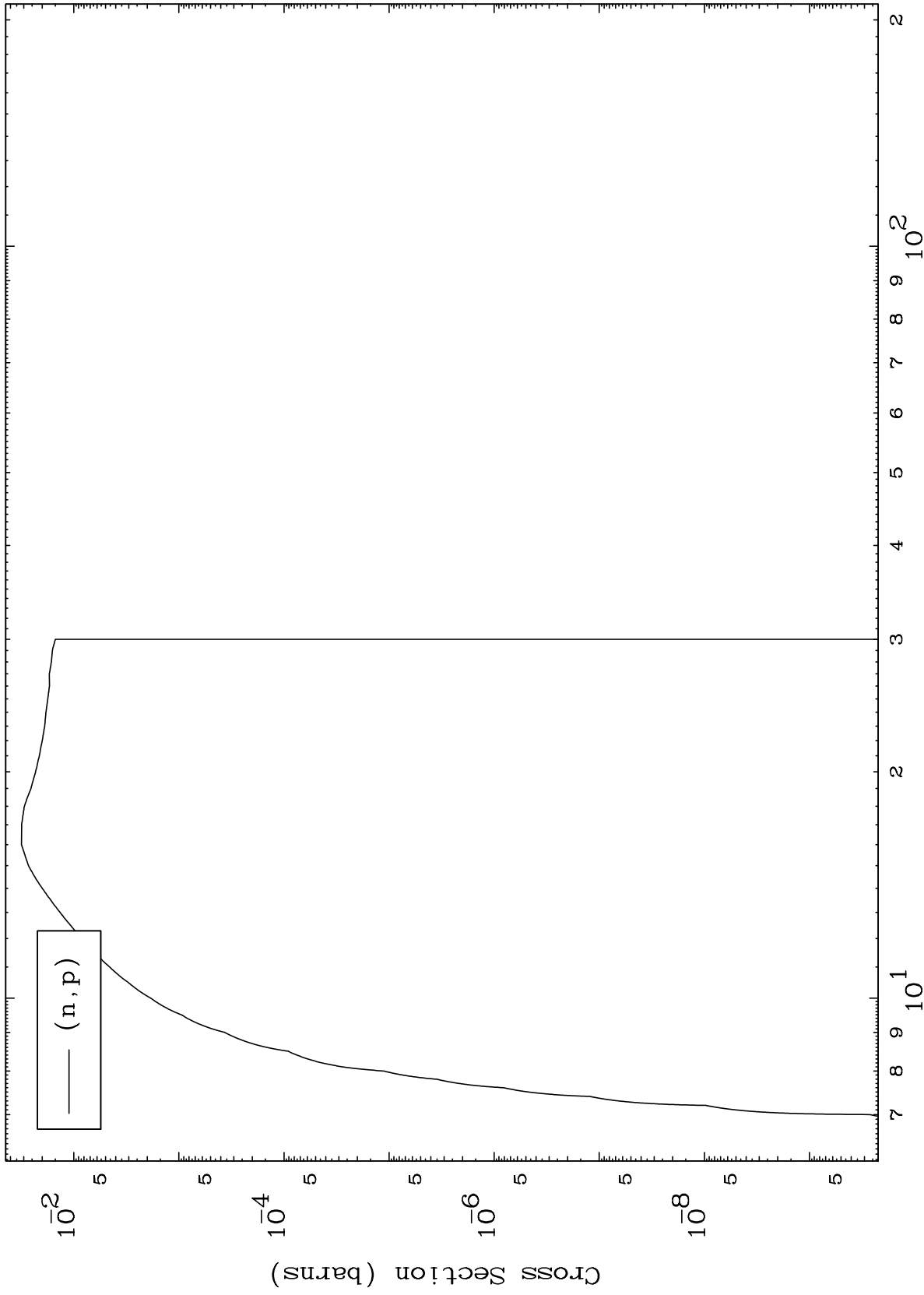
Incident Energy (MeV)

24-Cr-54

MAT 2437

(n,p) Levels
293 Kelvin Cross Sections

24-Cr-54



9

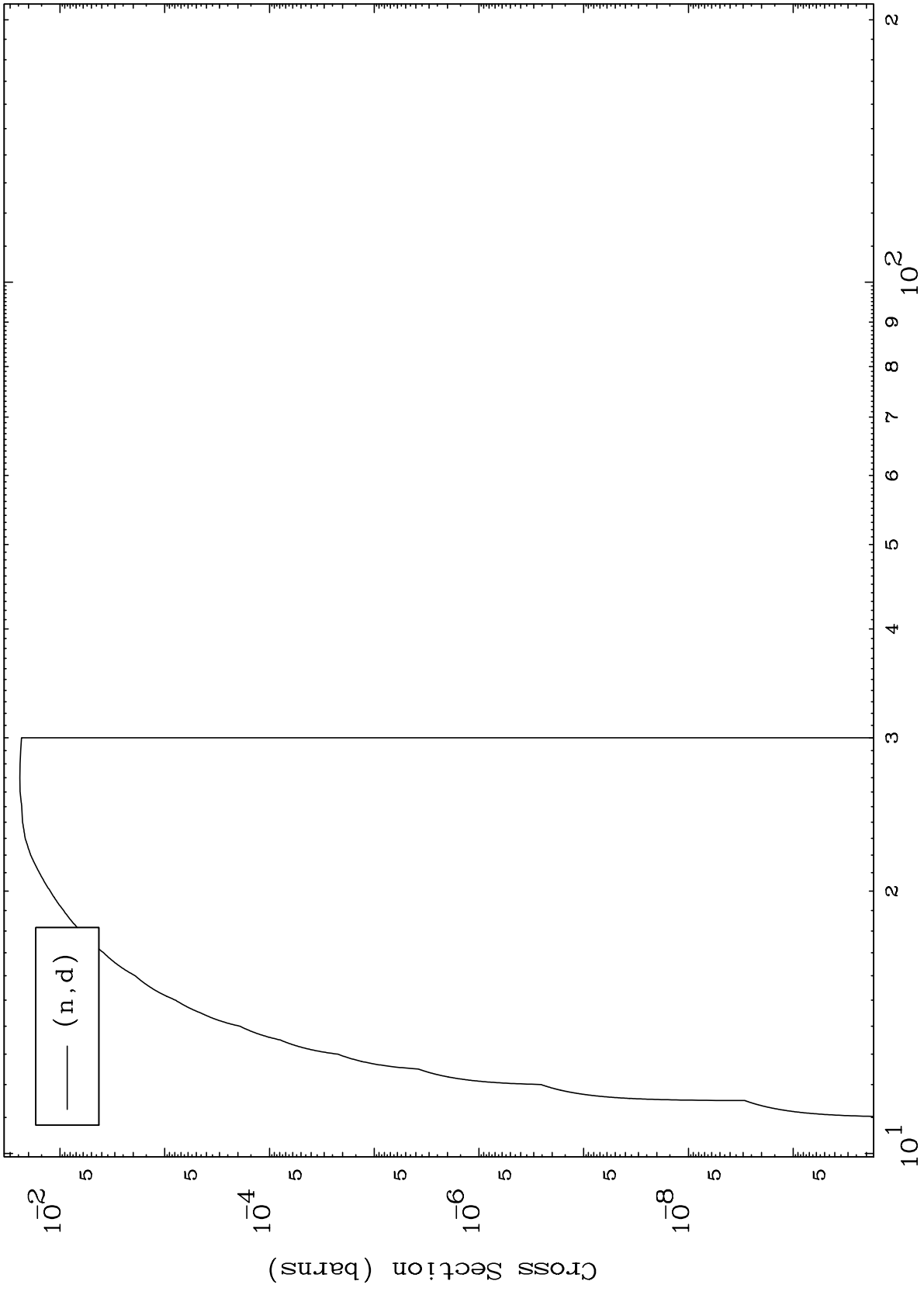
Incident Energy (MeV)

24-Cr-54

MAT 2437

(n,d) Levels
293 Kelvin Cross Sections

24-Cr-54



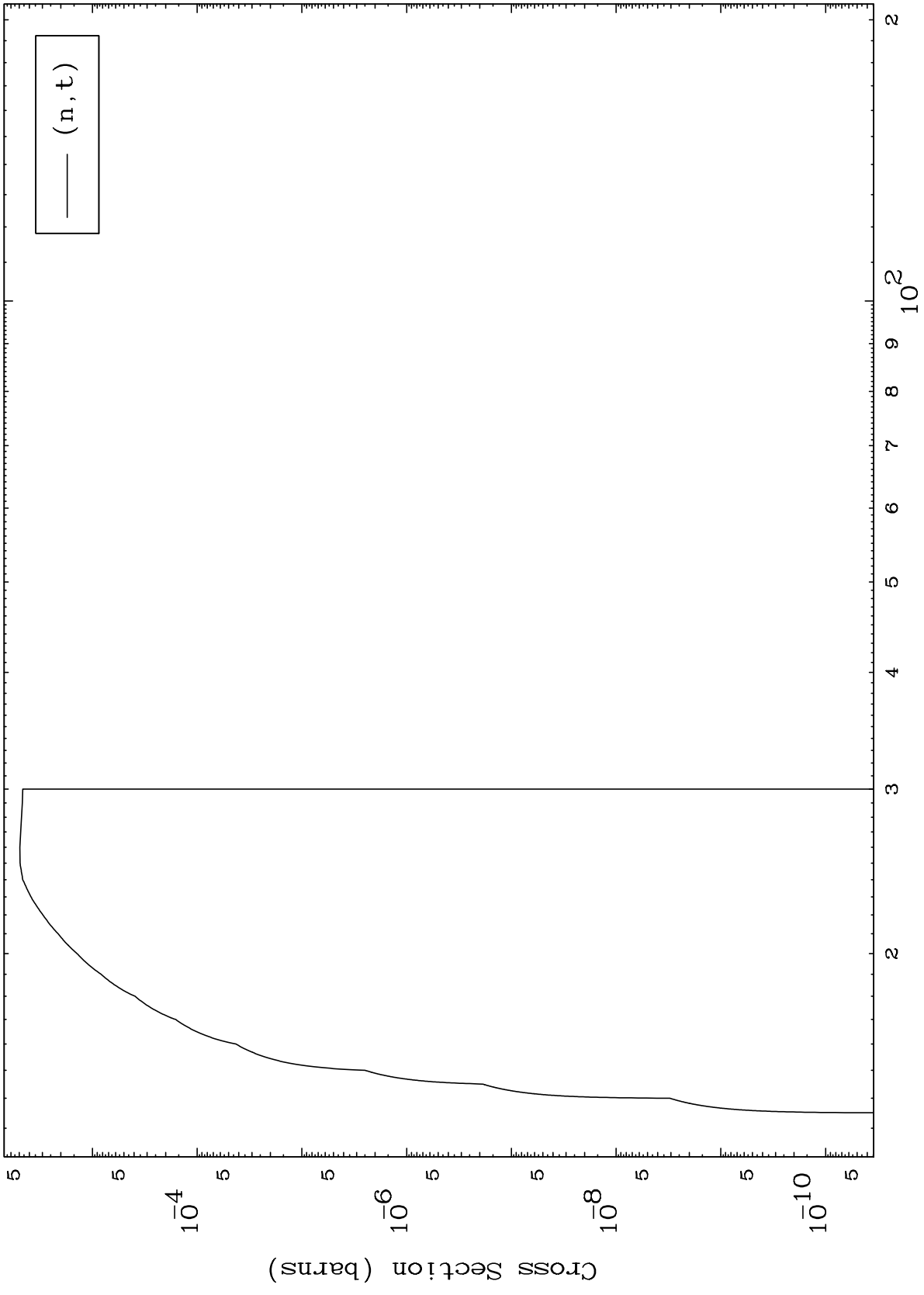
Incident Energy (MeV)

24-Cr-54

MAT 2437

(n,t) Levels
293 Kelvin Cross Sections

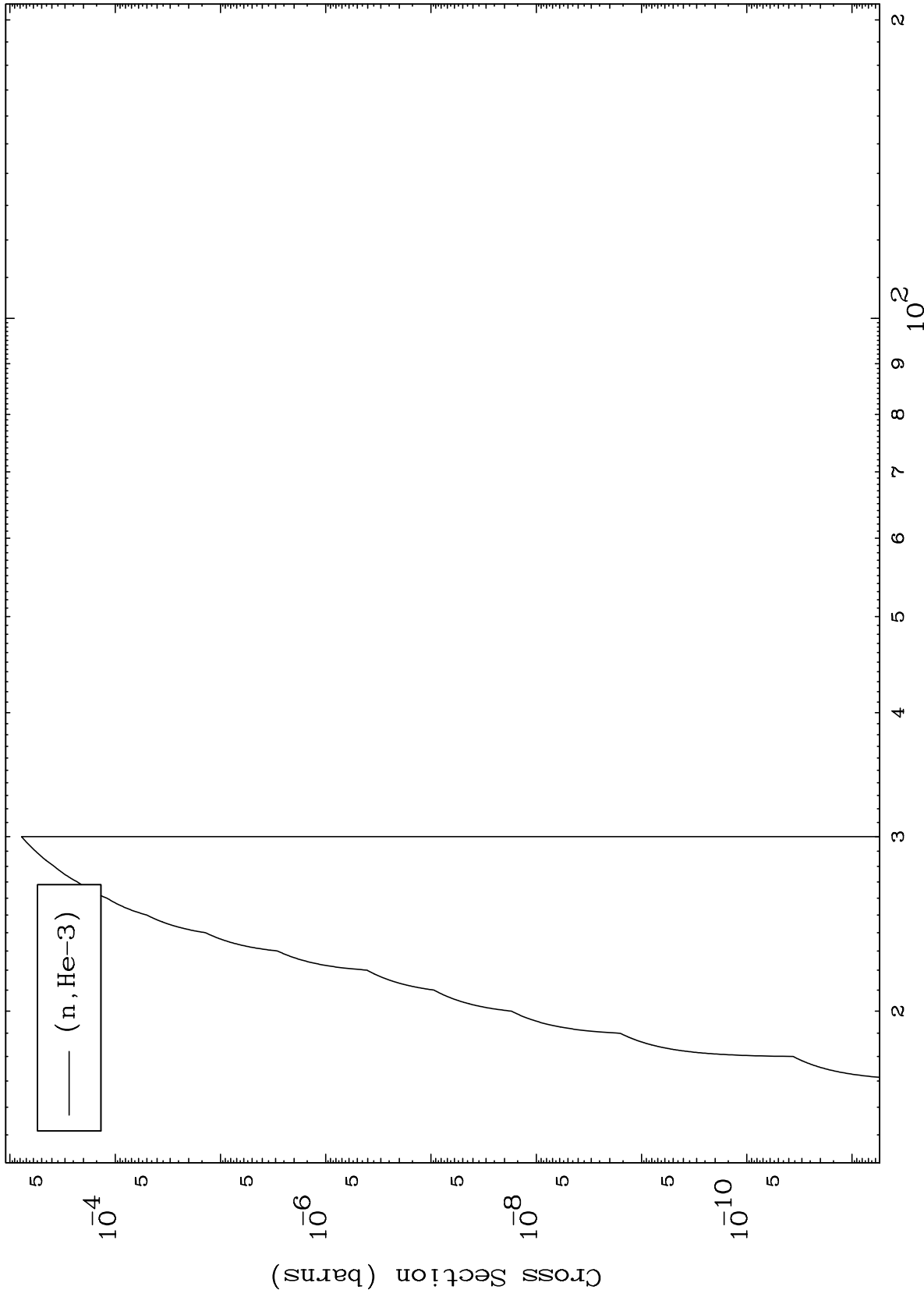
24-Cr-54



11

Incident Energy (MeV)

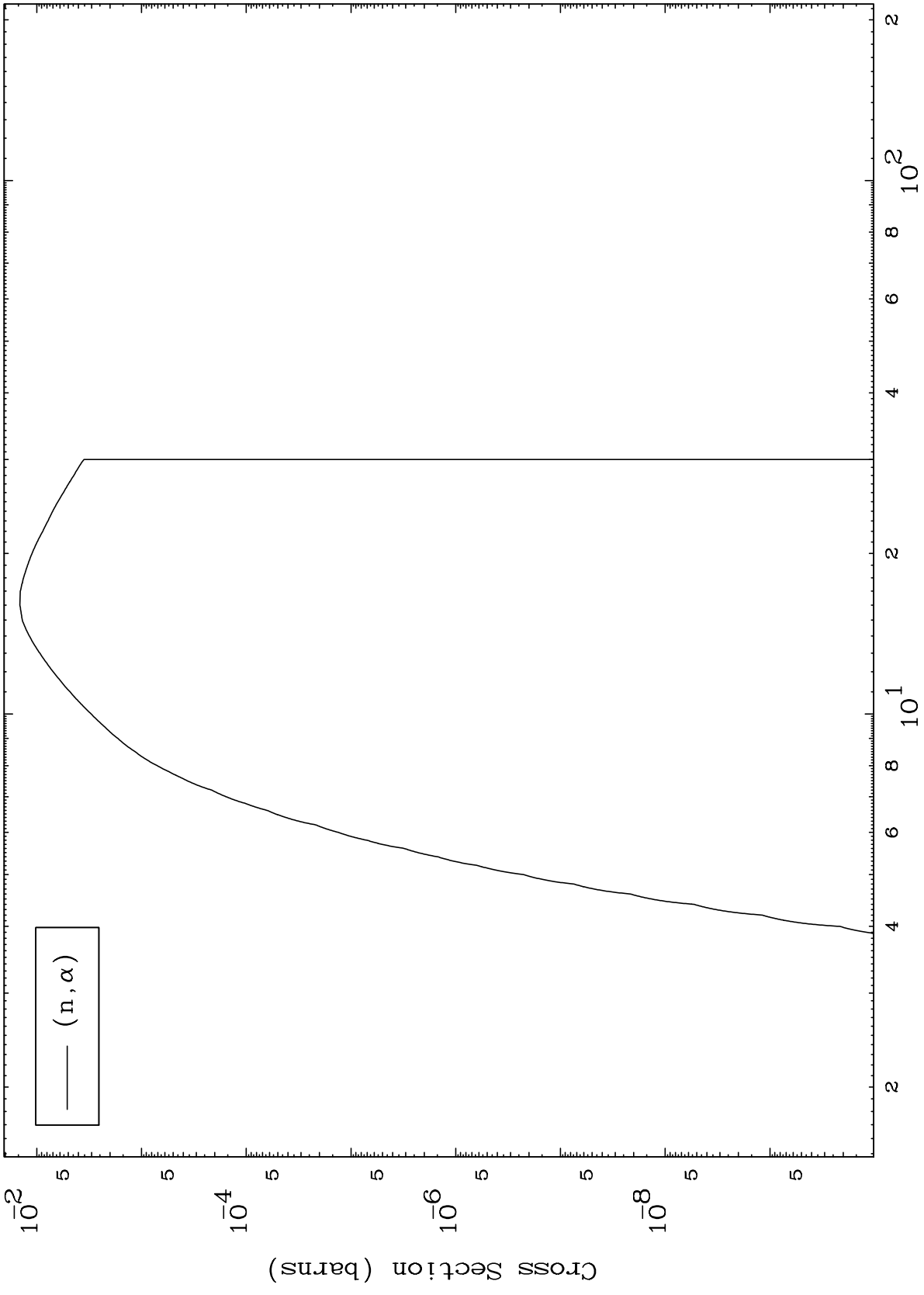
24-Cr-54



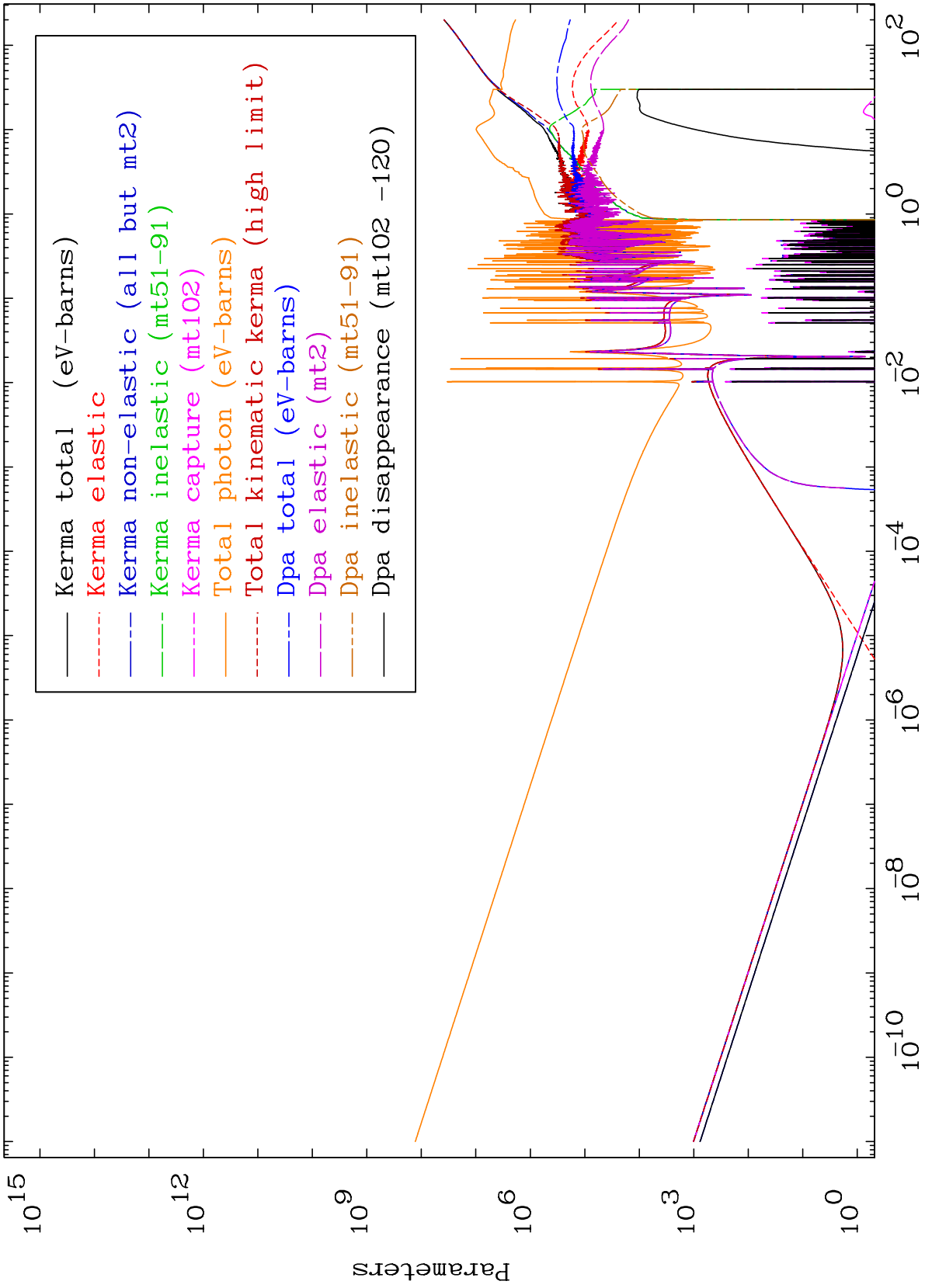
MAT 2437

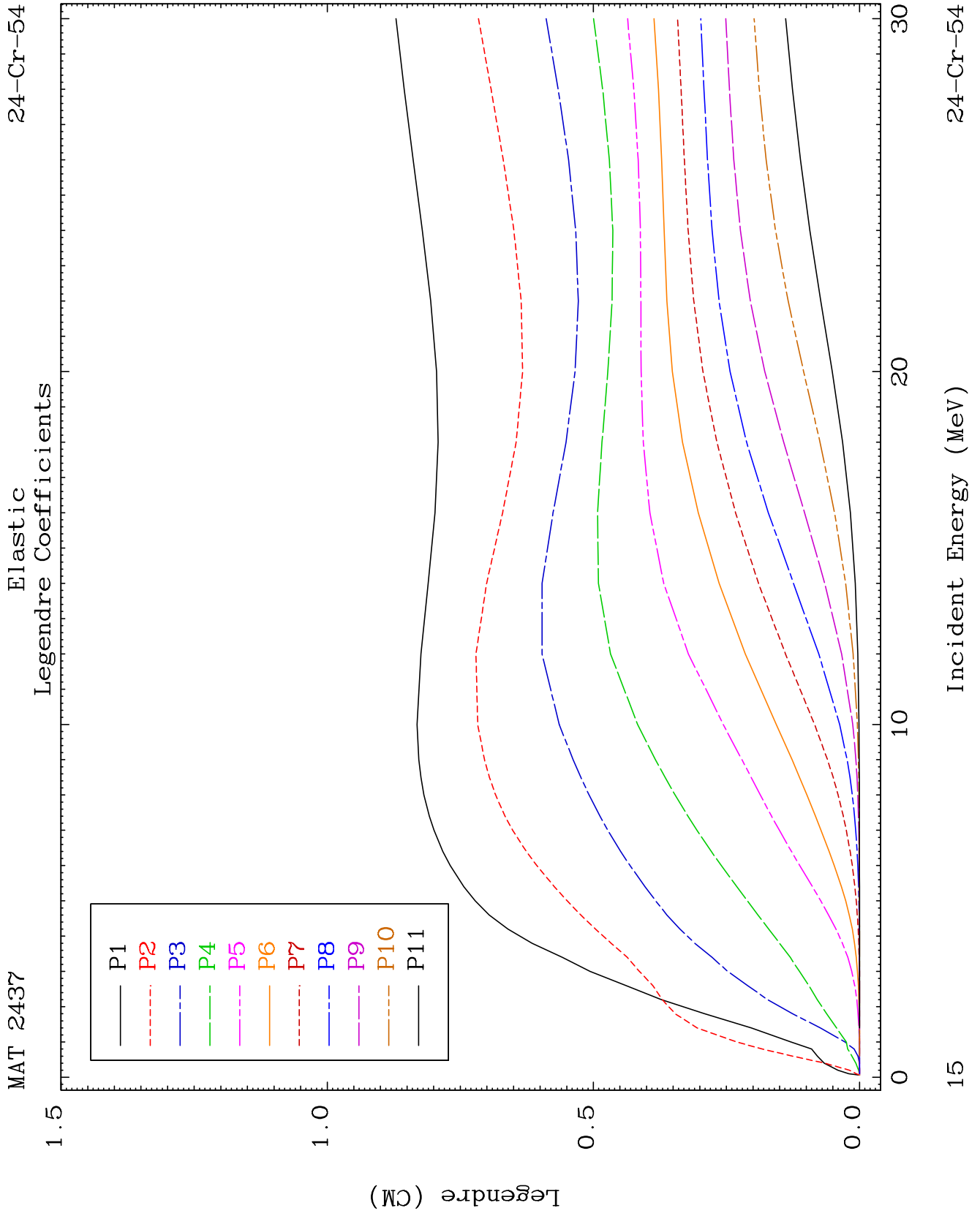
(n,α) Levels
293 Kelvin Cross Sections

24-Cr-54



(n,α)

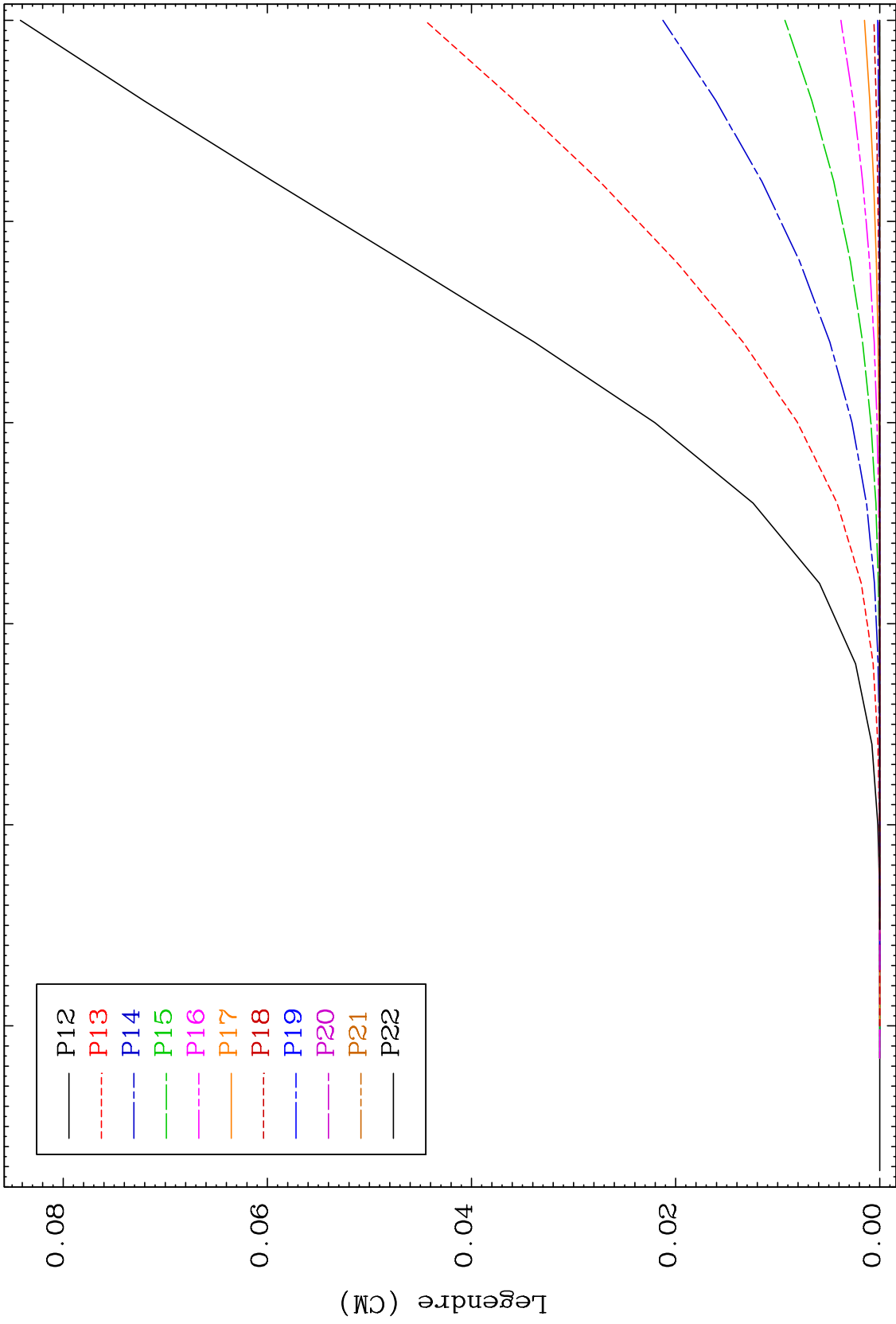




MAT 2437

Elastic Legendre Coefficients

24-Cr-54



16

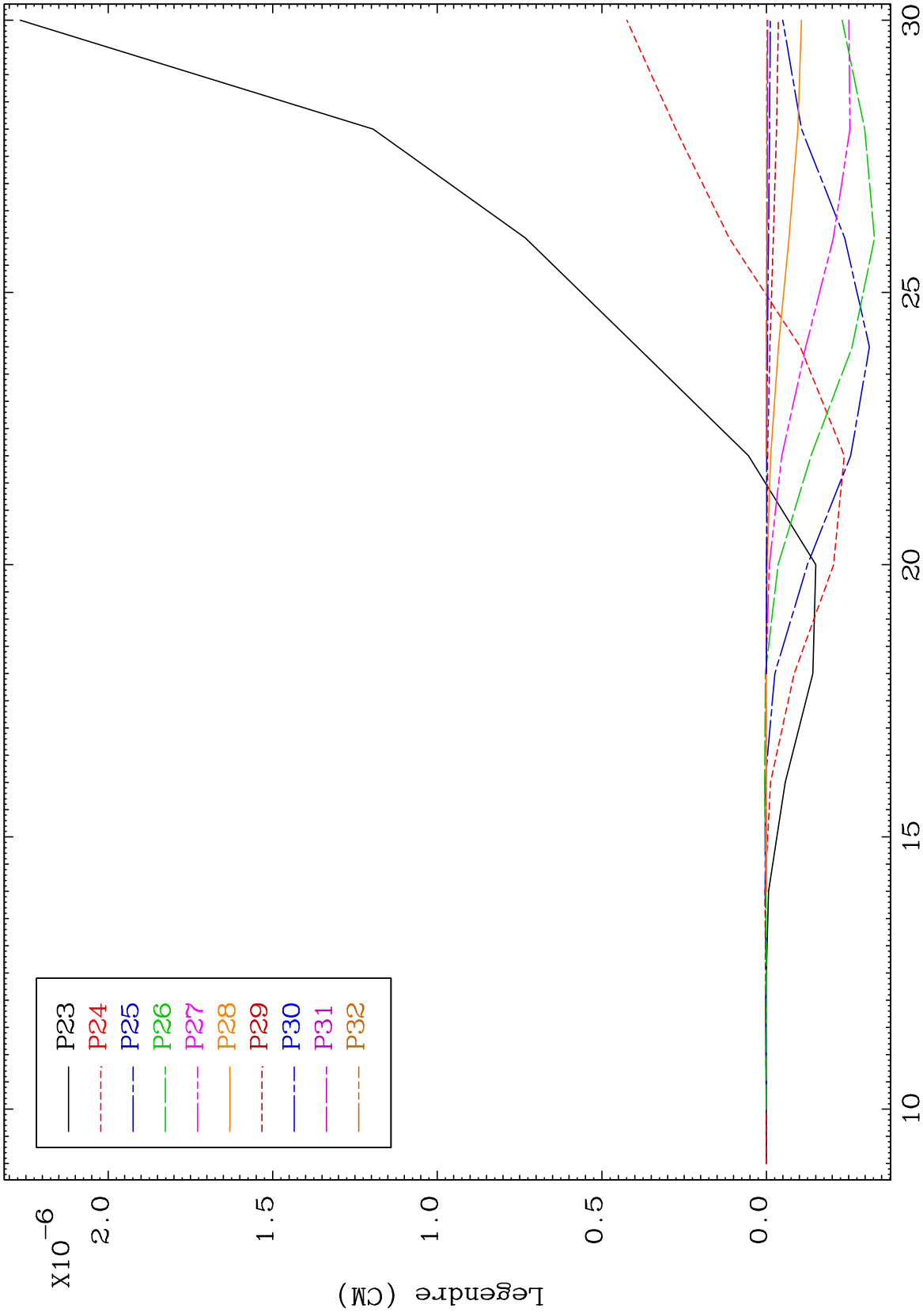
Incident Energy (MeV)

24-Cr-54

MAT 2437

Elastic Legendre Coefficients

24-Cr-54



17

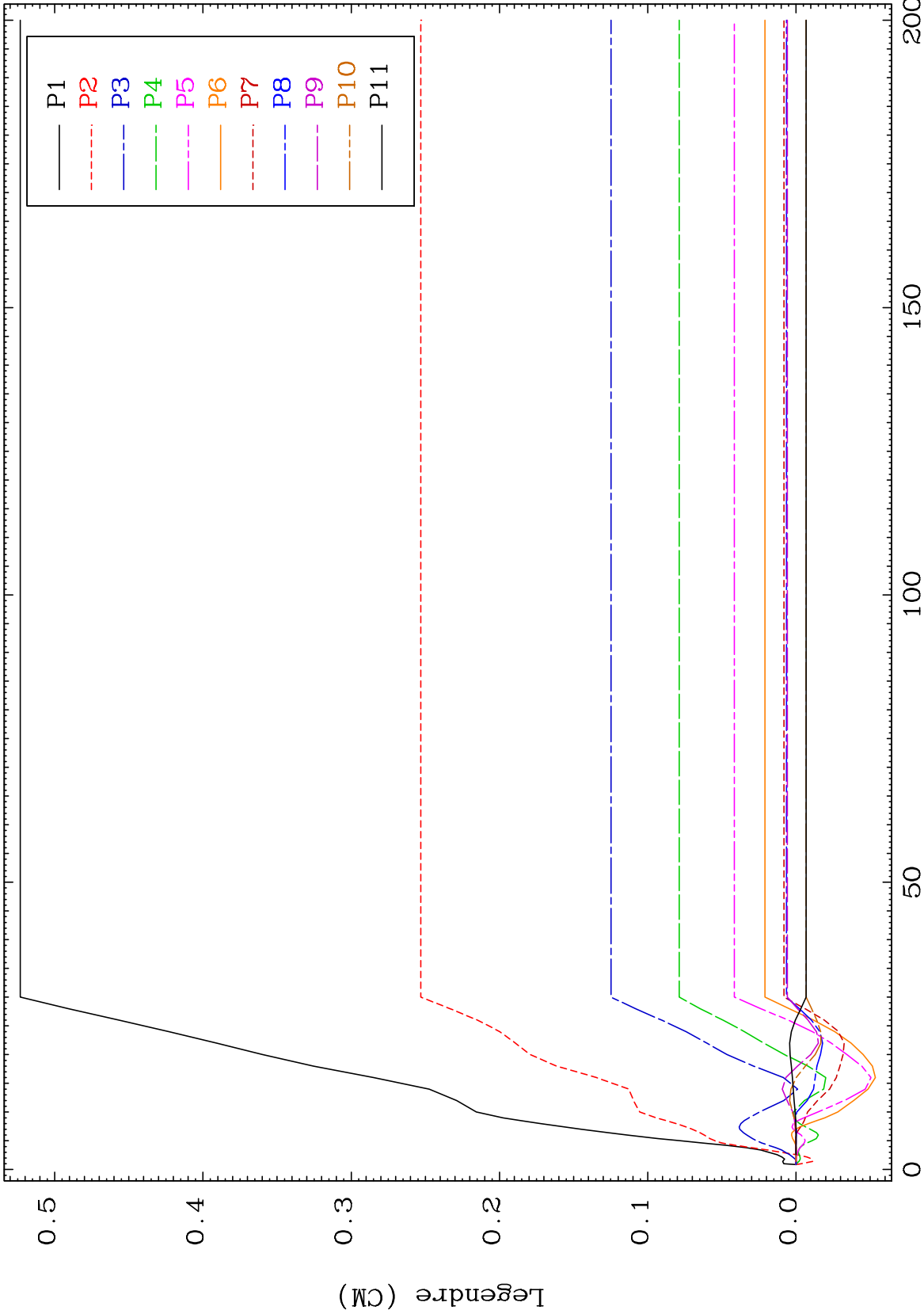
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



18

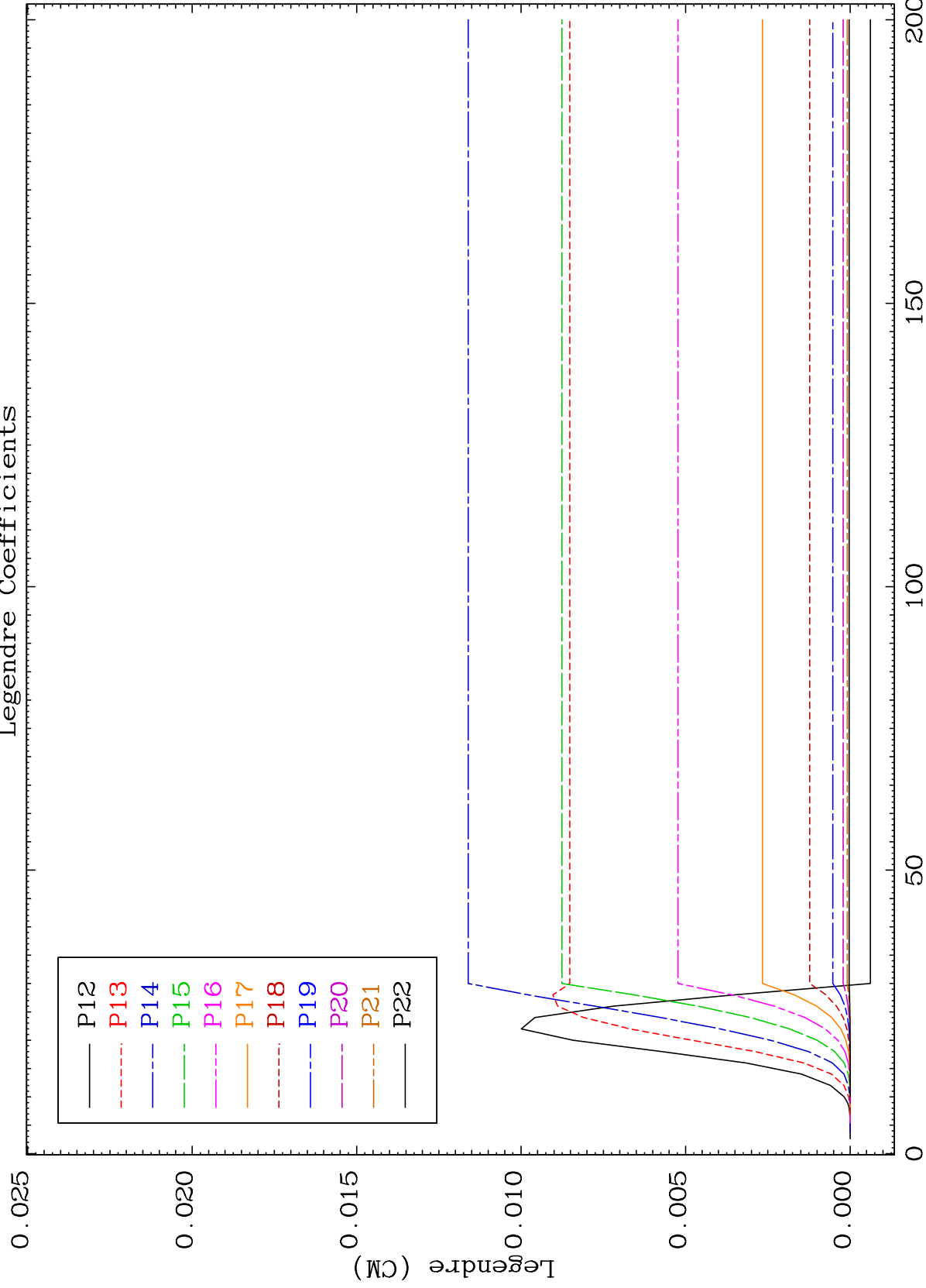
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



19

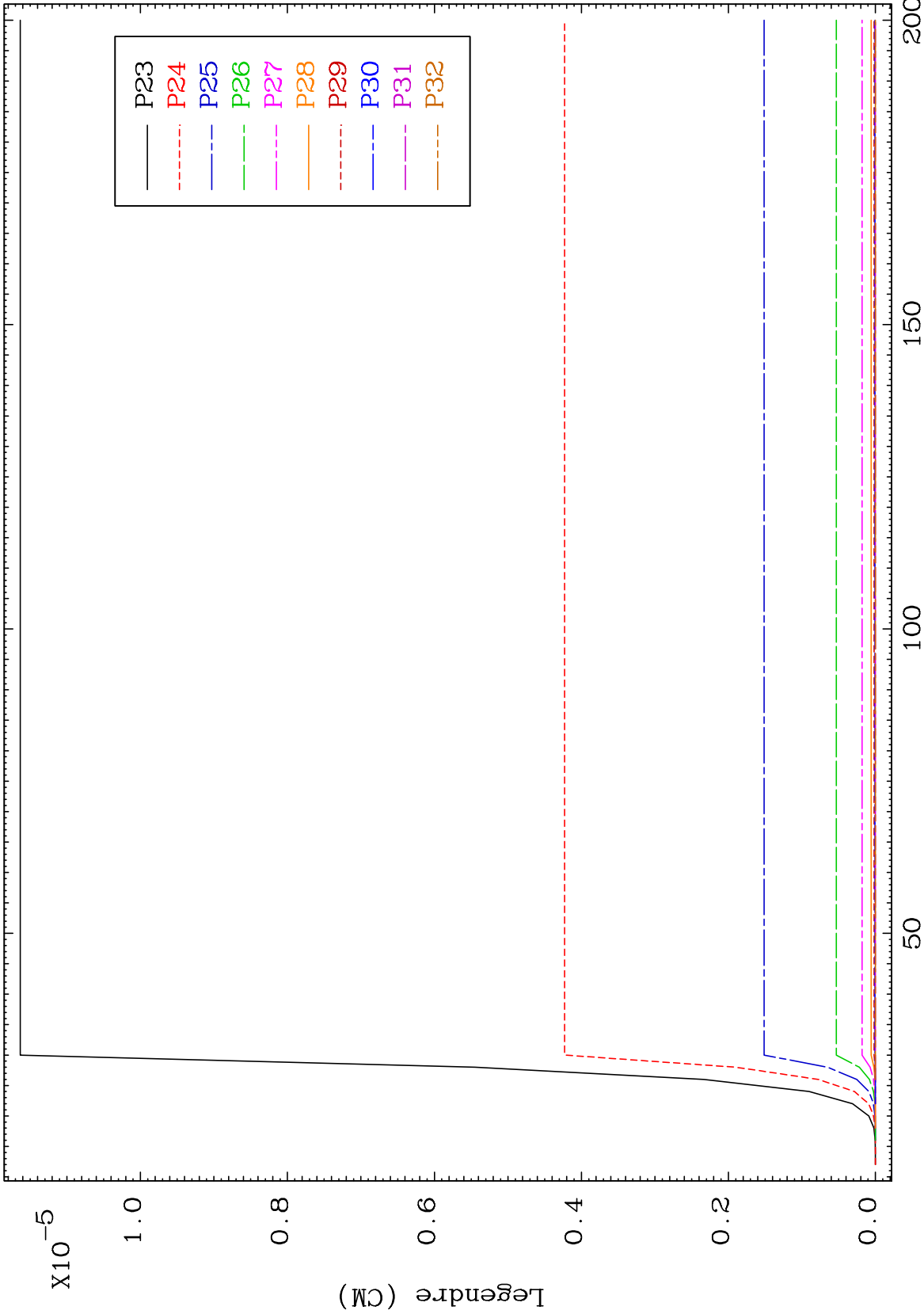
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



20

50

100

Incident Energy (MeV)

150

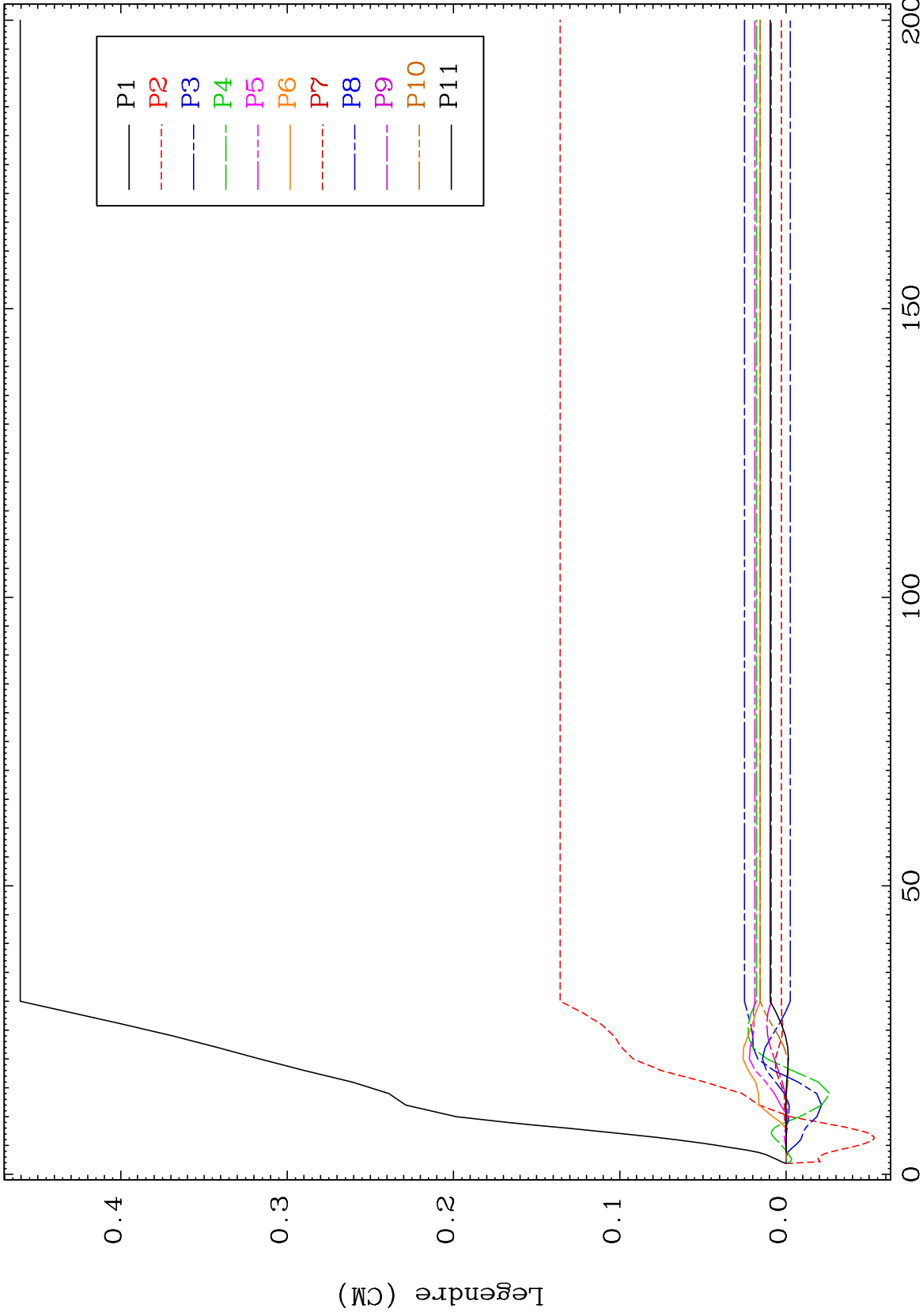
200

24-Cr-54

MAT 2437

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

24-Cr-54



21

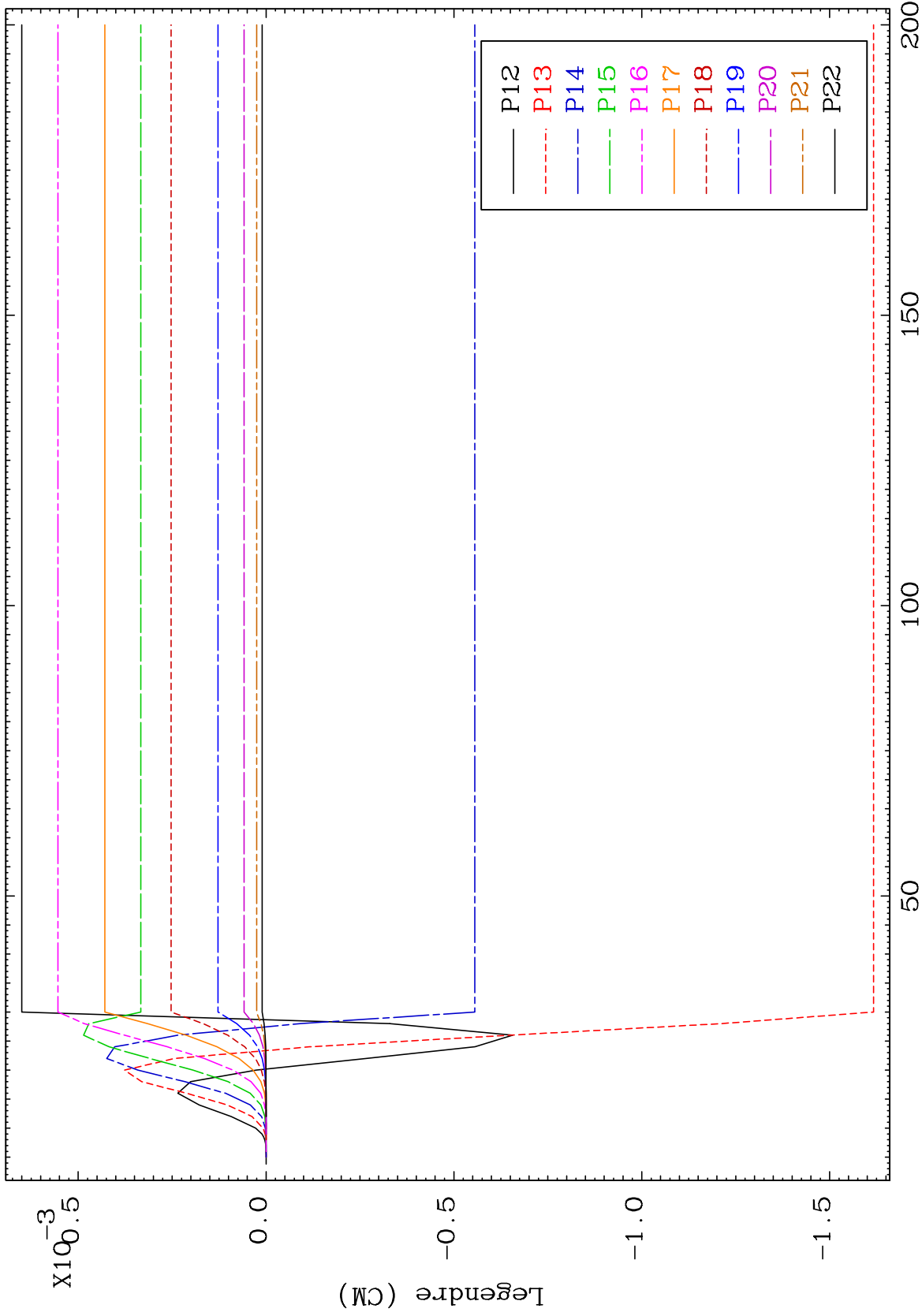
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



22

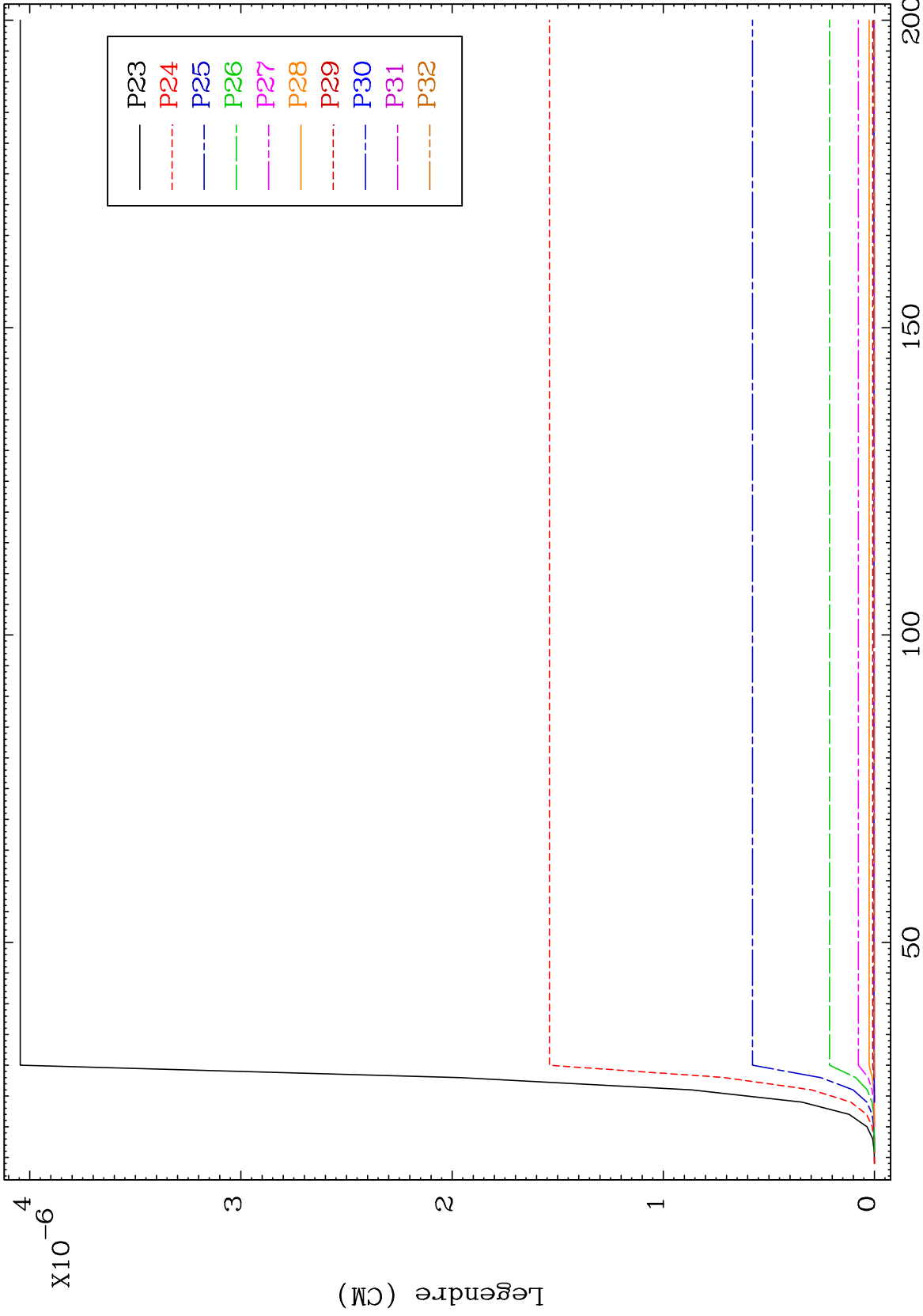
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



23

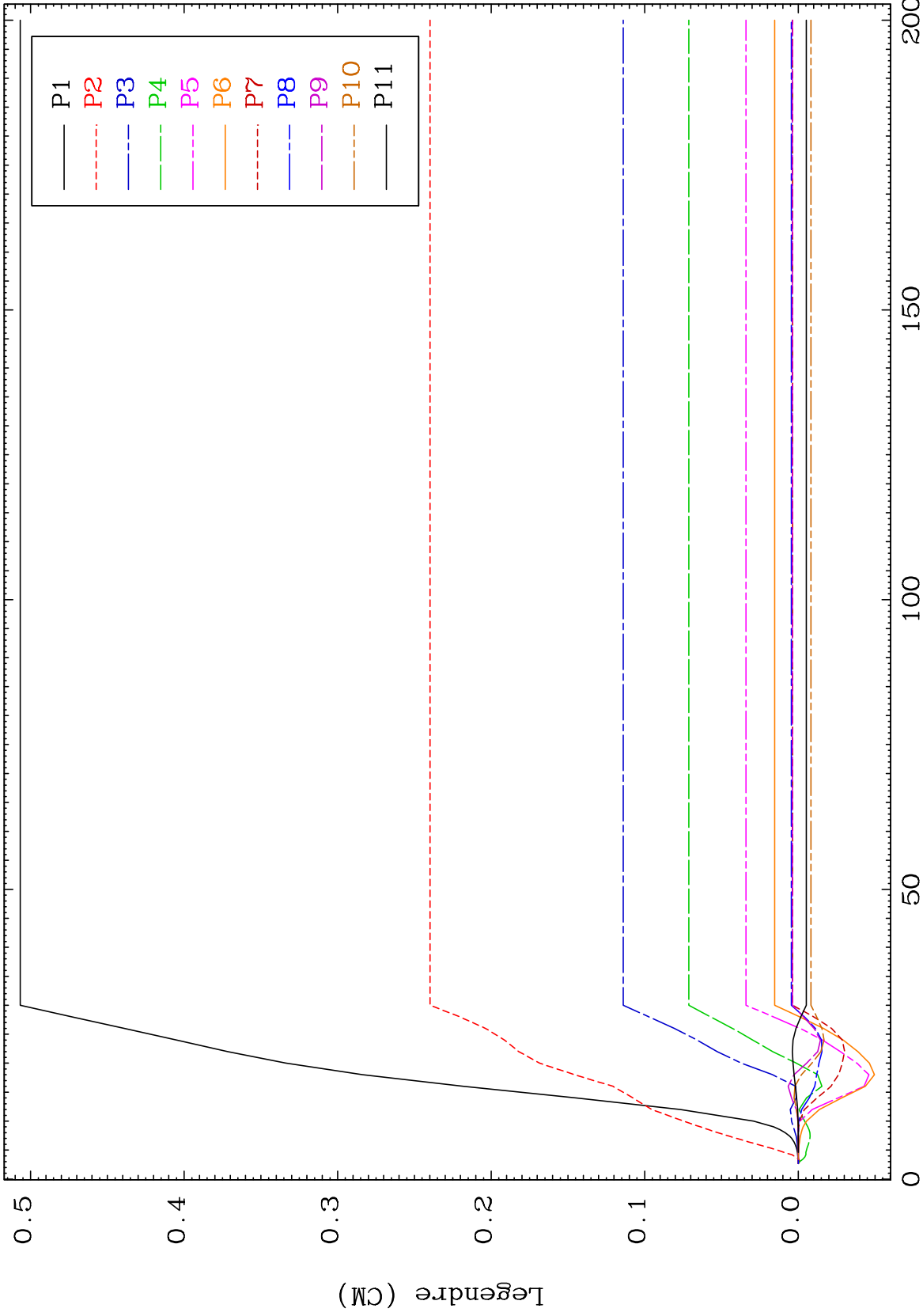
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



24

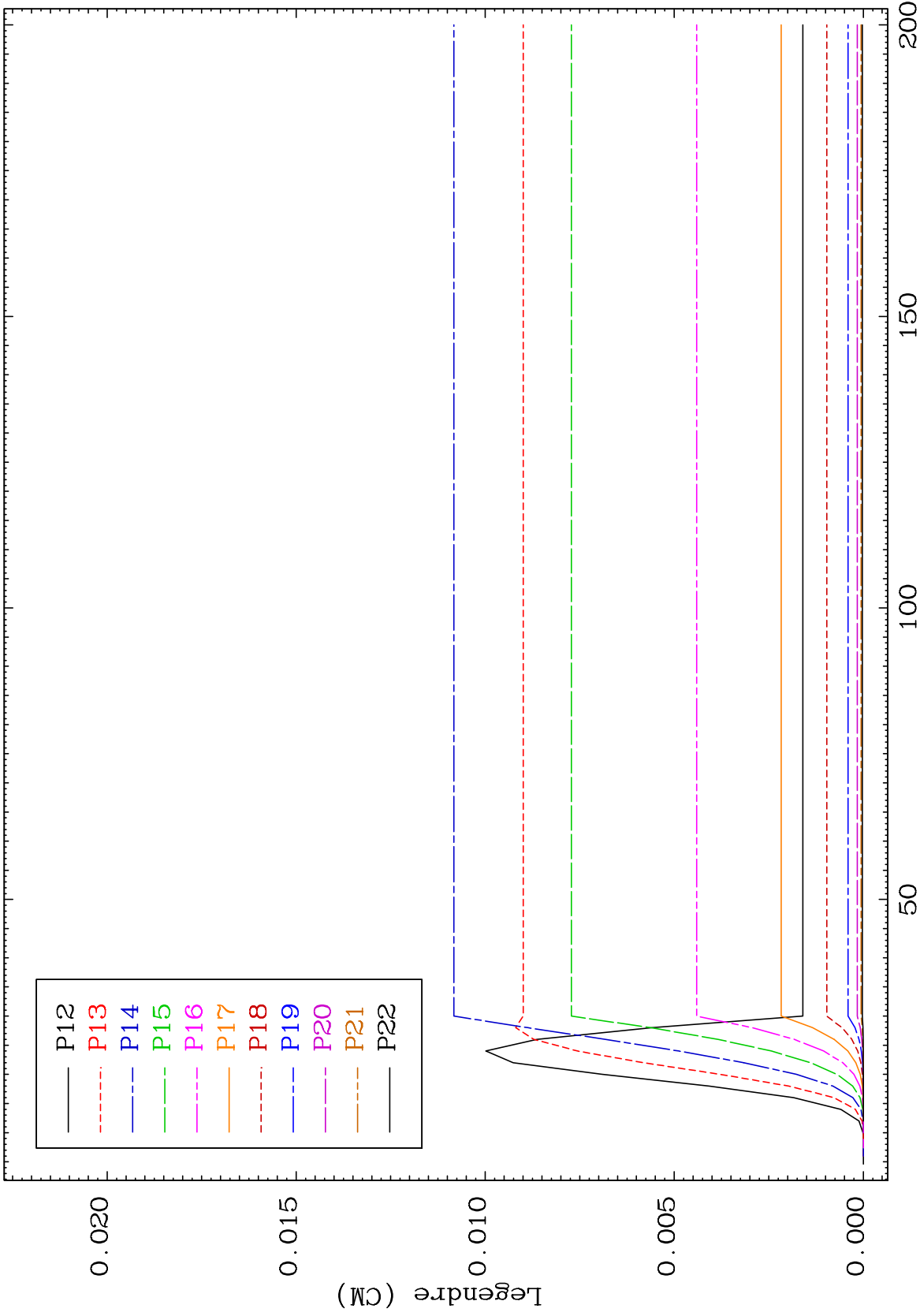
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



25

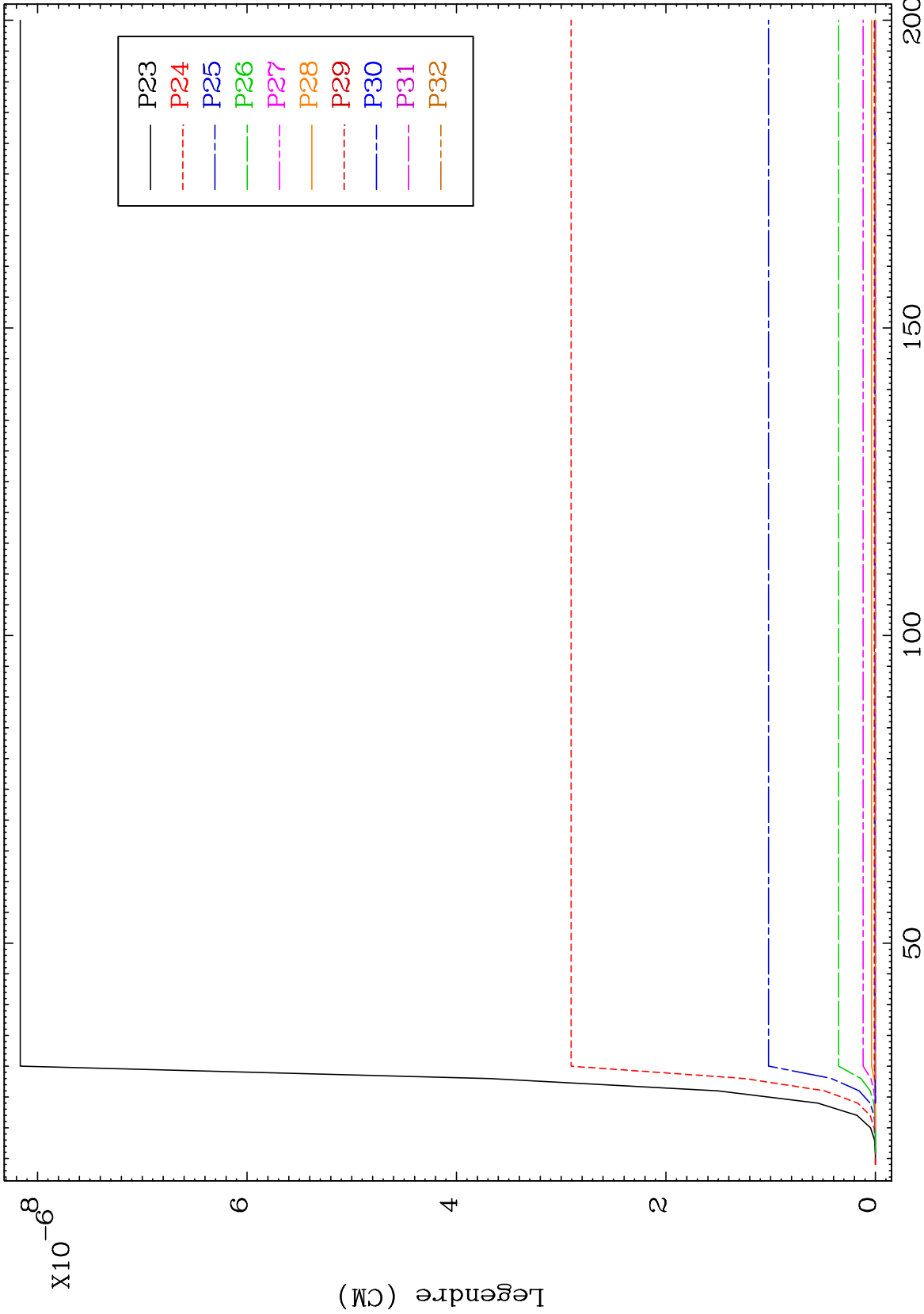
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54

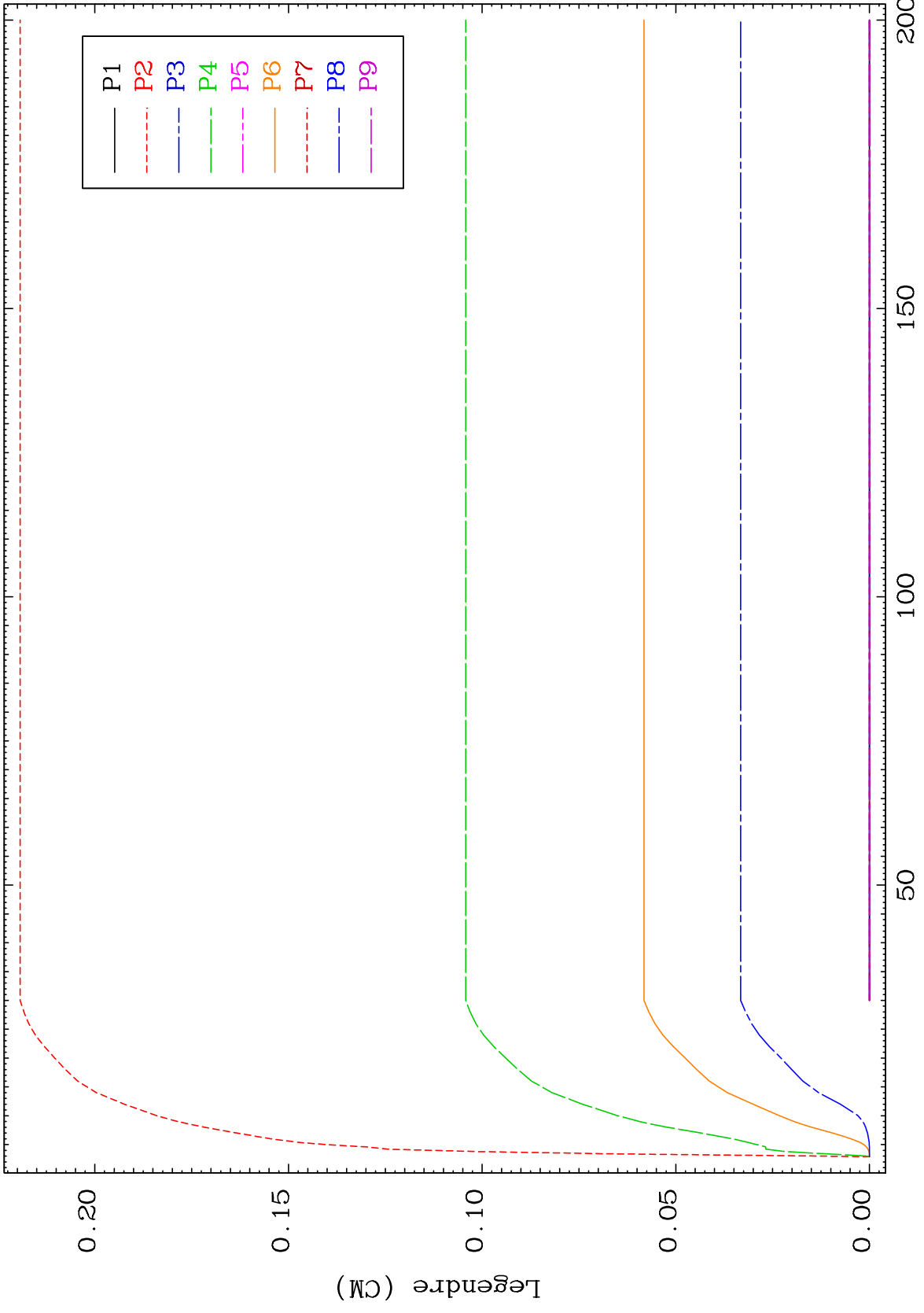


26

Incident Energy (MeV)

24-Cr-54

MAT 2437 MT= 54 (n,n') Level Legendre Coefficients 24-Cr-54

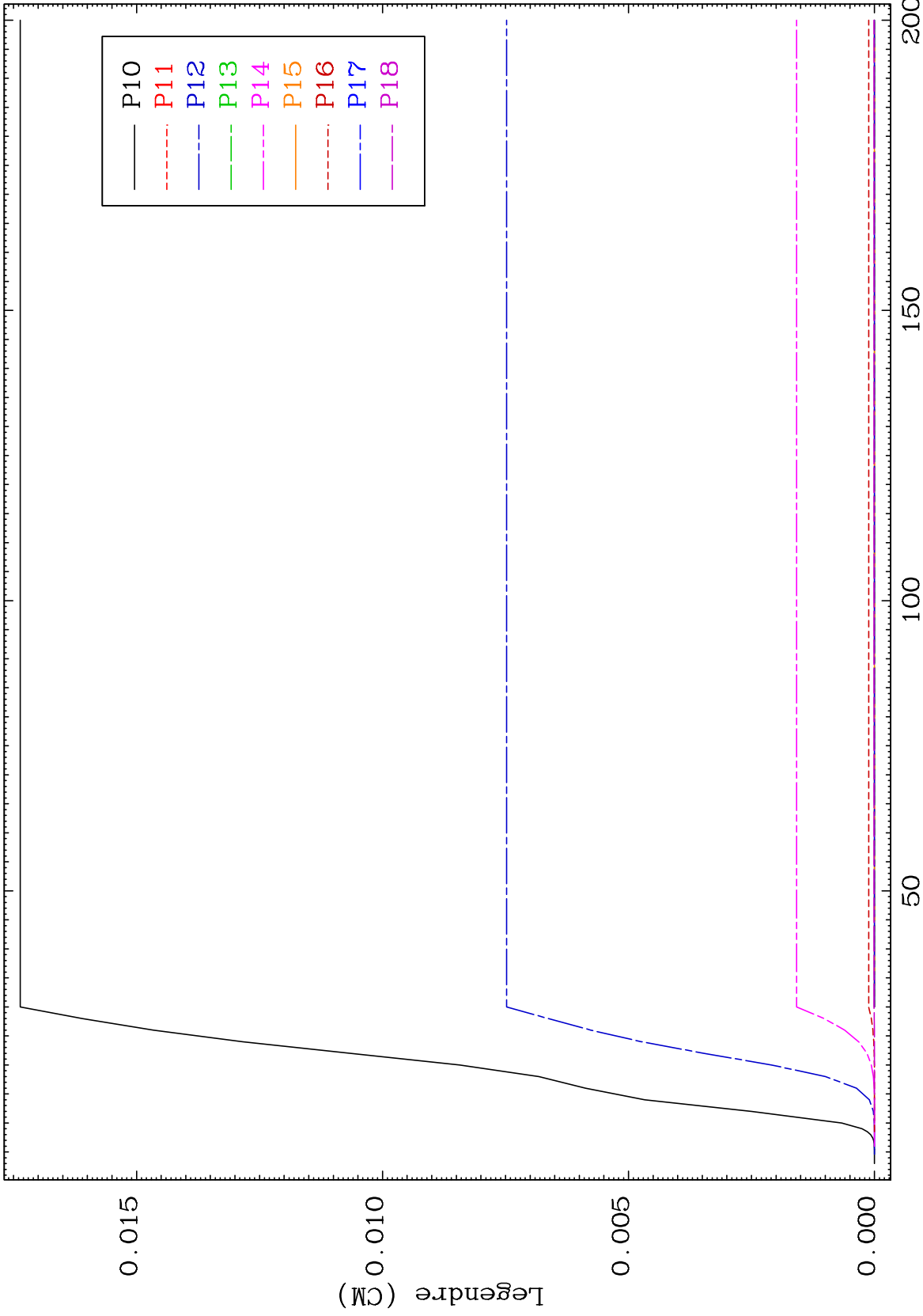


27 50 100 150 200 Incident Energy (MeV) 24-Cr-54

MAT 2437

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

24-Cr-54



28

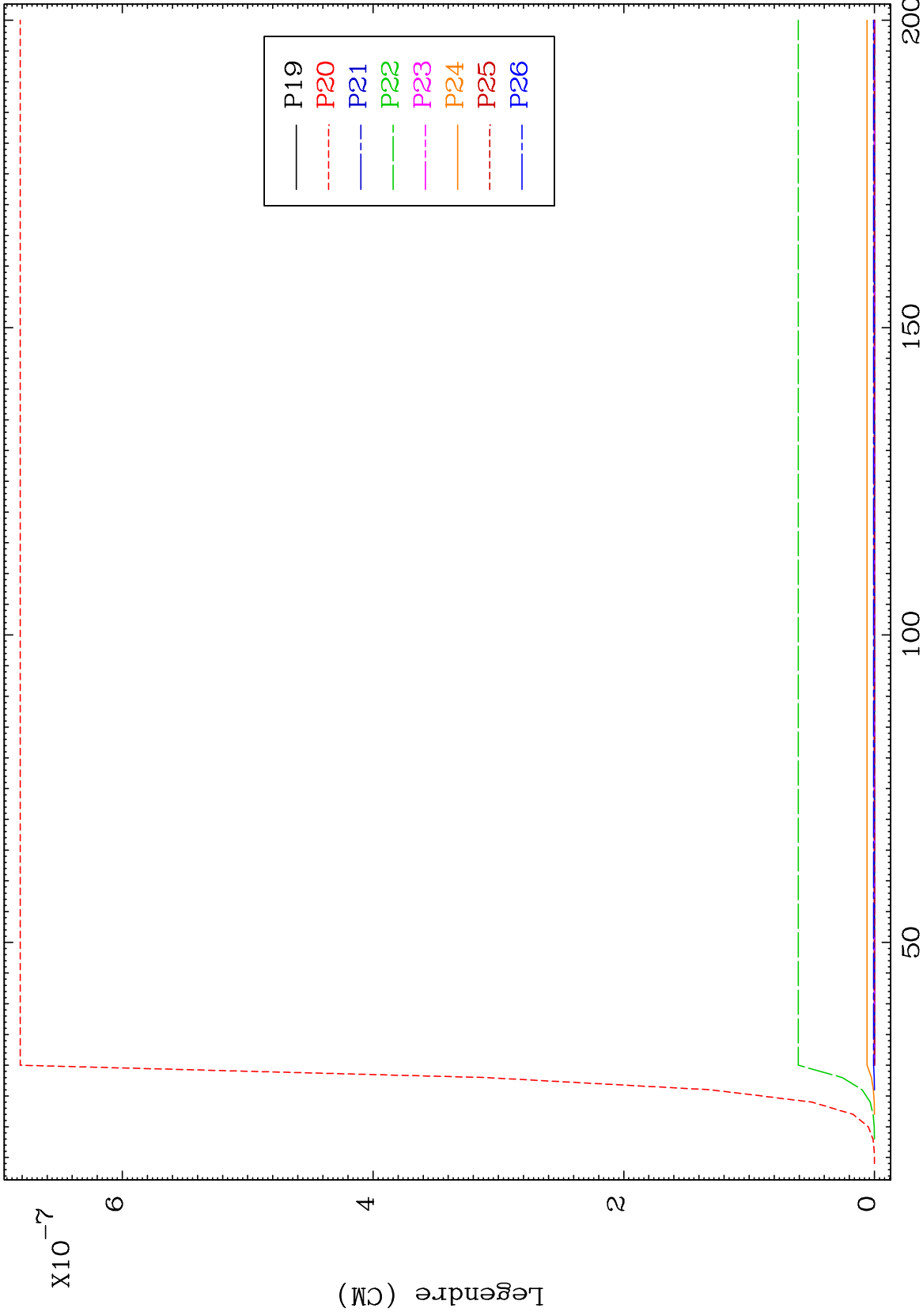
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



29

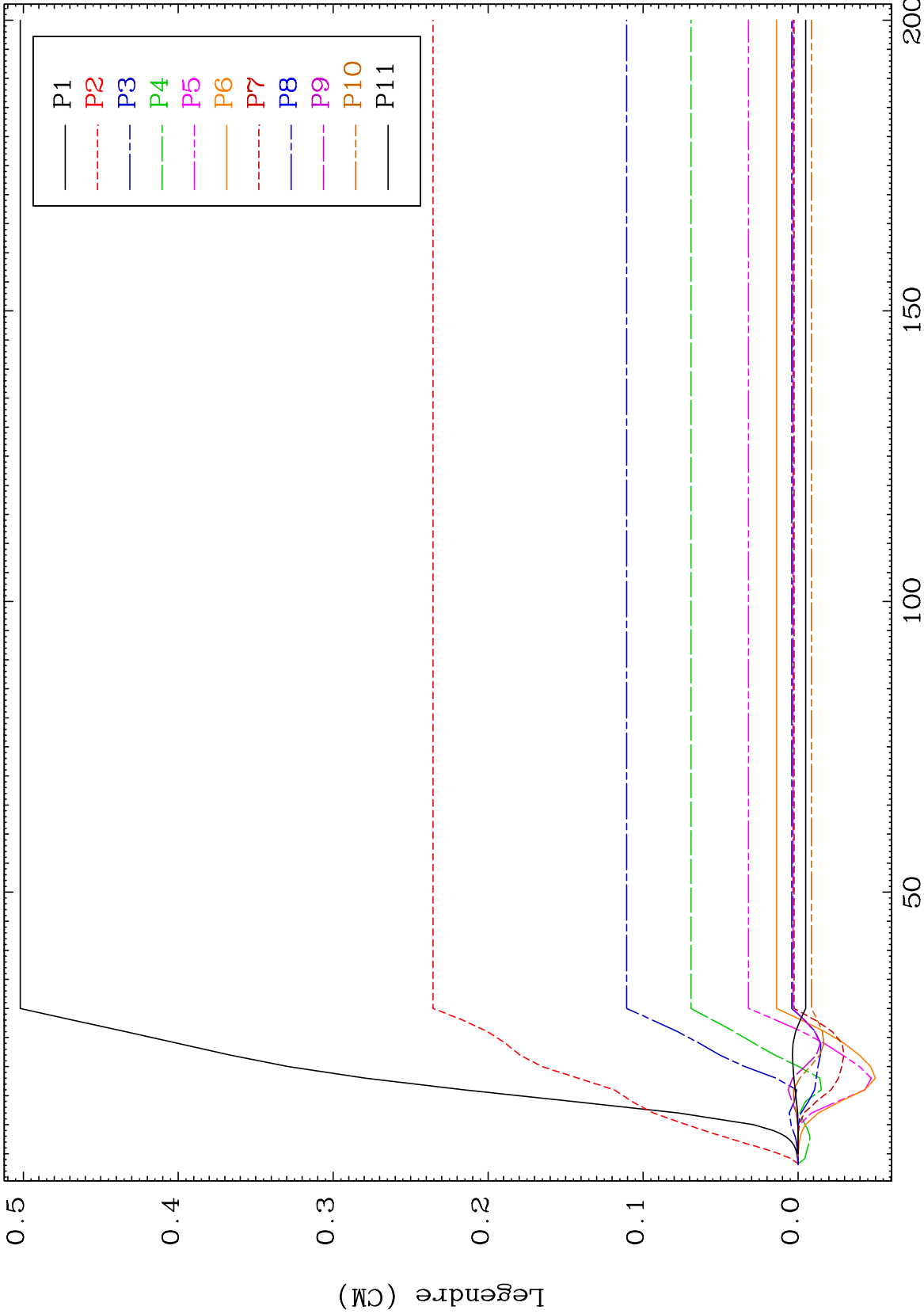
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

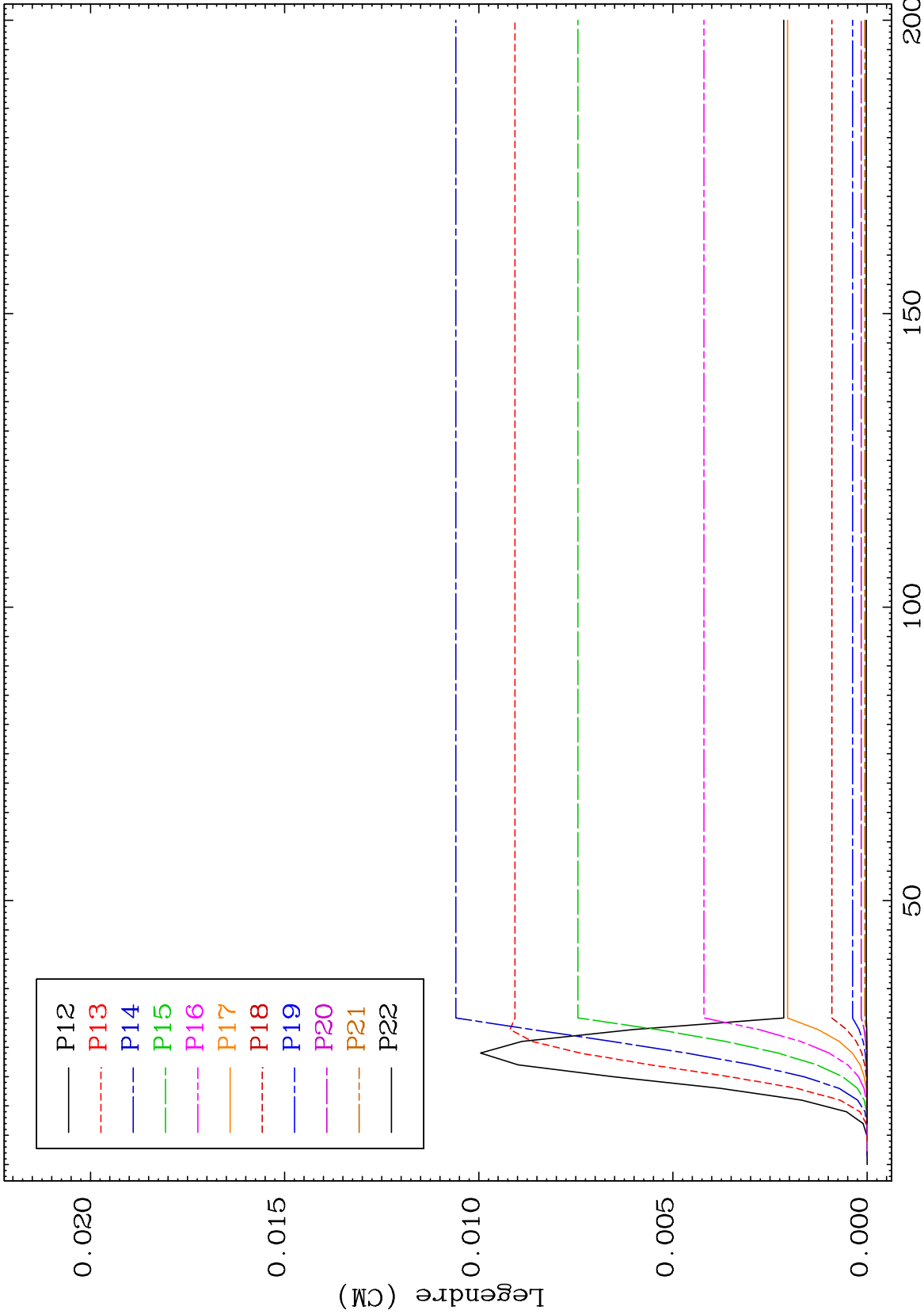
24-Cr-54



30

Incident Energy (MeV)

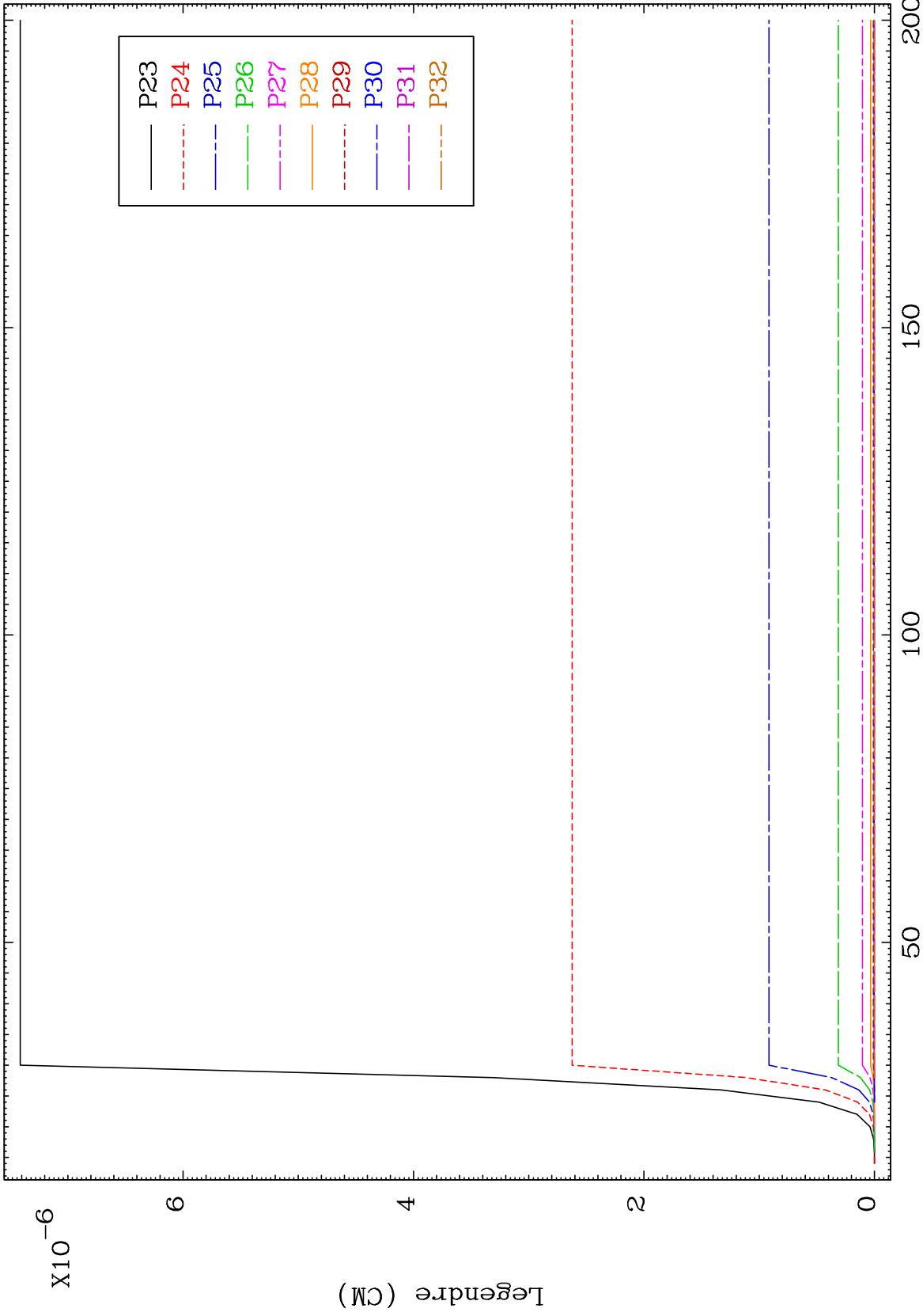
24-Cr-54



MAT 2437

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

24-Cr-54



32

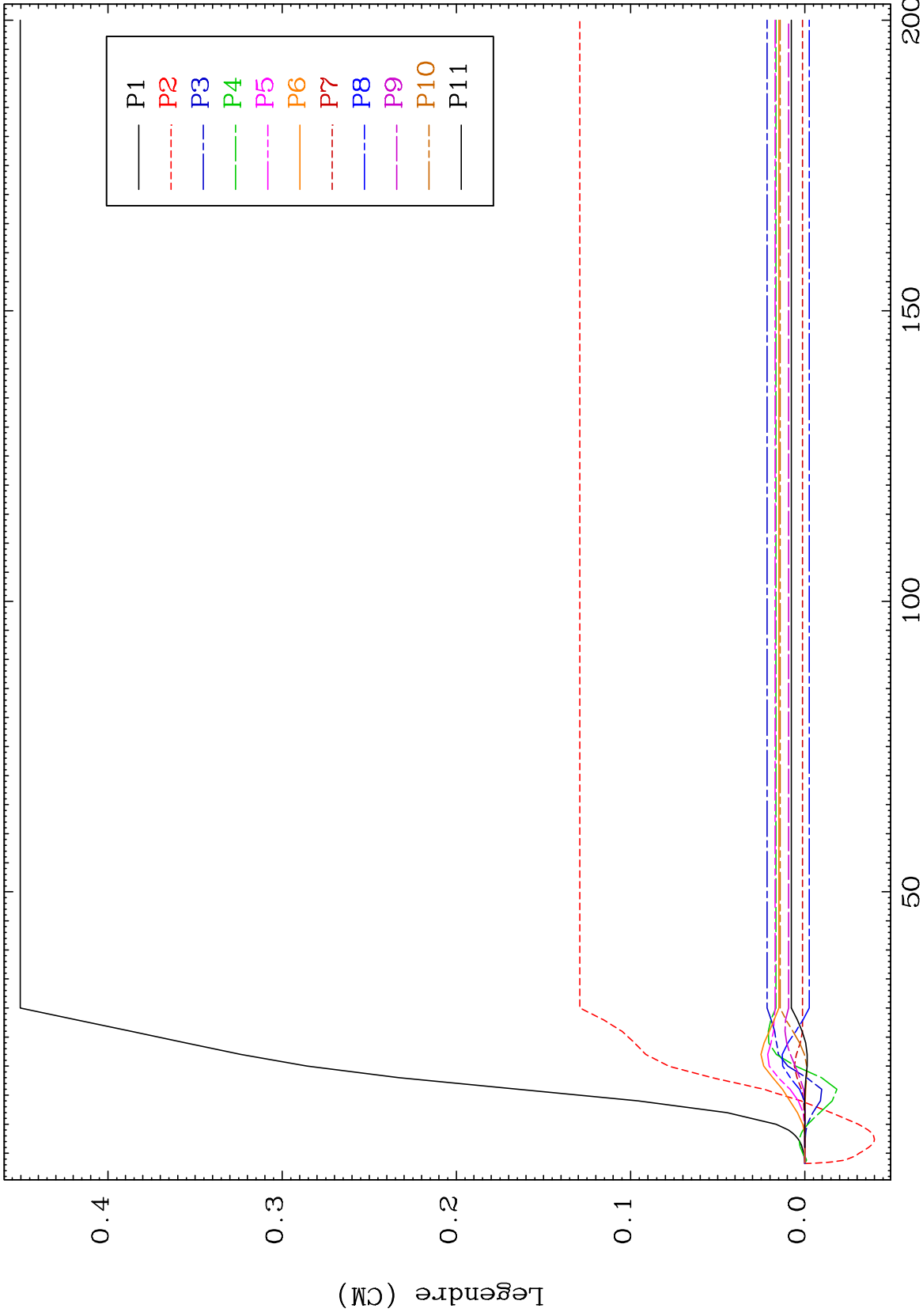
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



33

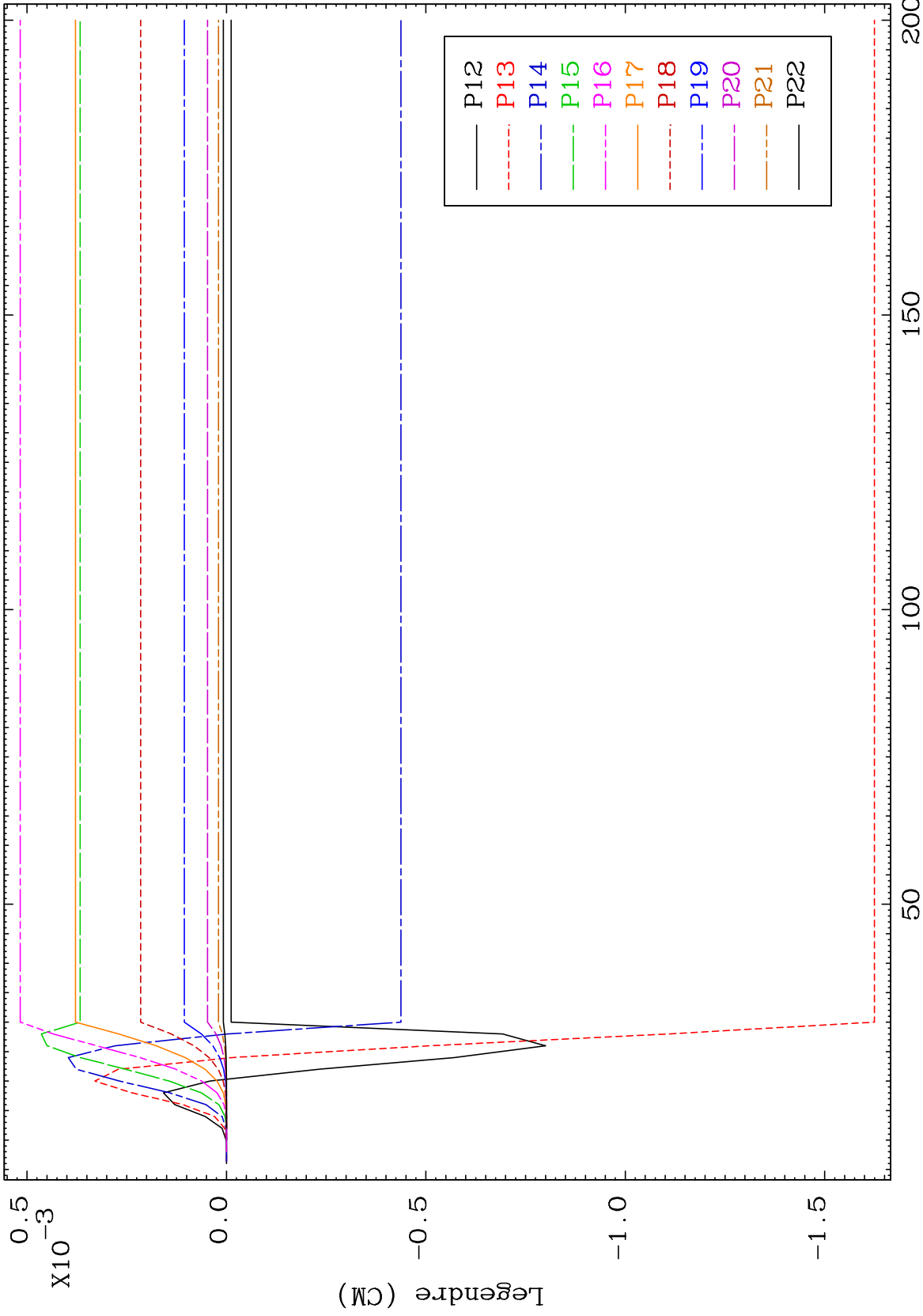
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



34

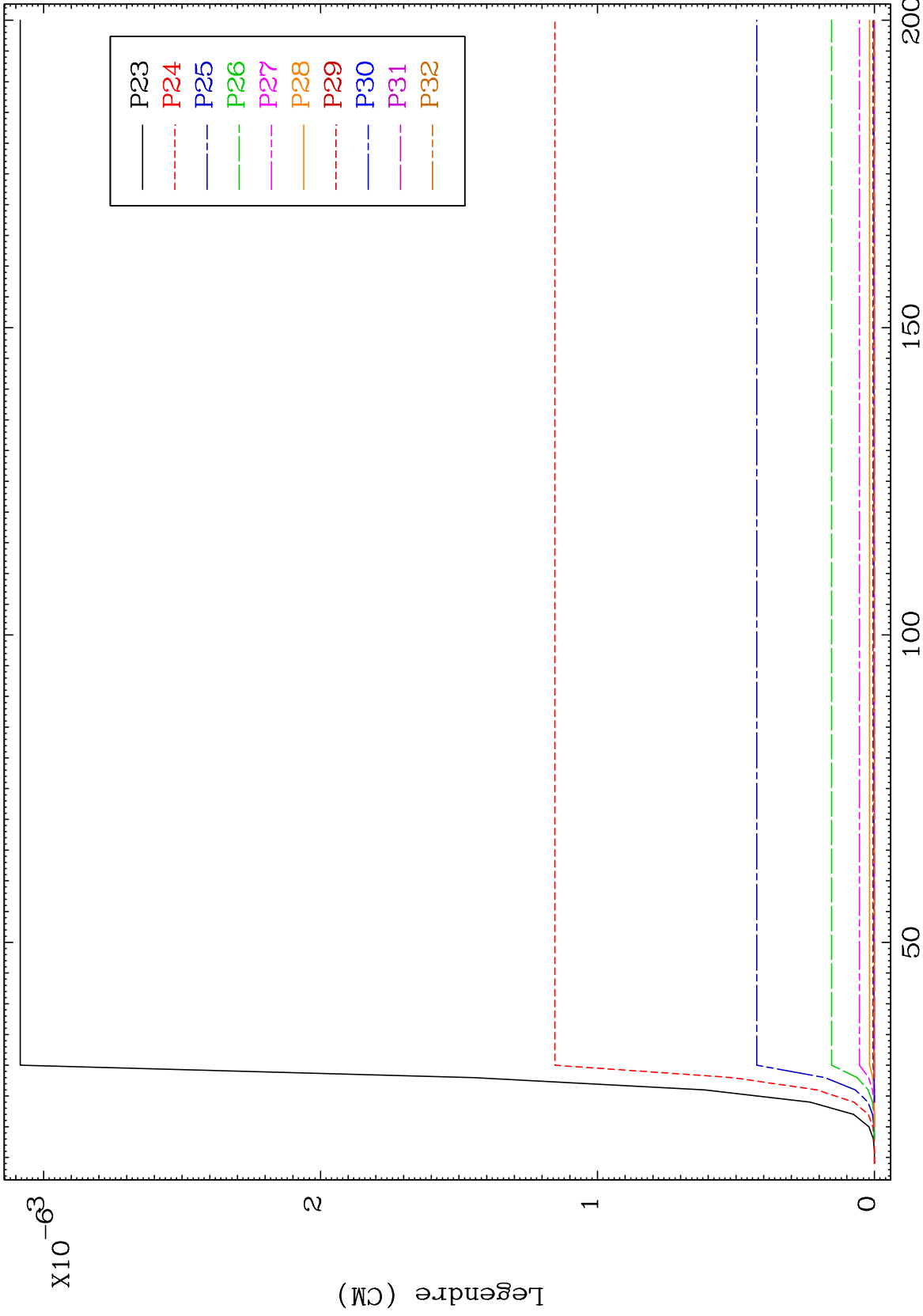
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



35

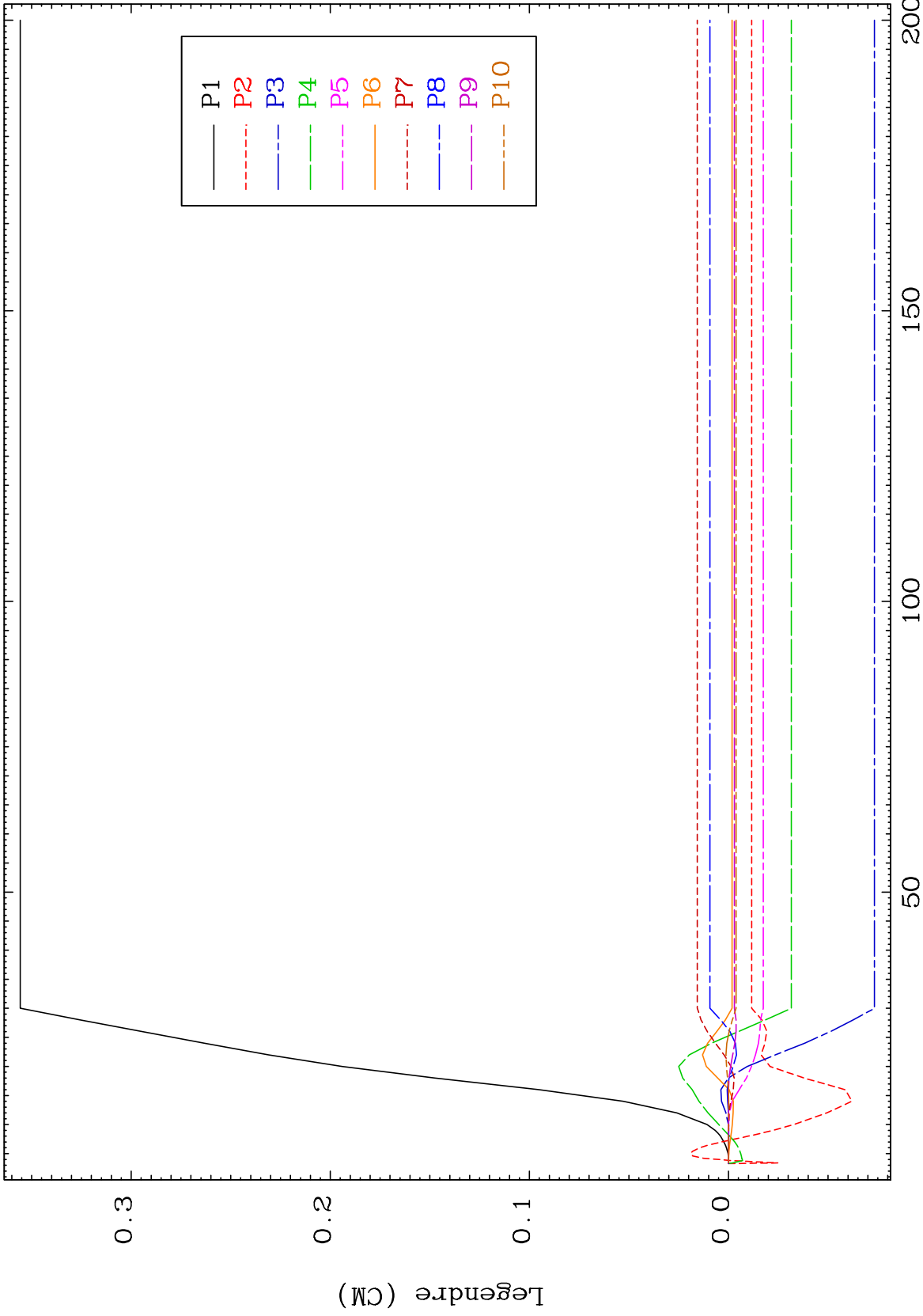
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



36

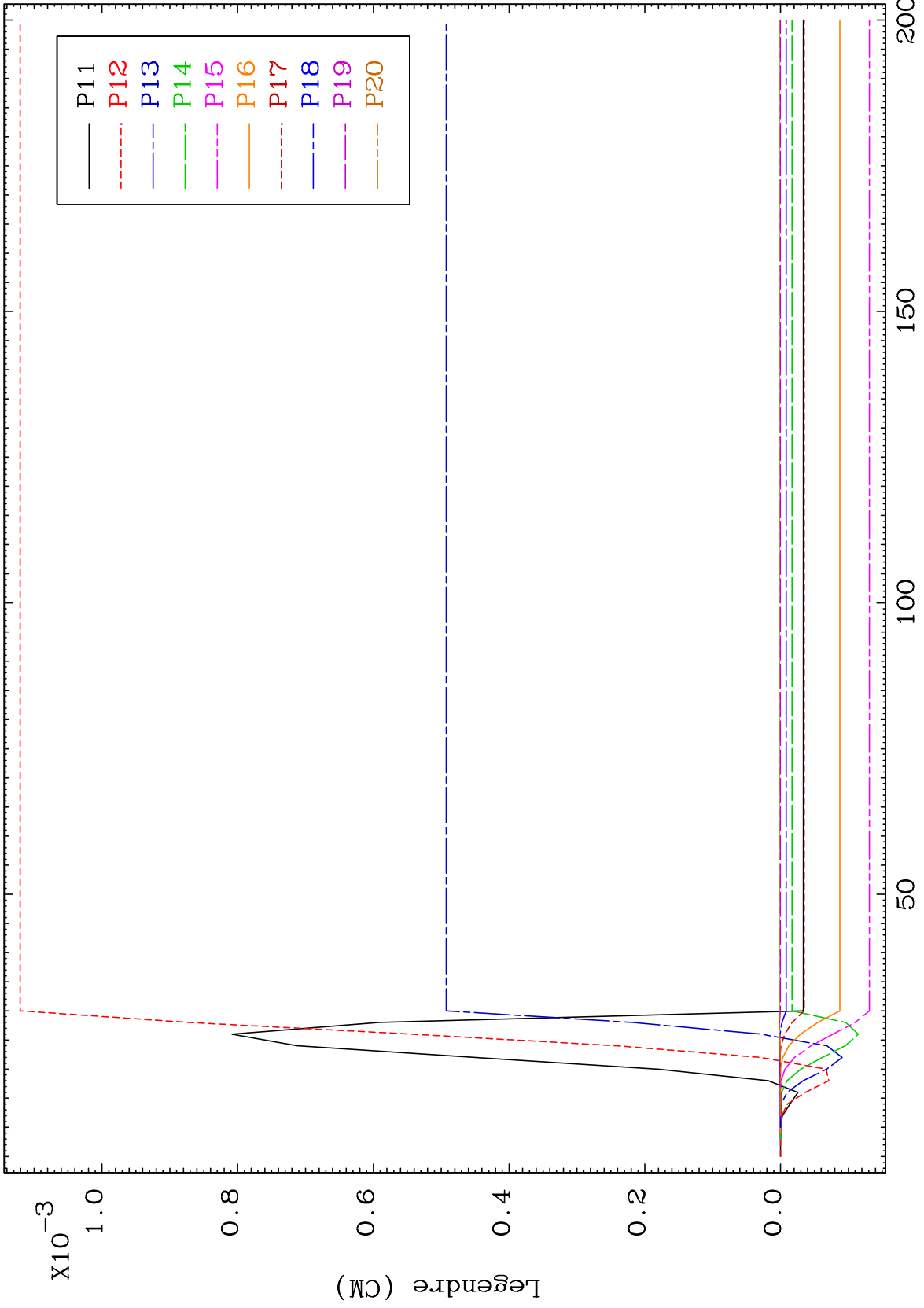
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



37

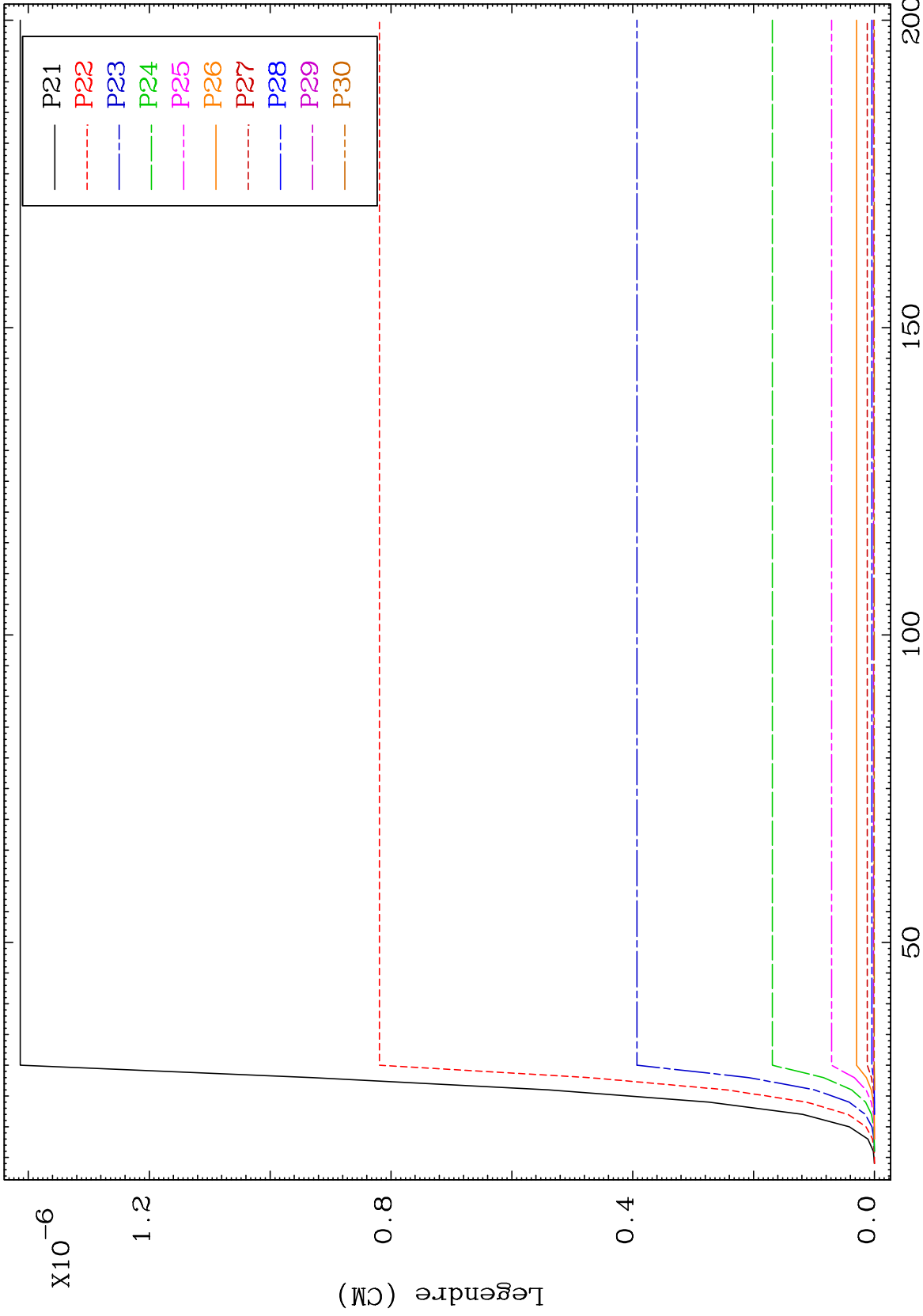
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54

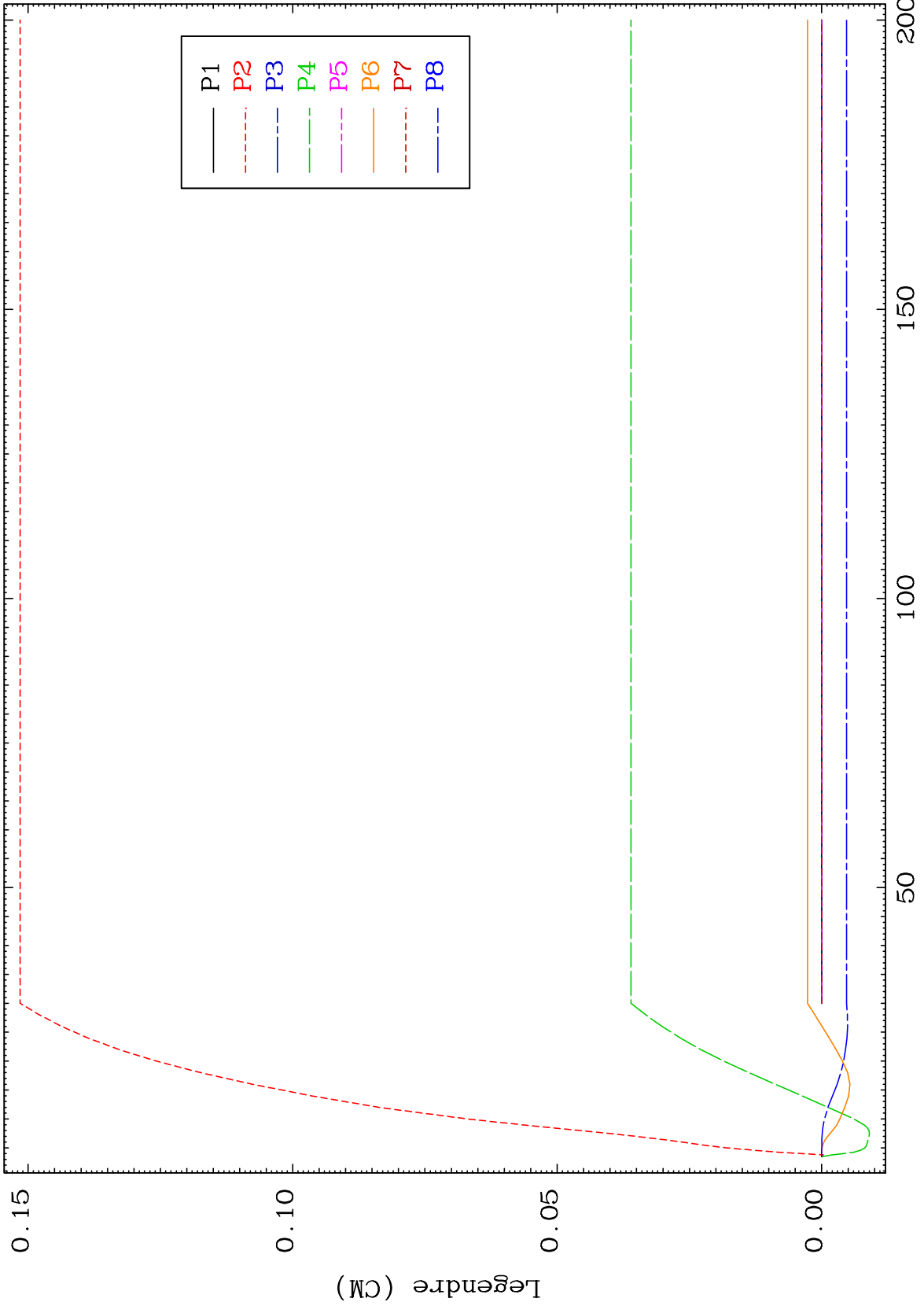


38

Incident Energy (MeV)

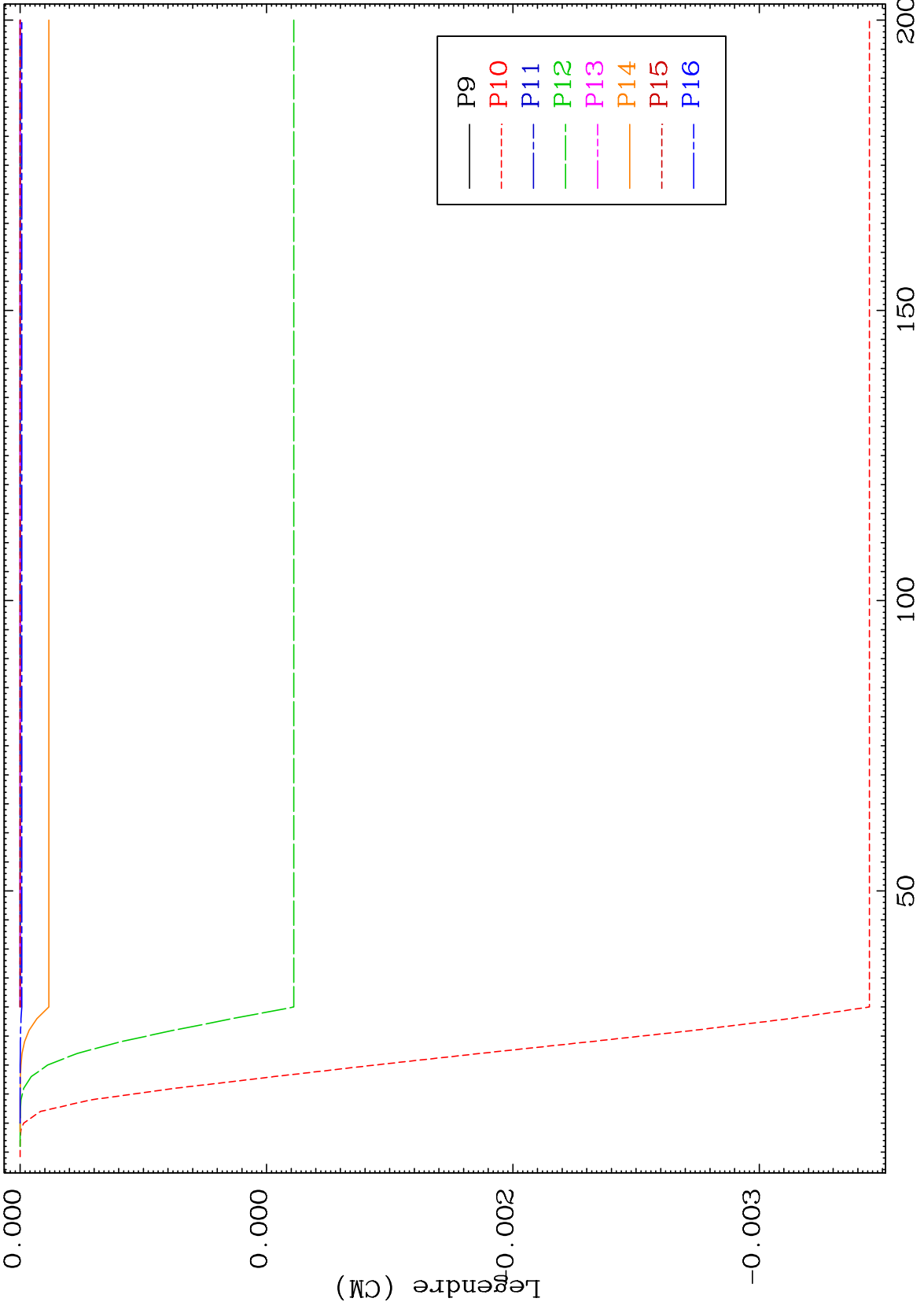
24-Cr-54

MAT 2437 MT= 58 (n,n') Level Legendre Coefficients 24-Cr-54



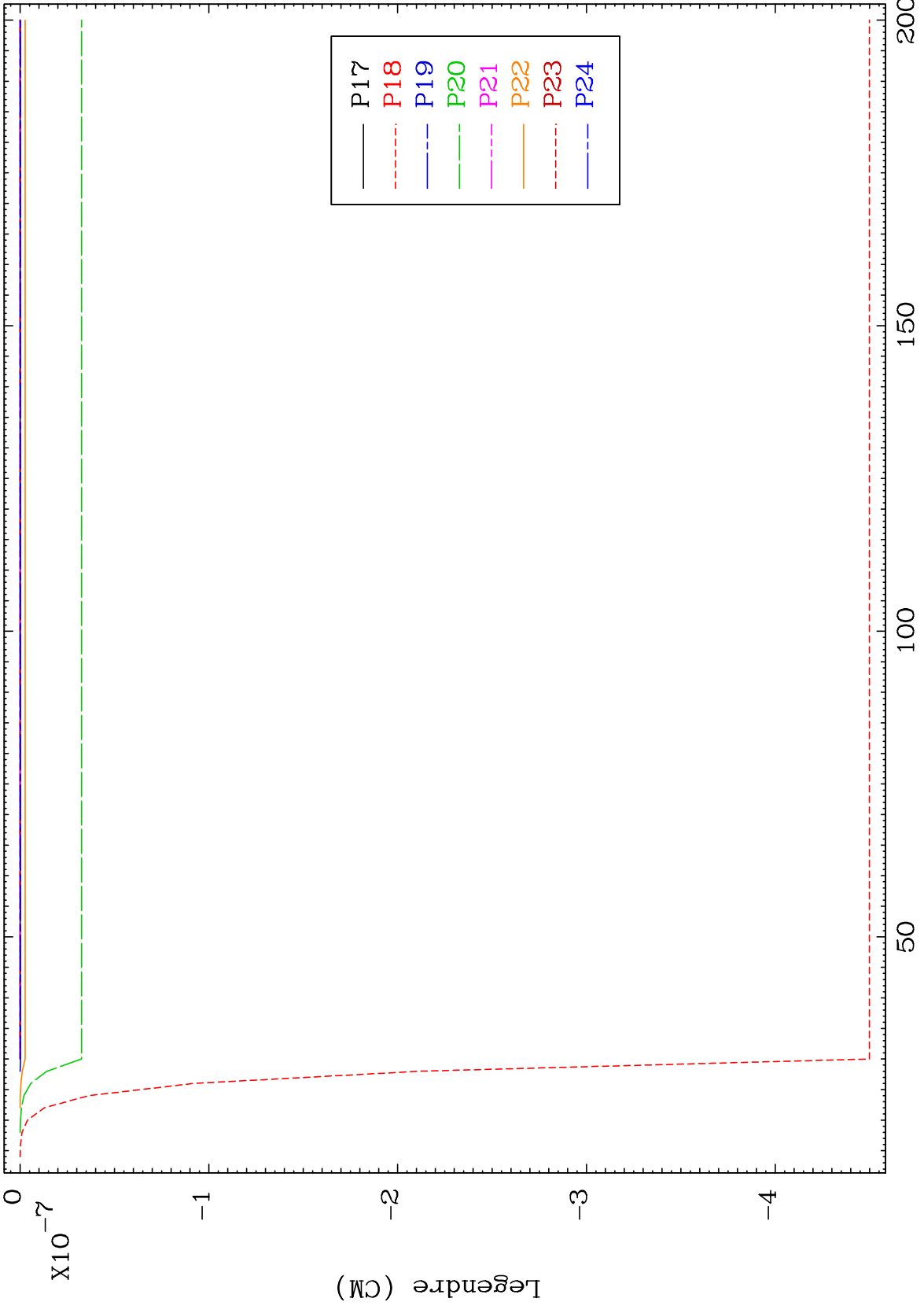
39 Incident Energy (MeV) 24-Cr-54

MAT 2437 MT= 58 (n,n') Level Legendre Coefficients 24-Cr-54



40 Incident Energy (MeV) 24-Cr-54

MAT 2437 MT= 58 (n,n') Level Legendre Coefficients 24-Cr-54

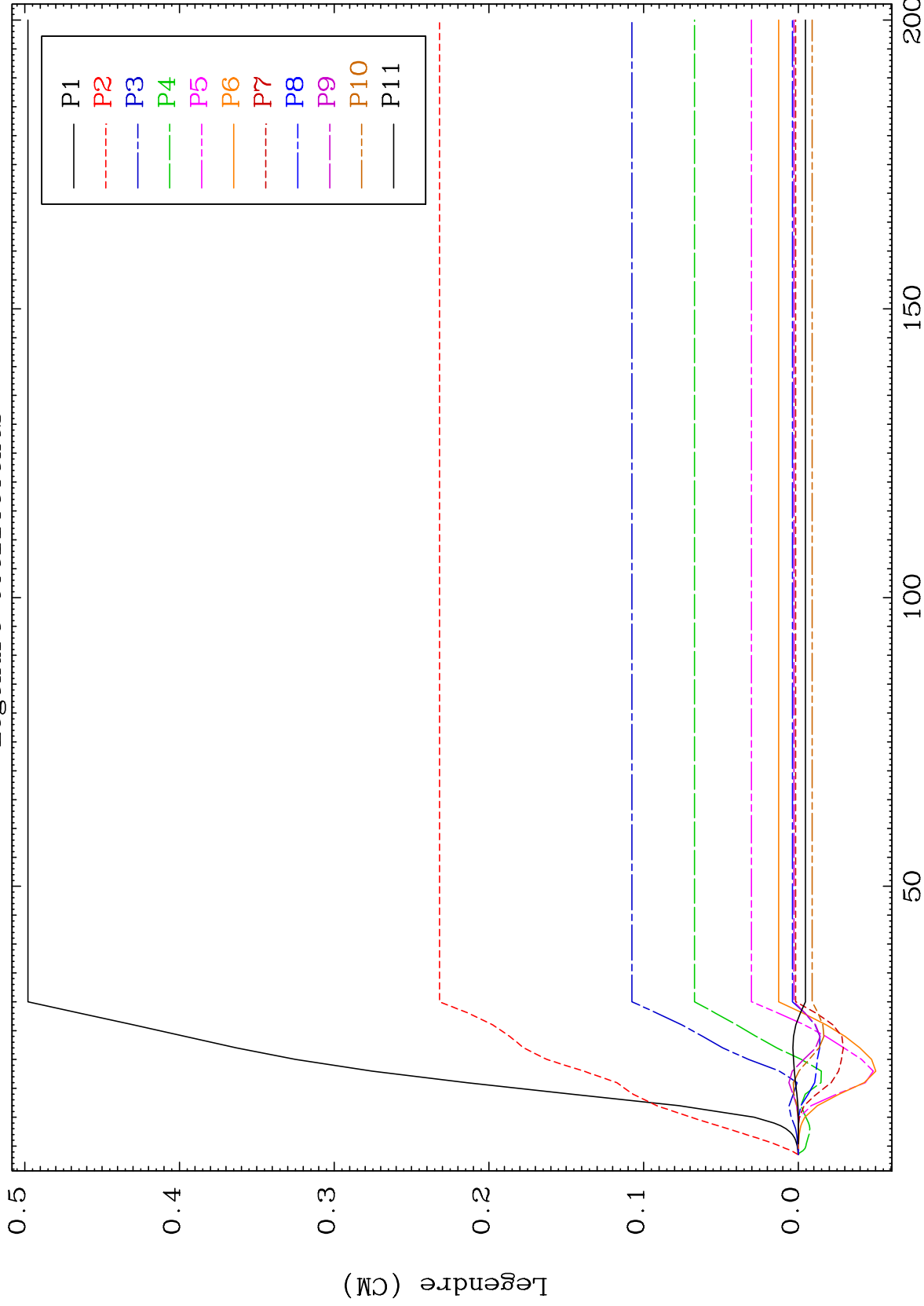


41 24-Cr-54

MAT 2437

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

24-Cr-54



42

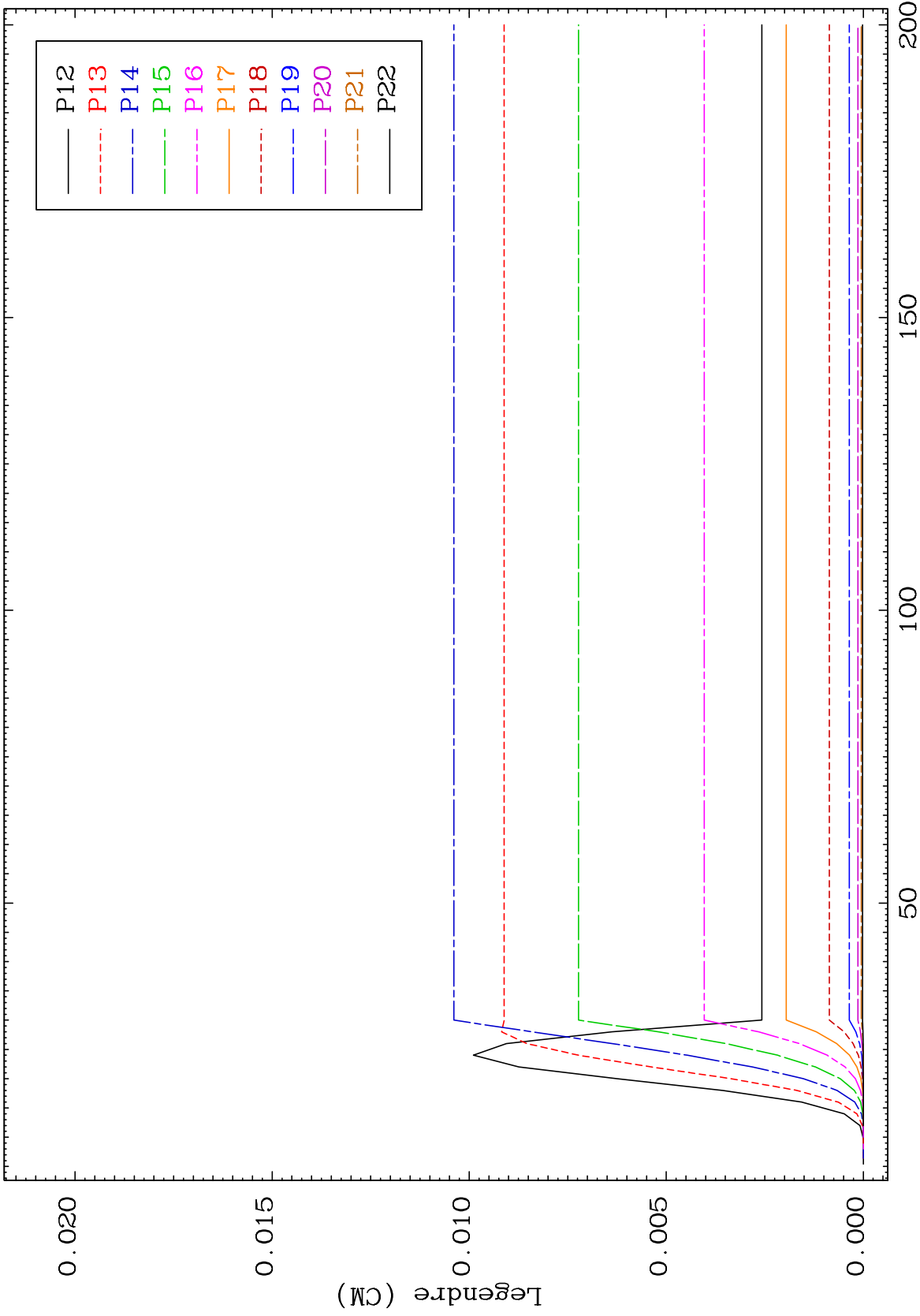
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



43

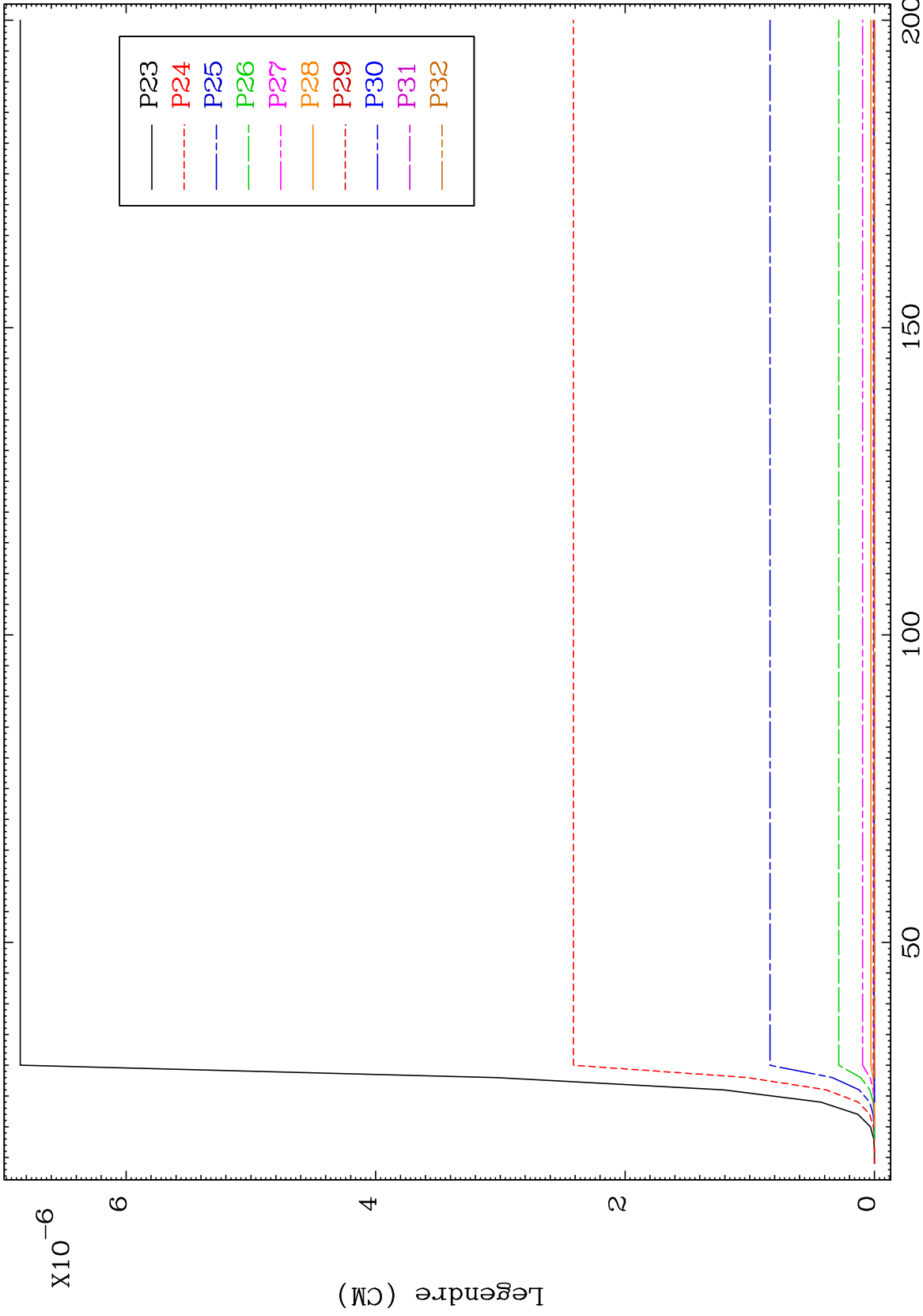
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



44

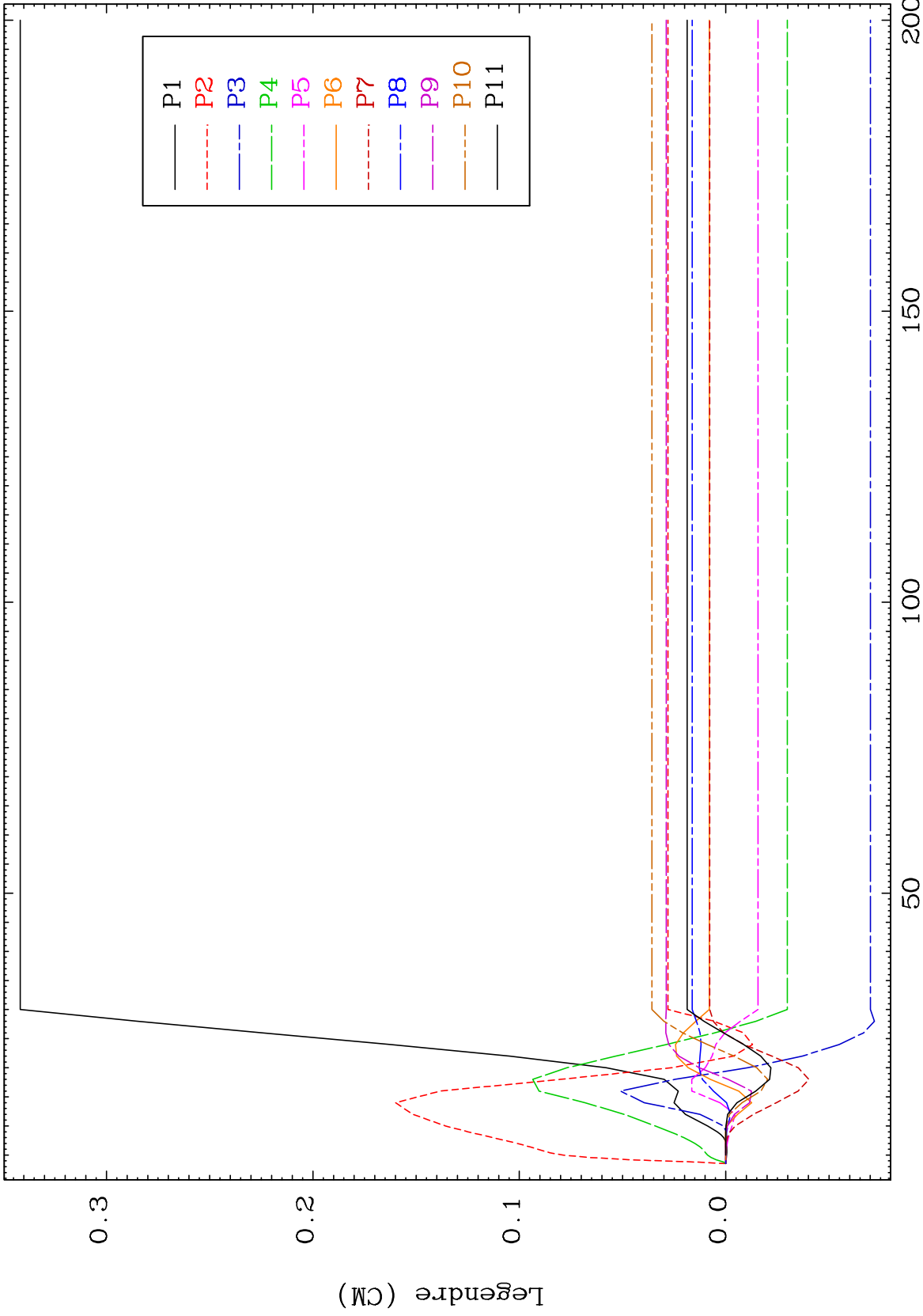
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



45

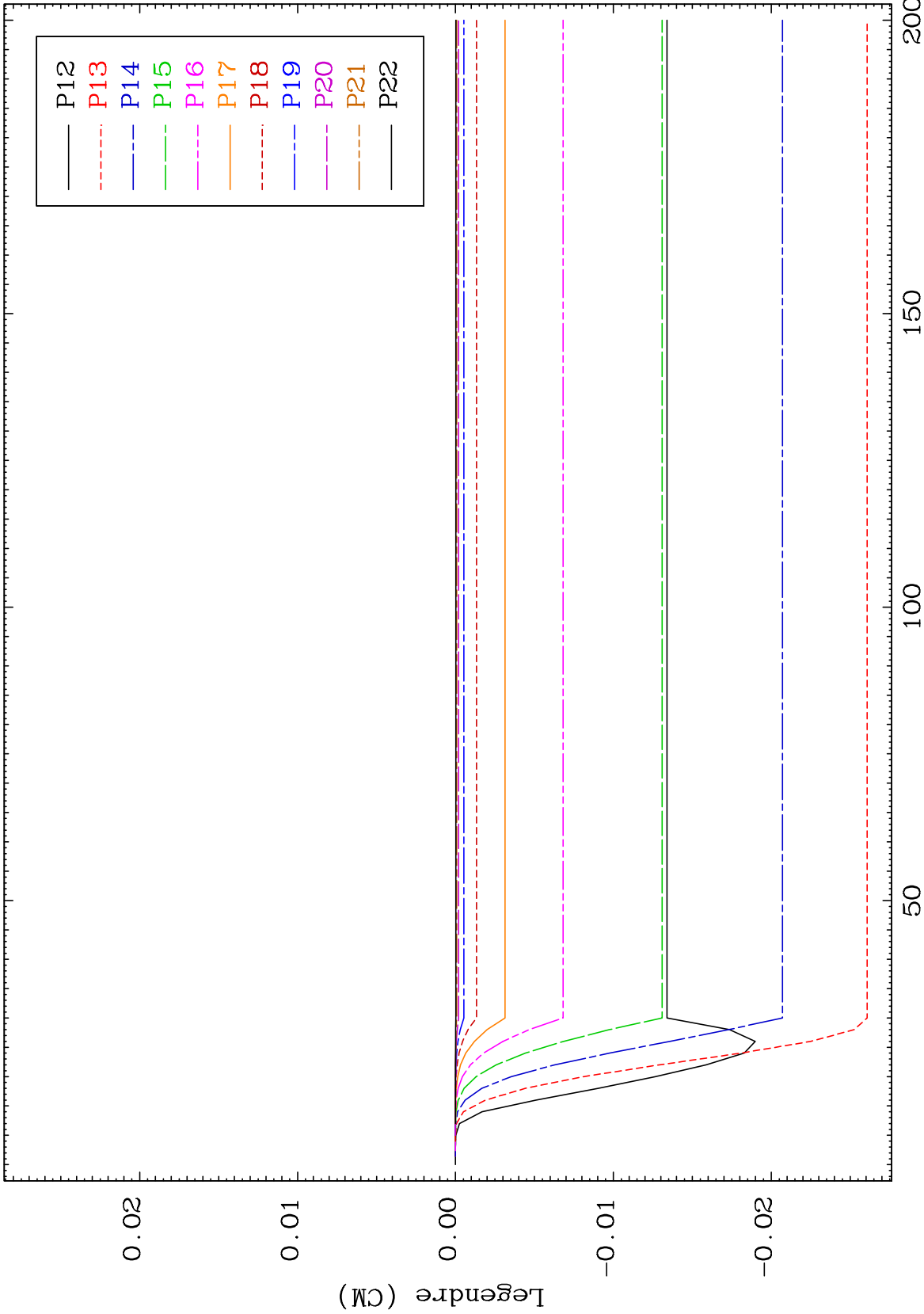
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



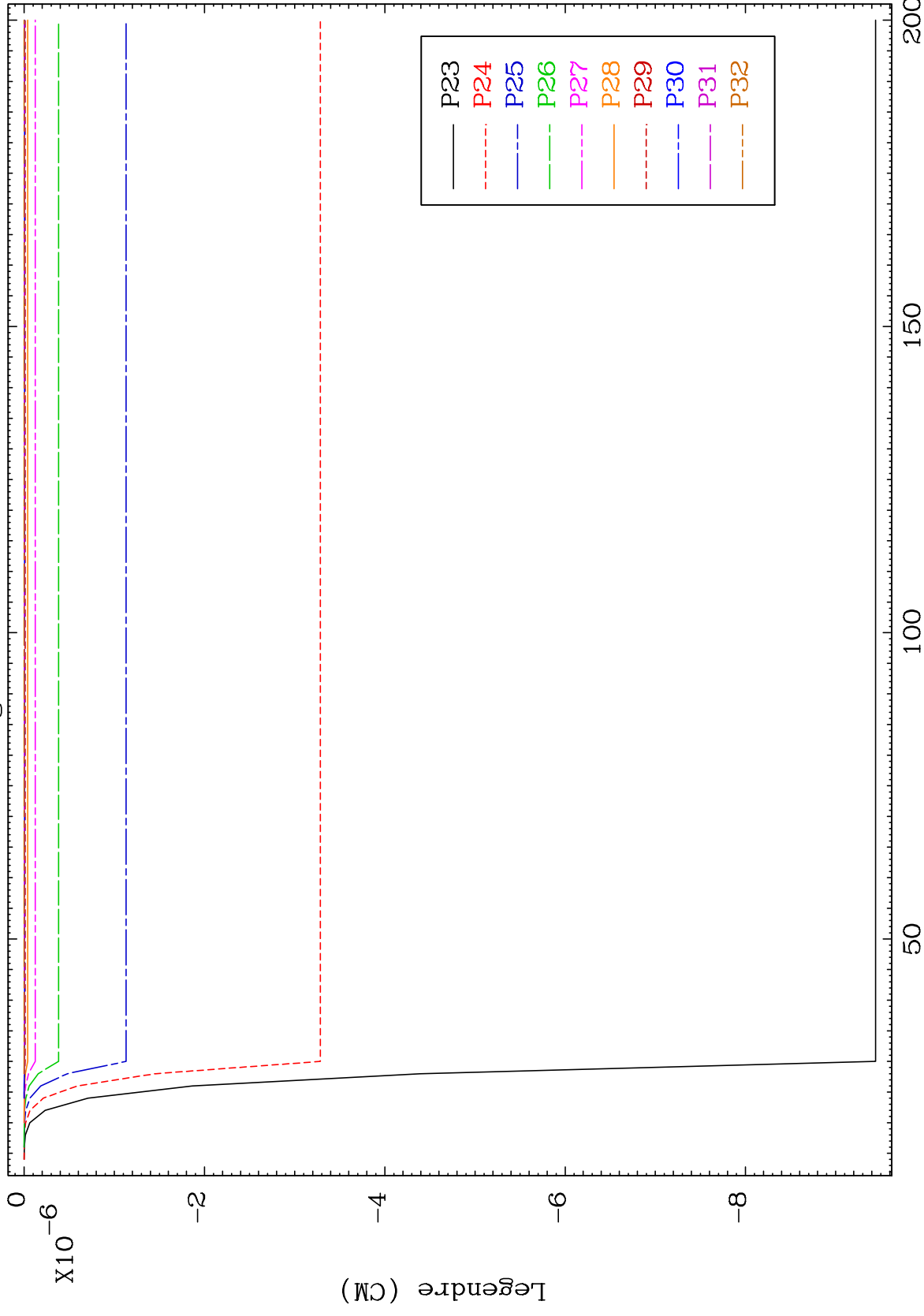
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24-Cr-54

MAT 2437

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

24-Cr-54



24-Cr-54

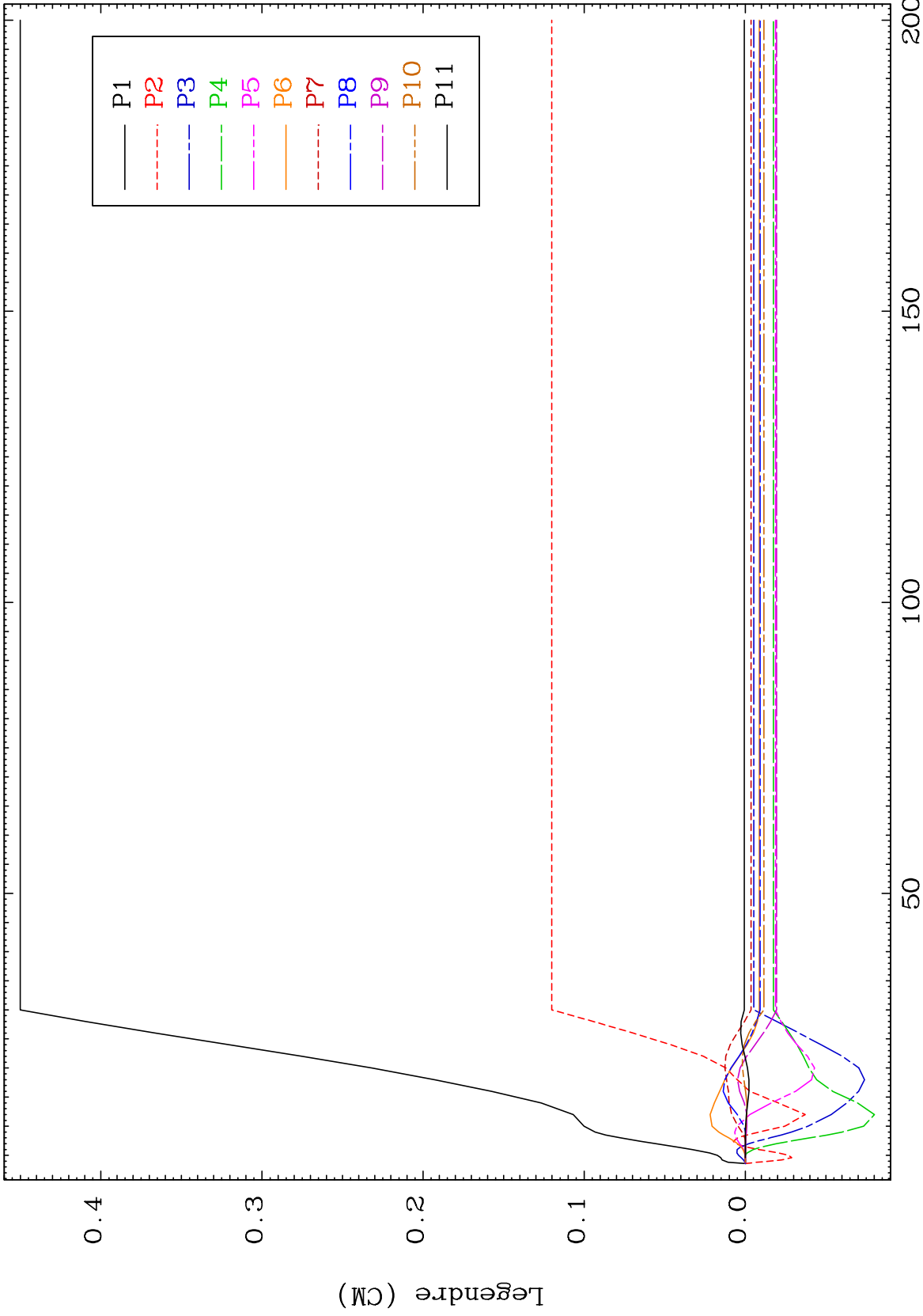
Incident Energy (MeV)

47

MAT 2437

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

24-Cr-54



48

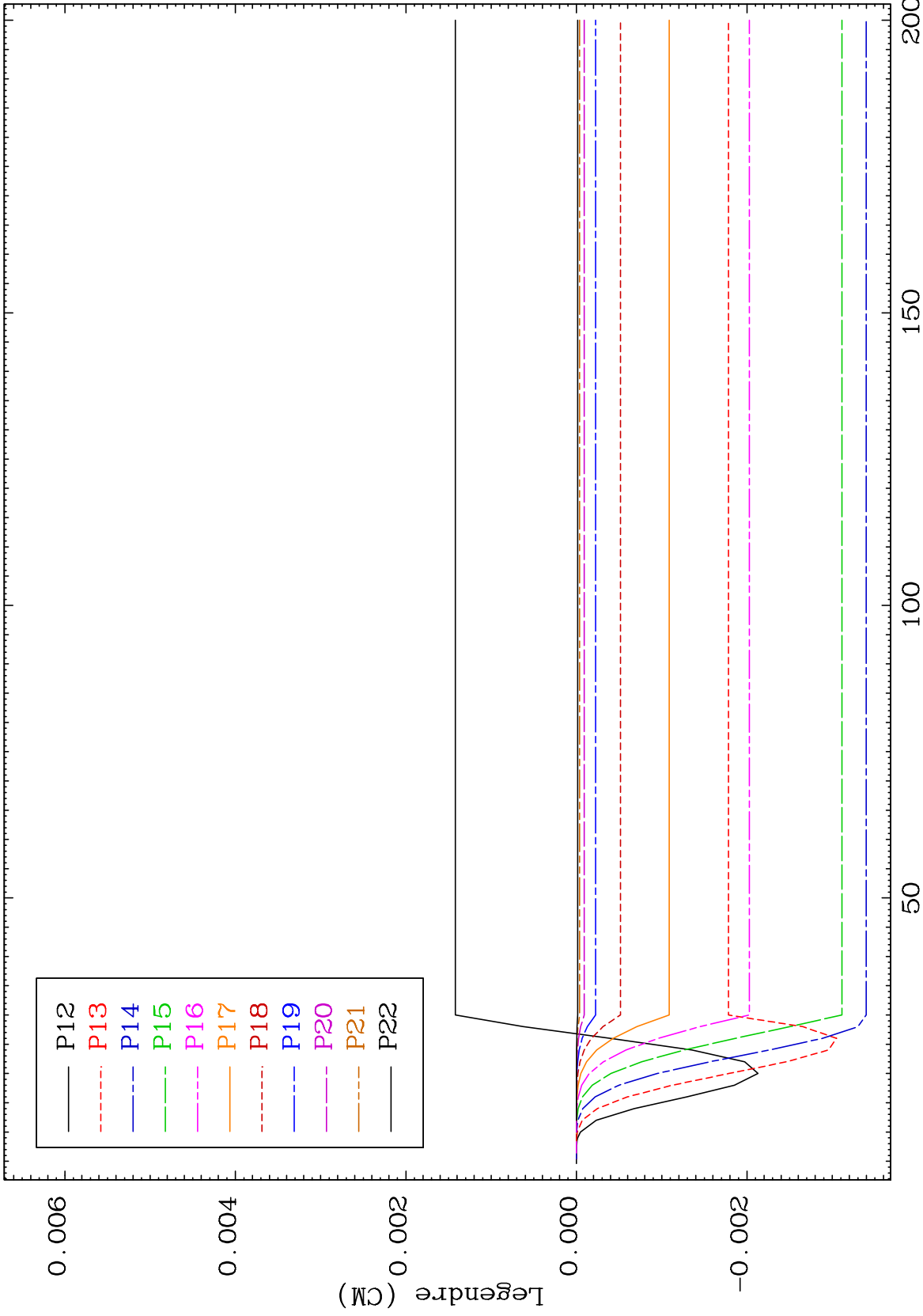
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

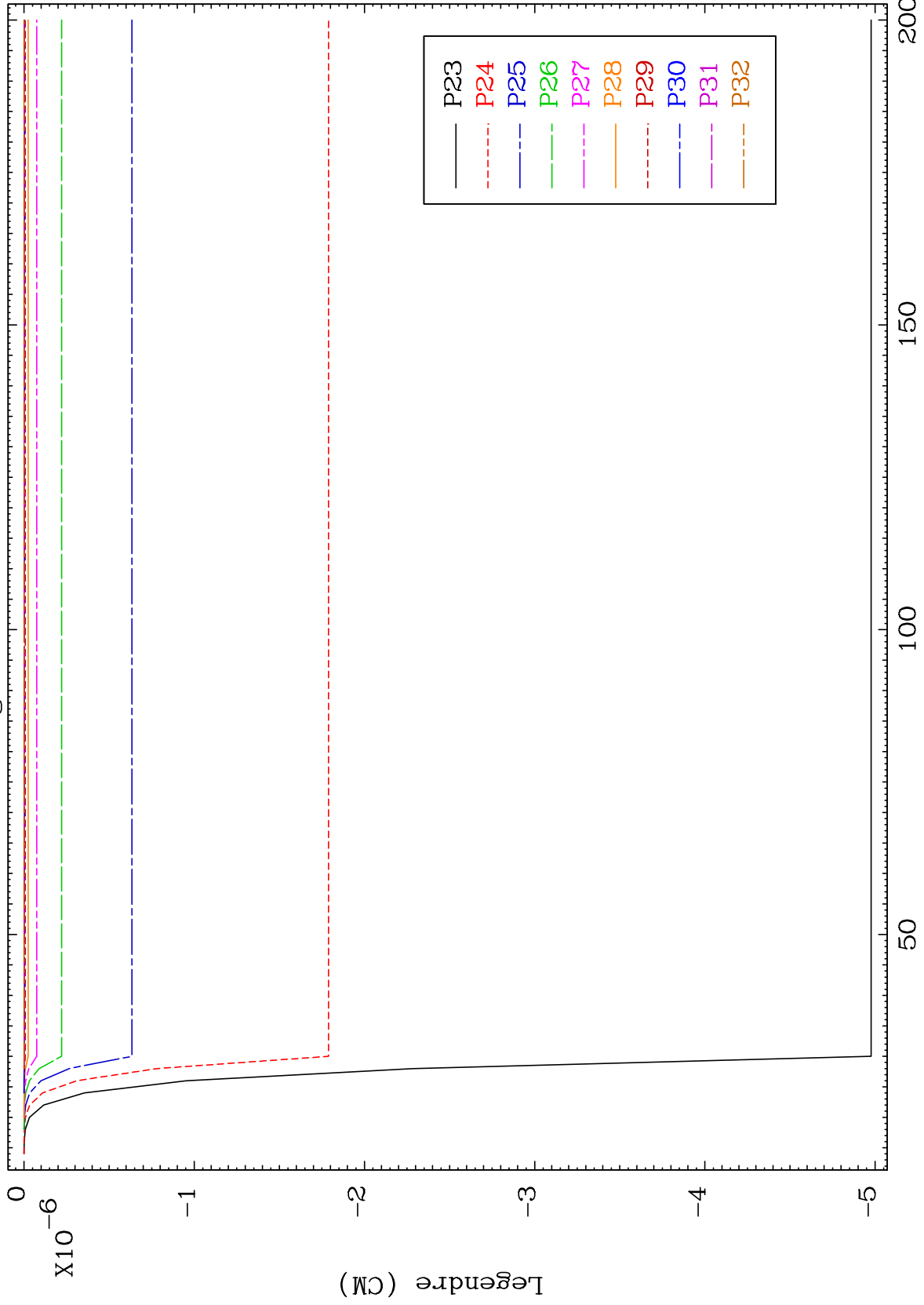
24-Cr-54



MAT 2437

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

24-Cr-54



24-Cr-54

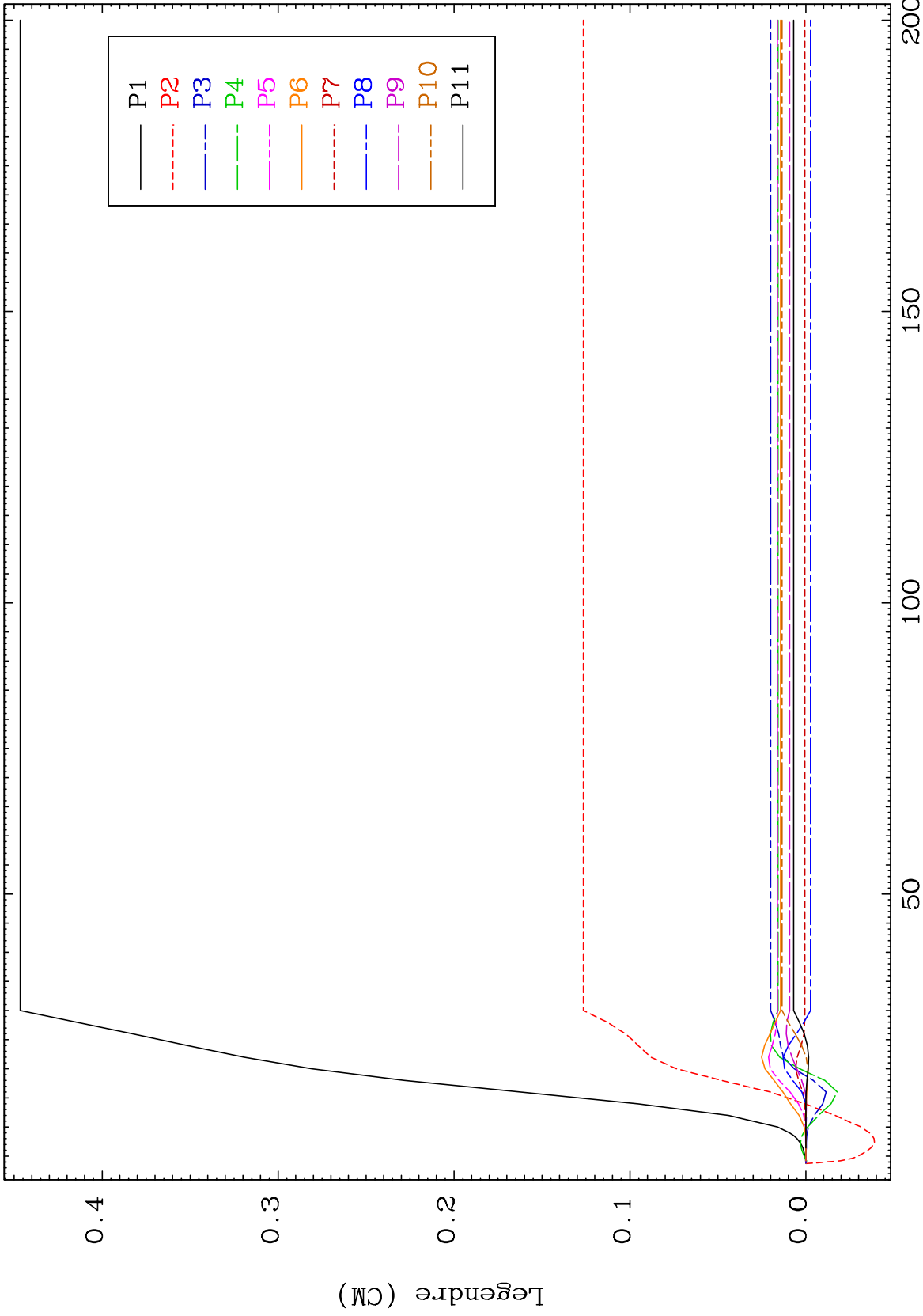
Incident Energy (MeV)

50

MAT 2437

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

24-Cr-54



51

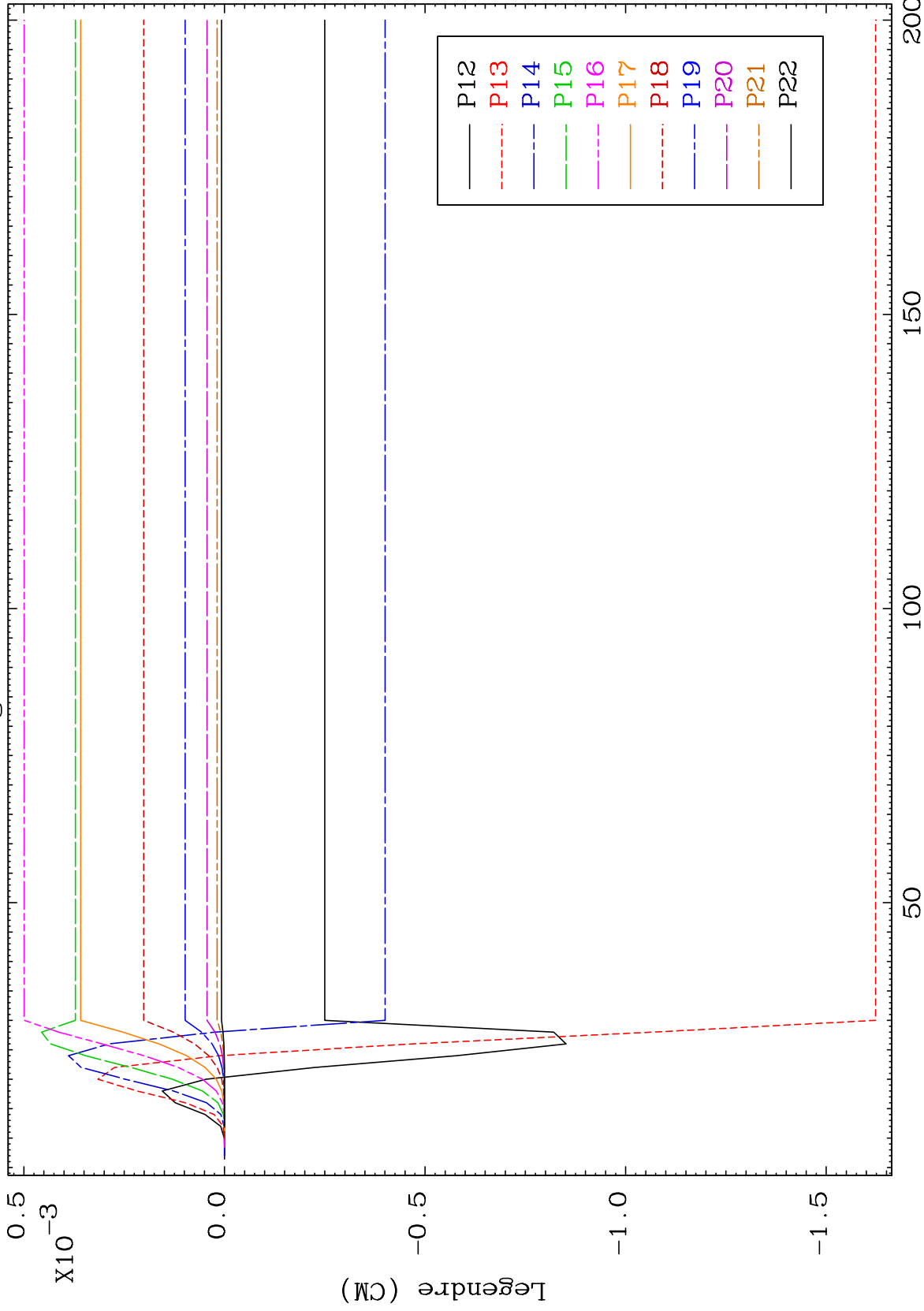
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



52

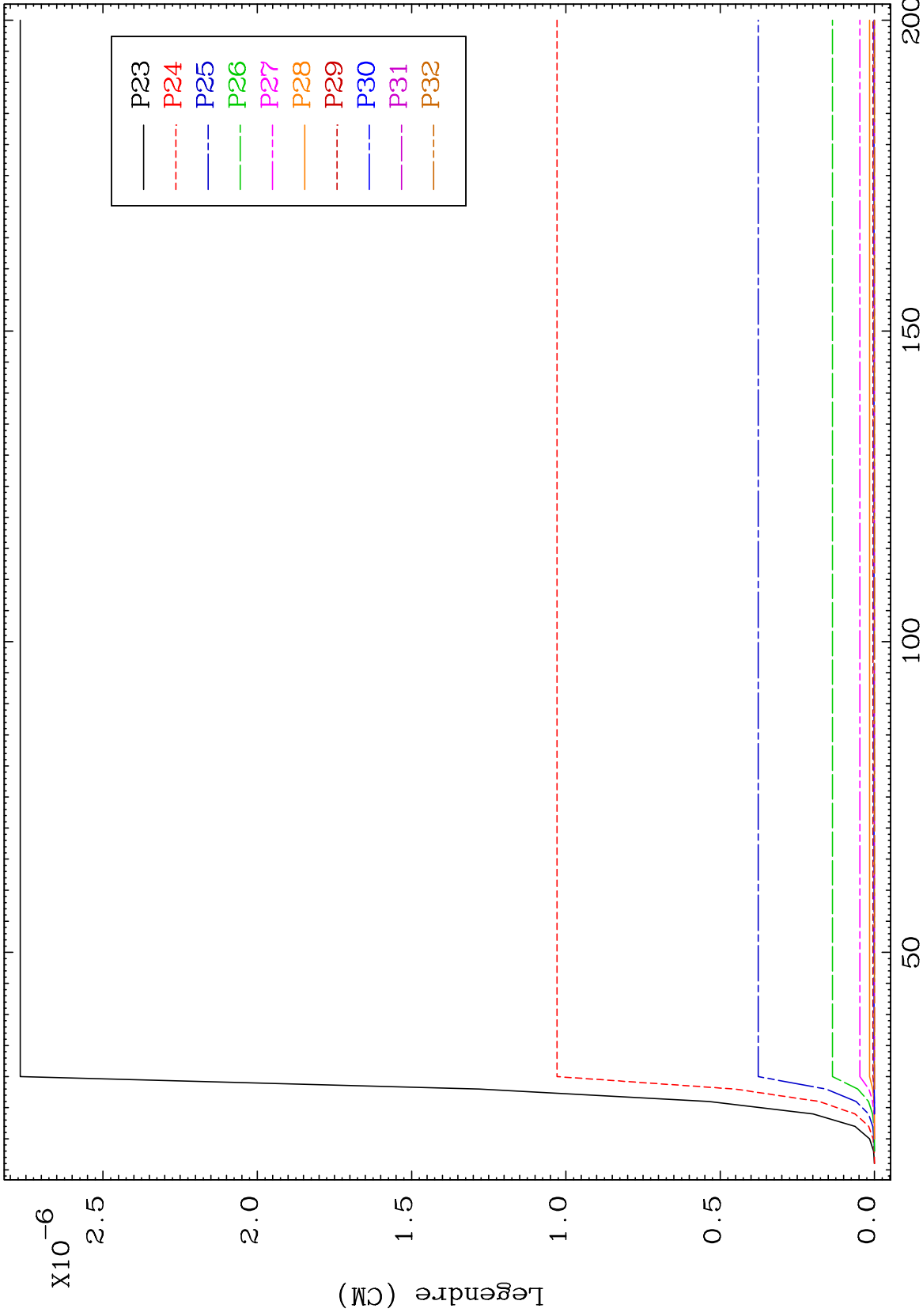
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54

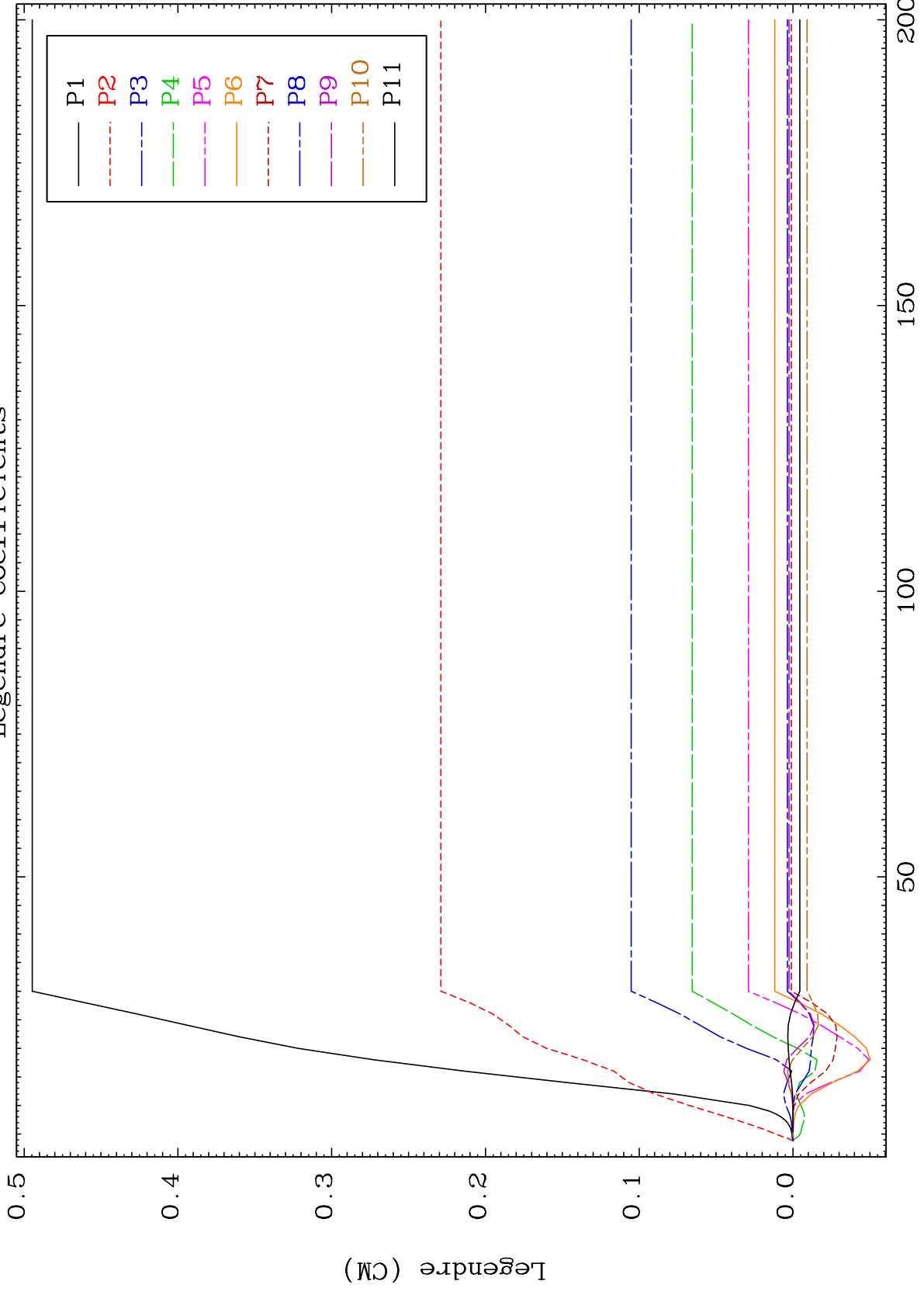


53

Incident Energy (MeV)

24-Cr-54

MAT 2437 MT= 63 (n,n') Level Legendre Coefficients 24-Cr-54

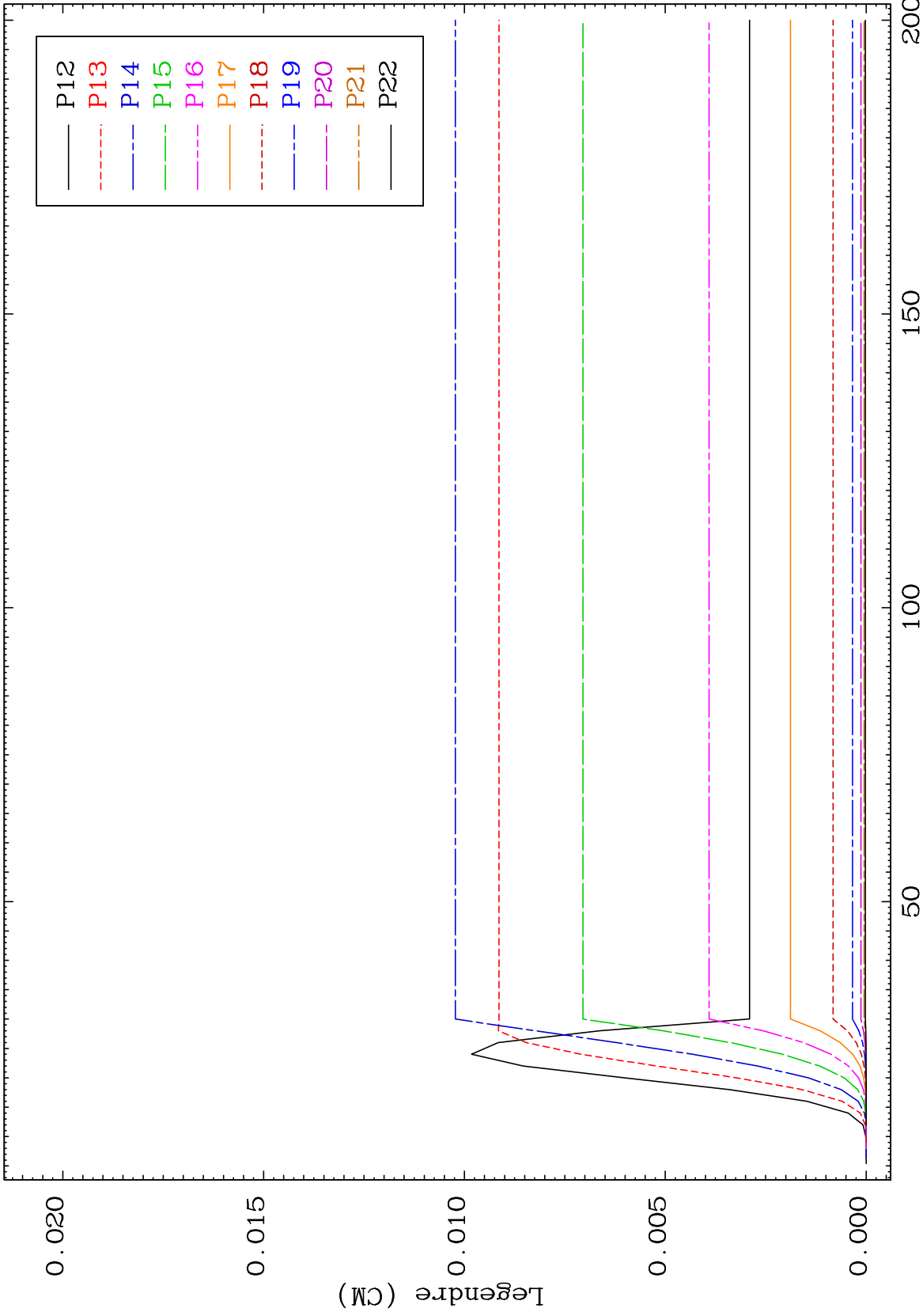


54 Incident Energy (MeV) 24-Cr-54

MAT 2437

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

24-Cr-54



55

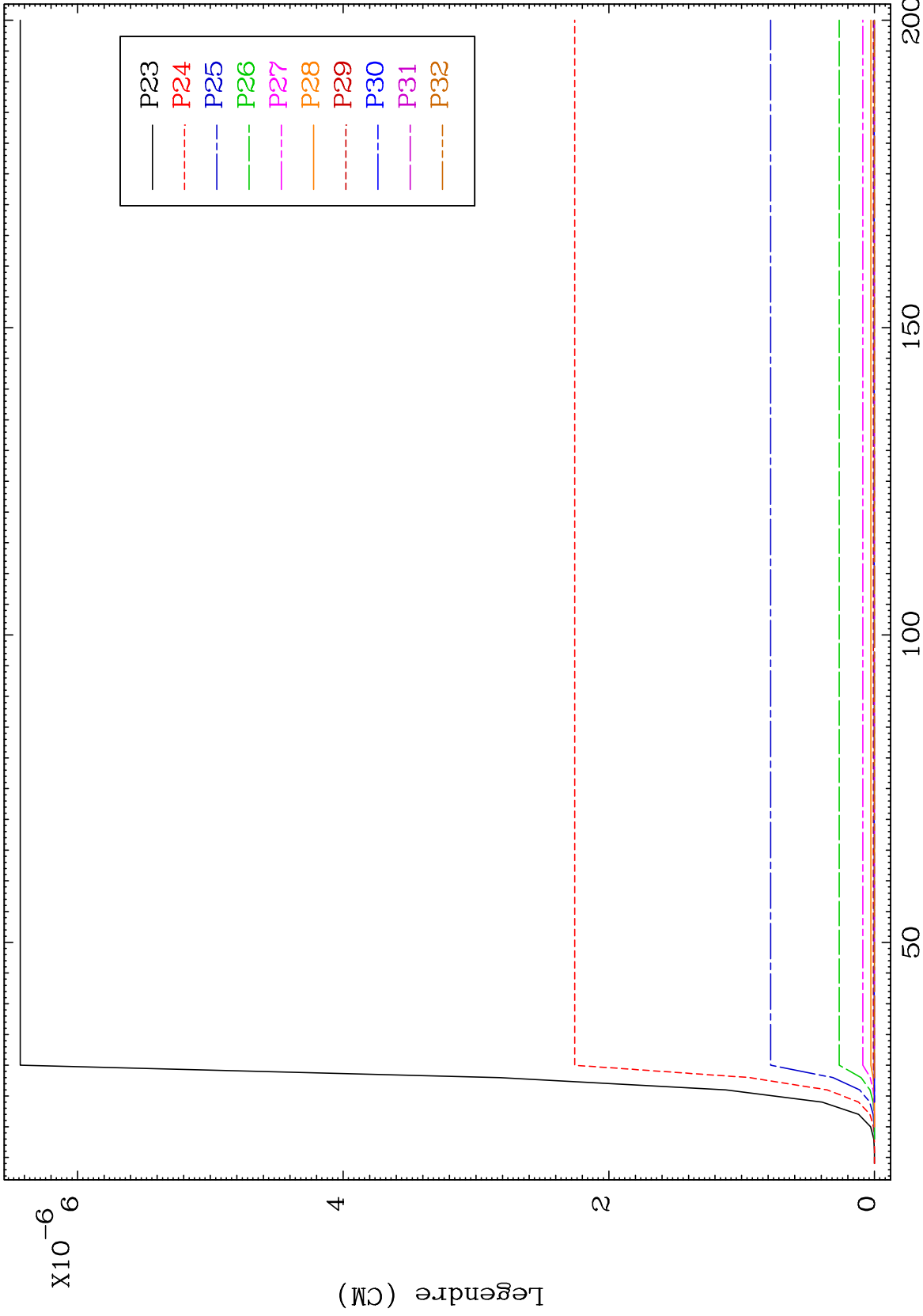
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



56

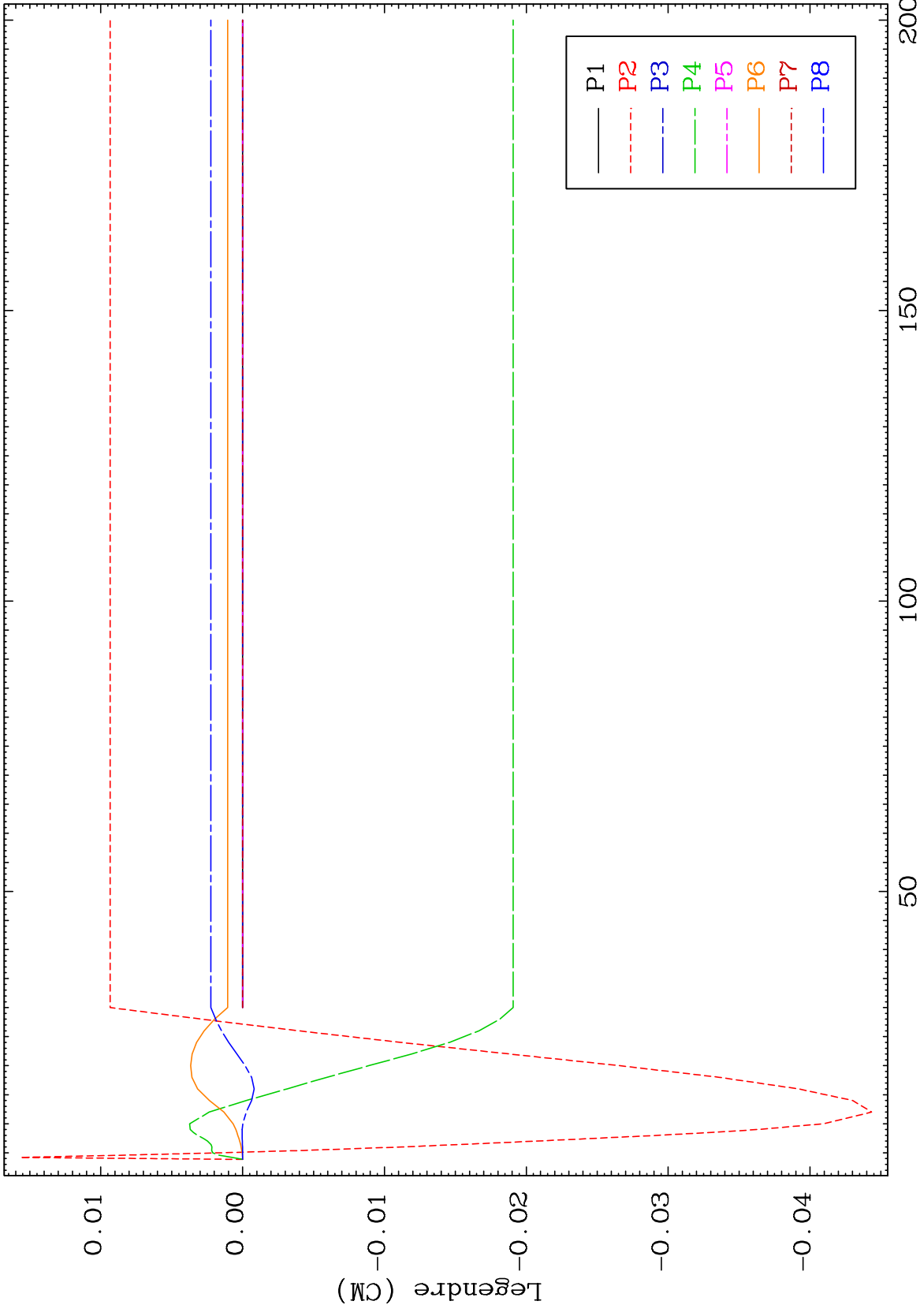
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



57

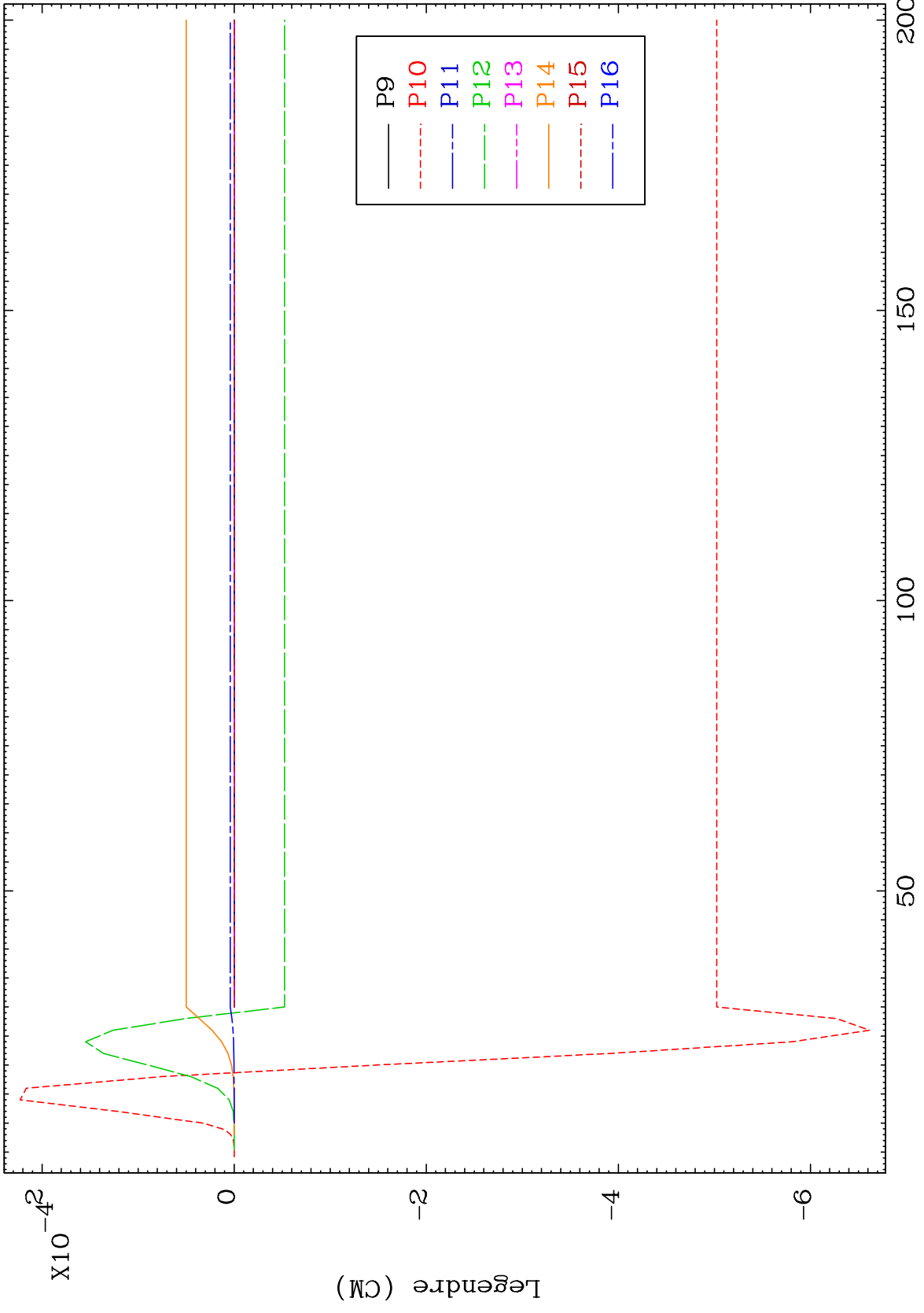
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54

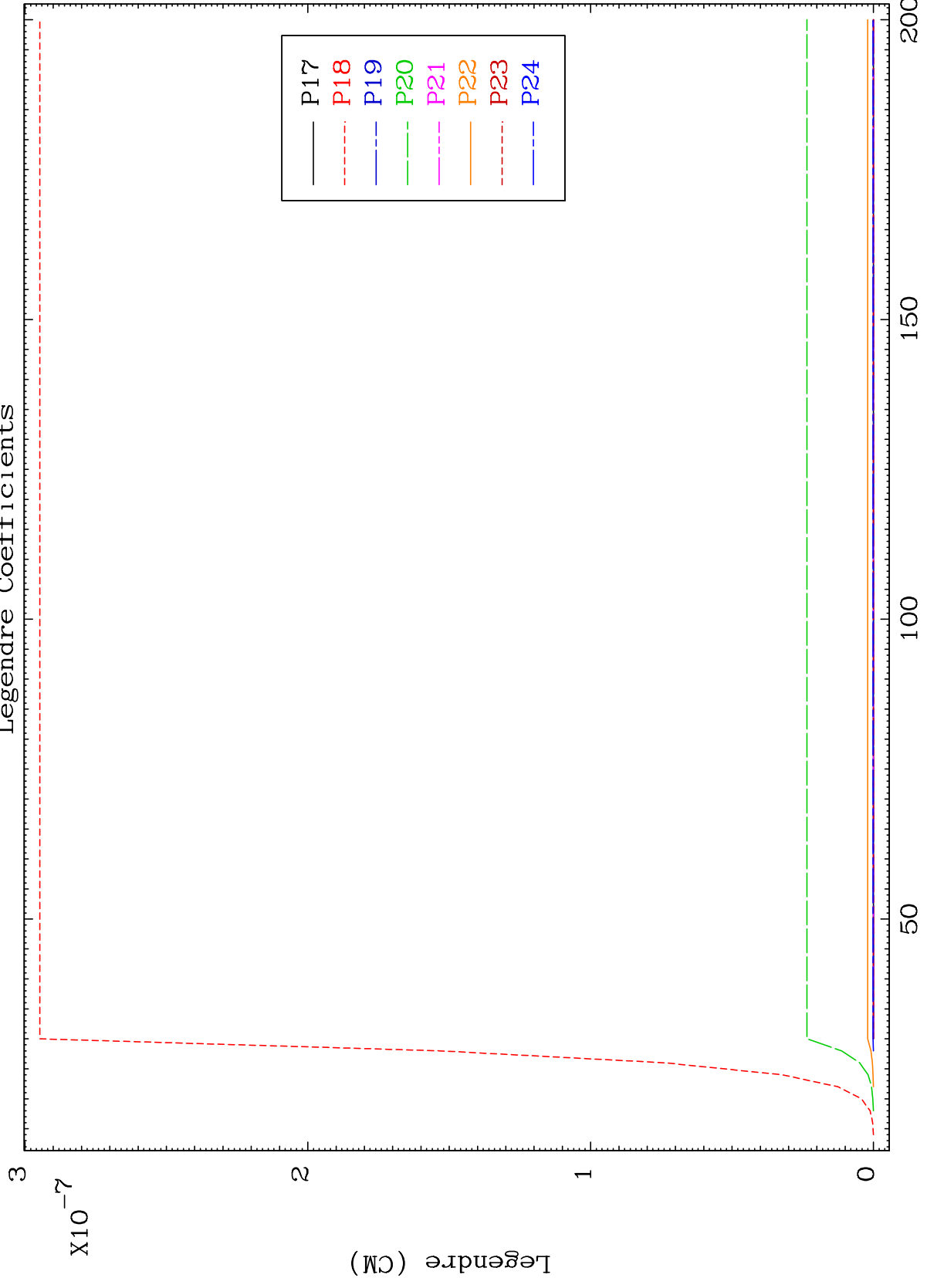


58

Incident Energy (MeV)

24-Cr-54

MAT 2437 MT= 64 (n,n') Level Legendre Coefficients 24-Cr-54

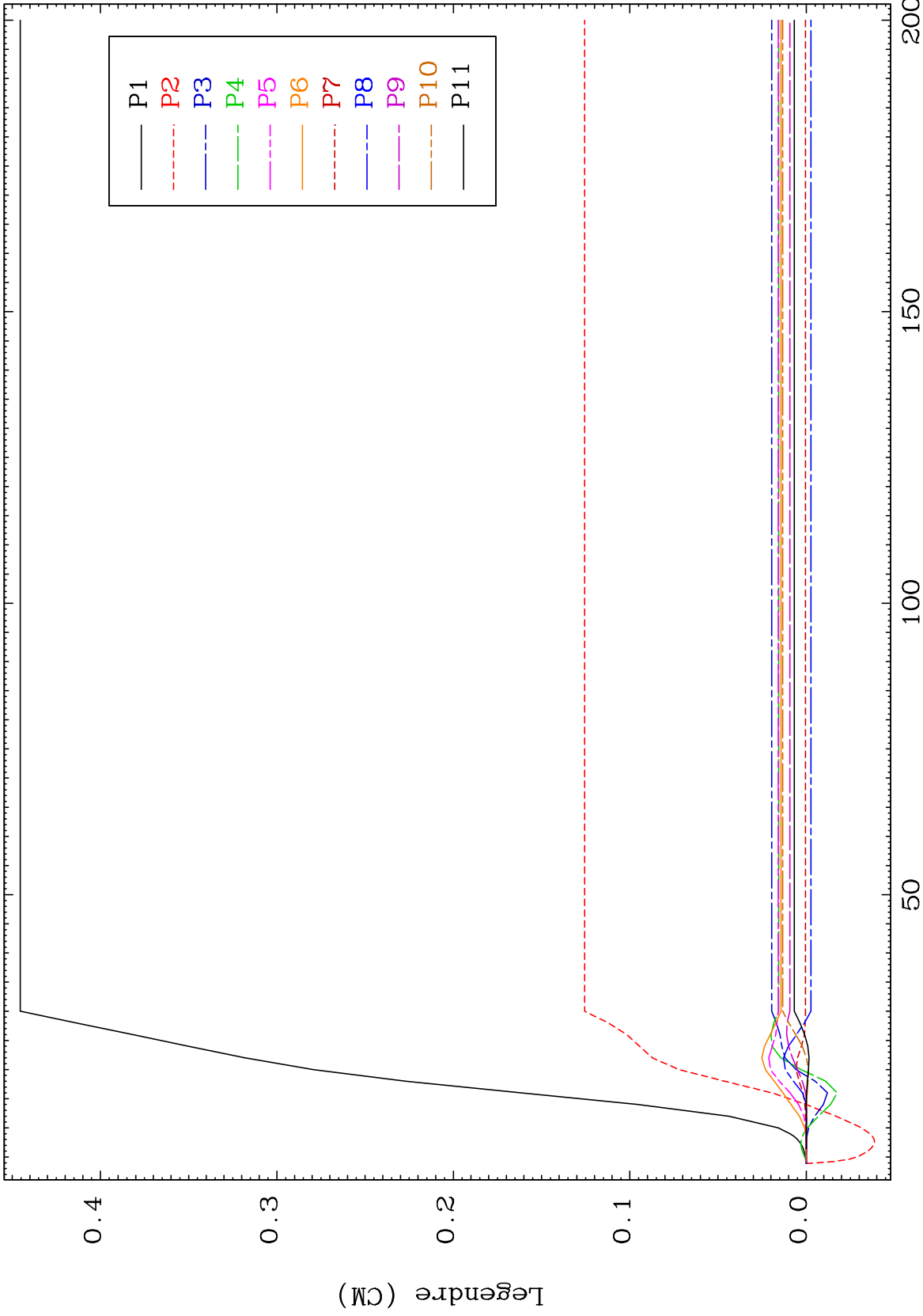


59 200 24-Cr-54

MAT 2437

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

24-Cr-54



60

Incident Energy (MeV)

50

100

150

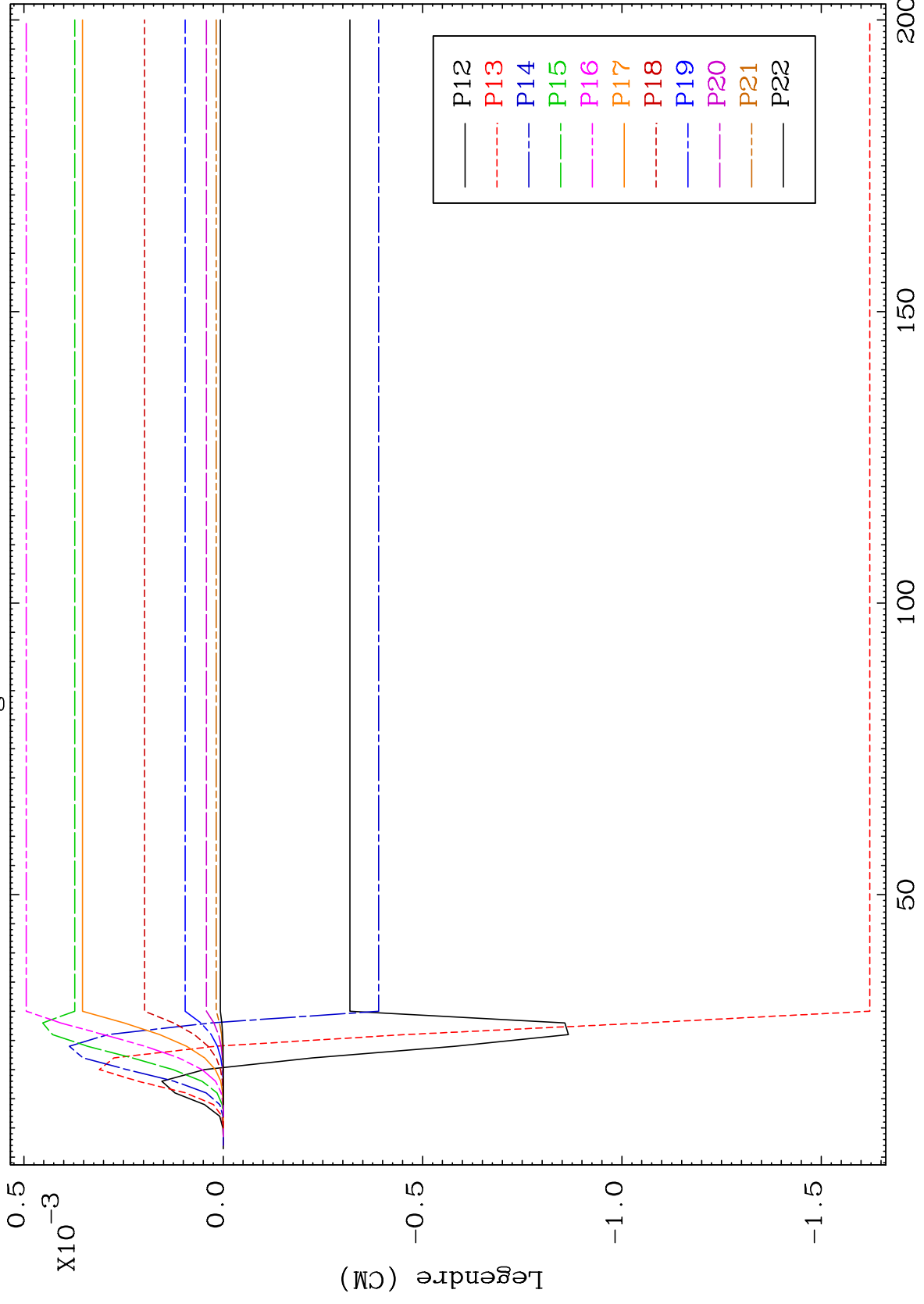
200

24-Cr-54

MAT 2437

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

24-Cr-54



61

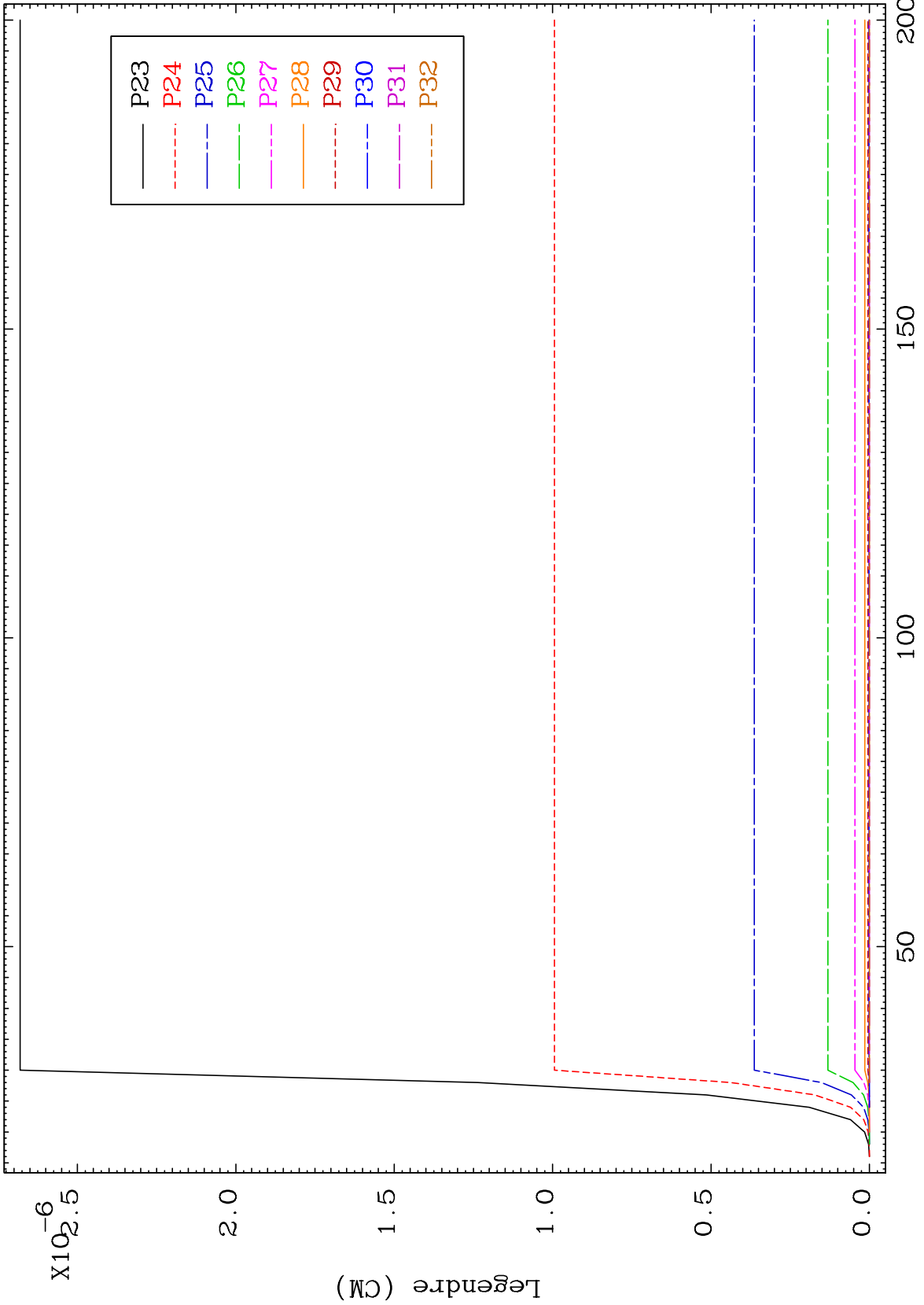
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54

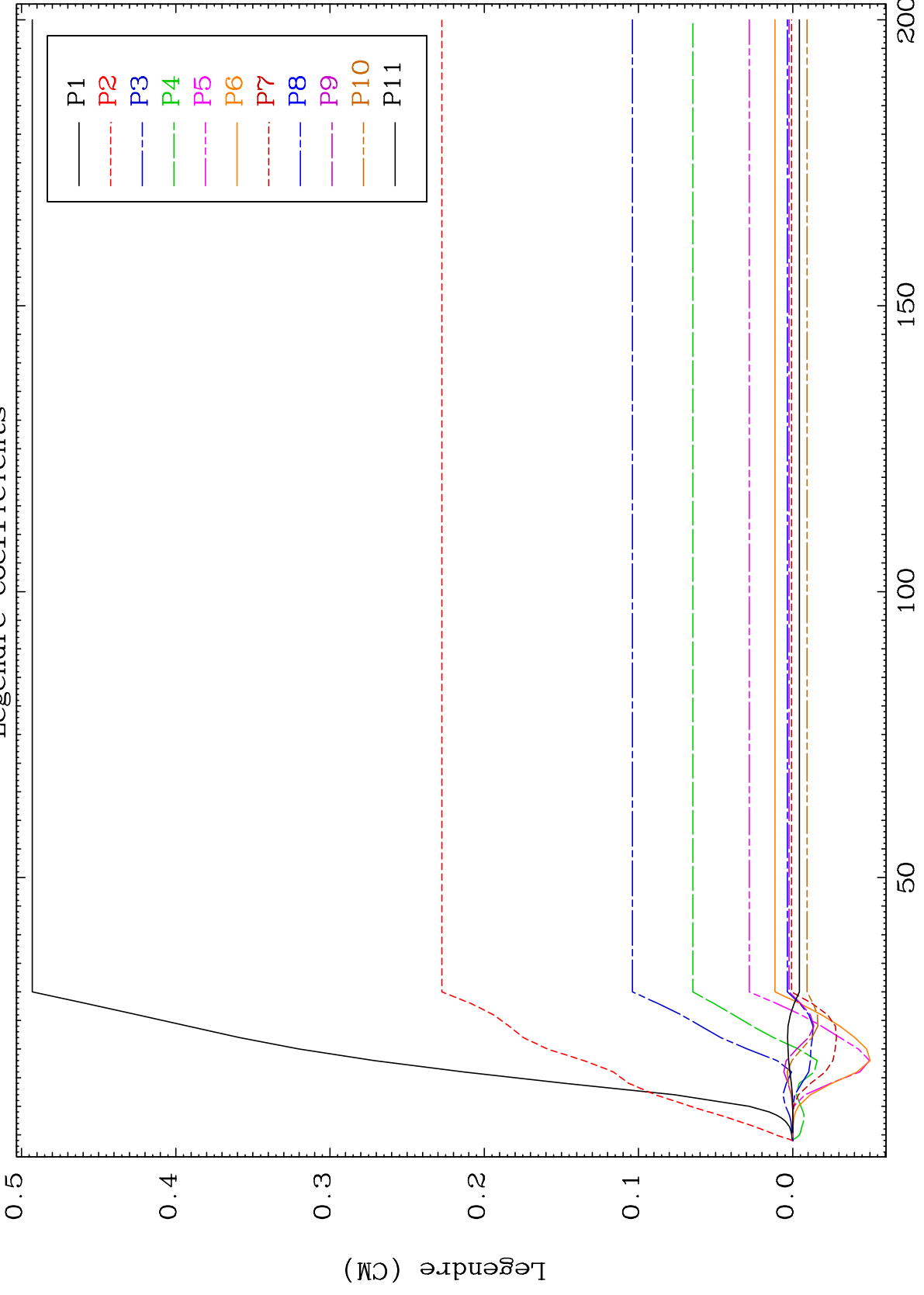


62

Incident Energy (MeV)

24-Cr-54

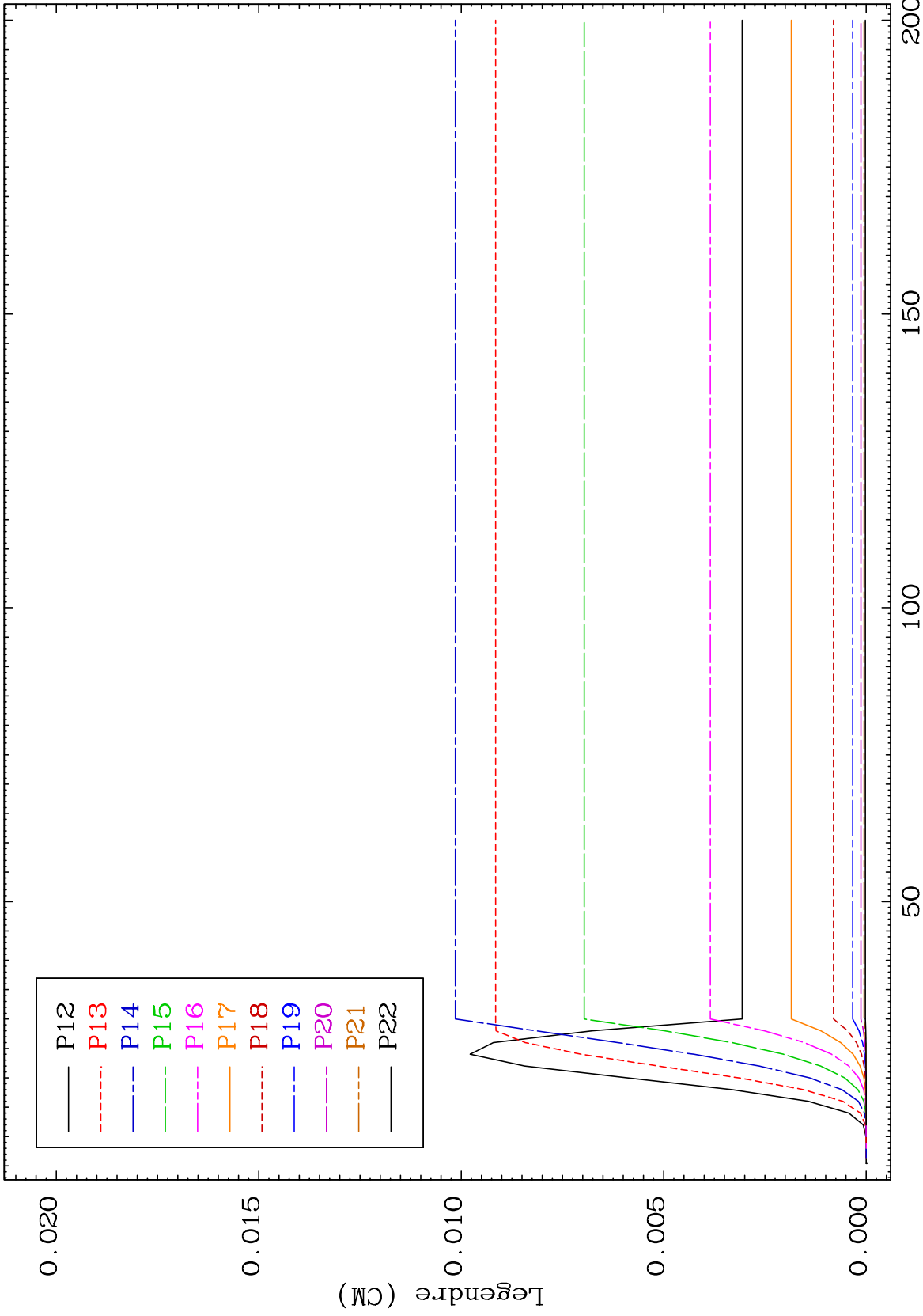
MAT 2437 MT= 66 (n,n') Level Legendre Coefficients 24-Cr-54



MAT 2437

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

24-Cr-54



64

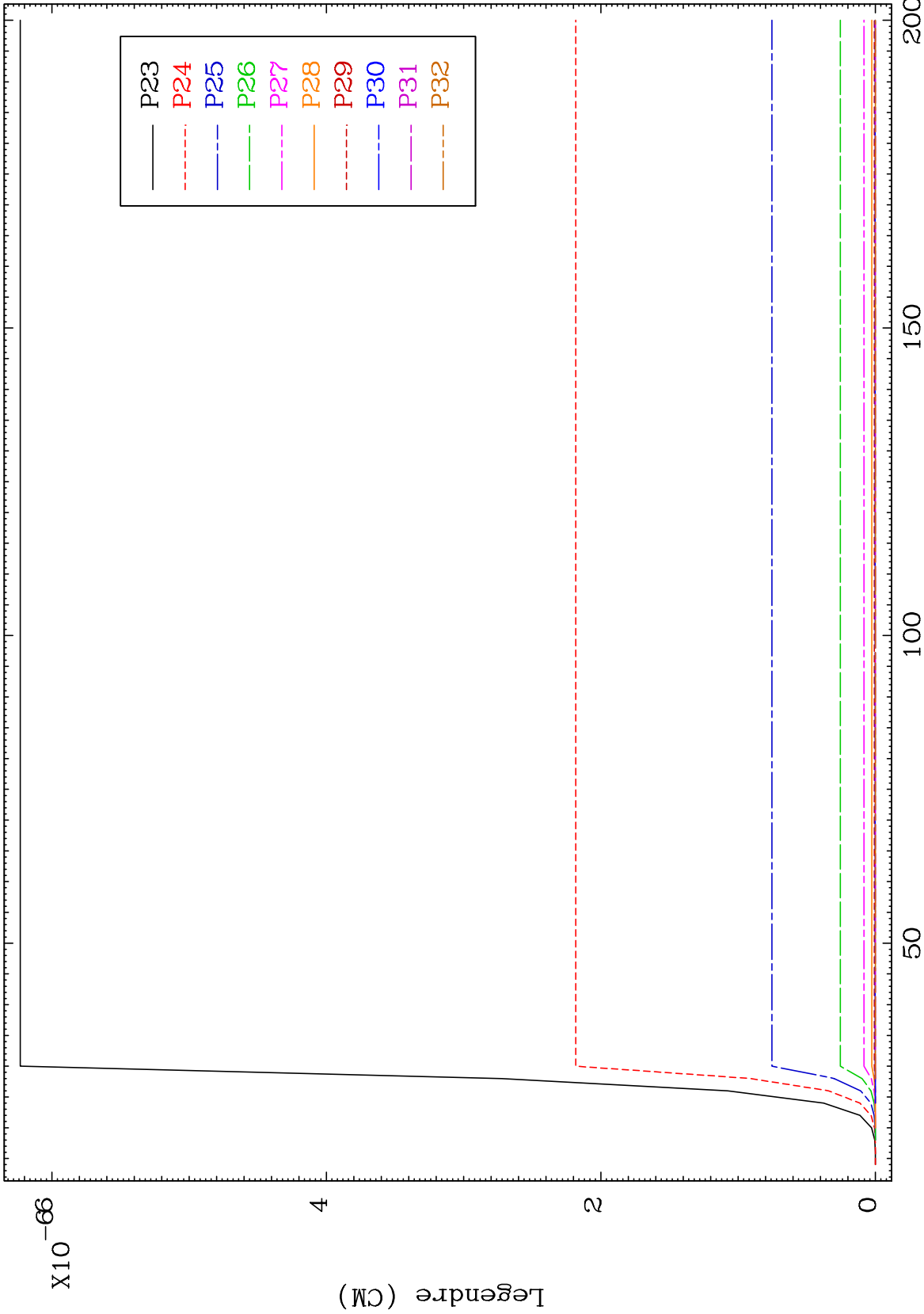
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



65

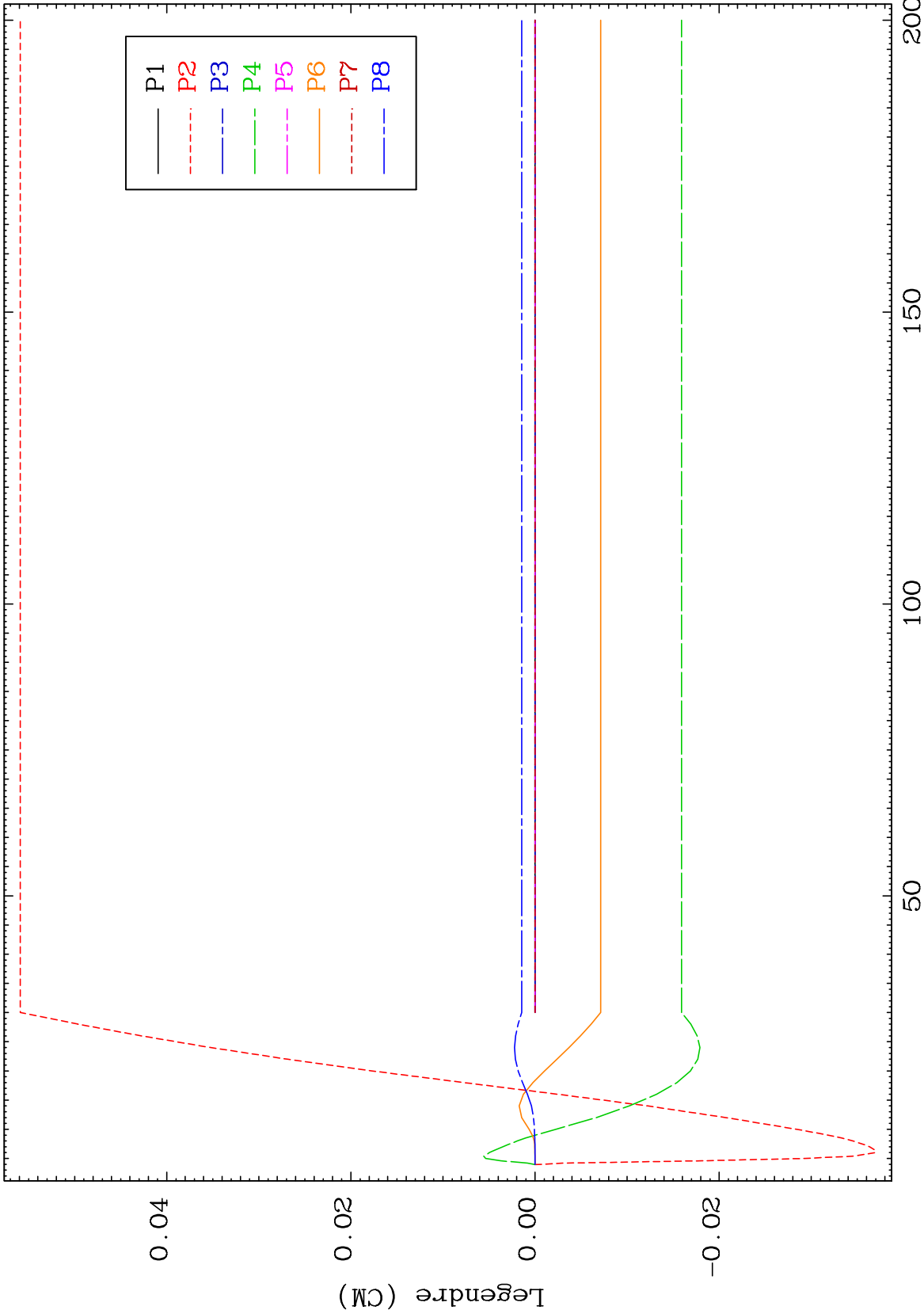
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



66

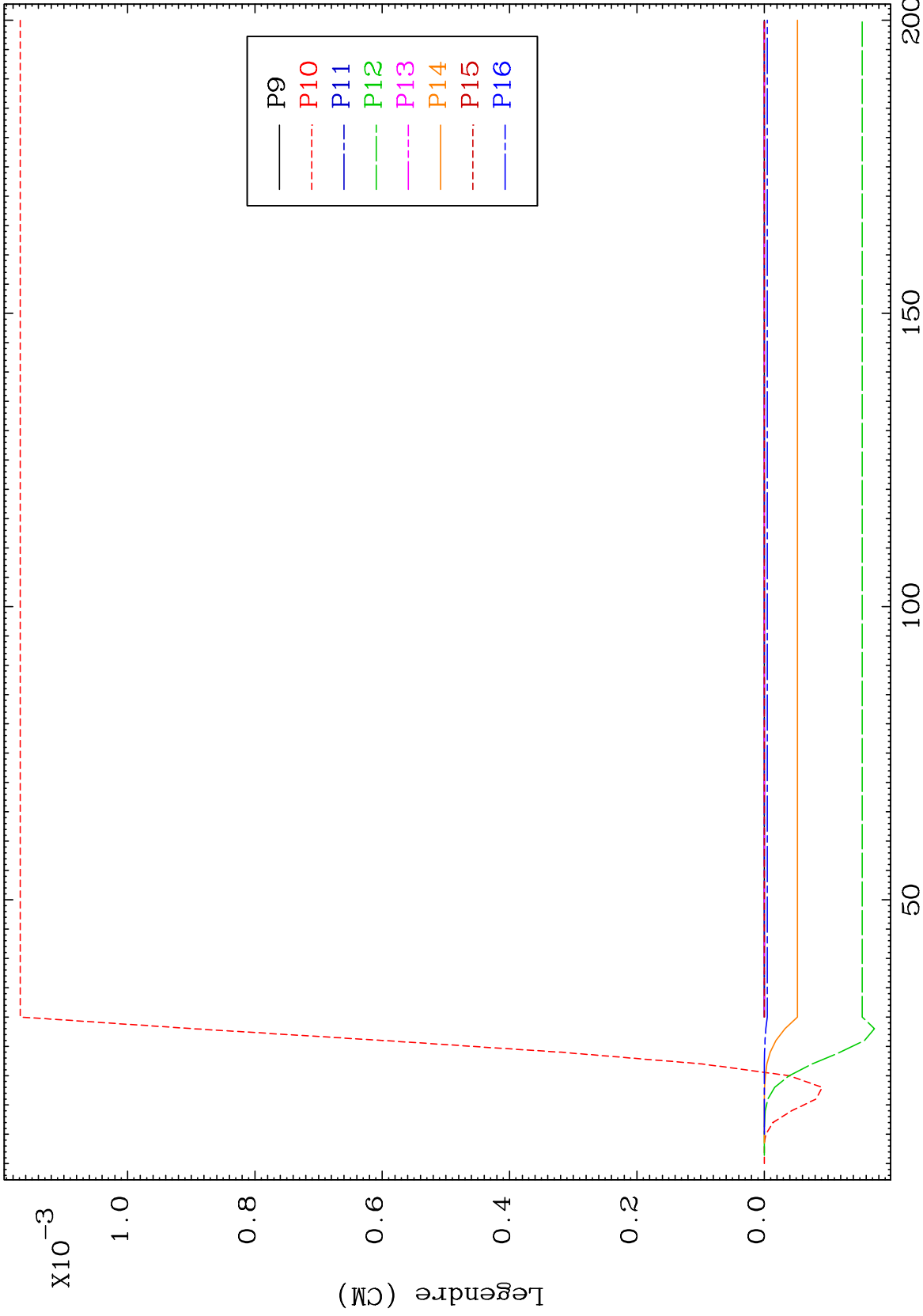
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



67

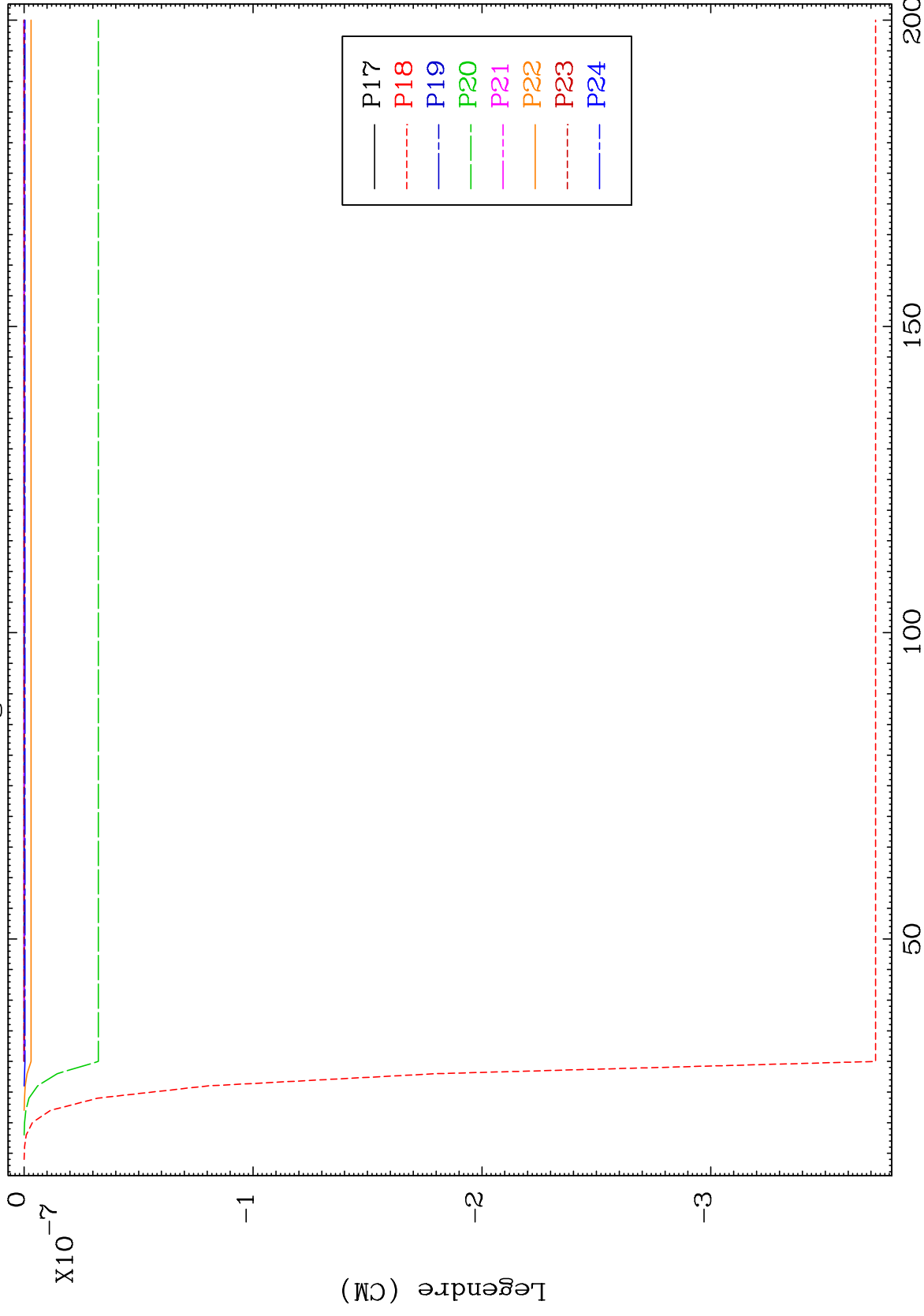
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54

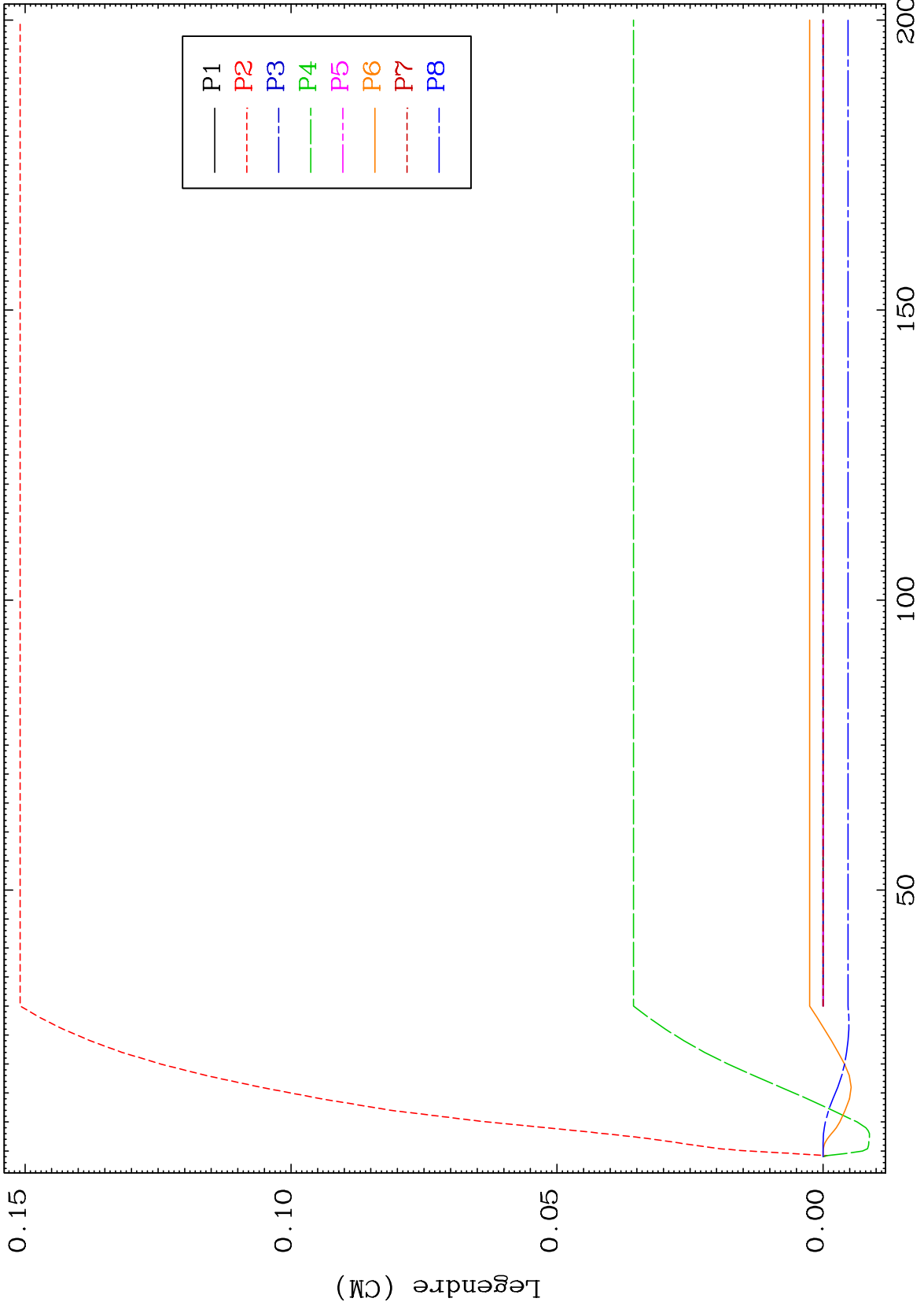


24-Cr-54

Incident Energy (MeV)

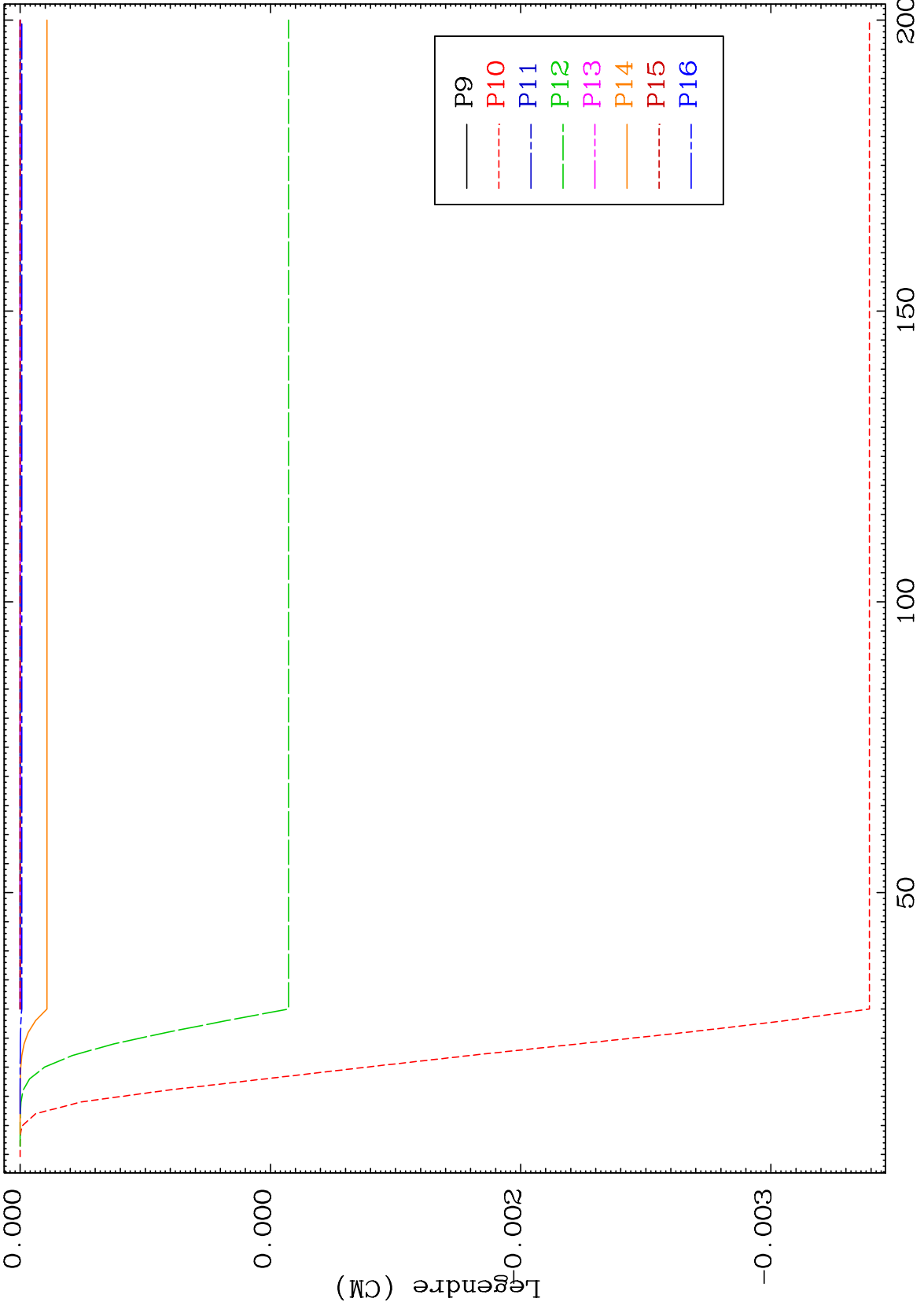
68

MAT 2437 MT= 68 (n,n') Level Legendre Coefficients 24-Cr-54



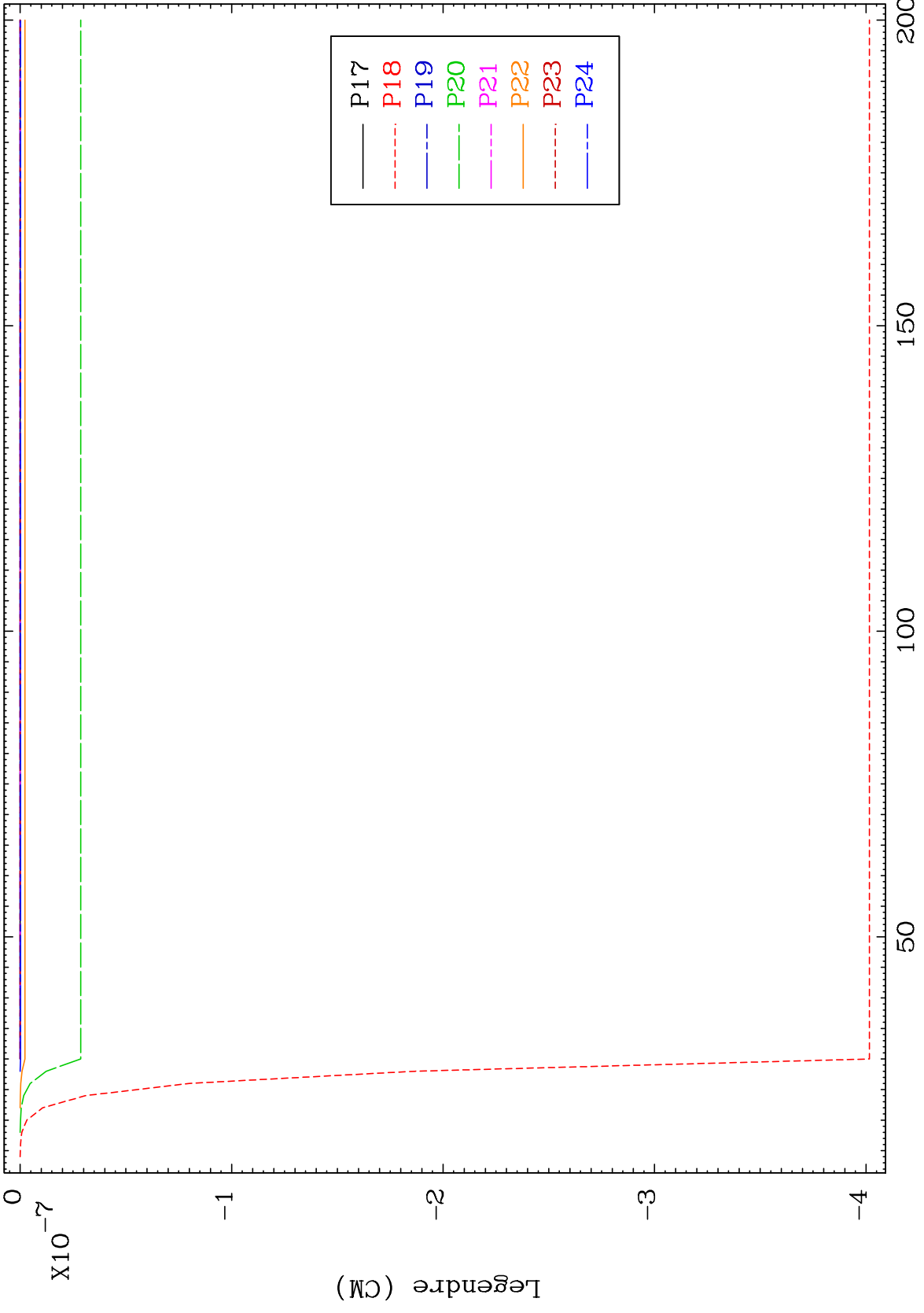
69 24-Cr-54

MAT 2437 MT= 68 (n,n') Level Legendre Coefficients 24-Cr-54

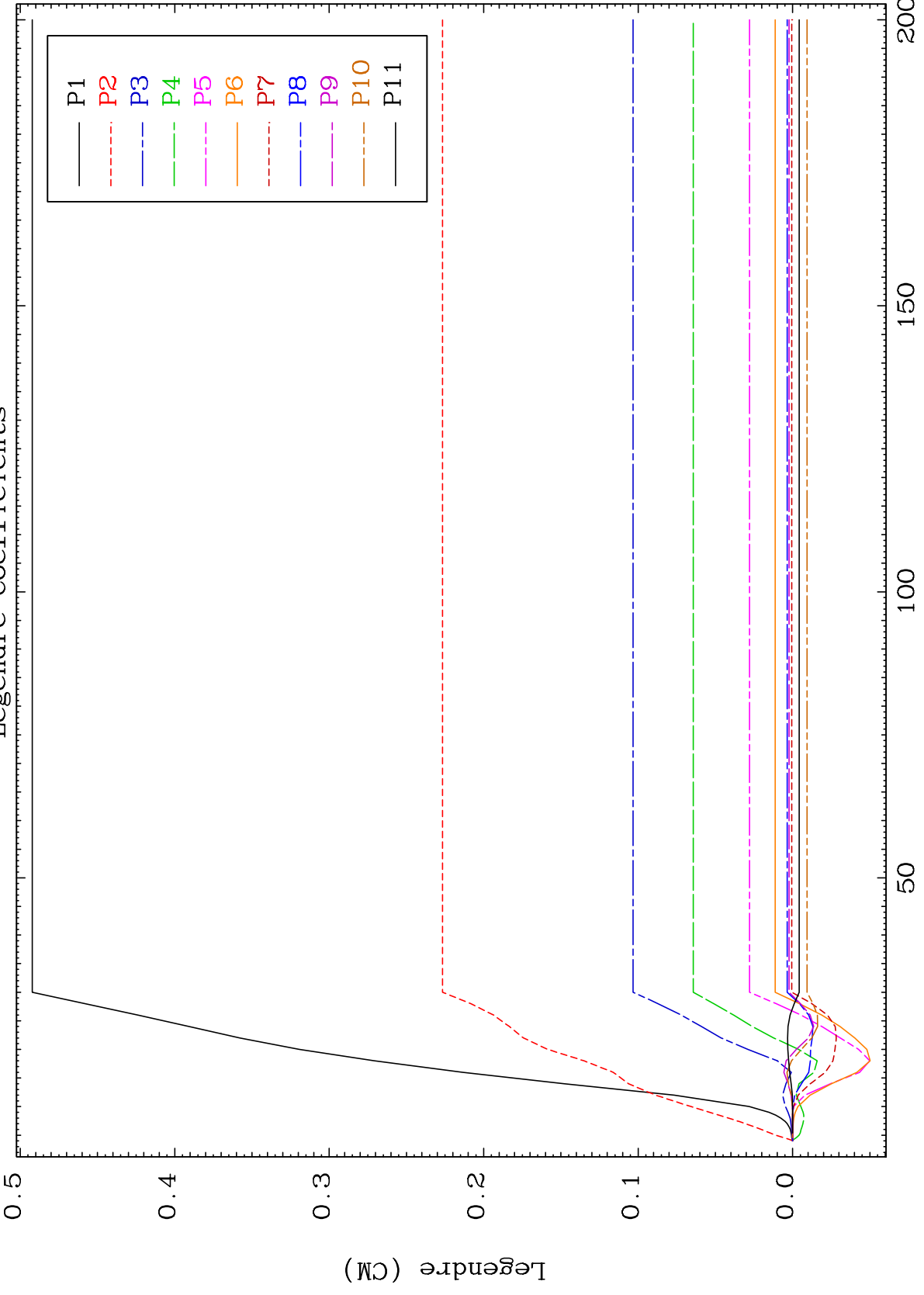


70 Incident Energy (MeV) 24-Cr-54

MAT 2437 MT= 68 (n,n') Level Legendre Coefficients 24-Cr-54



MAT 2437 MT= 69 (n,n') Level Legendre Coefficients 24-Cr-54

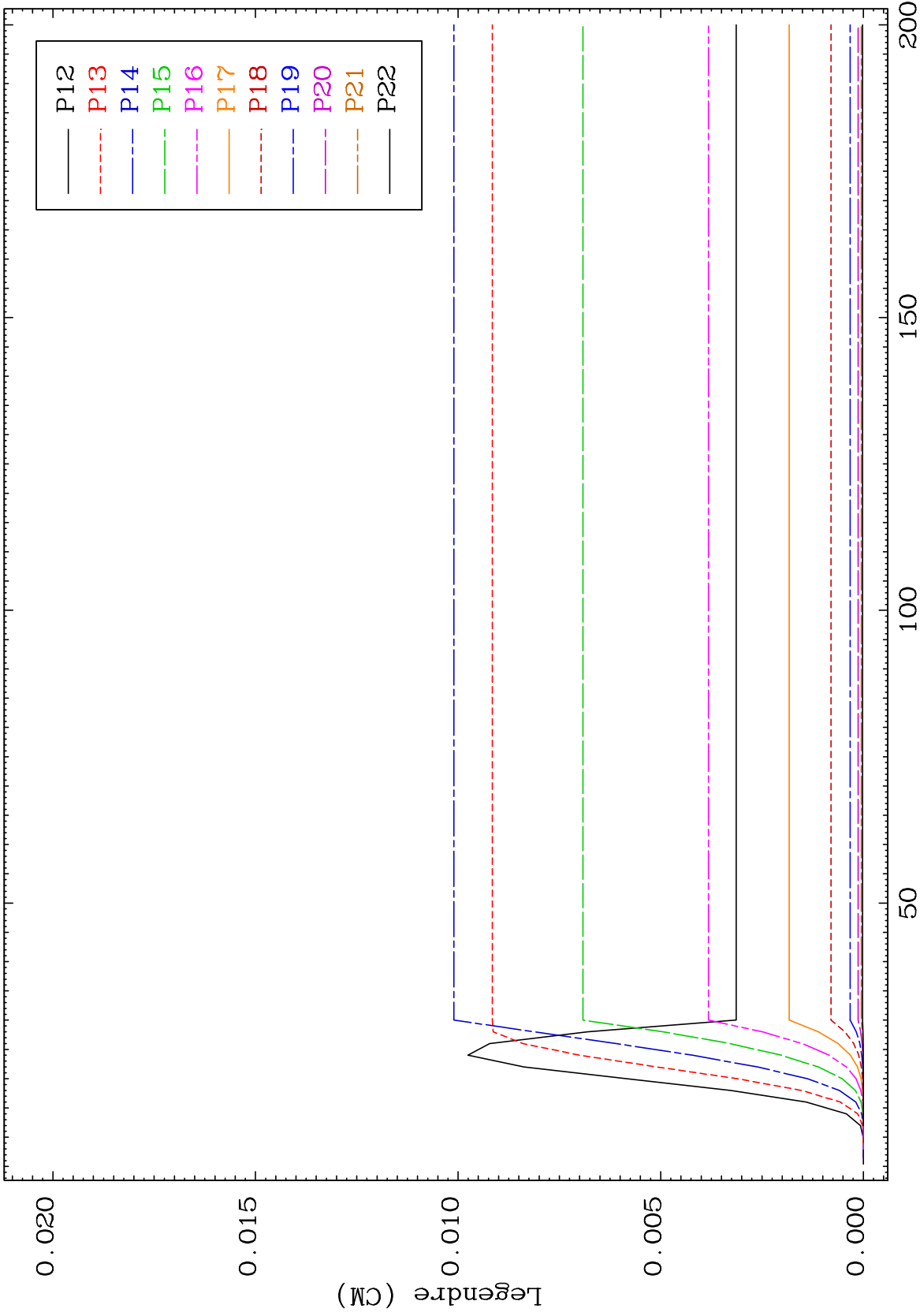


72 24-Cr-54

MAT 2437

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

24-Cr-54



73

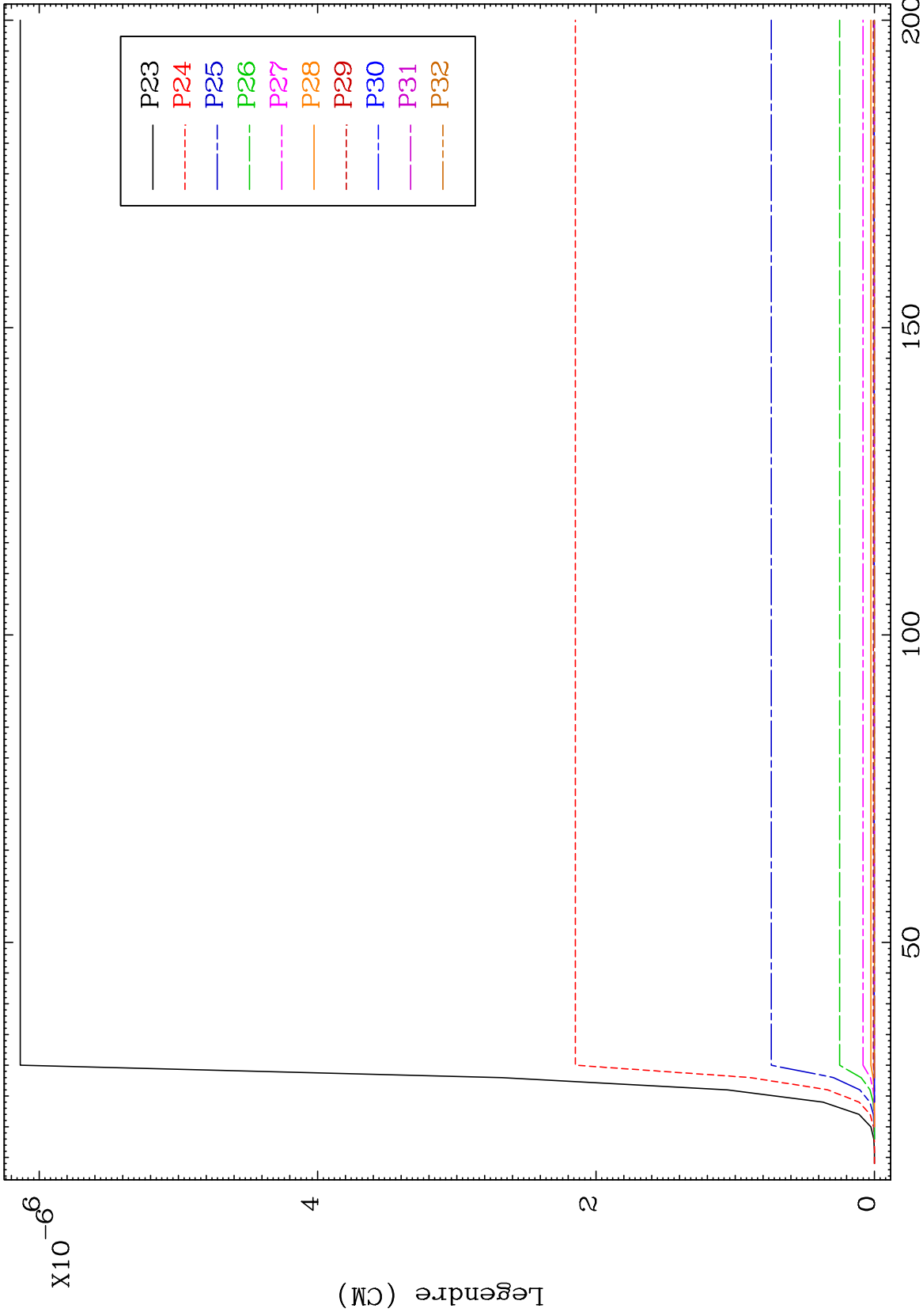
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54

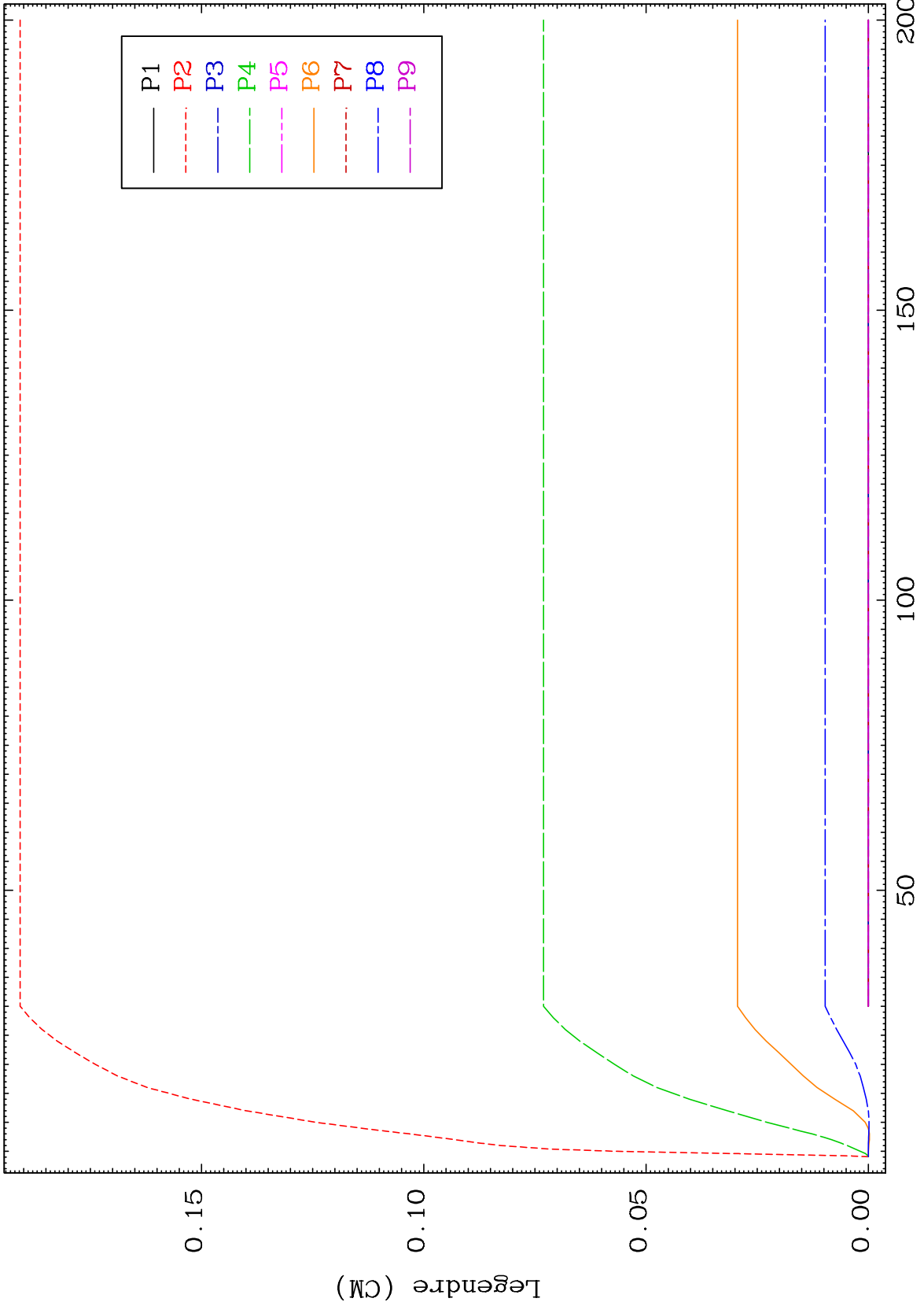


74

Incident Energy (MeV)

24-Cr-54

MAT 2437 MT= 70 (n,n') Level Legendre Coefficients 24-Cr-54

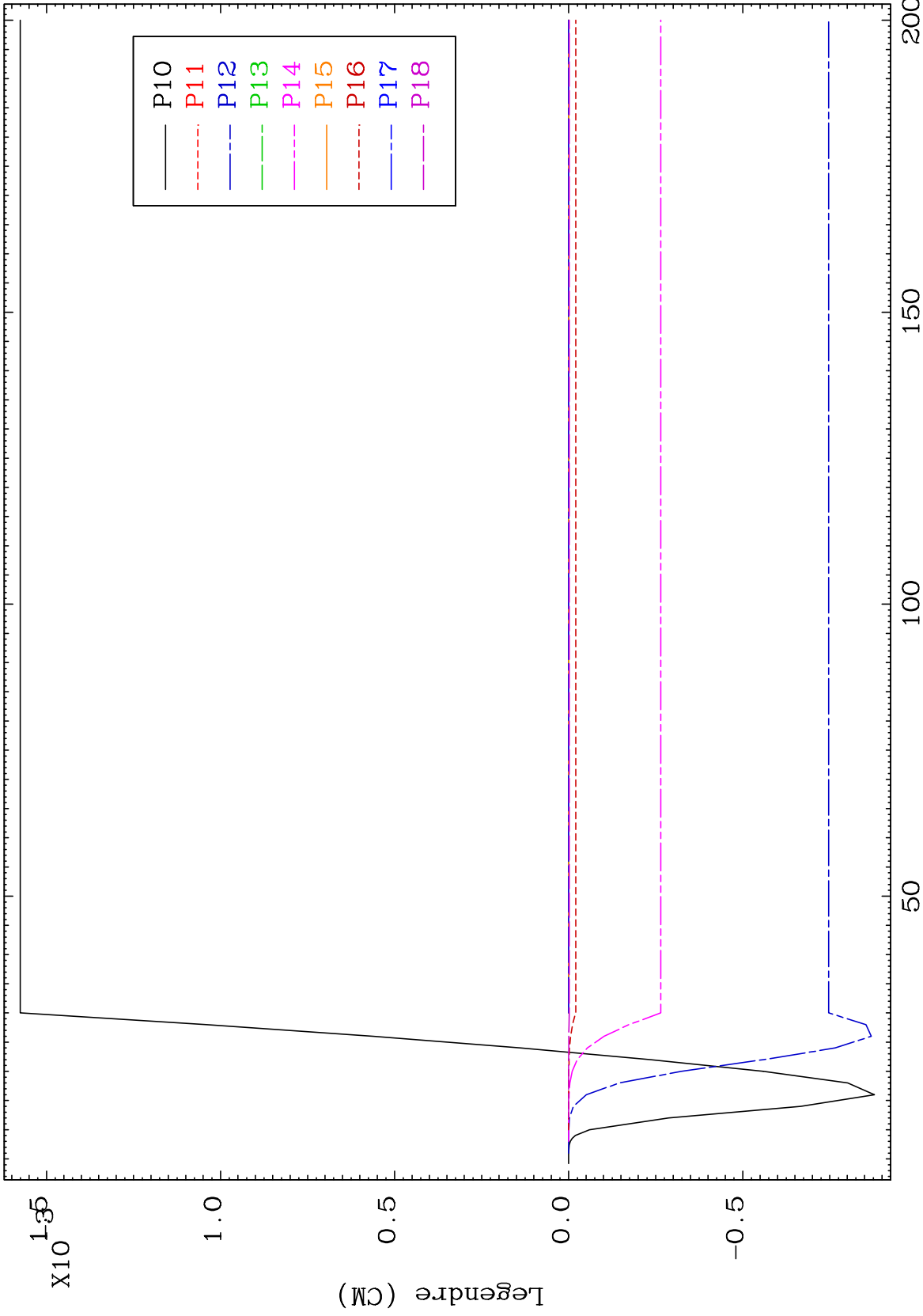


75 Incident Energy (MeV) 24-Cr-54

MAT 2437

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

24-Cr-54

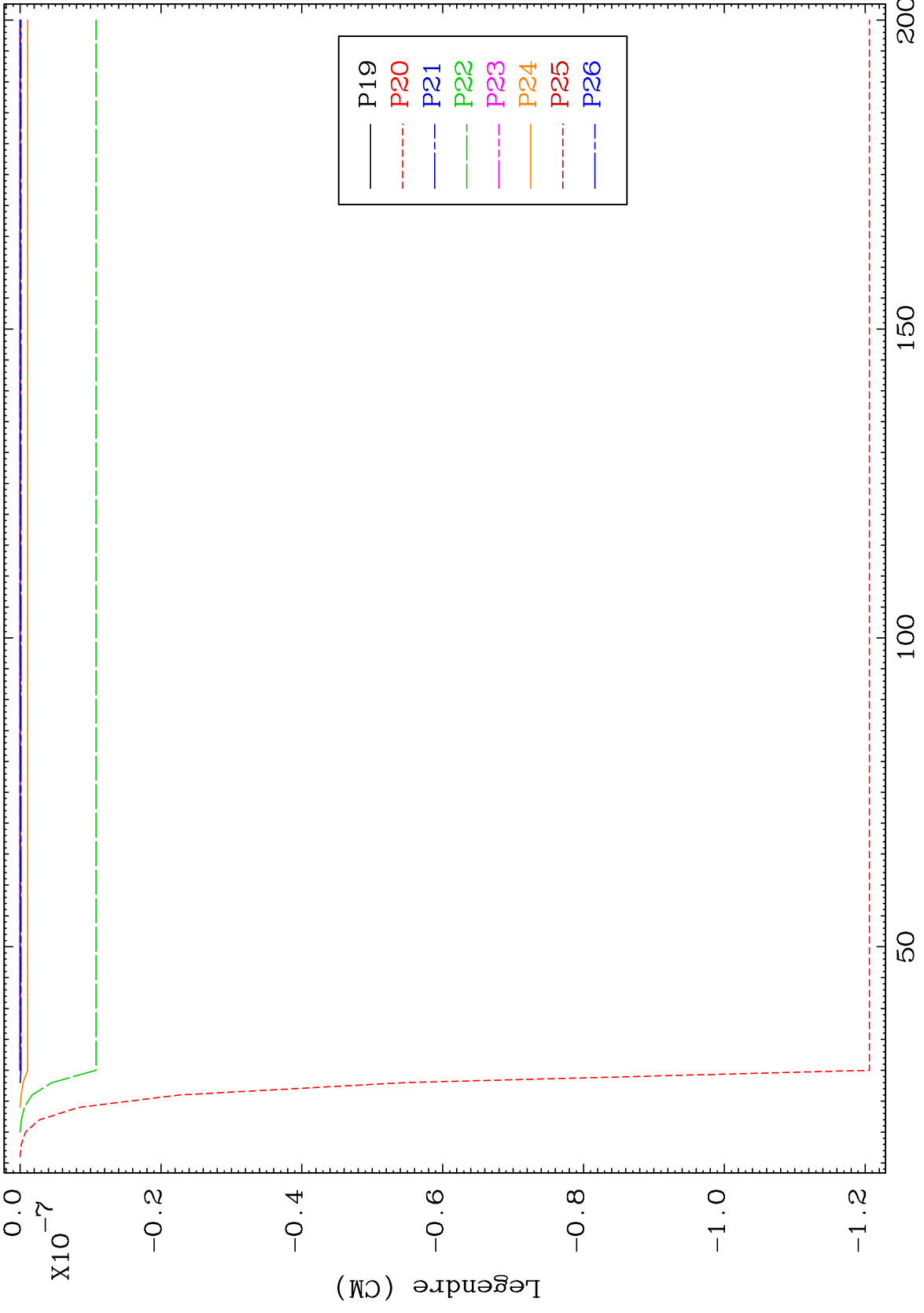


76

Incident Energy (MeV)

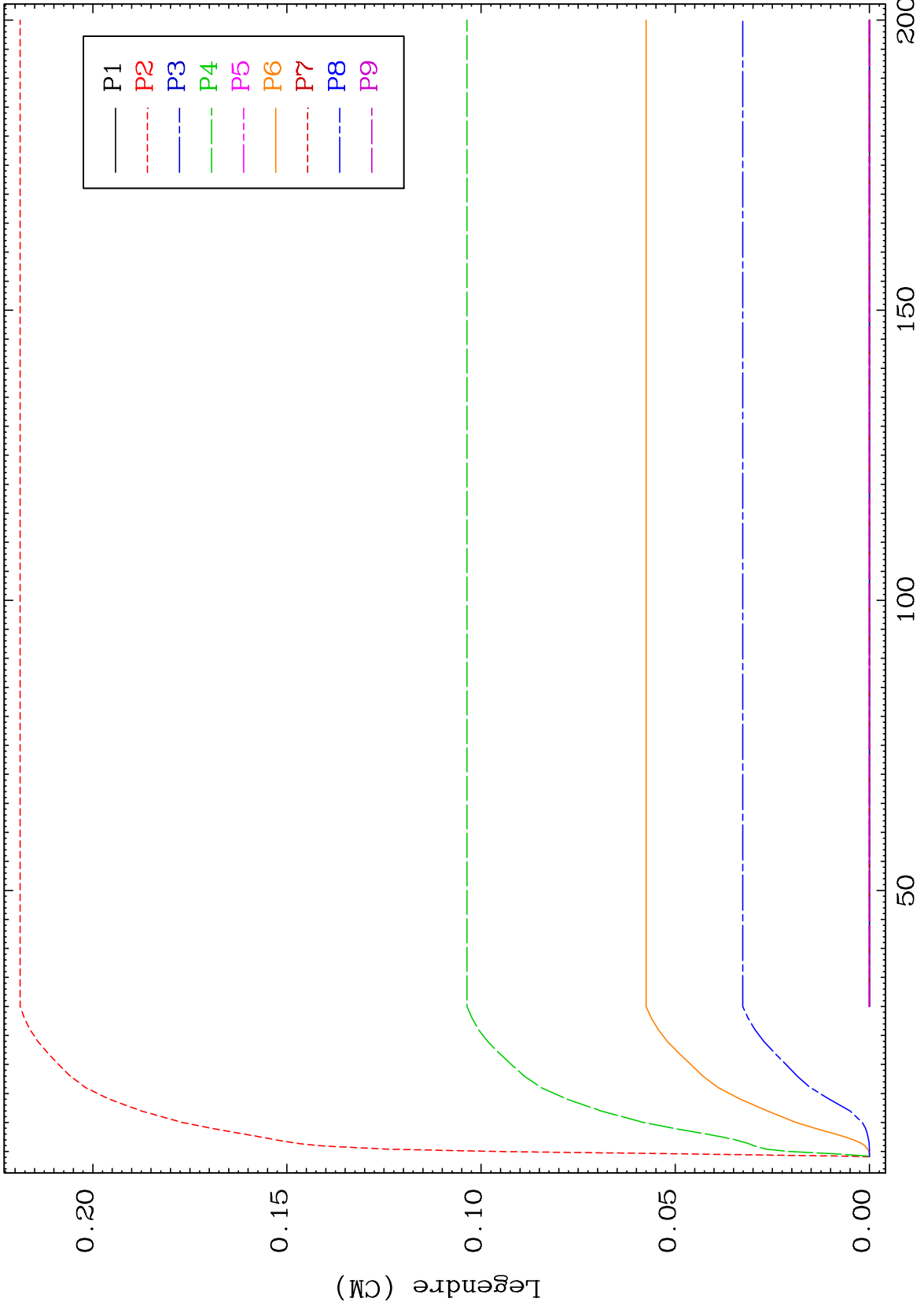
24-Cr-54

MAT 2437 MT= 70 (n,n') Level Legendre Coefficients 24-Cr-54



77 24-Cr-54

MAT 2437 MT= 71 (n,n') Level Legendre Coefficients 24-Cr-54

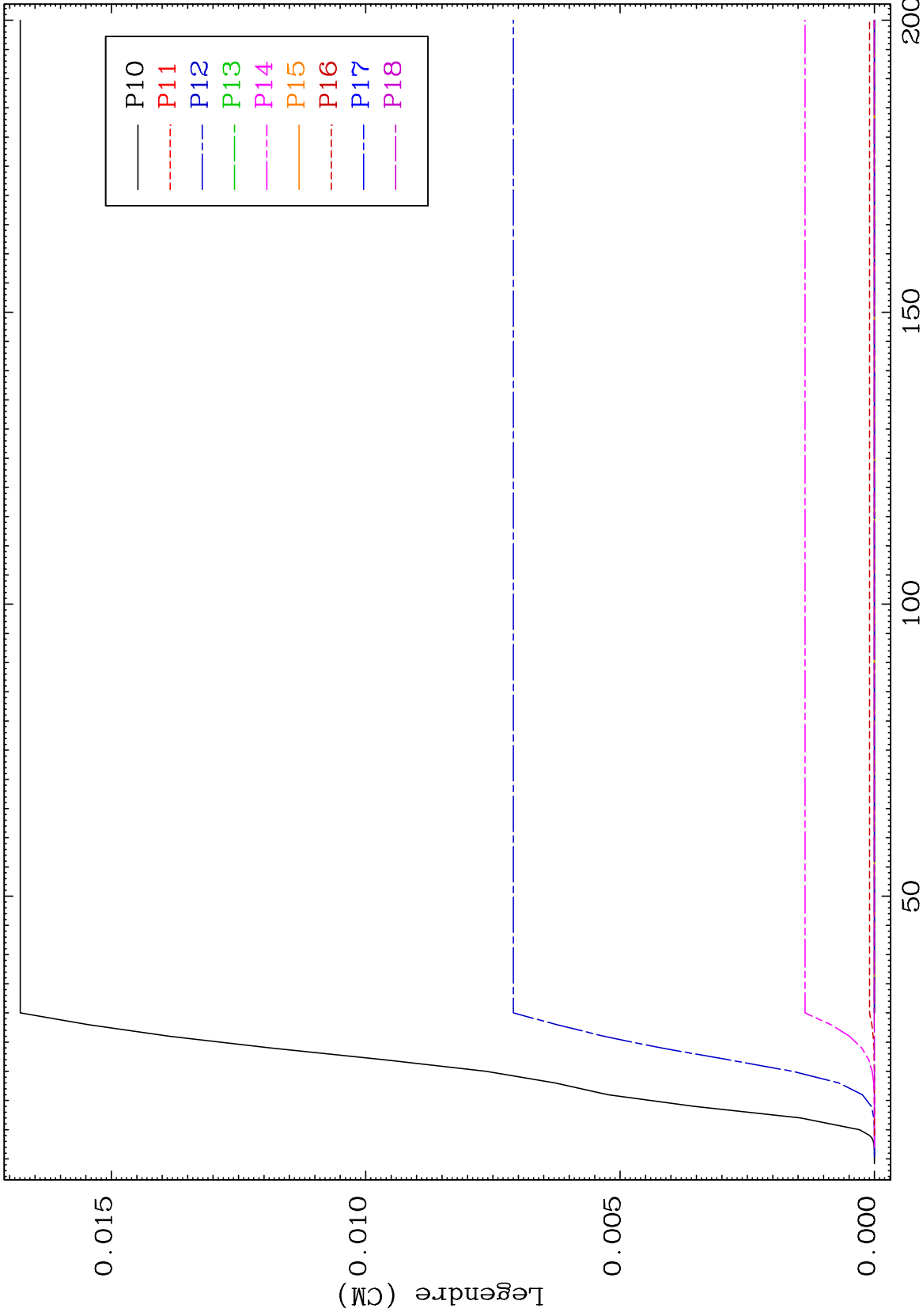


78 Incident Energy (MeV) 24-Cr-54

MAT 2437

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

24-Cr-54

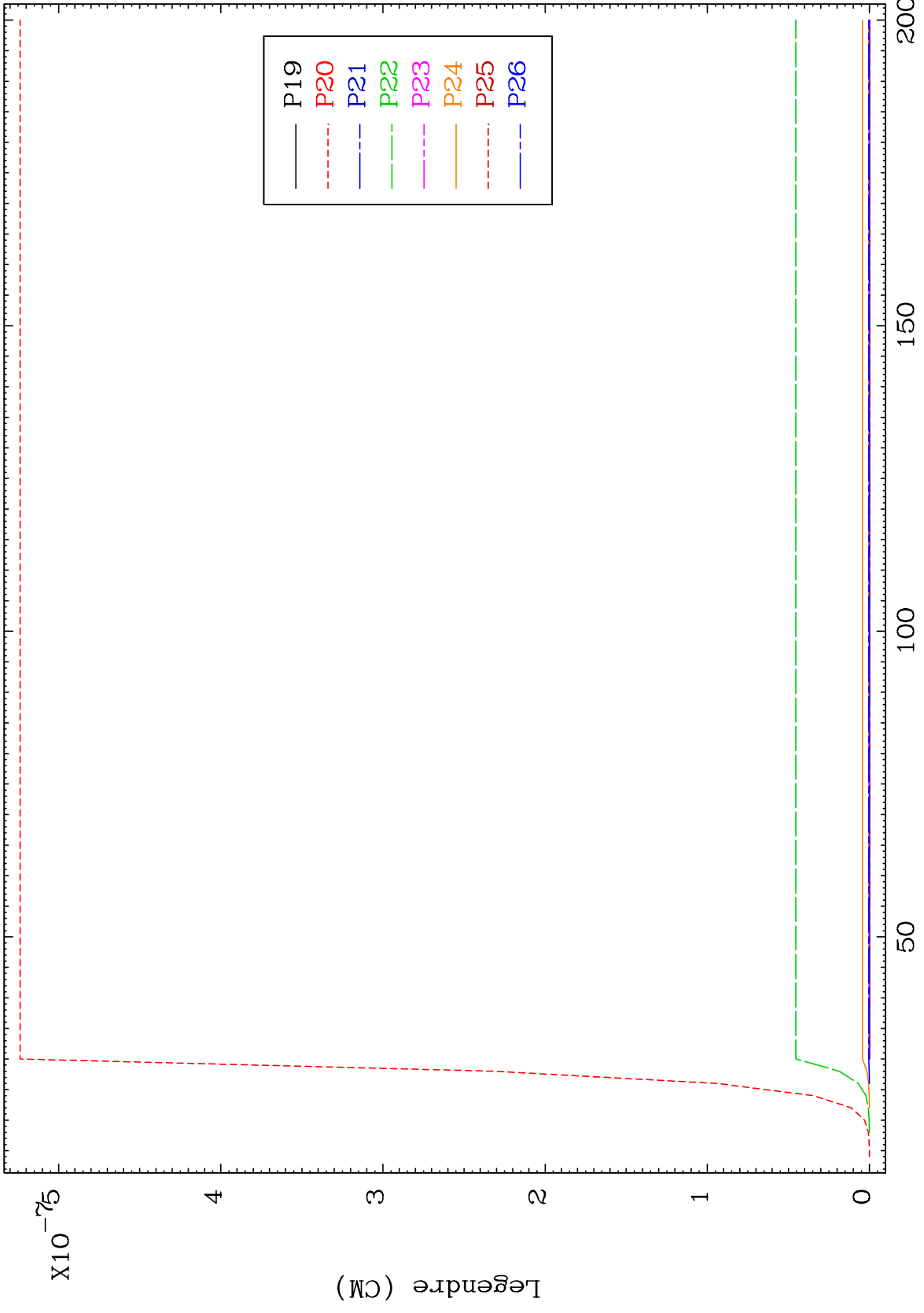


79

Incident Energy (MeV)

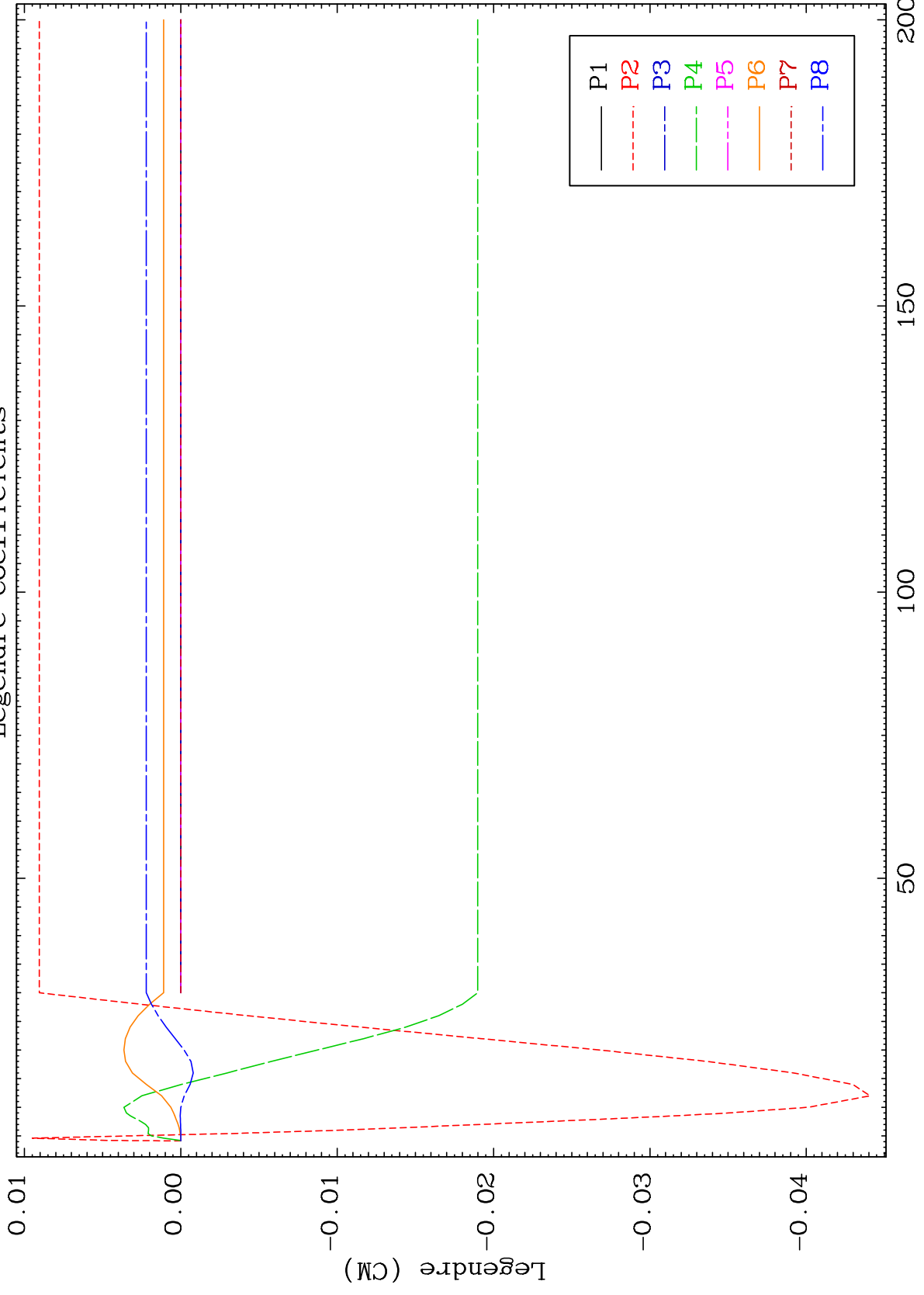
24-Cr-54

MAT 2437 MT= 71 (n,n') Level Legendre Coefficients 24-Cr-54



80 50 100 150 200 Incident Energy (MeV) 24-Cr-54

MAT 2437 MT= 72 (n,n') Level Legendre Coefficients 24-Cr-54

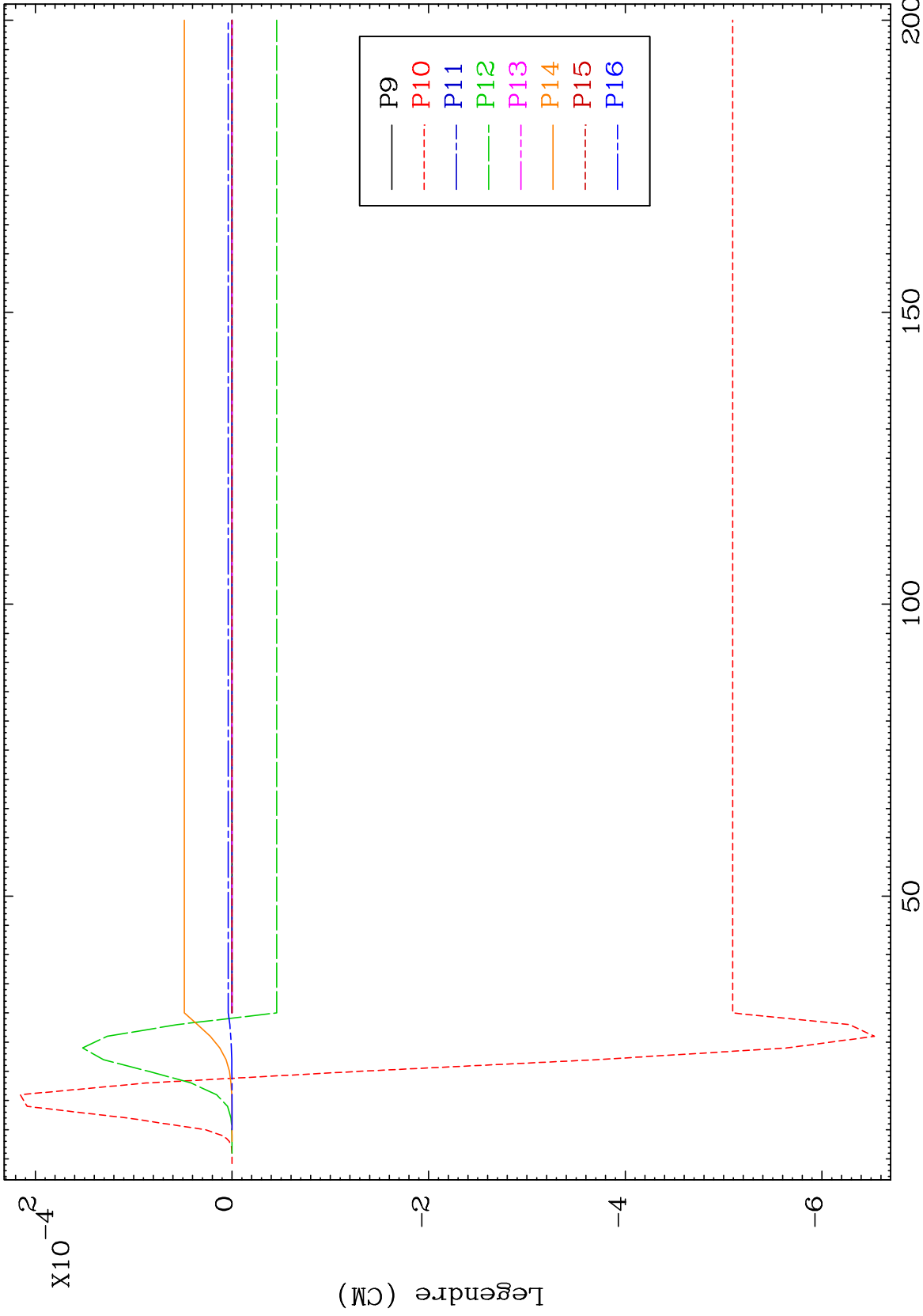


81 24-Cr-54

MAT 2437

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

24-Cr-54



82

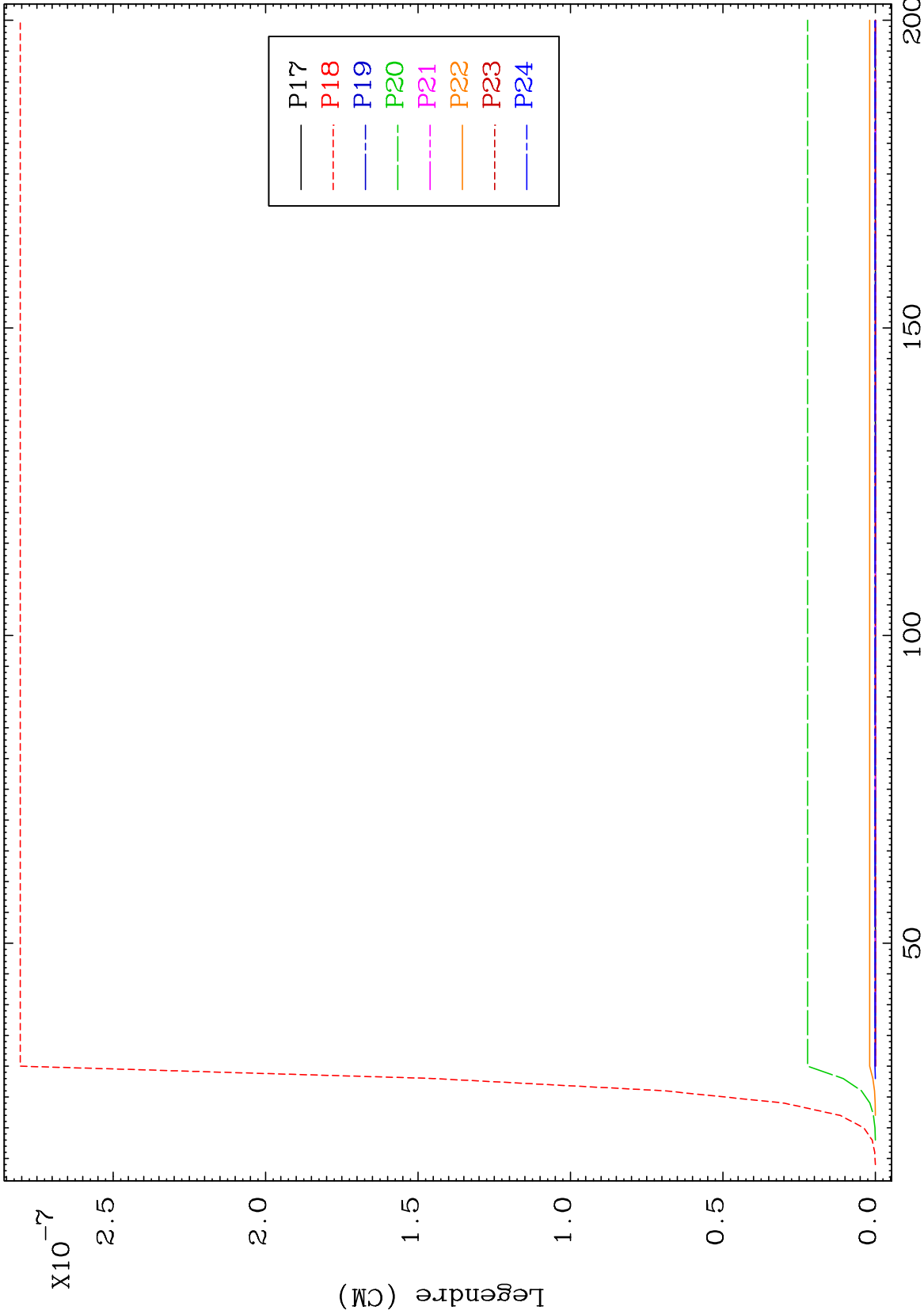
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54

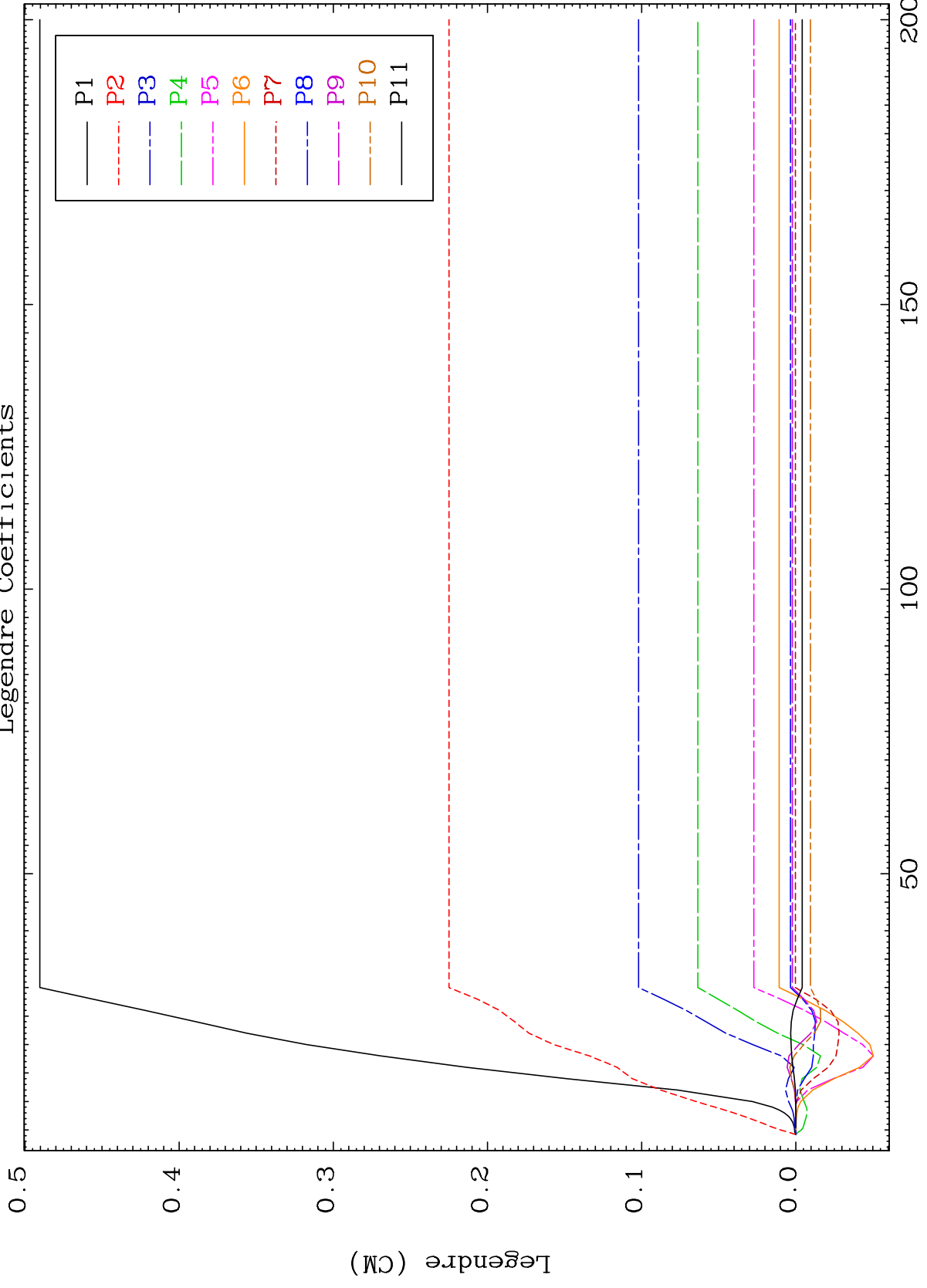


83

Incident Energy (MeV)

24-Cr-54

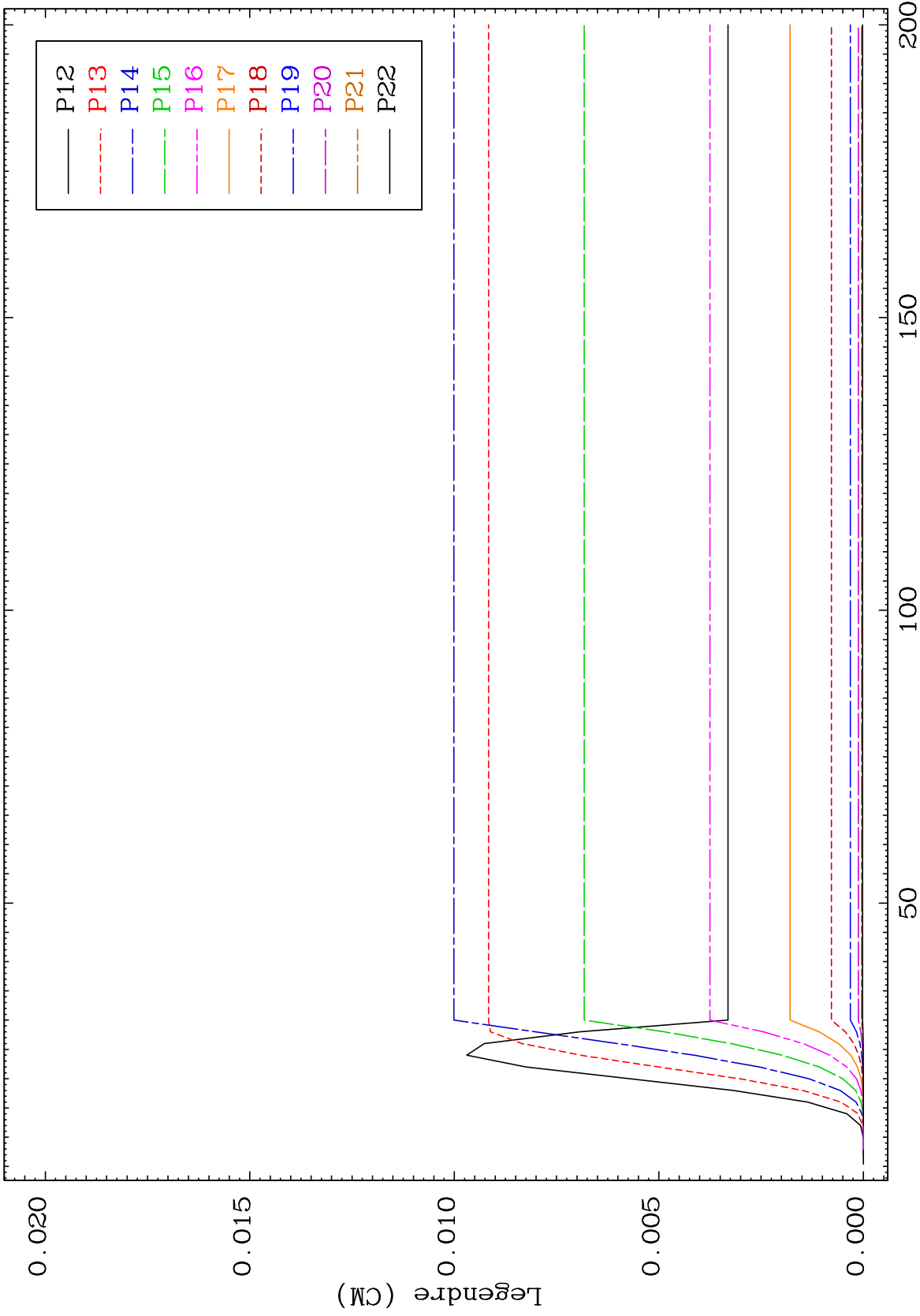
MAT 2437 MT= 73 (n,n') Level Legendre Coefficients 24-Cr-54



MAT 2437

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

24-Cr-54



85

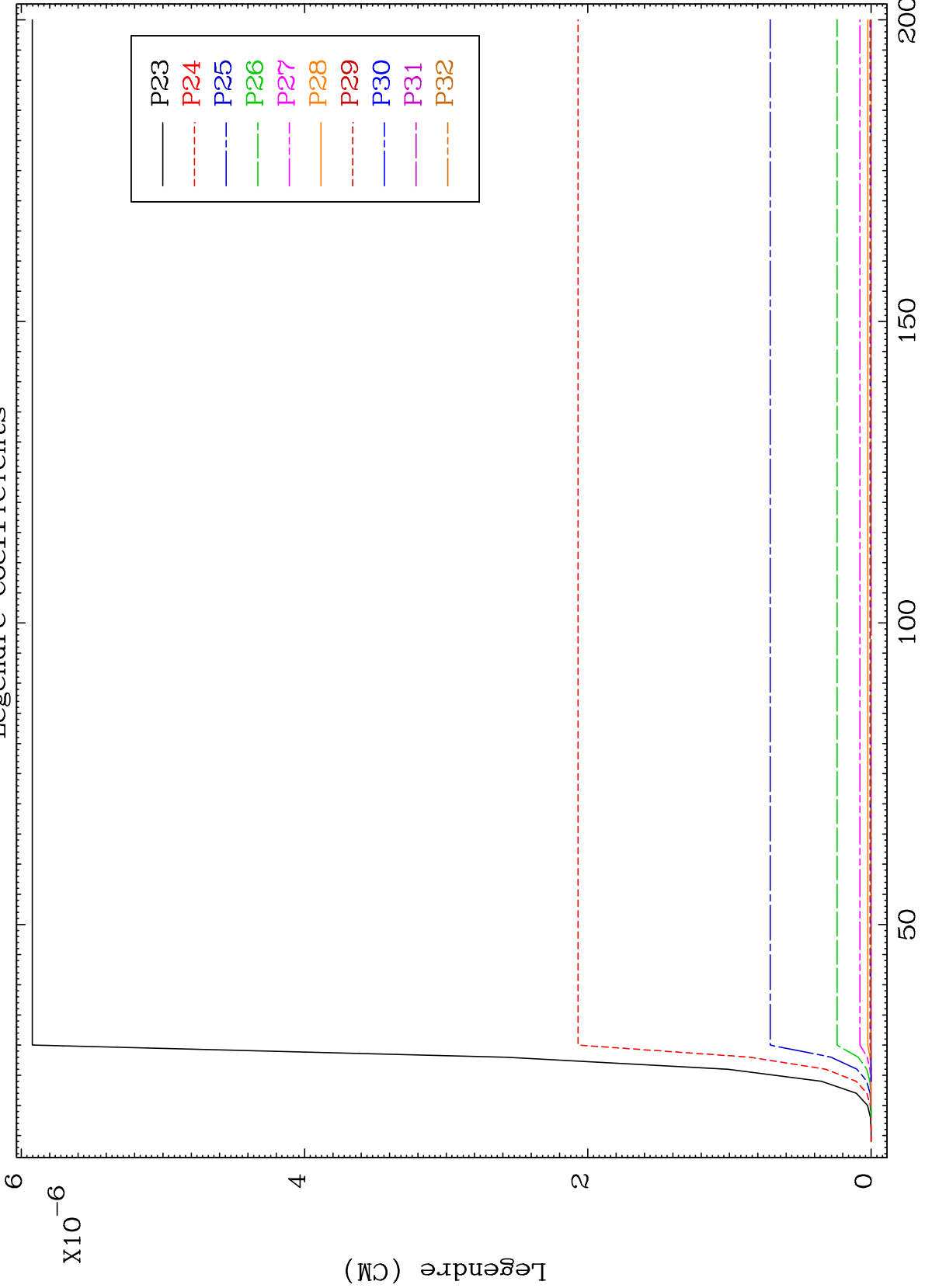
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54

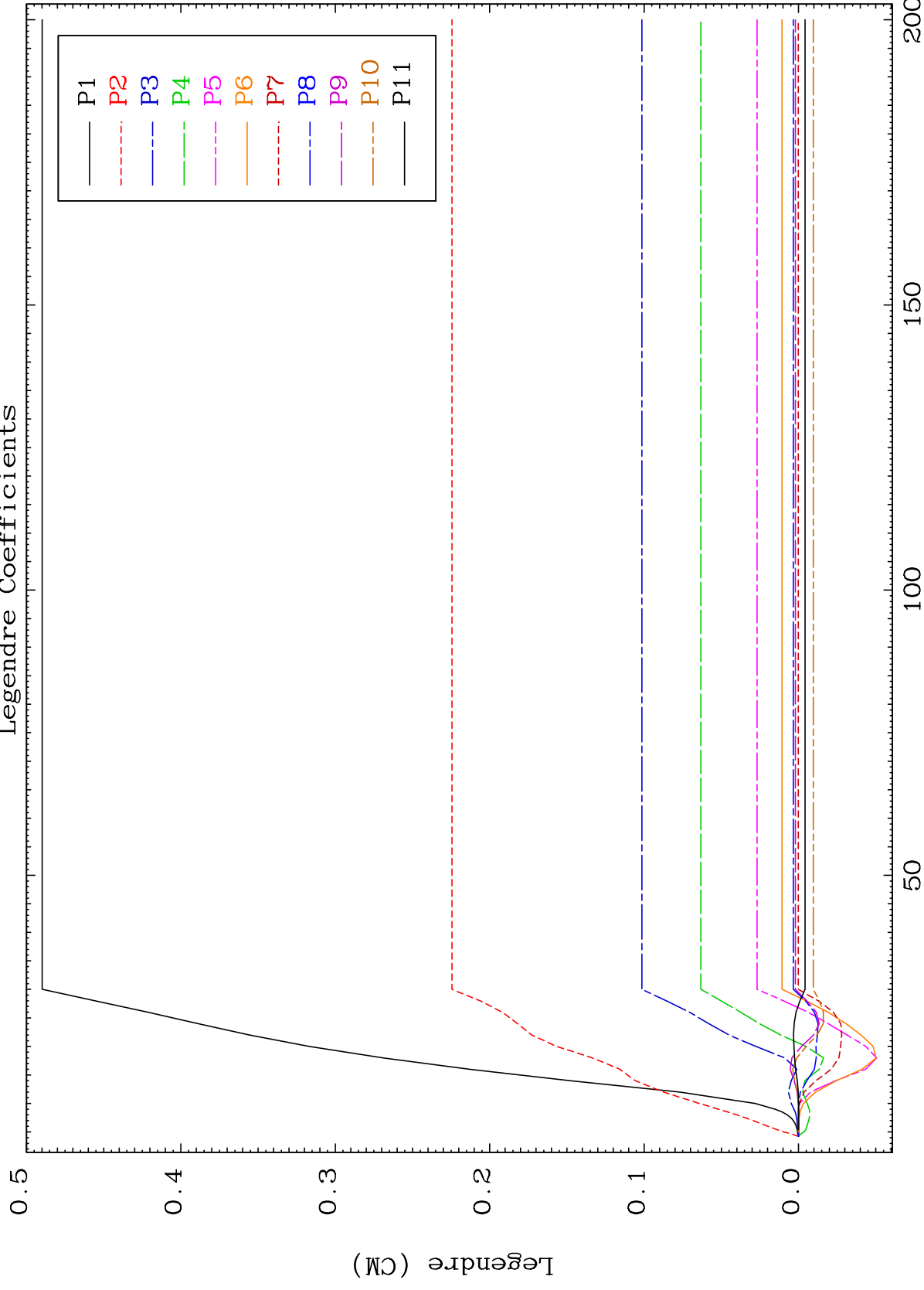


86

Incident Energy (MeV)

24-Cr-54

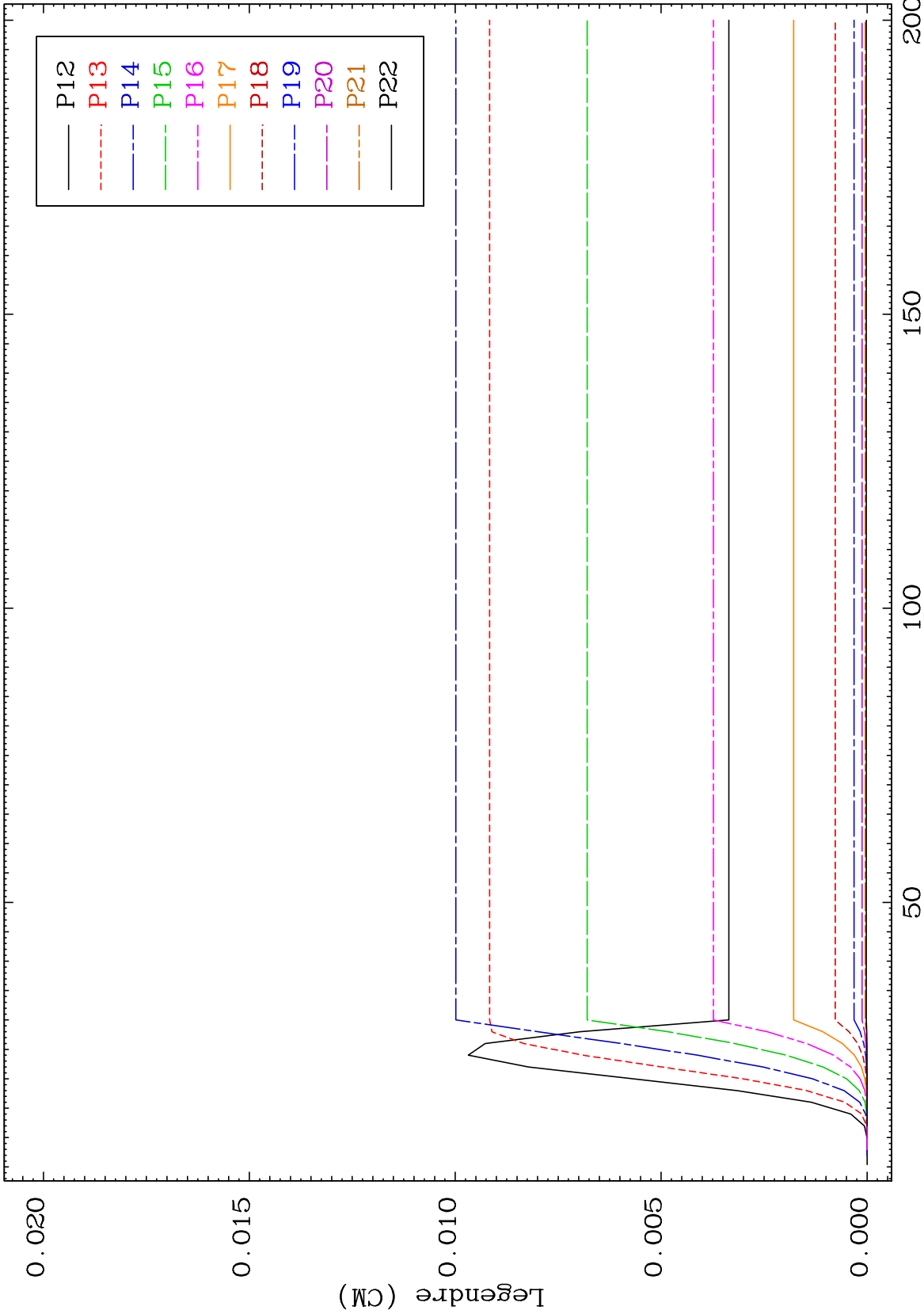
MAT 2437 MT= 74 (n,n') Level Legendre Coefficients 24-Cr-54



MAT 2437

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

24-Cr-54



88

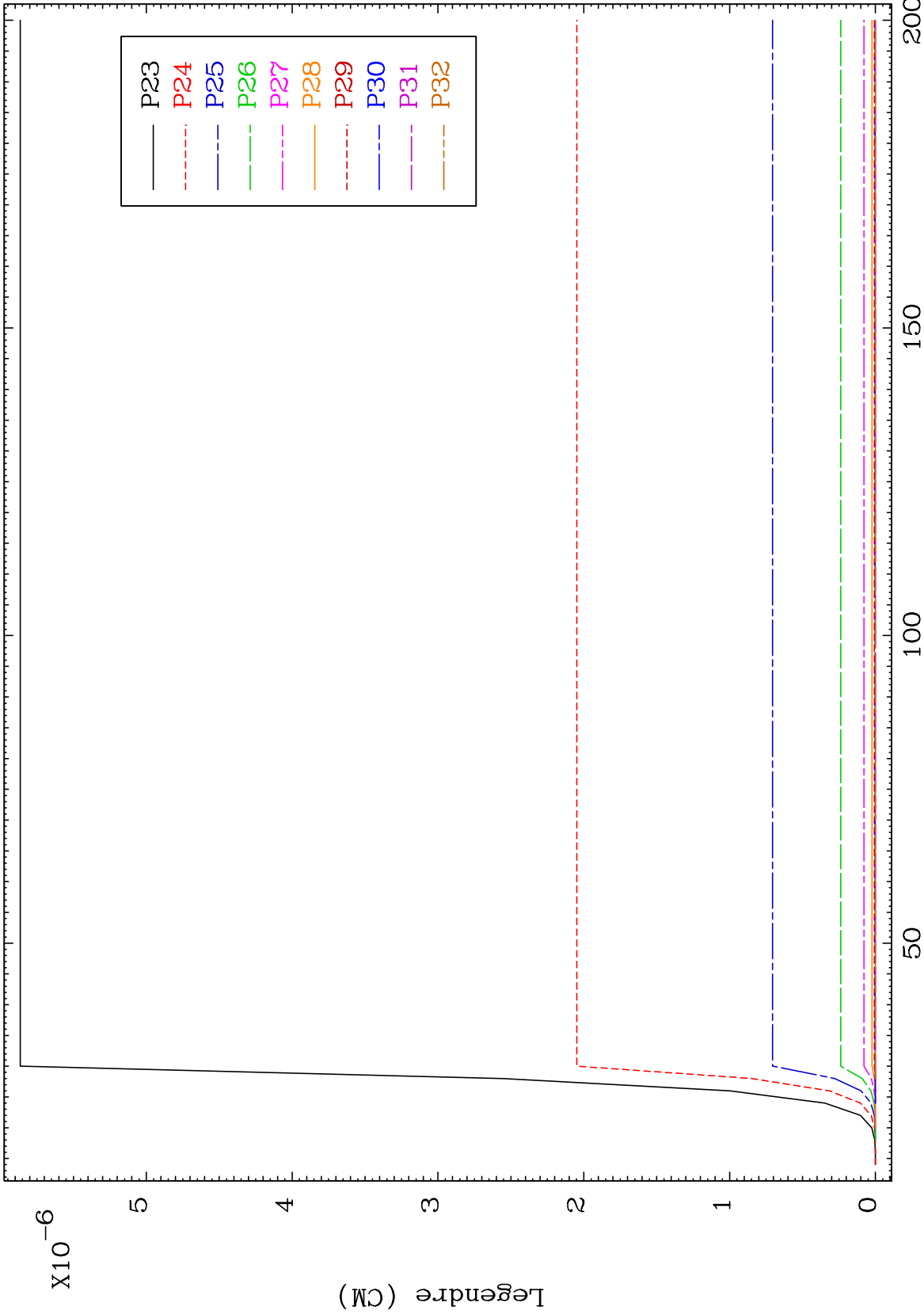
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



89

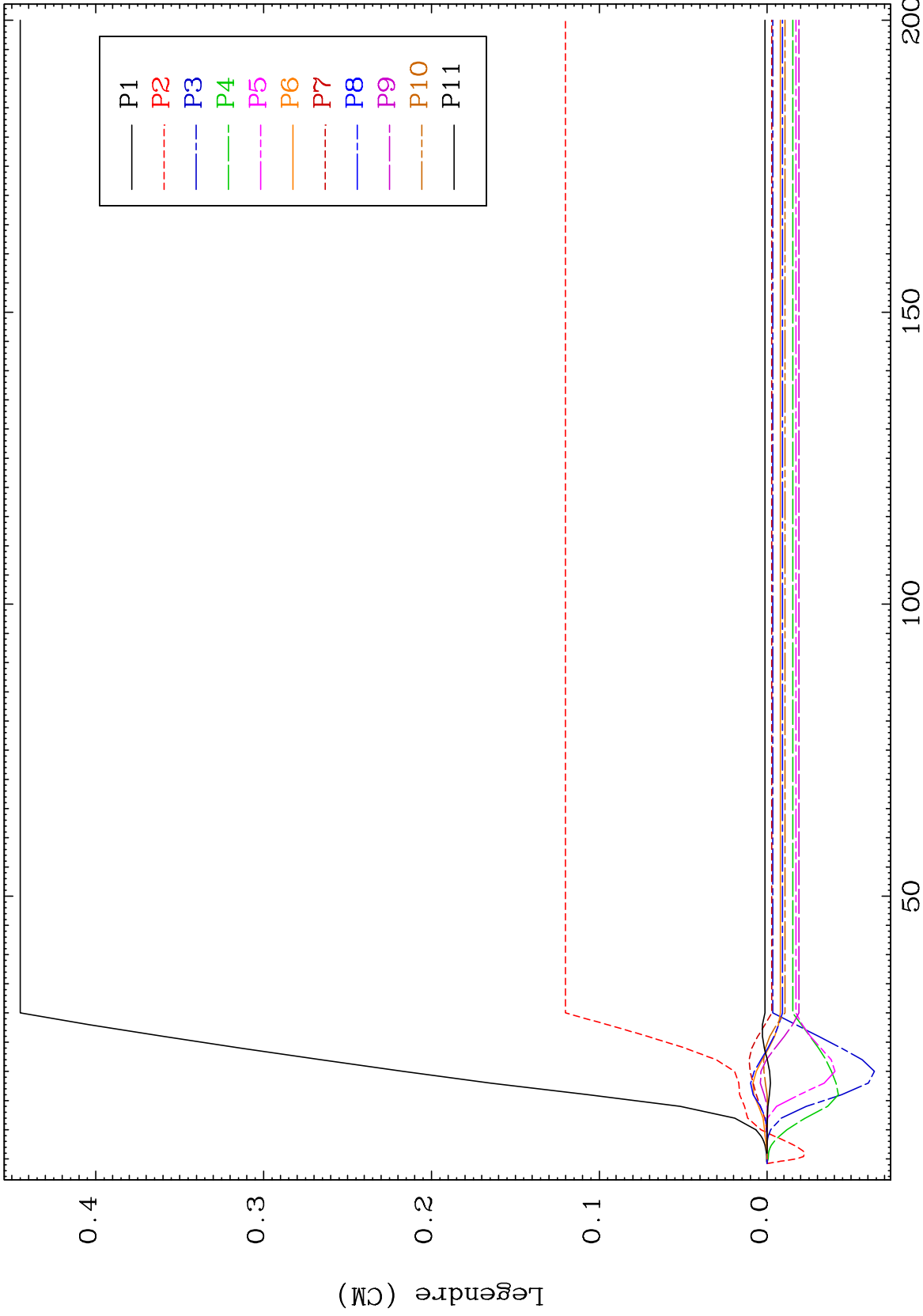
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



90

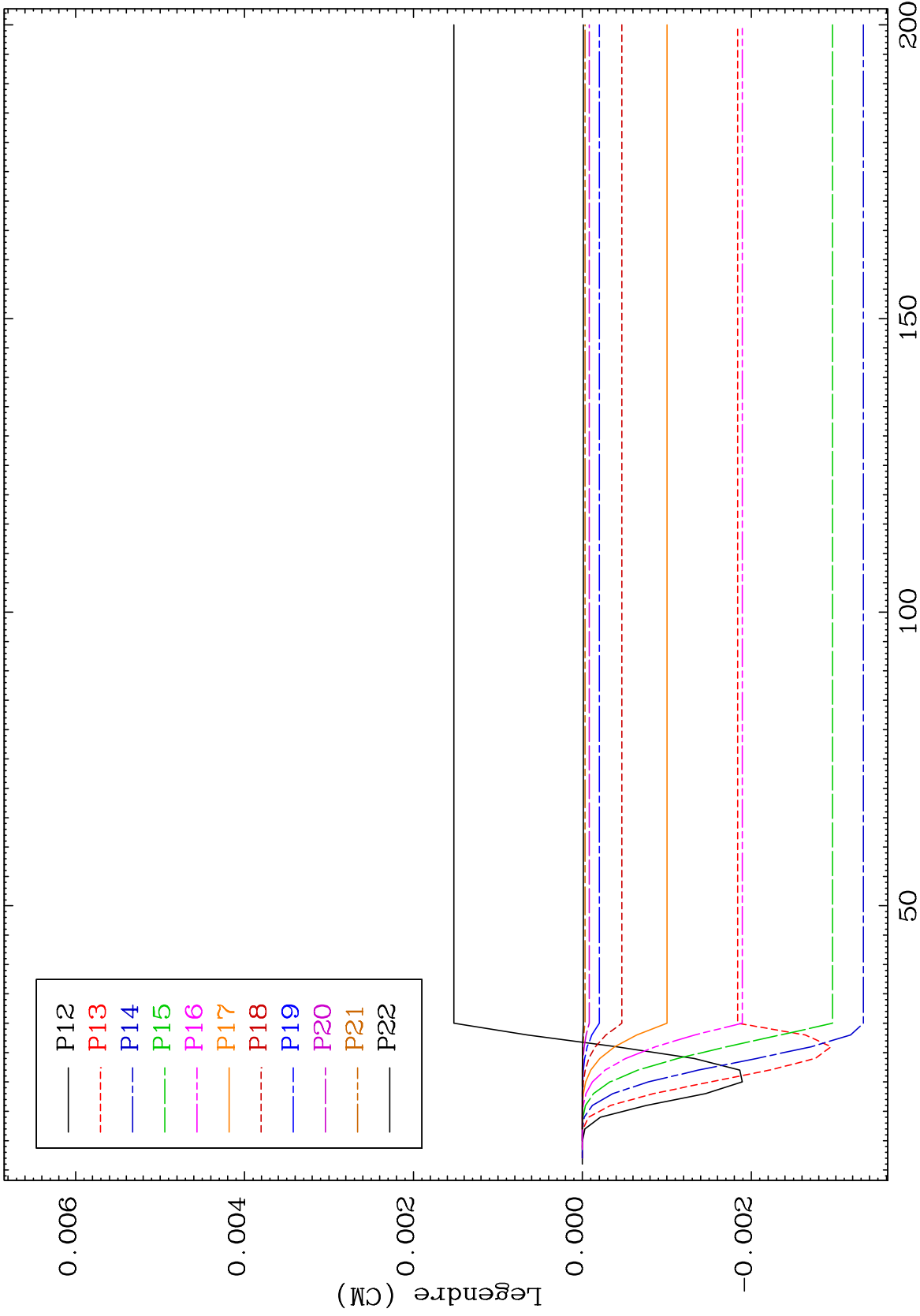
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54

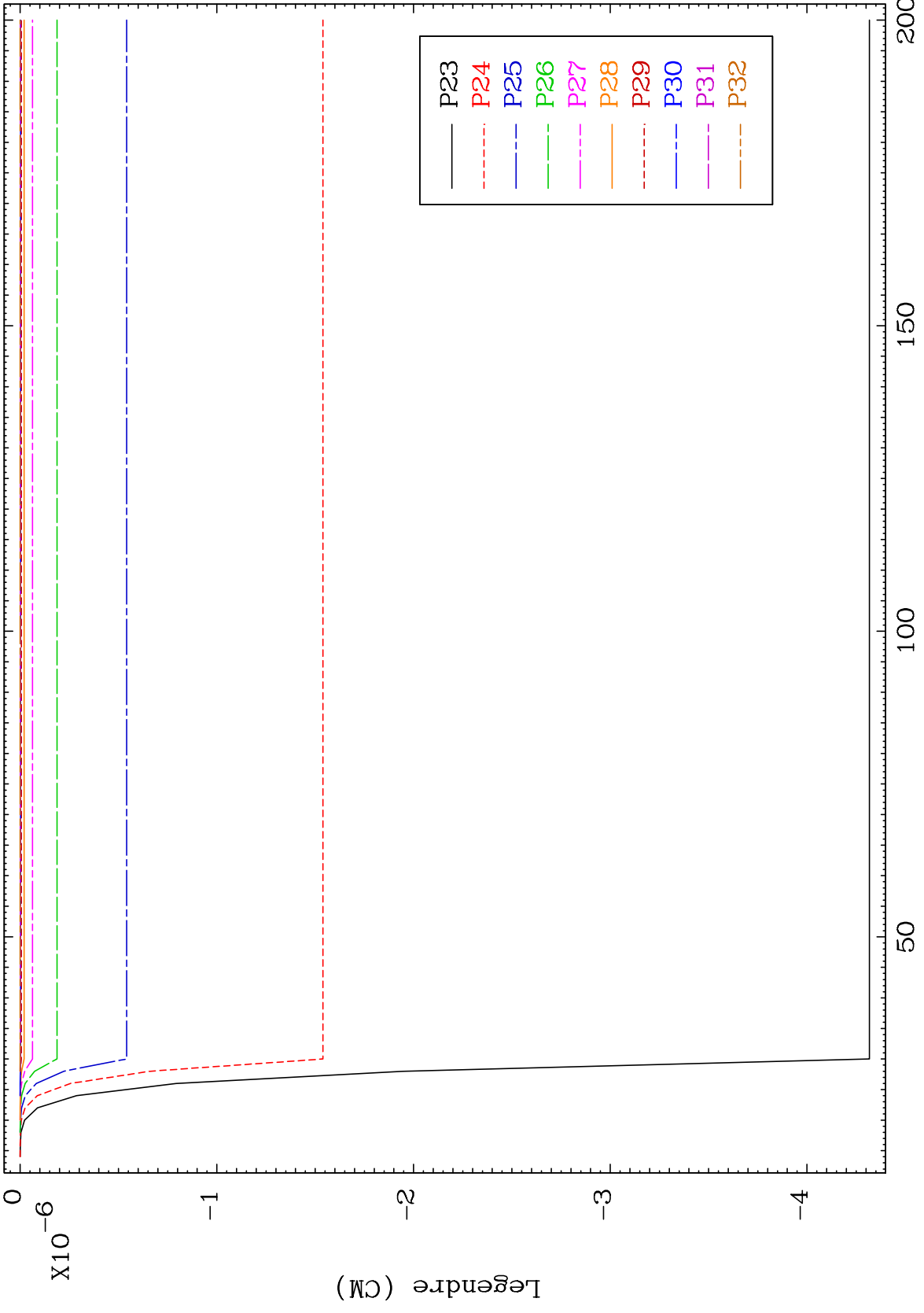


91

Incident Energy (MeV)

24-Cr-54

MAT 2437 MT= 75 (n,n') Level Legendre Coefficients 24-Cr-54

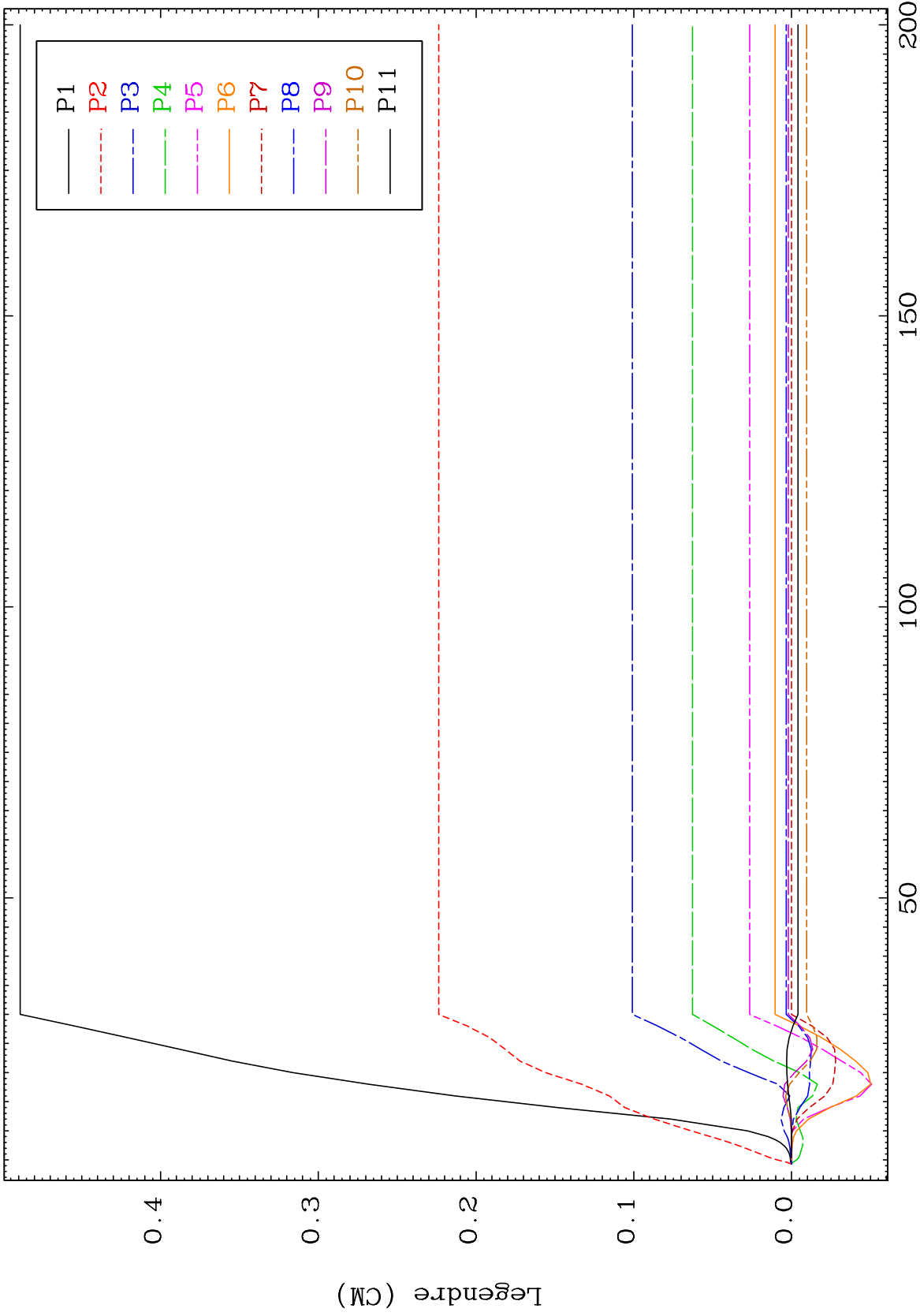


92 24-Cr-54

MAT 2437

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

24-Cr-54



93

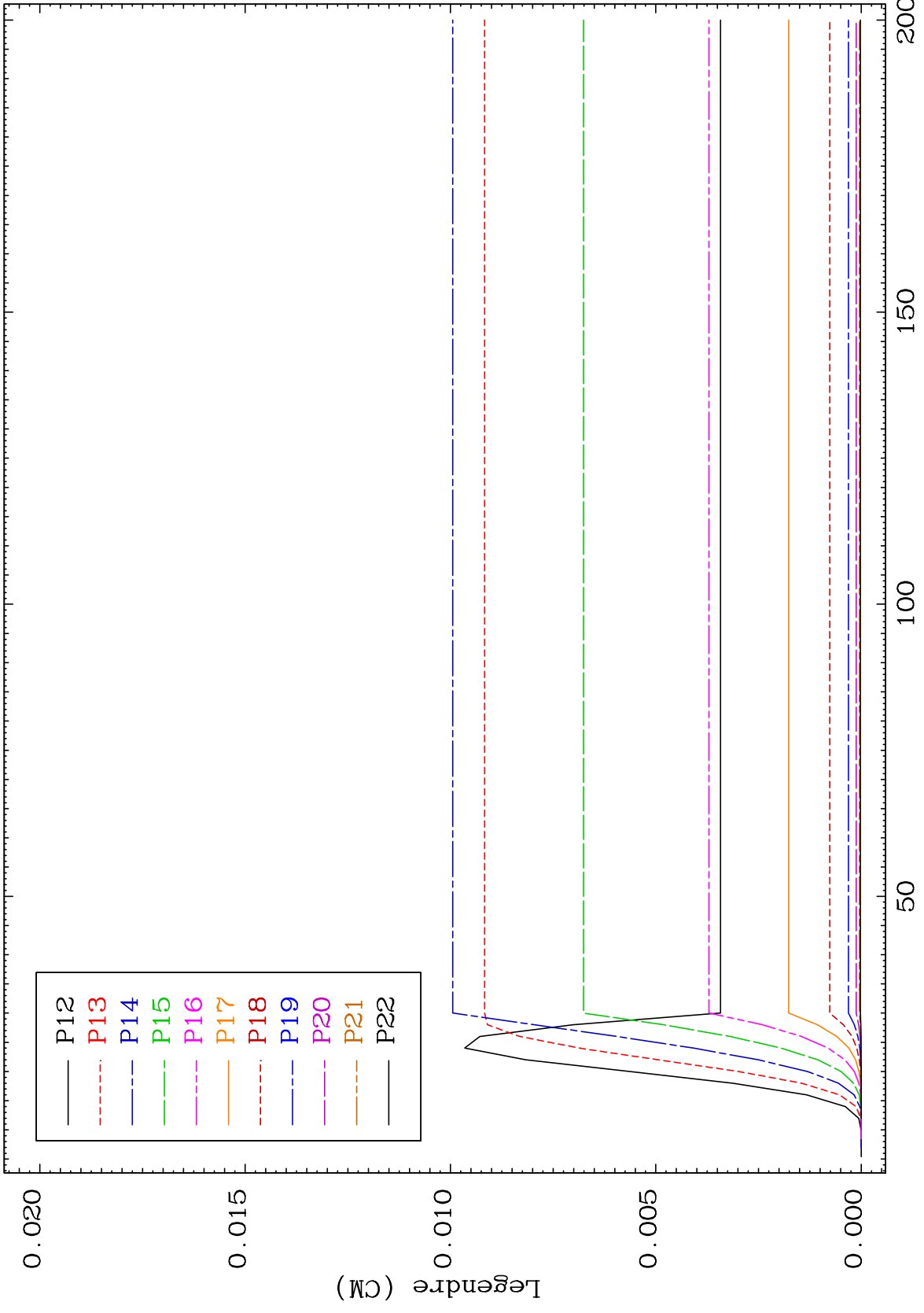
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



94

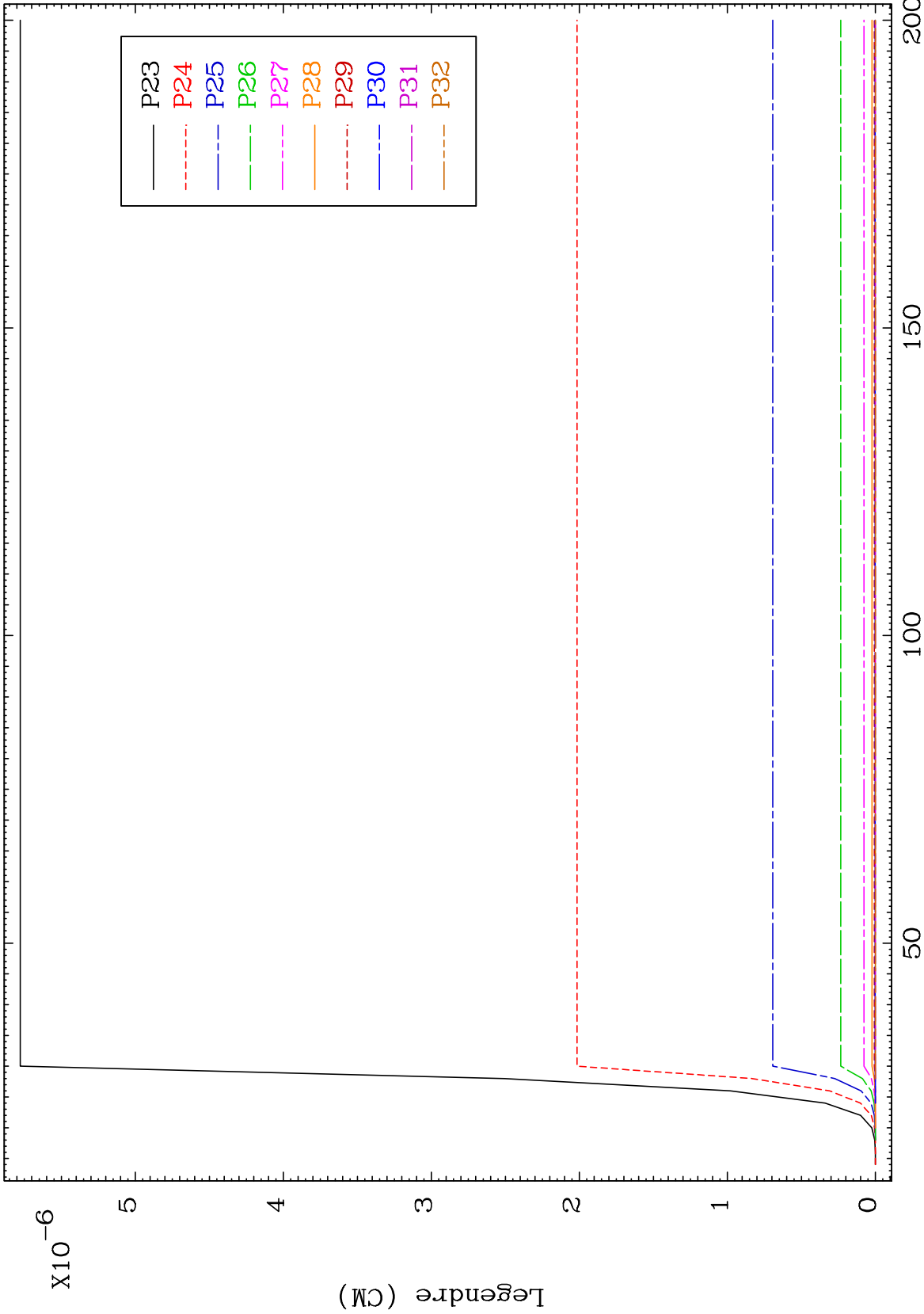
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



95

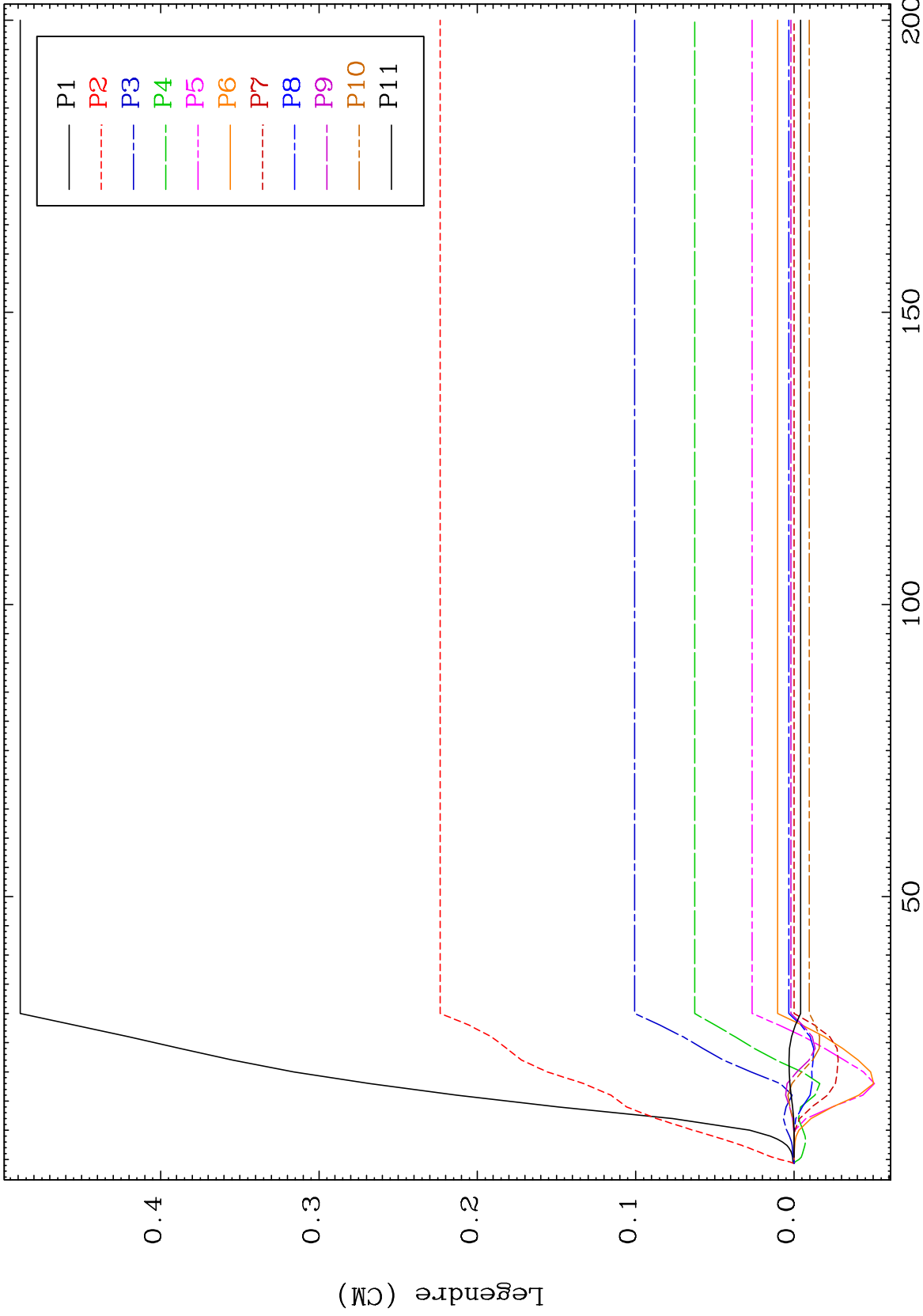
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



96

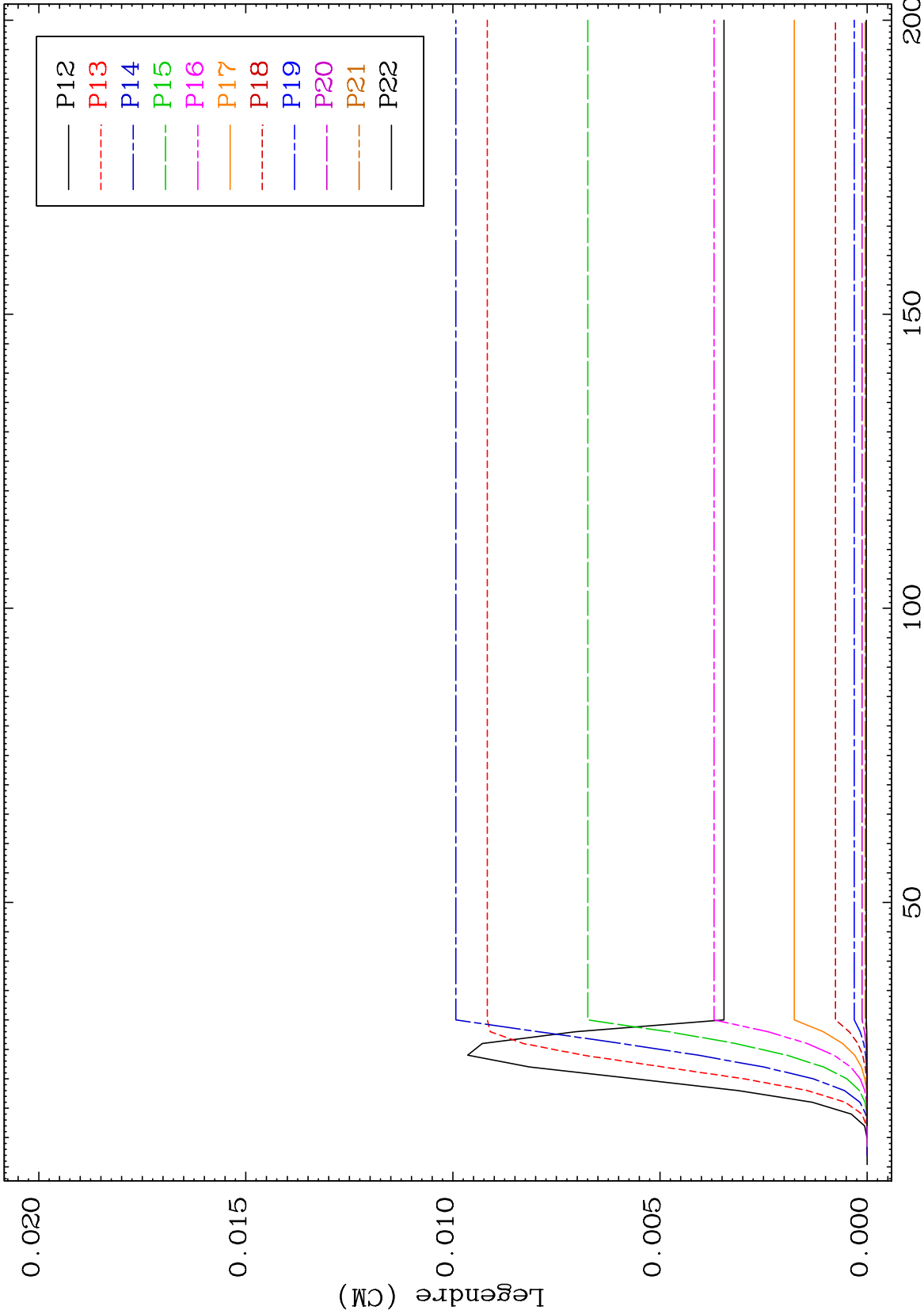
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



97

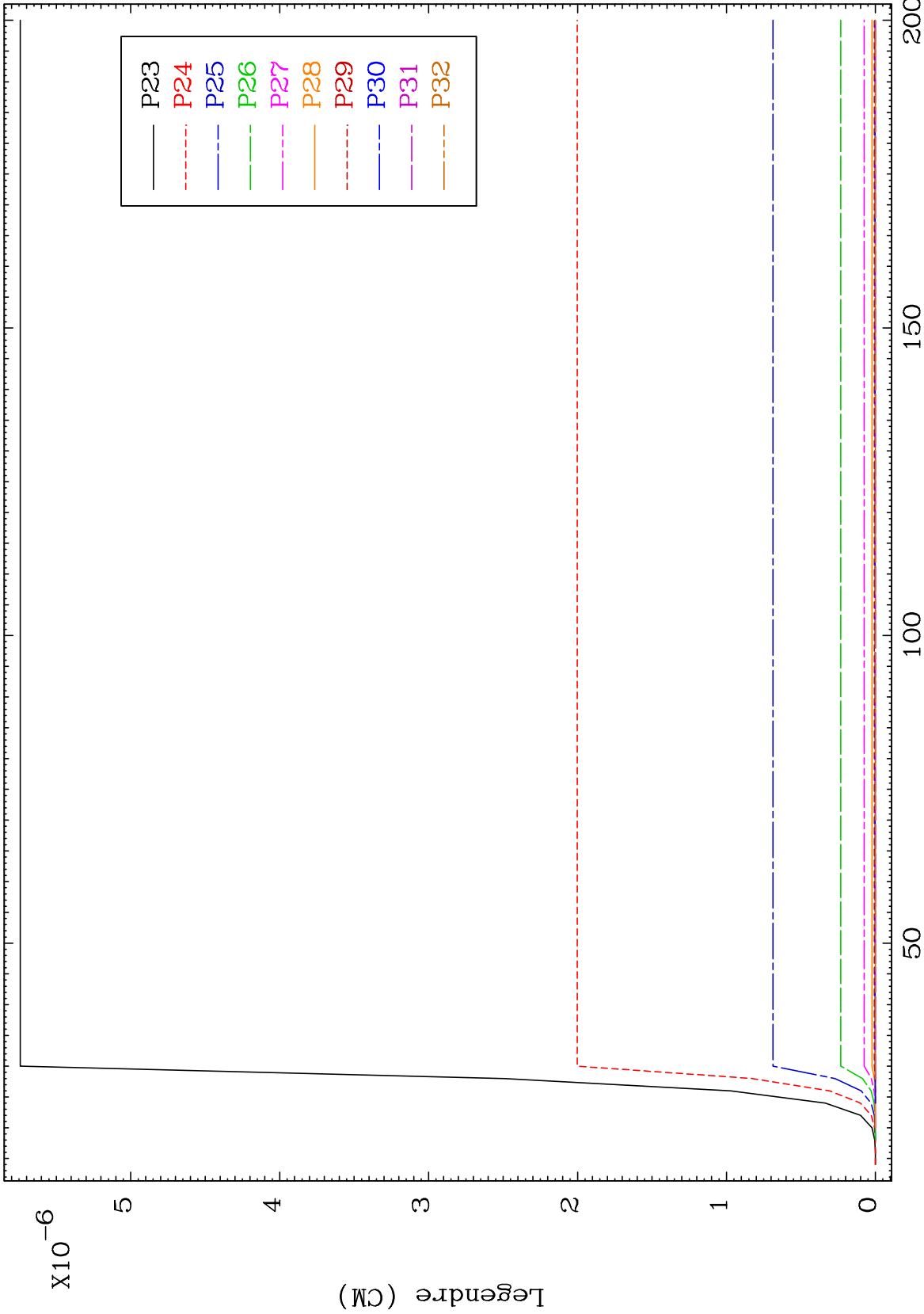
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



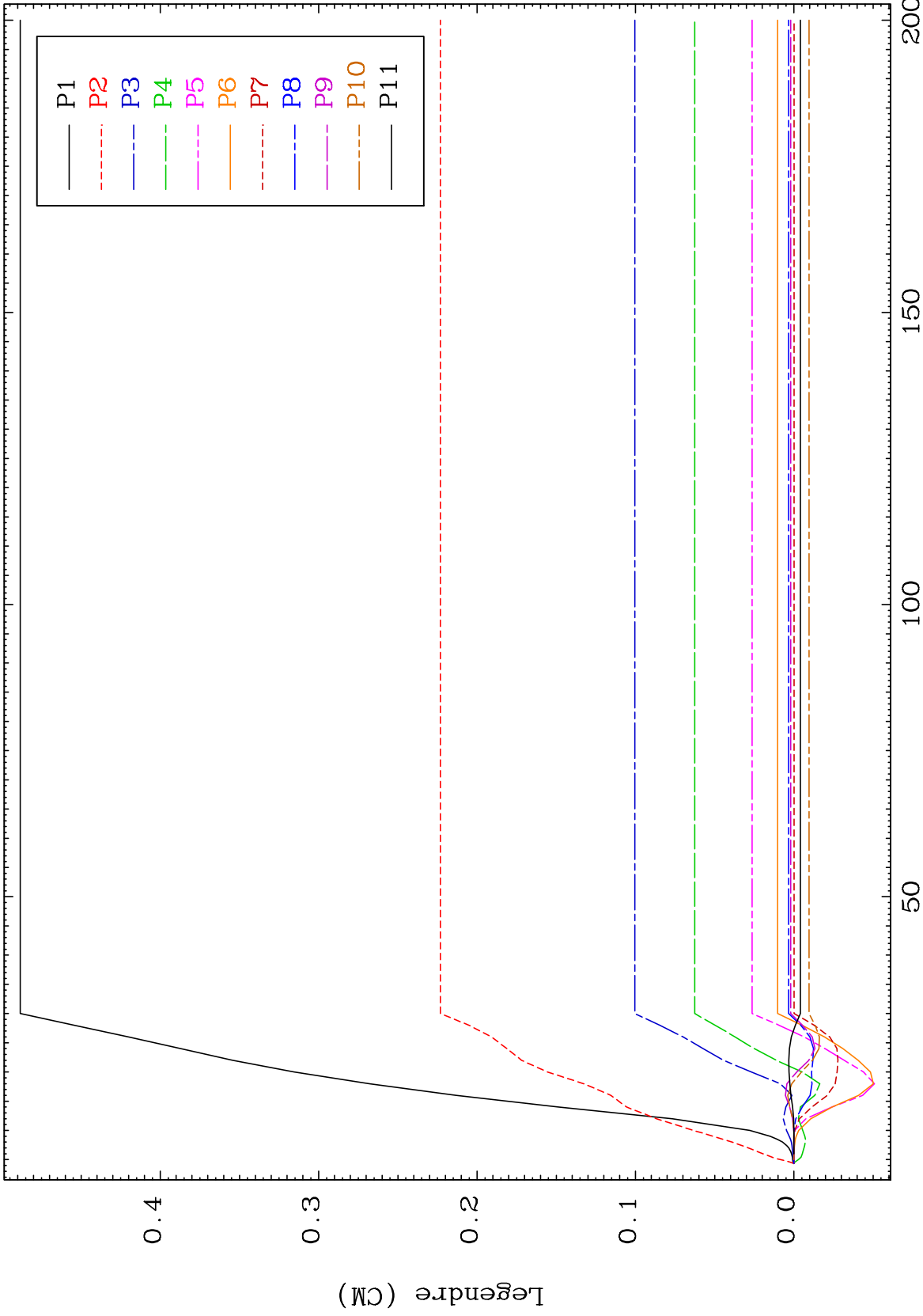
98

24-Cr-54

MAT 2437

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

24-Cr-54



99

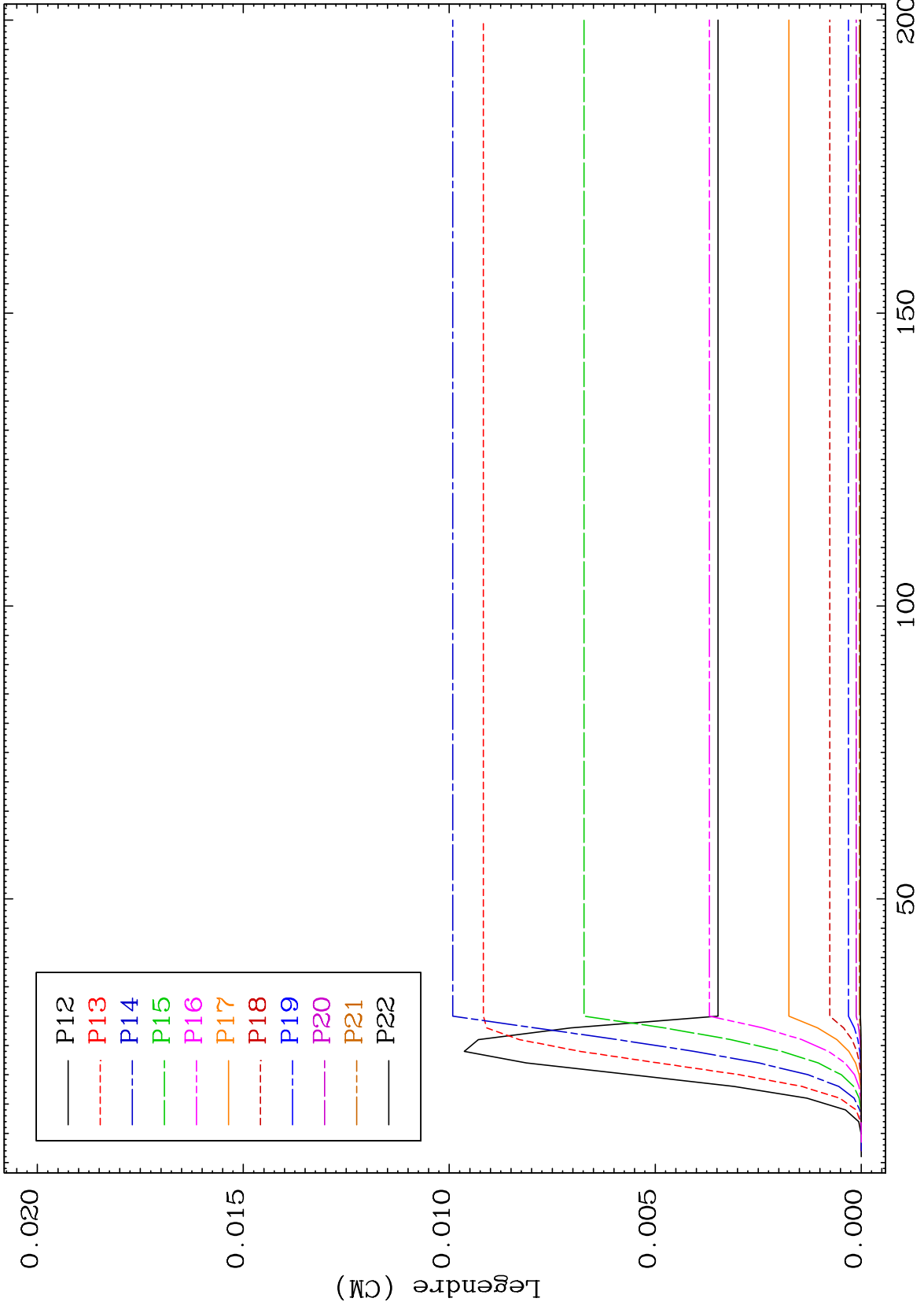
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



100

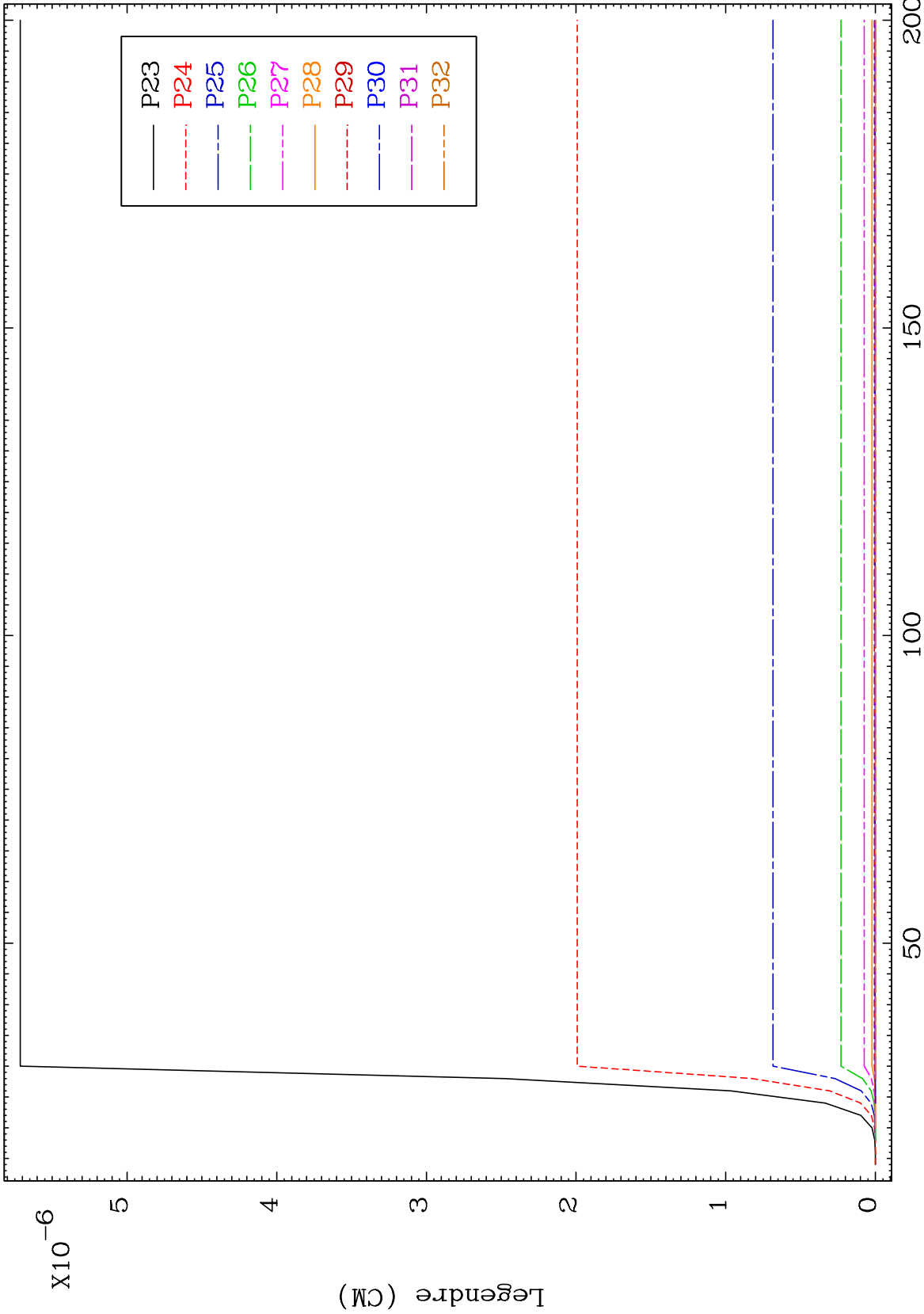
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



101

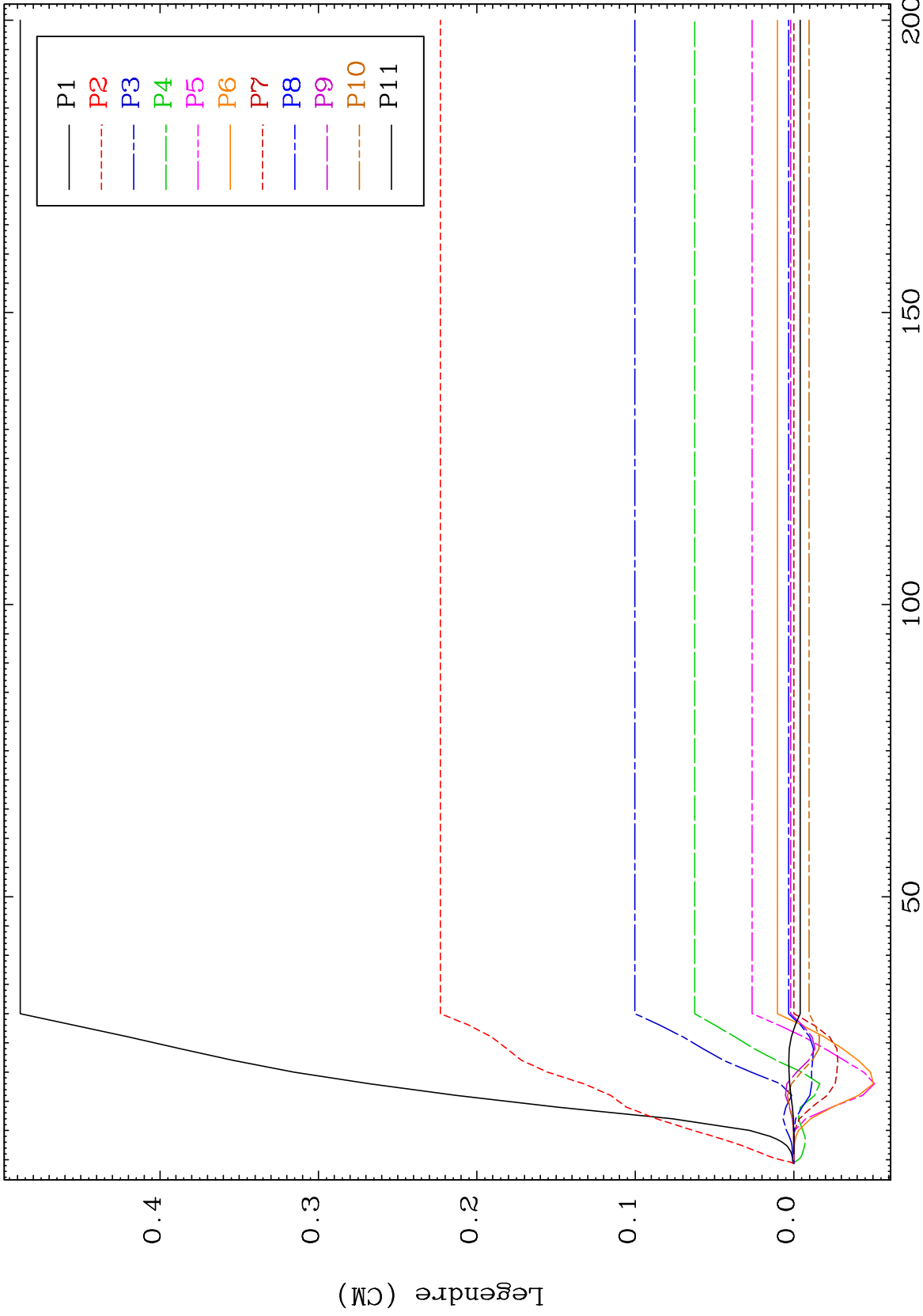
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



24-Cr-54

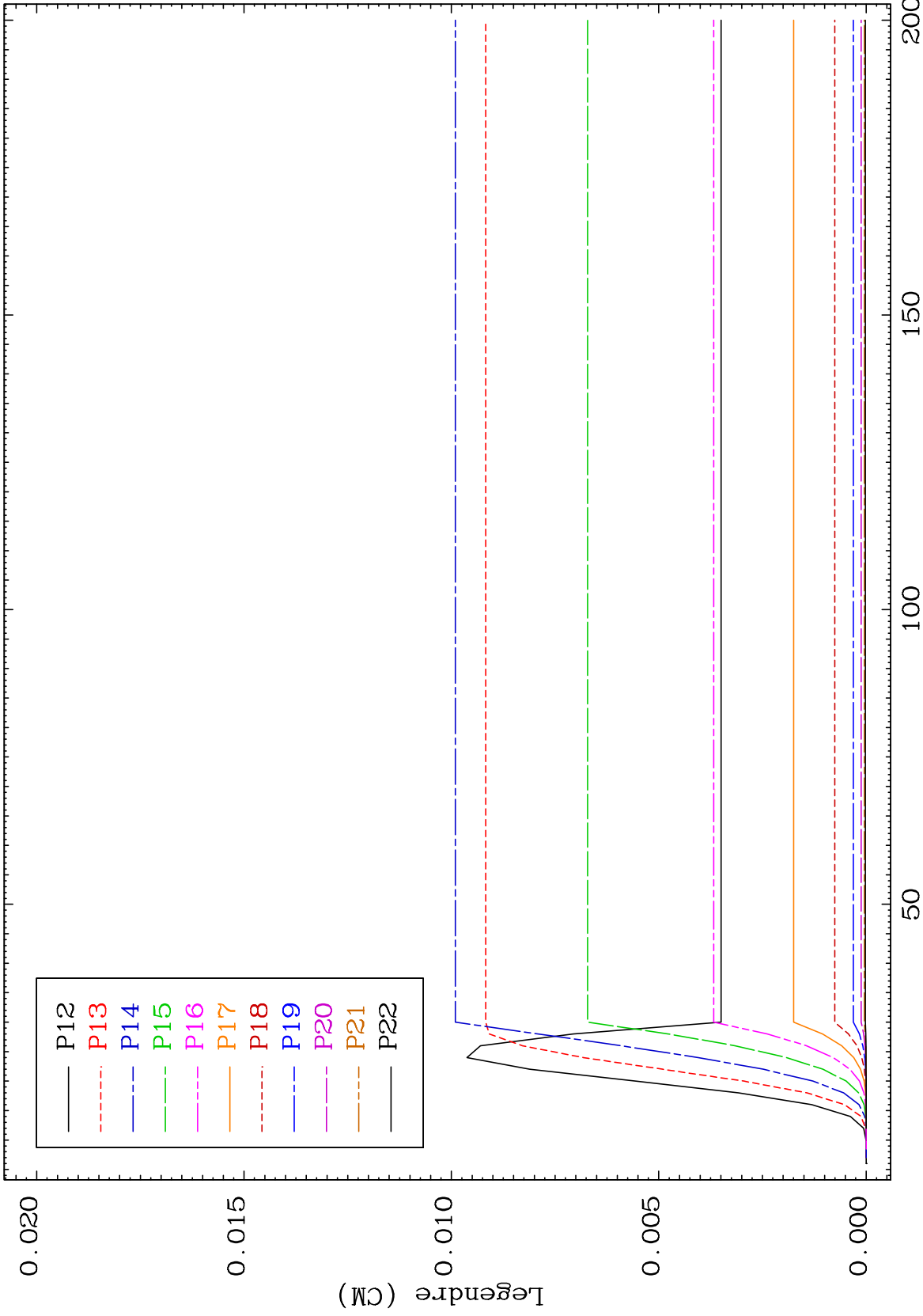
Incident Energy (MeV)

102

MAT 2437

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

24-Cr-54



103

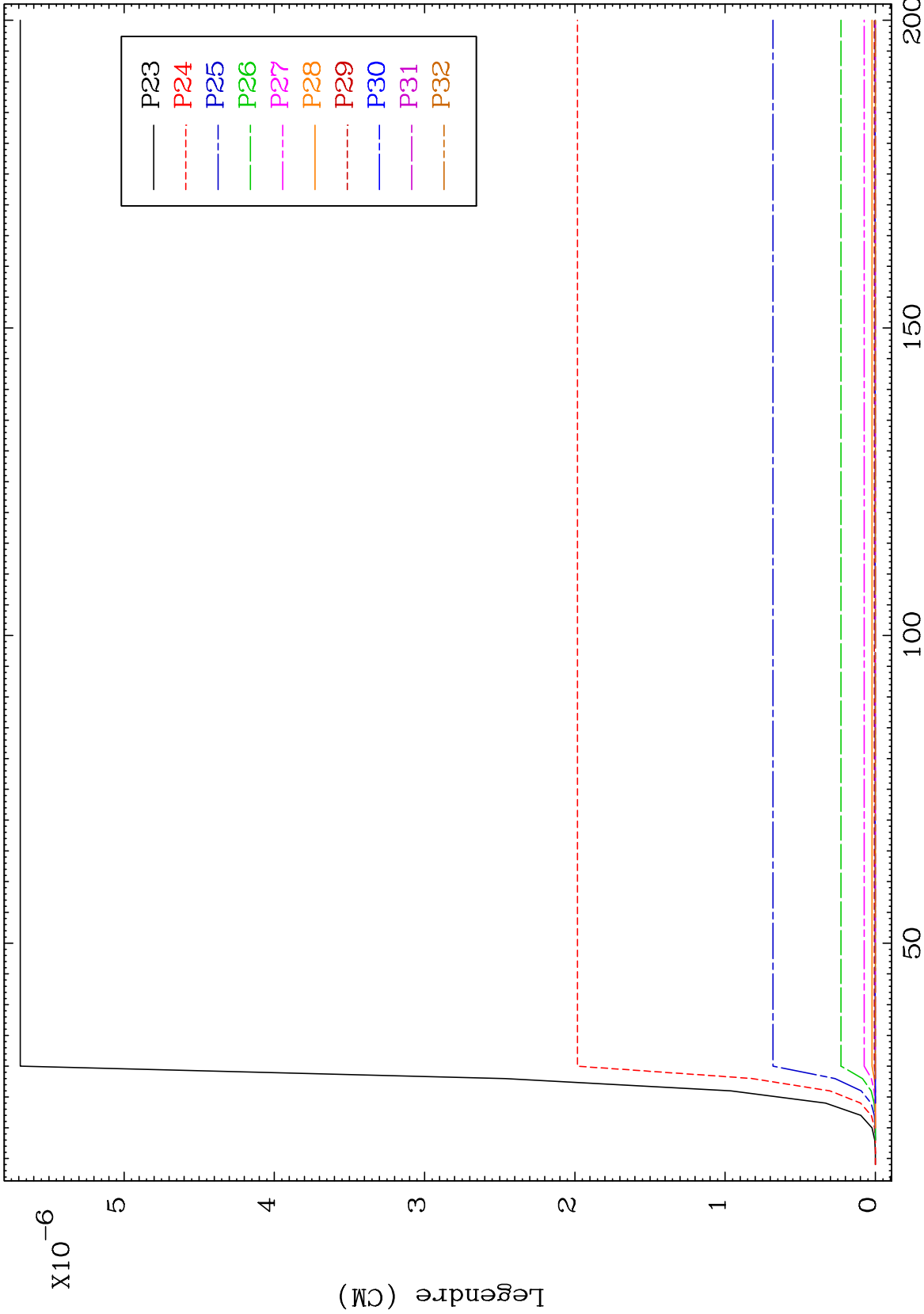
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54

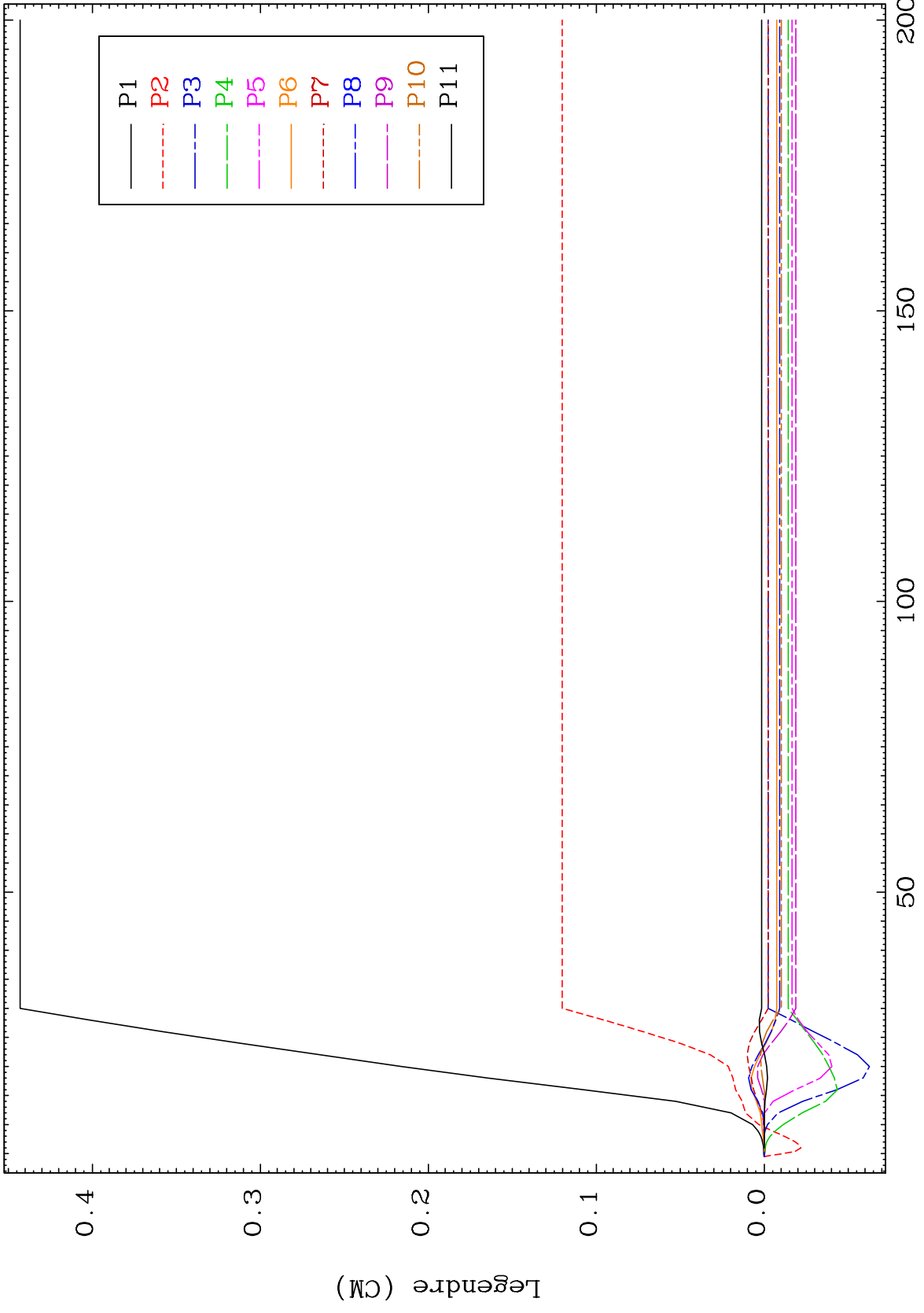


104

Incident Energy (MeV)

24-Cr-54

MAT 2437 MT= 80 (n,n') Level Legendre Coefficients 24-Cr-54

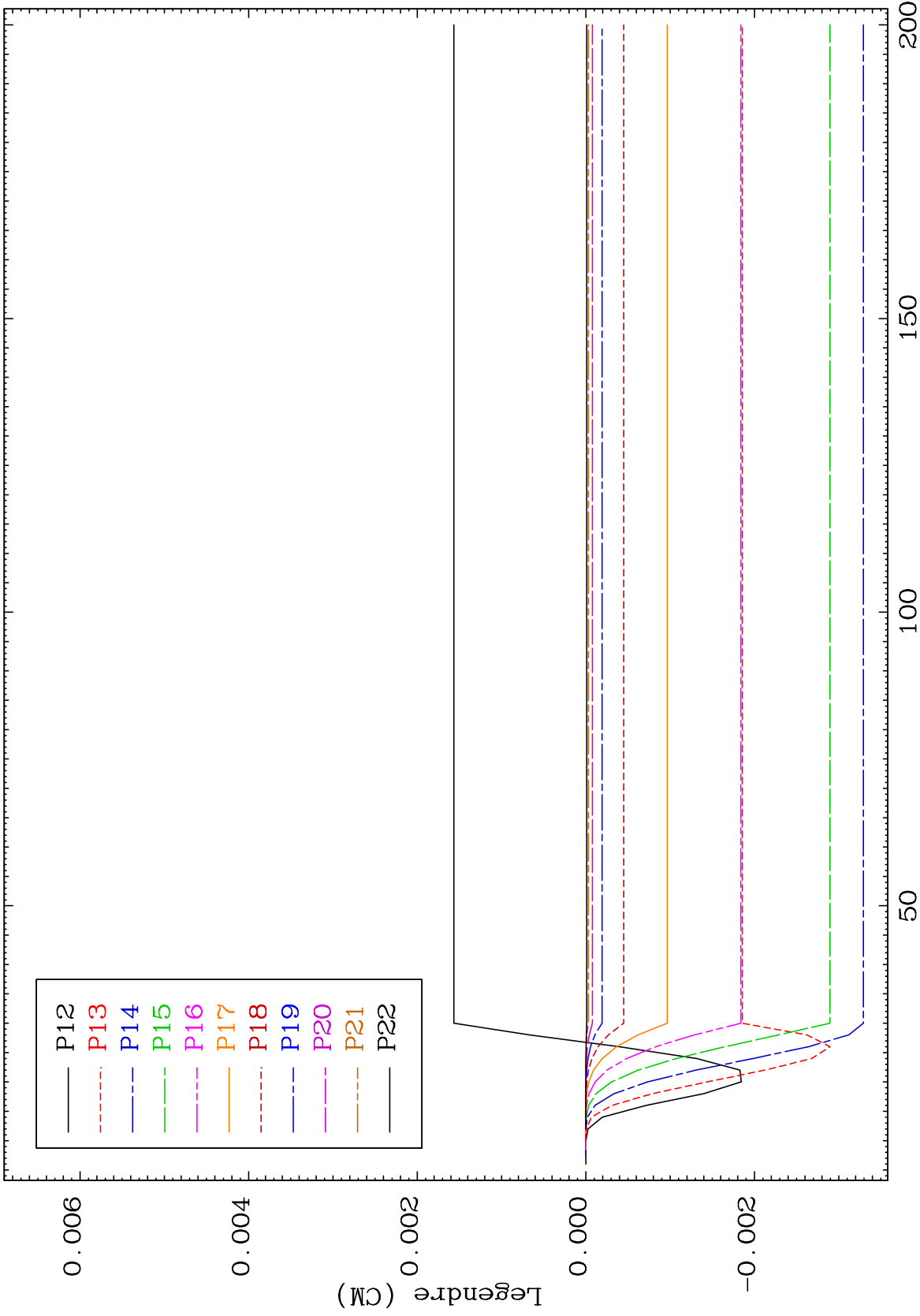


105 50 100 150 200 24-Cr-54

MAT 2437

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

24-Cr-54

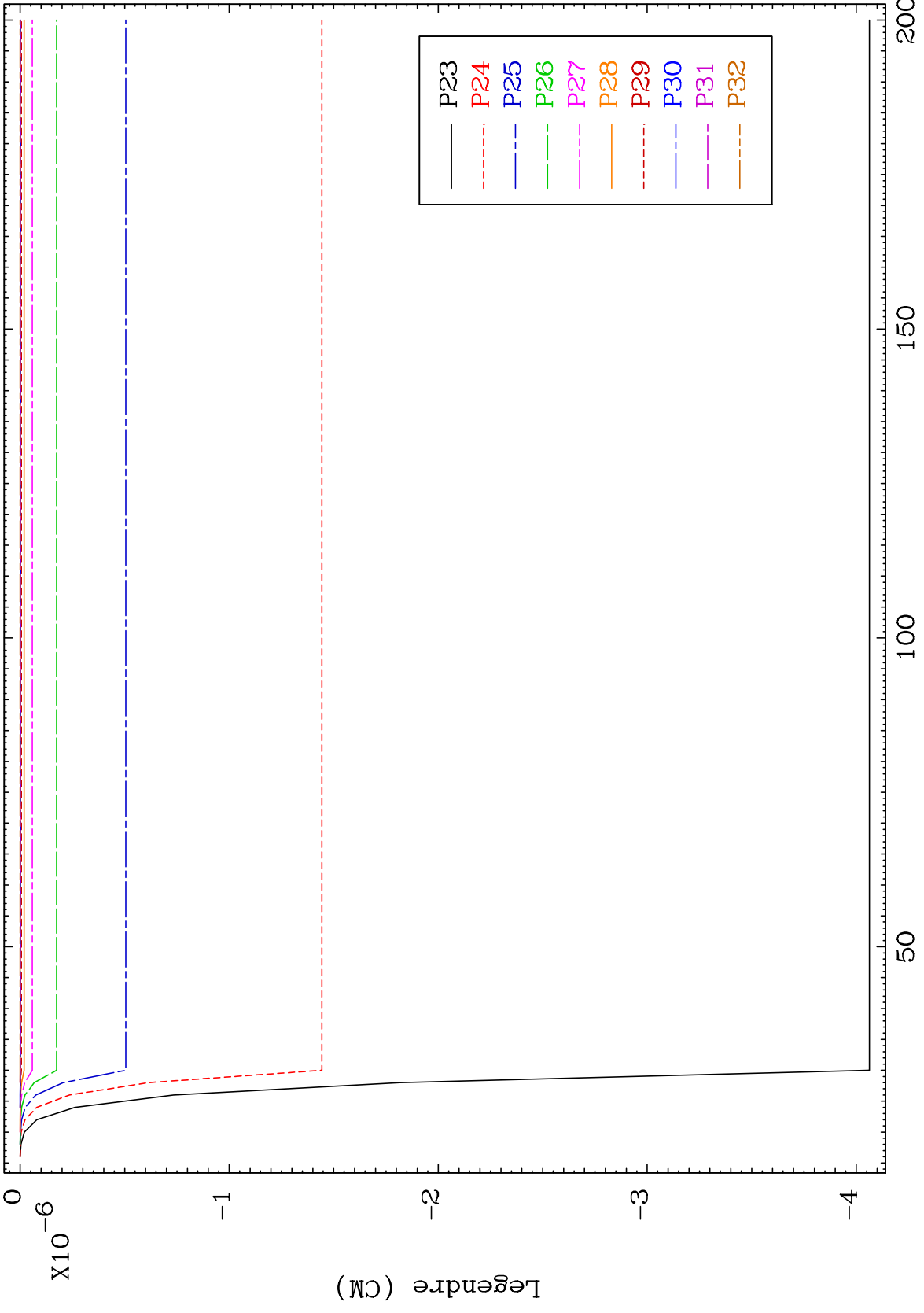


106

Incident Energy (MeV)

24-Cr-54

MAT 2437 MT= 80 (n,n') Level Legendre Coefficients 24-Cr-54



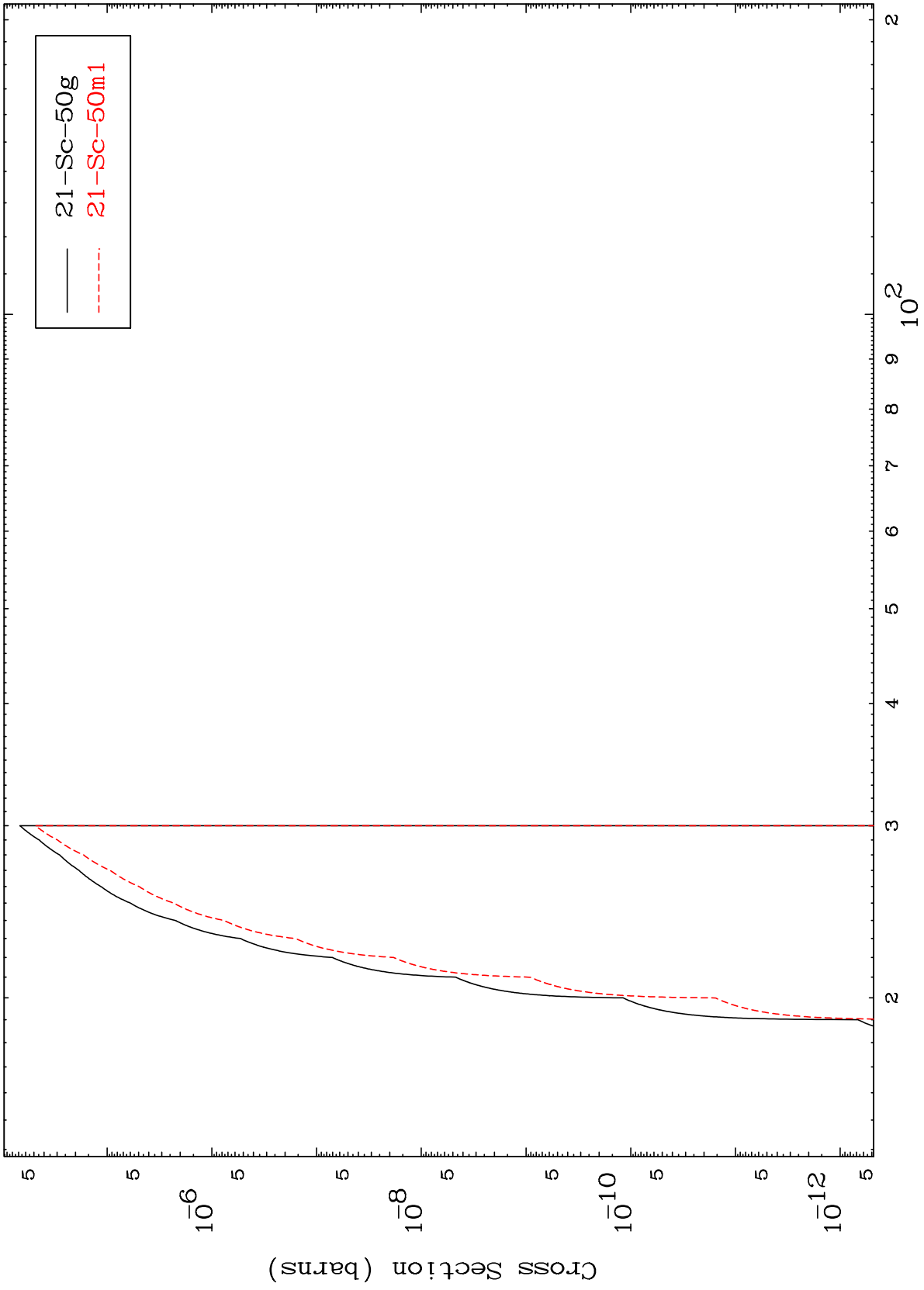
107 Incident Energy (MeV) 24-Cr-54

MAT 2437

(n,p) α

²⁴Cr-54

Radionuclide Production Cross Section



108

Incident Energy (MeV)

²⁴Cr-54