

Program EVALPLOT
(Version 2021-1)

by

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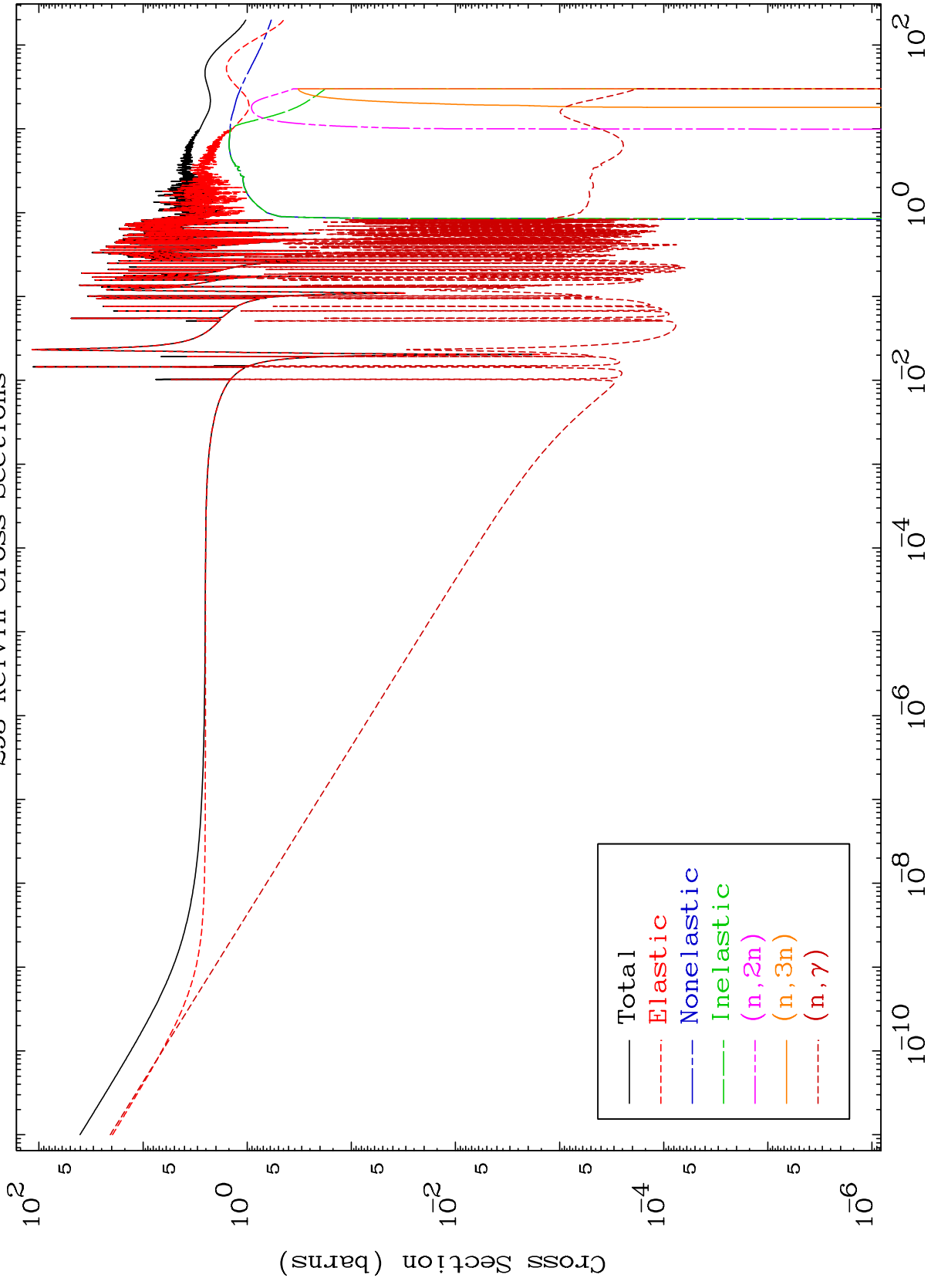
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2437

Neutron Major
293 Kelvin Cross Sections

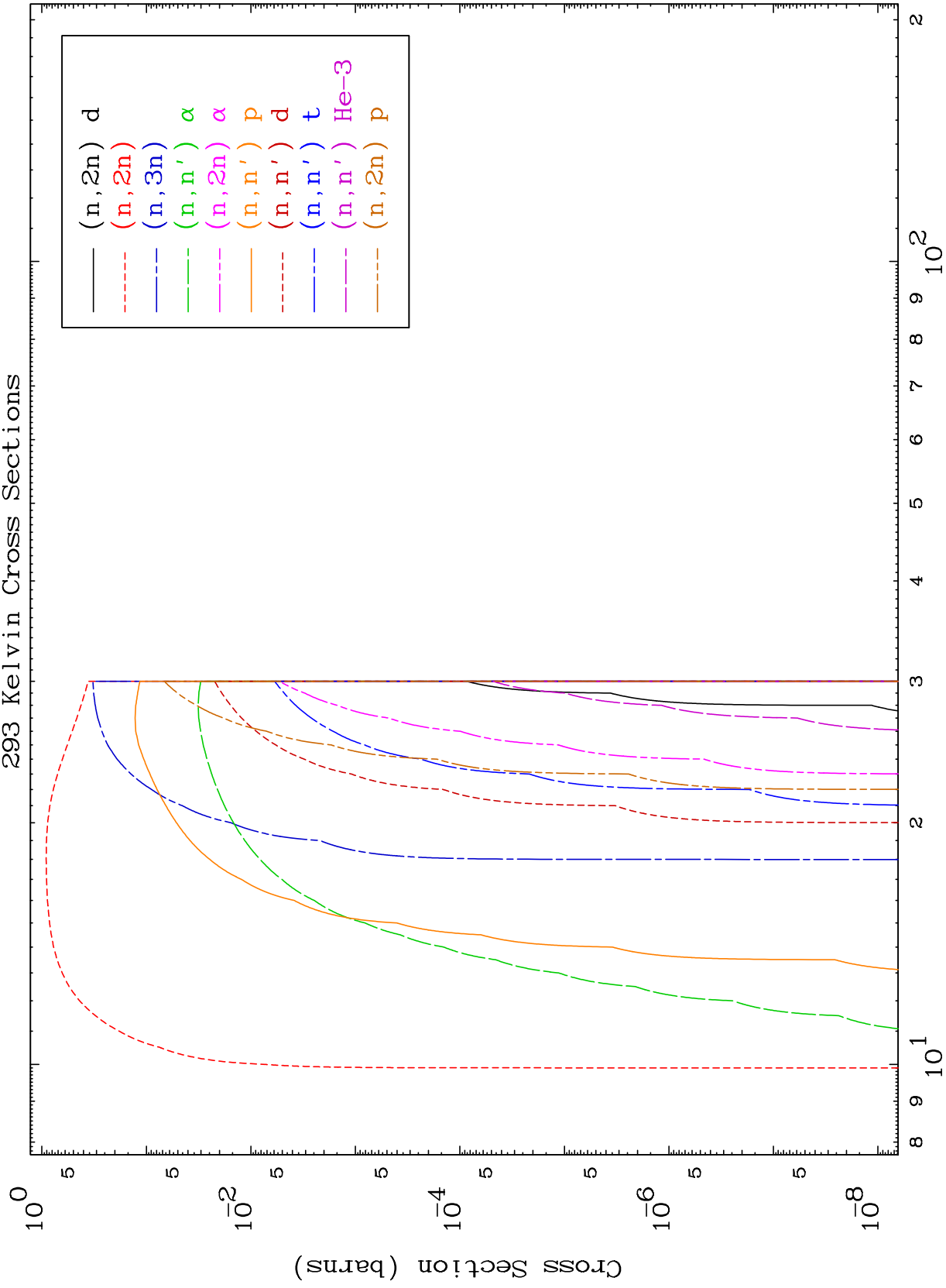
24-Cr-54



MAT 2437

Neutron Absorption
293 Kelvin Cross Sections

24-Cr-54



2

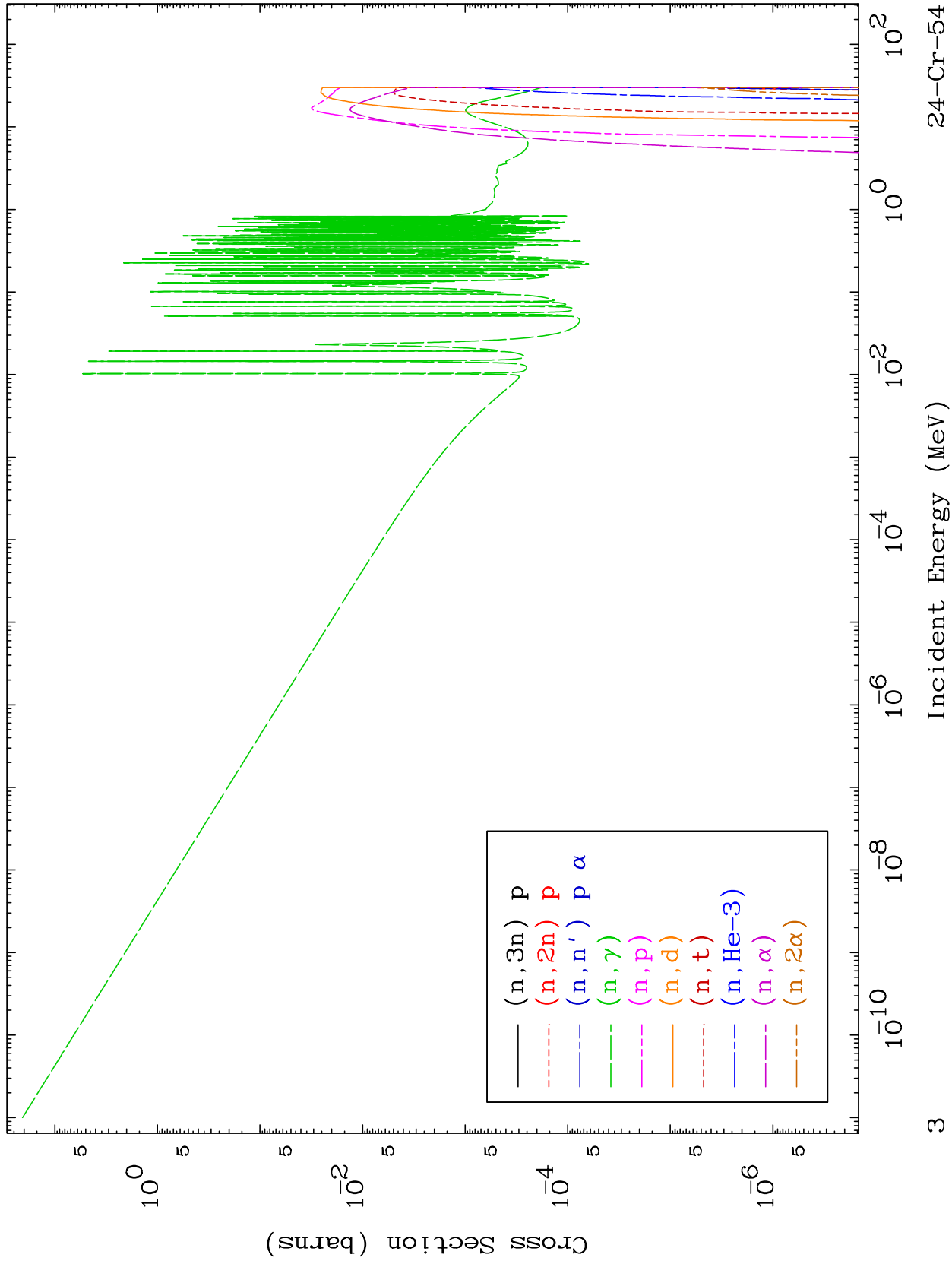
Incident Energy (MeV)

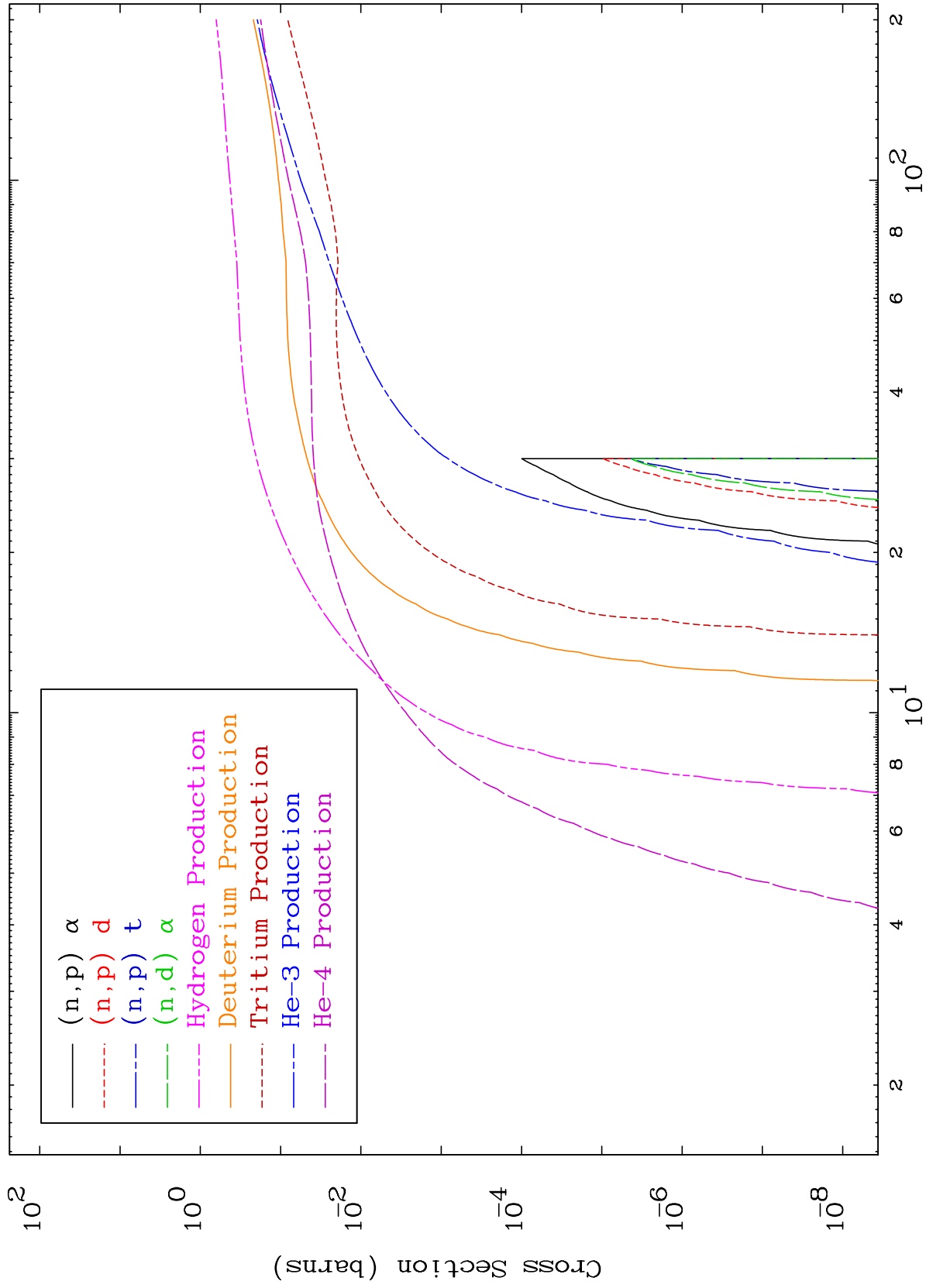
24-Cr-54

MAT 2437

Neutron Absorption
293 Kelvin Cross Sections

24-Cr-54

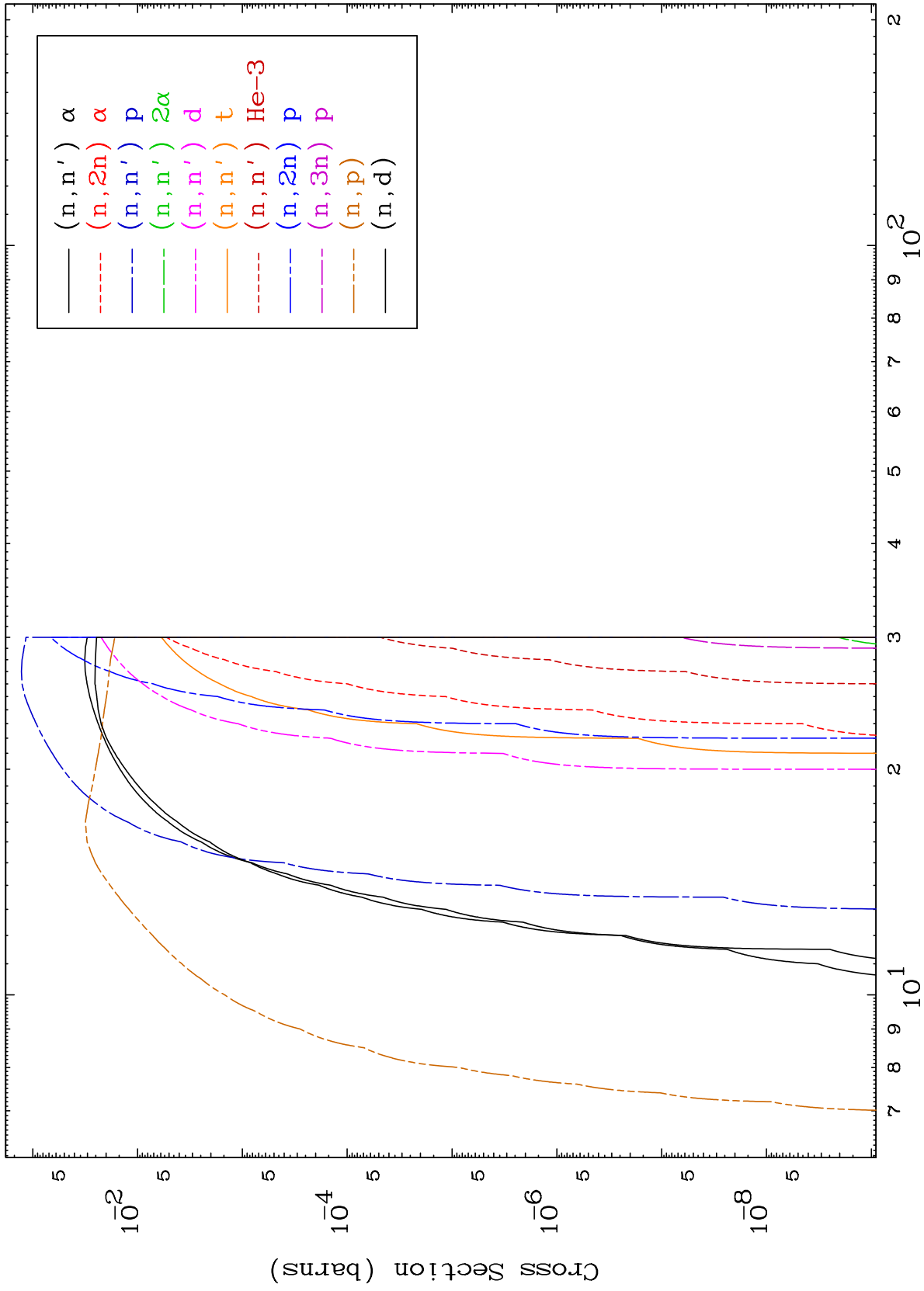




MAT 2437

Charged Particle
293 Kelvin Cross Sections

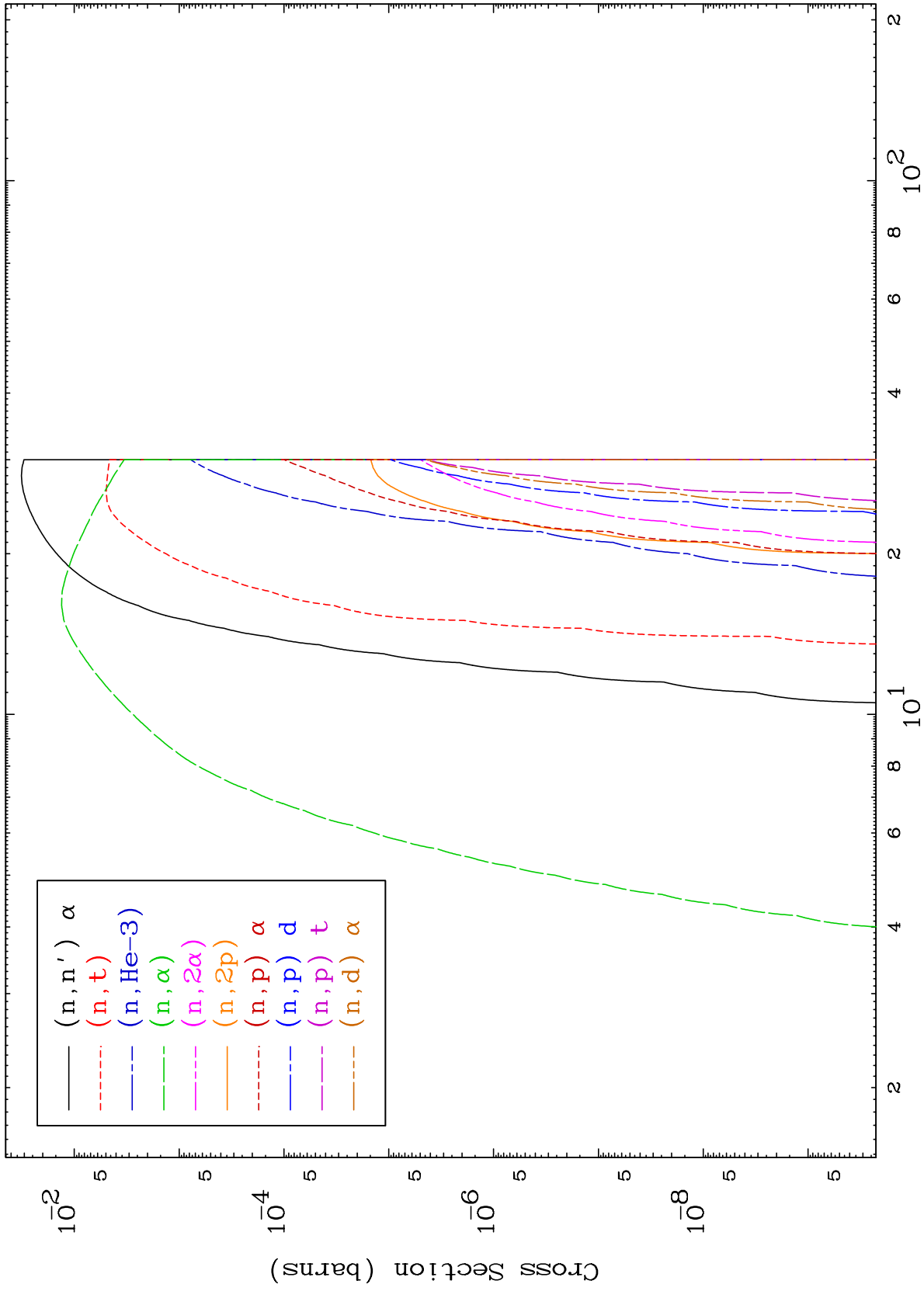
24-Cr-54



5

Incident Energy (MeV)

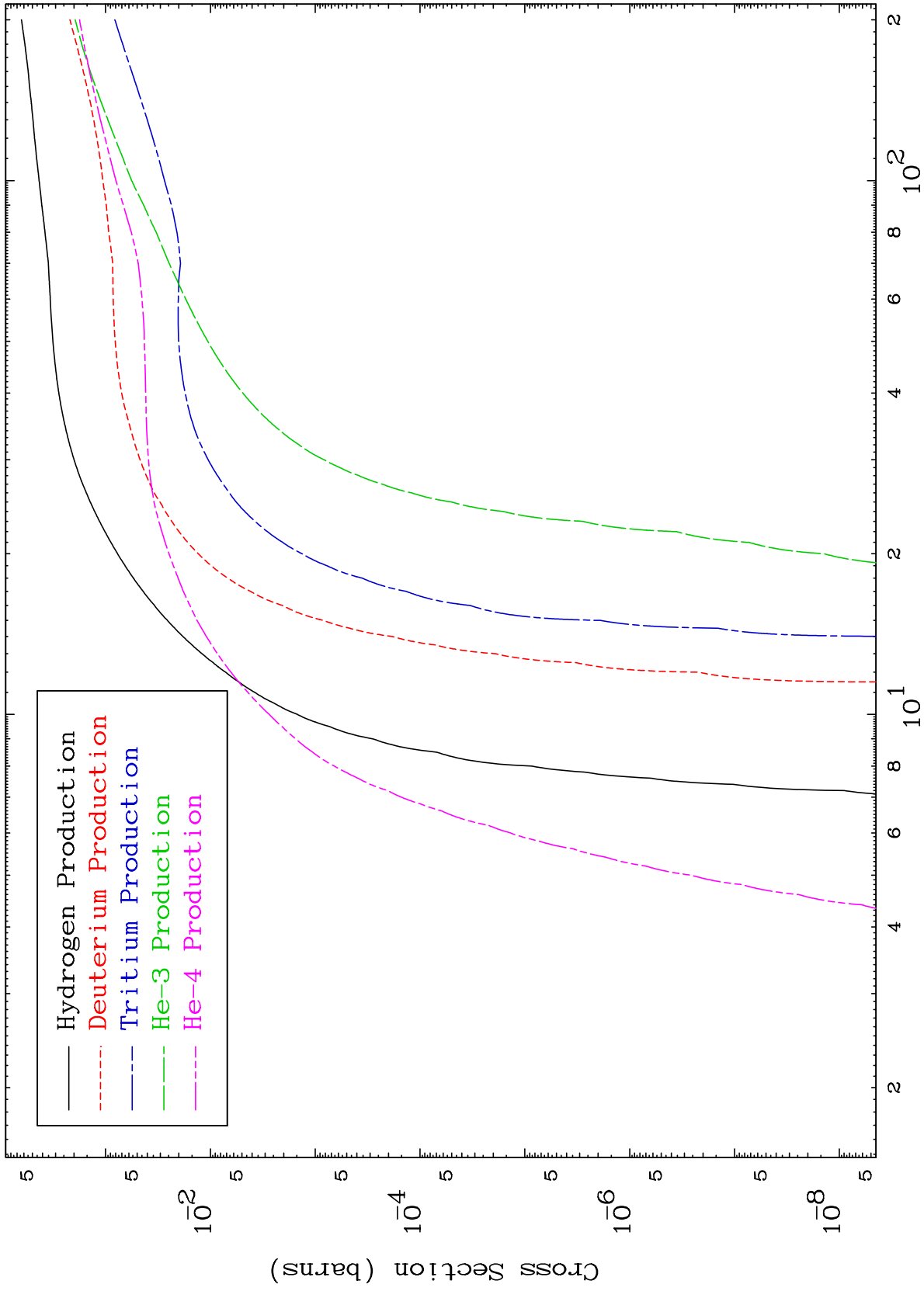
24-Cr-54



MAT 2437

Particle Production
293 Kelvin Cross Sections

24-Cr-54



7

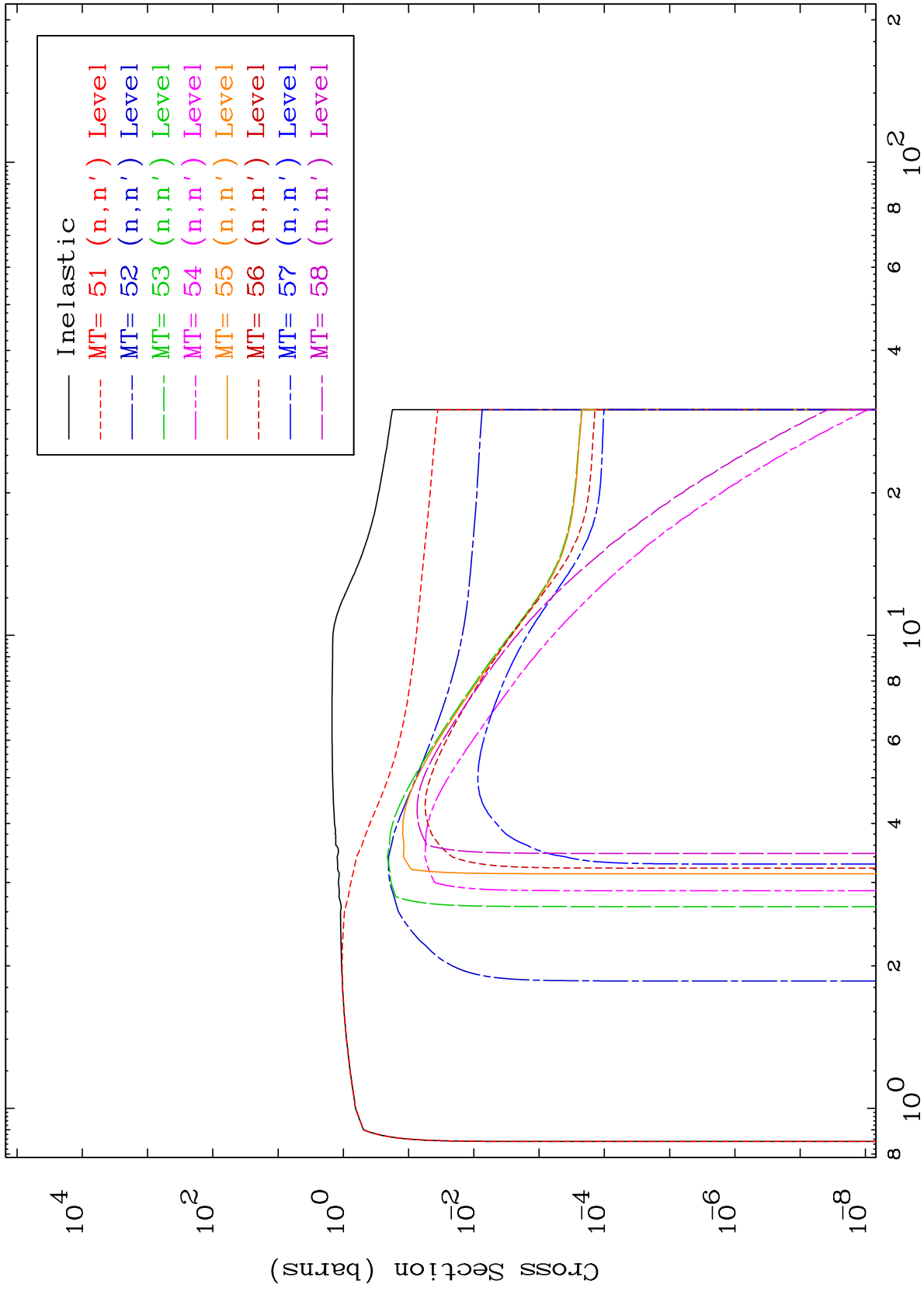
24-Cr-54

MAT 2437

(n,n') Levels

24-Cr-54

293 Kelvin Cross Sections



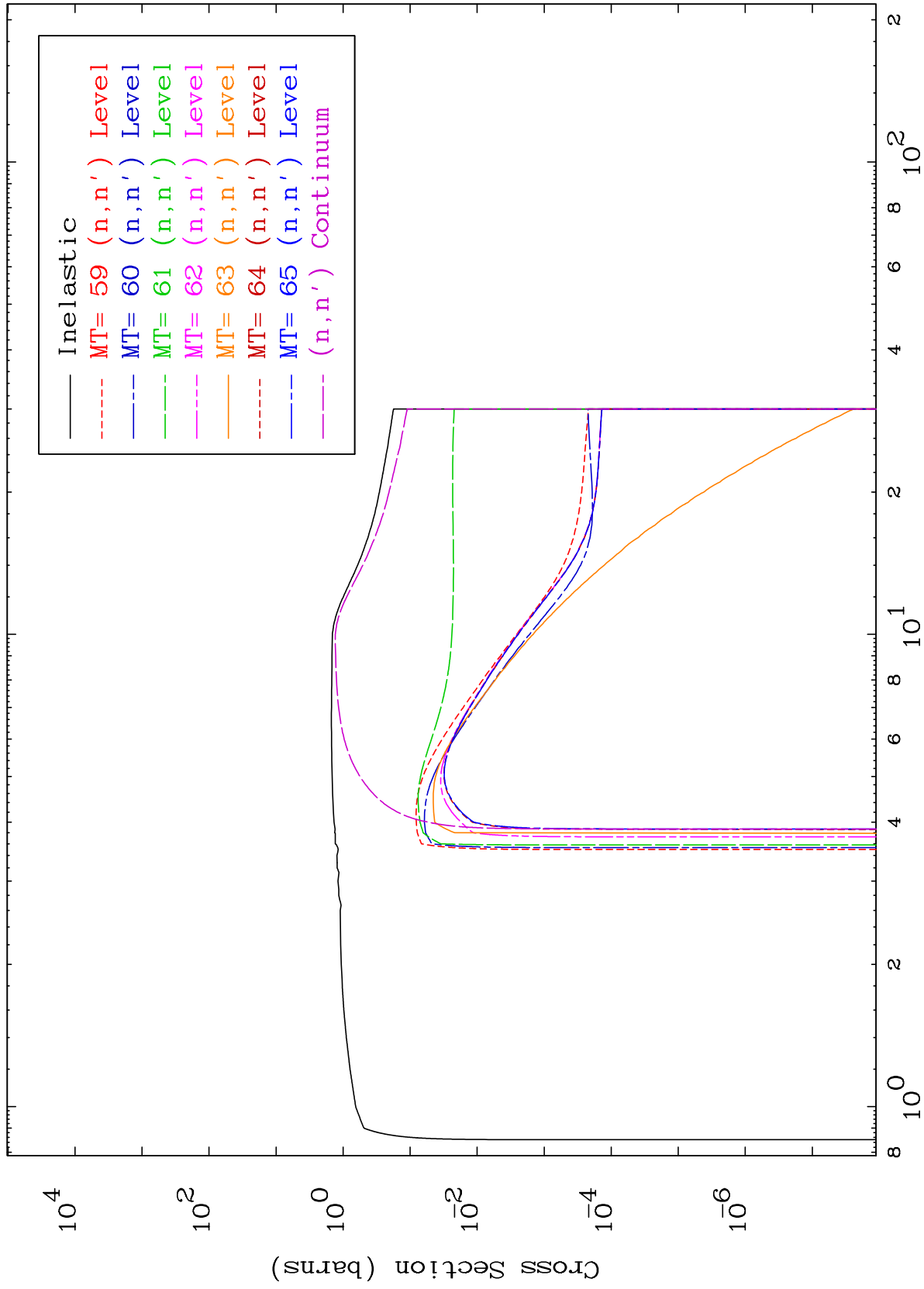
24-Cr-54

MAT 2437

(n,n') Levels

293 Kelvin Cross Sections

24-Cr-54



9

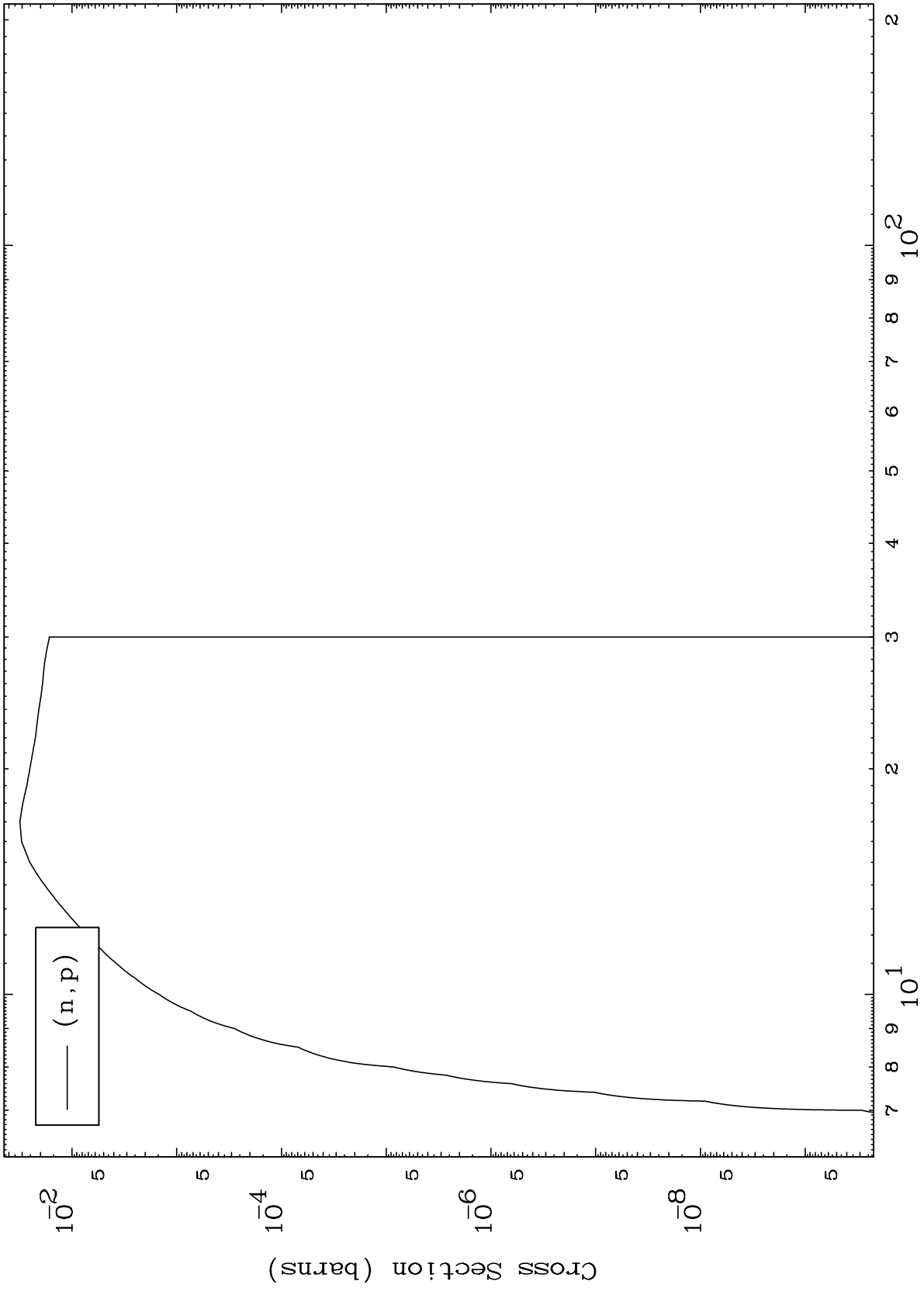
Incident Energy (MeV)

24-Cr-54

MAT 2437

(n,p) Levels
293 Kelvin Cross Sections

24-Cr-54



10

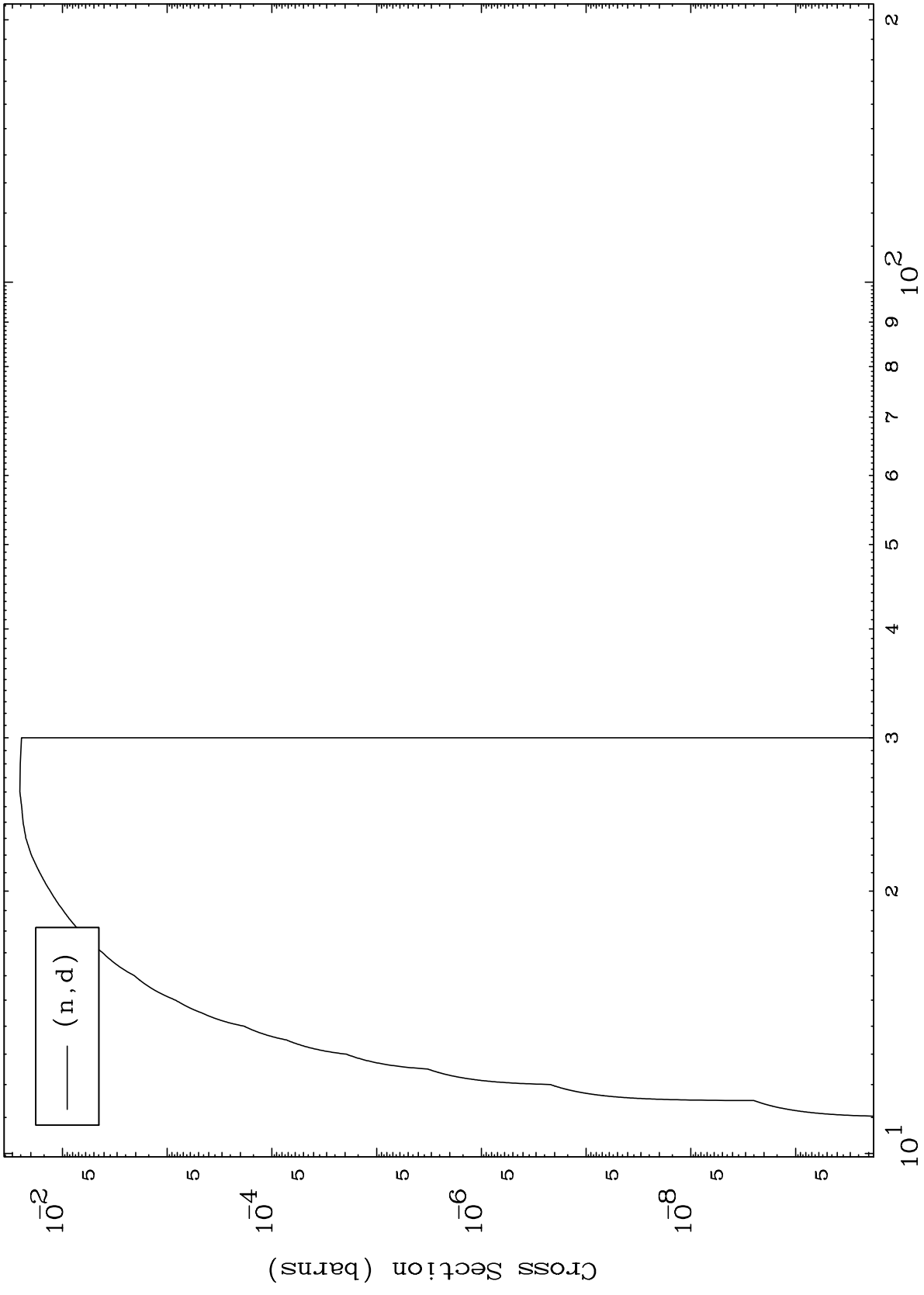
Incident Energy (MeV)

24-Cr-54

MAT 2437

(n,d) Levels
293 Kelvin Cross Sections

24-Cr-54



11

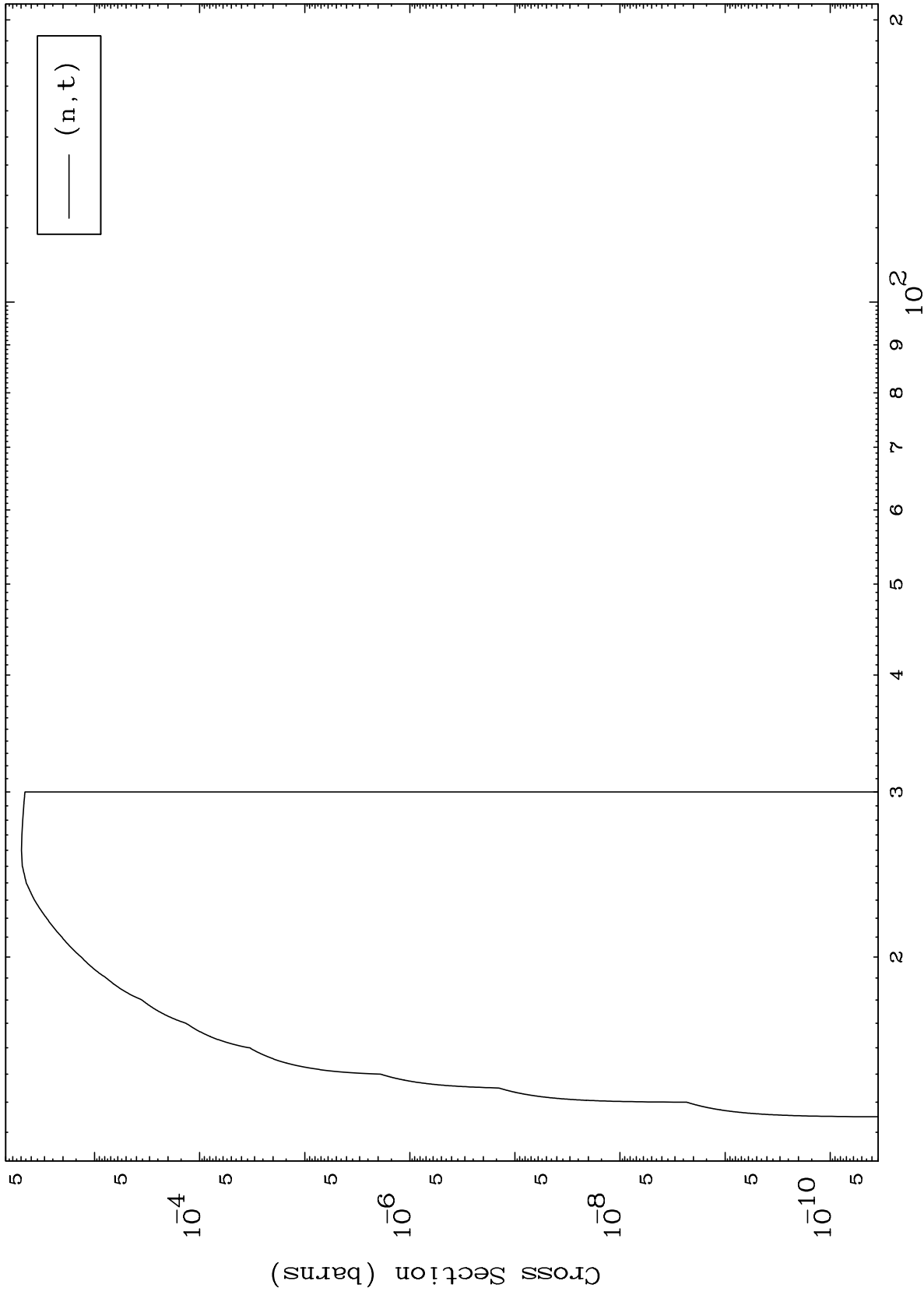
Incident Energy (MeV)

24-Cr-54

MAT 2437

(n,t) Levels
293 Kelvin Cross Sections

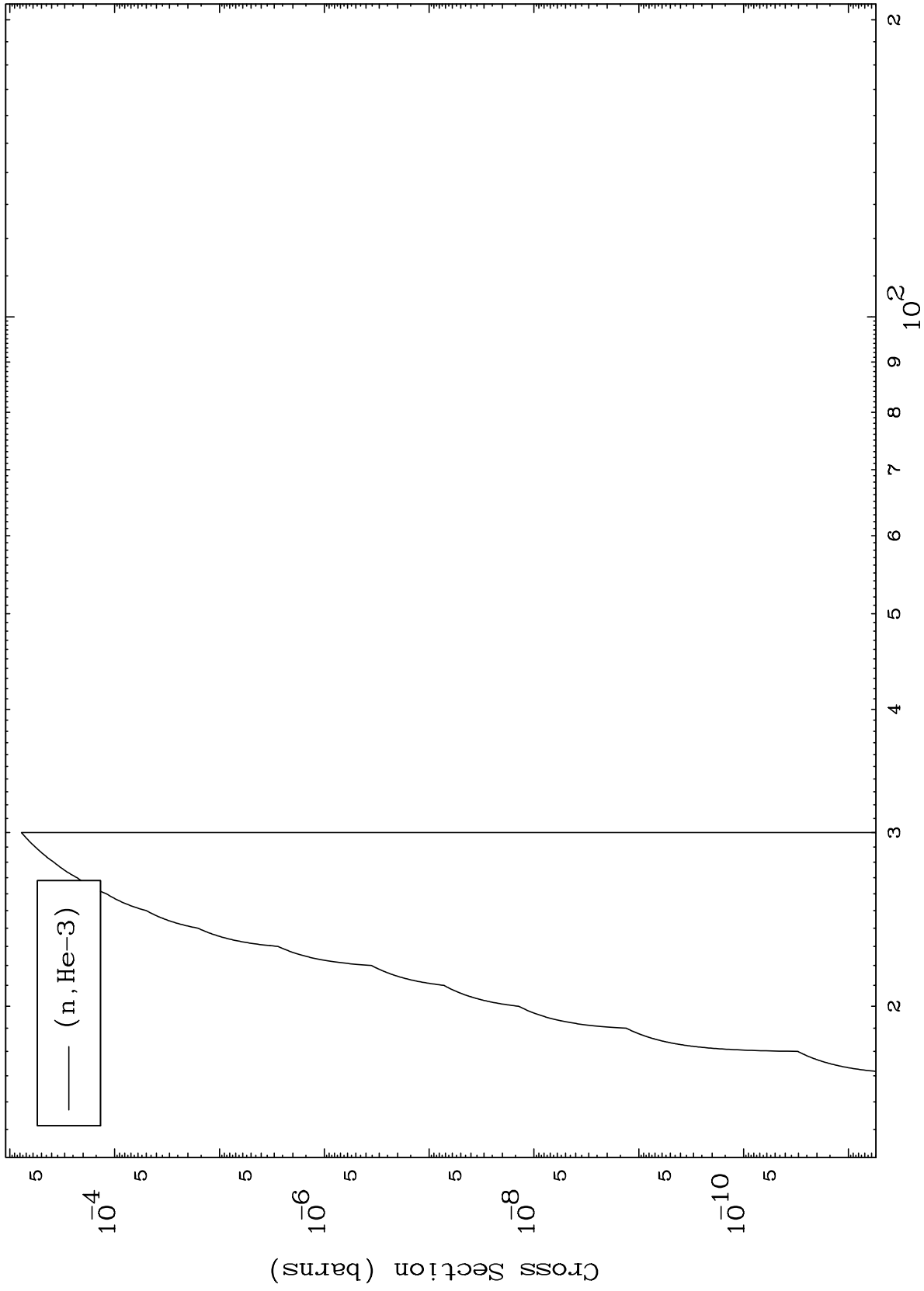
24-Cr-54



12

Incident Energy (MeV)

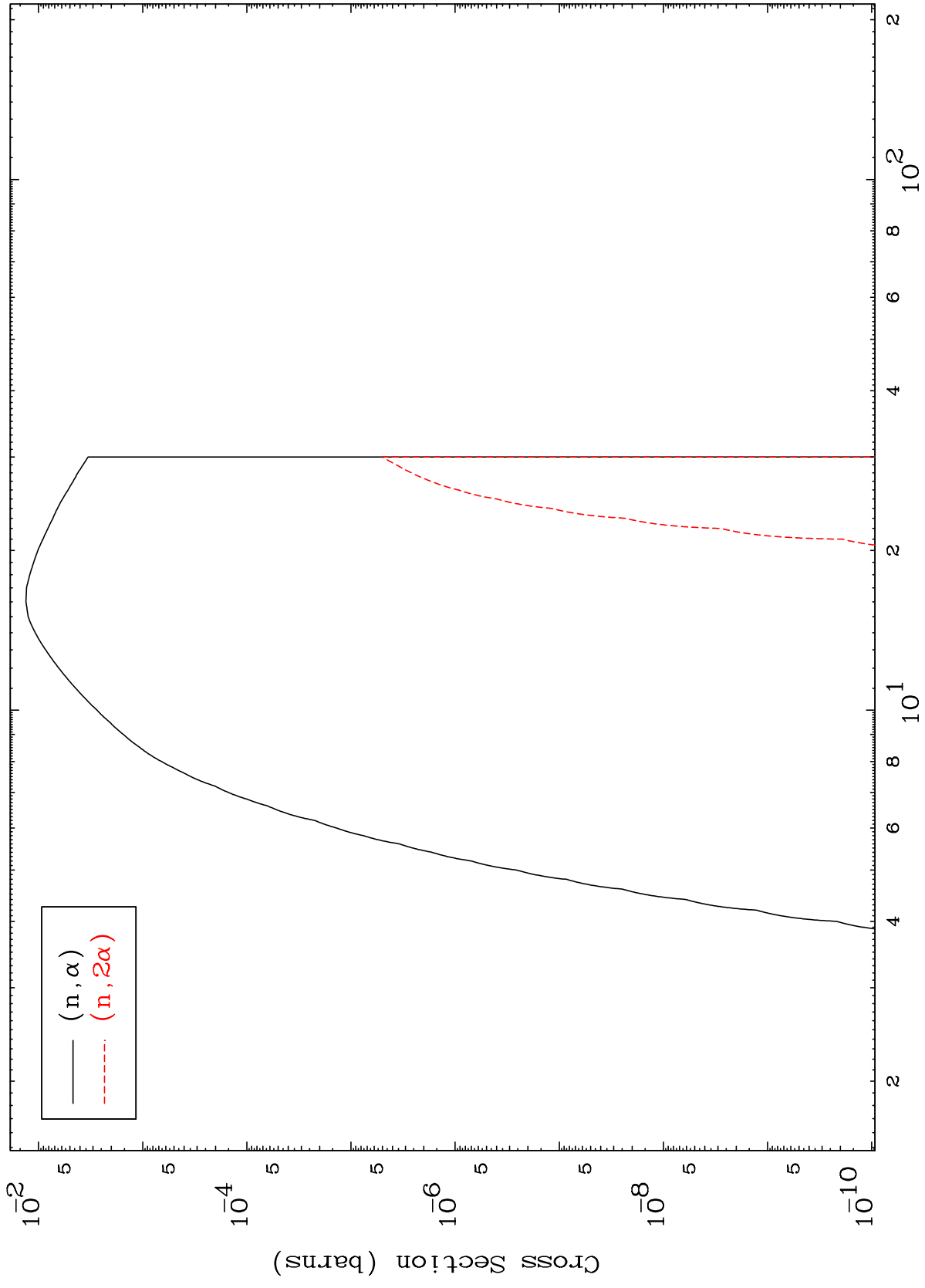
24-Cr-54



MAT 2437

(n,α) Levels
293 Kelvin Cross Sections

24-Cr-54



— (n, α)
- - - (n, 2α)

14

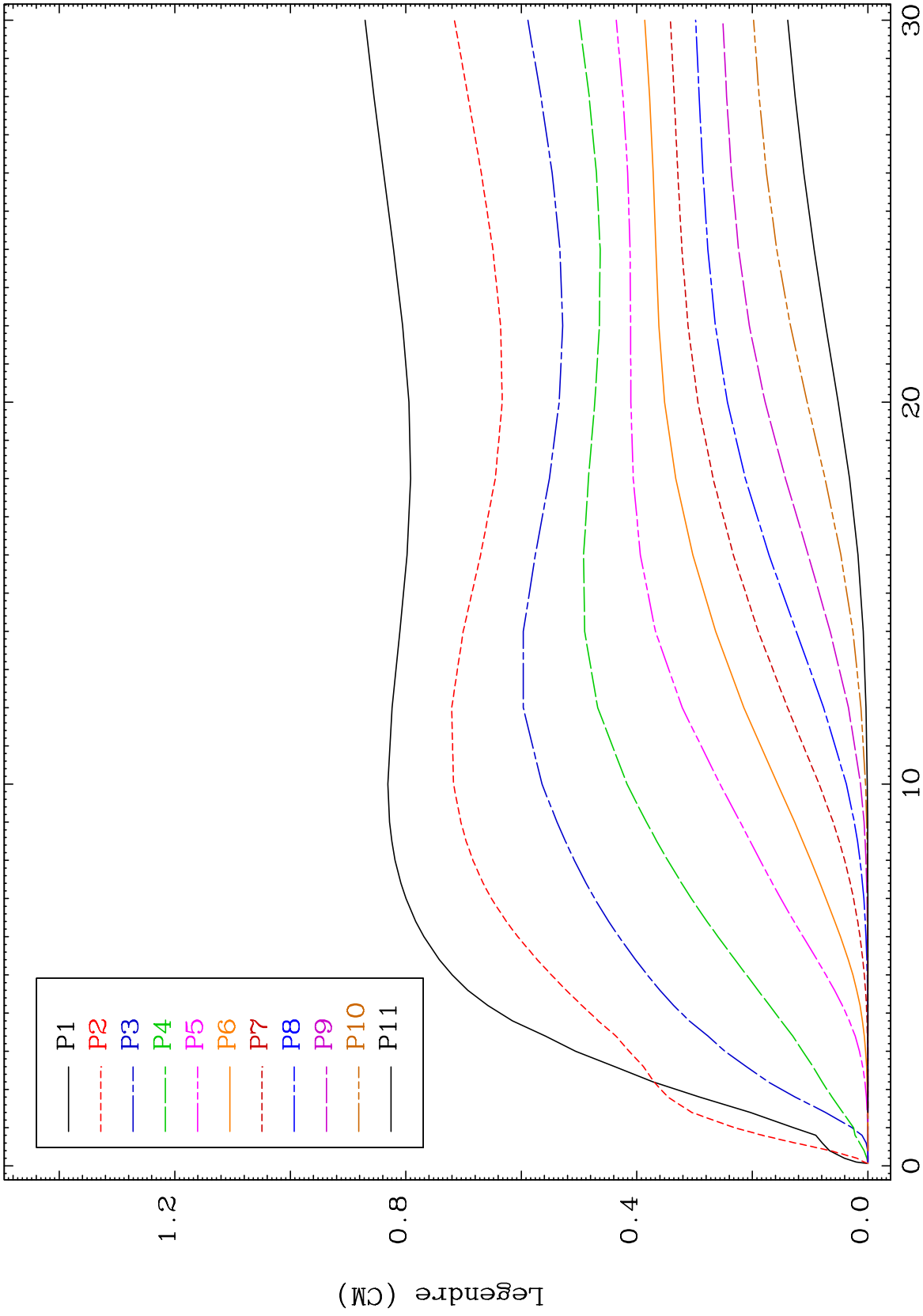
Incident Energy (MeV)

24-Cr-54

MAT 2437

Elastic Legendre Coefficients

24-Cr-54



15

Incident Energy (MeV)

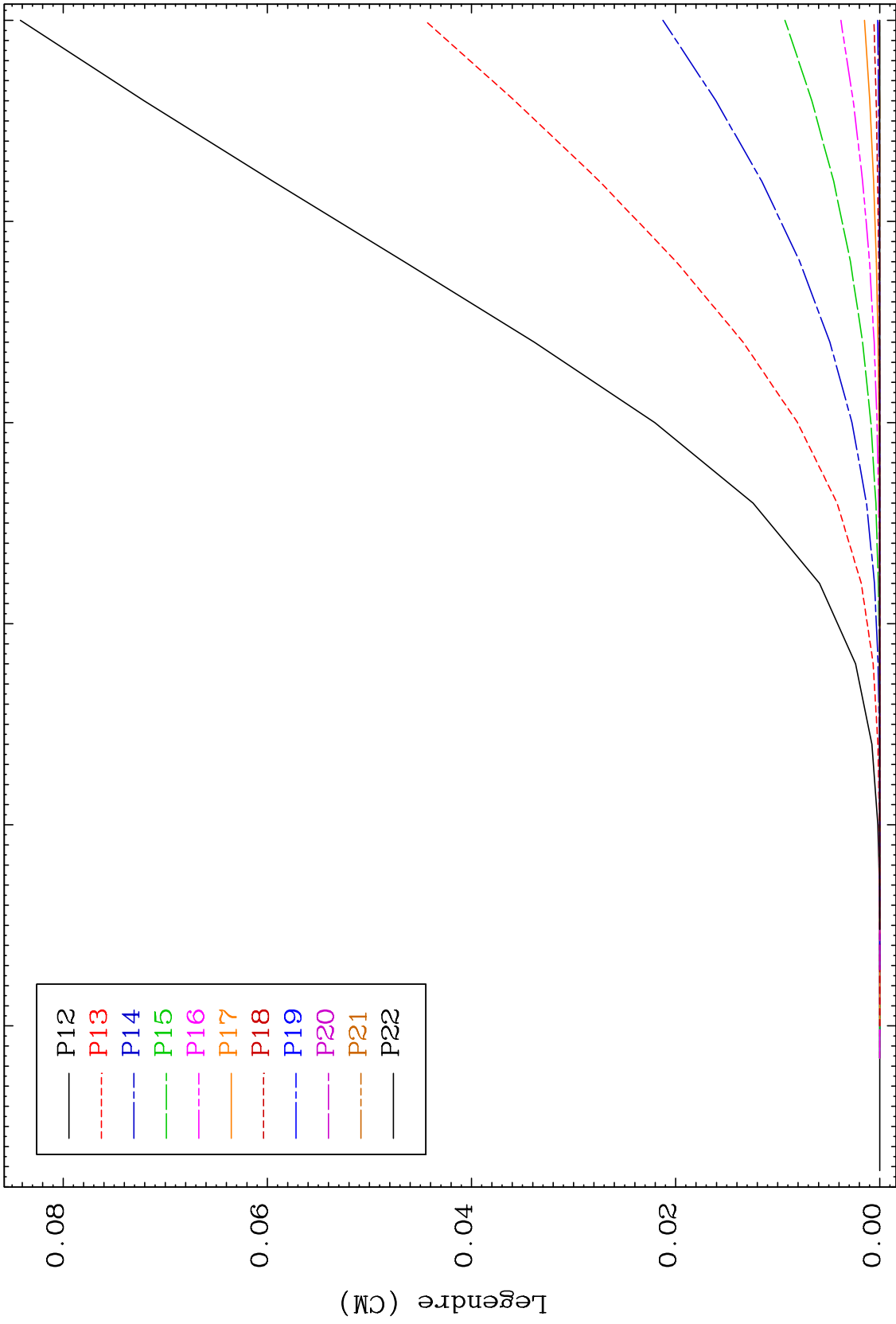
24-Cr-54

30

MAT 2437

Elastic Legendre Coefficients

24-Cr-54



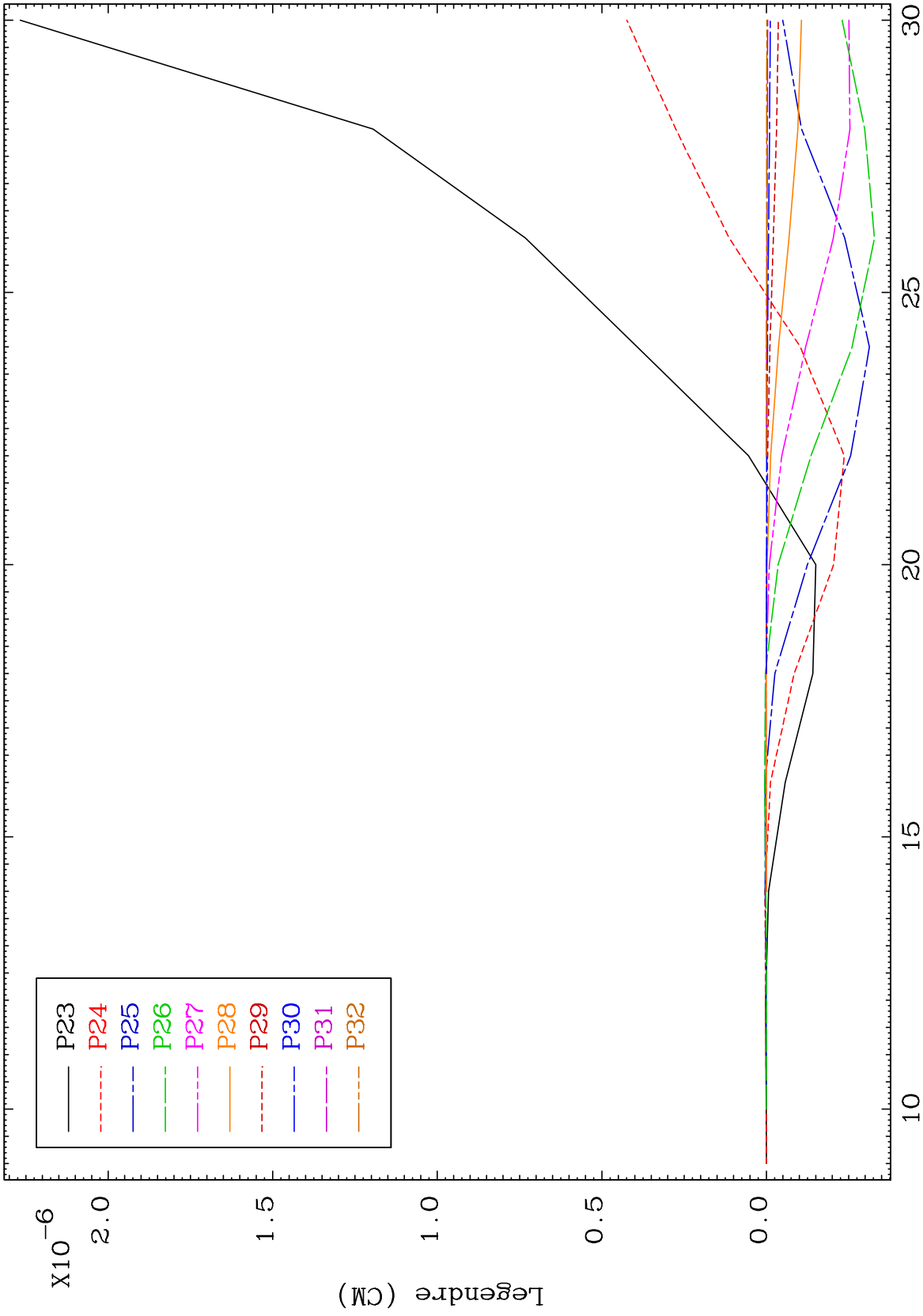
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24-Cr-54

MAT 2437

Elastic Legendre Coefficients

24-Cr-54



17

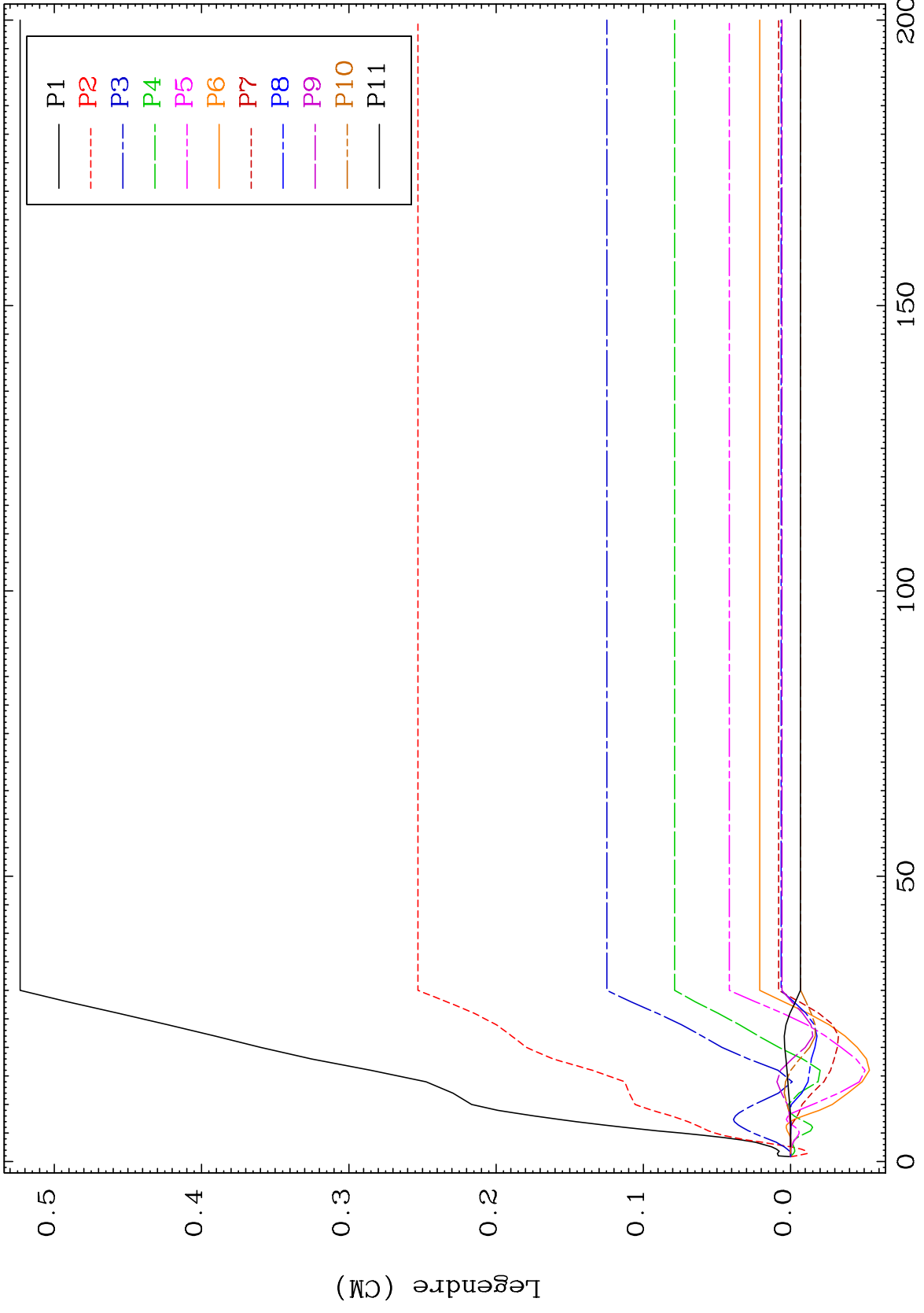
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



18

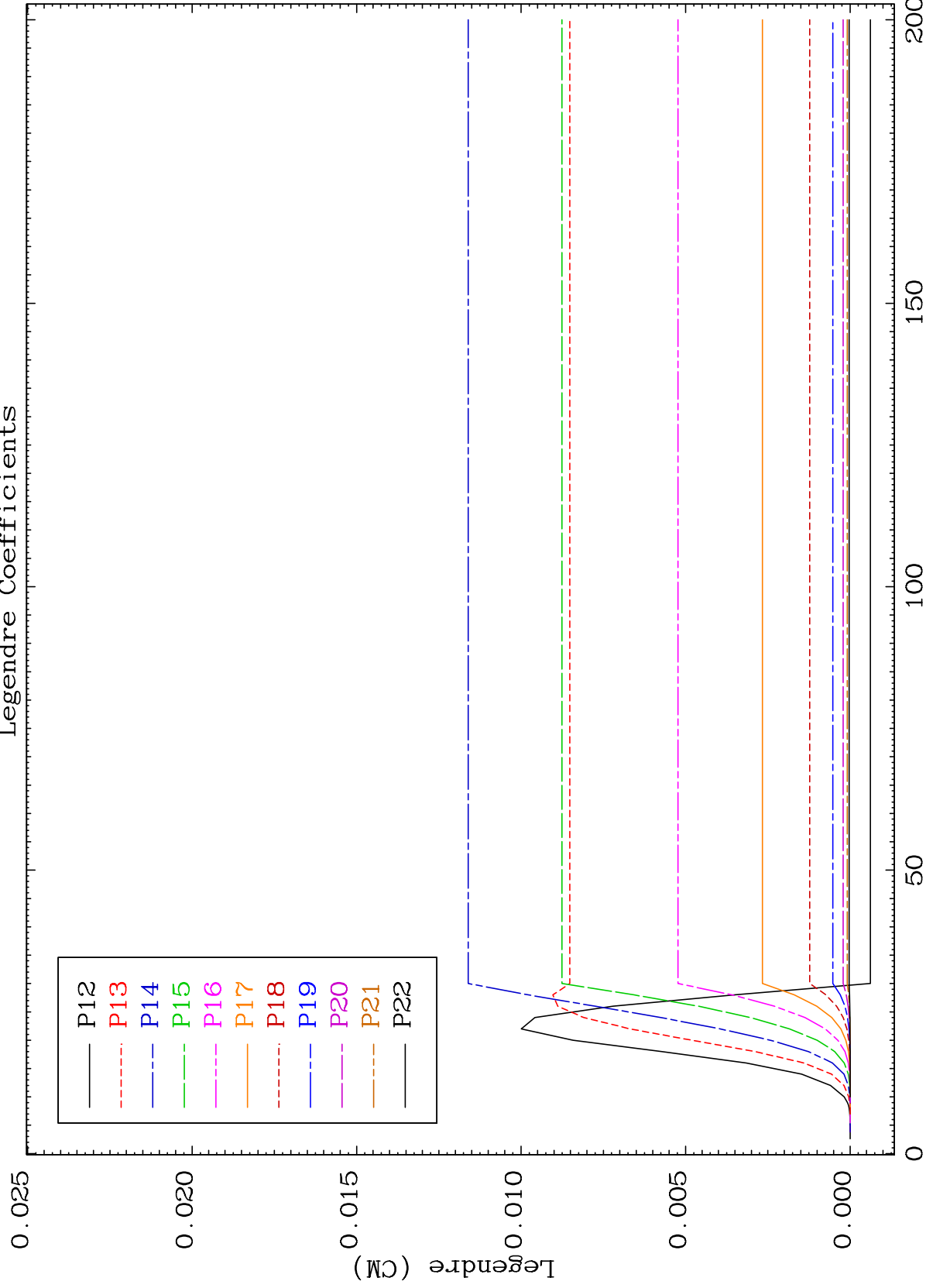
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

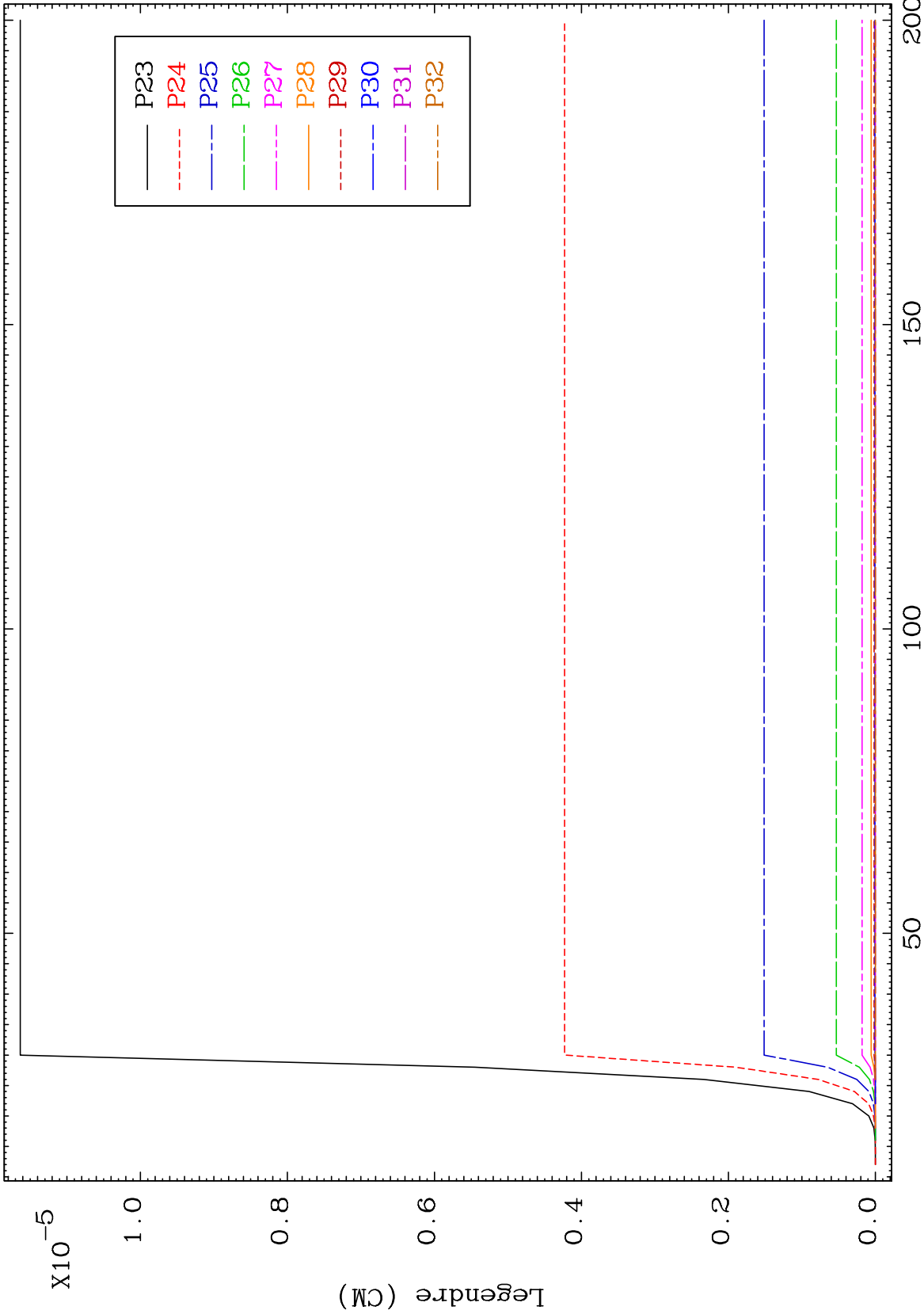
24-Cr-54



MAT 2437

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

24-Cr-54



20

50

100

150

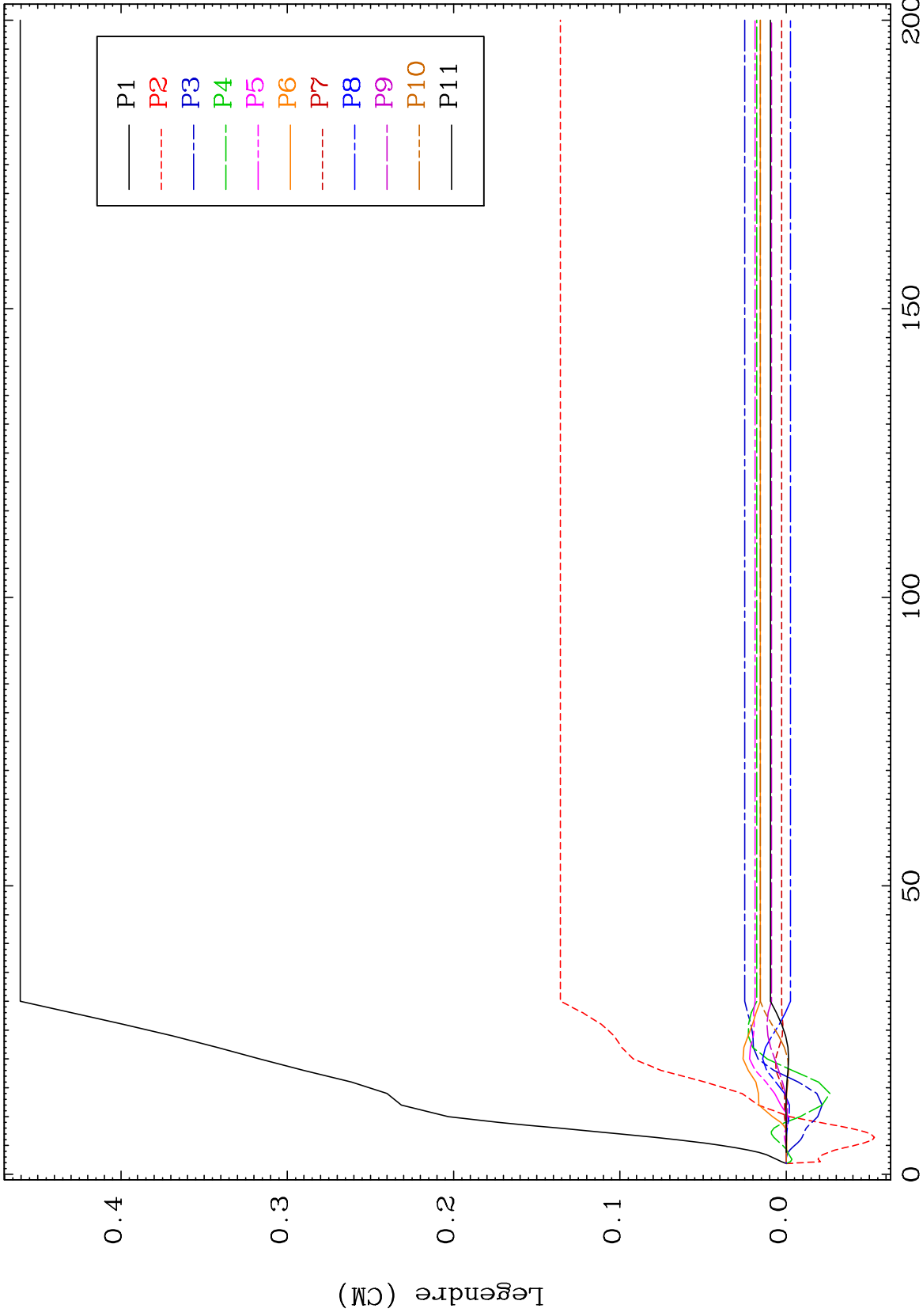
200

24-Cr-54

MAT 2437

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

24-Cr-54



21

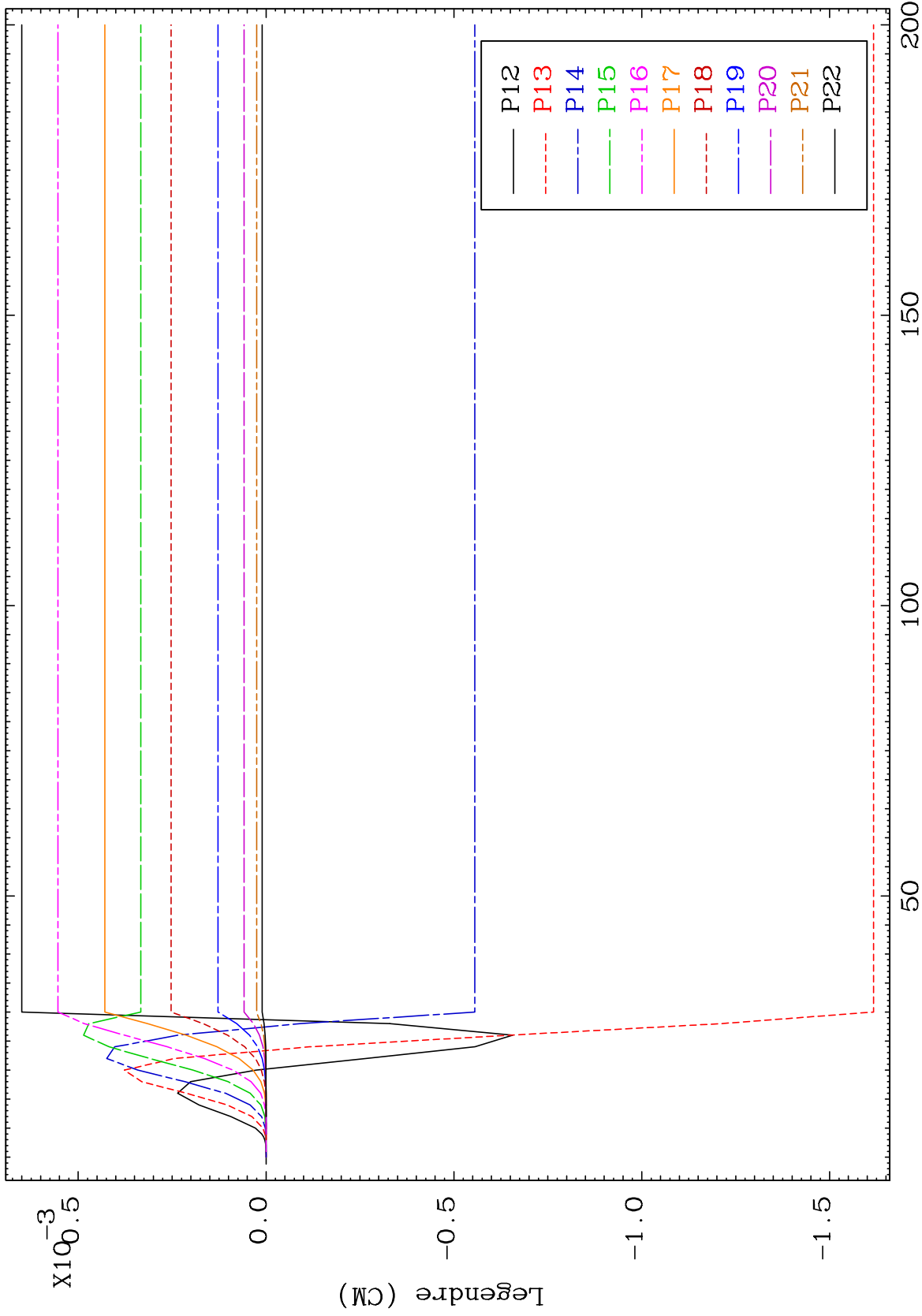
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



22

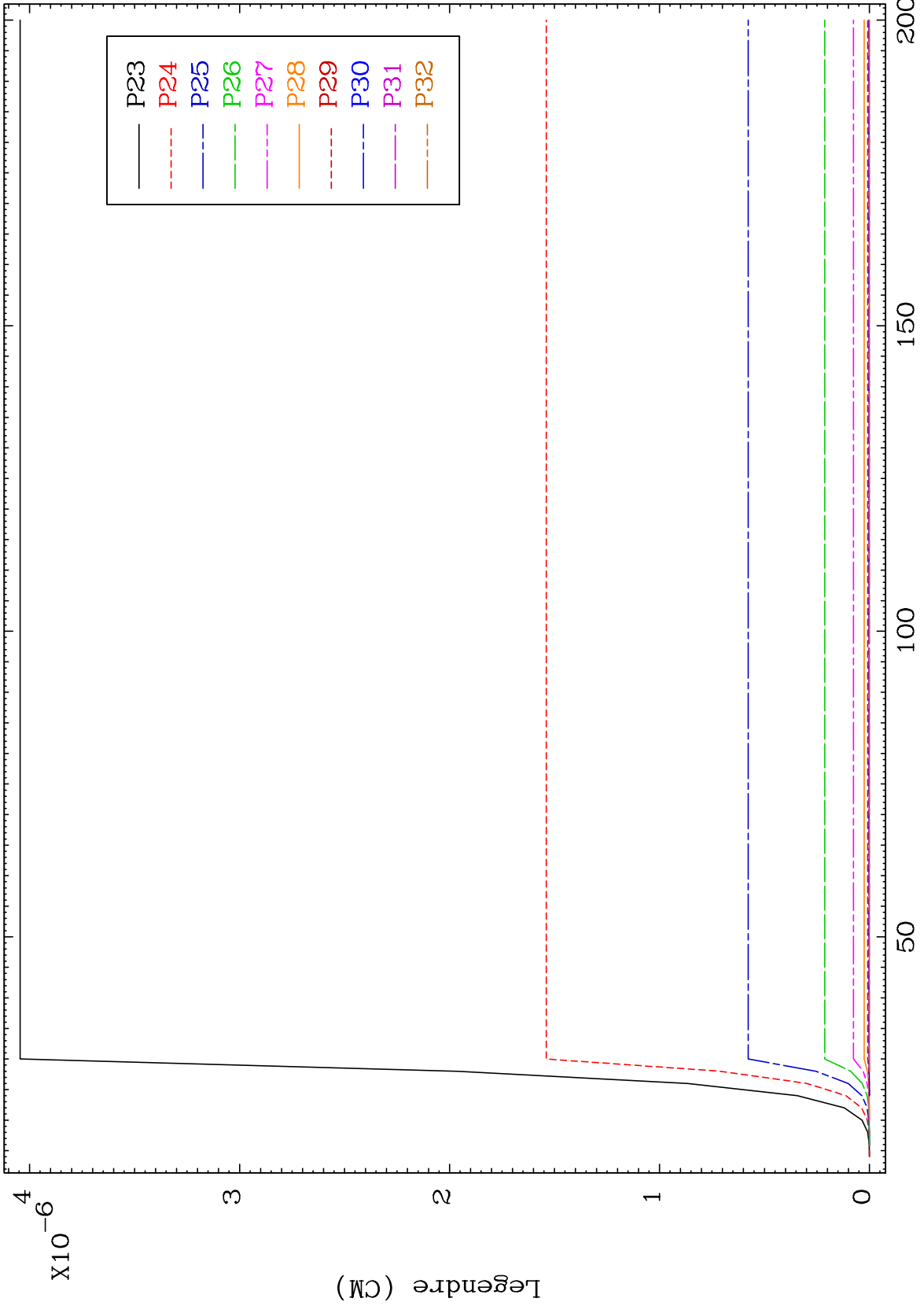
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



23

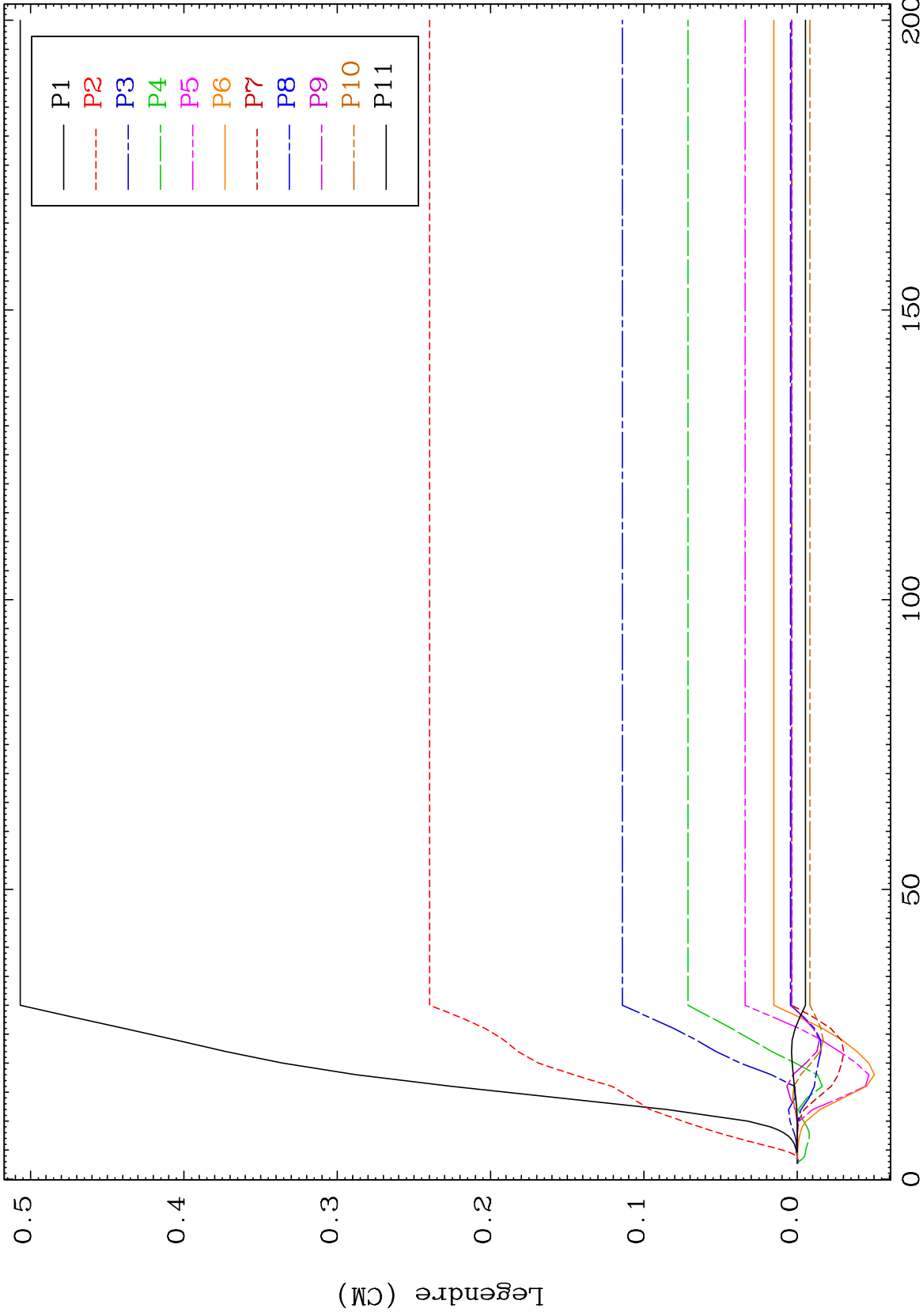
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



24

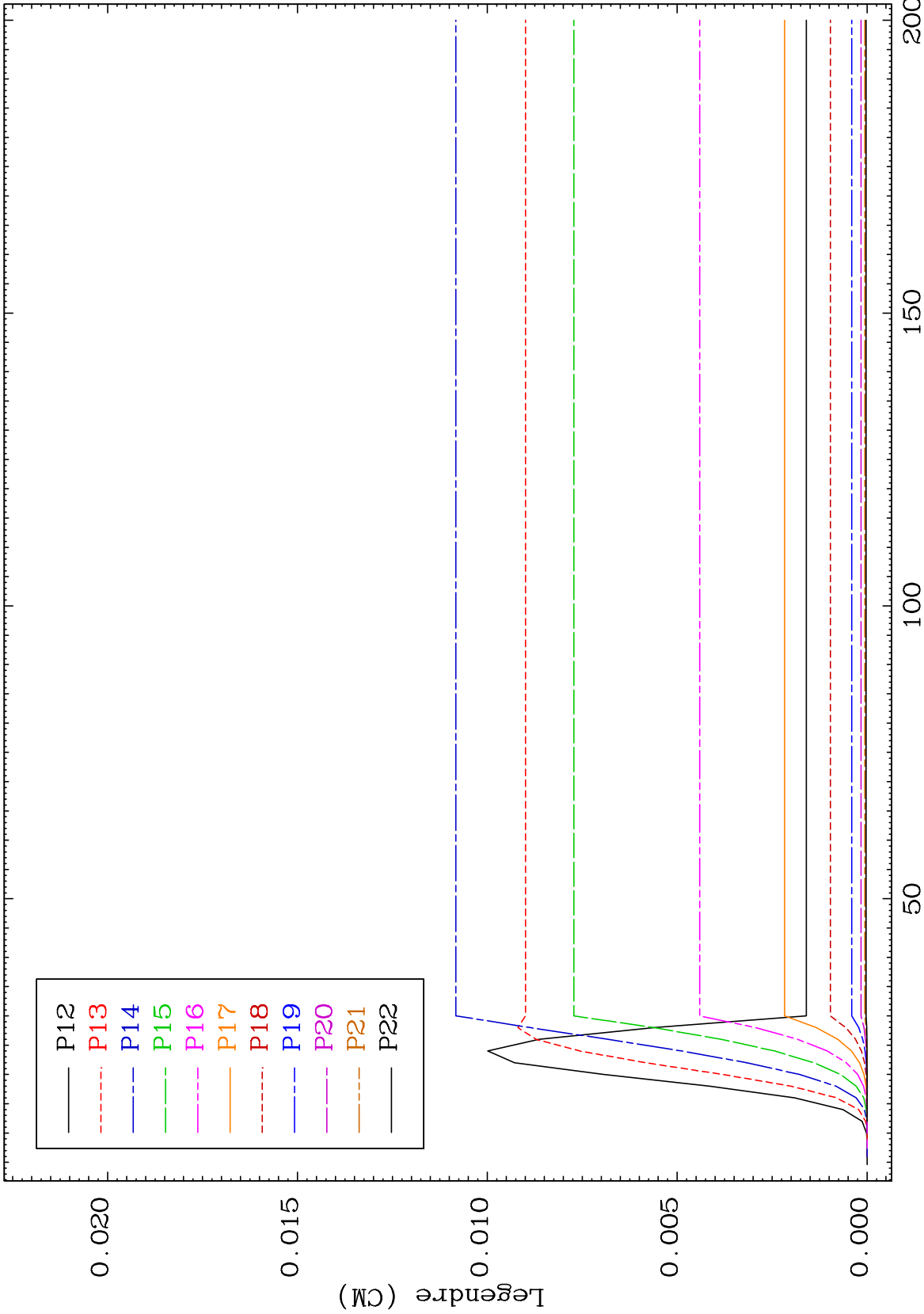
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



25

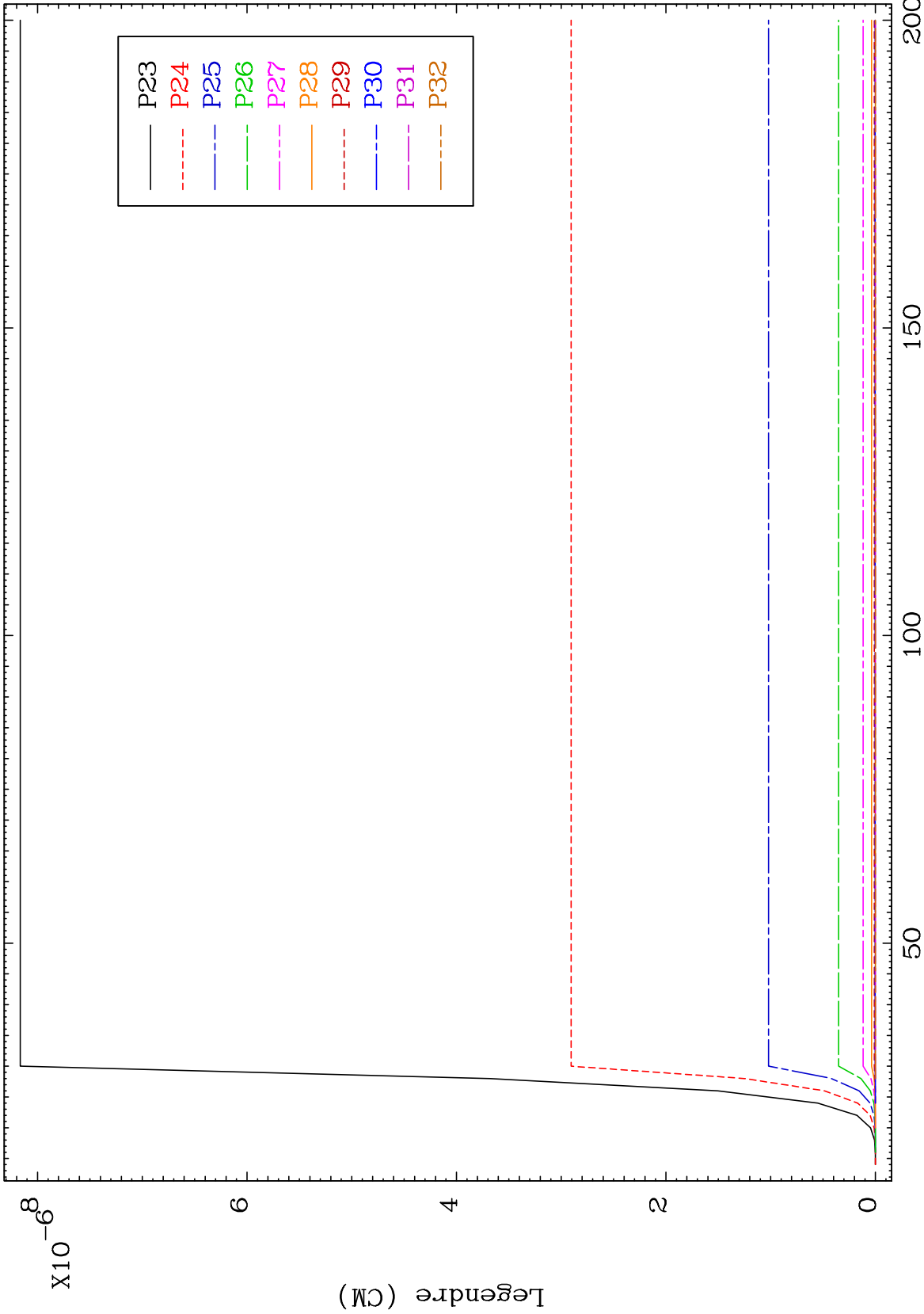
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54

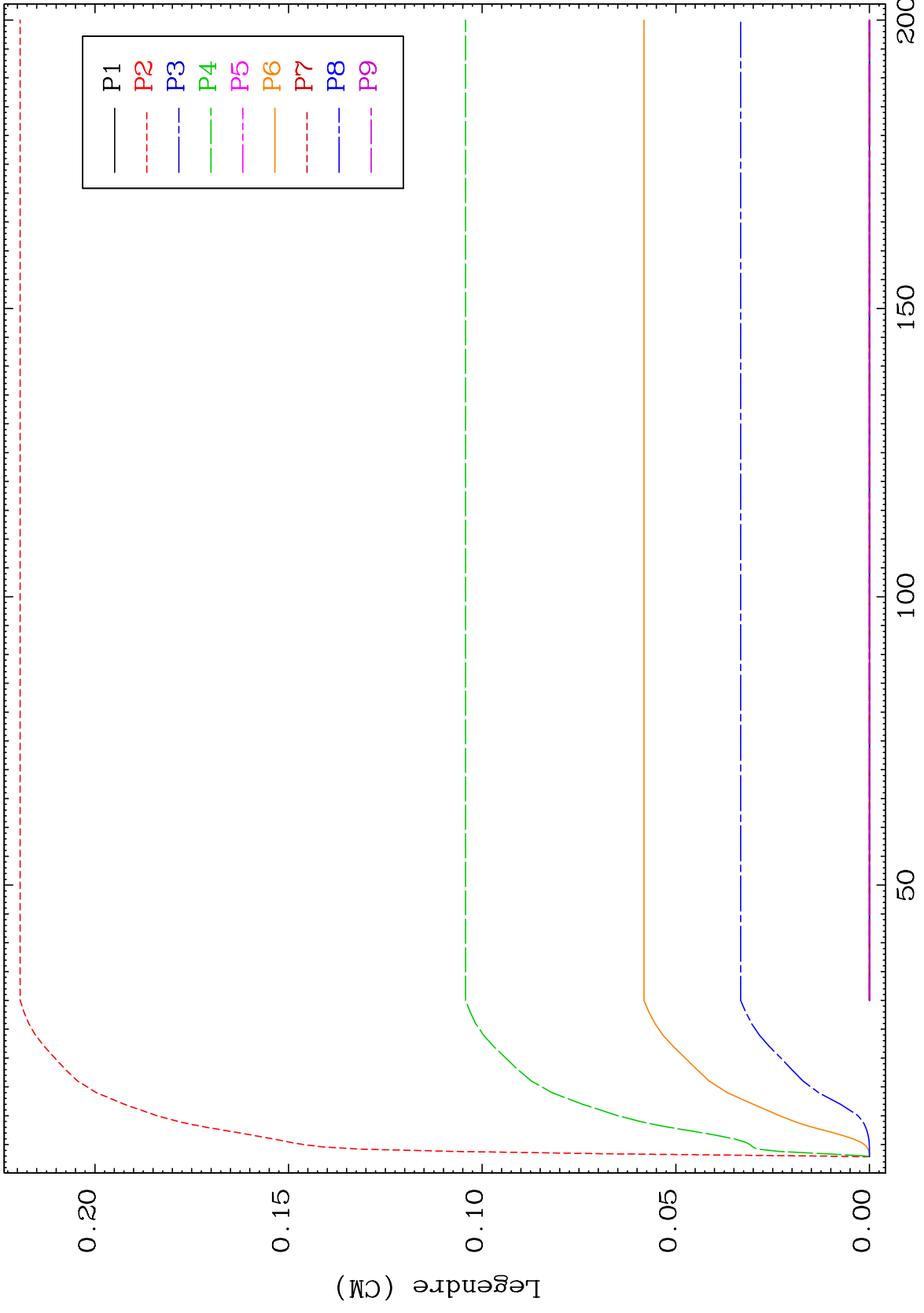


26

Incident Energy (MeV)

24-Cr-54

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

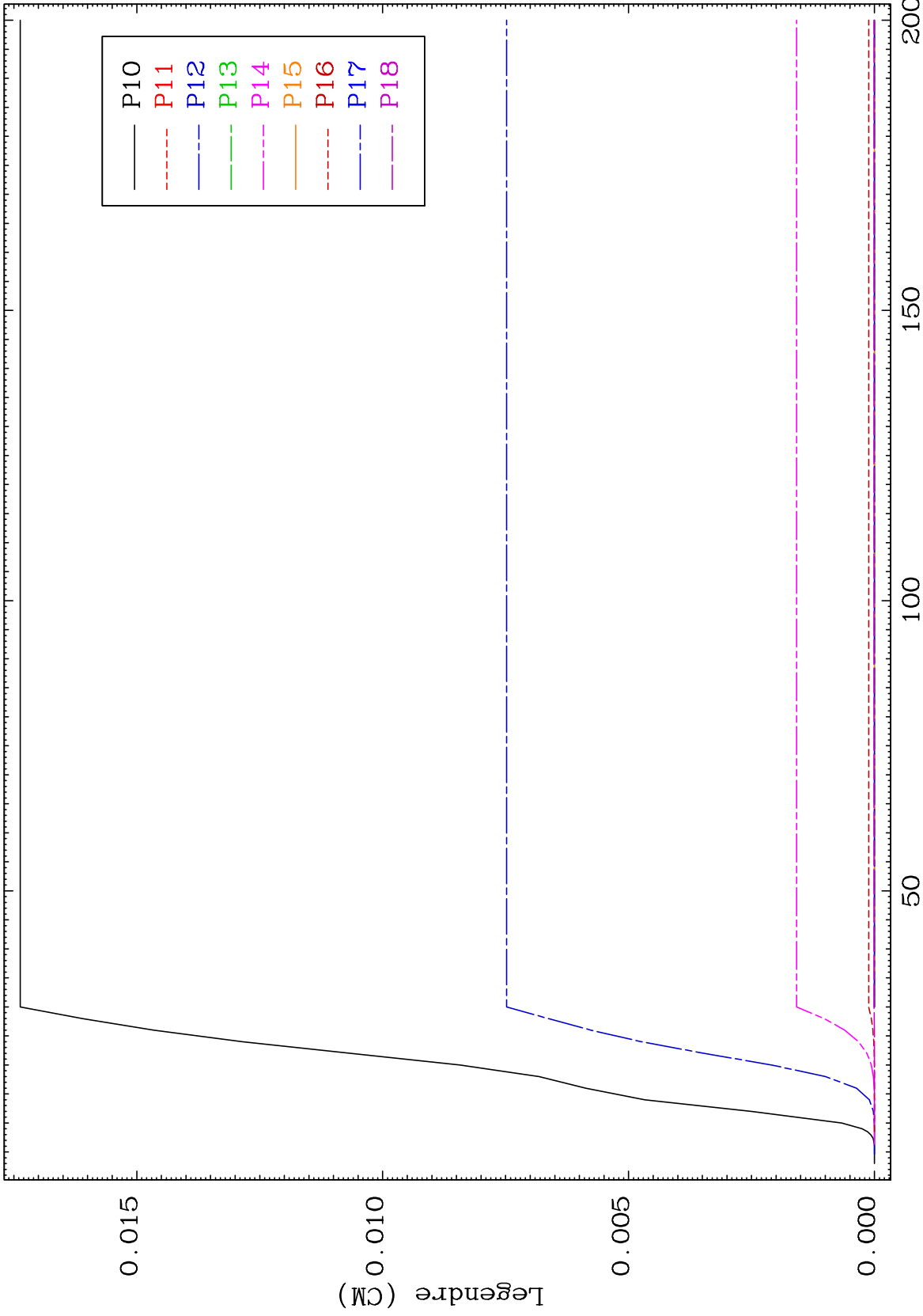


27 50 100 150 200 24-Cr-54

MAT 2437

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

24-Cr-54

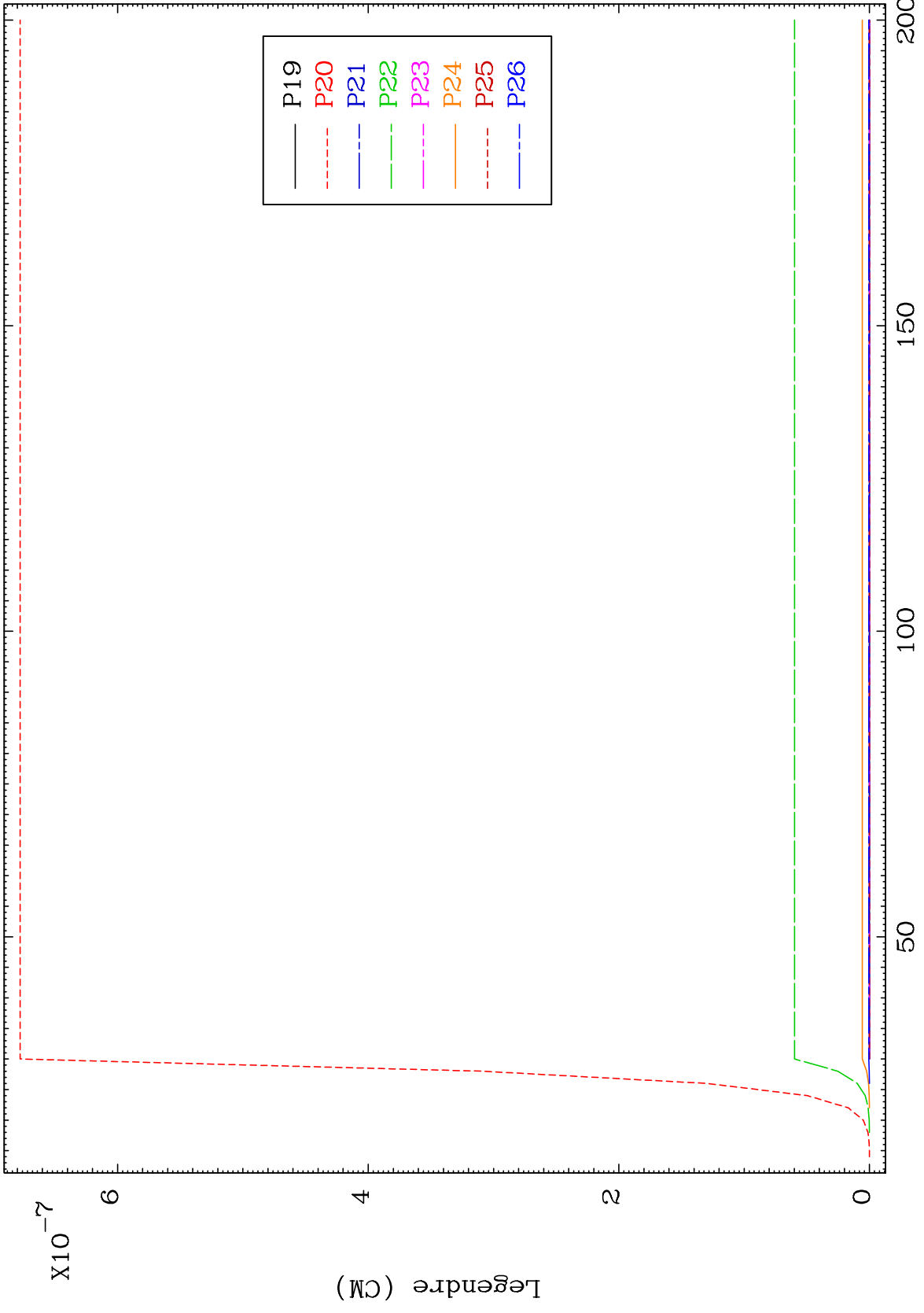


28

Incident Energy (MeV)

24-Cr-54

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

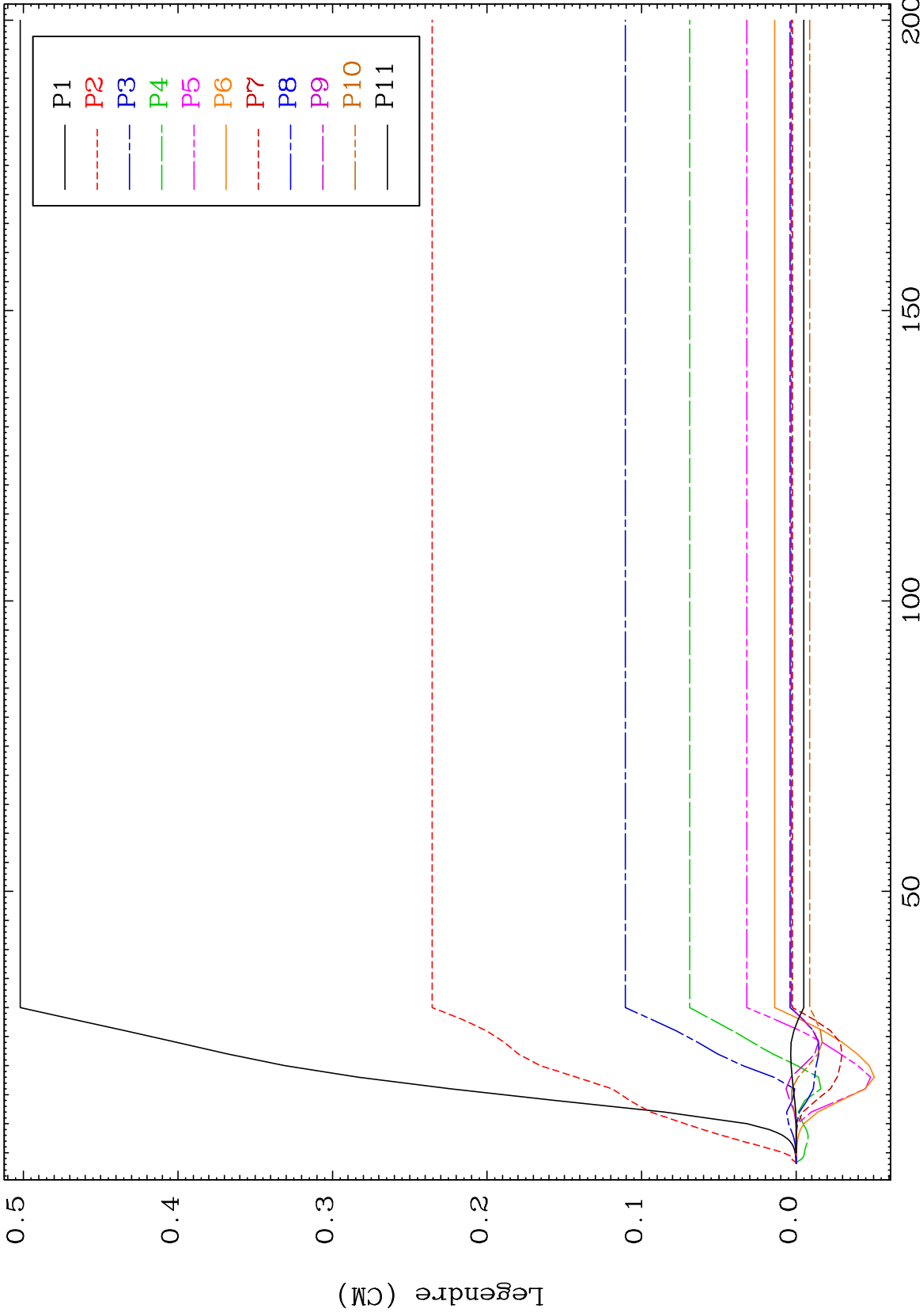


29 Incident Energy (MeV) 200 24-Cr-54

MAT 2437

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

24-Cr-54



30

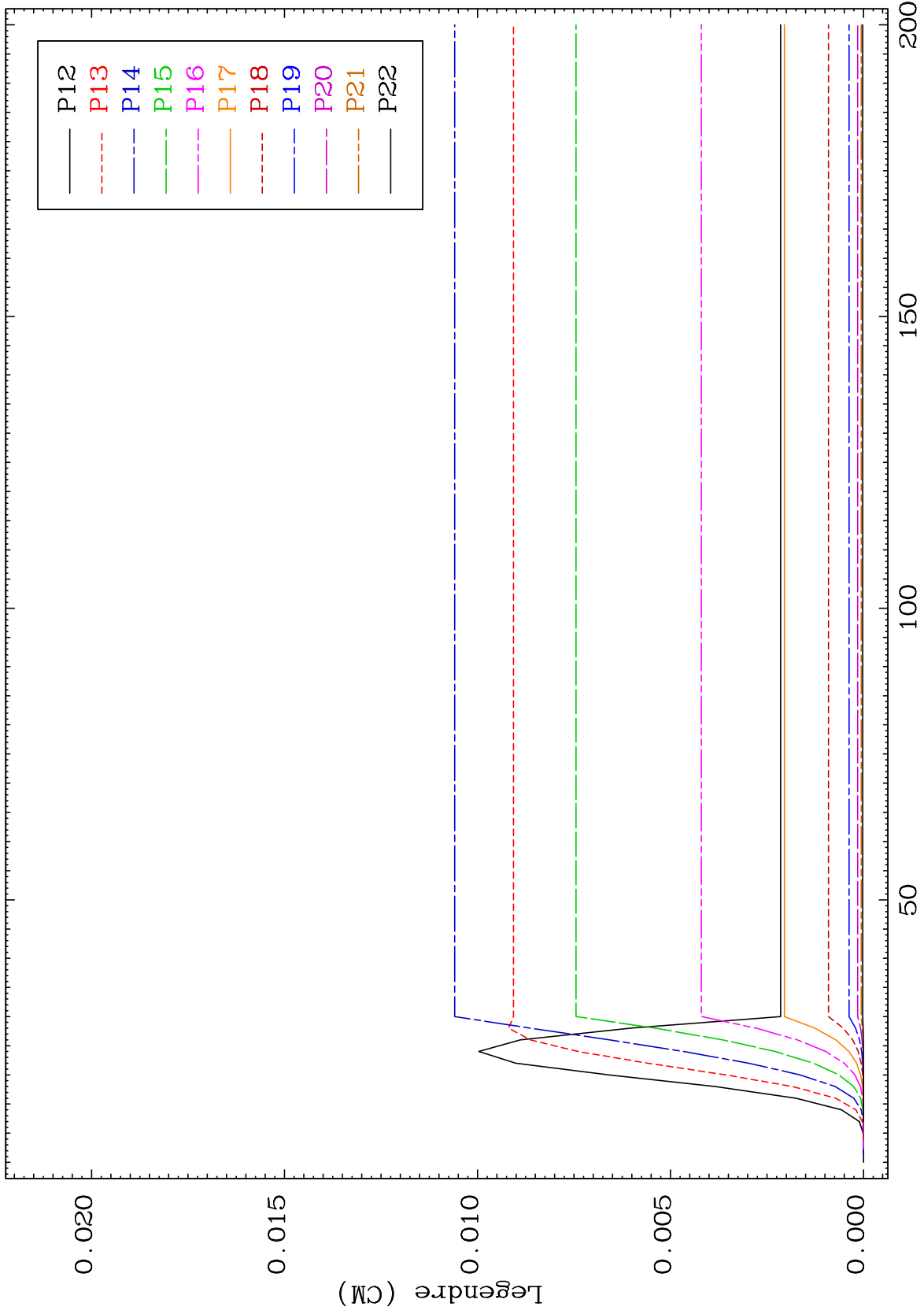
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



31

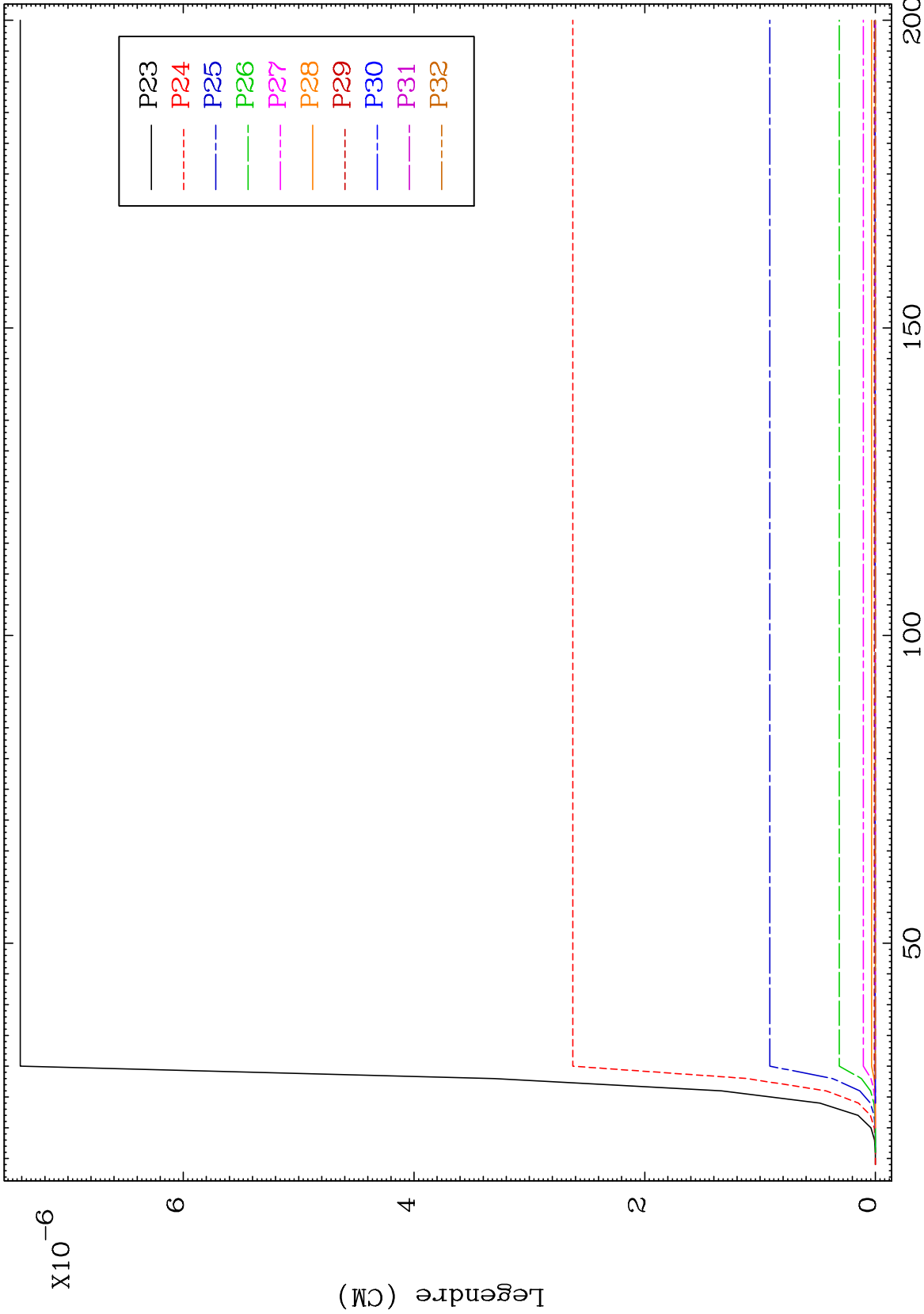
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



32

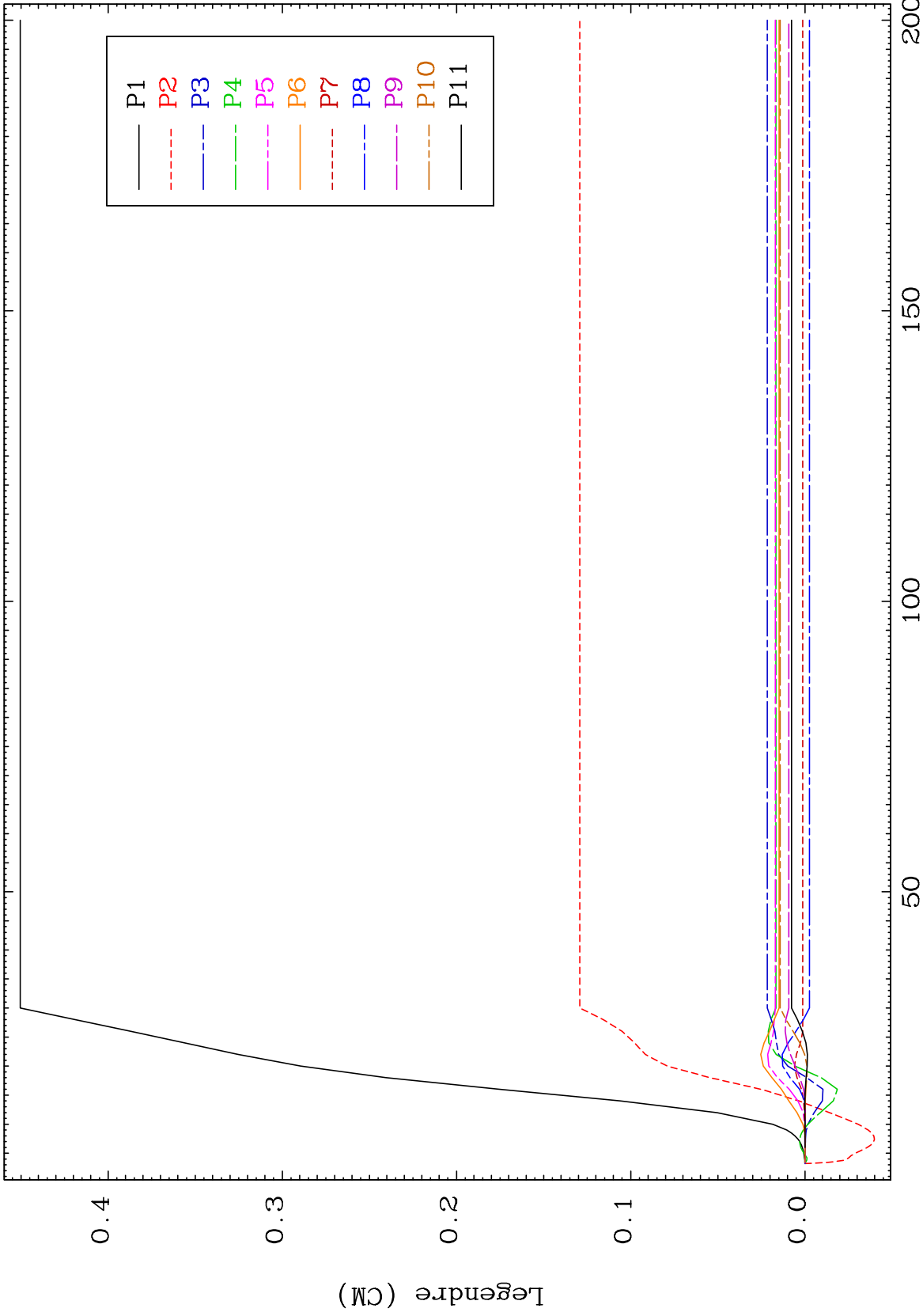
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



33

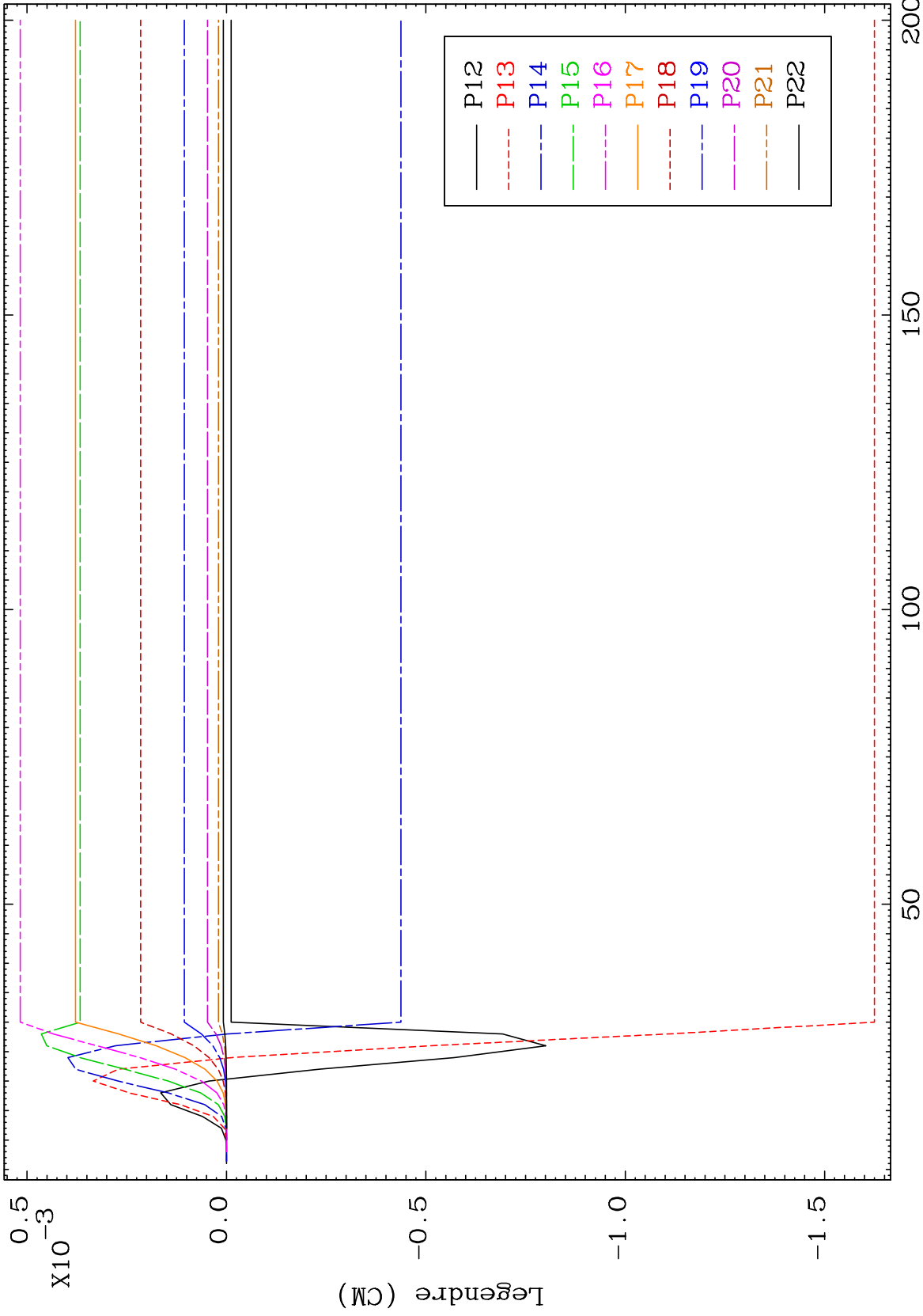
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



34

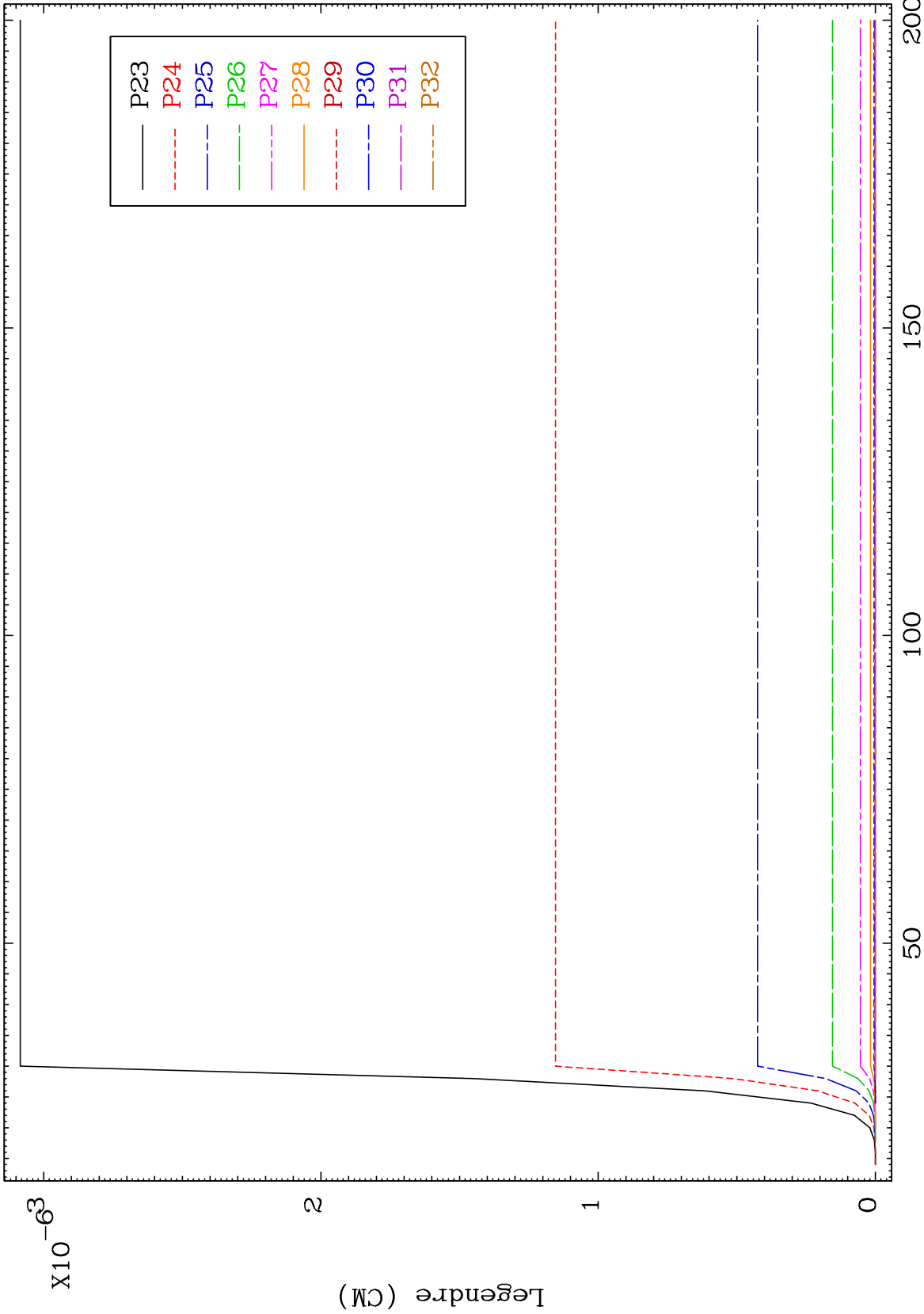
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



35

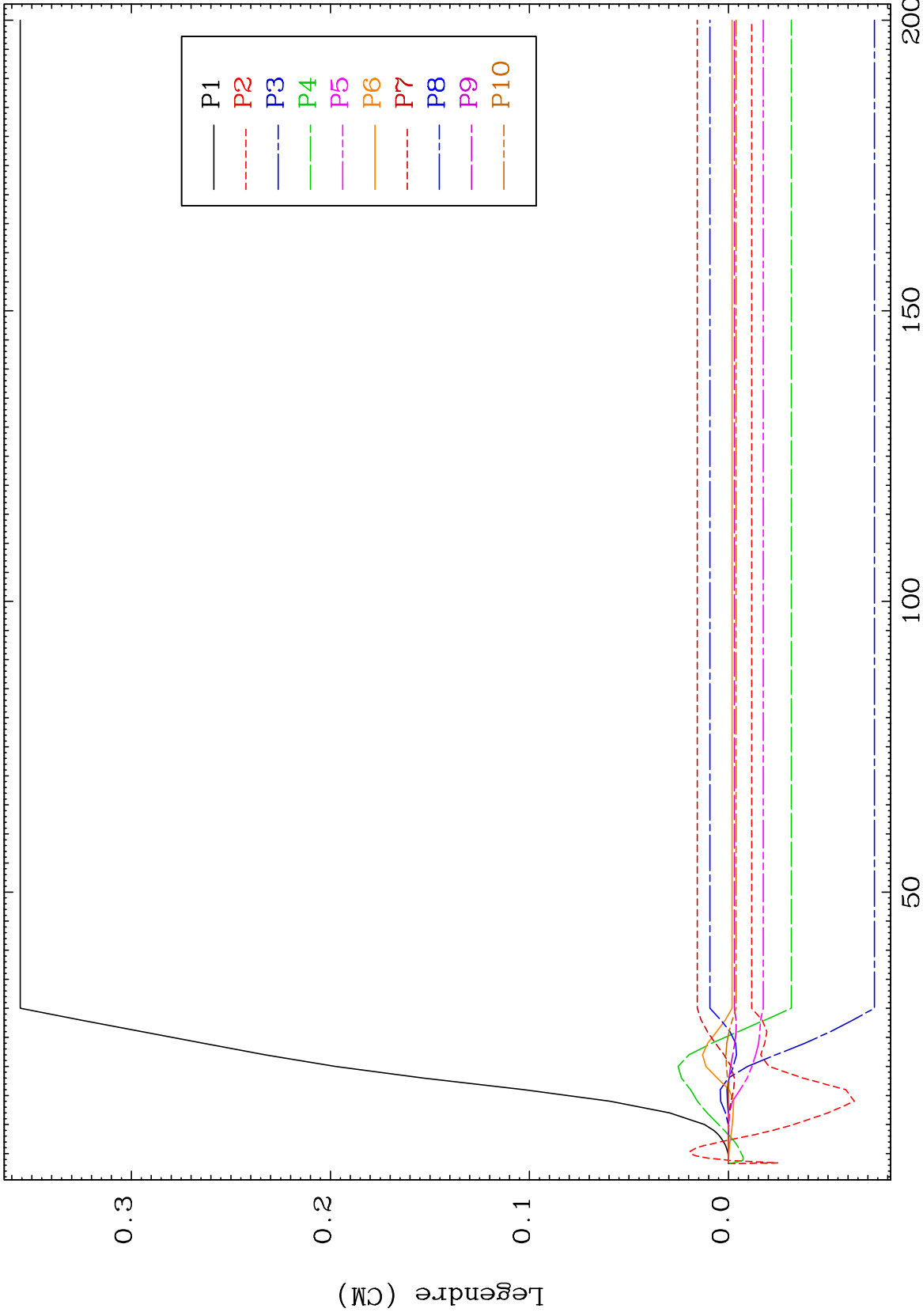
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



36

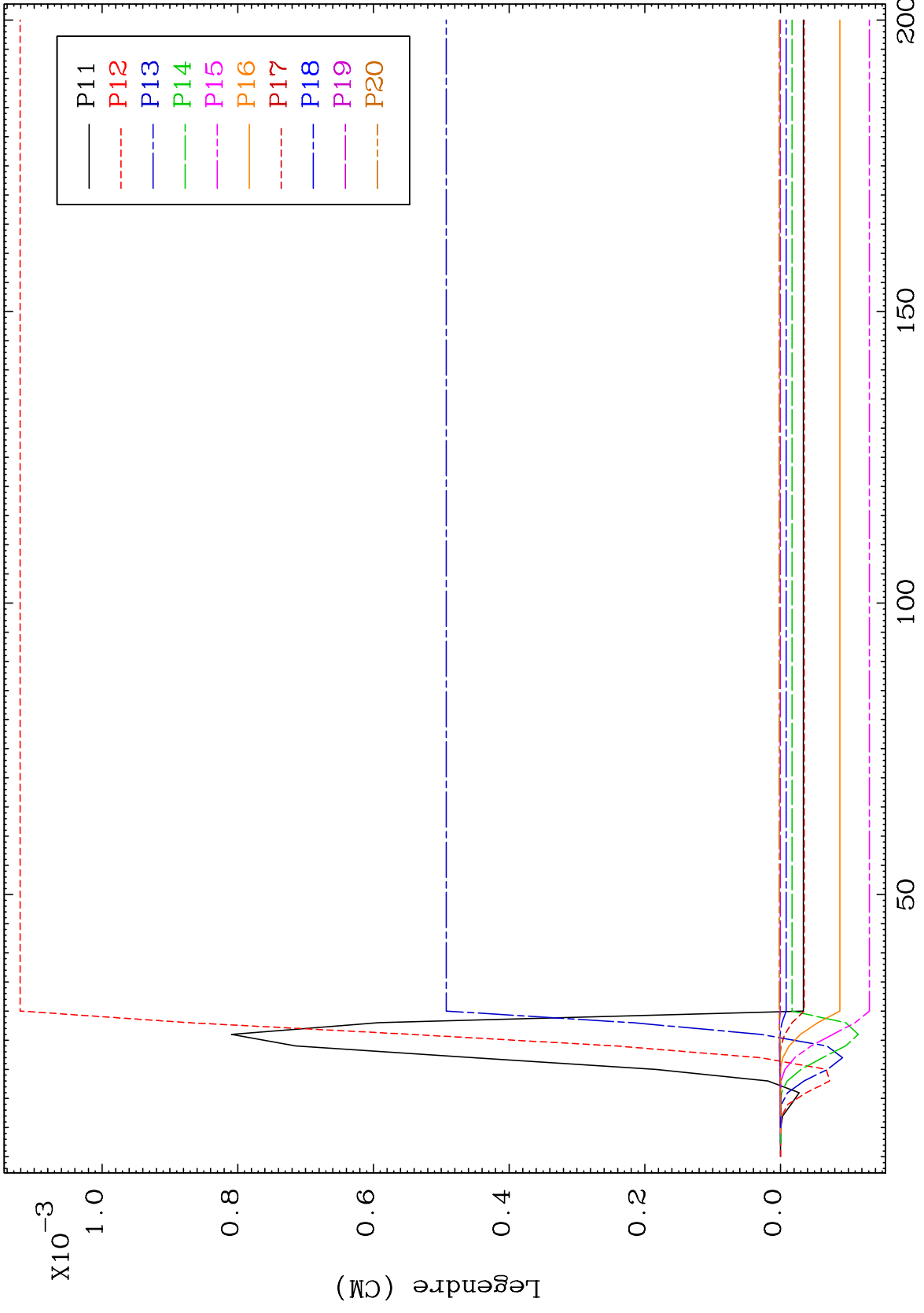
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



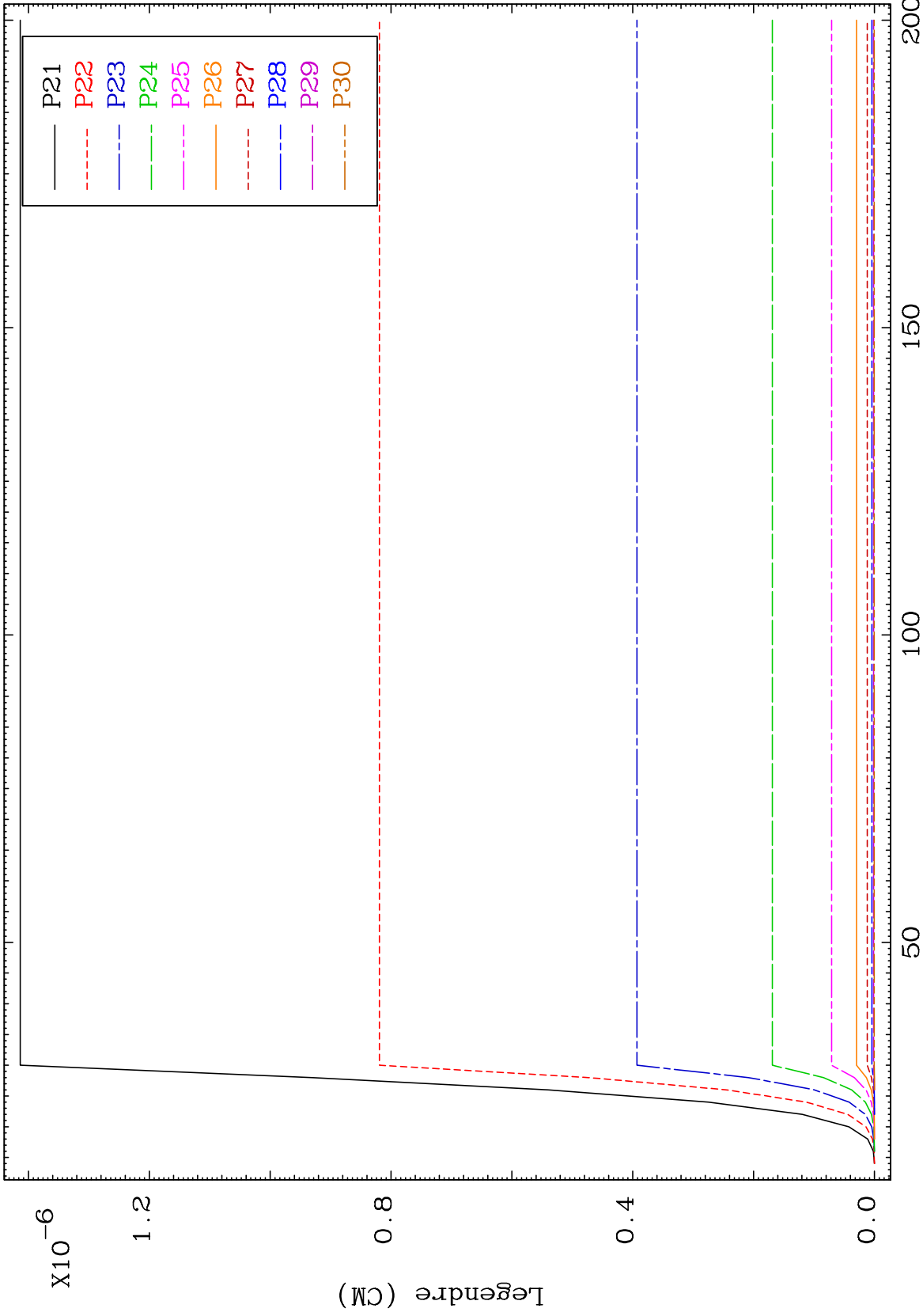
37

24-Cr-54

MAT 2437

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

24-Cr-54

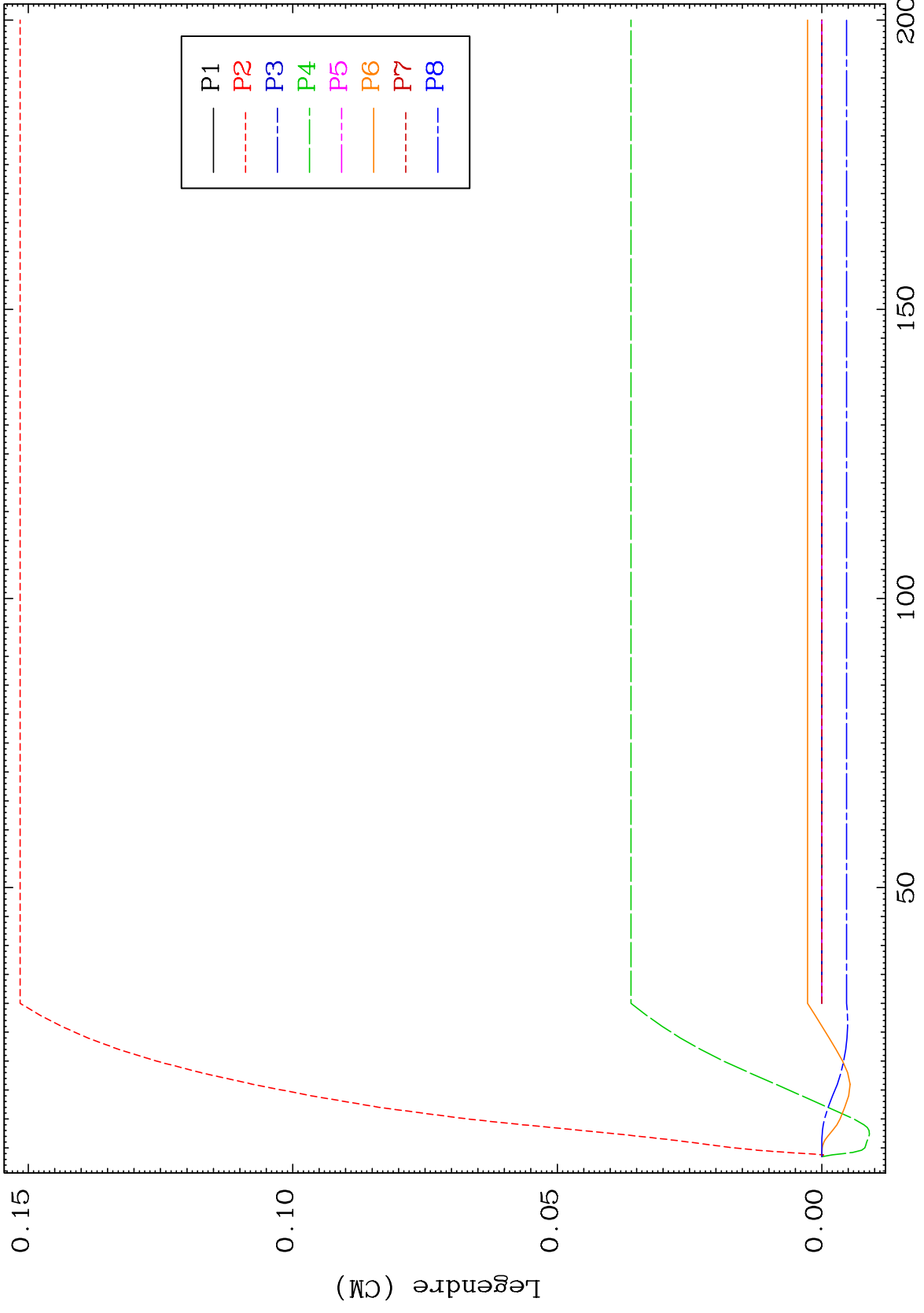


38

Incident Energy (MeV)

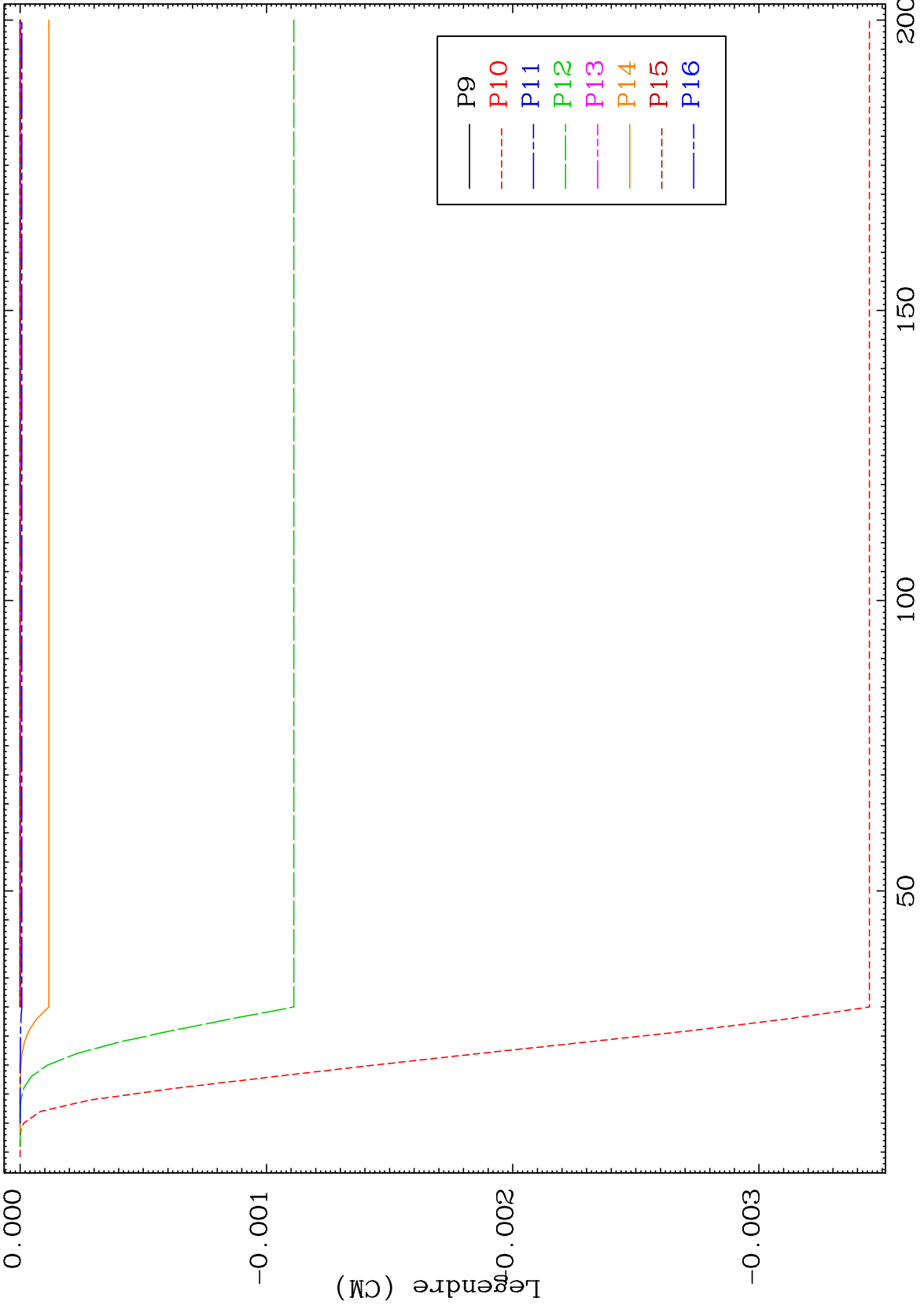
24-Cr-54

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



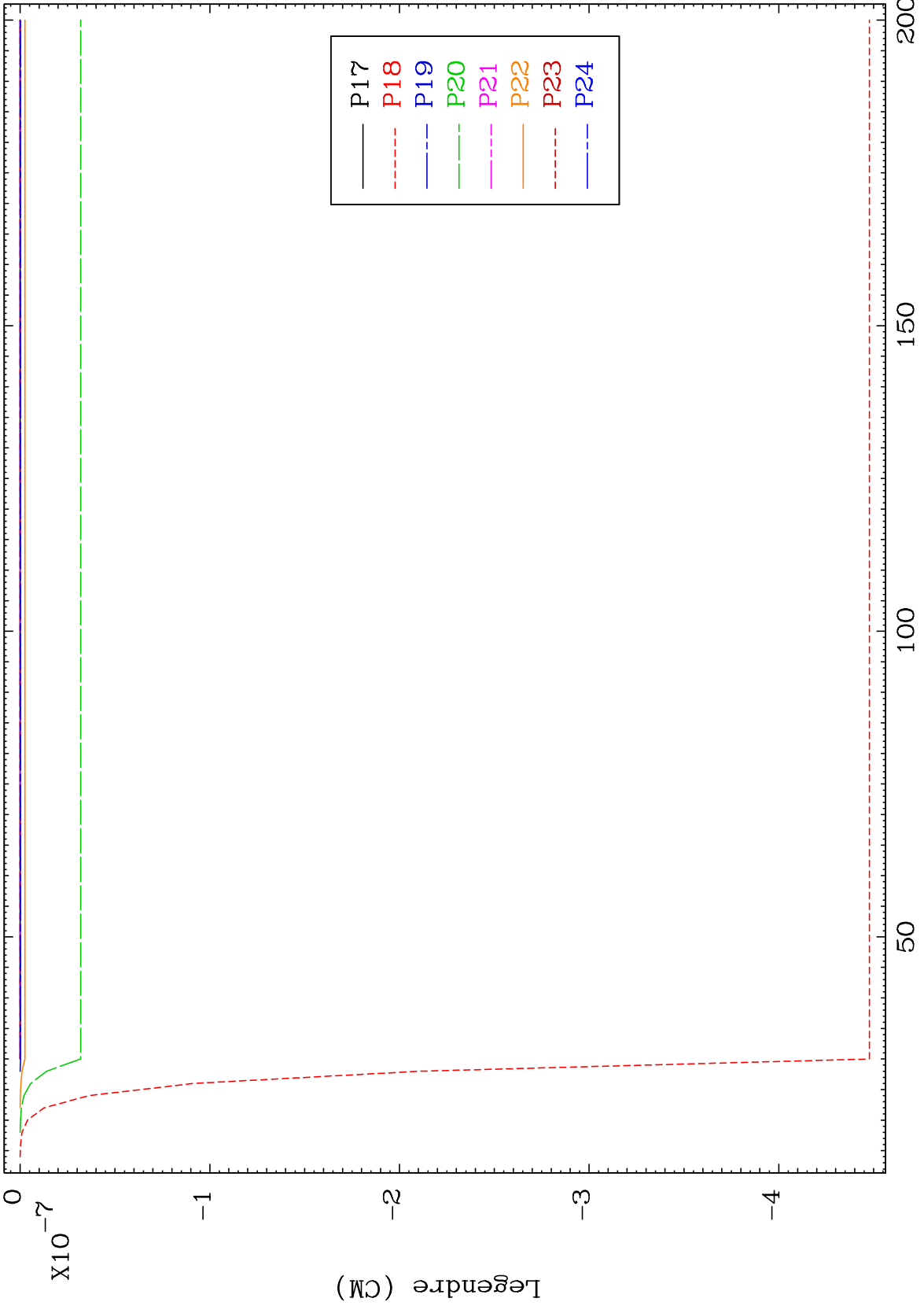
39 Incident Energy (MeV) 24-Cr-54

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

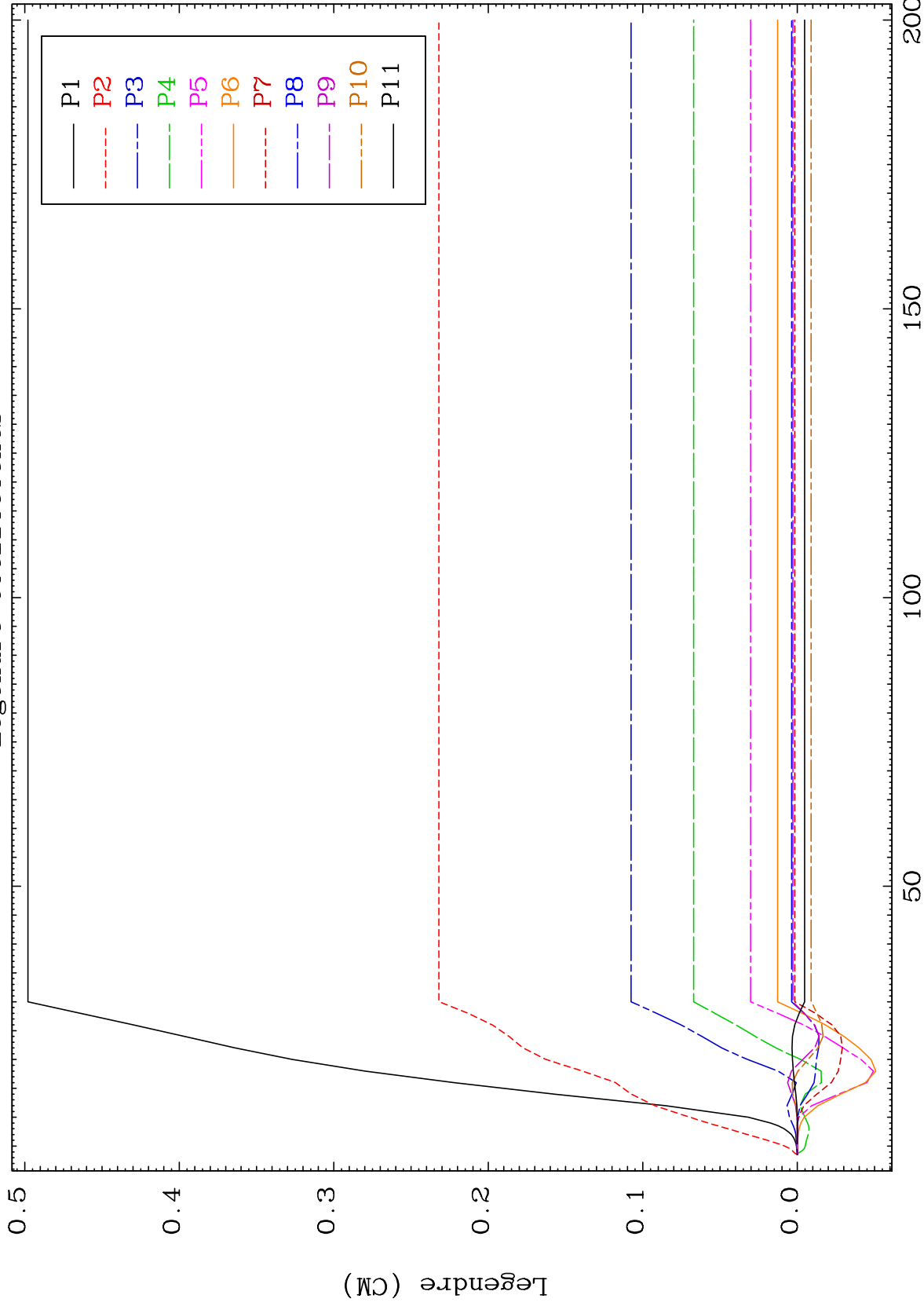


41 24-Cr-54

MAT 2437

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

24-Cr-54



42

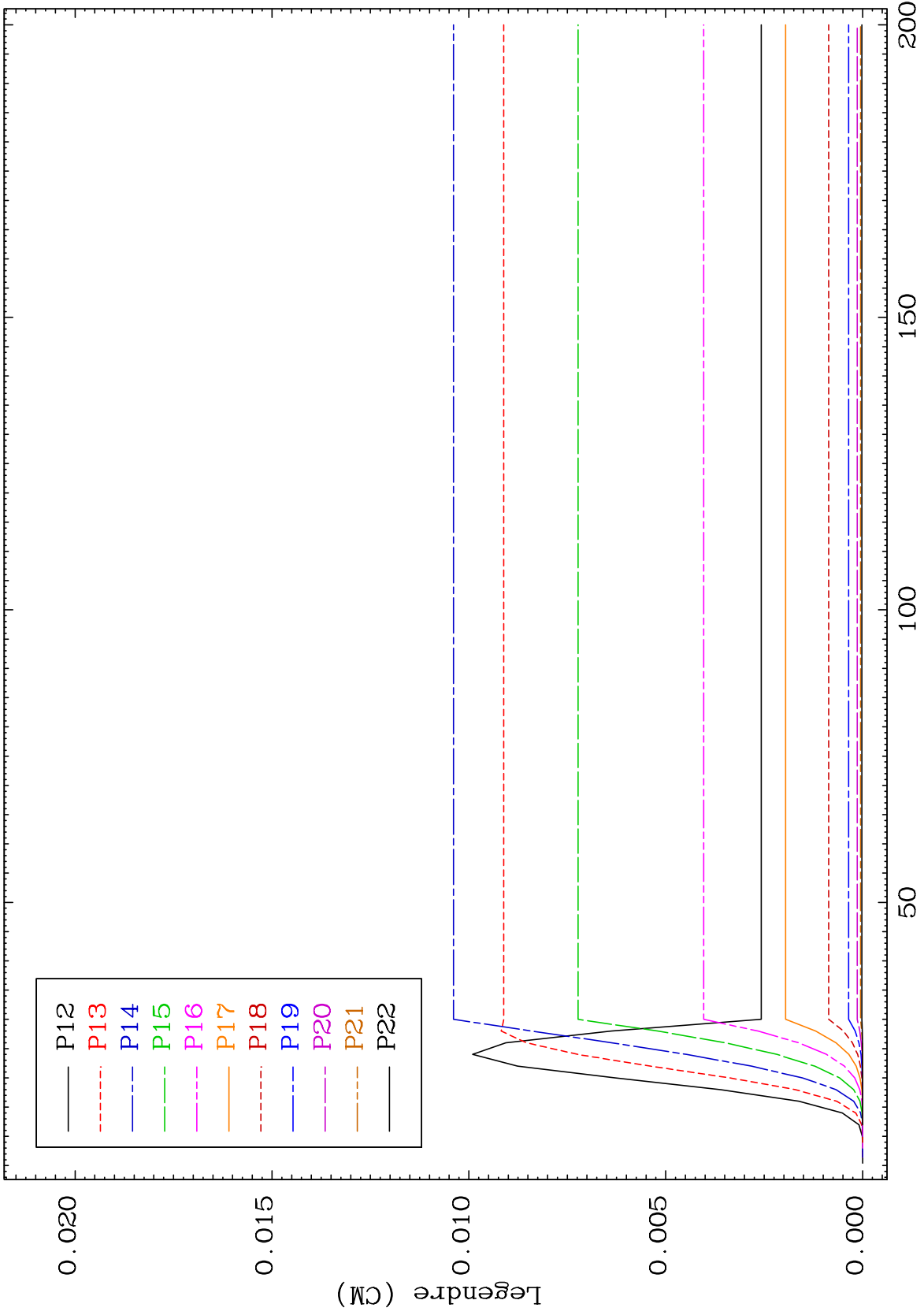
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

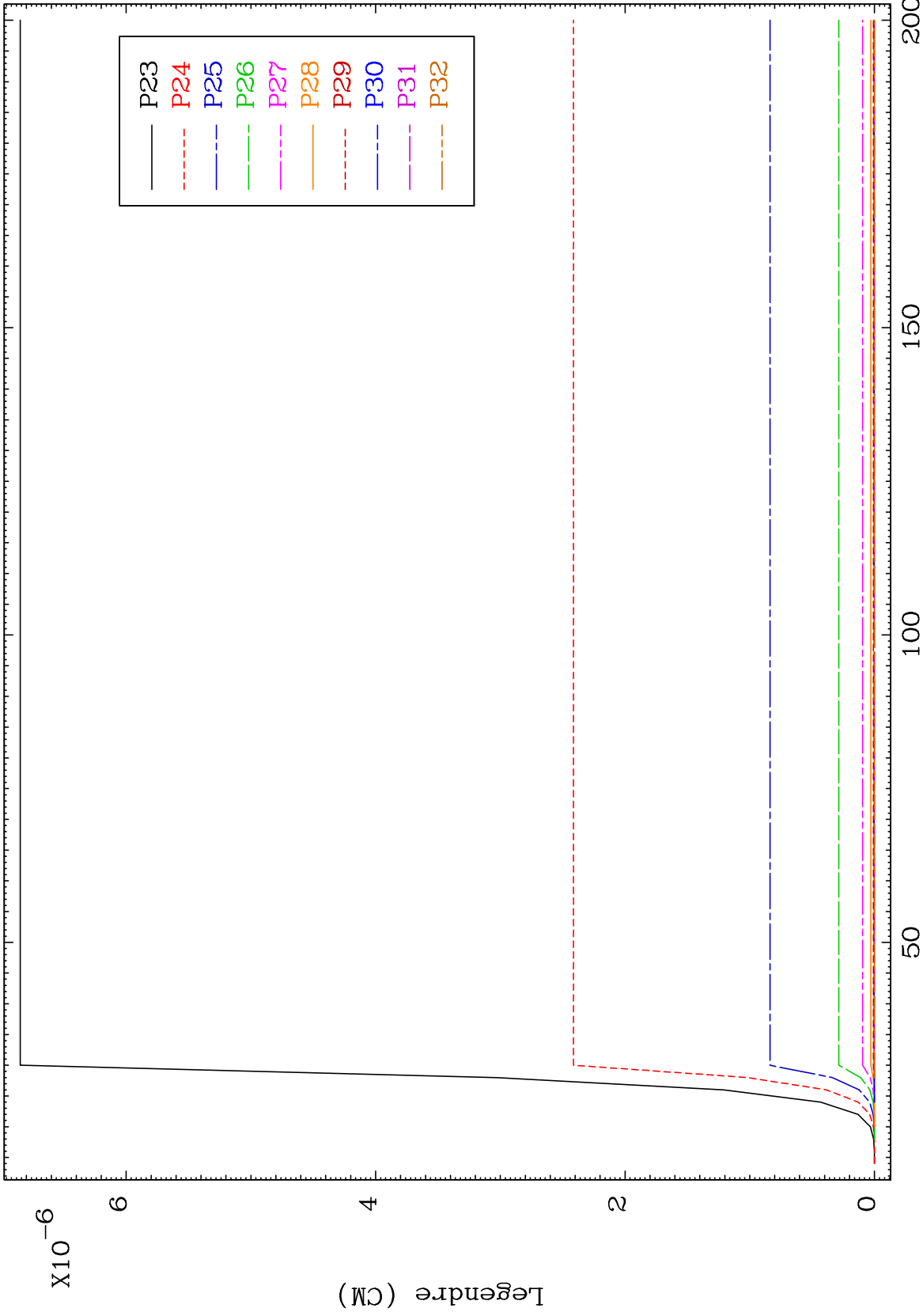
24-Cr-54



MAT 2437

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

24-Cr-54



44

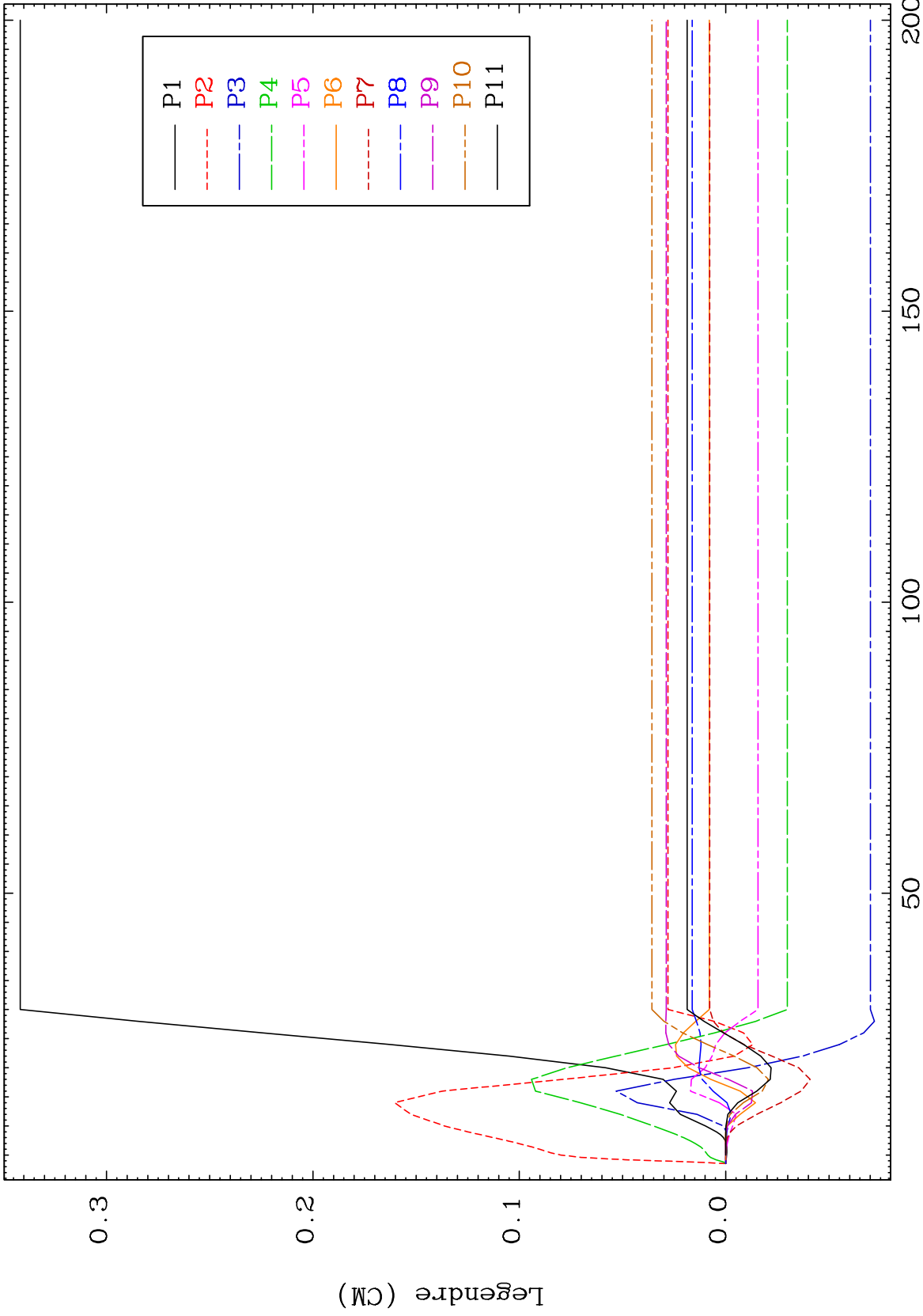
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



45

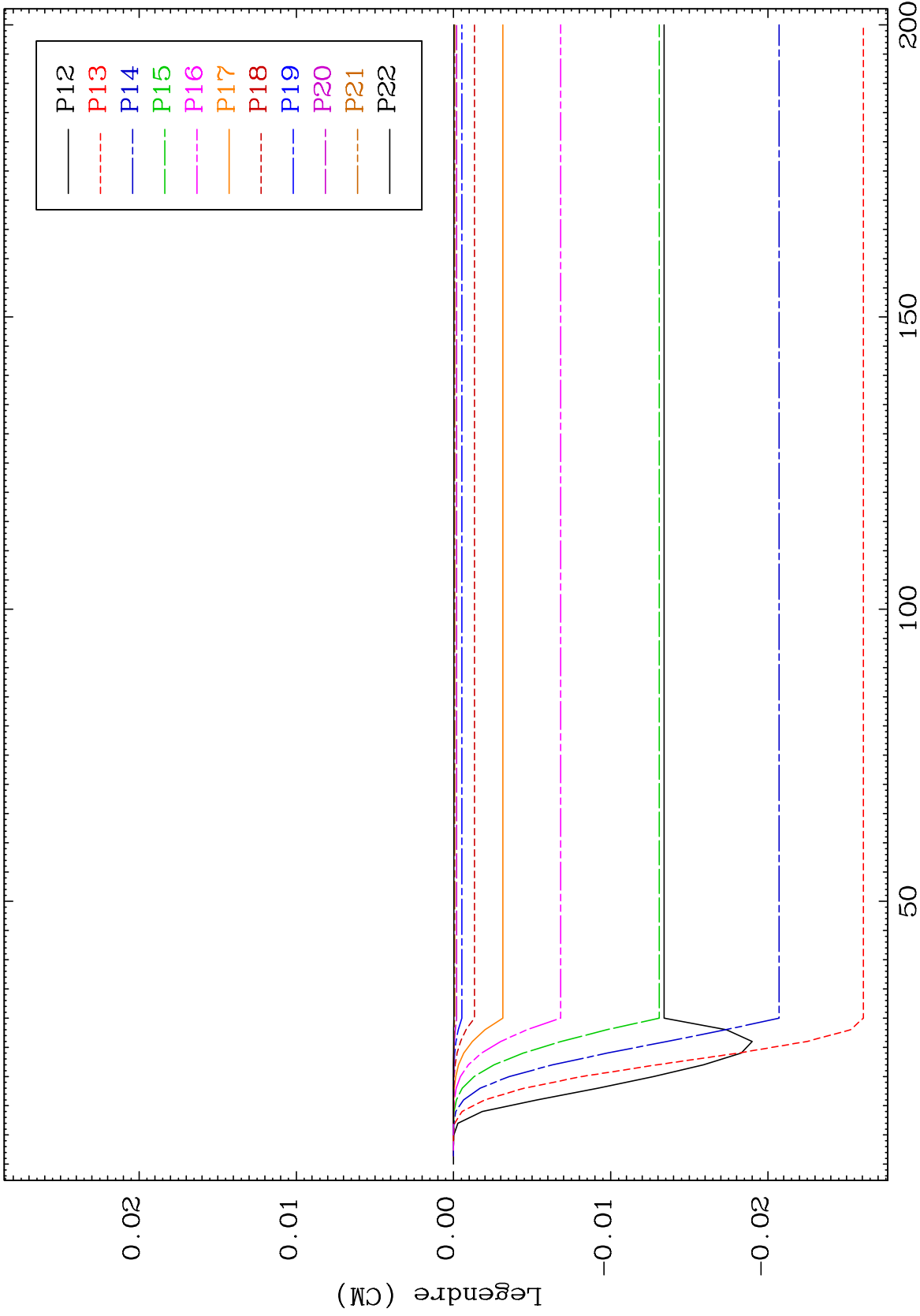
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



46

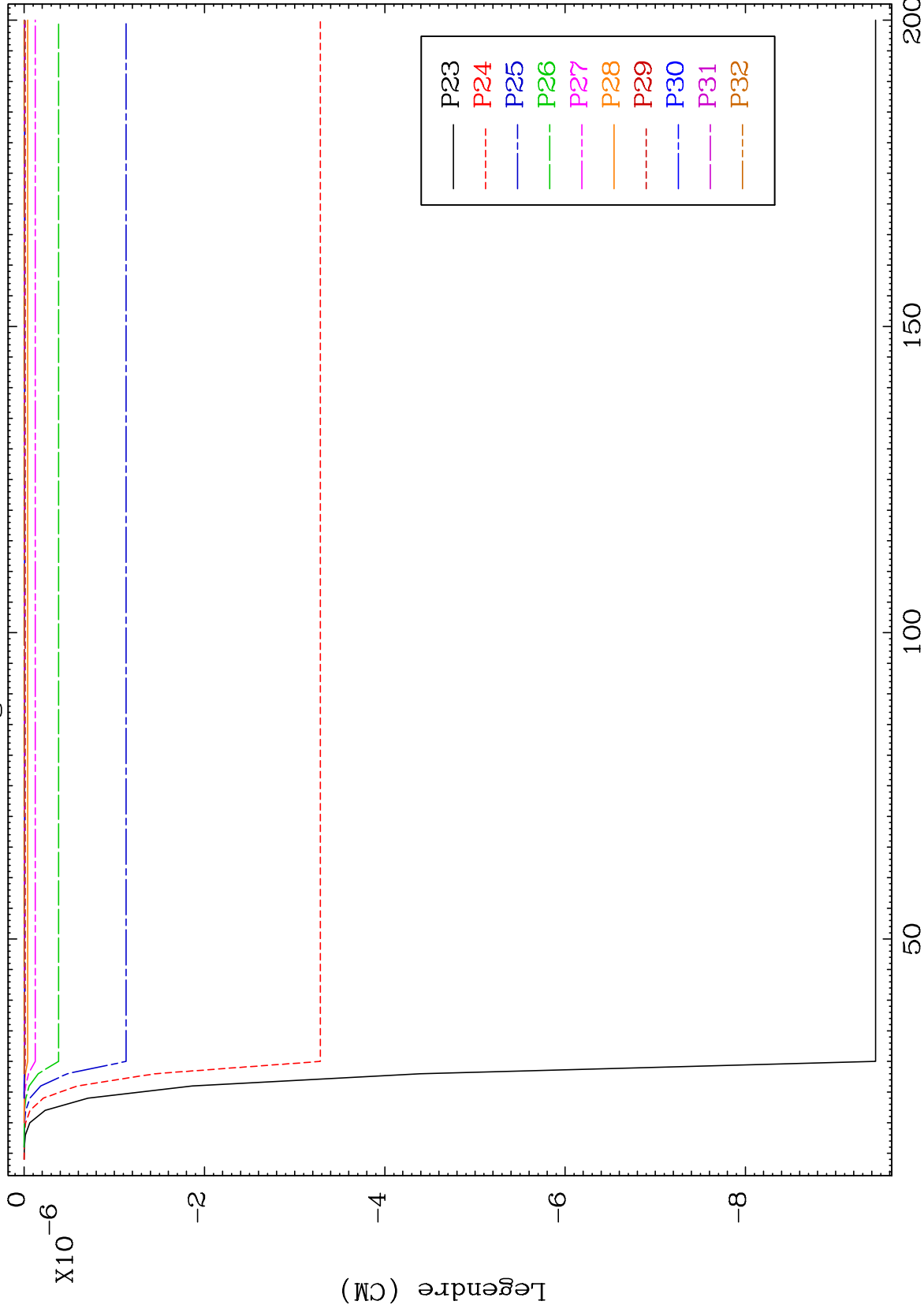
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



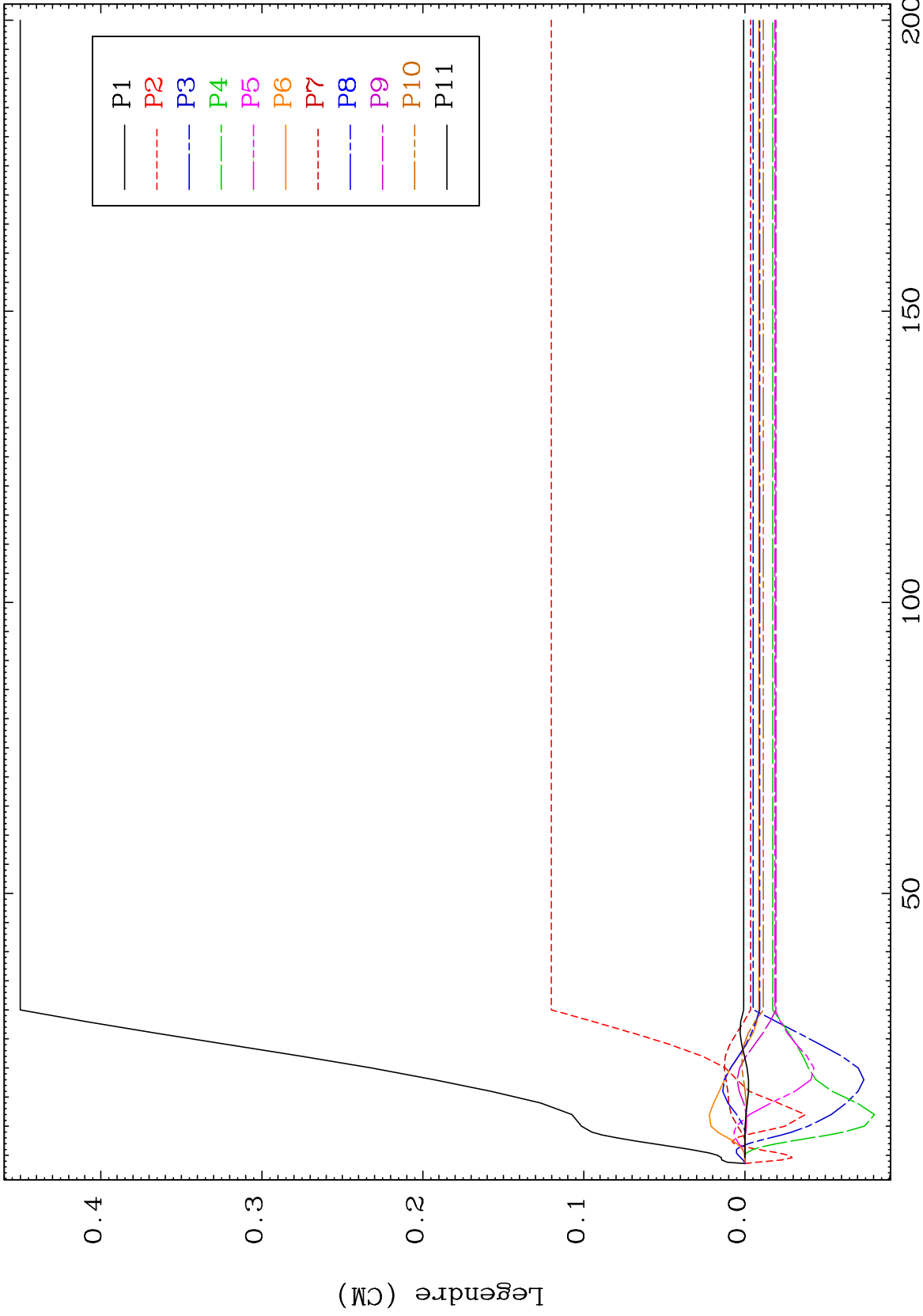
24-Cr-54

47

MAT 2437

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

24-Cr-54



48

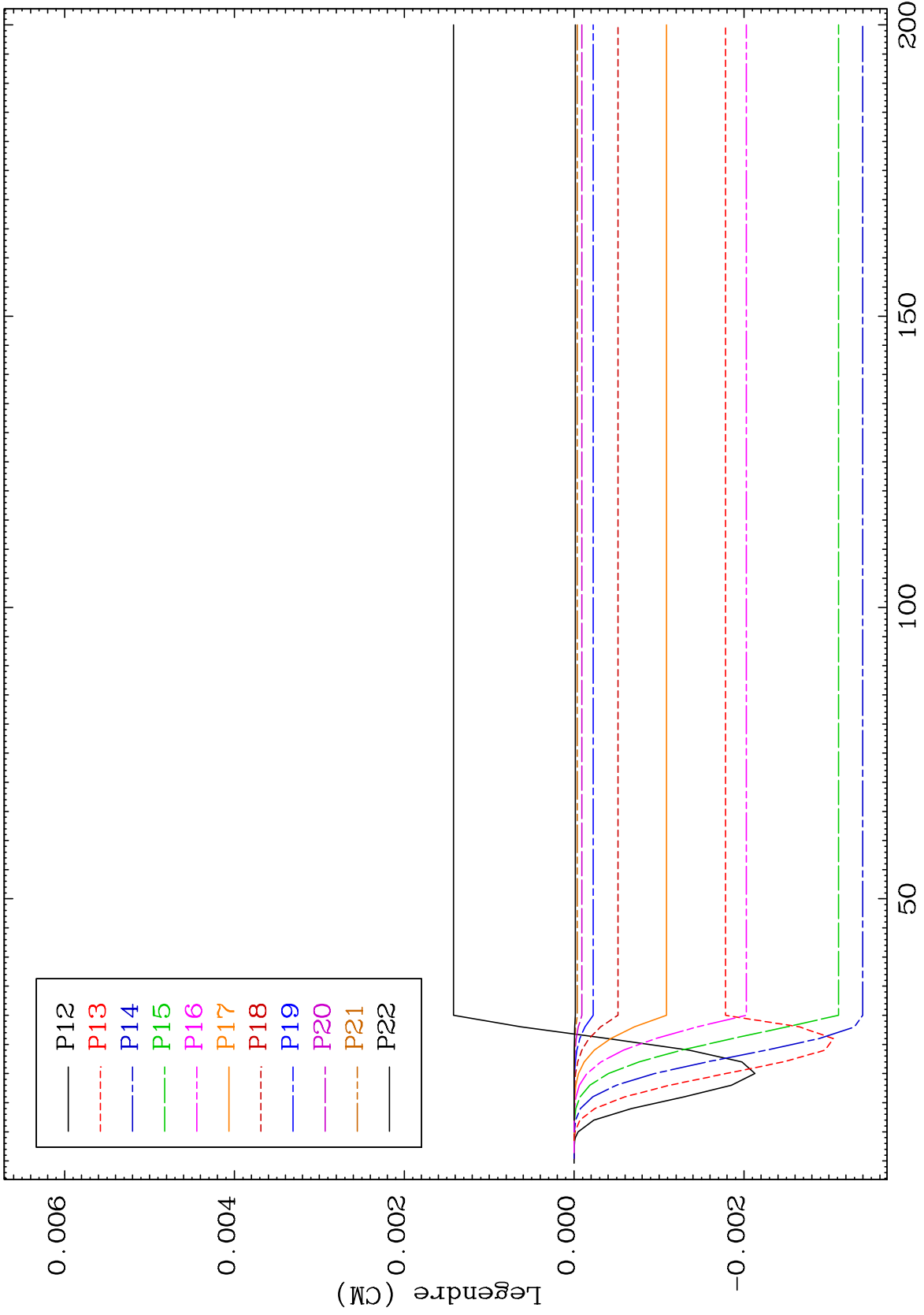
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

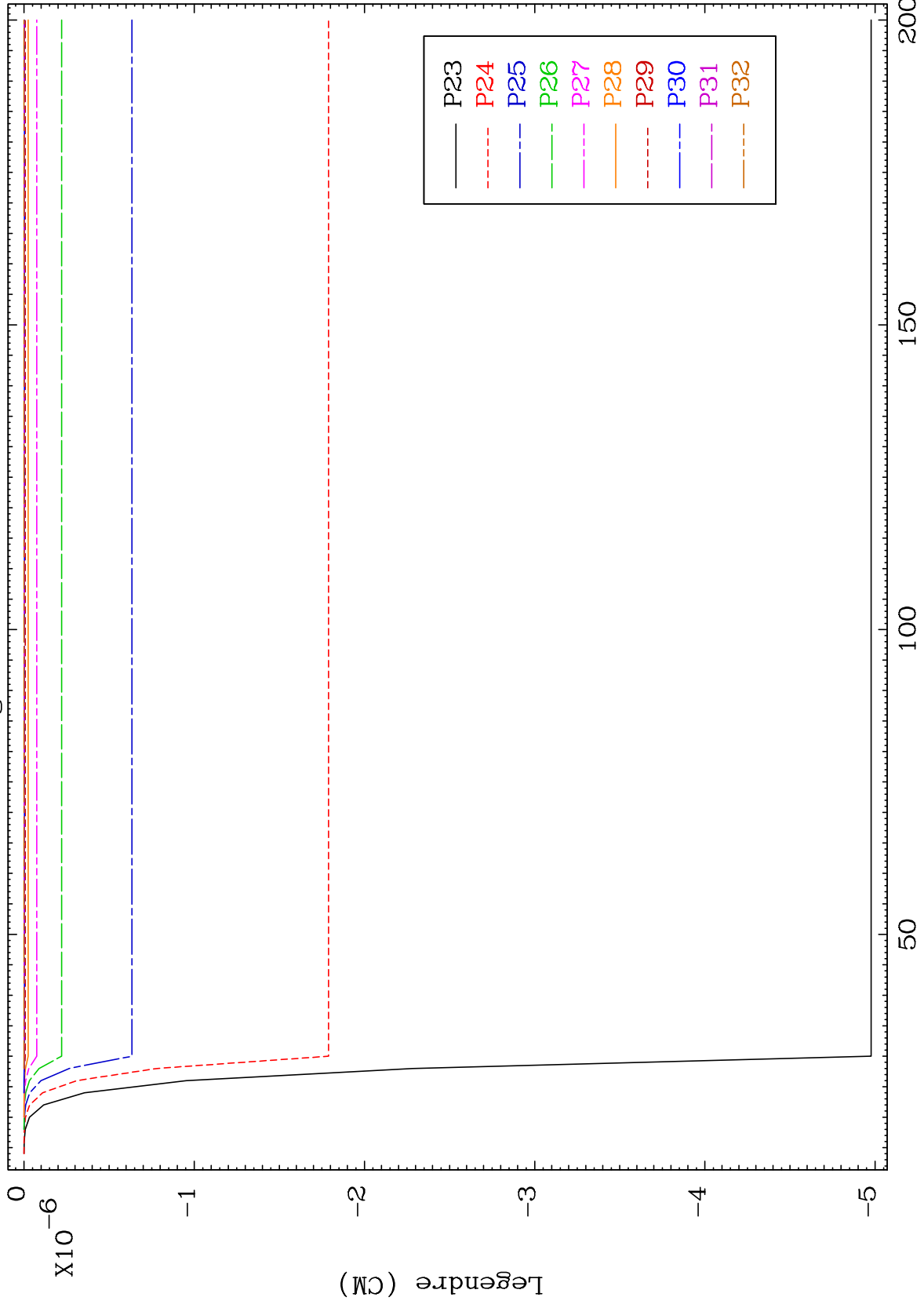
24-Cr-54



MAT 2437

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

24-Cr-54



24-Cr-54

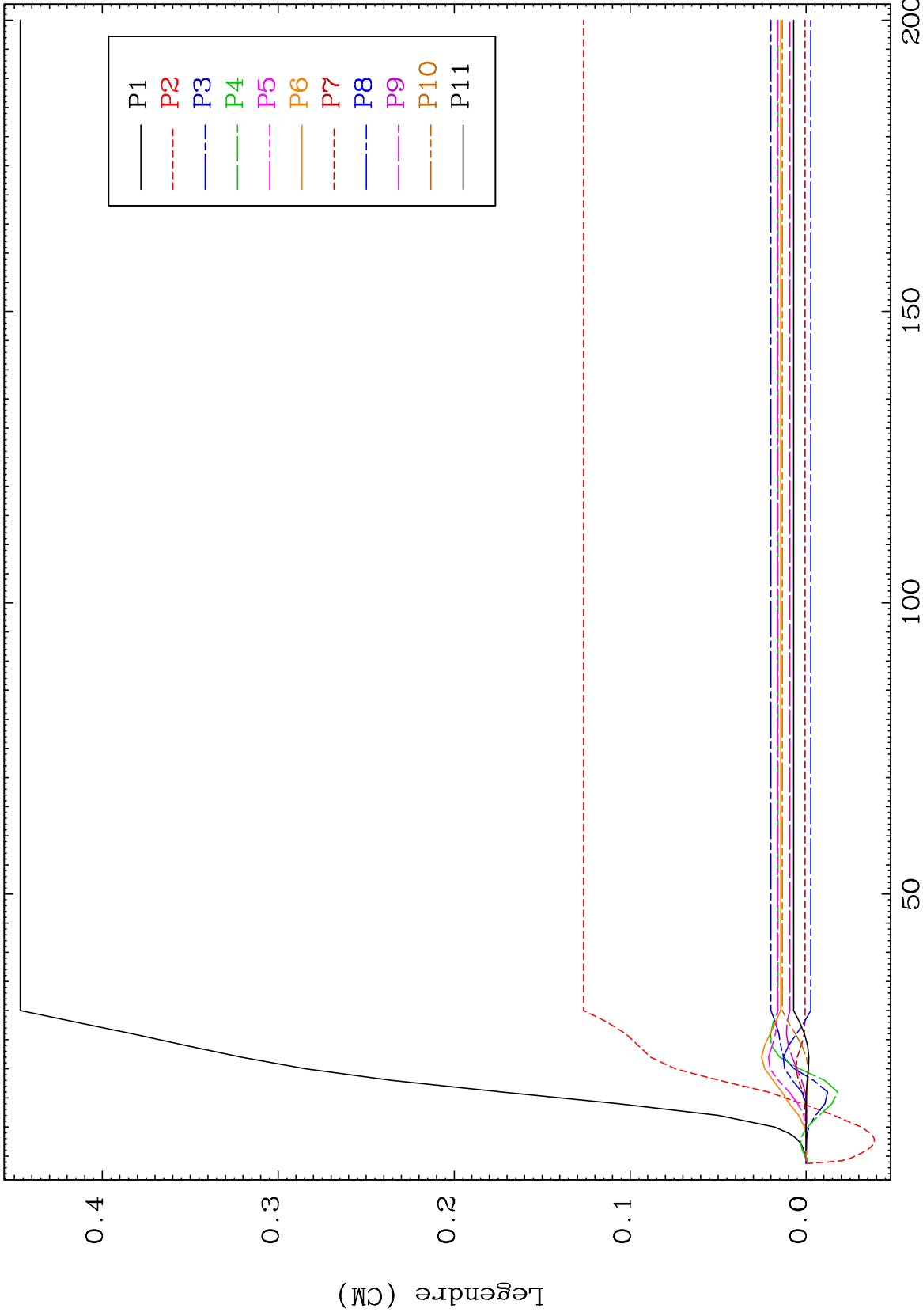
Incident Energy (MeV)

50

MAT 2437

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

24-Cr-54



51

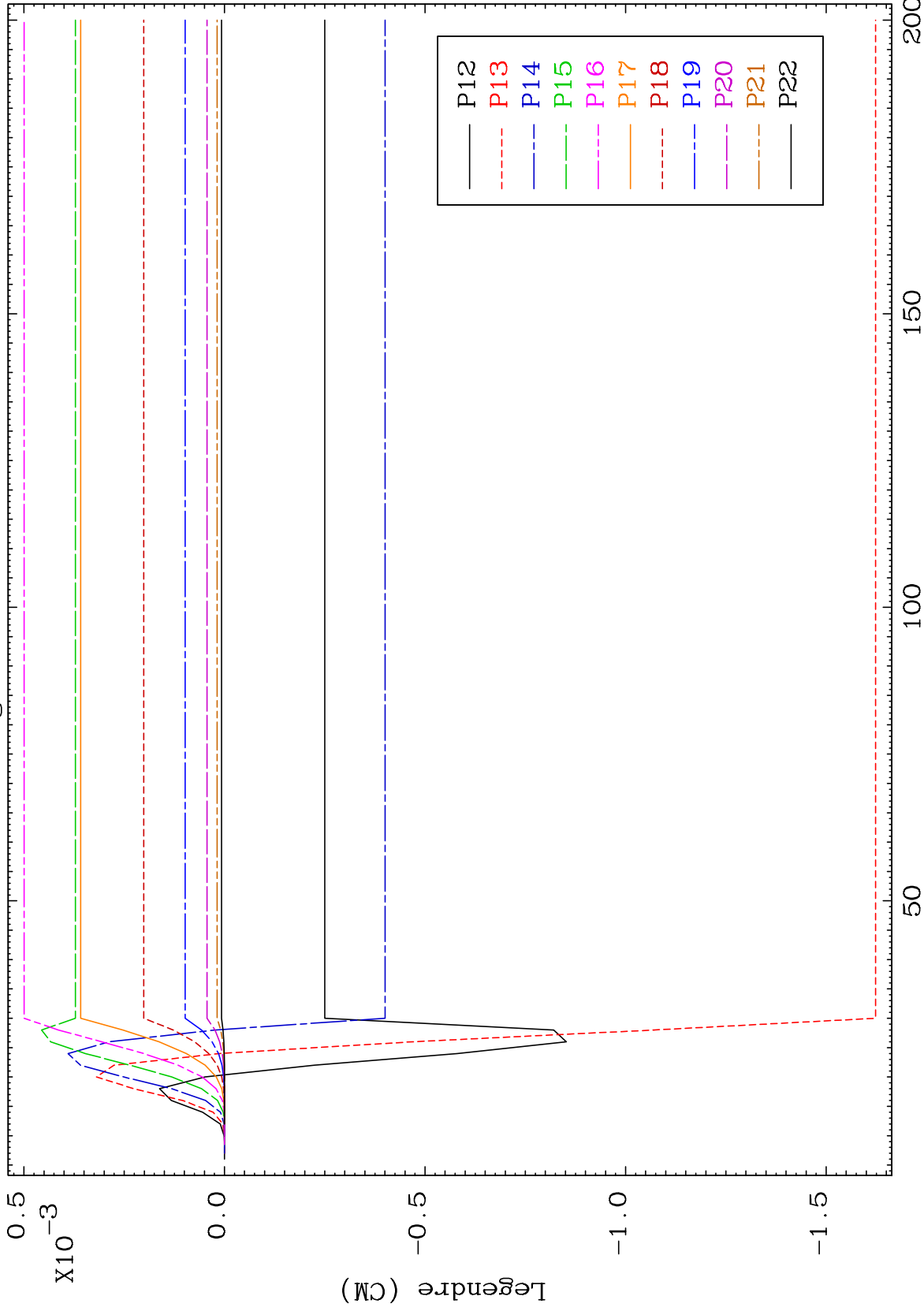
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



52

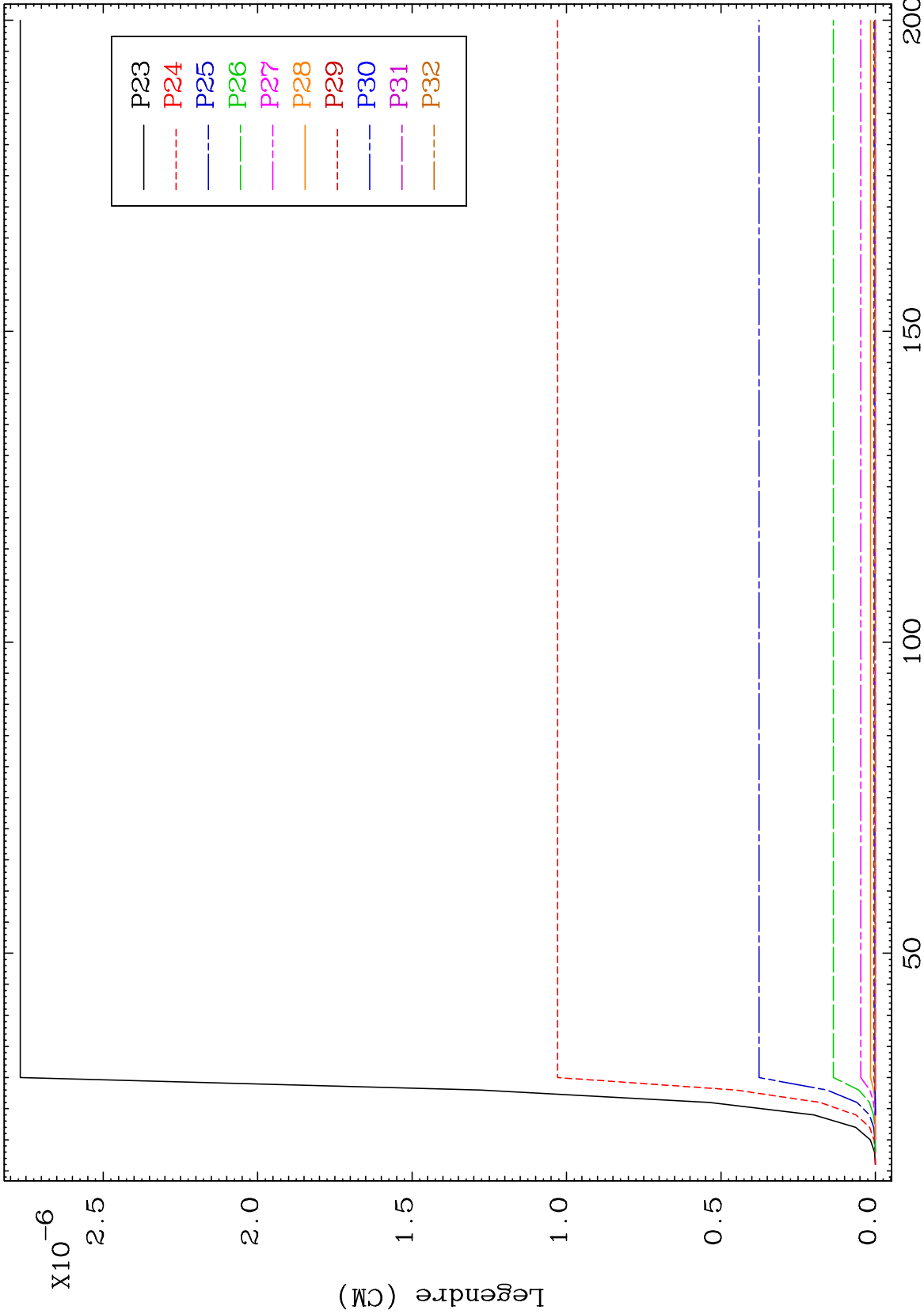
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



53

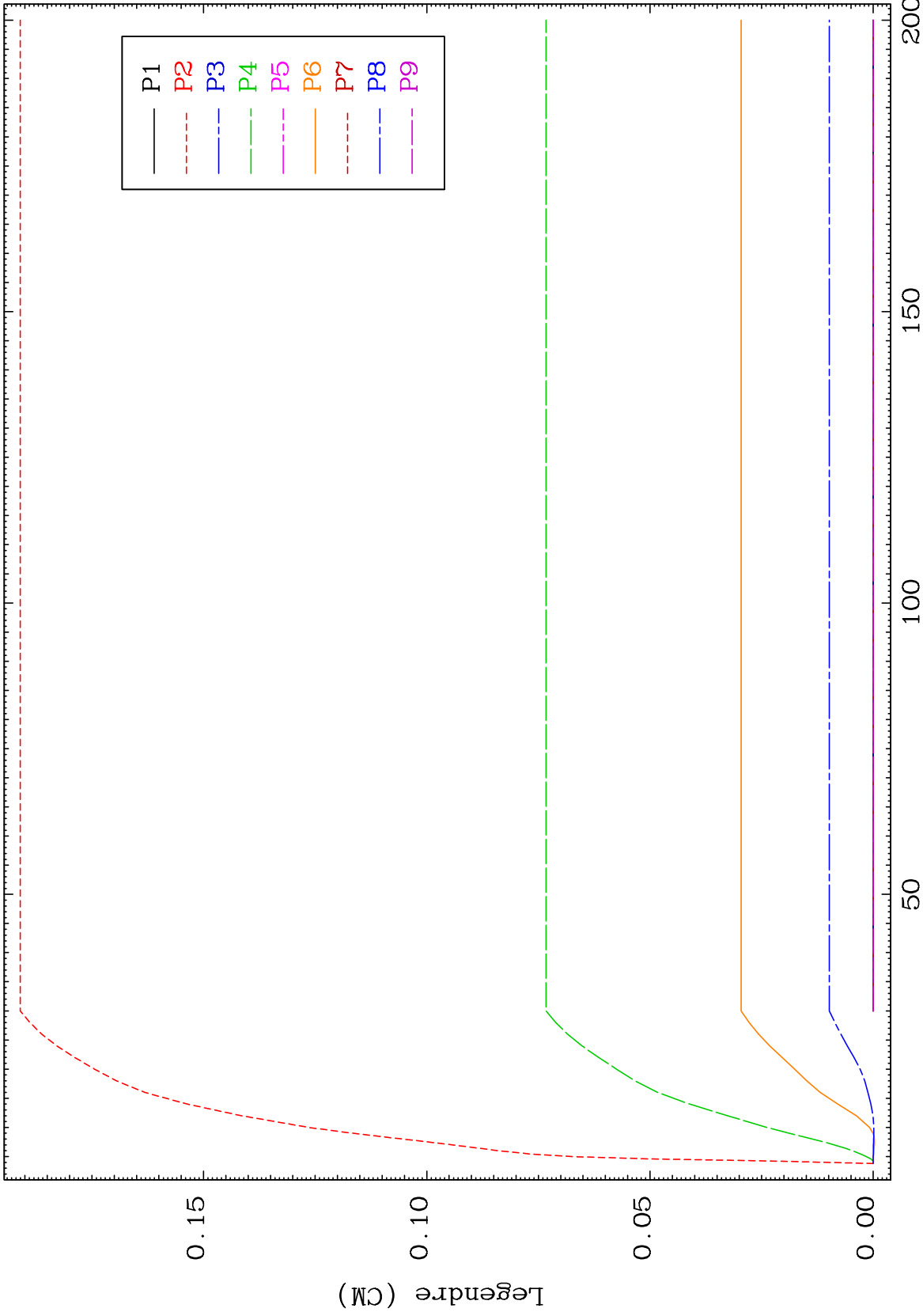
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



54

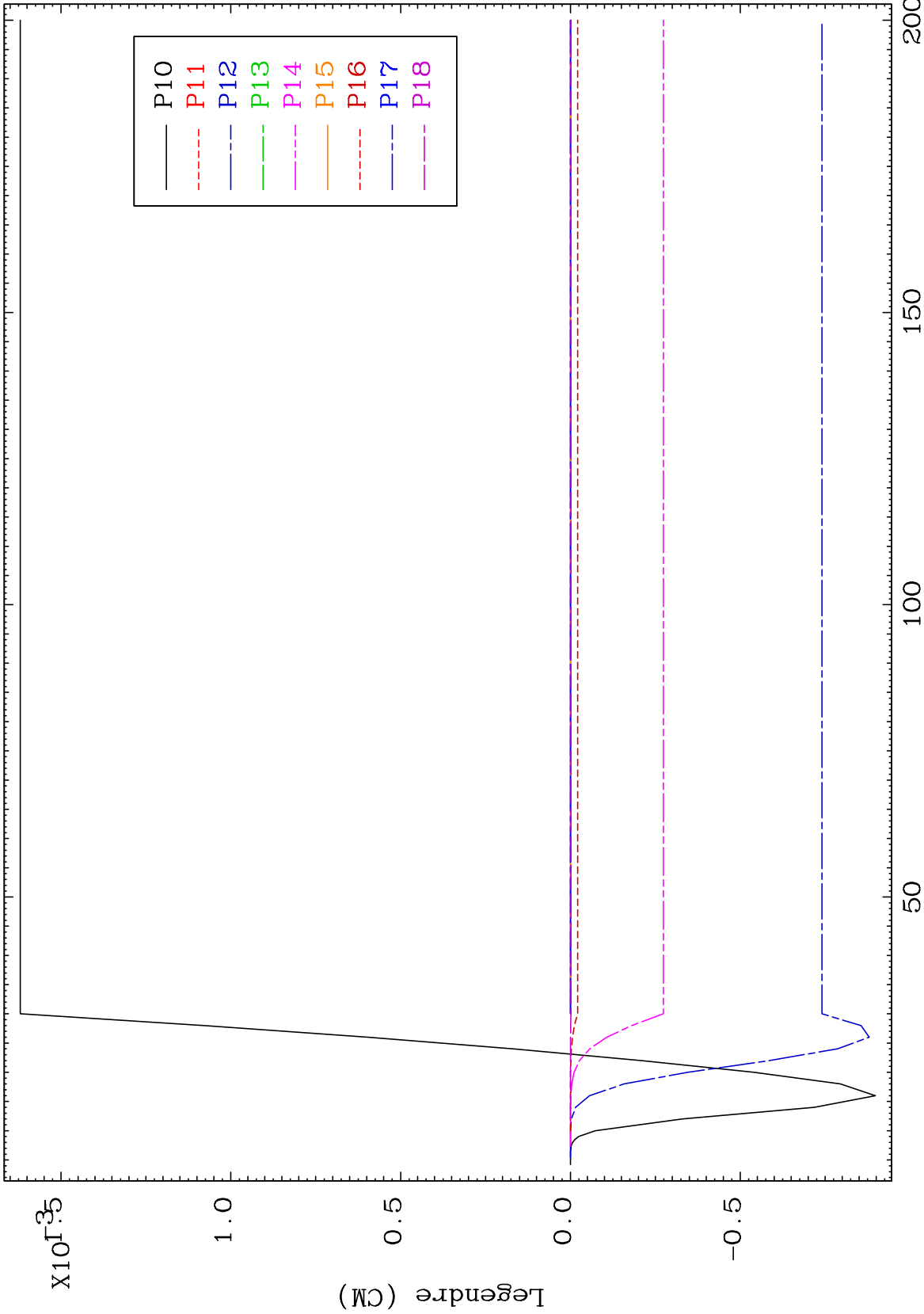
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54

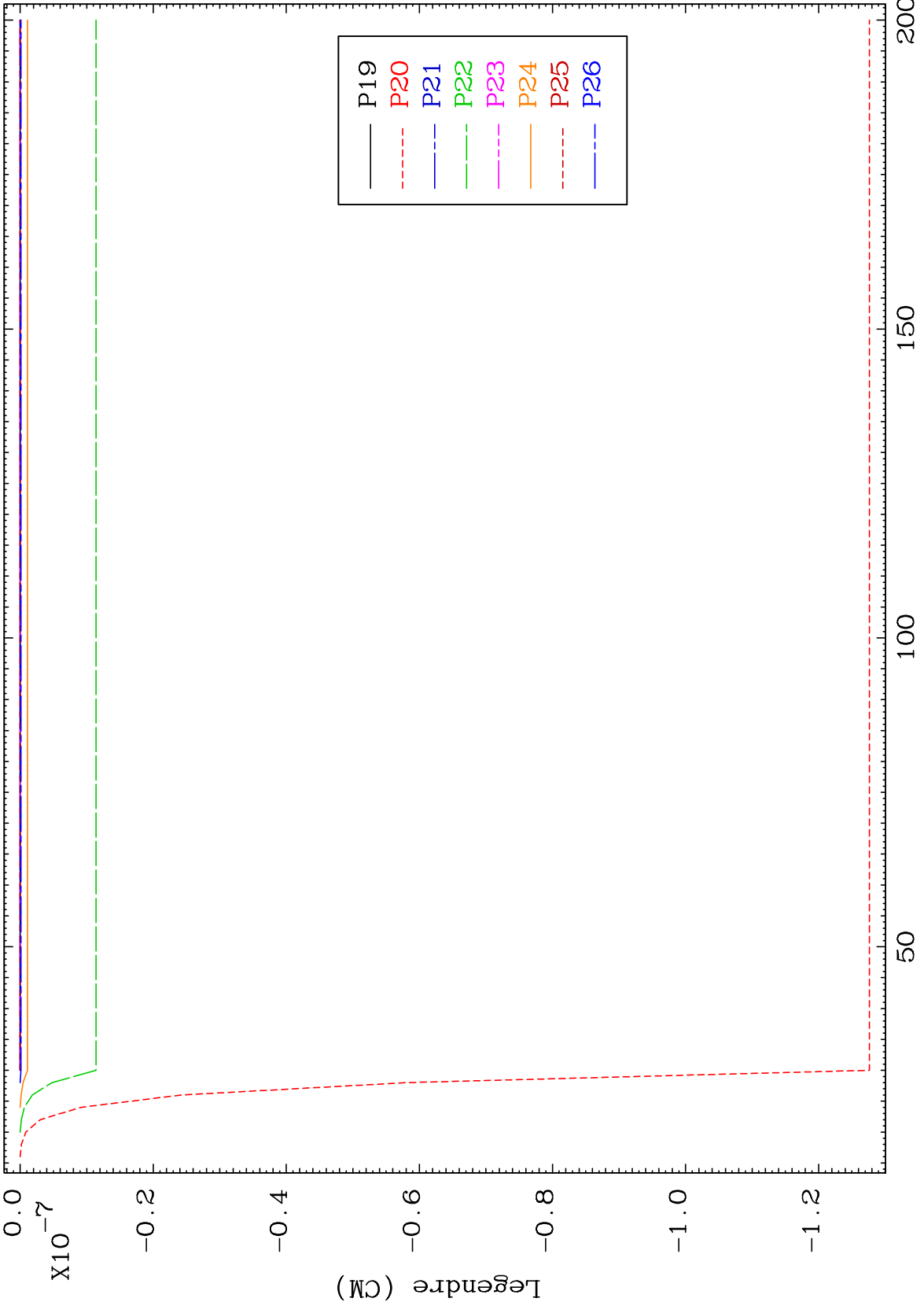


55

Incident Energy (MeV)

24-Cr-54

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

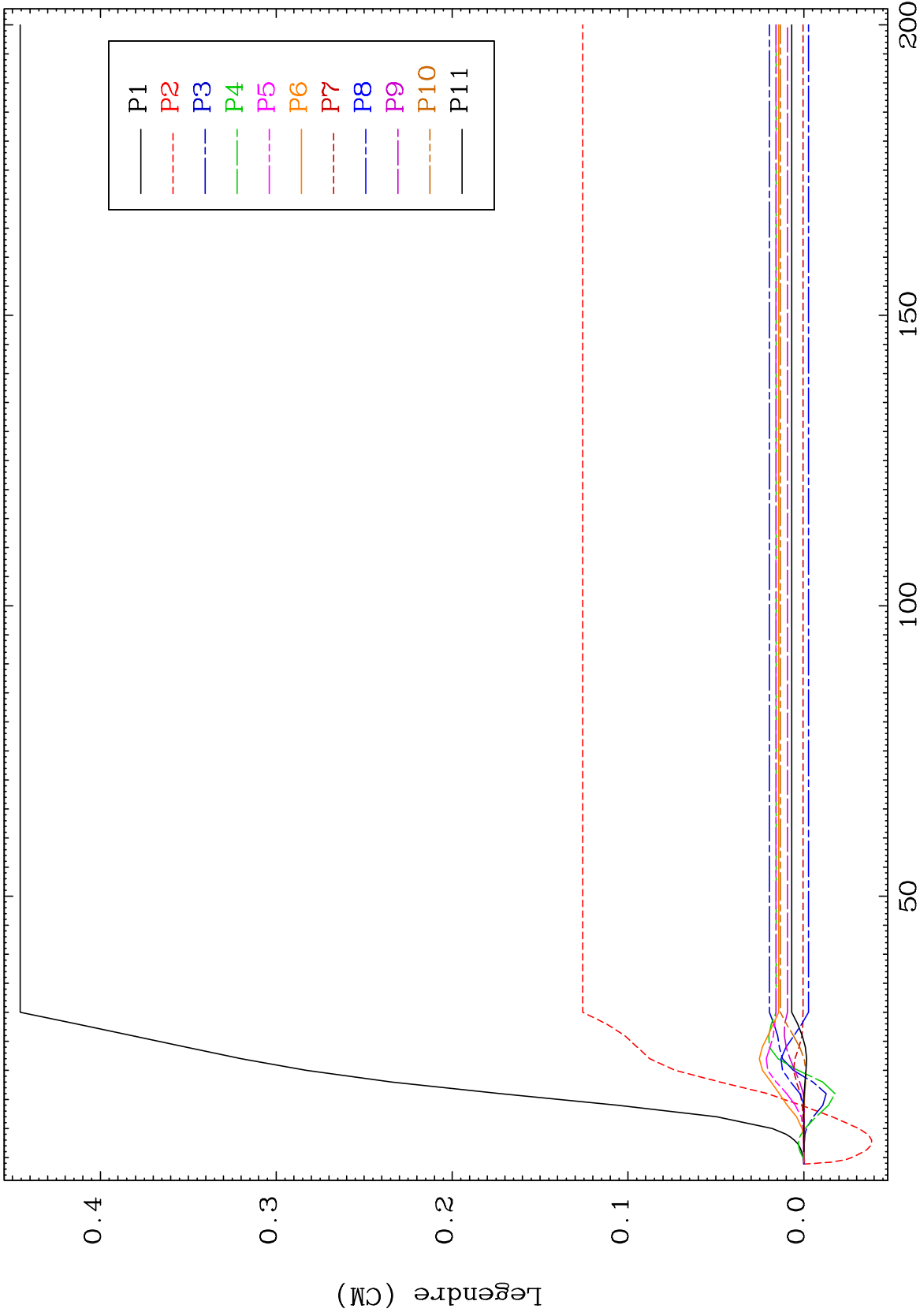


56 Incident Energy (MeV) 24-Cr-54

MAT 2437

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

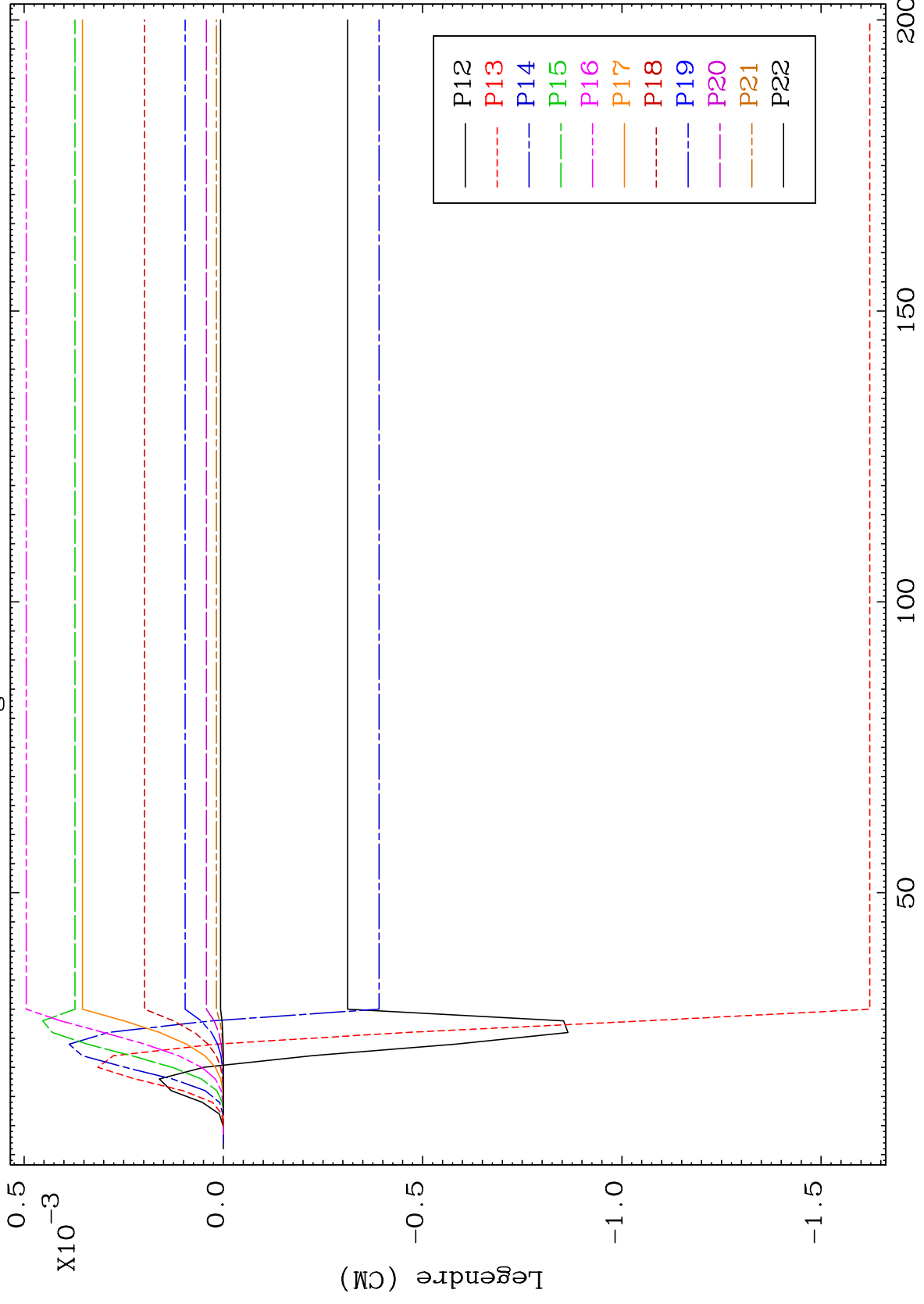
24-Cr-54



57

Incident Energy (MeV)

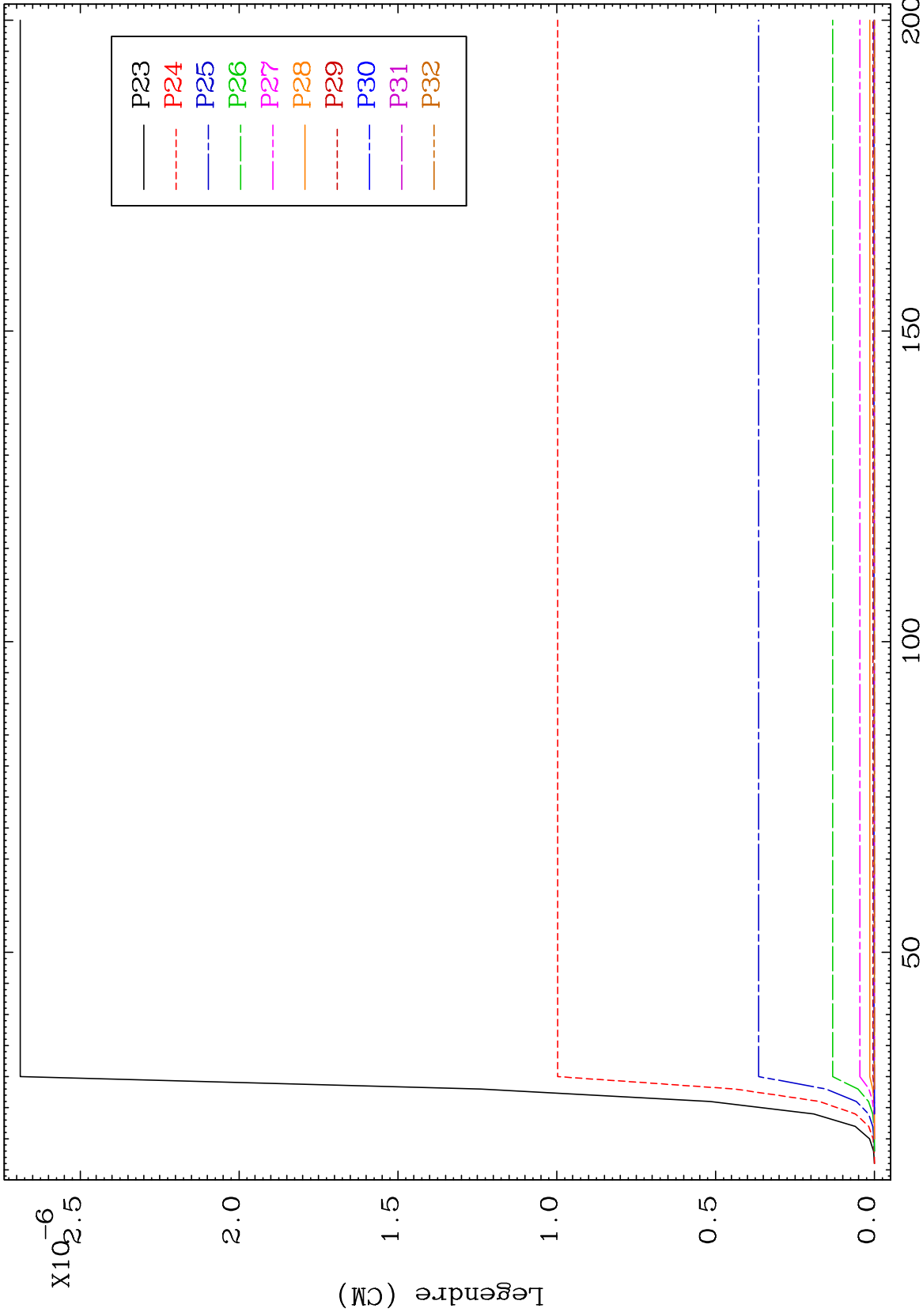
24-Cr-54



MAT 2437

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

24-Cr-54



59

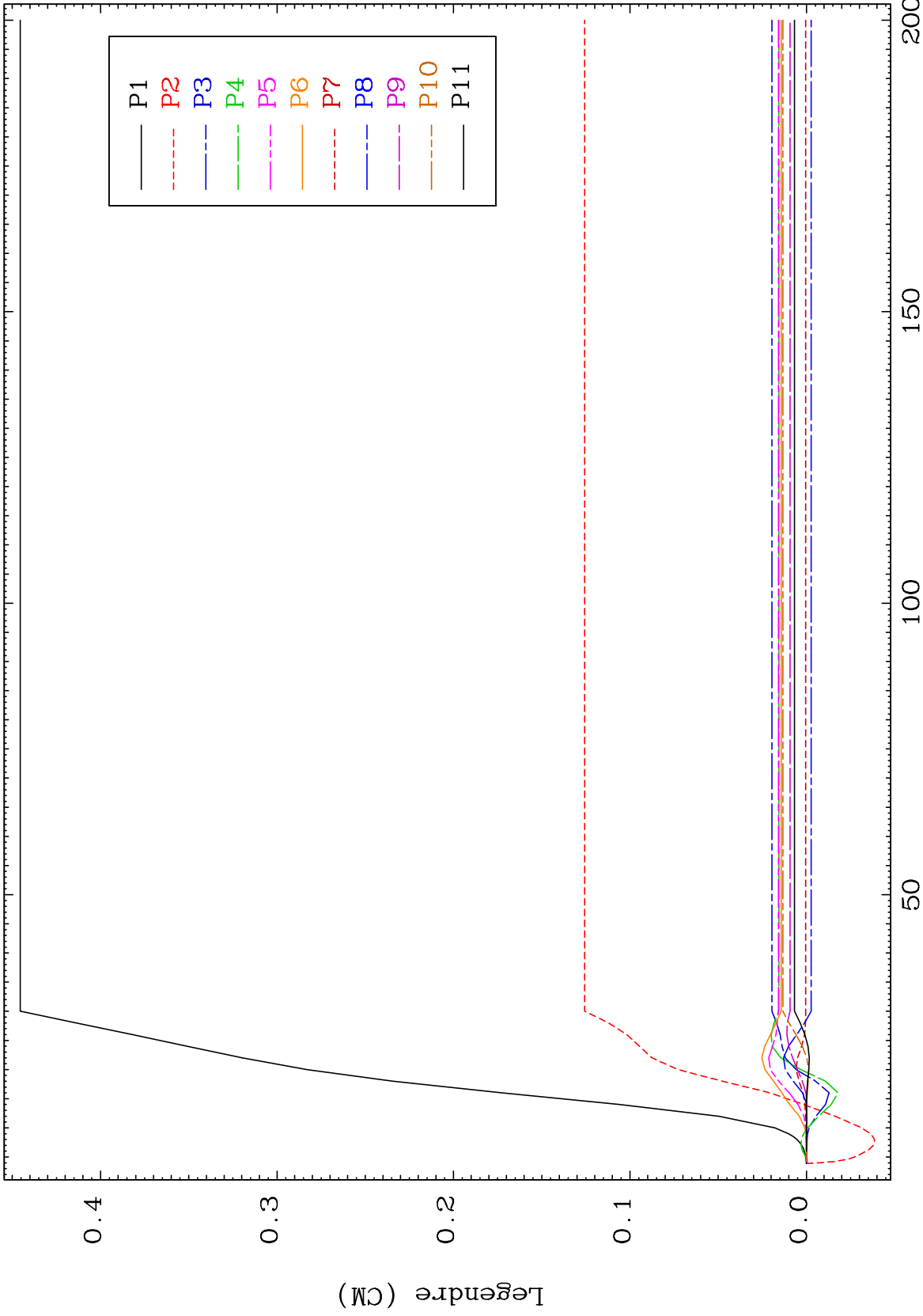
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



24-Cr-54

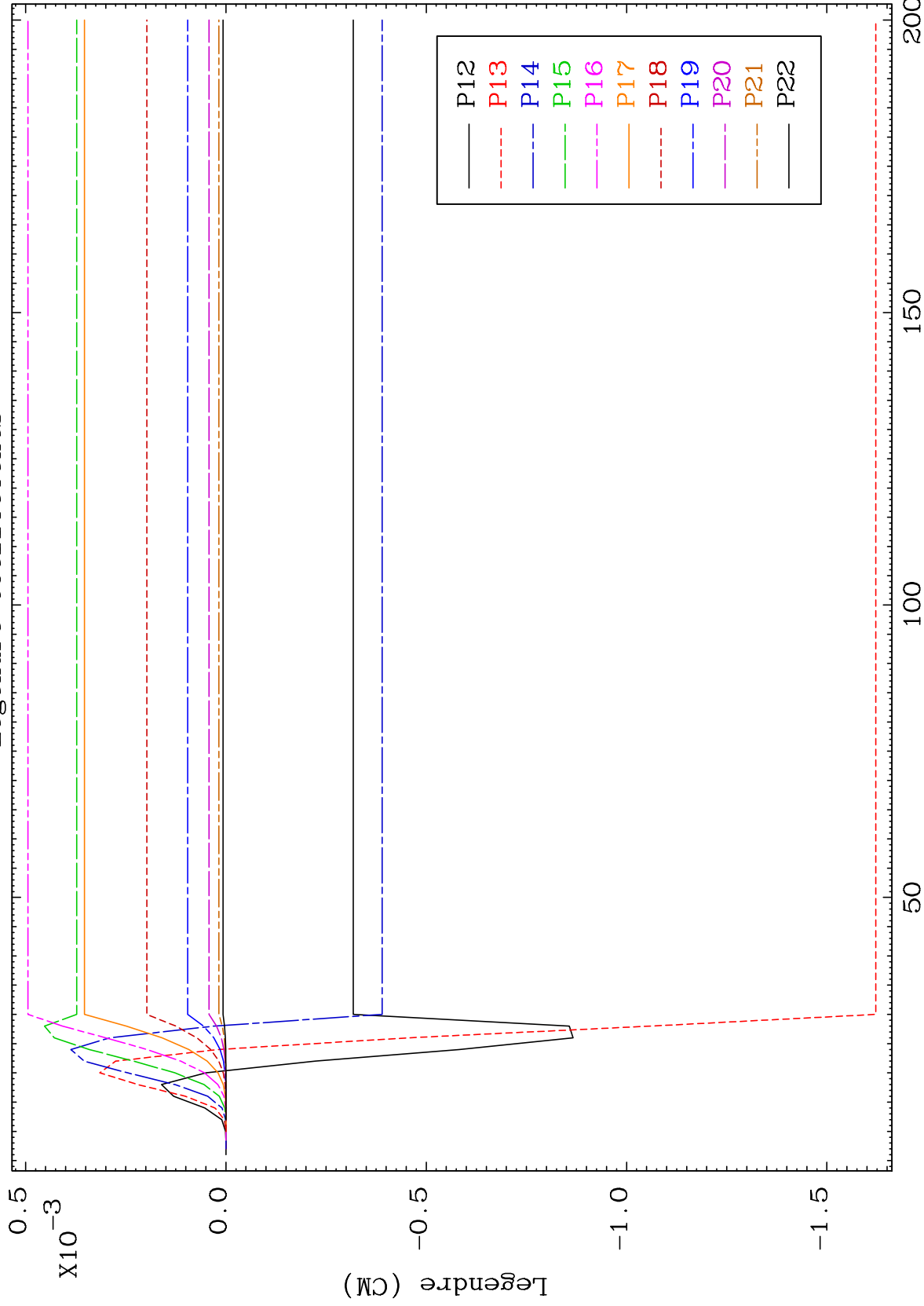
Incident Energy (MeV)

60

MAT 2437

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

24-Cr-54



61

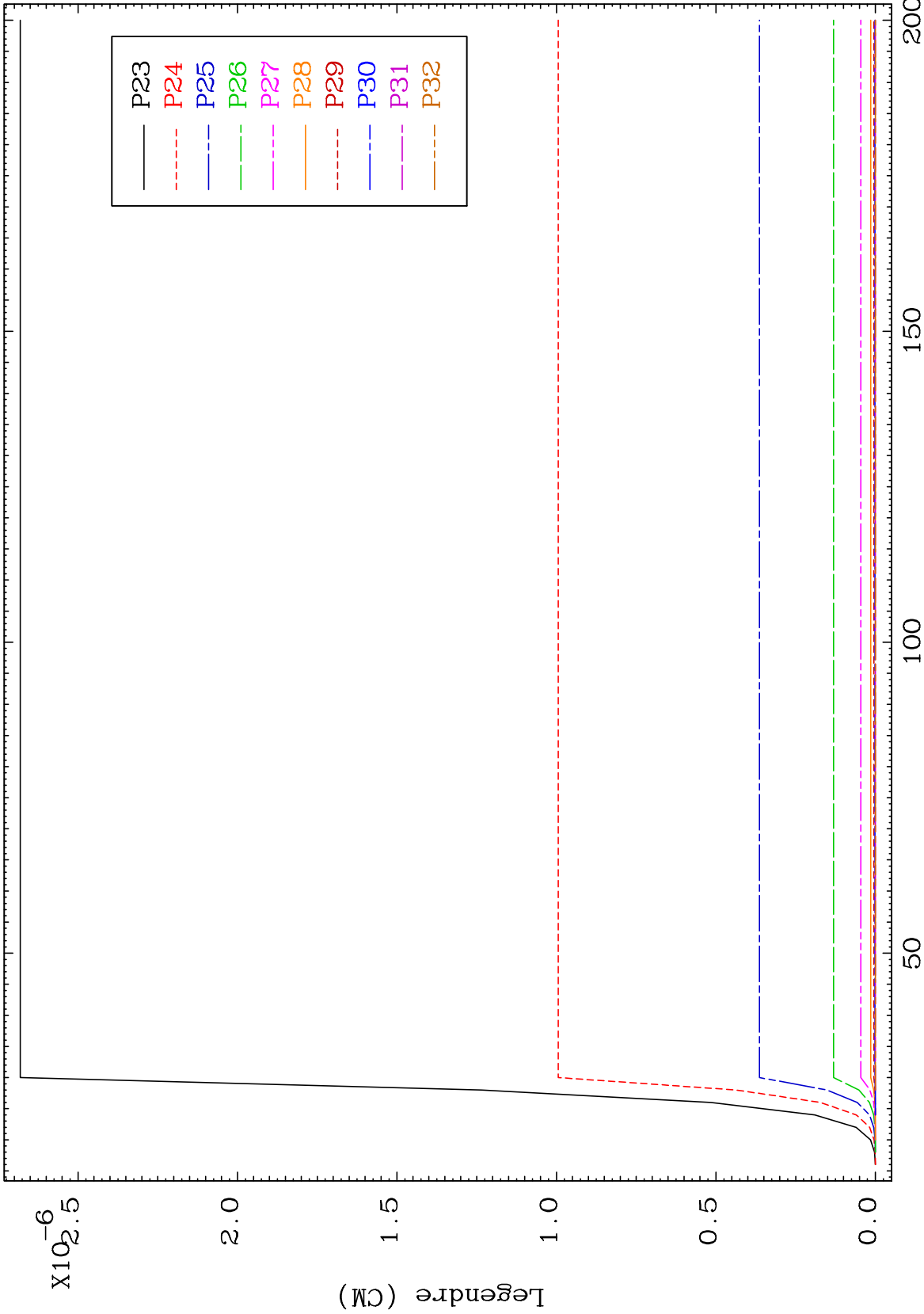
Incident Energy (MeV)

24-Cr-54

MAT 2437

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

24-Cr-54



62

Incident Energy (MeV)

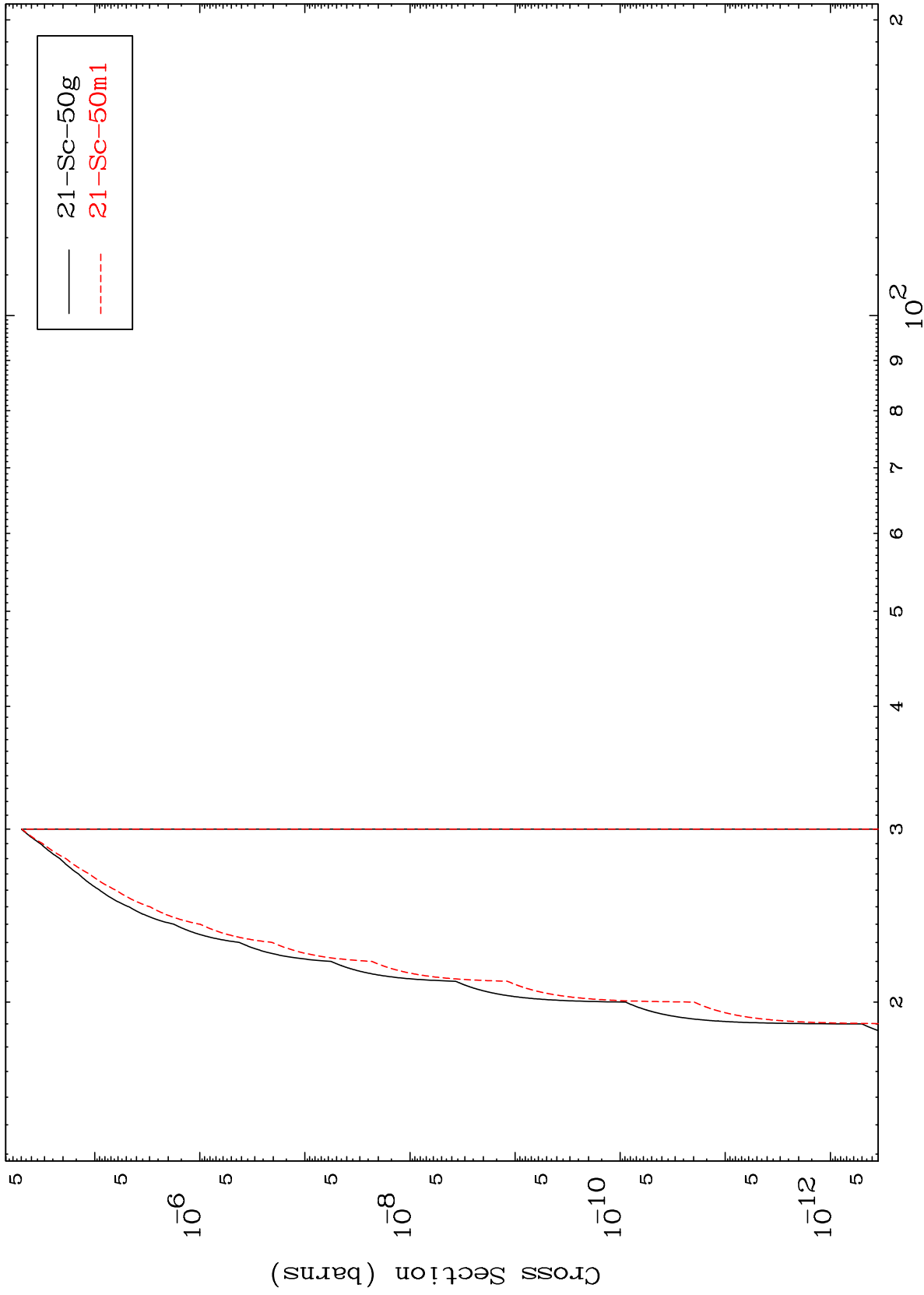
24-Cr-54

MAT 2437

(n,p) α

²⁴Cr-54

Radionuclide Production Cross Section



63

Incident Energy (MeV)

²⁴Cr-54