

Program EVALPLOT  
(Version 2017-1)

by

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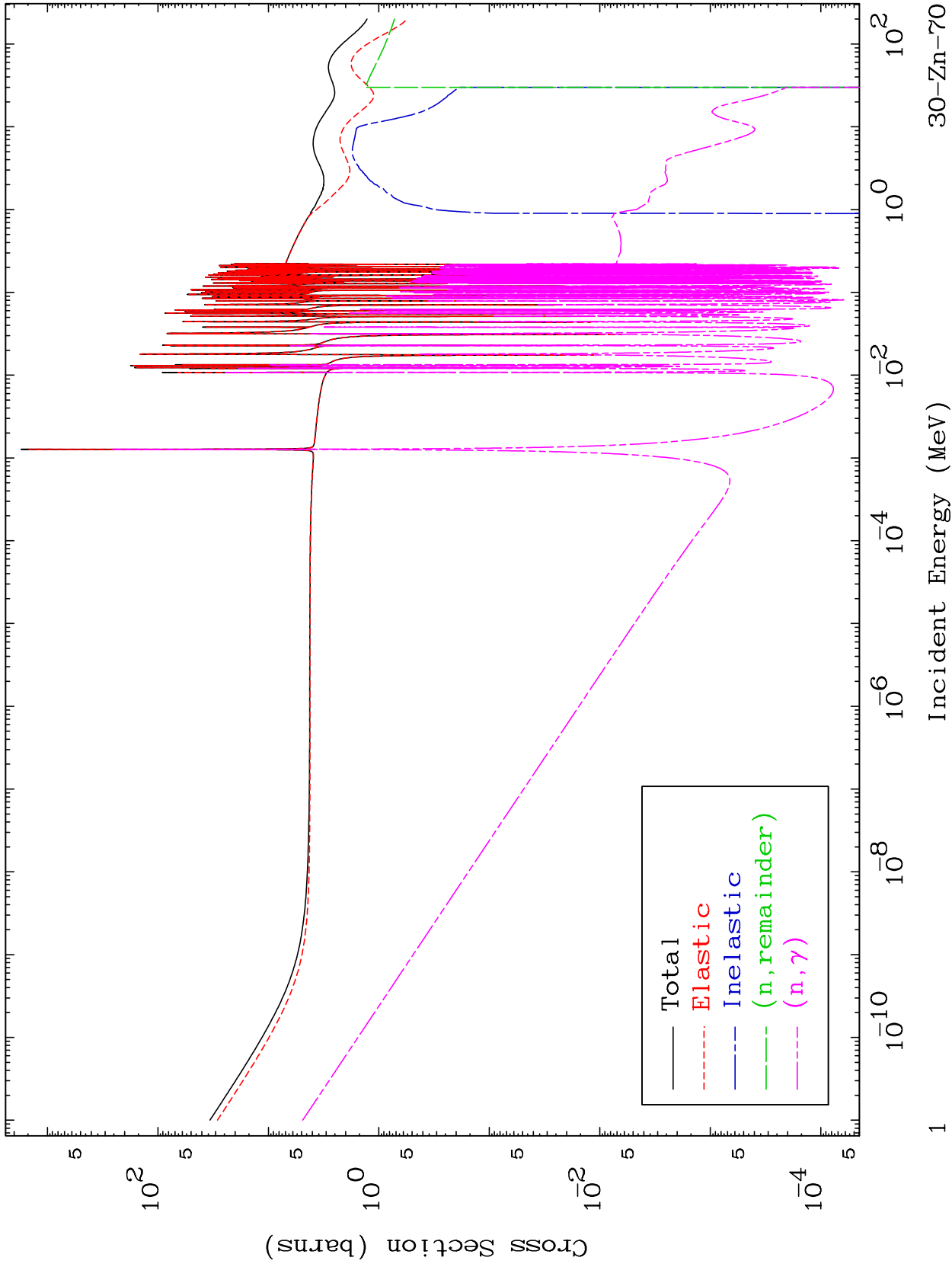
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3043

Major  
293 Kelvin Cross Sections

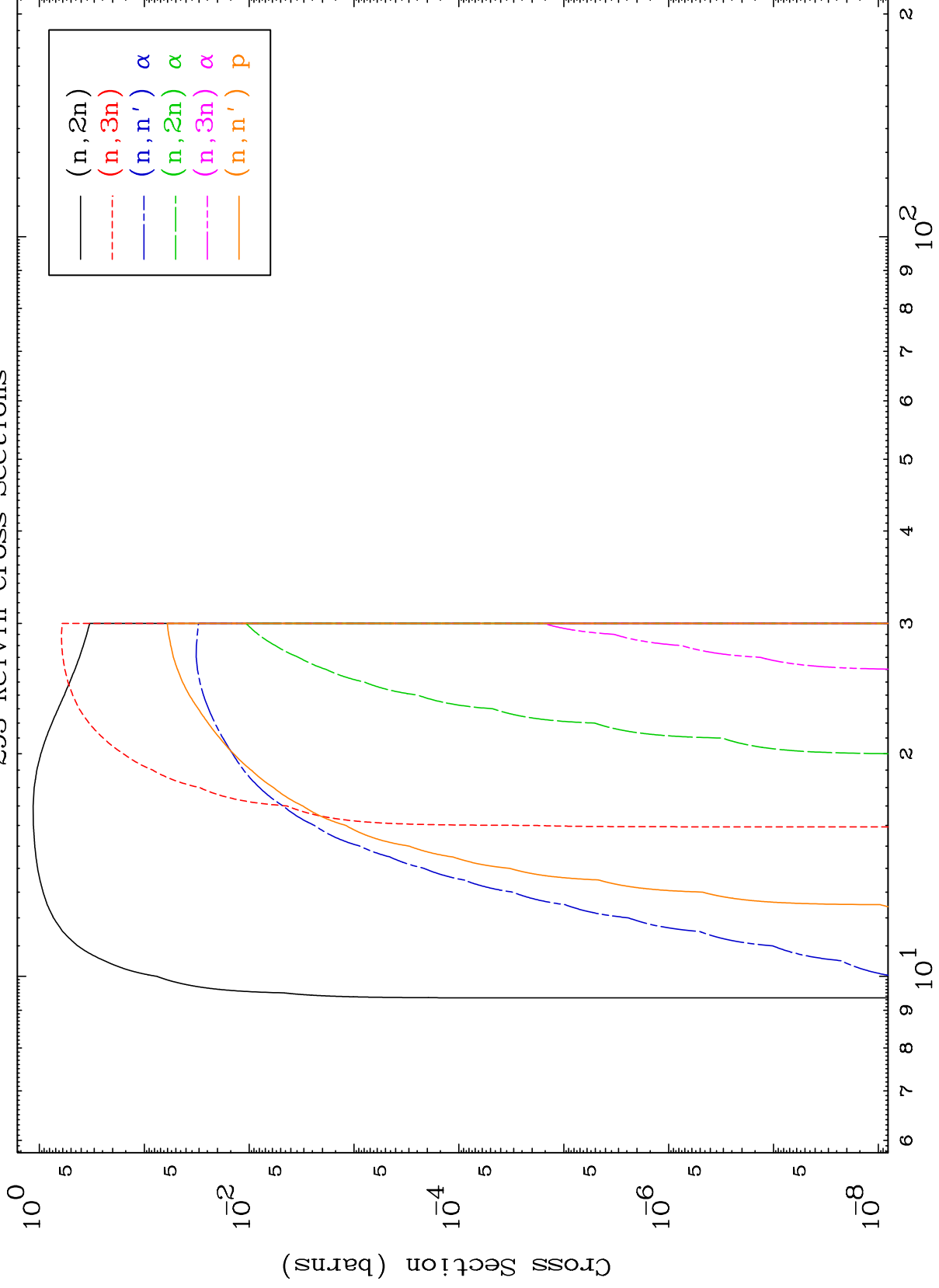
30-Zn-70



MAT 3043

Neutron Production  
293 Kelvin Cross Sections

30-Zn-70



2

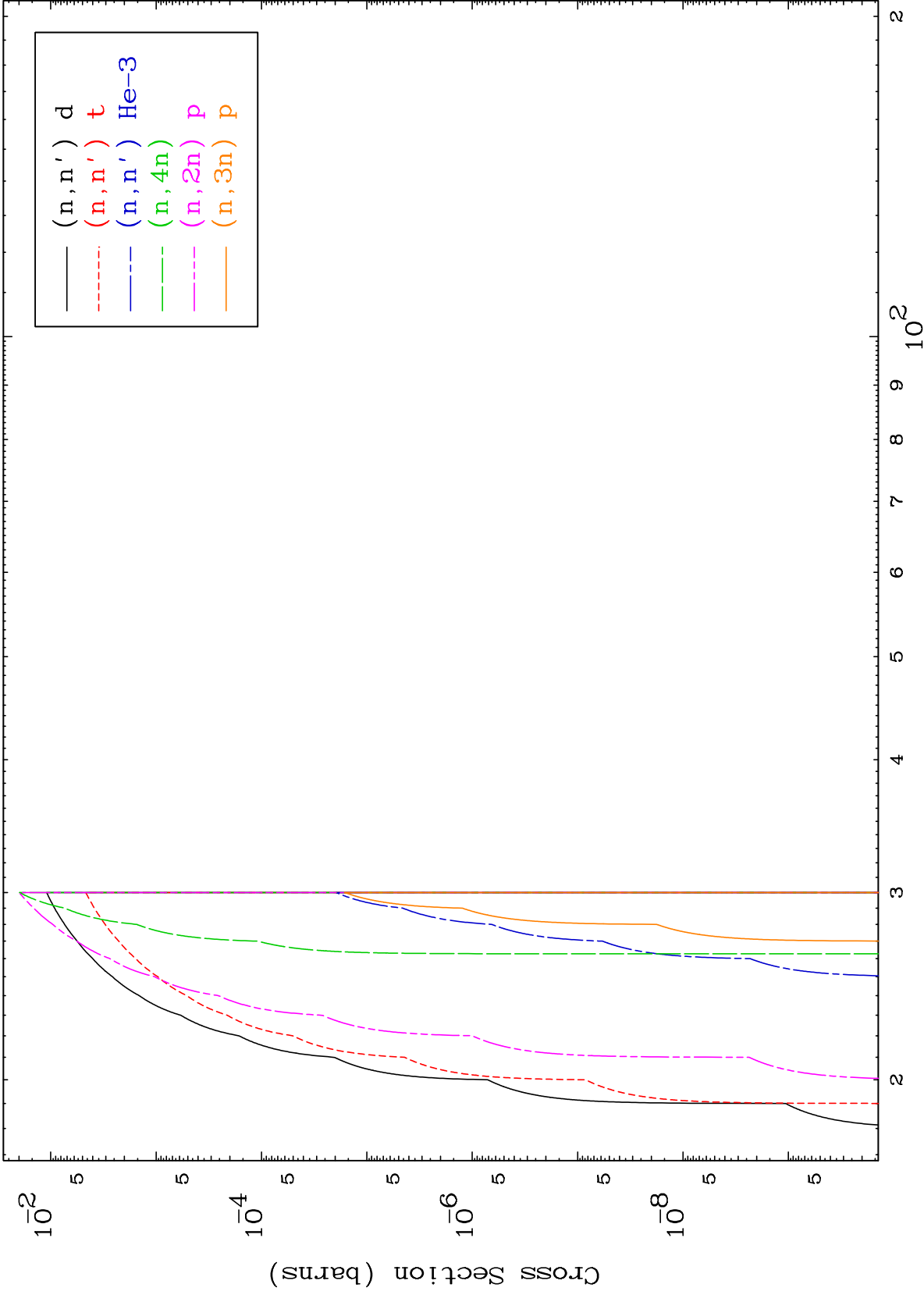
Incident Energy (MeV)

30-Zn-70

MAT 3043

Neutron Production  
293 Kelvin Cross Sections

30-Zn-70



3

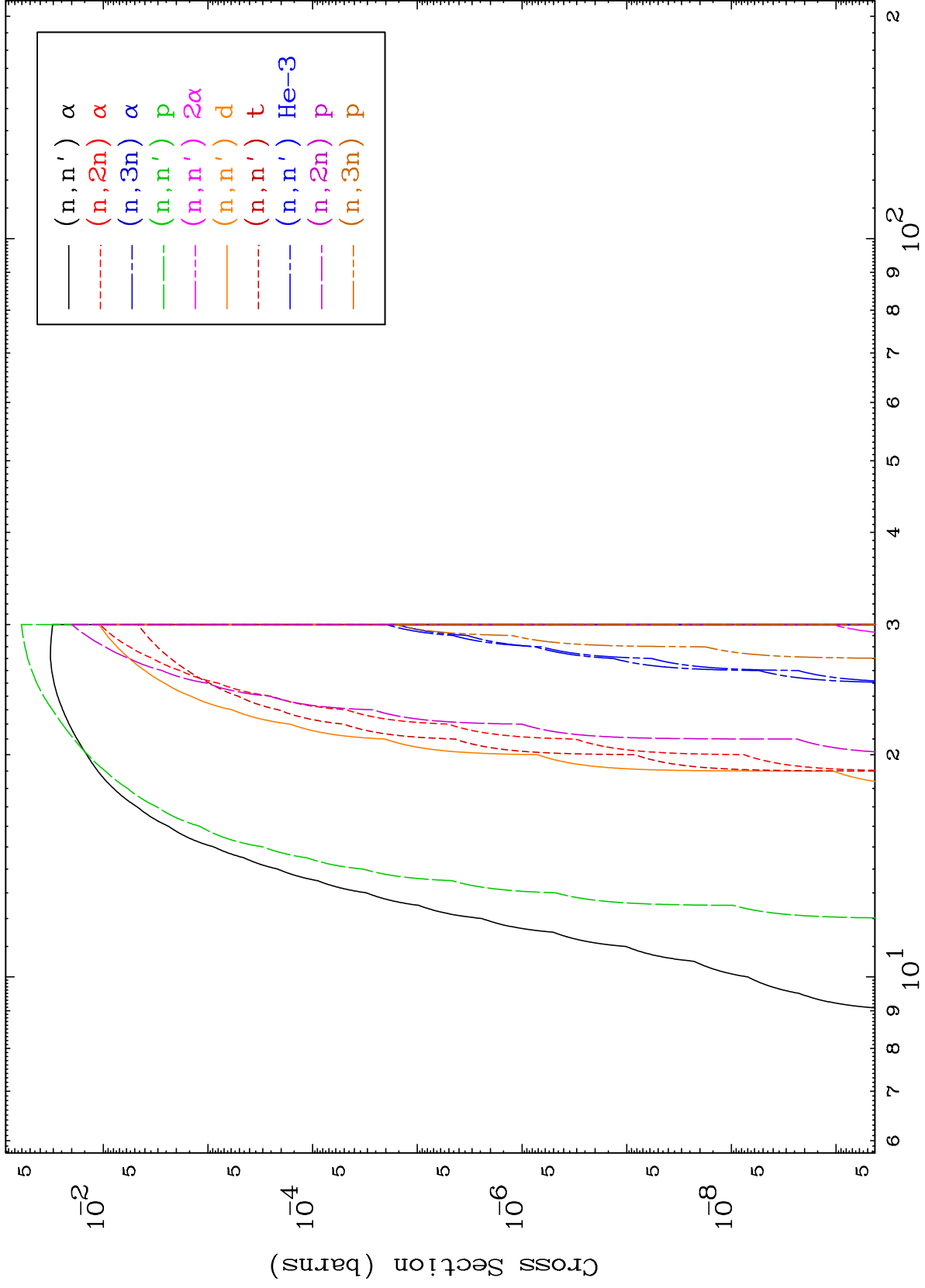
Incident Energy (MeV)

30-Zn-70

MAT 3043

Charged Particle  
293 Kelvin Cross Sections

30-Zn-70



4

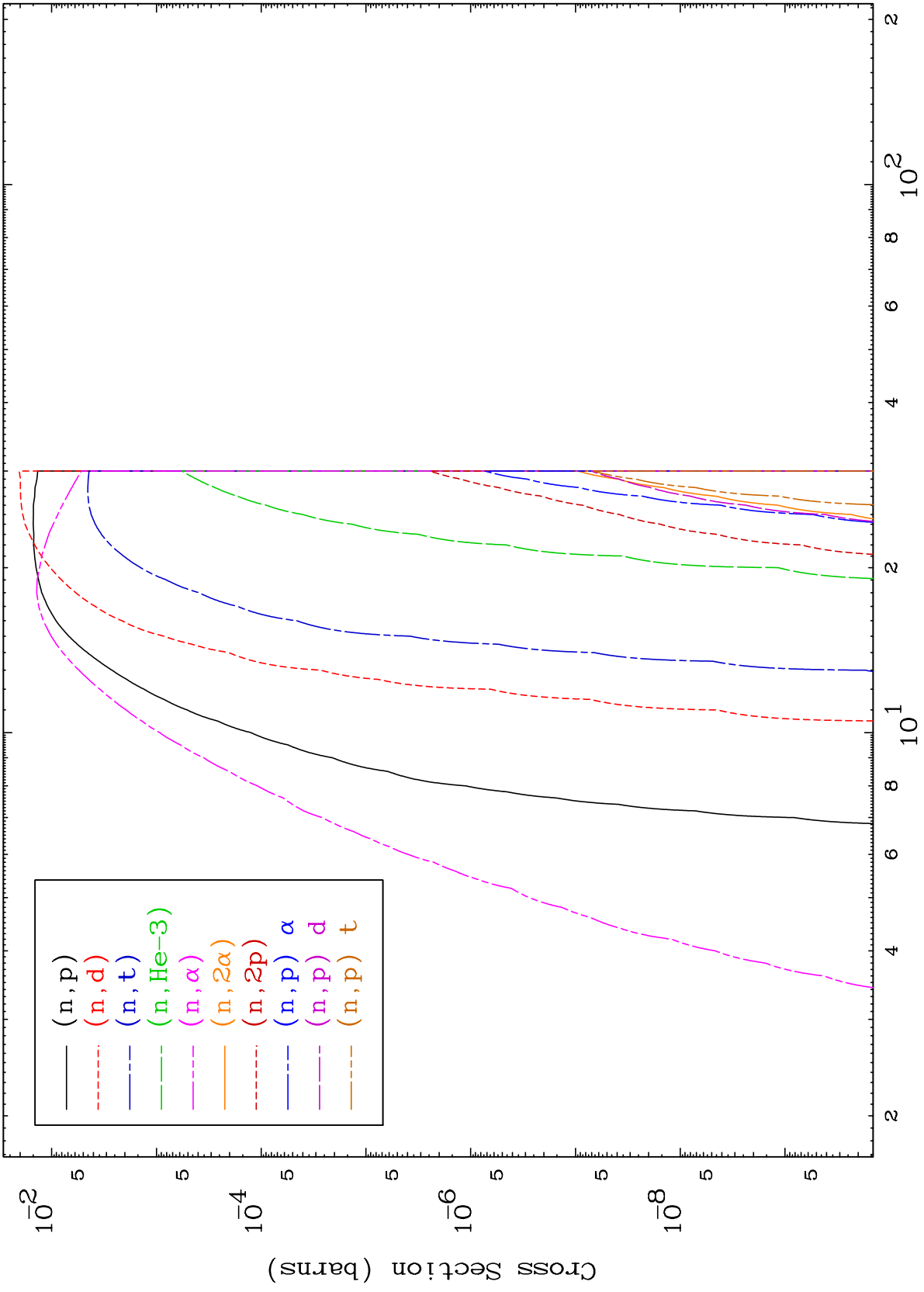
Incident Energy (MeV)

30-Zn-70

MAT 3043

Charged Particle  
293 Kelvin Cross Sections

30-Zn-70



5

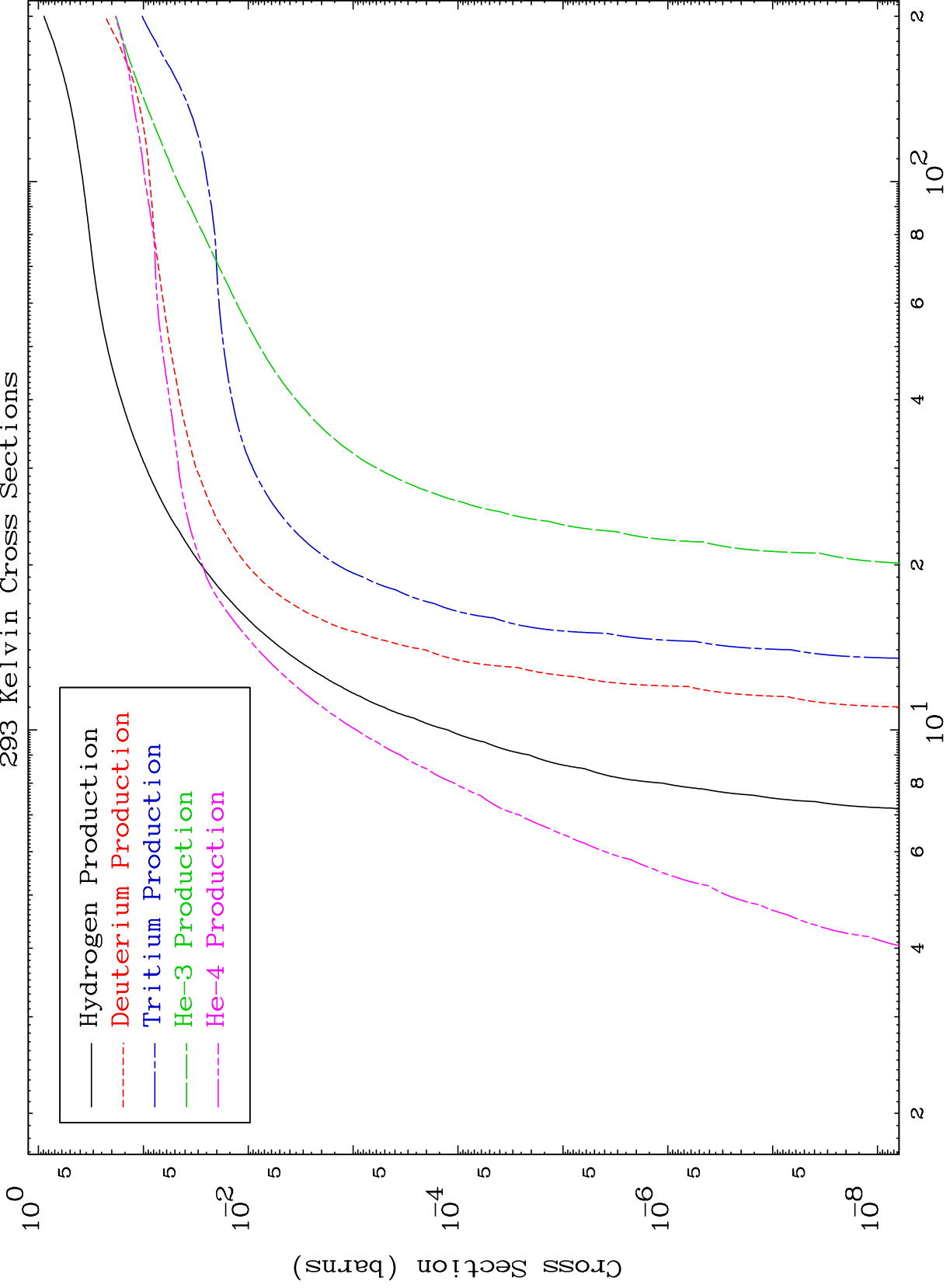
Incident Energy (MeV)

30-Zn-70

MAT 3043

Particle Production  
293 Kelvin Cross Sections

30-Zn-70



6

Incident Energy (MeV)

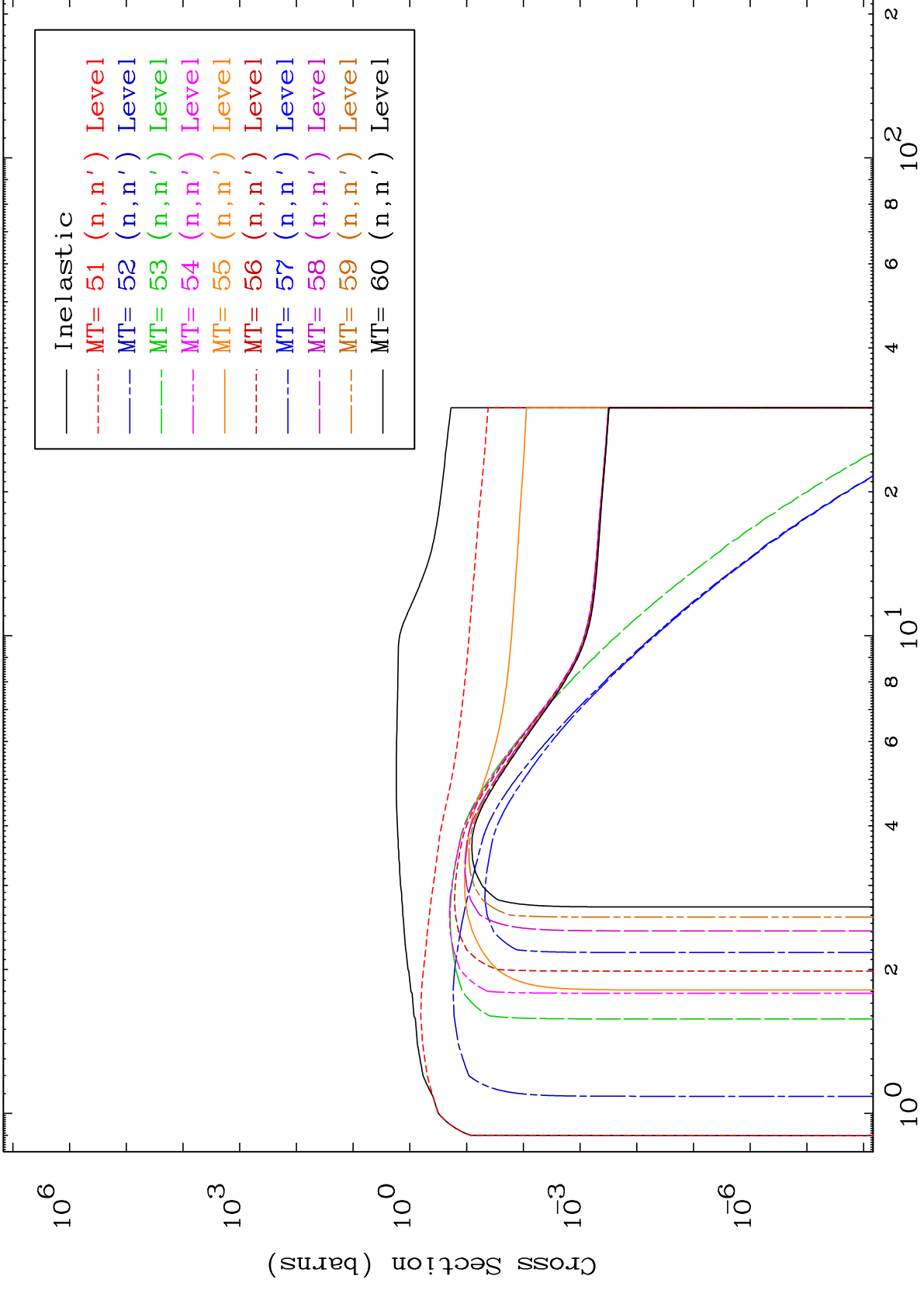
30-Zn-70

MAT 3043

(n,n') Level

30-Zn-70

293 Kelvin Cross Sections



Incident Energy (MeV)

30-Zn-70

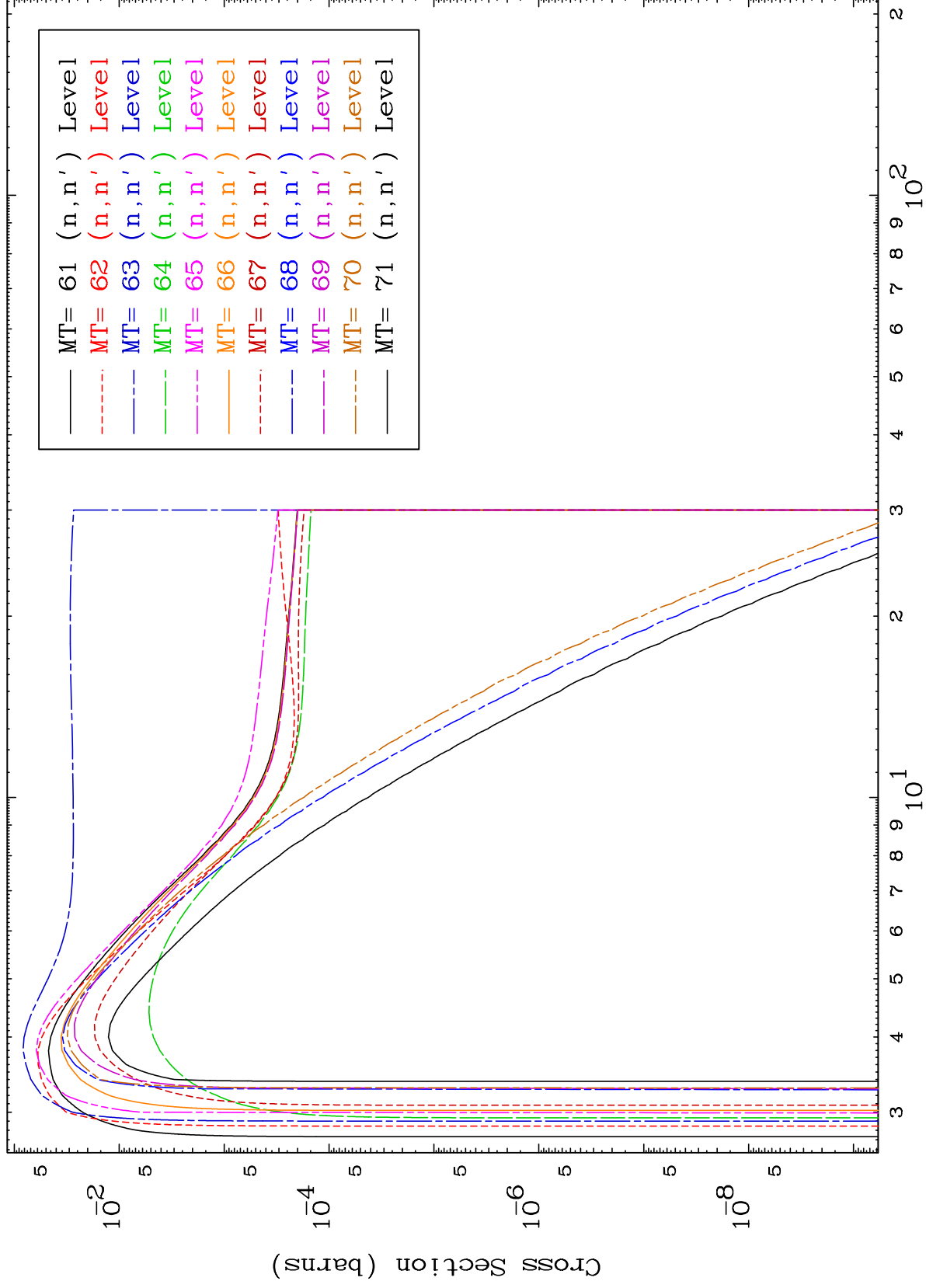


MAT 3043

(n,n') Level

30-Zn-70

293 Kelvin Cross Sections



8

Incident Energy (MeV)

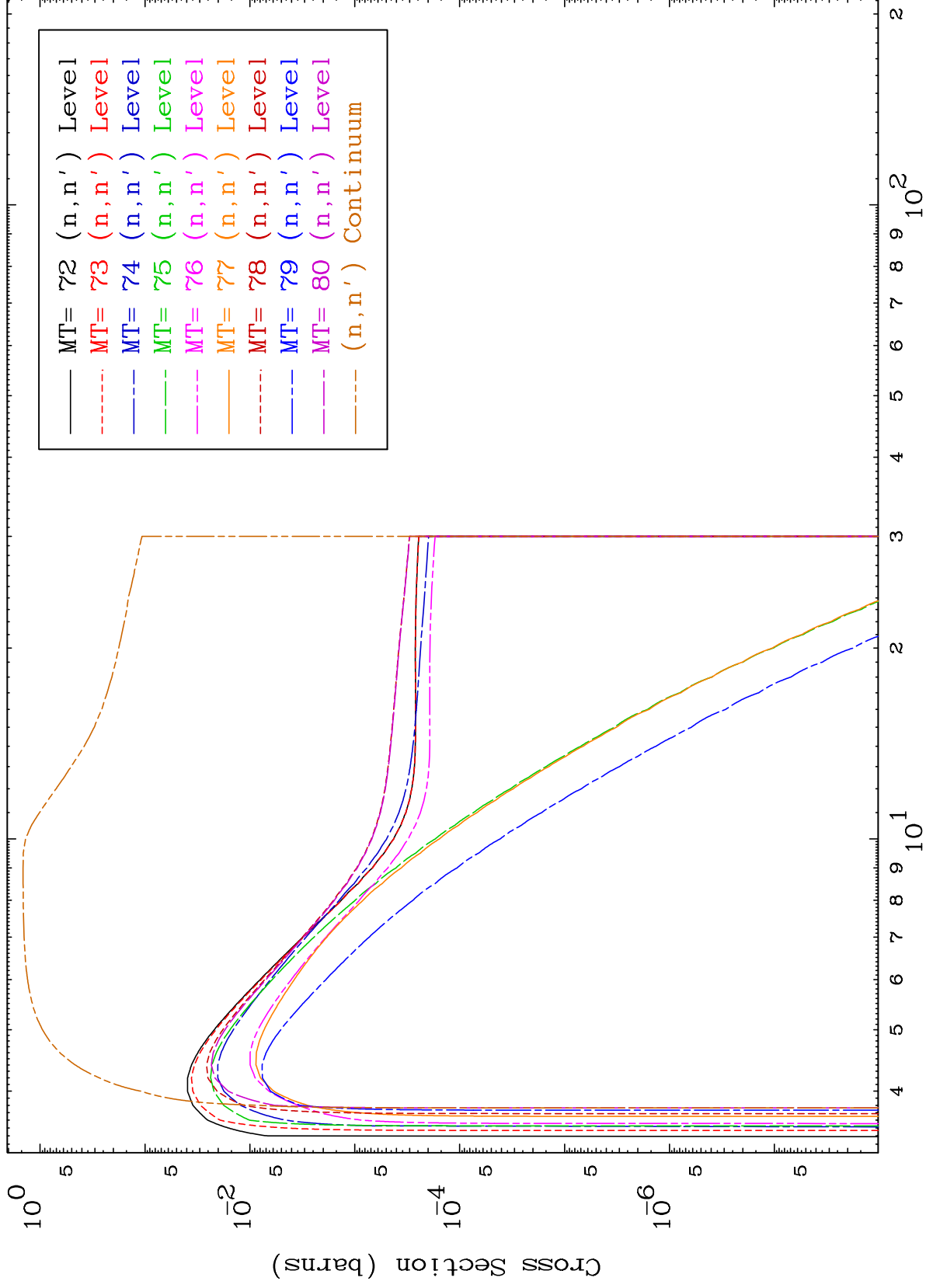
30-Zn-70

MAT 3043

(n,n') Level

30-Zn-70

293 Kelvin Cross Sections



9

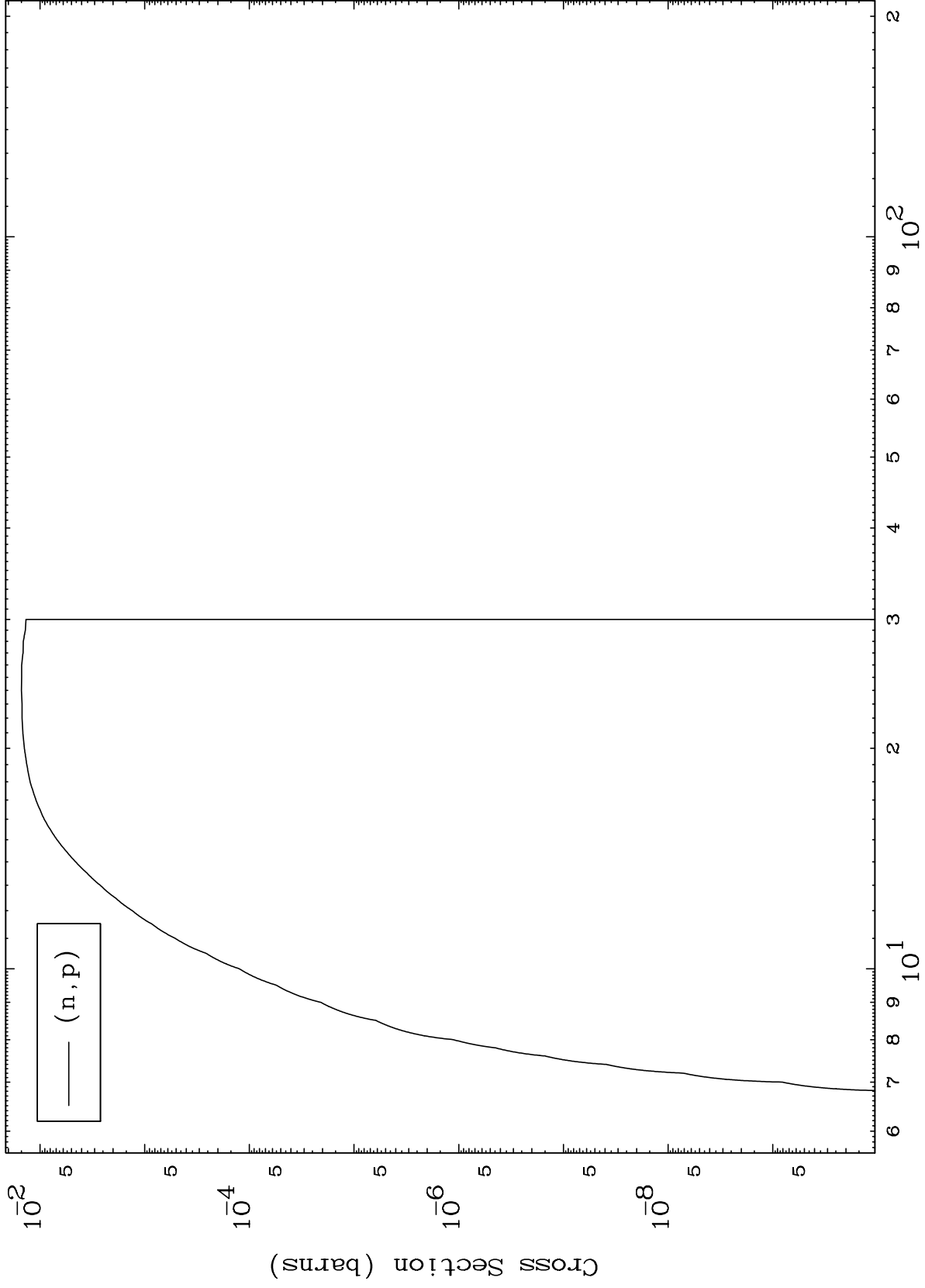
Incident Energy (MeV)

30-Zn-70

MAT 3043

(n,p) Levels  
293 Kelvin Cross Sections

30-Zn-70



10

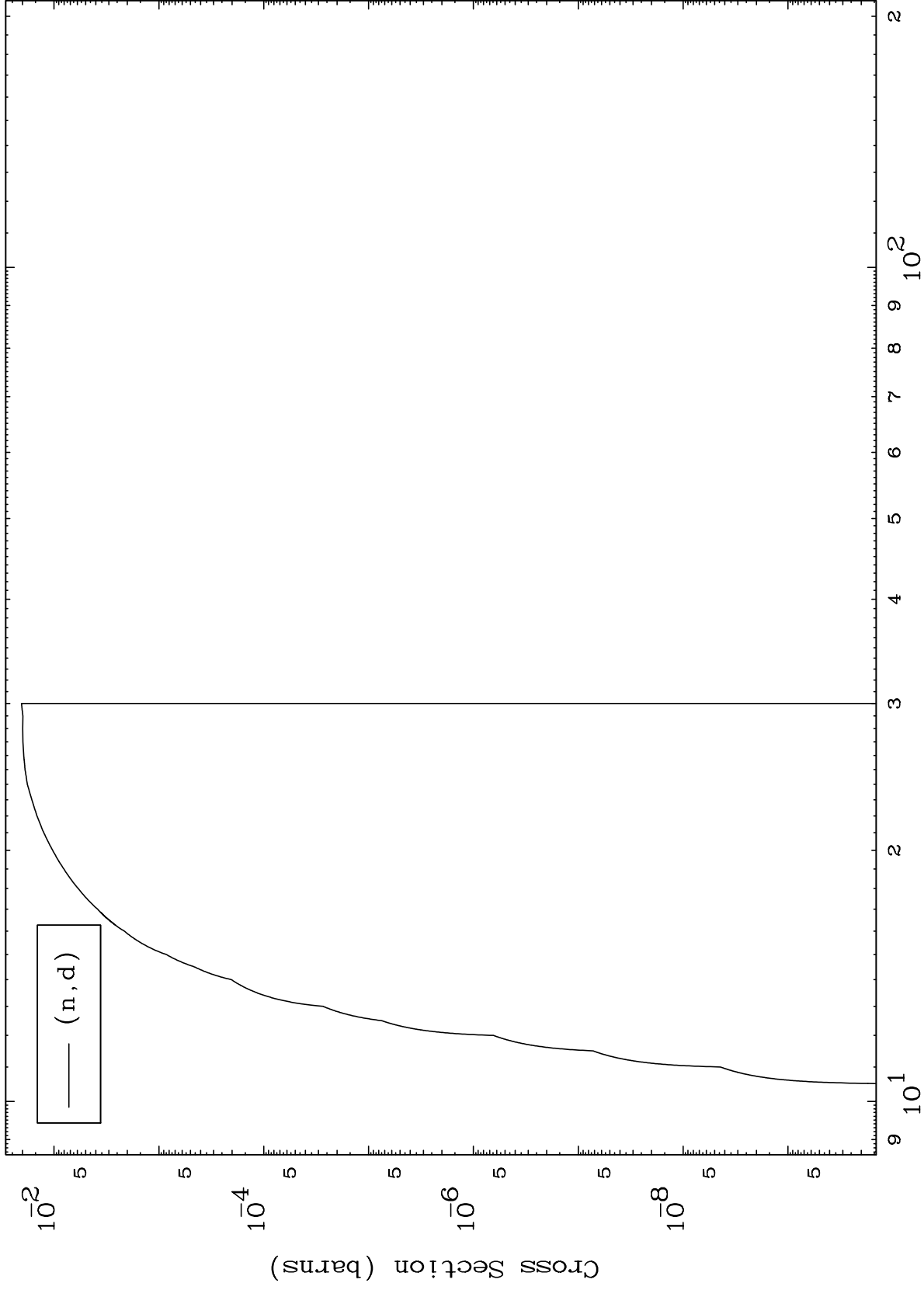
Incident Energy (MeV)

30-Zn-70

MAT 3043

(n,d) Levels  
293 Kelvin Cross Sections

30-Zn-70



11

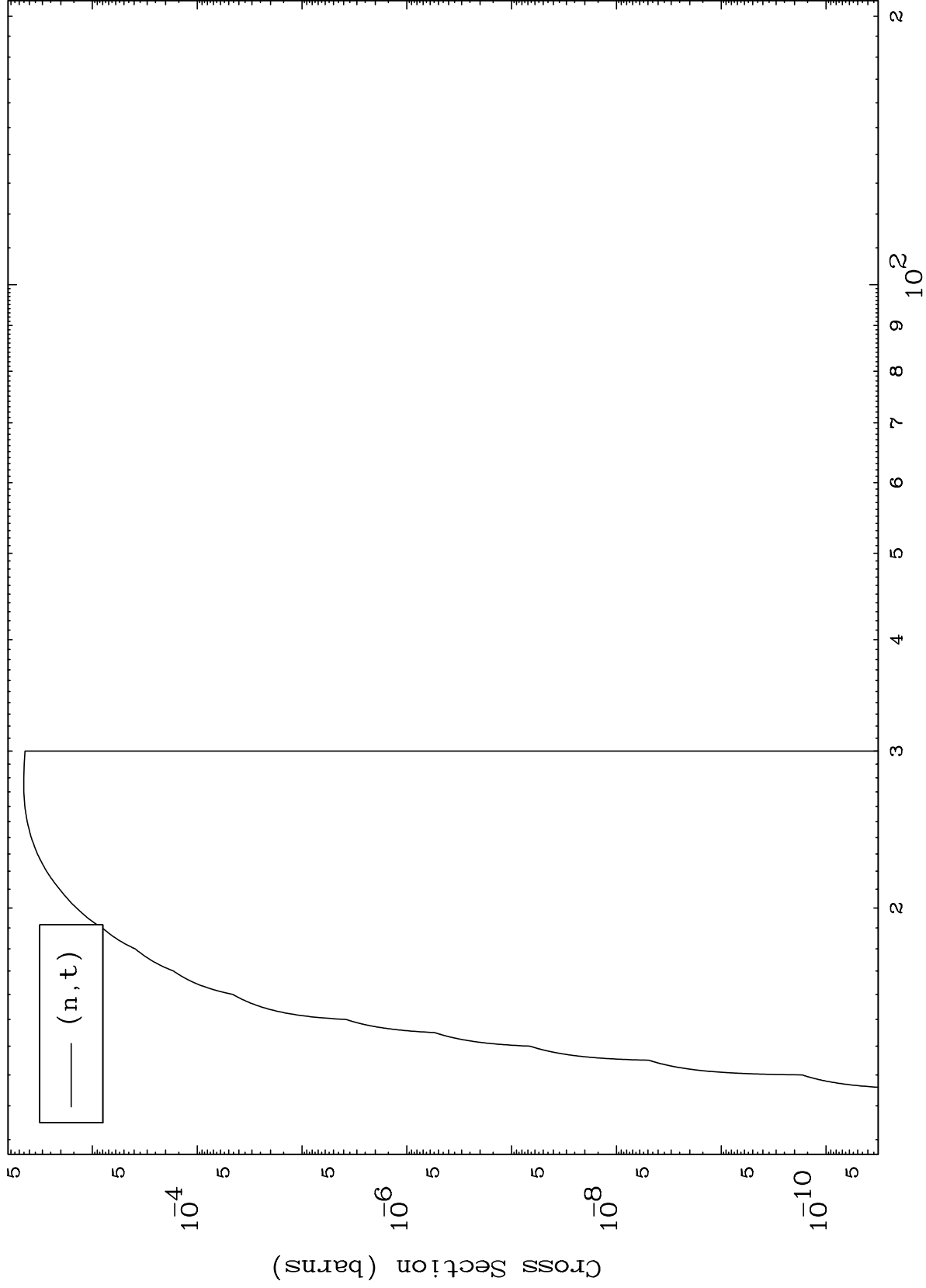
Incident Energy (MeV)

30-Zn-70

MAT 3043

(n,t) Levels  
293 Kelvin Cross Sections

30-Zn-70



12

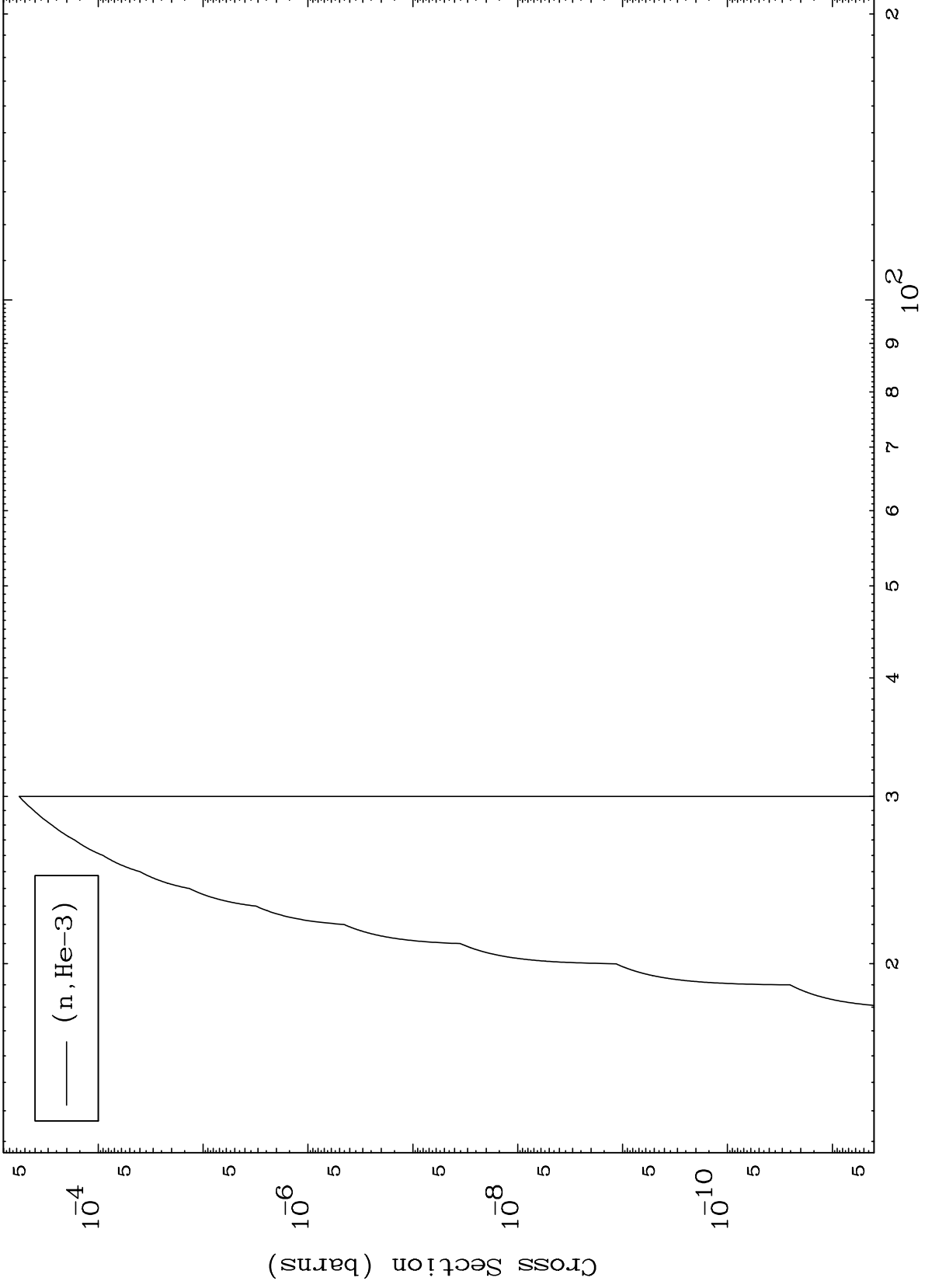
Incident Energy (MeV)

30-Zn-70

MAT 3043

(n,He3) Levels  
293 Kelvin Cross Sections

30-Zn-70



13

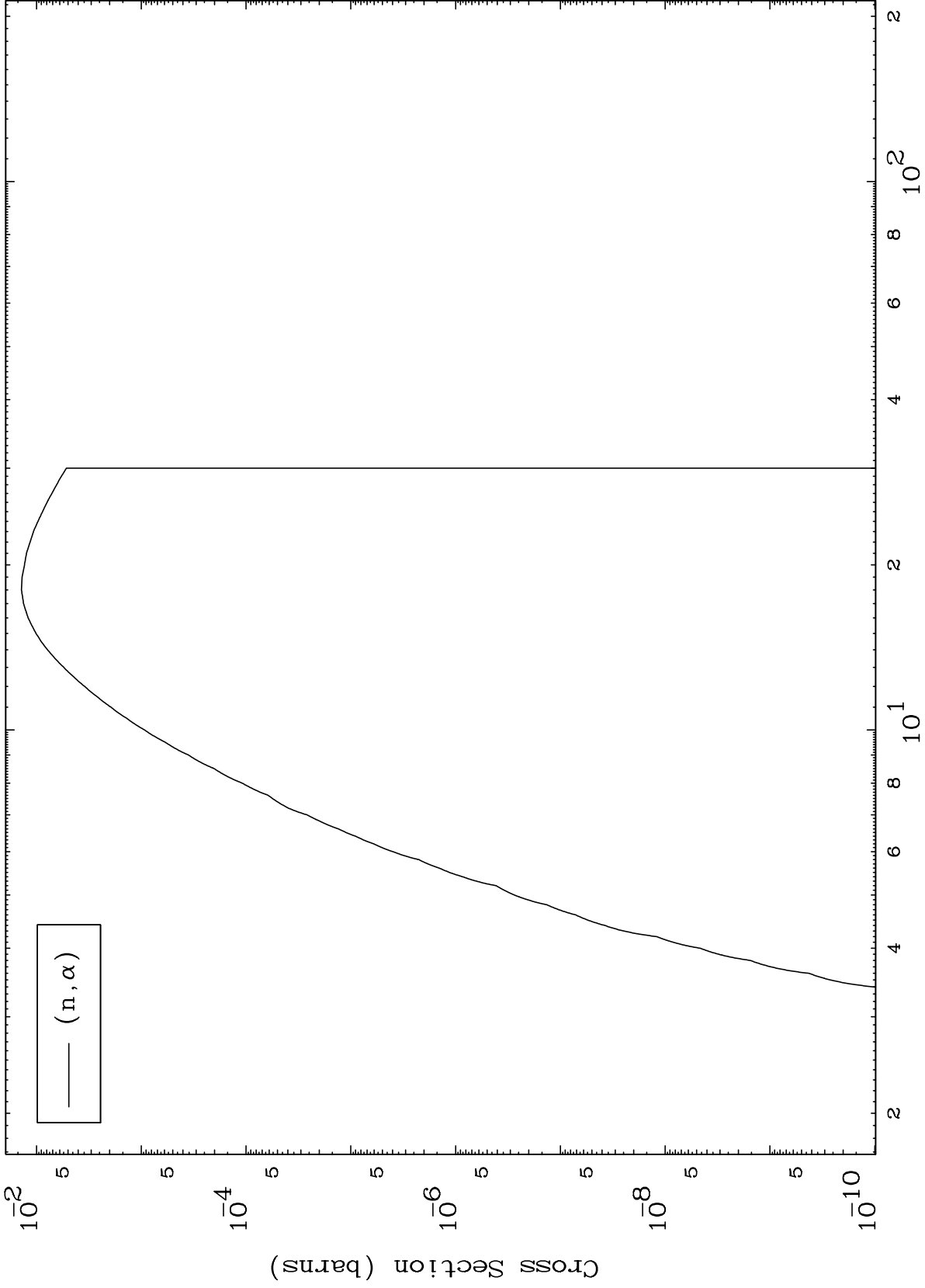
Incident Energy (MeV)

30-Zn-70

MAT 3043

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

30-Zn-70



14

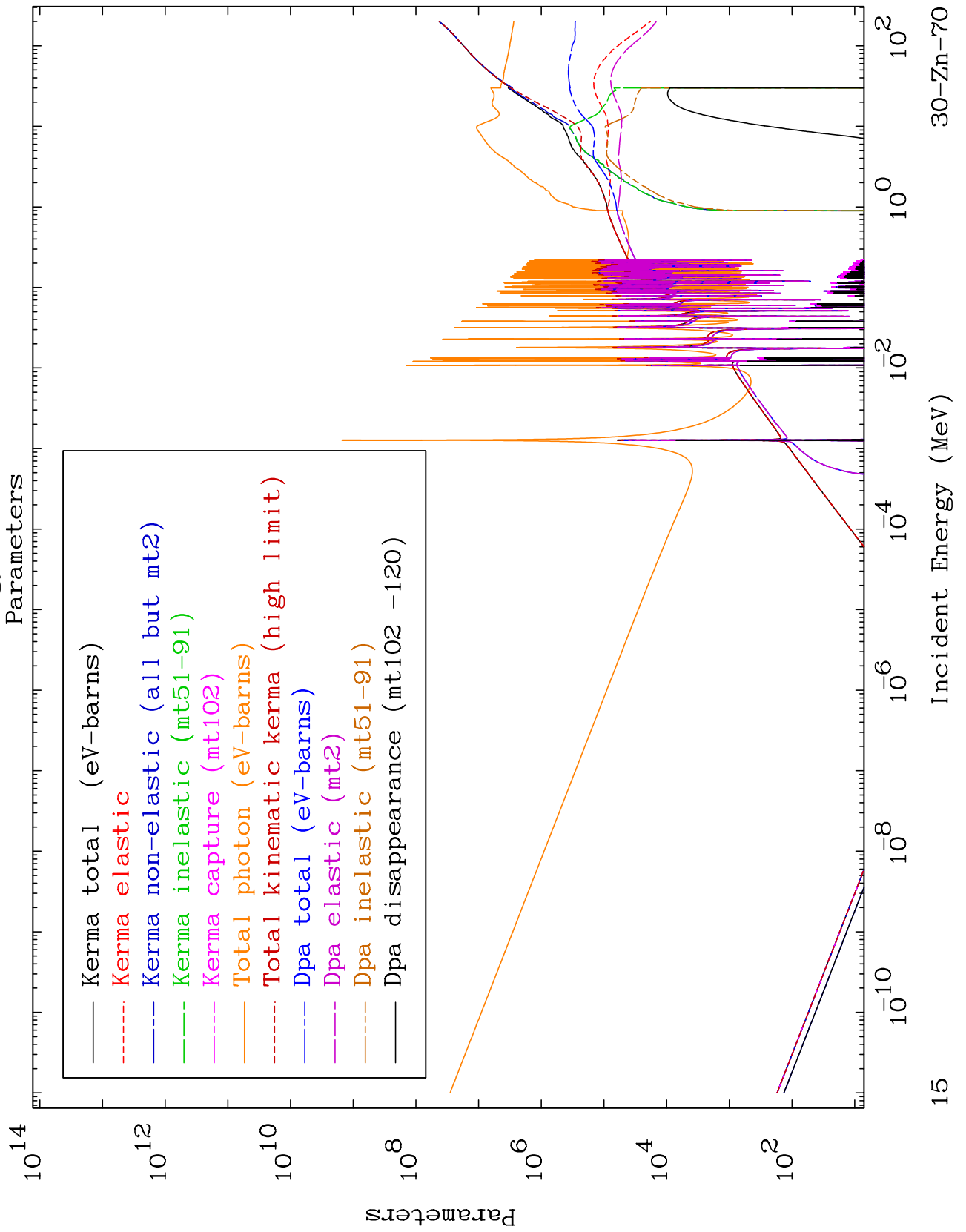
Incident Energy (MeV)

30-Zn-70

MAT 3043

Energy Release  
Parameters

30-Zn-70

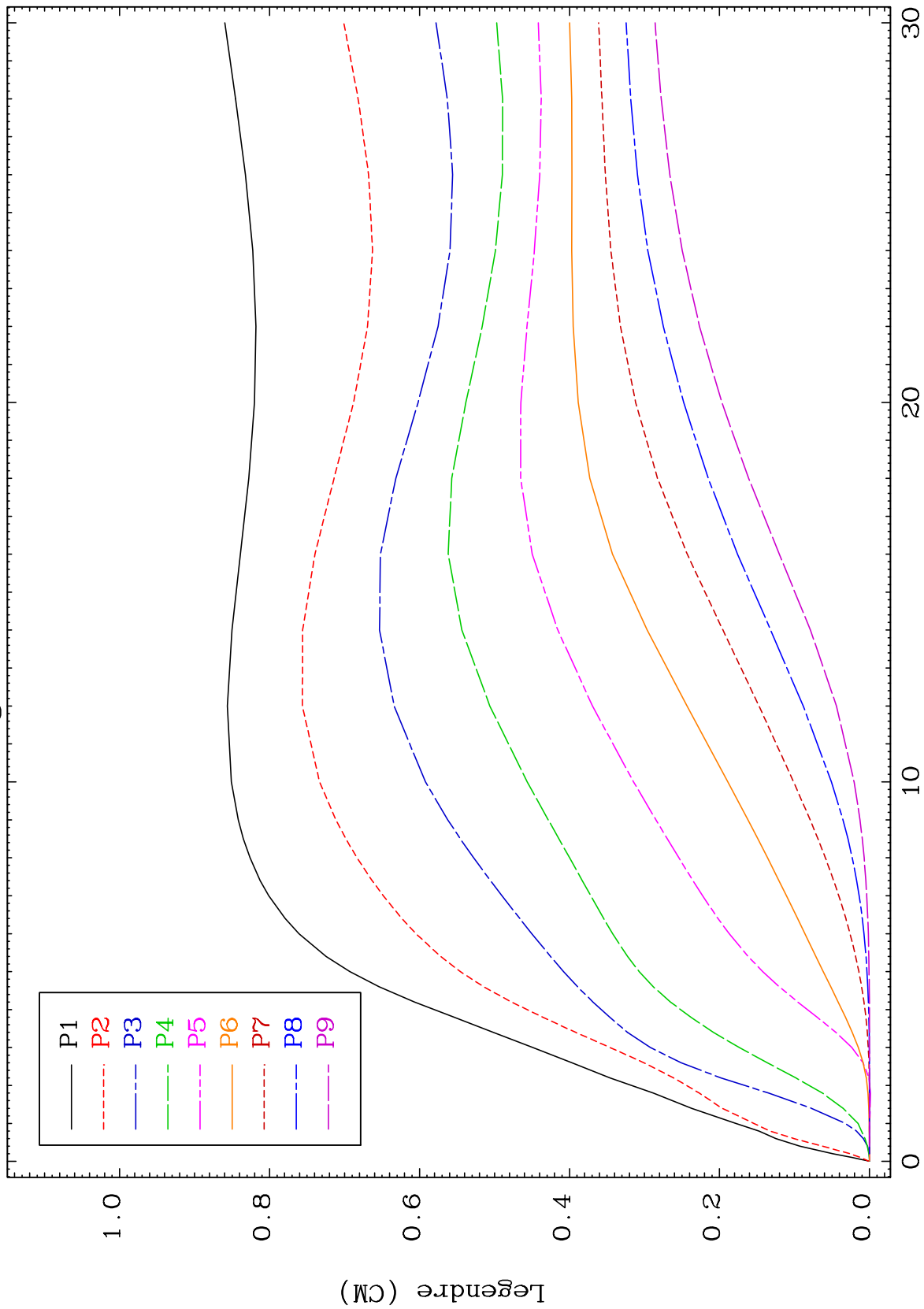




MAT 3043

Elastic Legendre Coefficients

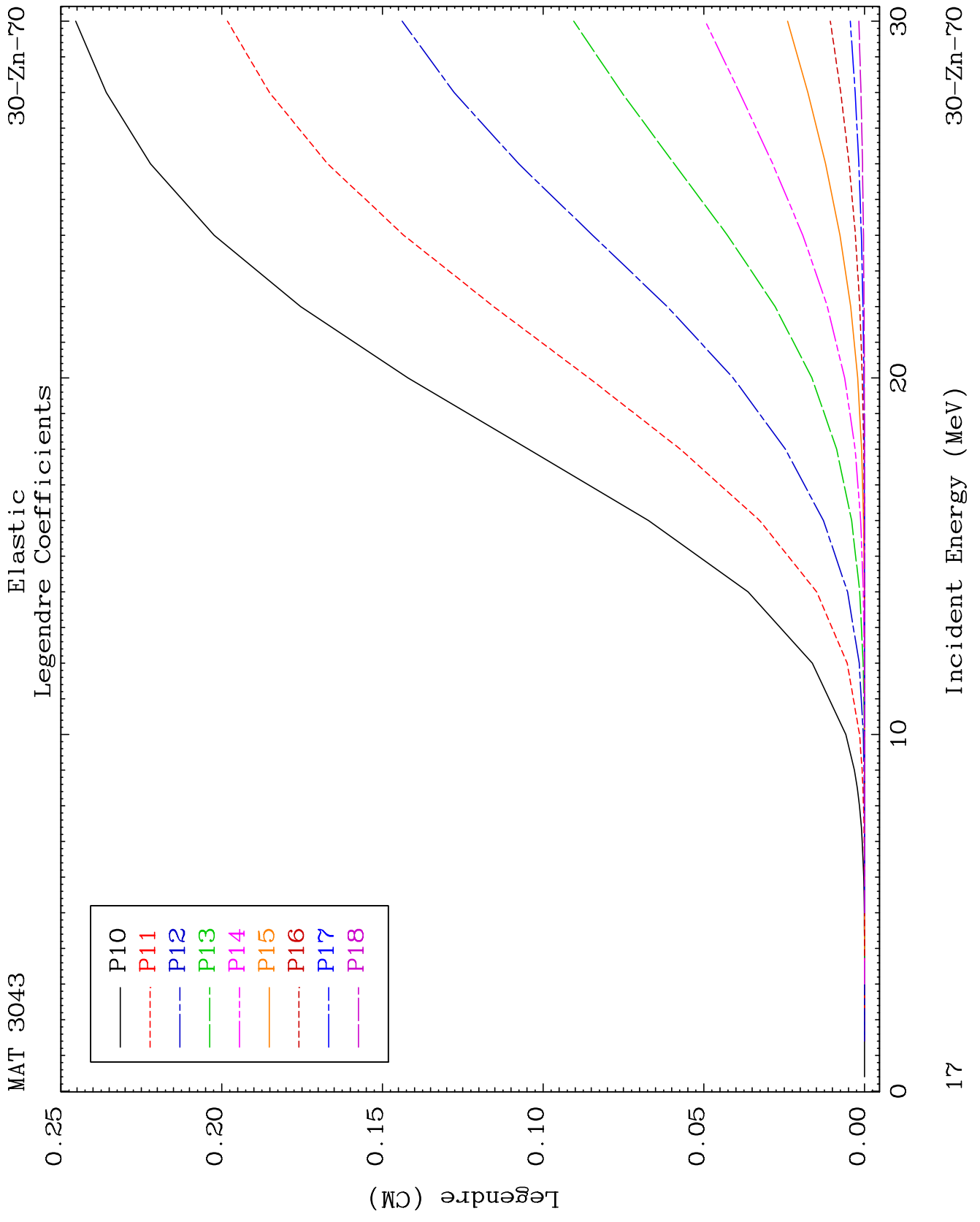
30-Zn-70



16

Incident Energy (MeV)

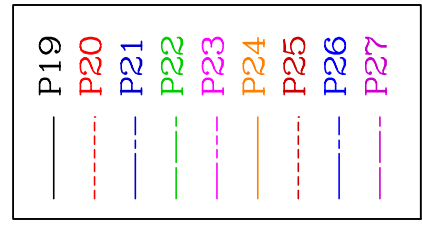
30-Zn-70



MAT 3043

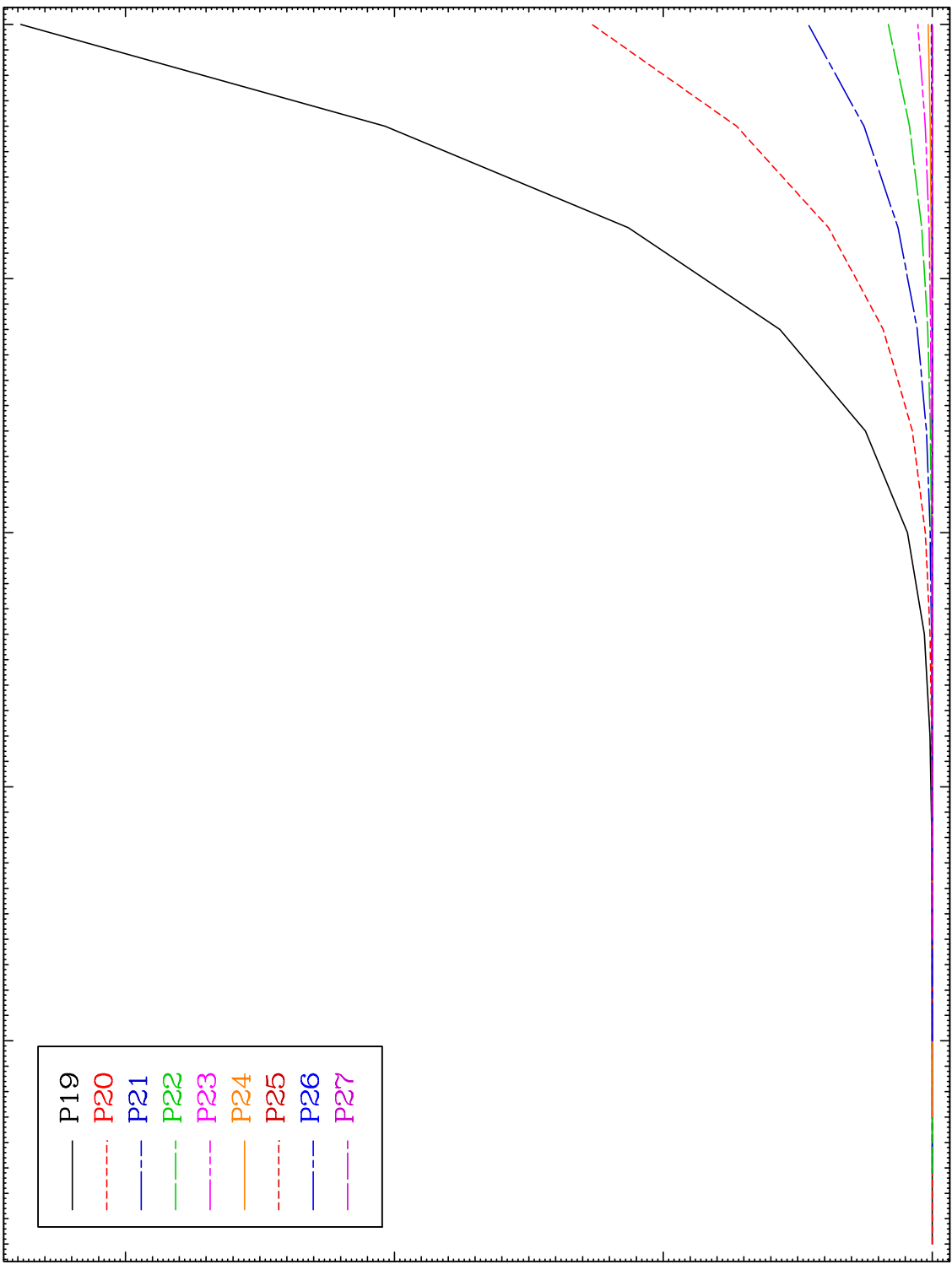
Elastic Legendre Coefficients

30-Zn-70



$\times 10^{-4}$

Legendre (CM)



30

25

20

15

10

18

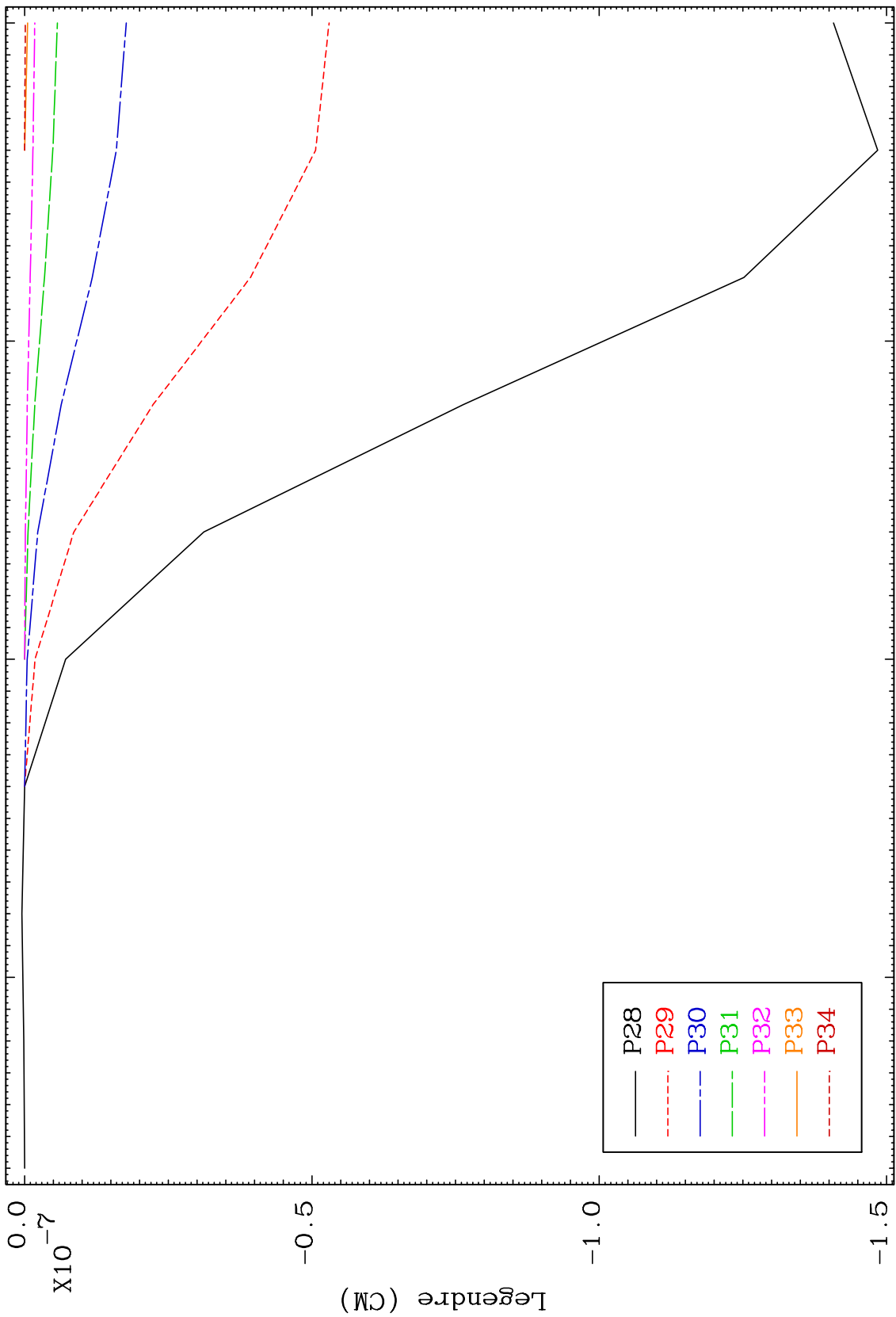
Incident Energy (MeV)

30-Zn-70

MAT 3043

30-Zn-70

Elastic Legendre Coefficients

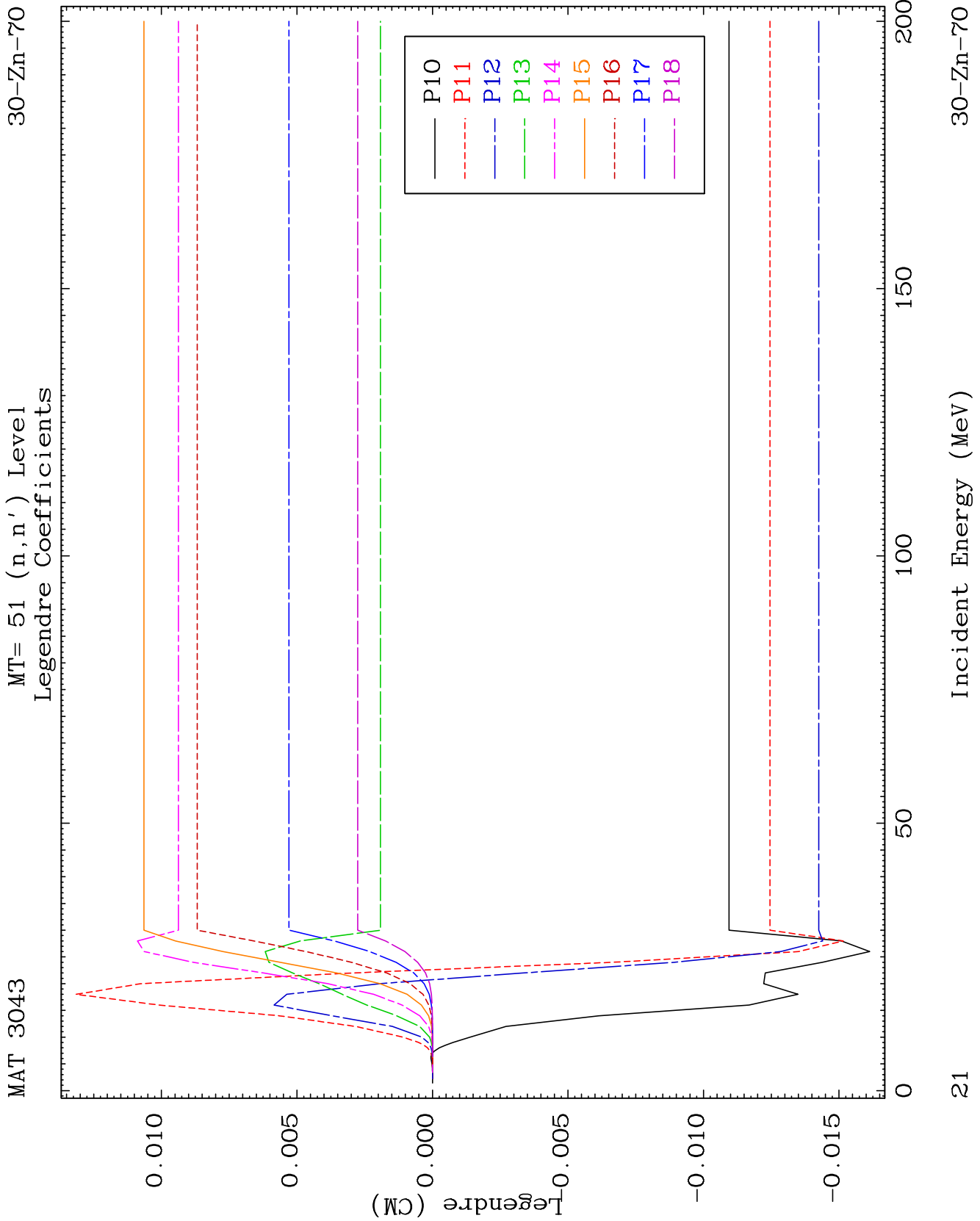


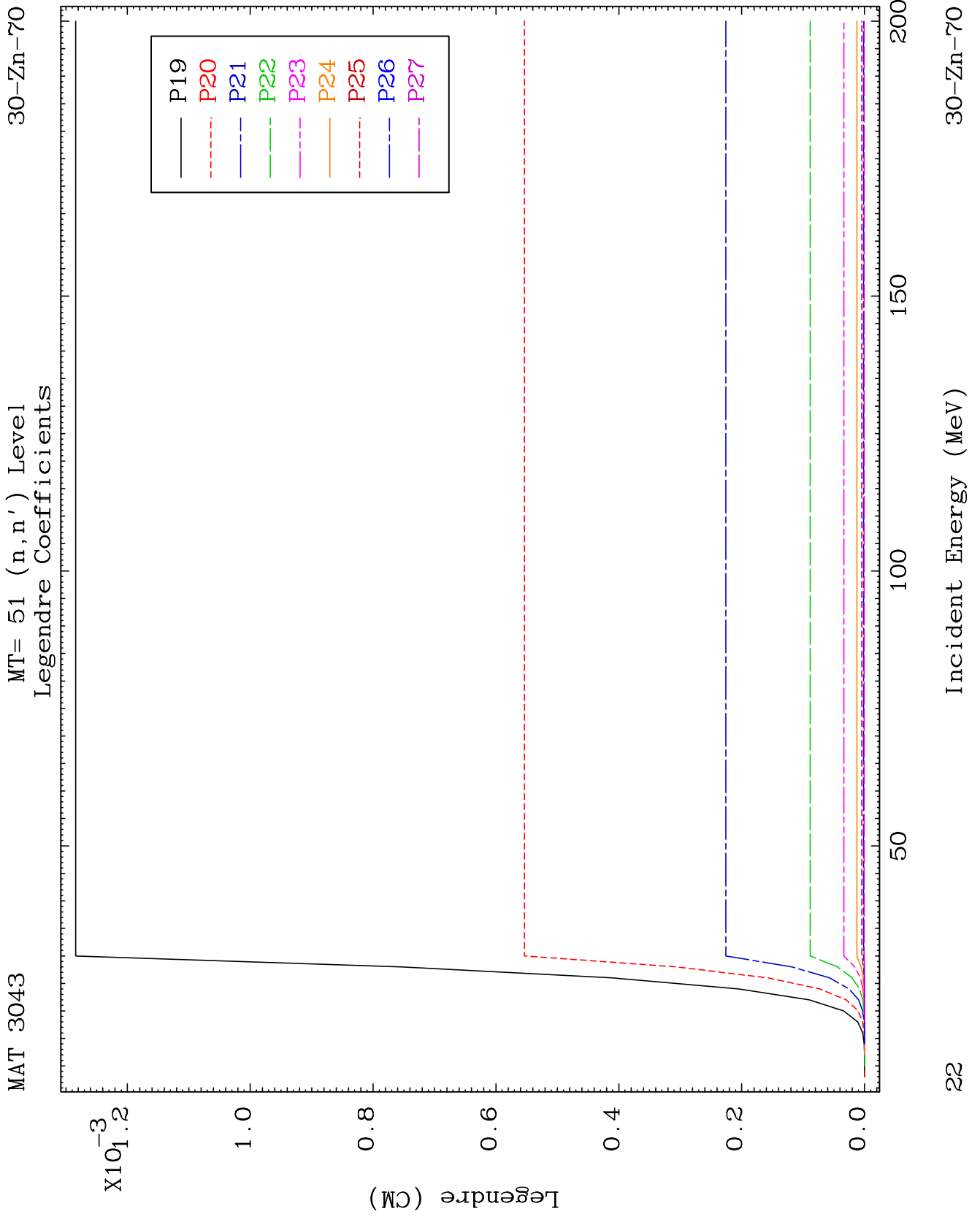
19

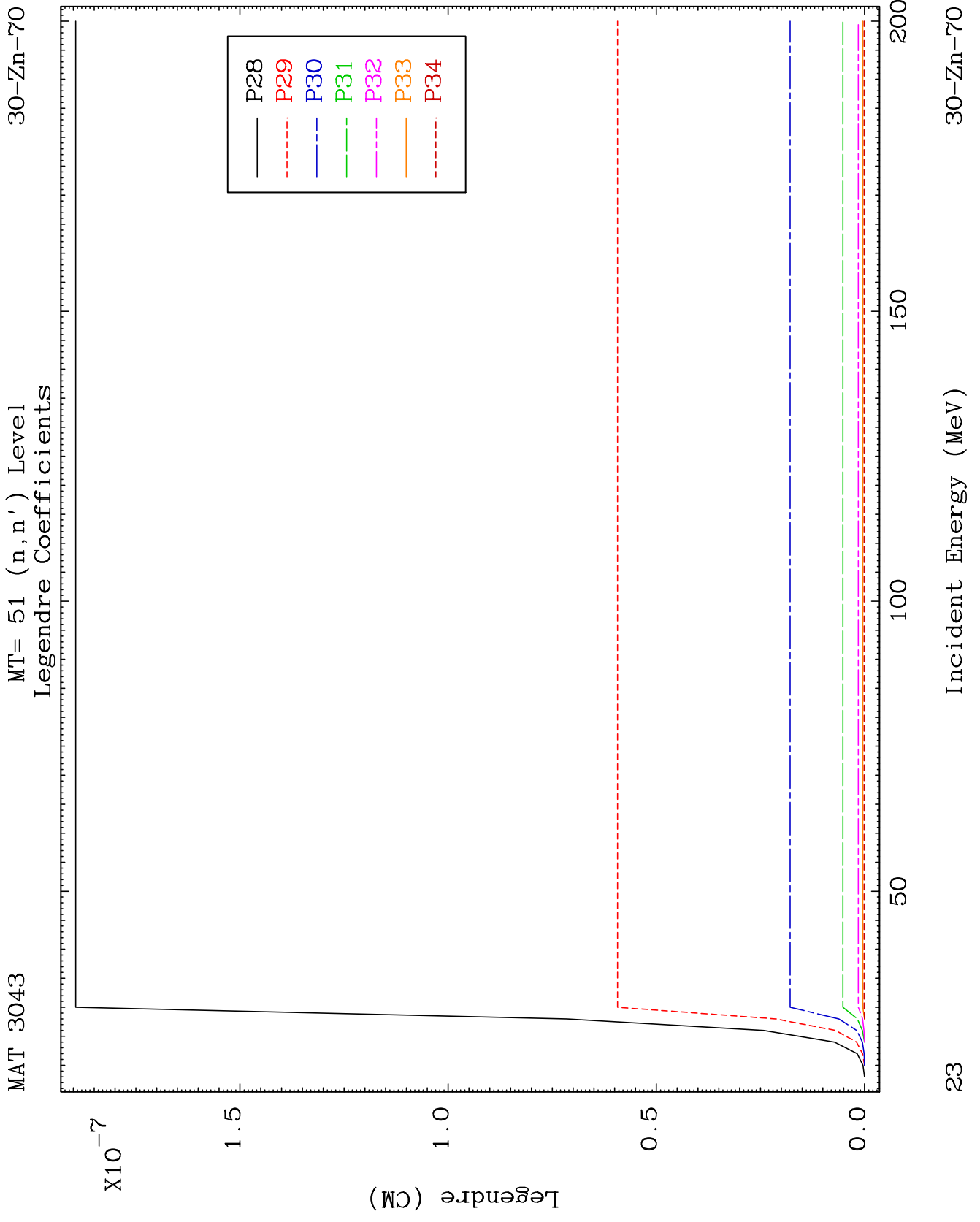
Incident Energy (MeV)

30-Zn-70

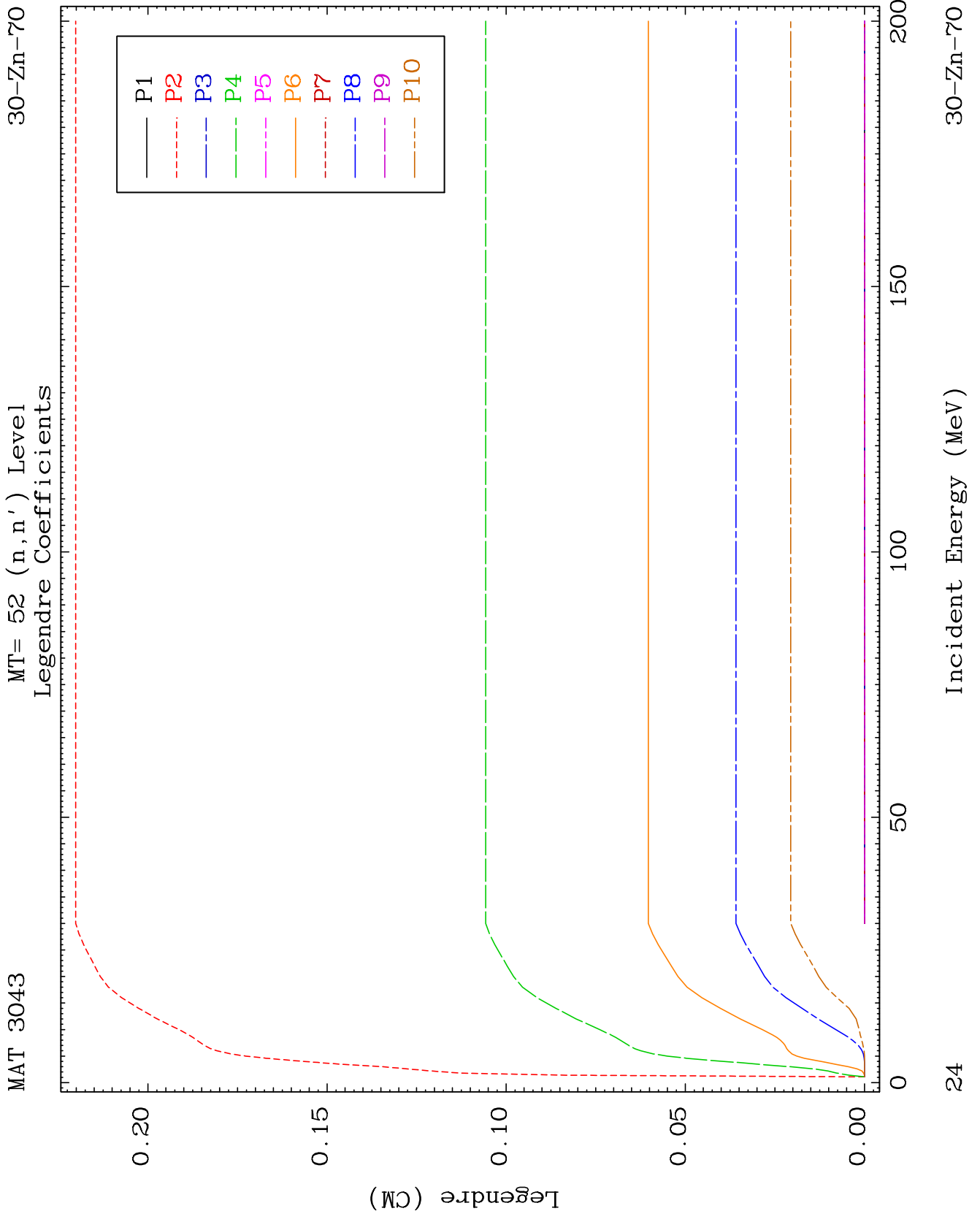




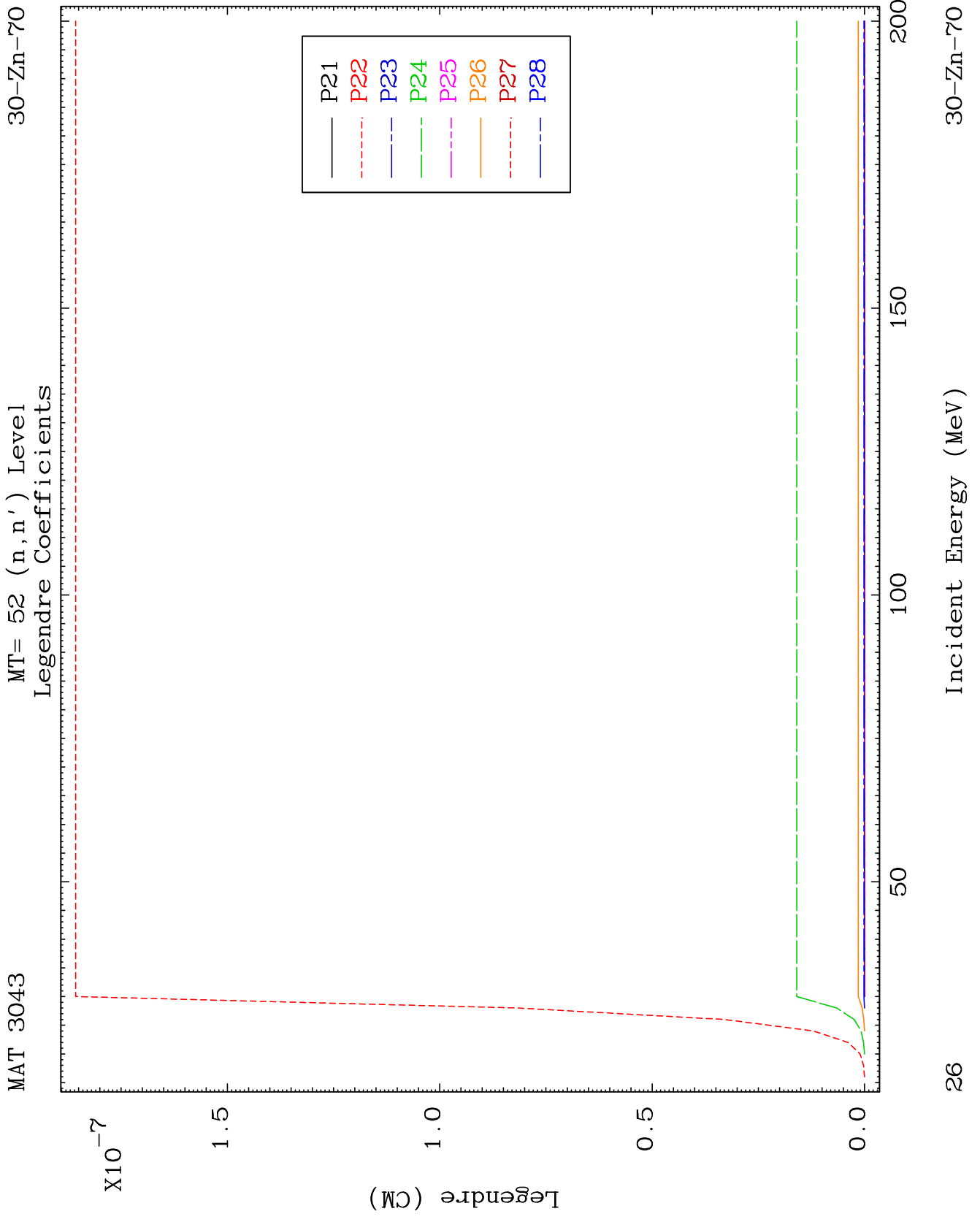


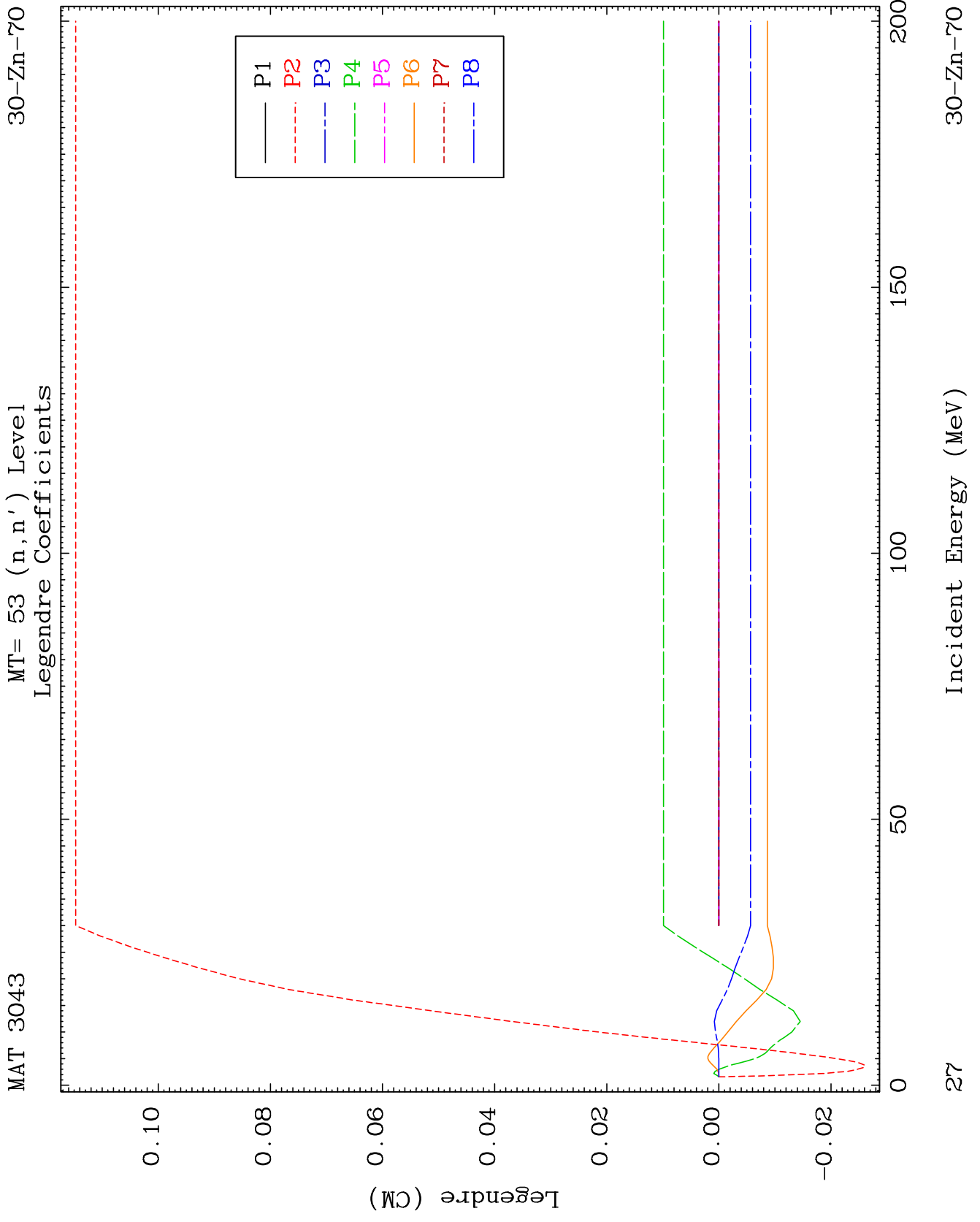


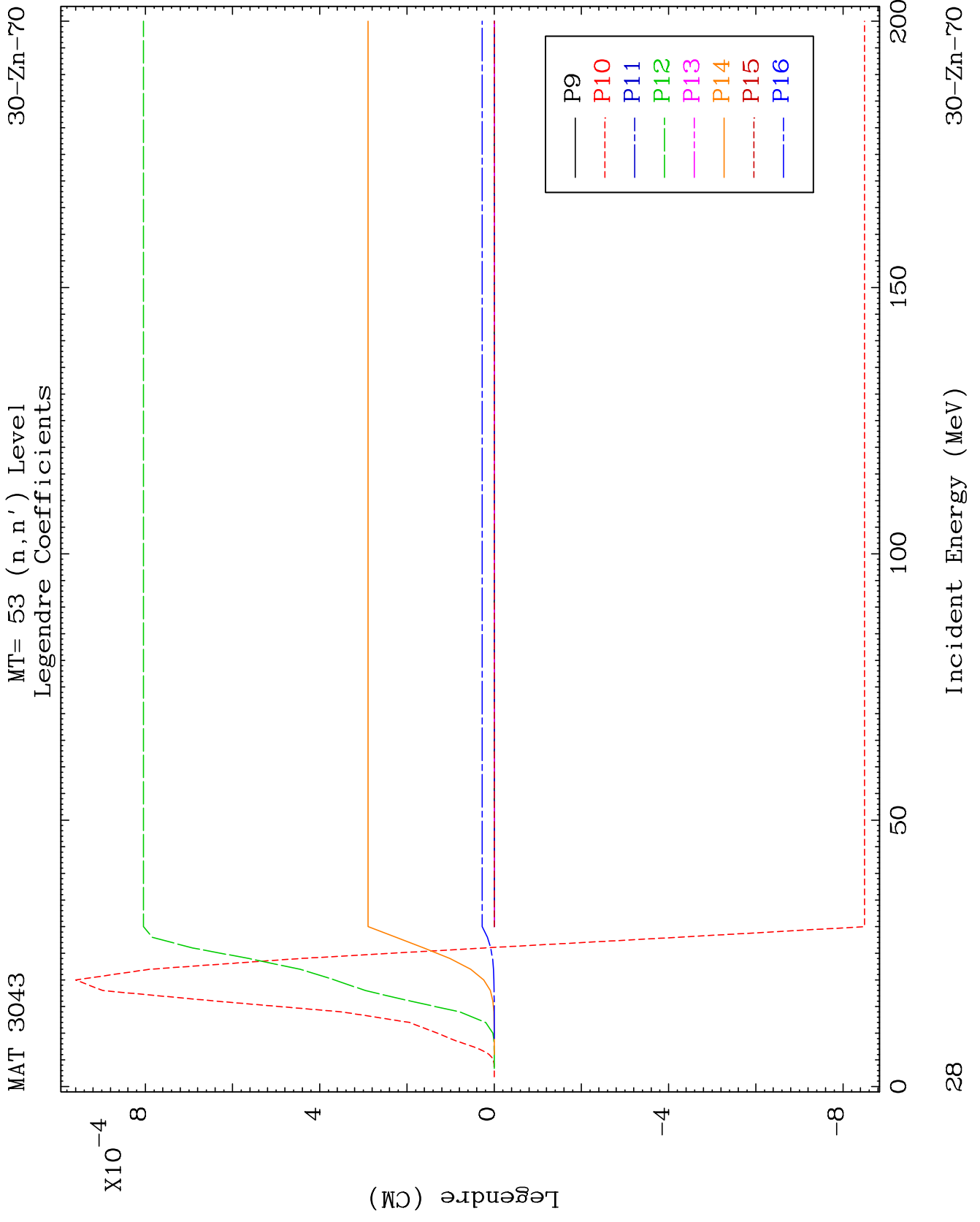


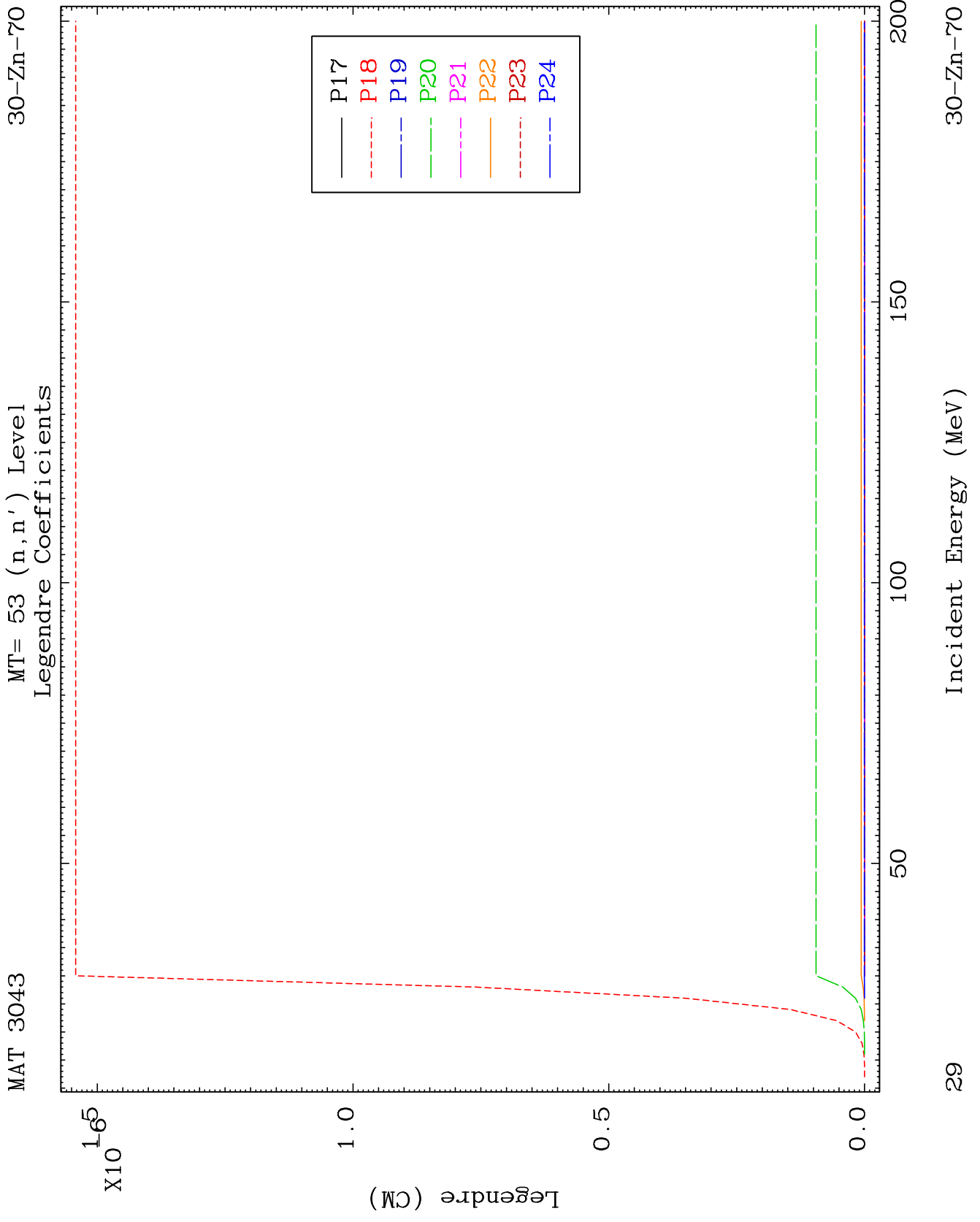


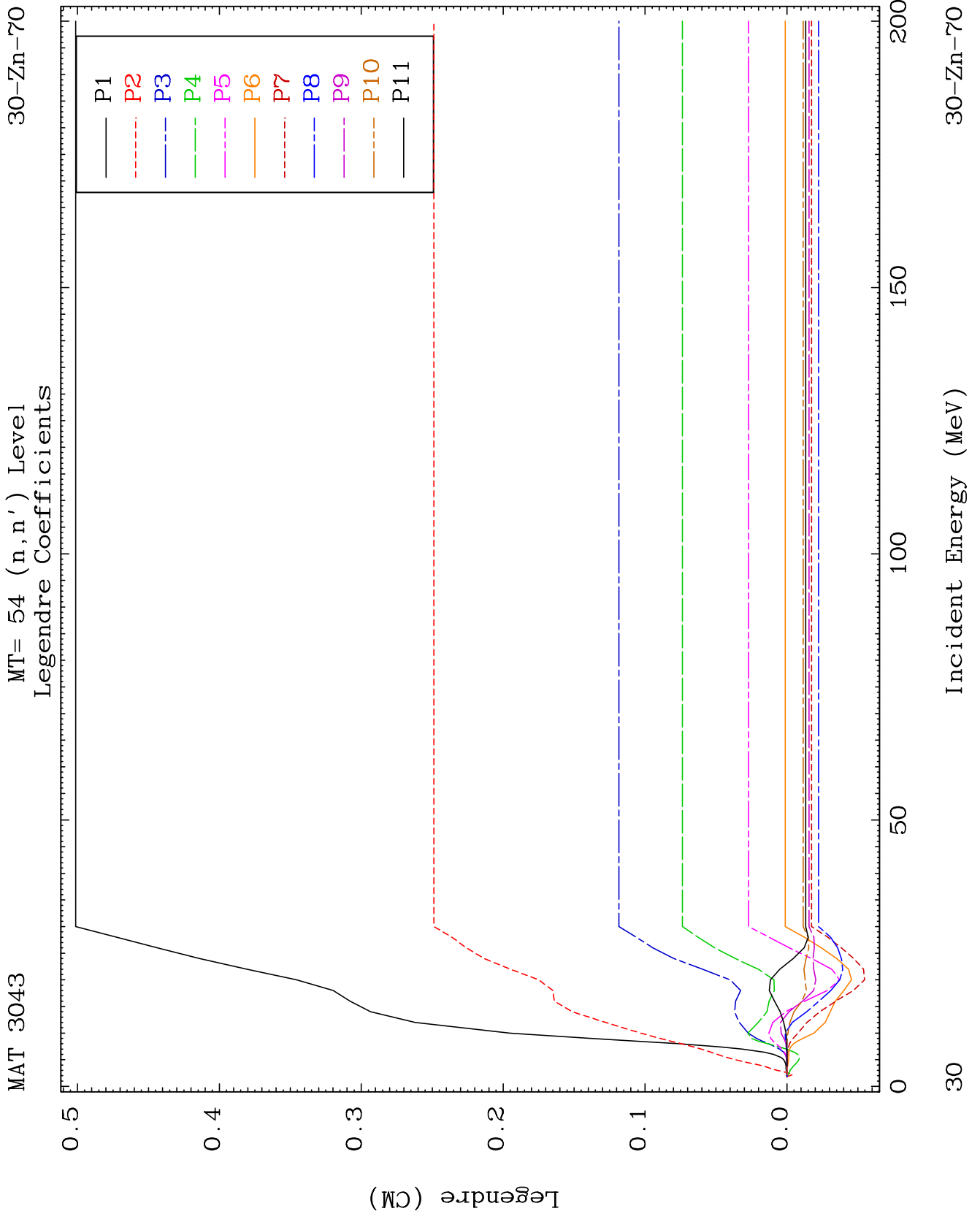








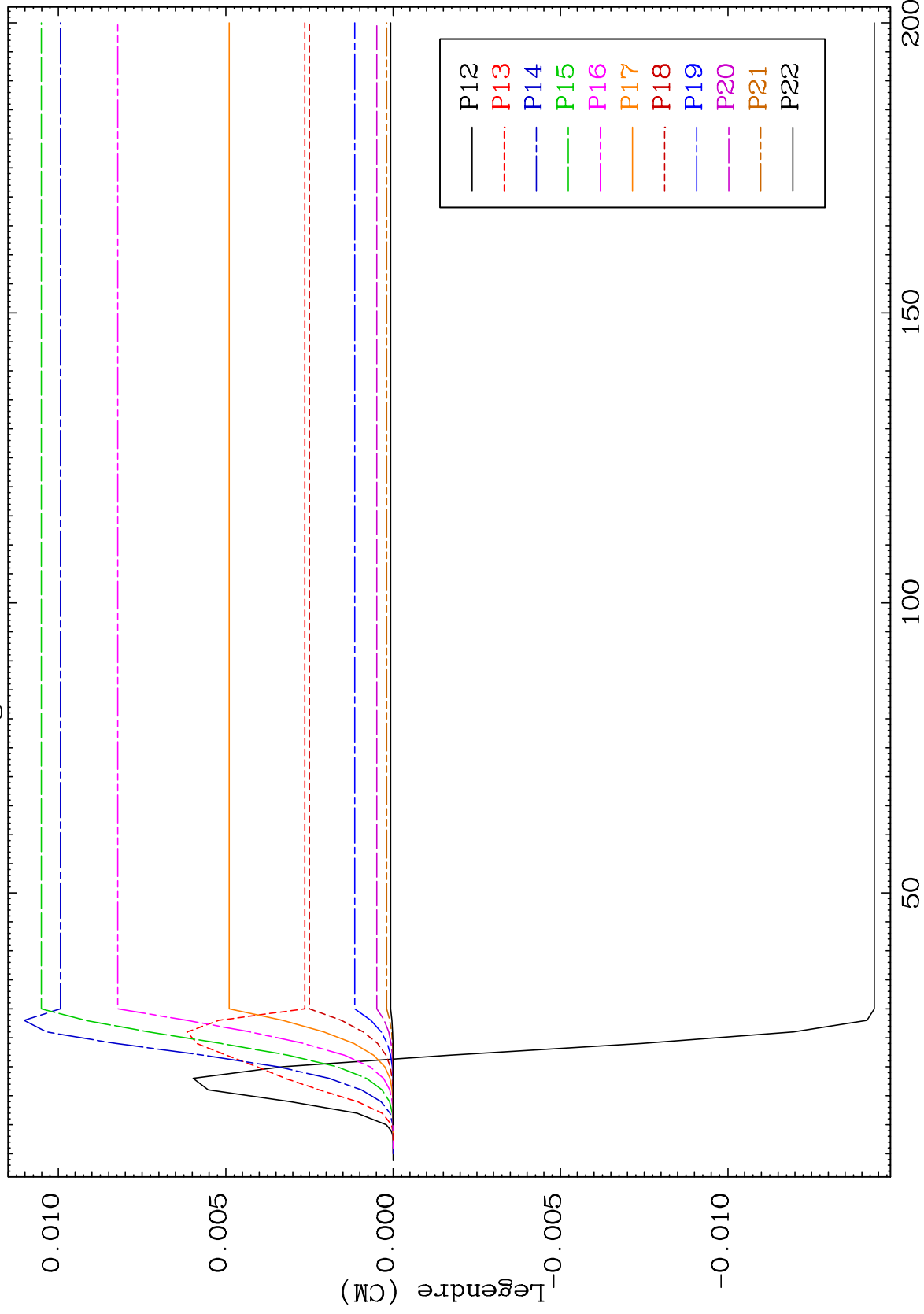




MAT 3043

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

30-Zn-70



31

Incident Energy (MeV)

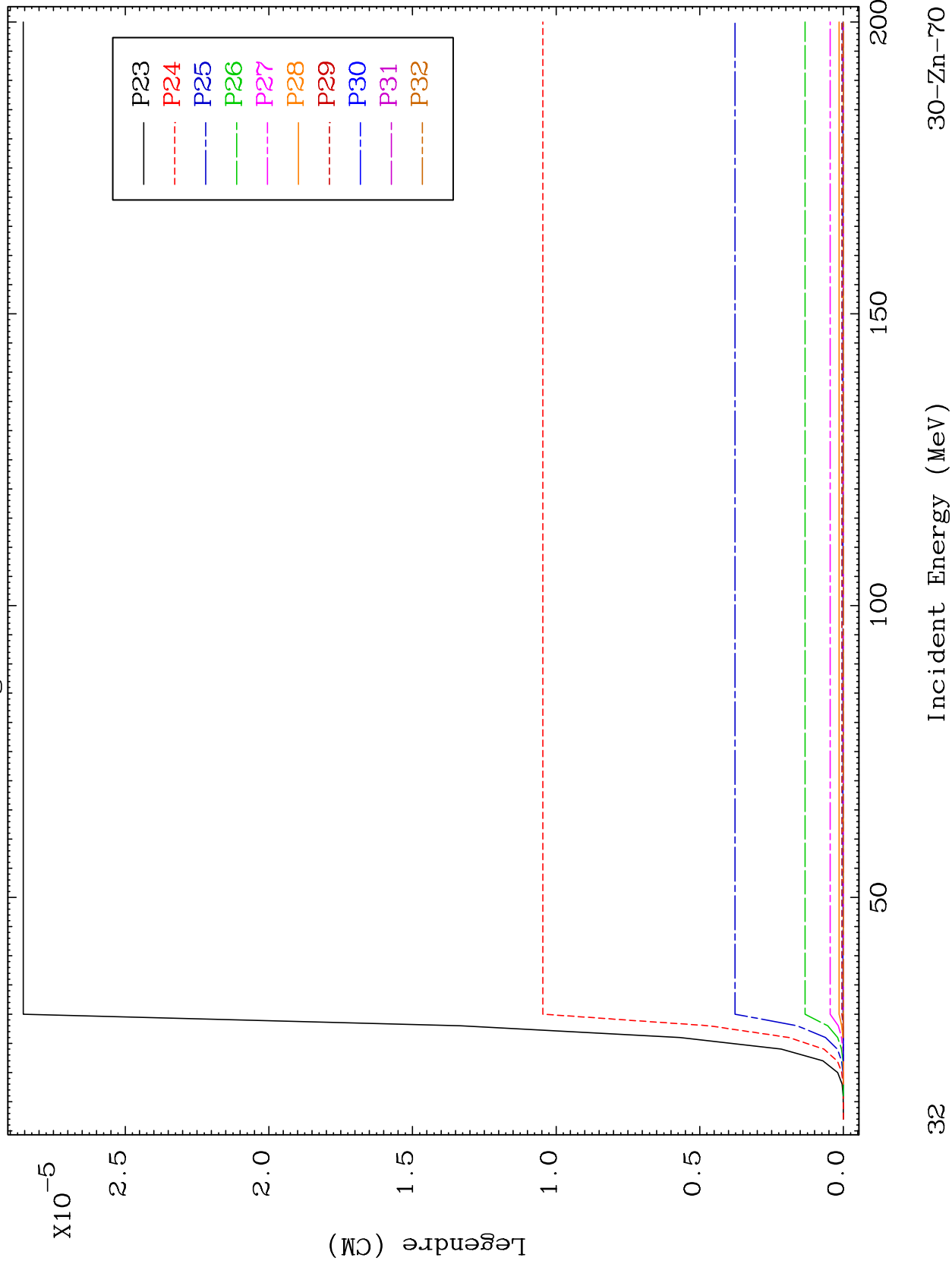
30-Zn-70



MAT 3043

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

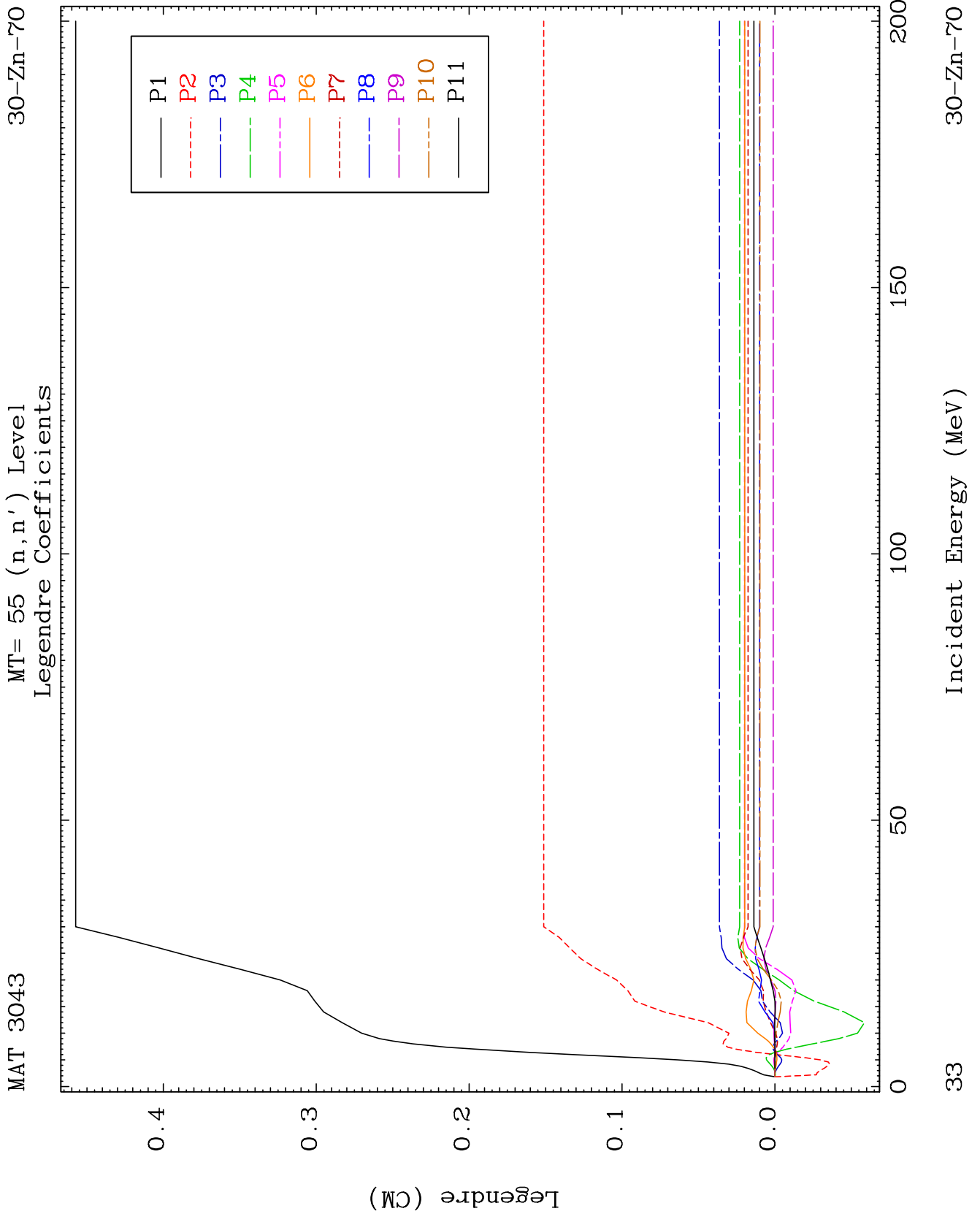
30-Zn-70



32

Incident Energy (MeV)

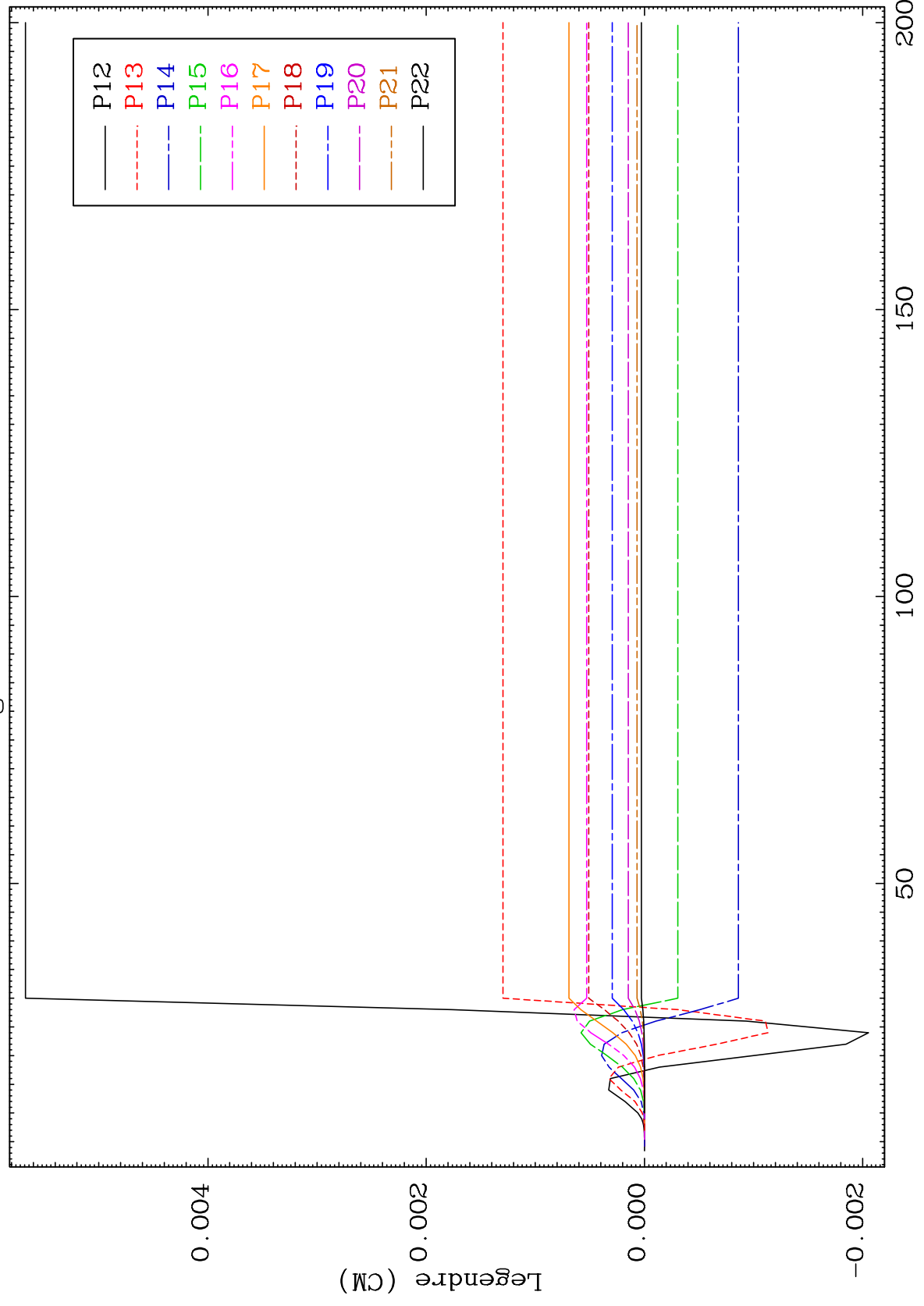
30-Zn-70



MAT 3043

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

30-Zn-70



34

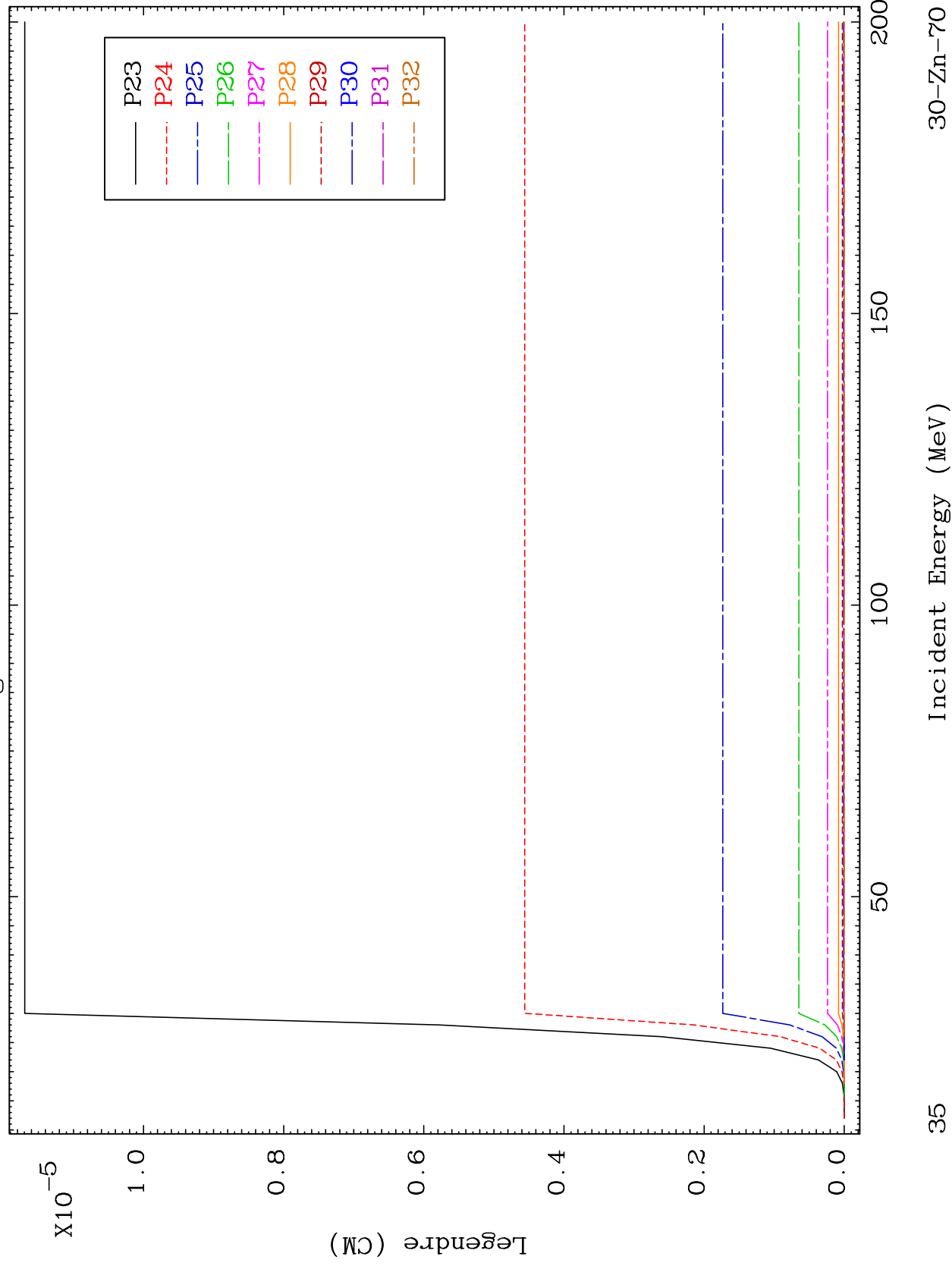
Incident Energy (MeV)

30-Zn-70

MAT 3043

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

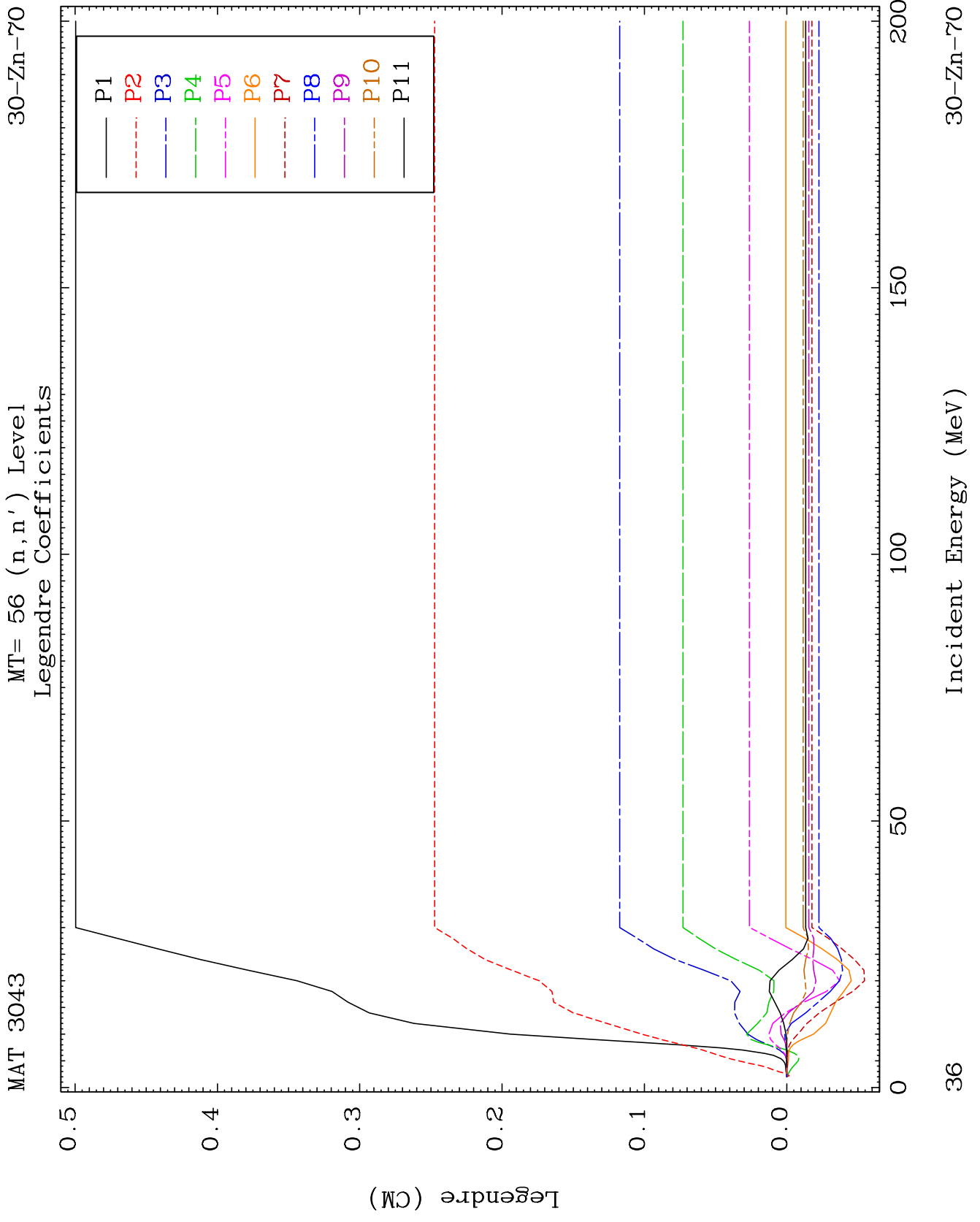
30-Zn-70



35

Incident Energy (MeV)

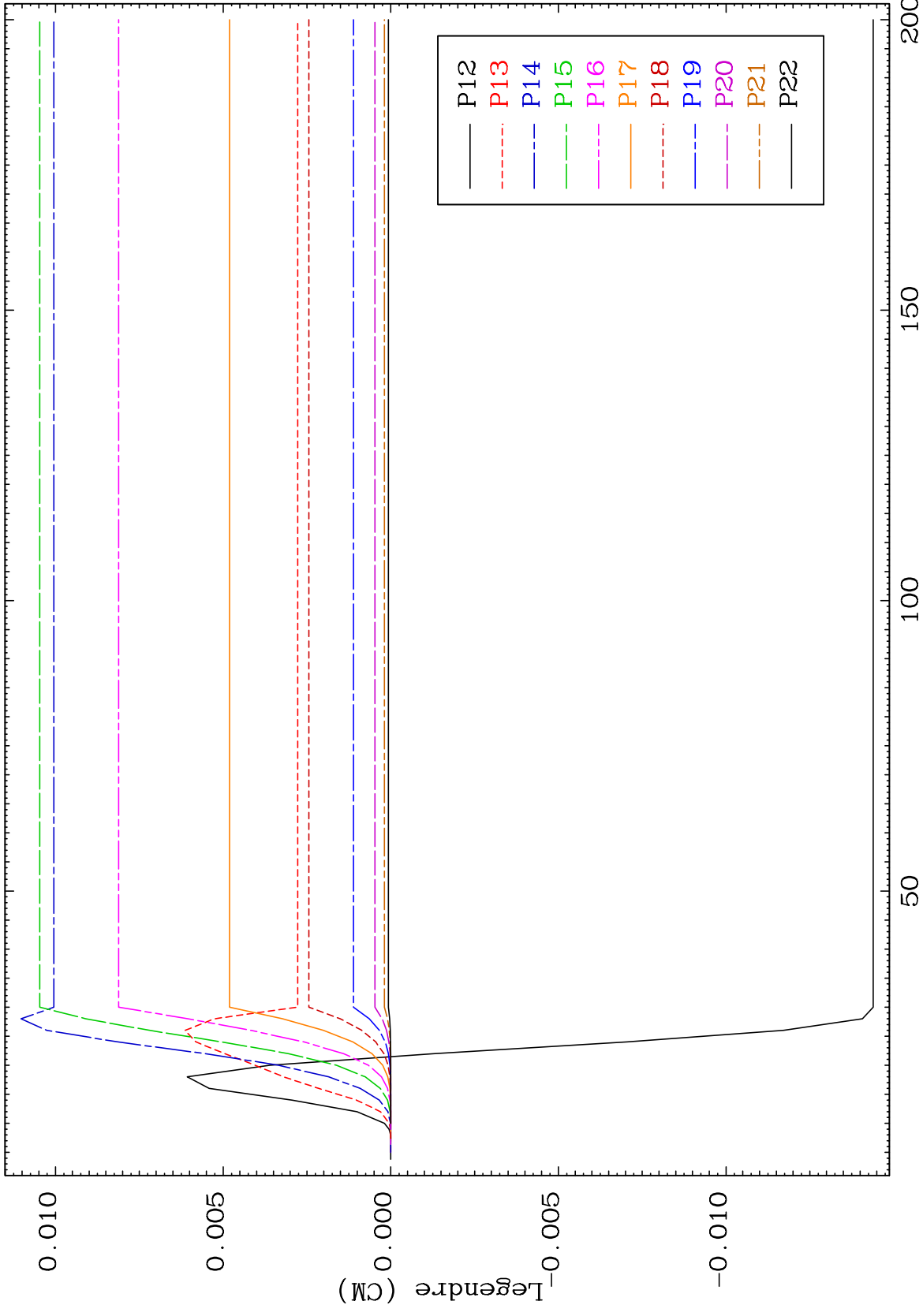
30-Zn-70



MAT 3043

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

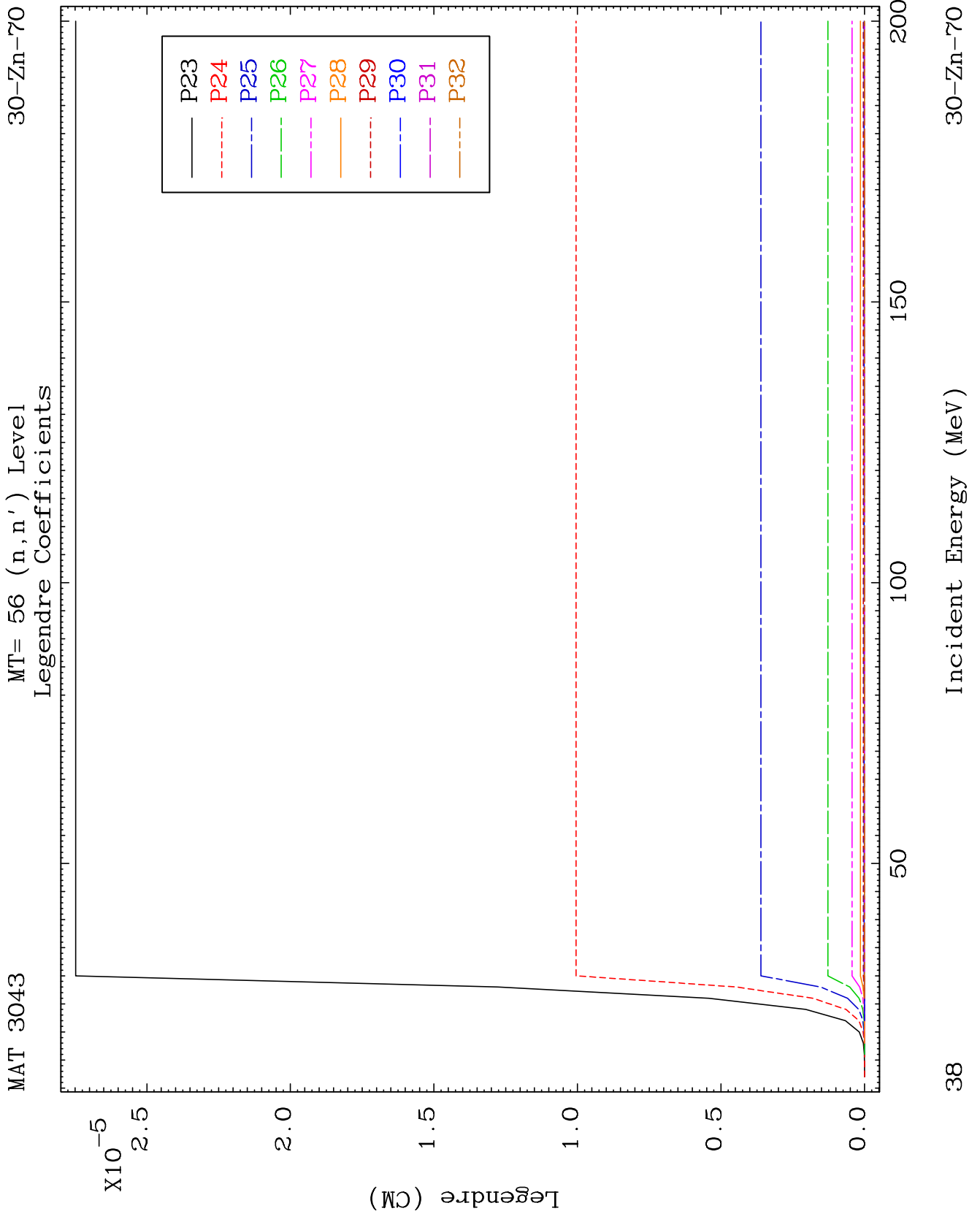
30-Zn-70

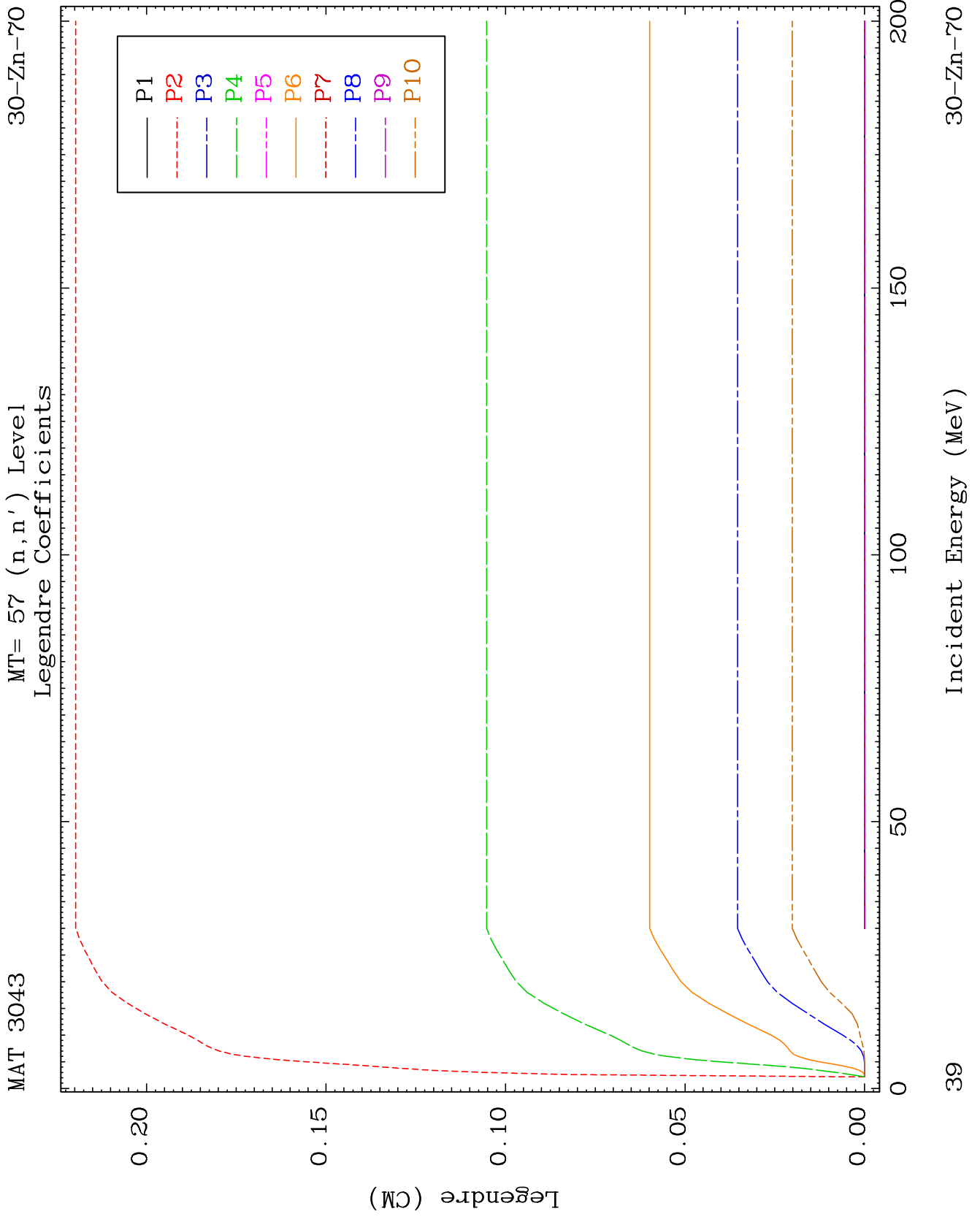


37

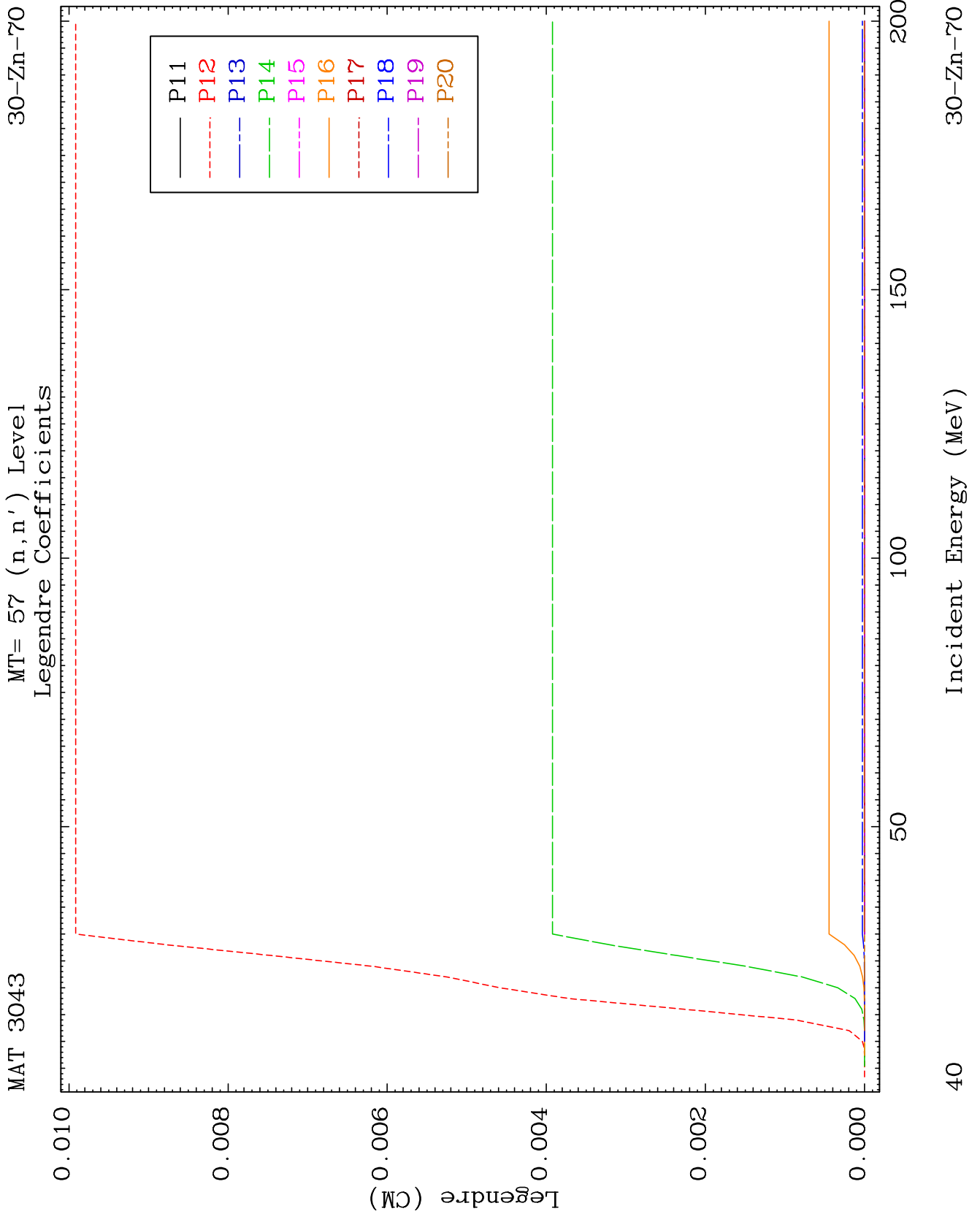
Incident Energy (MeV)

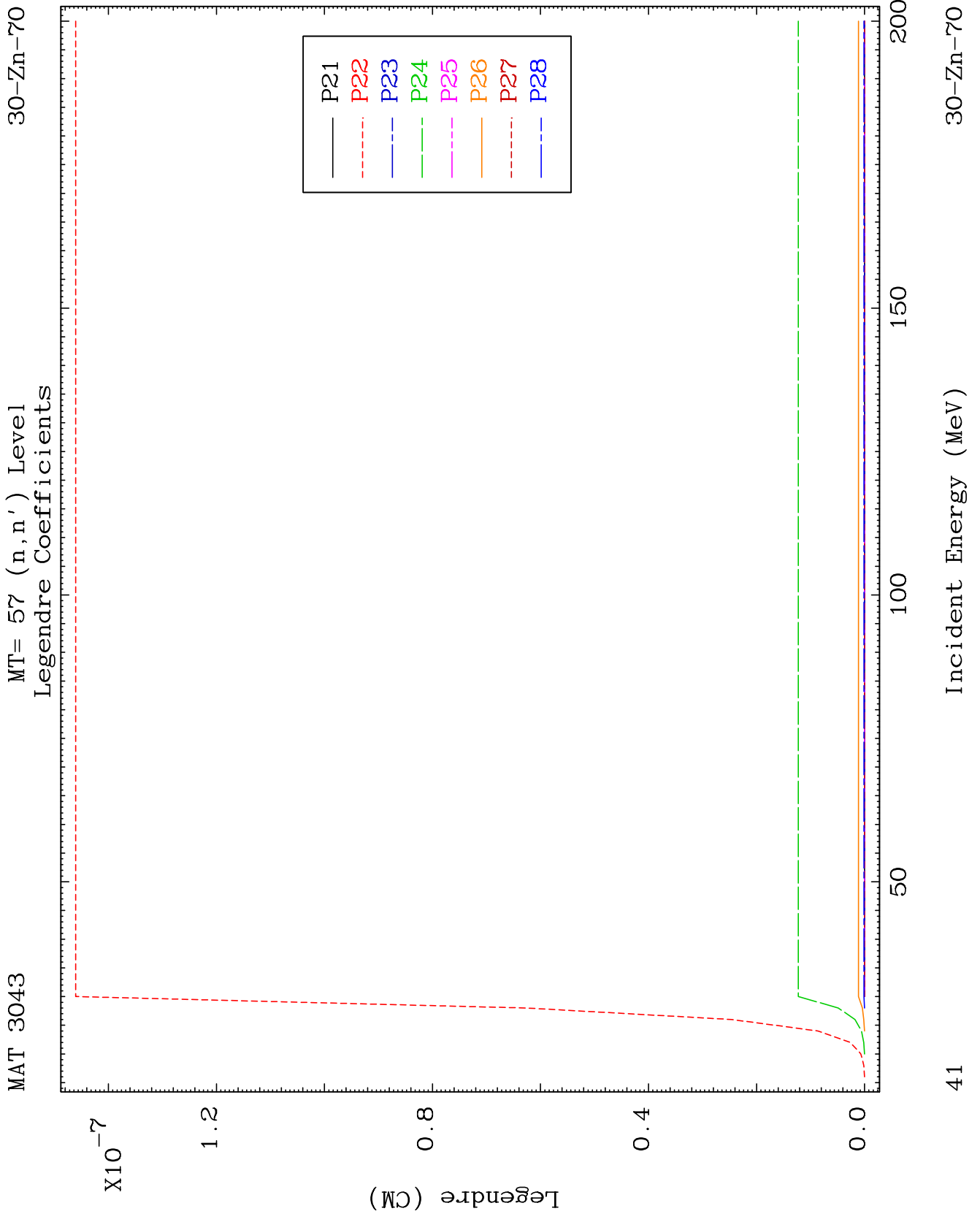
30-Zn-70

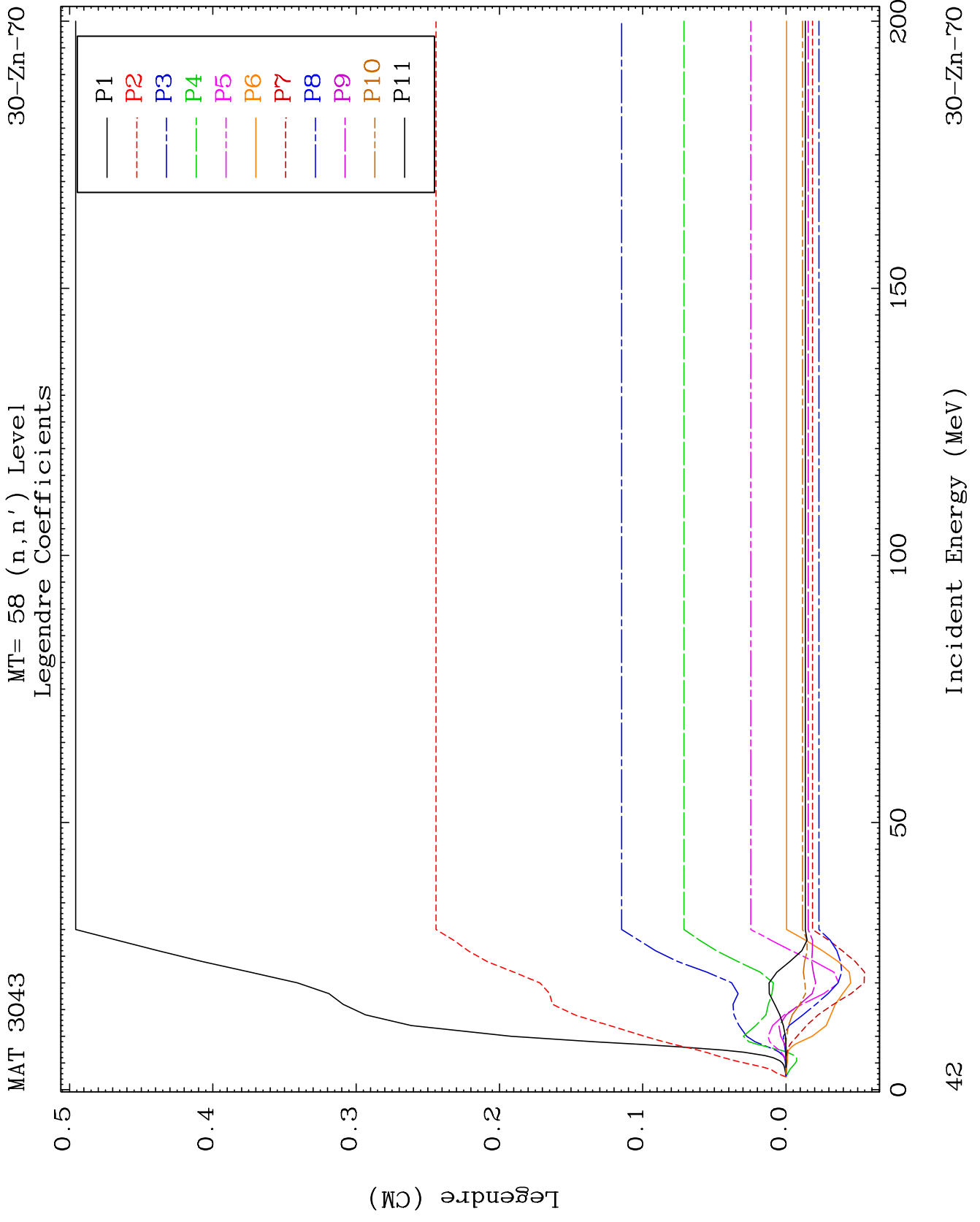








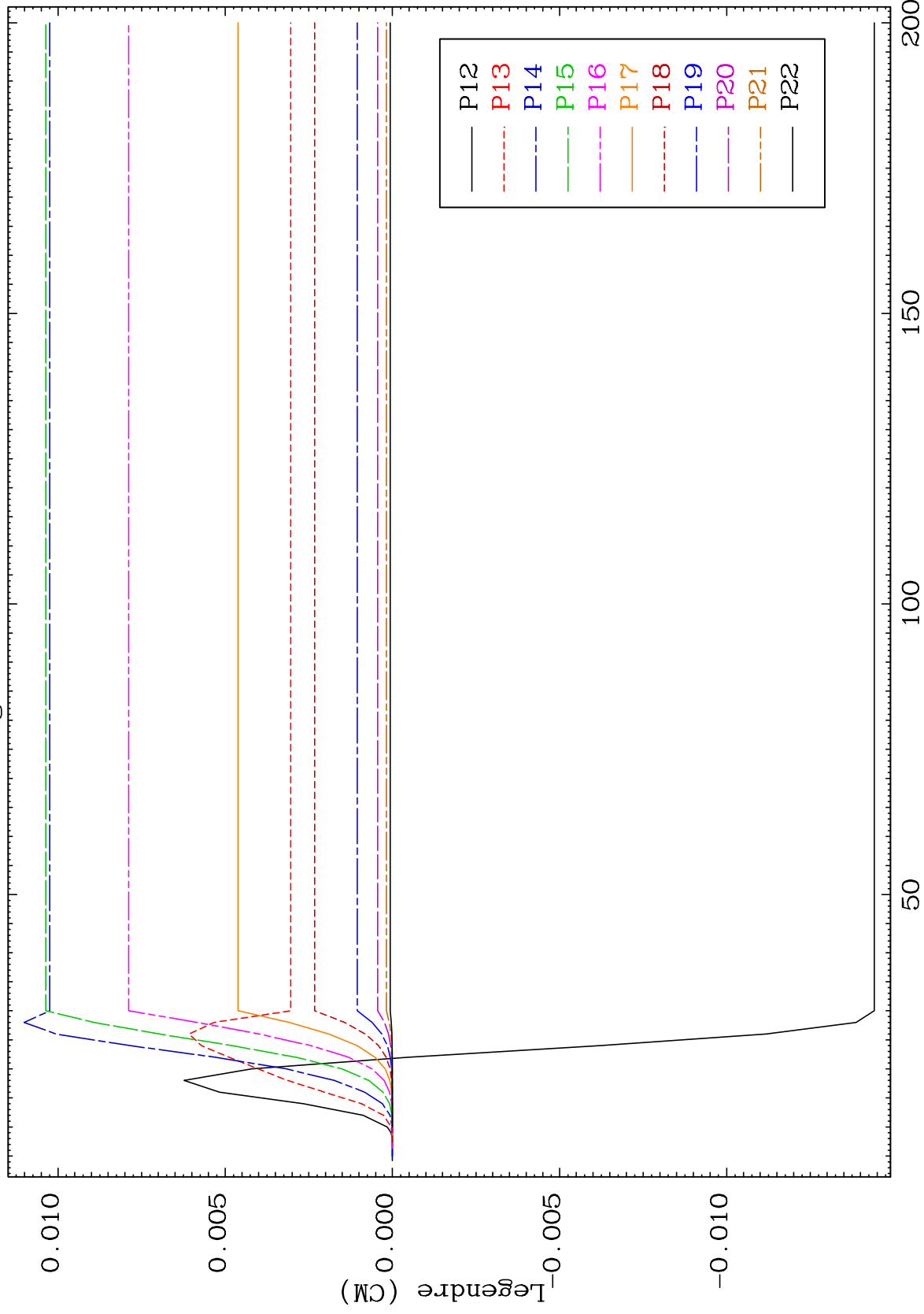




MAT 3043

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

30-Zn-70



43

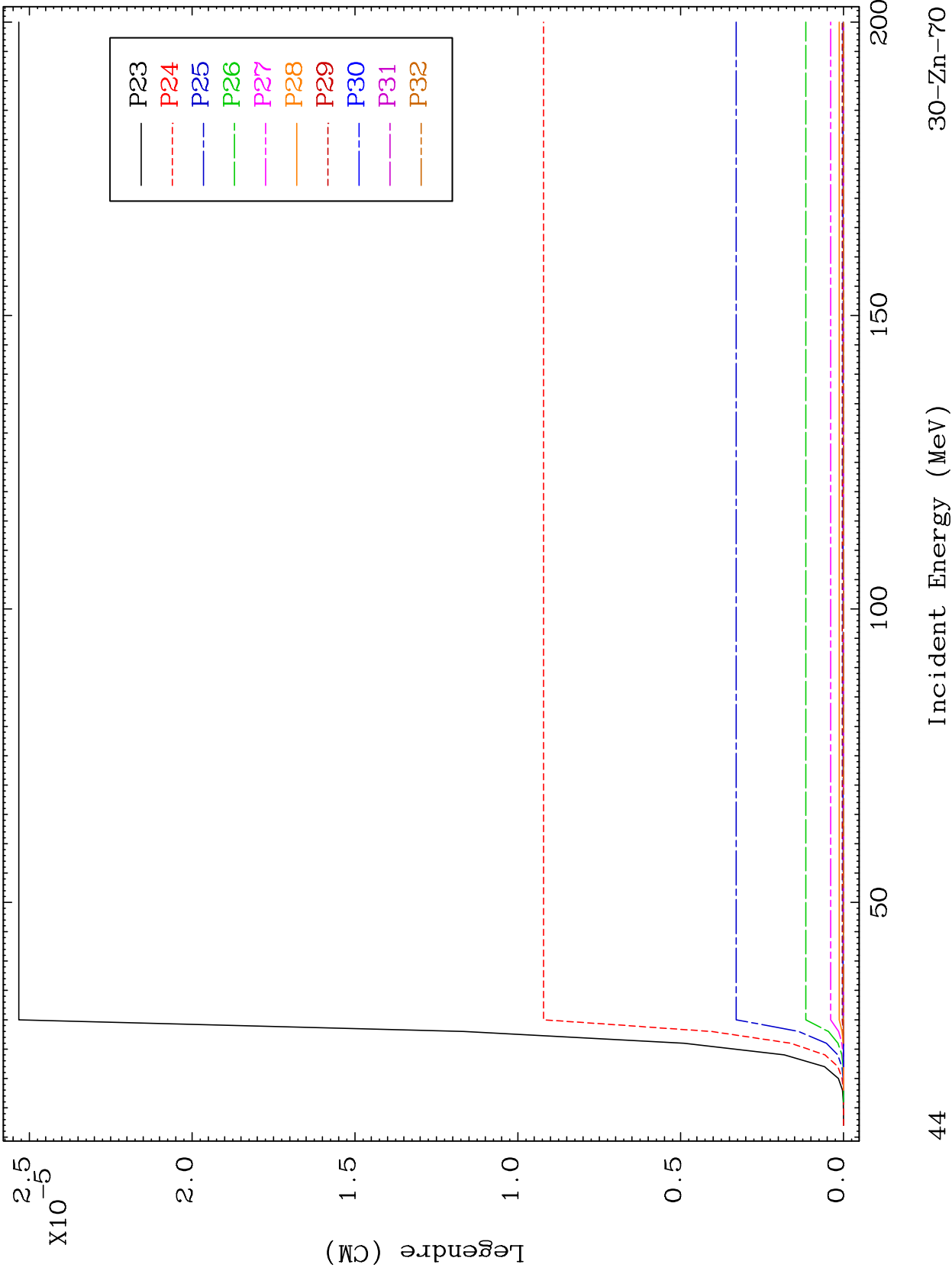
Incident Energy (MeV)

30-Zn-70

MAT 3043

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

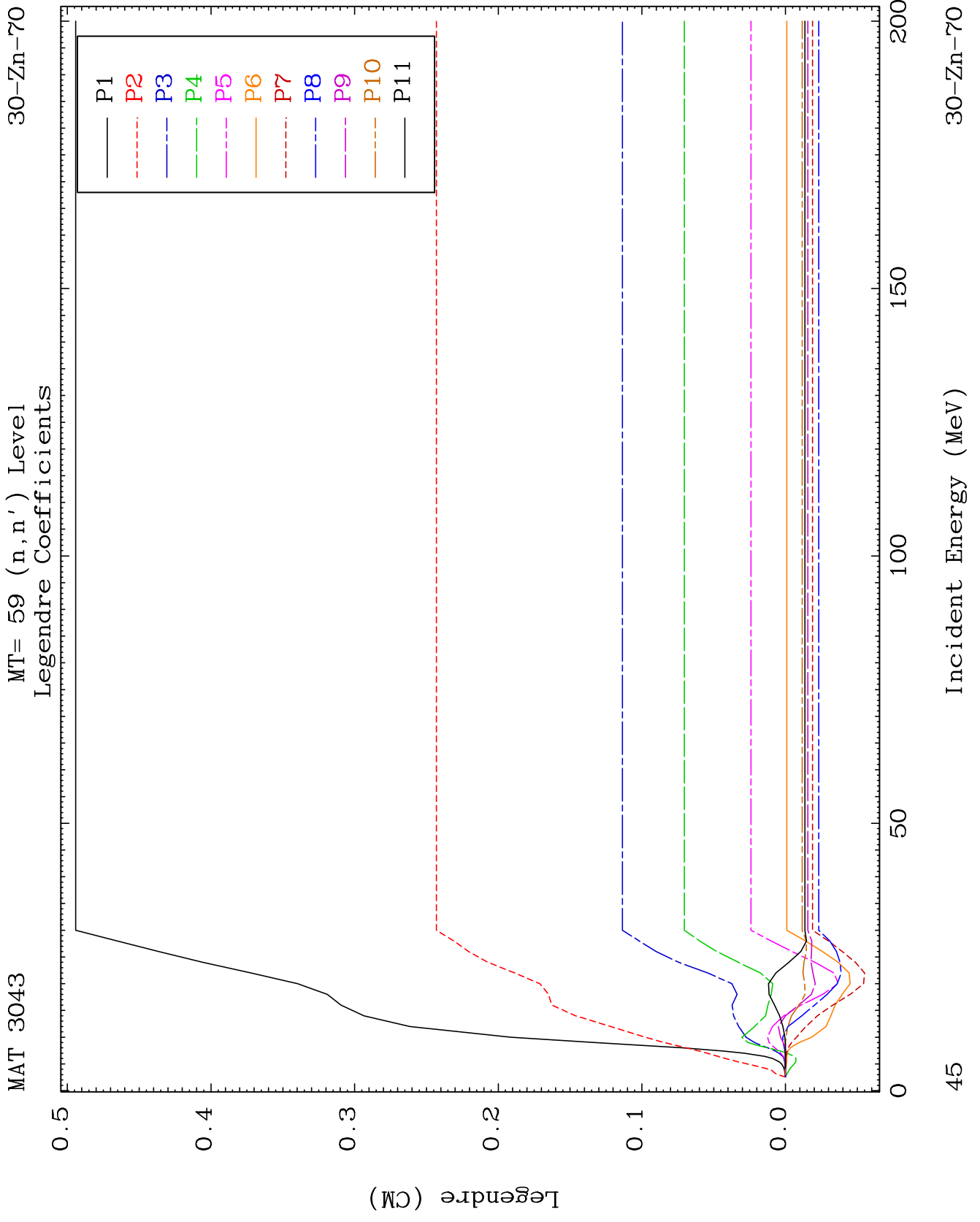
30-Zn-70

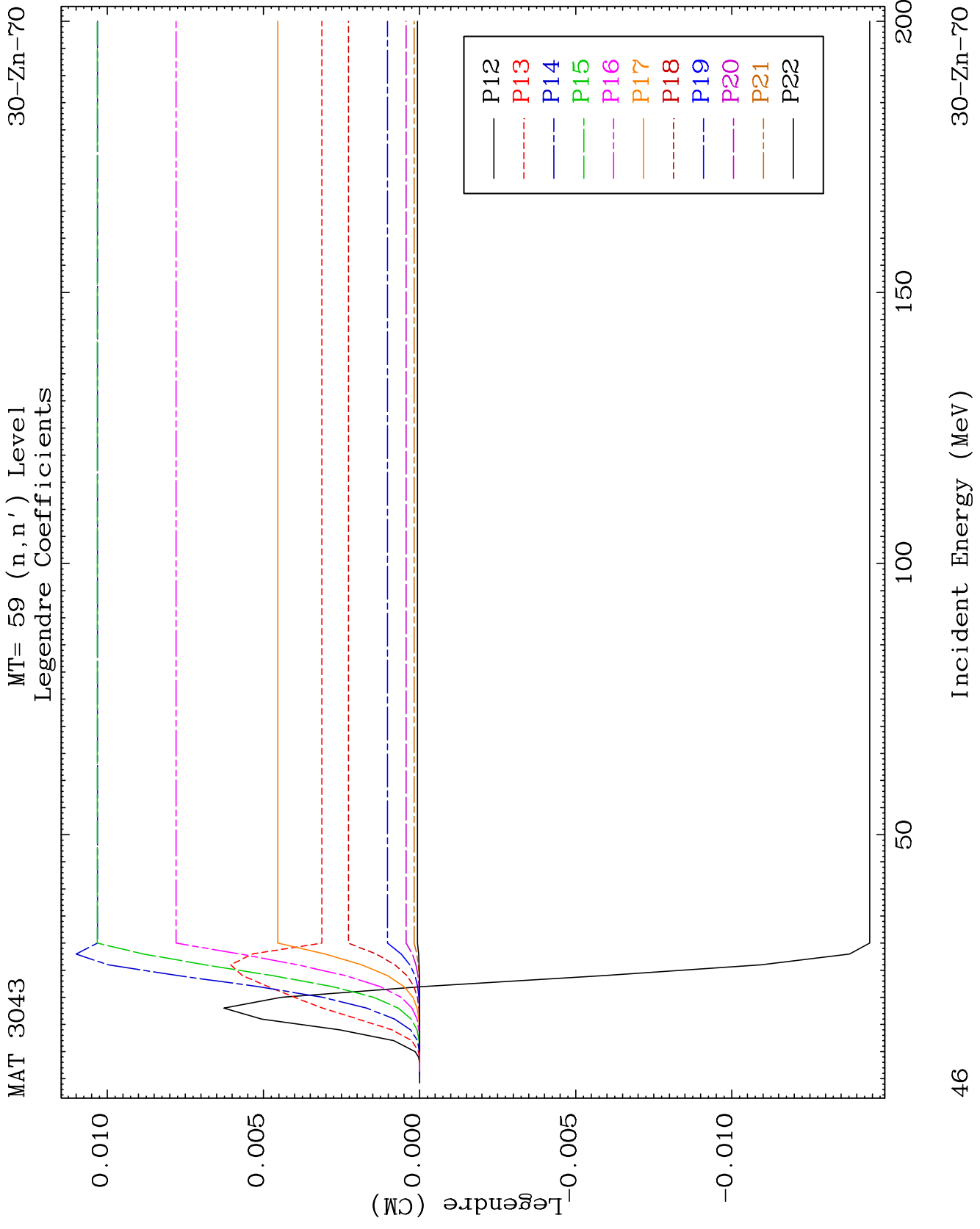


44

Incident Energy (MeV)

30-Zn-70

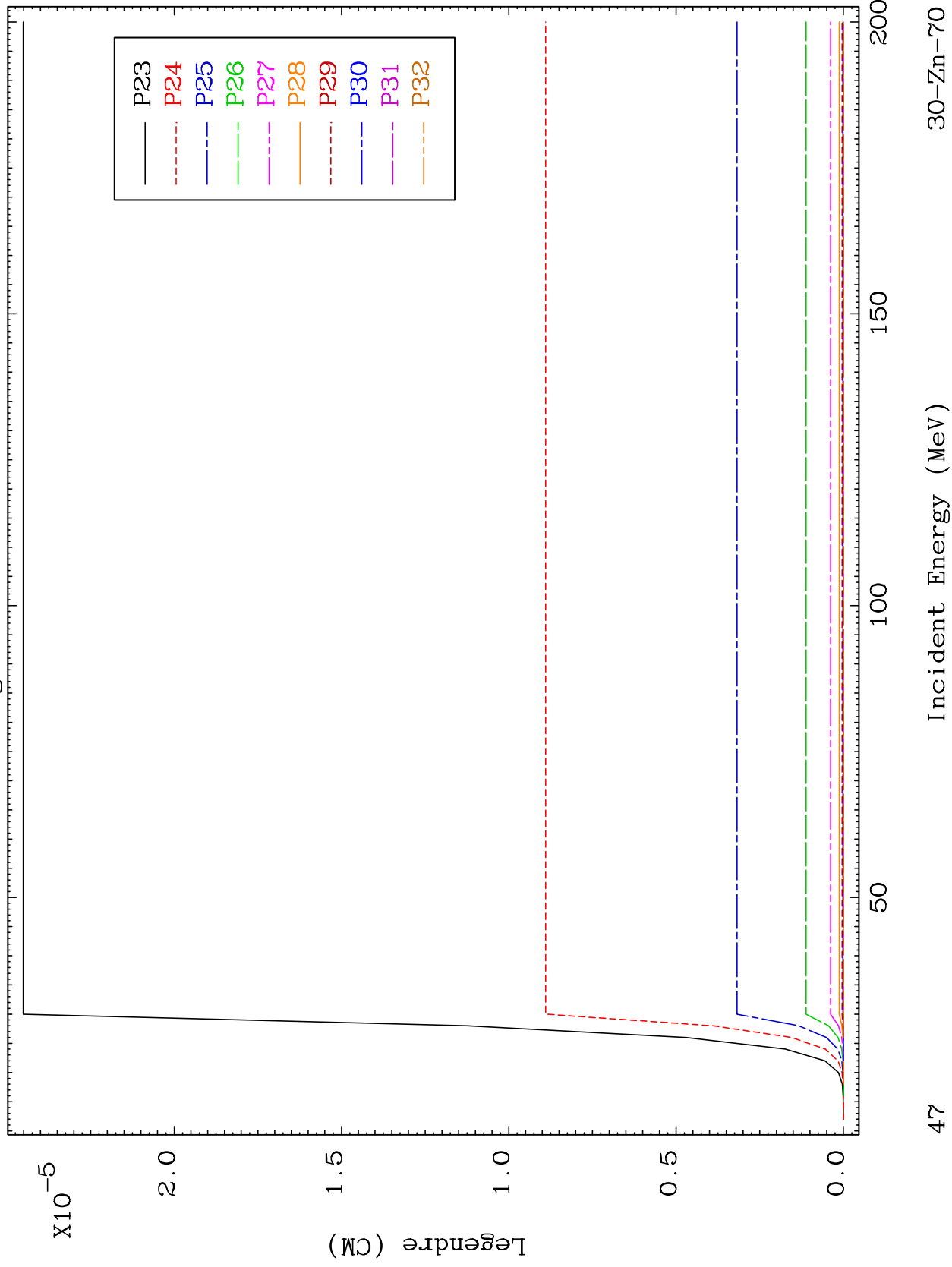




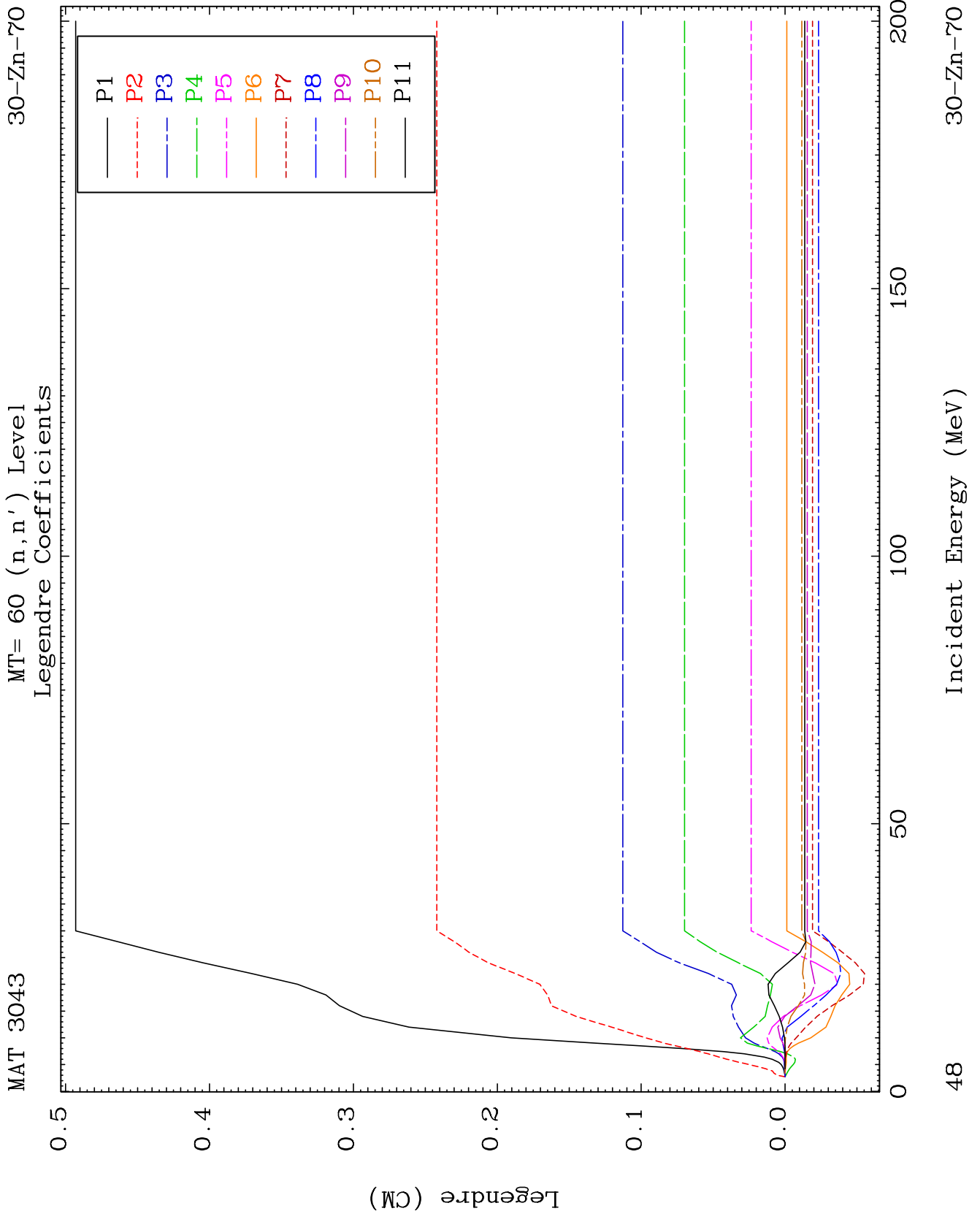
MAT 3043

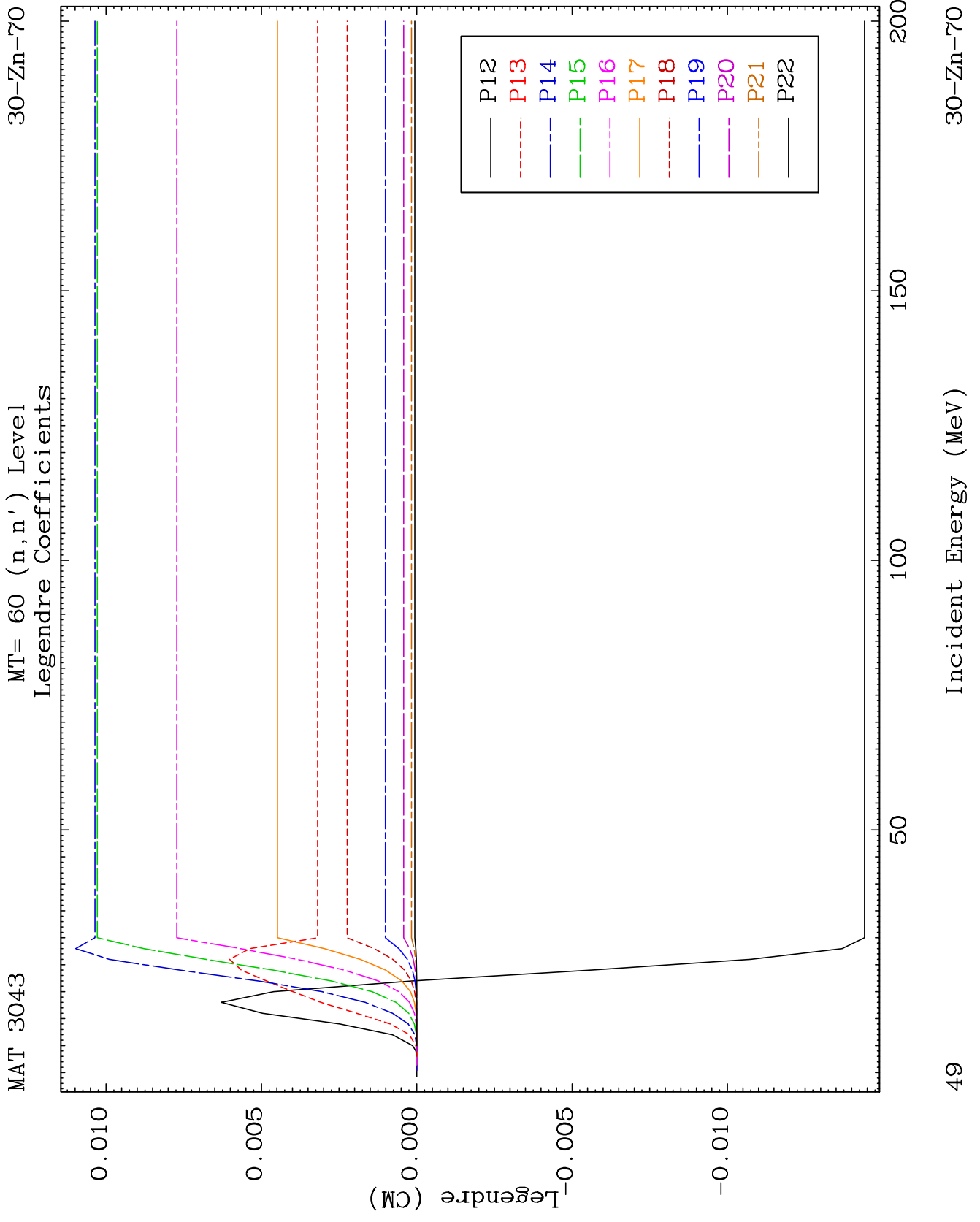
MT= 59 (n,n') Level  
Legendre Coefficients

30-Zn-70





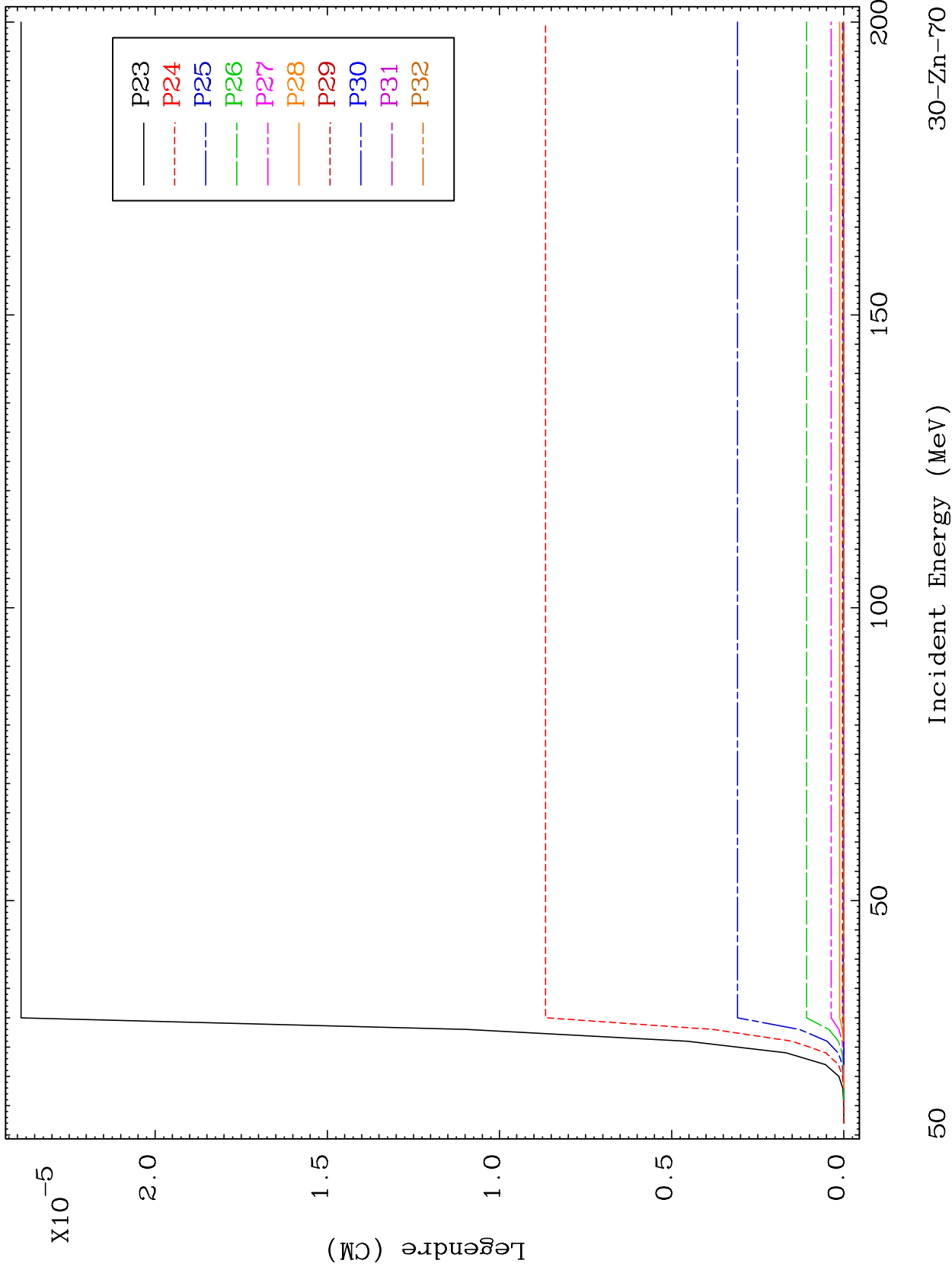




MAT 3043

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

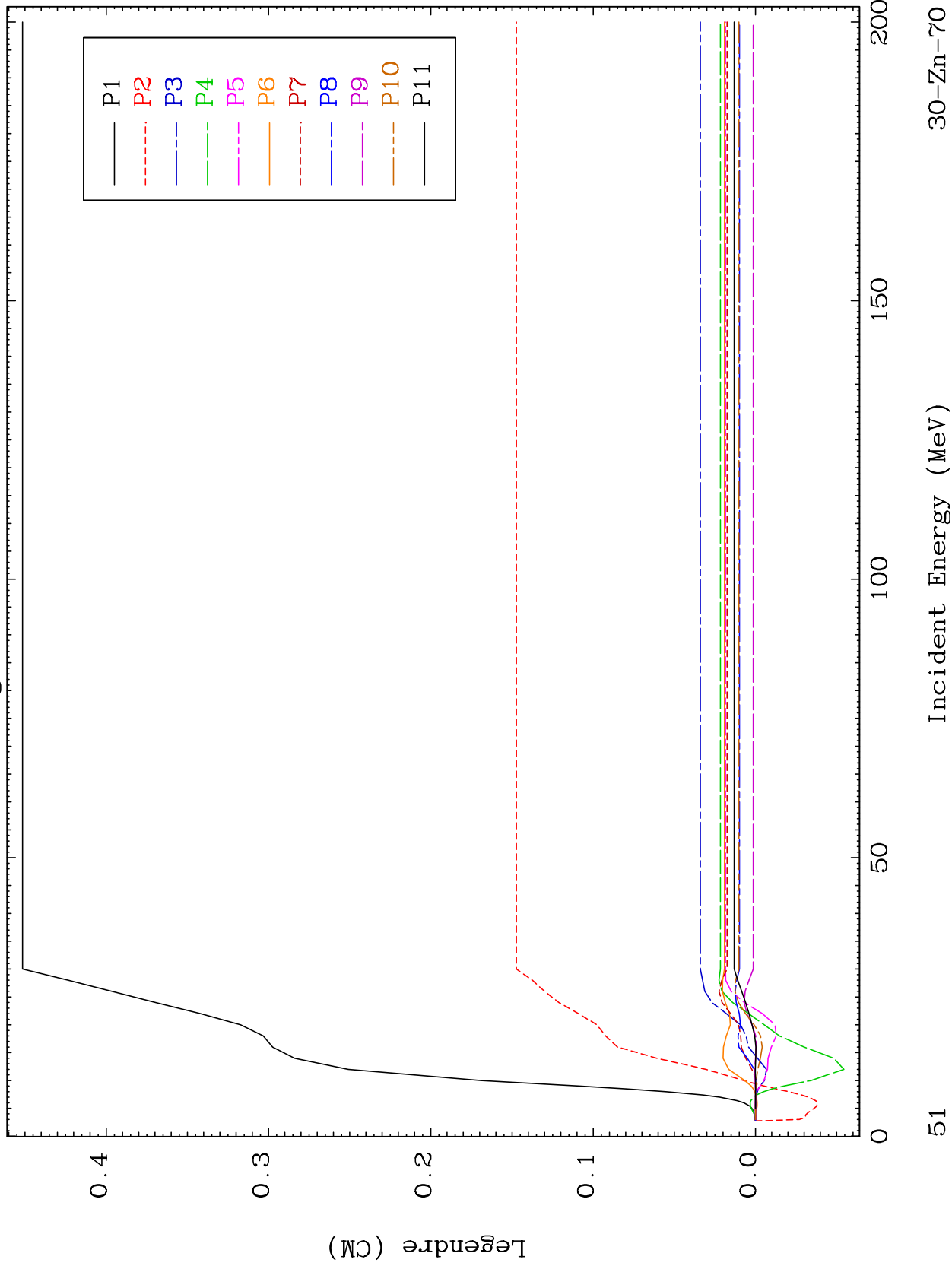
30-Zn-70



MAT 3043

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

30-Zn-70



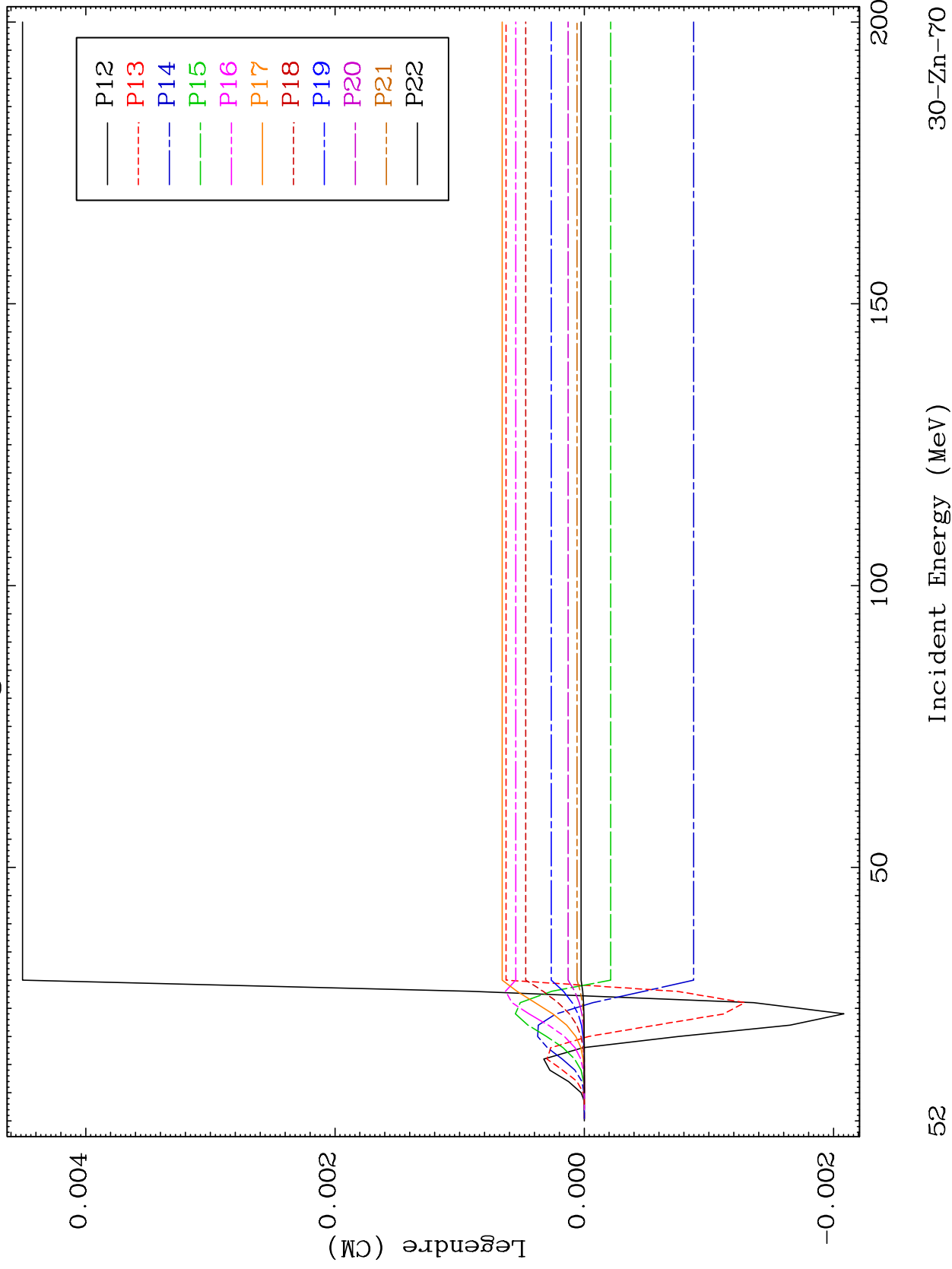
51

30-Zn-70

MAT 3043

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

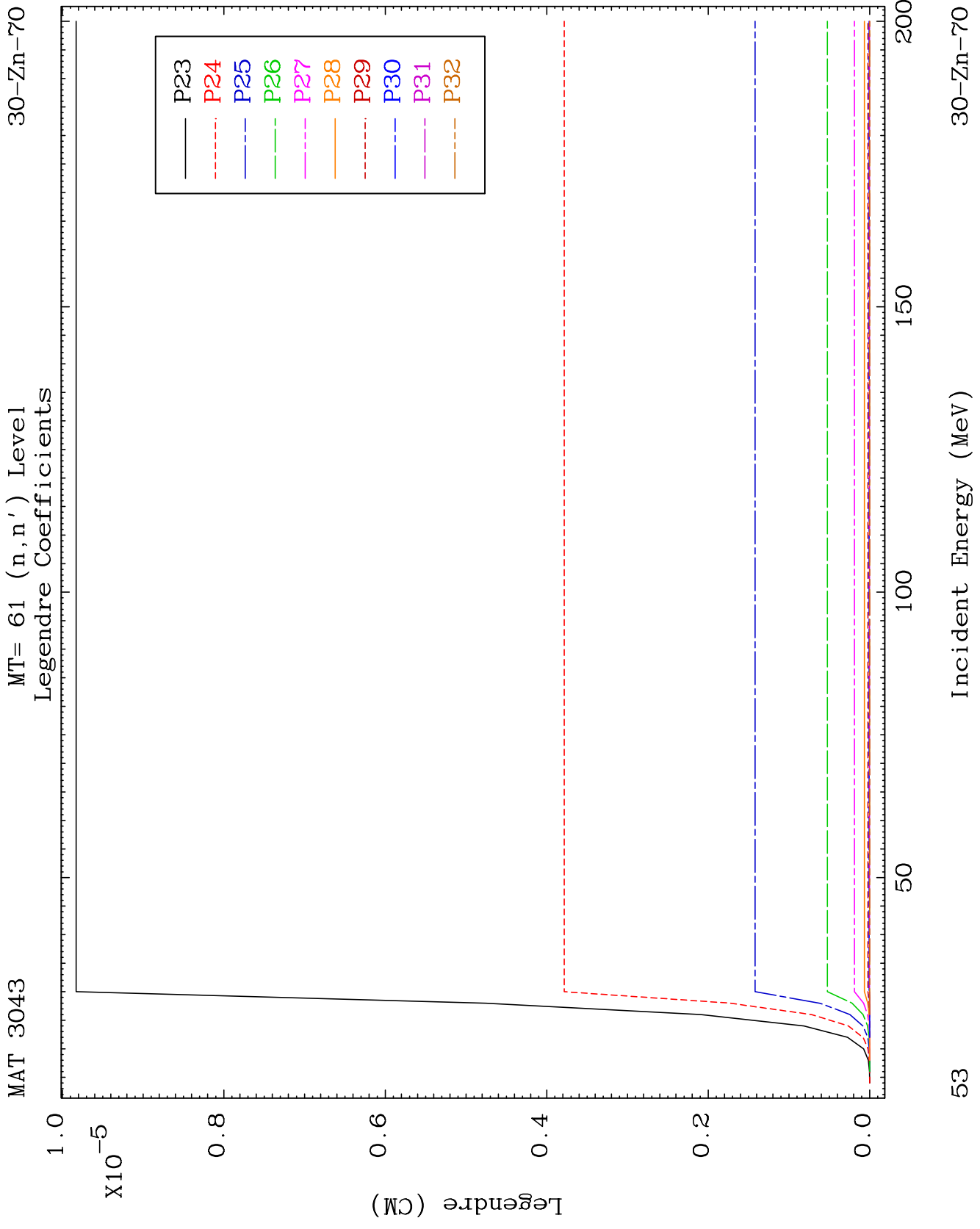
30-Zn-70

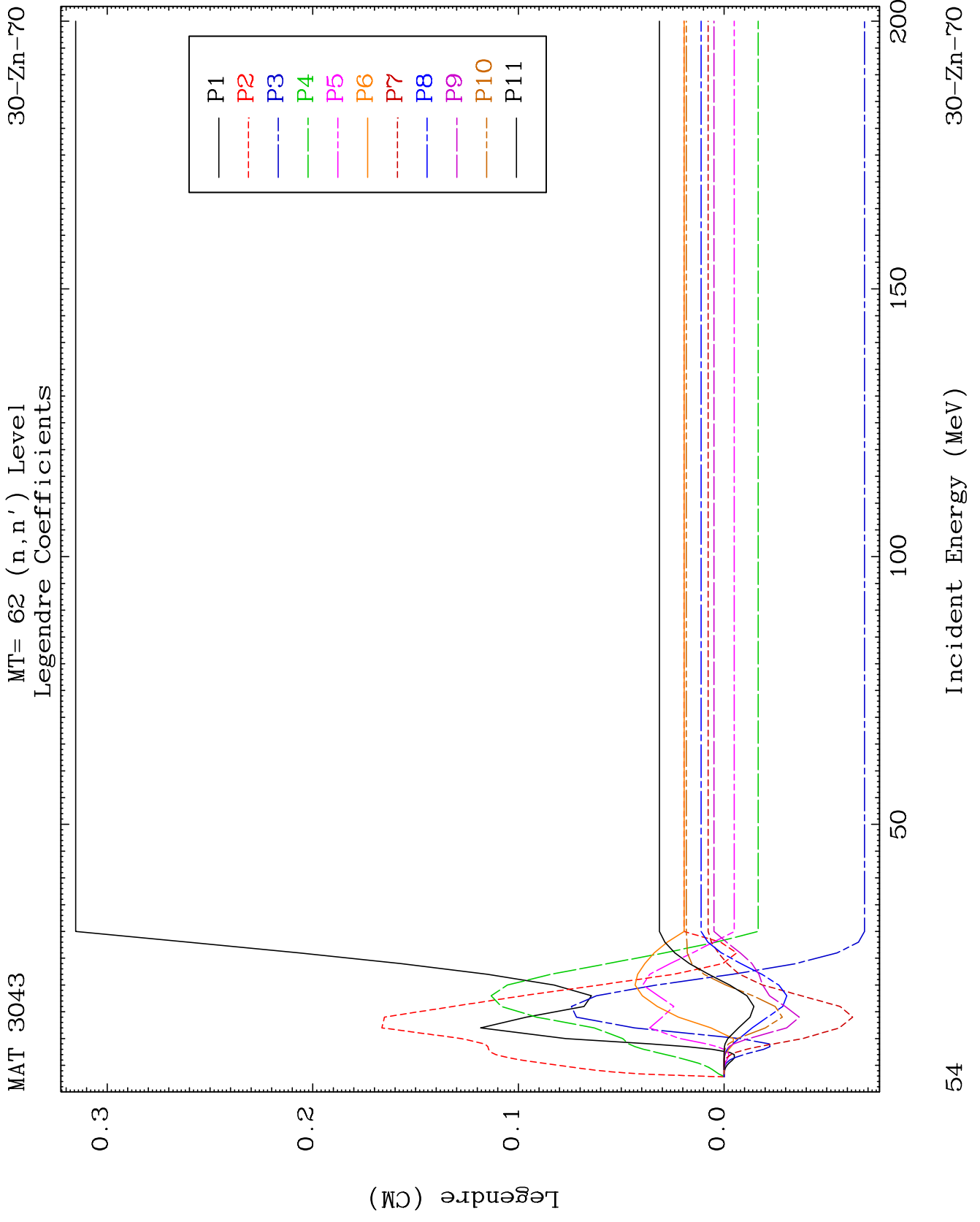


52

Incident Energy (MeV)

30-Zn-70

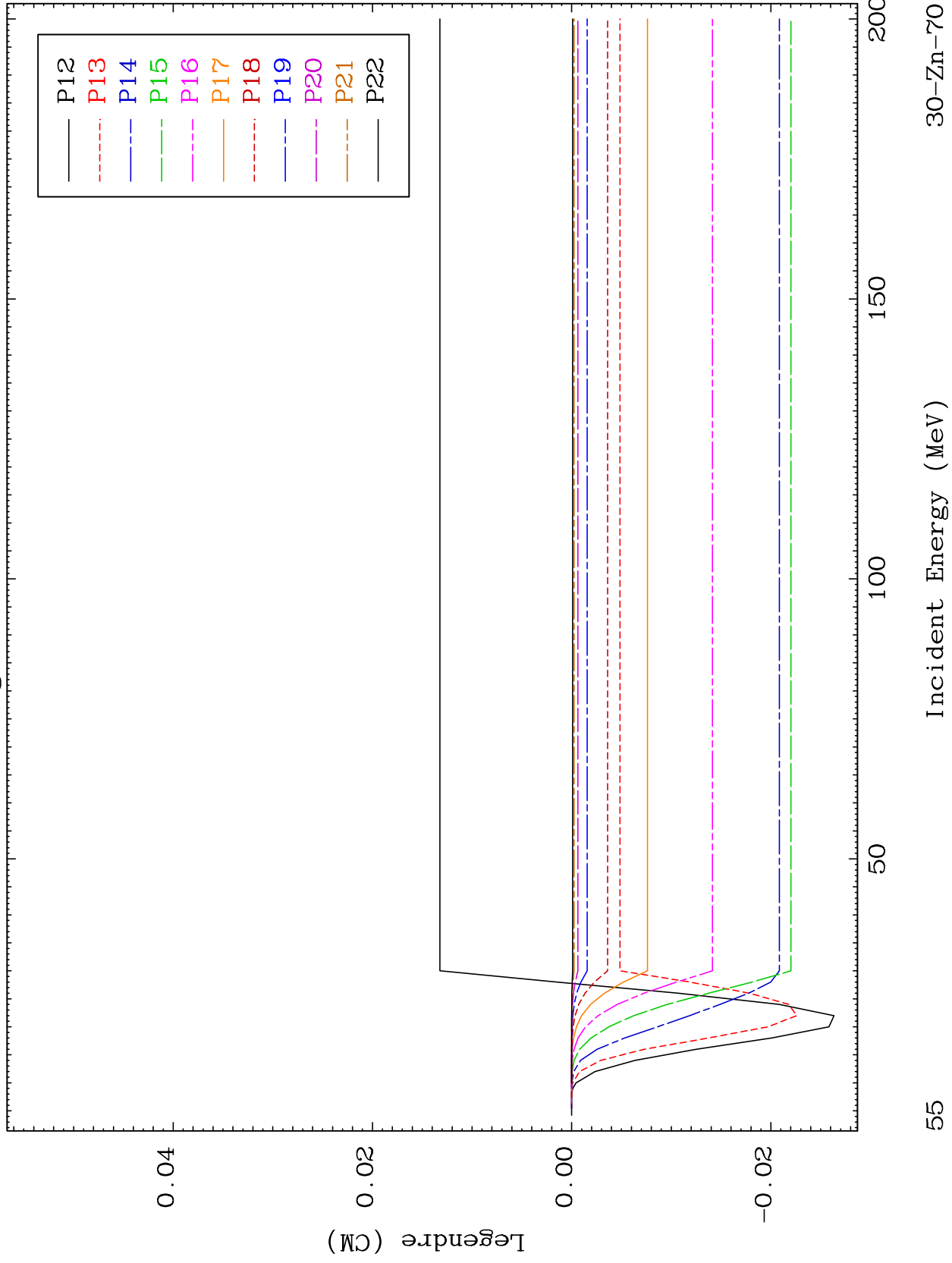




MAT 3043

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

30-Zn-70

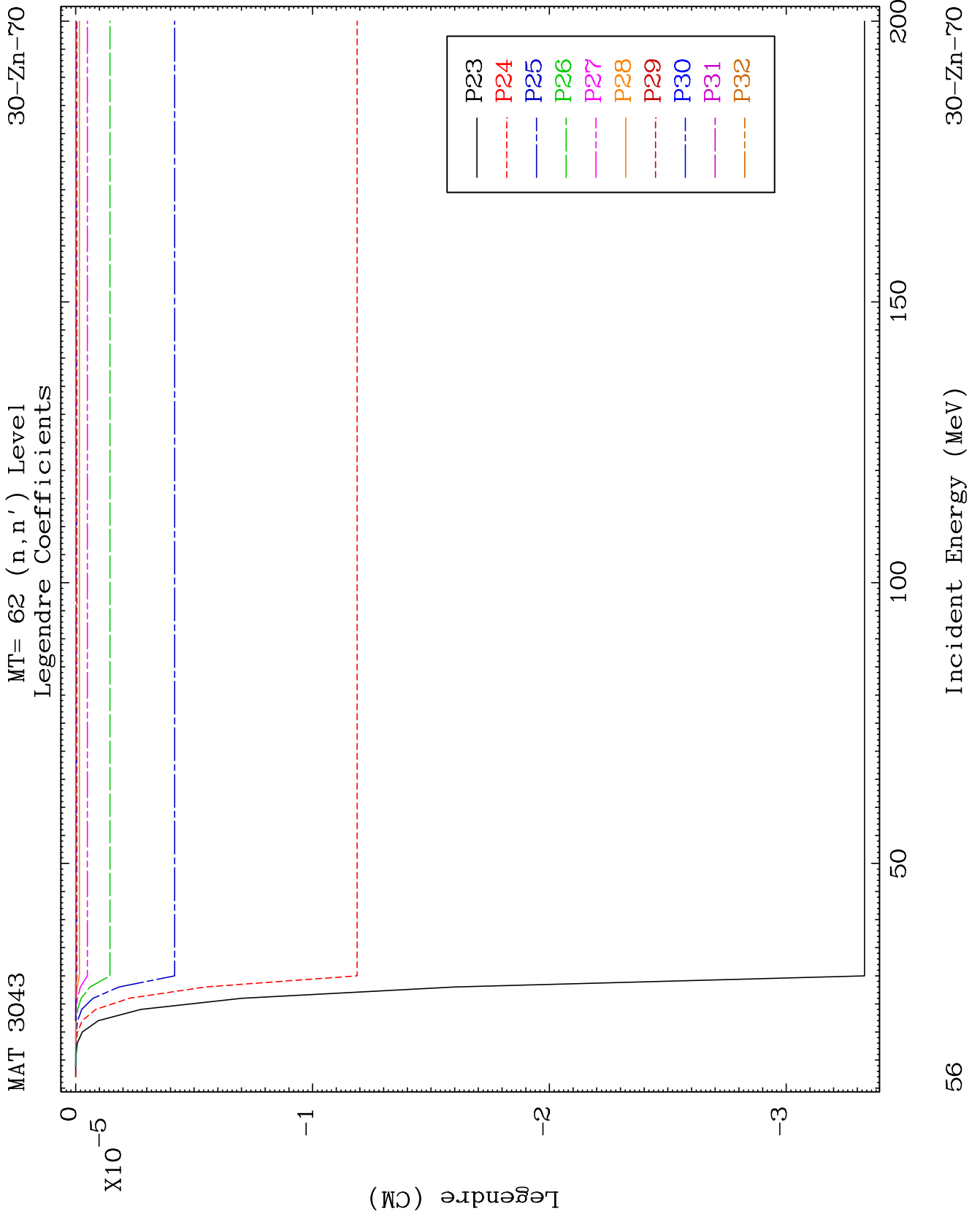


55

Incident Energy (MeV)

30-Zn-70

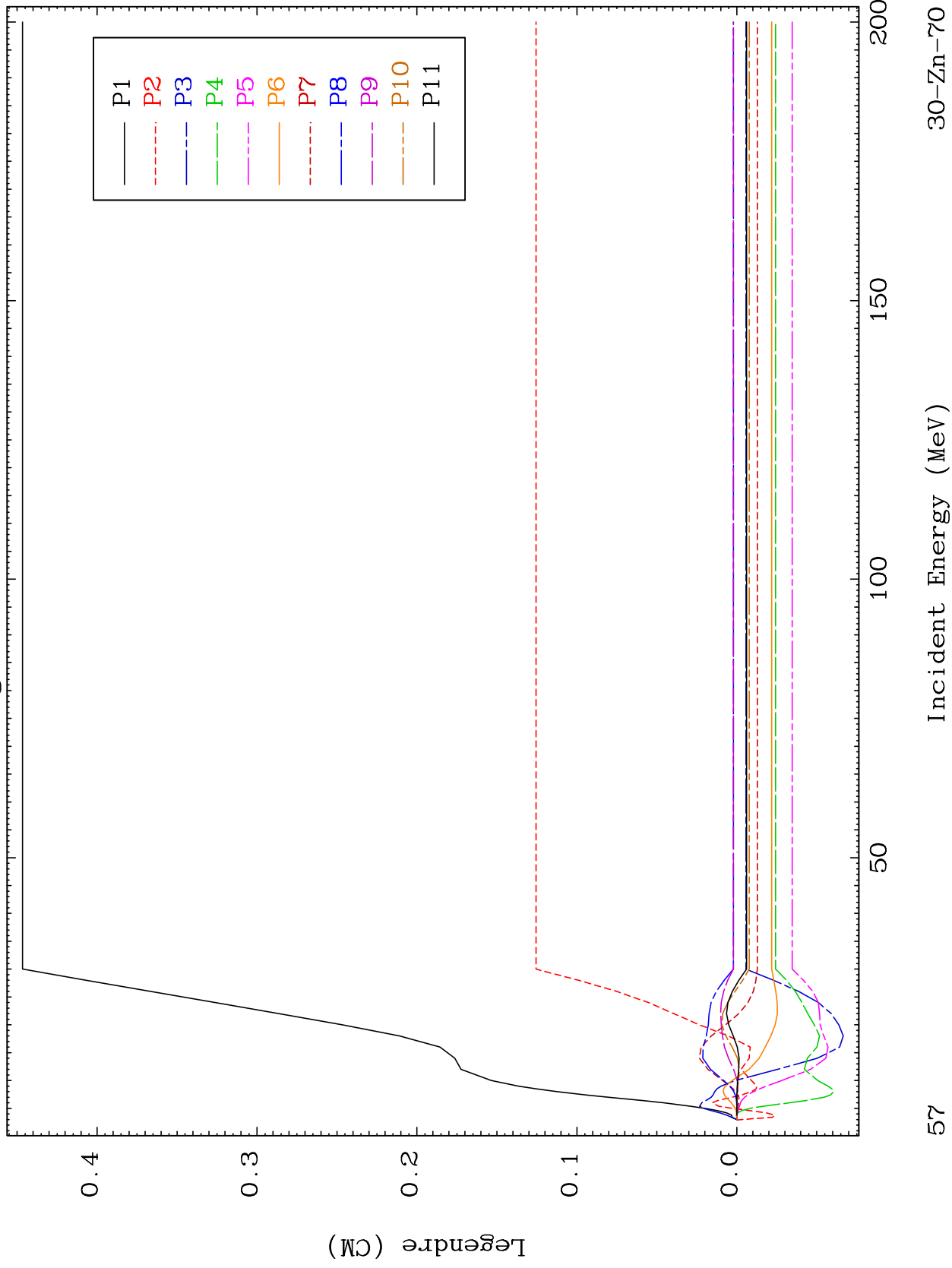




MAT 3043

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

30-Zn-70



57

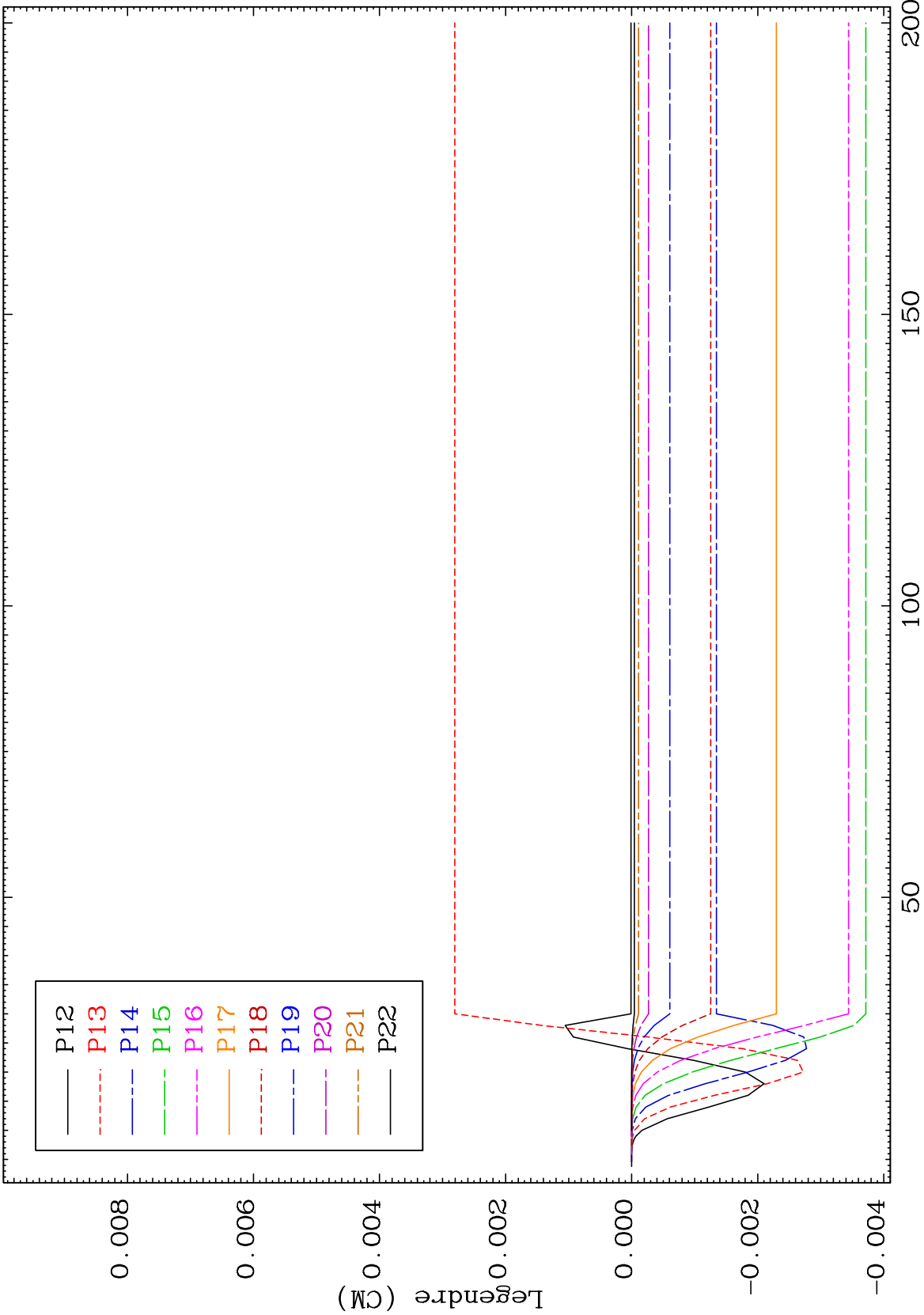
Incident Energy (MeV)

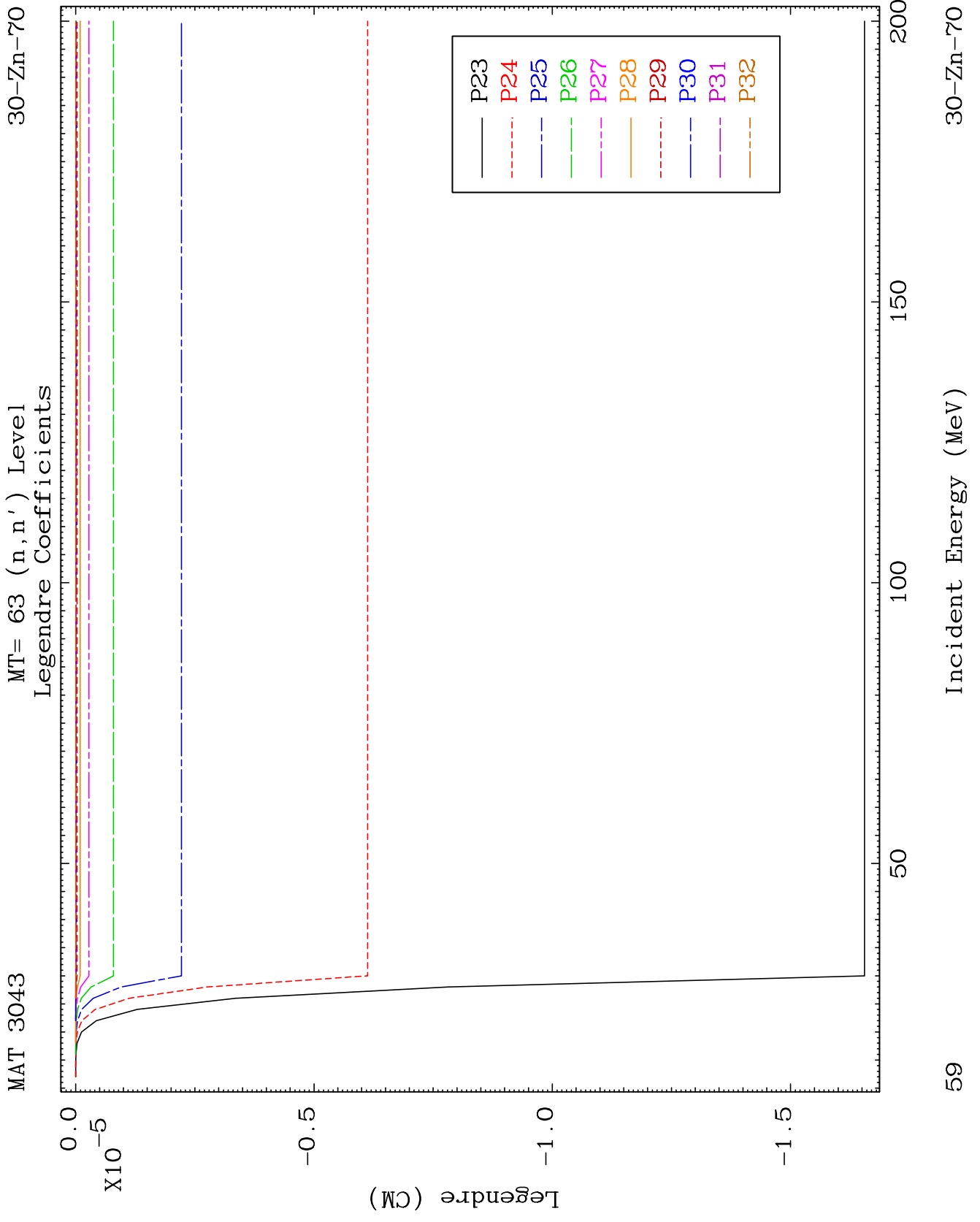
30-Zn-70

MAT 3043

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

30-Zn-70

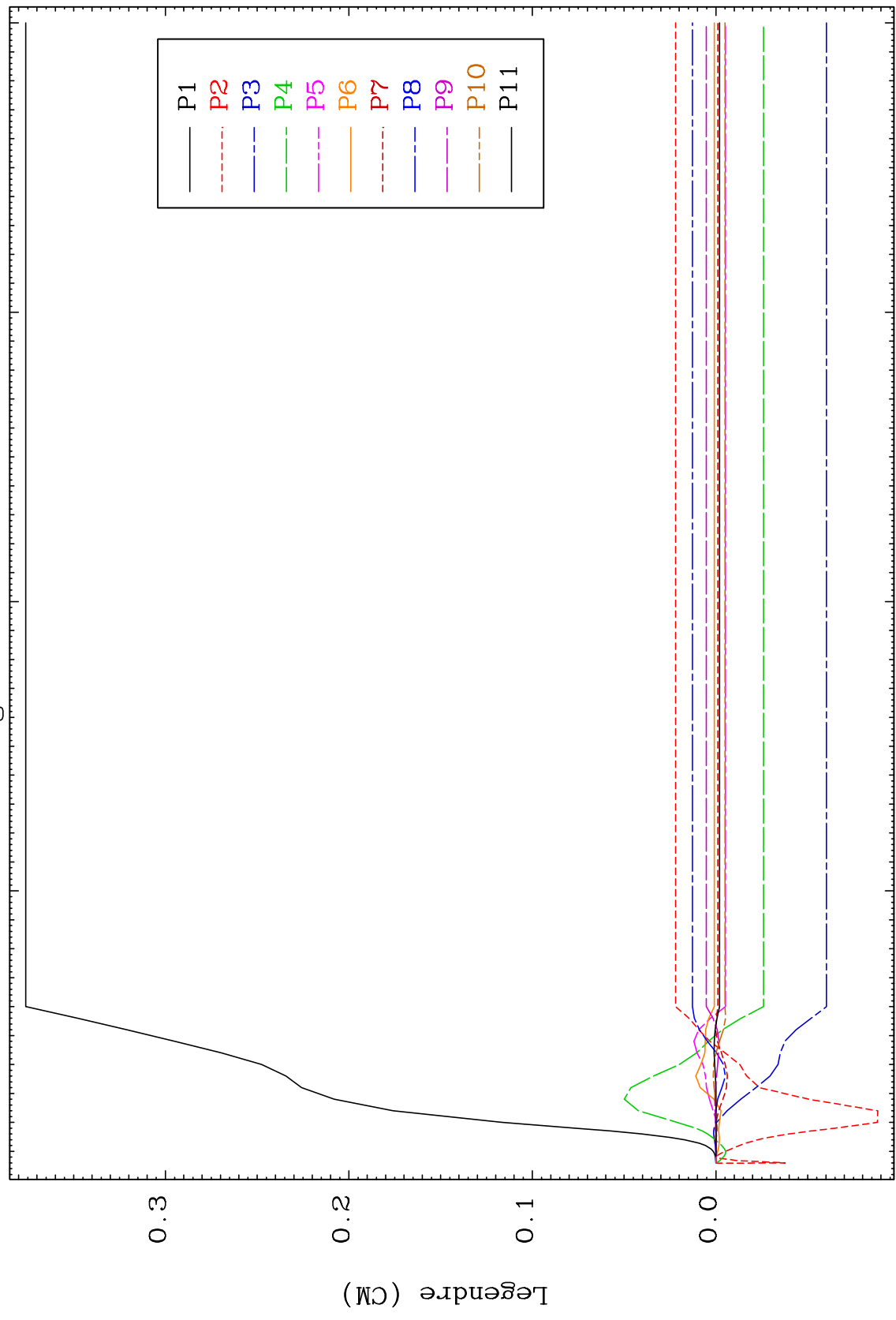




MAT 3043

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

30-Zn-70



60

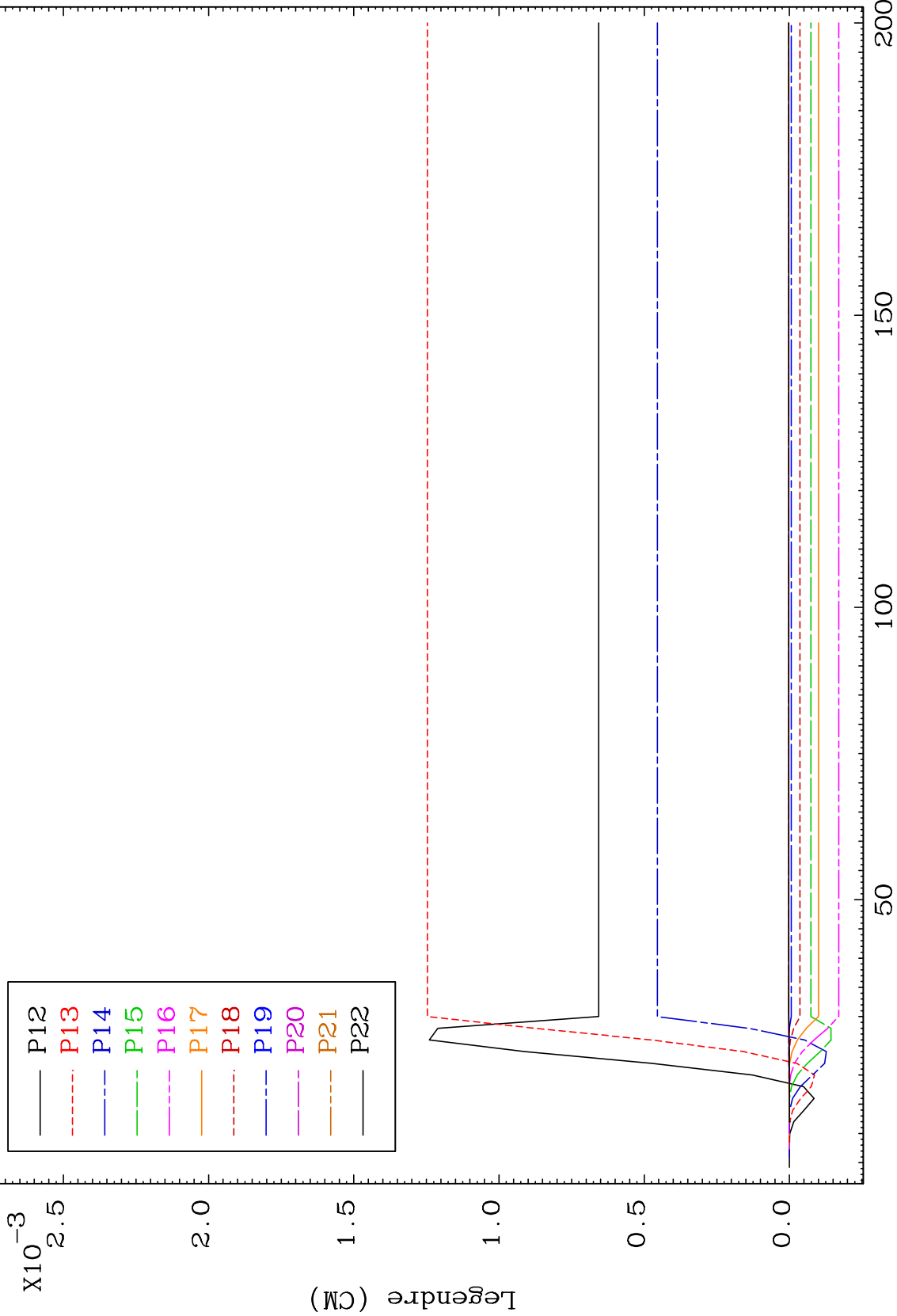
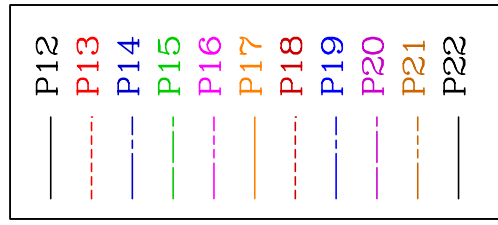
Incident Energy (MeV)

30-Zn-70

MAT 3043

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

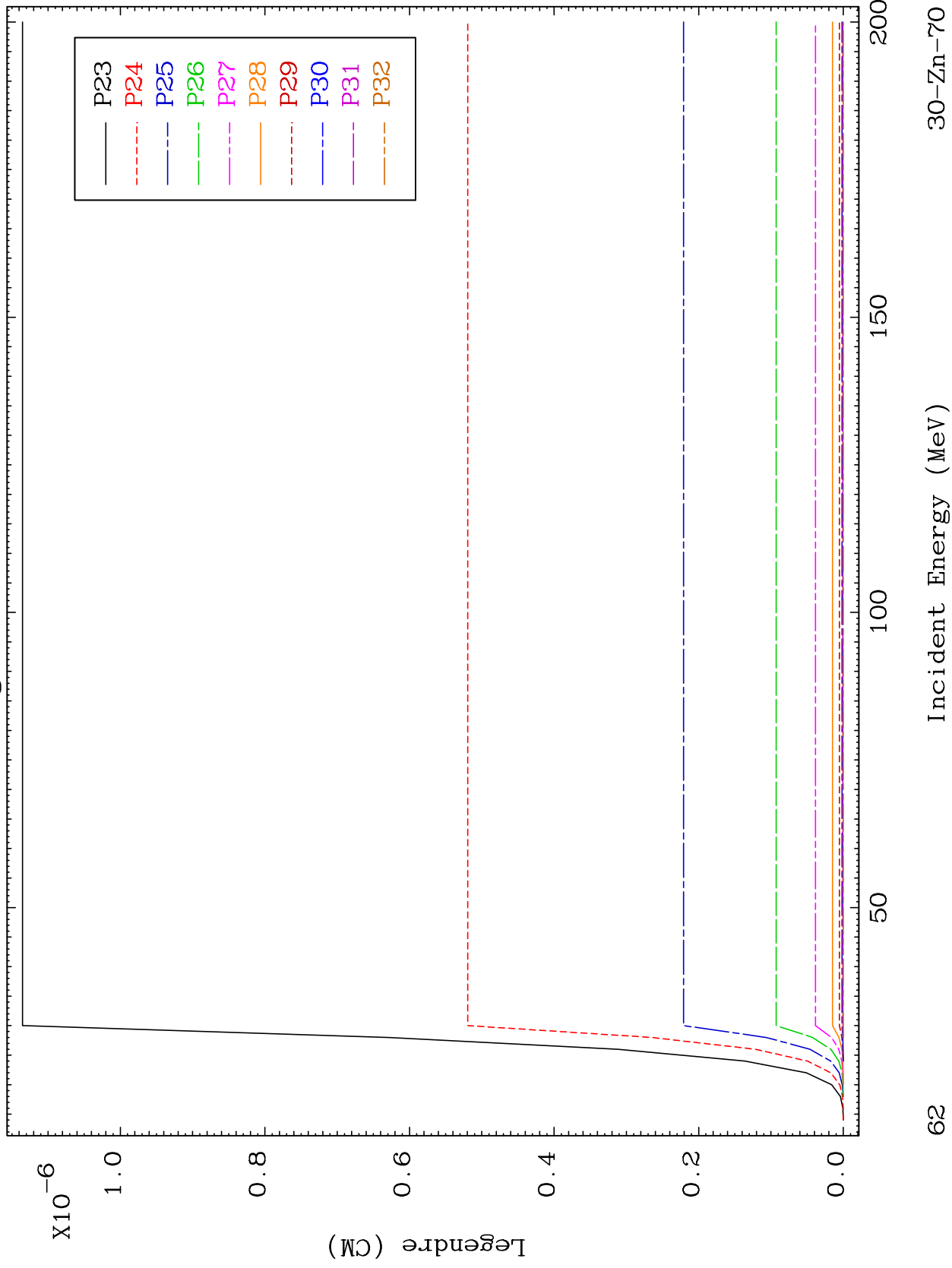
30-Zn-70



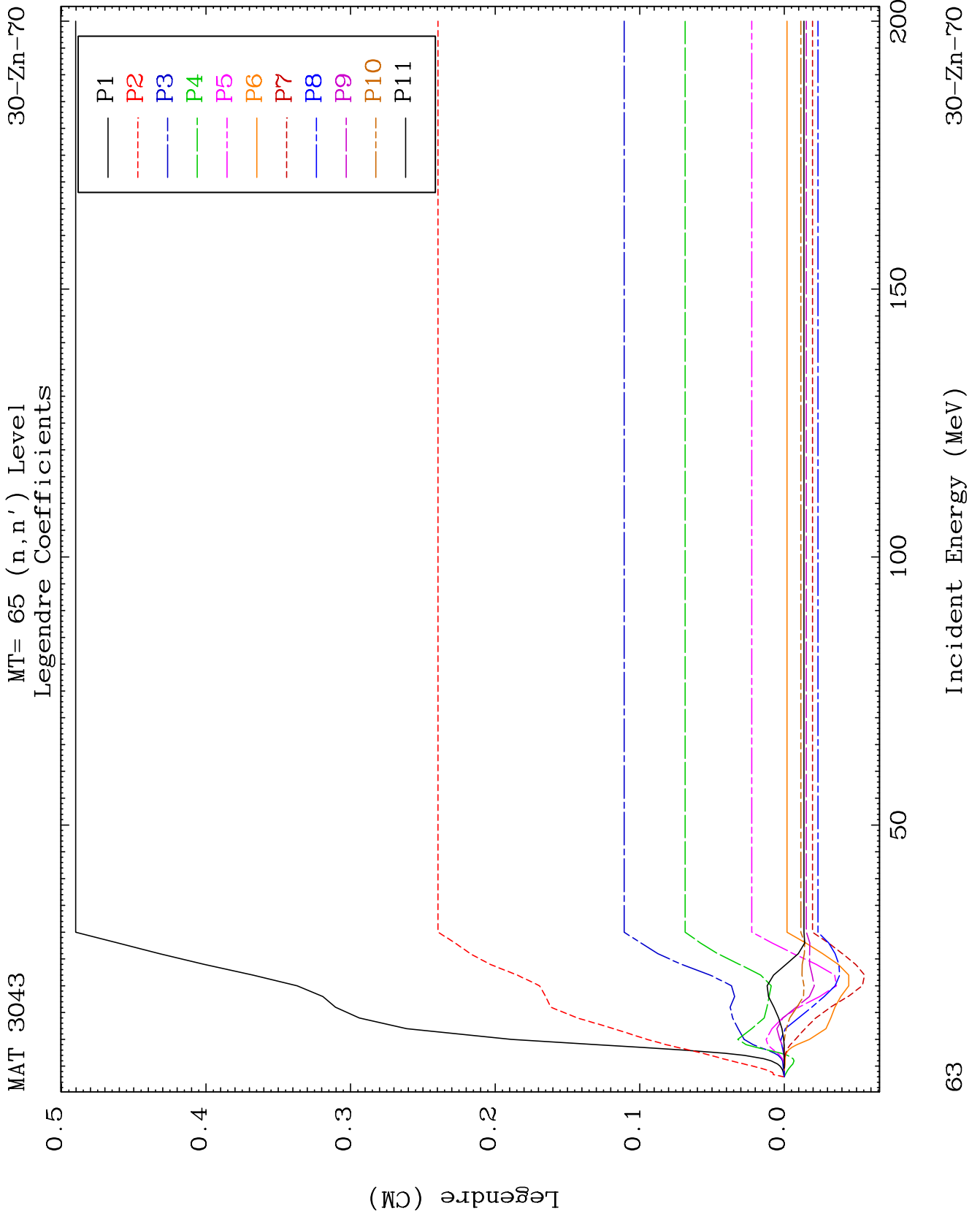
MAT 3043

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

30-Zn-70



62

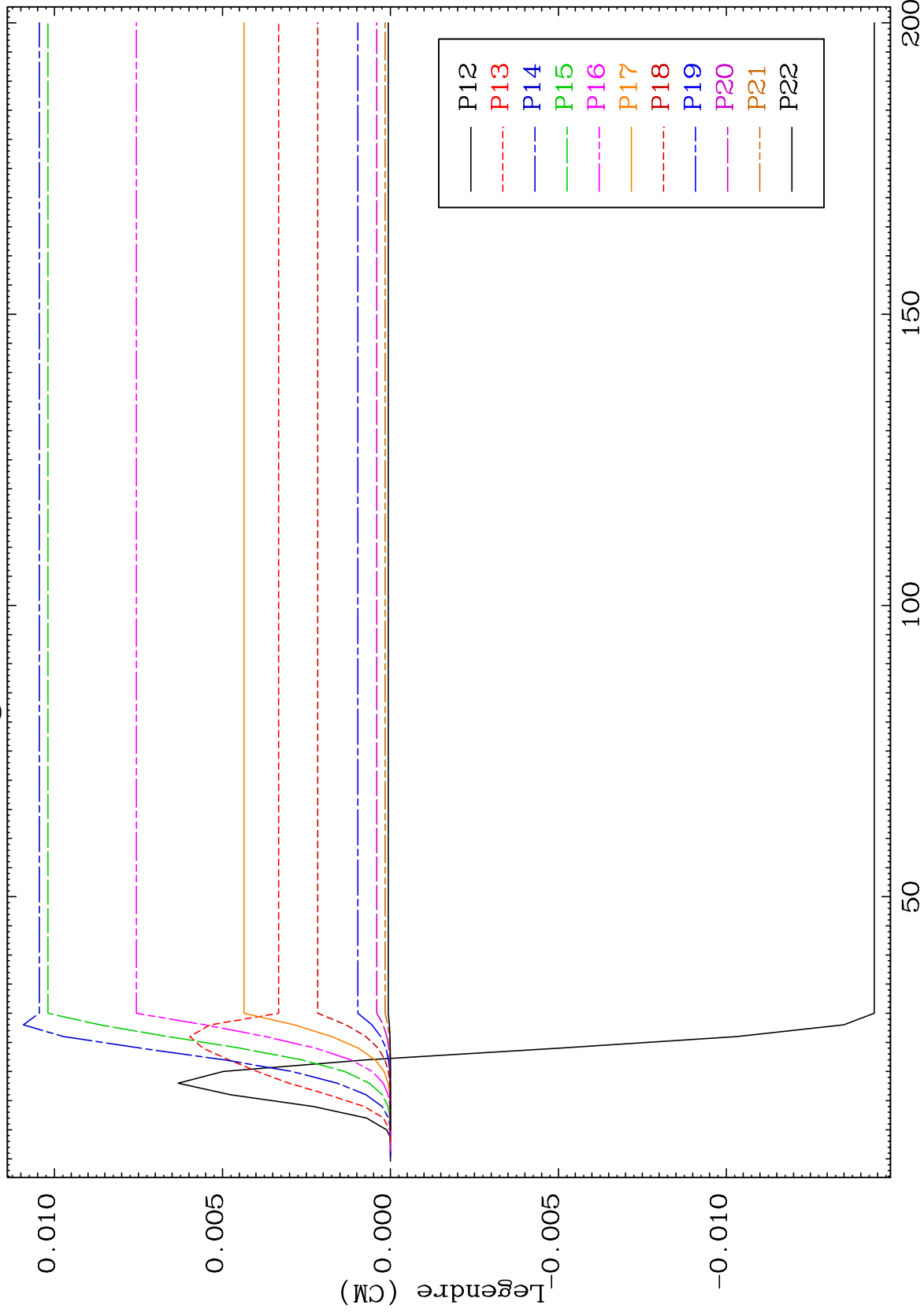




MAT 3043

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

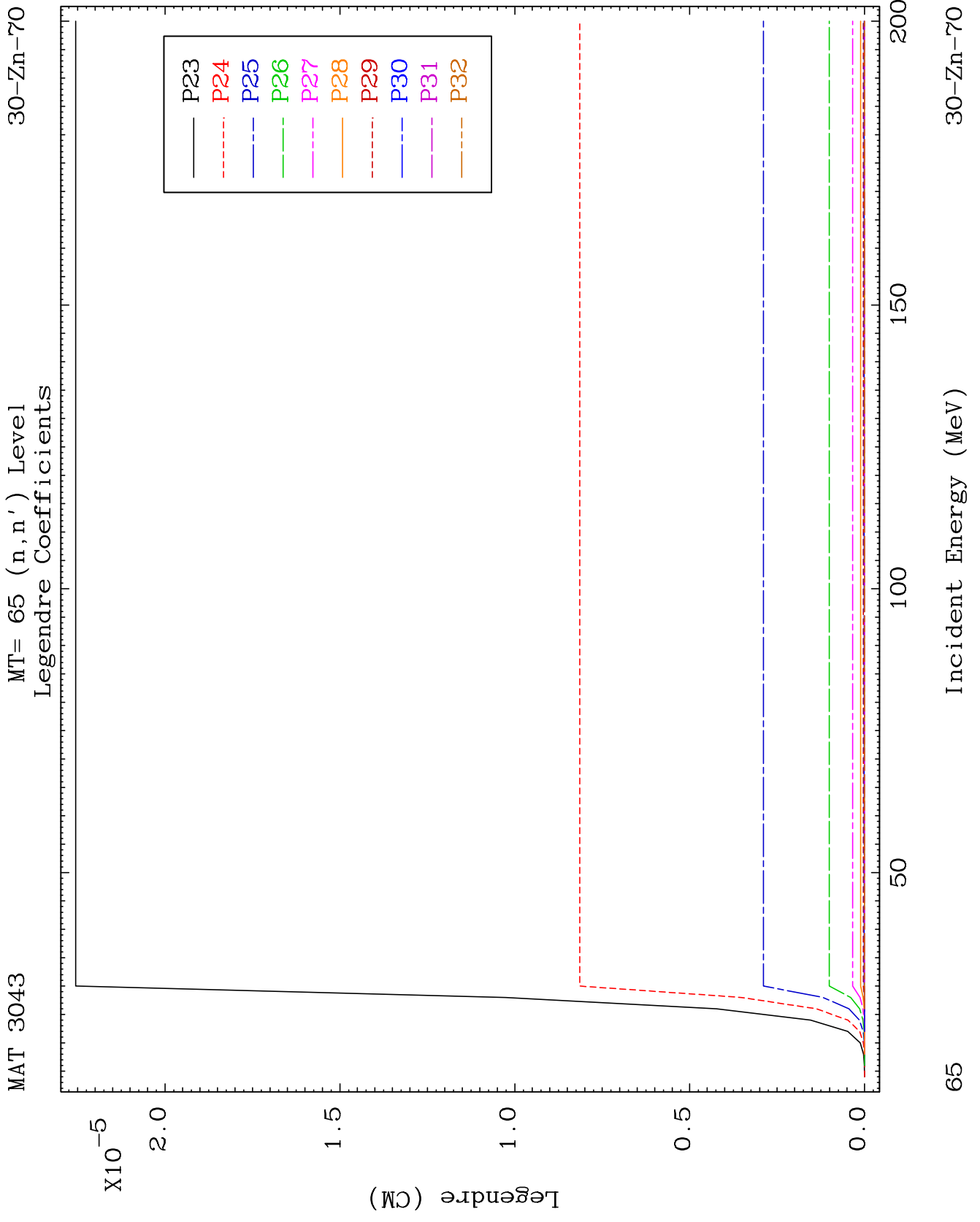
30-Zn-70



64

Incident Energy (MeV)

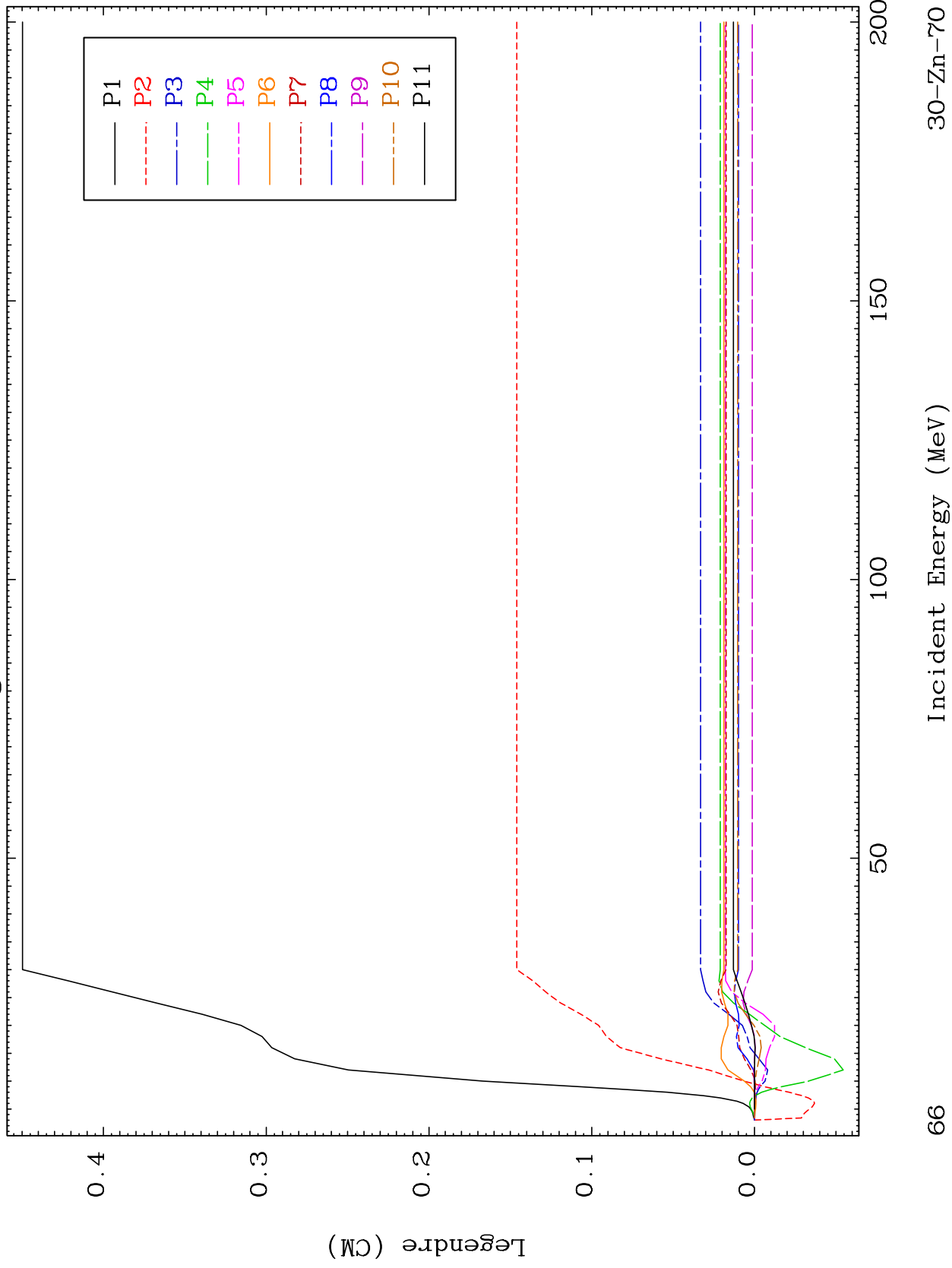
30-Zn-70



MAT 3043

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

30-Zn-70



66

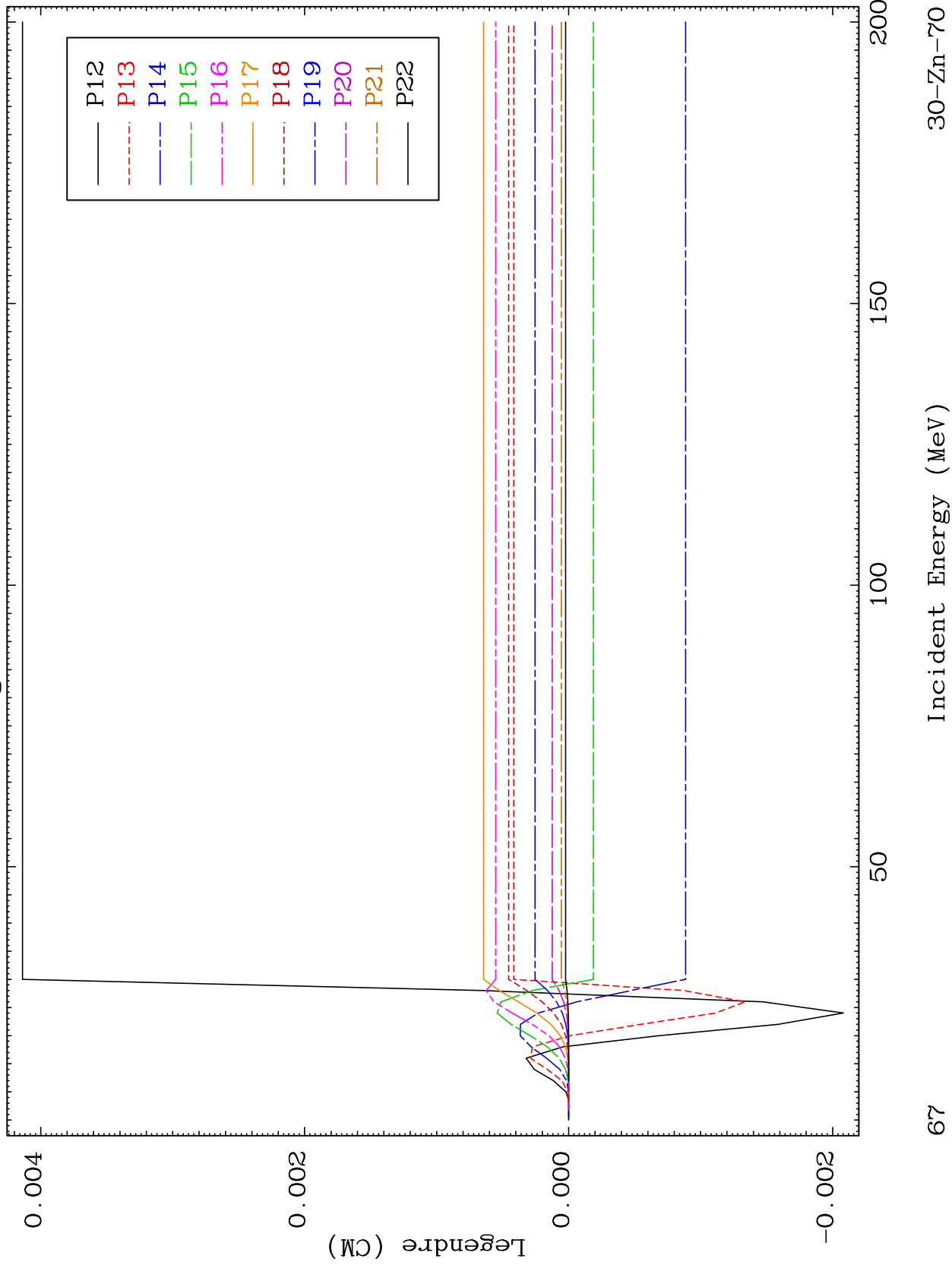
Incident Energy (MeV)

30-Zn-70

MAT 3043

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

30-Zn-70



67

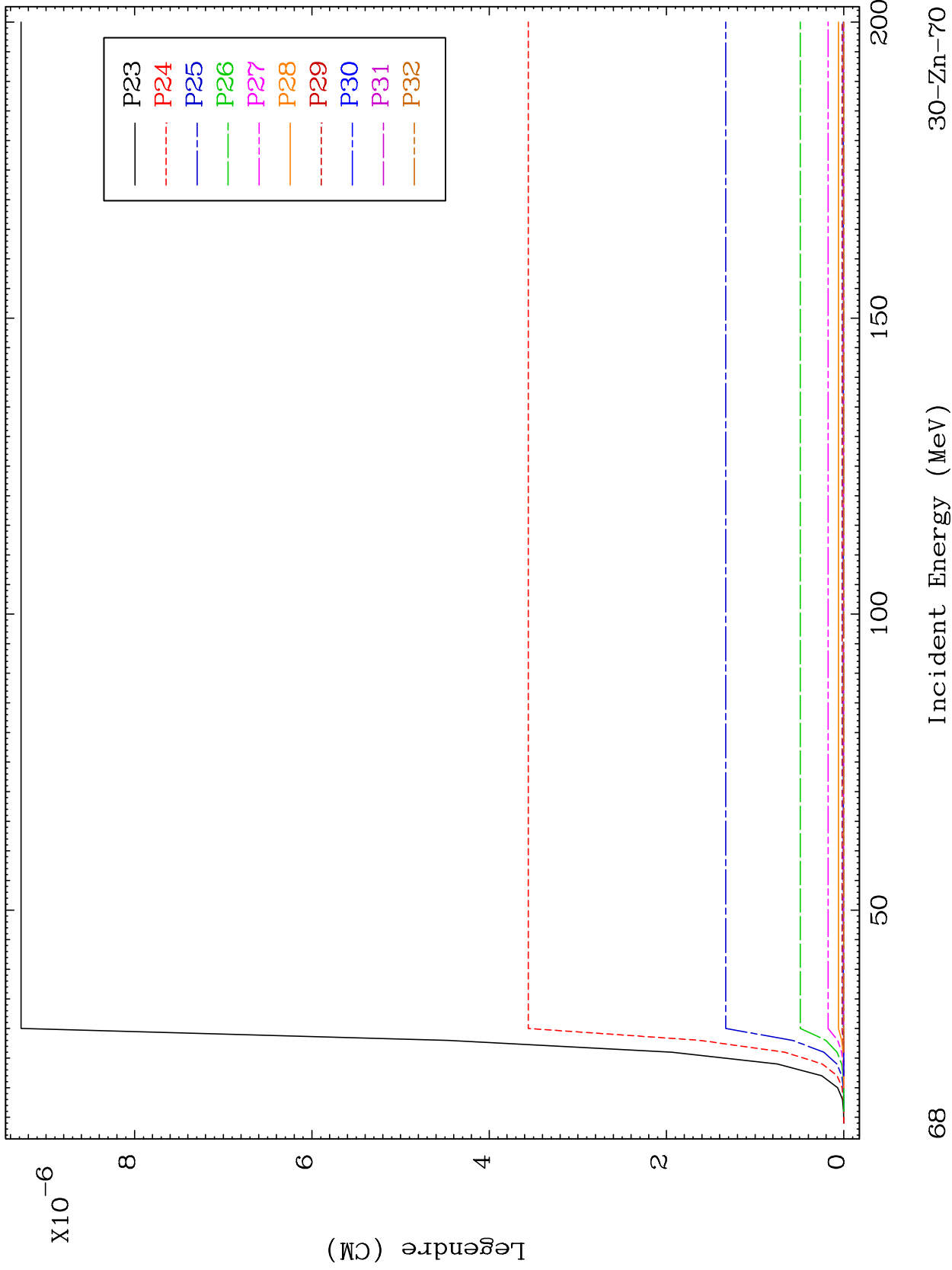
Incident Energy (MeV)

30-Zn-70

MAT 3043

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

30-Zn-70



68

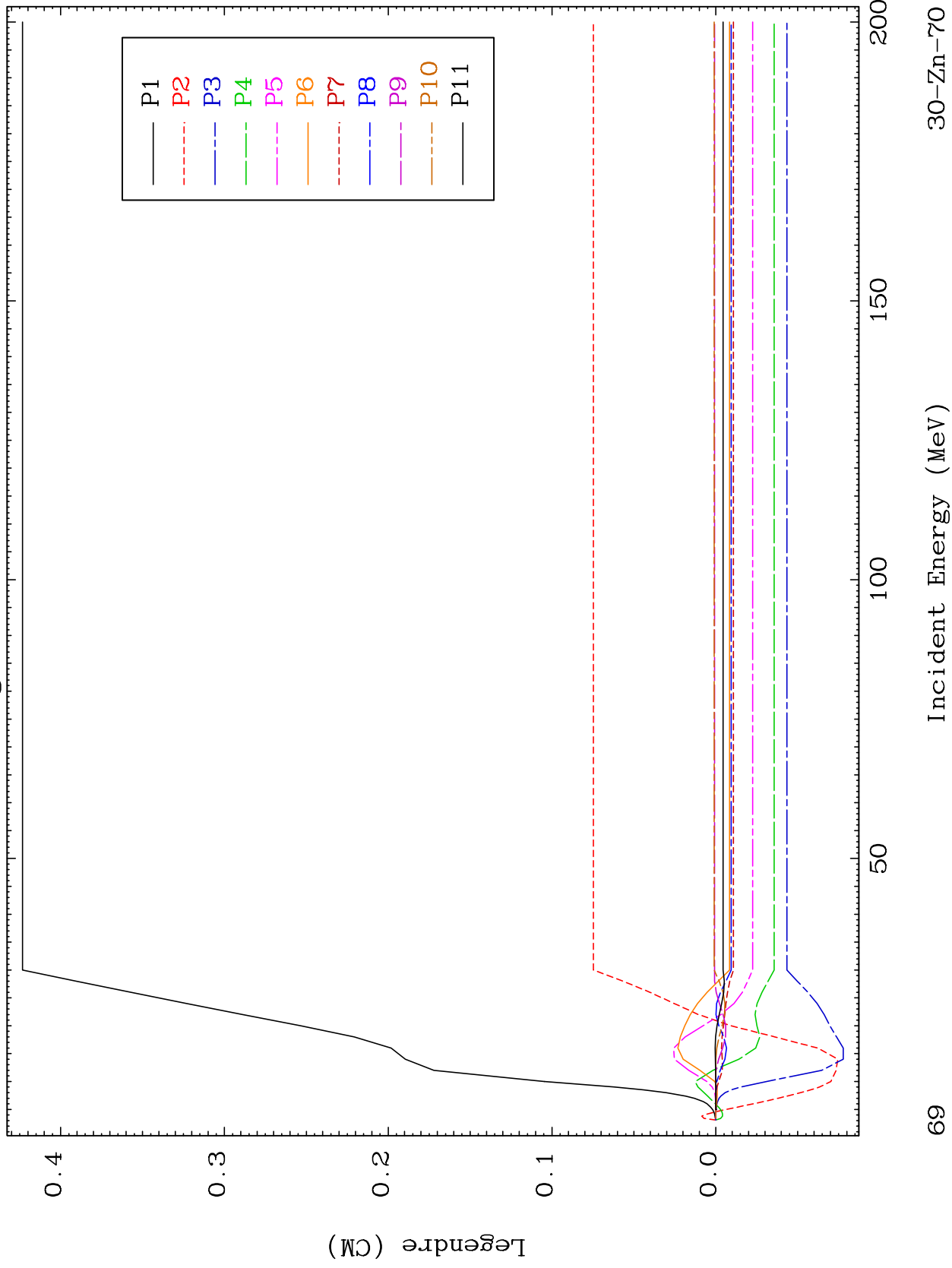
Incident Energy (MeV)

30-Zn-70

MAT 3043

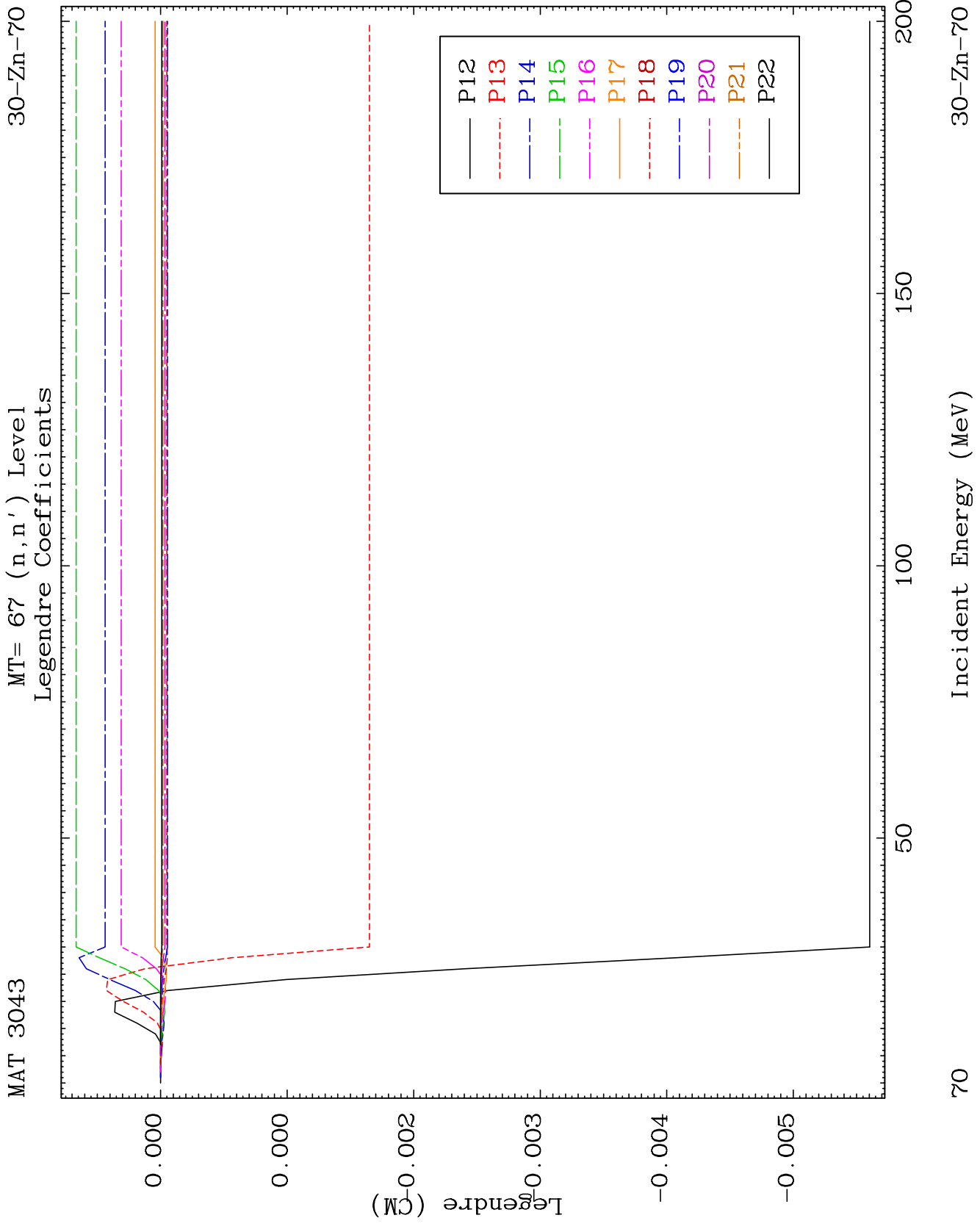
MT= 67 (n,n') Level  
Legendre Coefficients

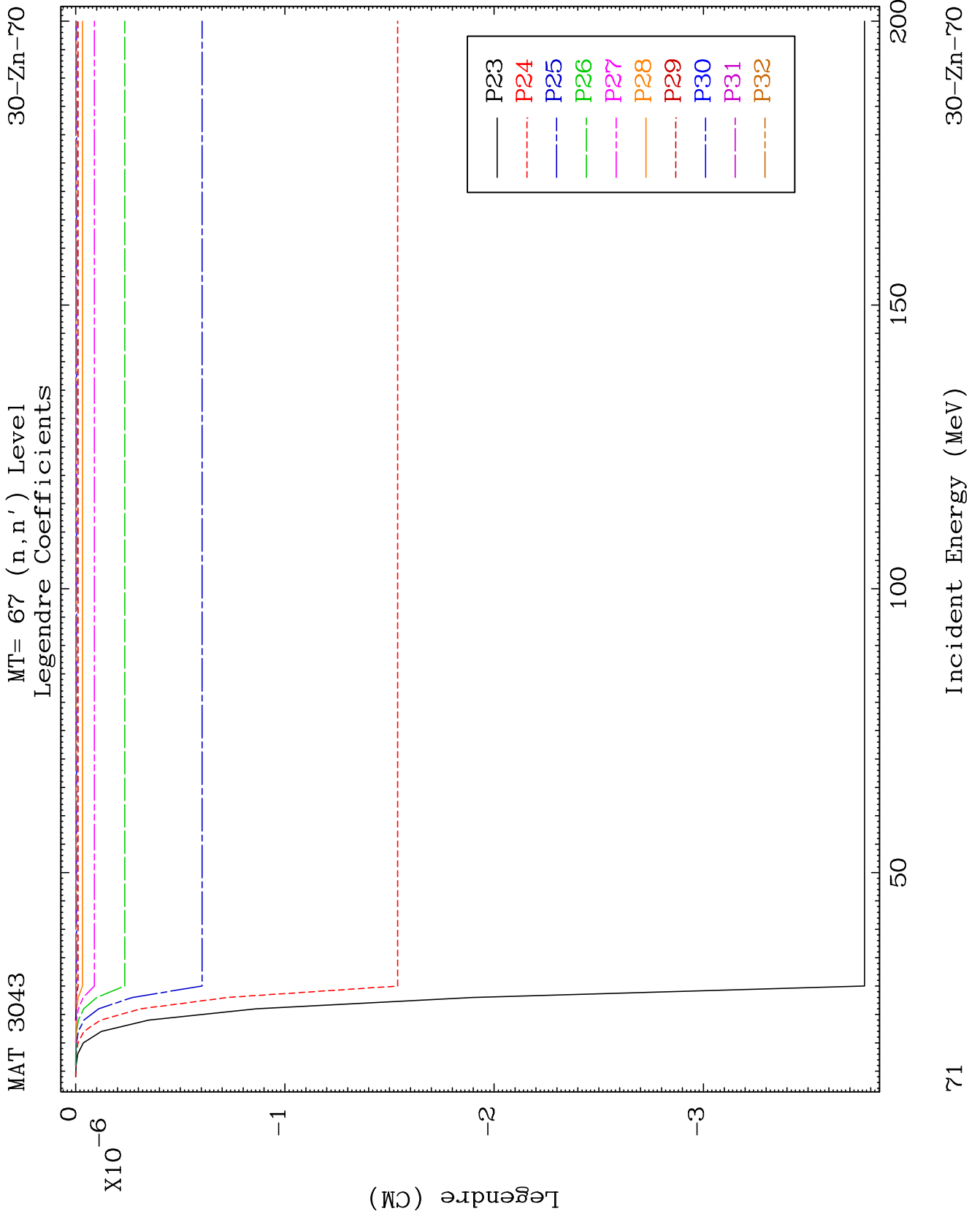
30-Zn-70



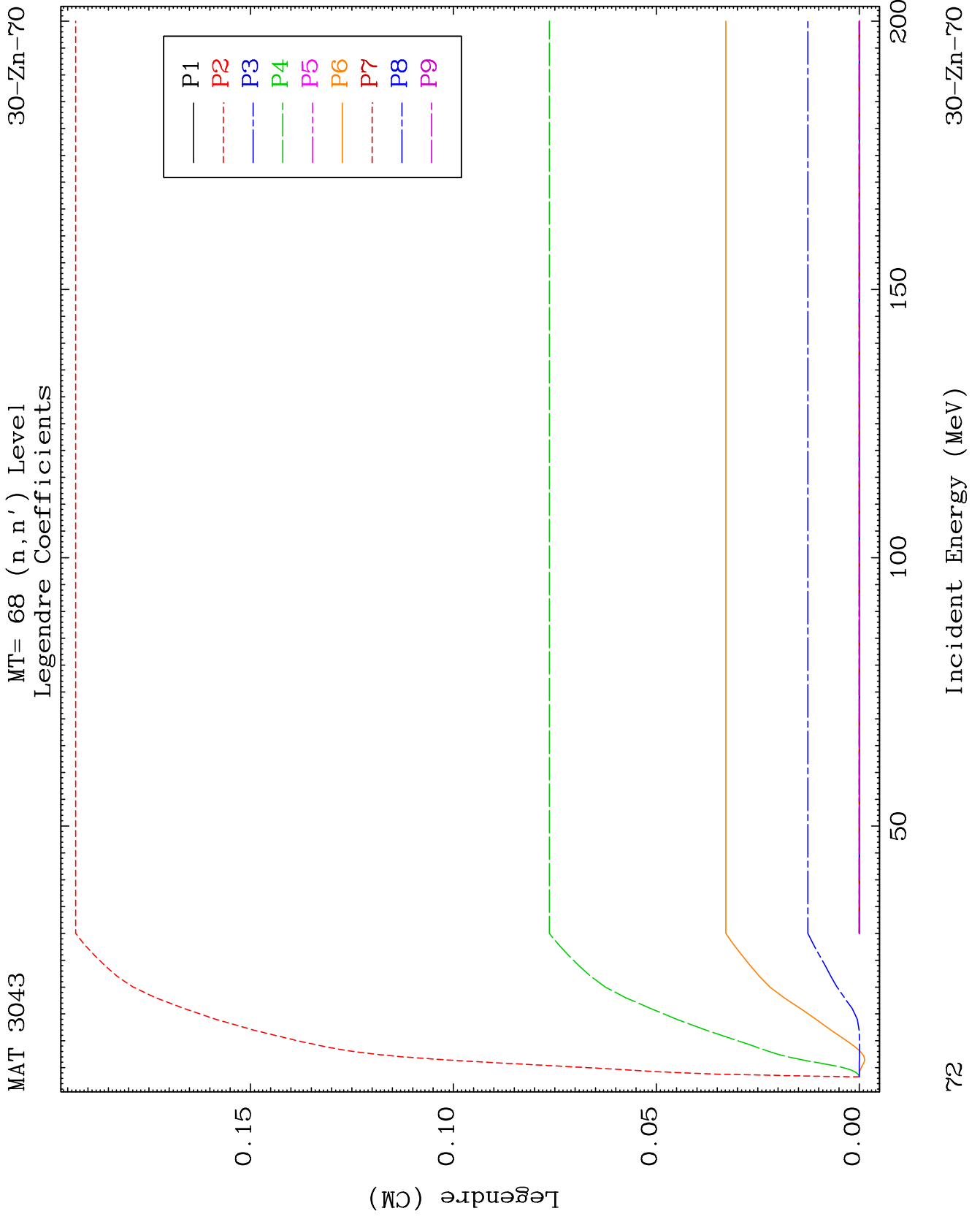
69

30-Zn-70





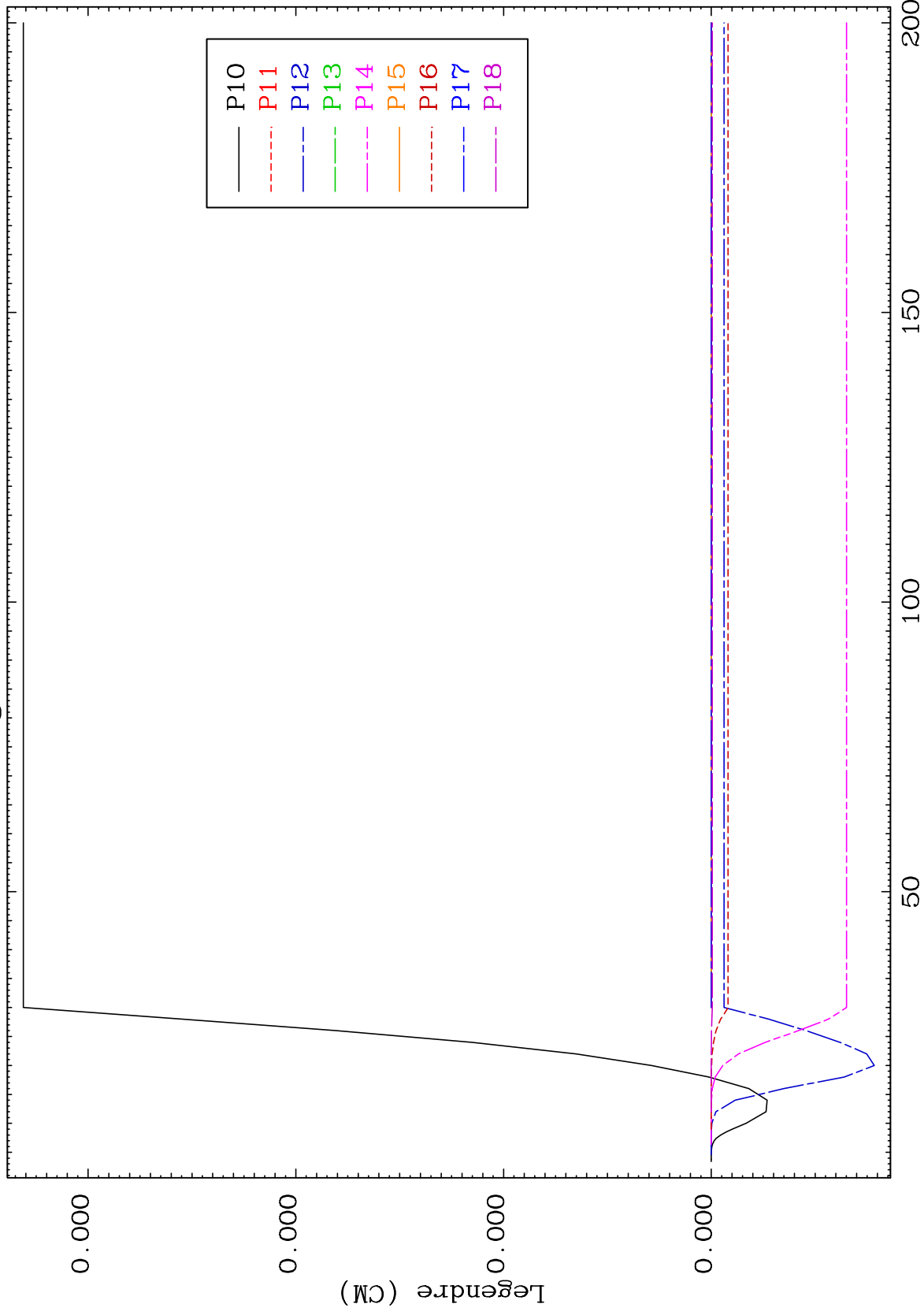




MAT 3043

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

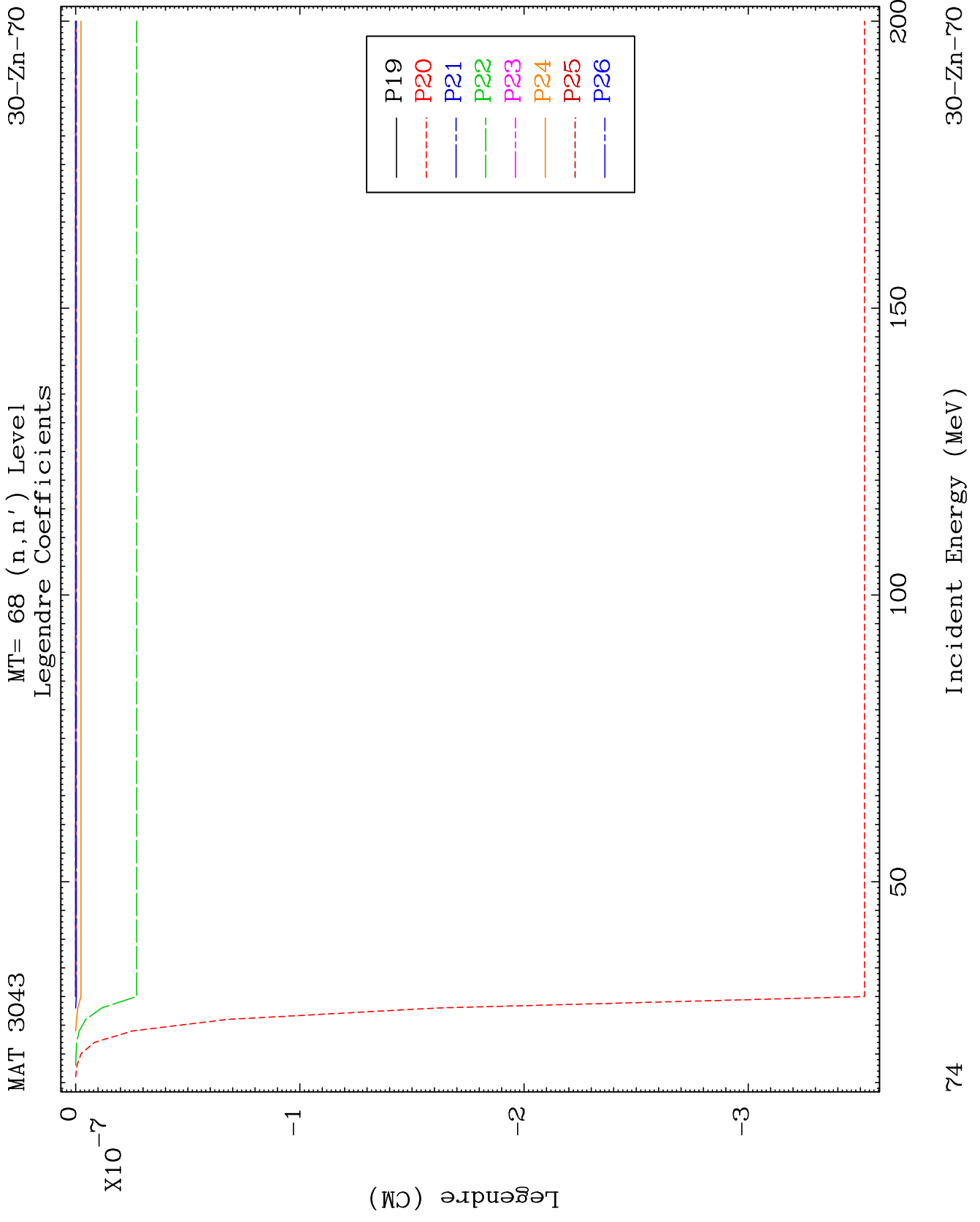
30-Zn-70



73

Incident Energy (MeV)

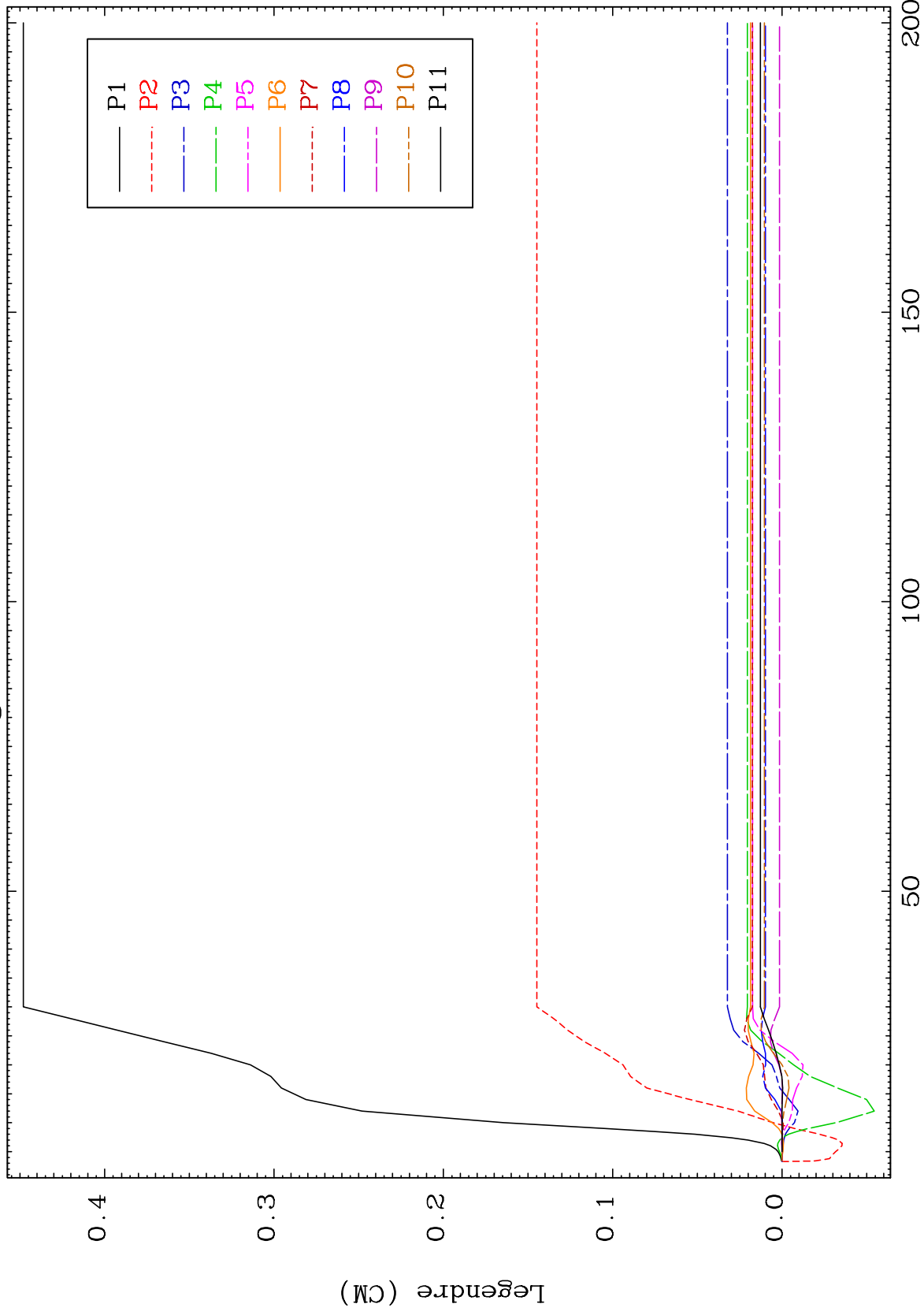
30-Zn-70



MAT 3043

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

30-Zn-70



75

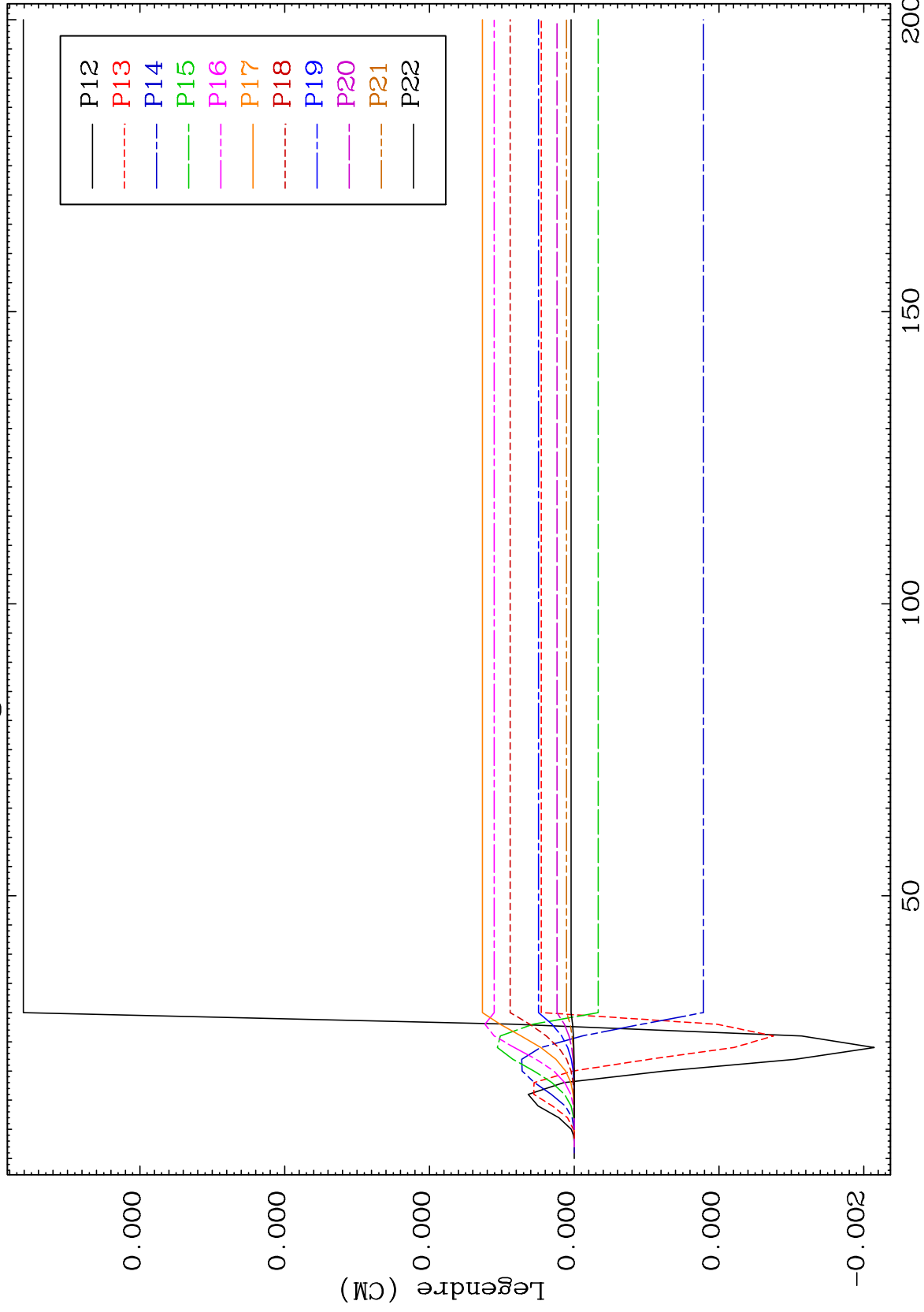
Incident Energy (MeV)

30-Zn-70

MAT 3043

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

30-Zn-70



76

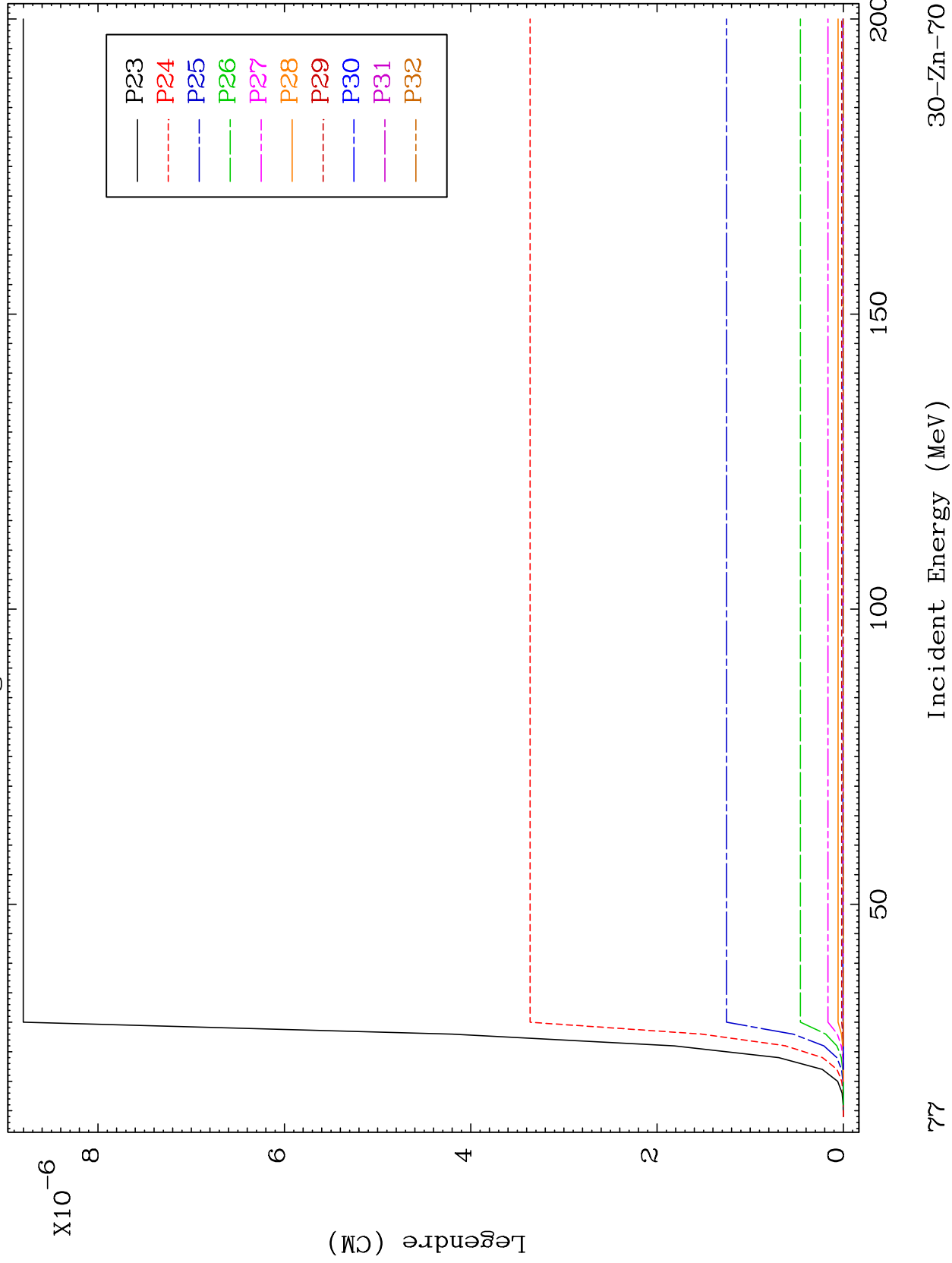
Incident Energy (MeV)

30-Zn-70

MAT 3043

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

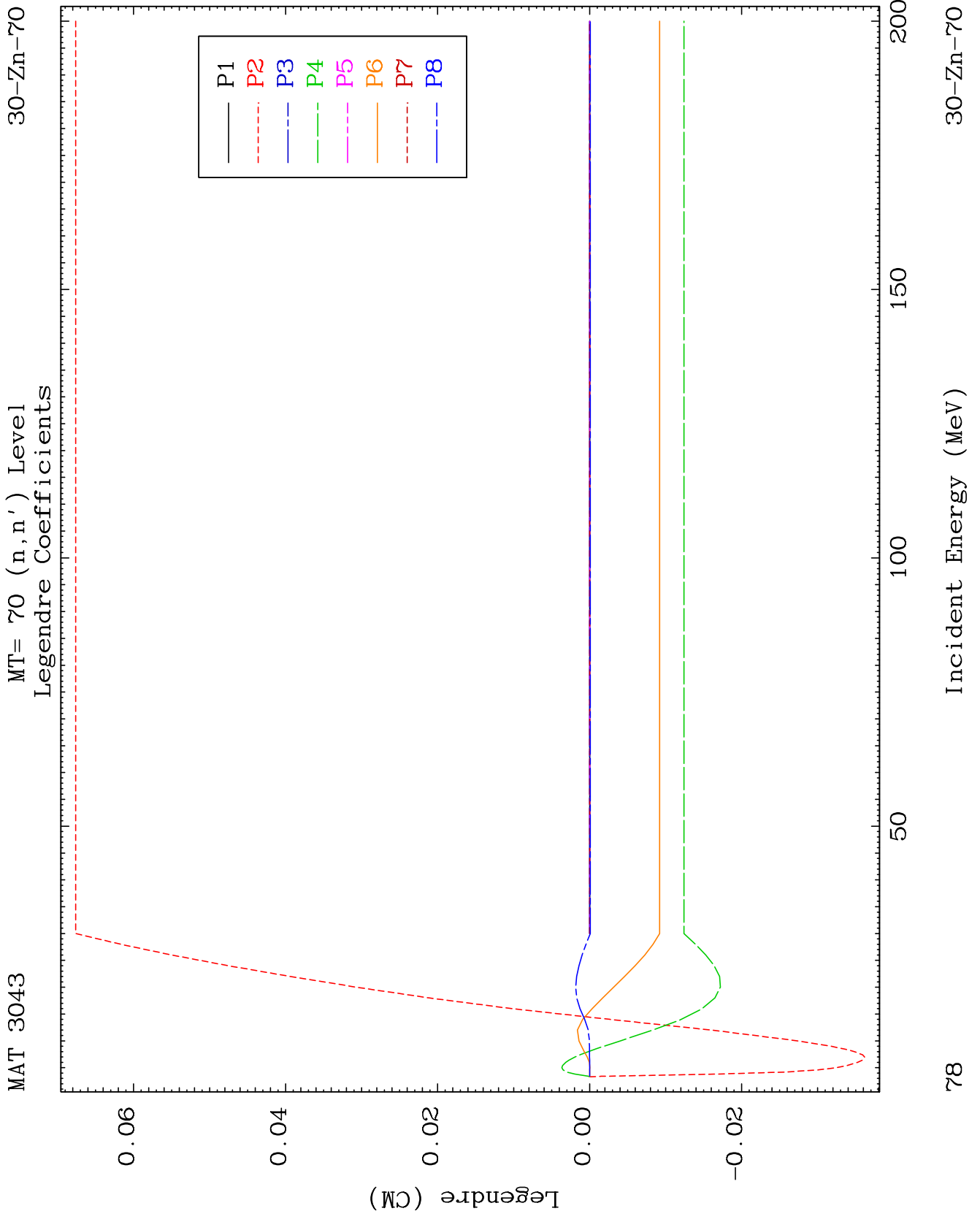
30-Zn-70

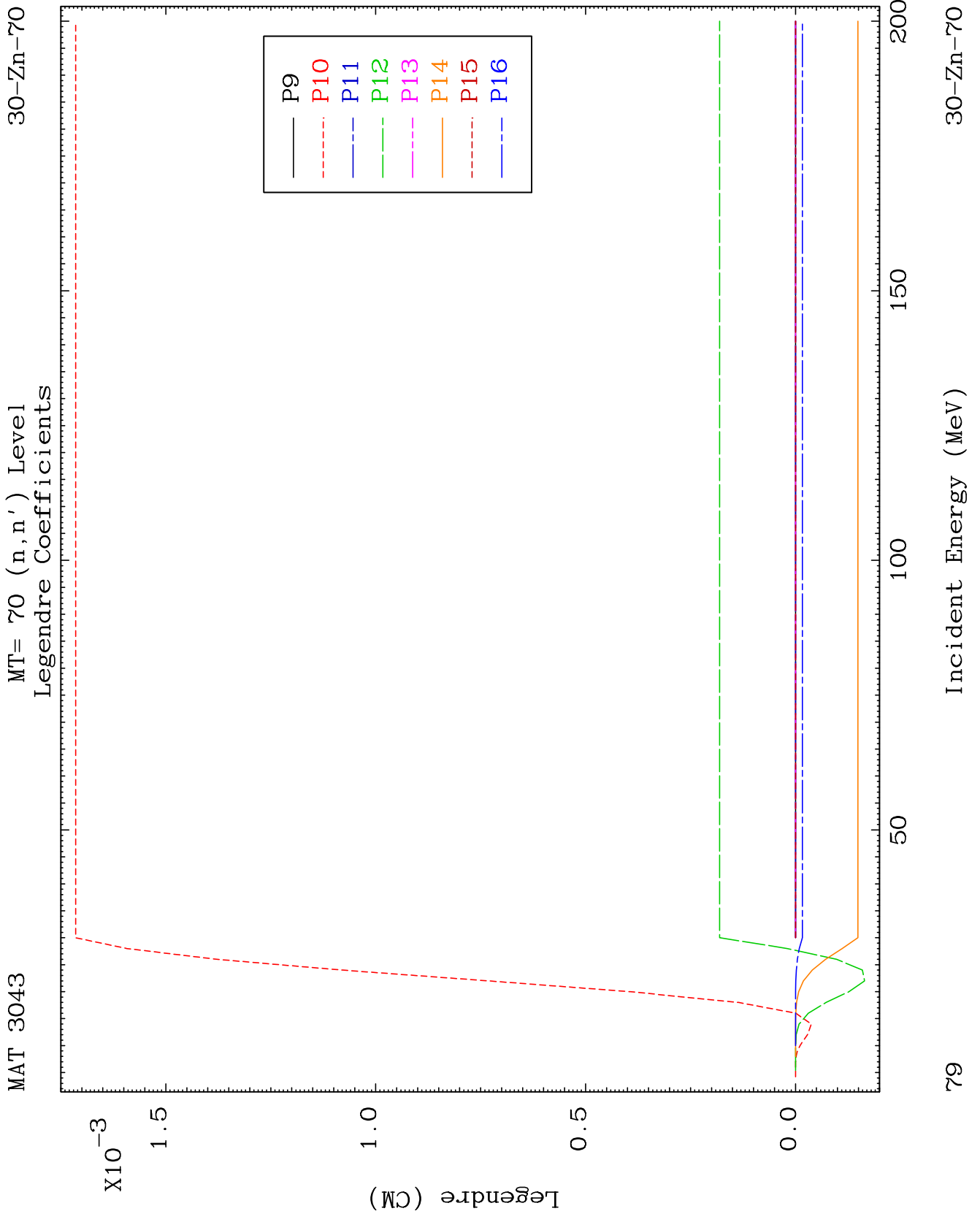


77

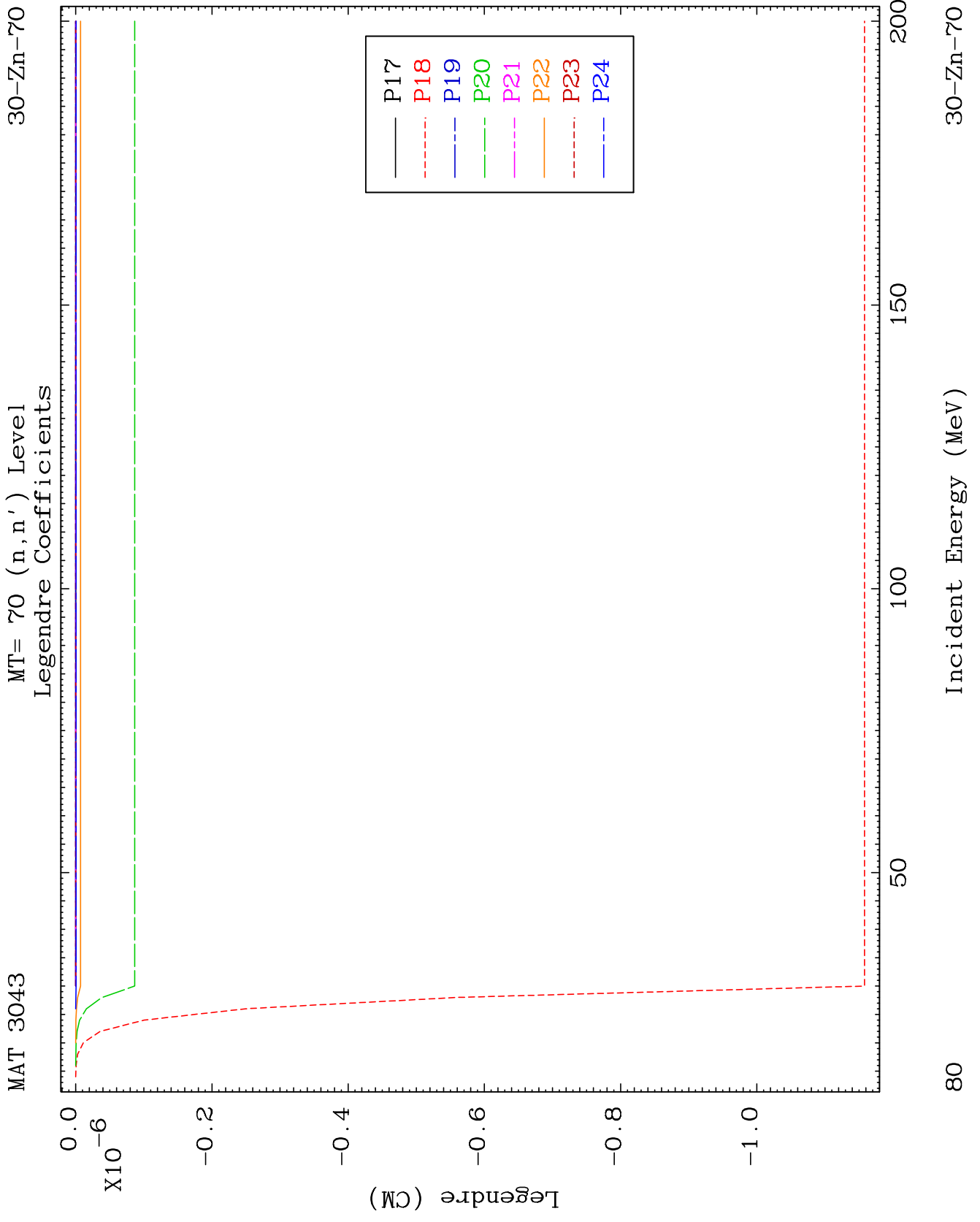
Incident Energy (MeV)

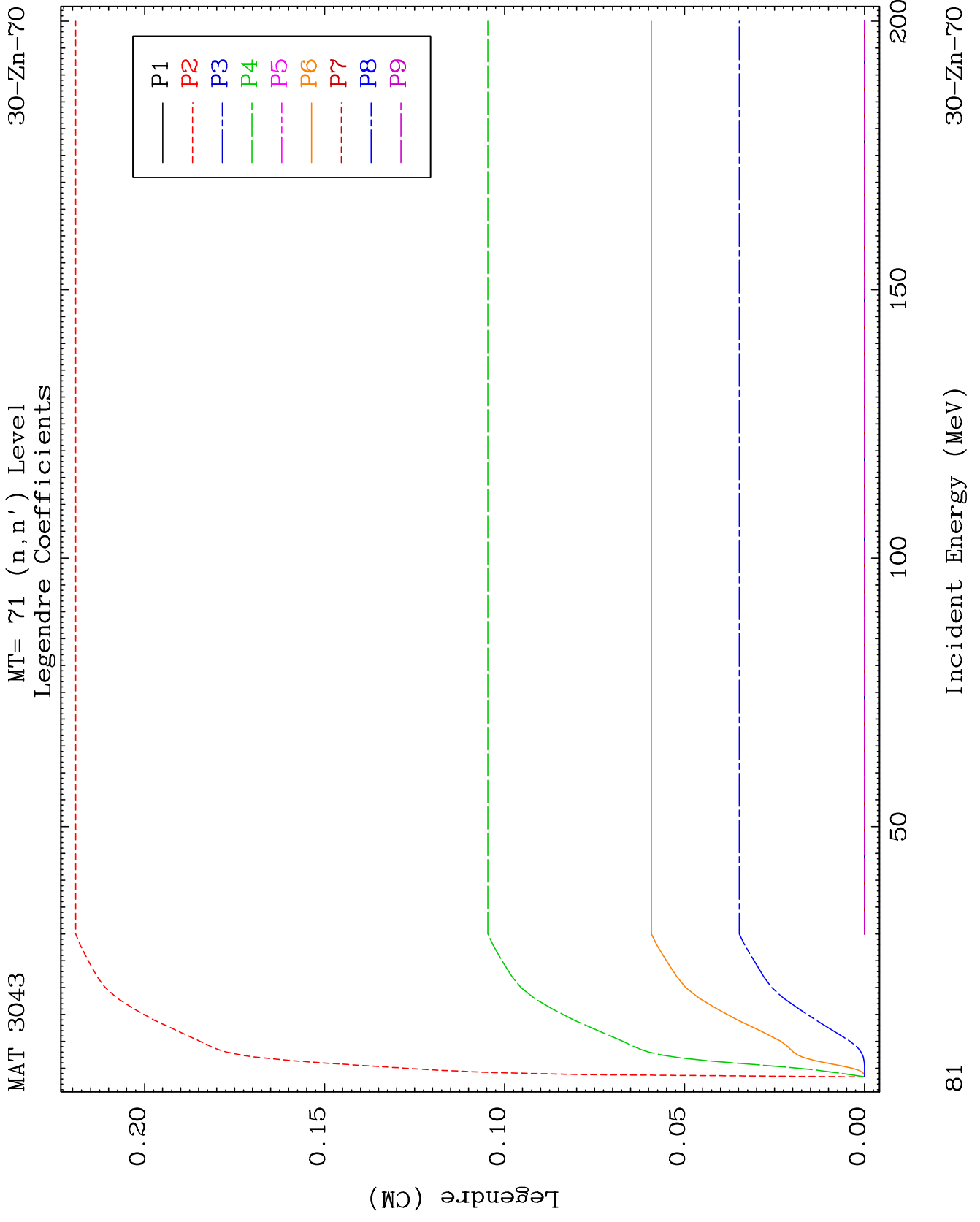
30-Zn-70







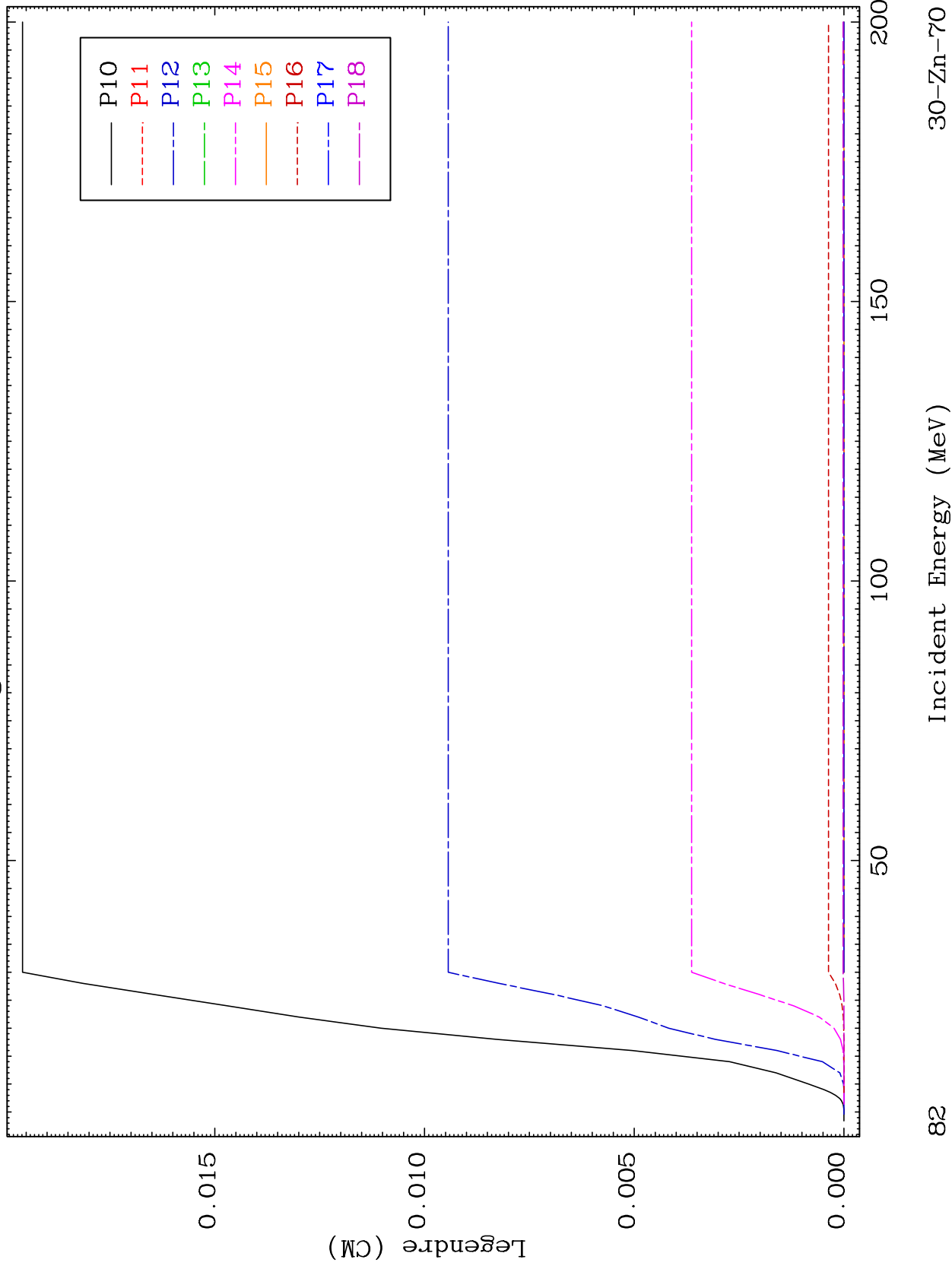




MAT 3043

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

30-Zn-70

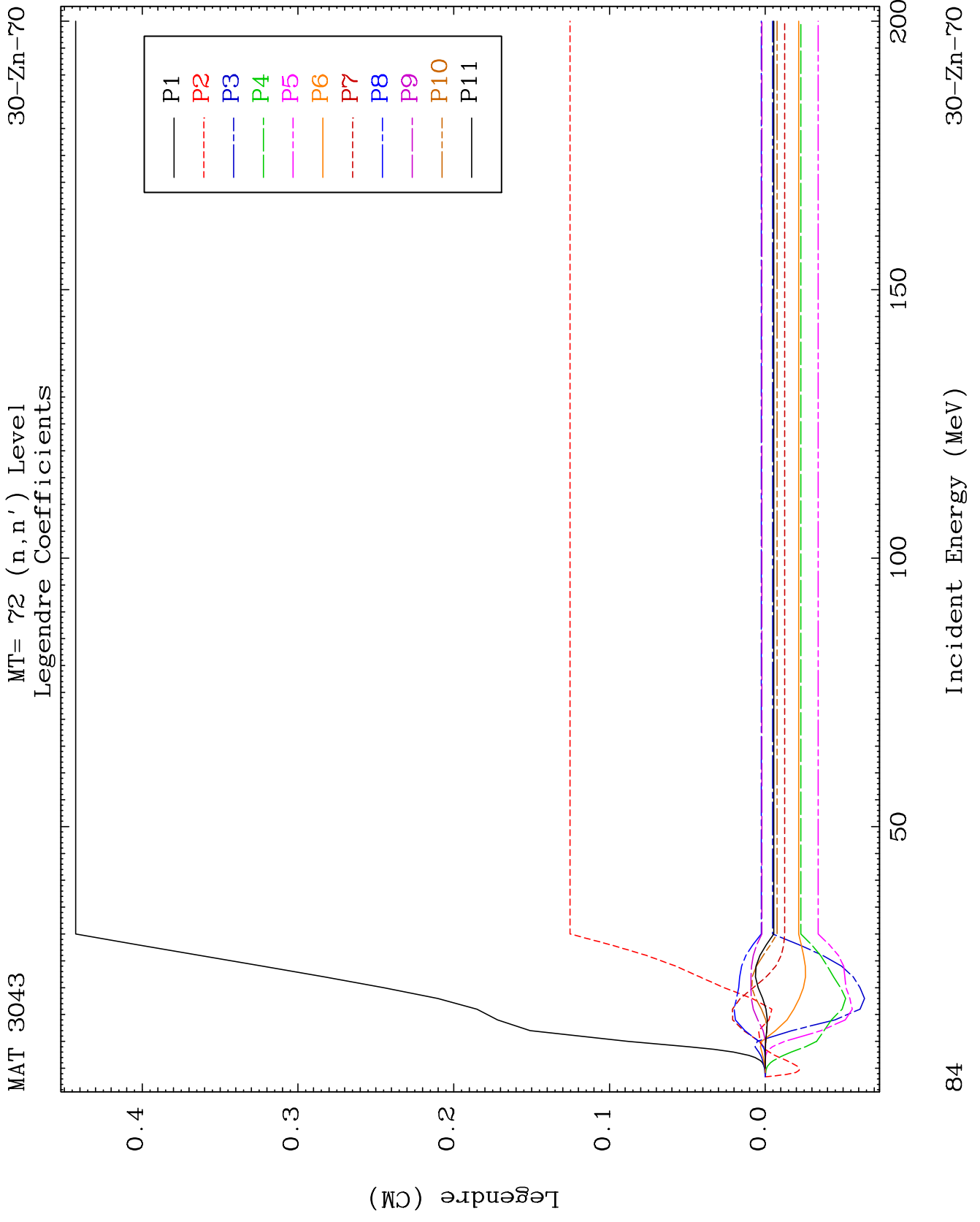


82

Incident Energy (MeV)

30-Zn-70

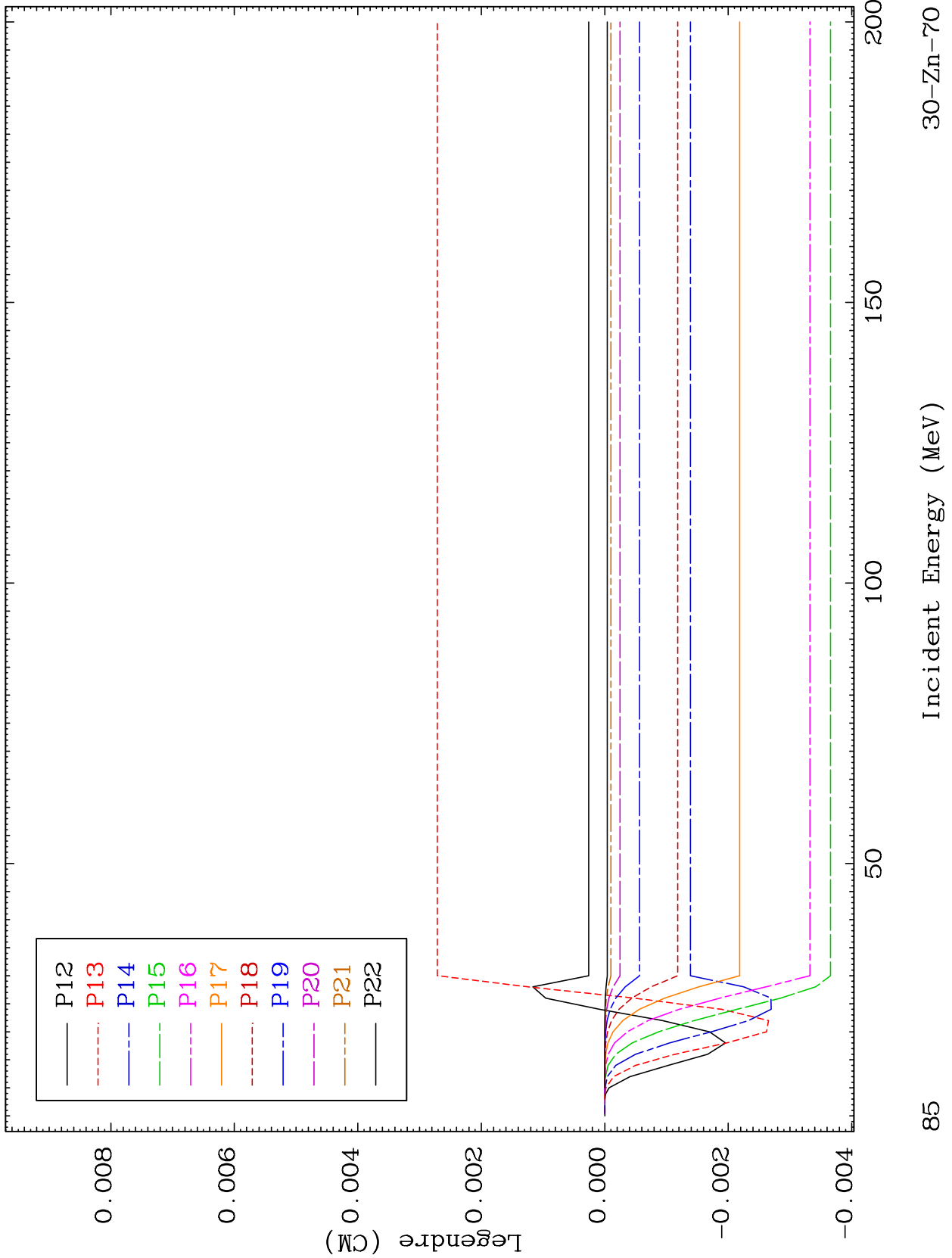




MAT 3043

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

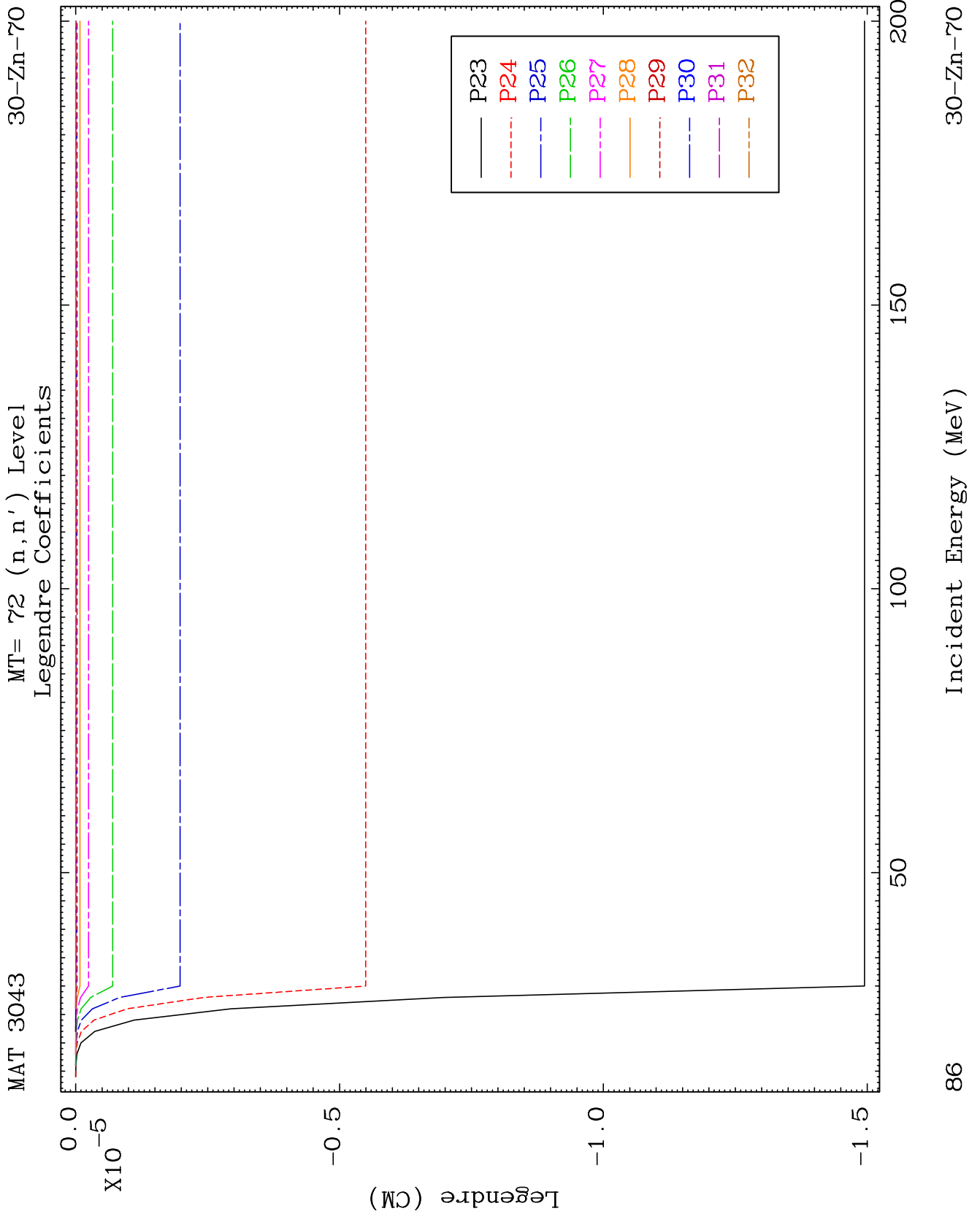
30-Zn-70



85

Incident Energy (MeV)

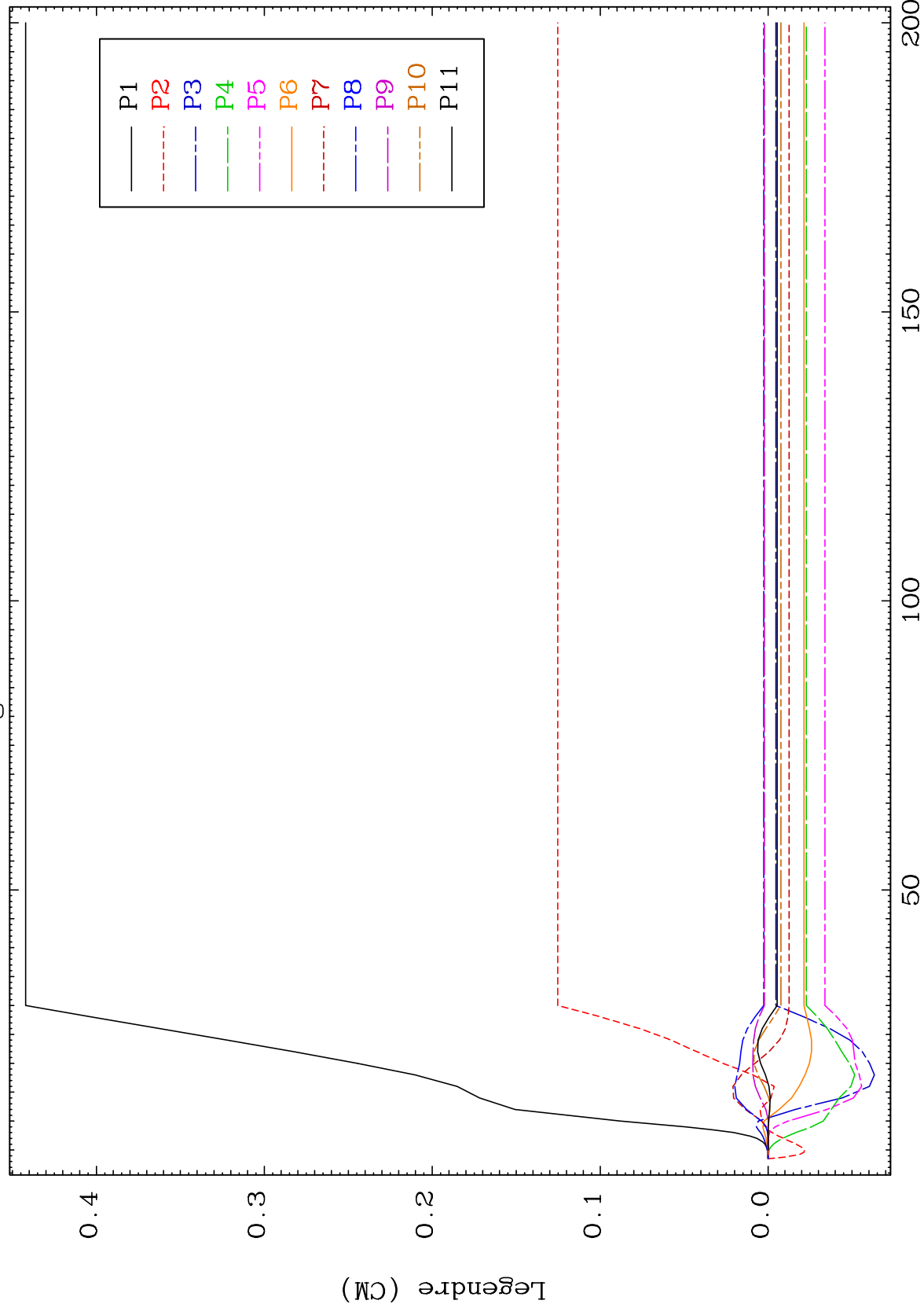
30-Zn-70



MAT 3043

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

30-Zn-70



87

Incident Energy (MeV)

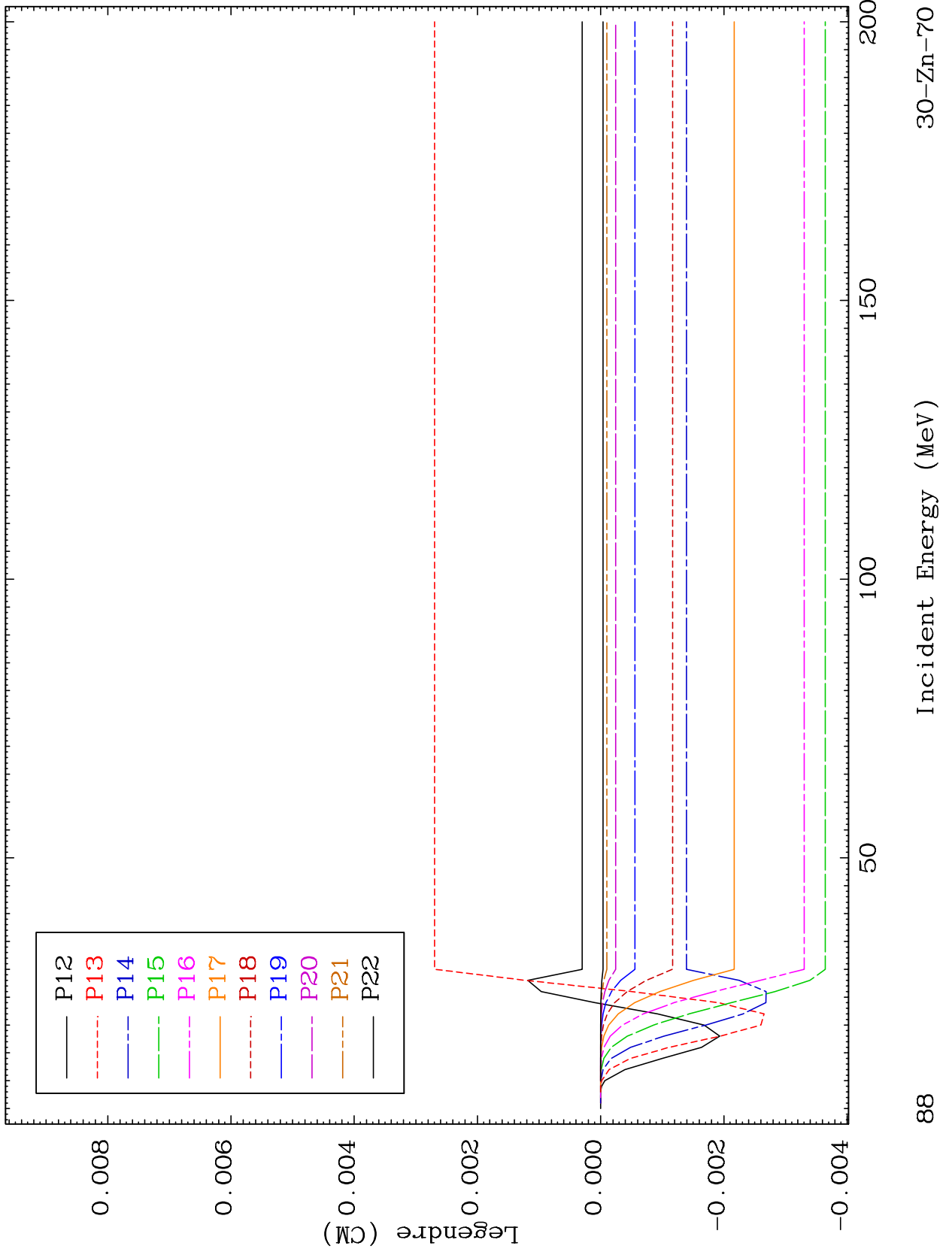
30-Zn-70

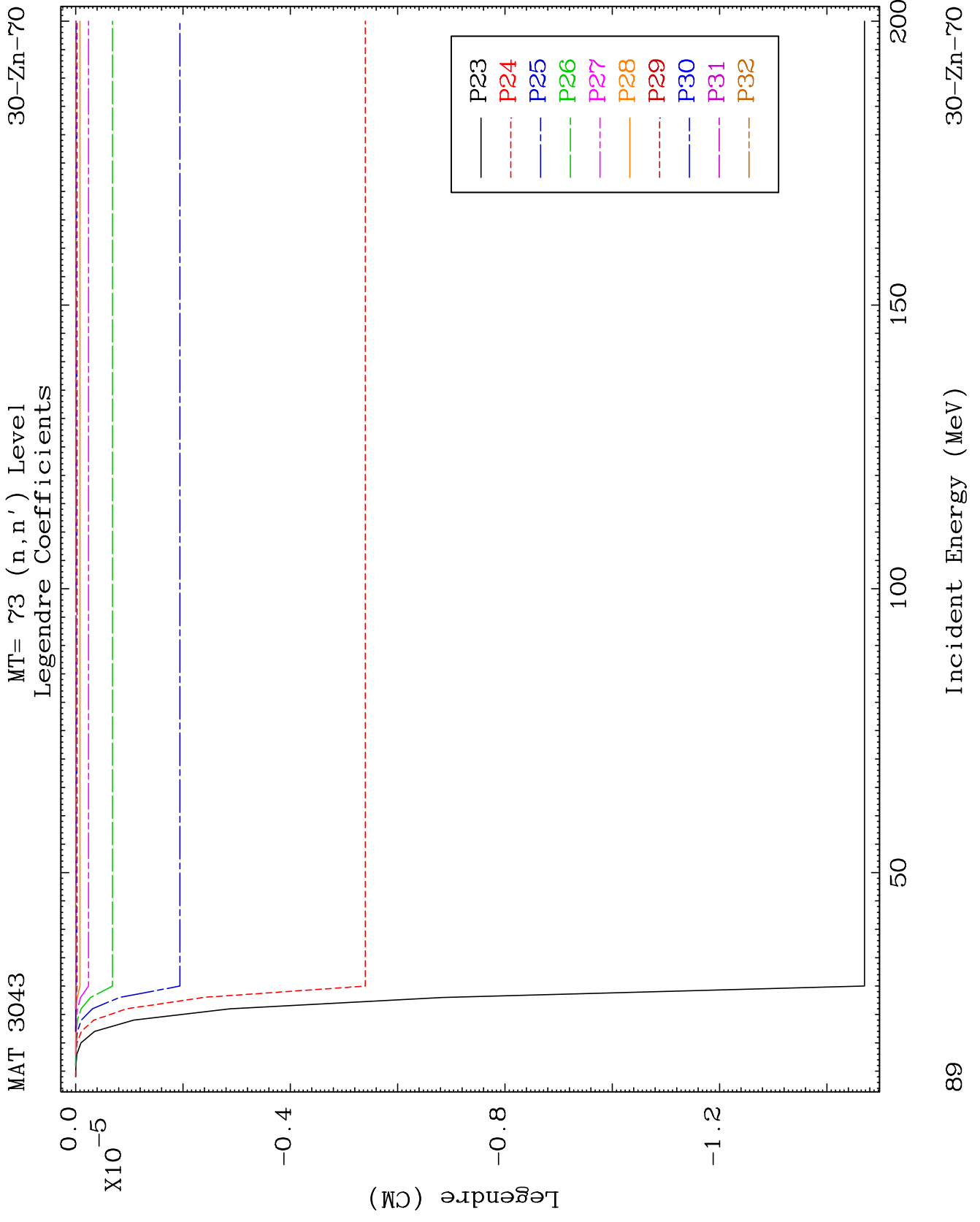


MAT 3043

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

30-Zn-70

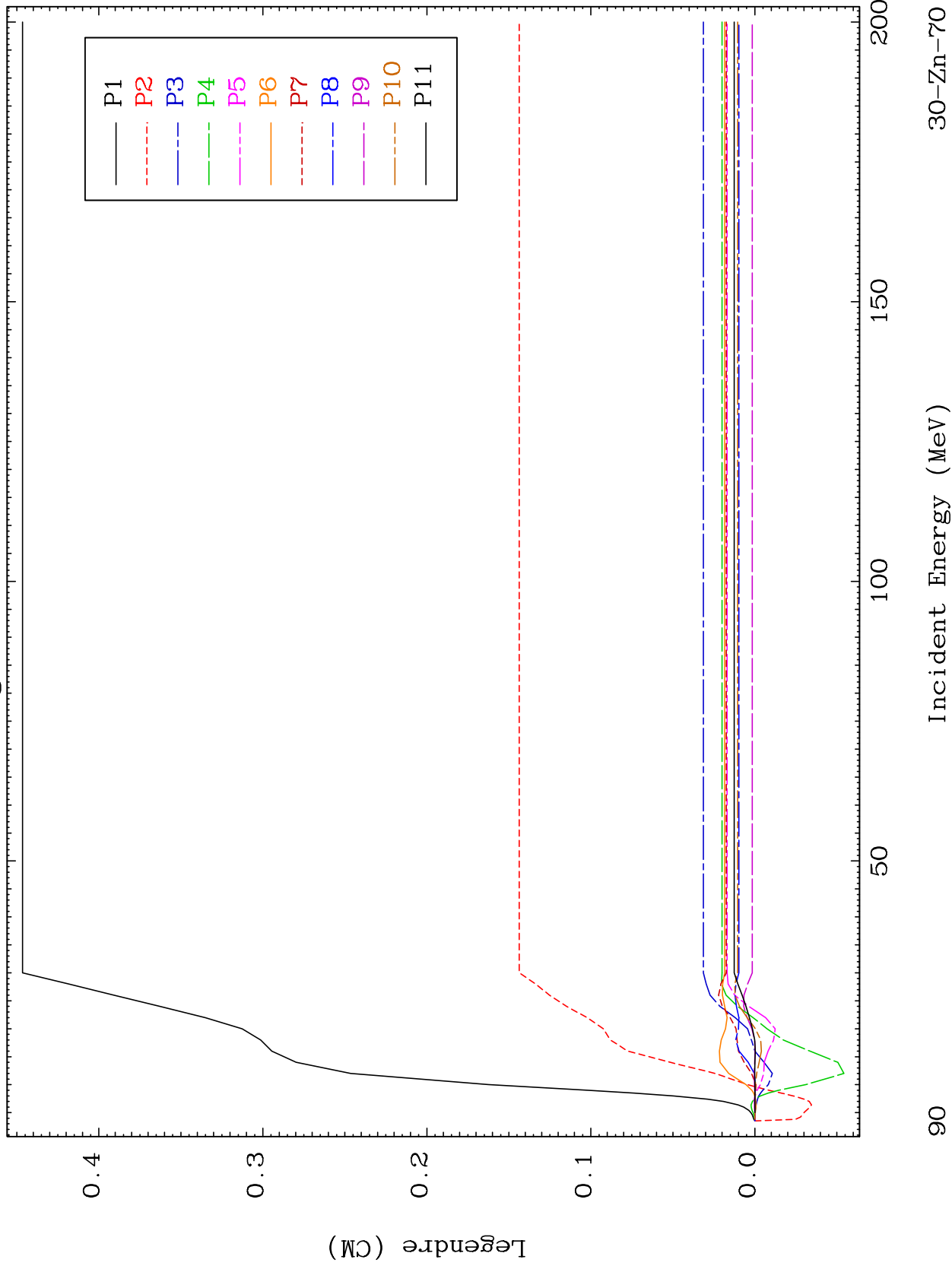




MAT 3043

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

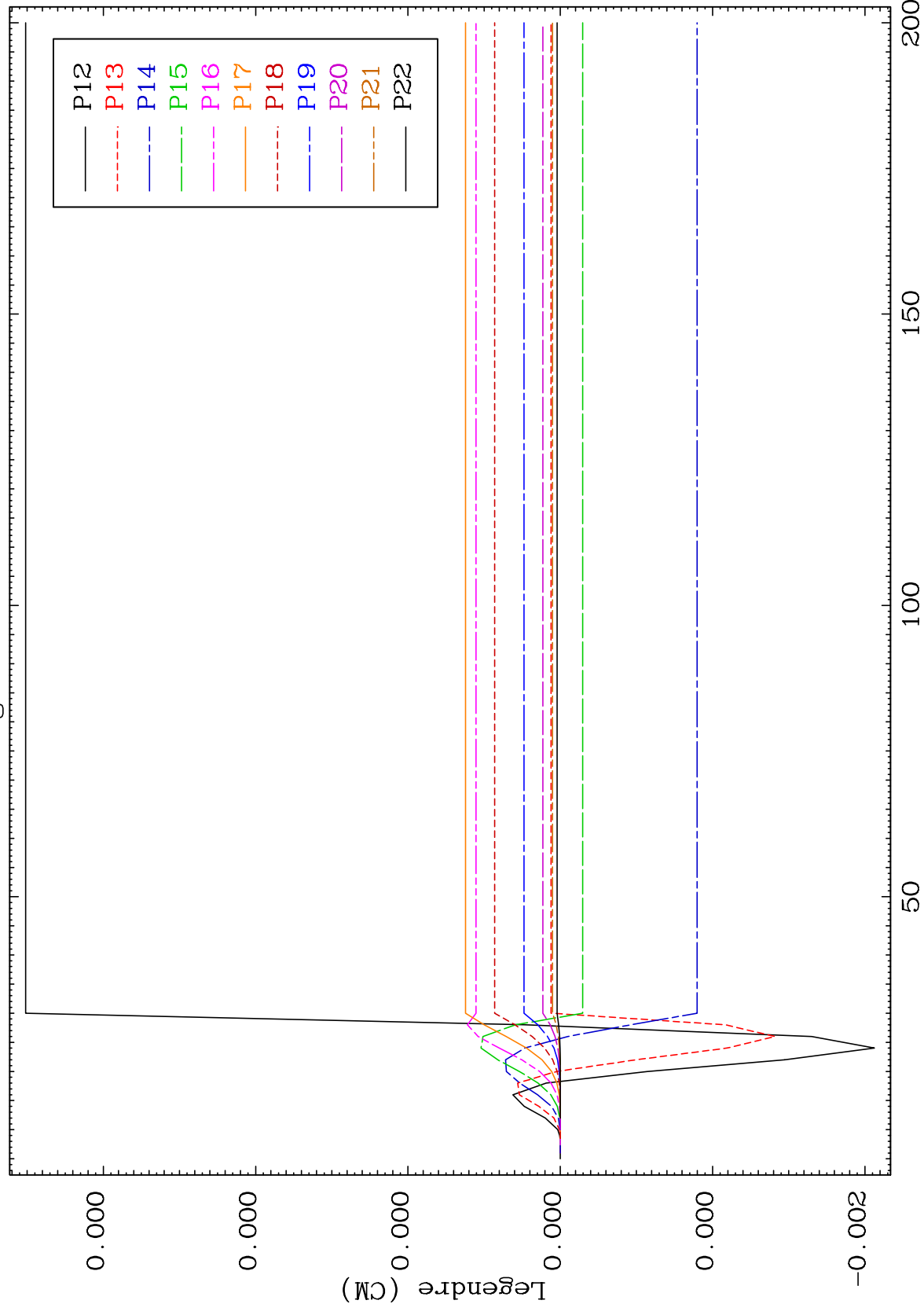
30-Zn-70



MAT 3043

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

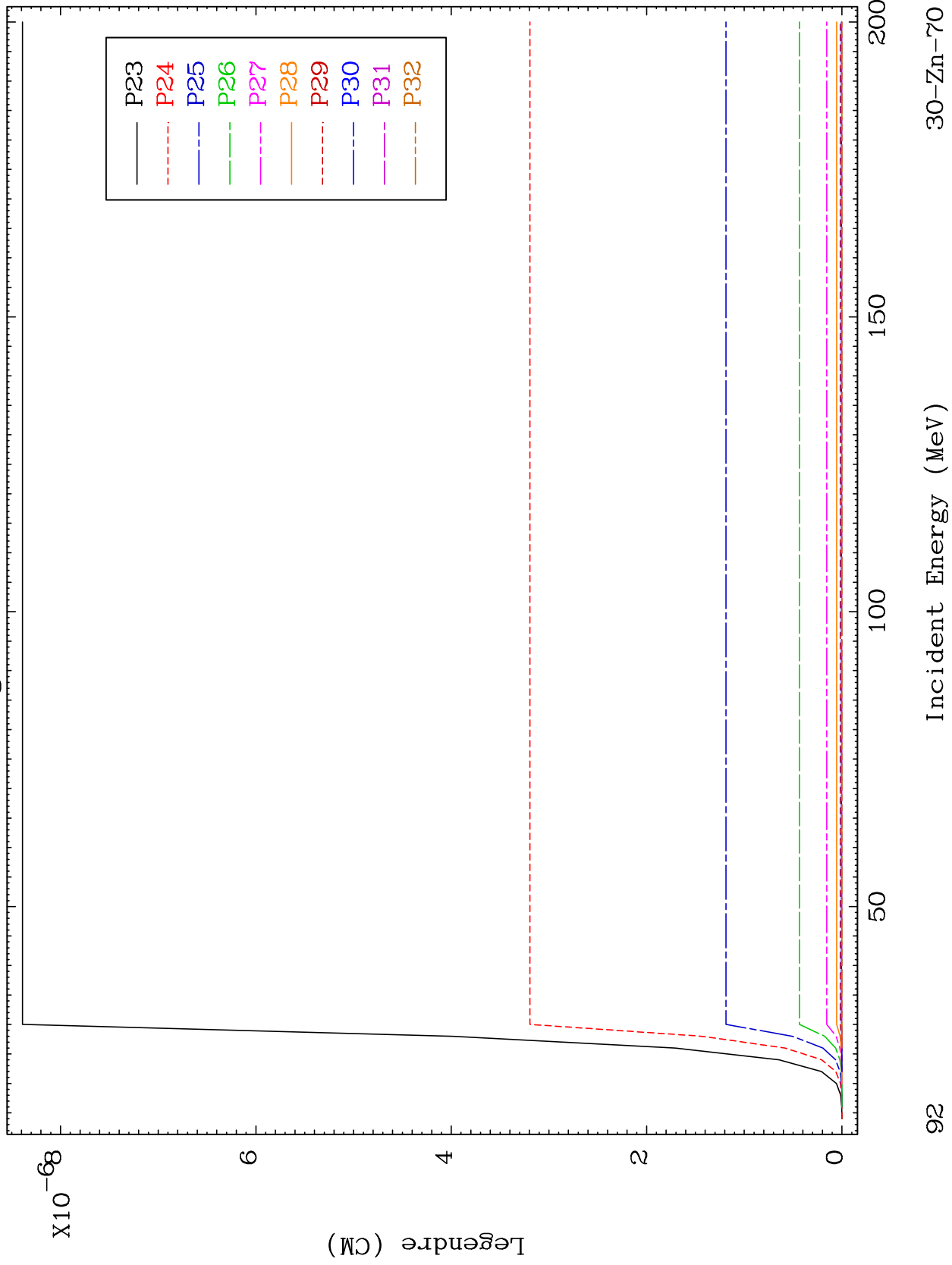
30-Zn-70



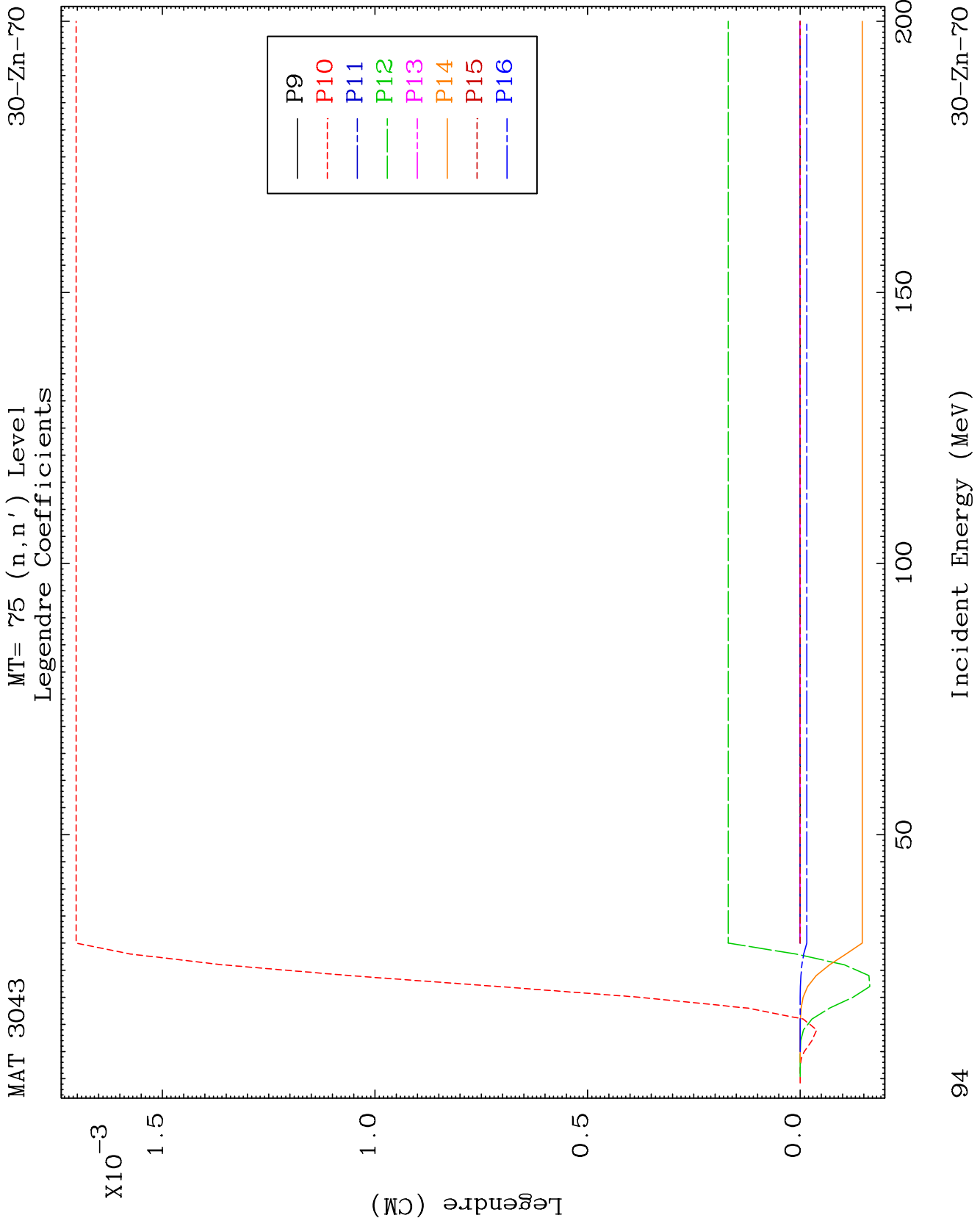
MAT 3043

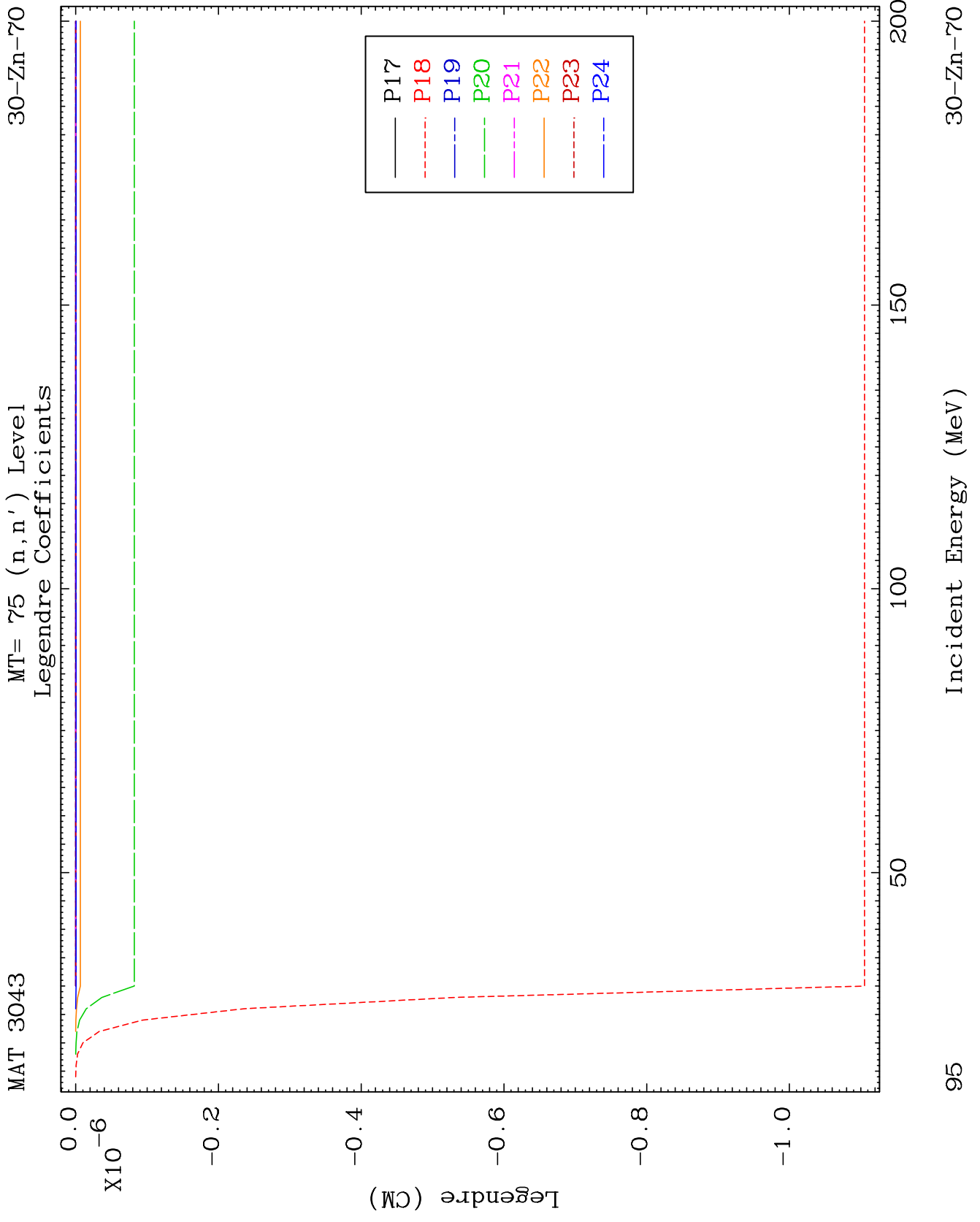
MT= 74 (n,n') Level  
Legendre Coefficients

30-Zn-70







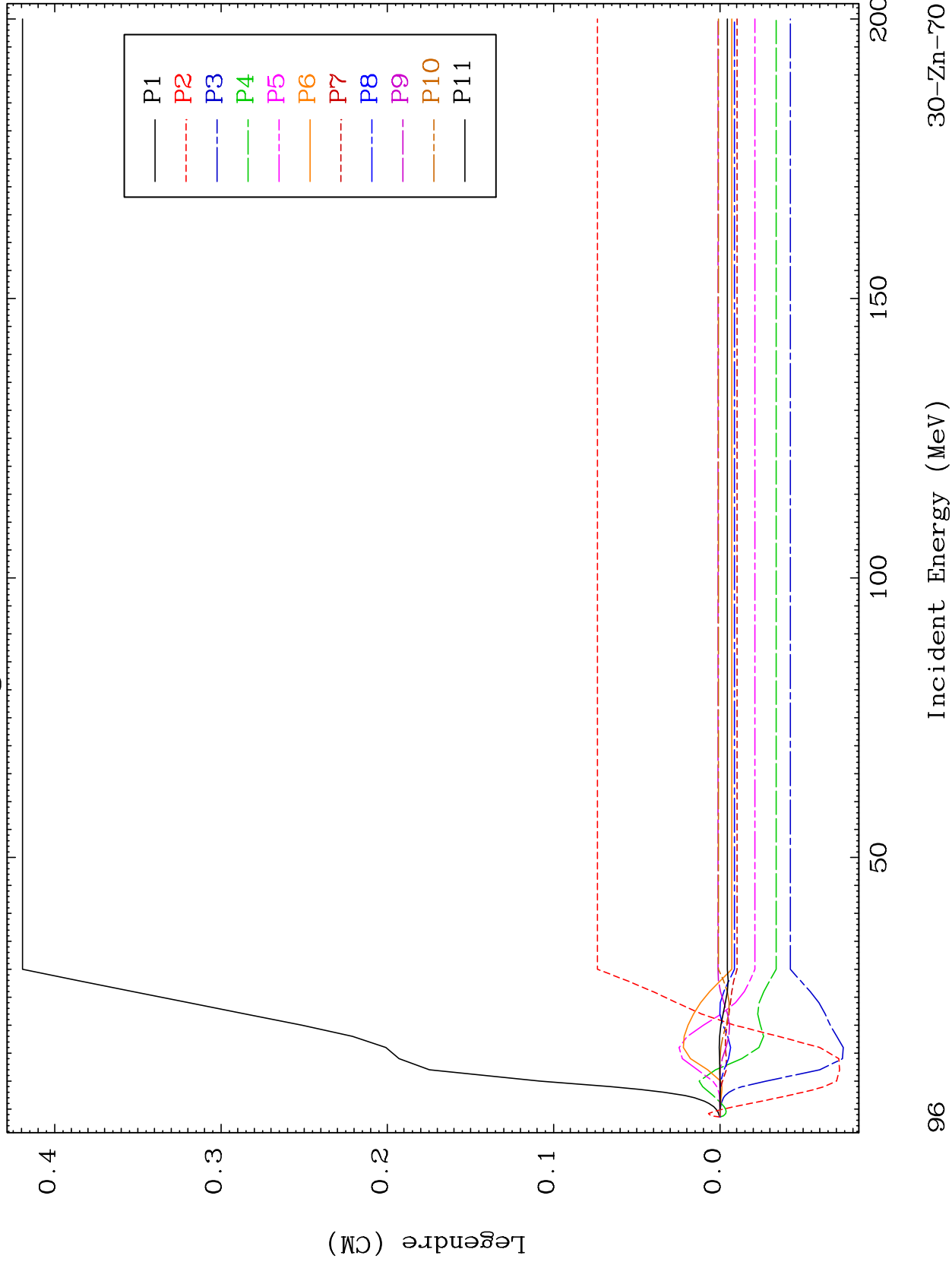




MAT 3043

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

30-Zn-70



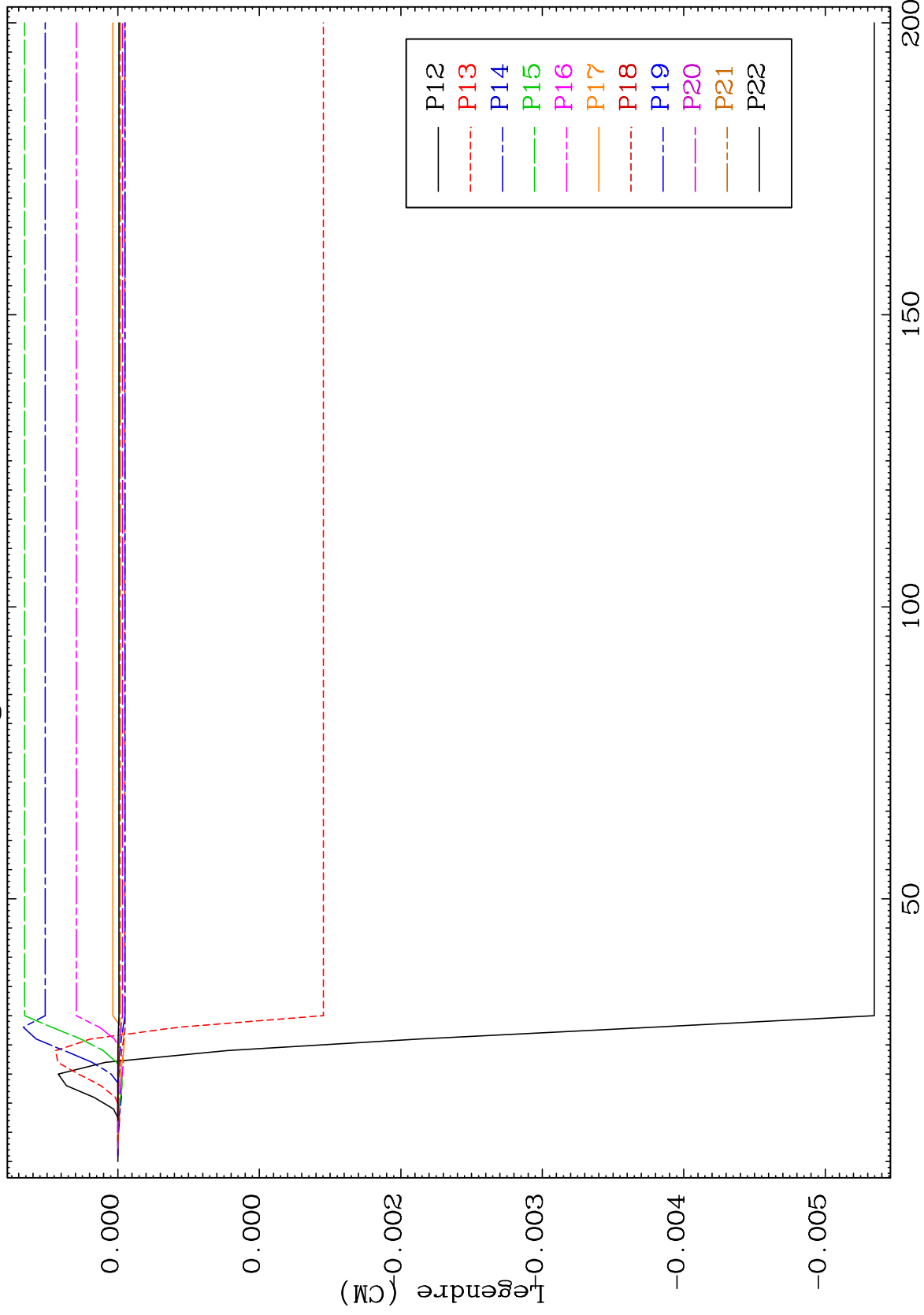
96

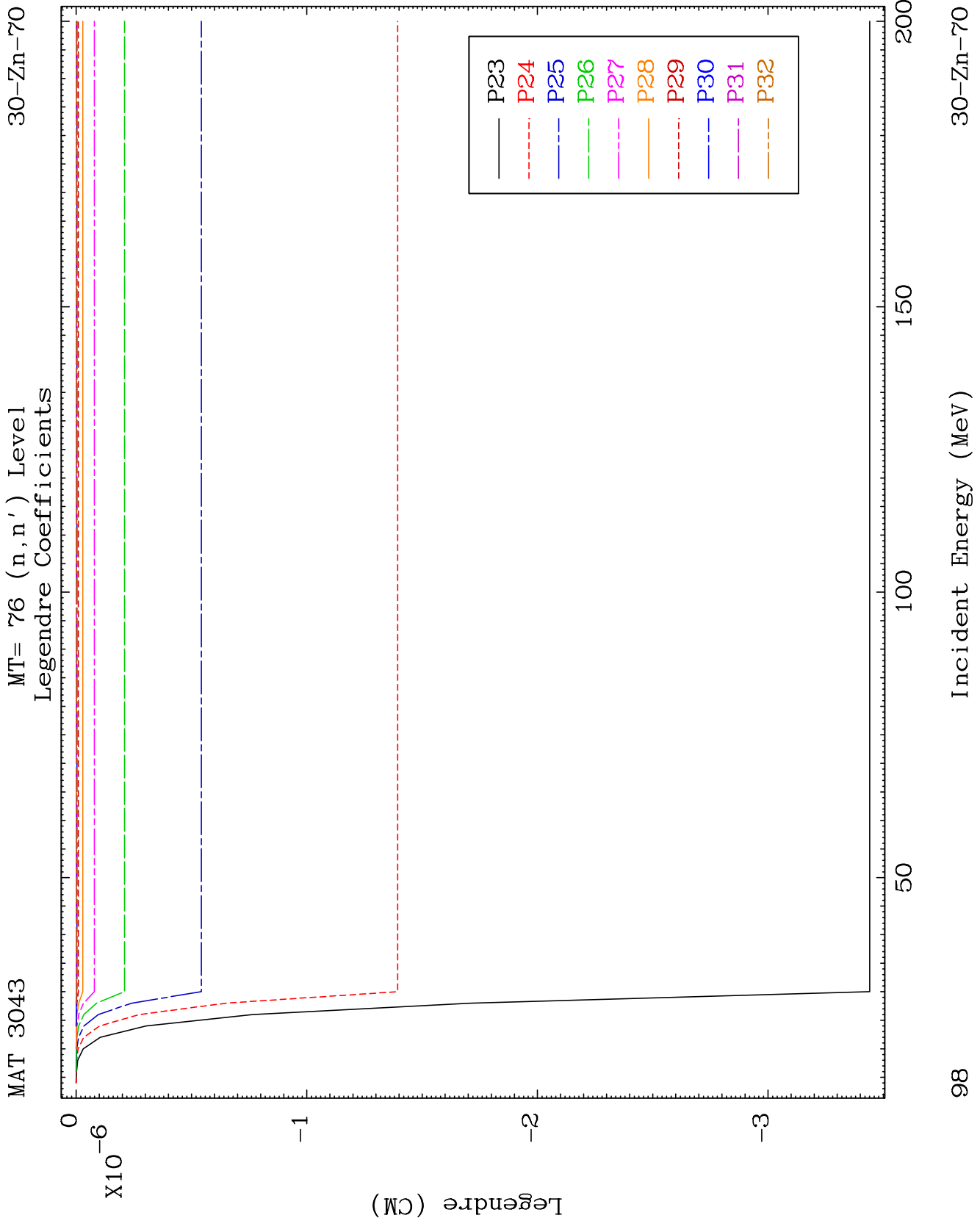
30-Zn-70

MAT 3043

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

30-Zn-70

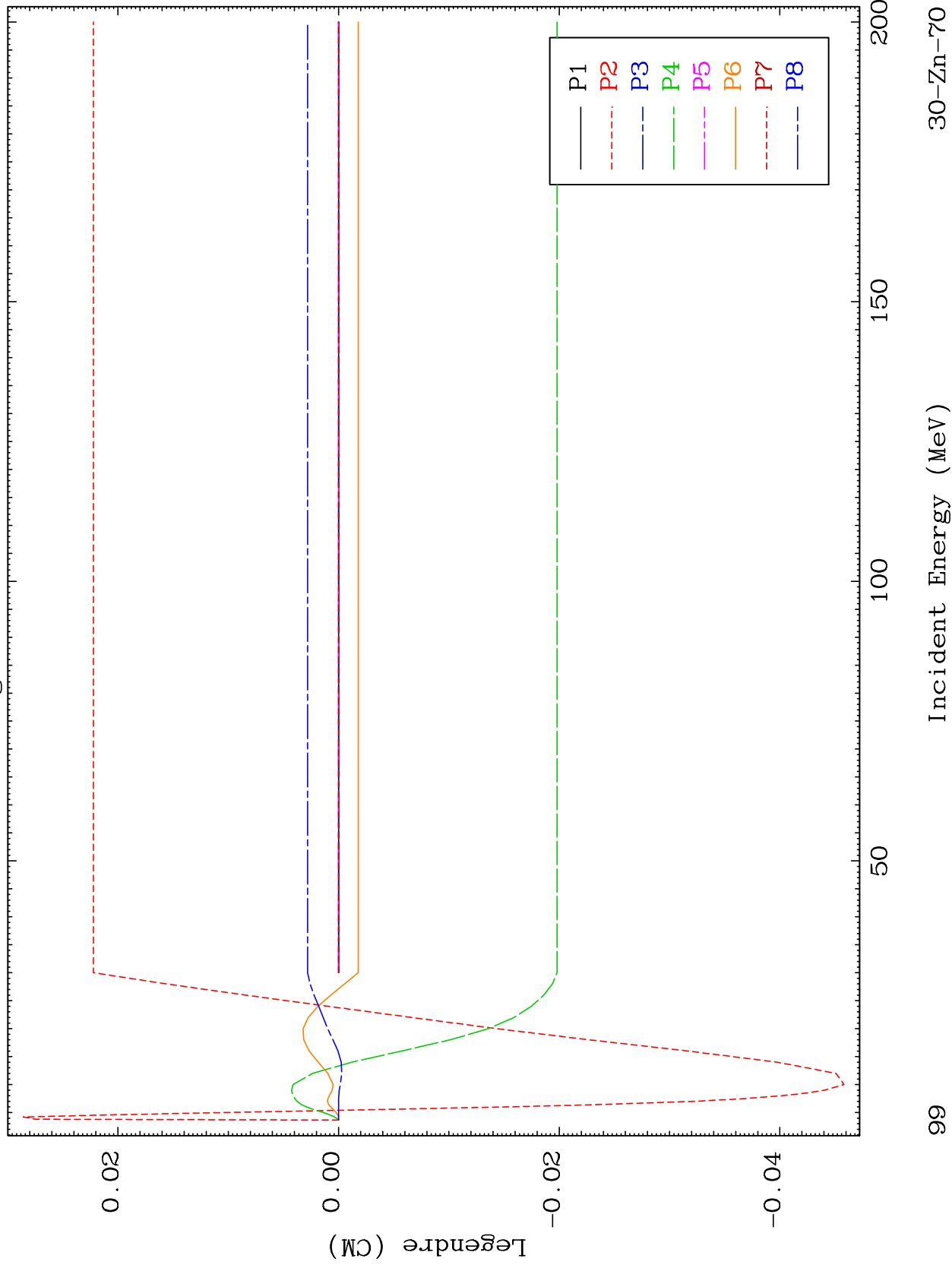




MAT 3043

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

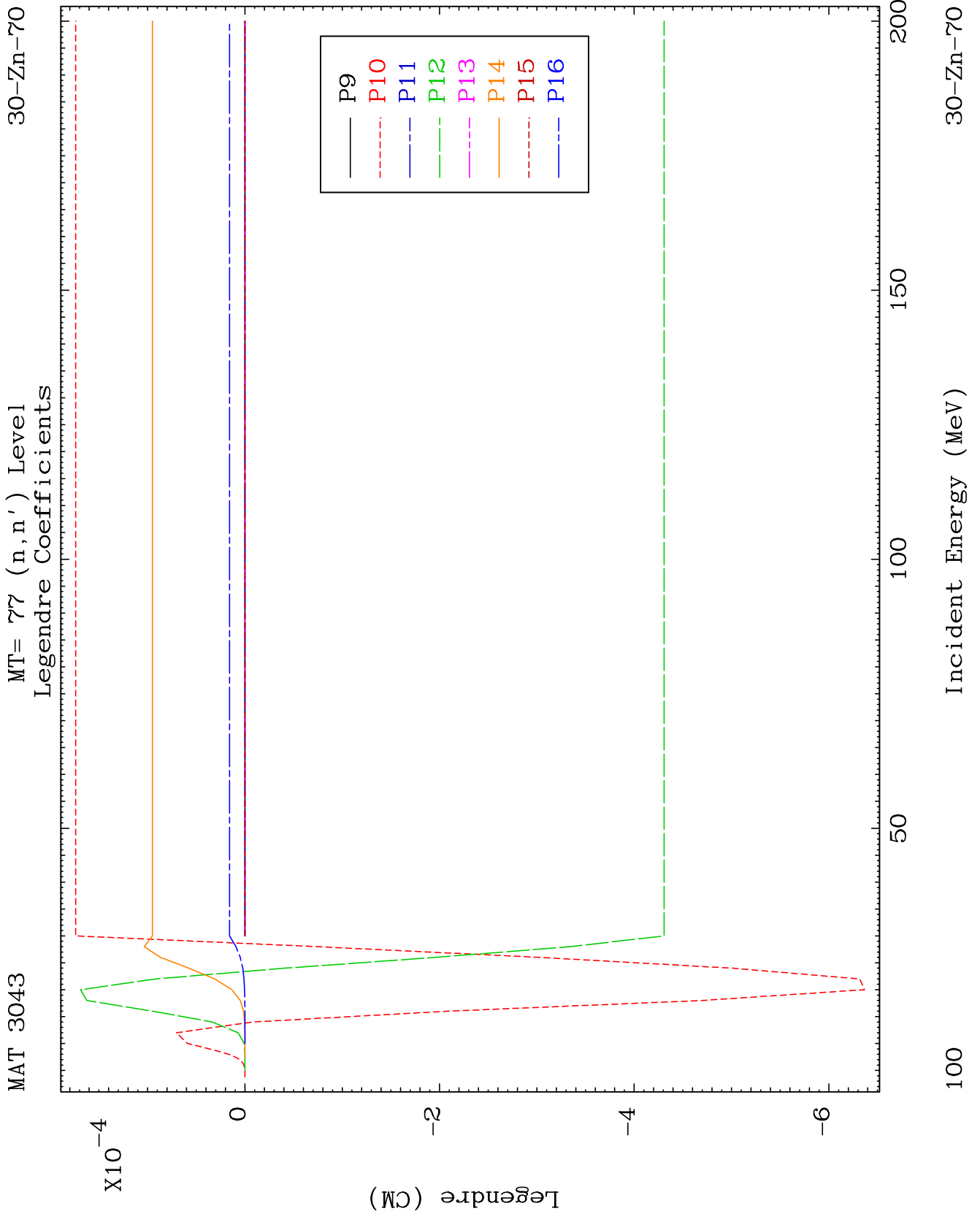
30-Zn-70

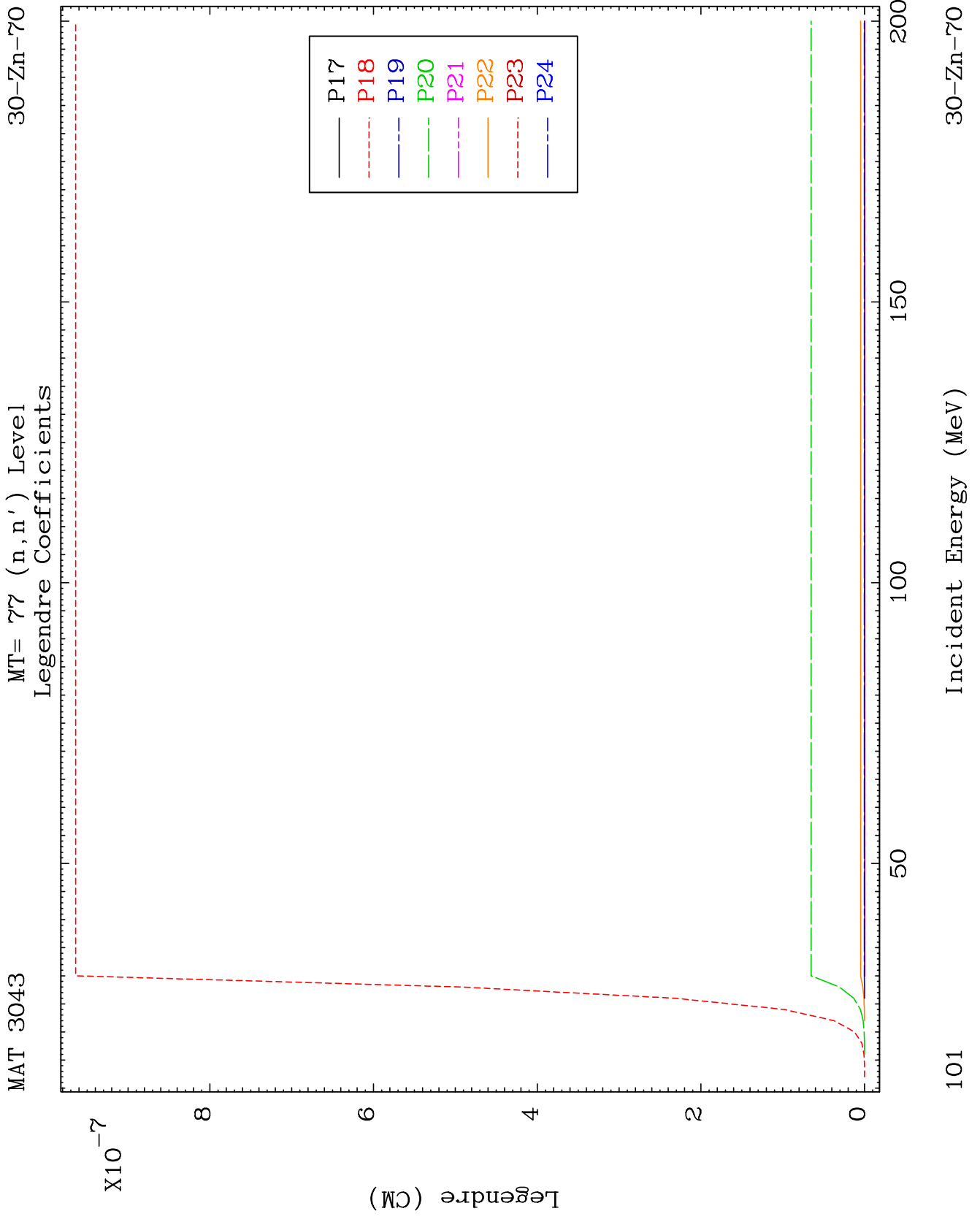


99

Incident Energy (MeV)

30-Zn-70

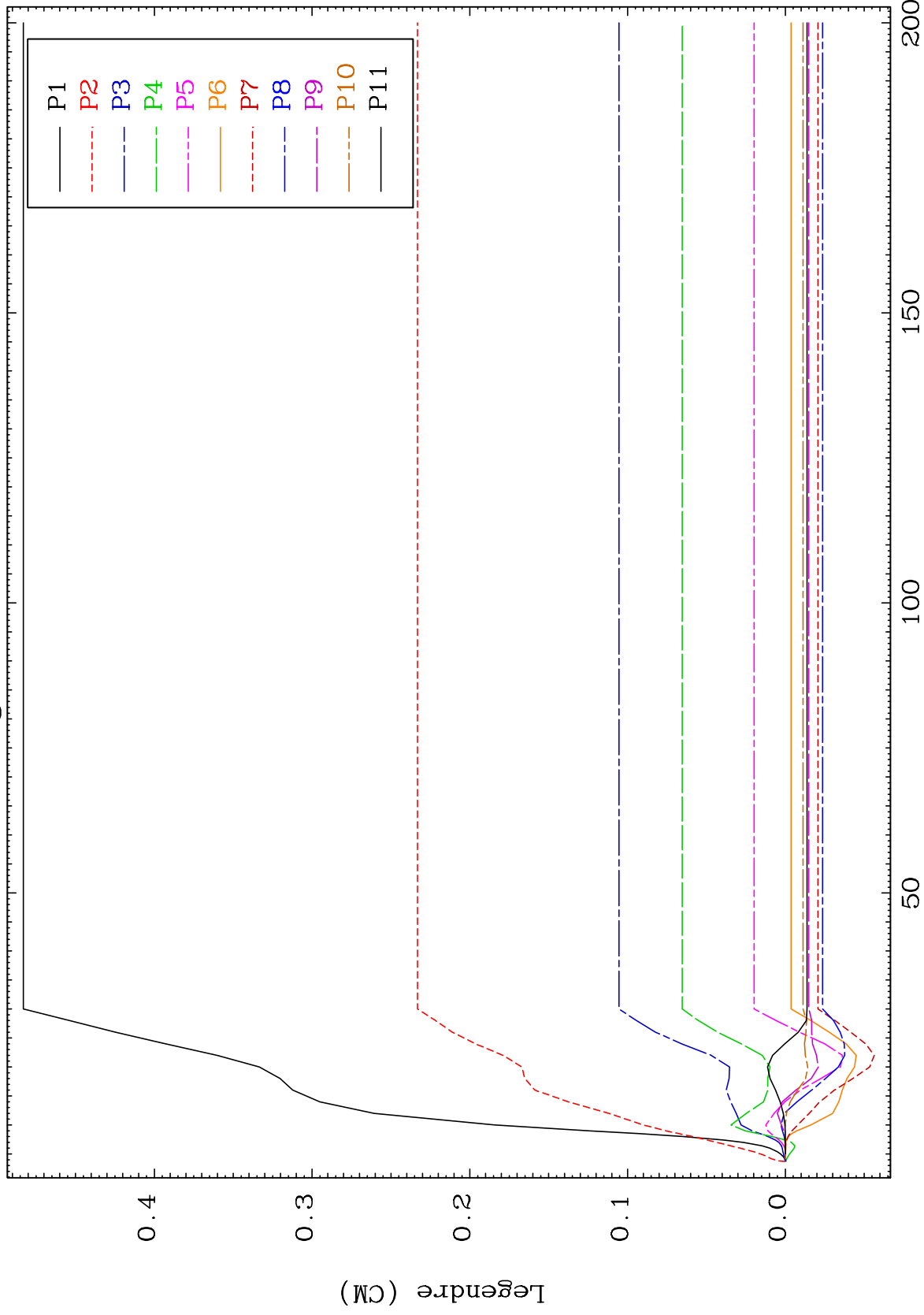




MAT 3043

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

30-Zn-70



102

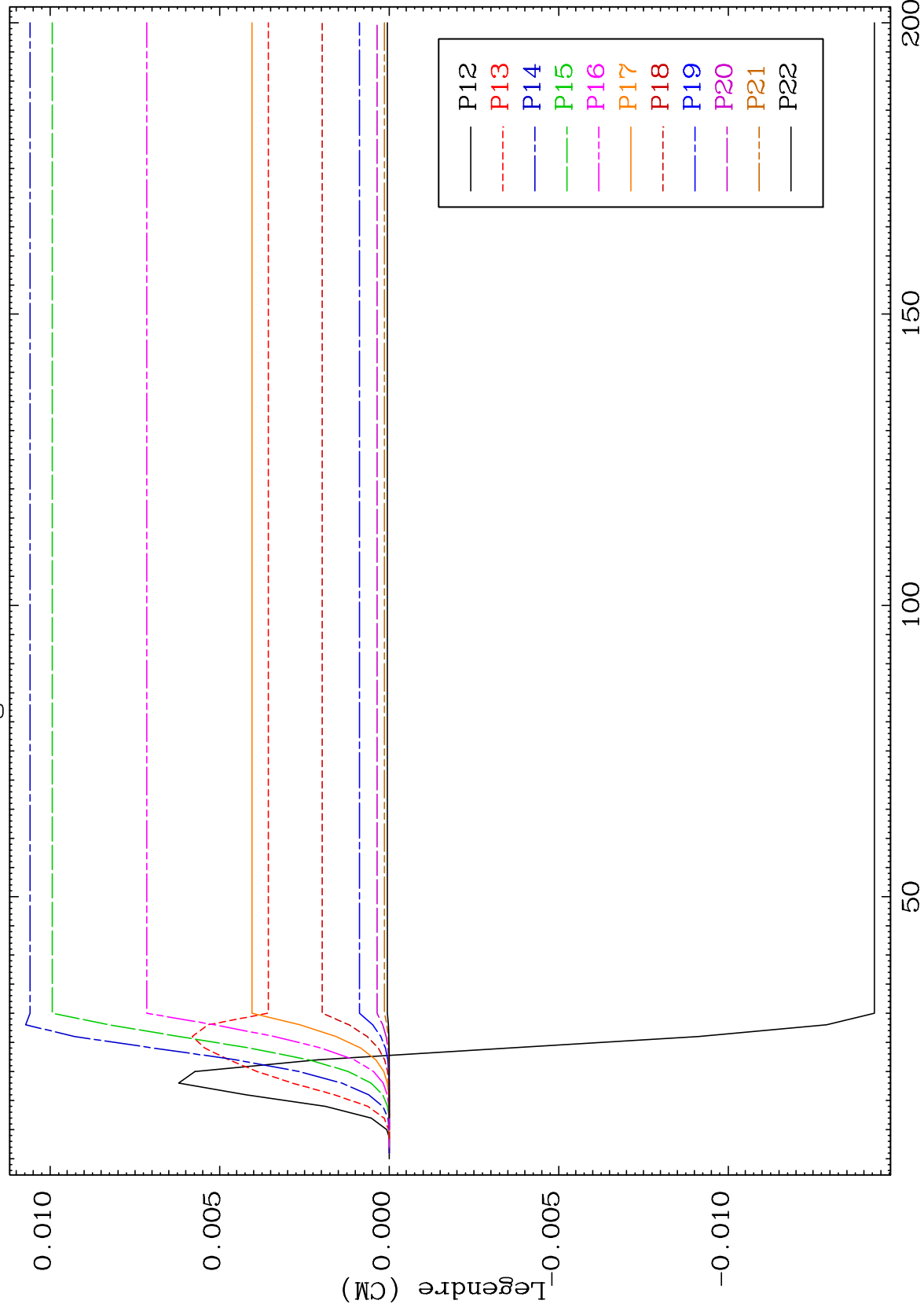
Incident Energy (MeV)

30-Zn-70

MAT 3043

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

30-Zn-70

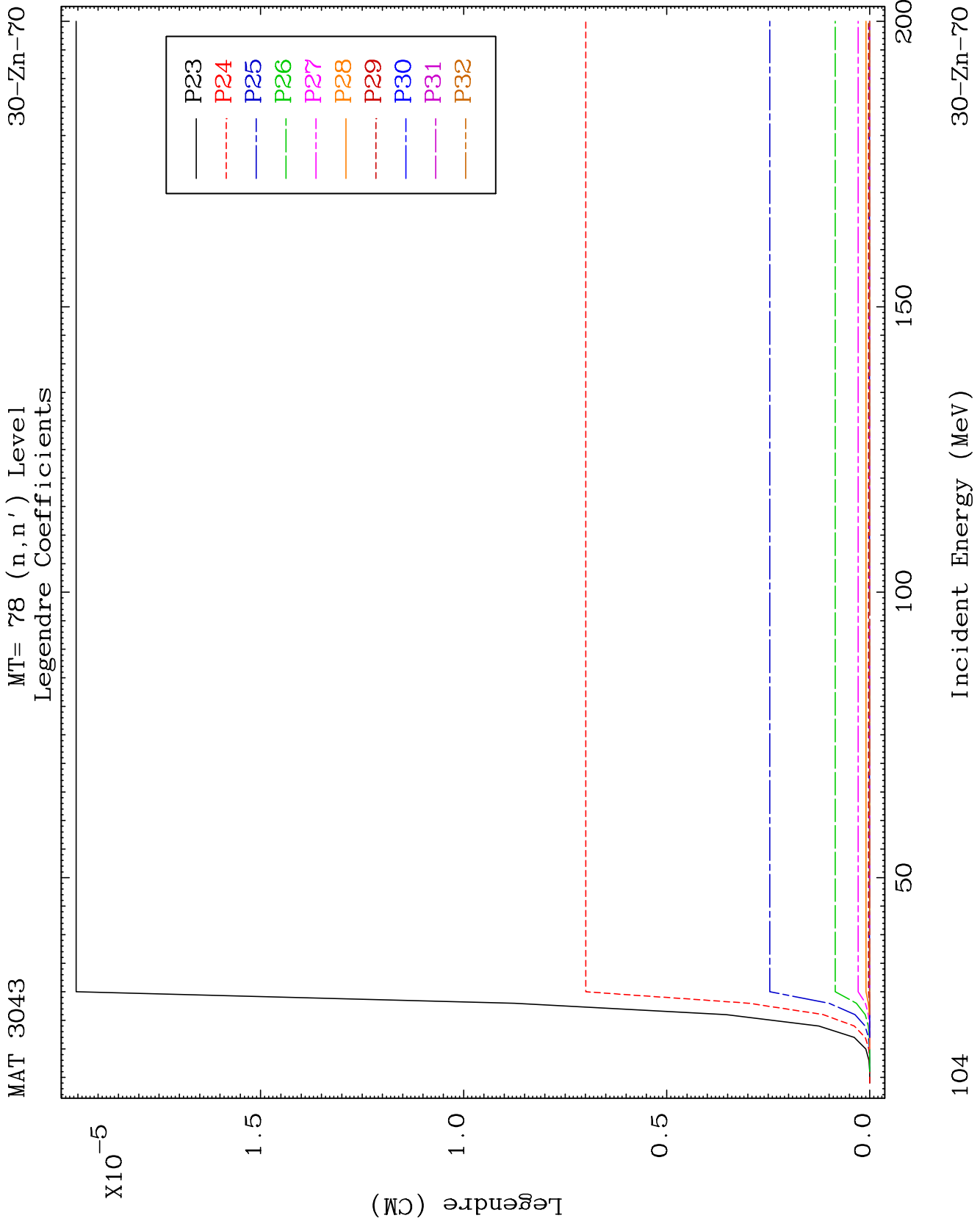


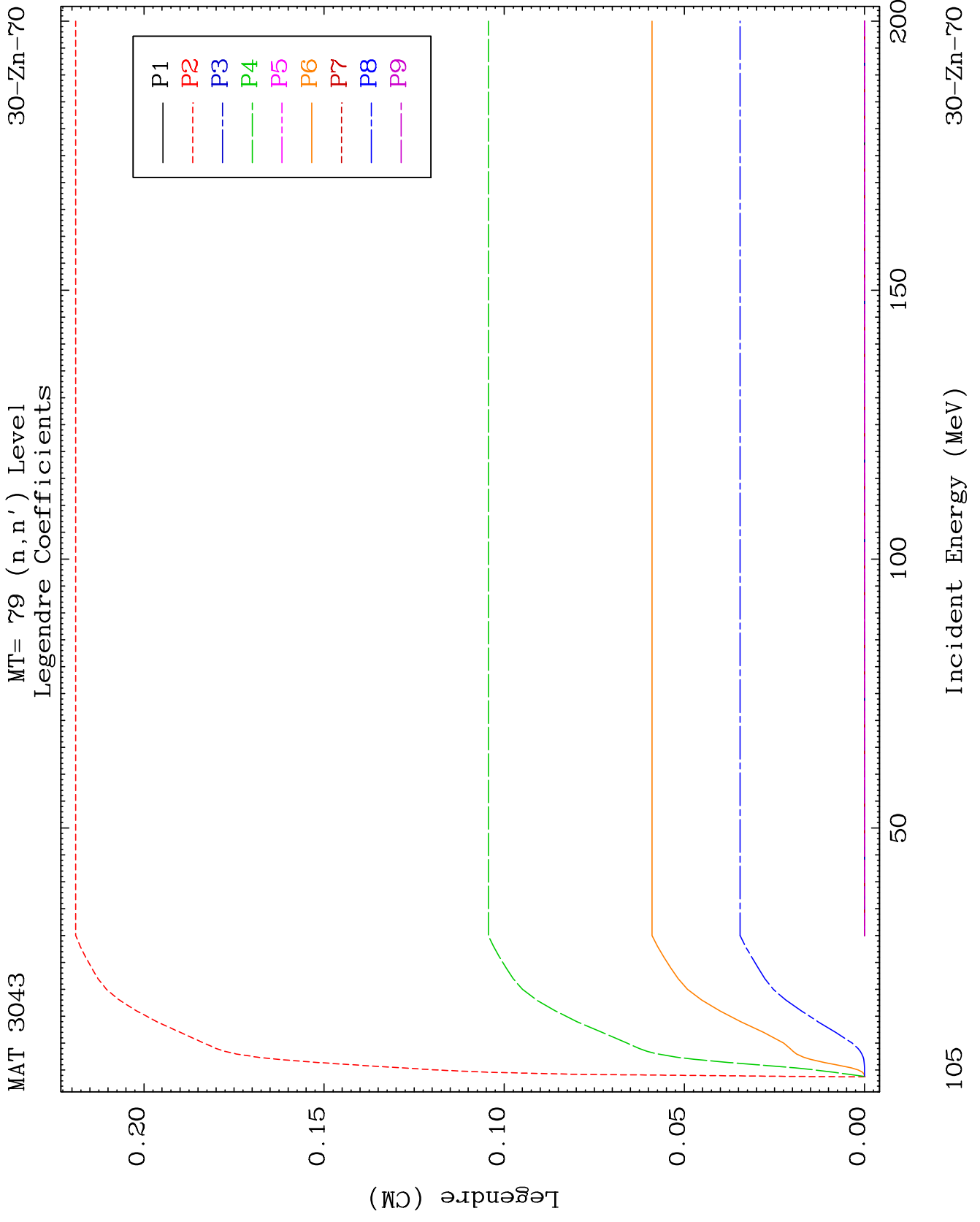
103

Incident Energy (MeV)

30-Zn-70



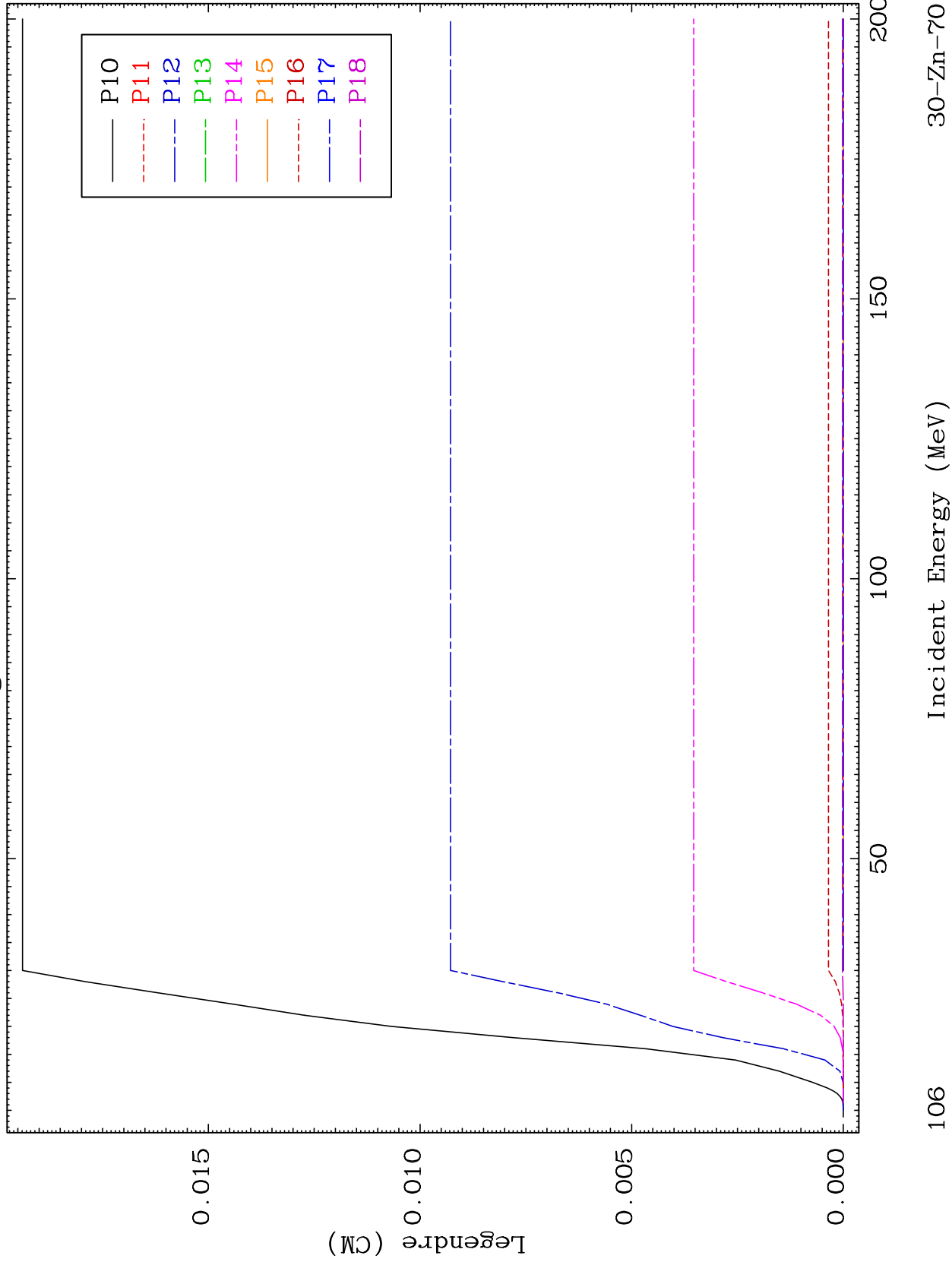




MAT 3043

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

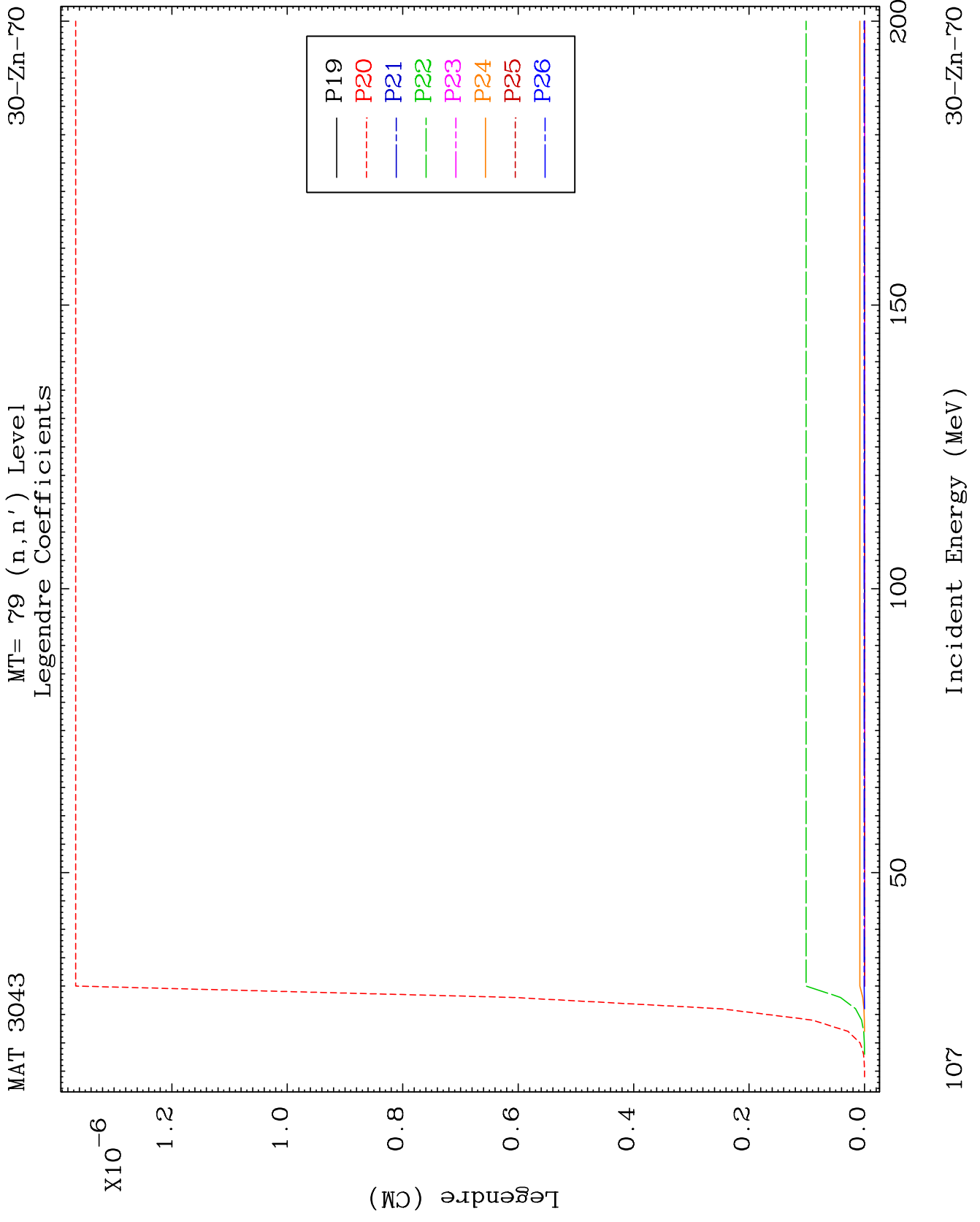
30-Zn-70

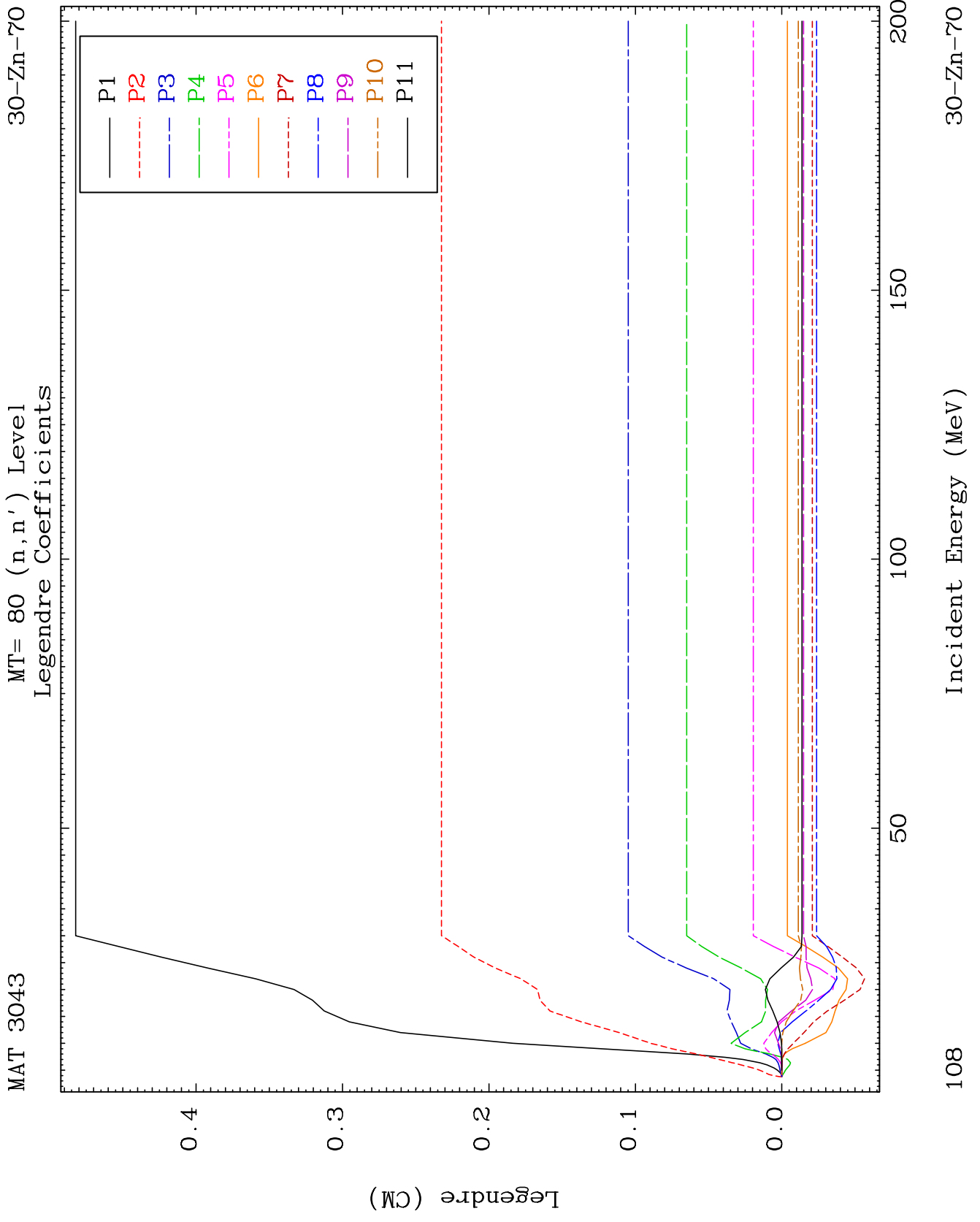


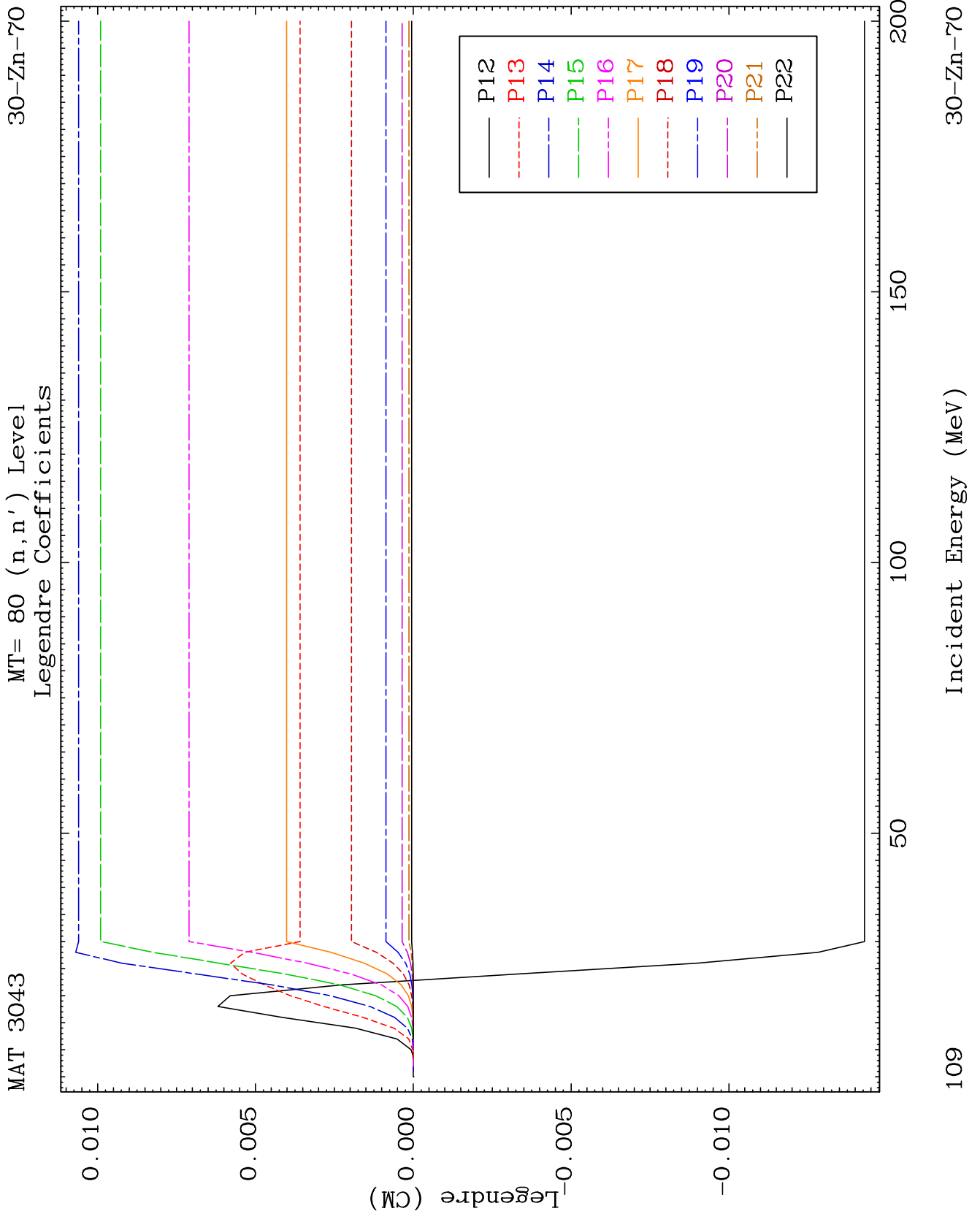
106

Incident Energy (MeV)

30-Zn-70







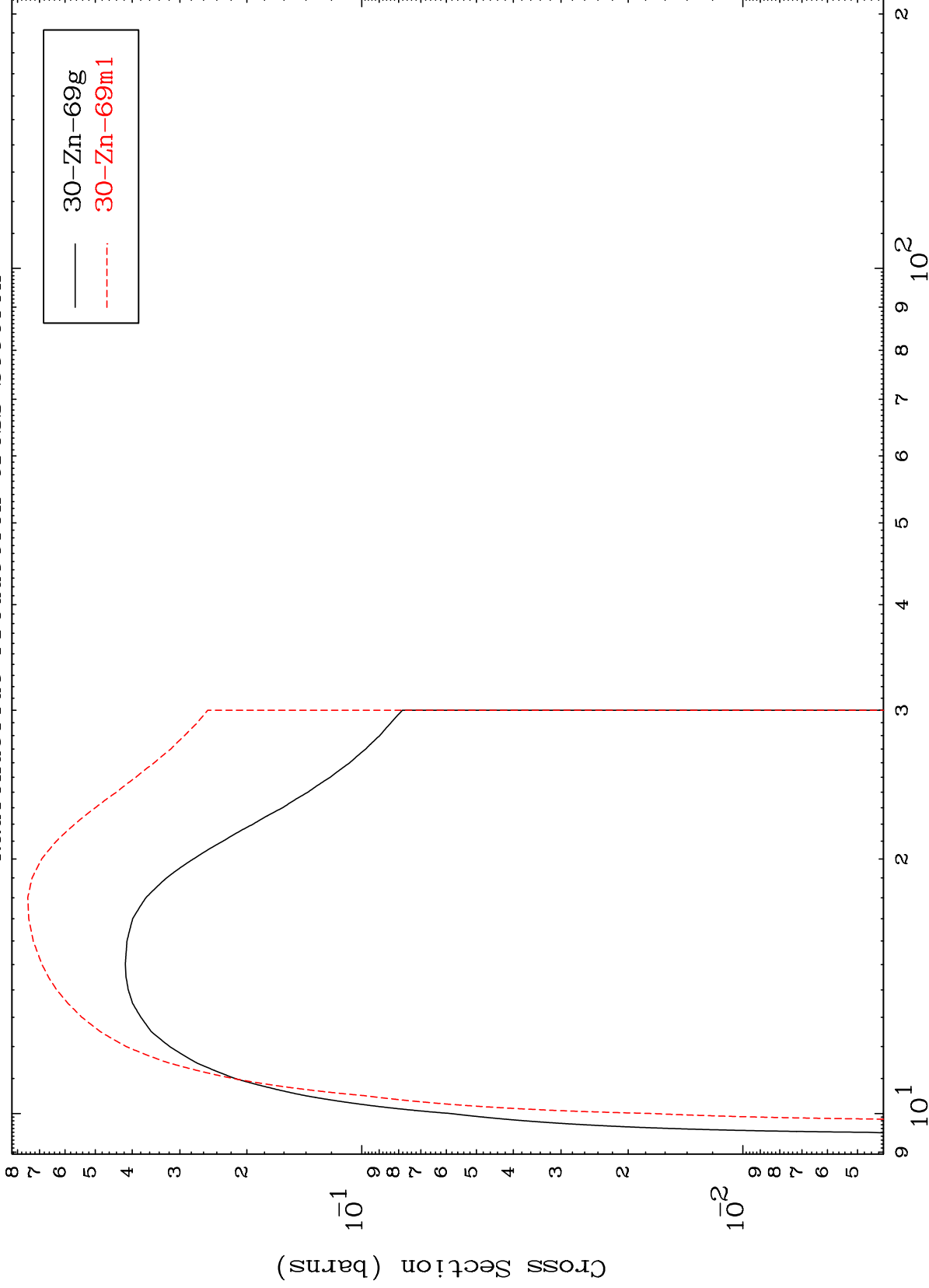


MAT 3043

(n,2n)

30-Zn-70

Radionuclide Production Cross Section



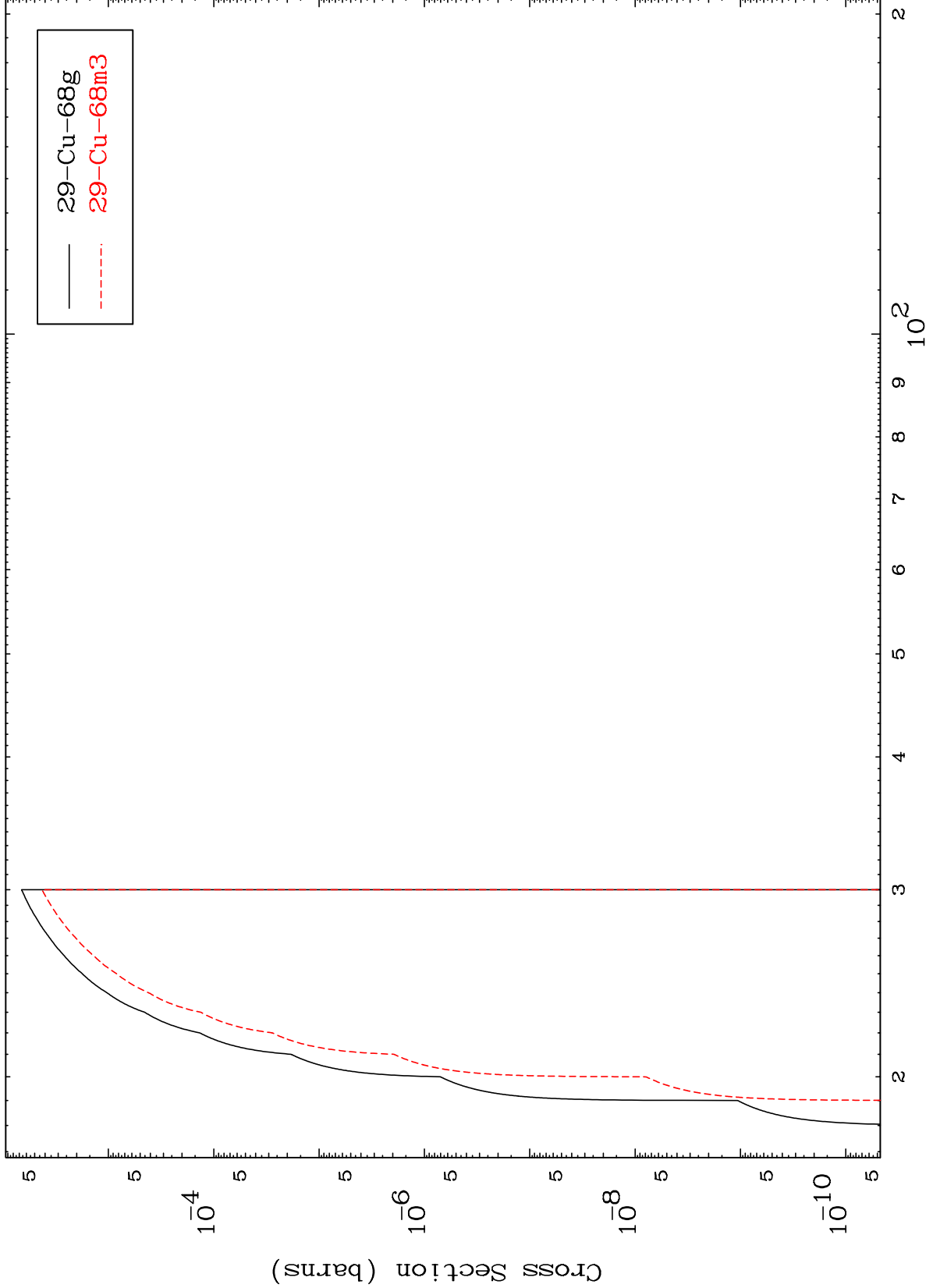
111

Incident Energy (MeV)

30-Zn-70



Radionuclide Production Cross Section



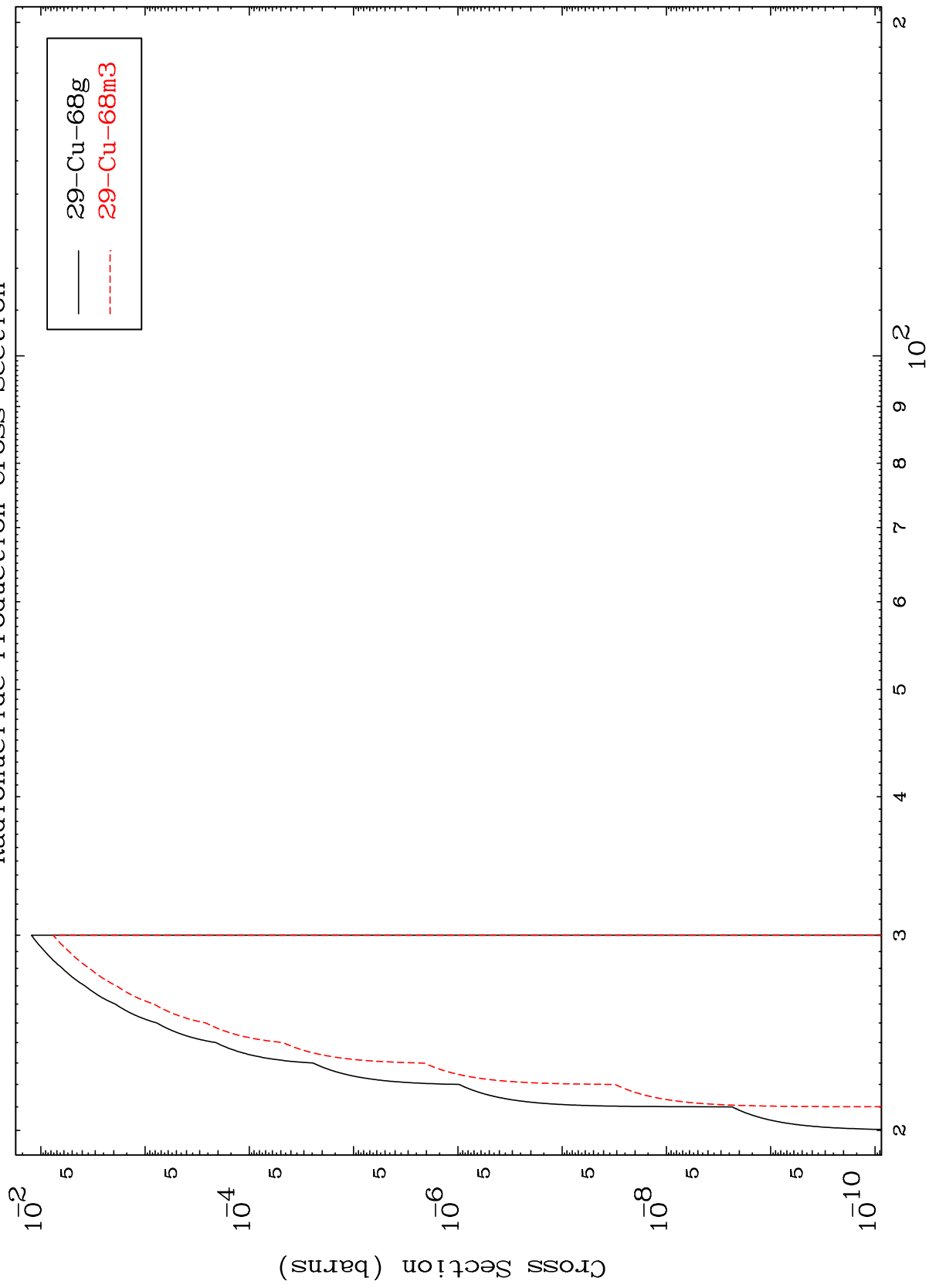
— 29-Cu-68g  
- - - 29-Cu-68m3

MAT 3043

(n,2n) p

30-Zn-70

Radionuclide Production Cross Section



113

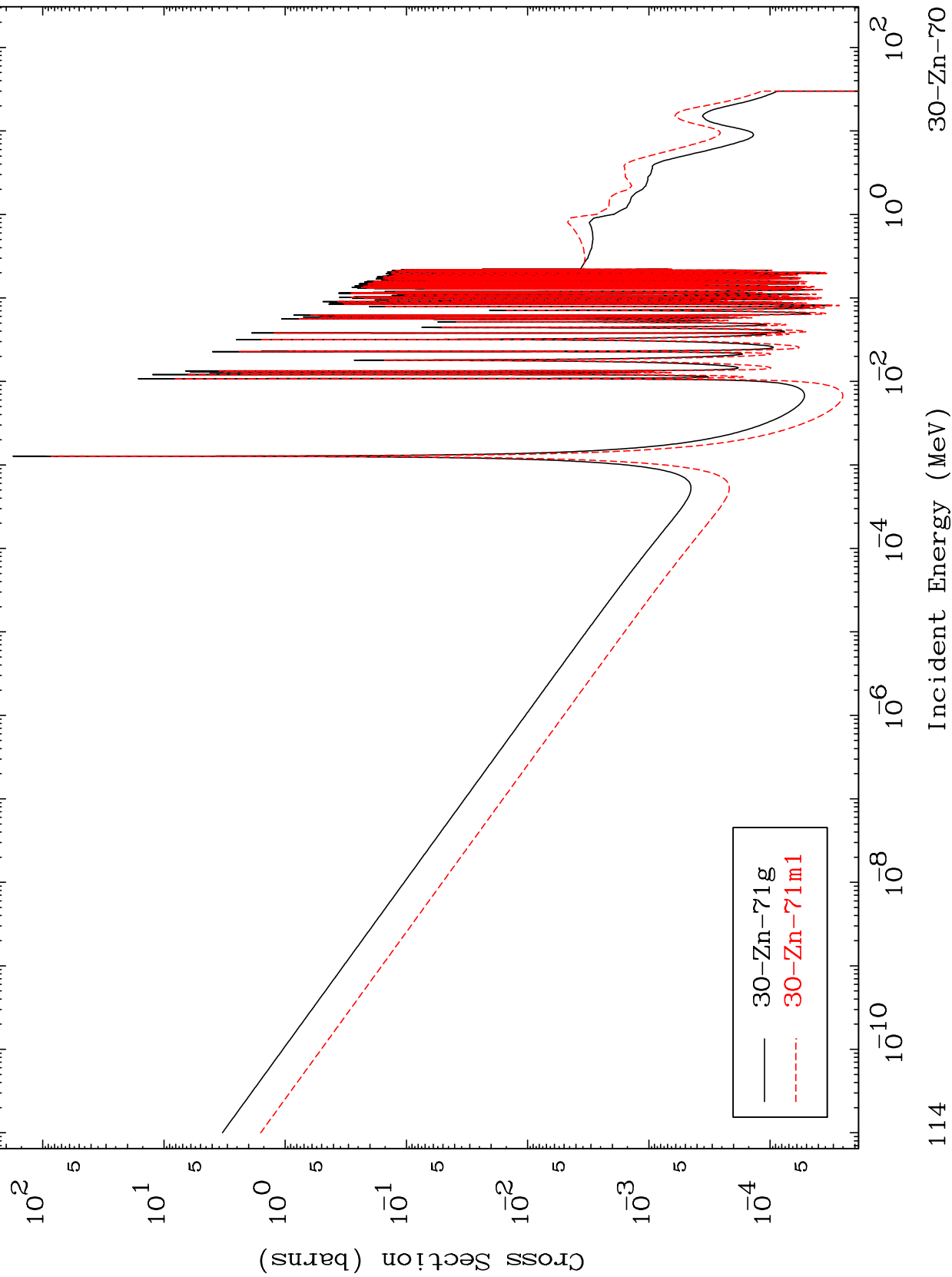
Incident Energy (MeV)

30-Zn-70

MAT 3043

30-Zn-70

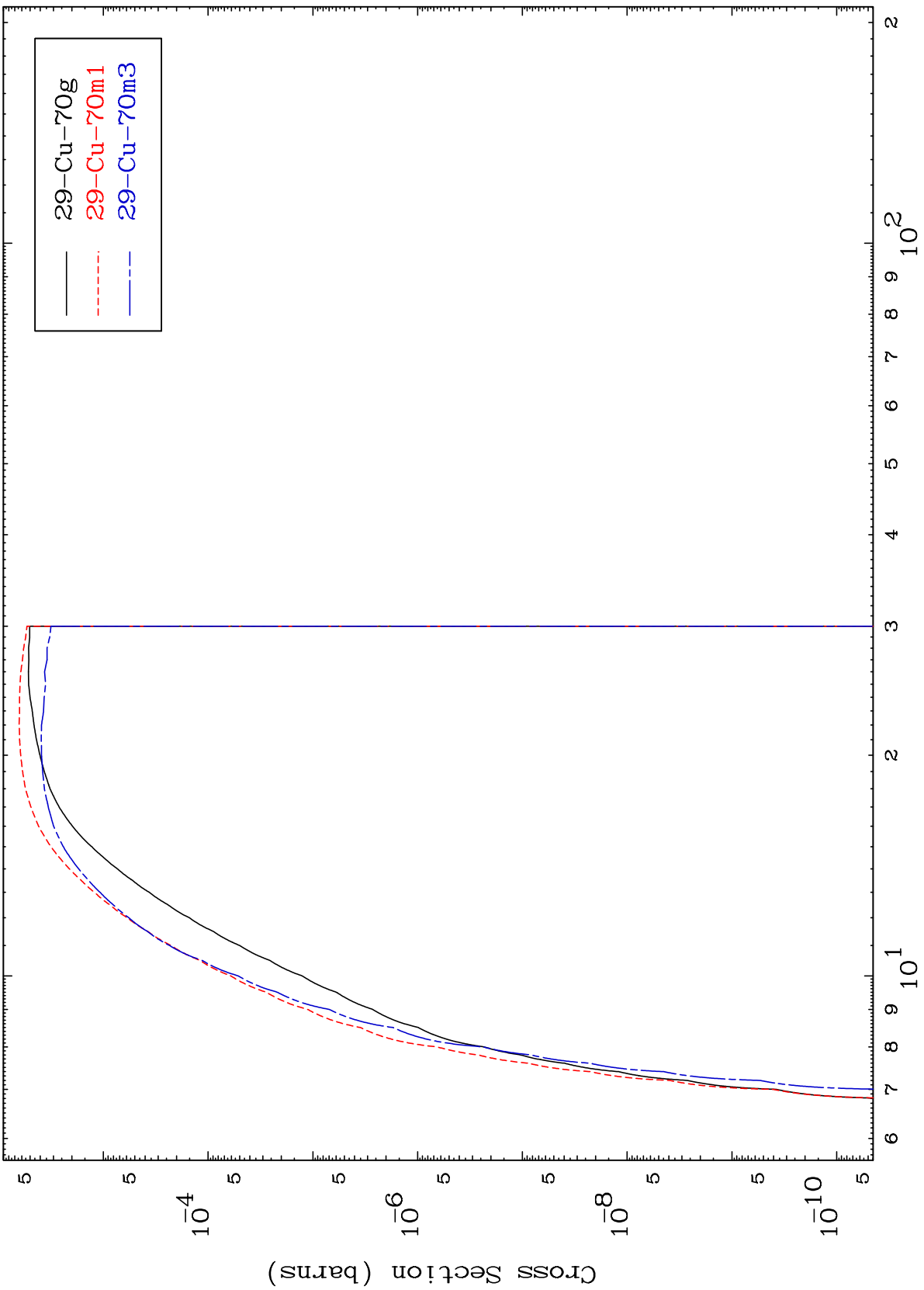
Radionuclide Production Cross Section  
(n,  $\gamma$ )



MAT 3043

30-Zn-70

(n,p)  
Radionuclide Production Cross Section



115

Incident Energy (MeV)

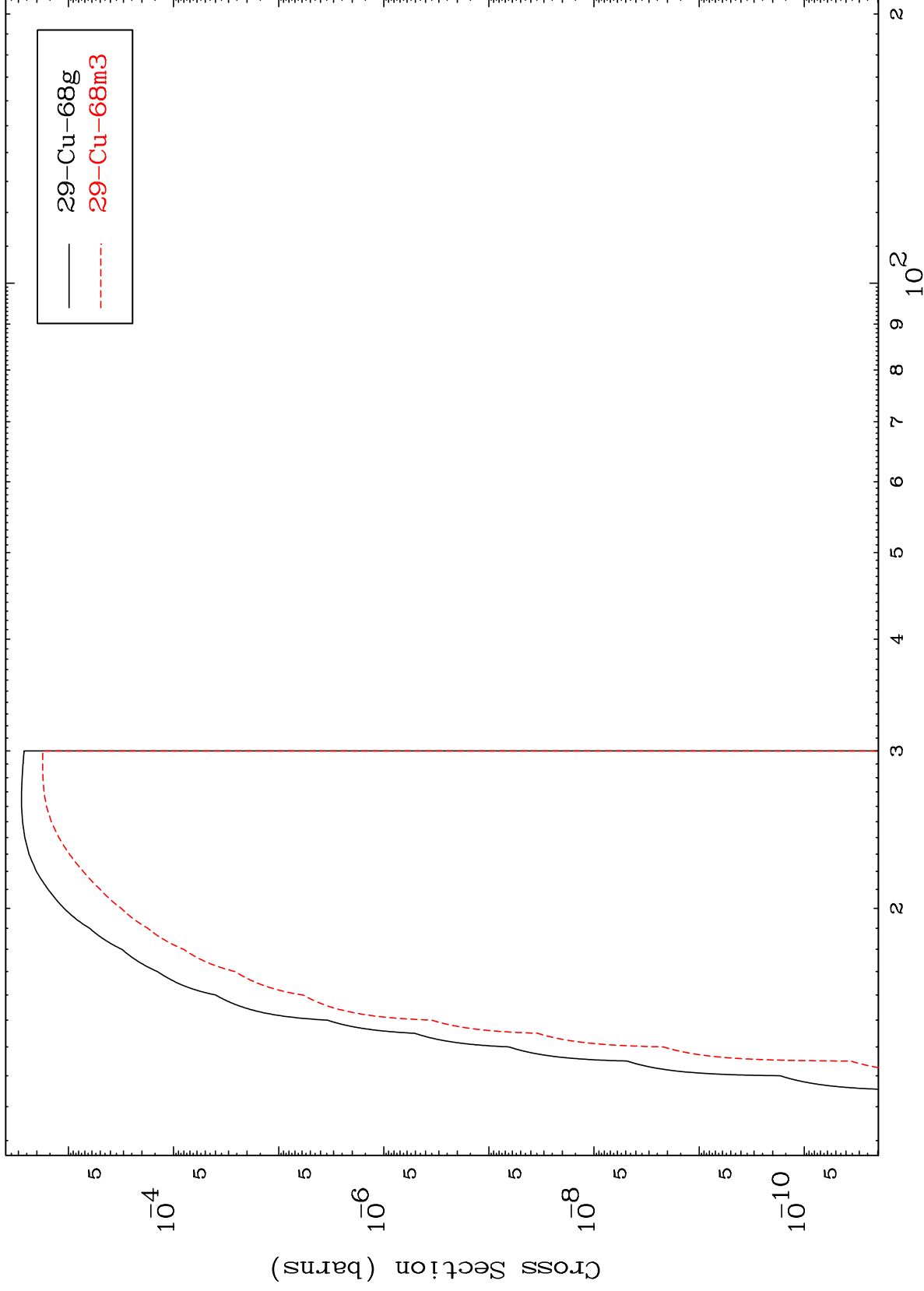
30-Zn-70

MAT 3043

(n, t)

30-Zn-70

Radionuclide Production Cross Section



116

Incident Energy (MeV)

30-Zn-70