

Program EVALPLOT  
(Version 2015-2)

by

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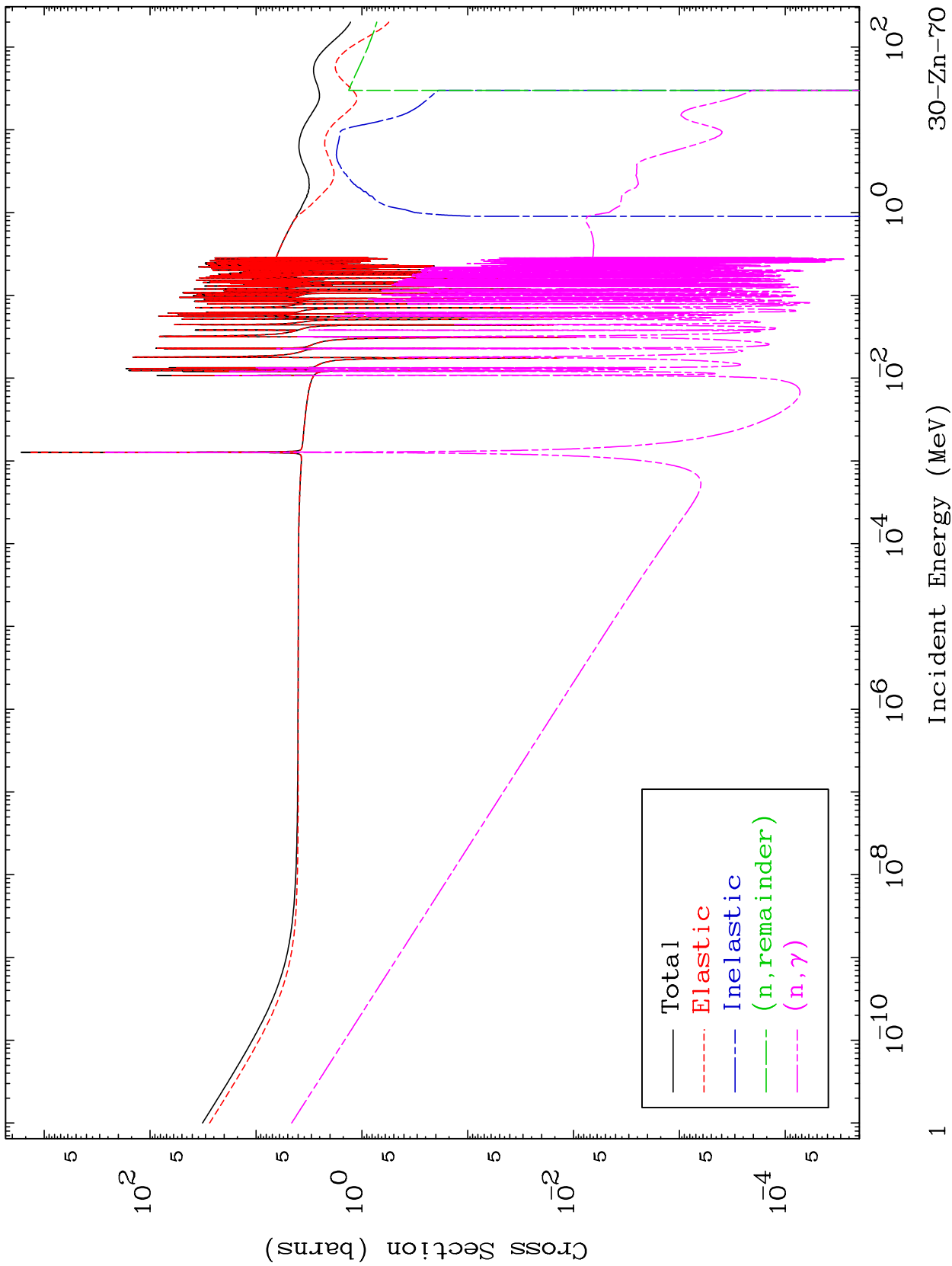
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 3043

Major  
293 Kelvin Cross Sections

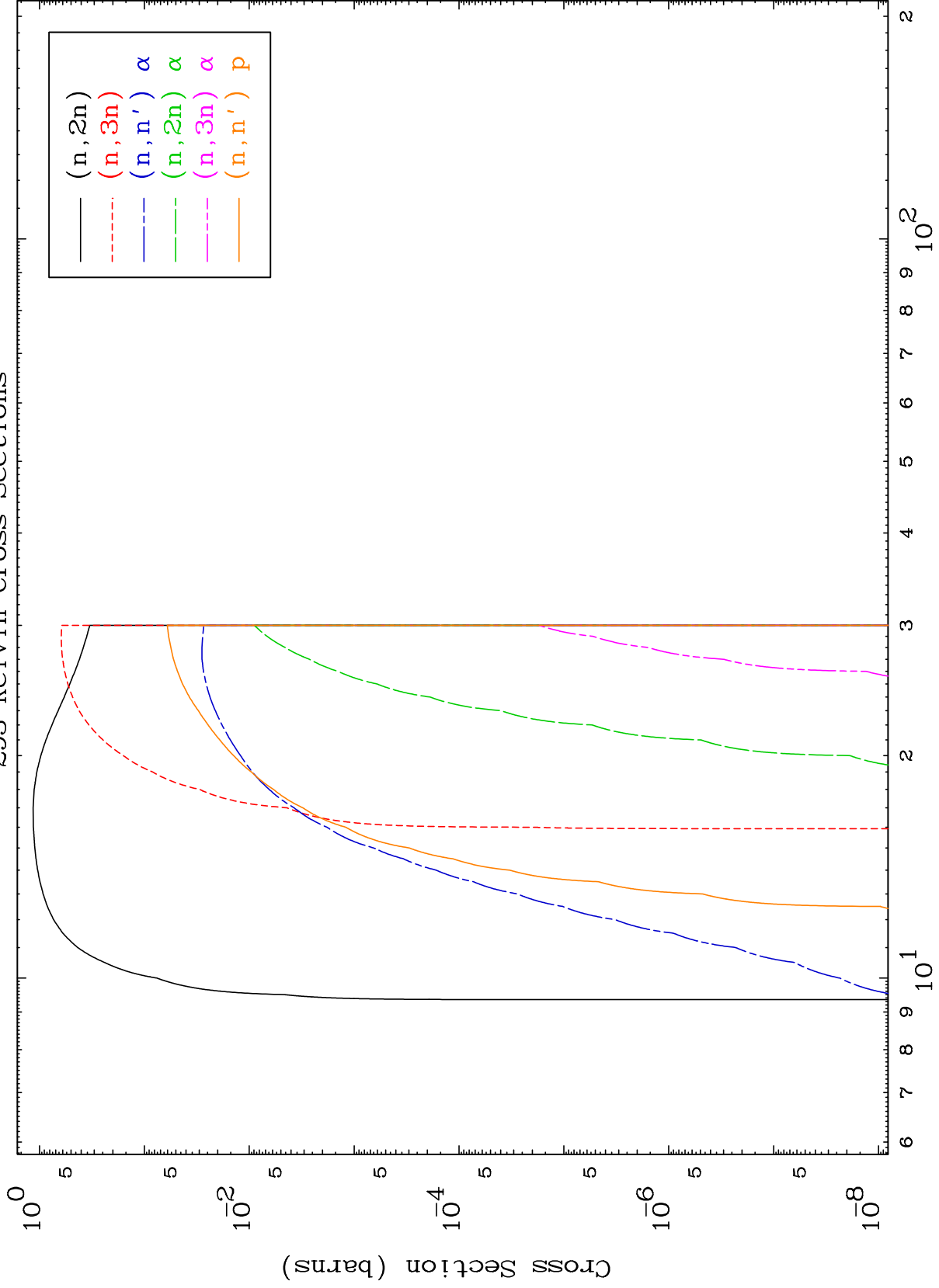
30-Zn-70



MAT 3043

Neutron Production  
293 Kelvin Cross Sections

30-Zn-70



2

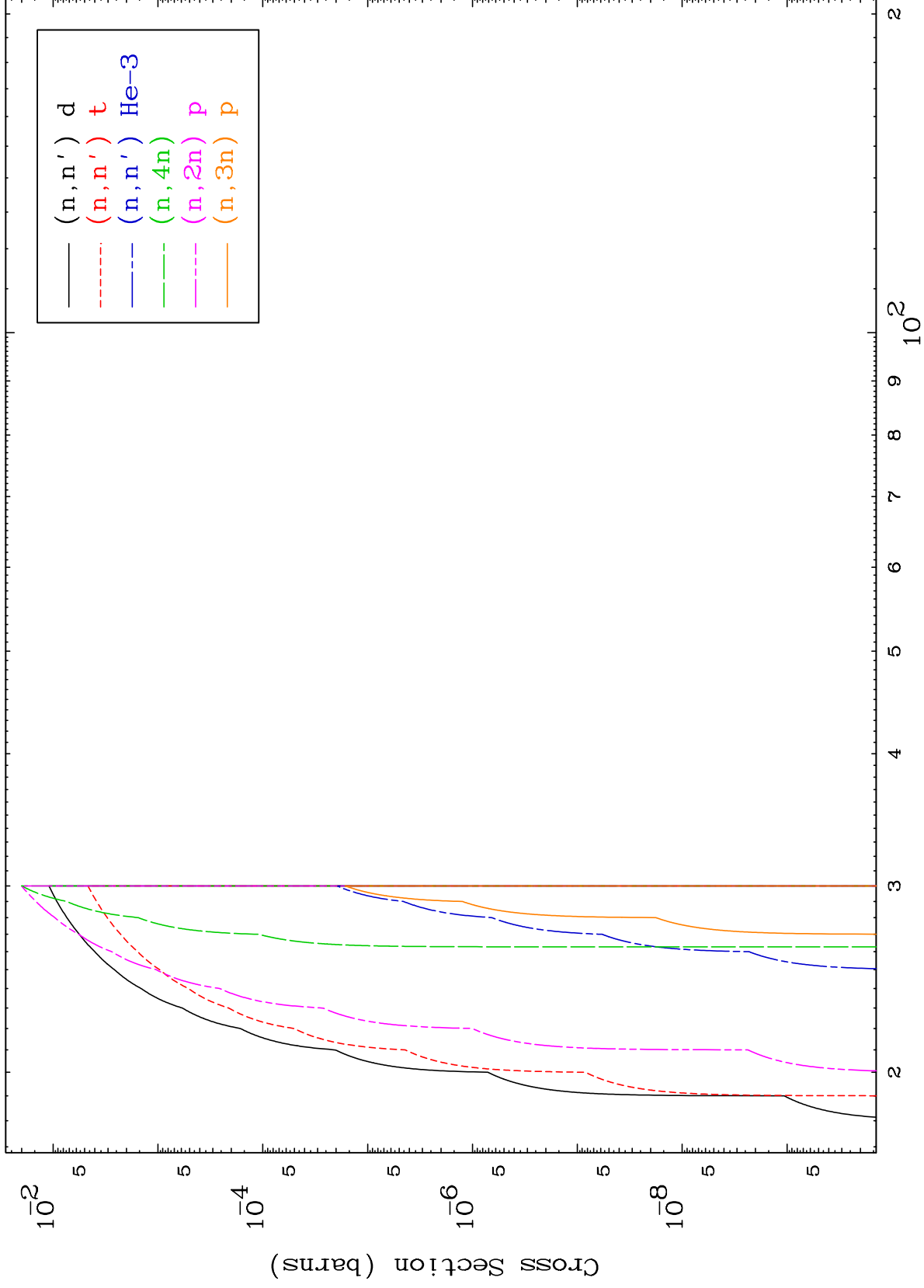
Incident Energy (MeV)

30-Zn-70

MAT 3043

Neutron Production  
293 Kelvin Cross Sections

30-Zn-70



3

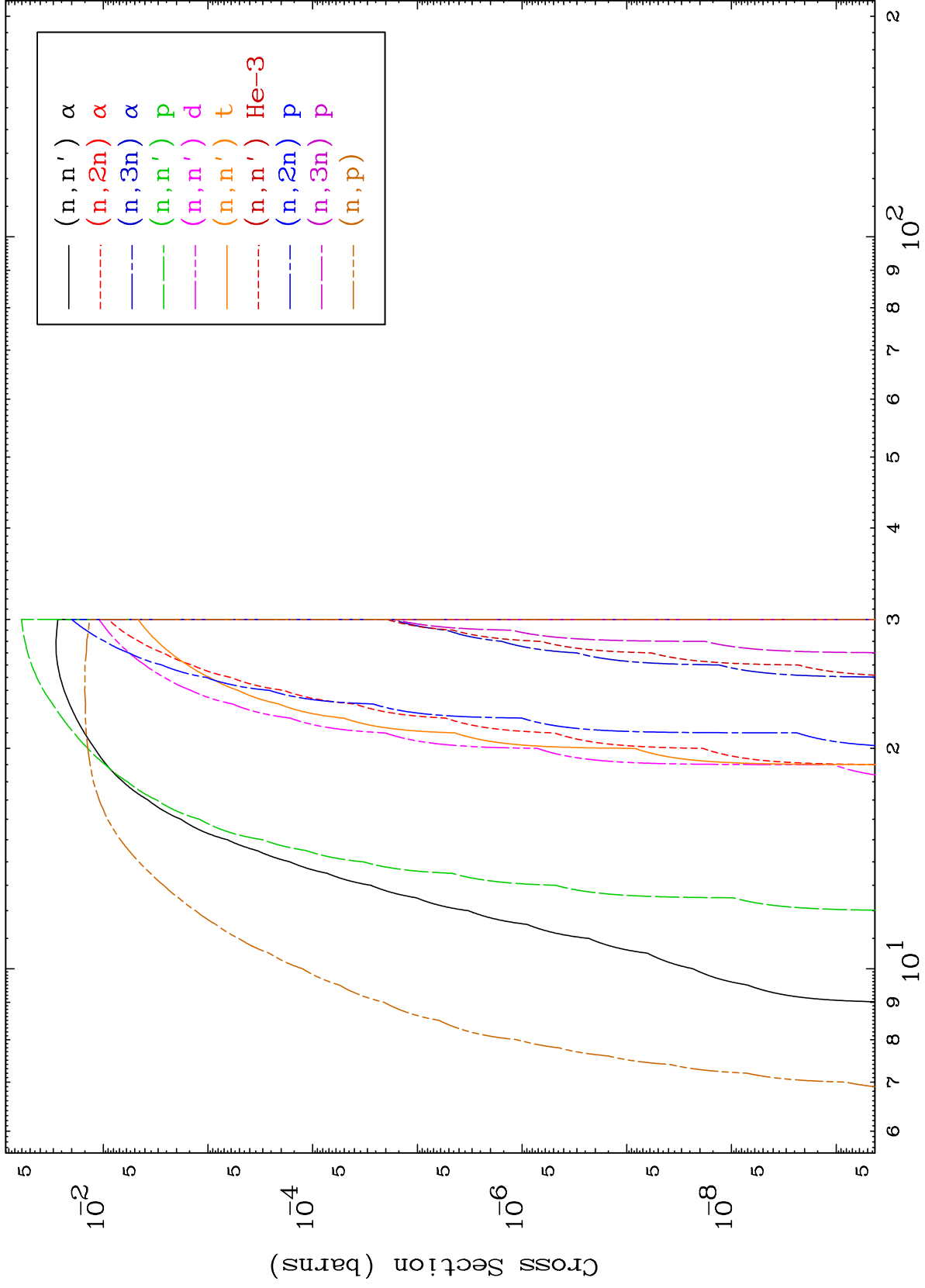
Incident Energy (MeV)

30-Zn-70

MAT 3043

Charged Particle  
293 Kelvin Cross Sections

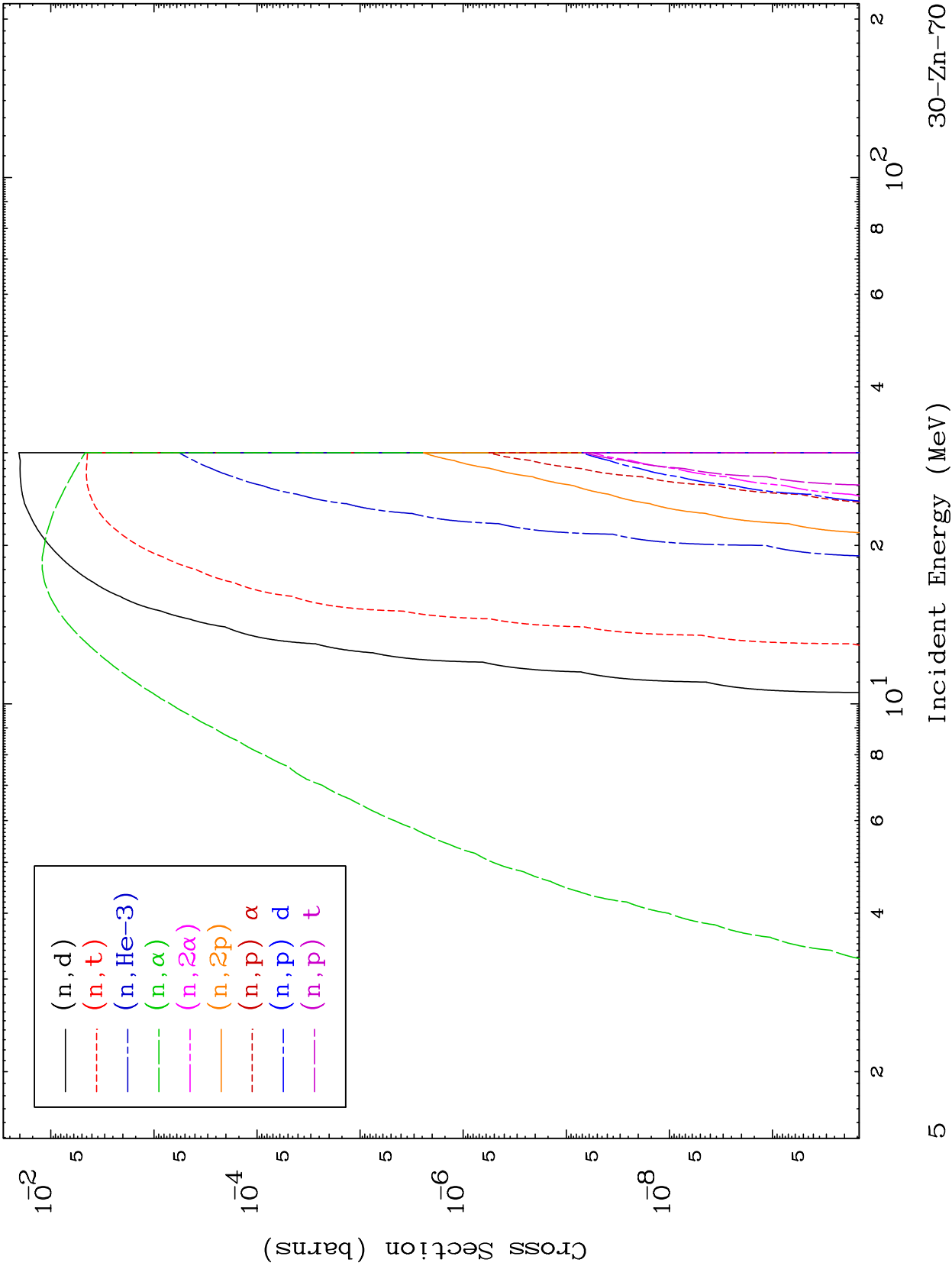
30-Zn-70



4

Incident Energy (MeV)

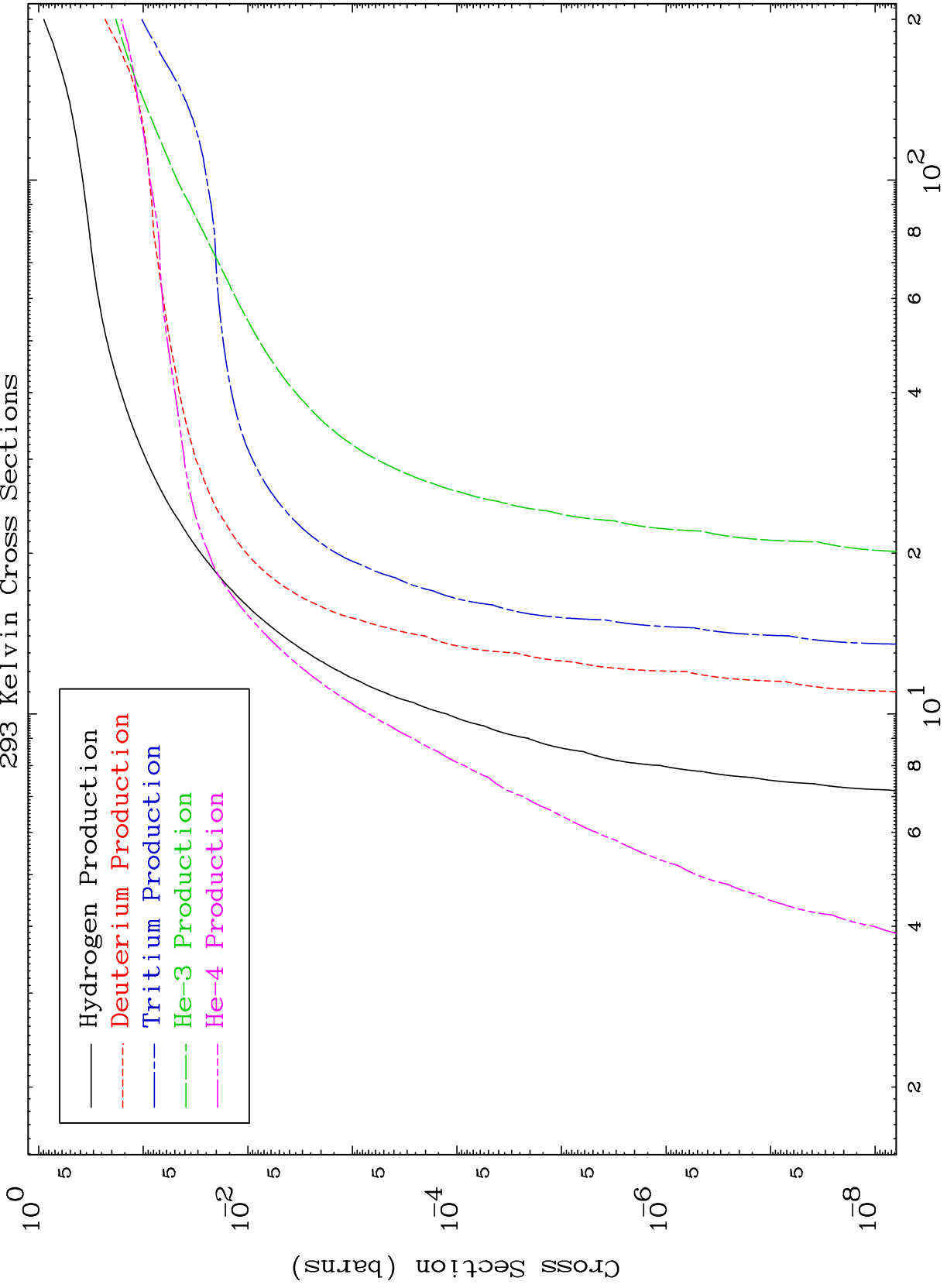
30-Zn-70



MAT 3043

Particle Production  
293 Kelvin Cross Sections

30-Zn-70



6

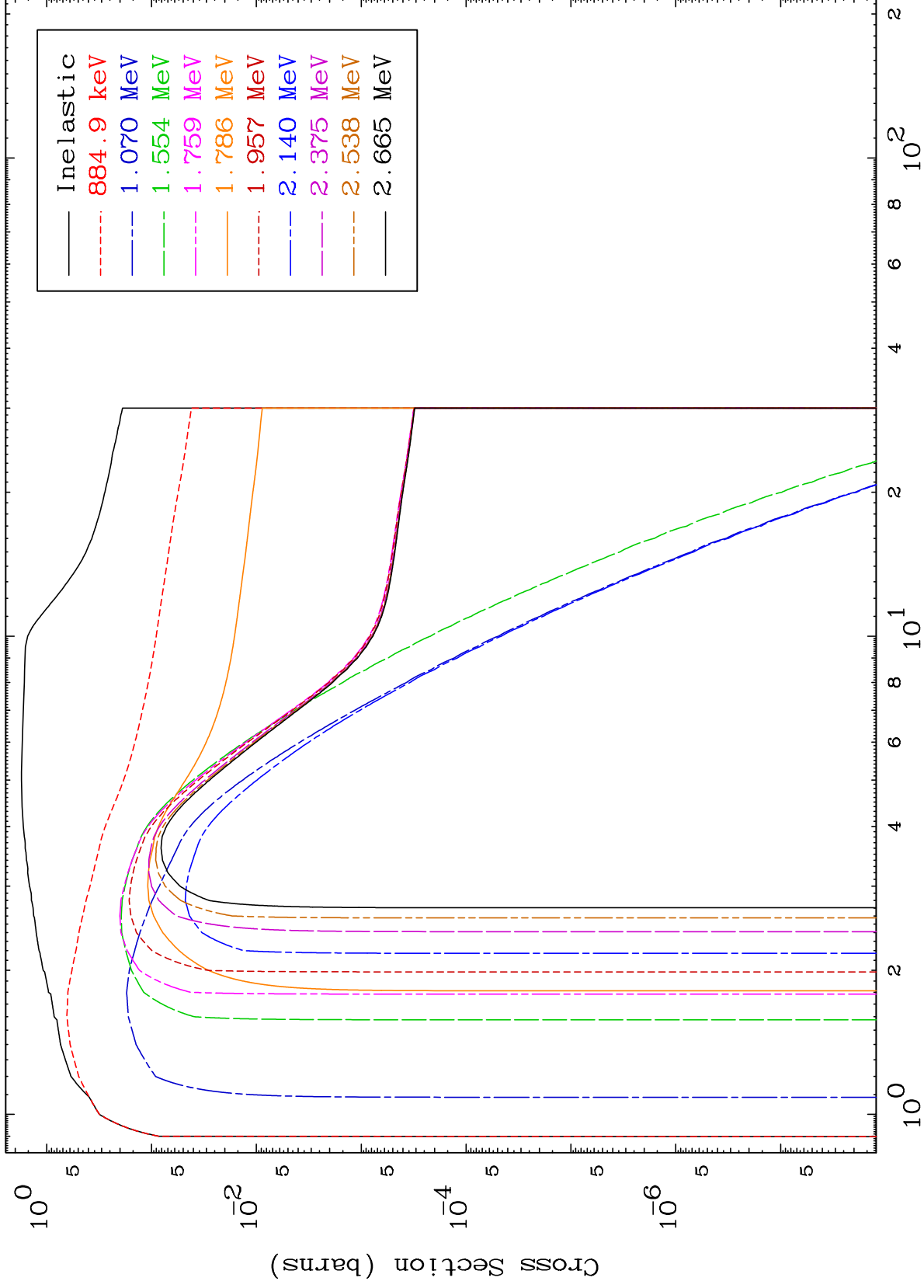
Incident Energy (MeV)

30-Zn-70

MAT 3043

(n,n') Level  
293 Kelvin Cross Sections

30-Zn-70



7

Incident Energy (MeV)

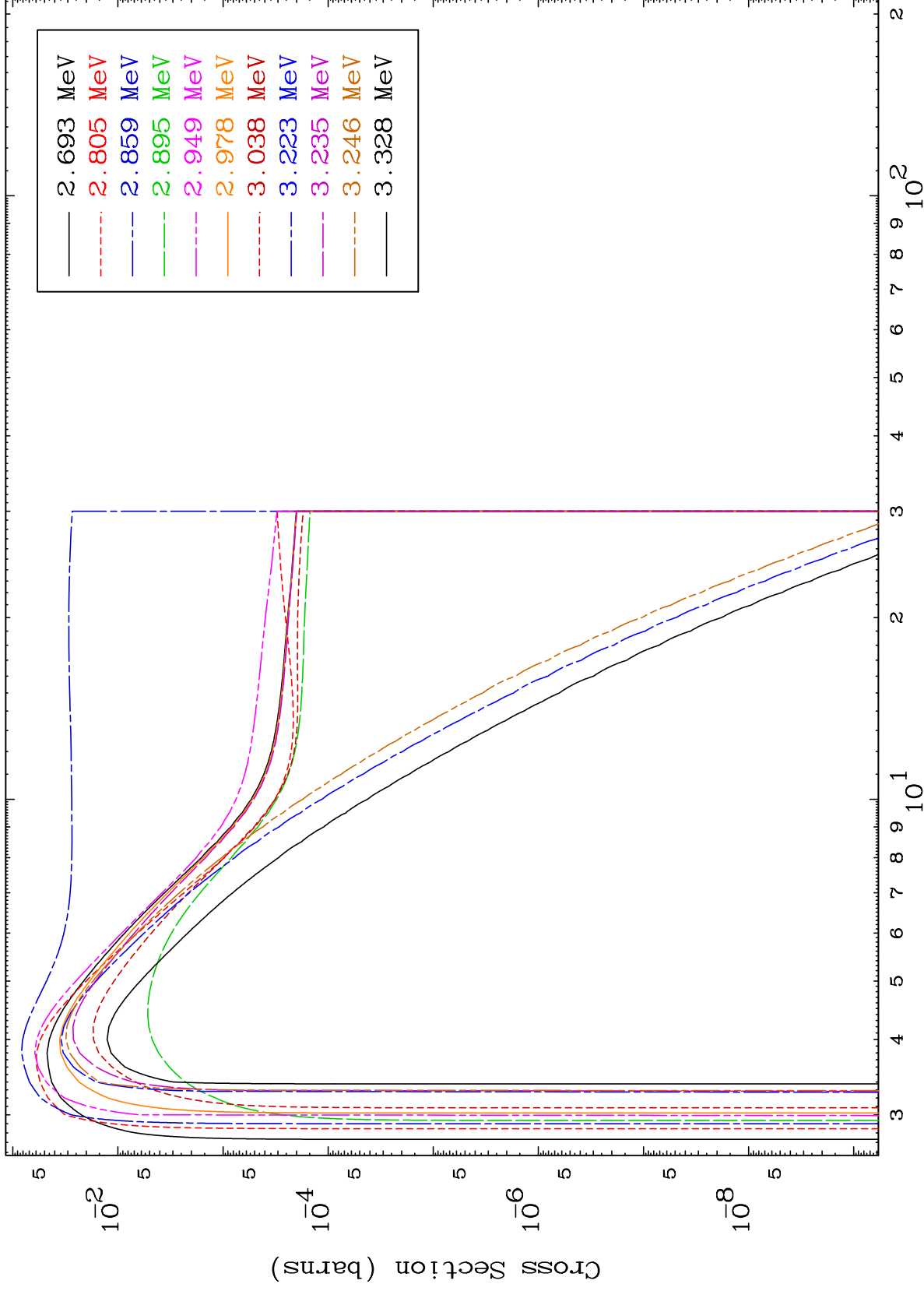
30-Zn-70



MAT 3043

(n,n') Level  
293 Kelvin Cross Sections

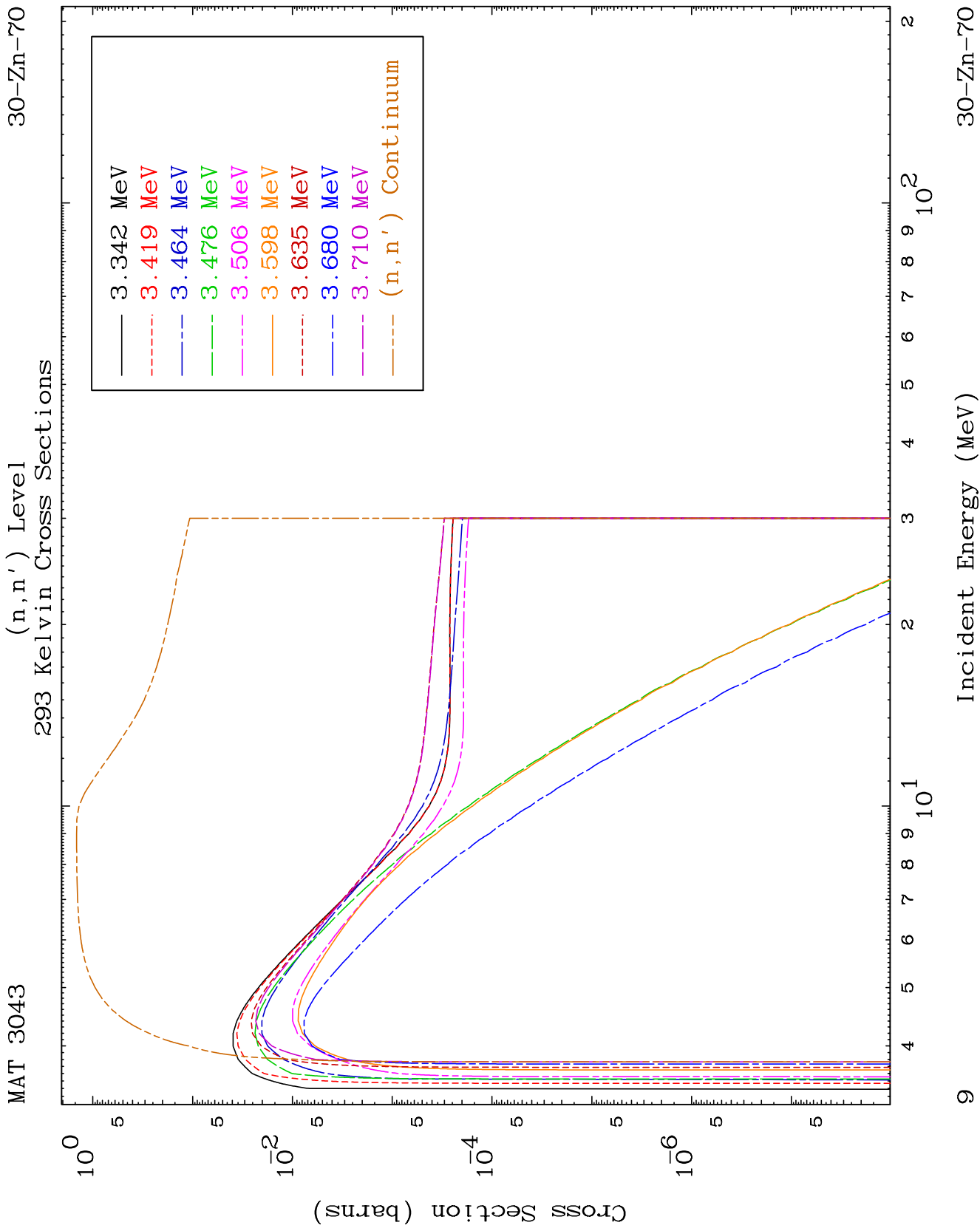
30-Zn-70



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Incident Energy (MeV)

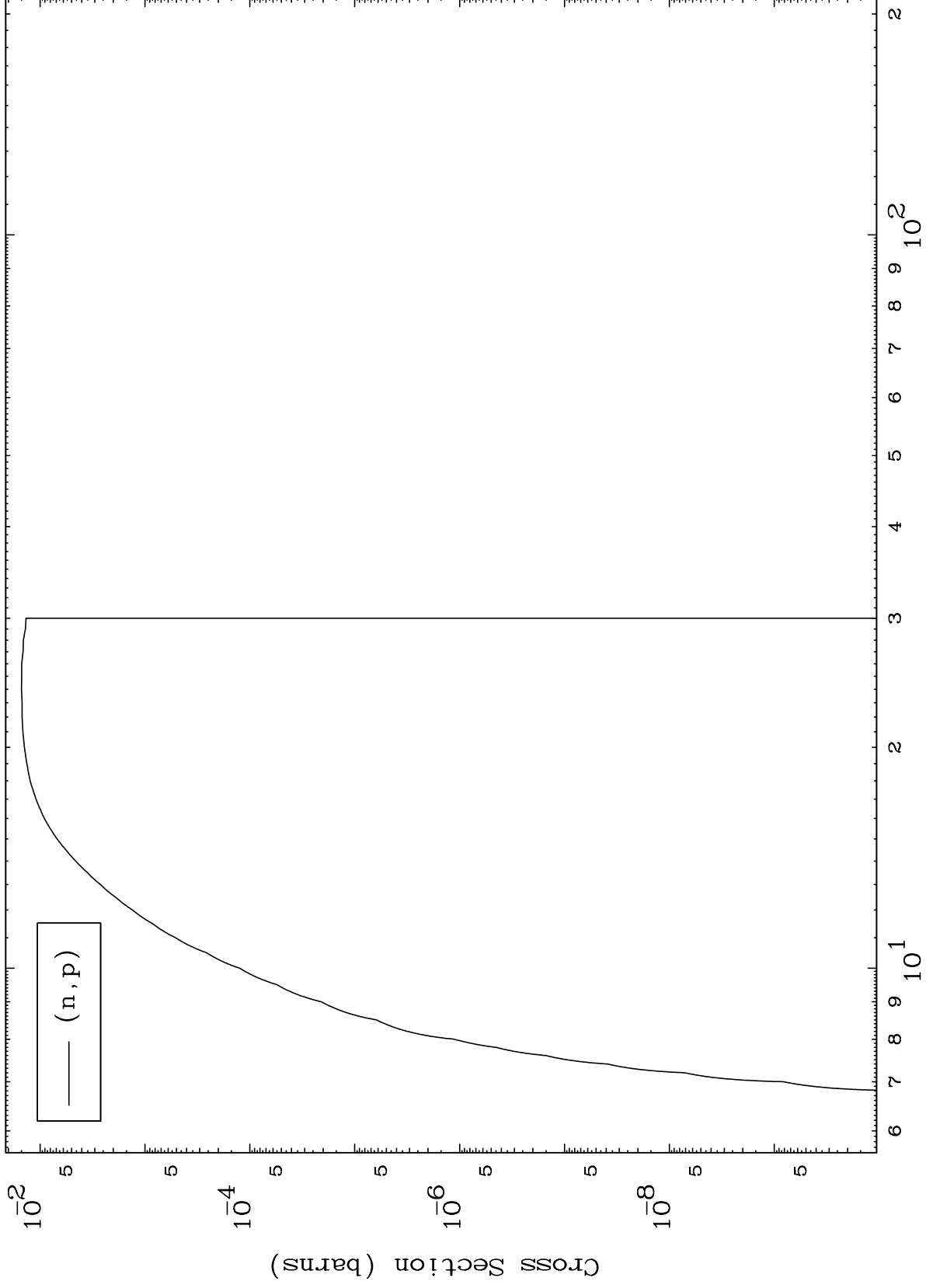
30-Zn-70



MAT 3043

(n,p) Levels  
293 Kelvin Cross Sections

30-Zn-70



10

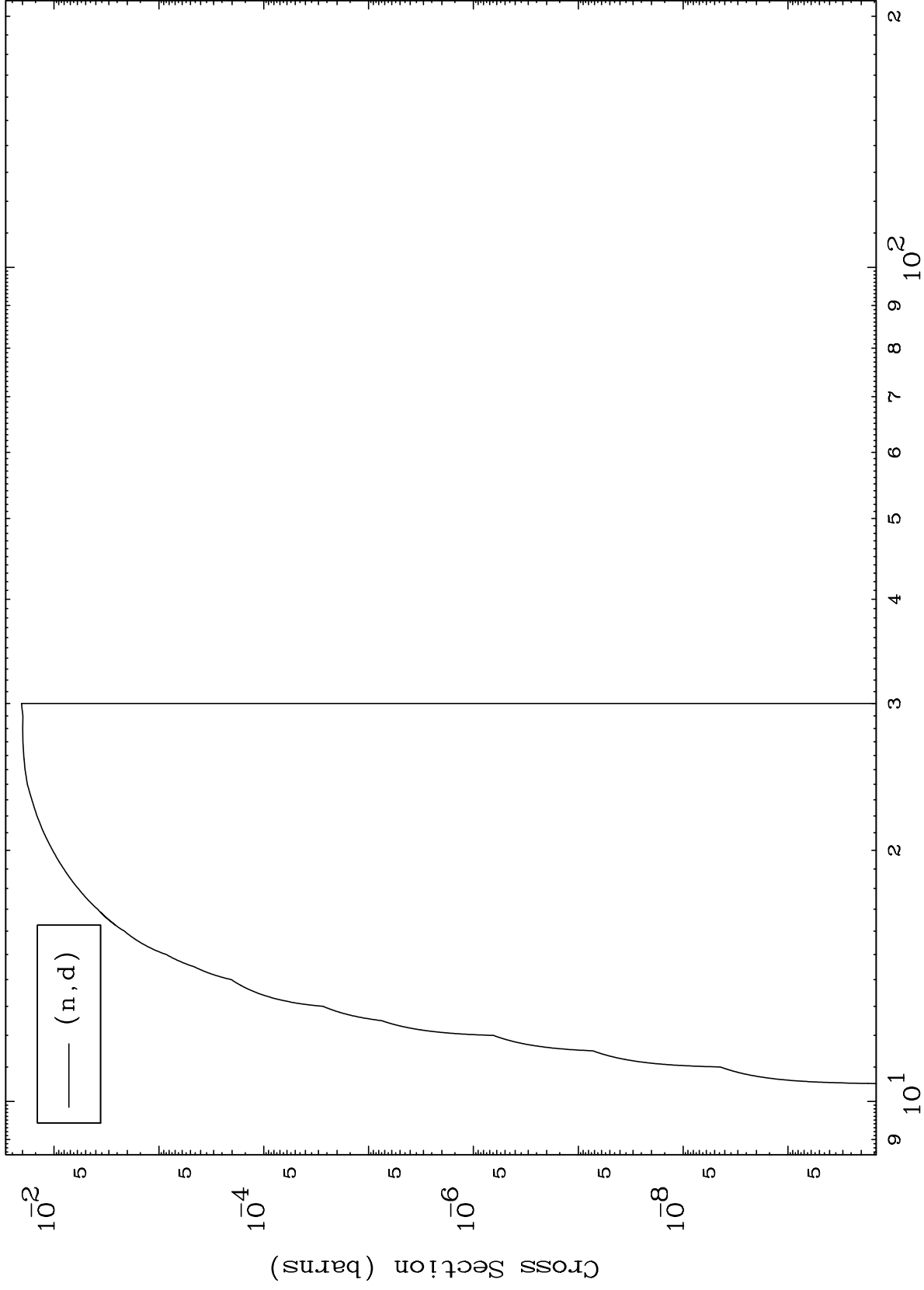
Incident Energy (MeV)

30-Zn-70

MAT 3043

(n,d) Levels  
293 Kelvin Cross Sections

30-Zn-70



11

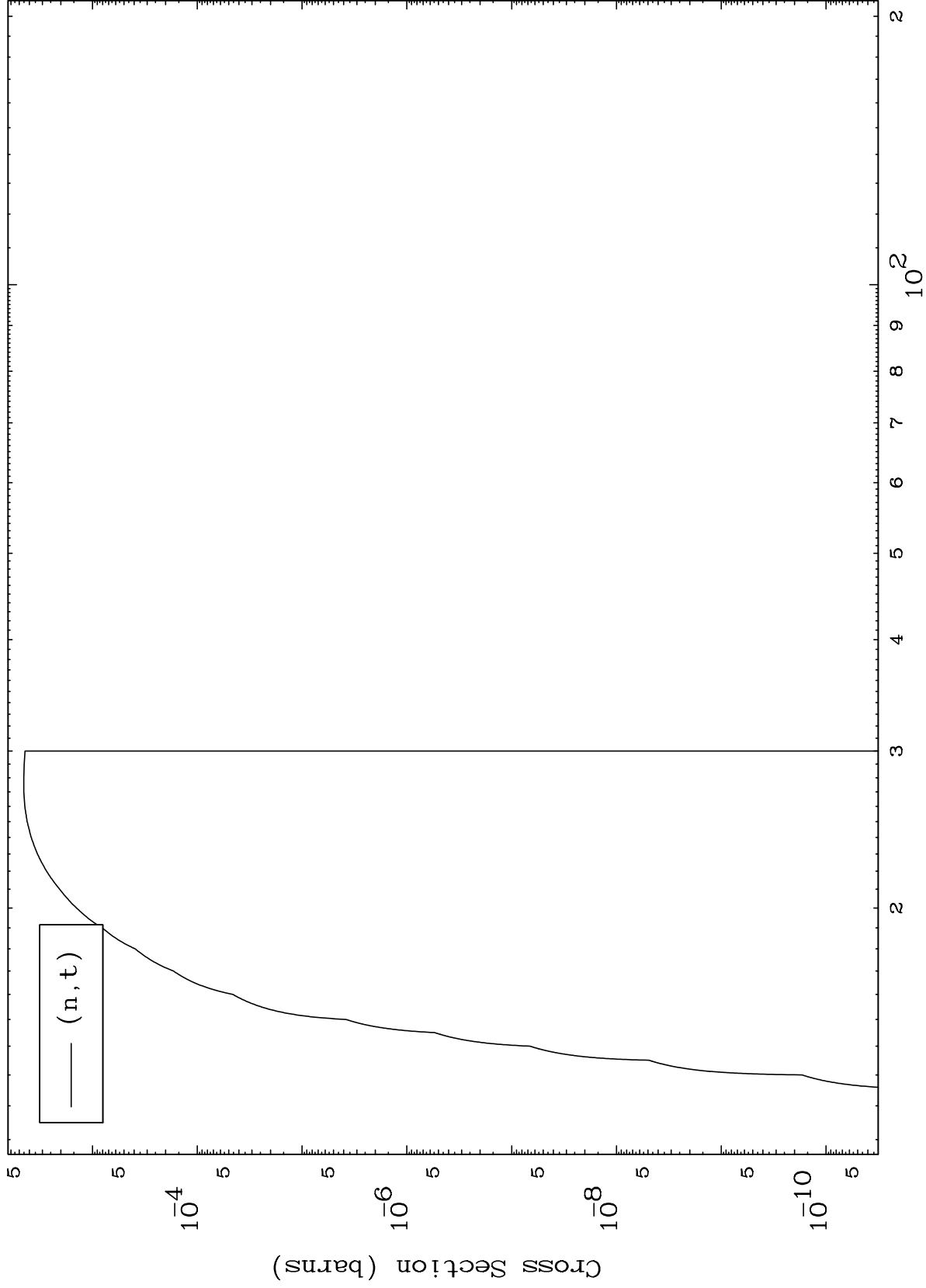
Incident Energy (MeV)

30-Zn-70

MAT 3043

(n,t) Levels  
293 Kelvin Cross Sections

30-Zn-70



12

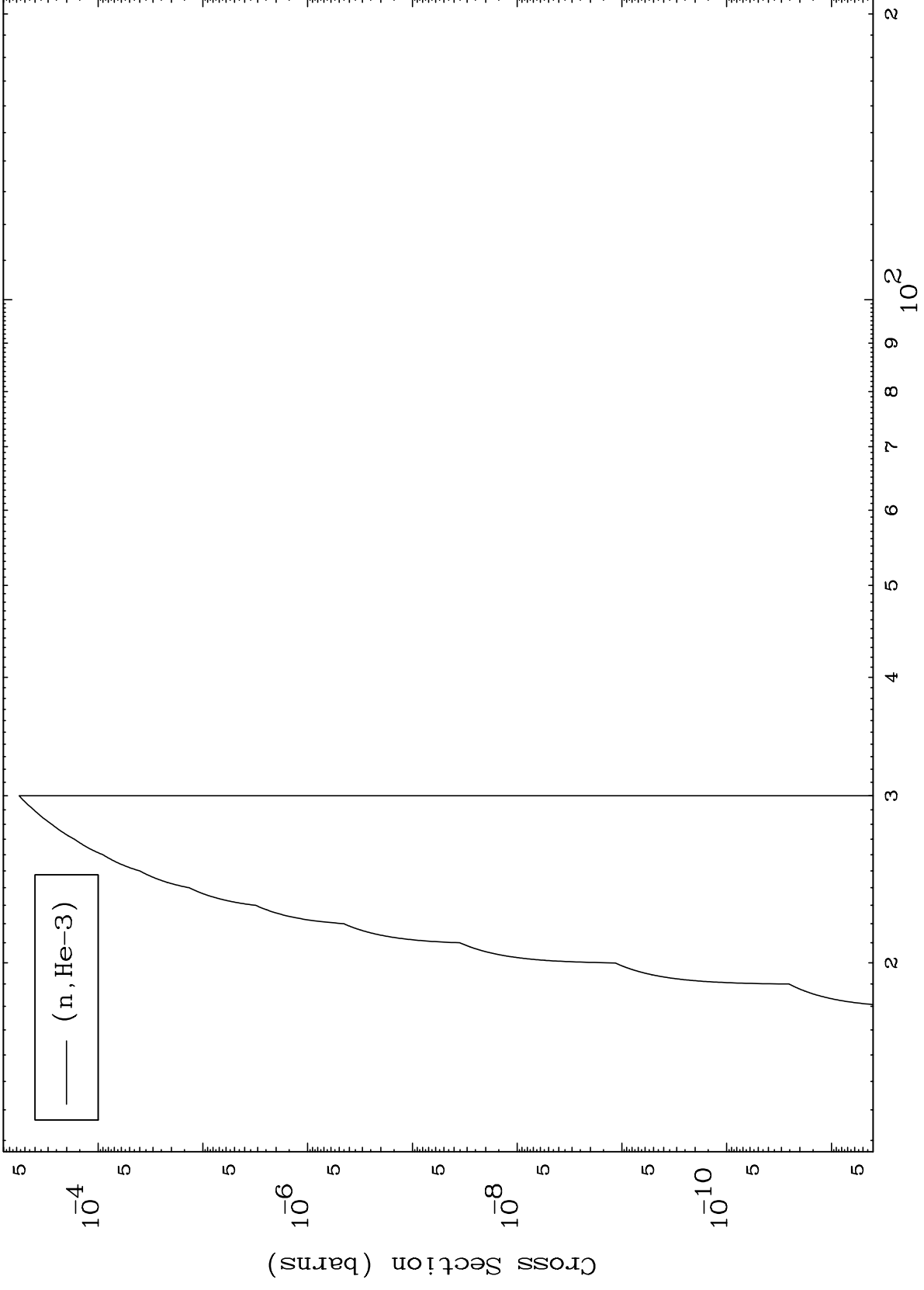
Incident Energy (MeV)

30-Zn-70

MAT 3043

(n,He3) Levels  
293 Kelvin Cross Sections

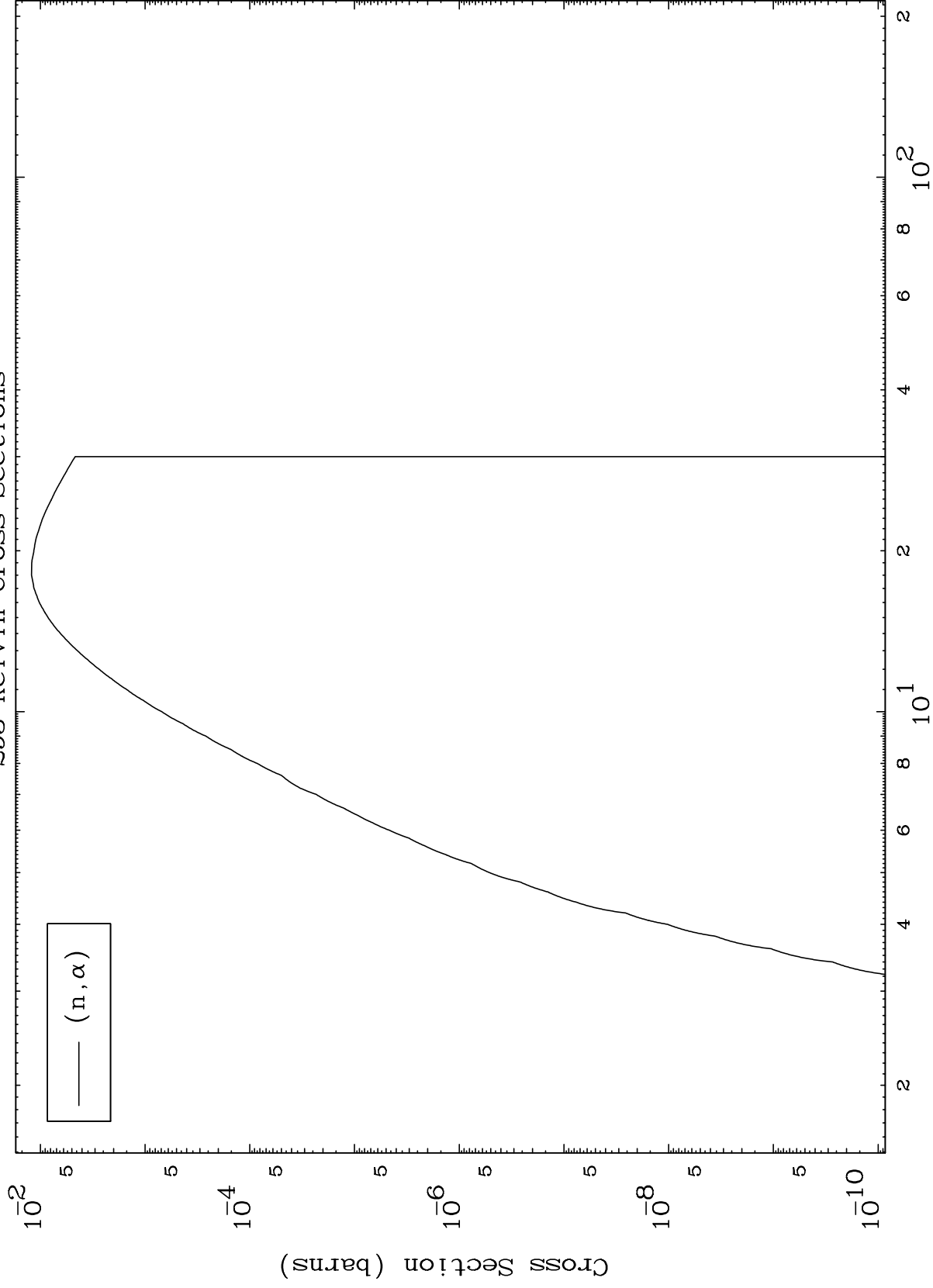
30-Zn-70



MAT 3043

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

30-Zn-70



14

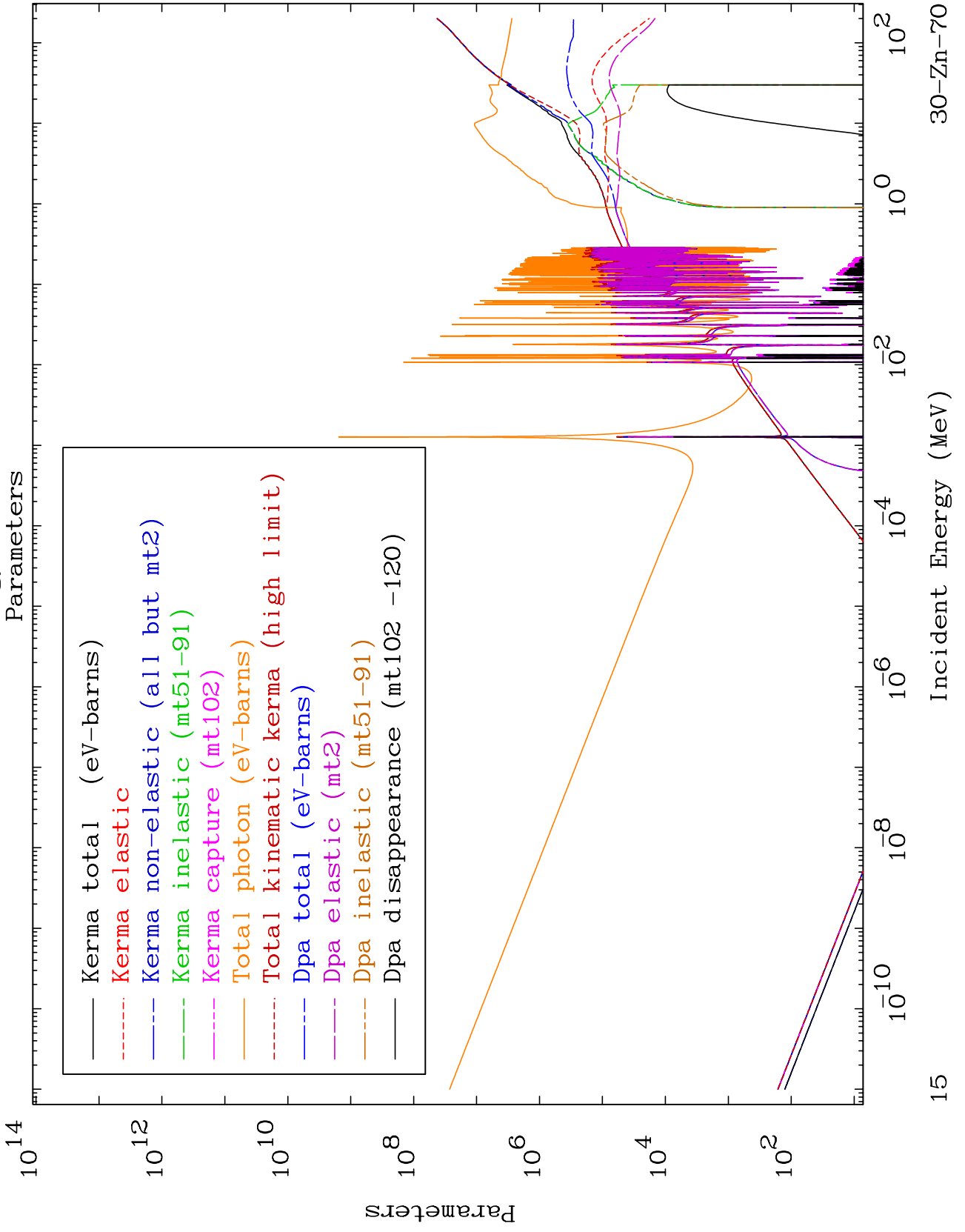
Incident Energy (MeV)

30-Zn-70

MAT 3043

Energy Release  
Parameters

30-Zn-70

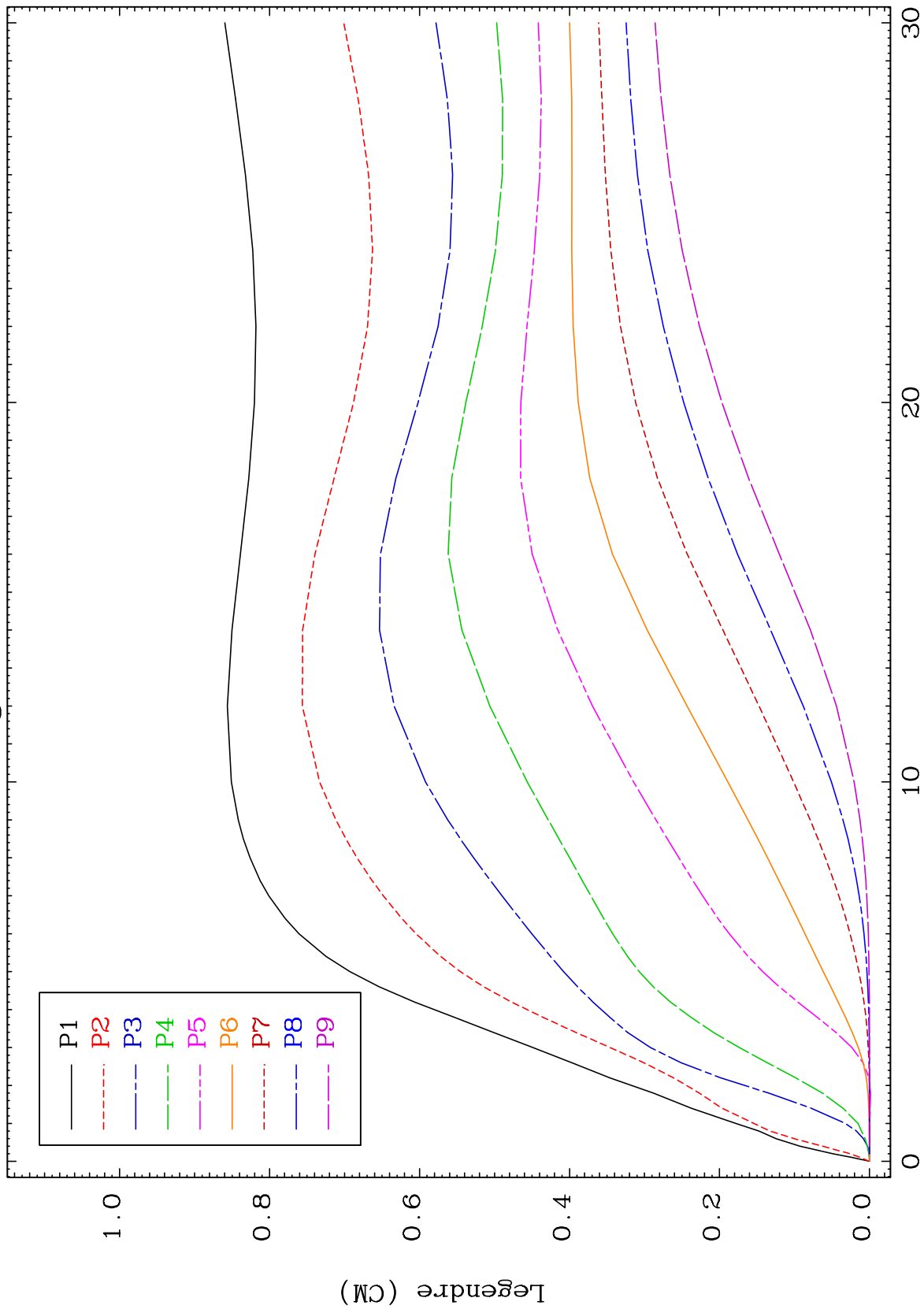




MAT 3043

Elastic Legendre Coefficients

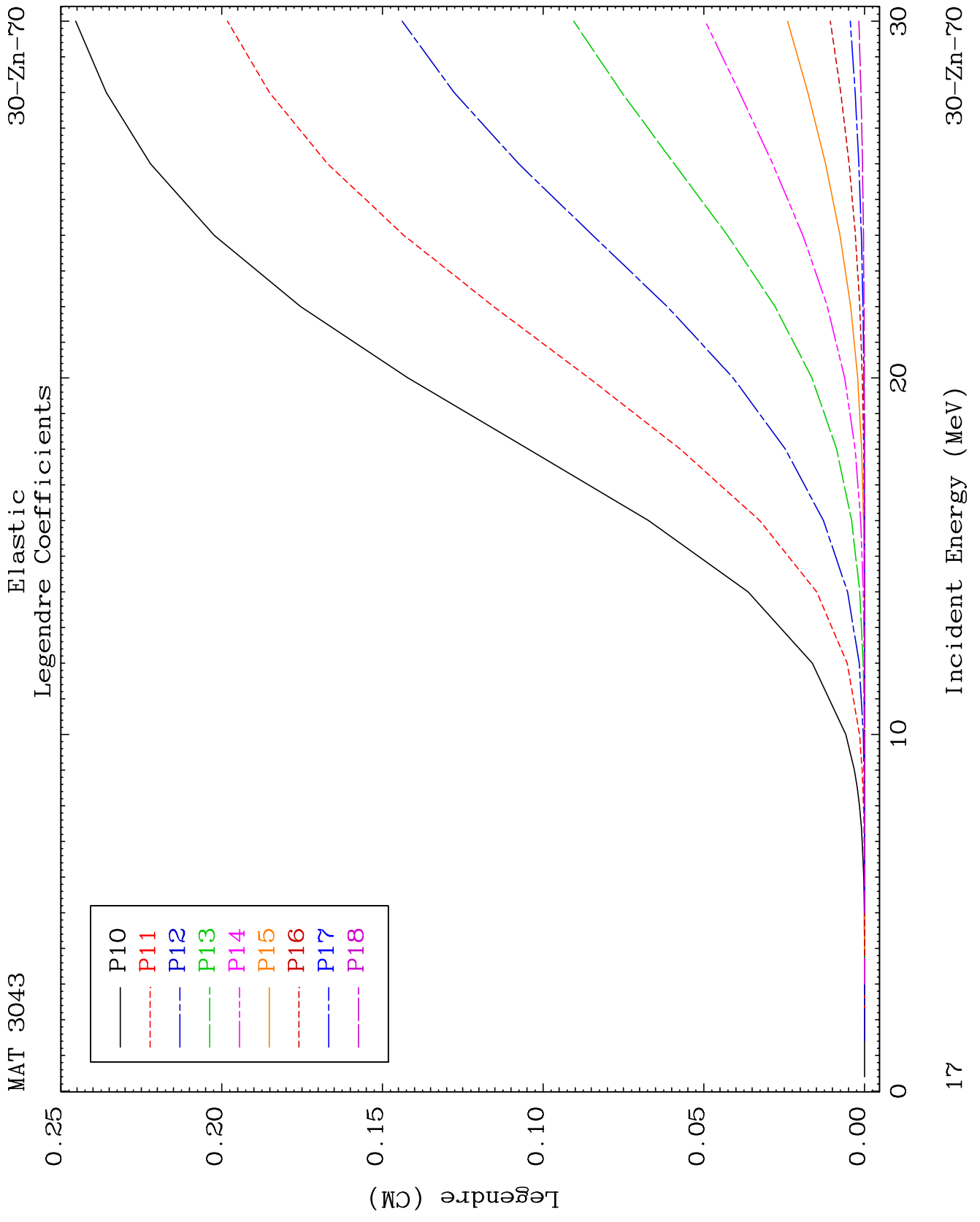
30-Zn-70



16

Incident Energy (MeV)

30-Zn-70



MAT 3043

Elastic Legendre Coefficients

30-Zn-70

17

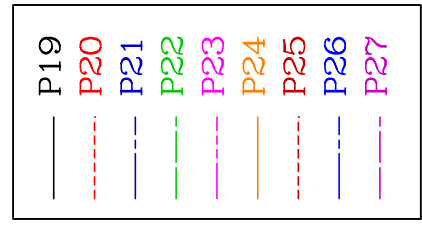
Incident Energy (MeV)

30-Zn-70

MAT 3043

Elastic Legendre Coefficients

30-Zn-70



$\times 10^{-4}$

Legendre (CM)

6

4

2

0

10

15

20

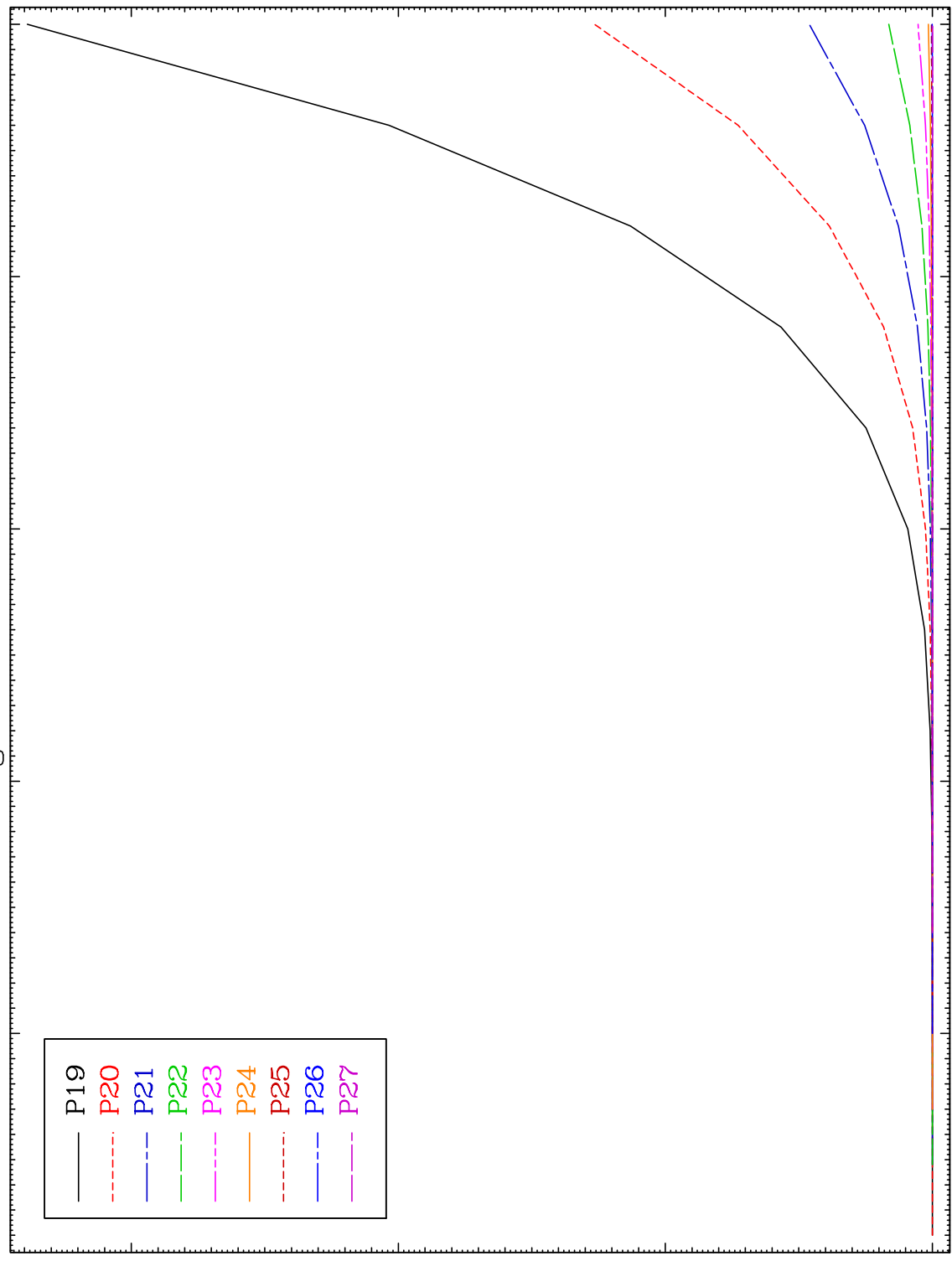
25

30

18

Incident Energy (MeV)

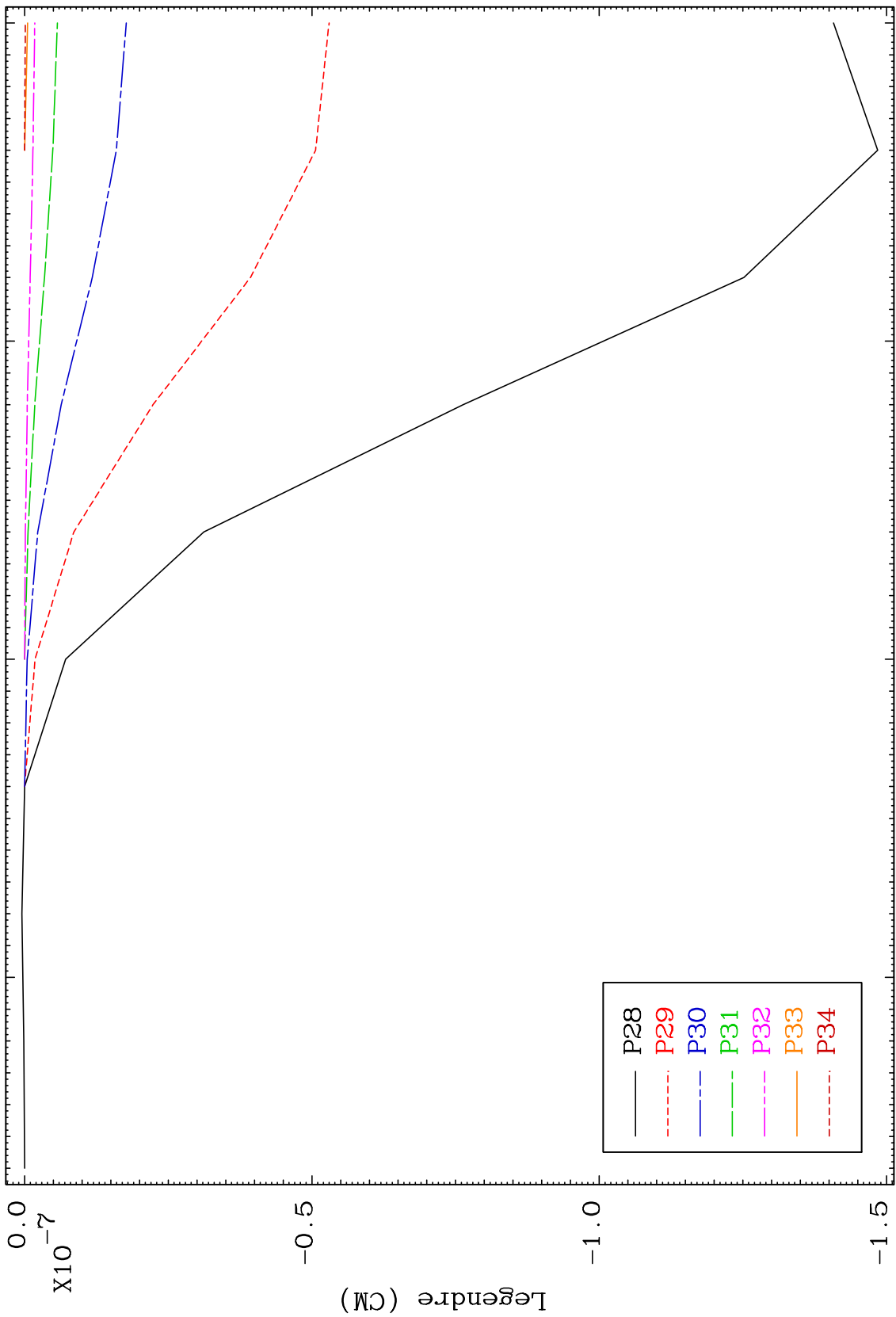
30-Zn-70



MAT 3043

30-Zn-70

Elastic Legendre Coefficients

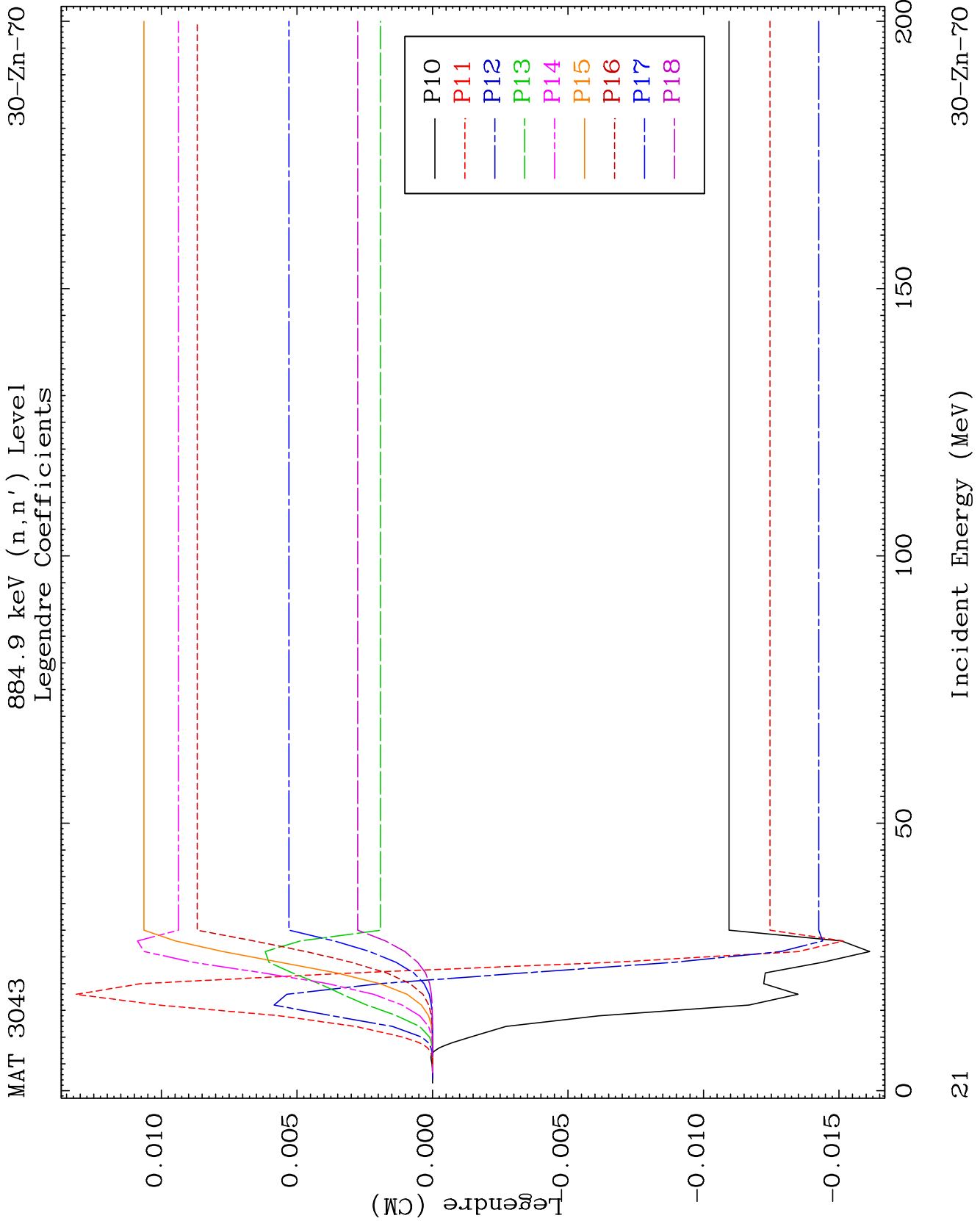


19

Incident Energy (MeV)

30-Zn-70

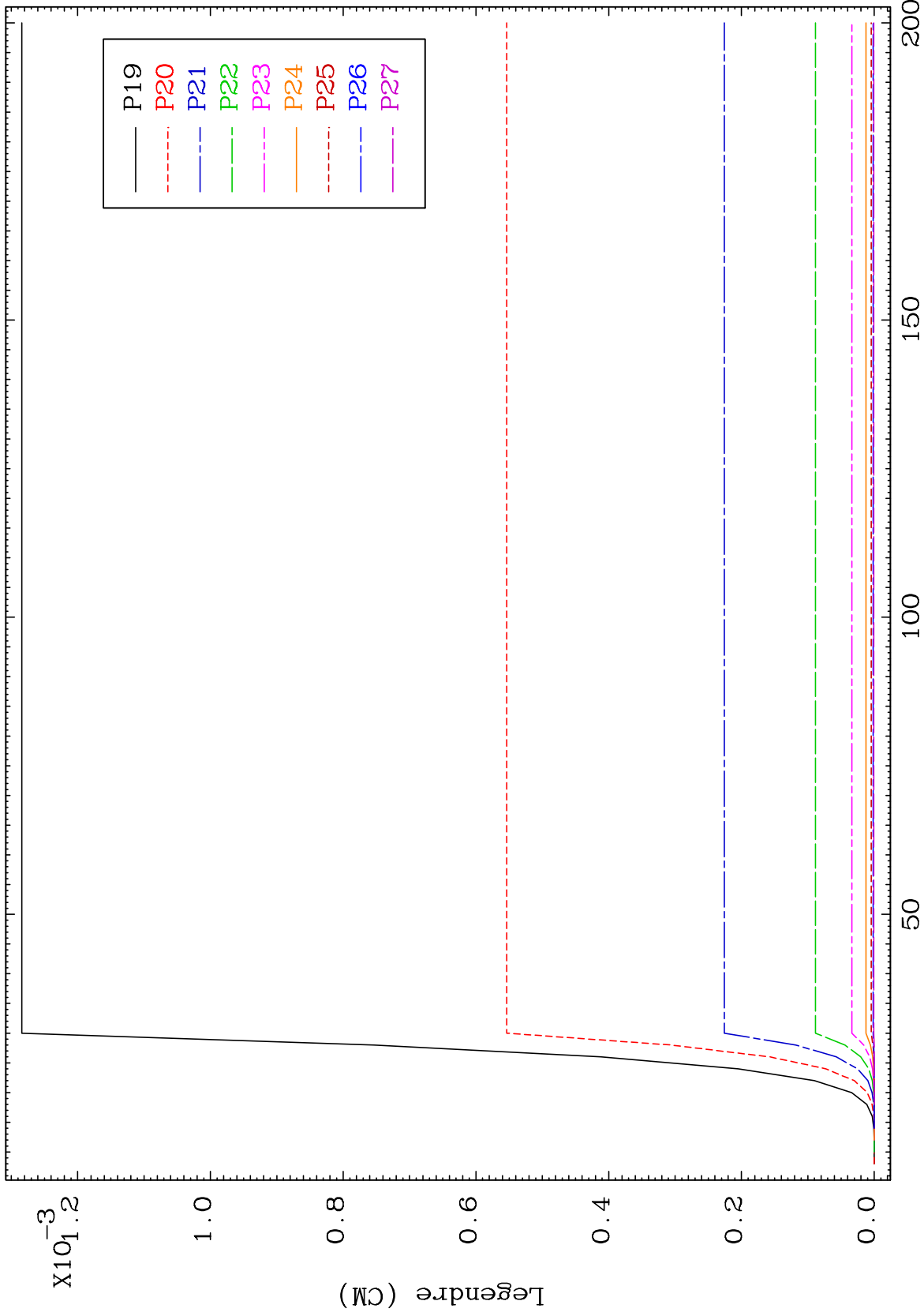




MAT 3043

884.9 keV (n, n') Level  
Legendre Coefficients

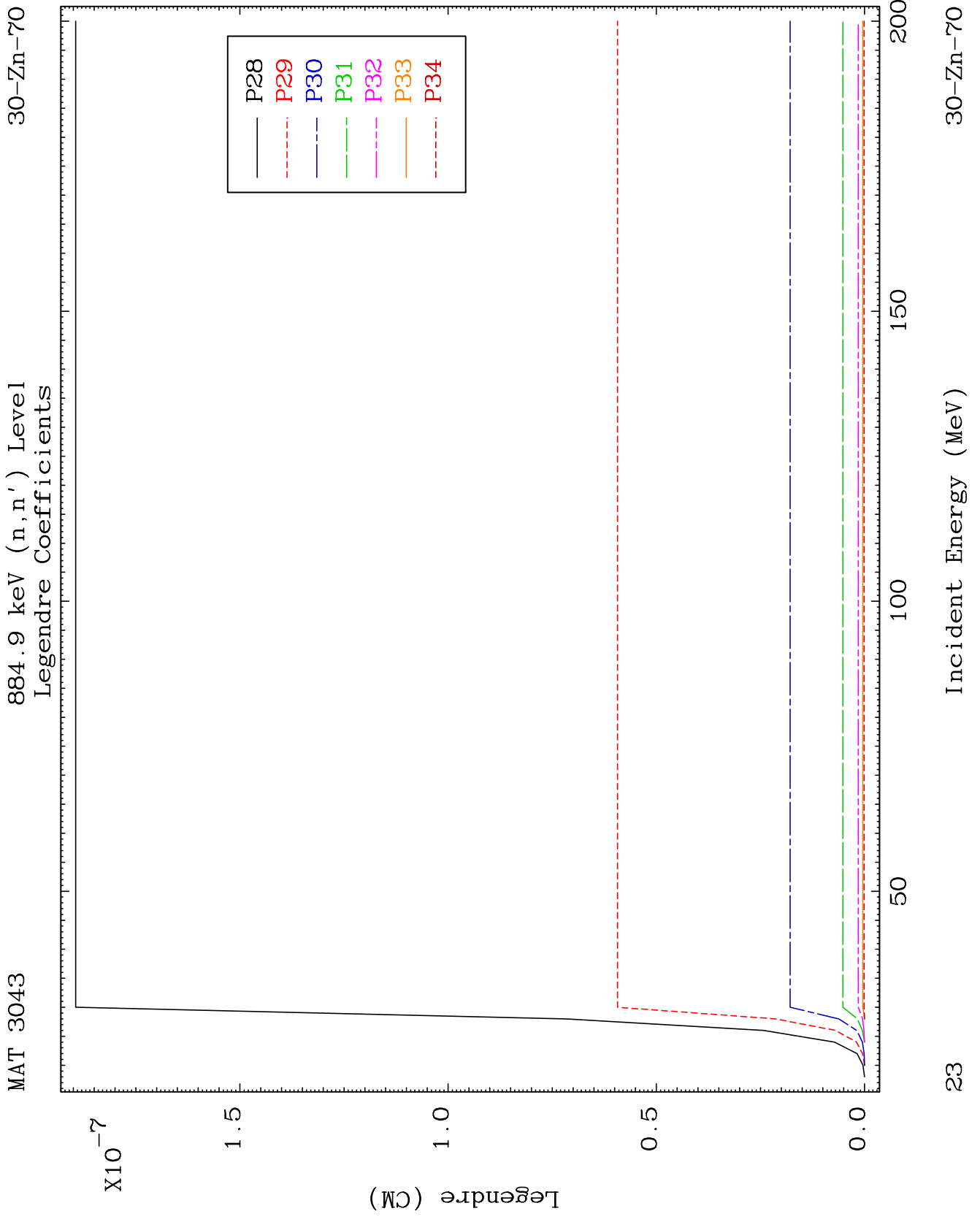
30-Zn-70



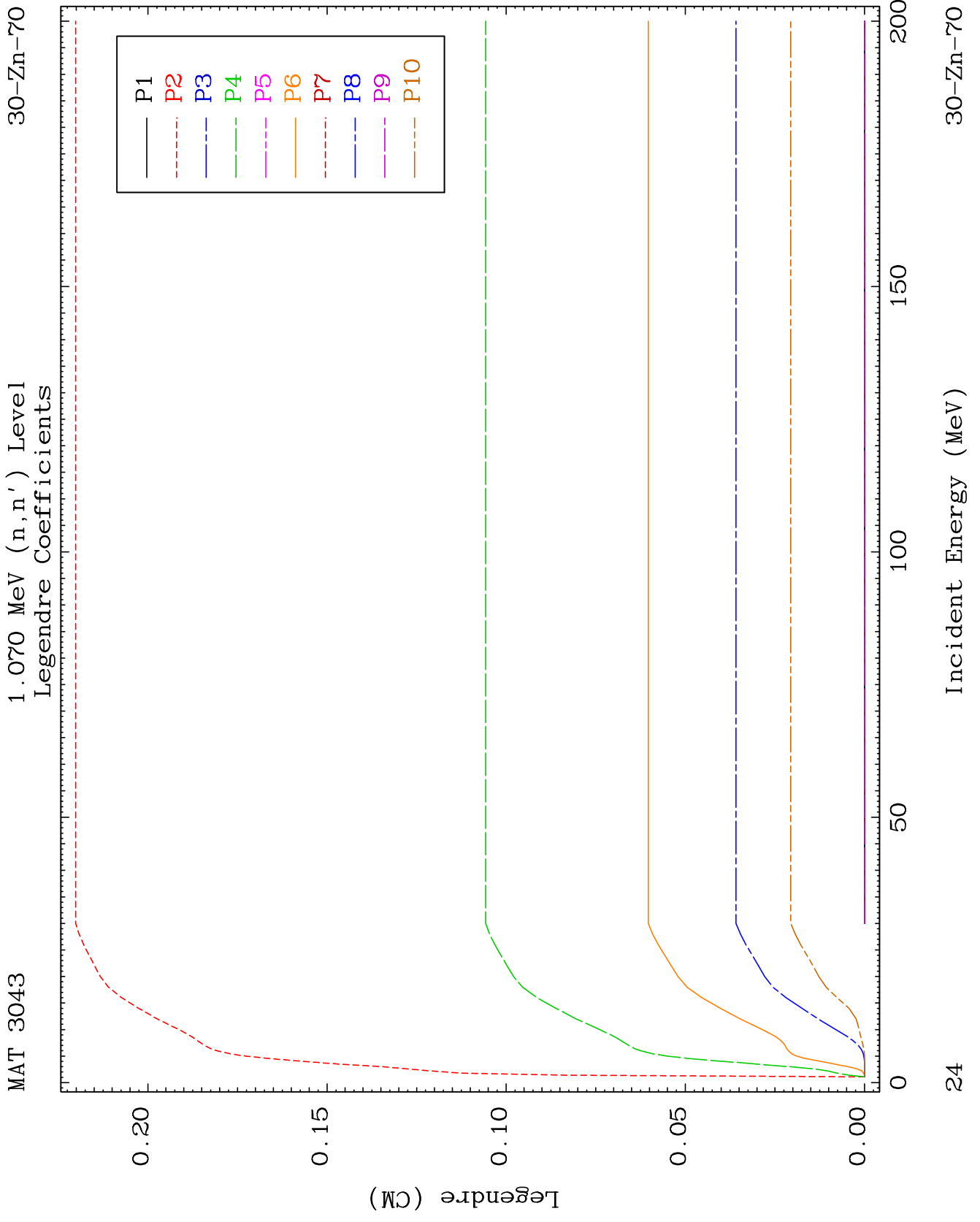
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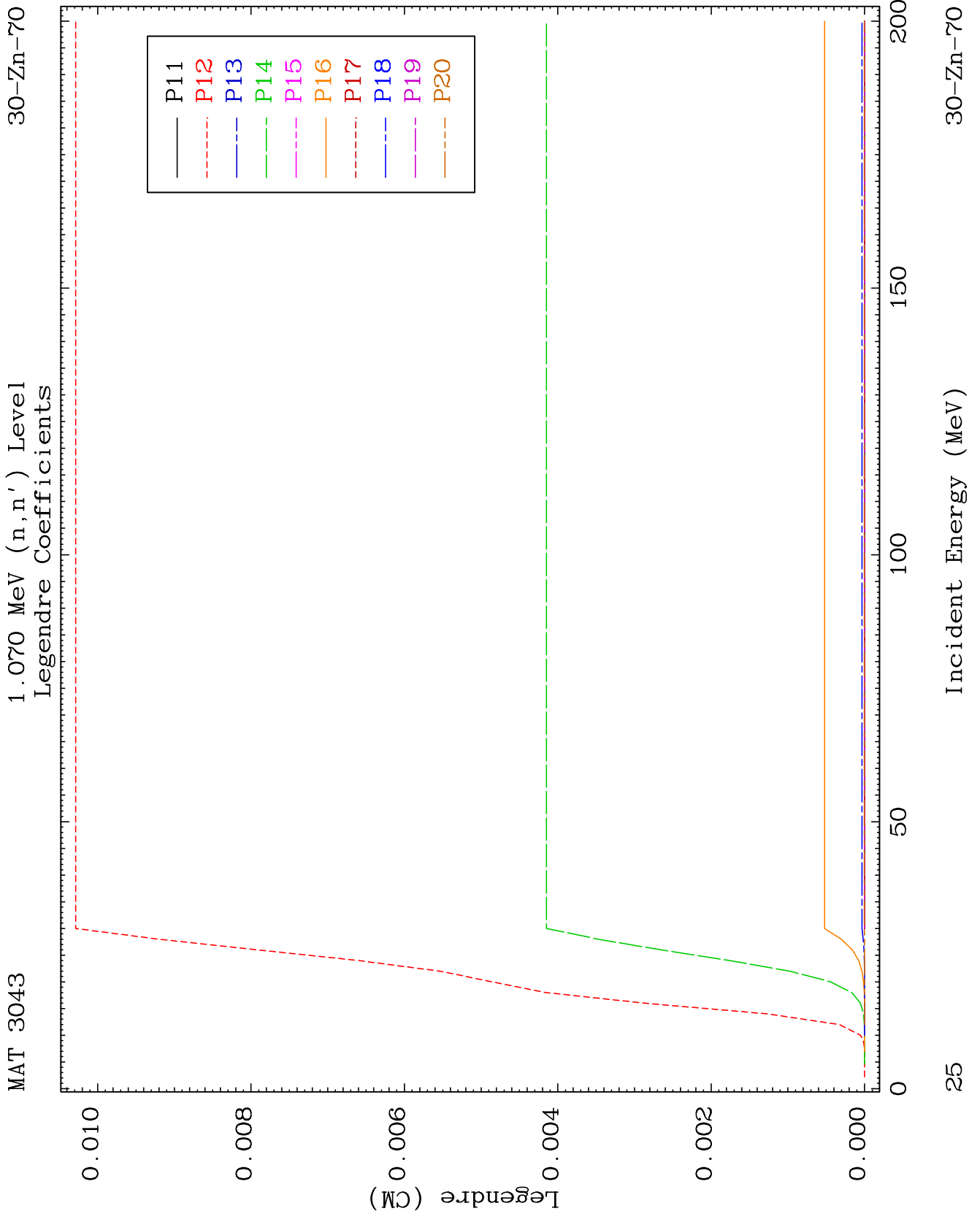
Incident Energy (MeV)

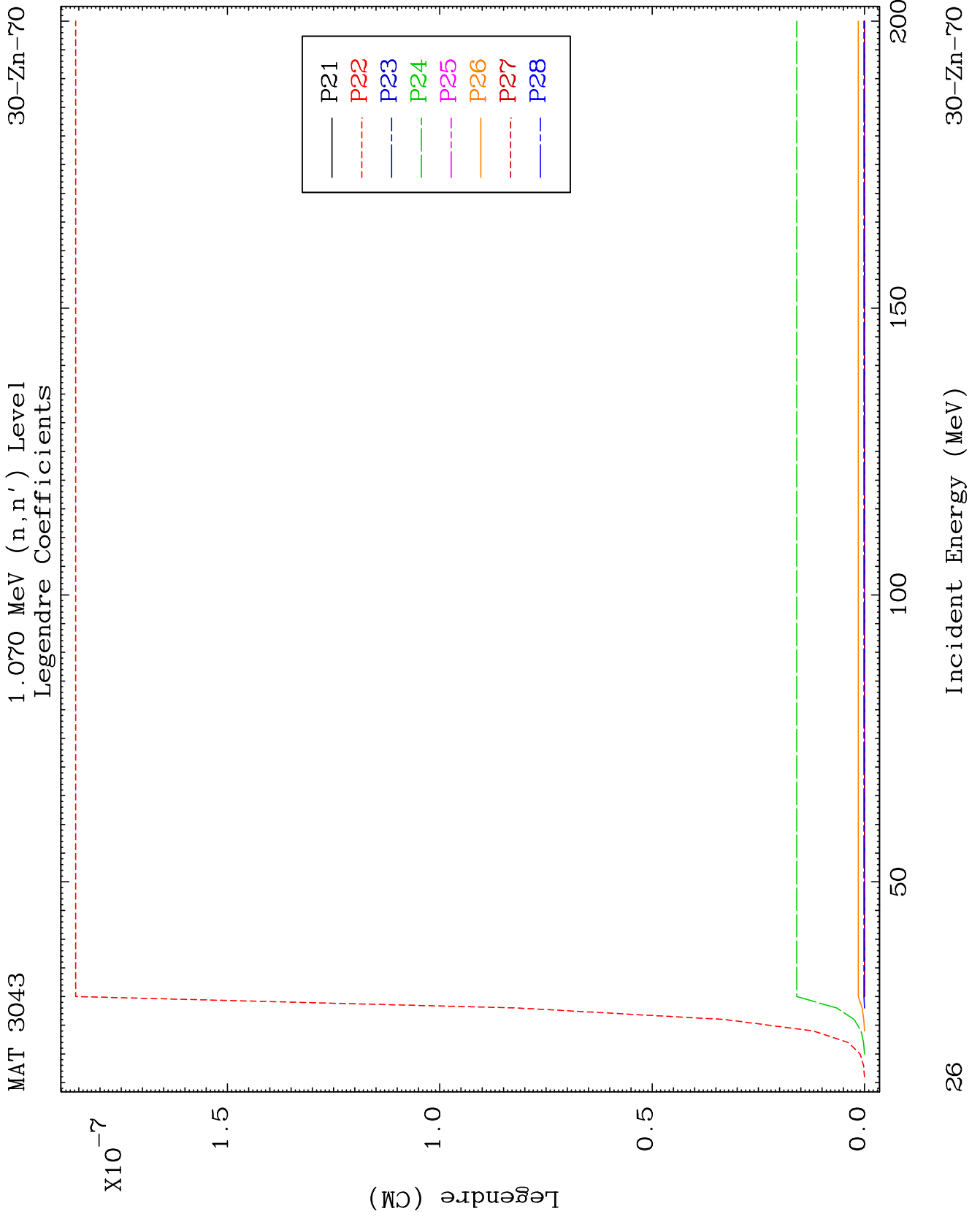
30-Zn-70

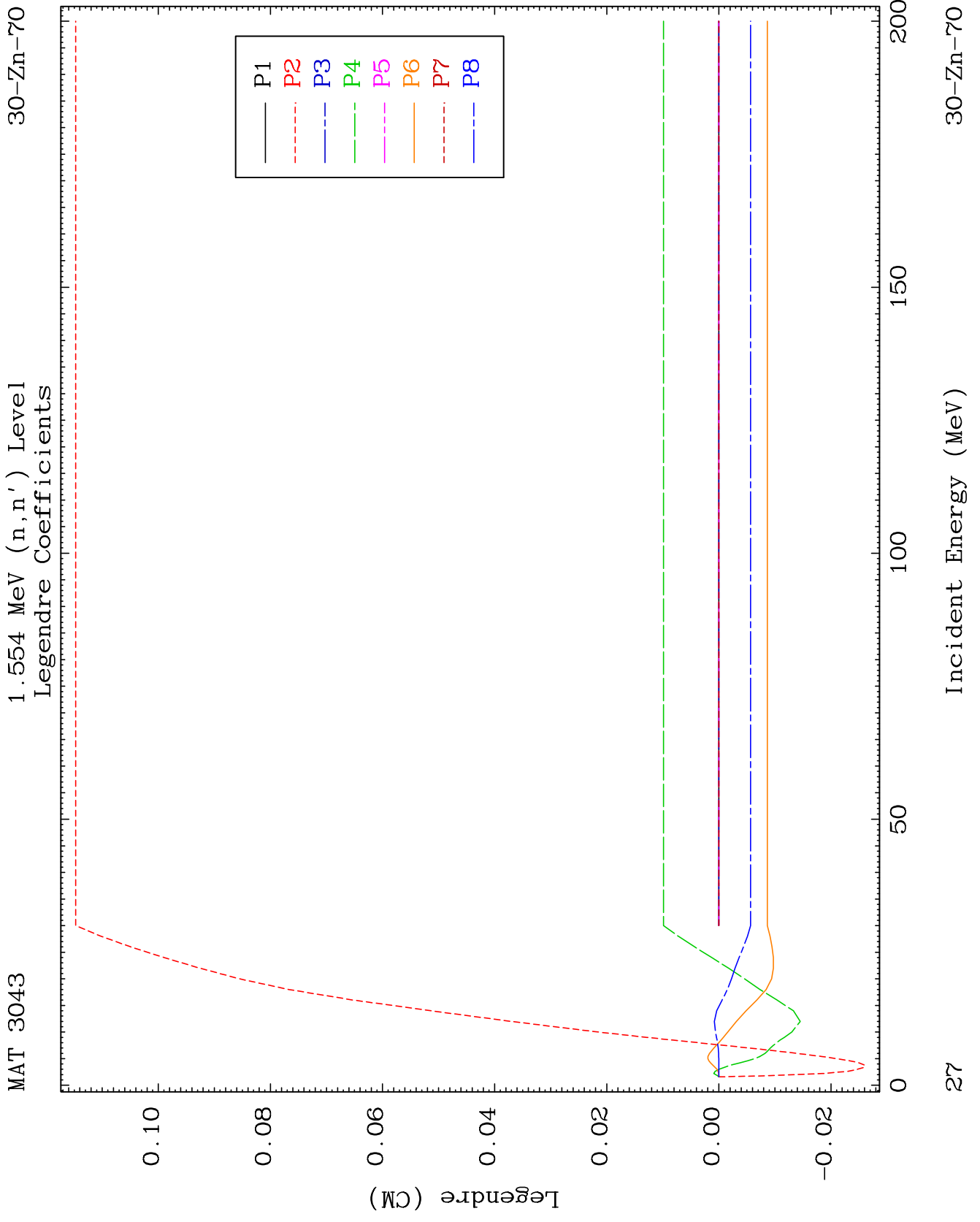


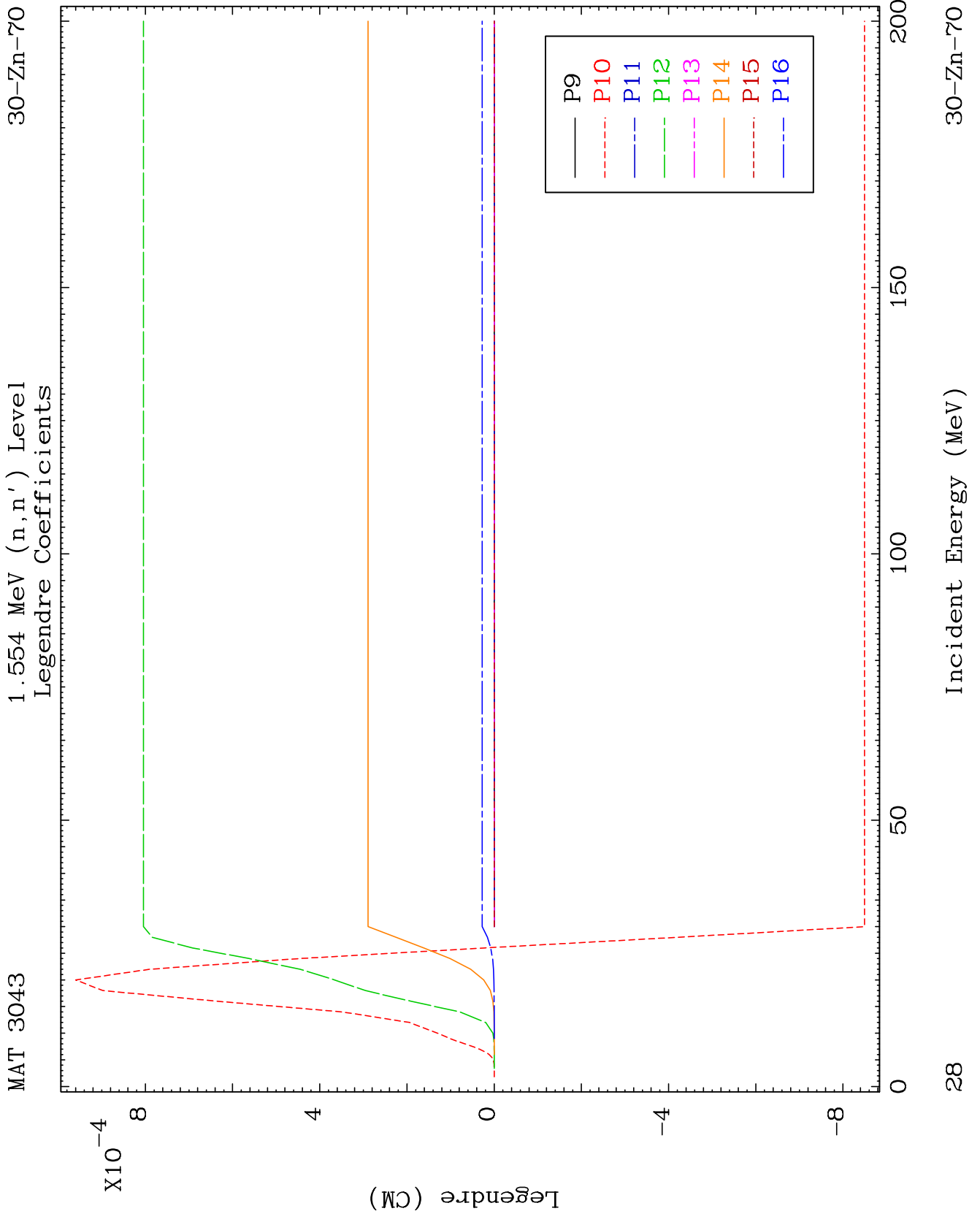




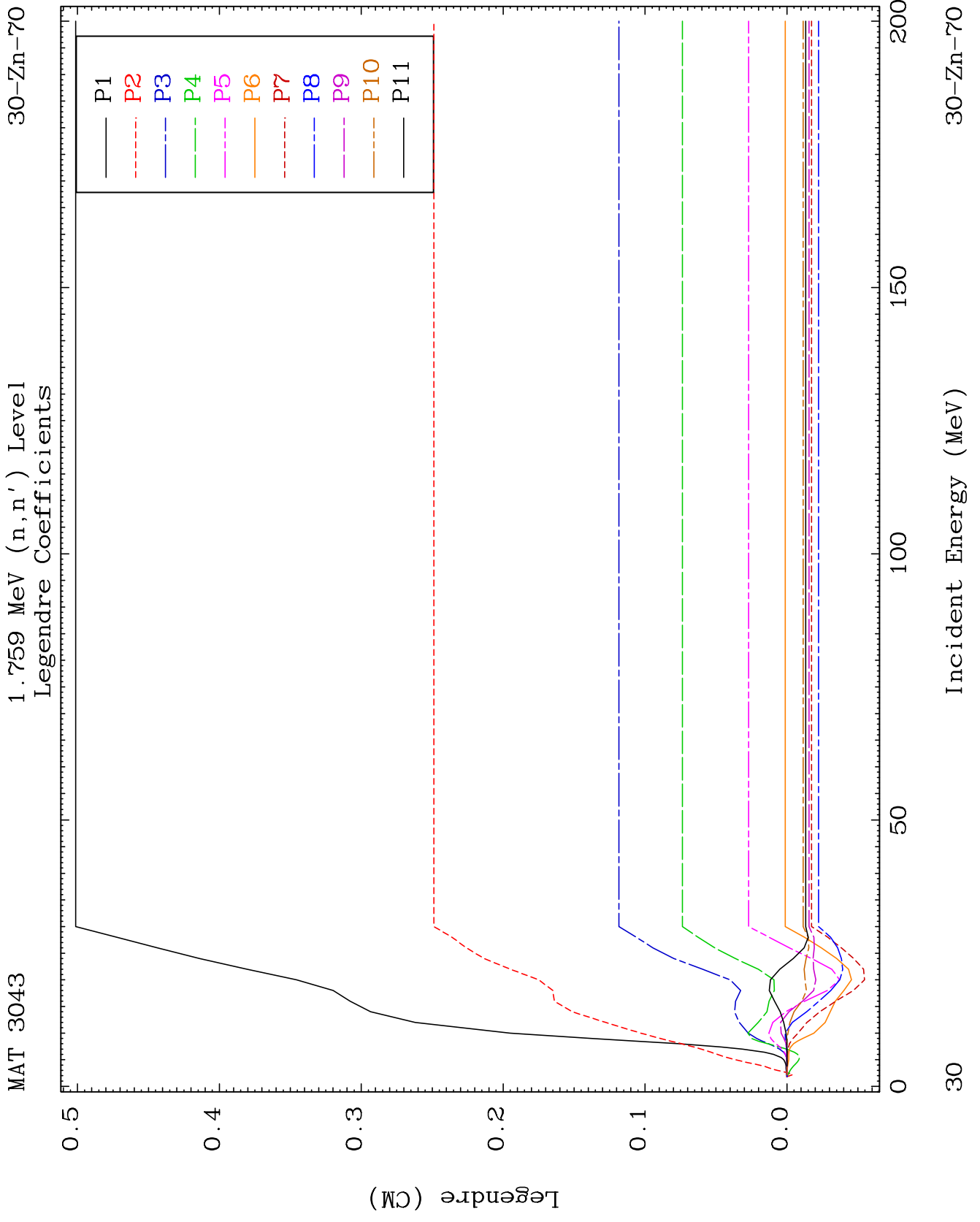


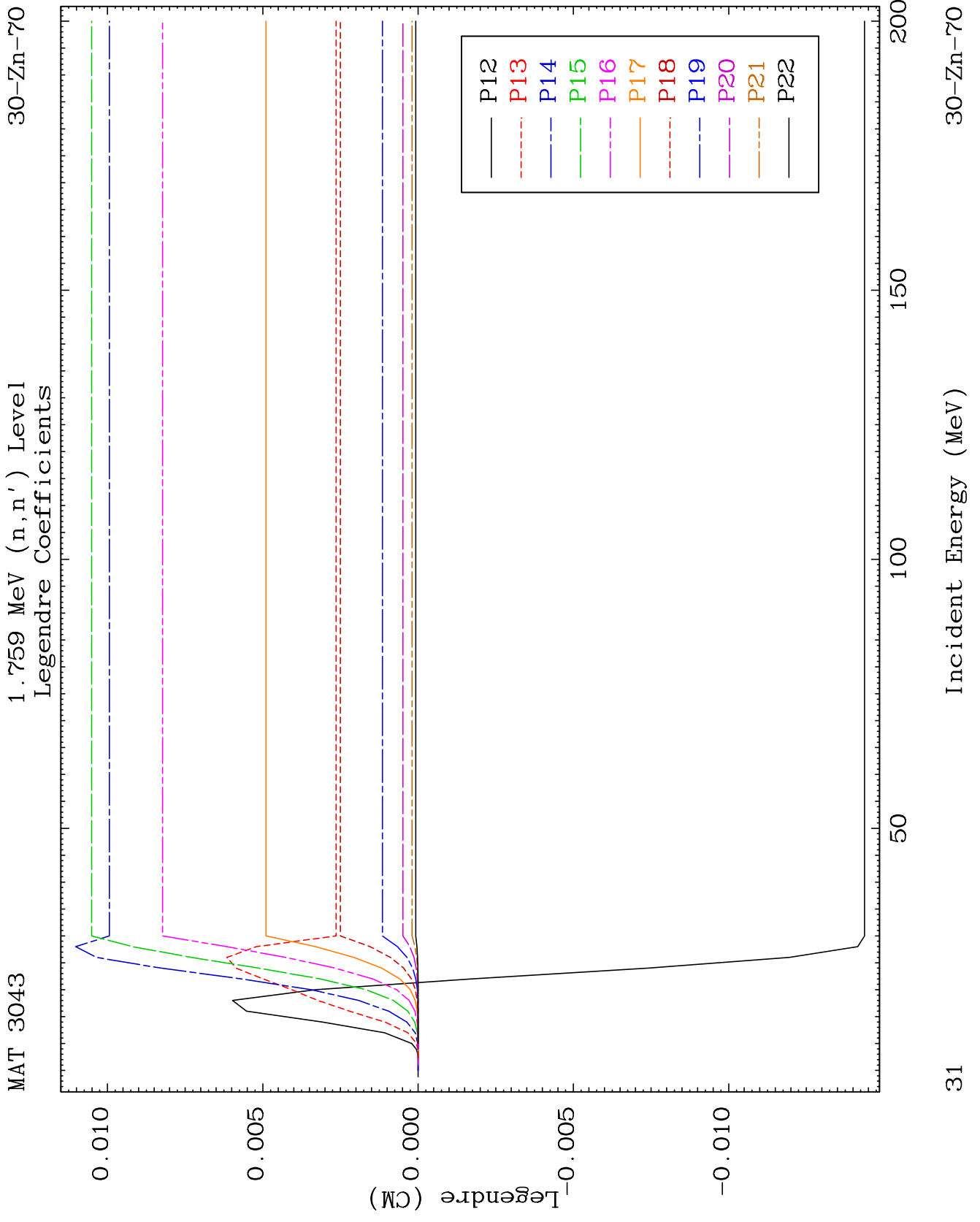




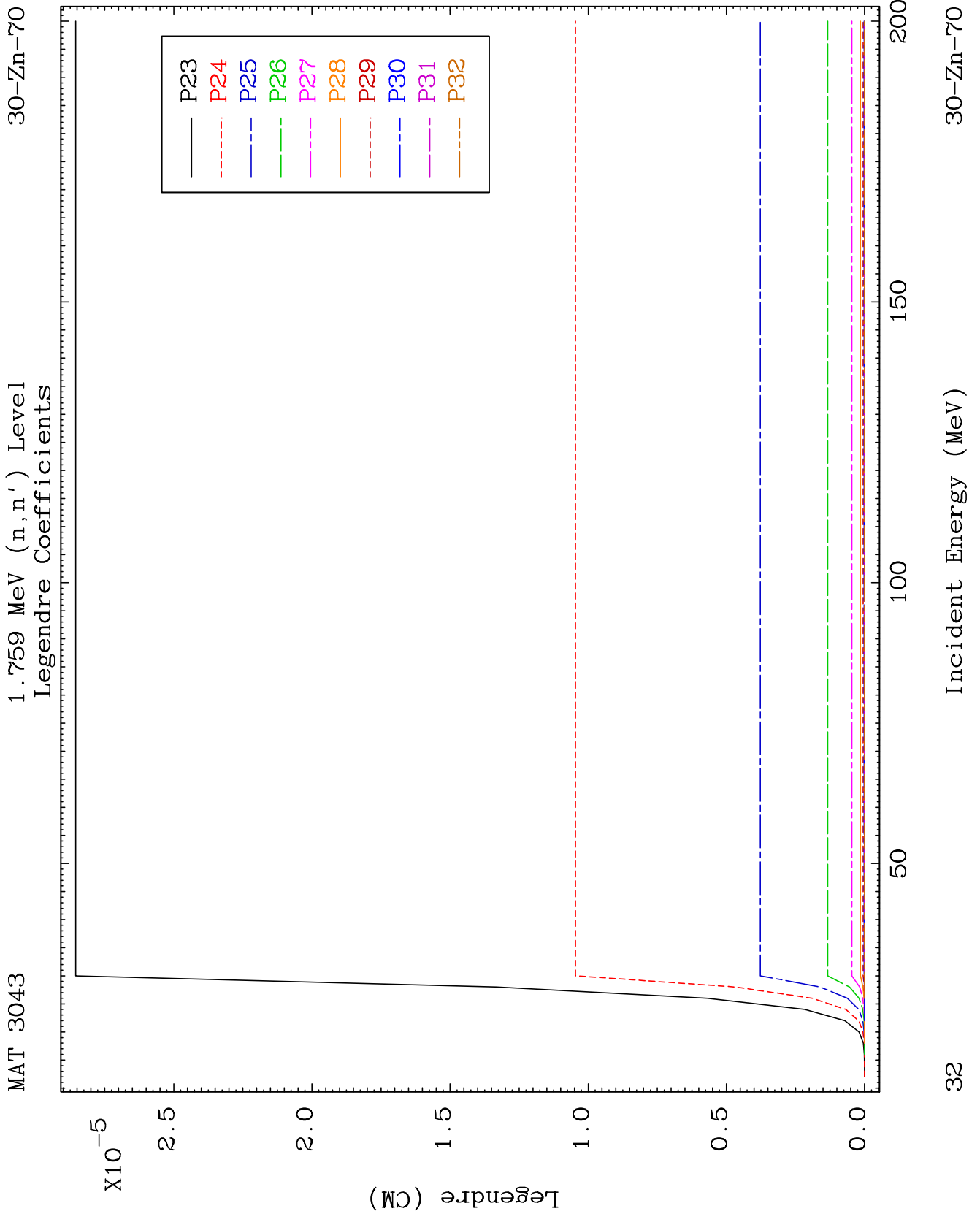


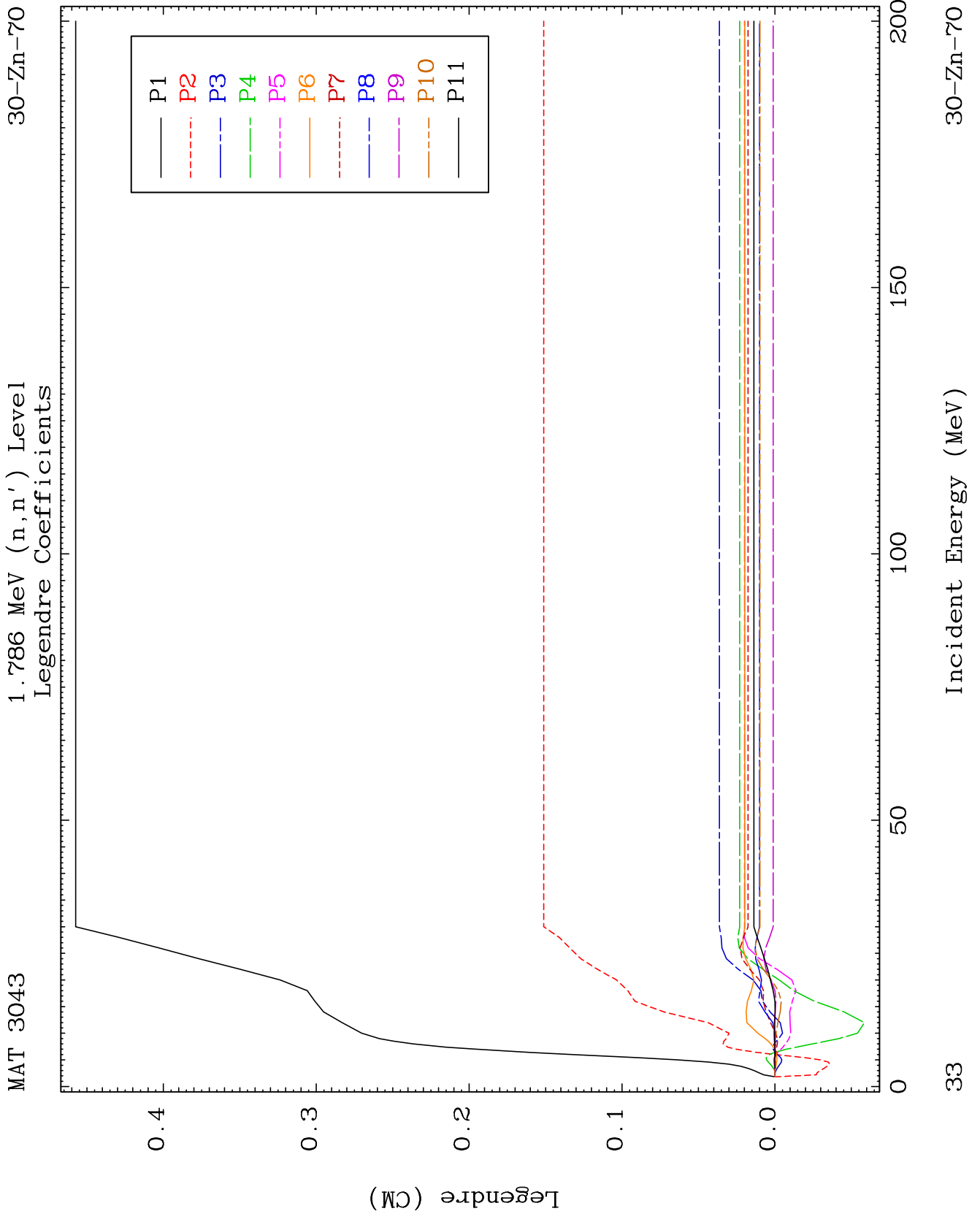








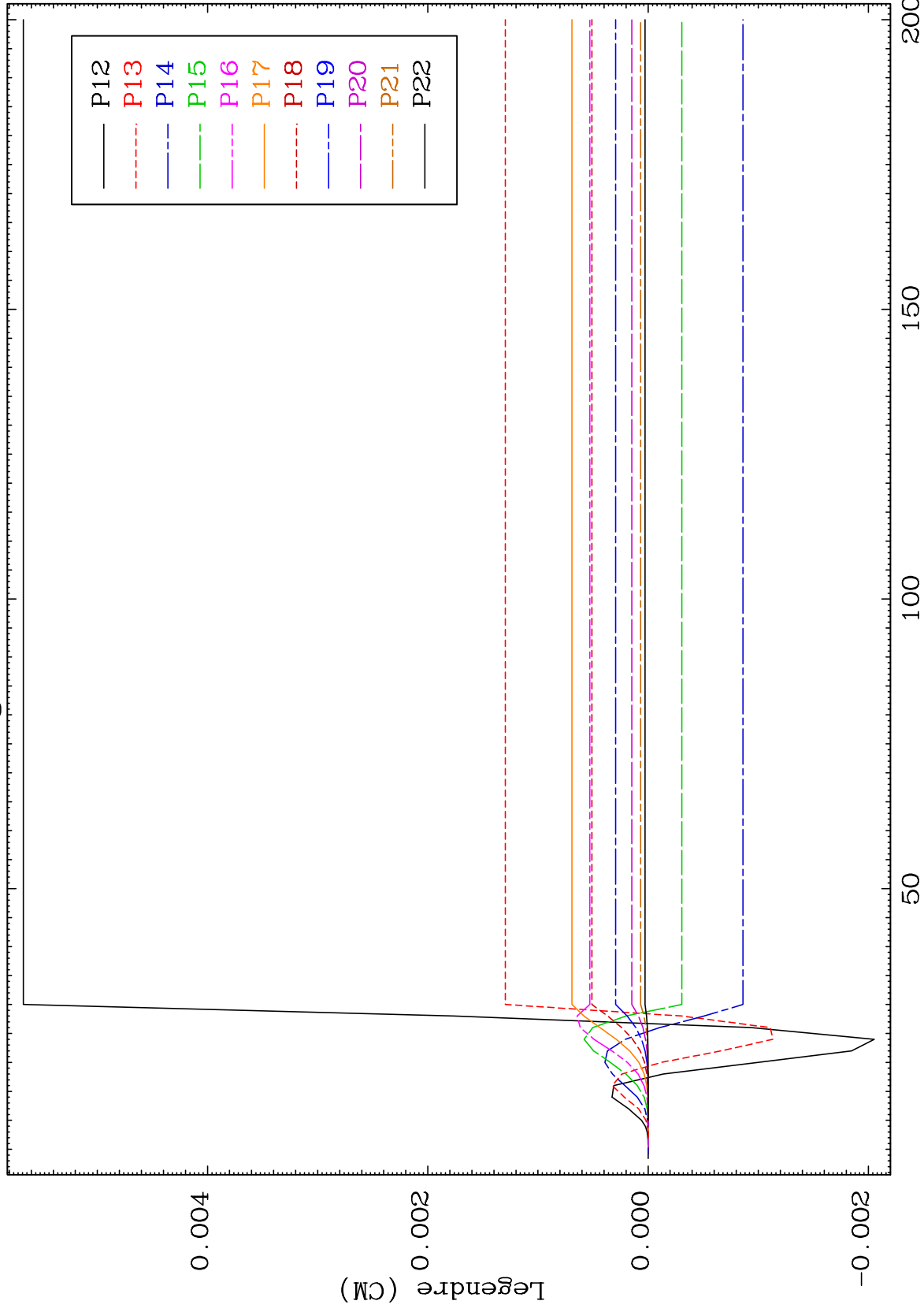




MAT 3043

1.786 MeV (n,n') Level  
Legendre Coefficients

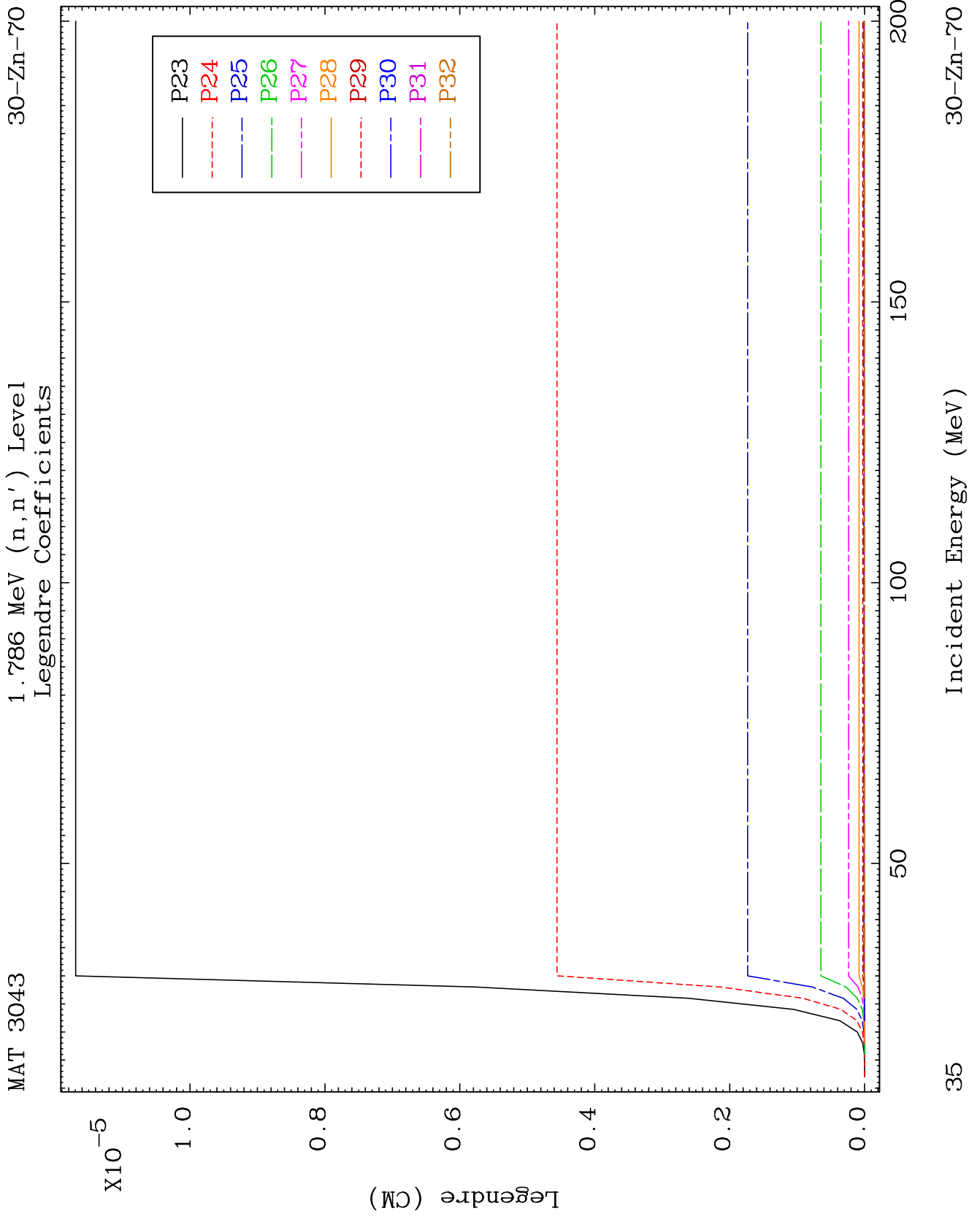
30-Zn-70

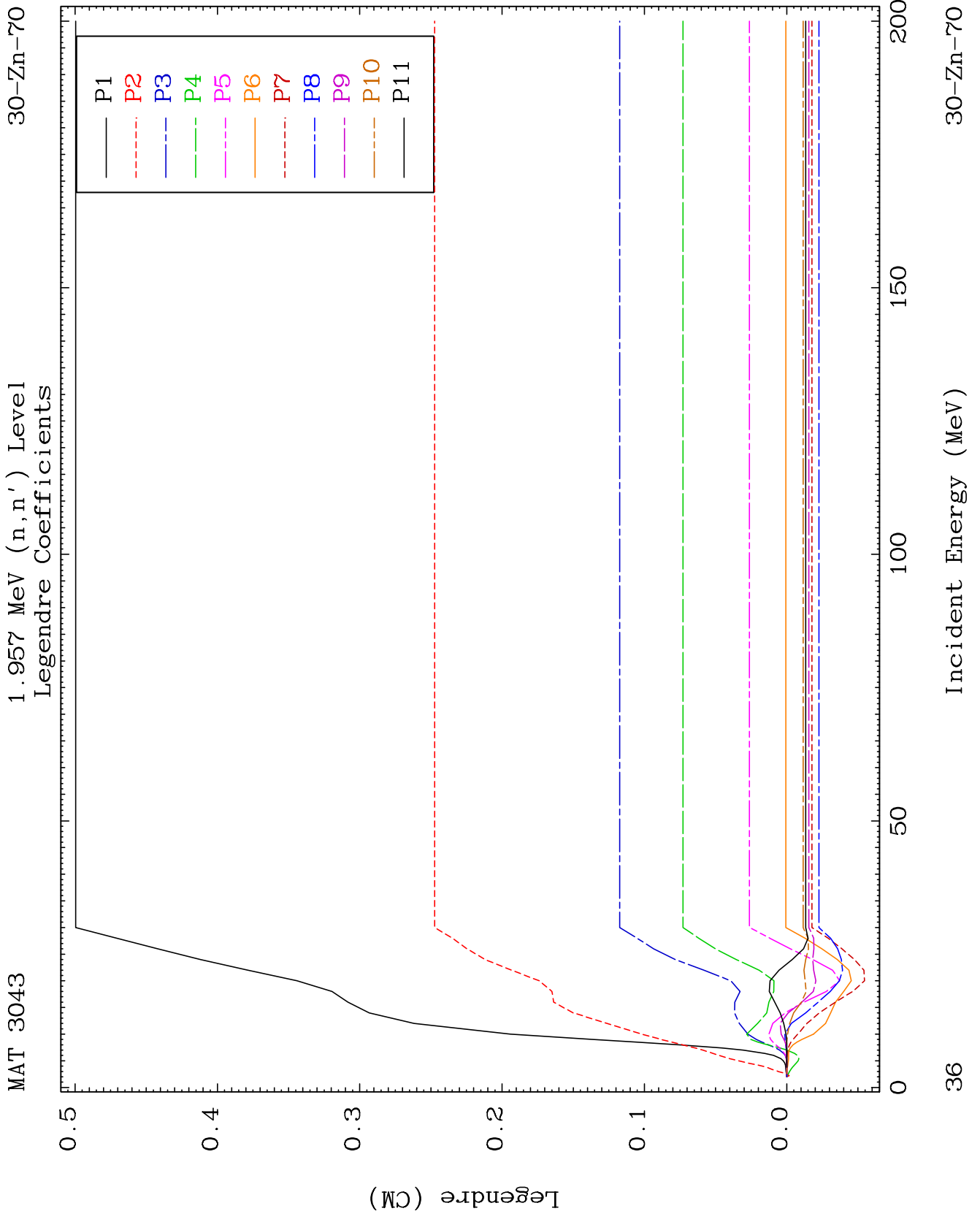


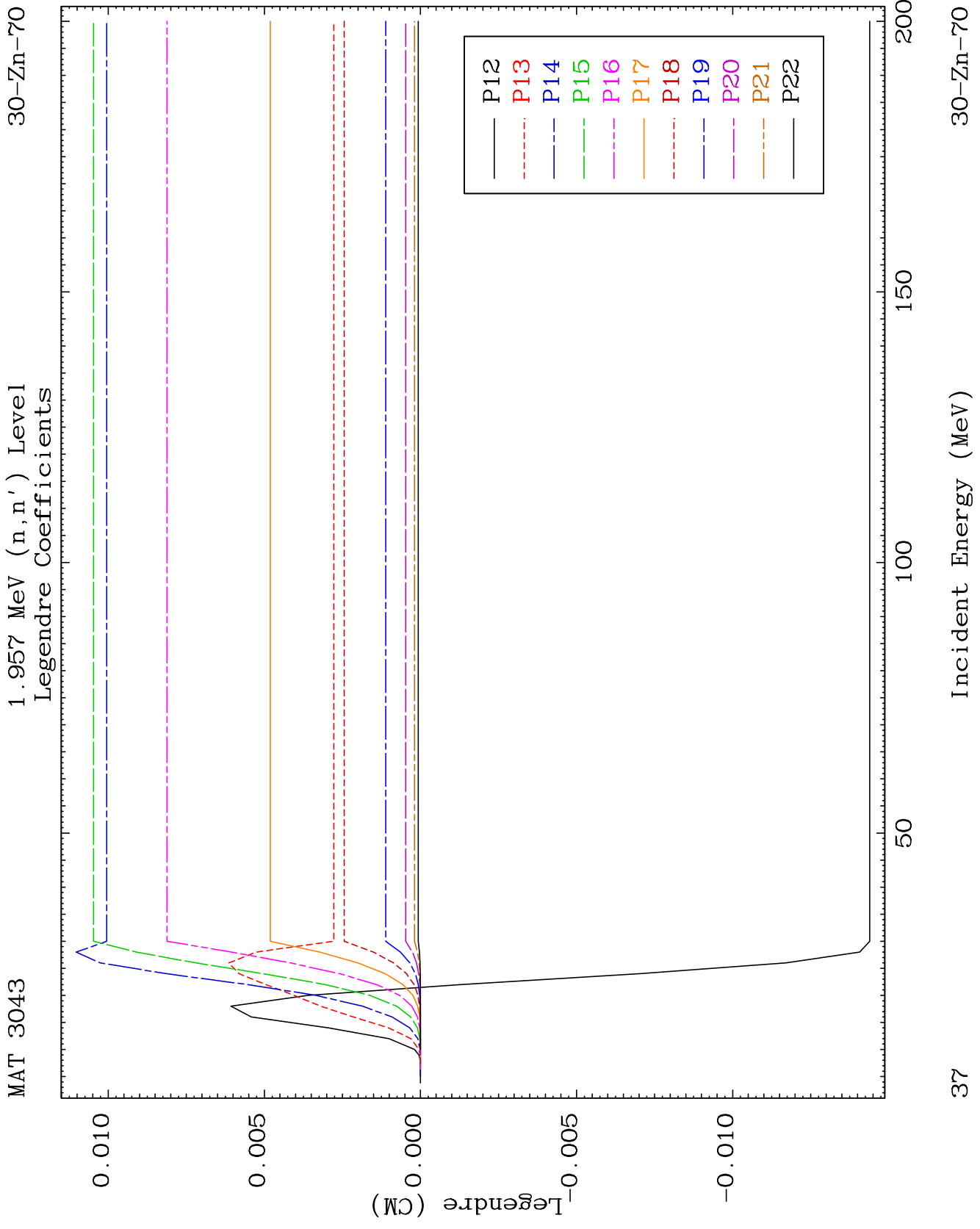
34

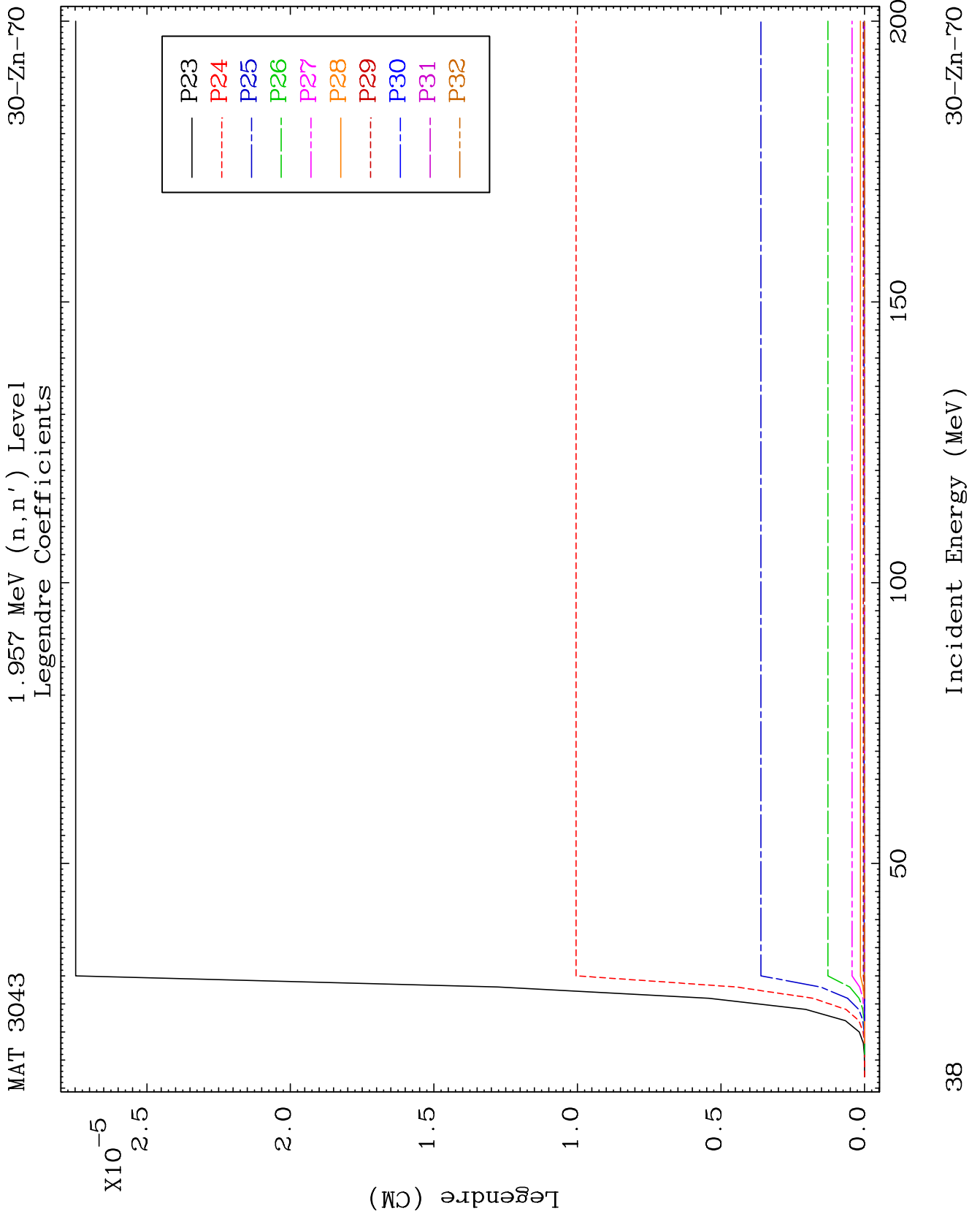
Incident Energy (MeV)

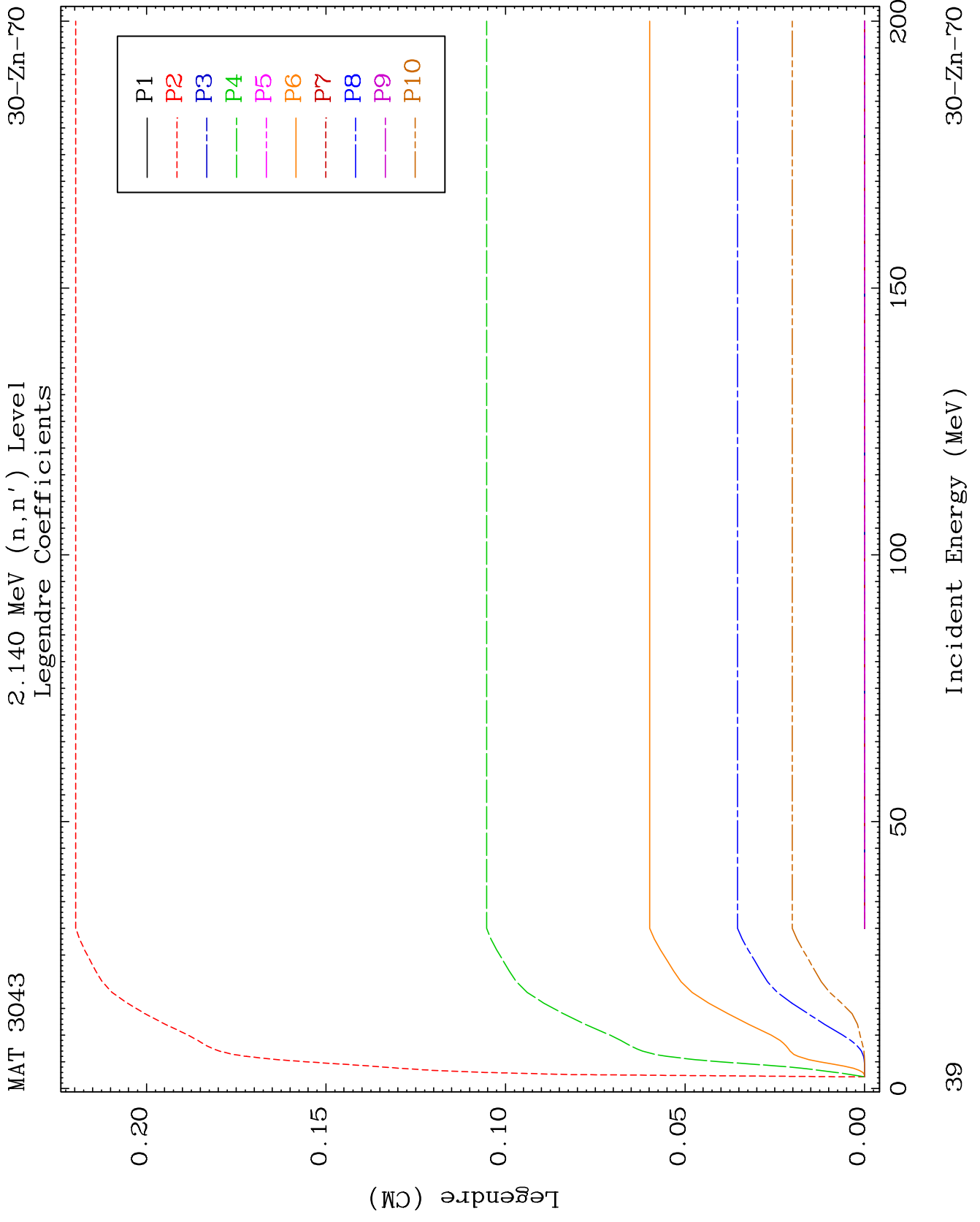
30-Zn-70



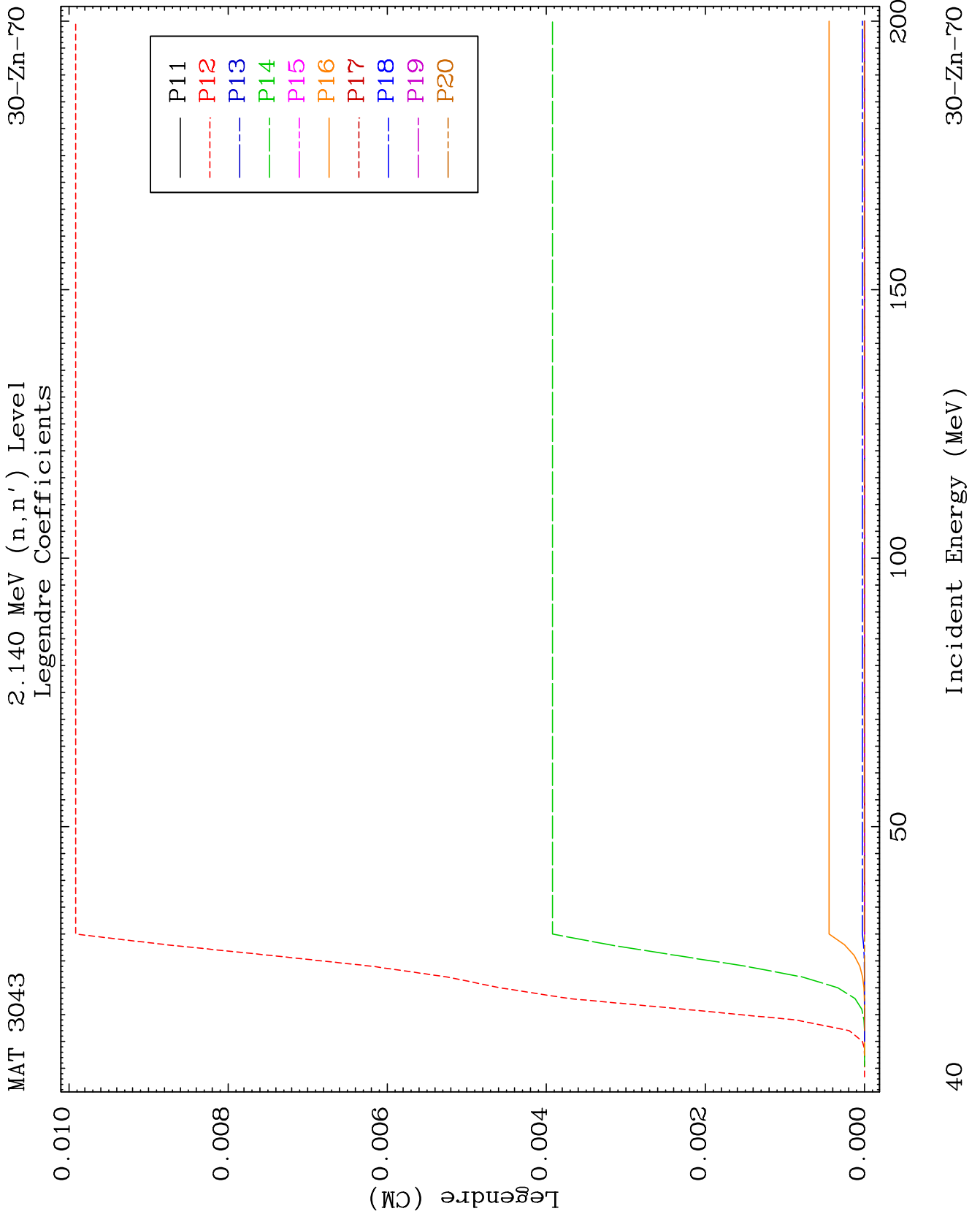


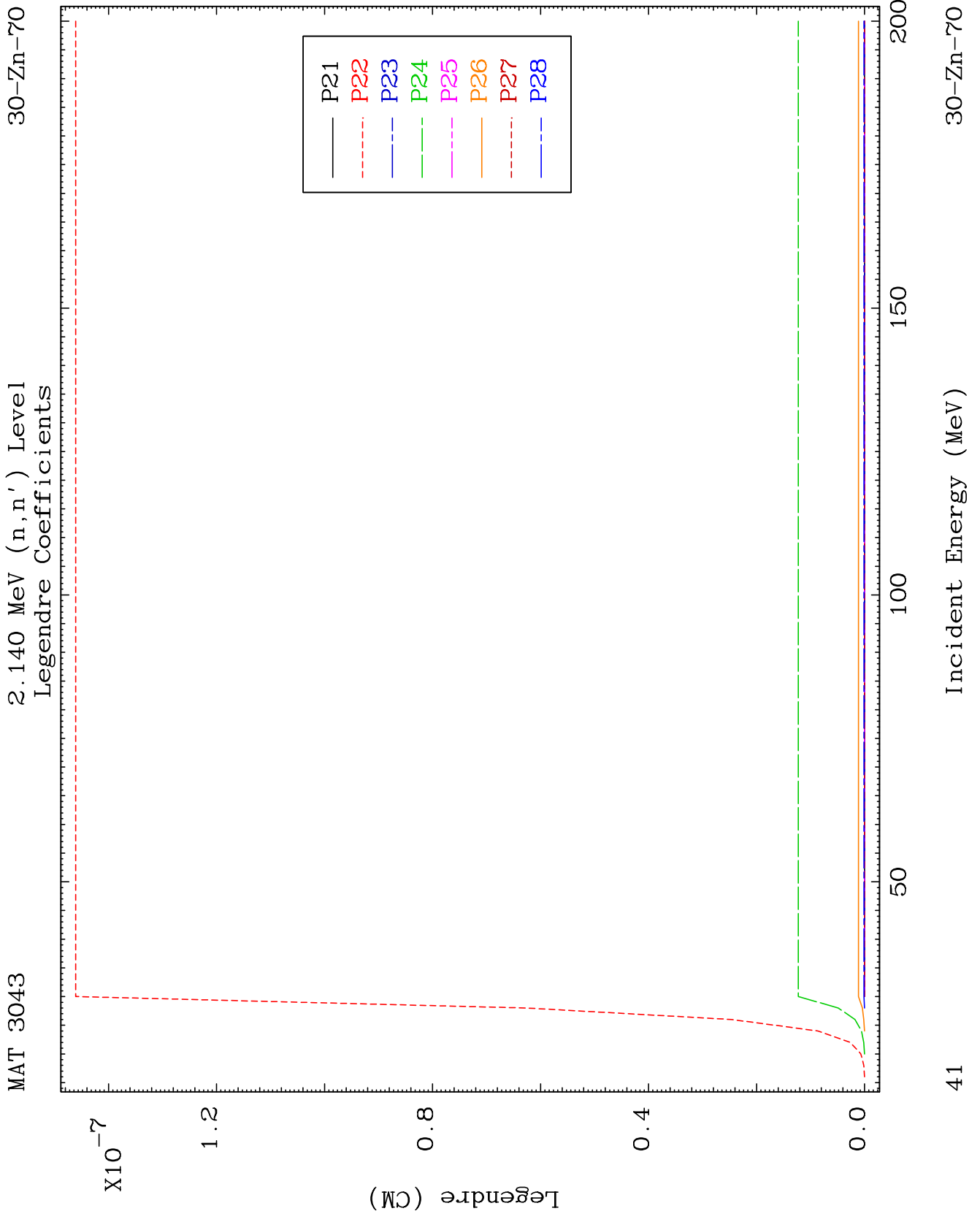


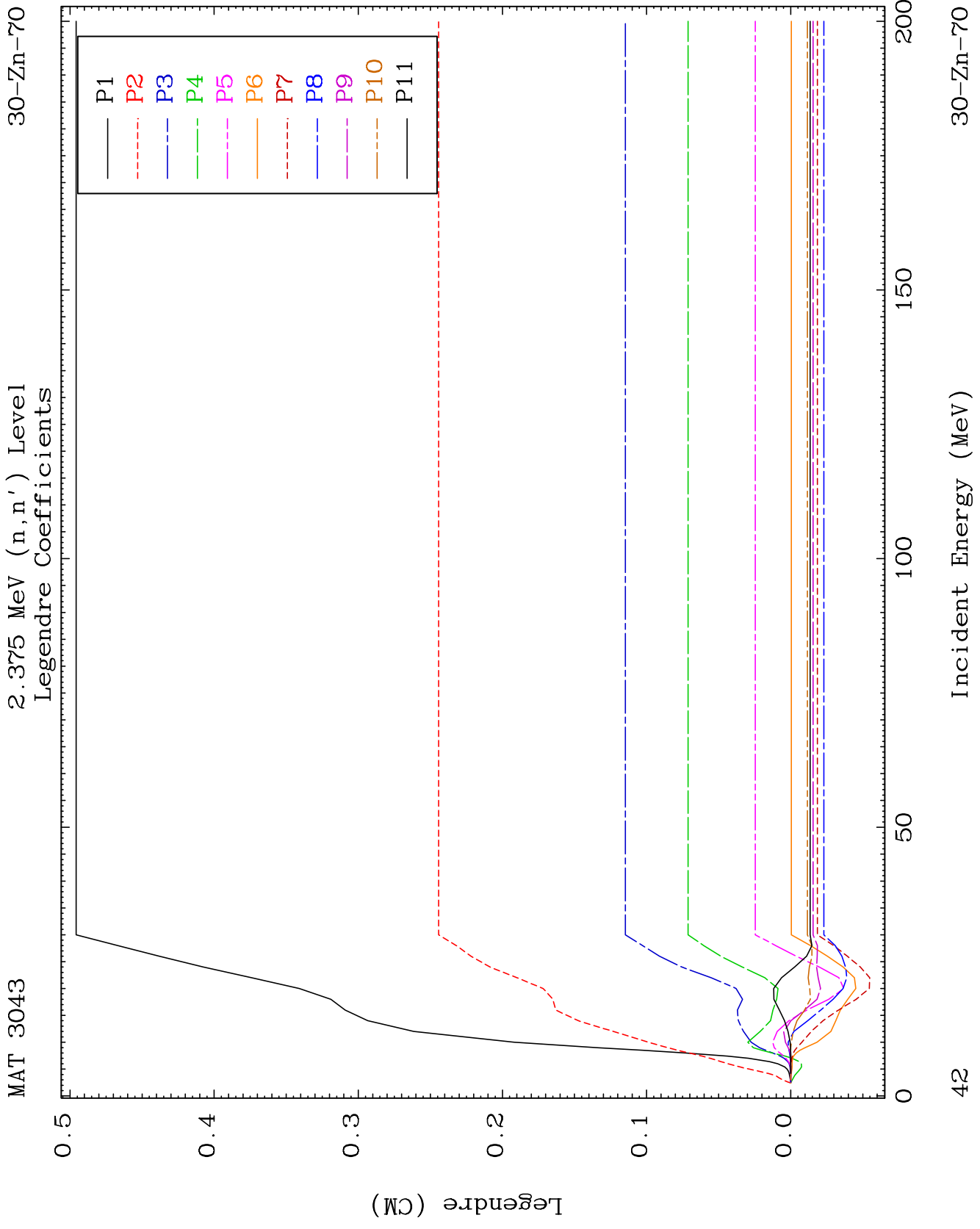


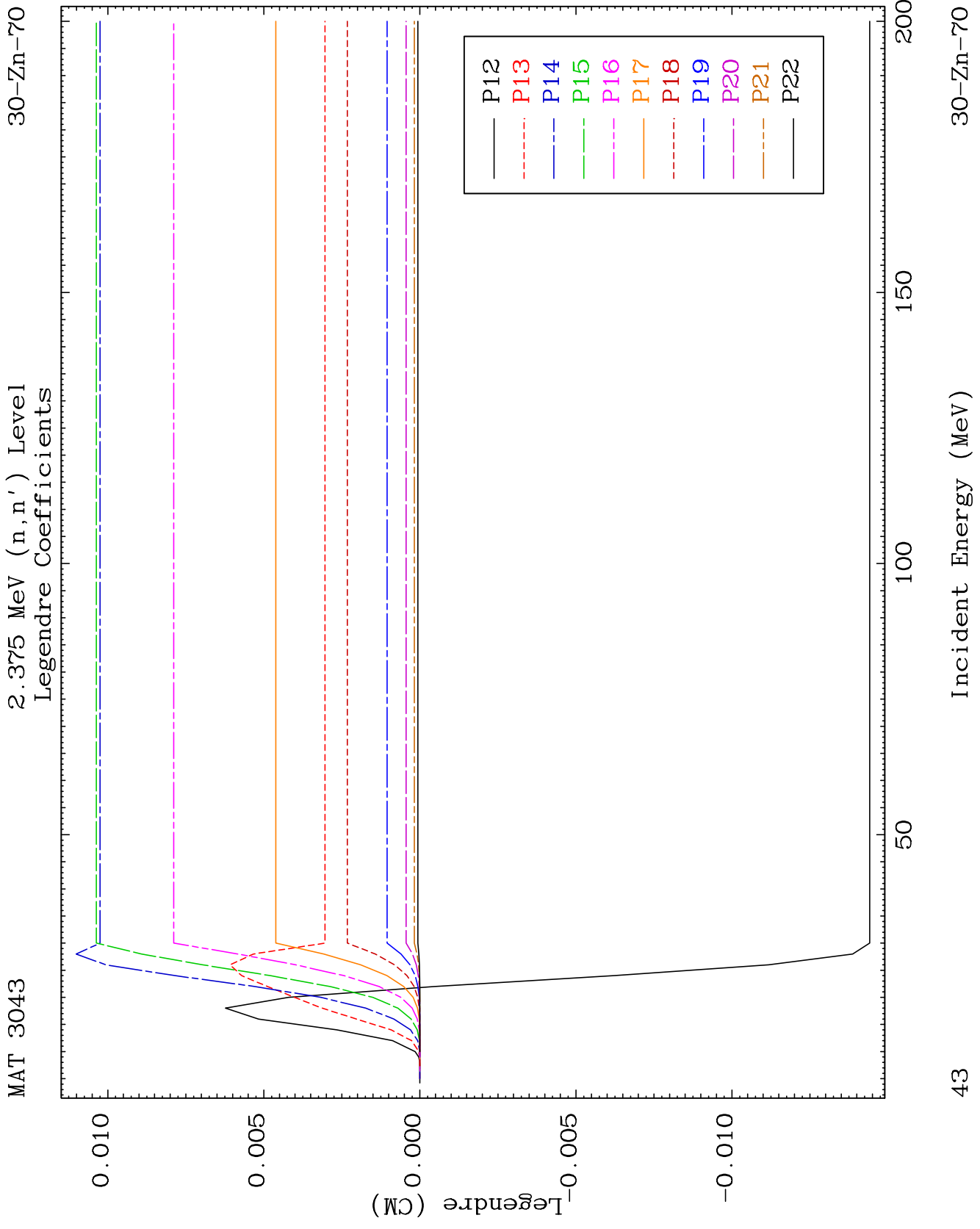


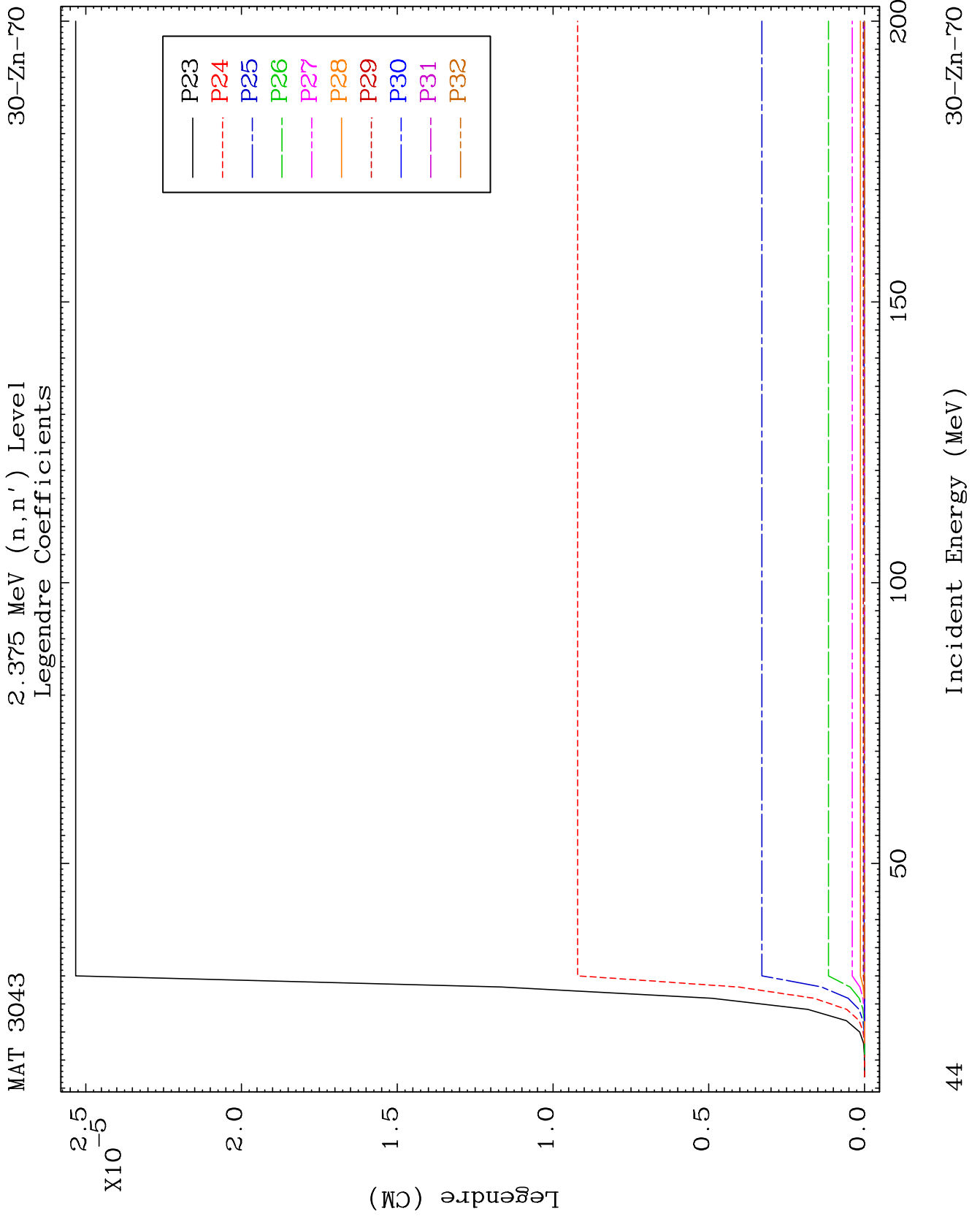


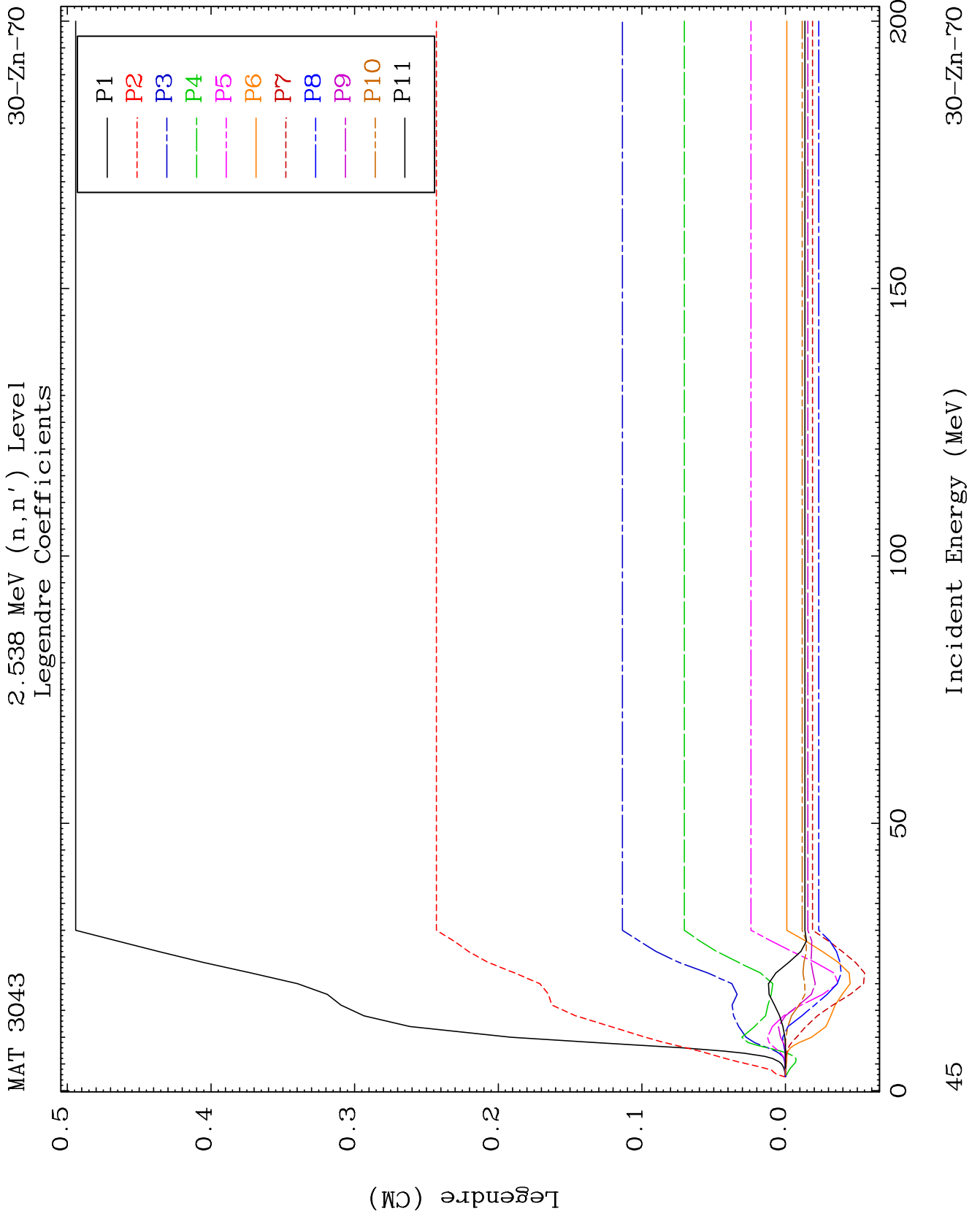


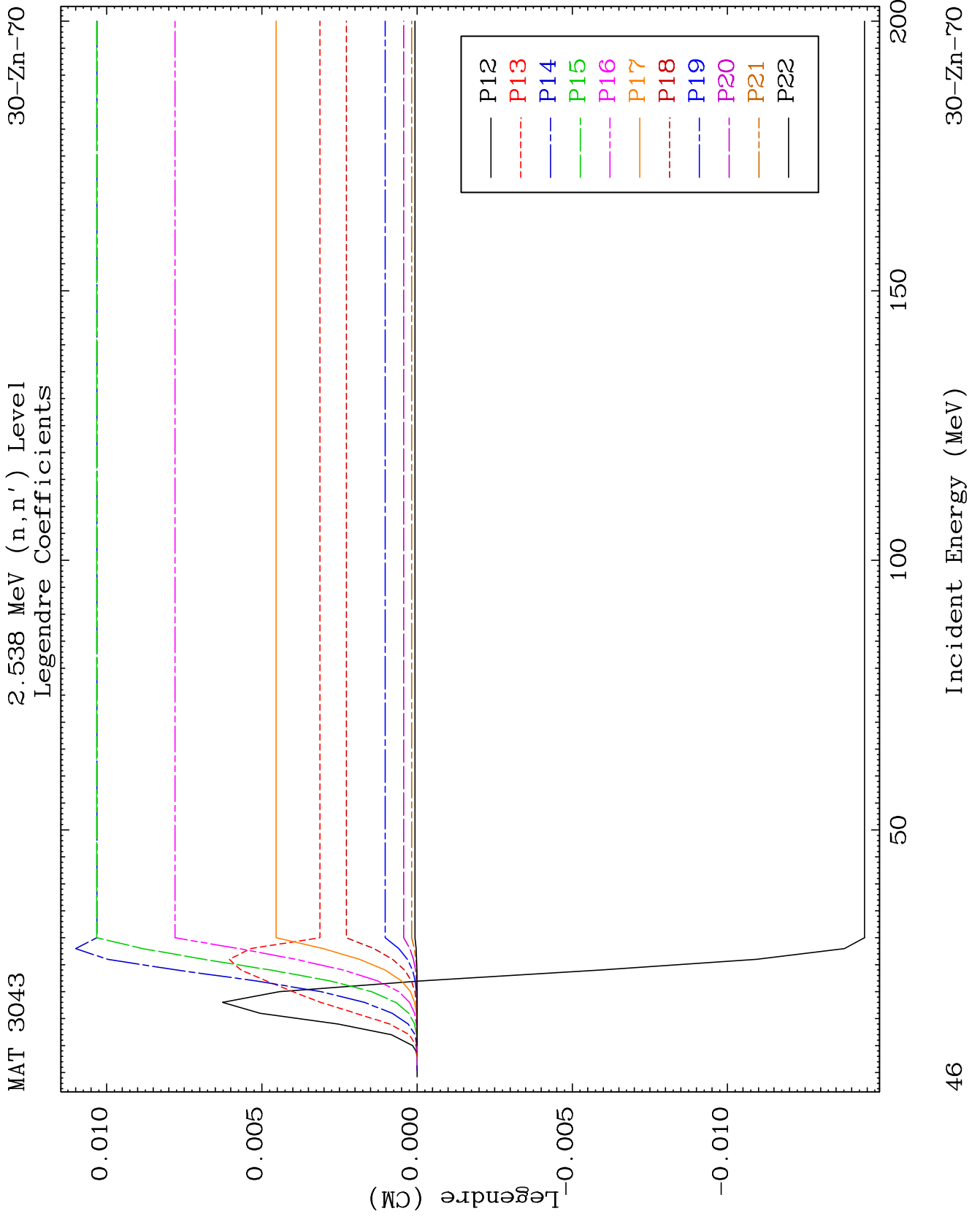


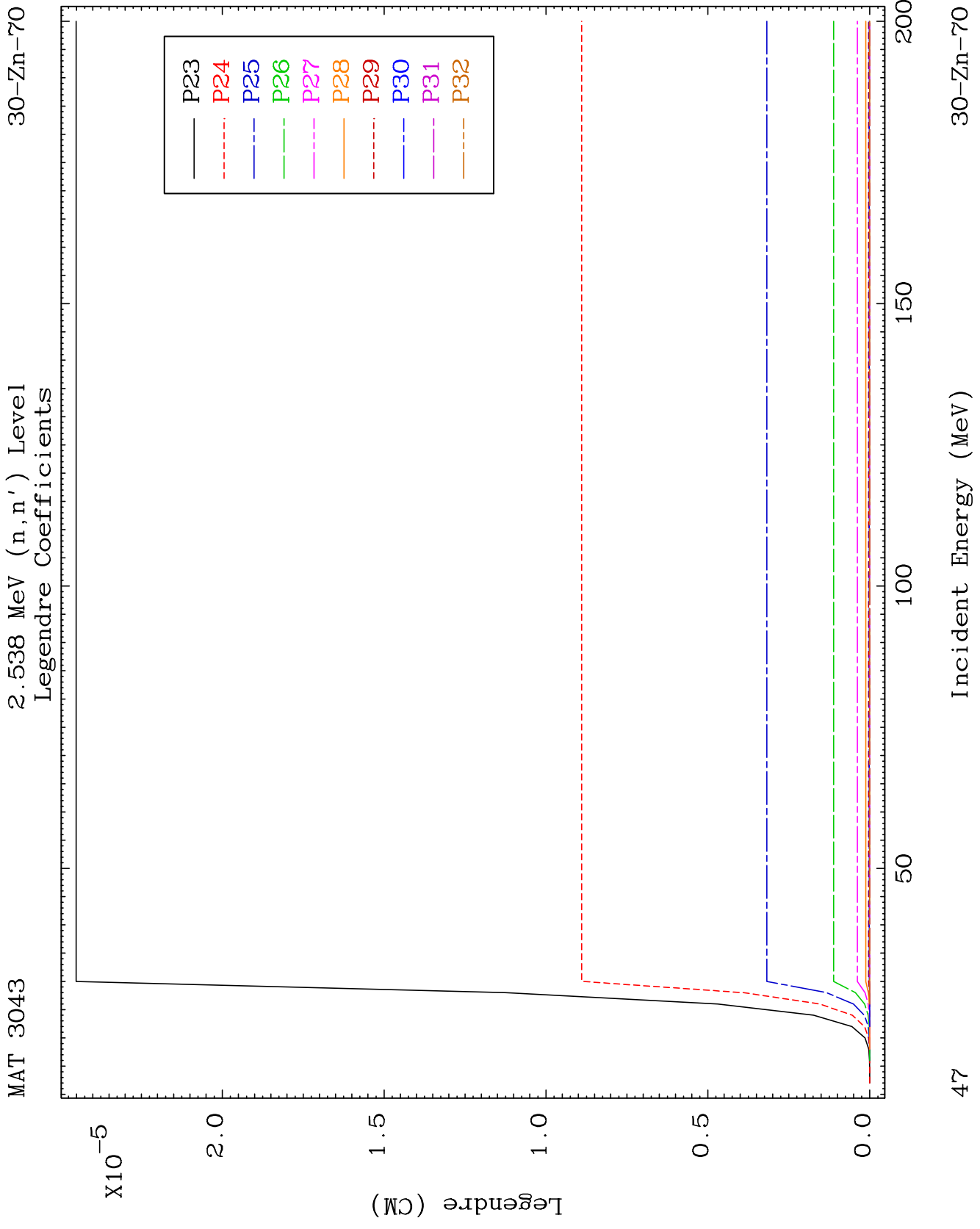




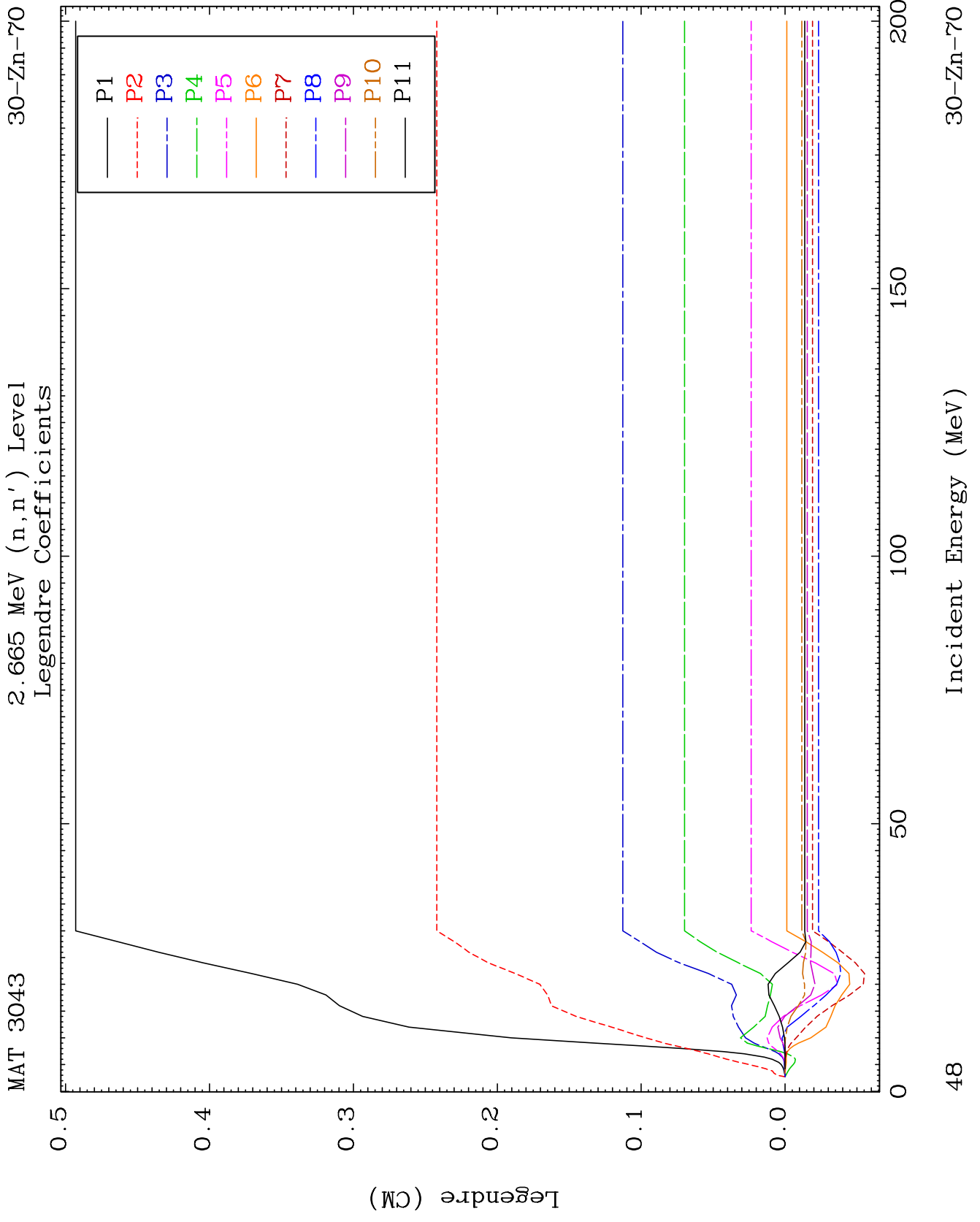


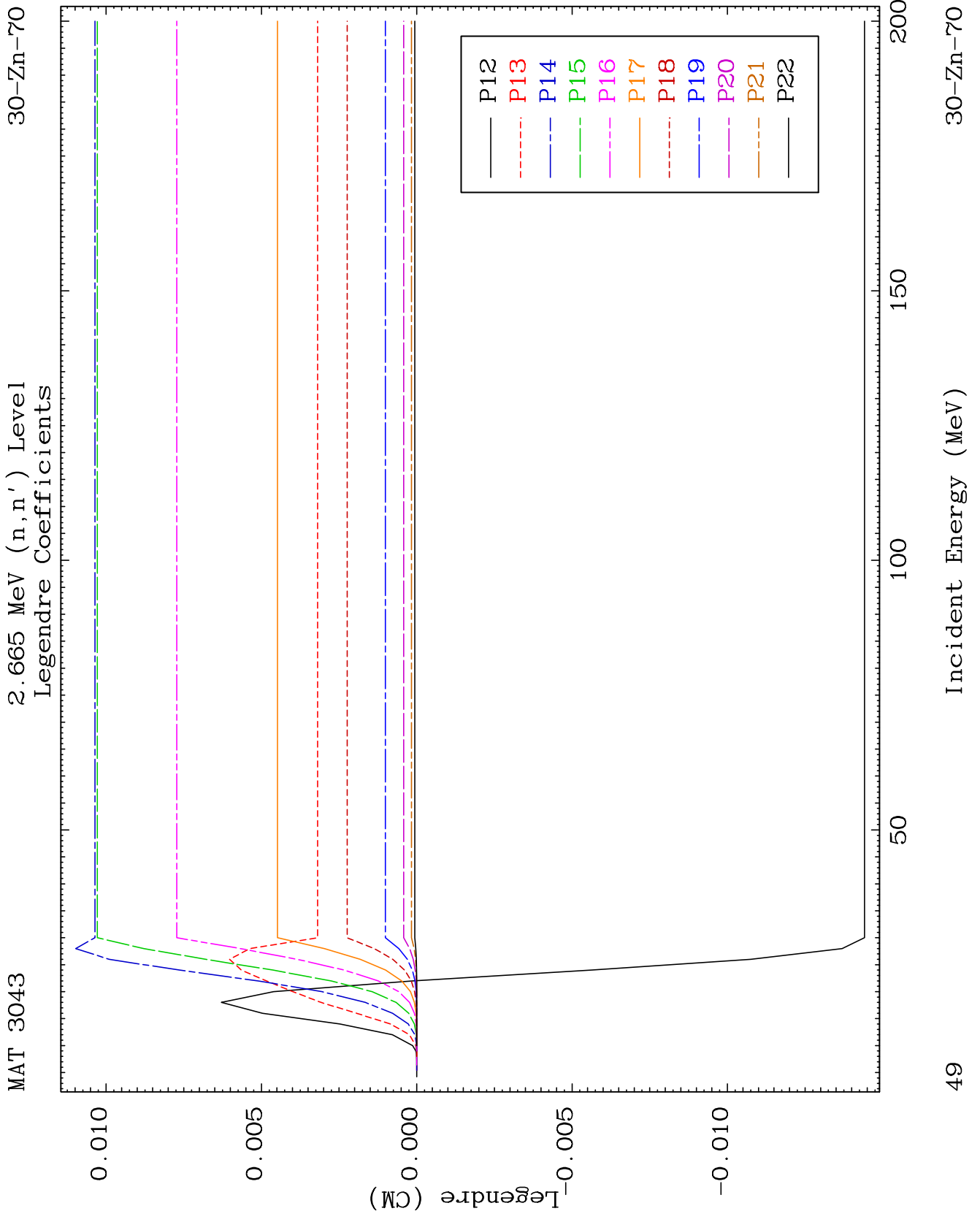


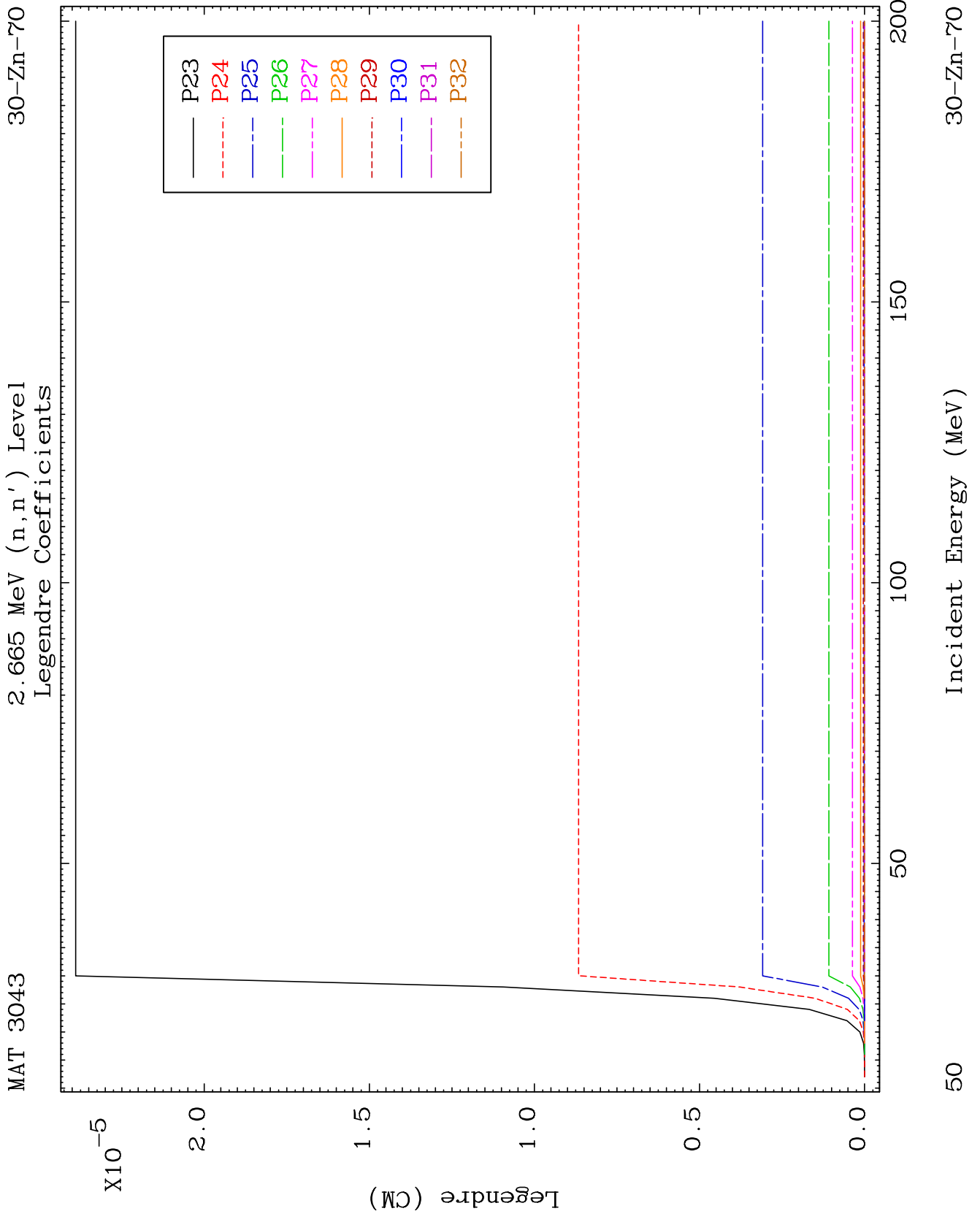








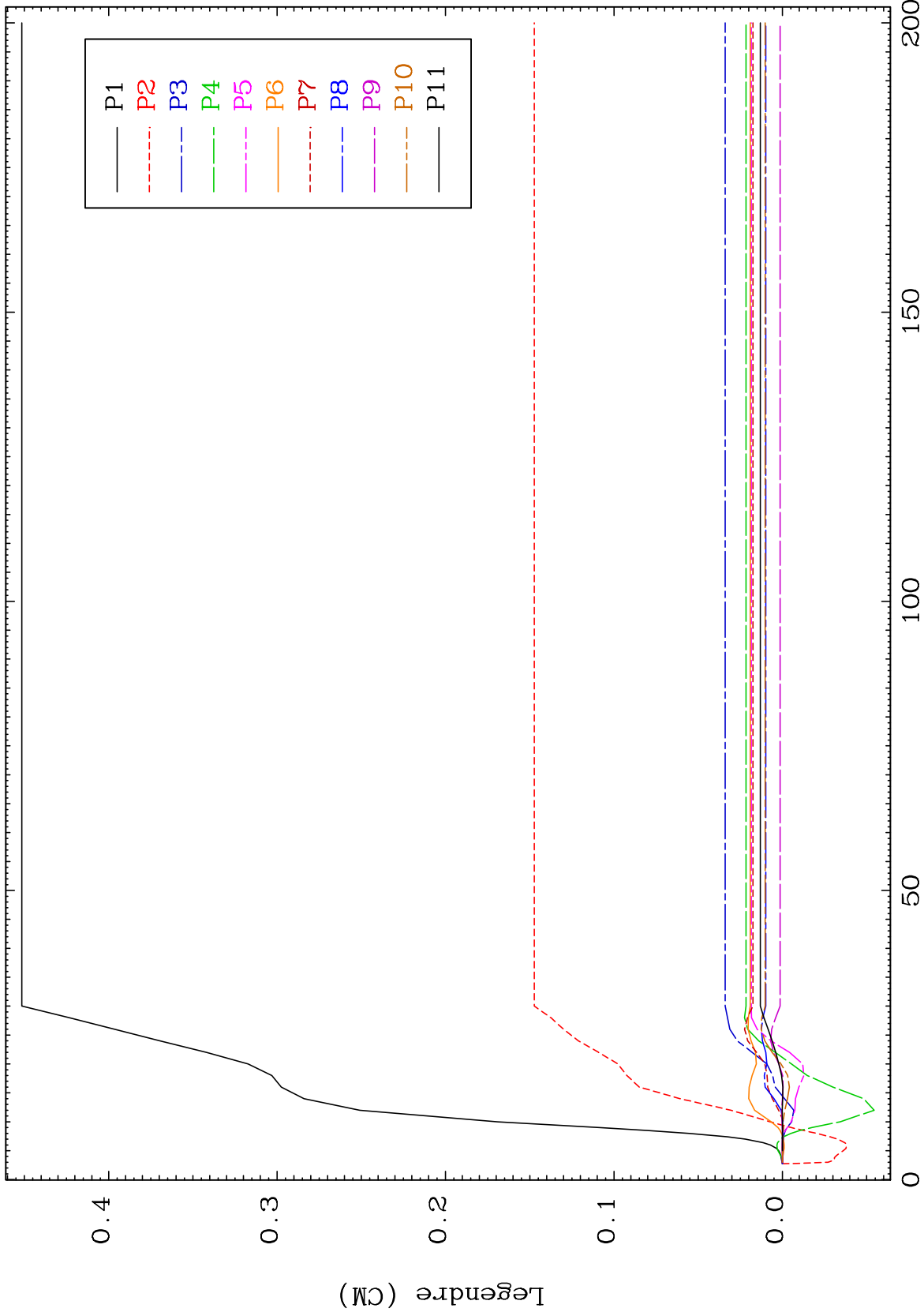




MAT 3043

2.693 MeV (n,n') Level  
Legendre Coefficients

30-Zn-70



51

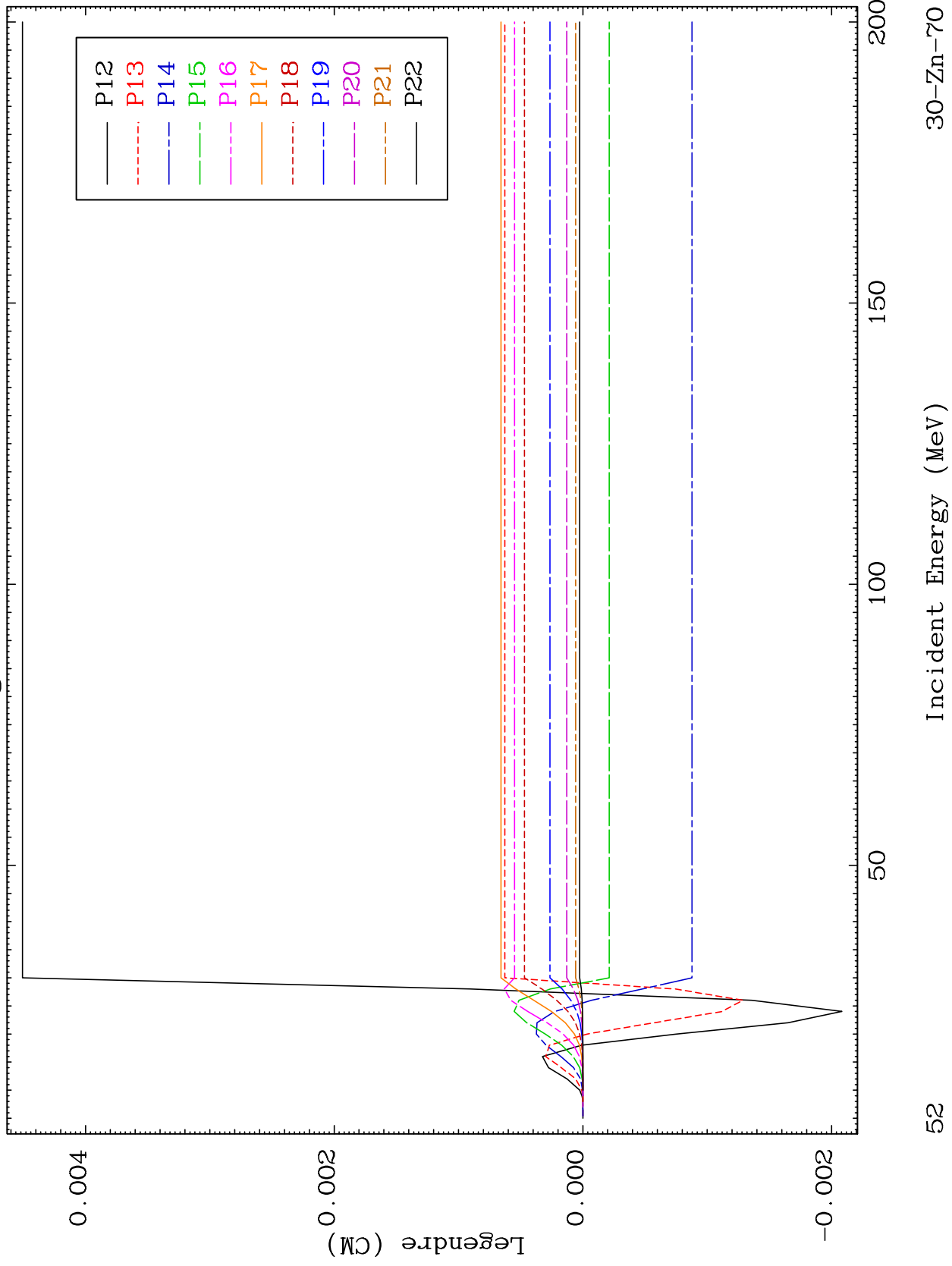
Incident Energy (MeV)

30-Zn-70

MAT 3043

2.693 MeV (n,n') Level  
Legendre Coefficients

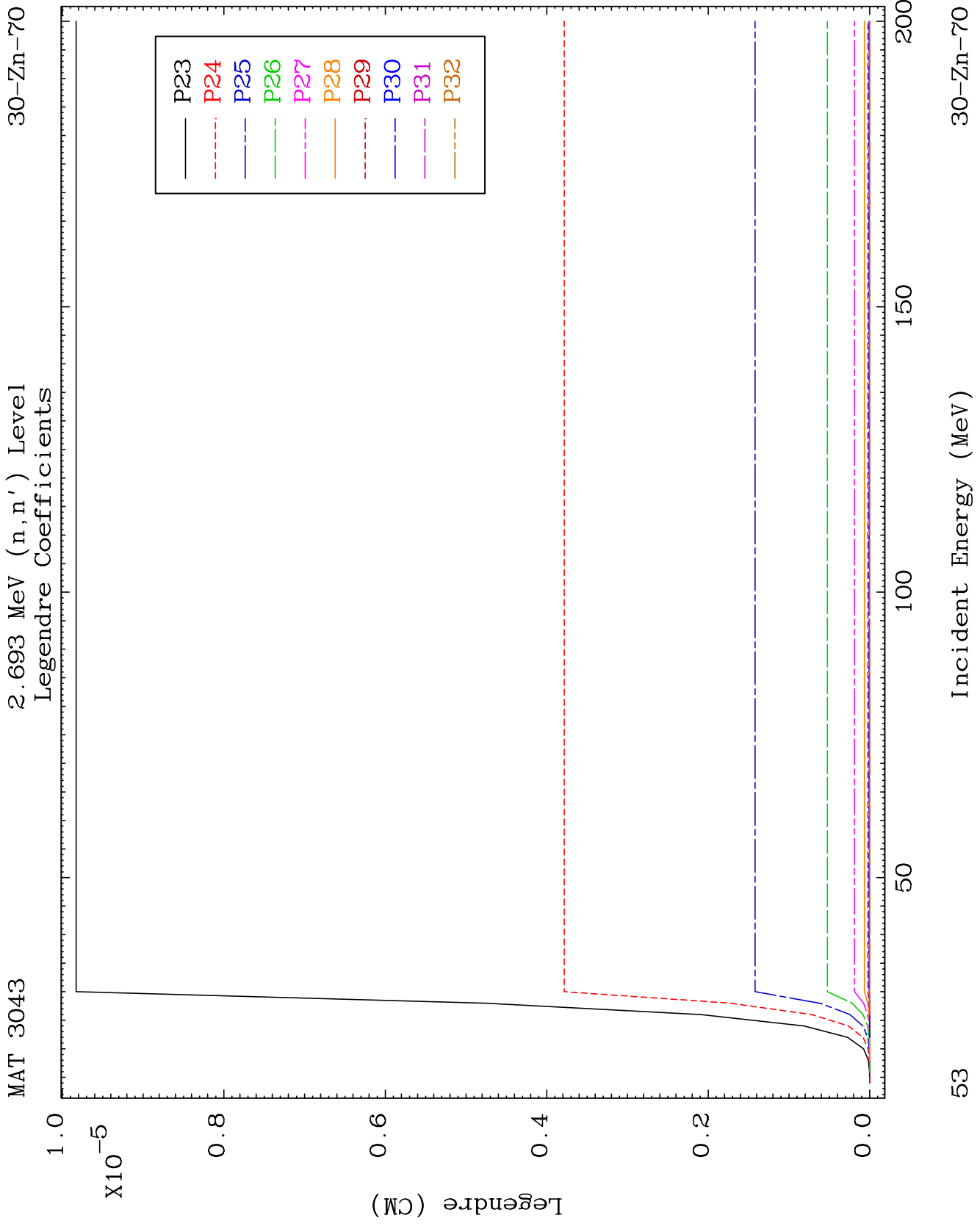
30-Zn-70

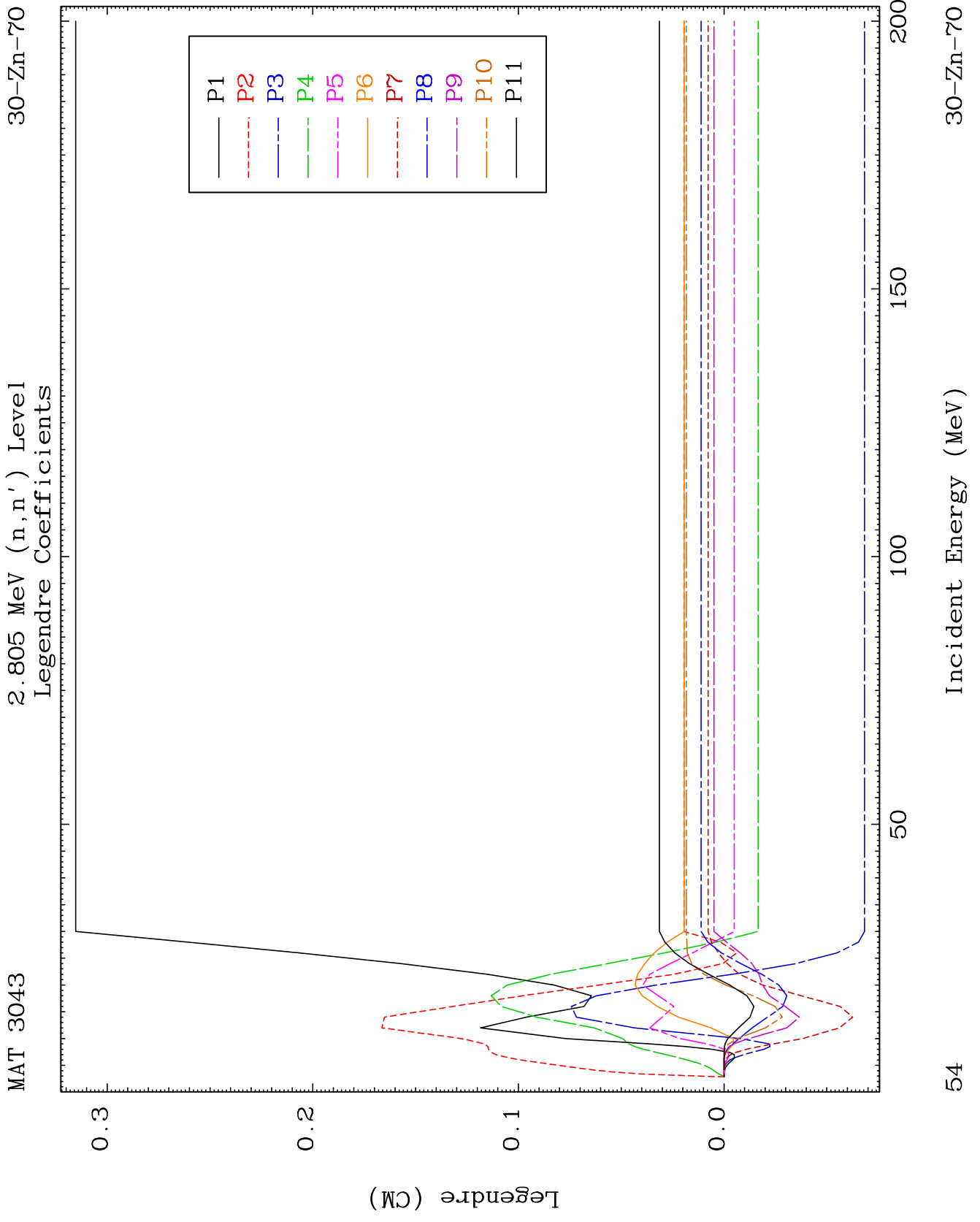


52

Incident Energy (MeV)

30-Zn-70

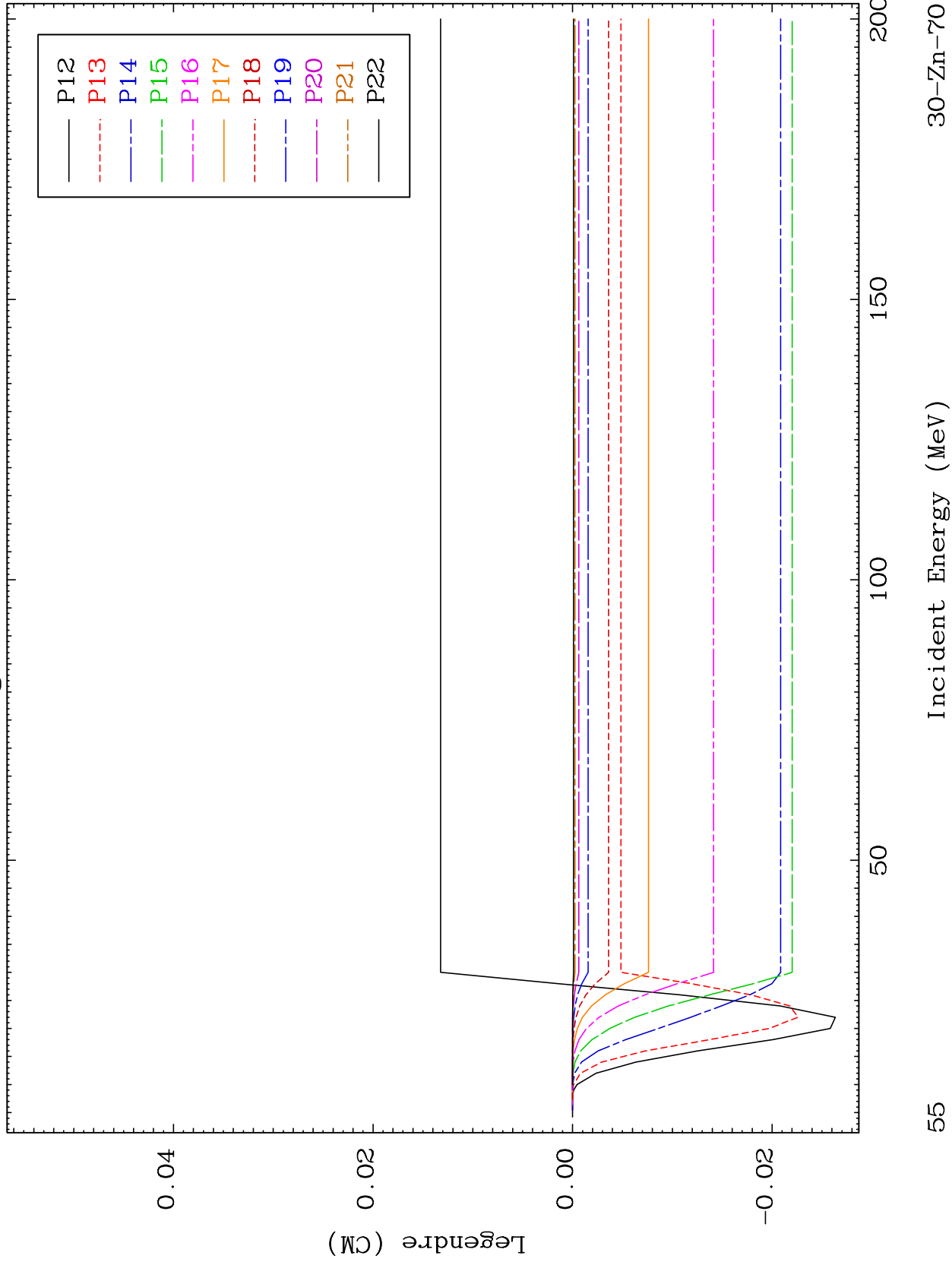




MAT 3043

2.805 MeV (n,n') Level  
Legendre Coefficients

30-Zn-70

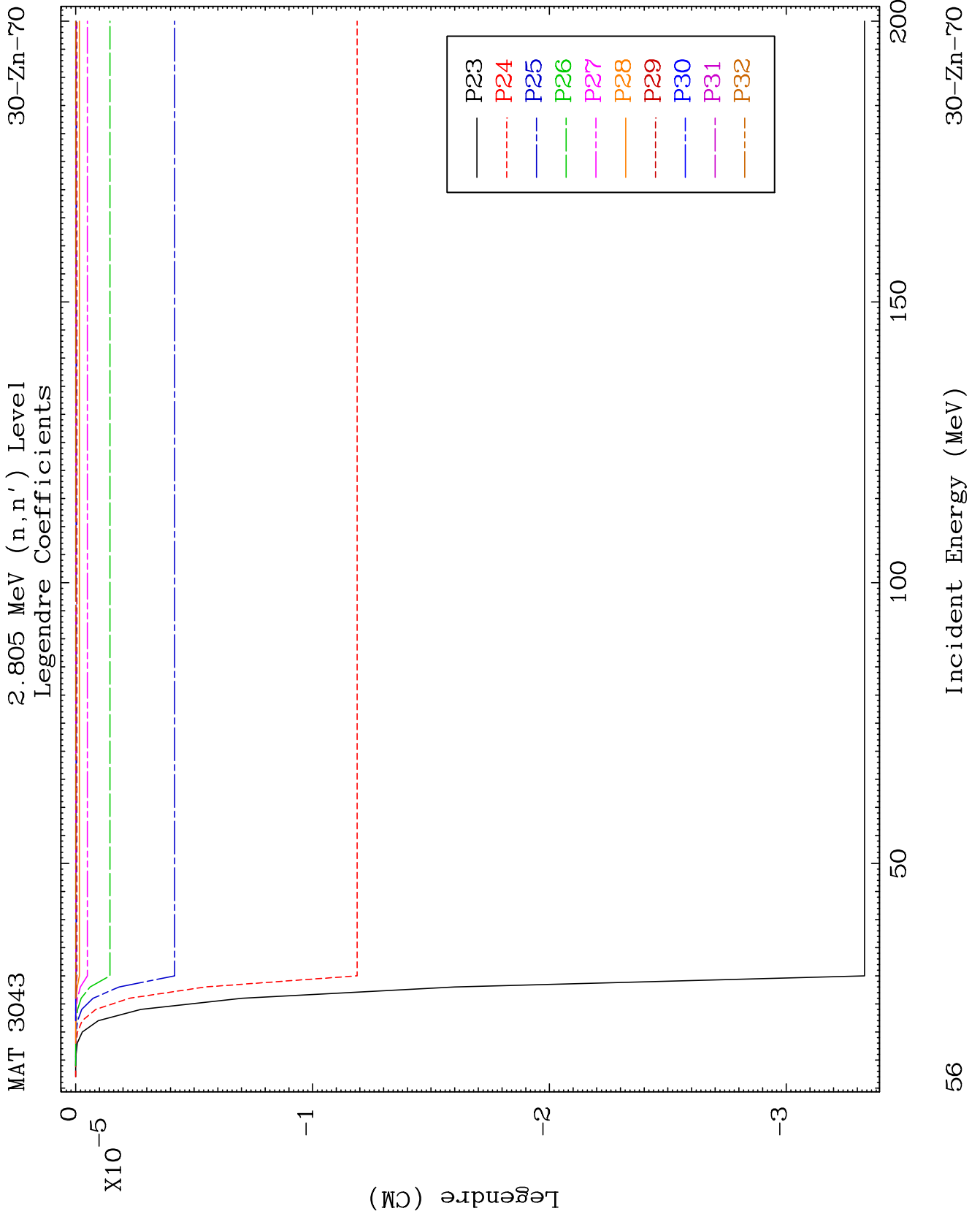


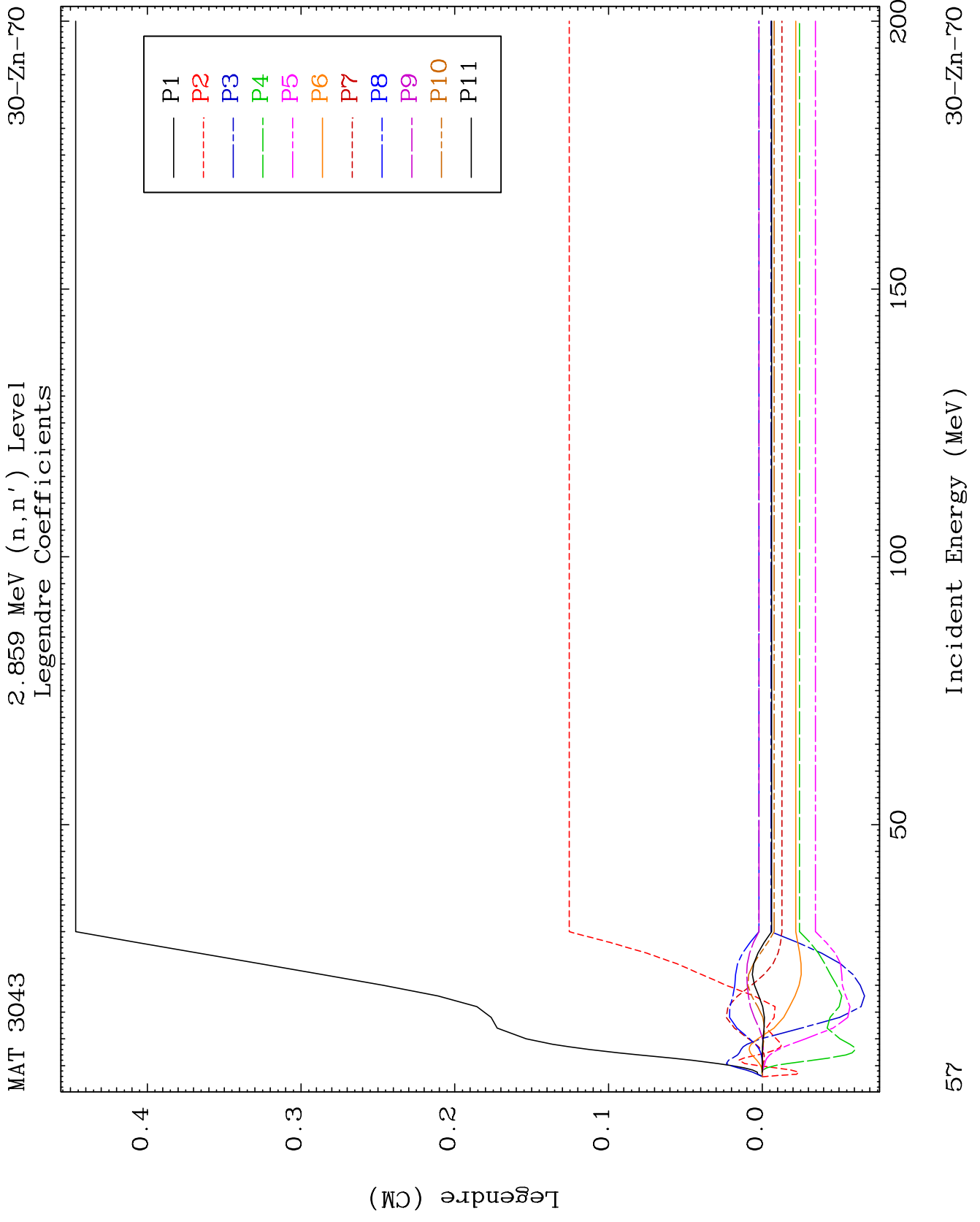
55

Incident Energy (MeV)

30-Zn-70



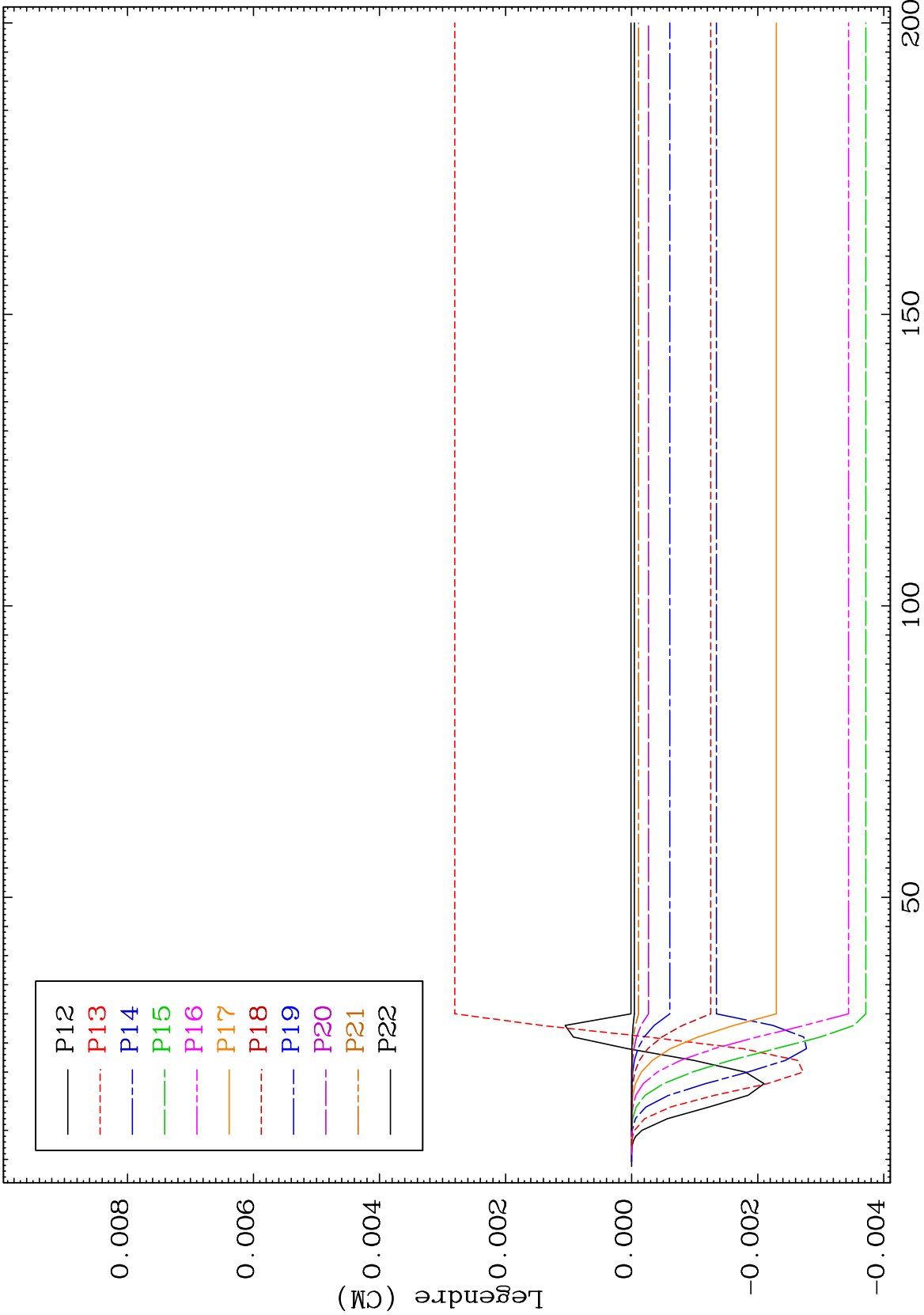


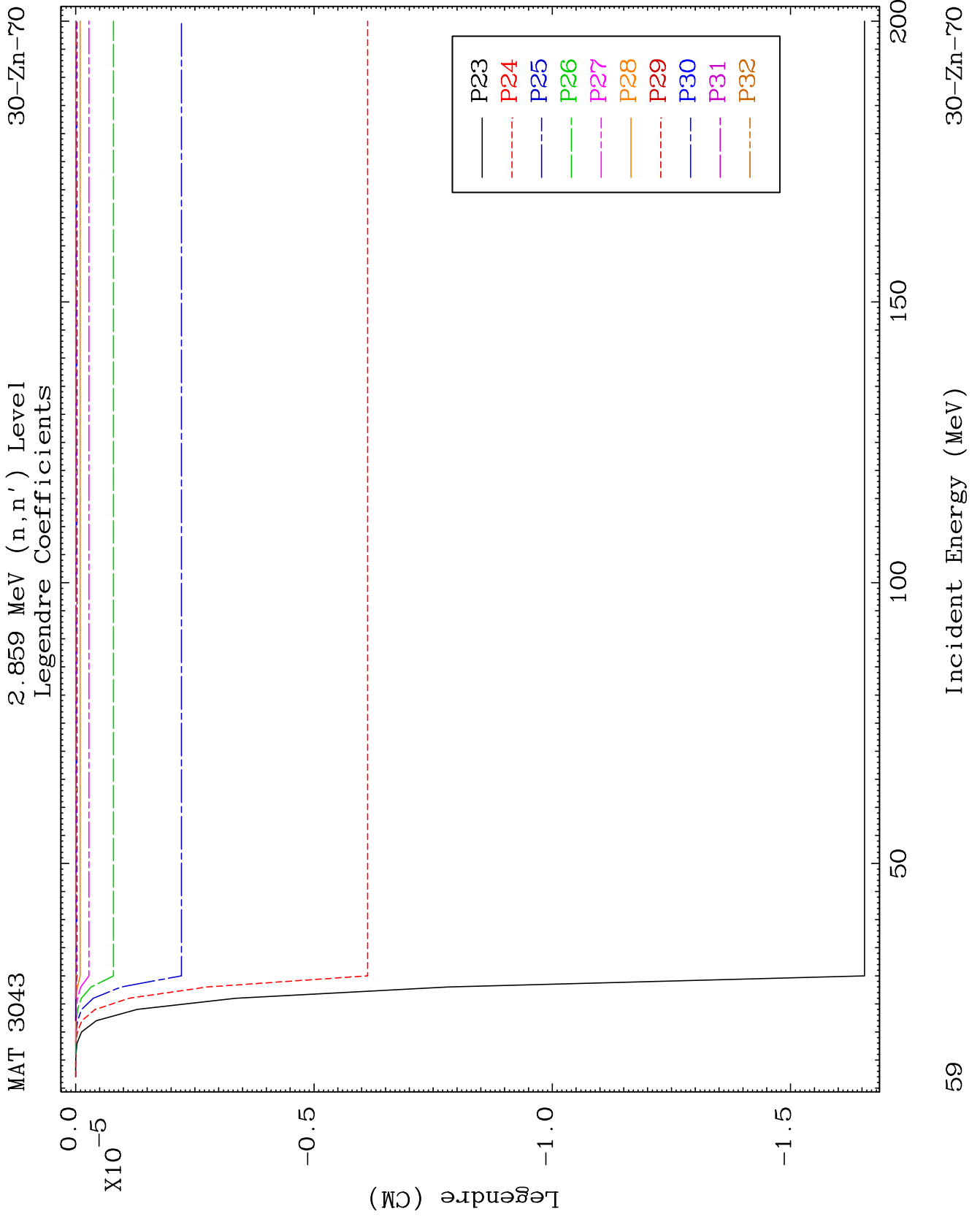


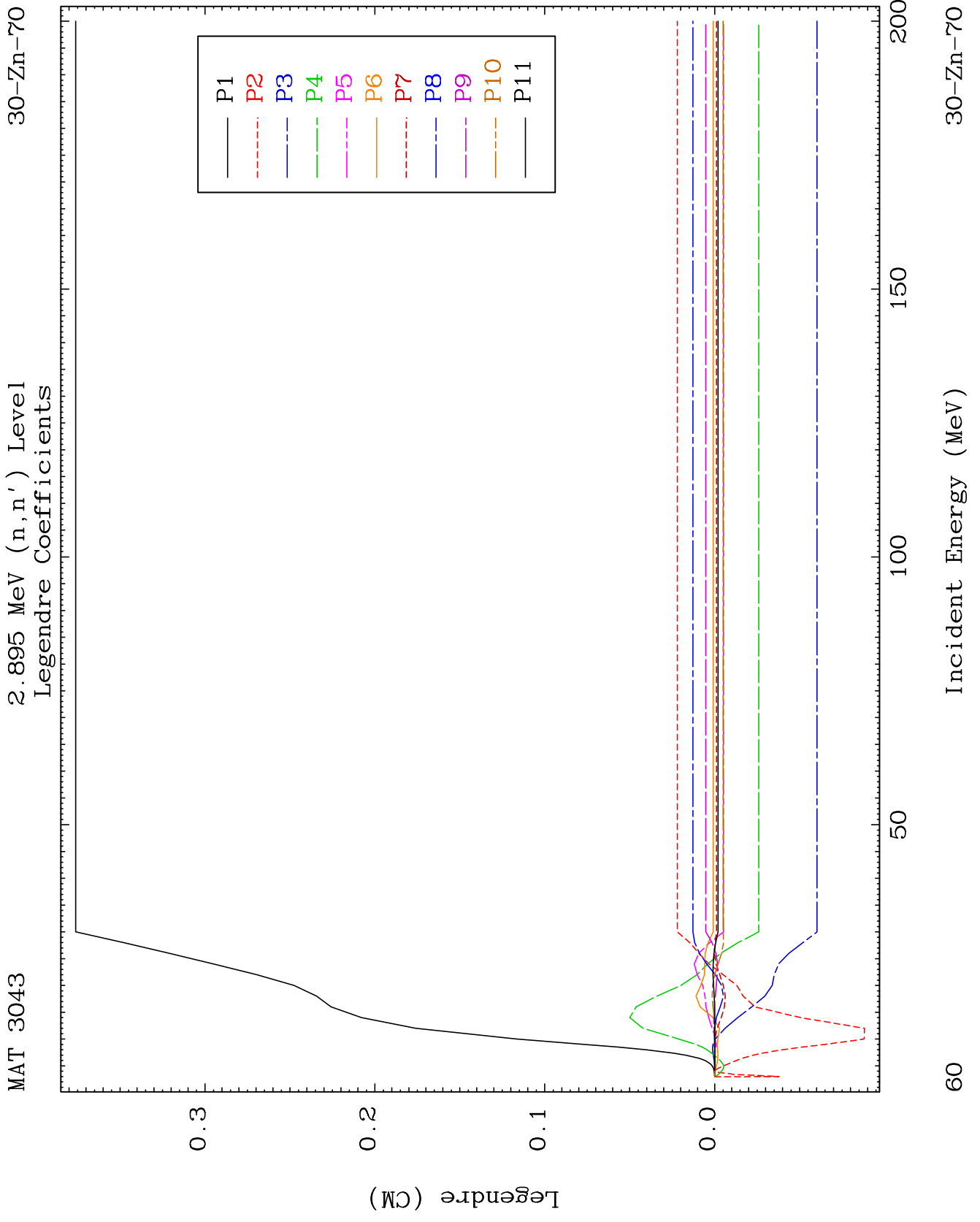
MAT 3043

2.859 MeV (n, n') Level  
Legendre Coefficients

30-Zn-70



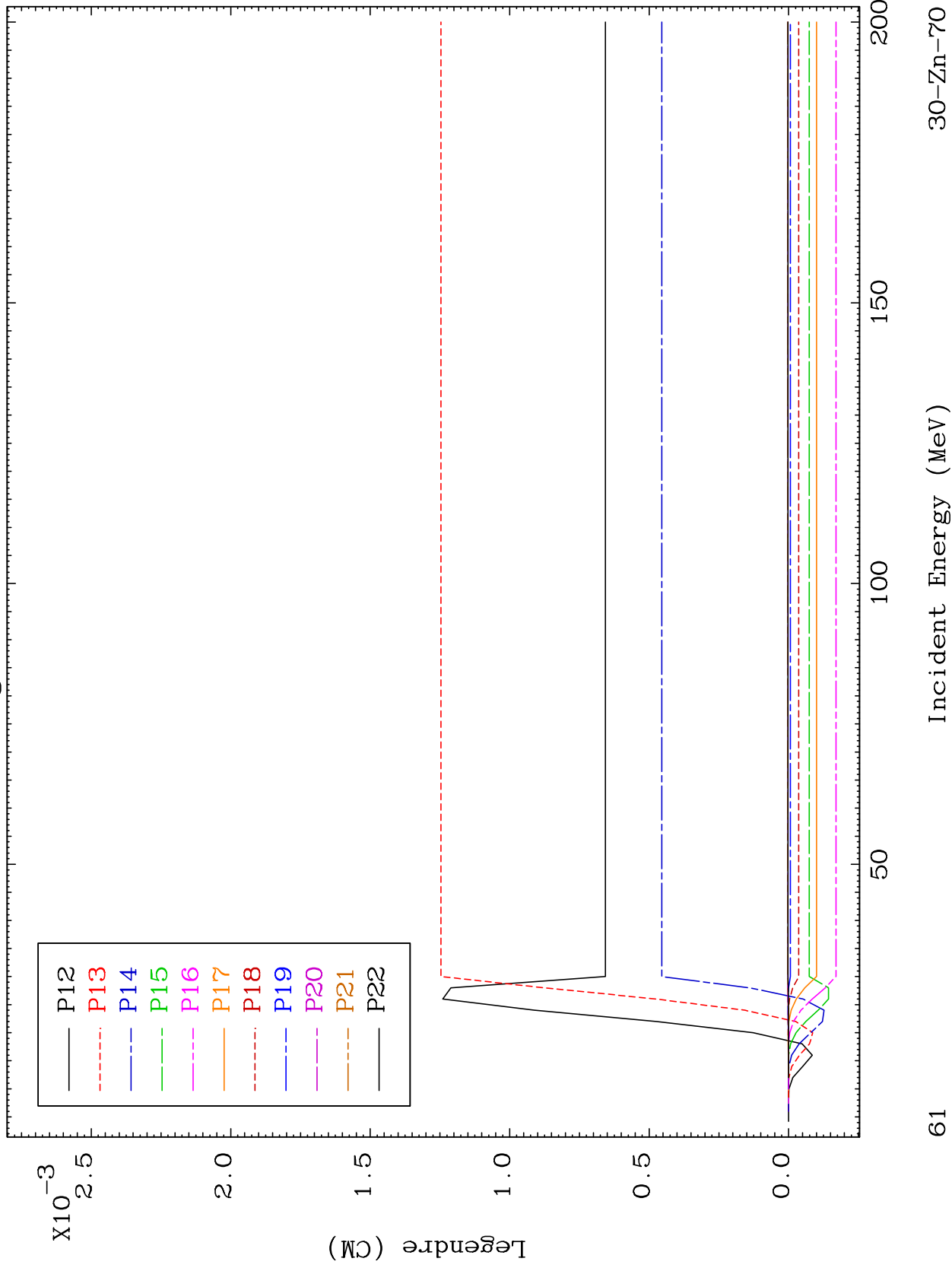


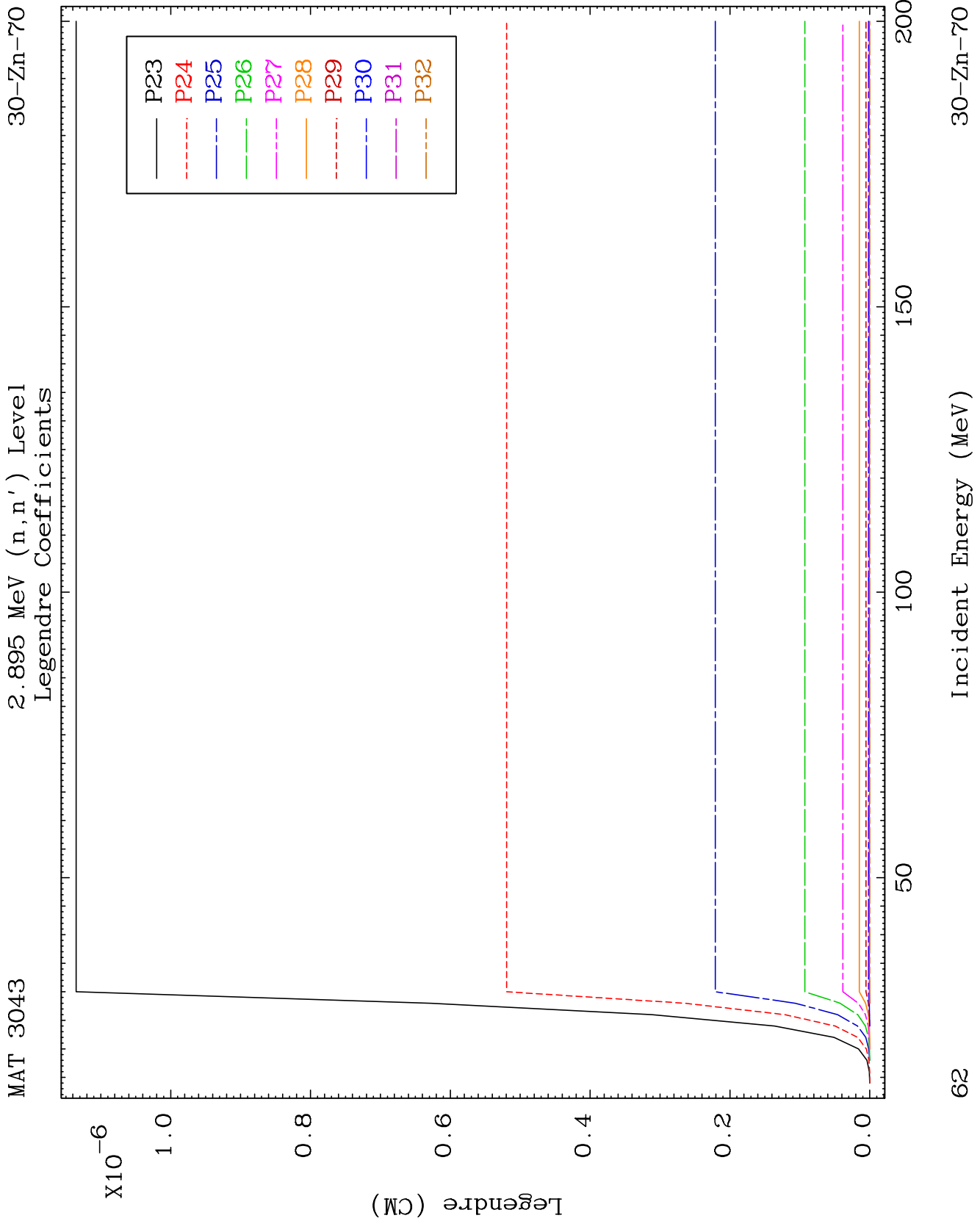


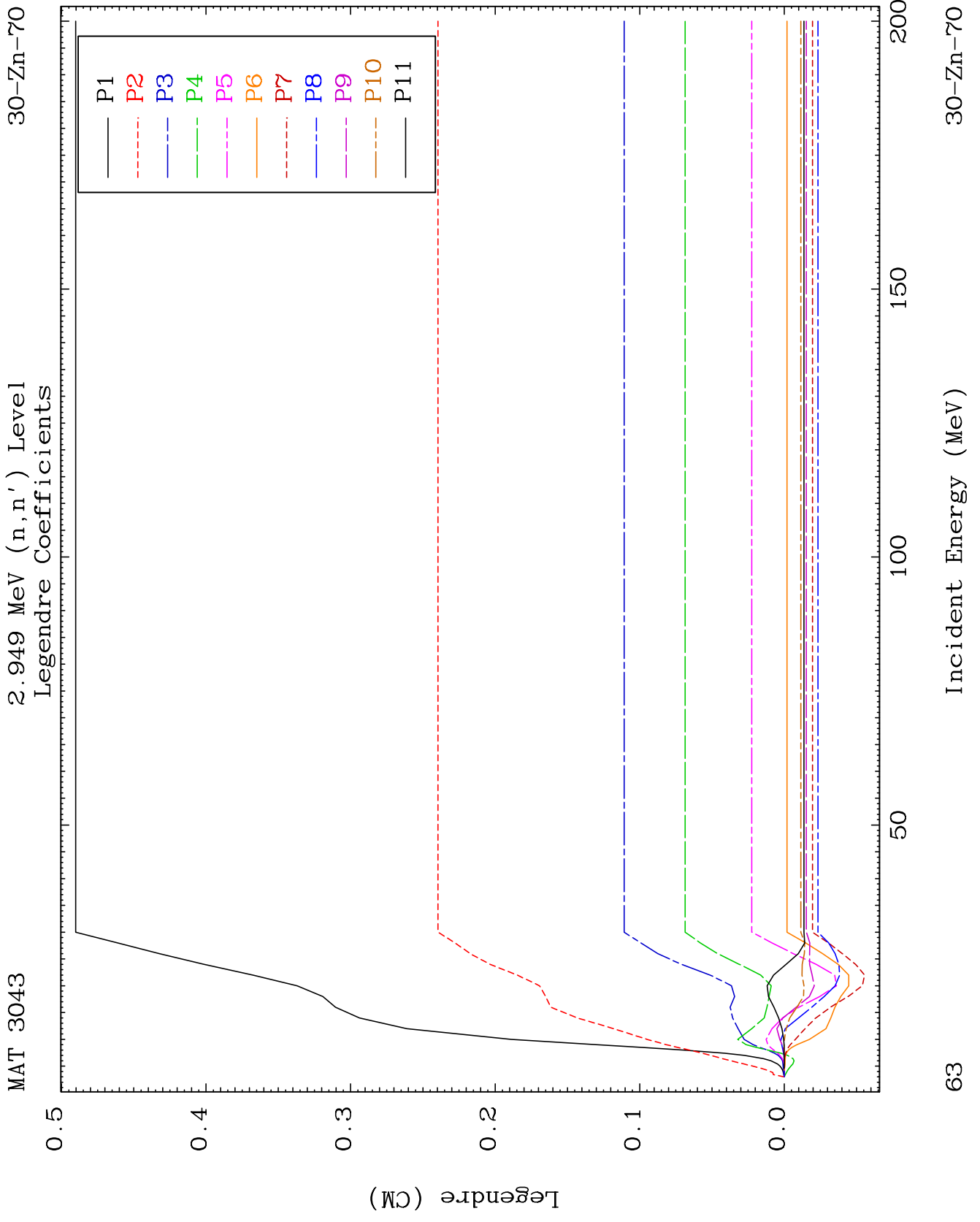
MAT 3043

2.895 MeV (n,n') Level  
Legendre Coefficients

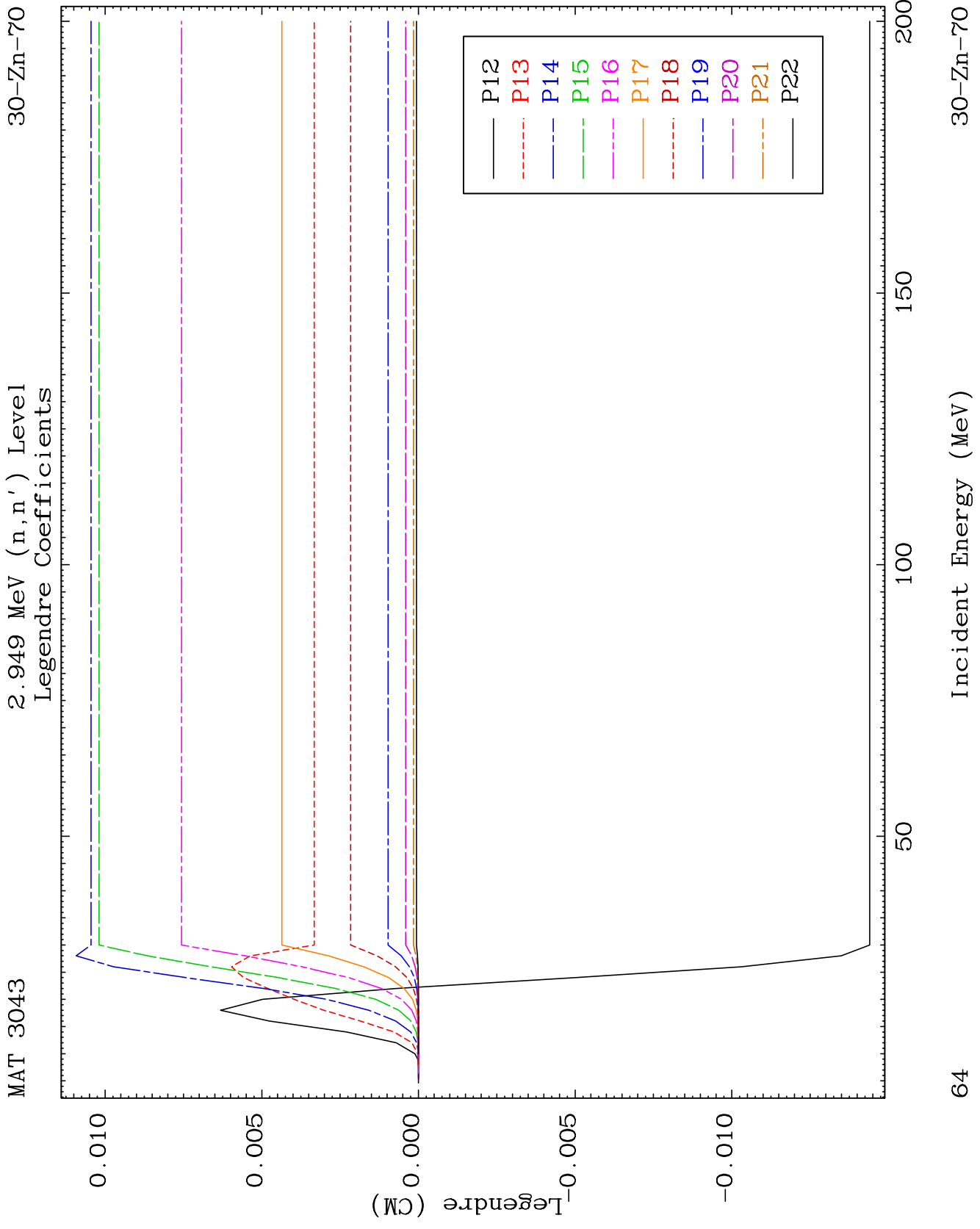
30-Zn-70

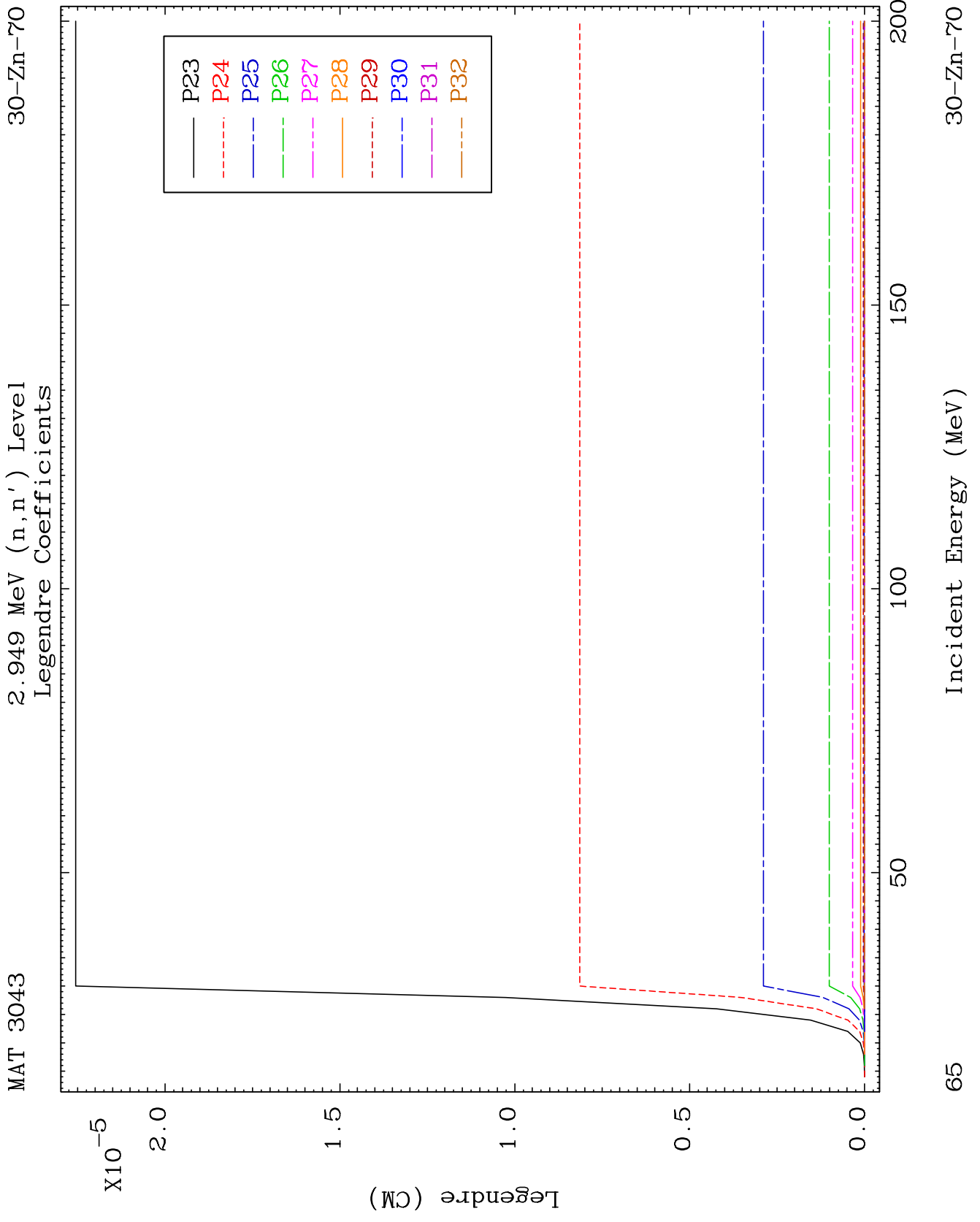








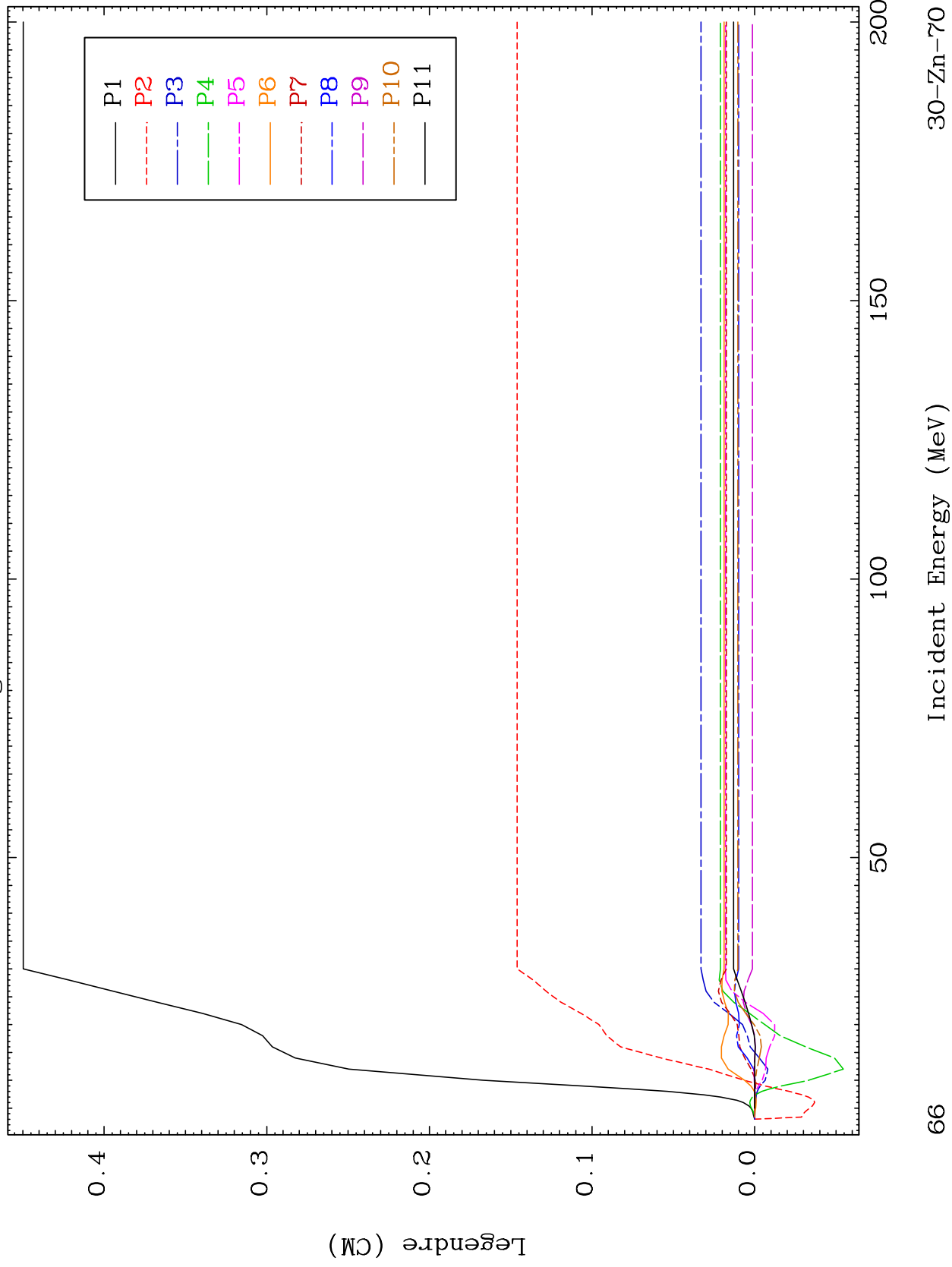


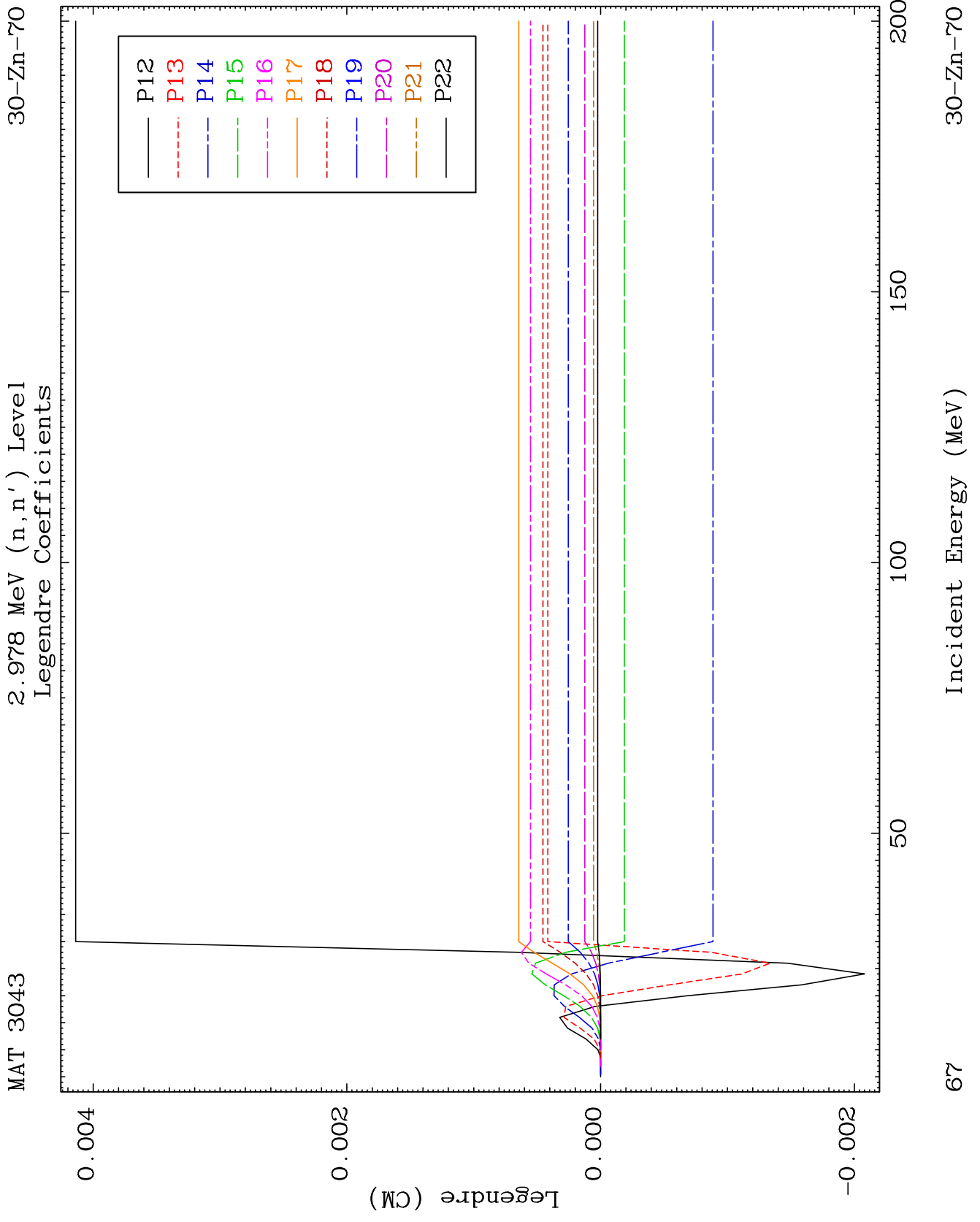


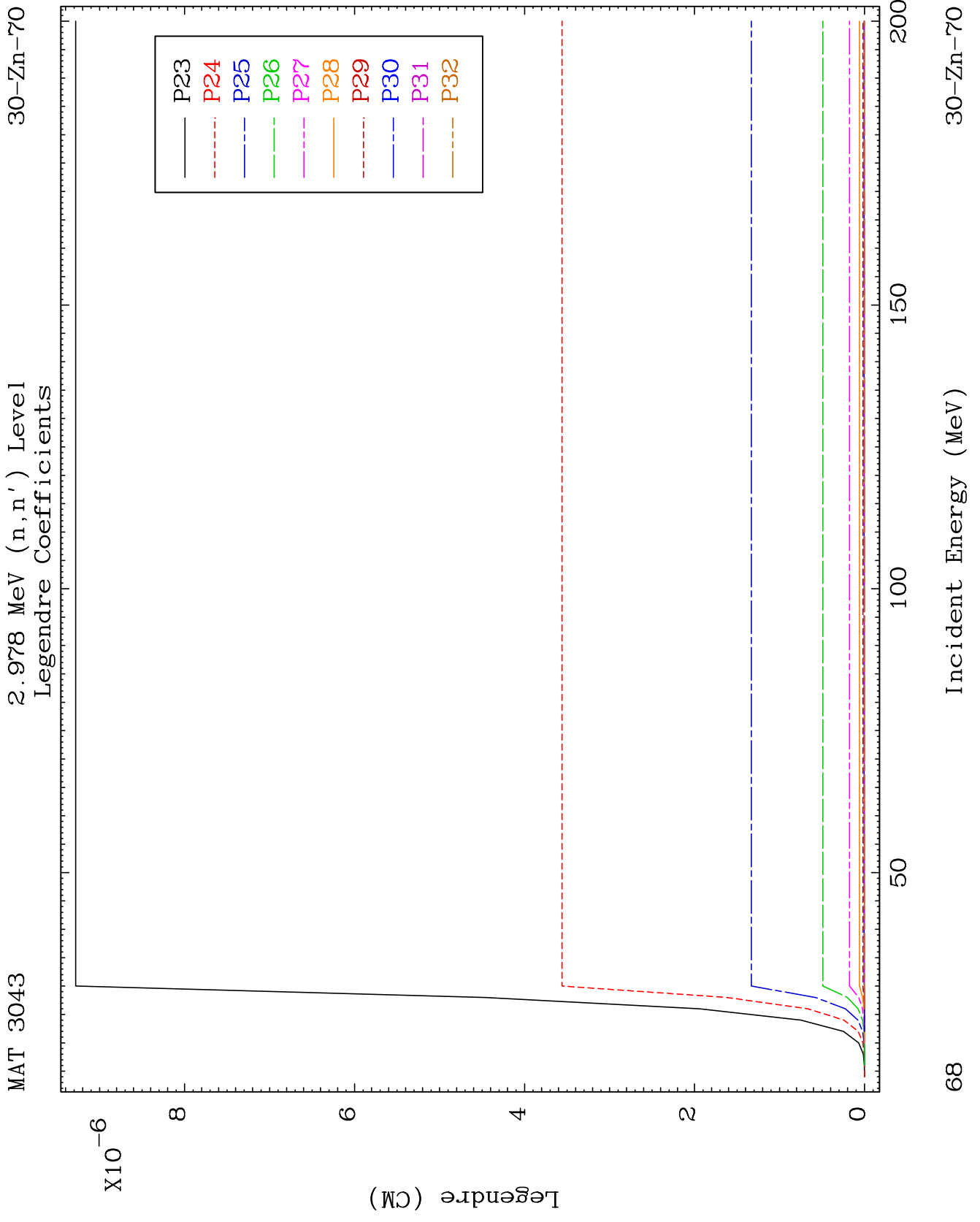
MAT 3043

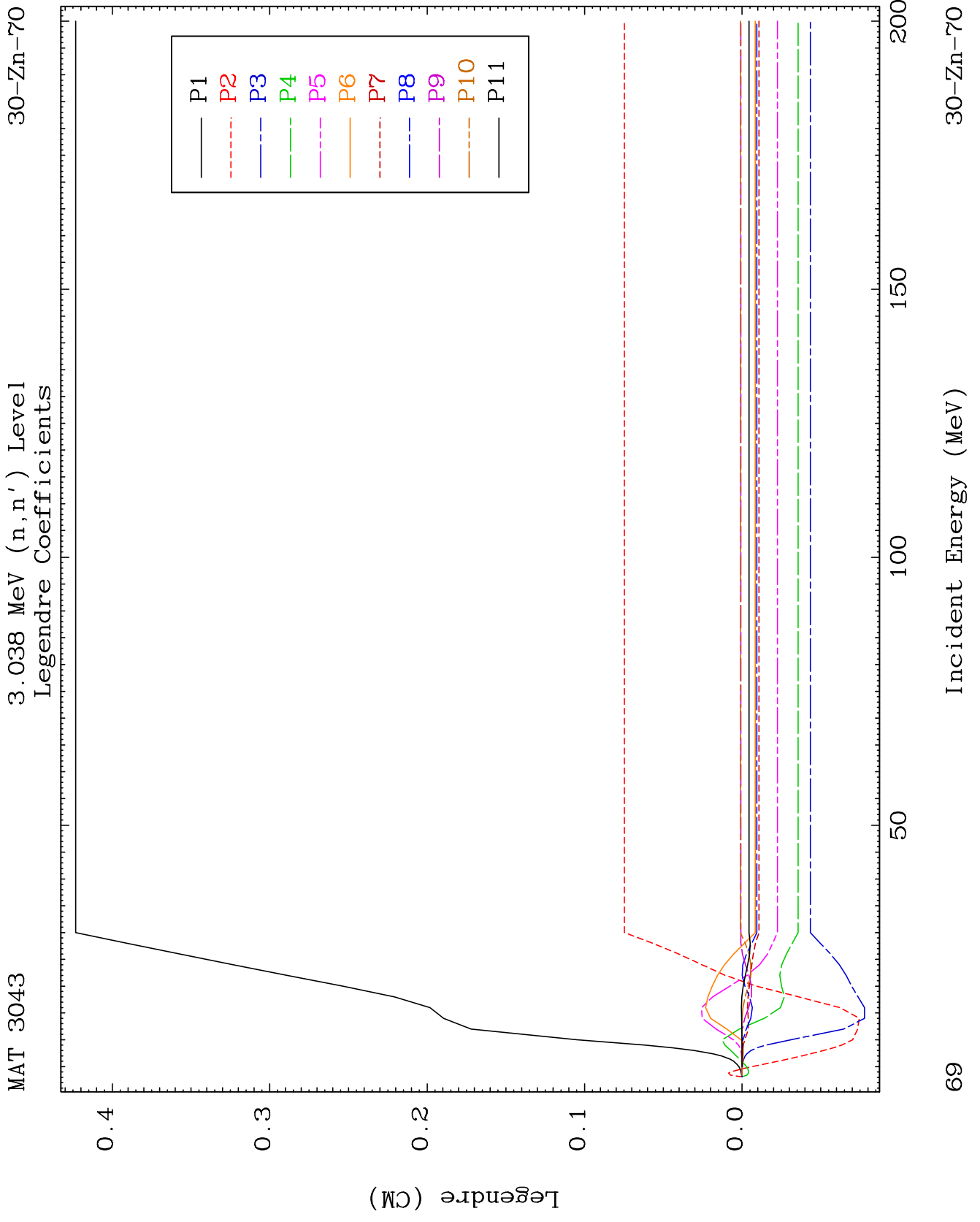
2.978 MeV (n,n') Level  
Legendre Coefficients

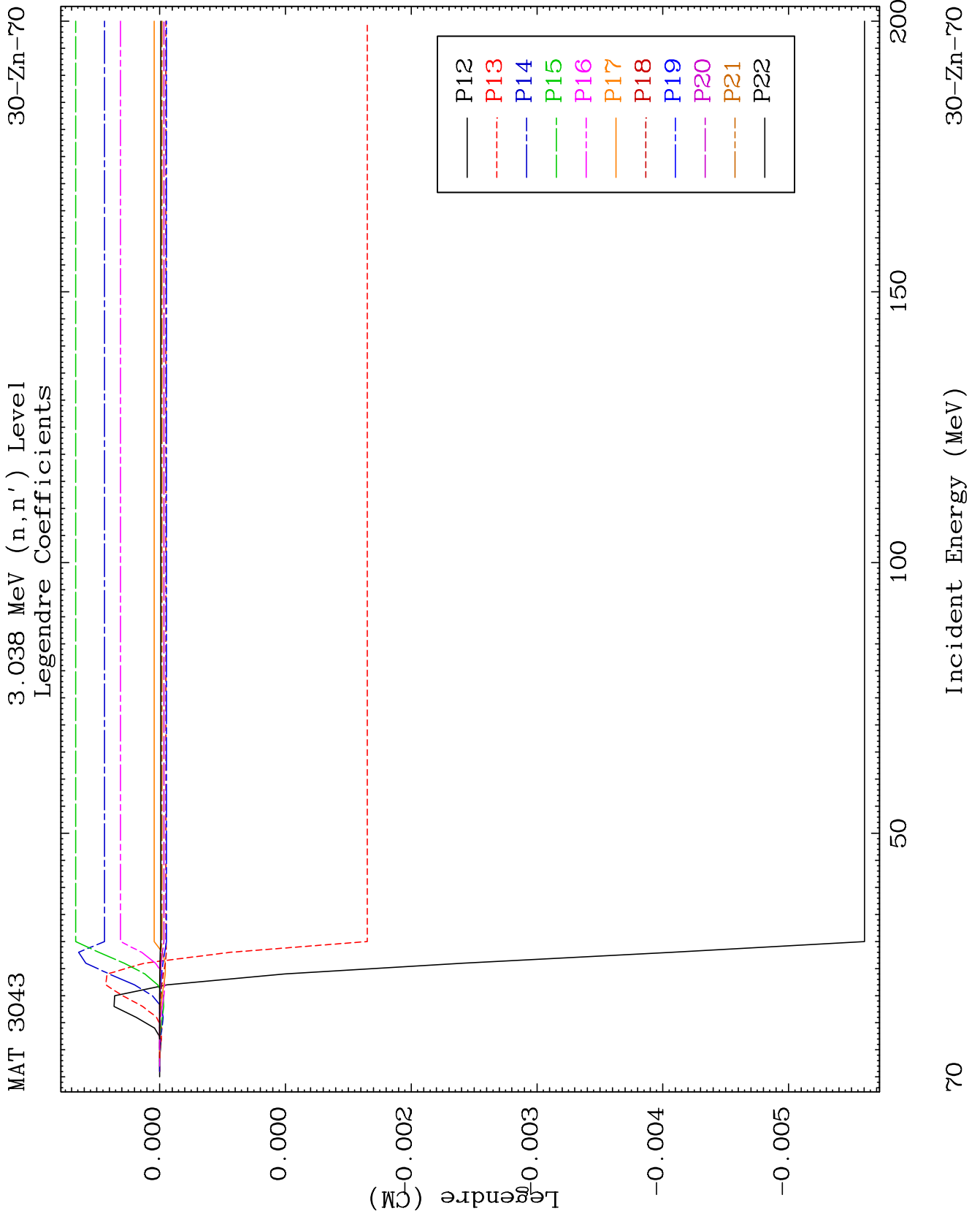
30-Zn-70

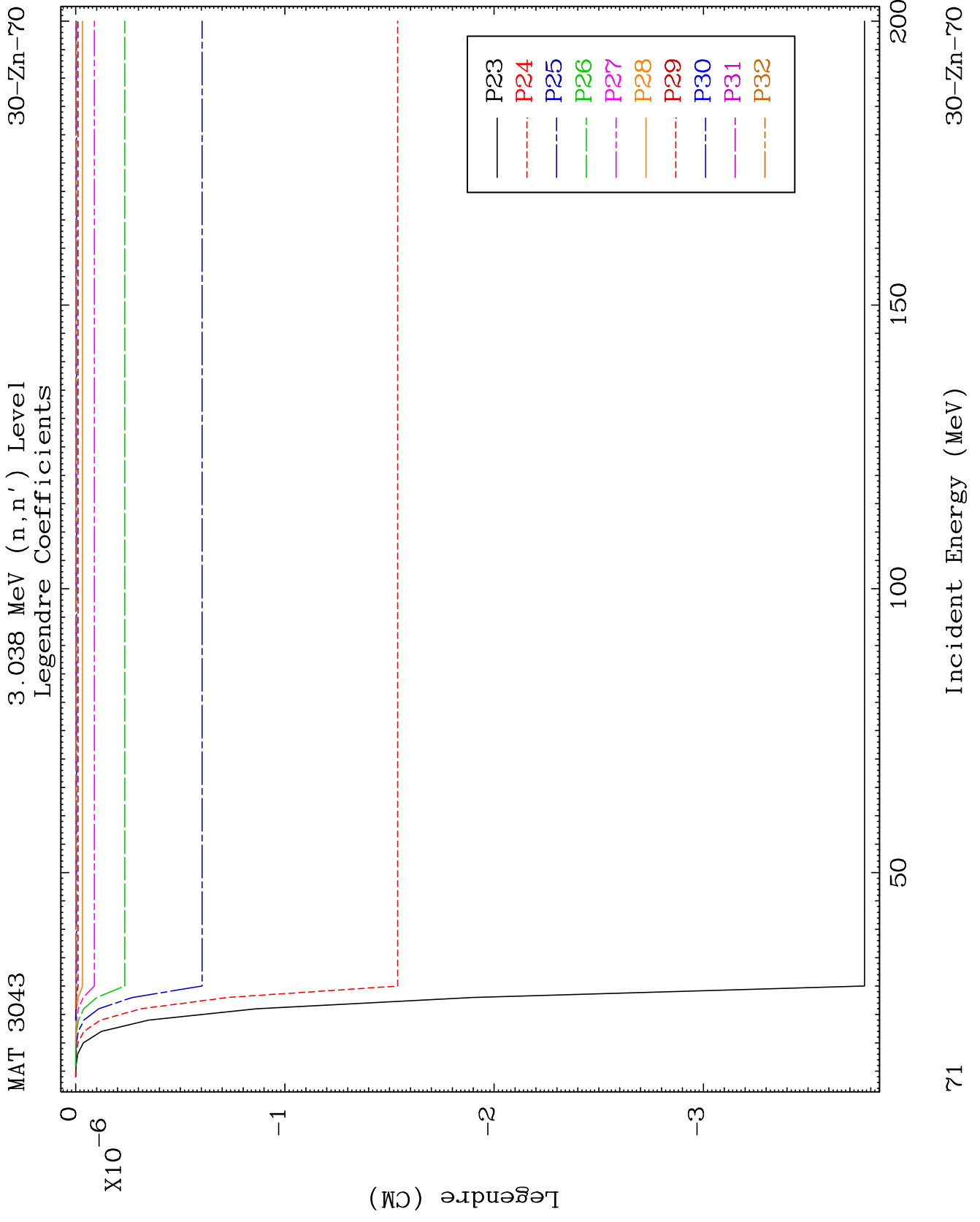




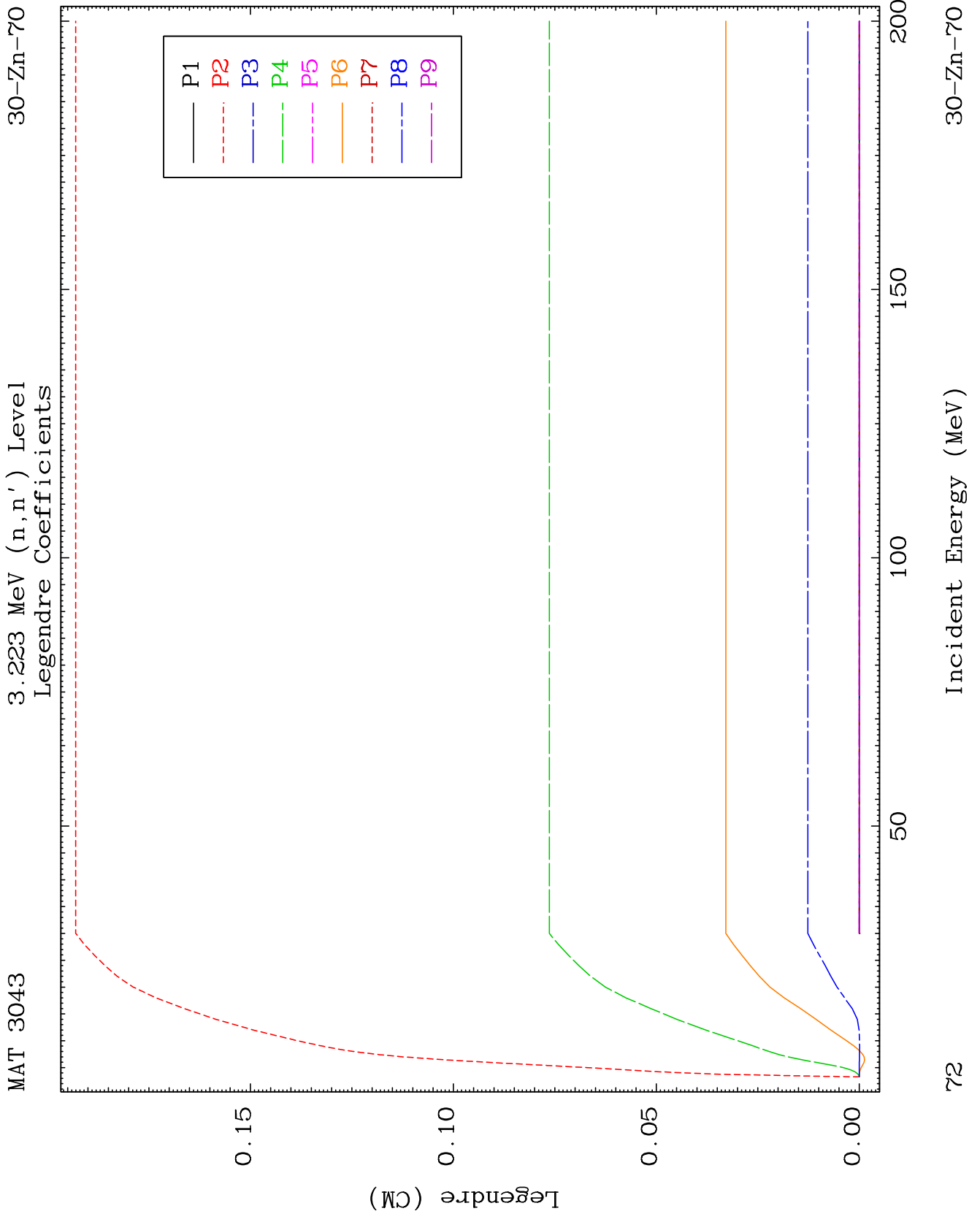








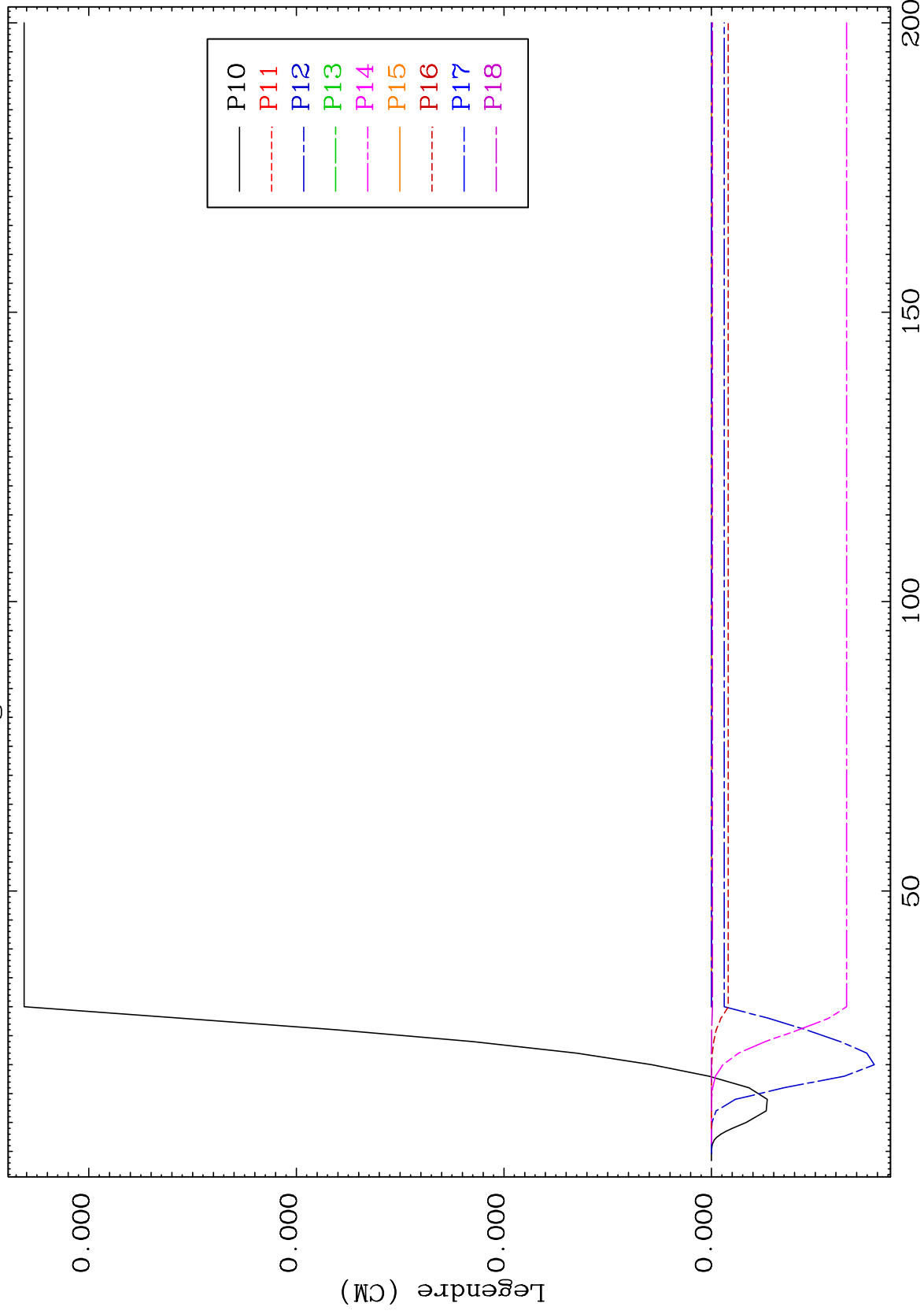




MAT 3043

3.223 MeV (n,n') Level  
Legendre Coefficients

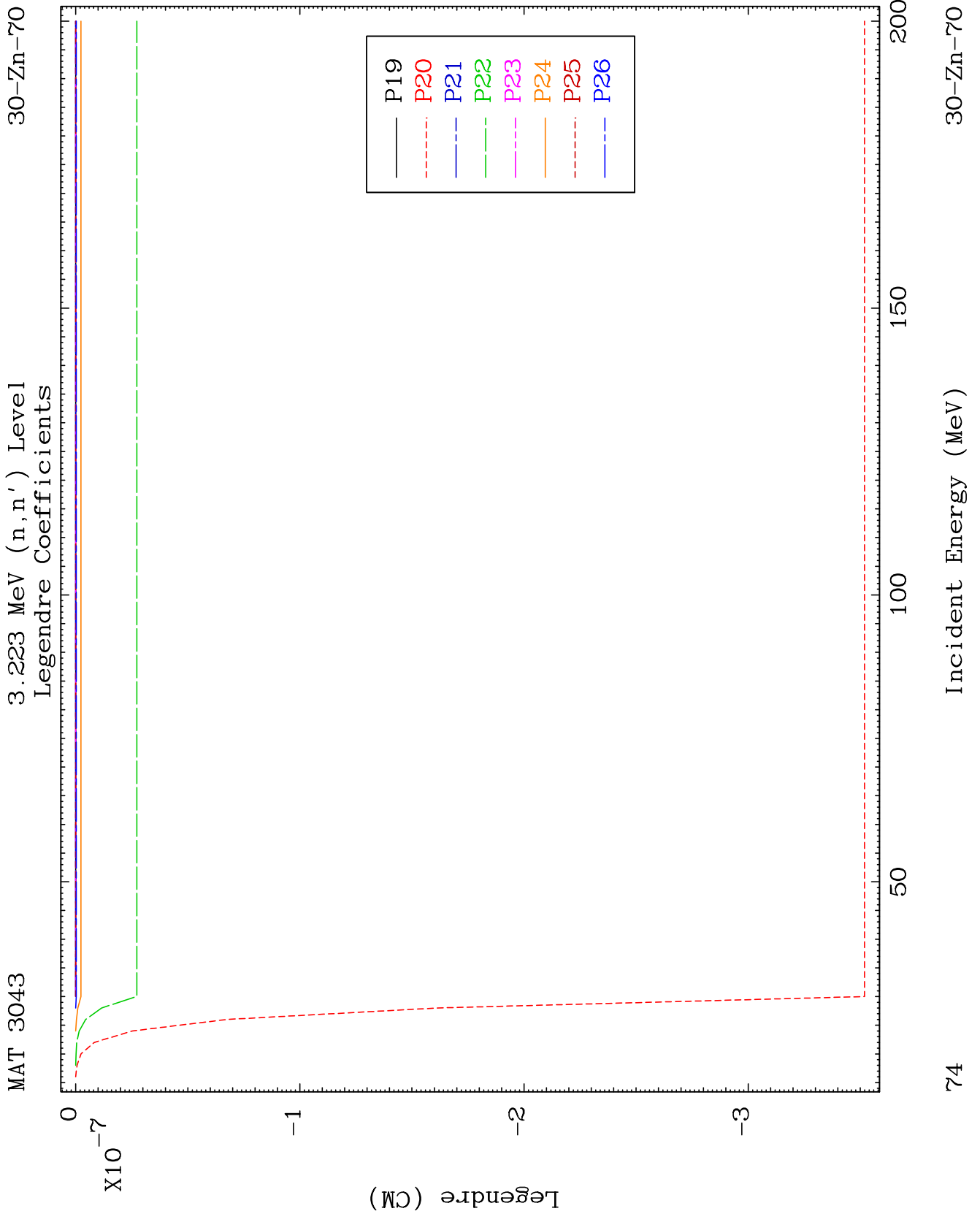
30-Zn-70



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Incident Energy (MeV)

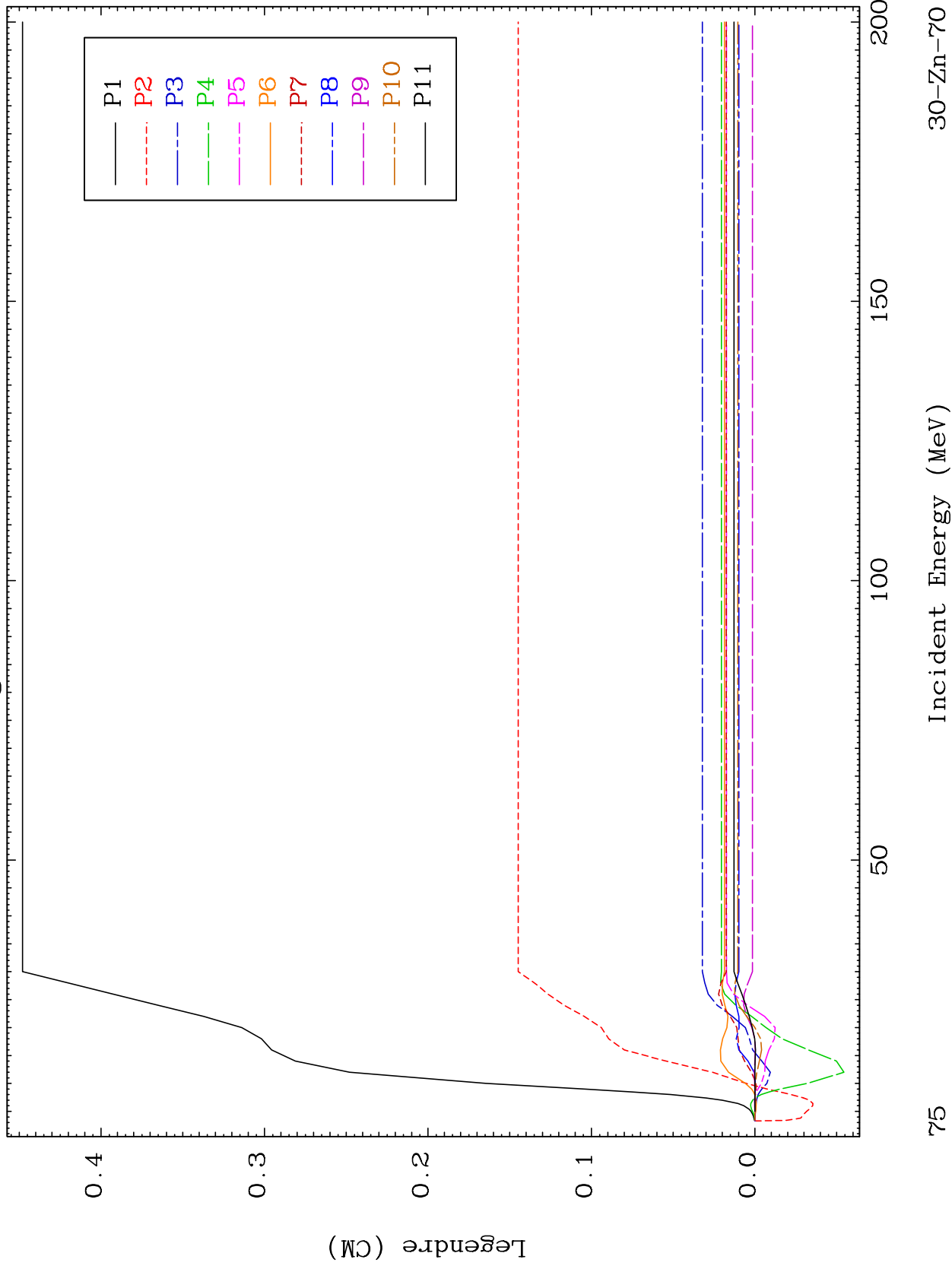
30-Zn-70



MAT 3043

3.235 MeV (n,n') Level  
Legendre Coefficients

30-Zn-70



75

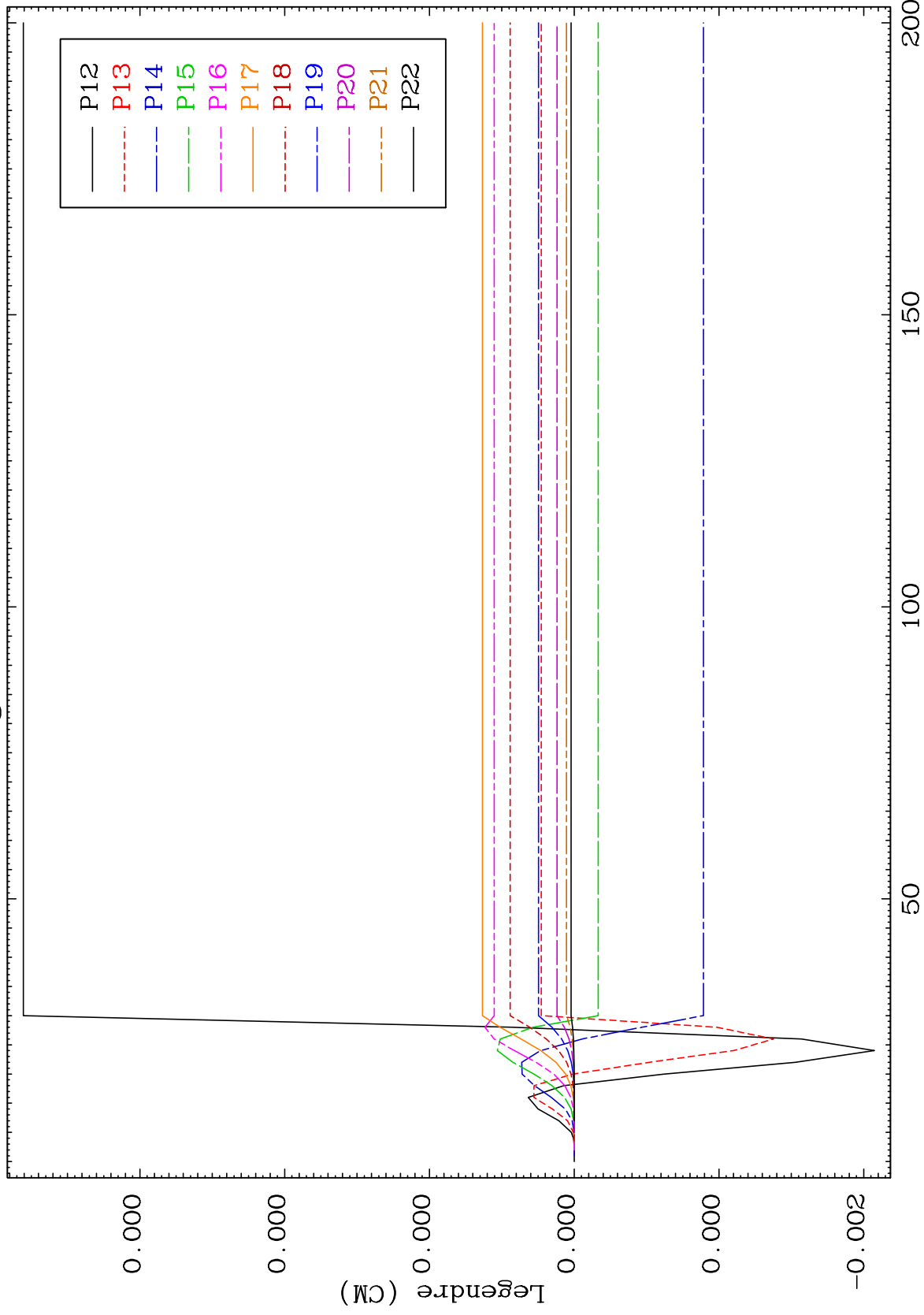
Incident Energy (MeV)

30-Zn-70

MAT 3043

3.235 MeV (n,n') Level  
Legendre Coefficients

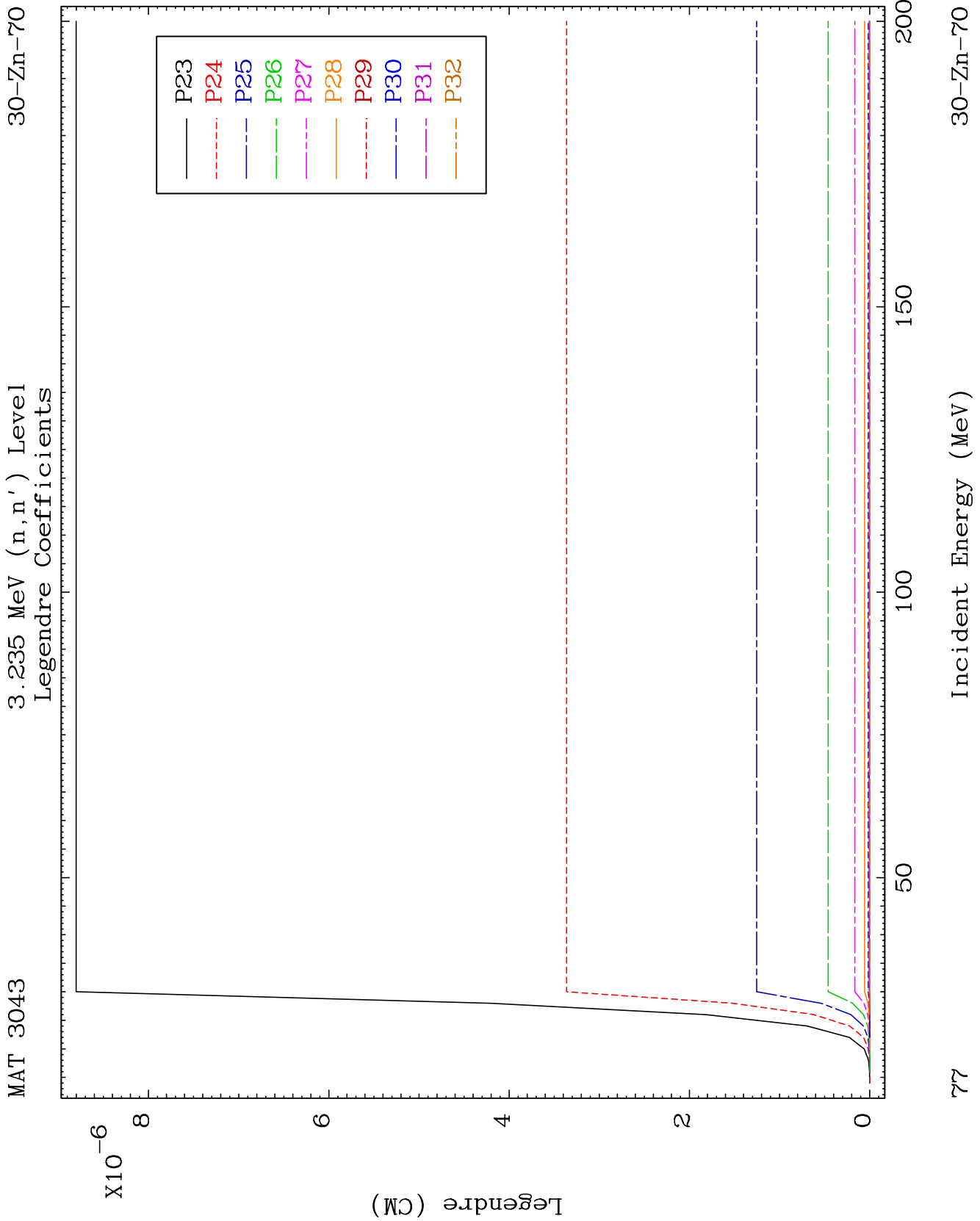
30-Zn-70

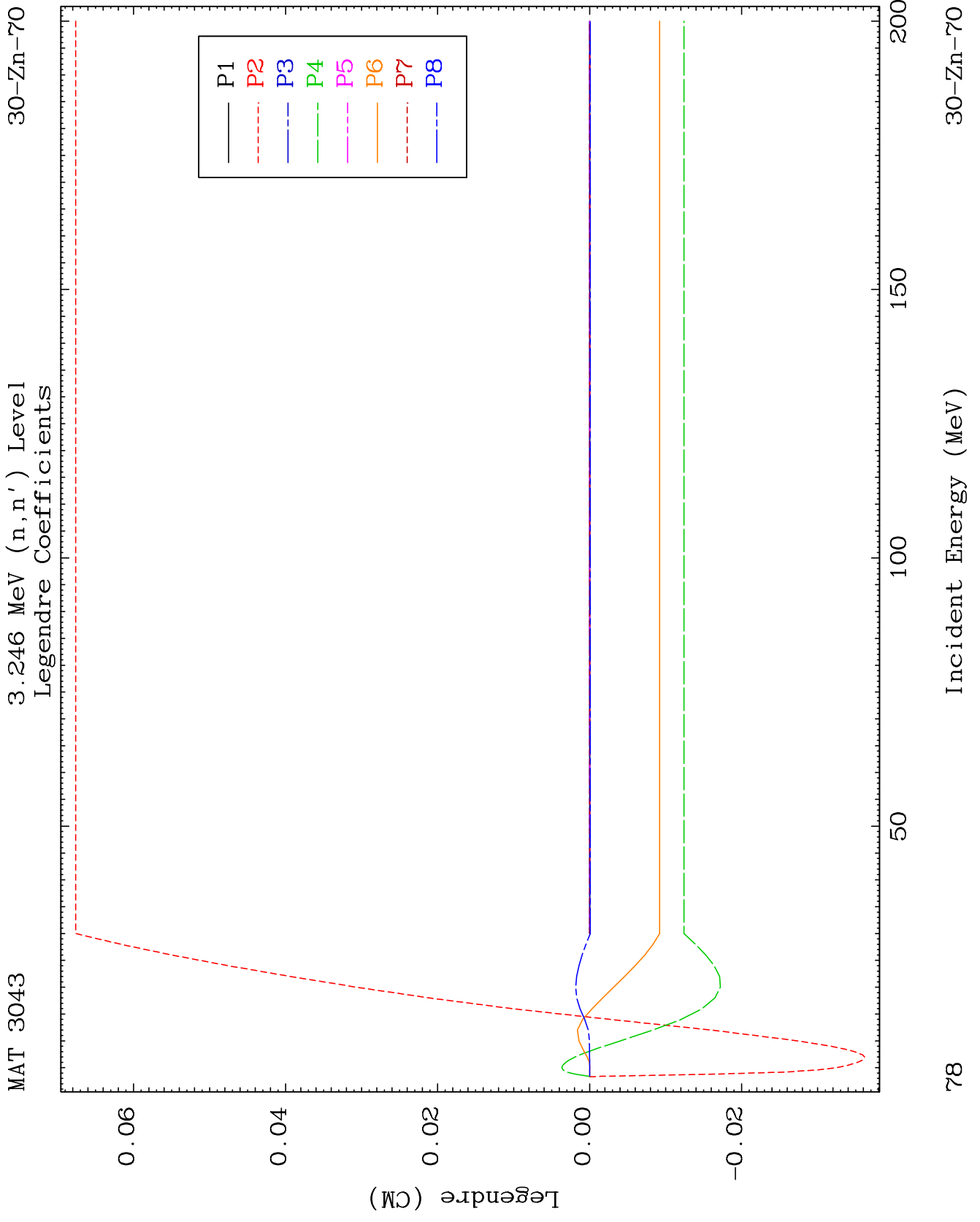


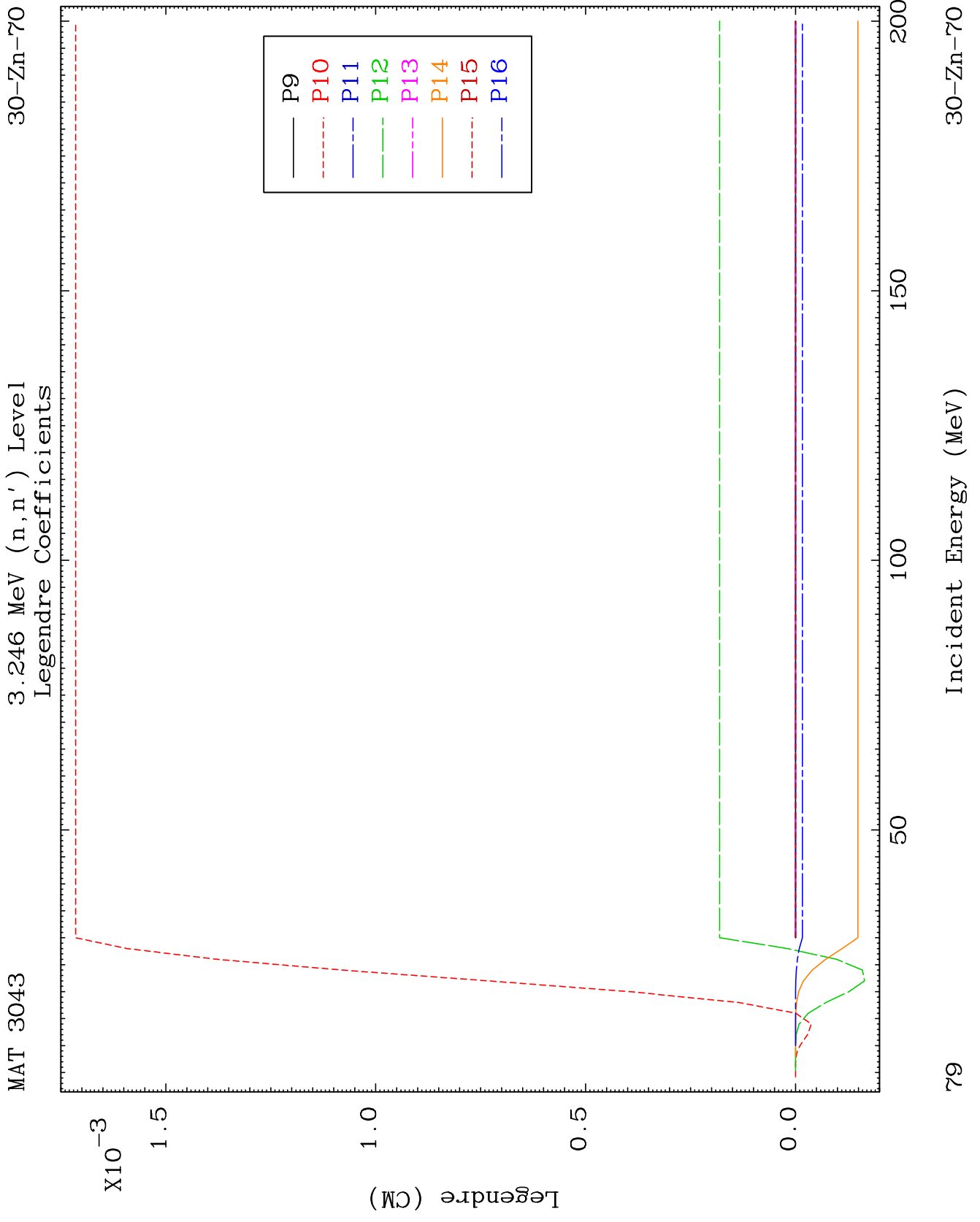
76

Incident Energy (MeV)

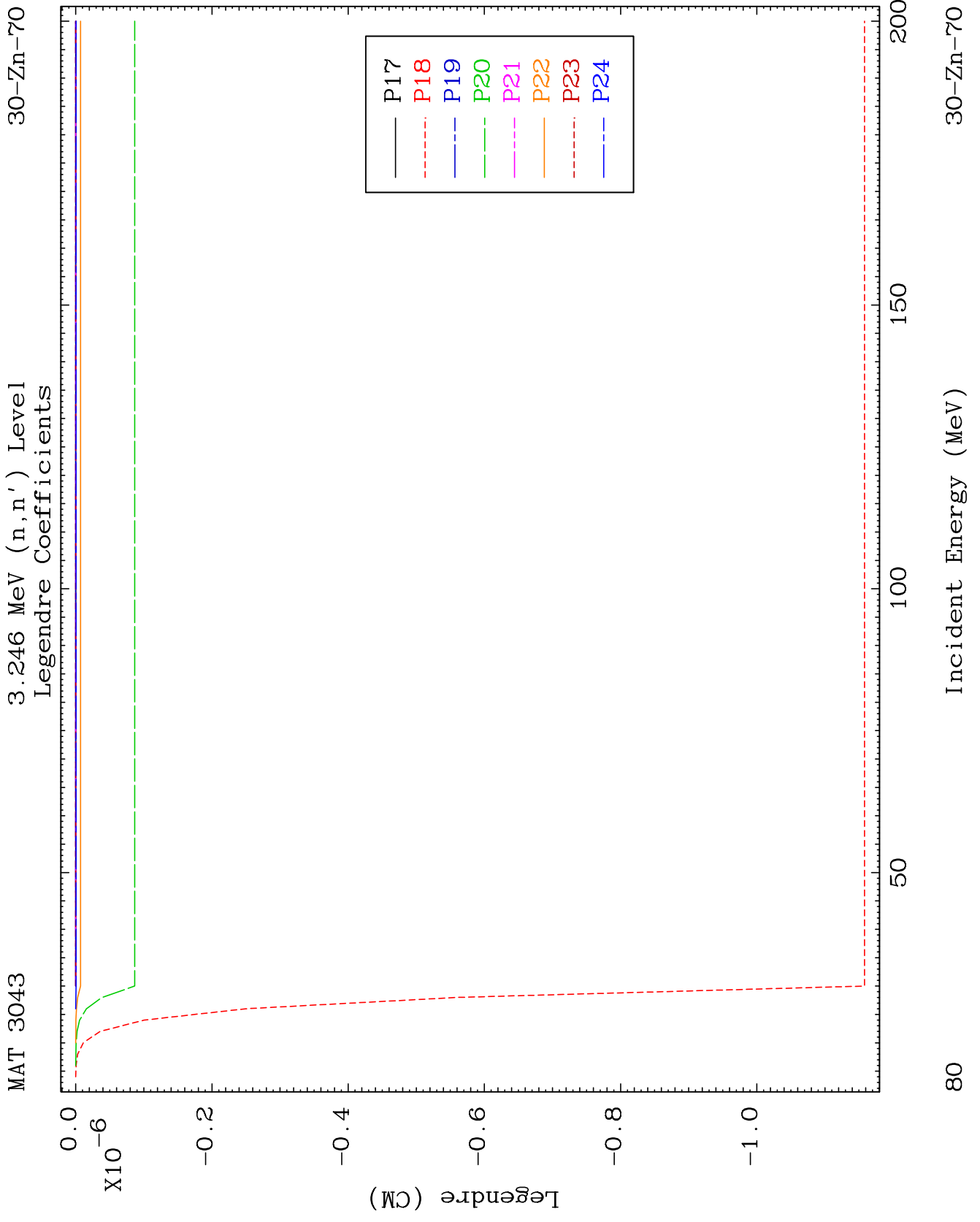
30-Zn-70

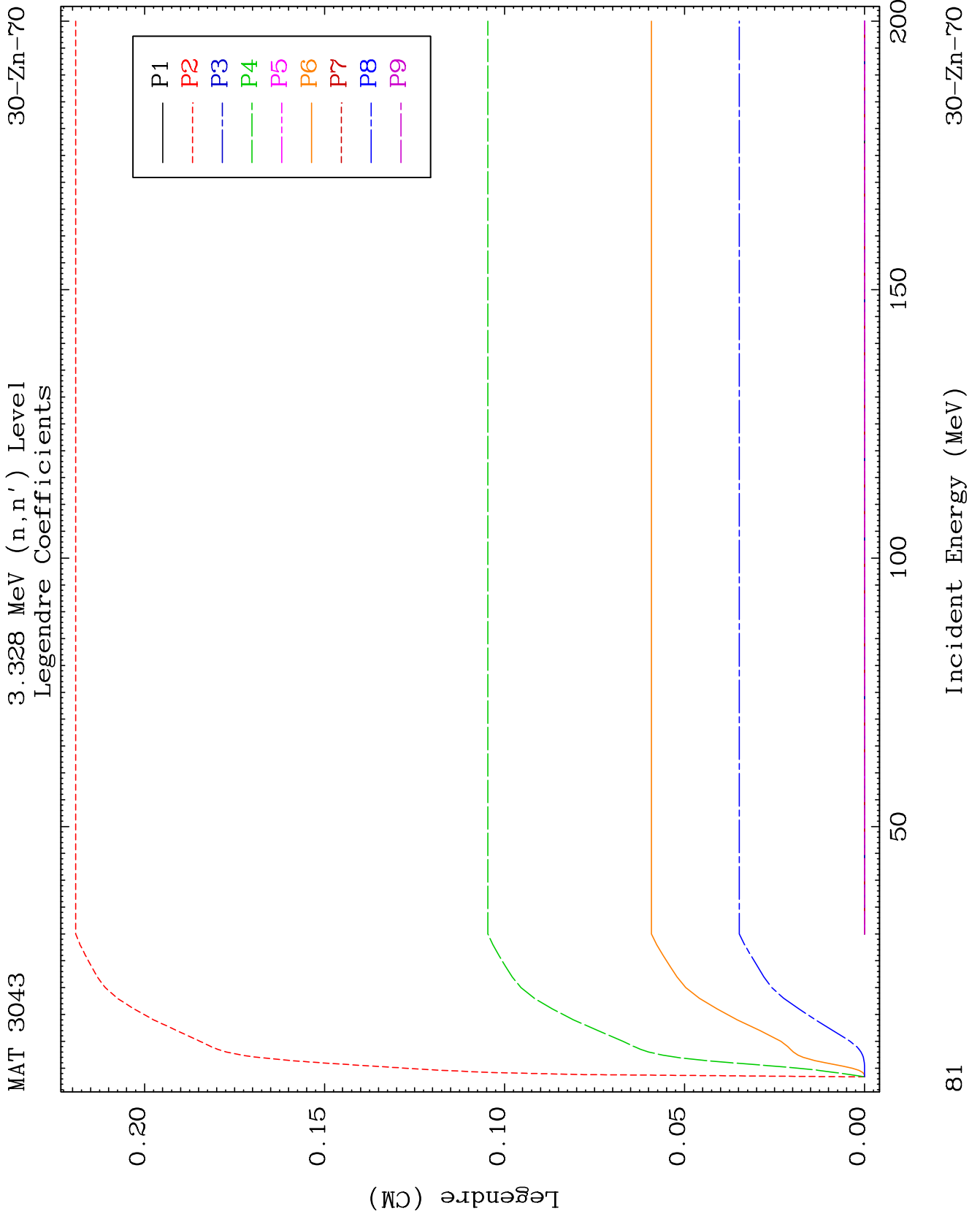








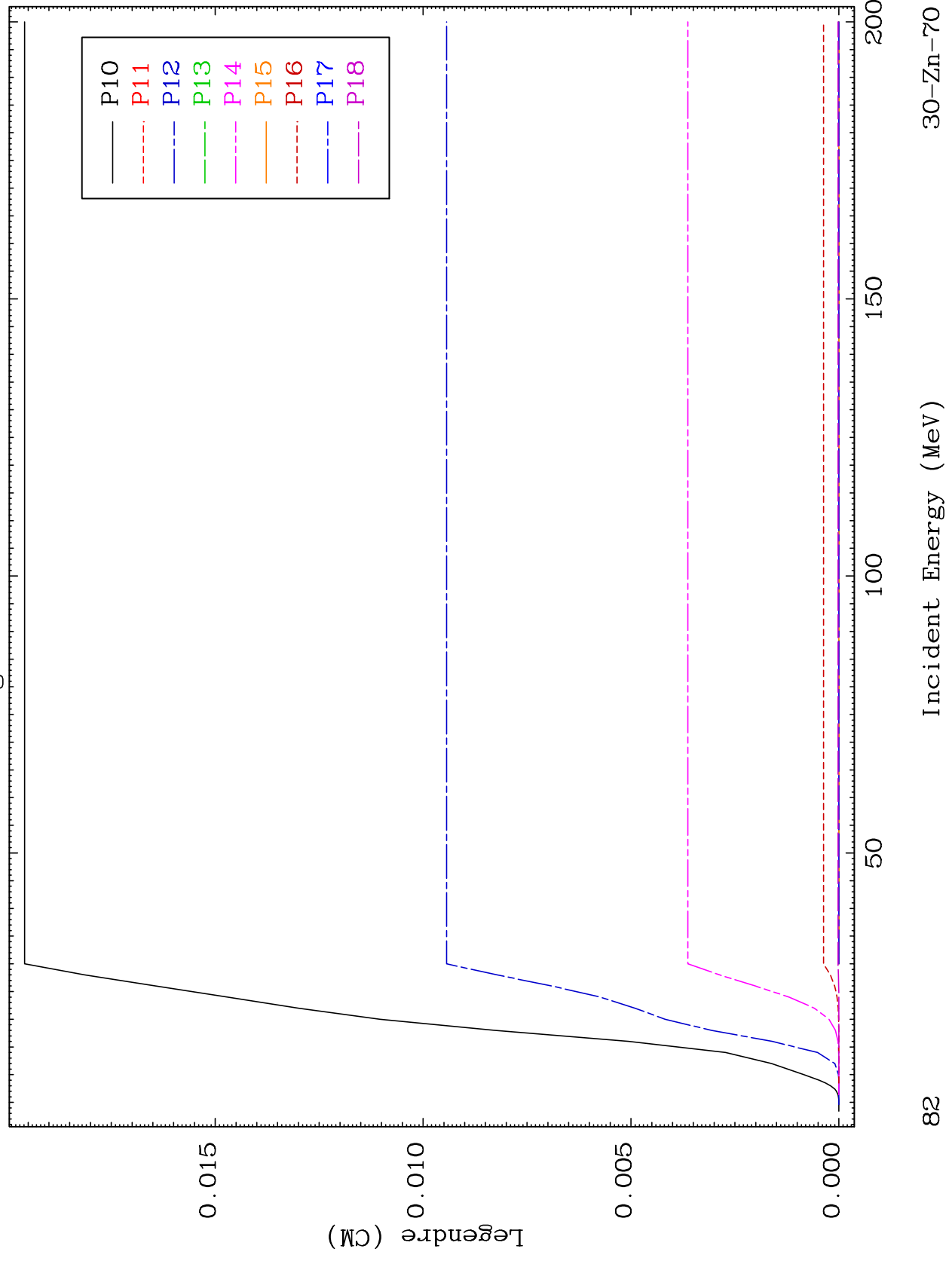




MAT 3043

3.328 MeV (n,n') Level  
Legendre Coefficients

30-Zn-70

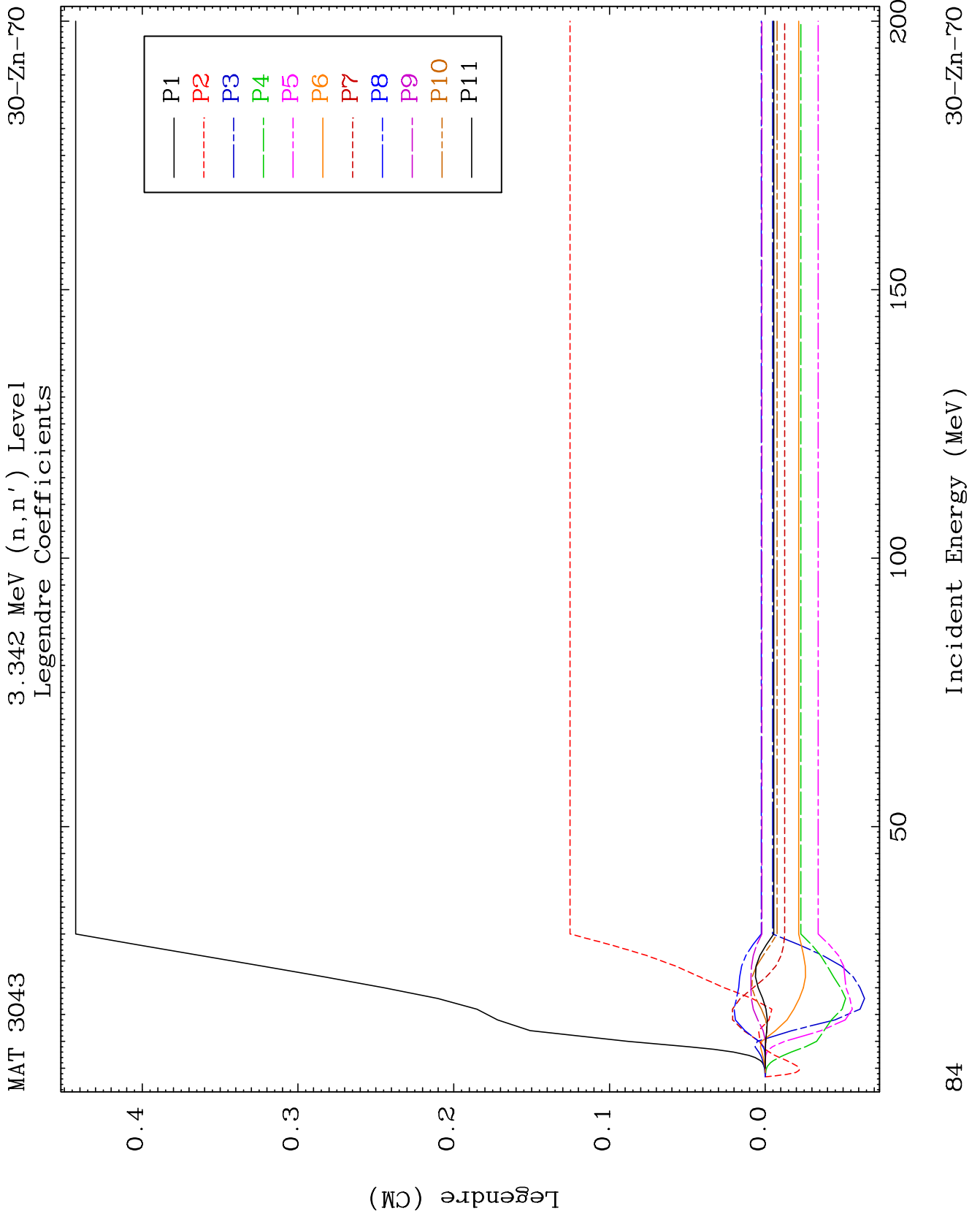


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Incident Energy (MeV)

30-Zn-70

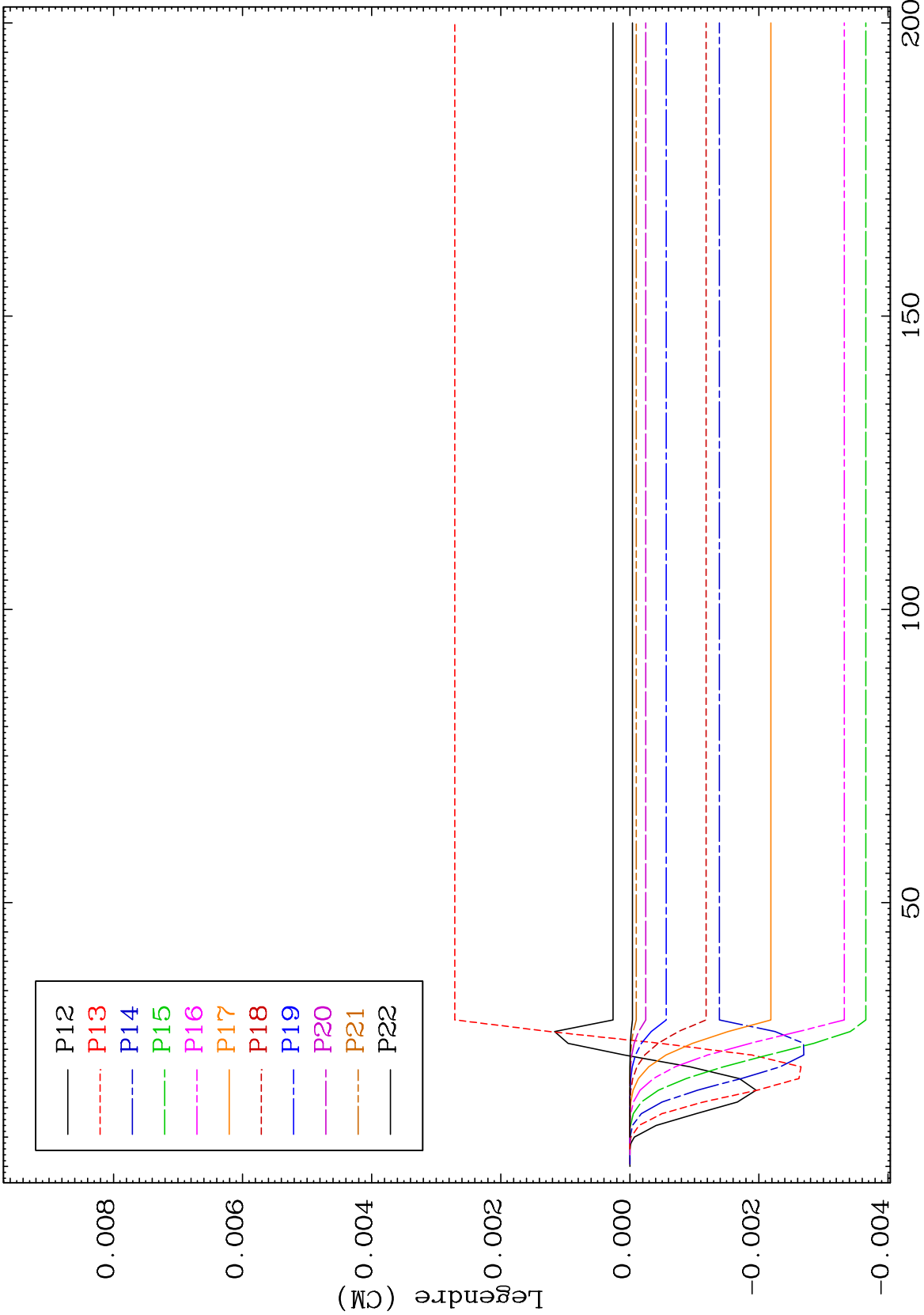




MAT 3043

3.342 MeV (n,n') Level  
Legendre Coefficients

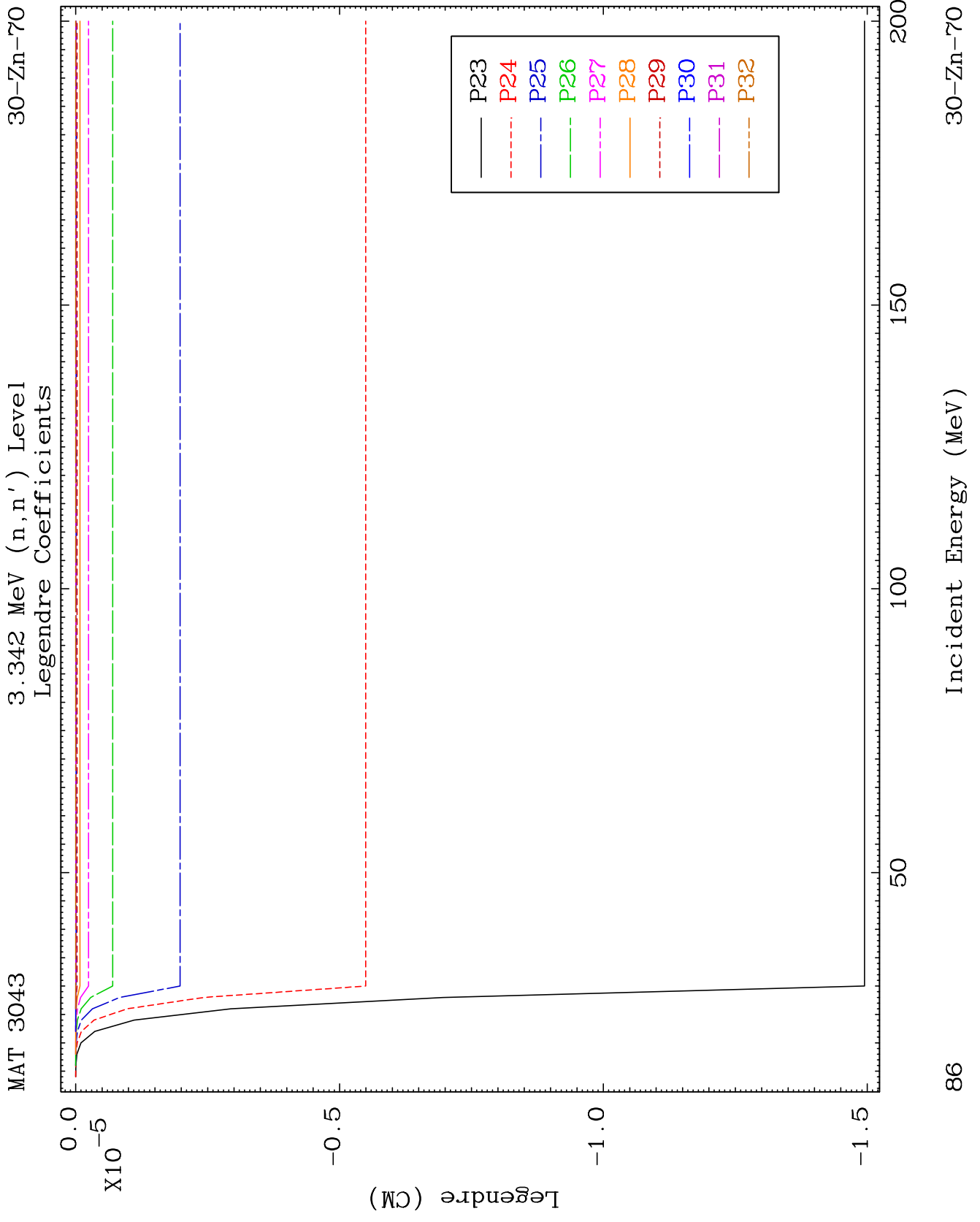
30-Zn-70

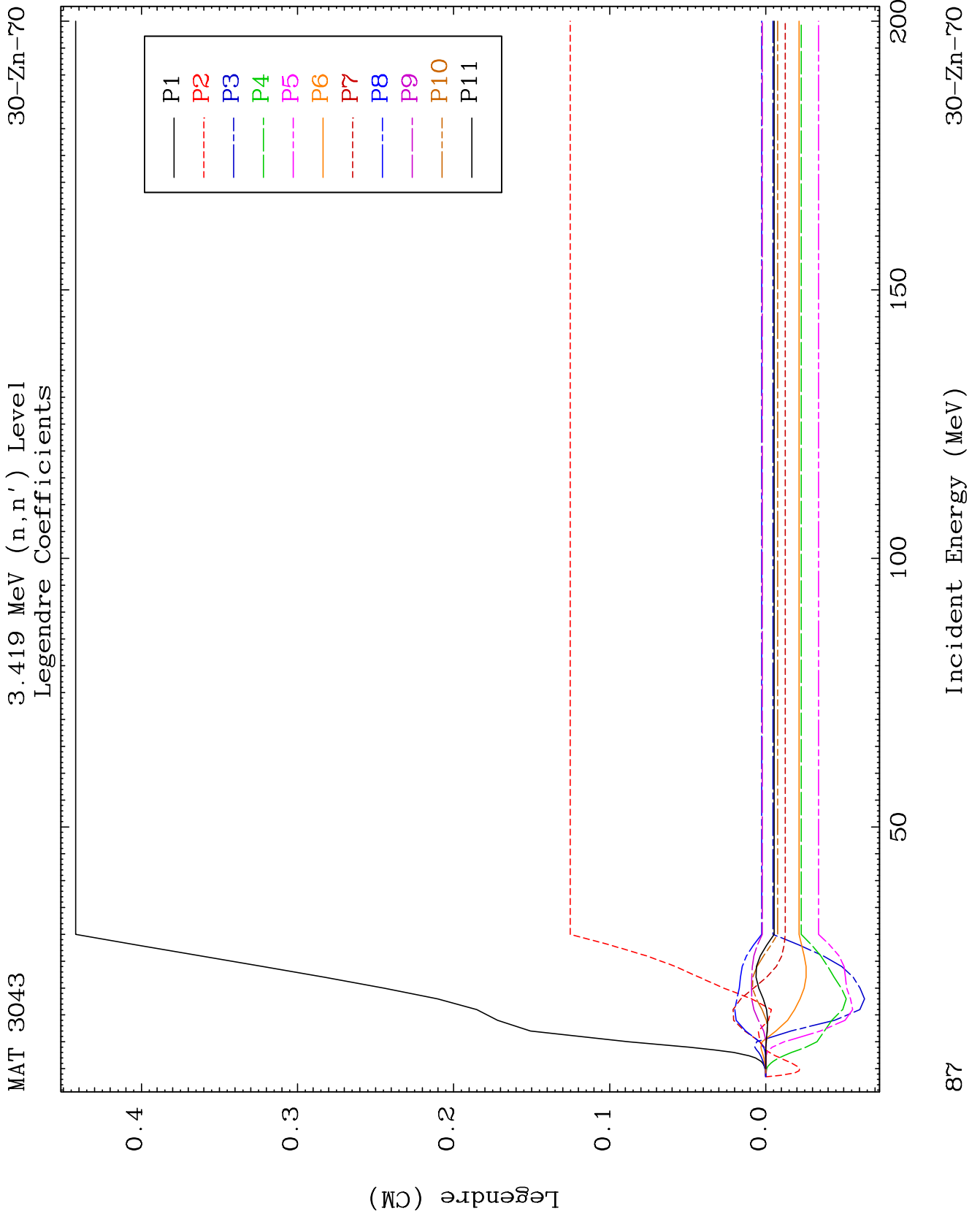


85

Incident Energy (MeV)

30-Zn-70



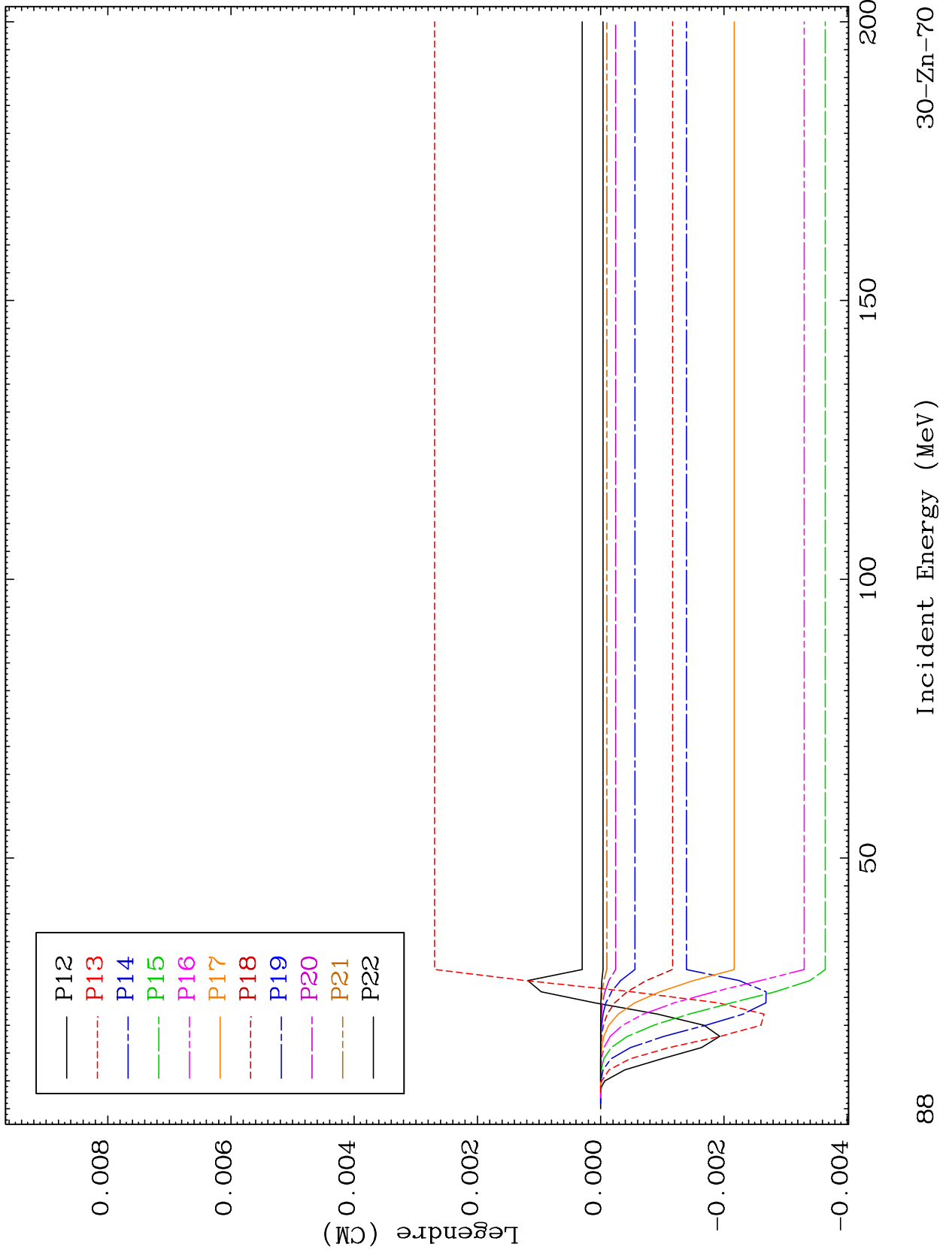


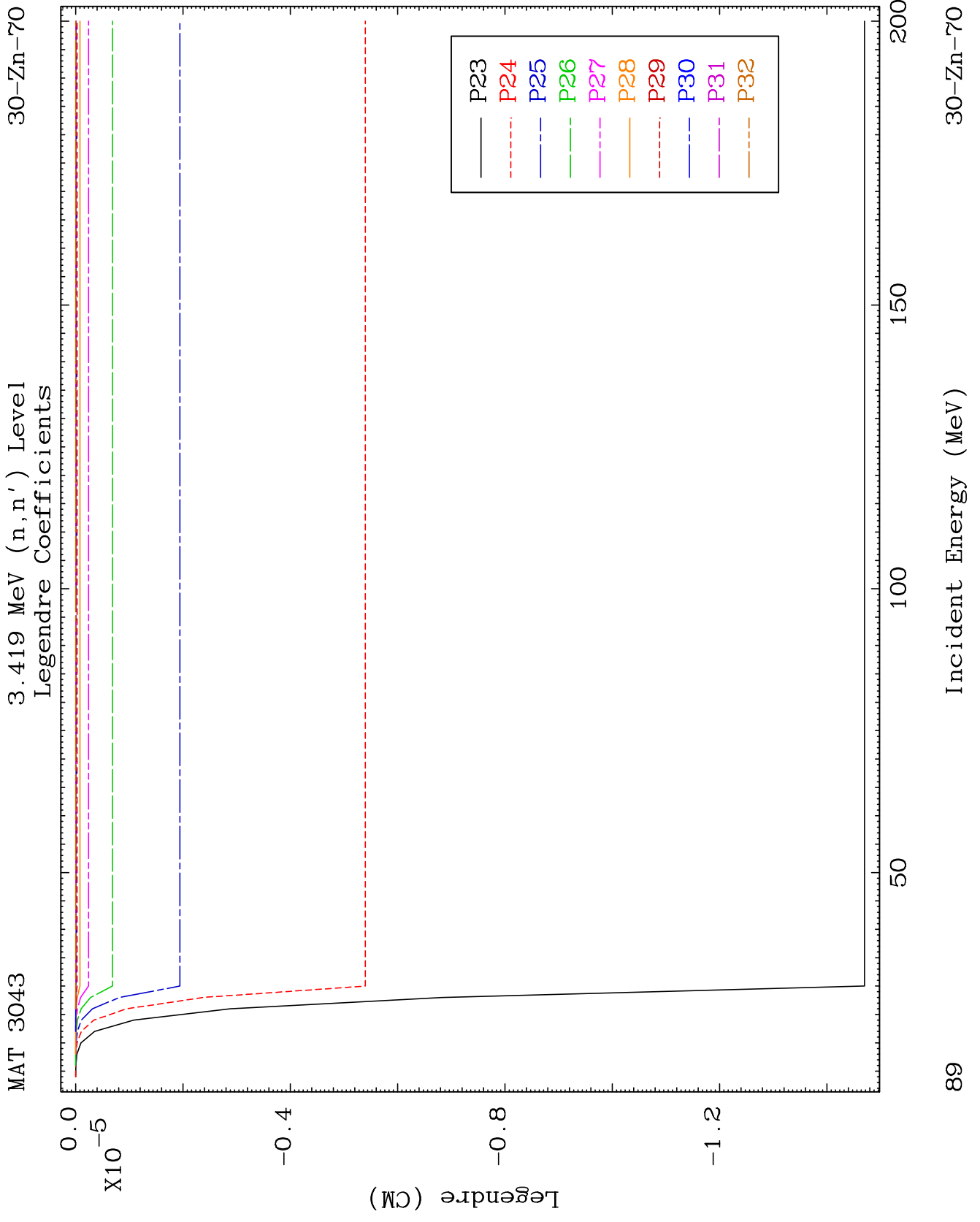


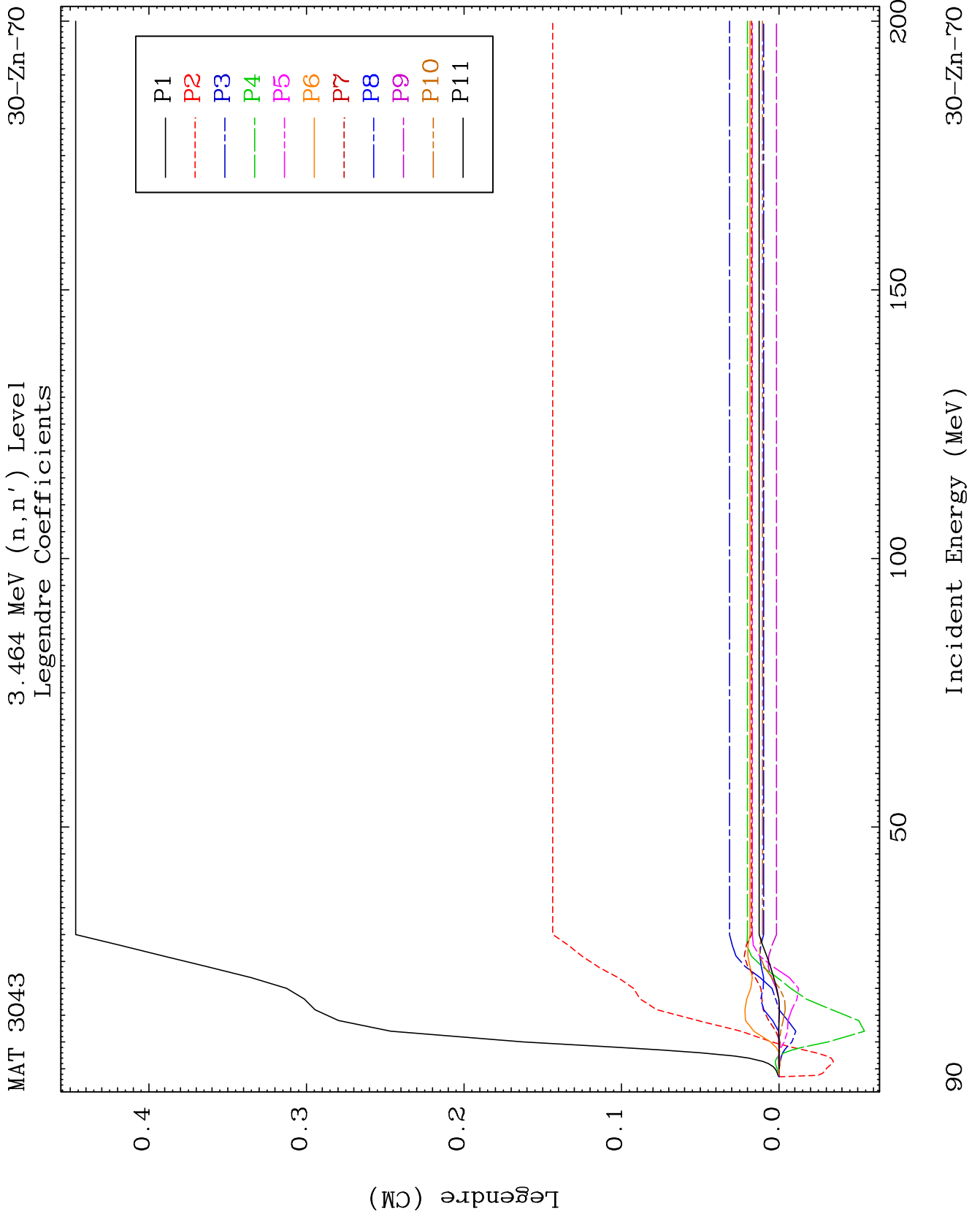
MAT 3043

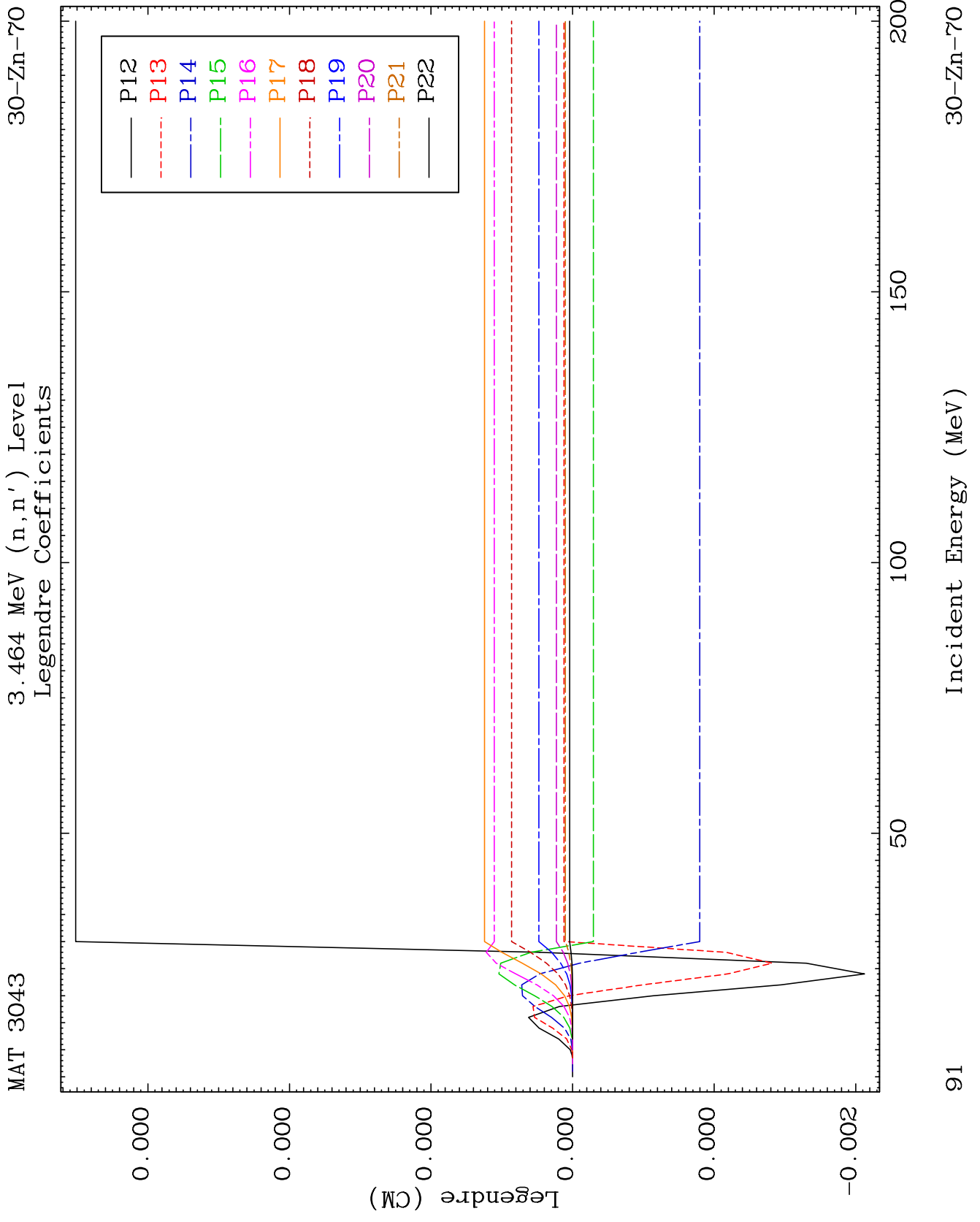
3.419 MeV (n, n') Level  
Legendre Coefficients

30-Zn-70



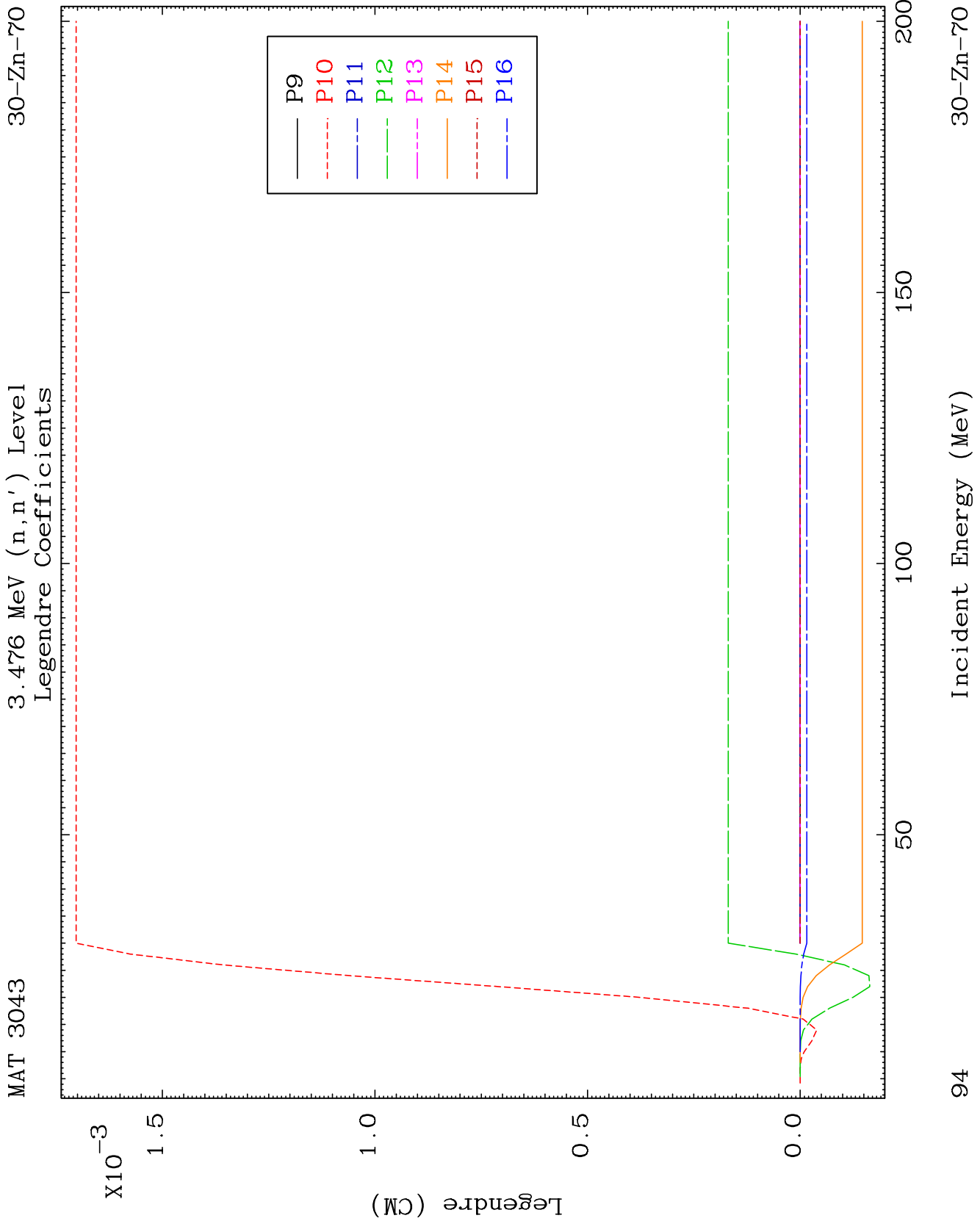


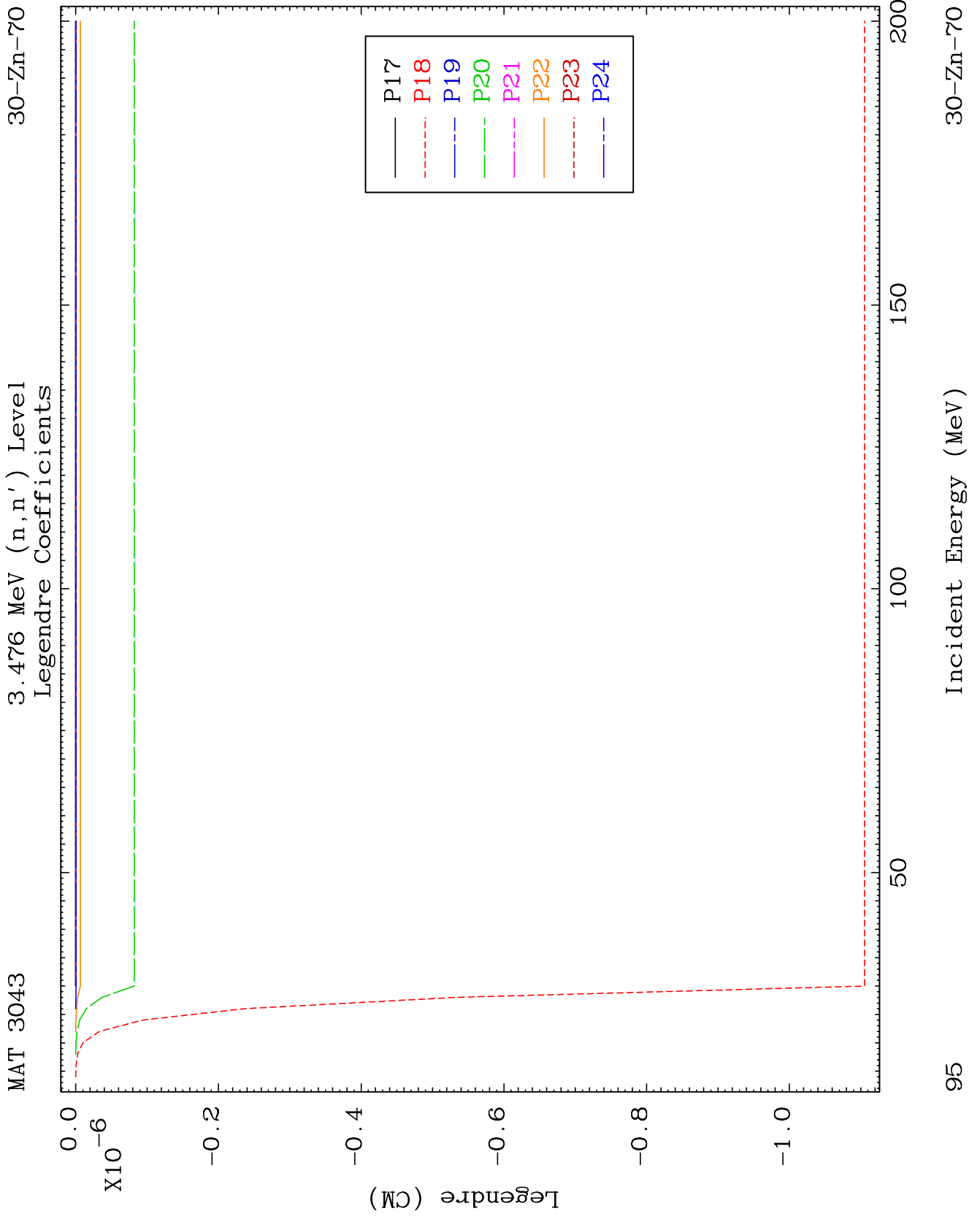




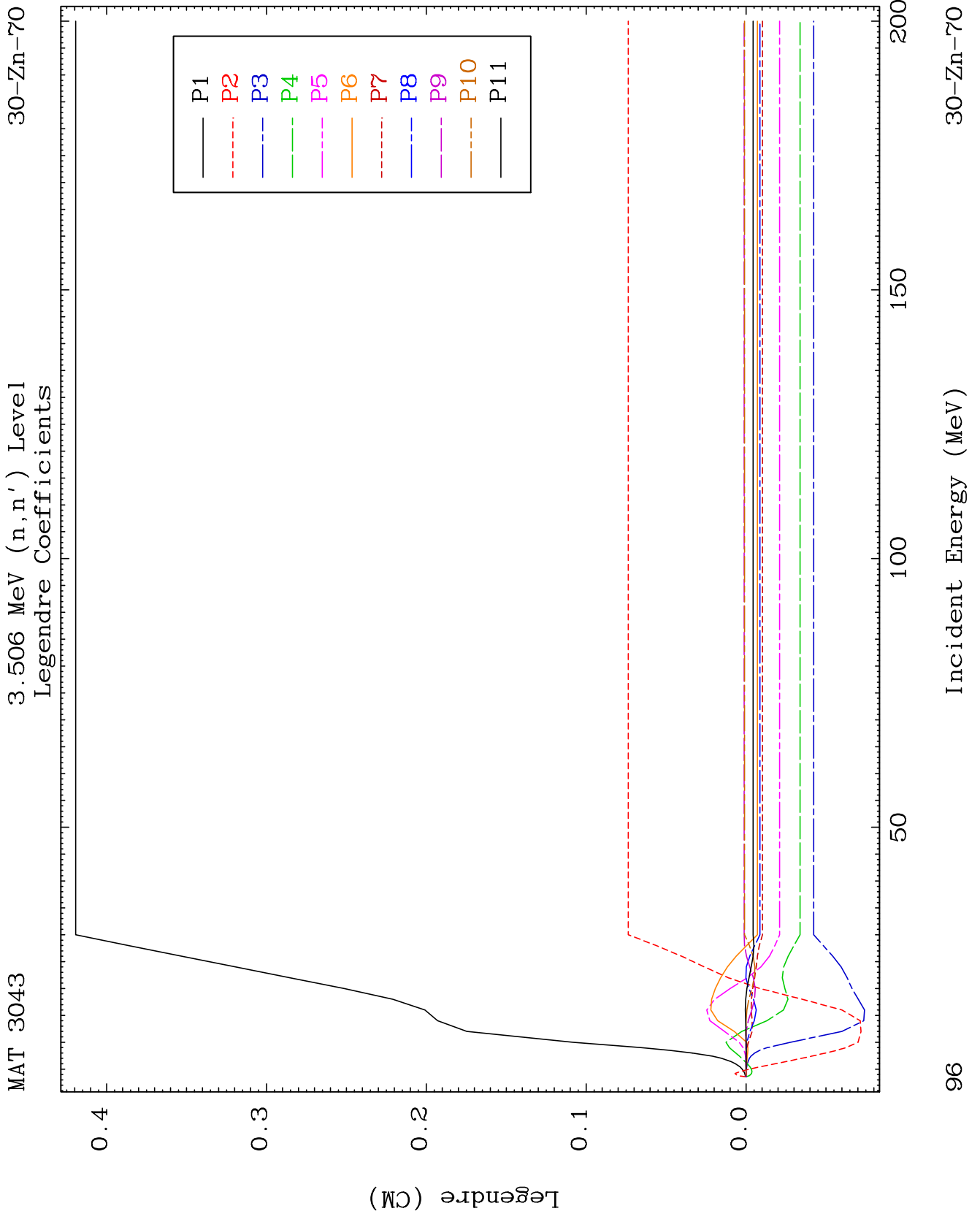








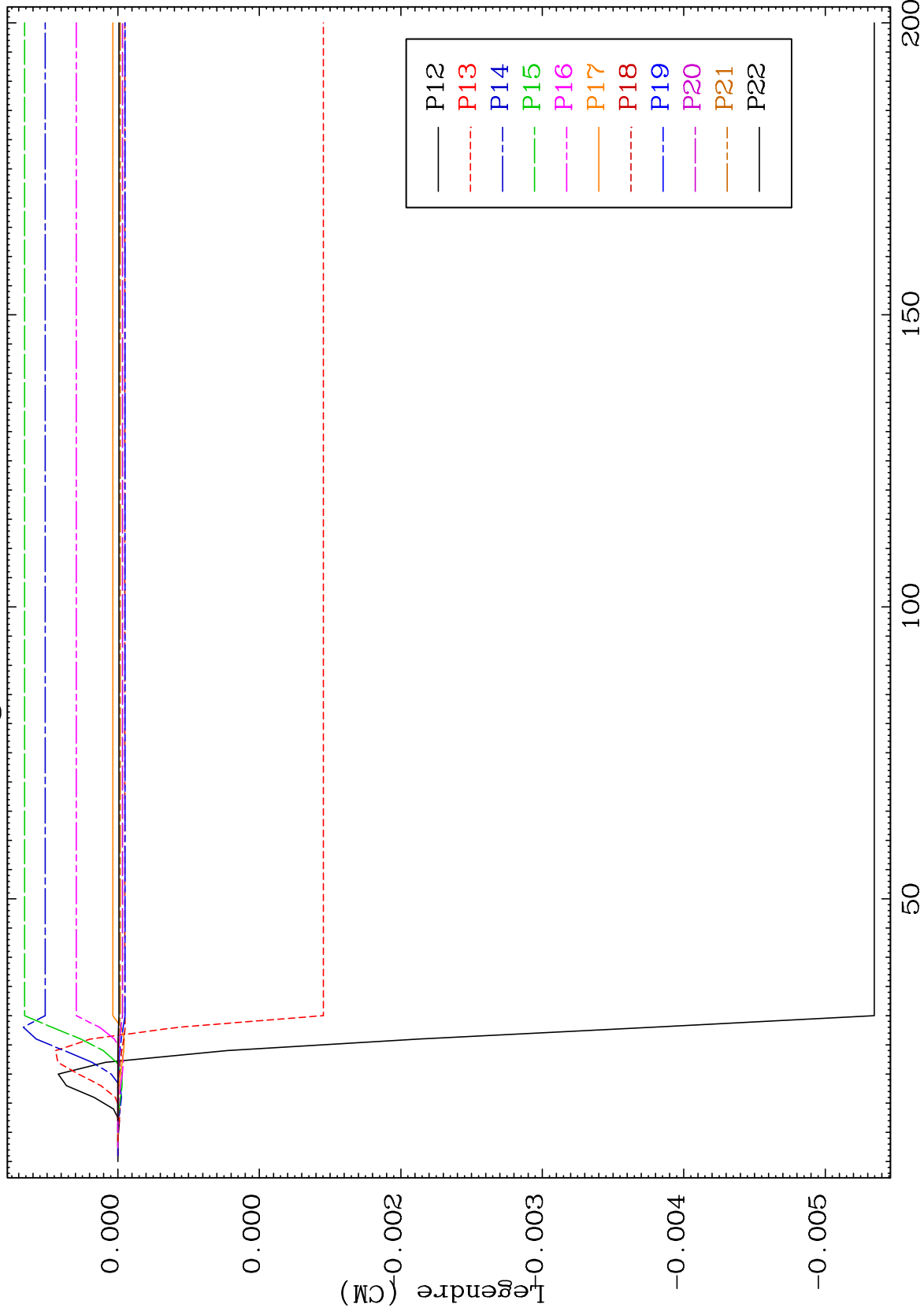




MAT 3043

3.506 MeV (n,n') Level  
Legendre Coefficients

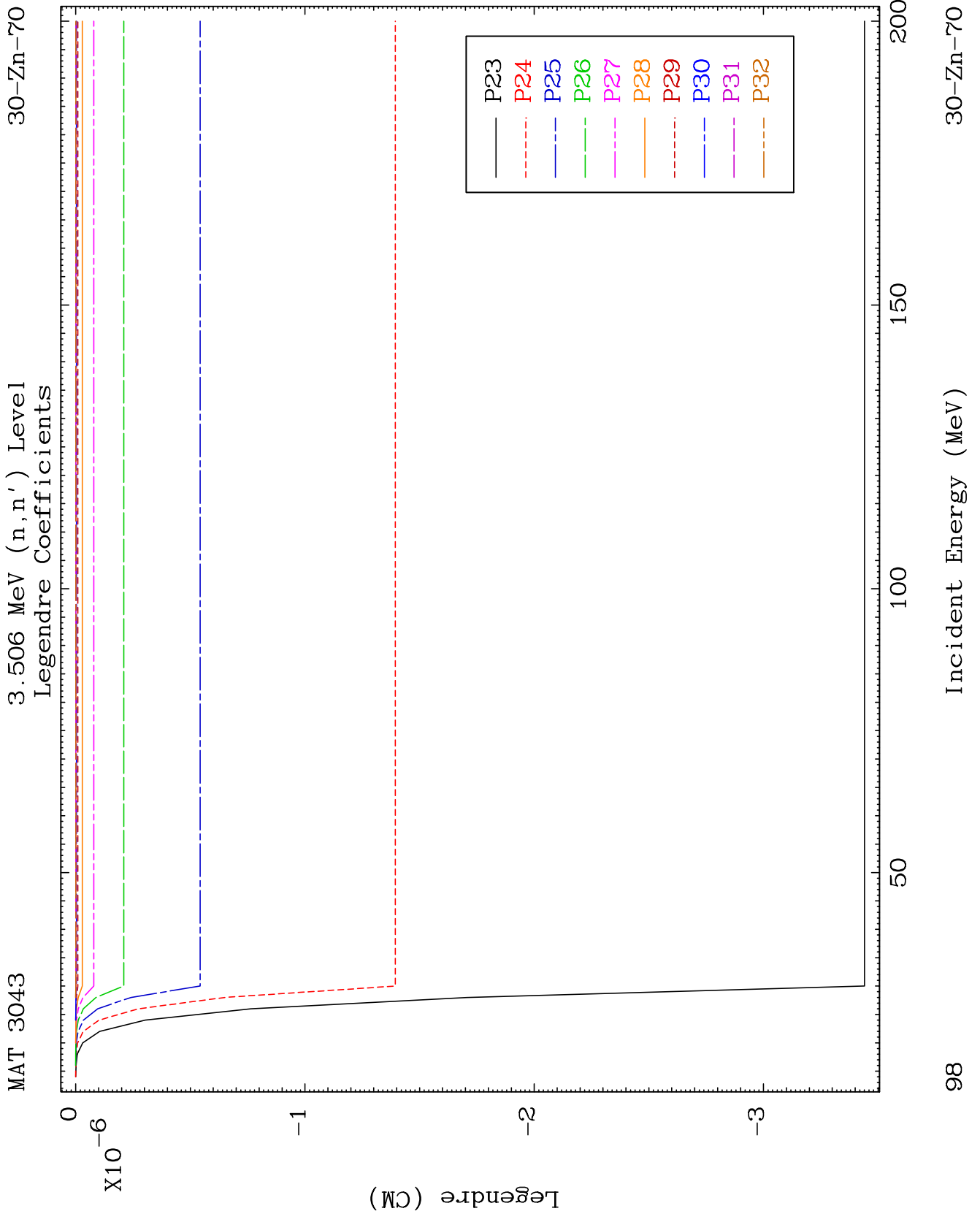
30-Zn-70



97

Incident Energy (MeV)

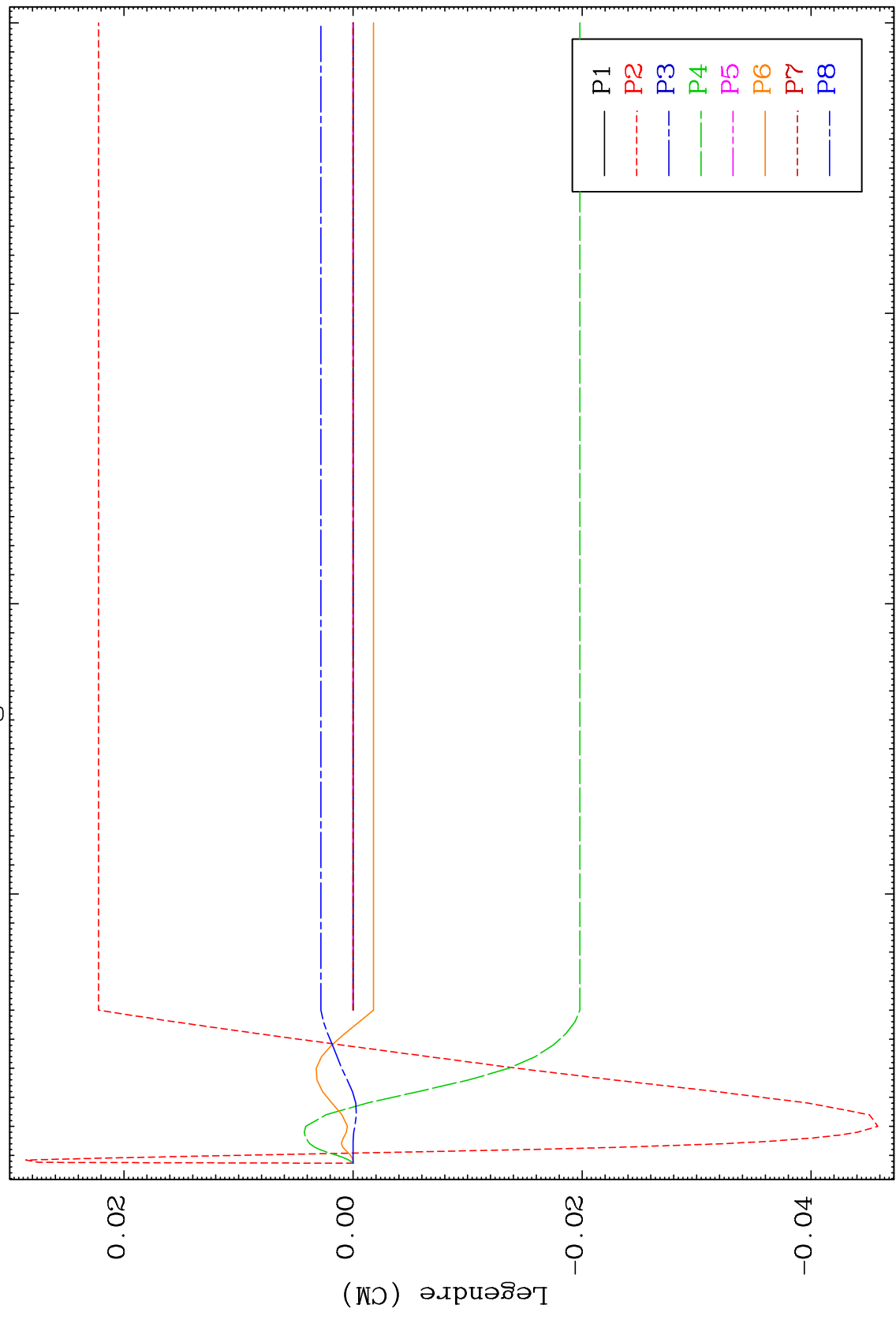
30-Zn-70



MAT 3043

3.598 MeV (n,n') Level  
Legendre Coefficients

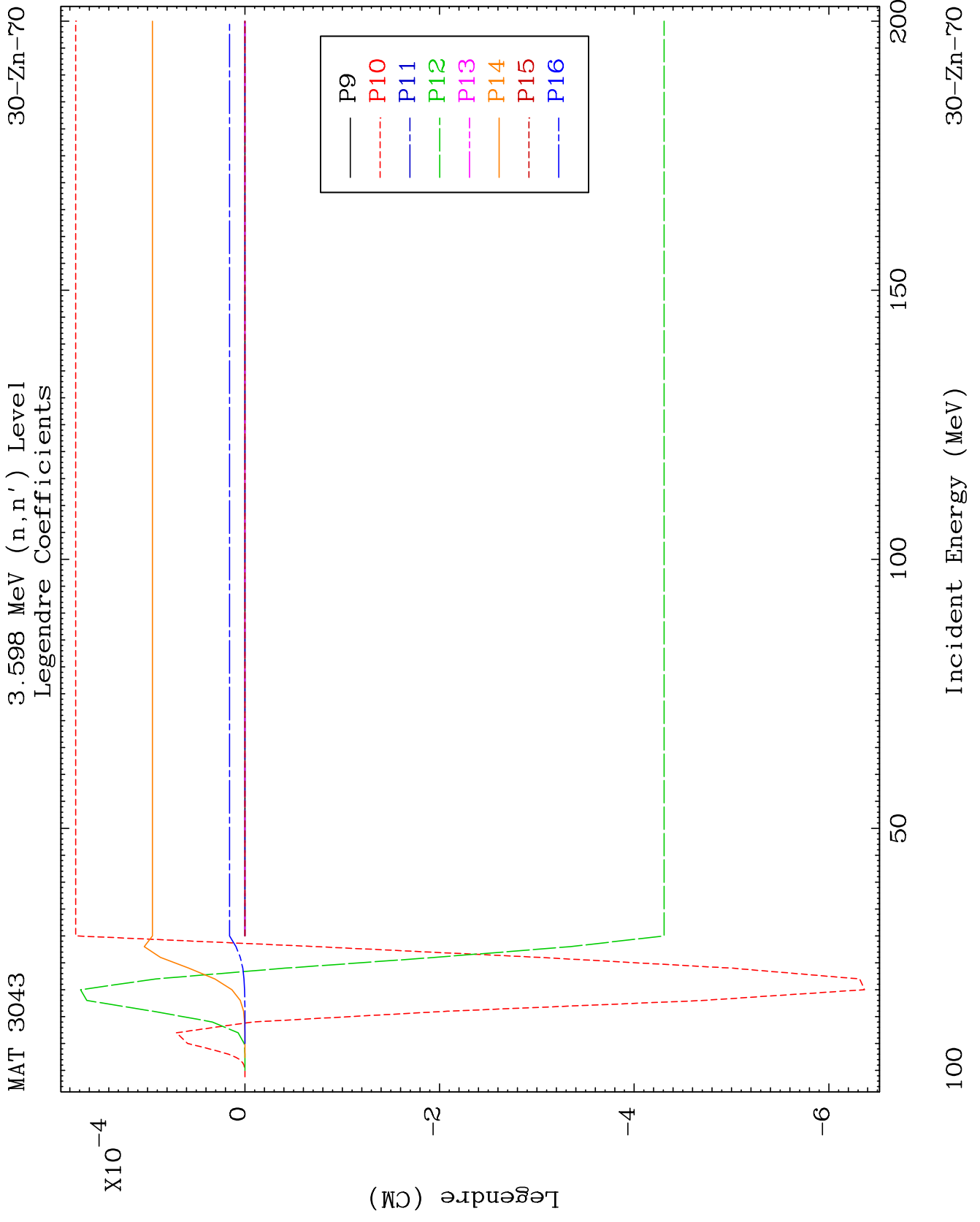
30-Zn-70

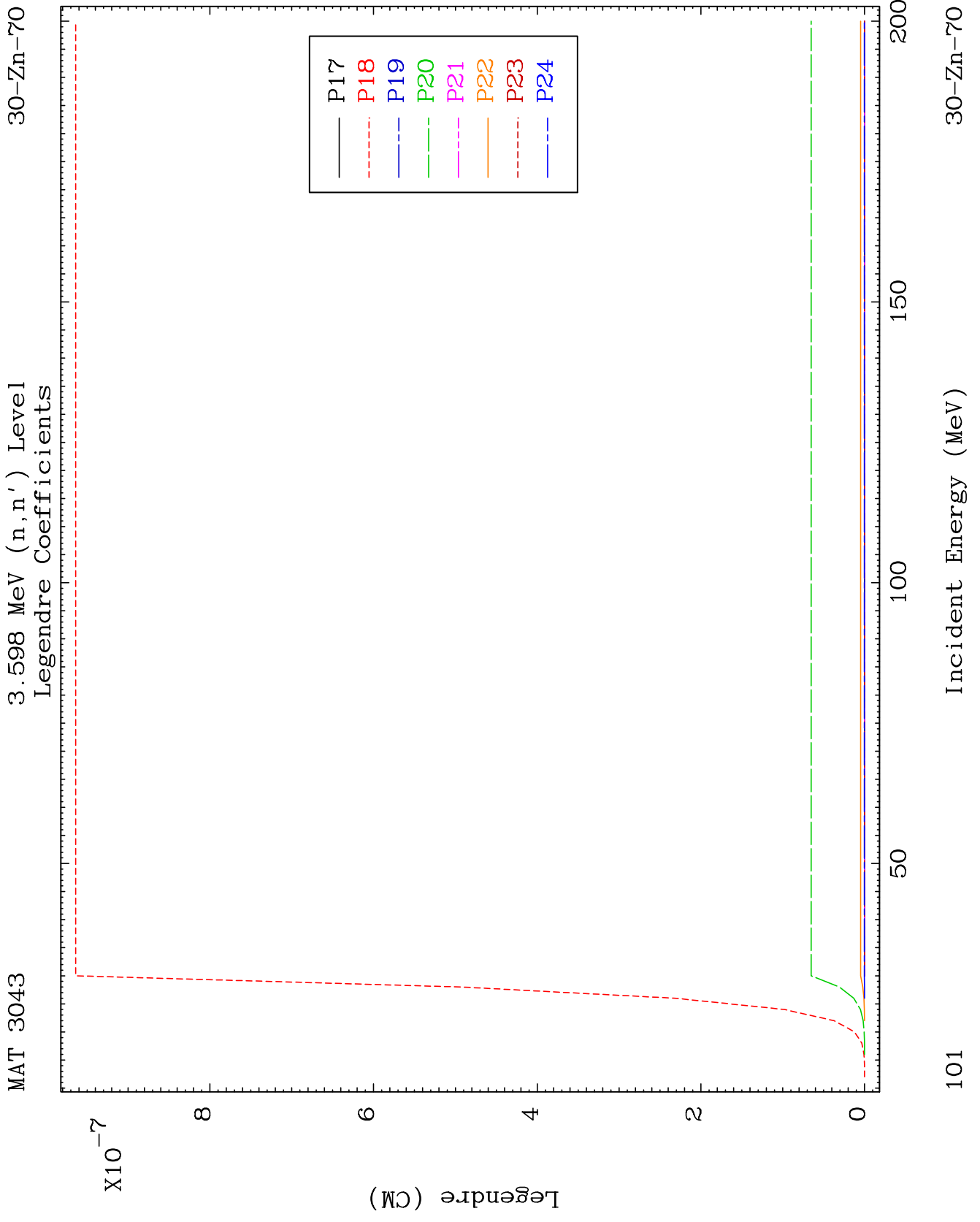


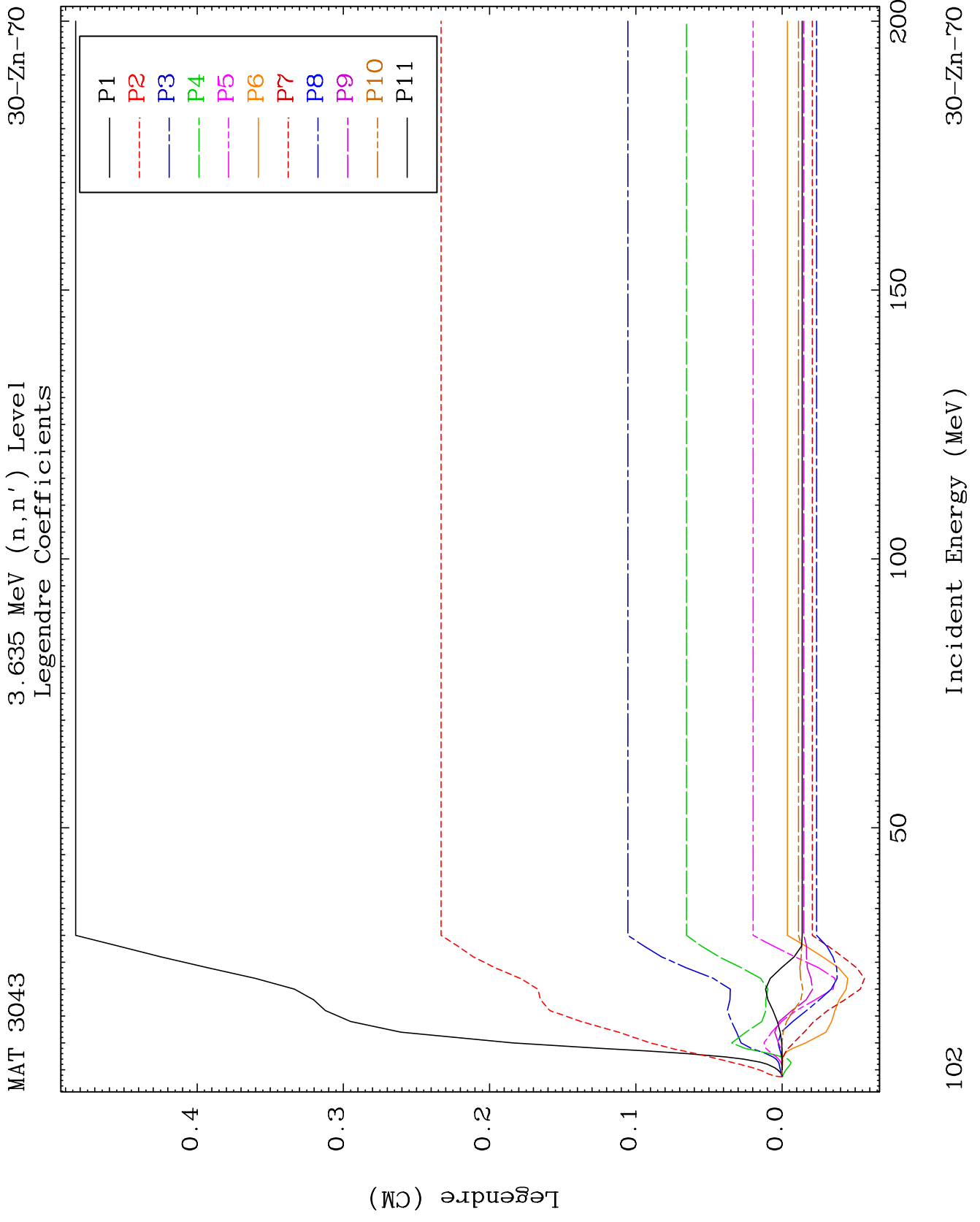
99

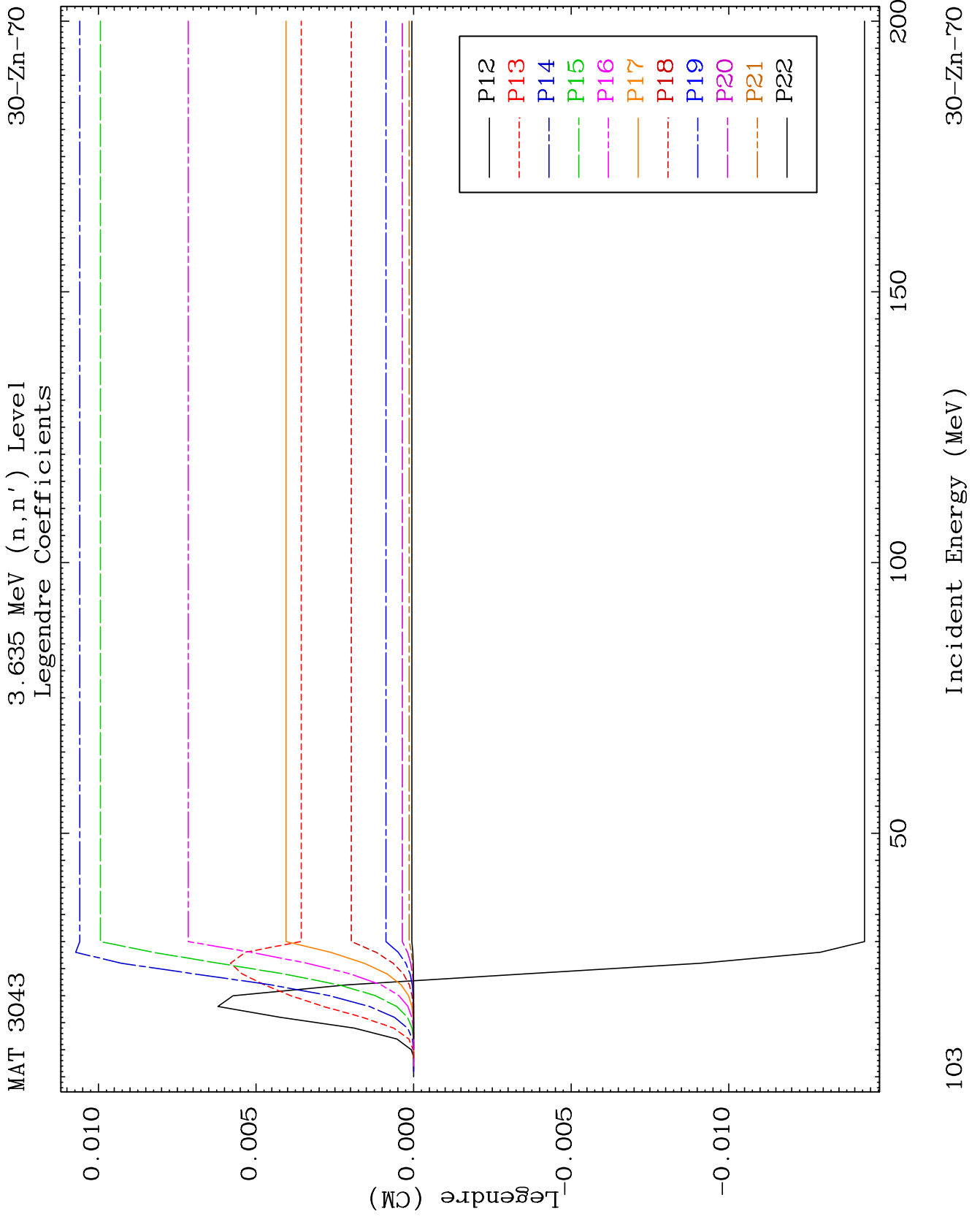
Incident Energy (MeV)

30-Zn-70

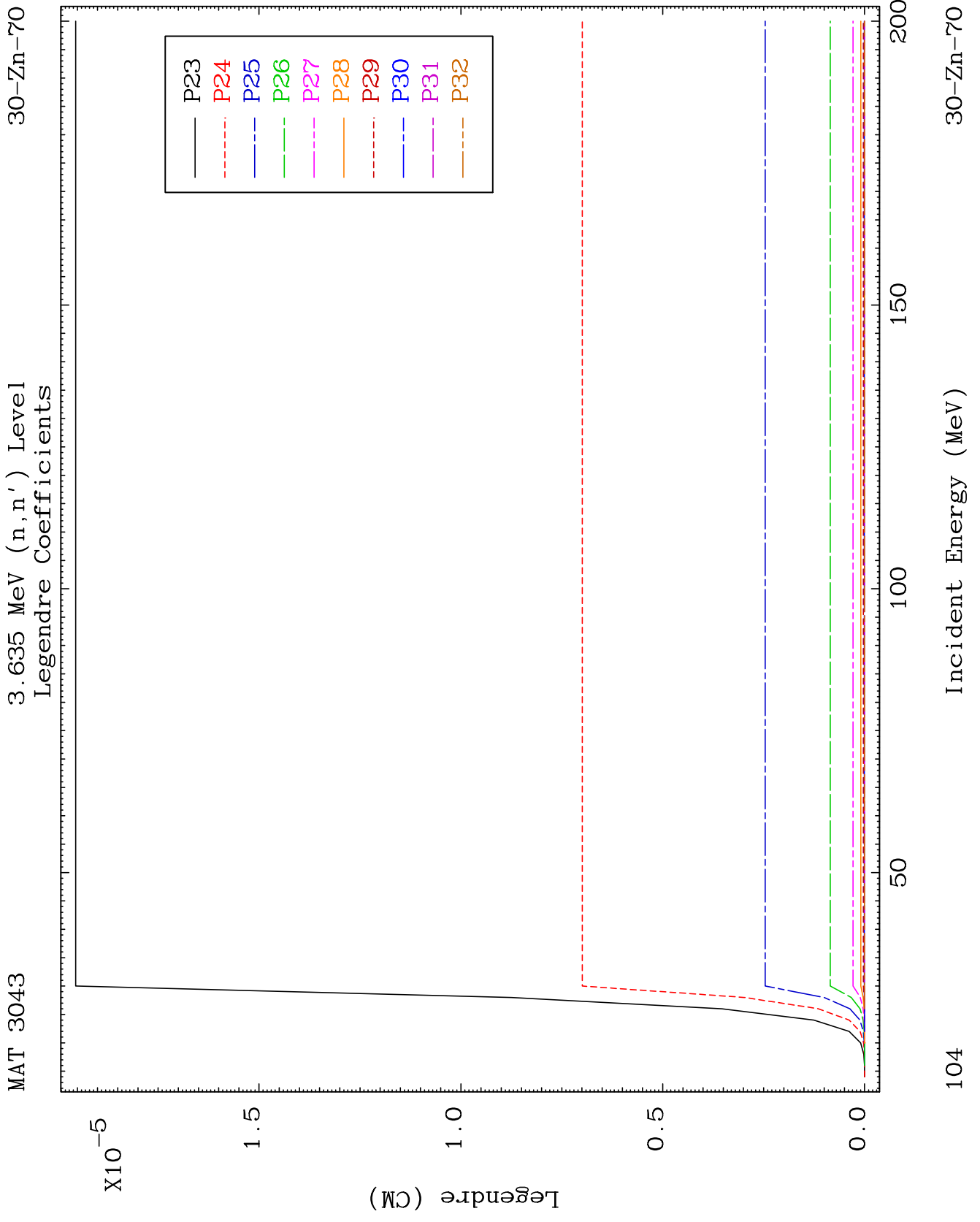










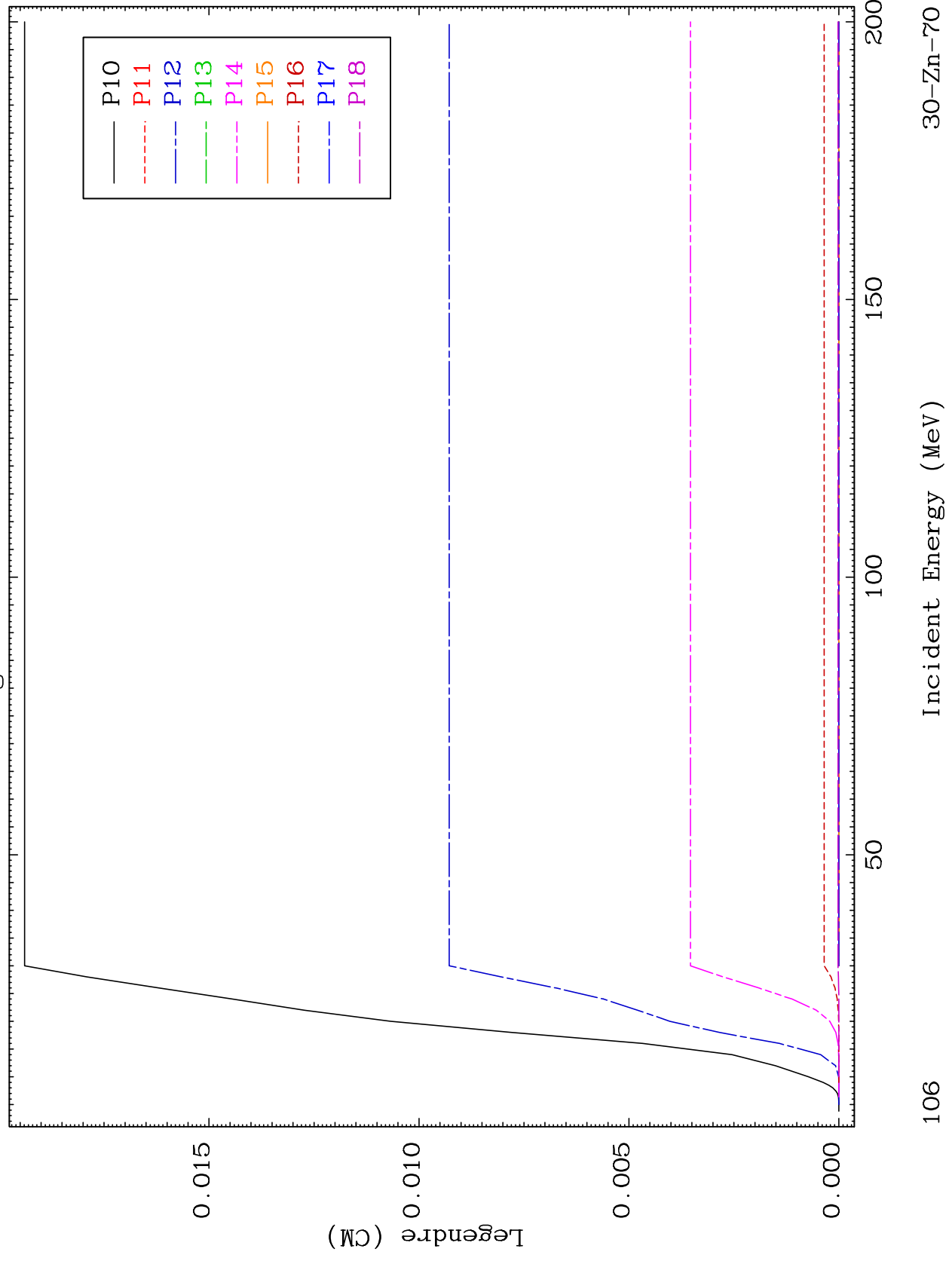




MAT 3043

3.680 MeV (n,n') Level  
Legendre Coefficients

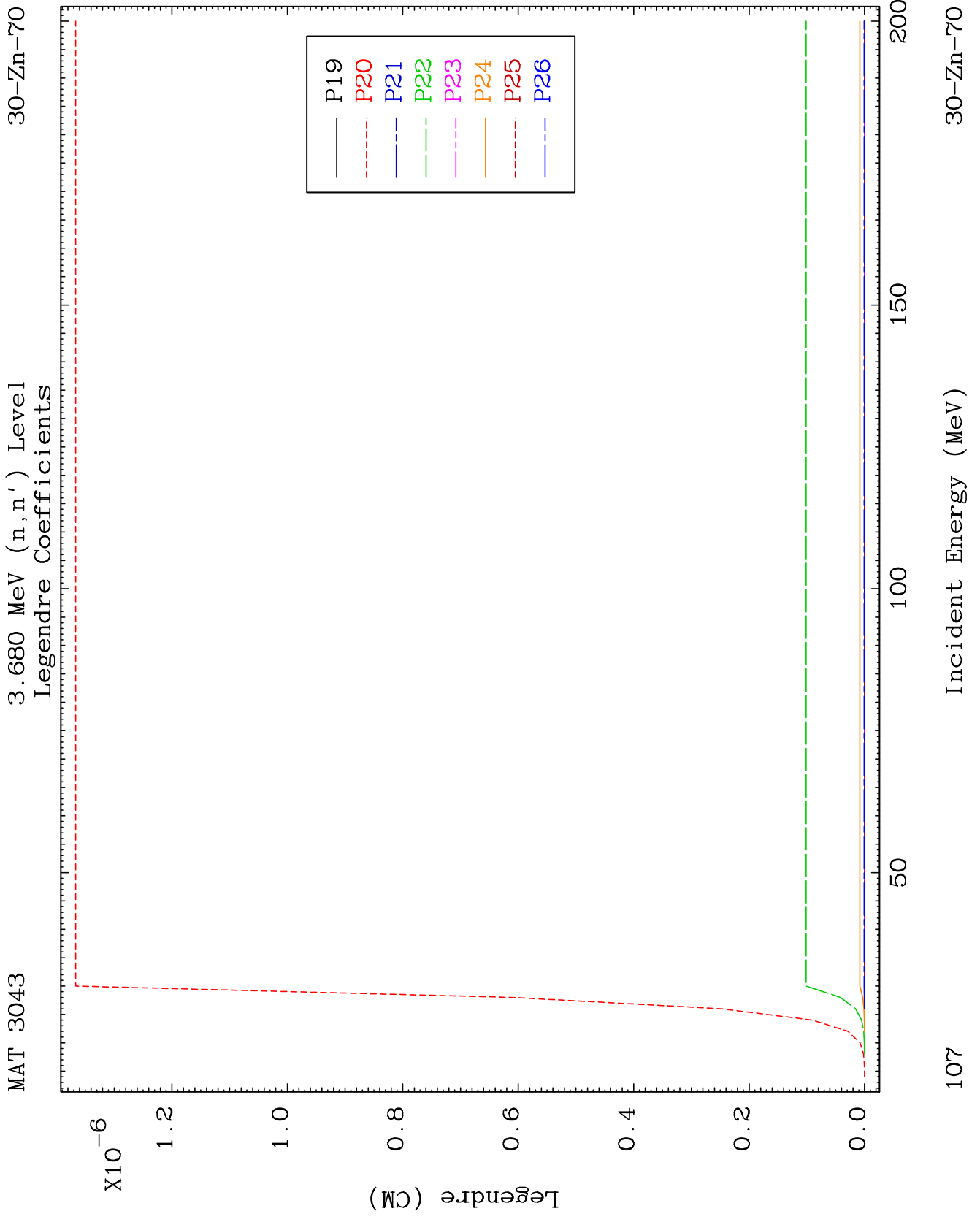
30-Zn-70

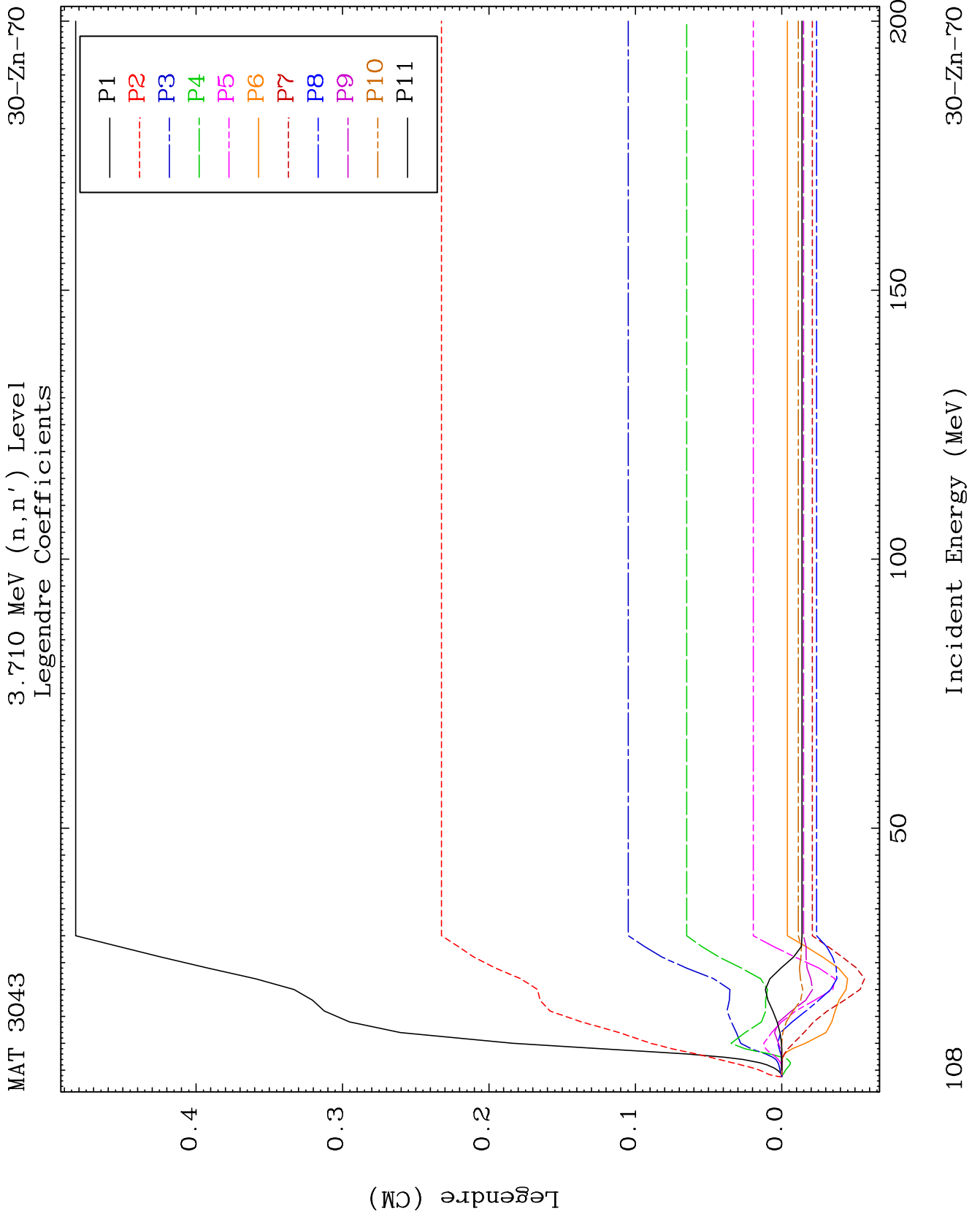


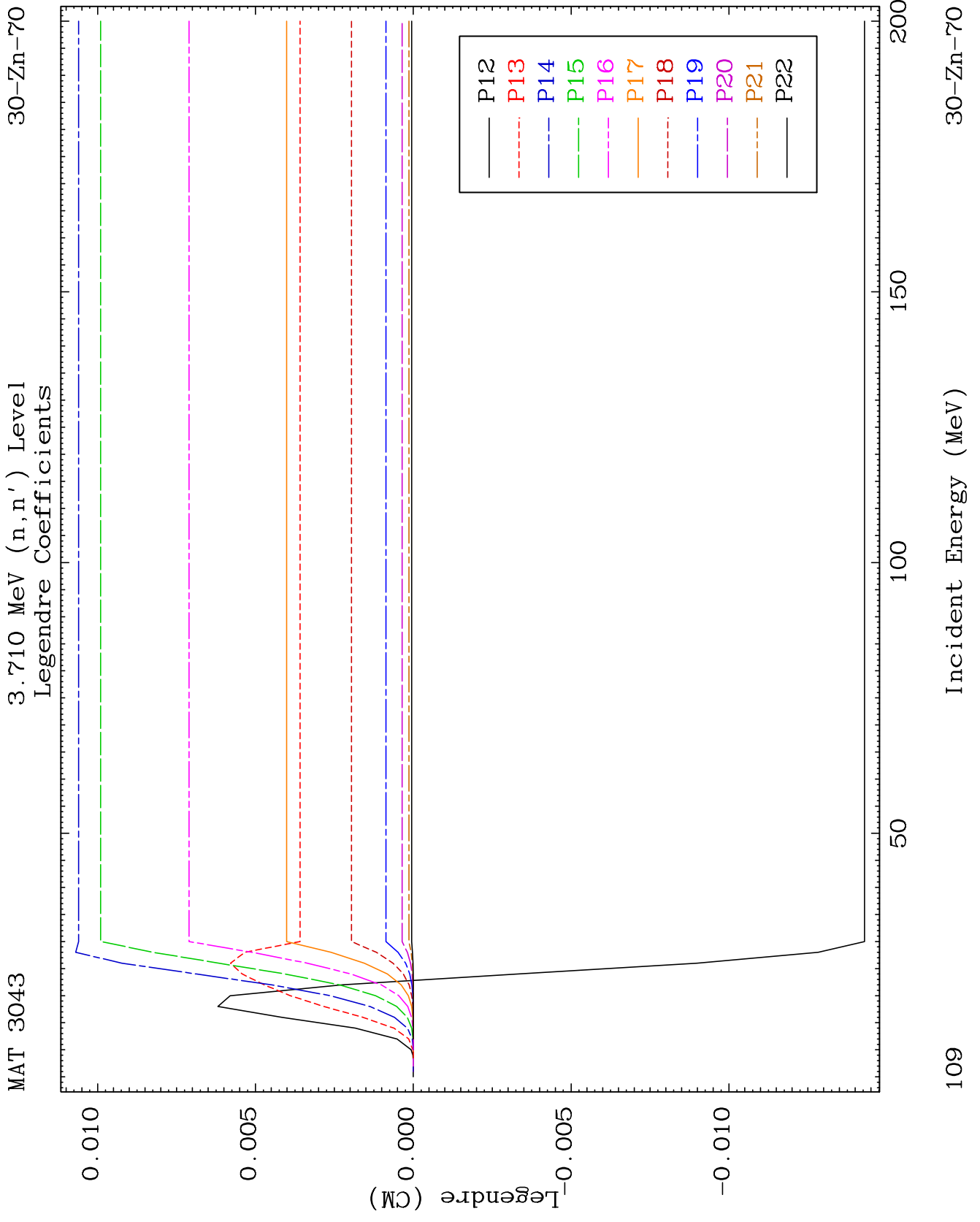
106

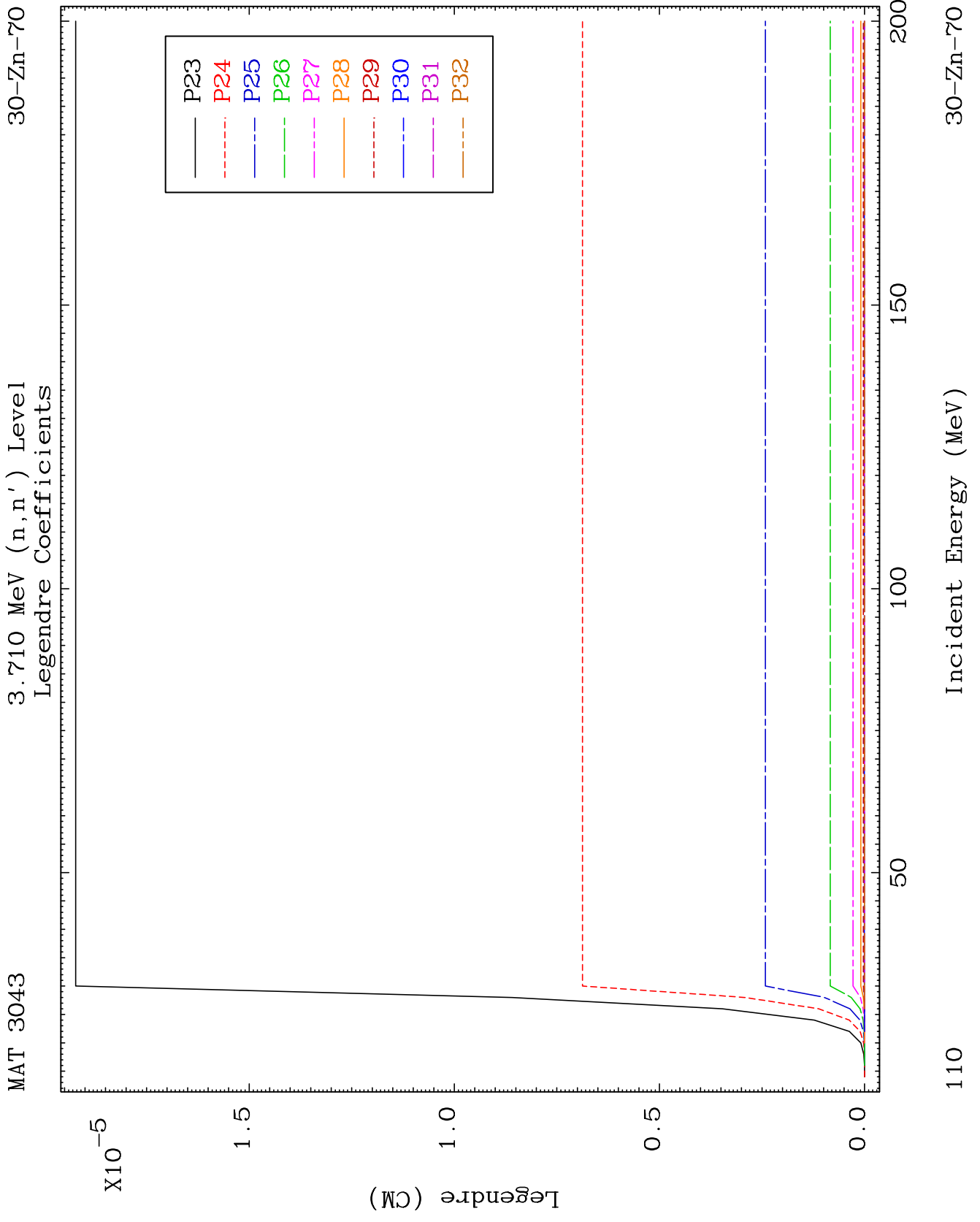
Incident Energy (MeV)

30-Zn-70







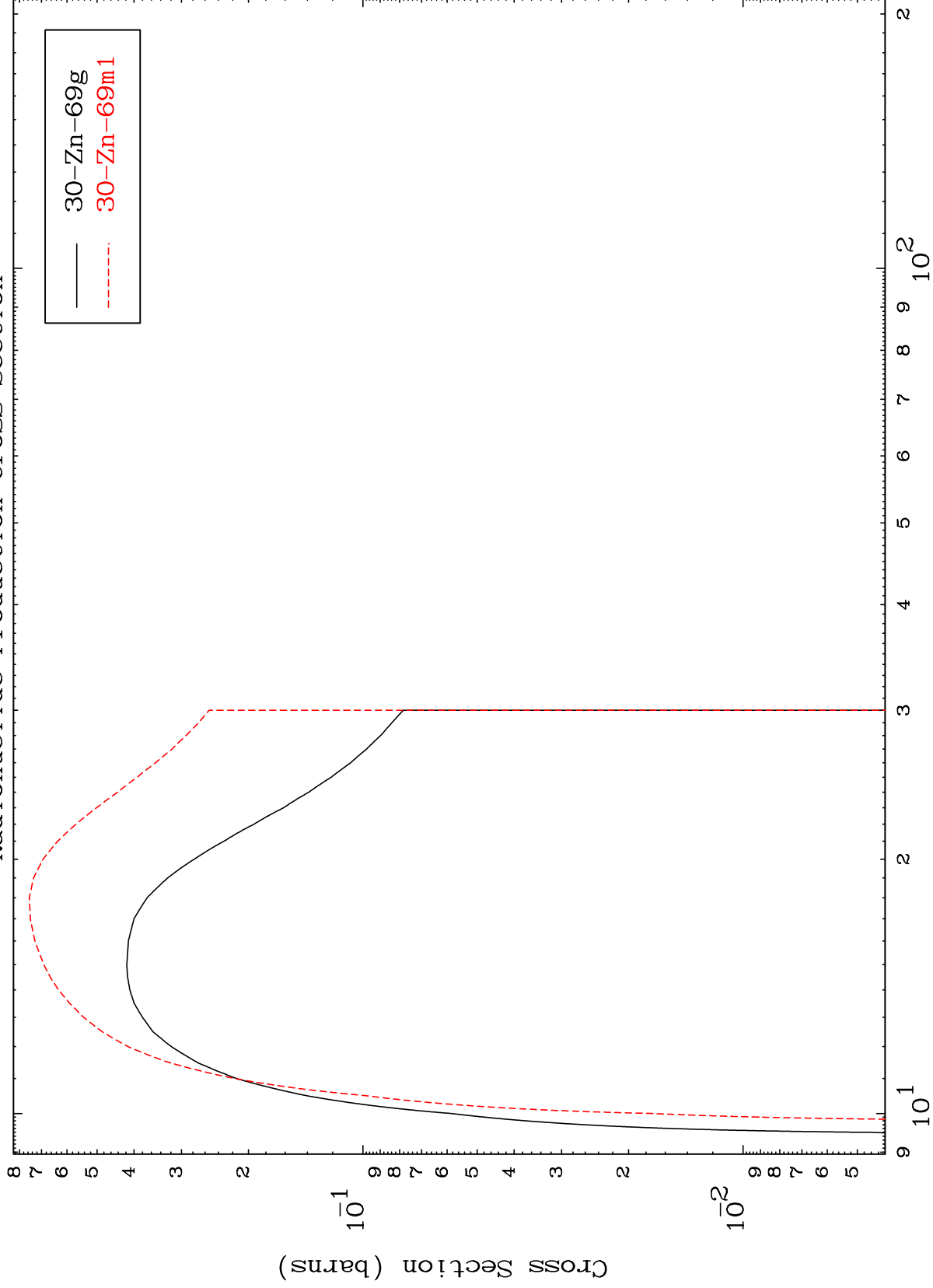


MAT 3043

(n,2n)

30-Zn-70

Radionuclide Production Cross Section



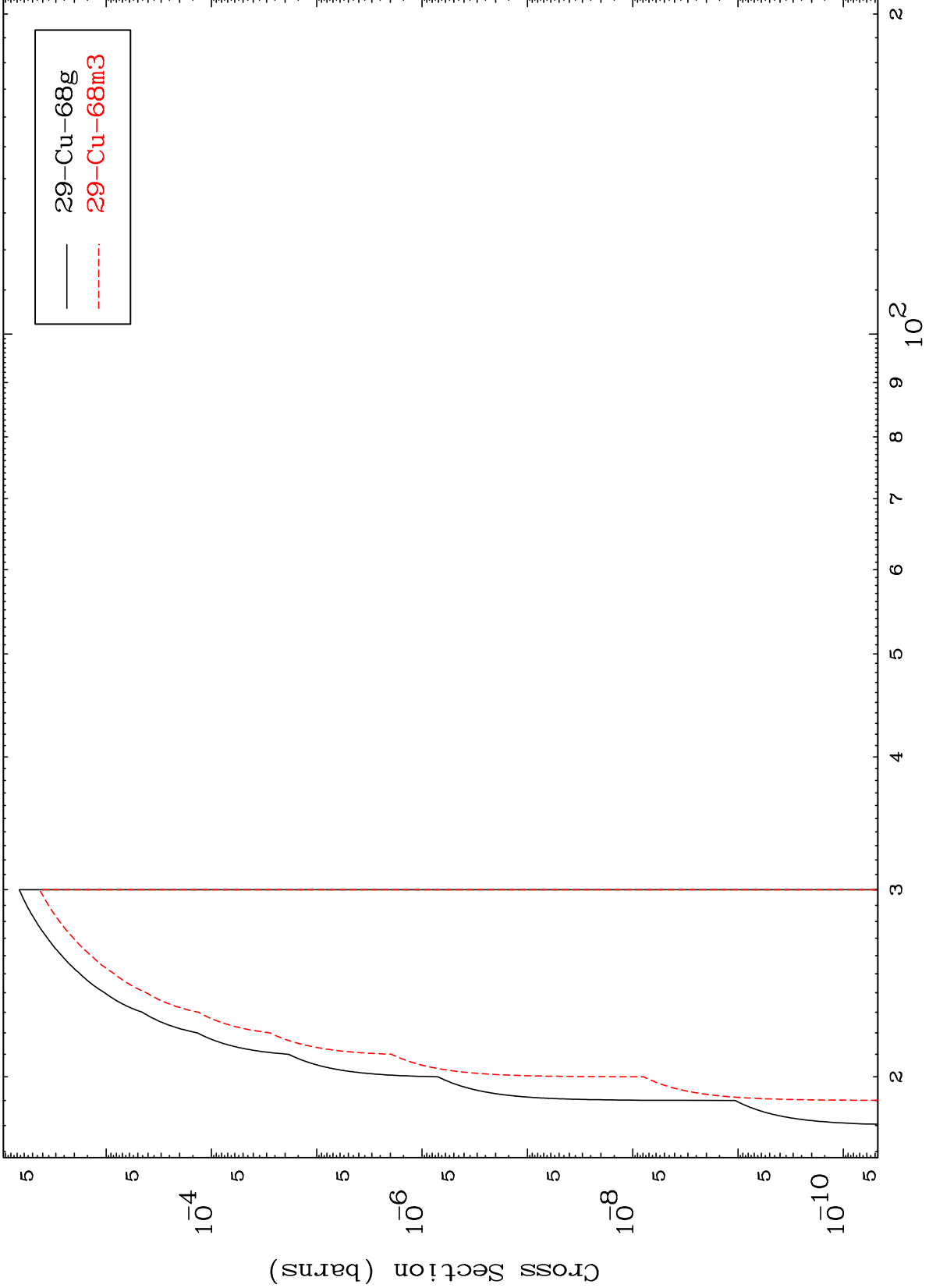
111

Incident Energy (MeV)

30-Zn-70



Radionuclide Production Cross Section

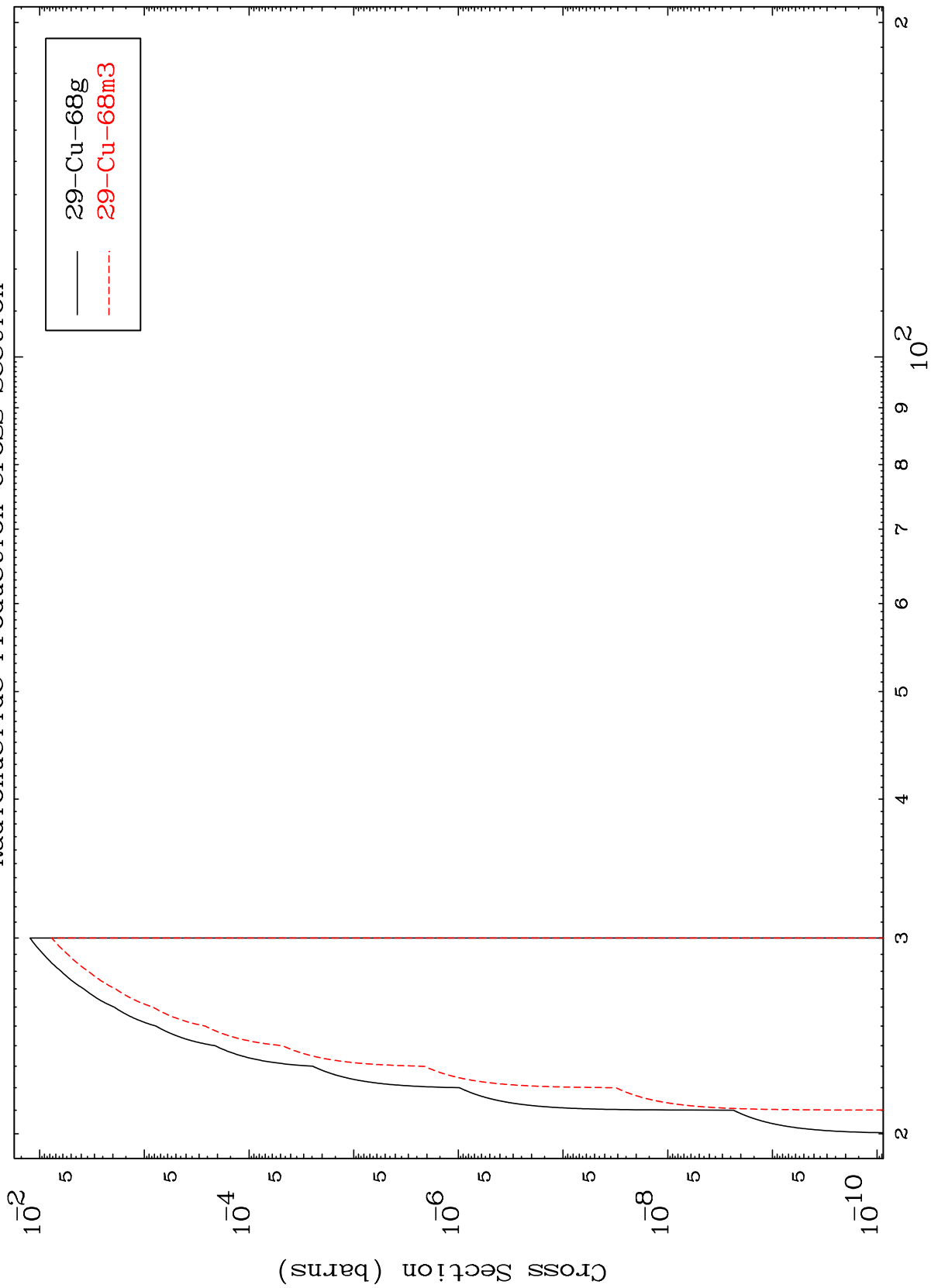


MAT 3043

(n,2n) p

30-Zn-70

Radionuclide Production Cross Section



113

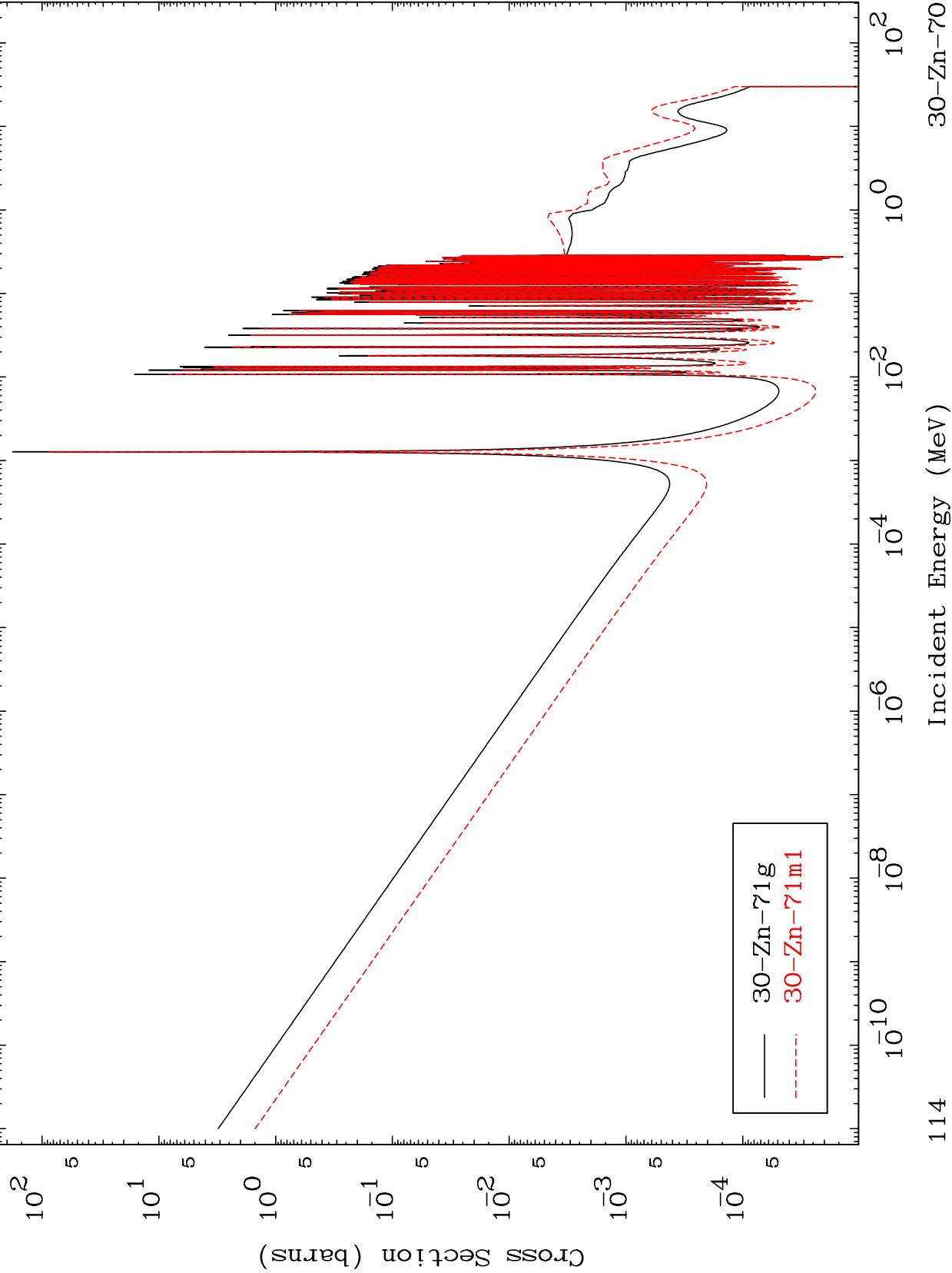
Incident Energy (MeV)

30-Zn-70

MAT 3043

30-Zn-70

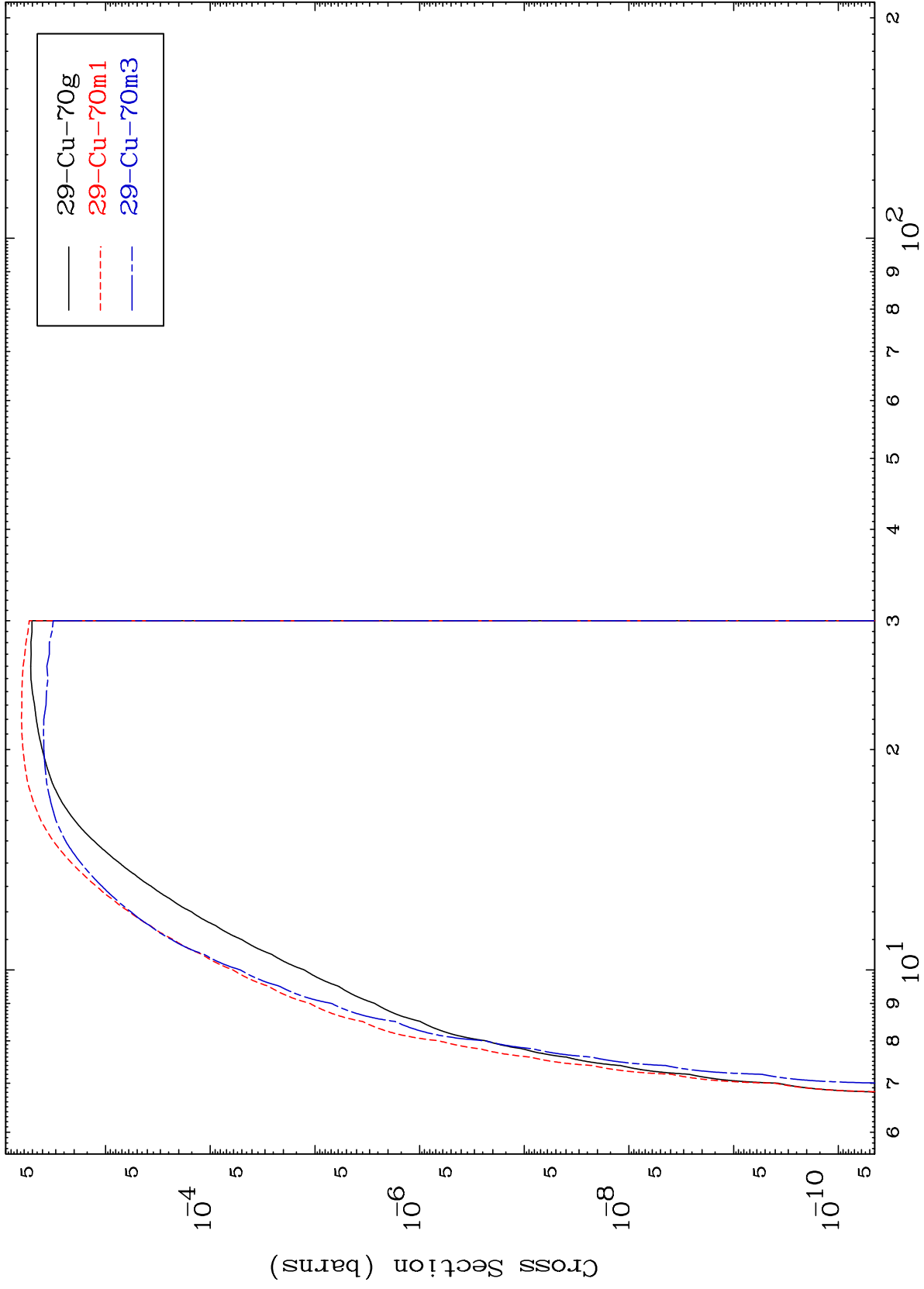
$(n, \gamma)$   
Radionuclide Production Cross Section



MAT 3043

30-Zn-70

(n,p)  
Radionuclide Production Cross Section



30-Zn-70

Incident Energy (MeV)

115

Radionuclide Production Cross Section

