

Program EVALPLOT  
(Version 2021-1)

by

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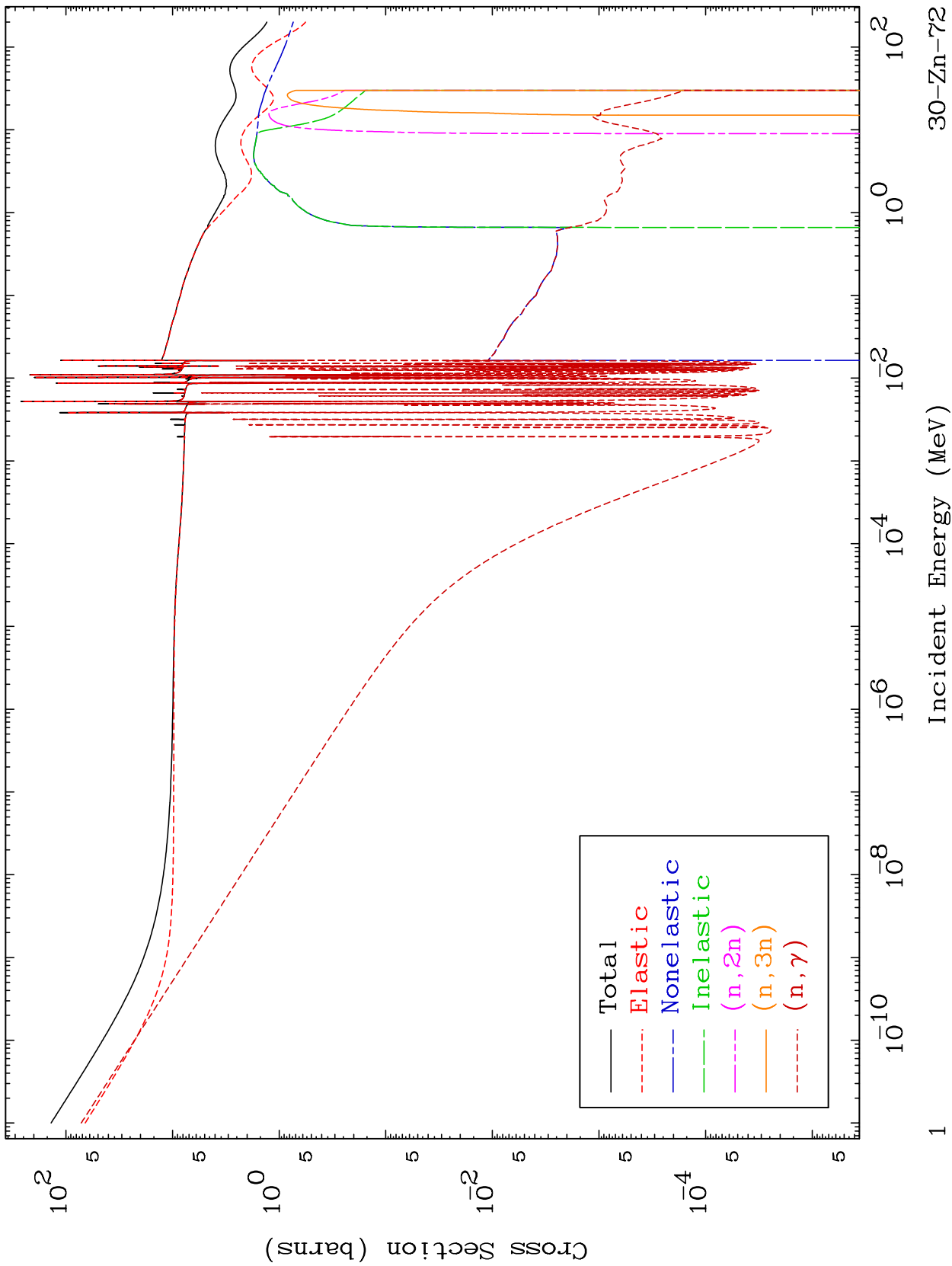
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3049

Neutron Major  
293 Kelvin Cross Sections

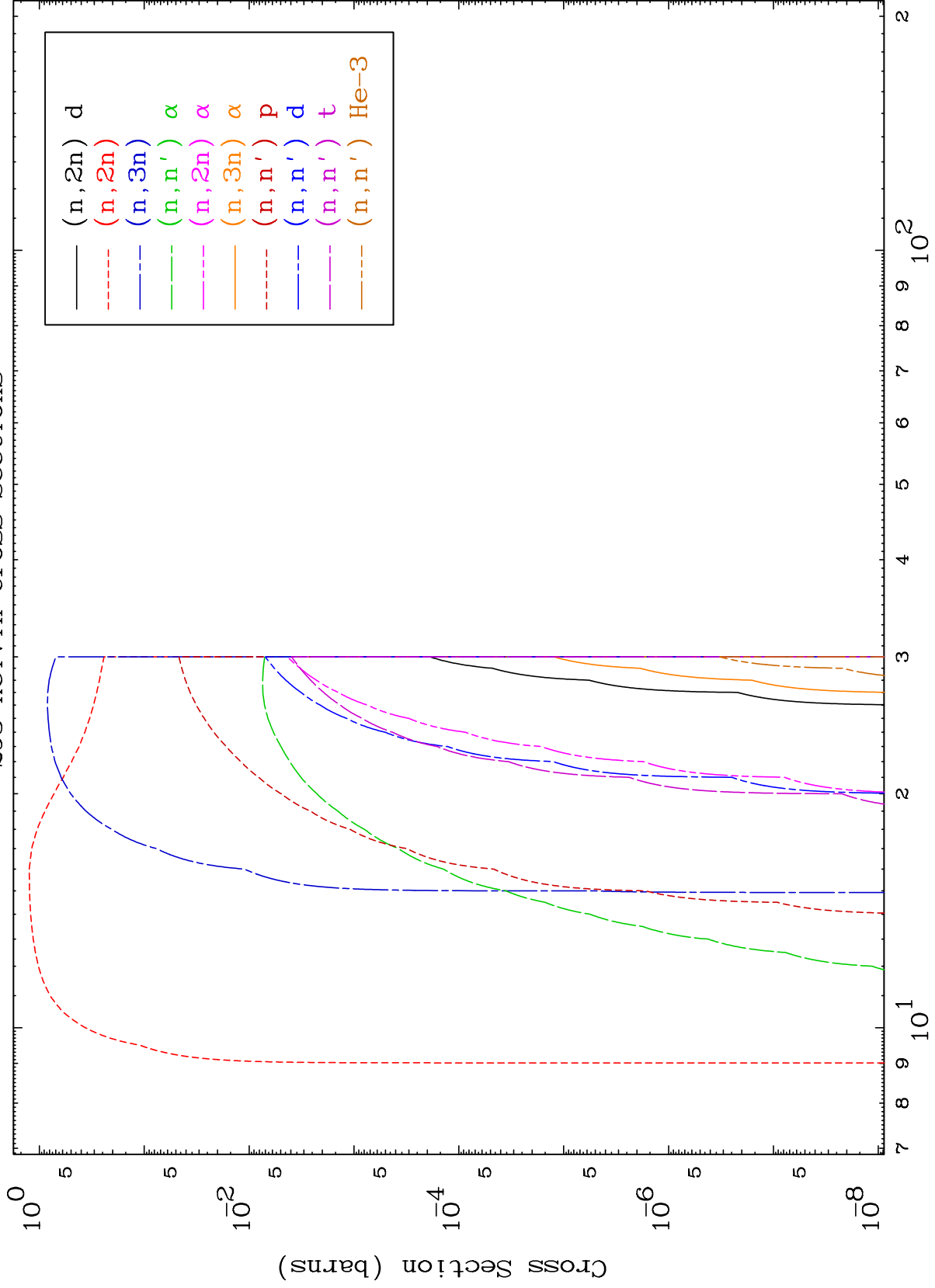
30-Zn-72



MAT 3049

Neutron Absorption  
293 Kelvin Cross Sections

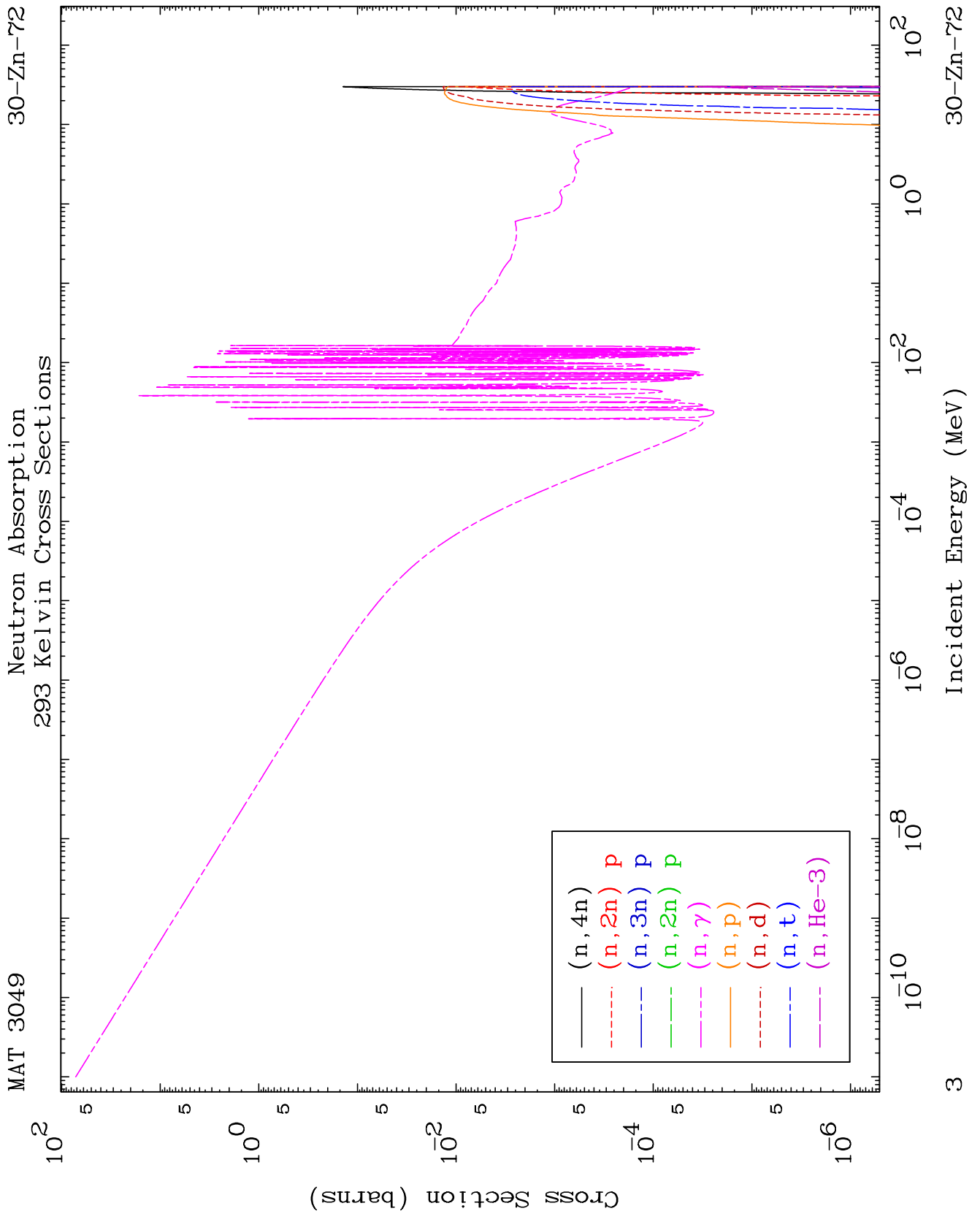
30-Zn-72

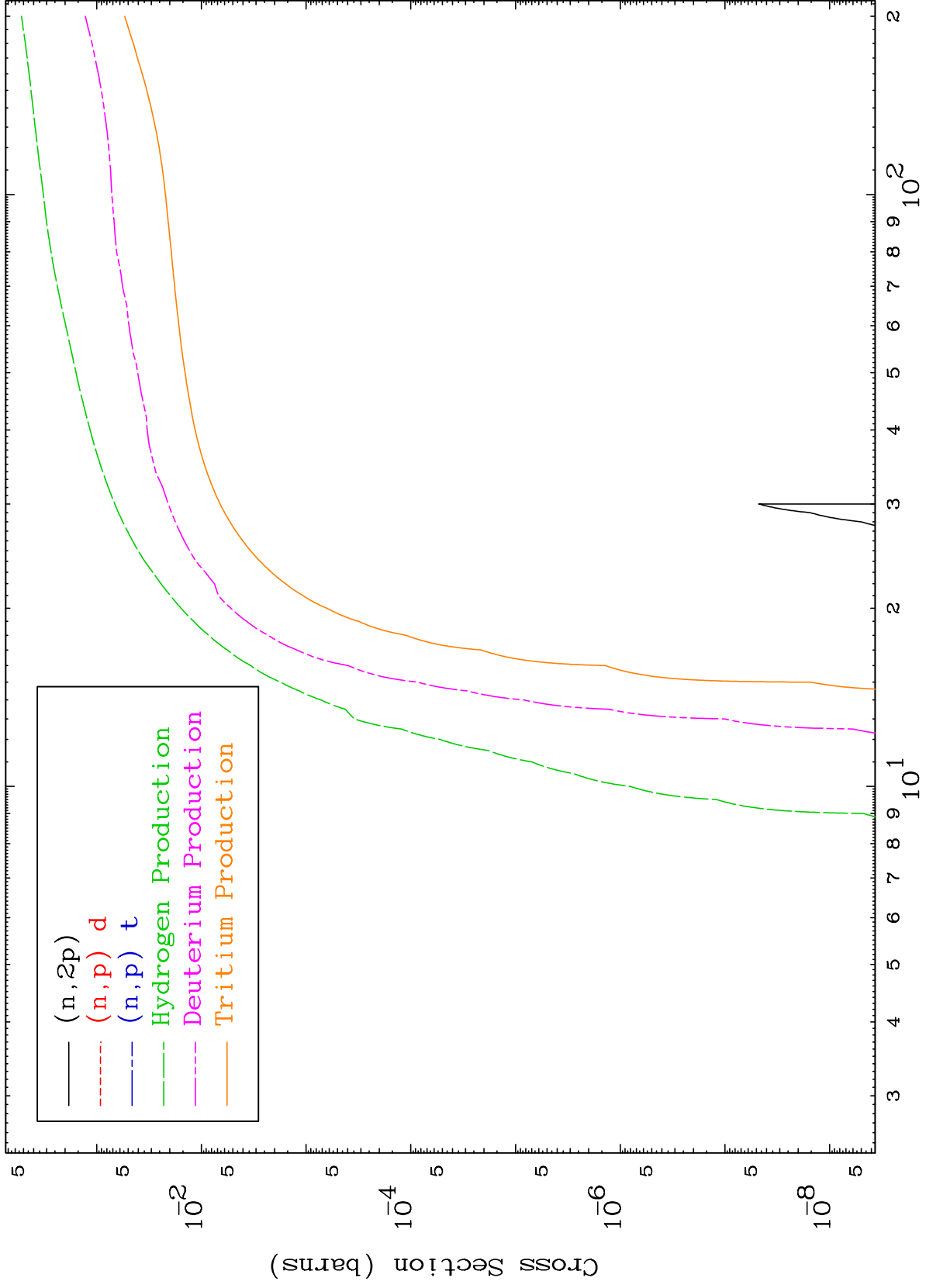


2

Incident Energy (MeV)

30-Zn-72

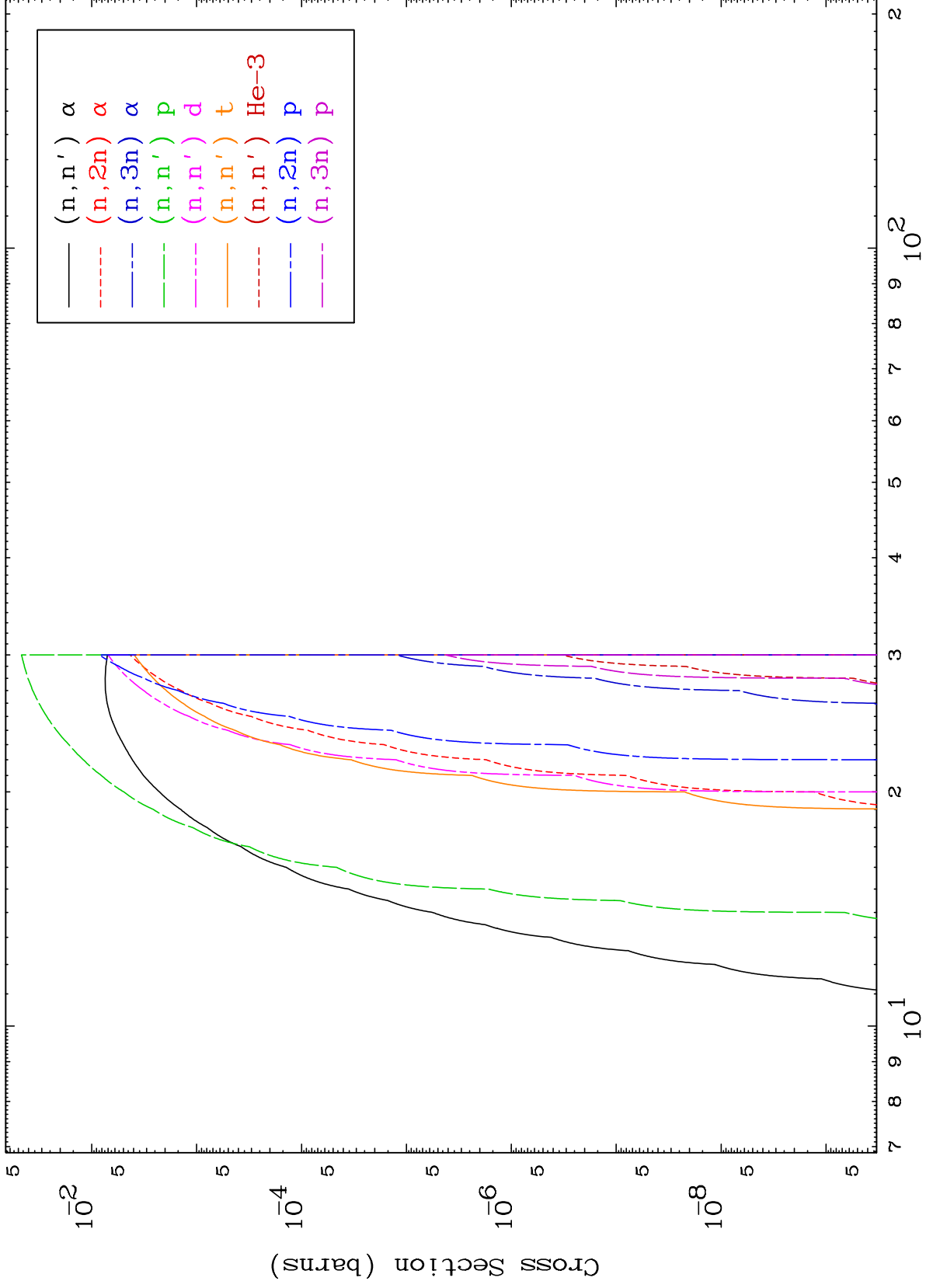




MAT 3049

Charged Particle  
293 Kelvin Cross Sections

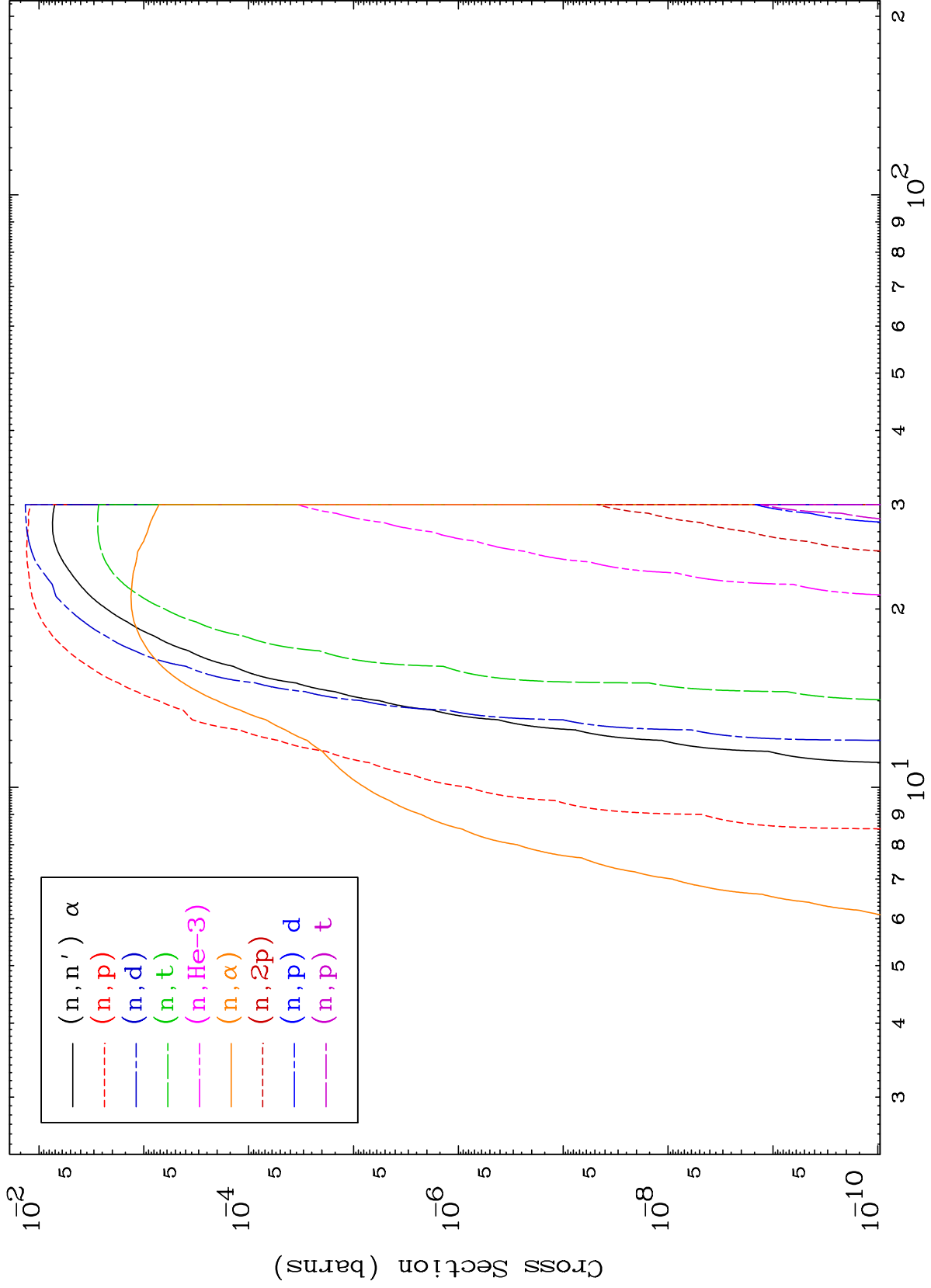
30-Zn-72



5

Incident Energy (MeV)

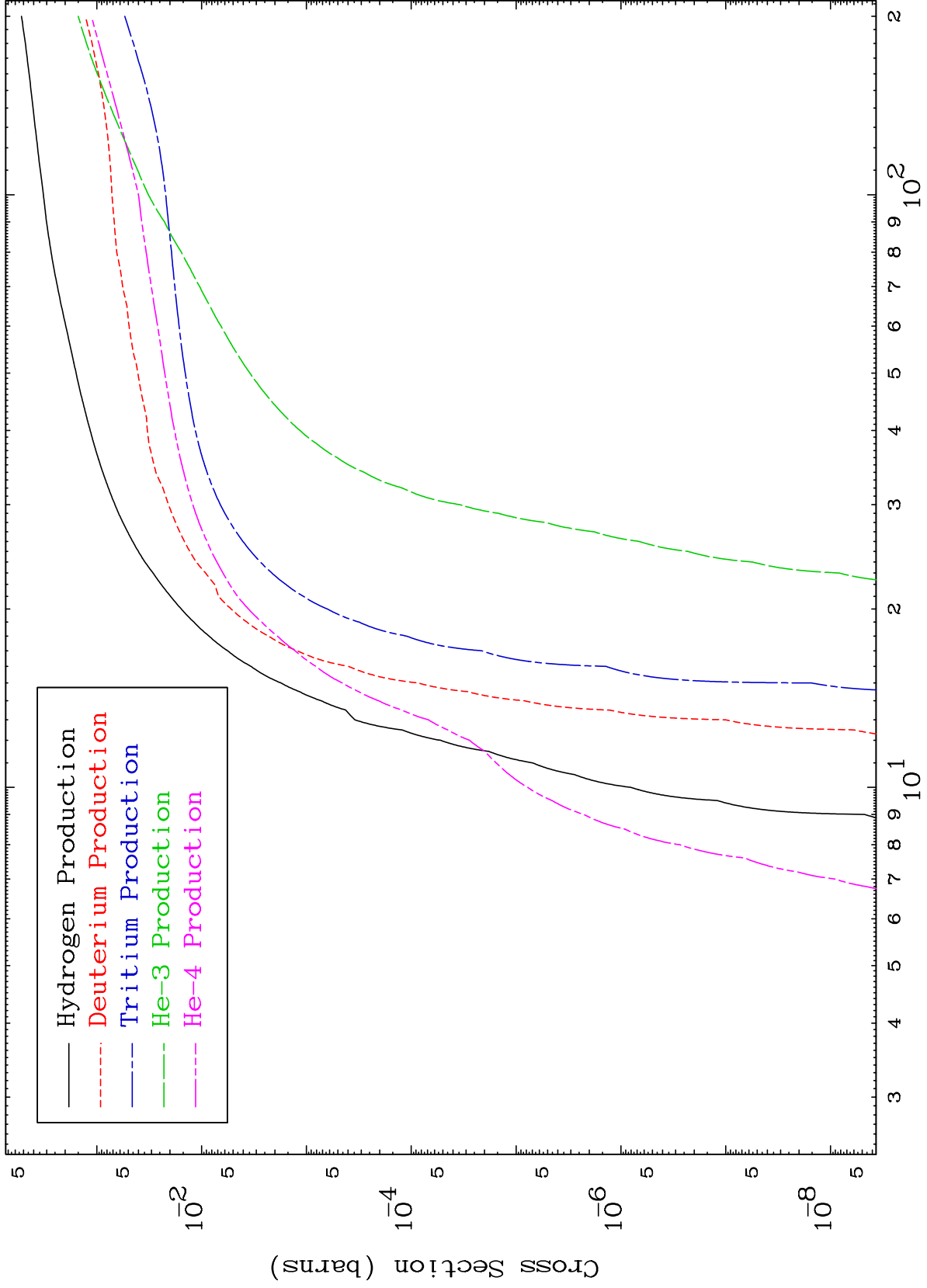
30-Zn-72



MAT 3049

Particle Production  
293 Kelvin Cross Sections

30-Zn-72



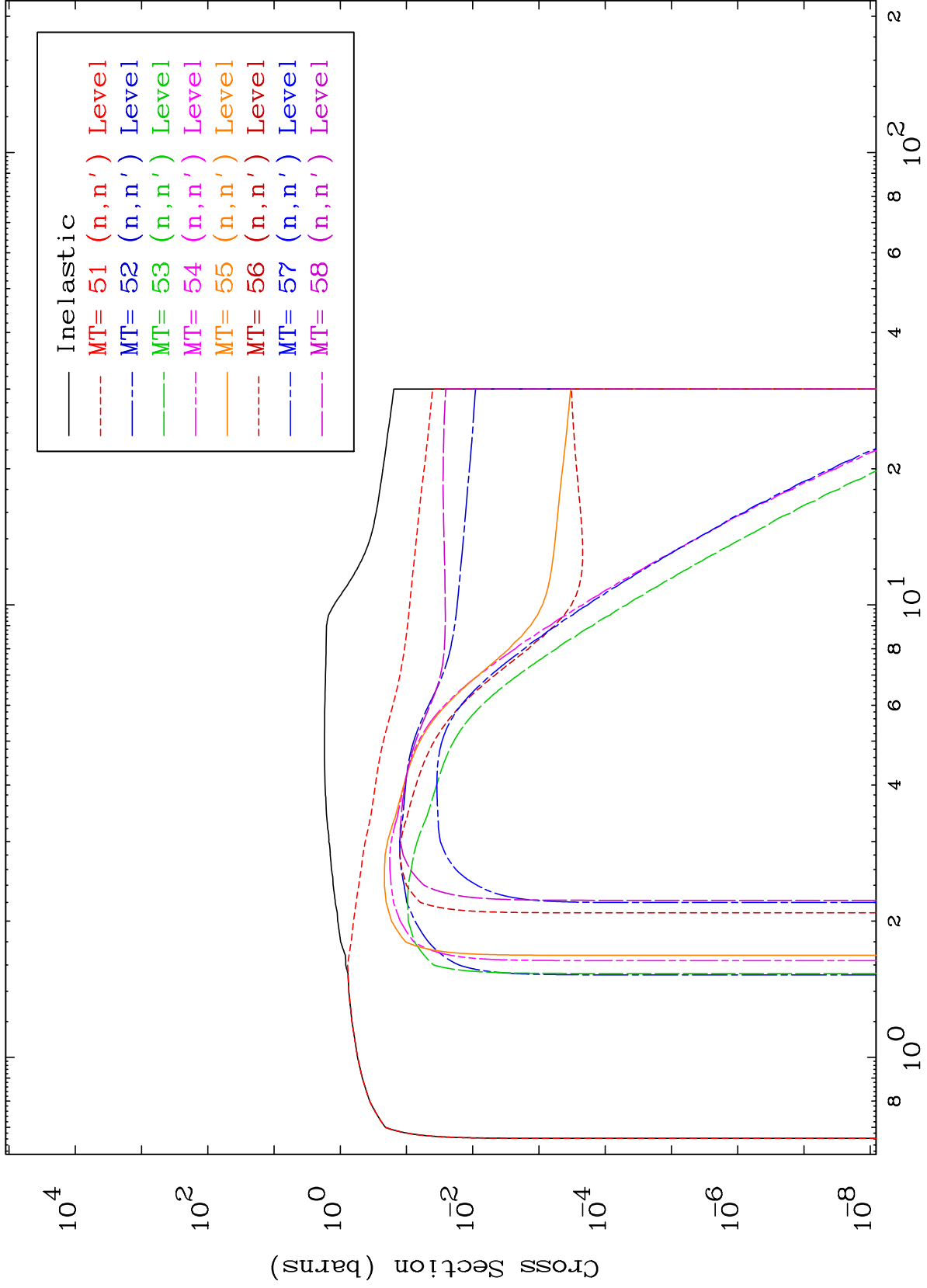


MAT 3049

(n,n') Levels

30-Zn-72

293 Kelvin Cross Sections



8

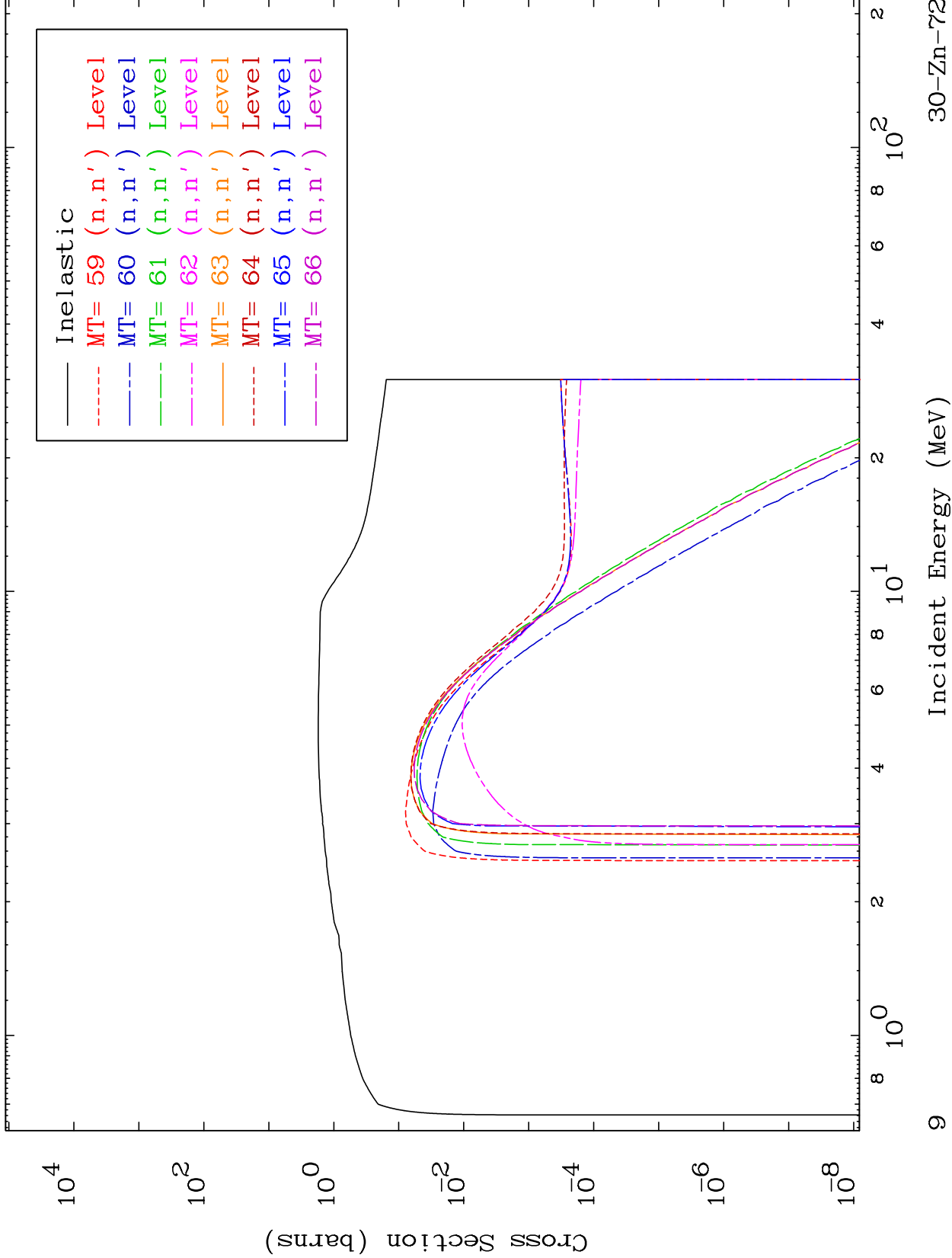
Incident Energy (MeV)

30-Zn-72

MAT 3049

(n,n') Levels  
293 Kelvin Cross Sections

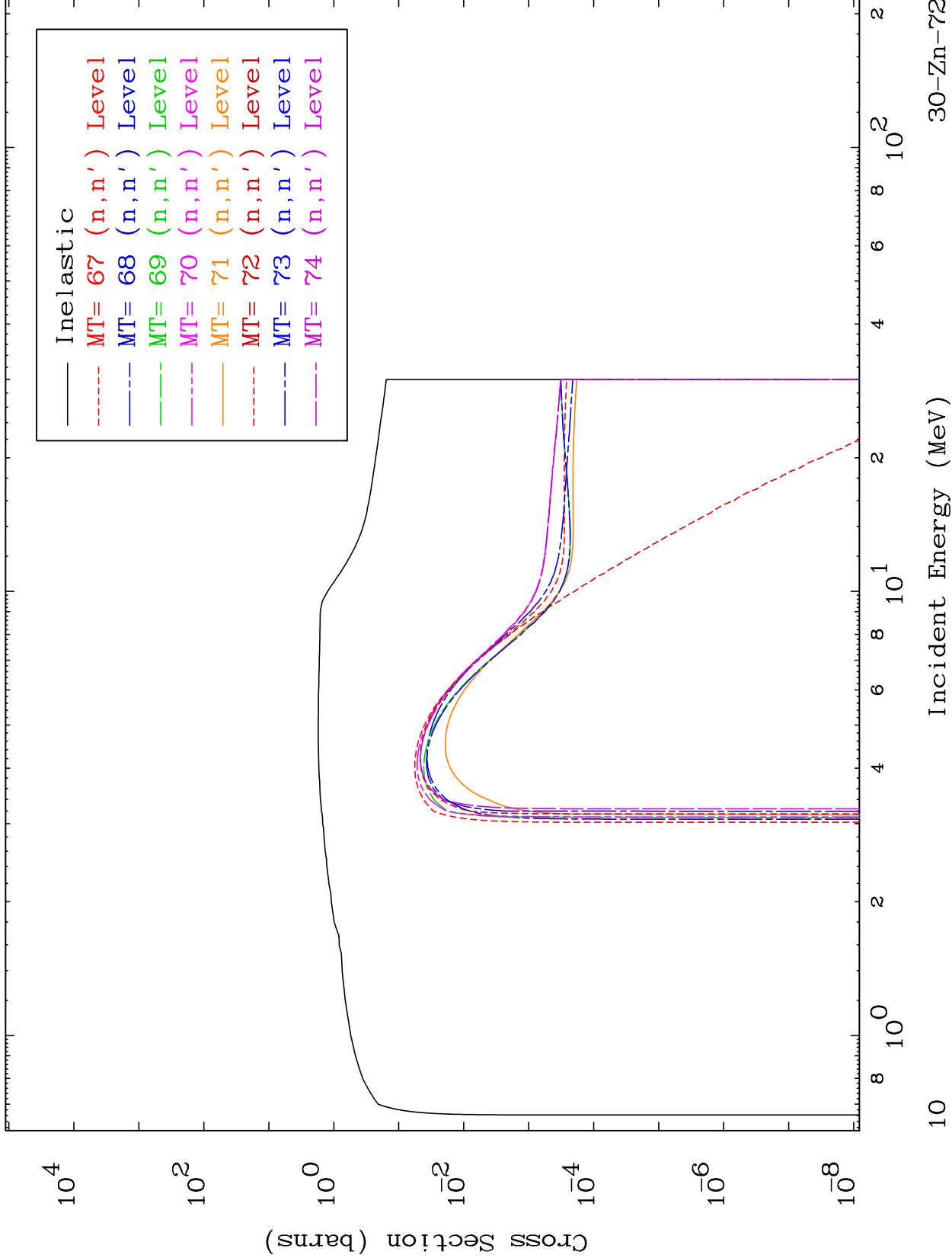
30-Zn-72



MAT 3049

(n,n') Levels  
293 Kelvin Cross Sections

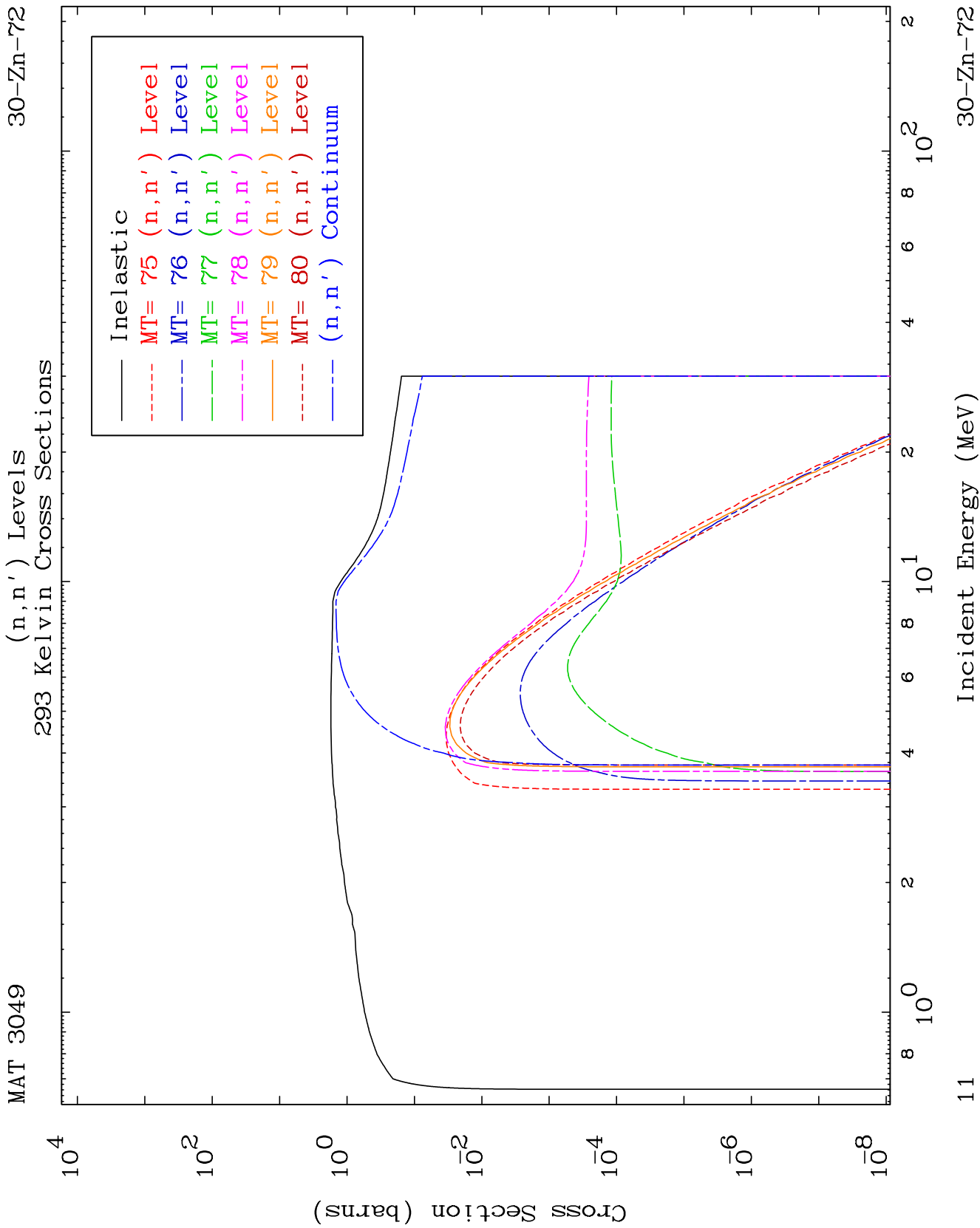
30-Zn-72



10

Incident Energy (MeV)

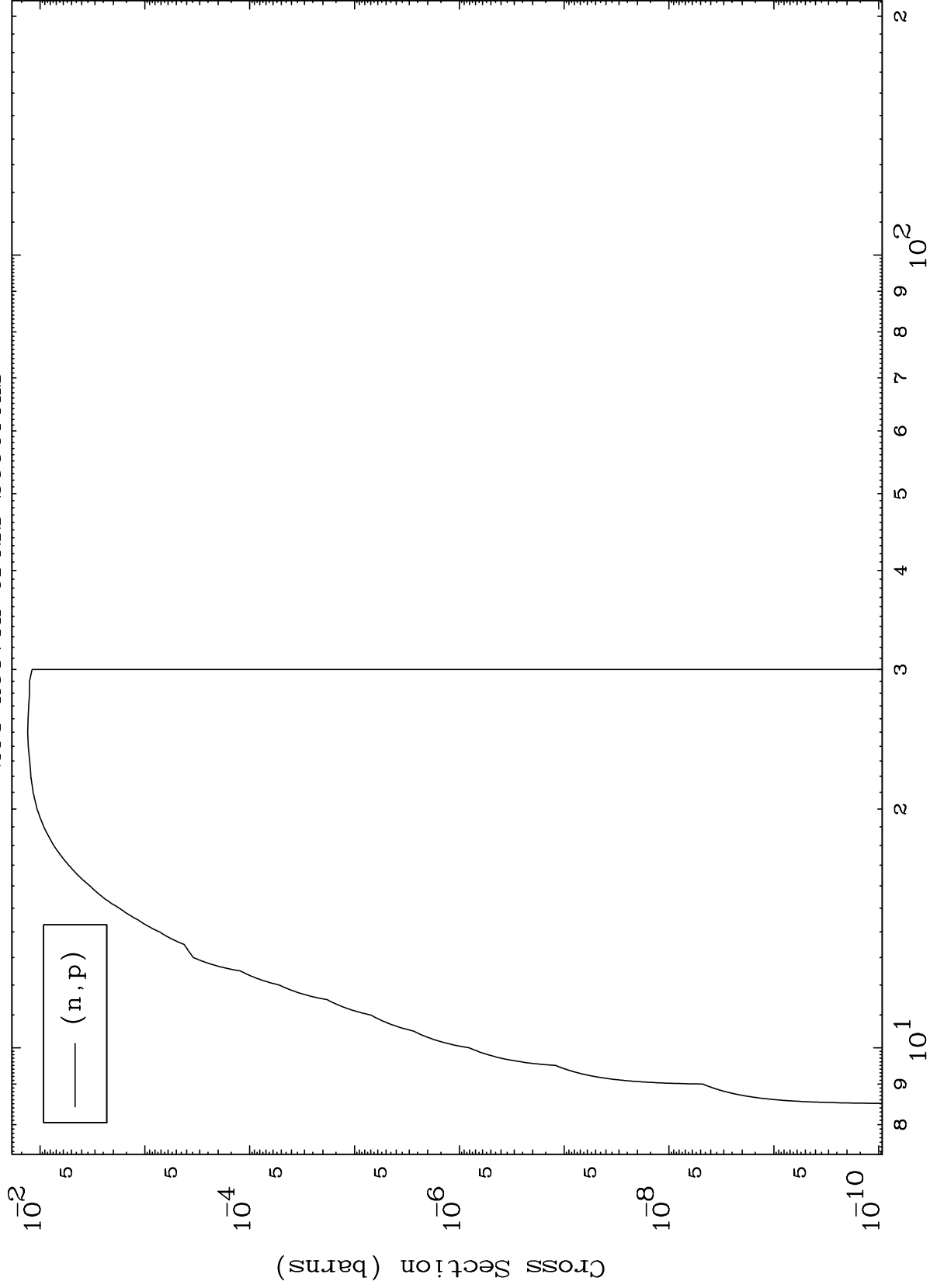
30-Zn-72



MAT 3049

(n,p) Levels  
293 Kelvin Cross Sections

30-Zn-72



12

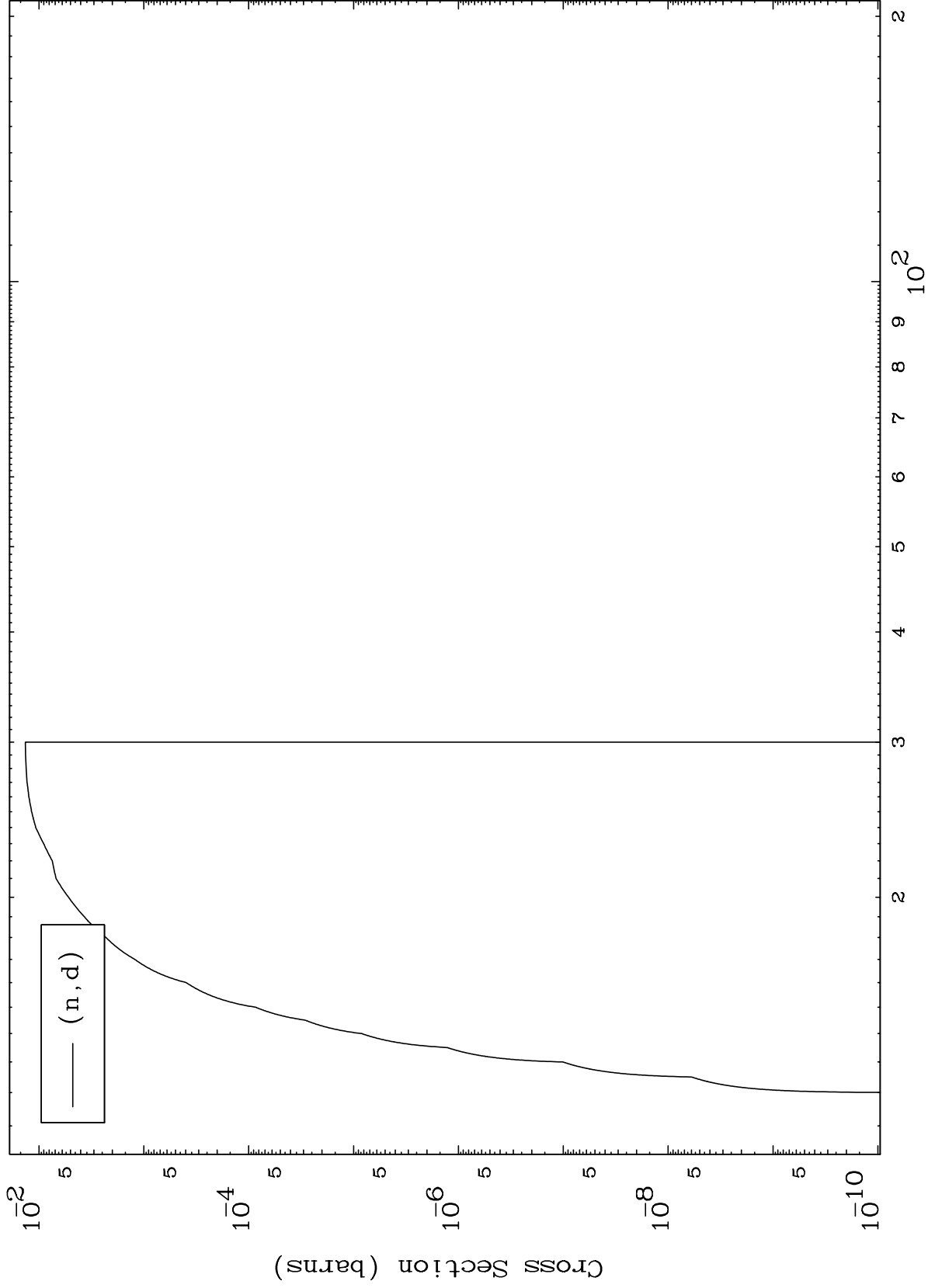
Incident Energy (MeV)

30-Zn-72

MAT 3049

(n,d) Levels  
293 Kelvin Cross Sections

30-Zn-72



13

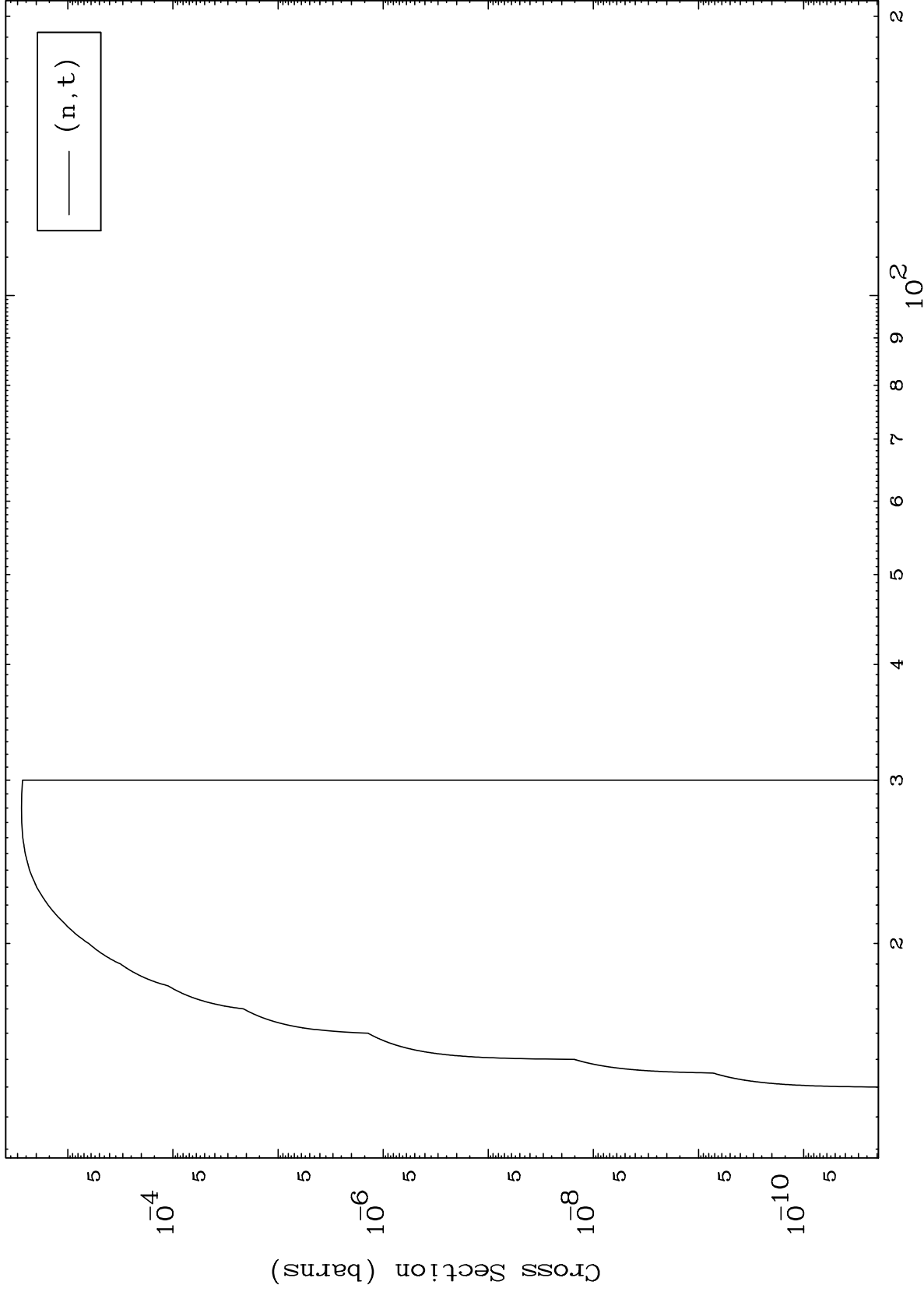
Incident Energy (MeV)

30-Zn-72

MAT 3049

(n,t) Levels  
293 Kelvin Cross Sections

30-Zn-72



14

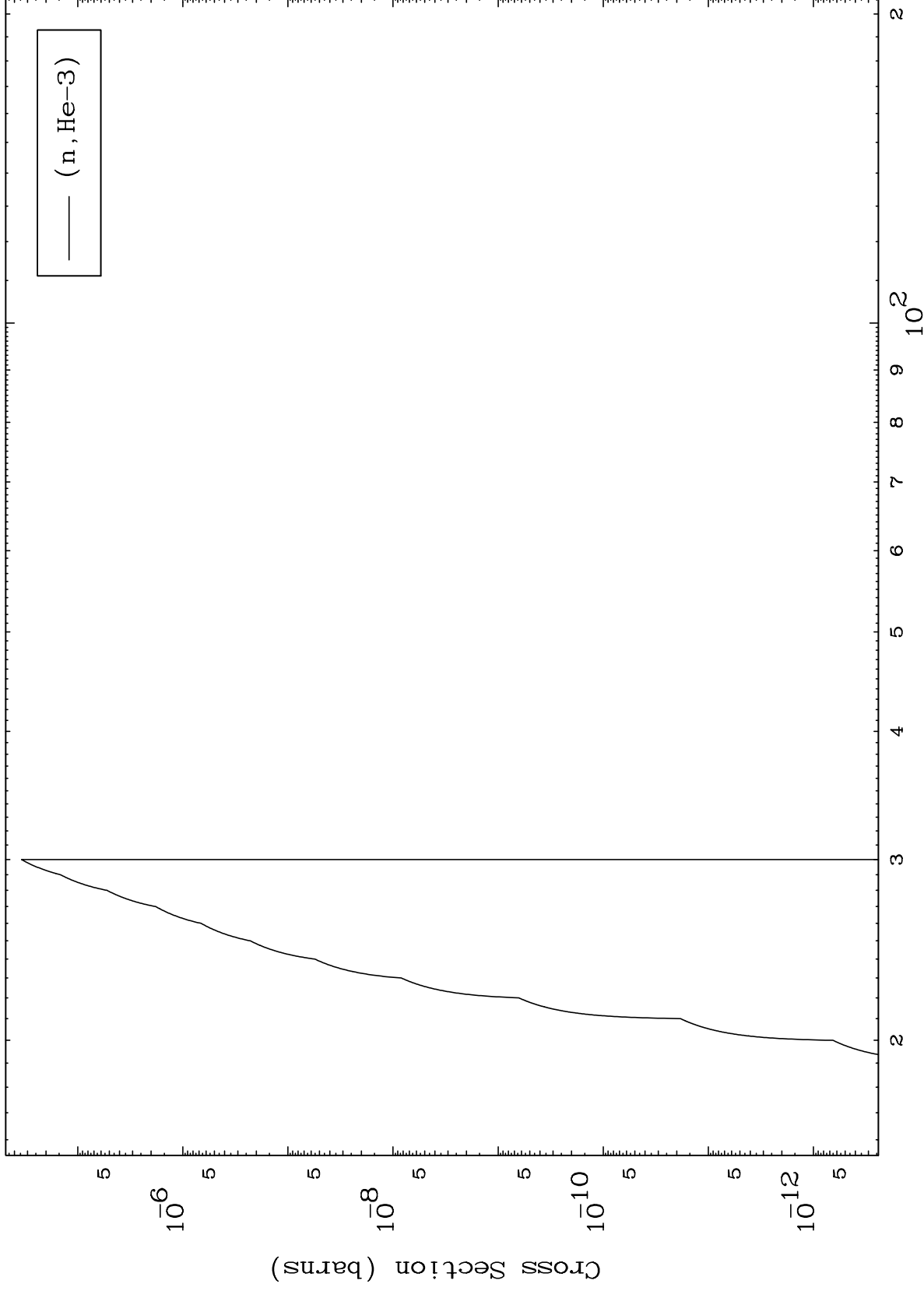
Incident Energy (MeV)

30-Zn-72

MAT 3049

(n,He3) Levels  
293 Kelvin Cross Sections

30-Zn-72



15

Incident Energy (MeV)

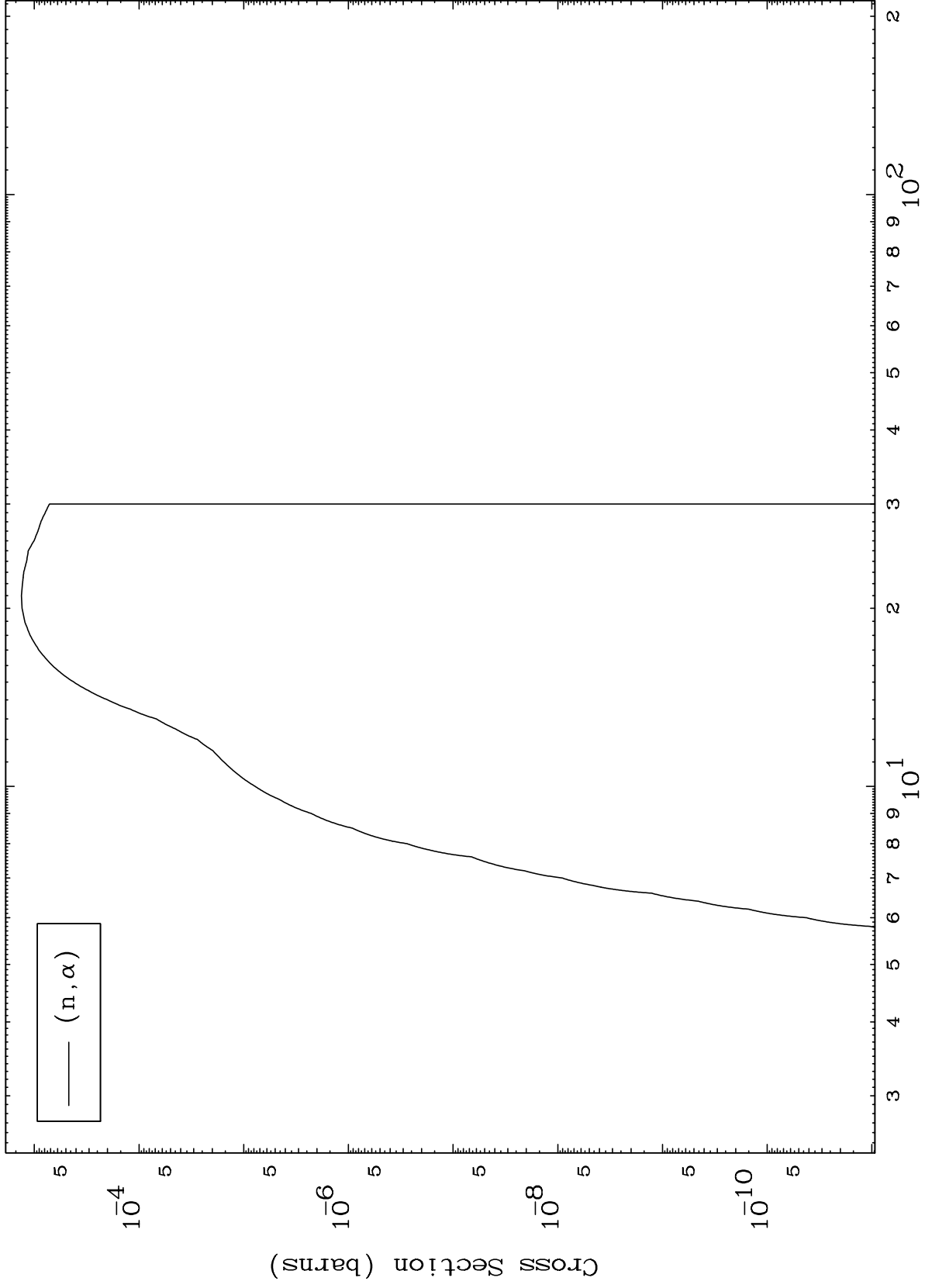
30-Zn-72



MAT 3049

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

30-Zn-72



16

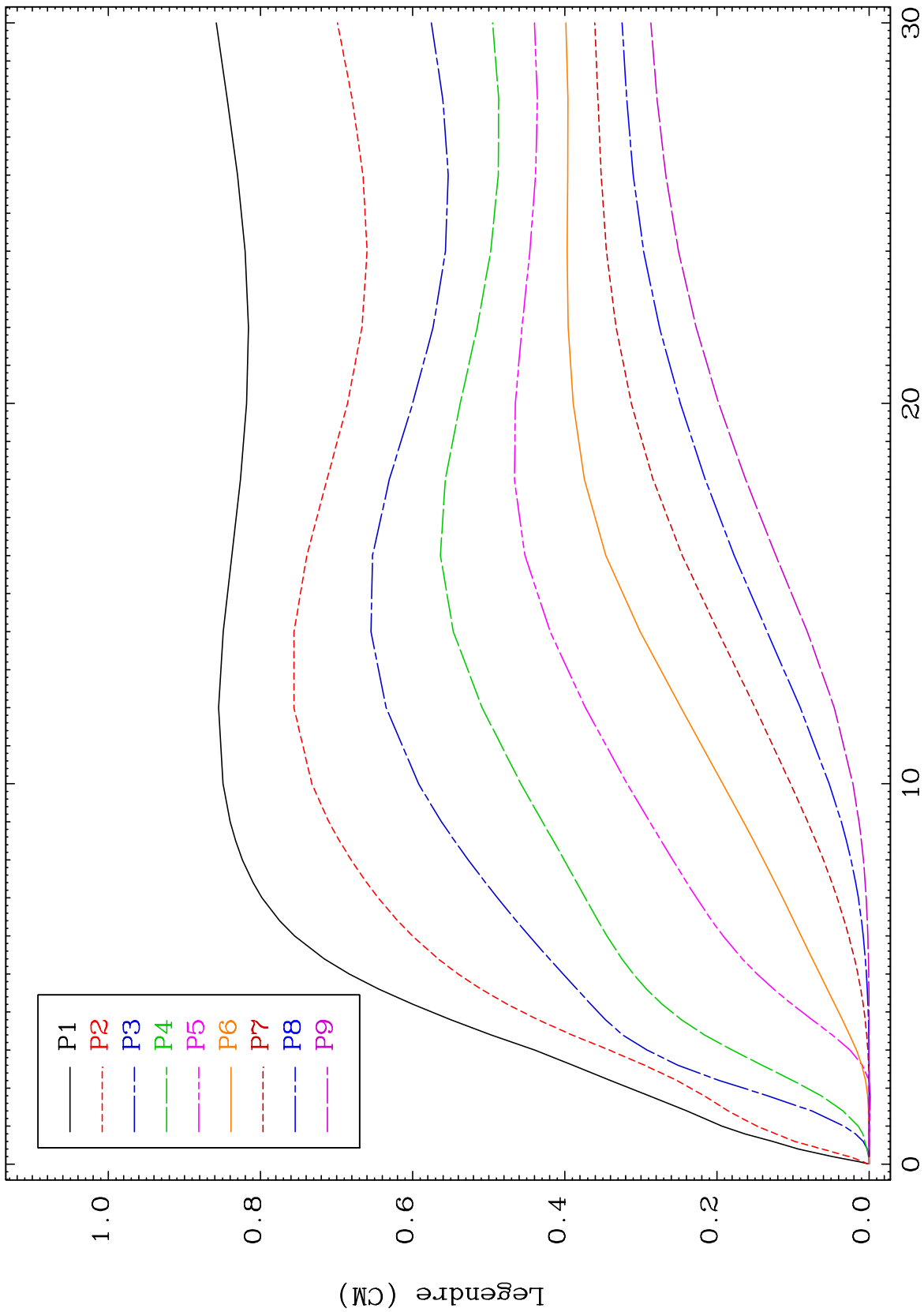
Incident Energy (MeV)

30-Zn-72

MAT 3049

Elastic Legendre Coefficients

30-Zn-72



17

Incident Energy (MeV)

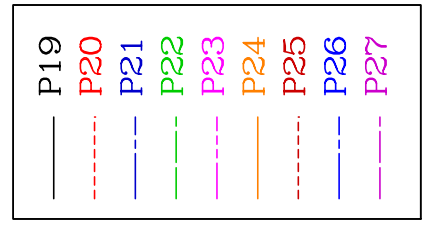
30-Zn-72



MAT 3049

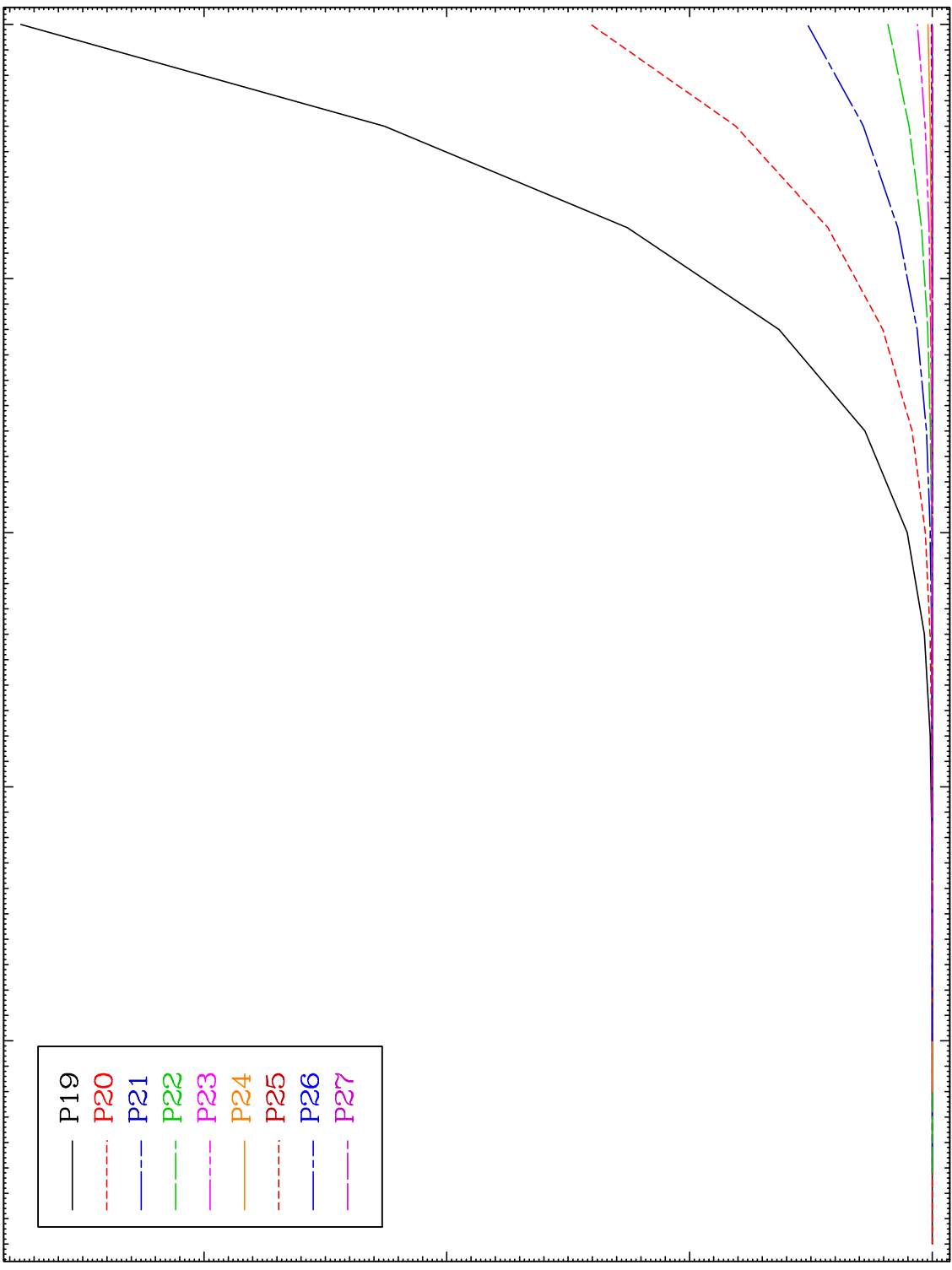
Elastic Legendre Coefficients

30-Zn-72



$\times 10^{-4}$

Legendre (CM)



19

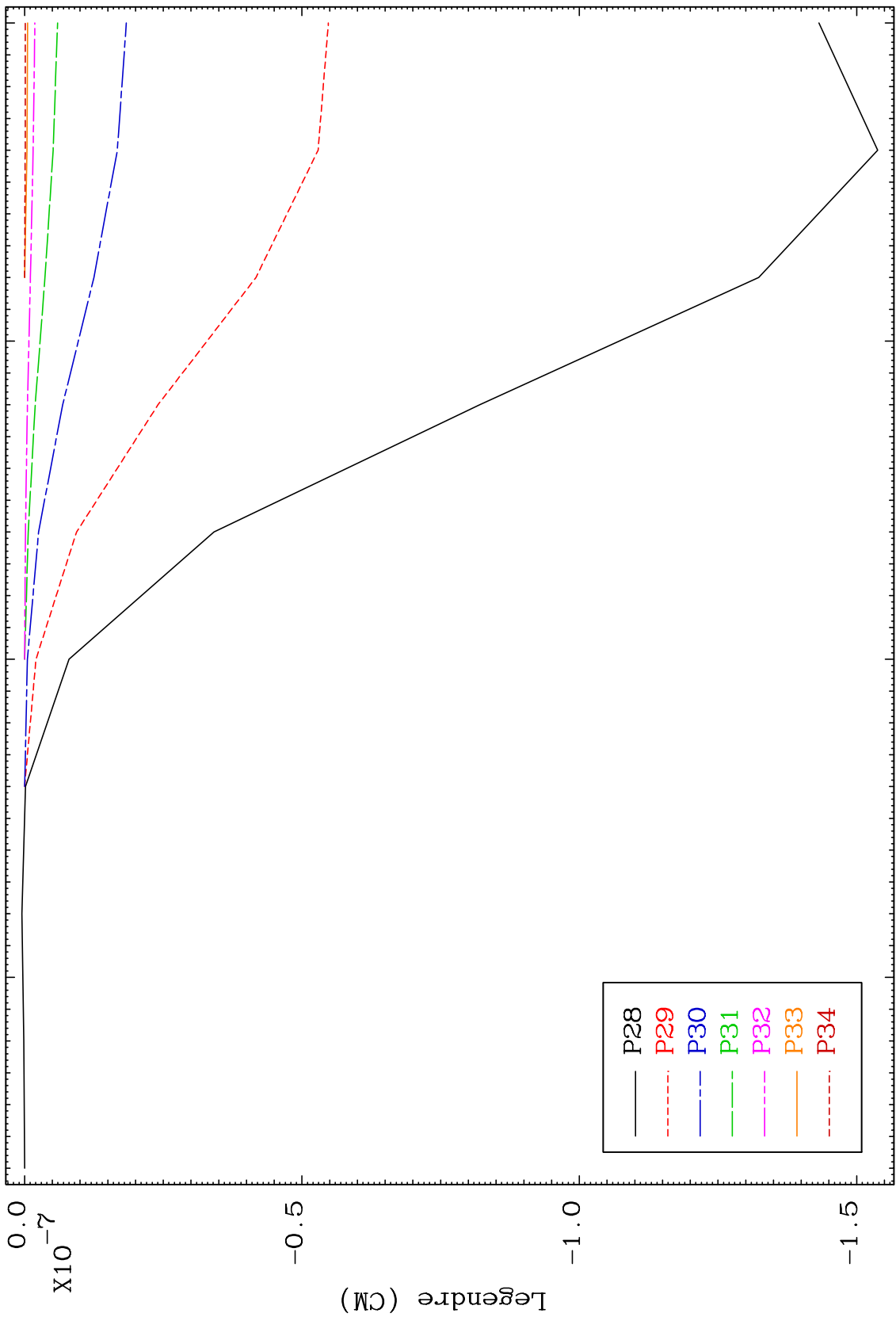
Incident Energy (MeV)

30-Zn-72

MAT 3049

30-Zn-72

Elastic Legendre Coefficients



Legendre Coefficients  
 $\times 10^{-7}$

30

25

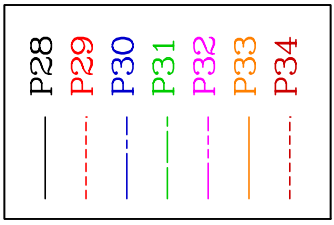
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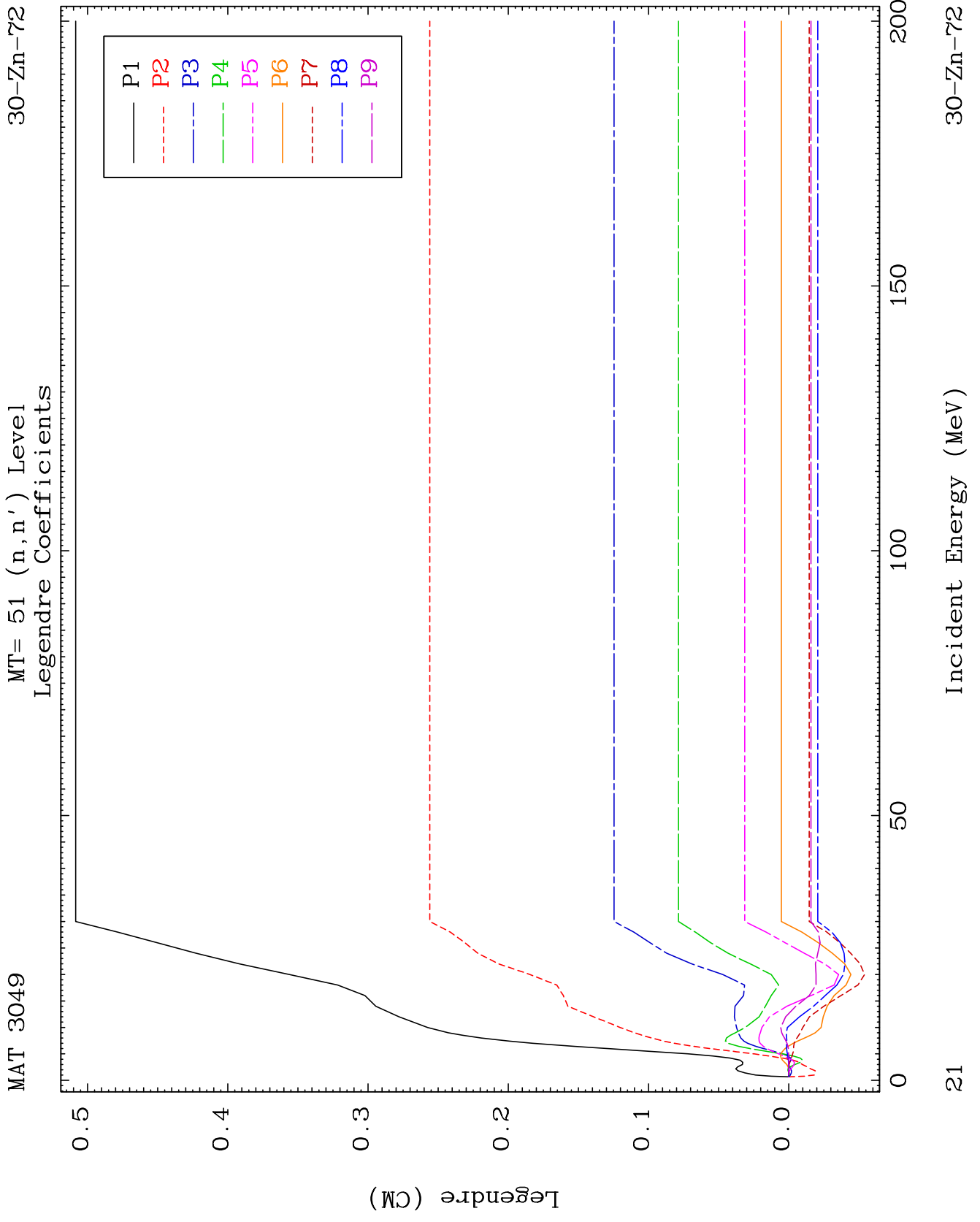
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30-Zn-72

Incident Energy (MeV)

20

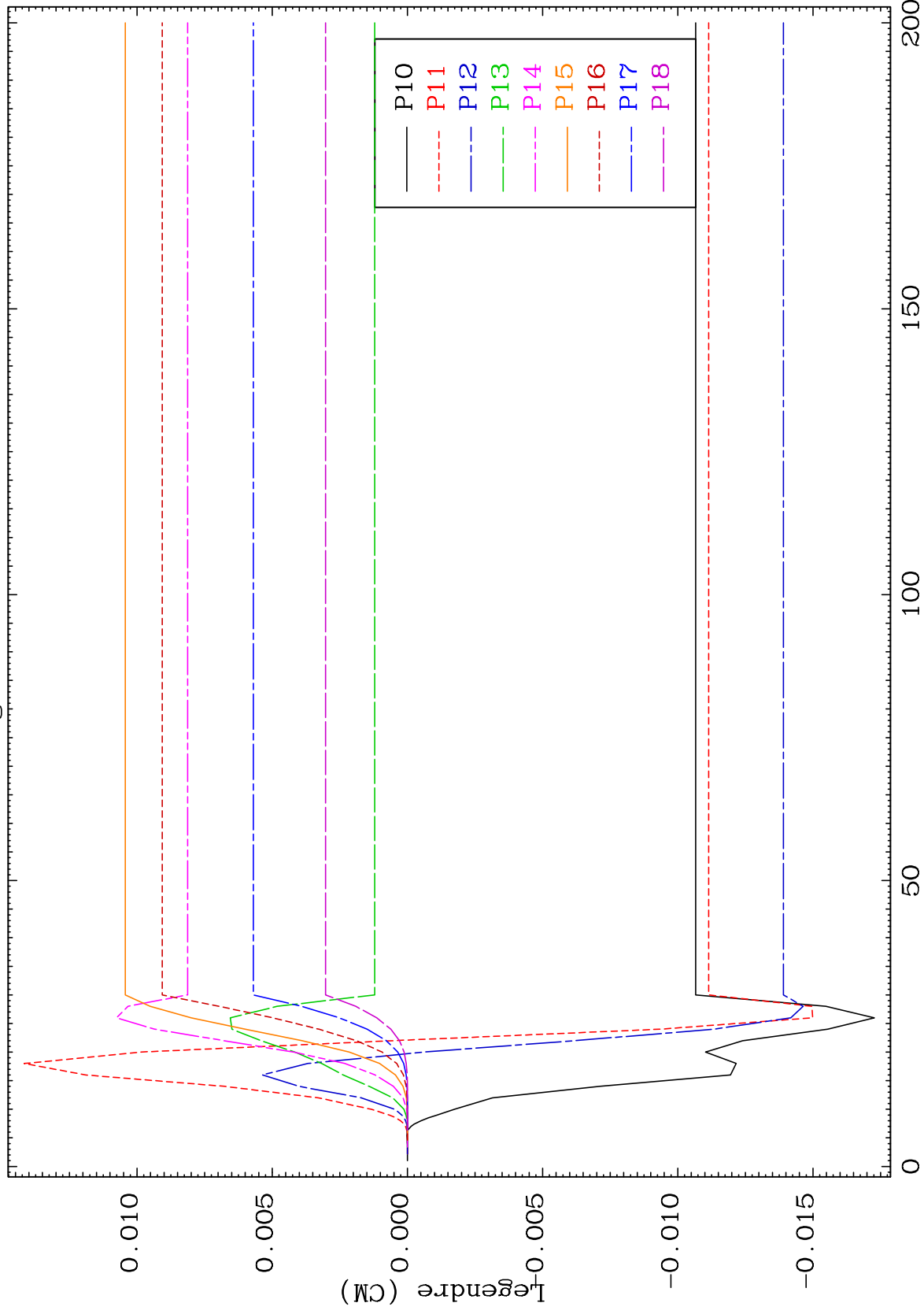




MAT 3049

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

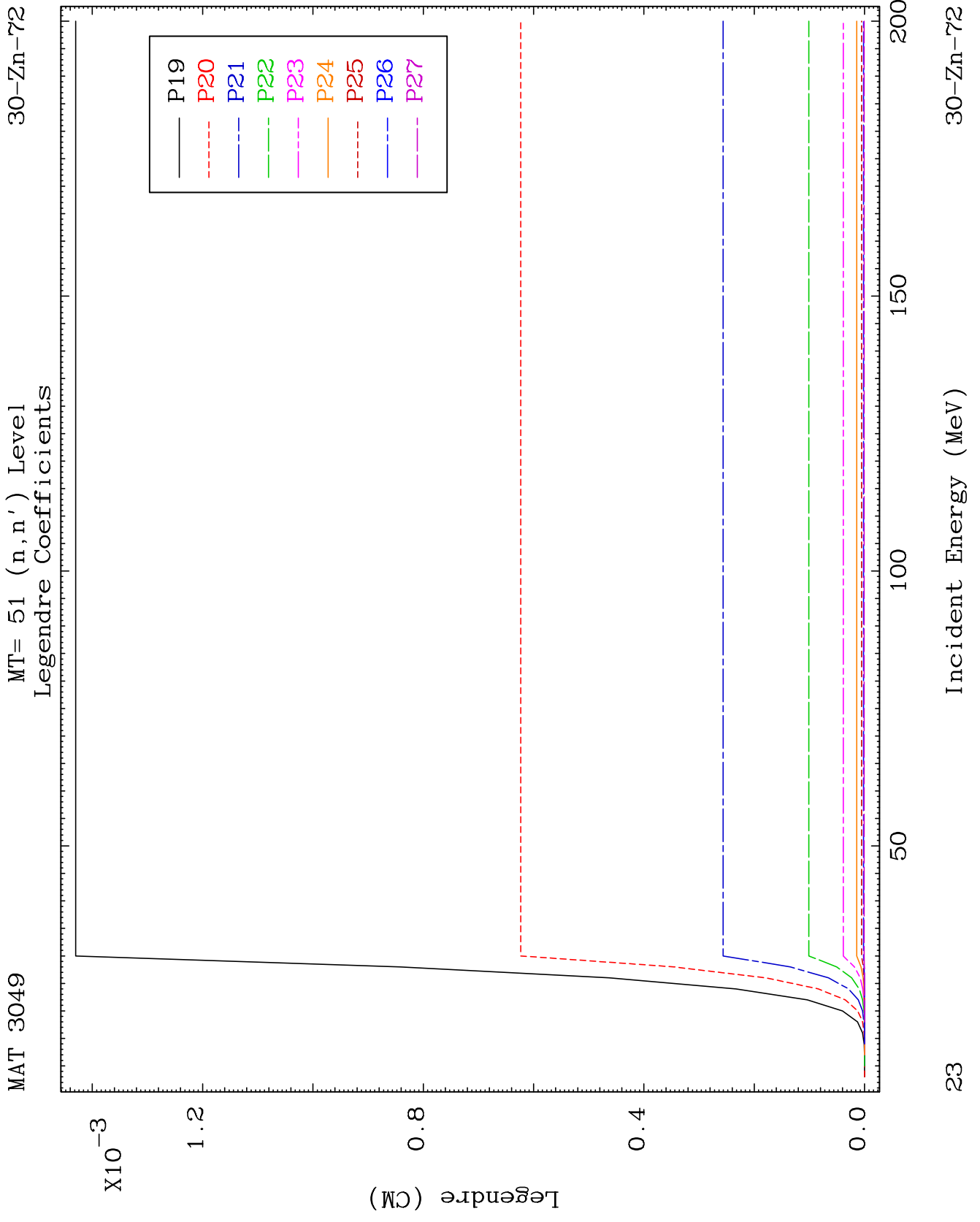
30-Zn-72



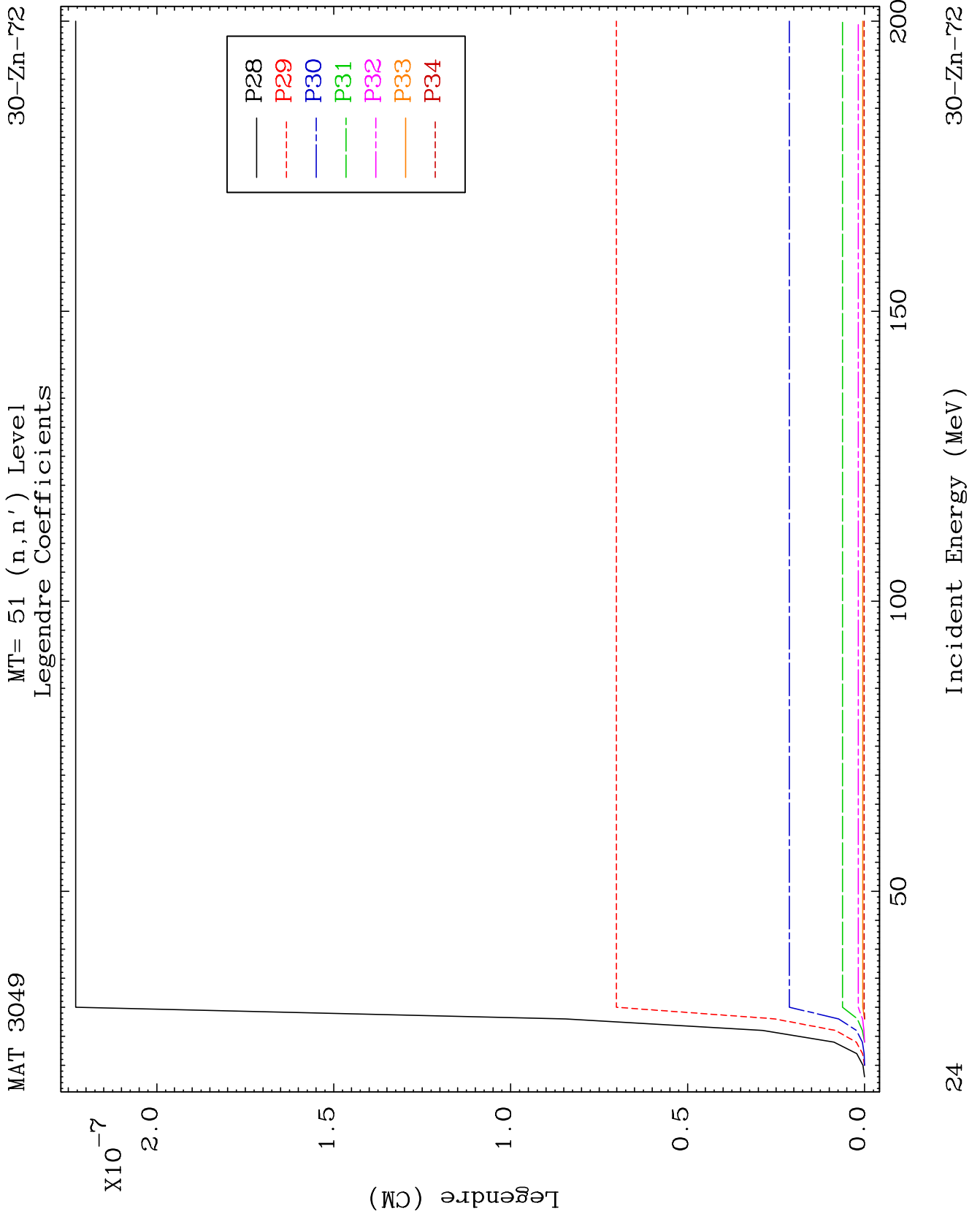
22

Incident Energy (MeV)

30-Zn-72





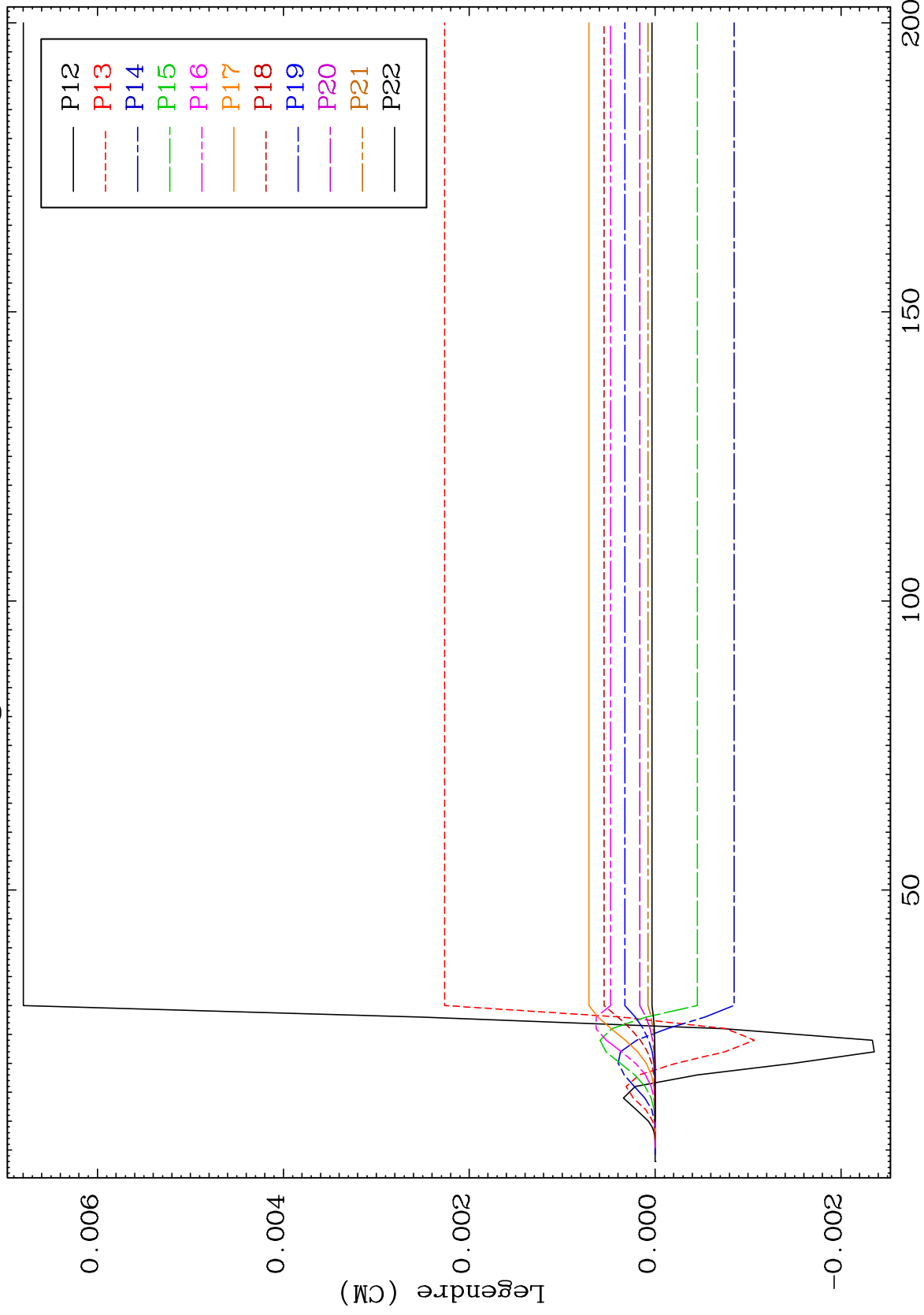




MAT 3049

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

30-Zn-72



26

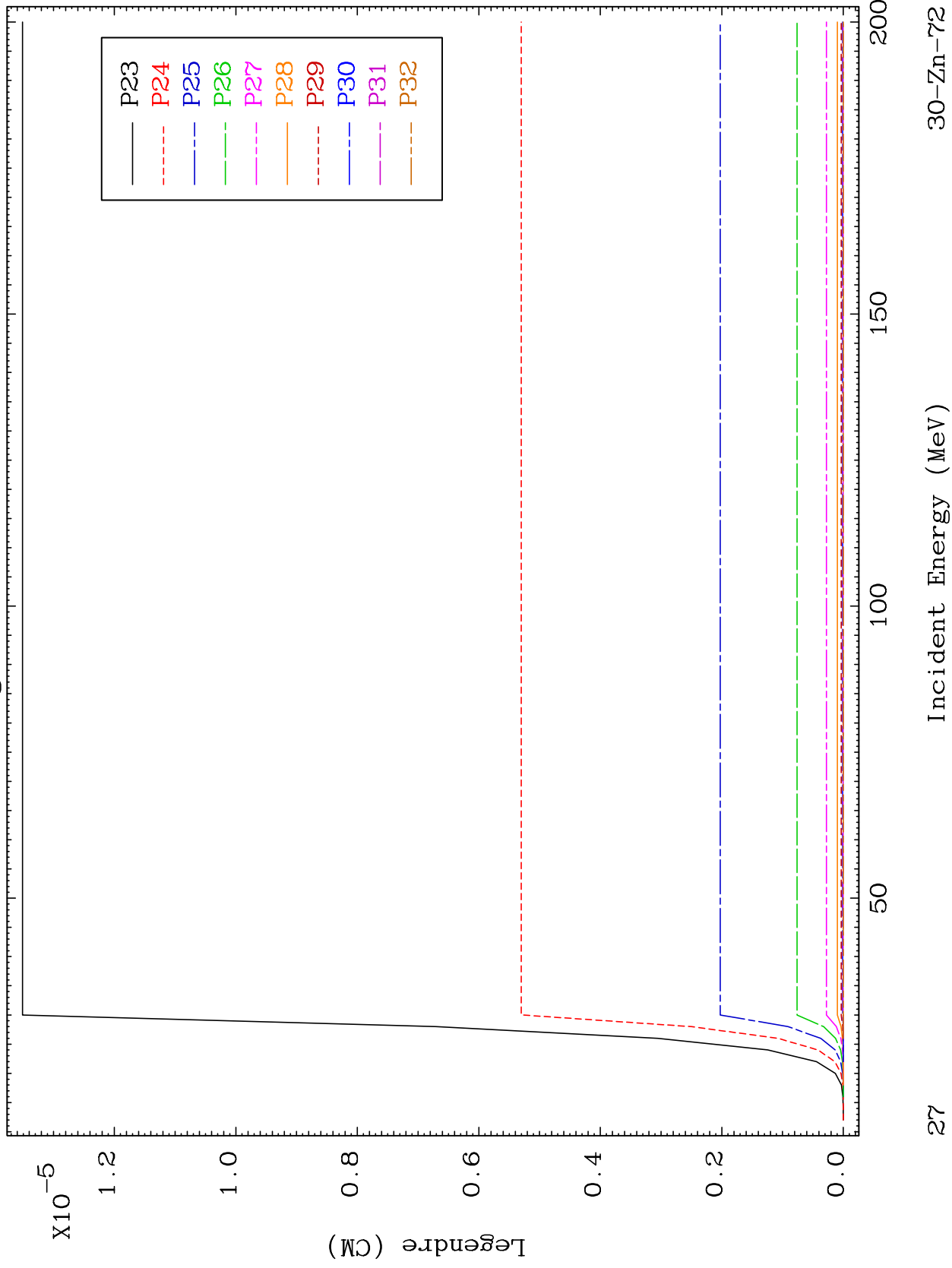
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

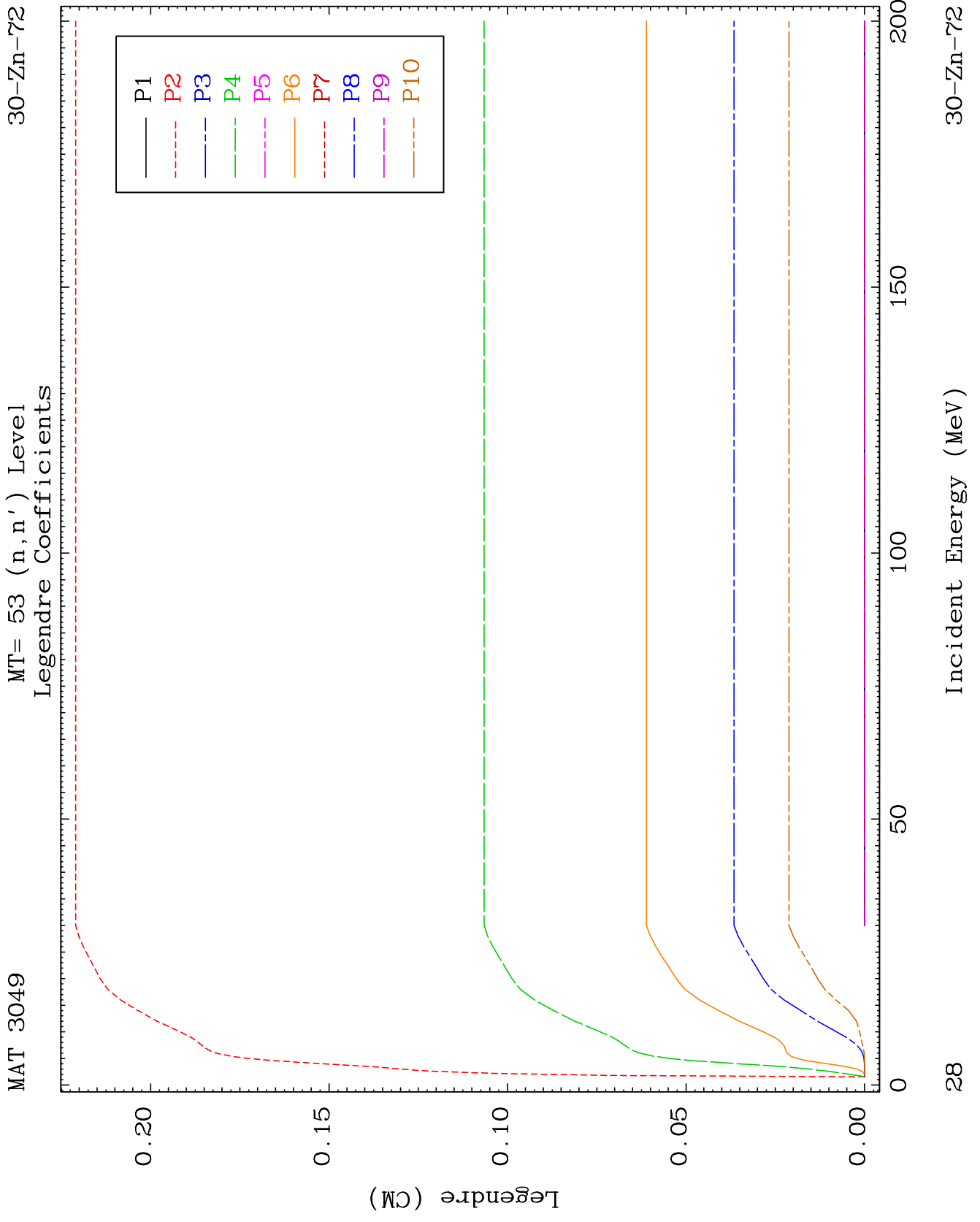
30-Zn-72



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Incident Energy (MeV)

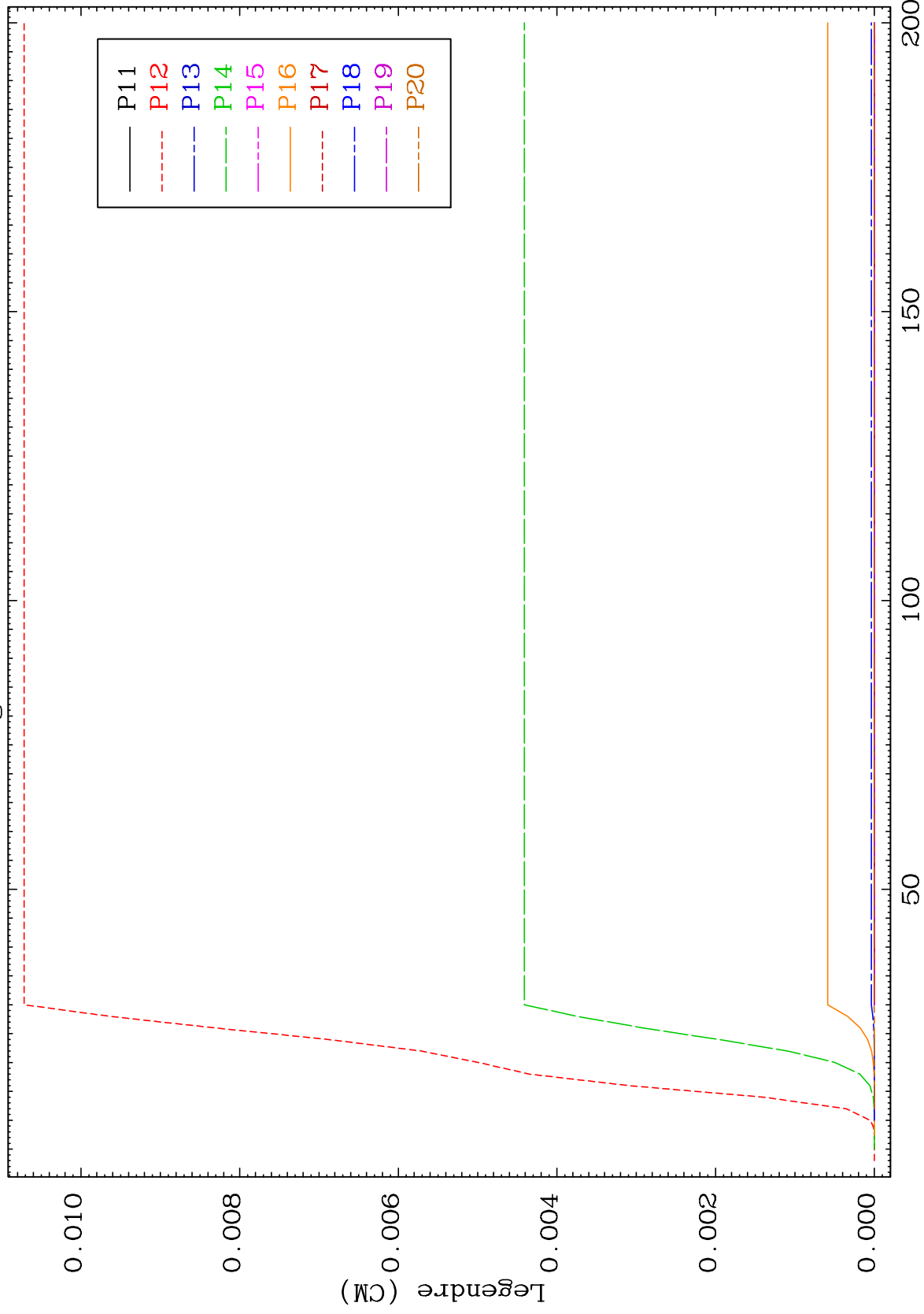
30-Zn-72



MAT 3049

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

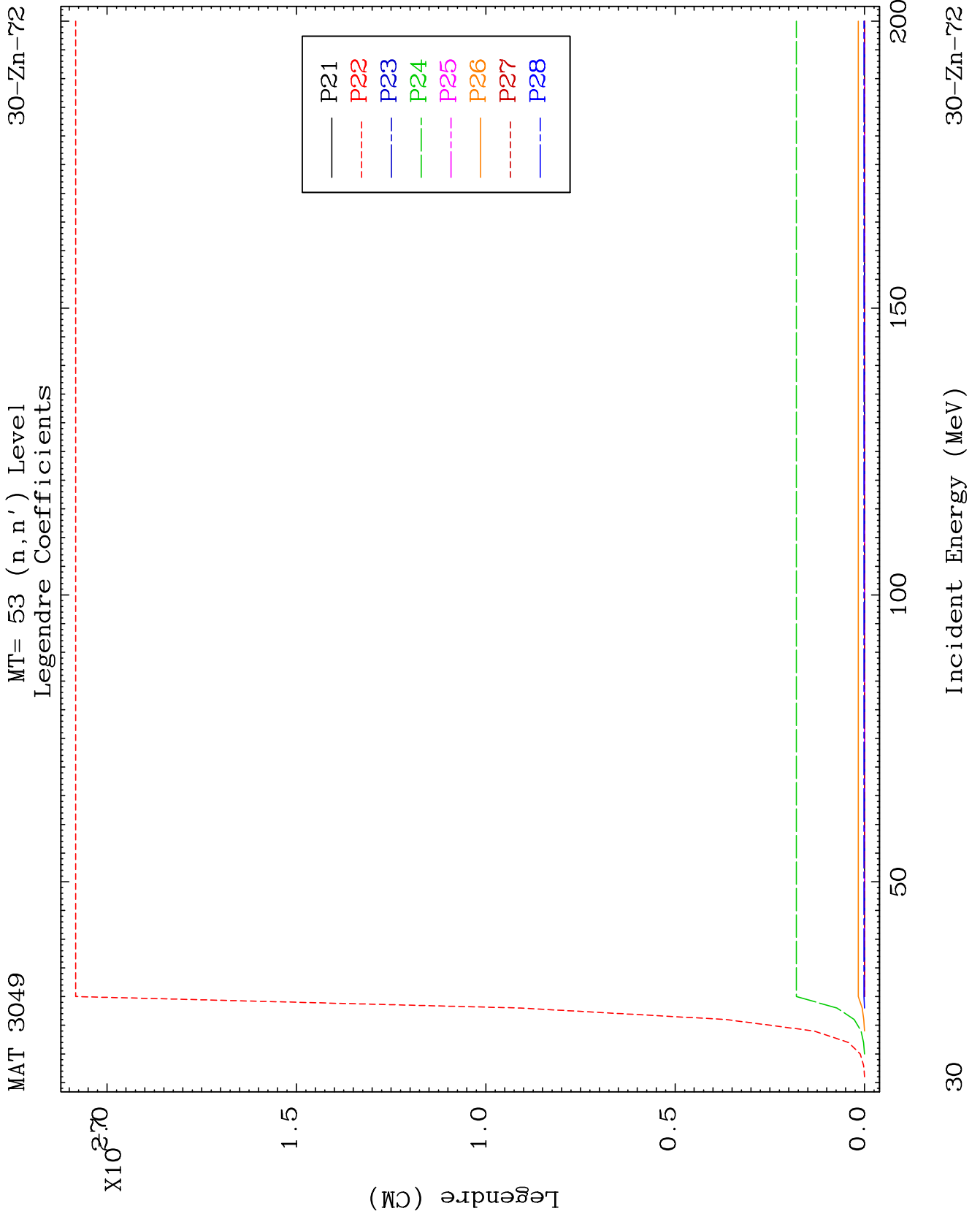
30-Zn-72

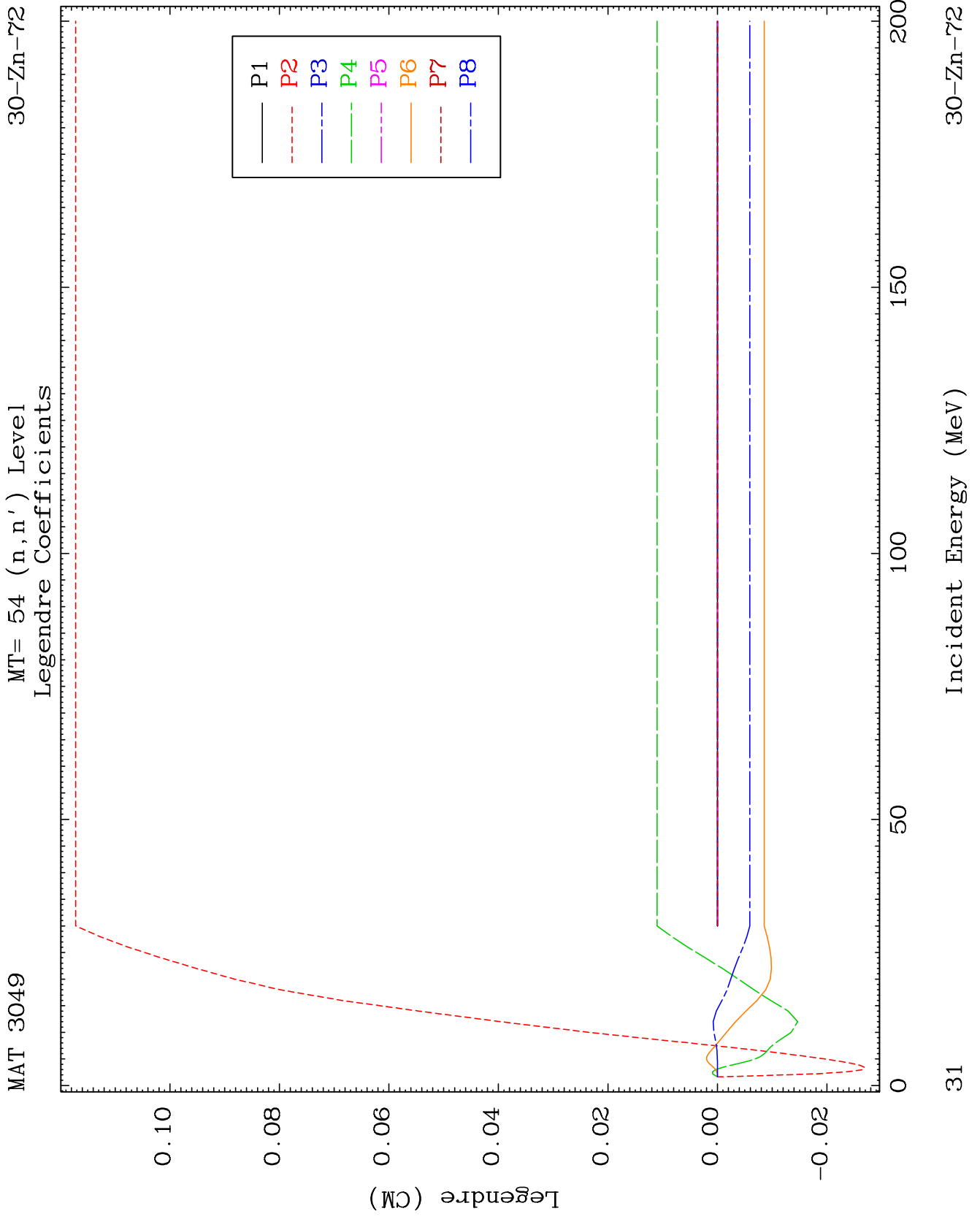


29

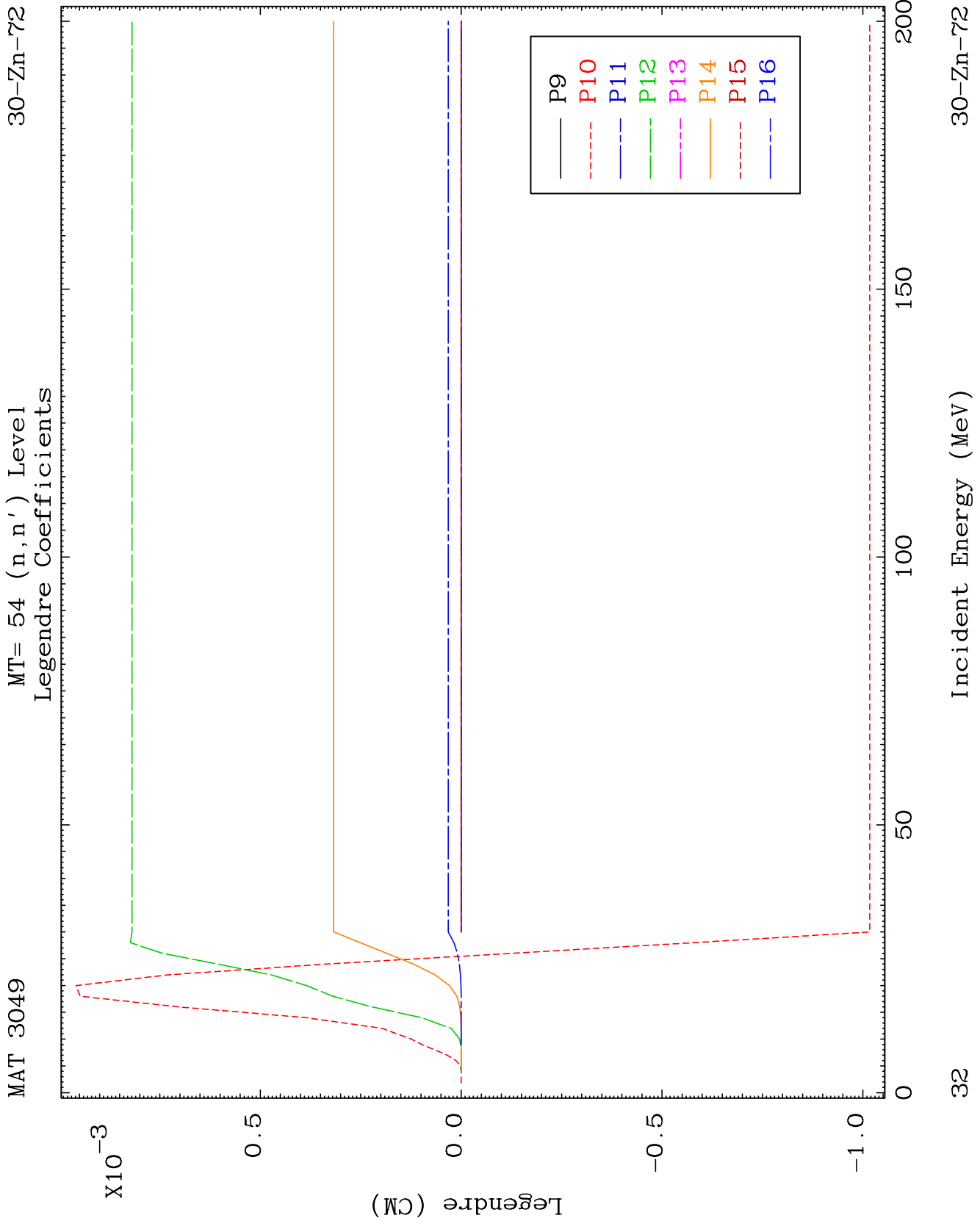
Incident Energy (MeV)

30-Zn-72

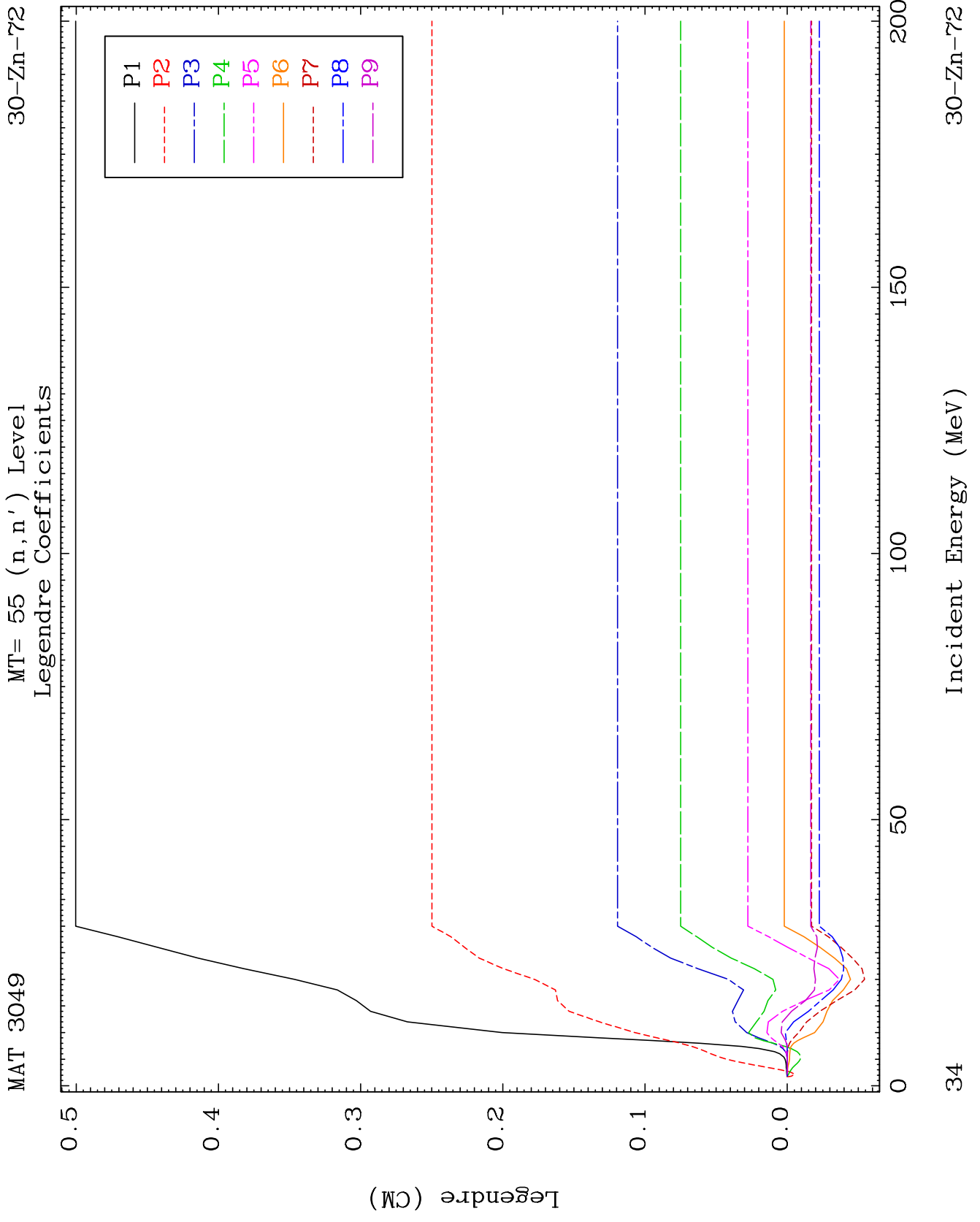










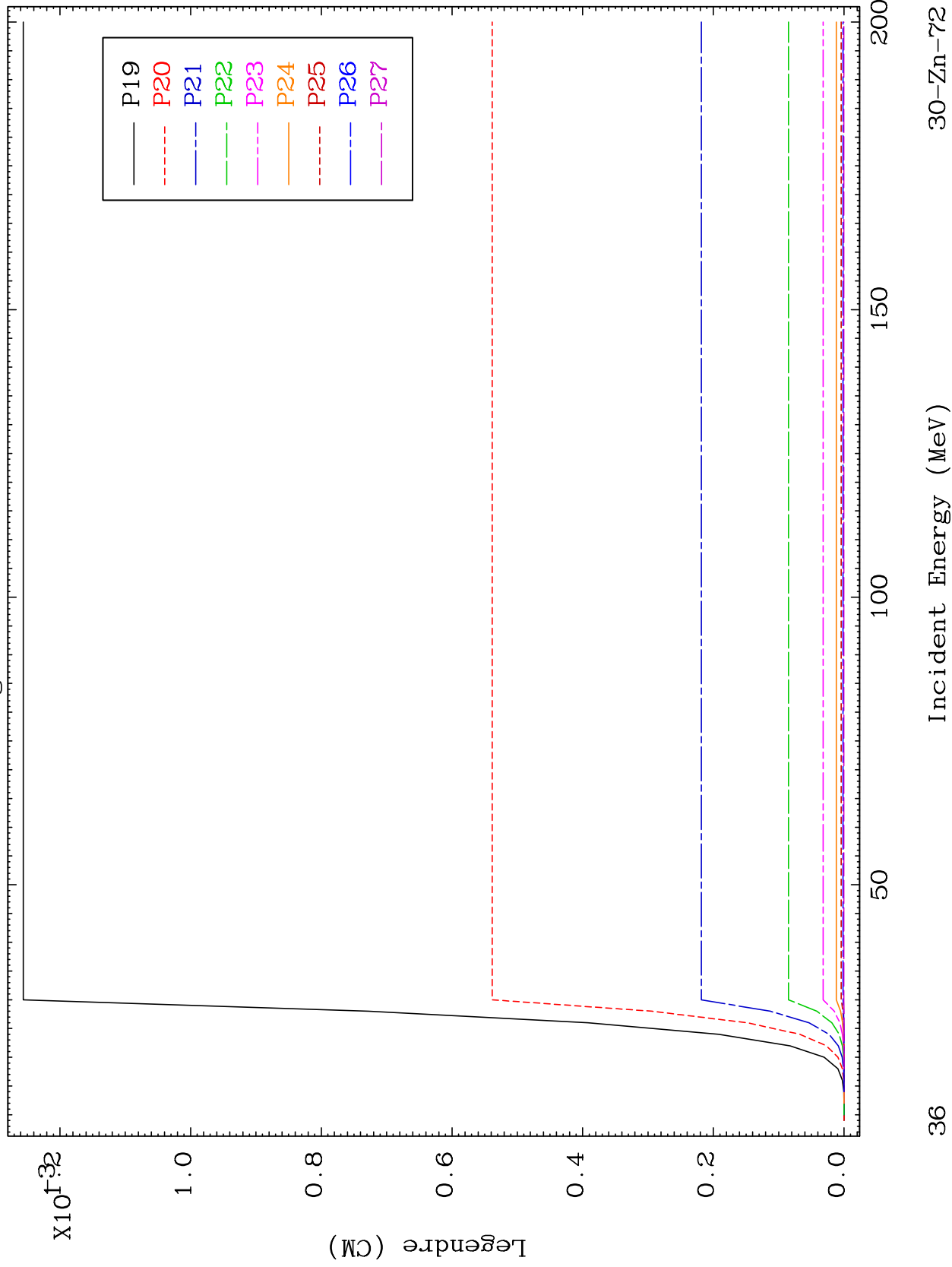




MAT 3049

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

30-Zn-72



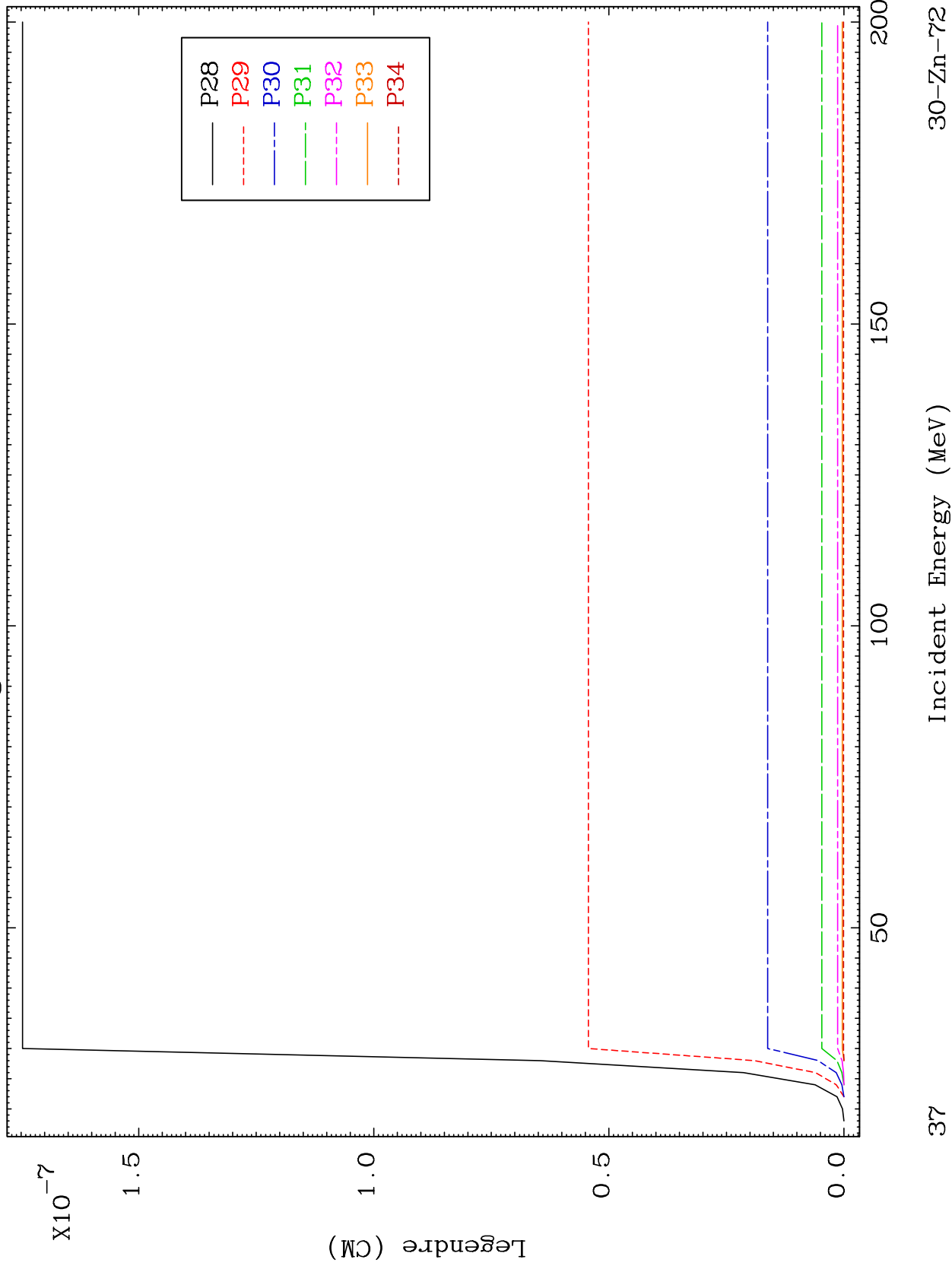
36

30-Zn-72

MAT 3049

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

30-Zn-72



37

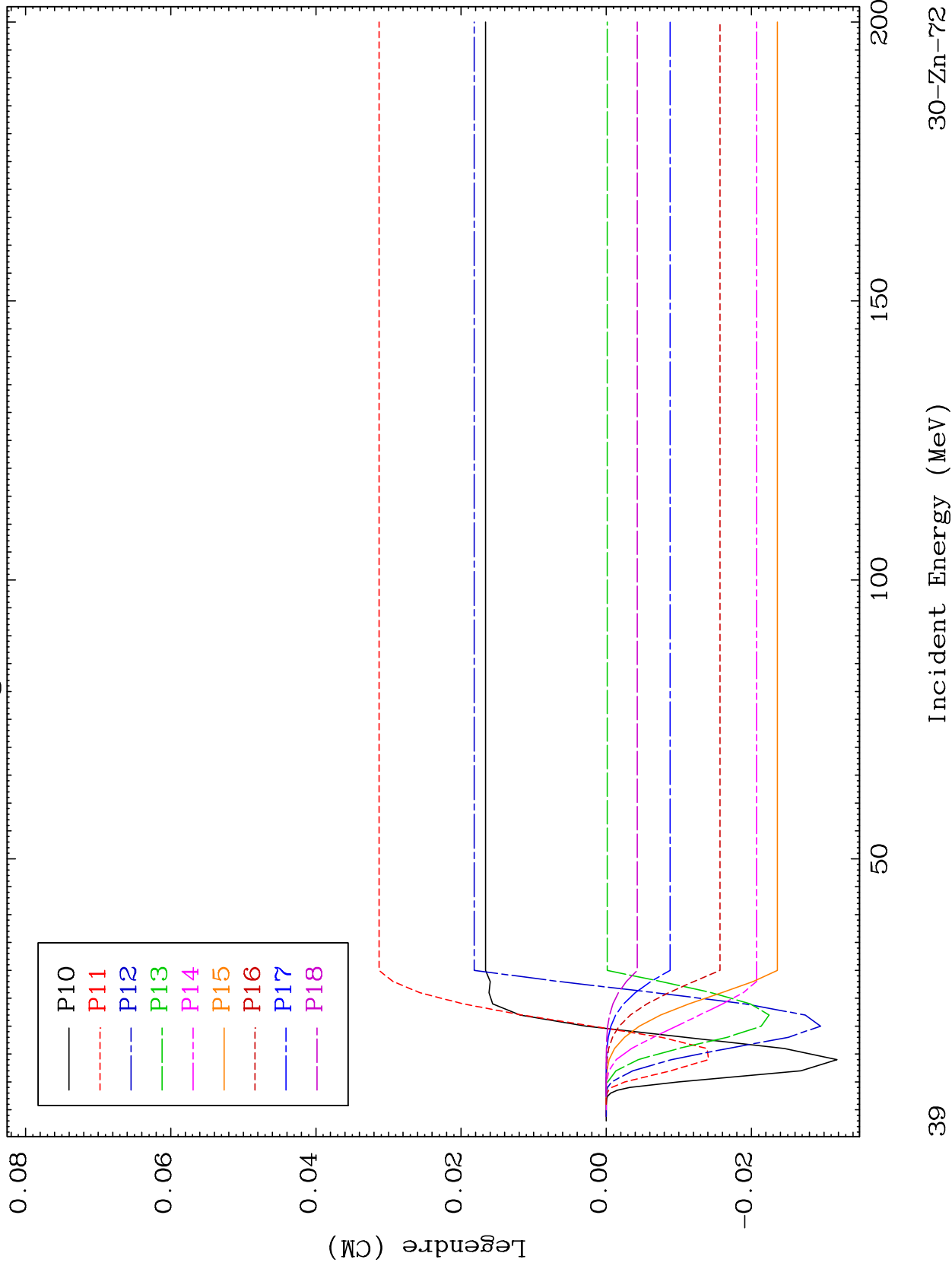
30-Zn-72



MAT 3049

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

30-Zn-72



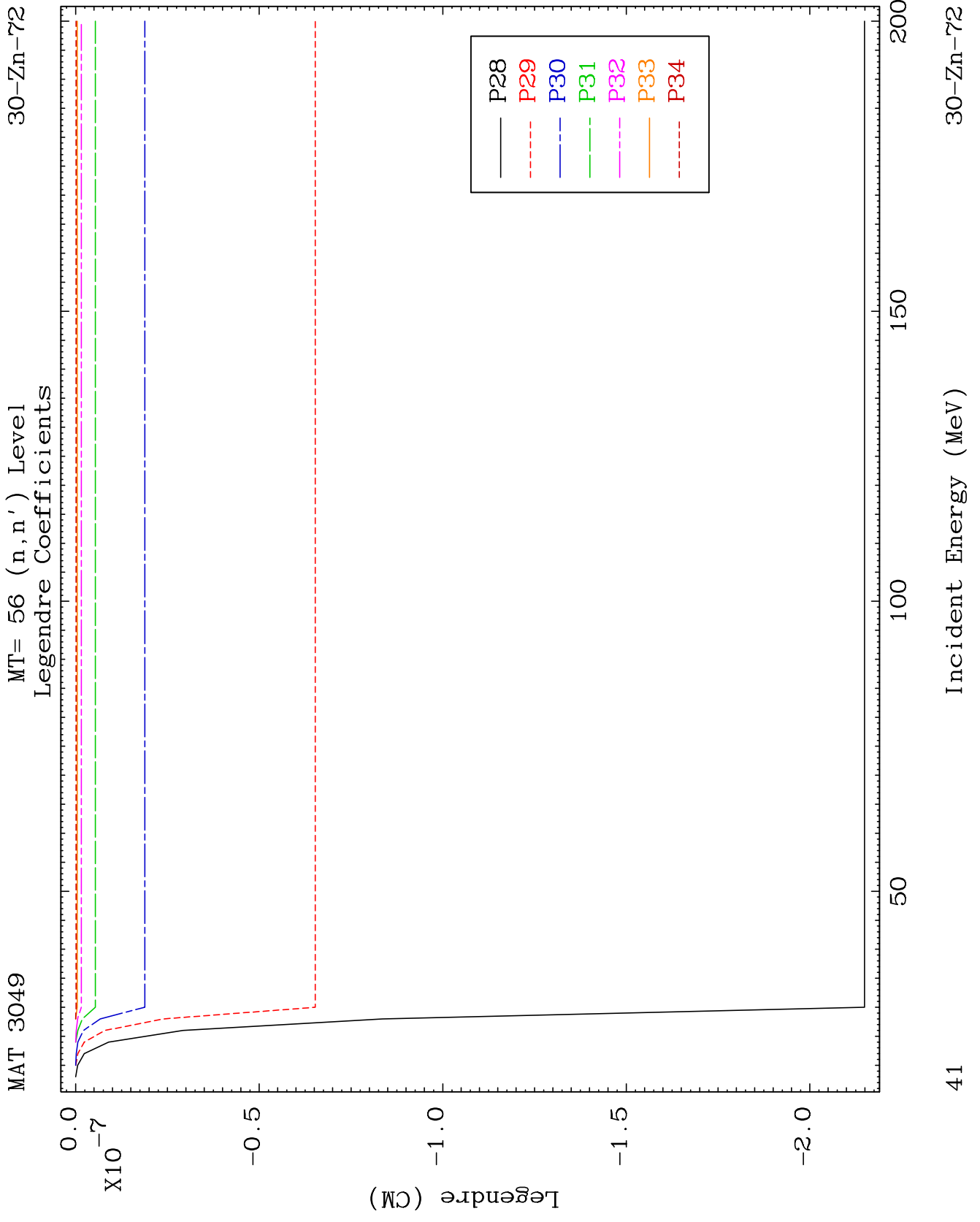
39

Incident Energy (MeV)

30-Zn-72



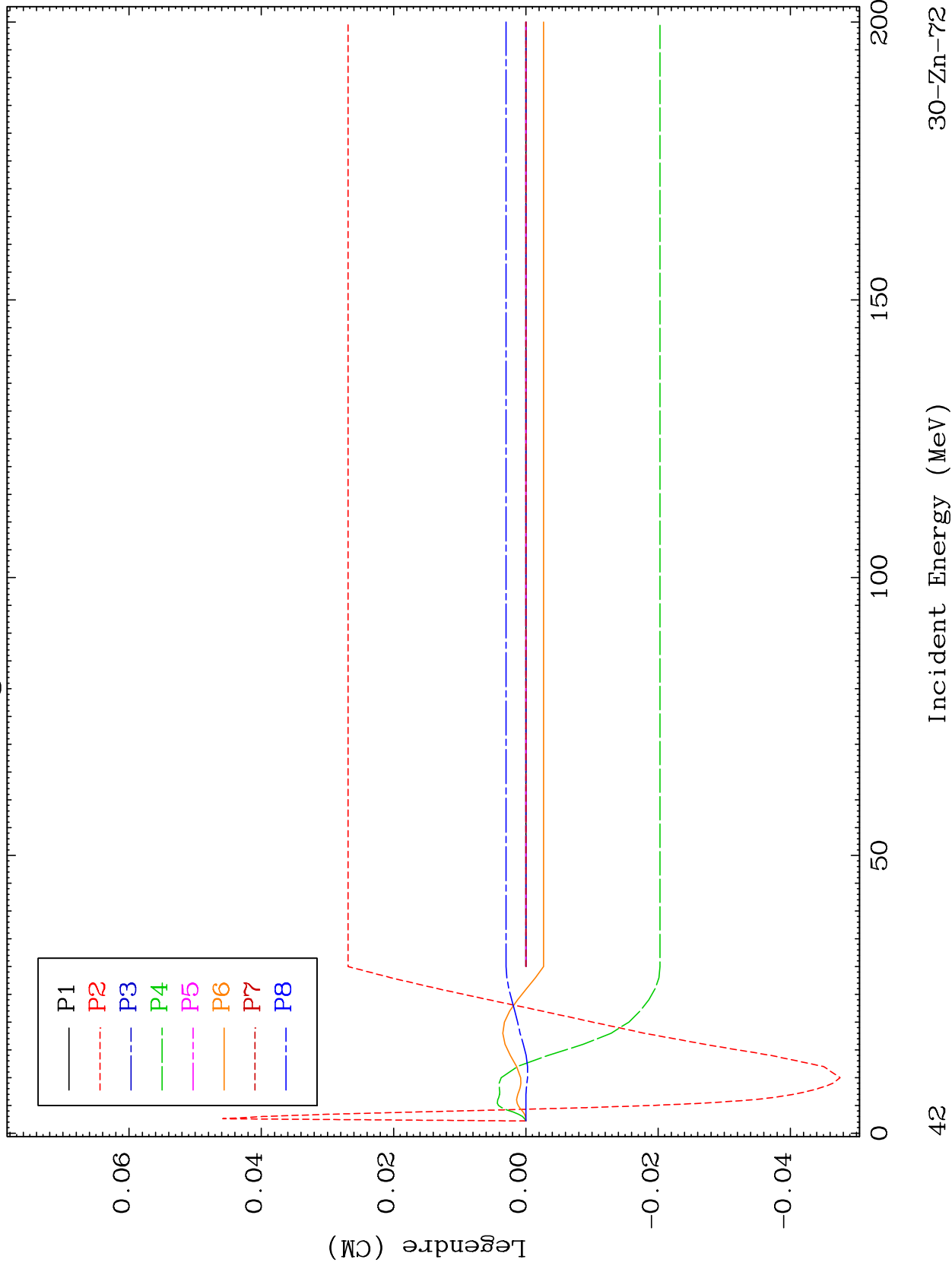




MAT 3049

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

30-Zn-72



42

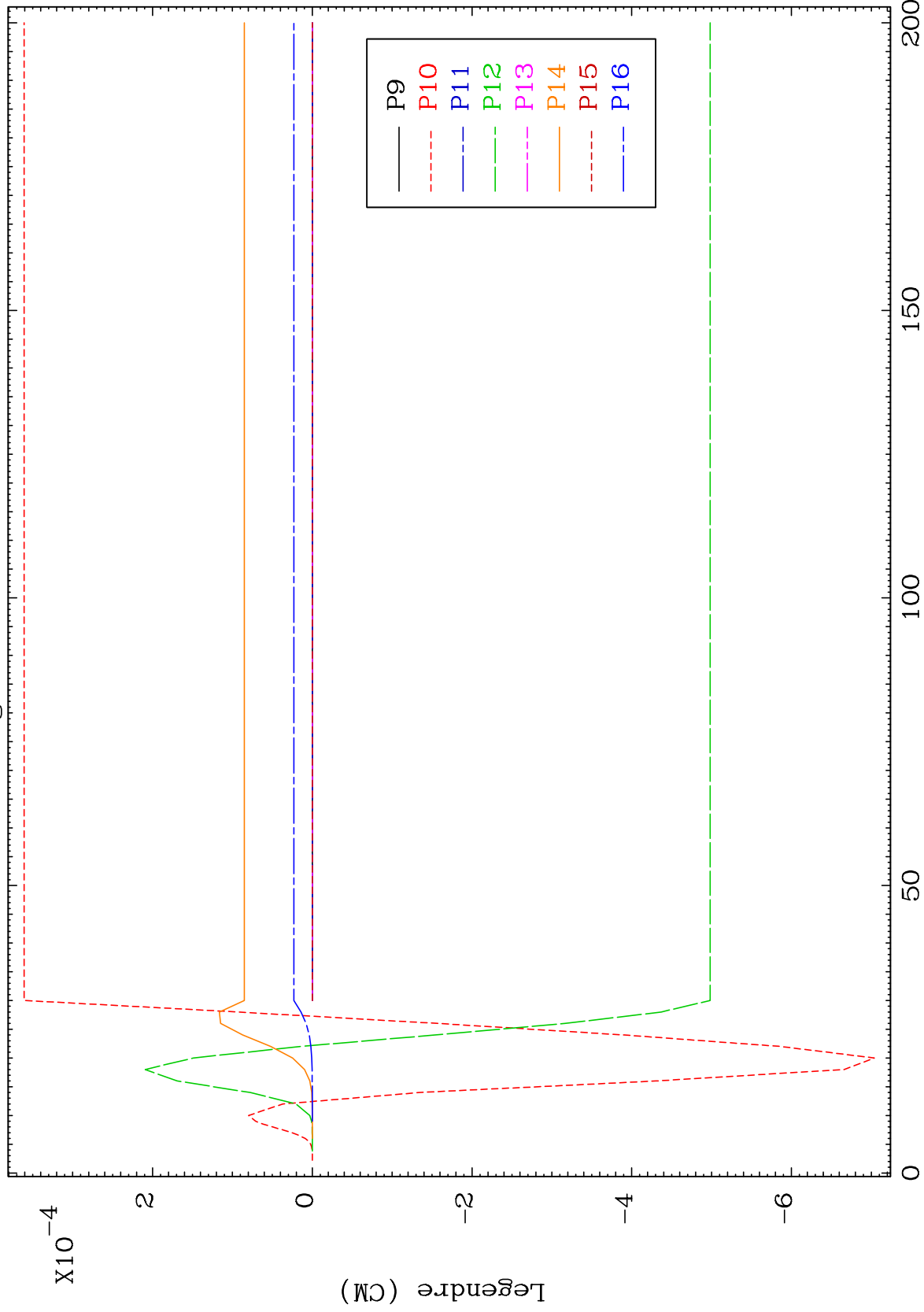
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

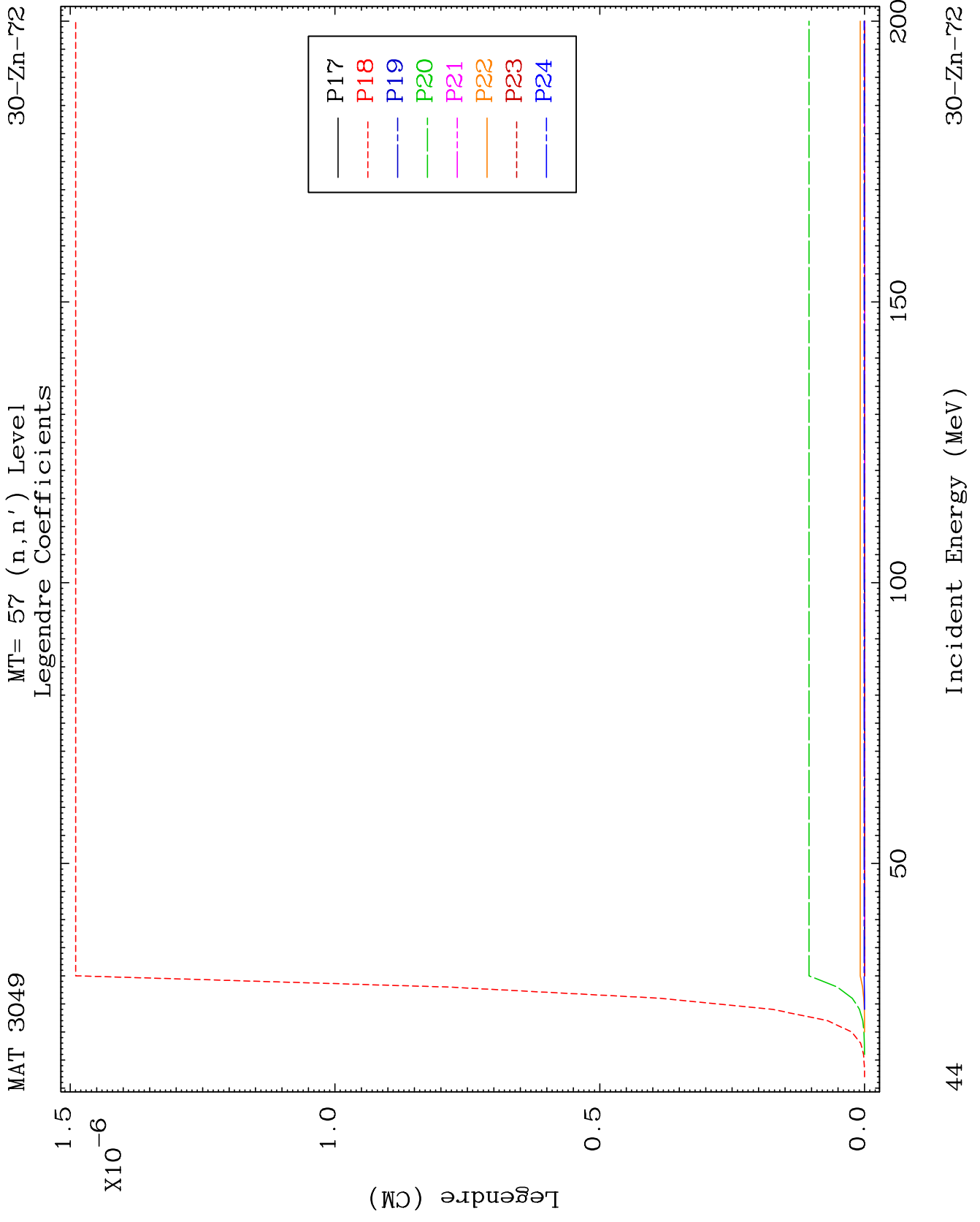
30-Zn-72

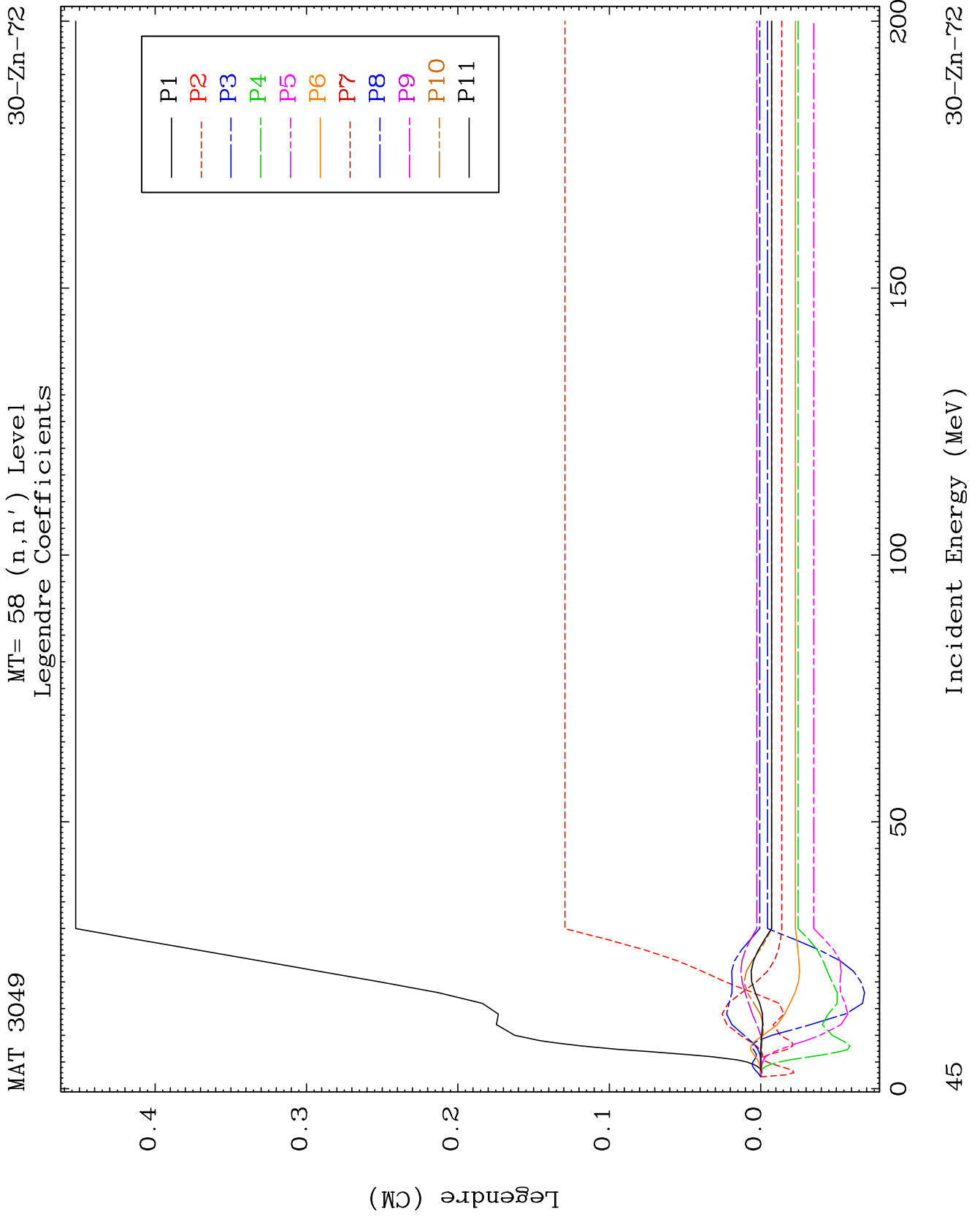


43

Incident Energy (MeV)

30-Zn-72

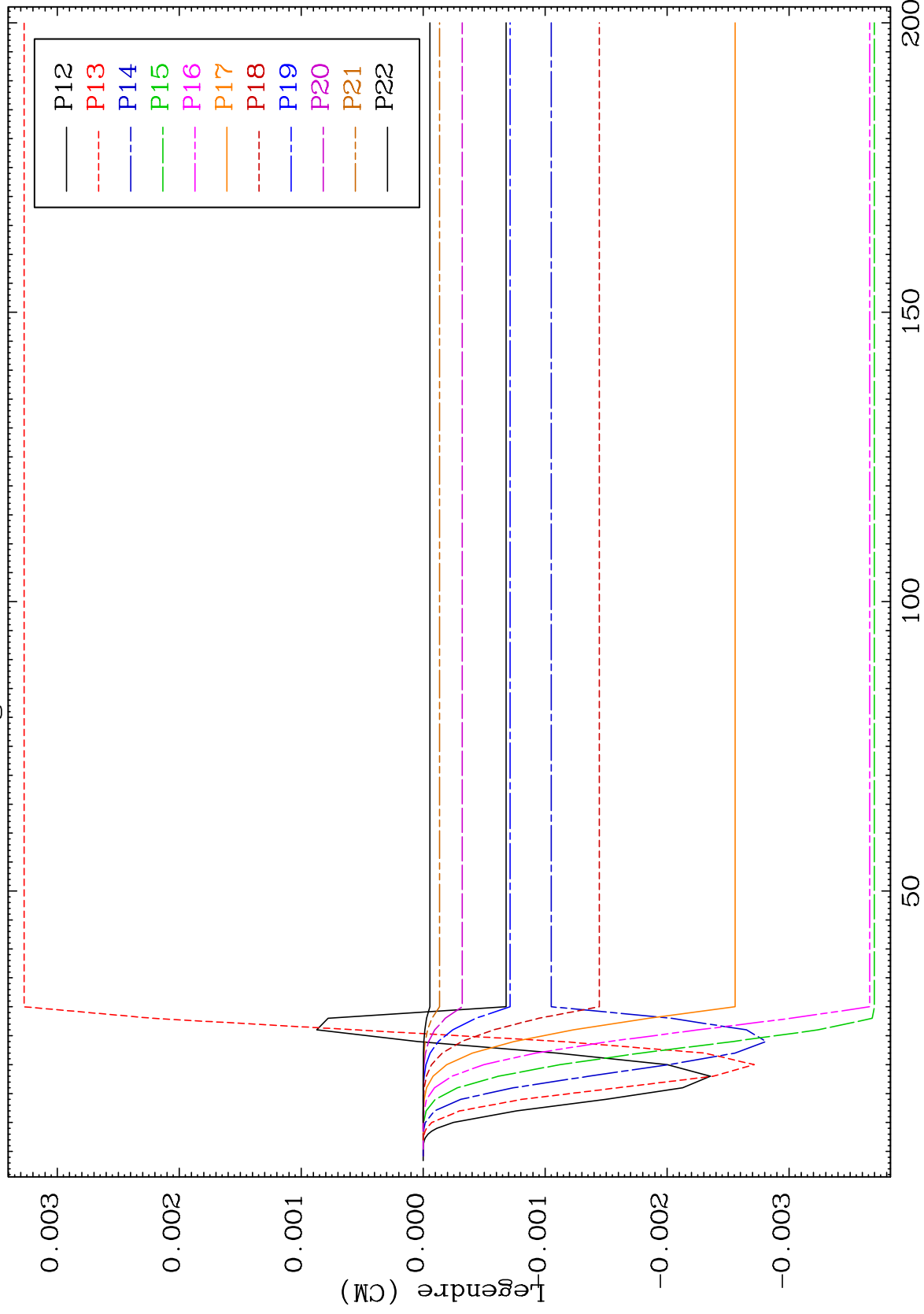




MAT 3049

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

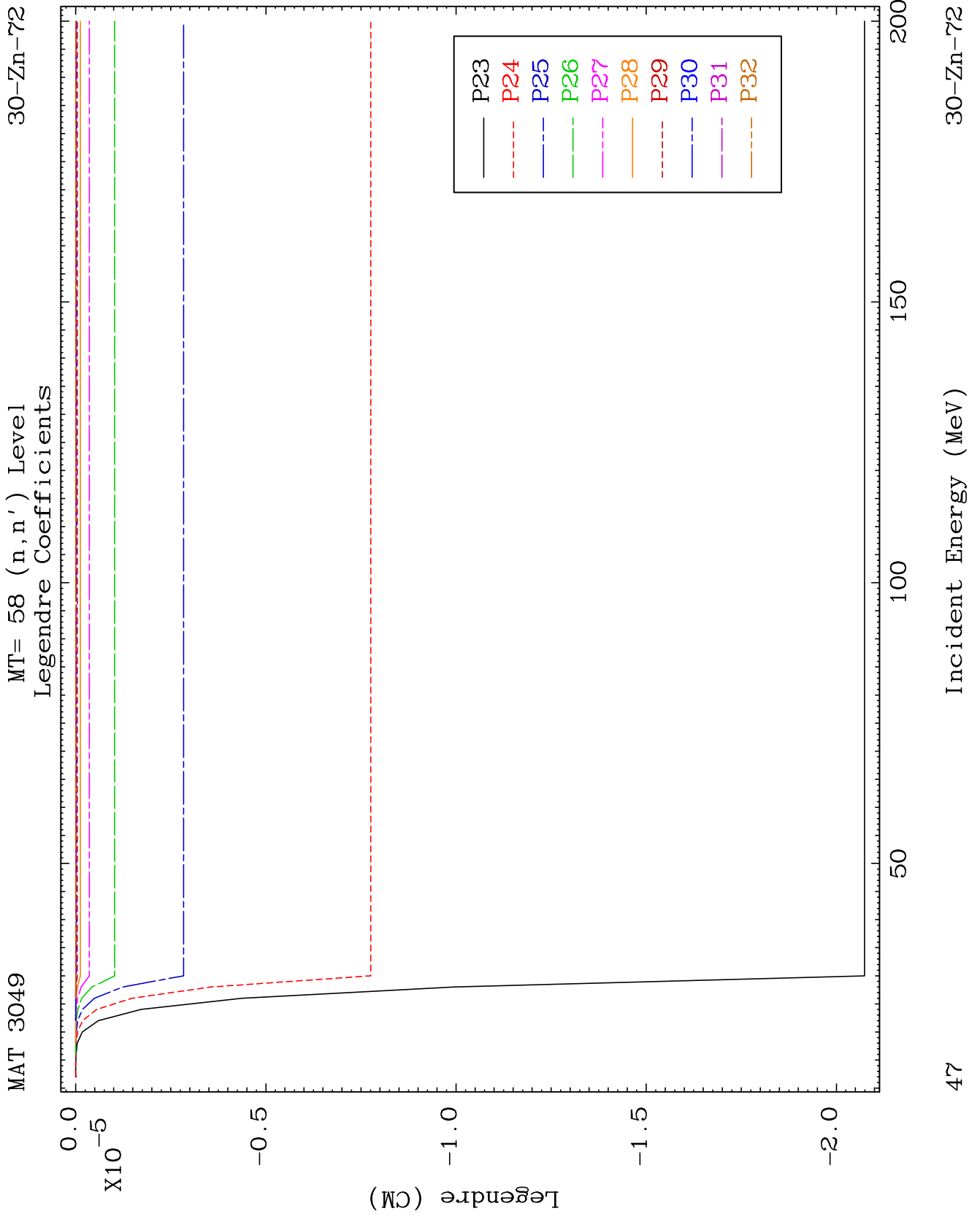
30-Zn-72



46

Incident Energy (MeV)

30-Zn-72

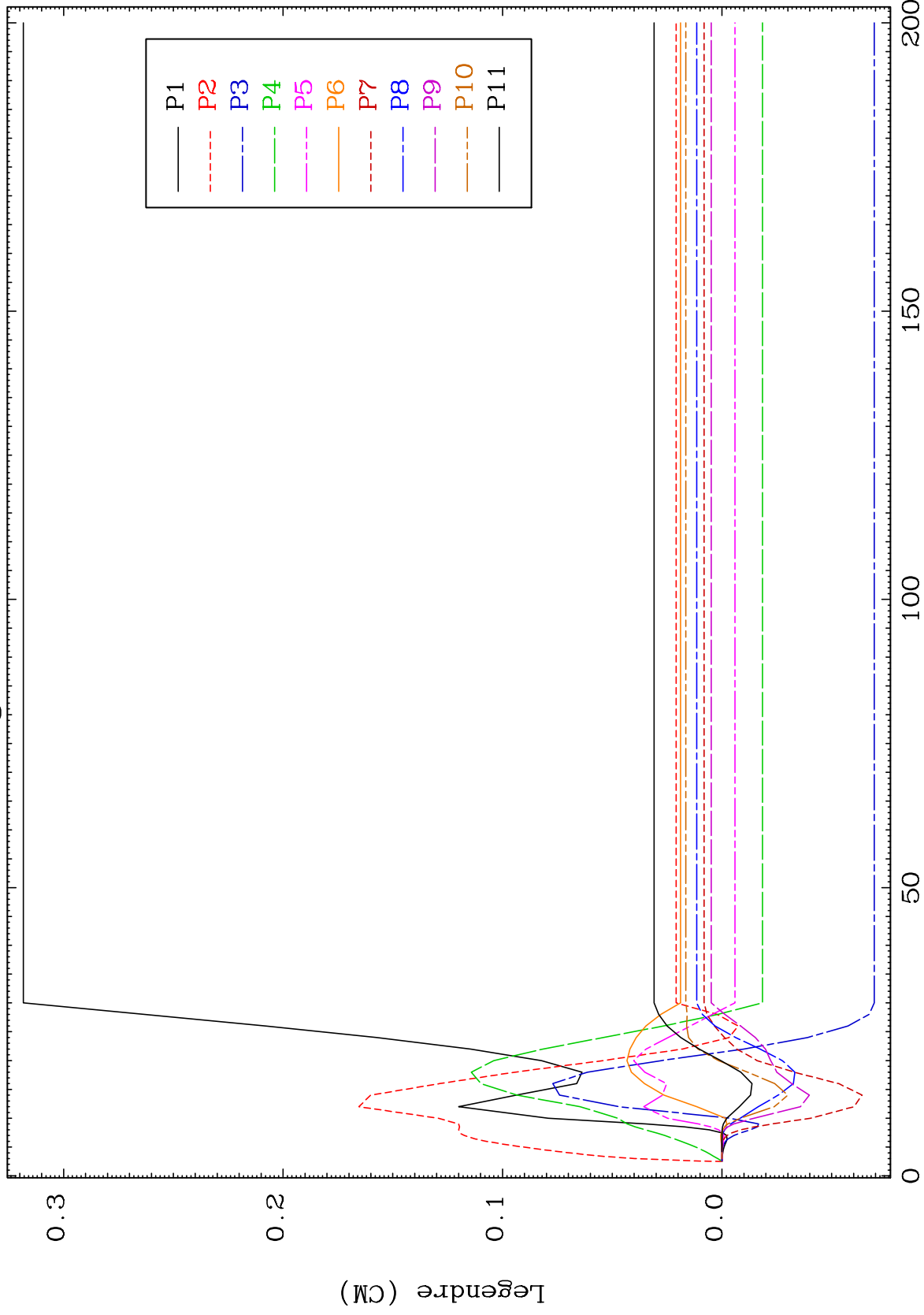




MAT 3049

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

30-Zn-72



48

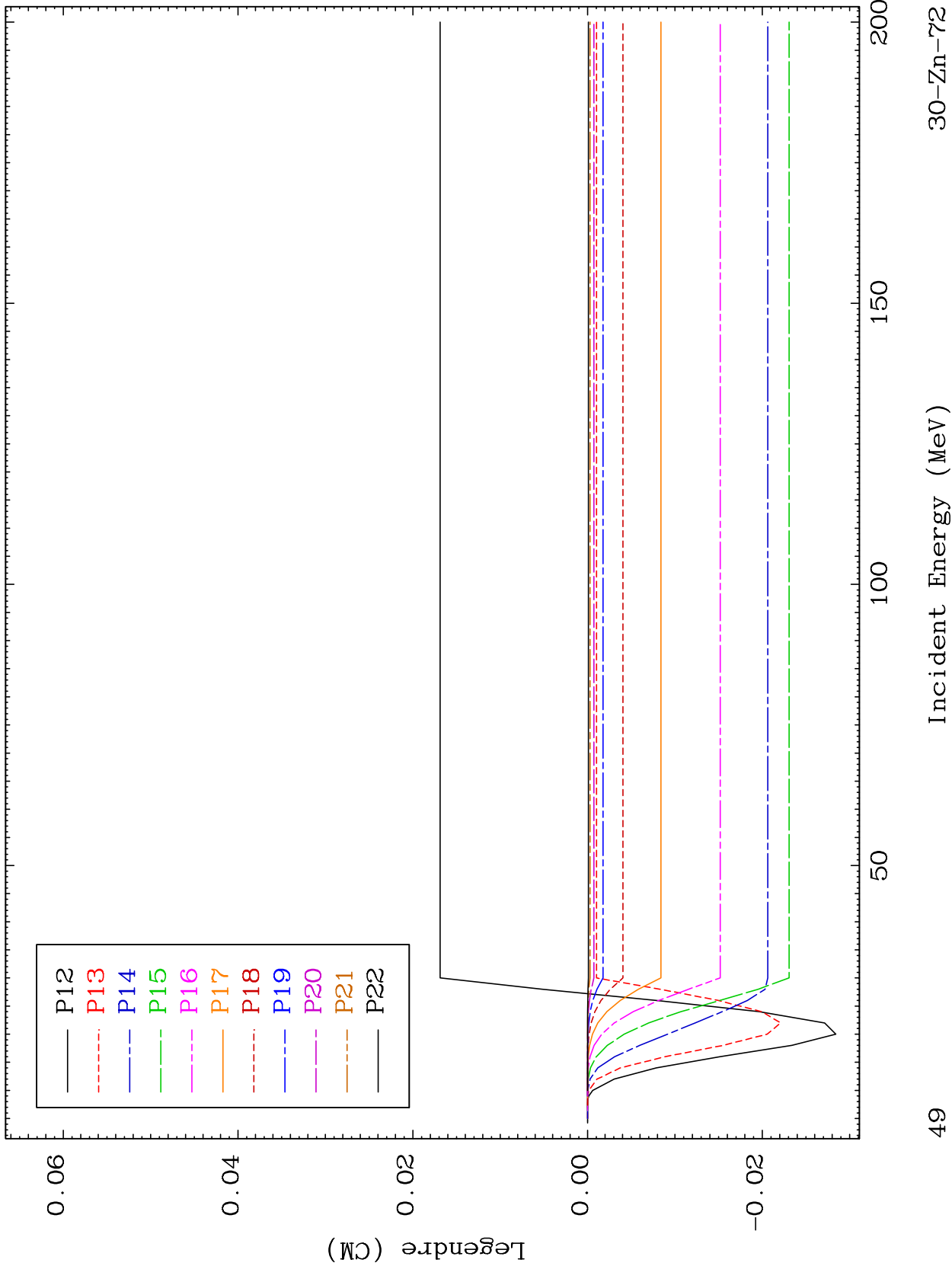
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

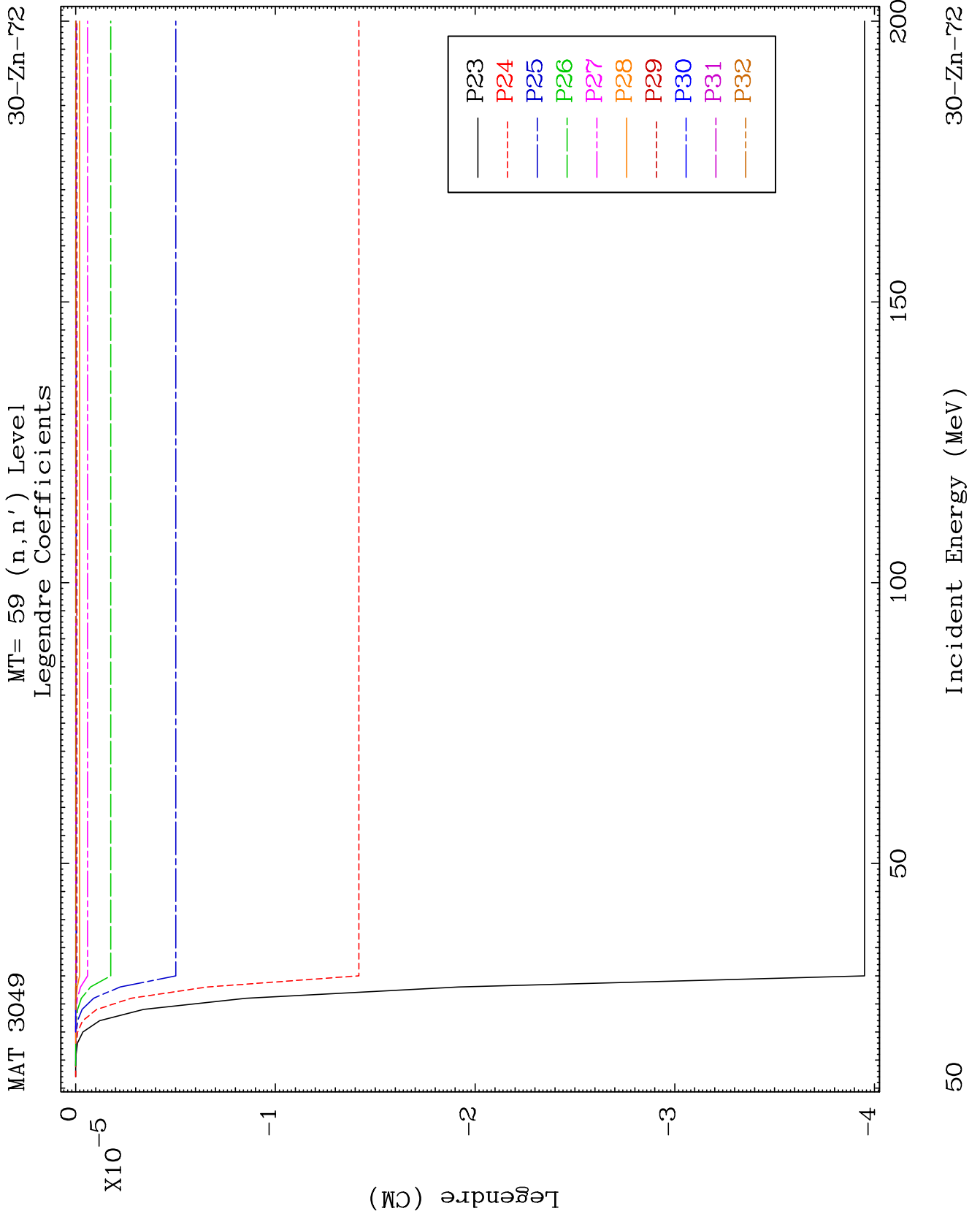
30-Zn-72

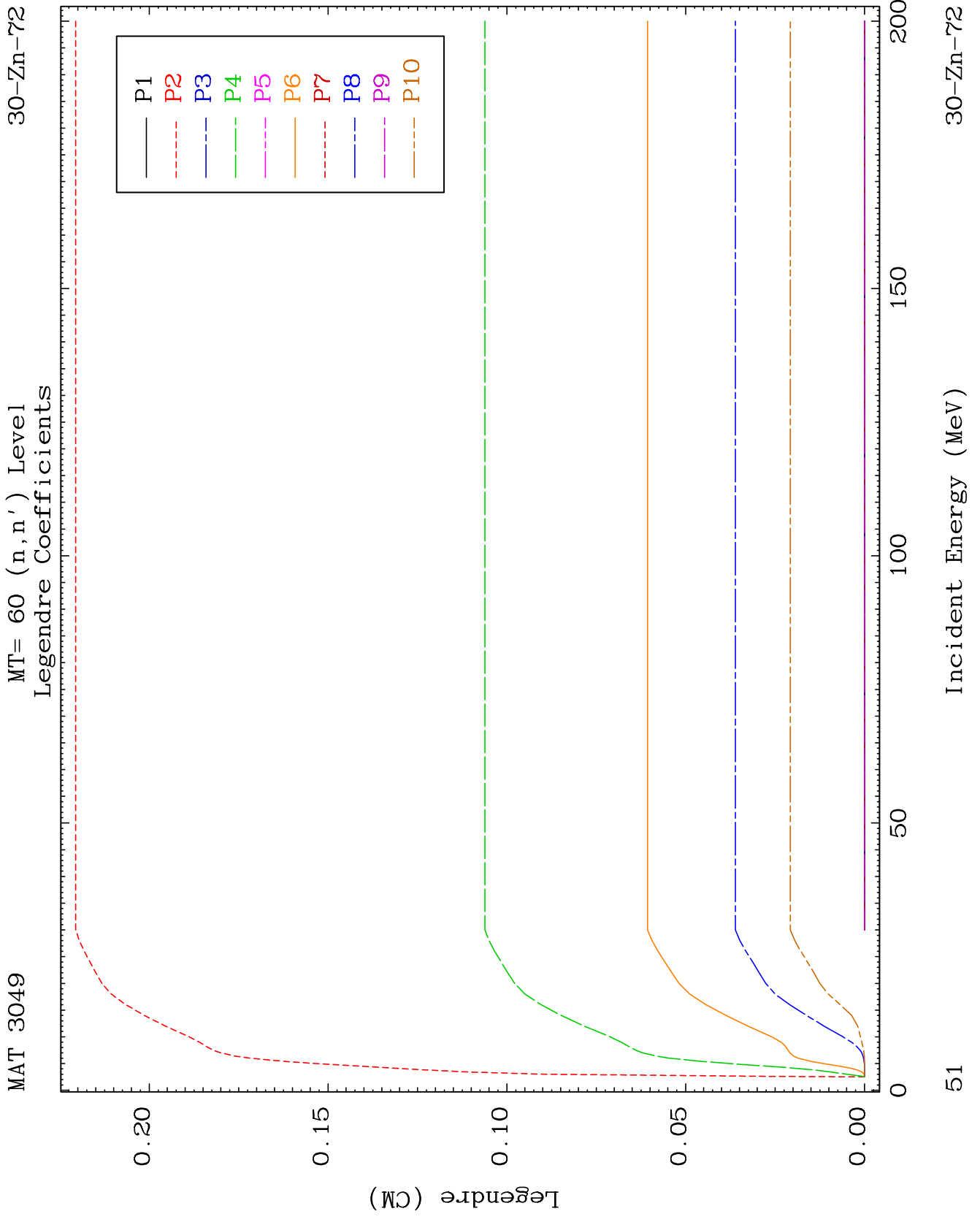


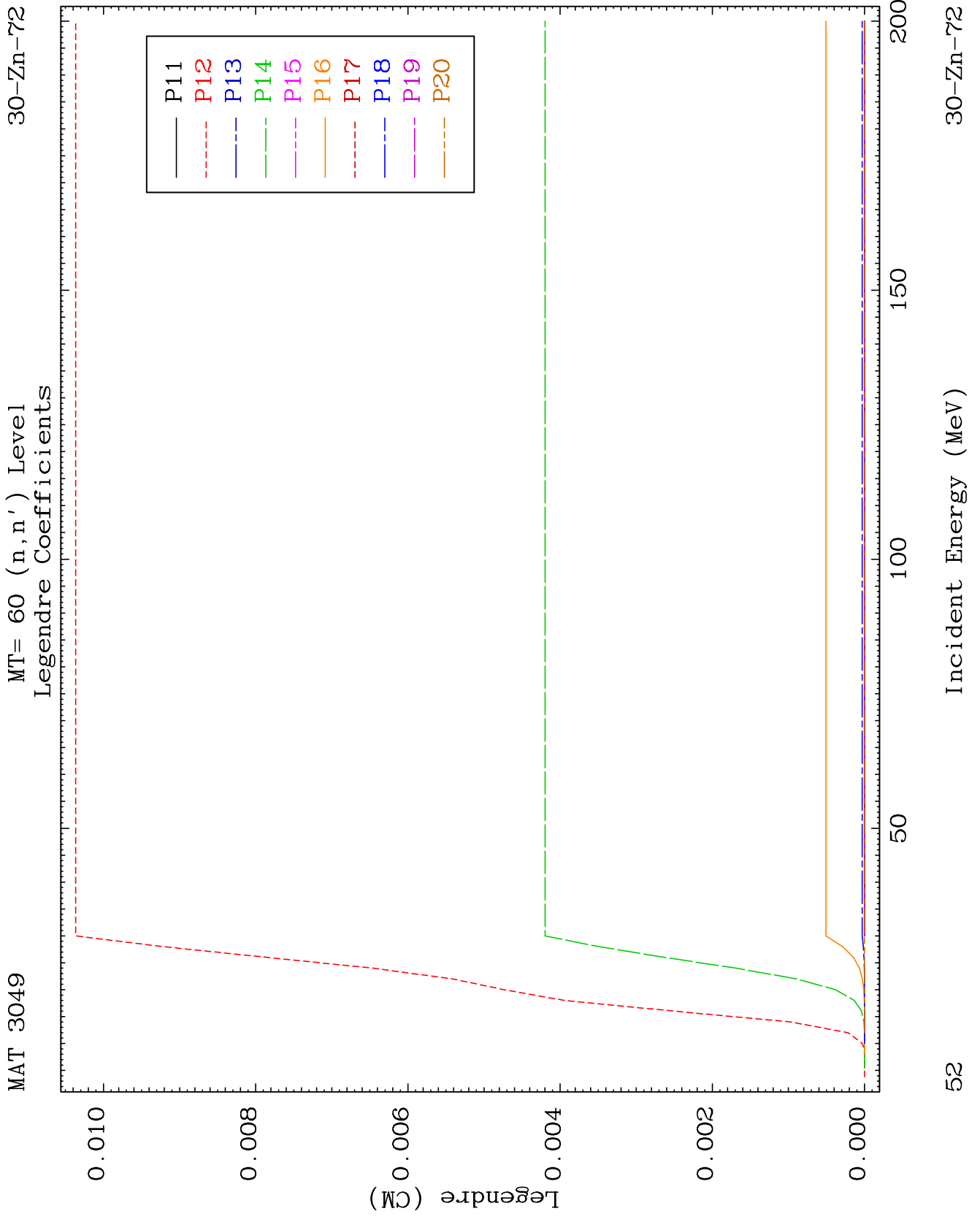
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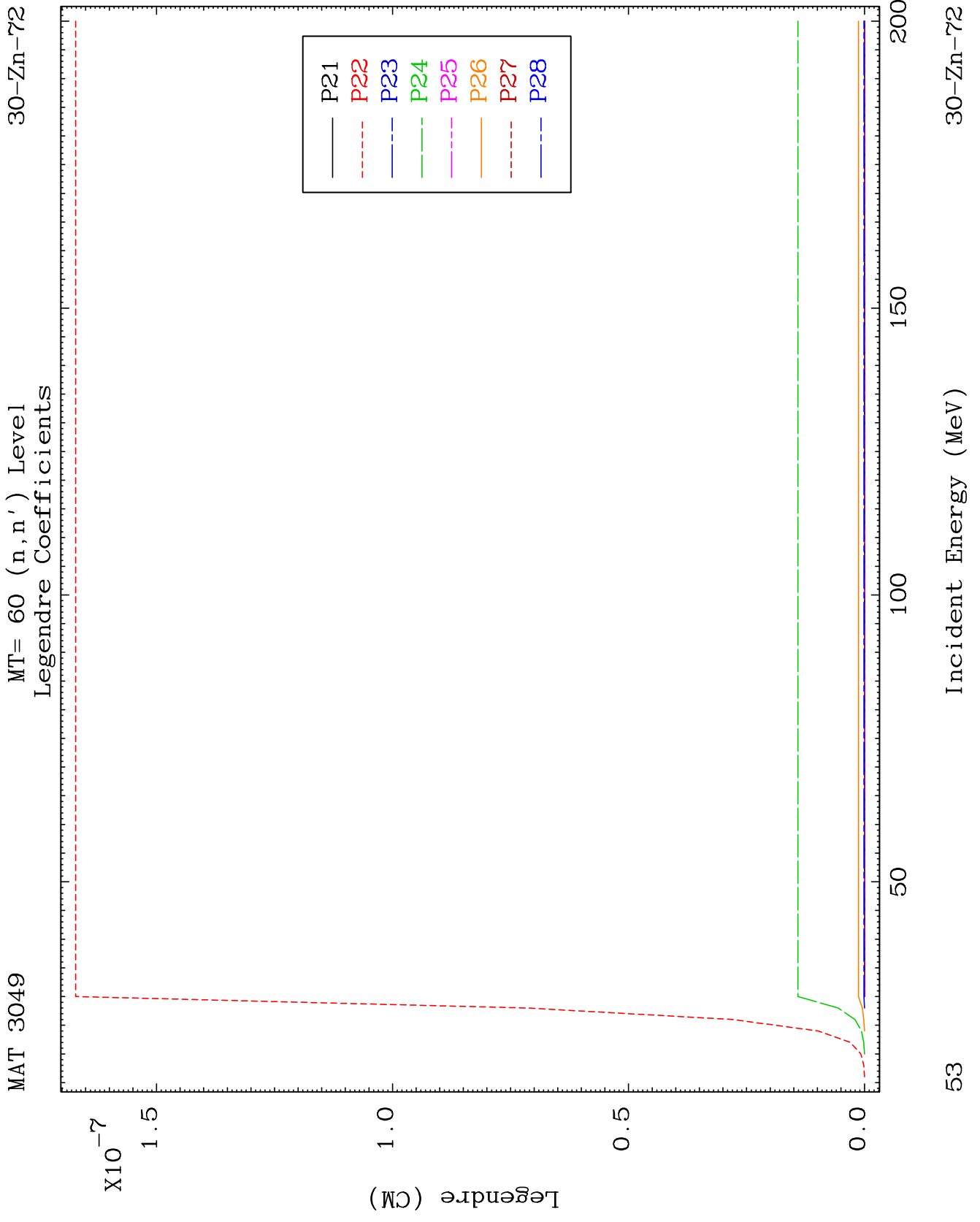
Incident Energy (MeV)

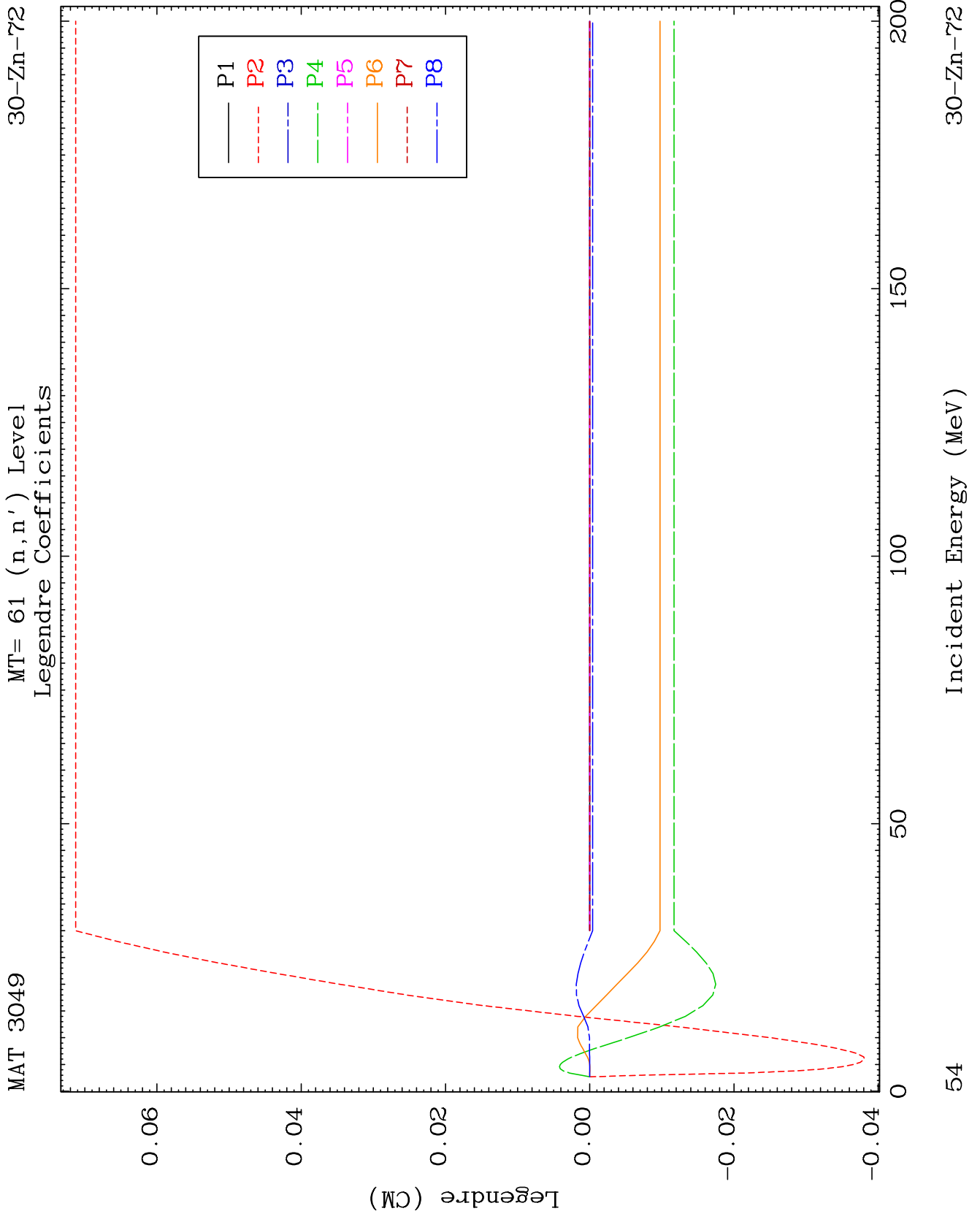
30-Zn-72

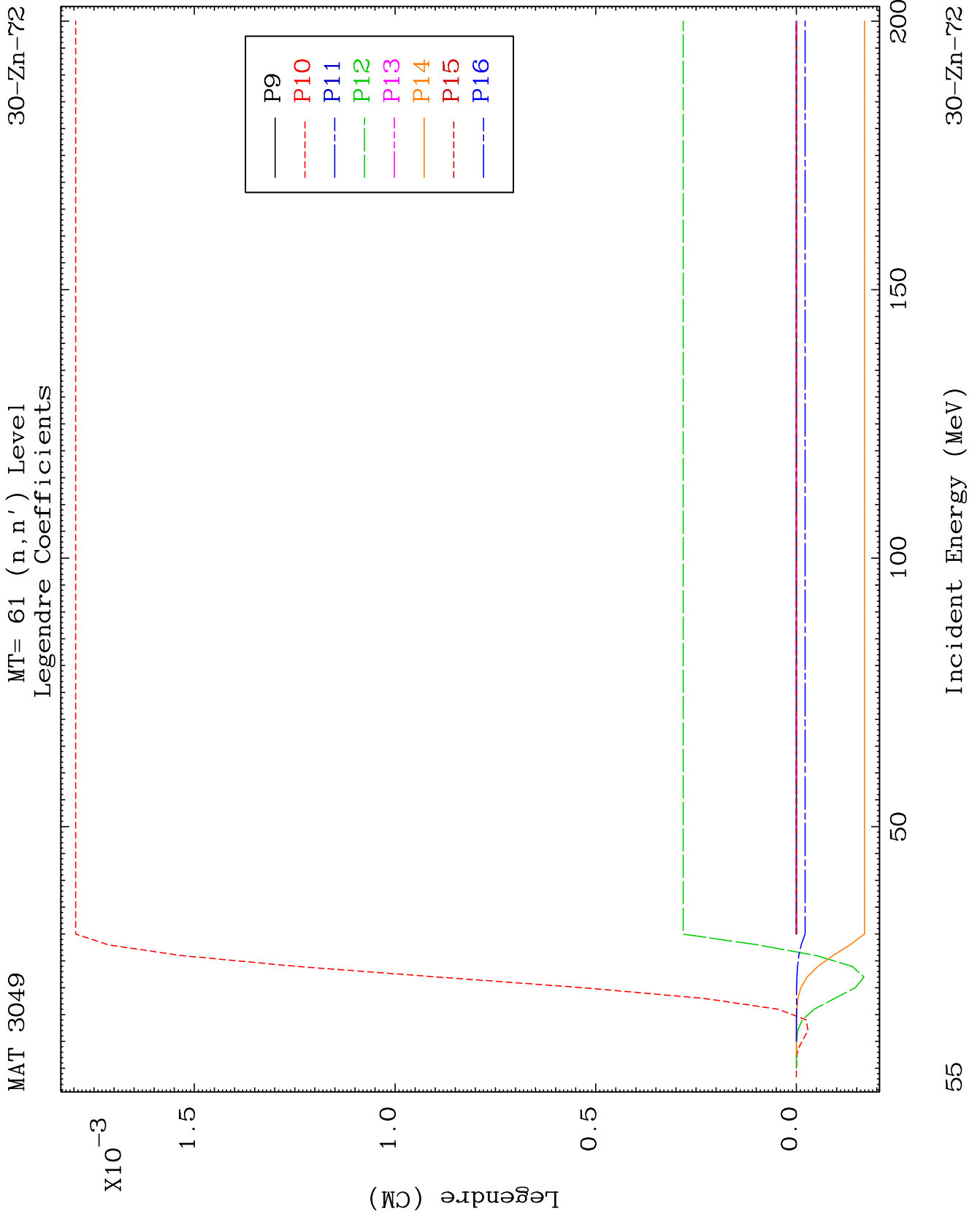








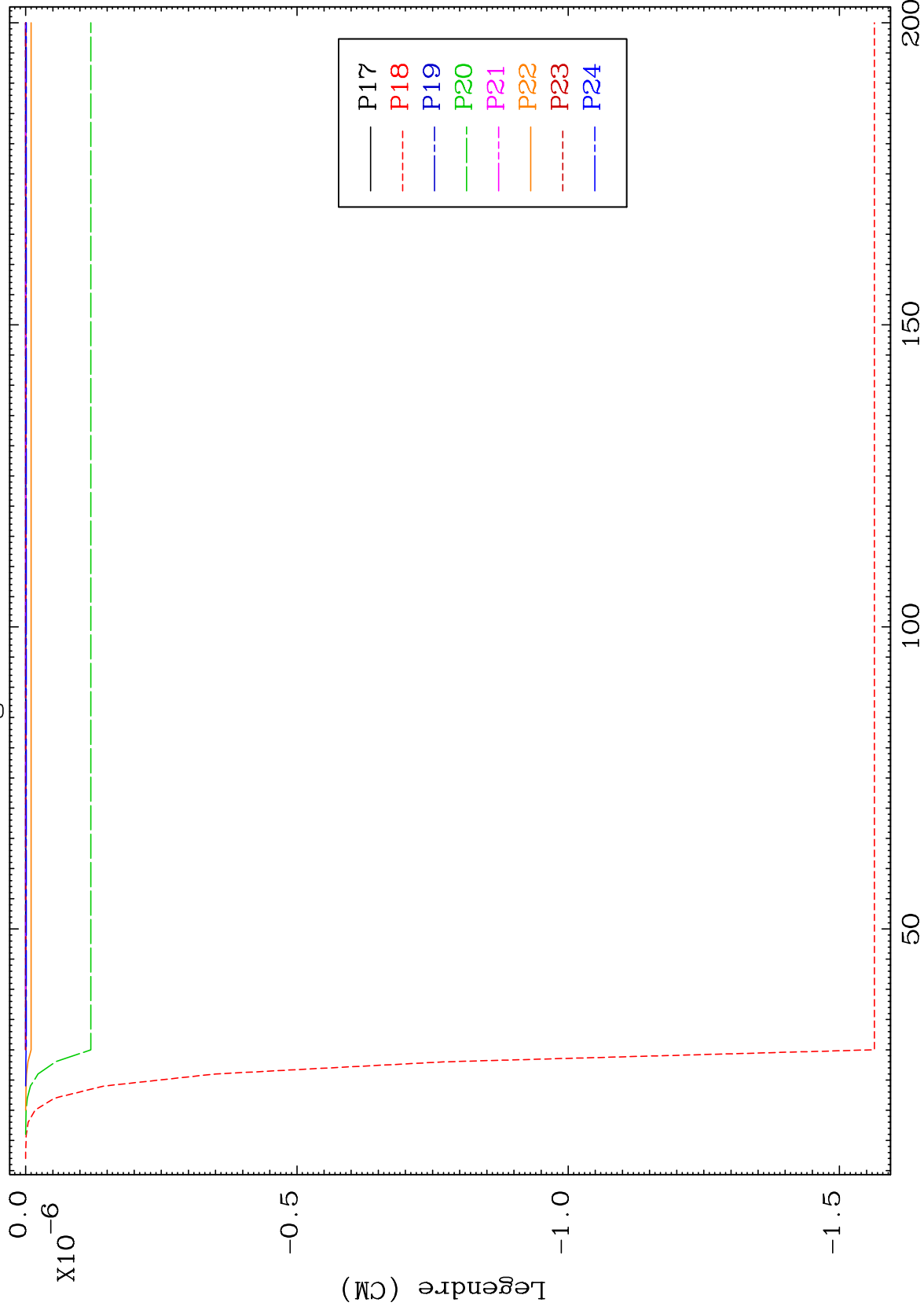






MAT 3049 MT= 61 (n,n') Level 30-Zn-72

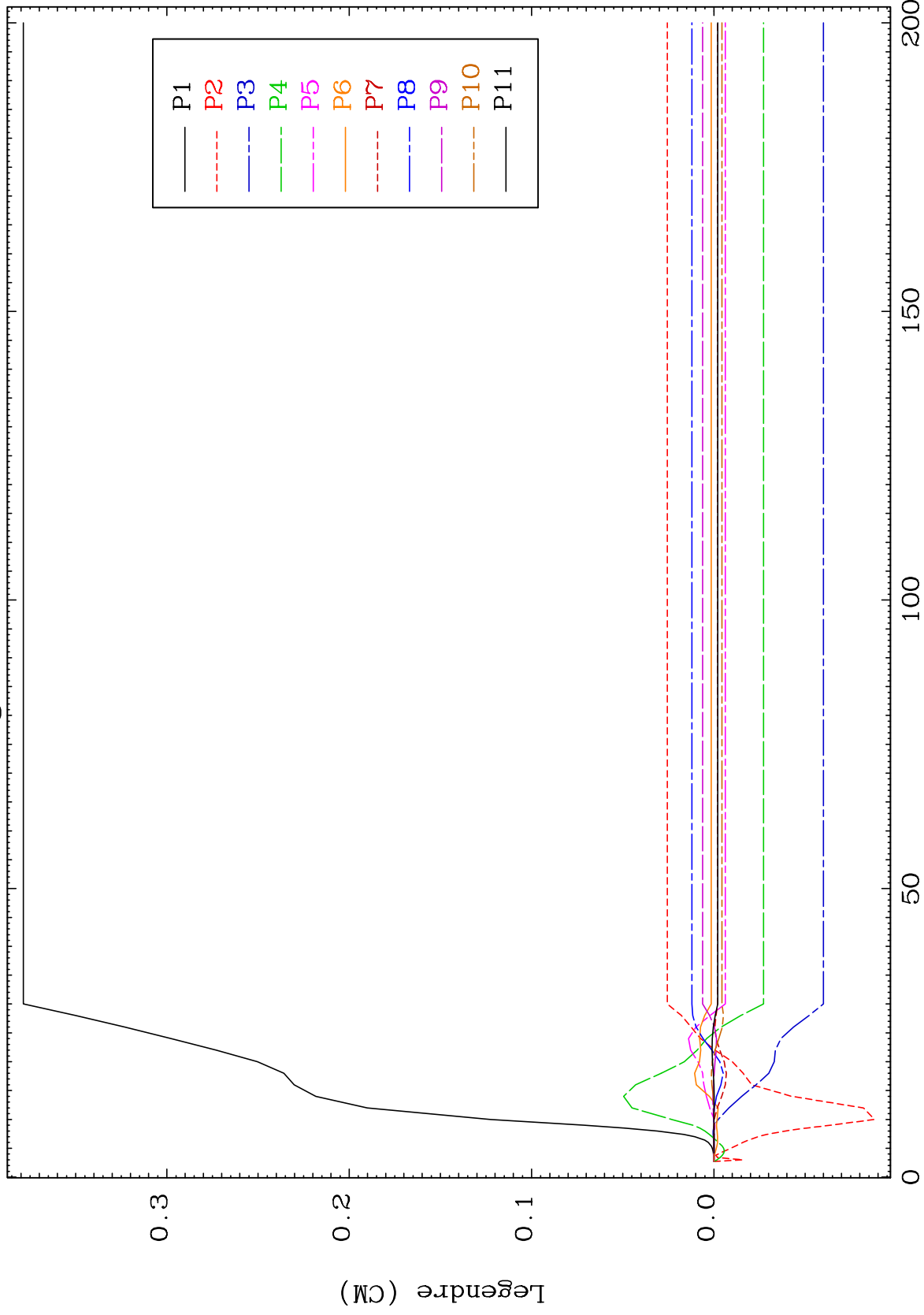
Legendre Coefficients



MAT 3049

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

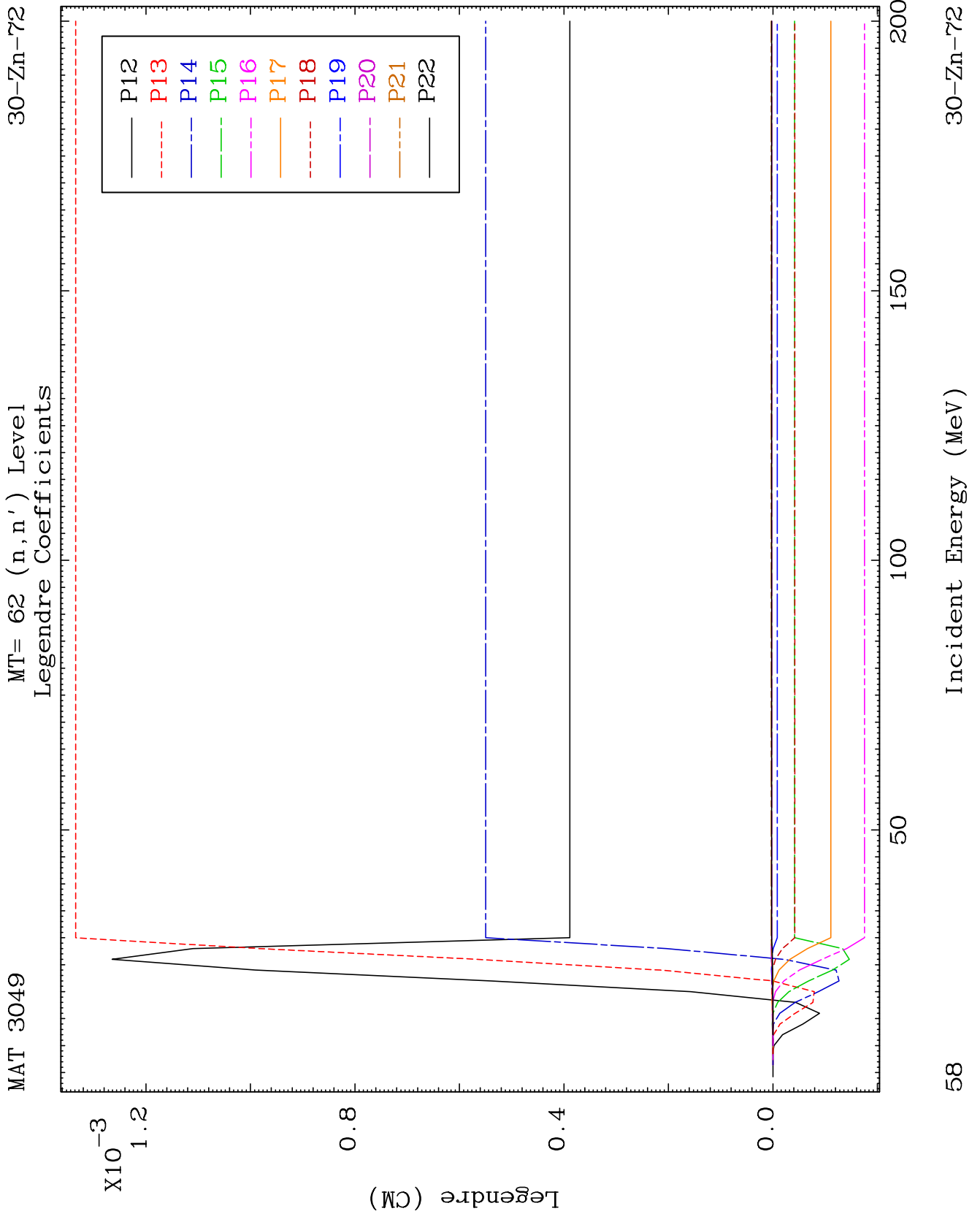
30-Zn-72

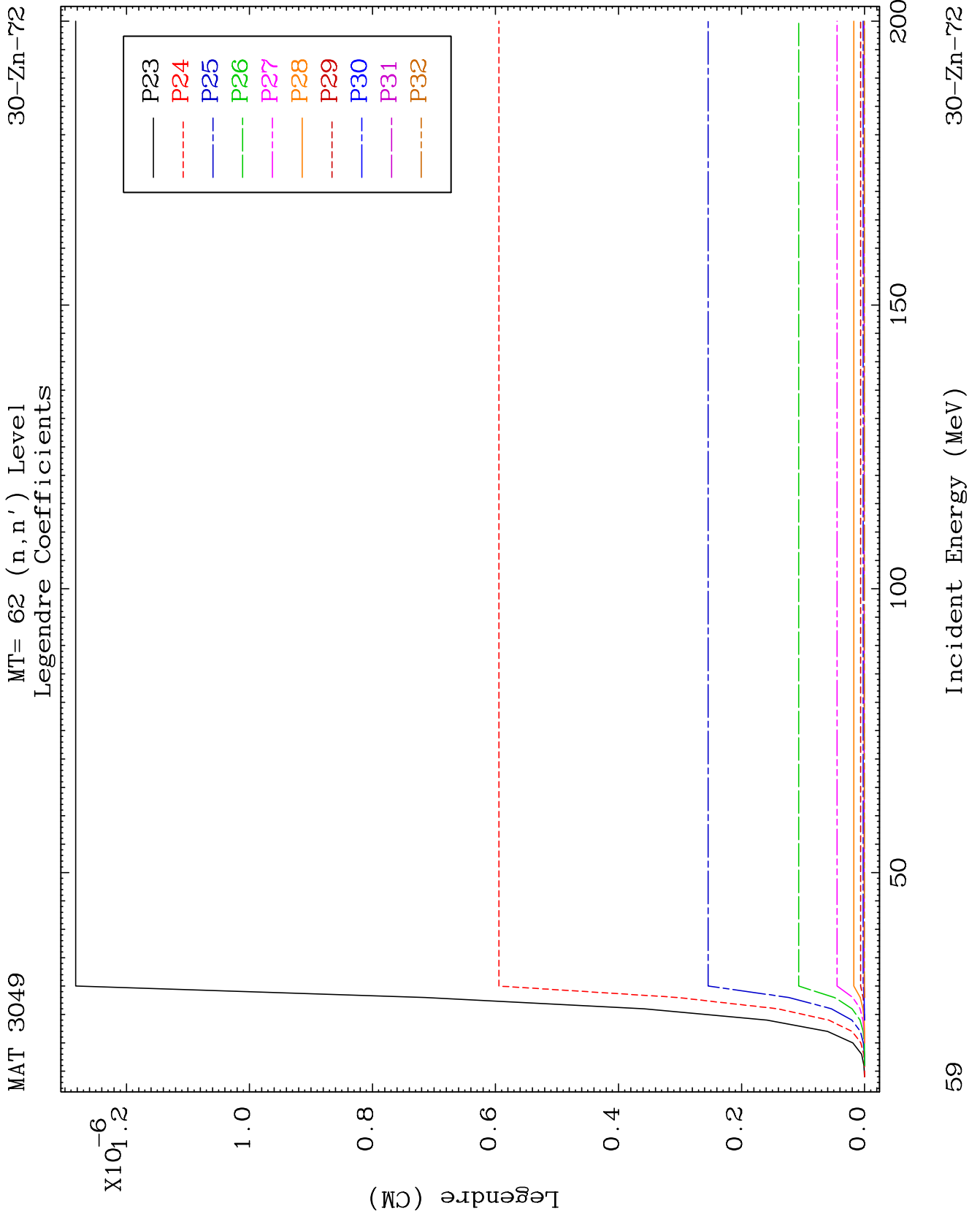


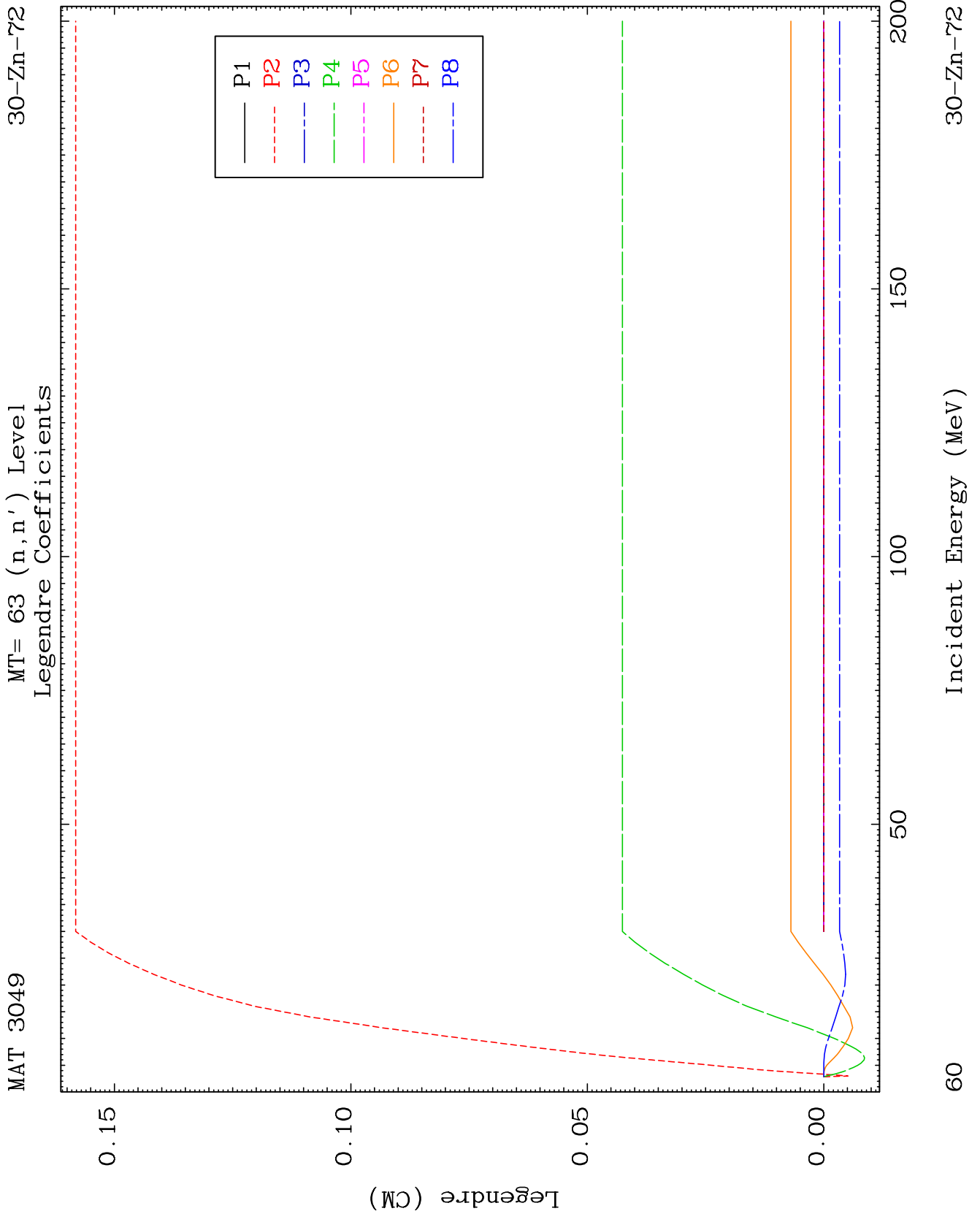
57

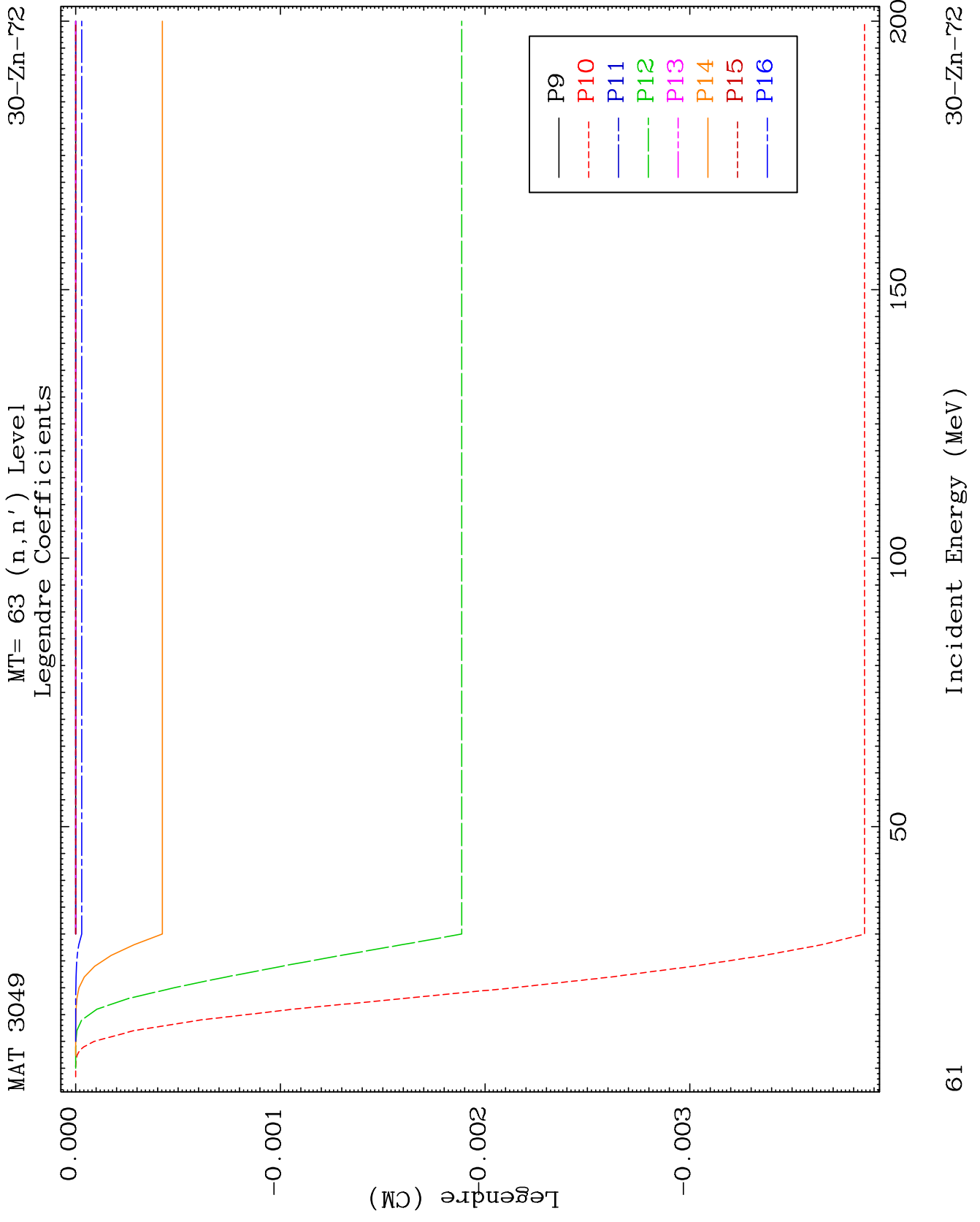
Incident Energy (MeV)

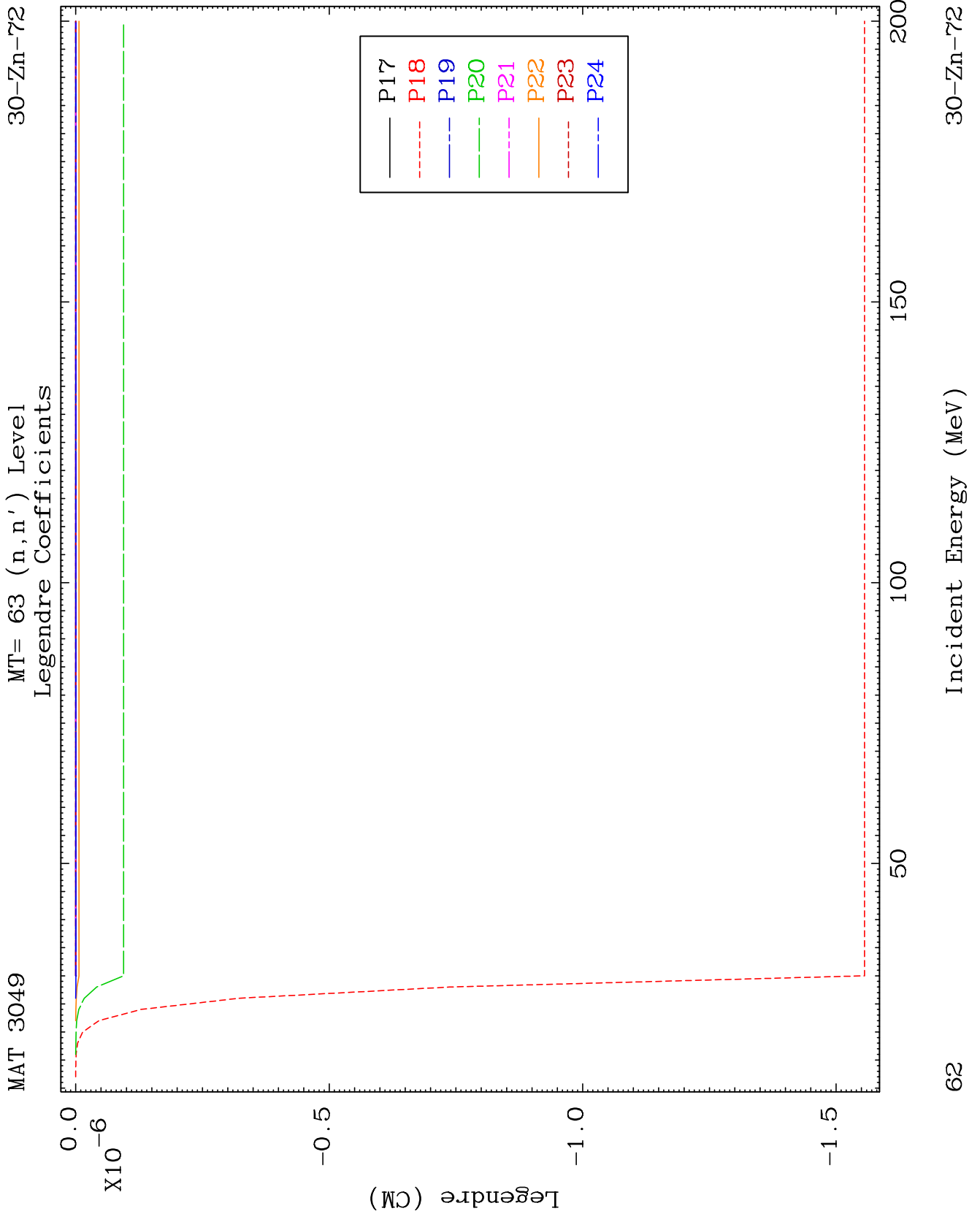
30-Zn-72







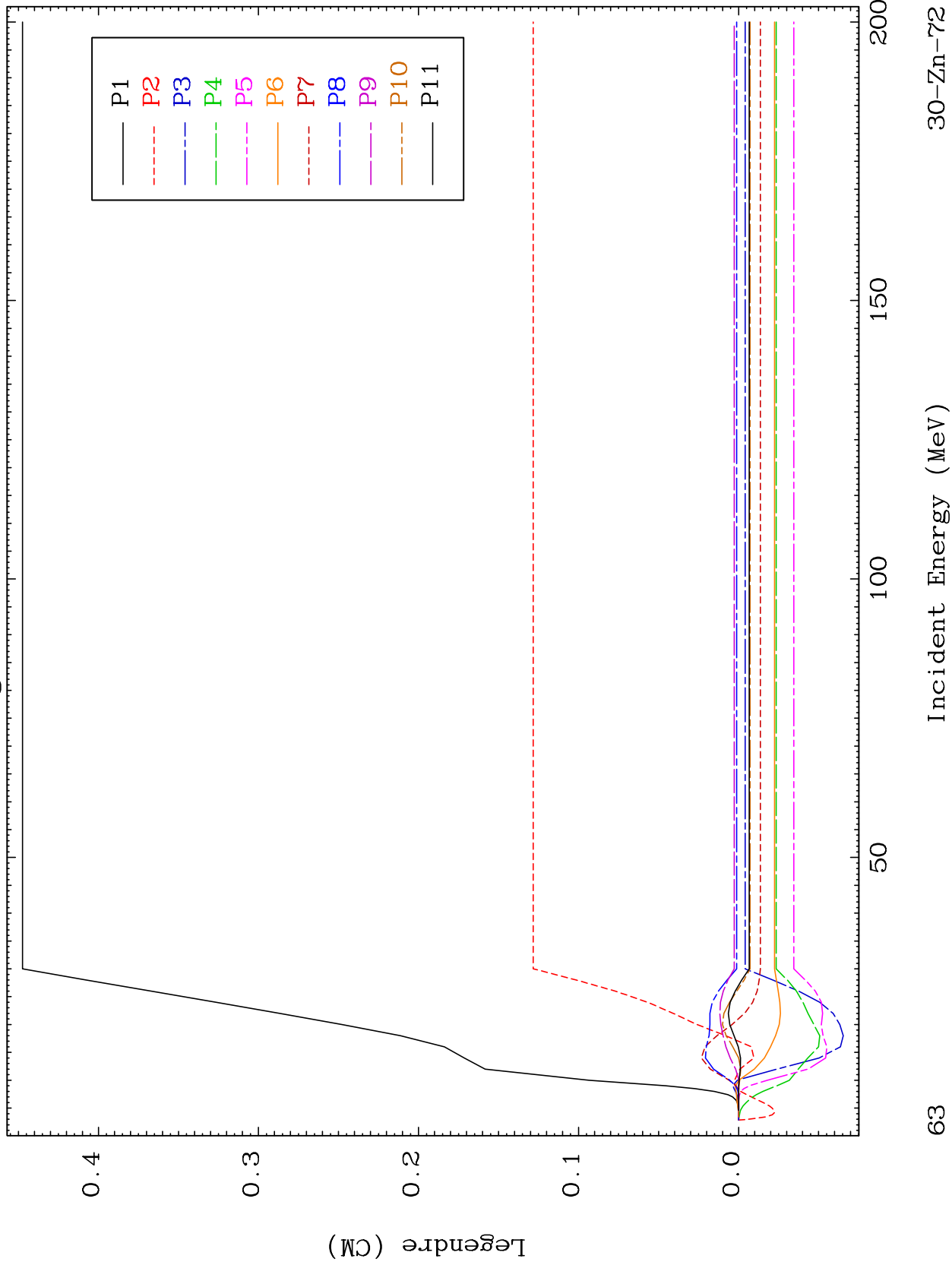




MAT 3049

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

30-Zn-72



63

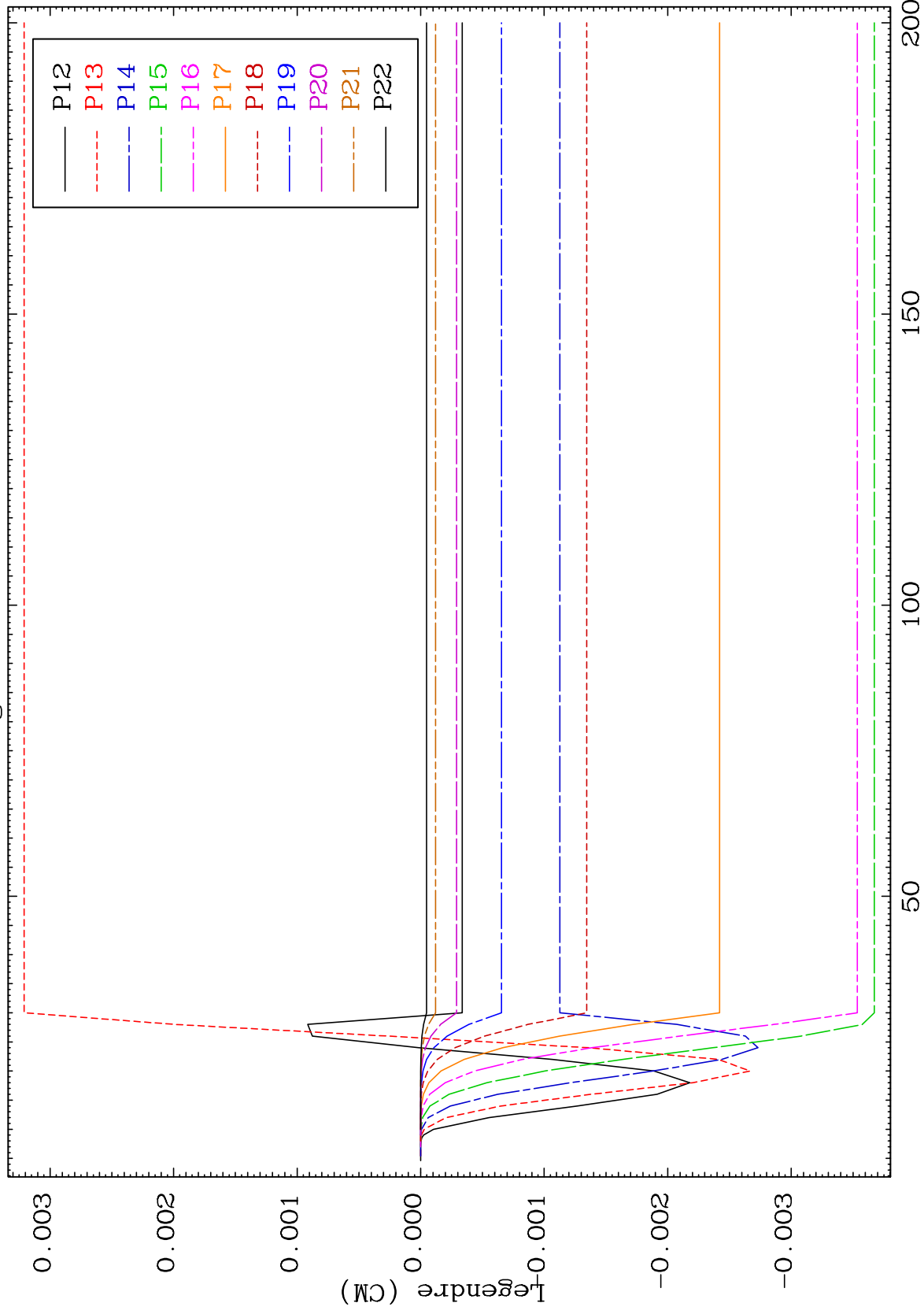
30-Zn-72



MAT 3049

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

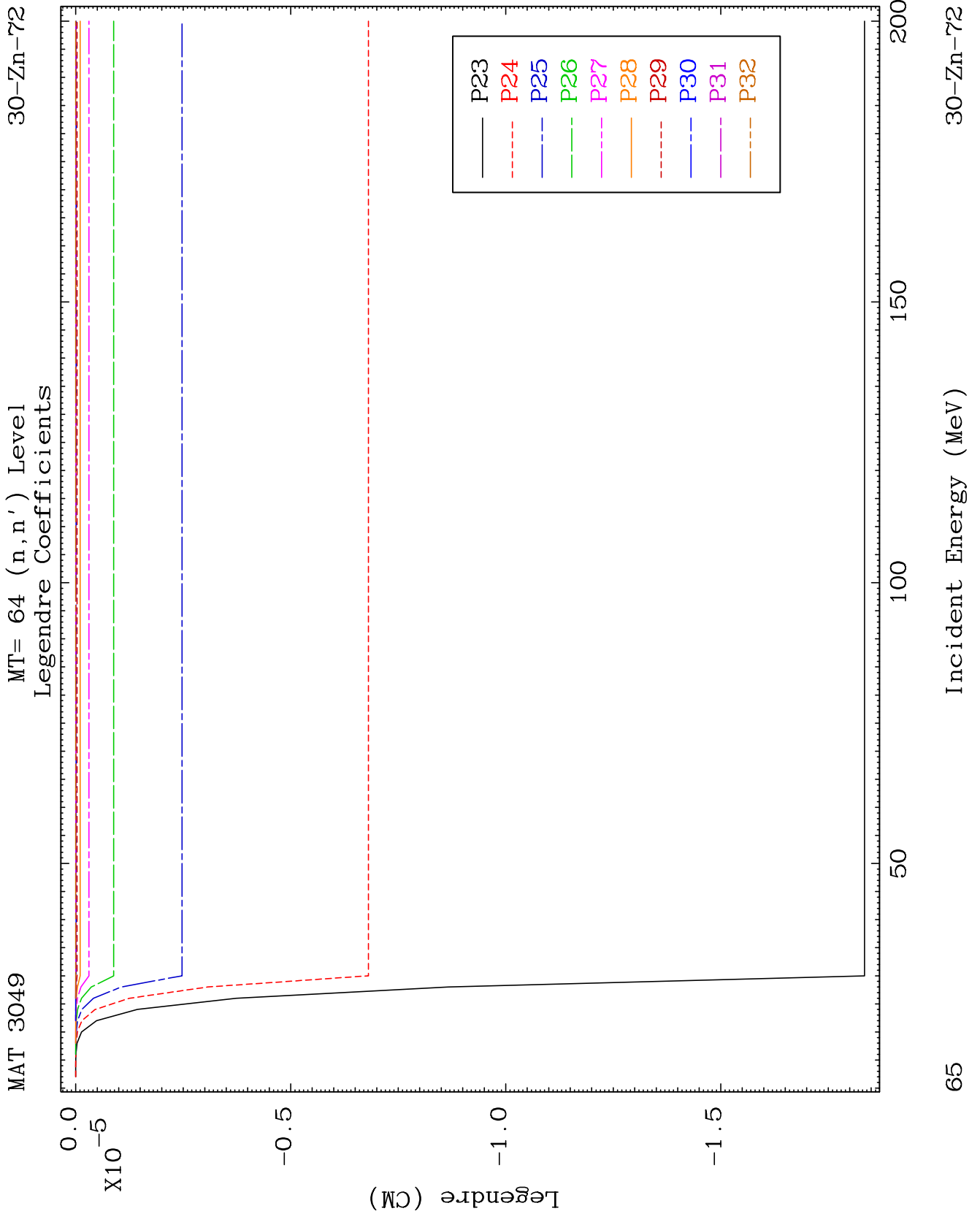
30-Zn-72



64

Incident Energy (MeV)

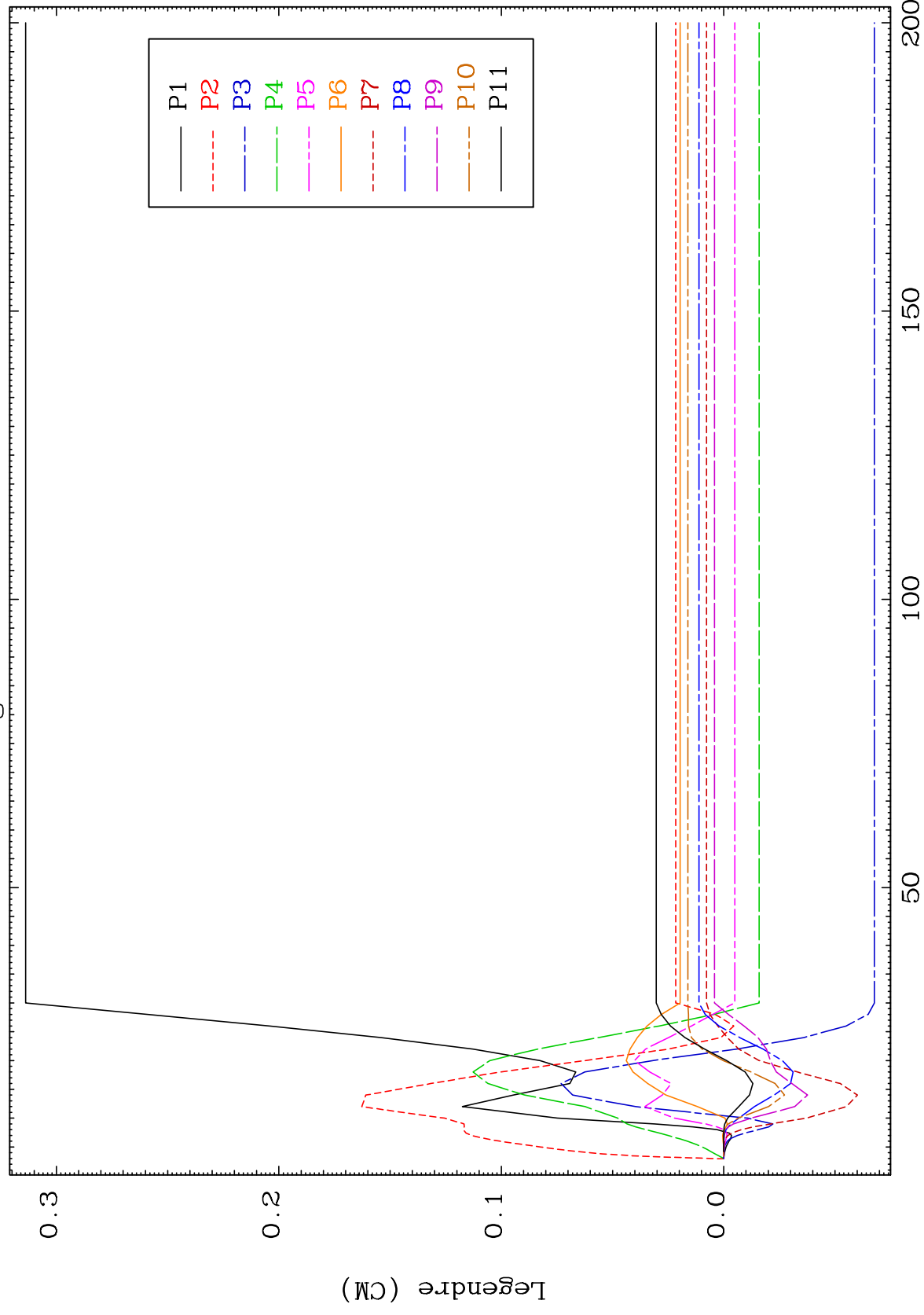
30-Zn-72



MAT 3049

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

30-Zn-72



66

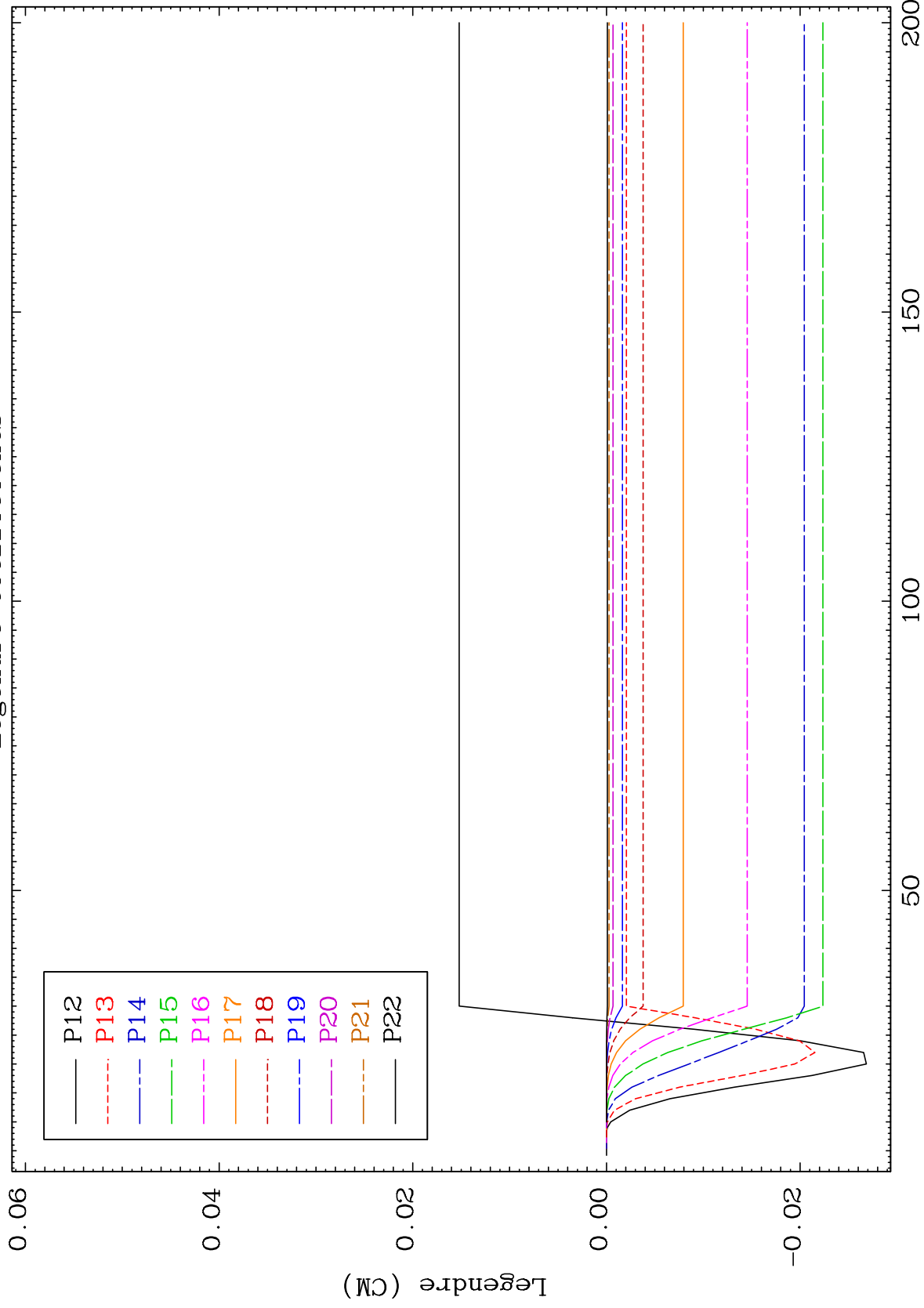
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

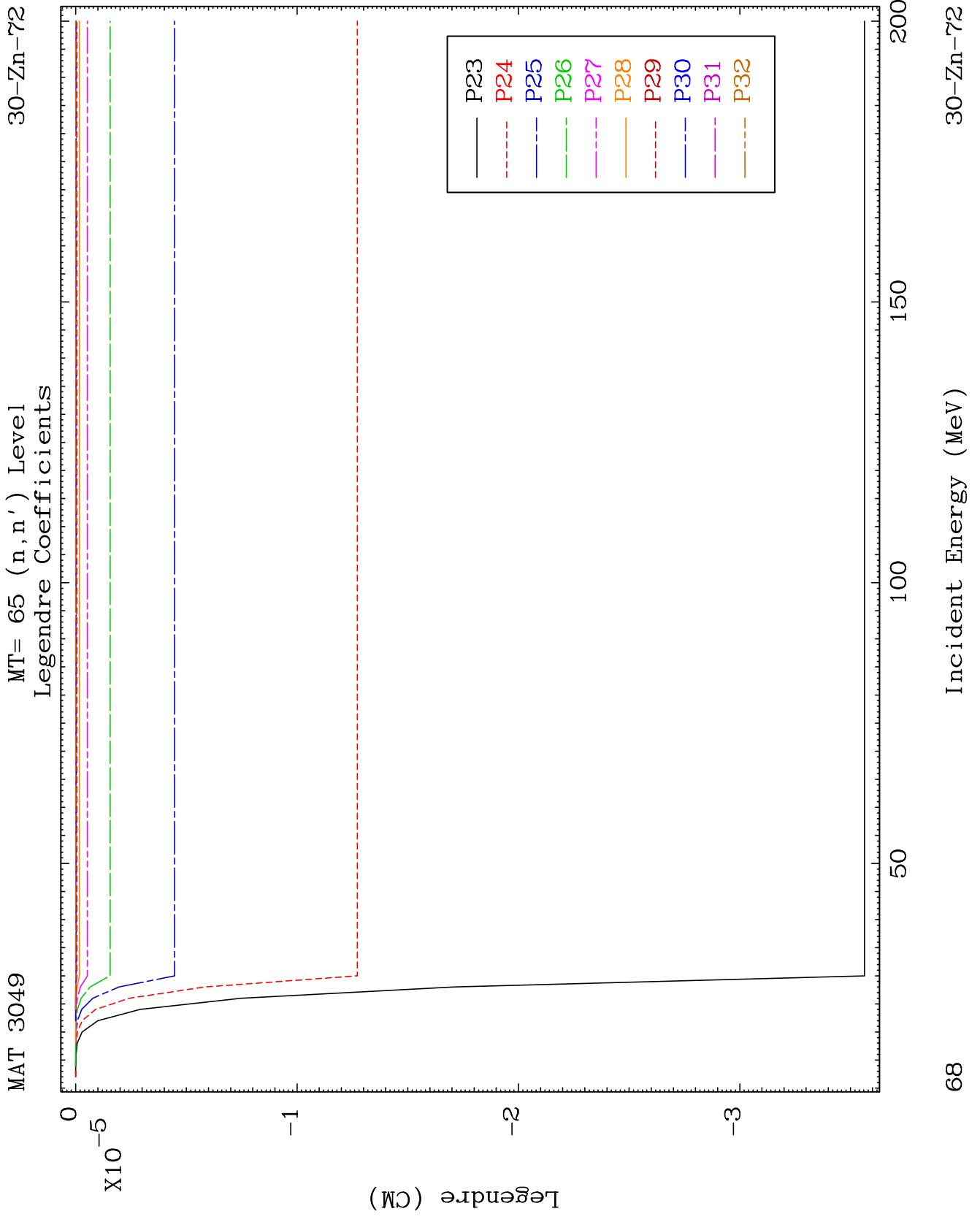
30-Zn-72

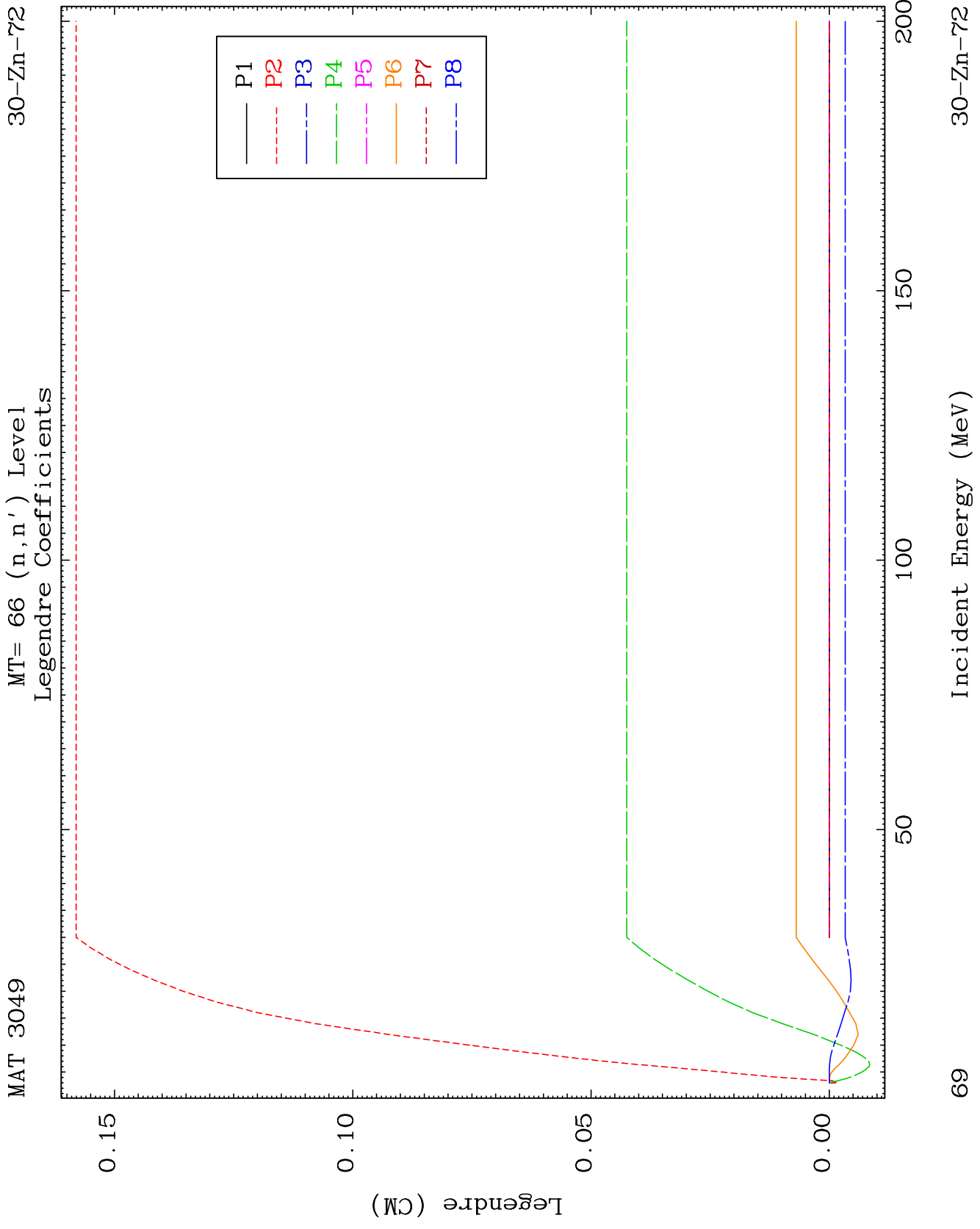


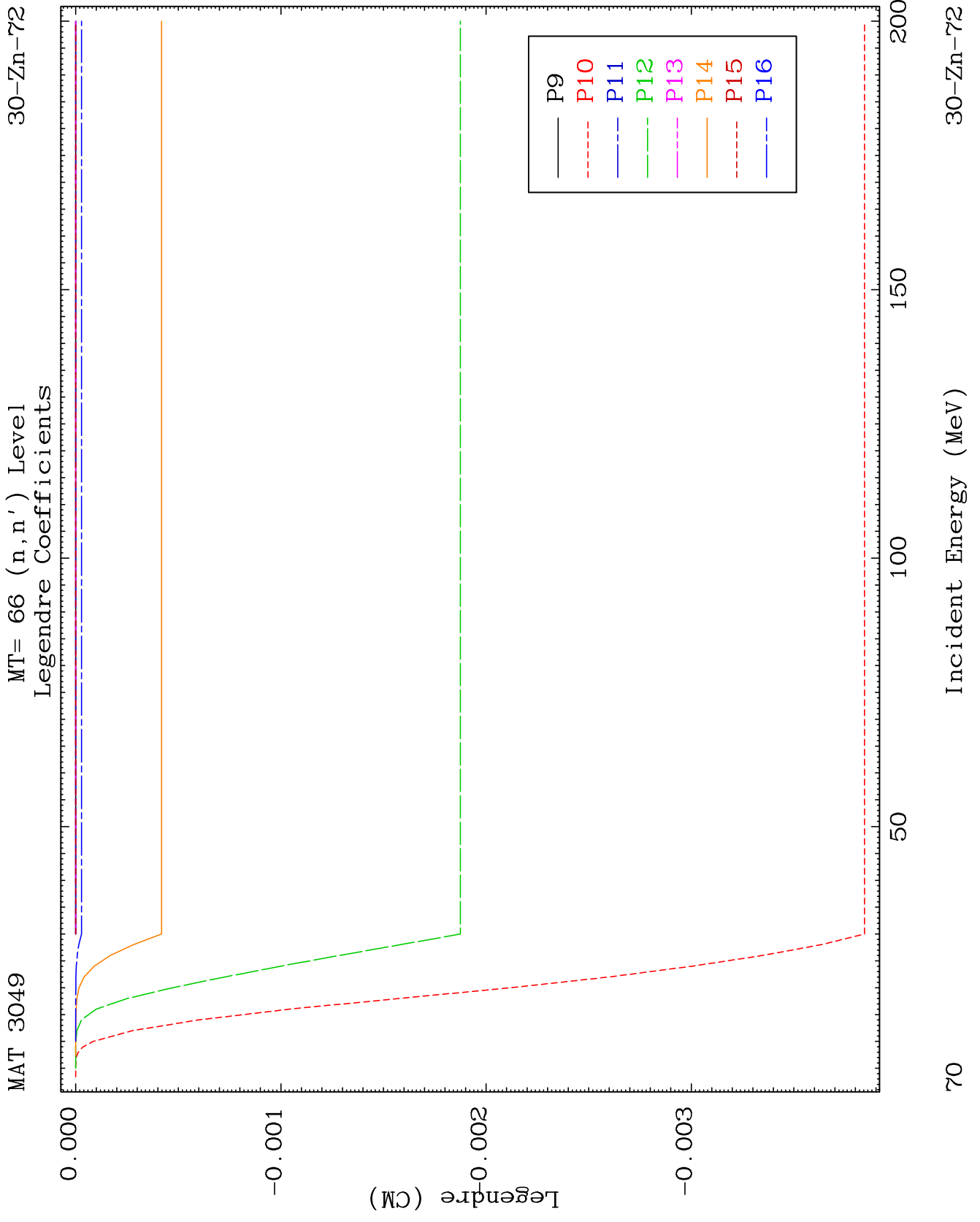
67

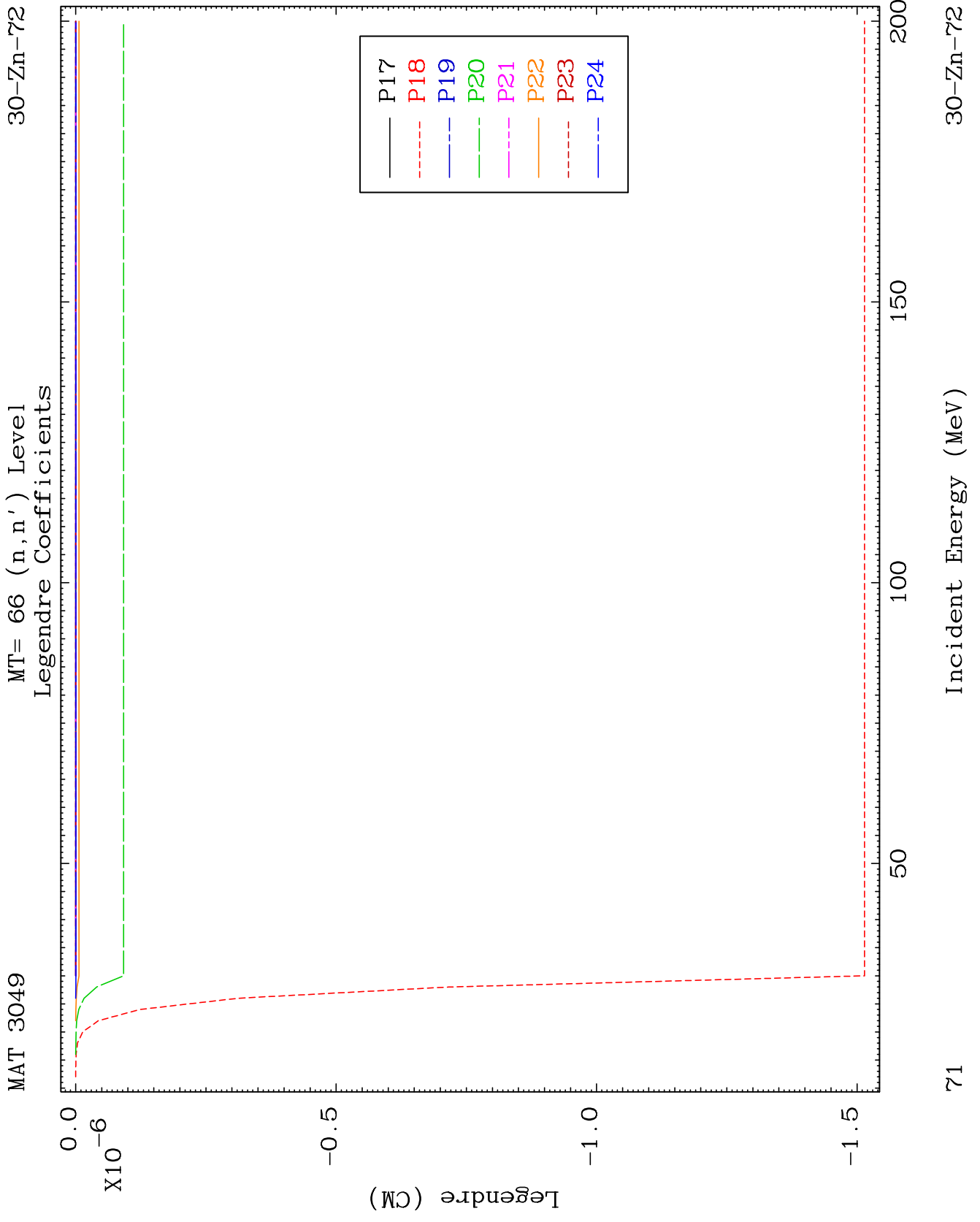
Incident Energy (MeV)

30-Zn-72







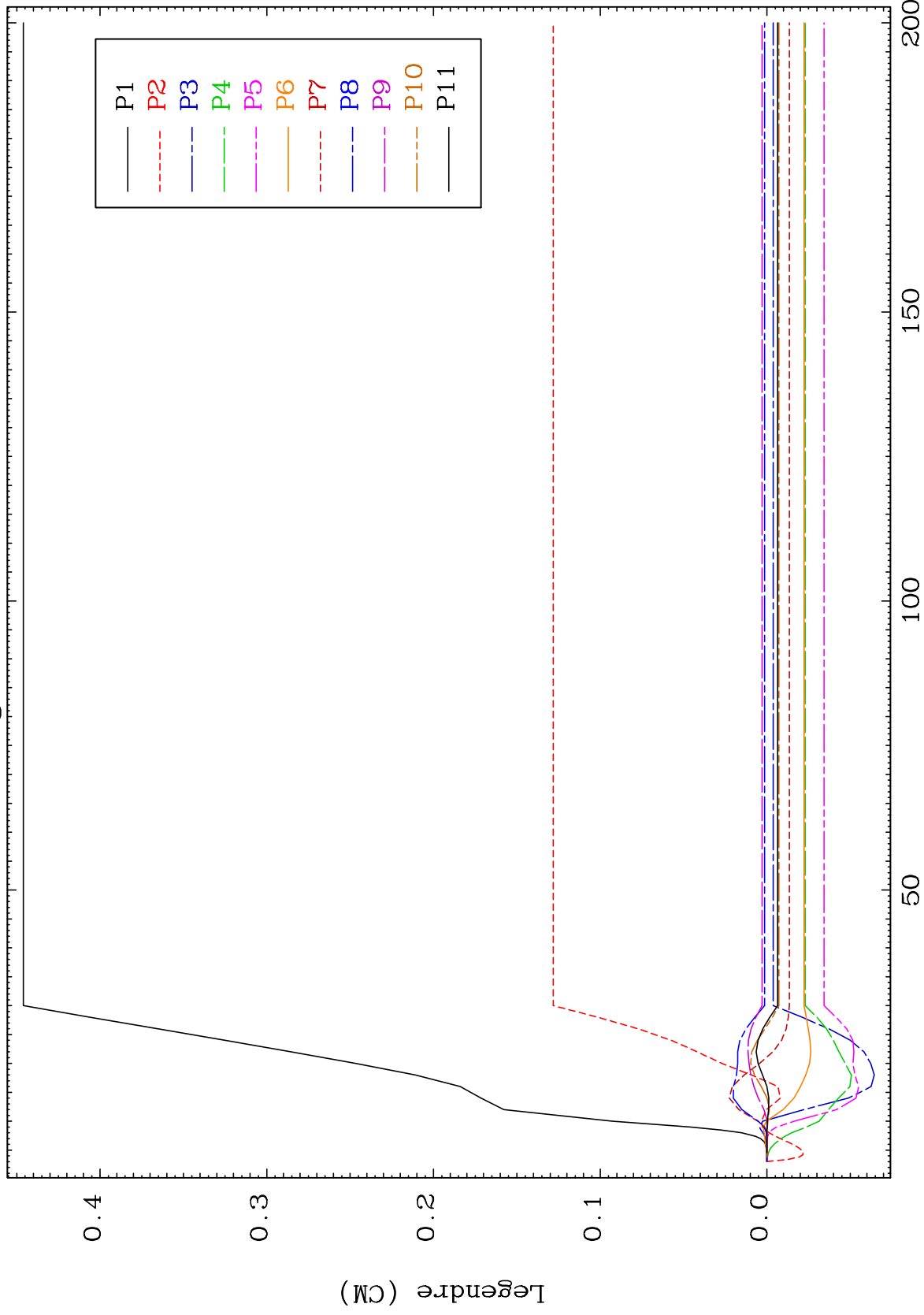




MAT 3049

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

30-Zn-72



72

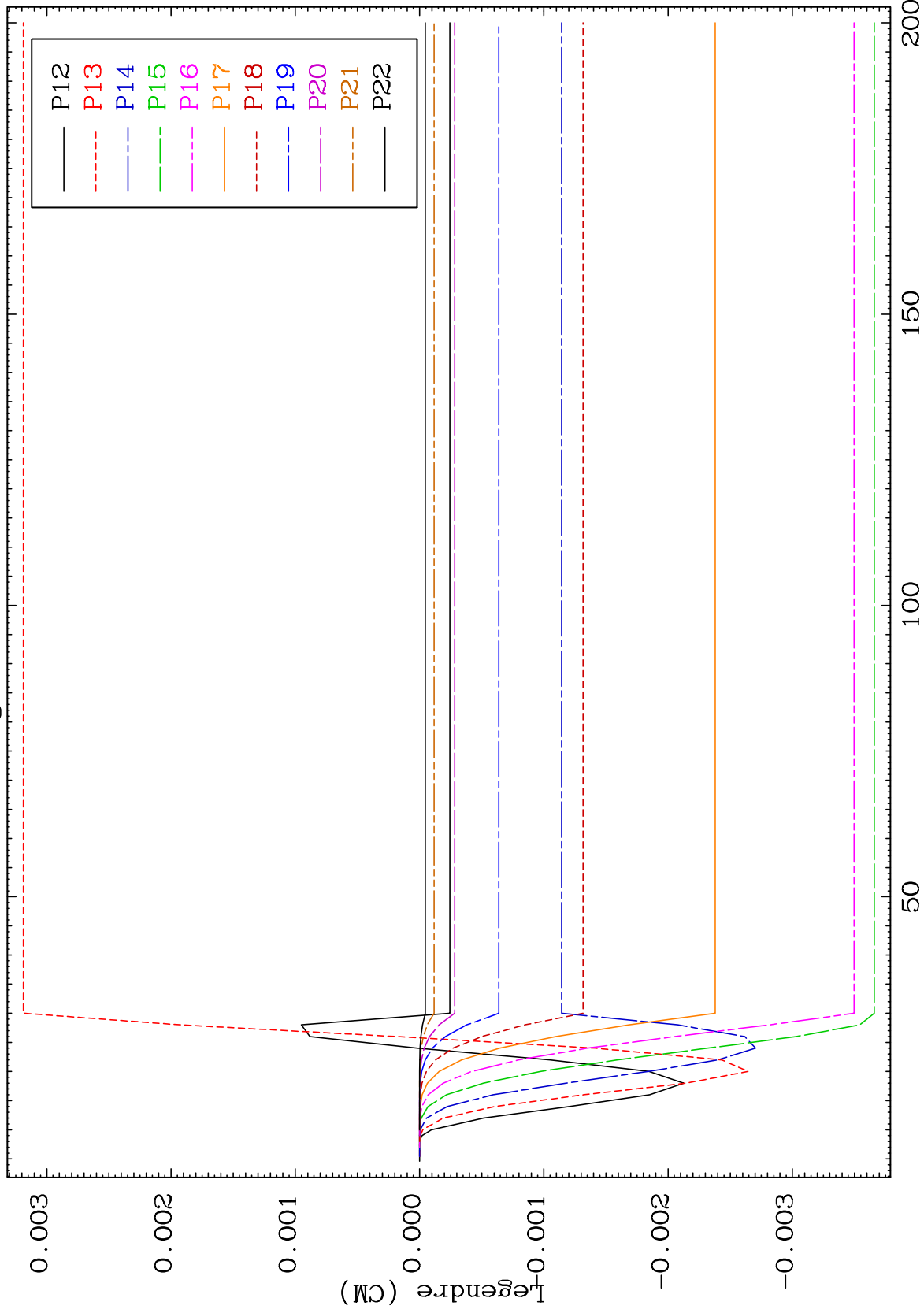
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

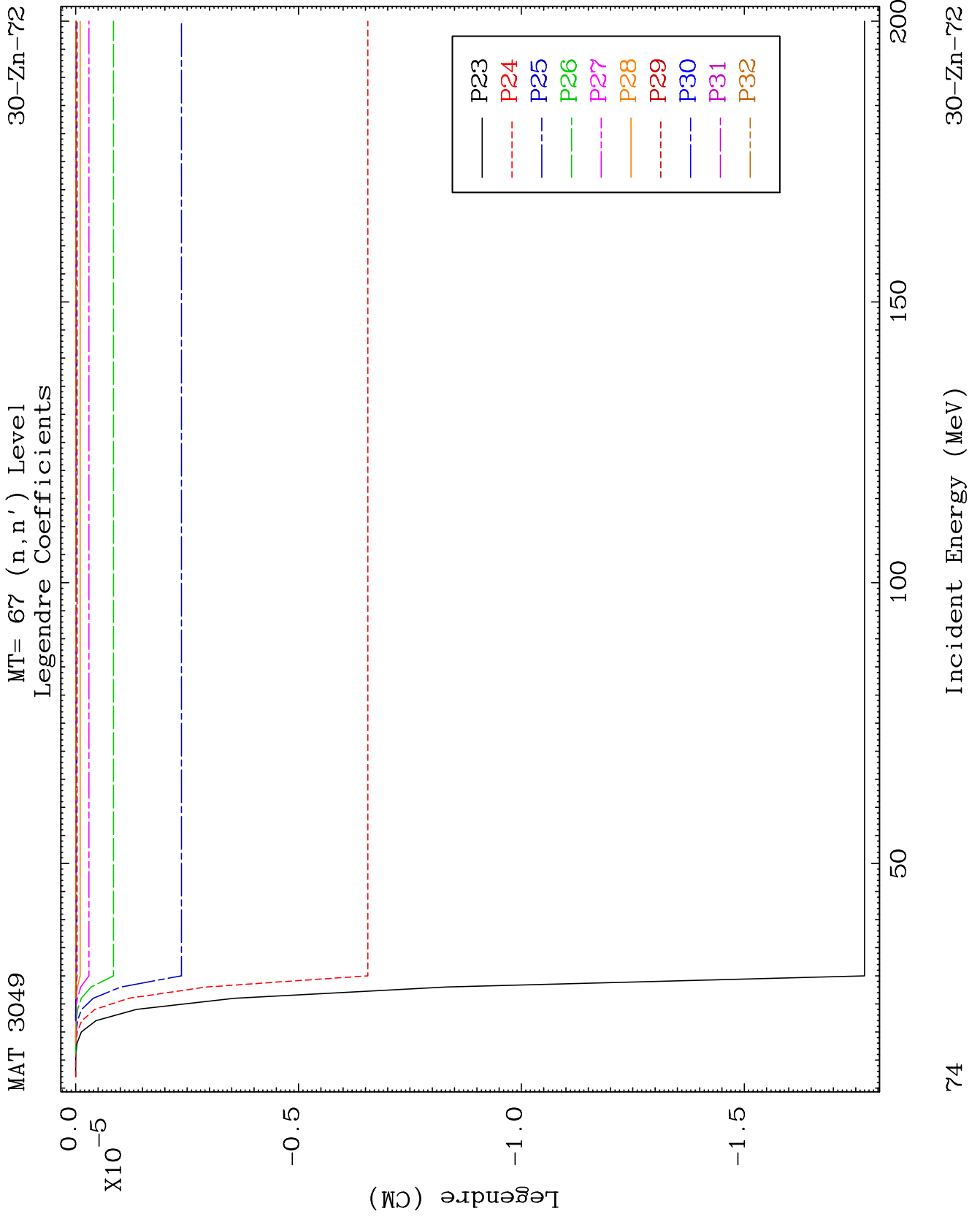
30-Zn-72



73

Incident Energy (MeV)

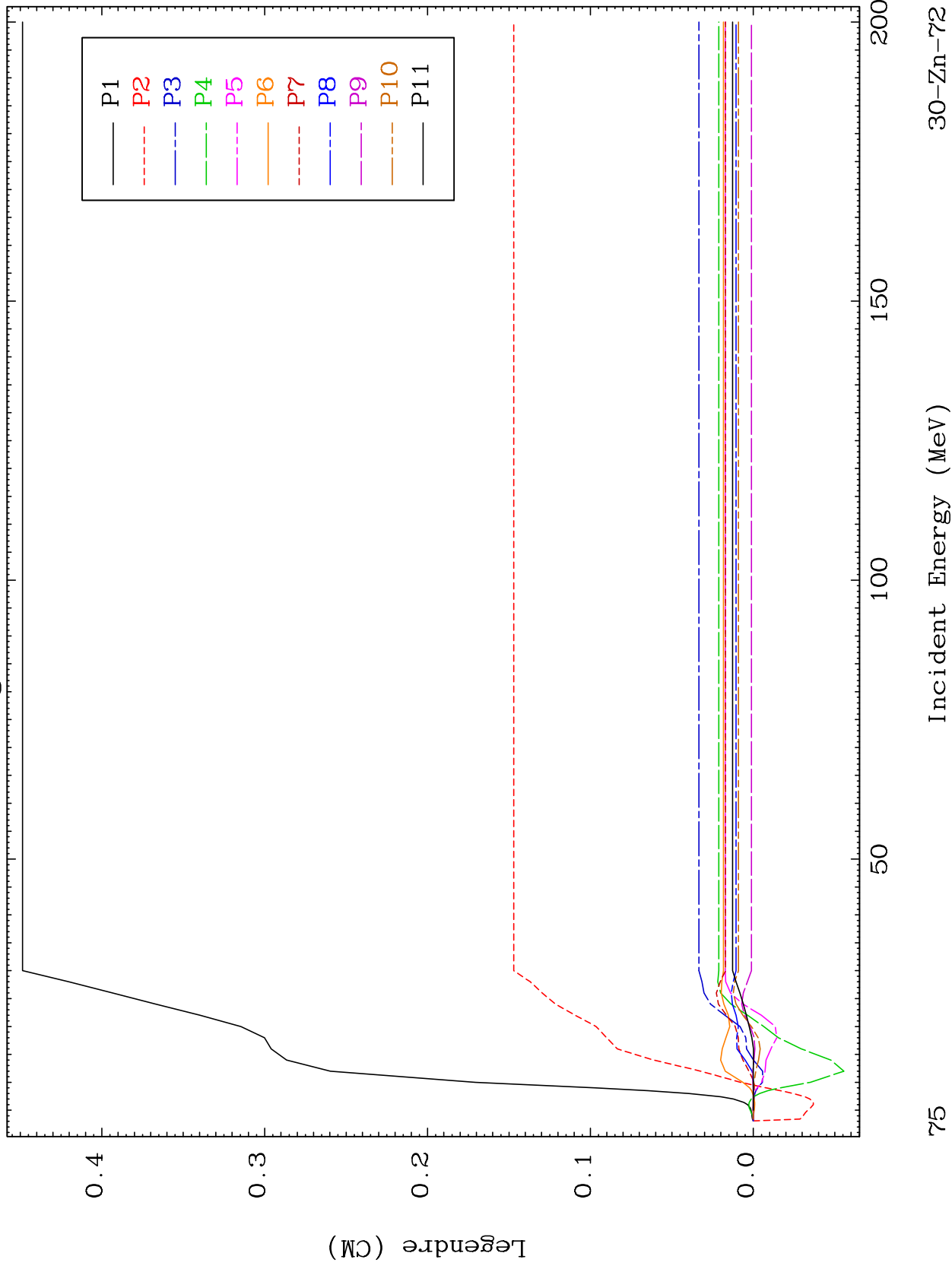
30-Zn-72



MAT 3049

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

30-Zn-72



75

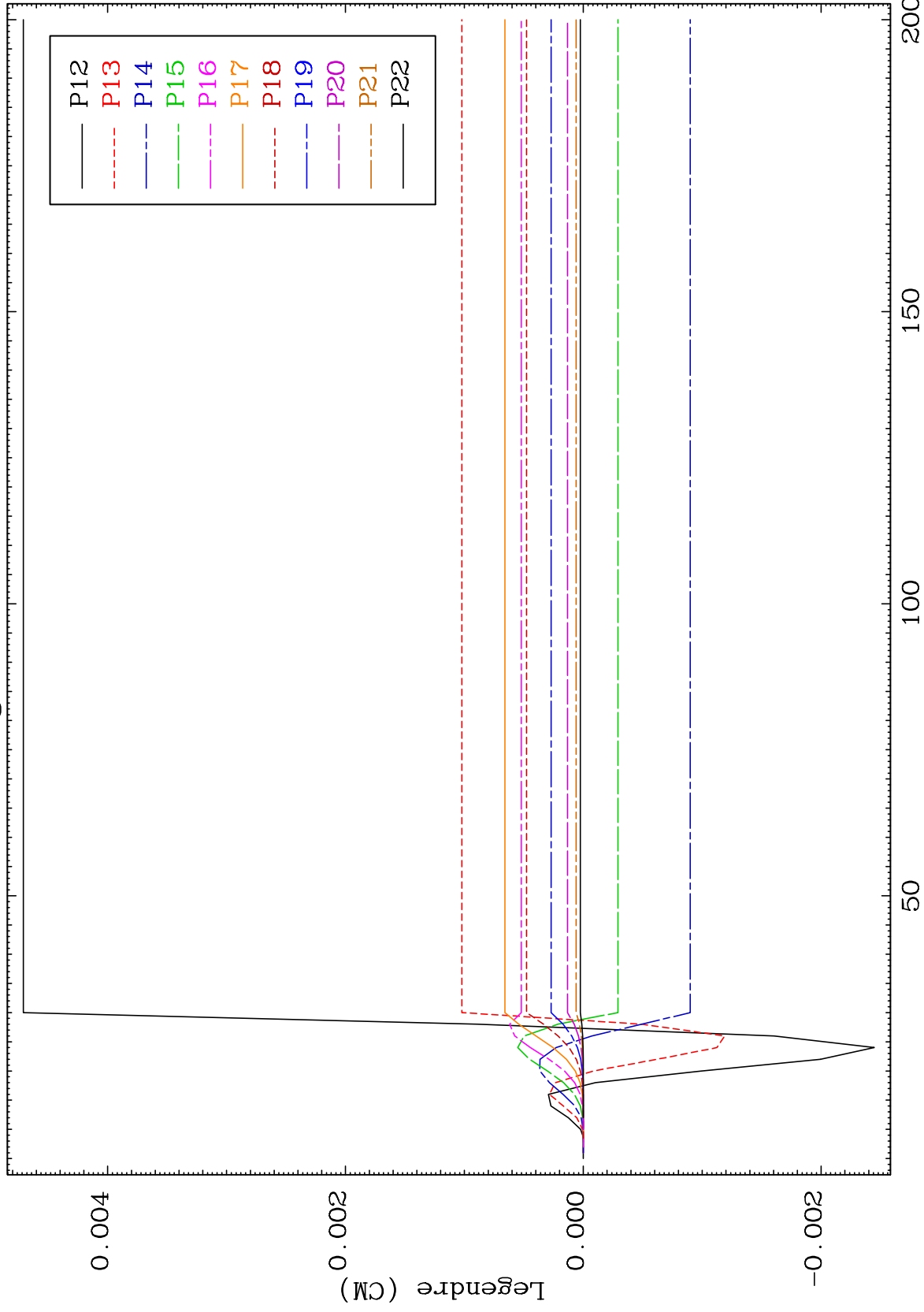
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

30-Zn-72



76

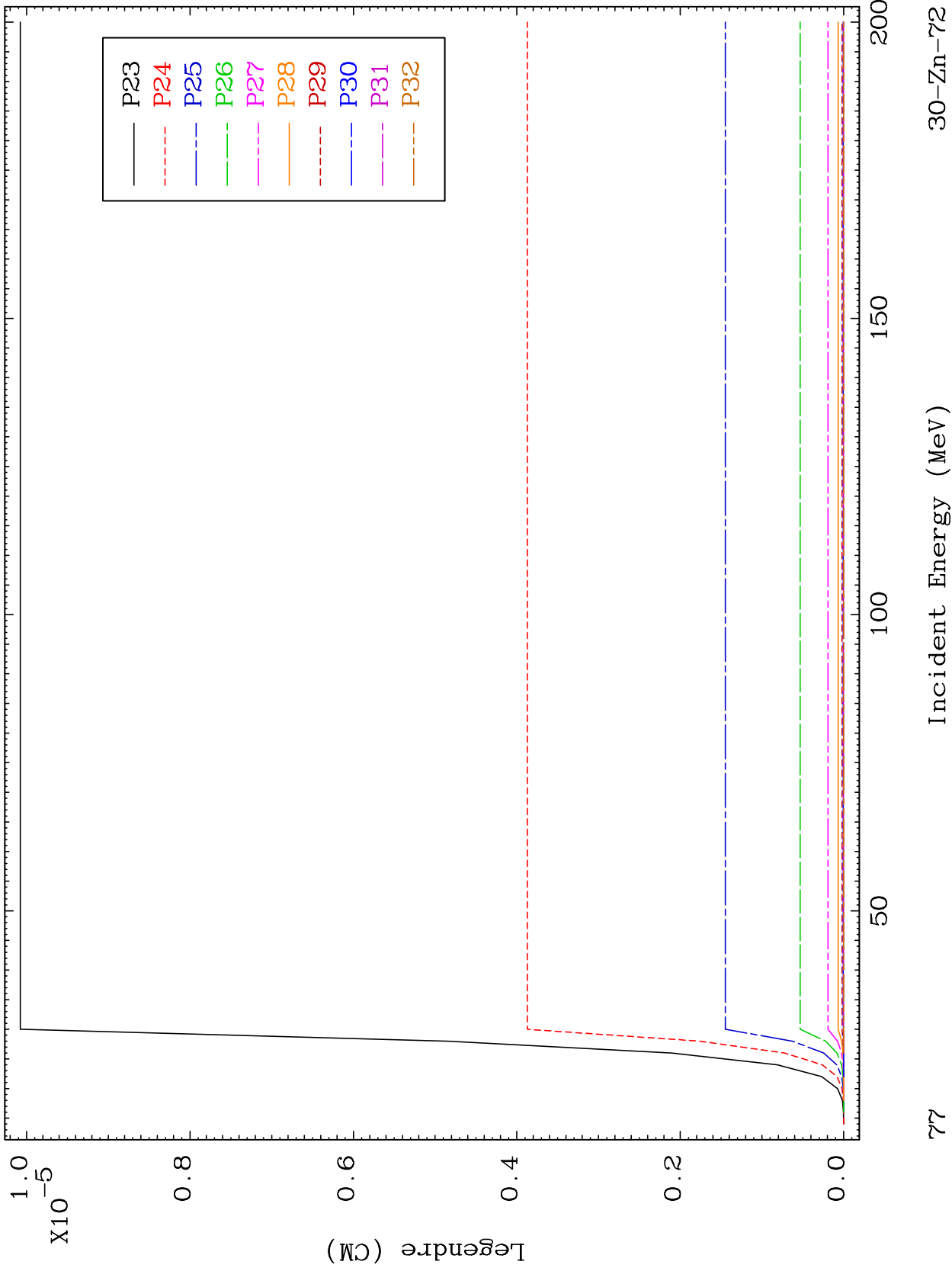
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

30-Zn-72

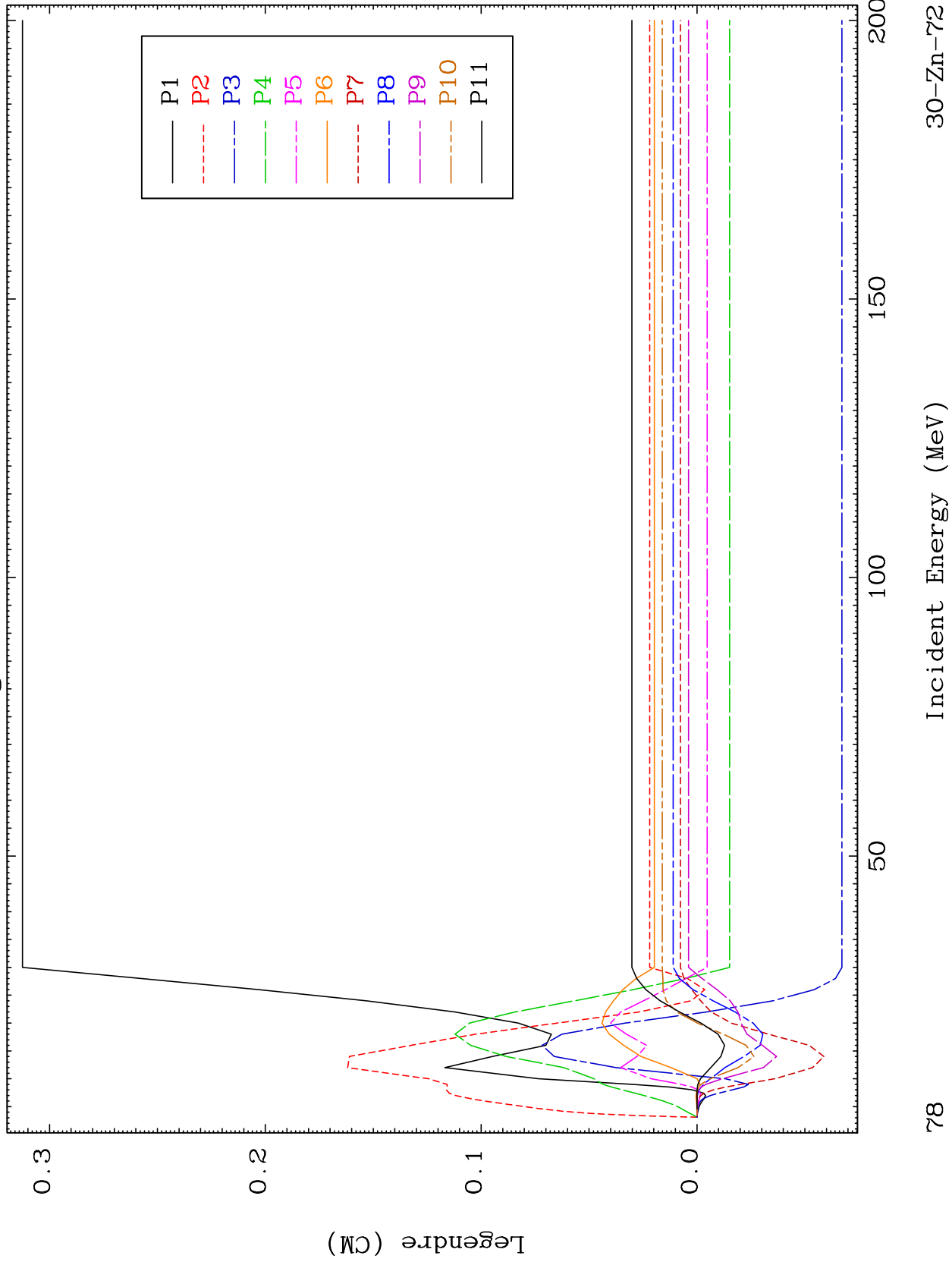


77

MAT 3049

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

30-Zn-72



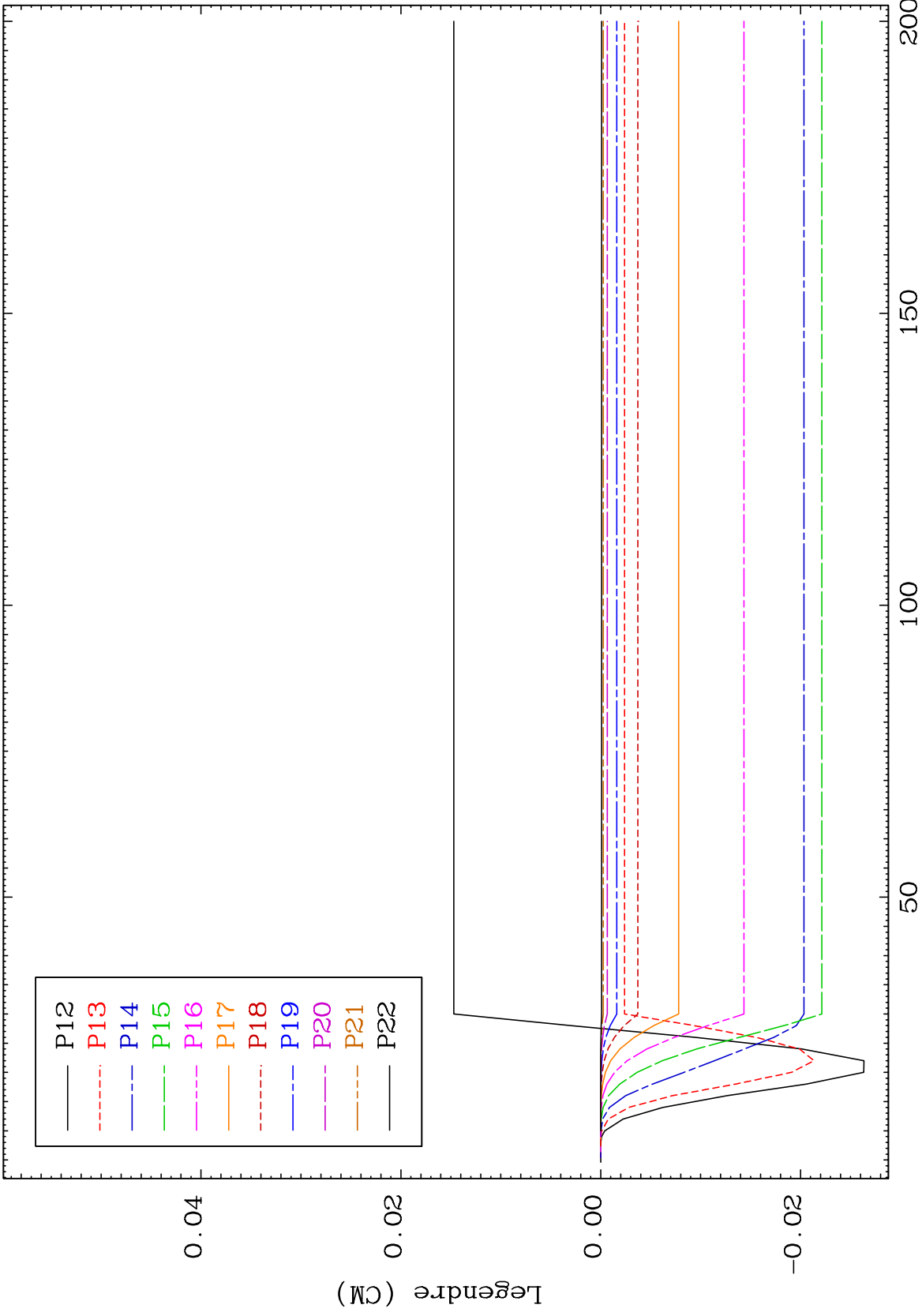
78

30-Zn-72

MAT 3049

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

30-Zn-72

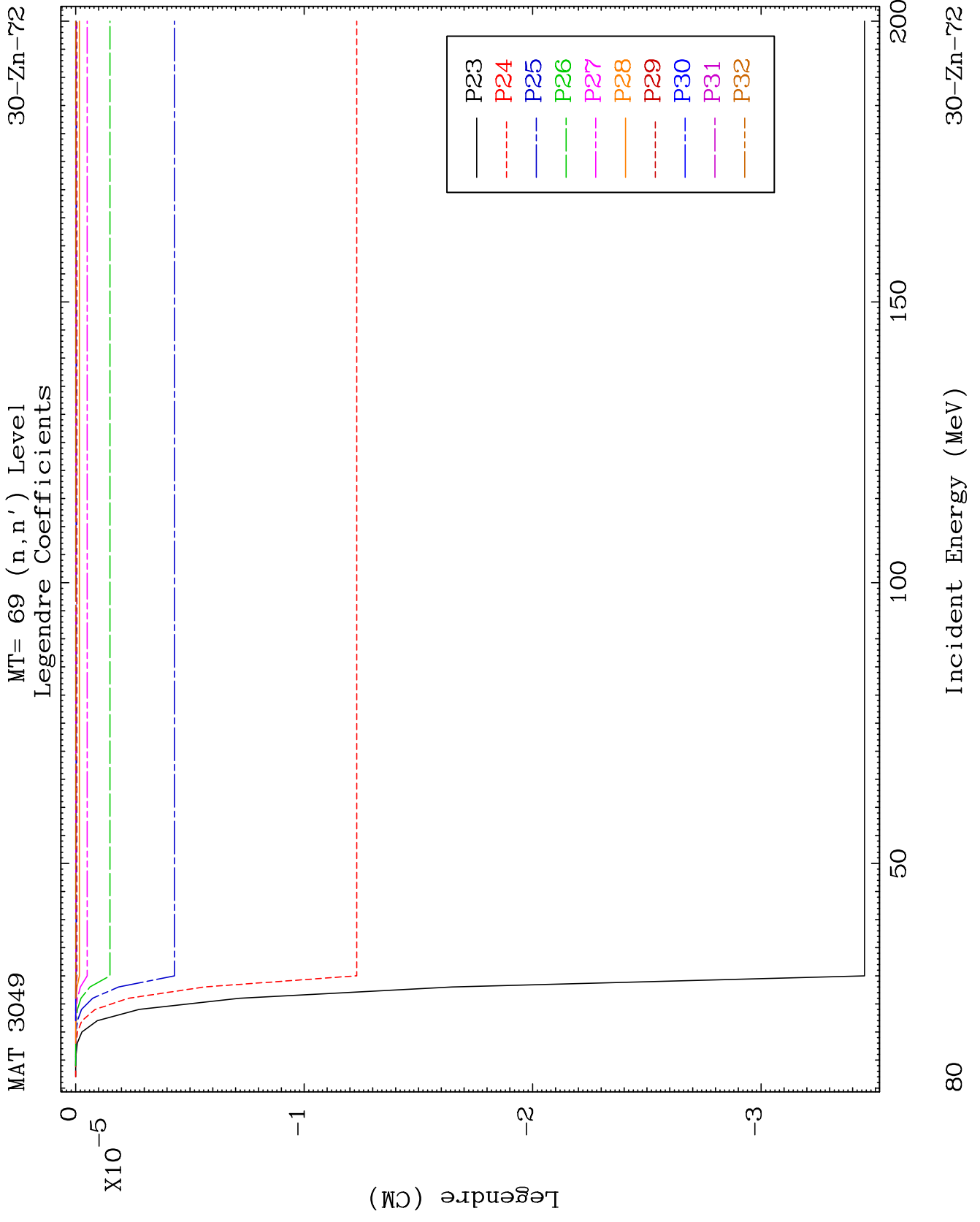


79

Incident Energy (MeV)

30-Zn-72

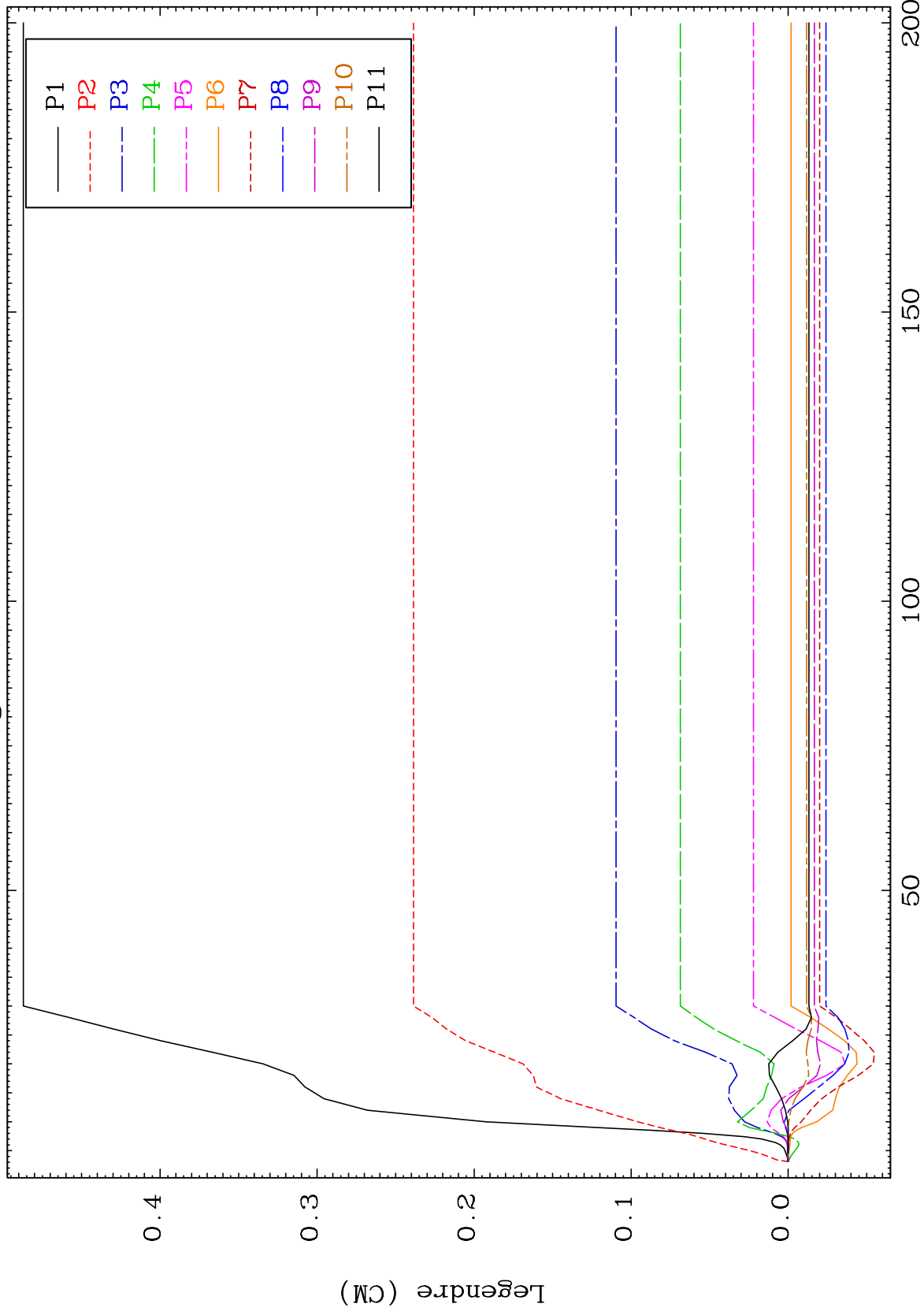




MAT 3049

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

30-Zn-72



81

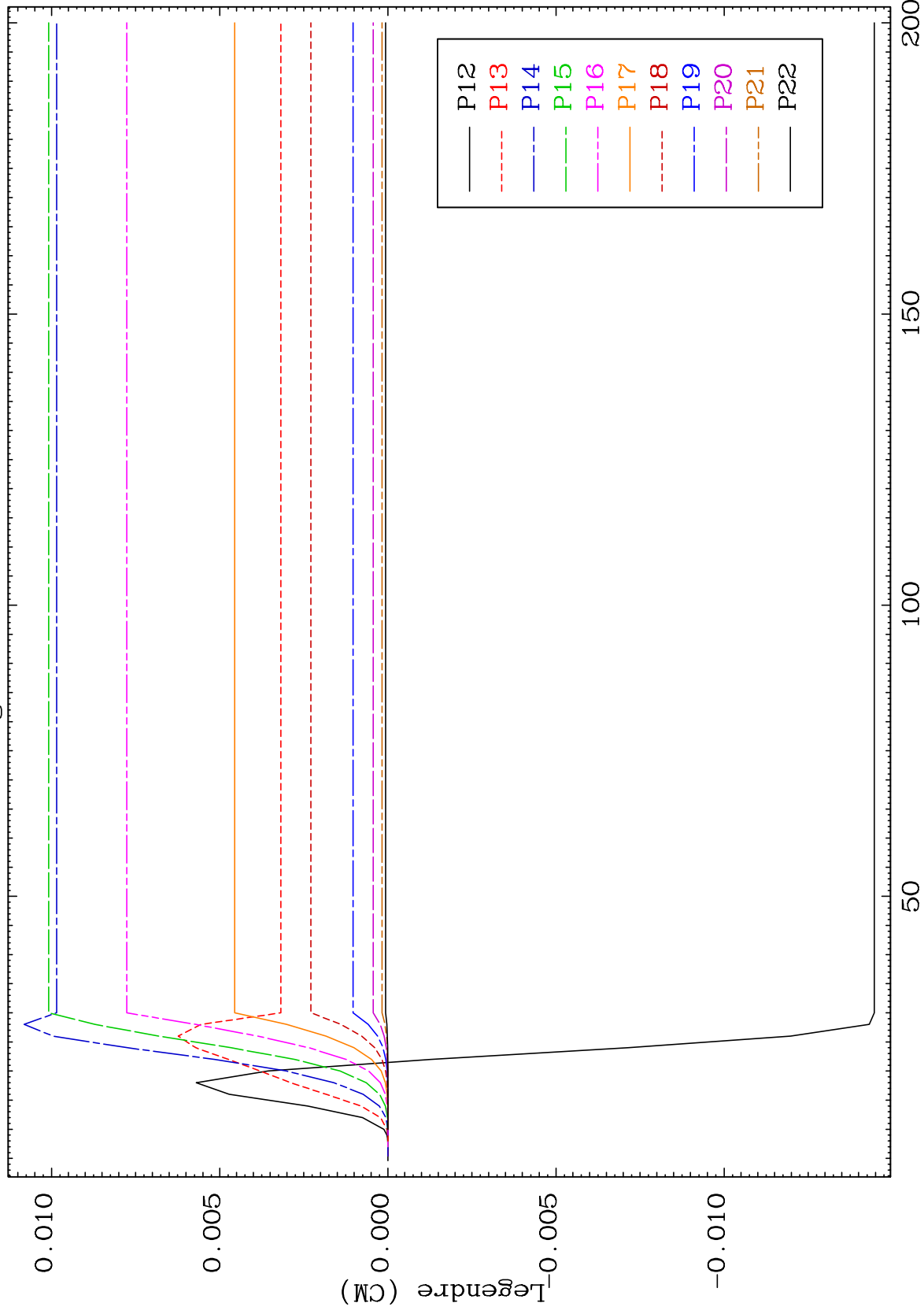
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

30-Zn-72



82

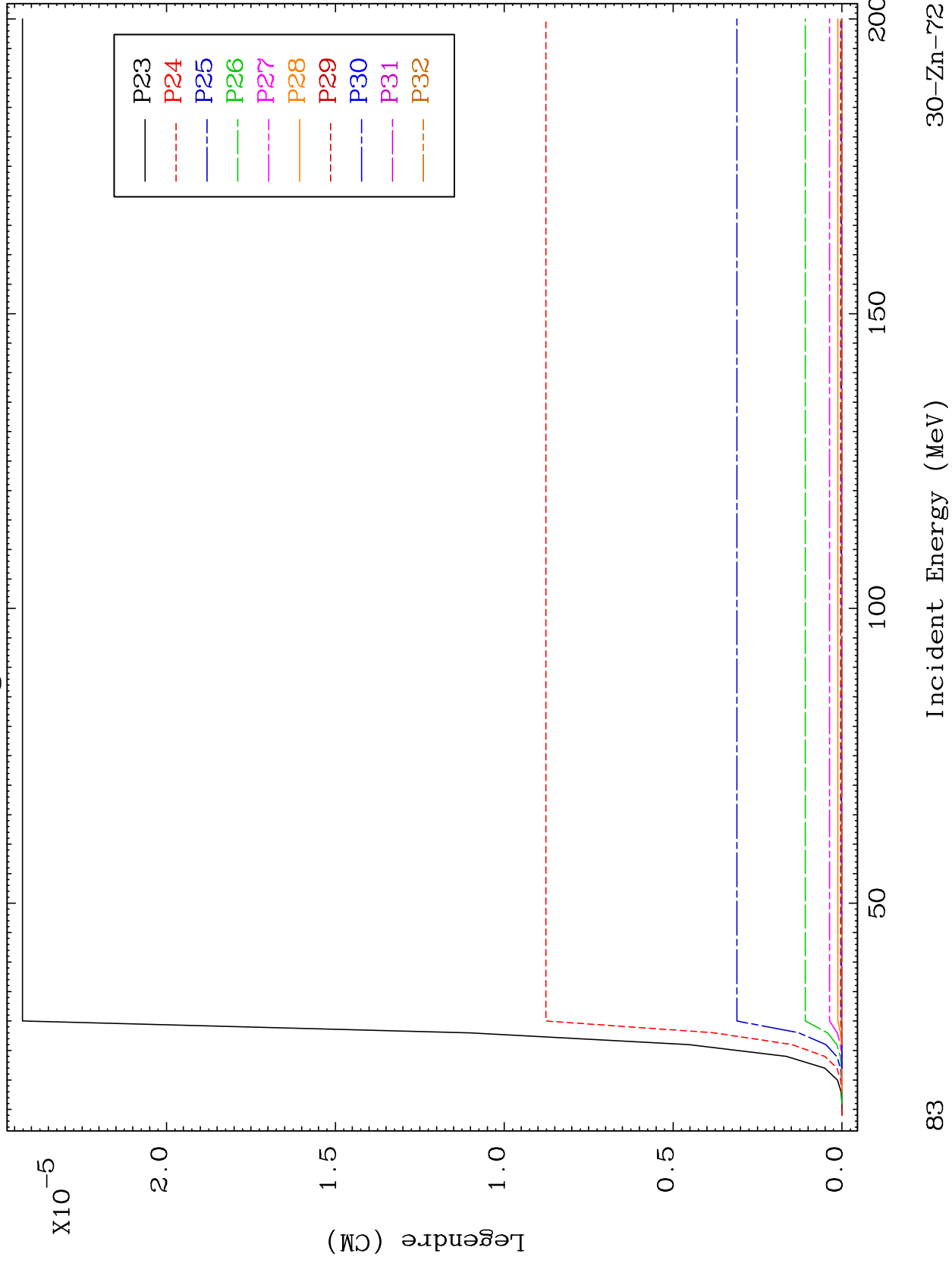
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

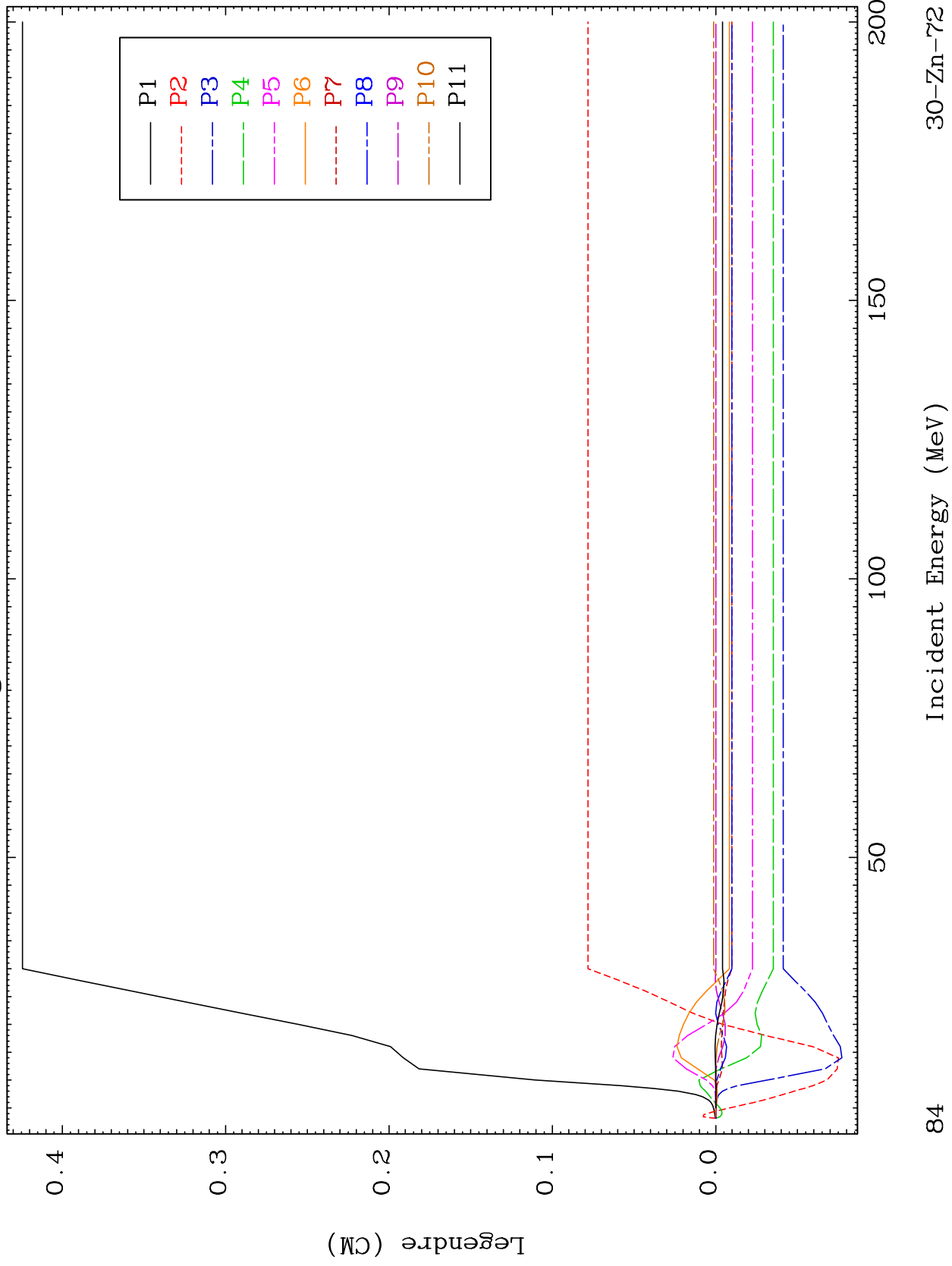
30-Zn-72



MAT 3049

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

30-Zn-72



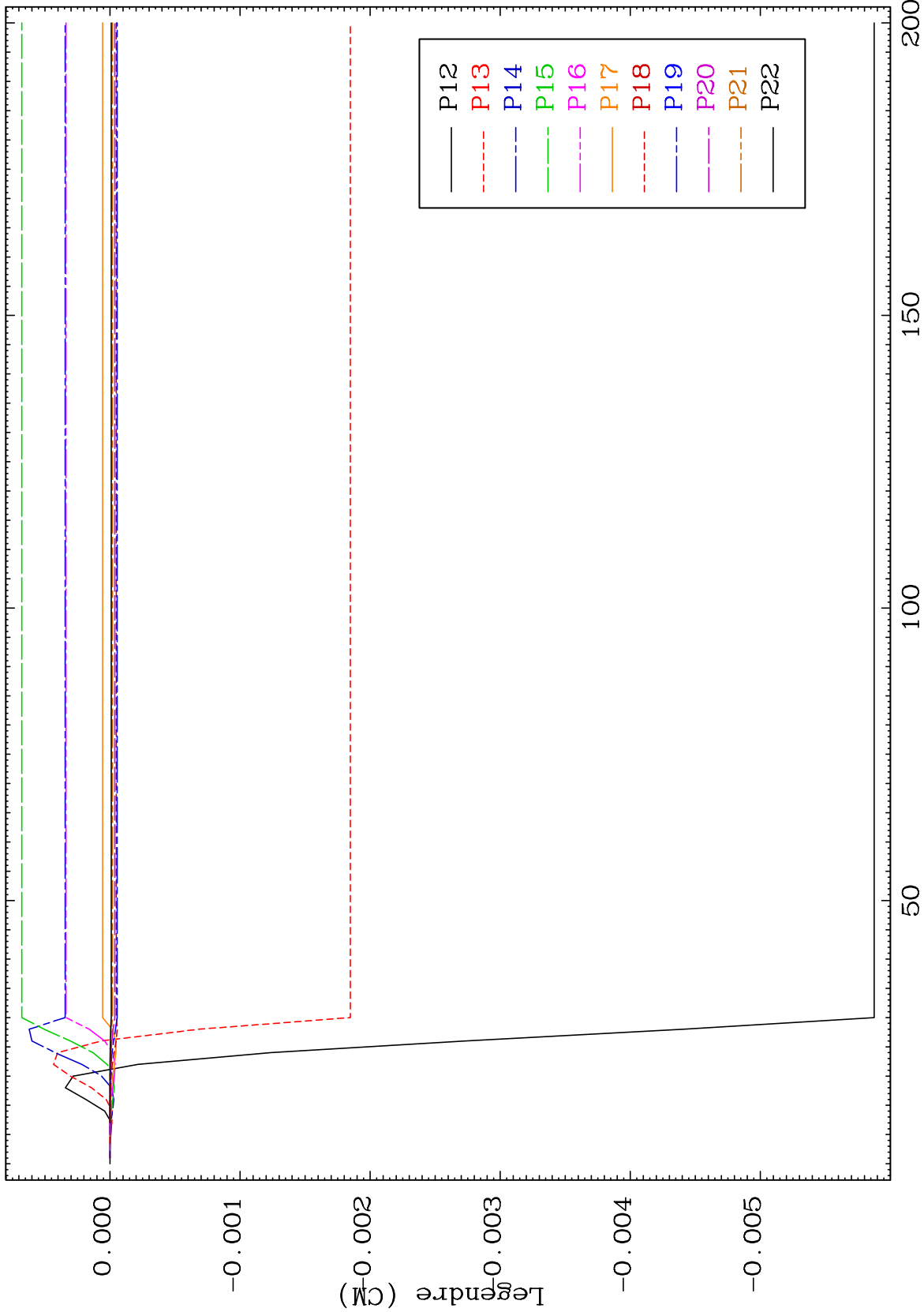
84

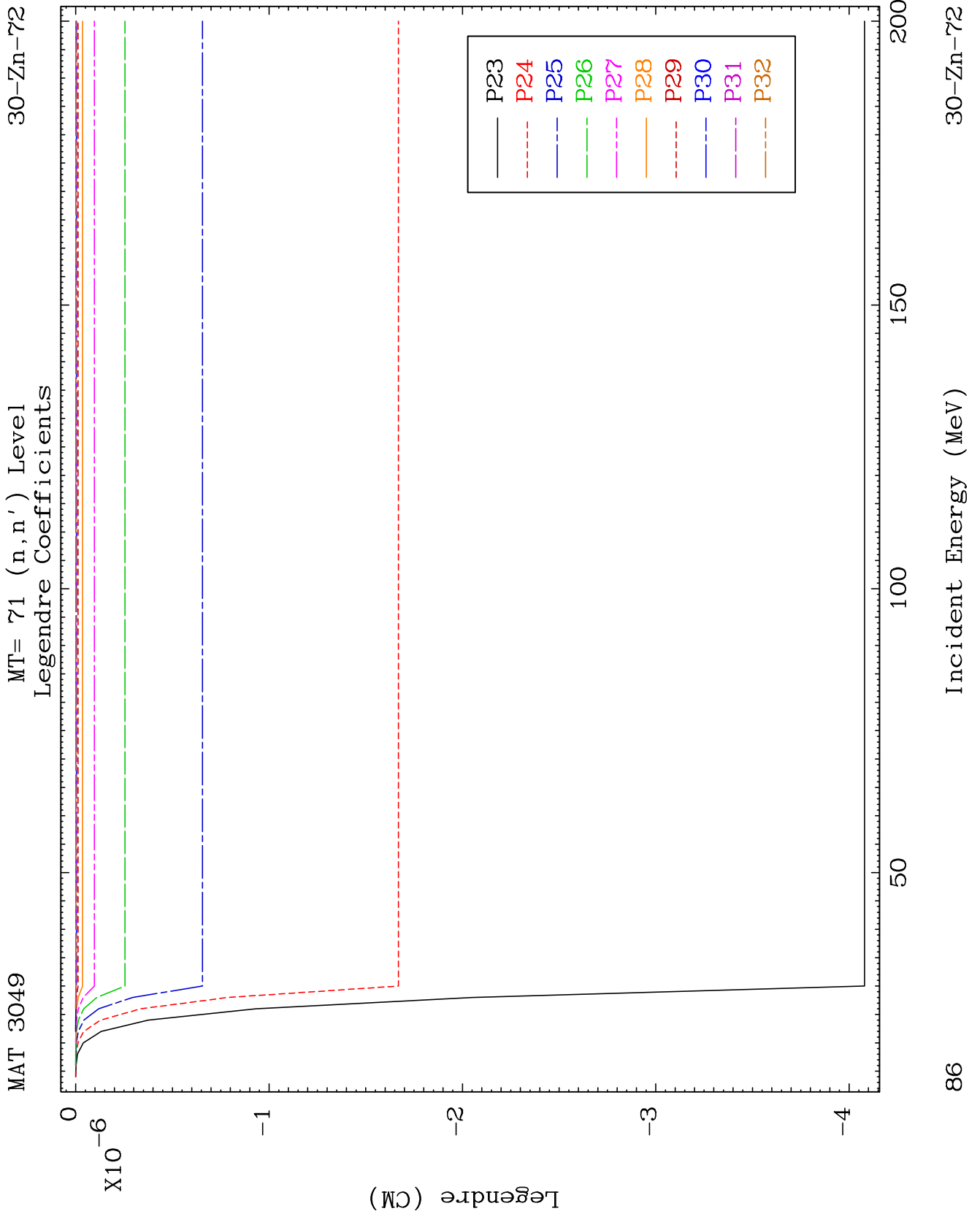
30-Zn-72

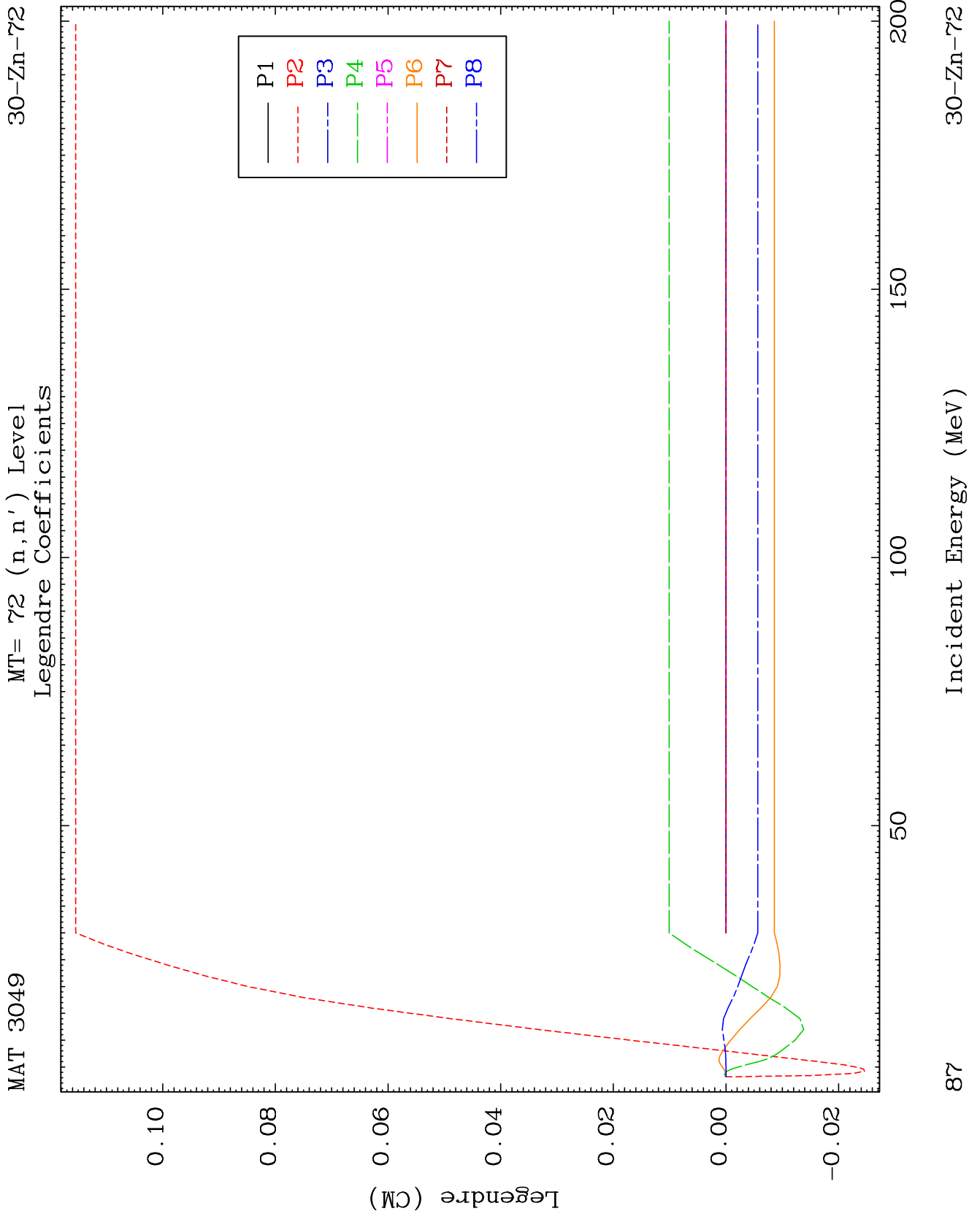
MAT 3049

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

30-Zn-72





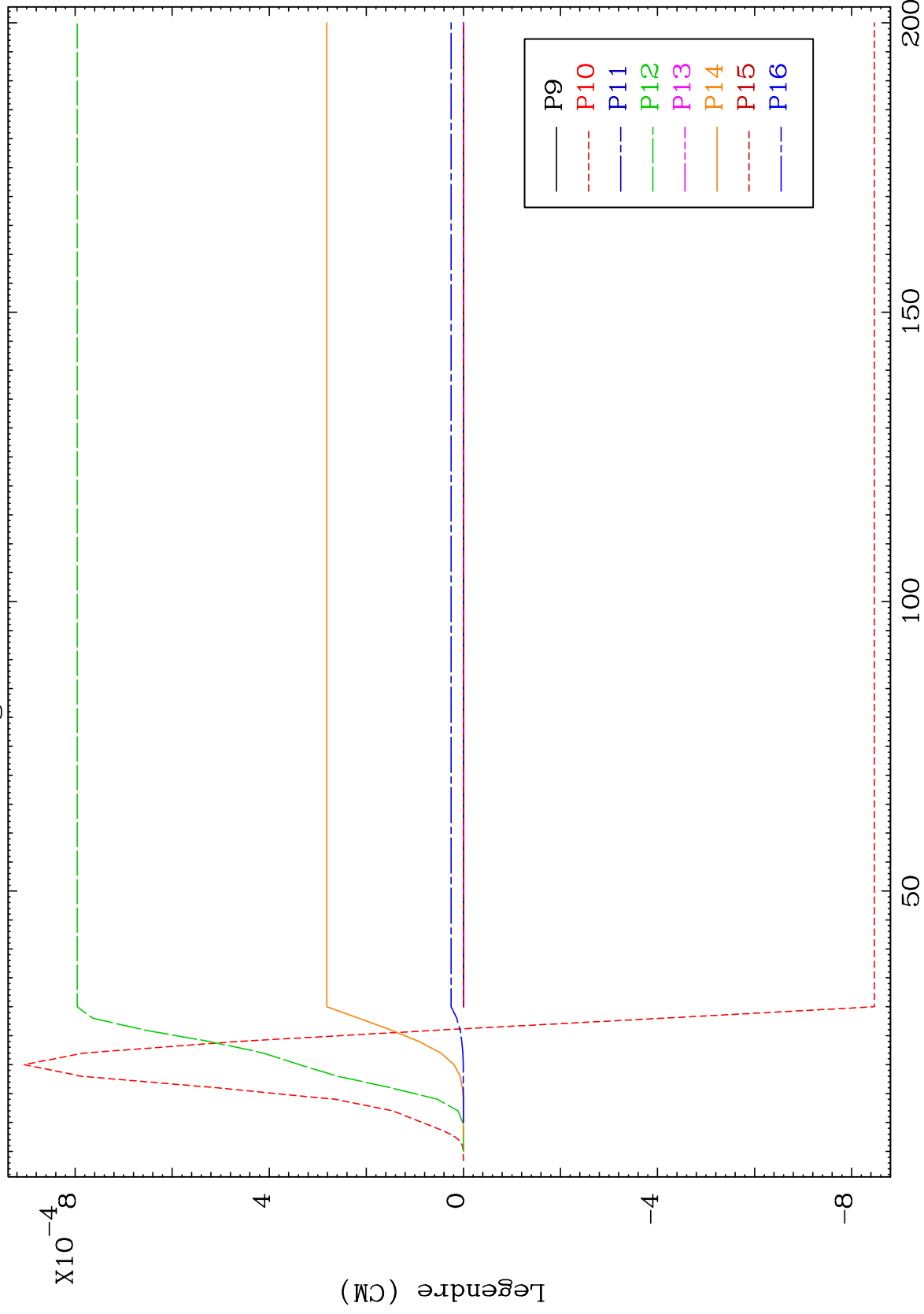




MAT 3049

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

30-Zn-72



88

Incident Energy (MeV)

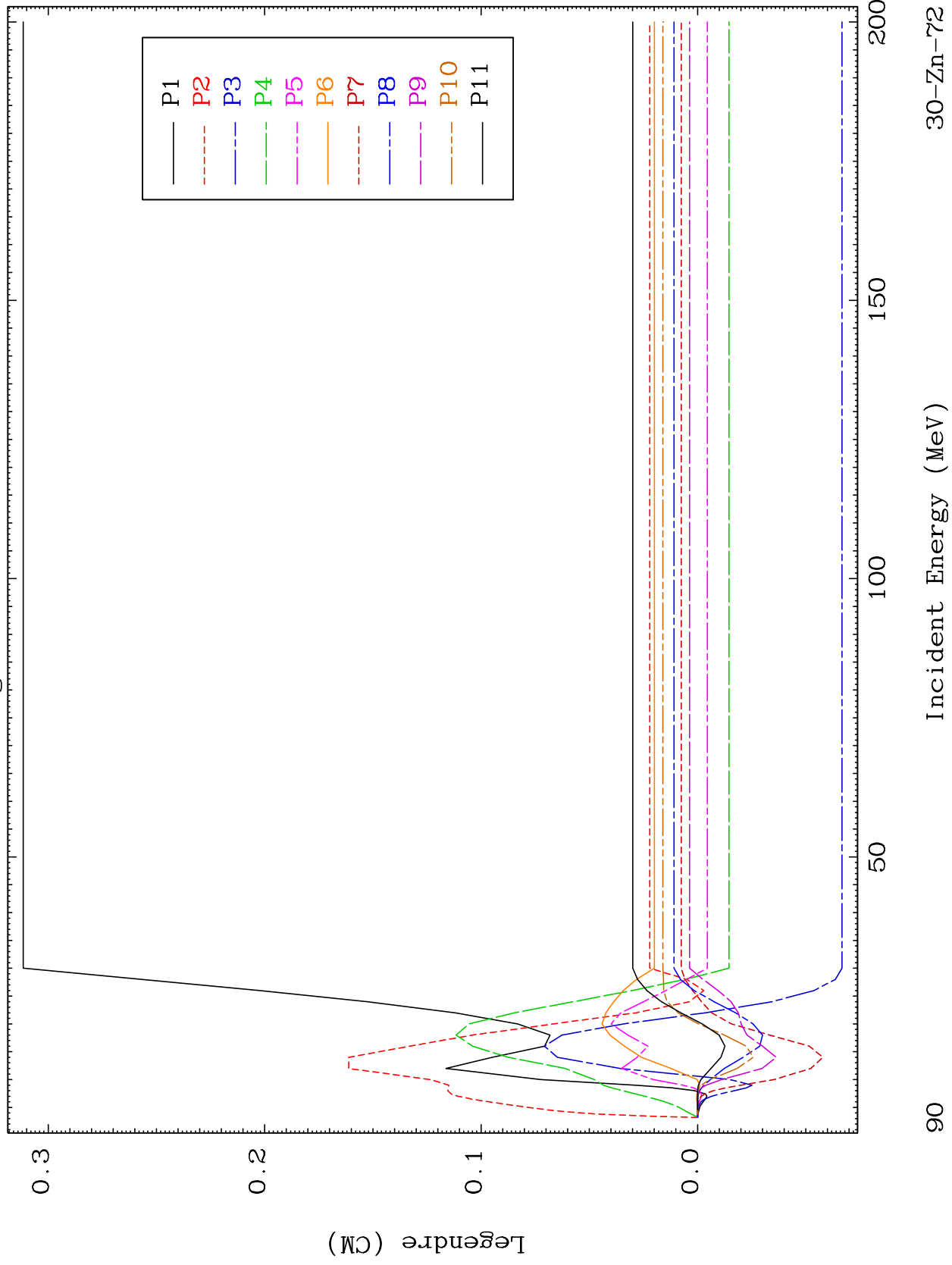
30-Zn-72



MAT 3049

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

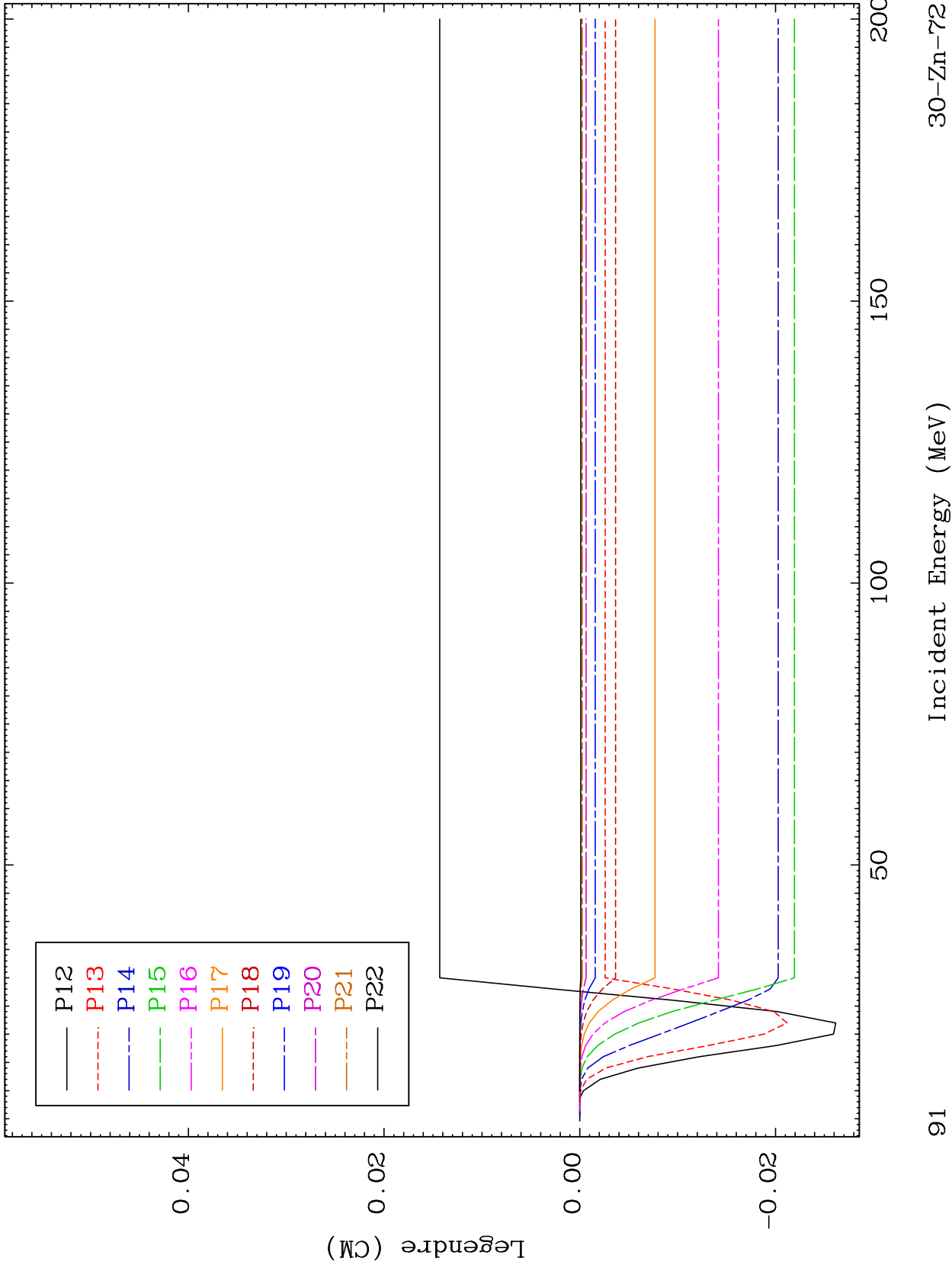
30-Zn-72

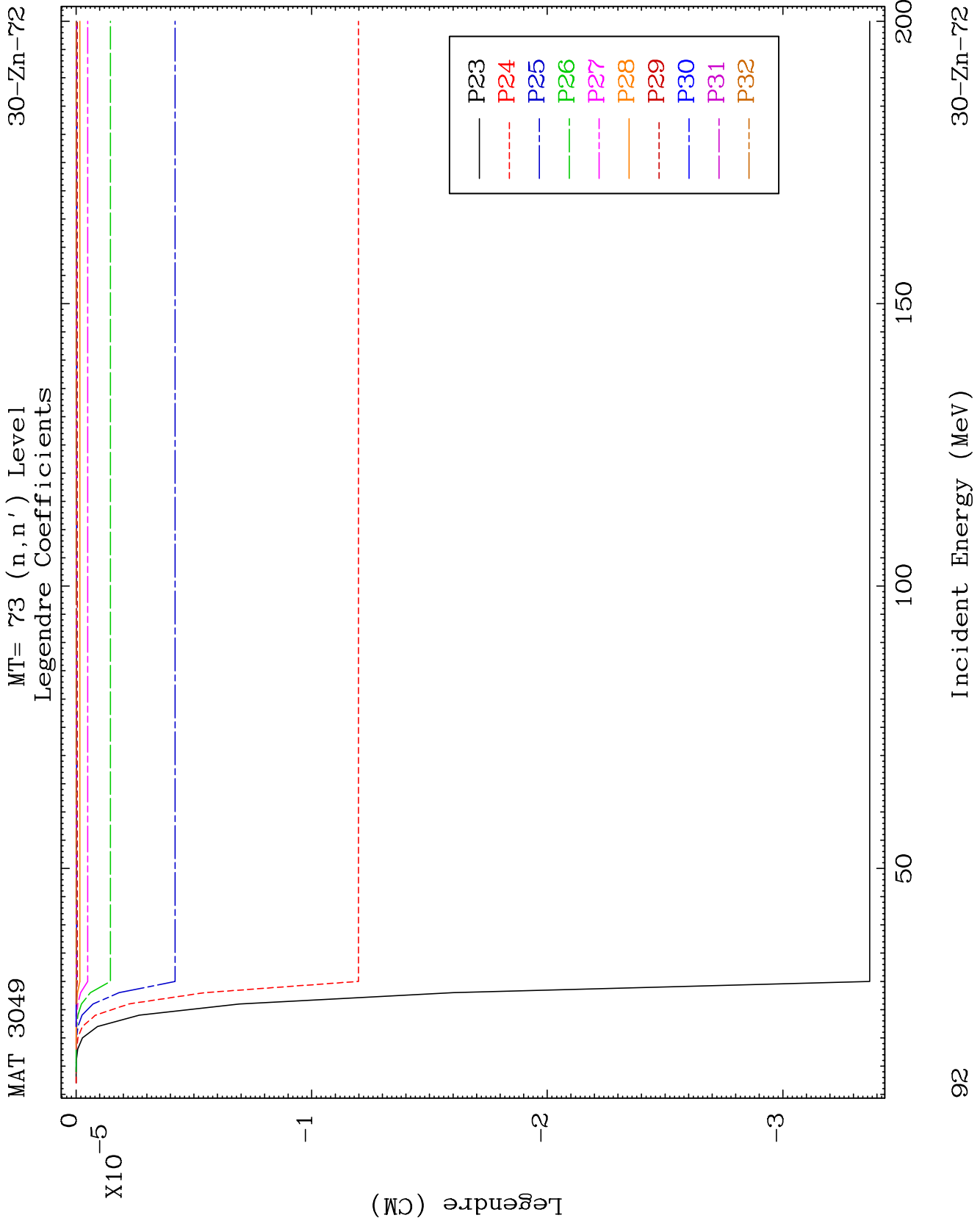


MAT 3049

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

30-Zn-72

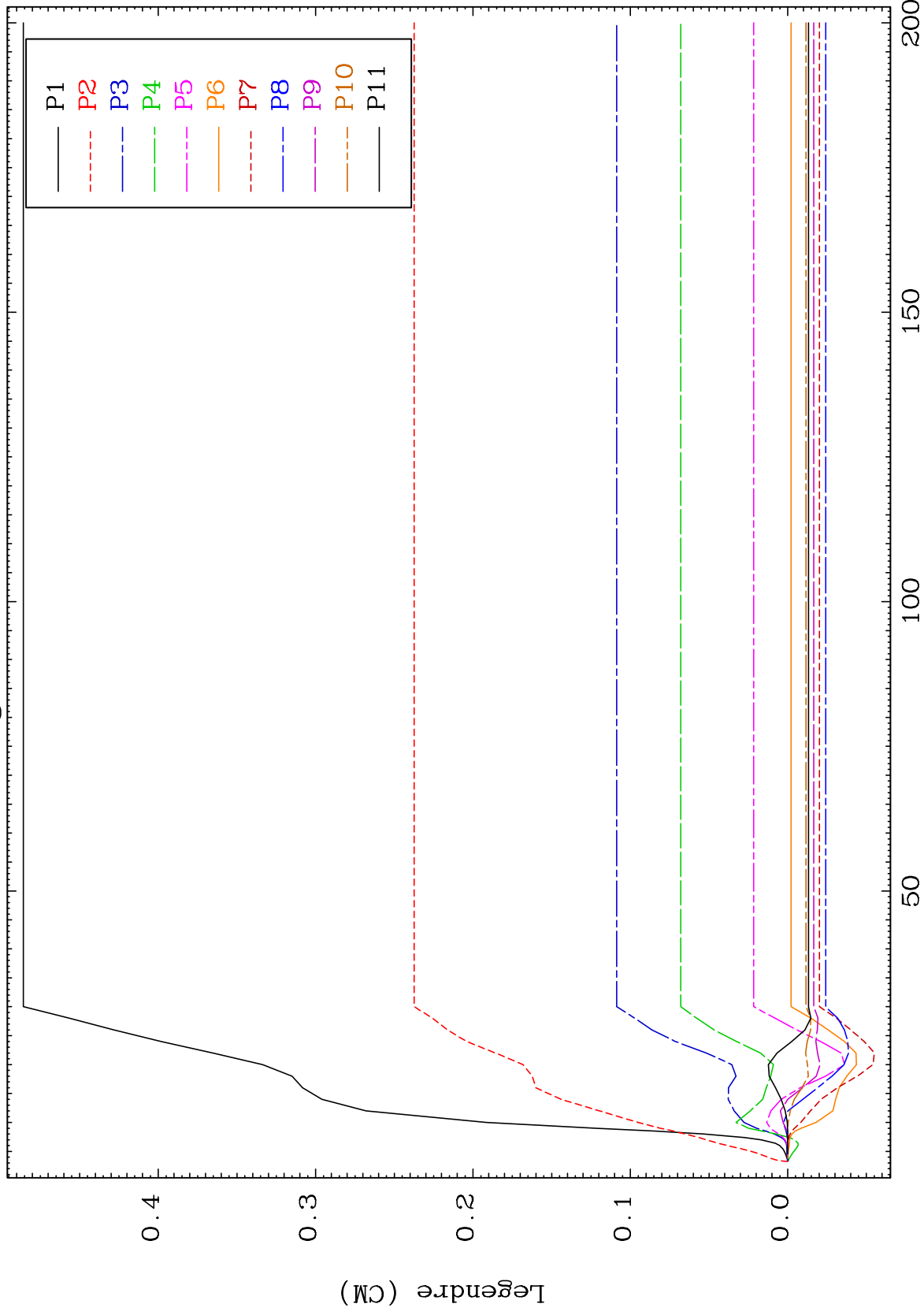




MAT 3049

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

30-Zn-72



93

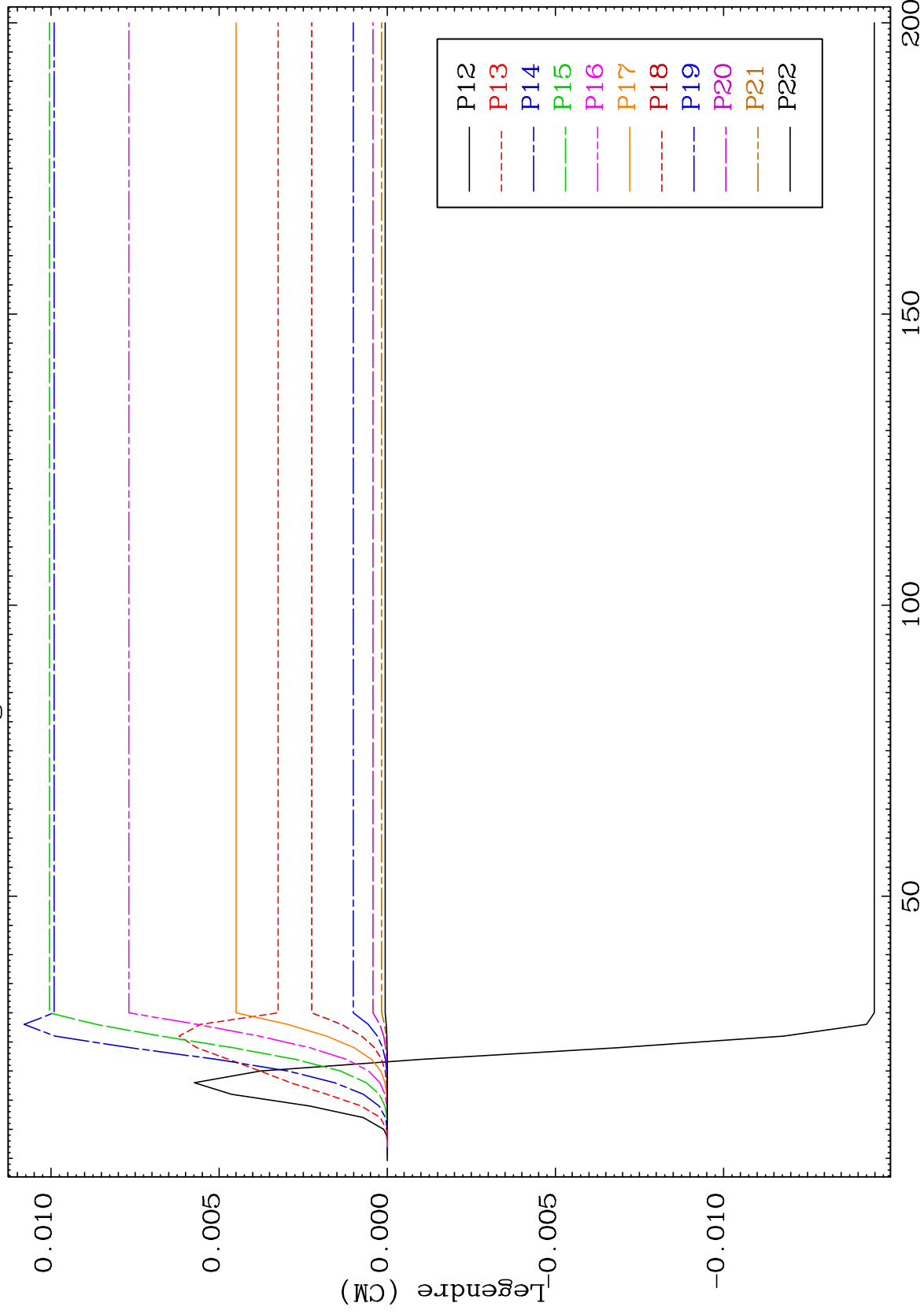
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

30-Zn-72



94

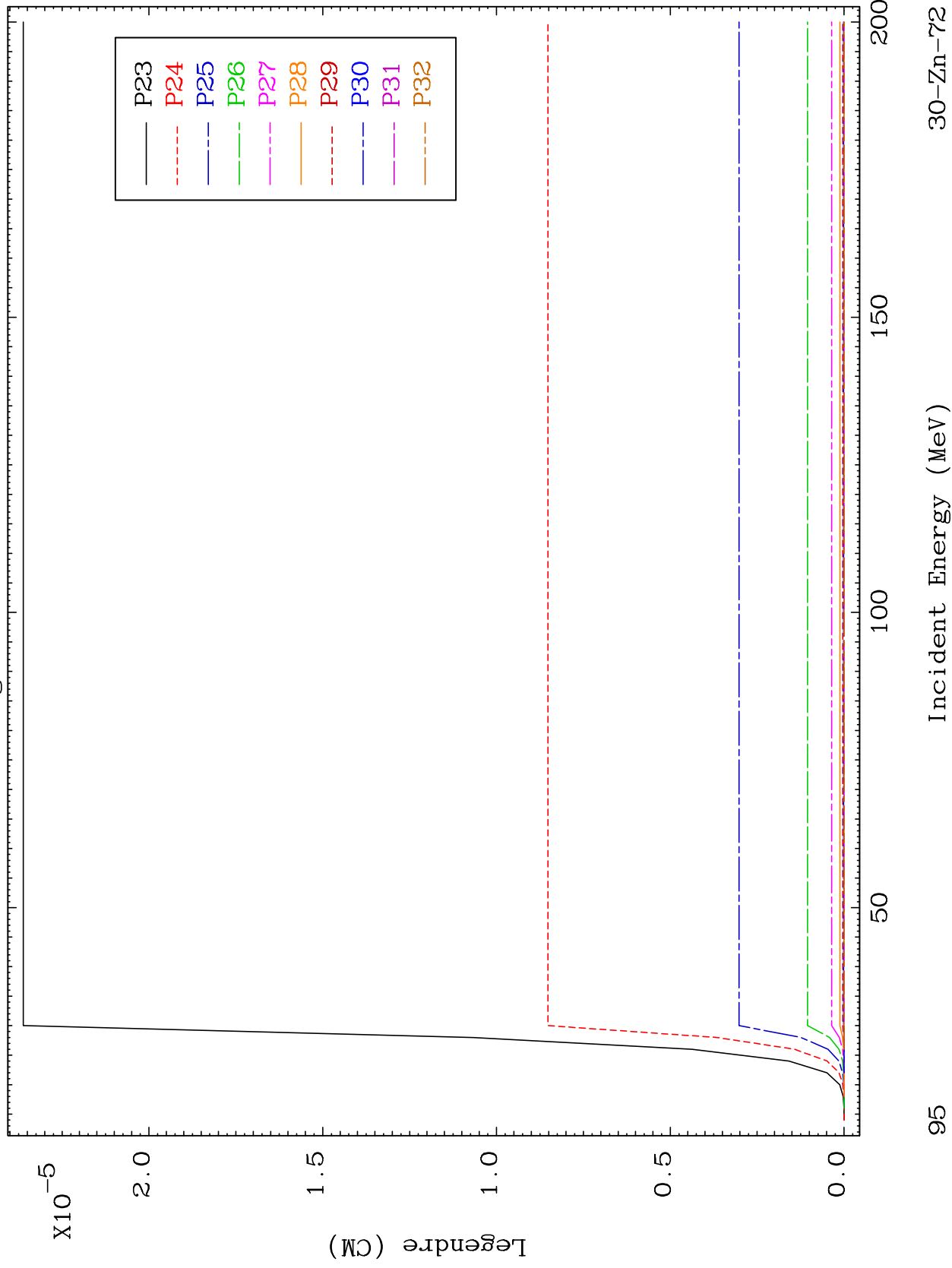
Incident Energy (MeV)

30-Zn-72

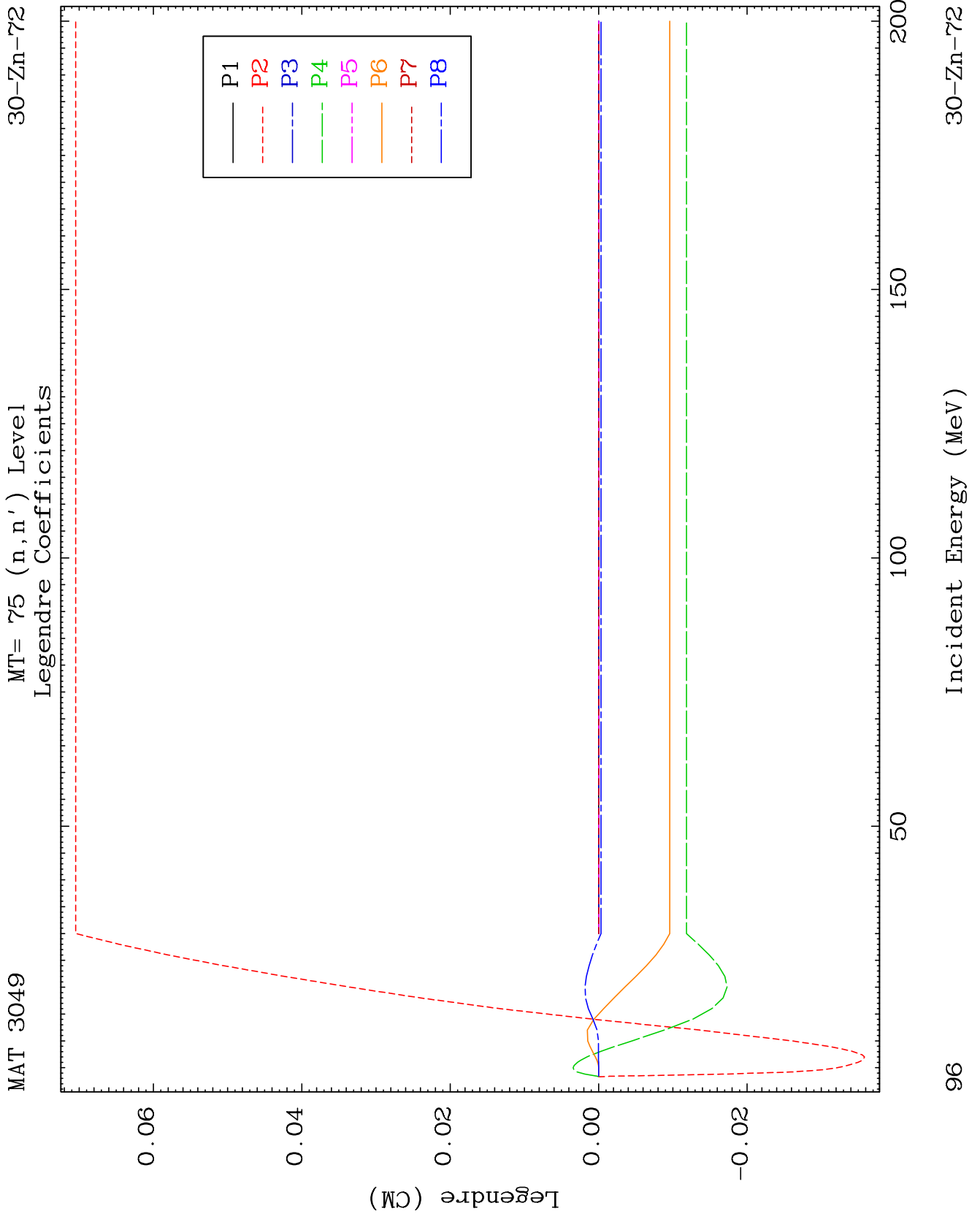
MAT 3049

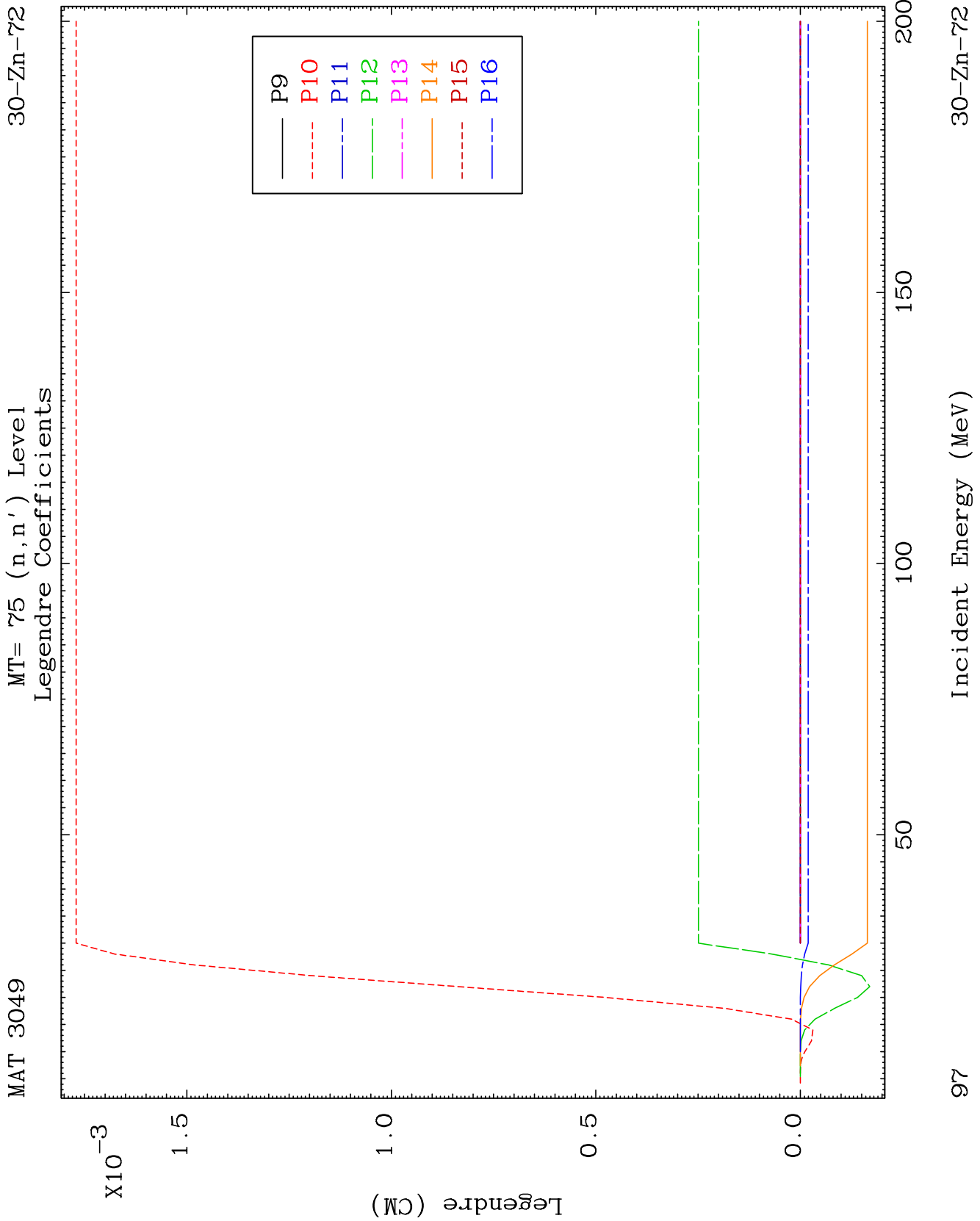
MT= 74 (n,n') Level  
Legendre Coefficients

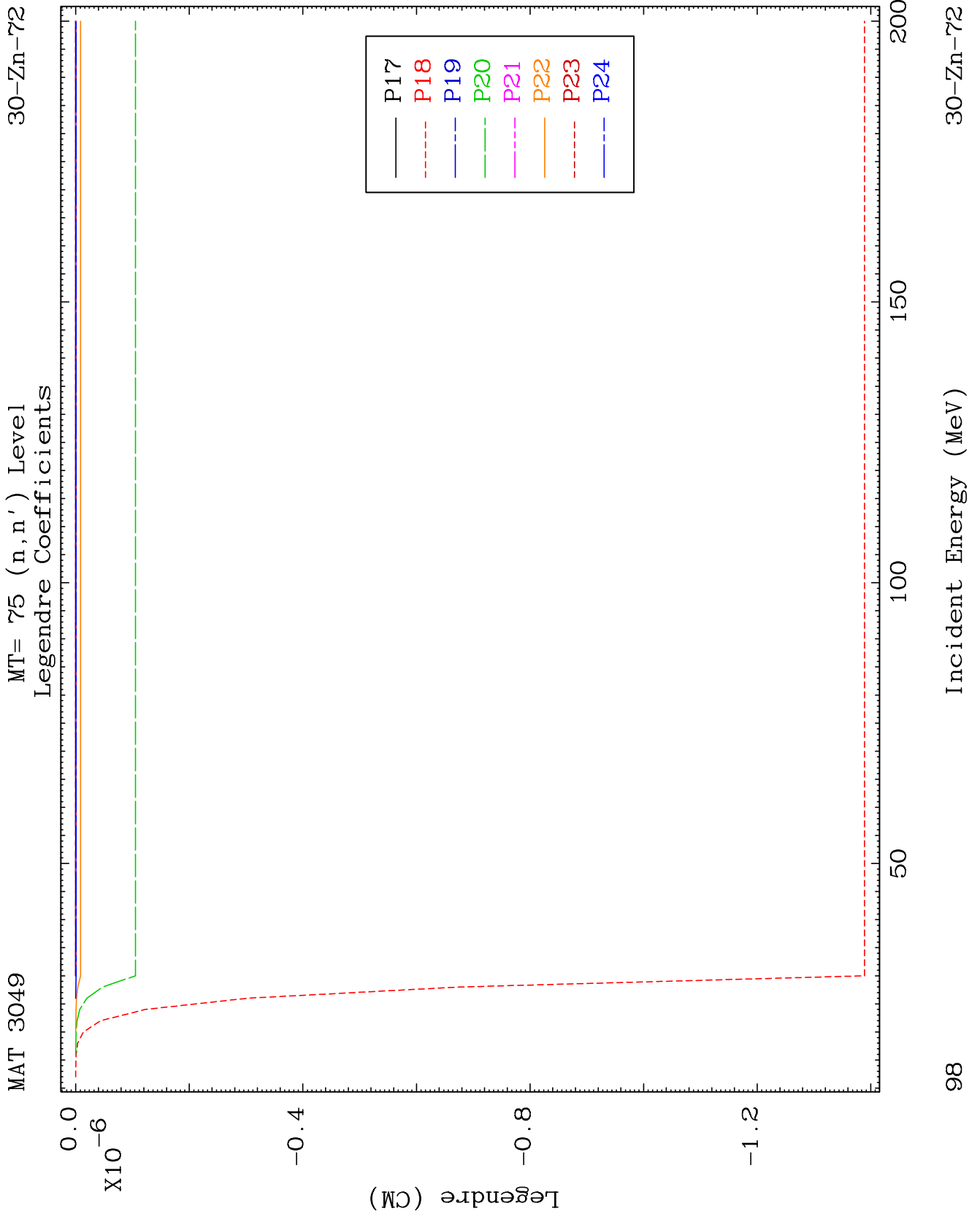
30-Zn-72

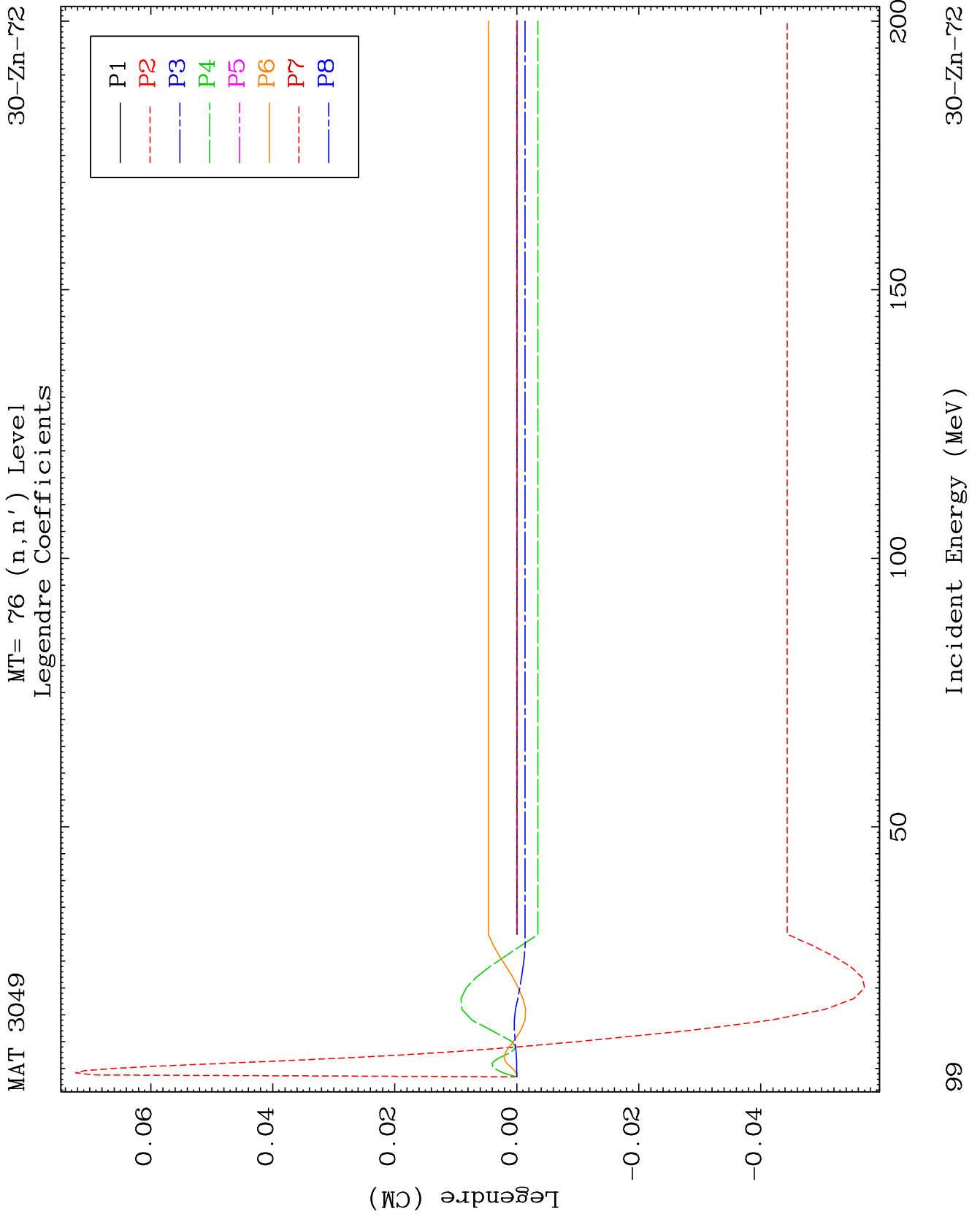


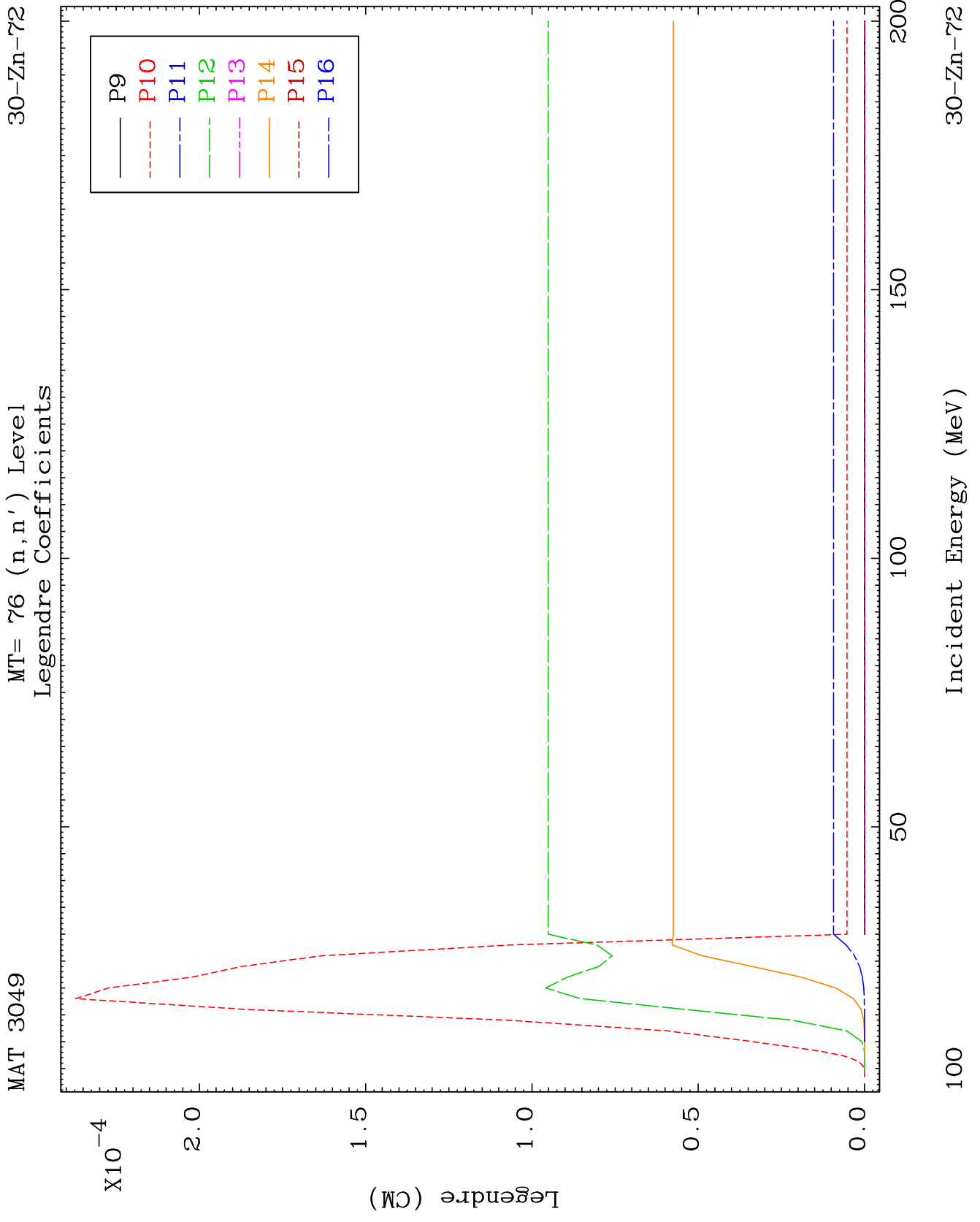


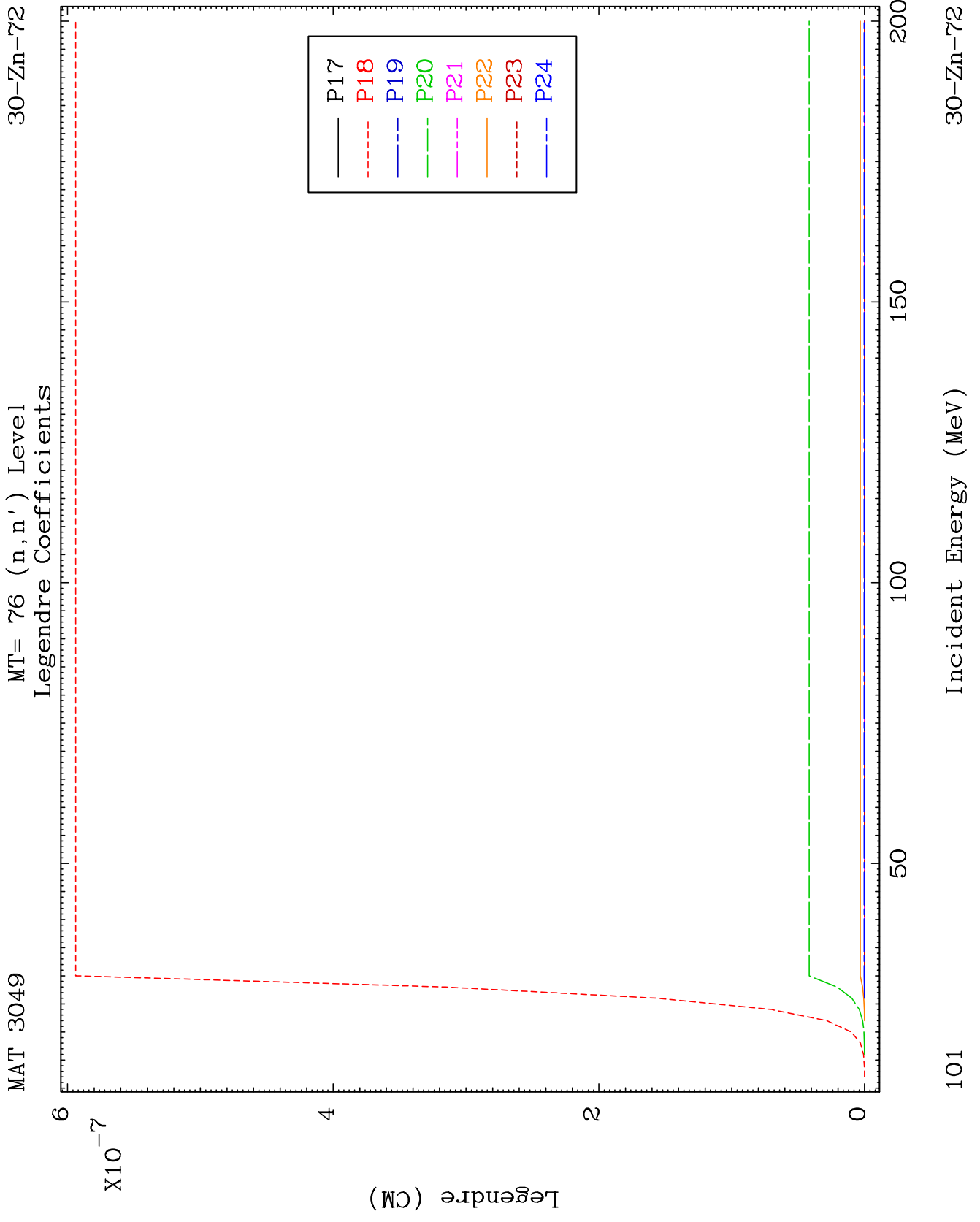








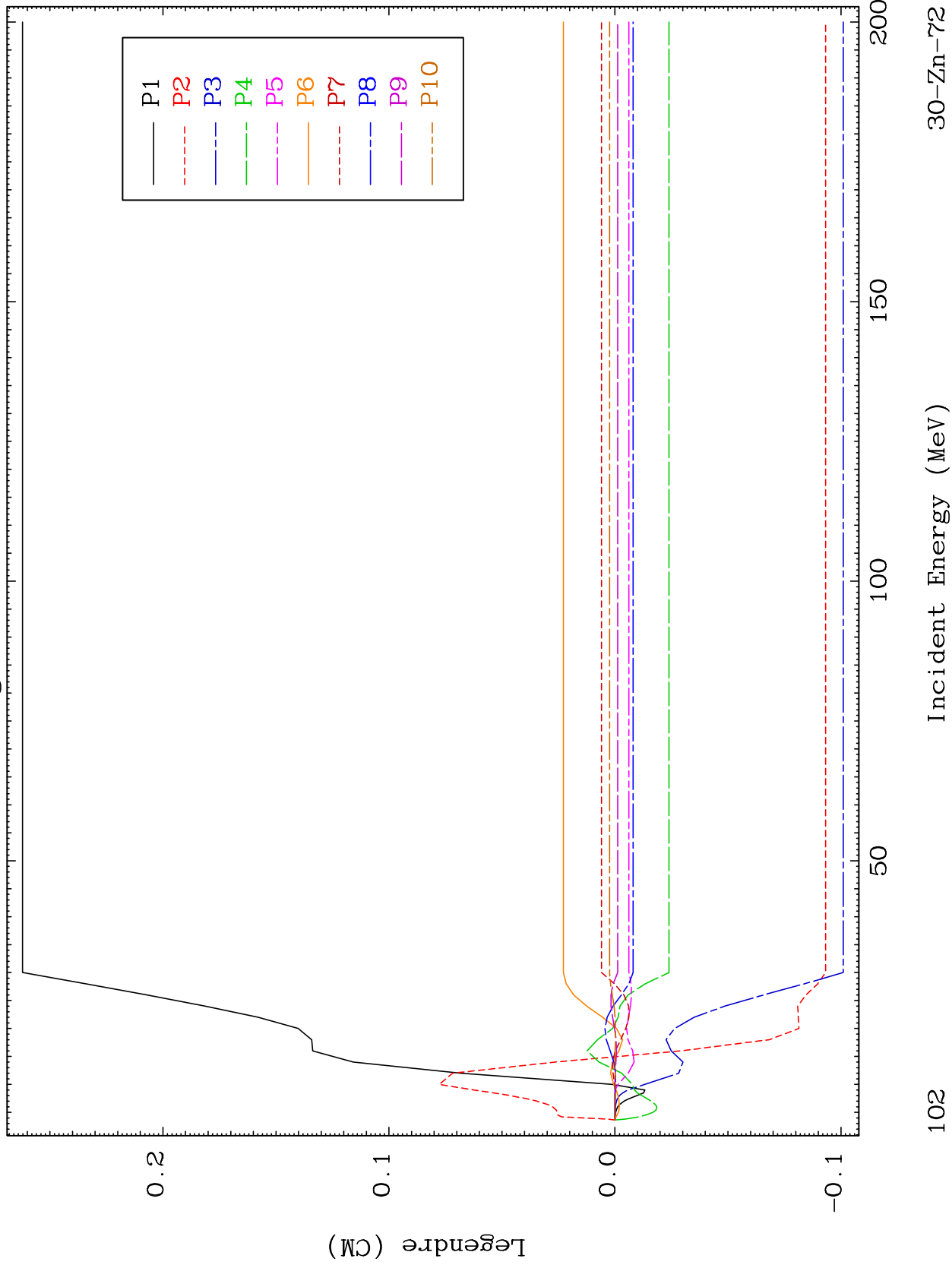




MAT 3049

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

30-Zn-72



102

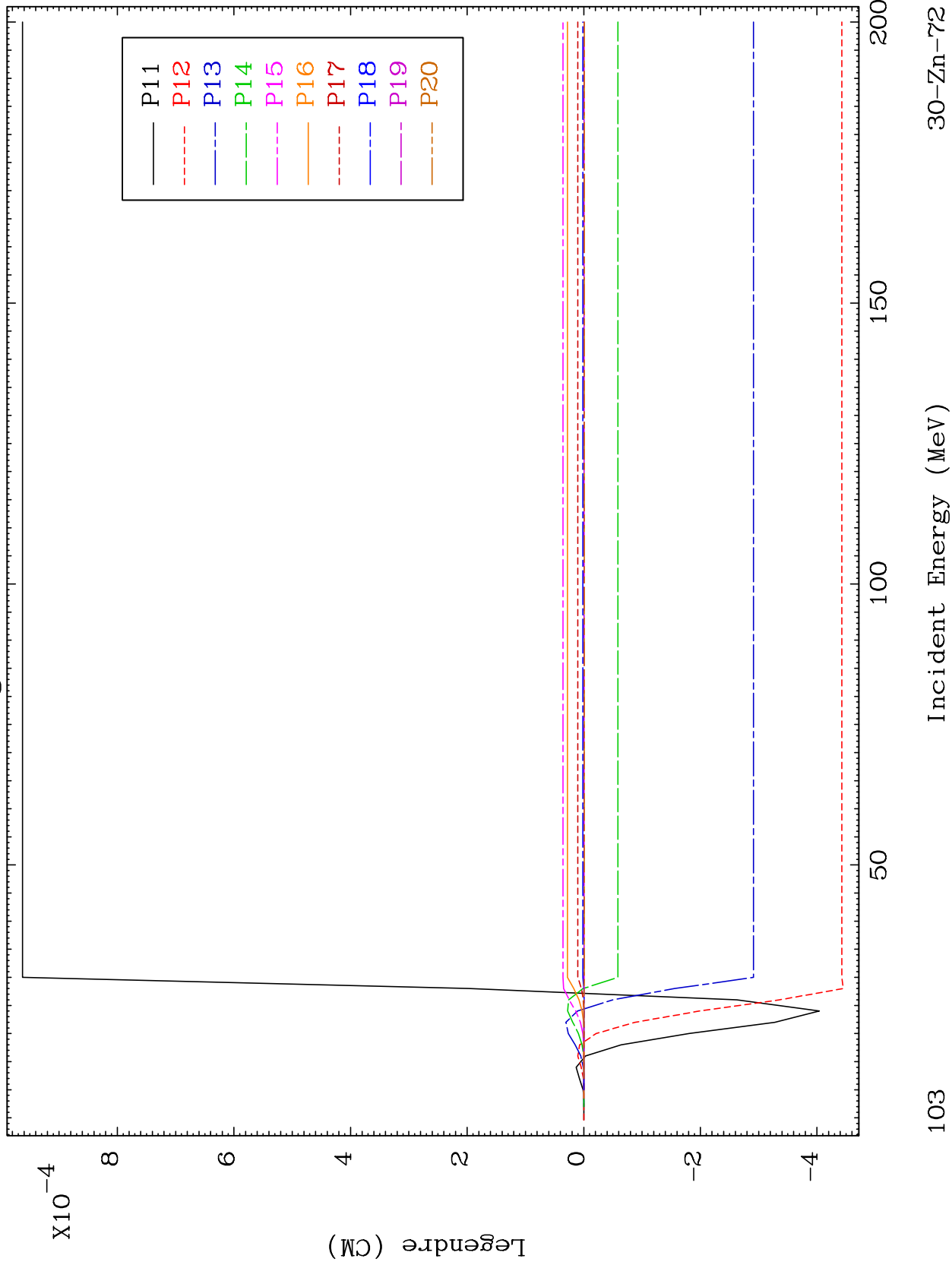
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

30-Zn-72

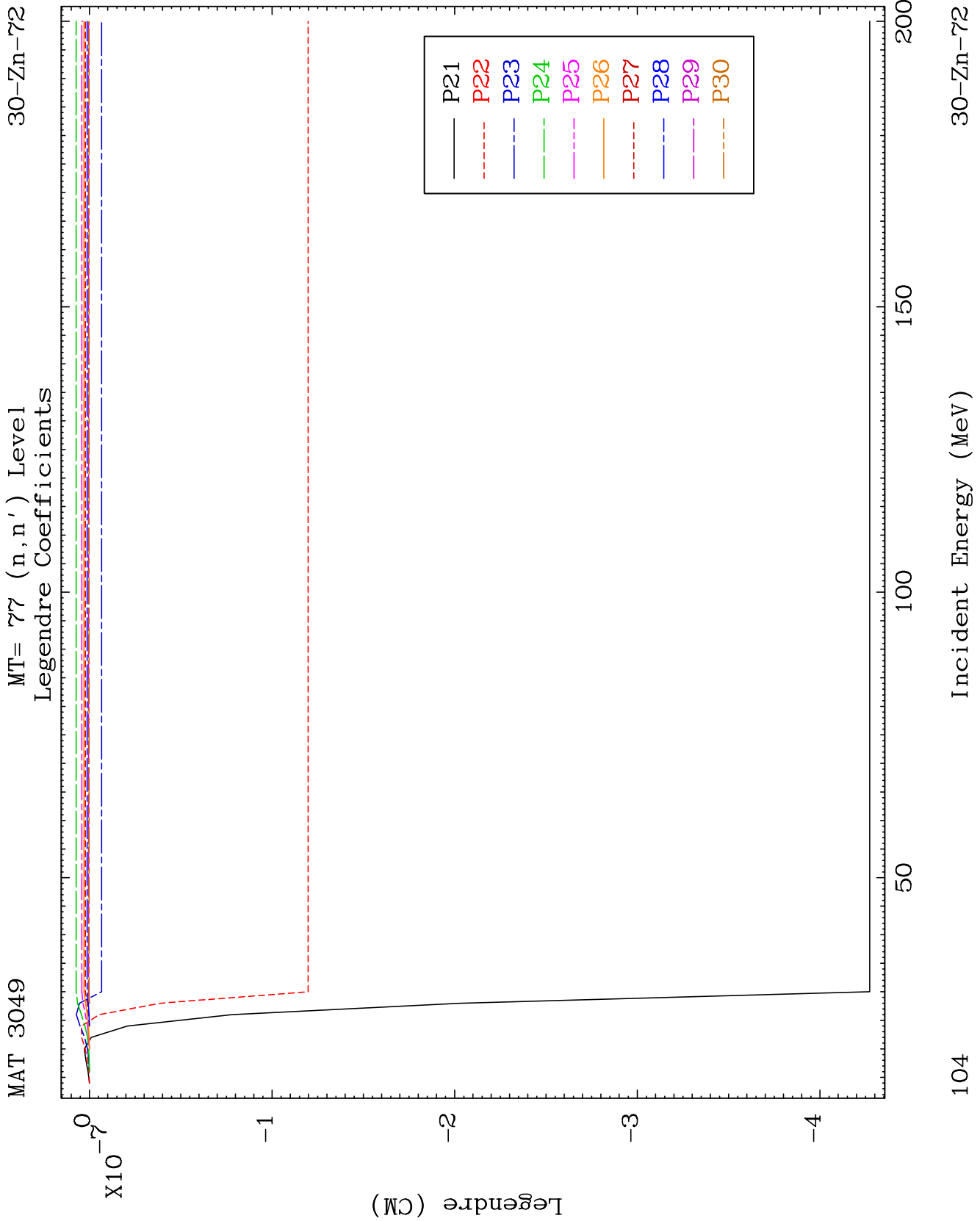


103

Incident Energy (MeV)

30-Zn-72

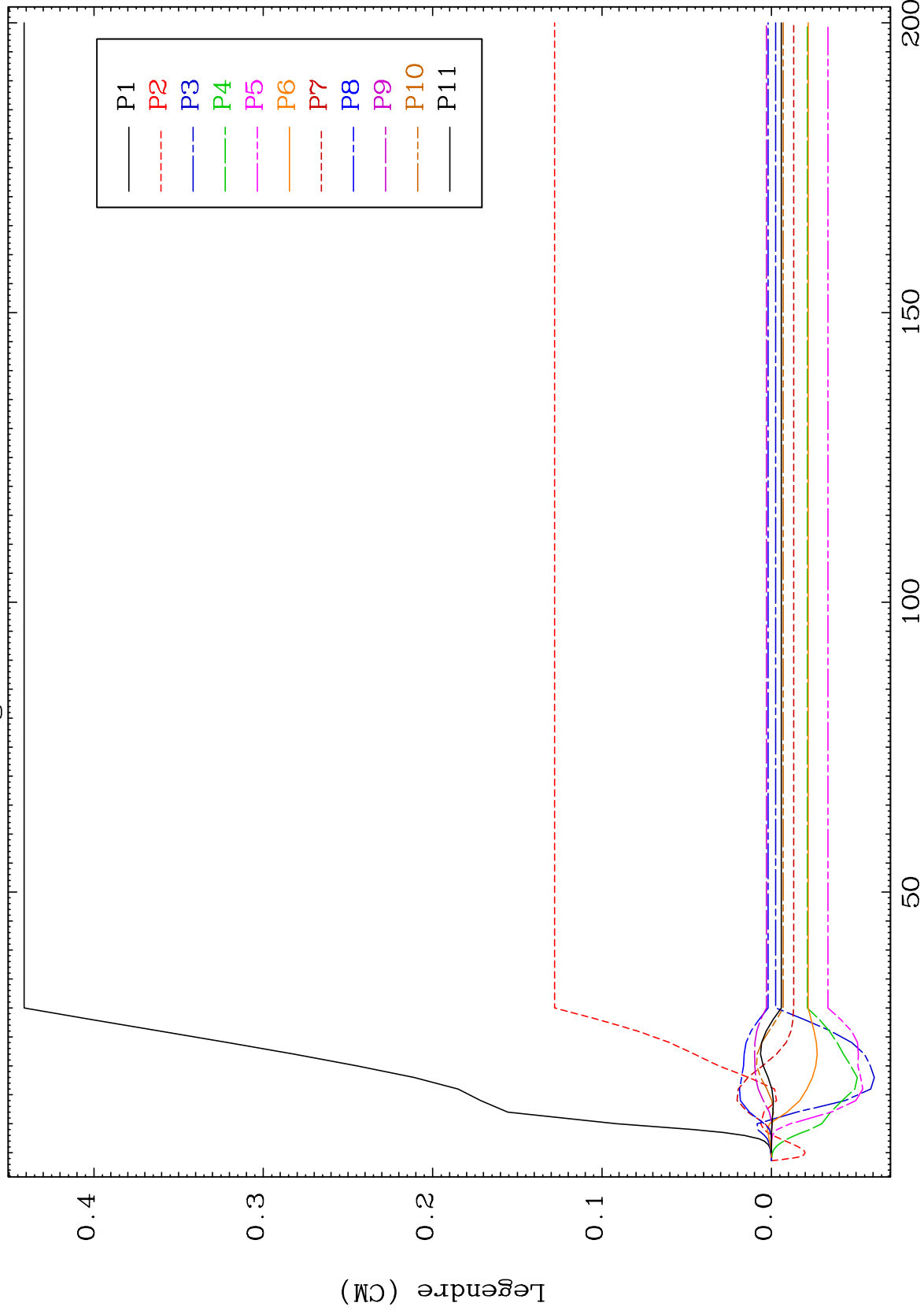




MAT 3049

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

30-Zn-72



105

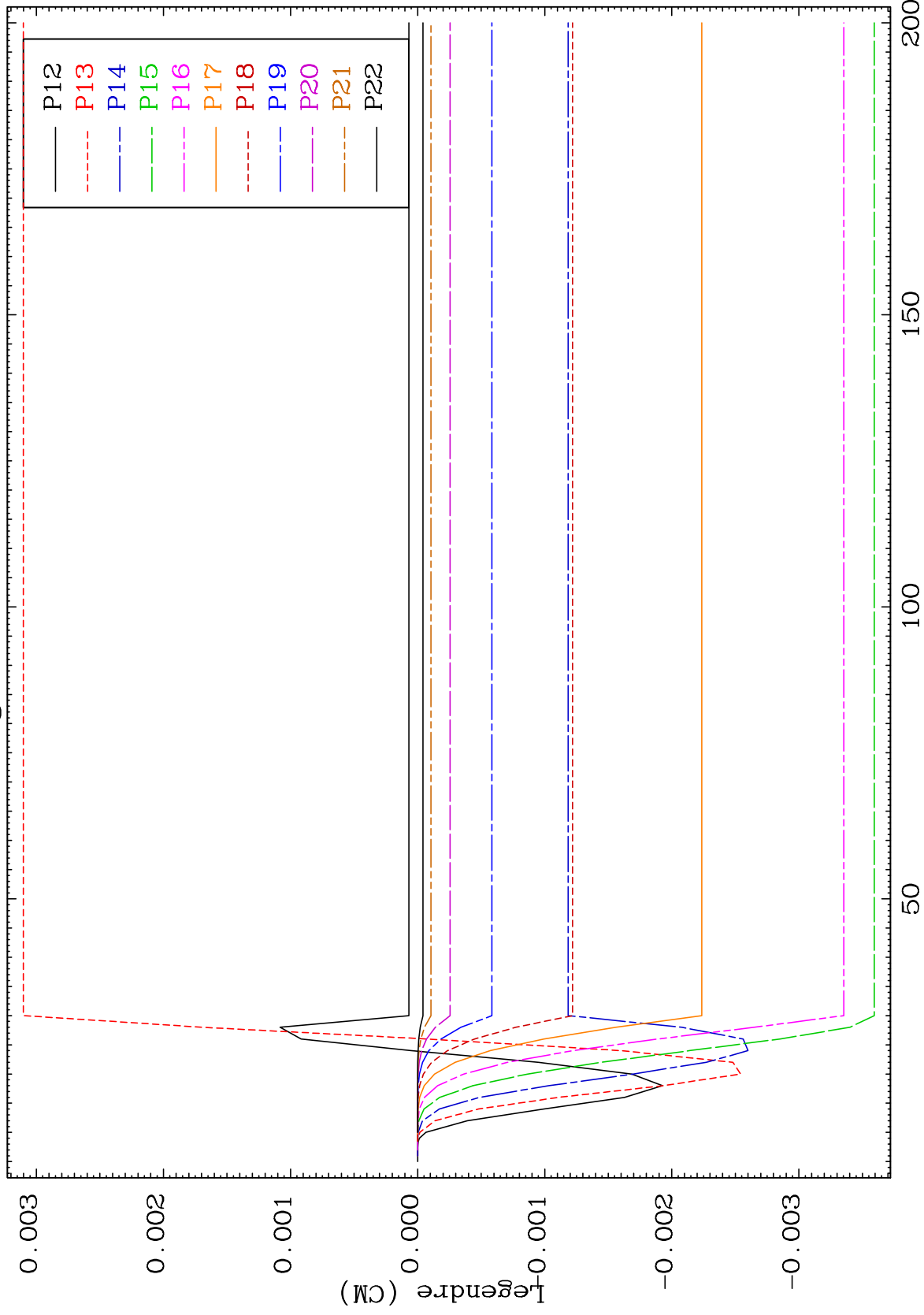
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

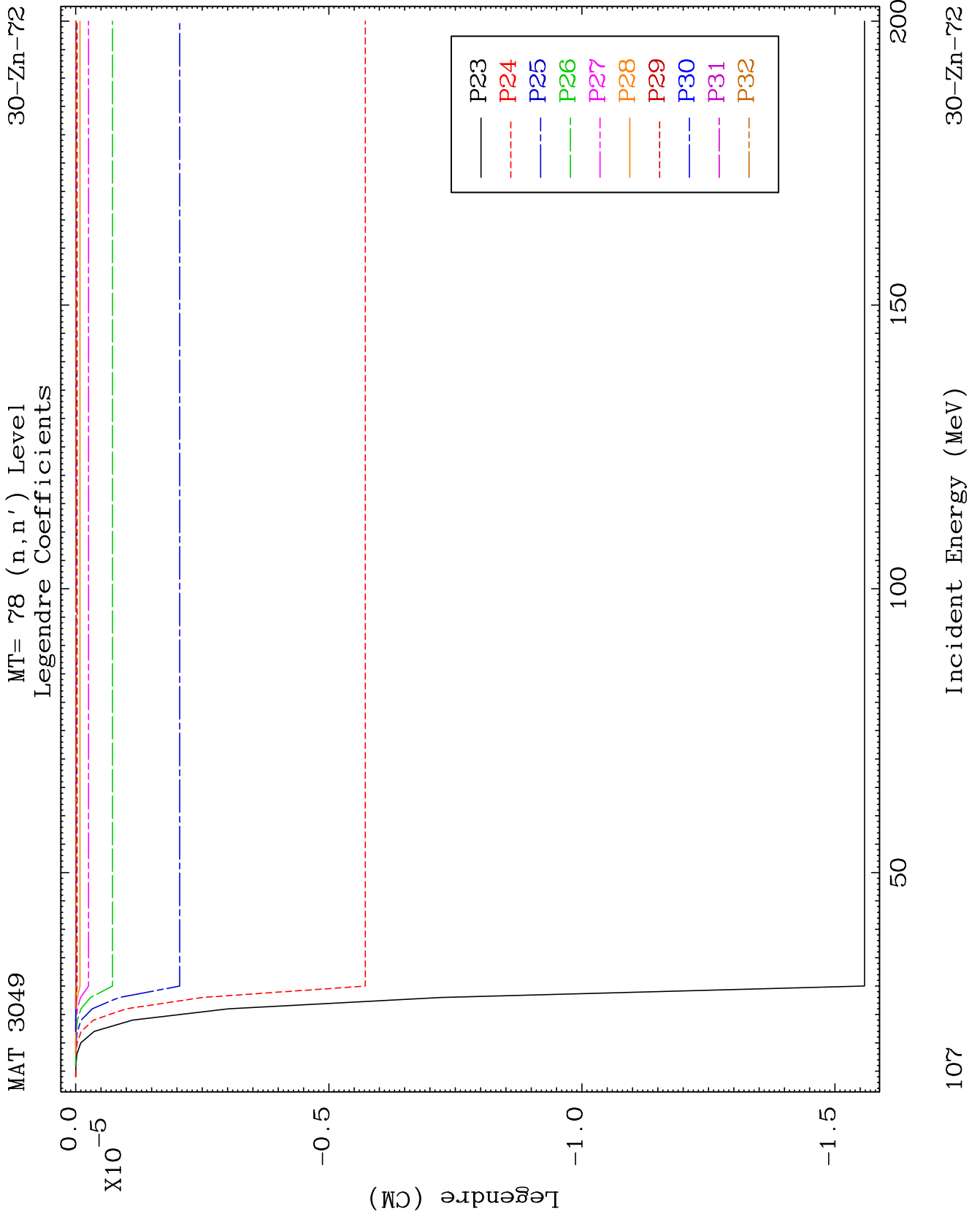
30-Zn-72



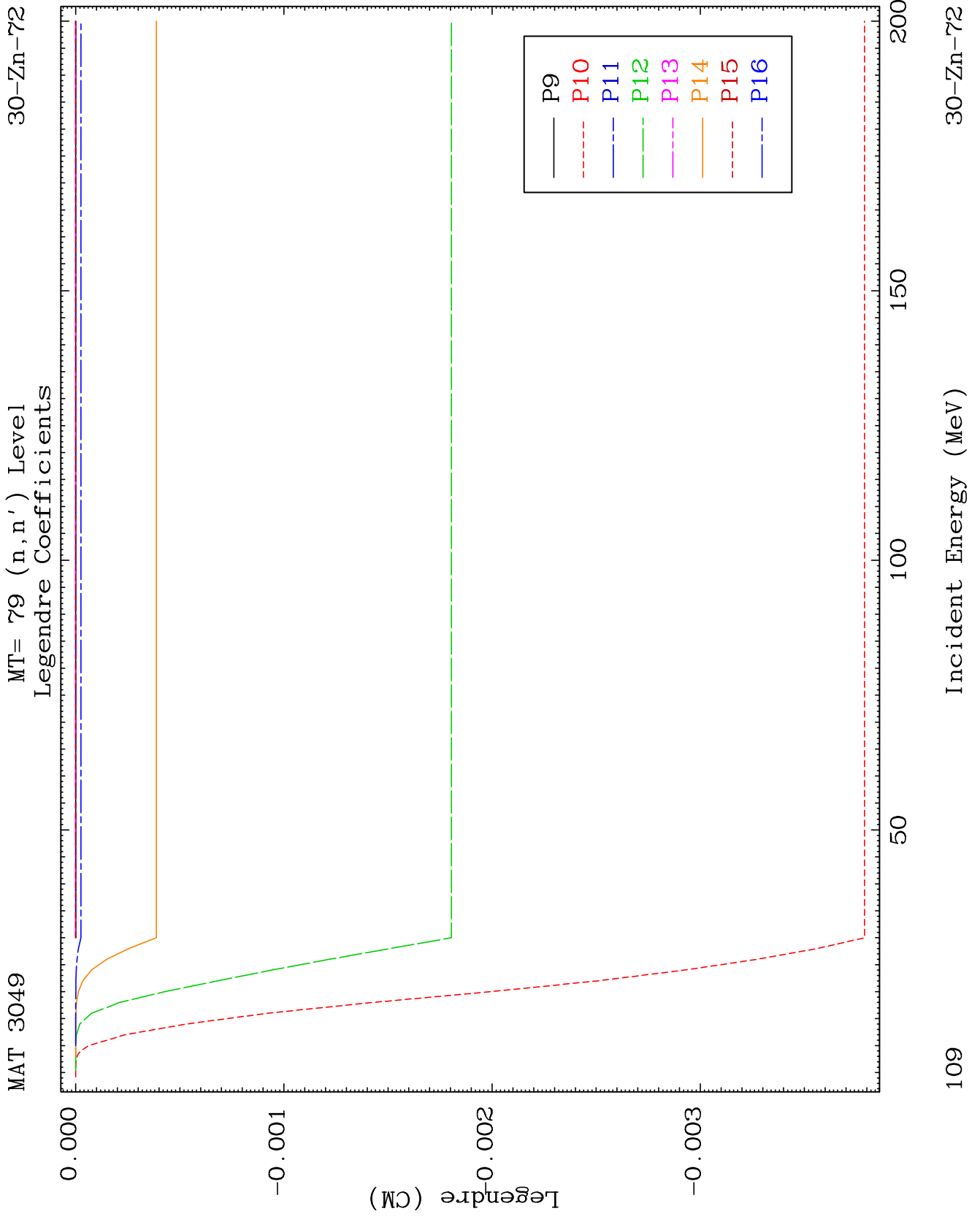
106

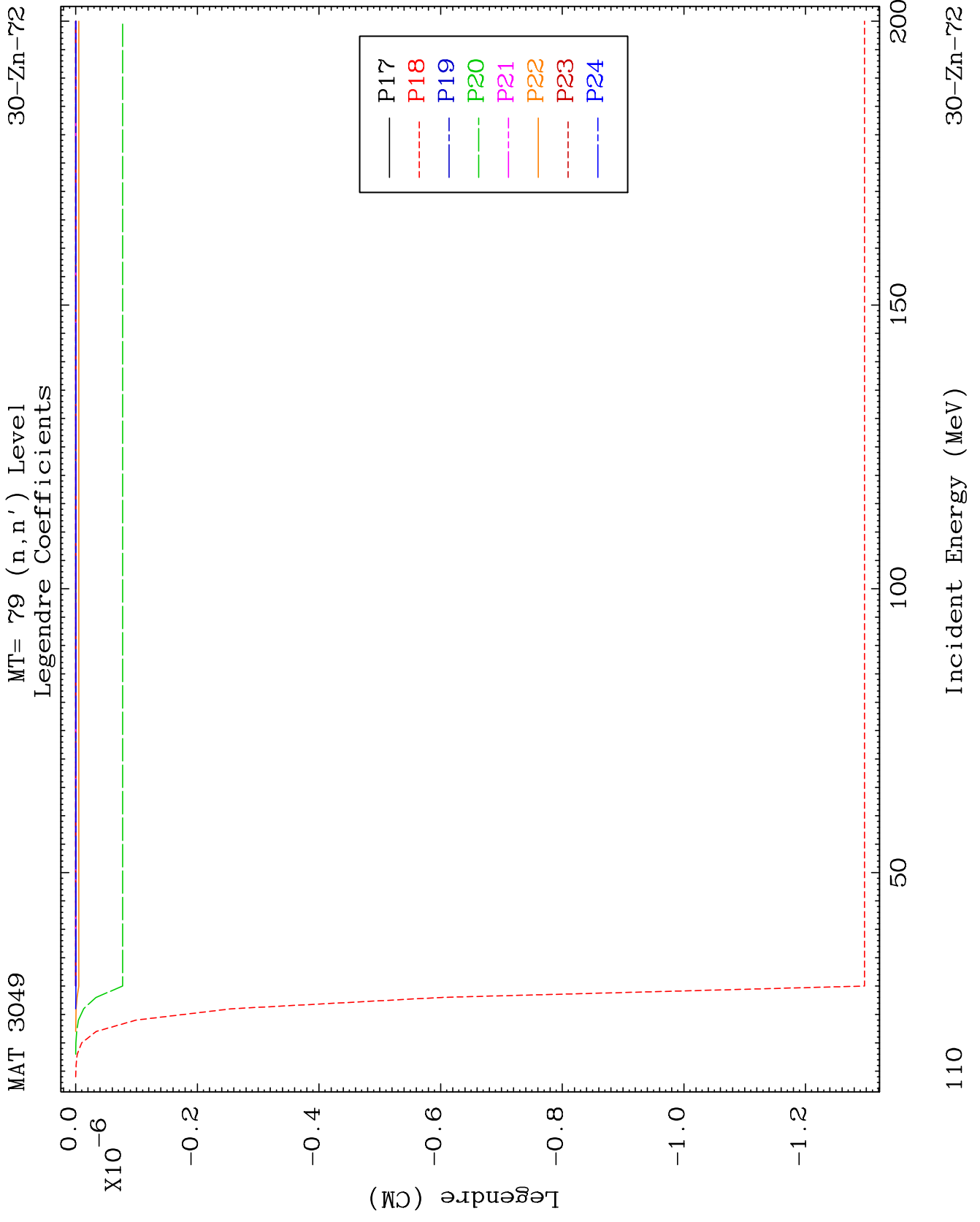
Incident Energy (MeV)

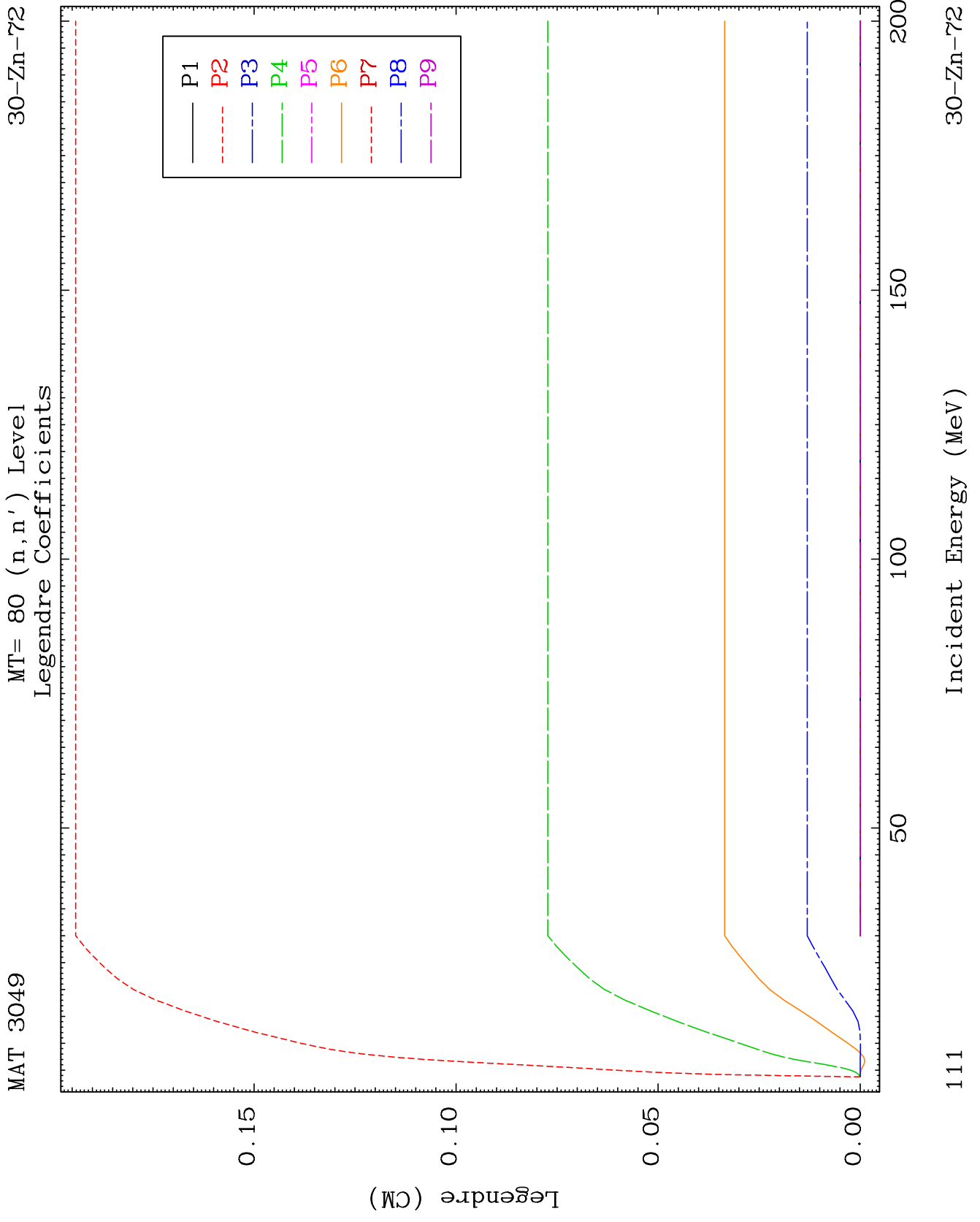
30-Zn-72









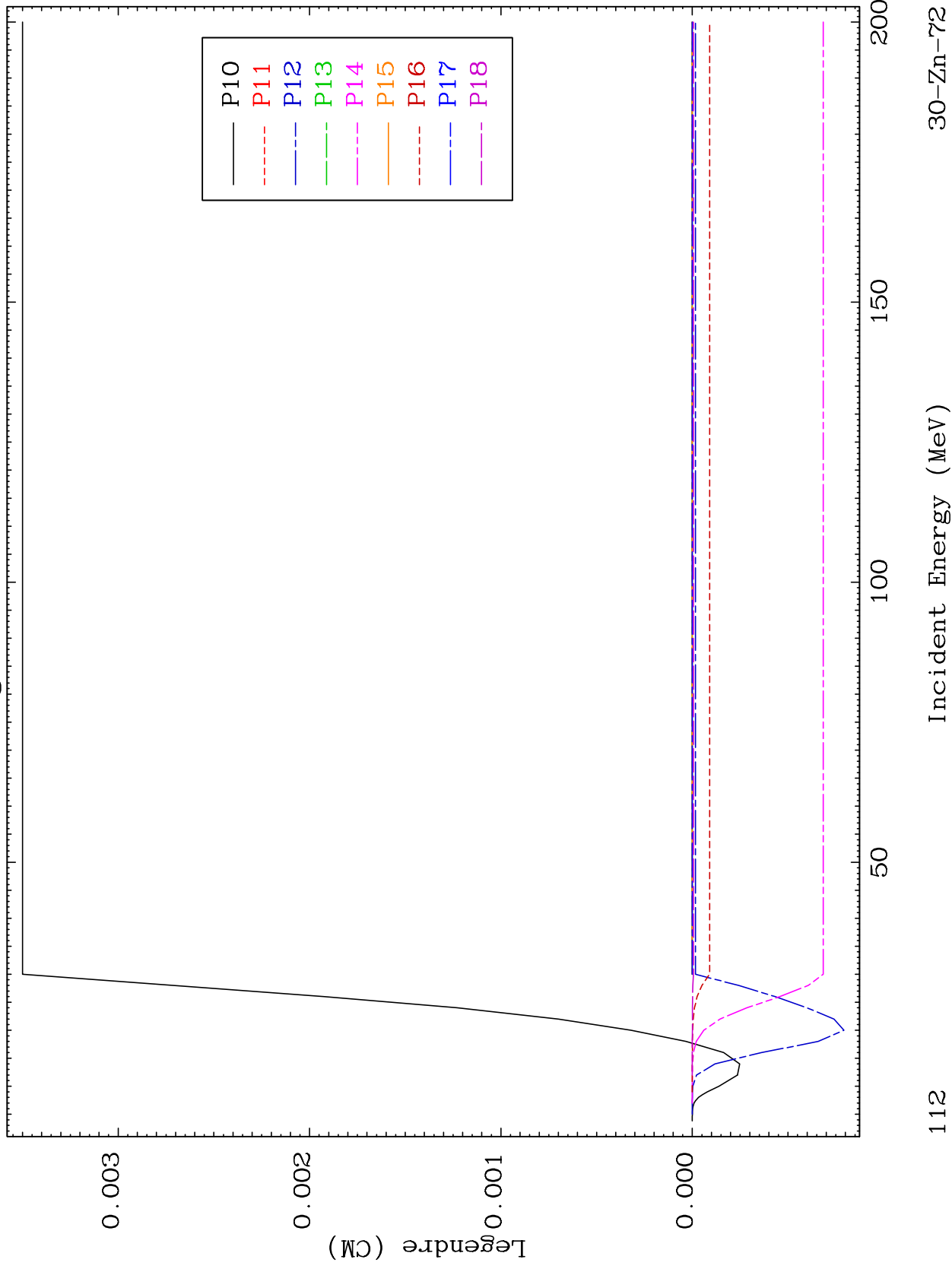




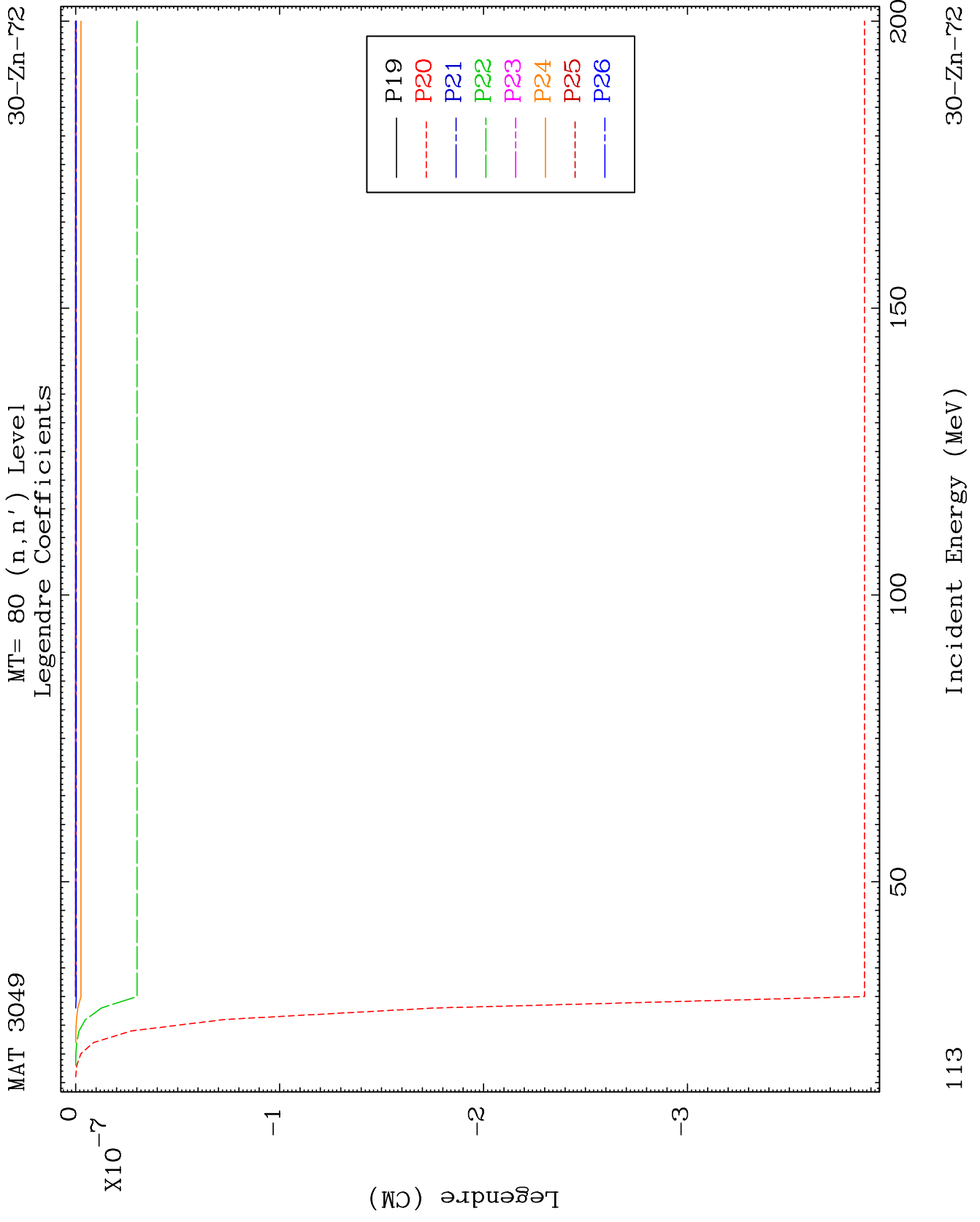
MAT 3049

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

30-Zn-72



112

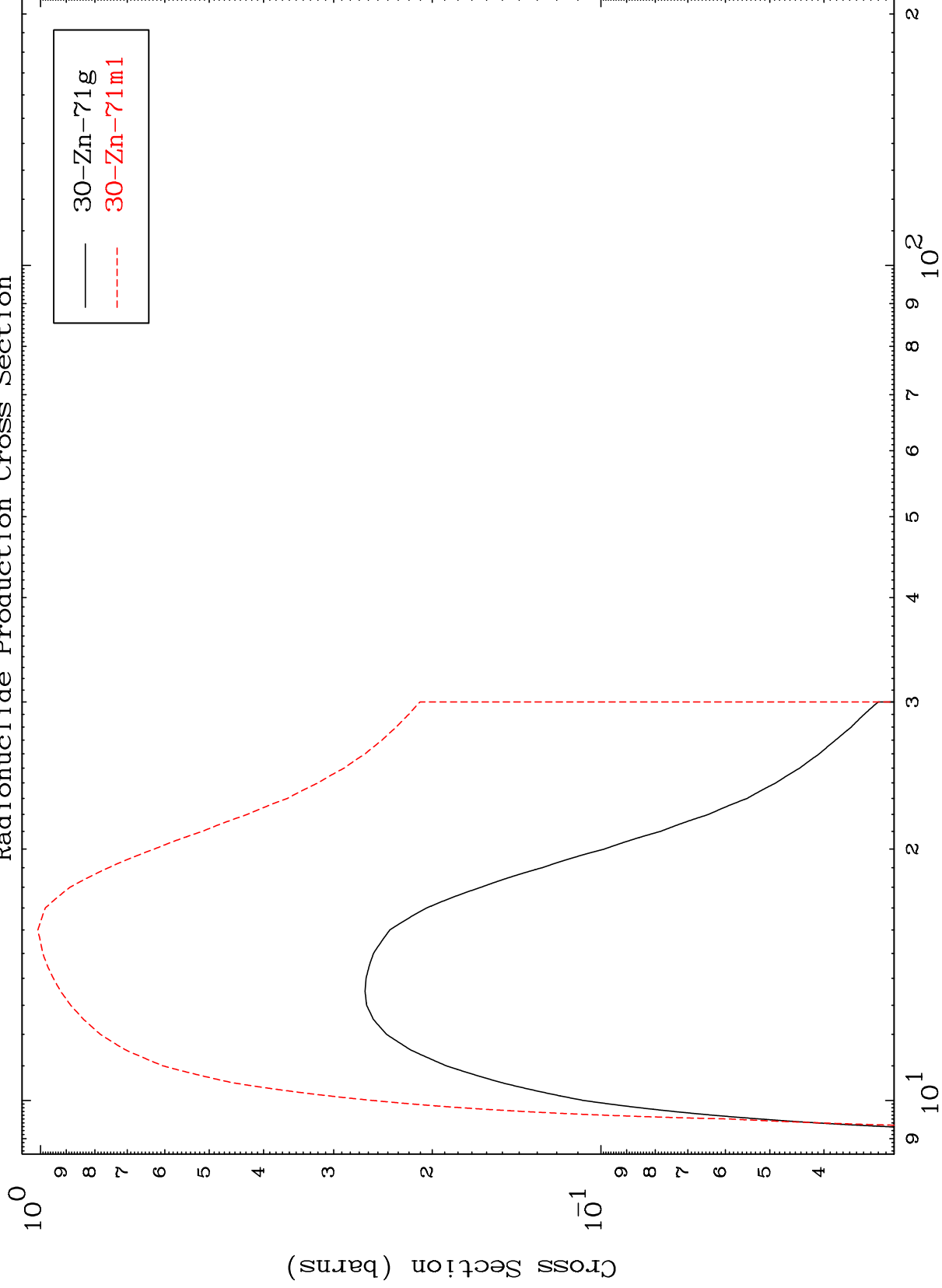


MAT 3049

(n,2n)

30-Zn-72

Radionuclide Production Cross Section

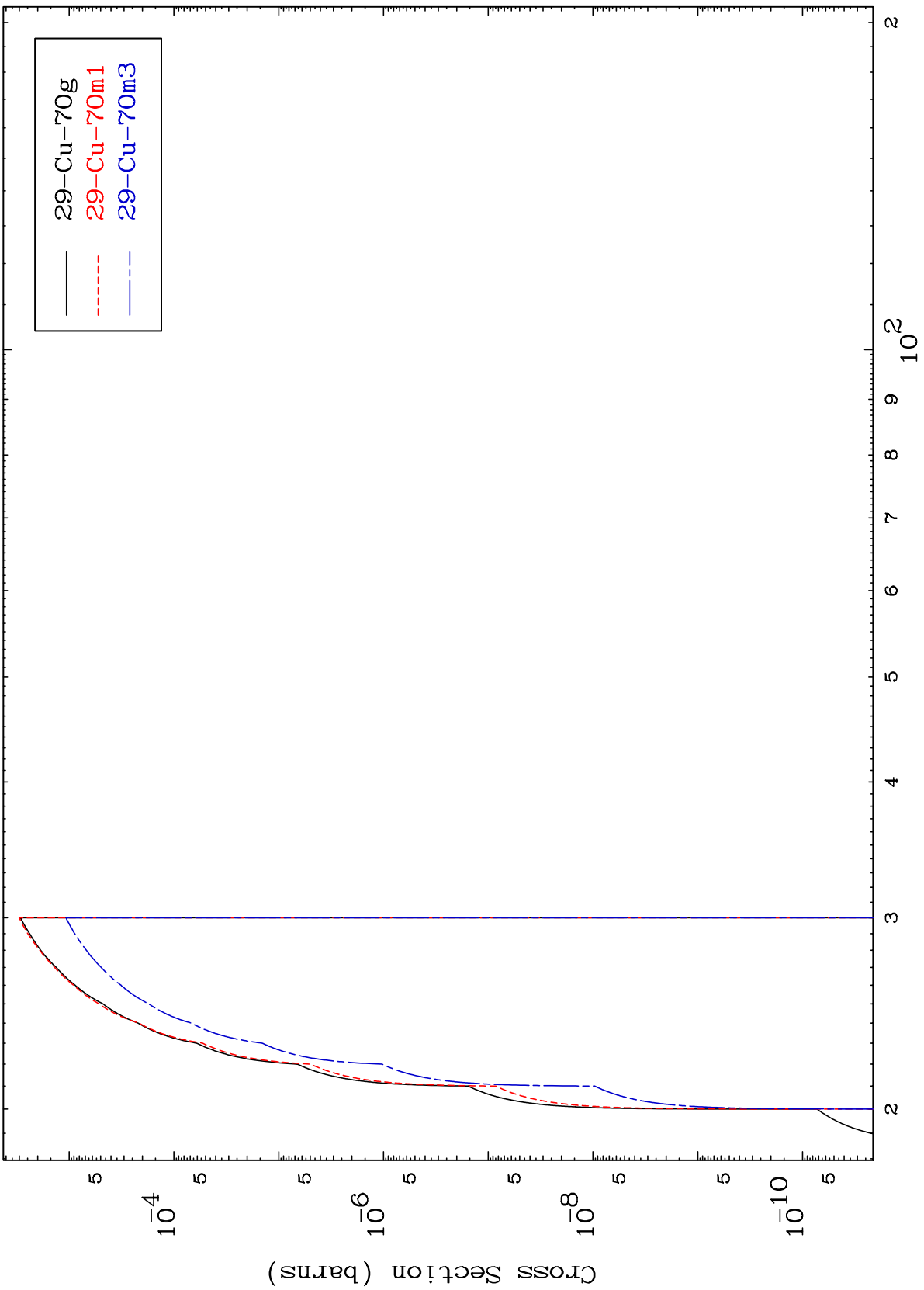


Incident Energy (MeV)

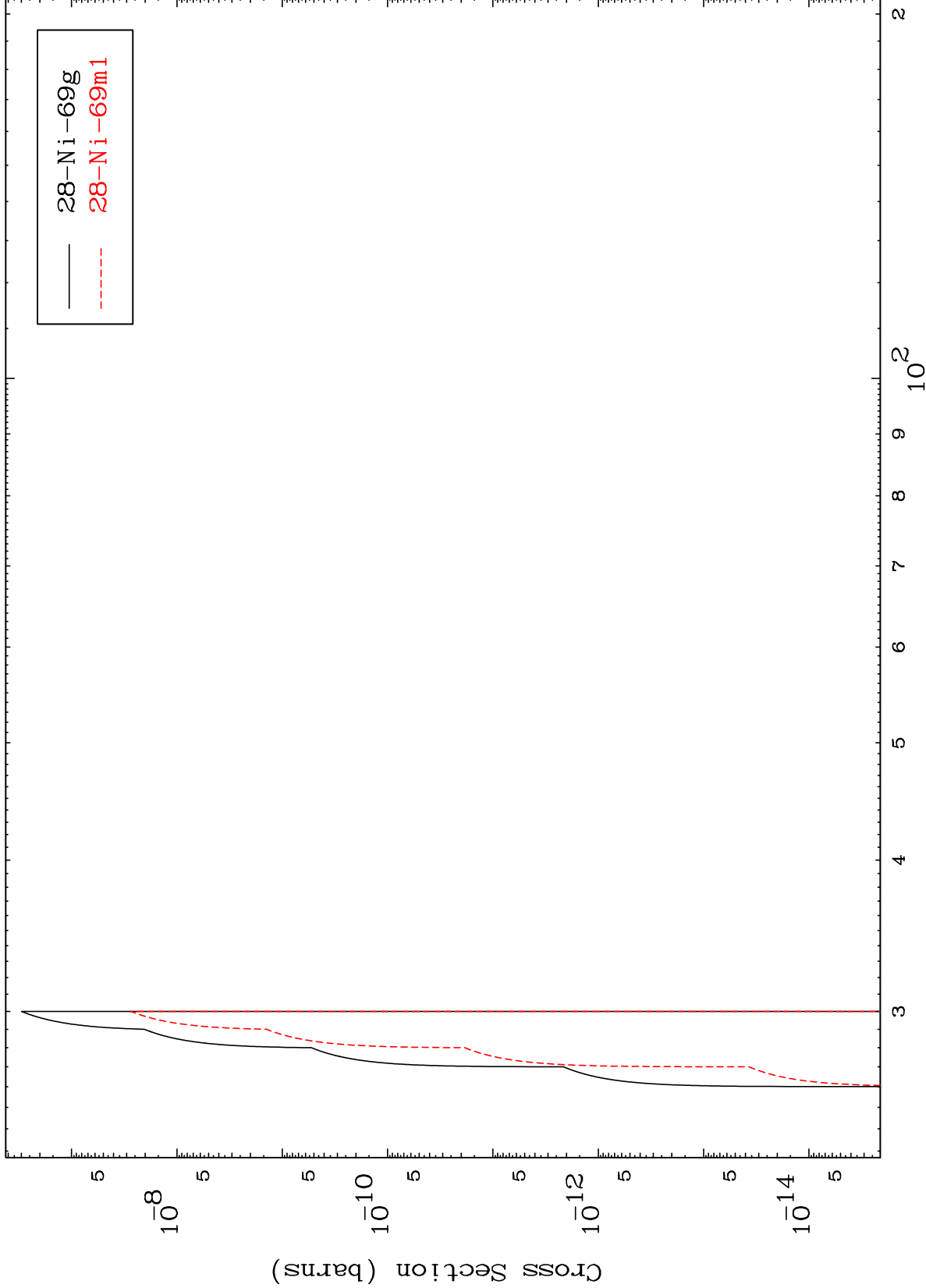
30-Zn-72

114

Radionuclide Production Cross Section



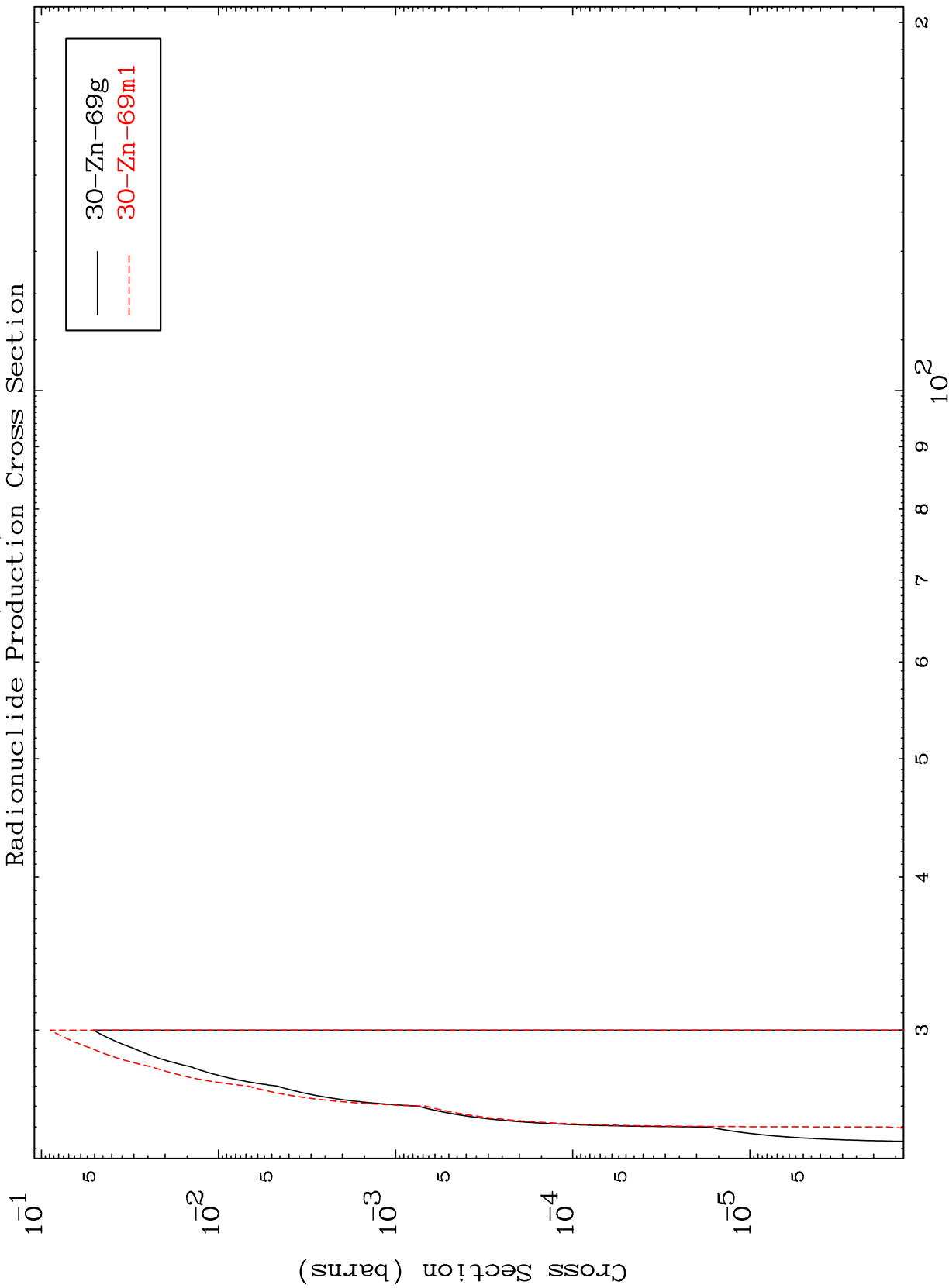
Radionuclide Production Cross Section



MAT 3049

30-Zn-72

(n,4n)  
Radionuclide Production Cross Section



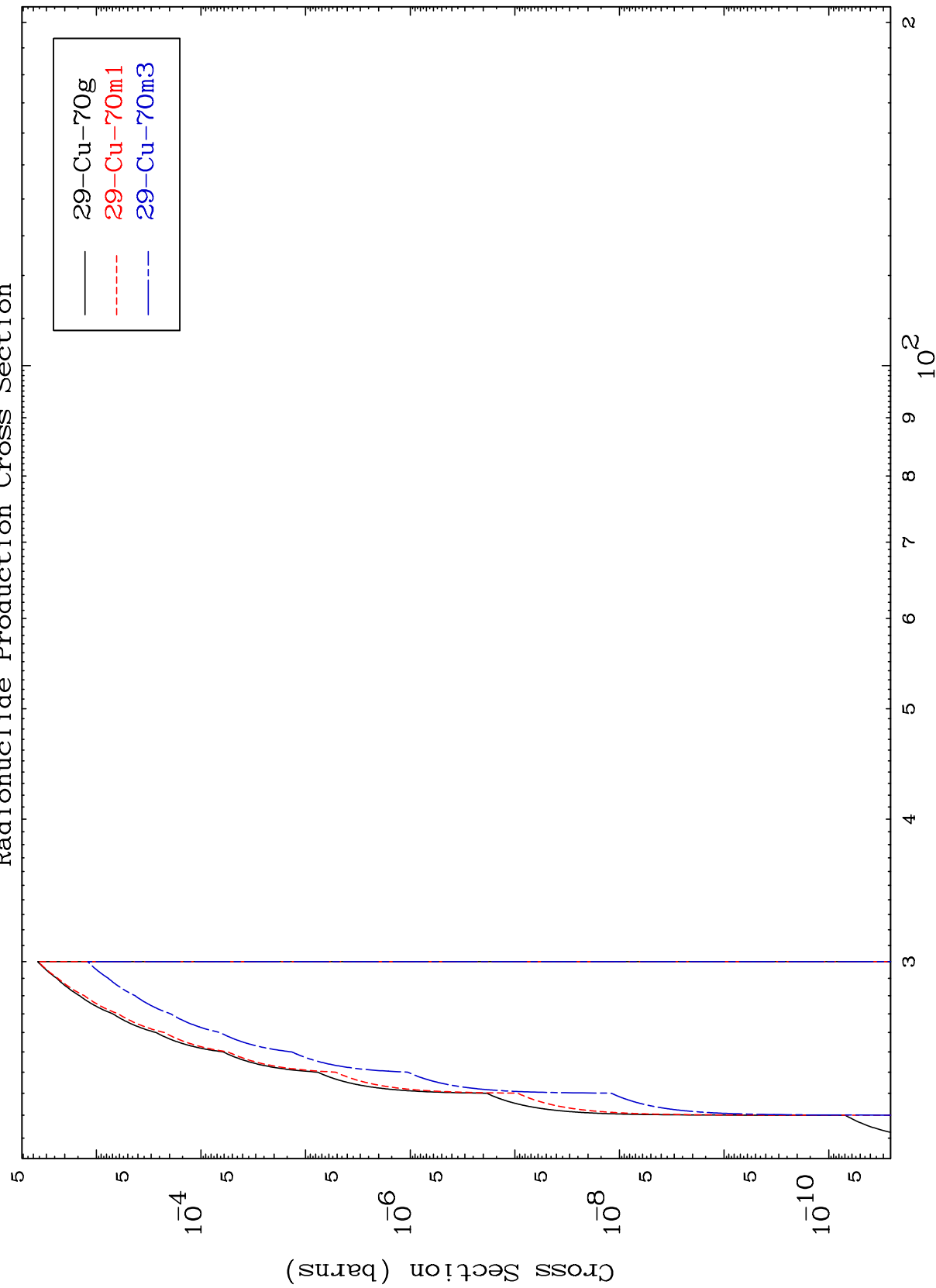
30-Zn-69g  
30-Zn-69m1

Incident Energy (MeV)

30-Zn-72

117

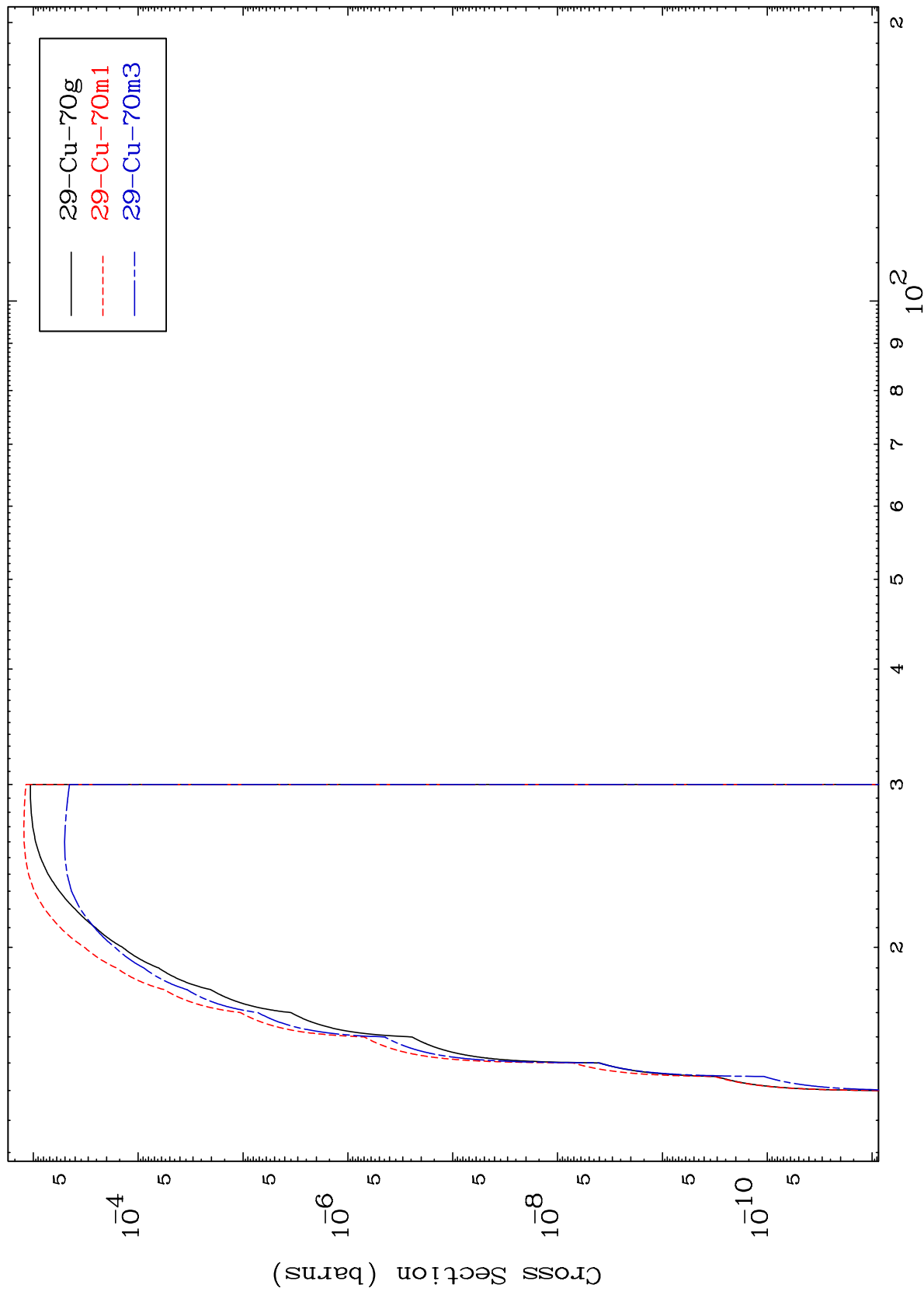
Radionuclide Production Cross Section



MAT 3049

30-Zn-72

(n,t)  
Radionuclide Production Cross Section



119

Incident Energy (MeV)

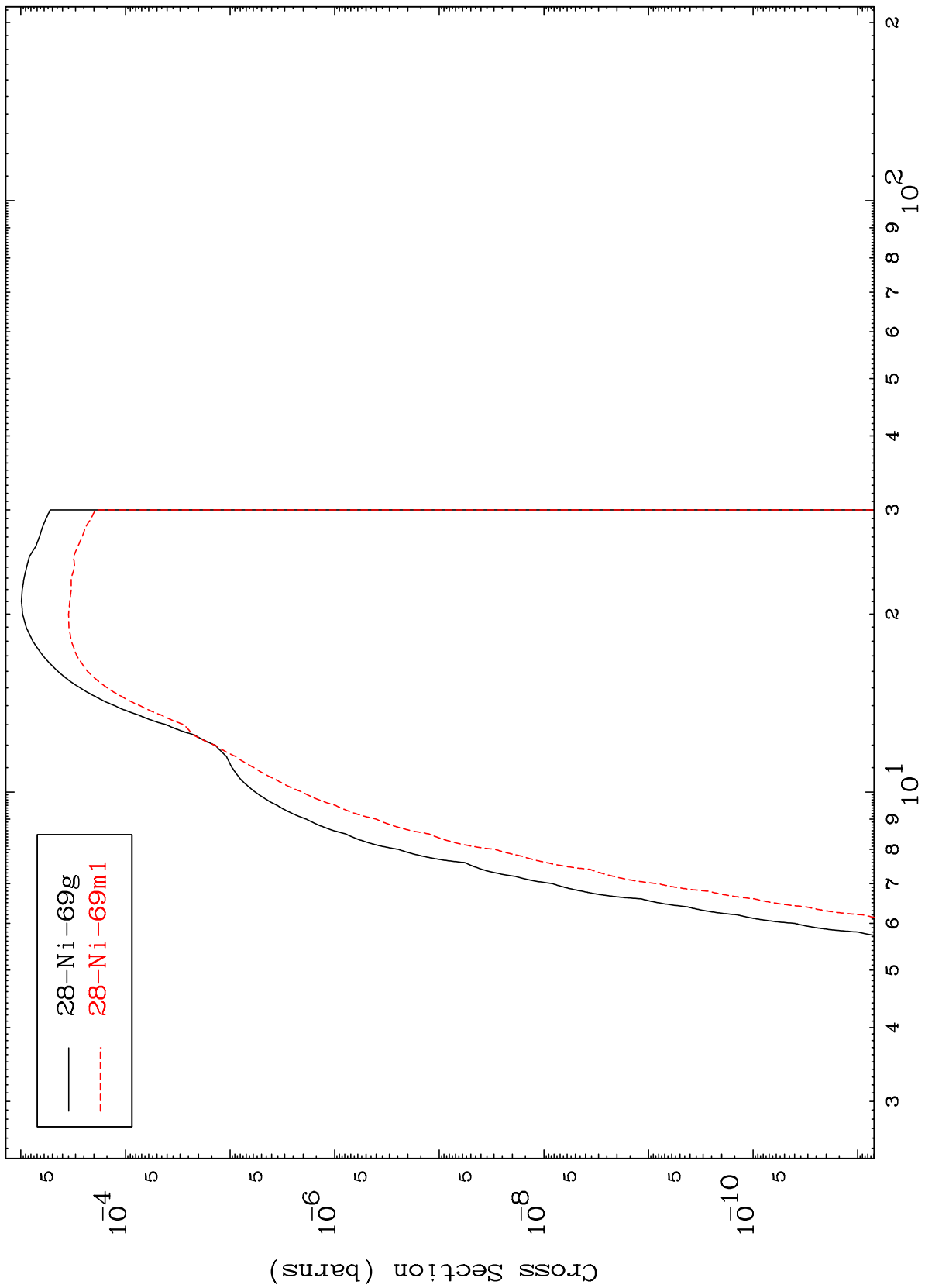
30-Zn-72



MAT 3049

30-Zn-72

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



120

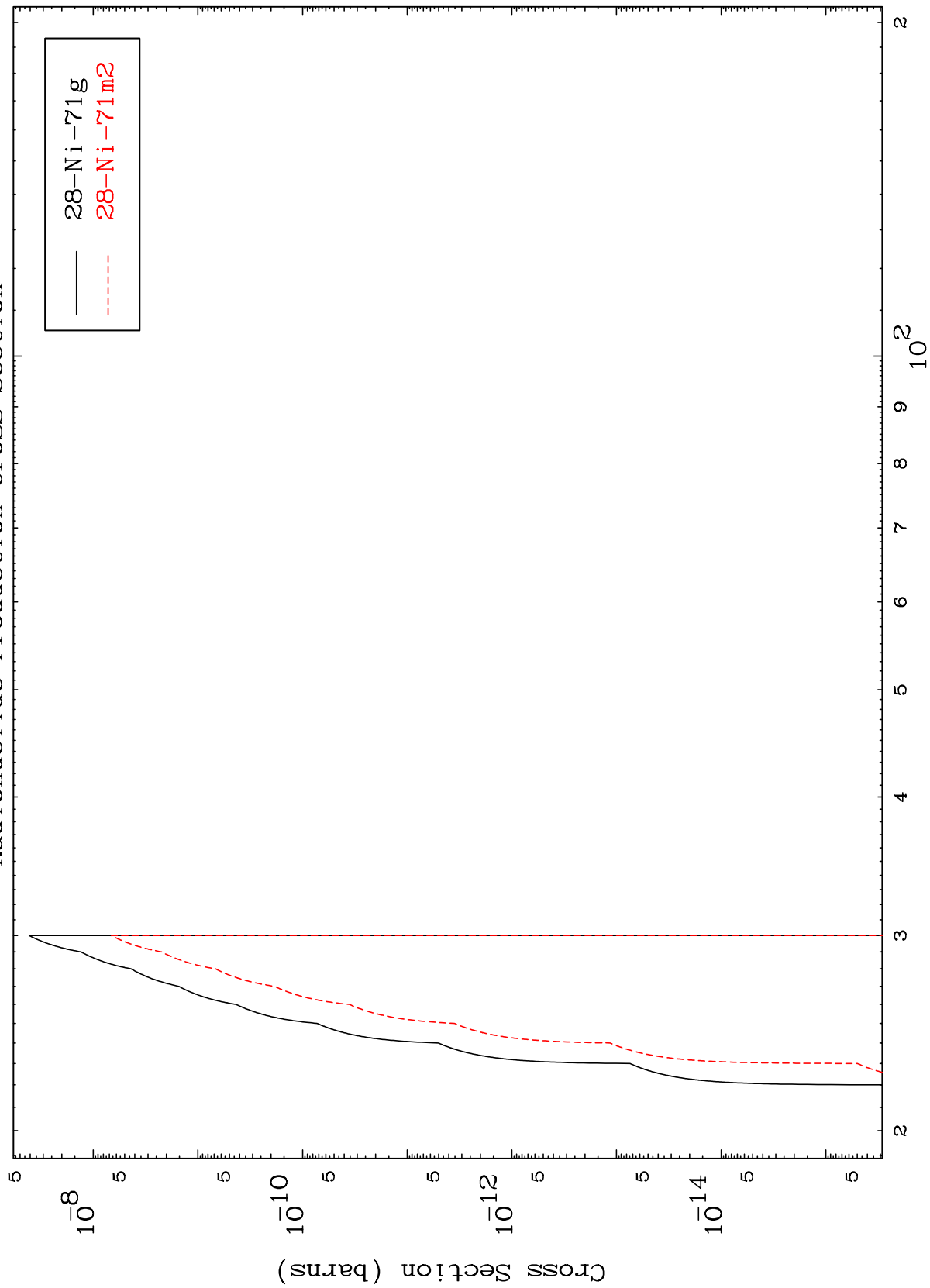
Incident Energy (MeV)

30-Zn-72

MAT 3049

30-Zn-72

(n,2p)  
Radionuclide Production Cross Section



121

Incident Energy (MeV)

30-Zn-72

Radionuclide Production Cross Section

