

Program EVALPLOT  
(Version 2018-1)

by

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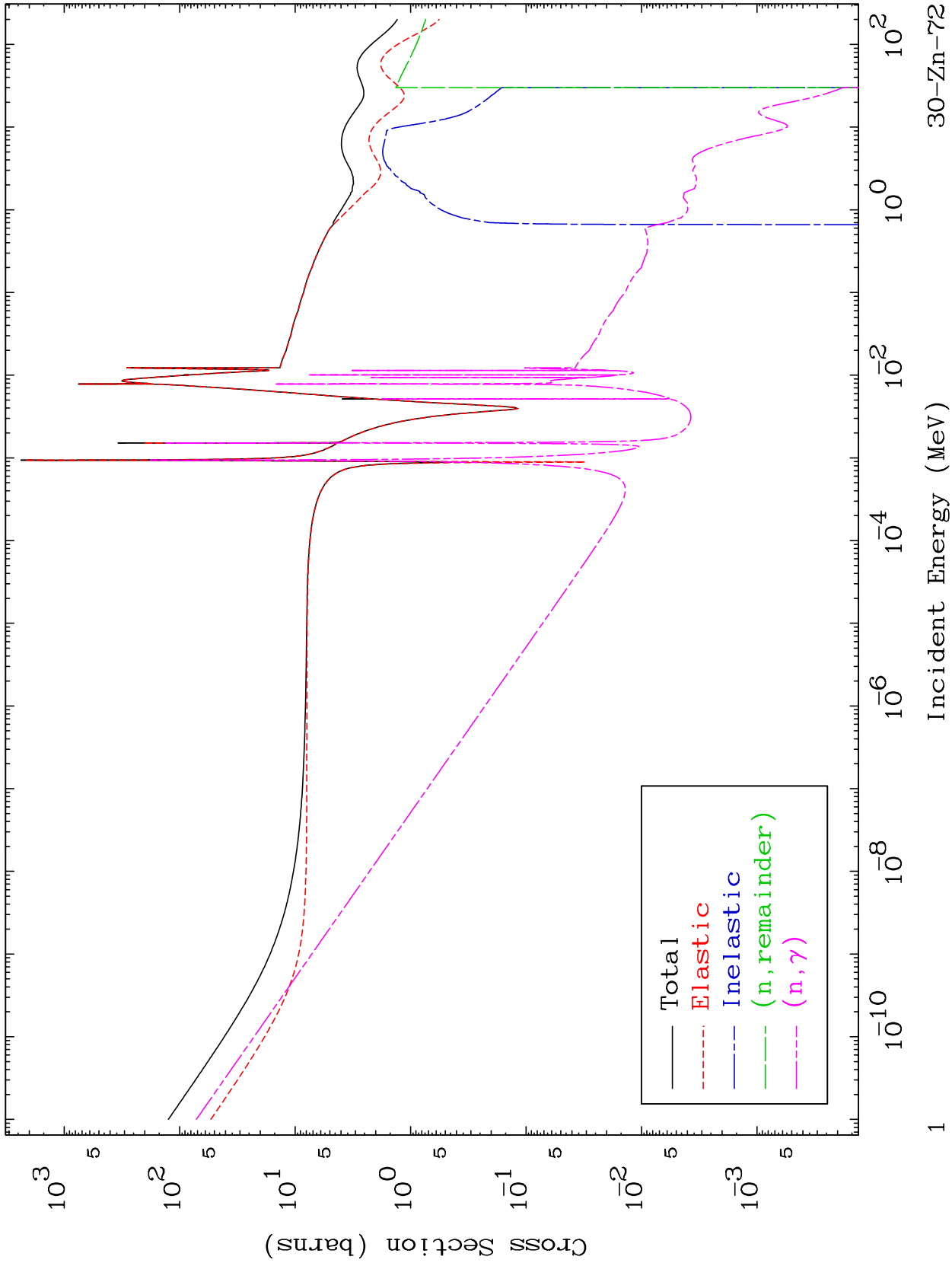
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3049

Major  
293 Kelvin Cross Sections

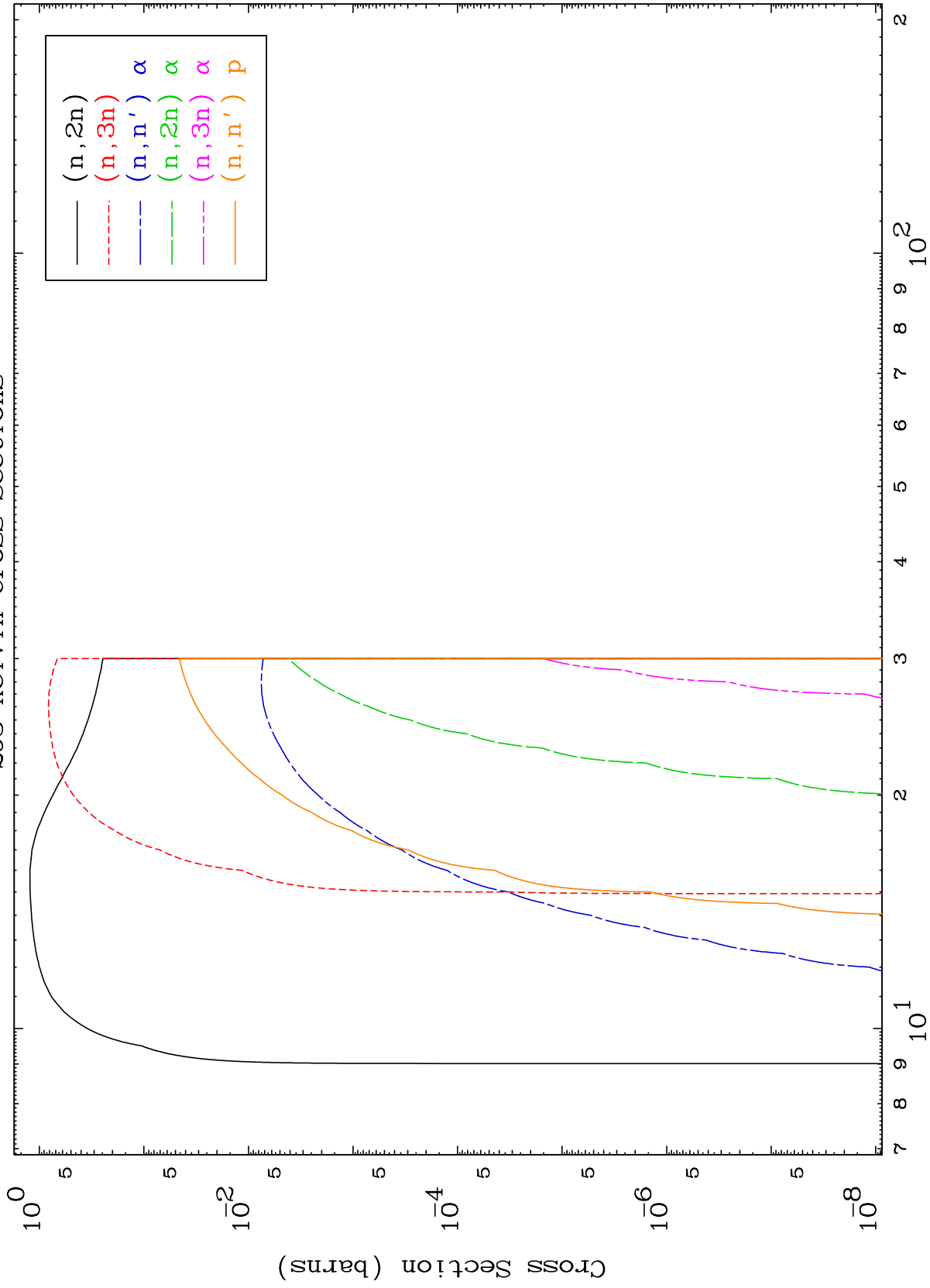
30-Zn-72



MAT 3049

Neutron Production  
293 Kelvin Cross Sections

30-Zn-72



2

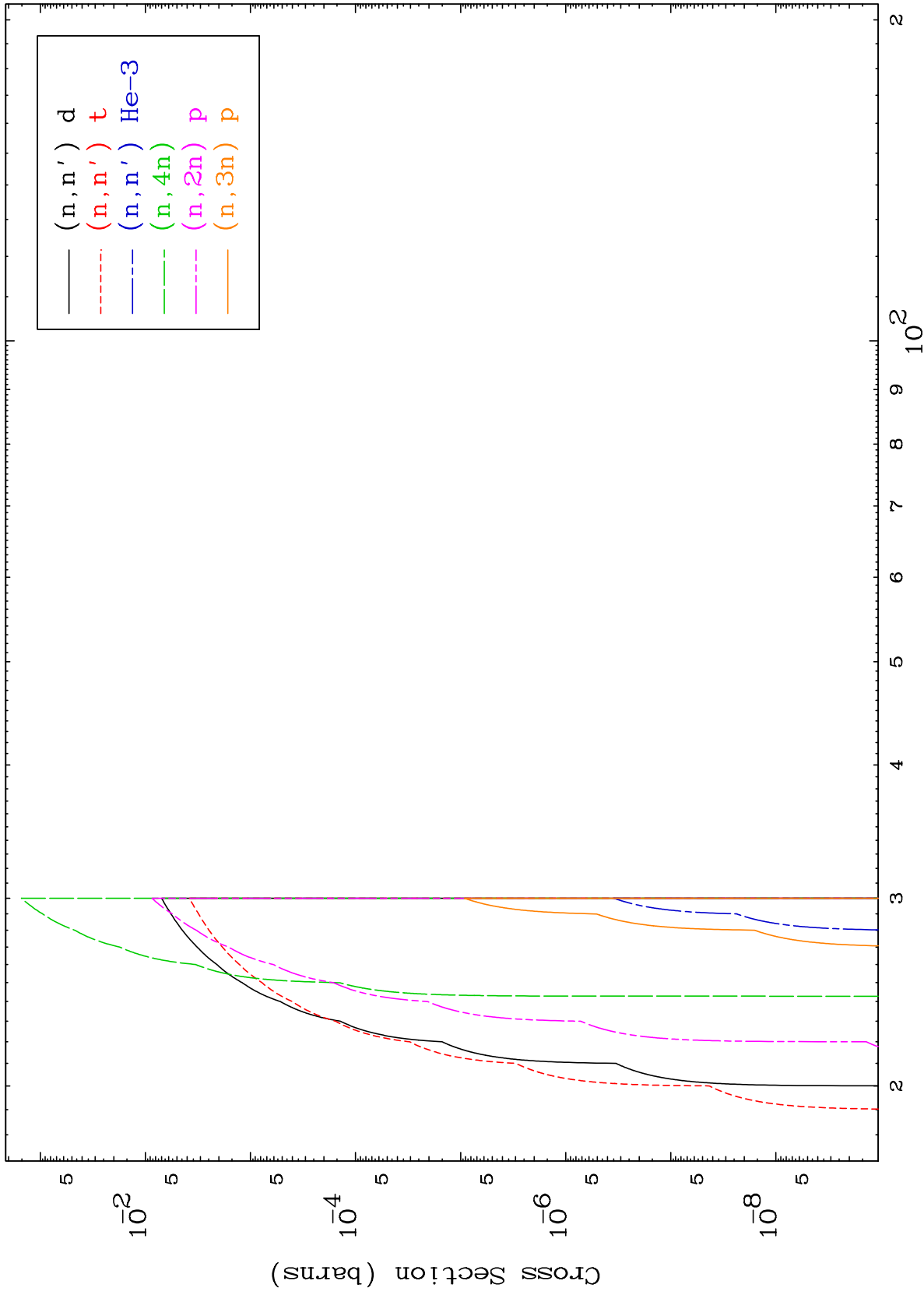
Incident Energy (MeV)

30-Zn-72

MAT 3049

Neutron Production  
293 Kelvin Cross Sections

30-Zn-72



3

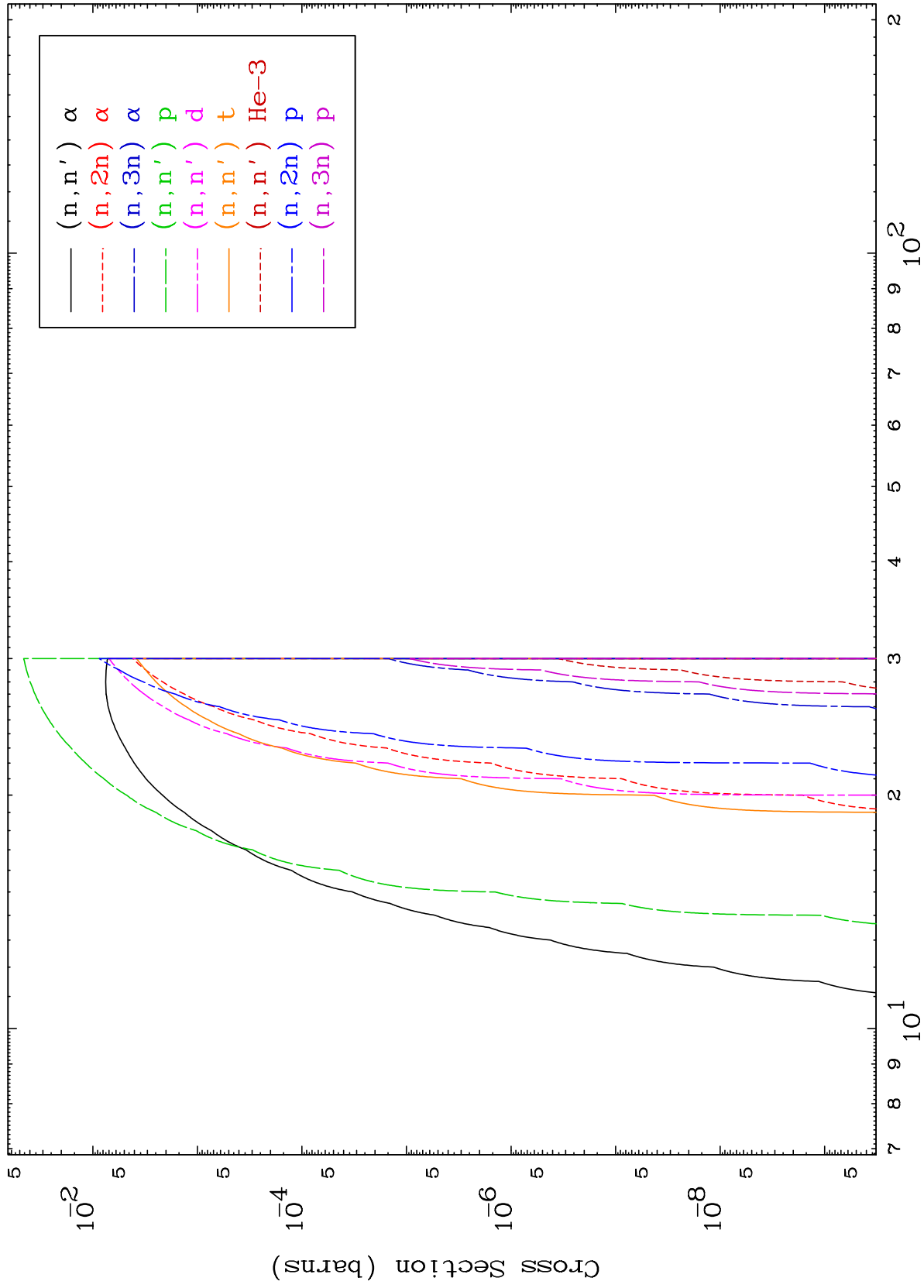
Incident Energy (MeV)

30-Zn-72

MAT 3049

Charged Particle  
293 Kelvin Cross Sections

30-Zn-72



4

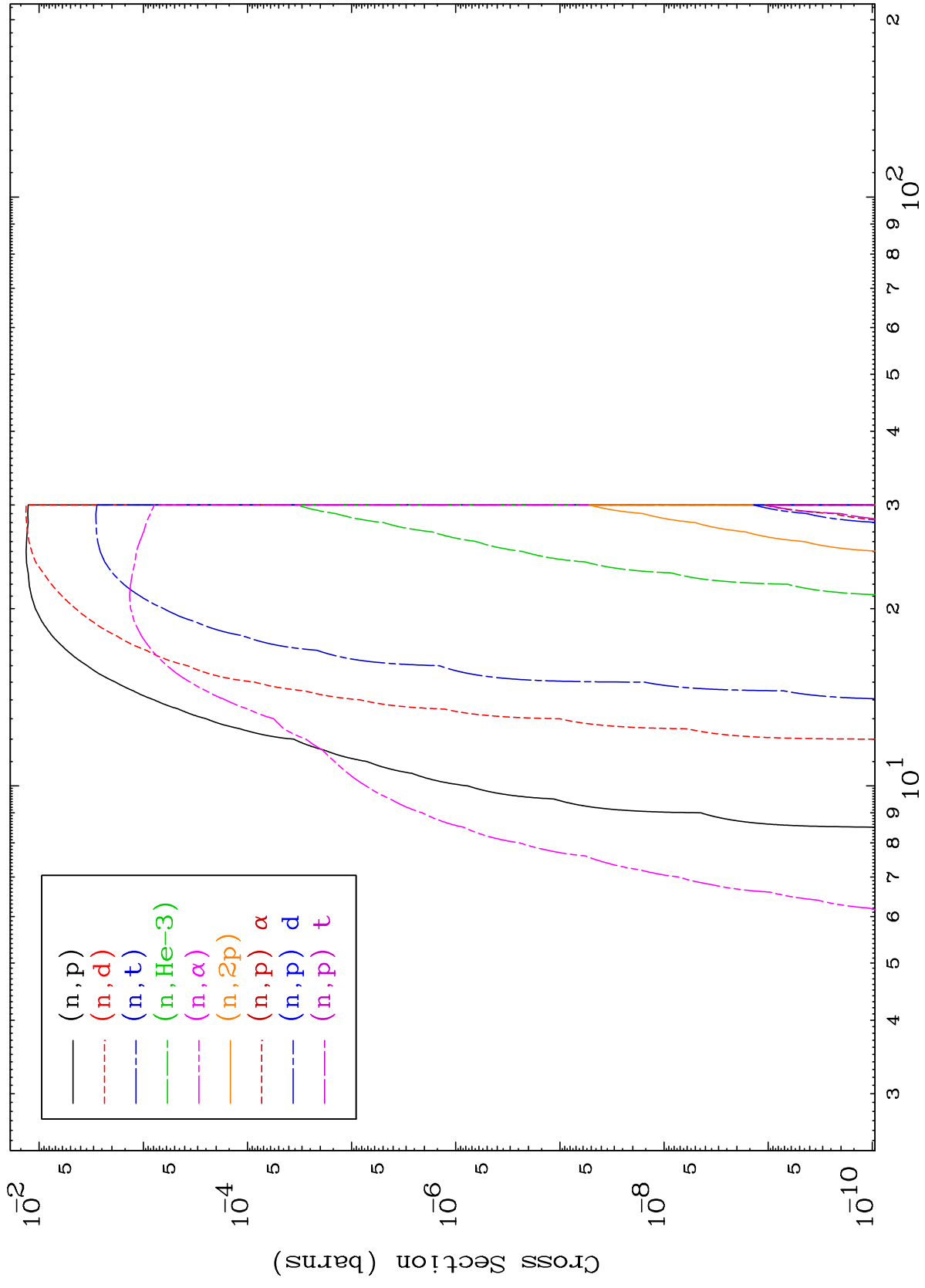
Incident Energy (MeV)

30-Zn-72

MAT 3049

Charged Particle  
293 Kelvin Cross Sections

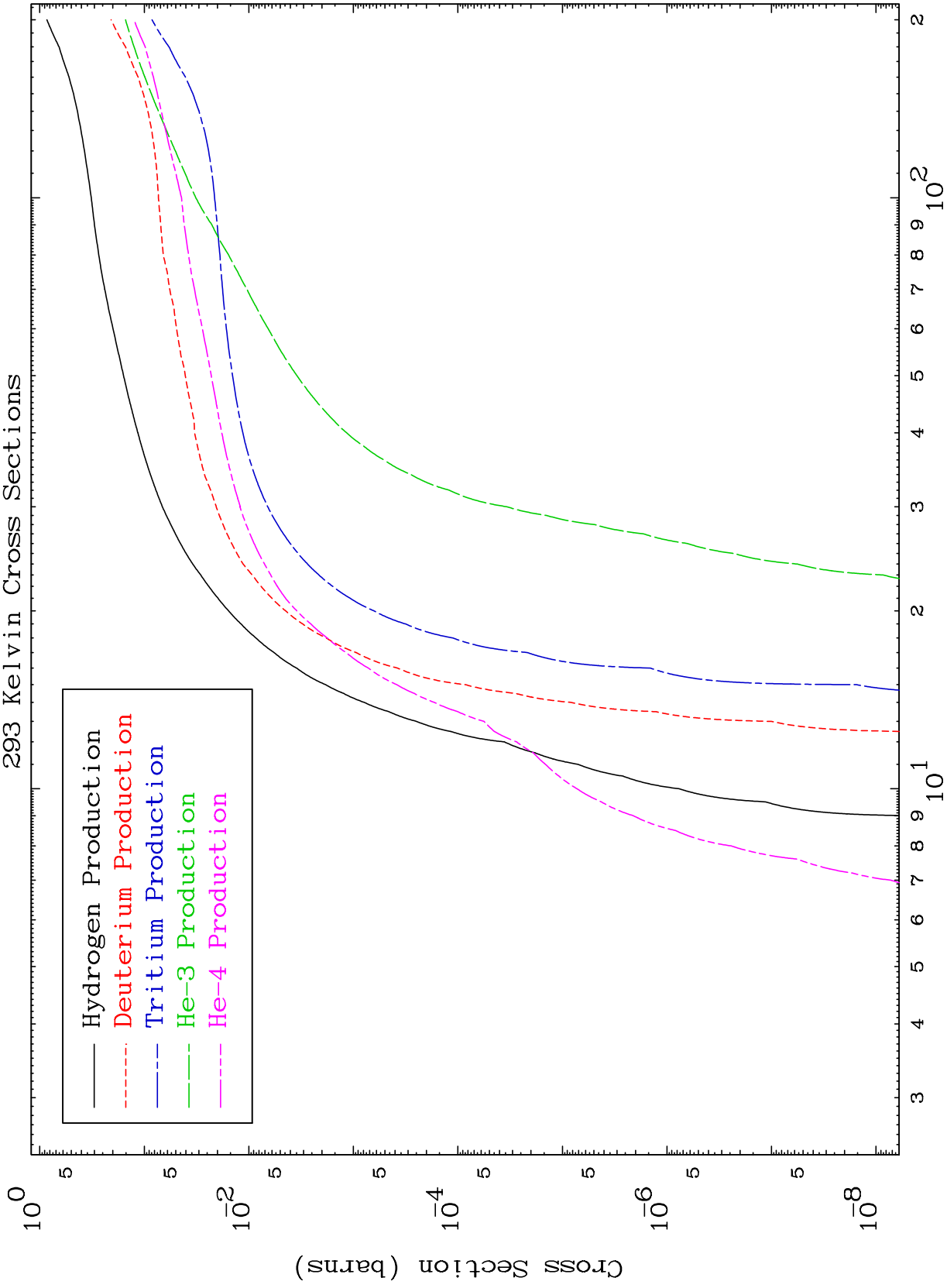
30-Zn-72



MAT 3049

Particle Production  
293 Kelvin Cross Sections

30-Zn-72



6

Incident Energy (MeV)

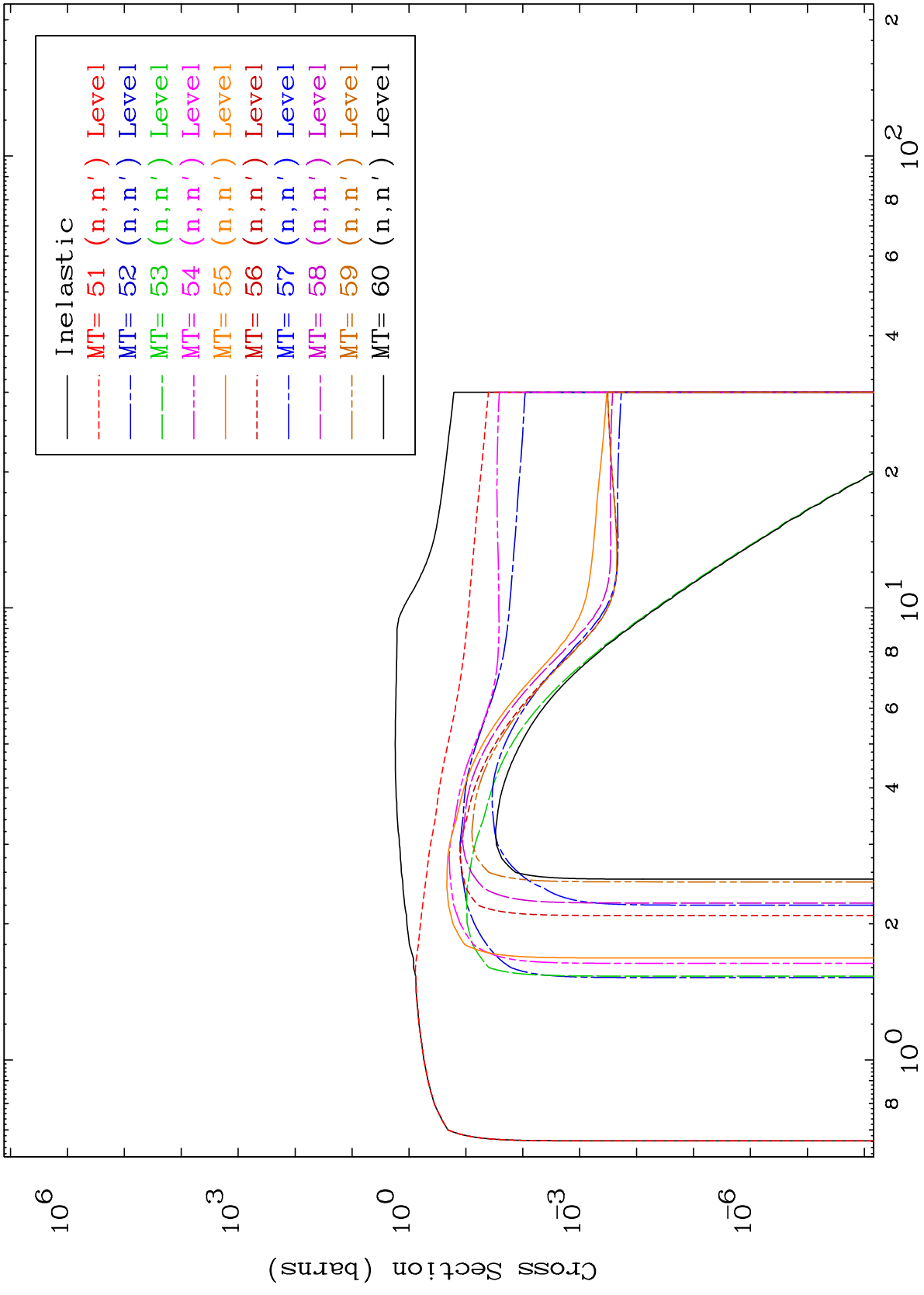
30-Zn-72

MAT 3049

(n,n') Level

30-Zn-72

293 Kelvin Cross Sections



7

Incident Energy (MeV)

30-Zn-72

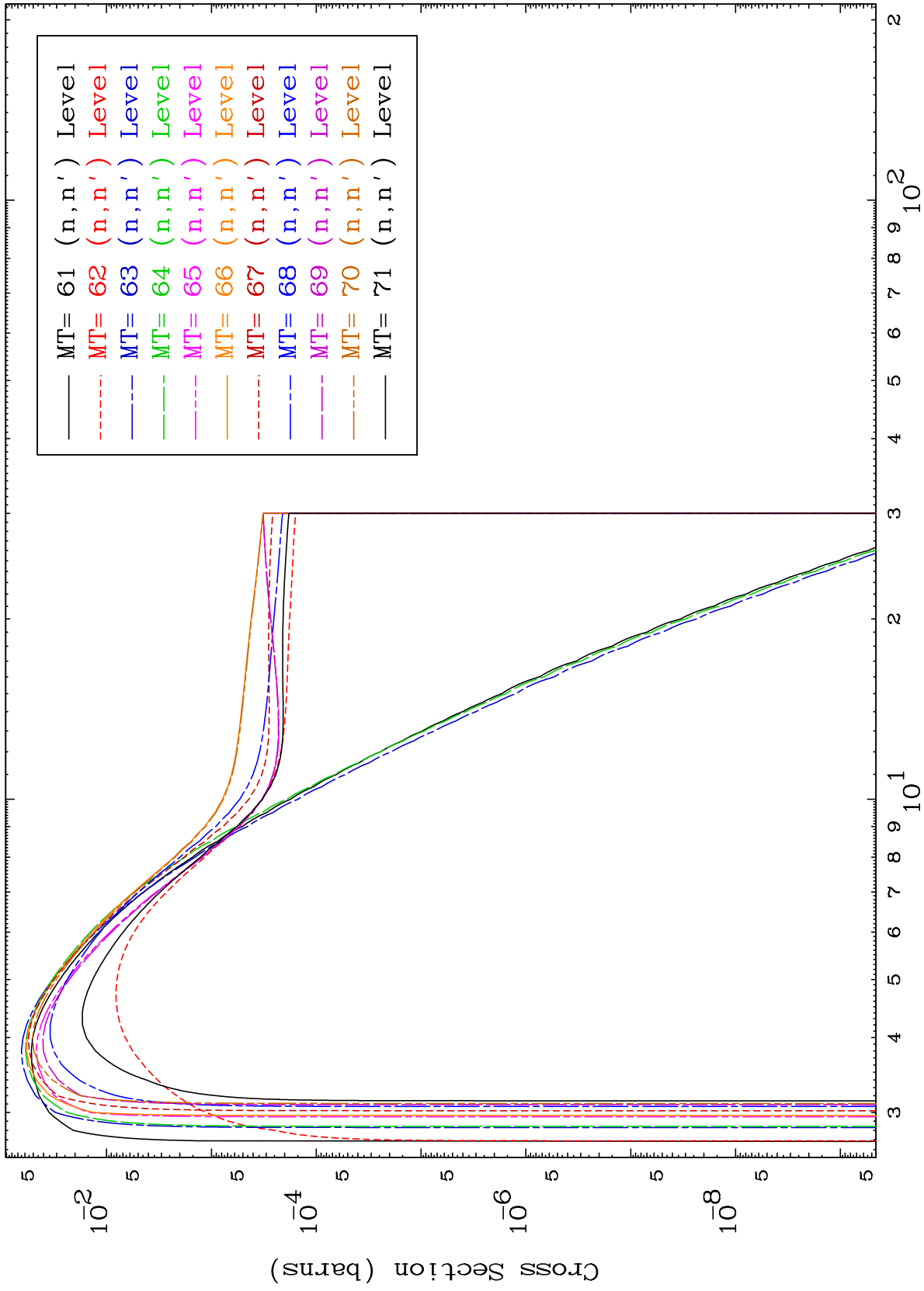


MAT 3049

(n,n') Level

30-Zn-72

293 Kelvin Cross Sections



8

Incident Energy (MeV)

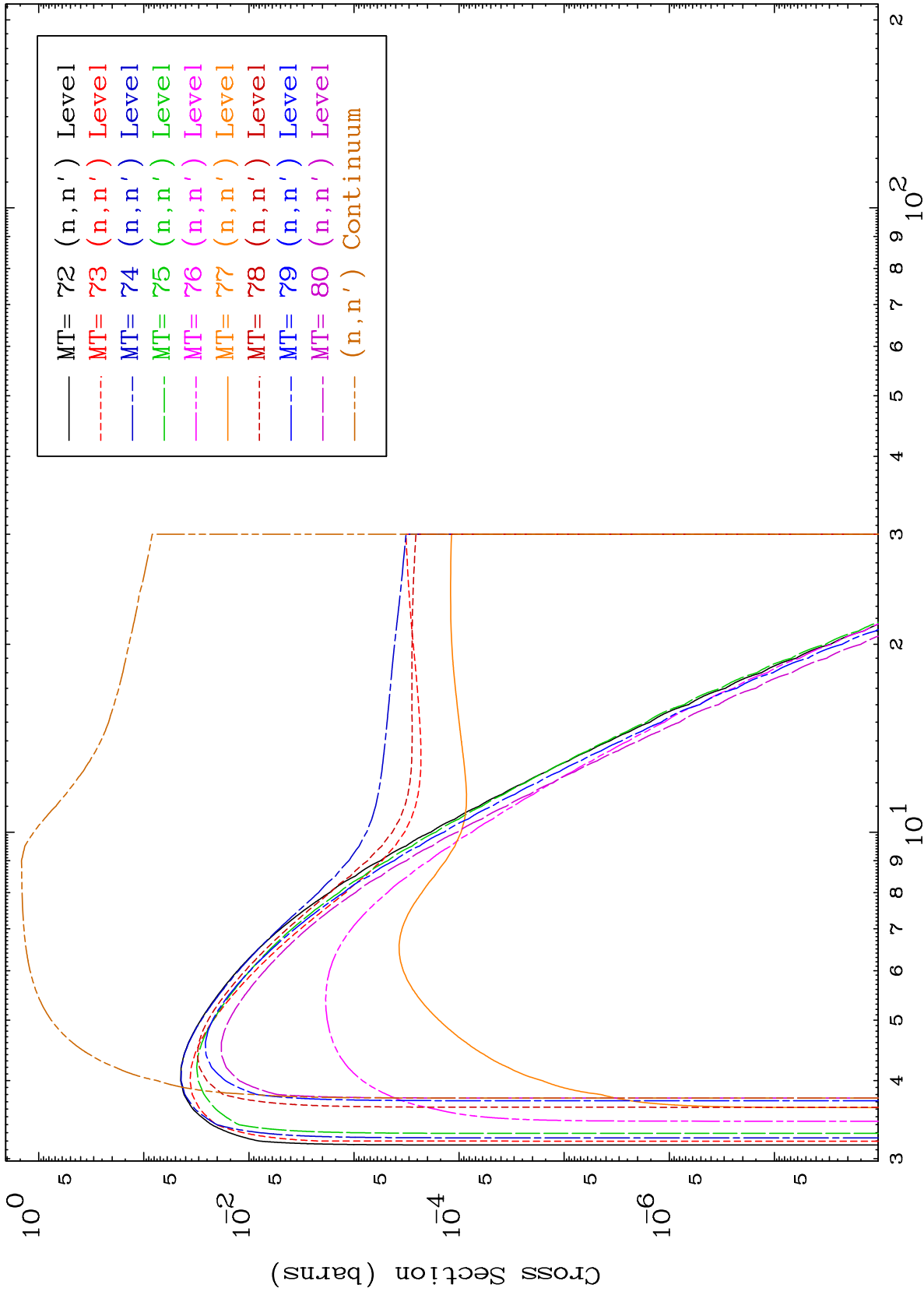
30-Zn-72

MAT 3049

(n,n') Level

30-Zn-72

293 Kelvin Cross Sections



9

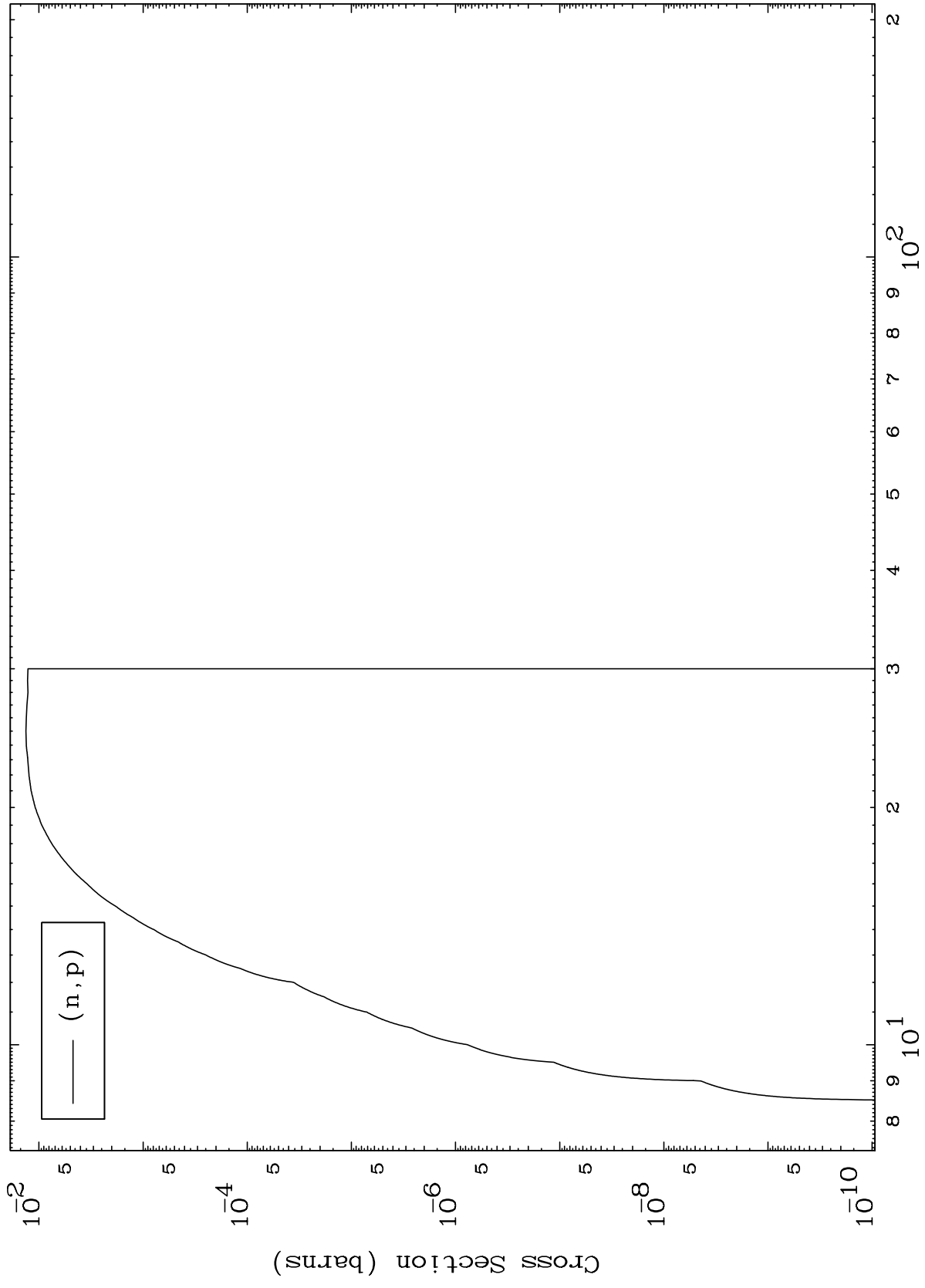
Incident Energy (MeV)

30-Zn-72

MAT 3049

(n,p) Levels  
293 Kelvin Cross Sections

30-Zn-72



10

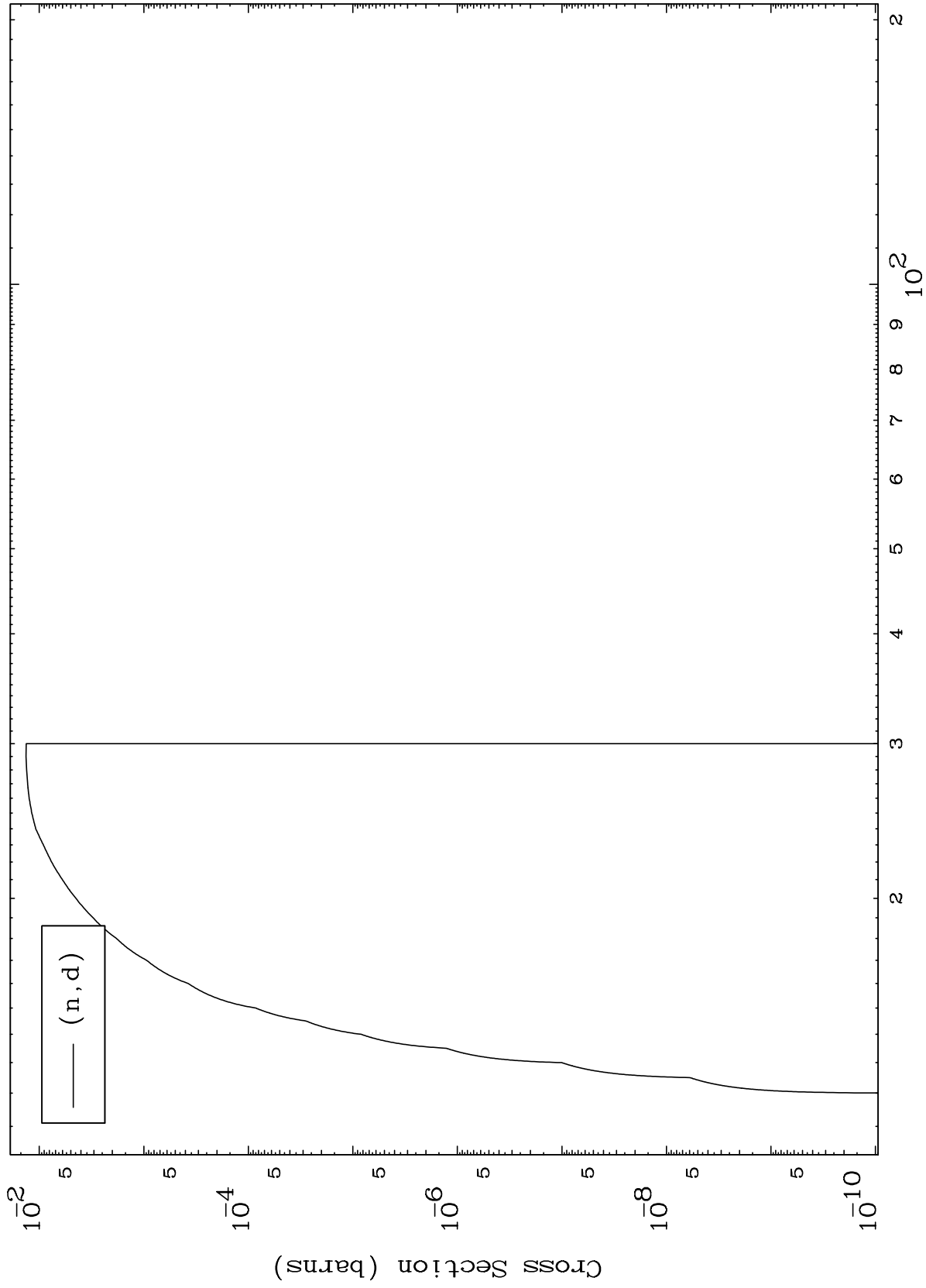
Incident Energy (MeV)

30-Zn-72

MAT 3049

(n,d) Levels  
293 Kelvin Cross Sections

30-Zn-72



11

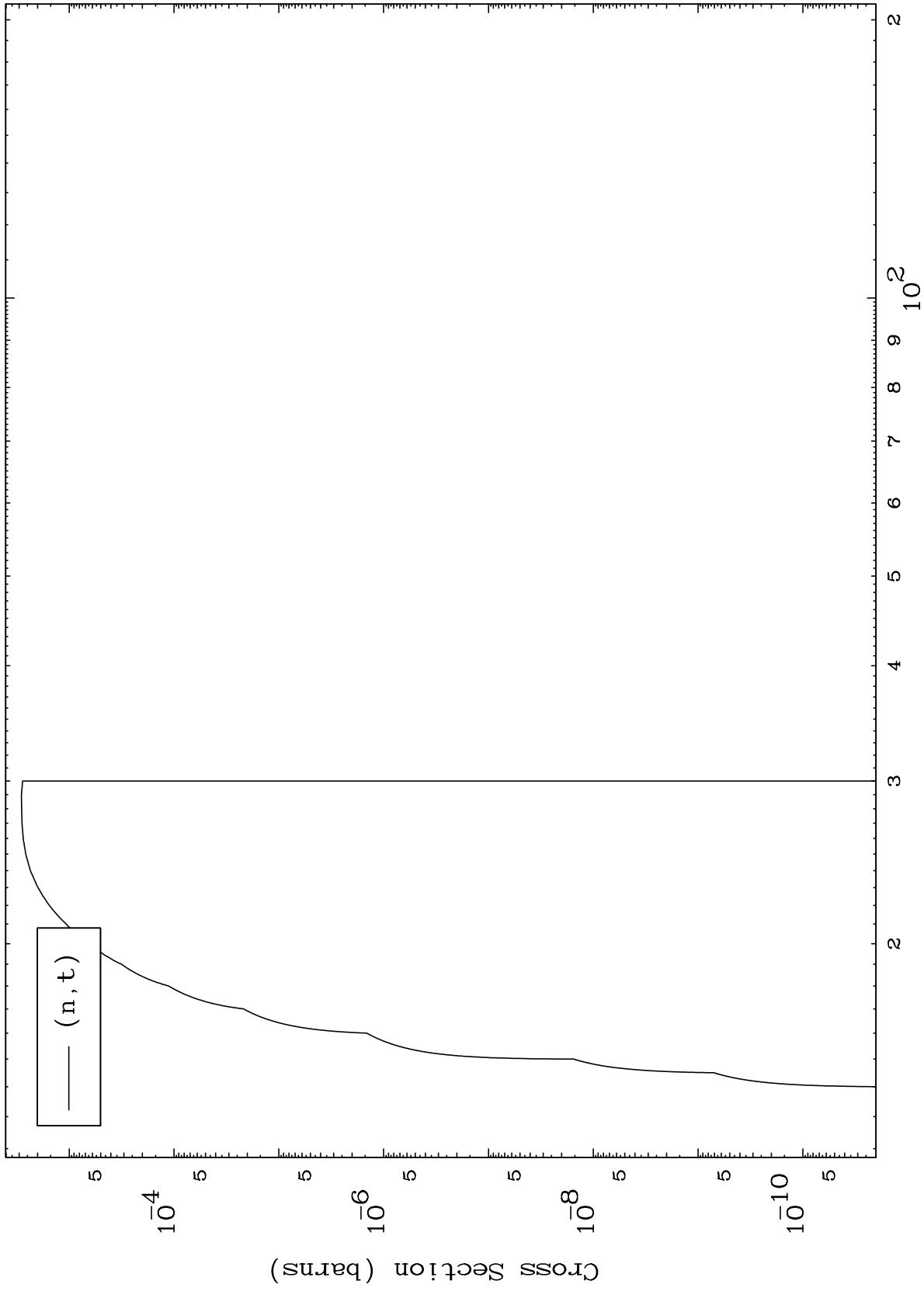
Incident Energy (MeV)

30-Zn-72

MAT 3049

(n,t) Levels  
293 Kelvin Cross Sections

30-Zn-72



12

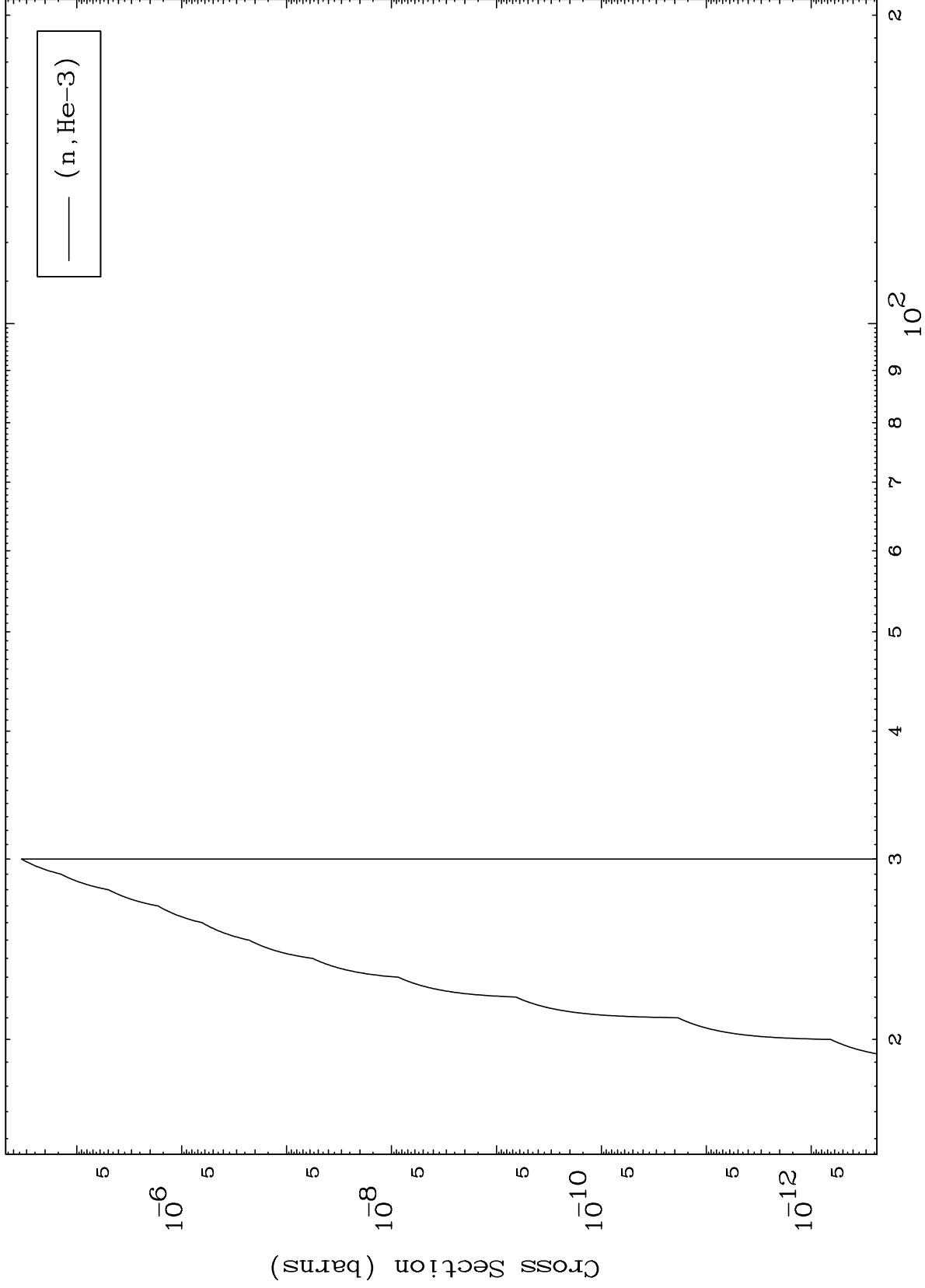
Incident Energy (MeV)

30-Zn-72

MAT 3049

(n,He3) Levels  
293 Kelvin Cross Sections

30-Zn-72



13

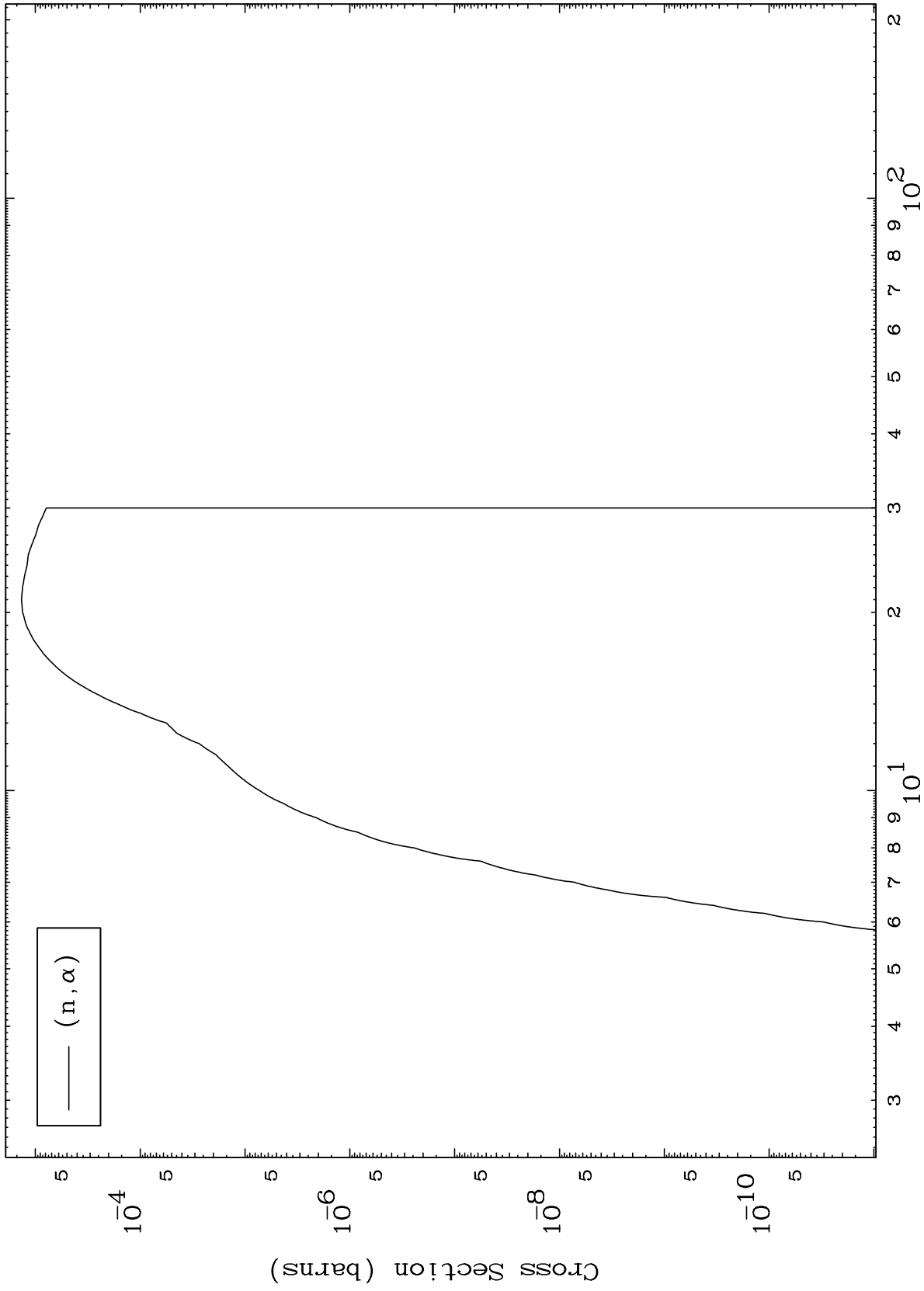
30-Zn-72

30-Zn-72

MAT 3049

(n,α) Levels  
293 Kelvin Cross Sections

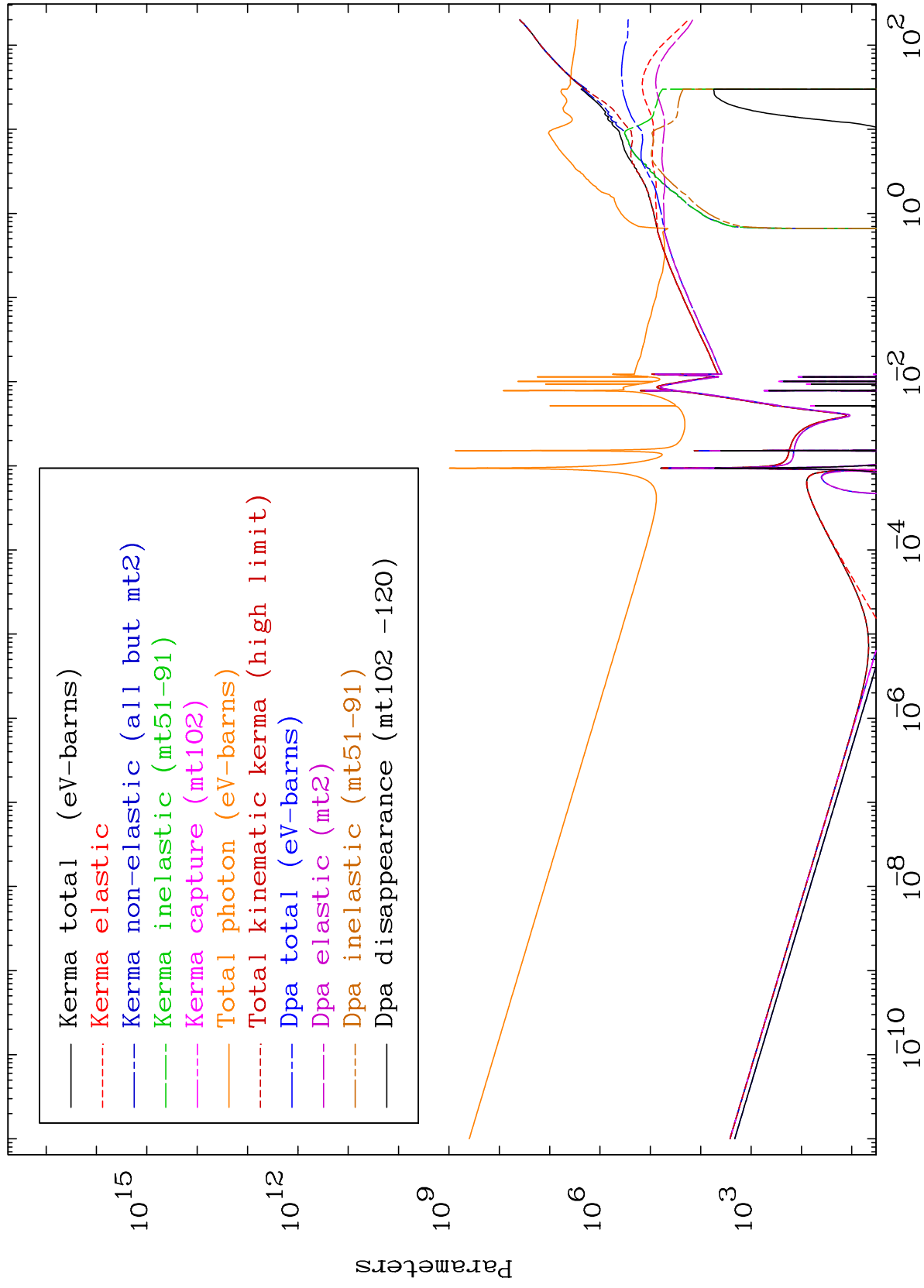
30-Zn-72



14

Incident Energy (MeV)

30-Zn-72





MAT 3049

Elastic Legendre Coefficients

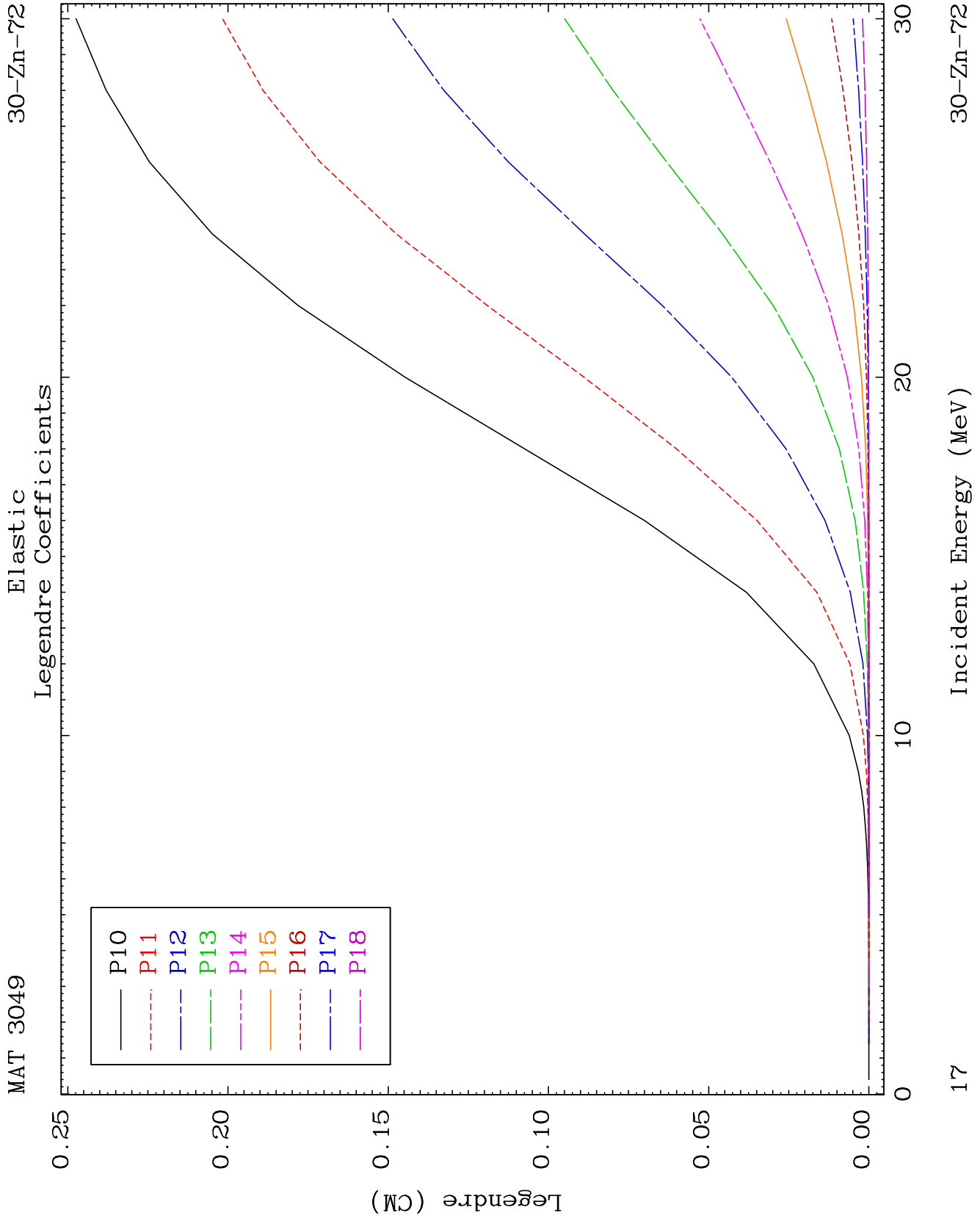
30-Zn-72



16

Incident Energy (MeV)

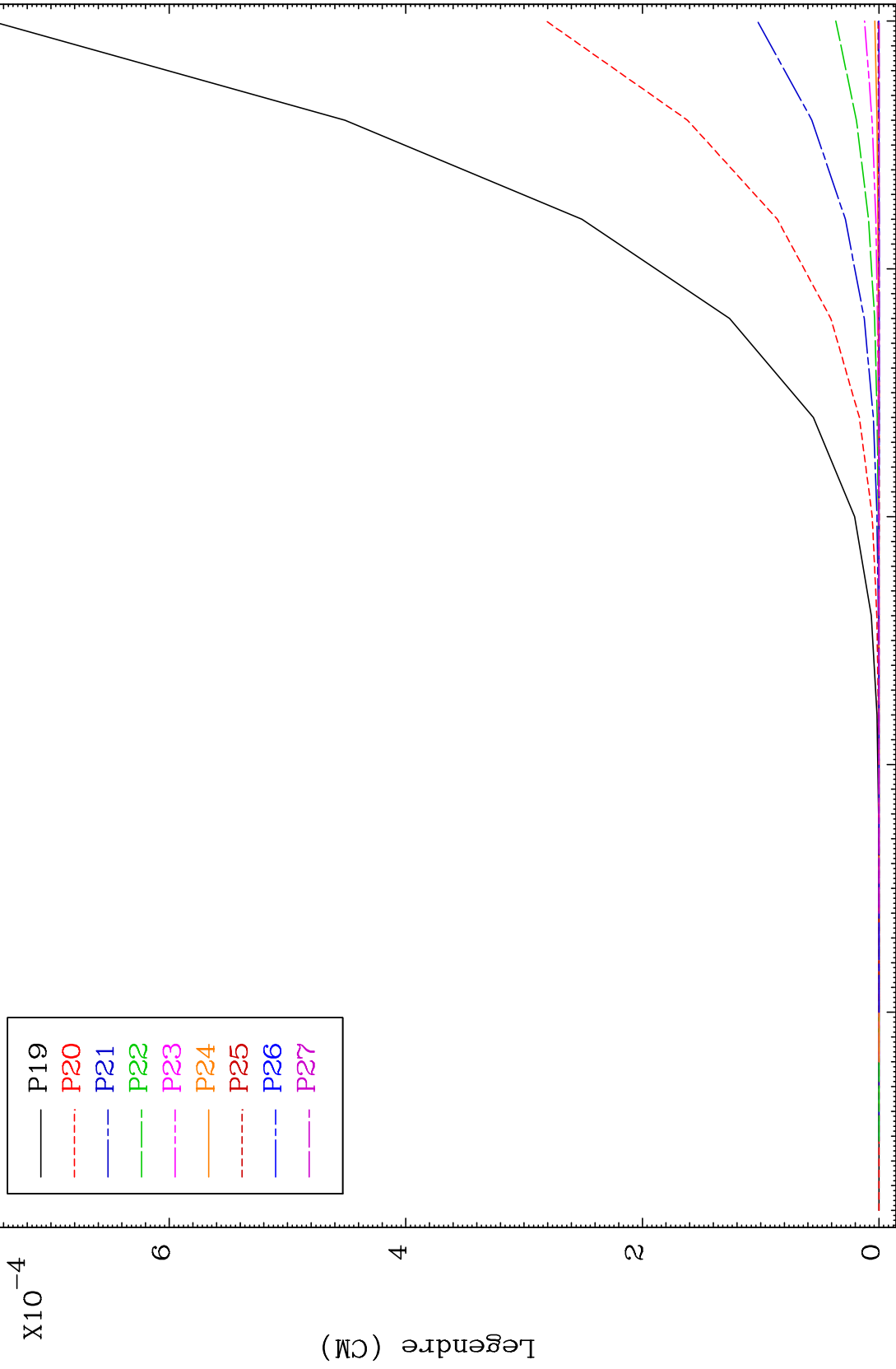
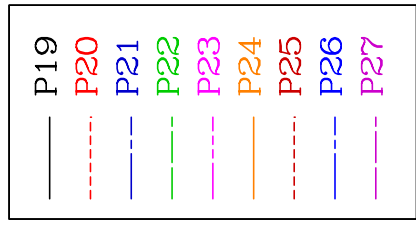
30-Zn-72



MAT 3049

Elastic Legendre Coefficients

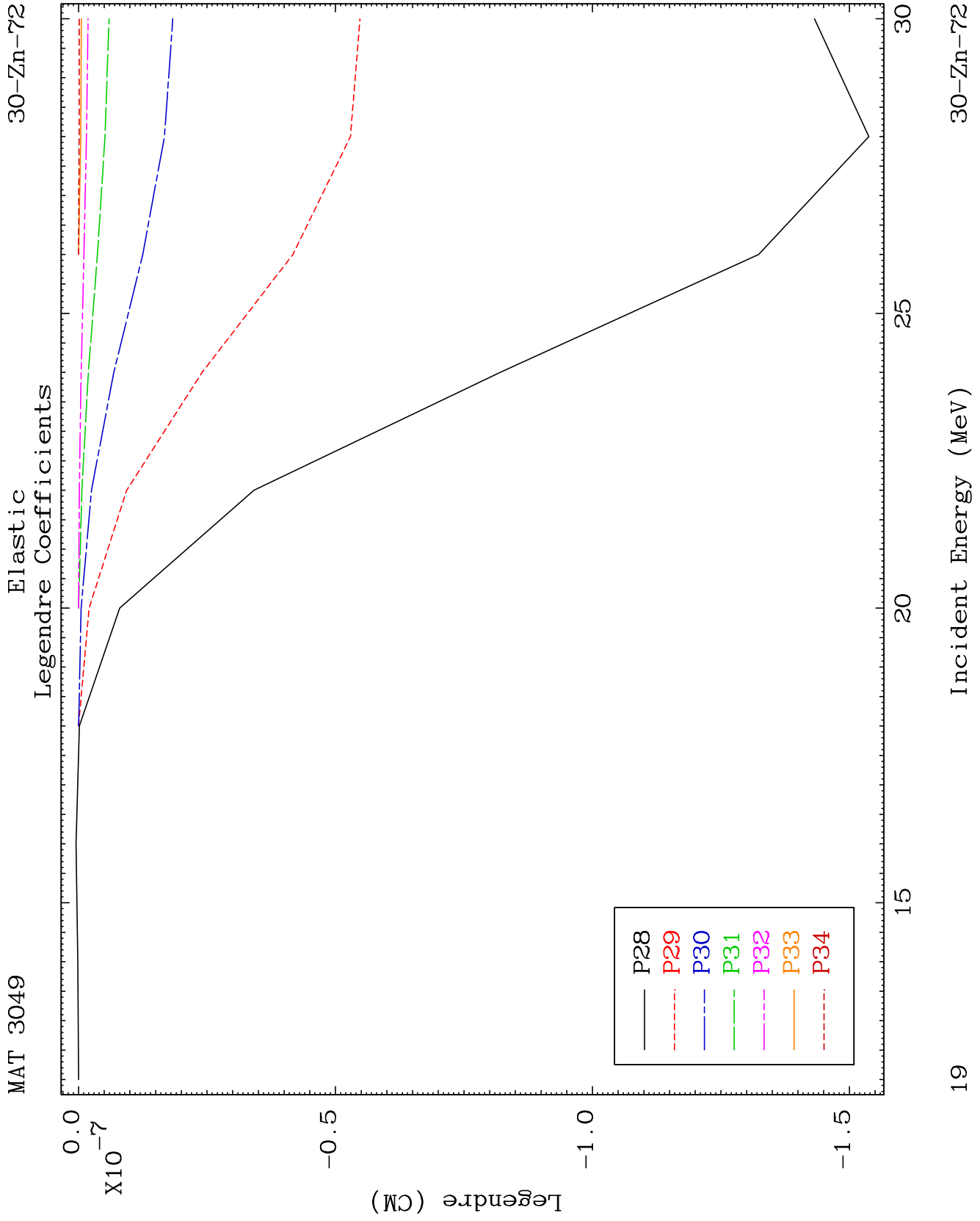
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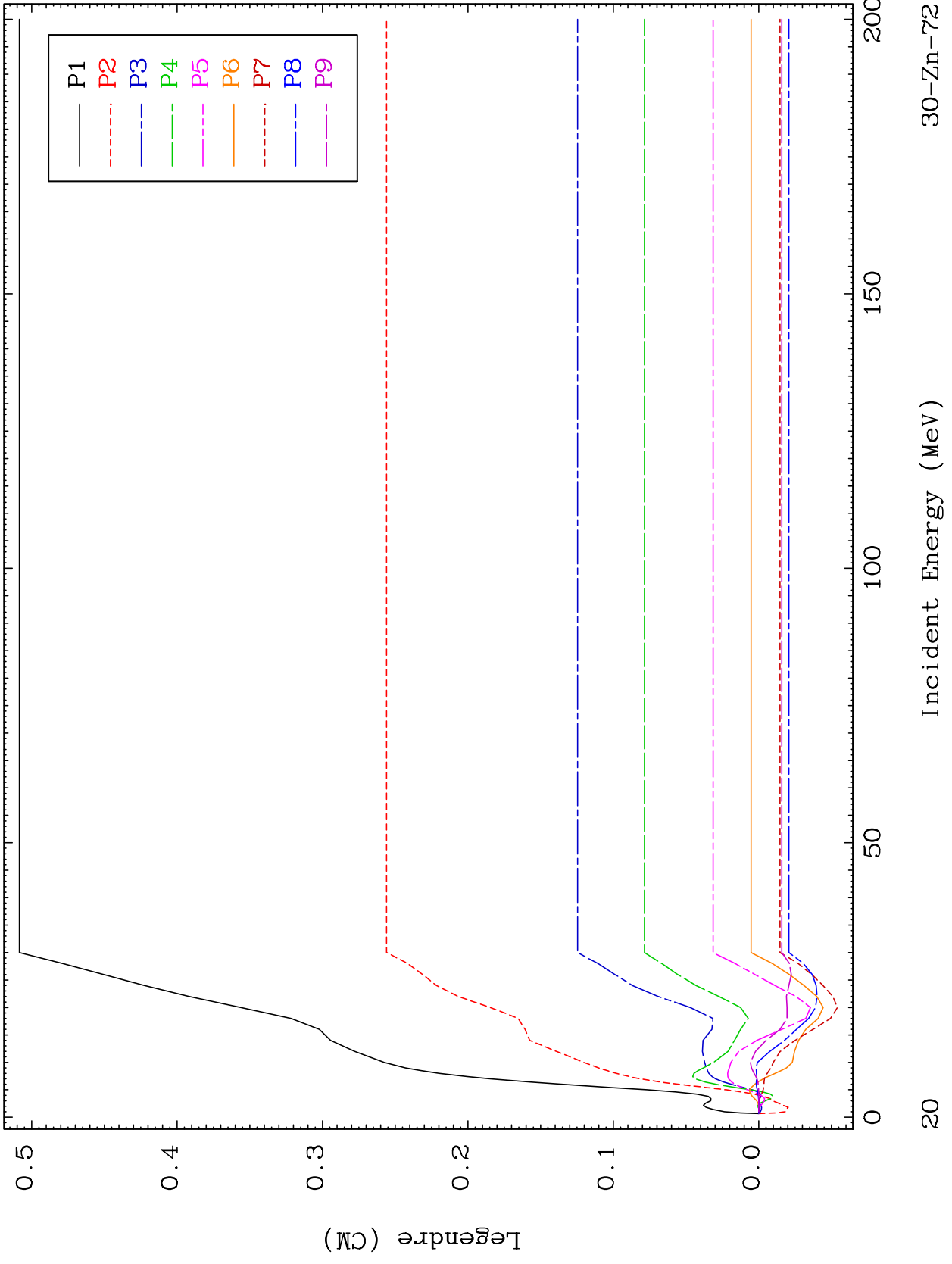
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Incident Energy (MeV)

30-Zn-72



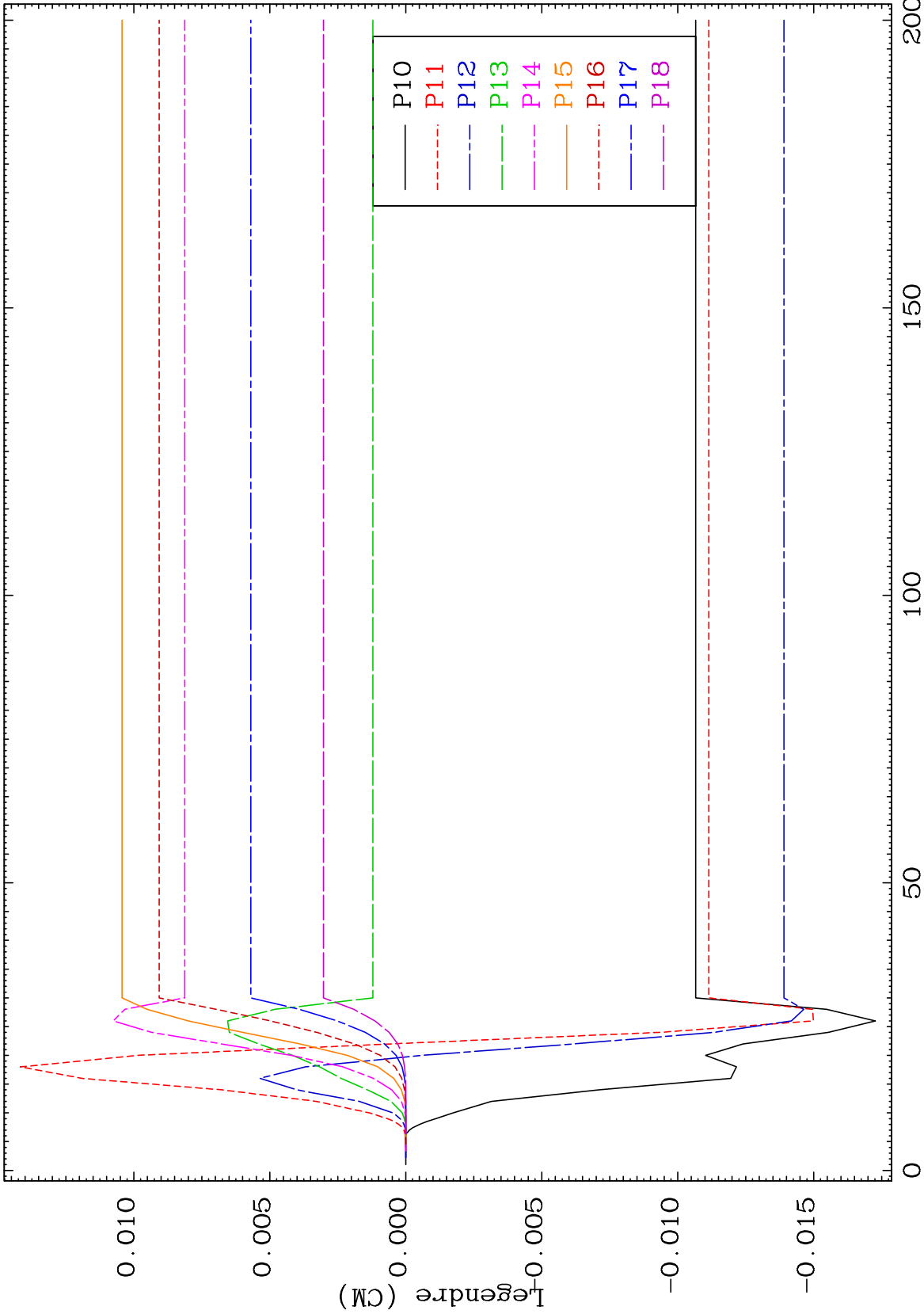
MAT 3049 MT= 51 (n,n') Level Legendre Coefficients 30-Zn-72



MAT 3049

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

30-Zn-72

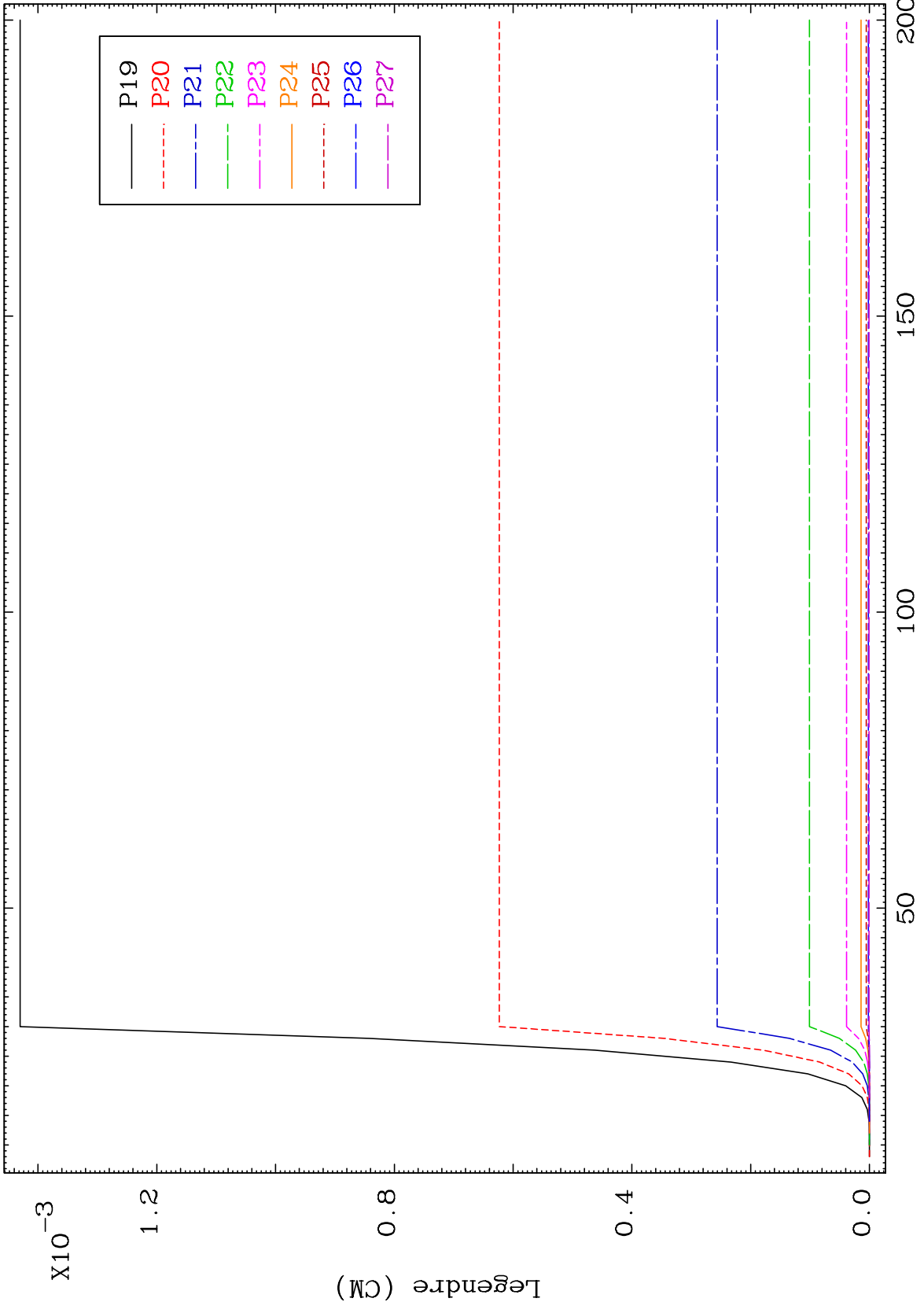


21

Incident Energy (MeV)

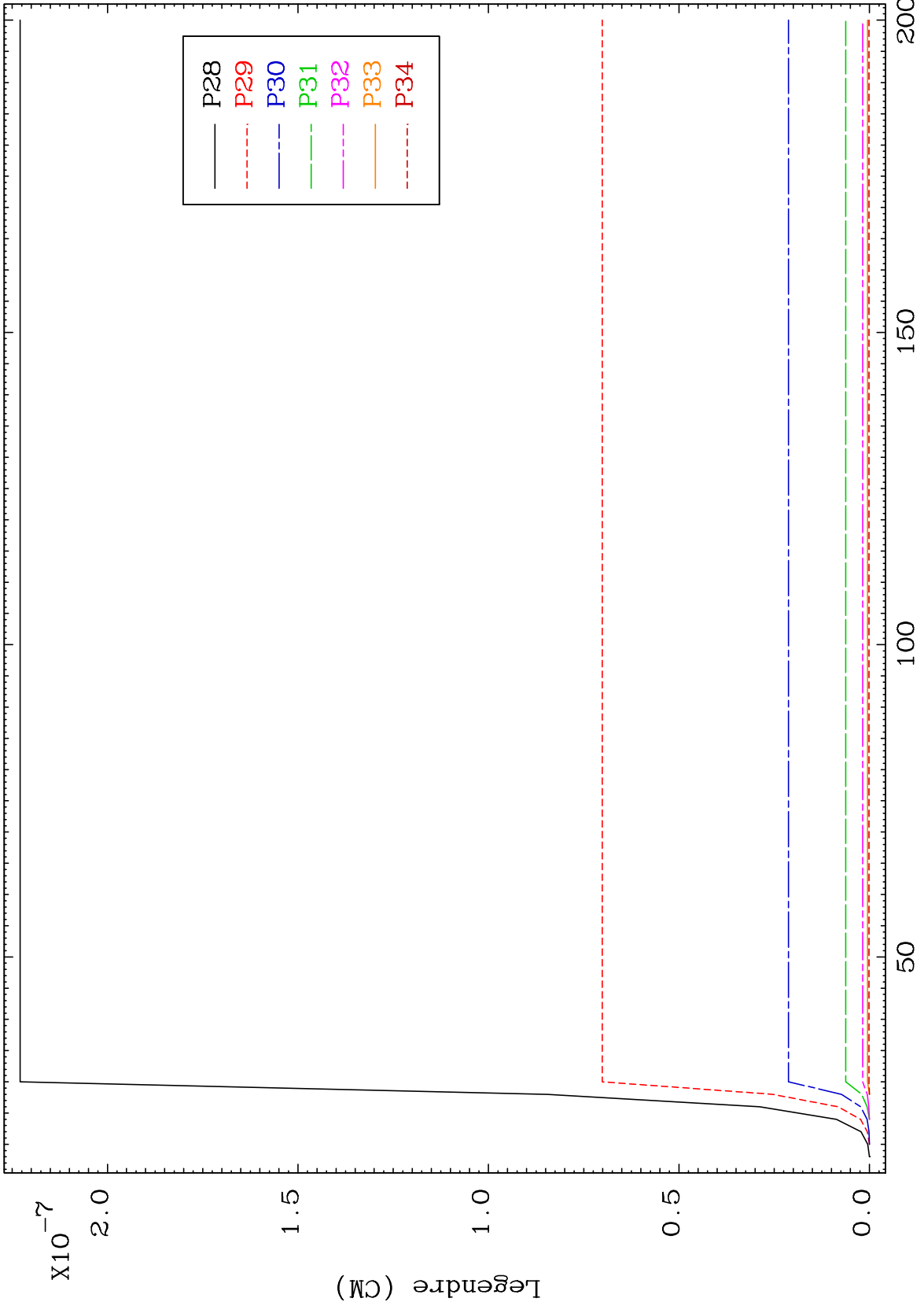
30-Zn-72

MAT 3049 MT= 51 (n,n') Level Legendre Coefficients 30-Zn-72



22 Incident Energy (MeV) 30-Zn-72

MAT 3049 MT= 51 (n,n') Level Legendre Coefficients 30-Zn-72



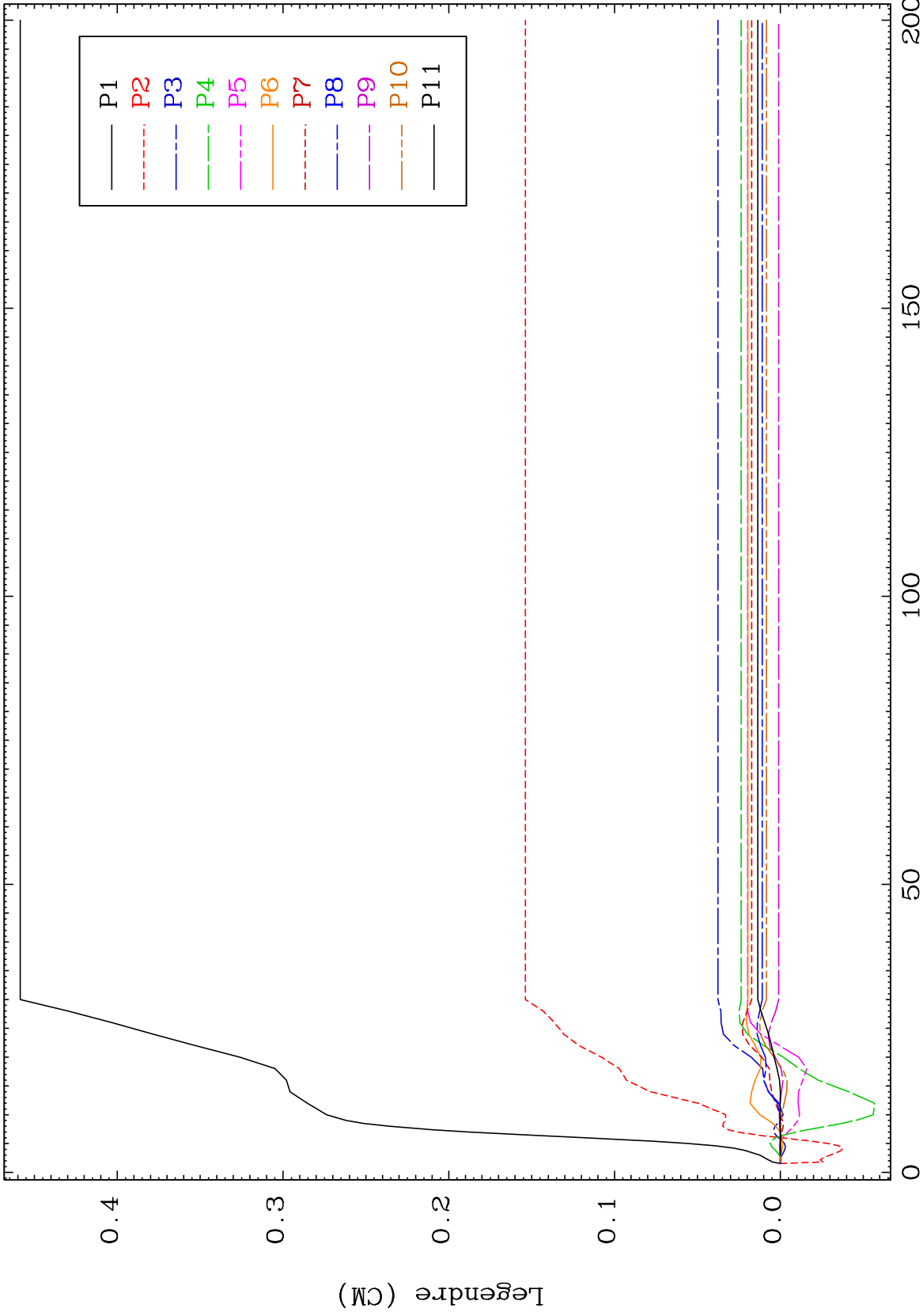
23 30-Zn-72



MAT 3049

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

30-Zn-72



24

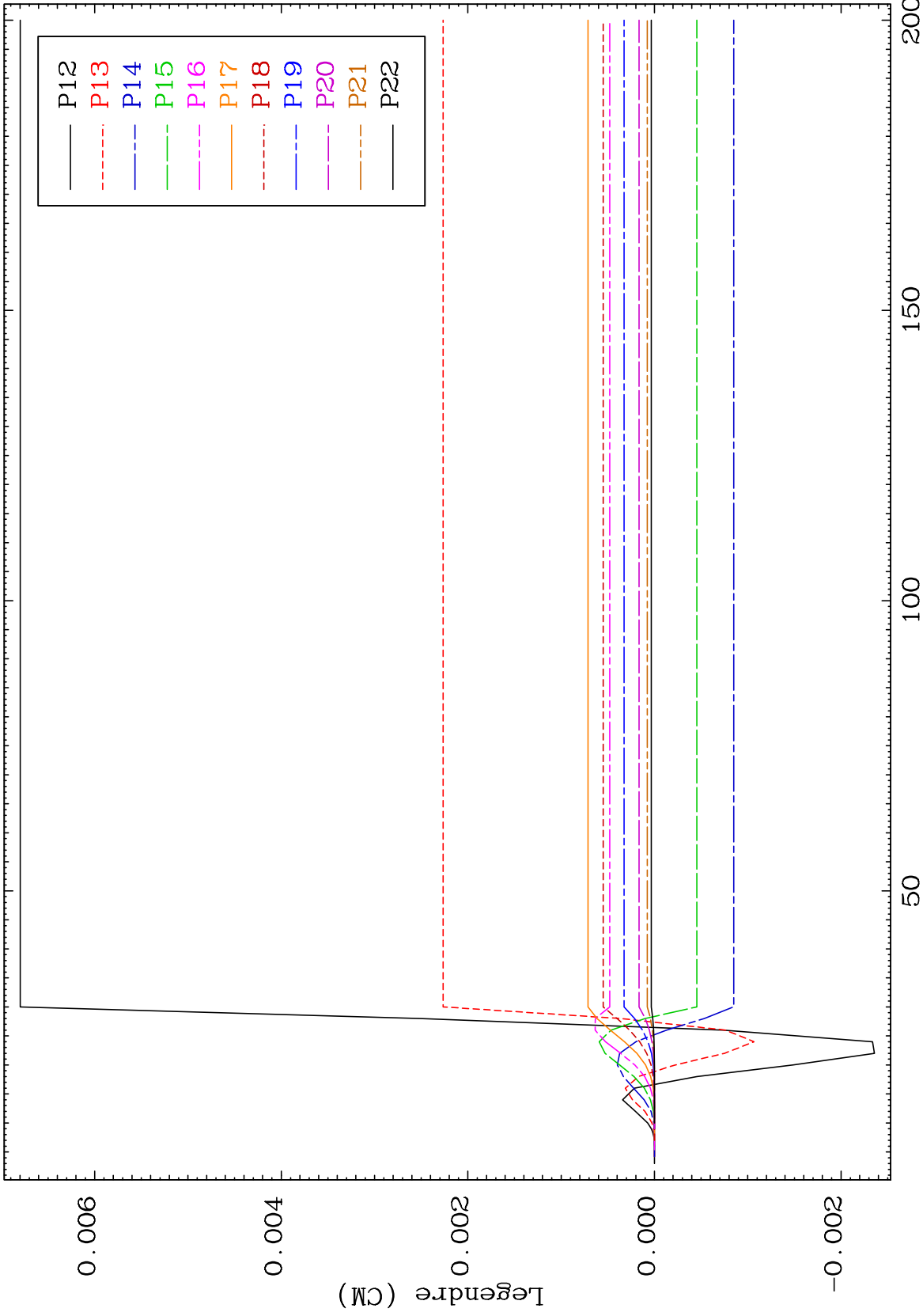
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

30-Zn-72



25

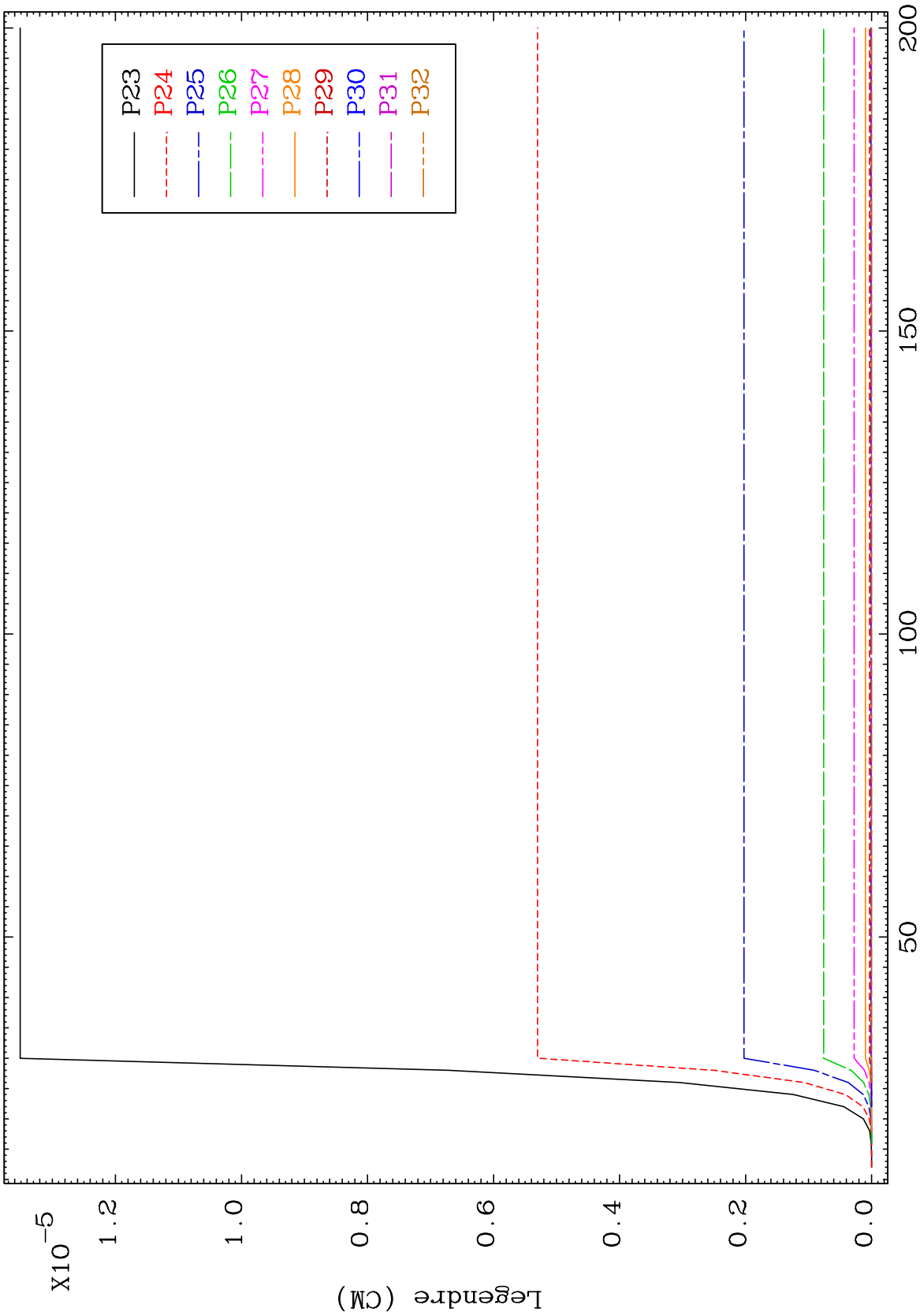
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

30-Zn-72

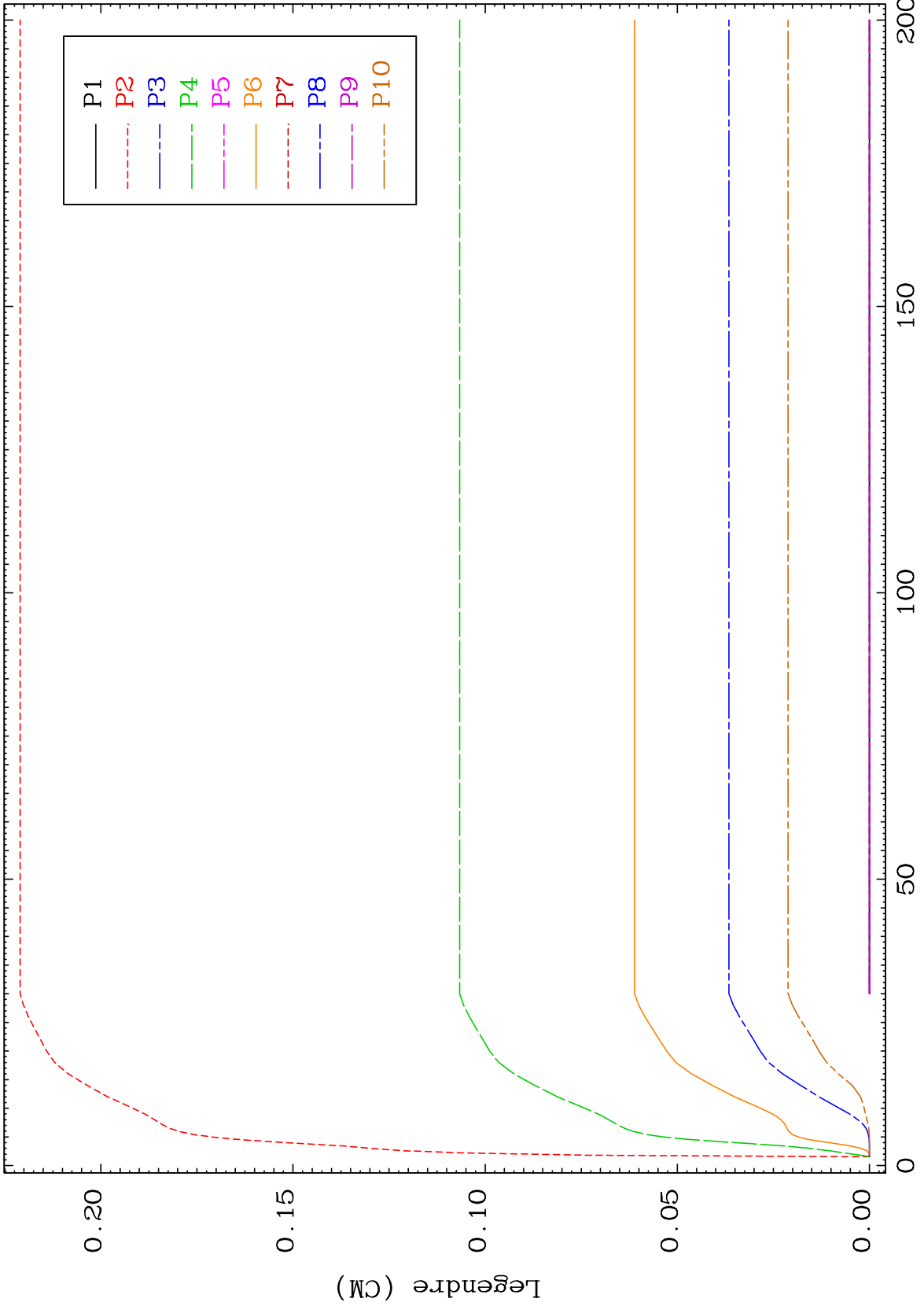


26

Incident Energy (MeV)

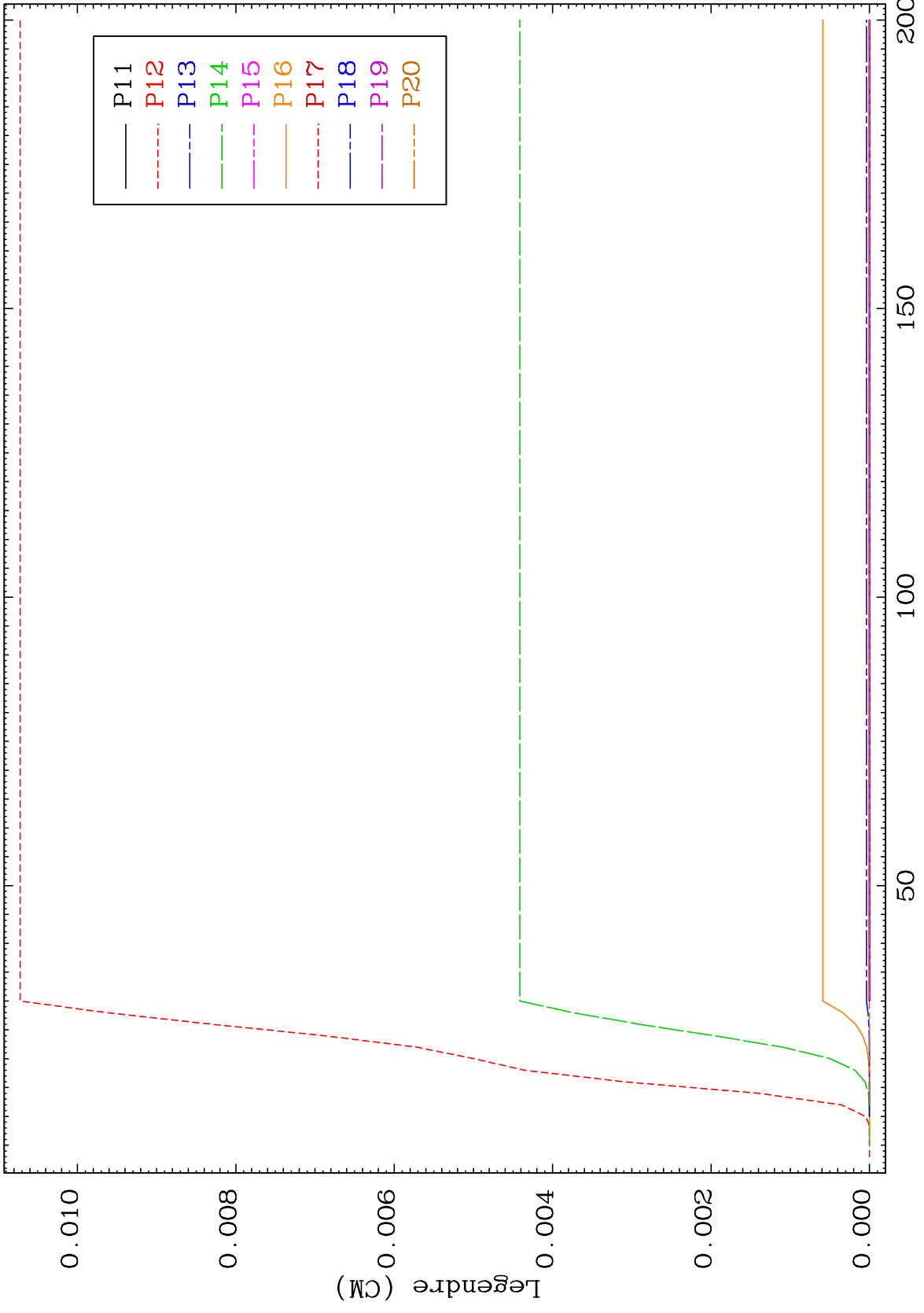
30-Zn-72

MAT 3049 MT= 53 (n,n') Level Legendre Coefficients 30-Zn-72

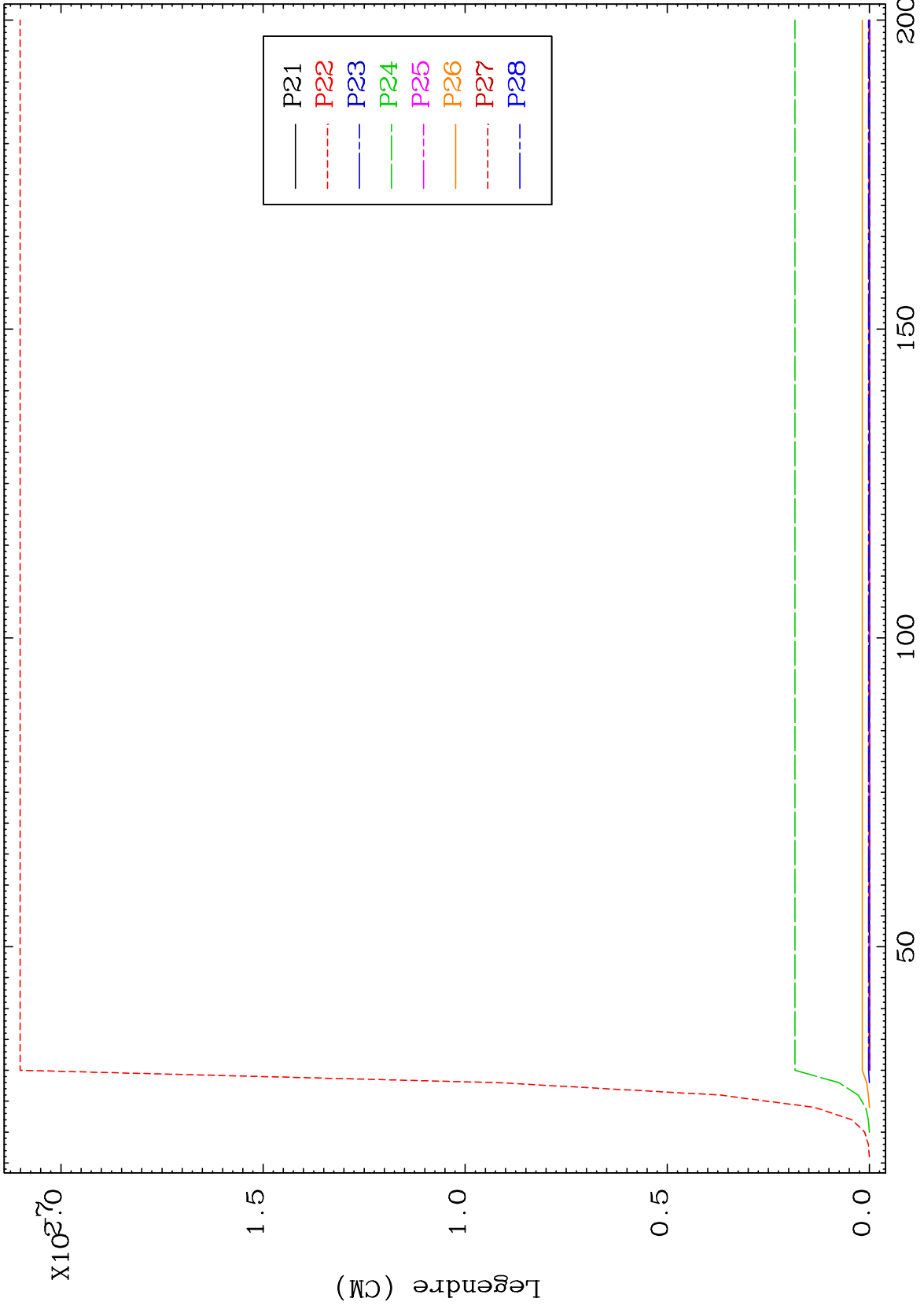


27 Incident Energy (MeV) 30-Zn-72

MAT 3049 MT= 53 (n,n') Level Legendre Coefficients 30-Zn-72

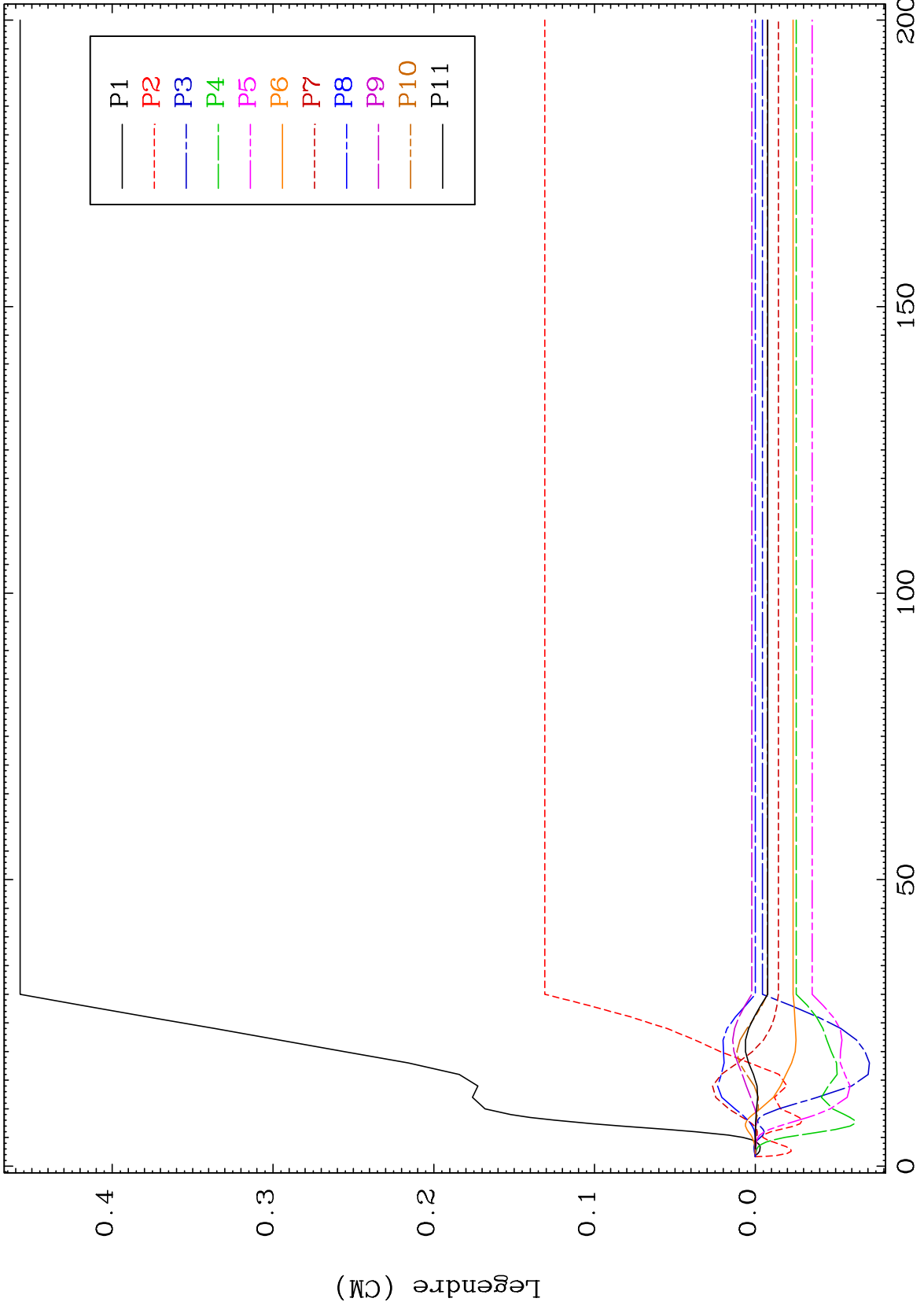


MAT 3049 MT= 53 (n,n') Level Legendre Coefficients 30-Zn-72



29 50 100 150 200 30-Zn-72

MAT 3049 MT= 54 (n,n') Level Legendre Coefficients 30-Zn-72

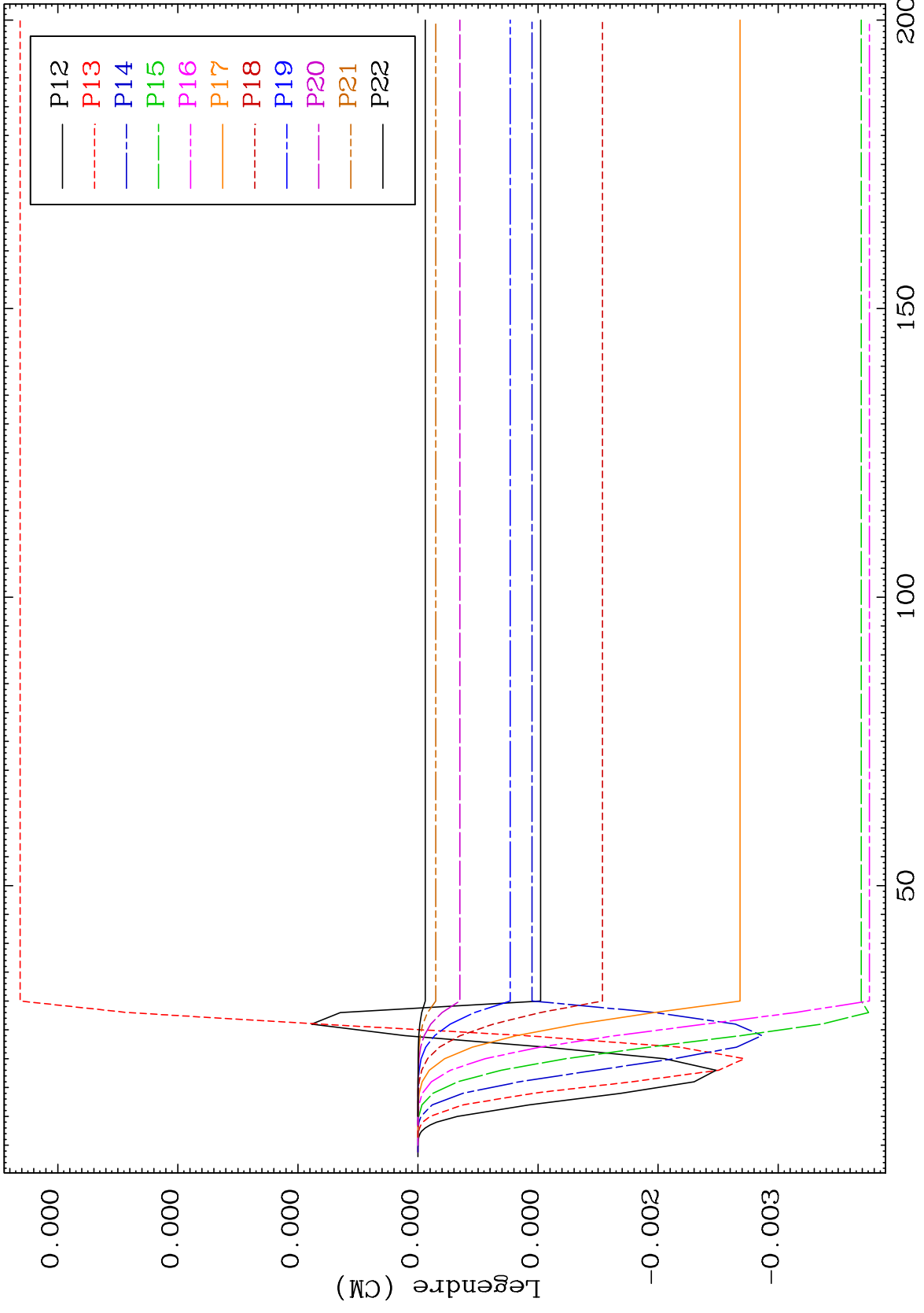


30-Zn-72

MAT 3049

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

30-Zn-72



31

Incident Energy (MeV)

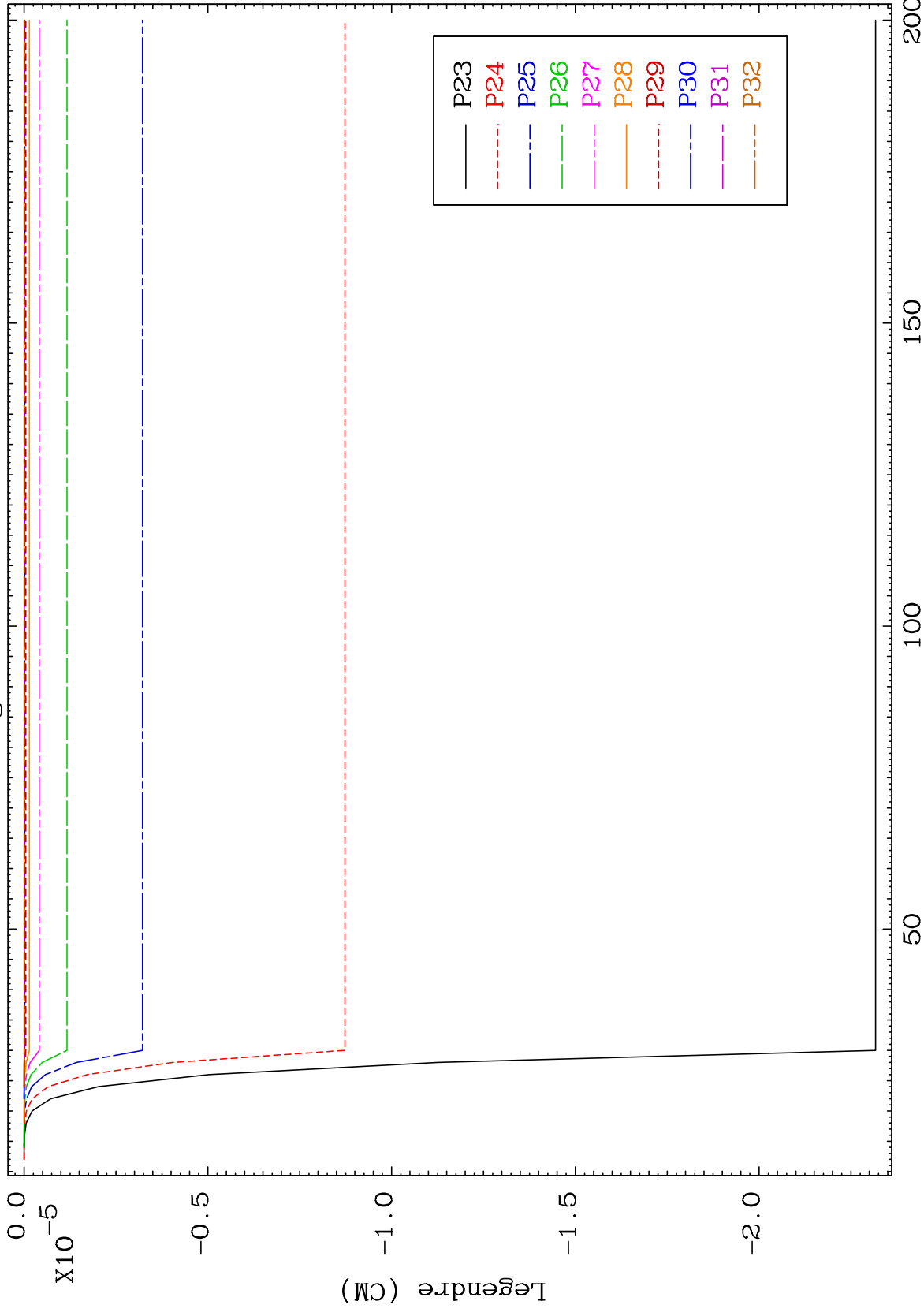
30-Zn-72



MAT 3049

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

30-Zn-72

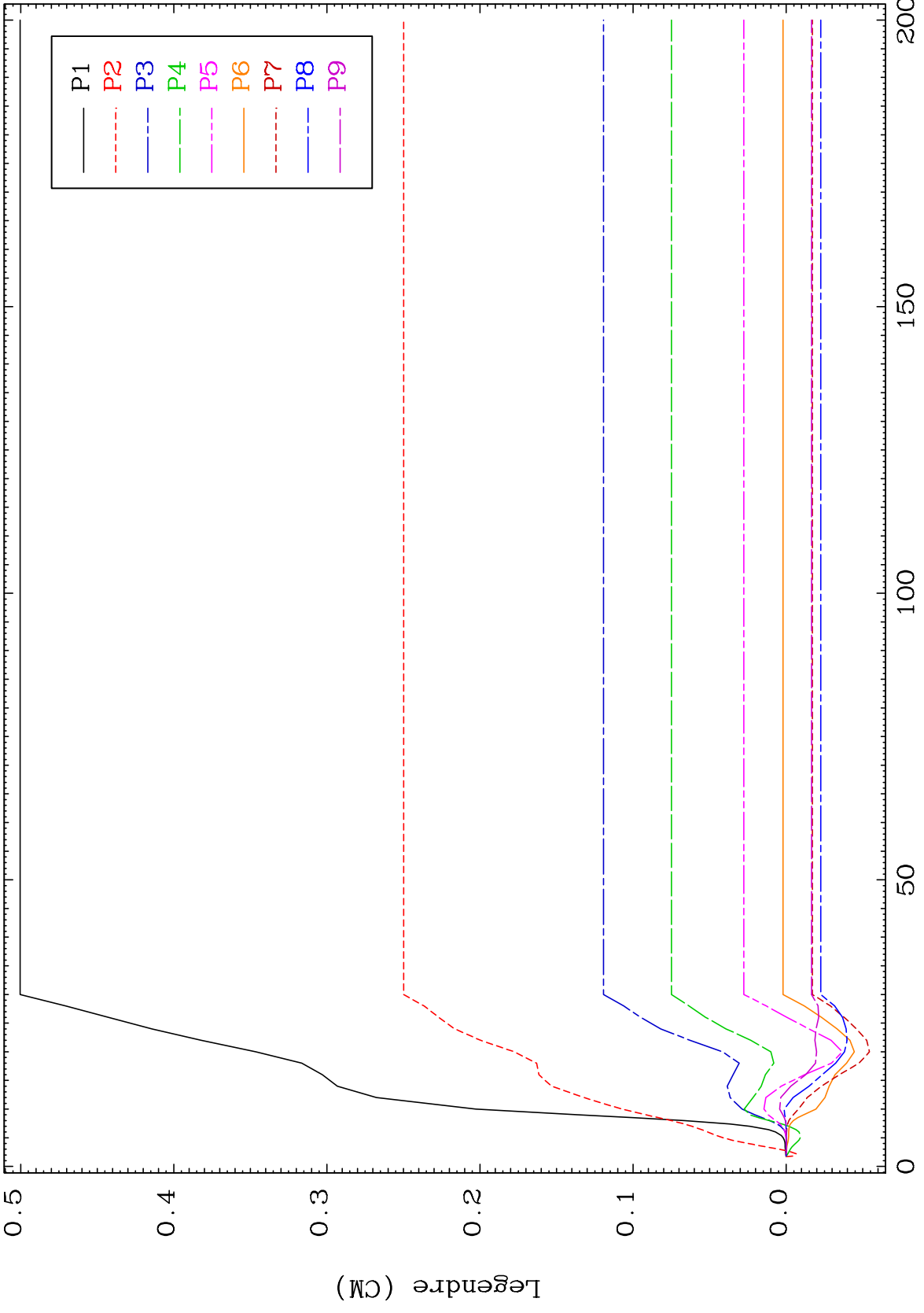


30-Zn-72

Incident Energy (MeV)

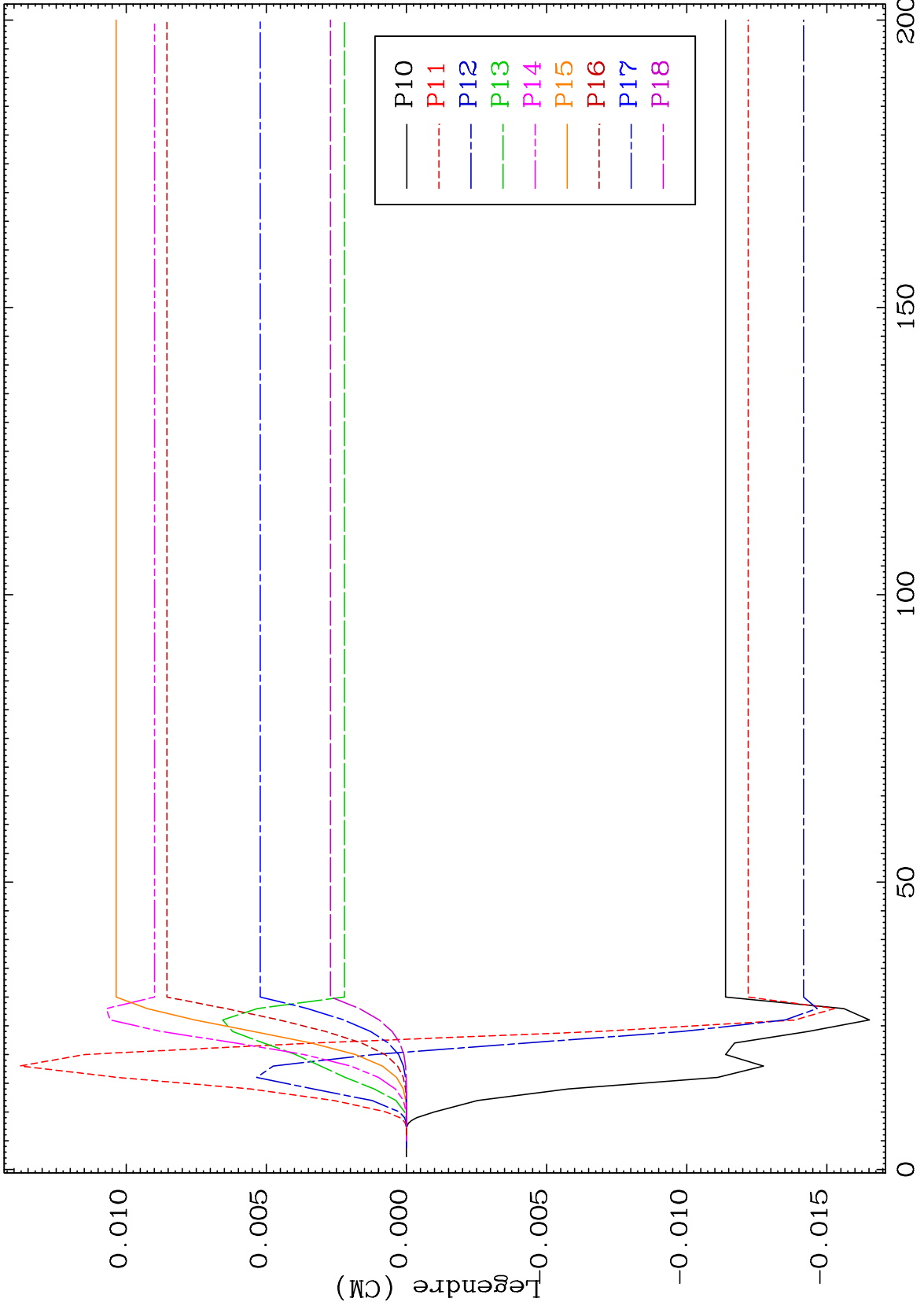
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MAT 3049 MT= 55 (n,n') Level Legendre Coefficients 30-Zn-72



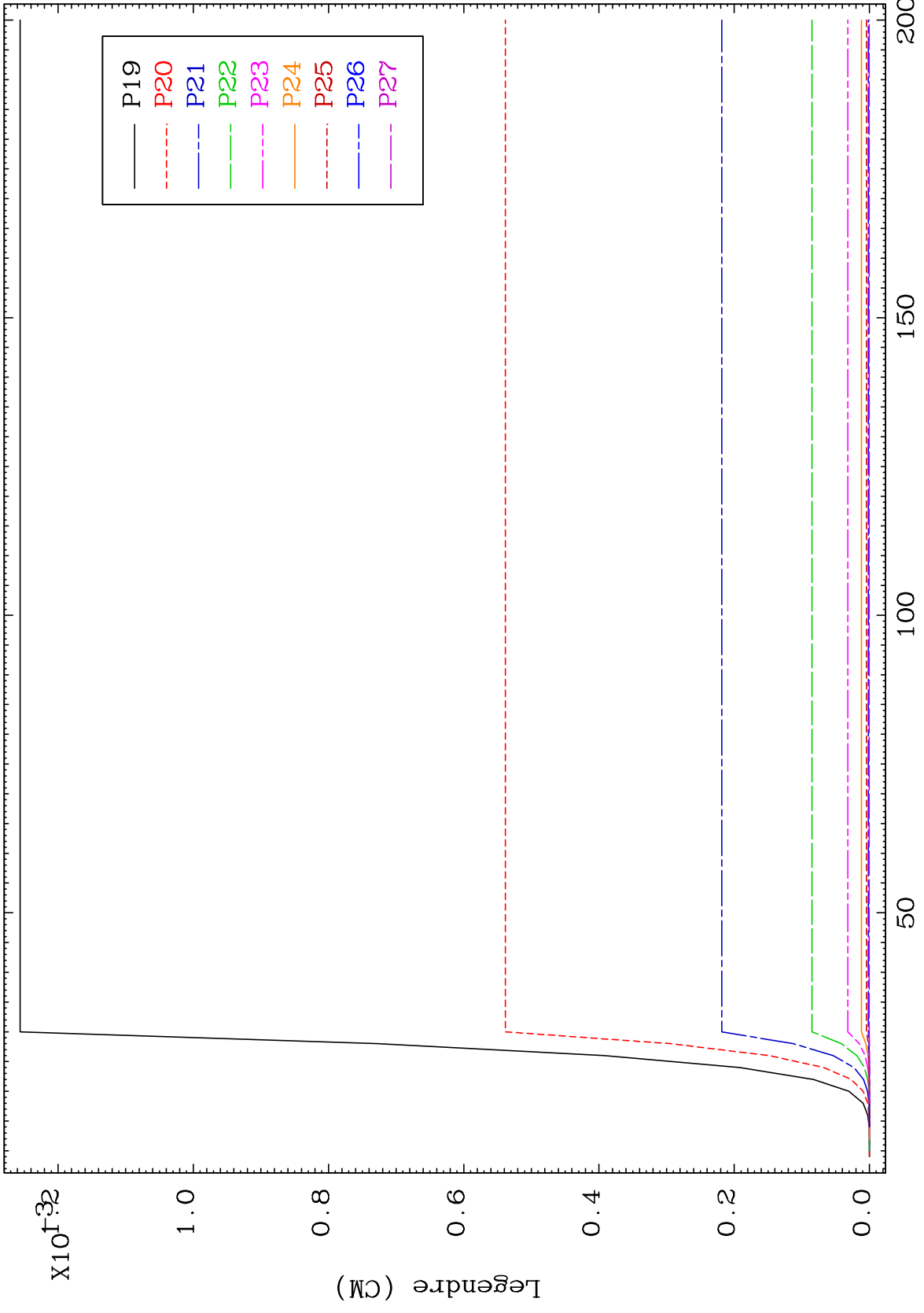
33 30-Zn-72

MAT 3049 MT= 55 (n,n') Level Legendre Coefficients 30-Zn-72



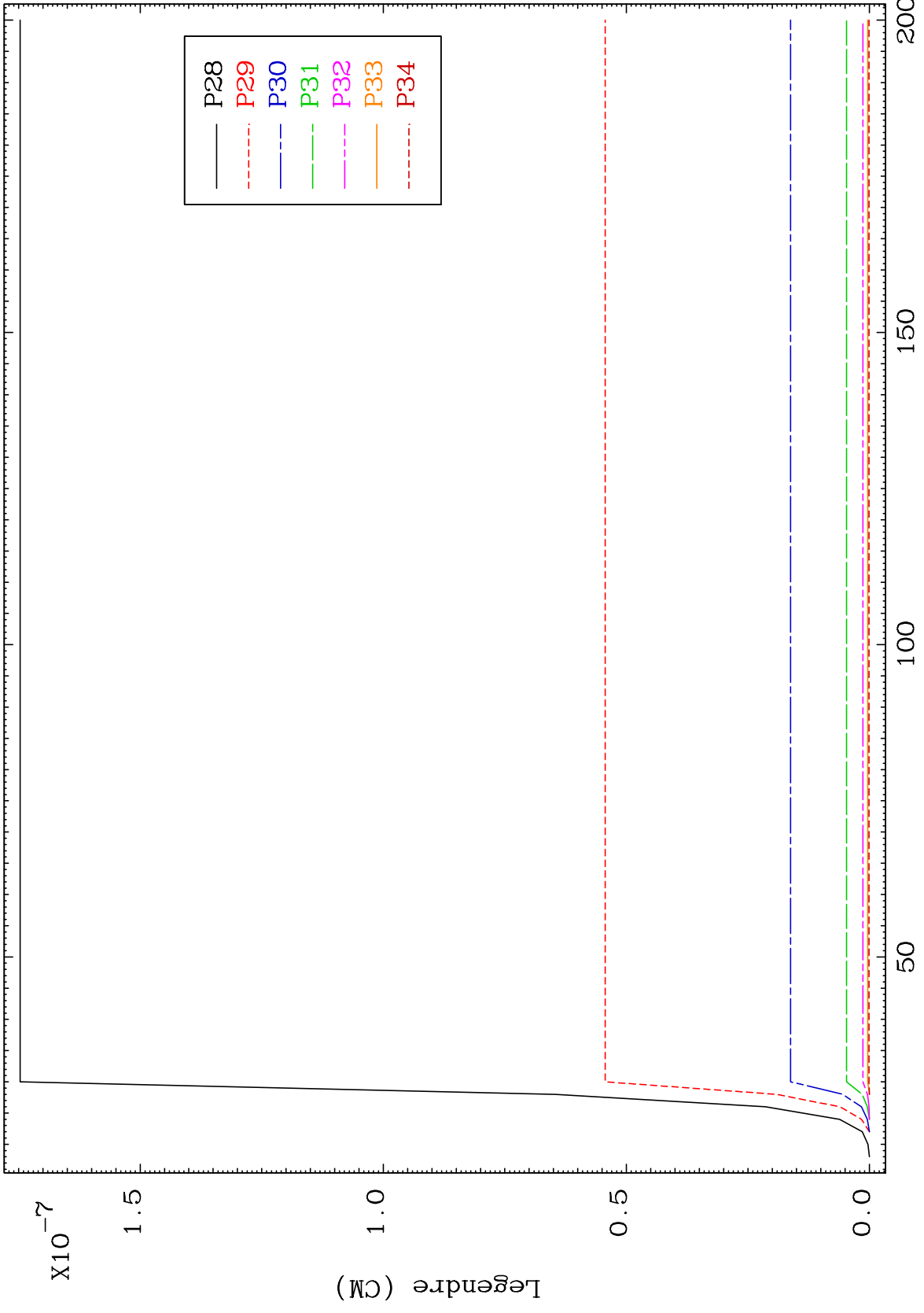
34 30-Zn-72

MAT 3049 MT= 55 (n,n') Level Legendre Coefficients 30-Zn-72



35 Incident Energy (MeV) 200 30-Zn-72

MAT 3049 MT= 55 (n,n') Level Legendre Coefficients 30-Zn-72

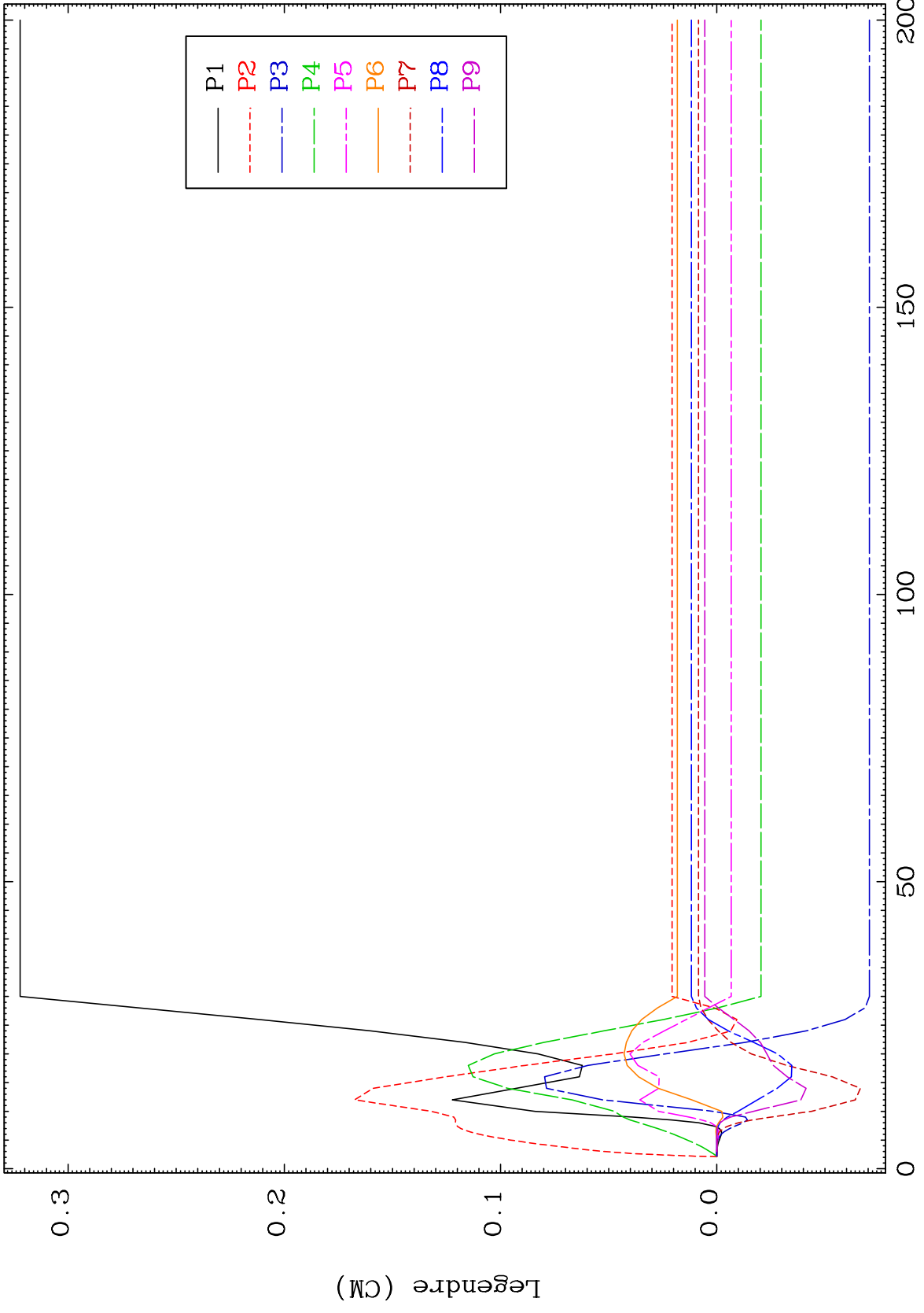


36 Incident Energy (MeV) 30-Zn-72

MAT 3049 MT= 56 (n,n') Level Legendre Coefficients

30-Zn-72

30-Zn-72

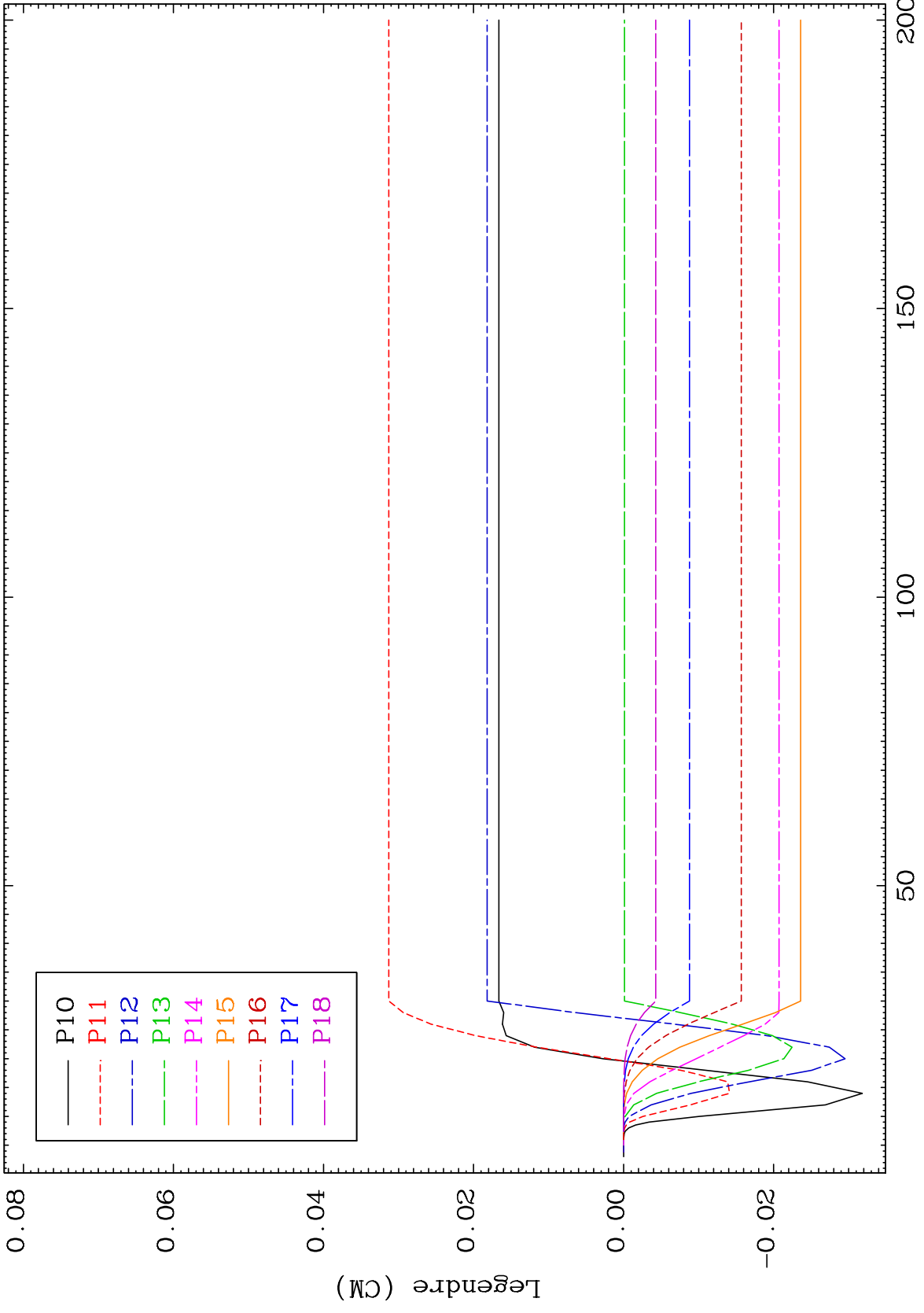


37

MAT 3049

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

30-Zn-72



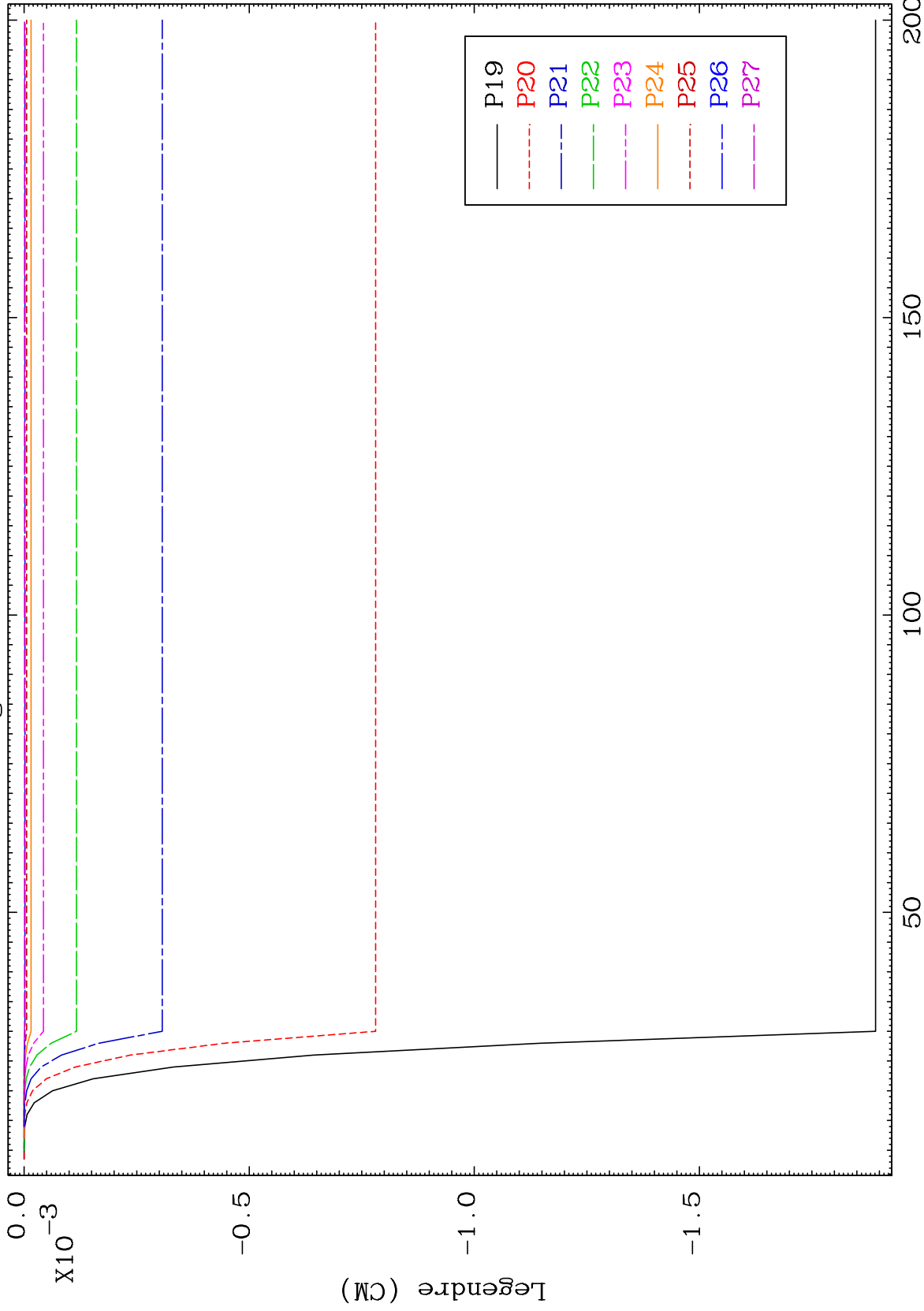
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30-Zn-72

MAT 3049

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

30-Zn-72



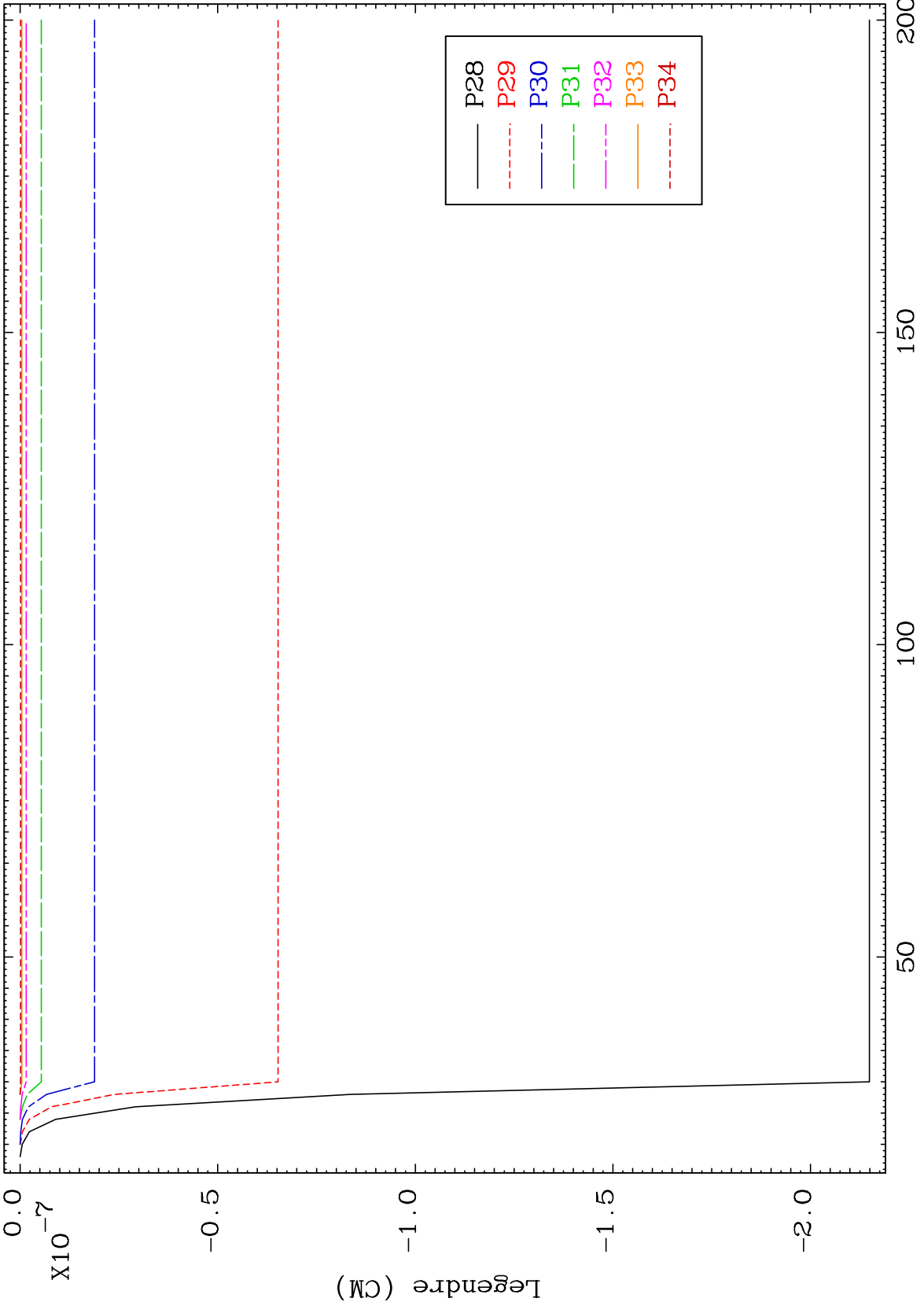
30-Zn-72

Incident Energy (MeV)

39



MAT 3049 MT= 56 (n,n') Level Legendre Coefficients 30-Zn-72

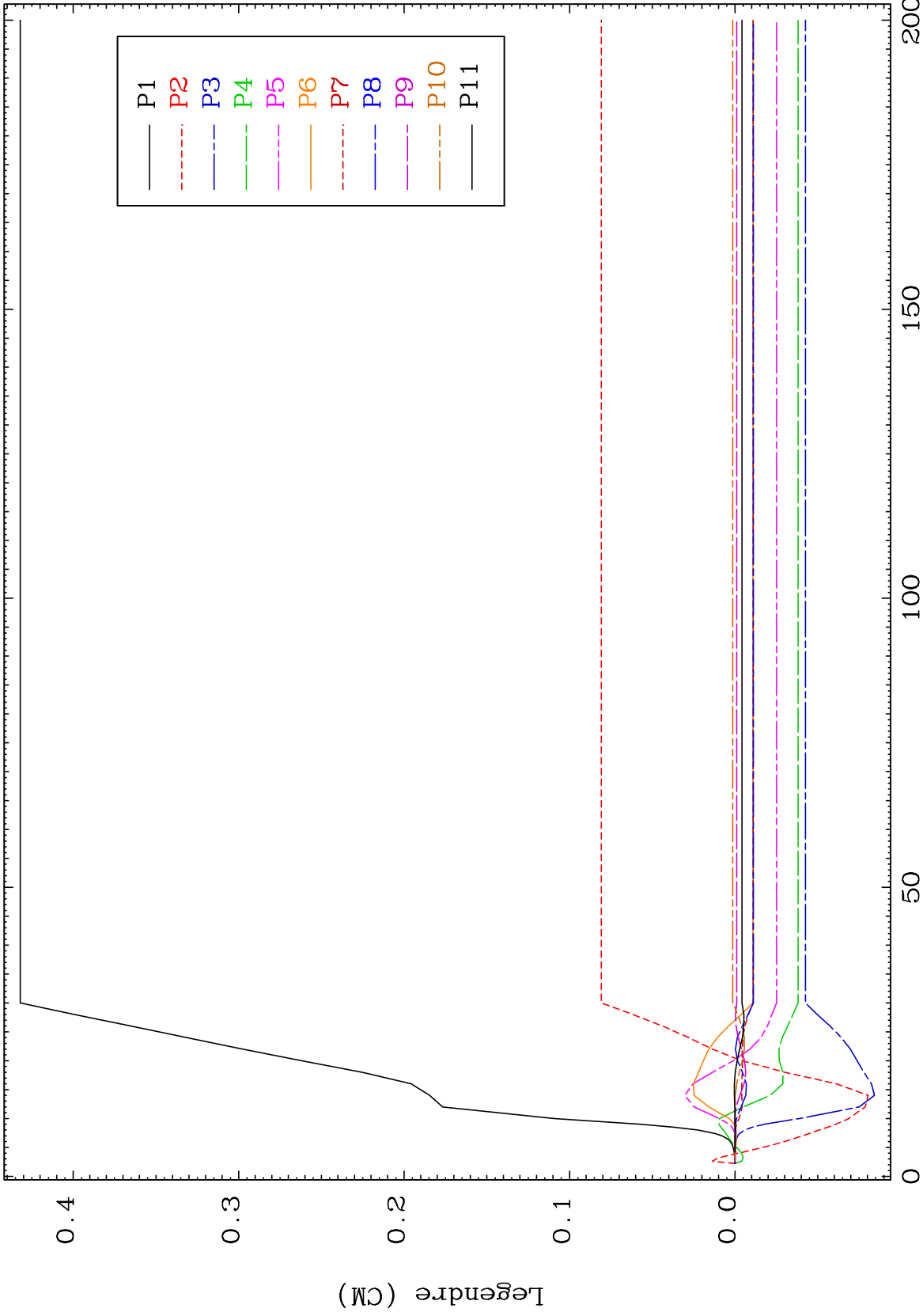


40 Incident Energy (MeV) 50 100 150 200 30-Zn-72

MAT 3049

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

30-Zn-72

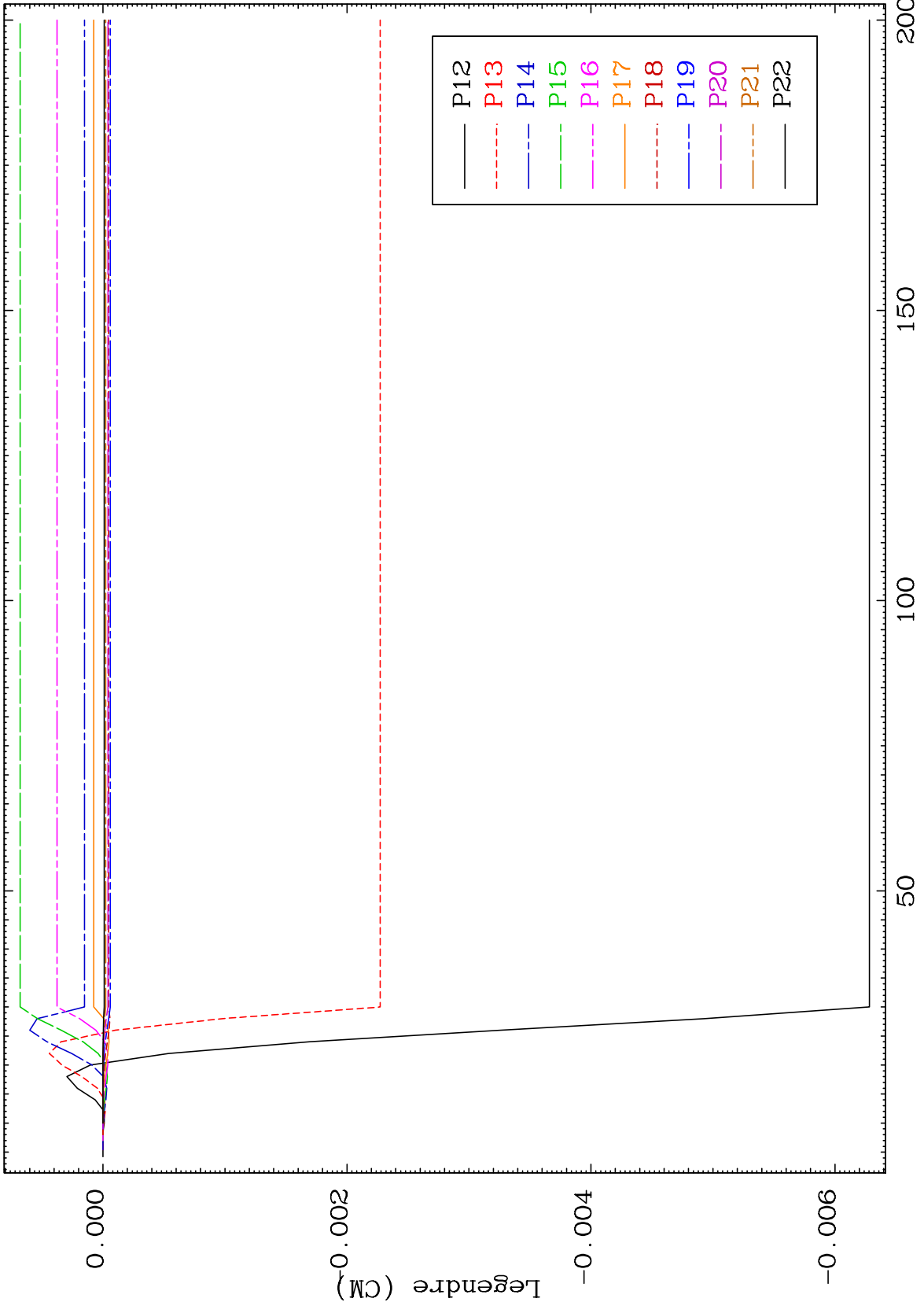


41

Incident Energy (MeV)

30-Zn-72

MAT 3049 MT= 57 (n,n') Level Legendre Coefficients 30-Zn-72

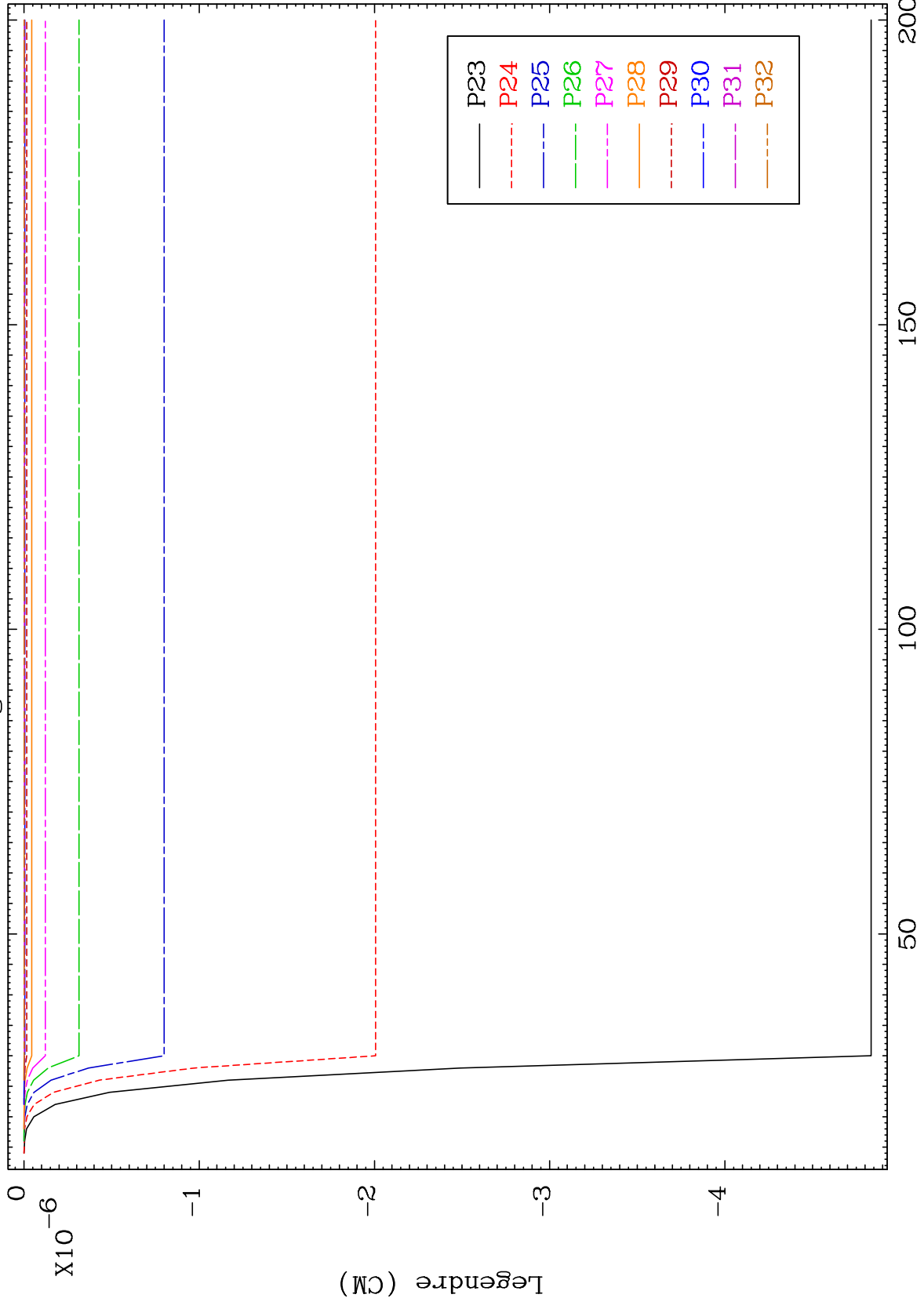


42 Incident Energy (MeV) 30-Zn-72

MAT 3049

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

30-Zn-72



43

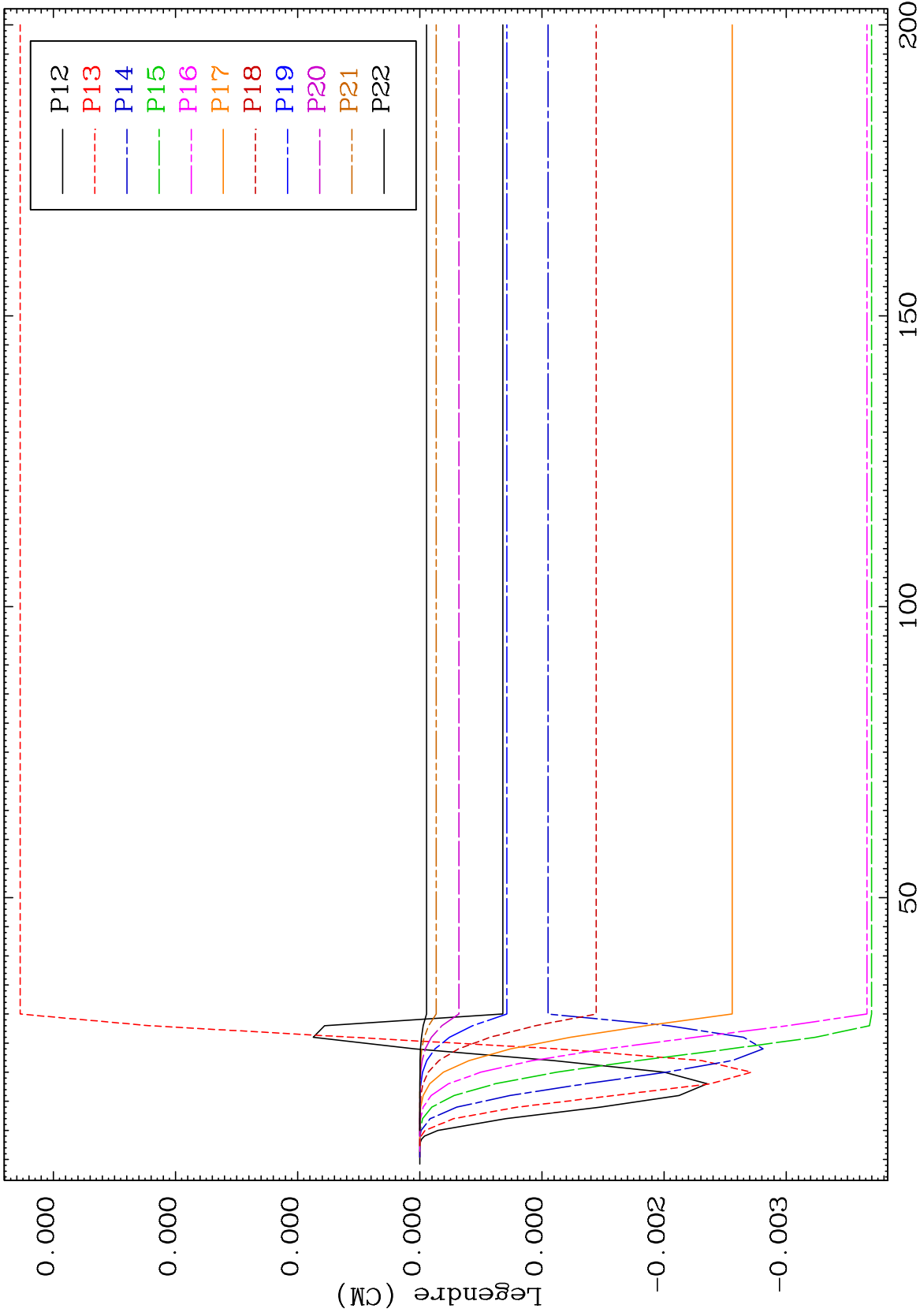
30-Zn-72



MAT 3049

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

30-Zn-72



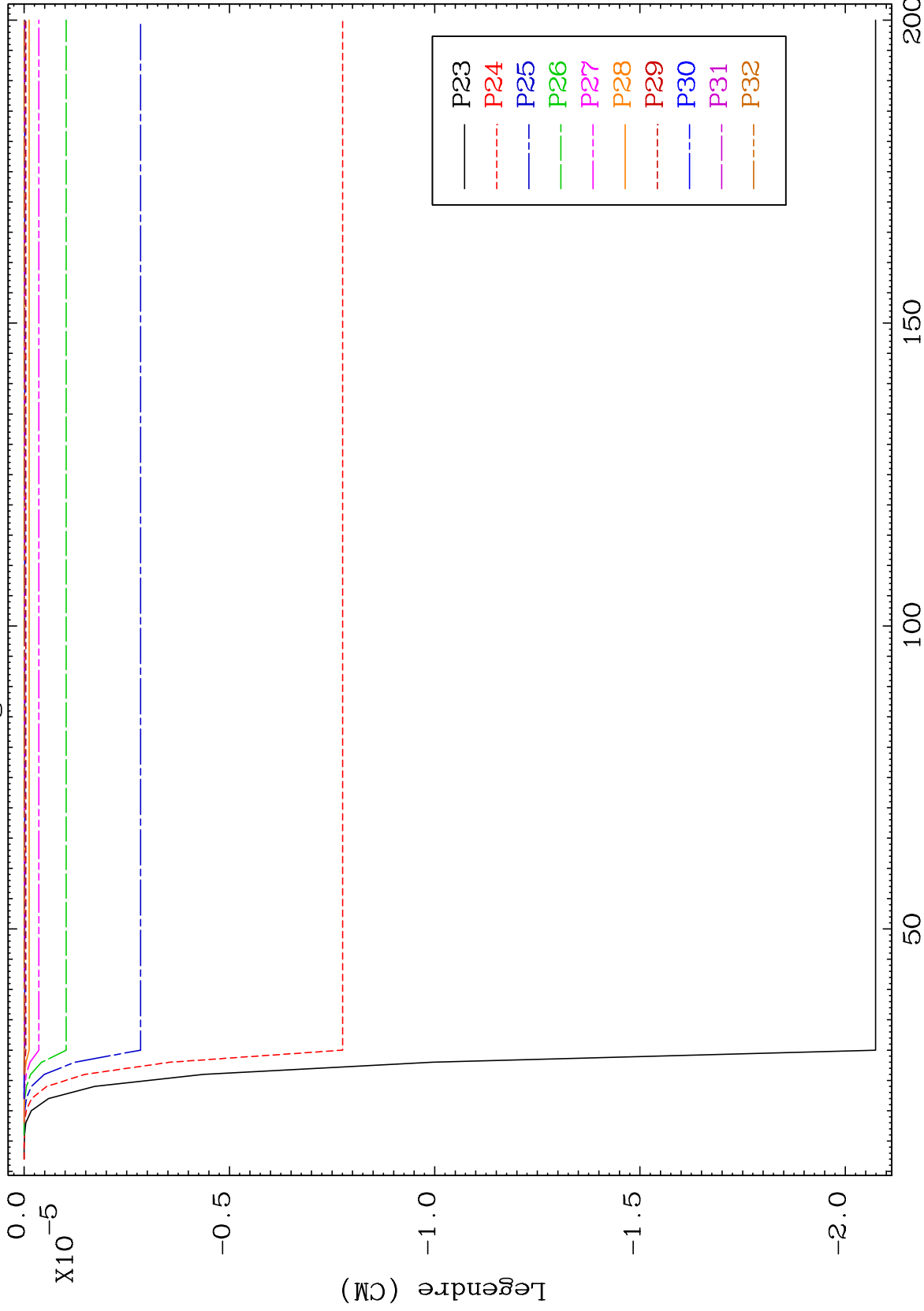
45

Incident Energy (MeV)

30-Zn-72

MAT 3049 MT= 58 (n,n') Level 30-Zn-72

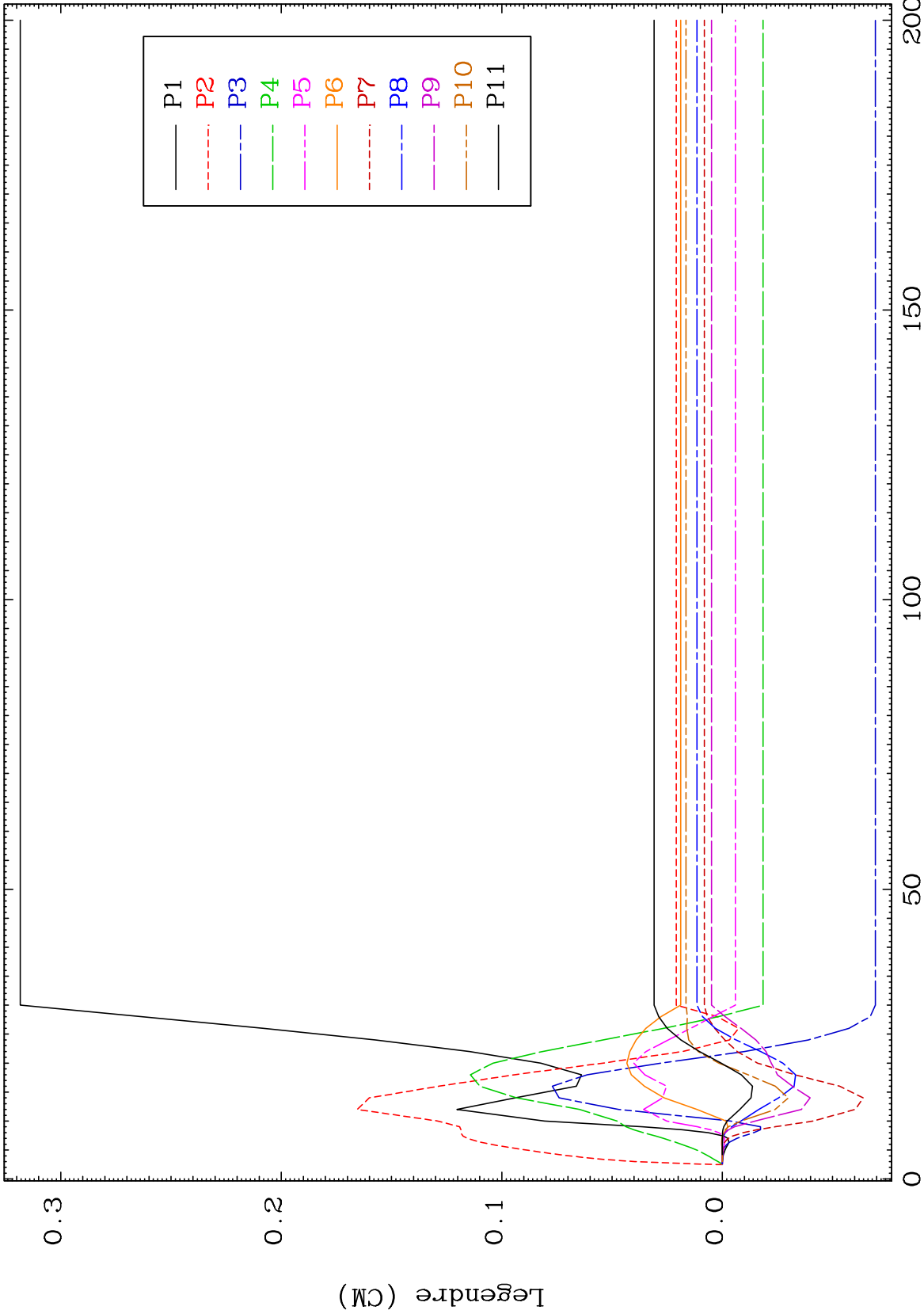
Legendre Coefficients



MAT 3049

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

30-Zn-72



47

Incident Energy (MeV)

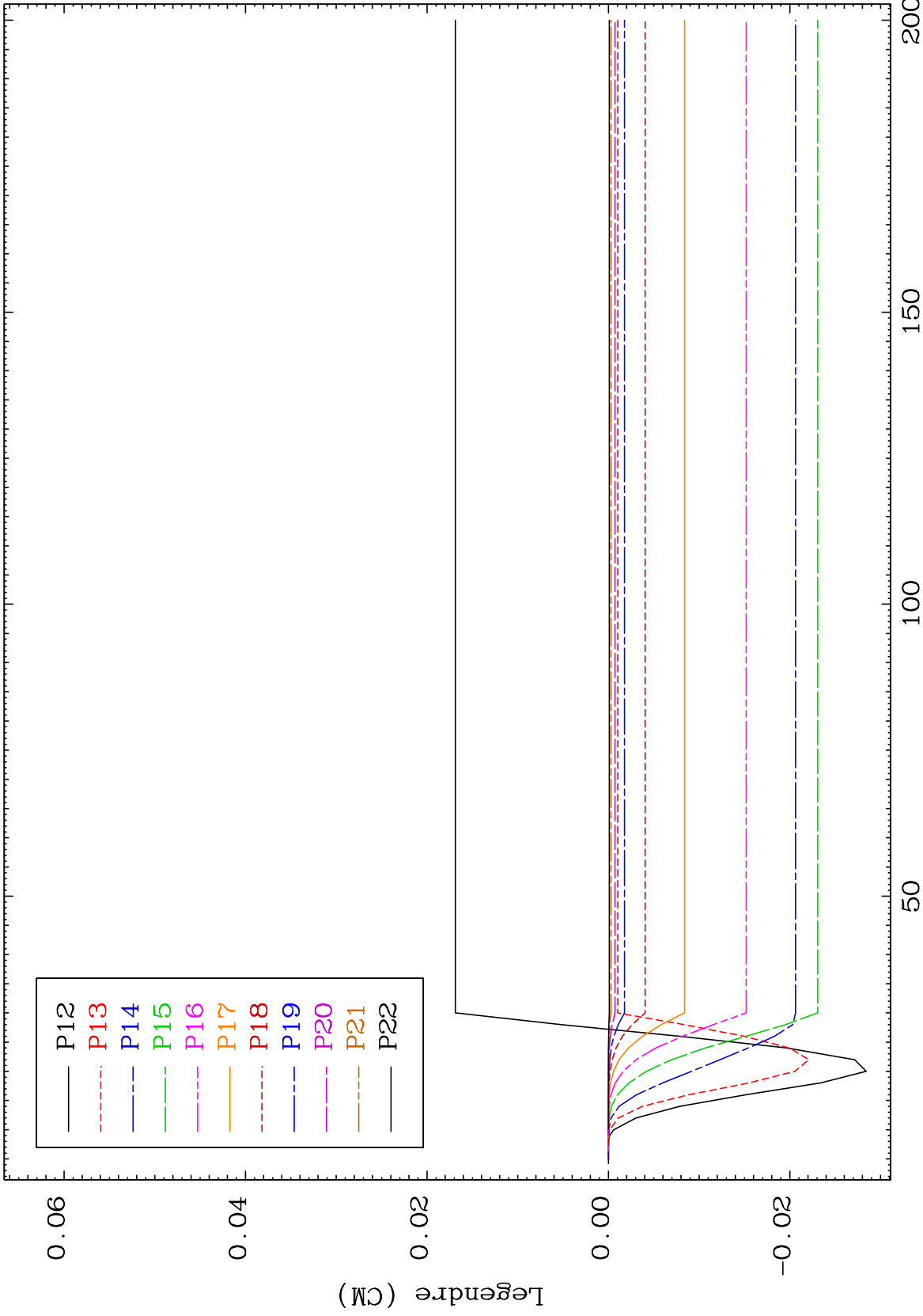
30-Zn-72



MAT 3049

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

30-Zn-72

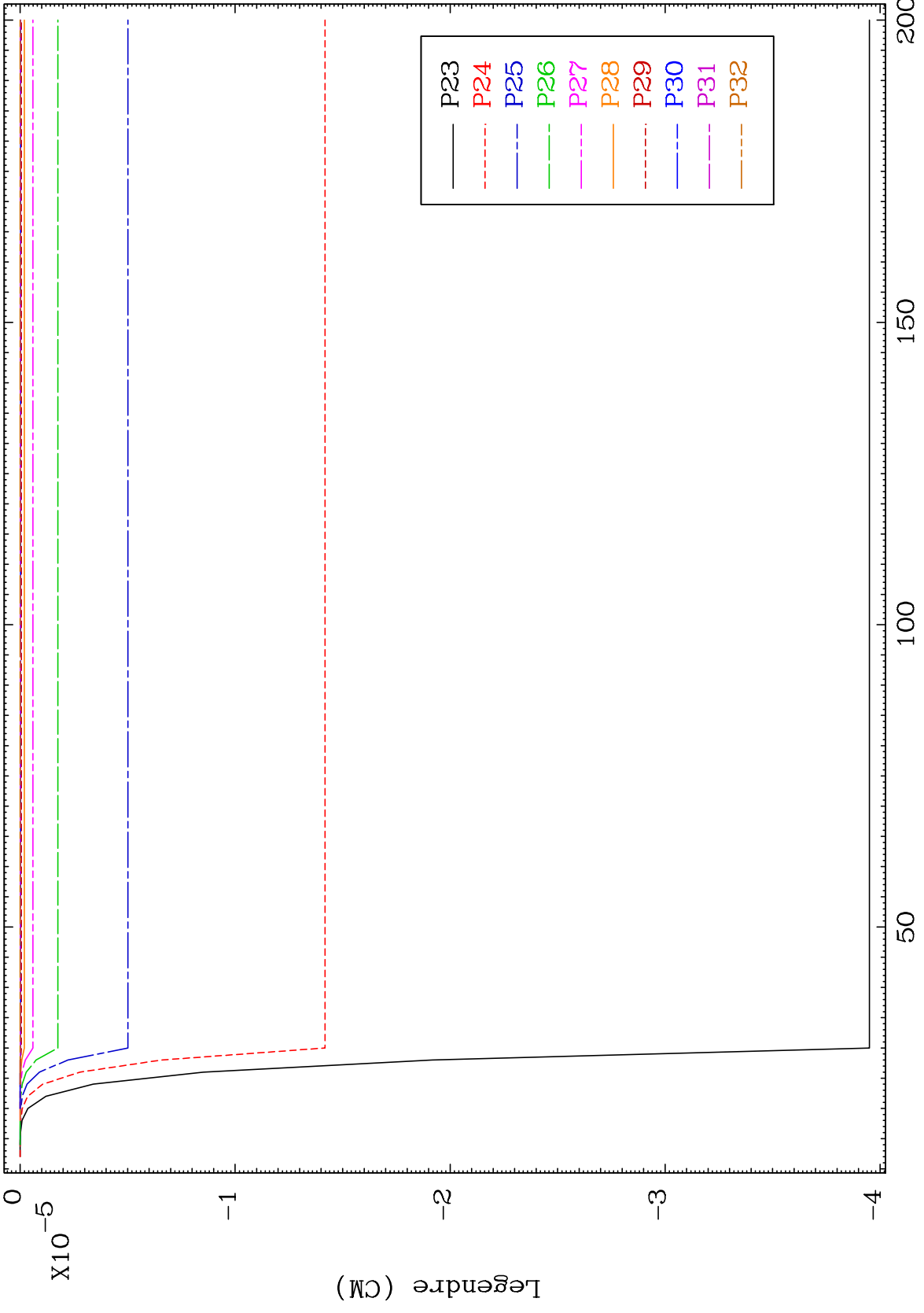


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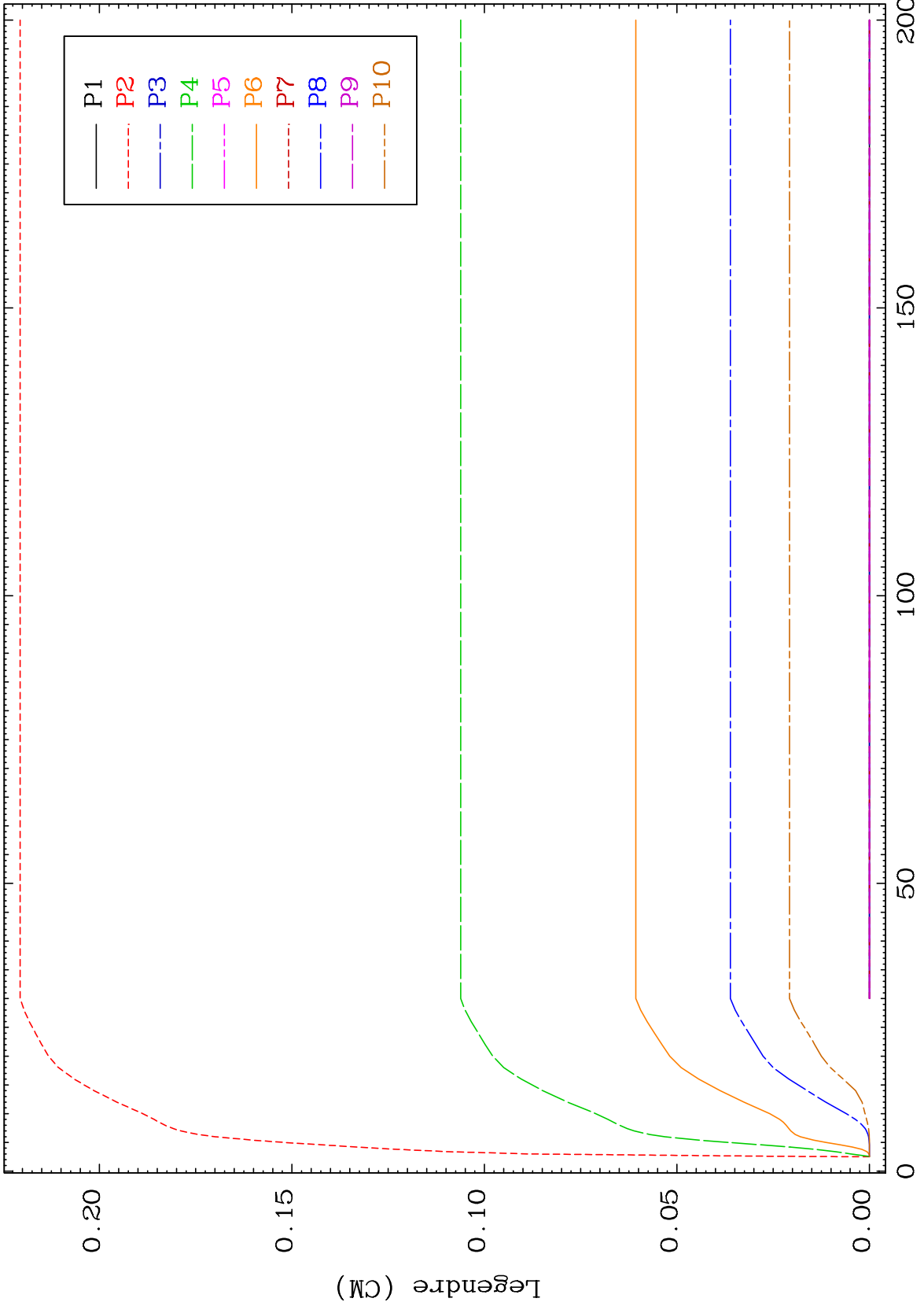
Incident Energy (MeV)

30-Zn-72

MAT 3049 MT= 59 (n,n') Level Legendre Coefficients 30-Zn-72



MAT 3049 MT= 60 (n,n') Level Legendre Coefficients 30-Zn-72

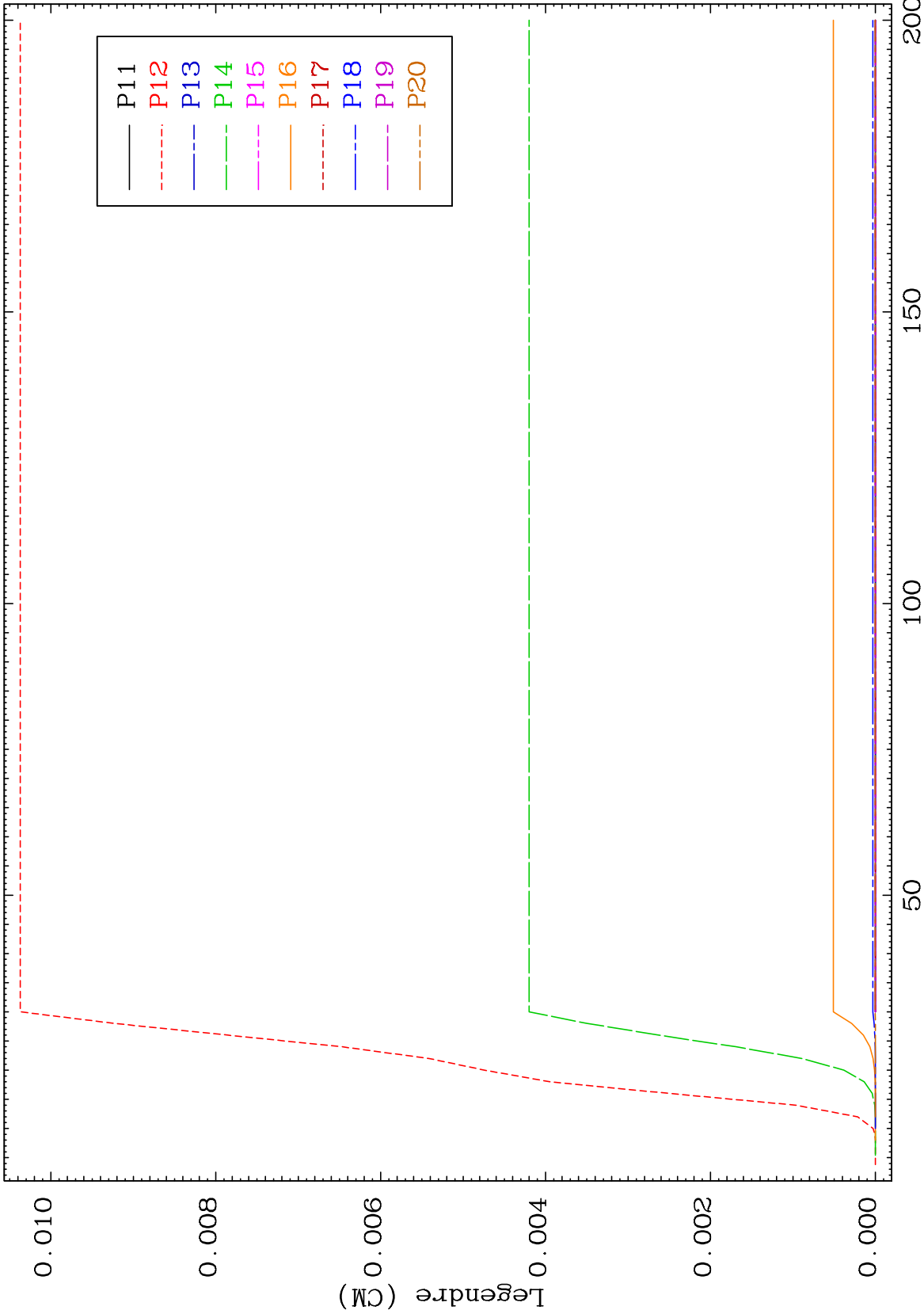


30-Zn-72 Incident Energy (MeV)

MAT 3049

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

30-Zn-72

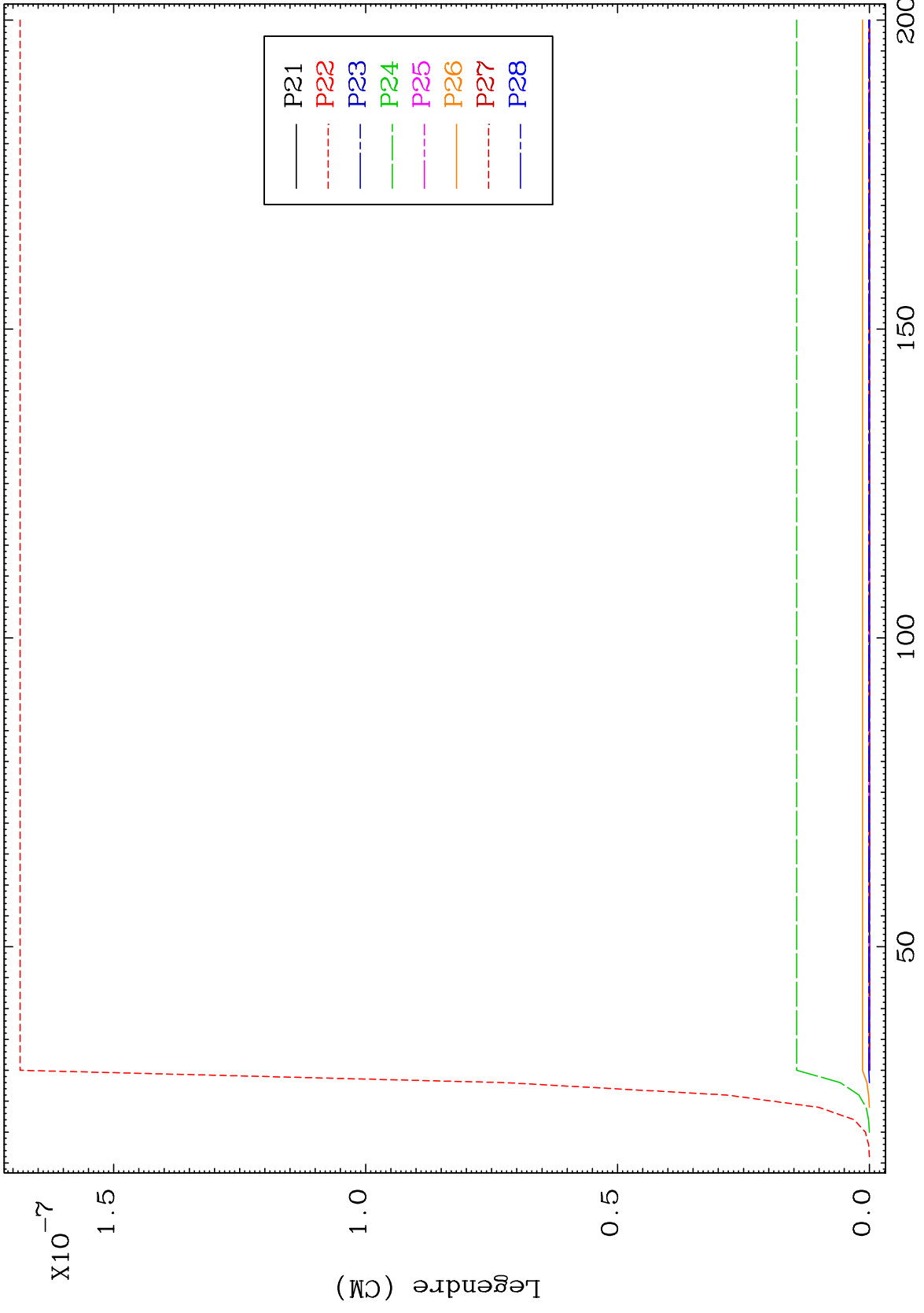


51

Incident Energy (MeV)

30-Zn-72

MAT 3049 MT= 60 (n,n') Level Legendre Coefficients 30-Zn-72

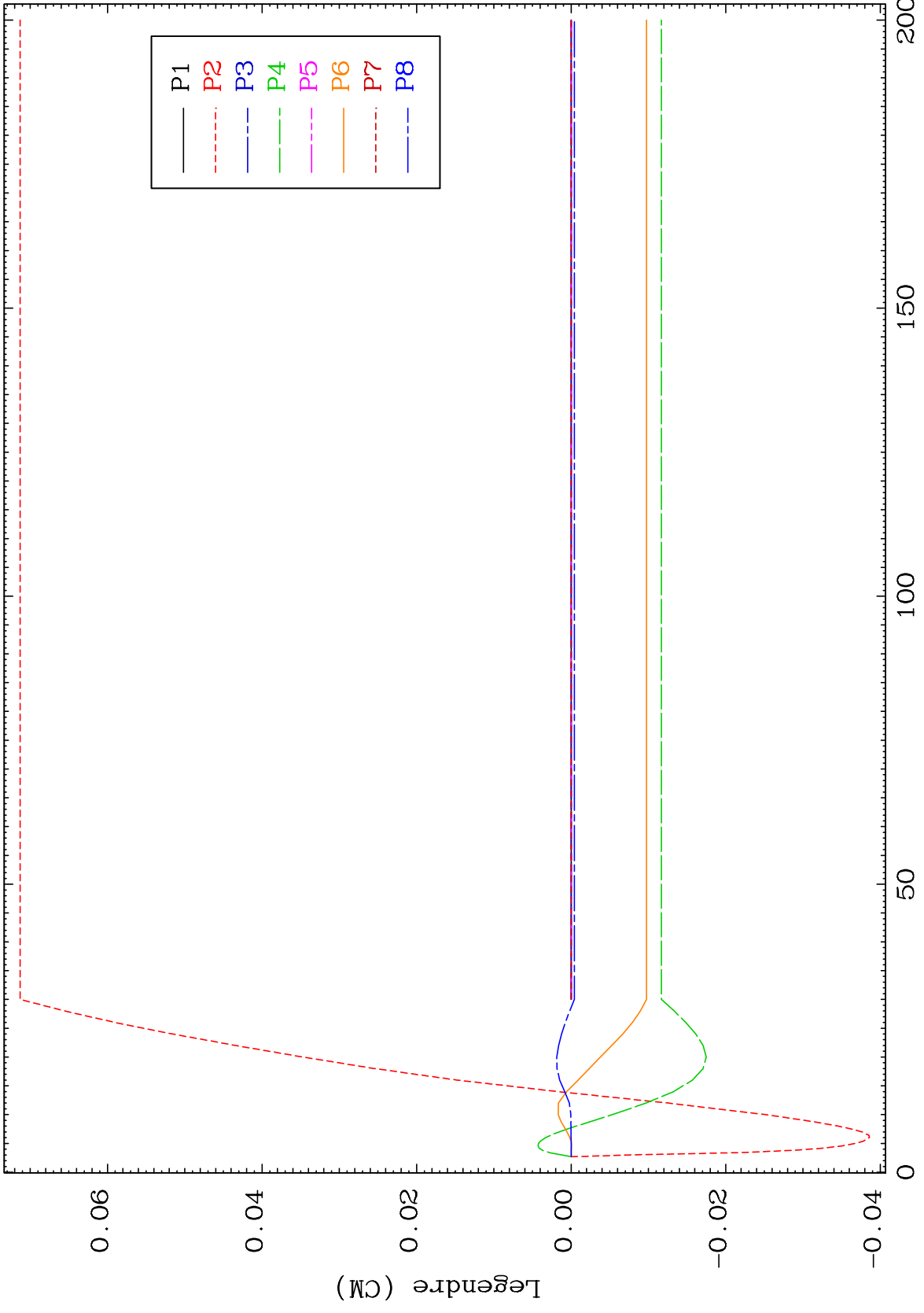


52

Incident Energy (MeV)

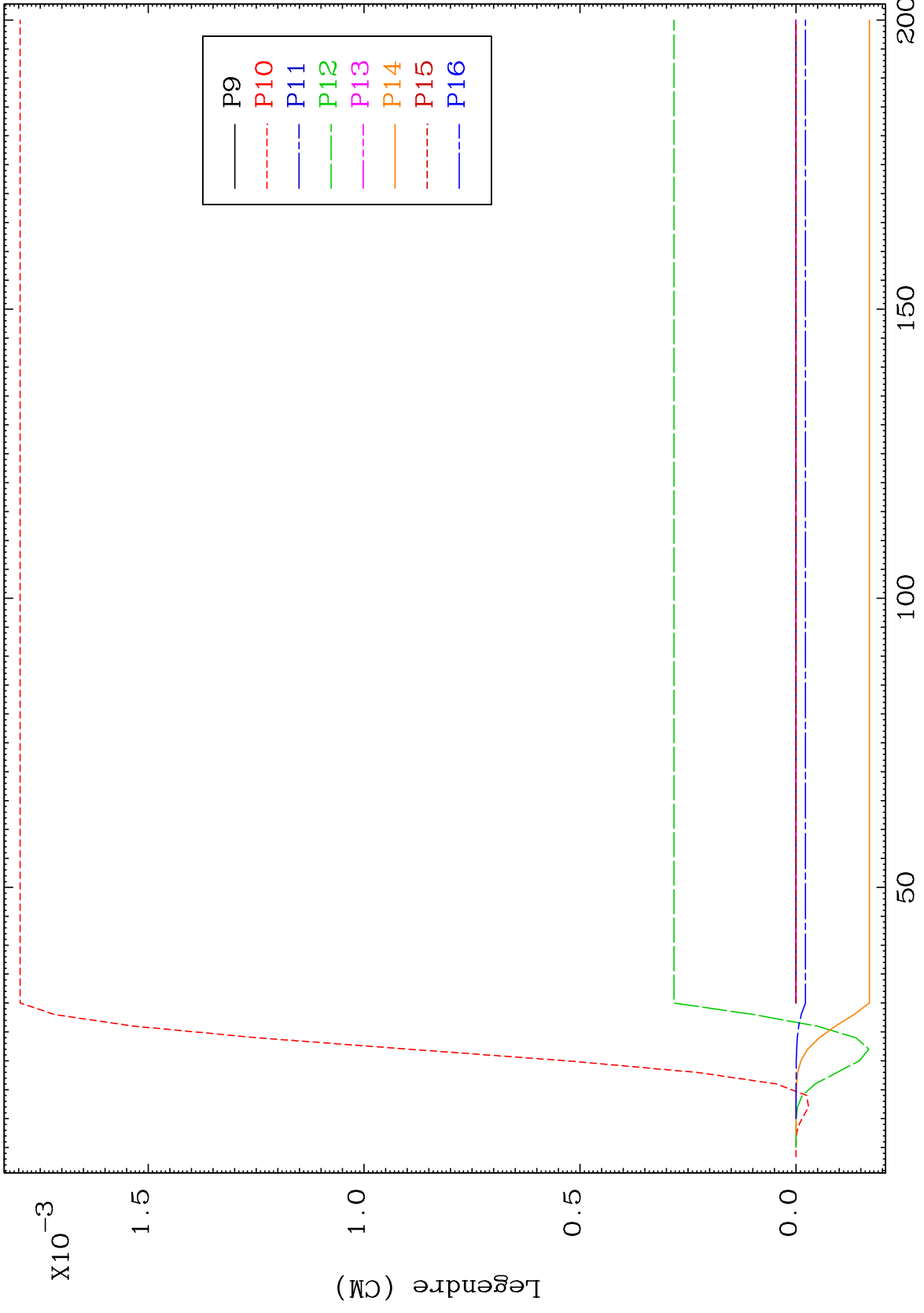
30-Zn-72

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

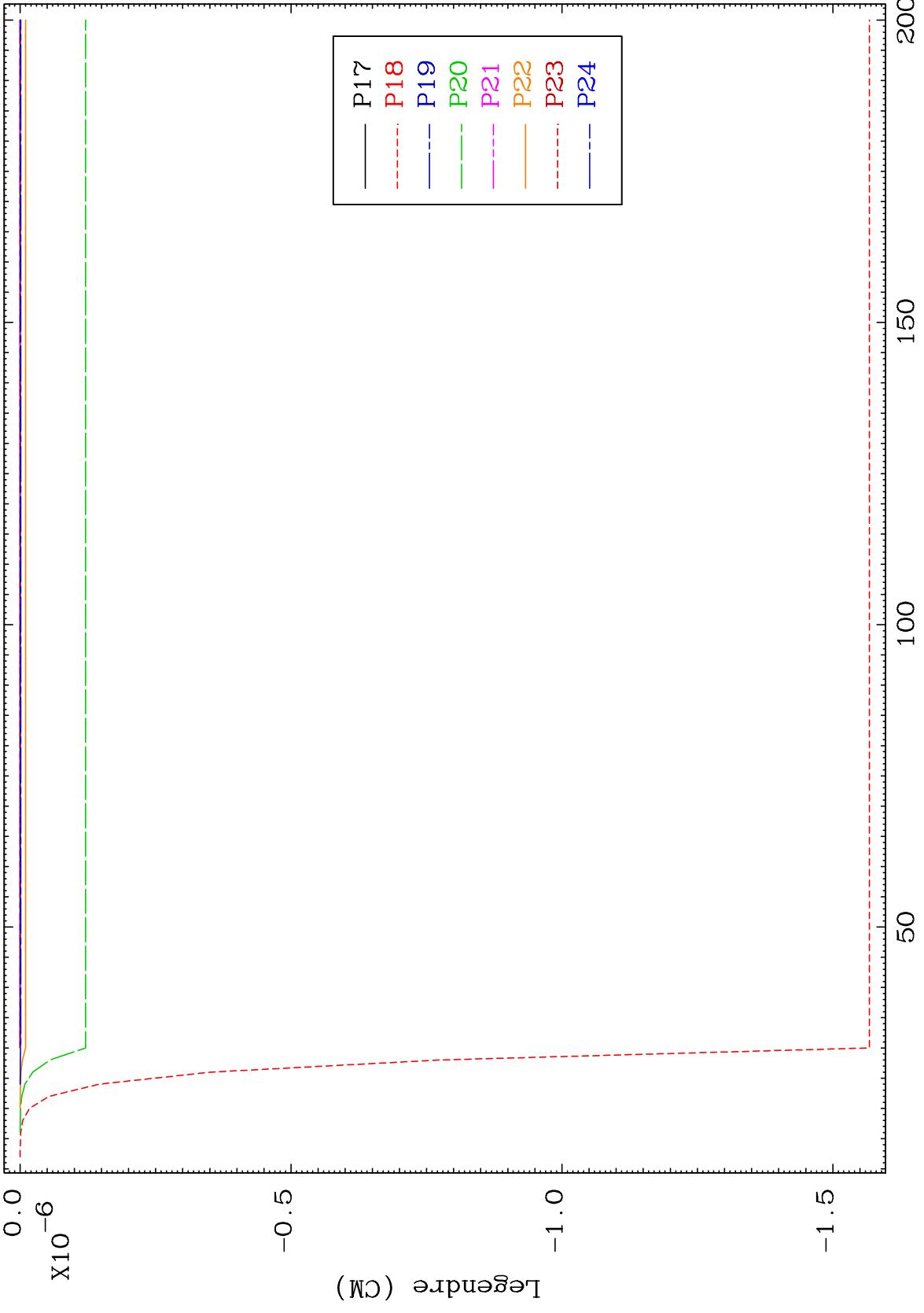


53 30-Zn-72

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



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



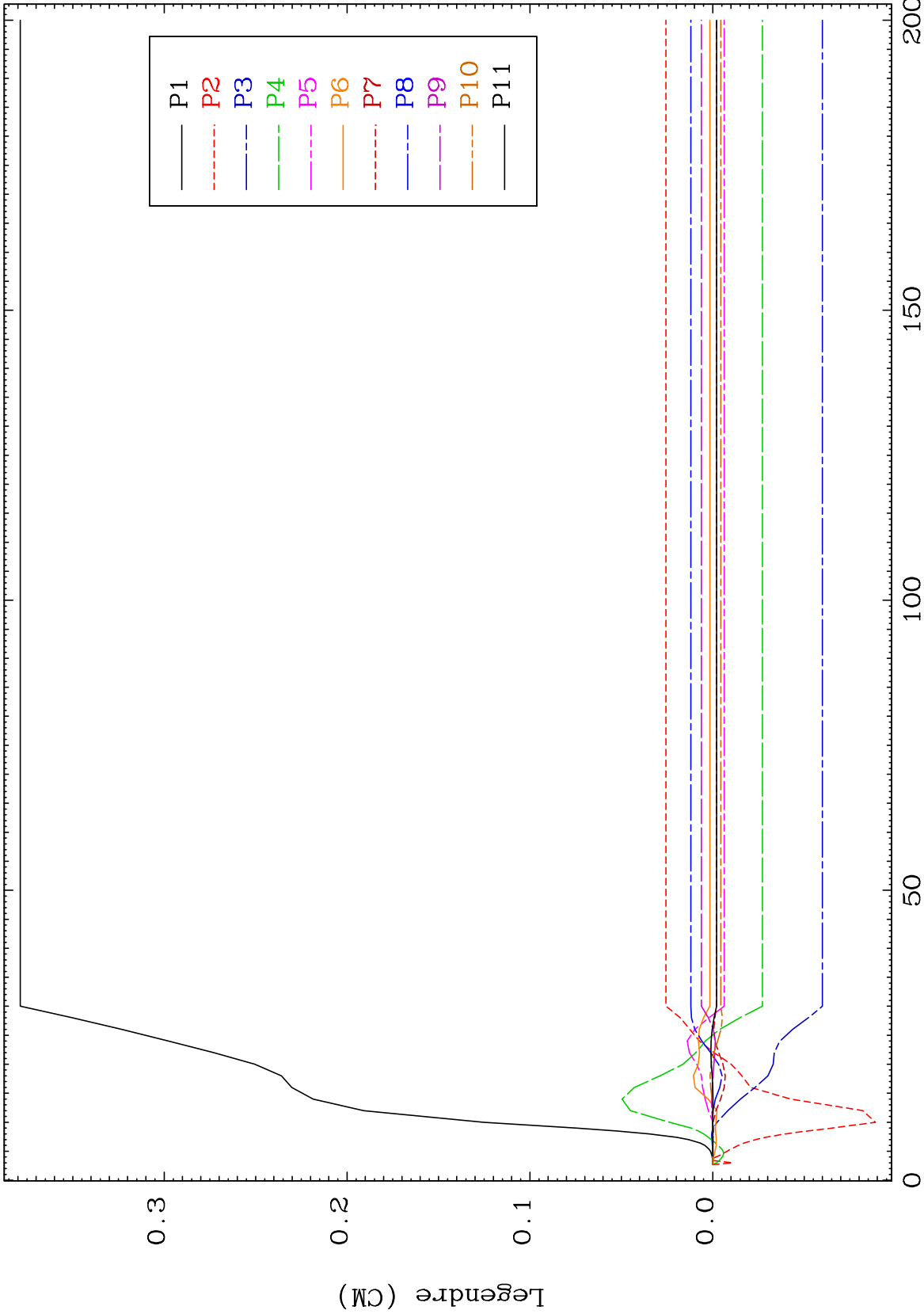
55 Incident Energy (MeV) 200 30-Zn-72



MAT 3049

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

30-Zn-72

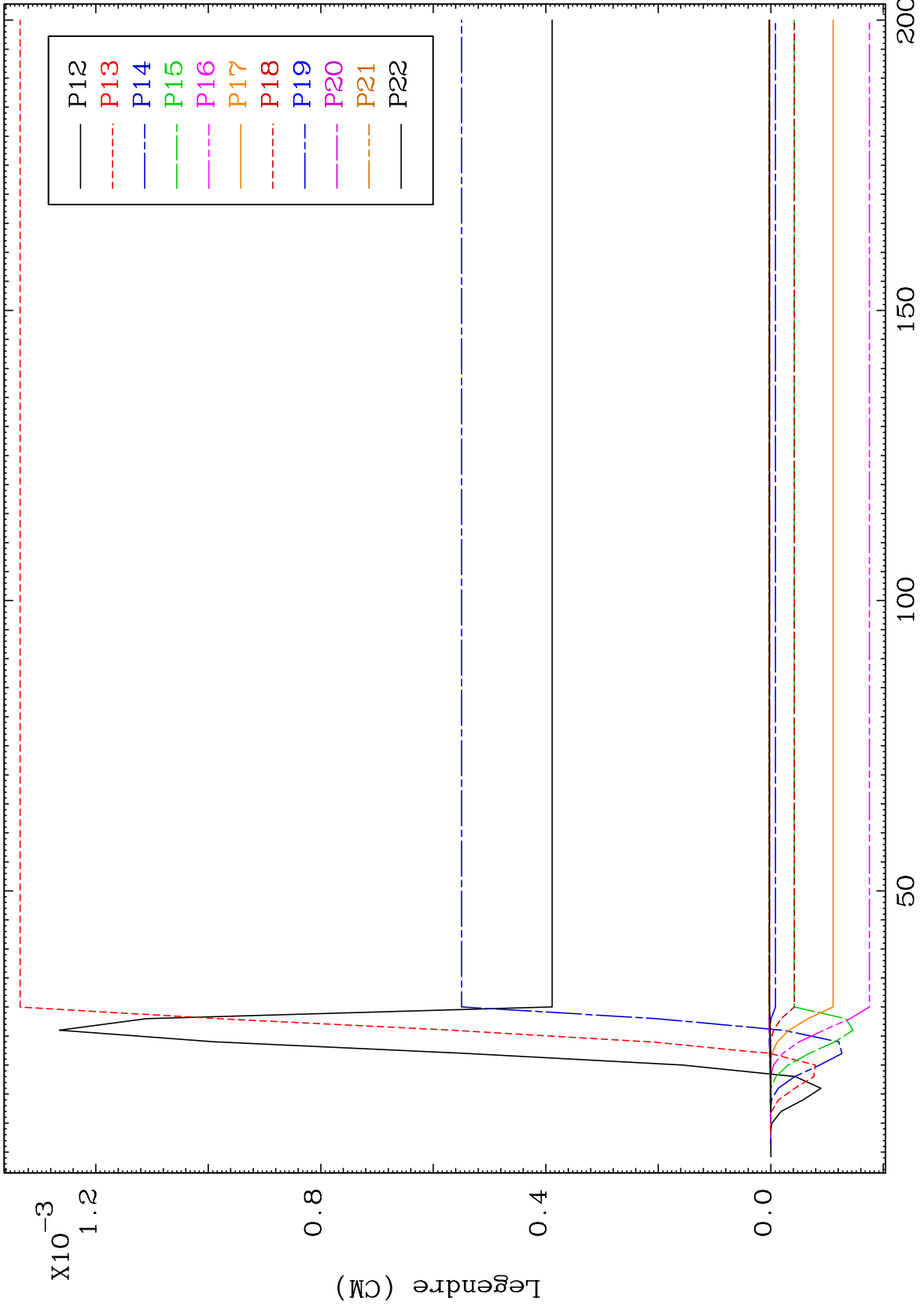


56

Incident Energy (MeV)

30-Zn-72

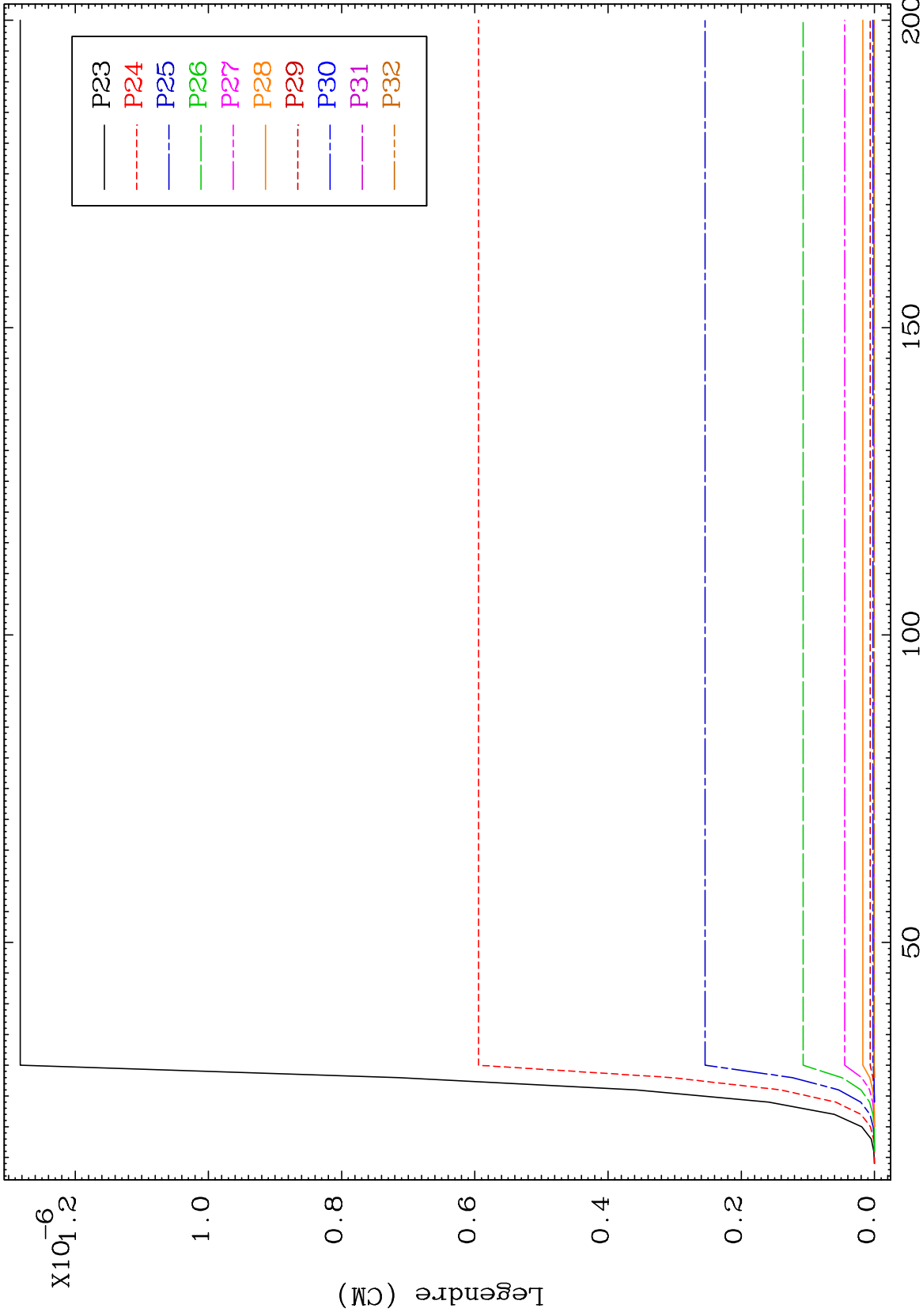
MAT 3049 MT= 62 (n,n') Level Legendre Coefficients 30-Zn-72



MAT 3049

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

30-Zn-72

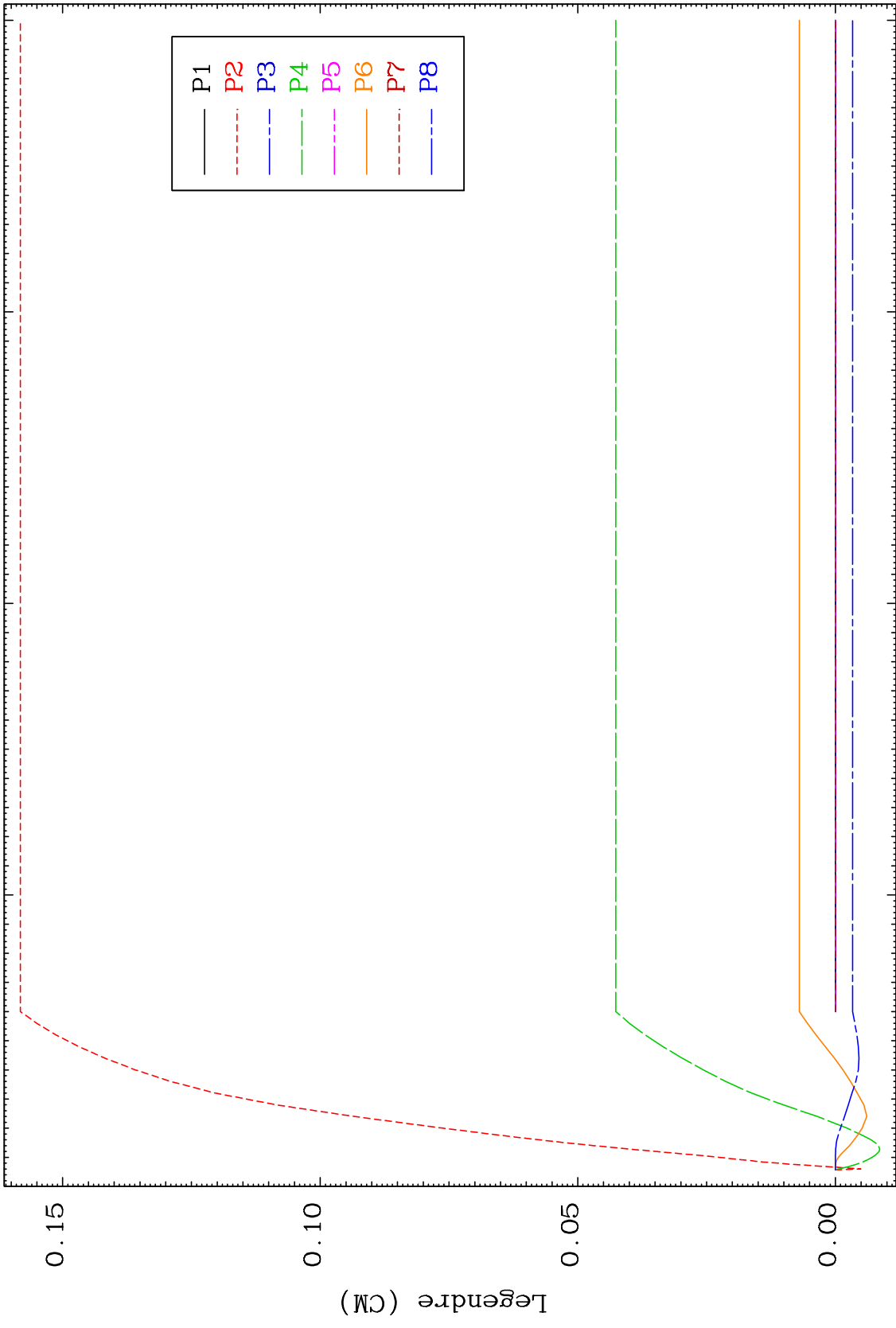


58

Incident Energy (MeV)

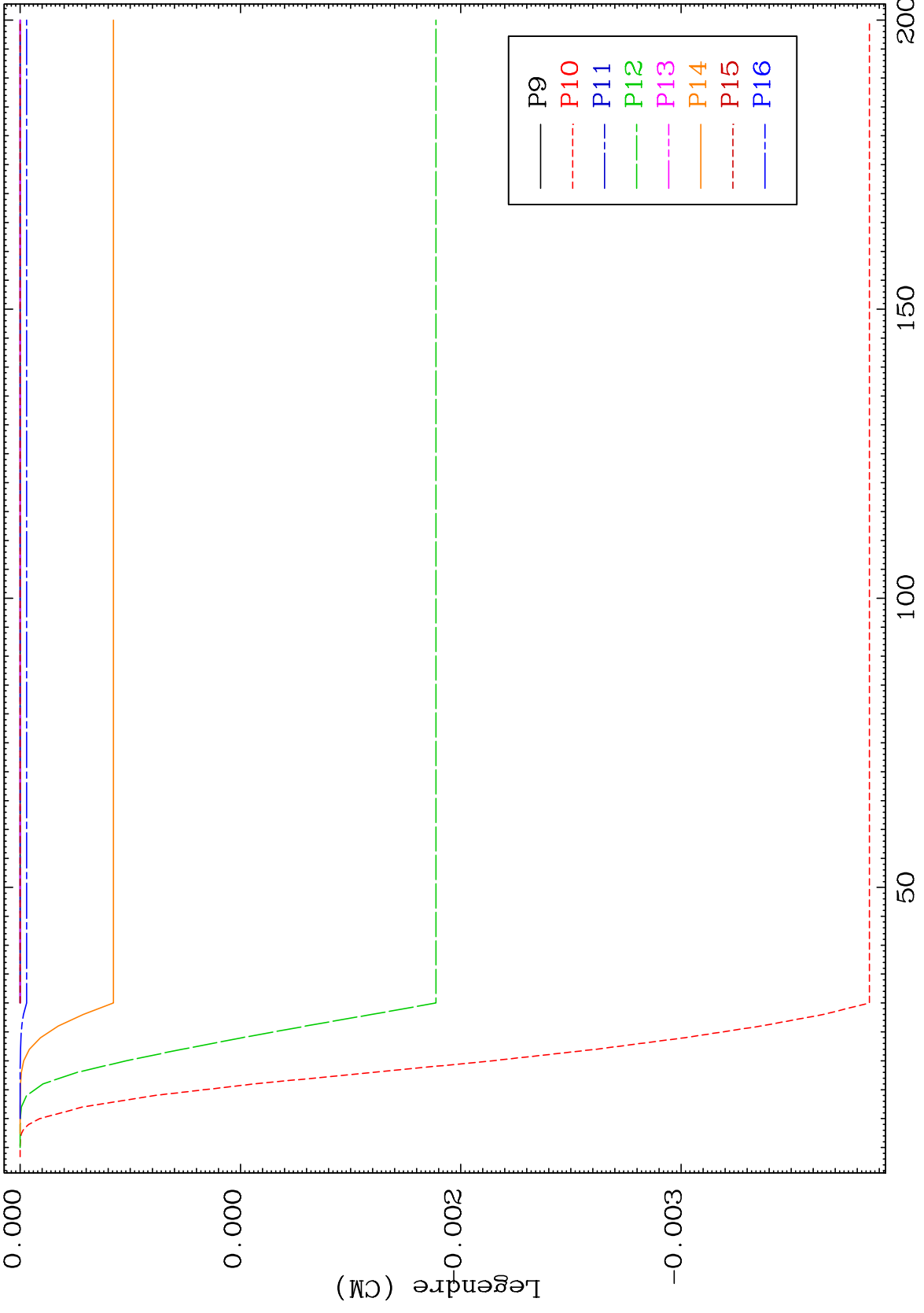
30-Zn-72

MAT 3049 MT= 63 (n,n') Level Legendre Coefficients 30-Zn-72



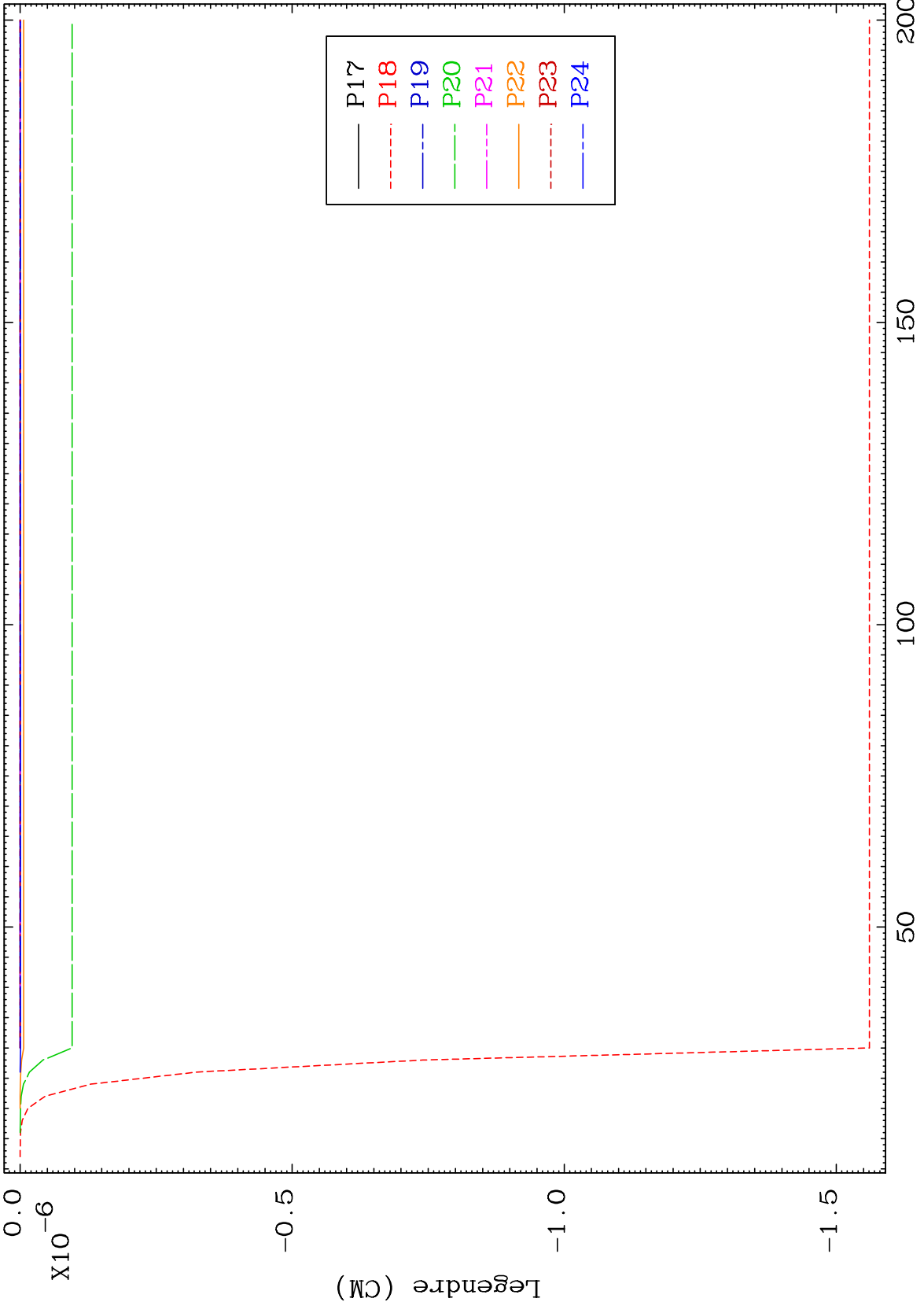
59 Incident Energy (MeV) 200 30-Zn-72

MAT 3049 MT= 63 (n,n') Level Legendre Coefficients 30-Zn-72



60 Incident Energy (MeV) 30-Zn-72

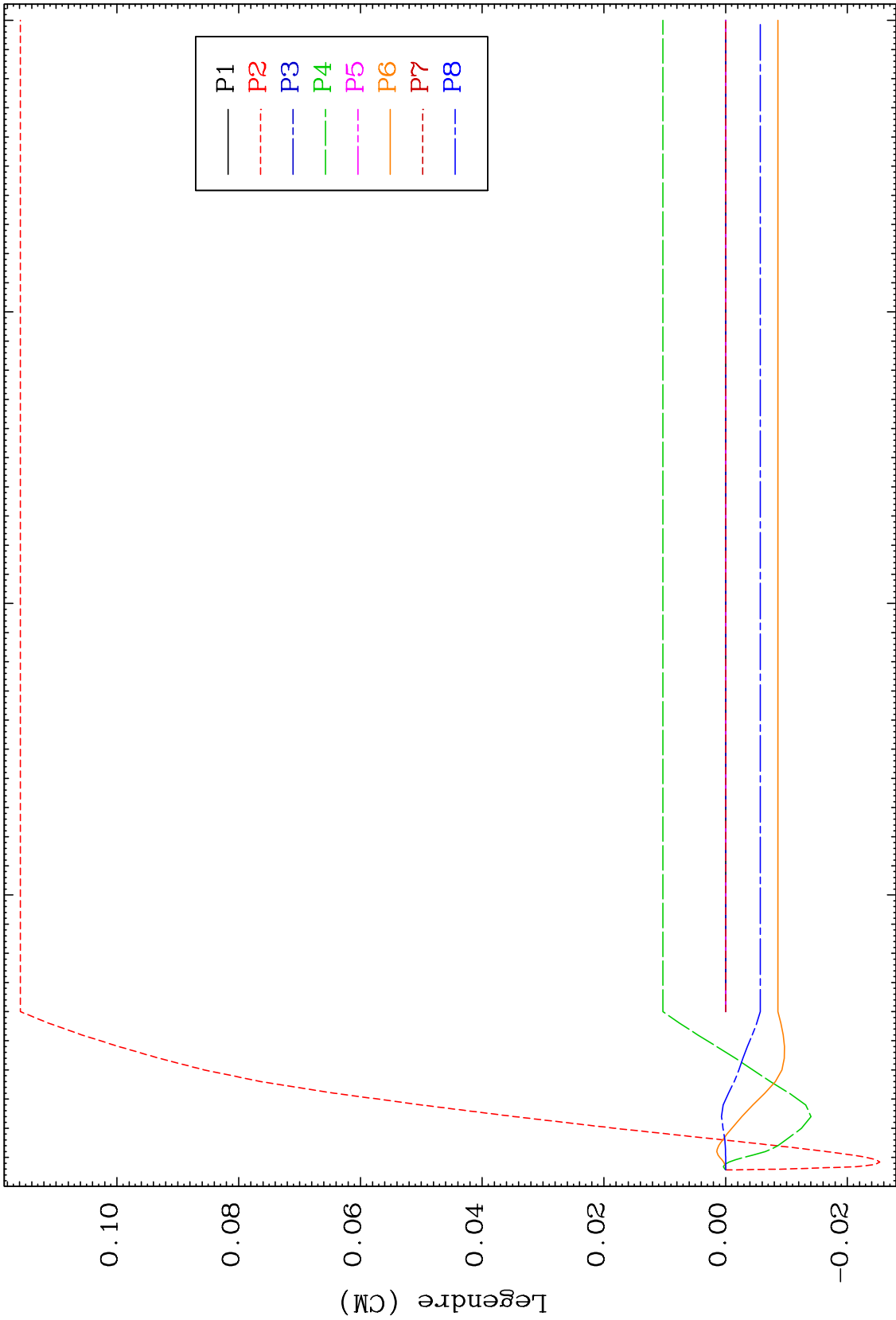
MAT 3049 MT= 63 (n,n') Level Legendre Coefficients 30-Zn-72



MAT 3049

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

30-Zn-72



62

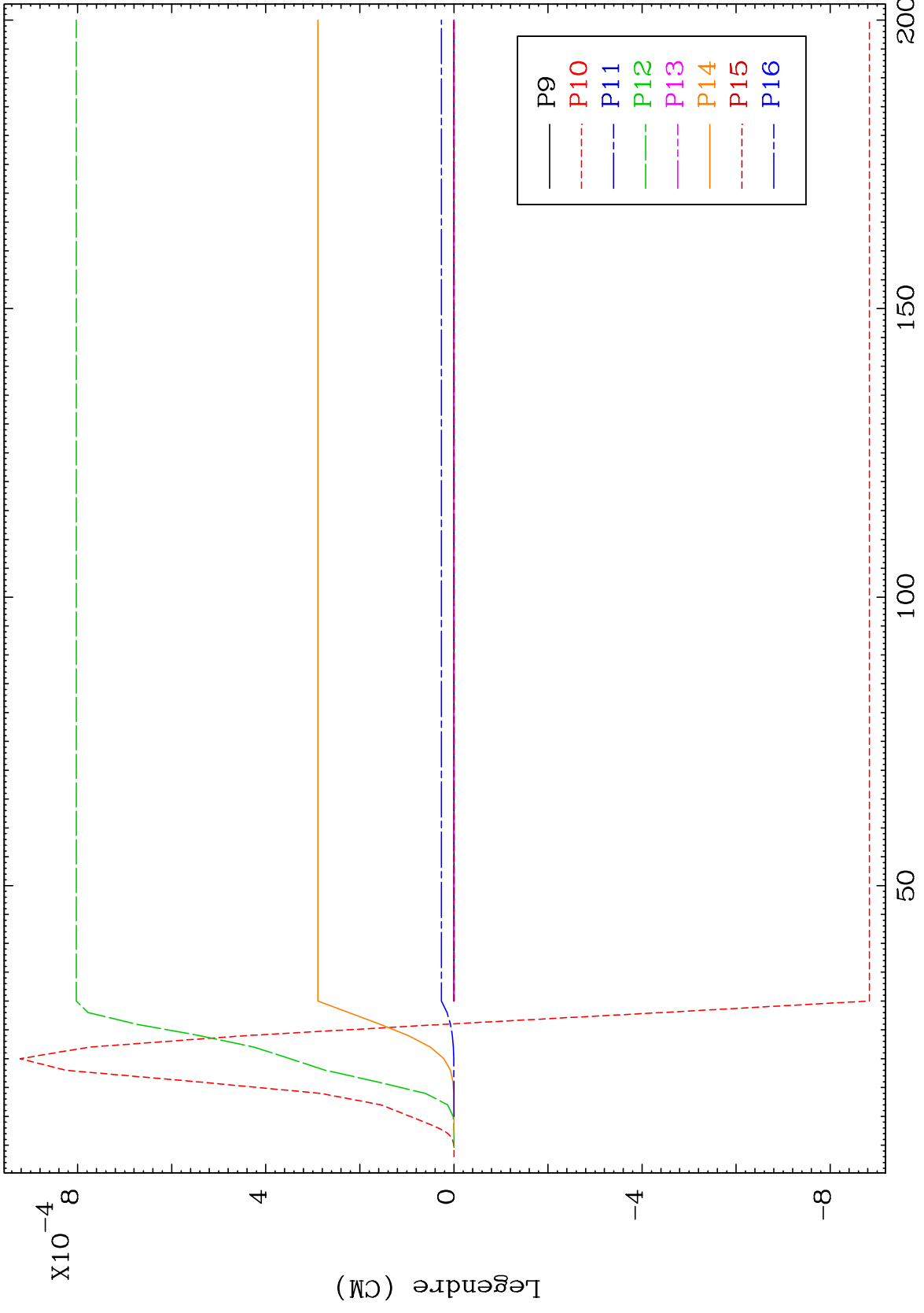
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

30-Zn-72



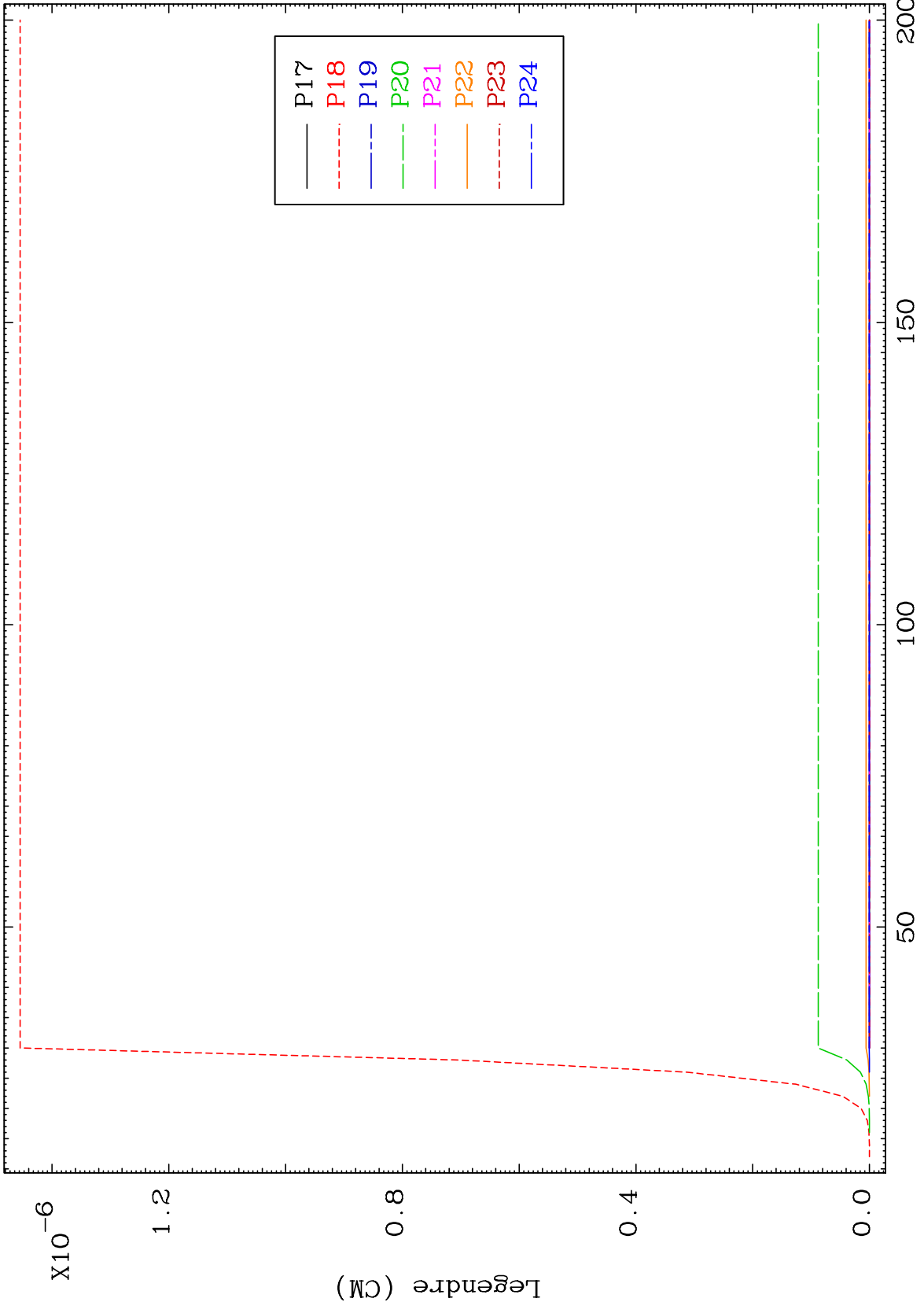
63

Incident Energy (MeV)

30-Zn-72



MAT 3049 MT= 64 (n,n') Level Legendre Coefficients 30-Zn-72

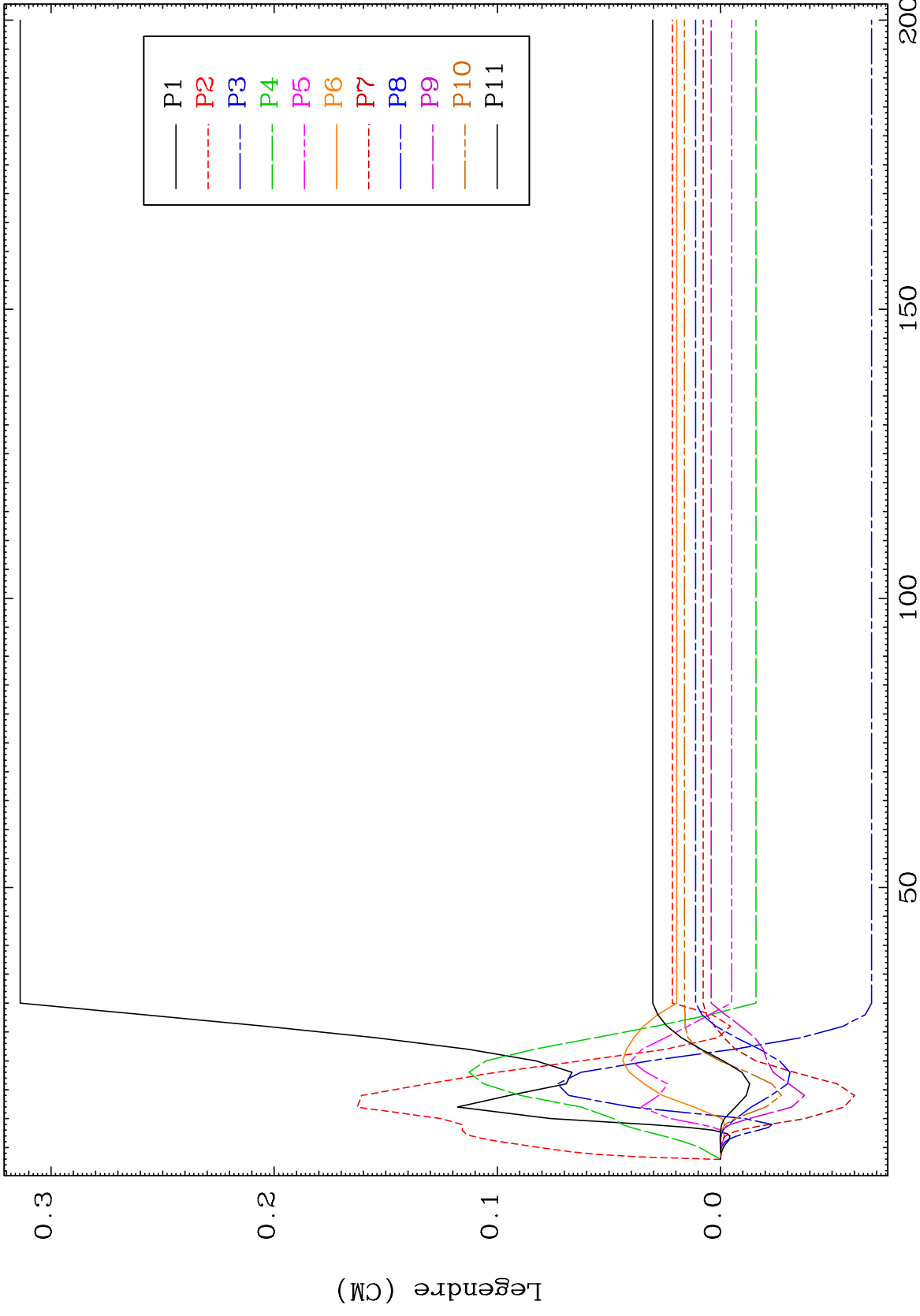


64 50 100 150 200 30-Zn-72

MAT 3049

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

30-Zn-72



65

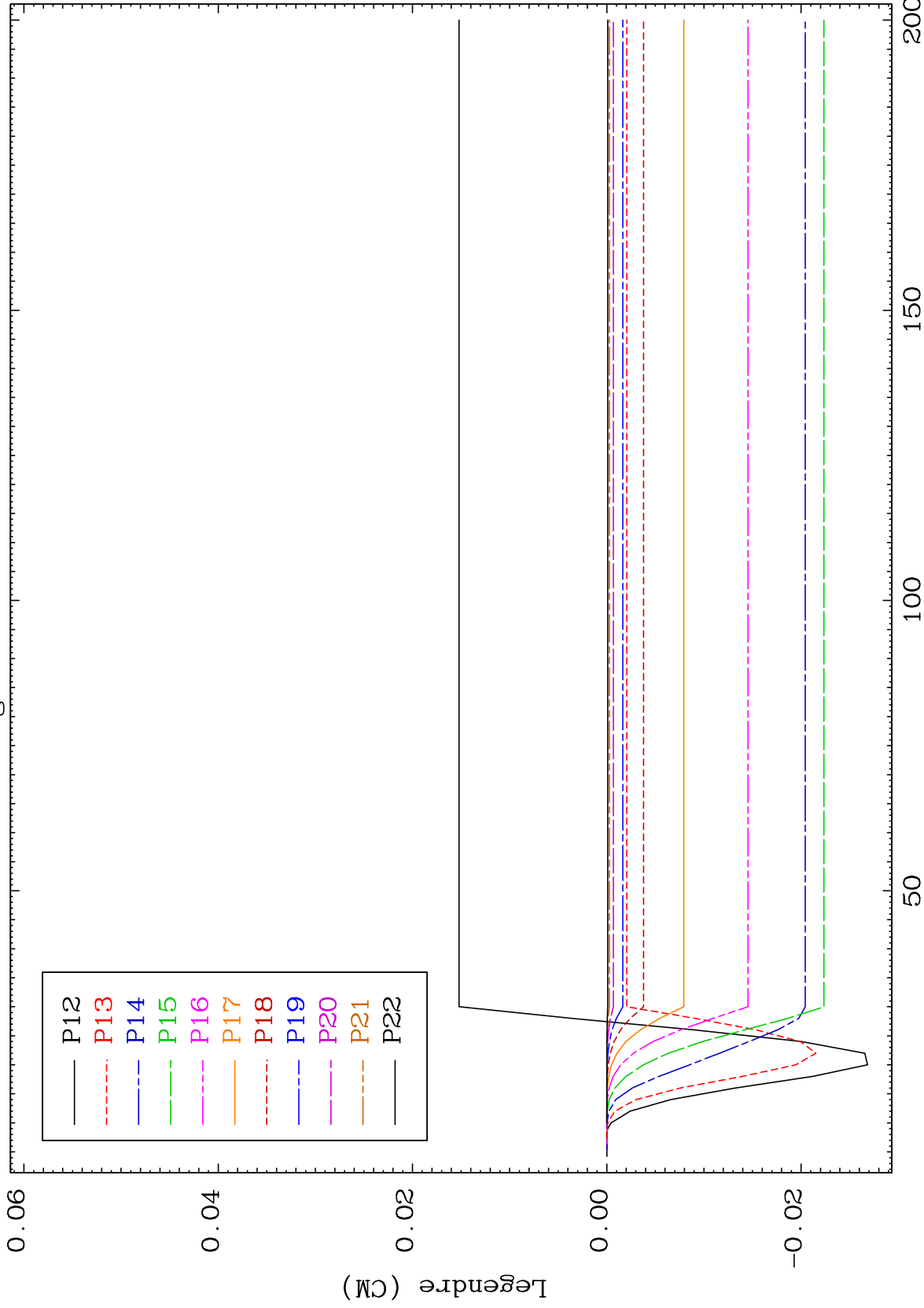
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

30-Zn-72

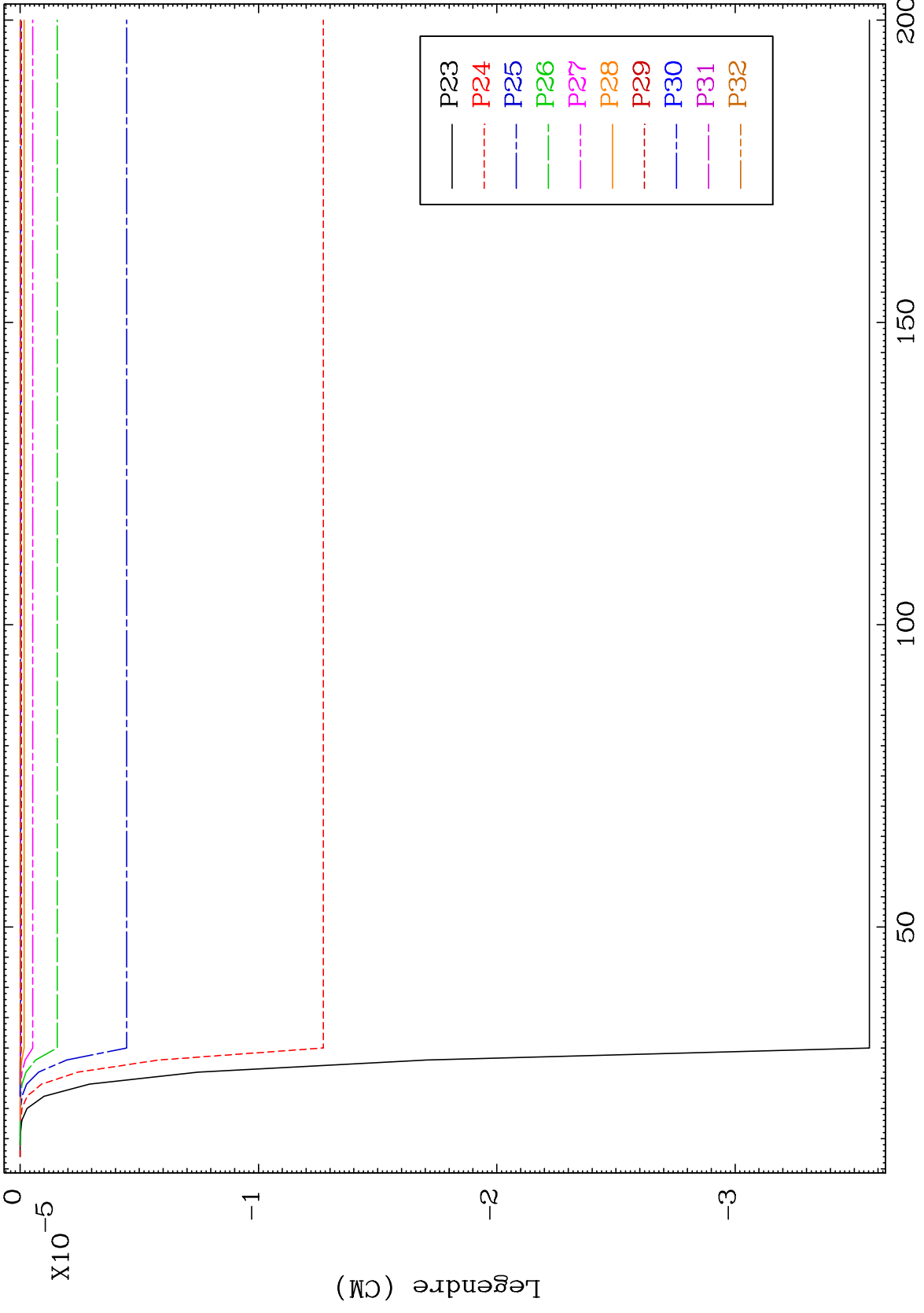


66

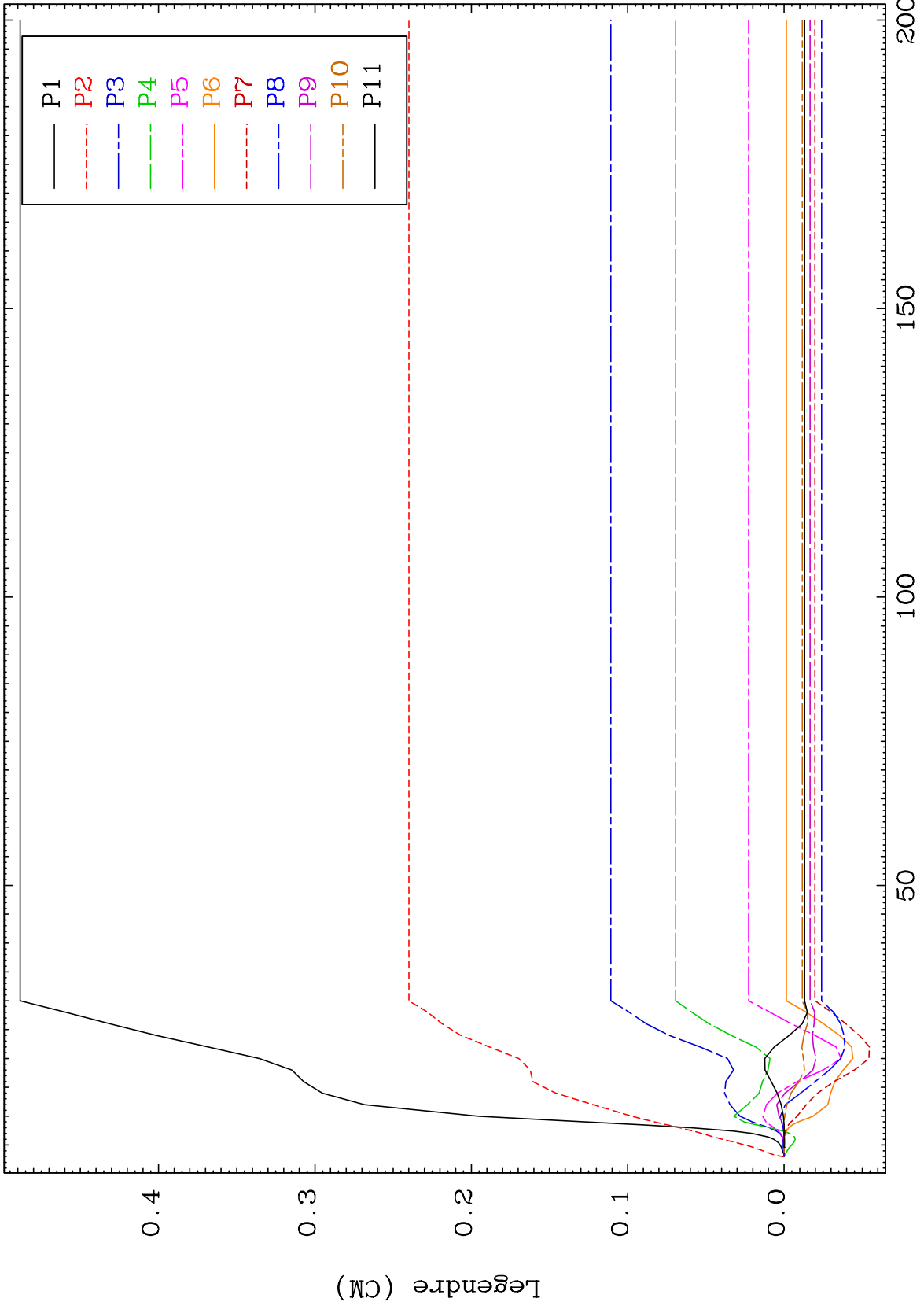
Incident Energy (MeV)

30-Zn-72

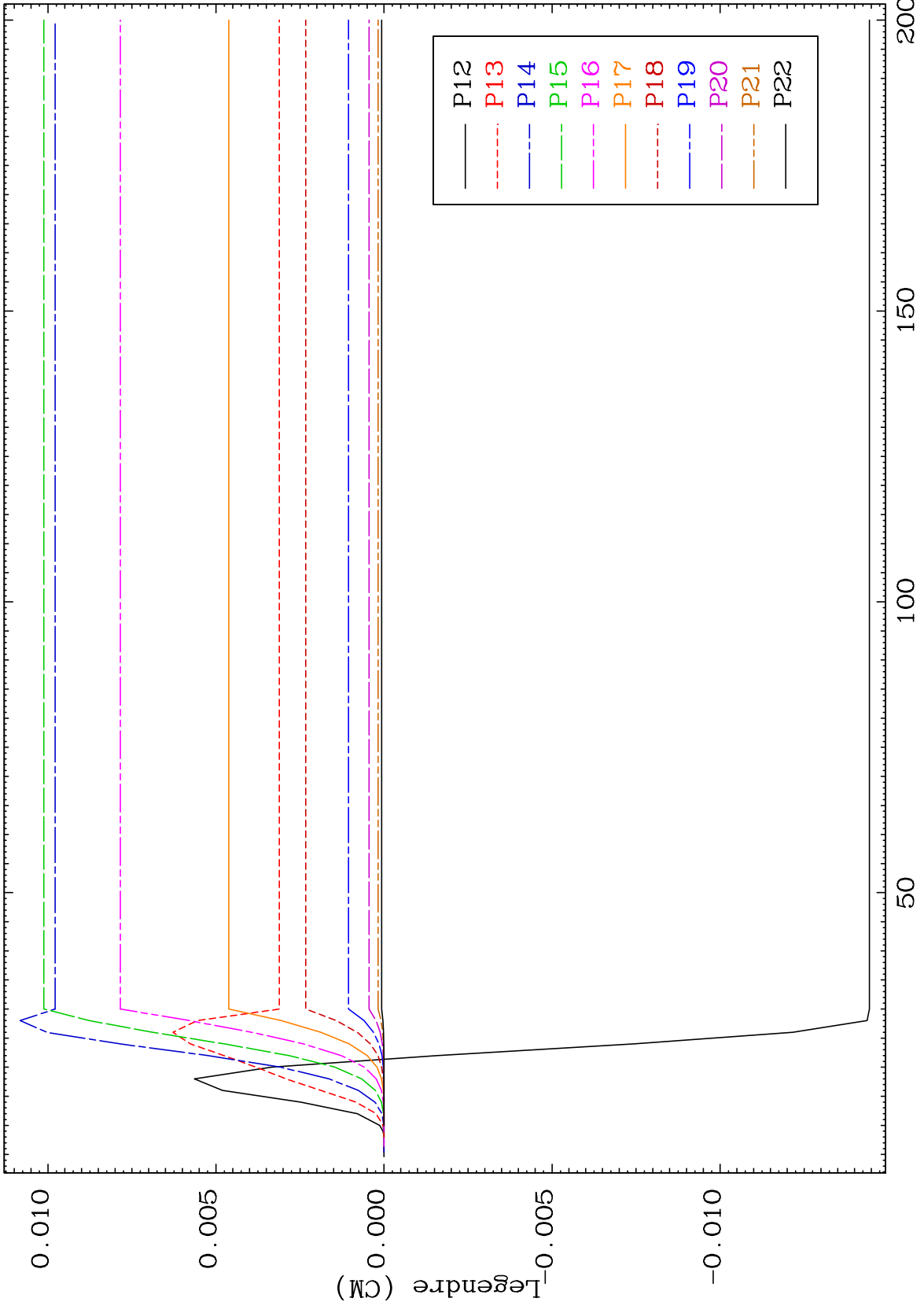
MAT 3049 MT= 65 (n,n') Level Legendre Coefficients 30-Zn-72



MAT 3049 MT= 66 (n,n') Level Legendre Coefficients 30-Zn-72



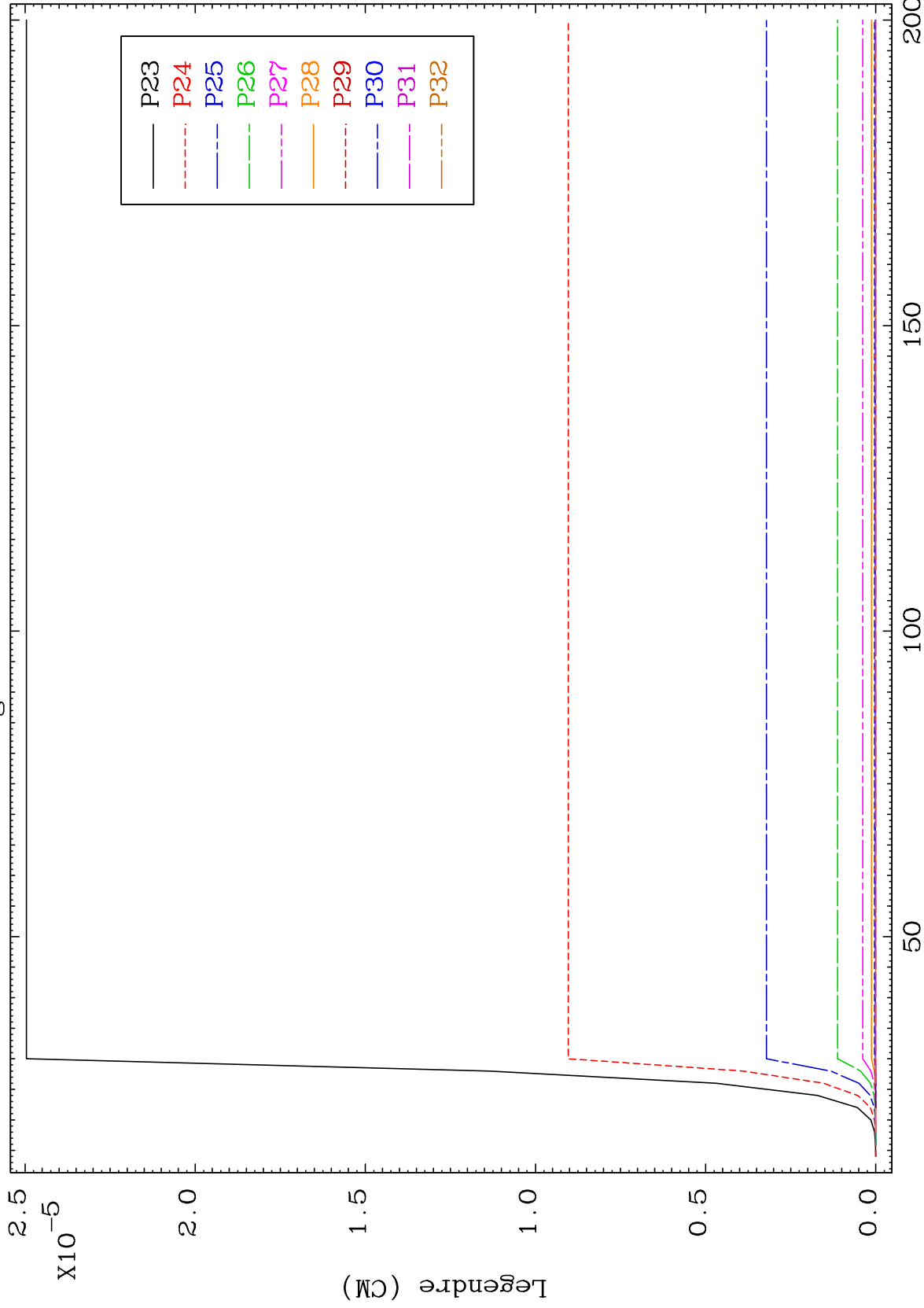
MAT 3049 MT= 66 (n,n') Level Legendre Coefficients 30-Zn-72



MAT 3049

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

30-Zn-72



70

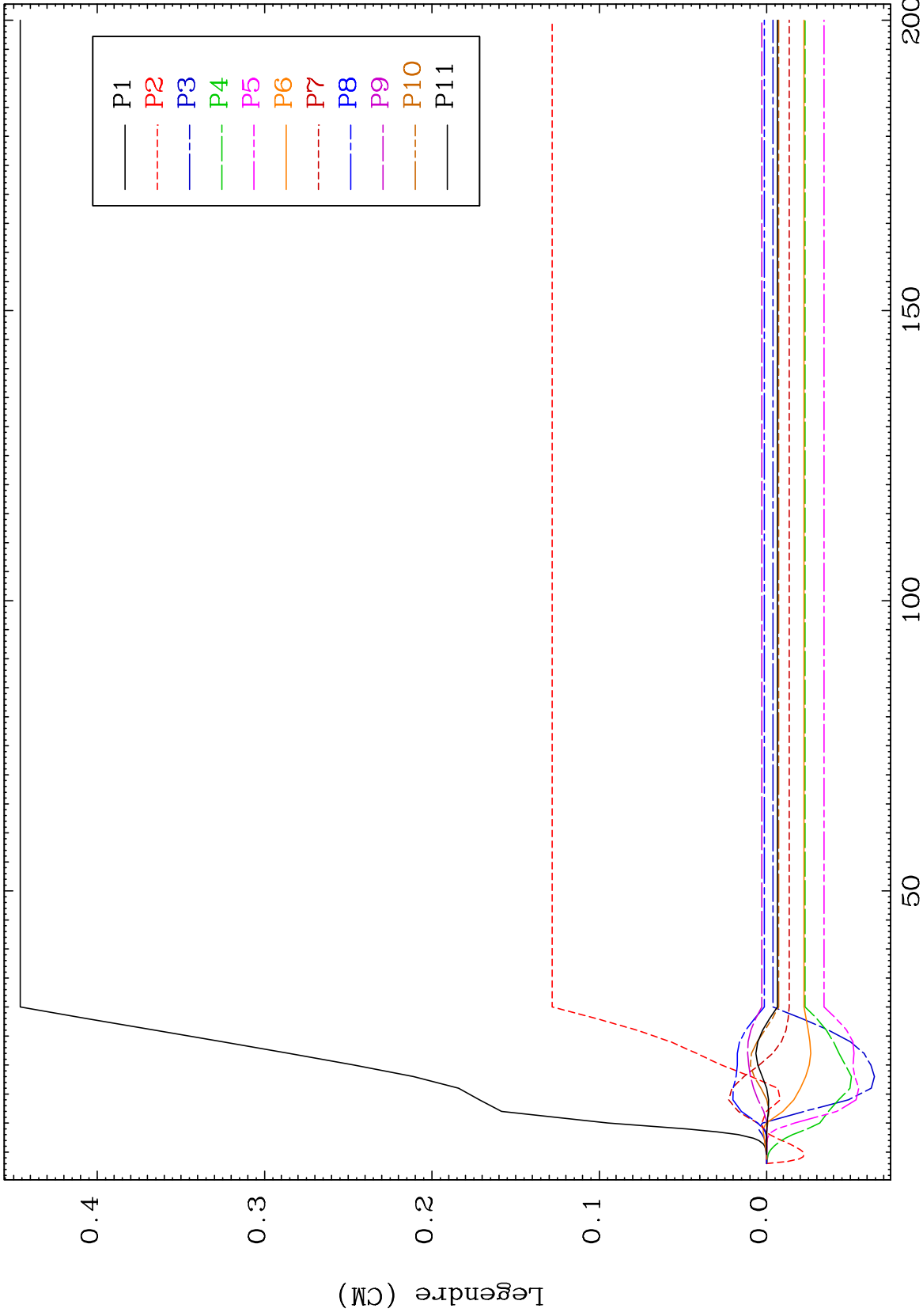
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

30-Zn-72



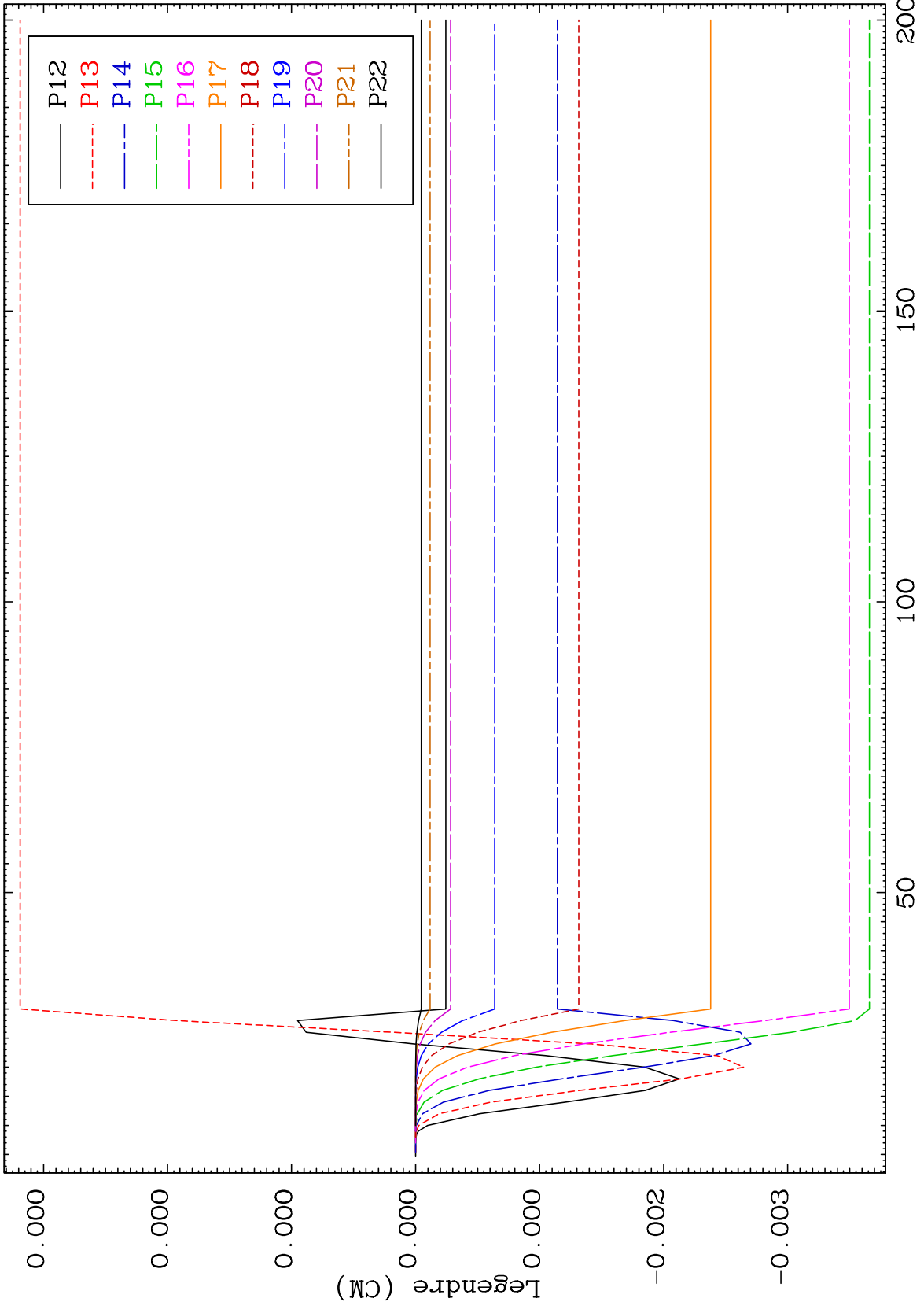
71

Incident Energy (MeV)

30-Zn-72



MAT 3049 MT= 67 (n,n') Level Legendre Coefficients 30-Zn-72

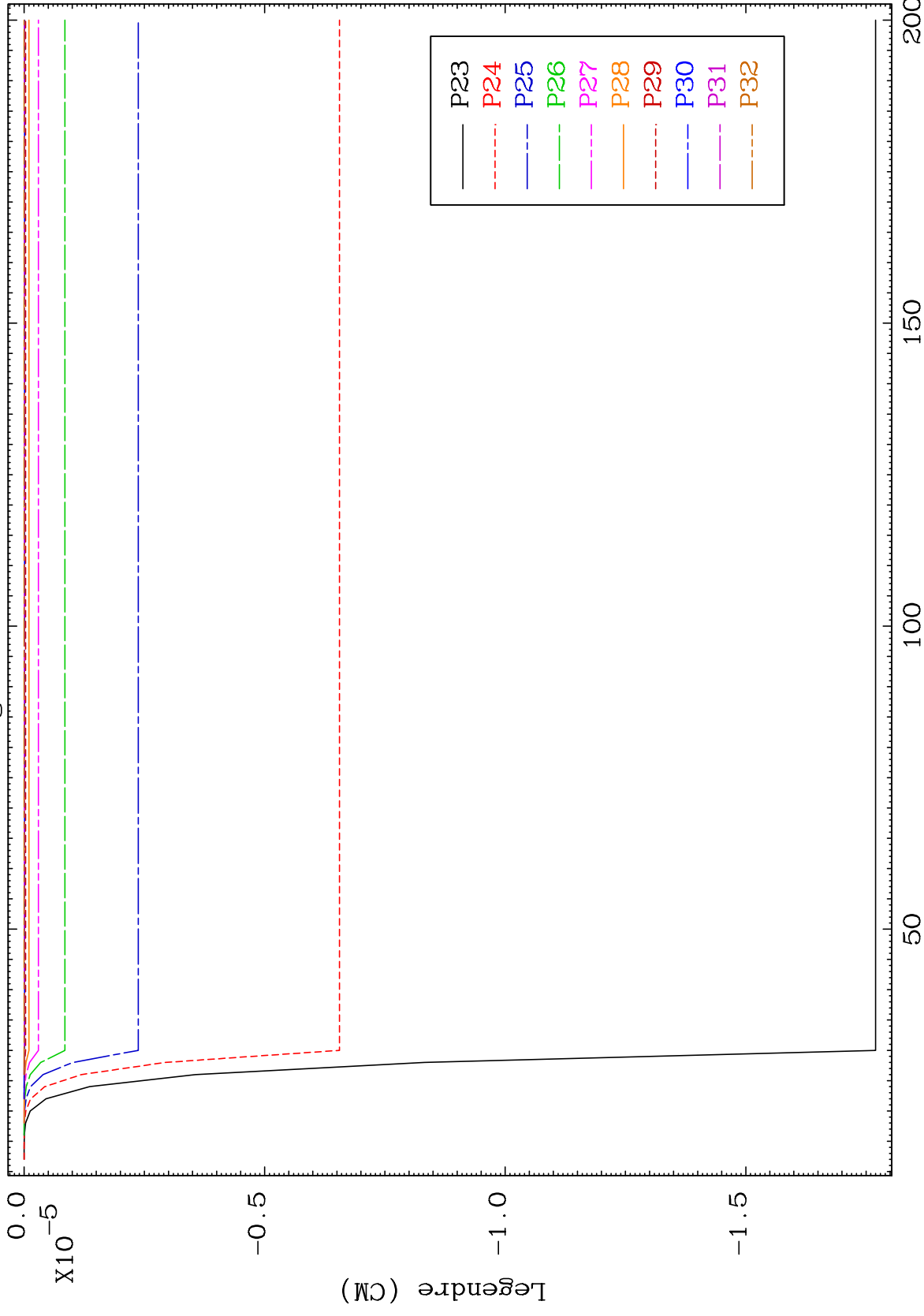


72 30-Zn-72

MAT 3049

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

30-Zn-72



30-Zn-72

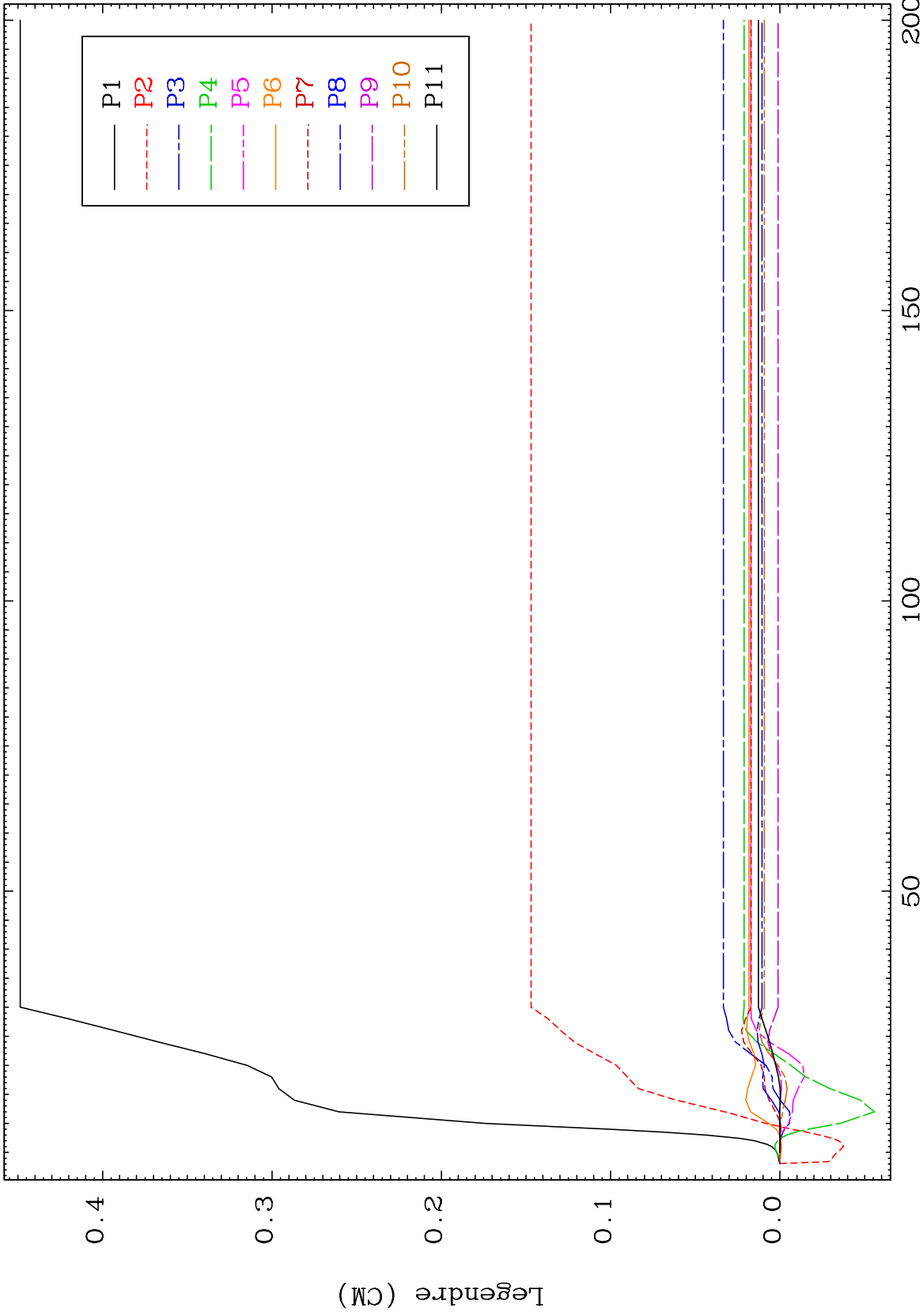
Incident Energy (MeV)

73

MAT 3049

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

30-Zn-72



74

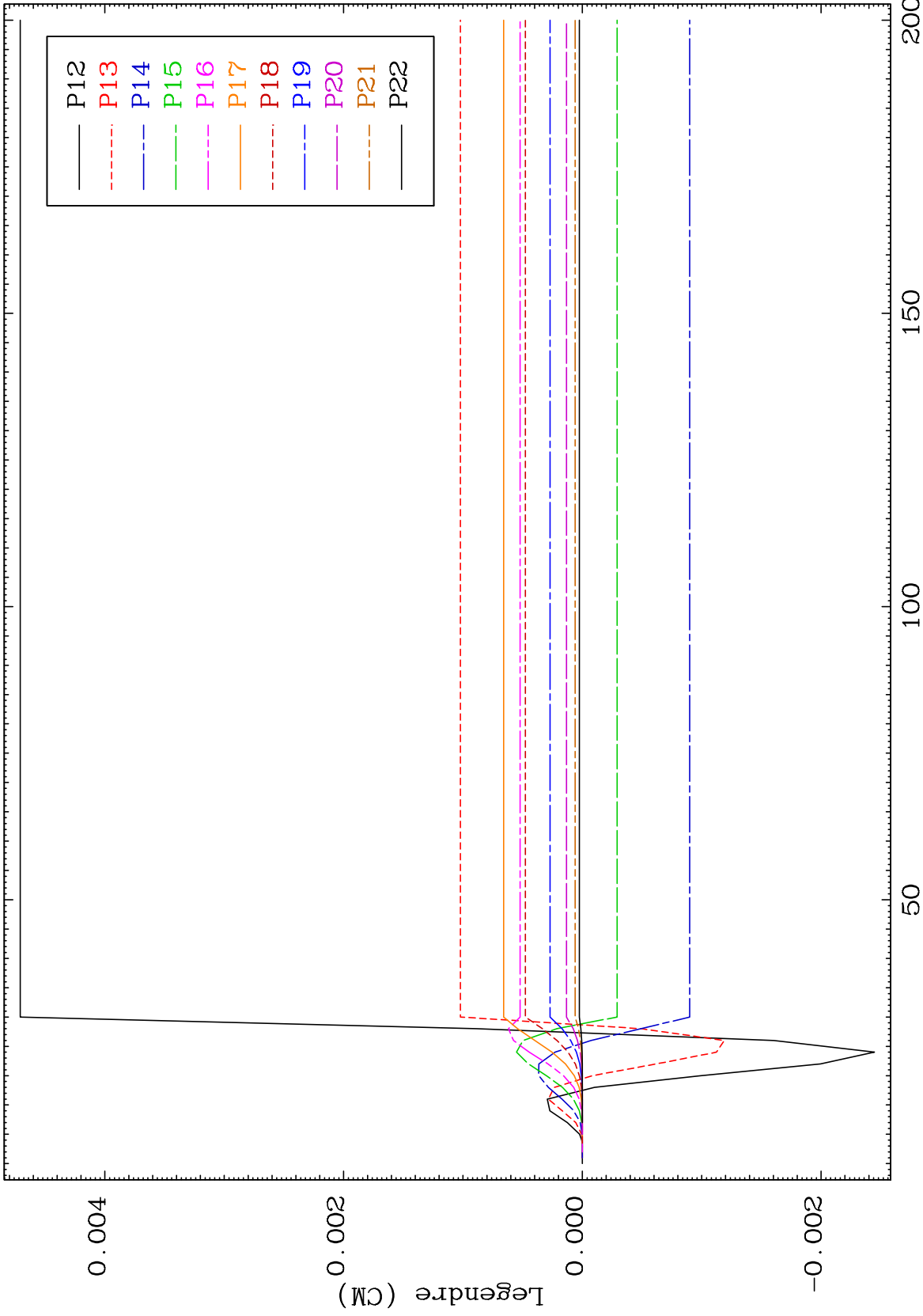
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

30-Zn-72



75

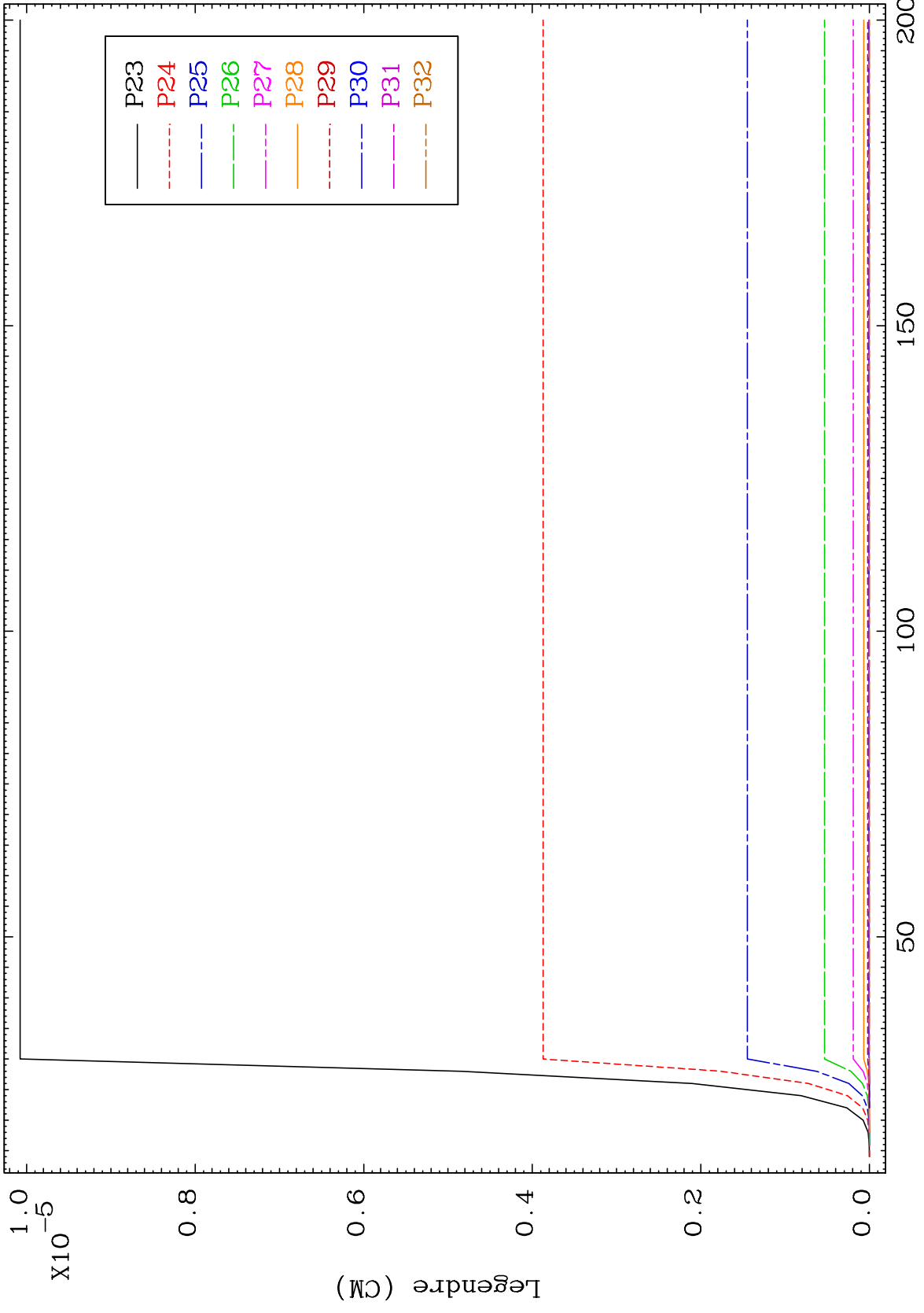
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

30-Zn-72

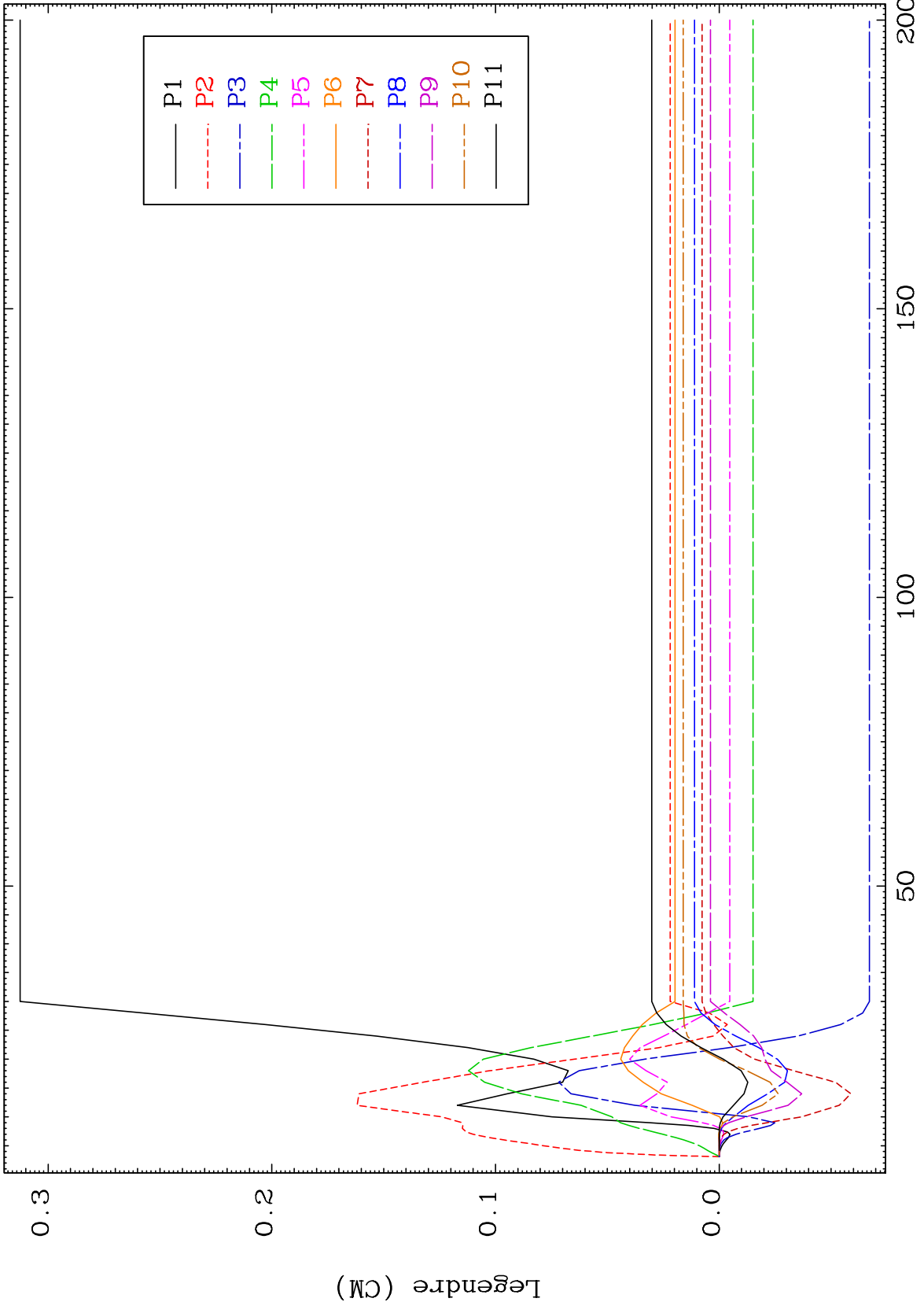


76

Incident Energy (MeV)

30-Zn-72

MAT 3049 MT= 69 (n,n') Level Legendre Coefficients 30-Zn-72

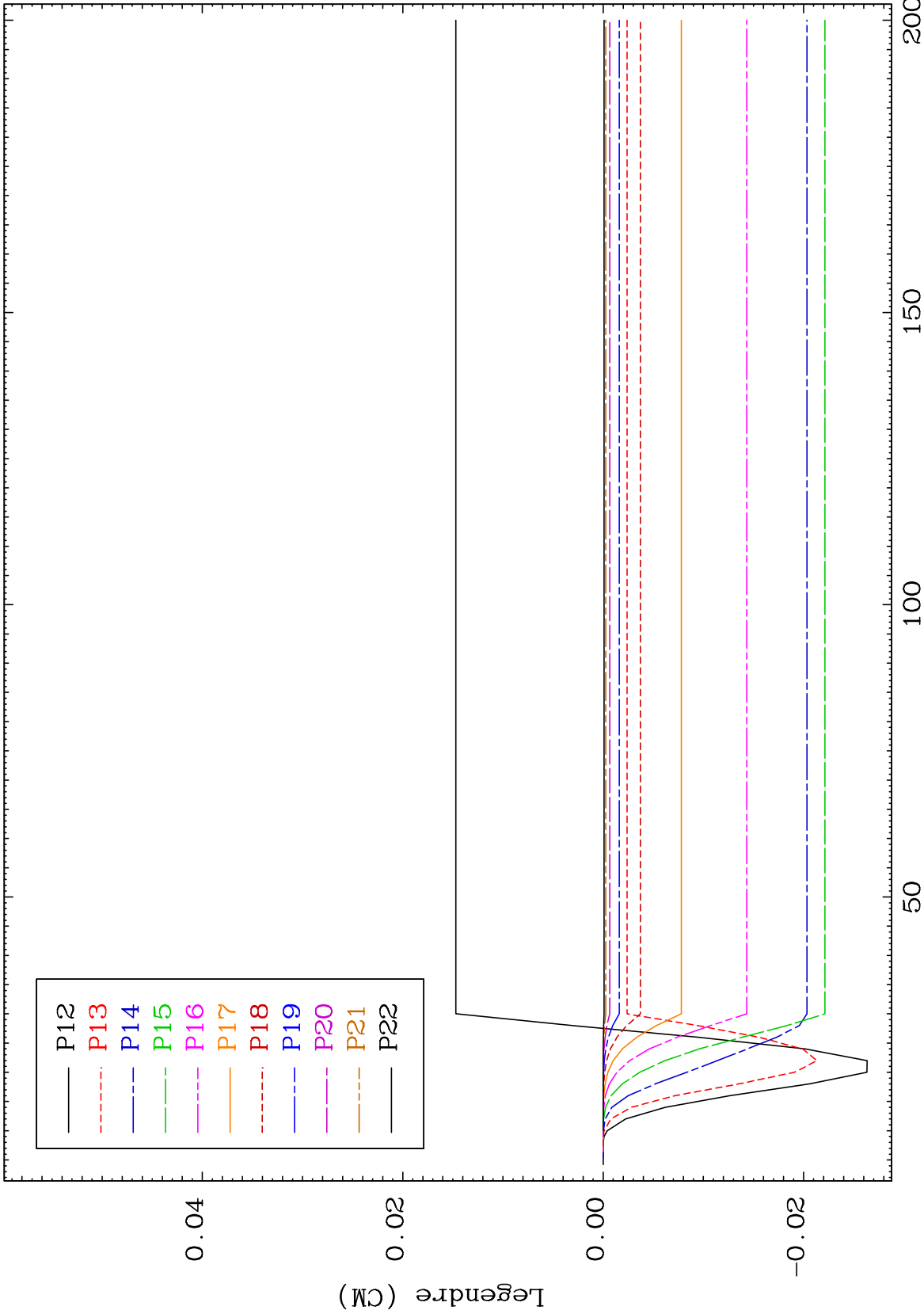


77 30-Zn-72

MAT 3049

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

30-Zn-72

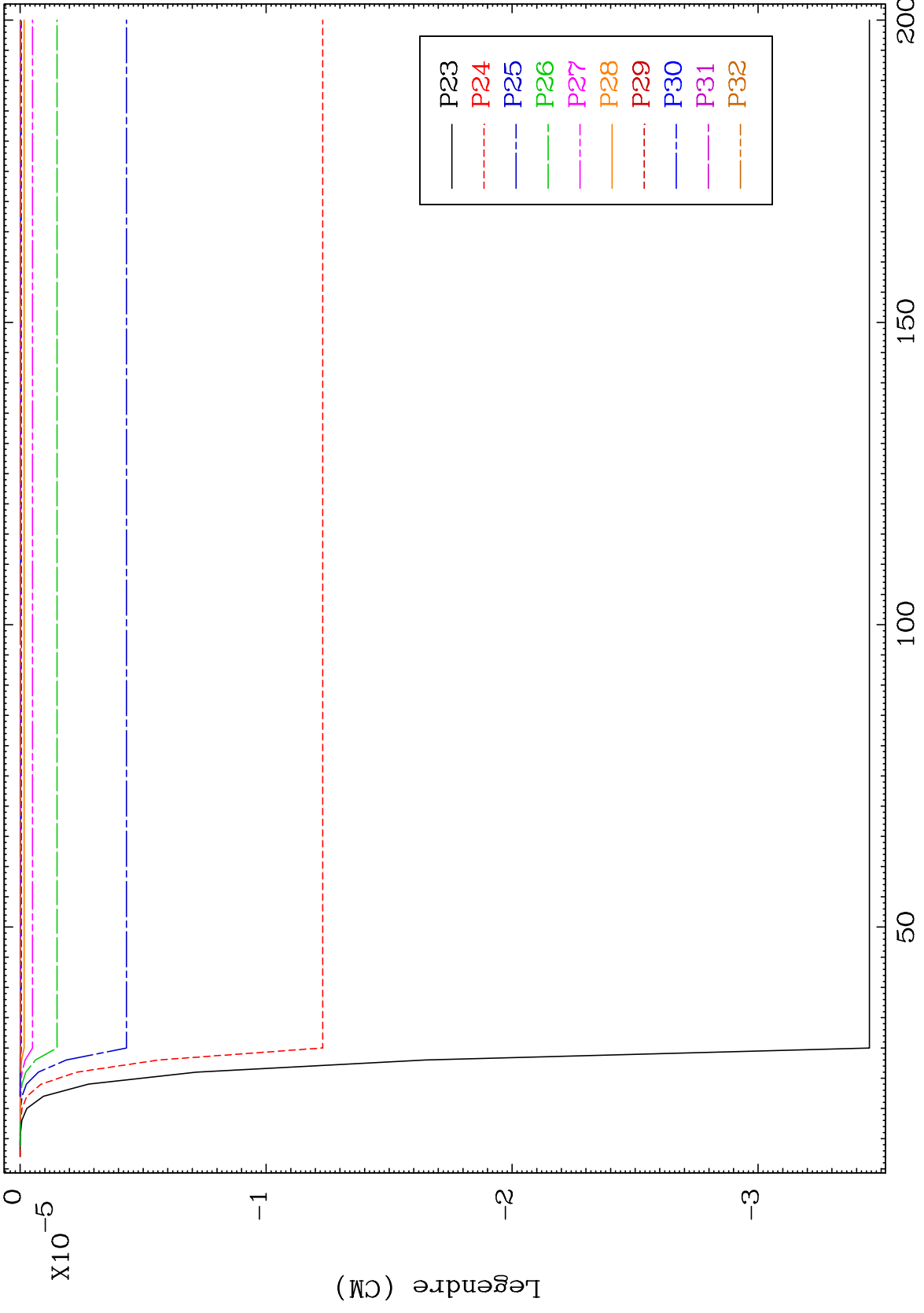


78

Incident Energy (MeV)

30-Zn-72

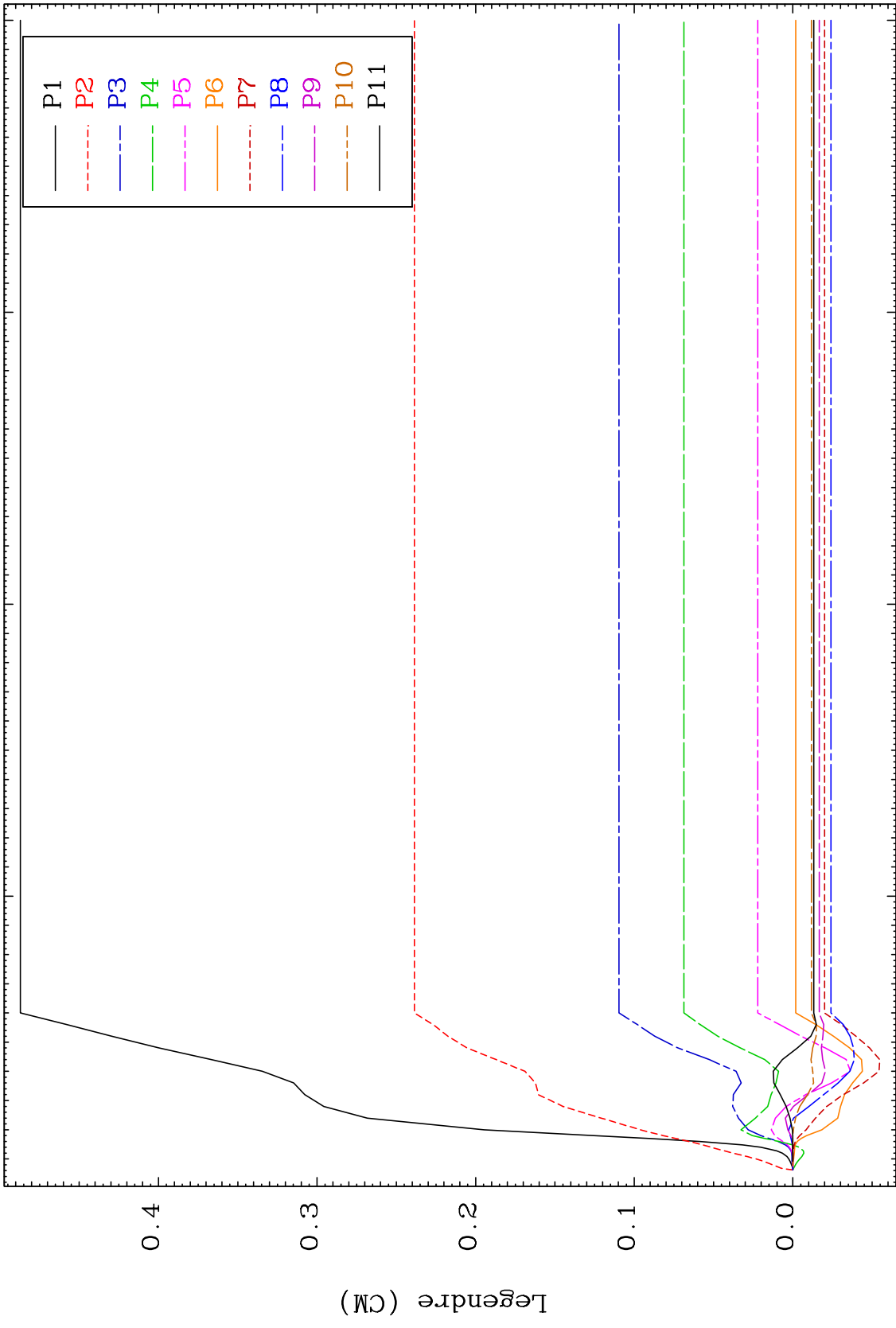
MAT 3049 MT= 69 (n,n') Level Legendre Coefficients 30-Zn-72



79 30-Zn-72



MAT 3049 MT= 70 (n,n') Level Legendre Coefficients 30-Zn-72

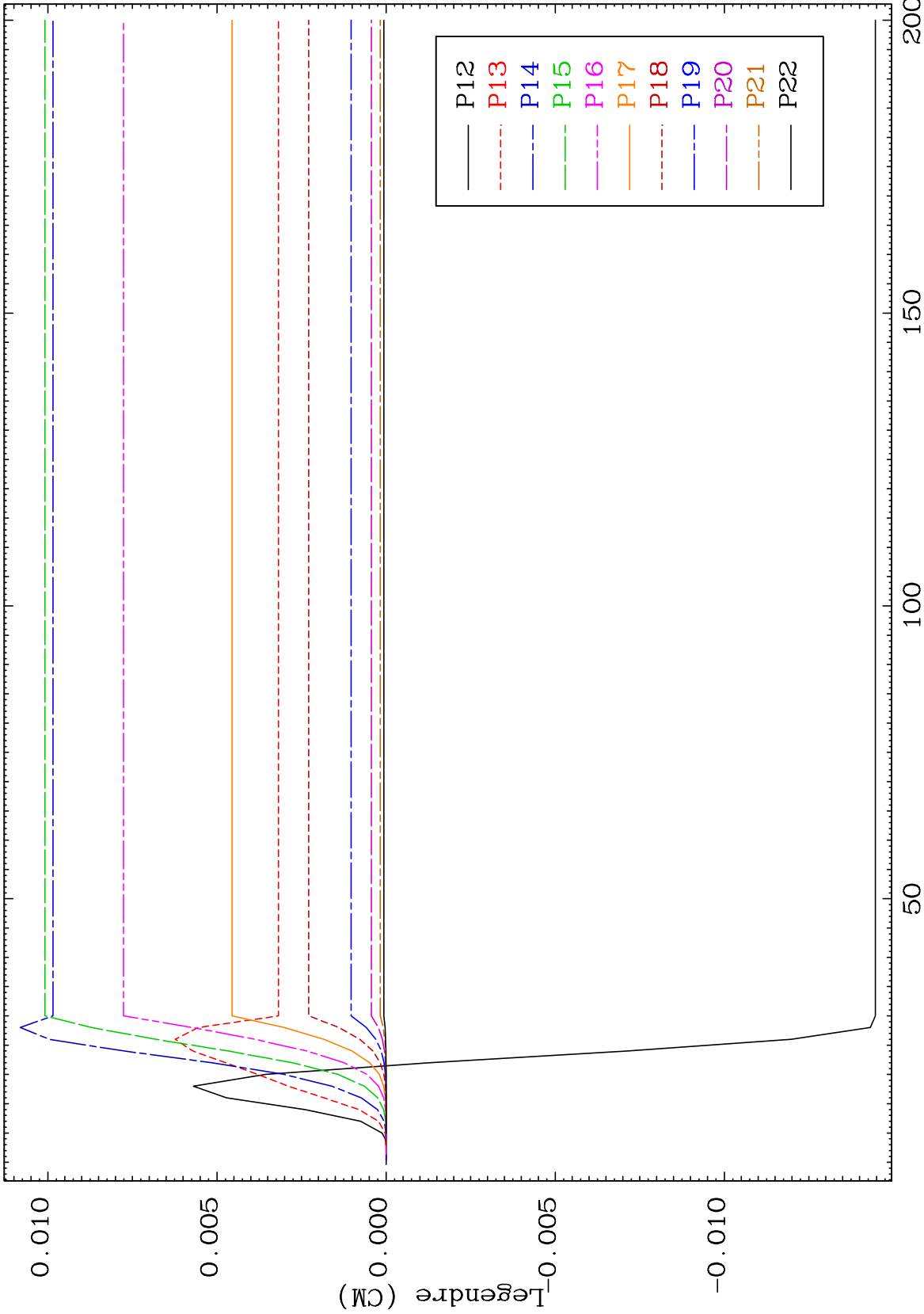


80 50 100 150 200 Incident Energy (MeV) 30-Zn-72

MAT 3049

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

30-Zn-72



81

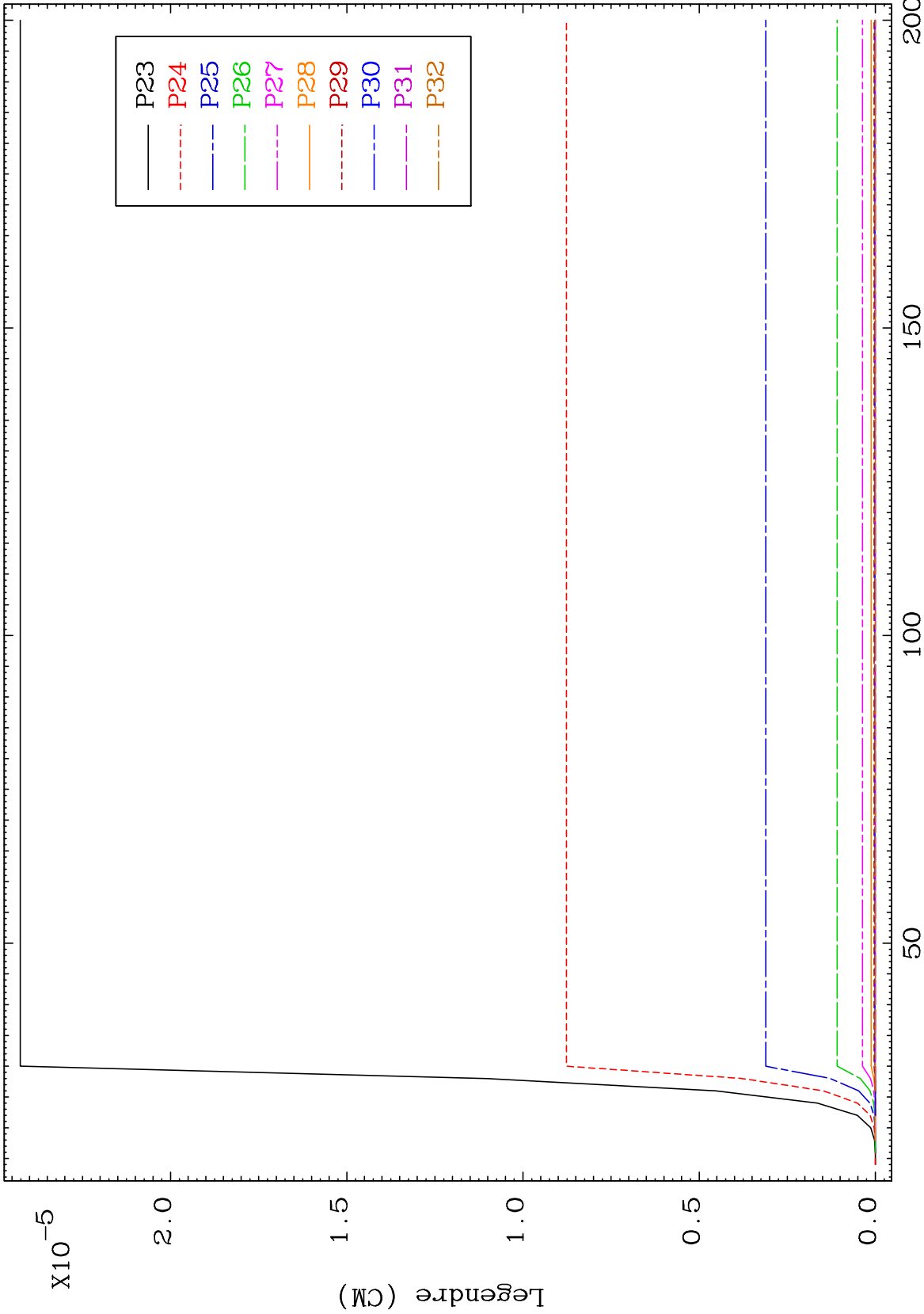
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

30-Zn-72



82

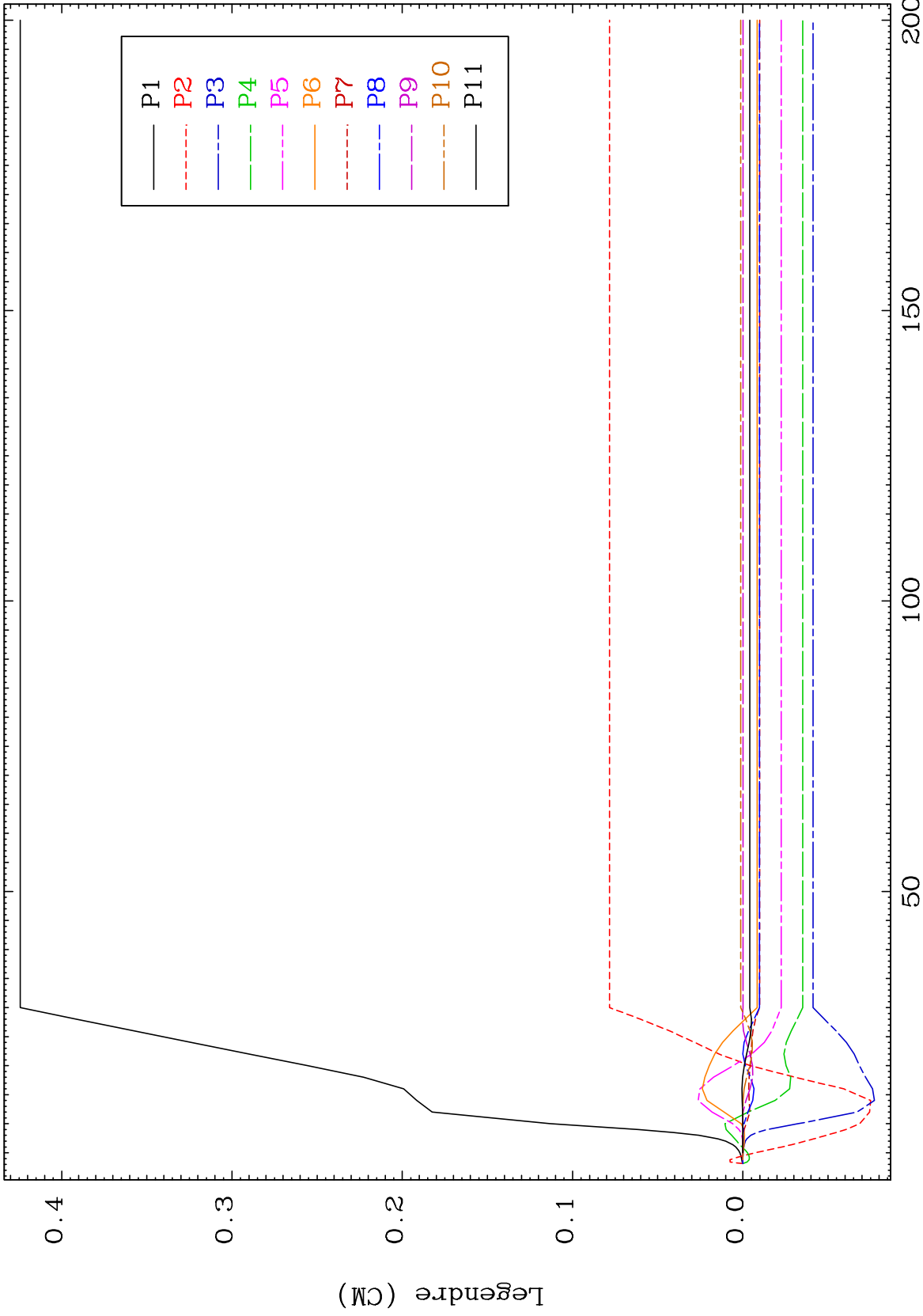
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

30-Zn-72

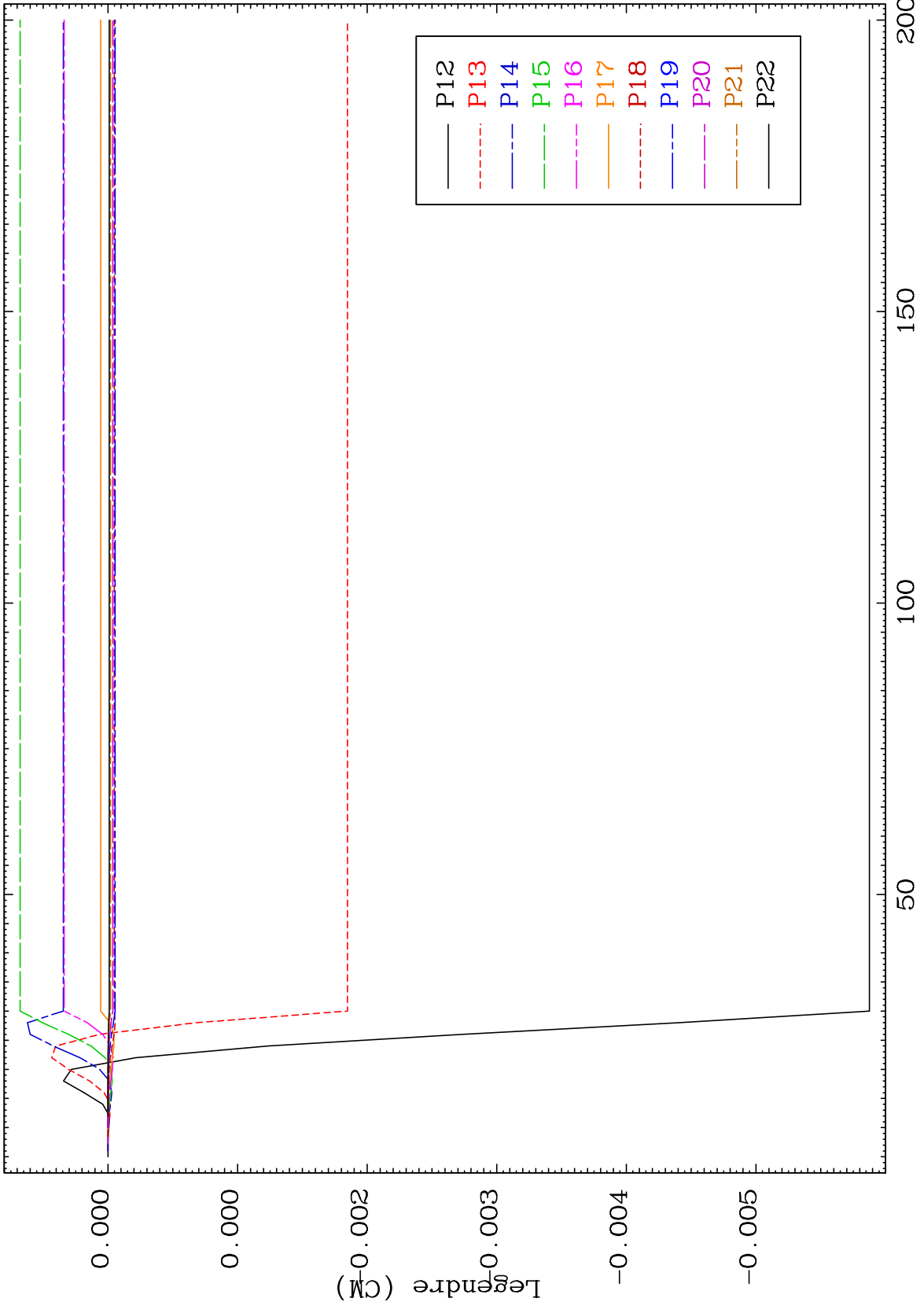


83

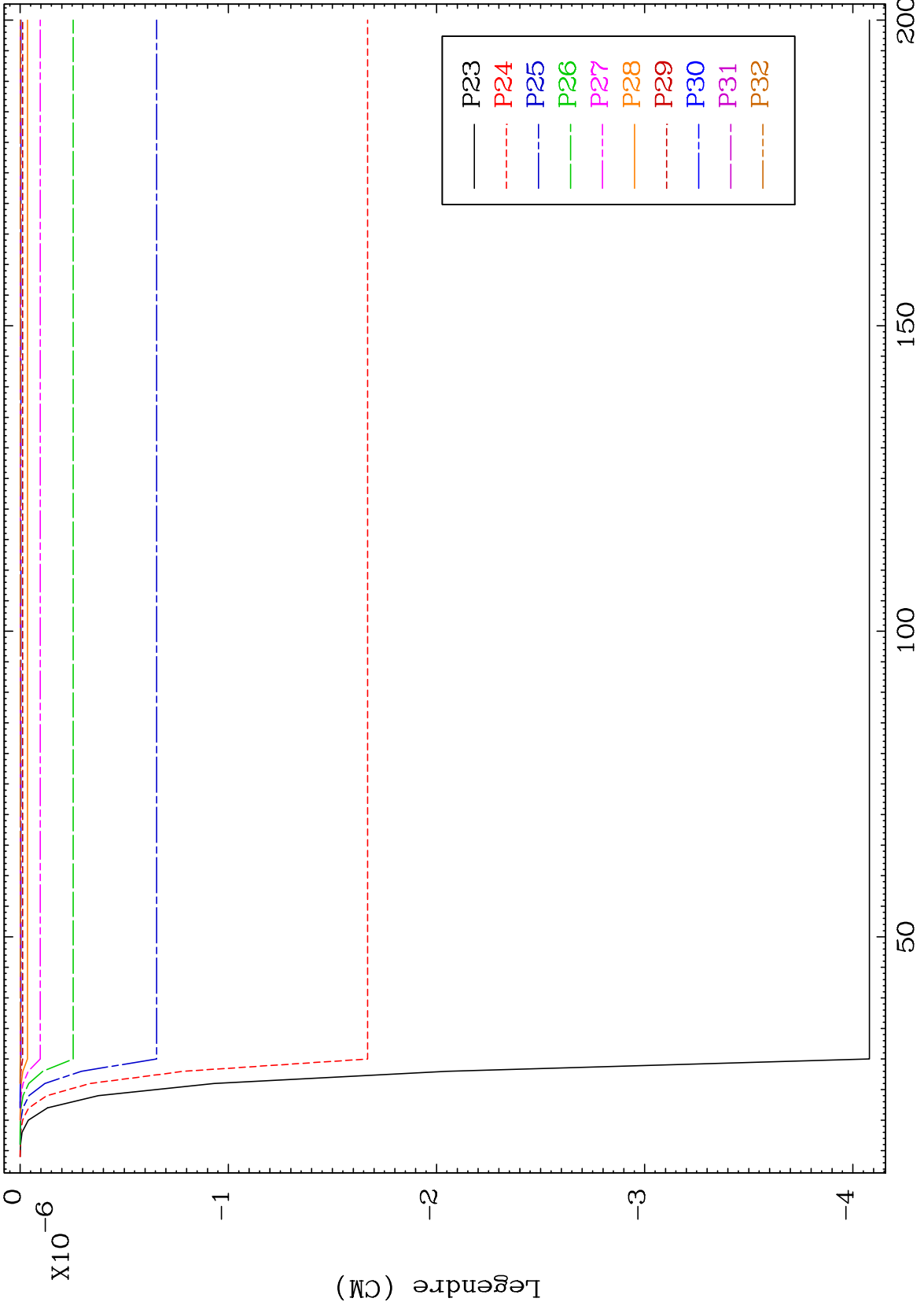
Incident Energy (MeV)

30-Zn-72

MAT 3049 MT= 71 (n,n') Level Legendre Coefficients 30-Zn-72

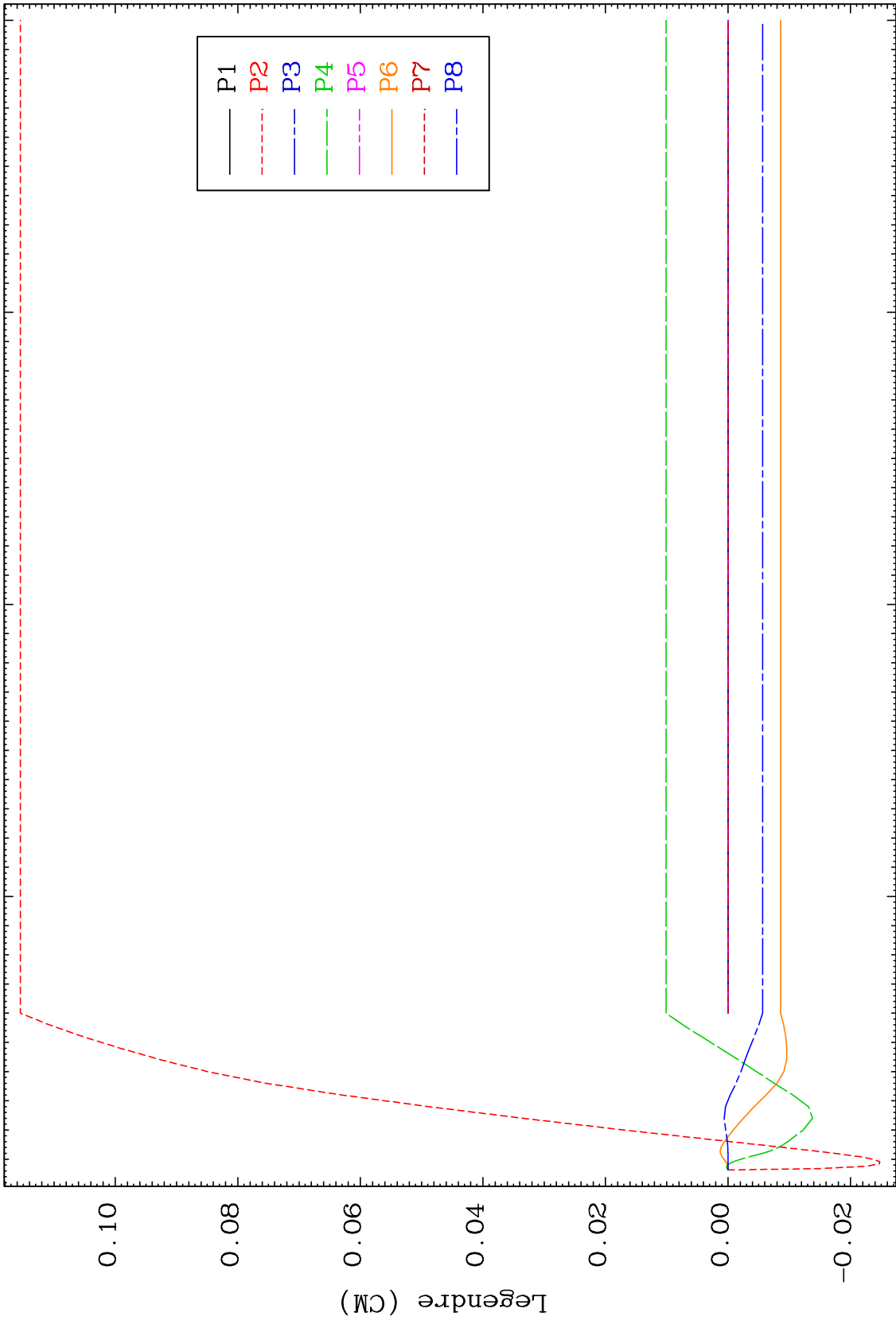


MAT 3049 MT= 71 (n,n') Level Legendre Coefficients 30-Zn-72



85 Incident Energy (MeV) 30-Zn-72

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

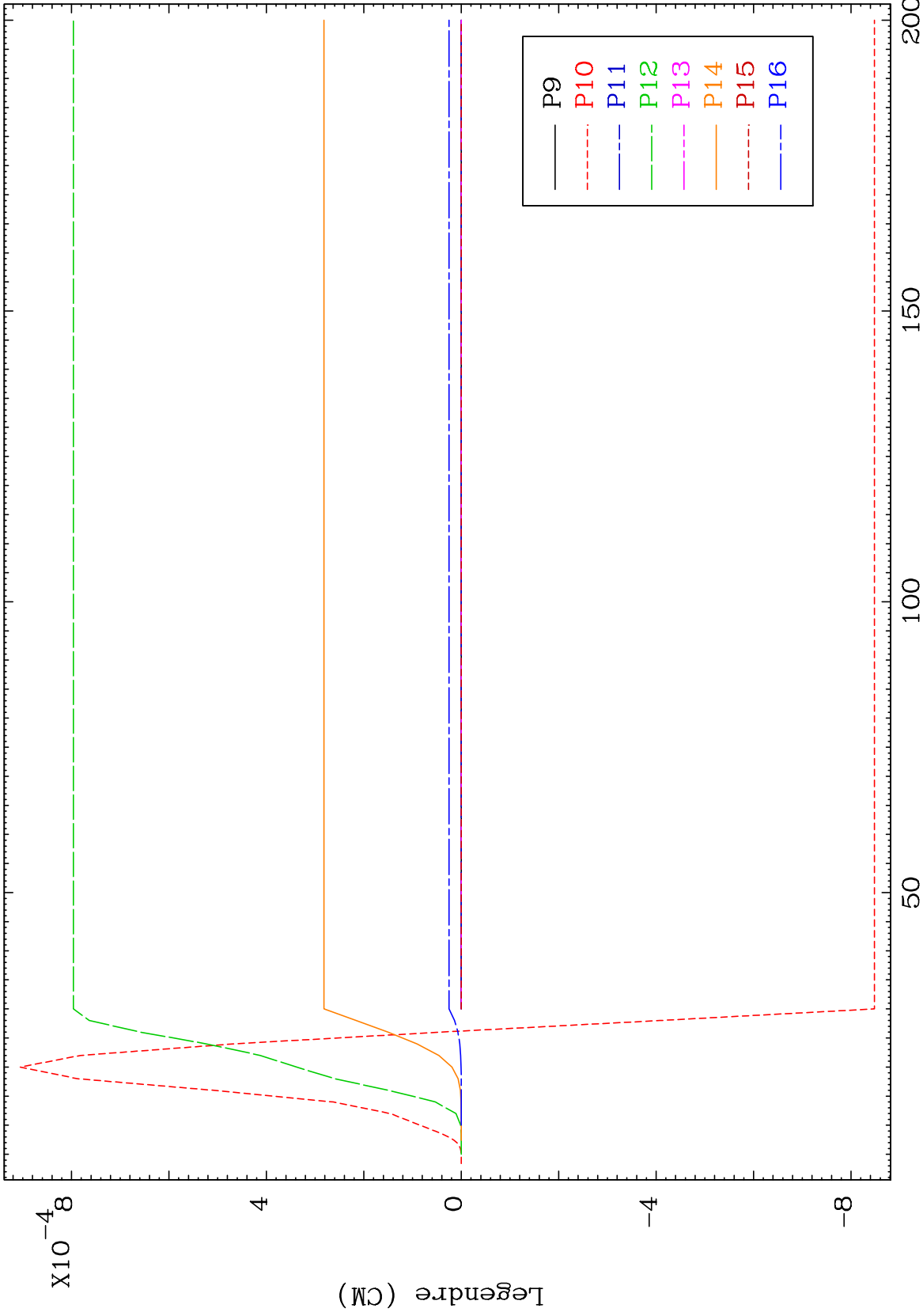


86 Incident Energy (MeV) 30-Zn-72

MAT 3049

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

30-Zn-72



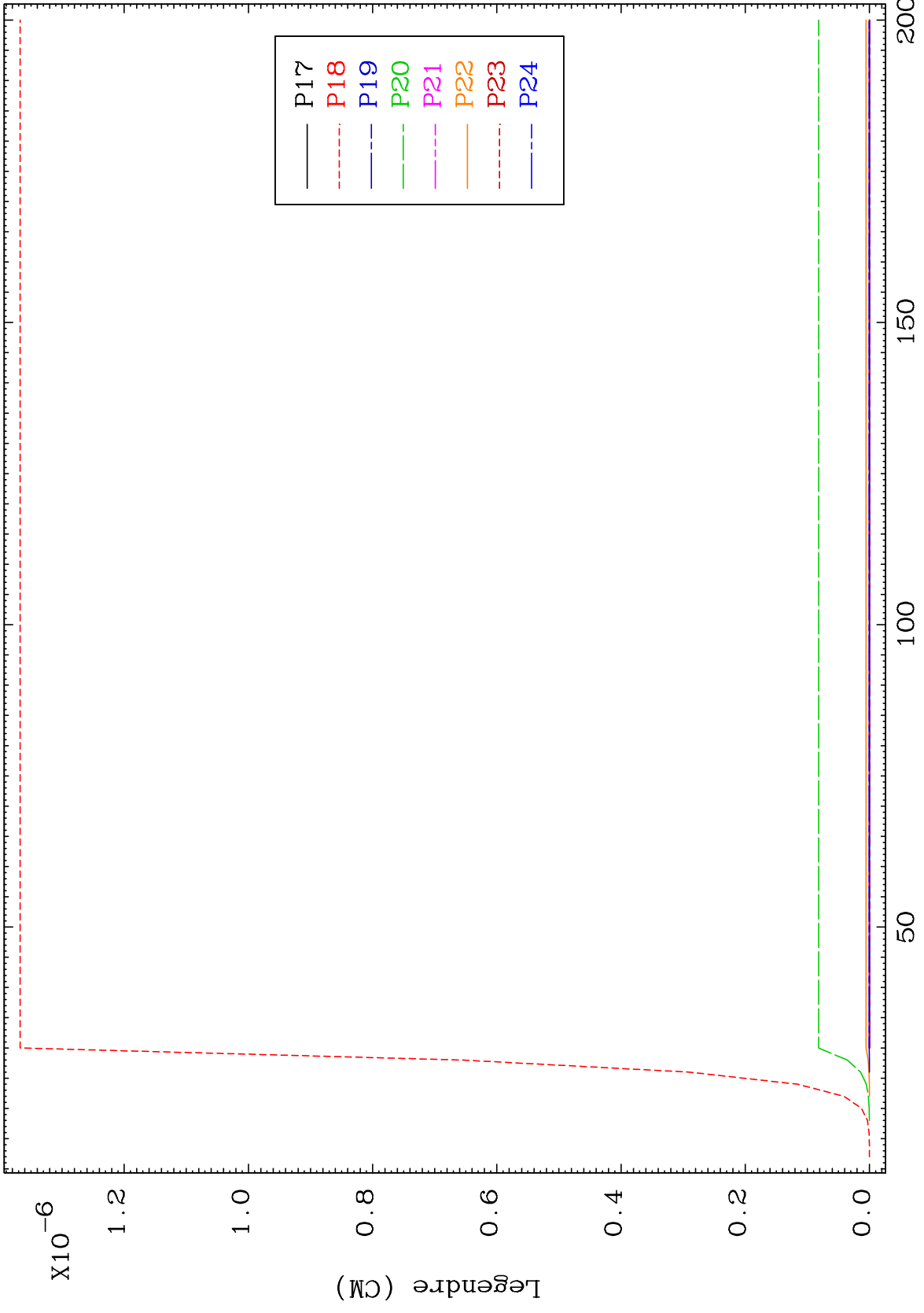
87

Incident Energy (MeV)

30-Zn-72



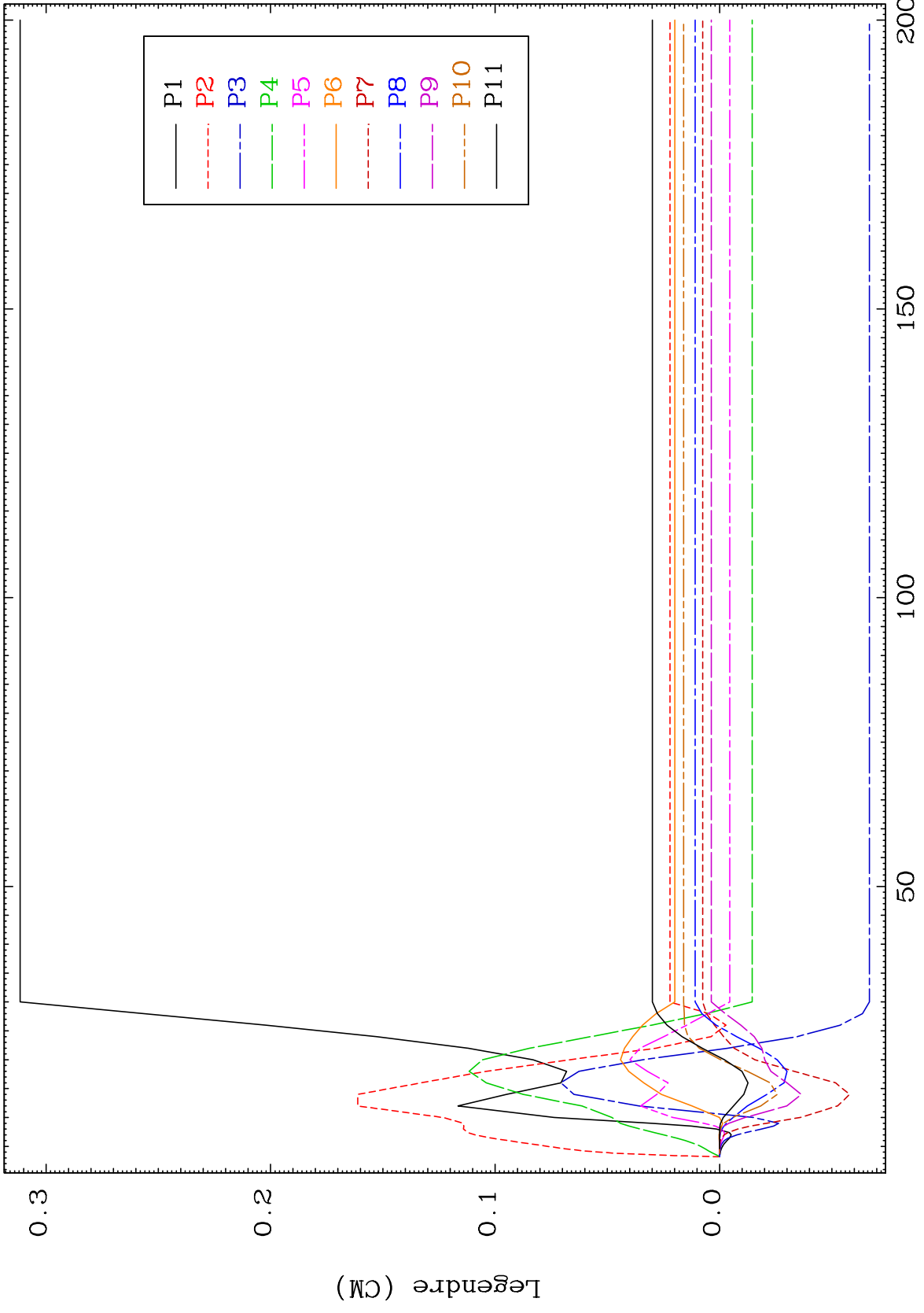
MAT 3049 MT= 72 (n,n') Level Legendre Coefficients 30-Zn-72



MAT 3049

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

30-Zn-72



89

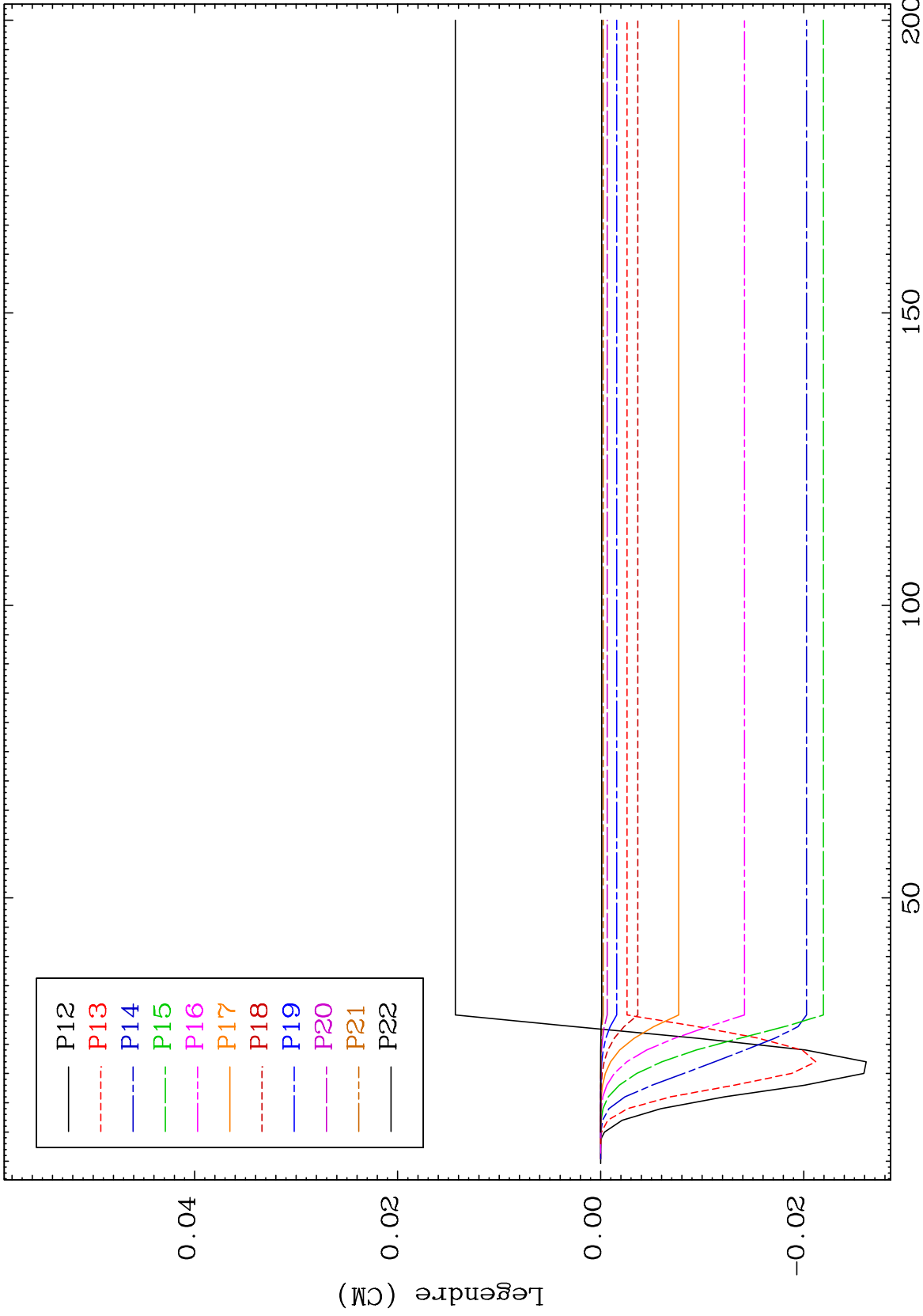
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

30-Zn-72

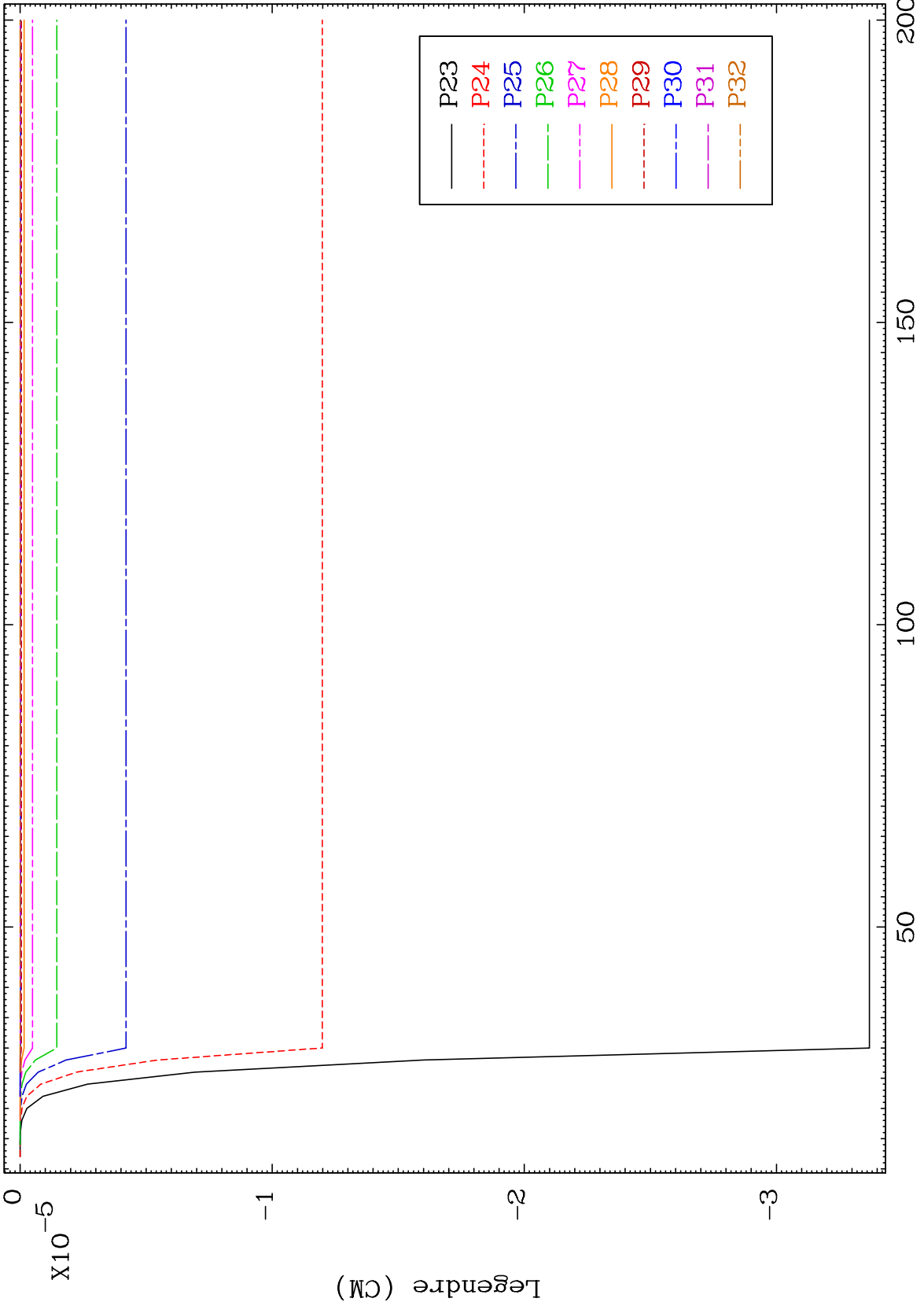


90

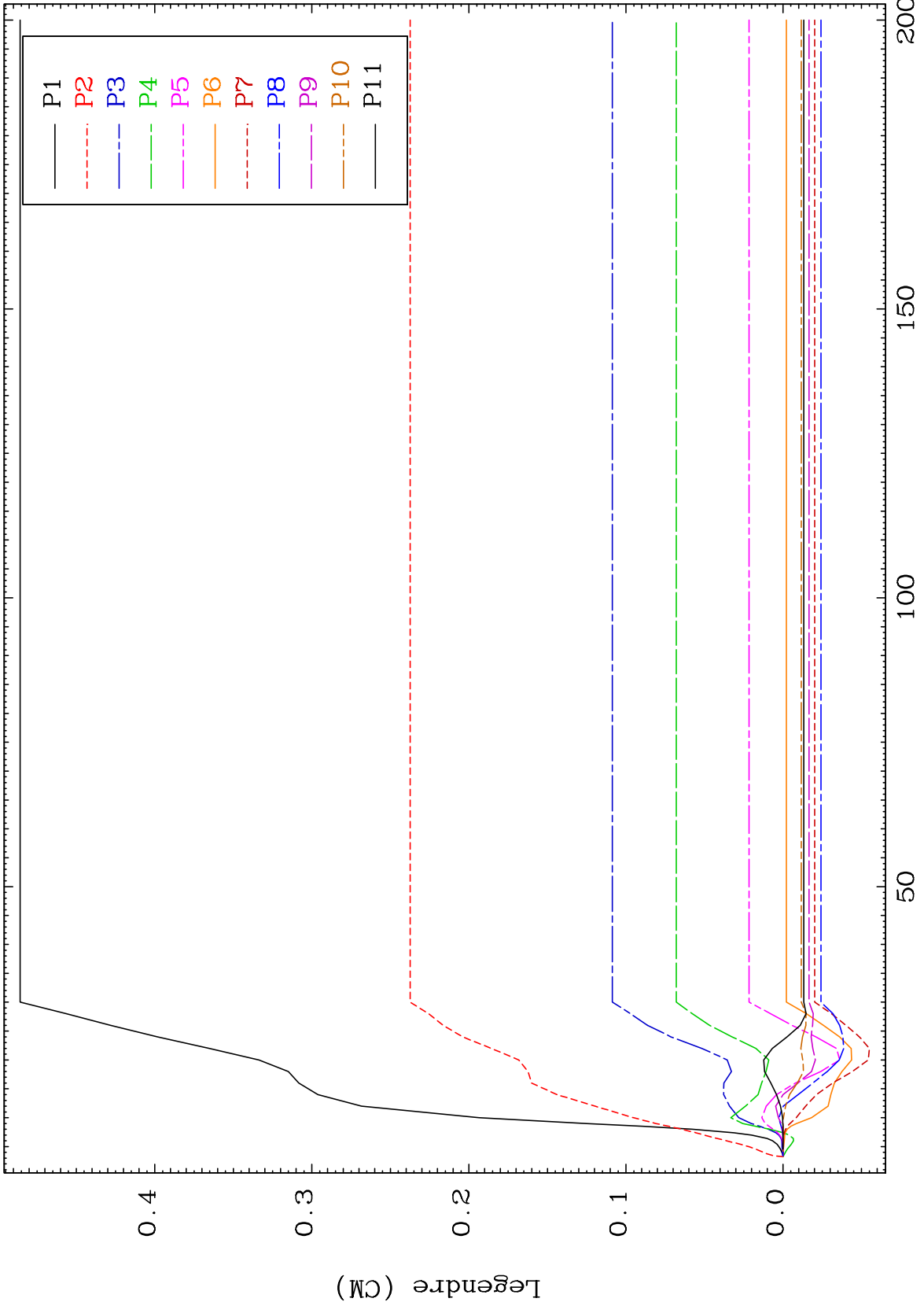
Incident Energy (MeV)

30-Zn-72

MAT 3049 MT= 73 (n,n') Level Legendre Coefficients 30-Zn-72



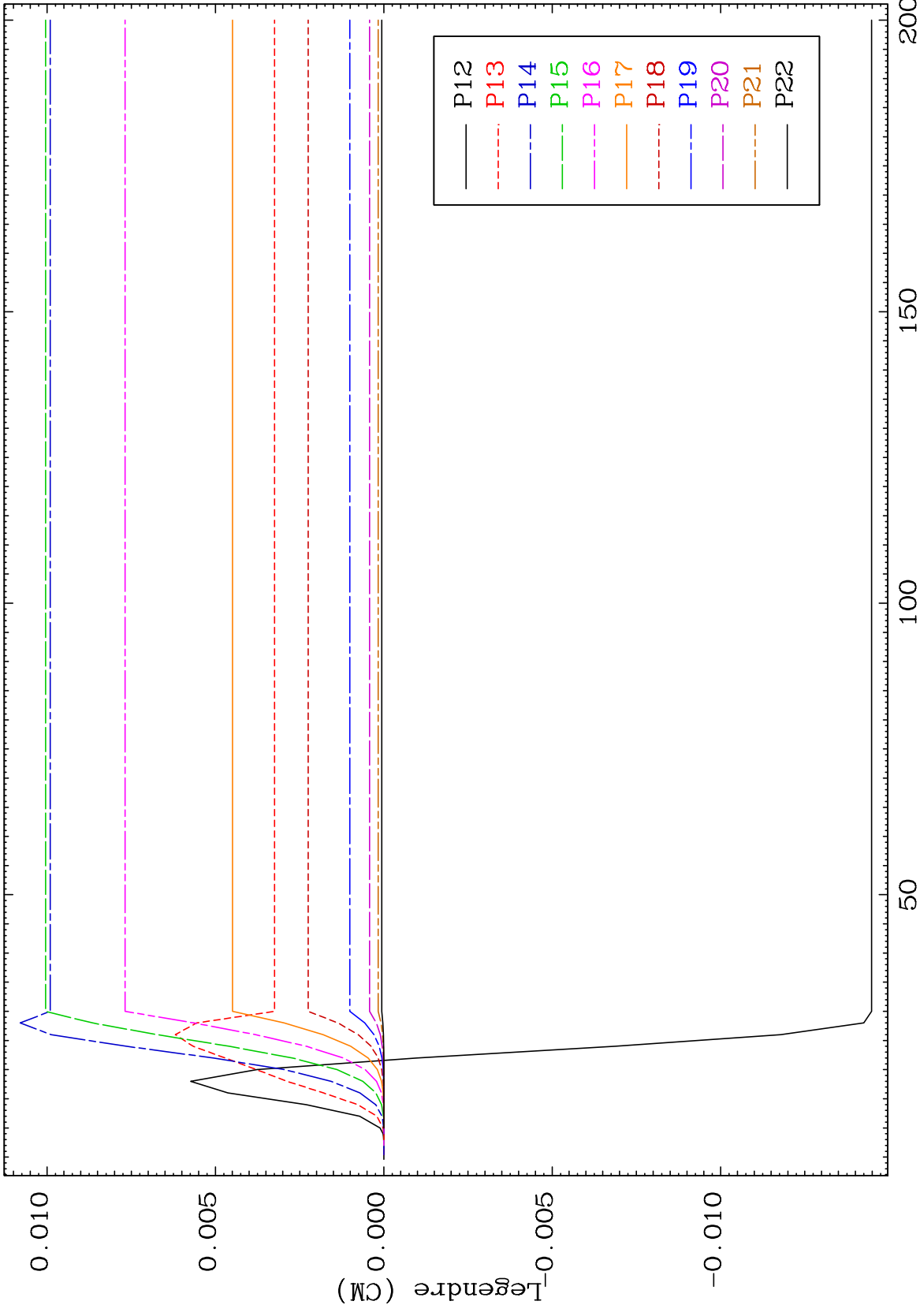
MAT 3049 MT= 74 (n,n') Level Legendre Coefficients 30-Zn-72



MAT 3049

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

30-Zn-72



93

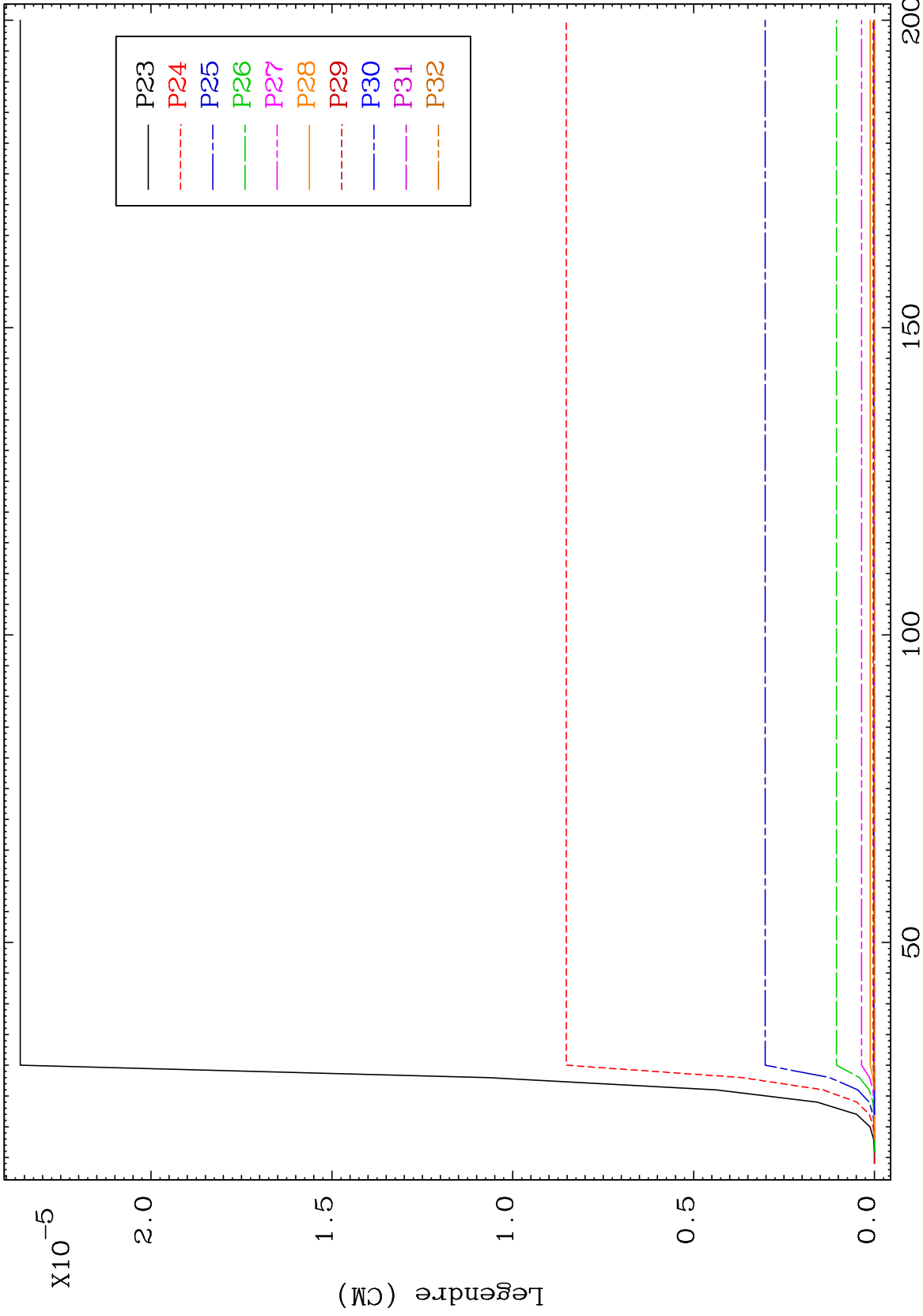
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

30-Zn-72

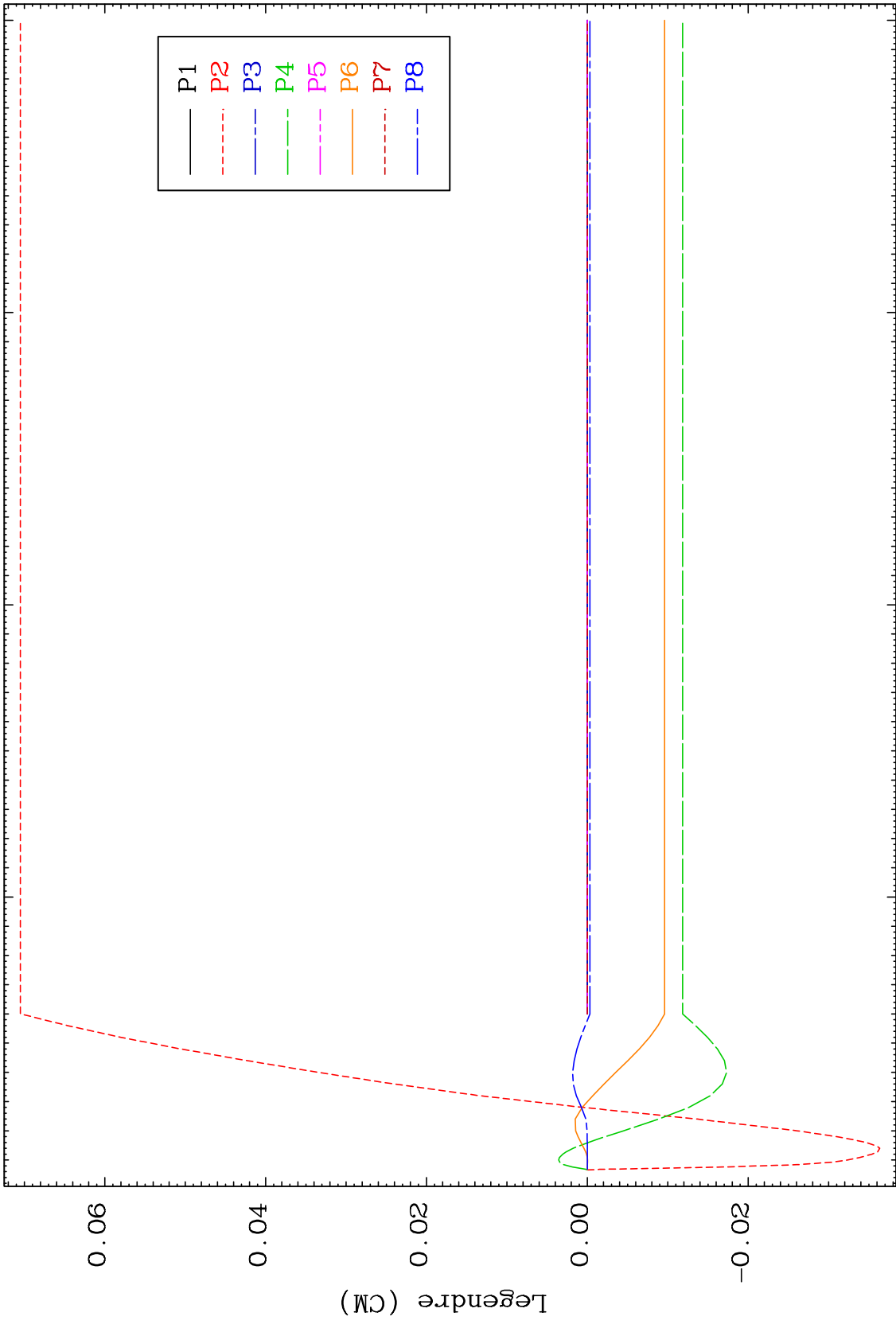


94

Incident Energy (MeV)

30-Zn-72

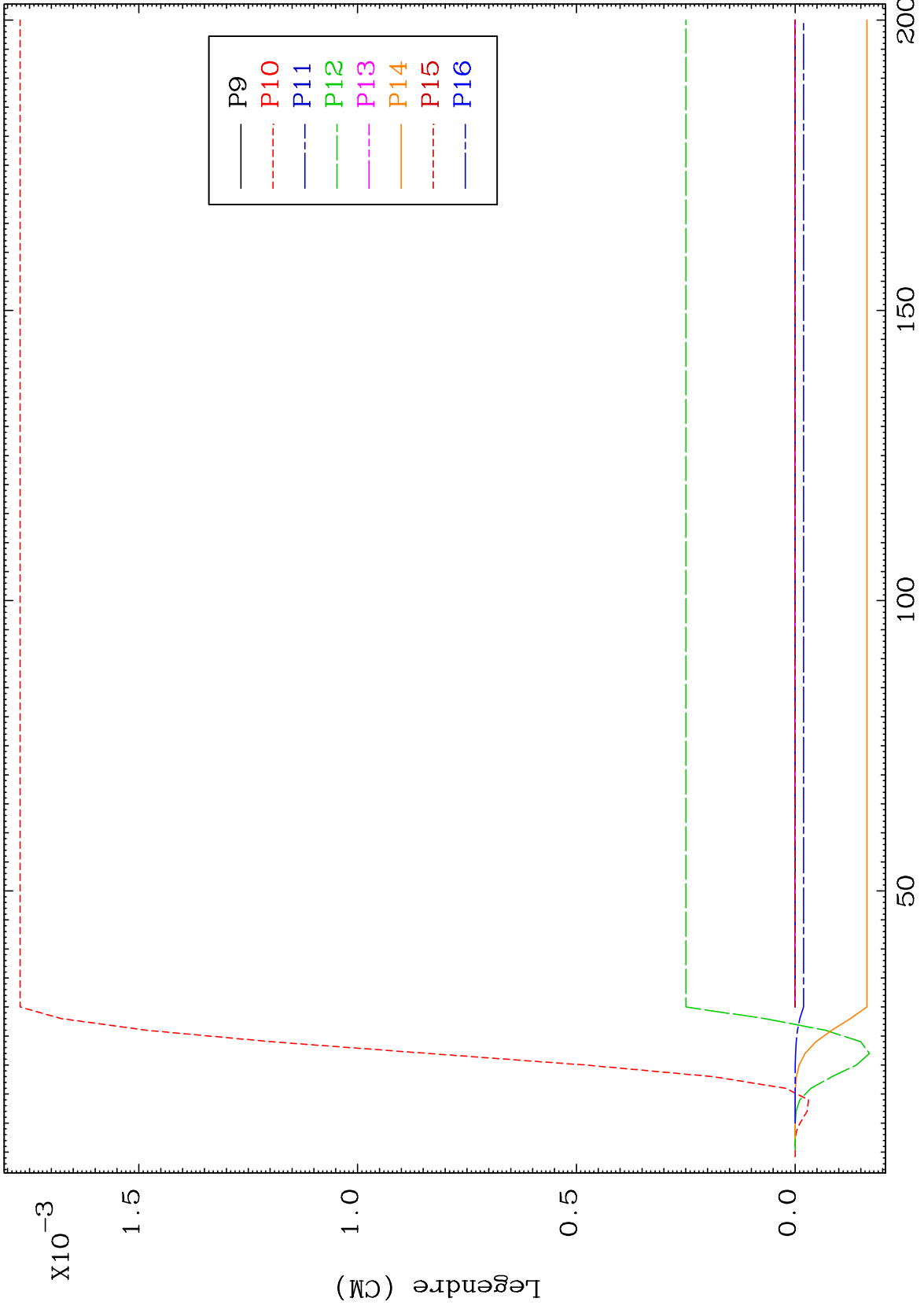
MAT 3049 MT= 75 (n,n') Level Legendre Coefficients 30-Zn-72



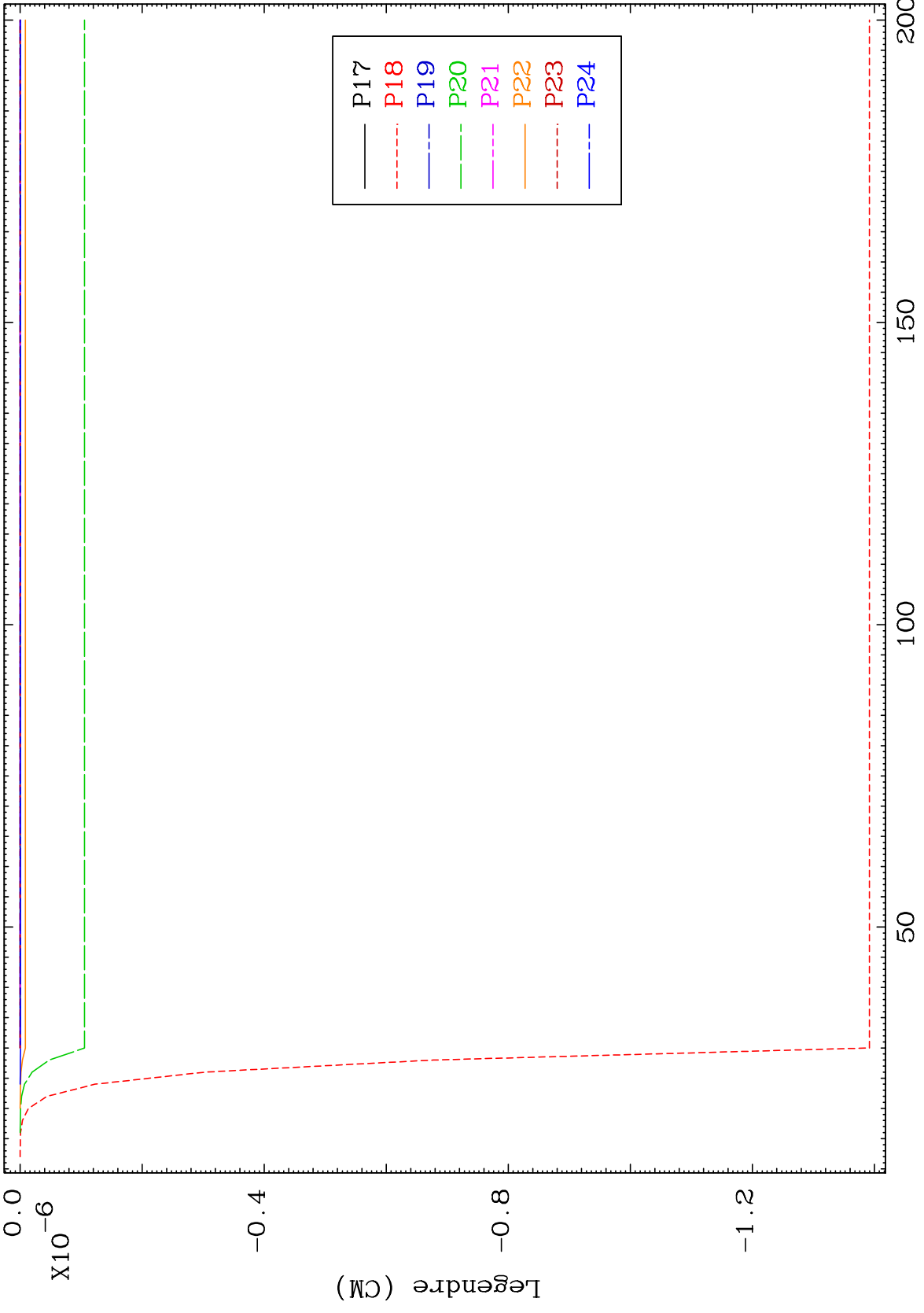
95 Incident Energy (MeV) 200 30-Zn-72



MAT 3049 MT= 75 (n,n') Level Legendre Coefficients 30-Zn-72



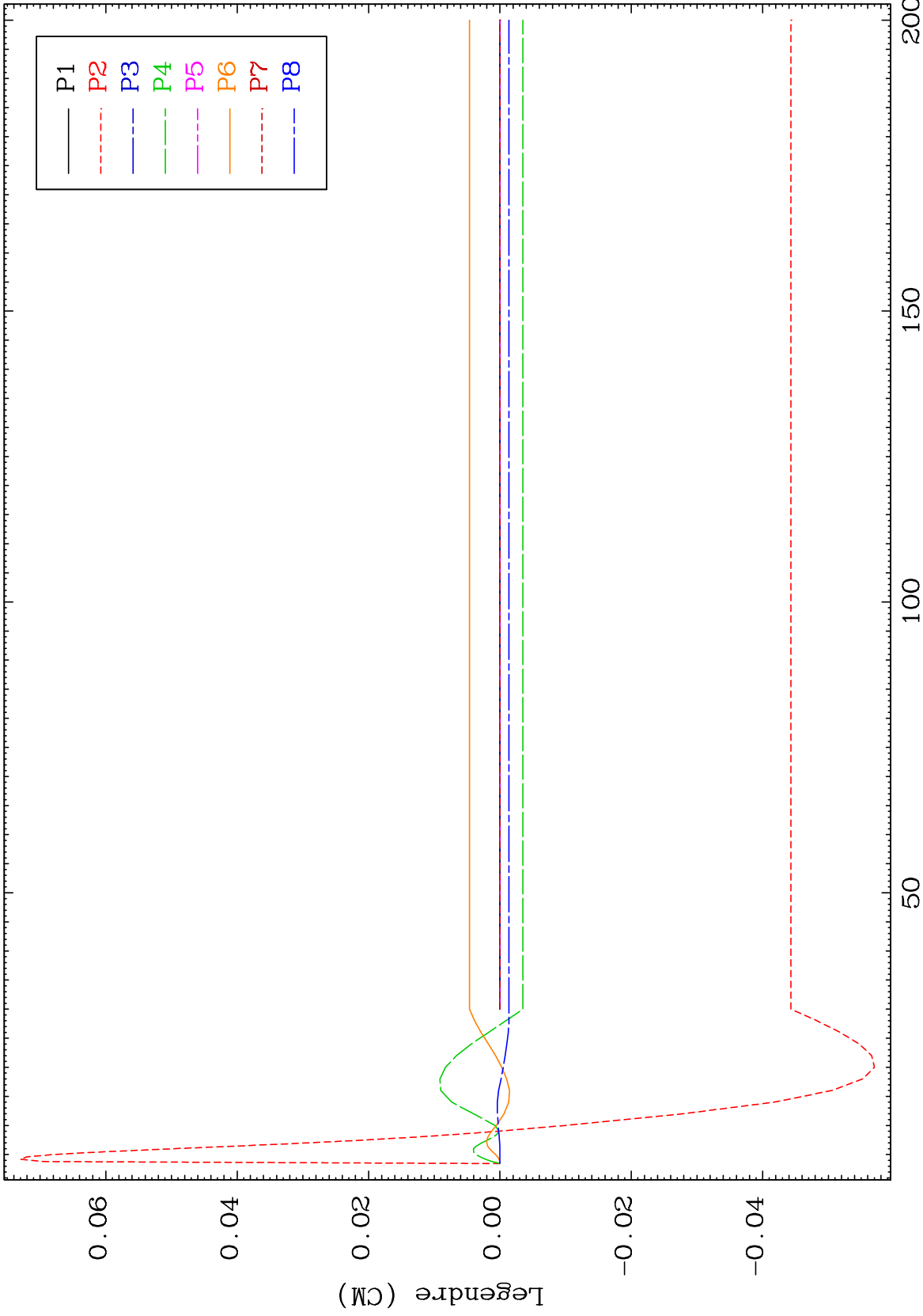
MAT 3049 MT= 75 (n,n') Level Legendre Coefficients 30-Zn-72



MAT 3049

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

30-Zn-72

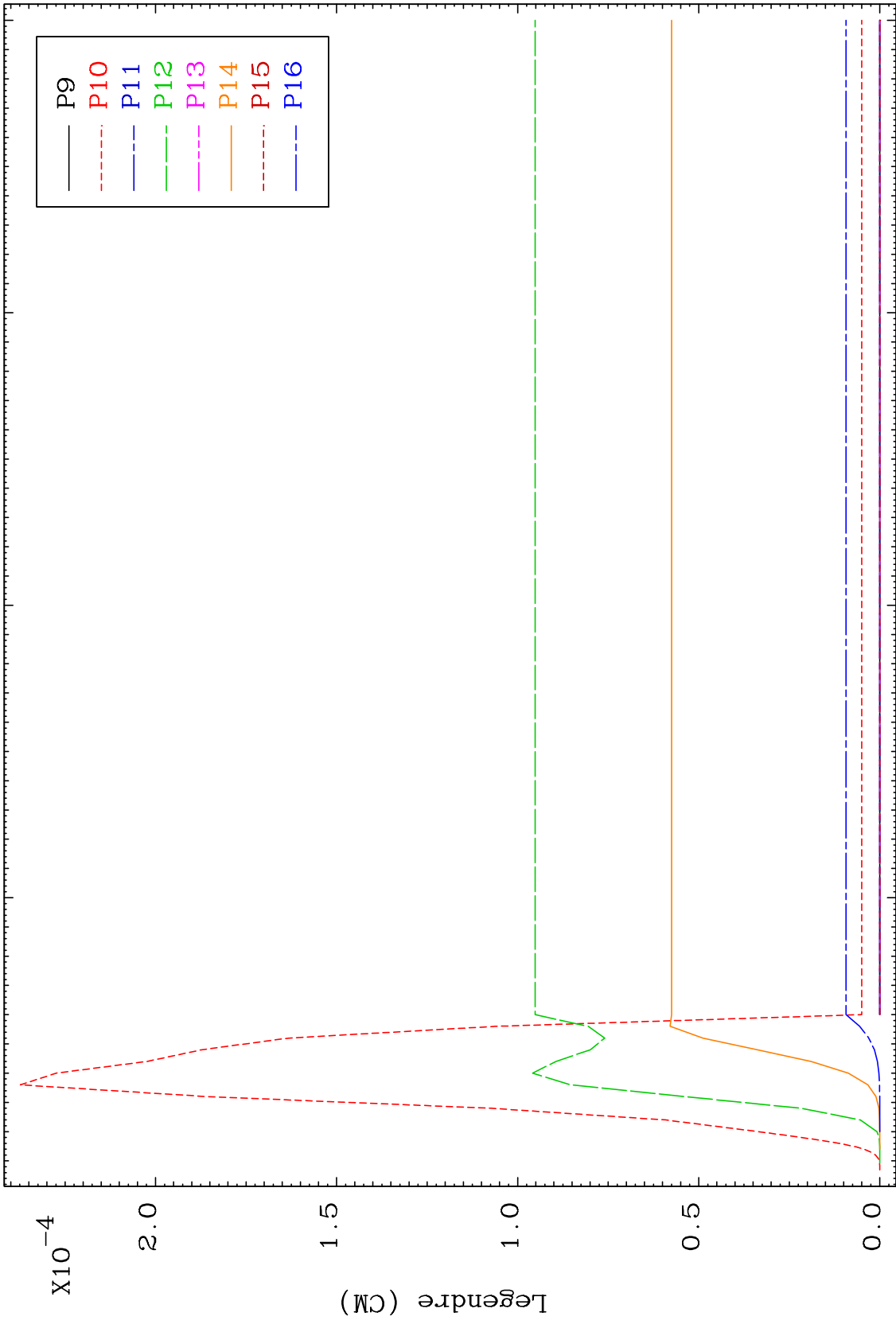


98

Incident Energy (MeV)

30-Zn-72

MAT 3049 MT= 76 (n,n') Level Legendre Coefficients 30-Zn-72



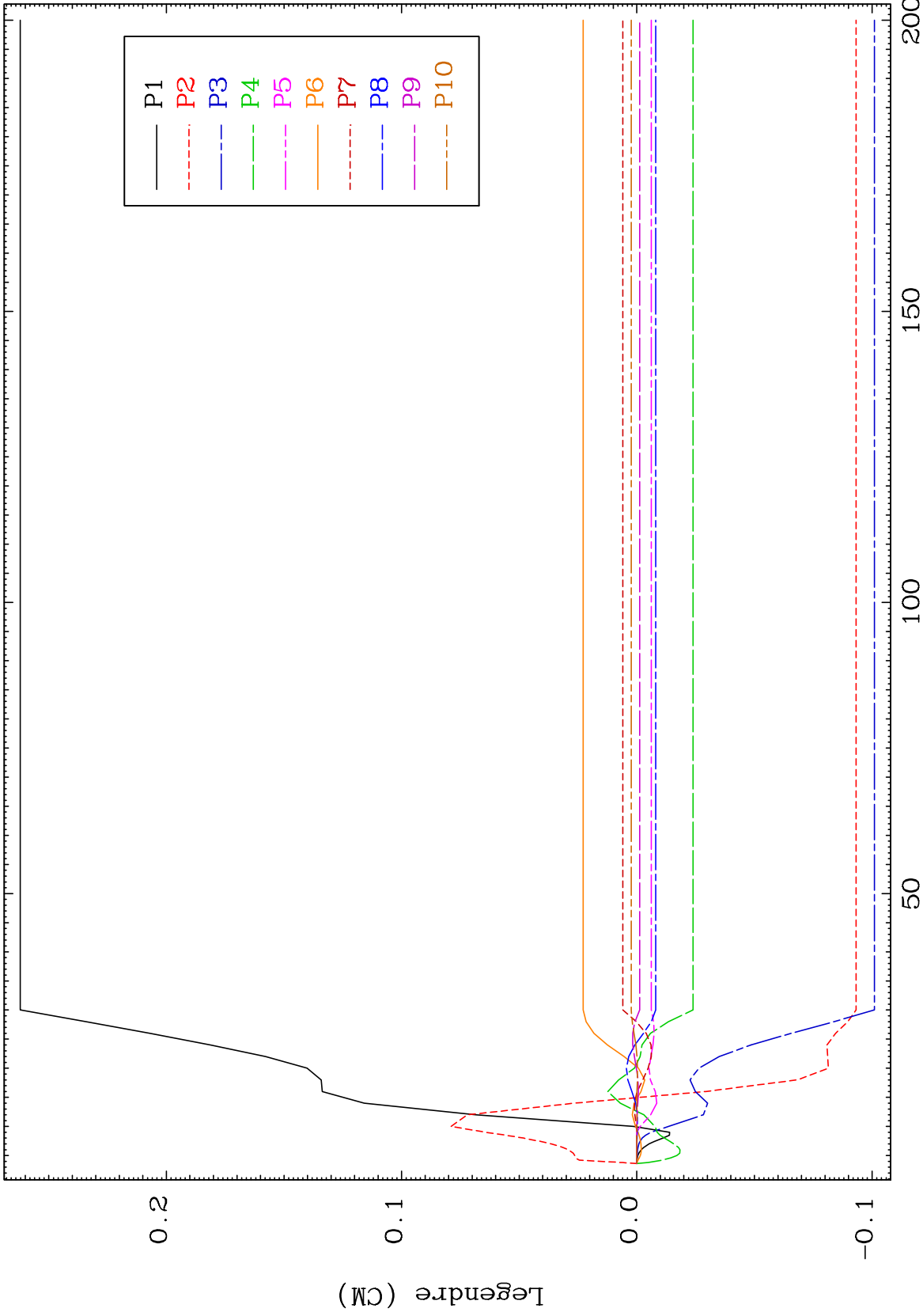
99 30-Zn-72



MAT 3049

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

30-Zn-72



101

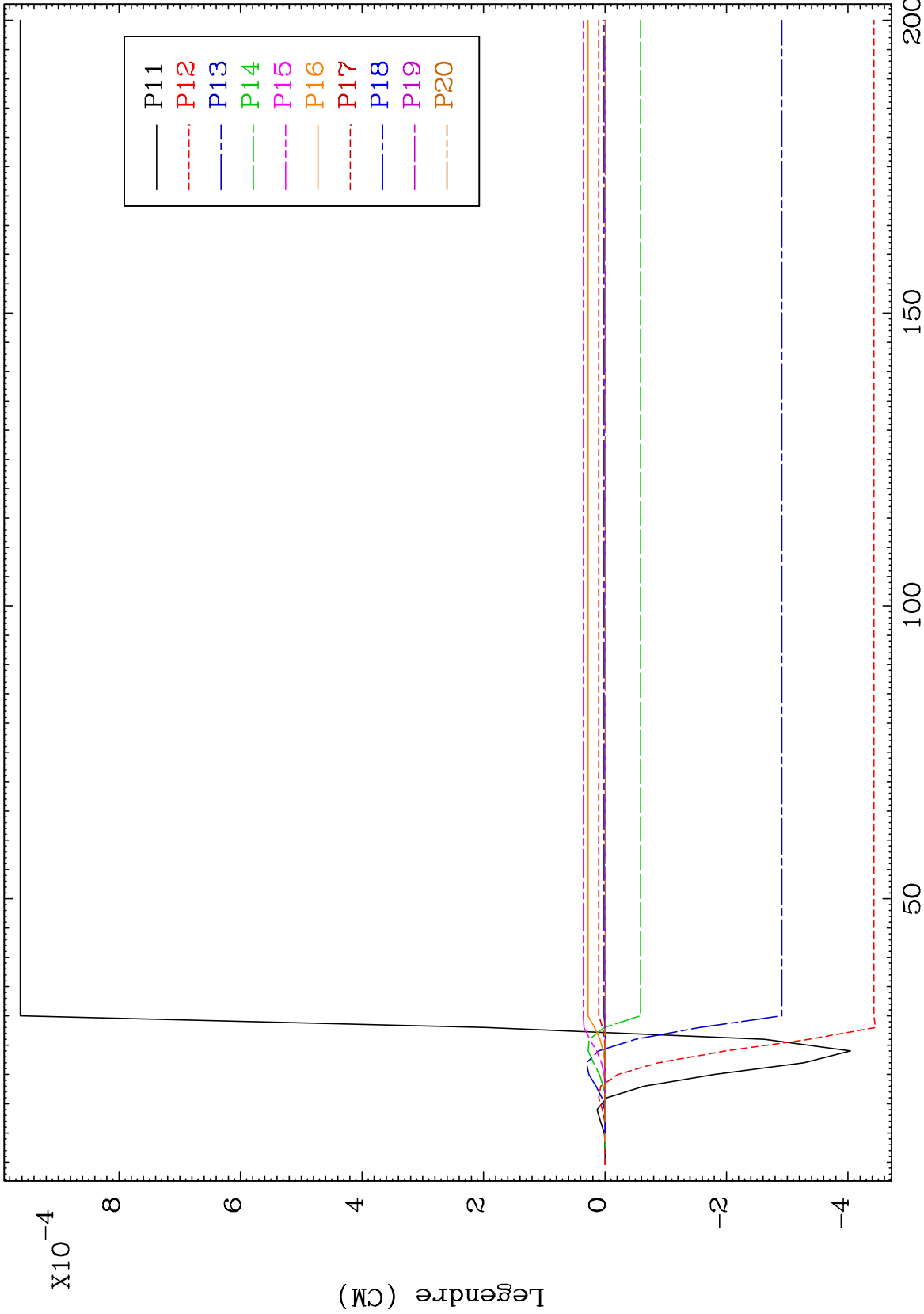
Incident Energy (MeV)

30-Zn-72

MAT 3049

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

30-Zn-72

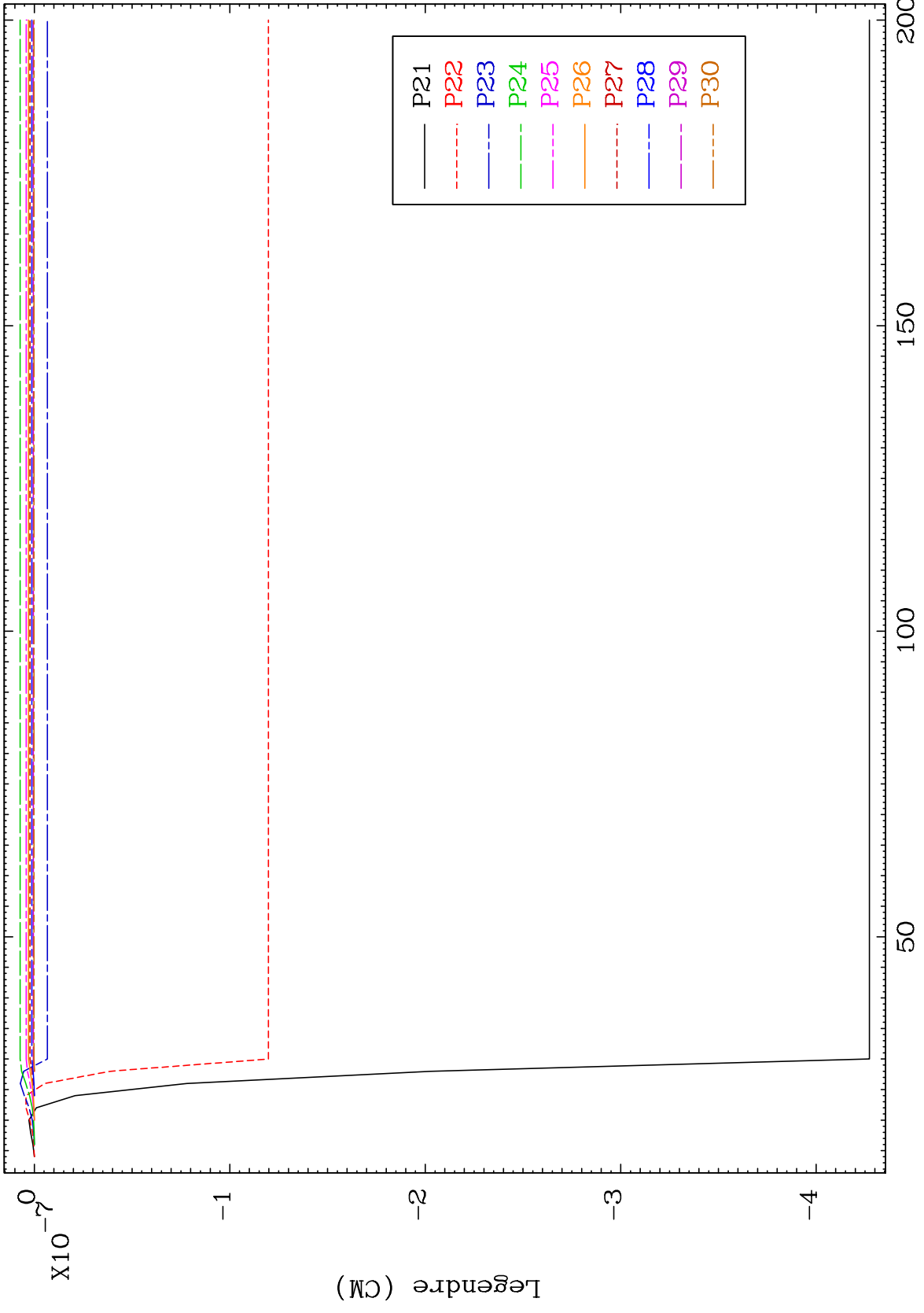


102

Incident Energy (MeV)

30-Zn-72

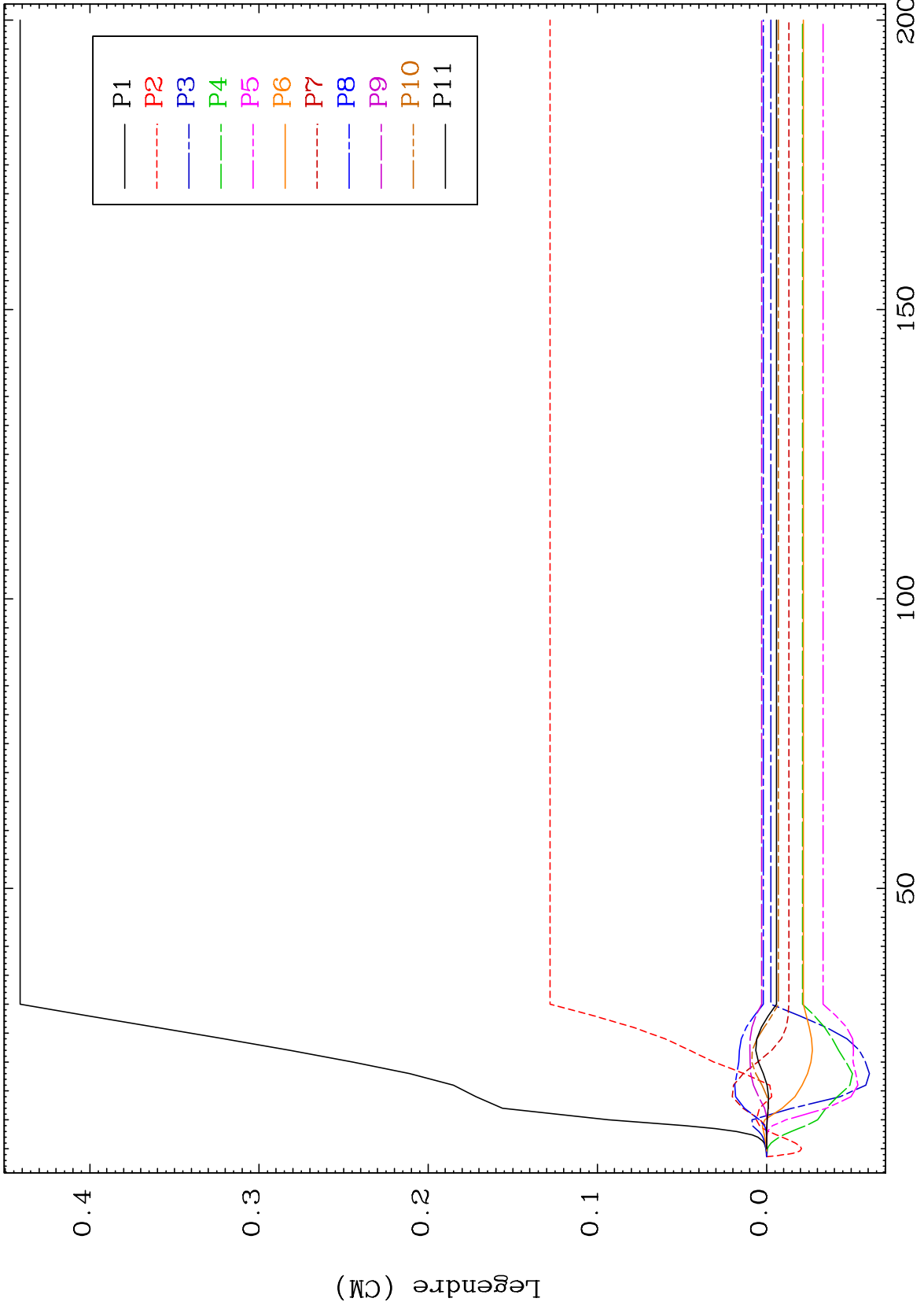
MAT 3049 MT= 77 (n,n') Level Legendre Coefficients 30-Zn-72



103 30-Zn-72

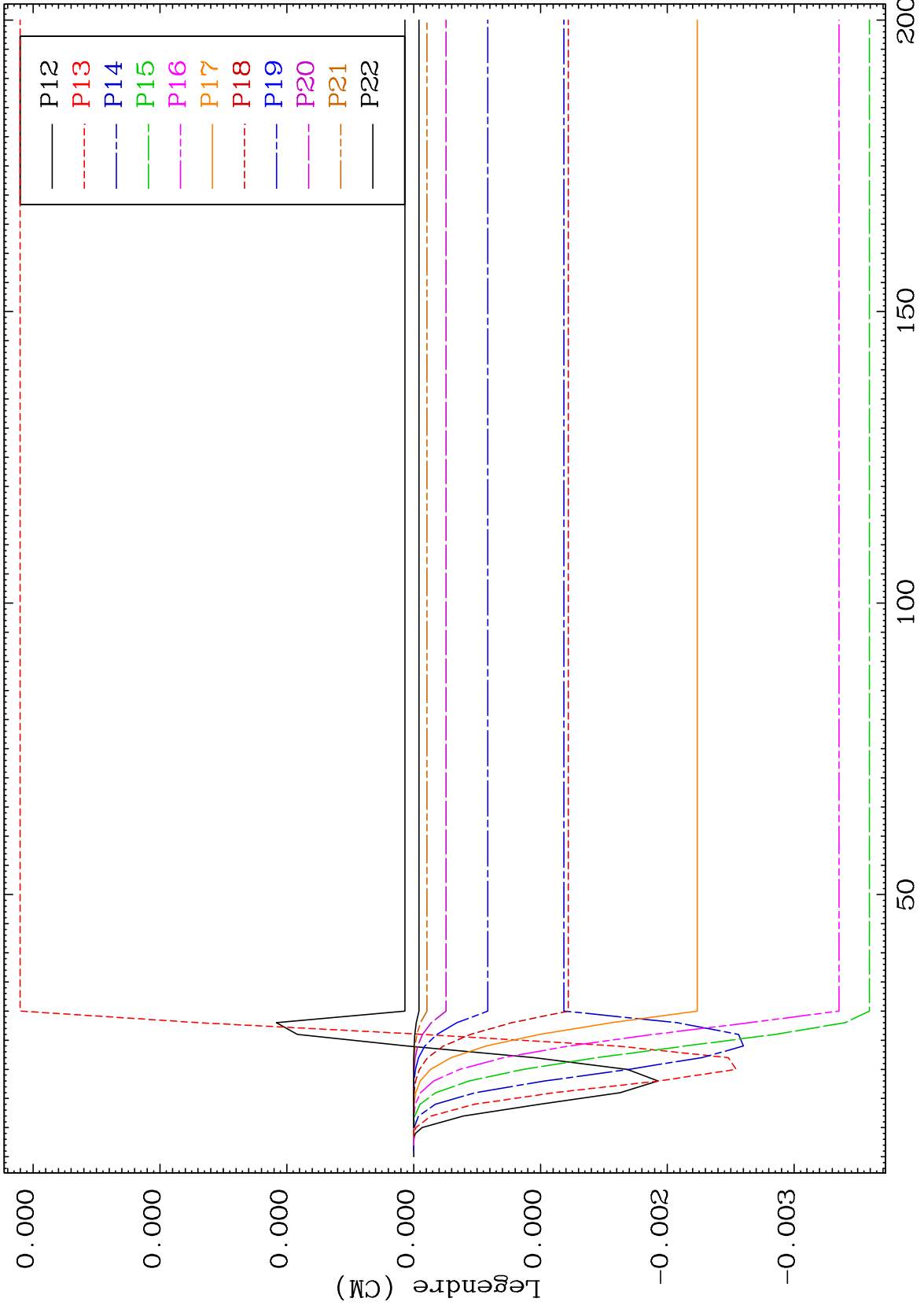


MAT 3049 MT= 78 (n,n') Level Legendre Coefficients 30-Zn-72



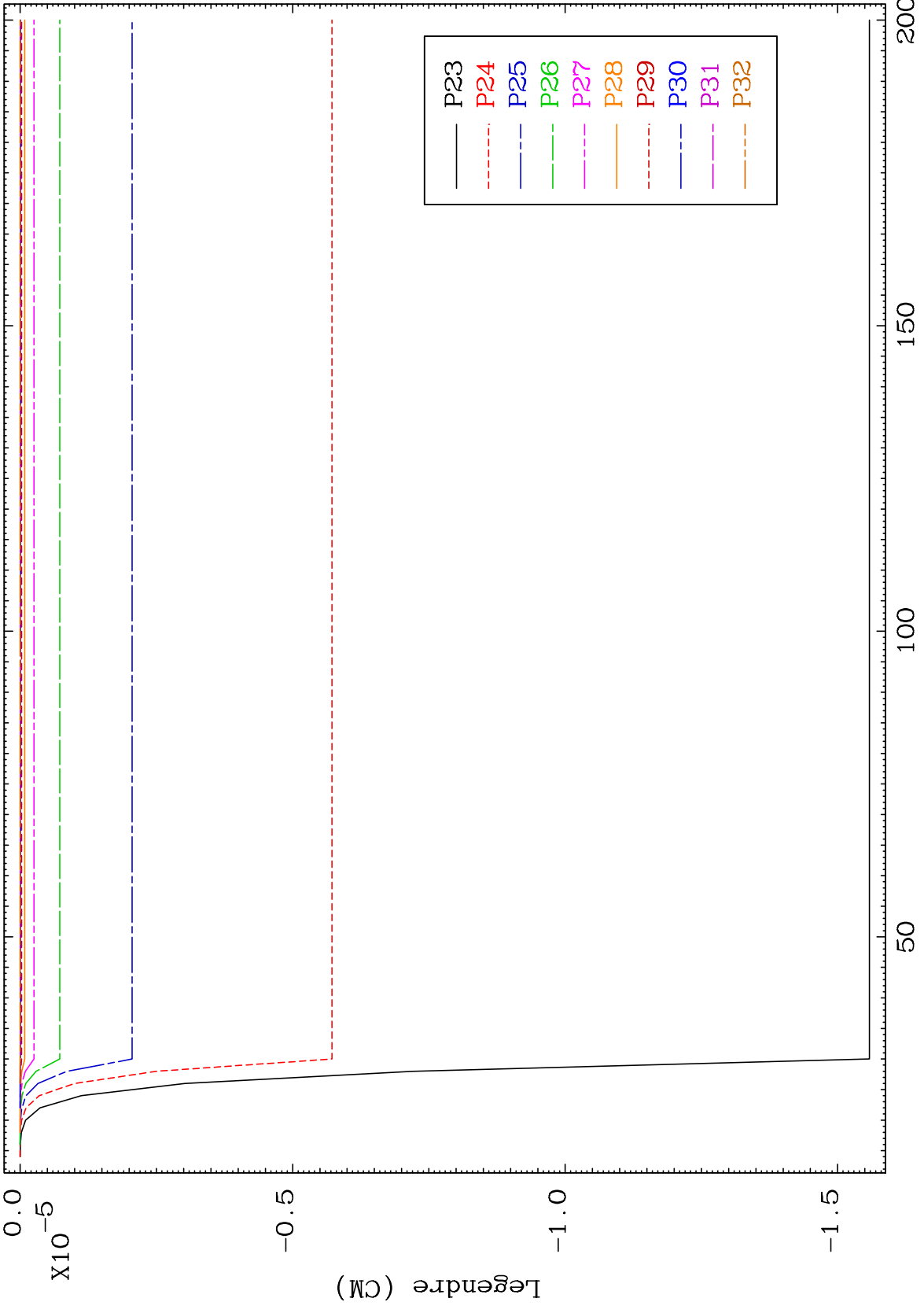
104 30-Zn-72

MAT 3049 MT= 78 (n,n') Level Legendre Coefficients 30-Zn-72

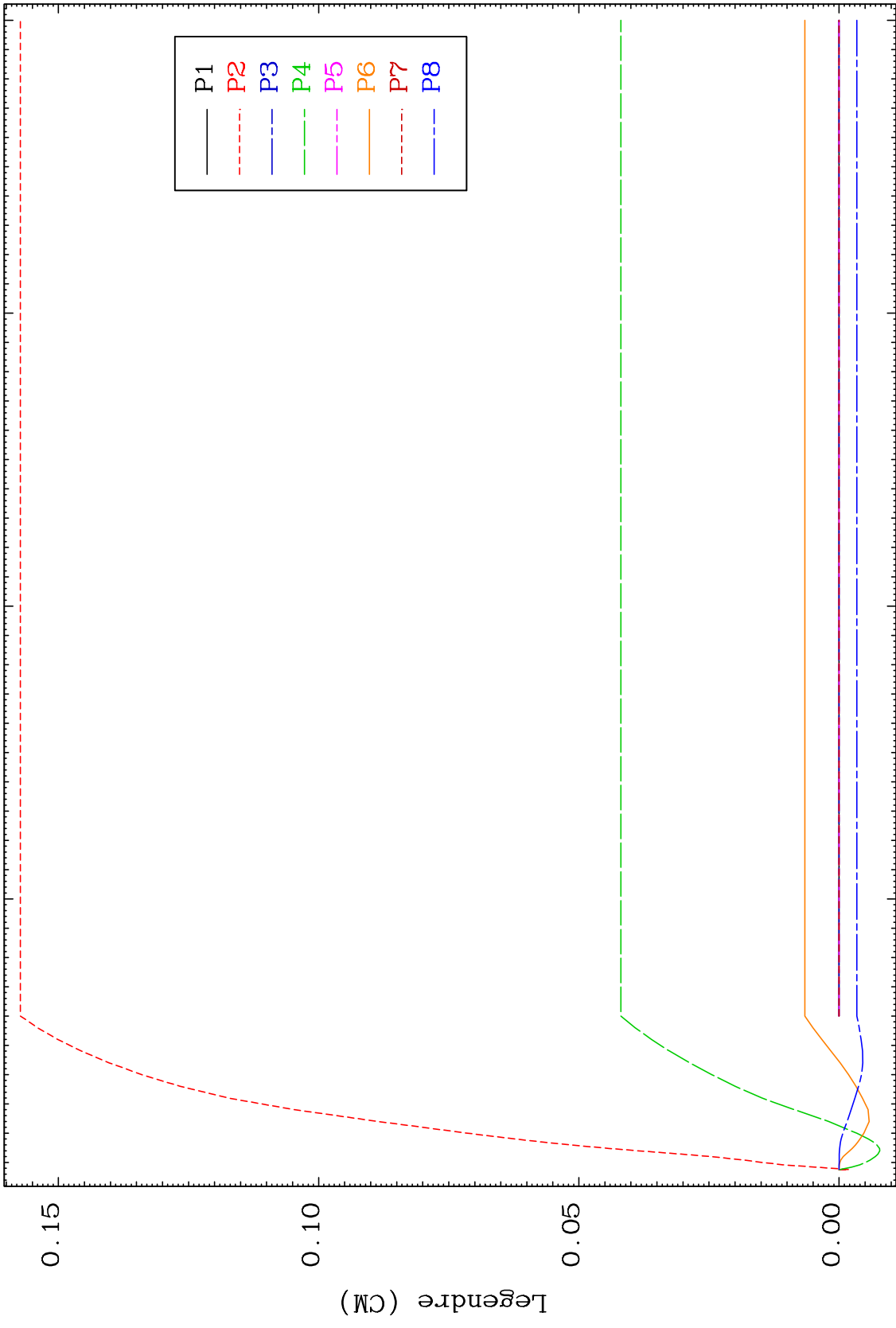


105 Incident Energy (MeV) 30-Zn-72

MAT 3049 MT= 78 (n,n') Level Legendre Coefficients 30-Zn-72

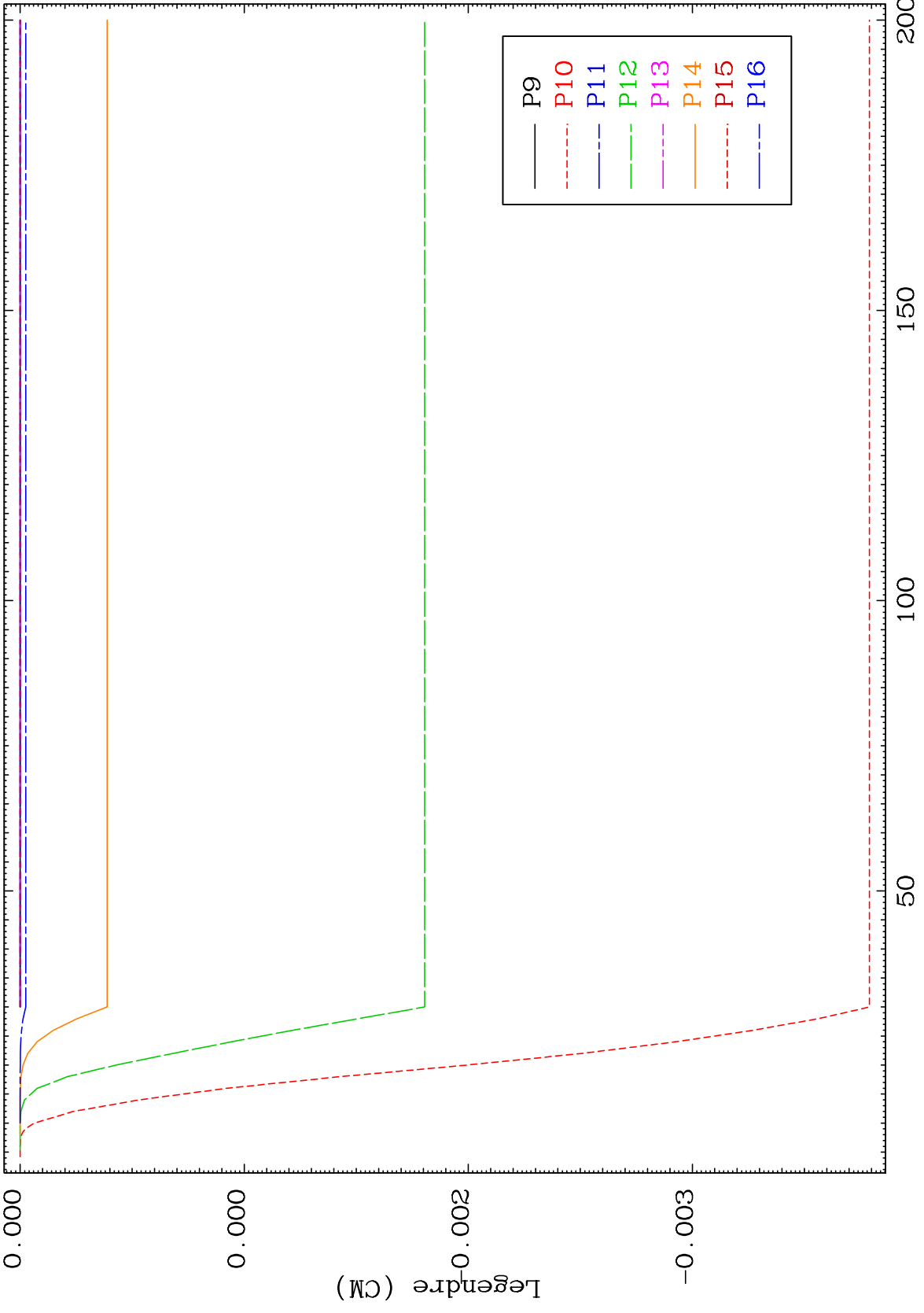


MAT 3049 MT= 79 (n,n') Level Legendre Coefficients 30-Zn-72

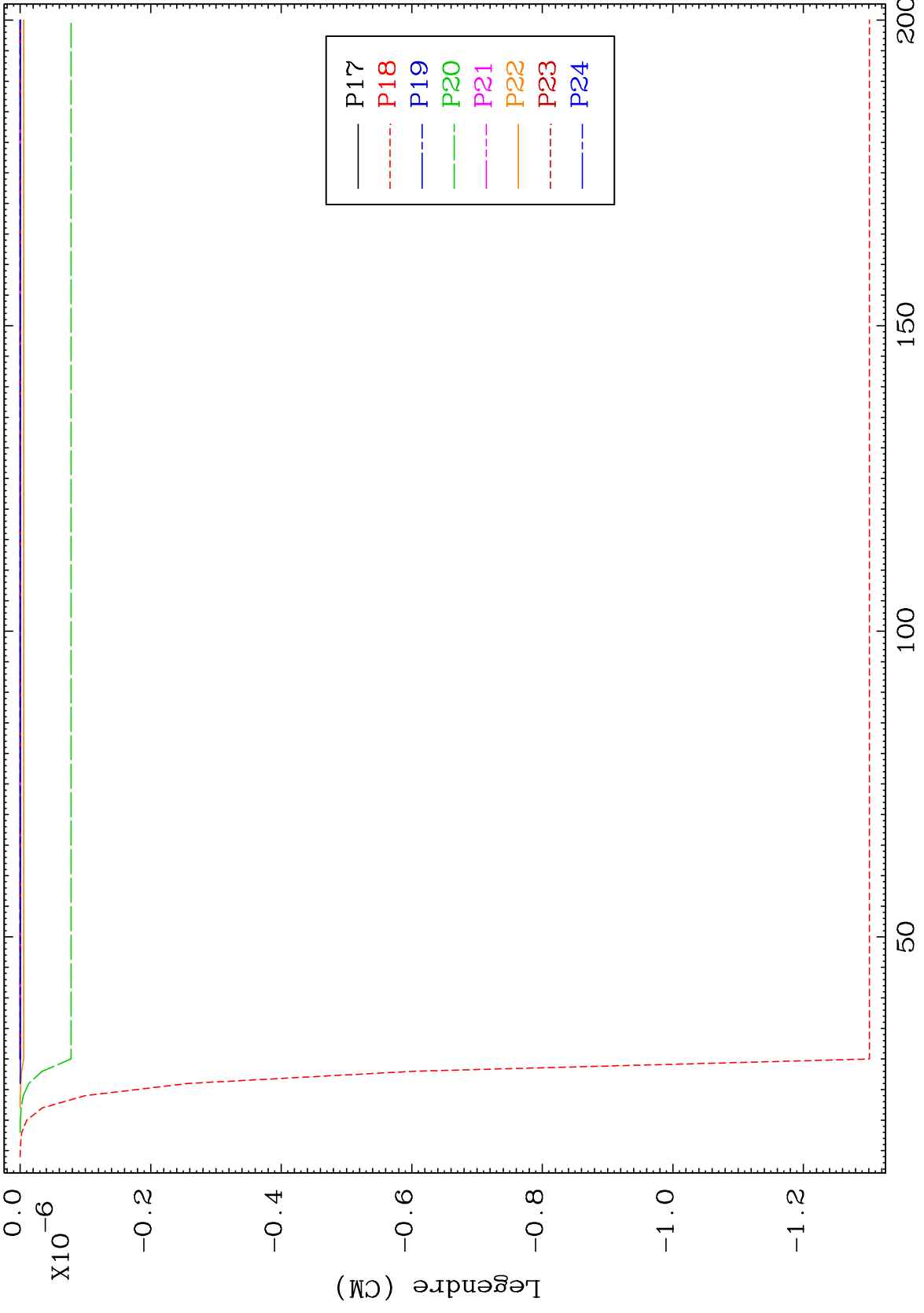


Legendre (CM) Incident Energy (MeV) 30-Zn-72

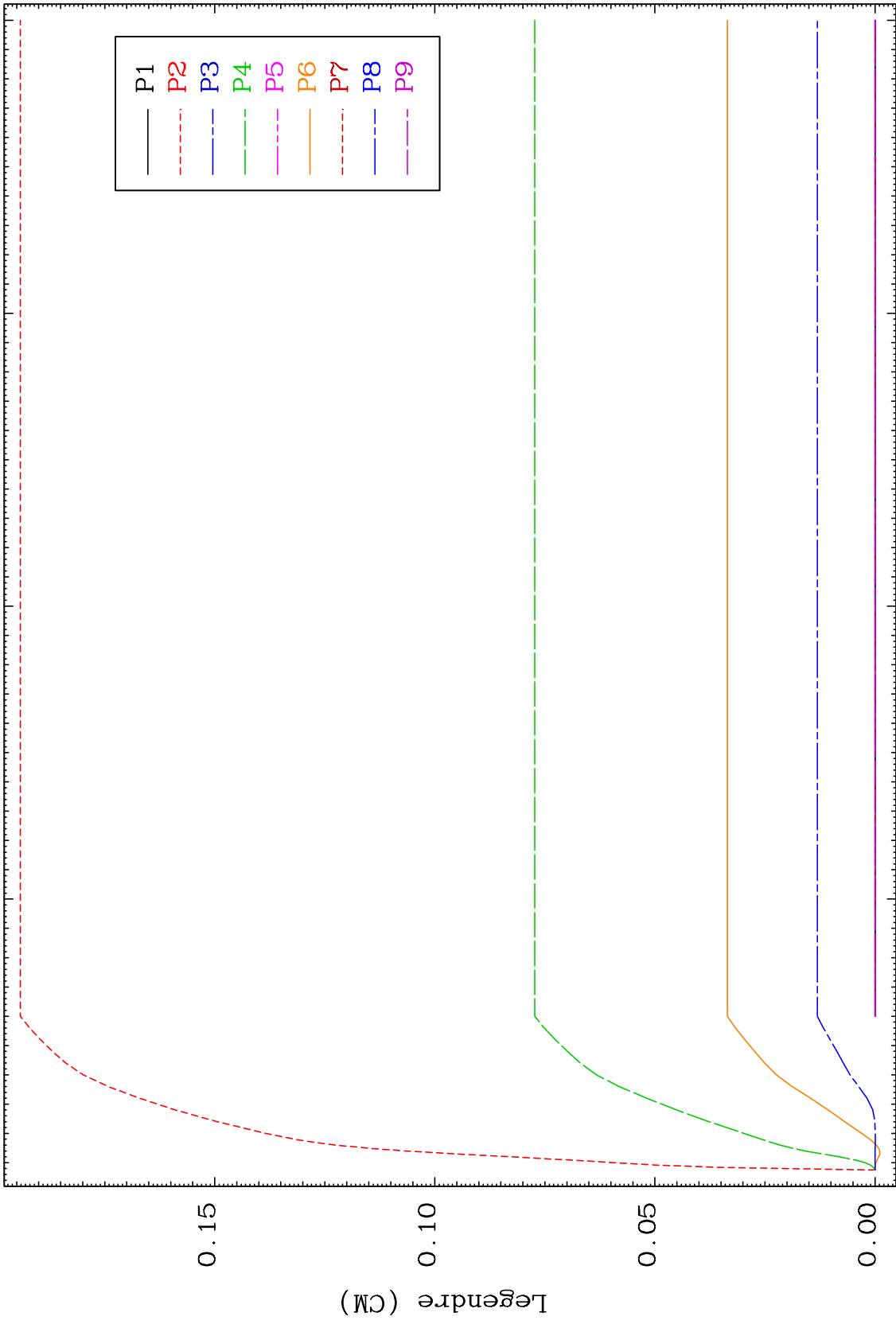
MAT 3049 MT= 79 (n,n') Level Legendre Coefficients 30-Zn-72



MAT 3049 MT= 79 (n,n') Level Legendre Coefficients 30-Zn-72



MAT 3049 MT= 80 (n,n') Level Legendre Coefficients 30-Zn-72

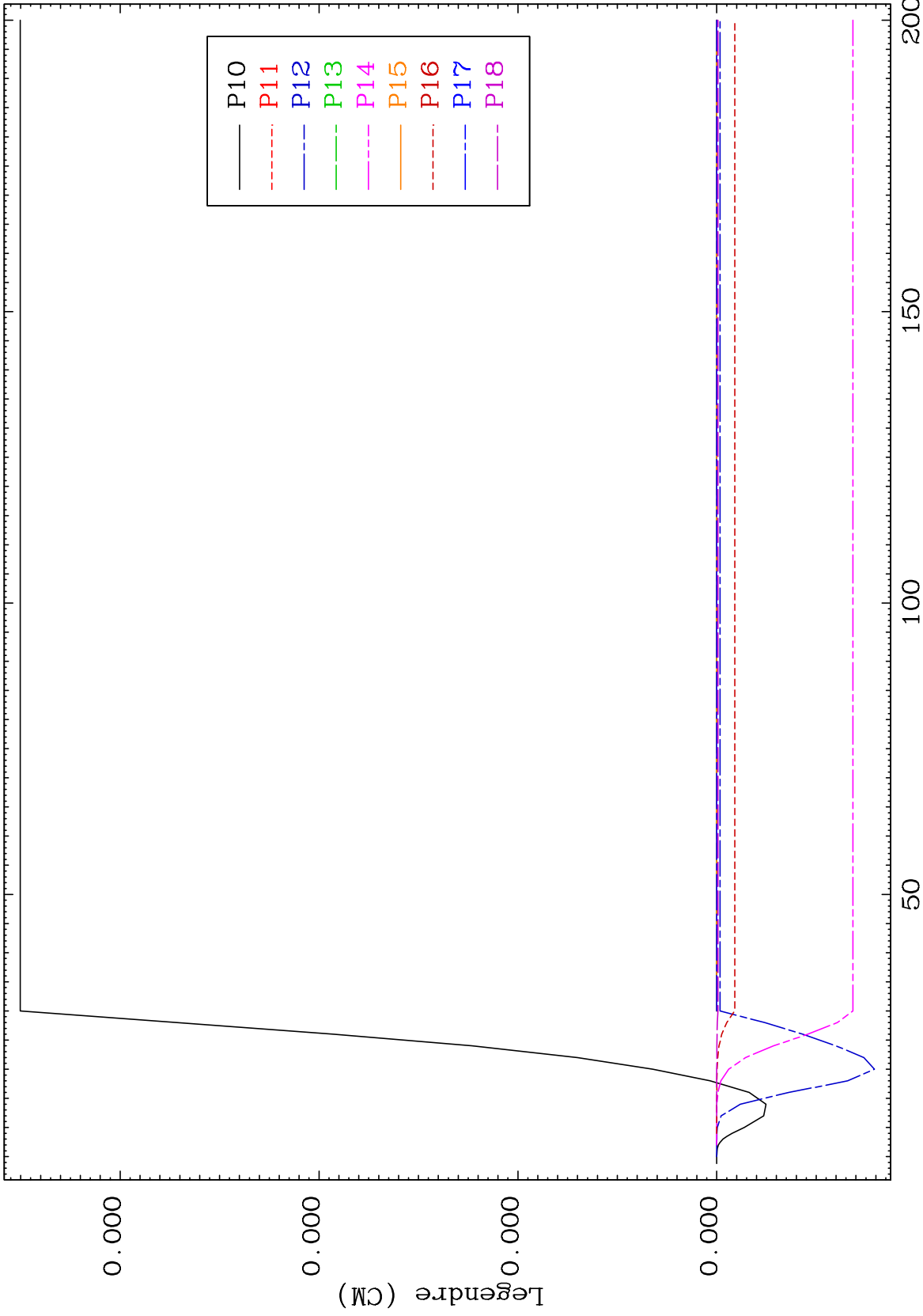


Incident Energy (MeV) 30-Zn-72

MAT 3049

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

30-Zn-72



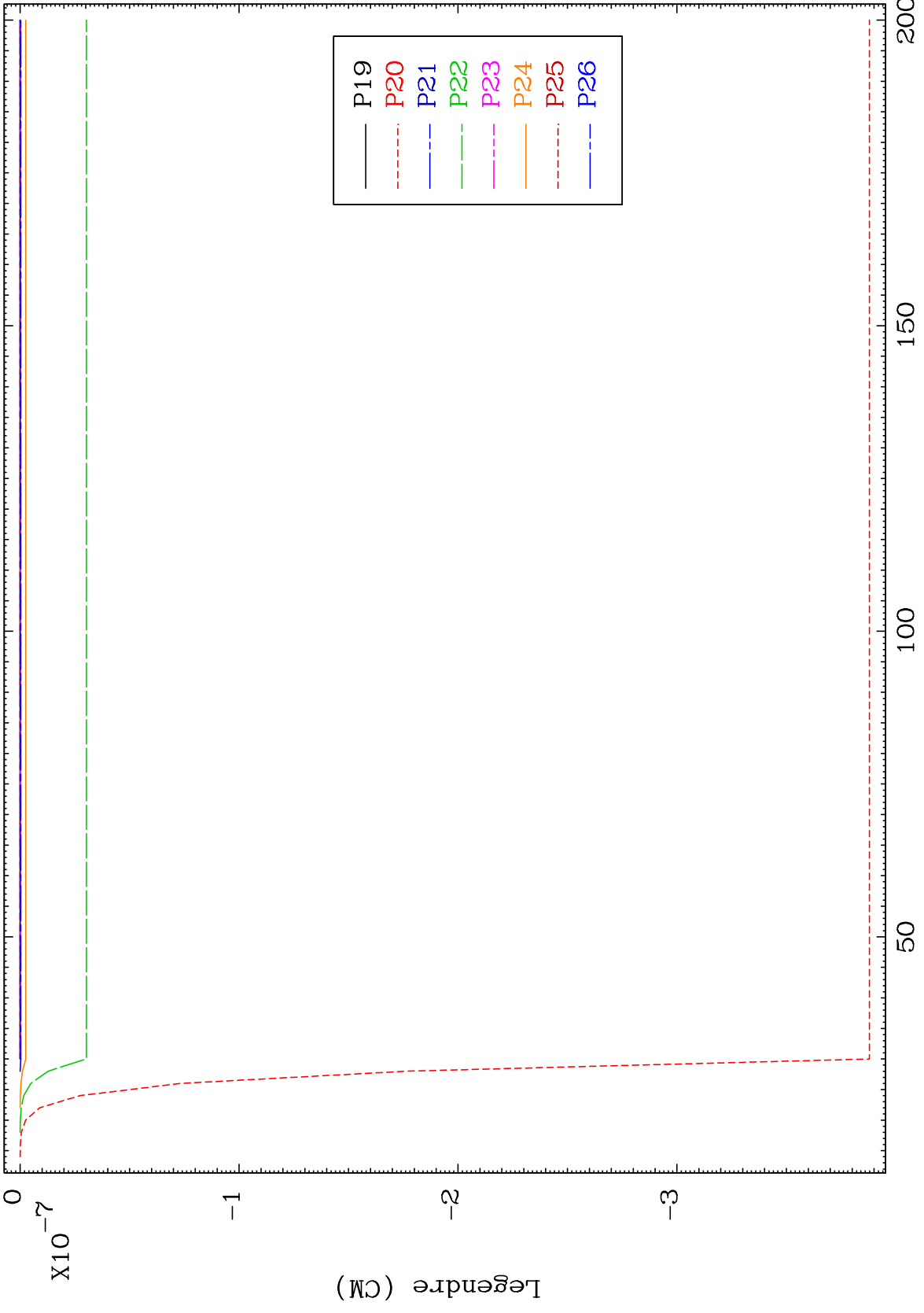
111

Incident Energy (MeV)

30-Zn-72



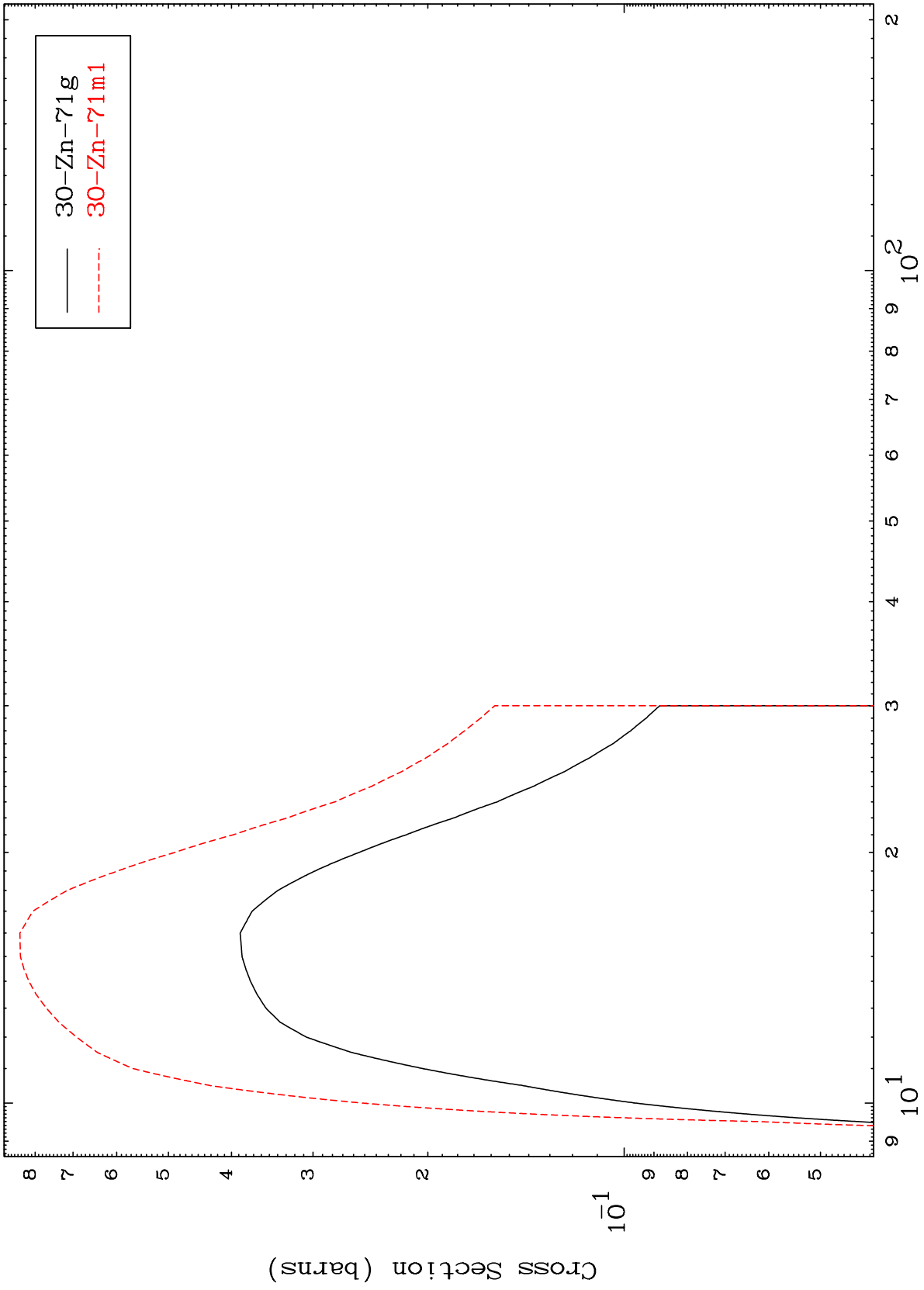
MAT 3049 MT= 80 (n,n') Level Legendre Coefficients 30-Zn-72



MAT 3049

30-Zn-72

(n,2n)  
Radionuclide Production Cross Section



113

Incident Energy (MeV)

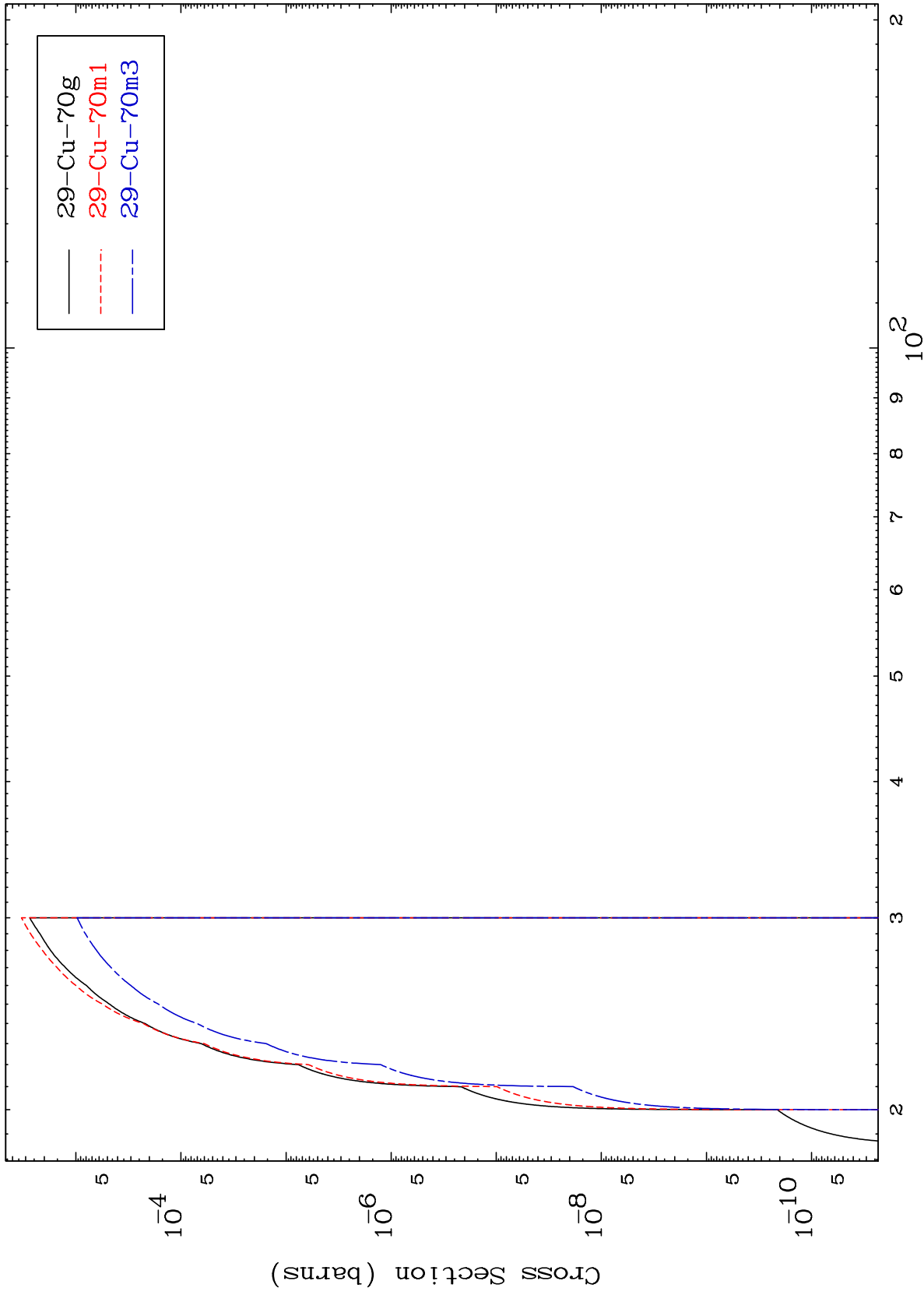
30-Zn-72

MAT 3049

(n,n') d

30-Zn-72

Radionuclide Production Cross Section



114

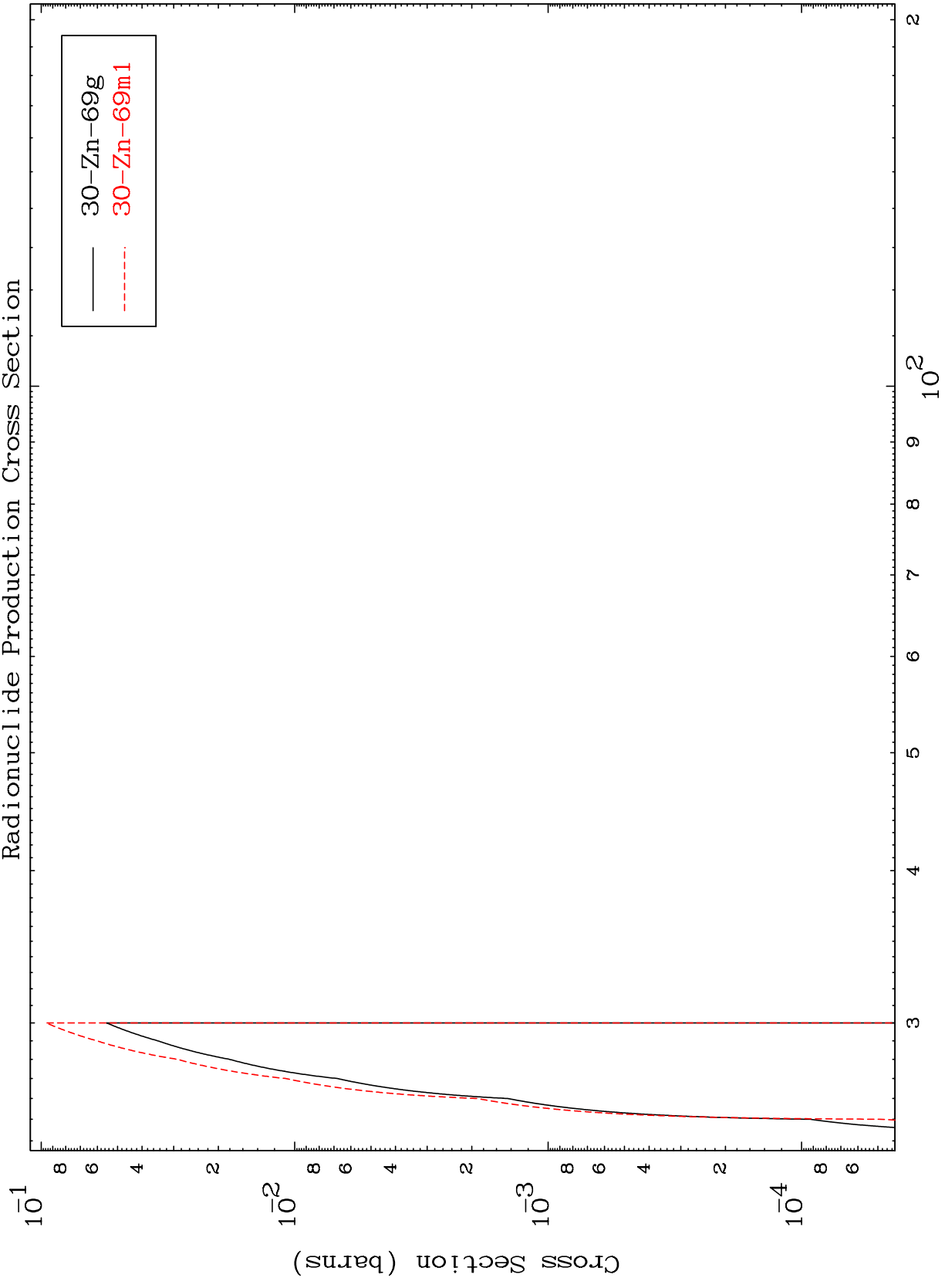
Incident Energy (MeV)

30-Zn-72

MAT 3049

30-Zn-72

(n,4n)  
Radionuclide Production Cross Section



115

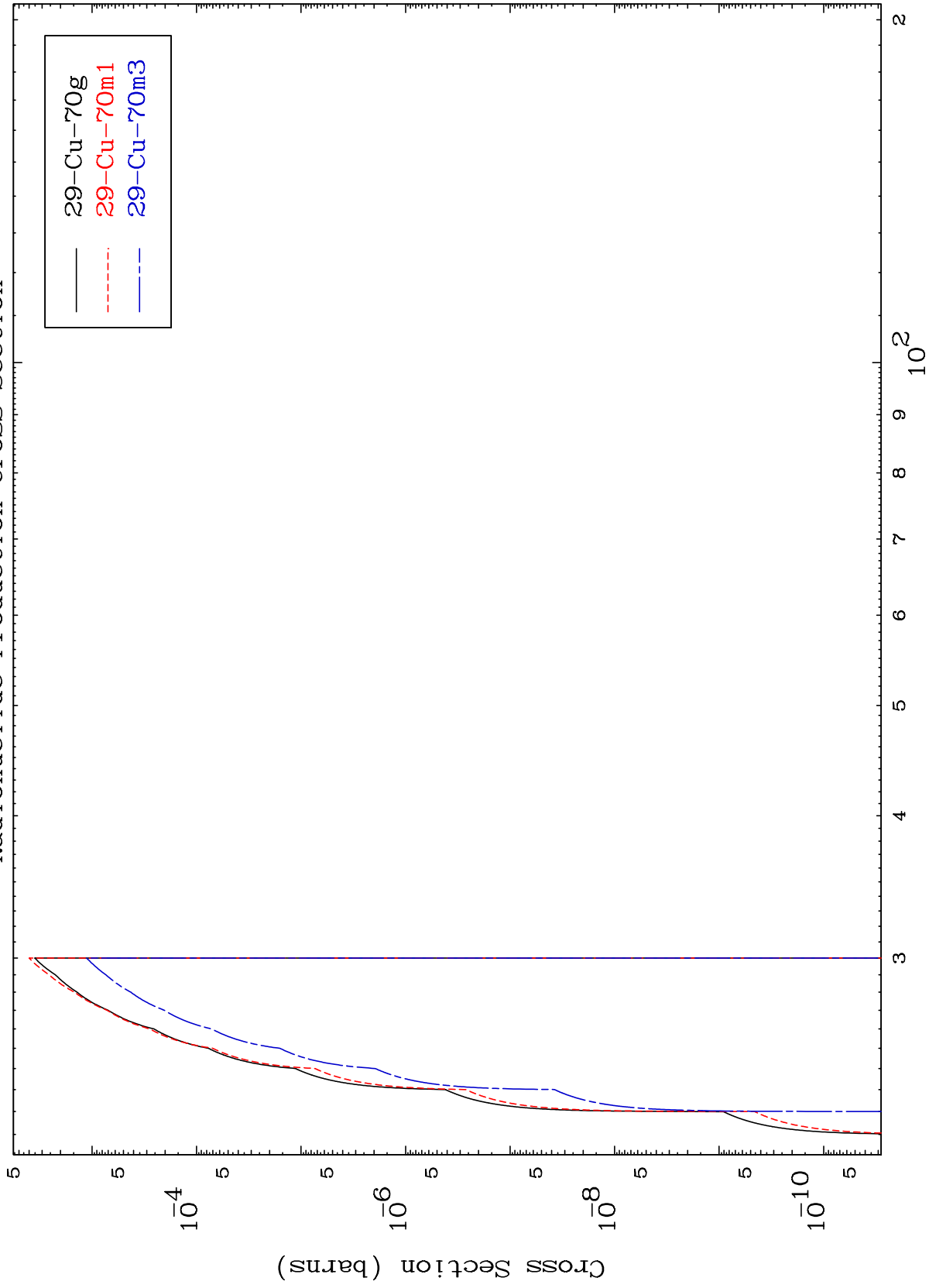
30-Zn-72

MAT 3049

(n,2n) p

30-Zn-72

Radionuclide Production Cross Section



116

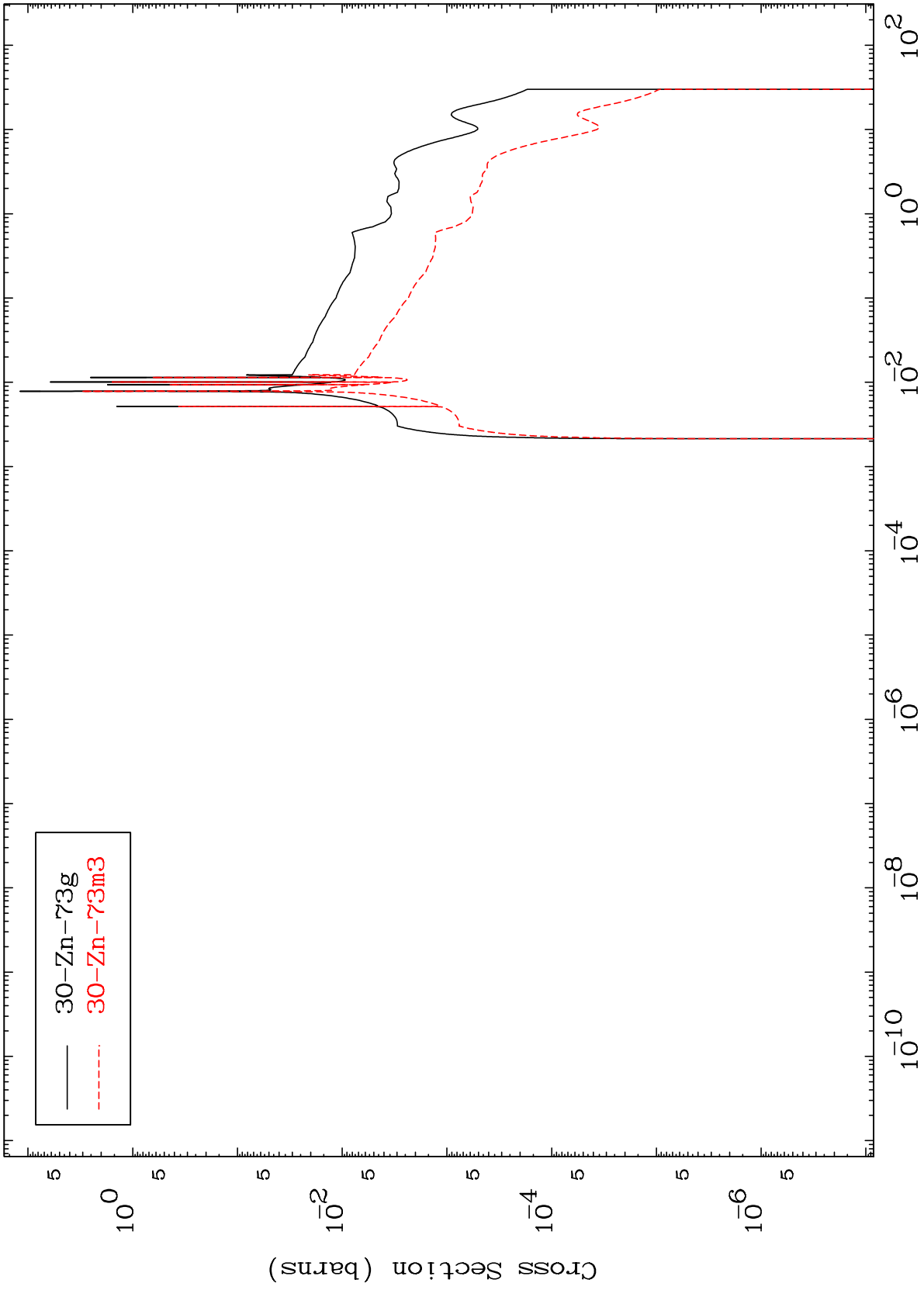
Incident Energy (MeV)

30-Zn-72

MAT 3049

30-Zn-72

Radionuclide Production Cross Section  
(n,γ)



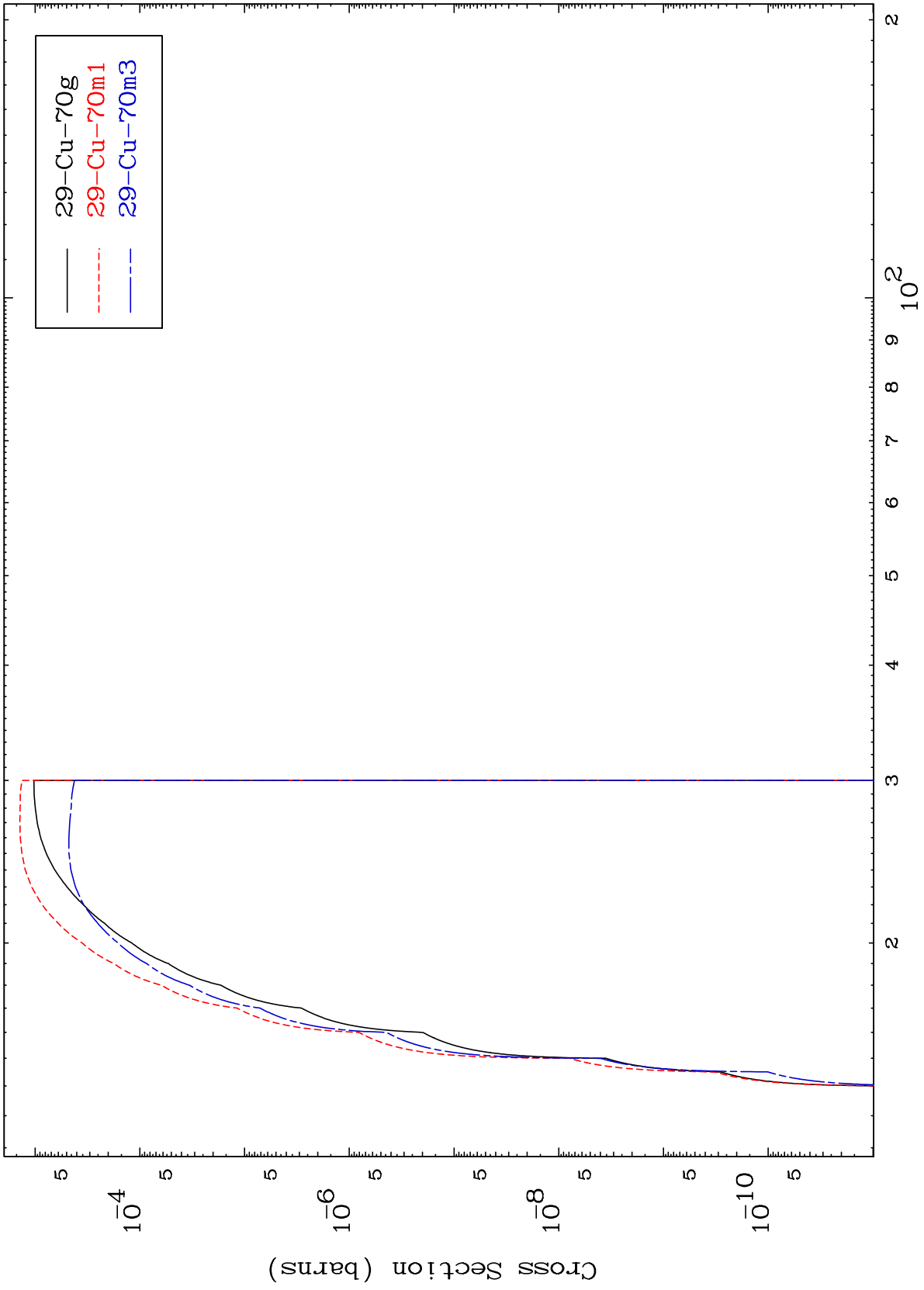
117

30-Zn-72

MAT 3049

30-Zn-72

(n, t)  
Radionuclide Production Cross Section



118

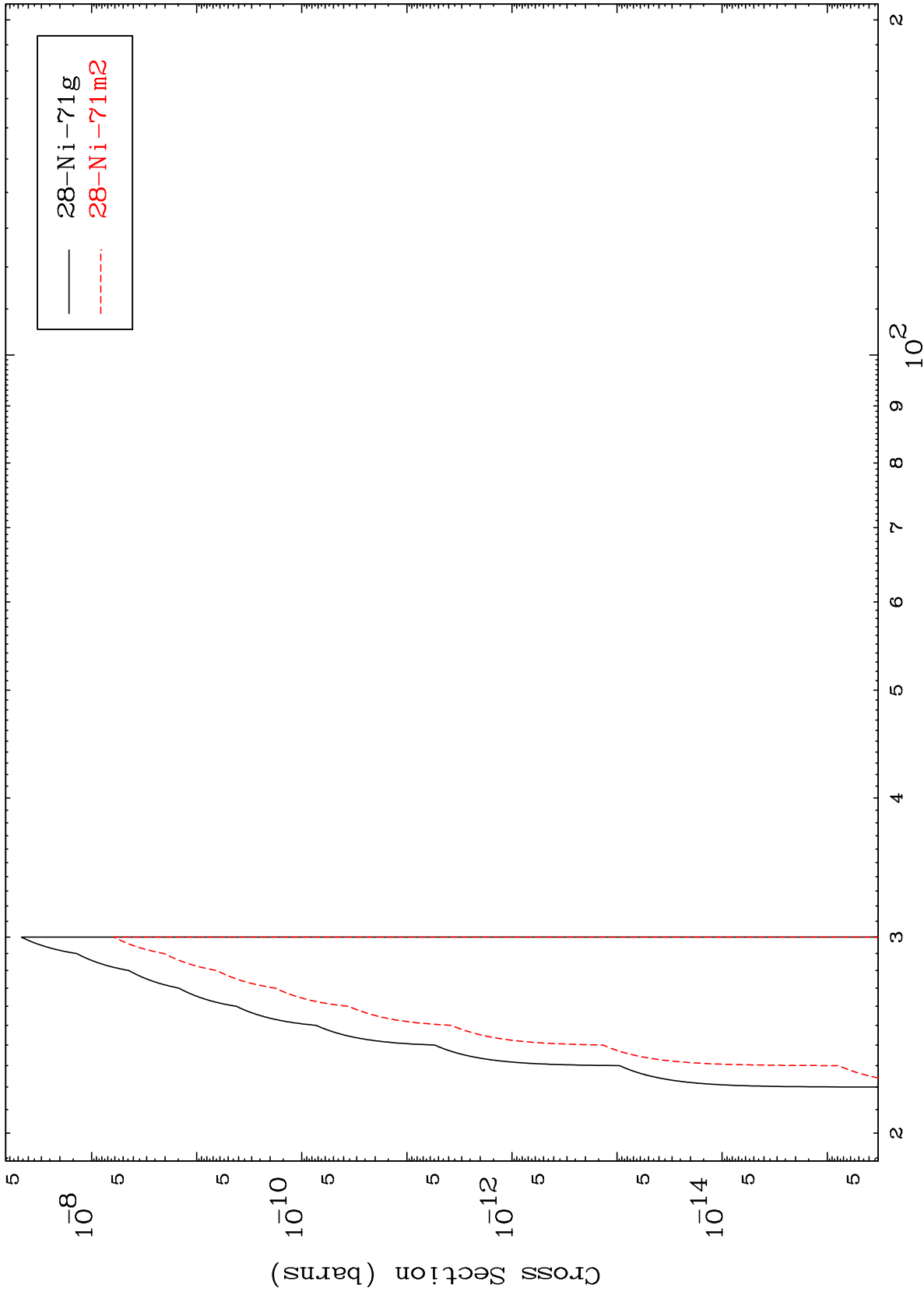
30-Zn-72

Incident Energy (MeV)

MAT 3049

30-Zn-72

(n,2p)  
Radionuclide Production Cross Section



119

30-Zn-72

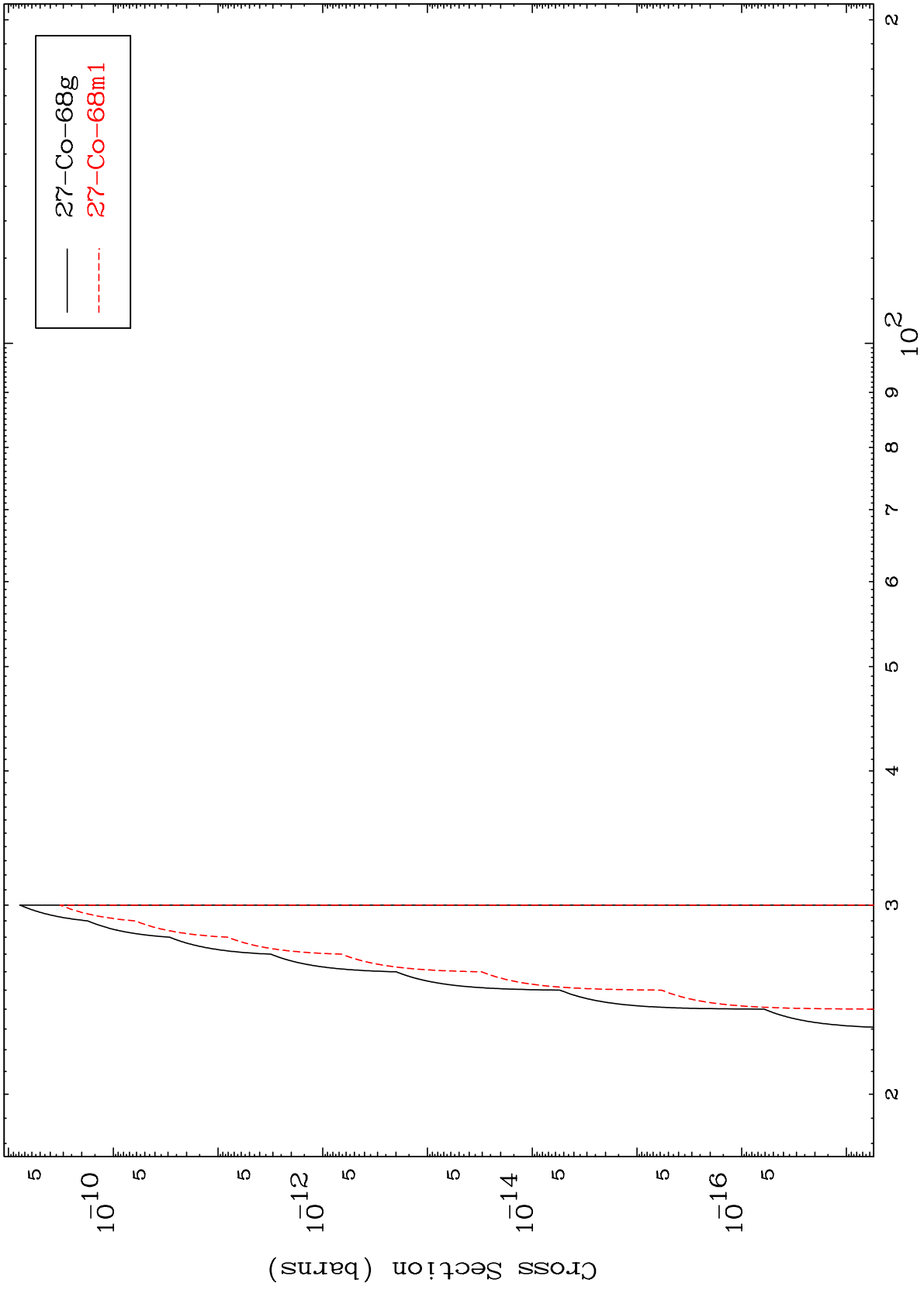


MAT 3049

(n,p)  $\alpha$

$^{30}\text{Zn-72}$

Radionuclide Production Cross Section



120

Incident Energy (MeV)

$^{30}\text{Zn-72}$