

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

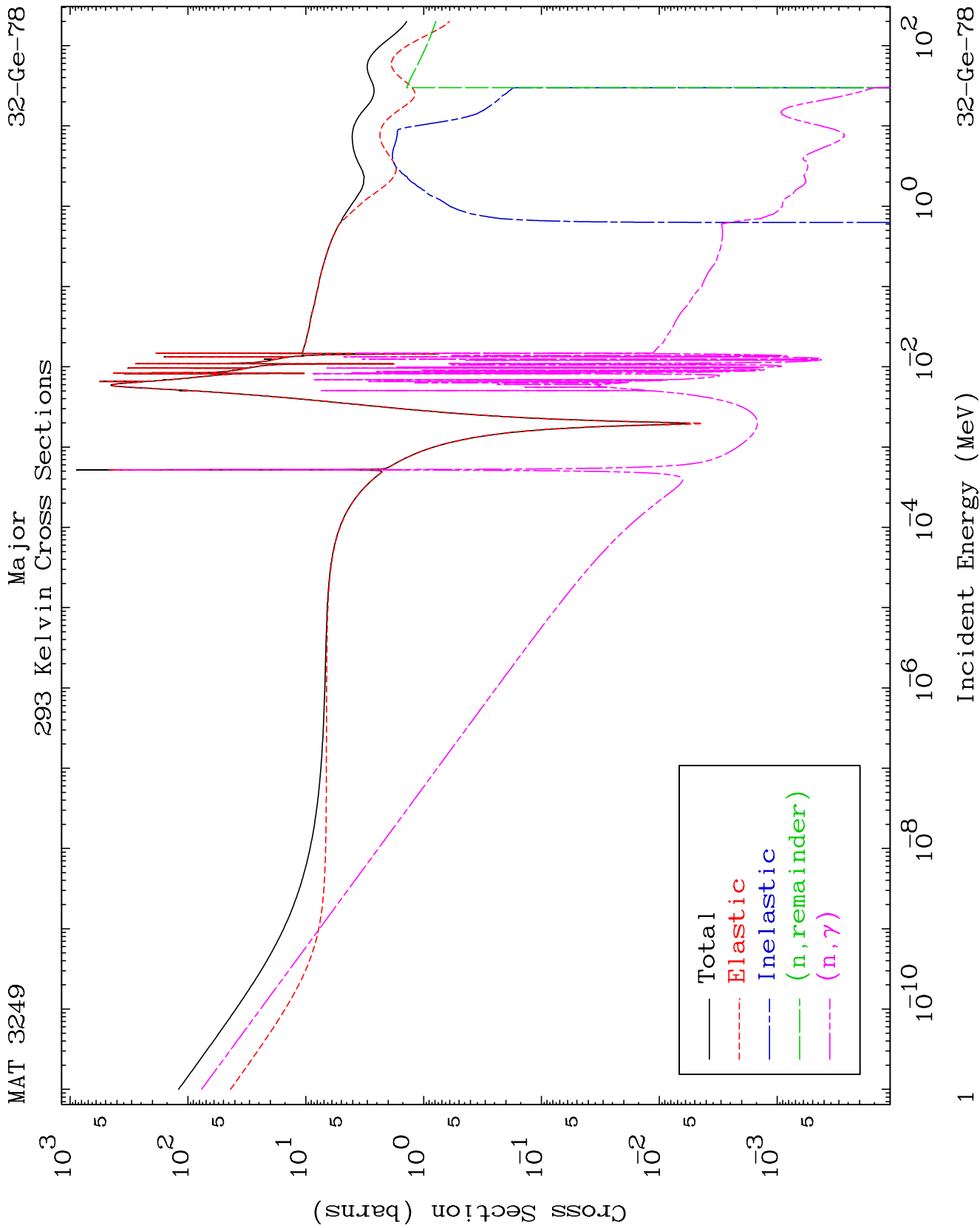
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Tele: 925-443-1911

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Web:redcullen1.net/HOMEPAGE.NEW

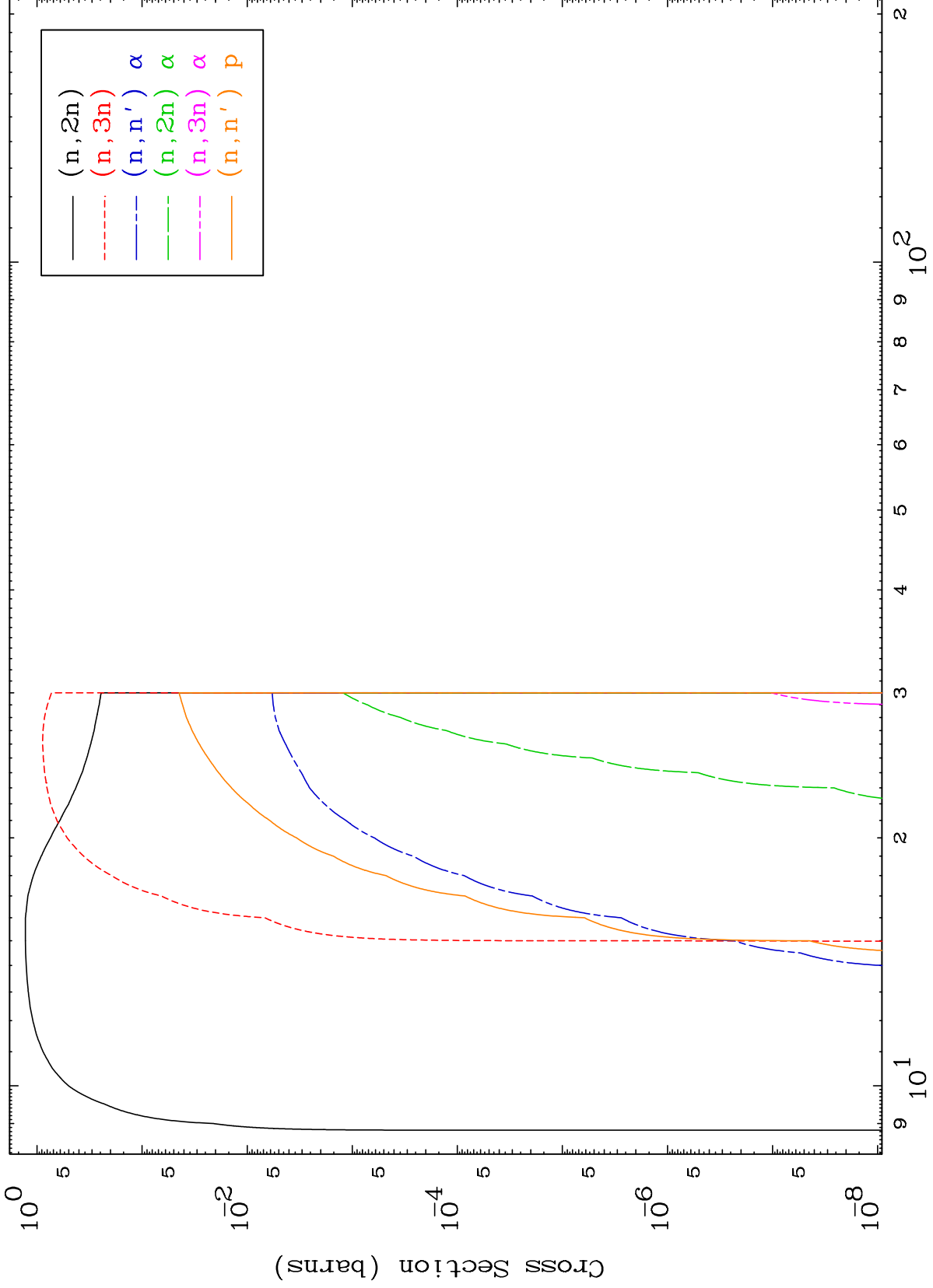
Press Mouse Button to Start



MAT 3249

Neutron Production
293 Kelvin Cross Sections

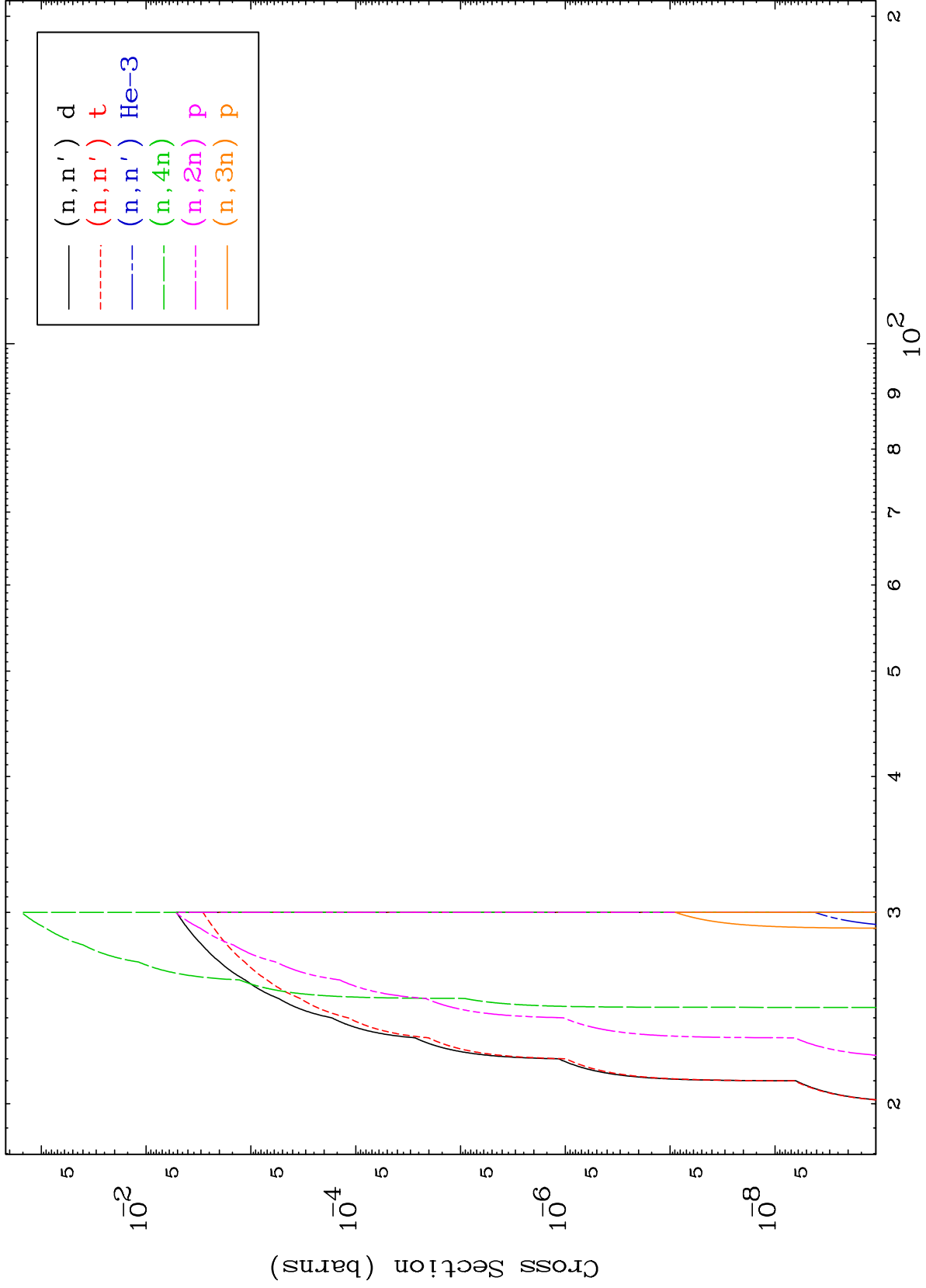
32-Ge-78



2

Incident Energy (MeV)

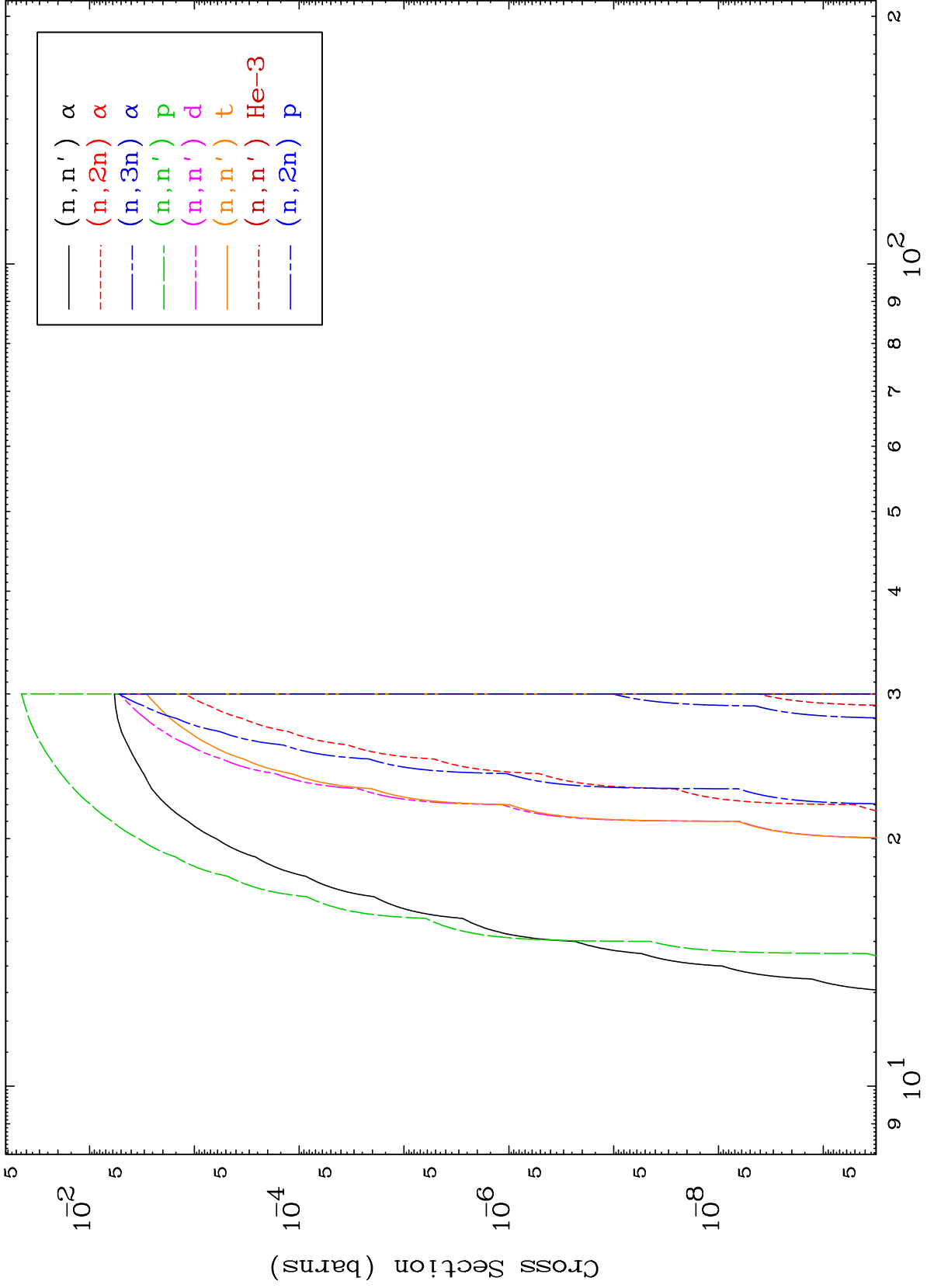
32-Ge-78



MAT 3249

Charged Particle
293 Kelvin Cross Sections

³²Ge-78



4

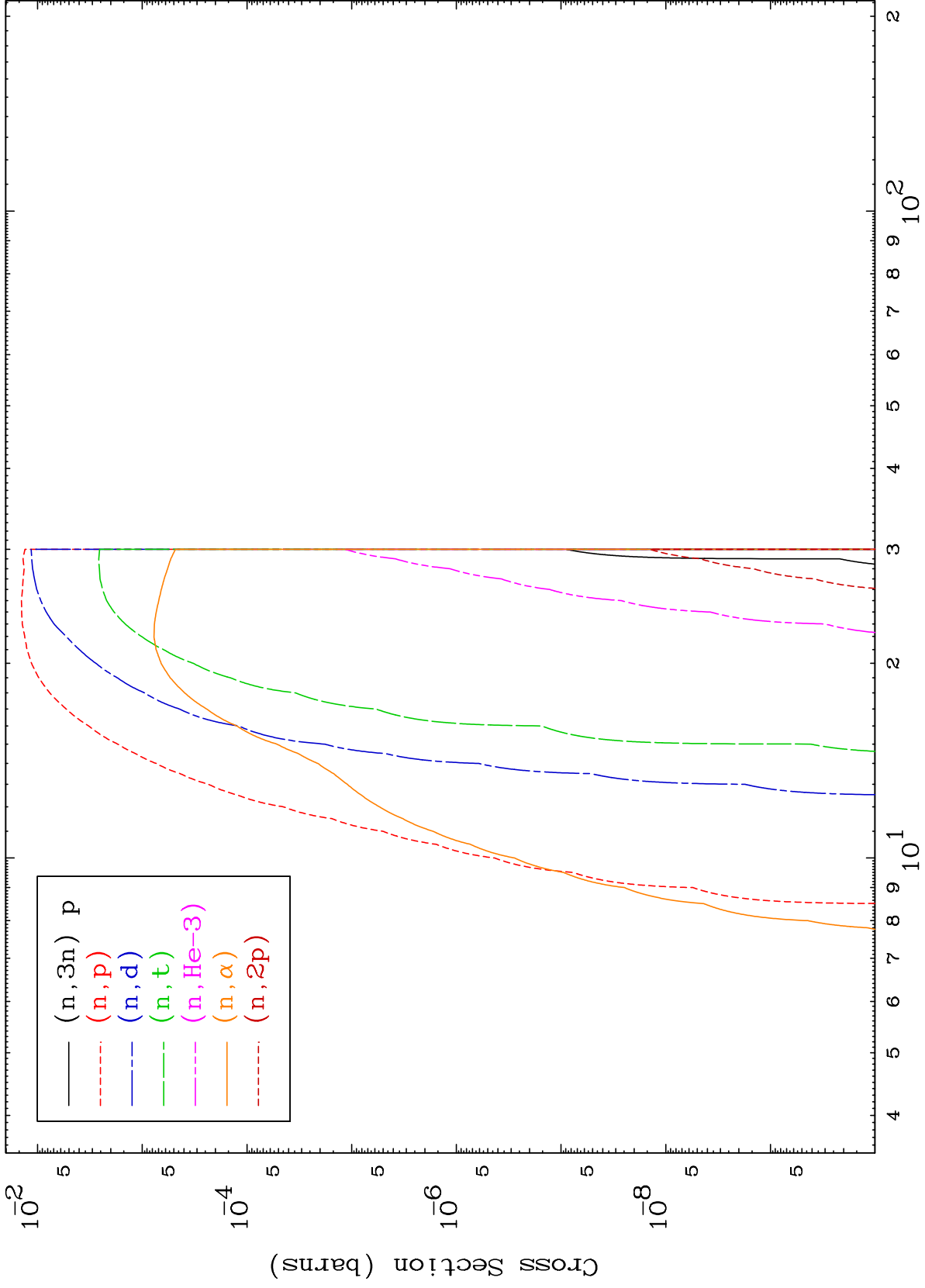
Incident Energy (MeV)

³²Ge-78

MAT 3249

Charged Particle
293 Kelvin Cross Sections

³²Ge-78



5

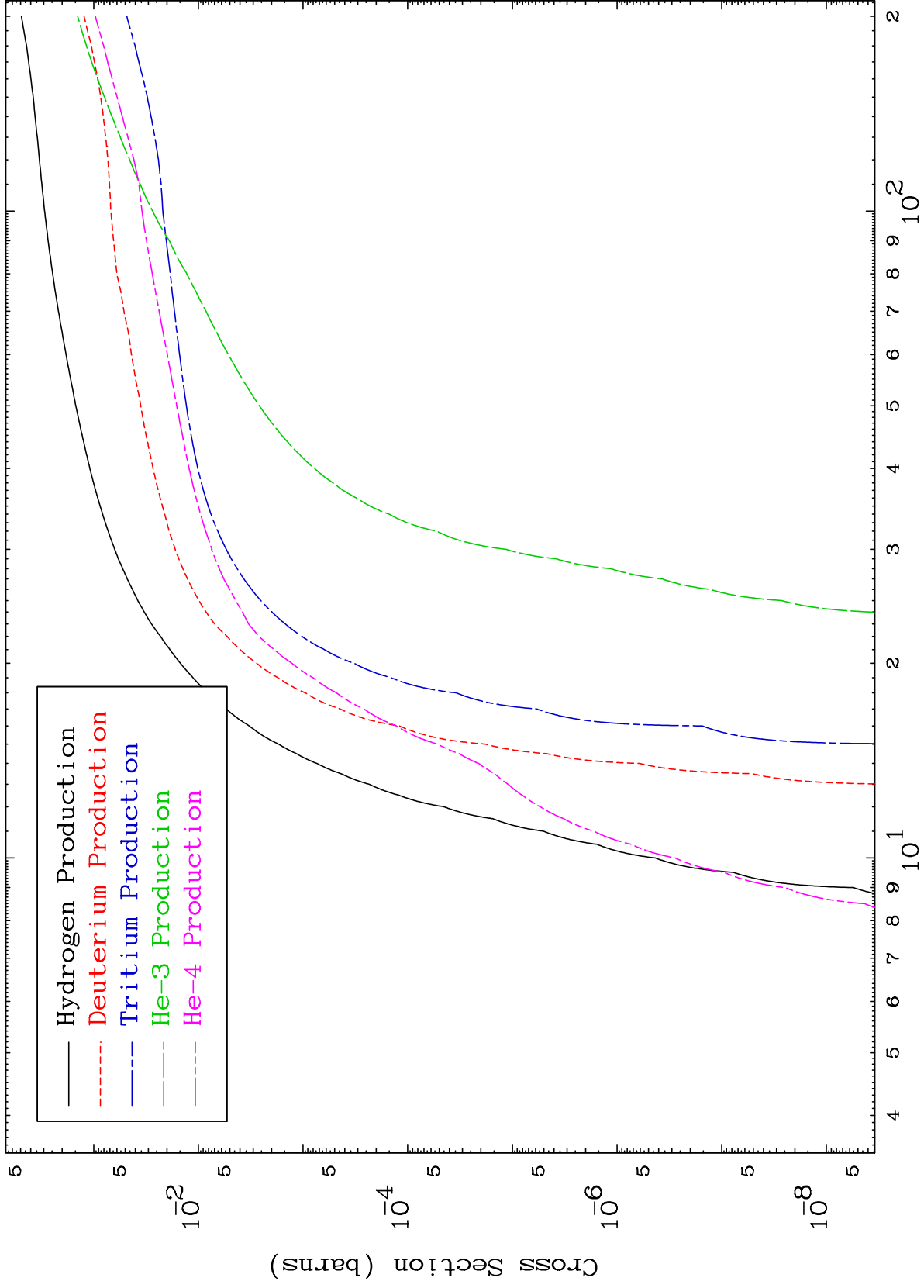
Incident Energy (MeV)

³²Ge-78

MAT 3249

Particle Production
293 Kelvin Cross Sections

32-Ge-78



6

Incident Energy (MeV)

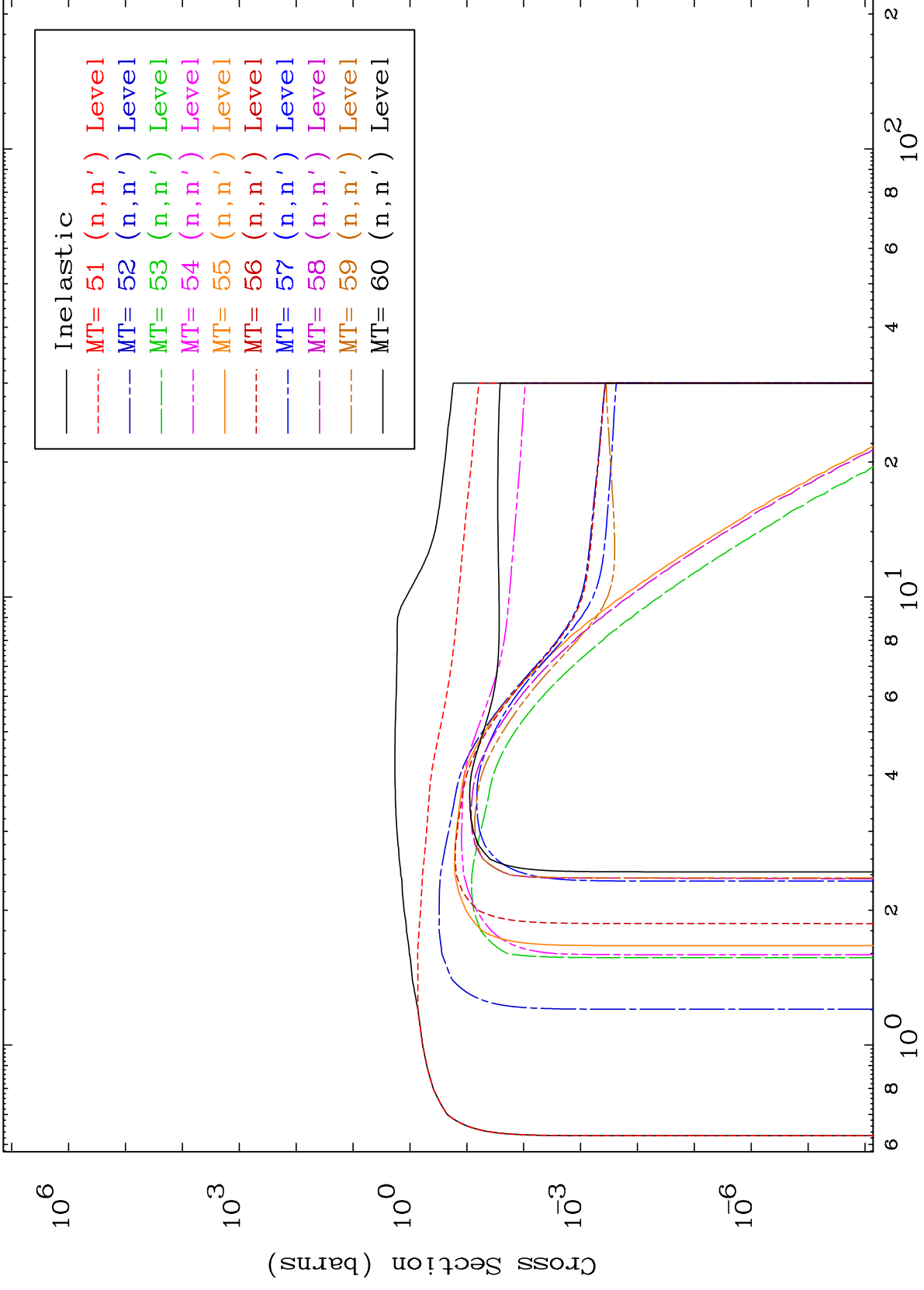
32-Ge-78

MAT 3249

(n,n') Level

32-Ge-78

293 Kelvin Cross Sections

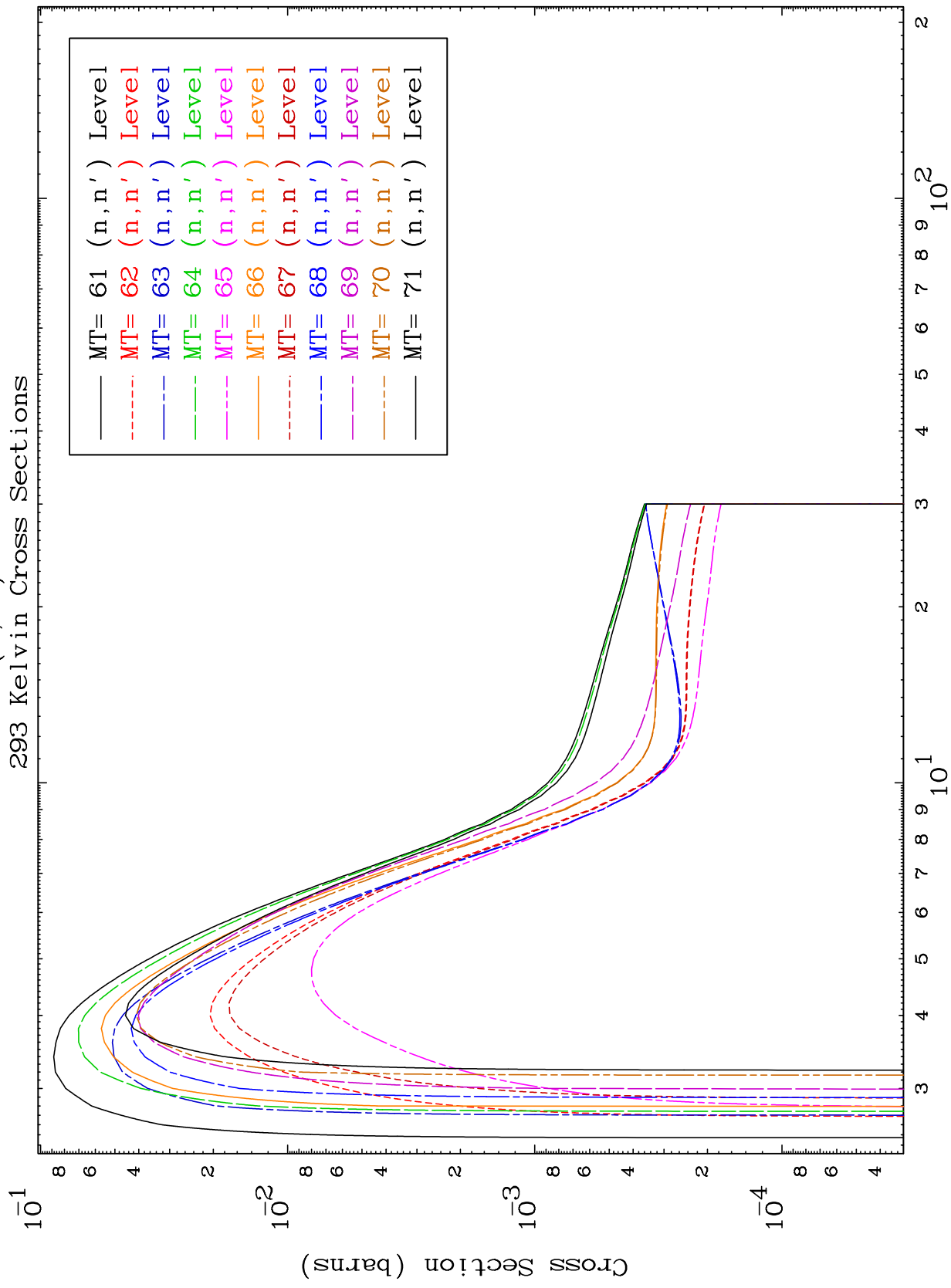


MAT 3249

(n,n') Level

32-Ge-78

293 Kelvin Cross Sections



8

Incident Energy (MeV)

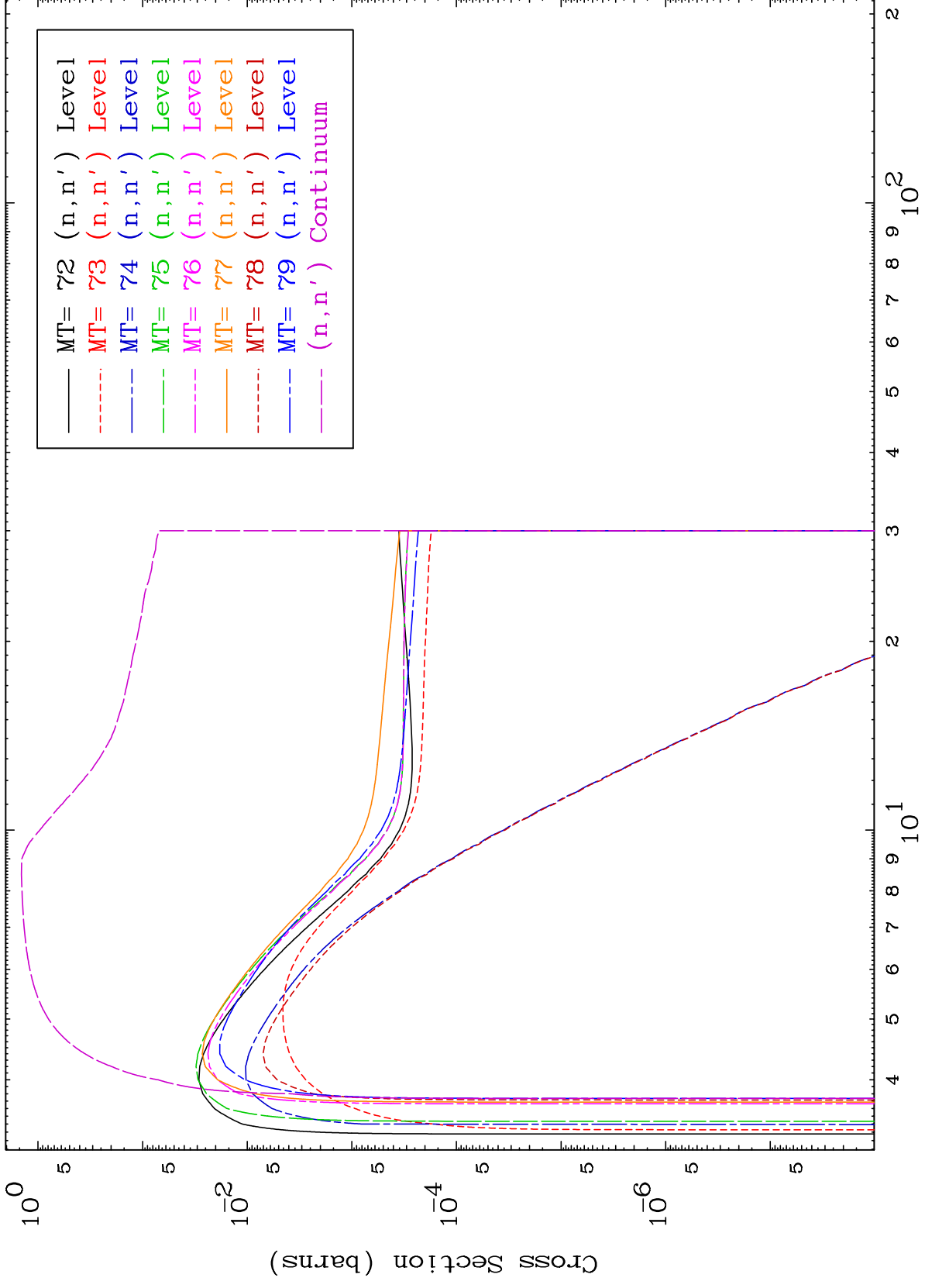
32-Ge-78

MAT 3249

(n,n') Level

32-Ge-78

293 Kelvin Cross Sections



9

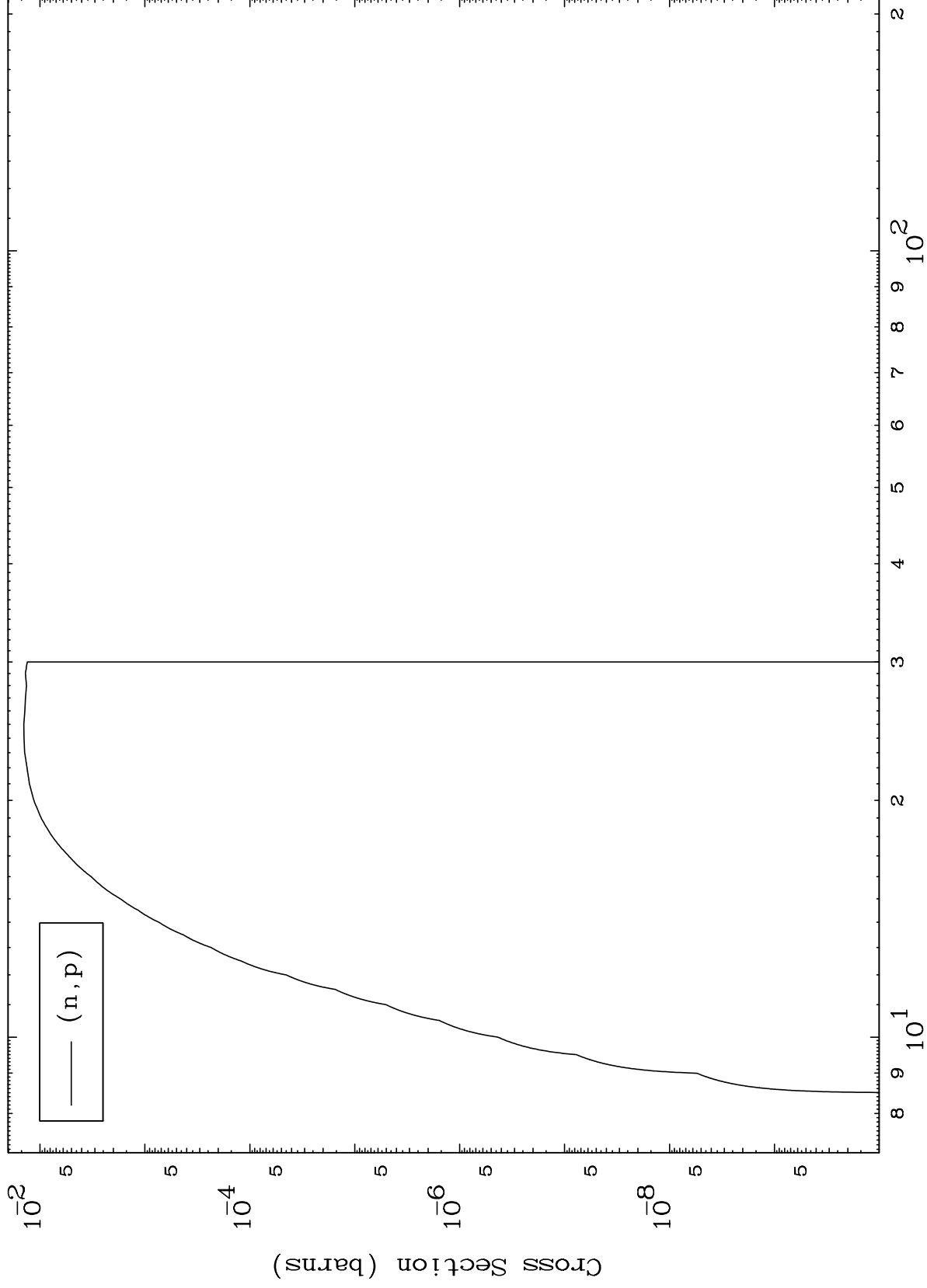
Incident Energy (MeV)

32-Ge-78

MAT 3249

(n,p) Levels
293 Kelvin Cross Sections

³²Ge-78



10

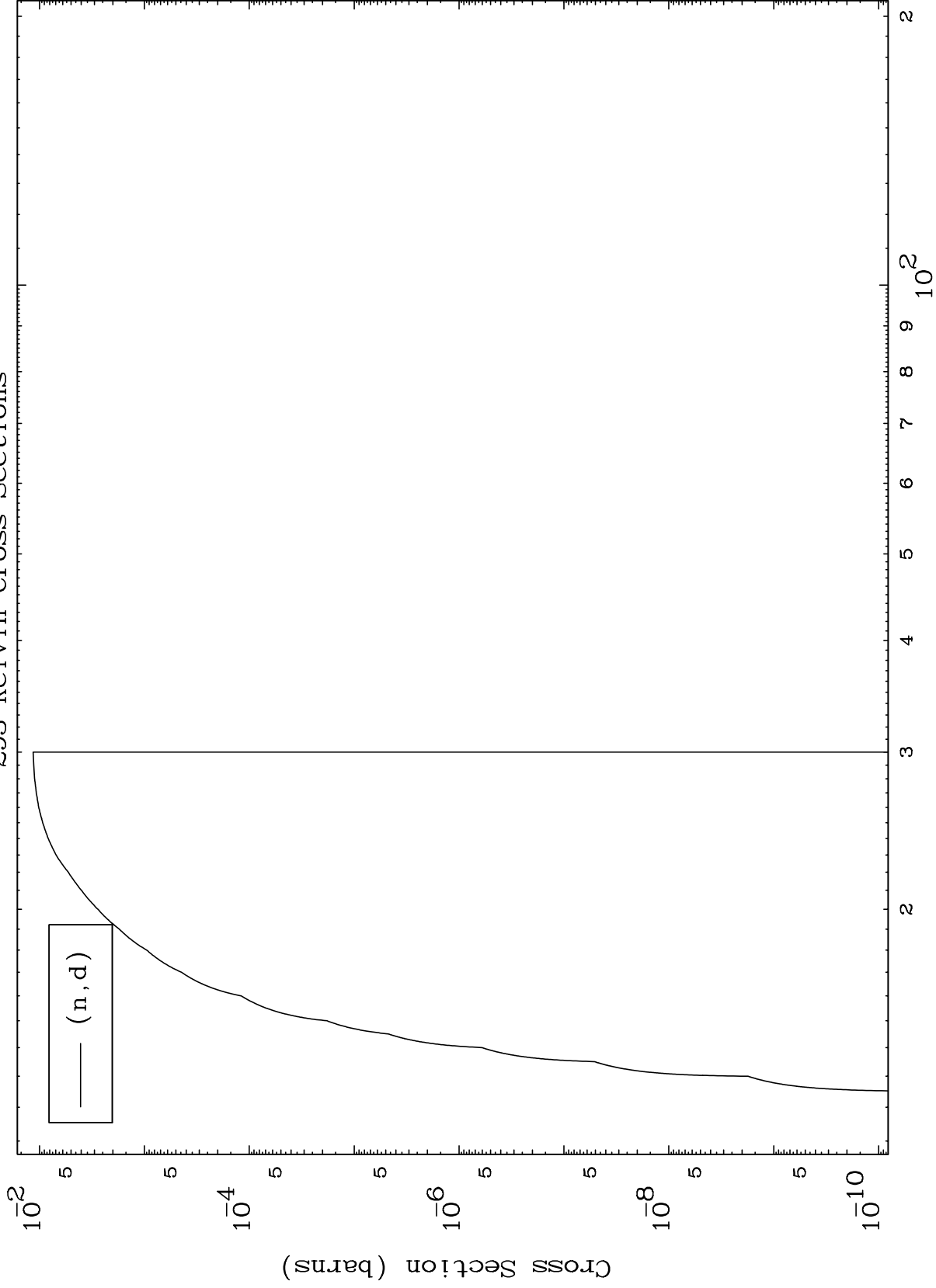
Incident Energy (MeV)

³²Ge-78

MAT 3249

(n,d) Levels
293 Kelvin Cross Sections

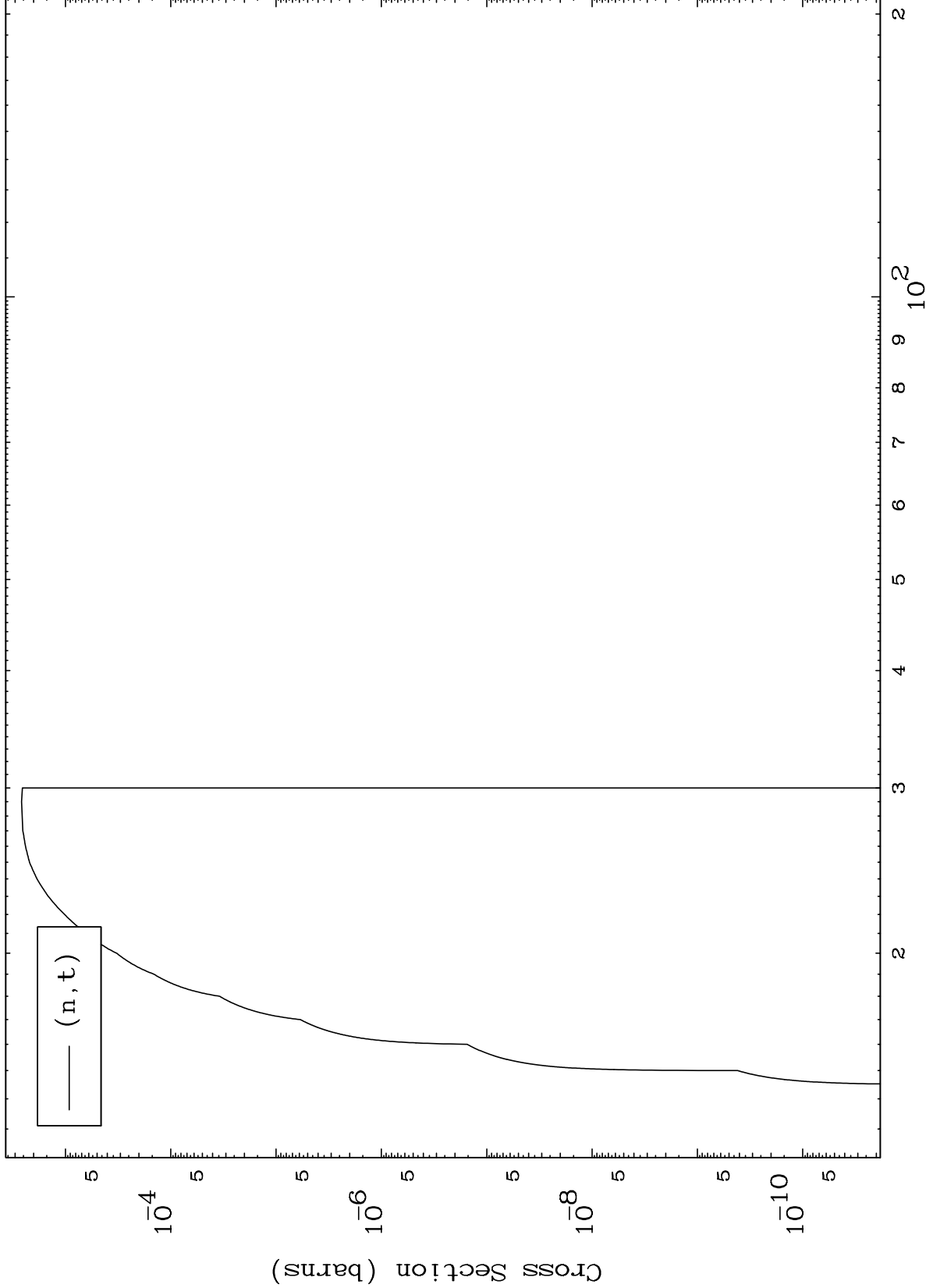
³²Ge-78



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Incident Energy (MeV)

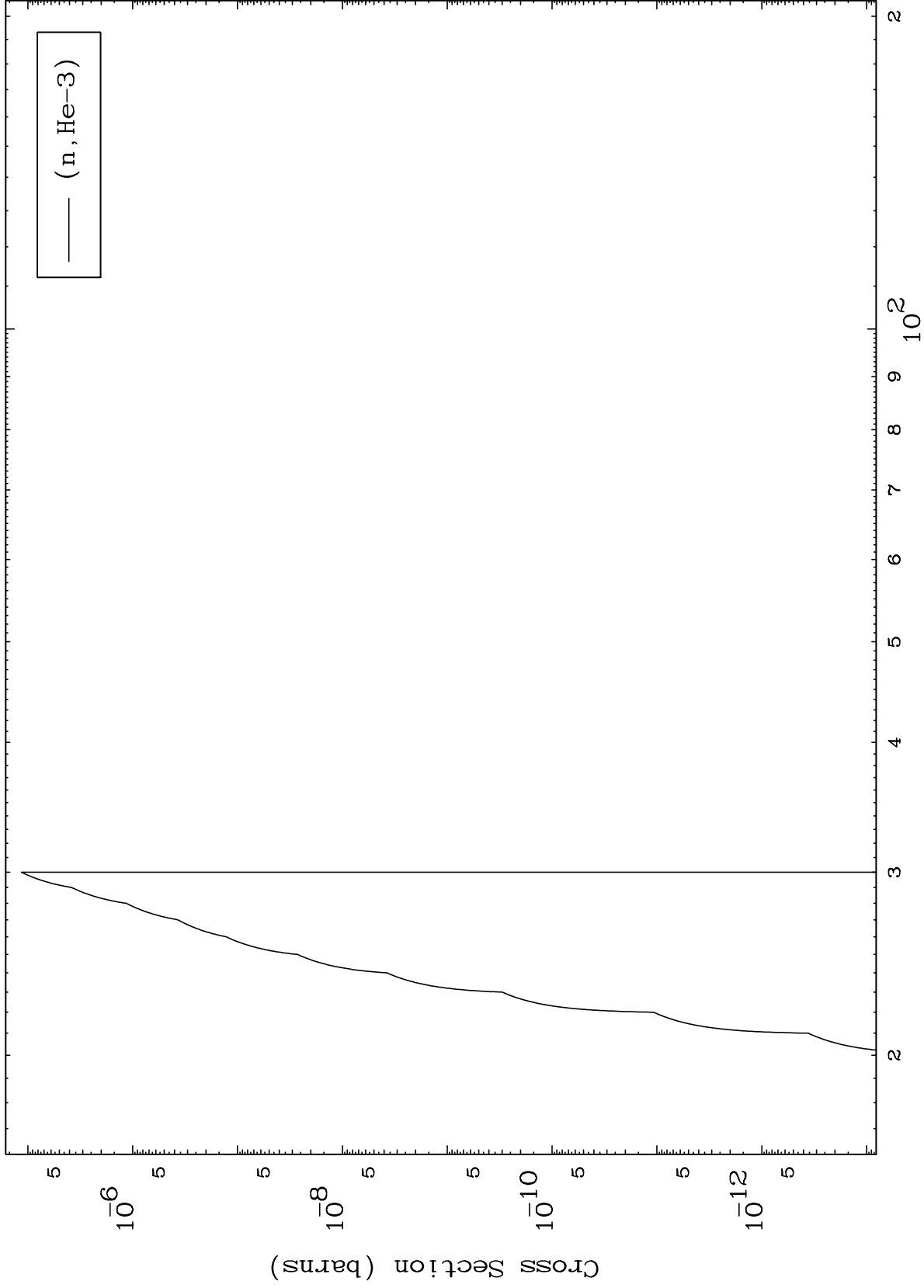
³²Ge-78



MAT 3249

(n,He3) Levels
293 Kelvin Cross Sections

32-Ge-78



13

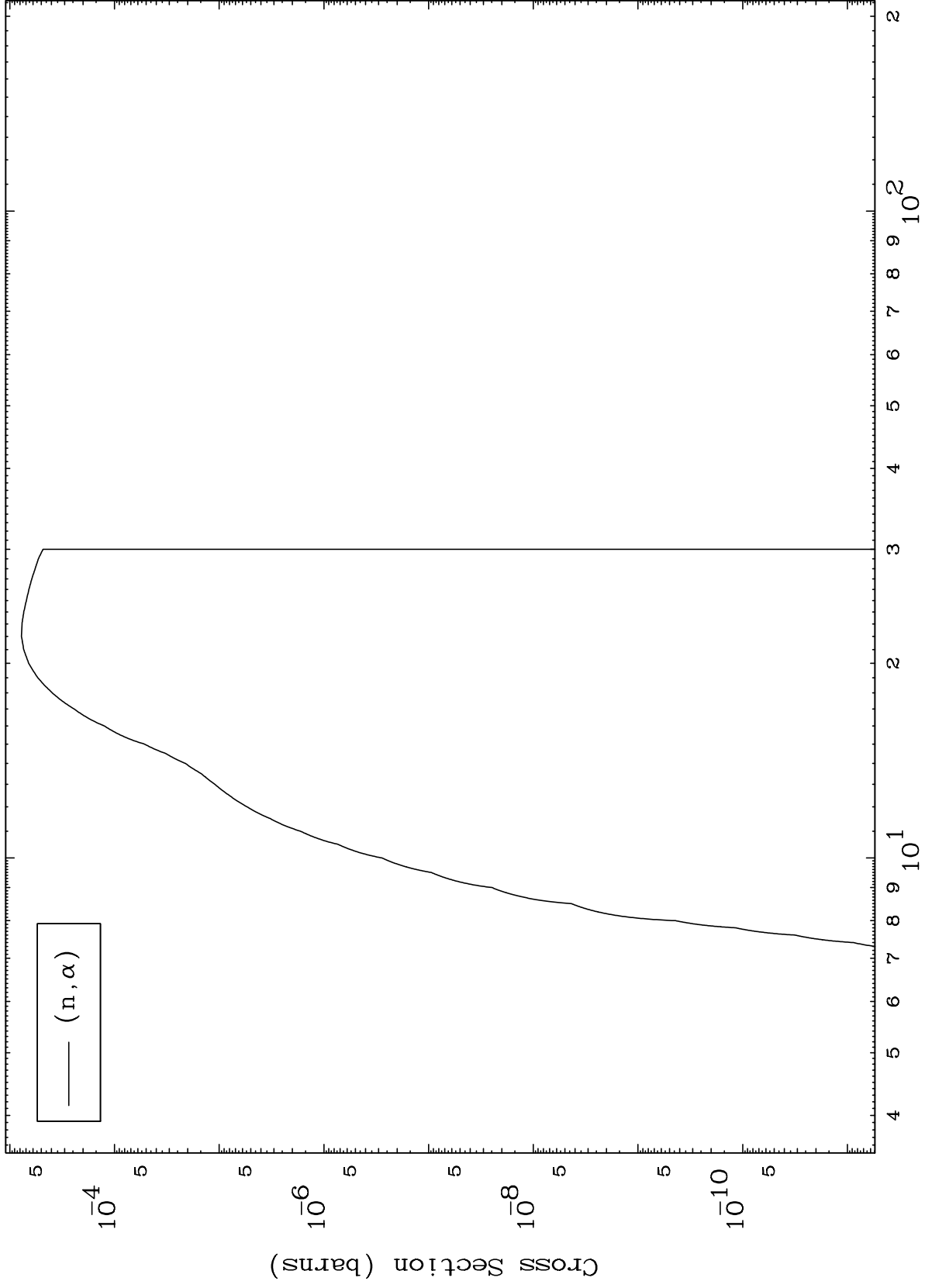
Incident Energy (MeV)

32-Ge-78

MAT 3249

(n, α) Levels
293 Kelvin Cross Sections

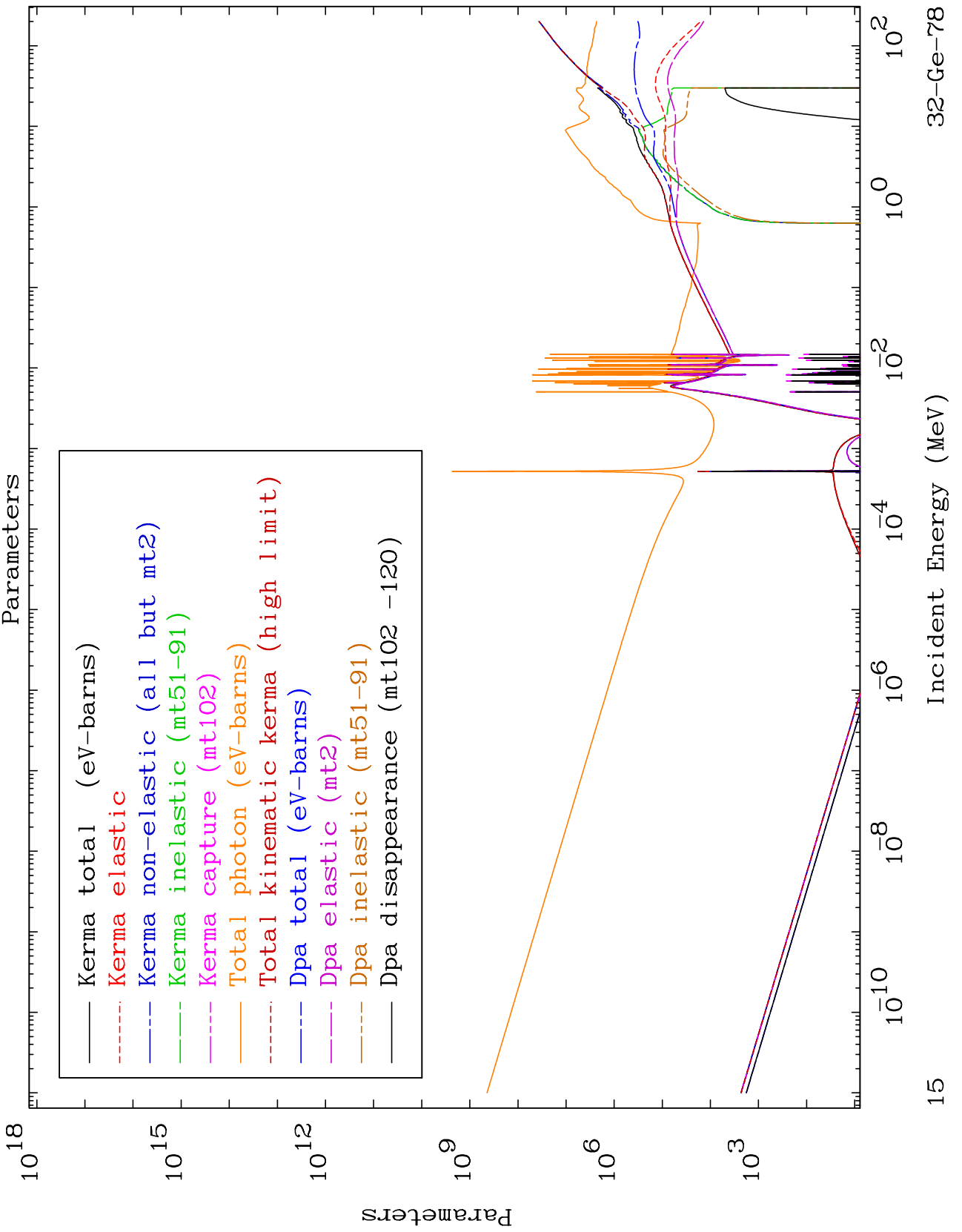
32-Ge-78



14

Incident Energy (MeV)

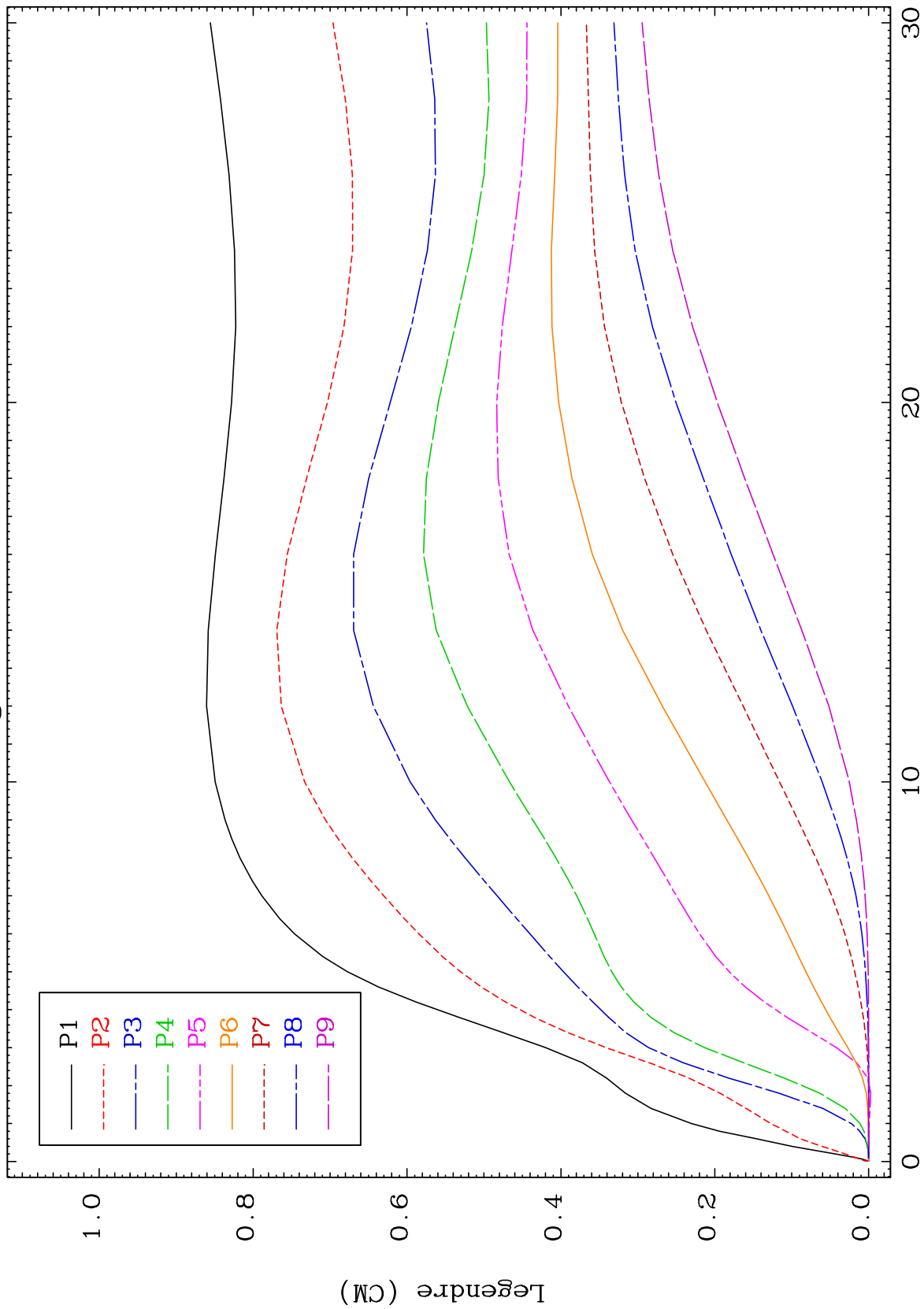
32-Ge-78



MAT 3249

Elastic Legendre Coefficients

³²Ge-78



16

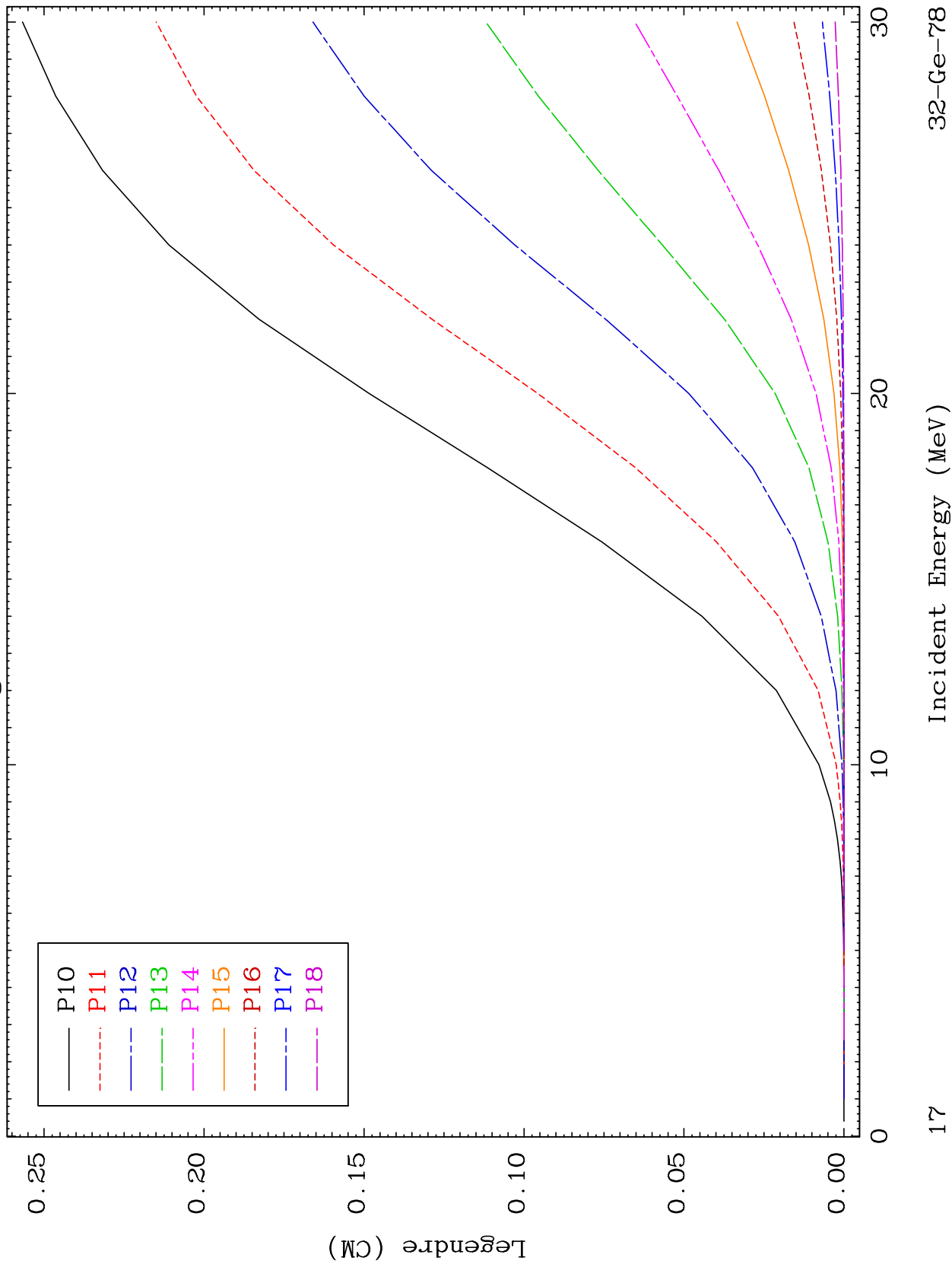
Incident Energy (MeV)

³²Ge-78

MAT 3249

Elastic Legendre Coefficients

³²Ge-78



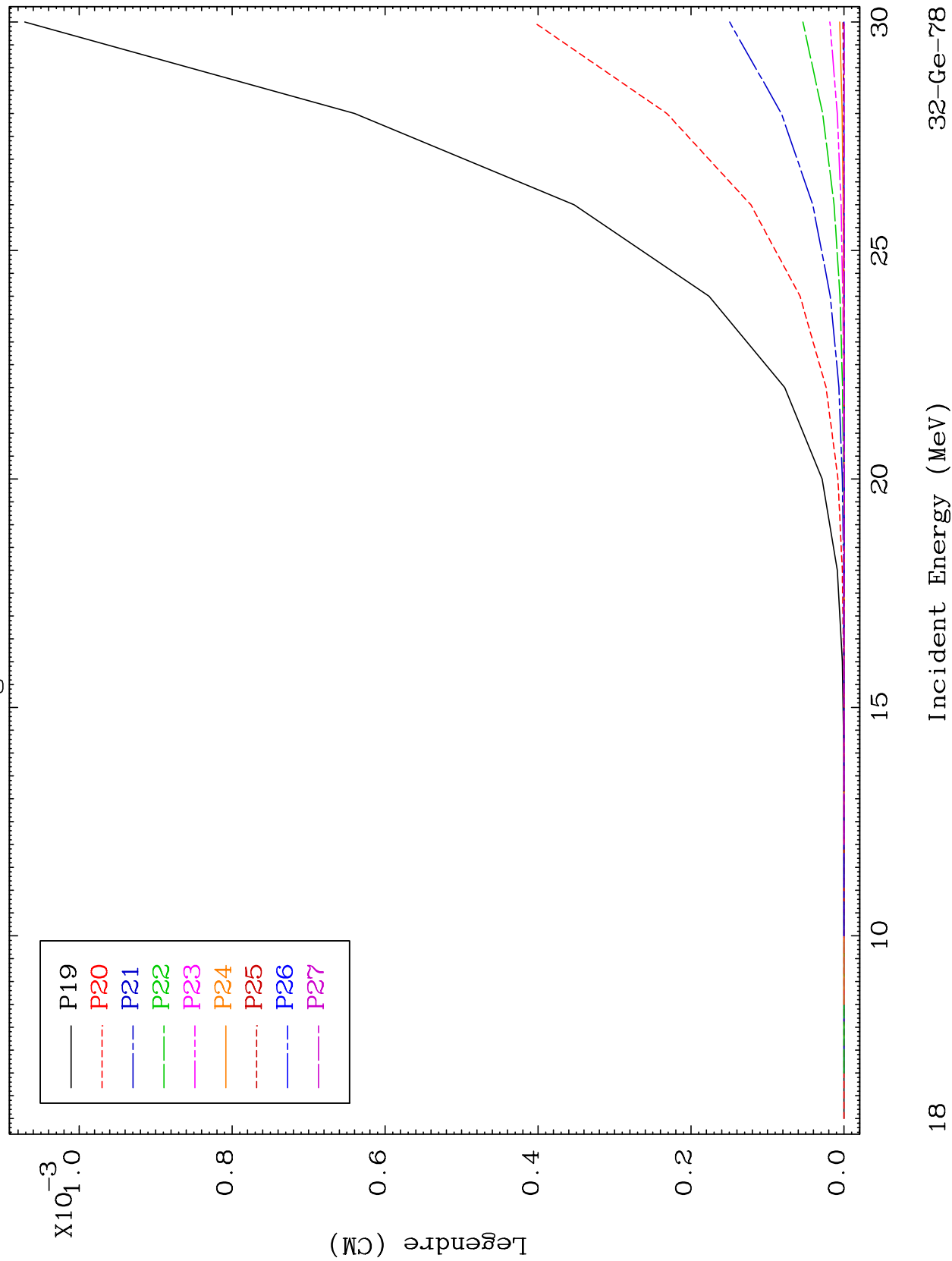
17

³²Ge-78

MAT 3249

Elastic Legendre Coefficients

³²Ge-78



18

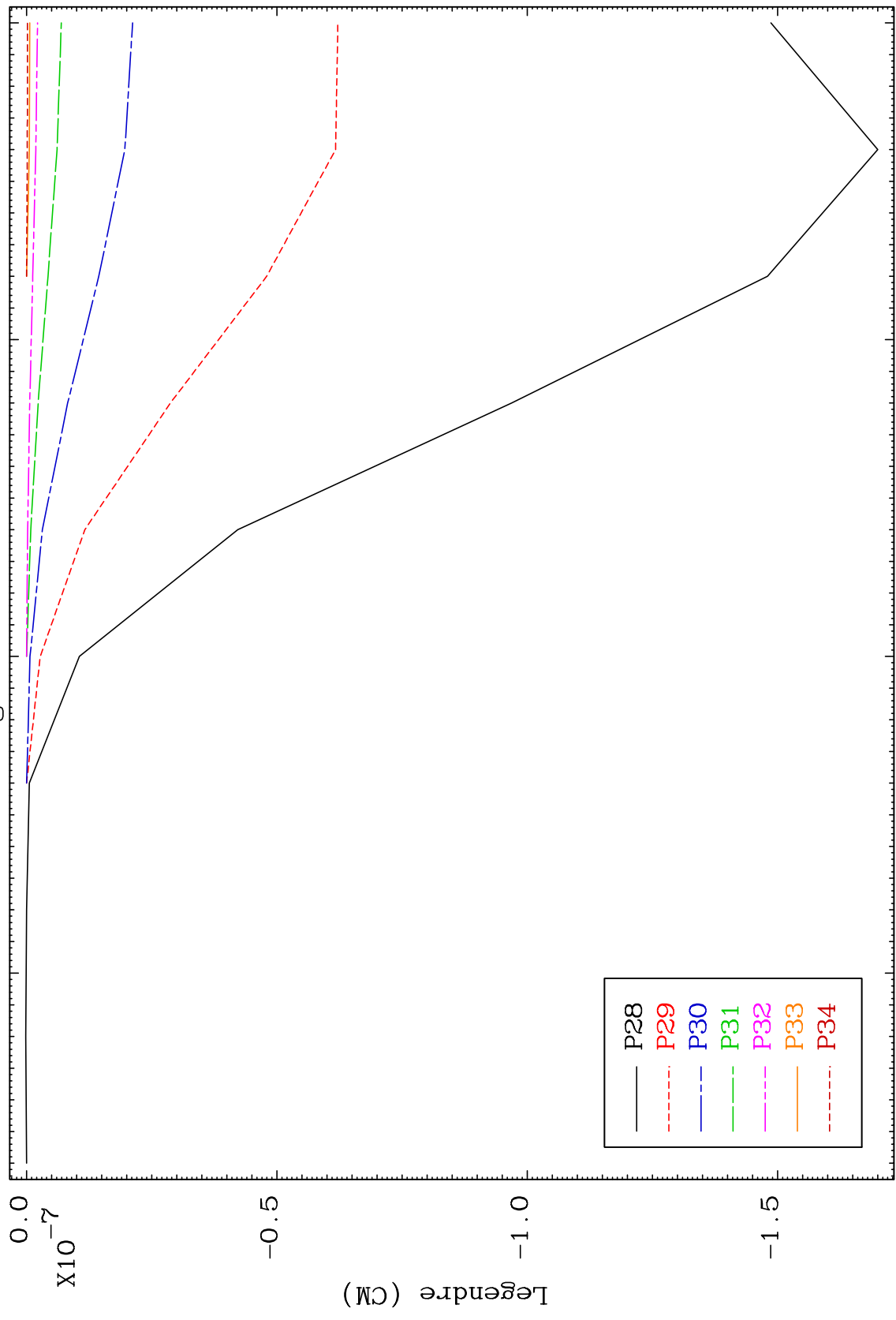
Incident Energy (MeV)

³²Ge-78

MAT 3249

32-Ge-78

Elastic Legendre Coefficients



Legendre (CM)
X10⁻⁷

30

25

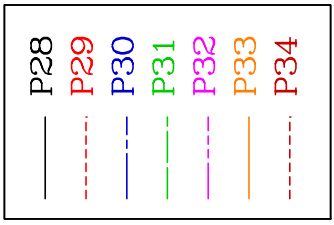
20

15

Incident Energy (MeV)

32-Ge-78

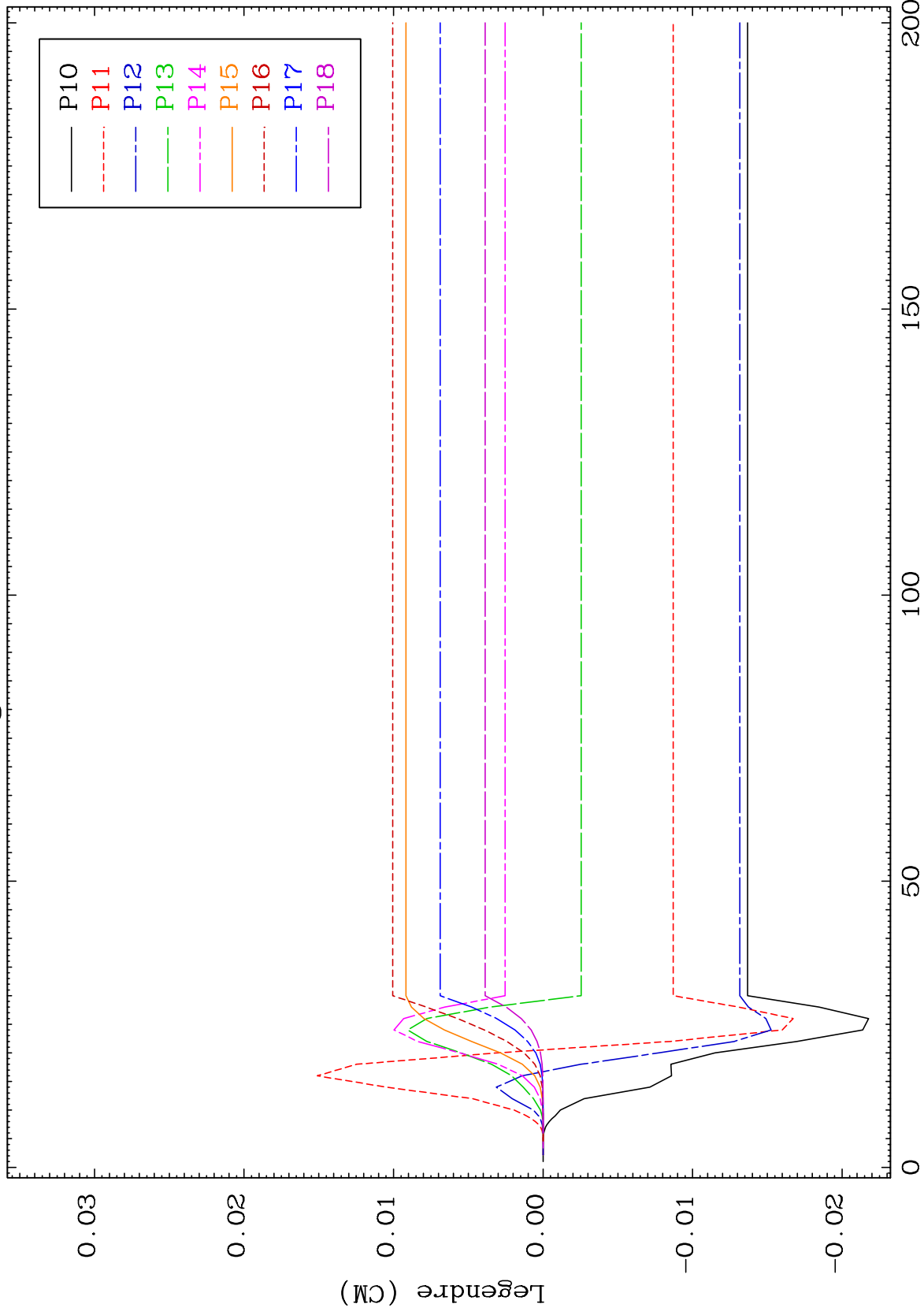
19



MAT 3249

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

32-Ge-78



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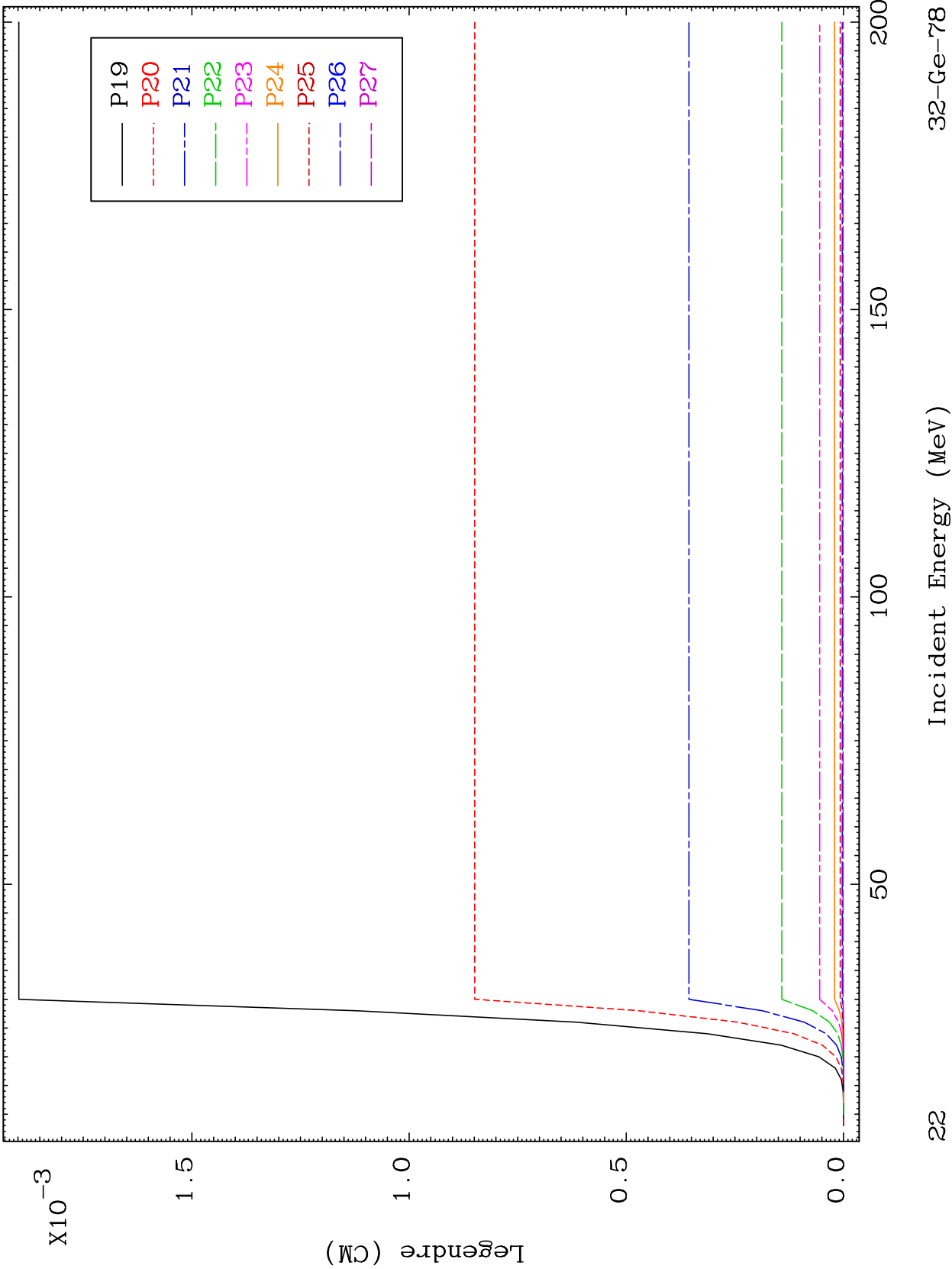
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

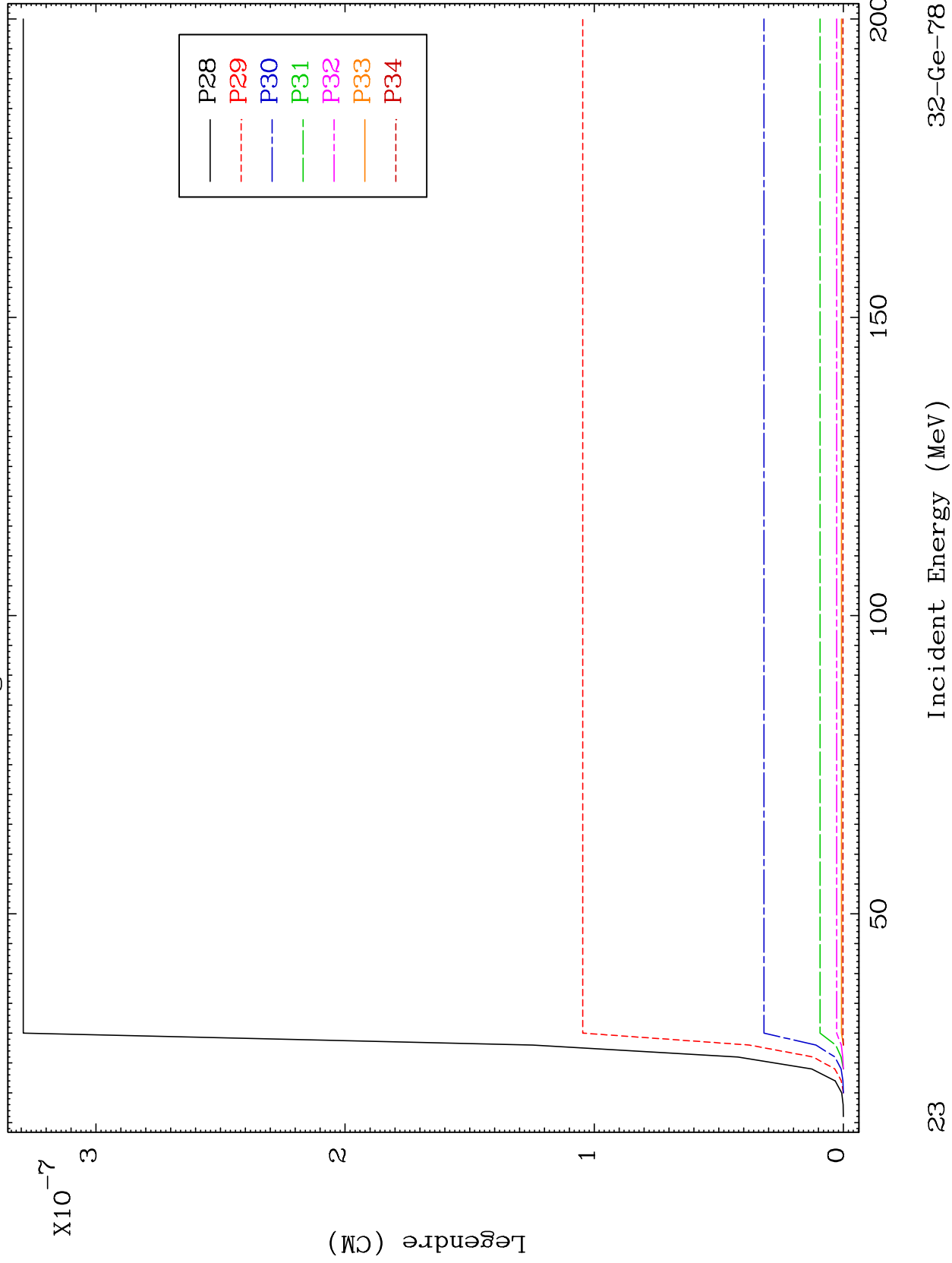
32-Ge-78



MAT 3249

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

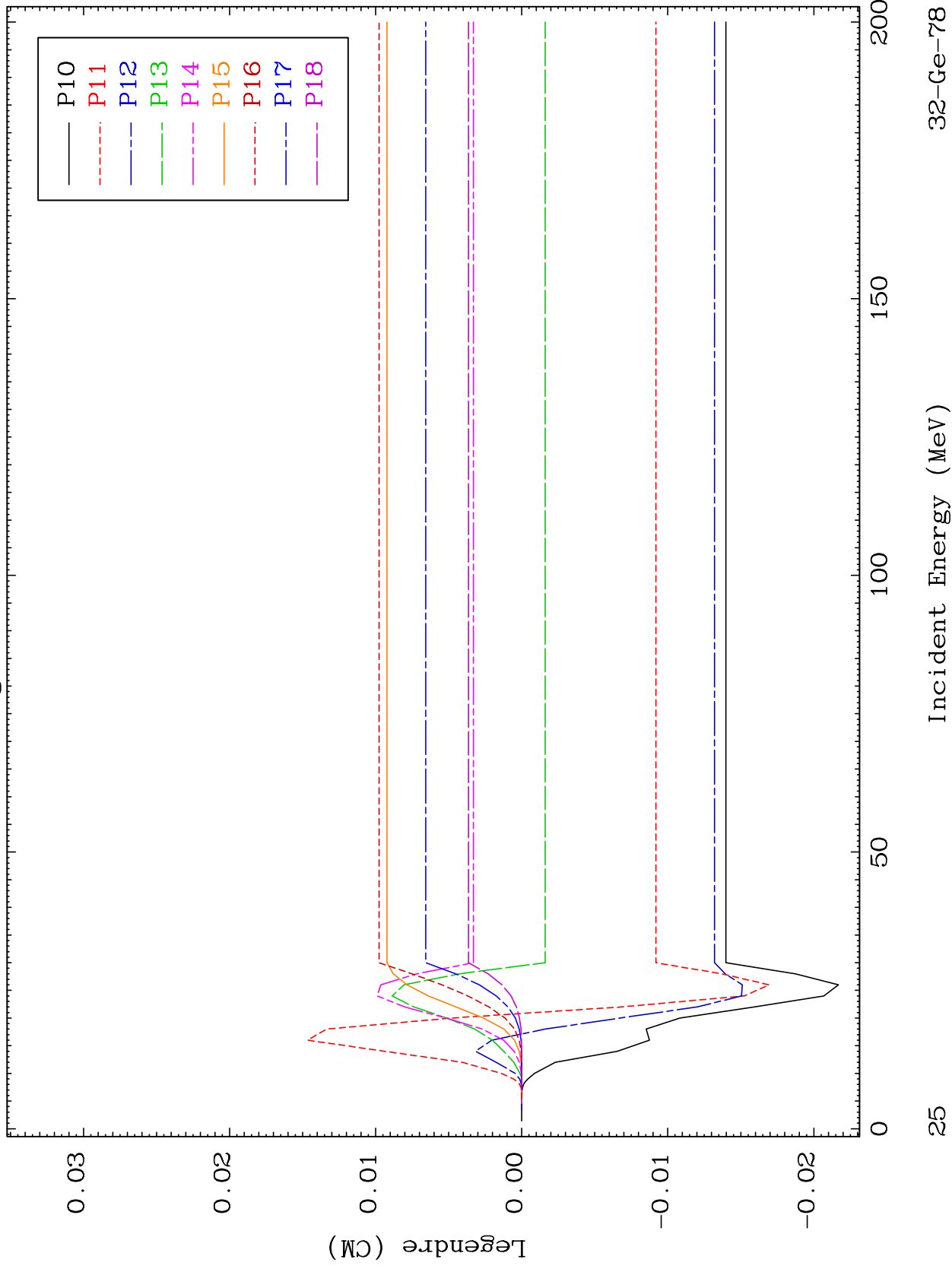
32-Ge-78



MAT 3249

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

32-Ge-78



32-Ge-78

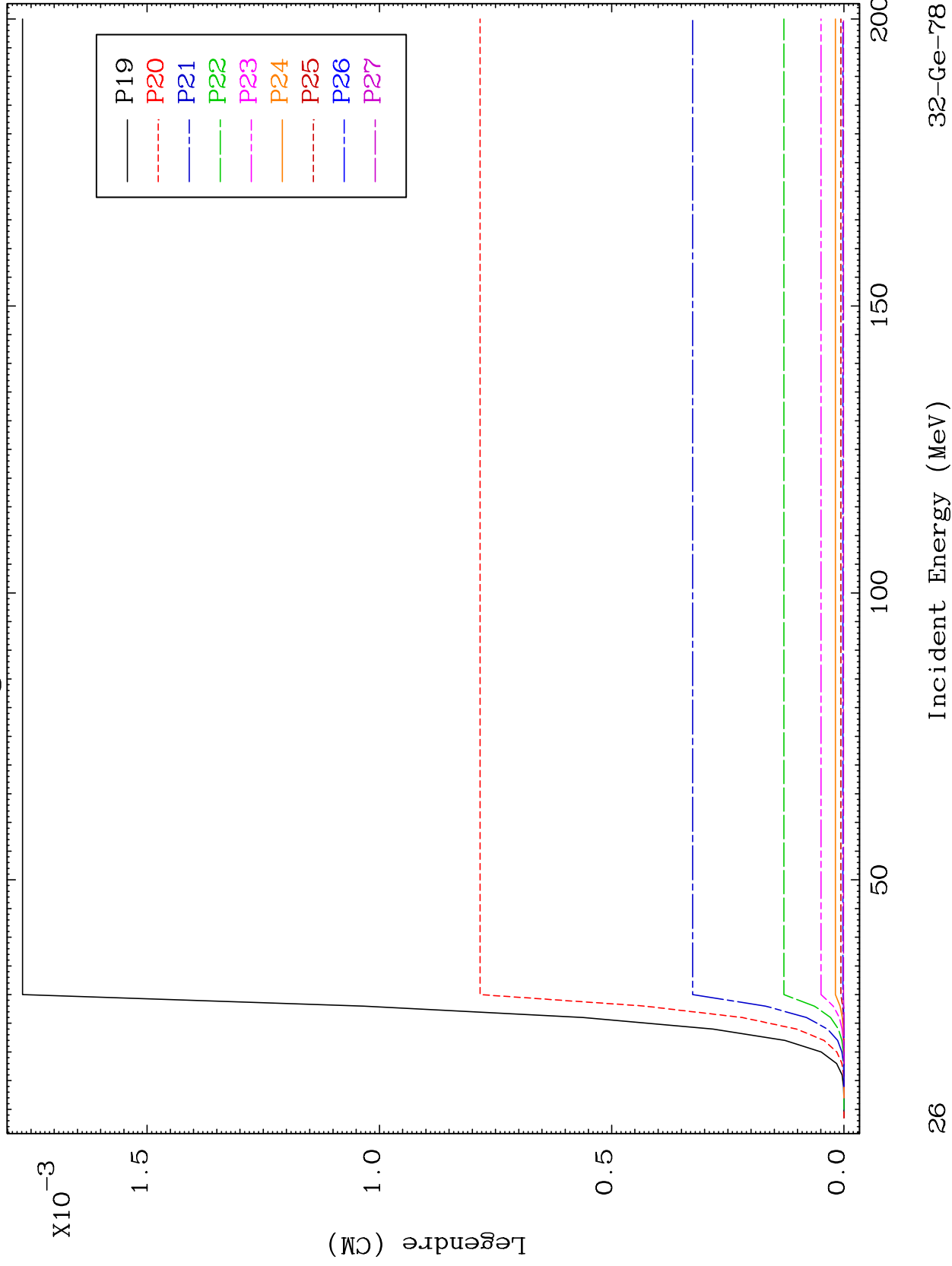
Incident Energy (MeV)

25

MAT 3249

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

32-Ge-78



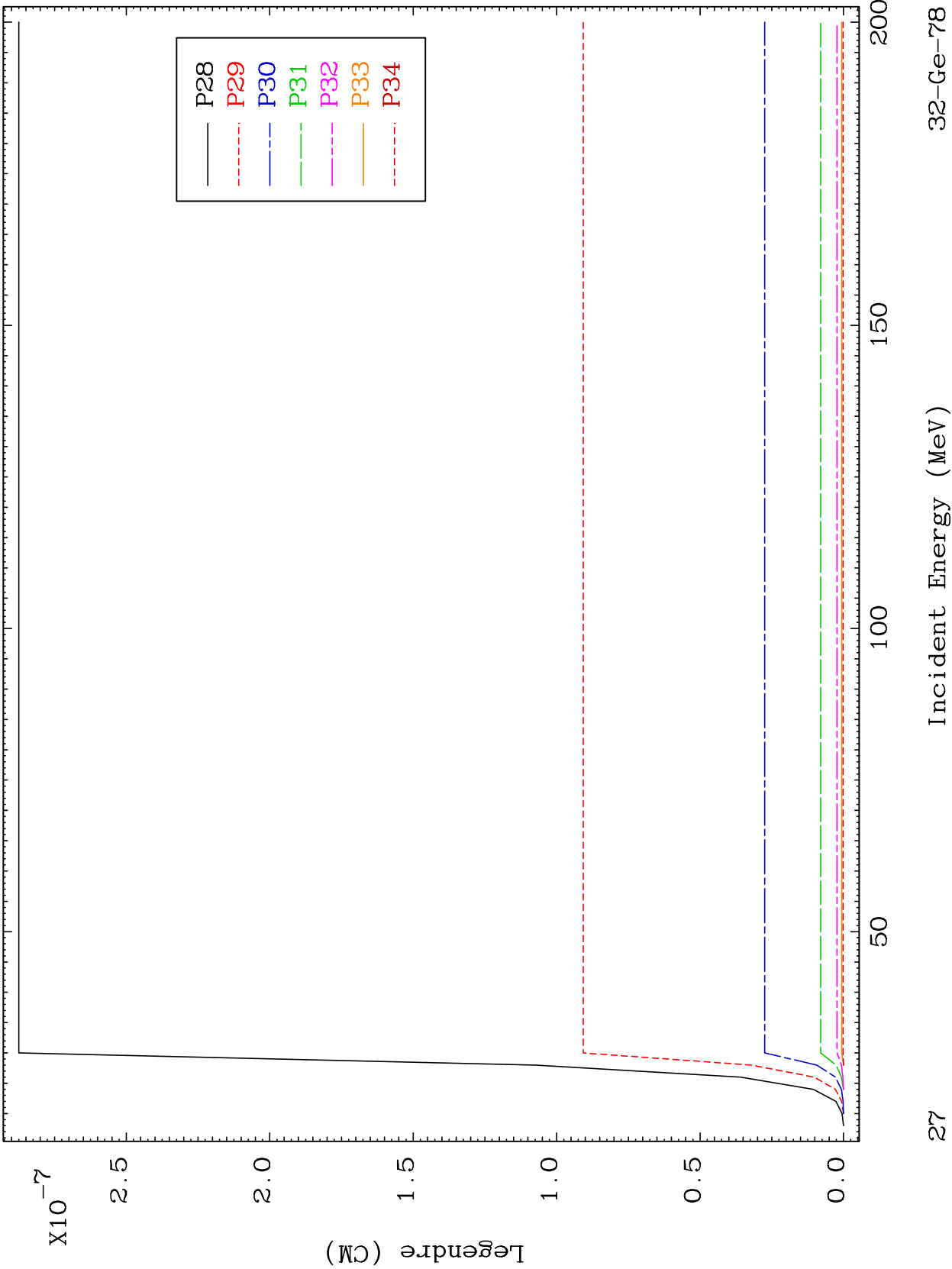
26

32-Ge-78

MAT 3249

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

32-Ge-78



27

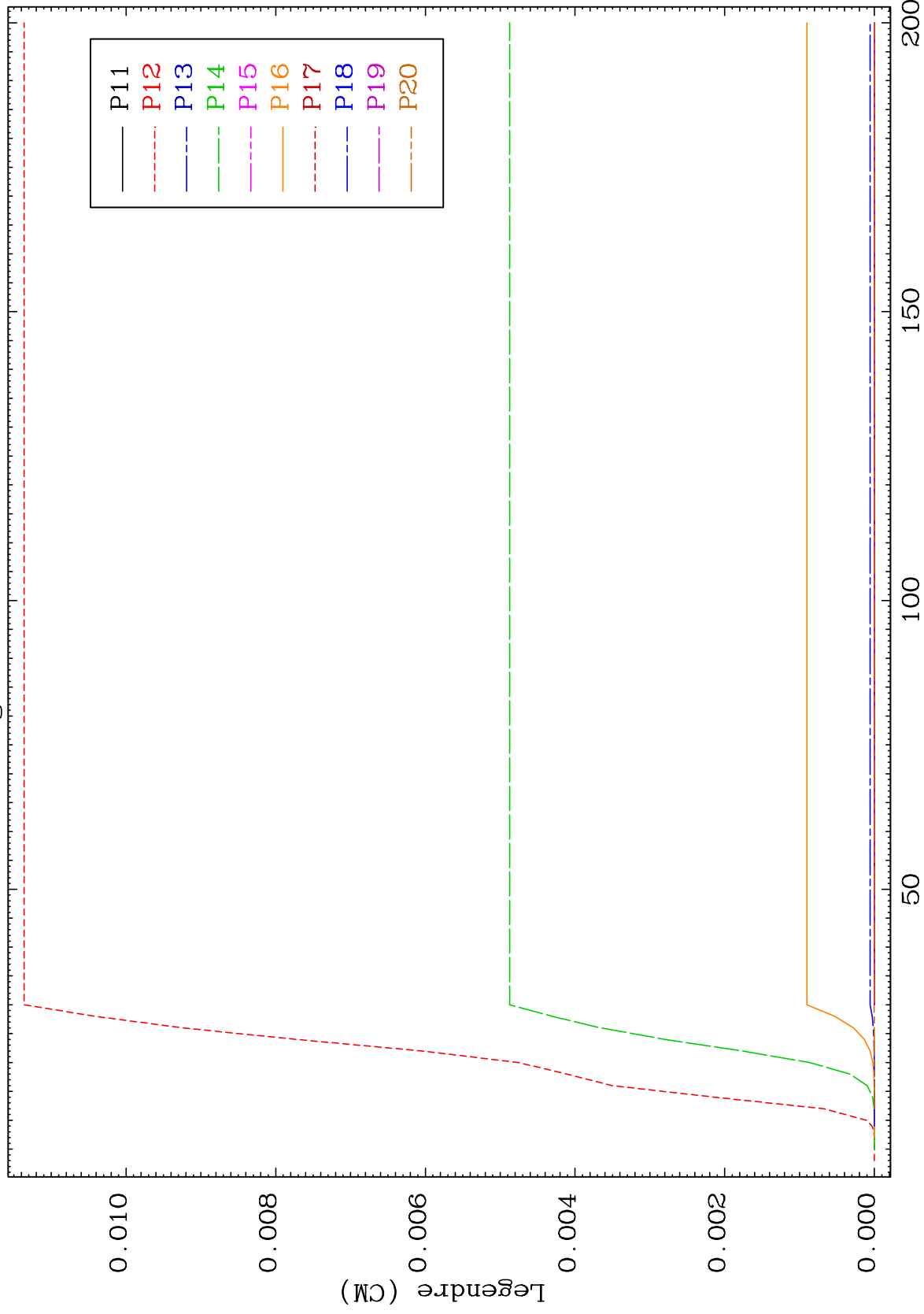
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



29

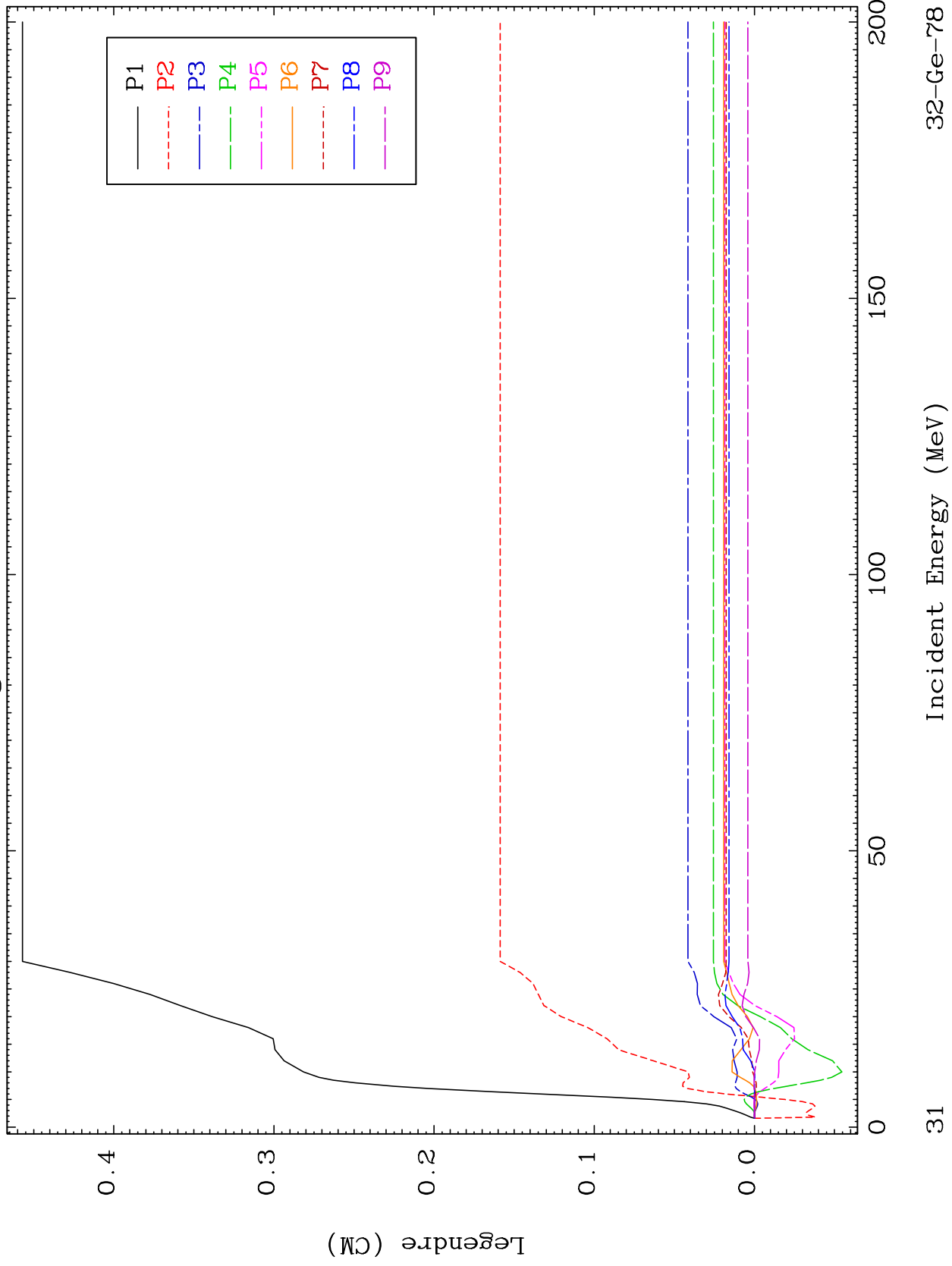
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



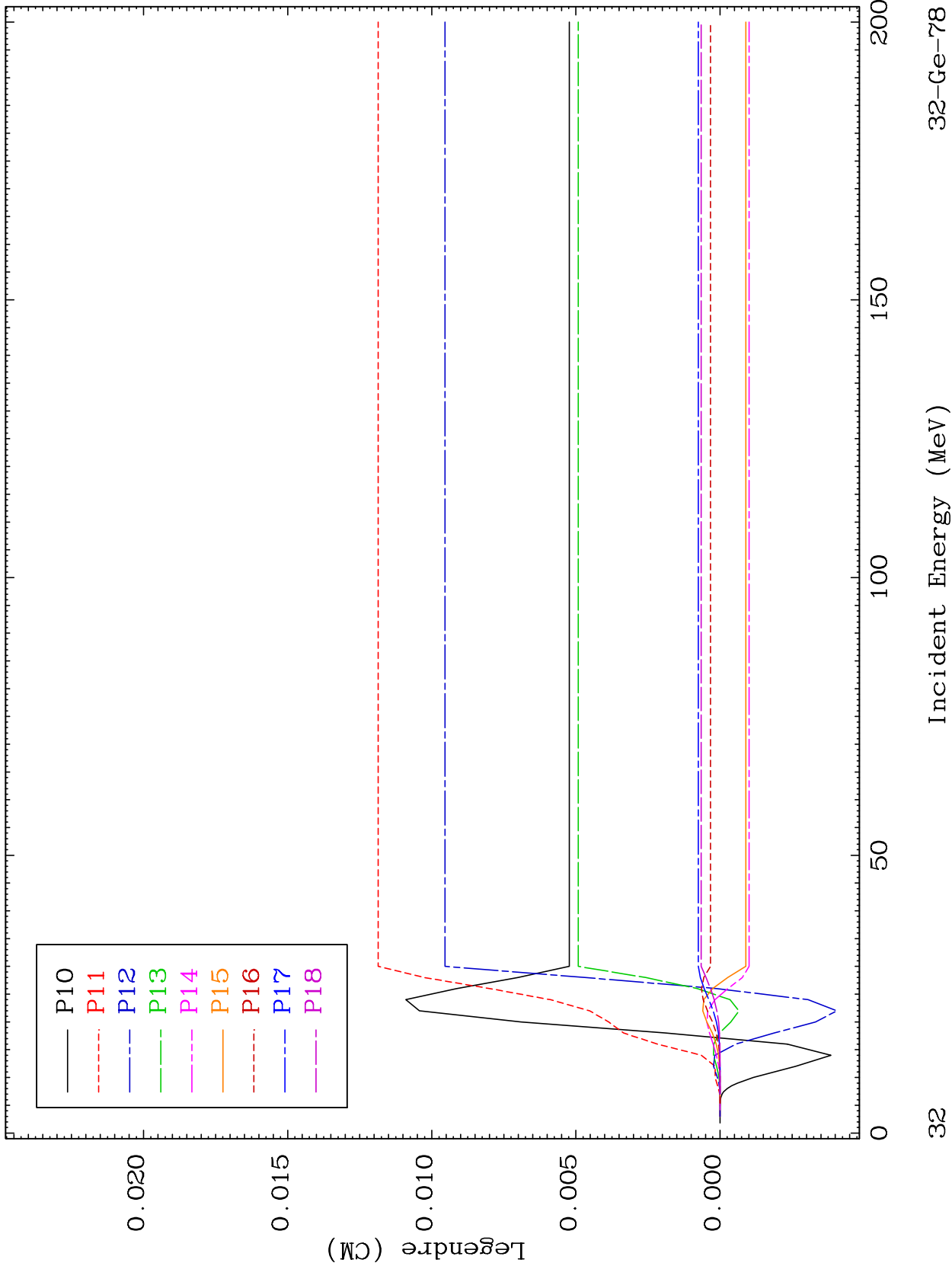
31

32-Ge-78

MAT 3249

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

32-Ge-78



32

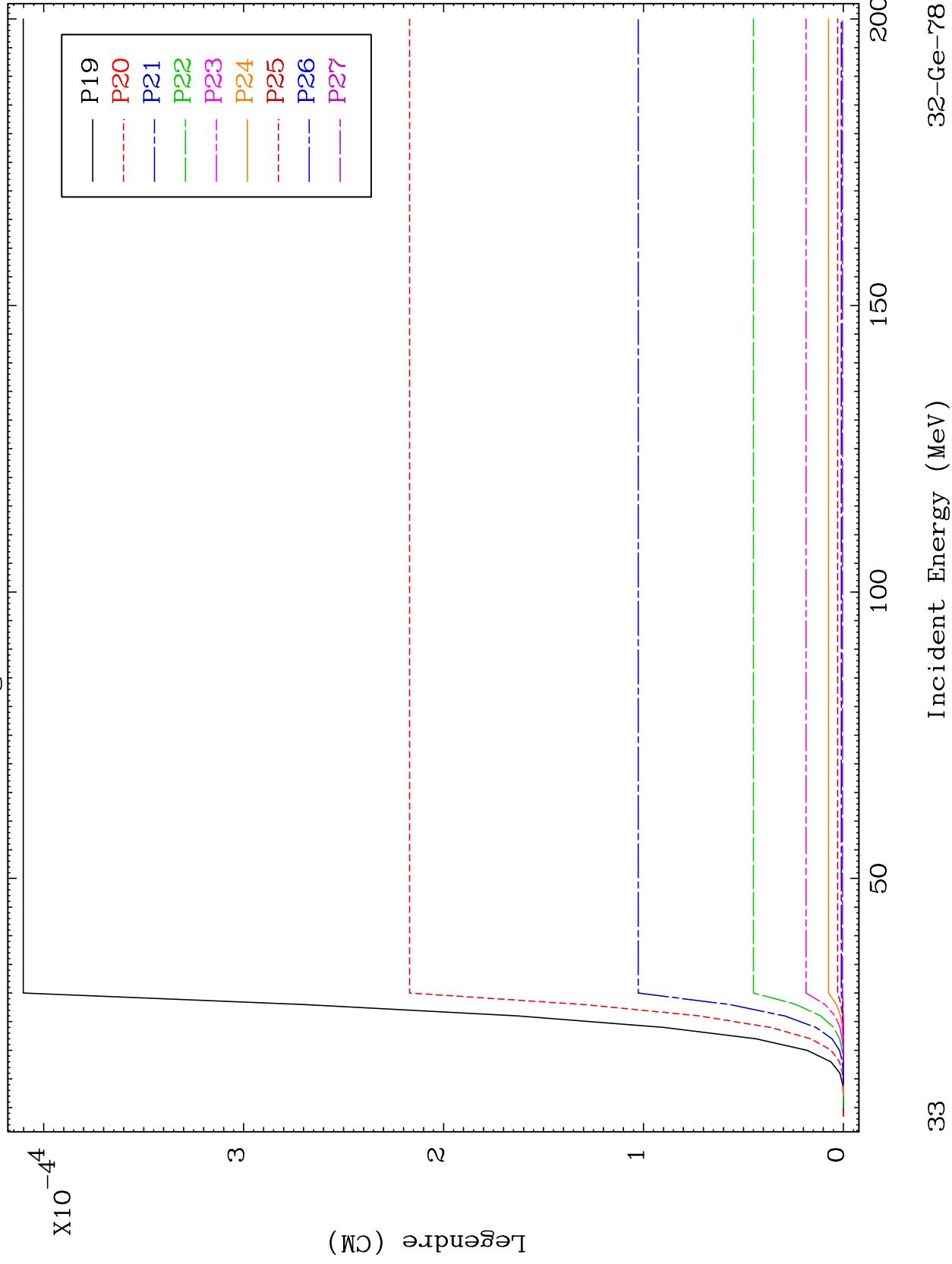
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



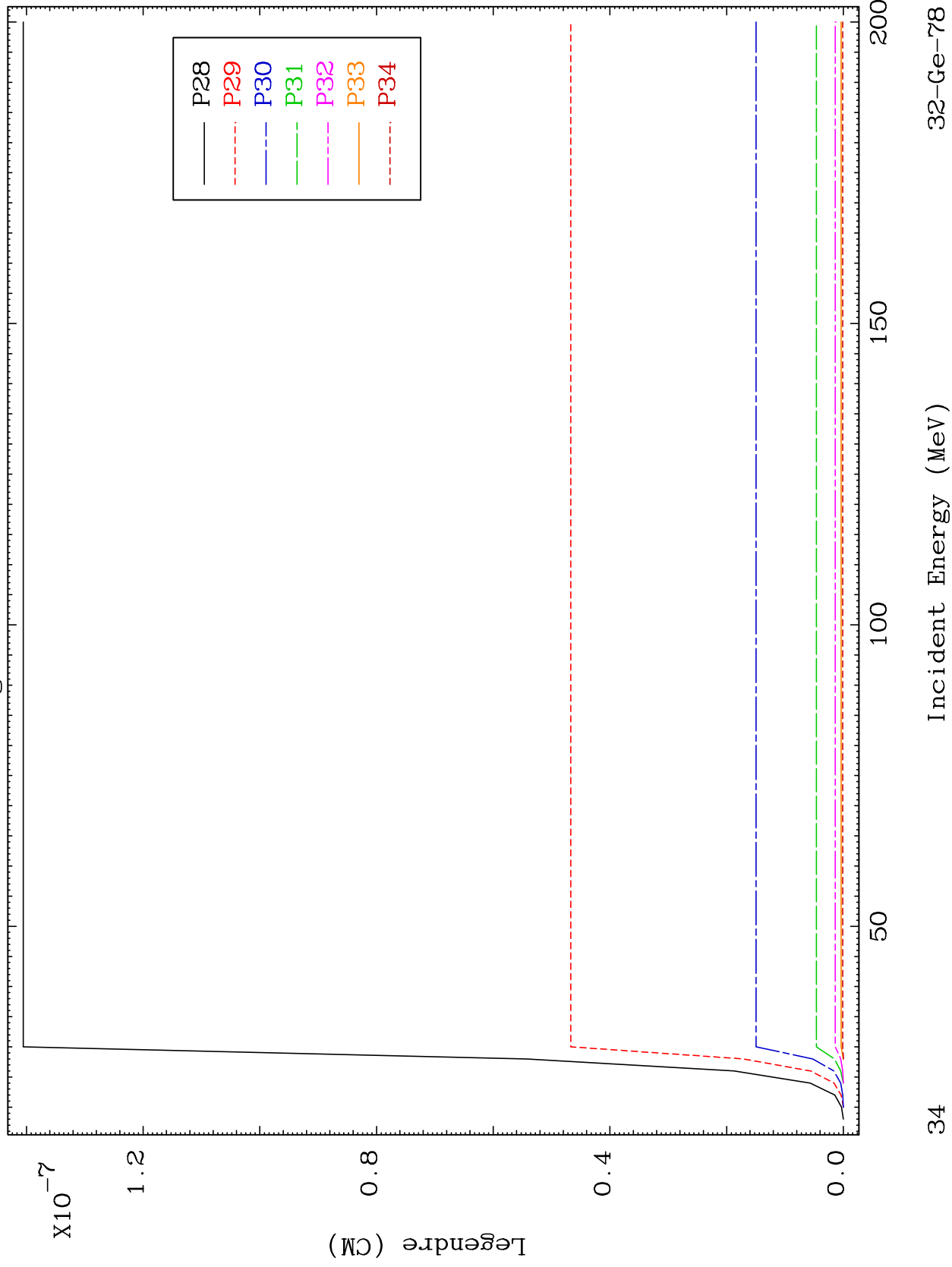
33

32-Ge-78

MAT 3249

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

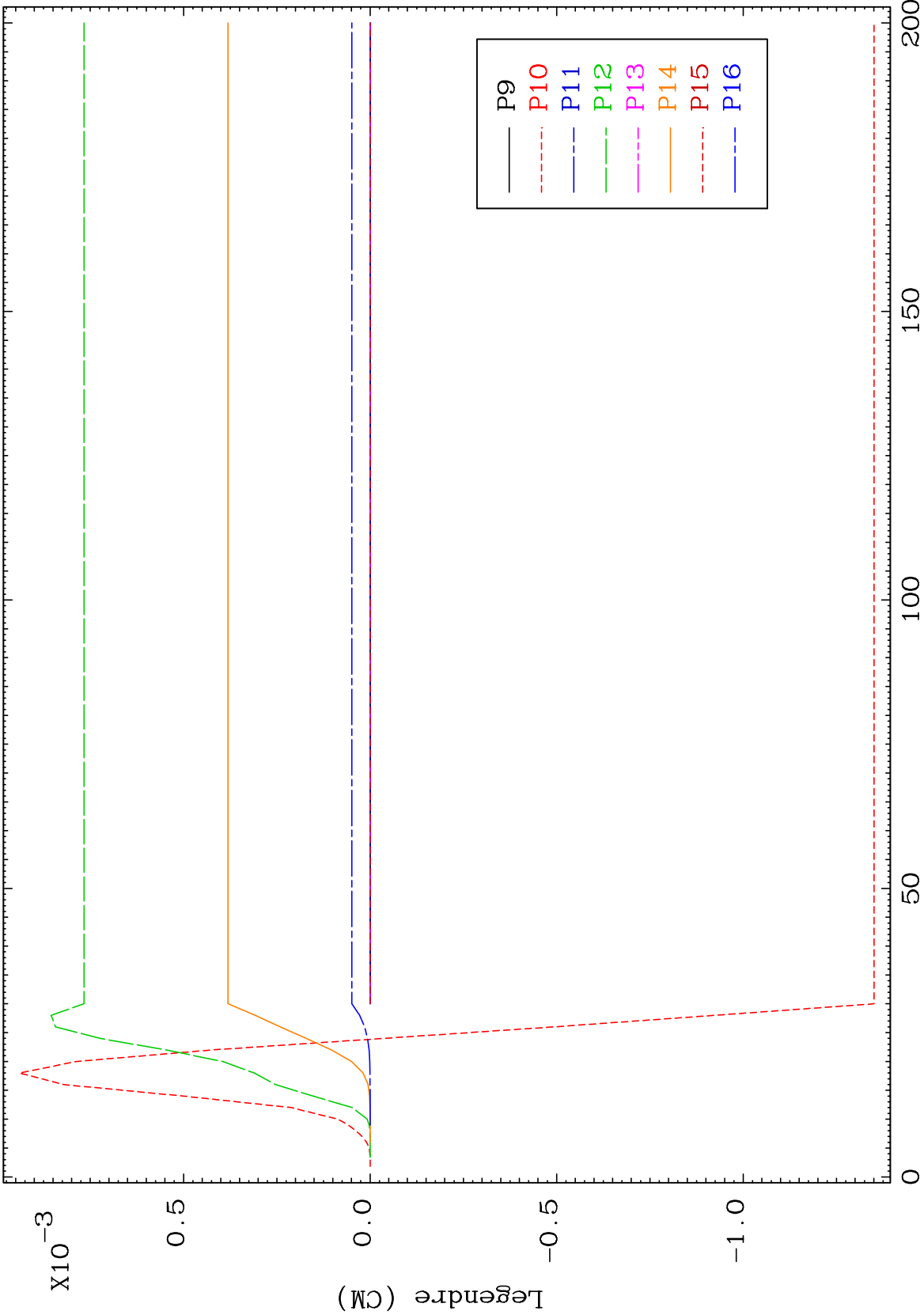
32-Ge-78



MAT 3249

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

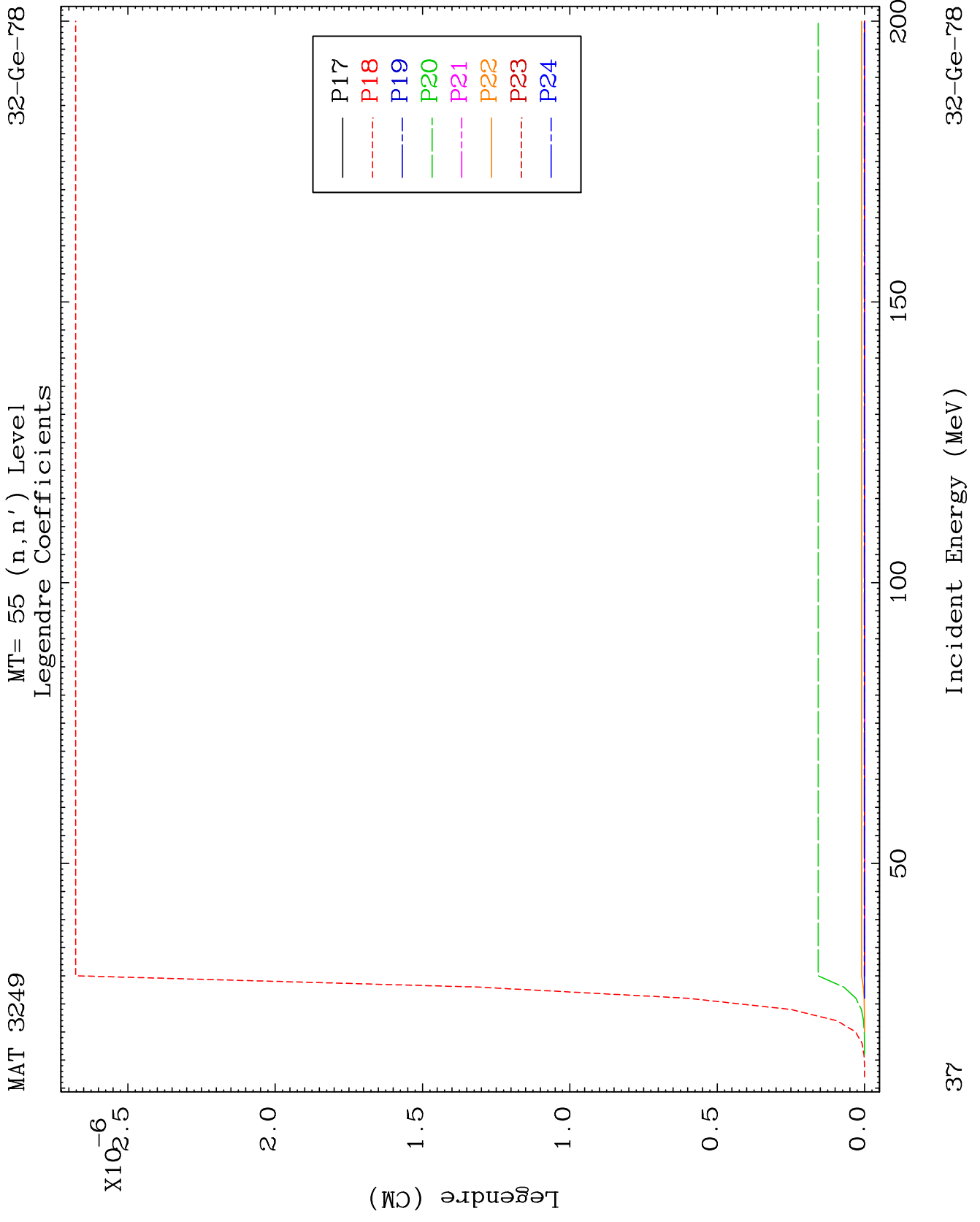
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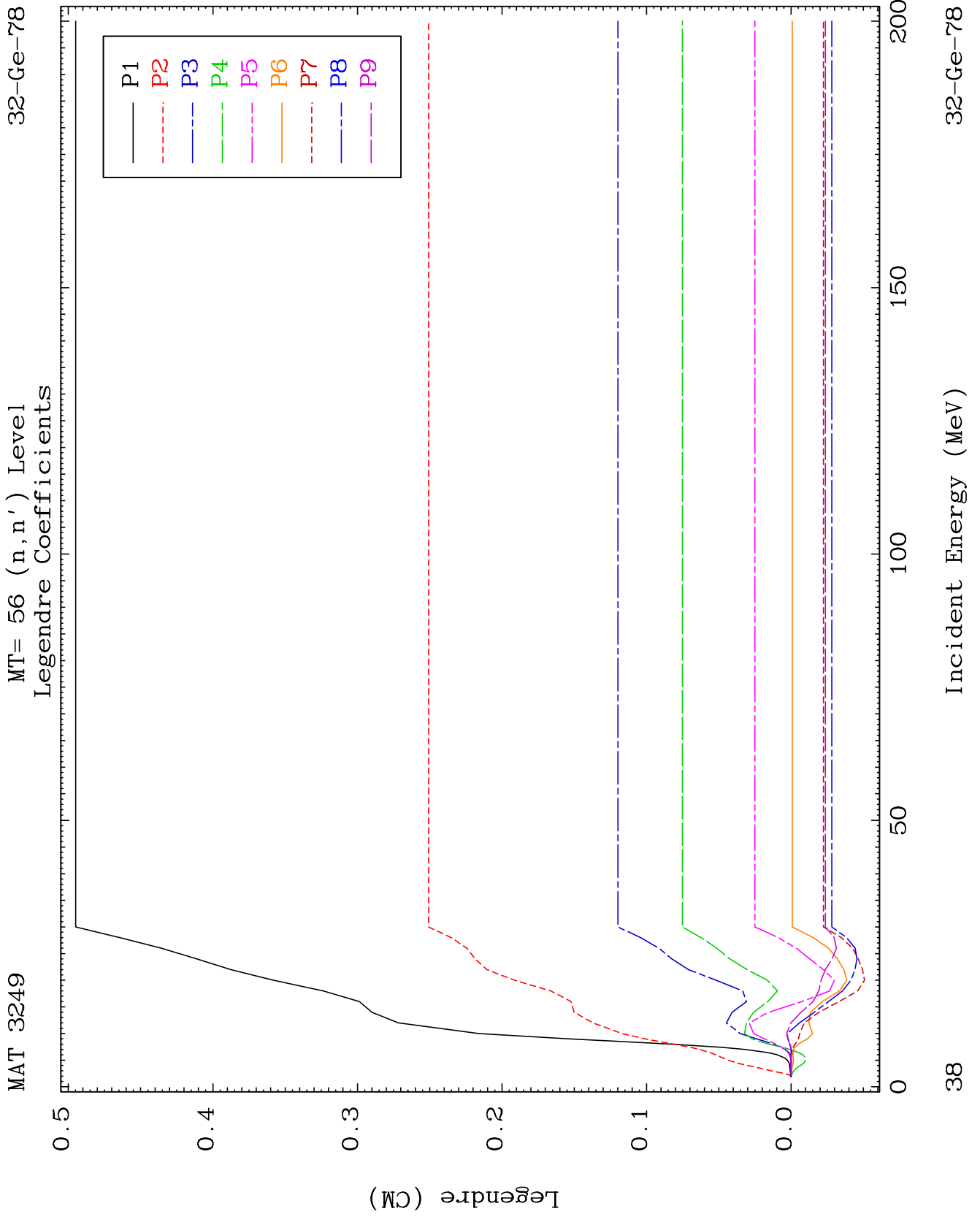


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Incident Energy (MeV)

32-Ge-78

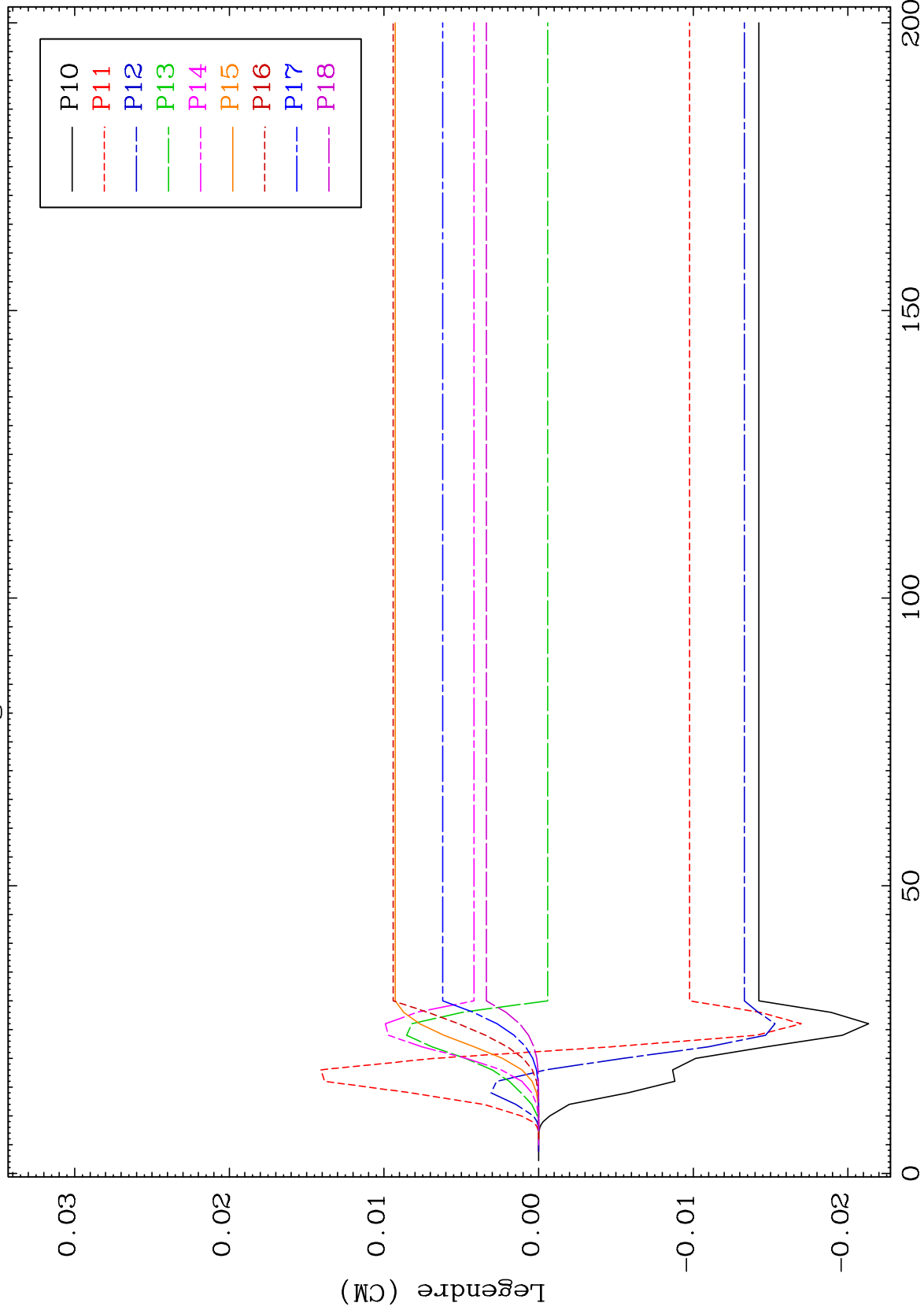




MAT 3249

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

32-Ge-78



39

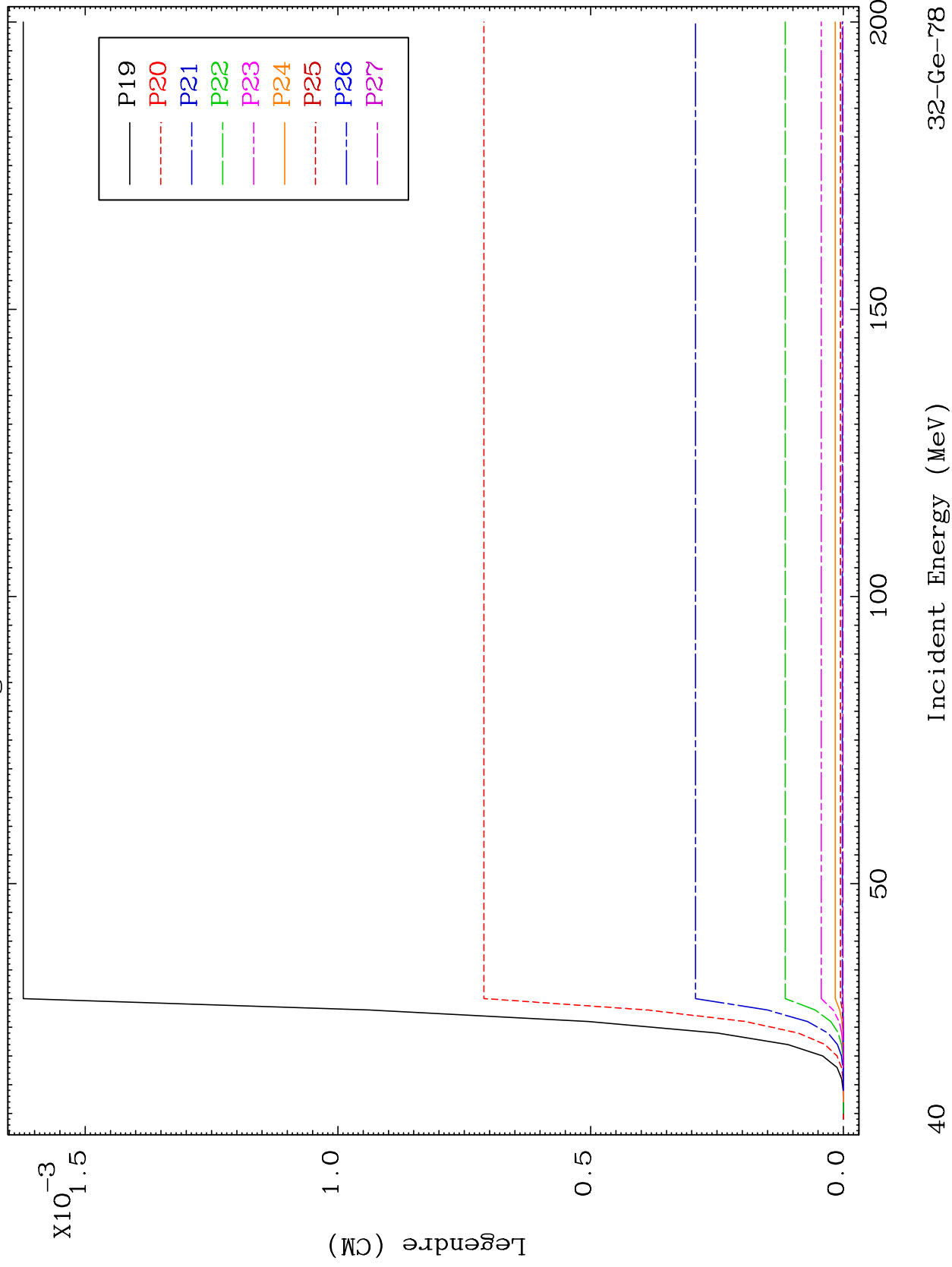
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

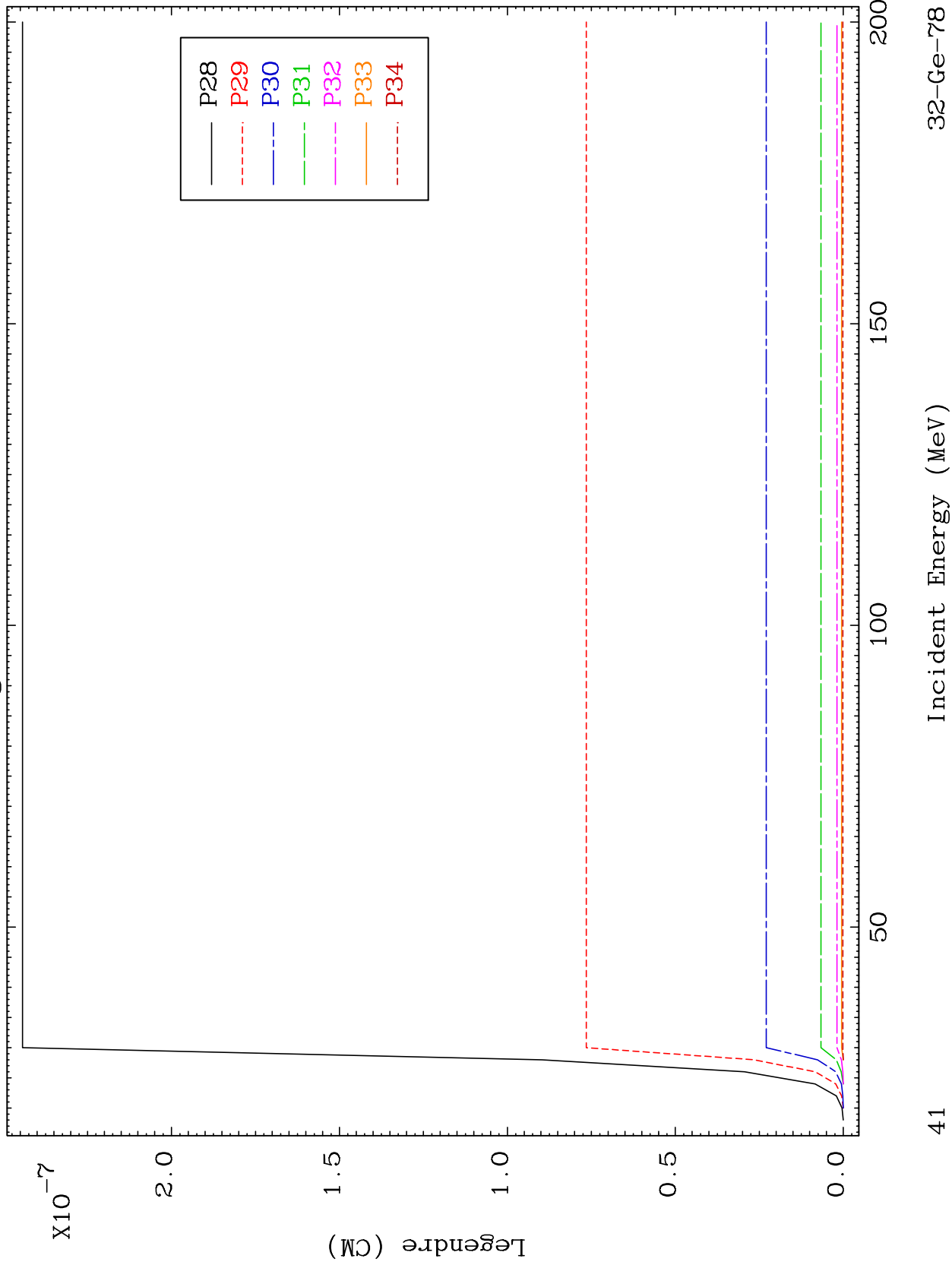
32-Ge-78



MAT 3249

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

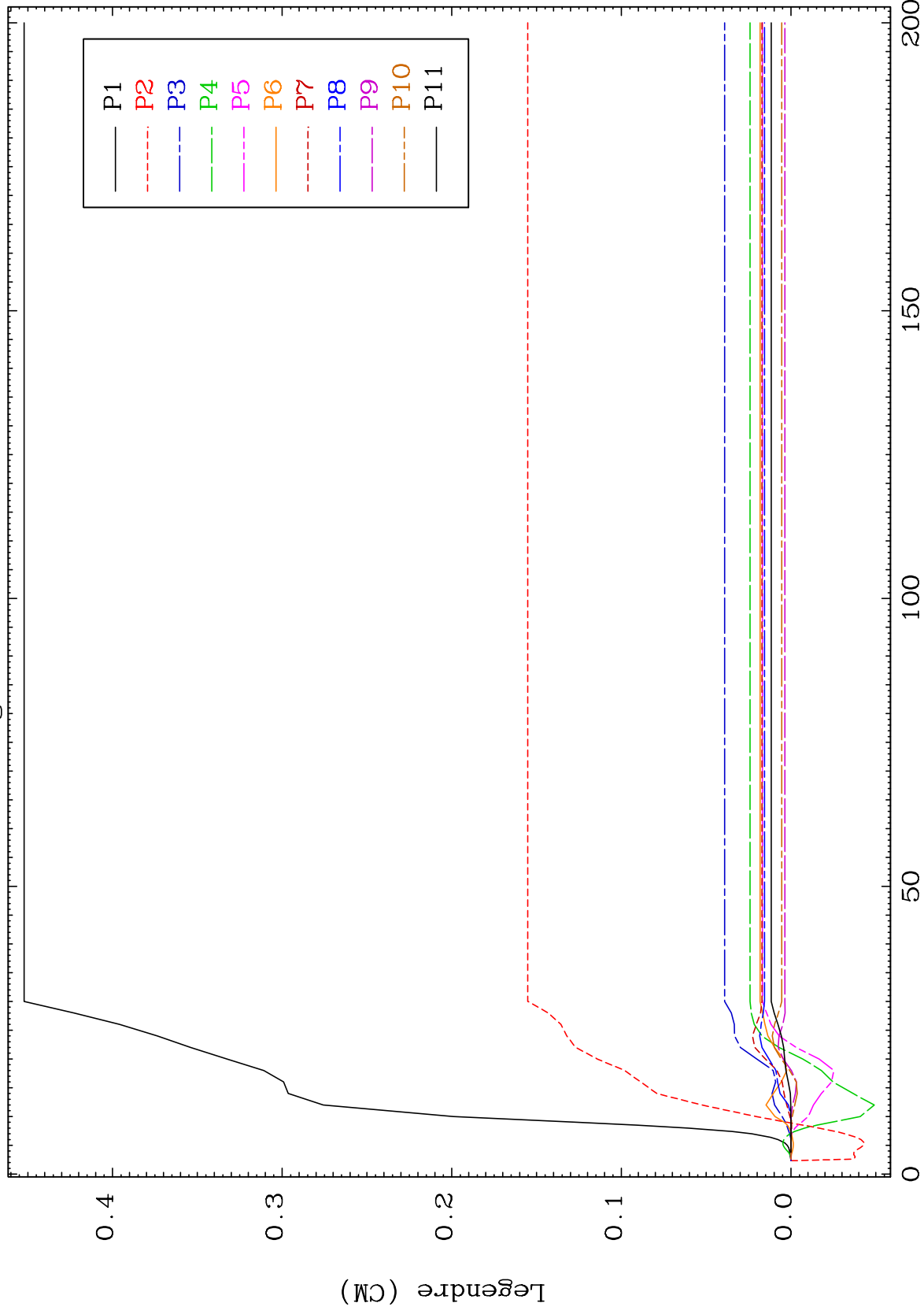
32-Ge-78



MAT 3249

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

32-Ge-78



42

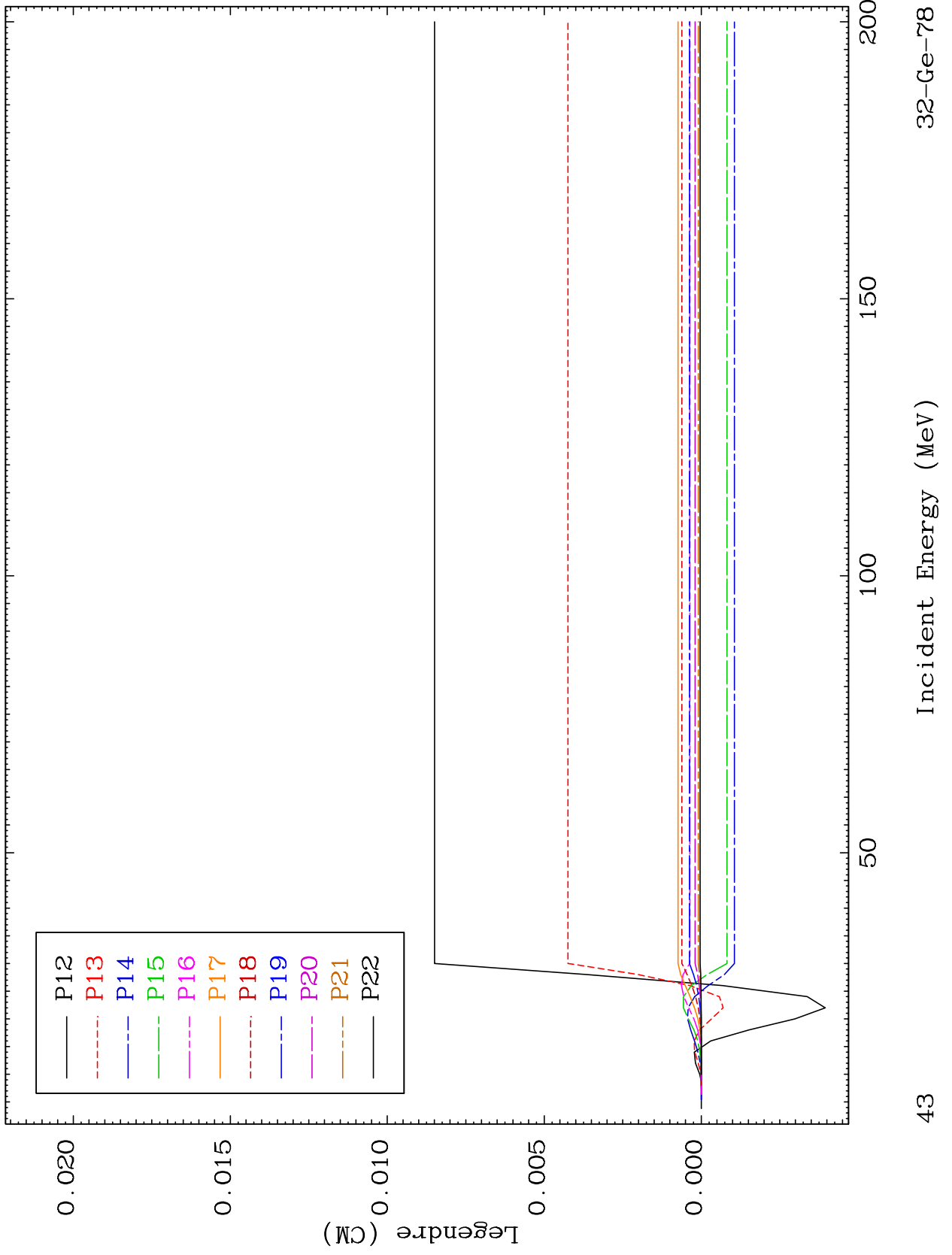
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



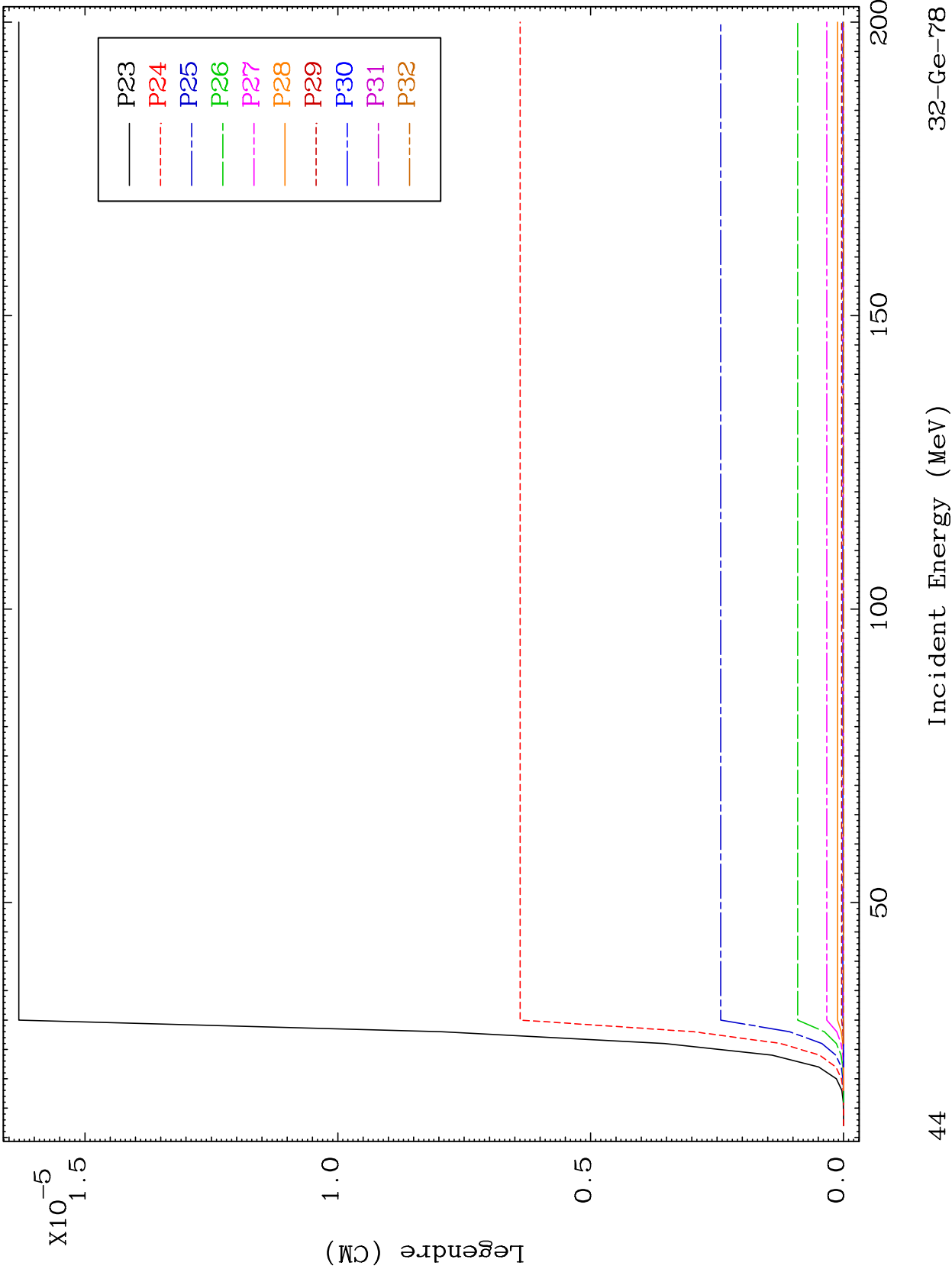
43

32-Ge-78

MAT 3249

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

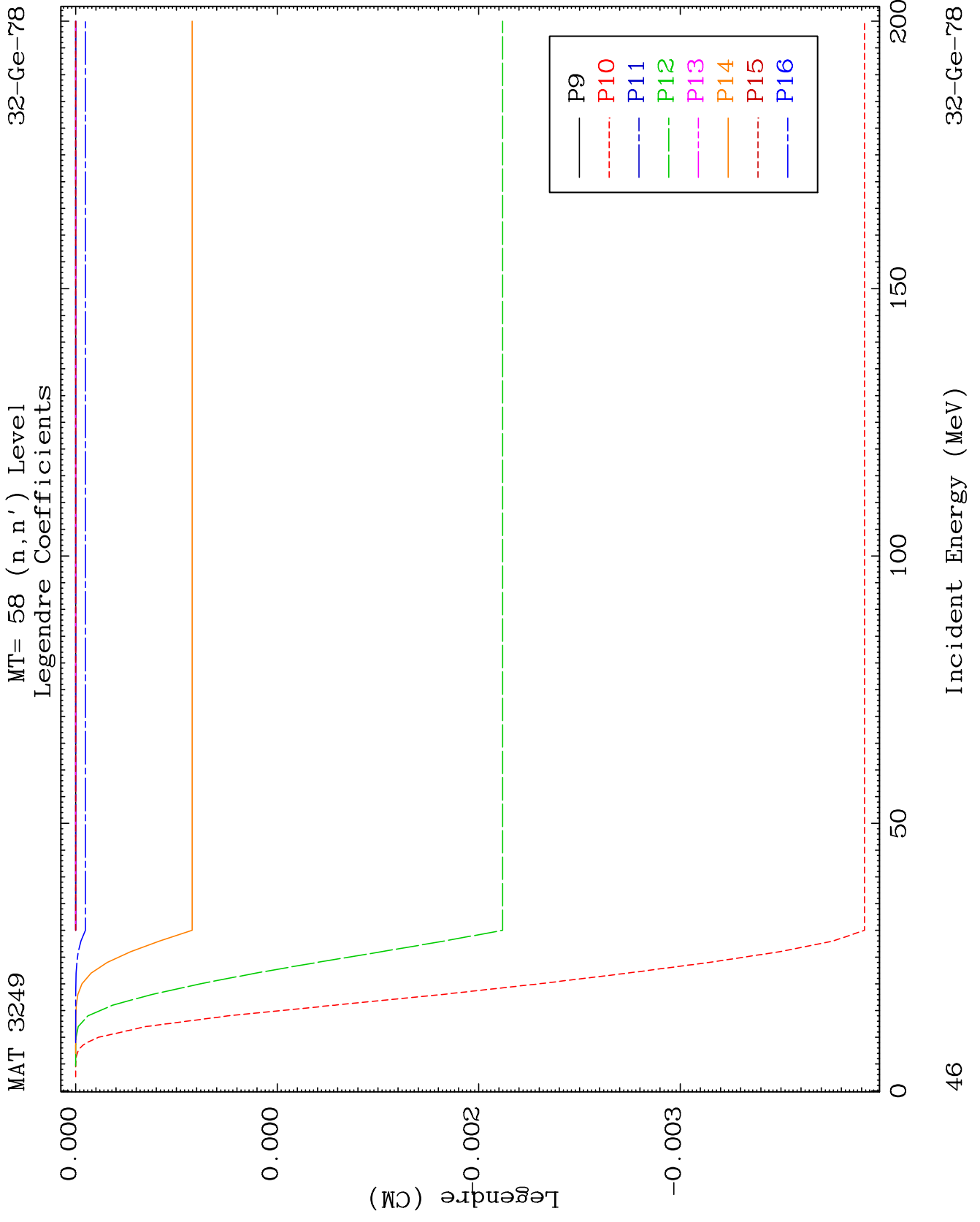
32-Ge-78



44

Incident Energy (MeV)

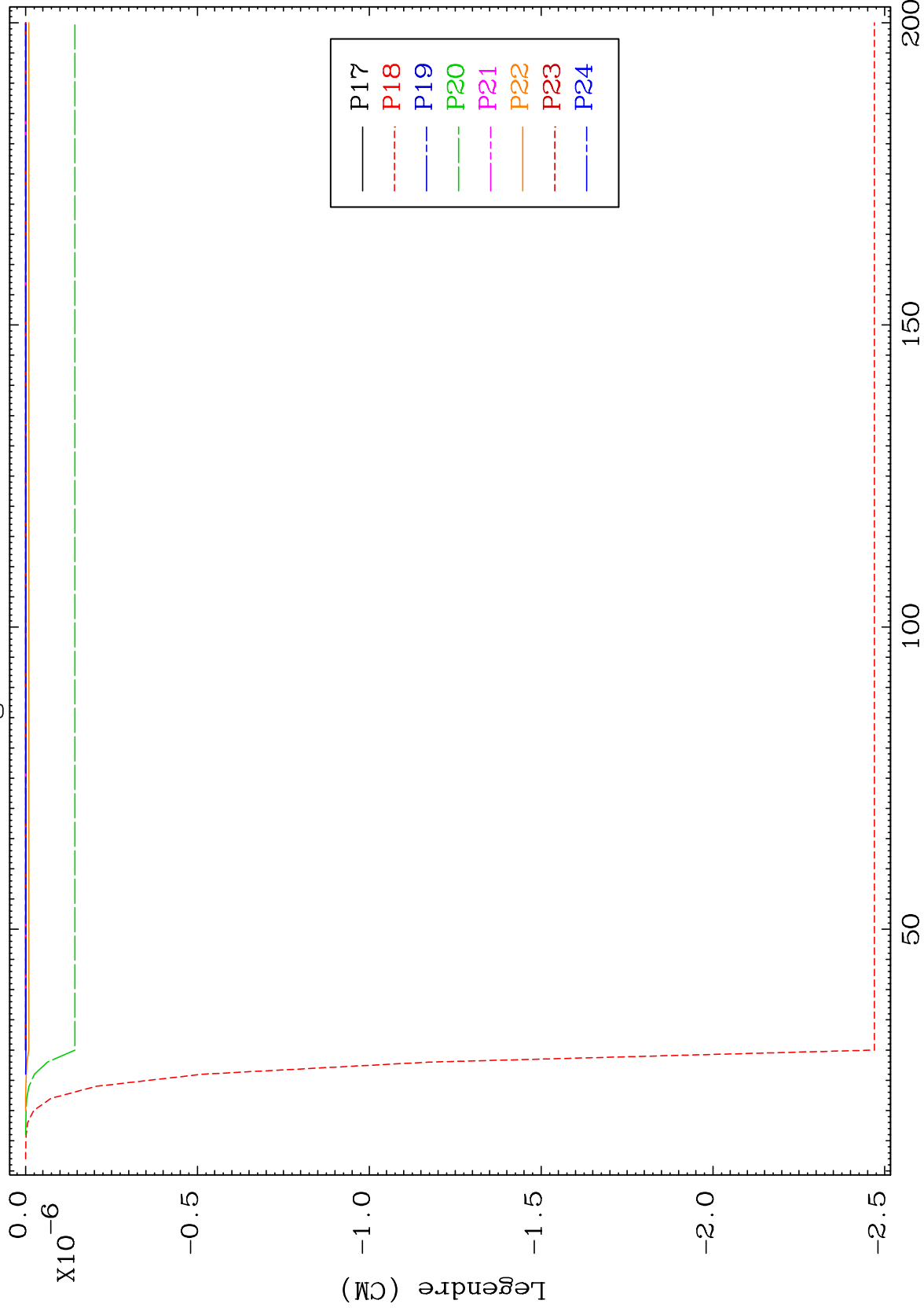
32-Ge-78



MAT 3249

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

32-Ge-78



47

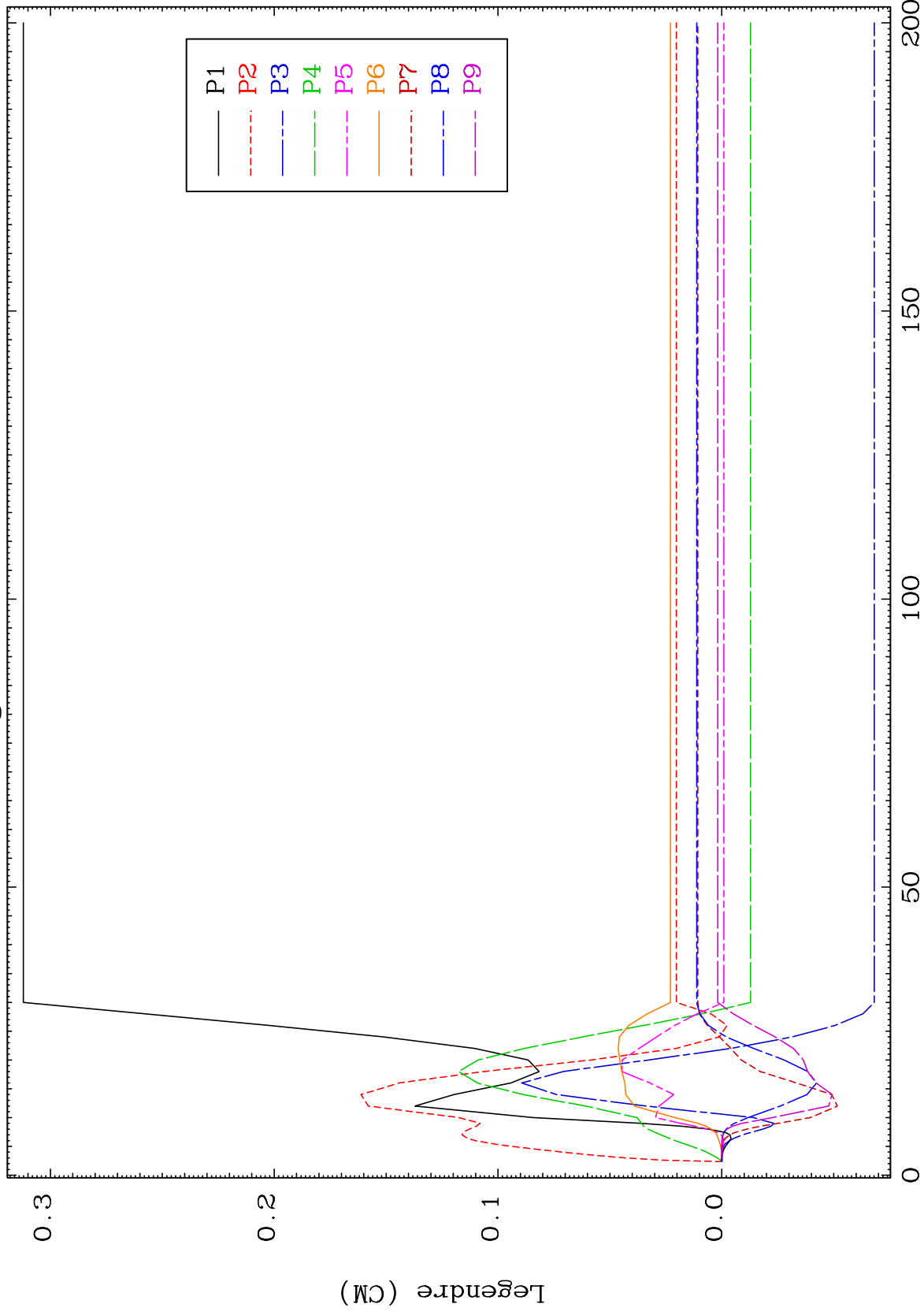
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



48

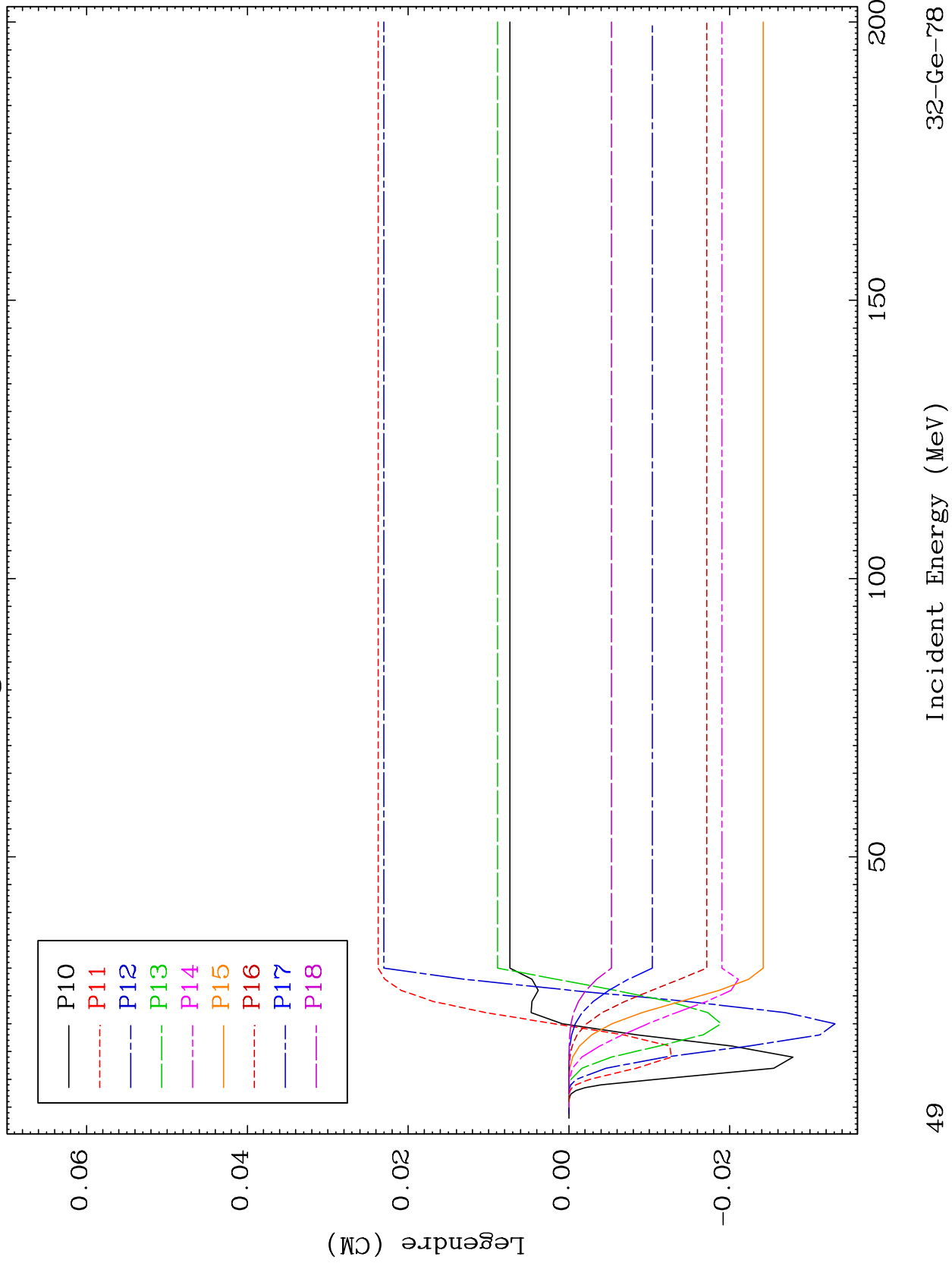
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

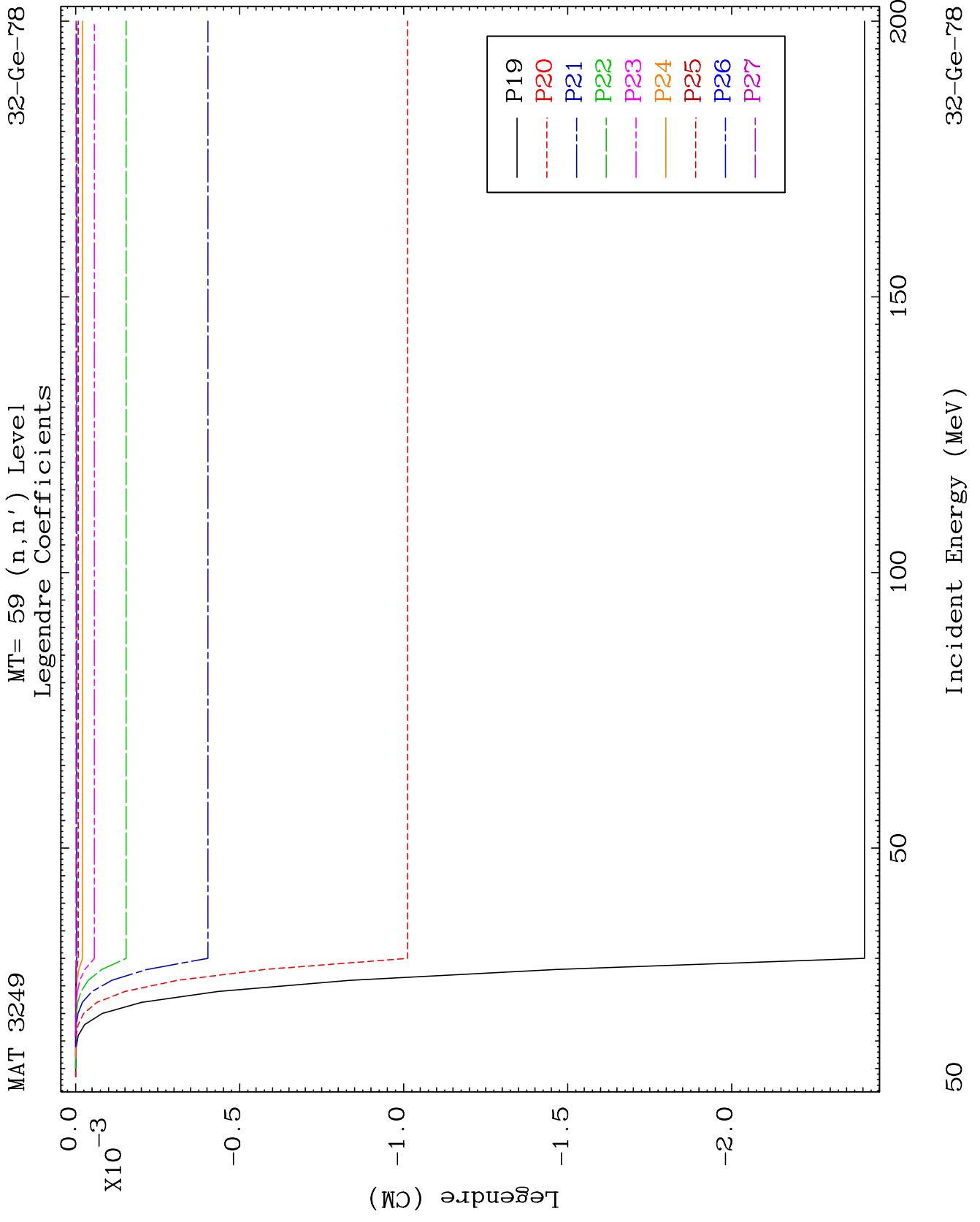
32-Ge-78

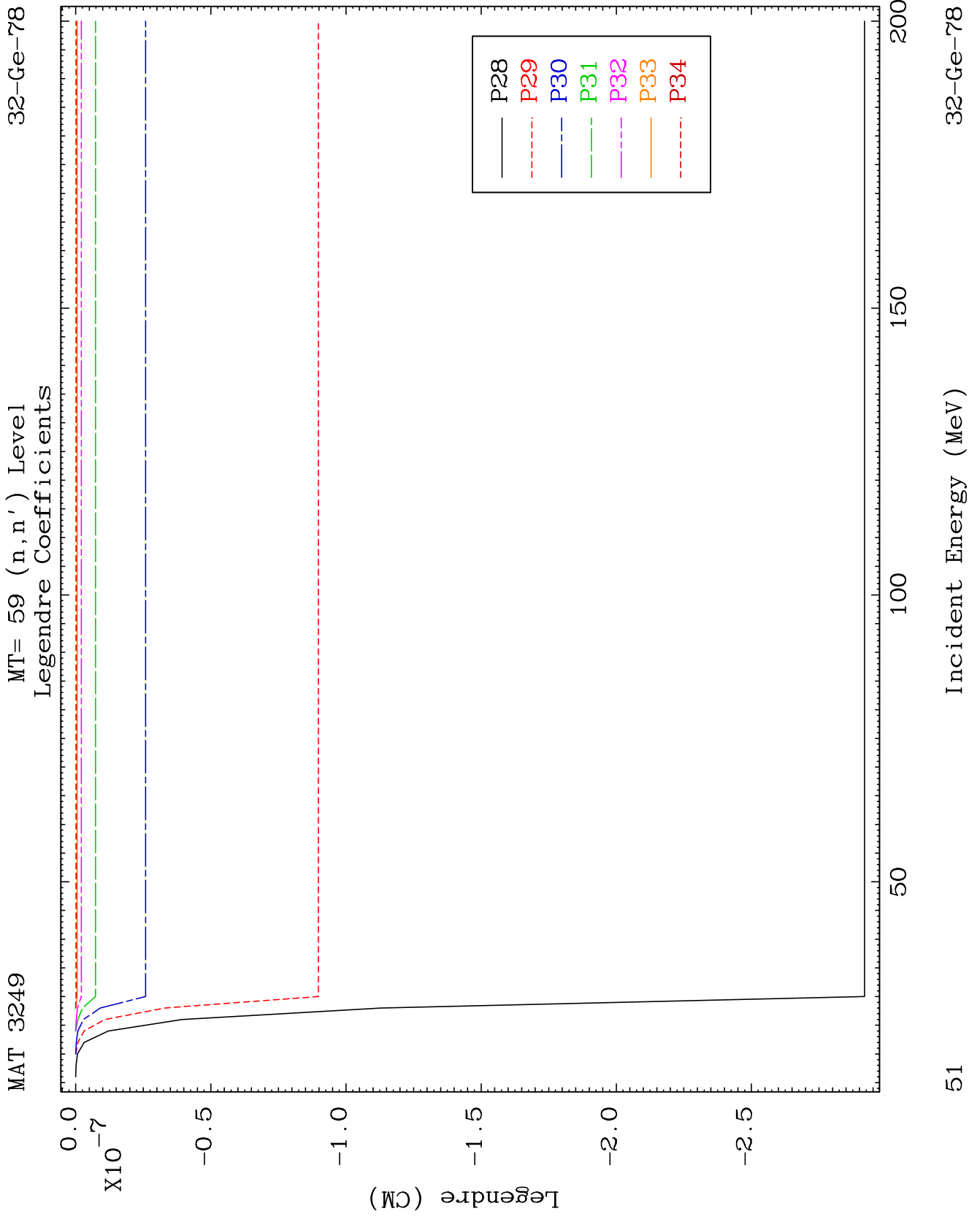


49

Incident Energy (MeV)

32-Ge-78

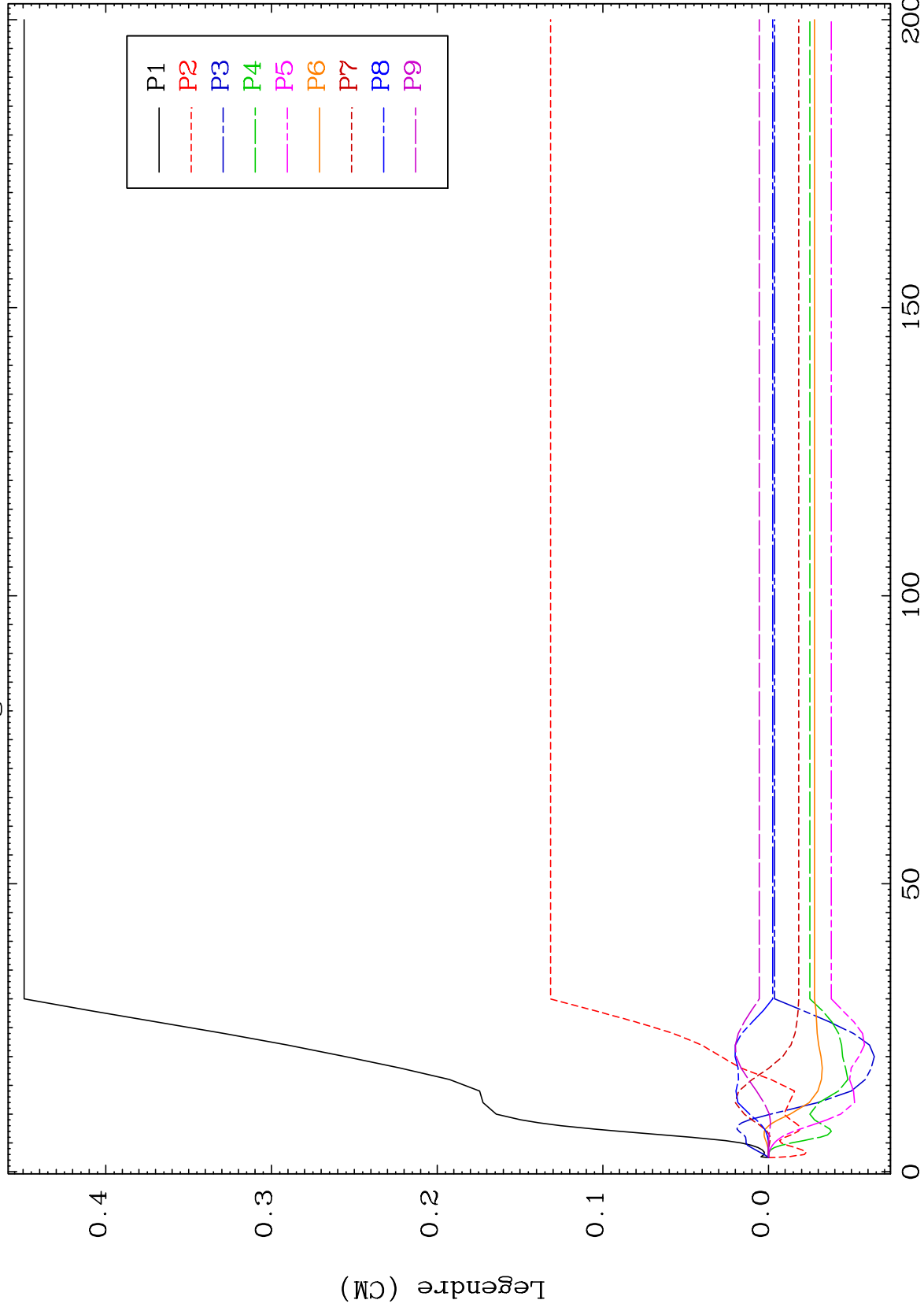




MAT 3249

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

32-Ge-78



52

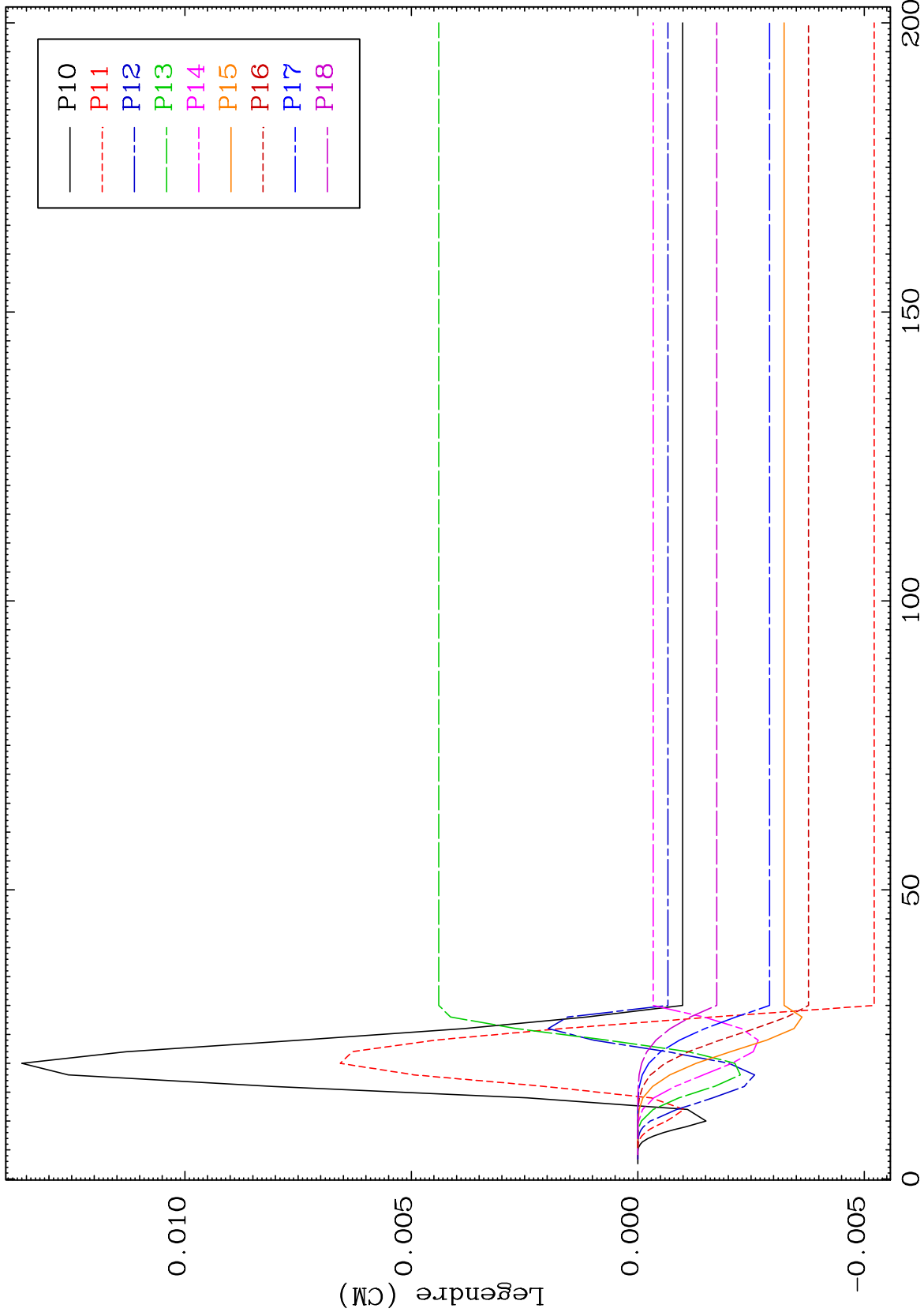
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

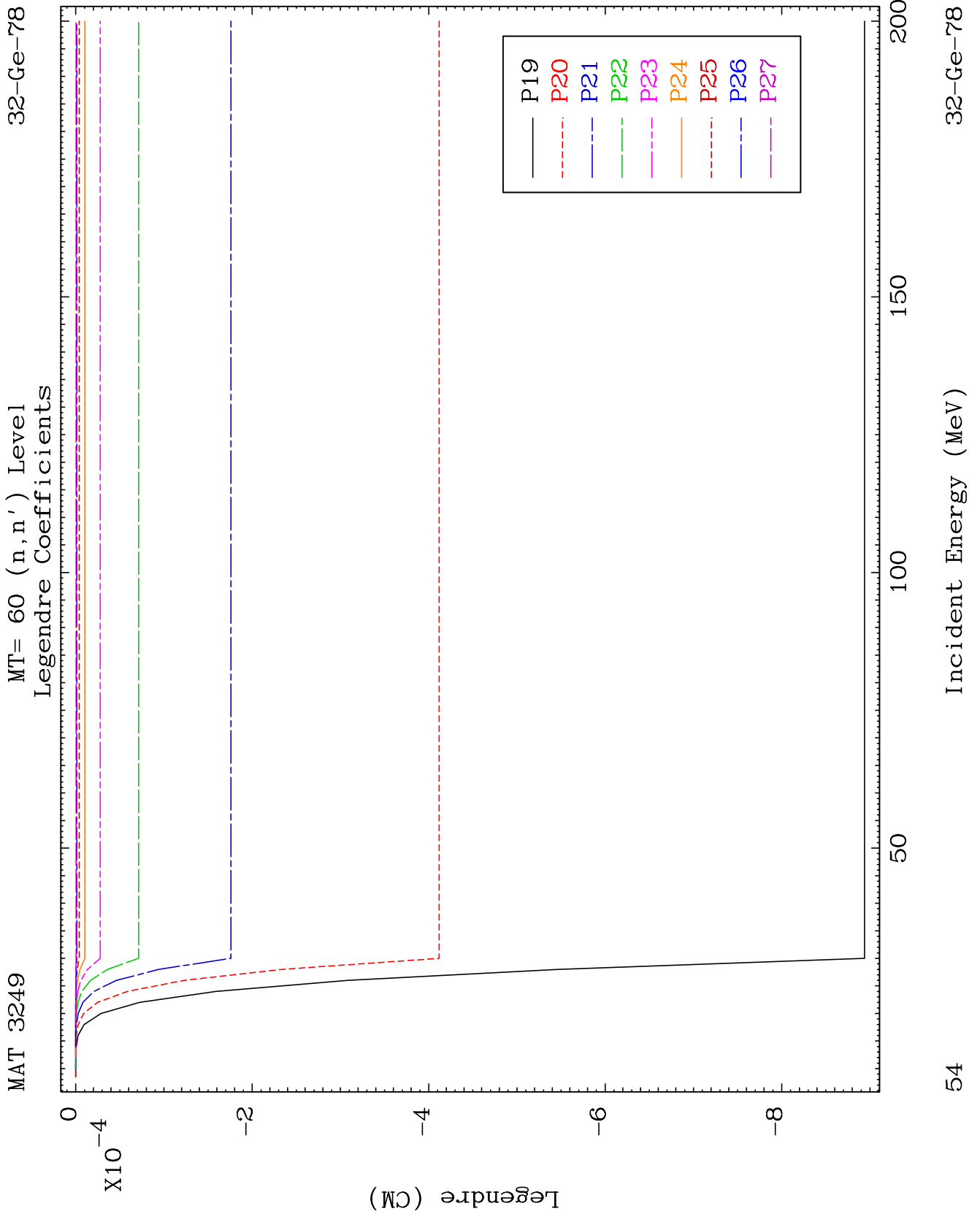
32-Ge-78

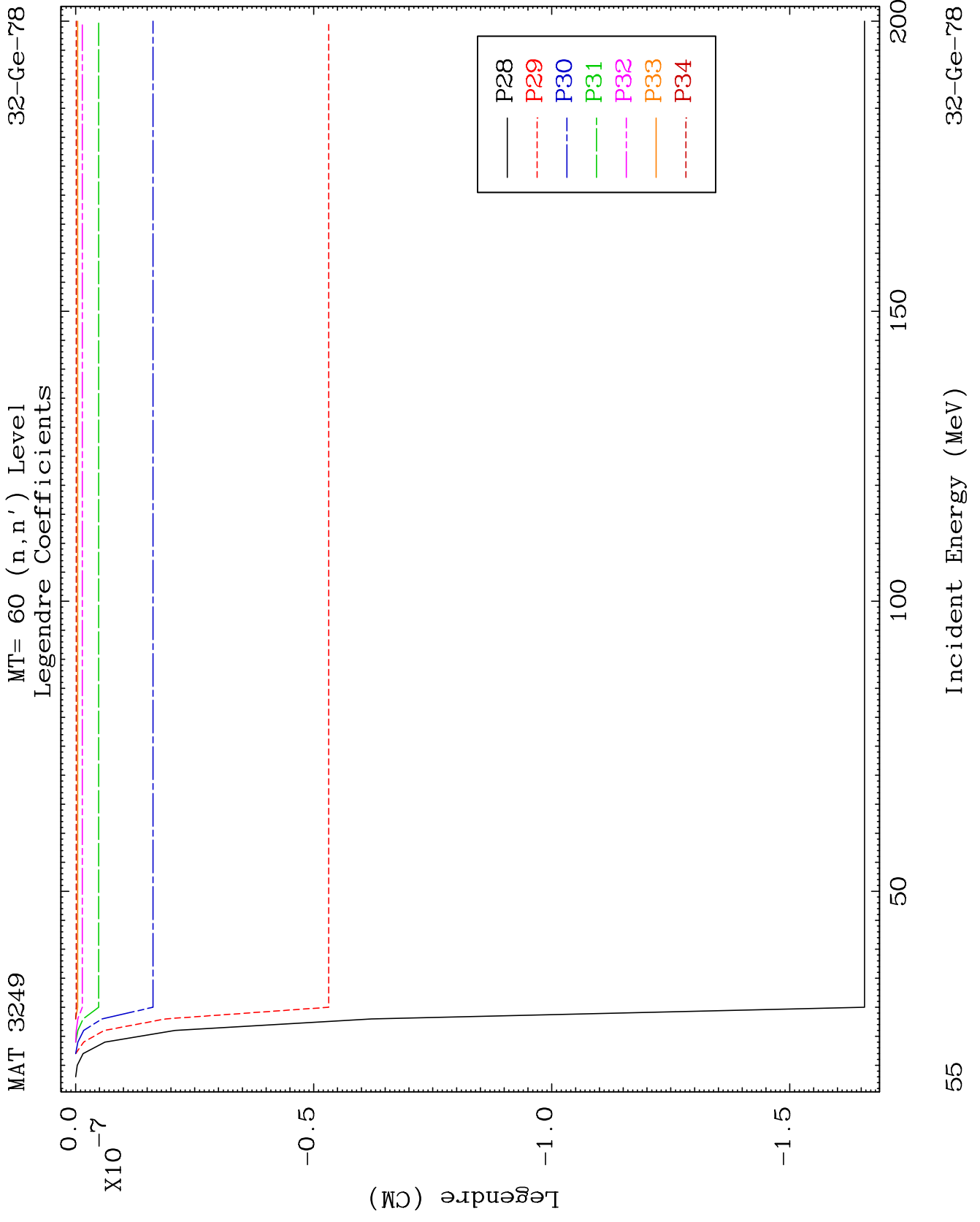


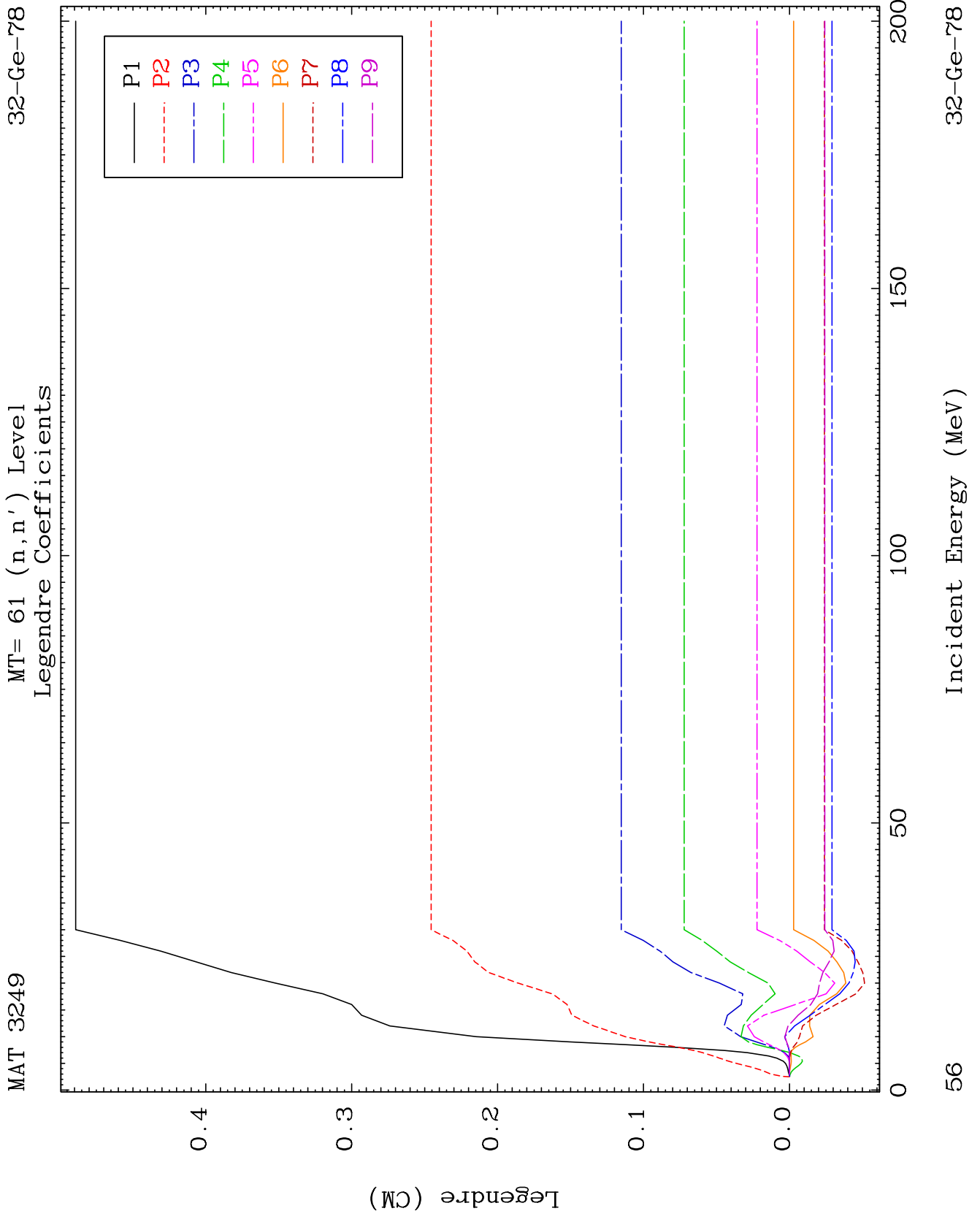
53

Incident Energy (MeV)

32-Ge-78



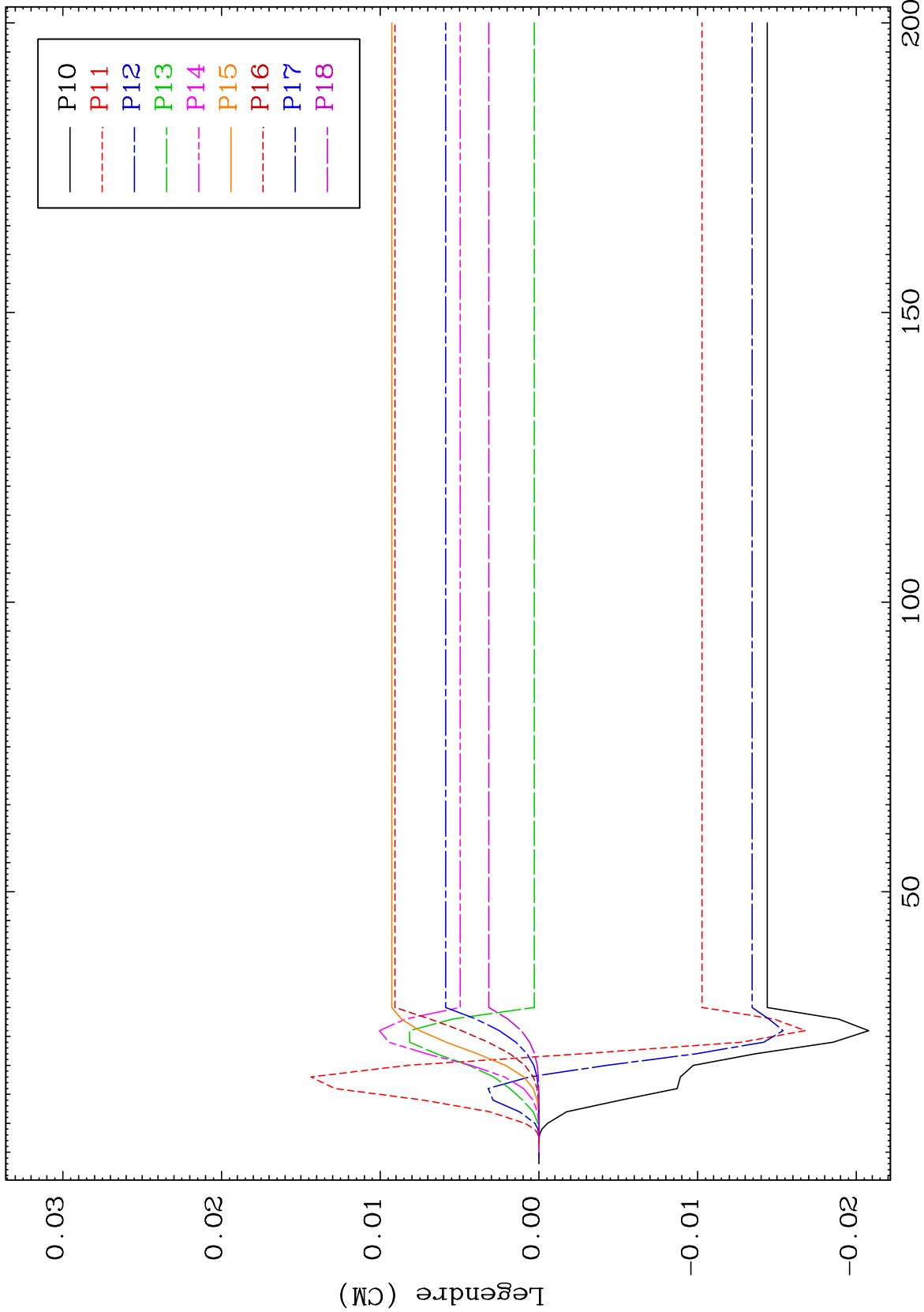




MAT 3249

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

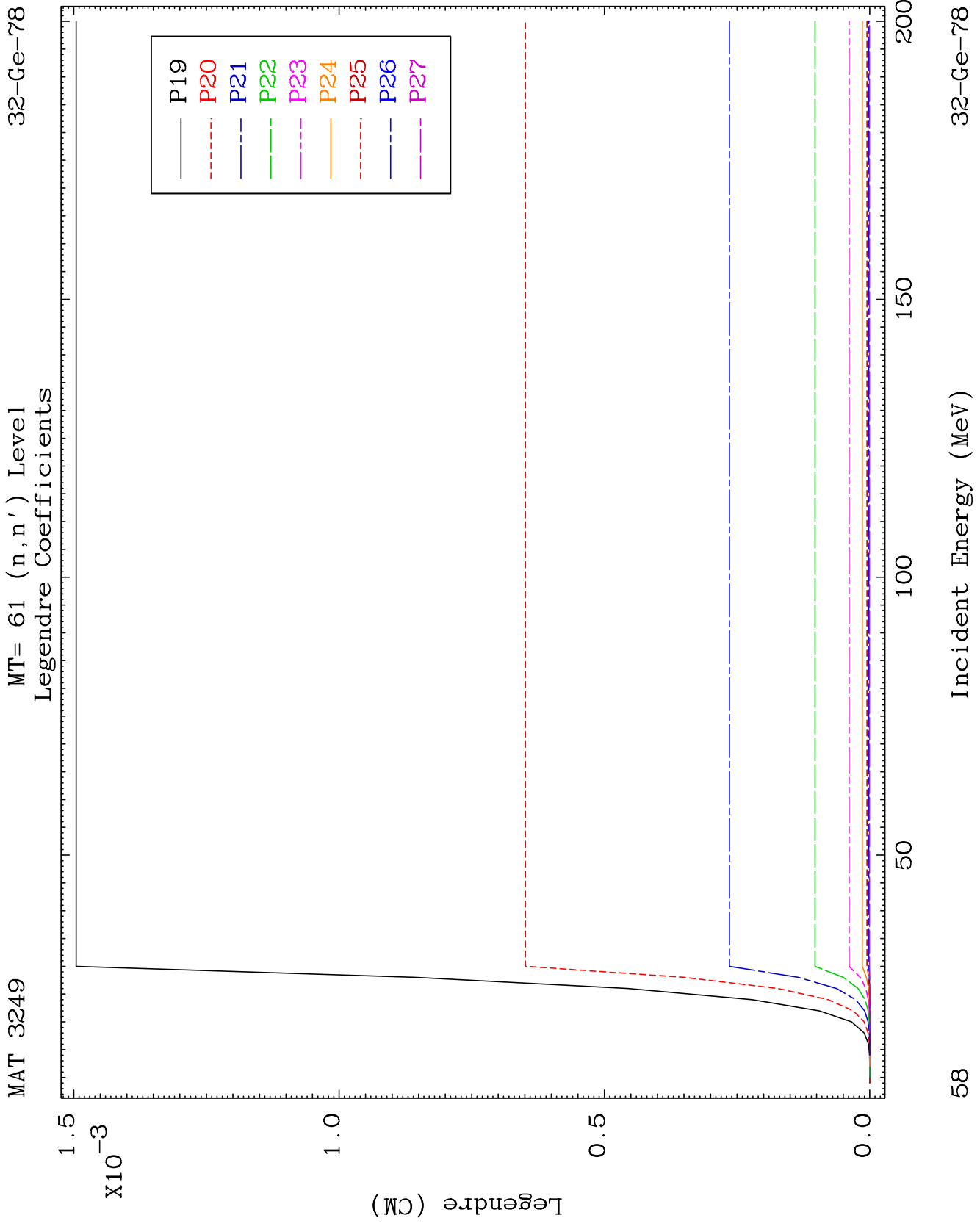
32-Ge-78



57

Incident Energy (MeV)

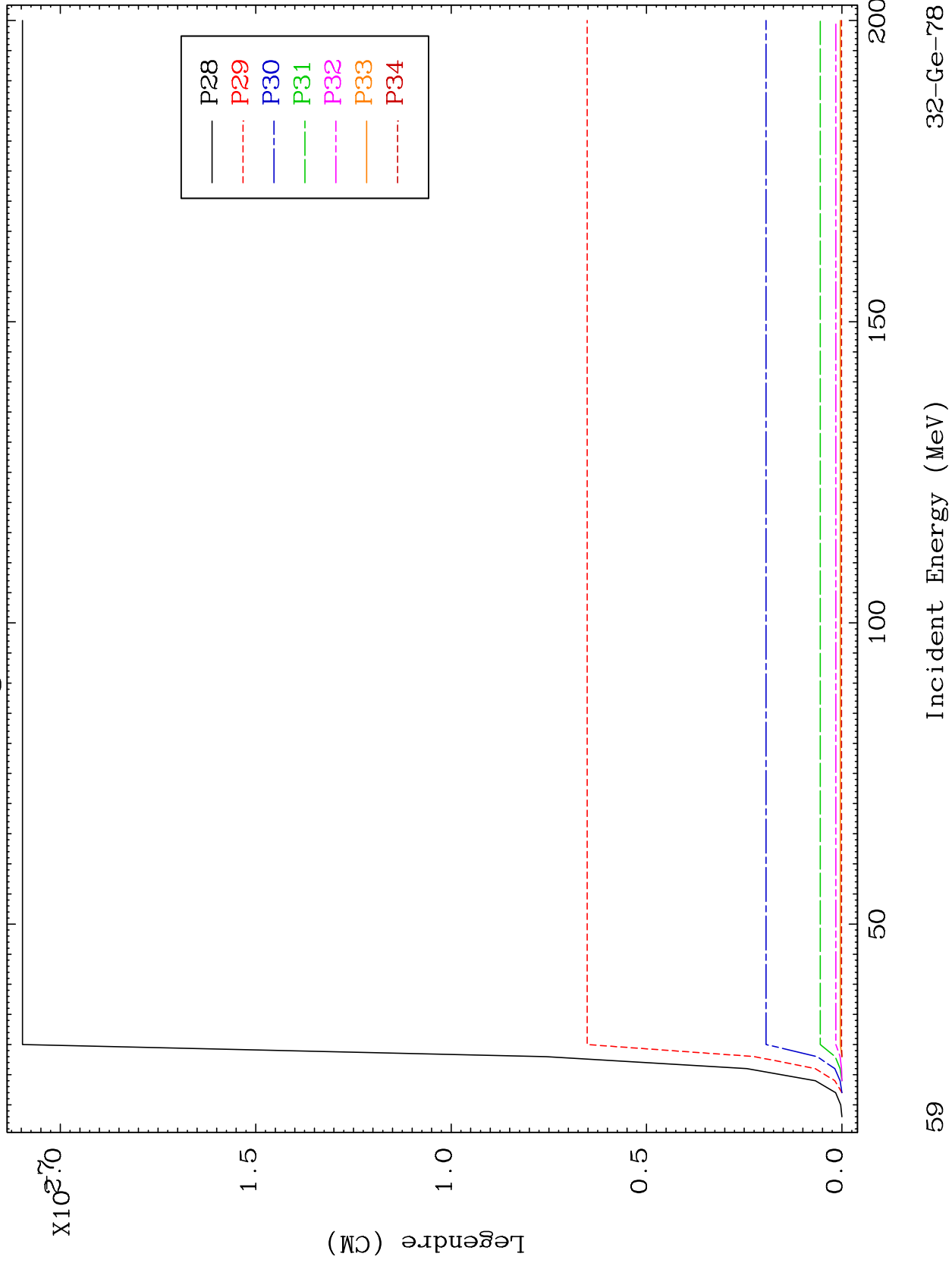
32-Ge-78



MAT 3249

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

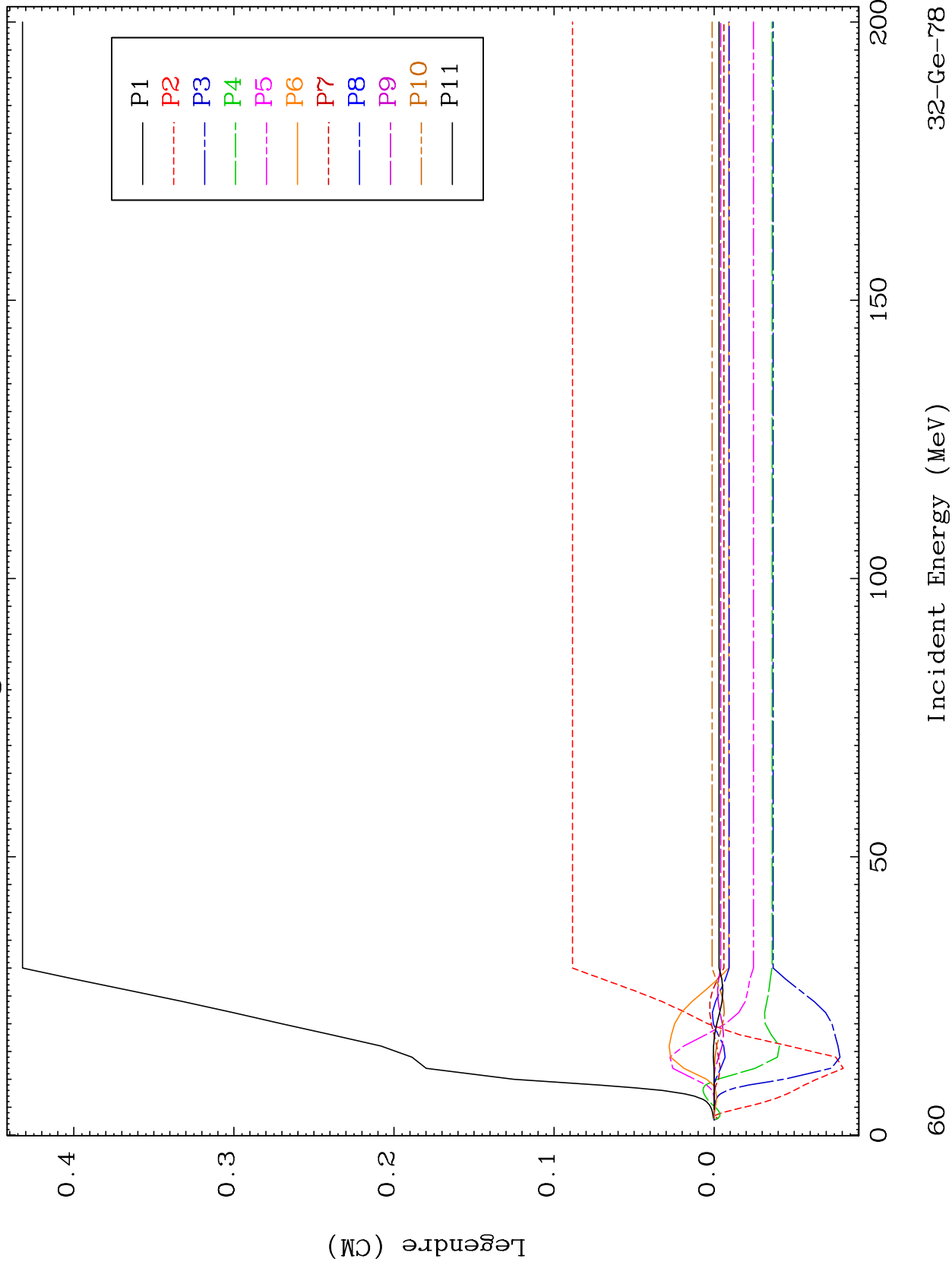
32-Ge-78



MAT 3249

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

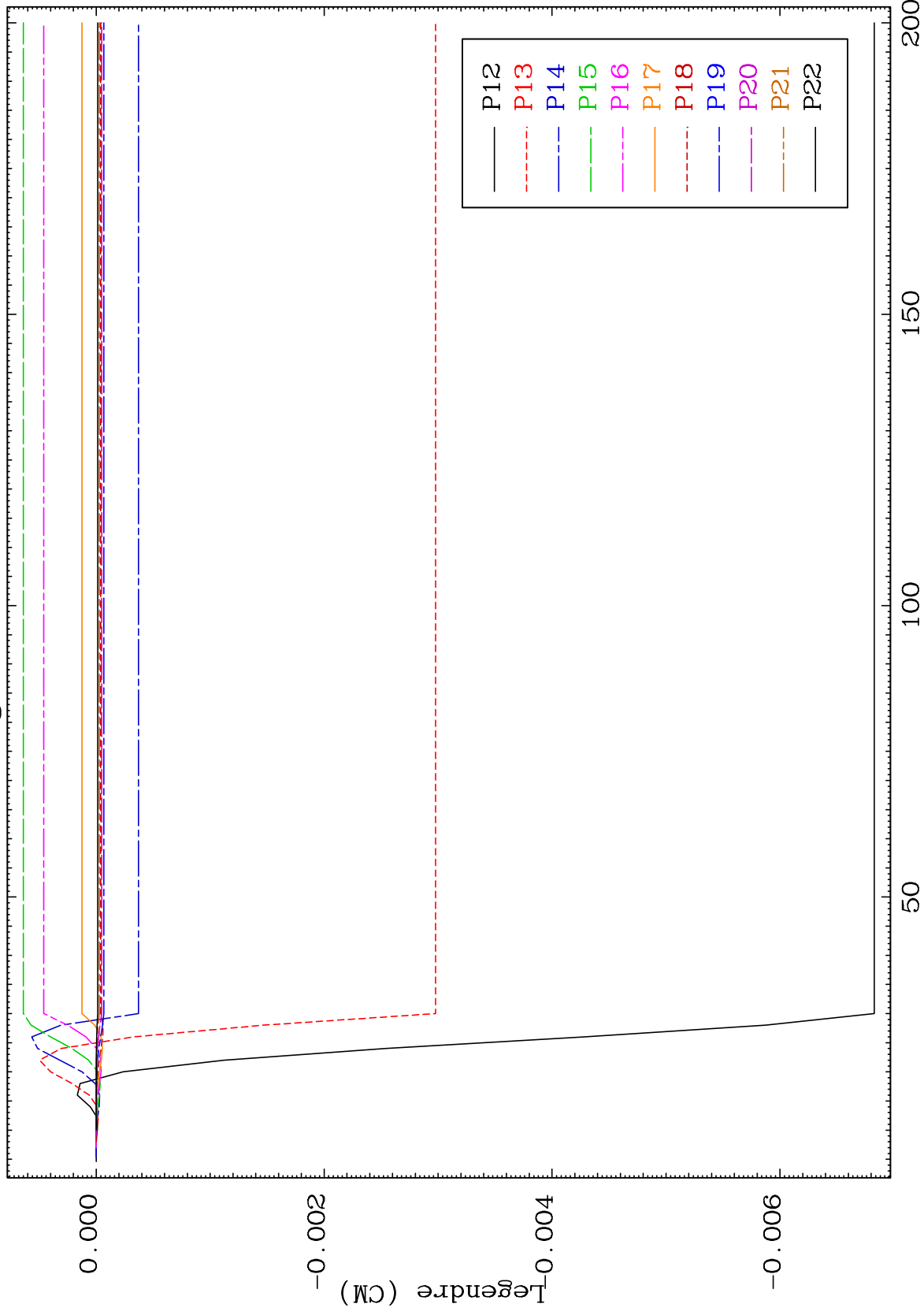
32-Ge-78



MAT 3249

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

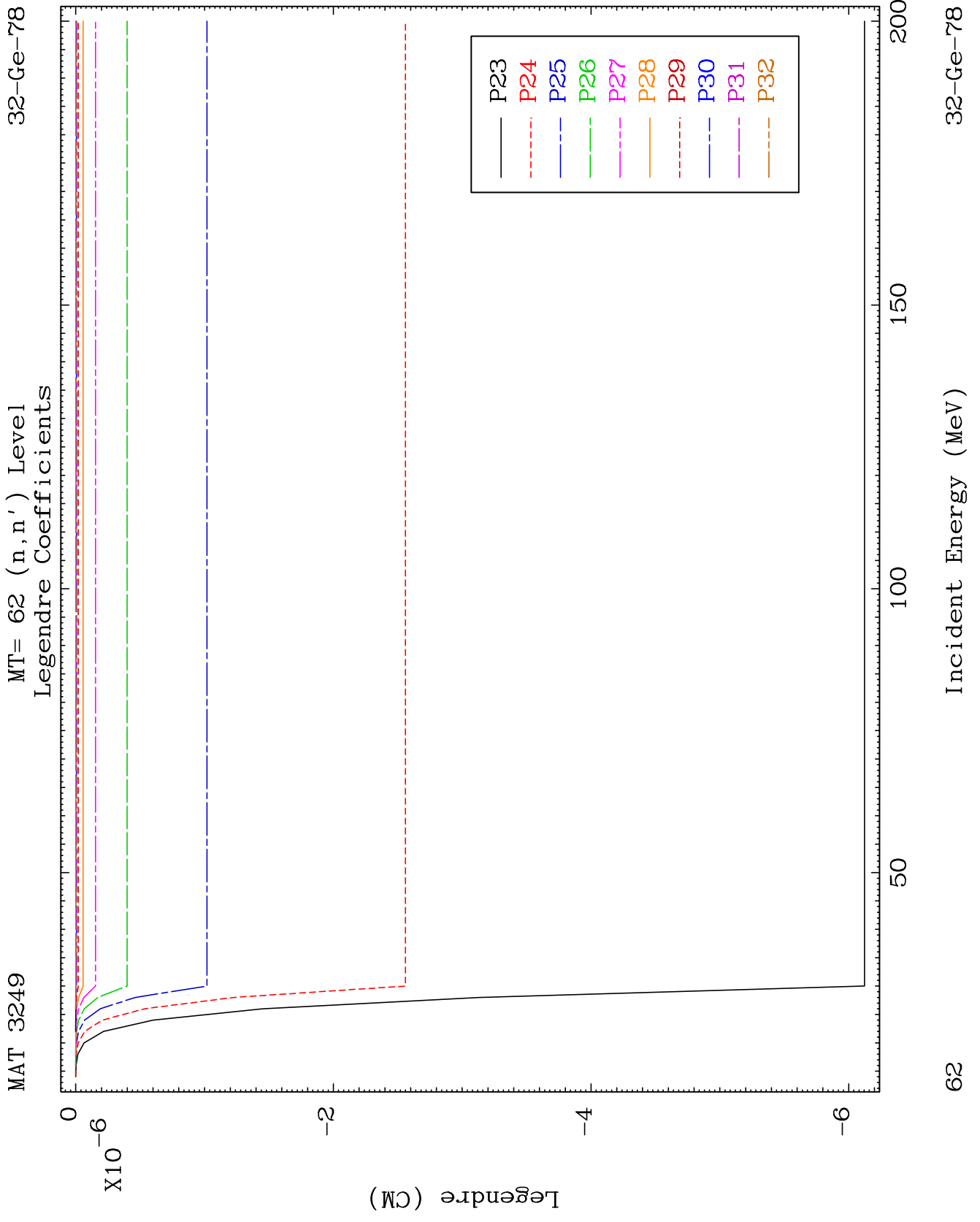
32-Ge-78



61

Incident Energy (MeV)

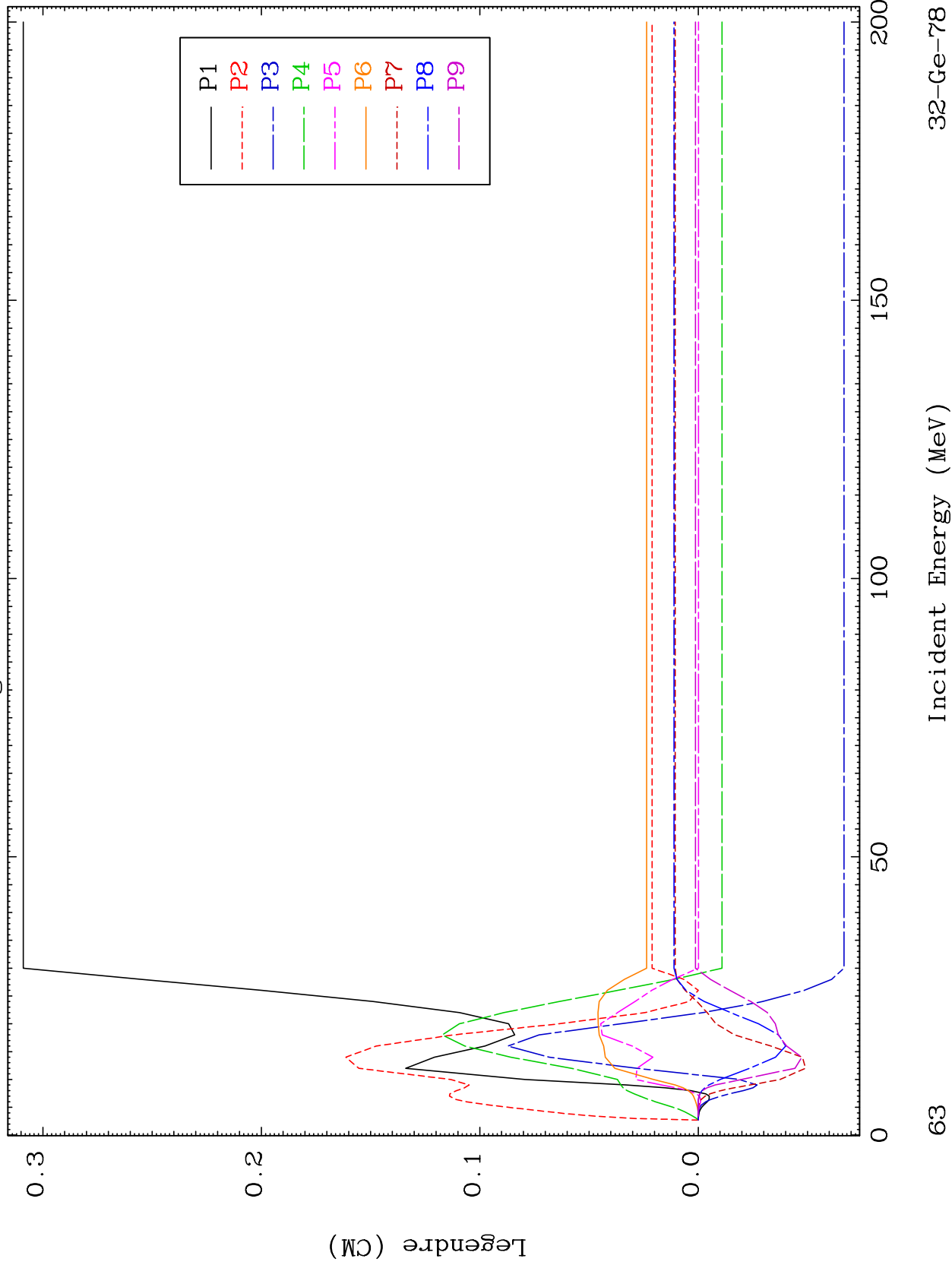
32-Ge-78

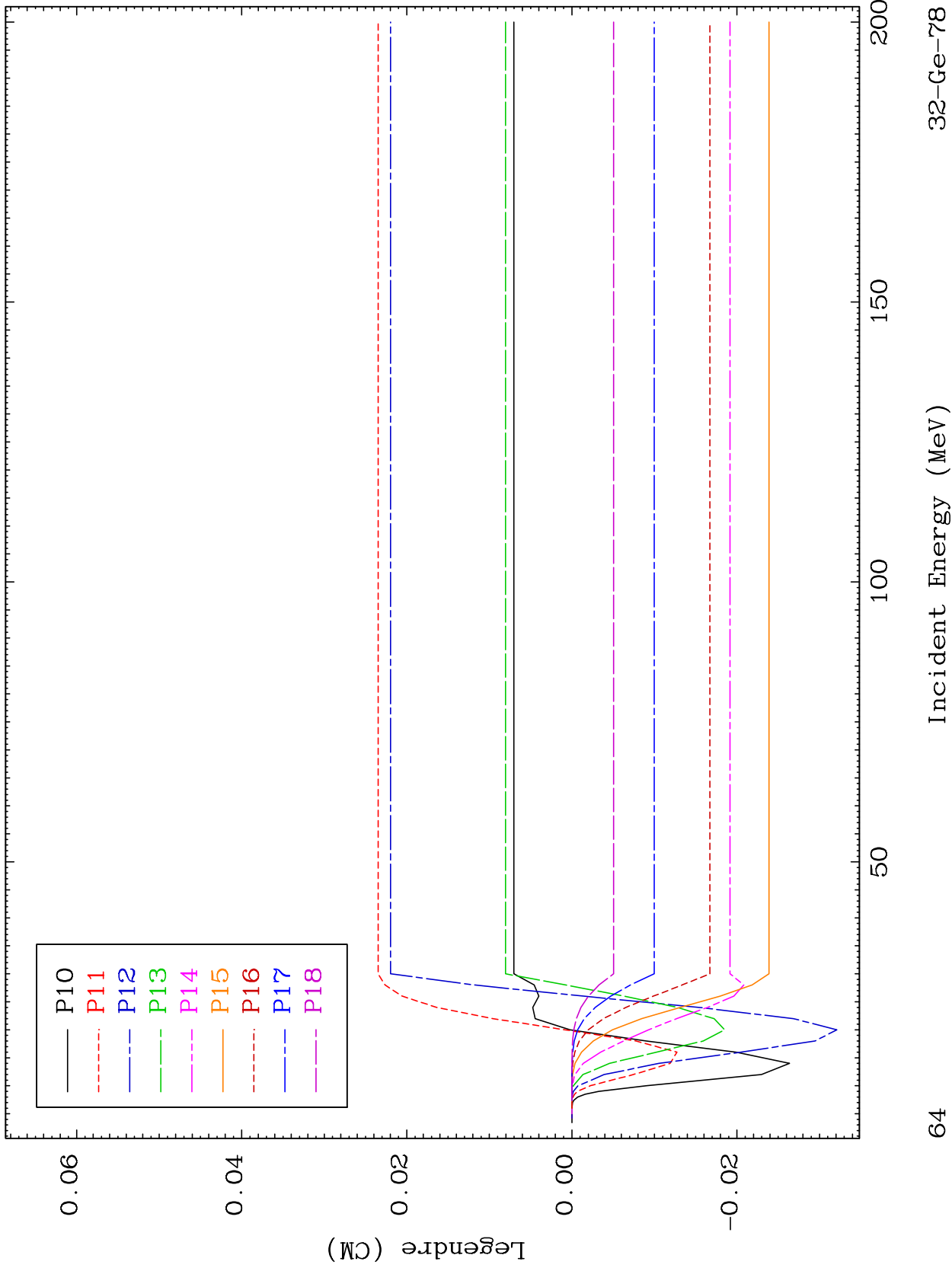


MAT 3249

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

32-Ge-78

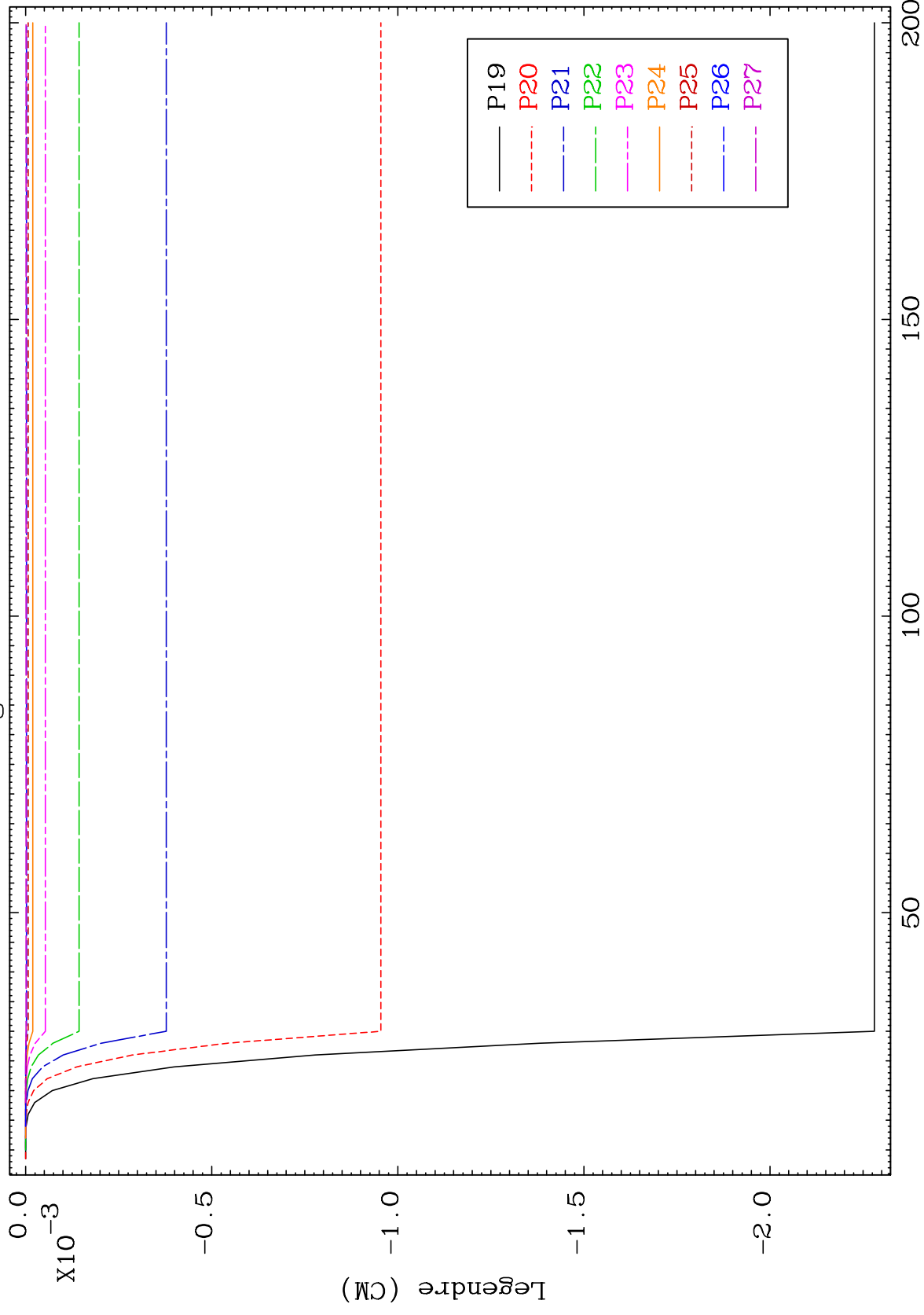




MAT 3249

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

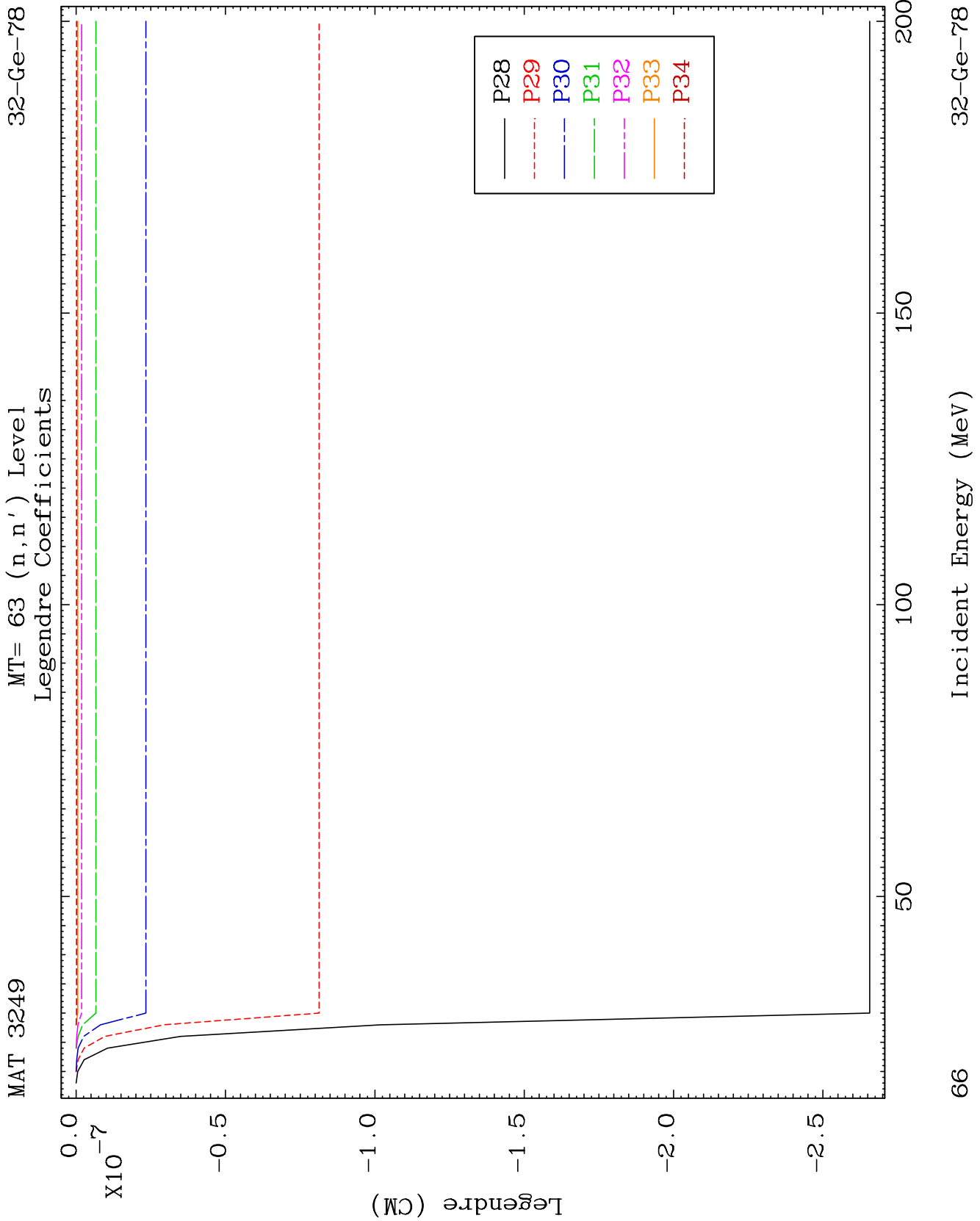
32-Ge-78



65

Incident Energy (MeV)

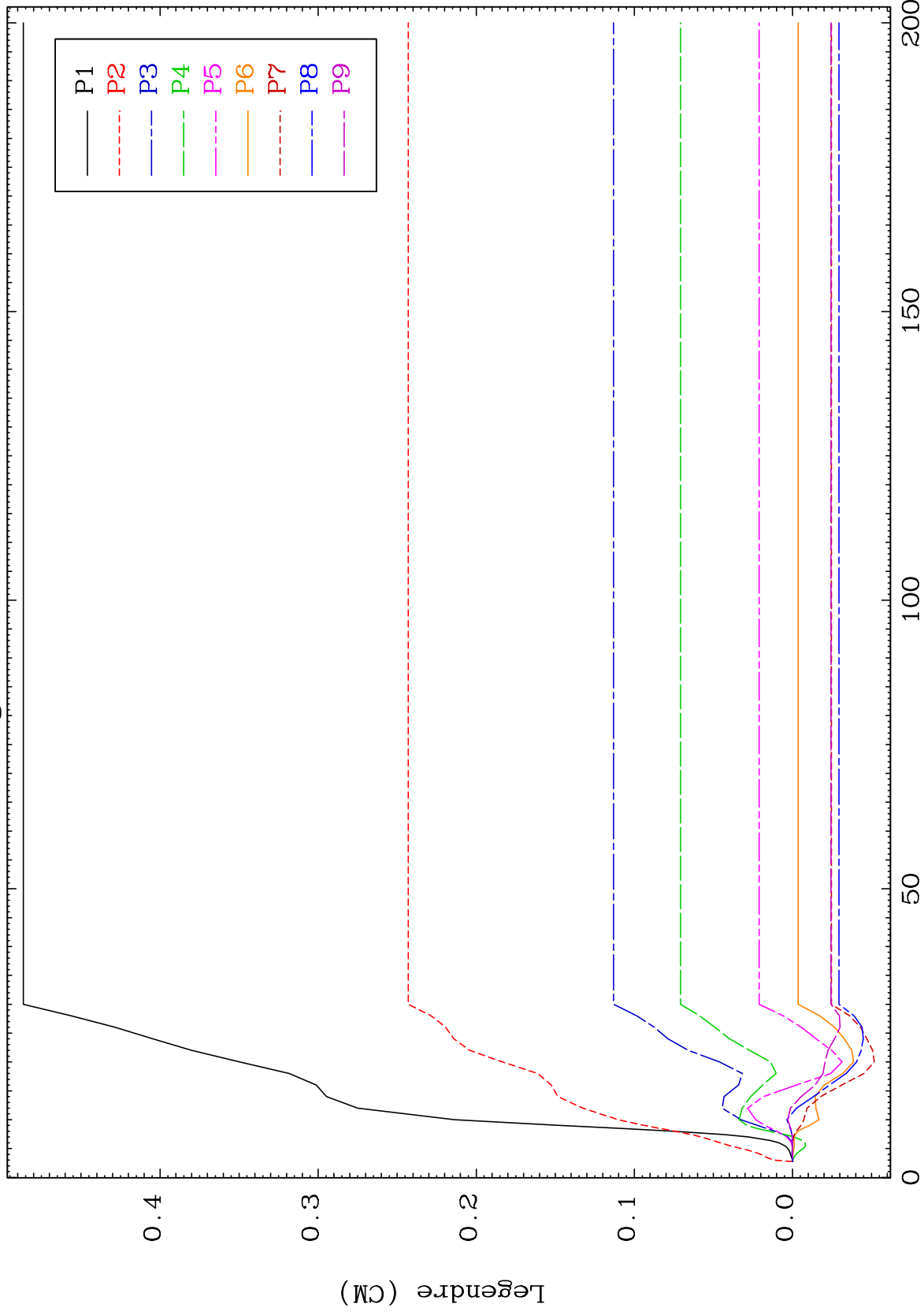
32-Ge-78



MAT 3249

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

32-Ge-78



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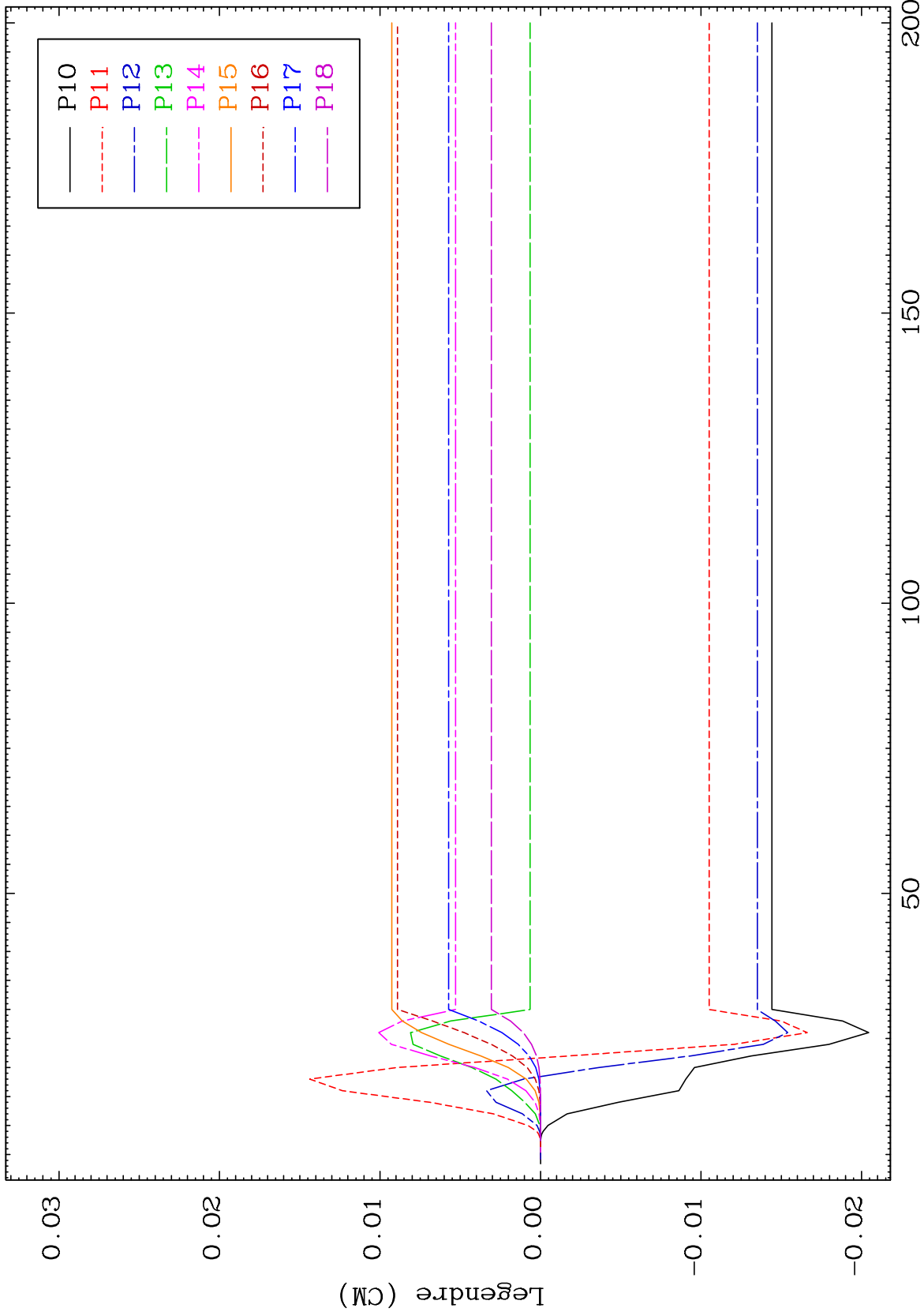
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



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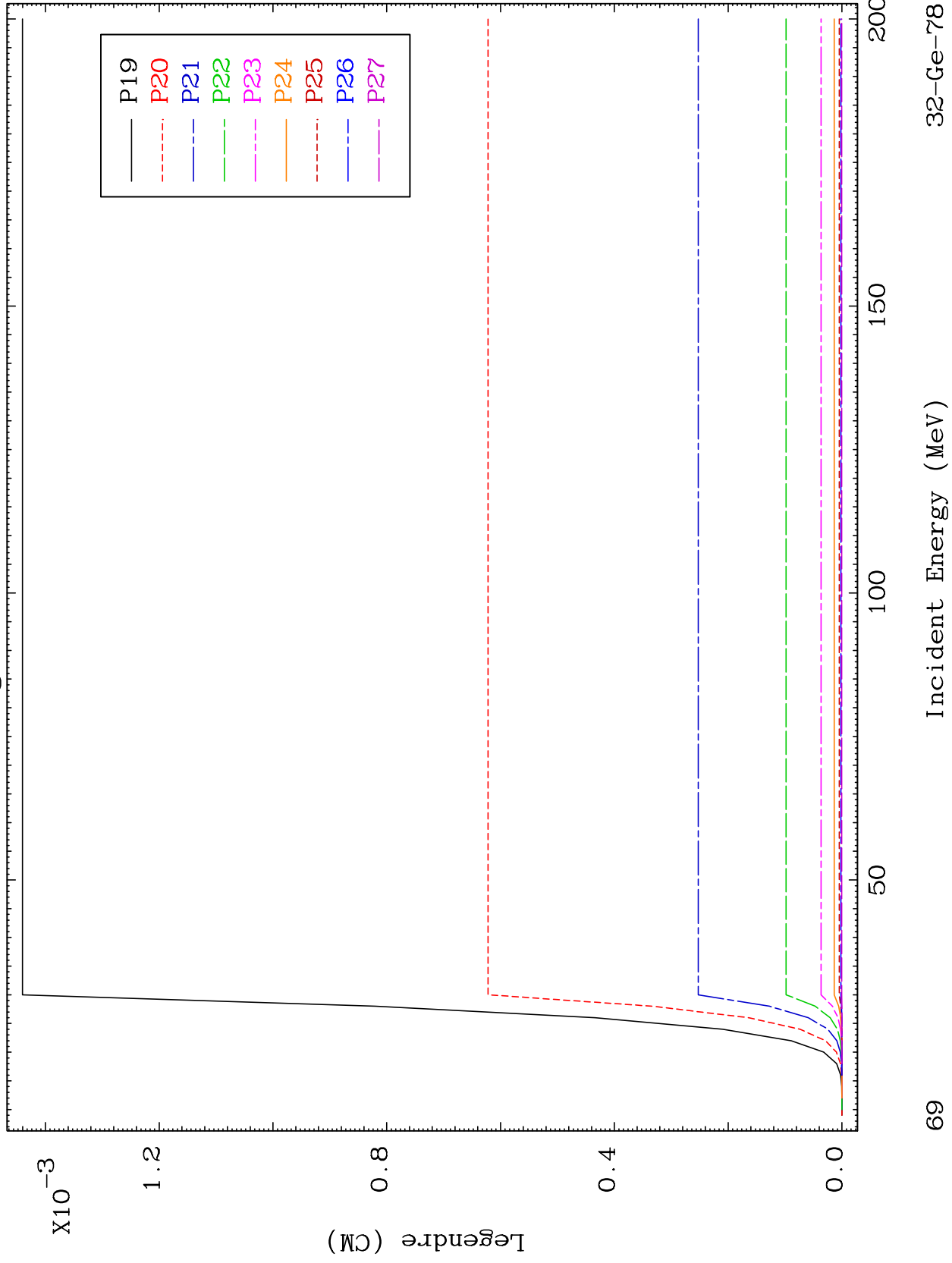
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



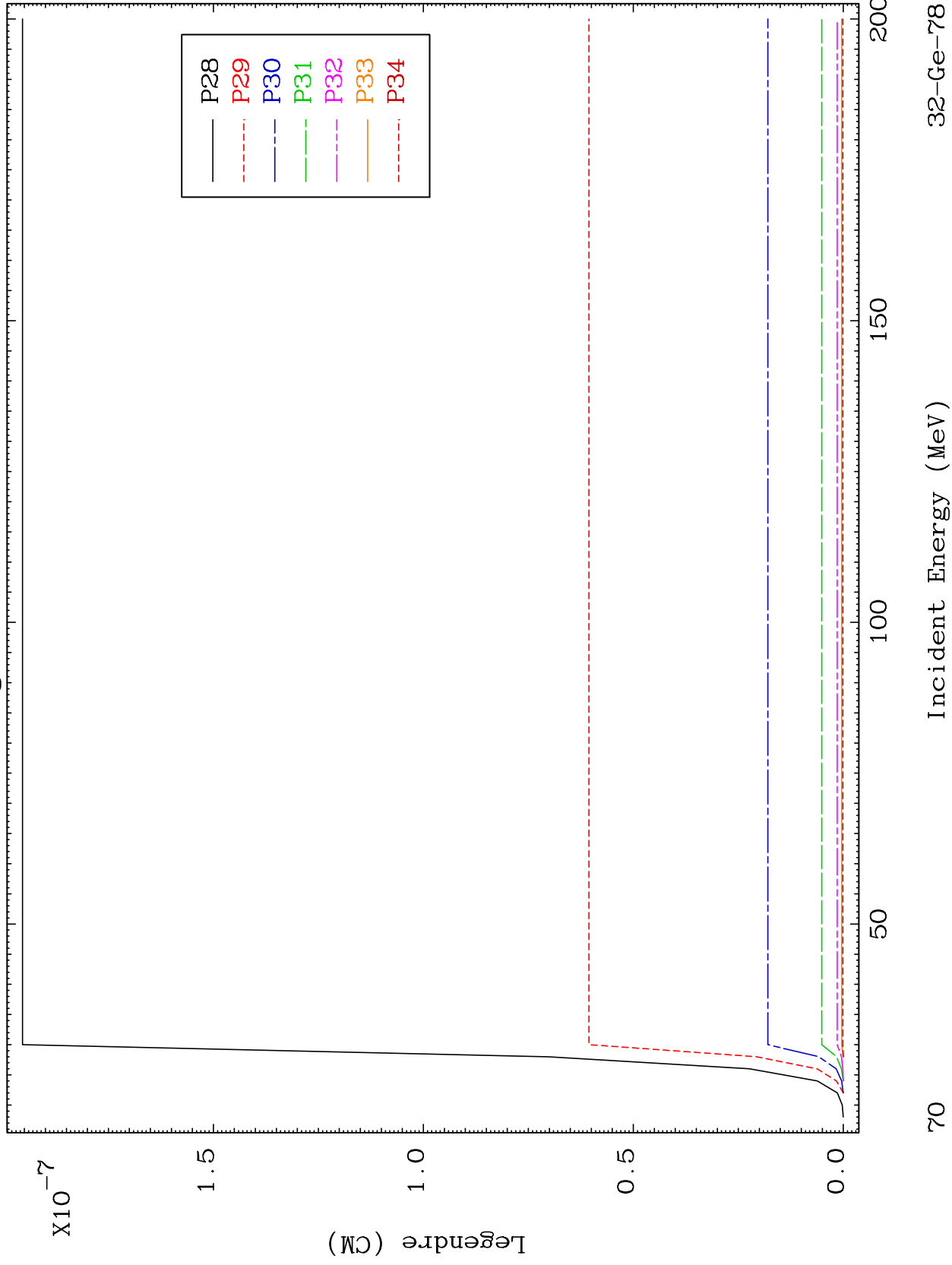
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32-Ge-78

MAT 3249

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

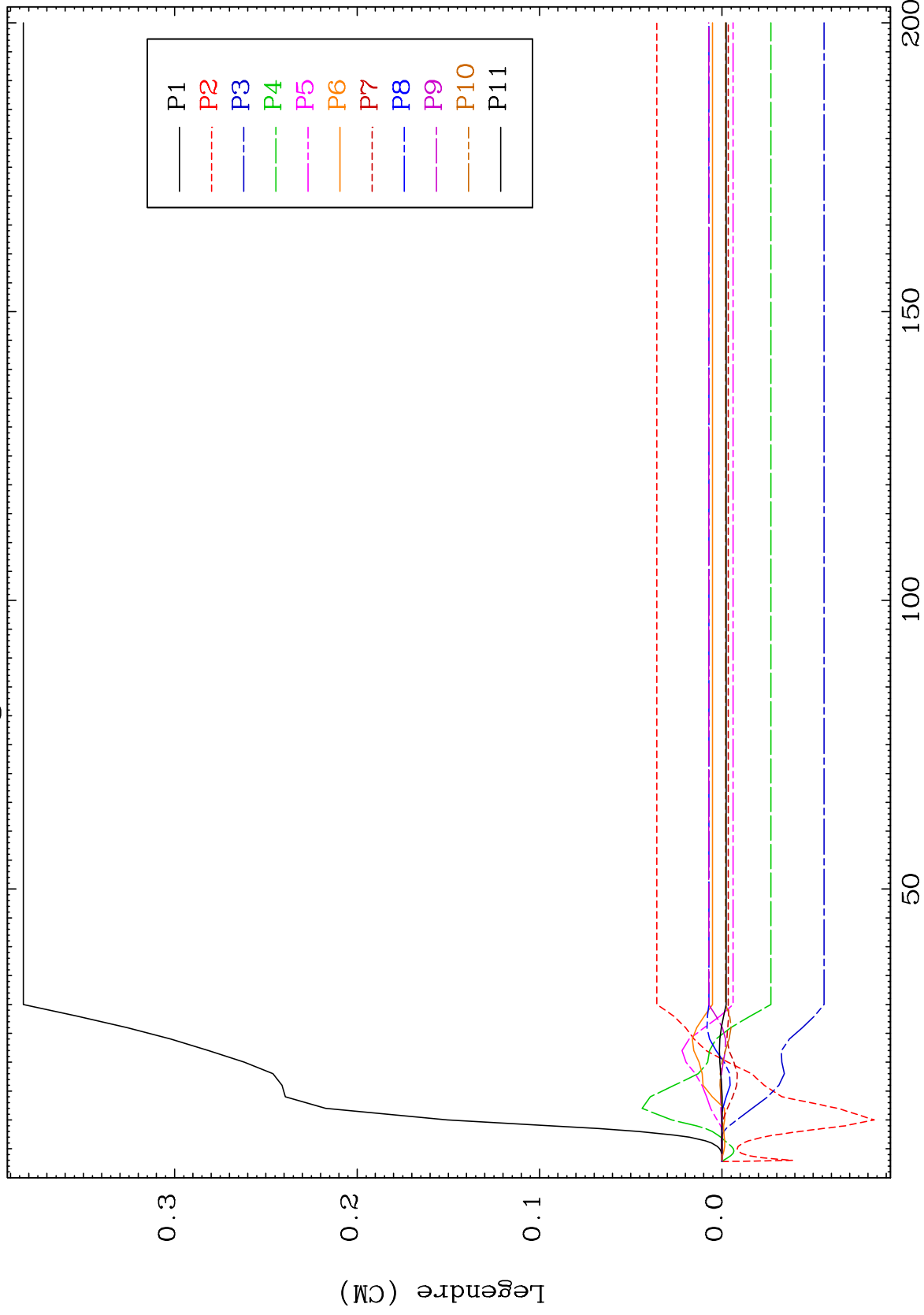
32-Ge-78



MAT 3249

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

32-Ge-78



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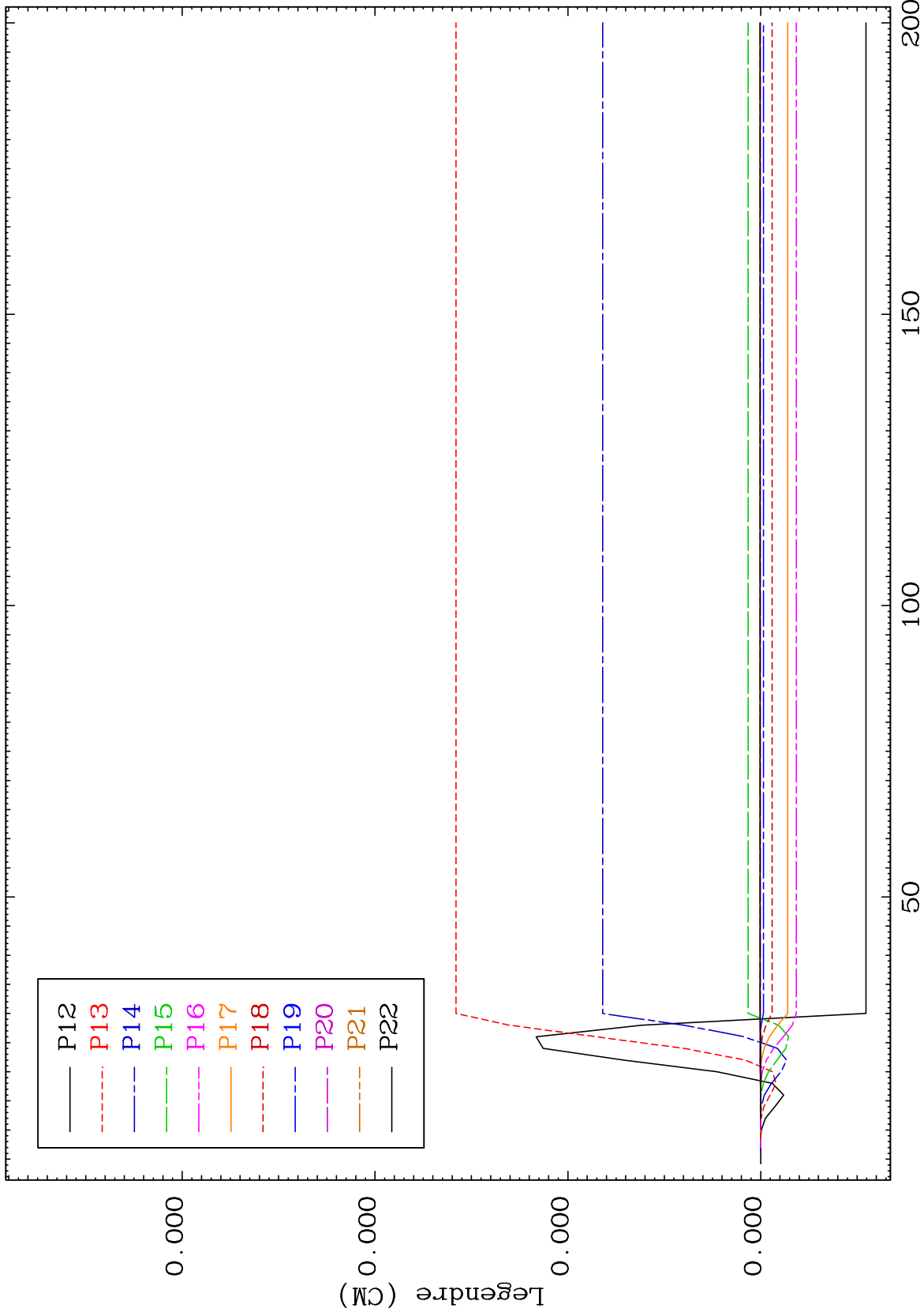
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



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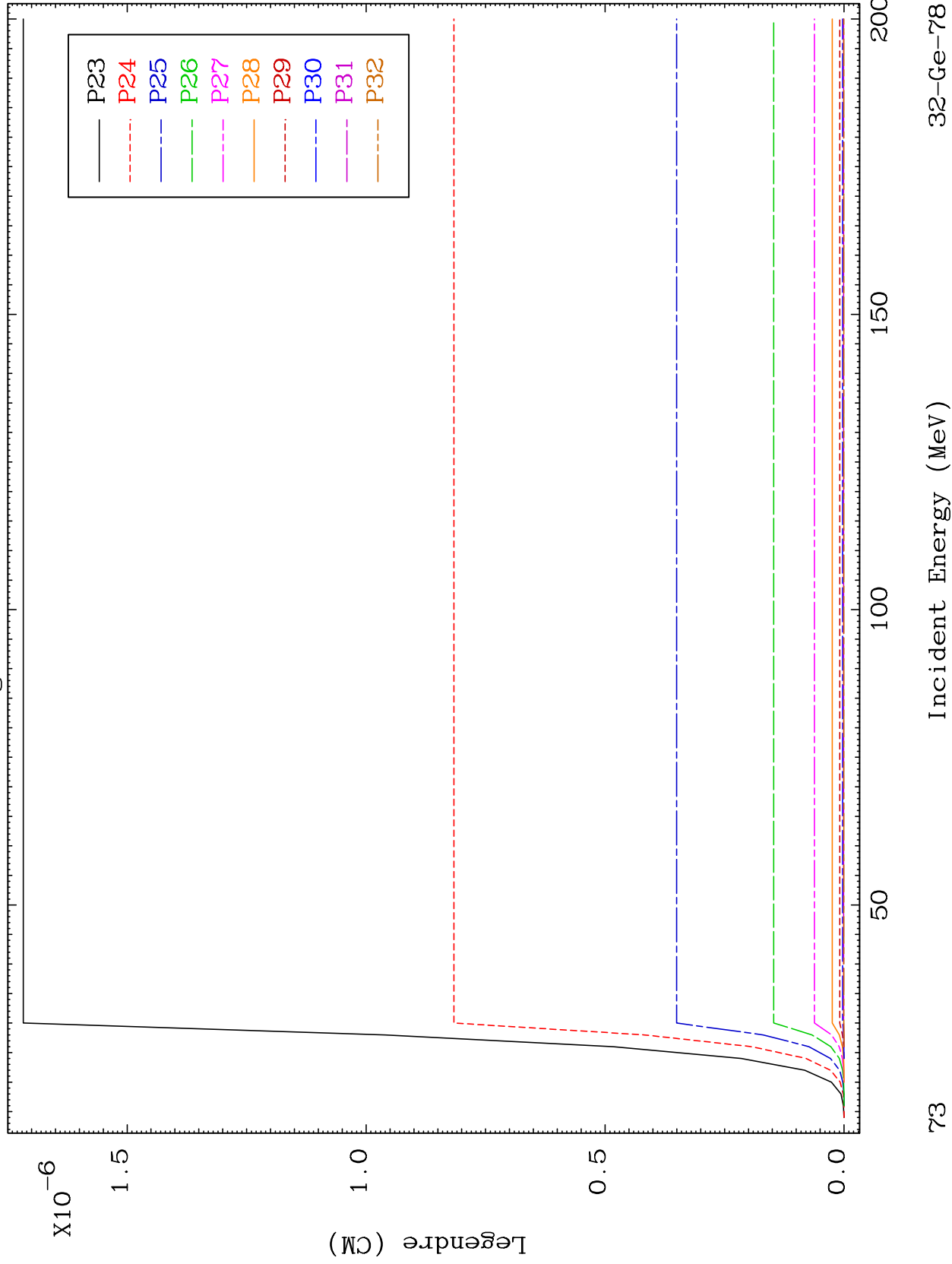
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



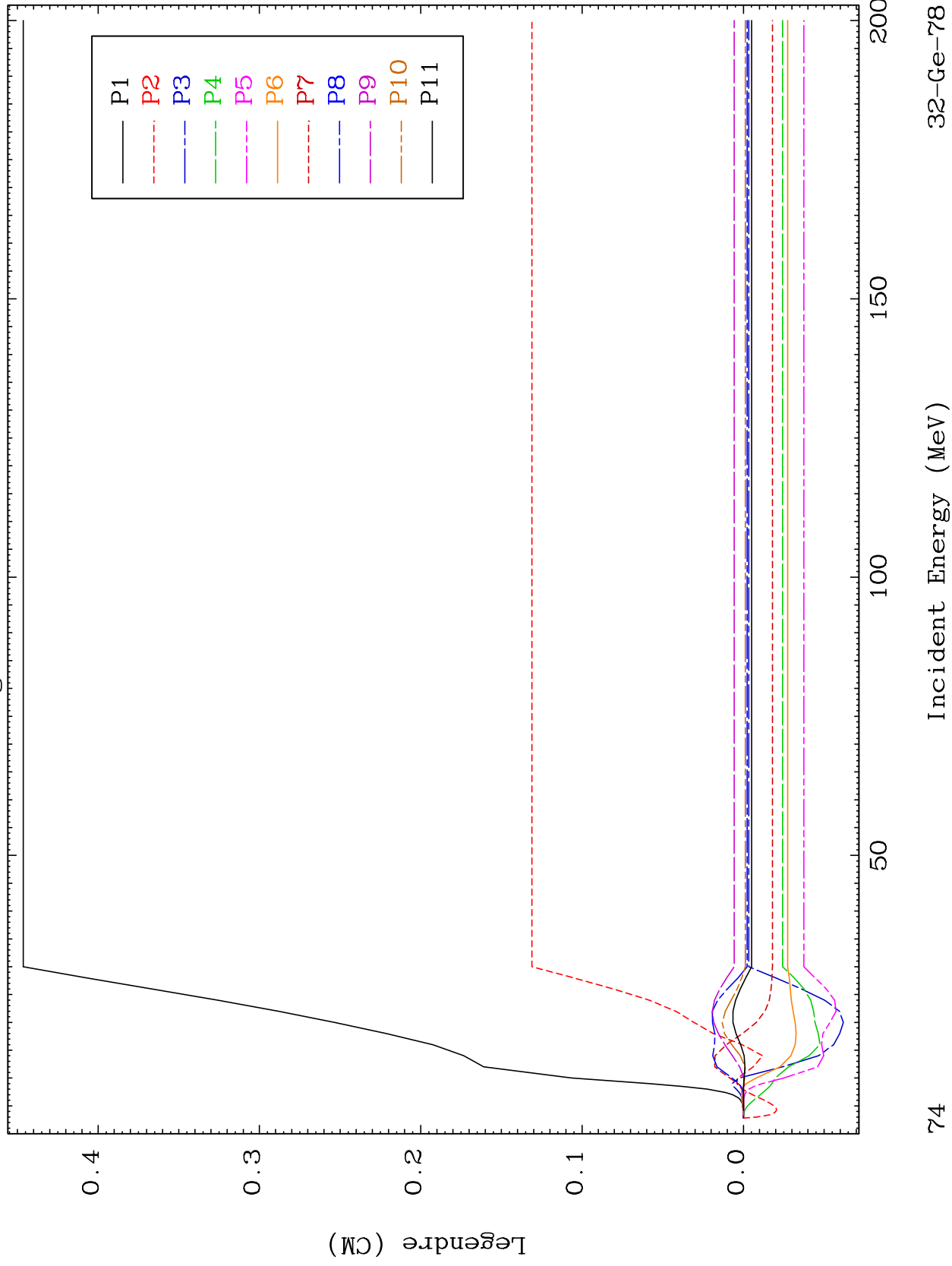
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32-Ge-78

MAT 3249

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

32-Ge-78



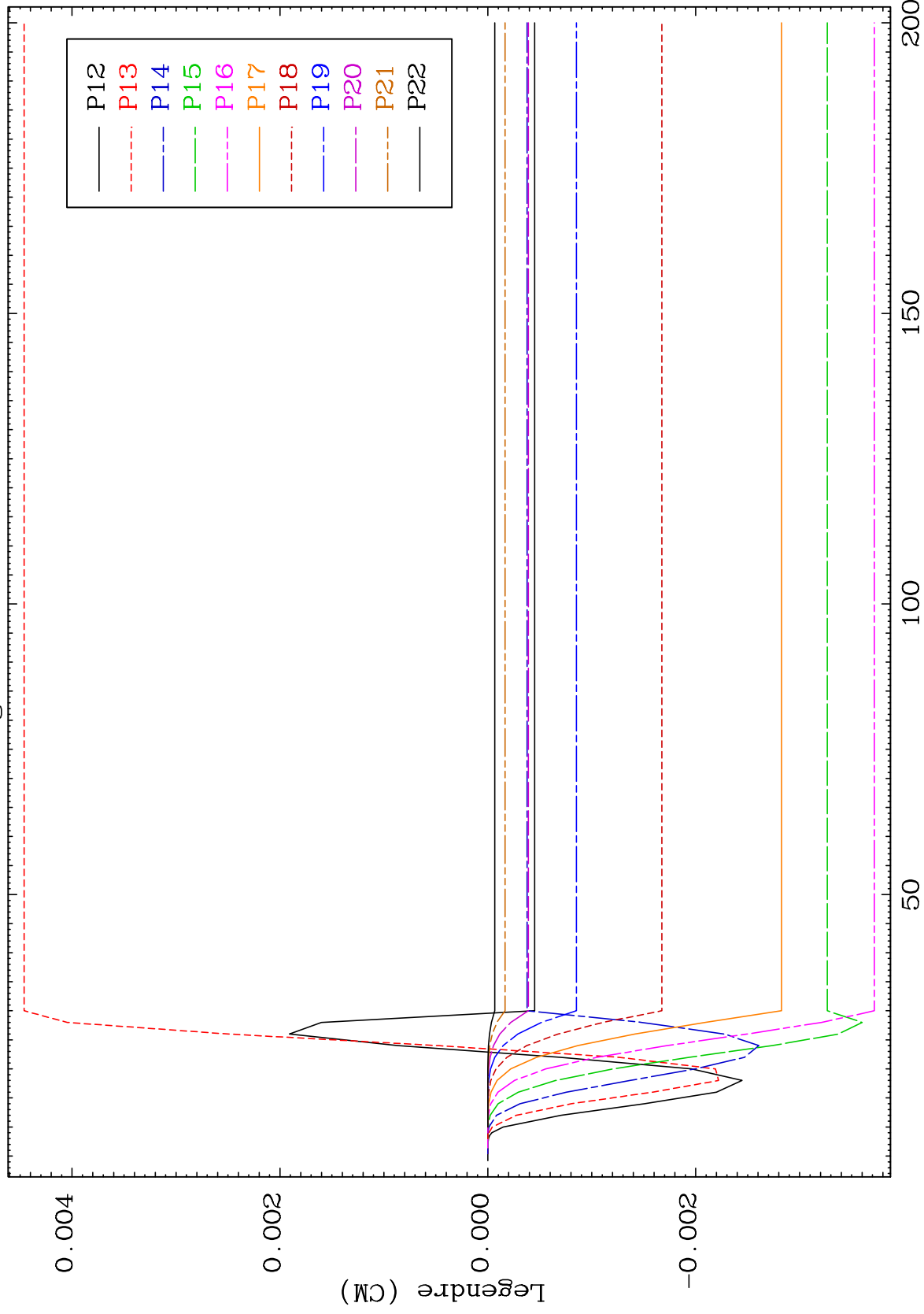
74

32-Ge-78

MAT 3249

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

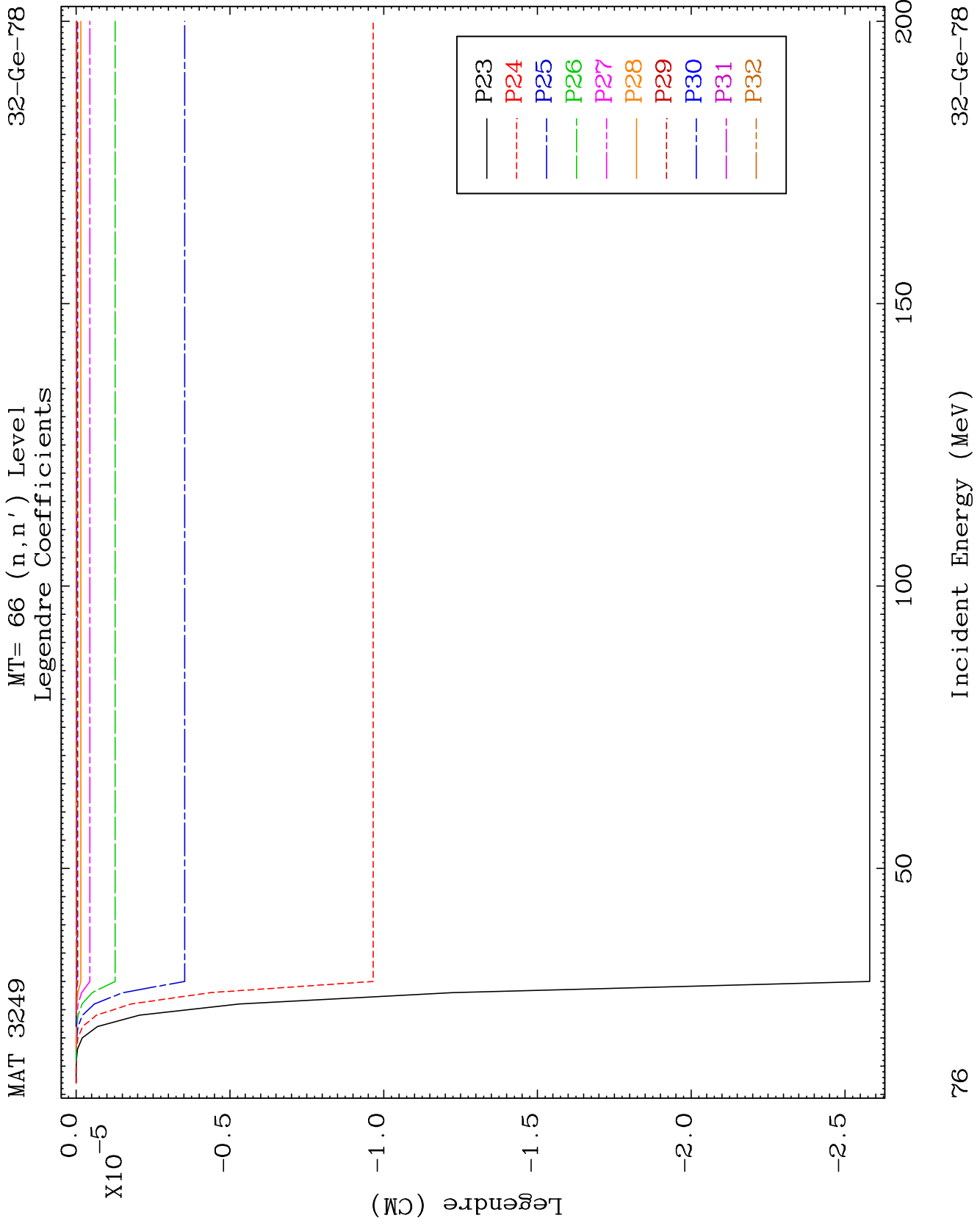
32-Ge-78



75

Incident Energy (MeV)

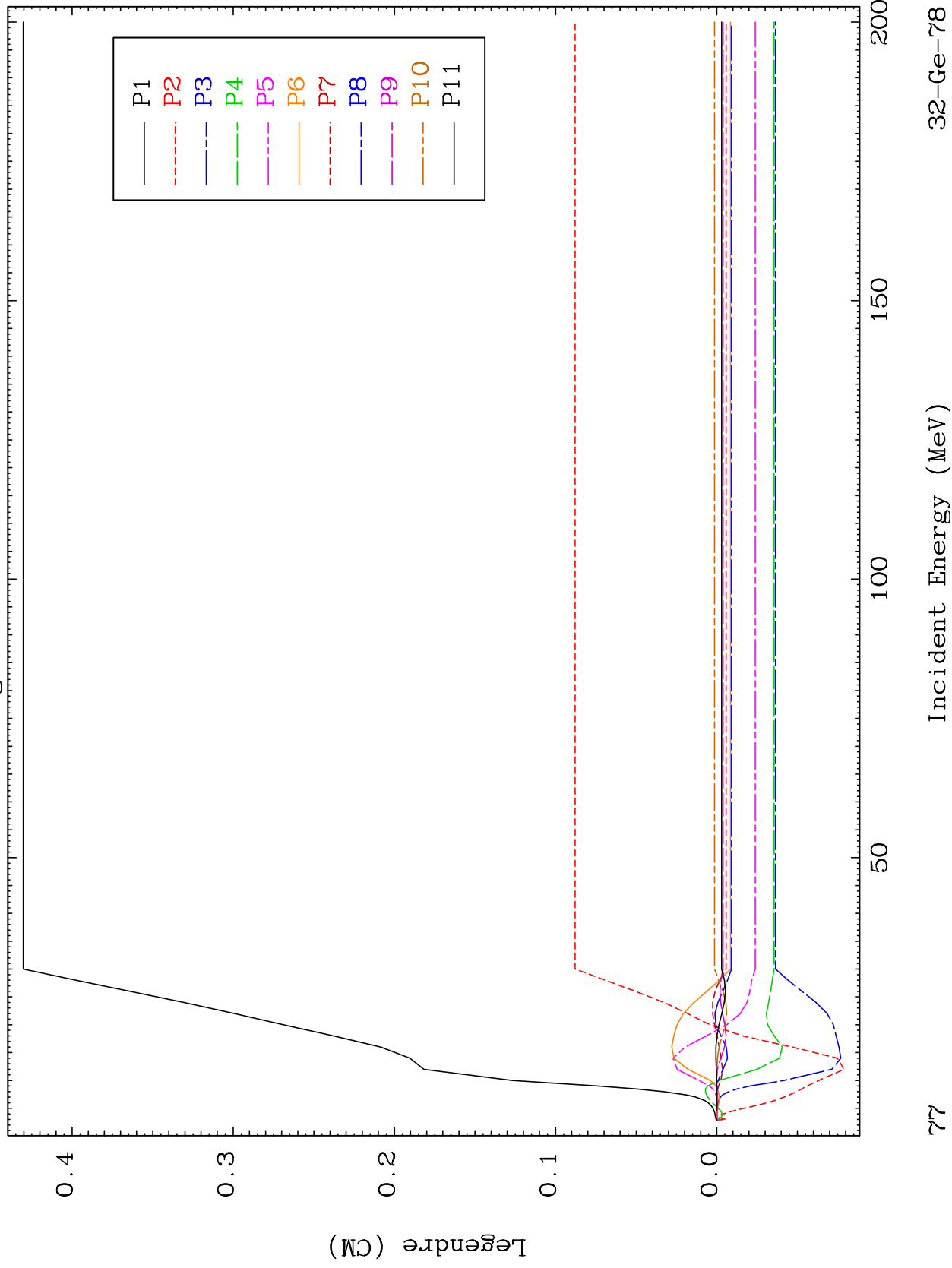
32-Ge-78



MAT 3249

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

32-Ge-78



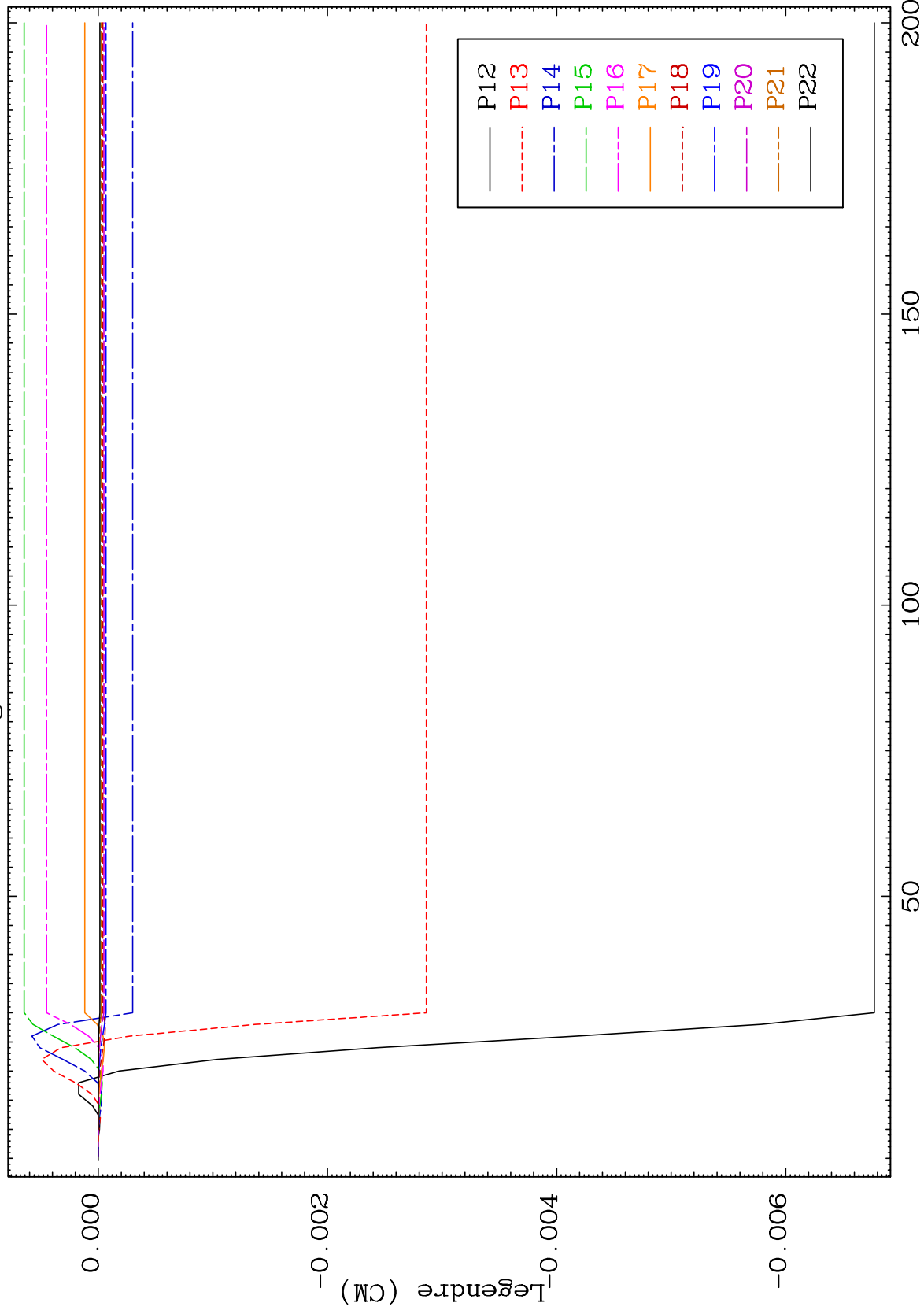
77

32-Ge-78

MAT 3249

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

32-Ge-78



78

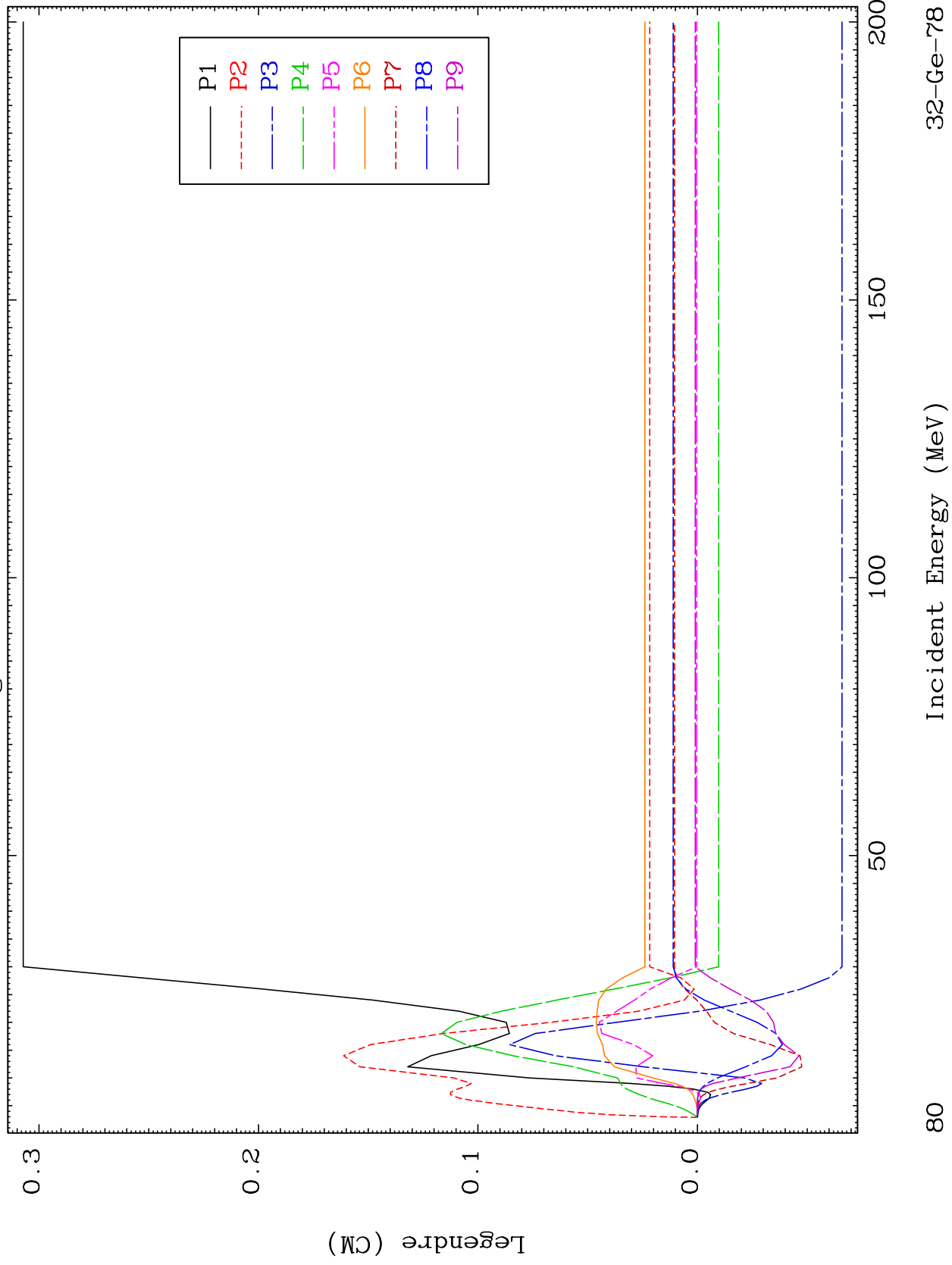
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

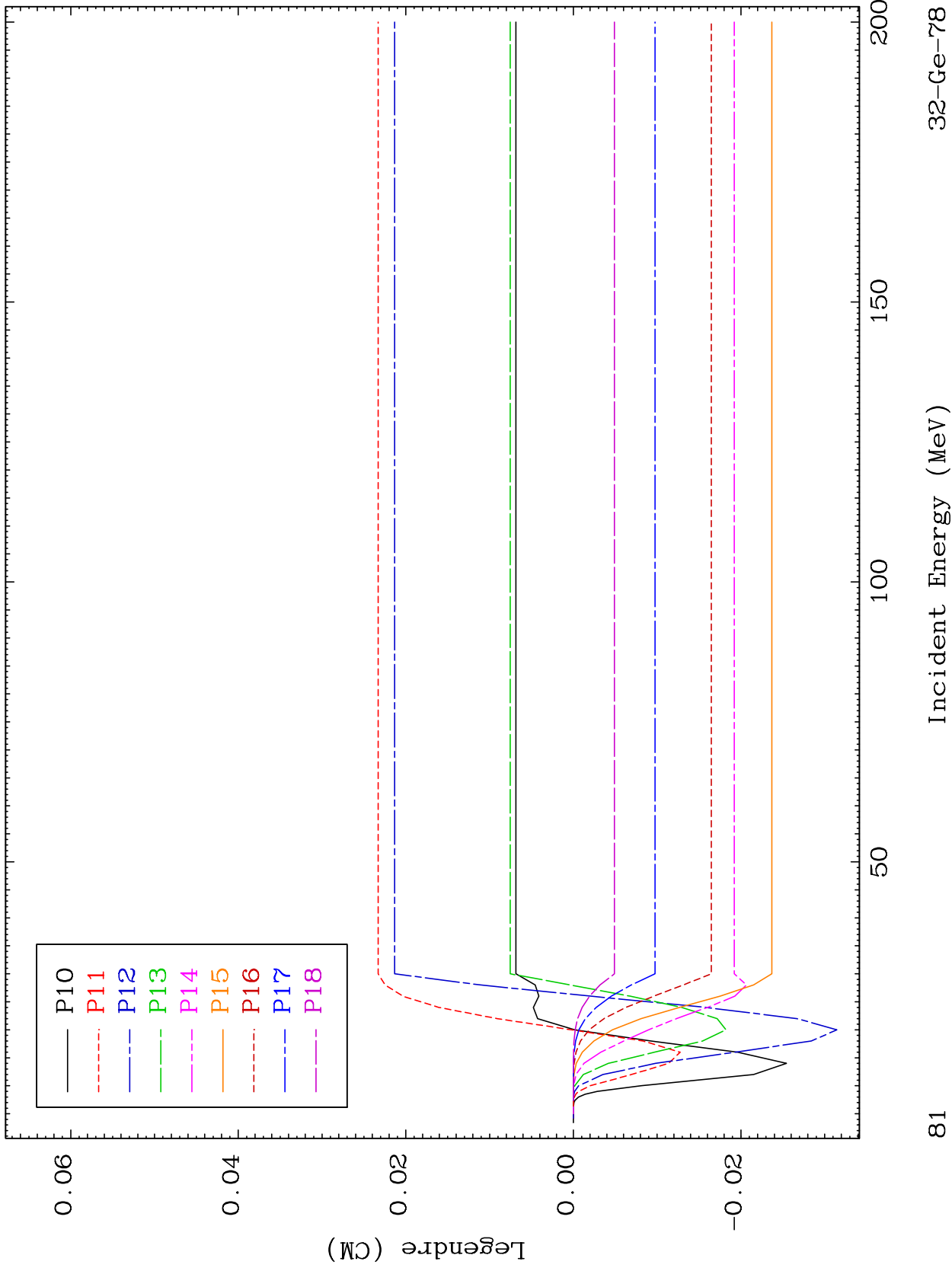
32-Ge-78



32-Ge-78

Incident Energy (MeV)

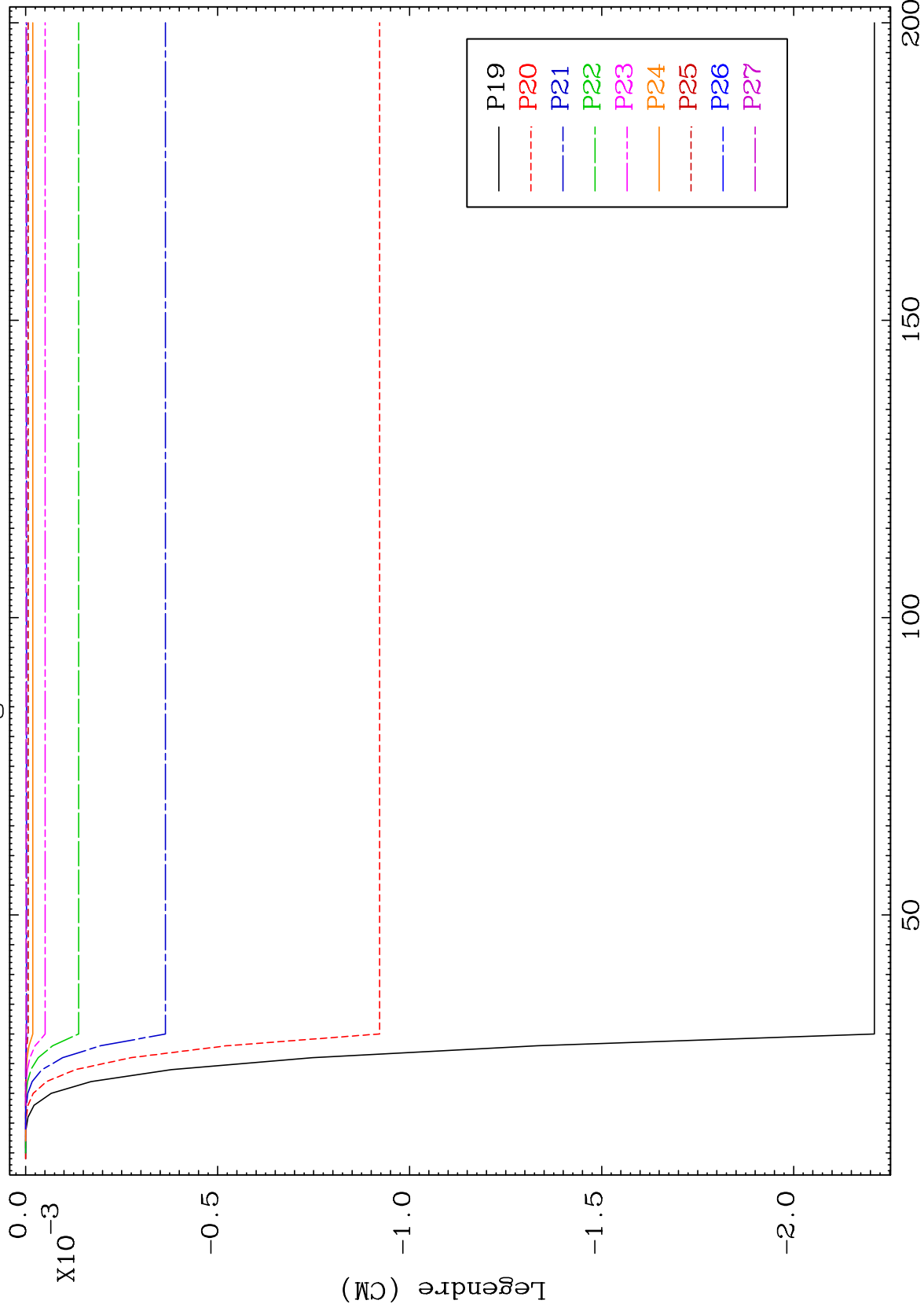
80



MAT 3249

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

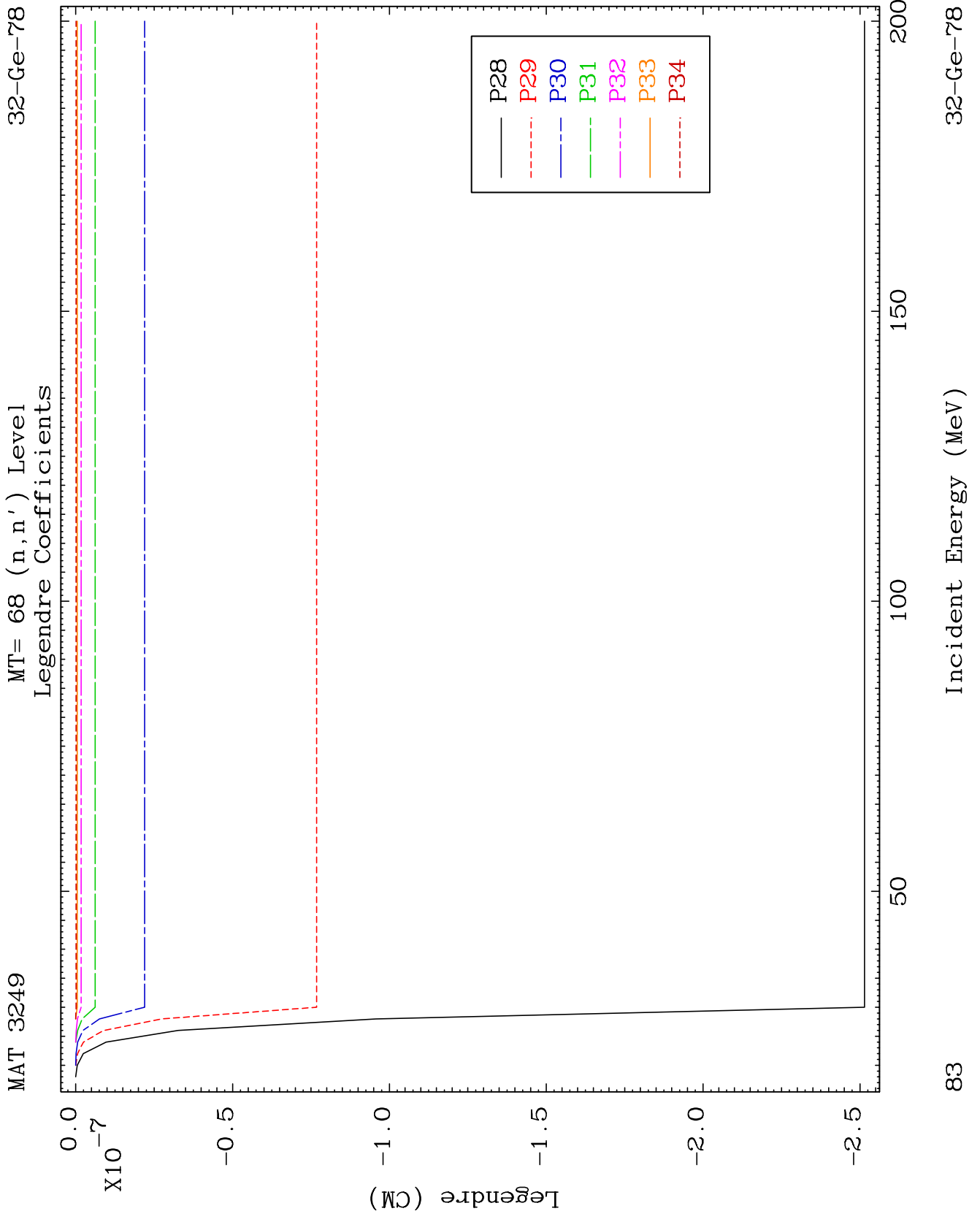
32-Ge-78



82

Incident Energy (MeV)

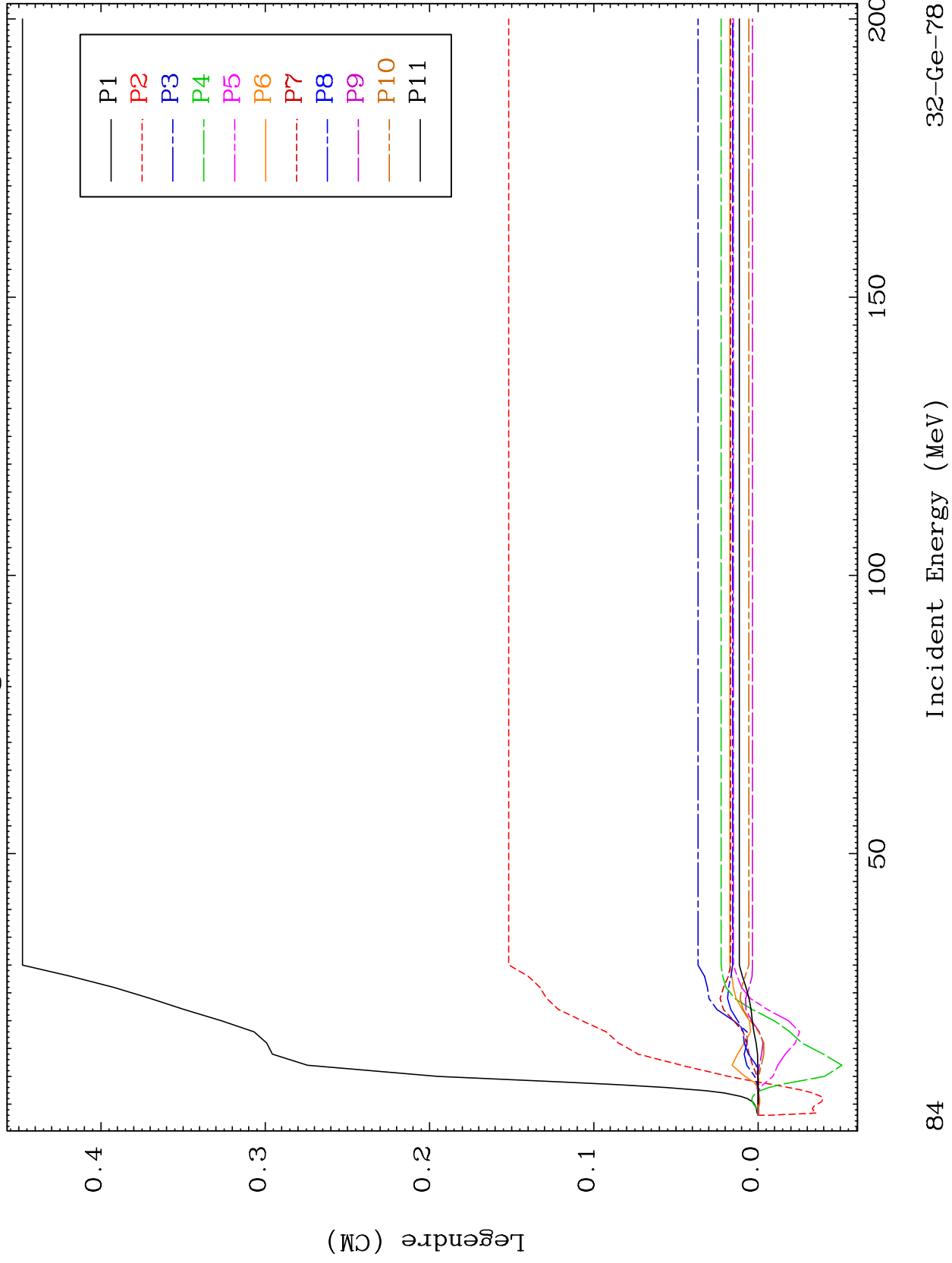
32-Ge-78



MAT 3249

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

32-Ge-78



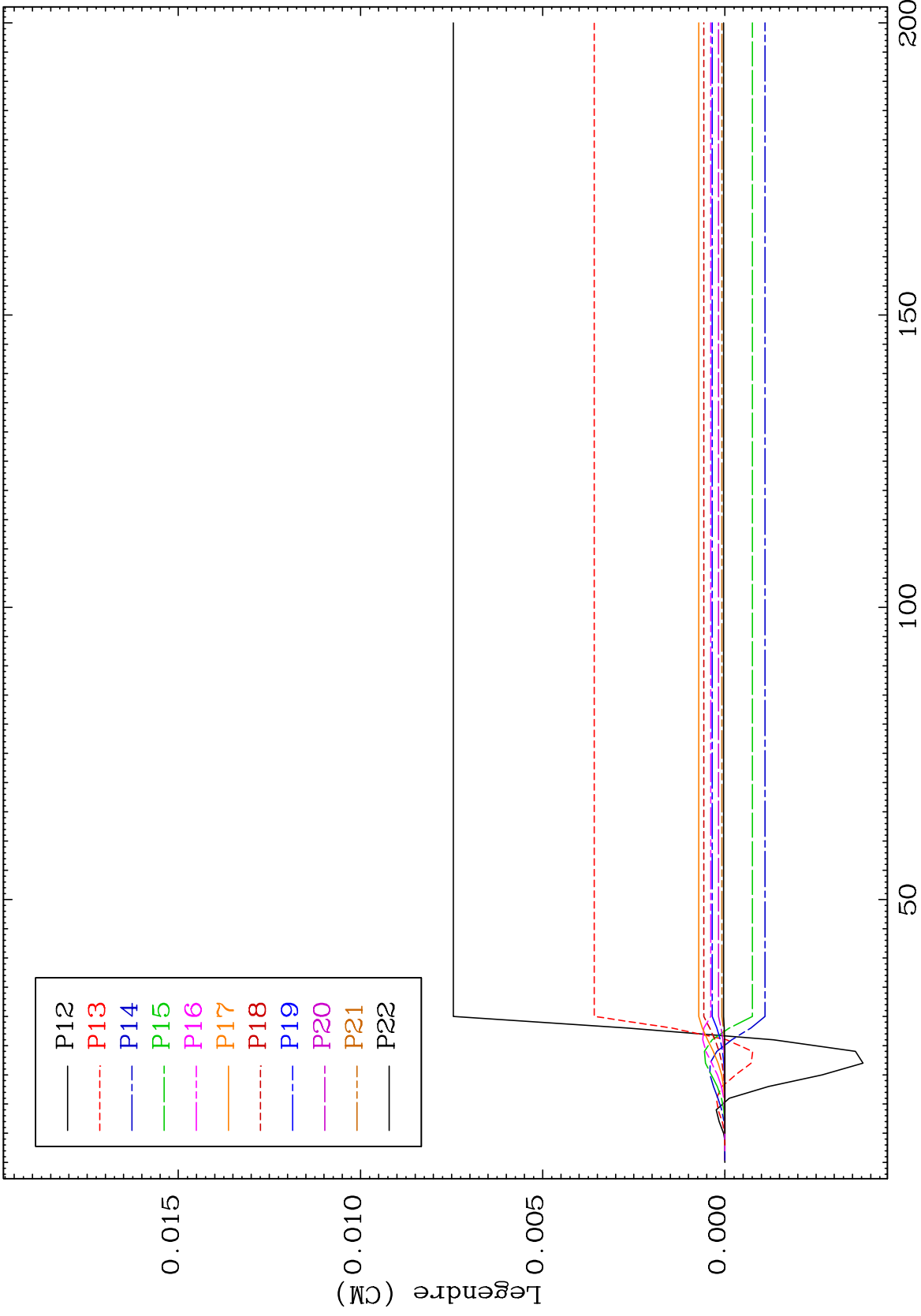
84

32-Ge-78

MAT 3249

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

32-Ge-78



85

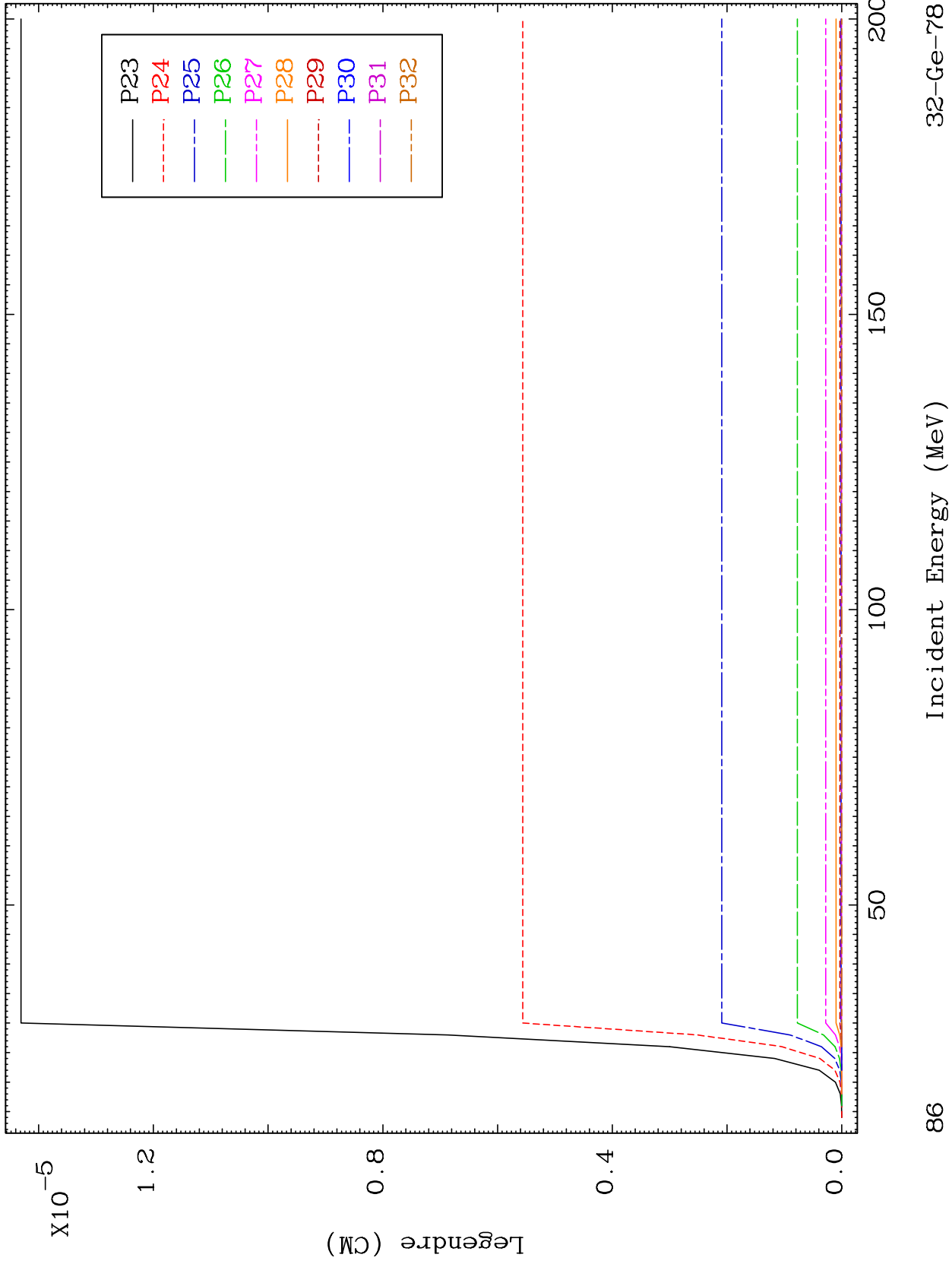
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



86

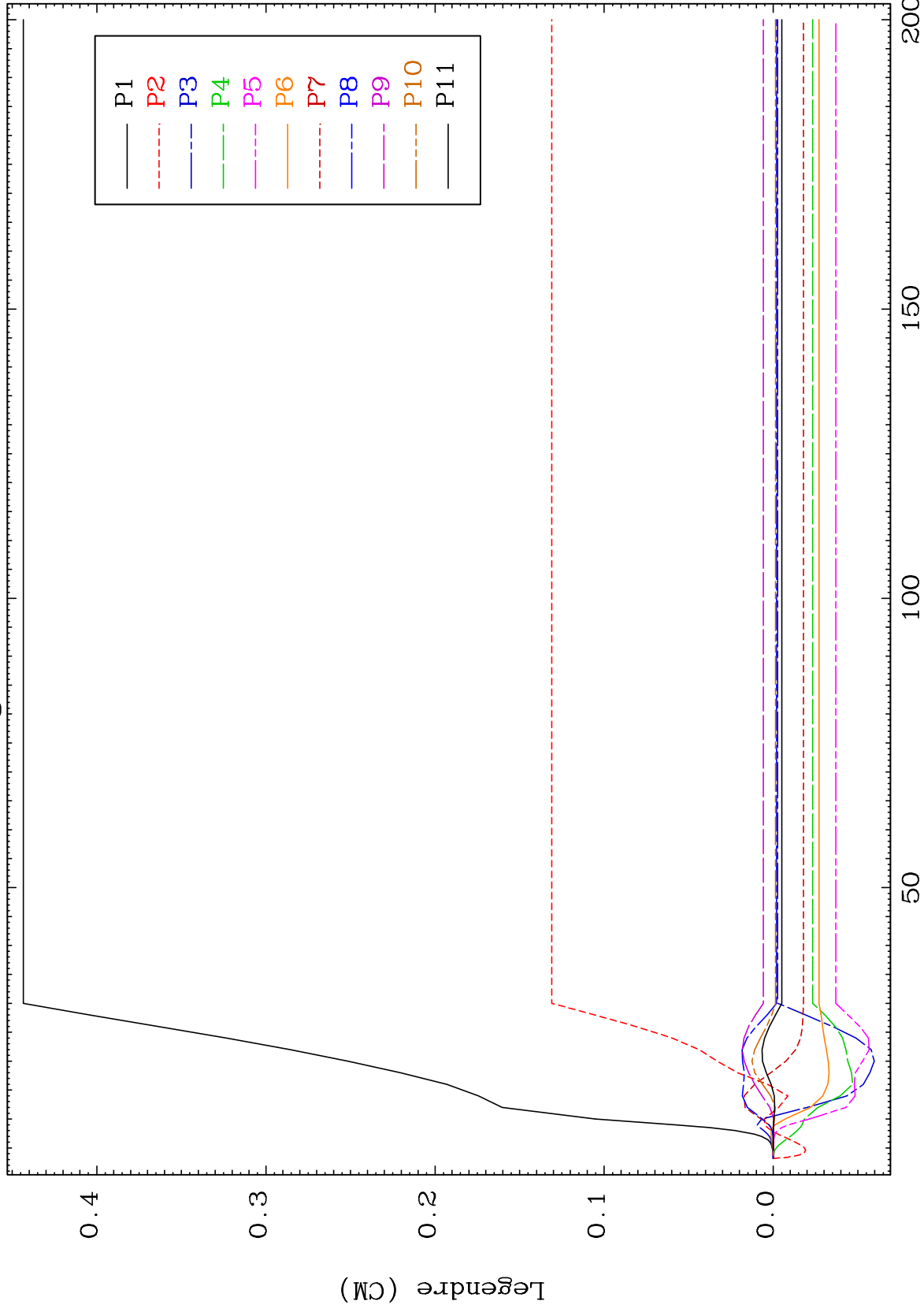
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



87

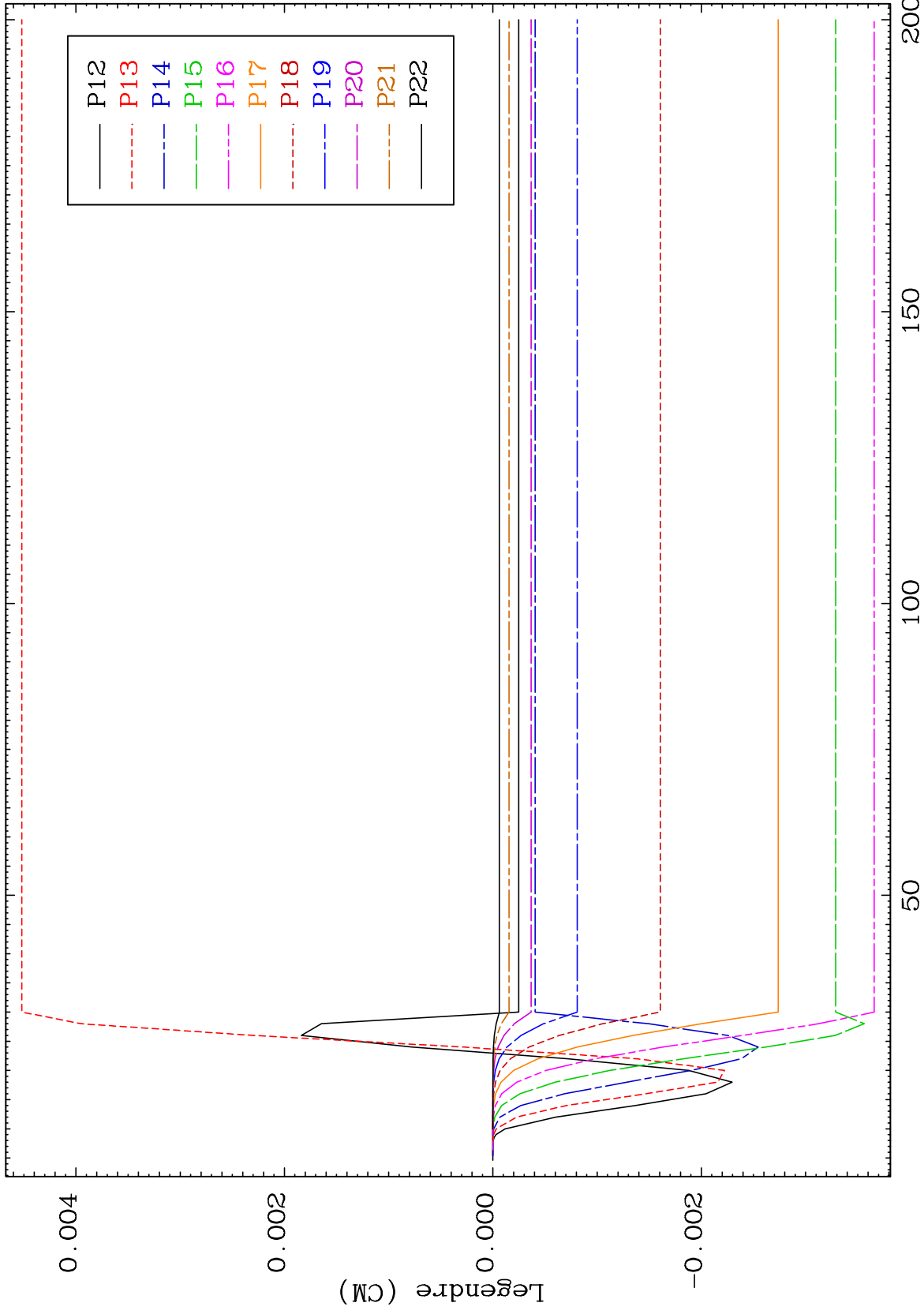
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

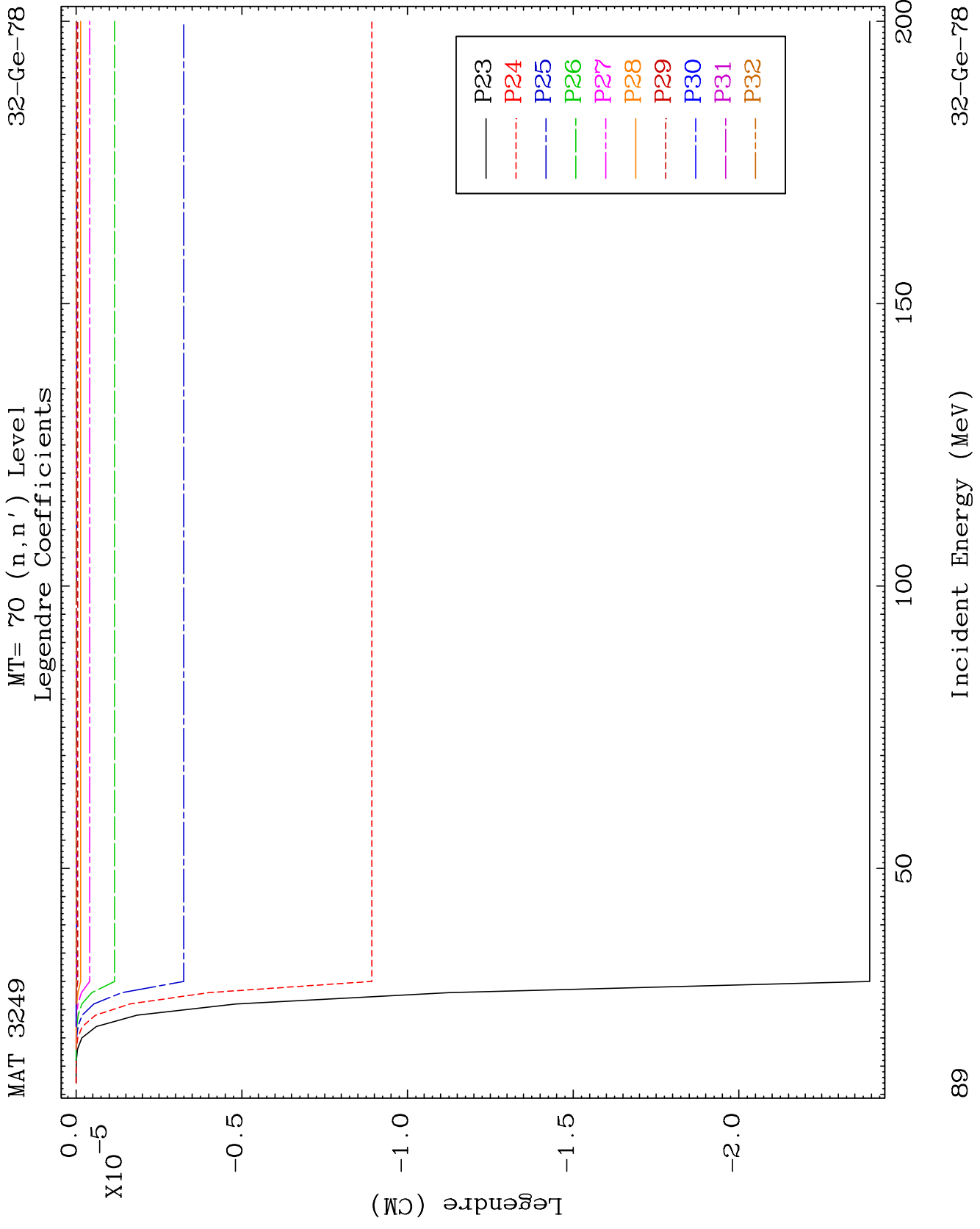
32-Ge-78



88

Incident Energy (MeV)

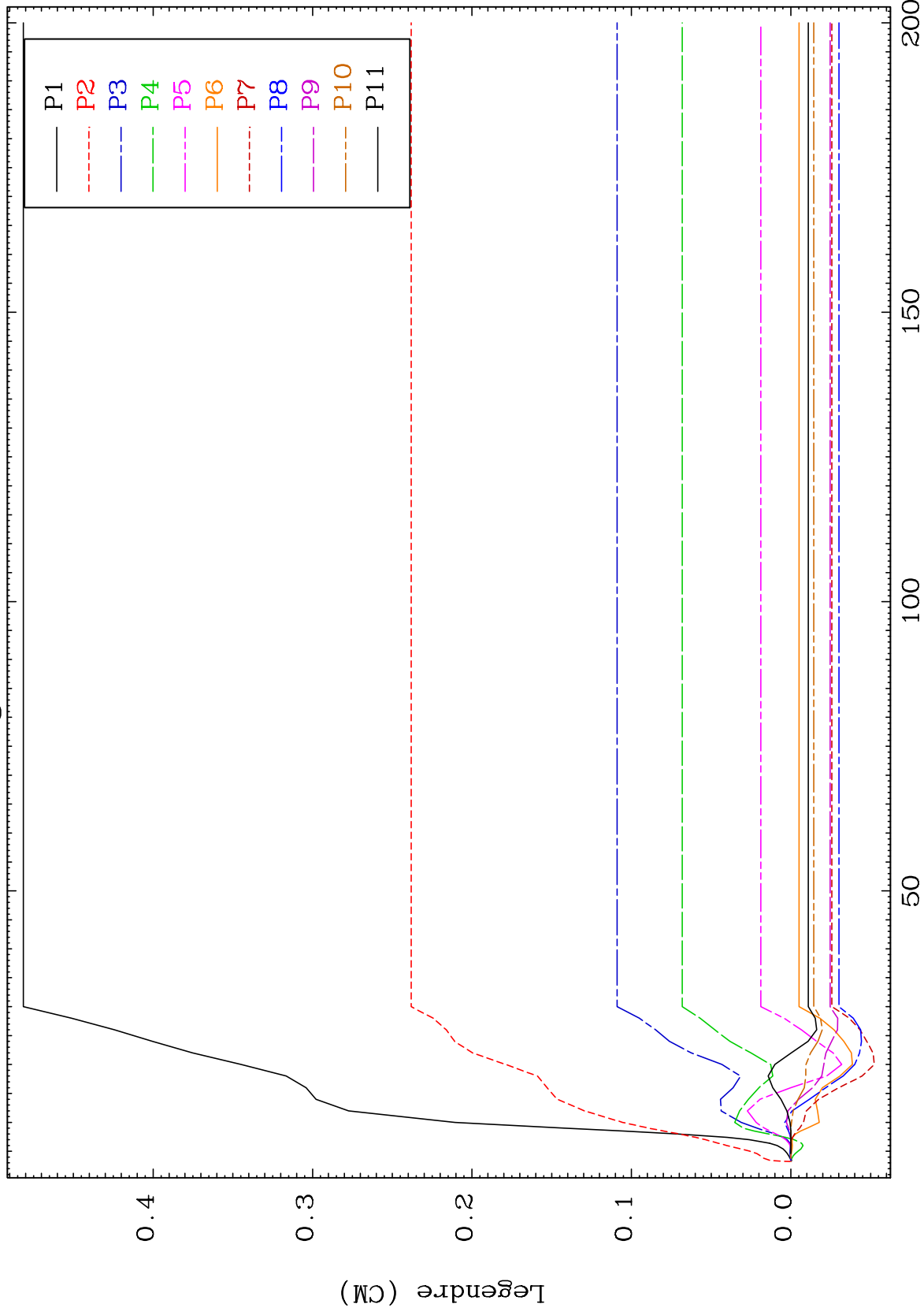
32-Ge-78



MAT 3249

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

32-Ge-78



90

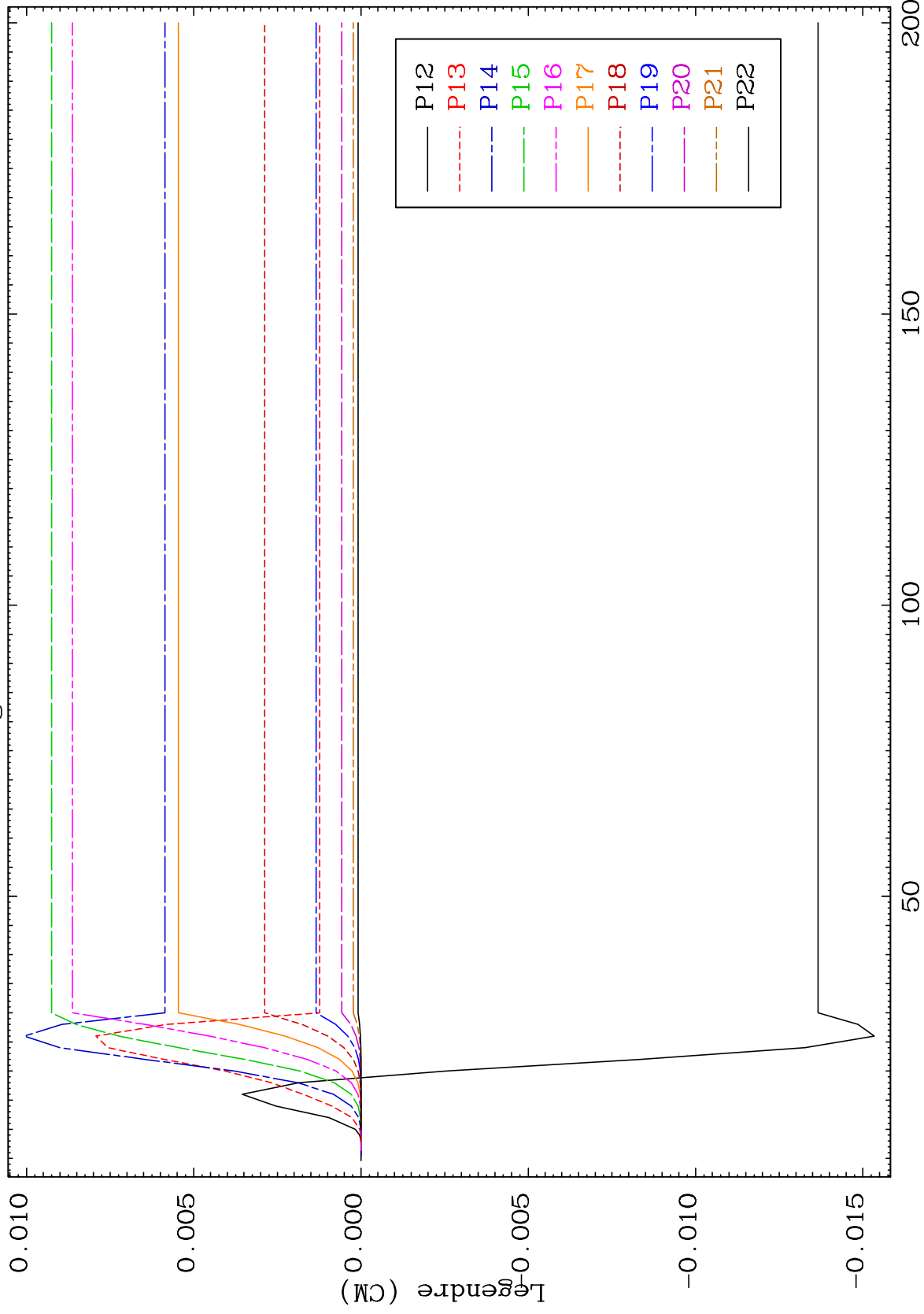
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



91

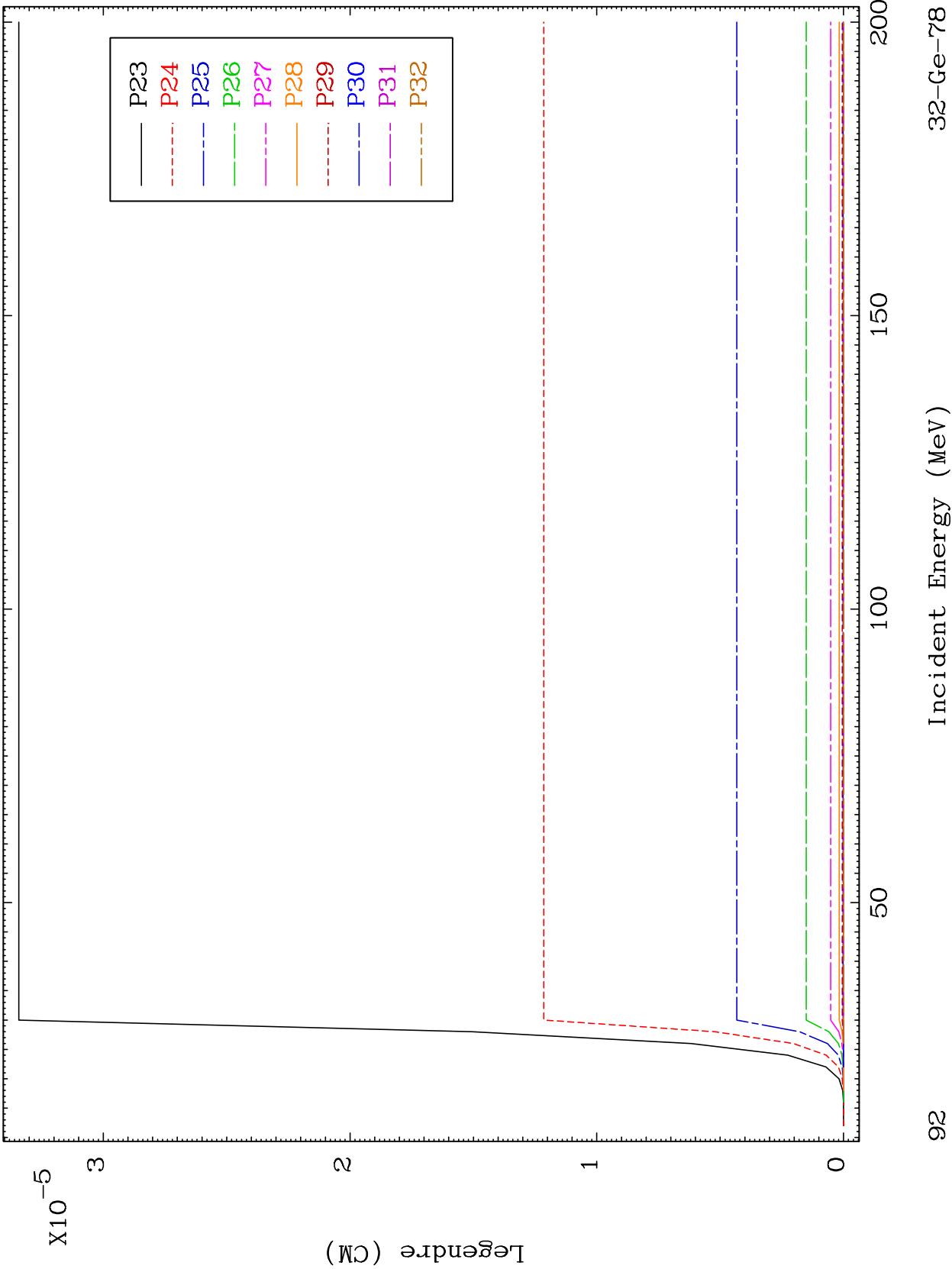
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



92

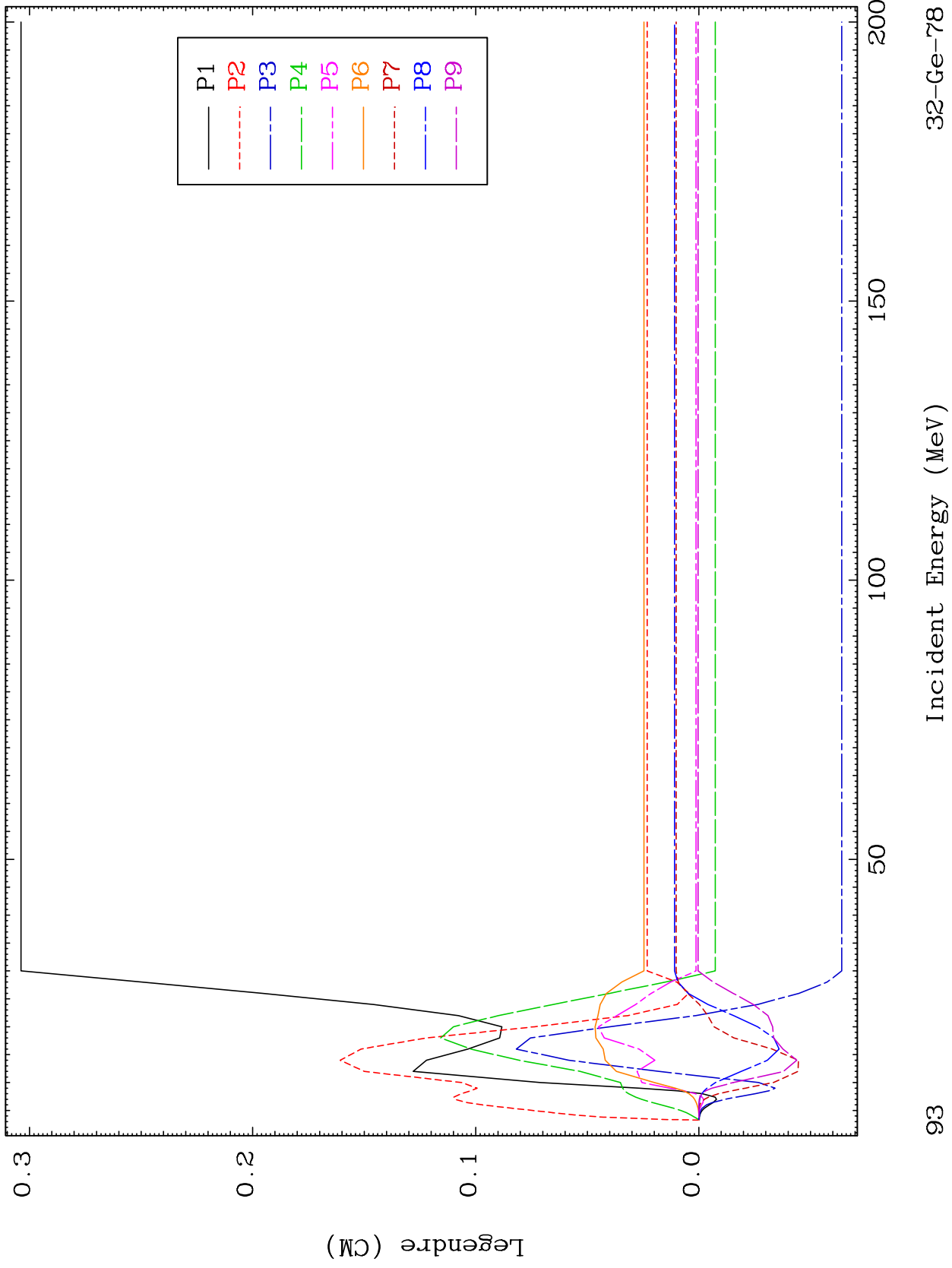
Incident Energy (MeV)

32-Ge-78

MAT 3249

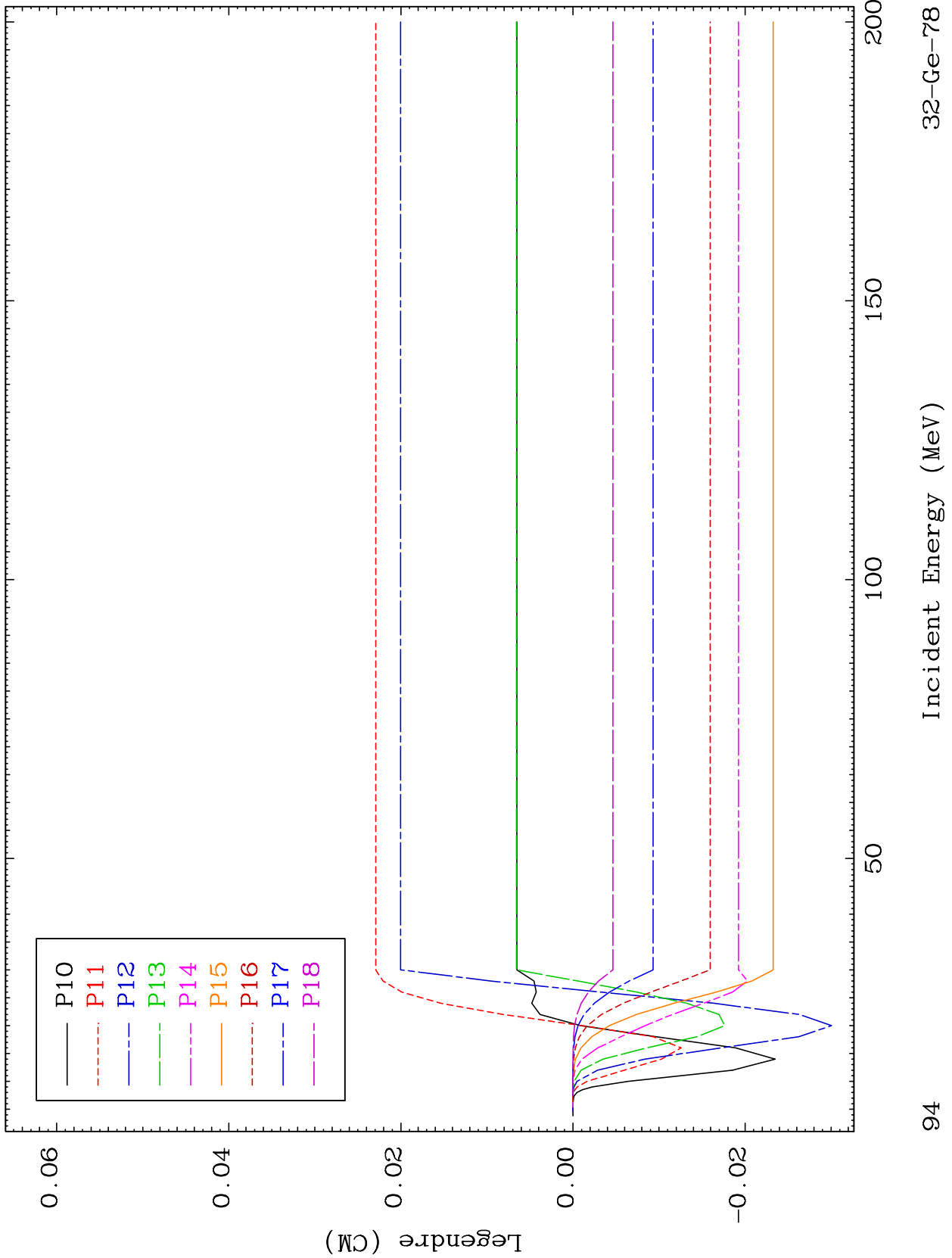
MT= 72 (n,n') Level
Legendre Coefficients

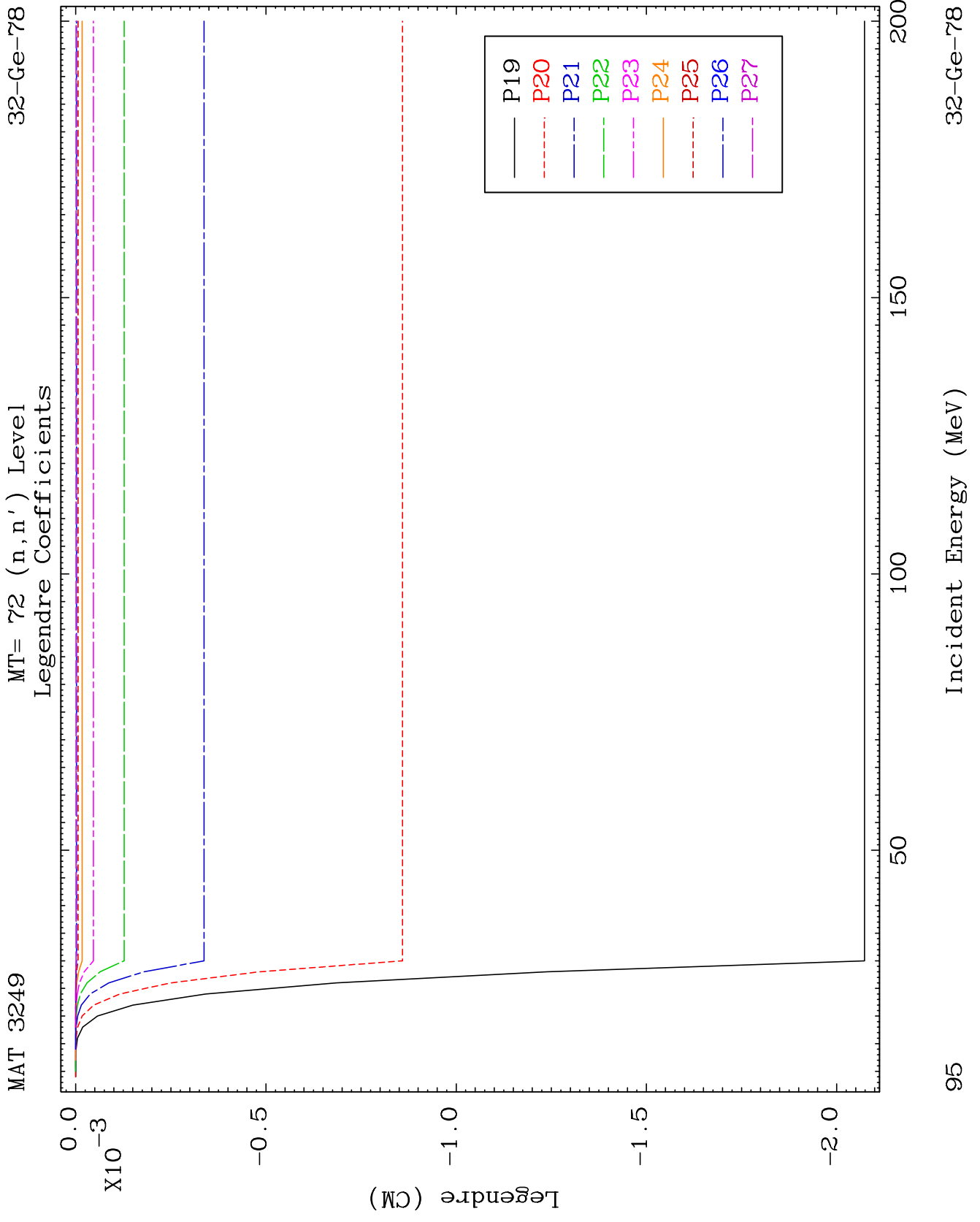
32-Ge-78

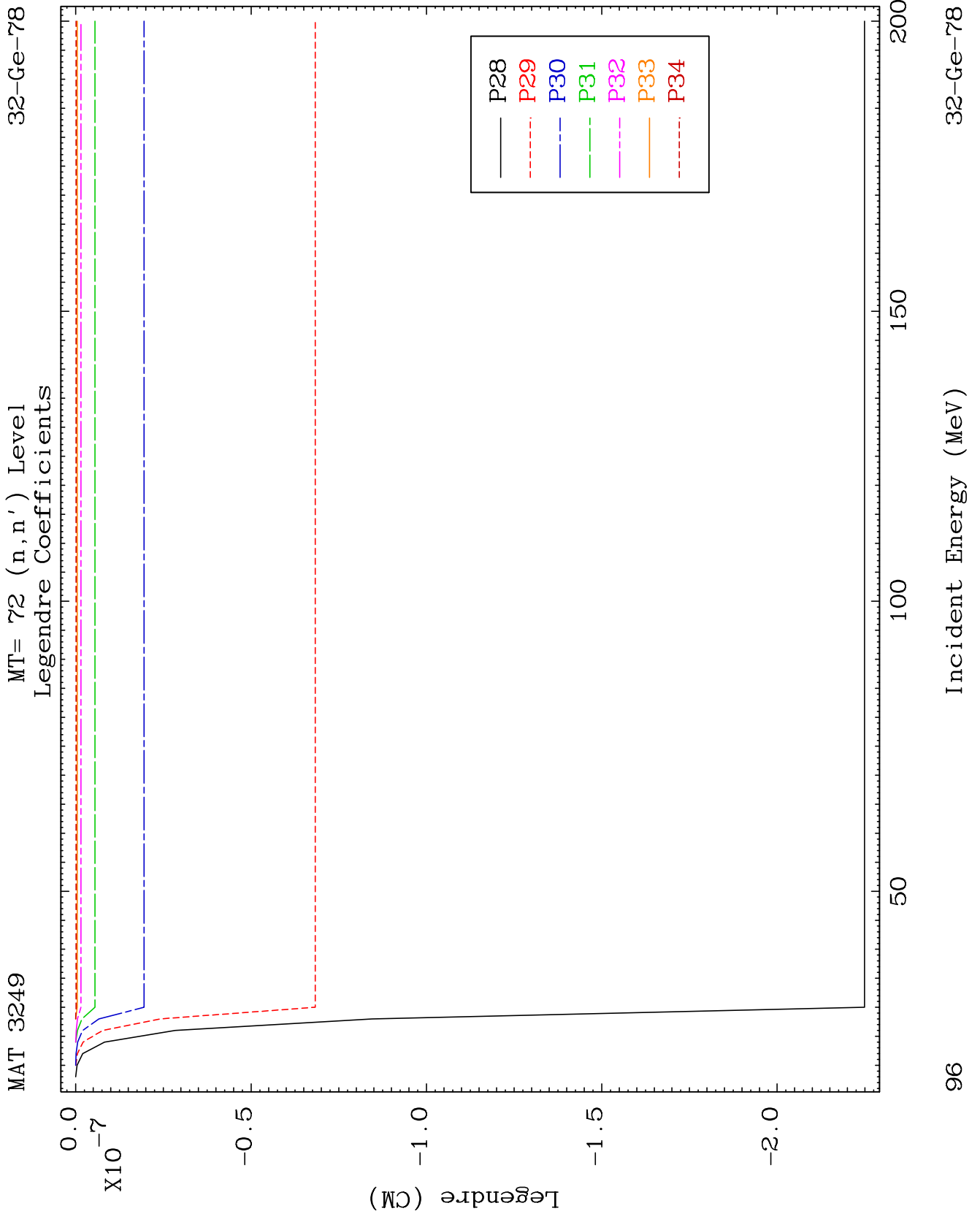


93

32-Ge-78



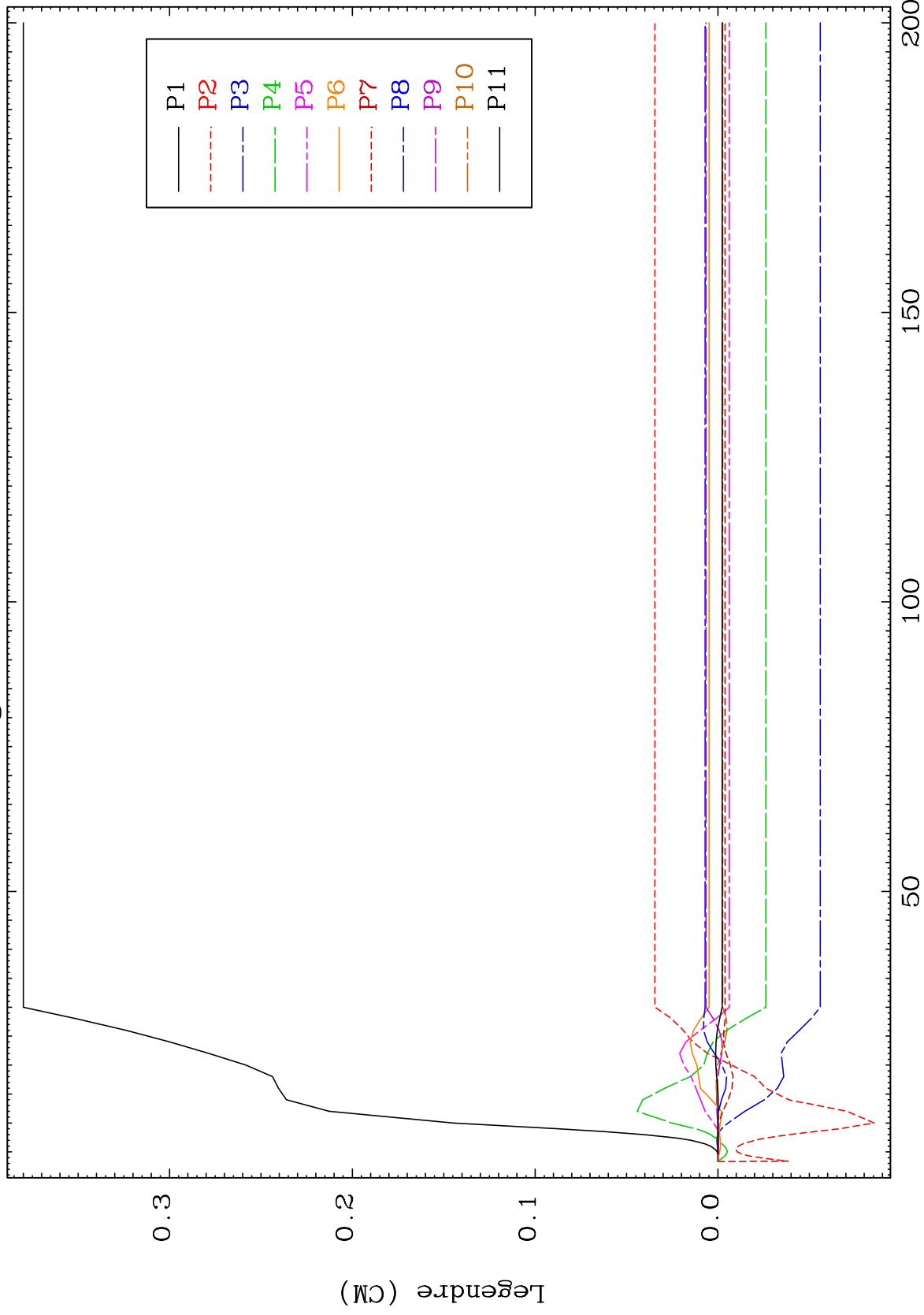




MAT 3249

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

32-Ge-78



97

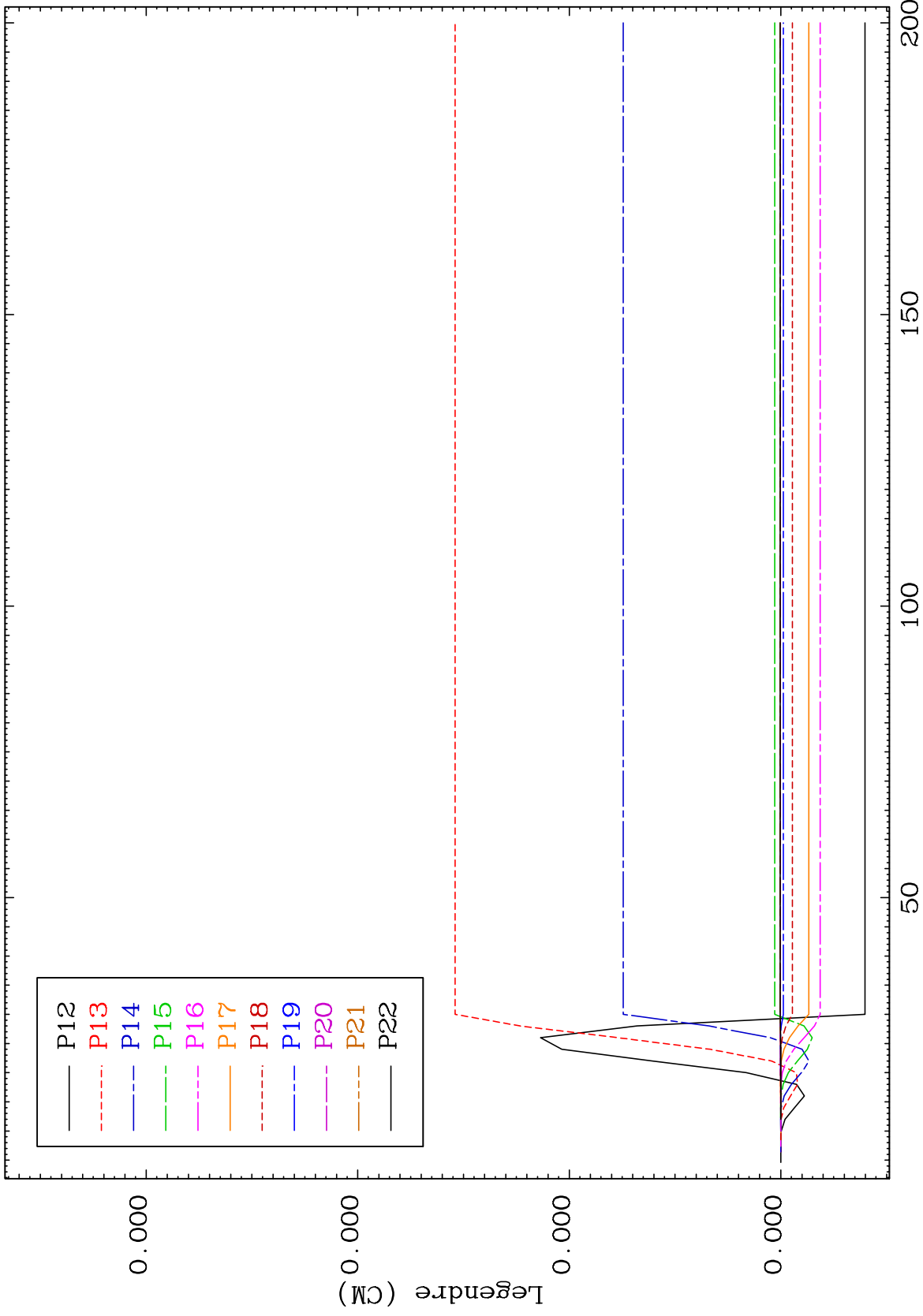
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

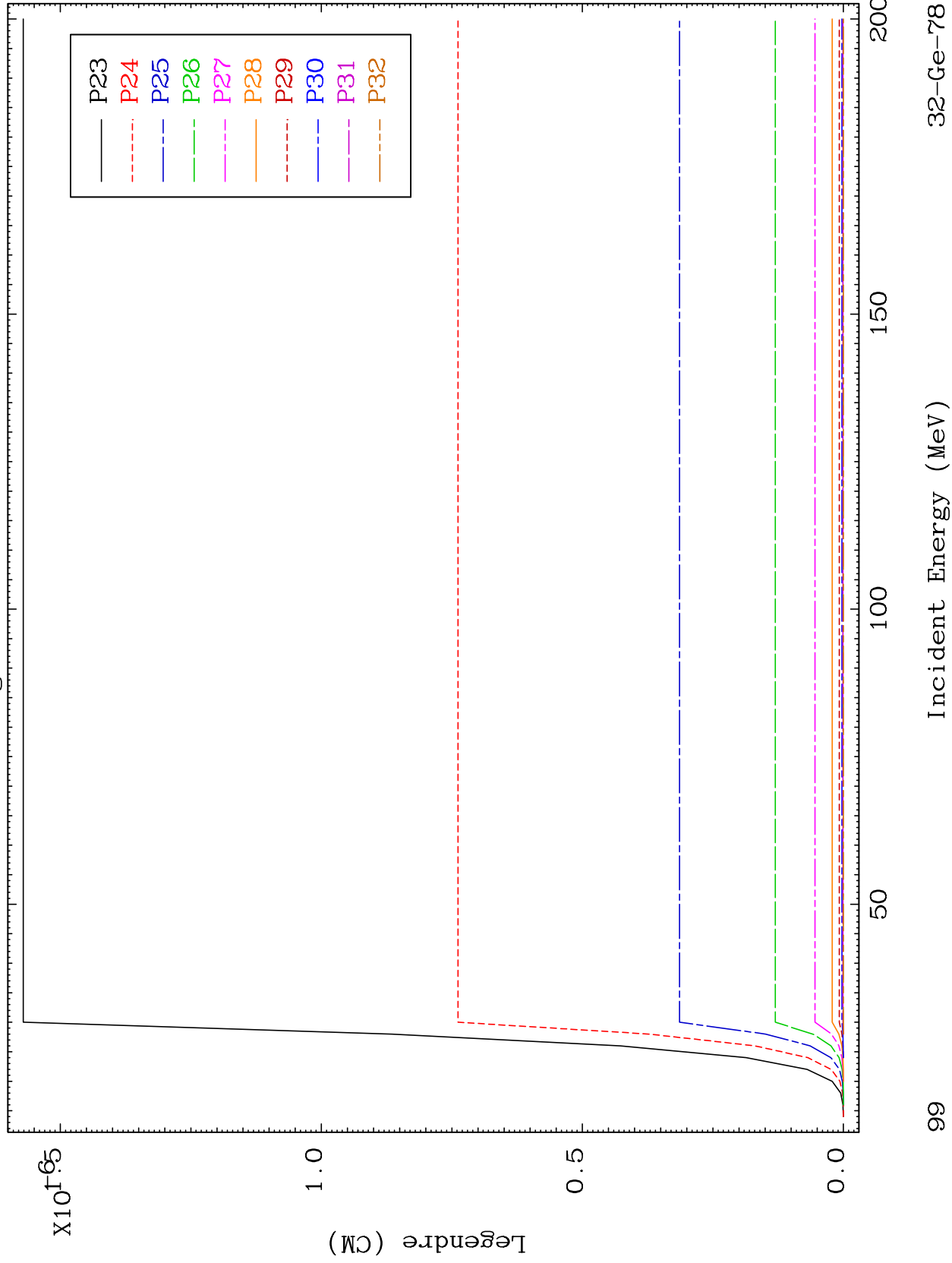
32-Ge-78



MAT 3249

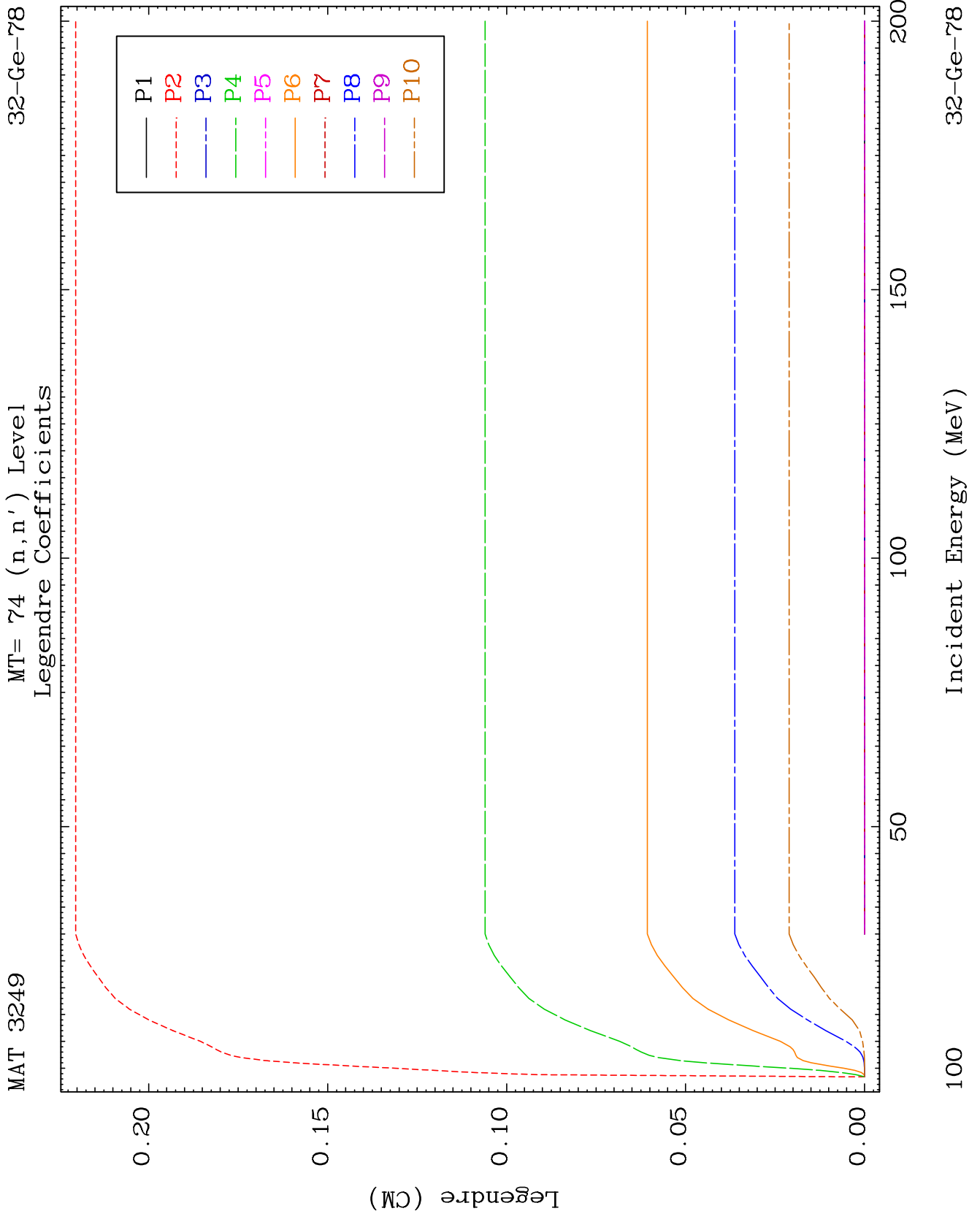
MT= 73 (n,n') Level
Legendre Coefficients

32-Ge-78



99

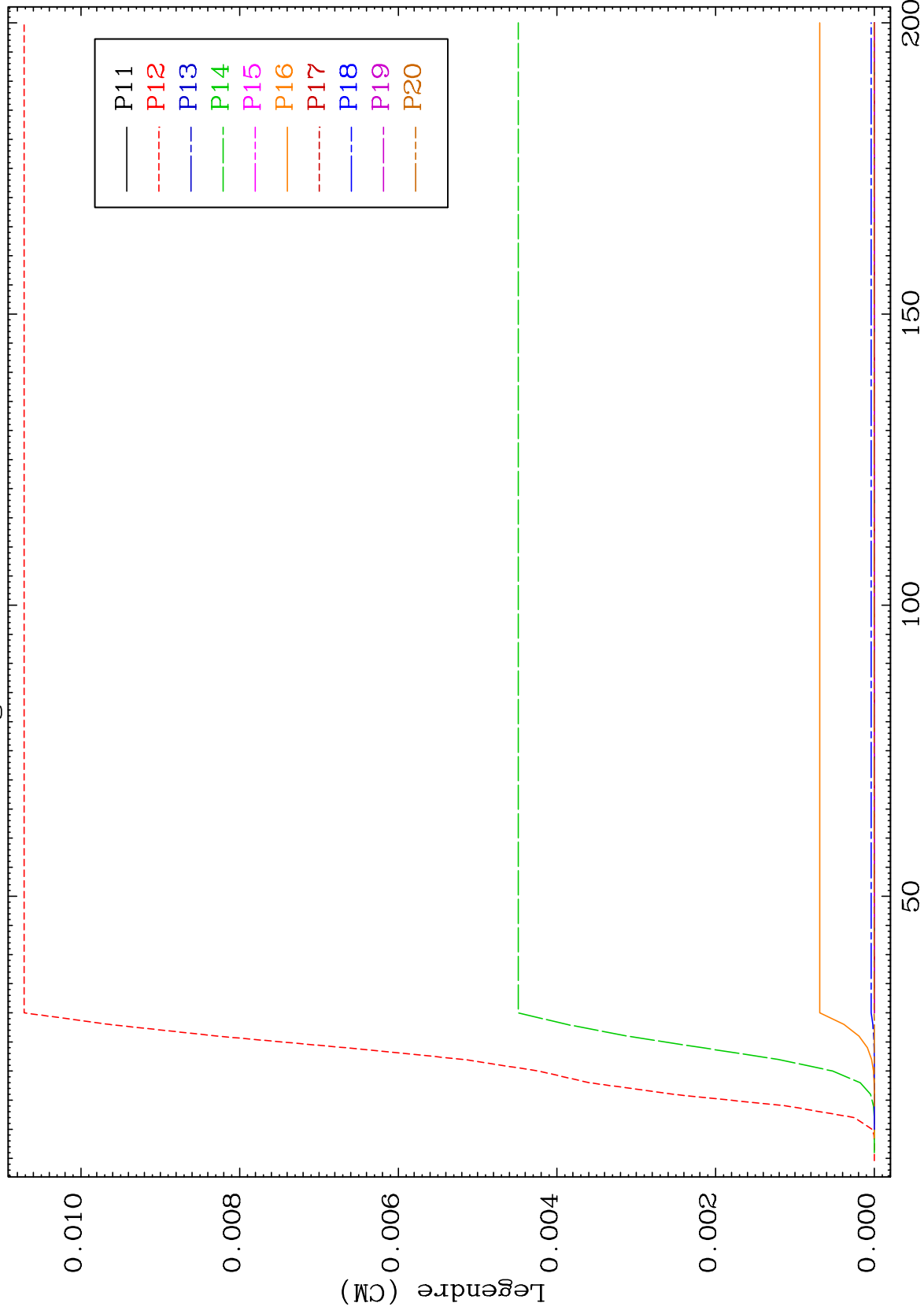
32-Ge-78



MAT 3249

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

32-Ge-78



101

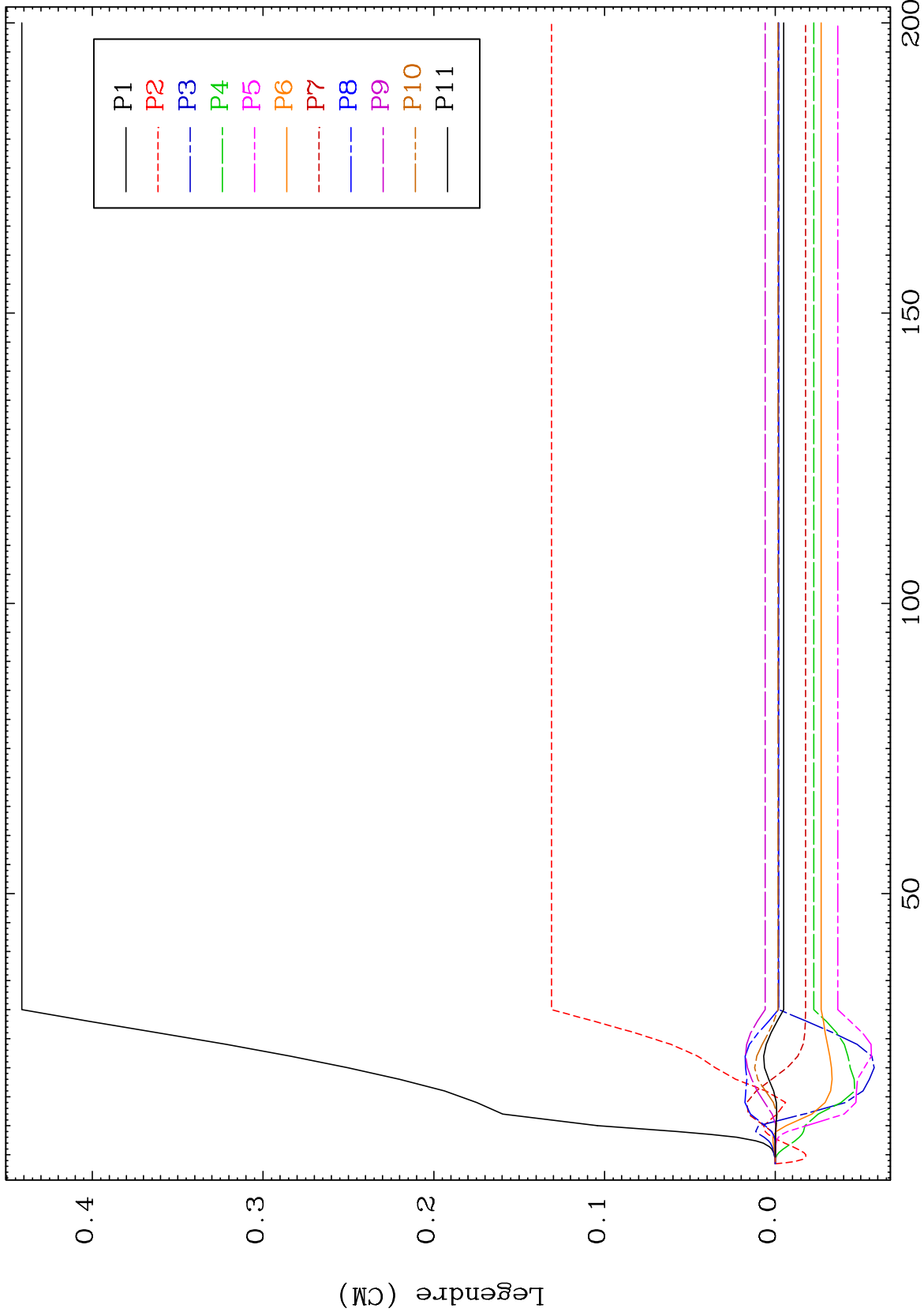
Incident Energy (MeV)

32-Ge-78

MAT 3249

MT= 75 (n,n') Level
Legendre Coefficients

32-Ge-78



103

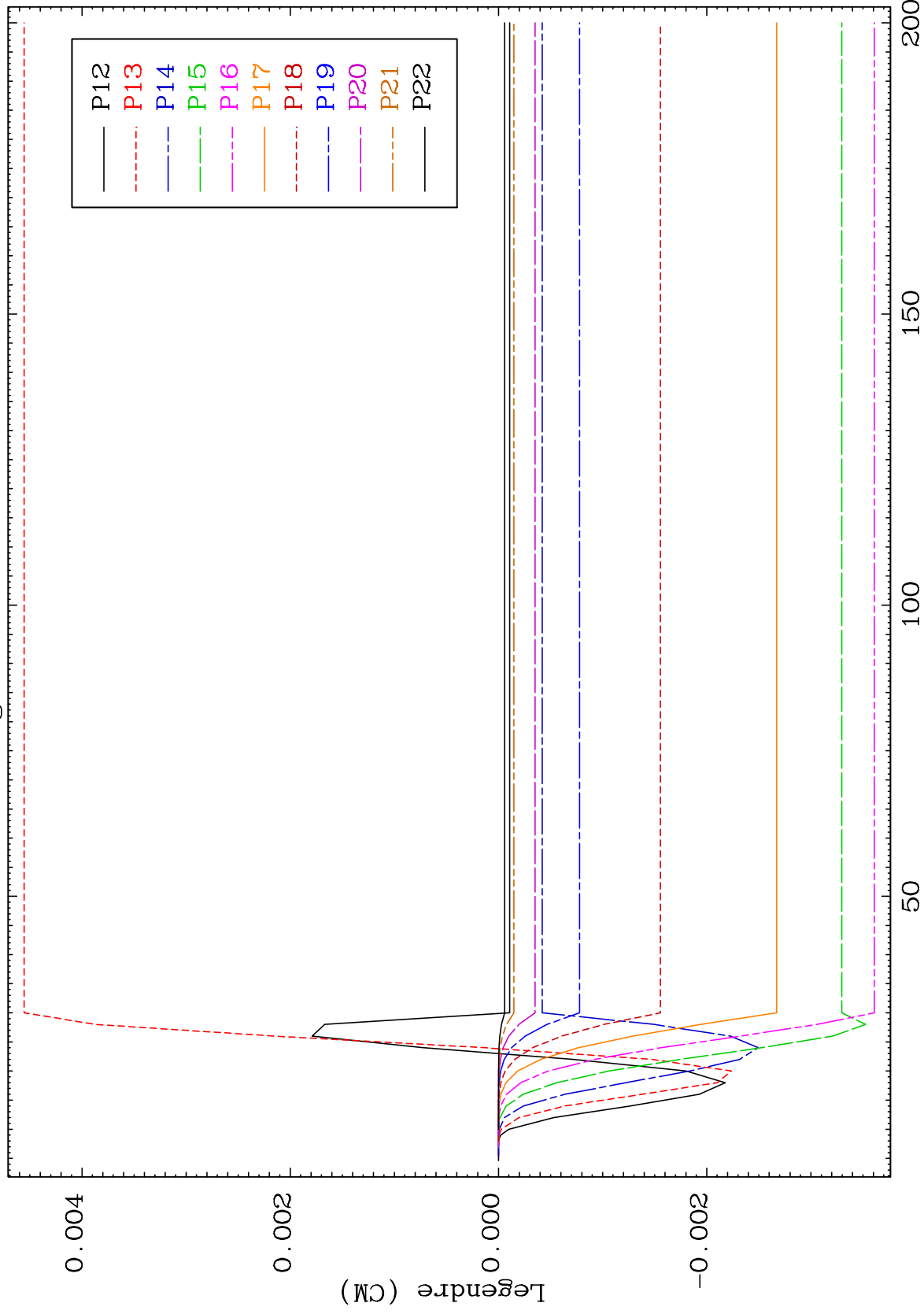
Incident Energy (MeV)

32-Ge-78

MAT 3249

MT= 75 (n,n') Level
Legendre Coefficients

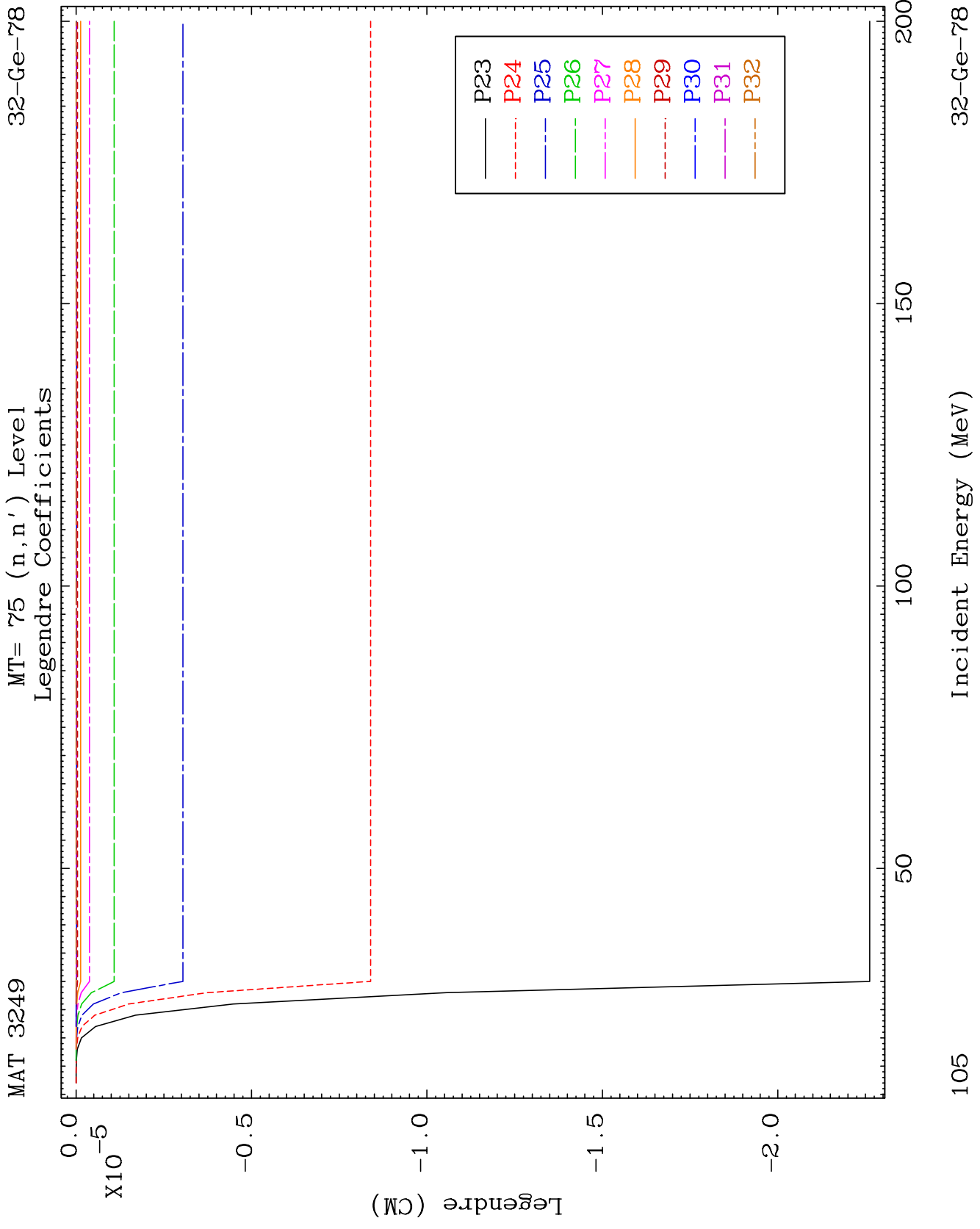
32-Ge-78



104

Incident Energy (MeV)

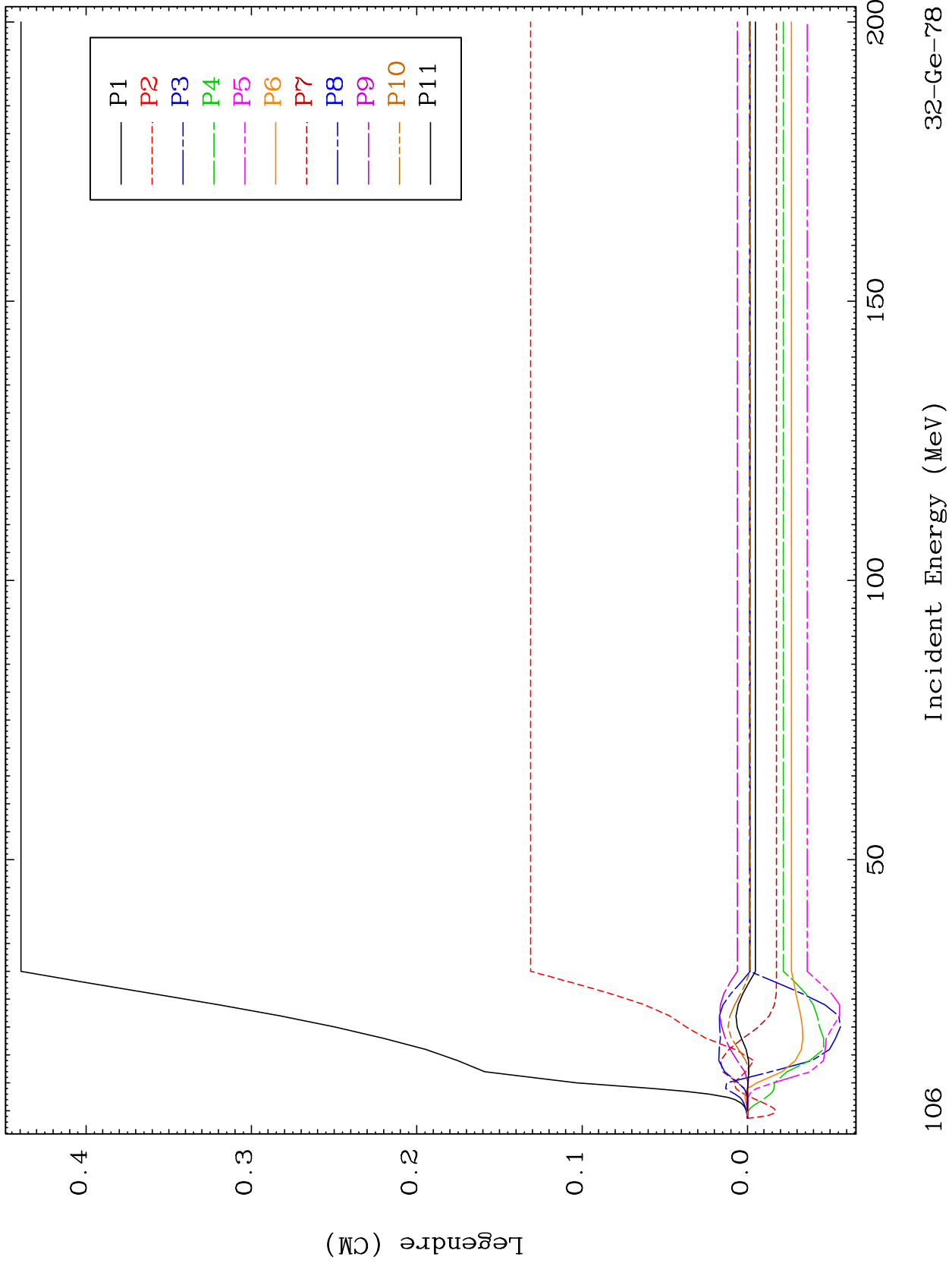
32-Ge-78



MAT 3249

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

32-Ge-78



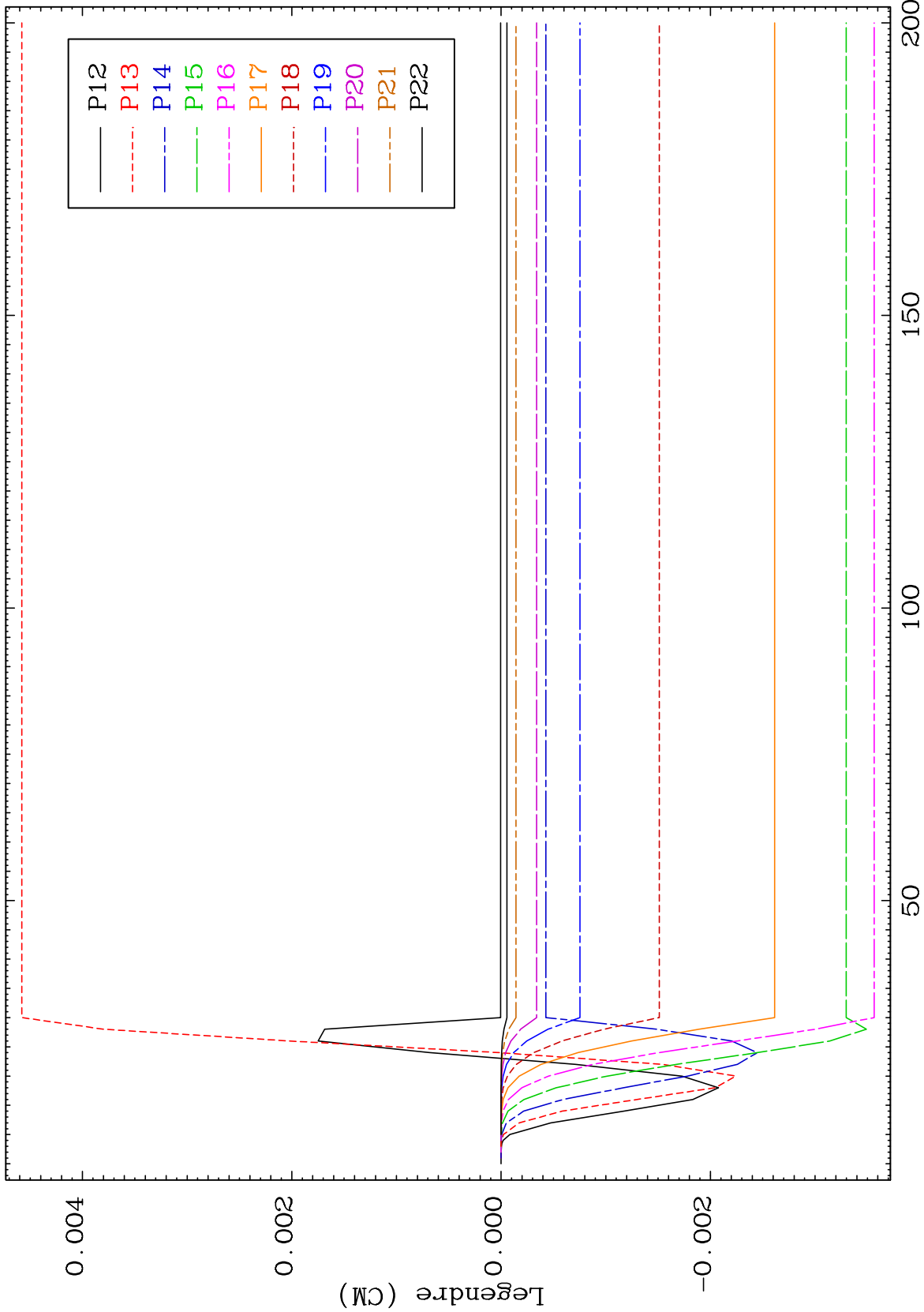
106

32-Ge-78

MAT 3249

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

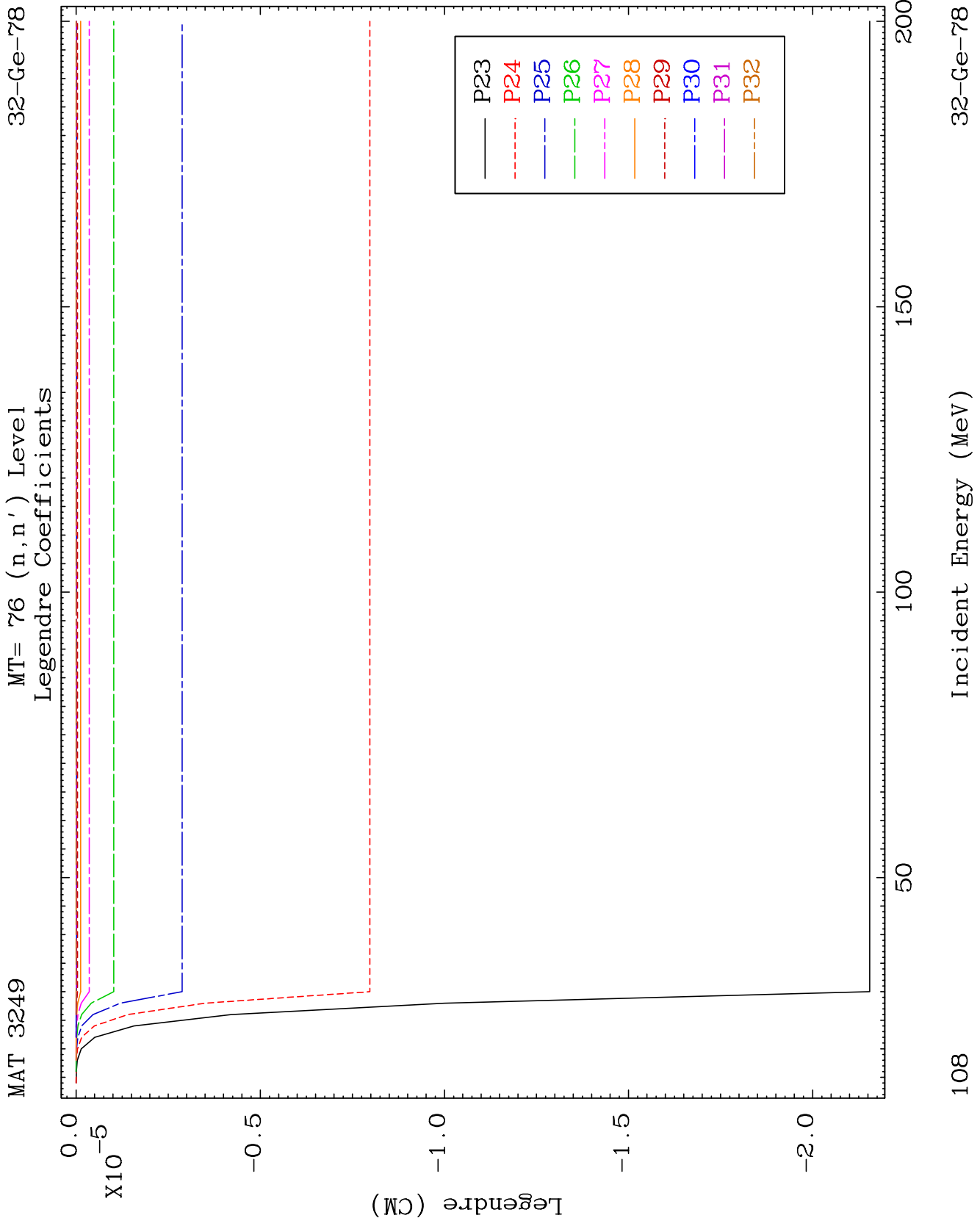
32-Ge-78



107

Incident Energy (MeV)

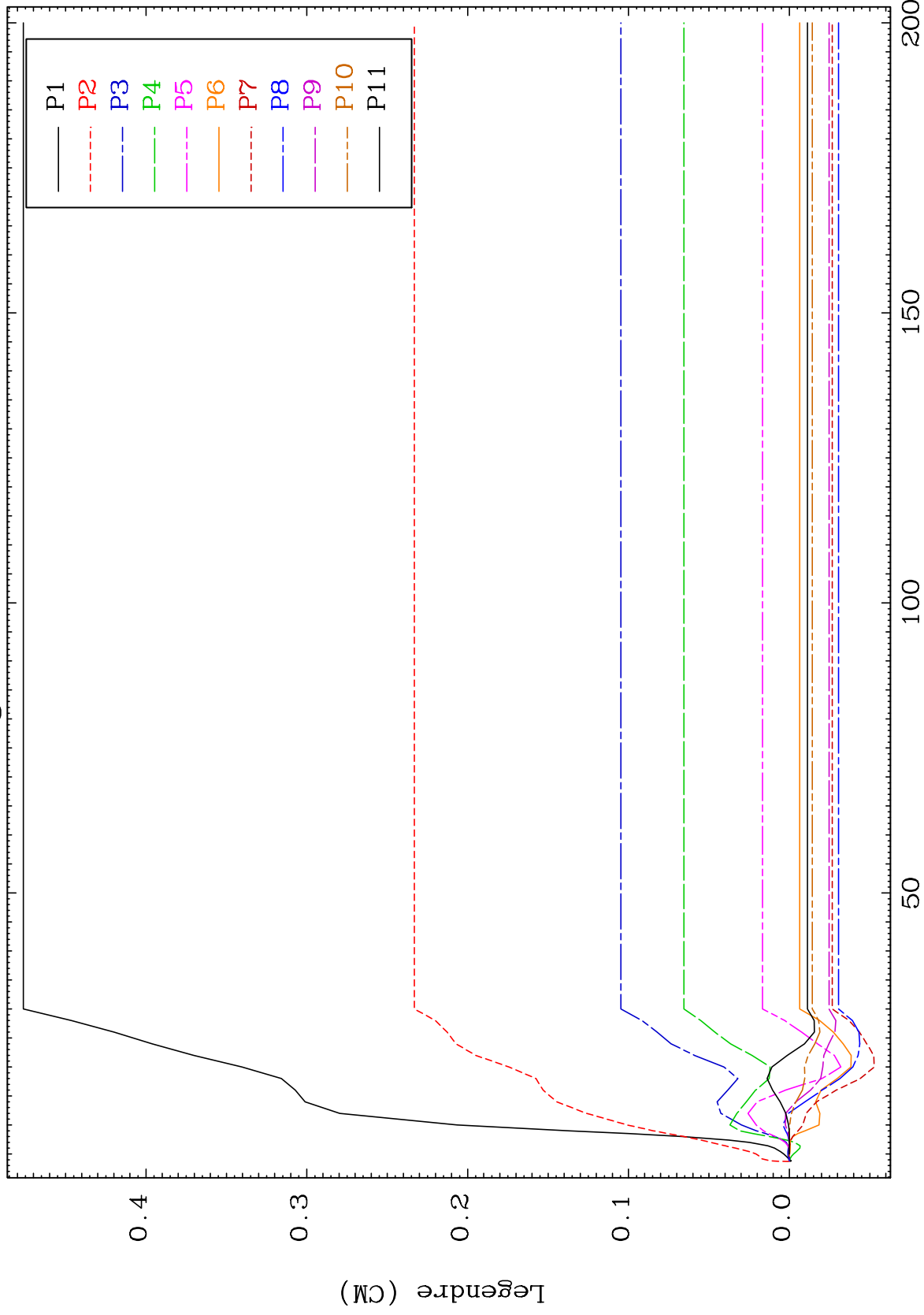
32-Ge-78



MAT 3249

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

32-Ge-78



109

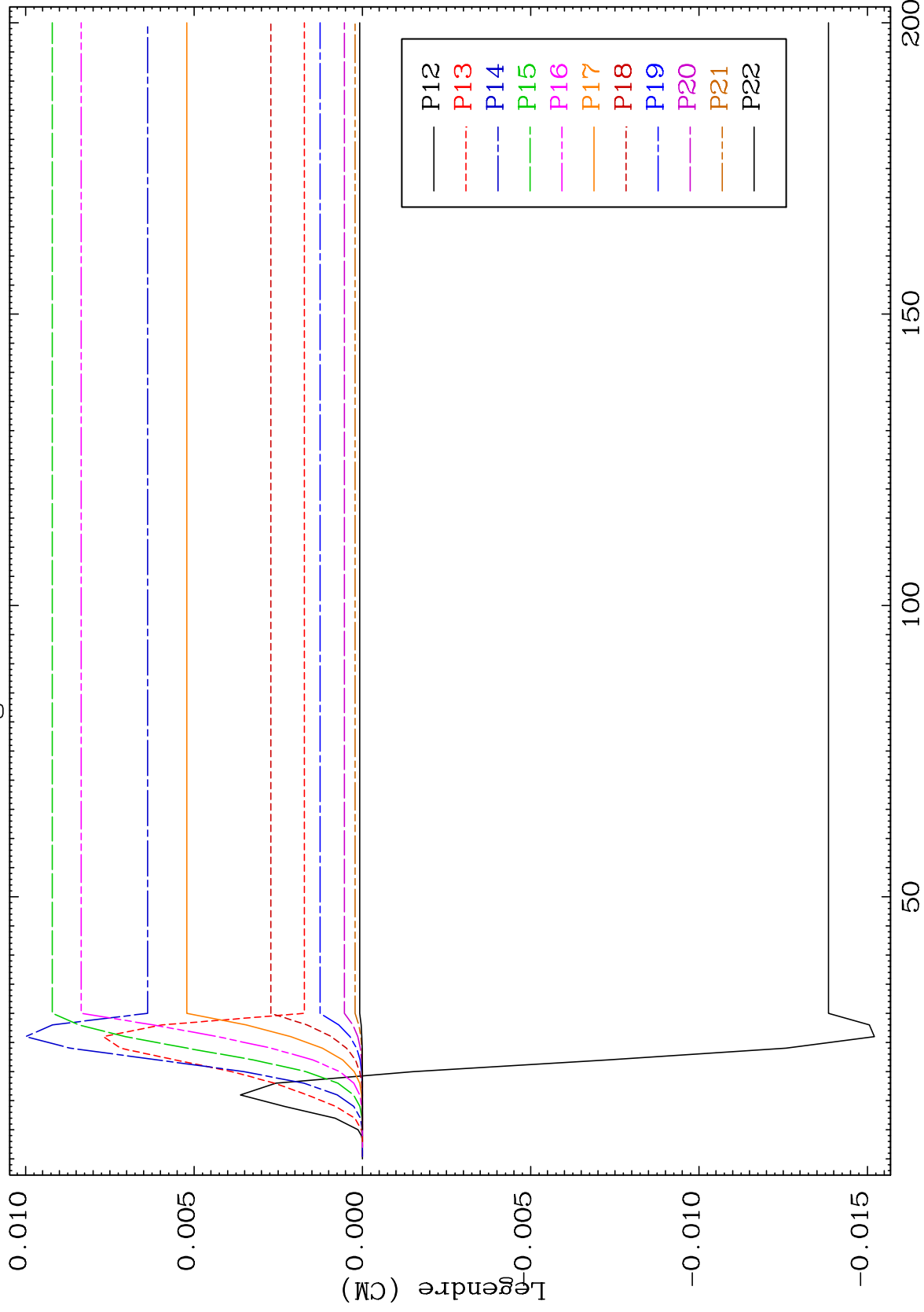
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



110

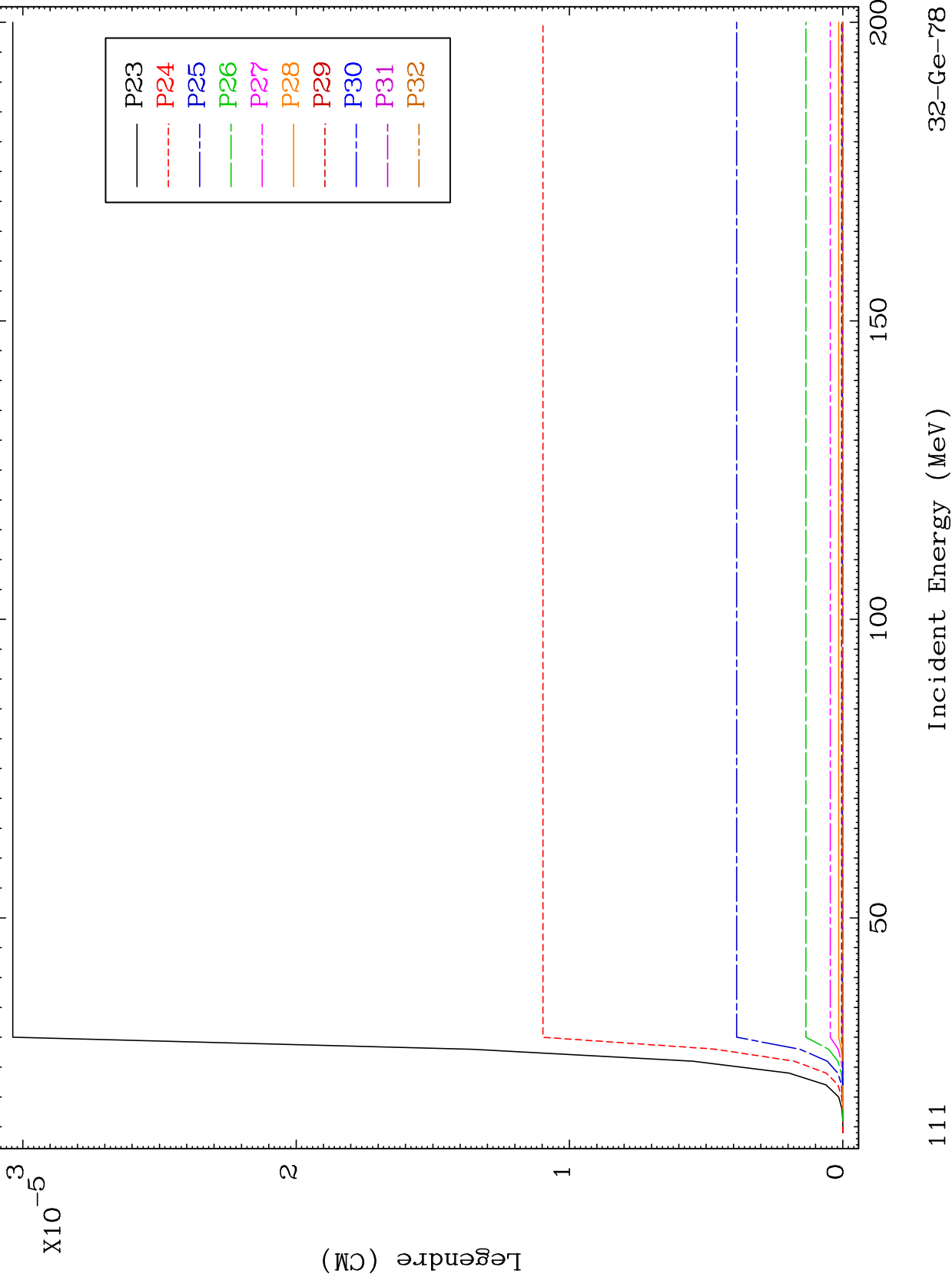
Incident Energy (MeV)

32-Ge-78

MAT 3249

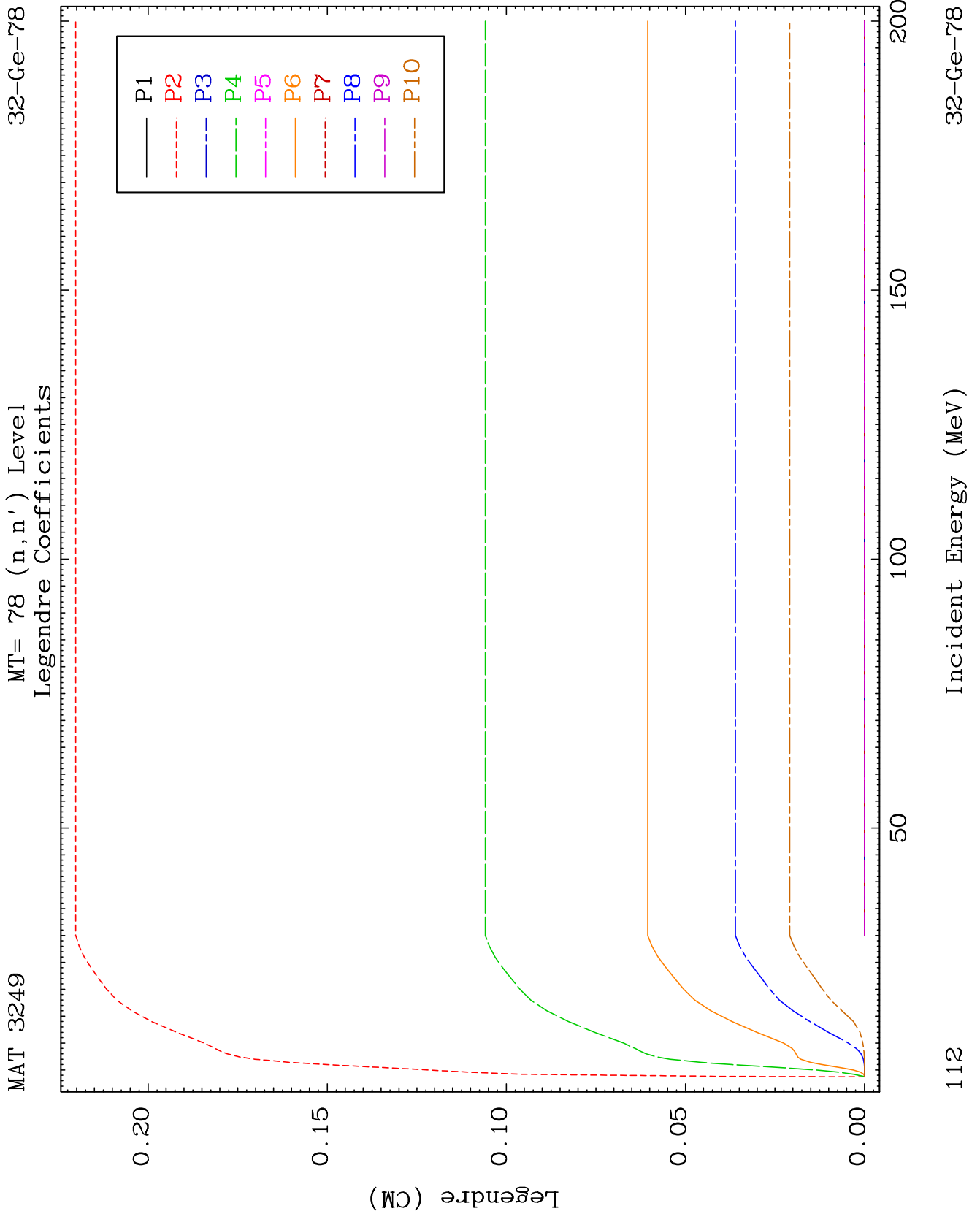
MT= 77 (n,n') Level
Legendre Coefficients

32-Ge-78



111

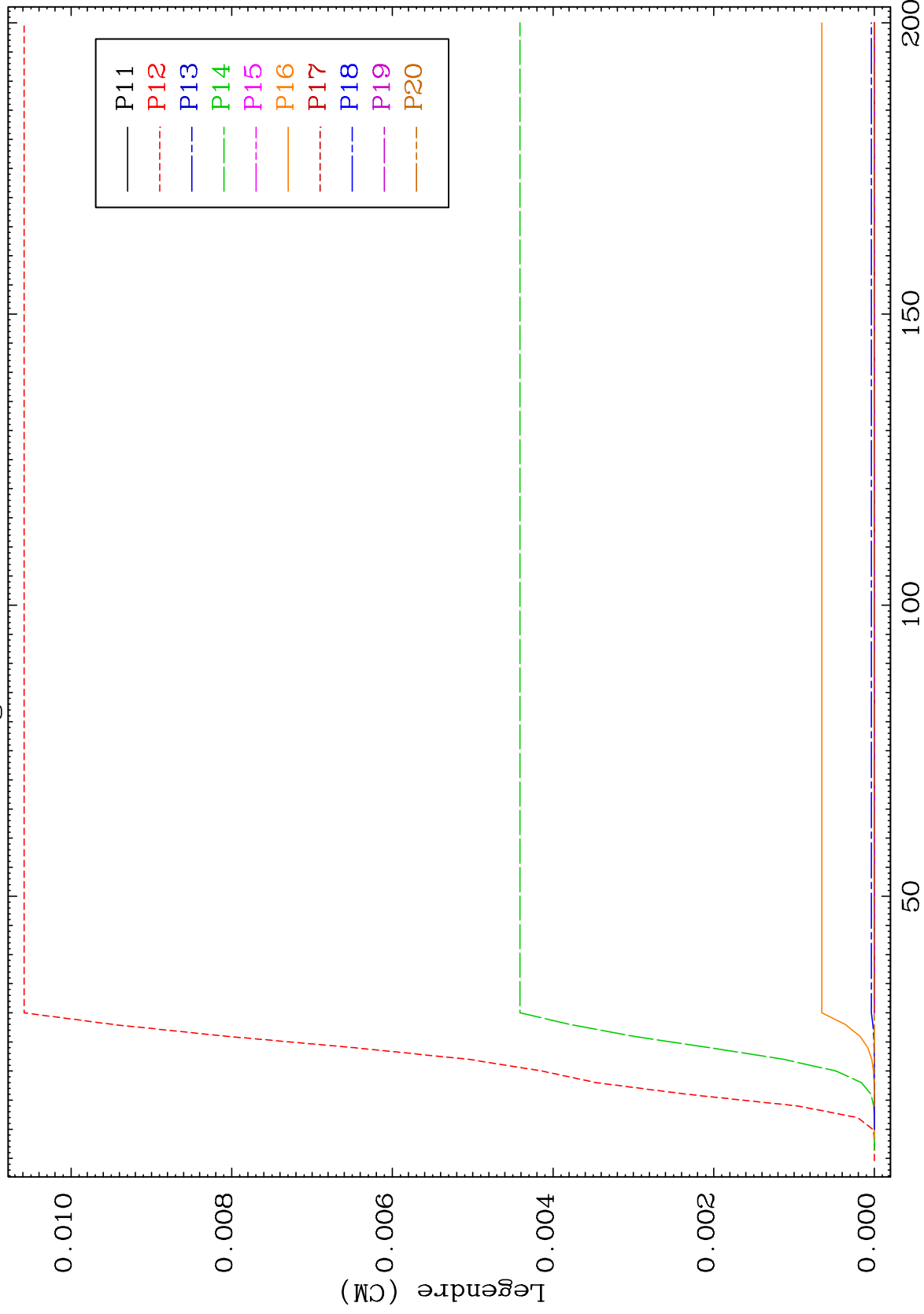
32-Ge-78



MAT 3249

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

32-Ge-78



113

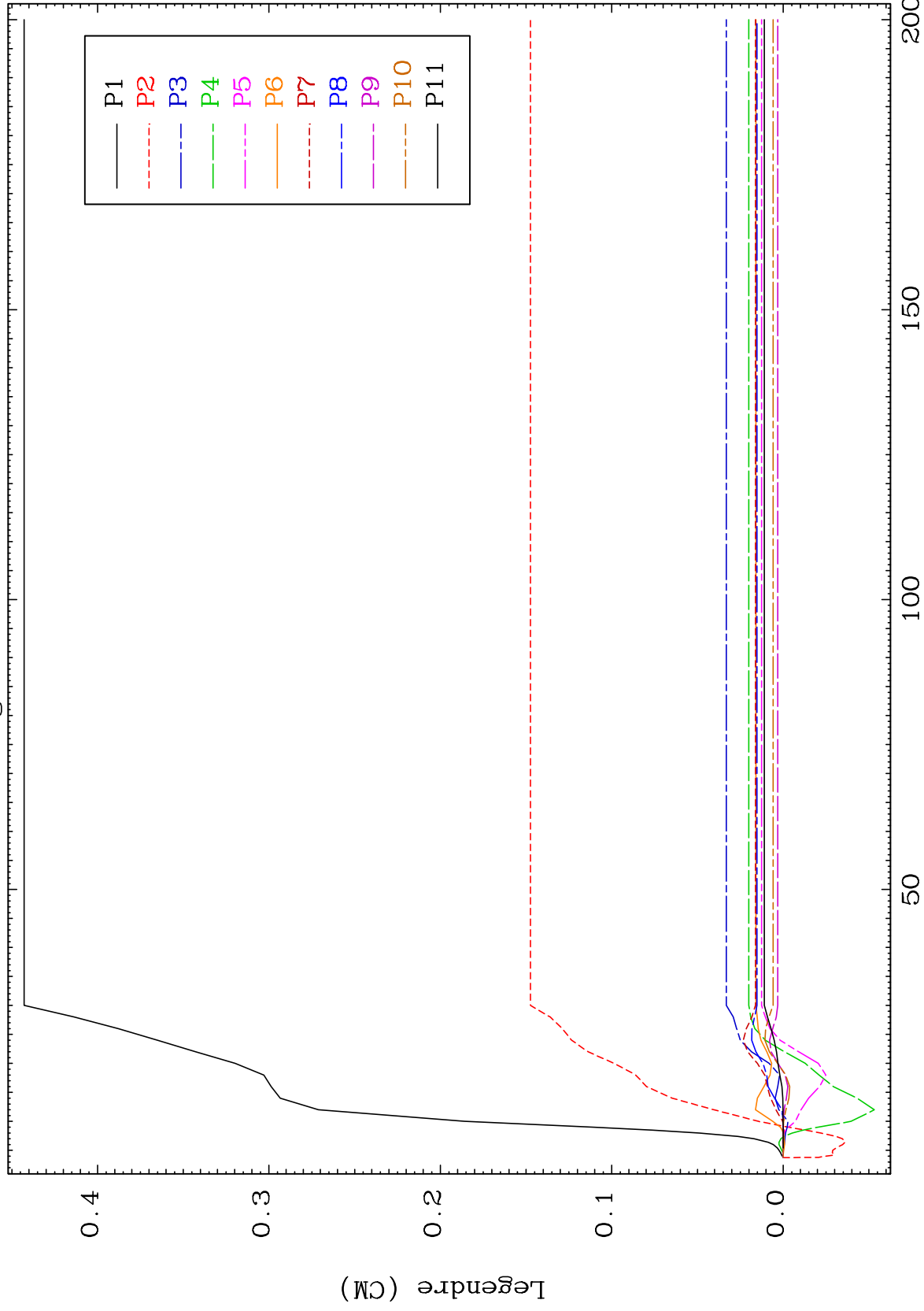
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



115

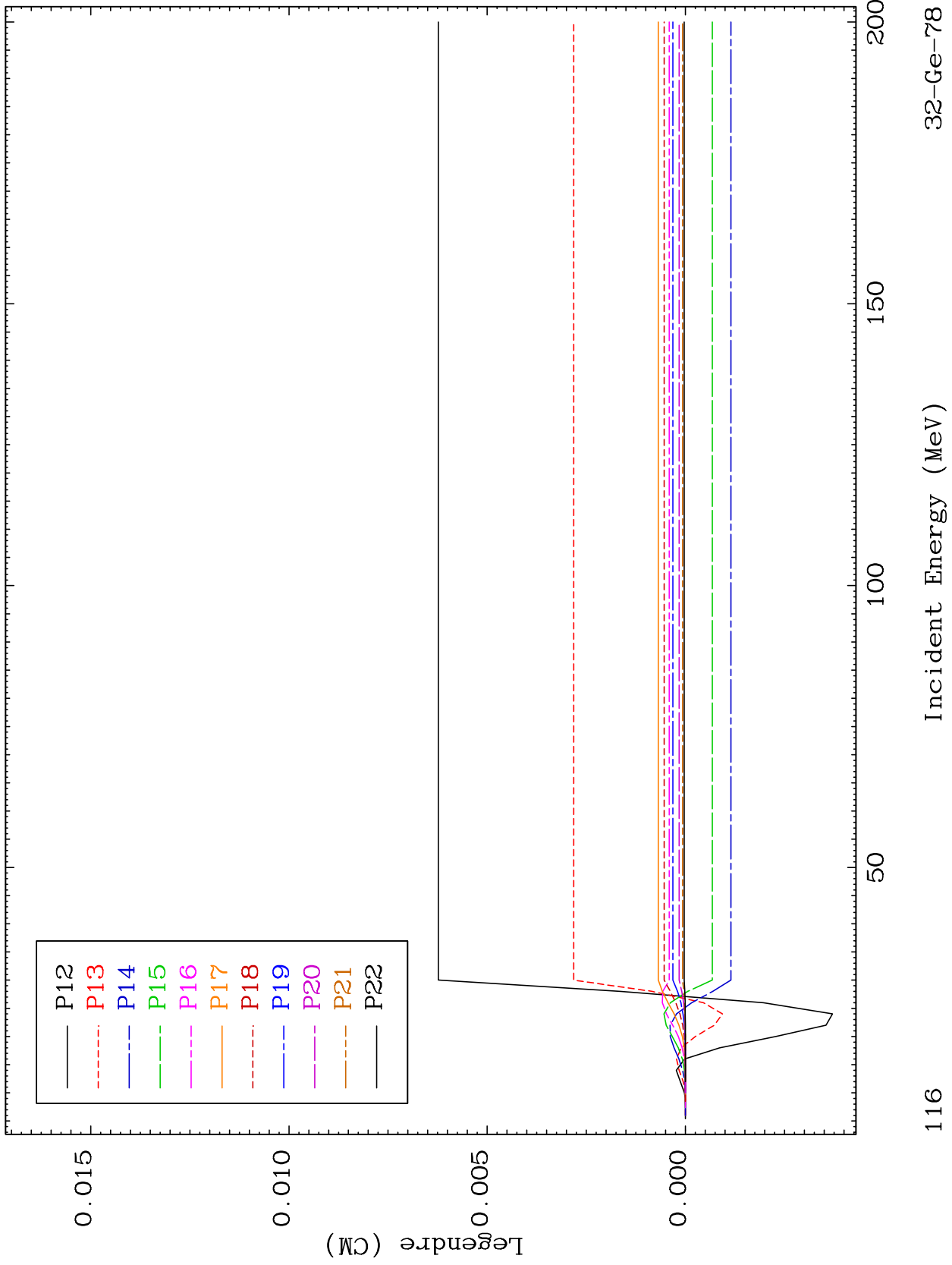
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



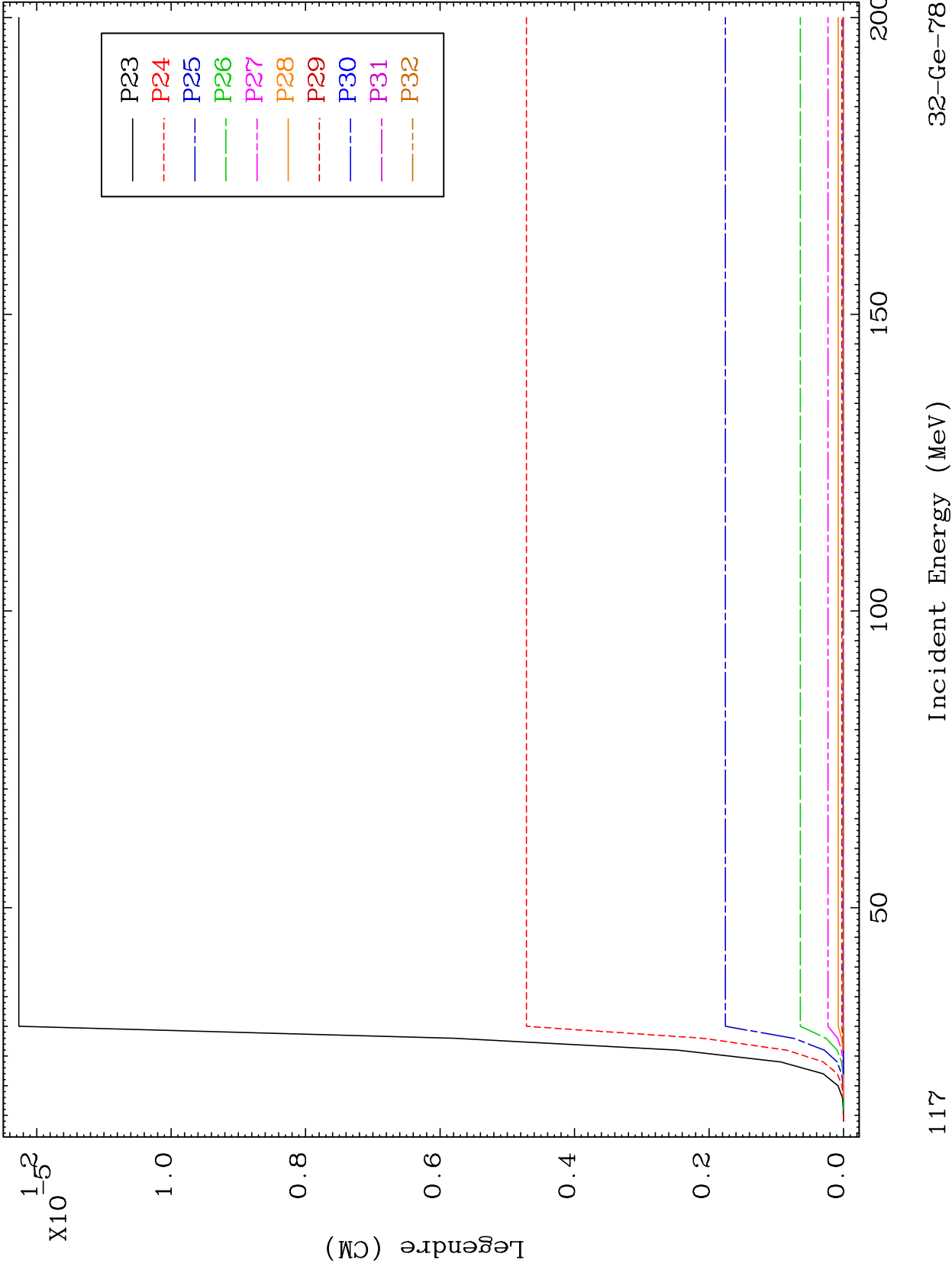
116

32-Ge-78

MAT 3249

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

32-Ge-78



117

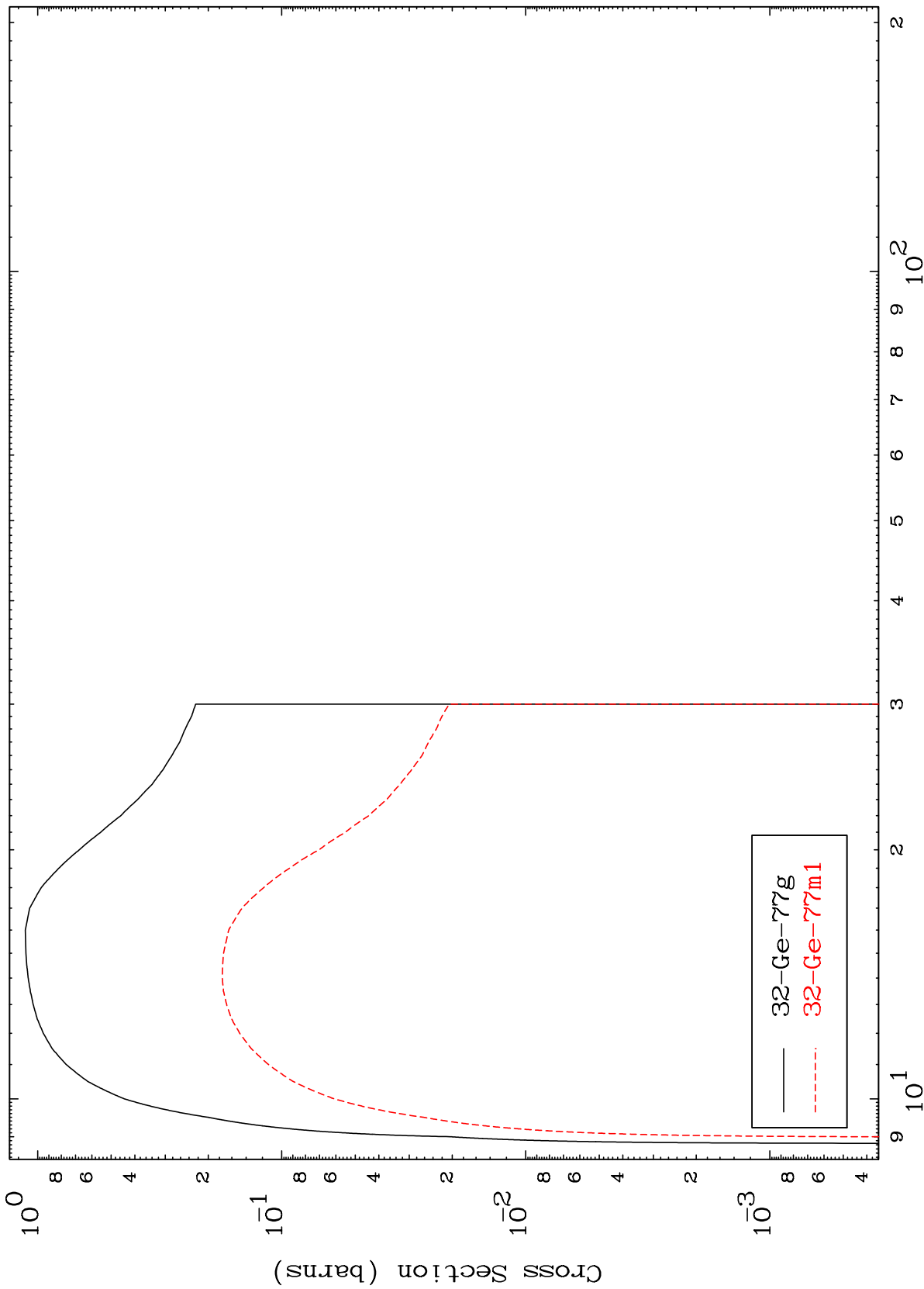
Incident Energy (MeV)

32-Ge-78

MAT 3249

³²Ge-78

(n,2n)
Radionuclide Production Cross Section



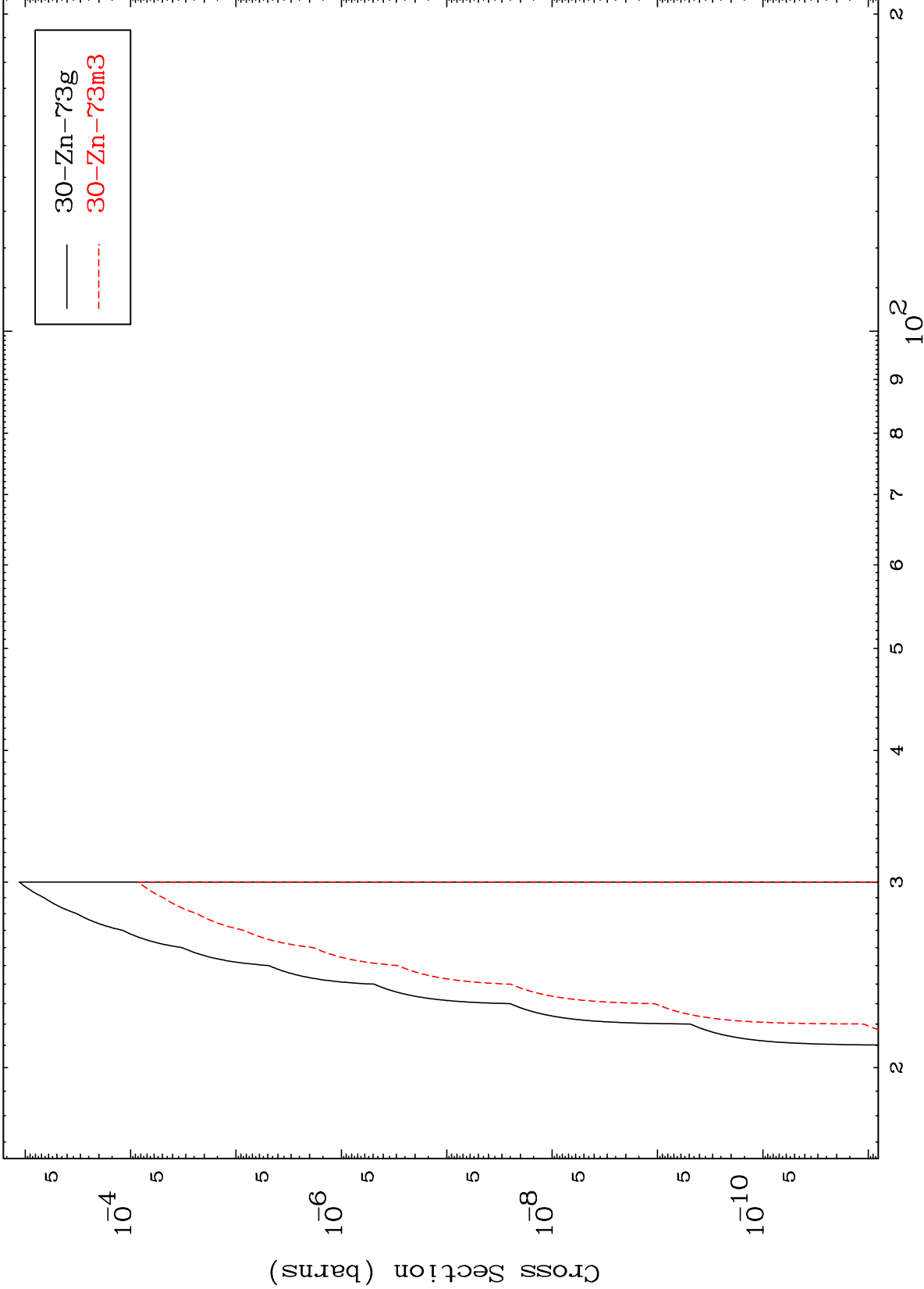
— 32-Ge-77g
- - - 32-Ge-77m1

118

Incident Energy (MeV)

³²Ge-78

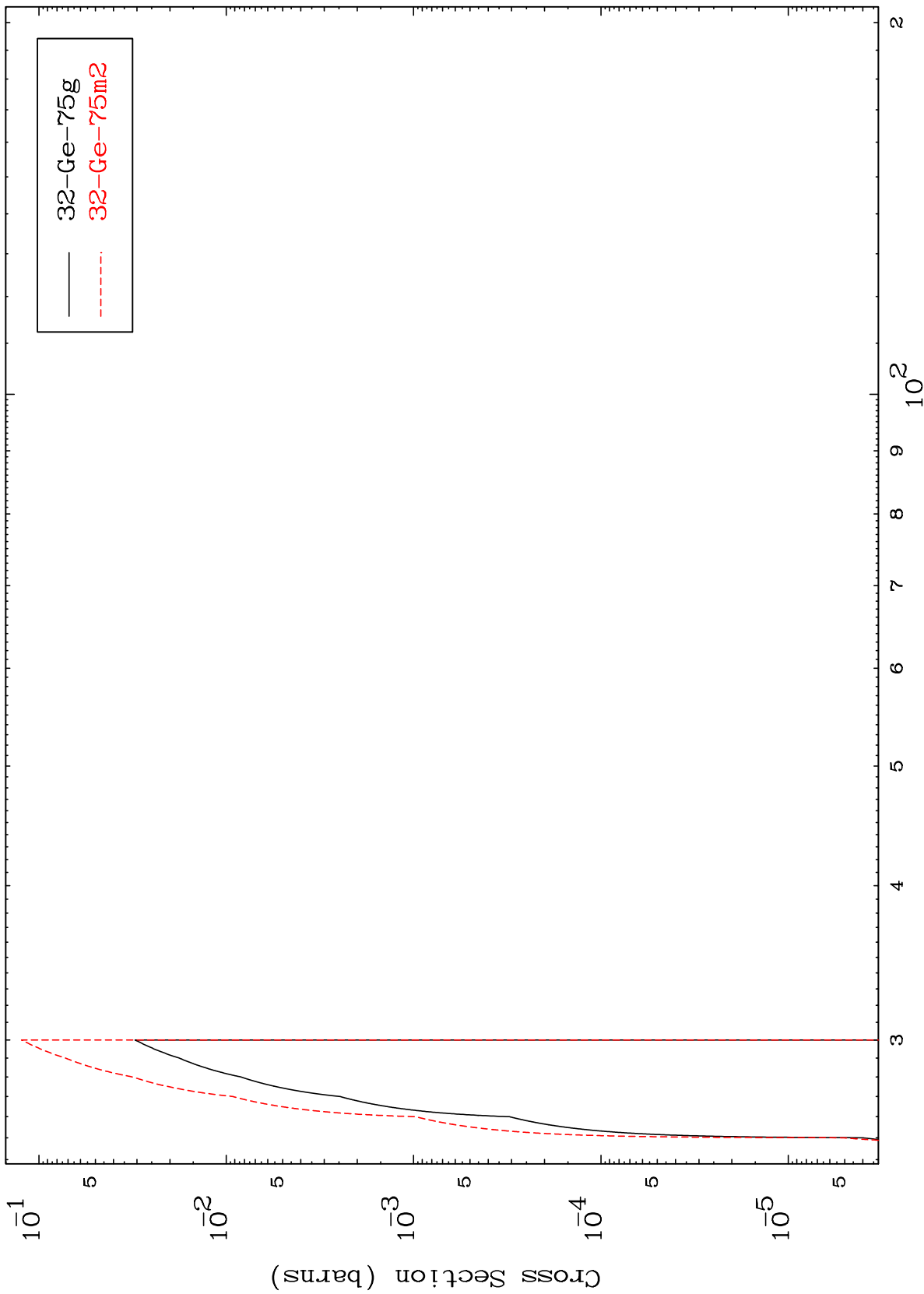
Radionuclide Production Cross Section



MAT 3249

³²Ge-78

(n,4n)
Radionuclide Production Cross Section



³²Ge-78

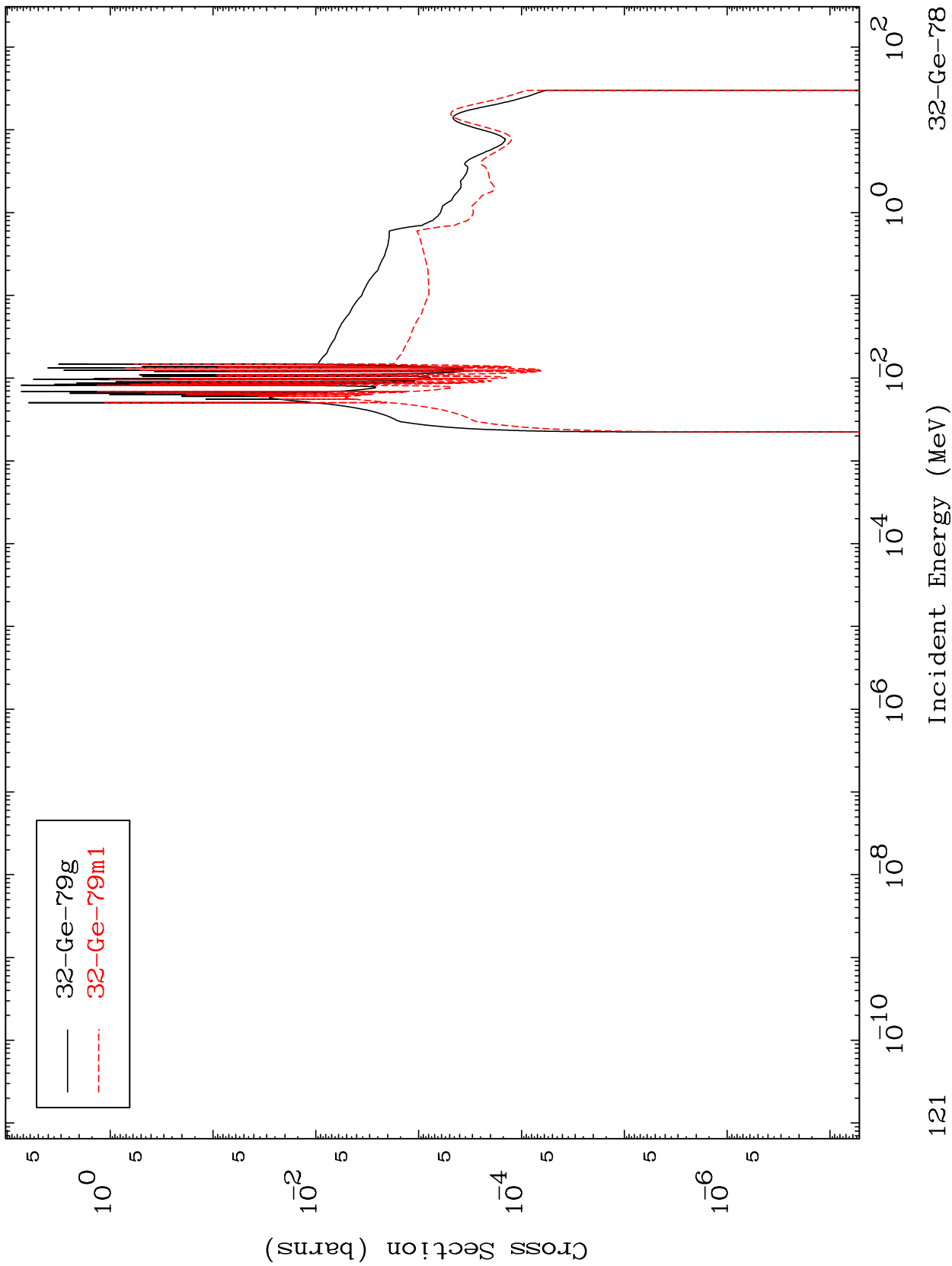
Incident Energy (MeV)

120

MAT 3249

³²Ge-78

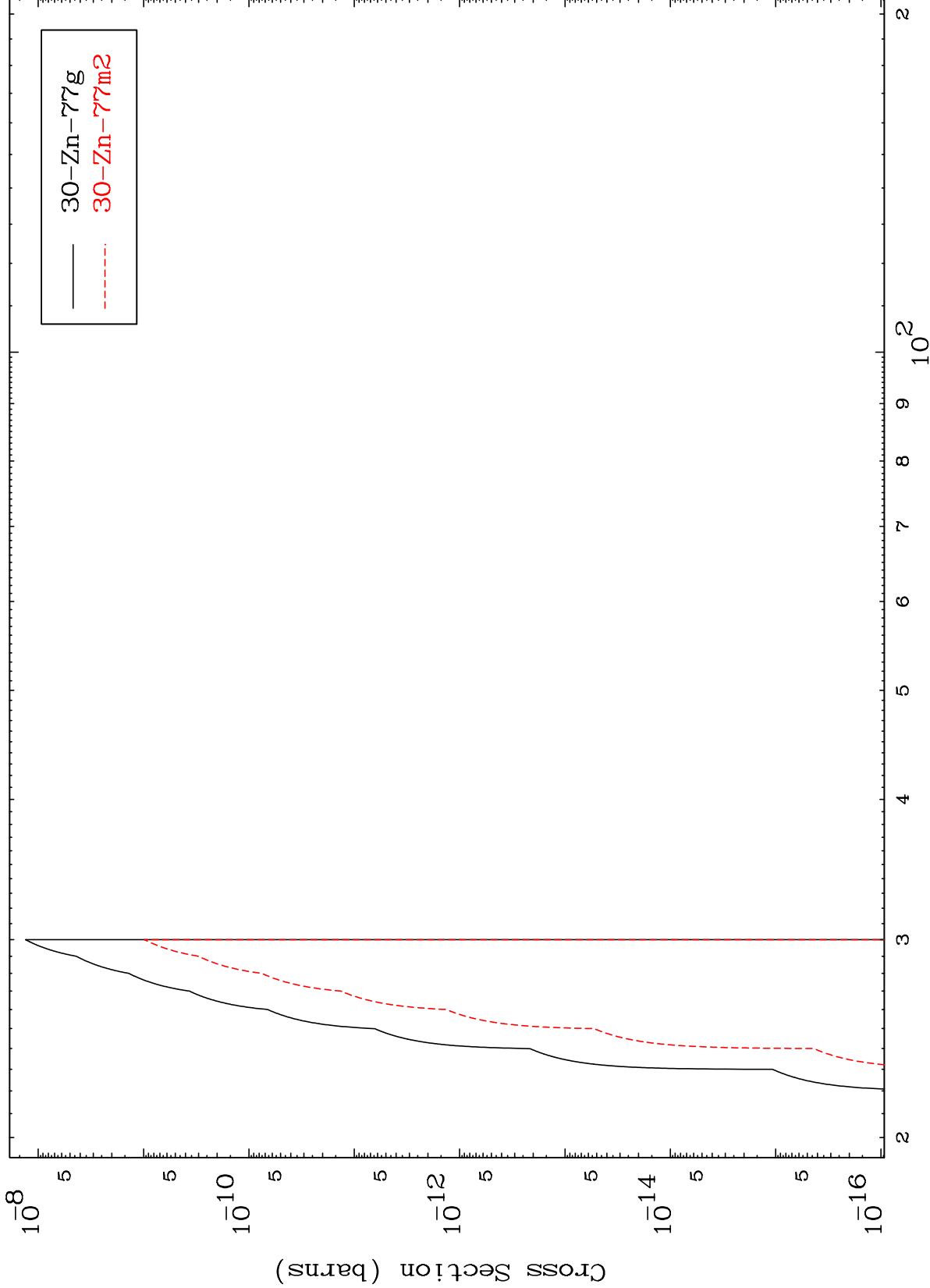
(n,γ)
Radionuclide Production Cross Section



MAT 3249

32-Ge-78

(n,2p)
Radionuclide Production Cross Section



122

Incident Energy (MeV)

32-Ge-78