

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

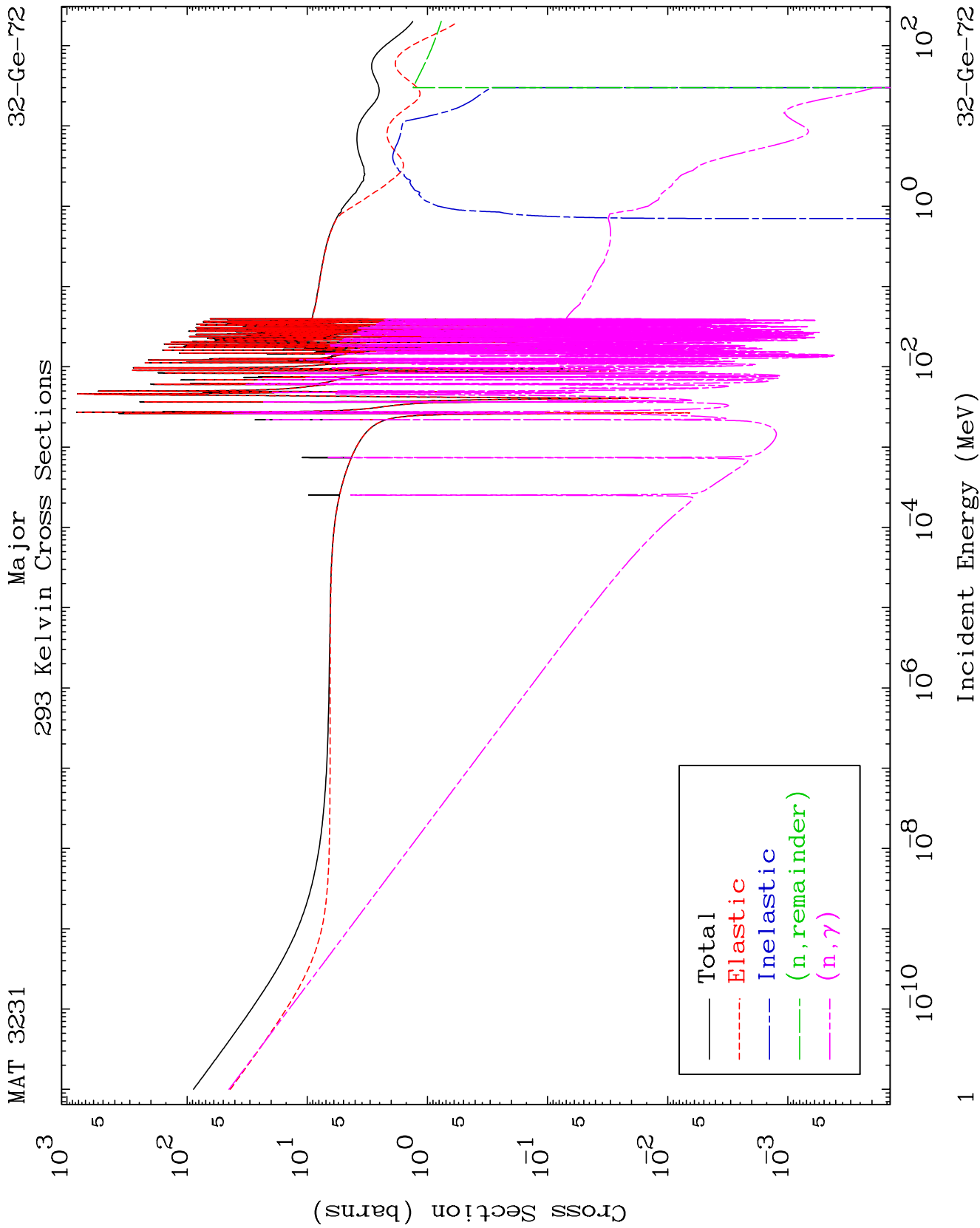
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

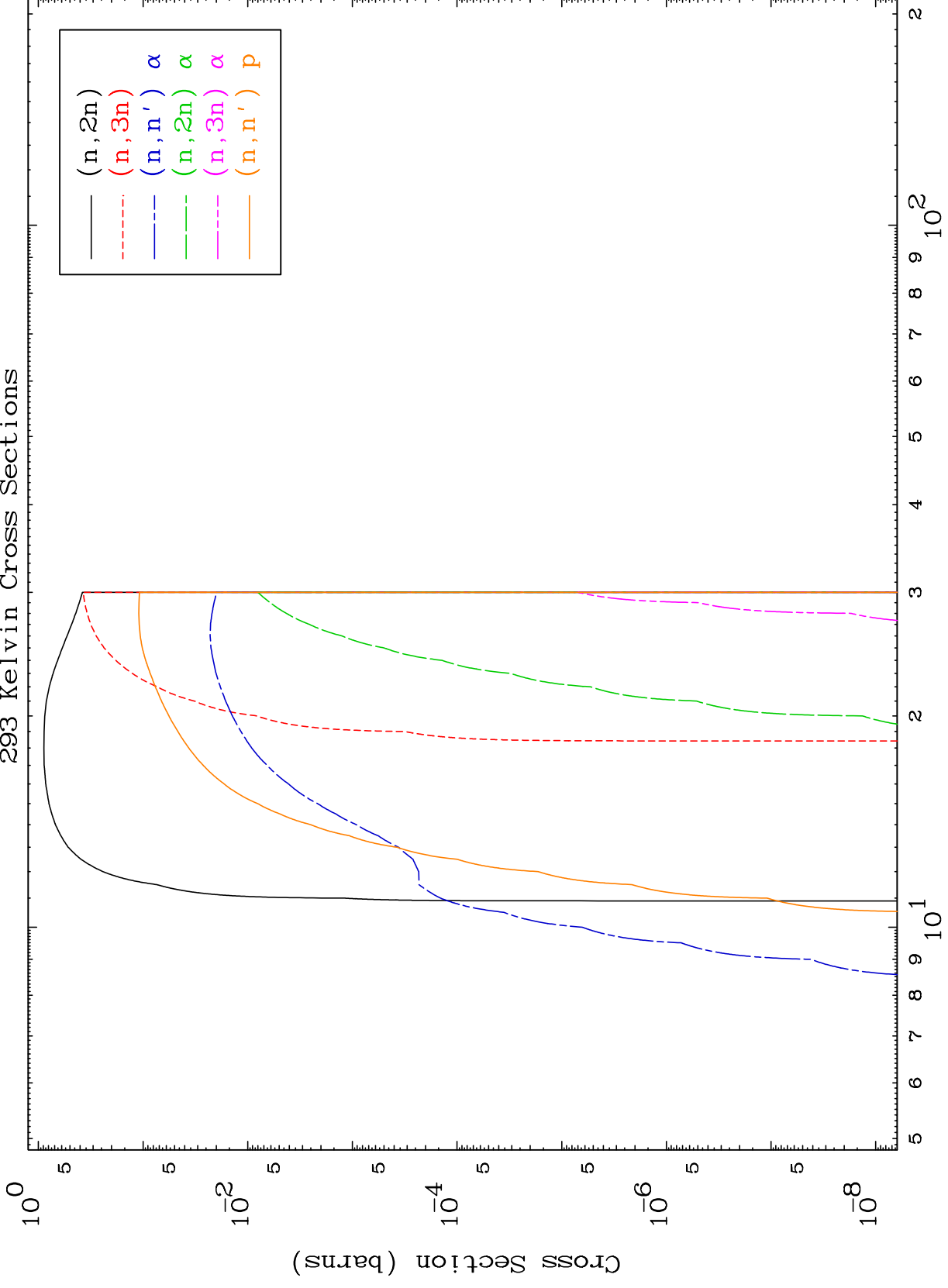
Press Mouse Button to Start



MAT 3231

Neutron Production
293 Kelvin Cross Sections

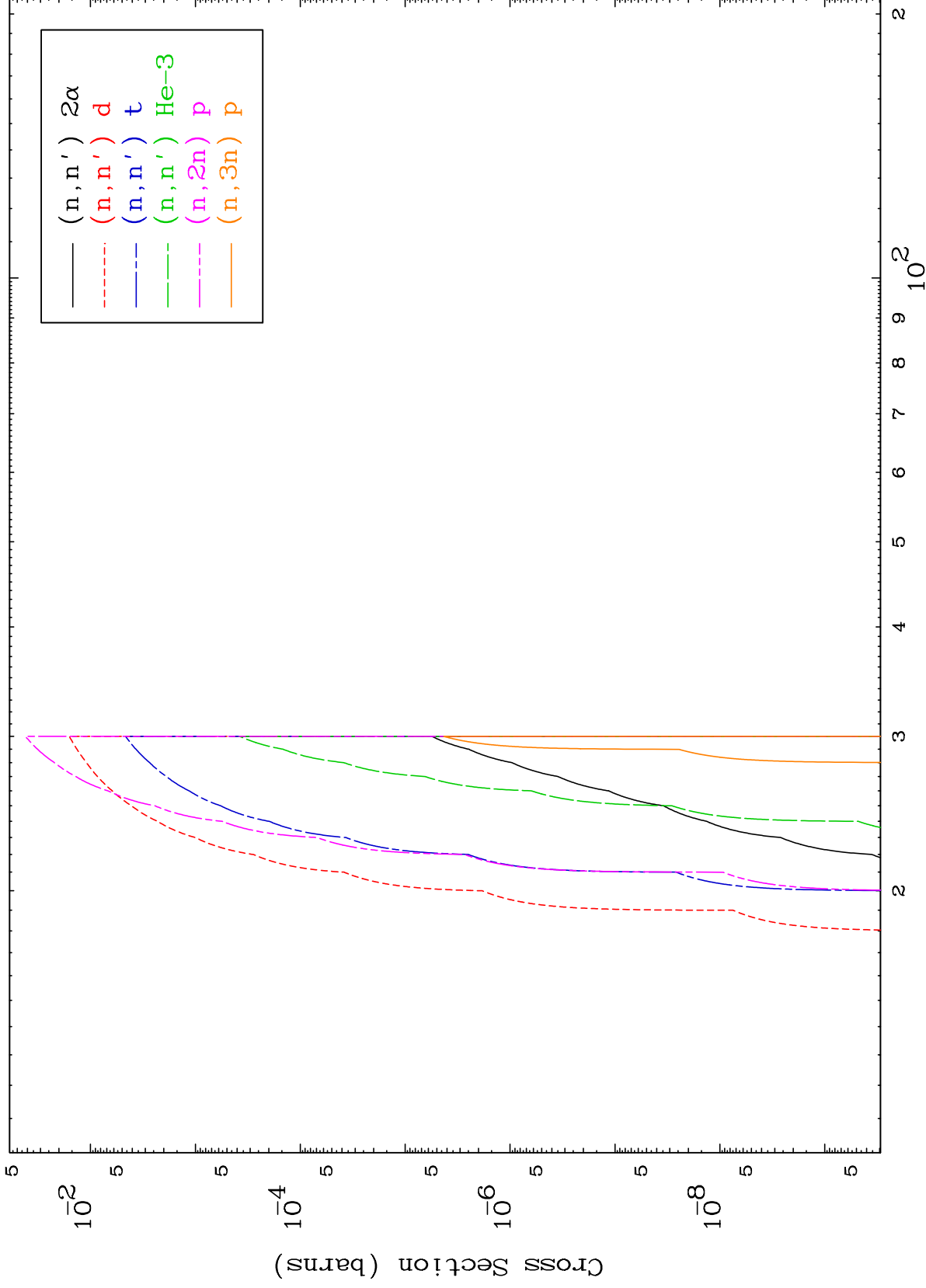
32-Ge-72



2

Incident Energy (MeV)

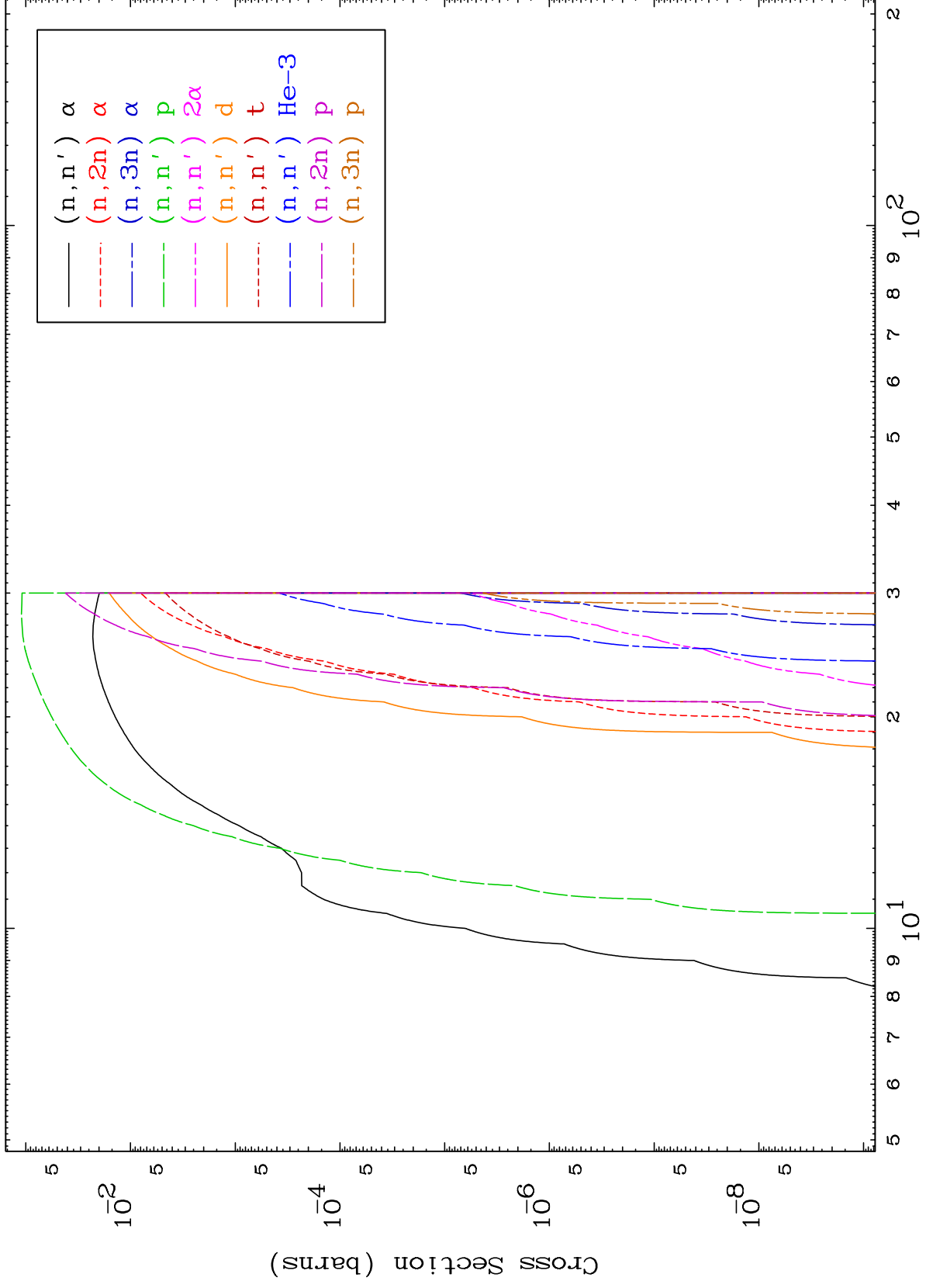
32-Ge-72



MAT 3231

Charged Particle
293 Kelvin Cross Sections

32-Ge-72



4

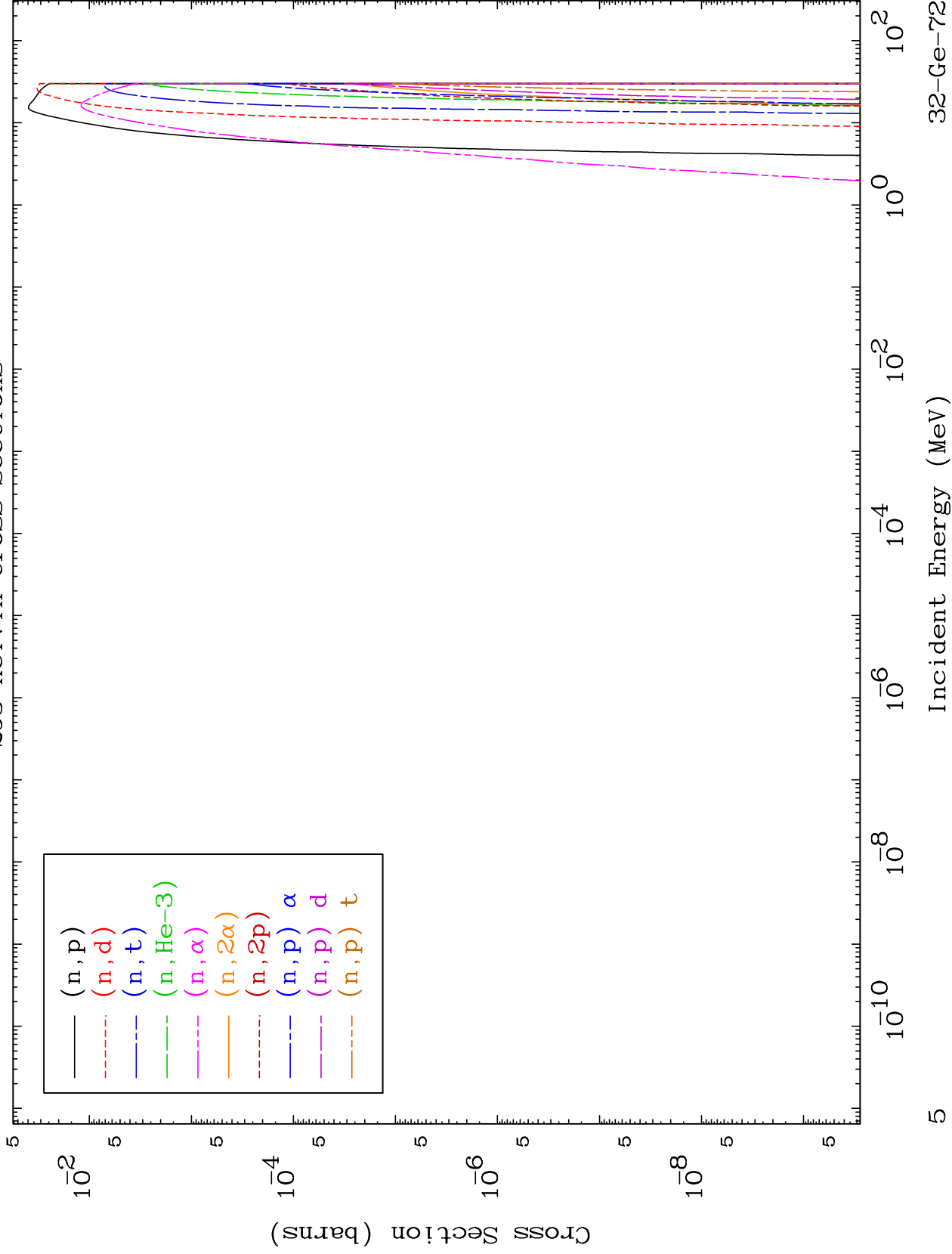
Incident Energy (MeV)

32-Ge-72

MAT 3231

Charged Particle
293 Kelvin Cross Sections

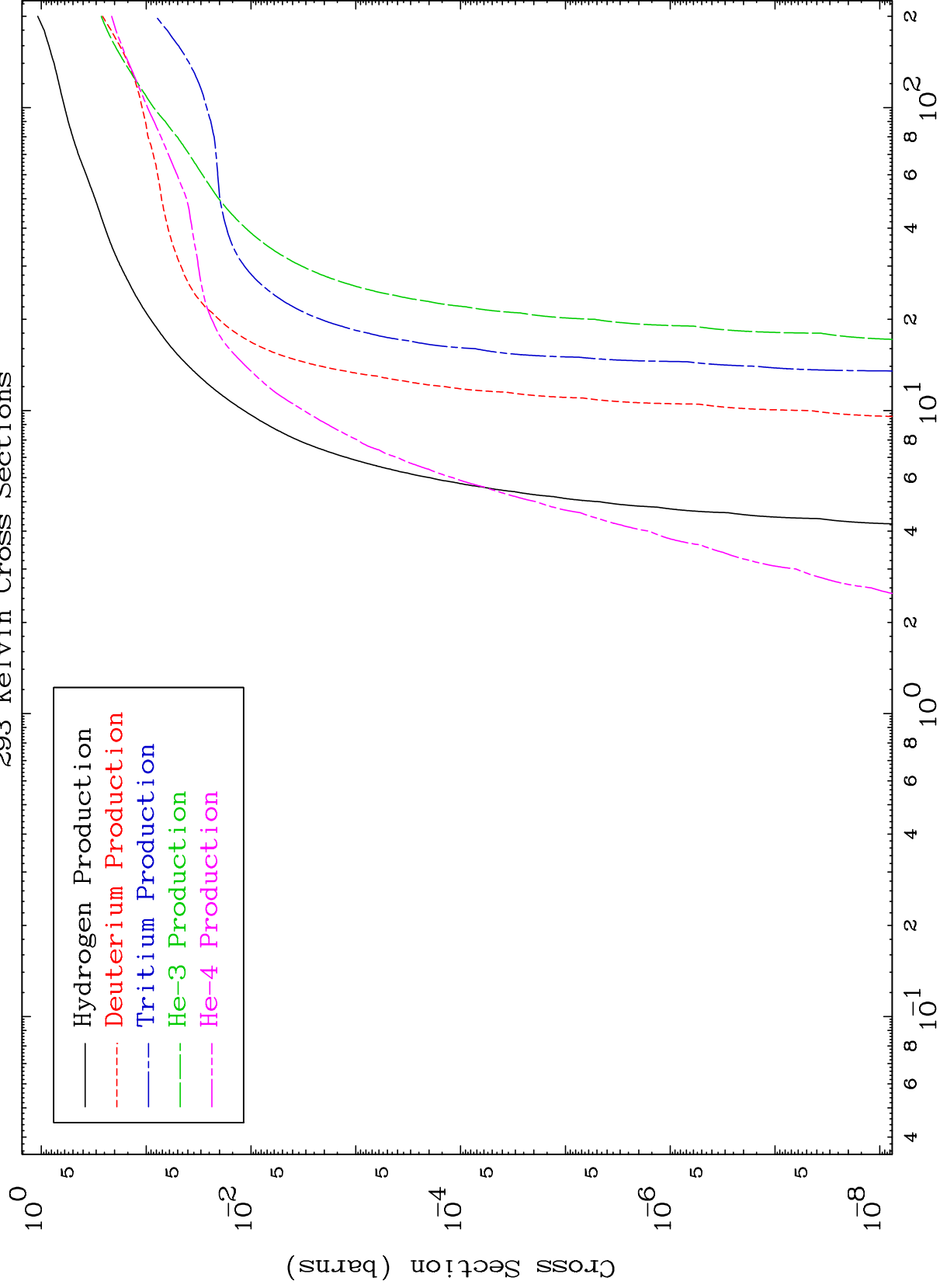
32-Ge-72



MAT 3231

Particle Production
293 Kelvin Cross Sections

32-Ge-72



6

Incident Energy (MeV)

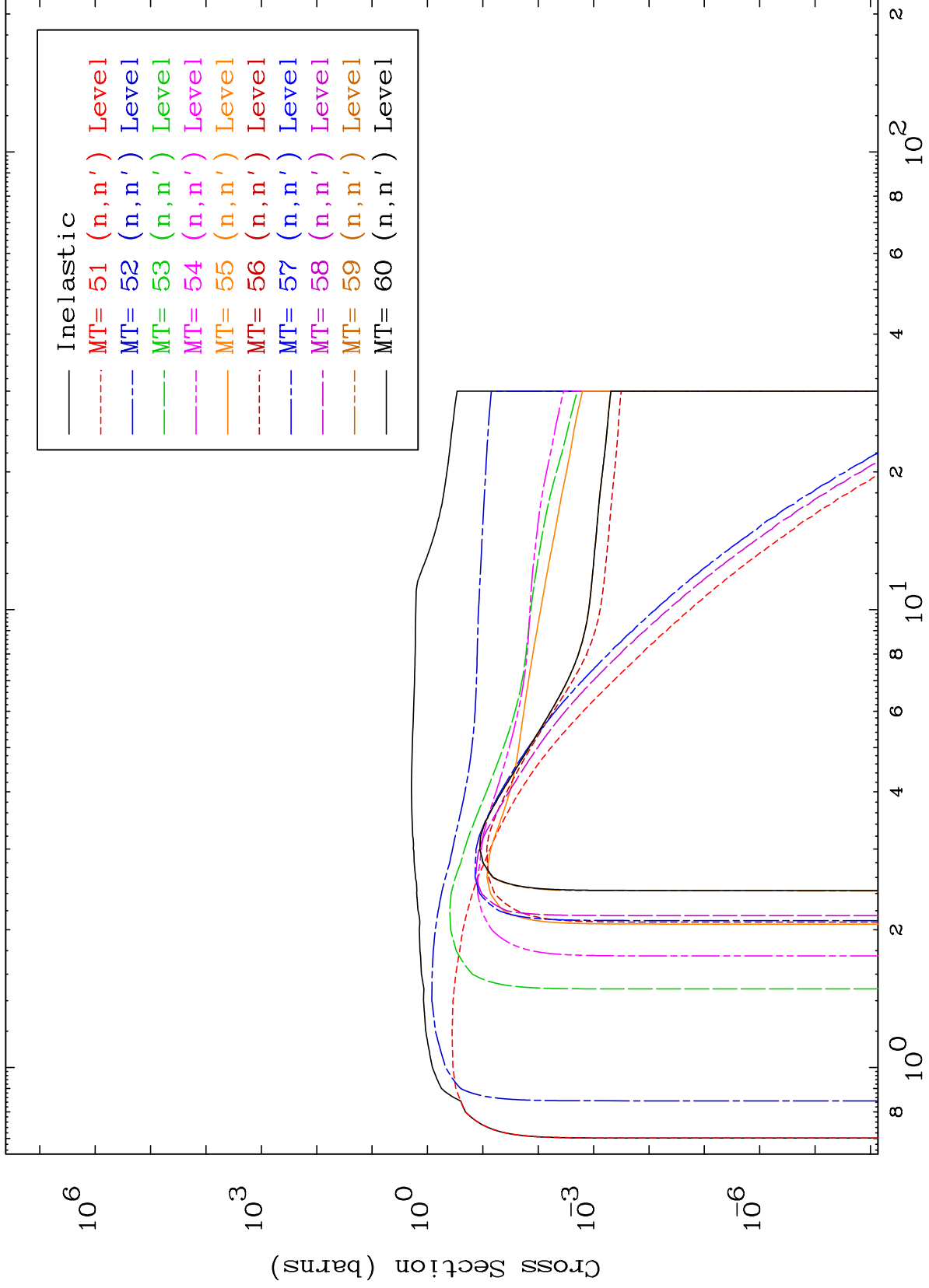
32-Ge-72

MAT 3231

(n,n') Level

32-Ge-72

293 Kelvin Cross Sections



7

Incident Energy (MeV)

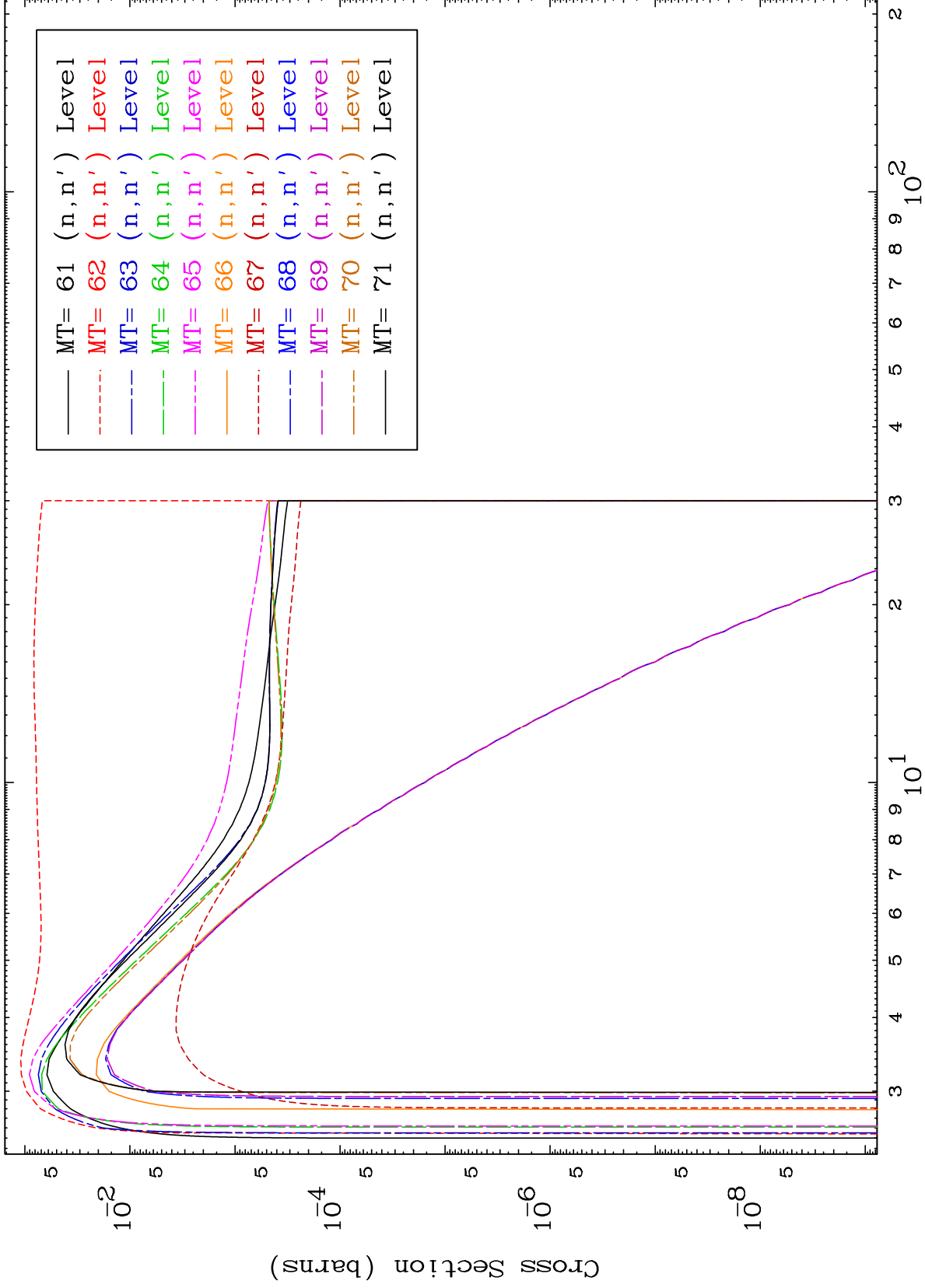
32-Ge-72

MAT 3231

(n,n') Level

32-Ge-72

293 Kelvin Cross Sections



8

Incident Energy (MeV)

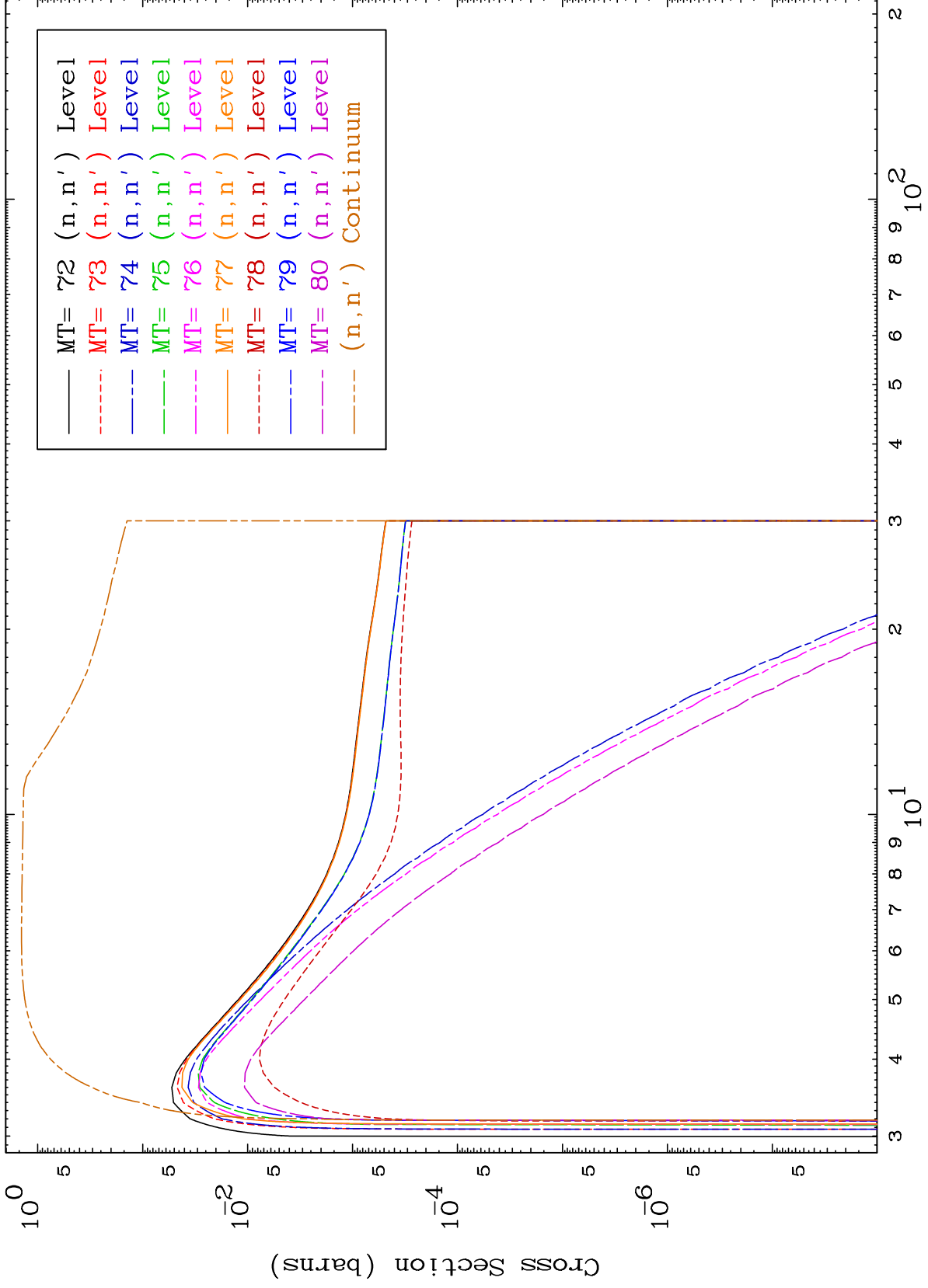
32-Ge-72

MAT 3231

(n,n') Level

32-Ge-72

293 Kelvin Cross Sections



9

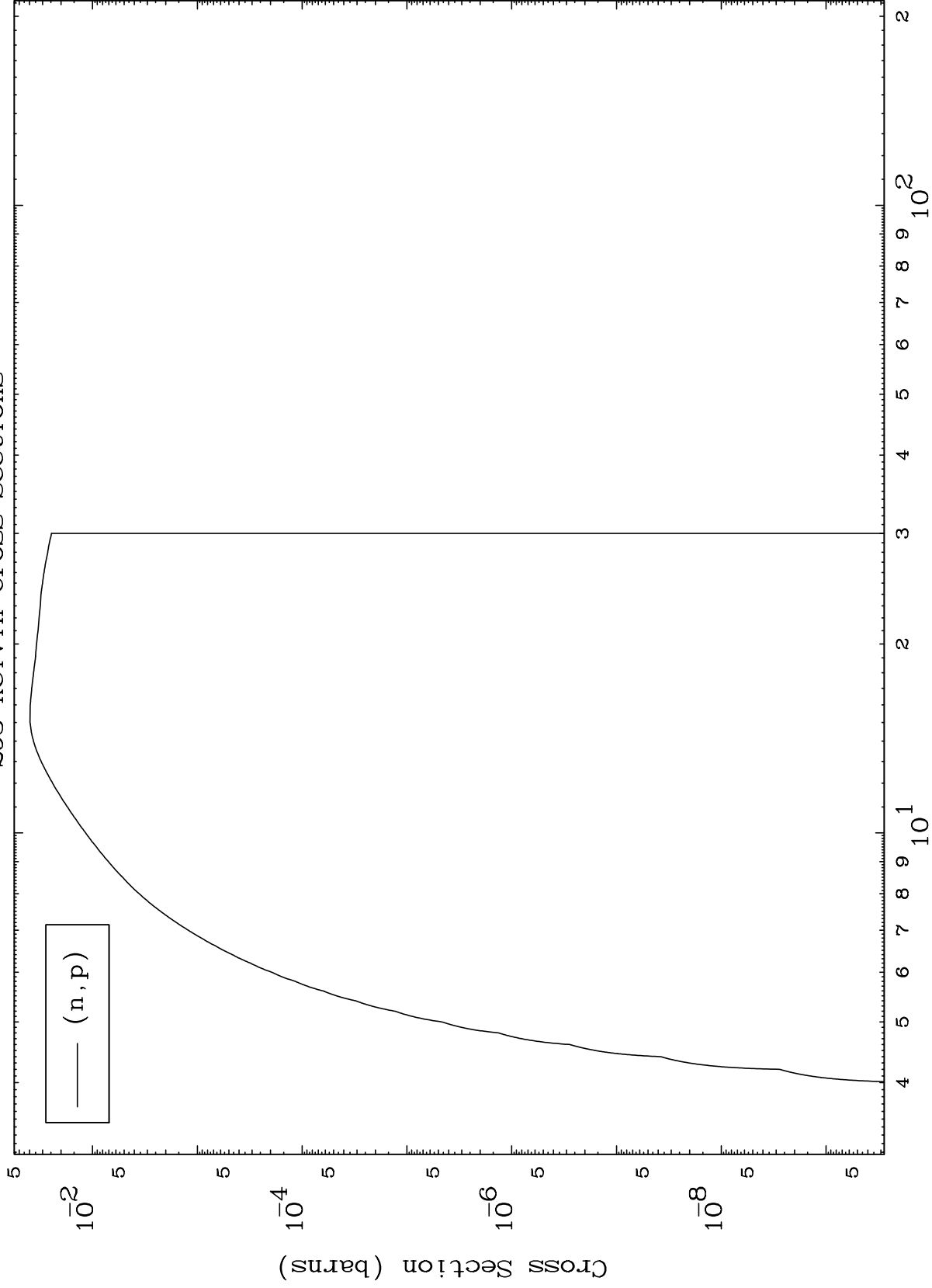
Incident Energy (MeV)

32-Ge-72

MAT 3231

(n,p) Levels
293 Kelvin Cross Sections

³²Ge-72



10

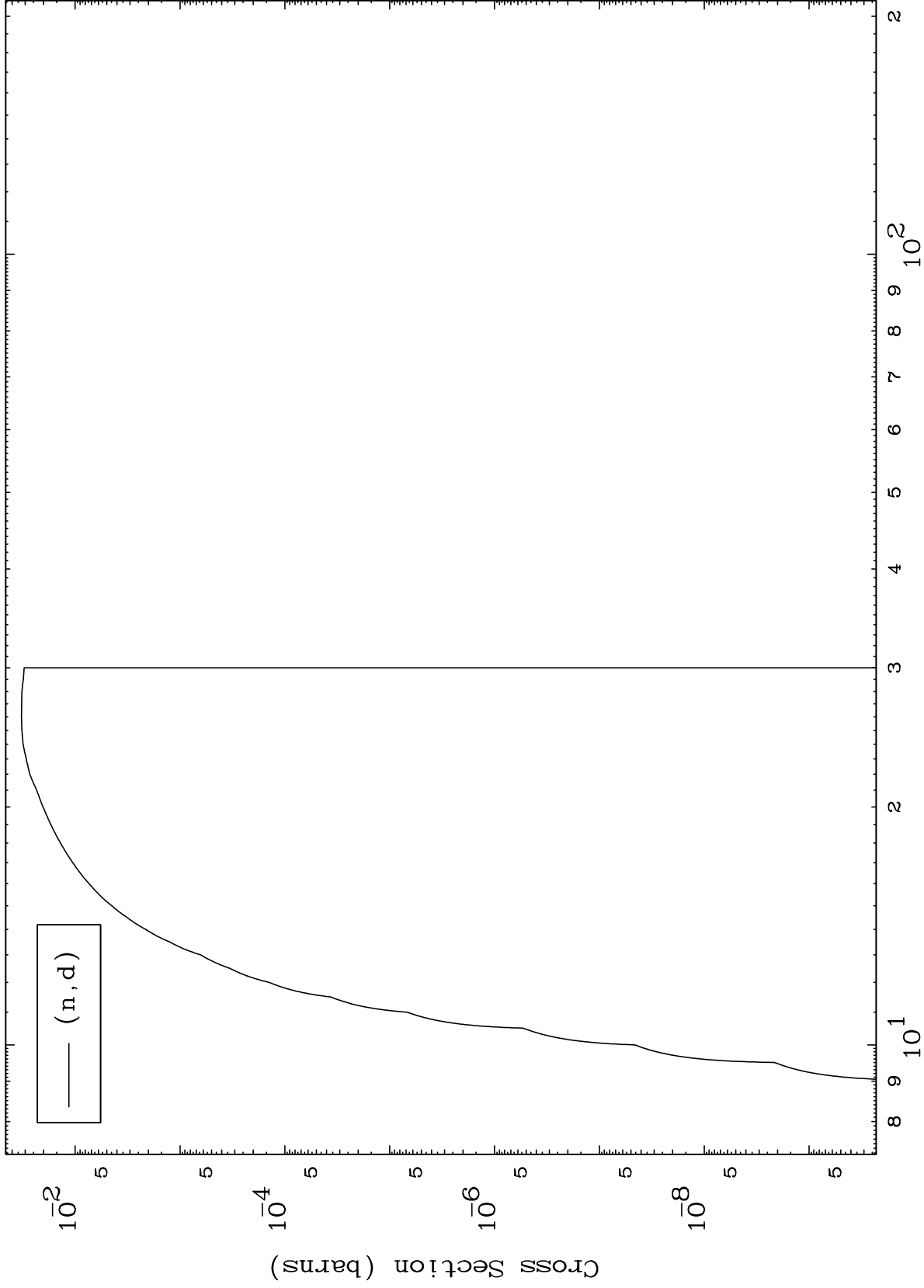
Incident Energy (MeV)

³²Ge-72

MAT 3231

(n,d) Levels
293 Kelvin Cross Sections

32-Ge-72



11

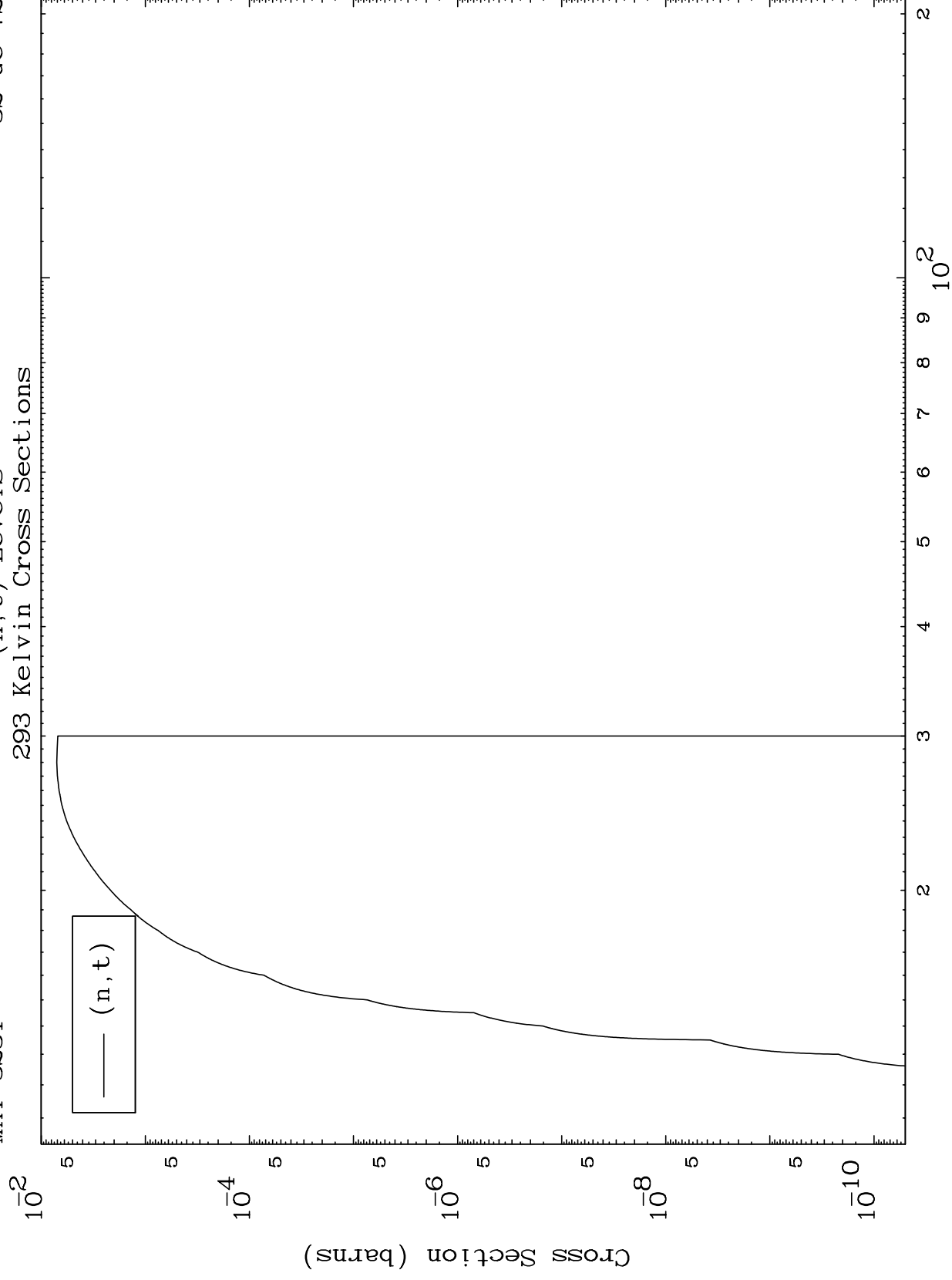
Incident Energy (MeV)

32-Ge-72

MAT 3231

(n,t) Levels
293 Kelvin Cross Sections

³²Ge-72



12

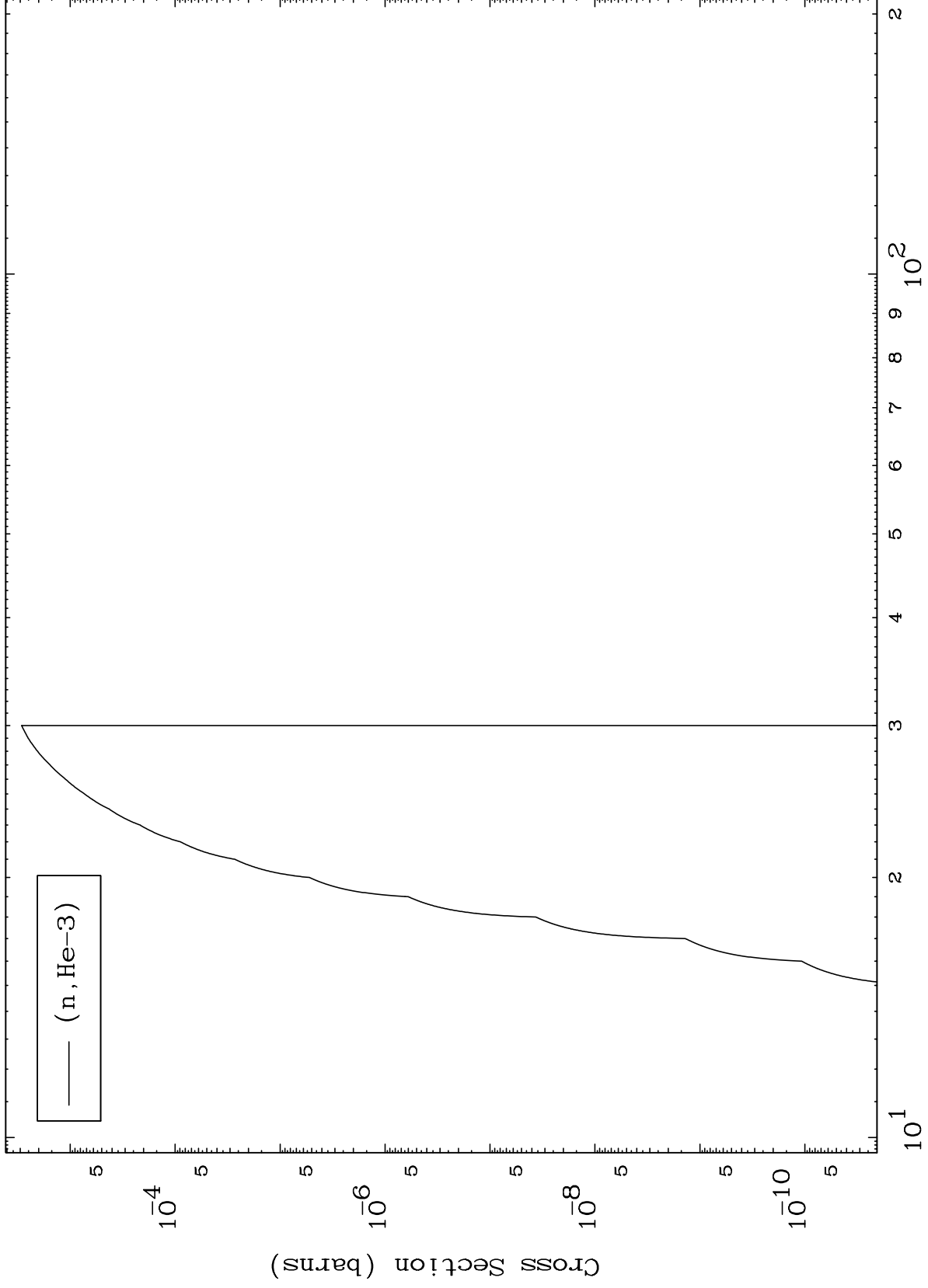
Incident Energy (MeV)

³²Ge-72

MAT 3231

(n,He3) Levels
293 Kelvin Cross Sections

32-Ge-72



13

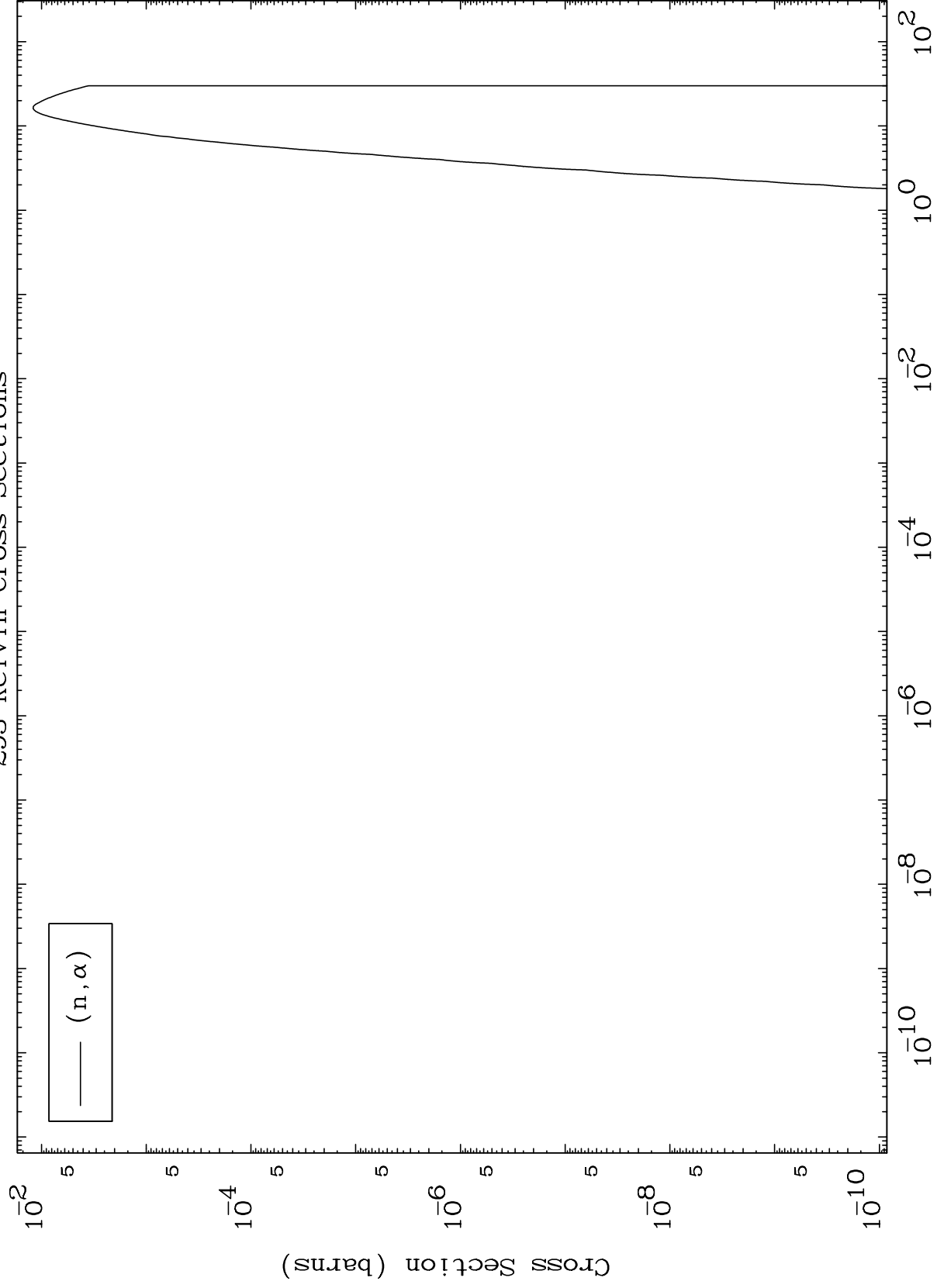
Incident Energy (MeV)

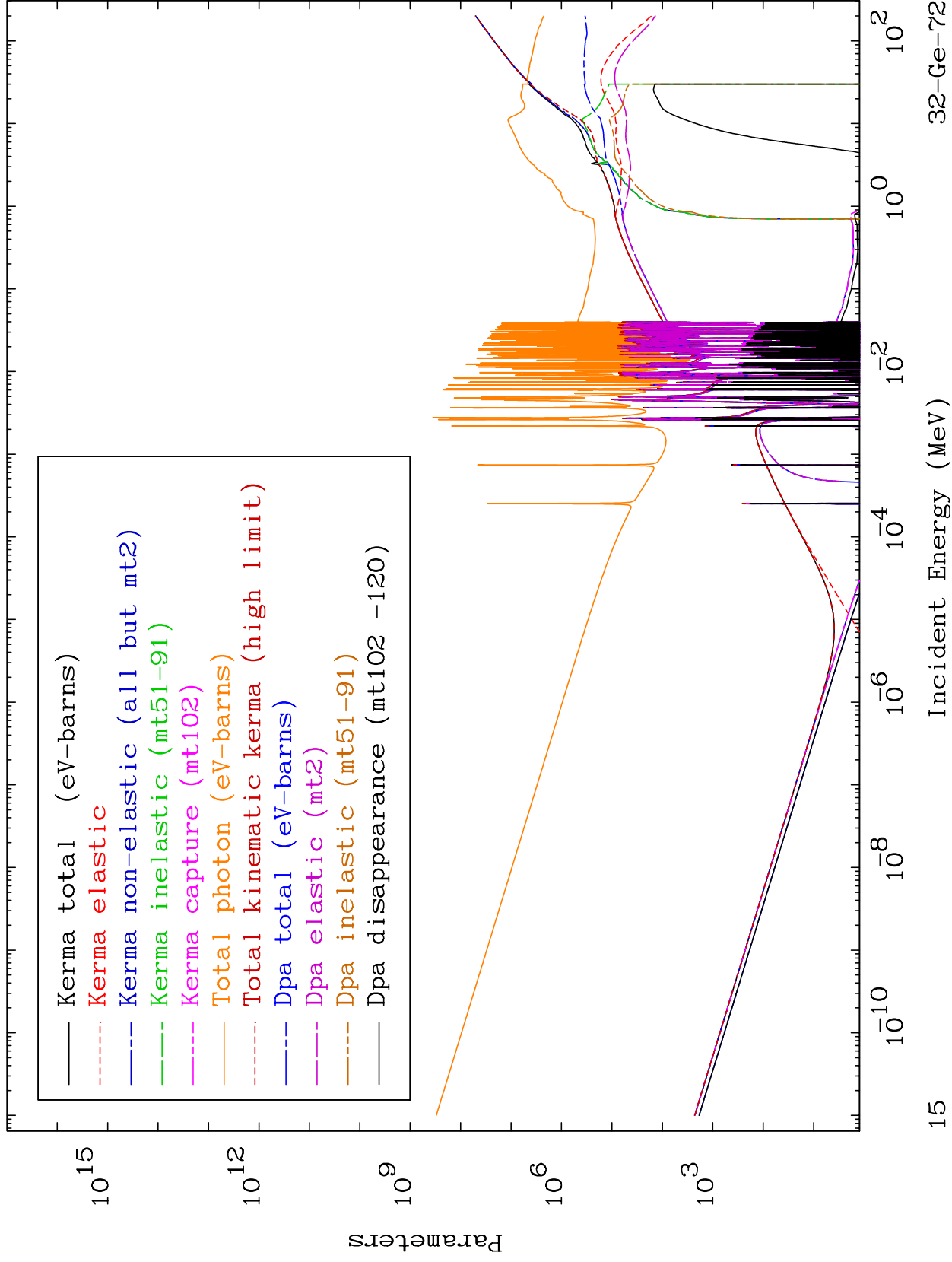
32-Ge-72

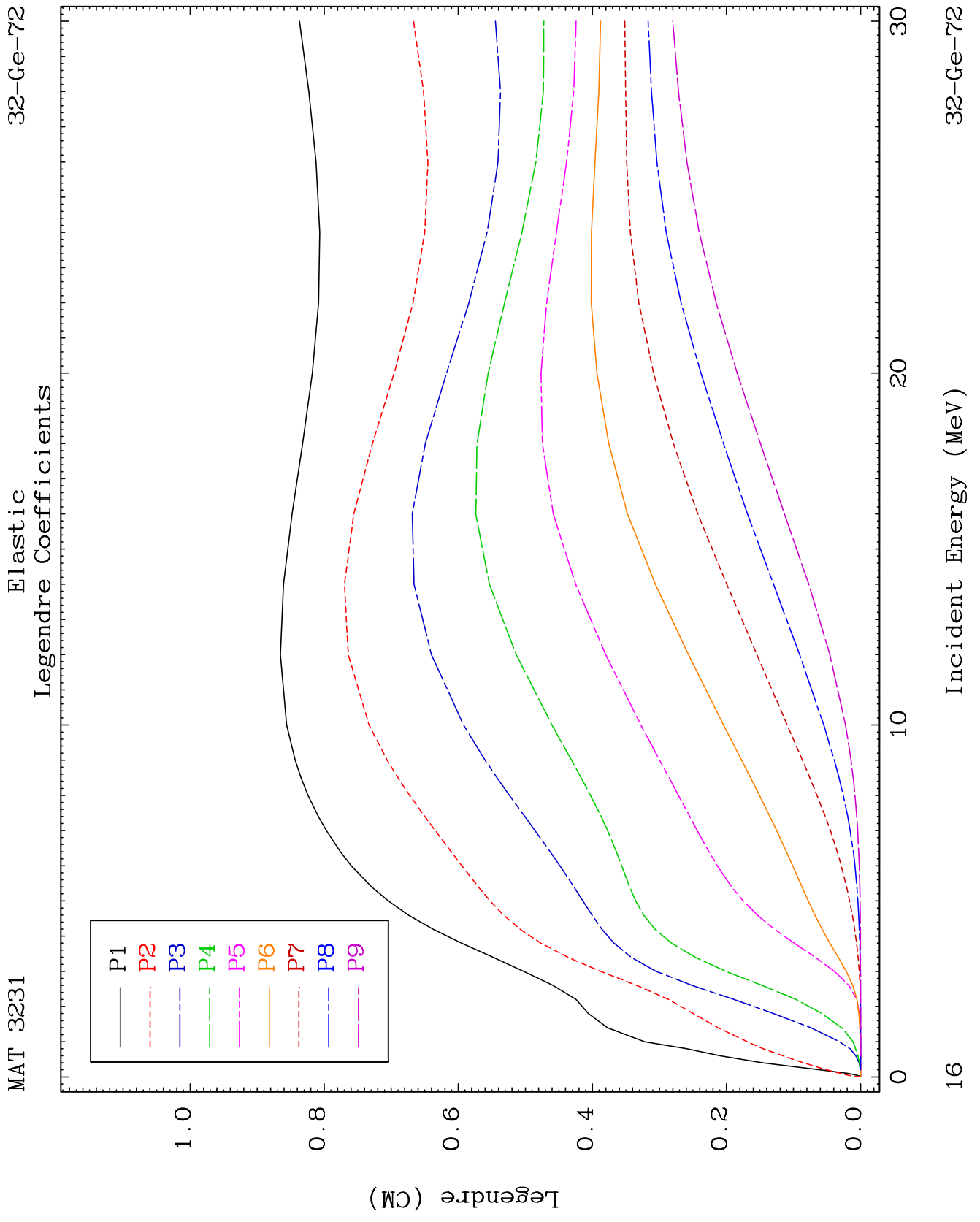
MAT 3231

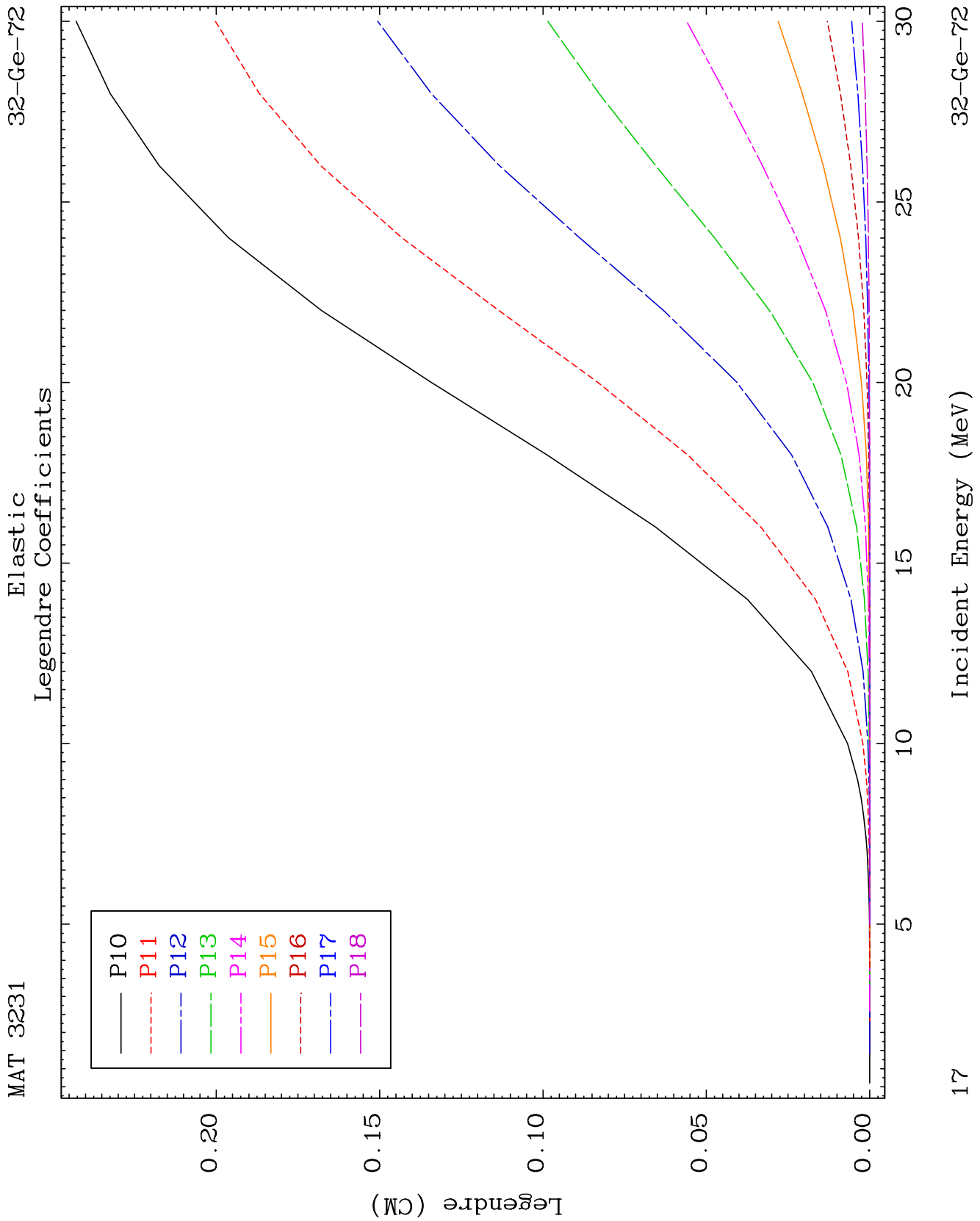
(n, α) Levels
293 Kelvin Cross Sections

32-Ge-72





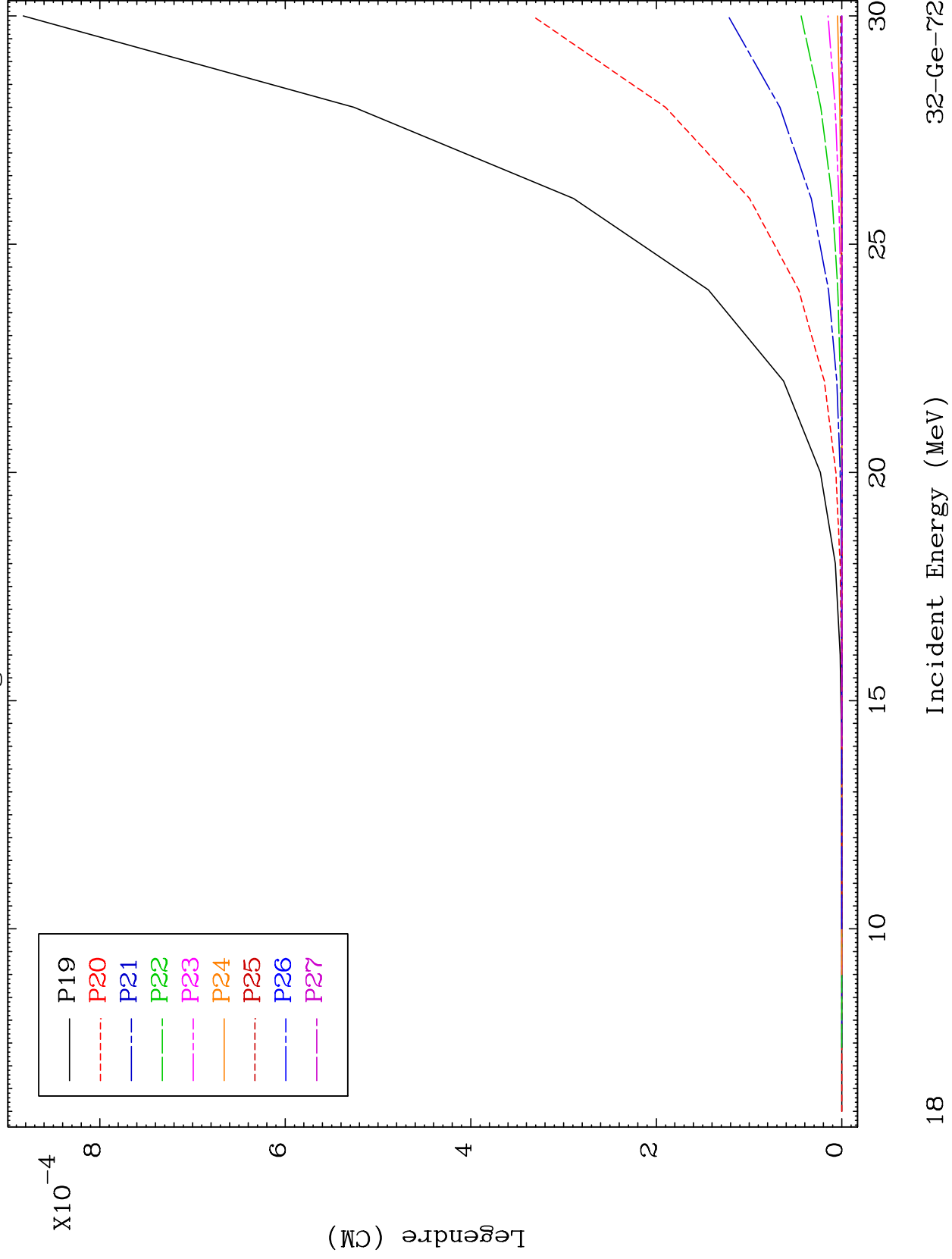




MAT 3231

Elastic Legendre Coefficients

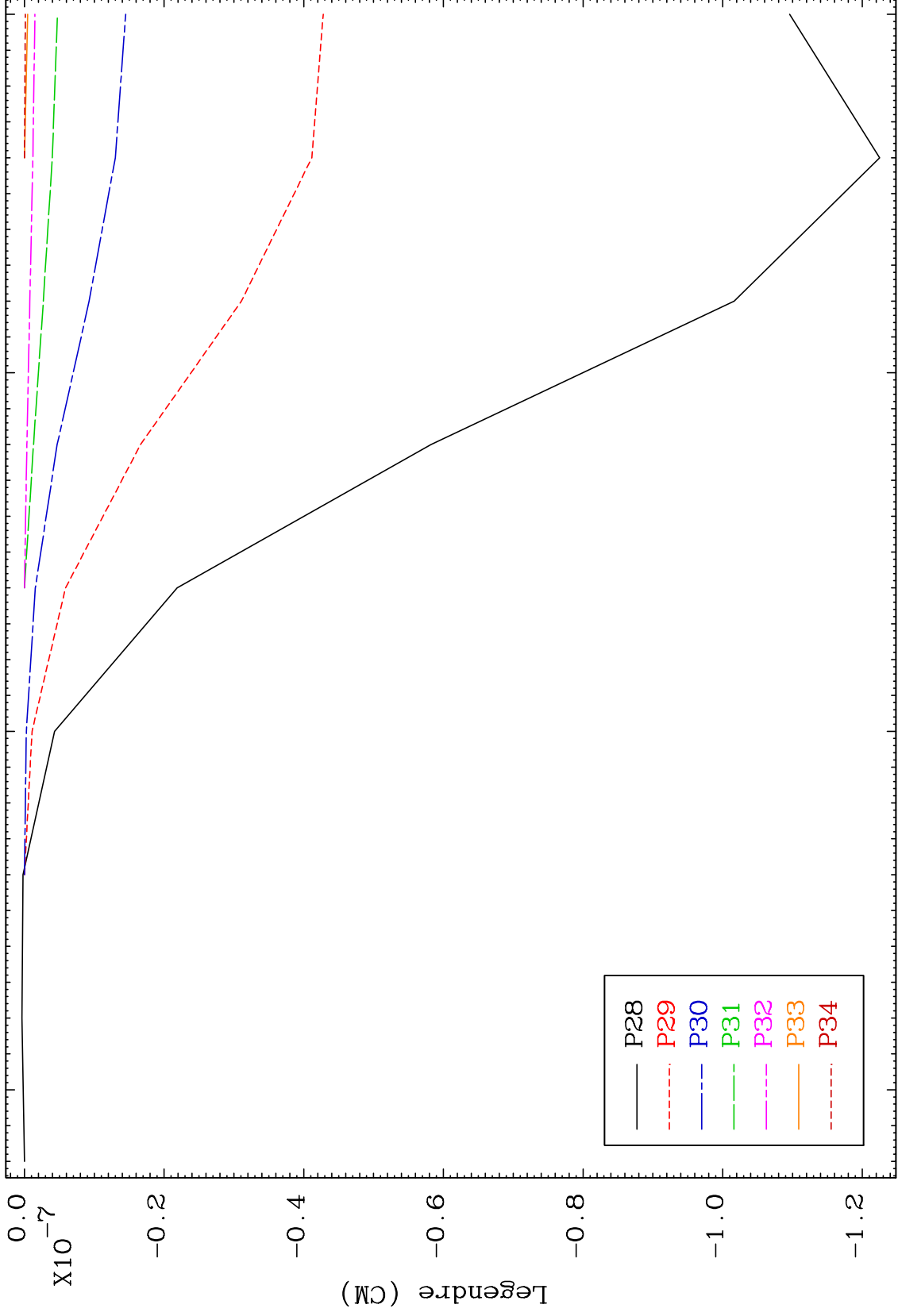
³²Ge-72



MAT 3231

32-Ge-72

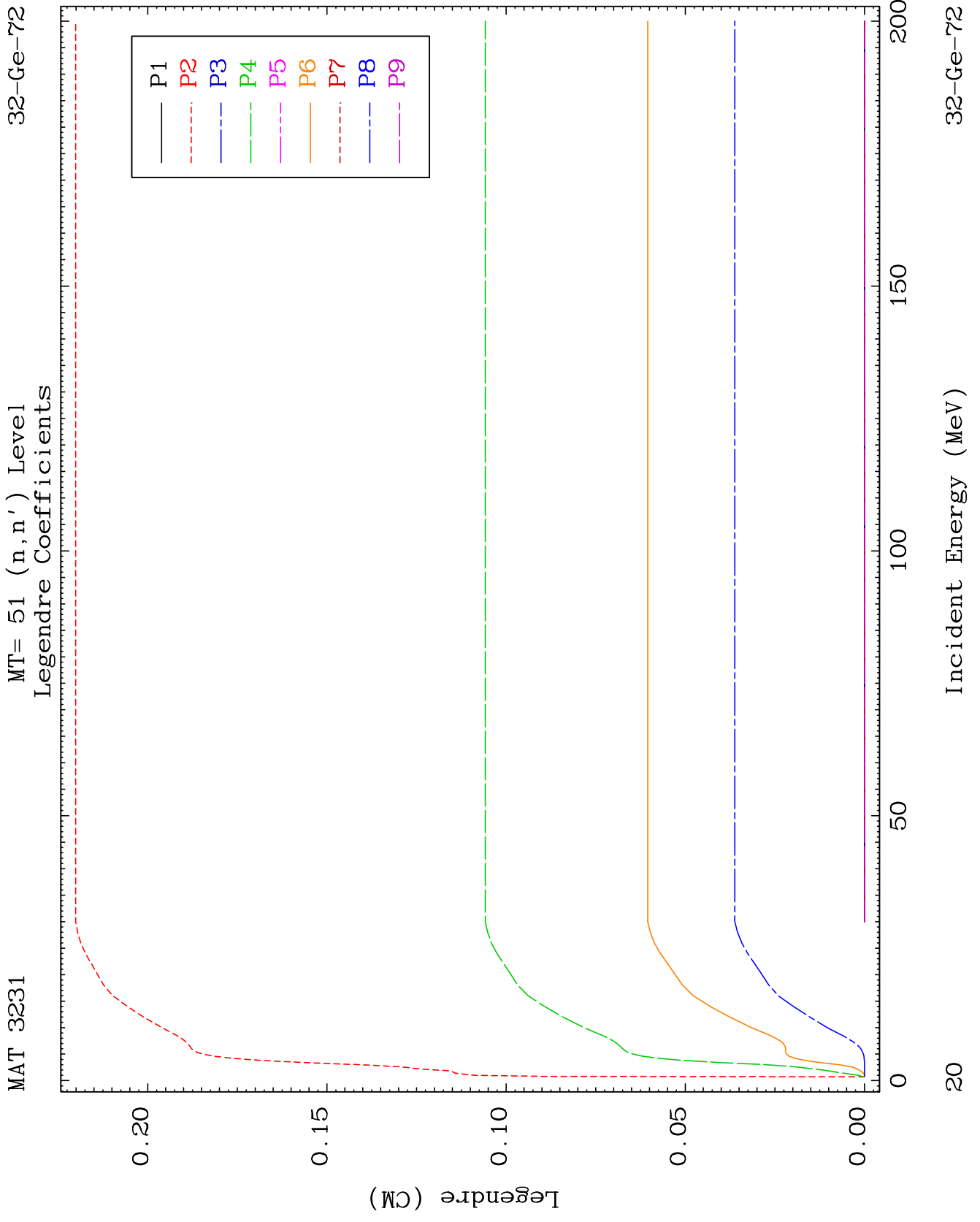
Elastic Legendre Coefficients



19

Incident Energy (MeV)

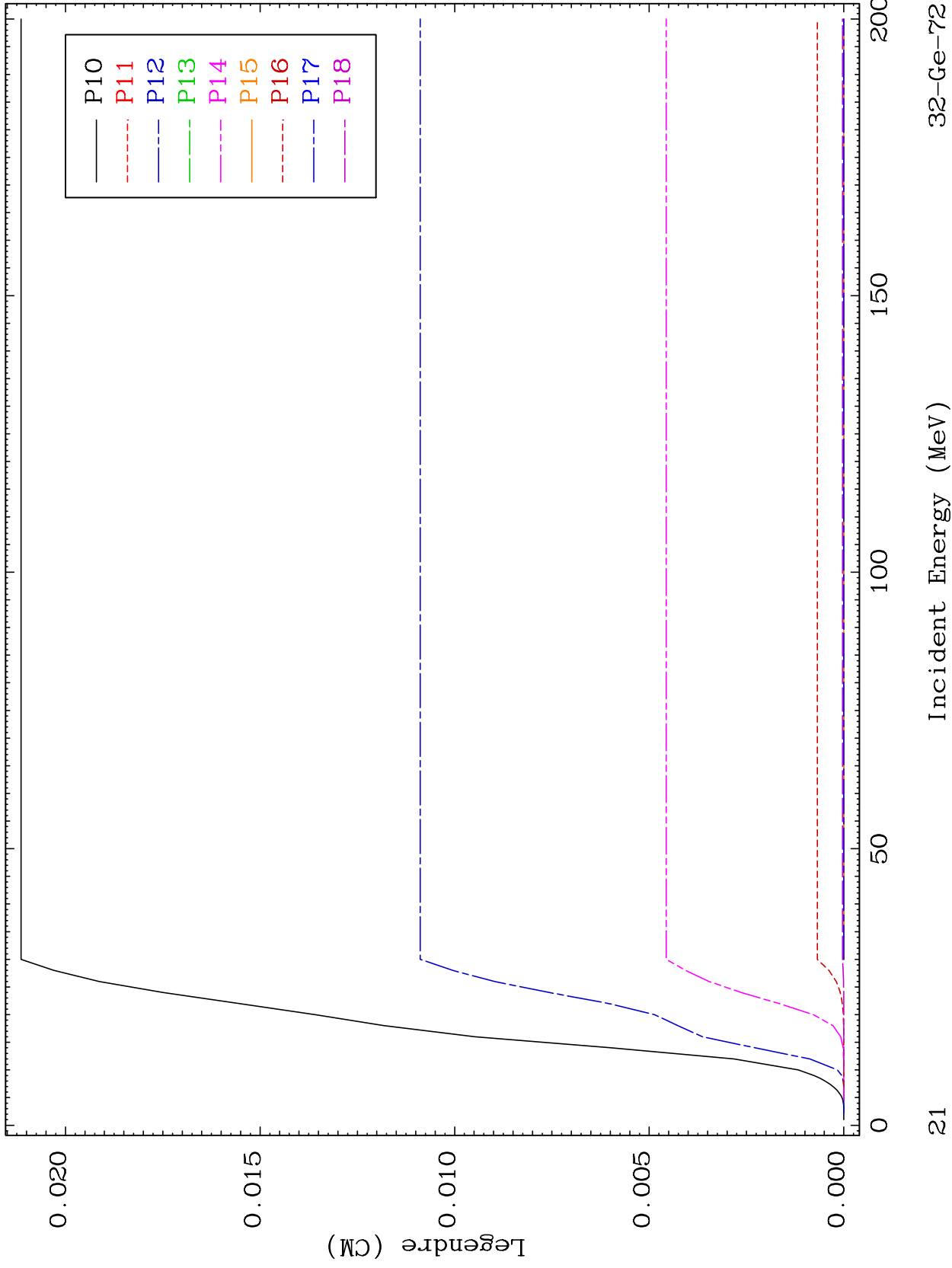
32-Ge-72



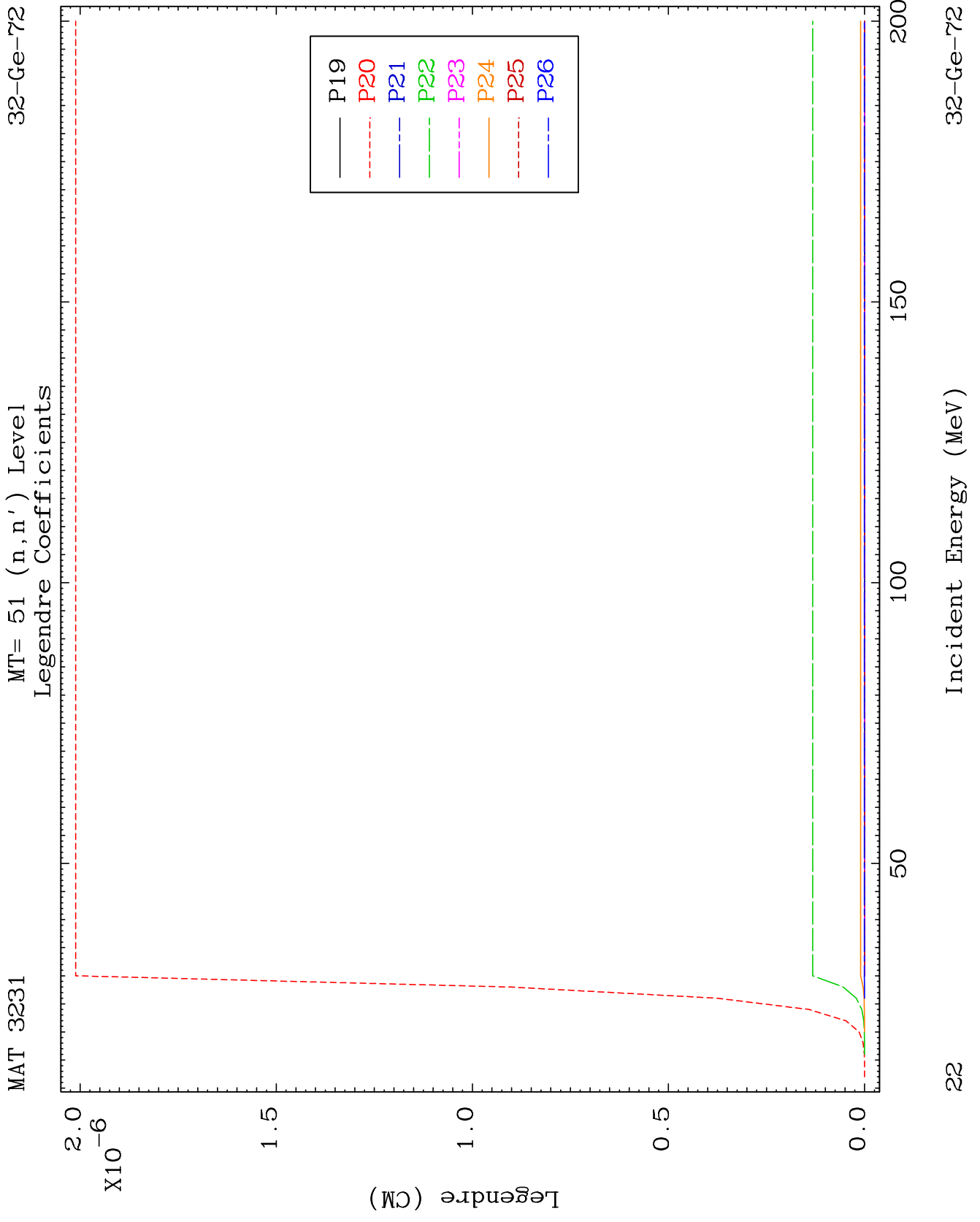
MAT 3231

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

32-Ge-72



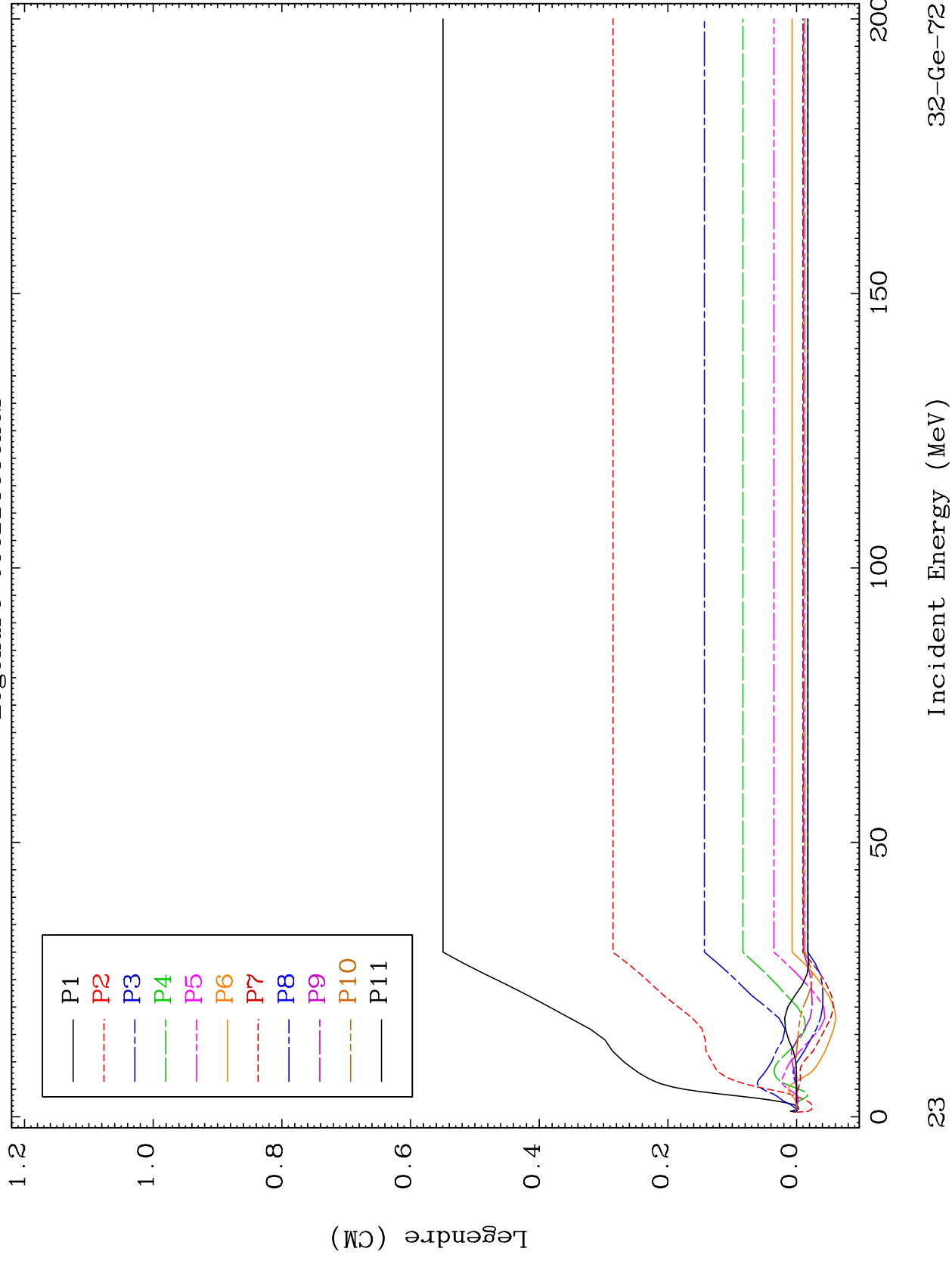
21



MAT 3231

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

32-Ge-72



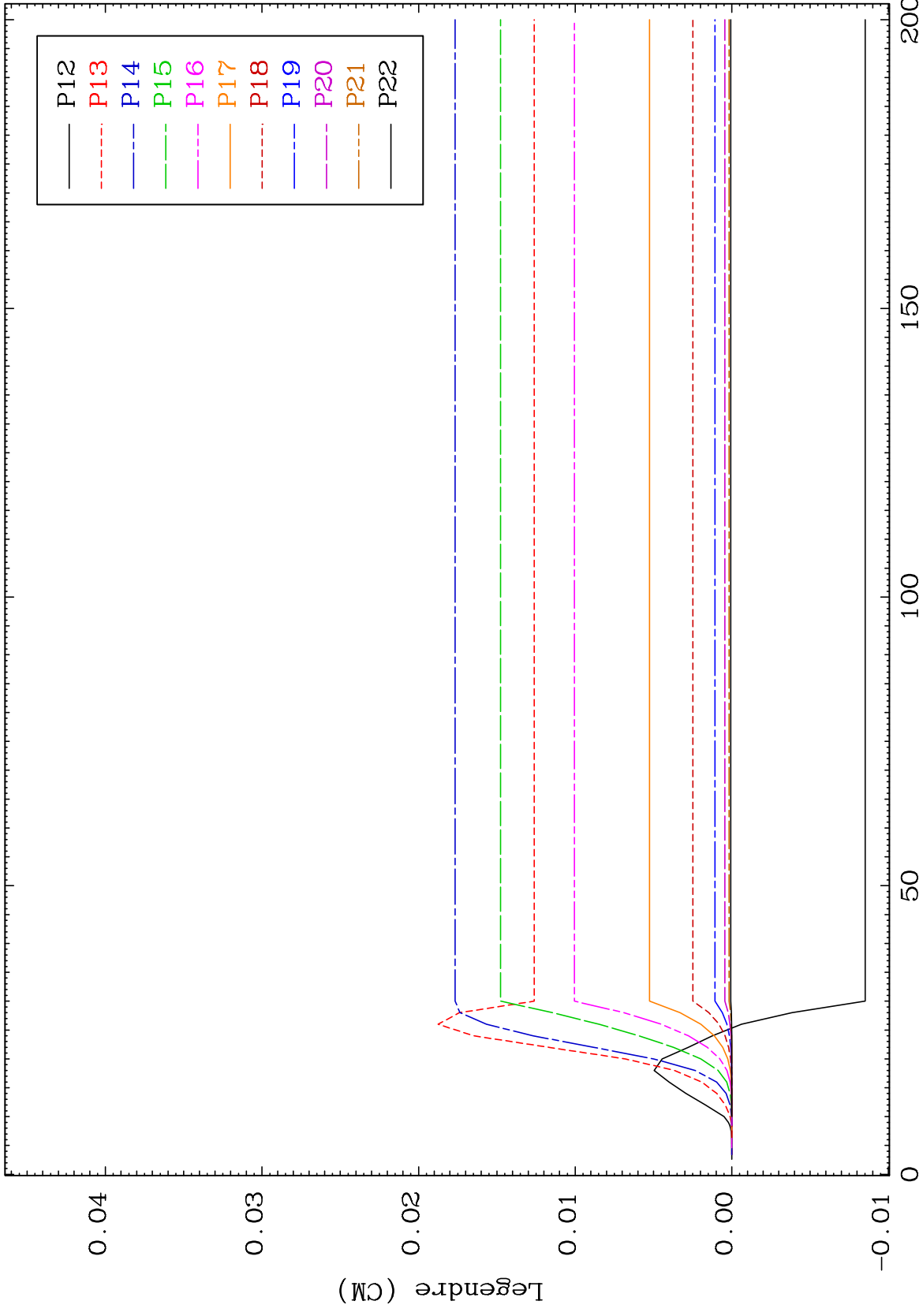
23

32-Ge-72

MAT 3231

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

32-Ge-72



24

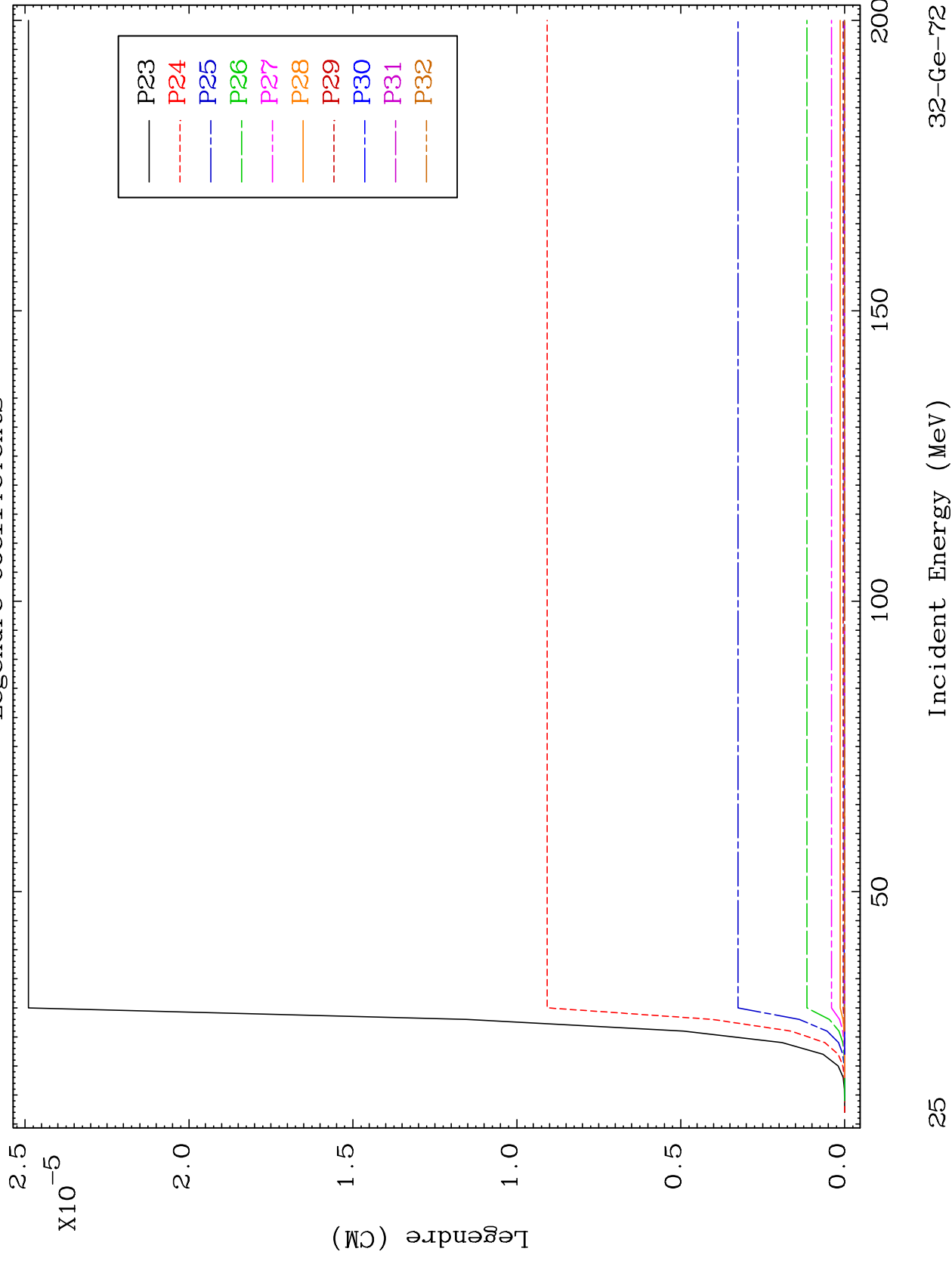
Incident Energy (MeV)

32-Ge-72

MAT 3231

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

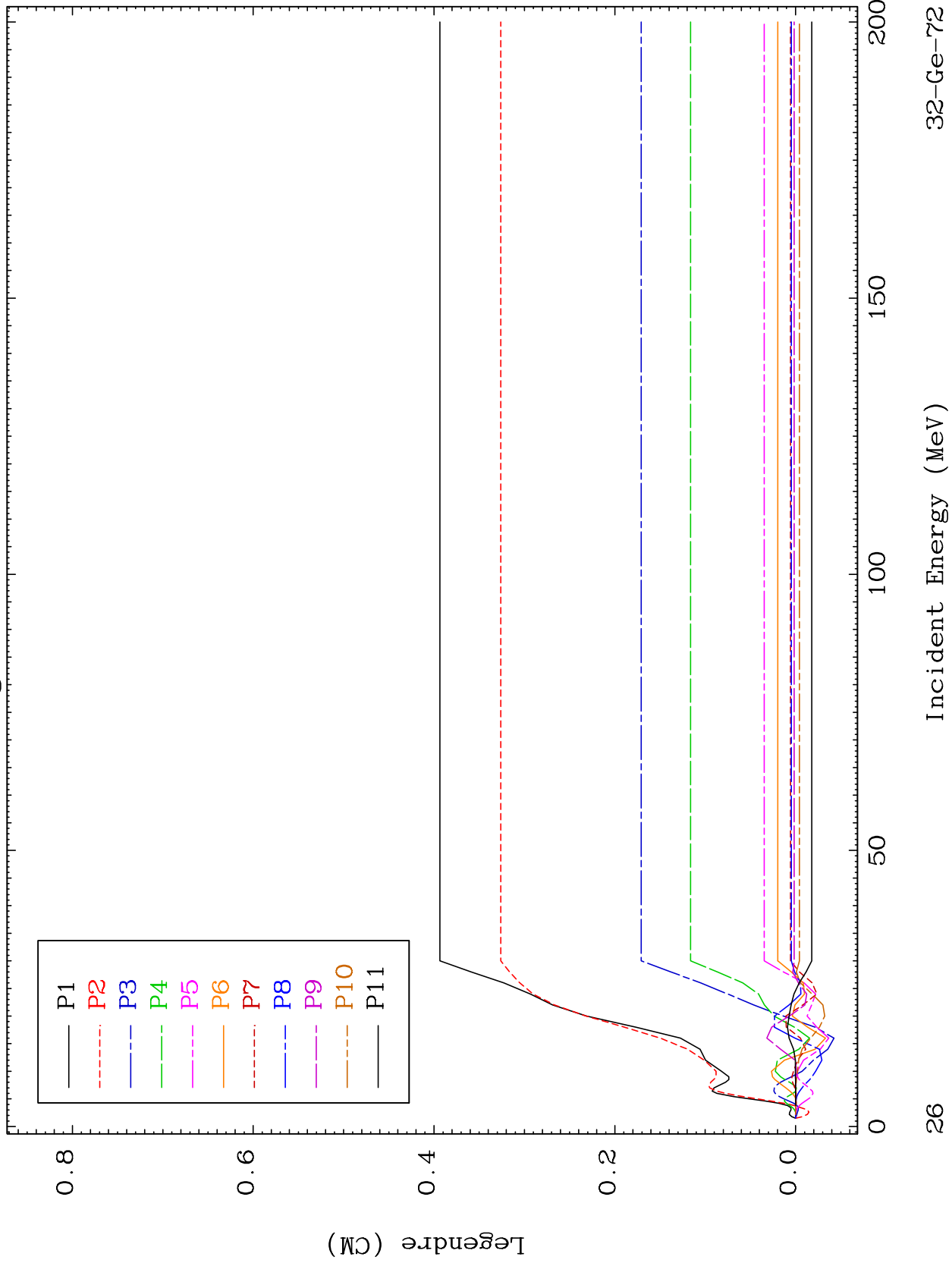
32-Ge-72



MAT 3231

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

32-Ge-72



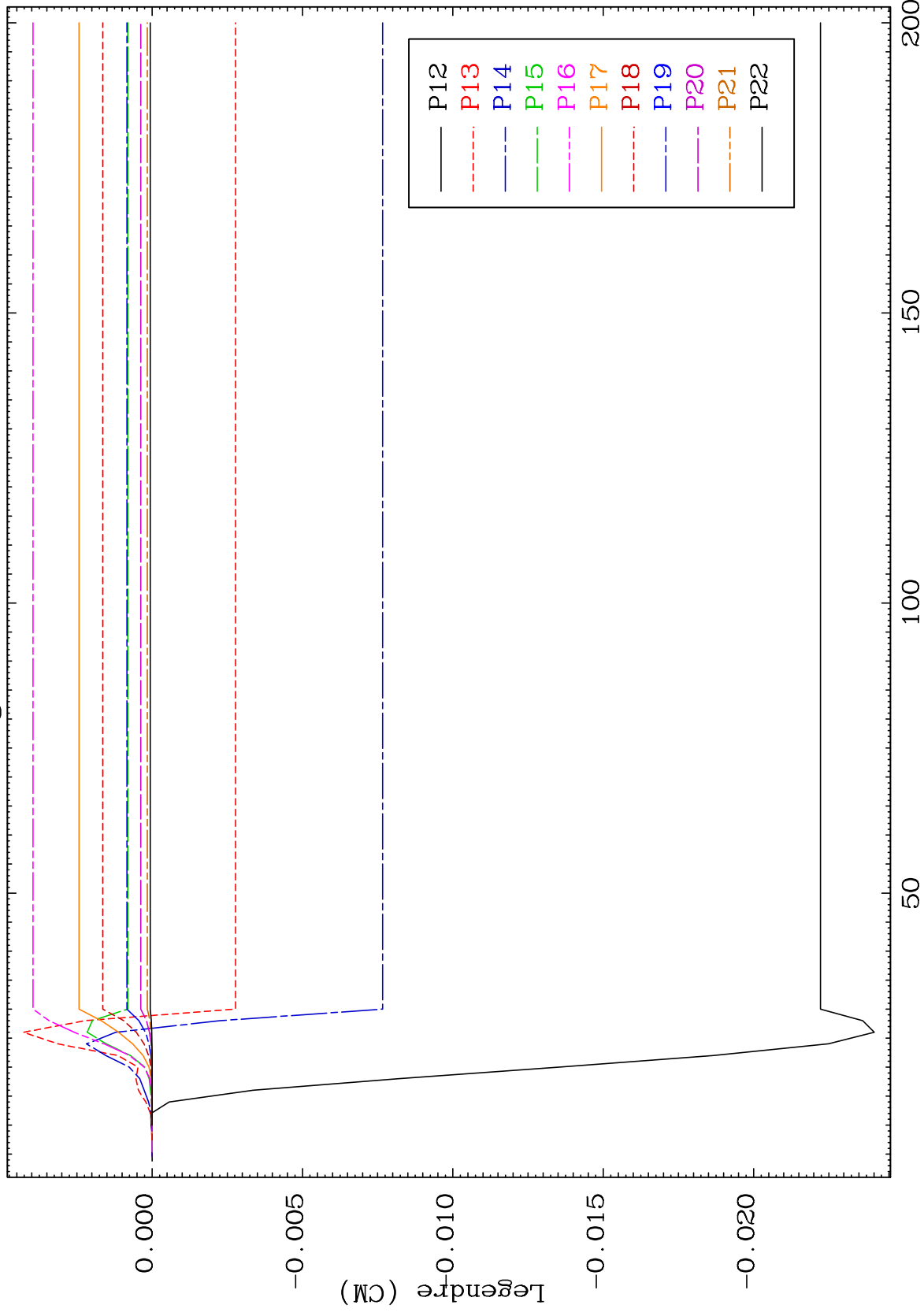
26

32-Ge-72

MAT 3231

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

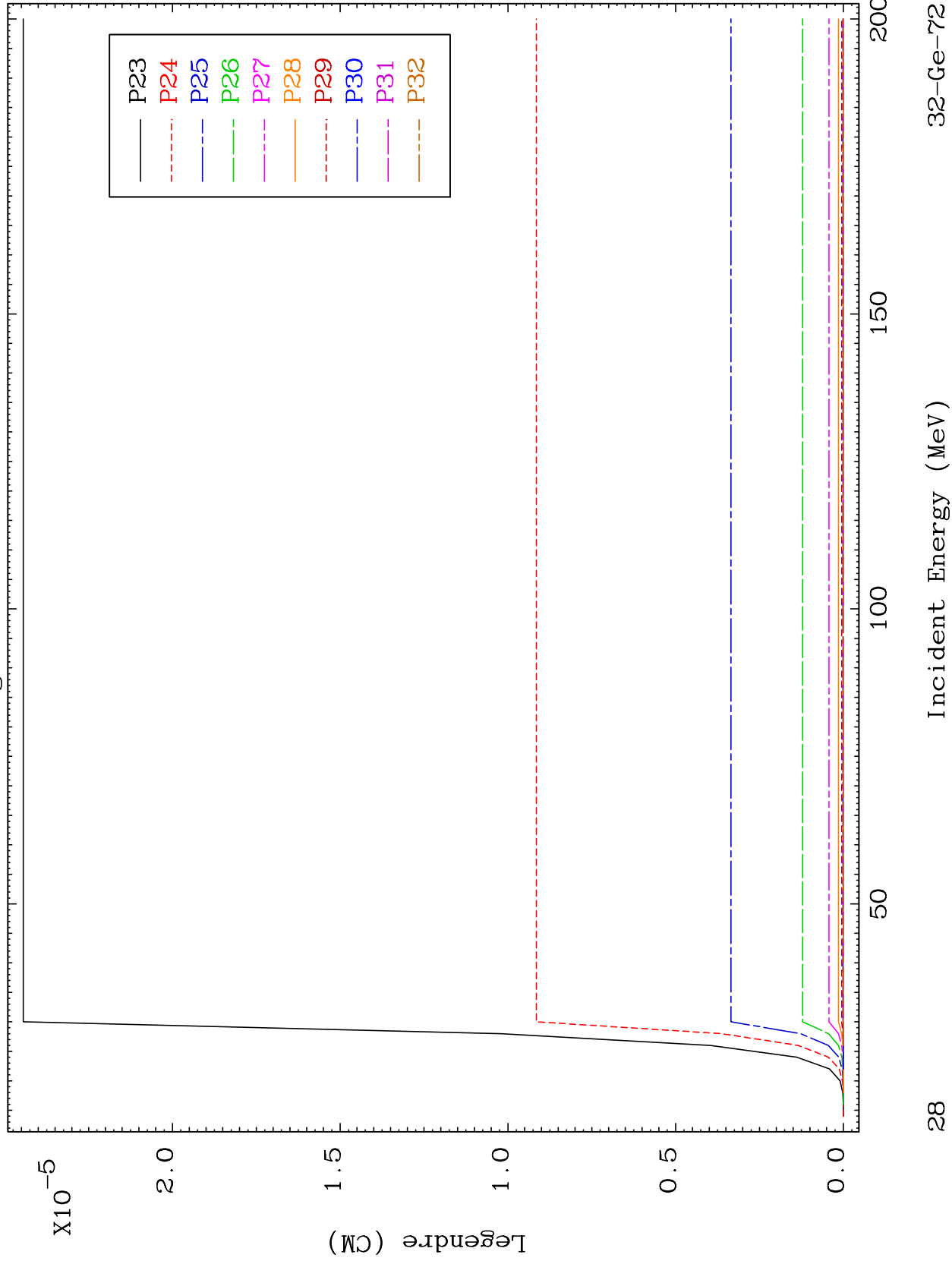
32-Ge-72



MAT 3231

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

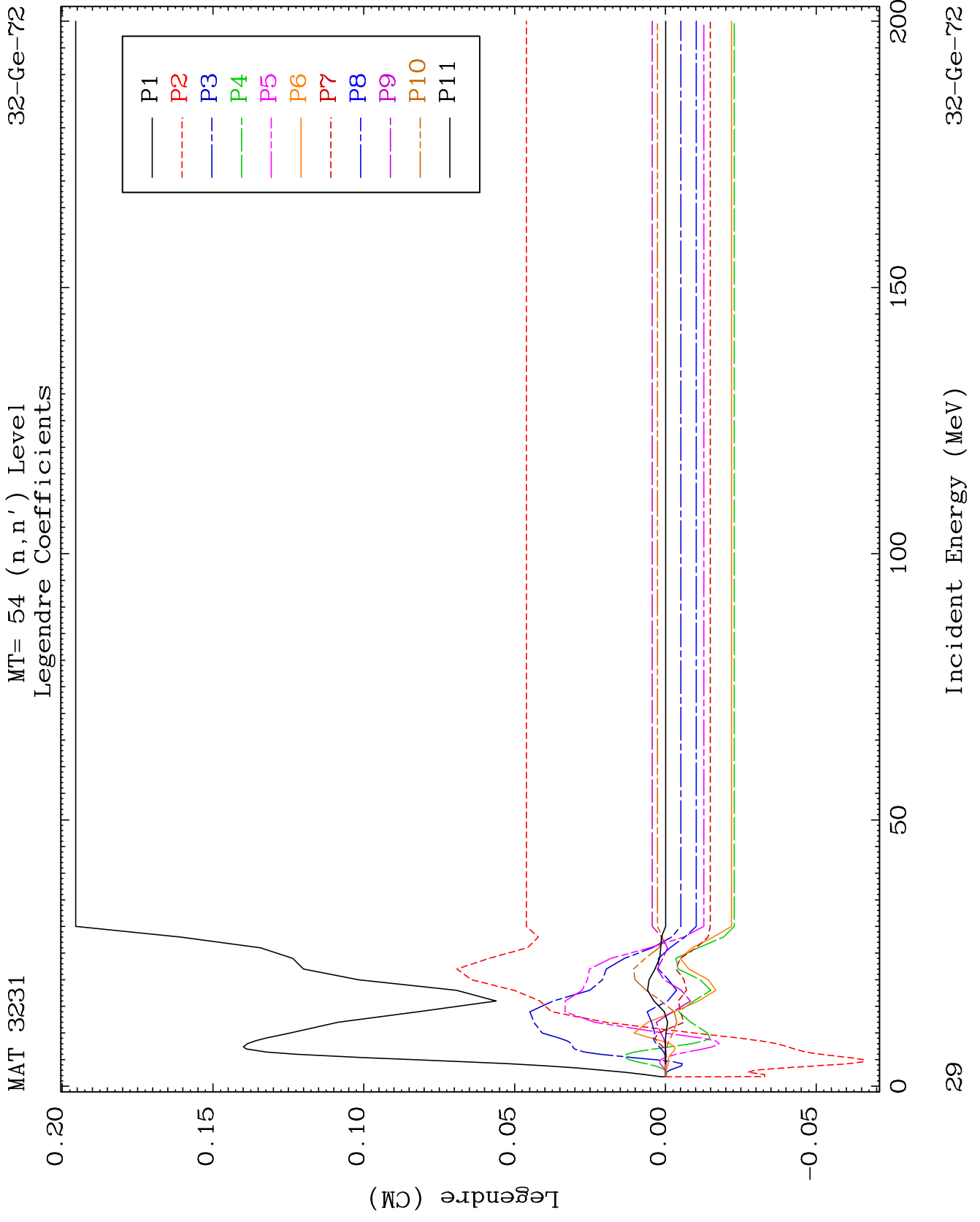
32-Ge-72



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Incident Energy (MeV)

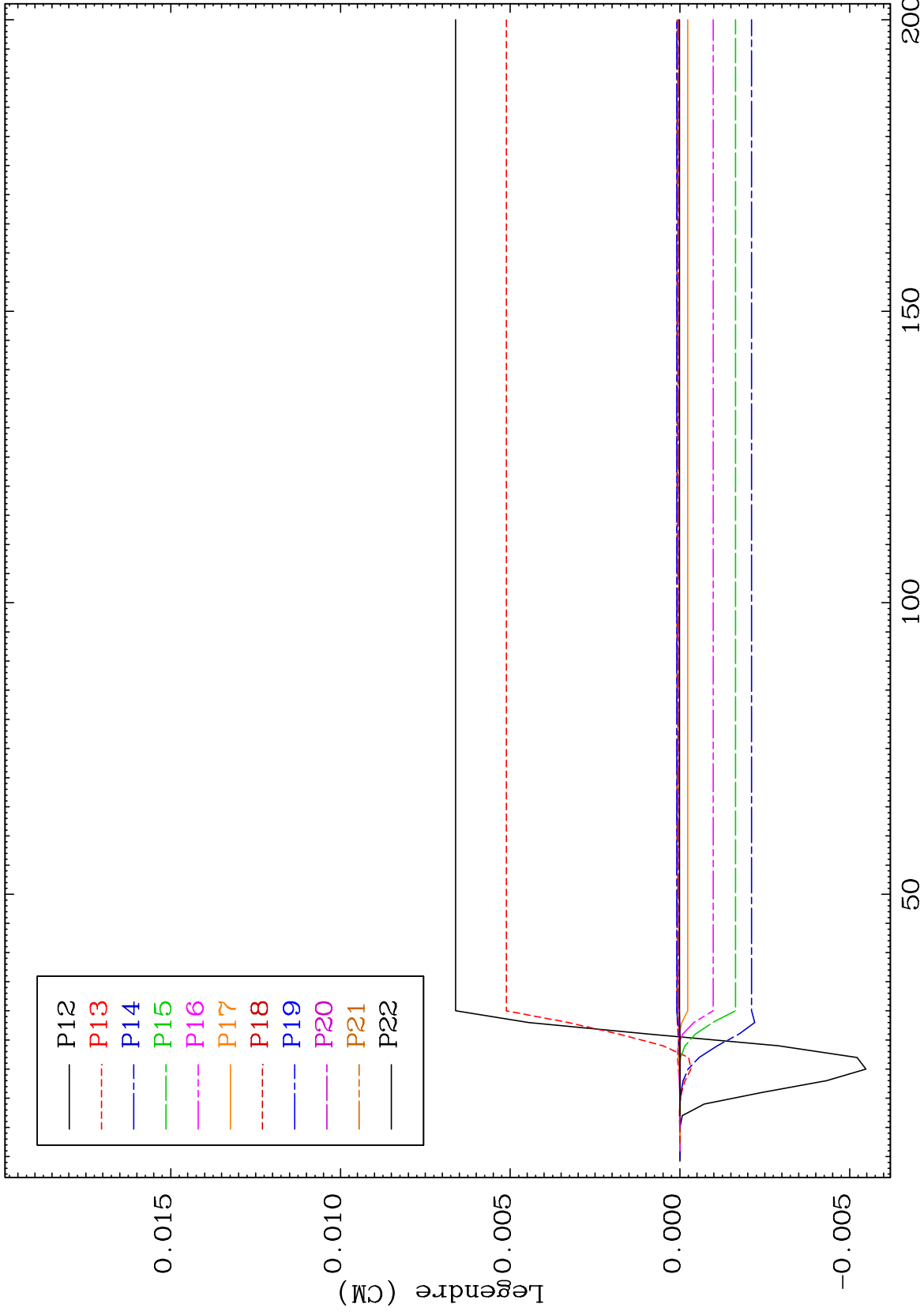
32-Ge-72



MAT 3231

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

32-Ge-72



30

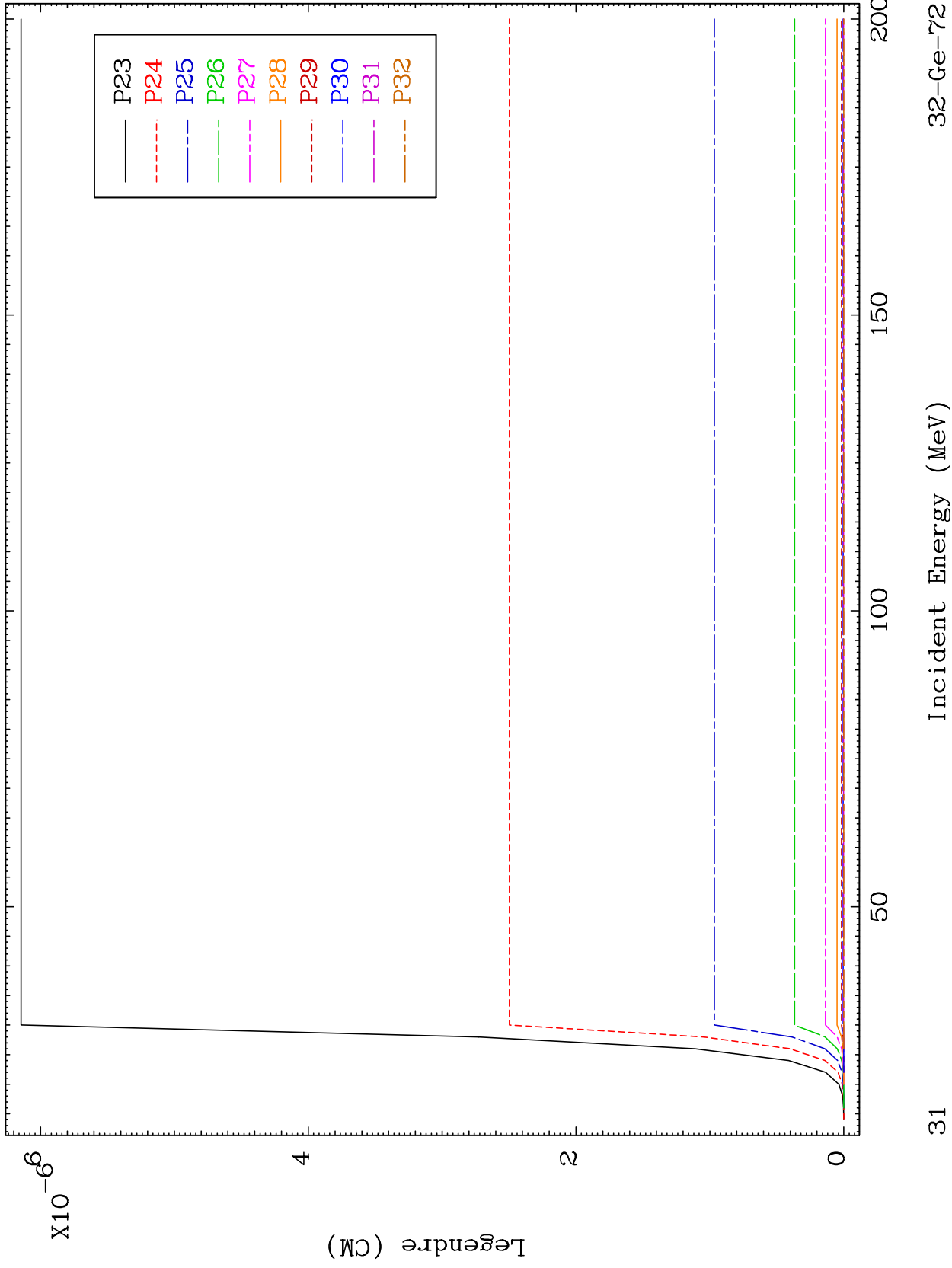
Incident Energy (MeV)

32-Ge-72

MAT 3231

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

32-Ge-72



31

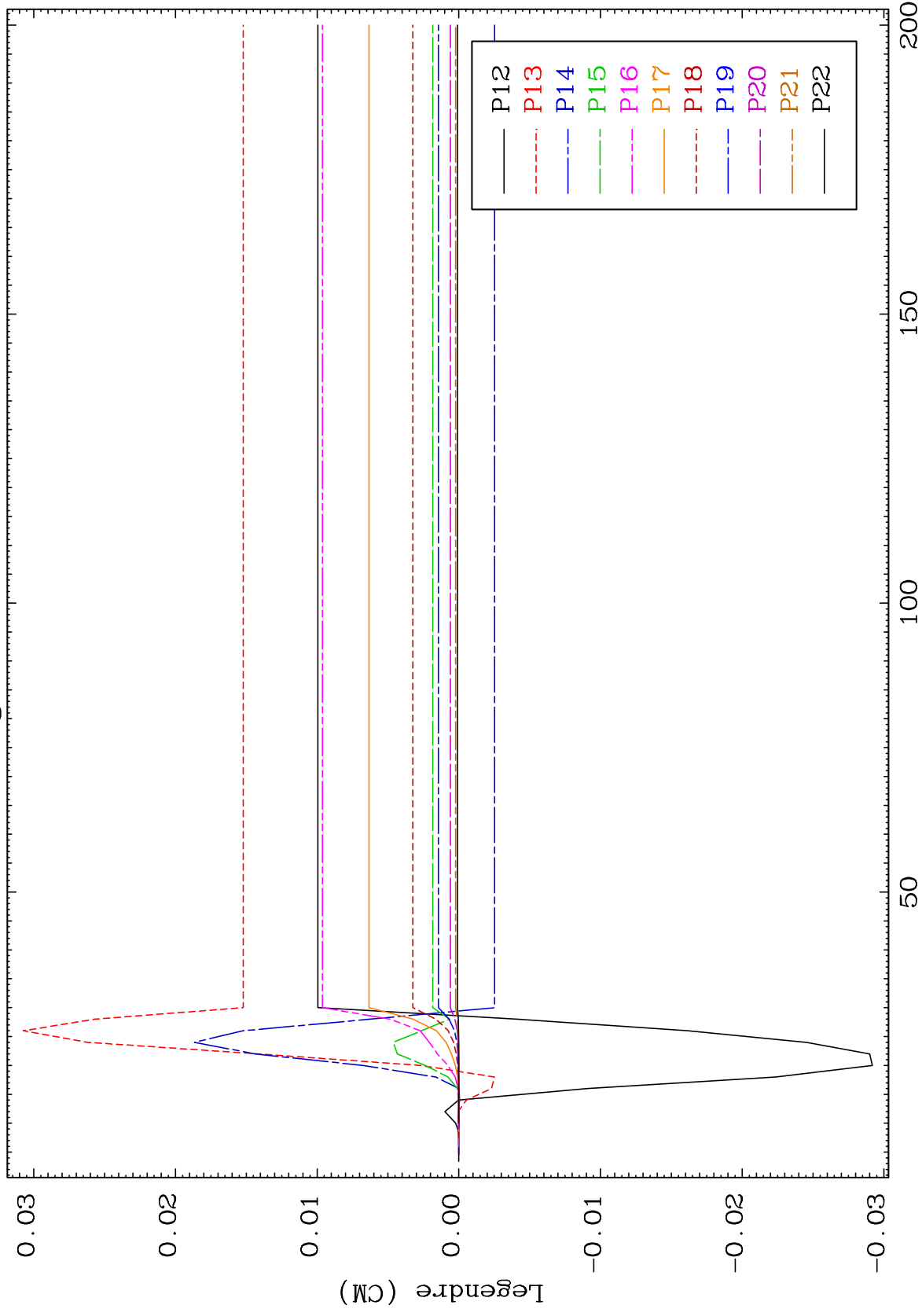
Incident Energy (MeV)

32-Ge-72

MAT 3231

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

32-Ge-72



33

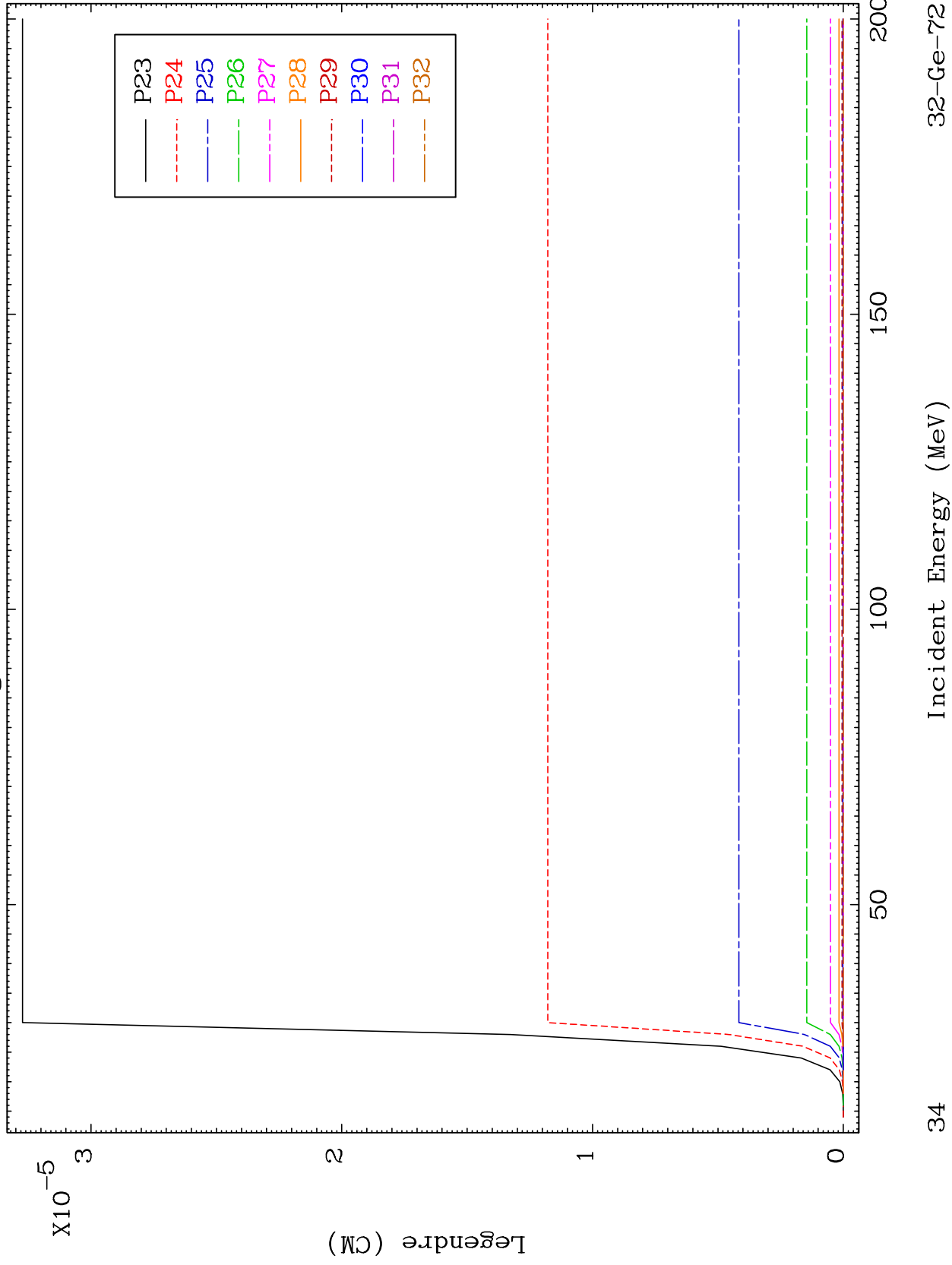
Incident Energy (MeV)

32-Ge-72

MAT 3231

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

32-Ge-72



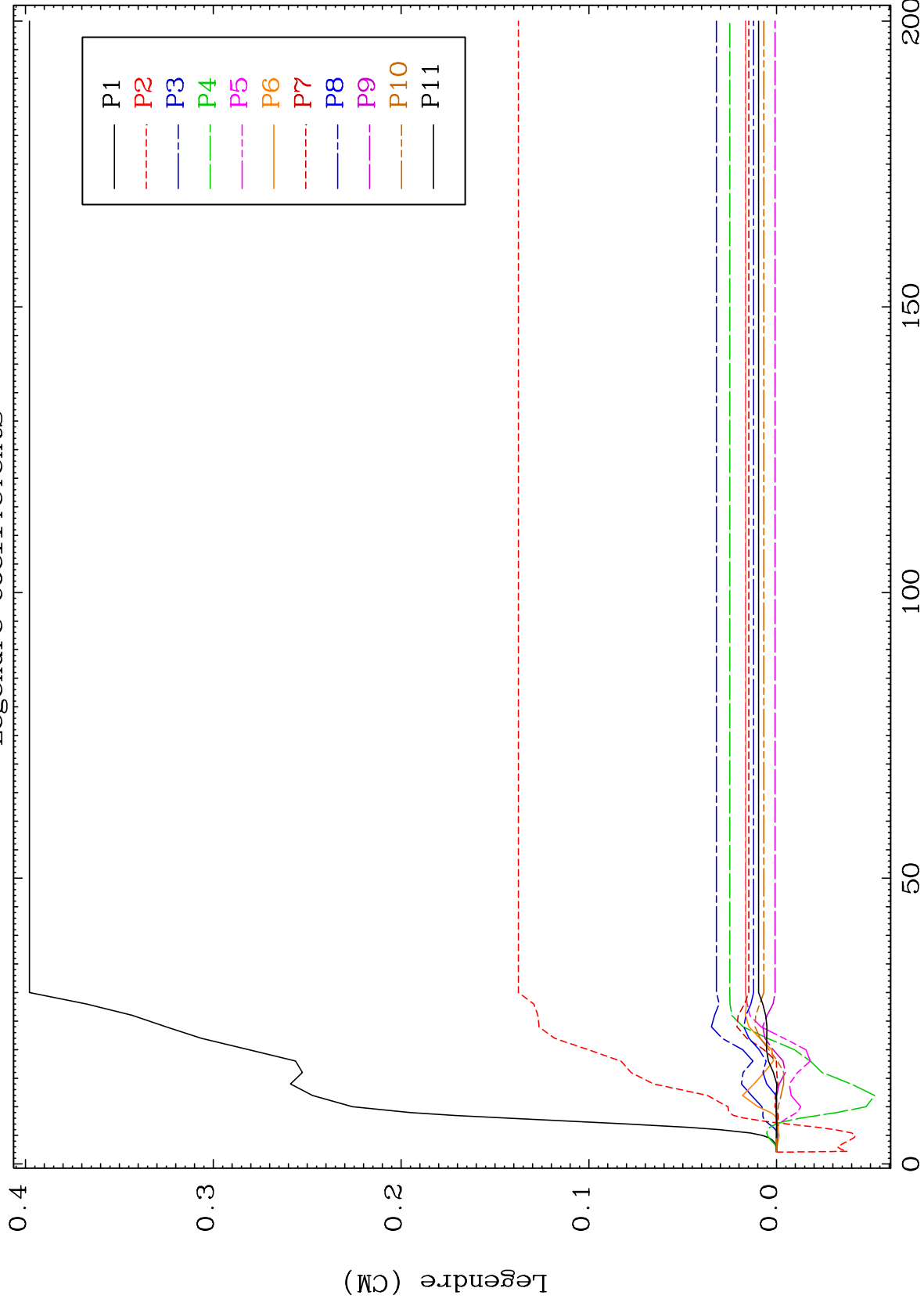
34

32-Ge-72

MAT 3231

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

32-Ge-72



32-Ge-72

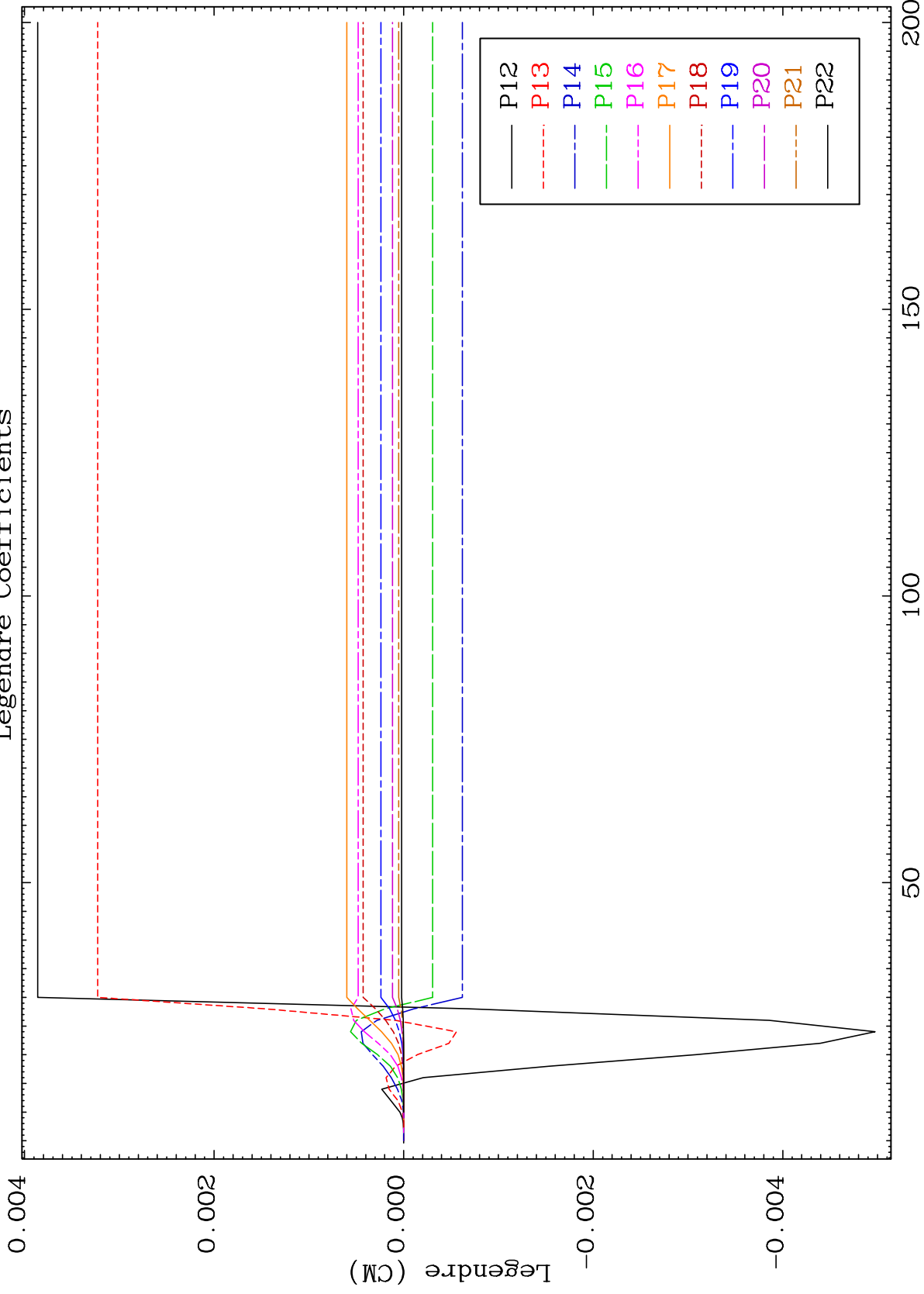
Incident Energy (MeV)

35

MAT 3231

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

32-Ge-72



36

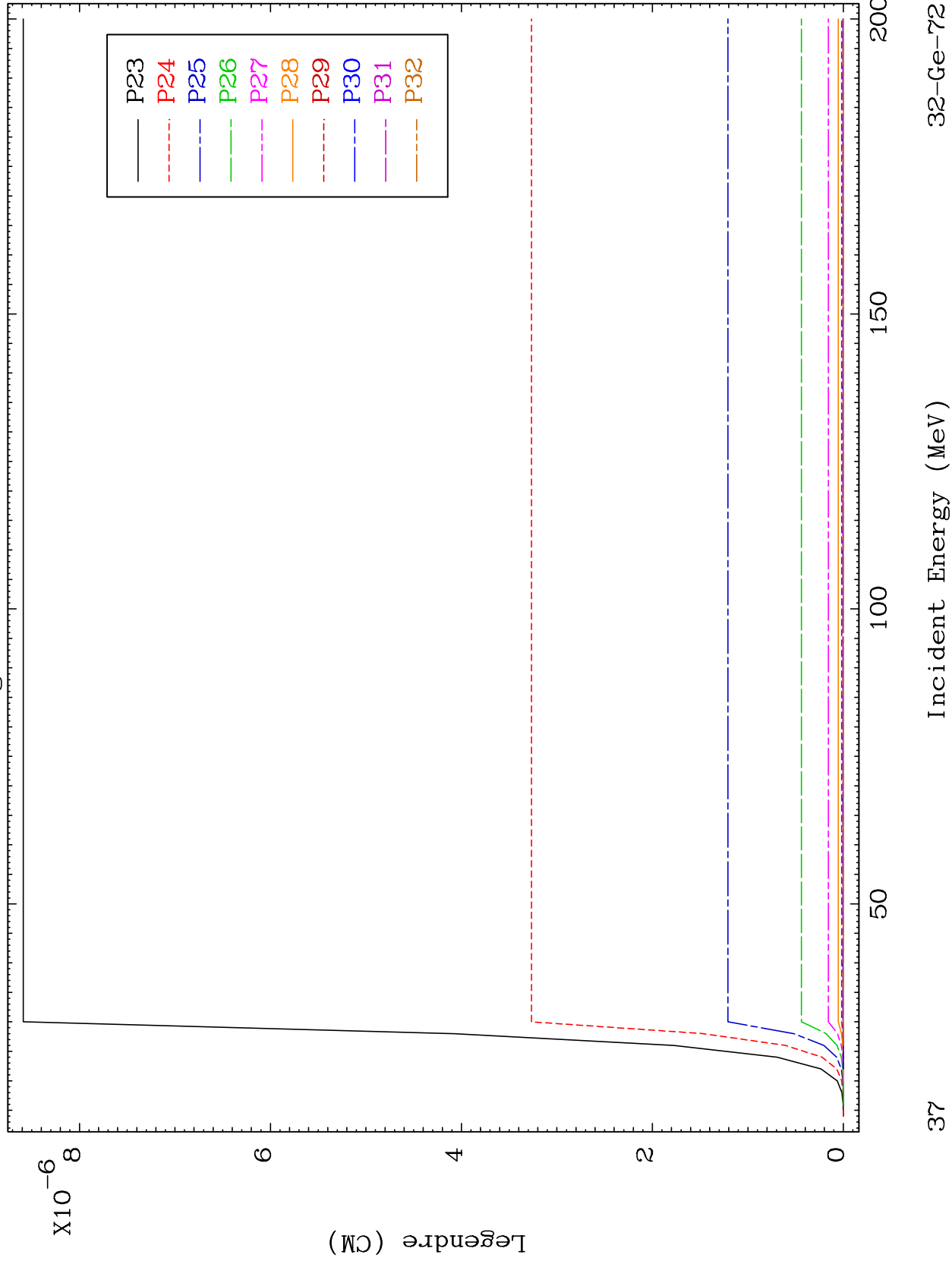
Incident Energy (MeV)

32-Ge-72

MAT 3231

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

32-Ge-72



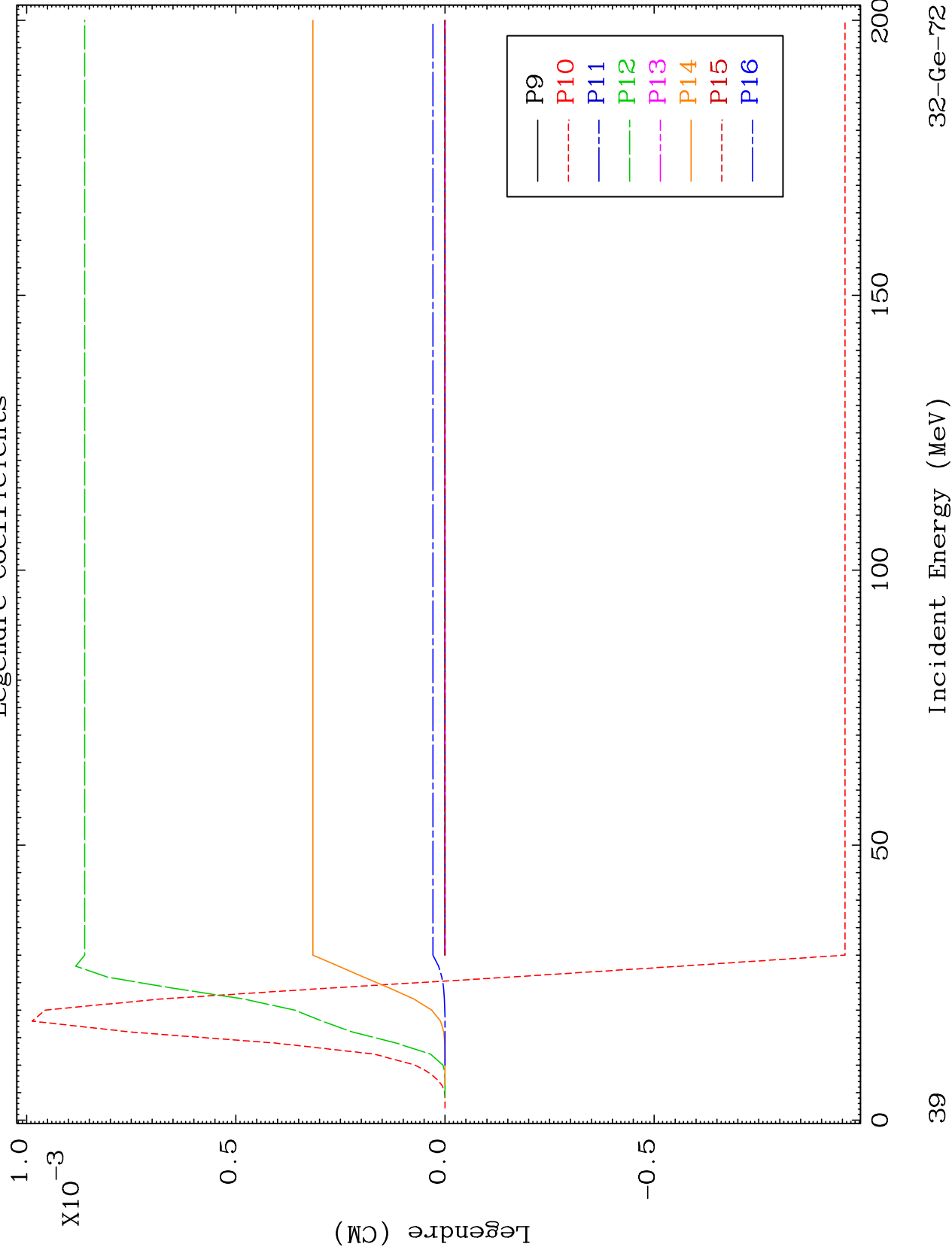
37

32-Ge-72

MAT 3231

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

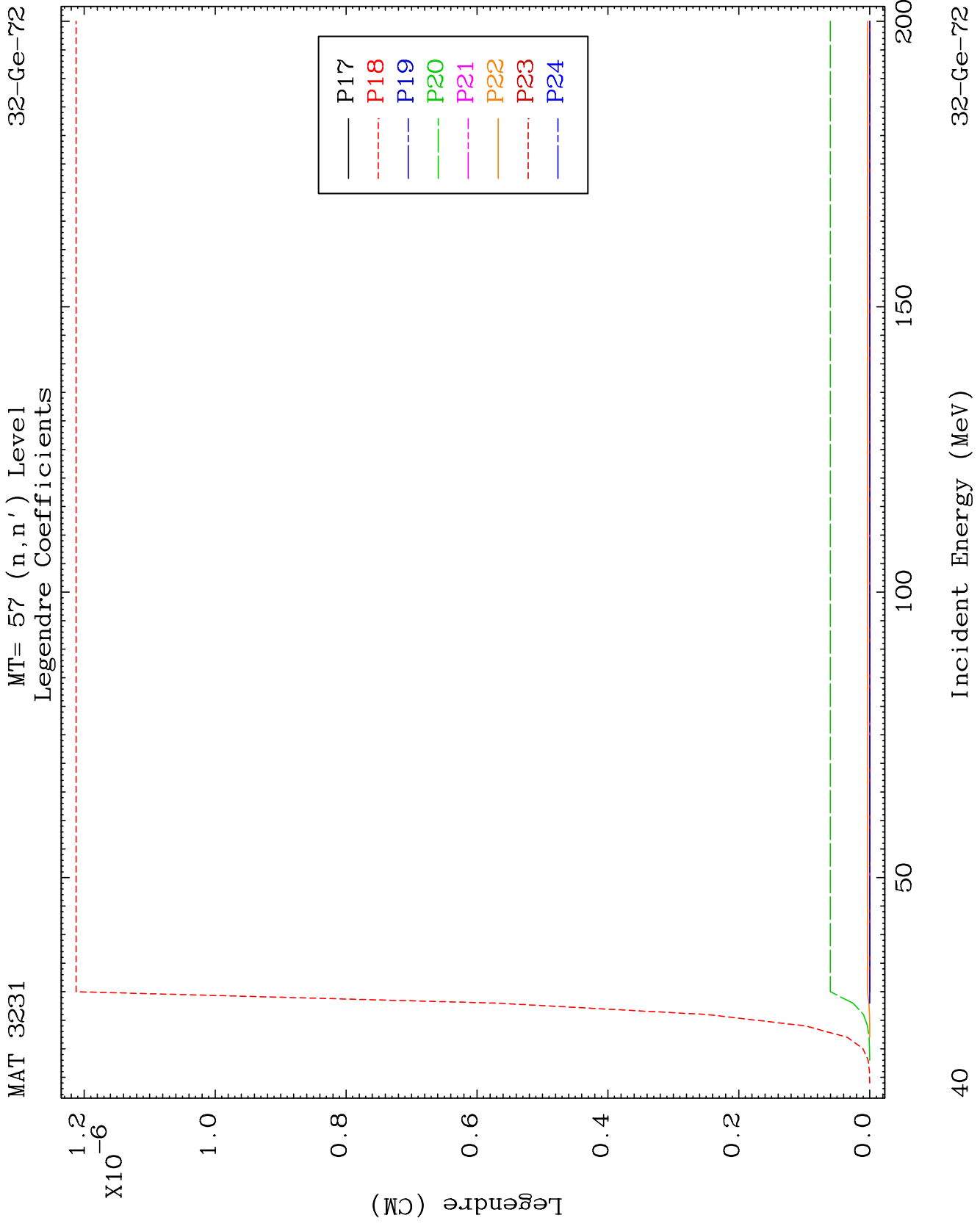
32-Ge-72



39

Incident Energy (MeV)

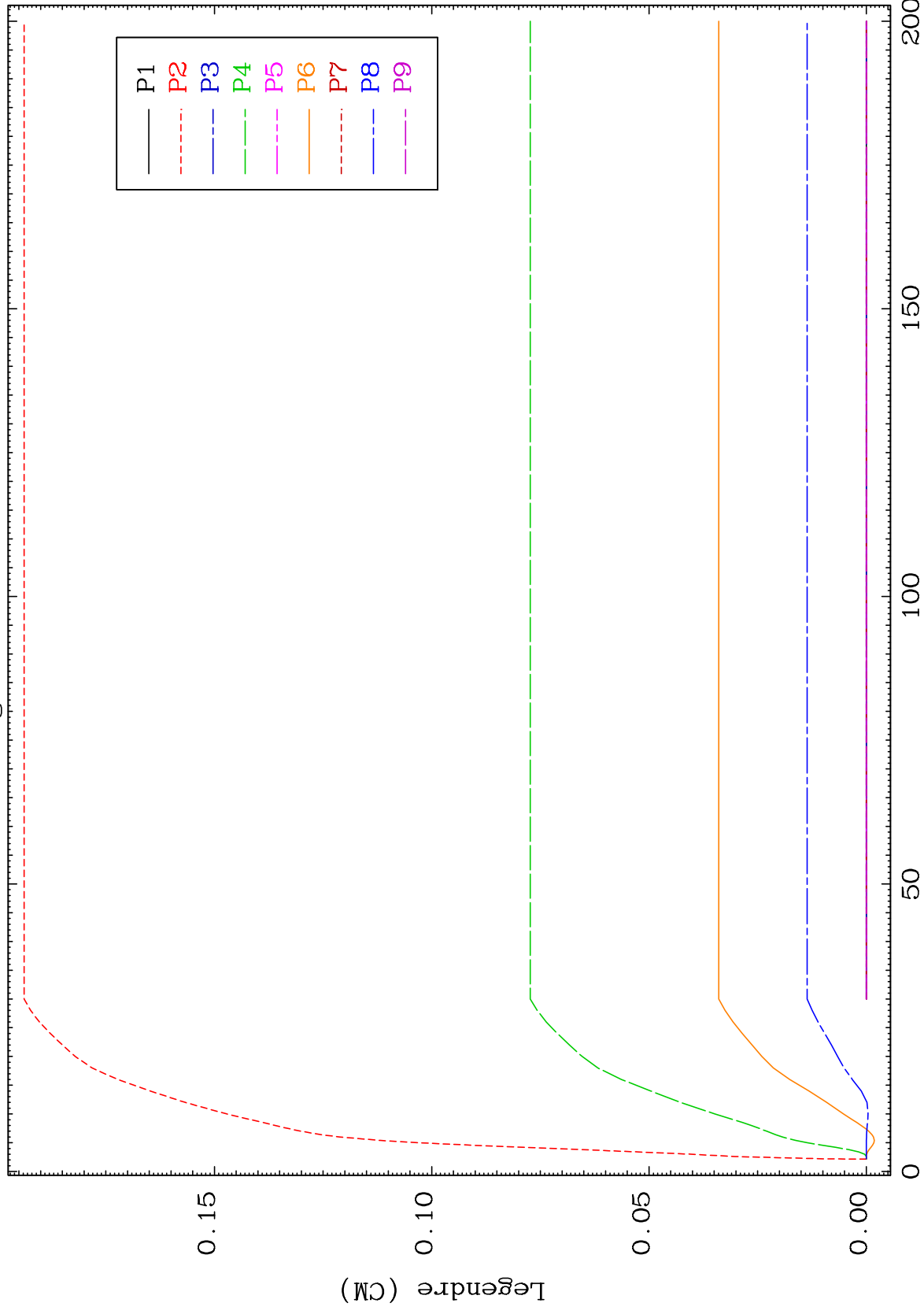
32-Ge-72



MAT 3231

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

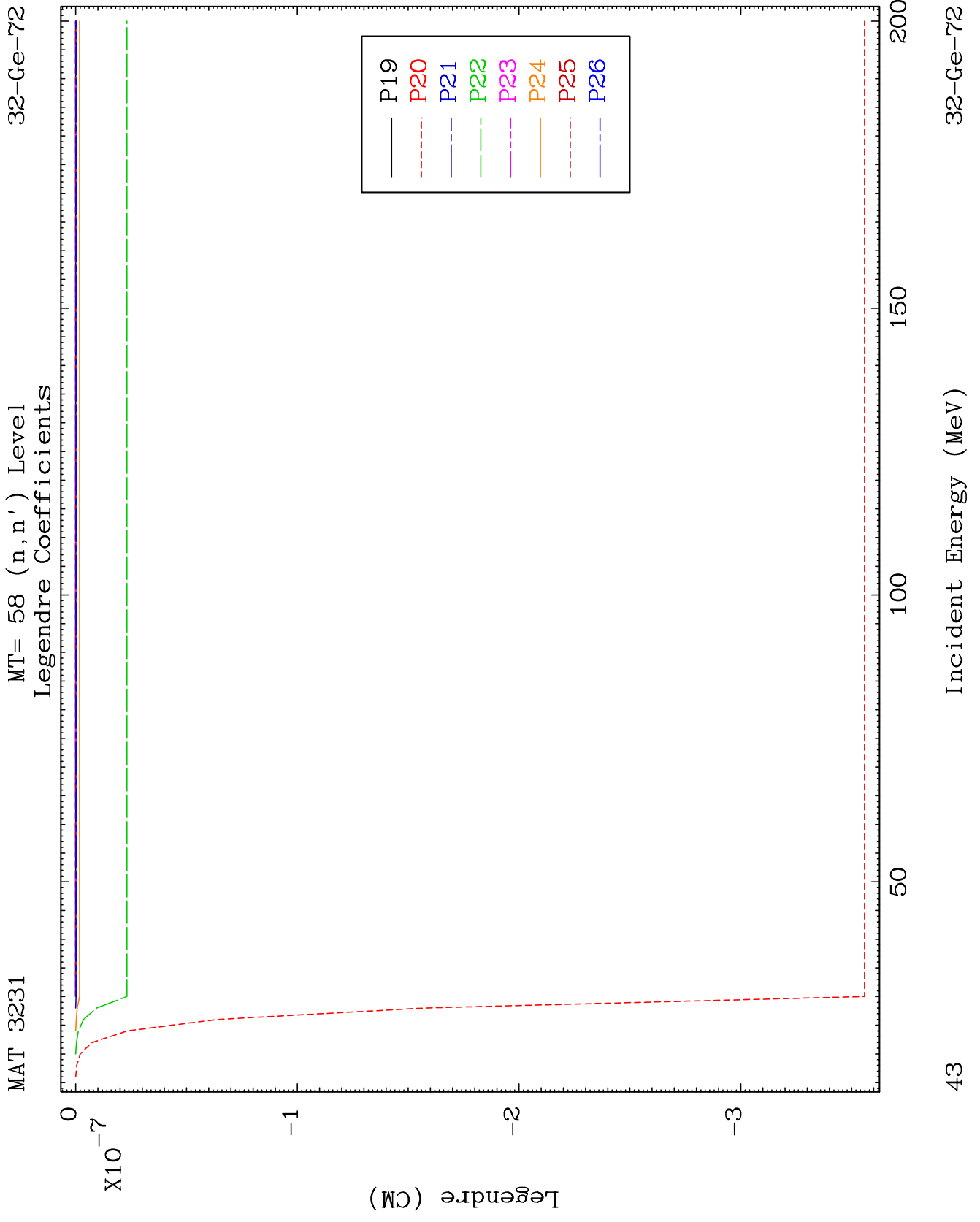
32-Ge-72



41

Incident Energy (MeV)

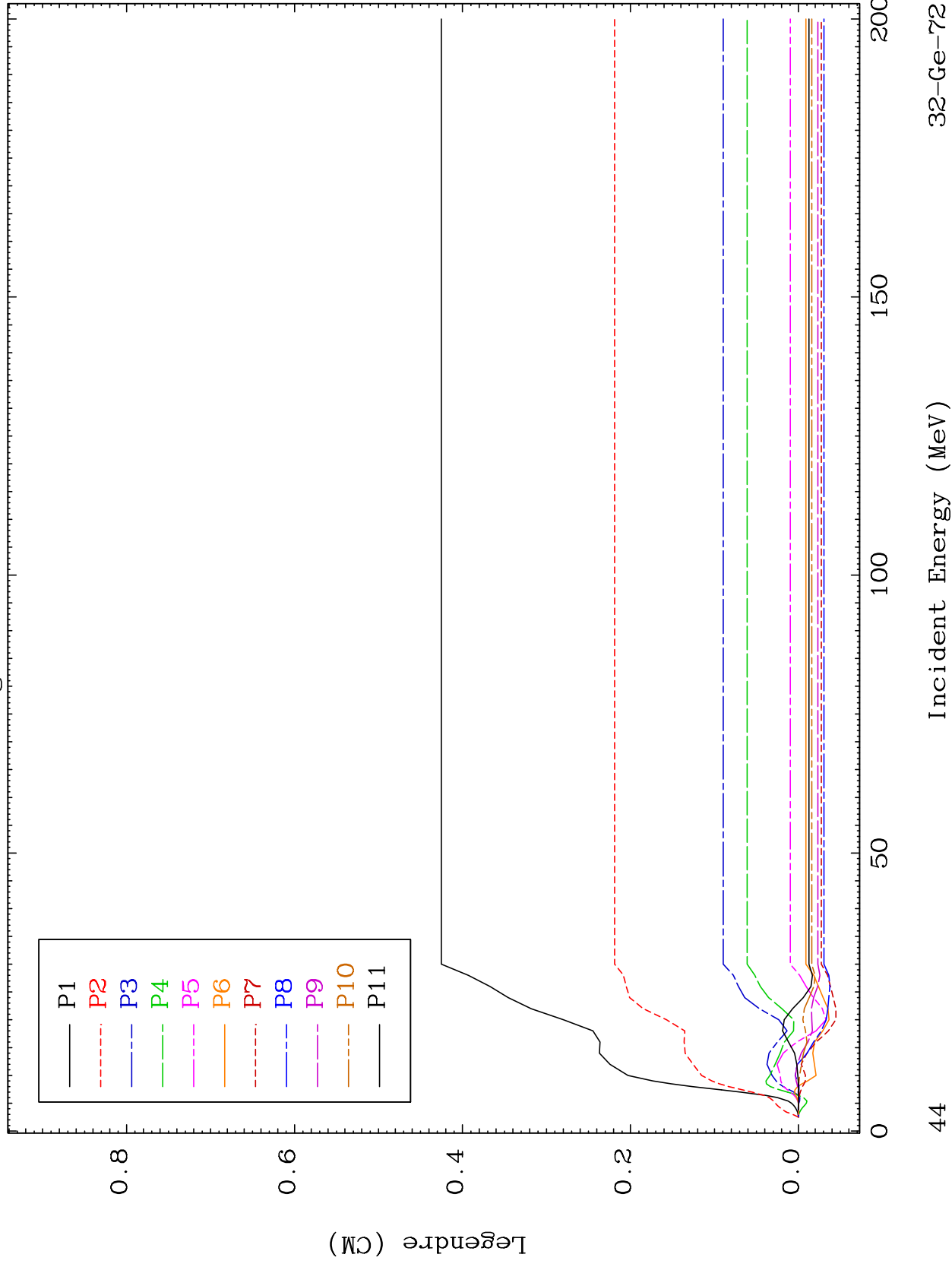
32-Ge-72



MAT 3231

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

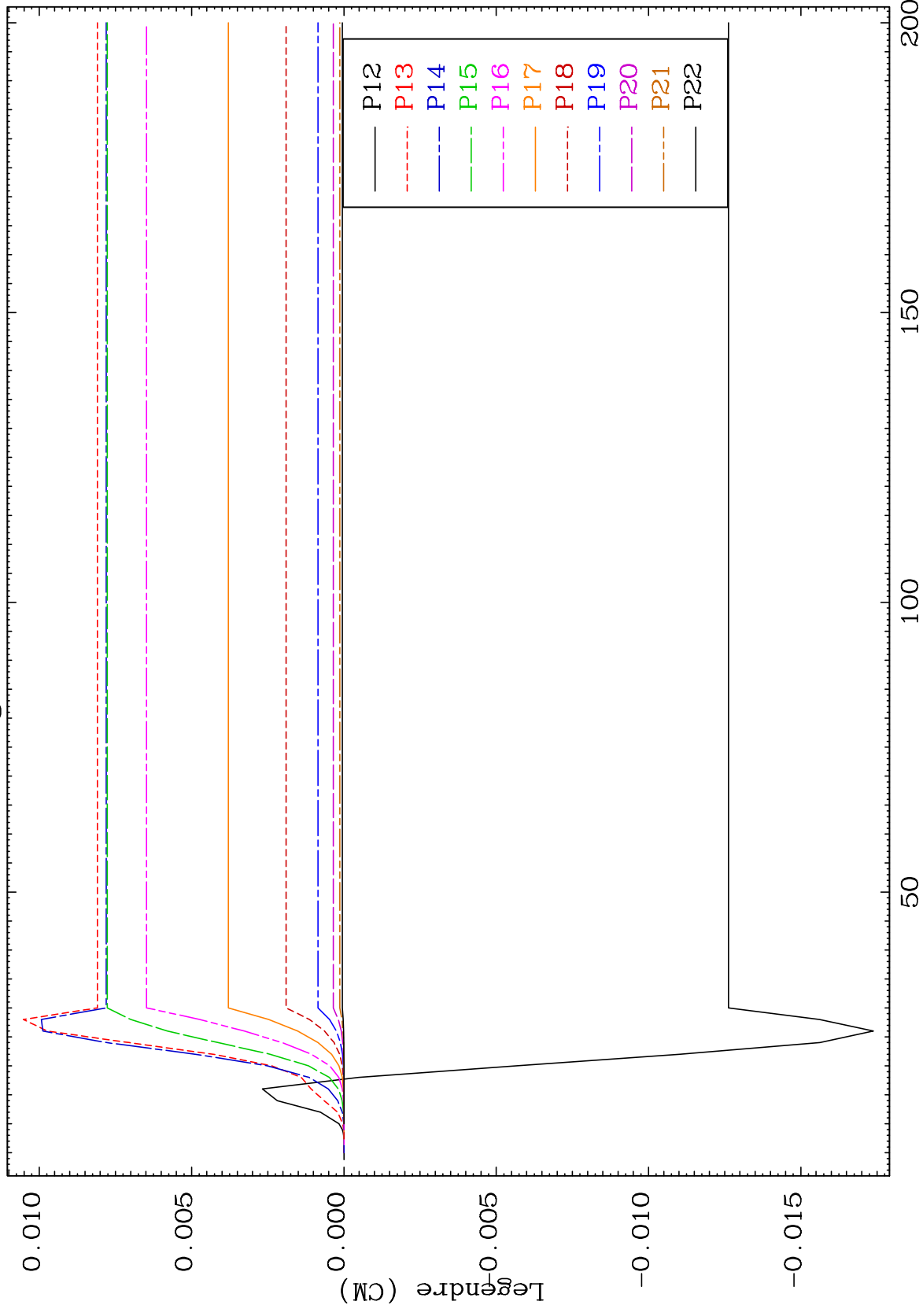
³²Ge-72



MAT 3231

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

32-Ge-72



45

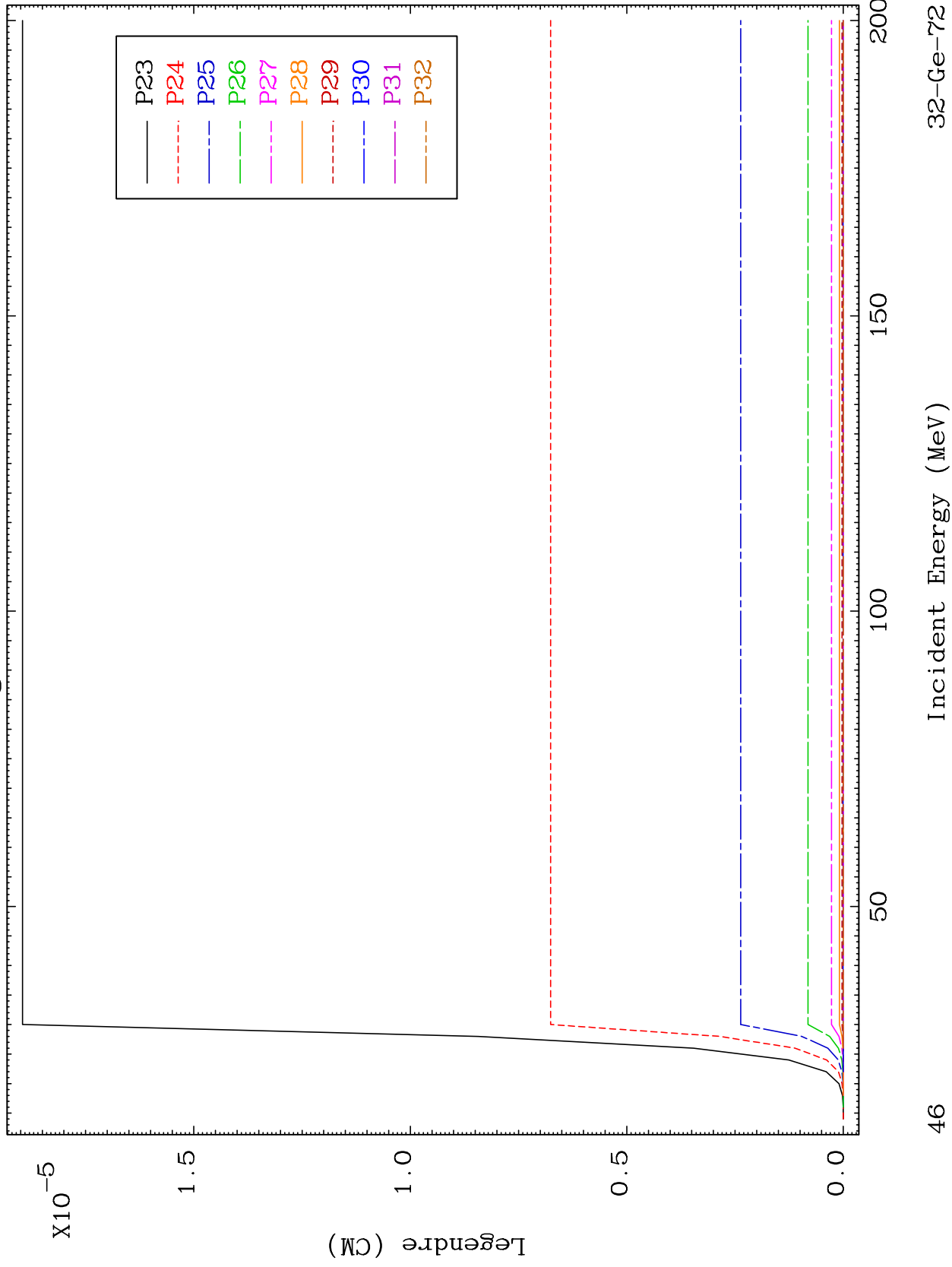
Incident Energy (MeV)

32-Ge-72

MAT 3231

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

32-Ge-72



46

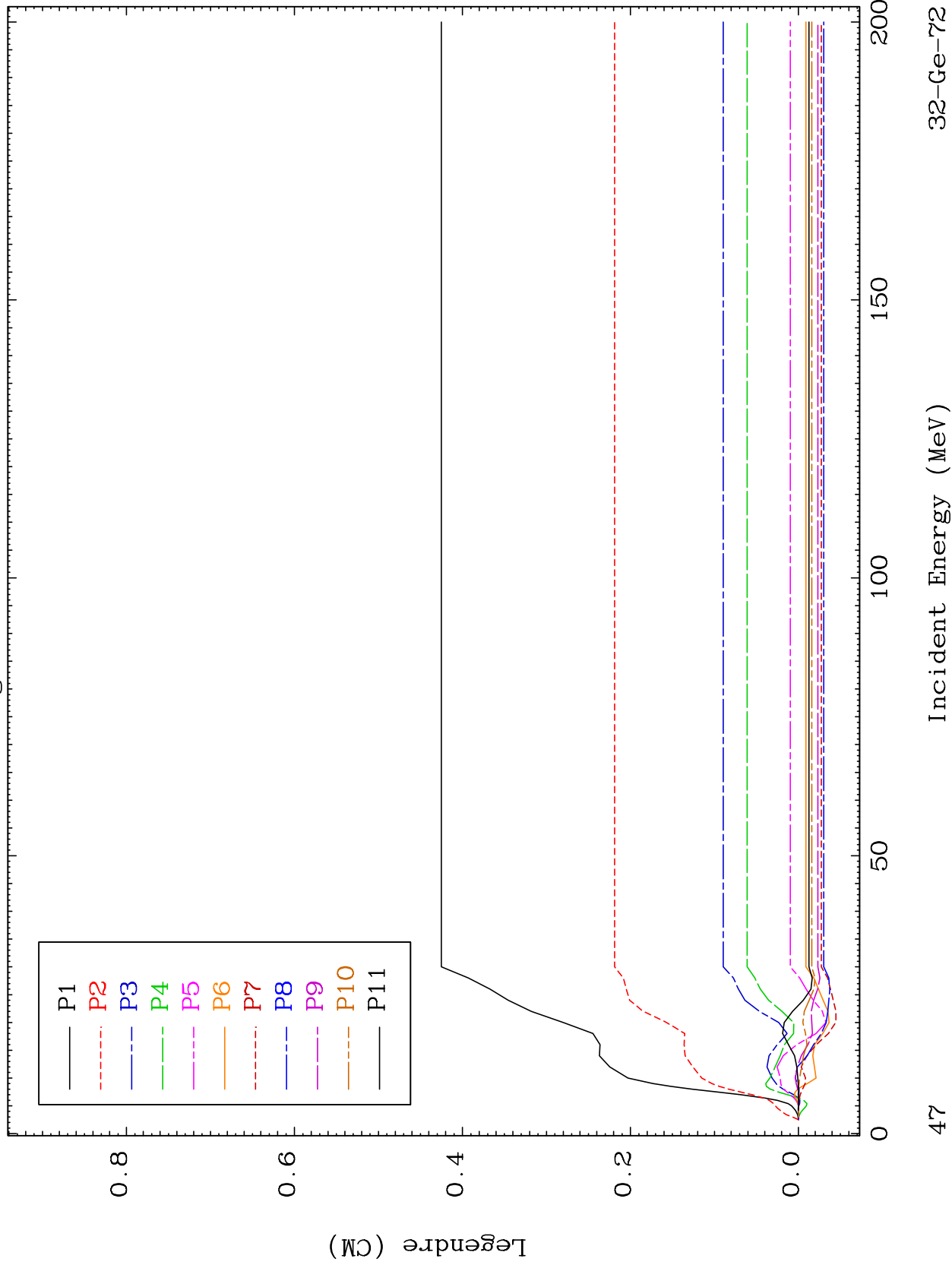
Incident Energy (MeV)

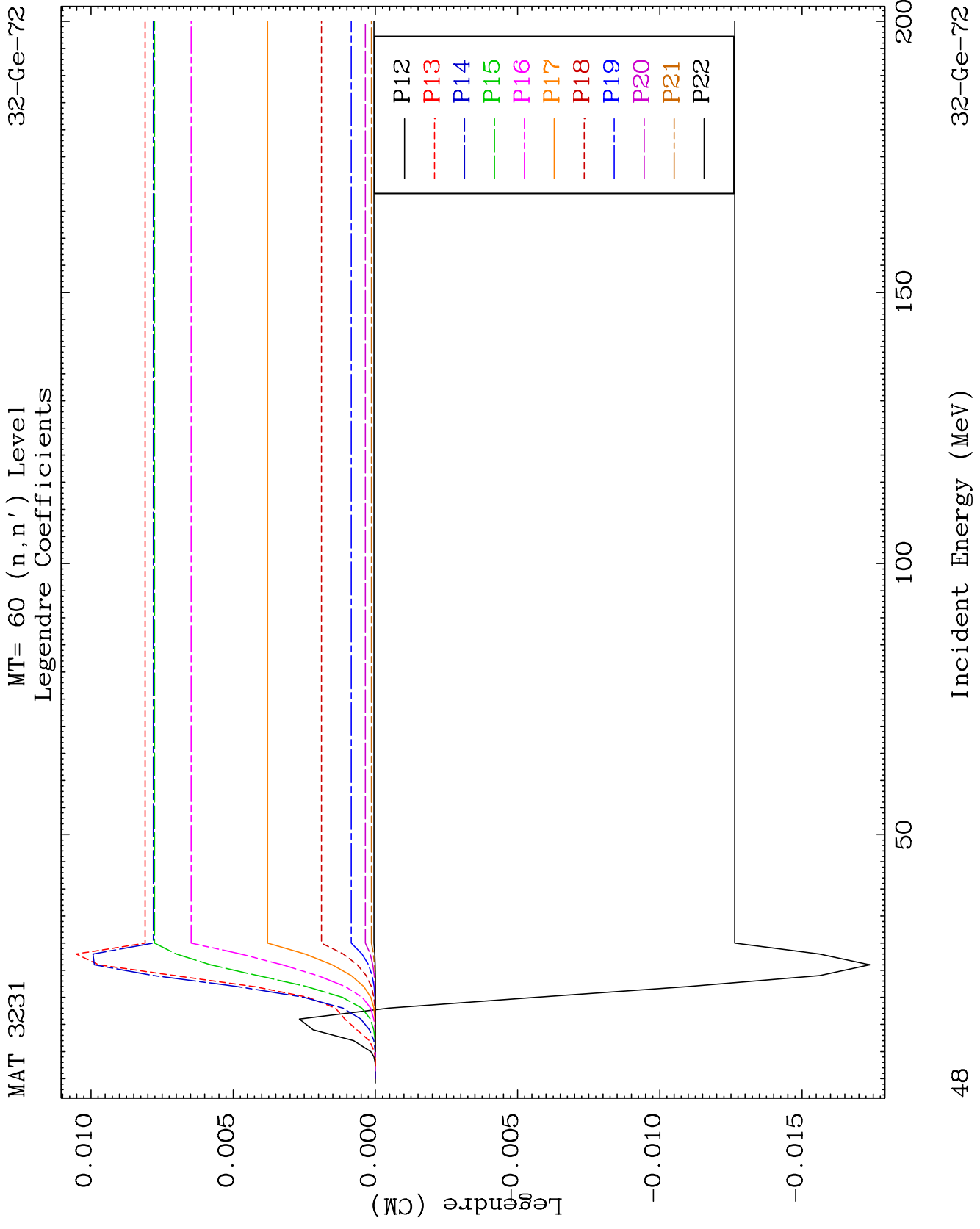
32-Ge-72

MAT 3231

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

³²Ge-72

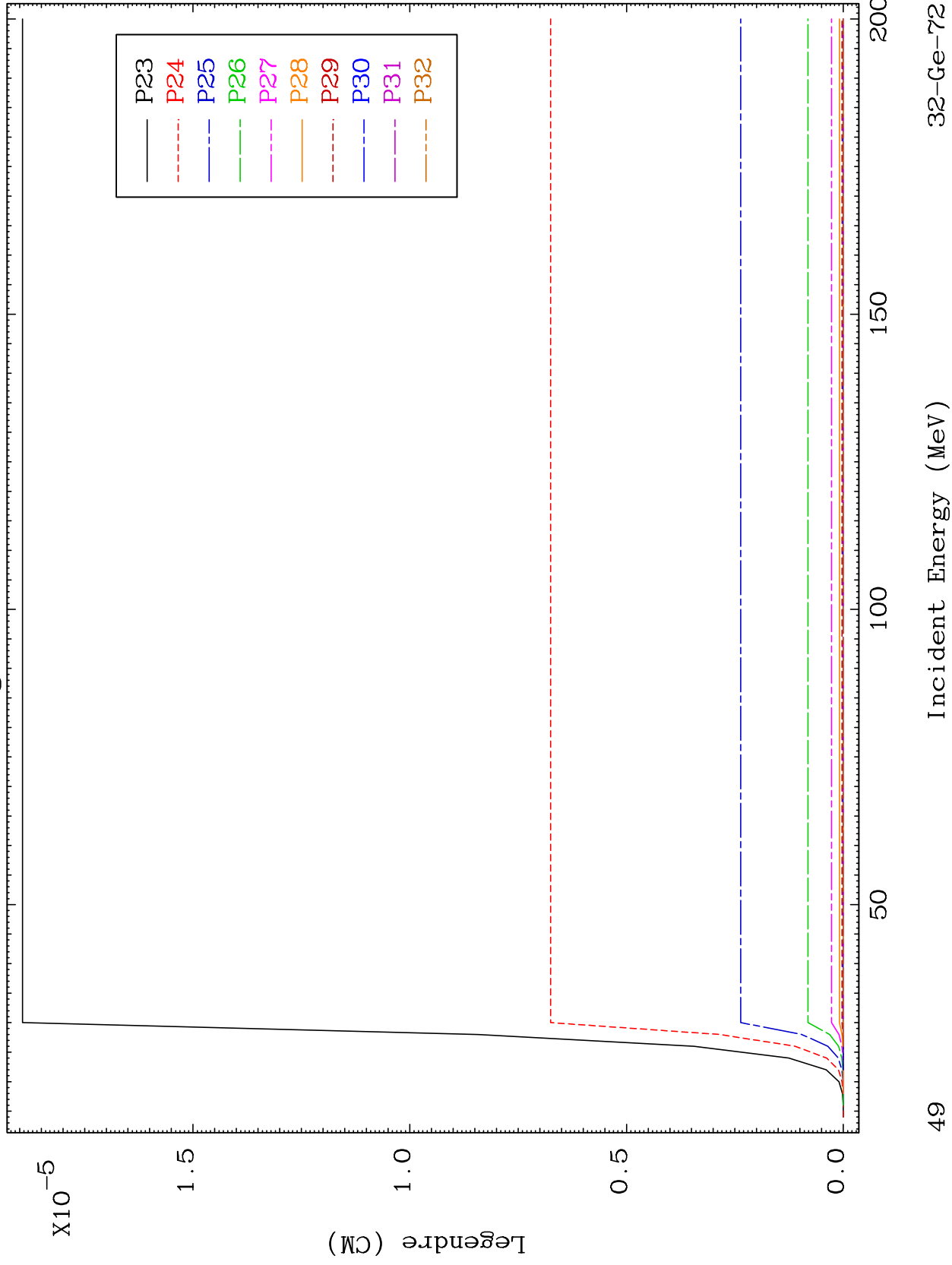




MAT 3231

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

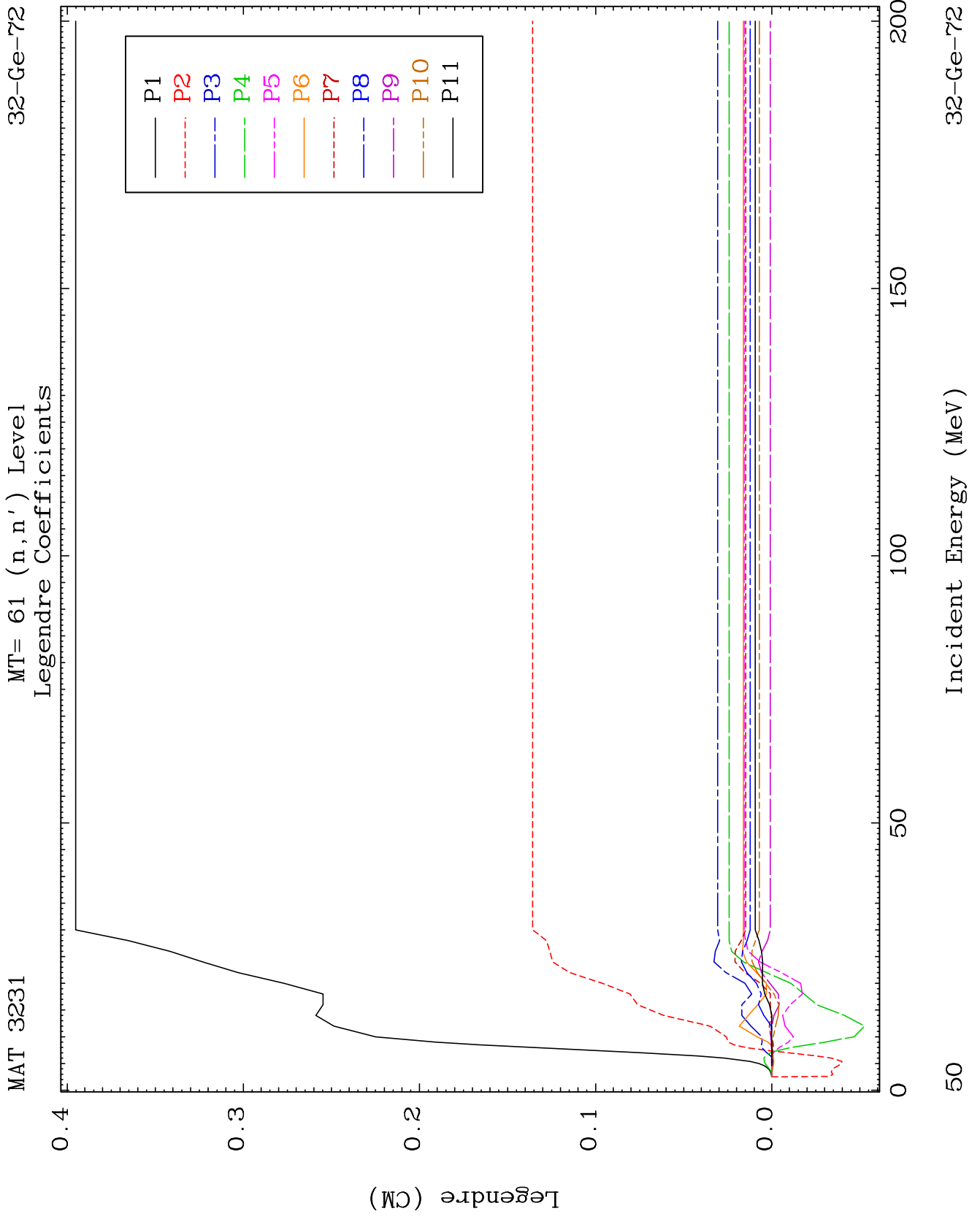
32-Ge-72



49

Incident Energy (MeV)

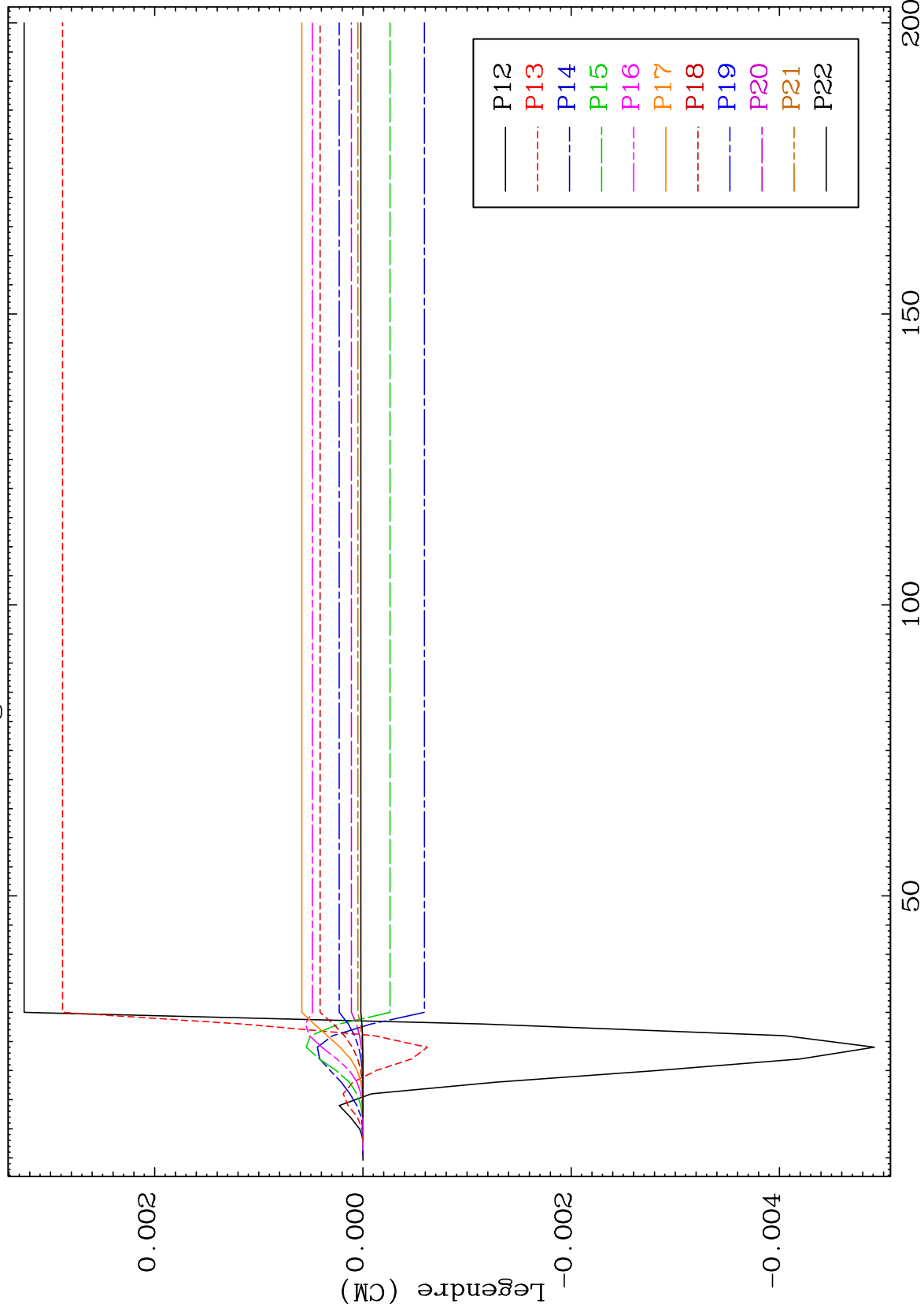
32-Ge-72



MAT 3231

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

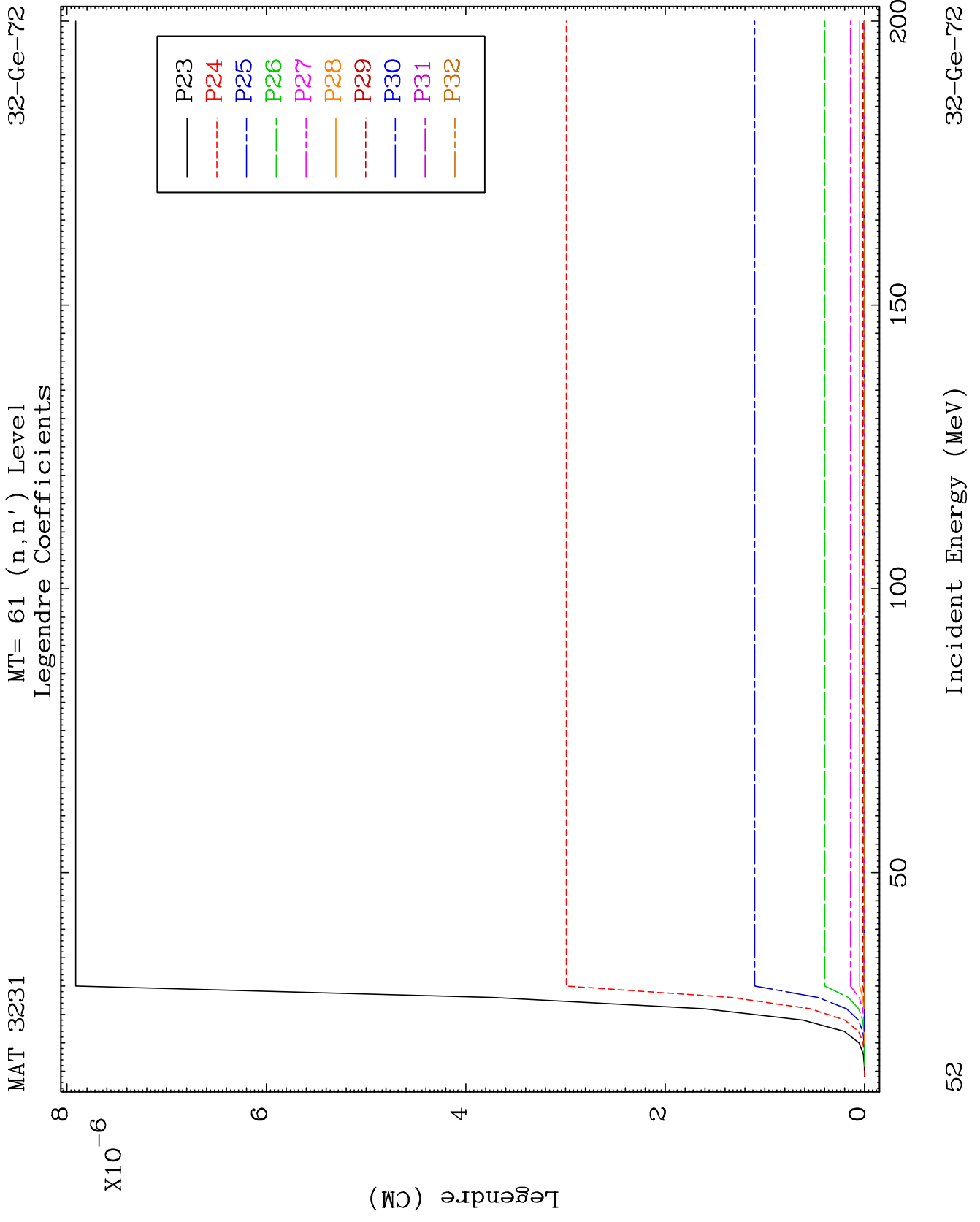
32-Ge-72



51

Incident Energy (MeV)

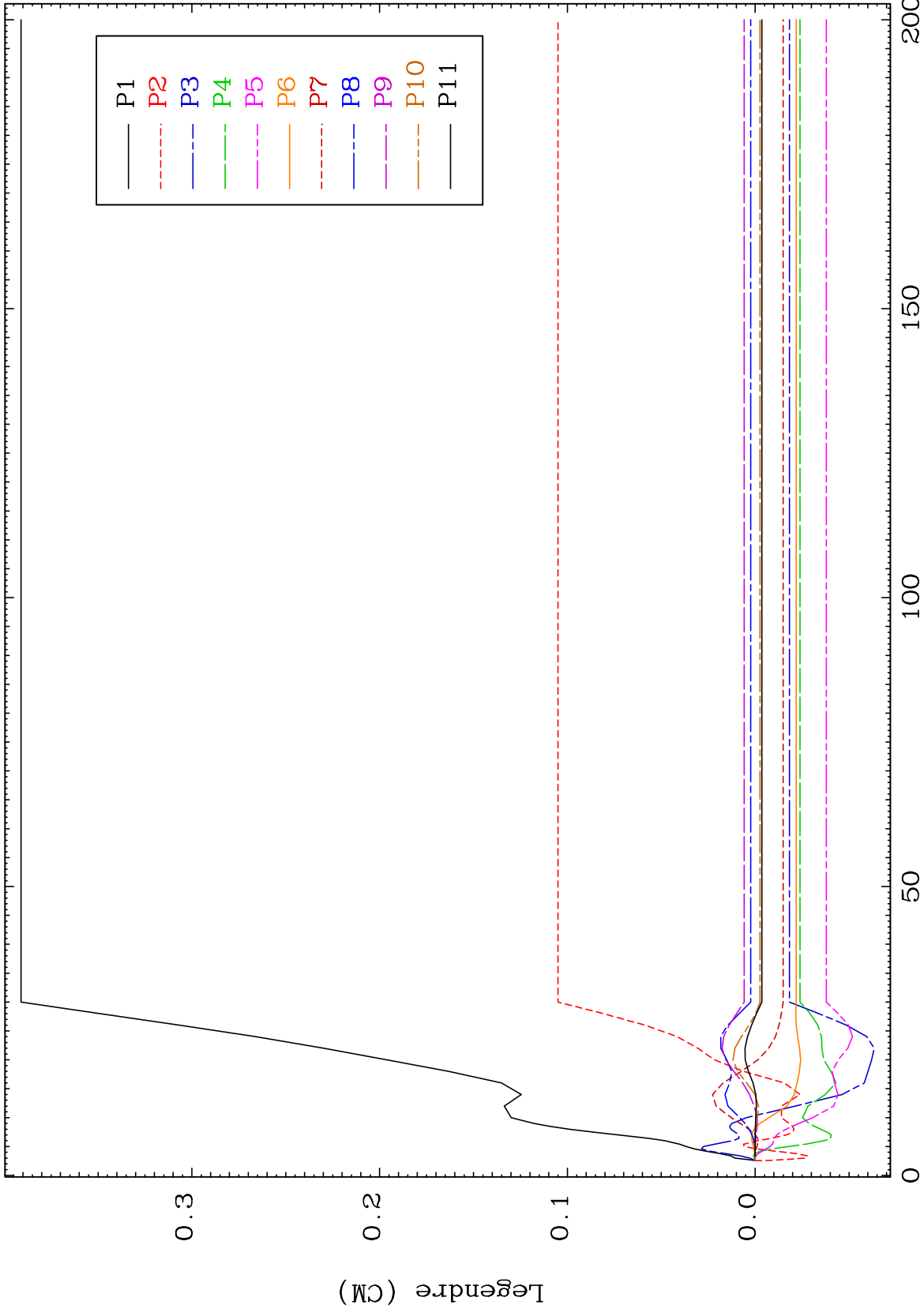
32-Ge-72



MAT 3231

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

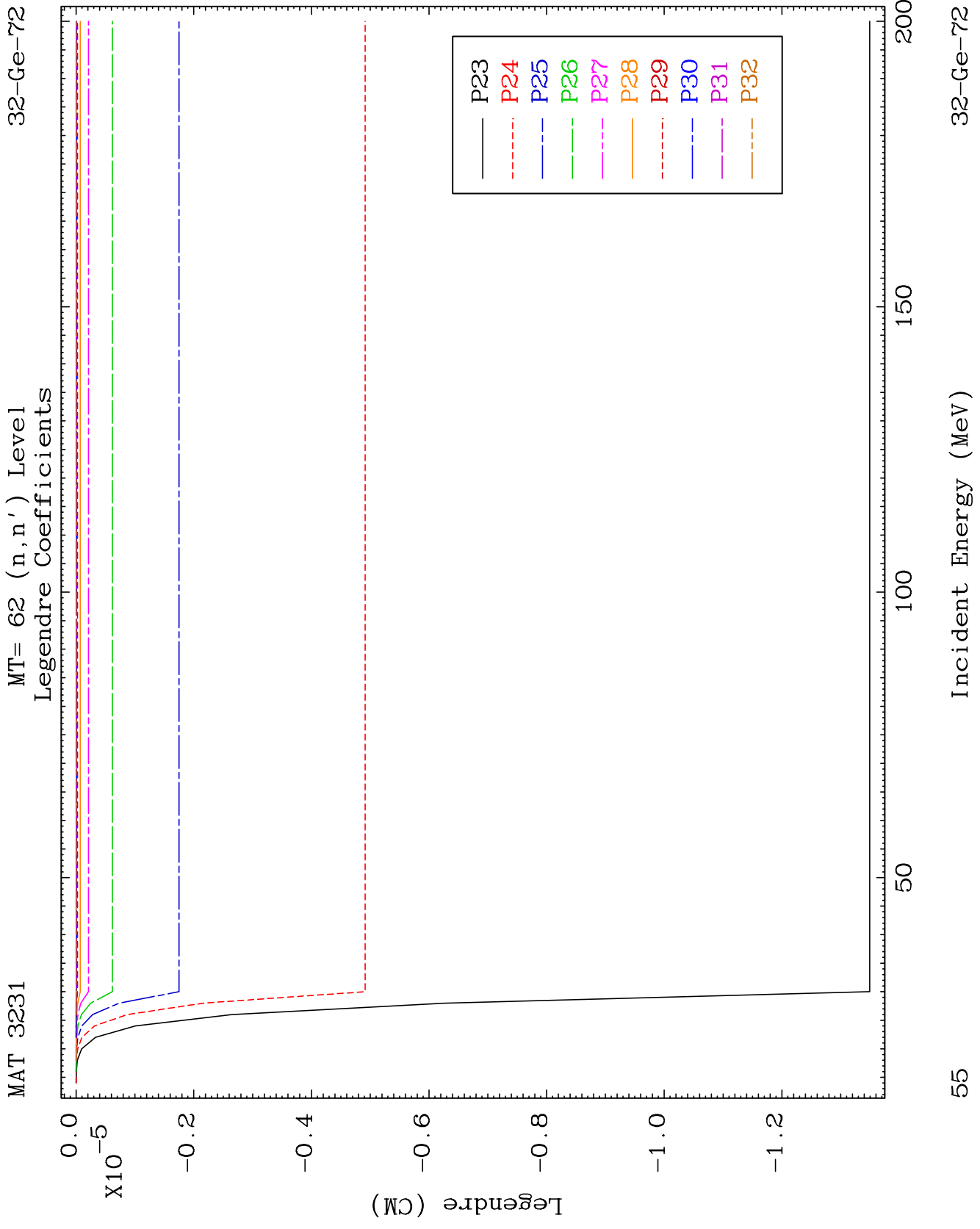
32-Ge-72



53

Incident Energy (MeV)

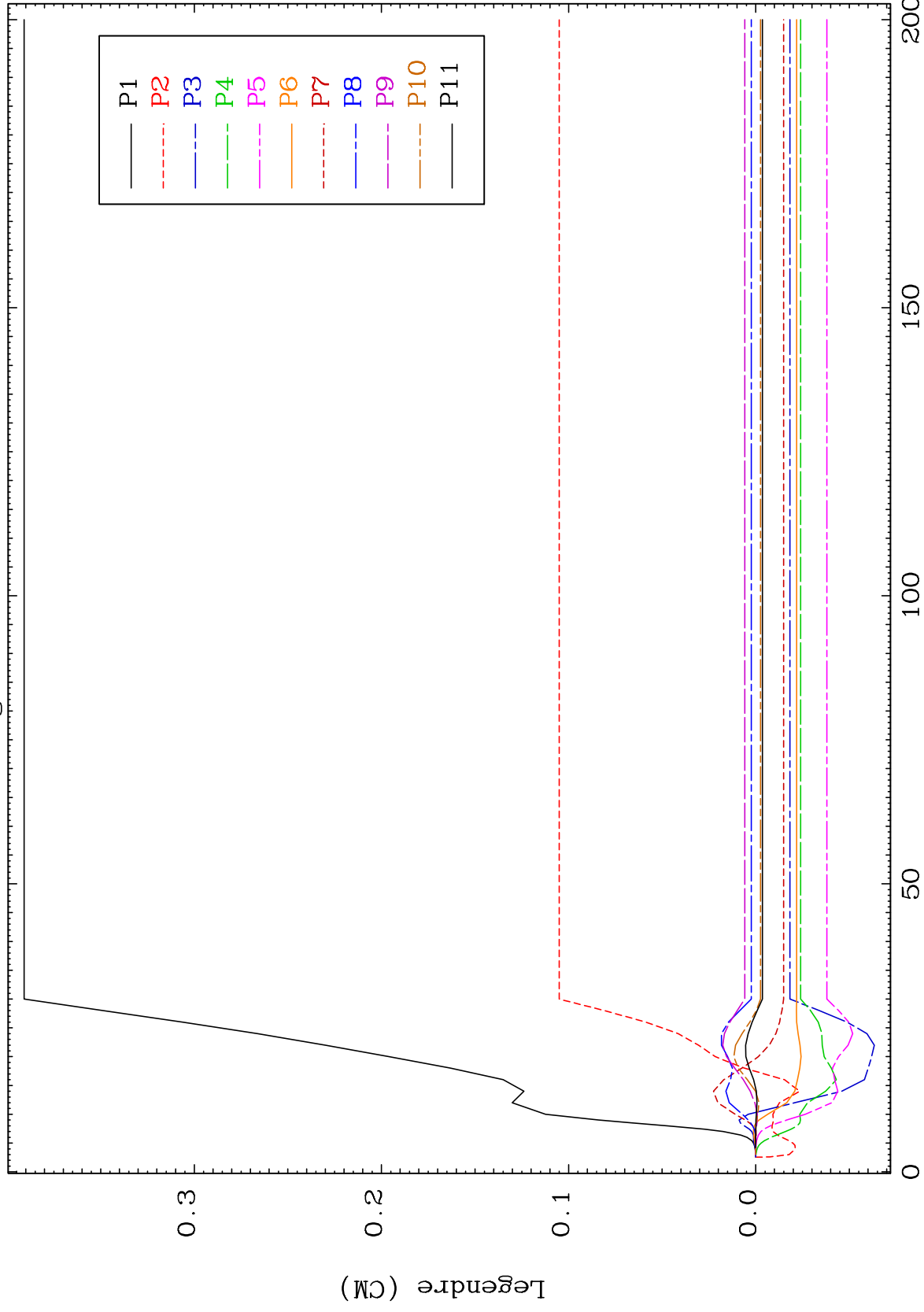
32-Ge-72



MAT 3231

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

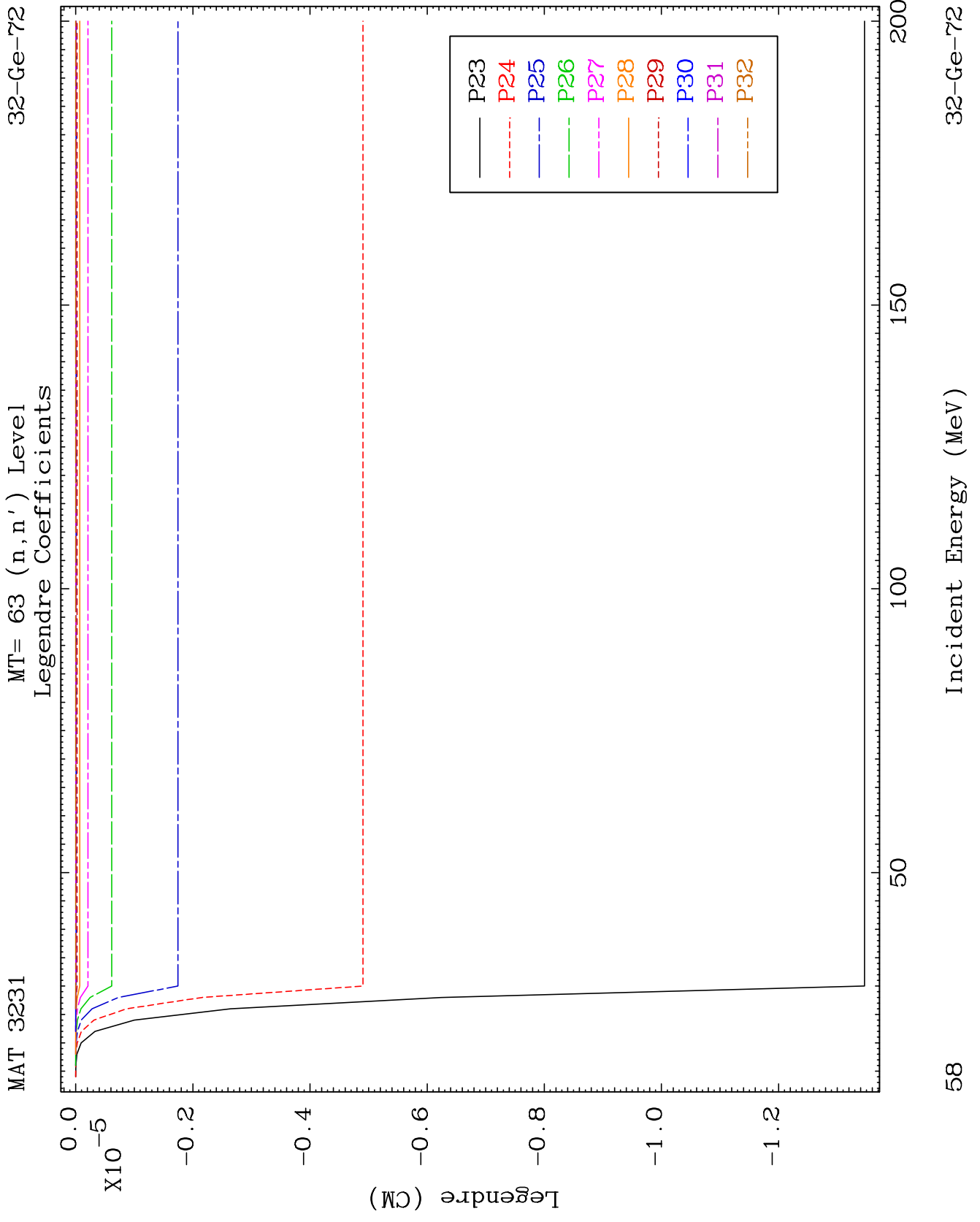
32-Ge-72



56

Incident Energy (MeV)

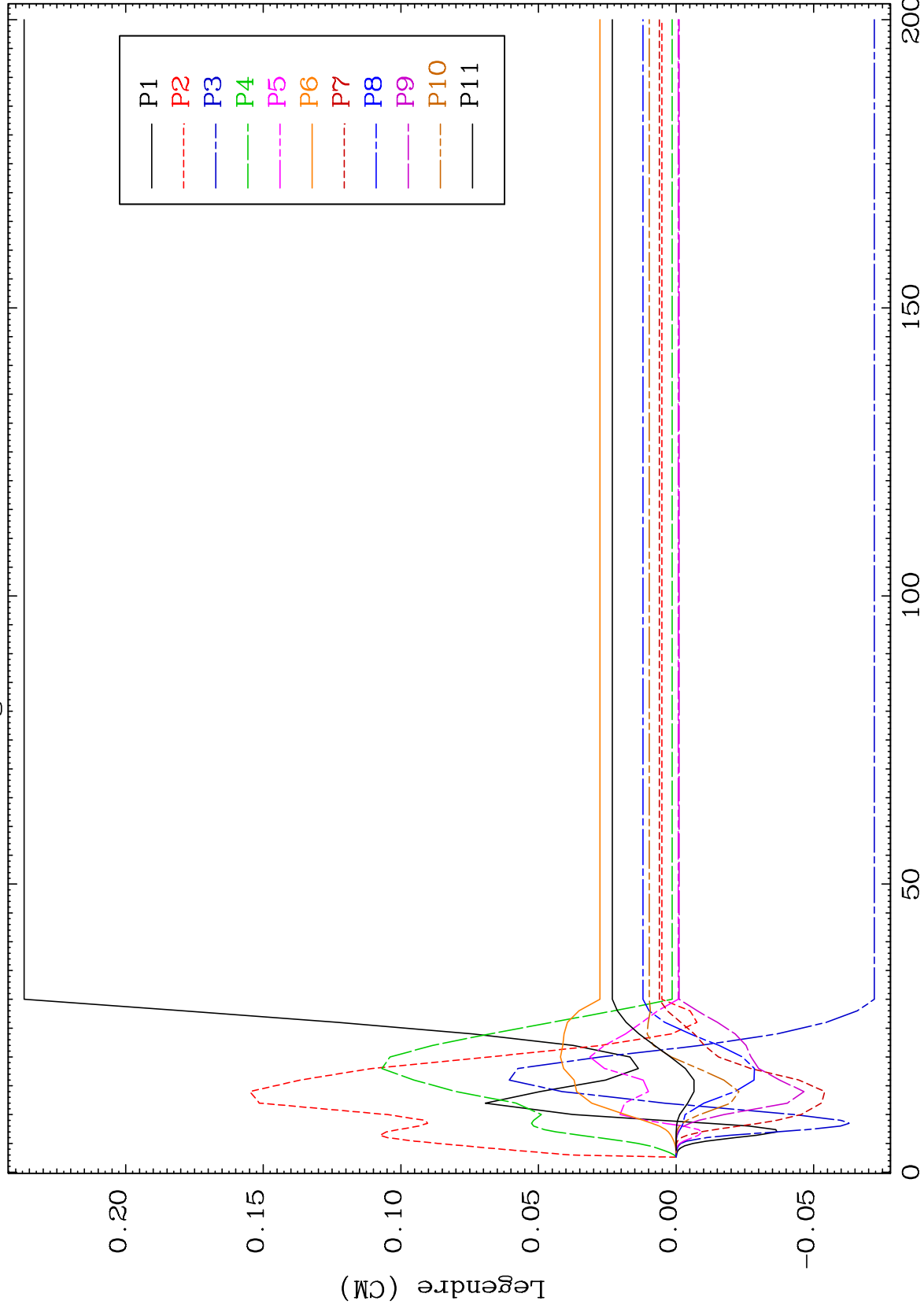
32-Ge-72



MAT 3231

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

32-Ge-72



59

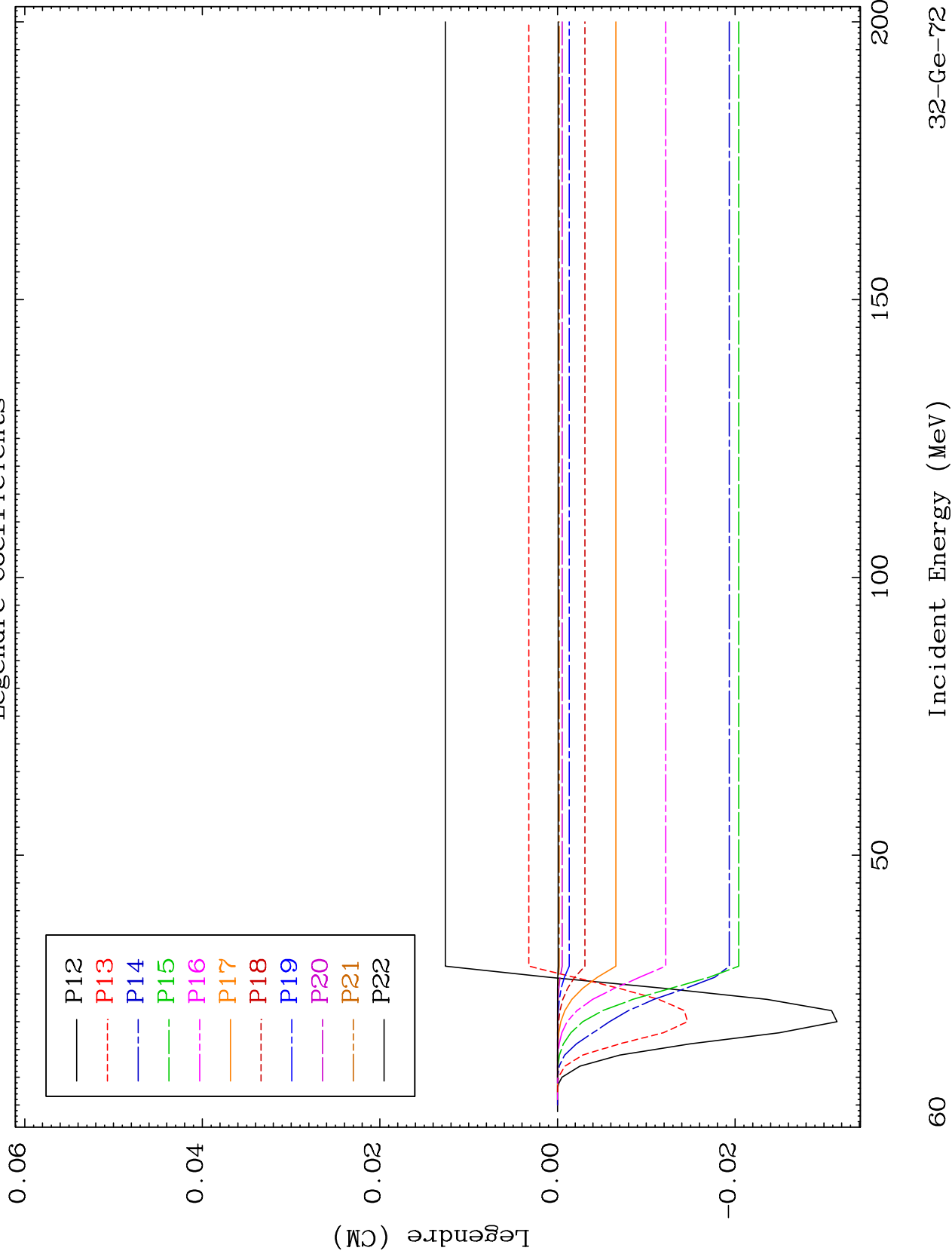
Incident Energy (MeV)

32-Ge-72

MAT 3231

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

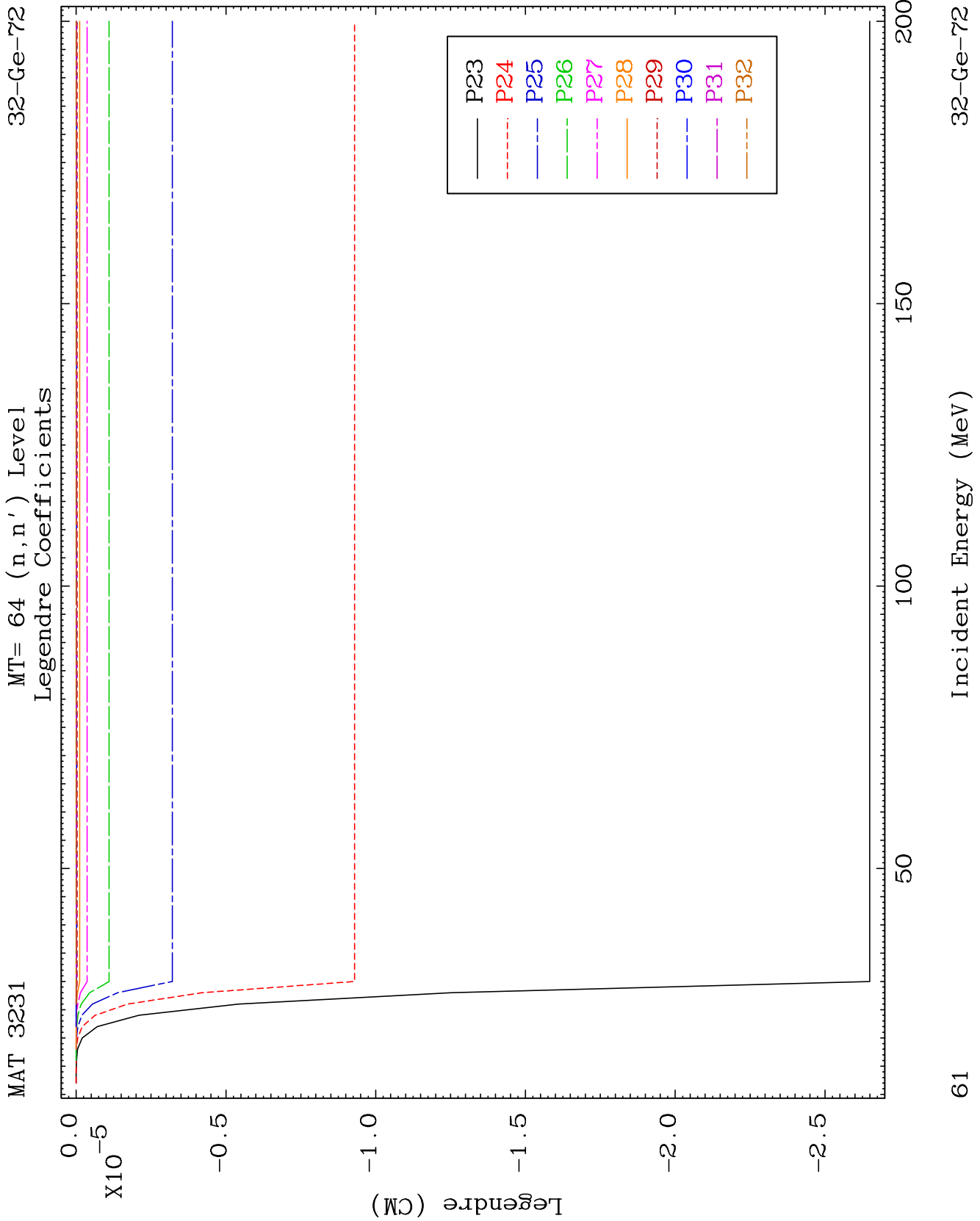
32-Ge-72



60

Incident Energy (MeV)

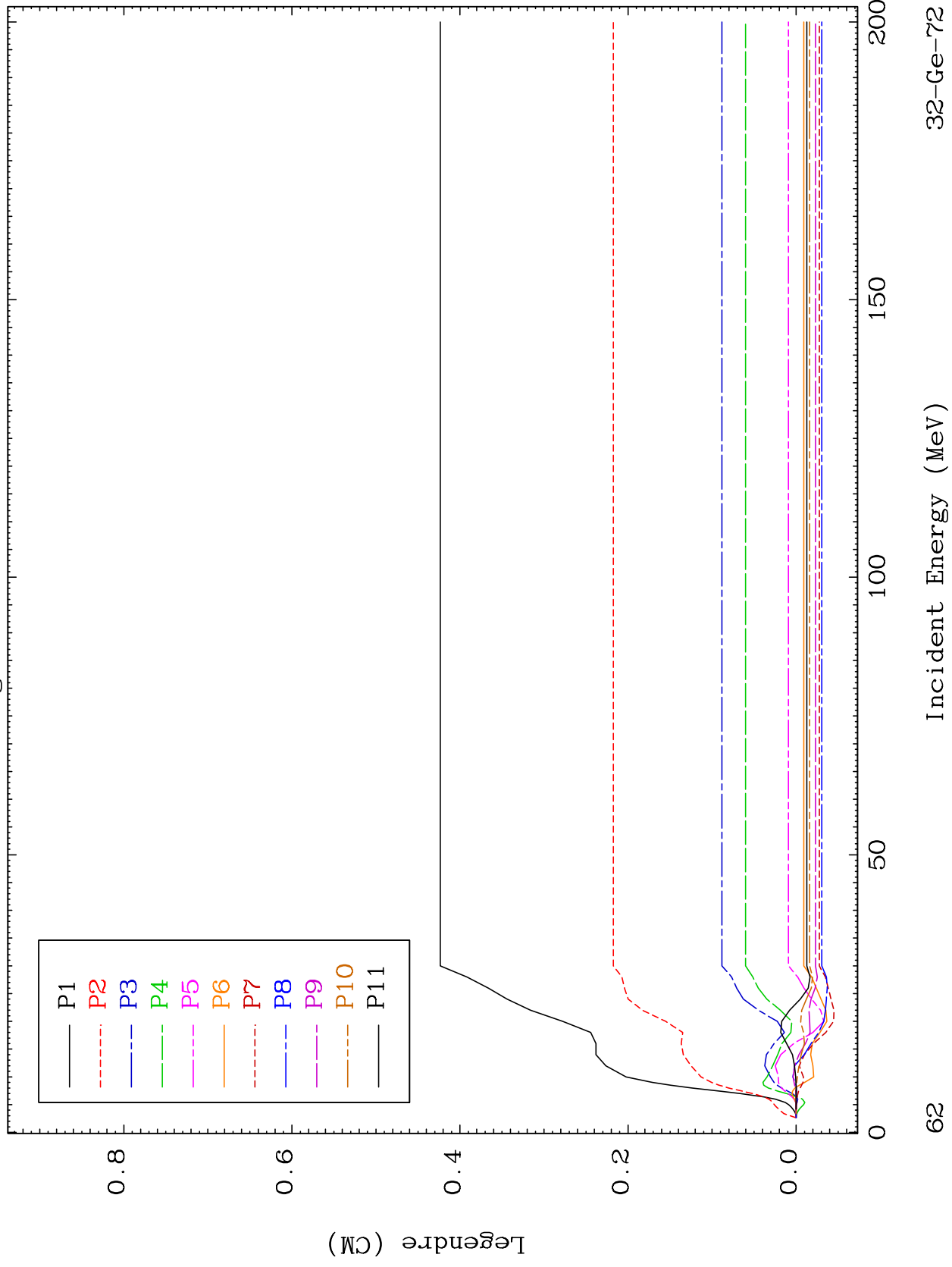
32-Ge-72



MAT 3231

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

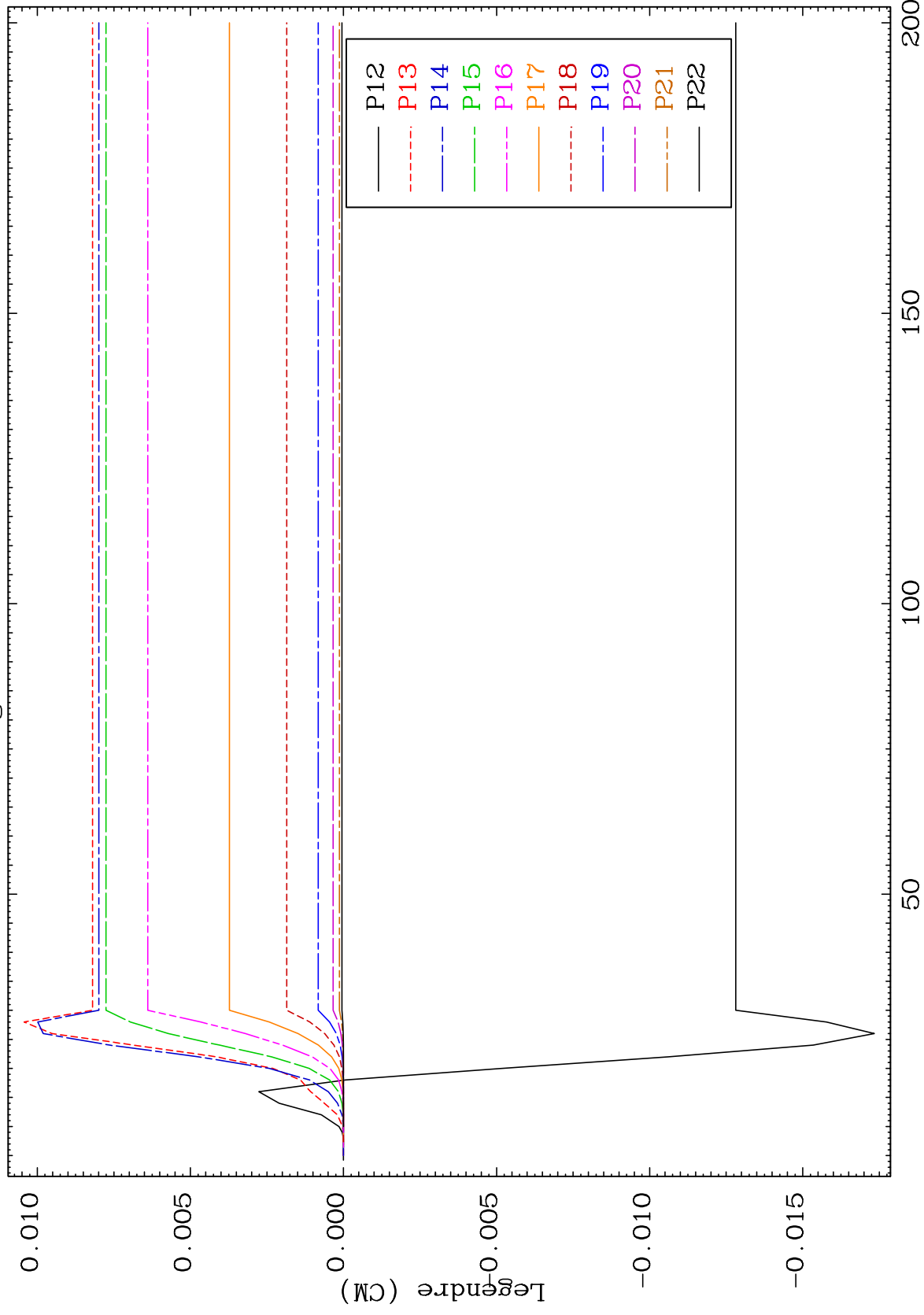
³²Ge-72



MAT 3231

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

32-Ge-72



63

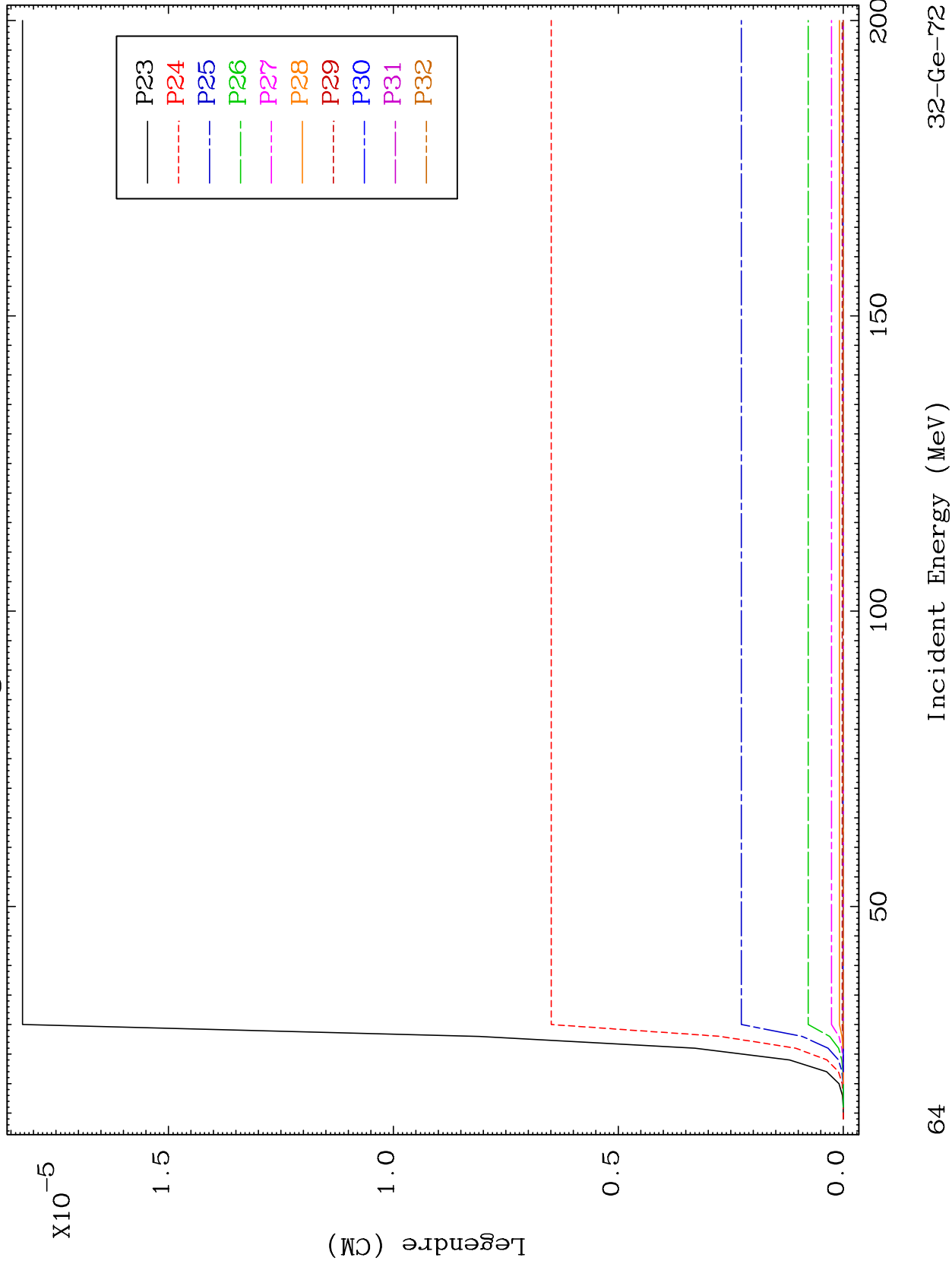
Incident Energy (MeV)

32-Ge-72

MAT 3231

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

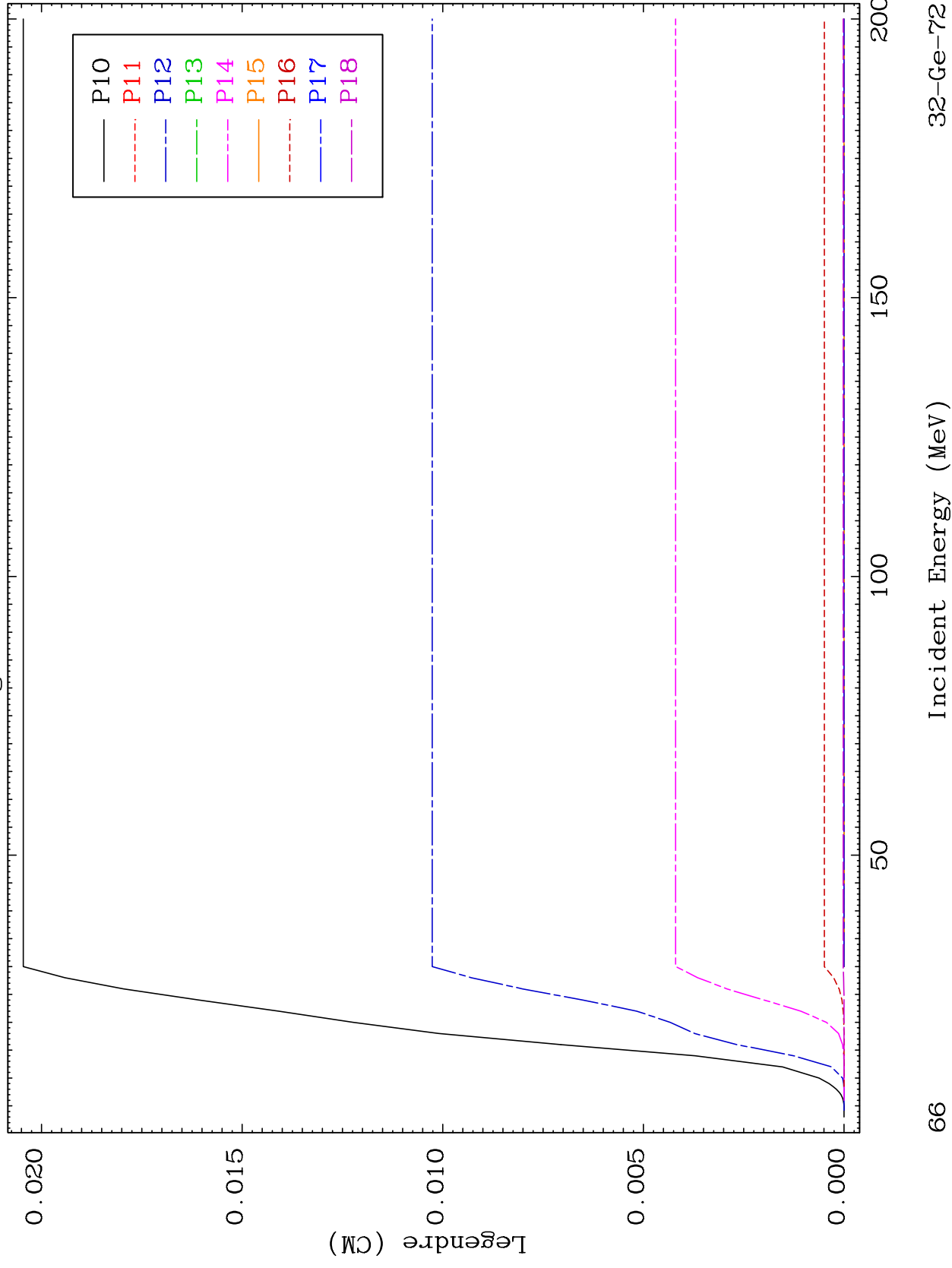
32-Ge-72



MAT 3231

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

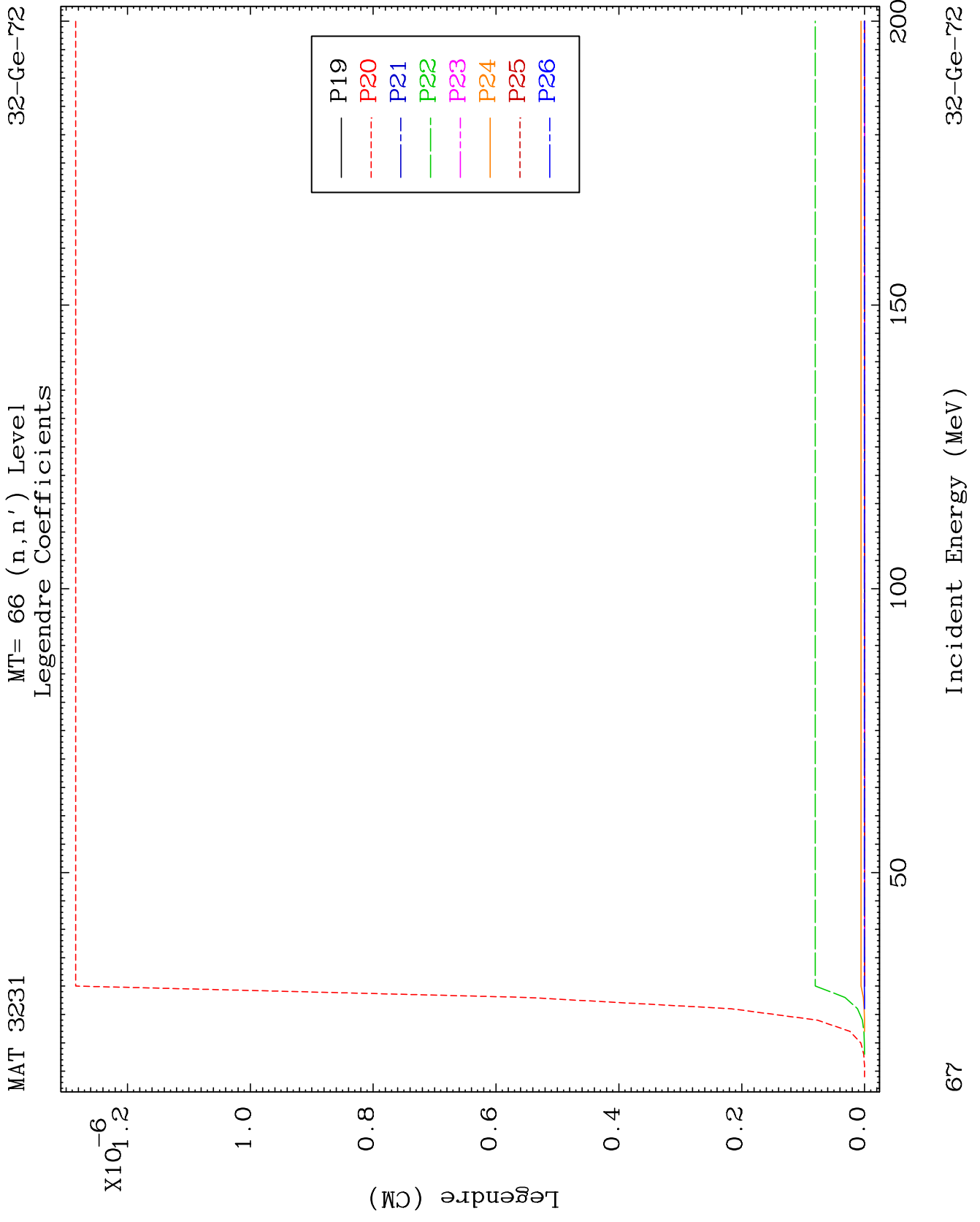
32-Ge-72



66

Incident Energy (MeV)

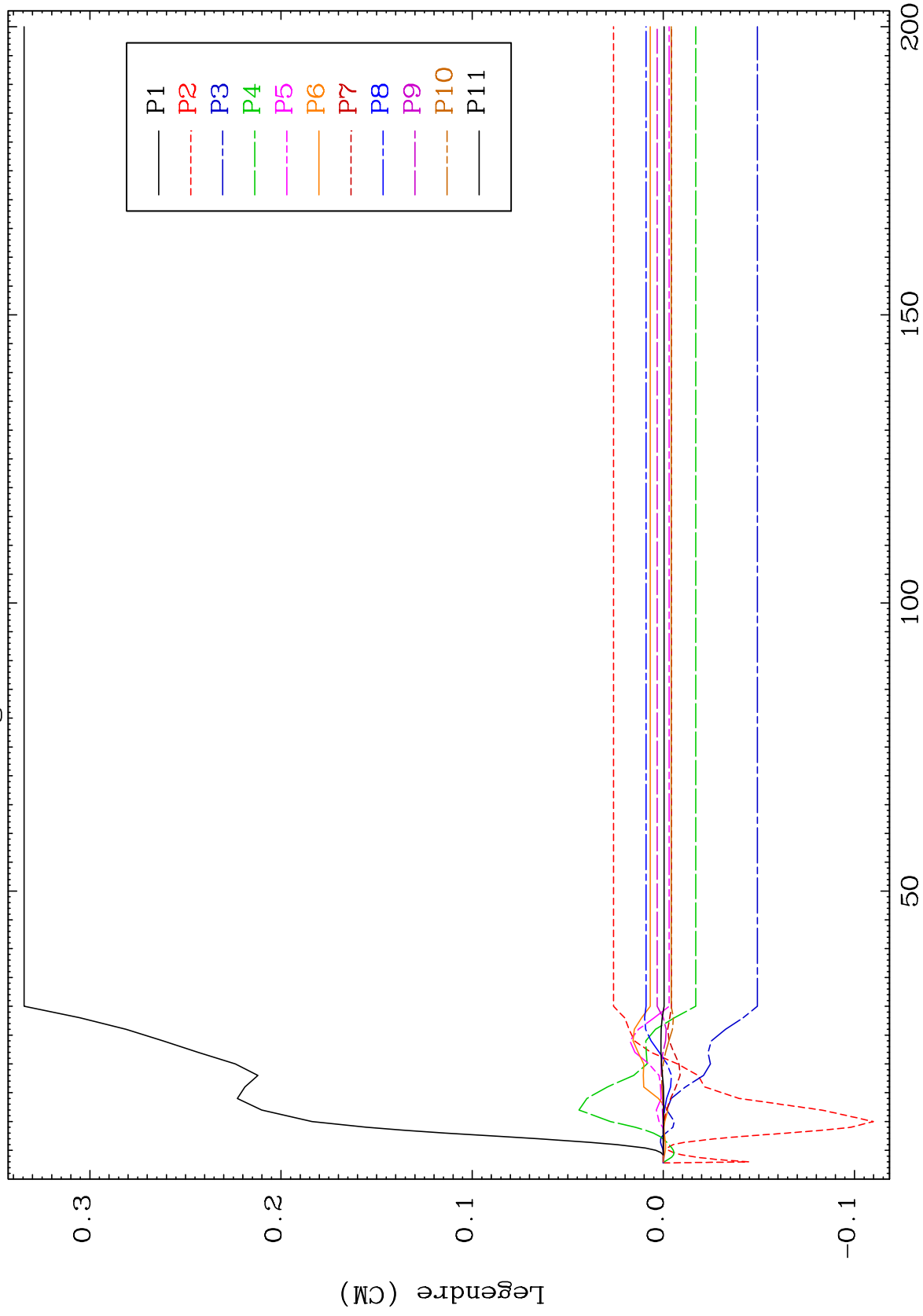
32-Ge-72



MAT 3231

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

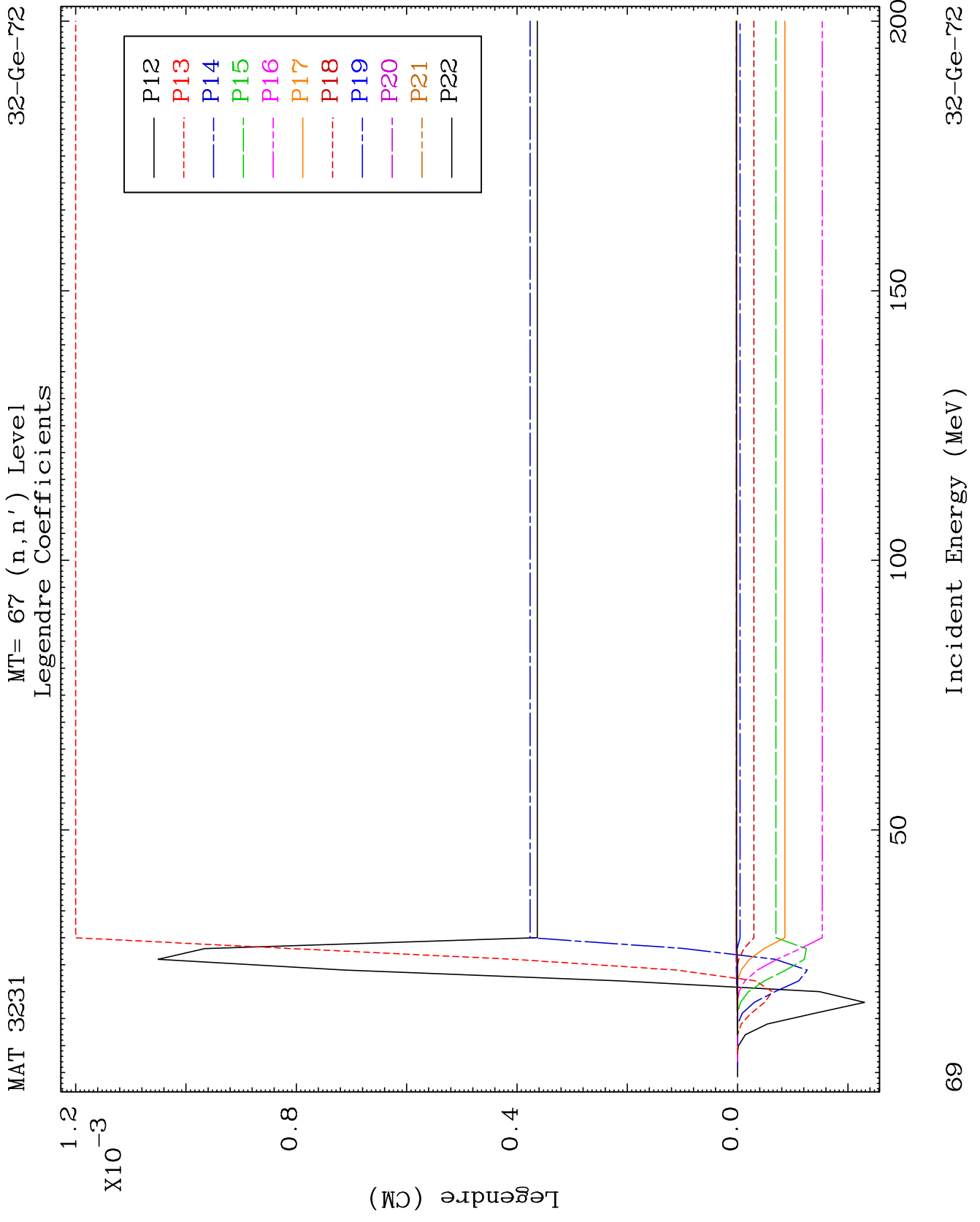
32-Ge-72



32-Ge-72

Incident Energy (MeV)

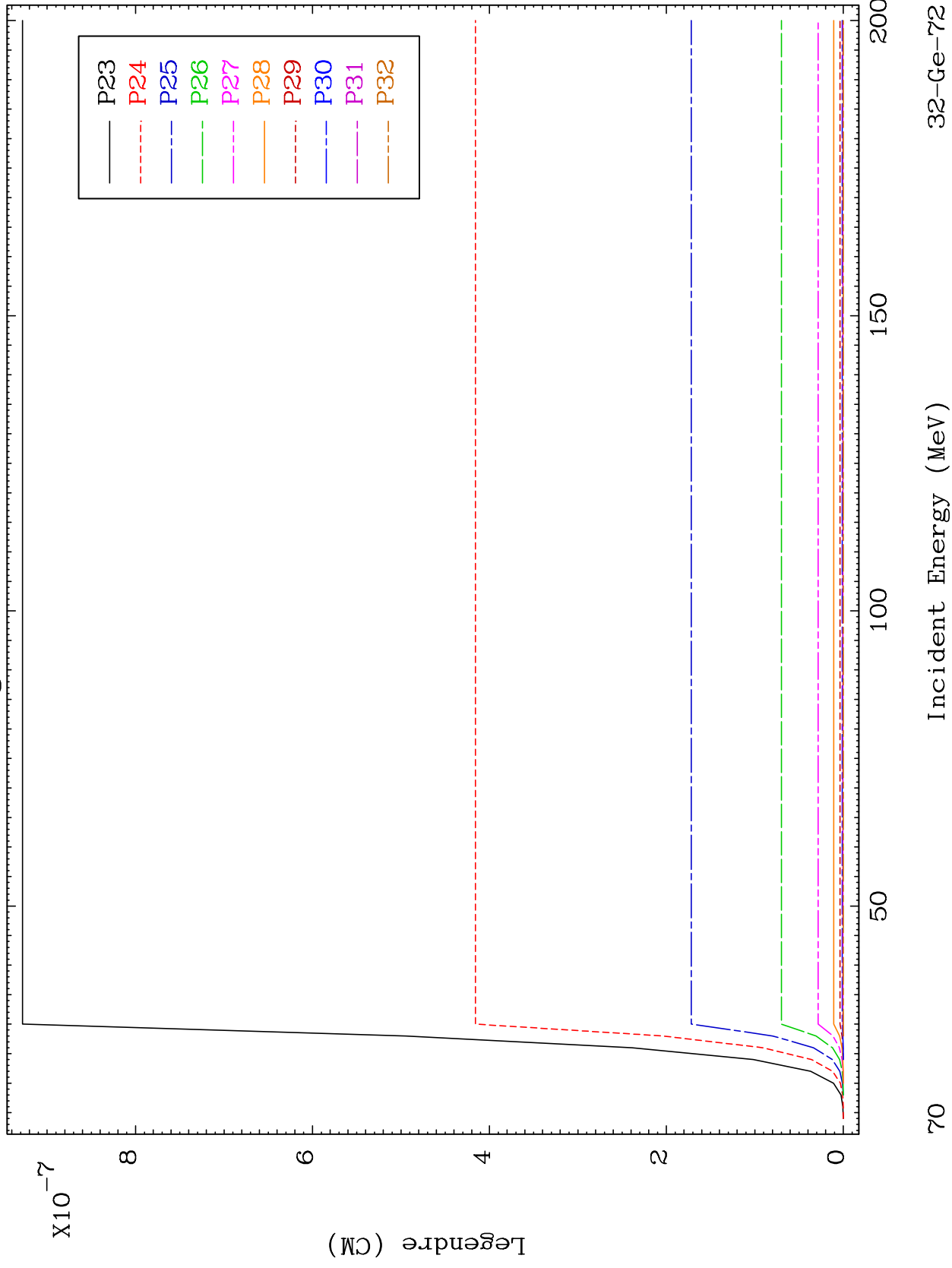
68

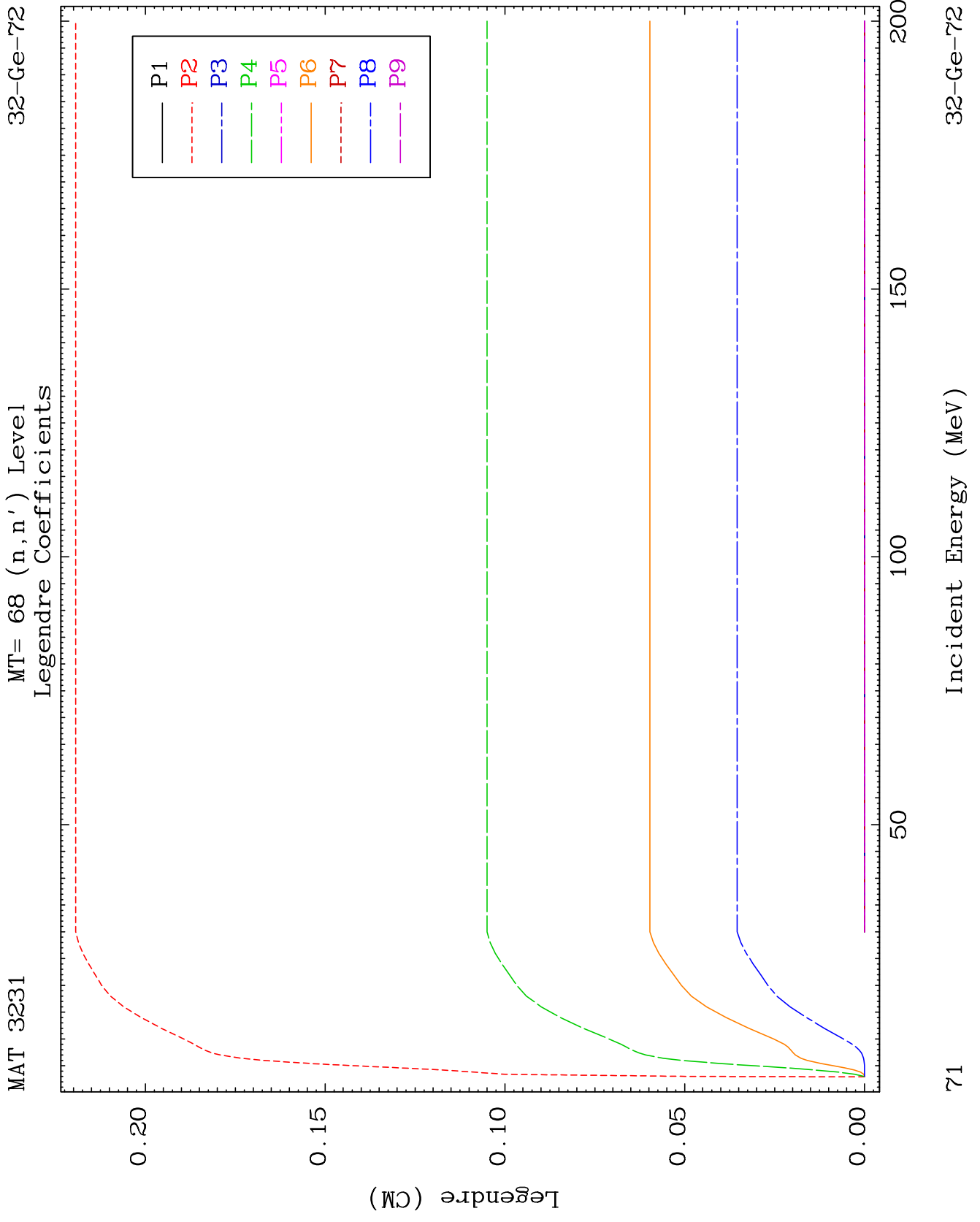


MAT 3231

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

32-Ge-72

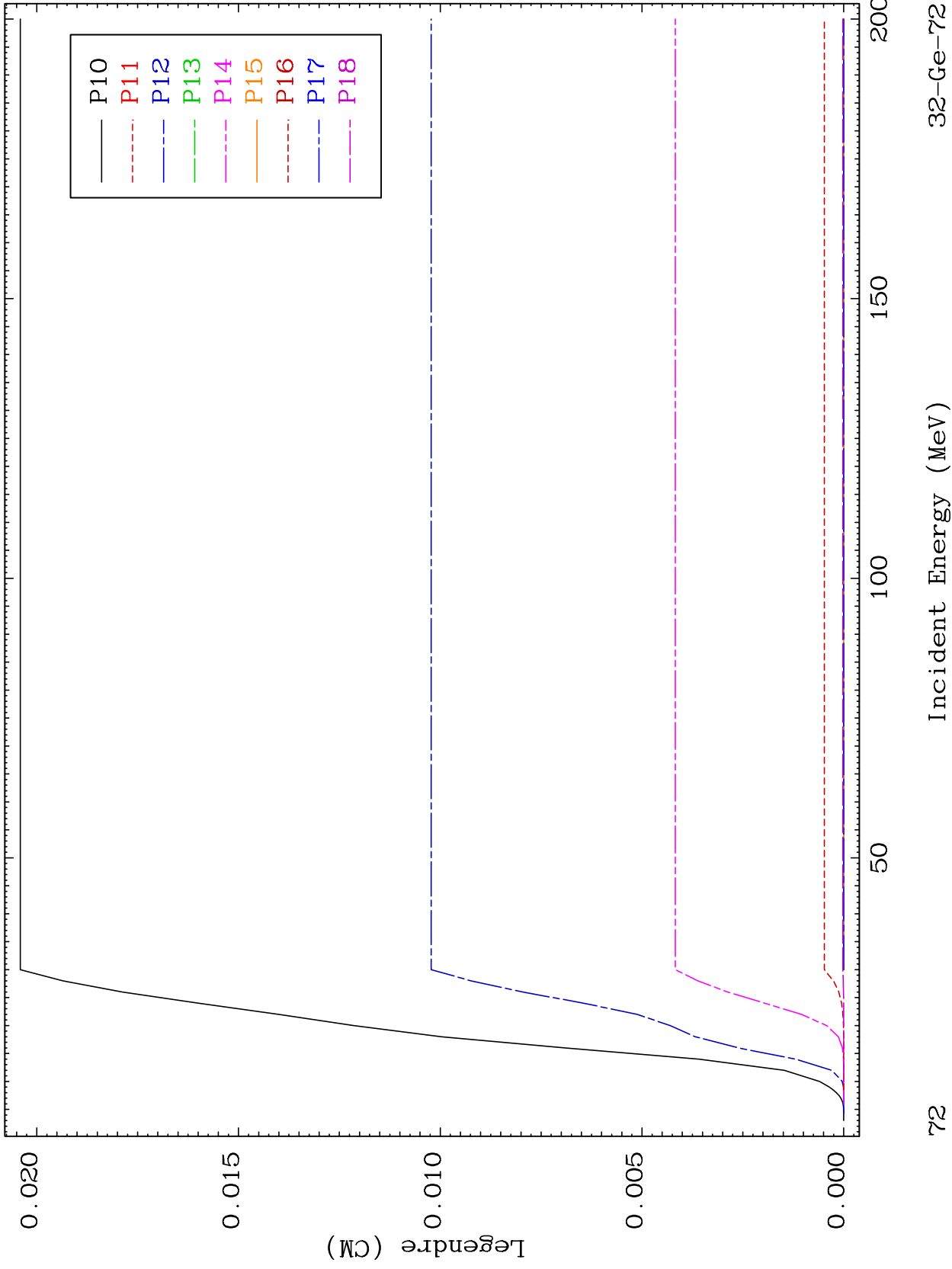




MAT 3231

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

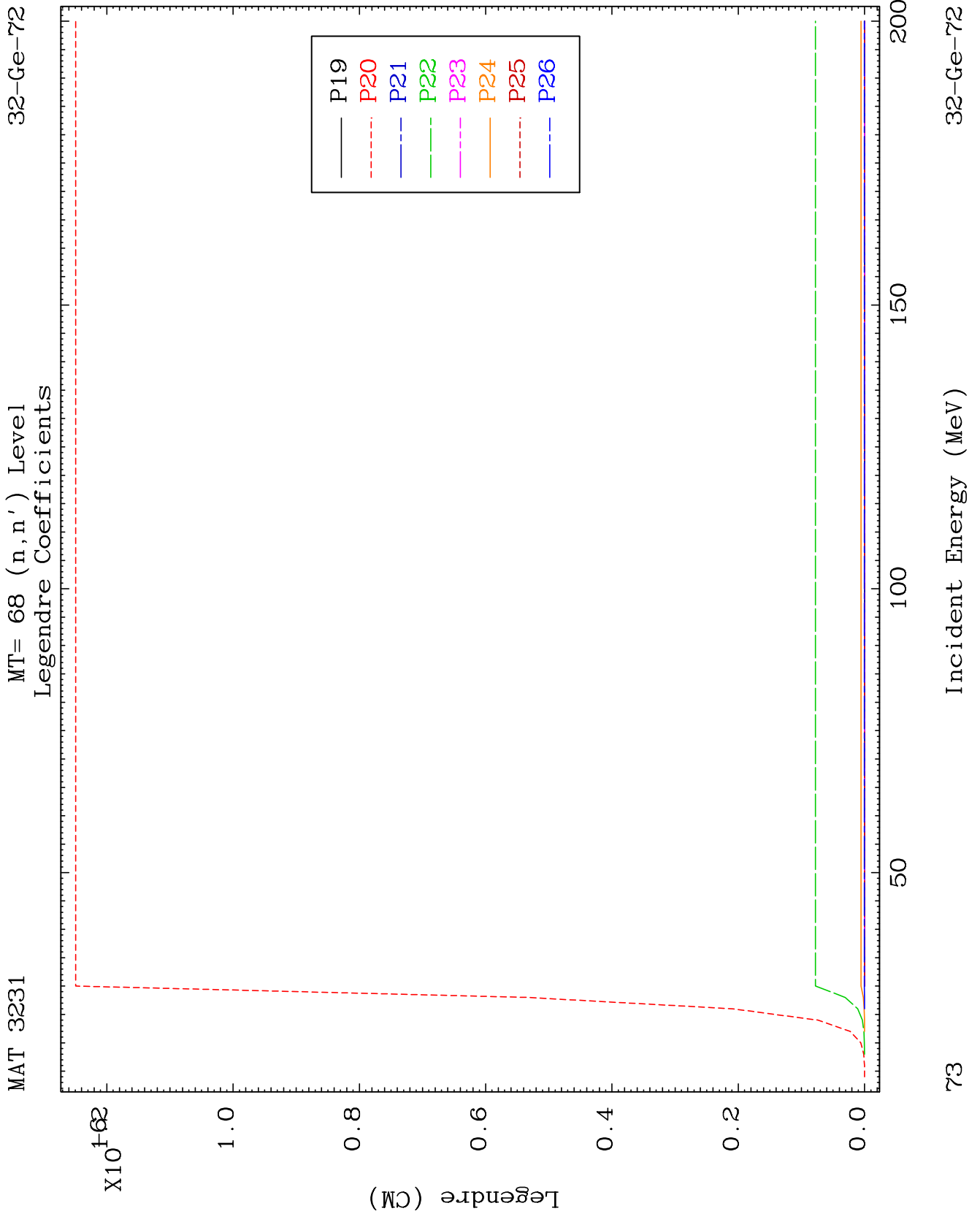
32-Ge-72

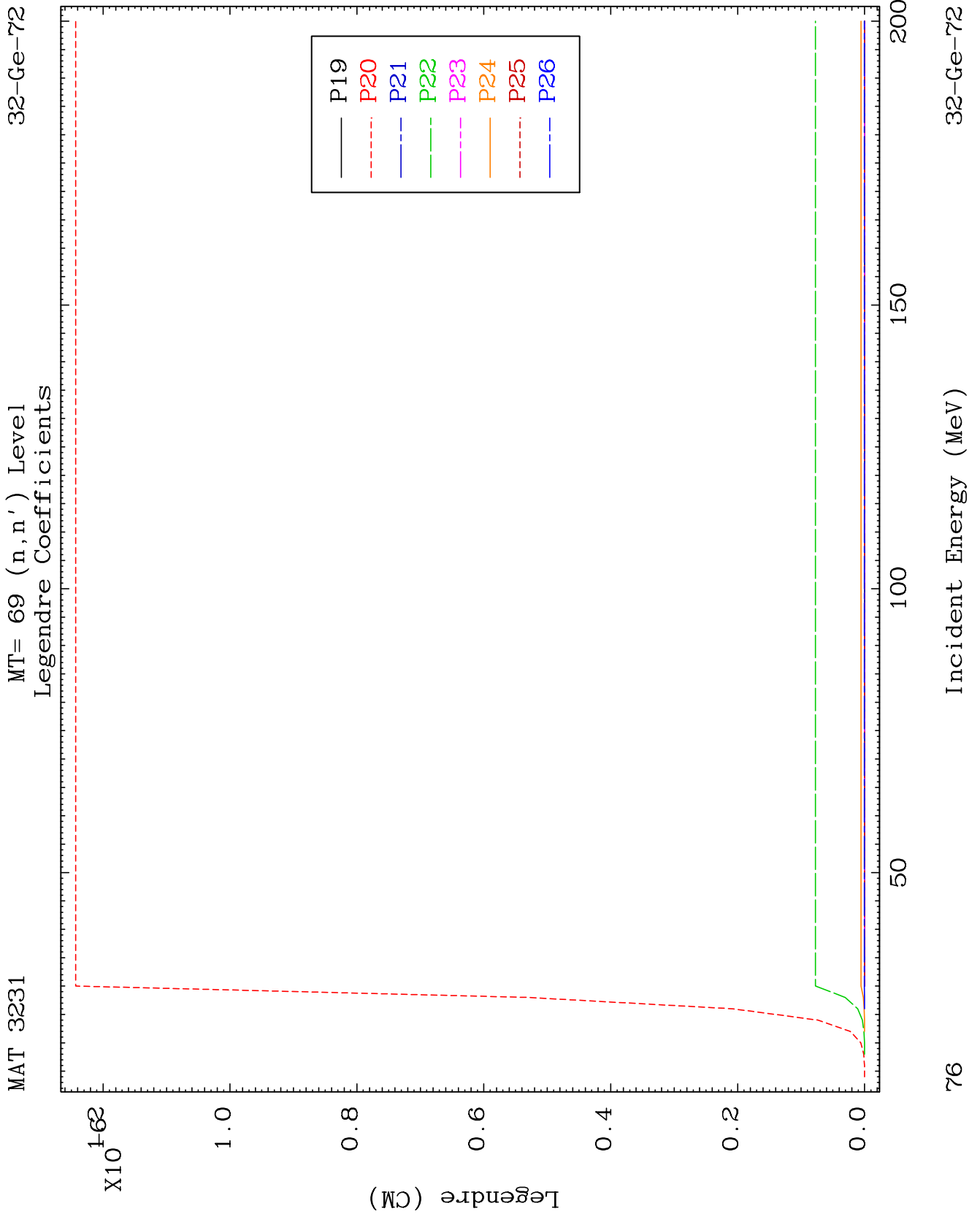


72

Incident Energy (MeV)

32-Ge-72

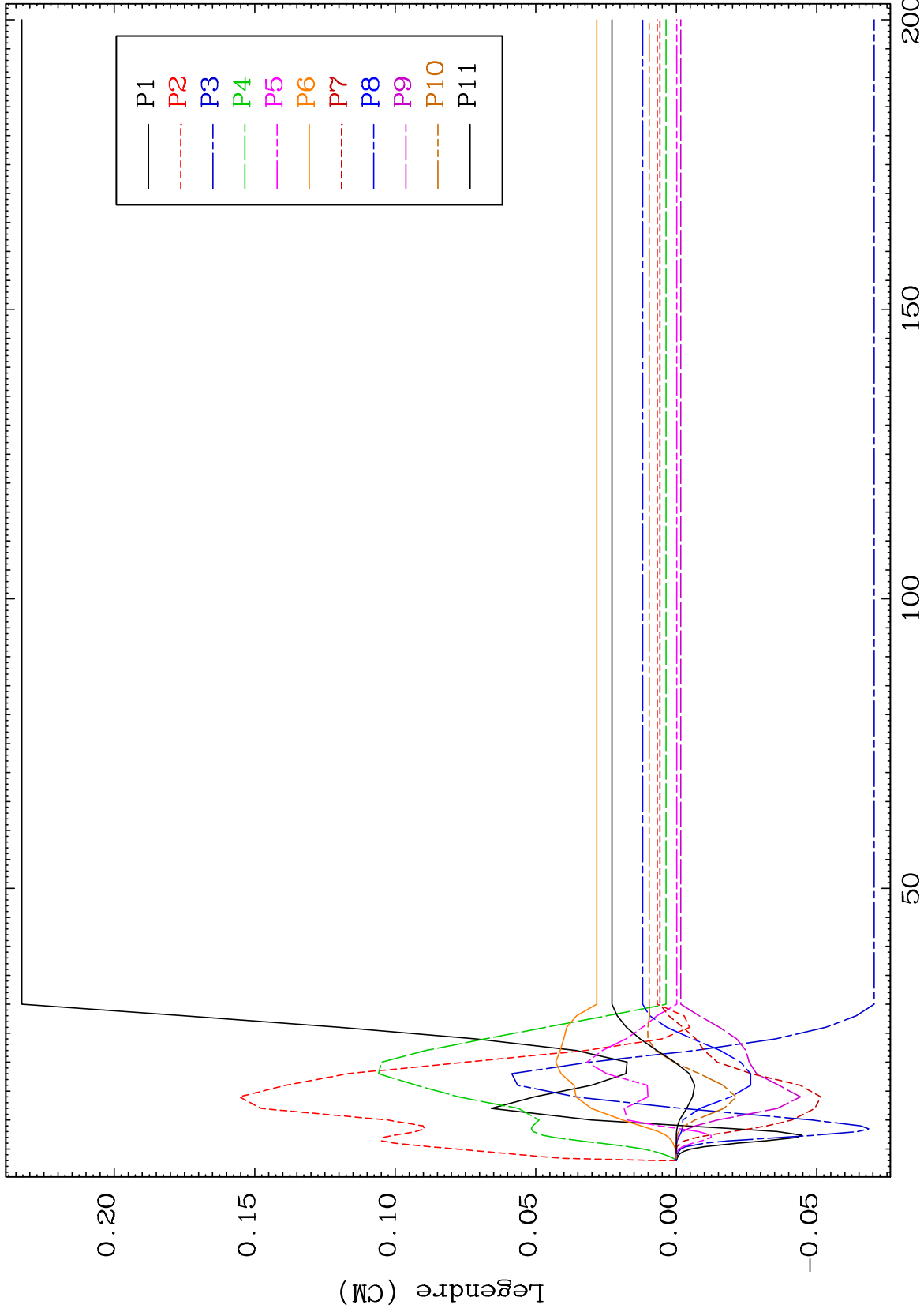




MAT 3231

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

32-Ge-72



77

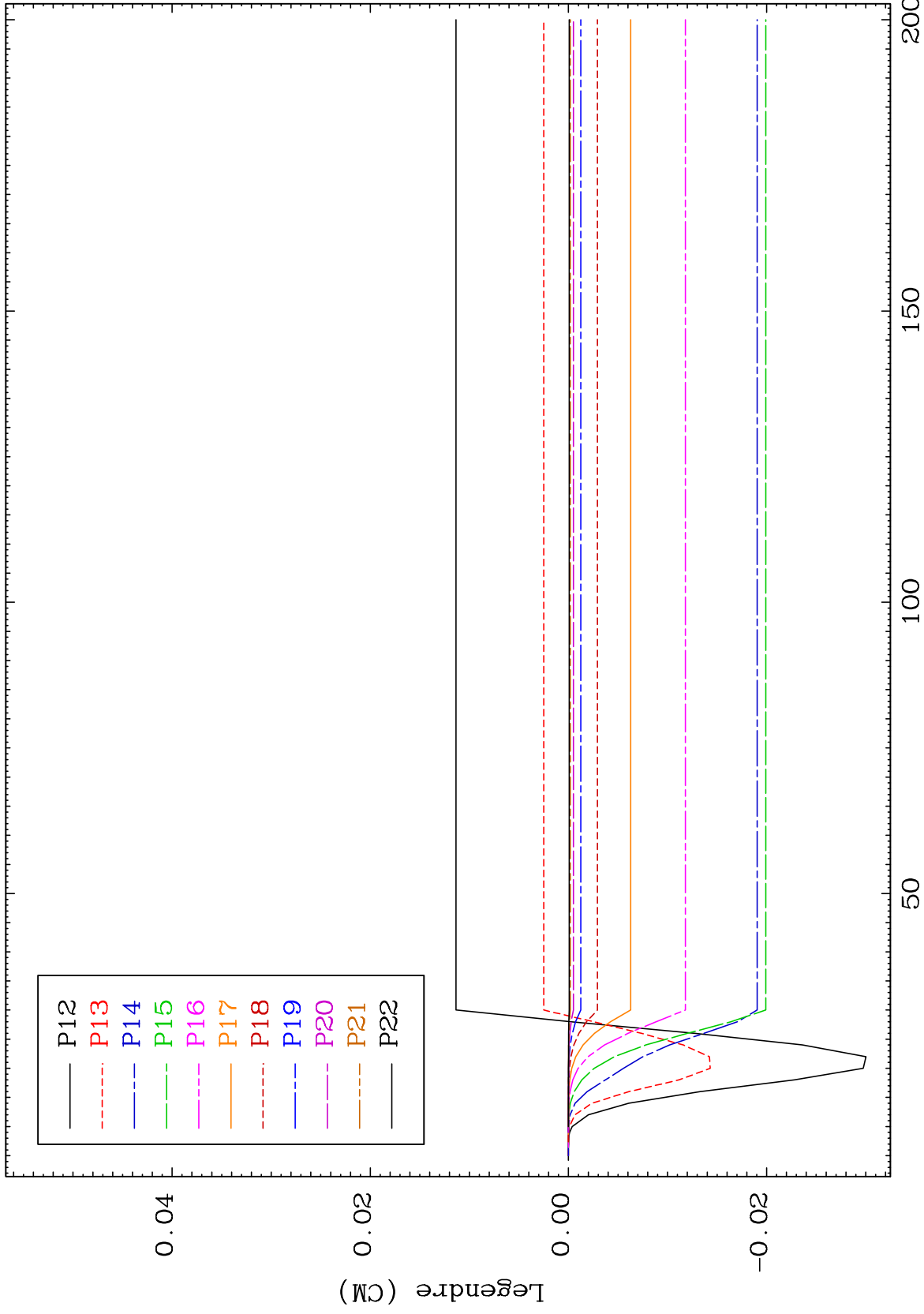
Incident Energy (MeV)

32-Ge-72

MAT 3231

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

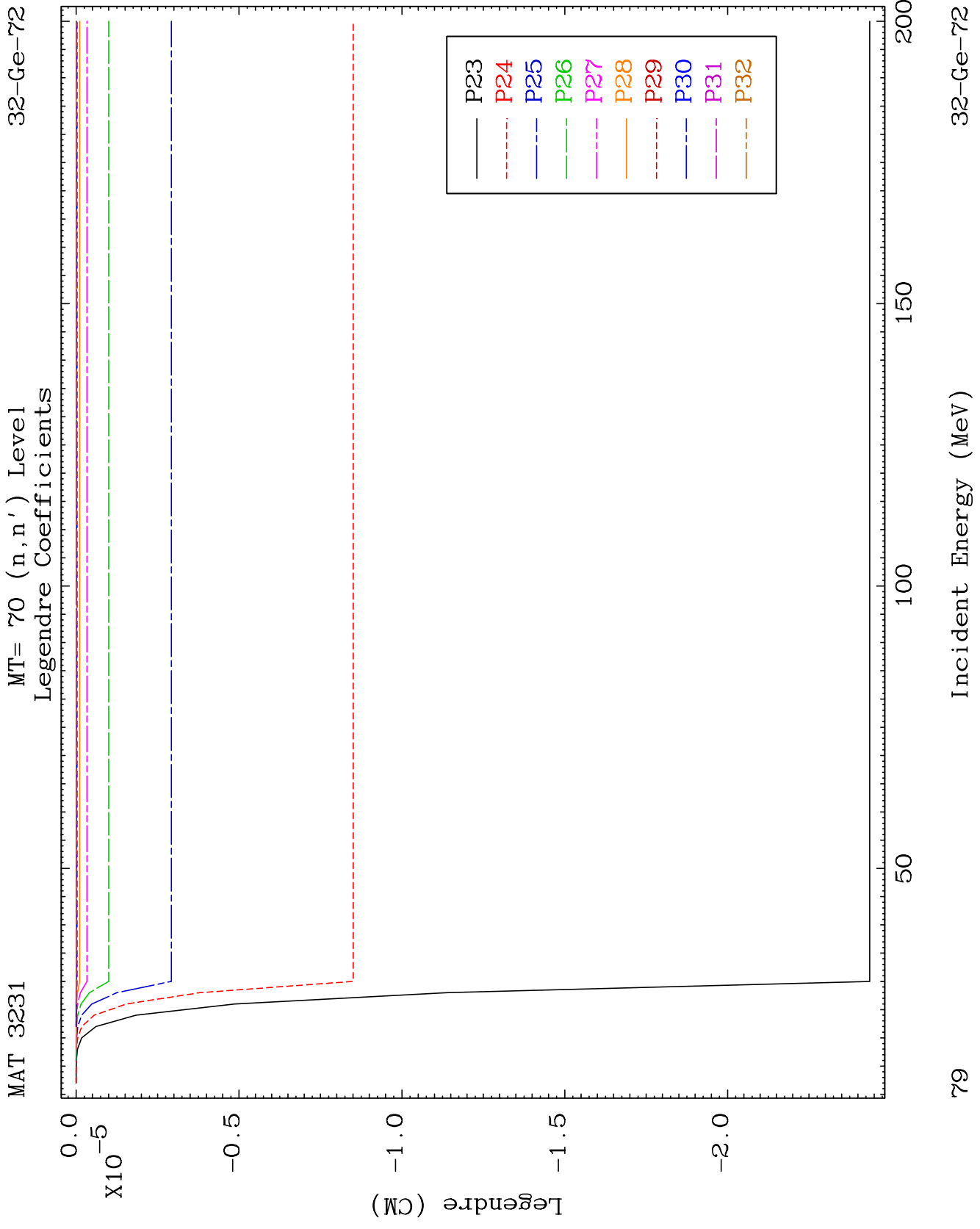
32-Ge-72



78

Incident Energy (MeV)

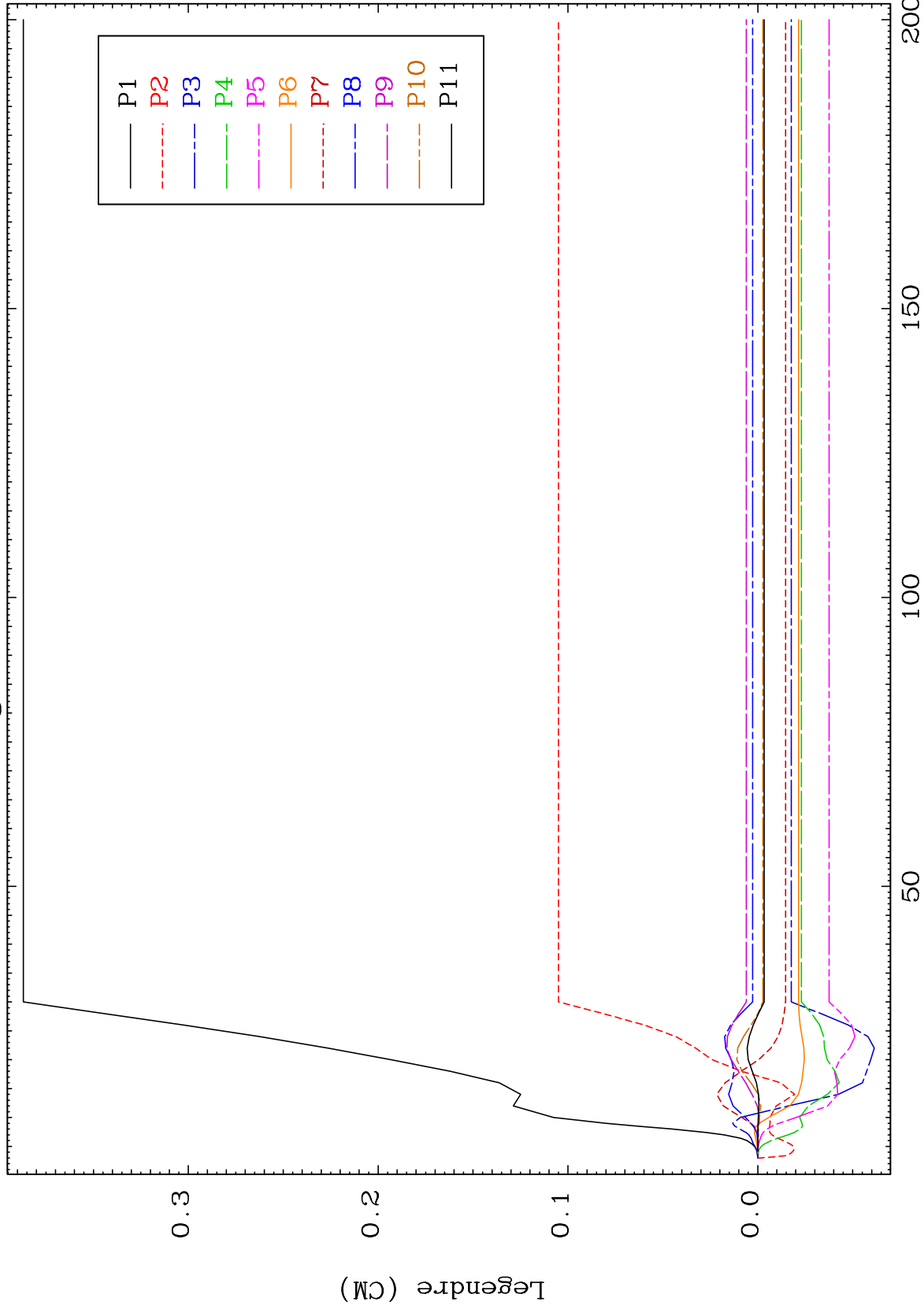
32-Ge-72



MAT 3231

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

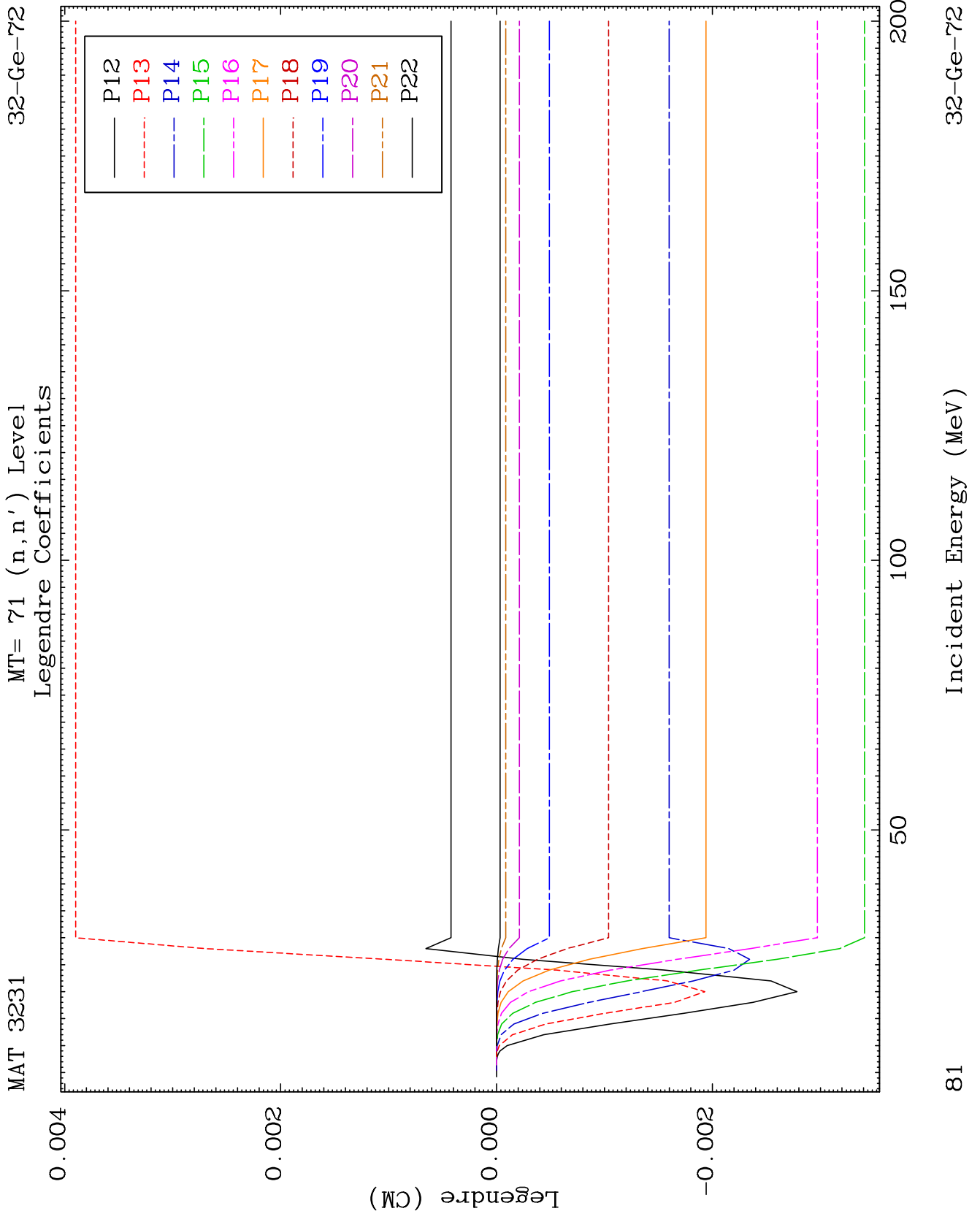
32-Ge-72

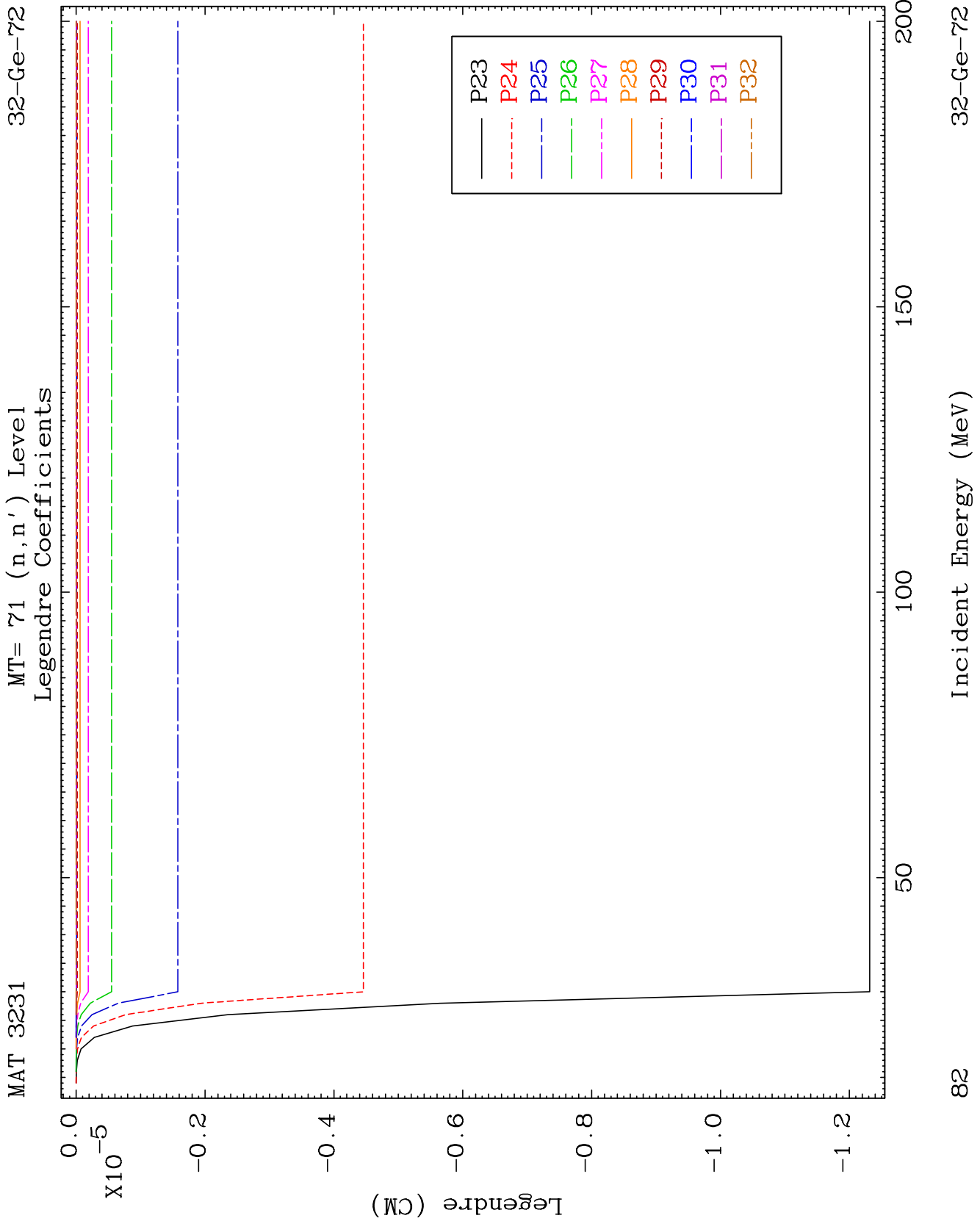


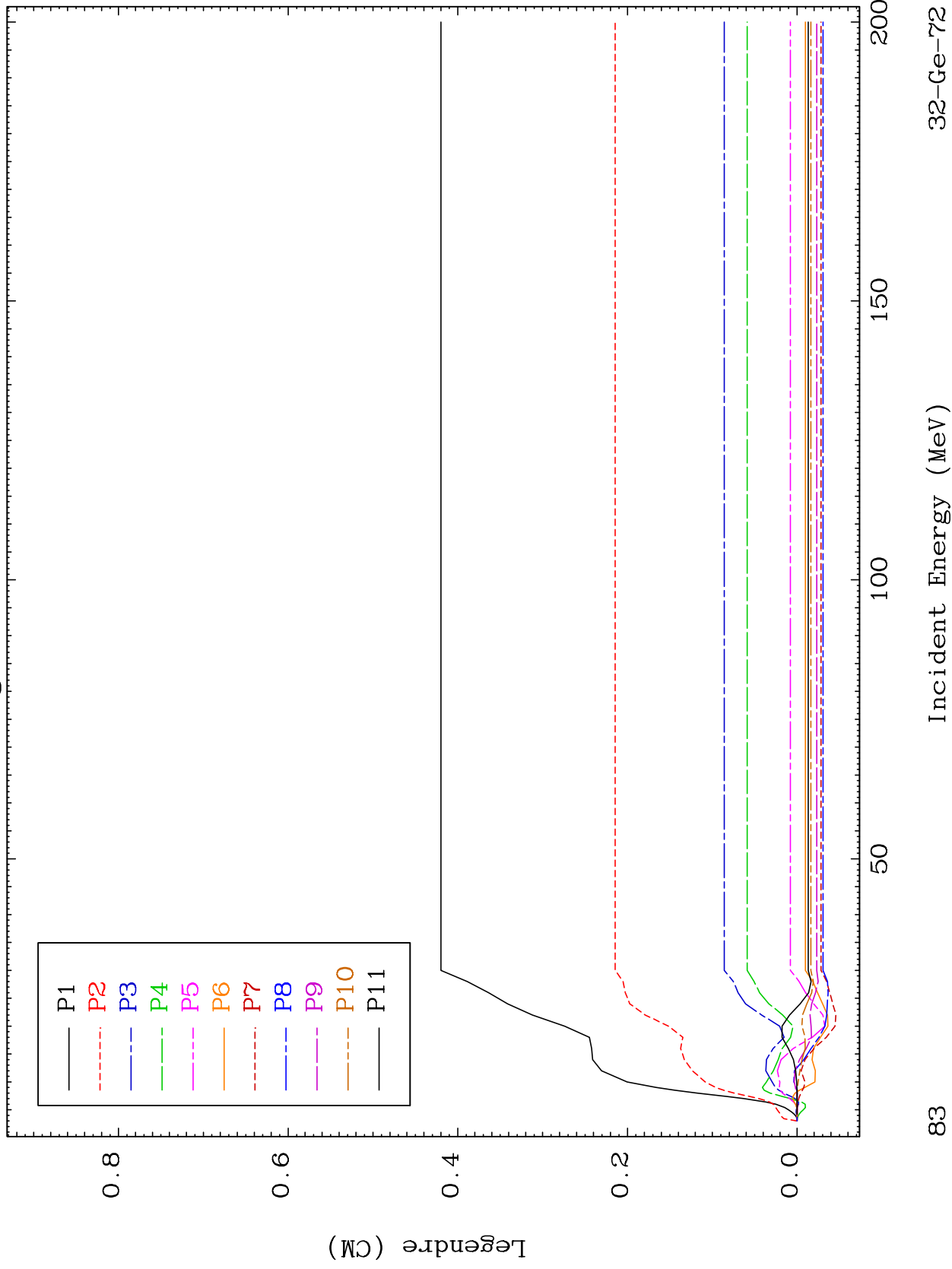
80

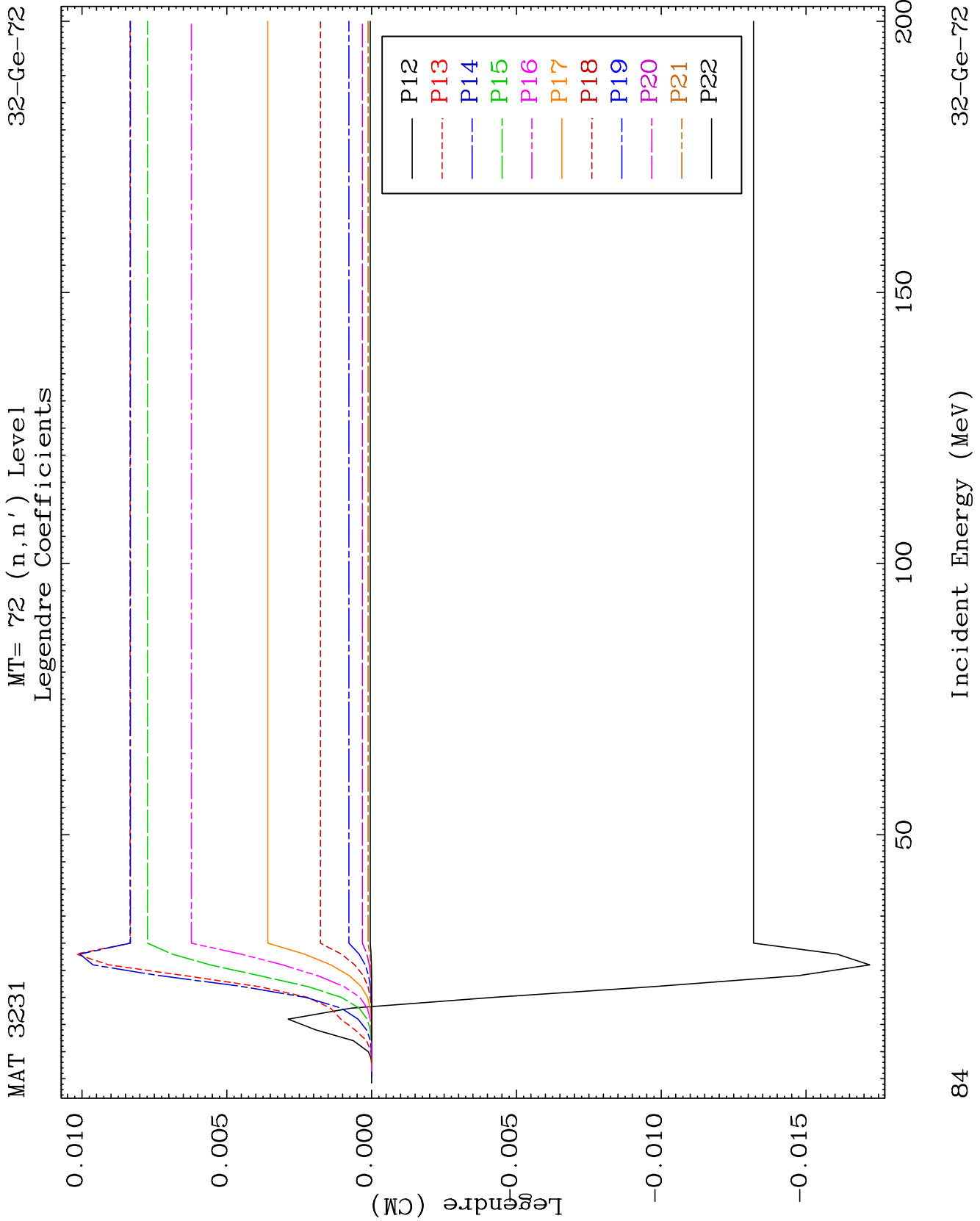
Incident Energy (MeV)

32-Ge-72





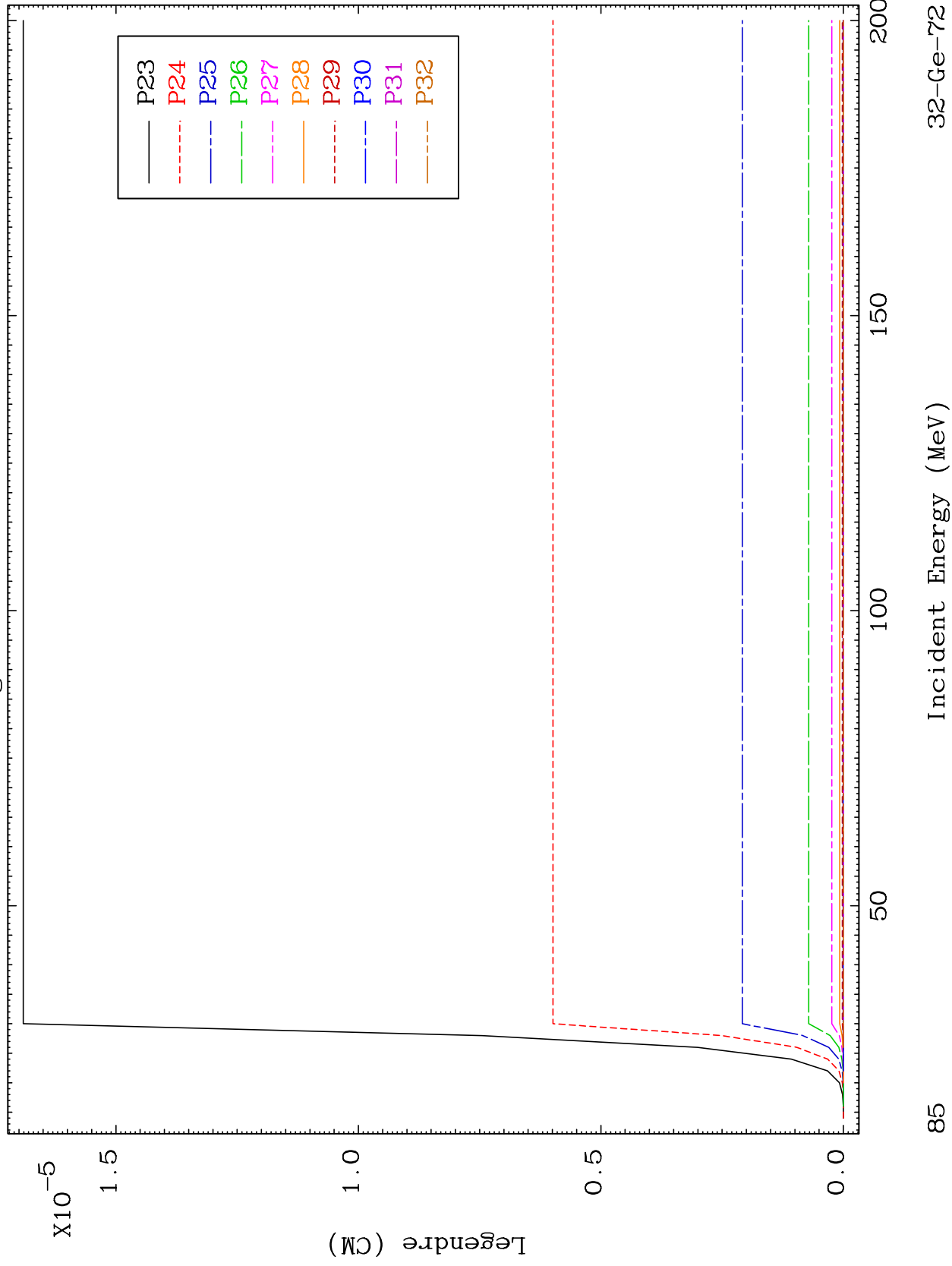


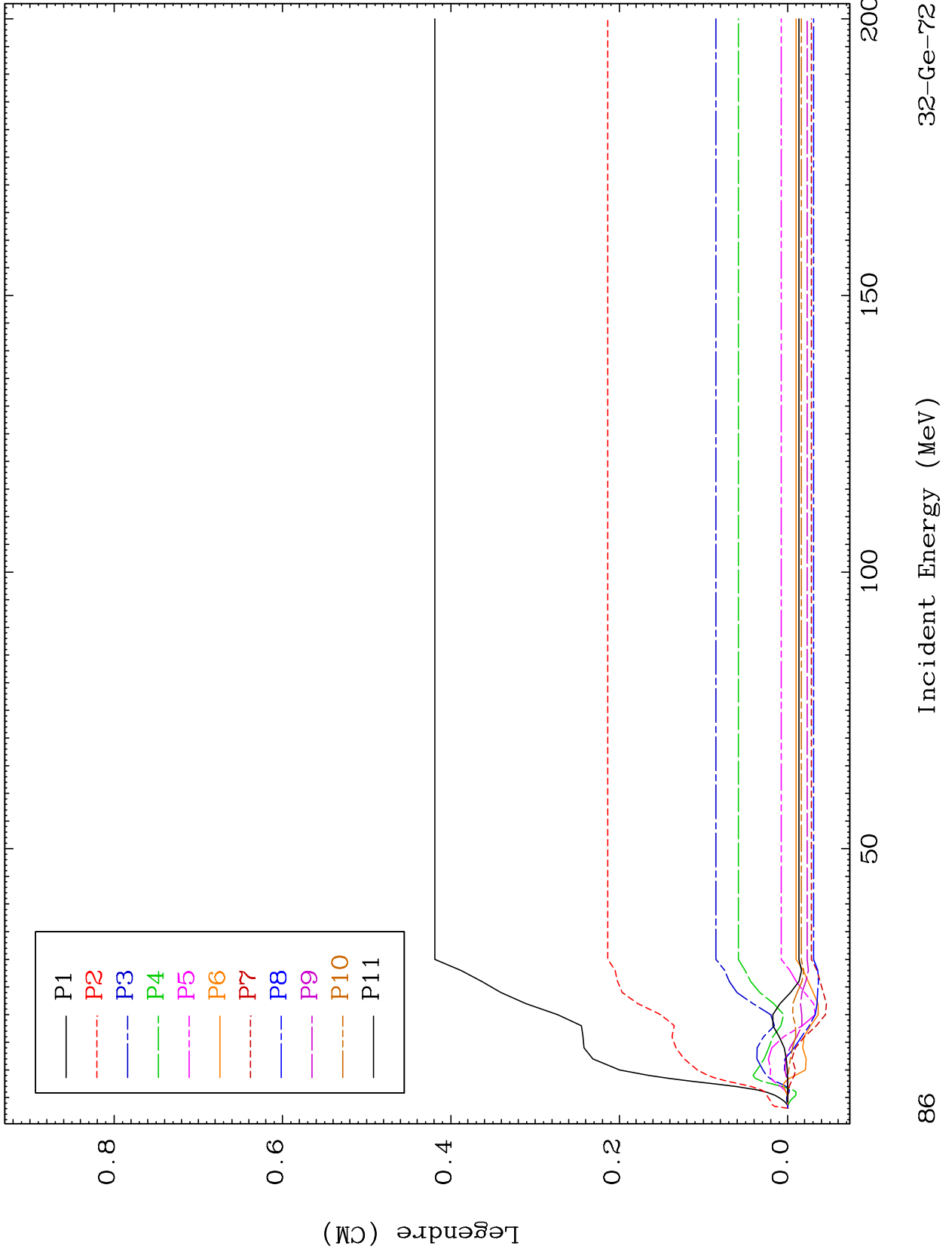


MAT 3231

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

32-Ge-72

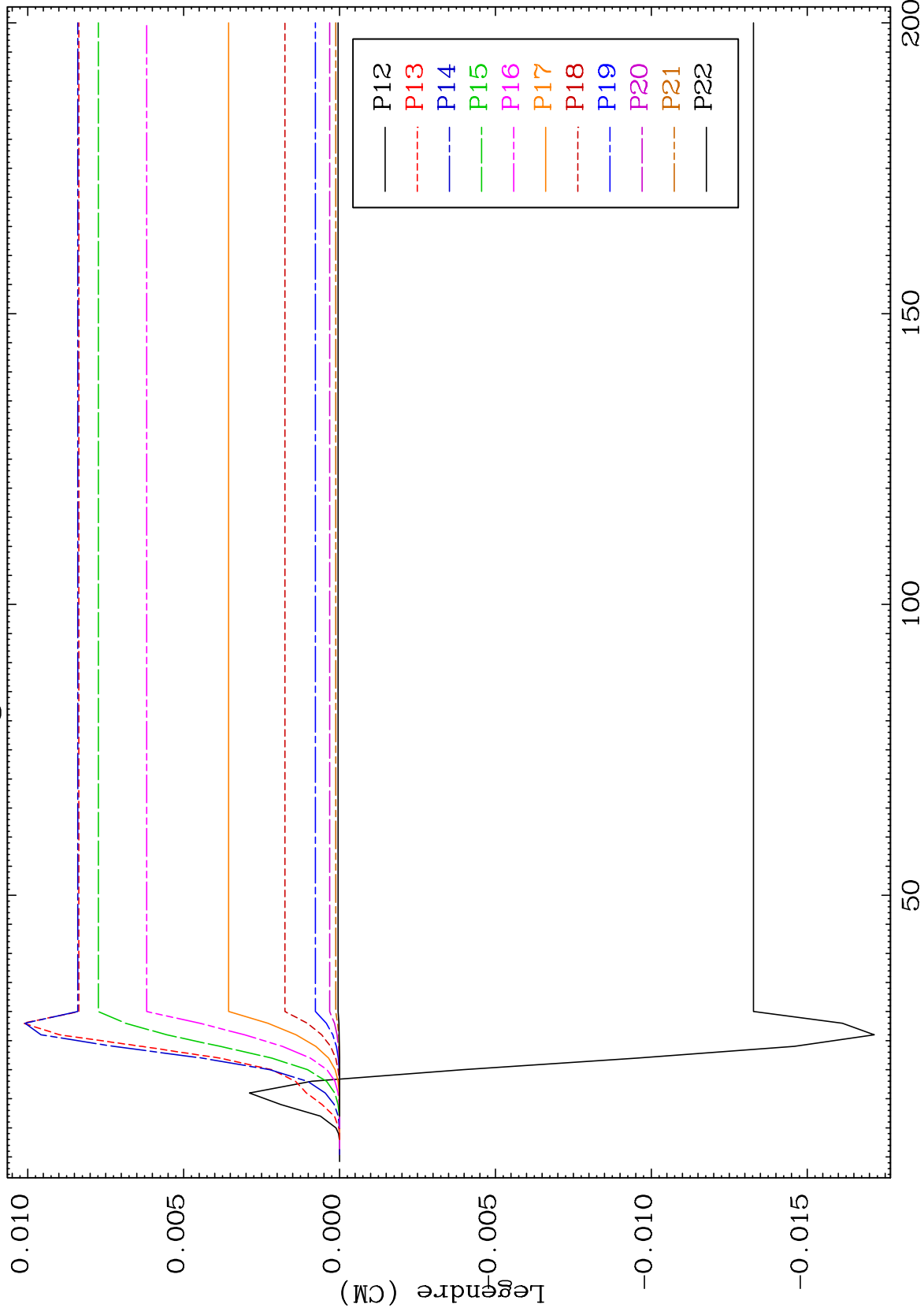




MAT 3231

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

32-Ge-72



87

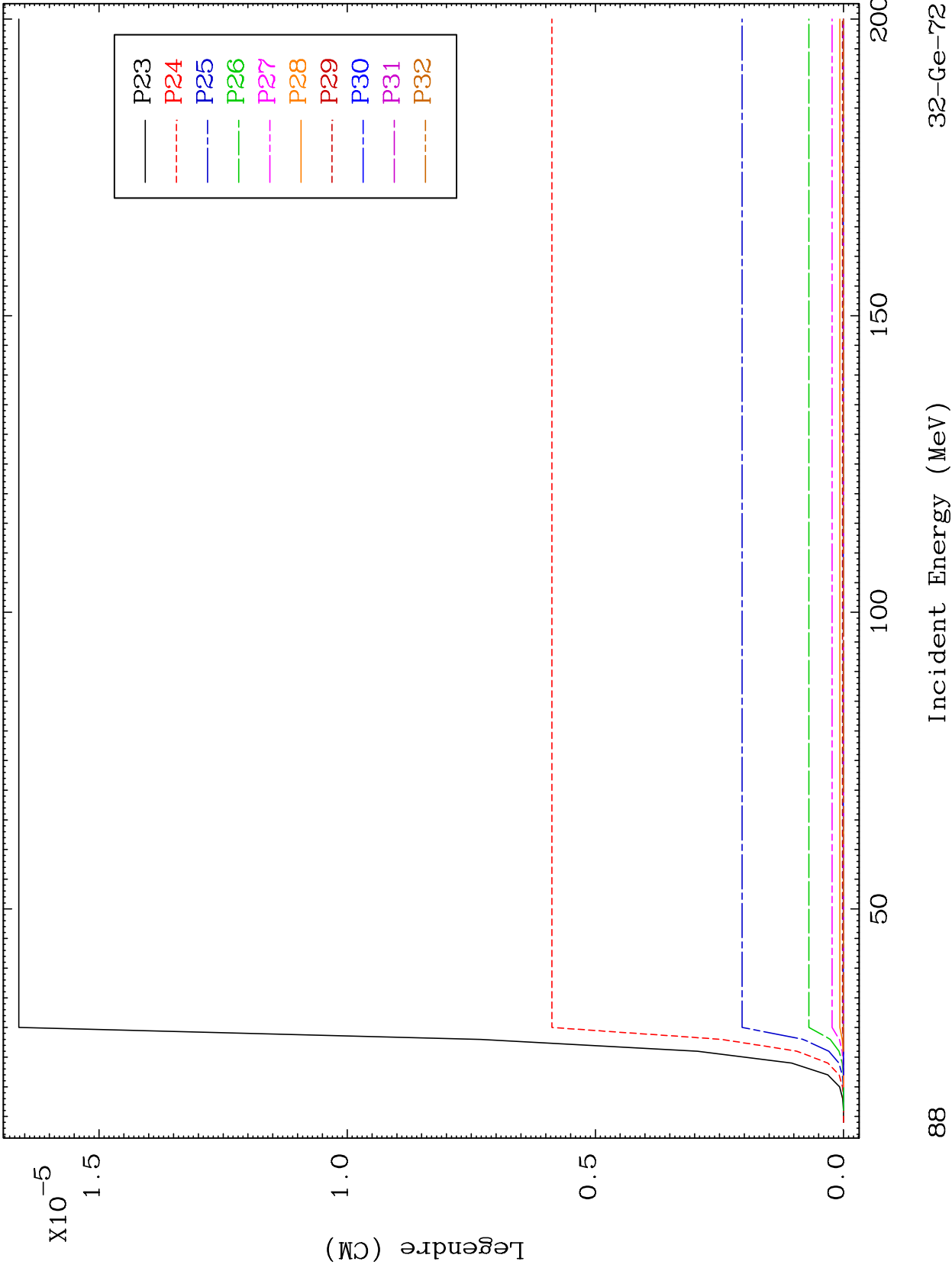
Incident Energy (MeV)

32-Ge-72

MAT 3231

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

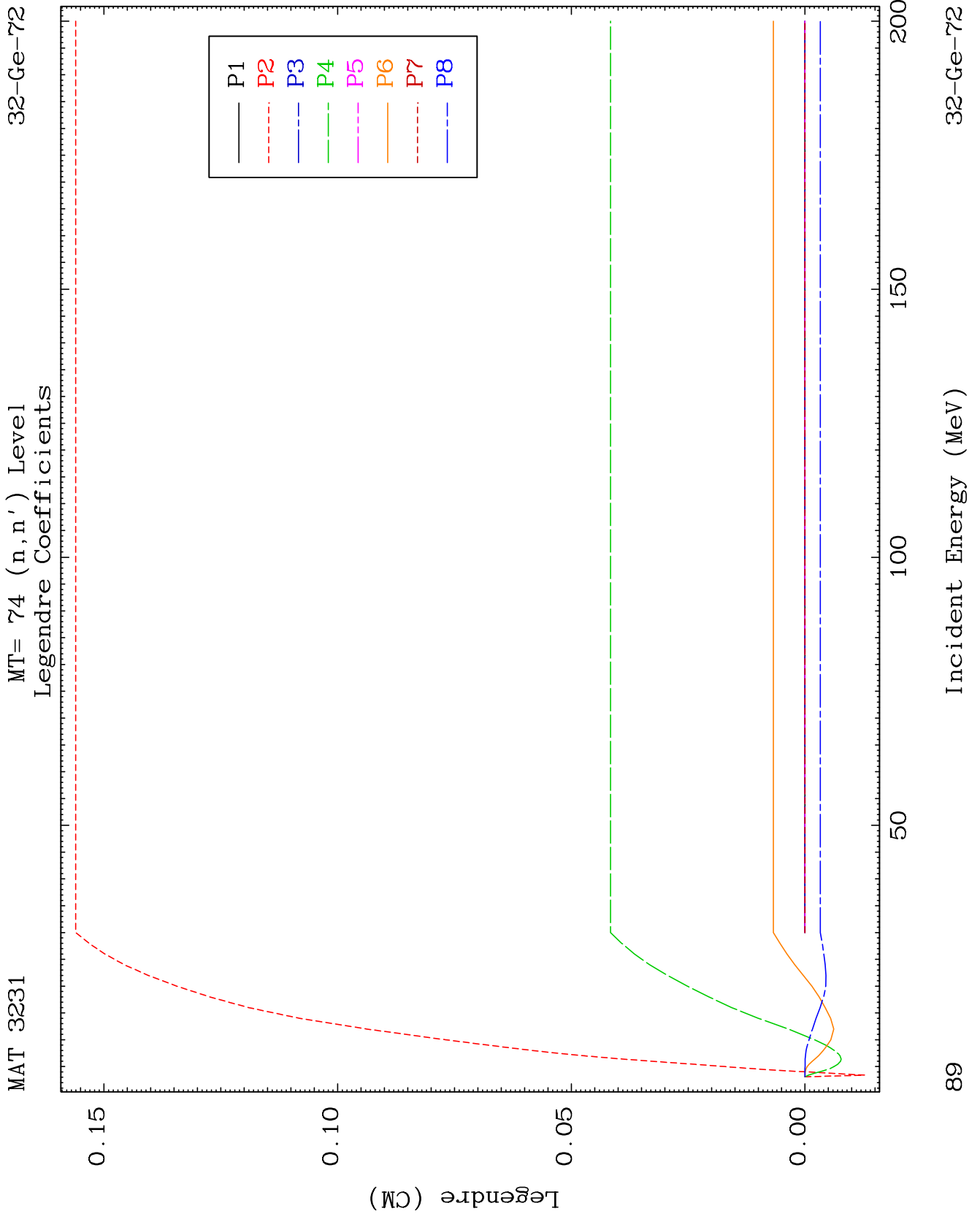
32-Ge-72

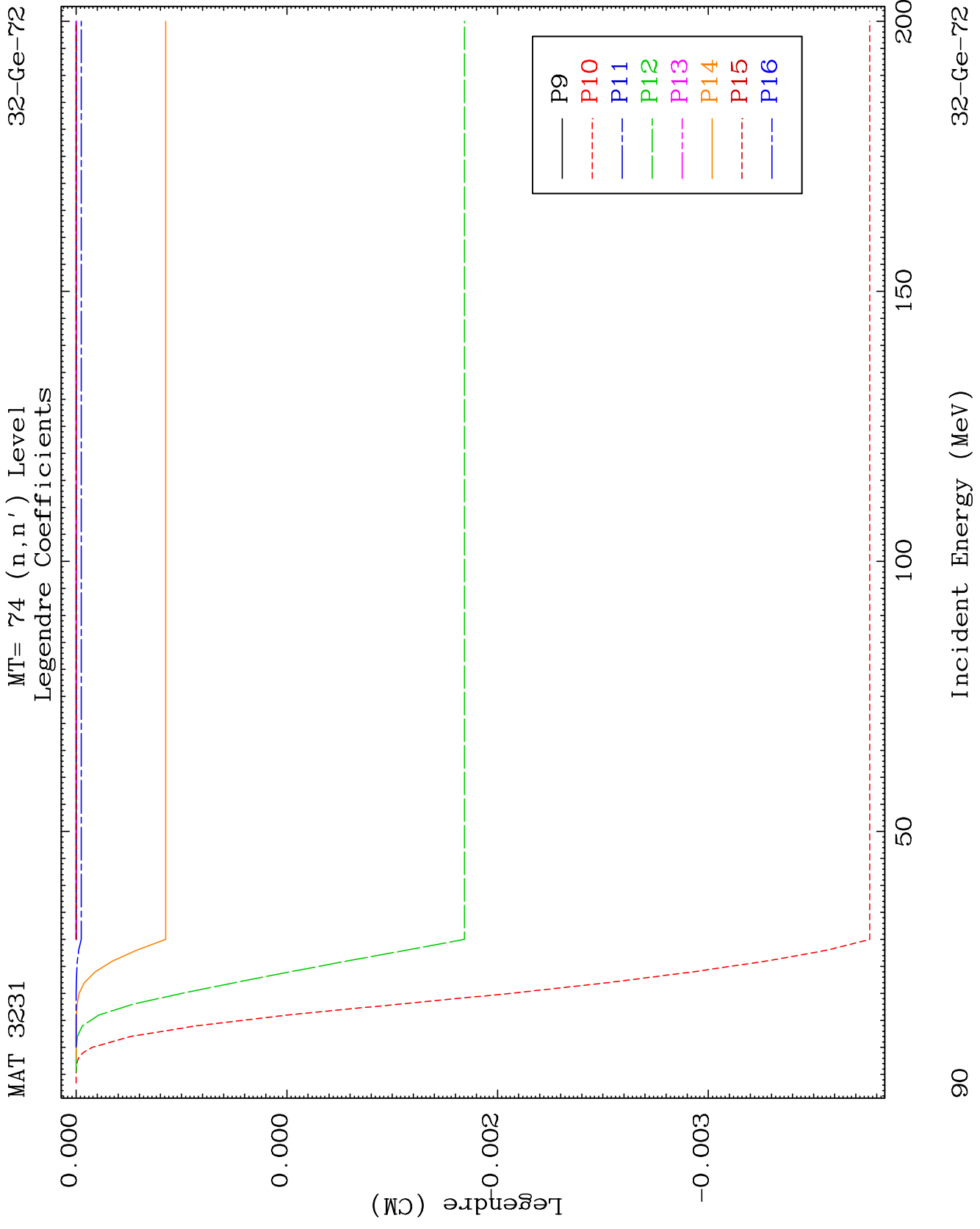


88

Incident Energy (MeV)

32-Ge-72

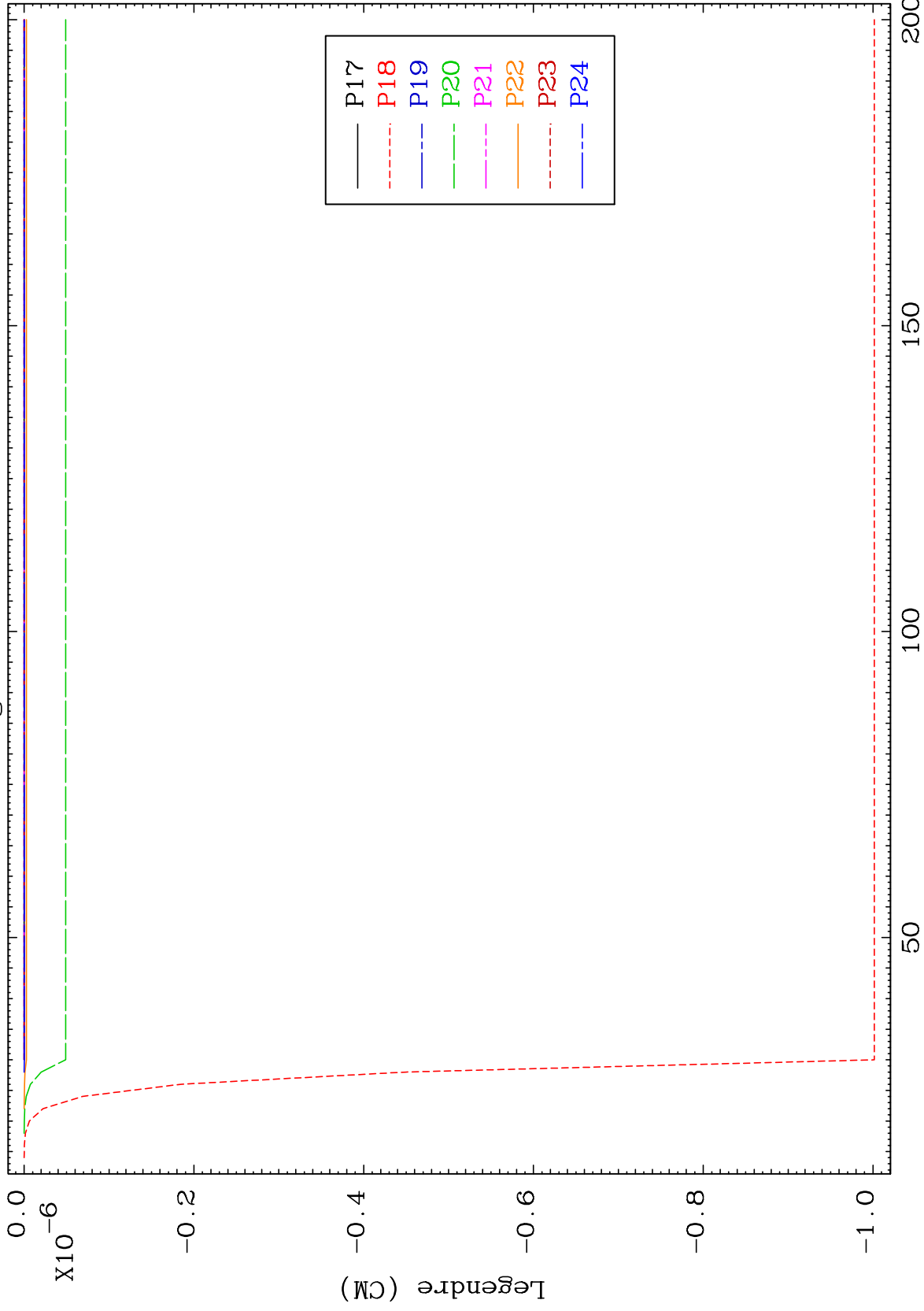




MAT 3231

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

32-Ge-72



91

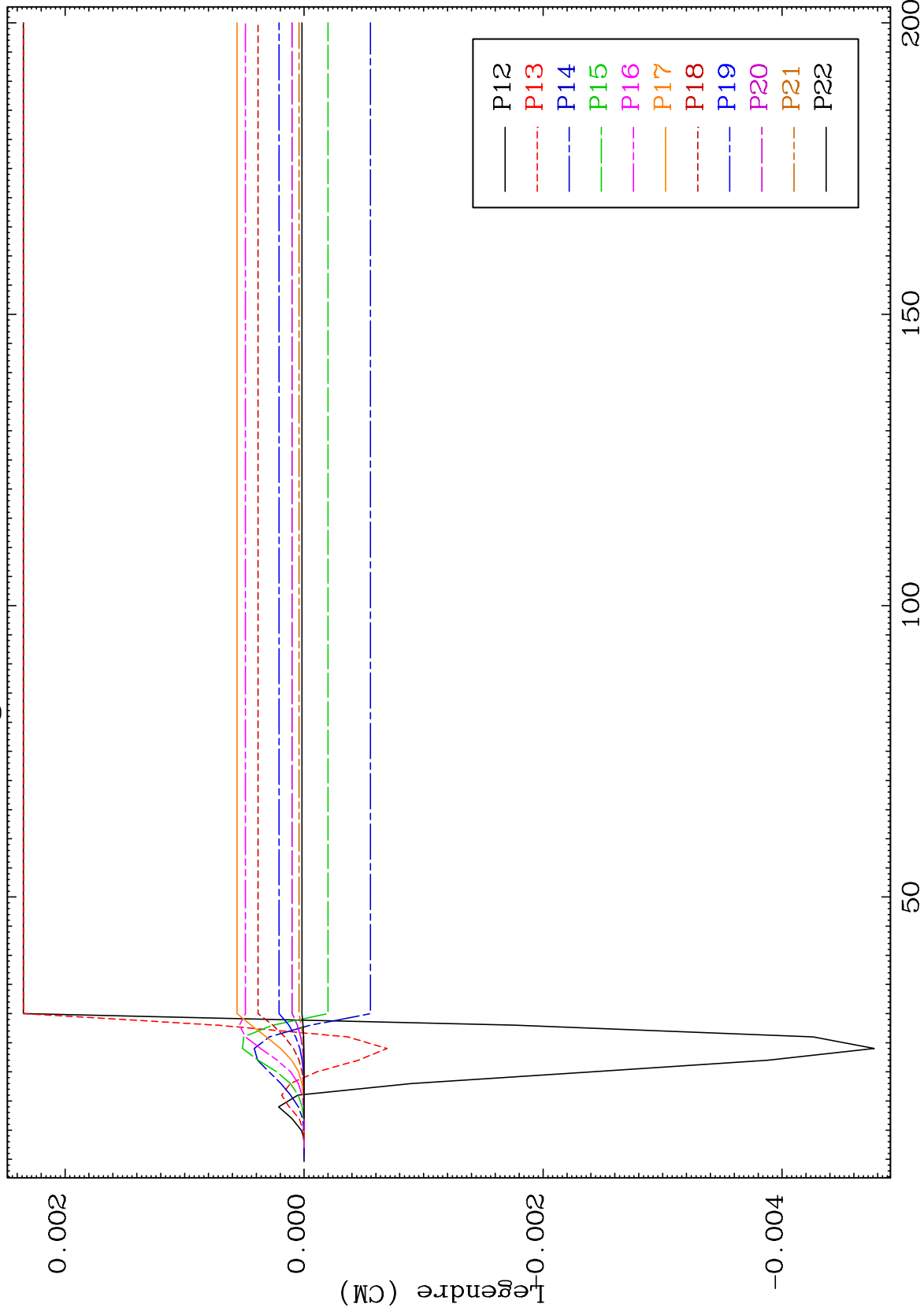
Incident Energy (MeV)

32-Ge-72

MAT 3231

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

32-Ge-72



93

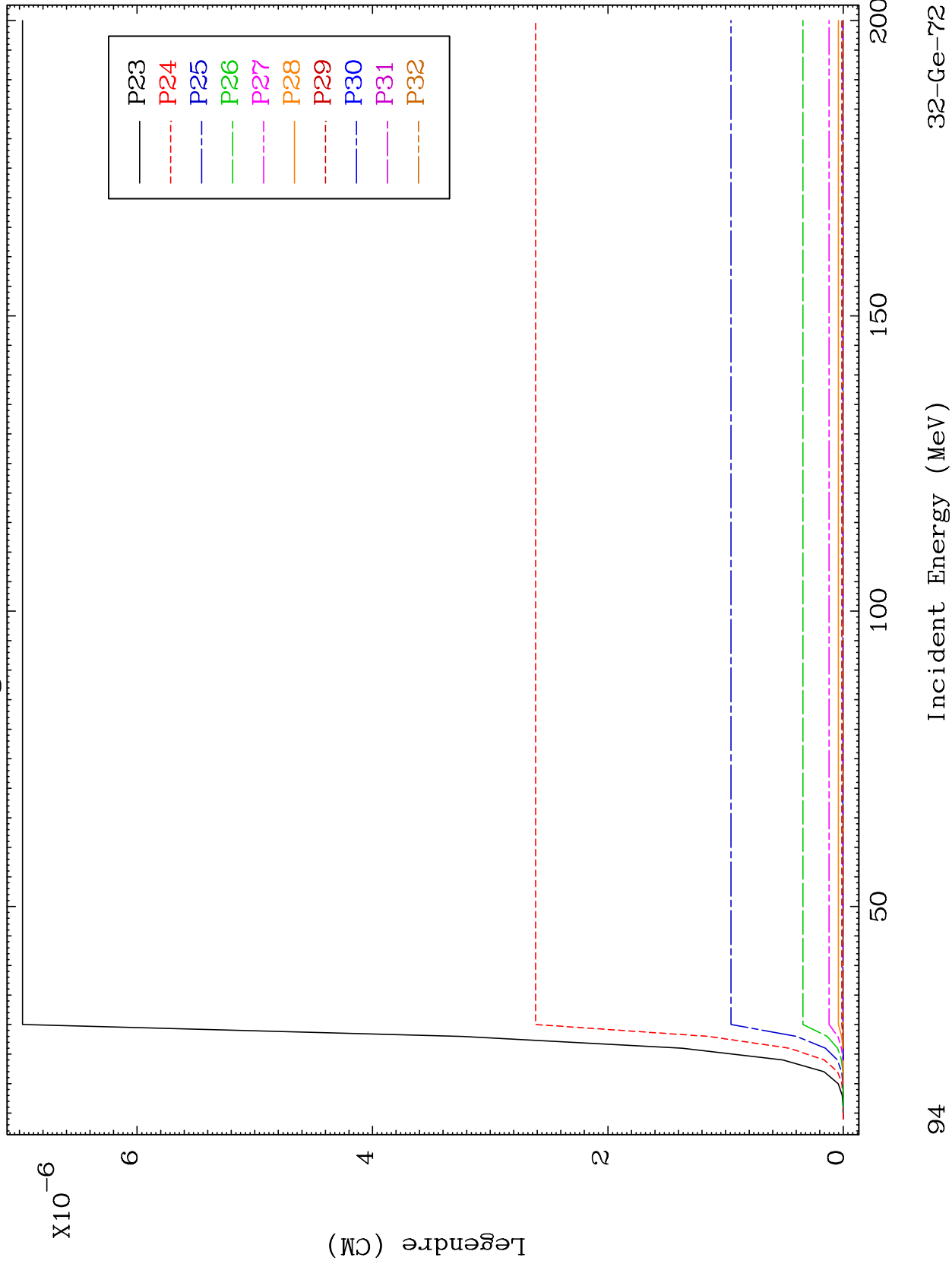
Incident Energy (MeV)

32-Ge-72

MAT 3231

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

32-Ge-72



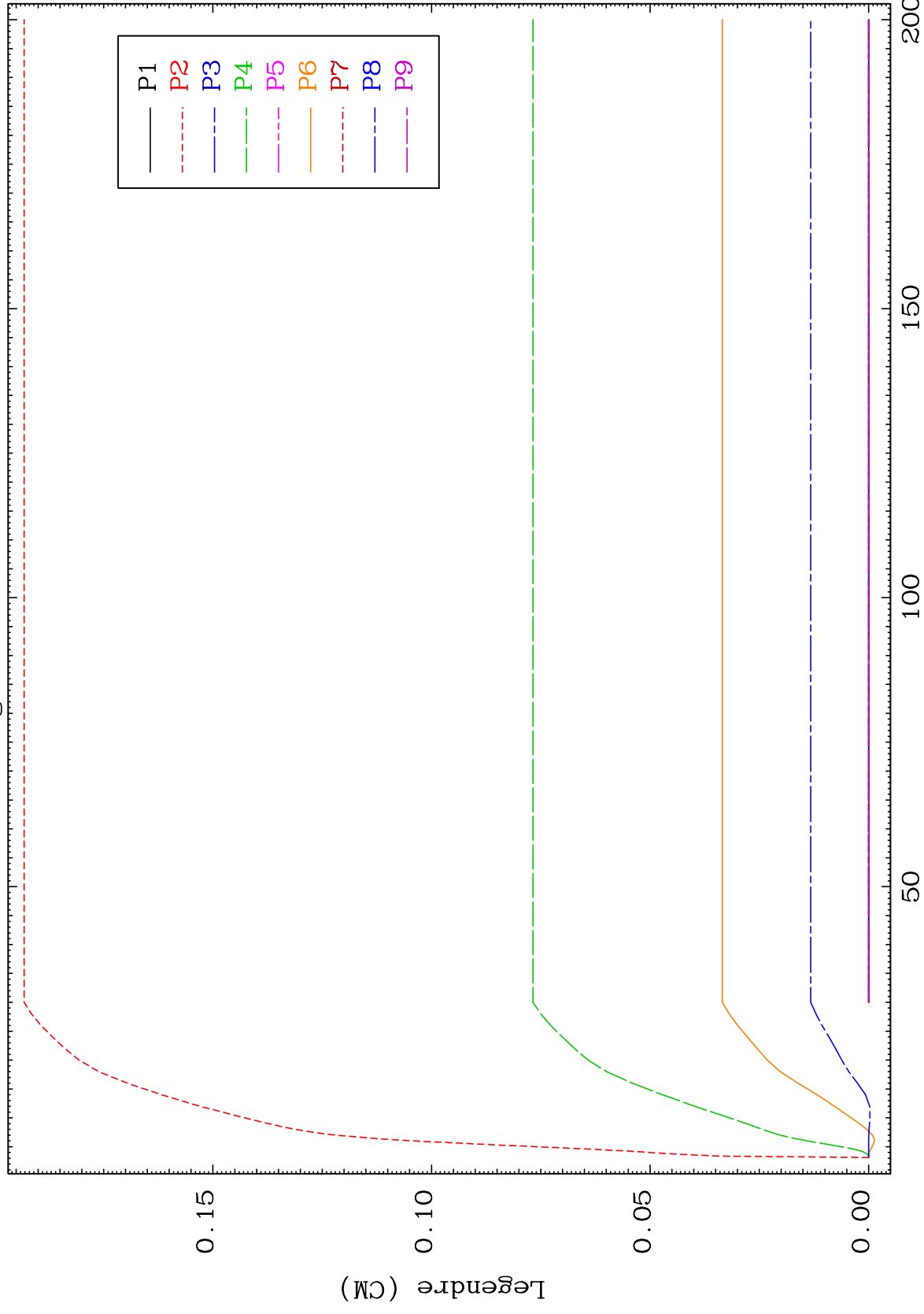
94

32-Ge-72

MAT 3231

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

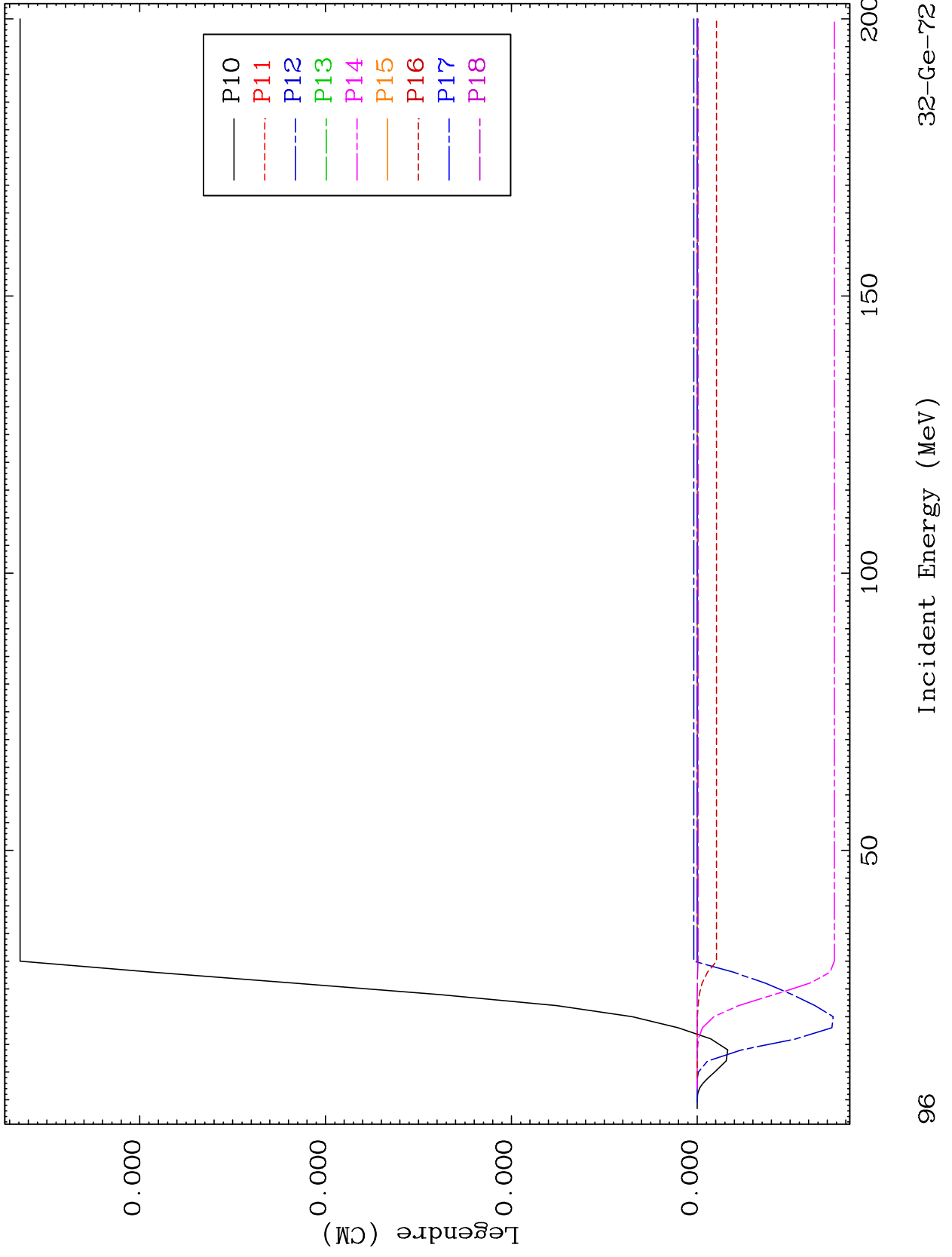
32-Ge-72



95

Incident Energy (MeV)

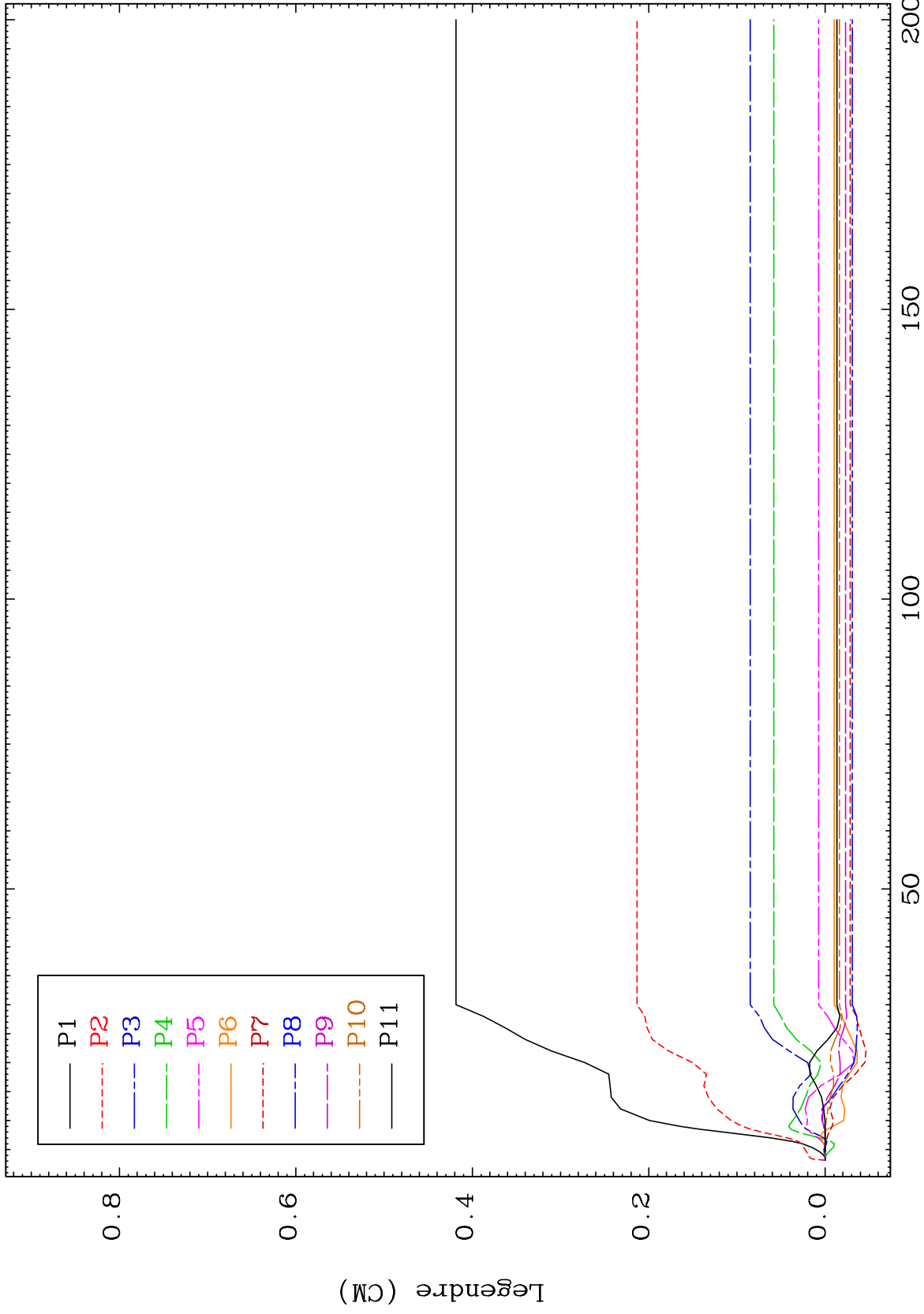
32-Ge-72



MAT 3231

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

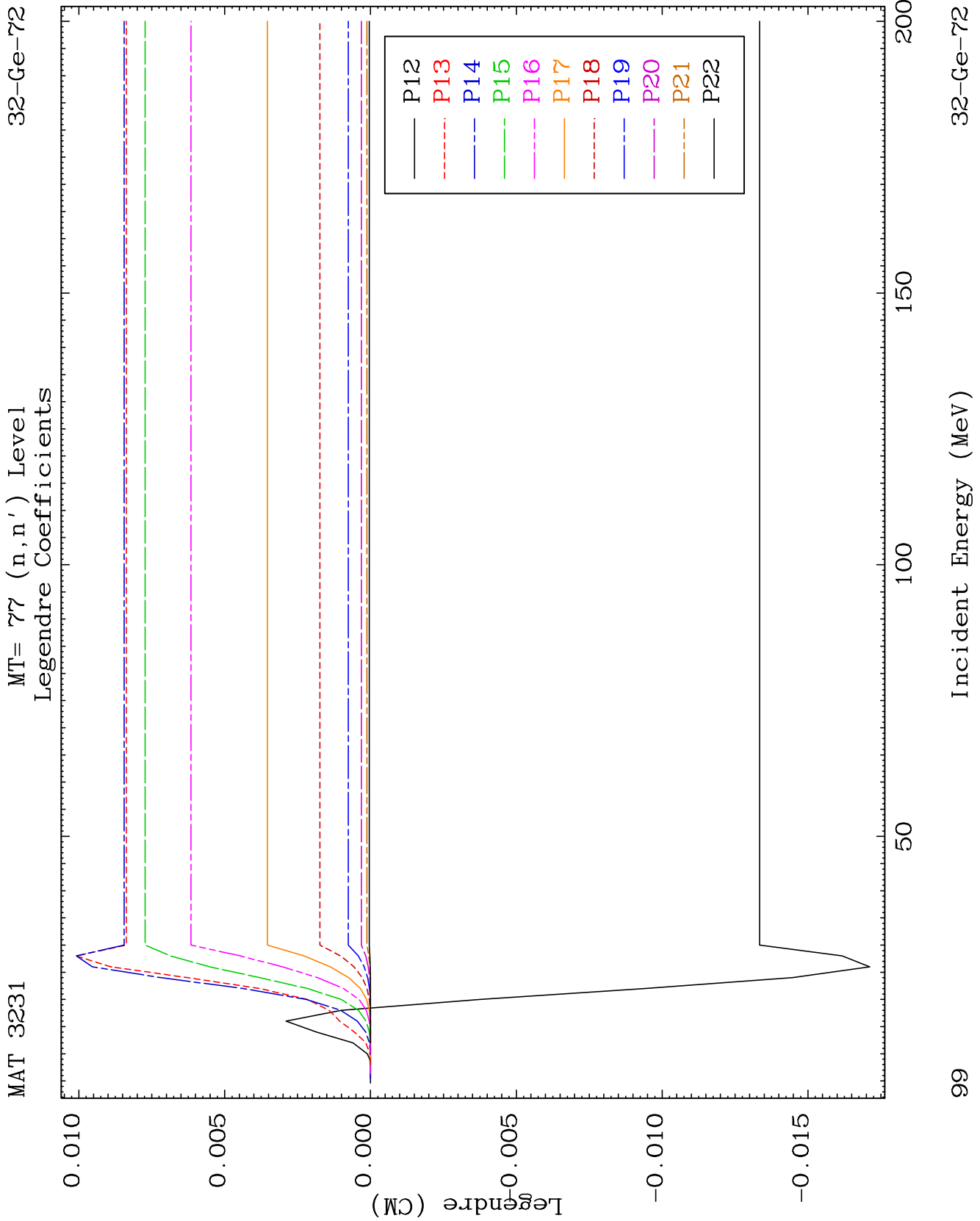
³²Ge-72



98

Incident Energy (MeV)

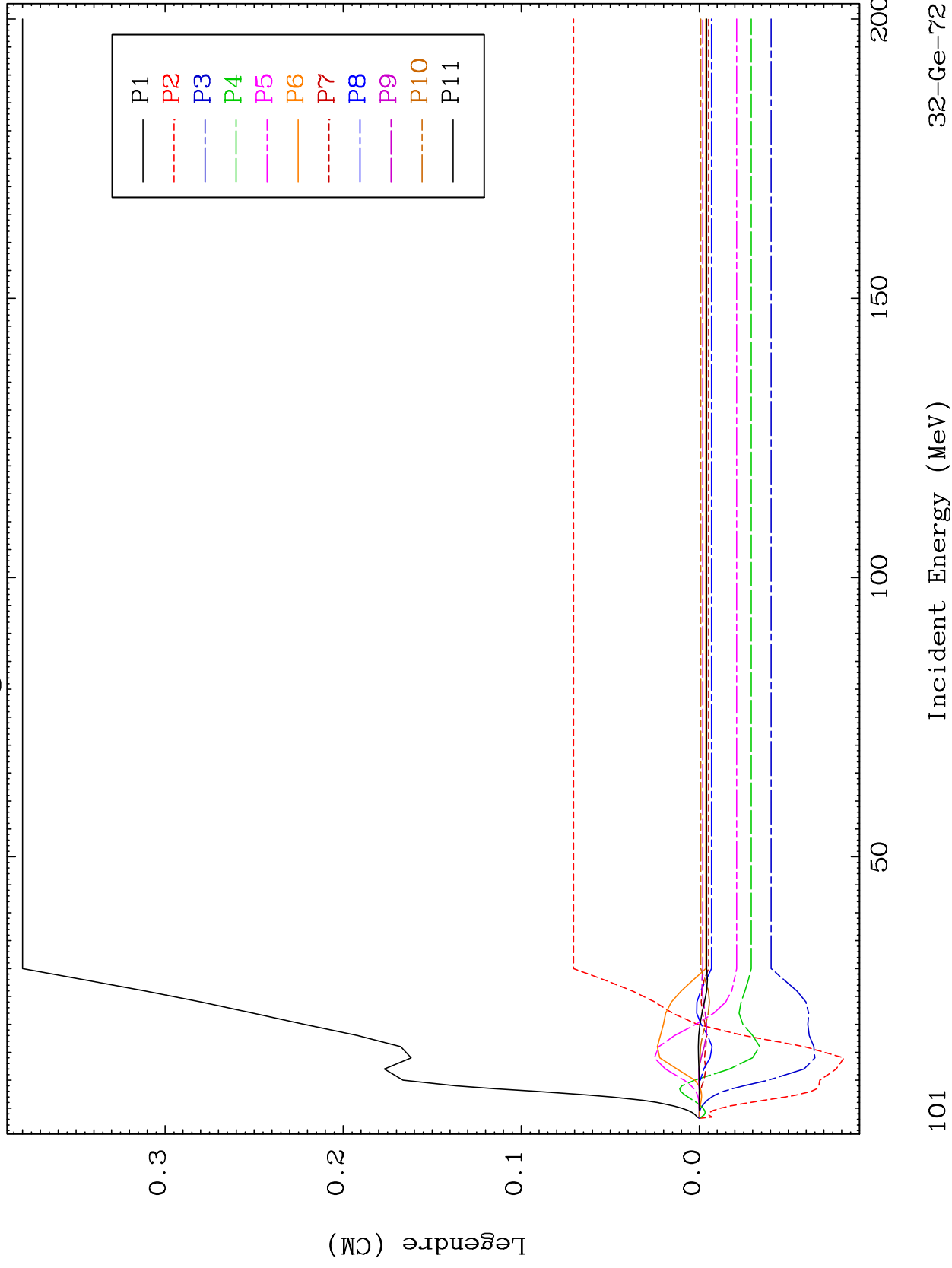
³²Ge-72



MAT 3231

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

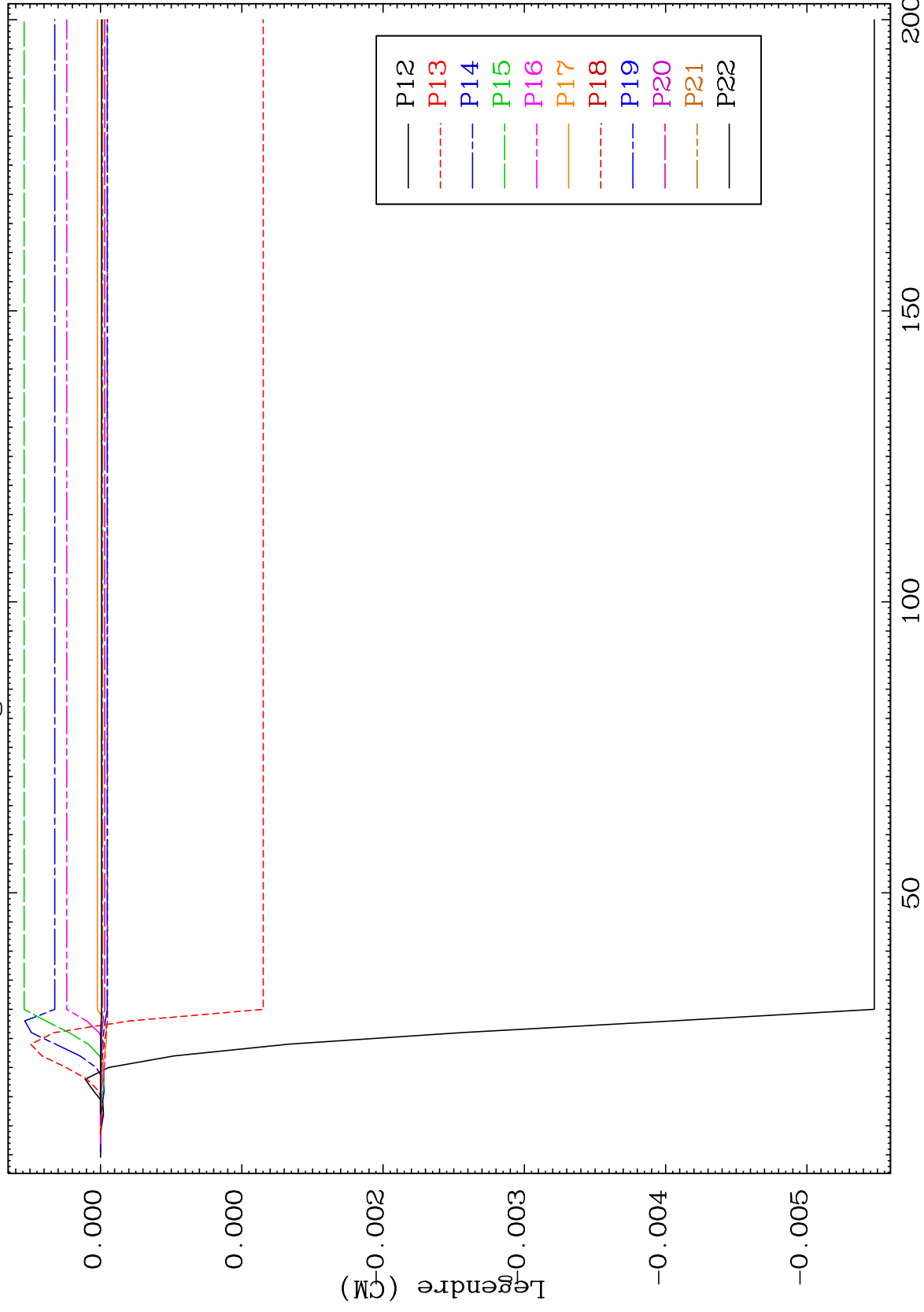
32-Ge-72



MAT 3231

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

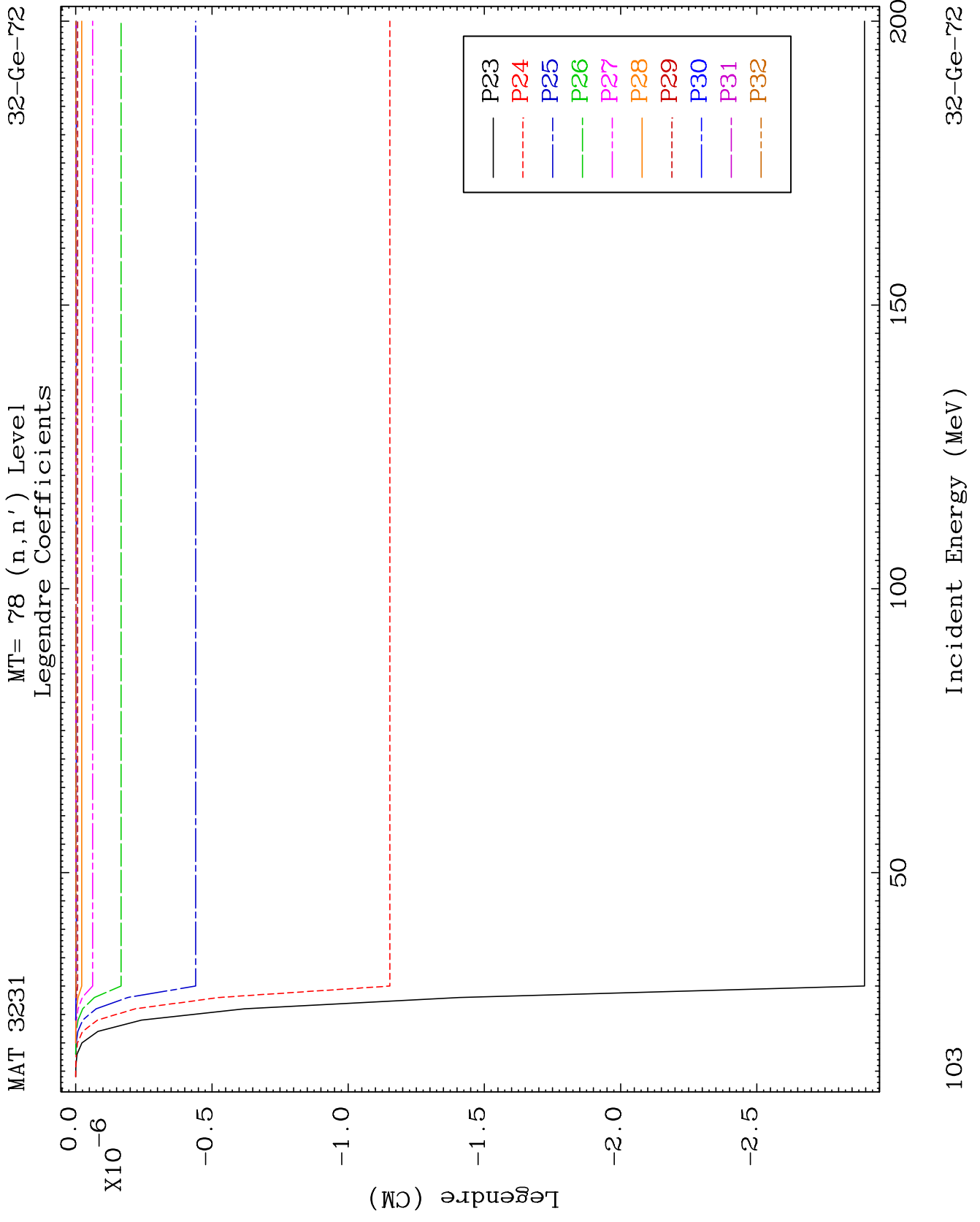
32-Ge-72



102

Incident Energy (MeV)

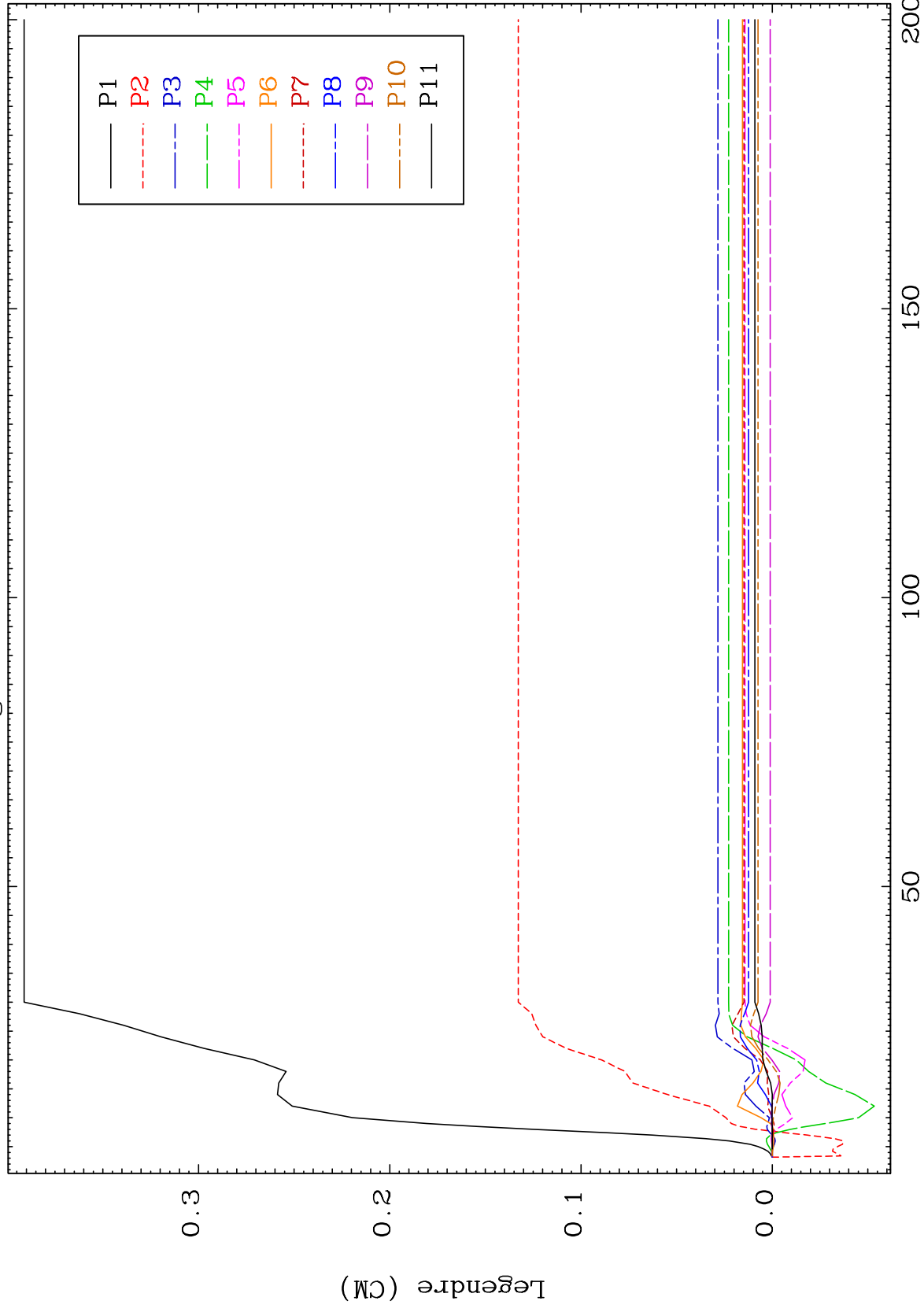
32-Ge-72



MAT 3231

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

32-Ge-72



104

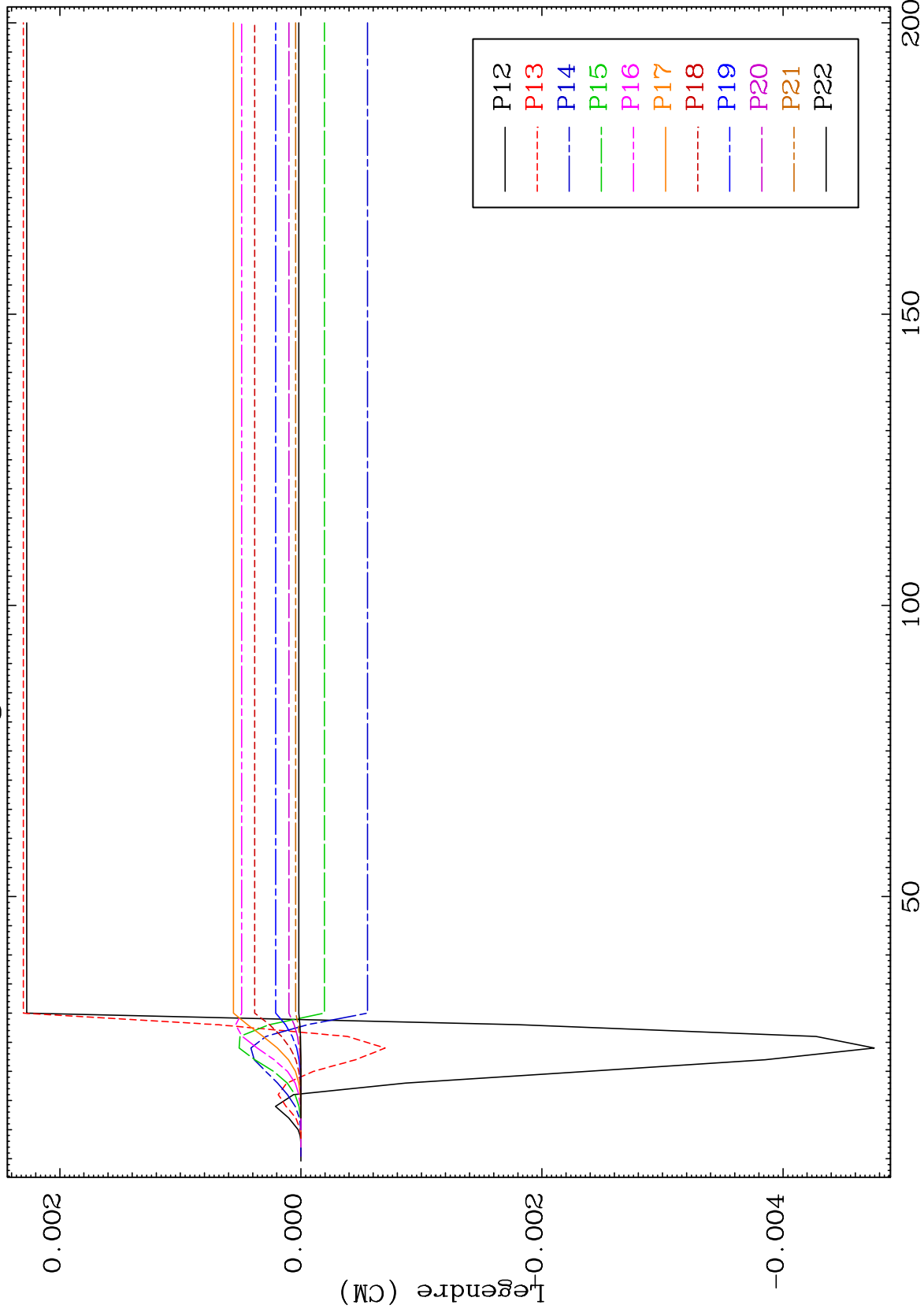
Incident Energy (MeV)

32-Ge-72

MAT 3231

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

32-Ge-72



105

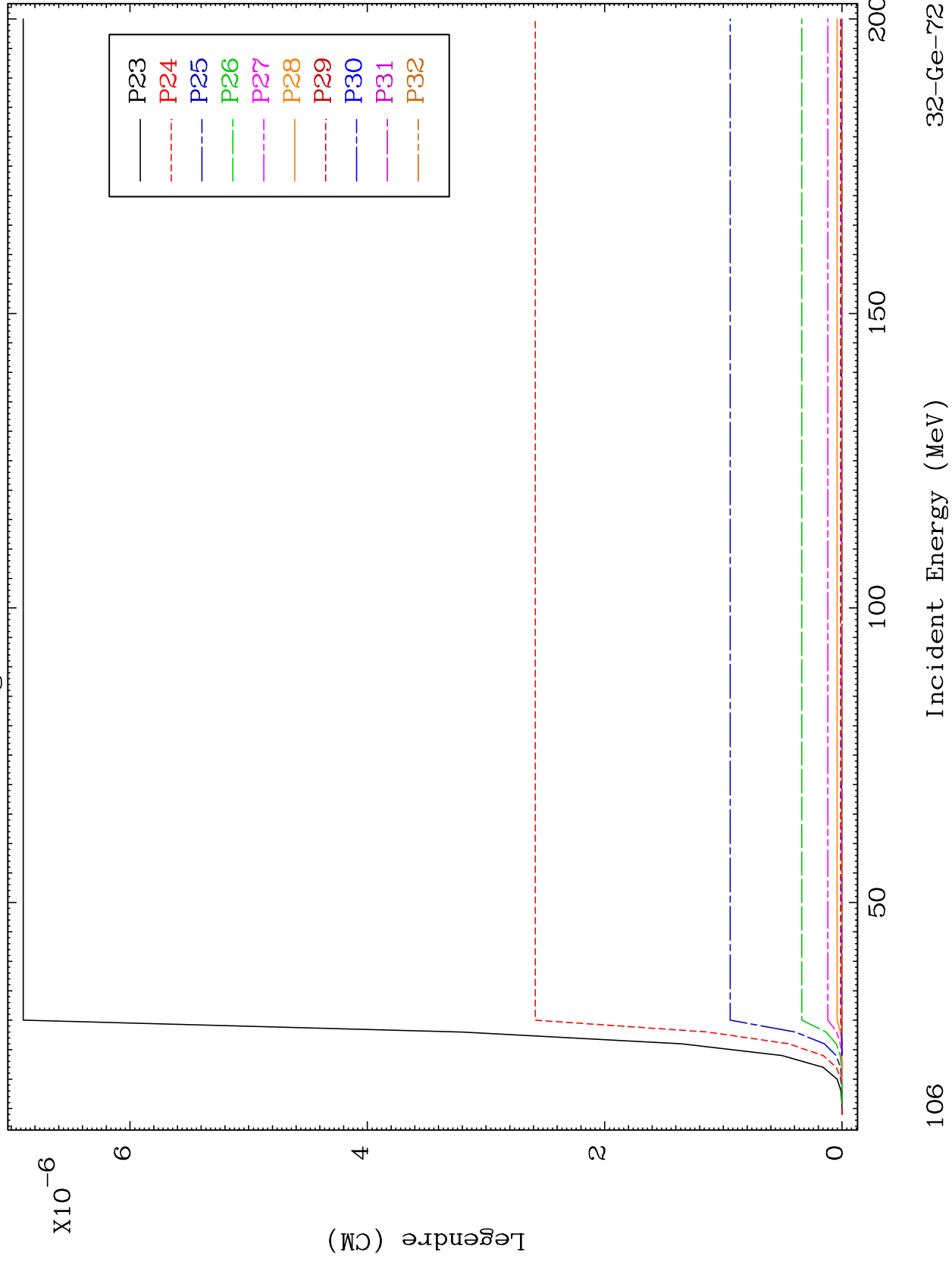
Incident Energy (MeV)

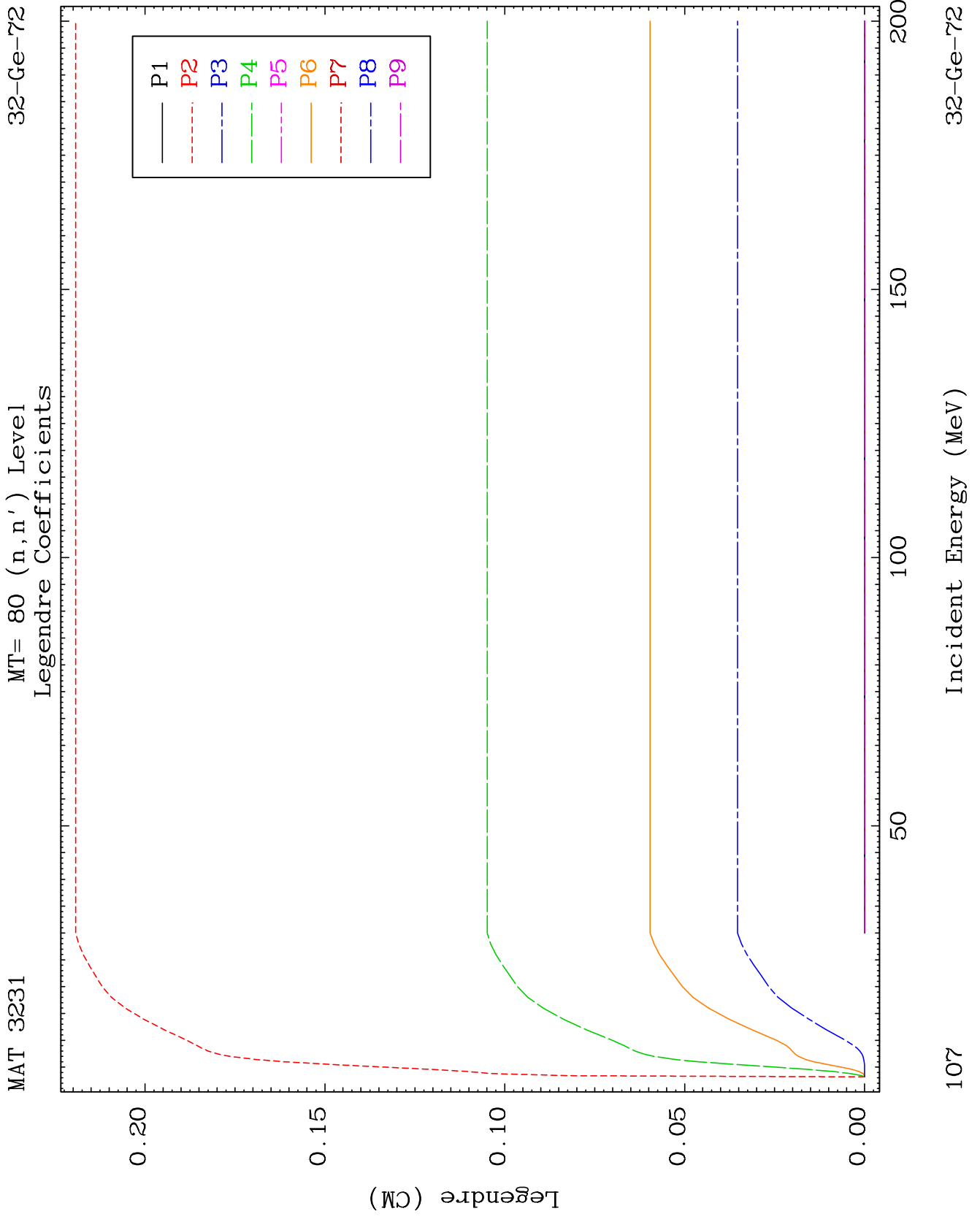
32-Ge-72

MAT 3231

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

32-Ge-72

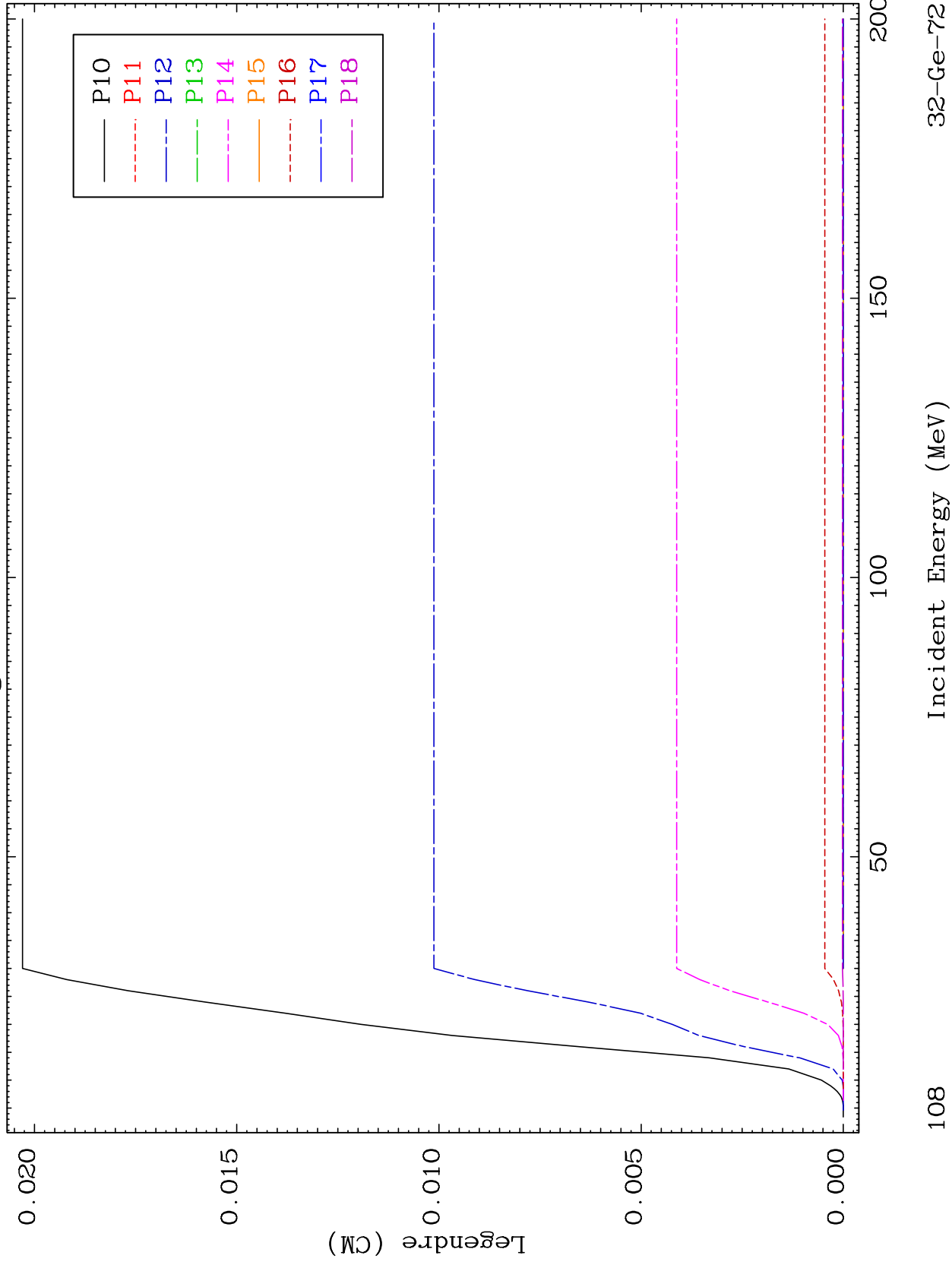




MAT 3231

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

³²Ge-72



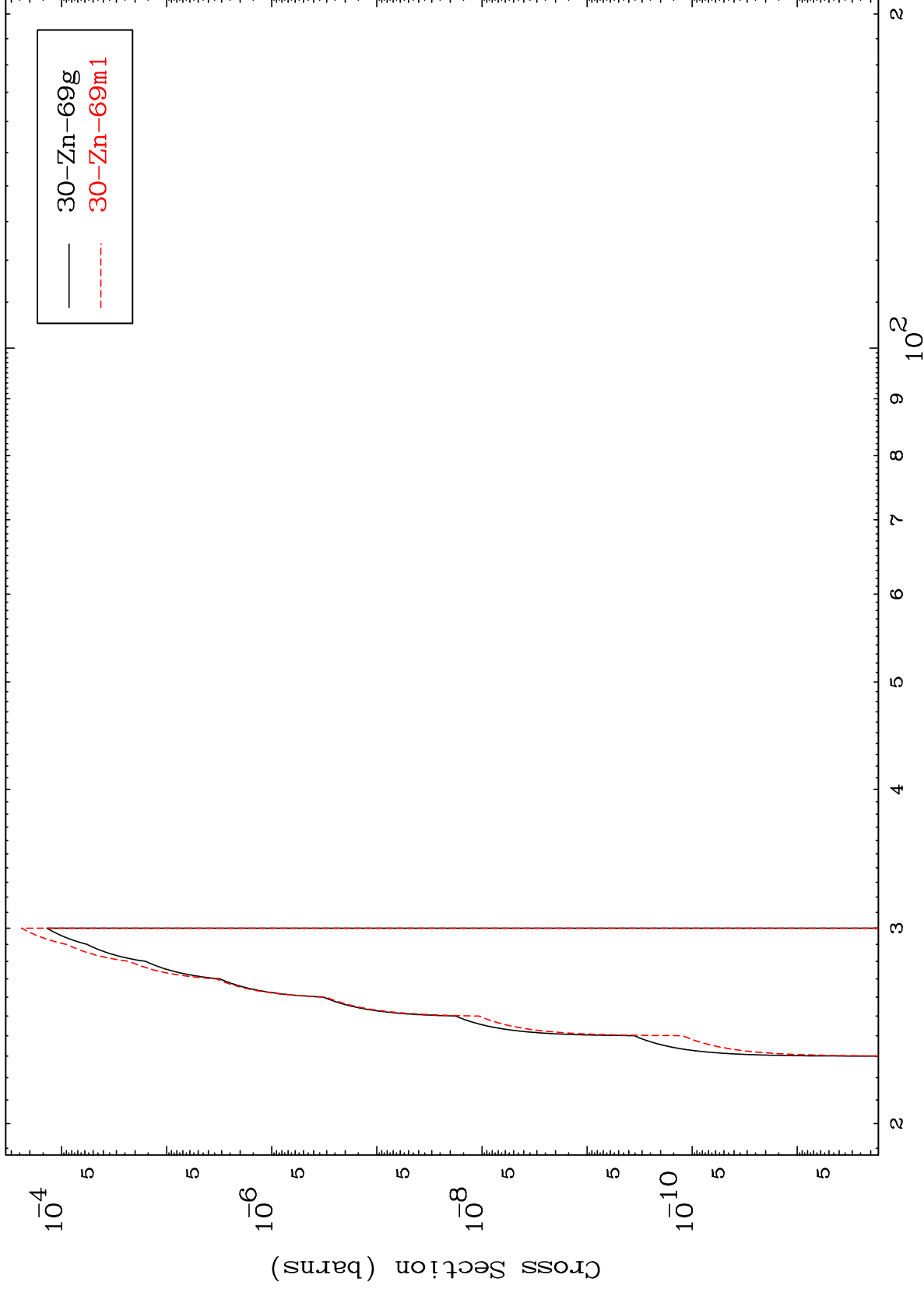
108

MAT 3231

(n,n') He-3

32-Ge-72

Radionuclide Production Cross Section



110

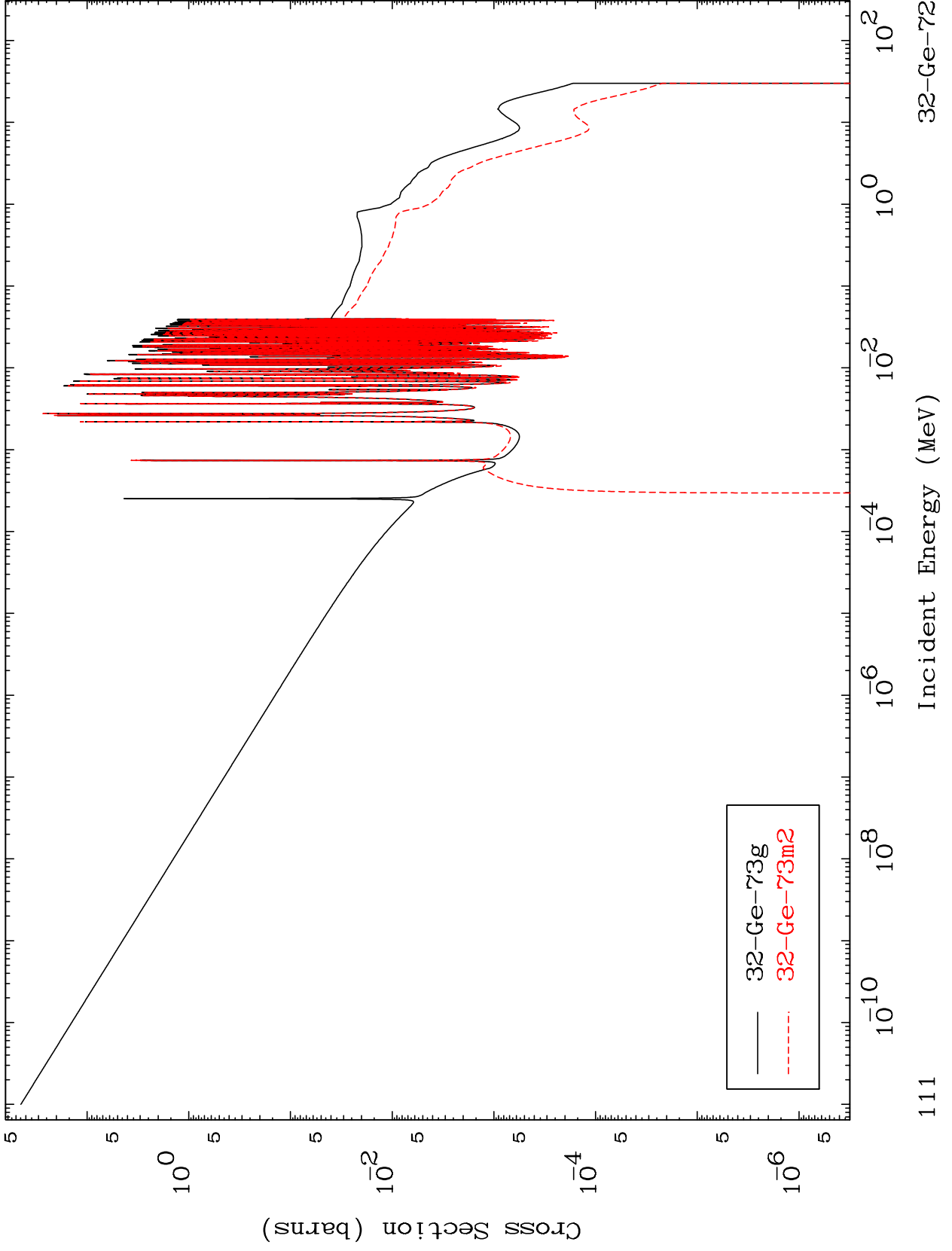
Incident Energy (MeV)

32-Ge-72

MAT 3231

³²Ge-72

(n,γ)
Radionuclide Production Cross Section



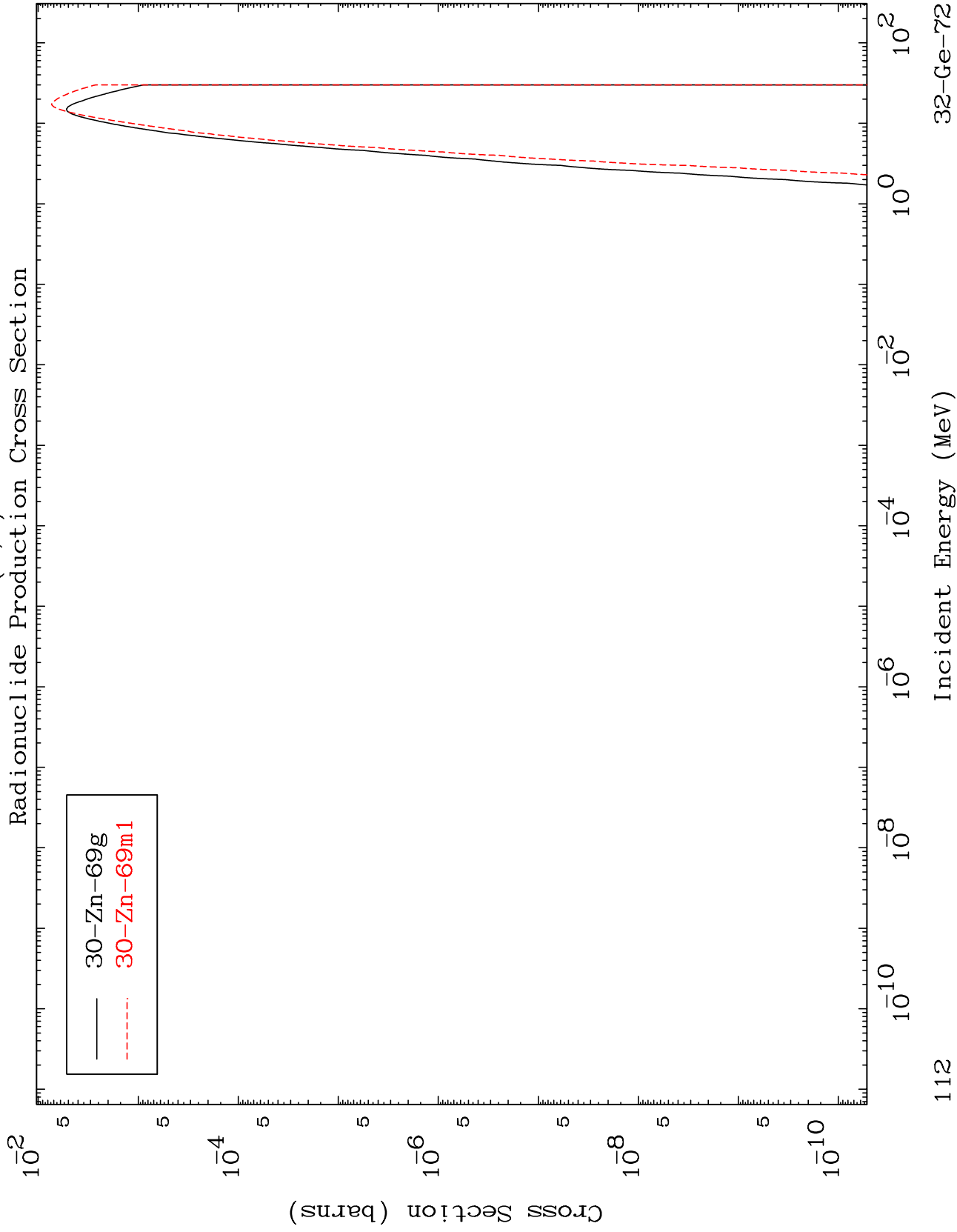
111

MAT 3231

(n, α)

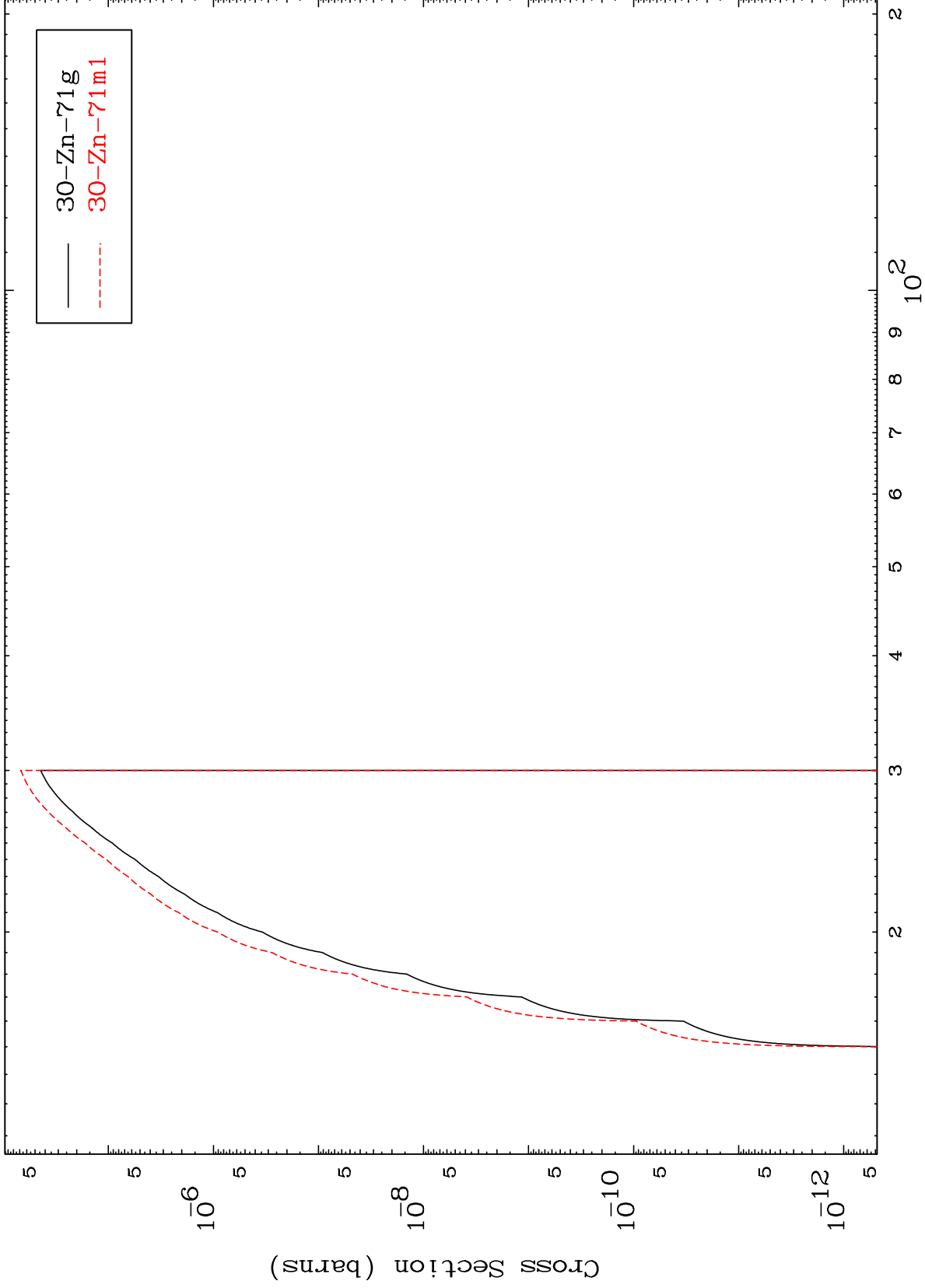
³²Ge-72

Radionuclide Production Cross Section



112

Radionuclide Production Cross Section

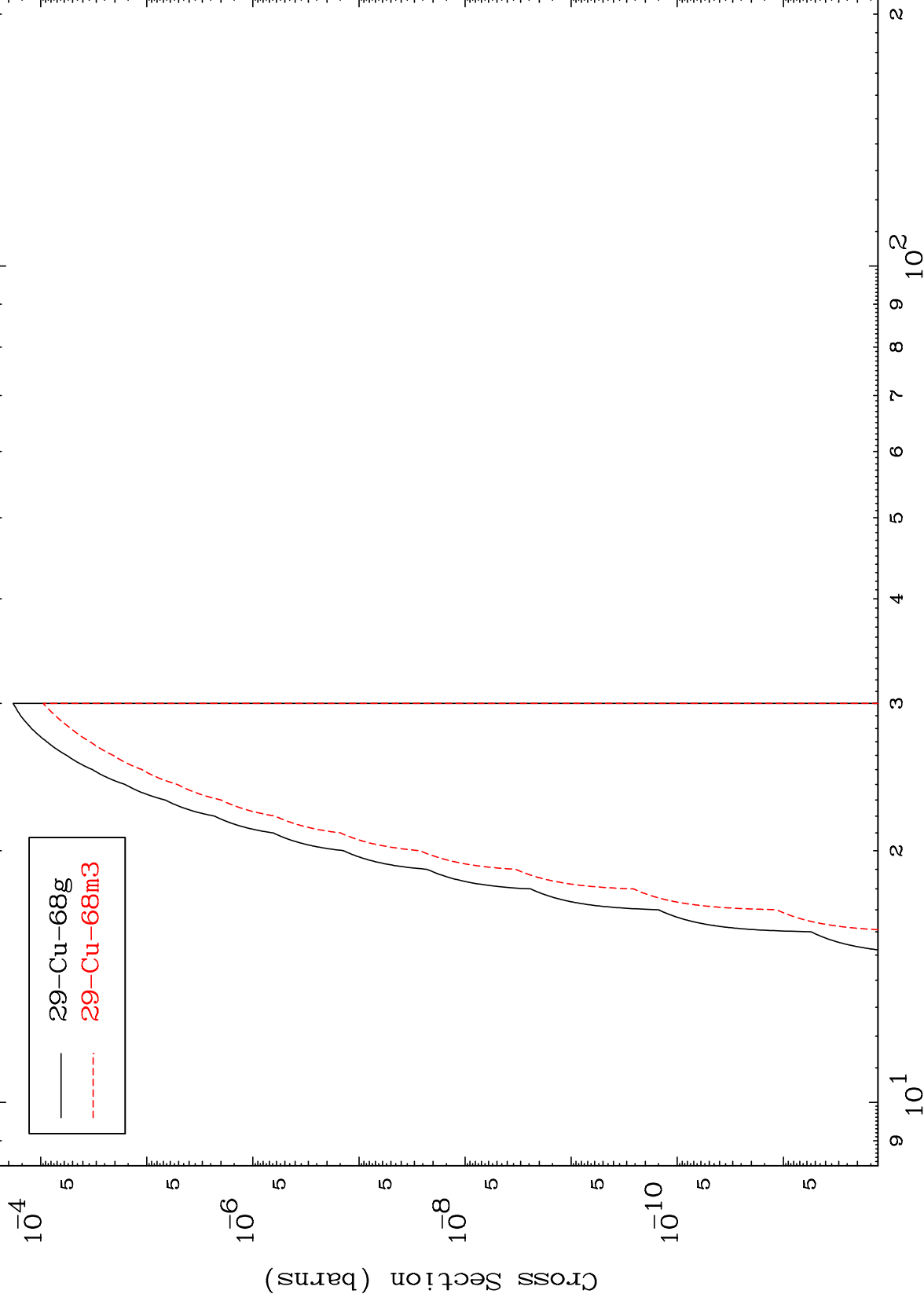


MAT 3231

(n,p) α

$^{32}\text{Ge-72}$

Radionuclide Production Cross Section



— $^{29}\text{Cu-68g}$
- - - $^{29}\text{Cu-68m3}$

114

Incident Energy (MeV)

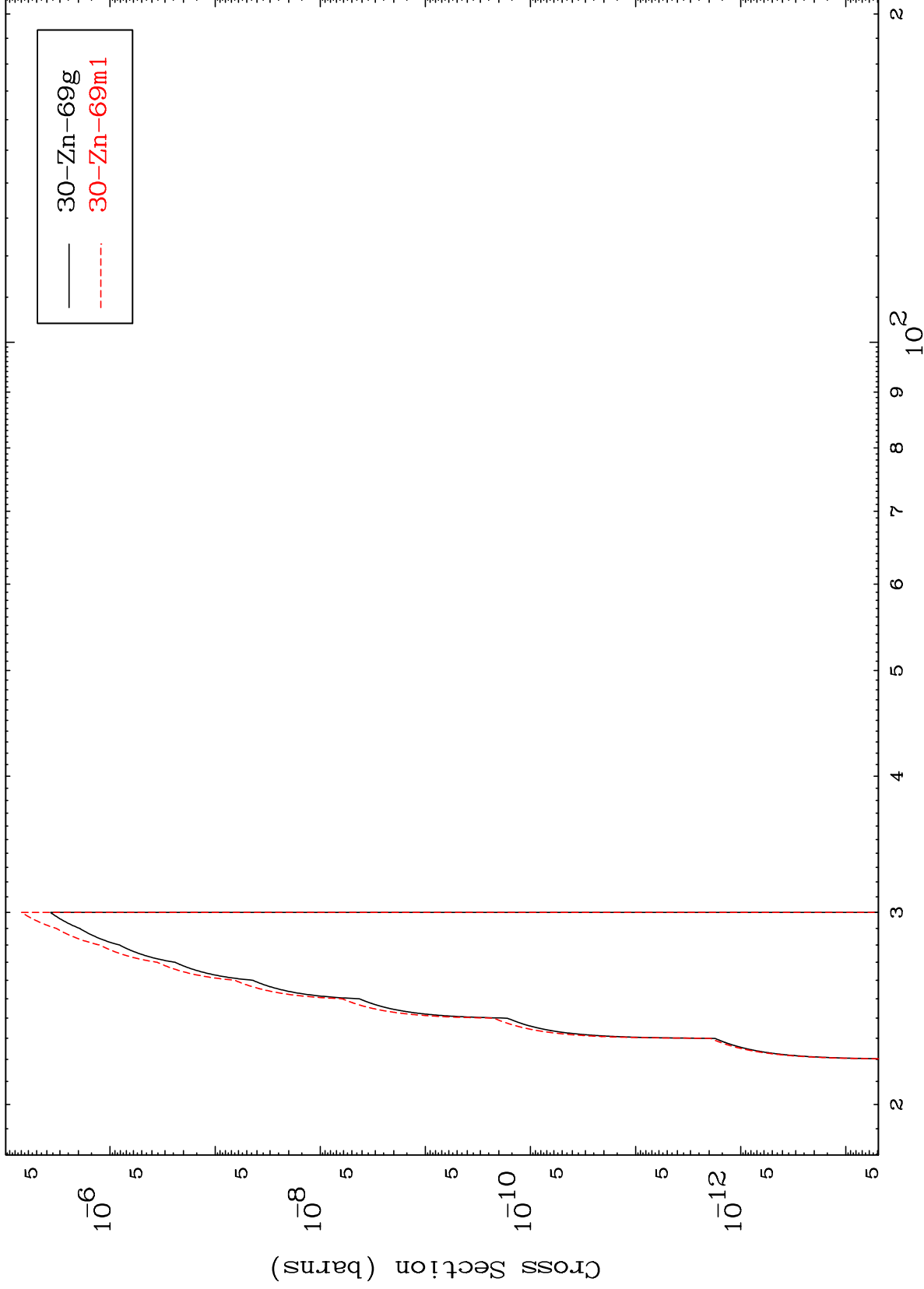
$^{32}\text{Ge-72}$

MAT 3231

(n,p) t

³²Ge-72

Radionuclide Production Cross Section



115

Incident Energy (MeV)

³²Ge-72