

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

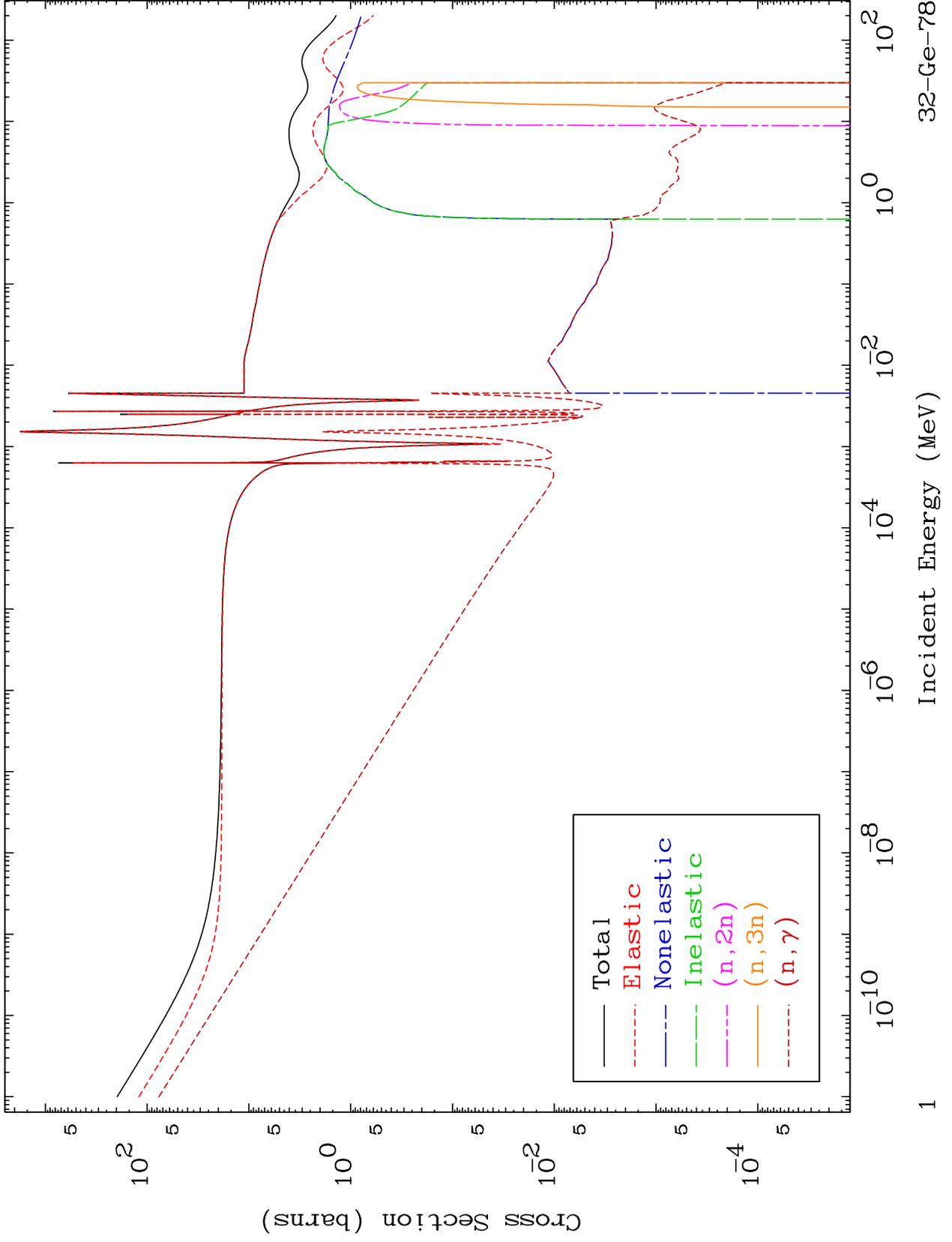
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3249

Neutron Major
293 Kelvin Cross Sections

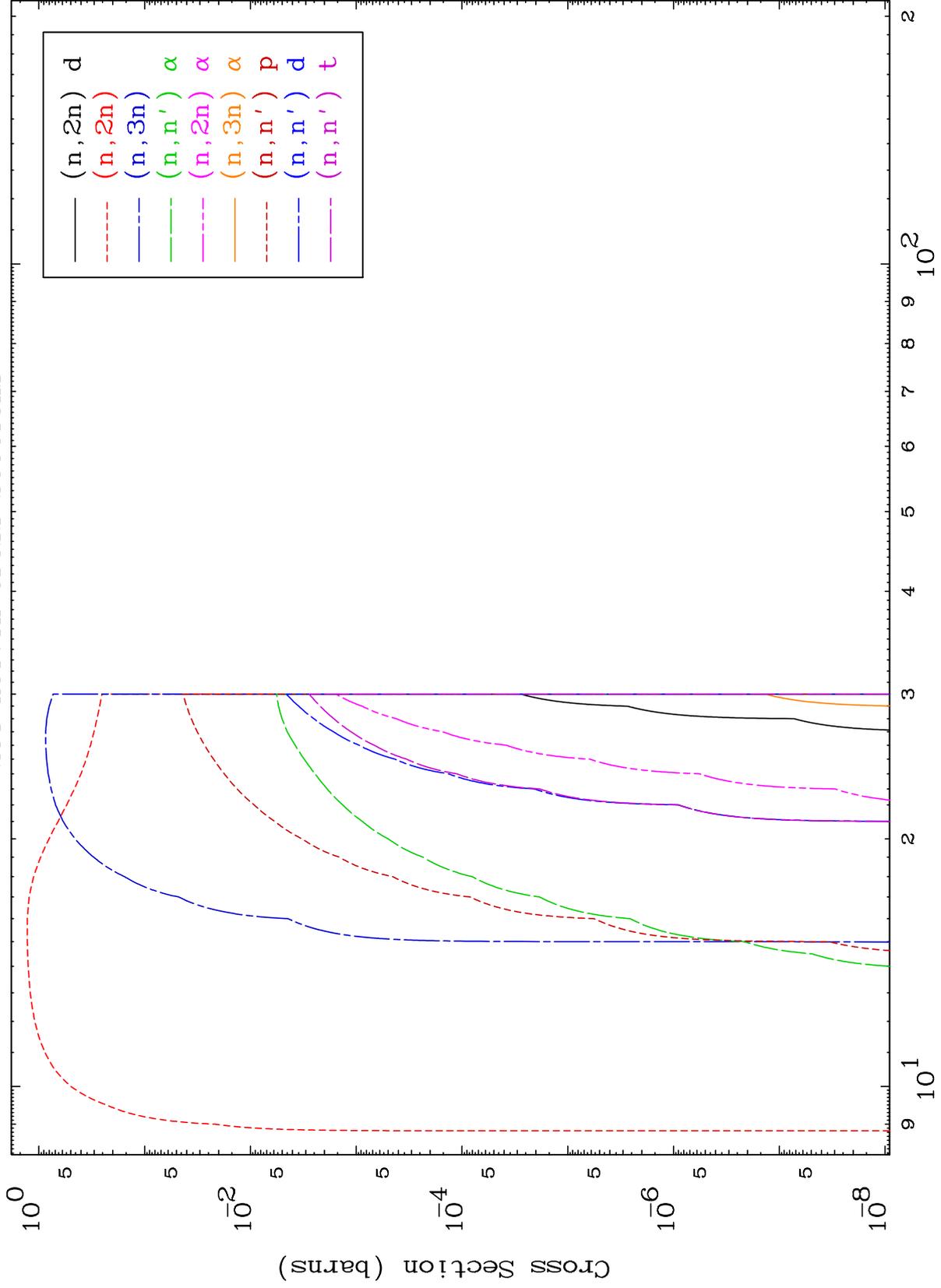
32-Ge-78



MAT 3249

Neutron Absorption 293 Kelvin Cross Sections

32-Ge-78



32-Ge-78

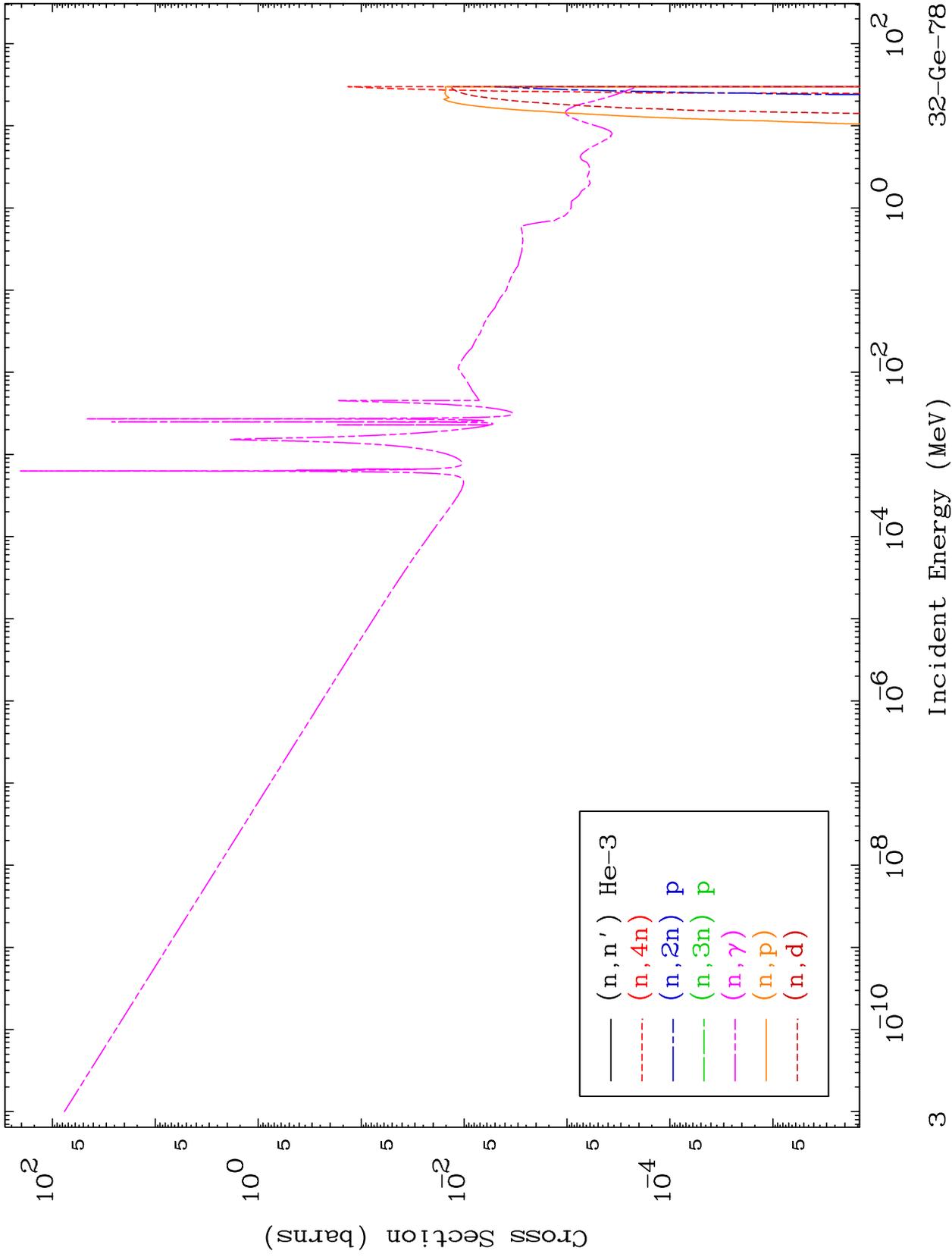
Incident Energy (MeV)

2

MAT 3249

Neutron Absorption
293 Kelvin Cross Sections

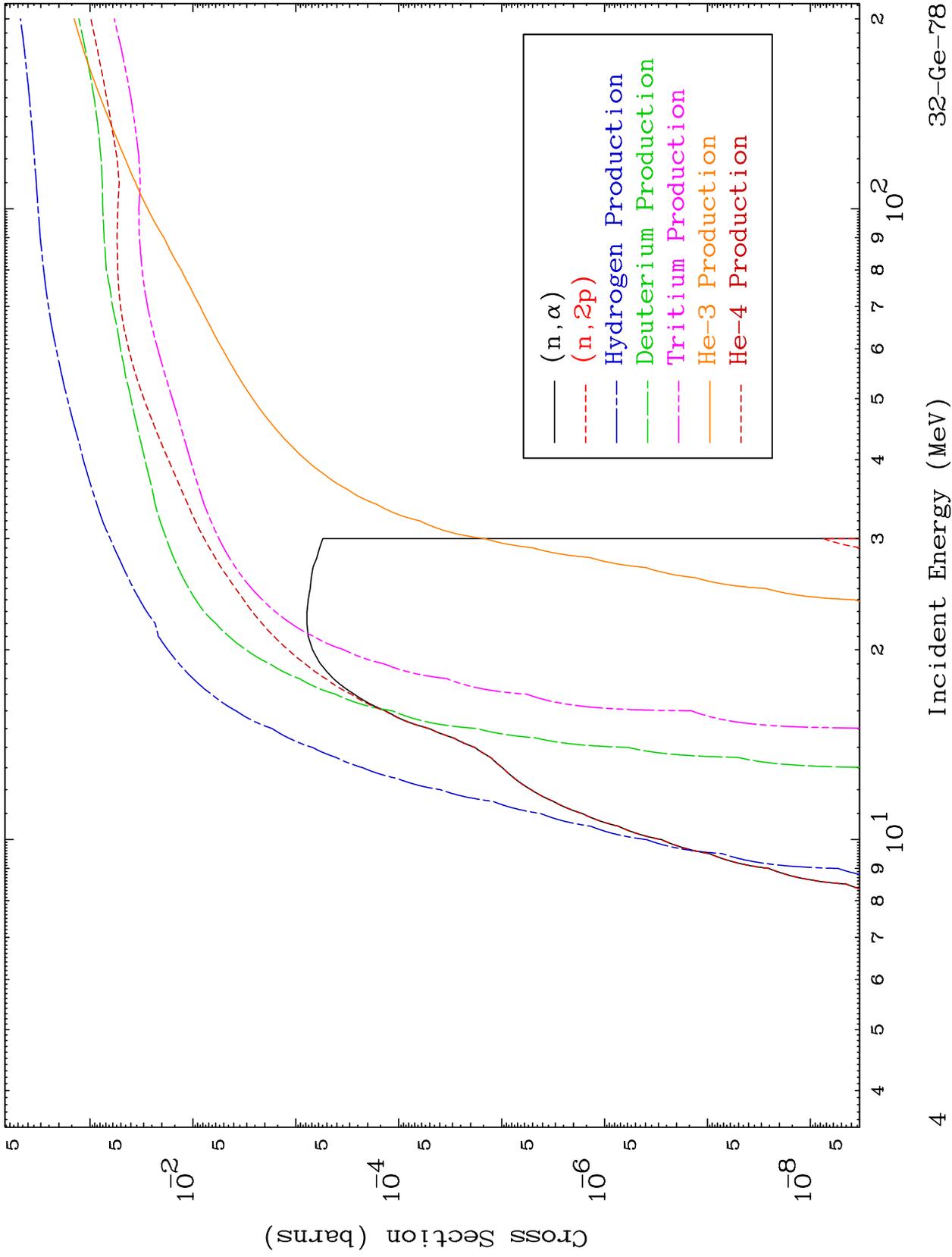
³²Ge-78



MAT 3249

Neutron Absorption
293 Kelvin Cross Sections

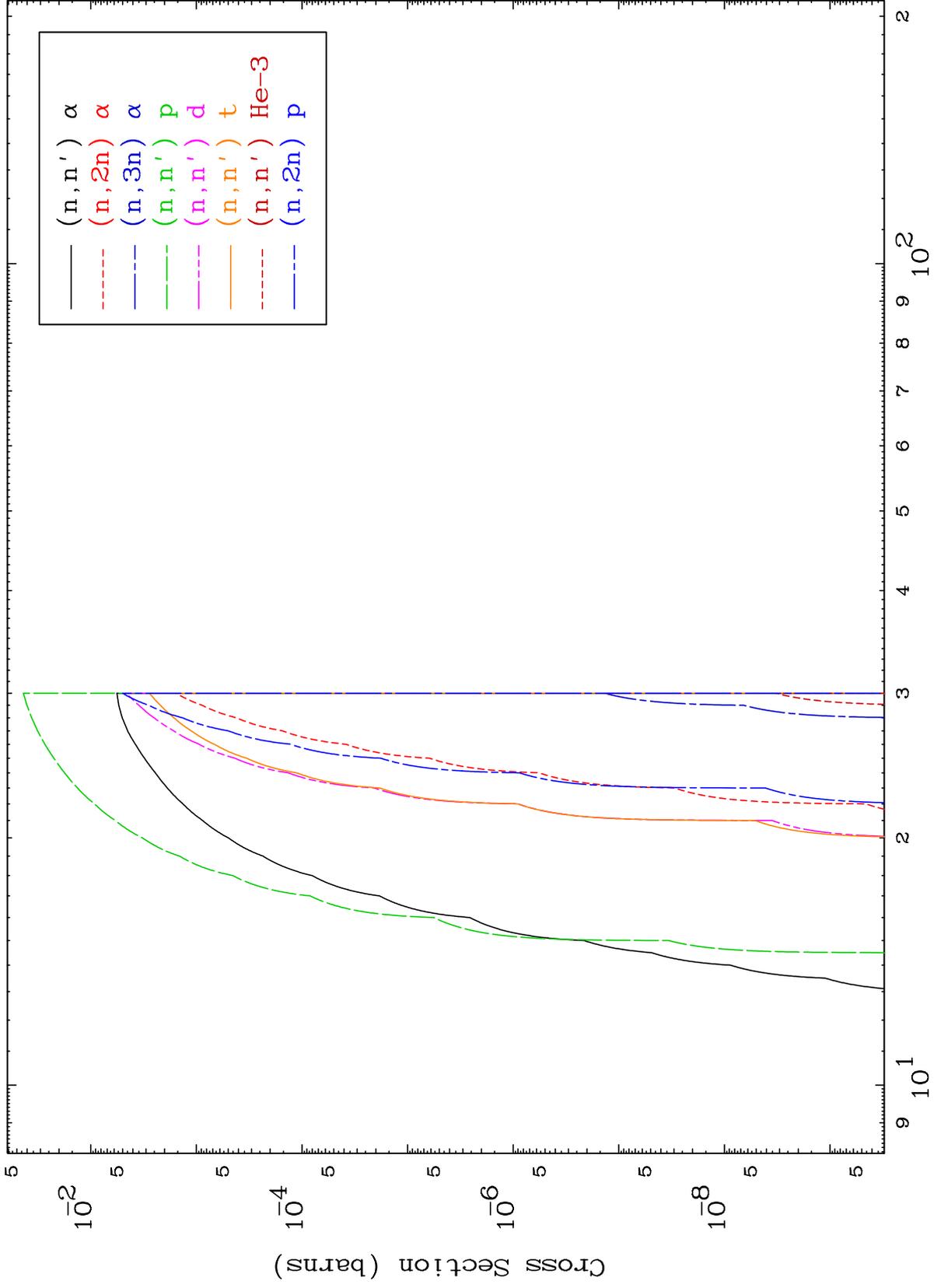
32-Ge-78



MAT 3249

Charged Particle
293 Kelvin Cross Sections

32-Ge-78



5

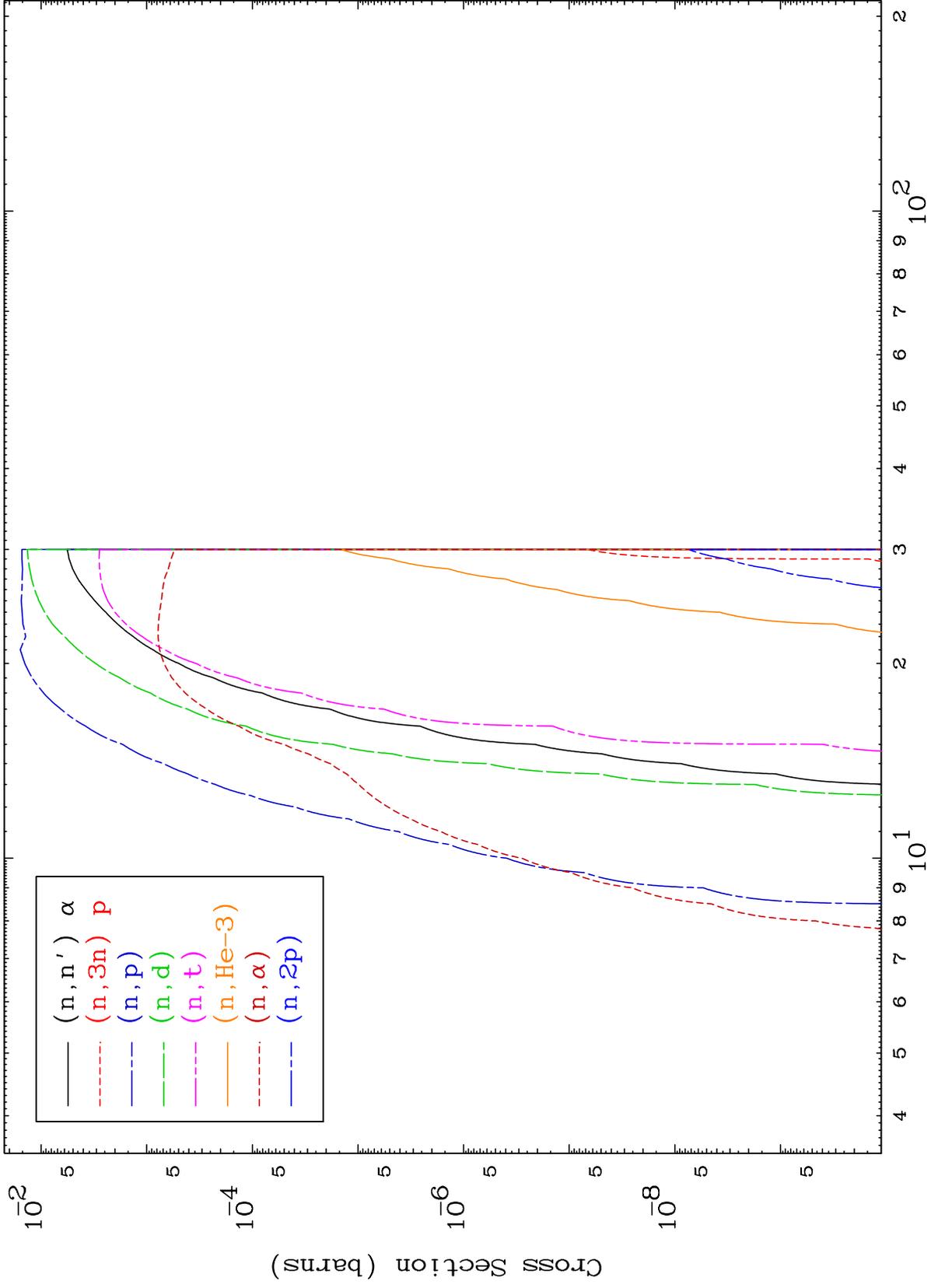
Incident Energy (MeV)

32-Ge-78

MAT 3249

Charged Particle
293 Kelvin Cross Sections

32-Ge-78



6

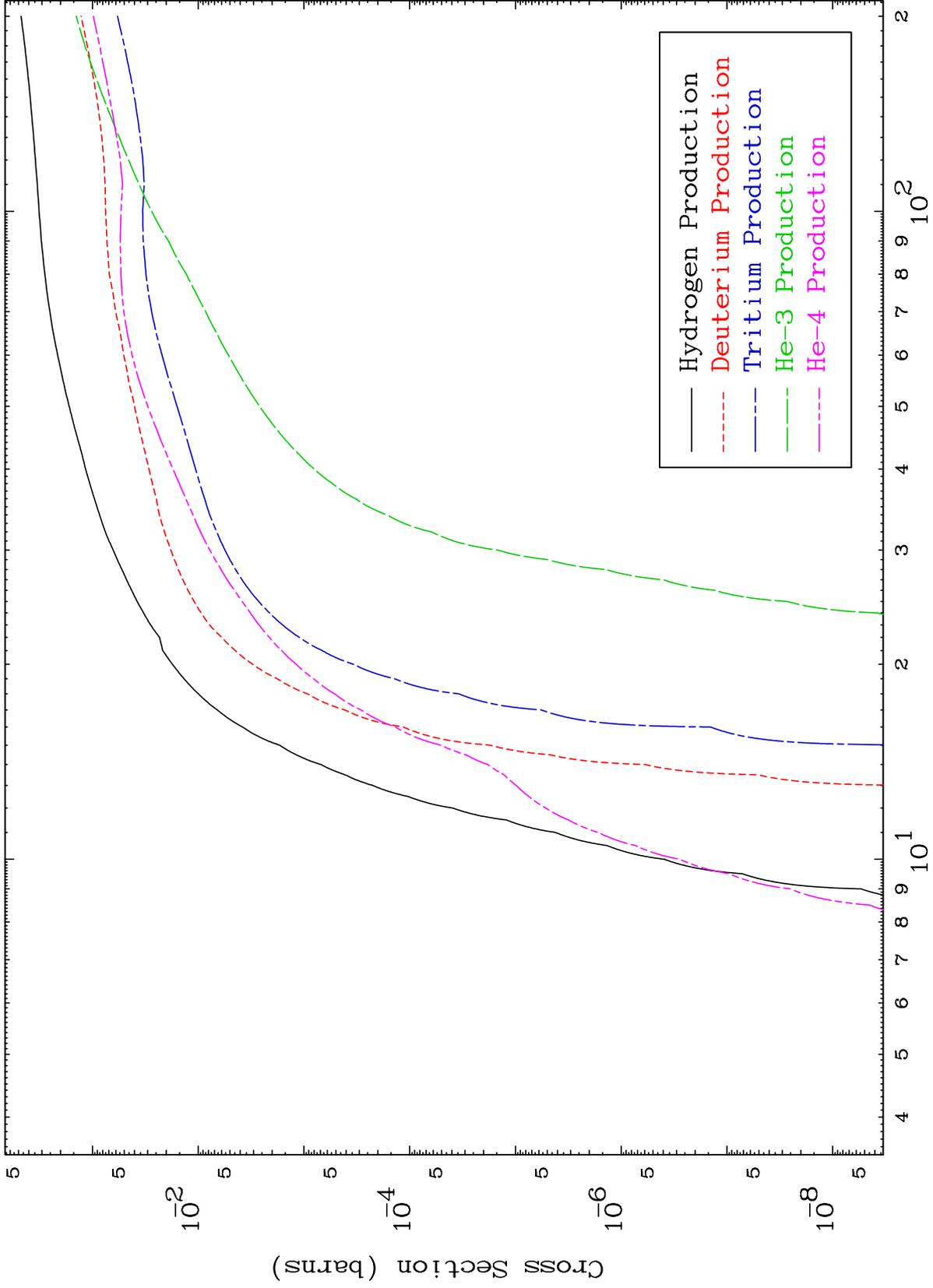
Incident Energy (MeV)

32-Ge-78

MAT 3249

Particle Production
293 Kelvin Cross Sections

32-Ge-78



7

Incident Energy (MeV)

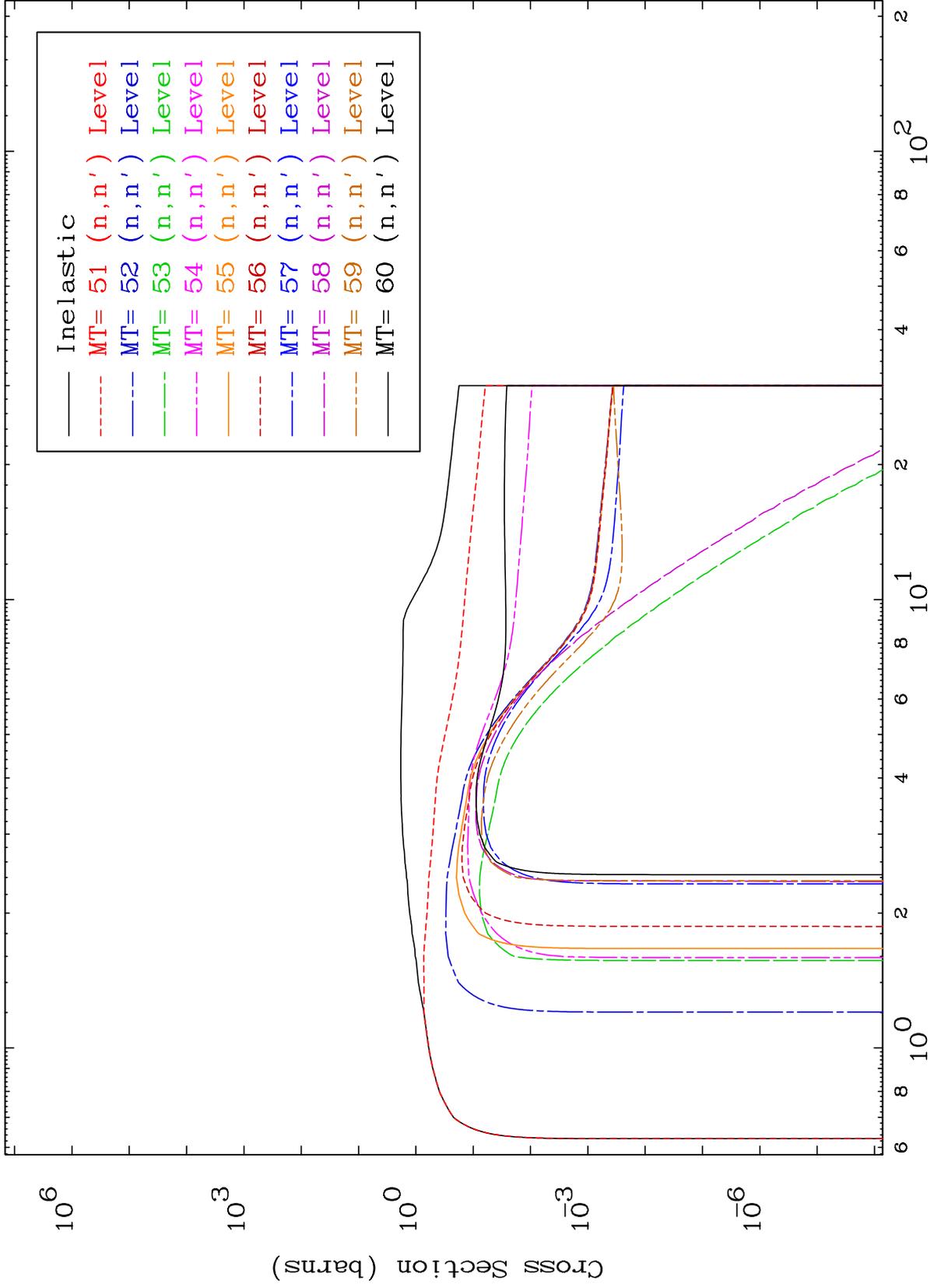
32-Ge-78

MAT 3249

(n,n') Levels

32-Ge-78

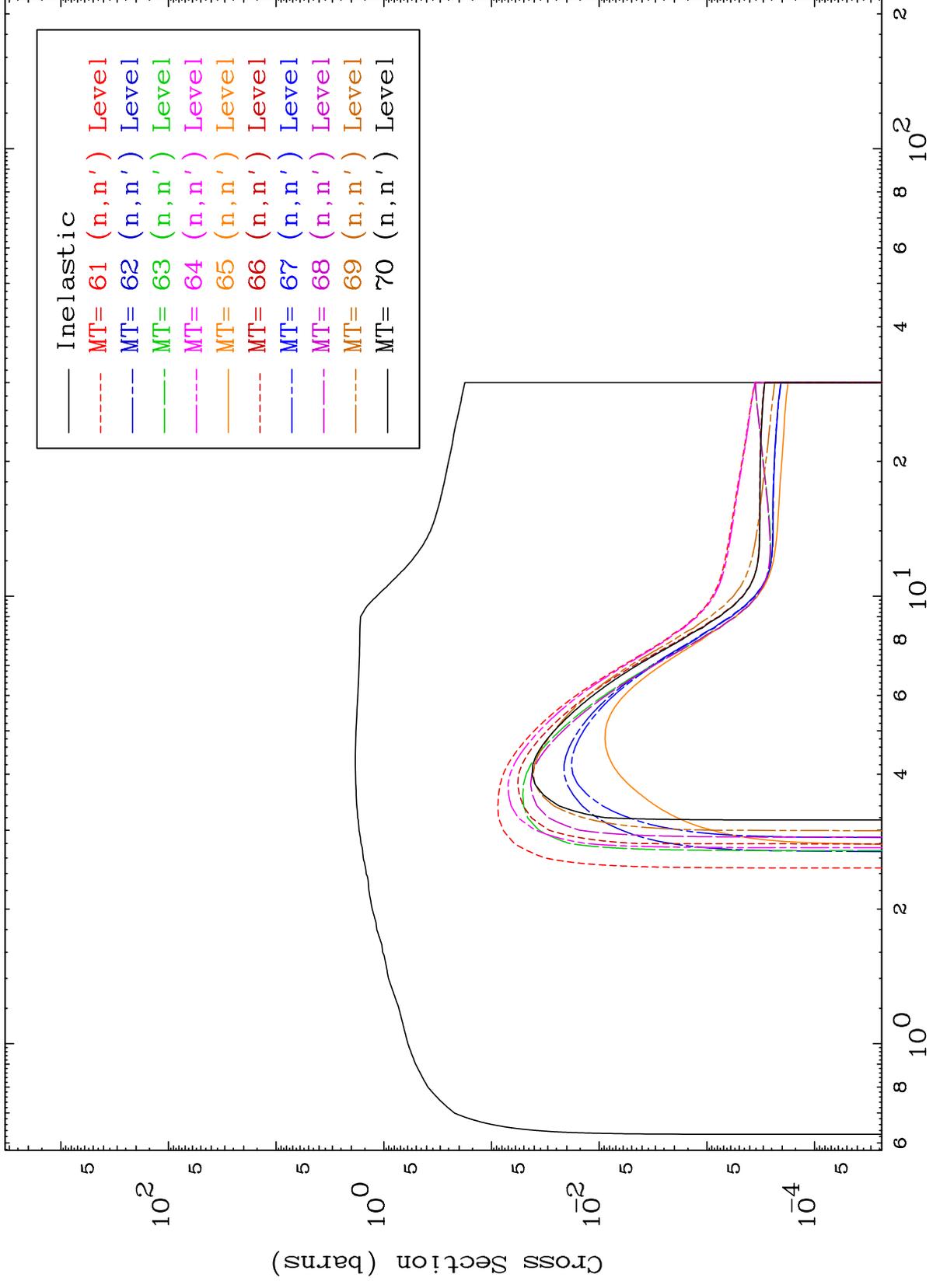
293 Kelvin Cross Sections



8

Incident Energy (MeV)

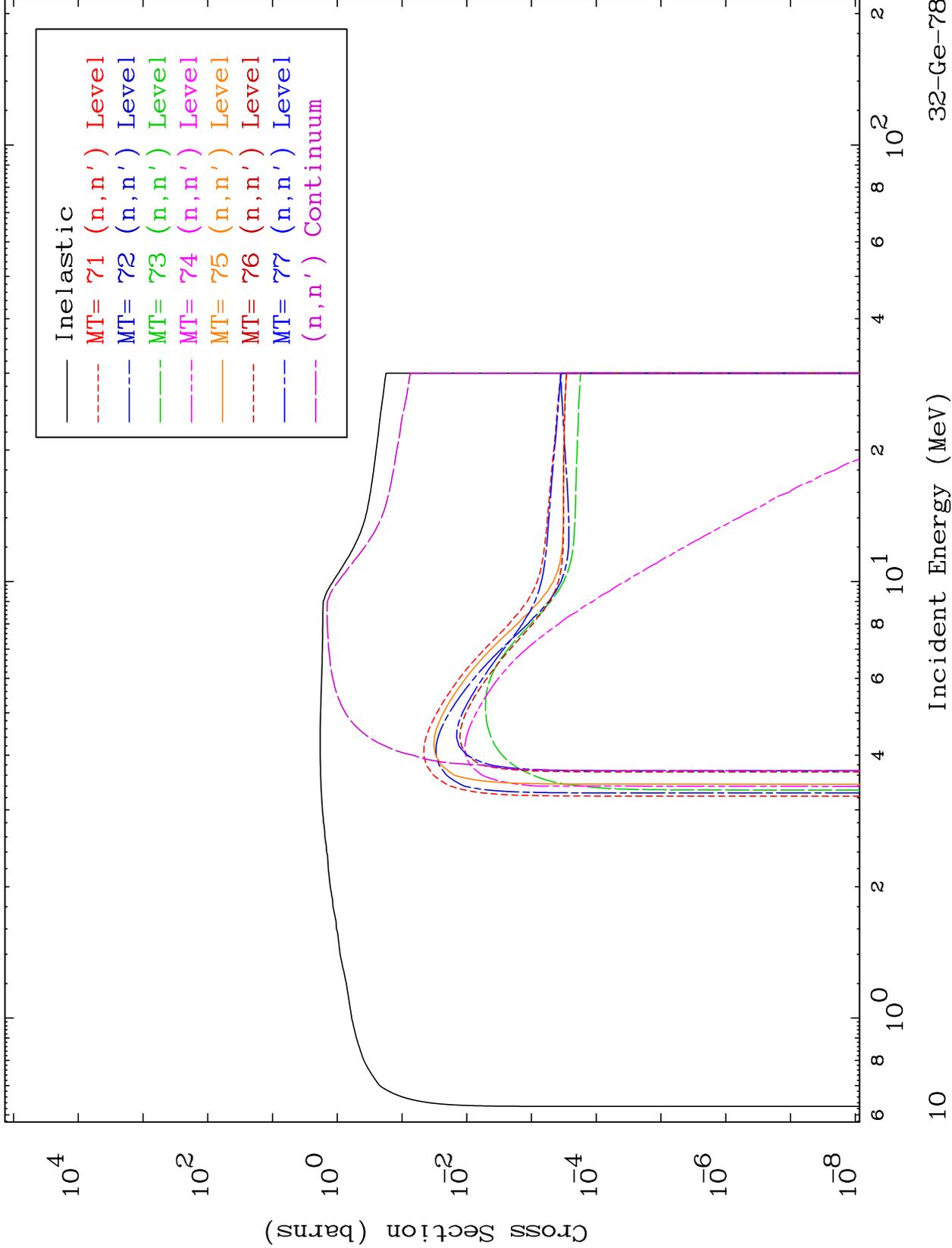
32-Ge-78



MAT 3249

(n,n') Levels
293 Kelvin Cross Sections

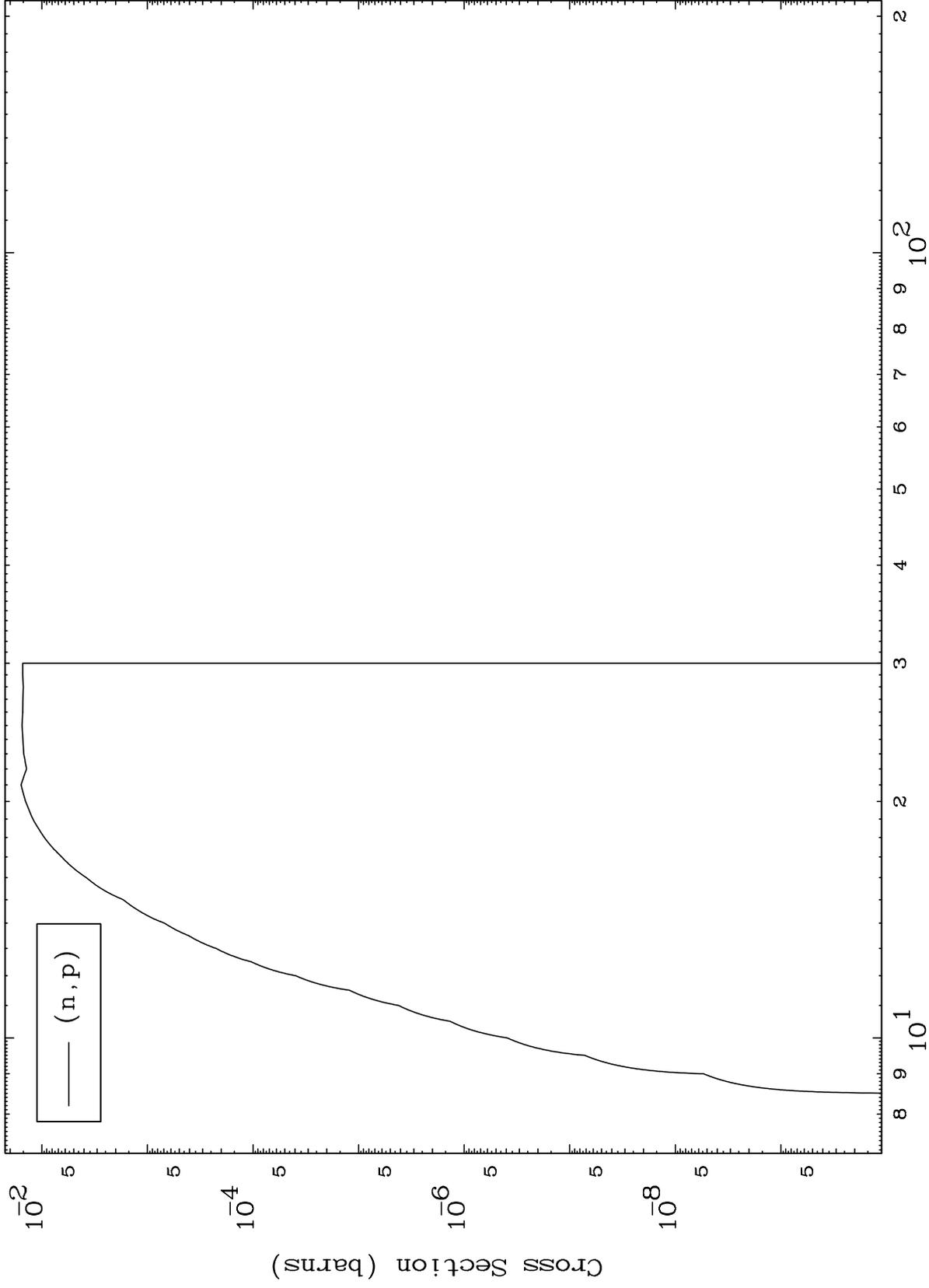
32-Ge-78



MAT 3249

(n,p) Levels
293 Kelvin Cross Sections

³²Ge-78



11

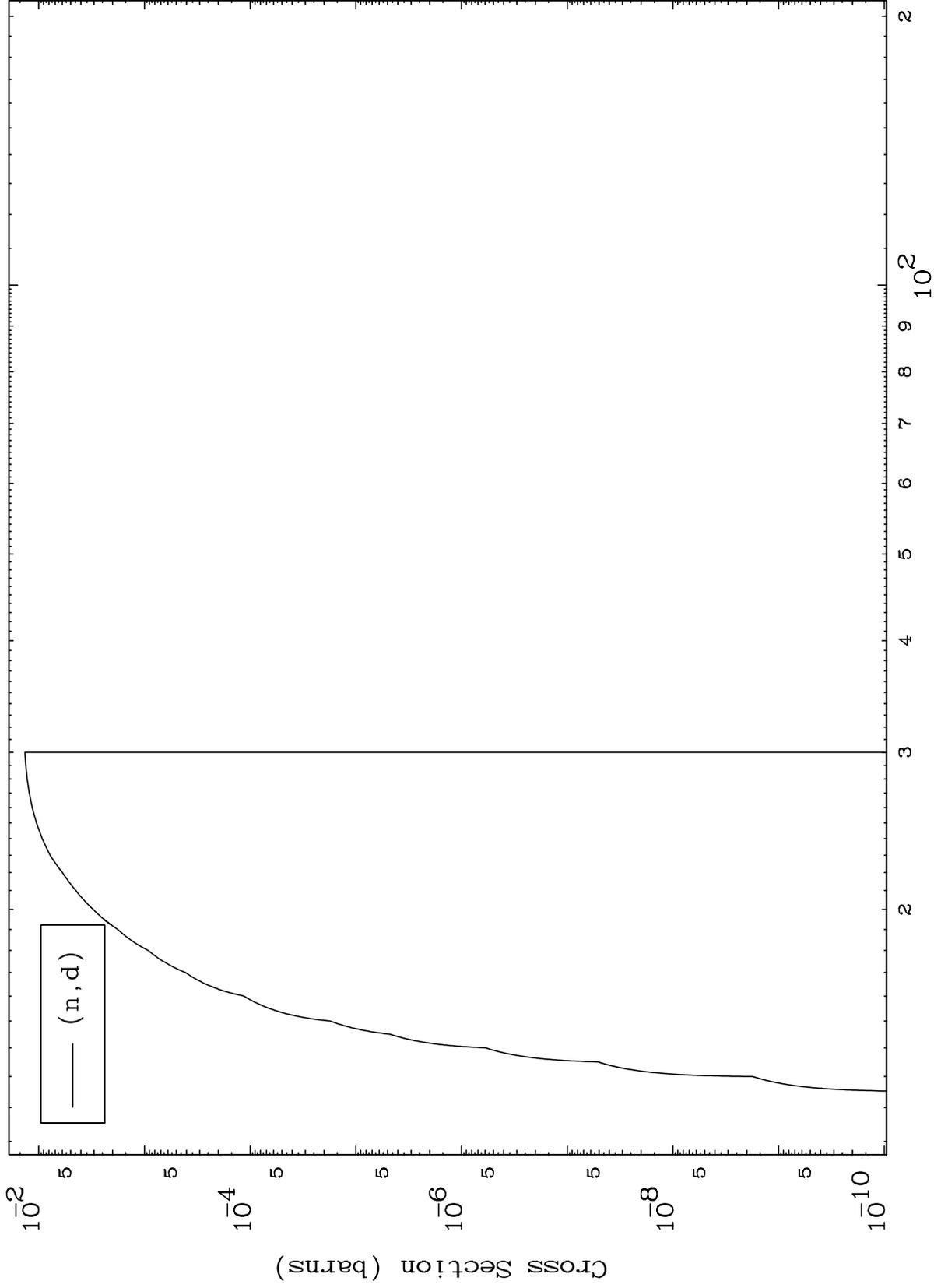
Incident Energy (MeV)

³²Ge-78

MAT 3249

(n,d) Levels
293 Kelvin Cross Sections

³²Ge-78



12

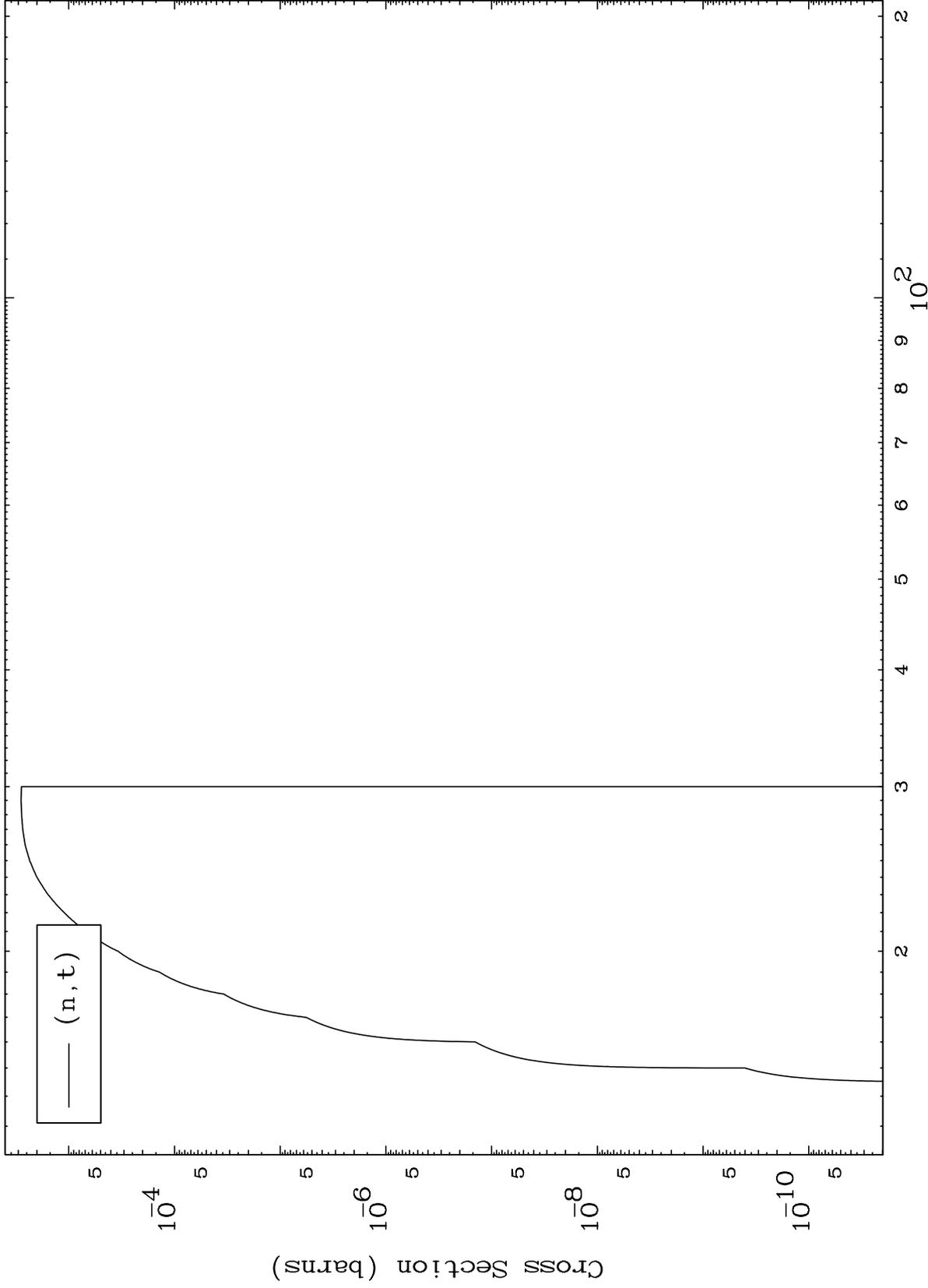
Incident Energy (MeV)

³²Ge-78

MAT 3249

(n,t) Levels
293 Kelvin Cross Sections

32-Ge-78



13

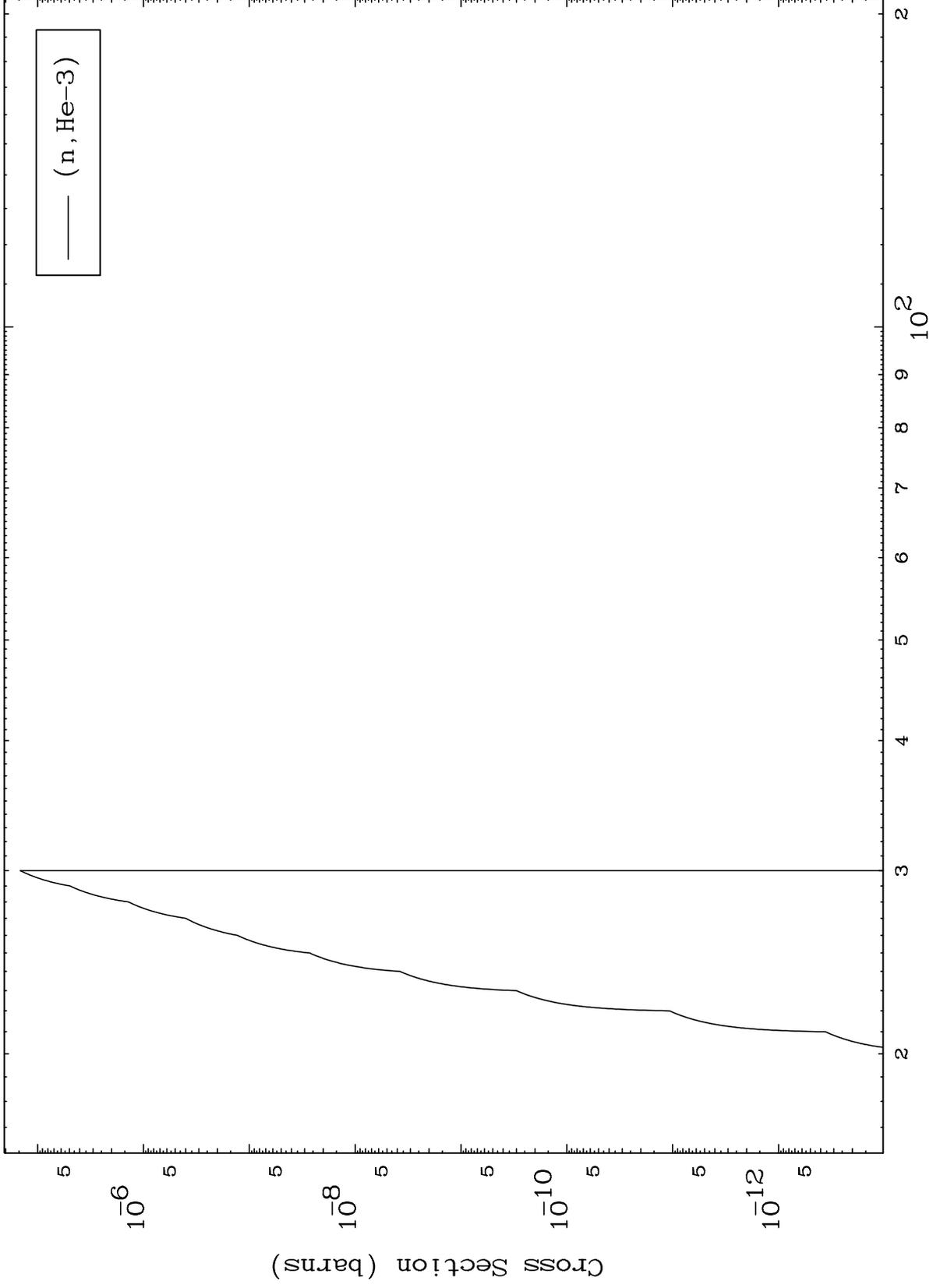
Incident Energy (MeV)

32-Ge-78

MAT 3249

(n,He3) Levels
293 Kelvin Cross Sections

32-Ge-78



14

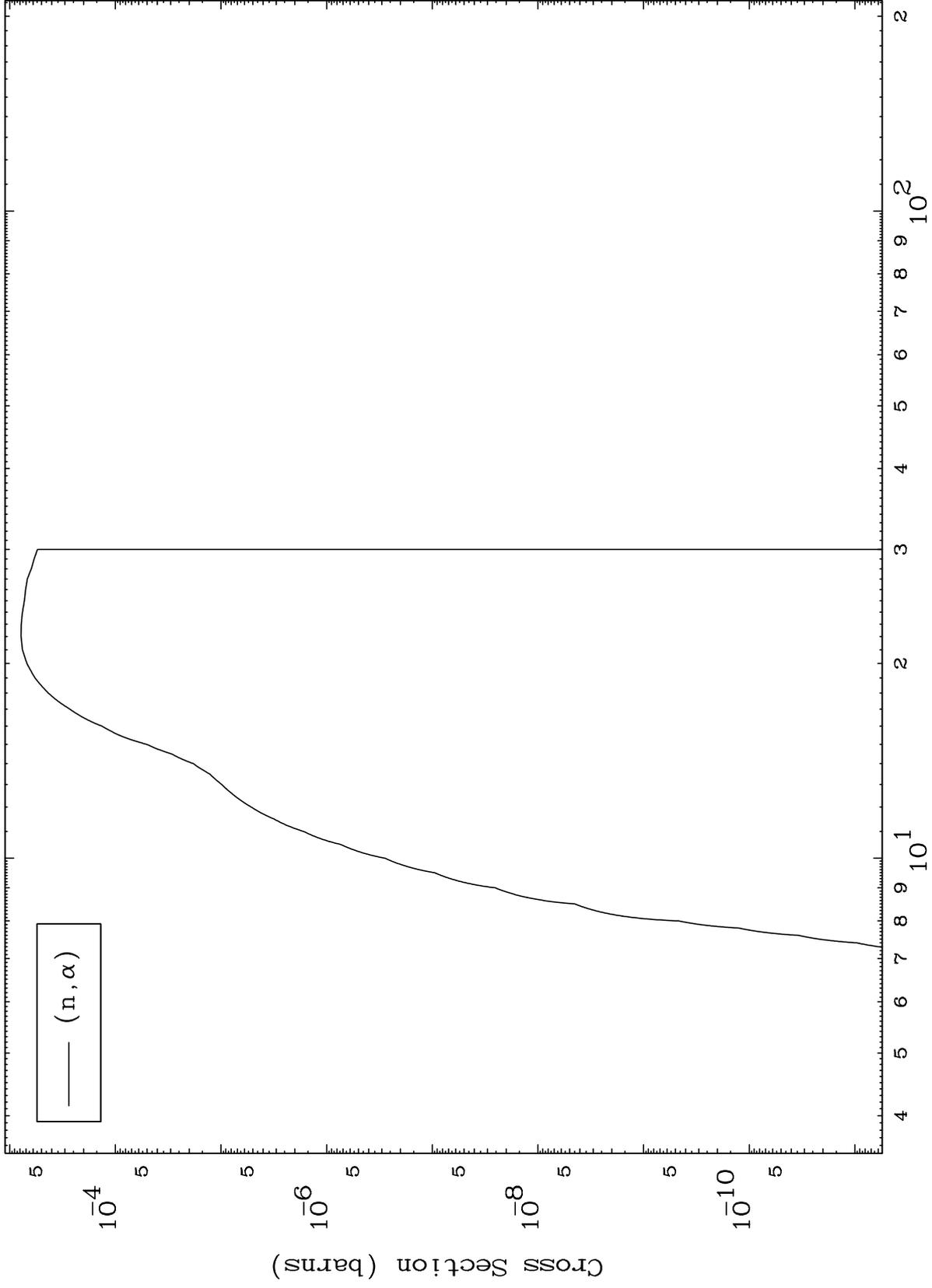
Incident Energy (MeV)

32-Ge-78

MAT 3249

(n, α) Levels
293 Kelvin Cross Sections

32-Ge-78



15

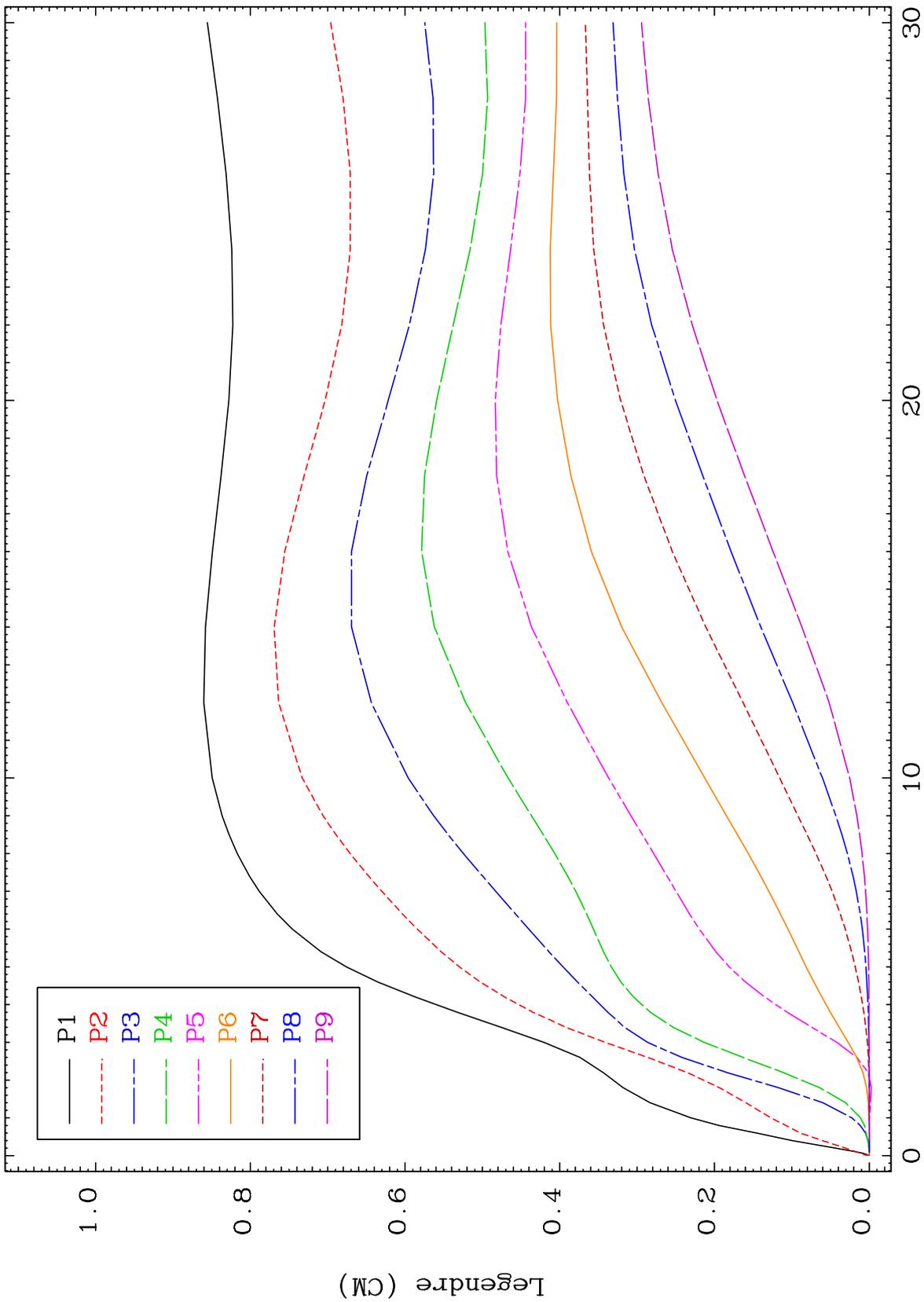
Incident Energy (MeV)

32-Ge-78

MAT 3249

Elastic Legendre Coefficients

³²Ge-78



16

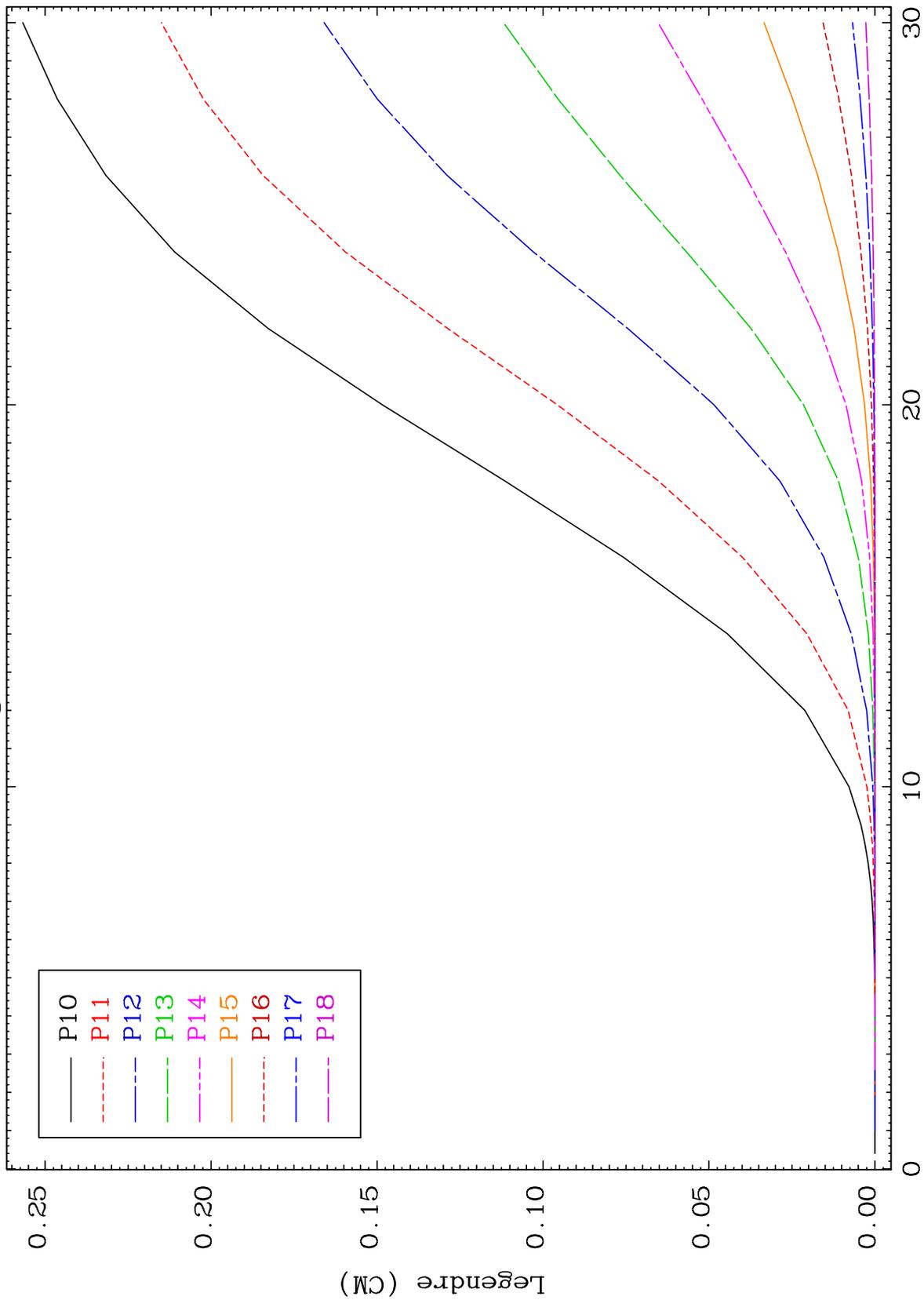
Incident Energy (MeV)

³²Ge-78

MAT 3249

Elastic Legendre Coefficients

³²Ge-78



17

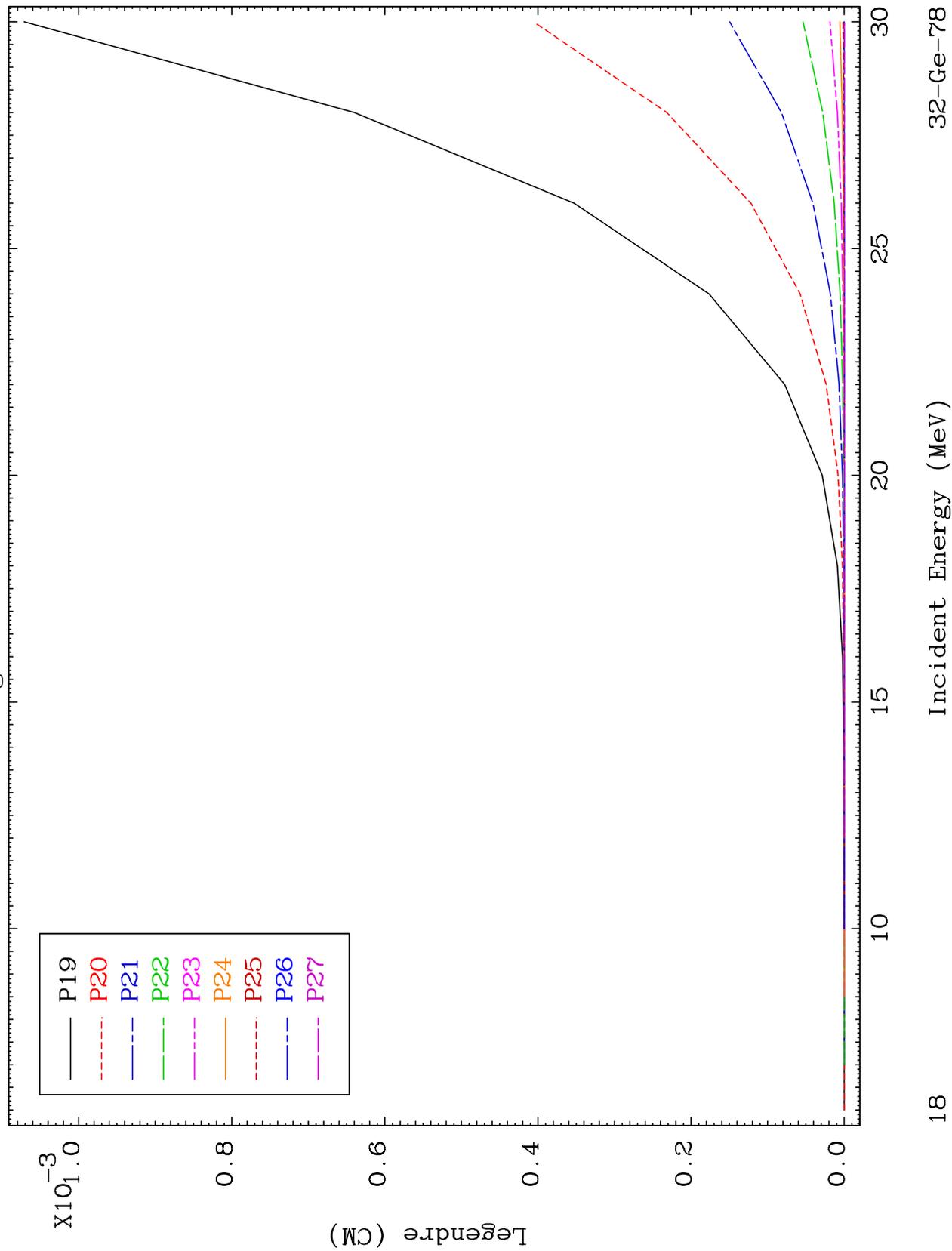
Incident Energy (MeV)

³²Ge-78

MAT 3249

Elastic Legendre Coefficients

³²Ge-78



18

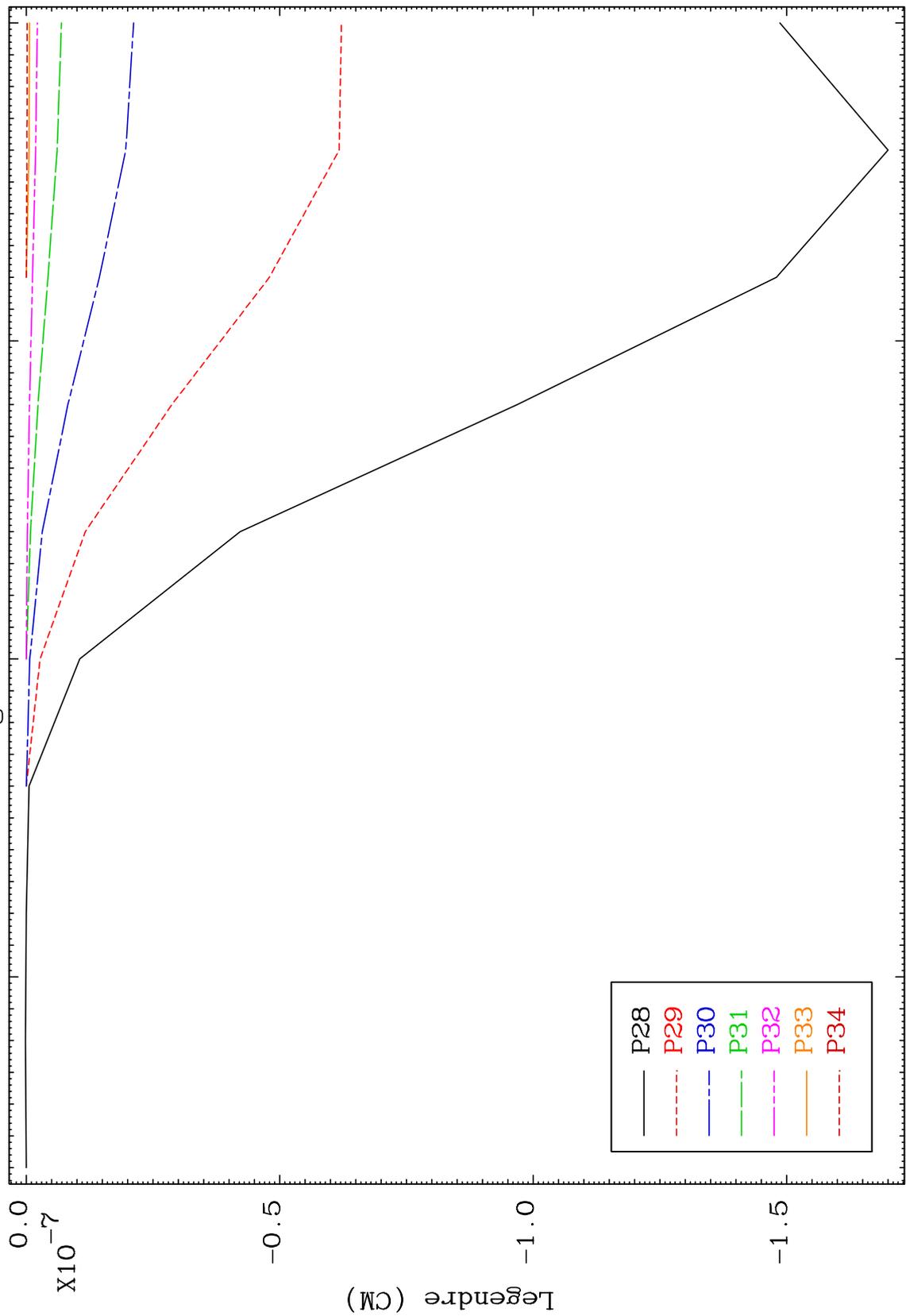
Incident Energy (MeV)

³²Ge-78

MAT 3249

32-Ge-78

Elastic Legendre Coefficients

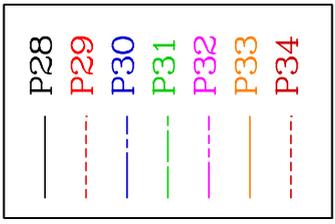


10^{-7}

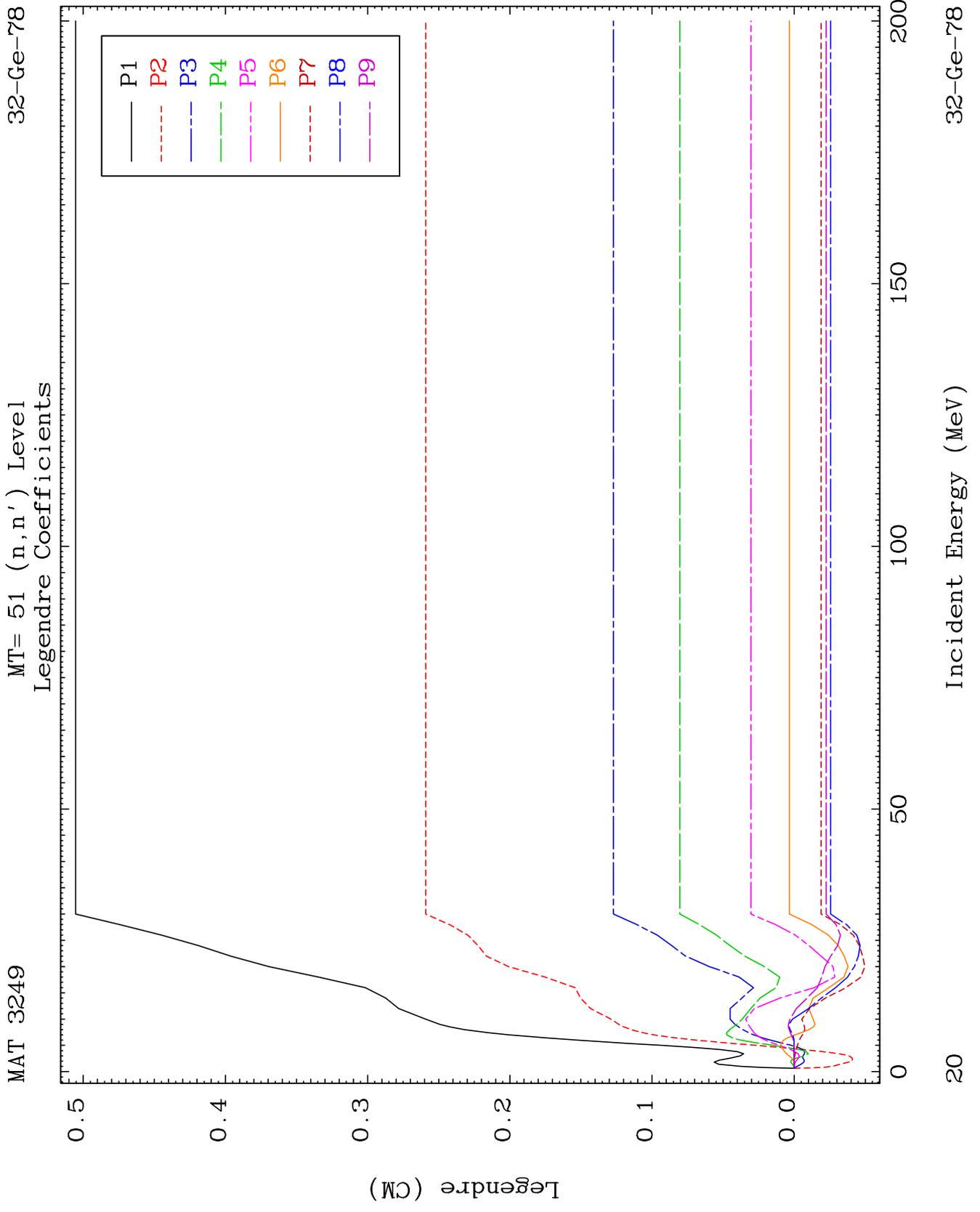
Legendre (CM)

Incident Energy (MeV)

32-Ge-78



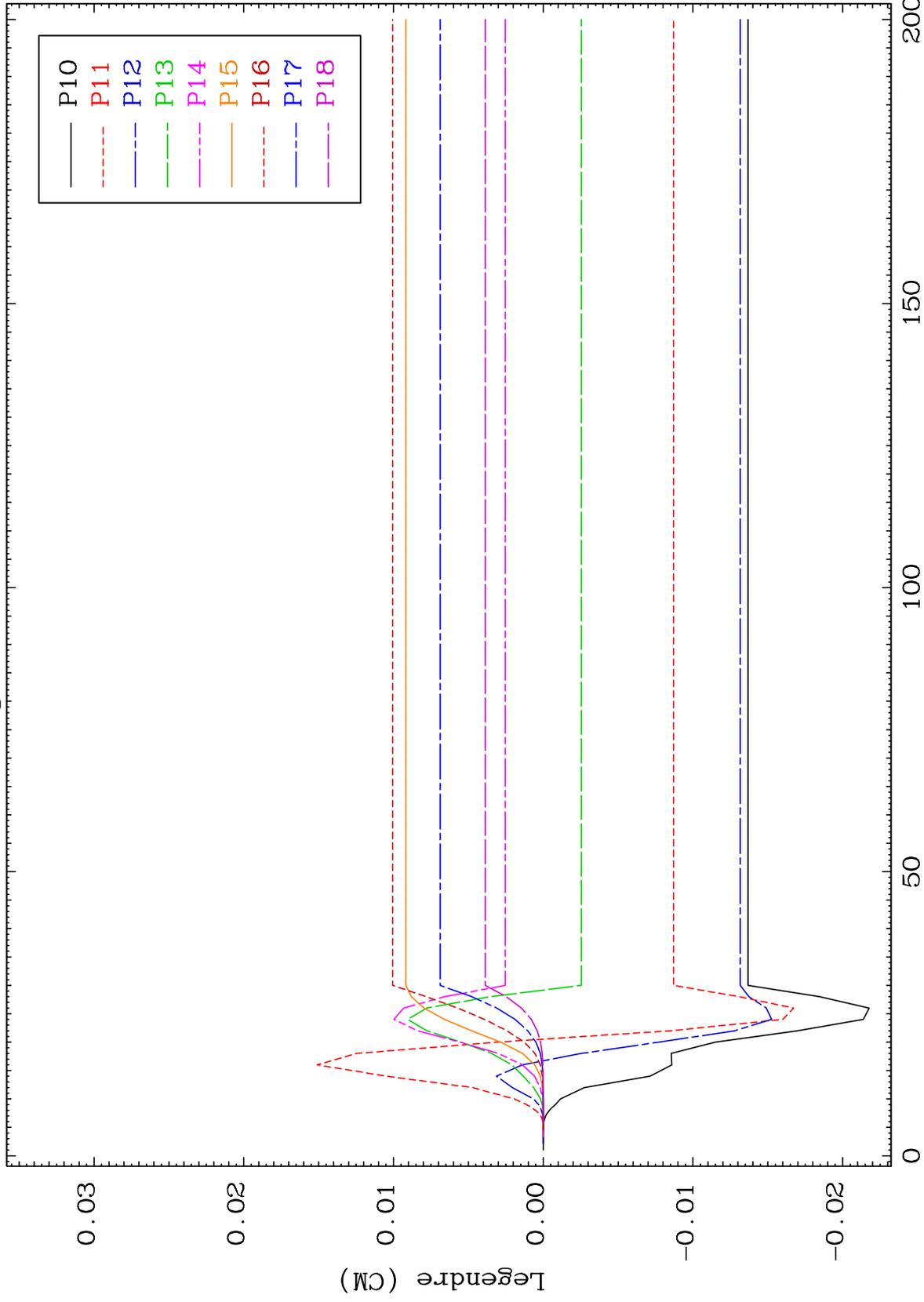
19



MAT 3249

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

32-Ge-78



21

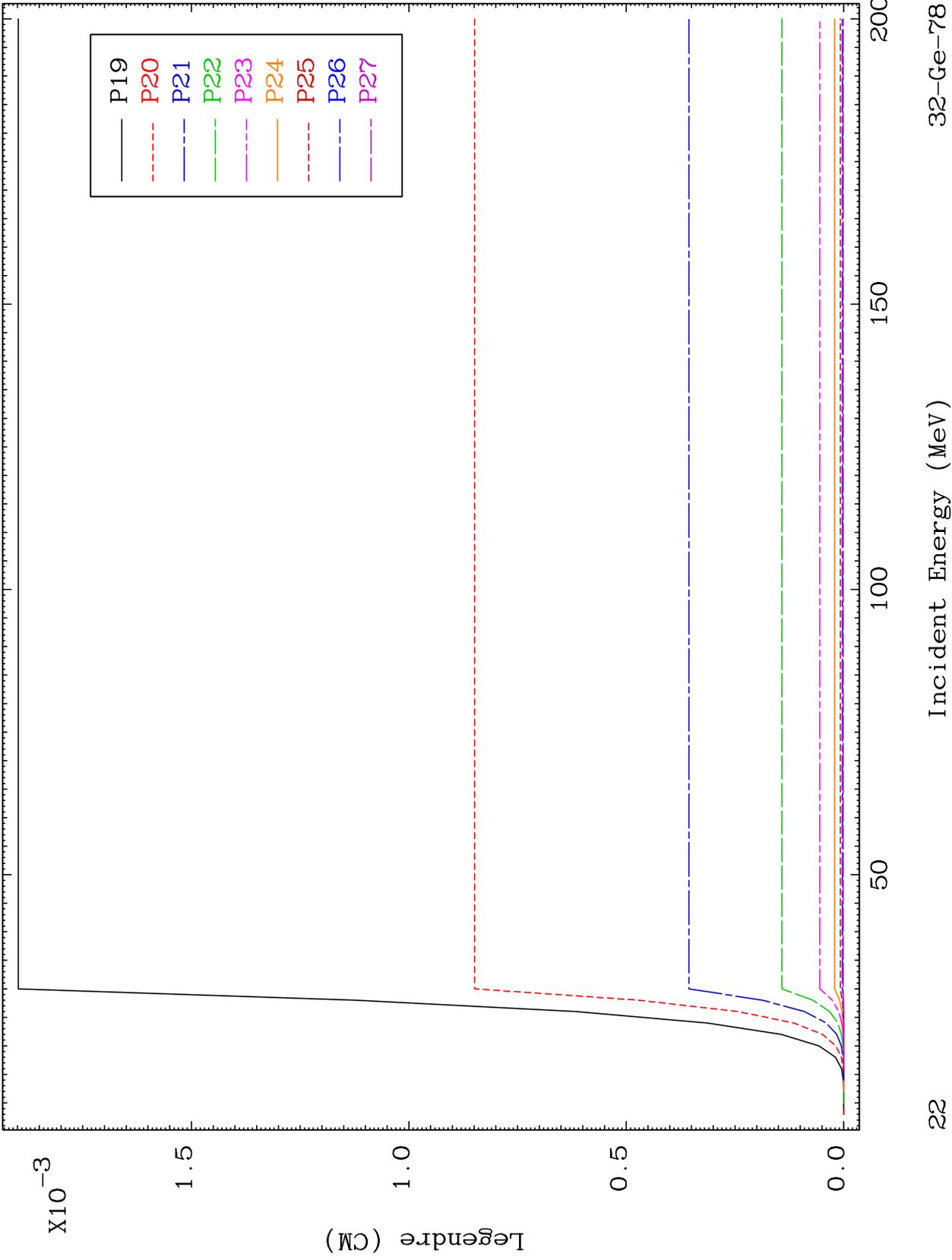
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



22

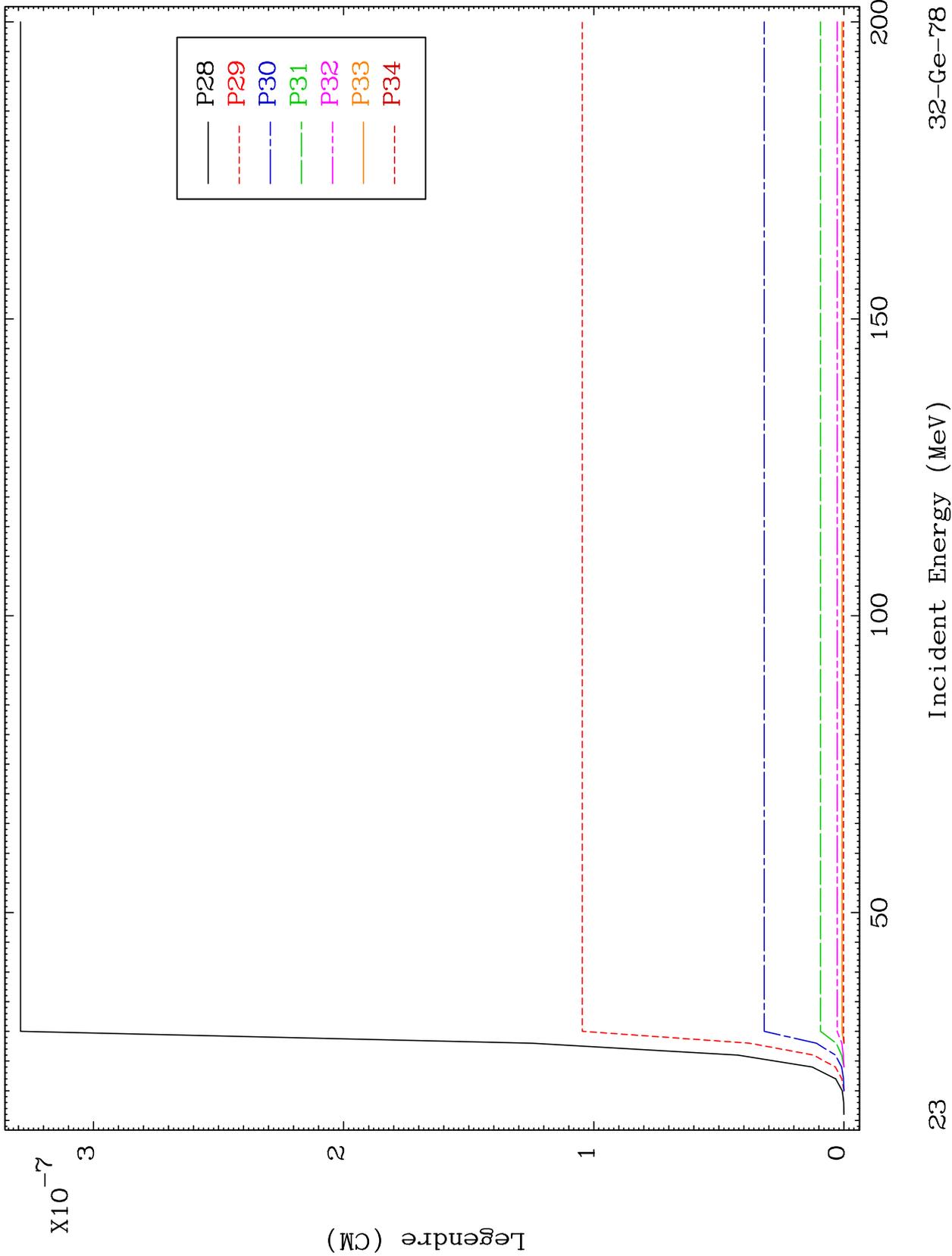
Incident Energy (MeV)

32-Ge-78

MAT 3249

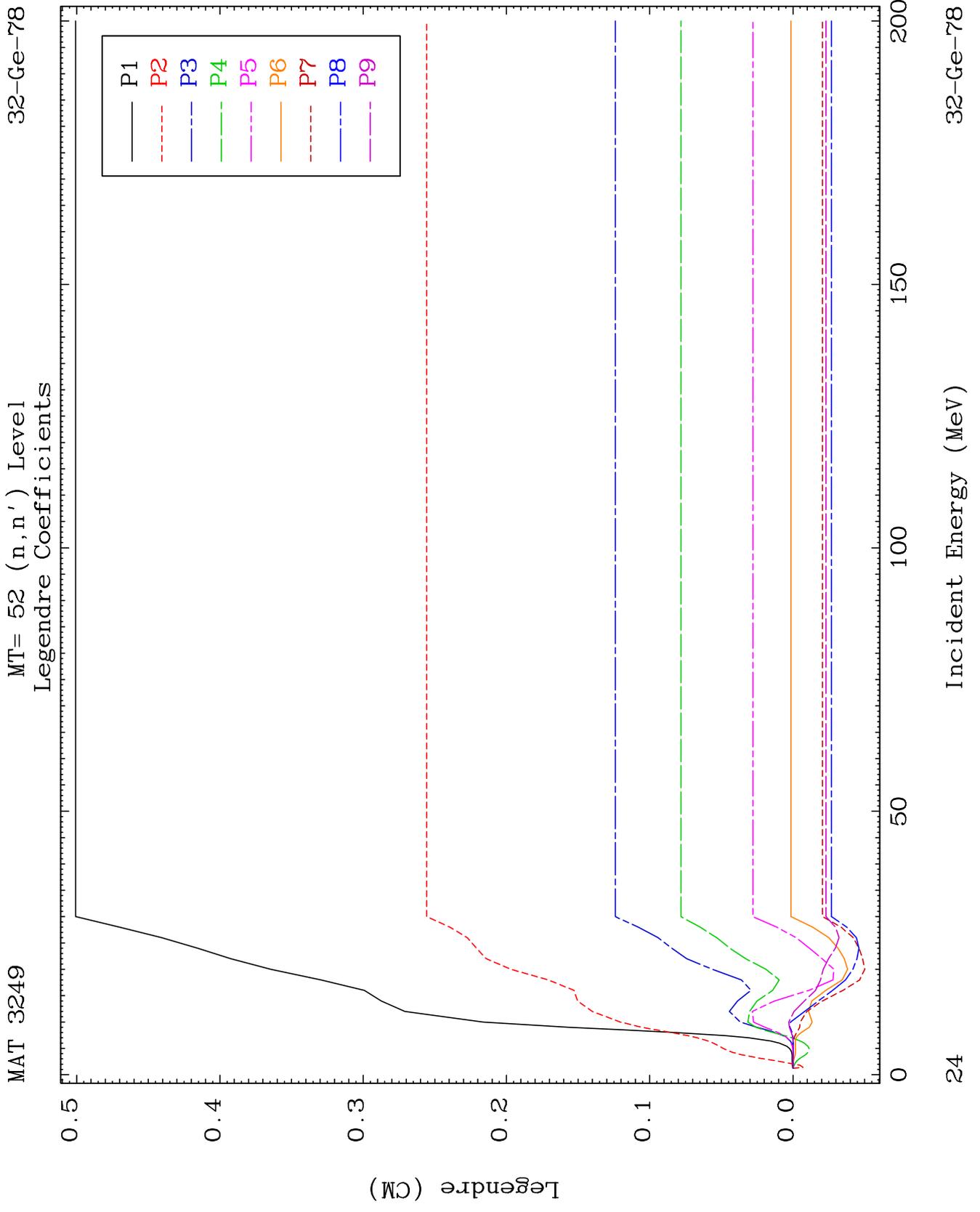
MT= 51 (n,n') Level
Legendre Coefficients

32-Ge-78



23

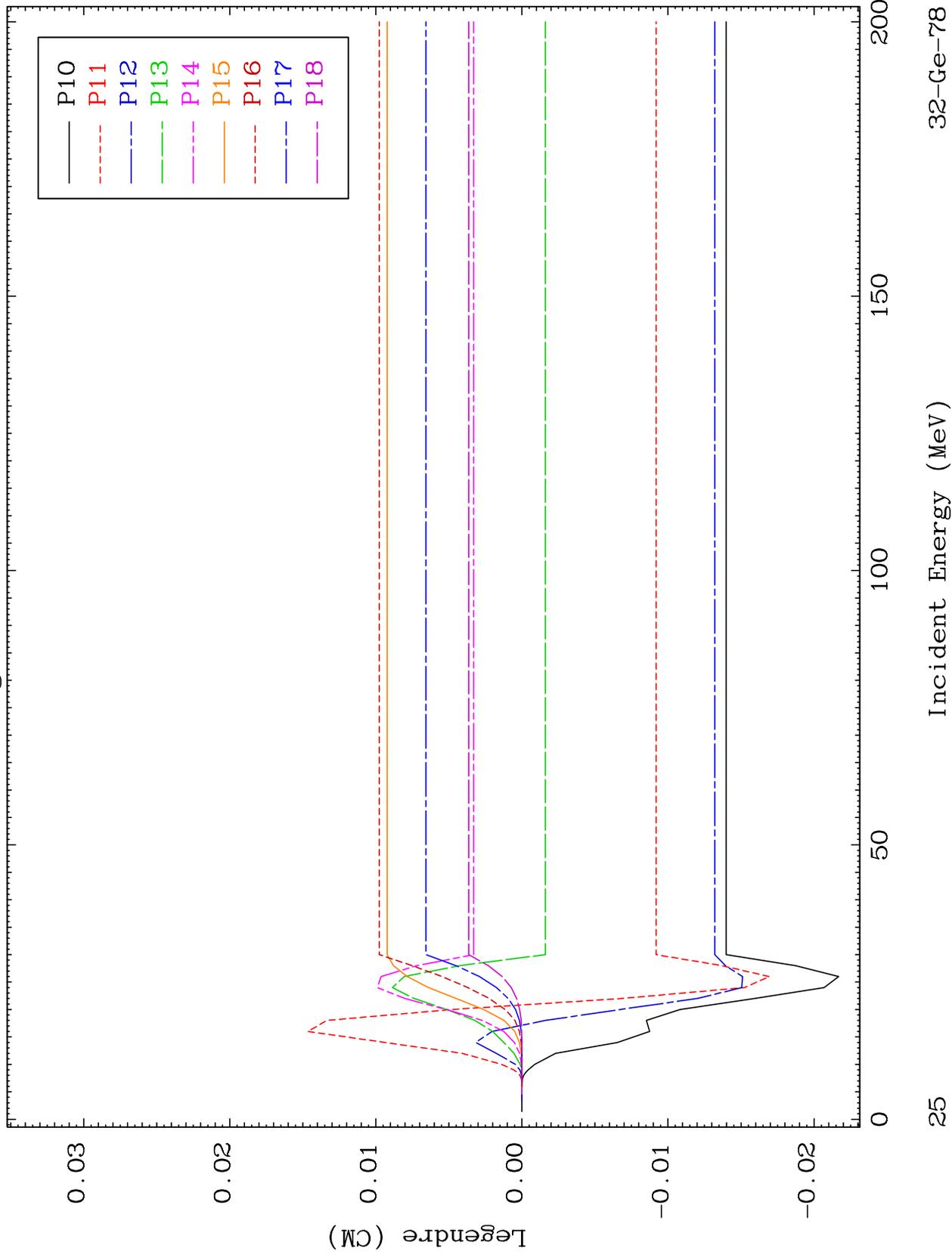
32-Ge-78



MAT 3249

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

32-Ge-78



32-Ge-78

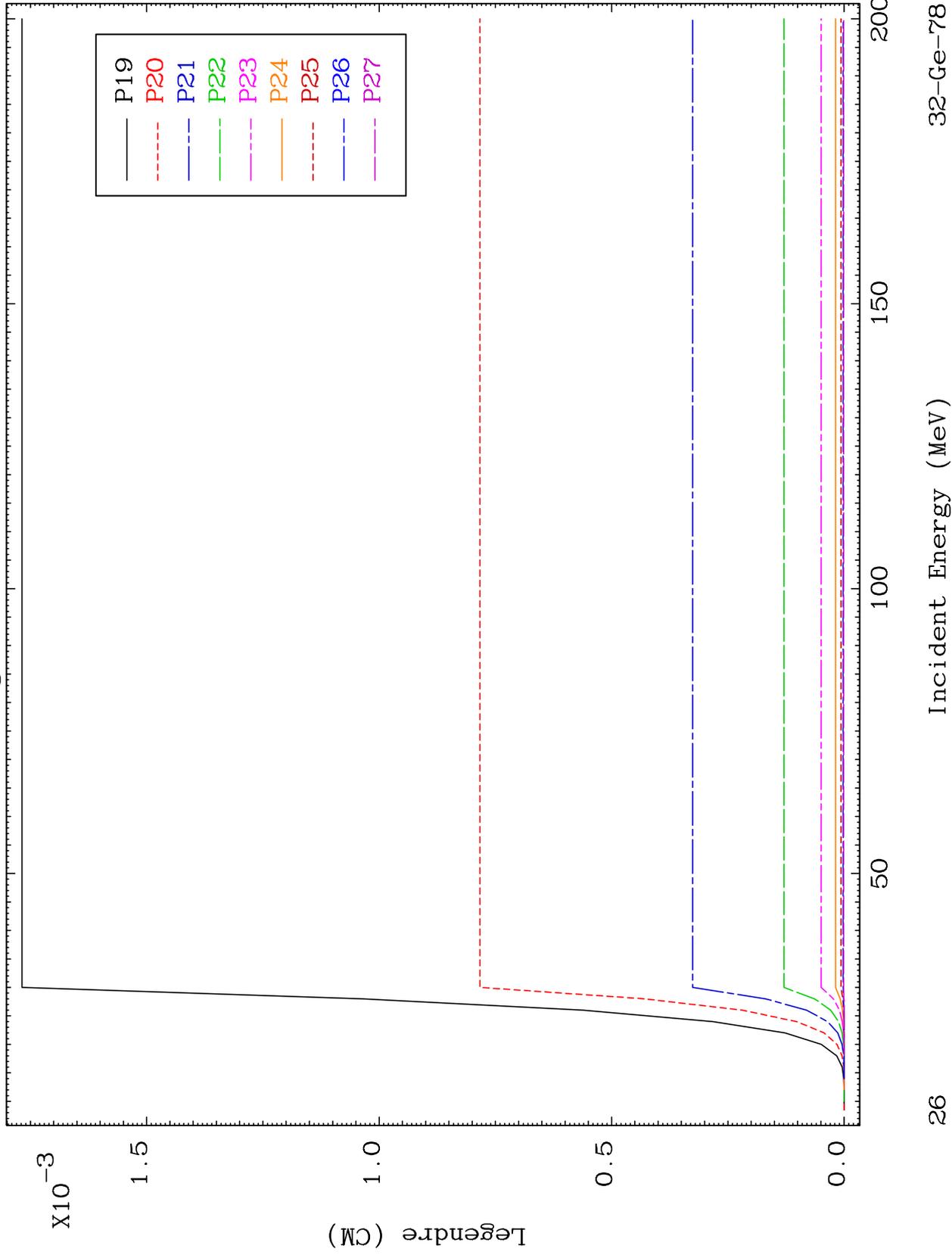
Incident Energy (MeV)

25

MAT 3249

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

32-Ge-78



26

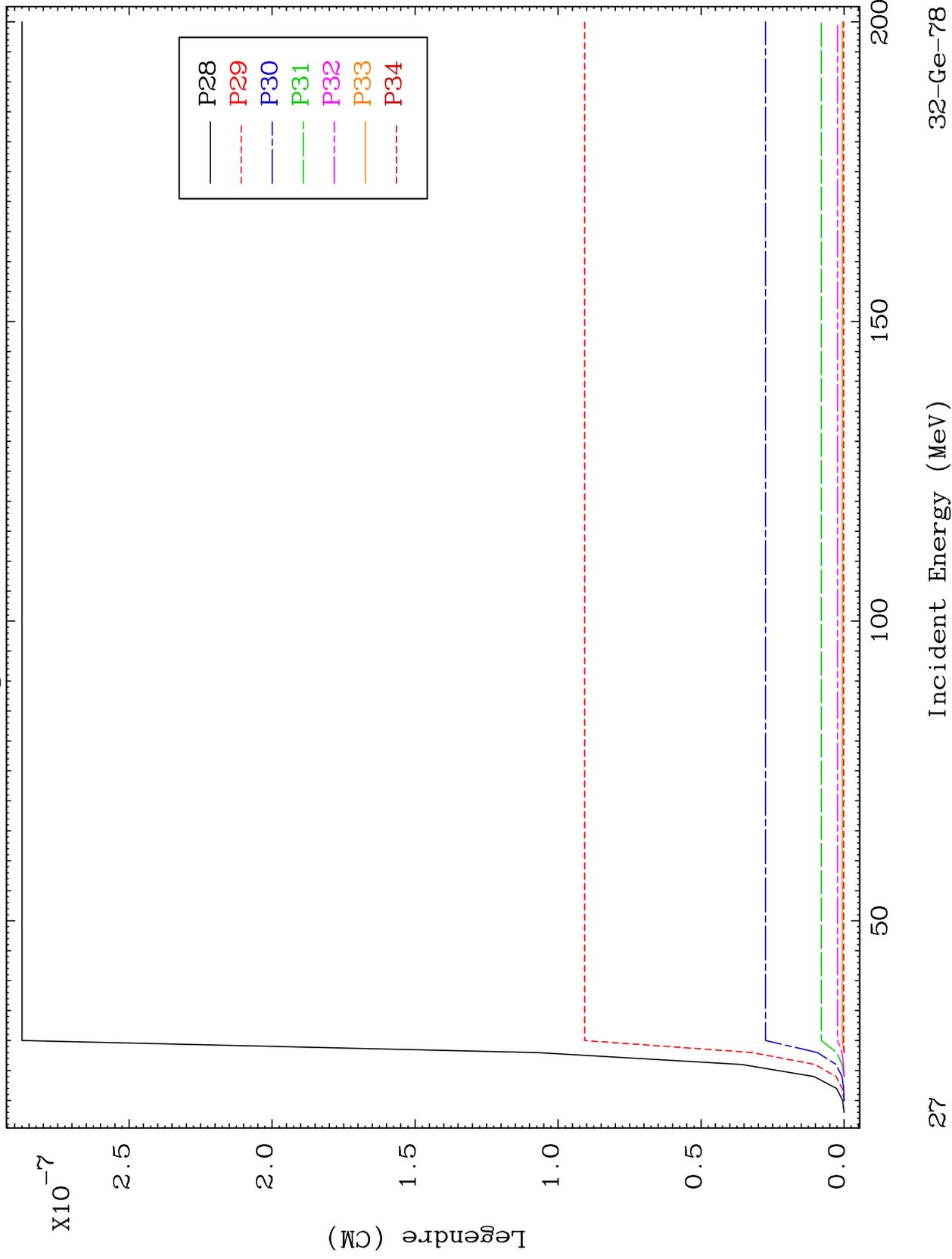
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



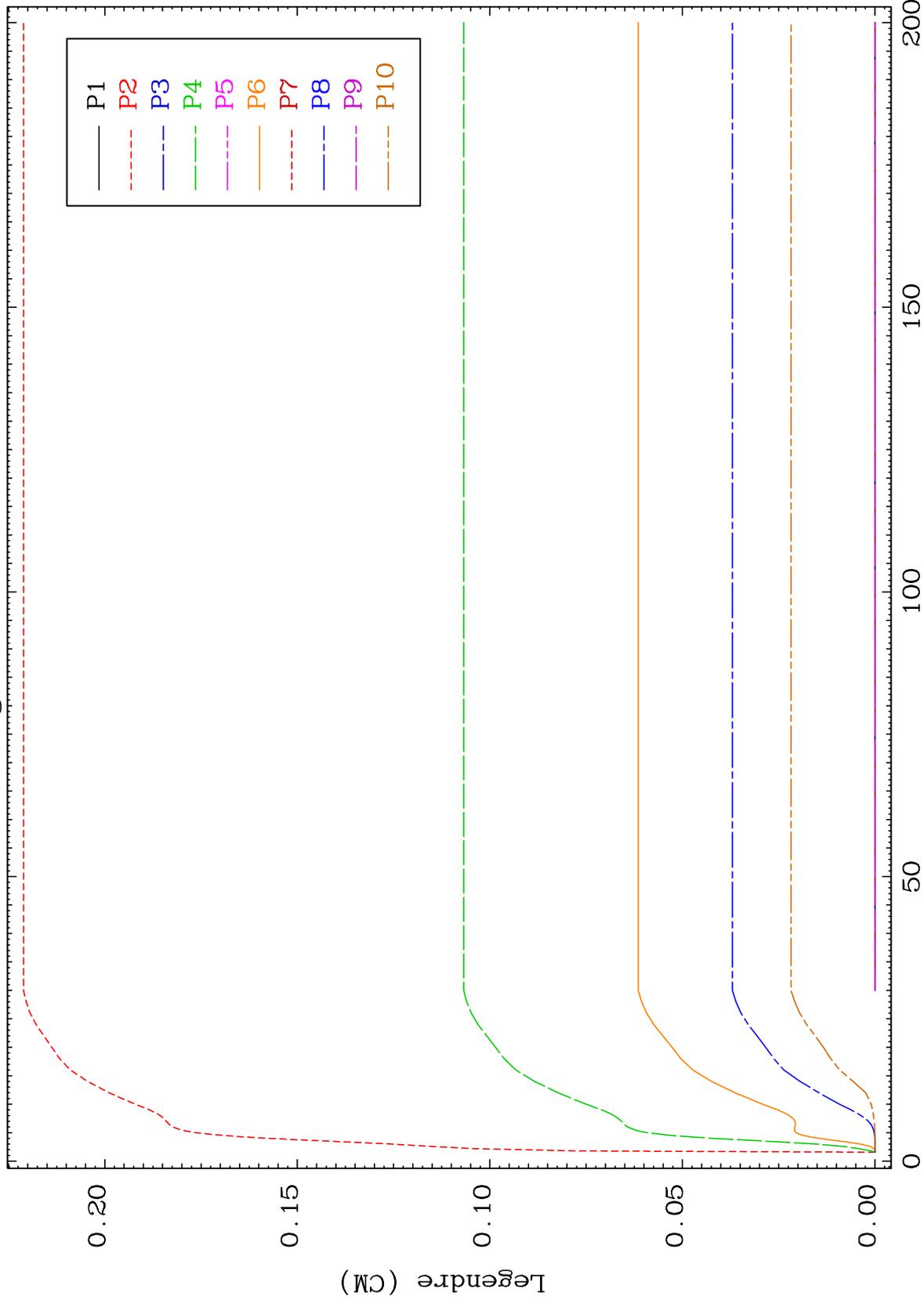
27

32-Ge-78

MAT 3249

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

32-Ge-78



28

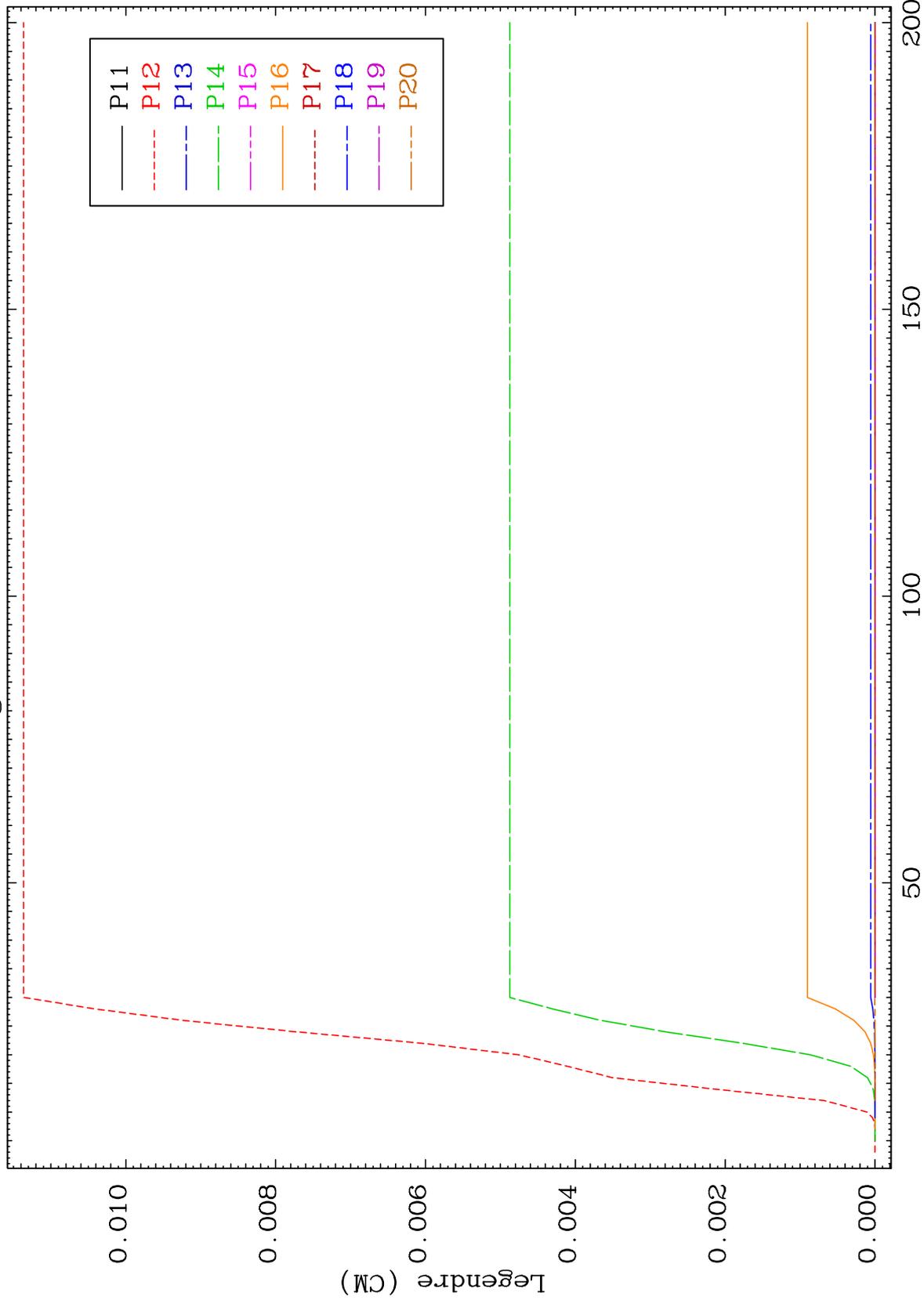
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

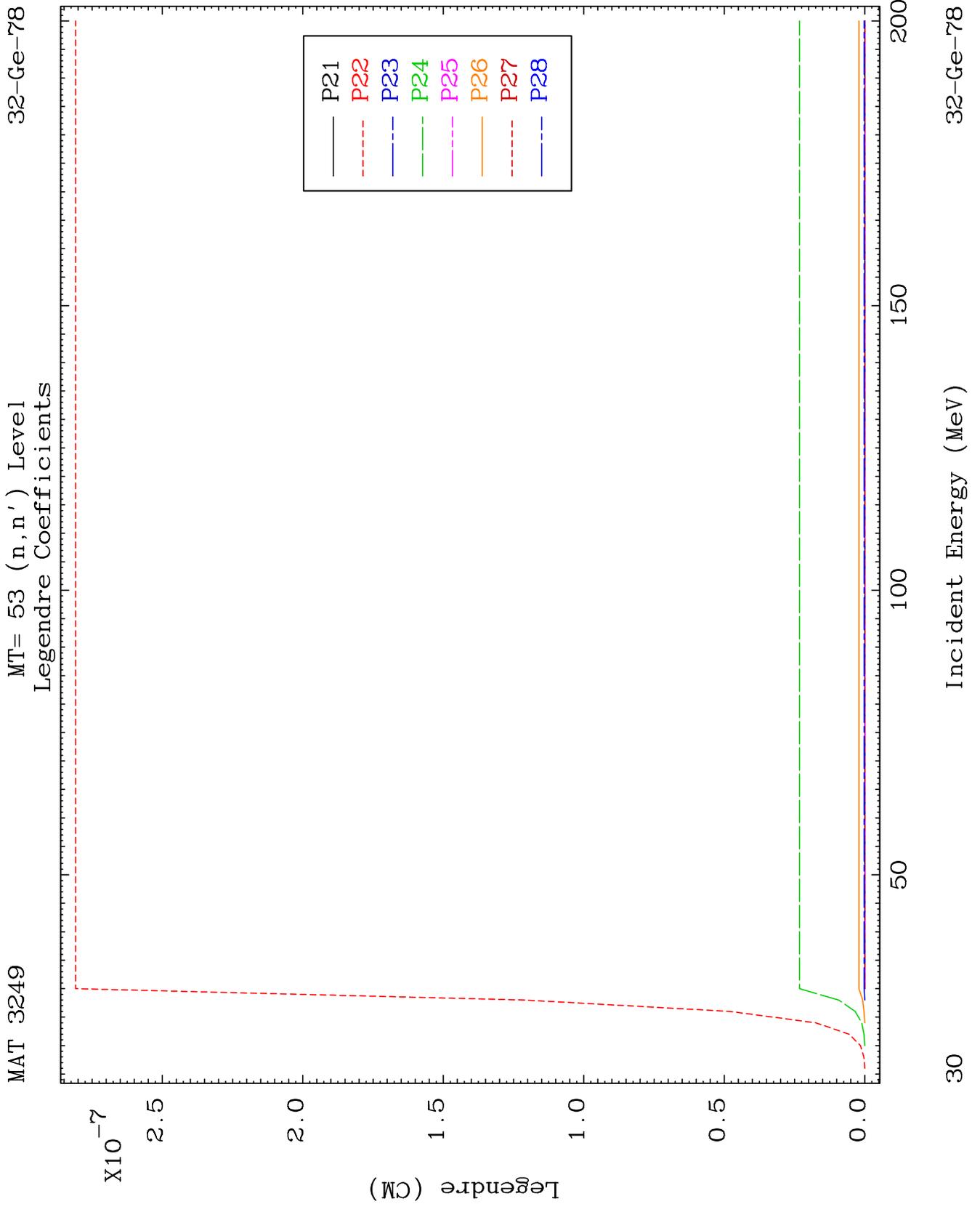
32-Ge-78



29

Incident Energy (MeV)

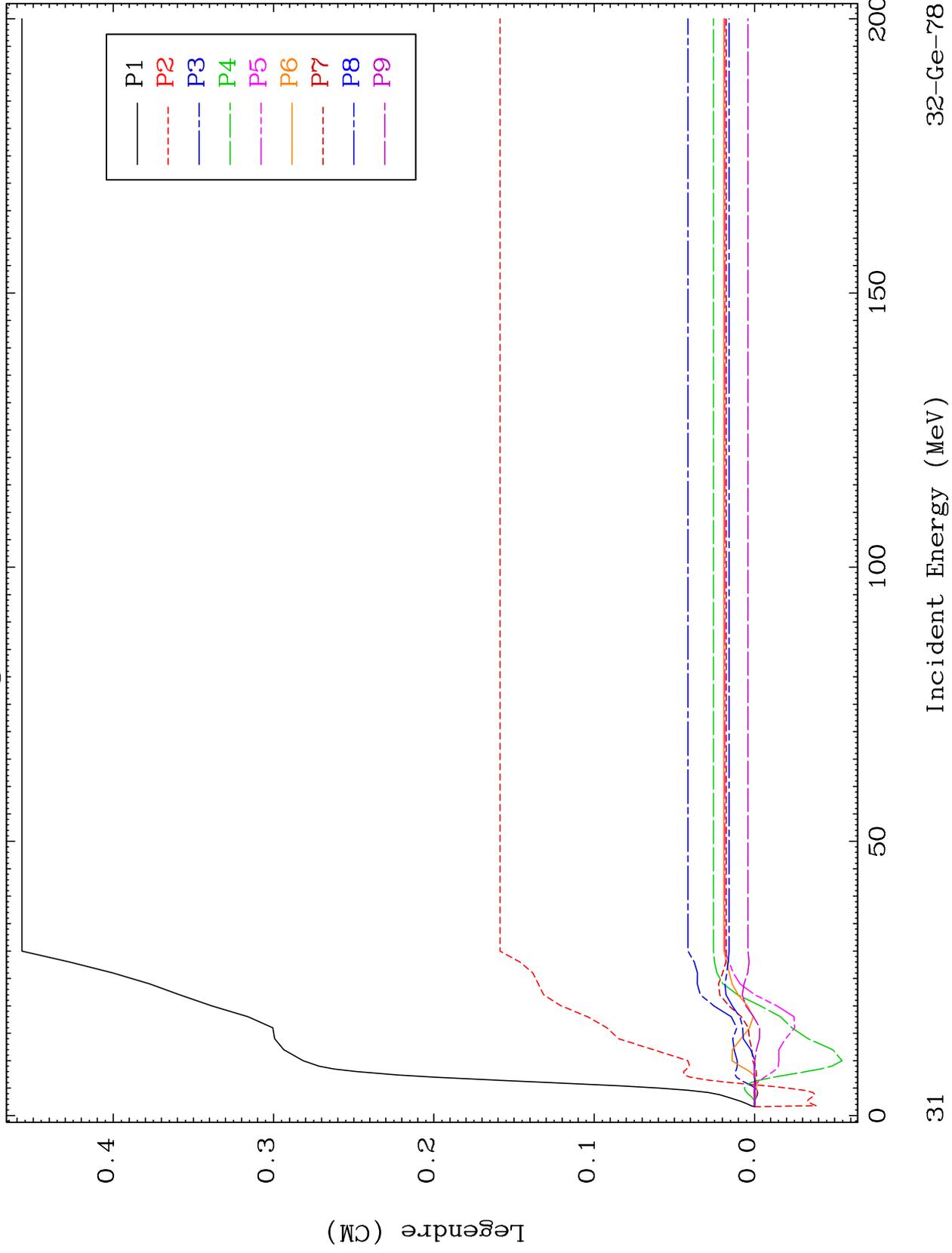
32-Ge-78



MAT 3249

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

32-Ge-78



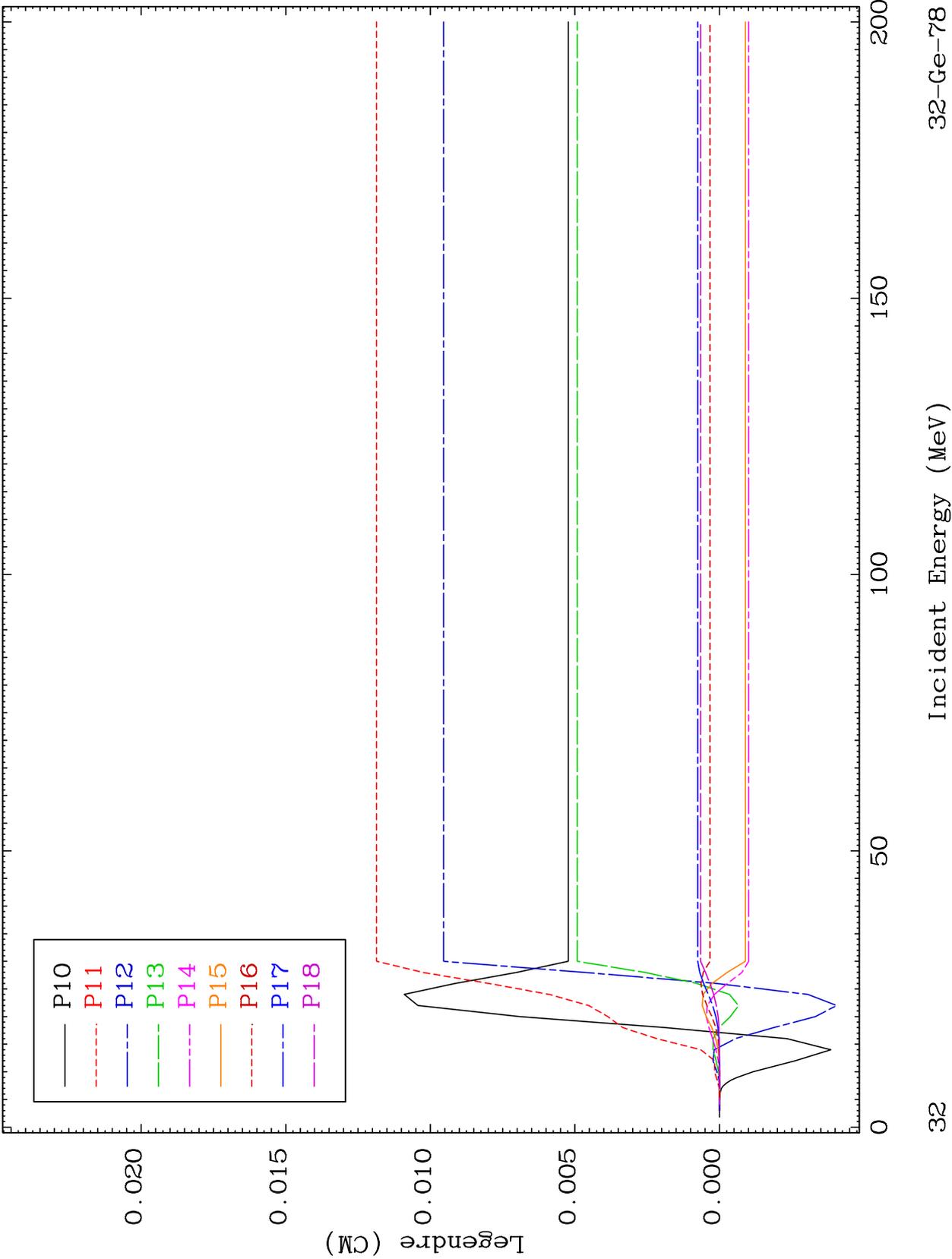
31

32-Ge-78

MAT 3249

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

32-Ge-78



32

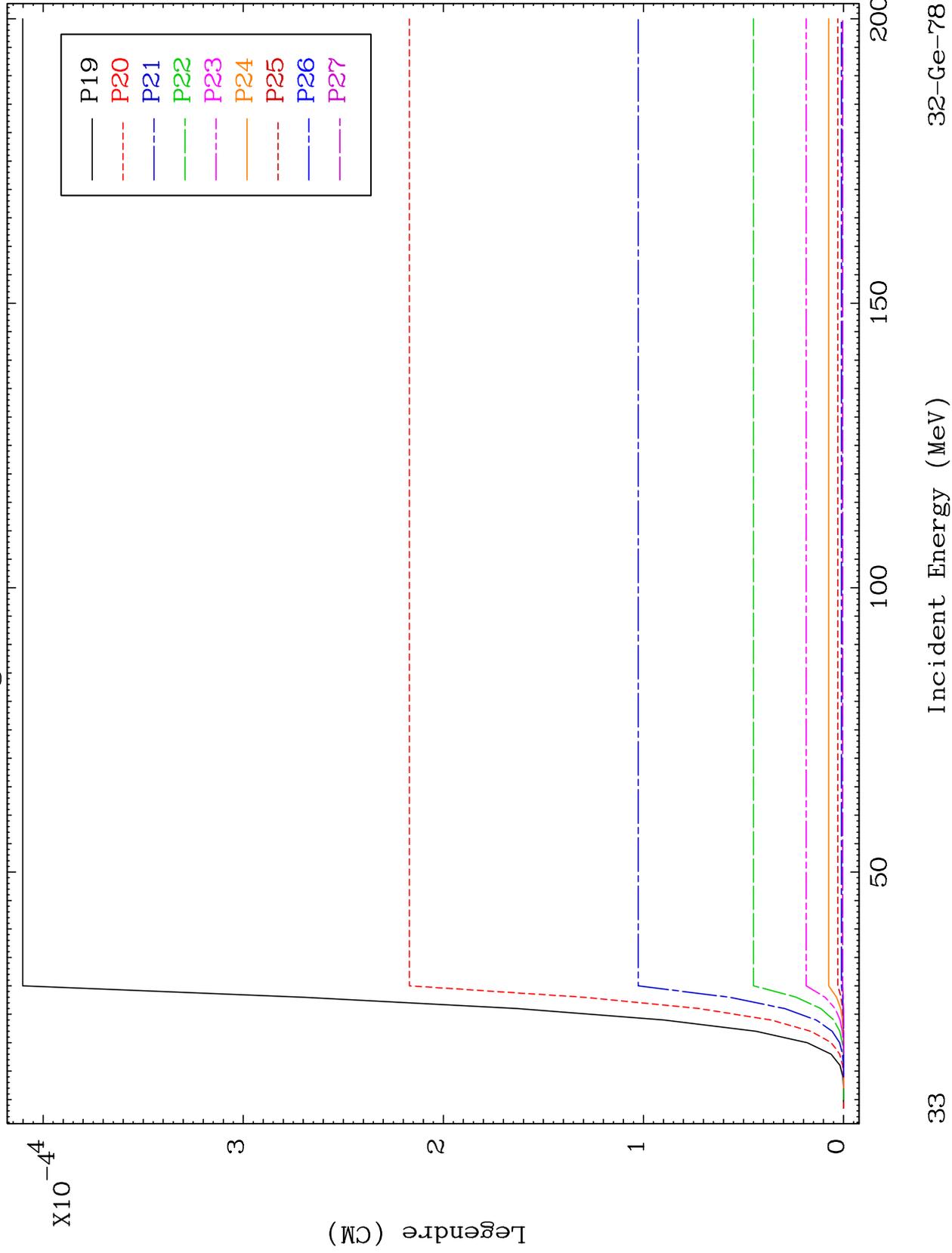
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



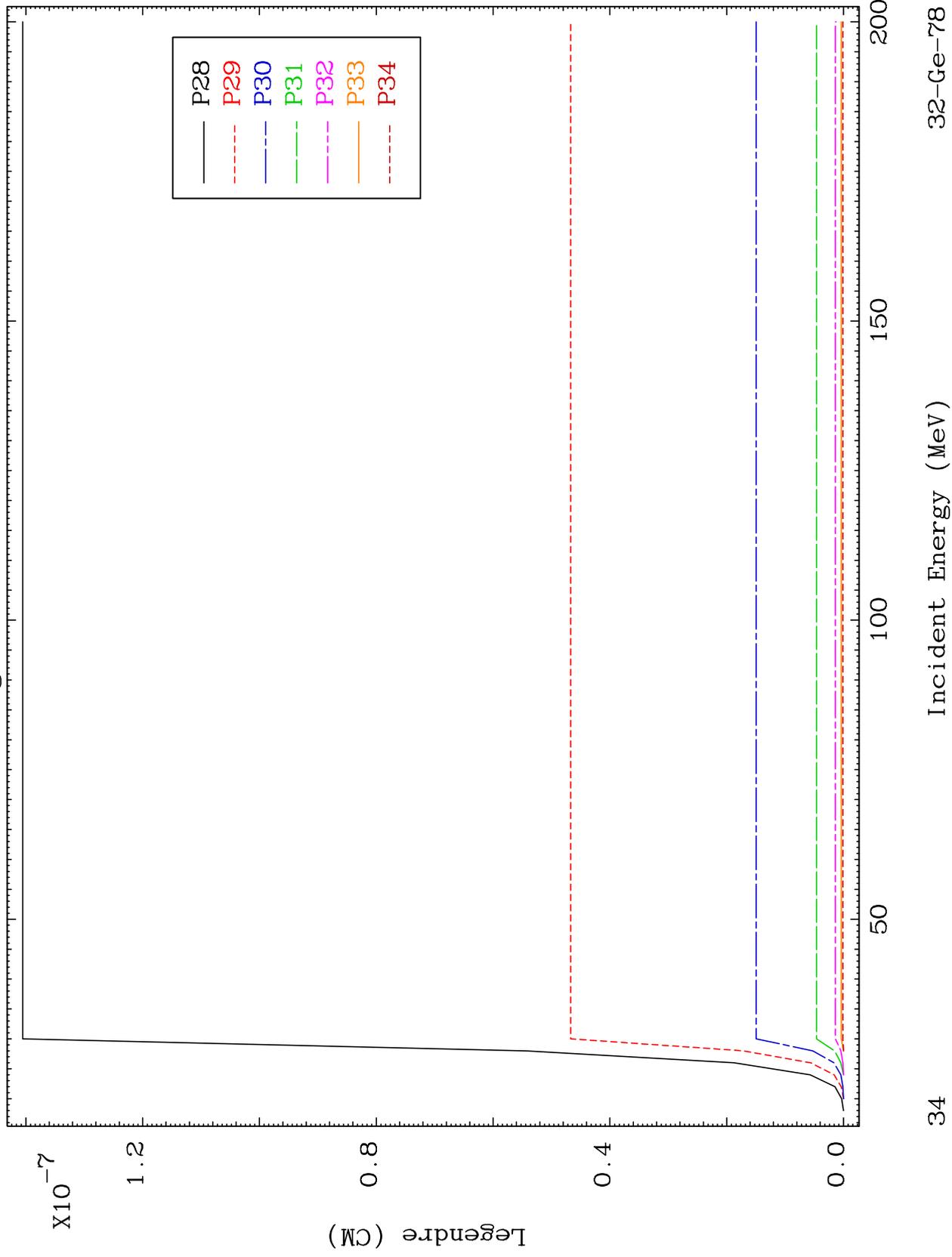
33

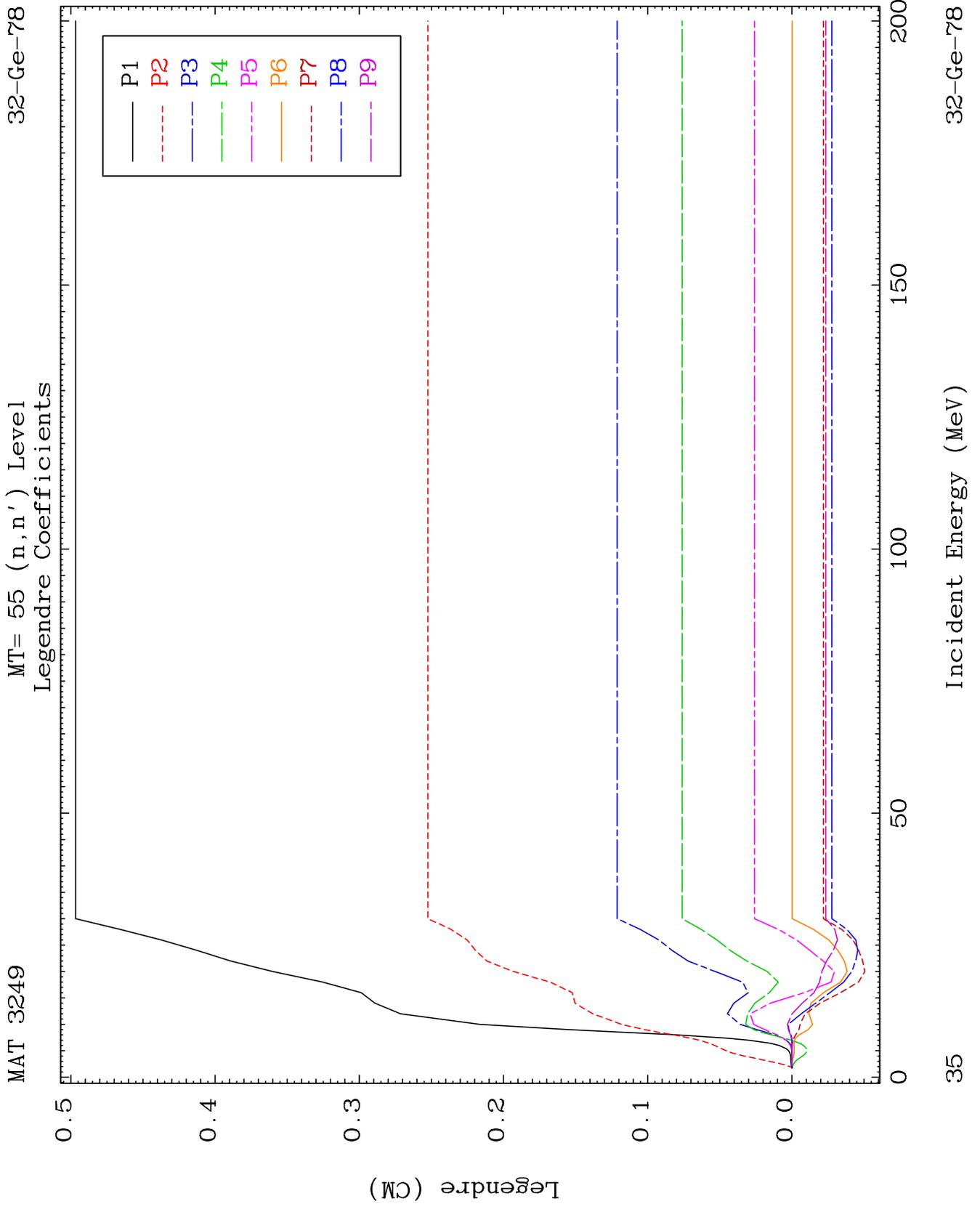
32-Ge-78

MAT 3249

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

32-Ge-78

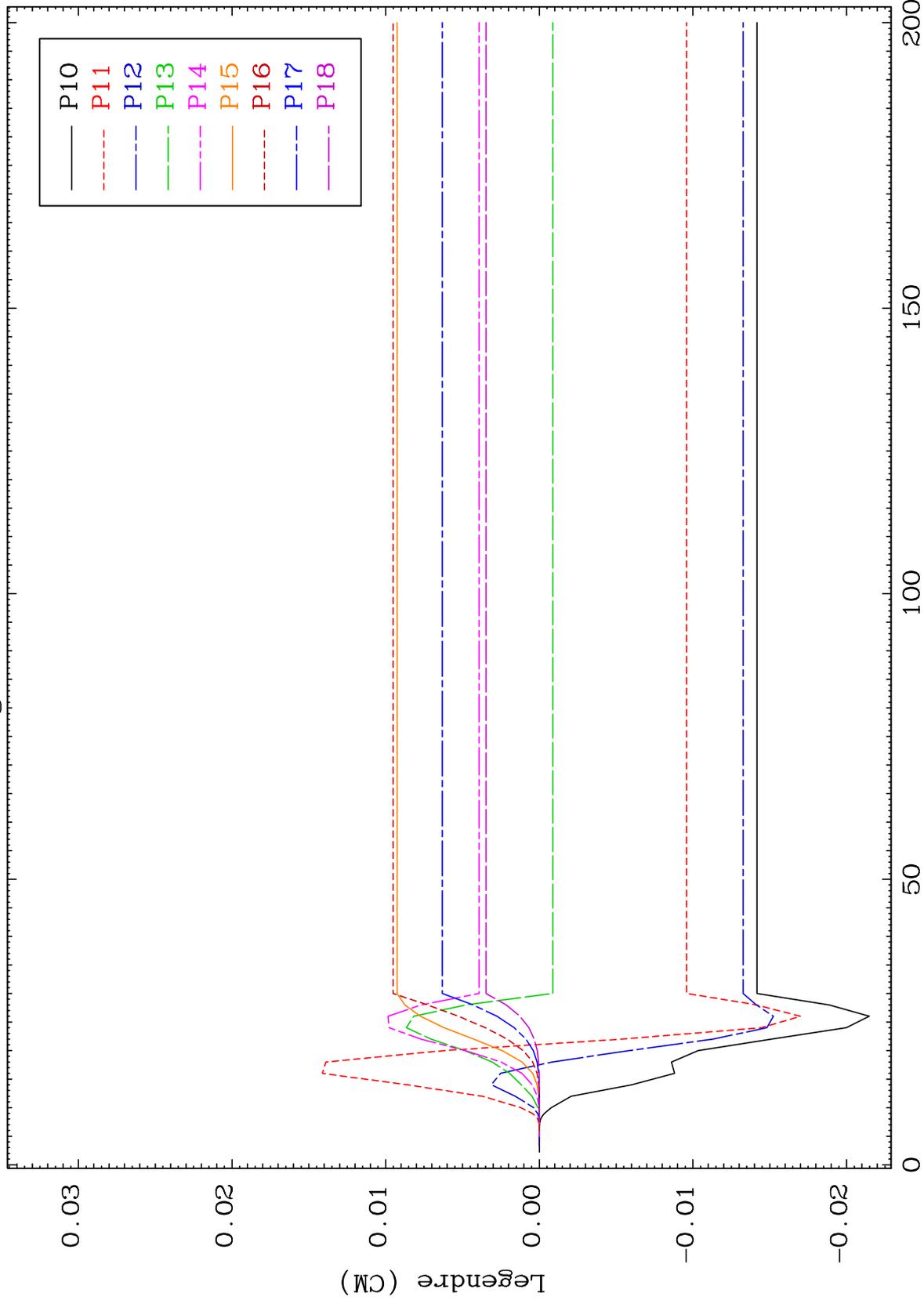




MAT 3249

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

32-Ge-78



36

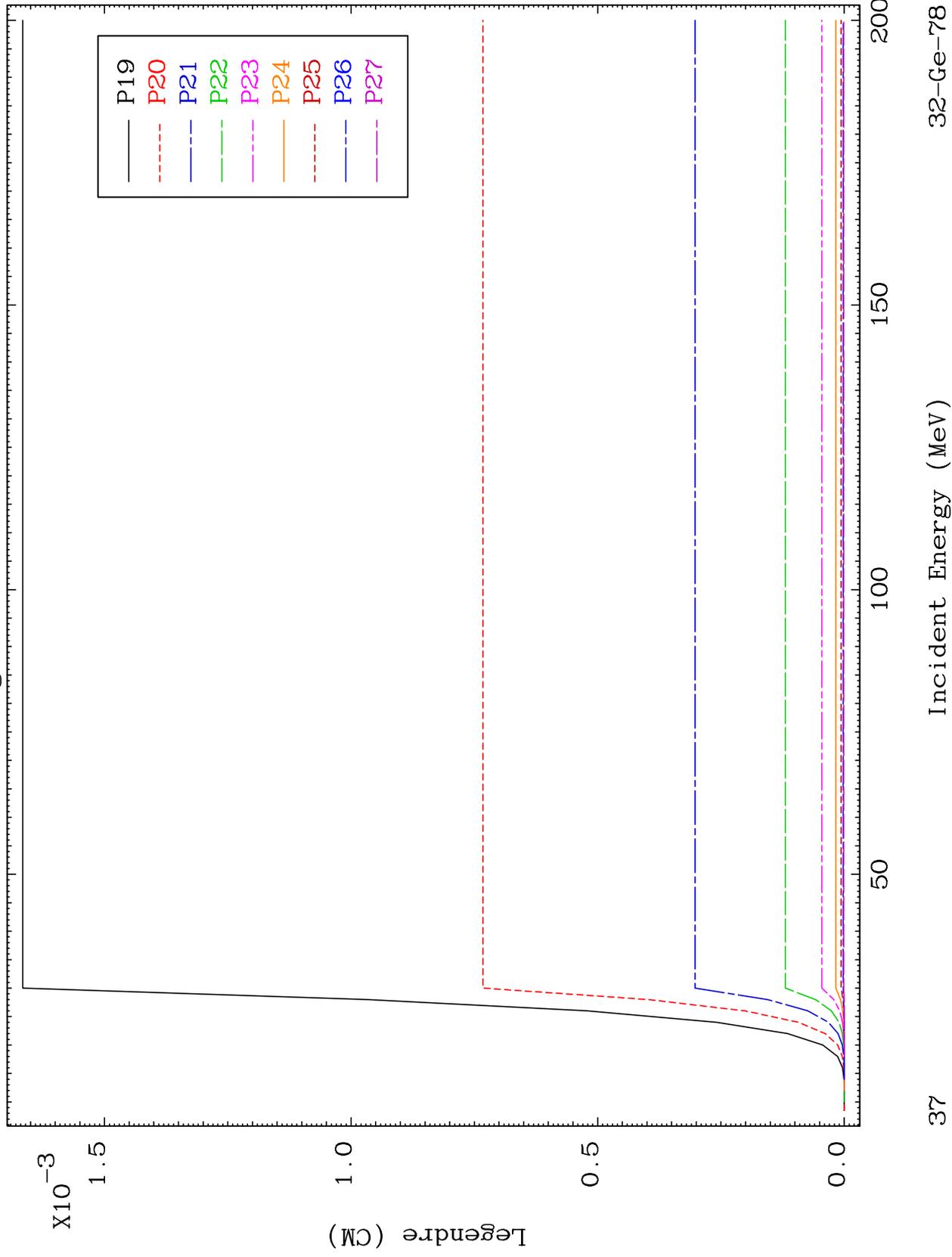
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

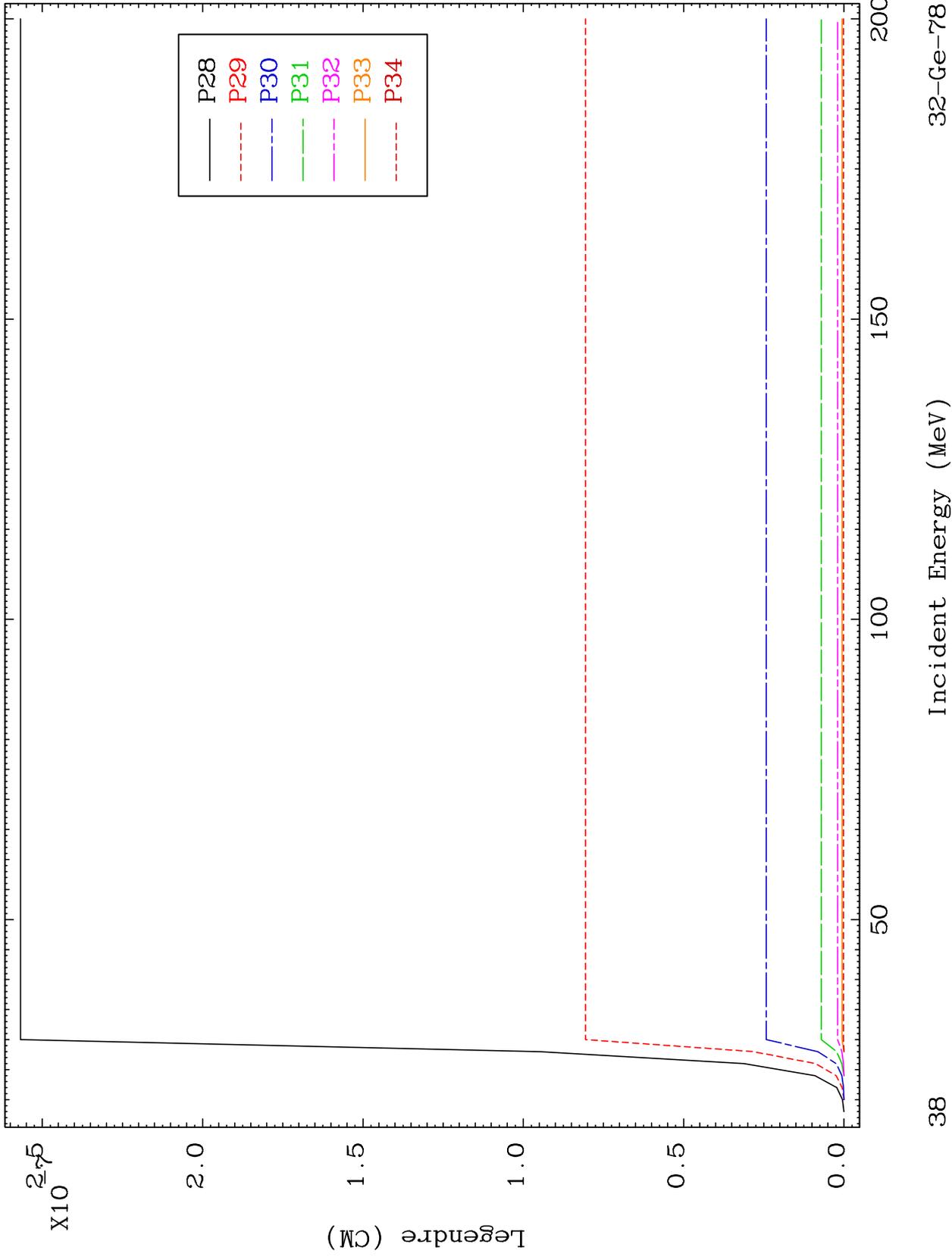
32-Ge-78

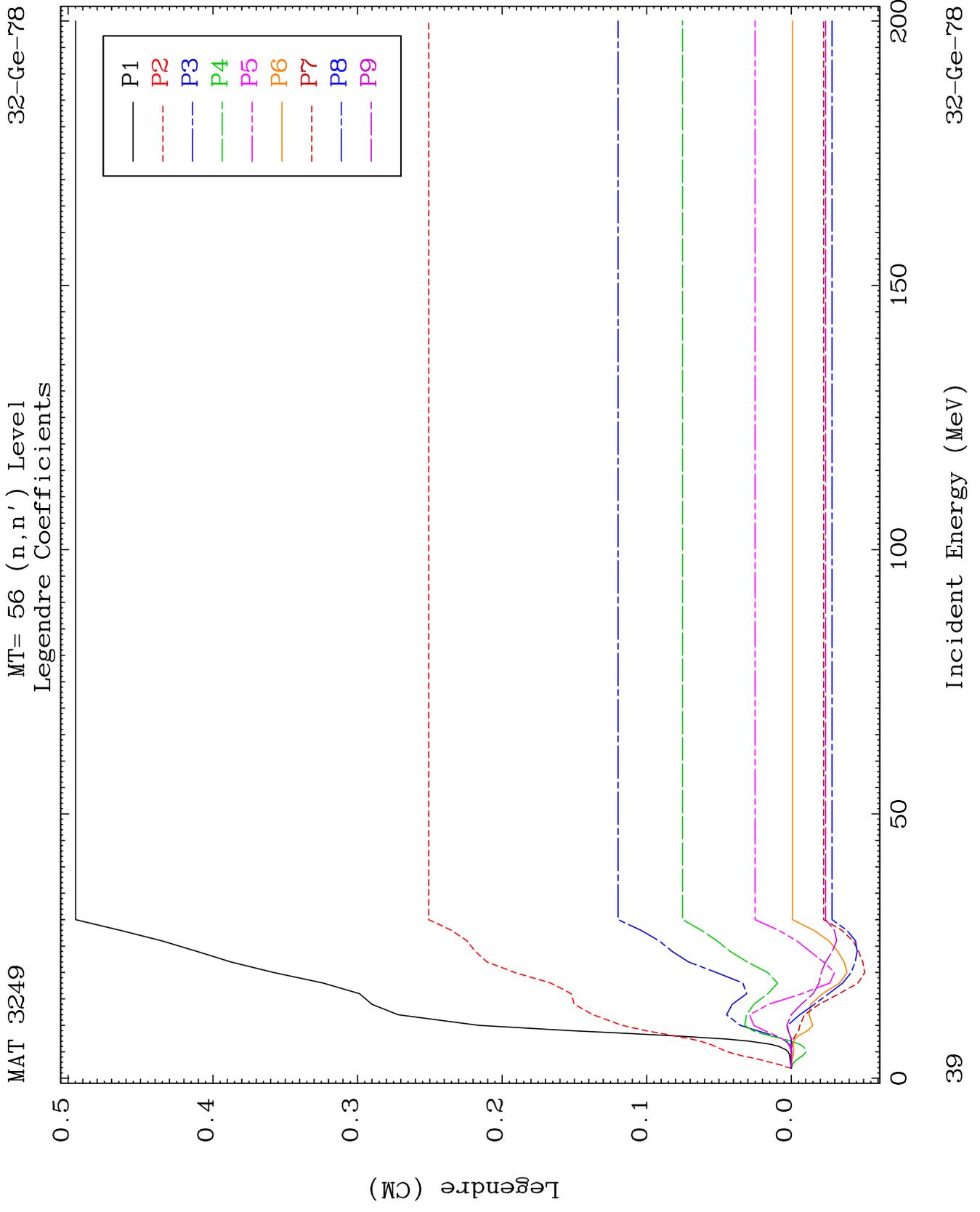


MAT 3249

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

32-Ge-78

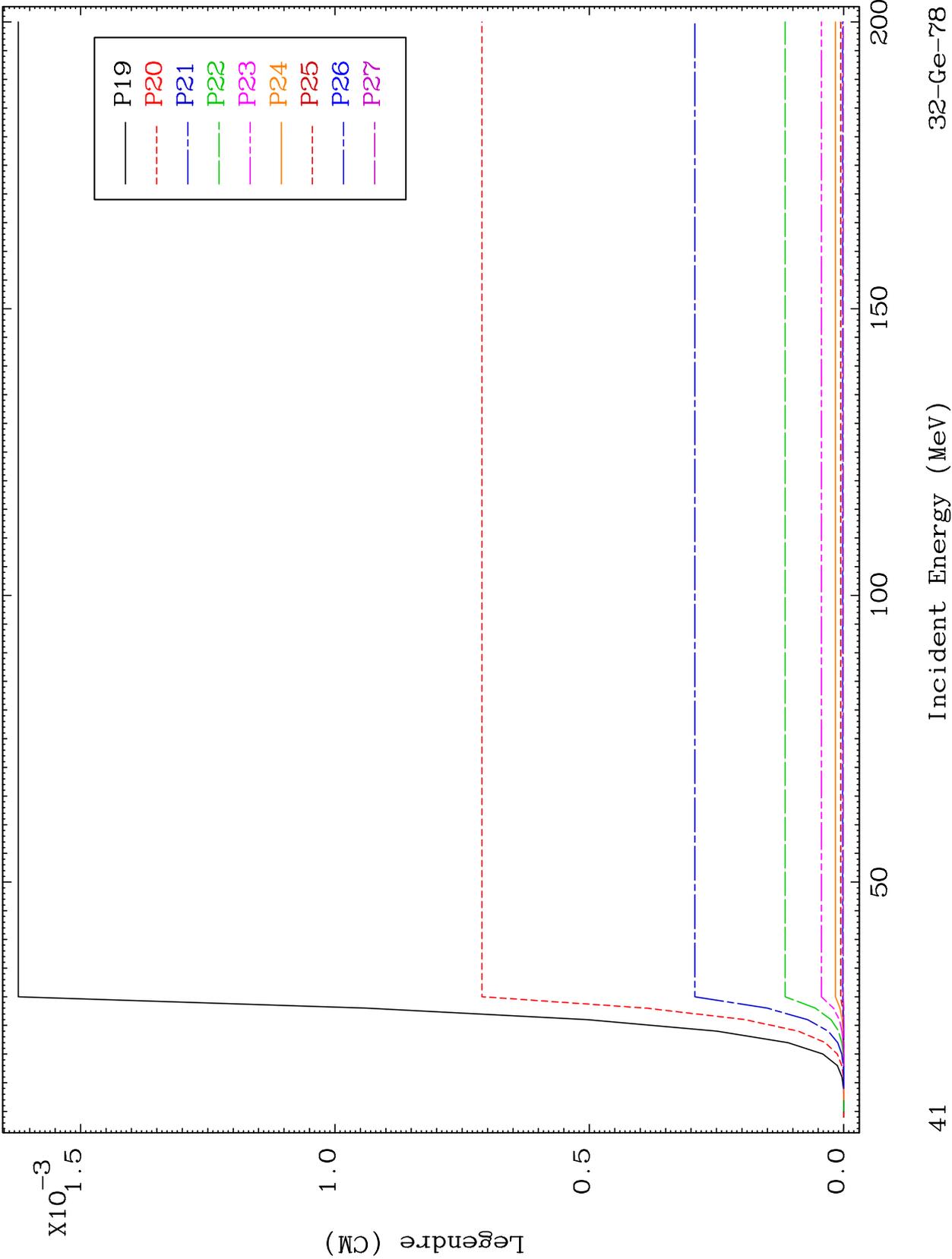




MAT 3249

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

32-Ge-78



41

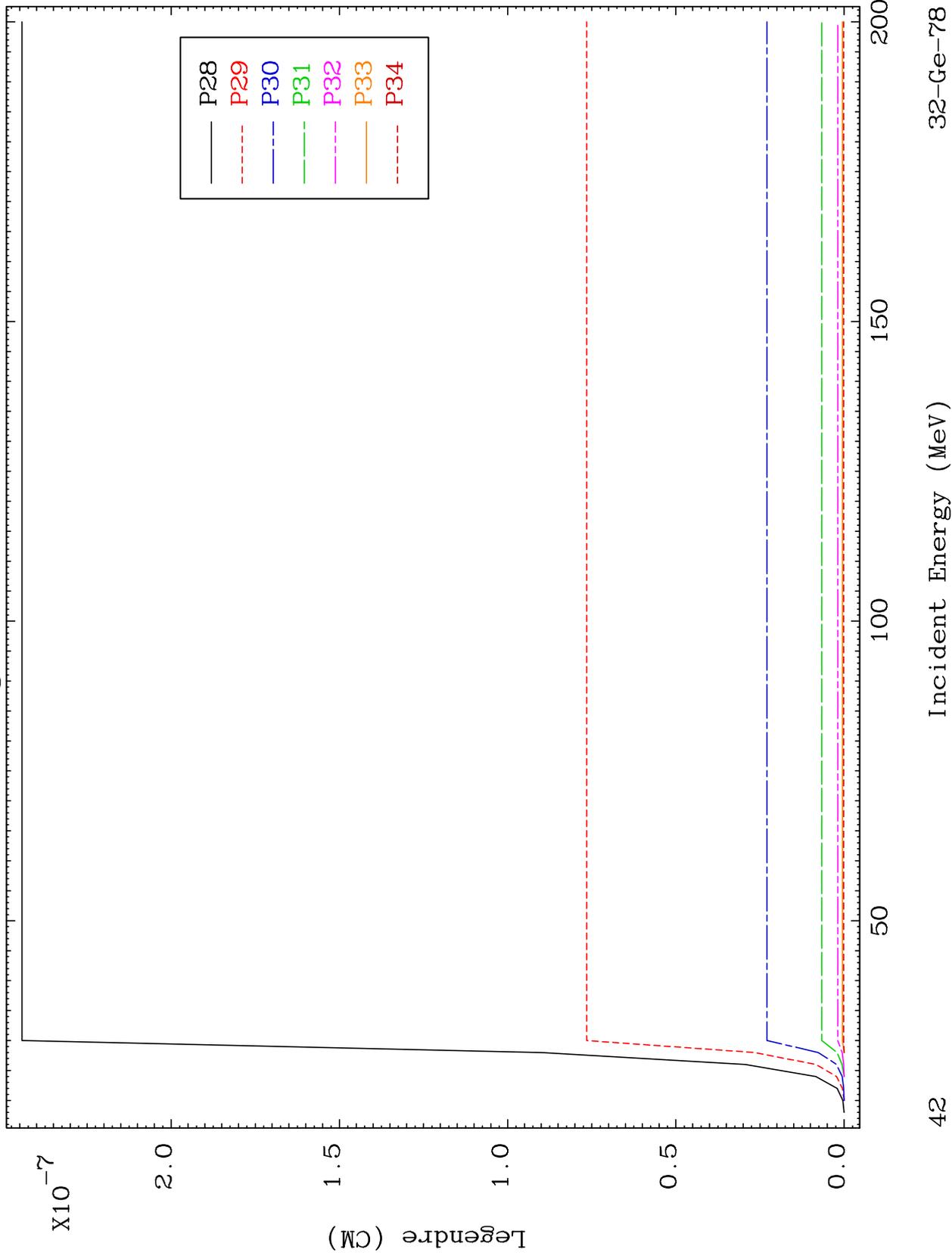
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

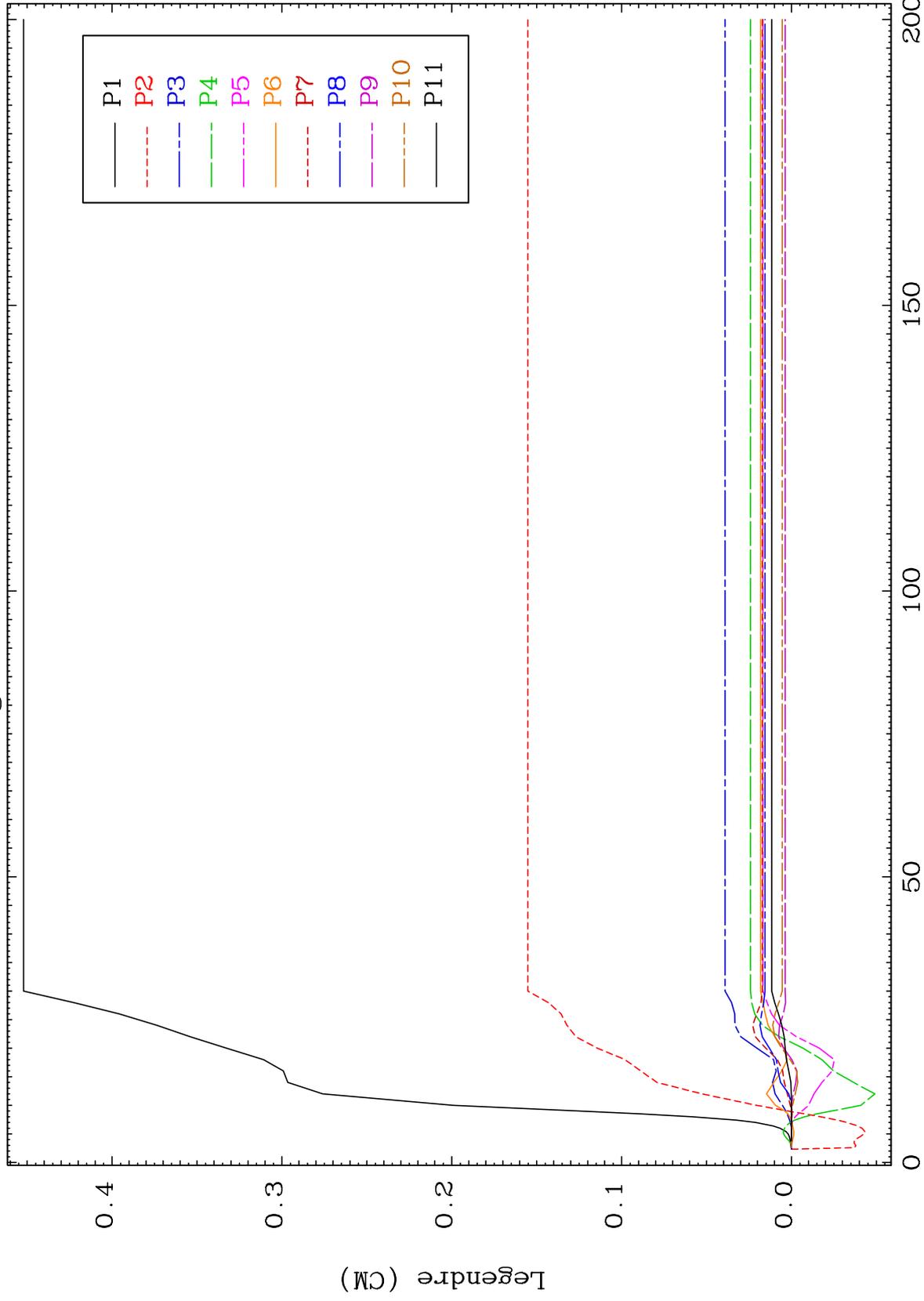
32-Ge-78



MAT 3249

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

32-Ge-78



43

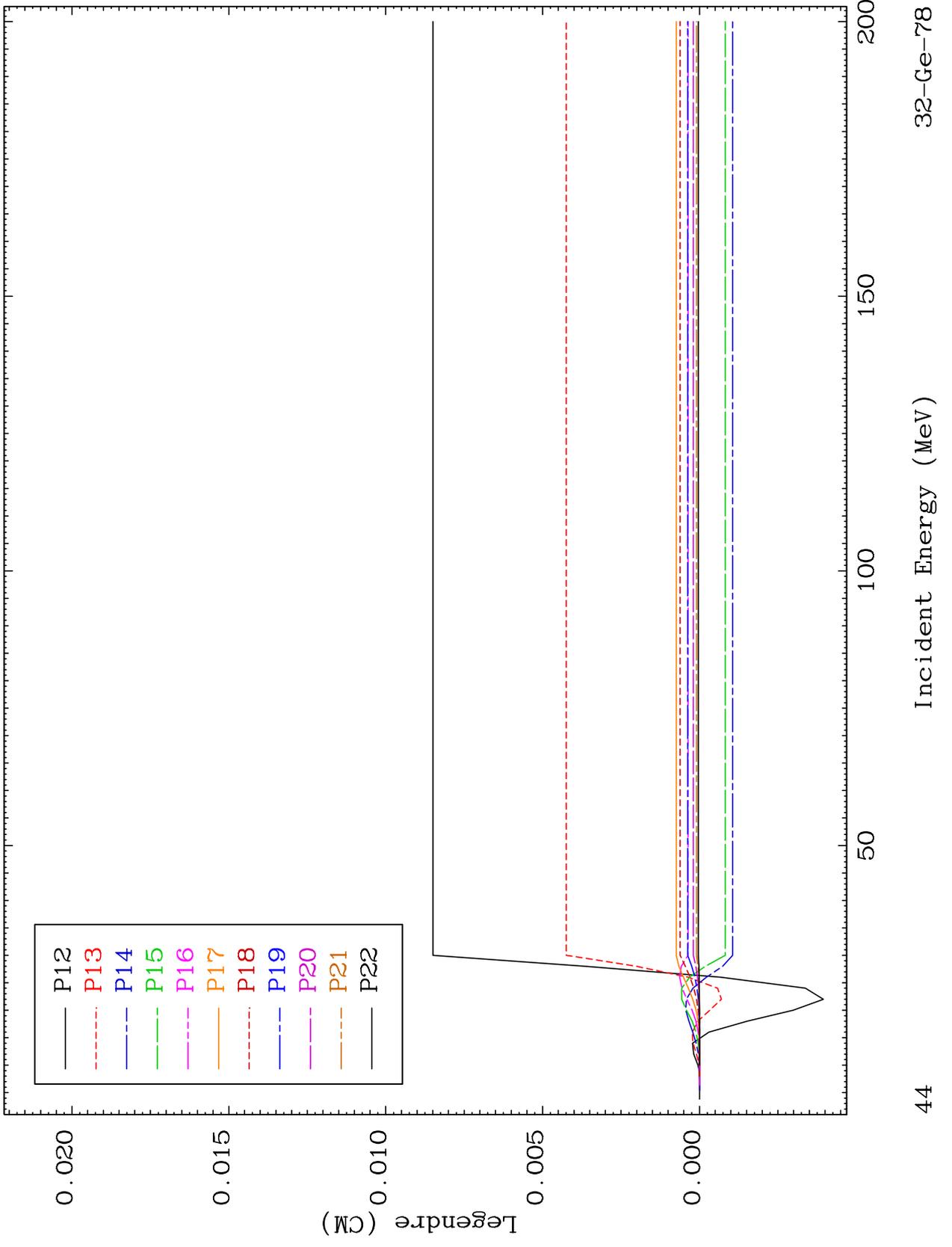
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



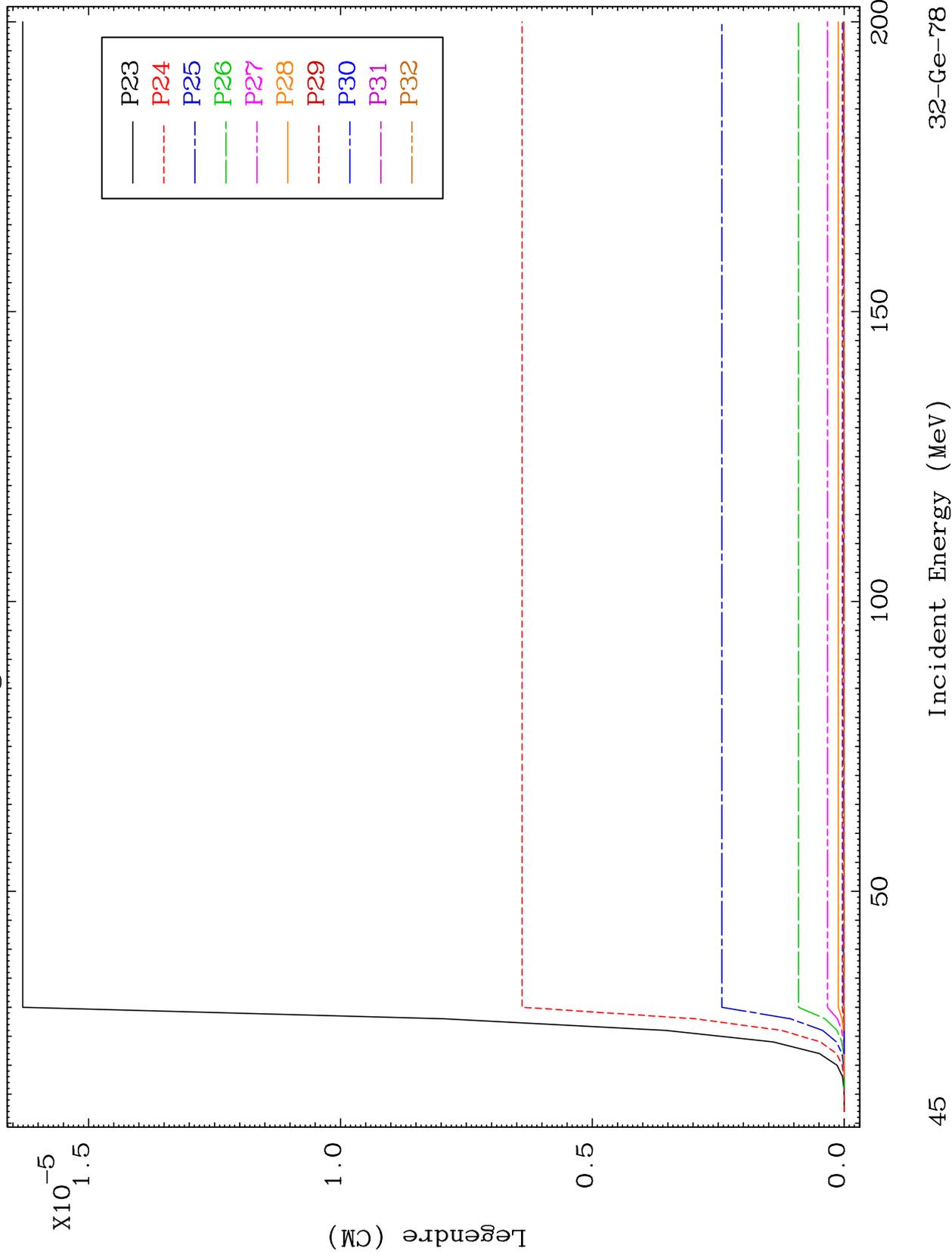
44

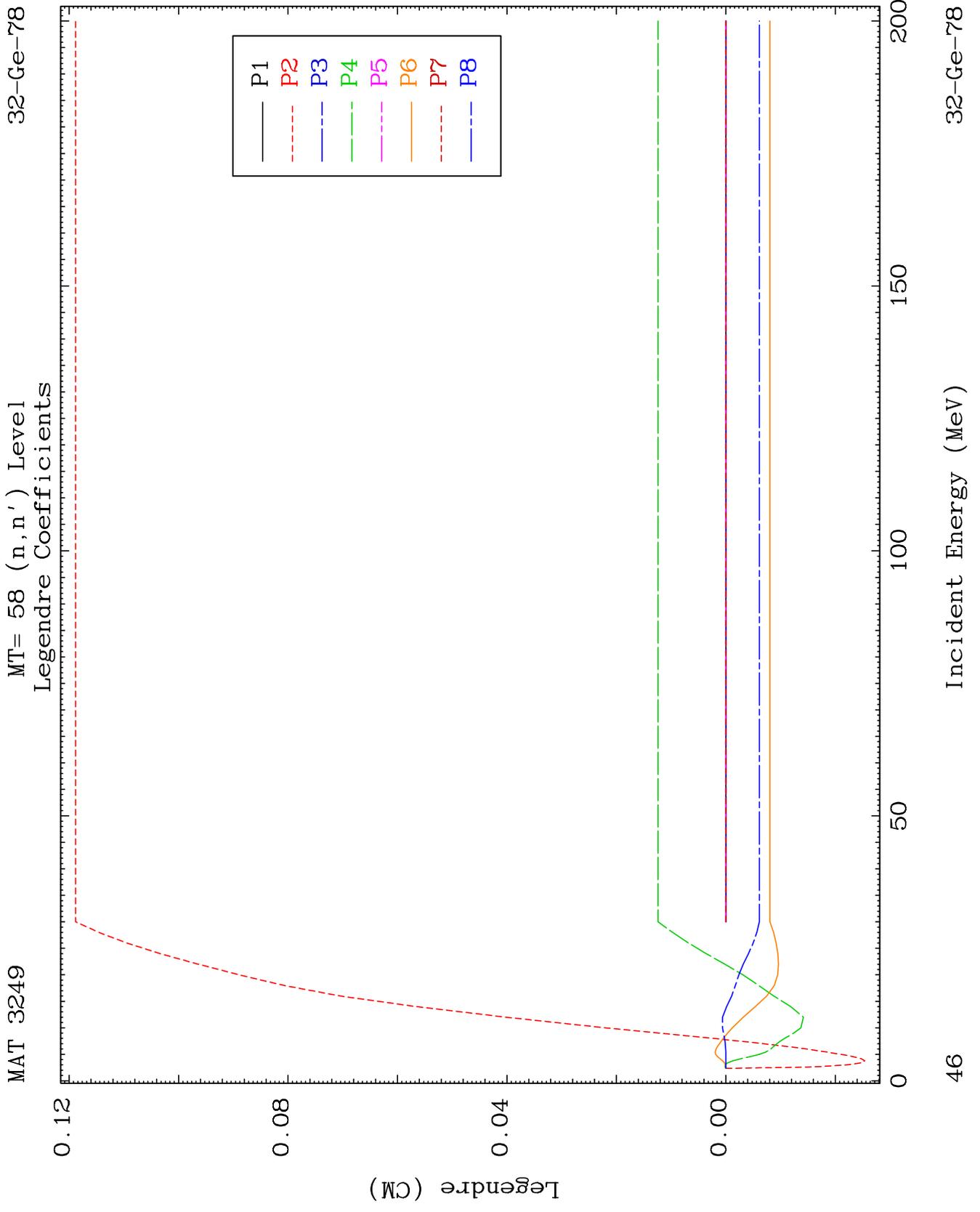
32-Ge-78

MAT 3249

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

32-Ge-78

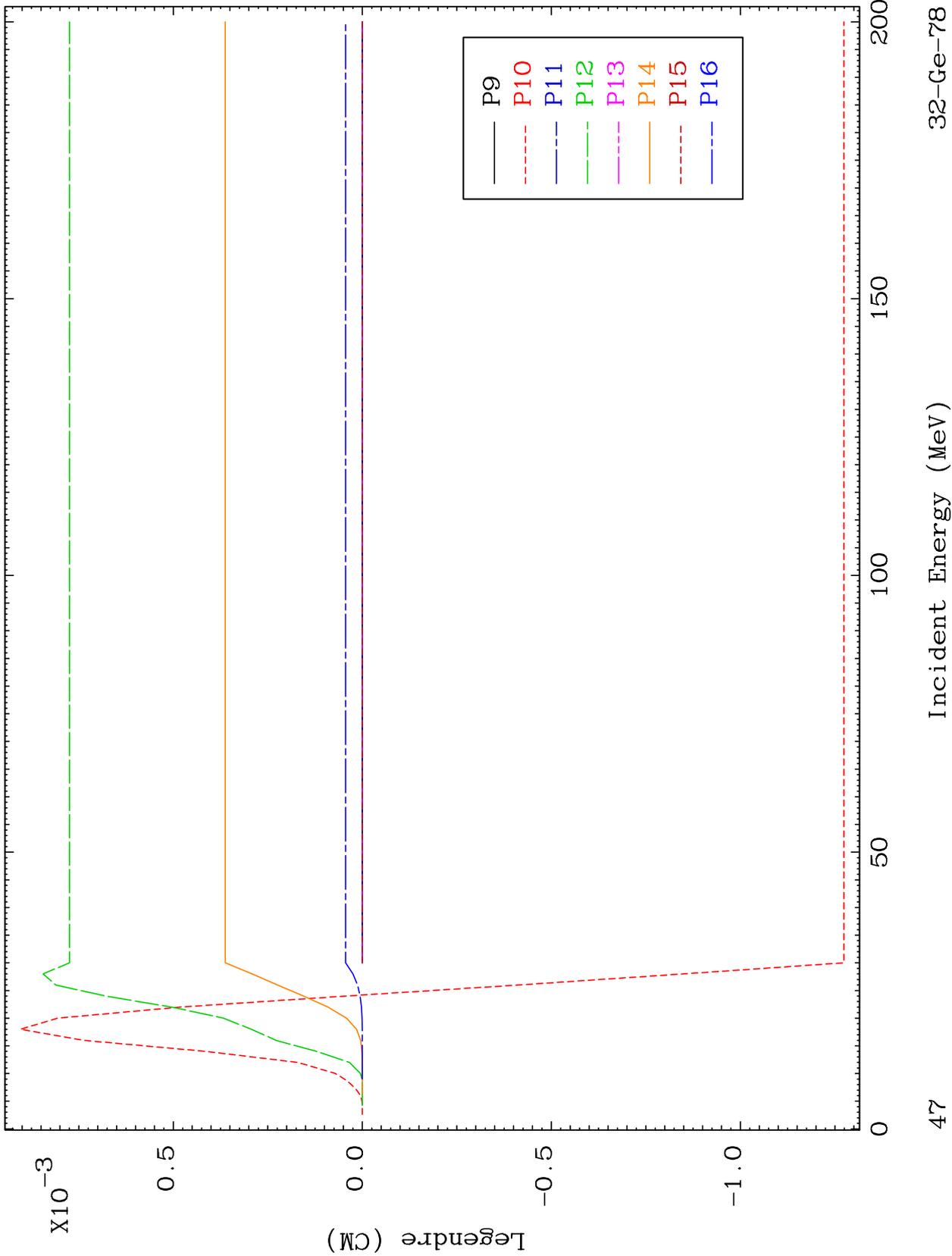




MAT 3249

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

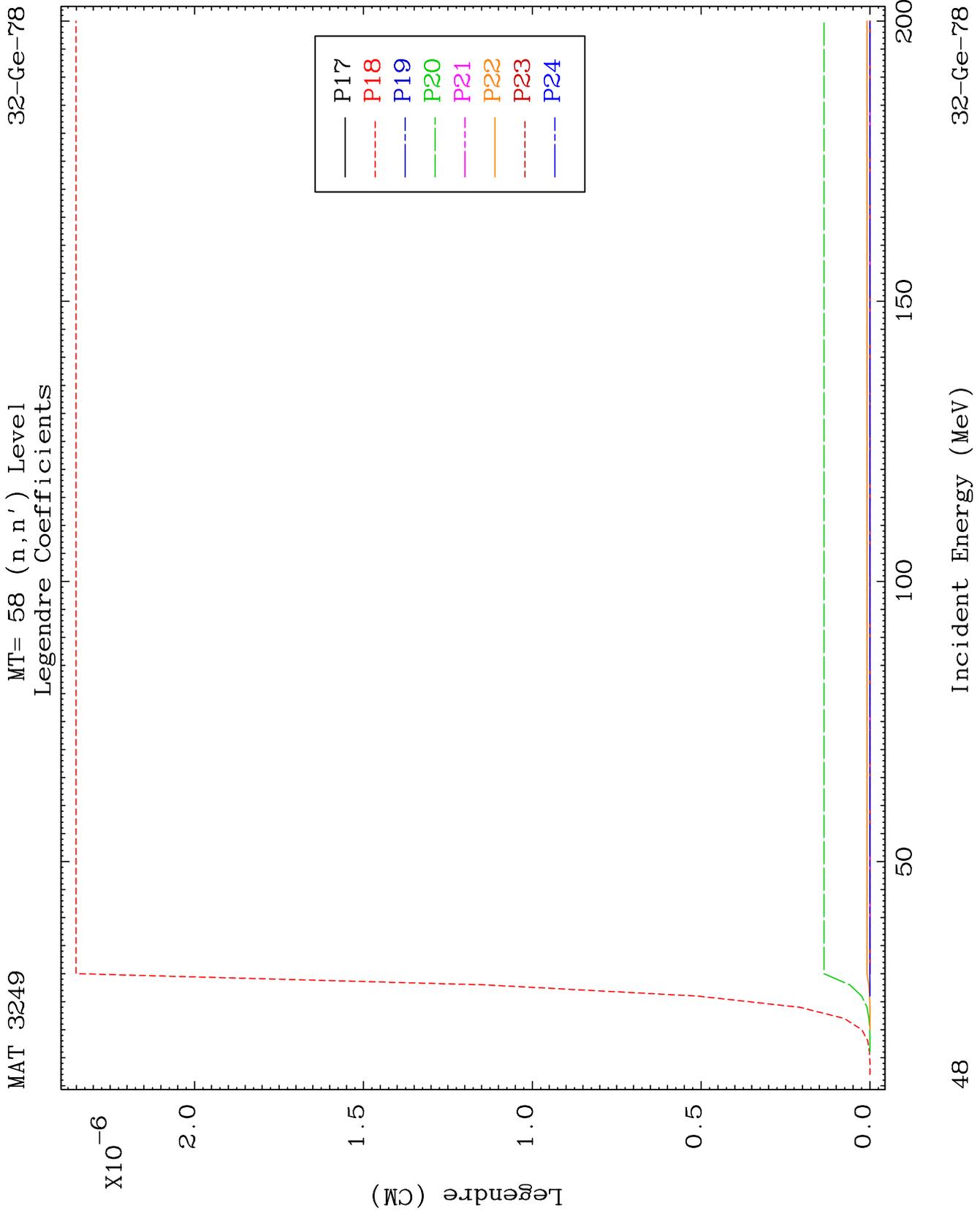
32-Ge-78



47

Incident Energy (MeV)

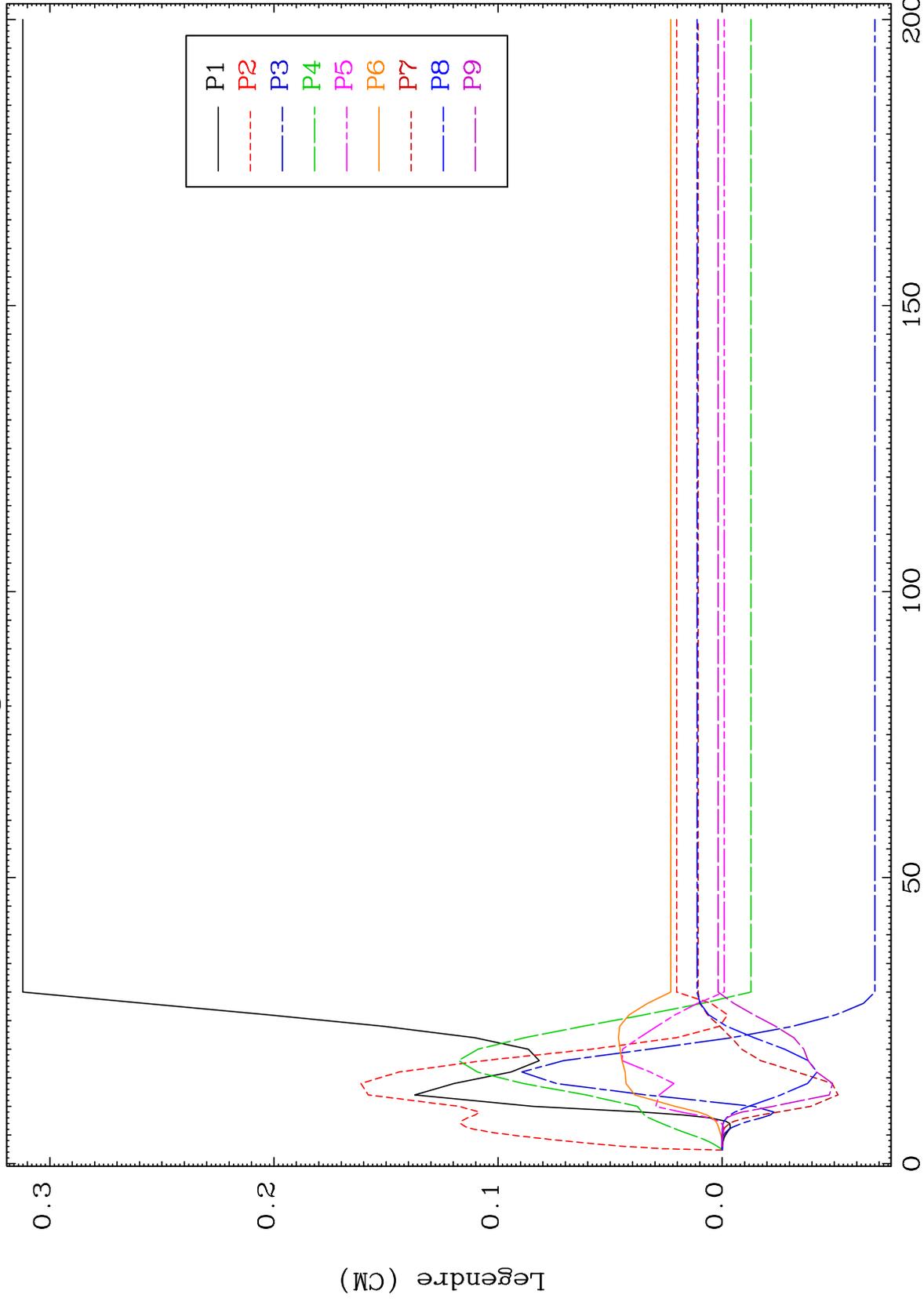
32-Ge-78



MAT 3249

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

32-Ge-78



49

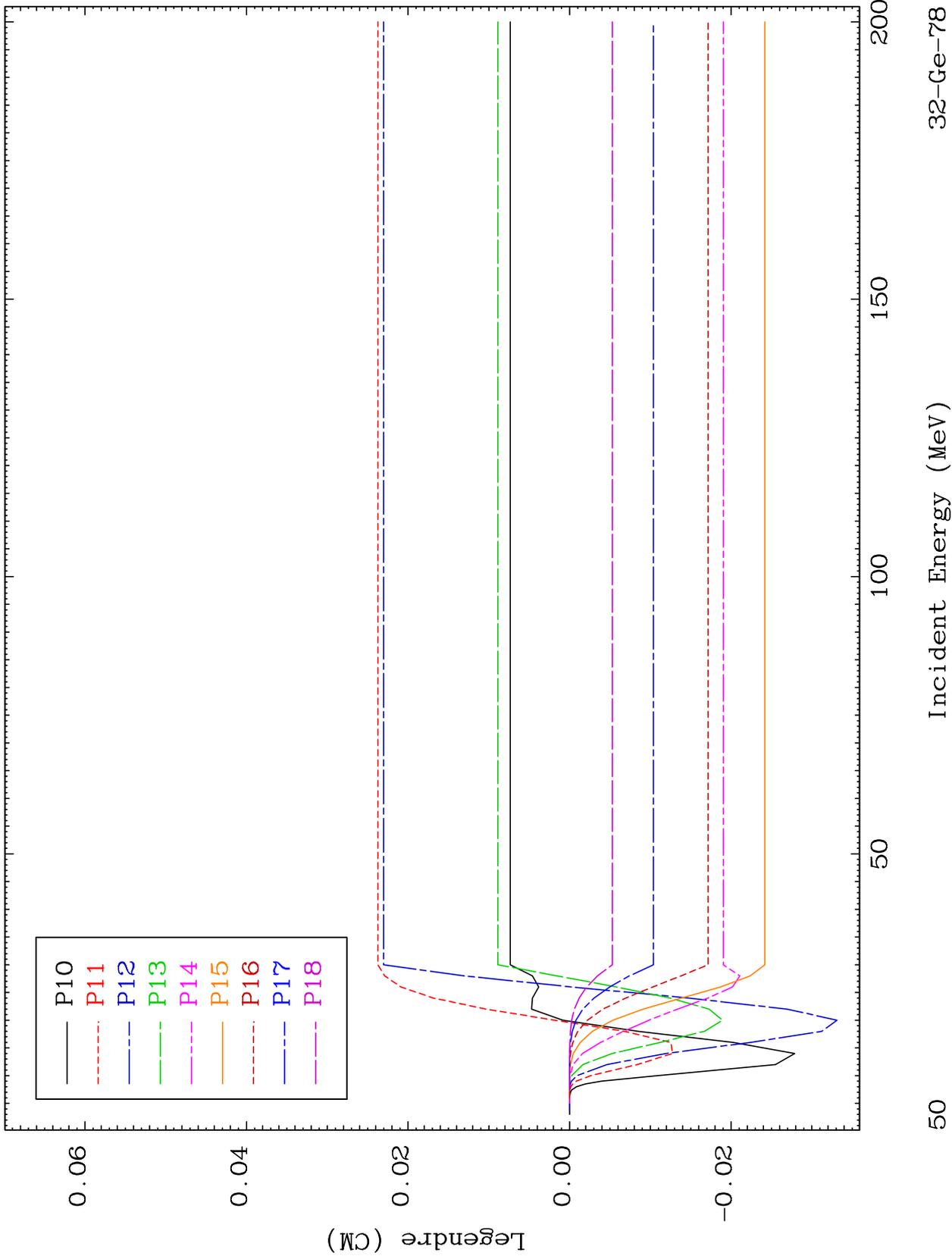
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

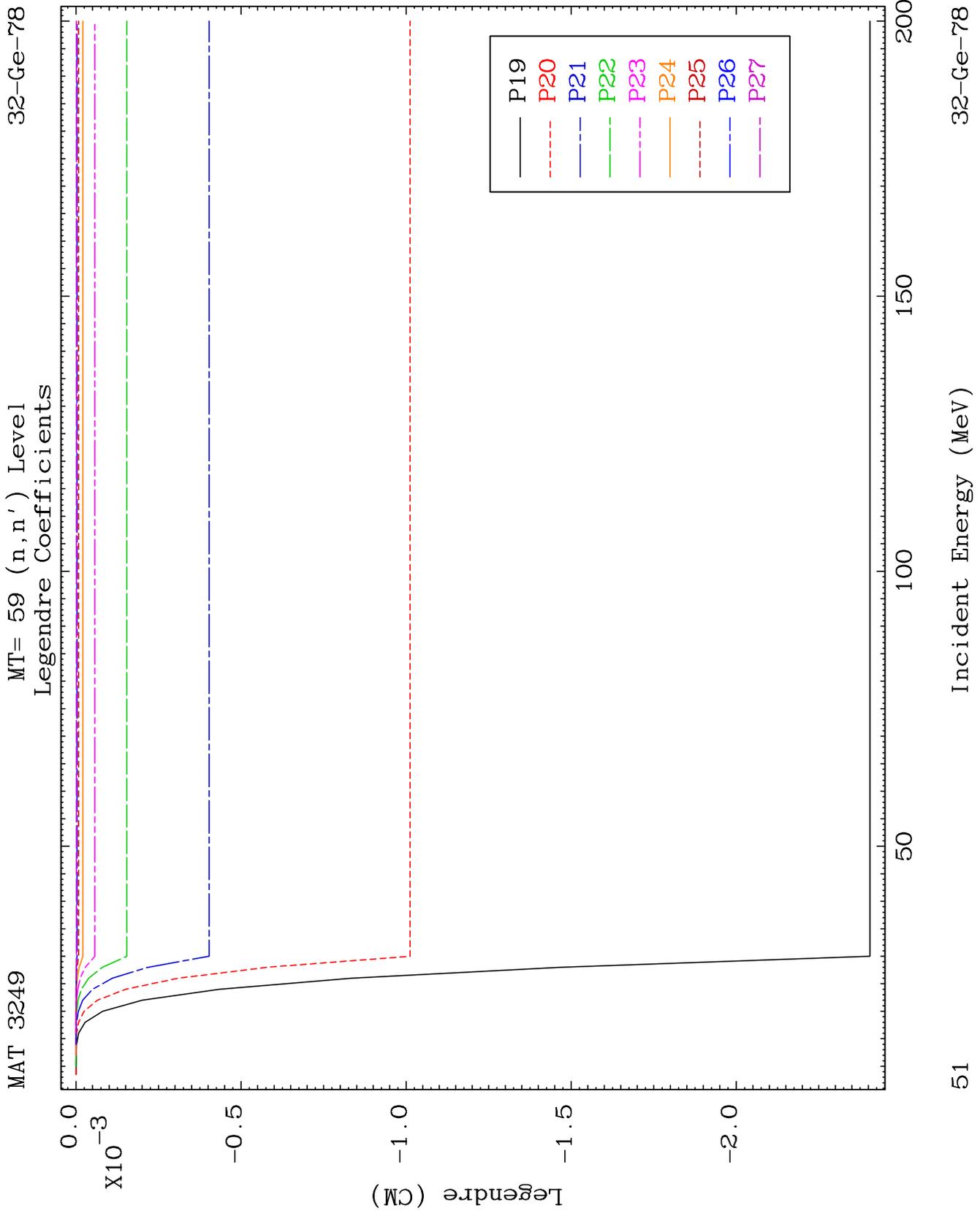
32-Ge-78

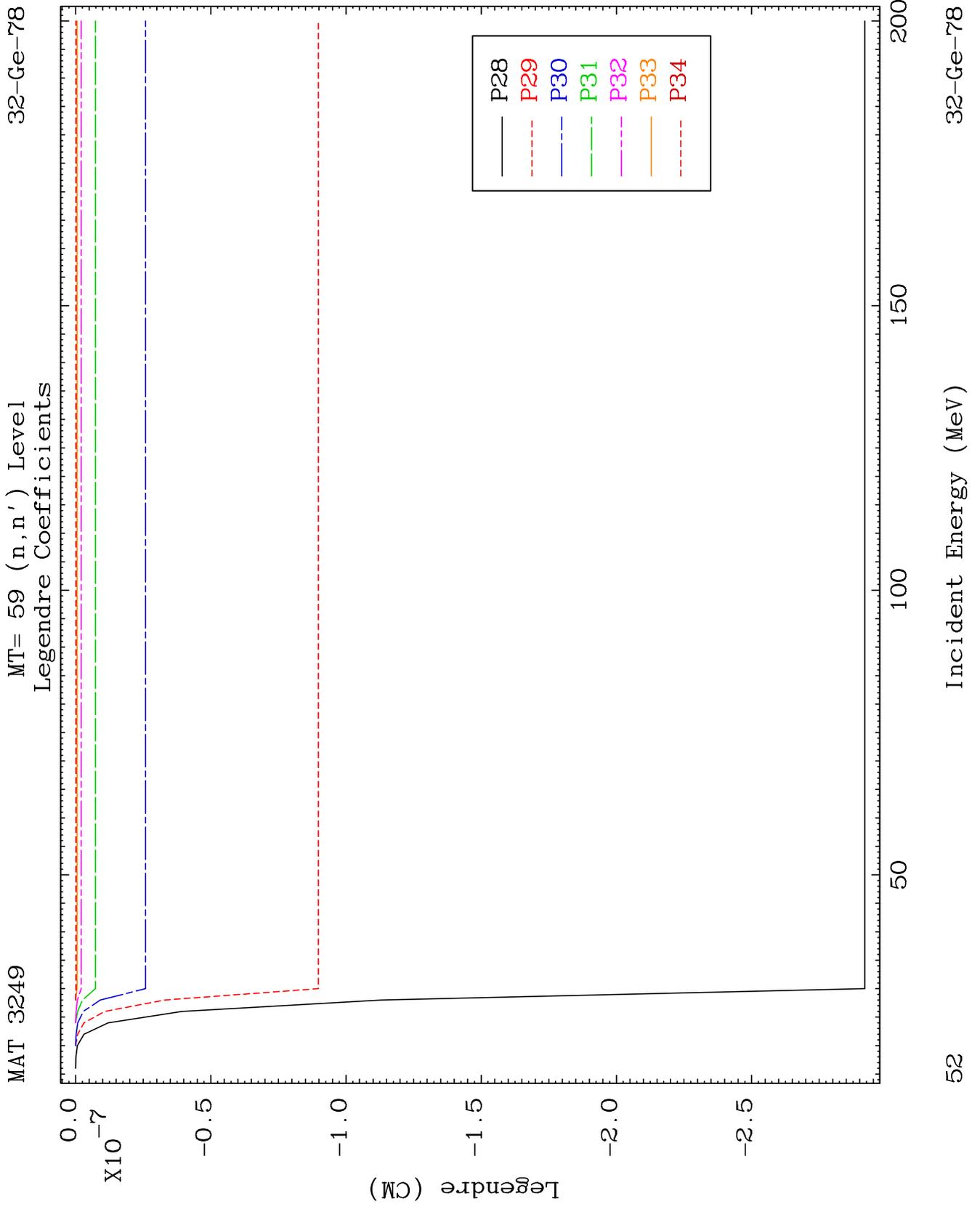


50

Incident Energy (MeV)

32-Ge-78

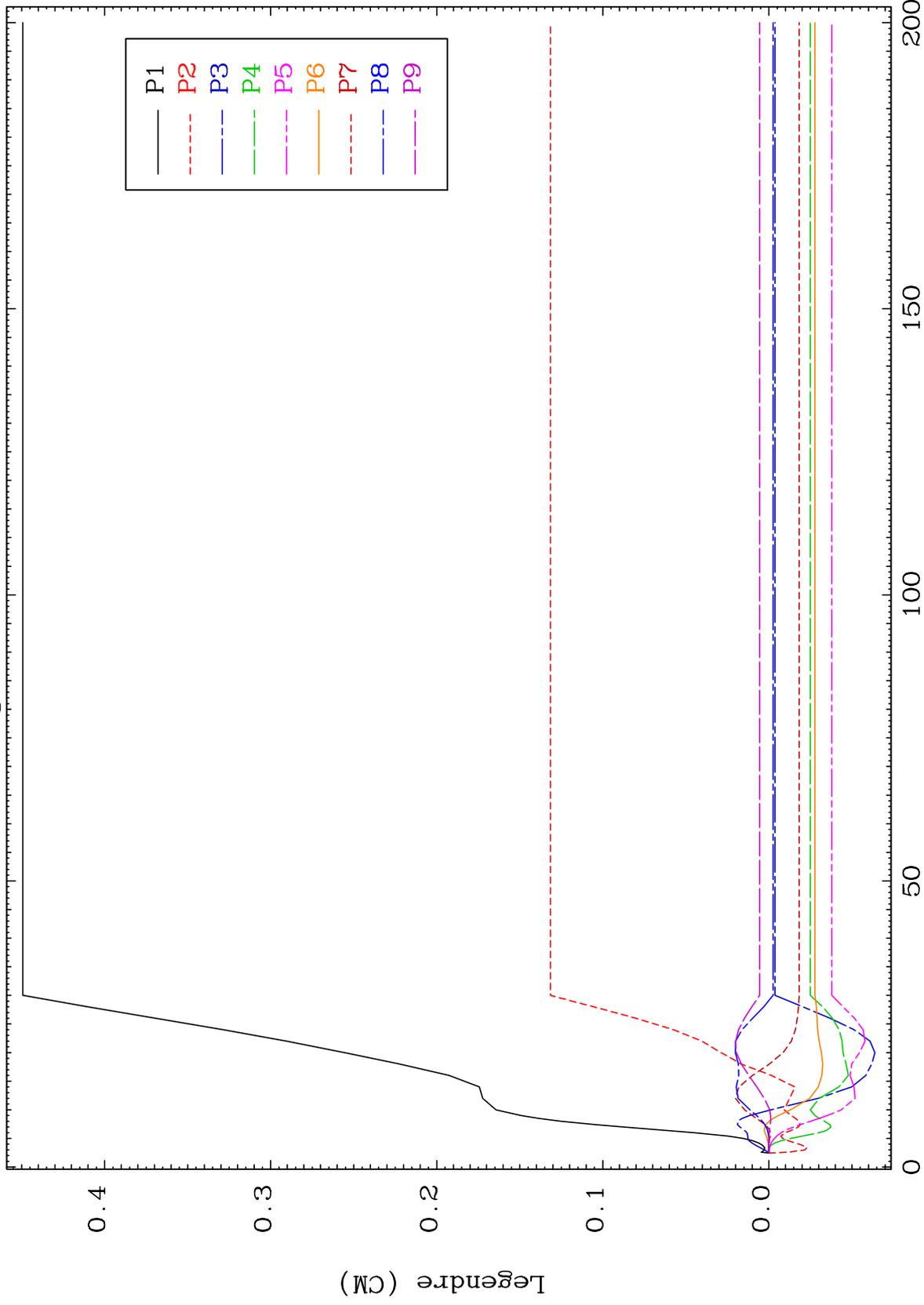




MAT 3249

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

32-Ge-78



53

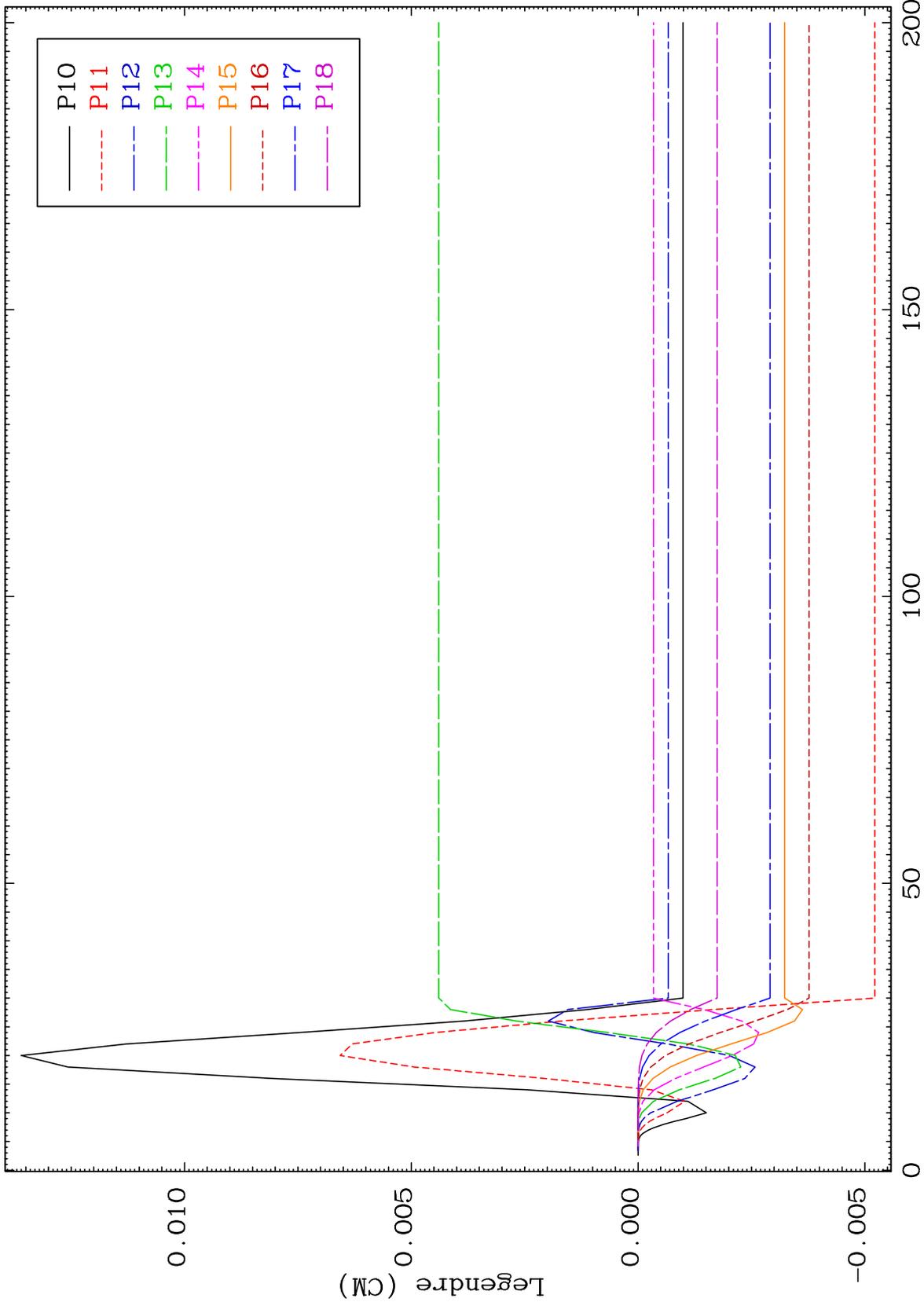
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

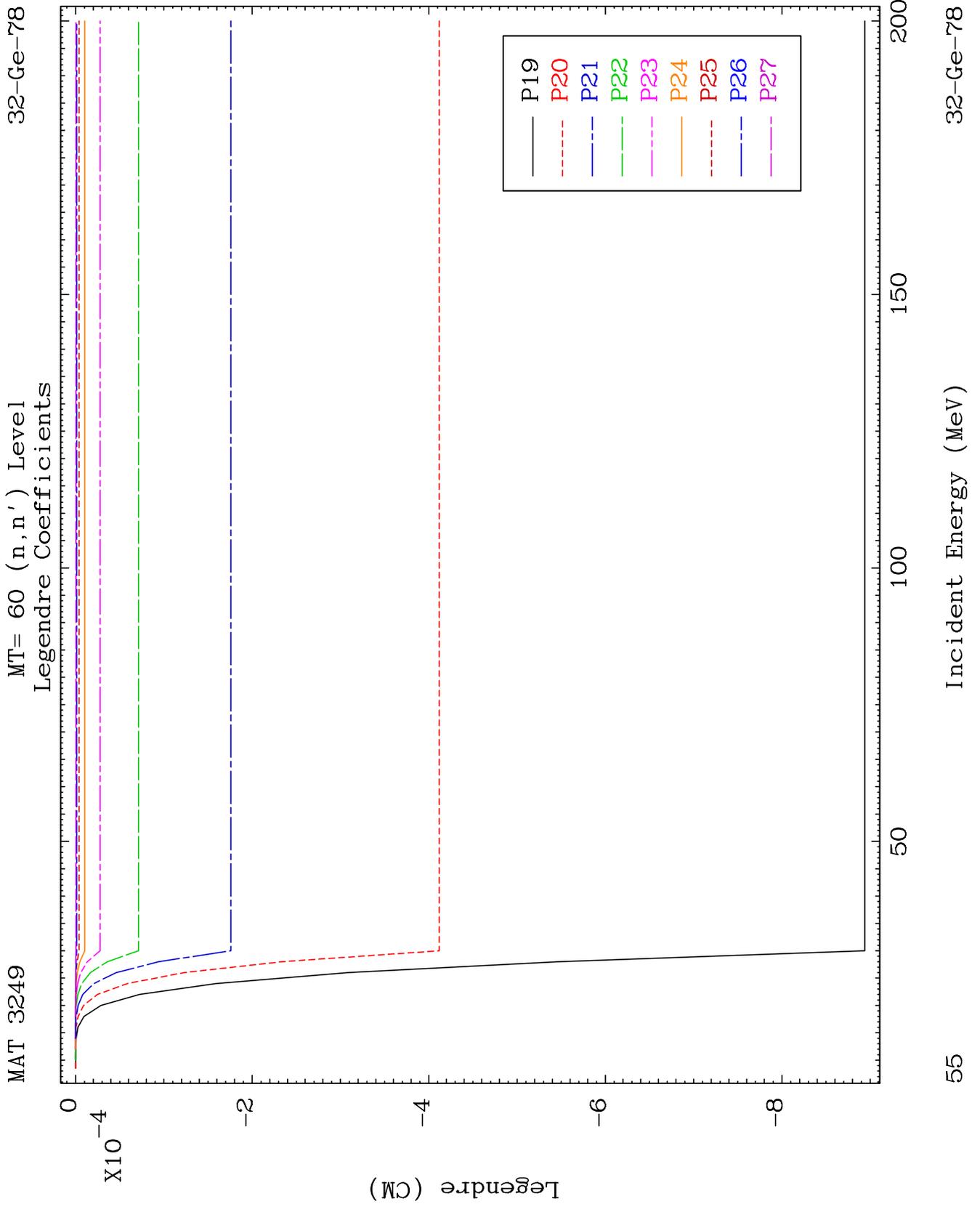
32-Ge-78

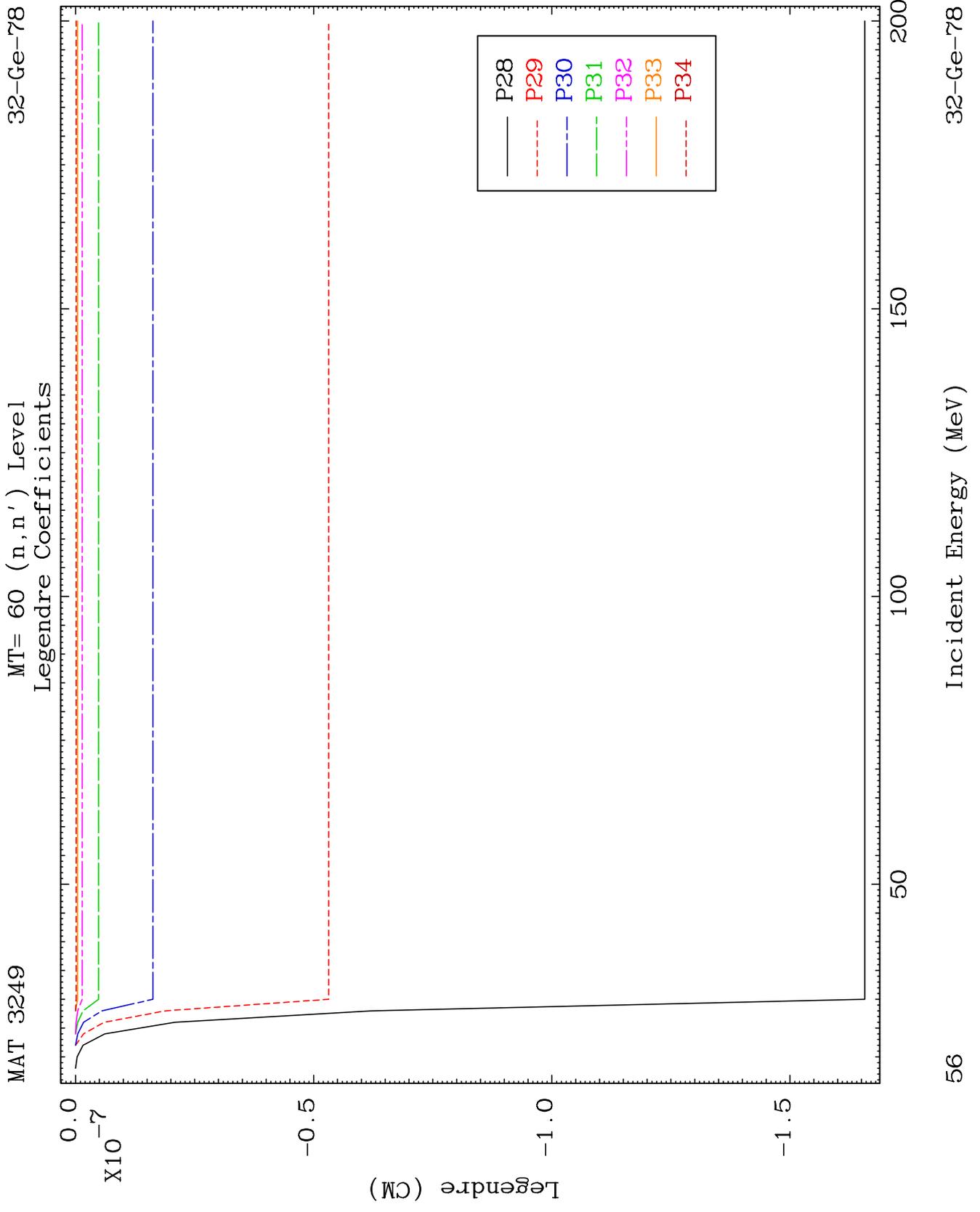


54

Incident Energy (MeV)

32-Ge-78

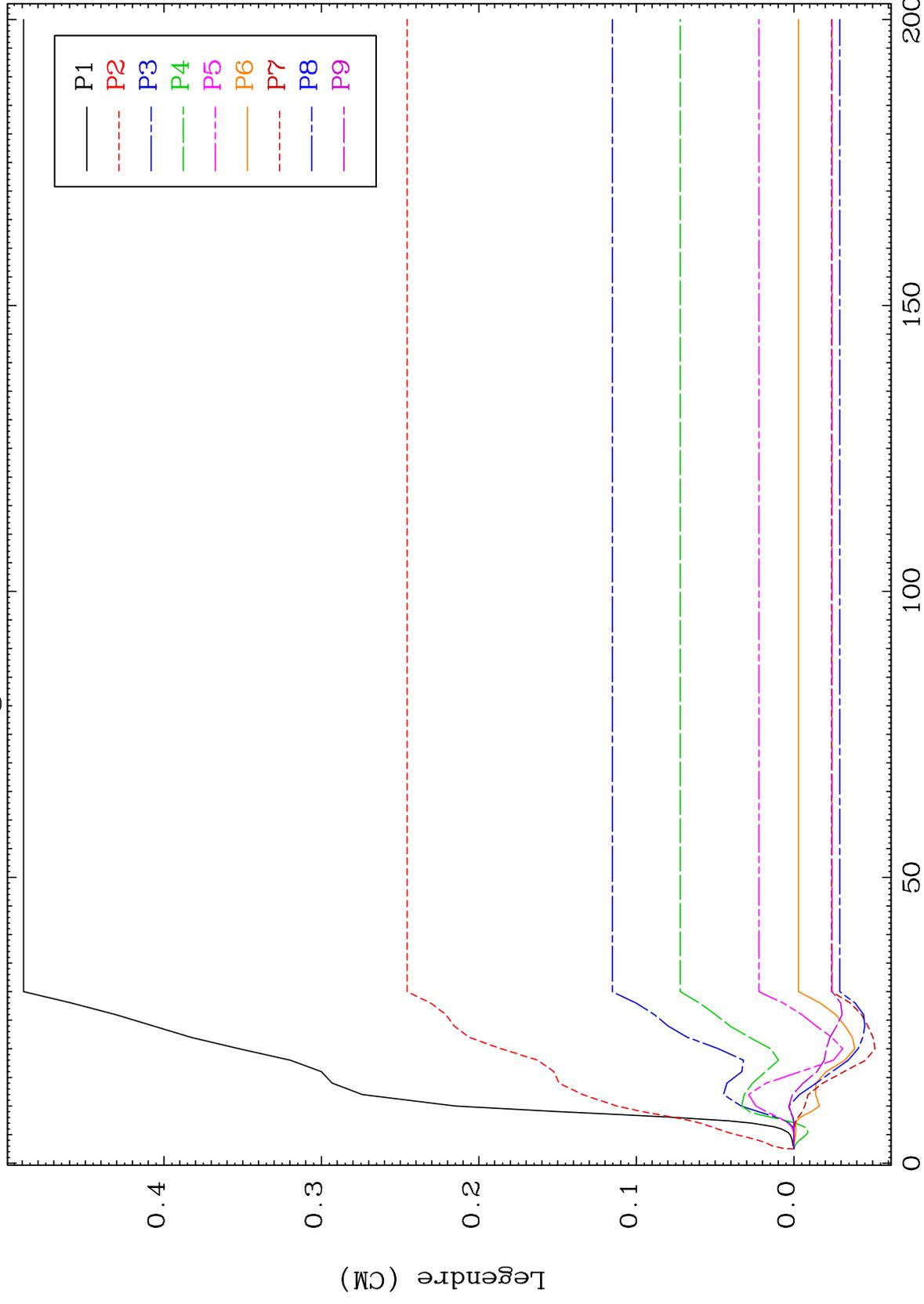




MAT 3249

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

32-Ge-78



57

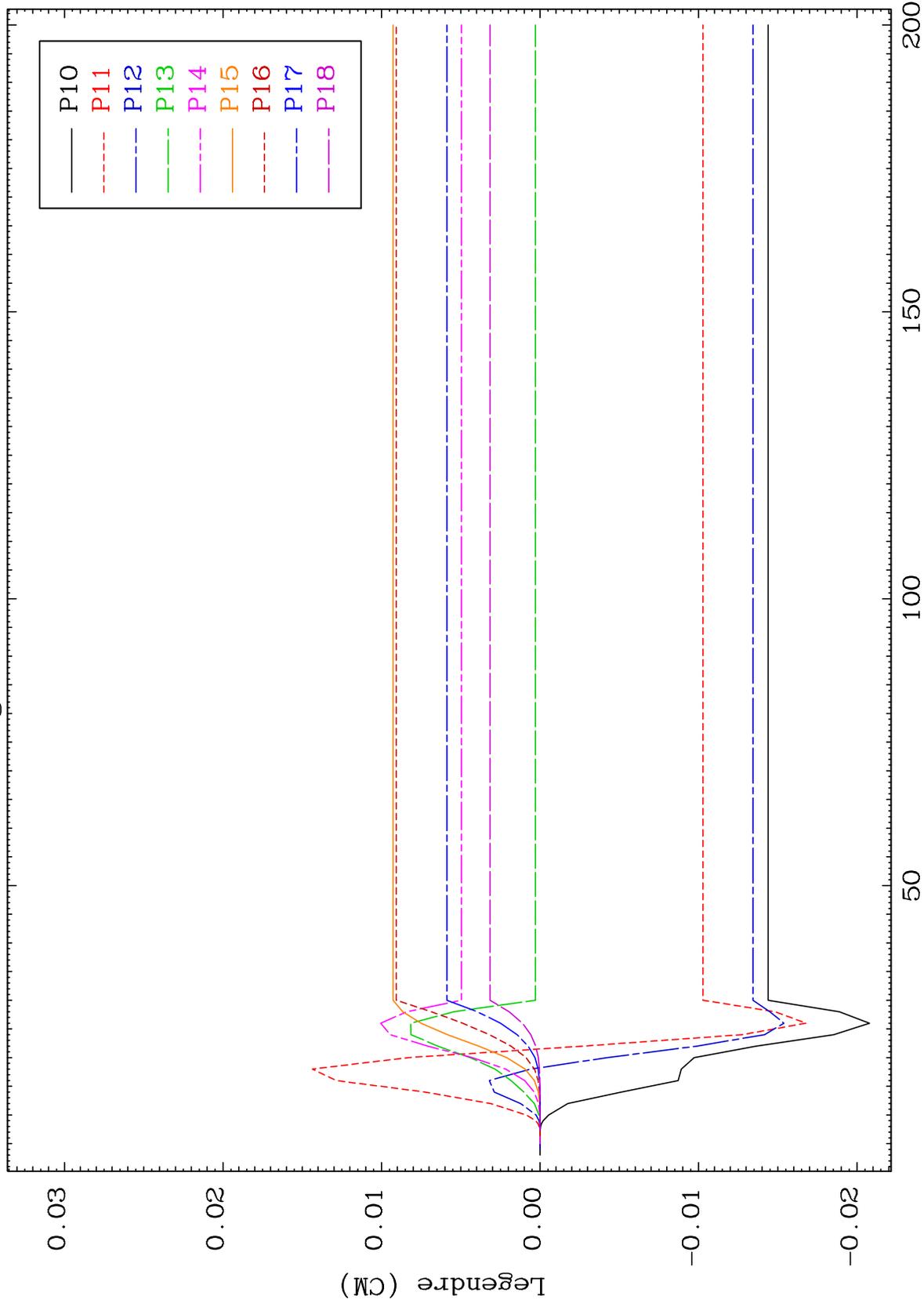
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

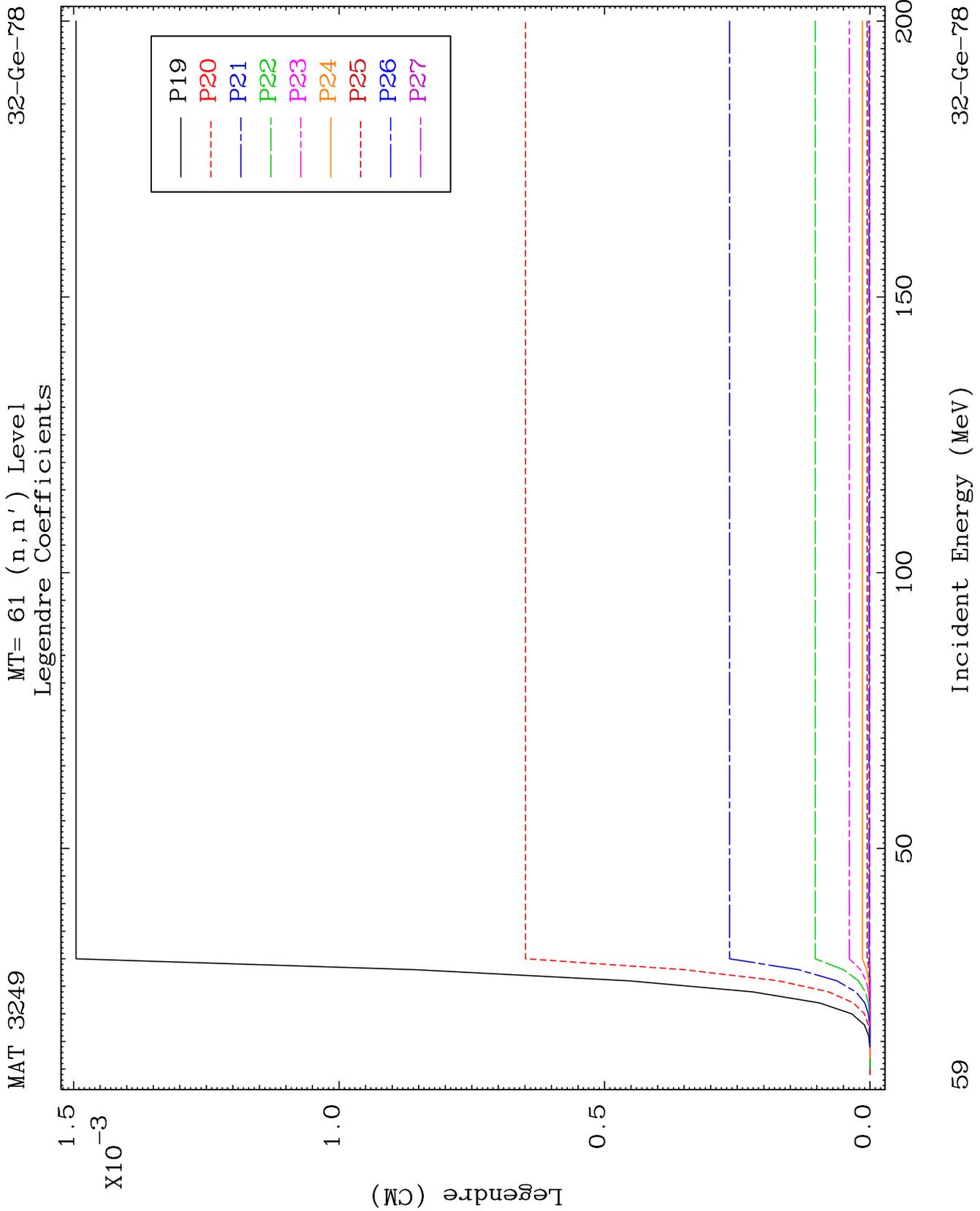
32-Ge-78



58

Incident Energy (MeV)

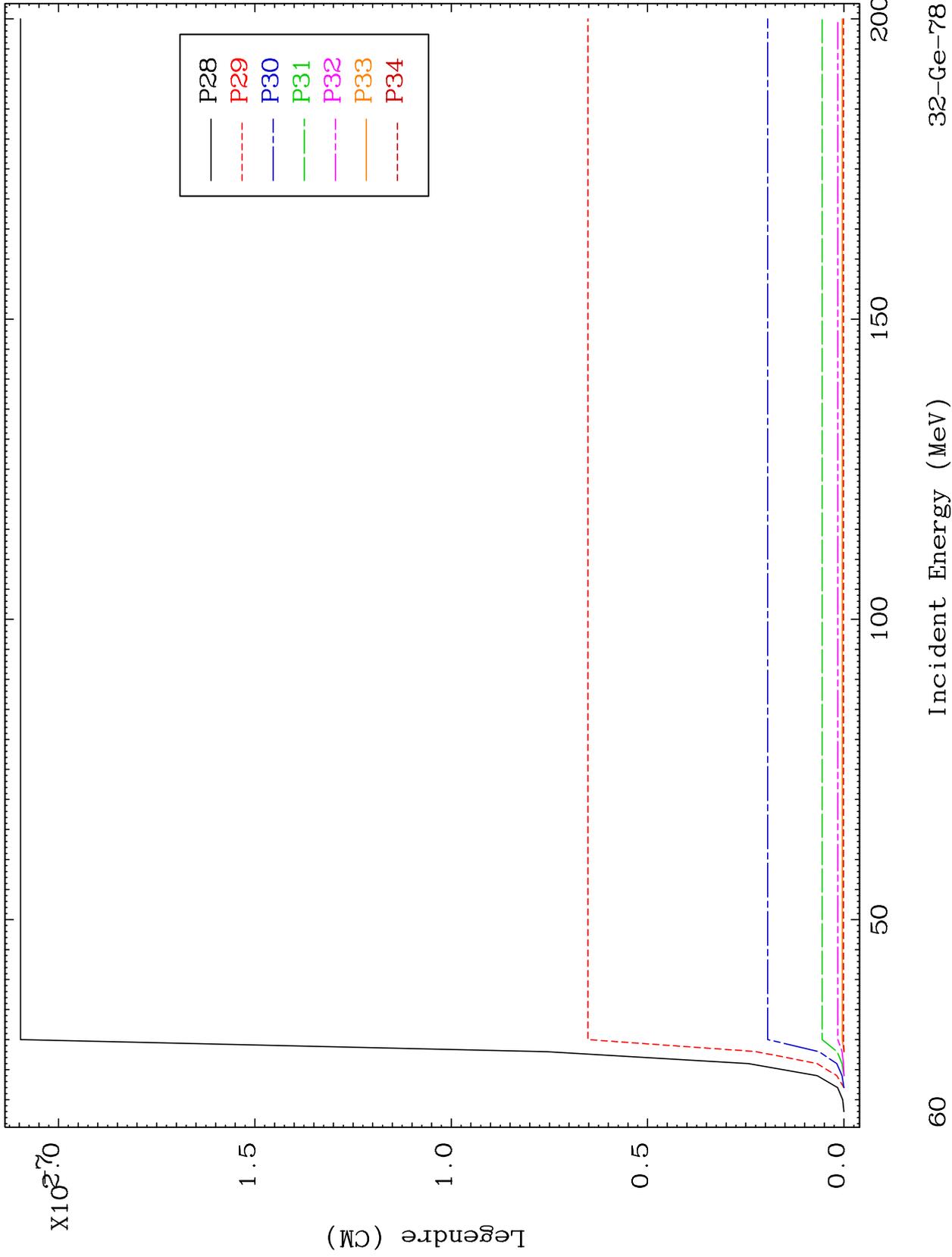
32-Ge-78



MAT 3249

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

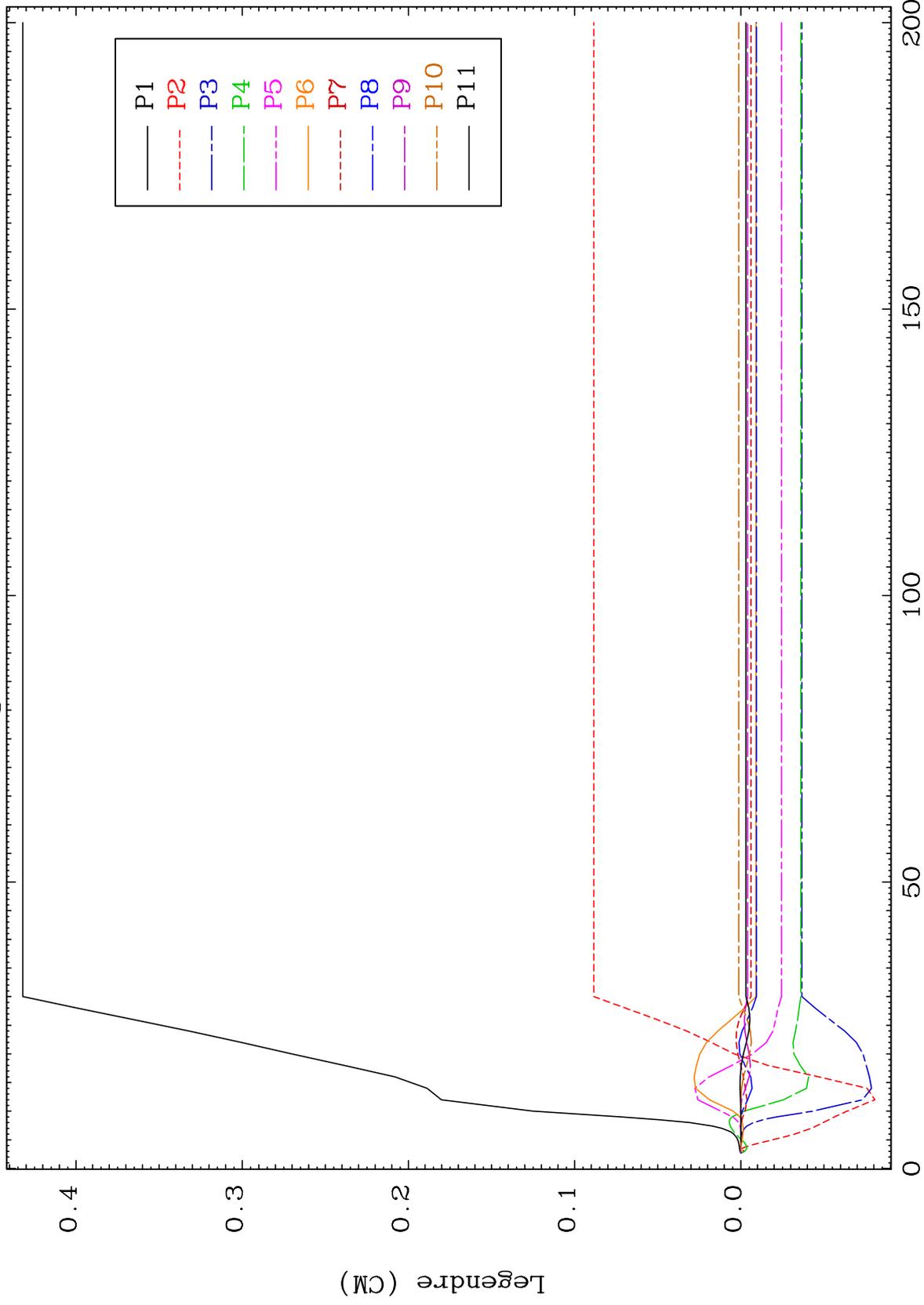
32-Ge-78



MAT 3249

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

32-Ge-78



61

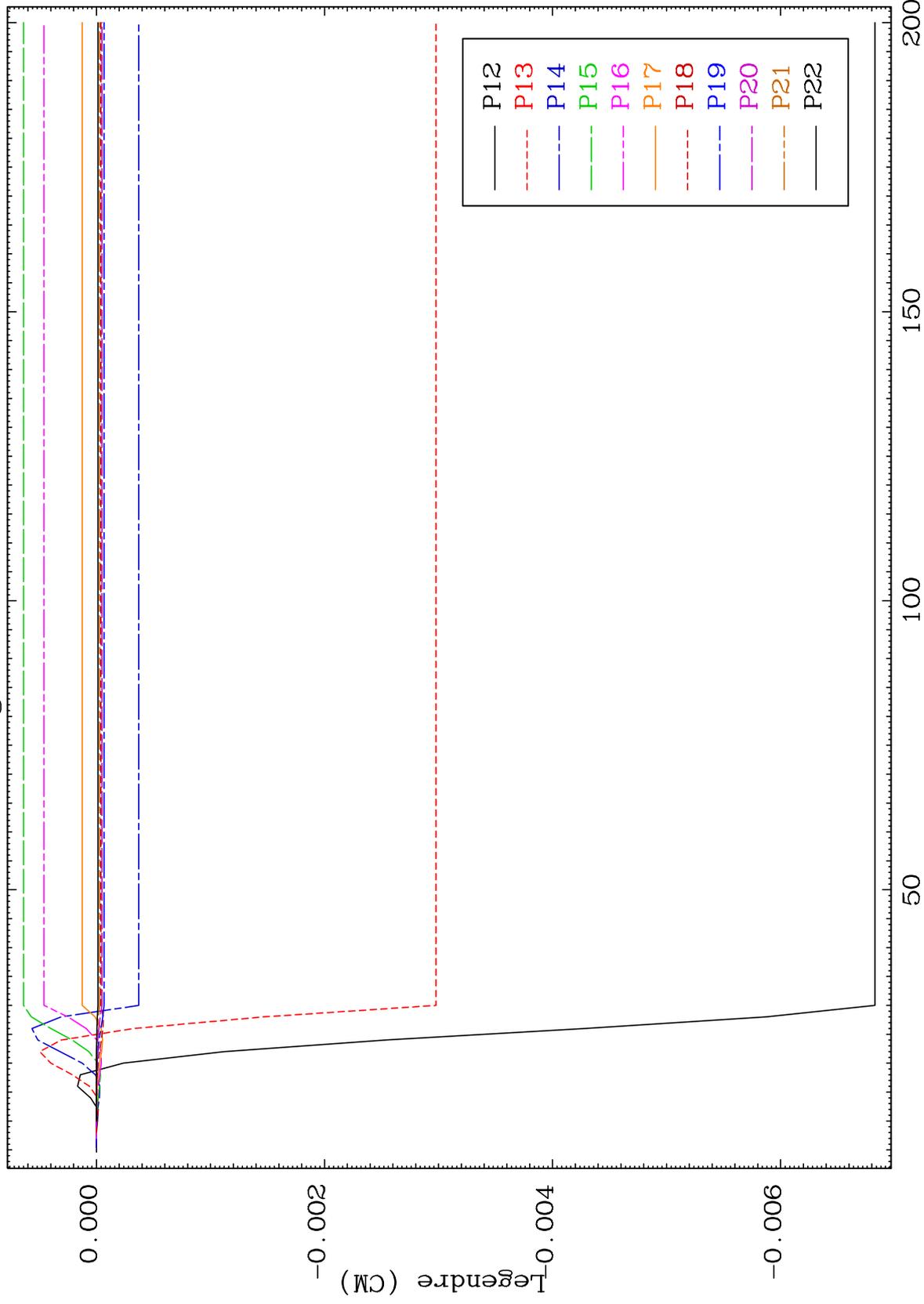
Incident Energy (MeV)

32-Ge-78

MAT 3249

32-Ge-78

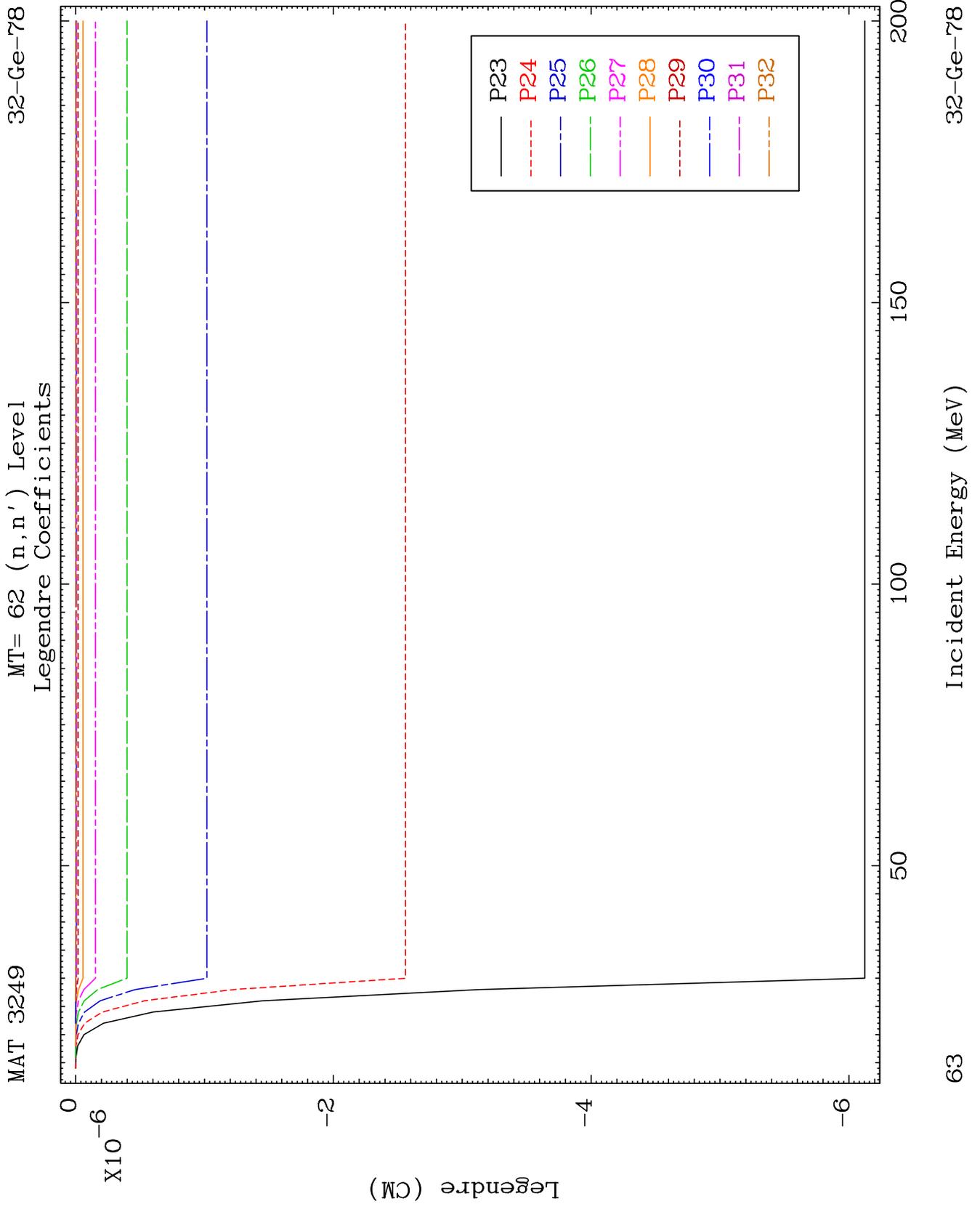
MT= 62 (n,n') Level
Legendre Coefficients



62

Incident Energy (MeV)

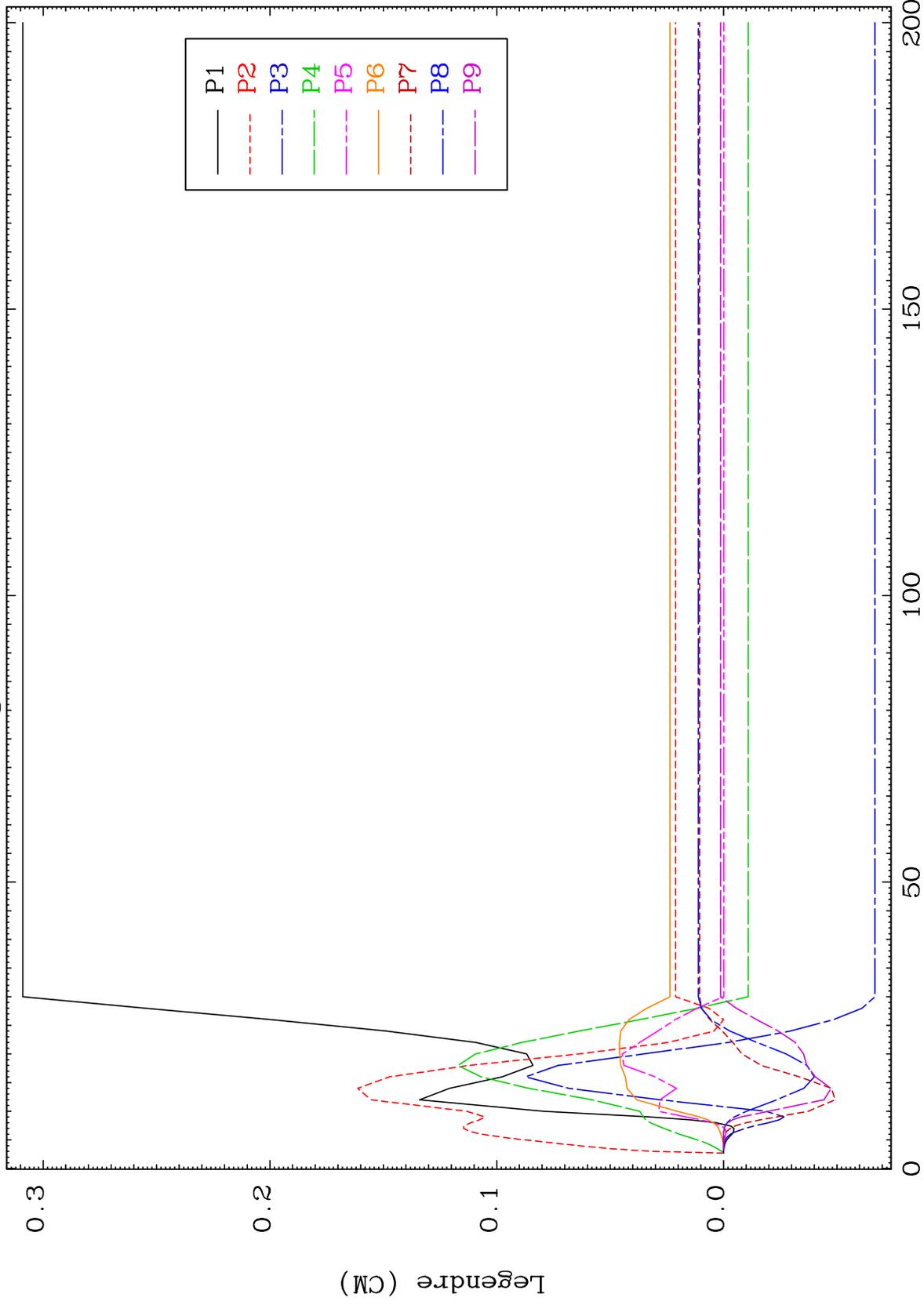
32-Ge-78



MAT 3249

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

32-Ge-78



64

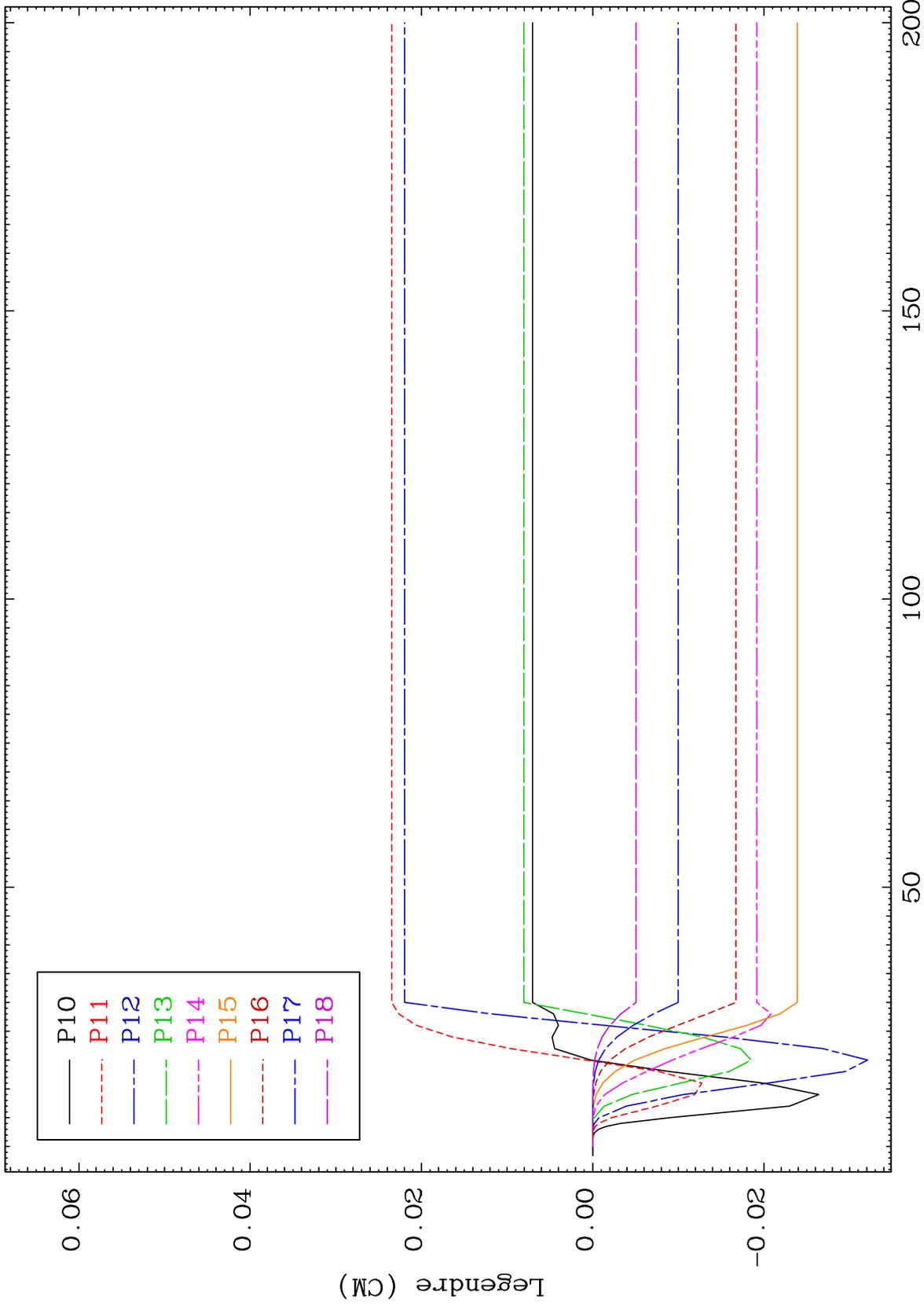
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



65

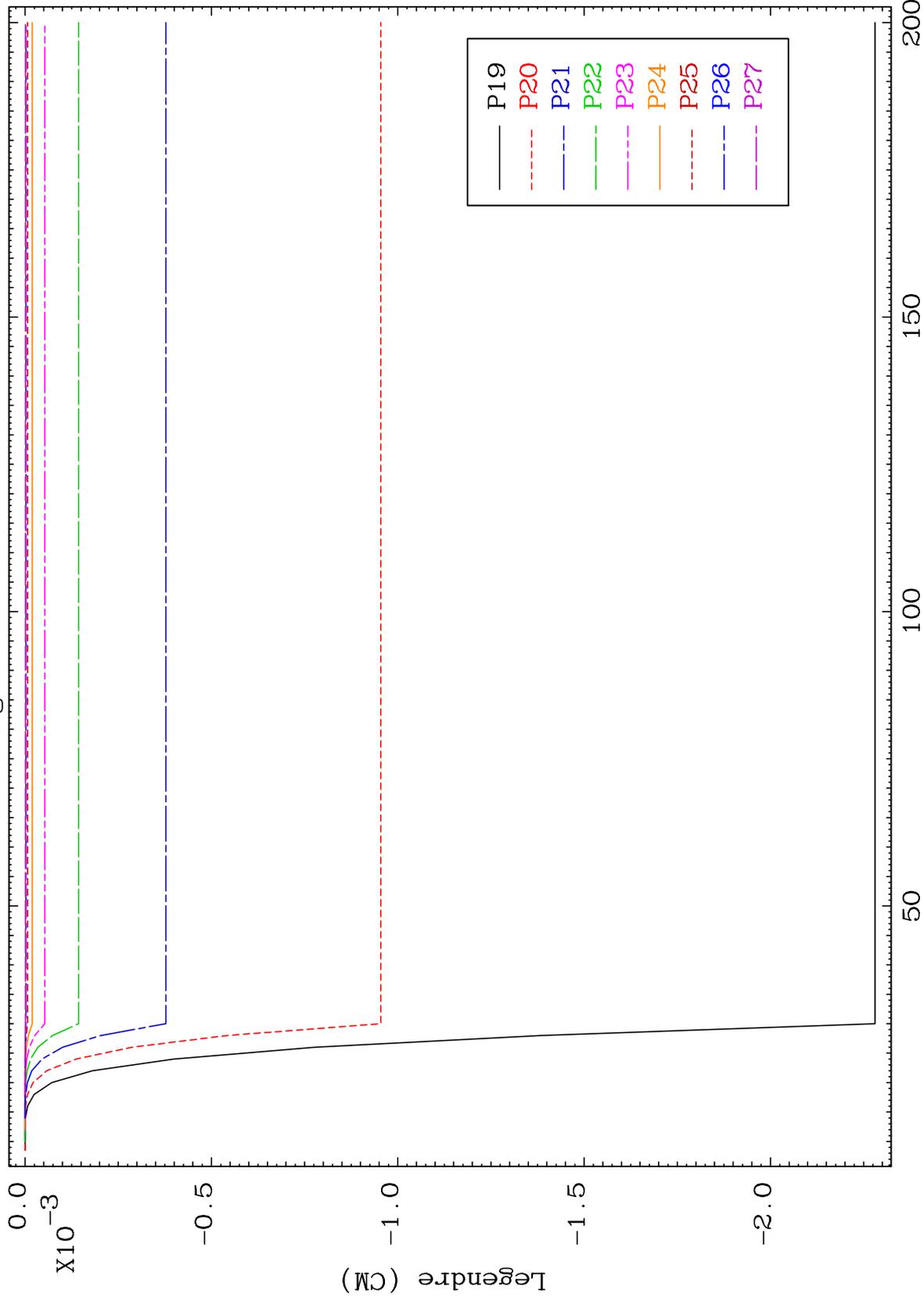
Incident Energy (MeV)

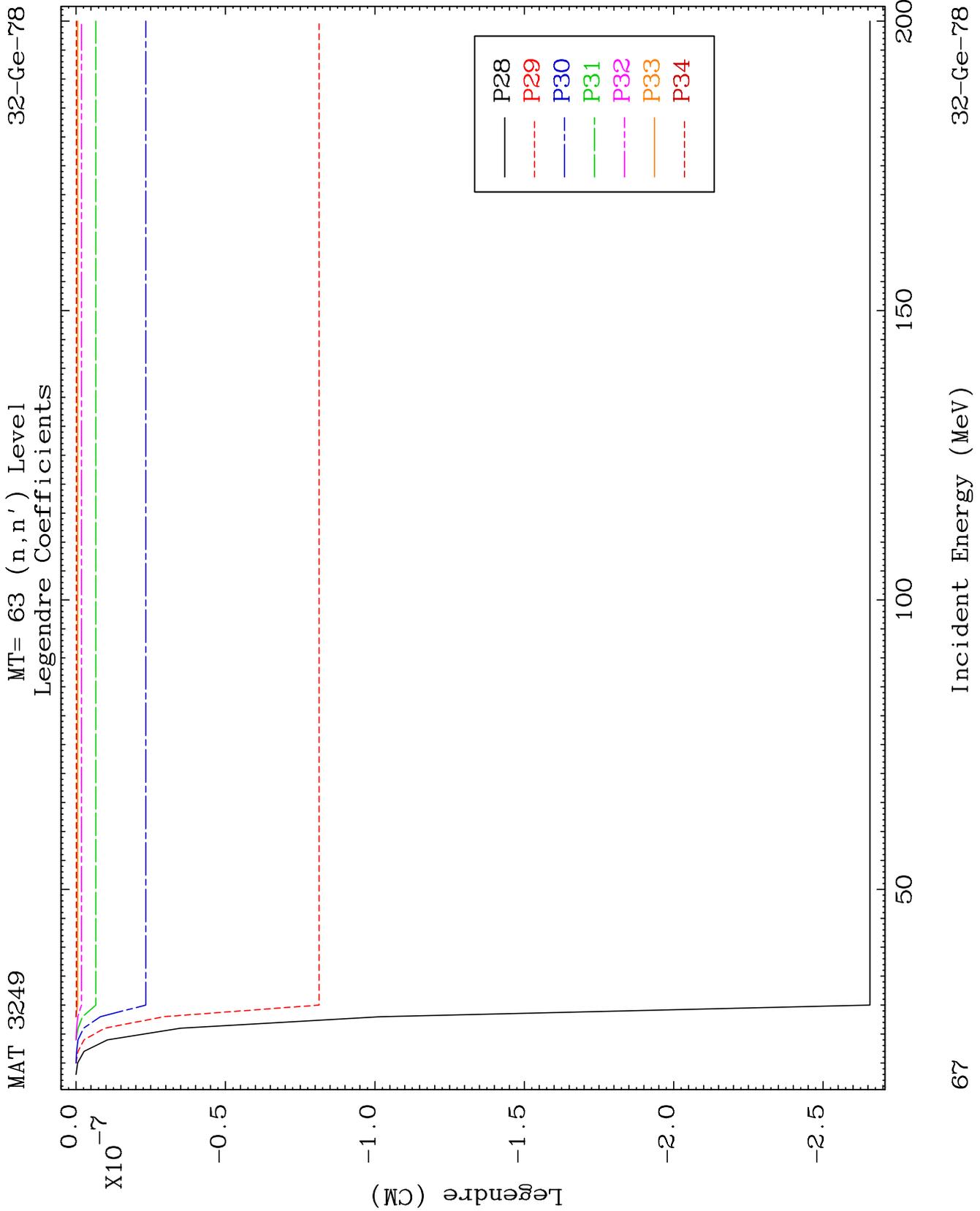
32-Ge-78

MAT 3249

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

32-Ge-78

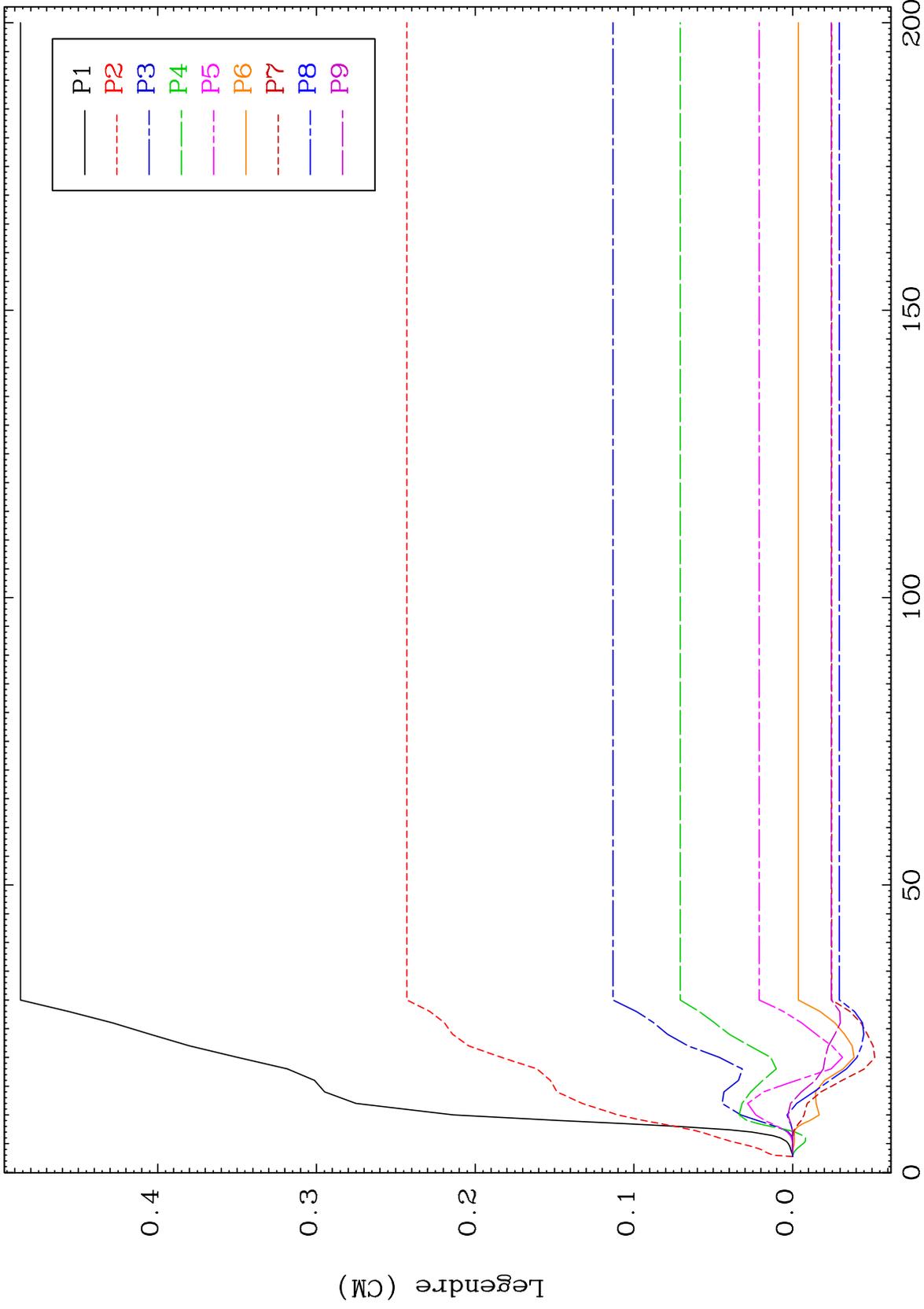




MAT 3249

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

32-Ge-78



68

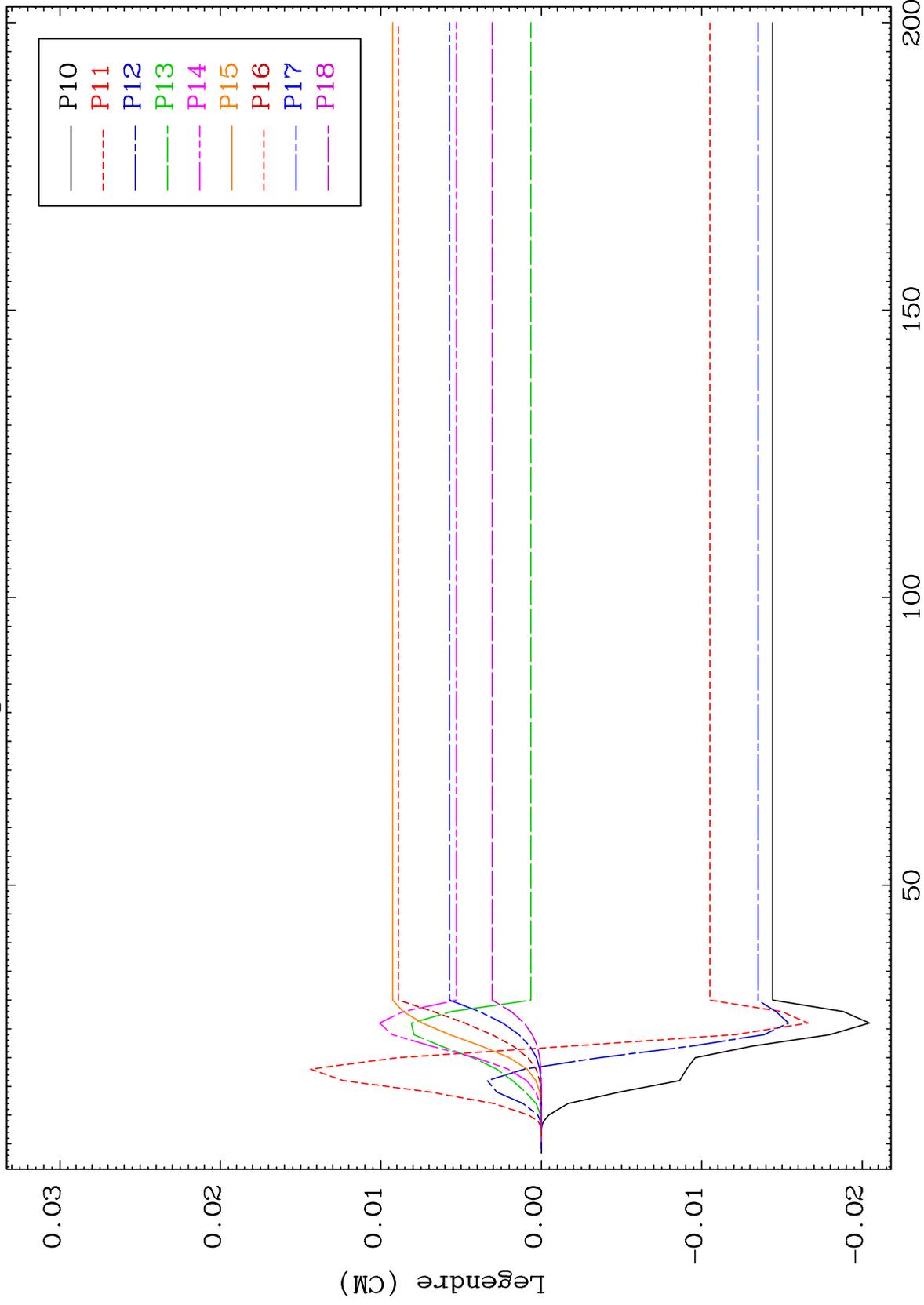
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



69

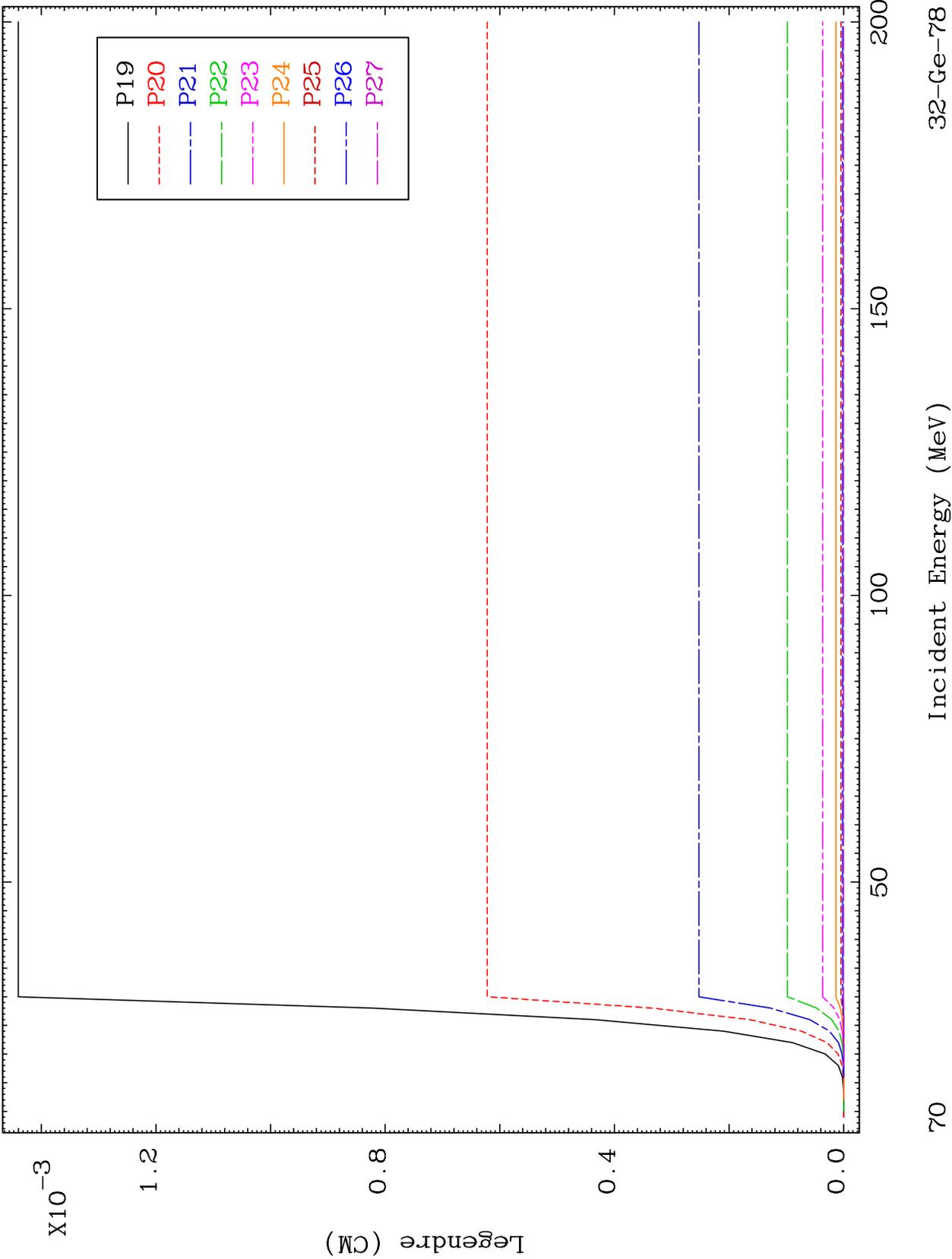
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

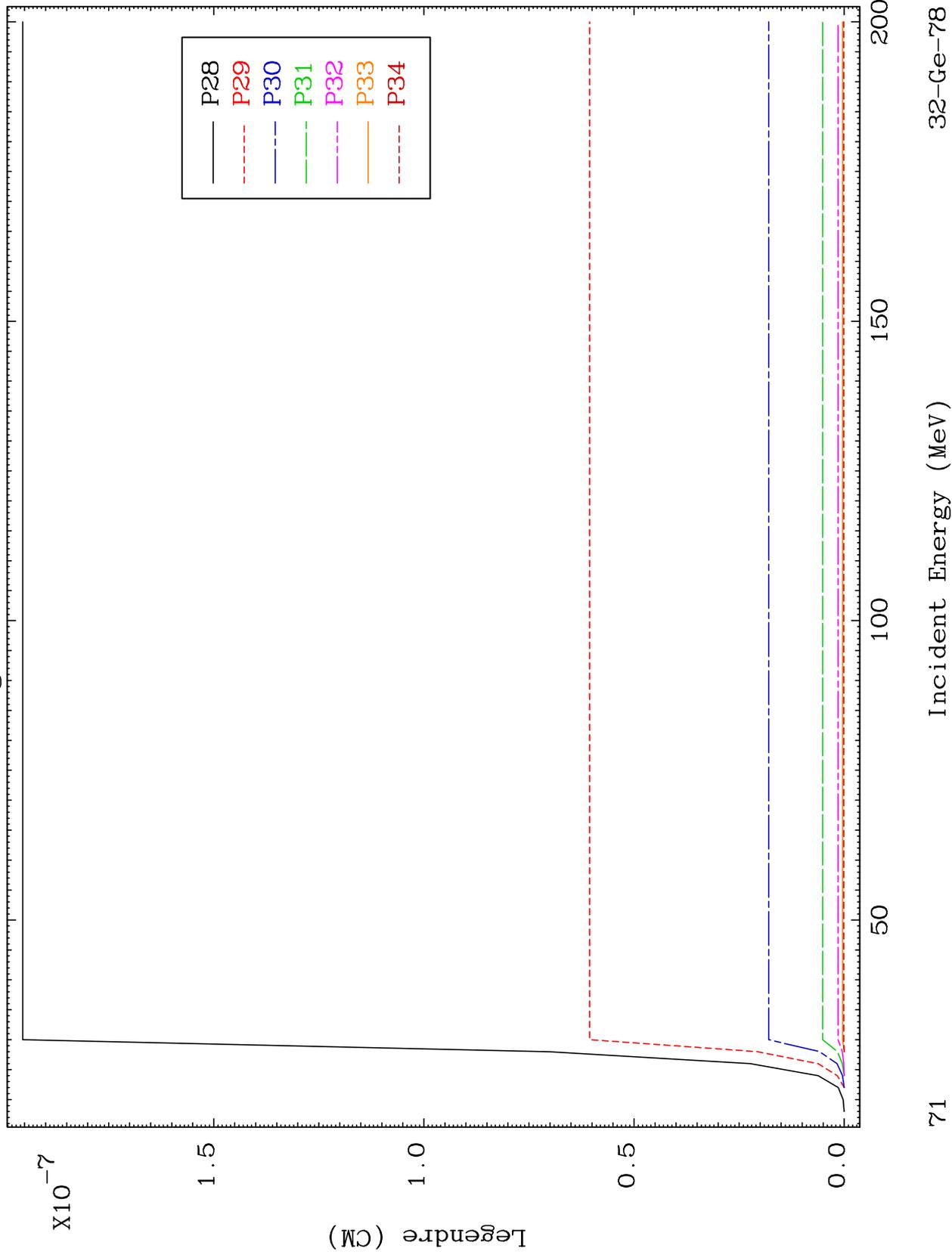
32-Ge-78



MAT 3249

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

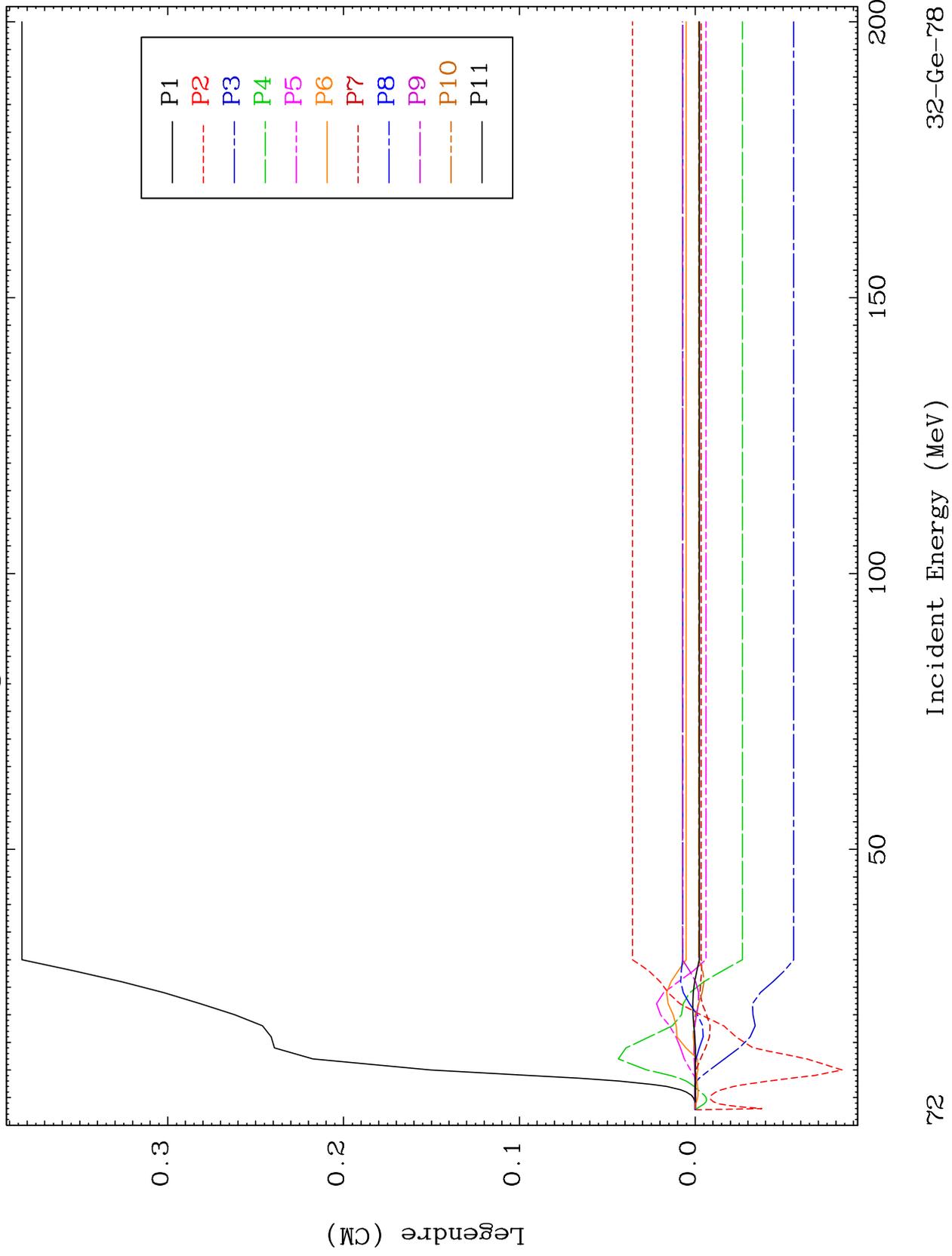
32-Ge-78



MAT 3249

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

32-Ge-78



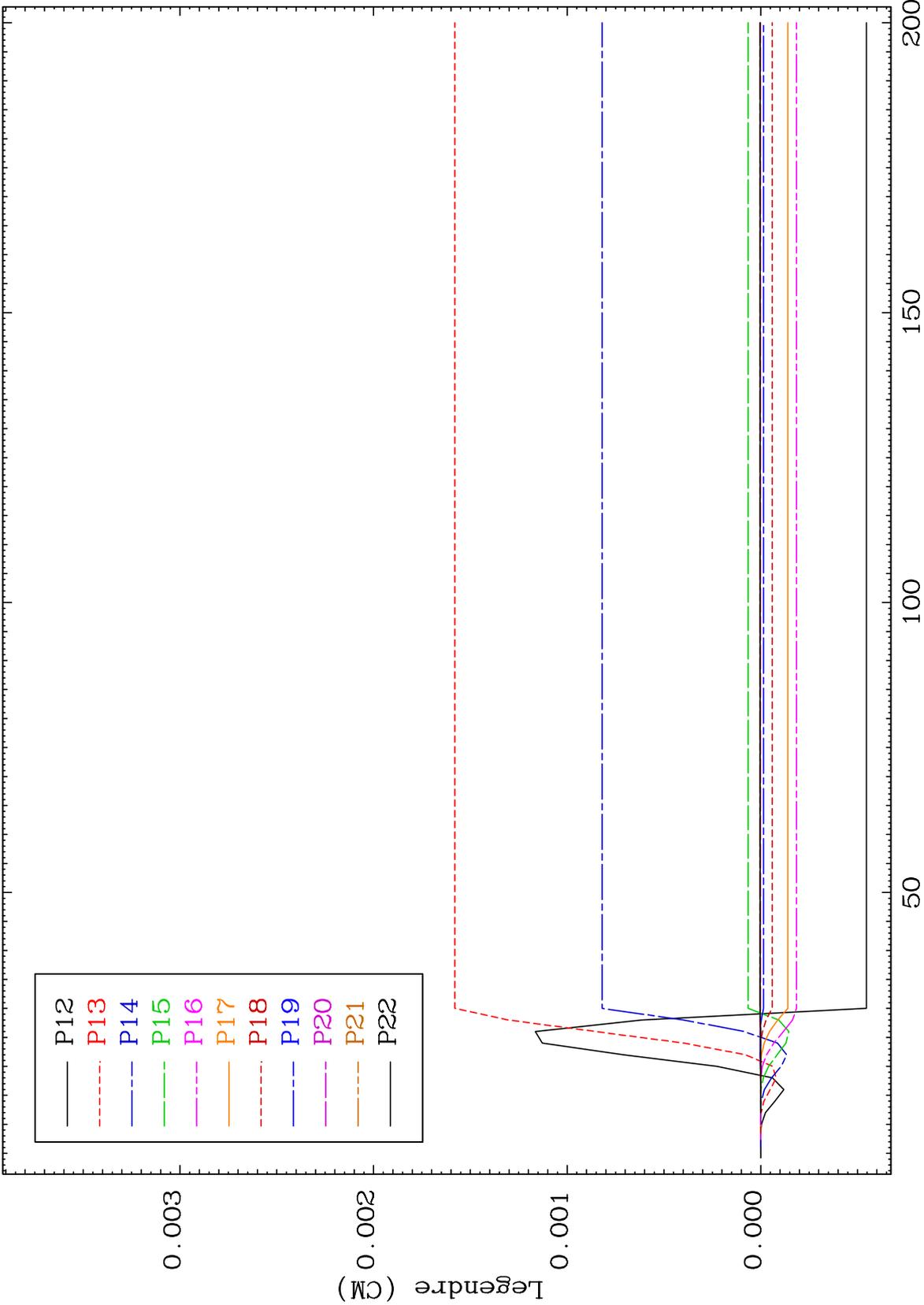
72

32-Ge-78

MAT 3249

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

32-Ge-78



73

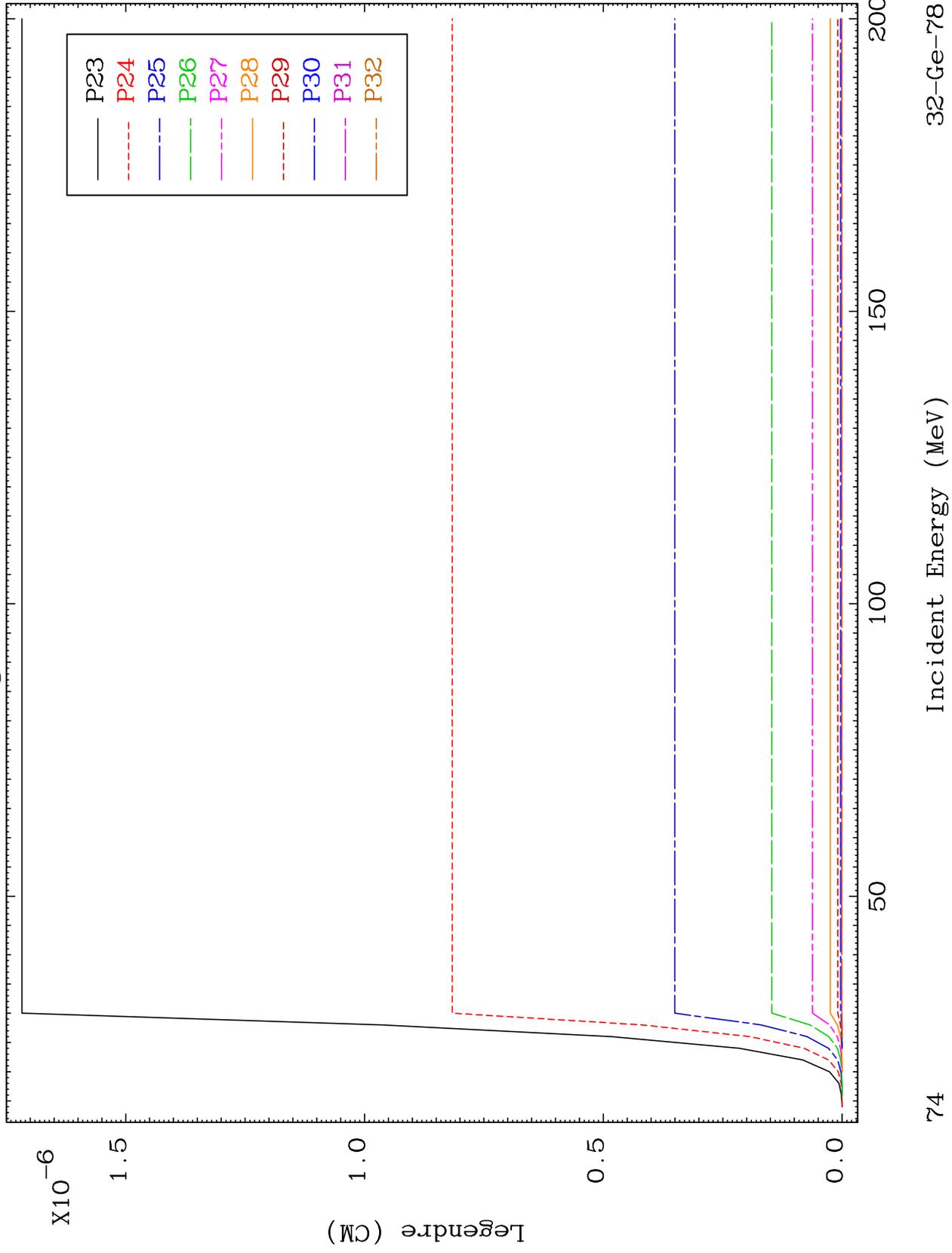
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



74

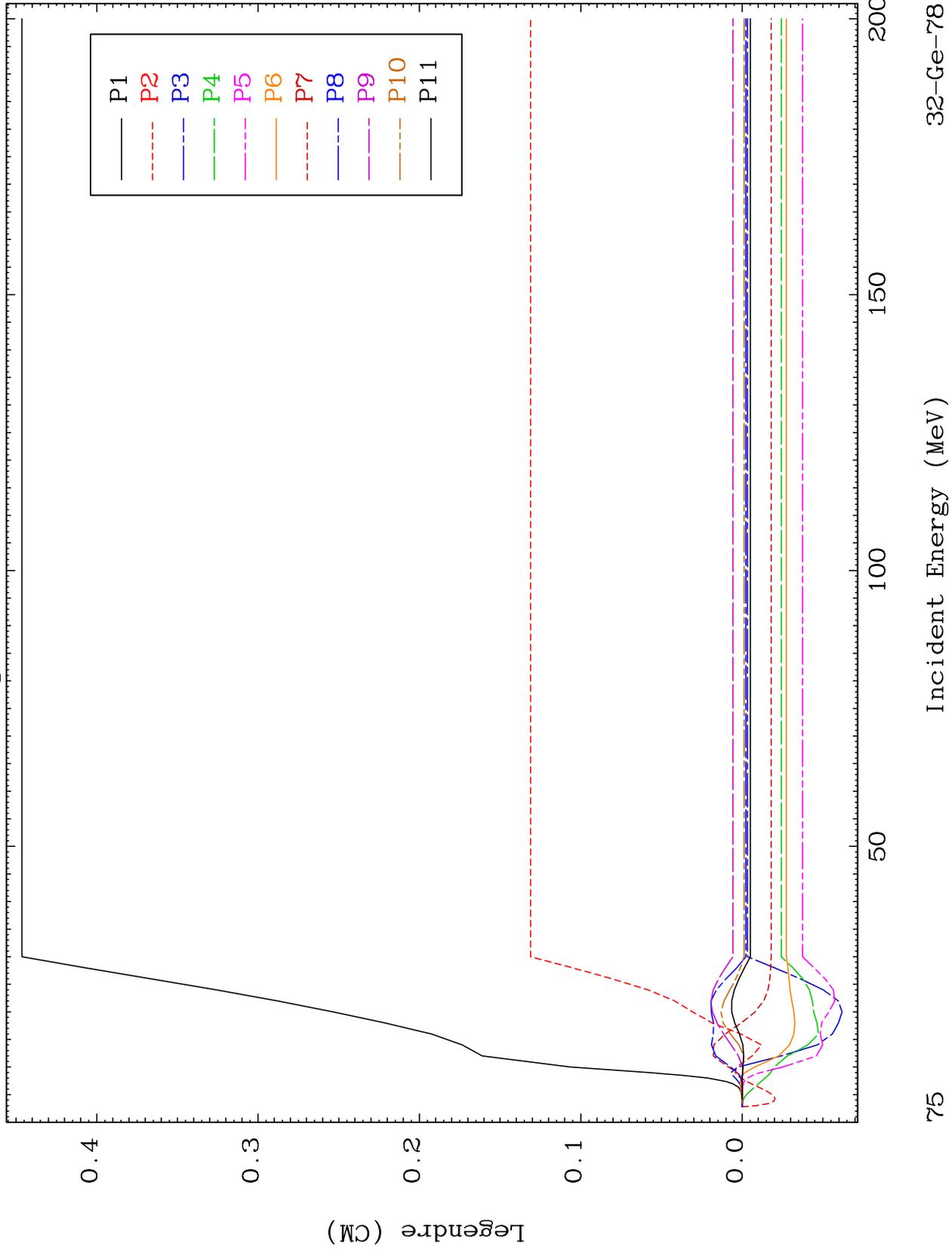
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



75

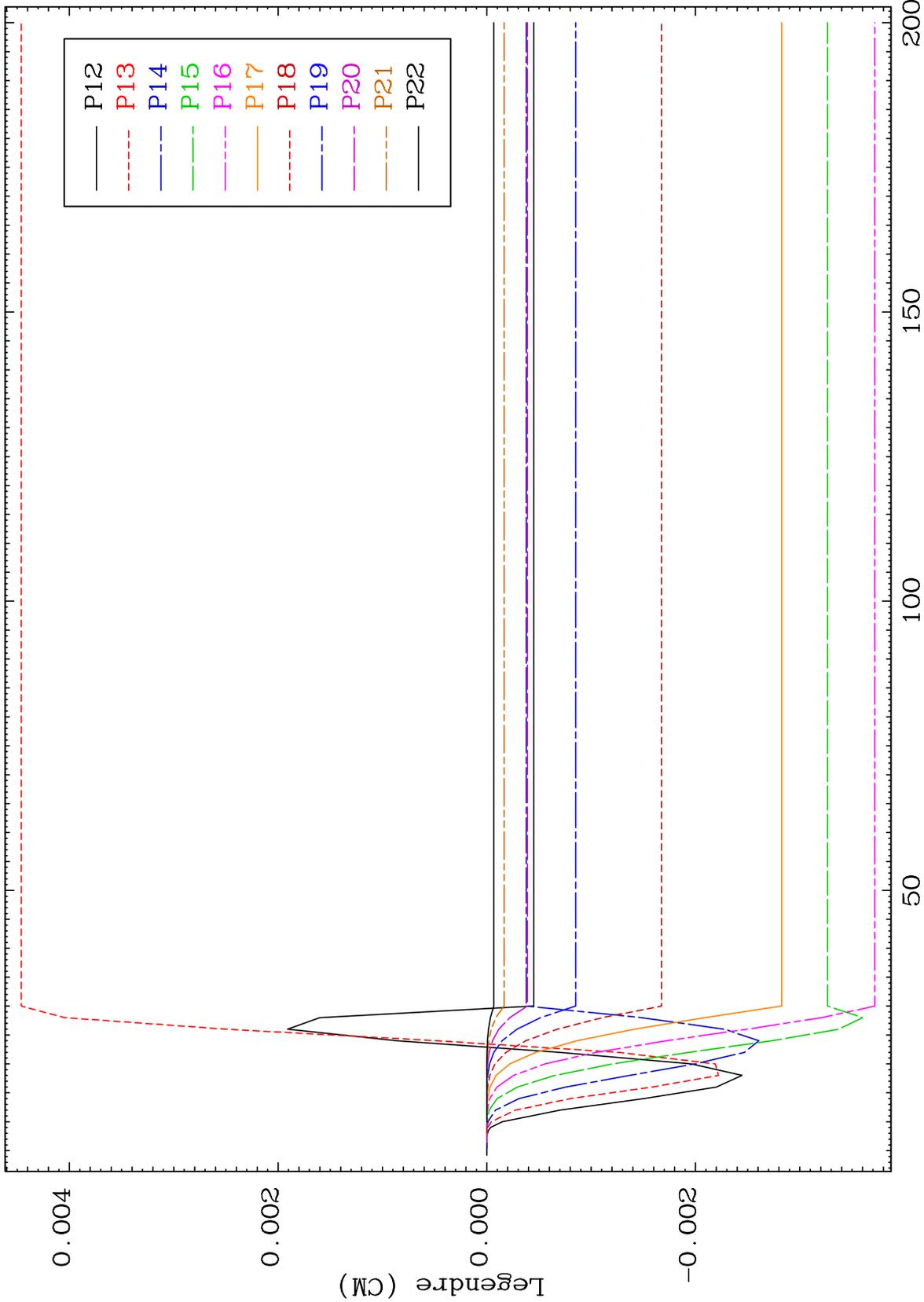
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

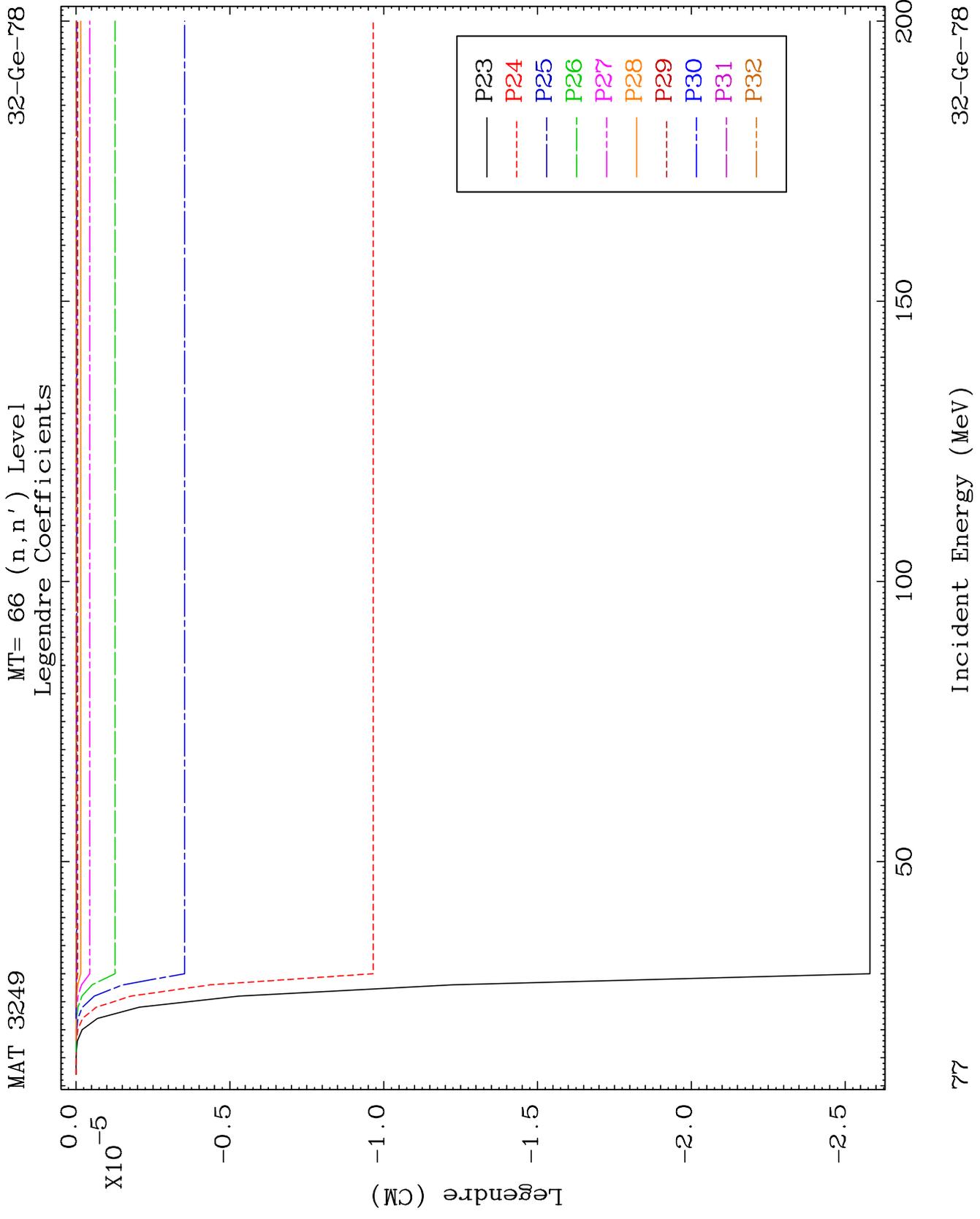
32-Ge-78



76

Incident Energy (MeV)

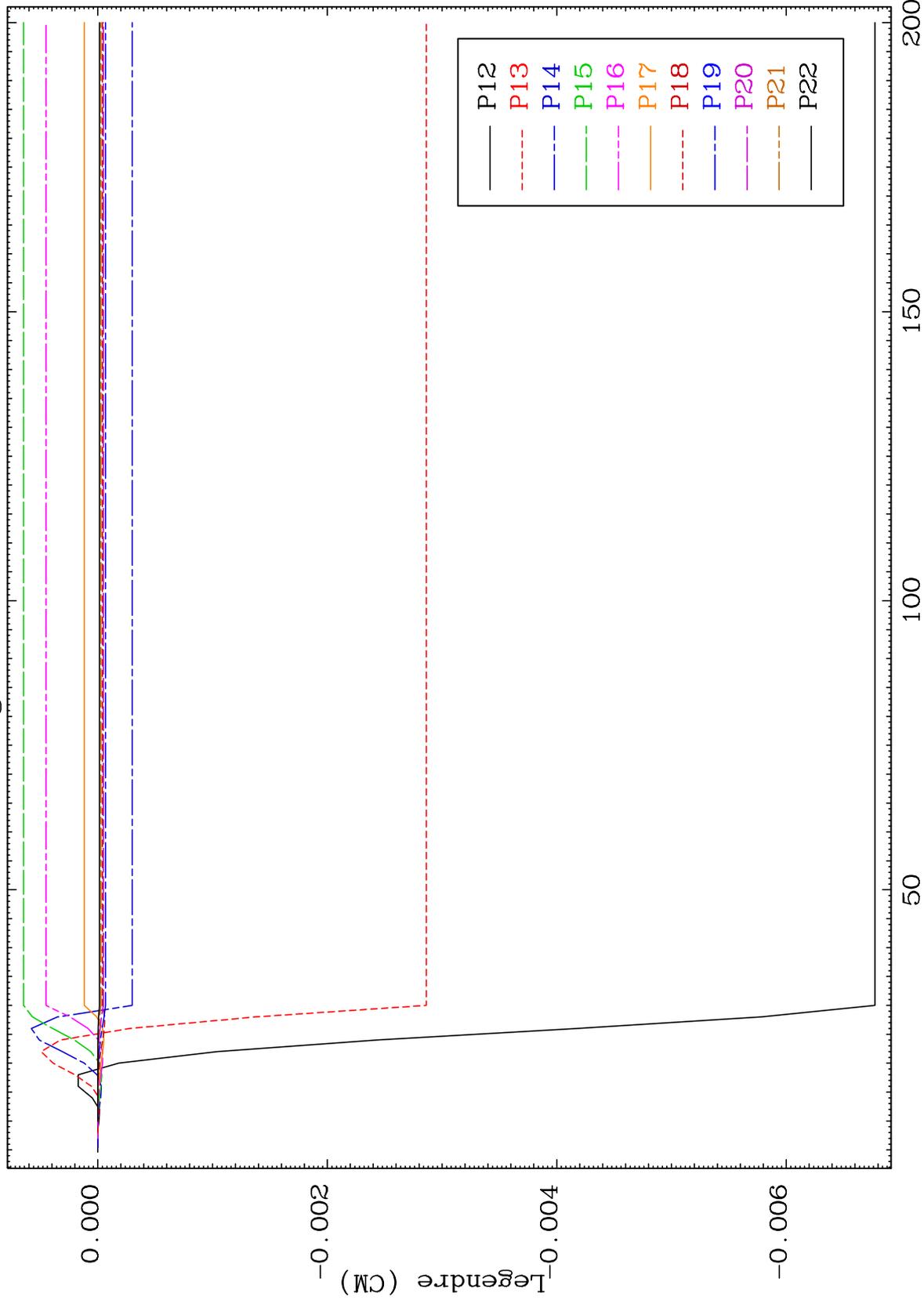
32-Ge-78



MAT 3249

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

32-Ge-78



79

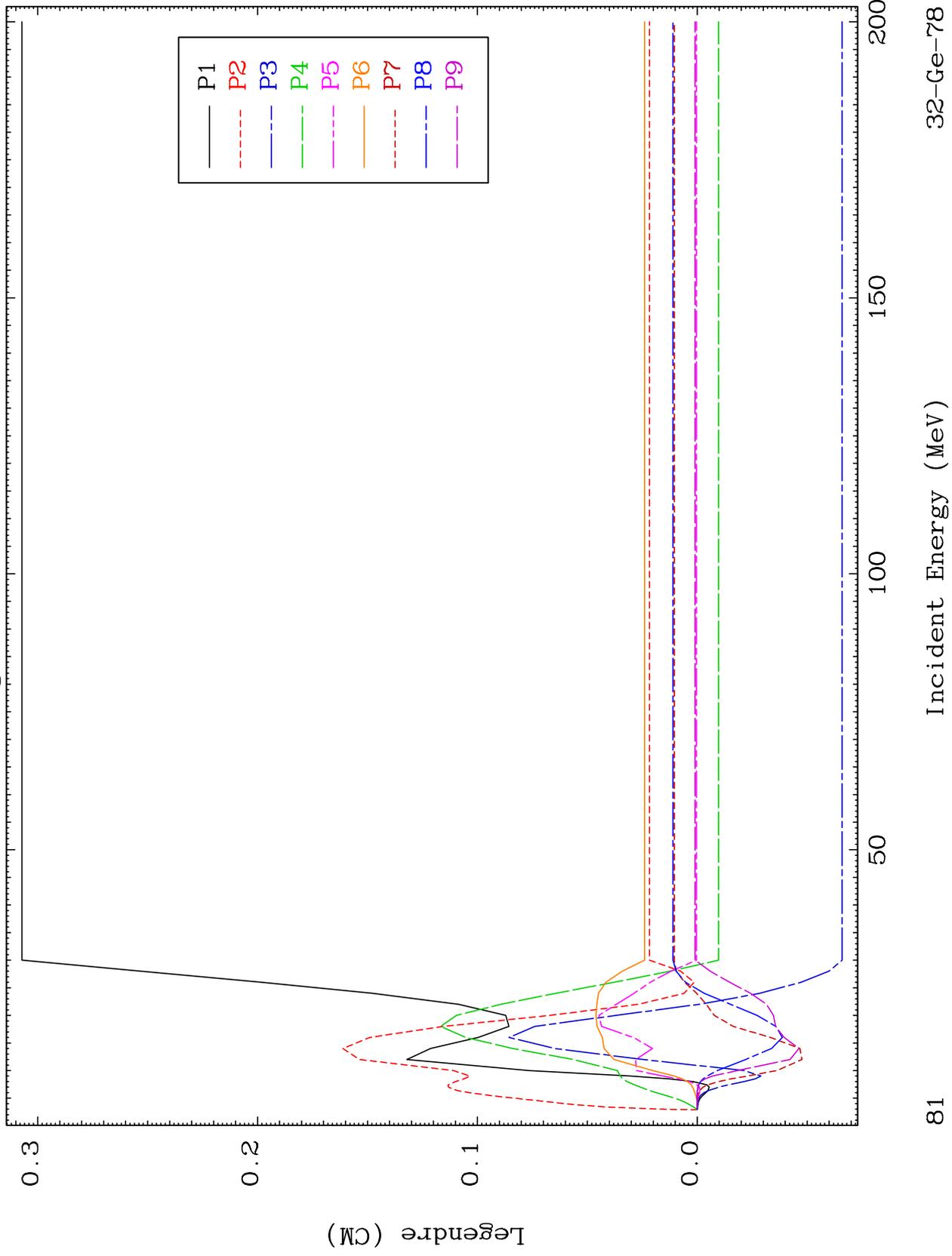
Incident Energy (MeV)

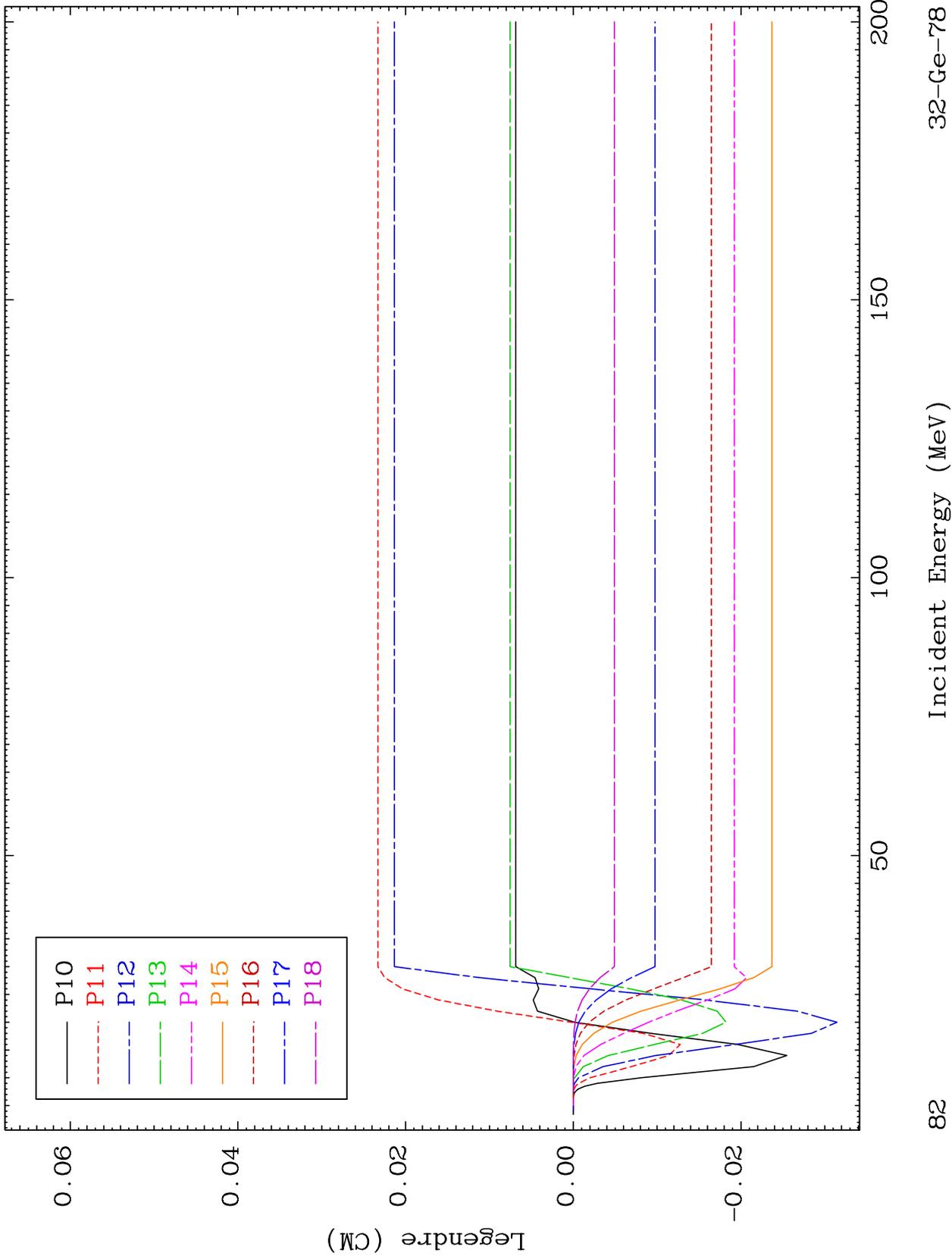
32-Ge-78

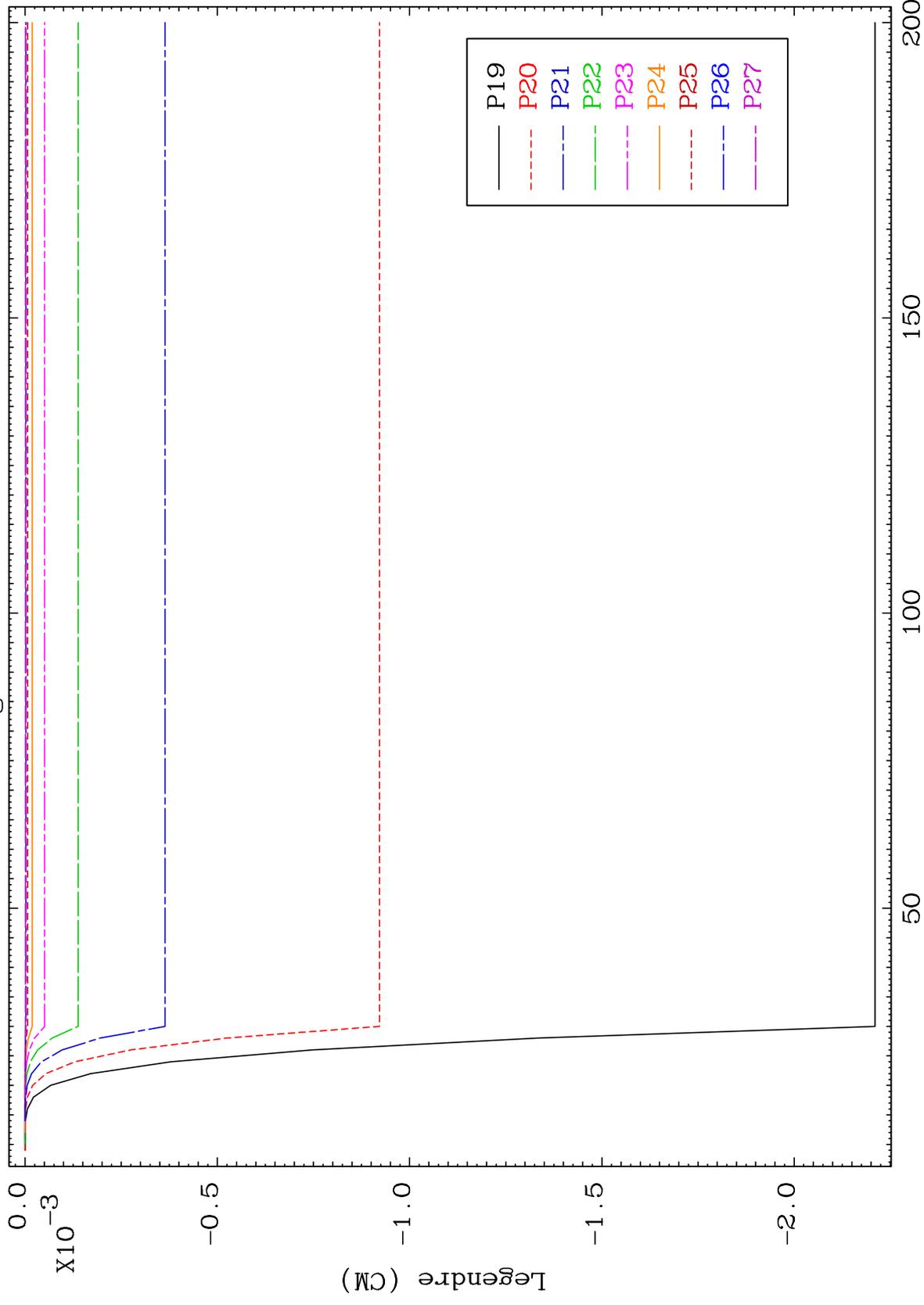
MAT 3249

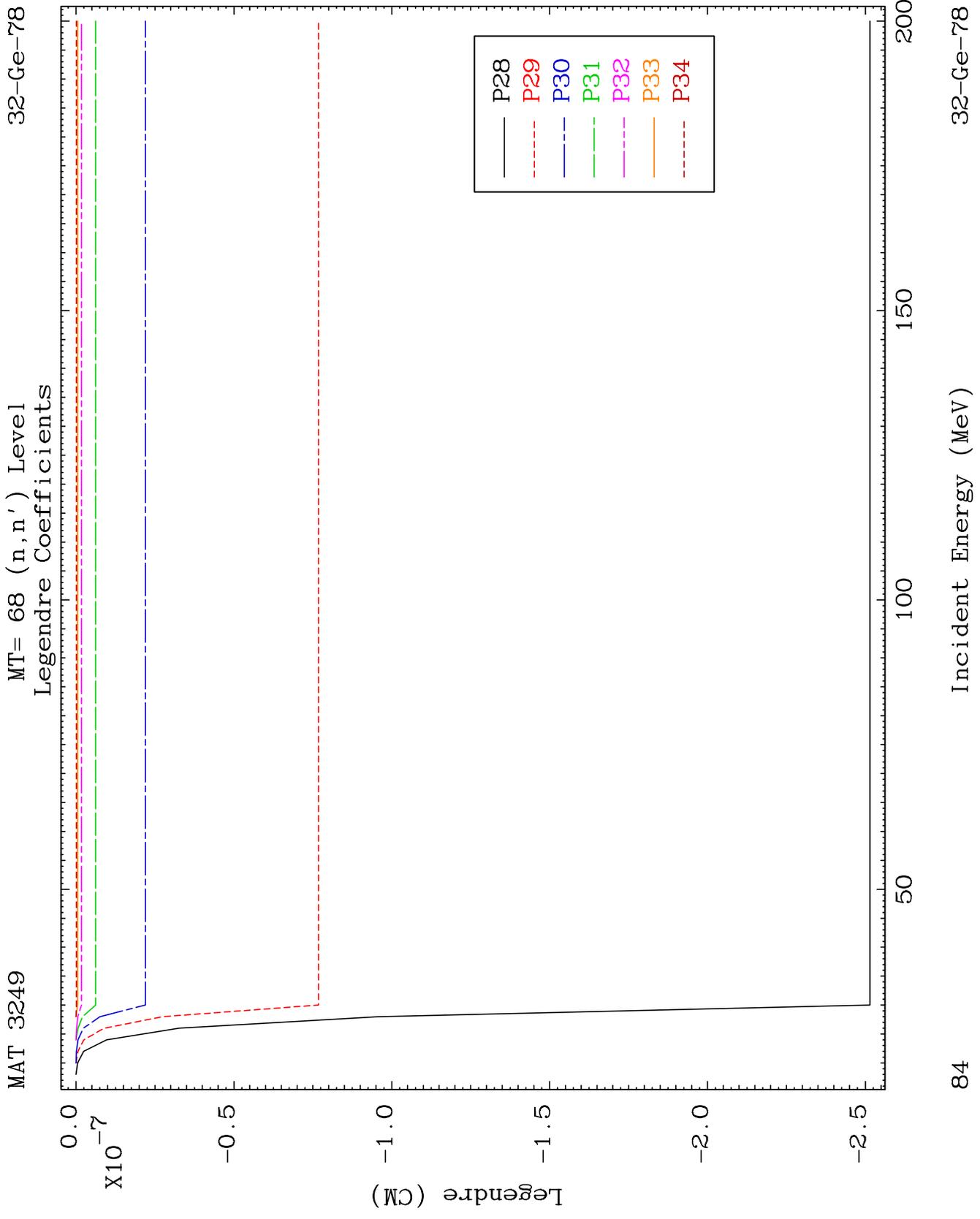
MT= 68 (n,n') Level
Legendre Coefficients

32-Ge-78





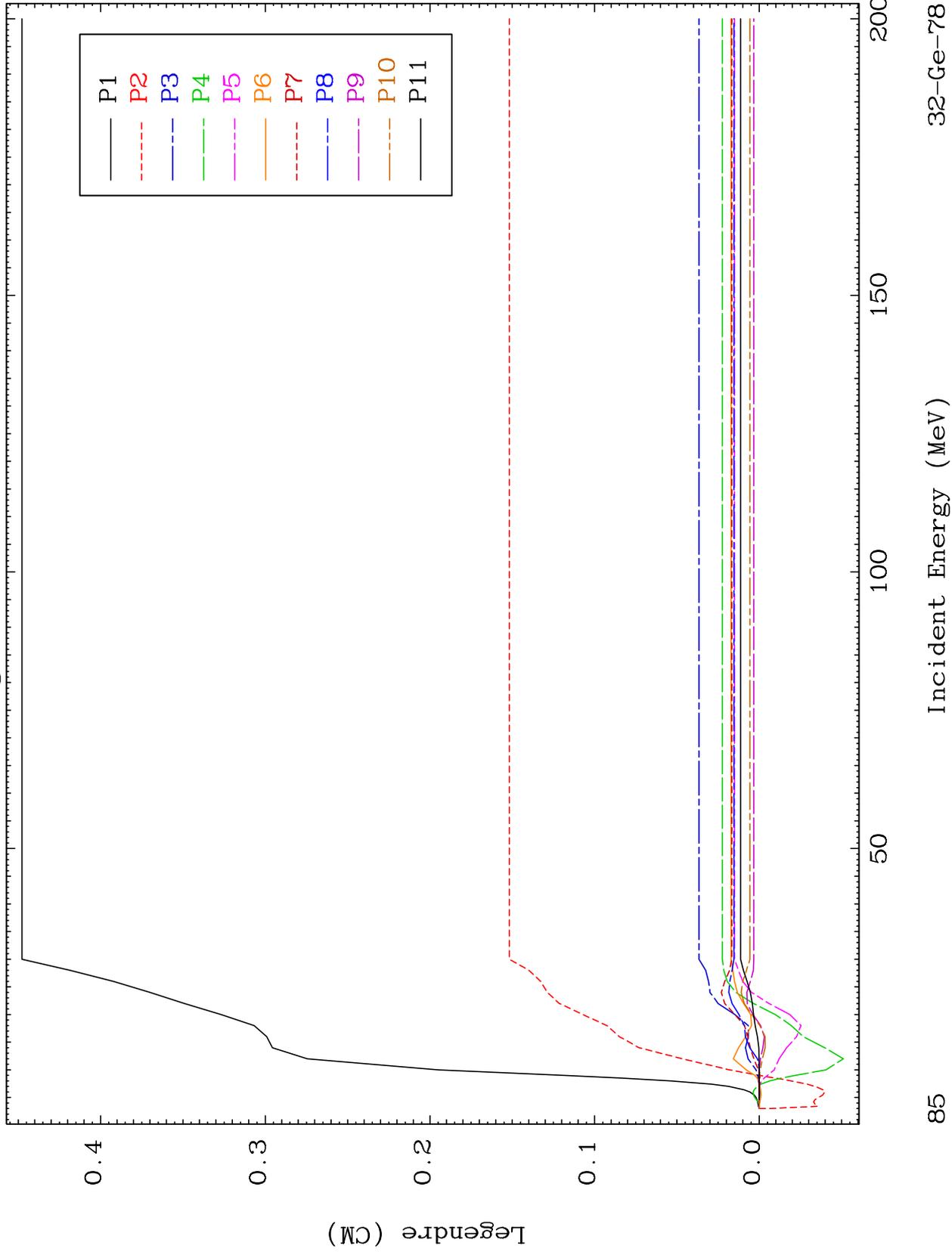




MAT 3249

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

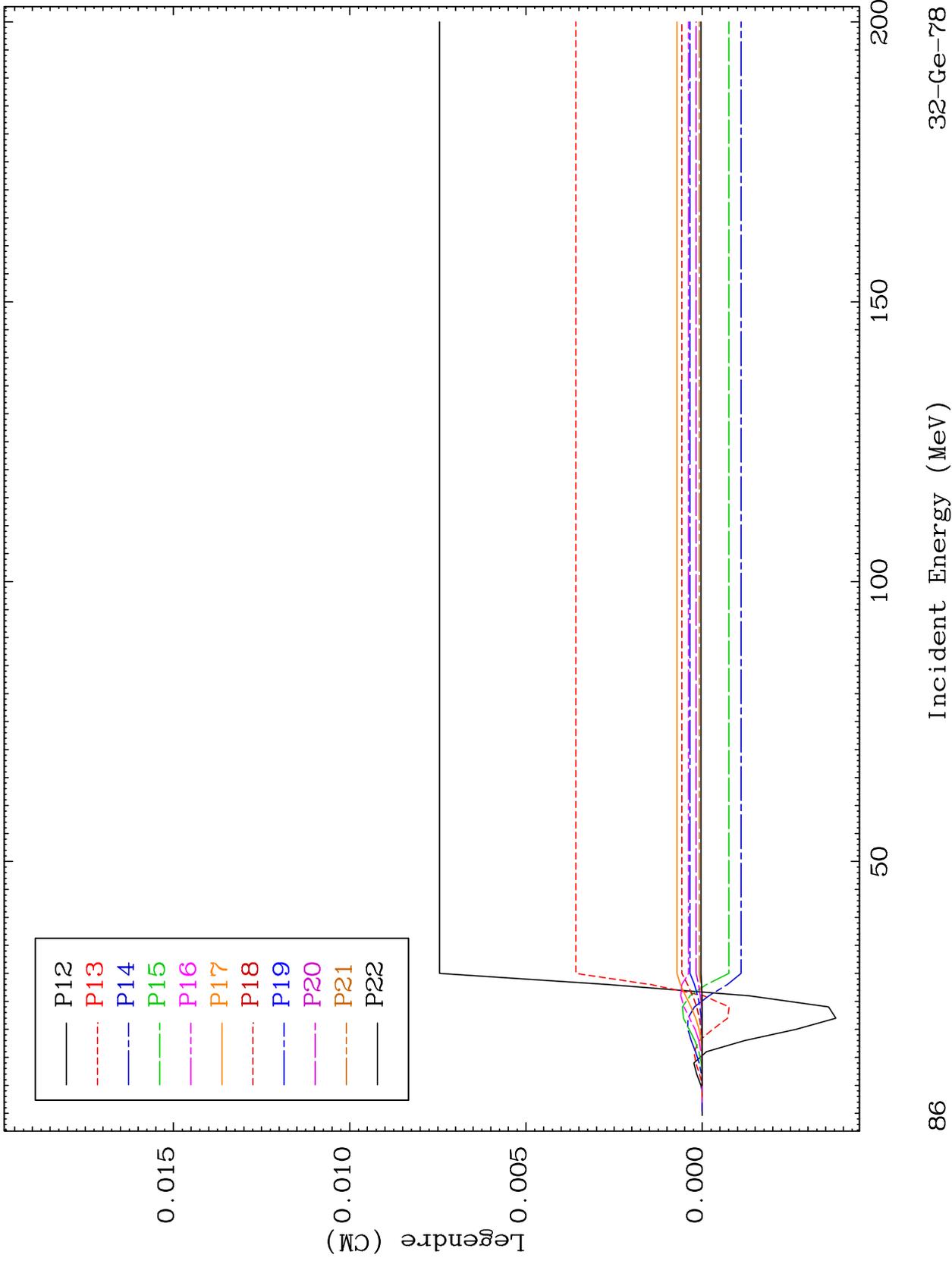
32-Ge-78



85

Incident Energy (MeV)

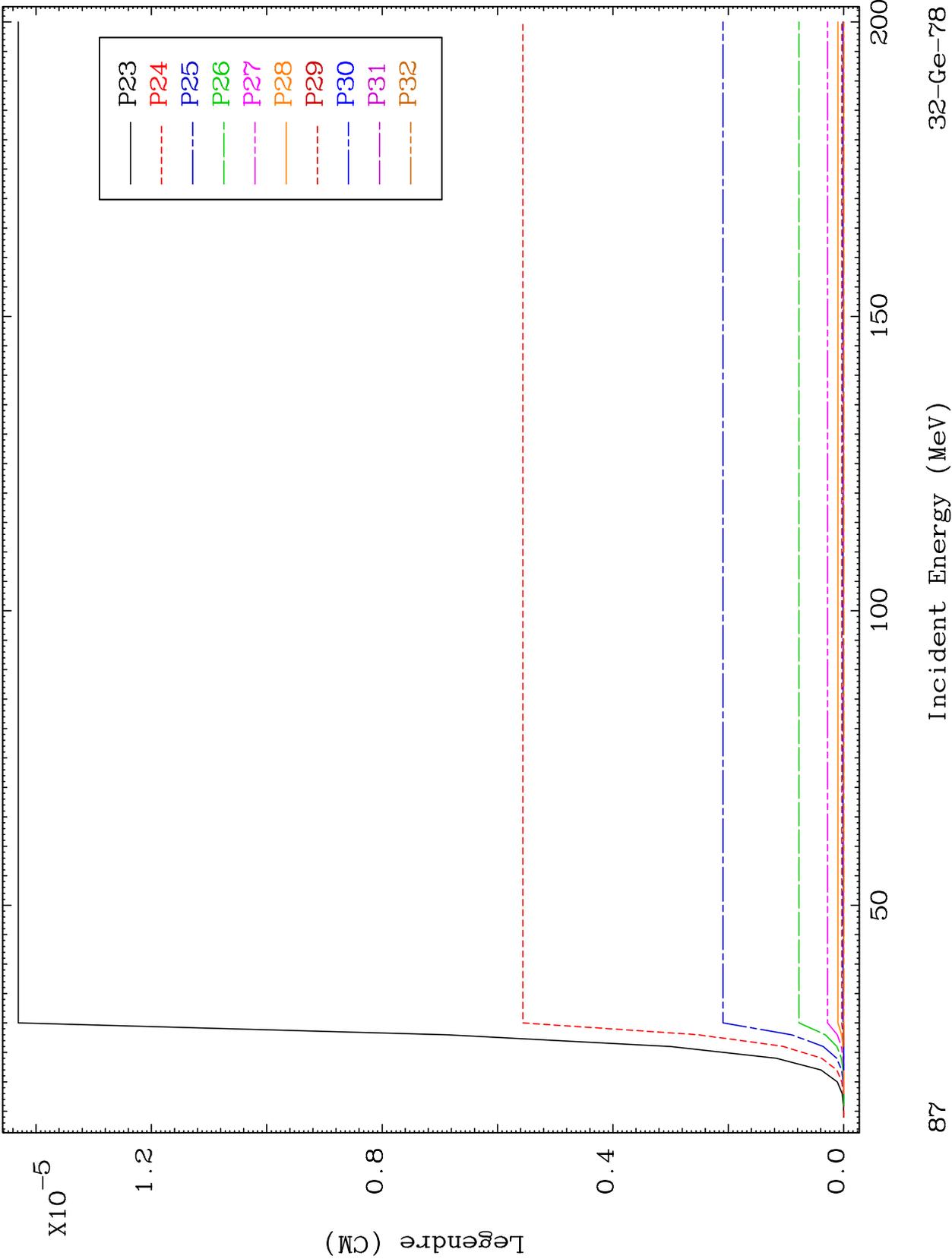
32-Ge-78



MAT 3249

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

32-Ge-78



87

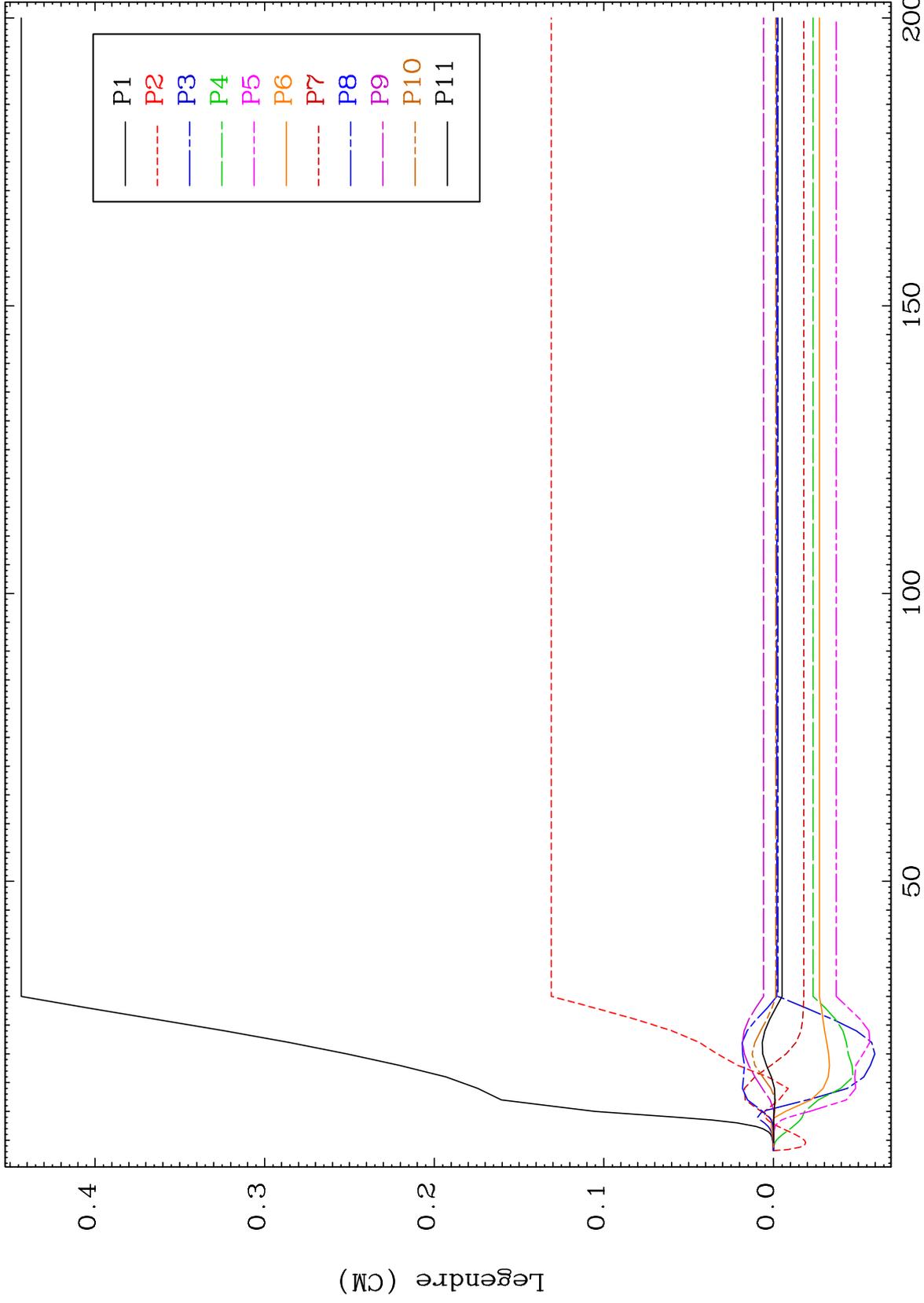
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



88

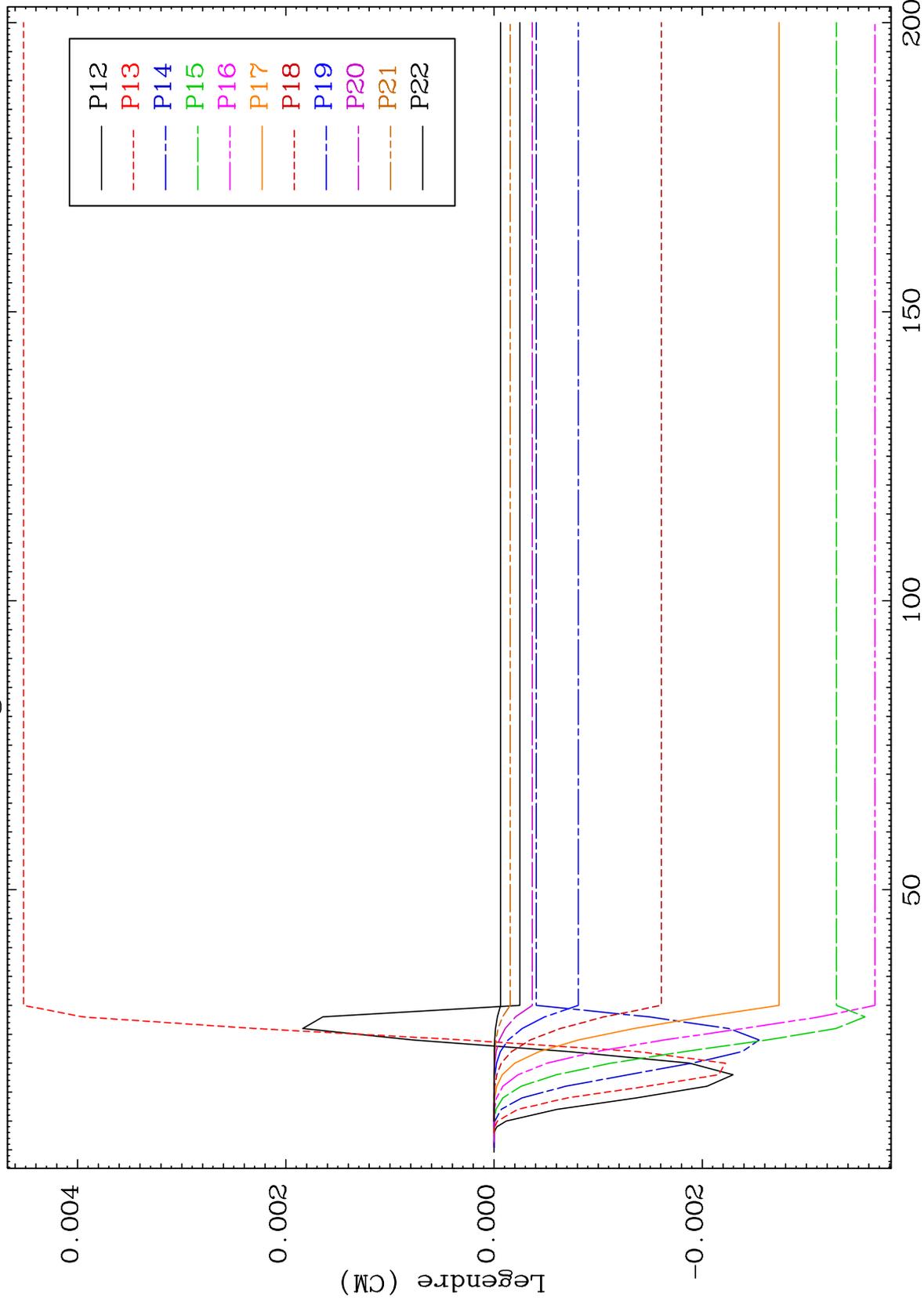
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

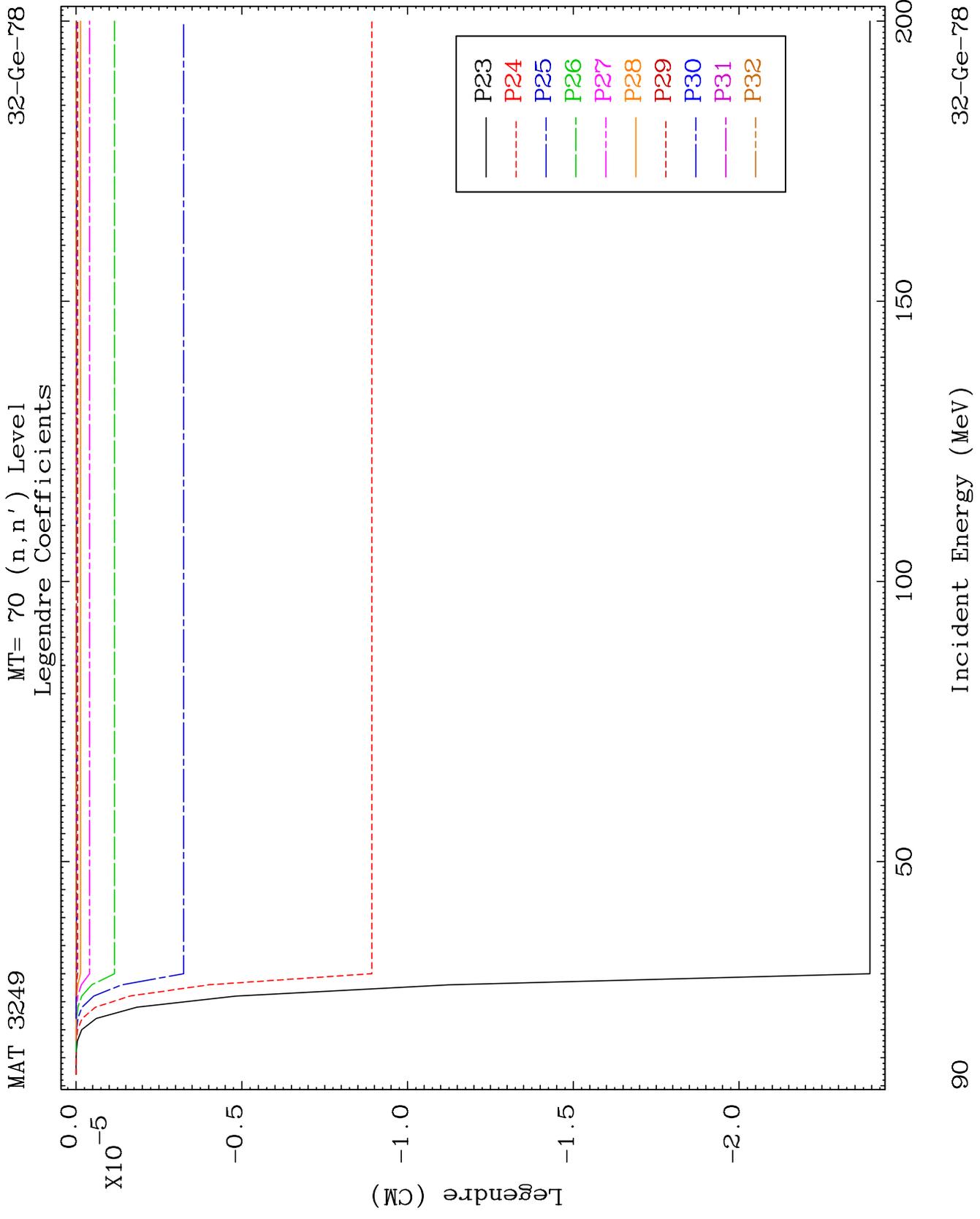
32-Ge-78



89

Incident Energy (MeV)

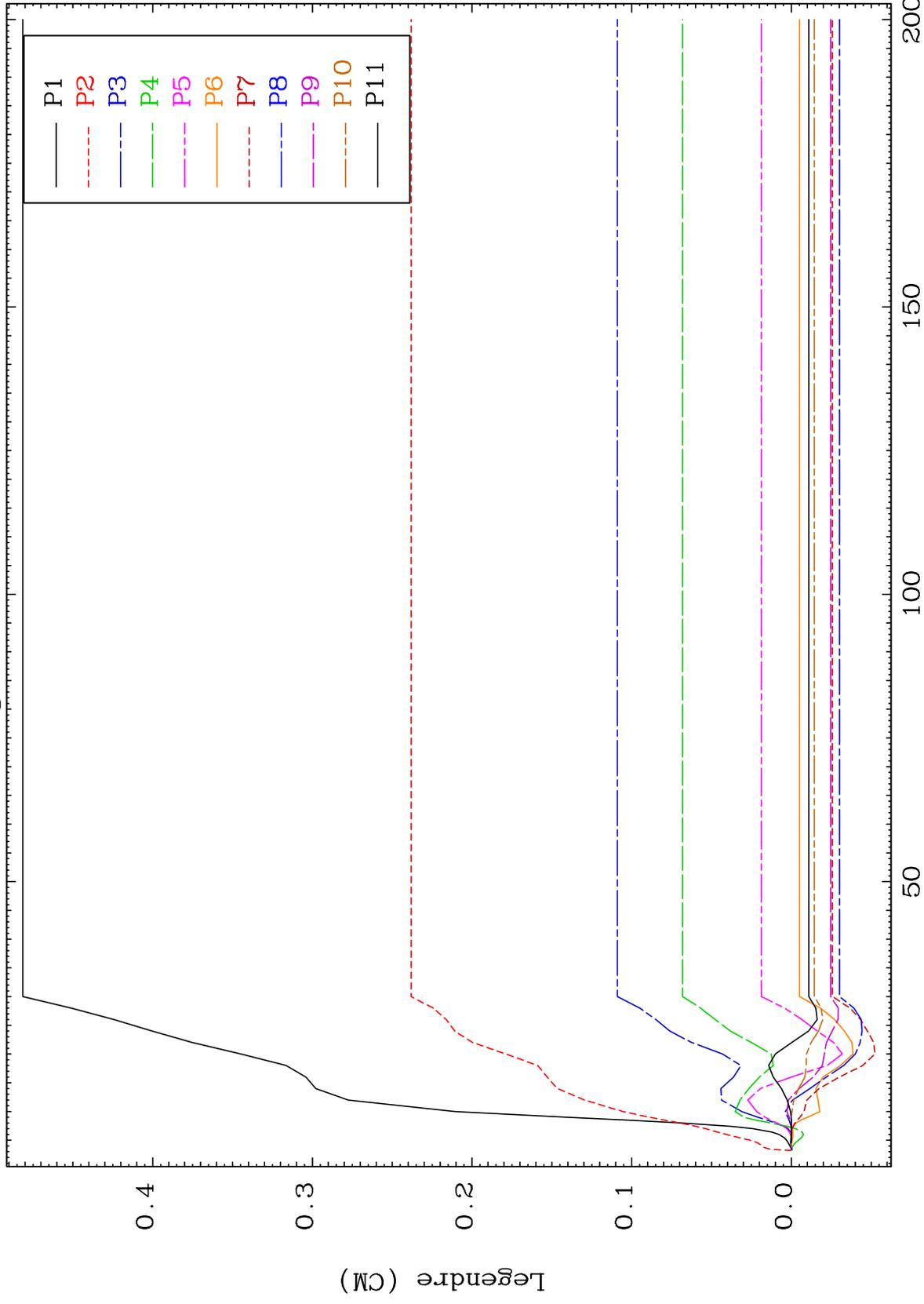
32-Ge-78



MAT 3249

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

32-Ge-78



91

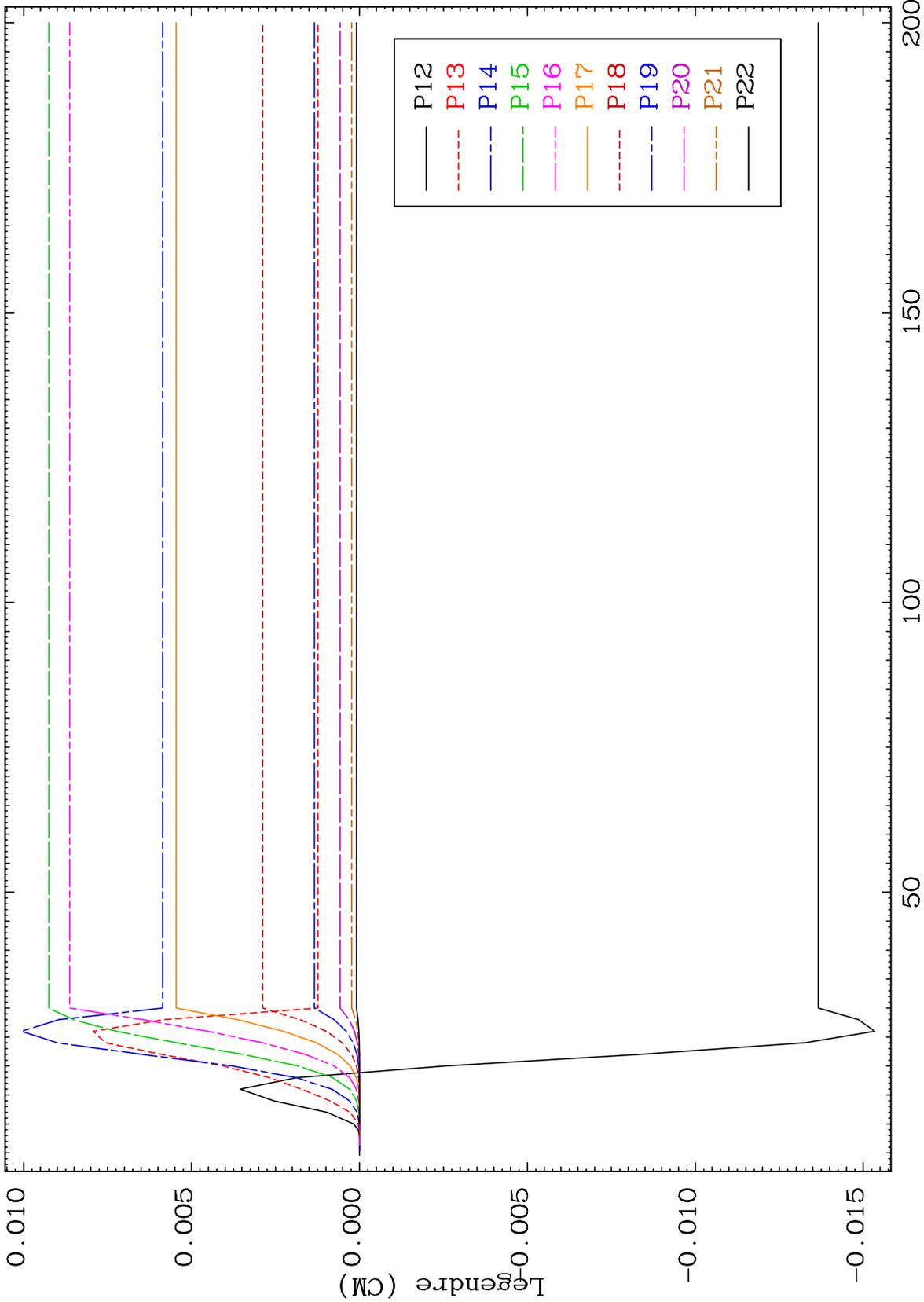
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

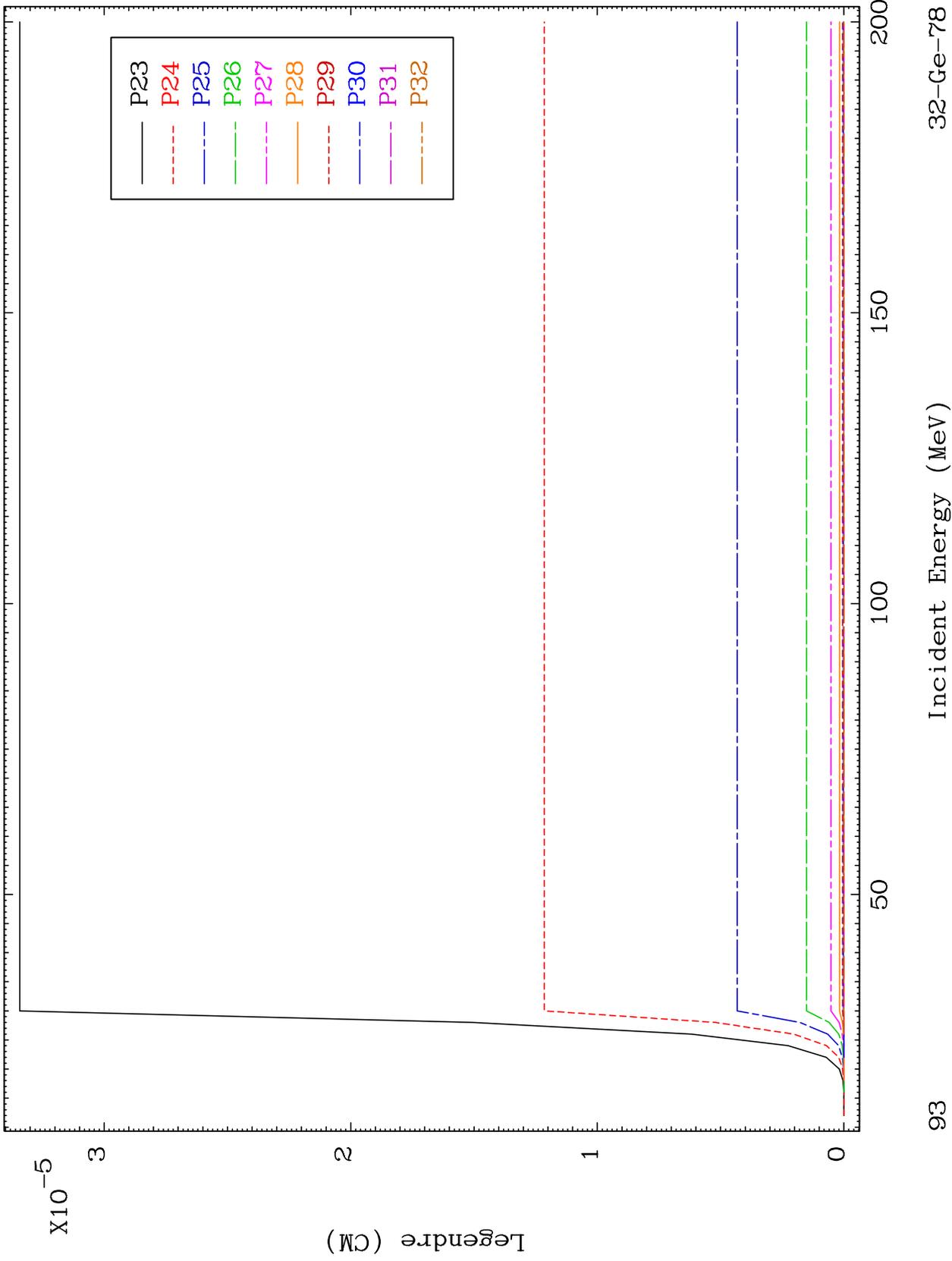
32-Ge-78



MAT 3249

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

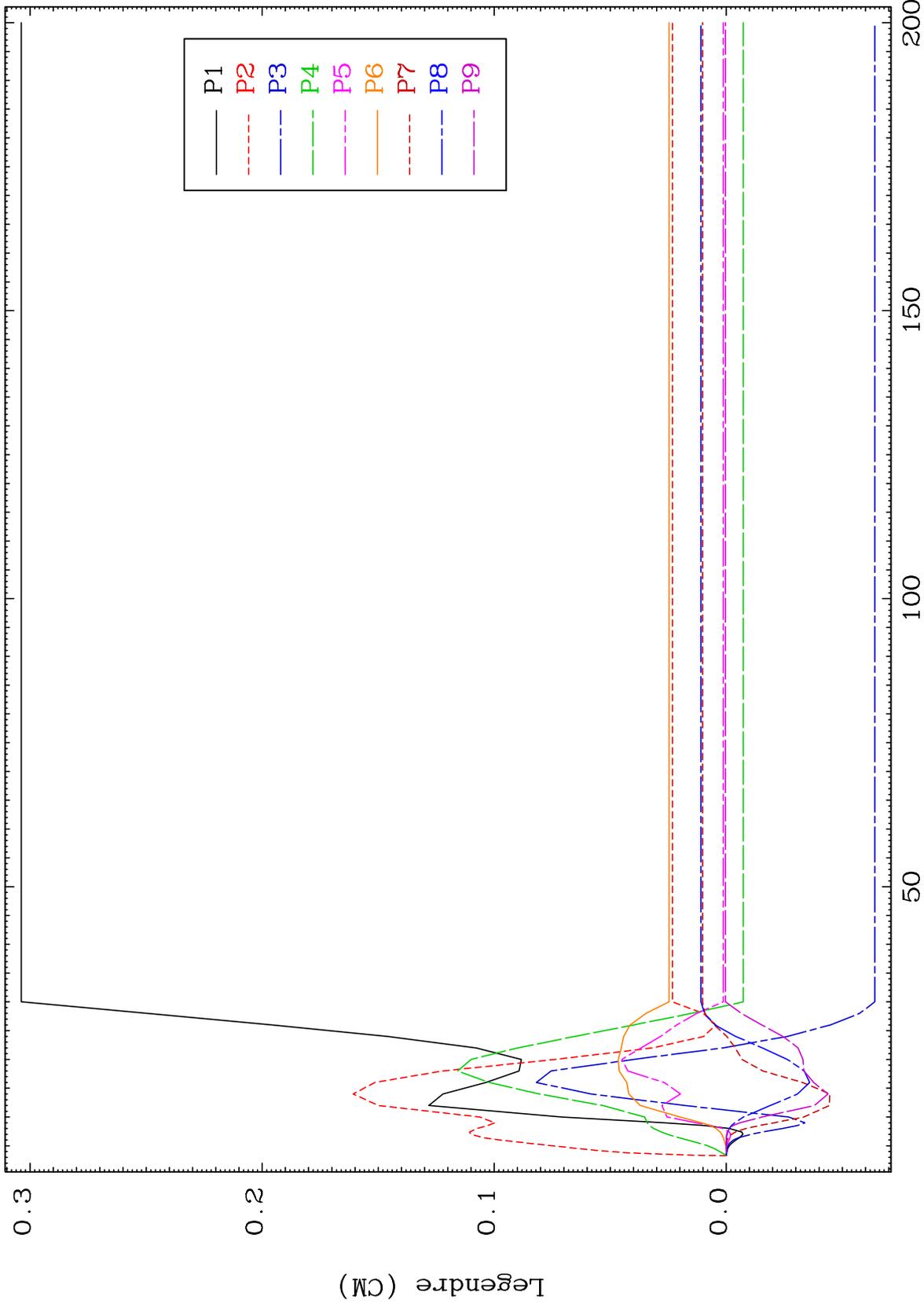
32-Ge-78



MAT 3249

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

32-Ge-78



94

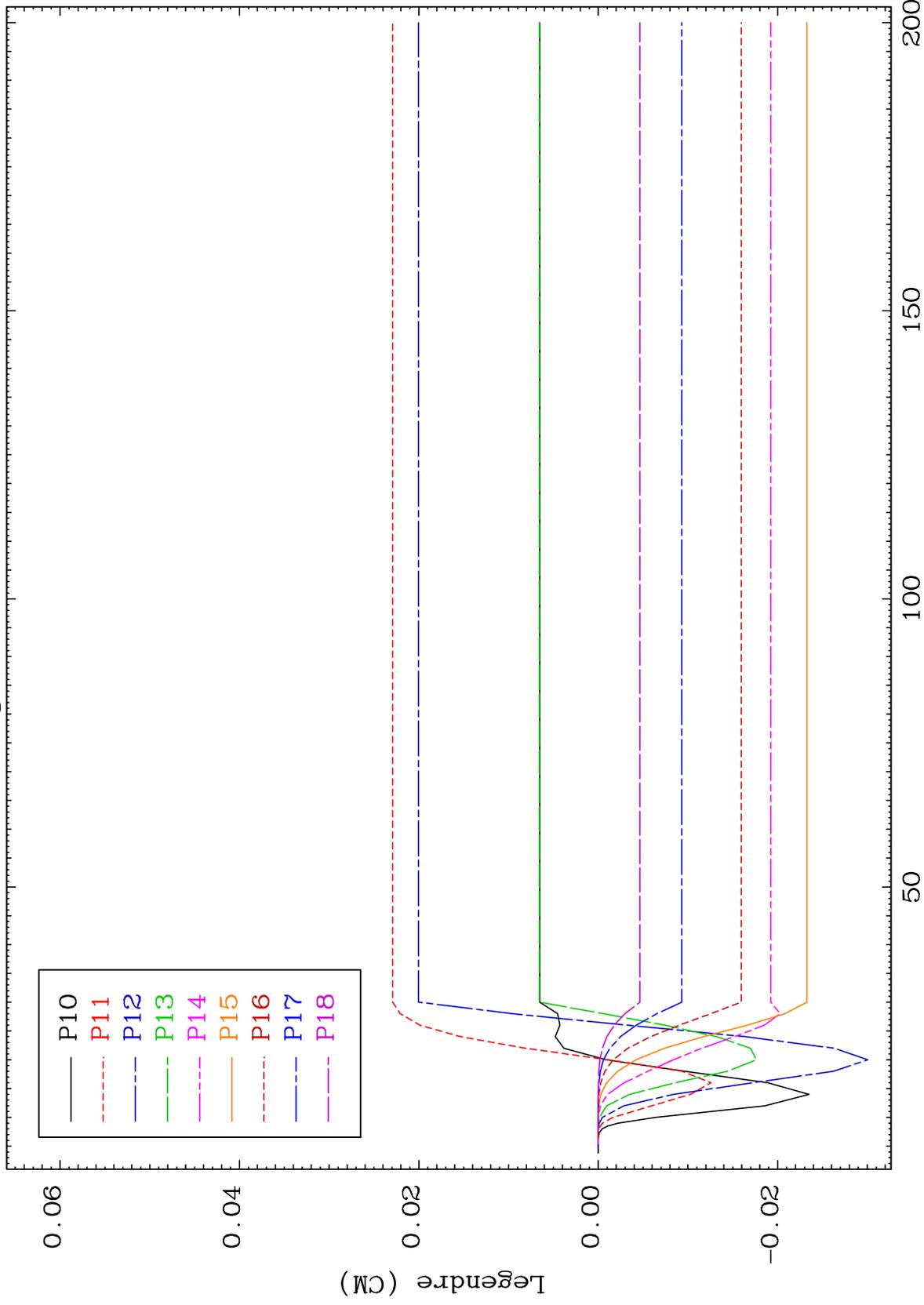
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

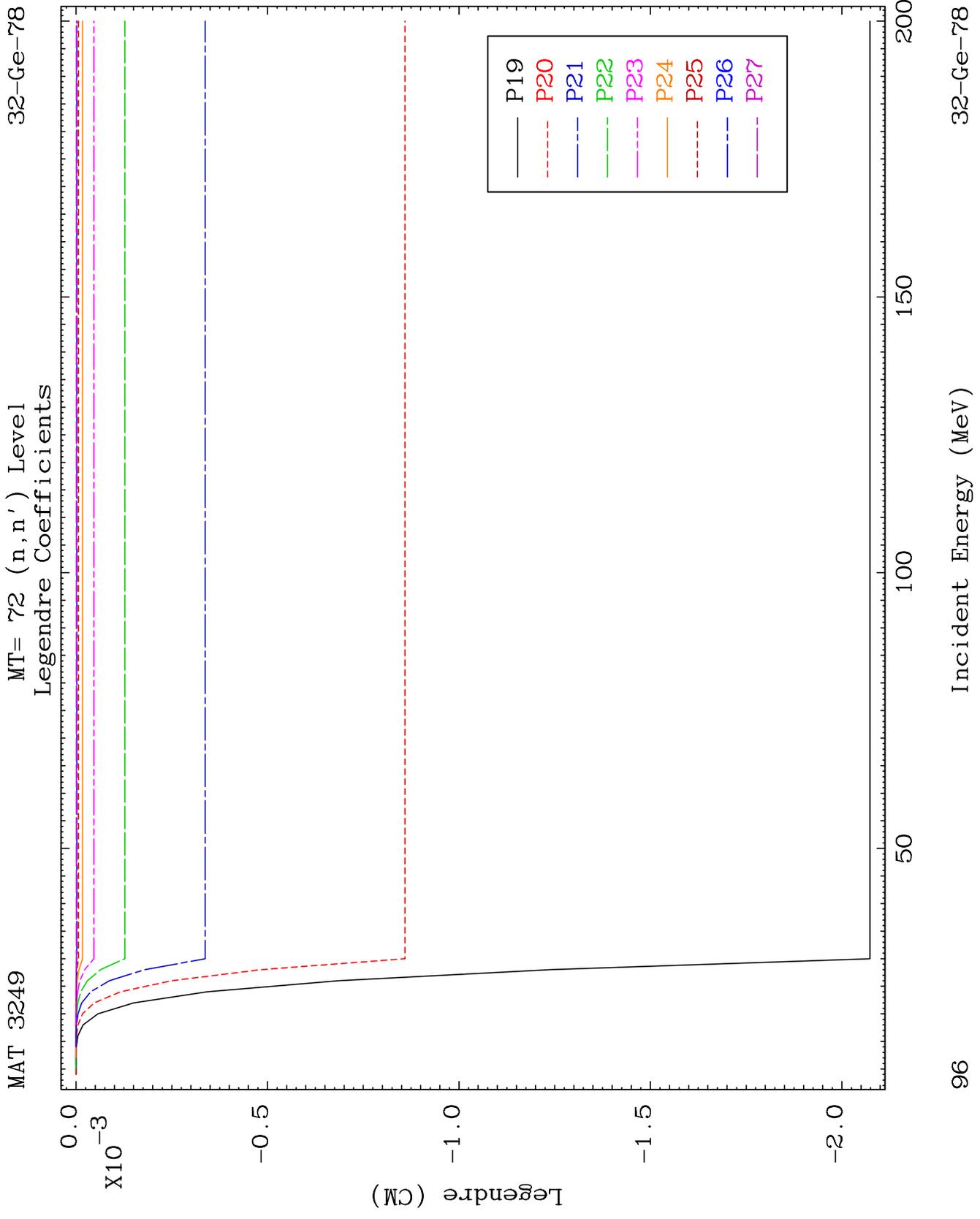
32-Ge-78

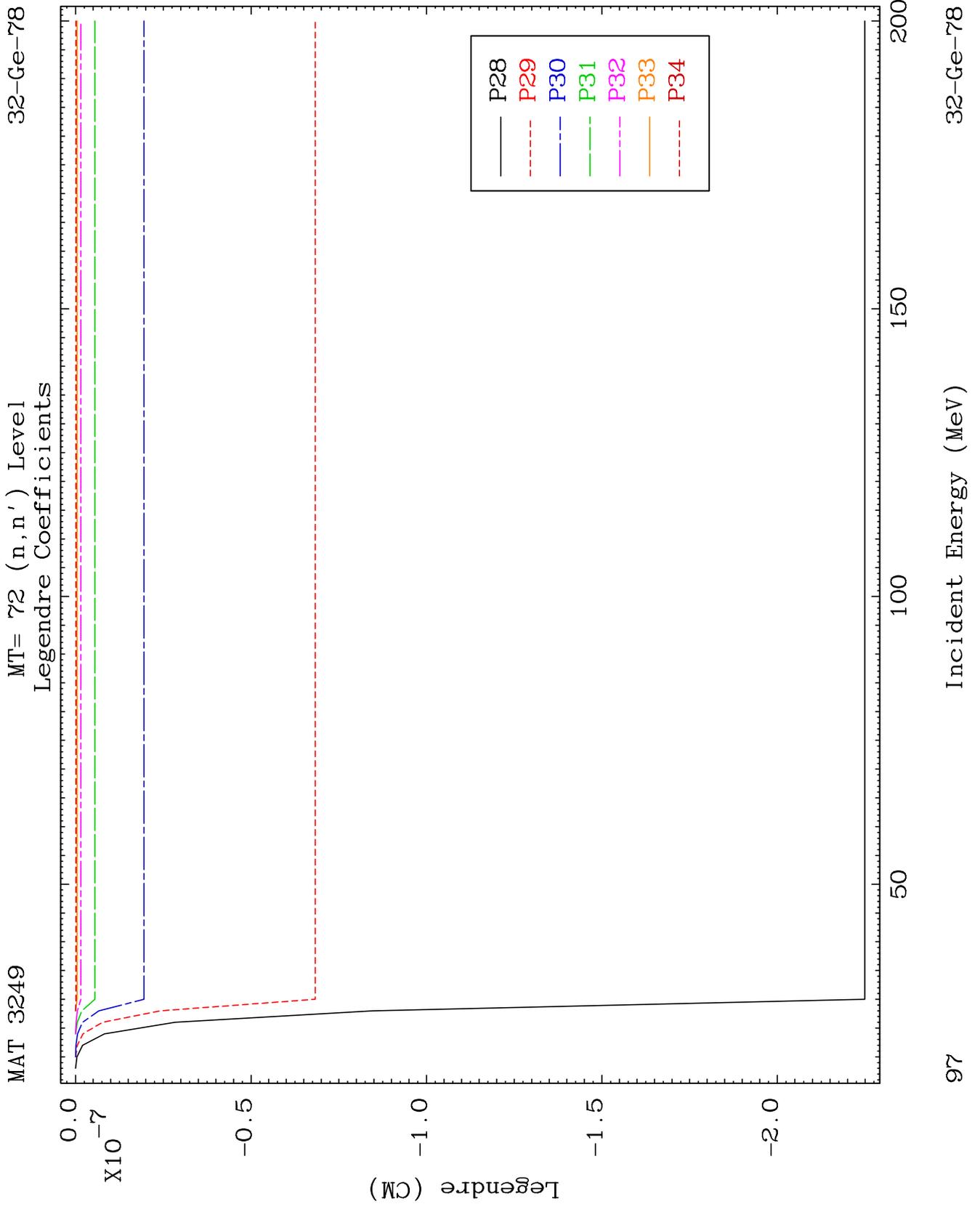


95

Incident Energy (MeV)

32-Ge-78

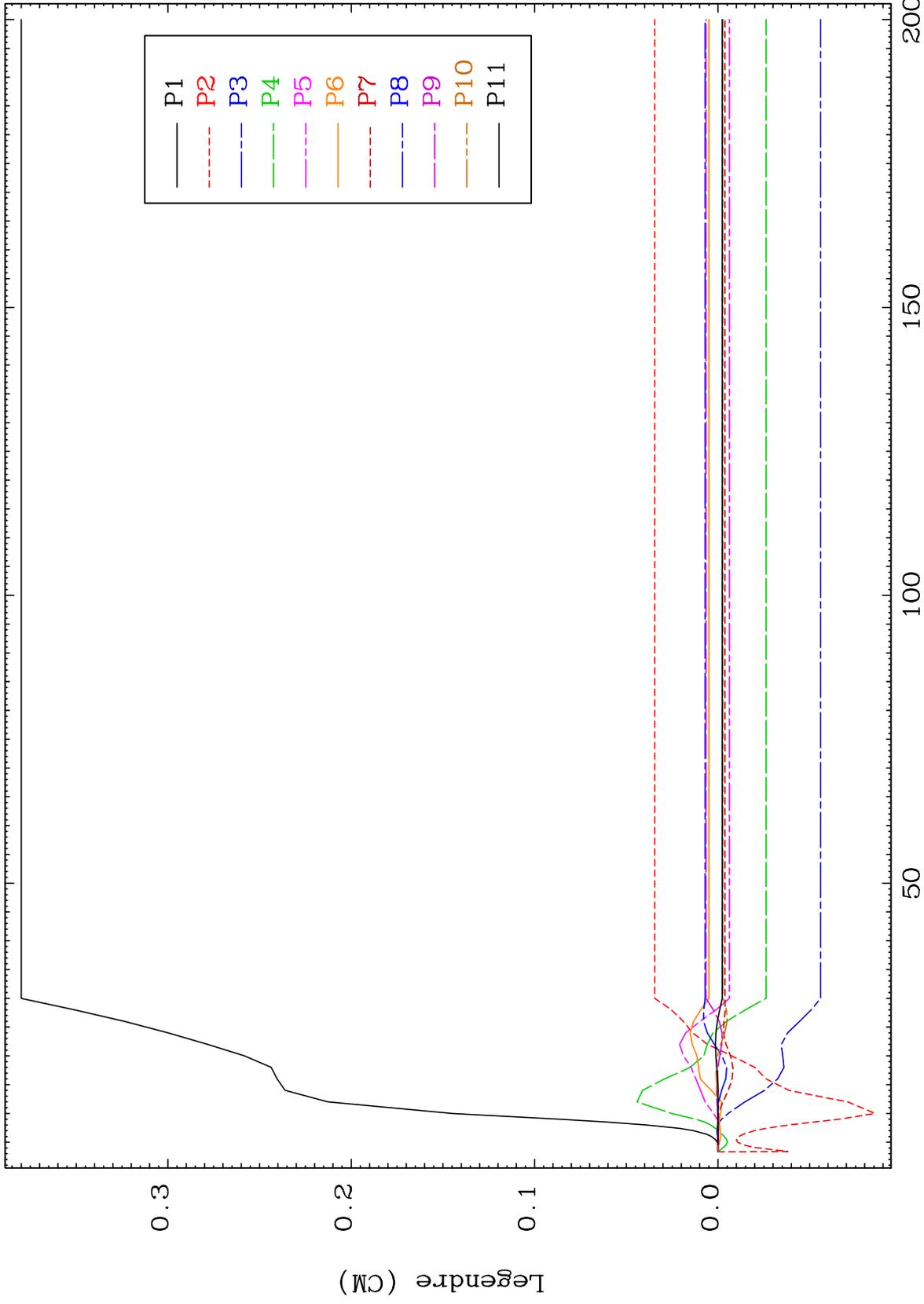




MAT 3249

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

32-Ge-78



98

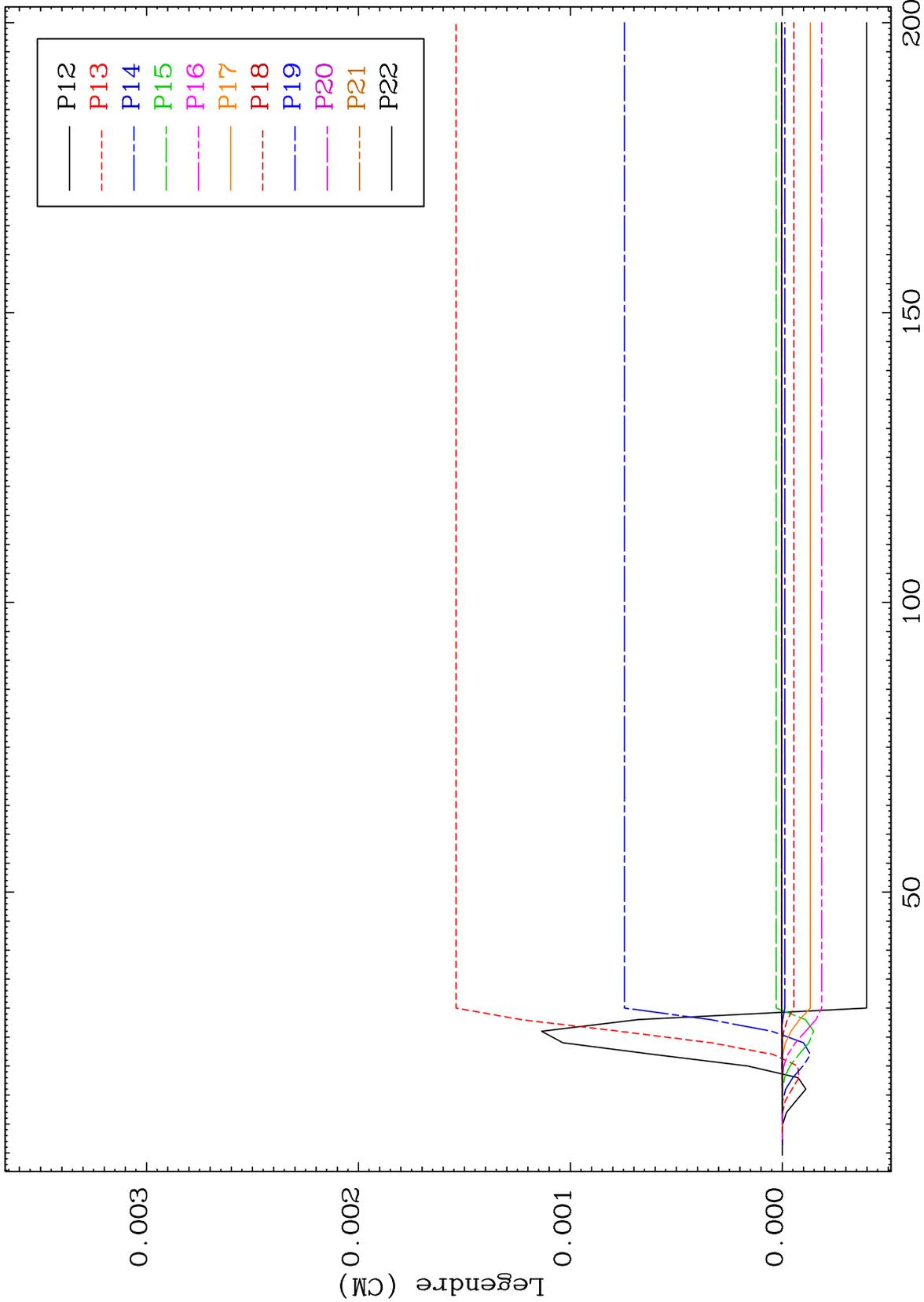
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

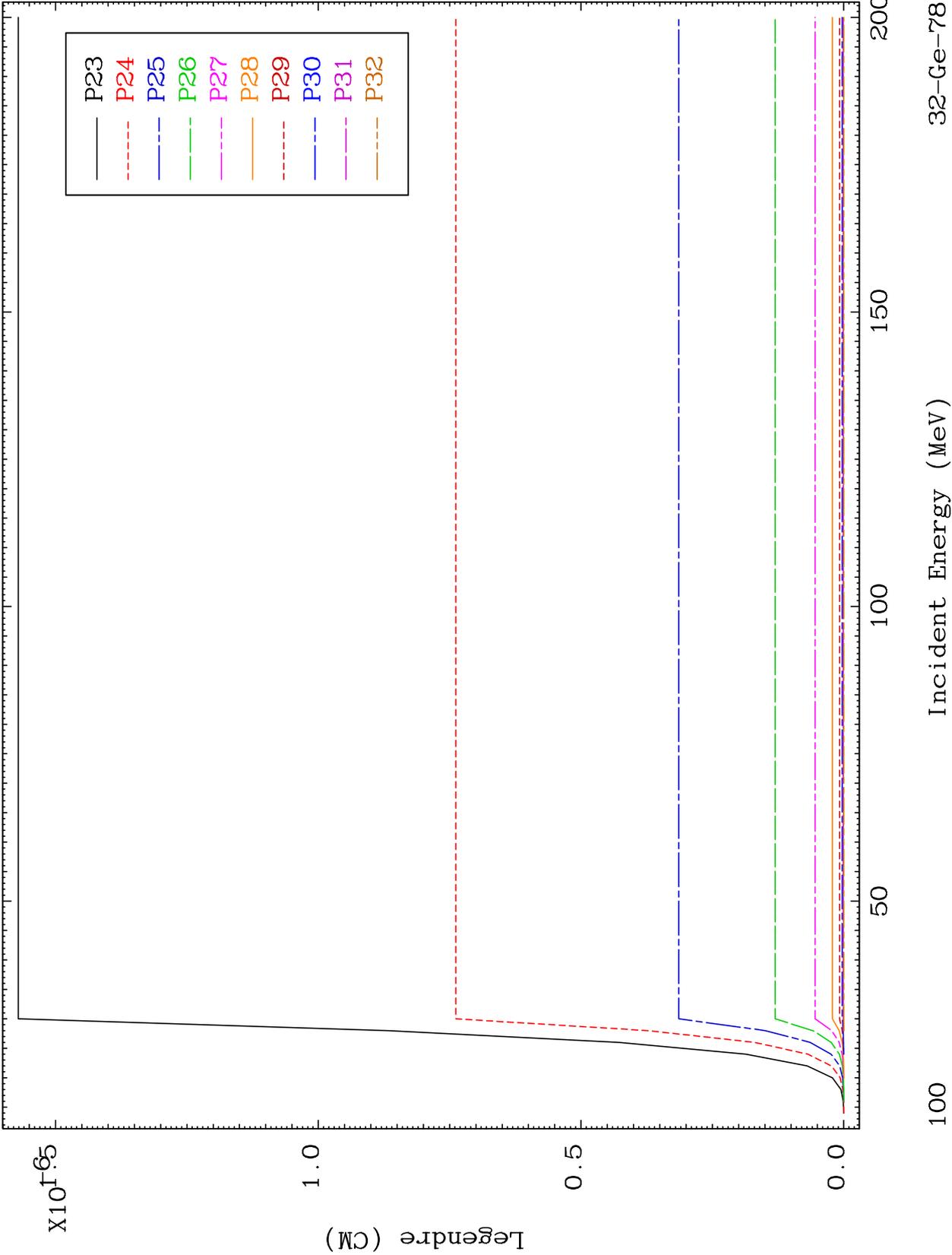
32-Ge-78



MAT 3249

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

32-Ge-78



100

50

100

150

200

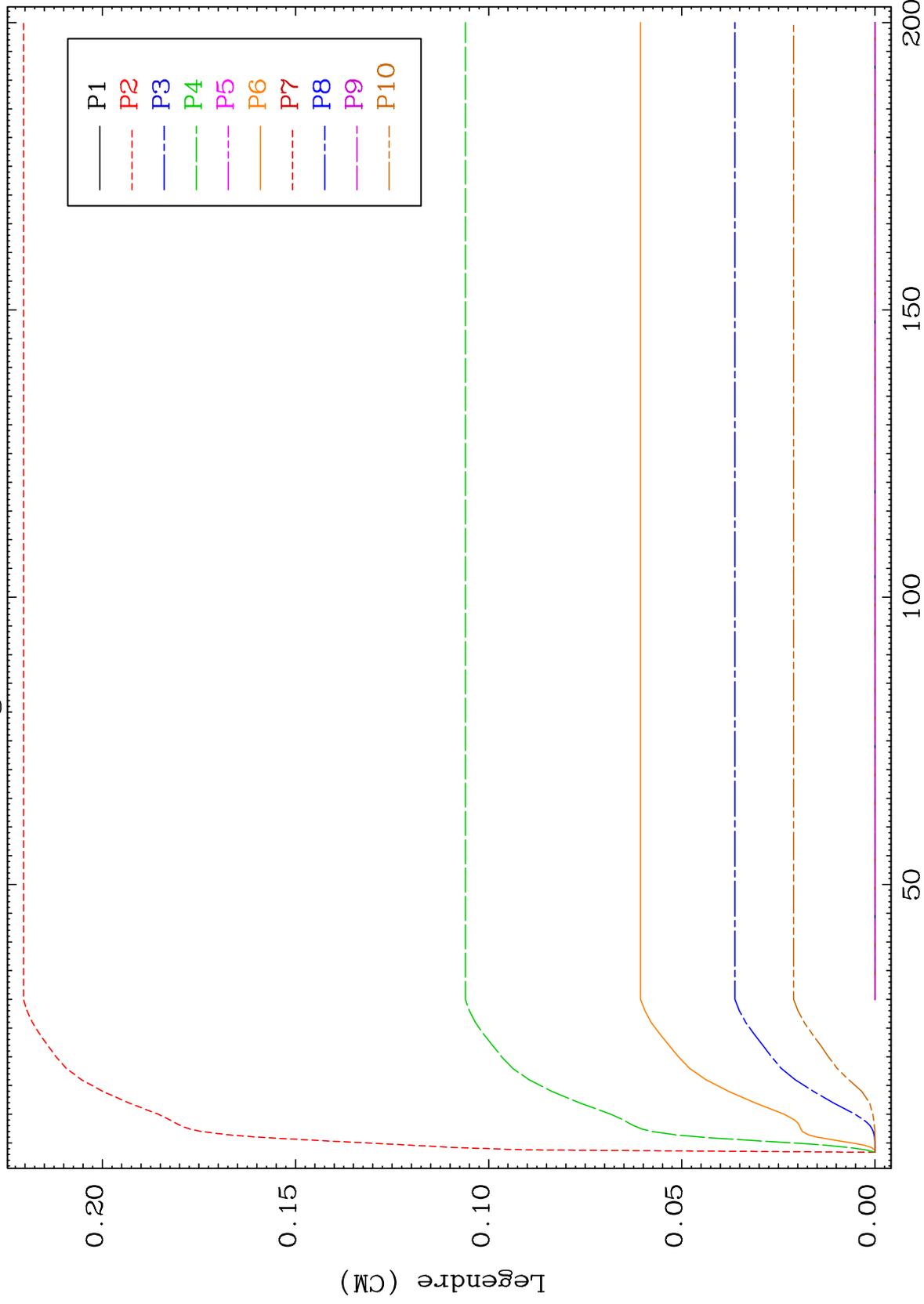
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



101

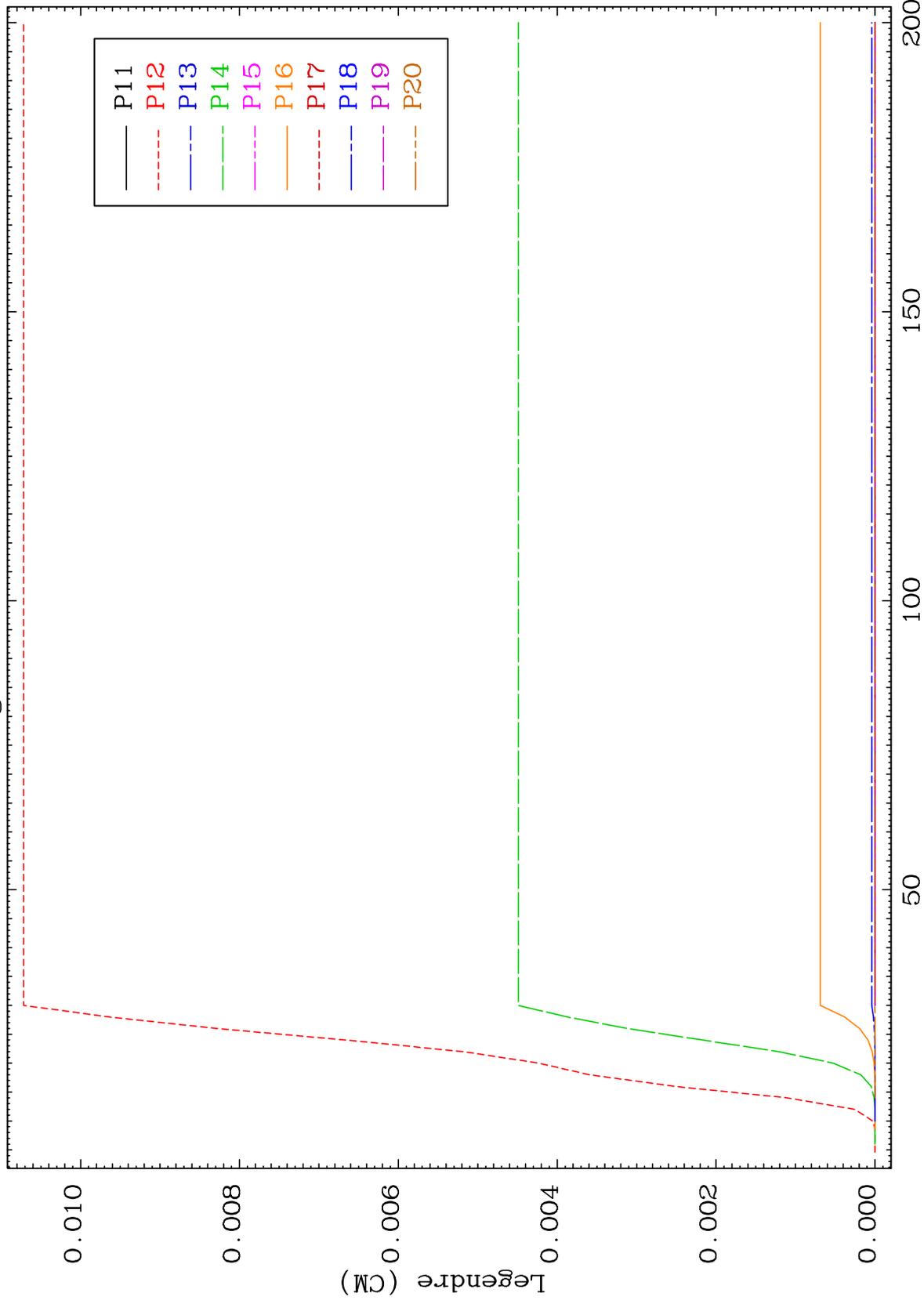
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

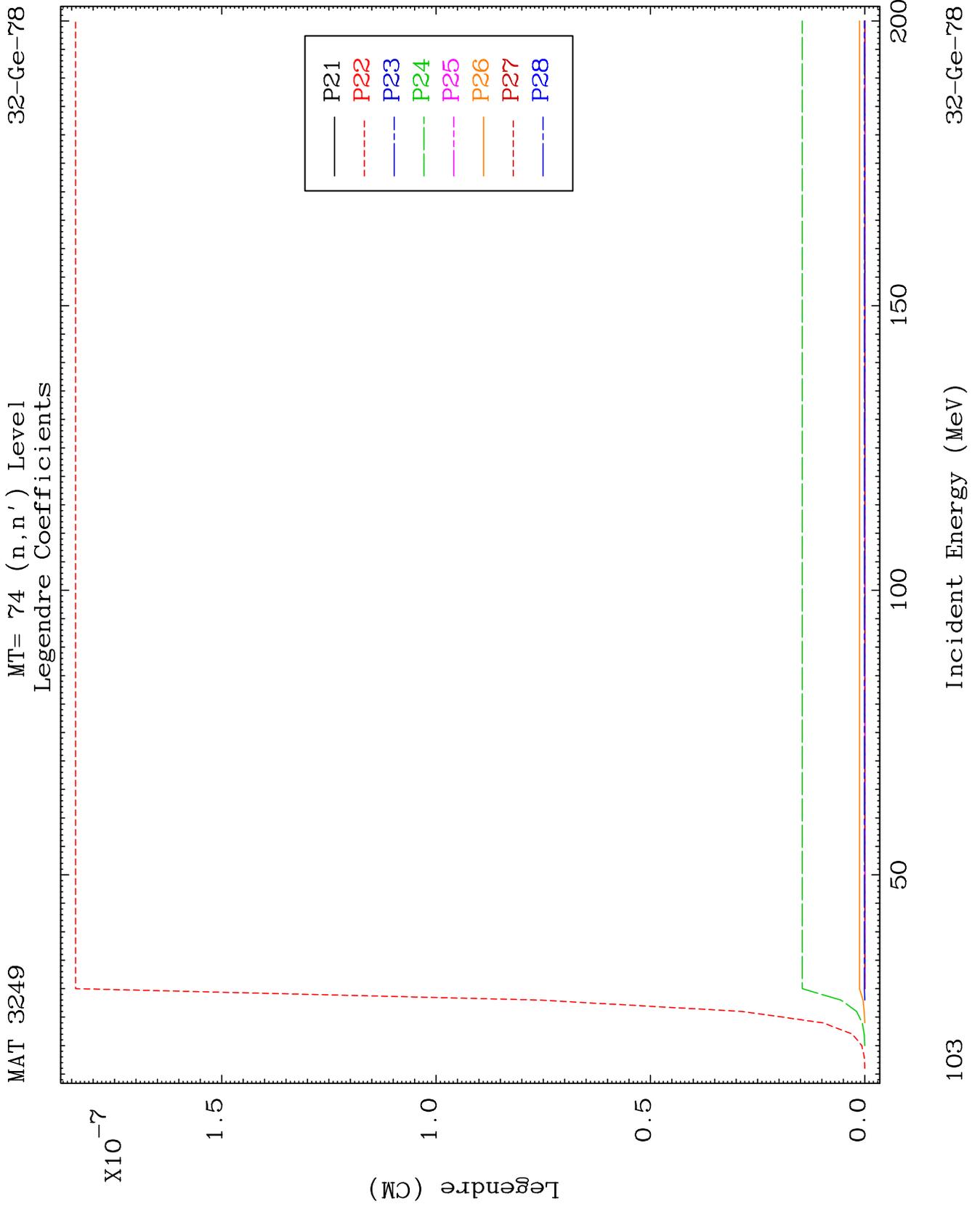
32-Ge-78



102

Incident Energy (MeV)

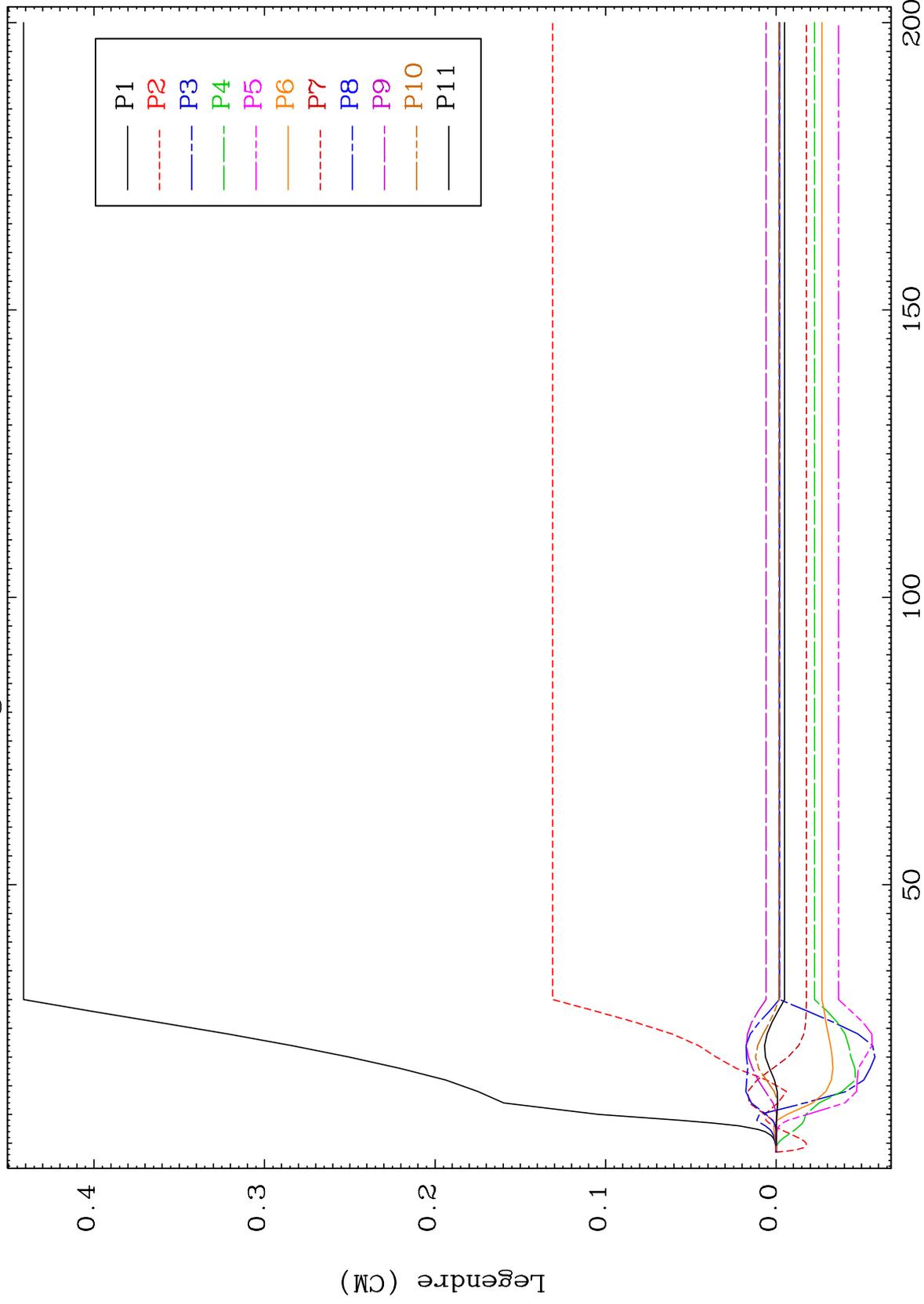
32-Ge-78



MAT 3249

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

32-Ge-78



104

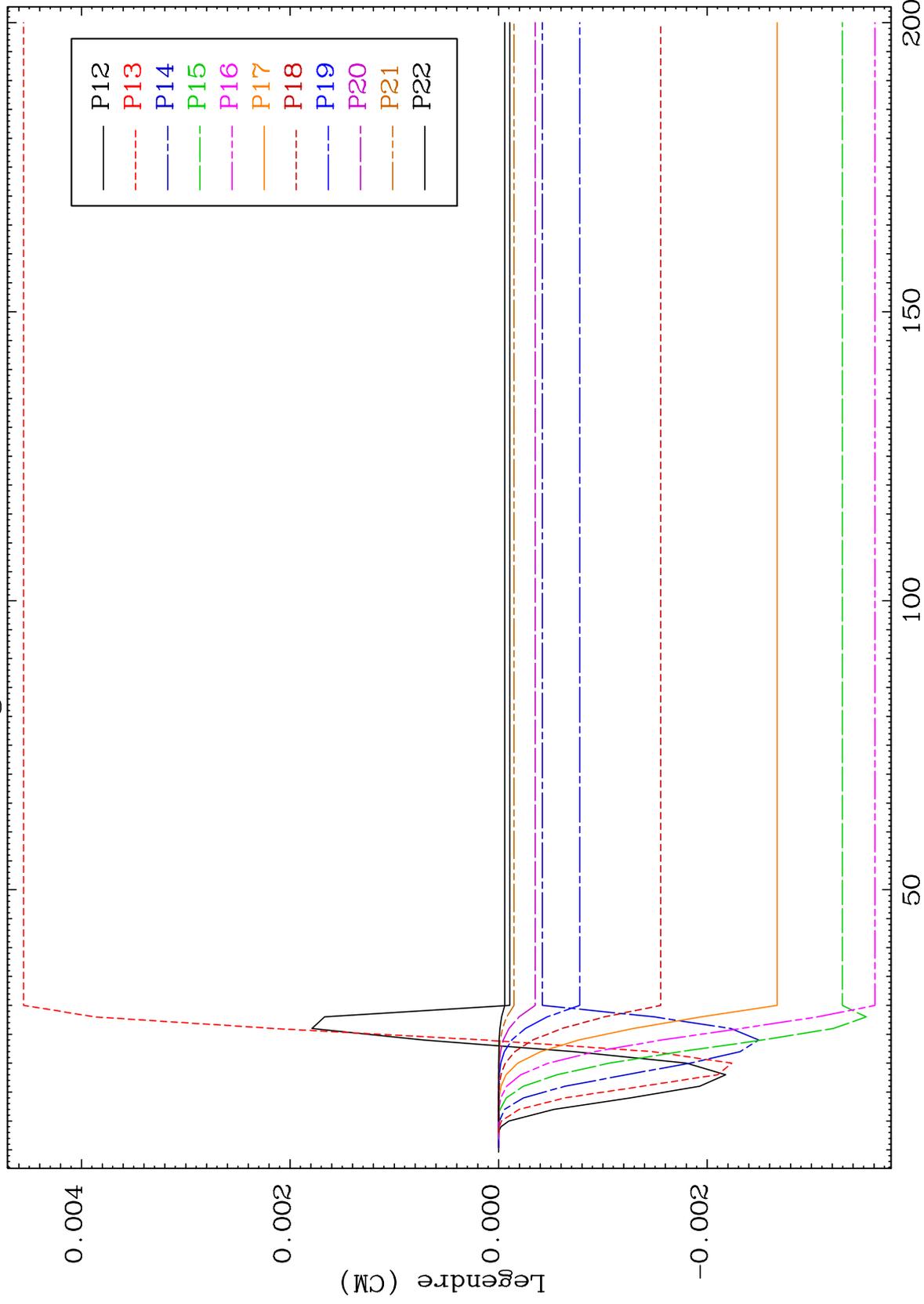
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



105

Incident Energy (MeV)

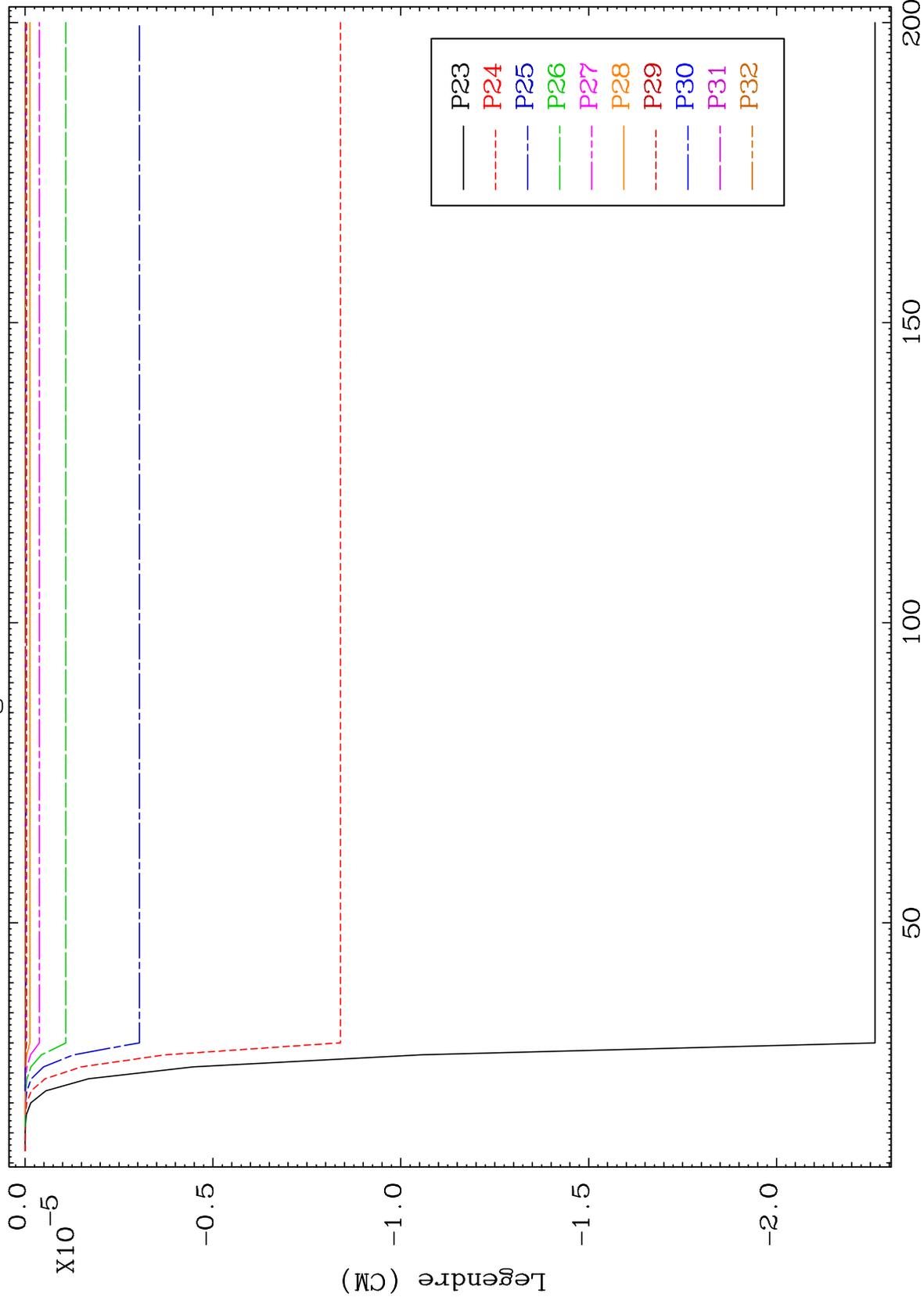
32-Ge-78

MAT 3249

MT= 75 (n,n') Level

32-Ge-78

Legendre Coefficients



106

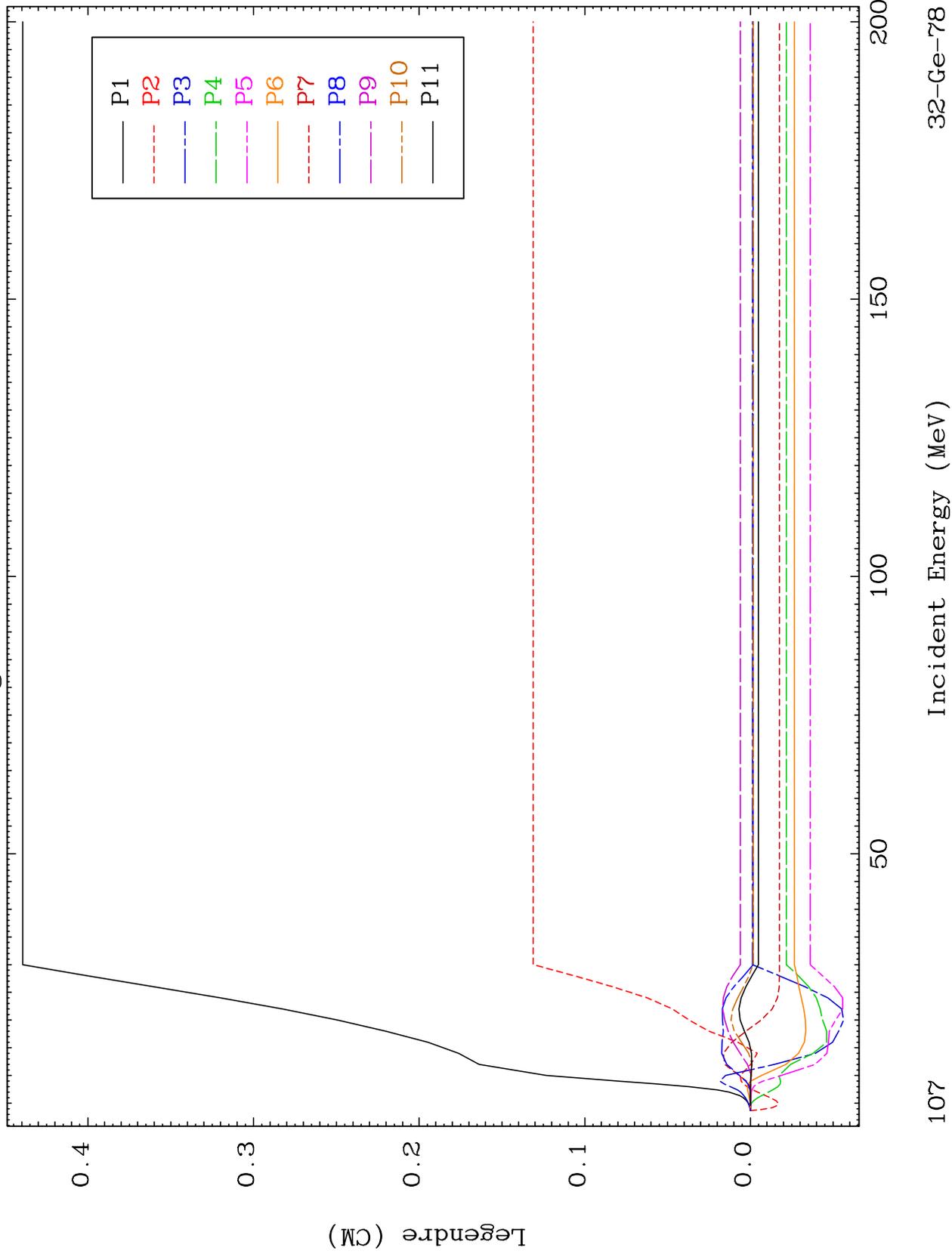
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



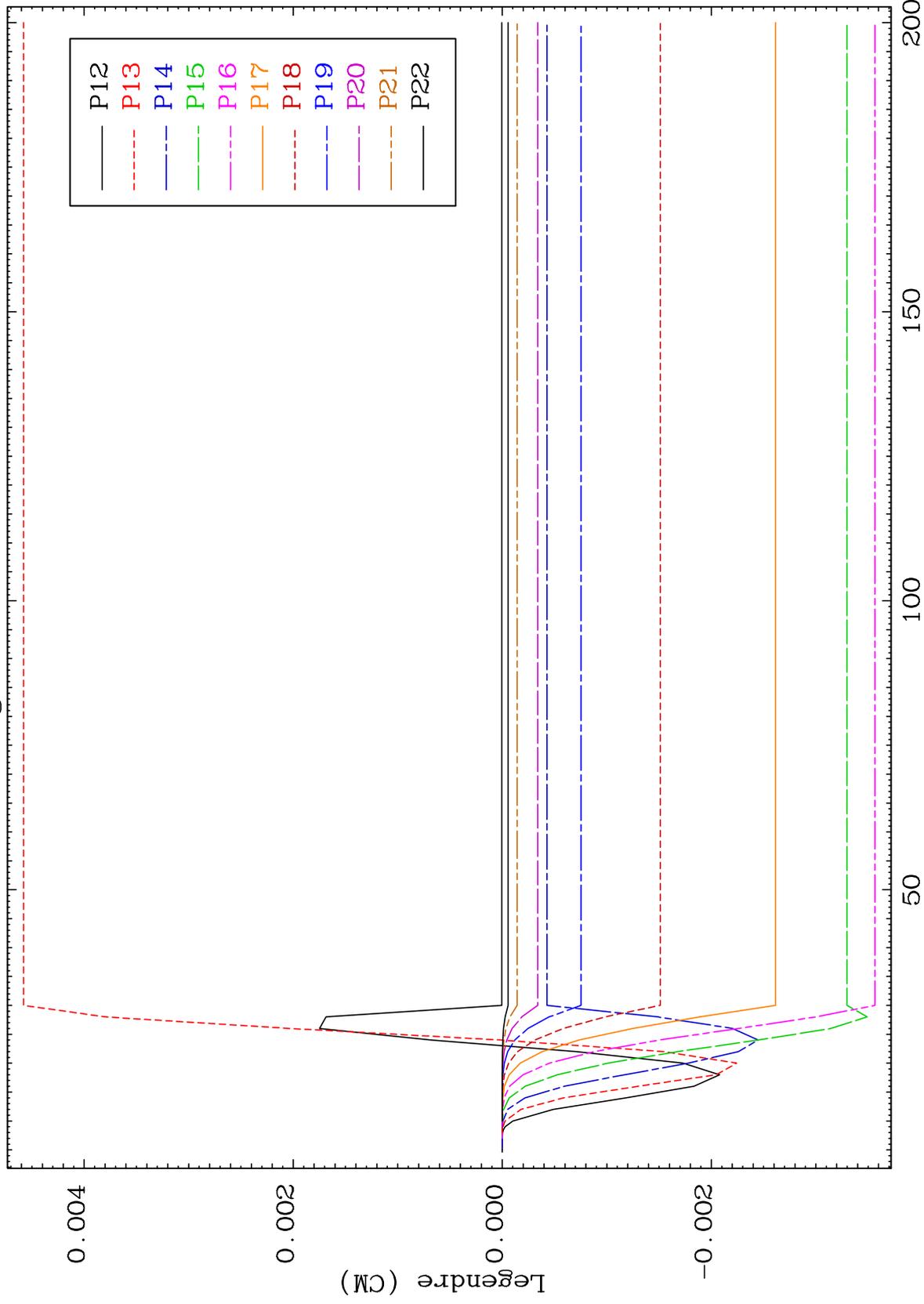
107

32-Ge-78

MAT 3249

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

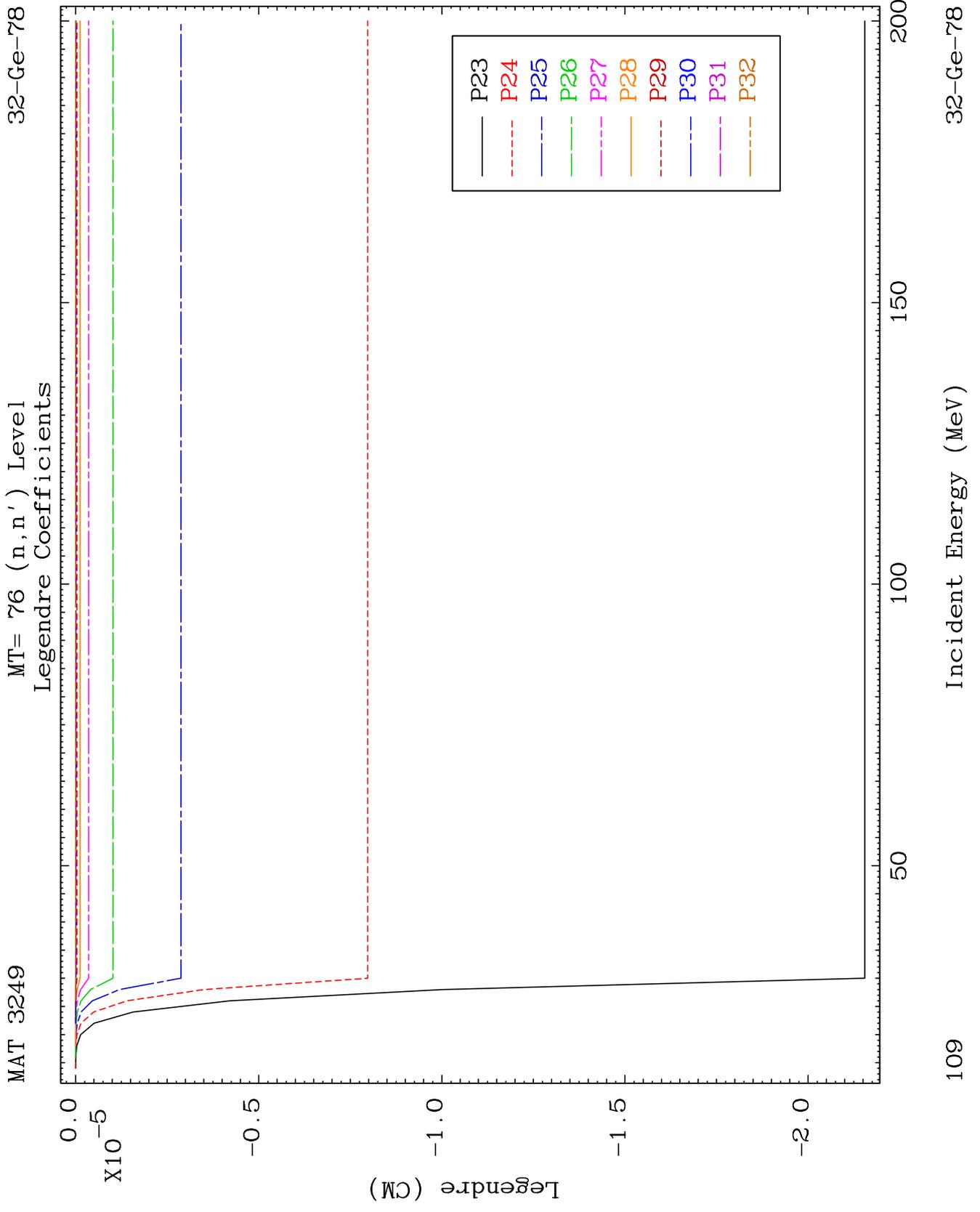
32-Ge-78



108

Incident Energy (MeV)

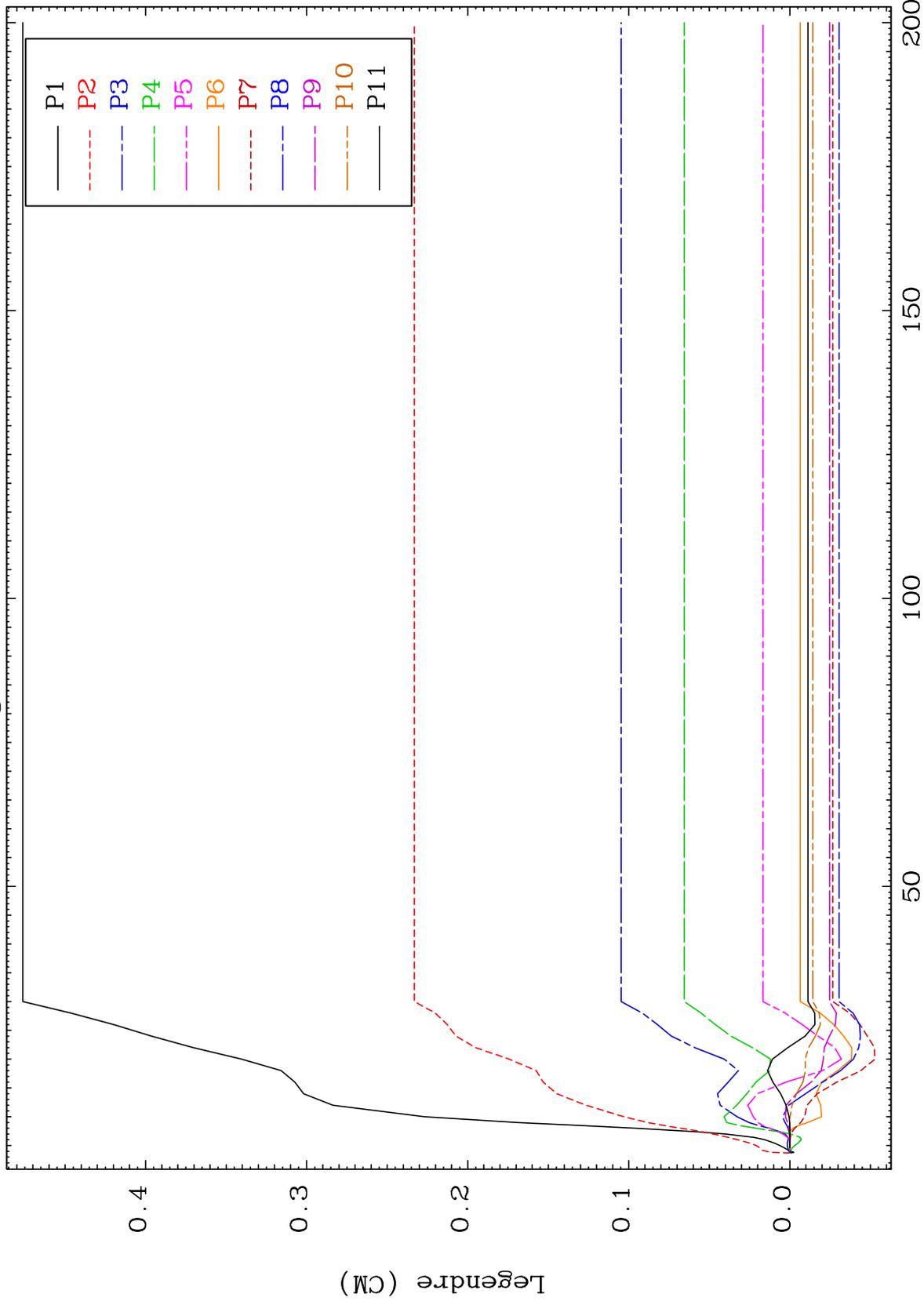
32-Ge-78



MAT 3249

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

32-Ge-78



110

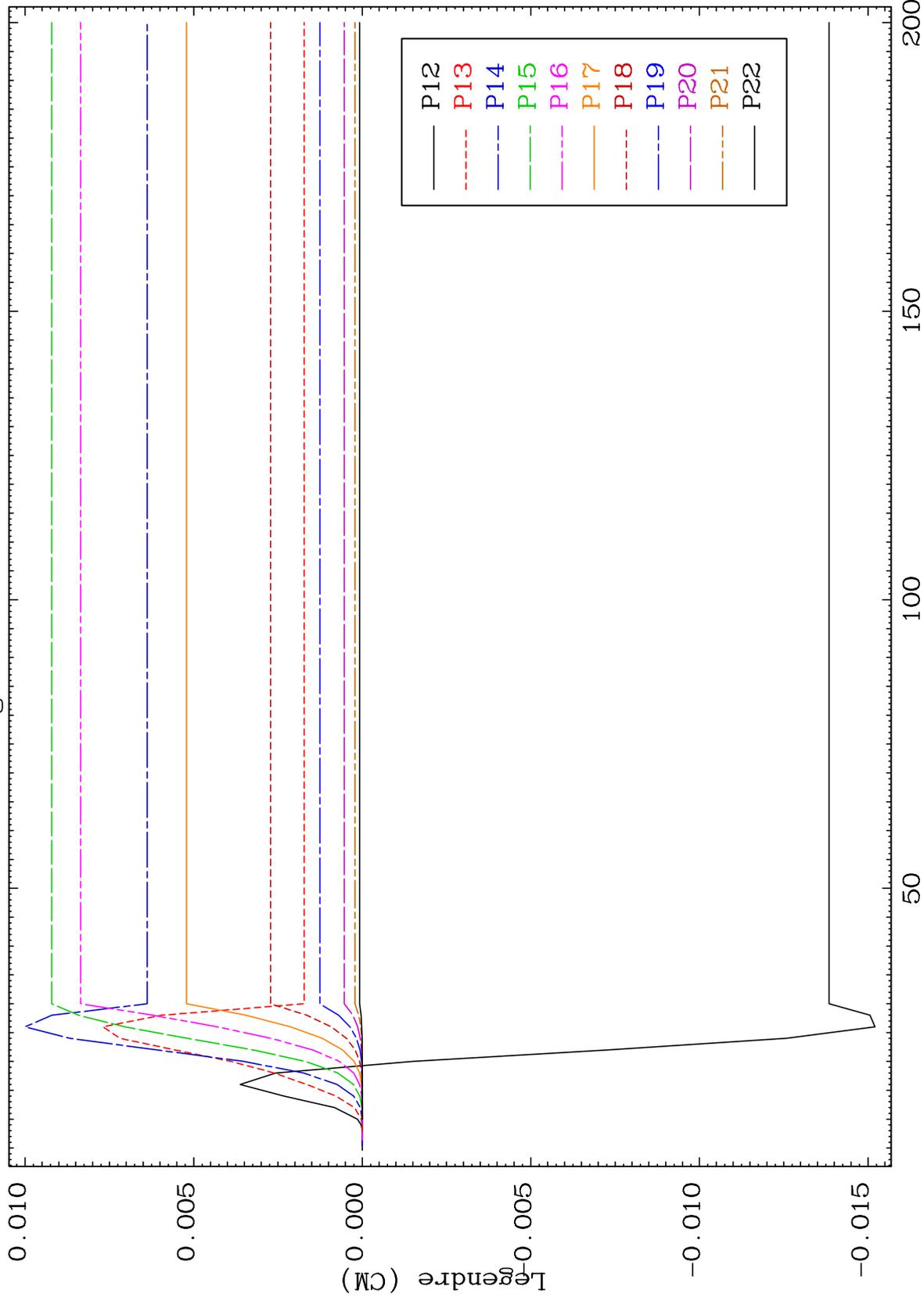
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



111

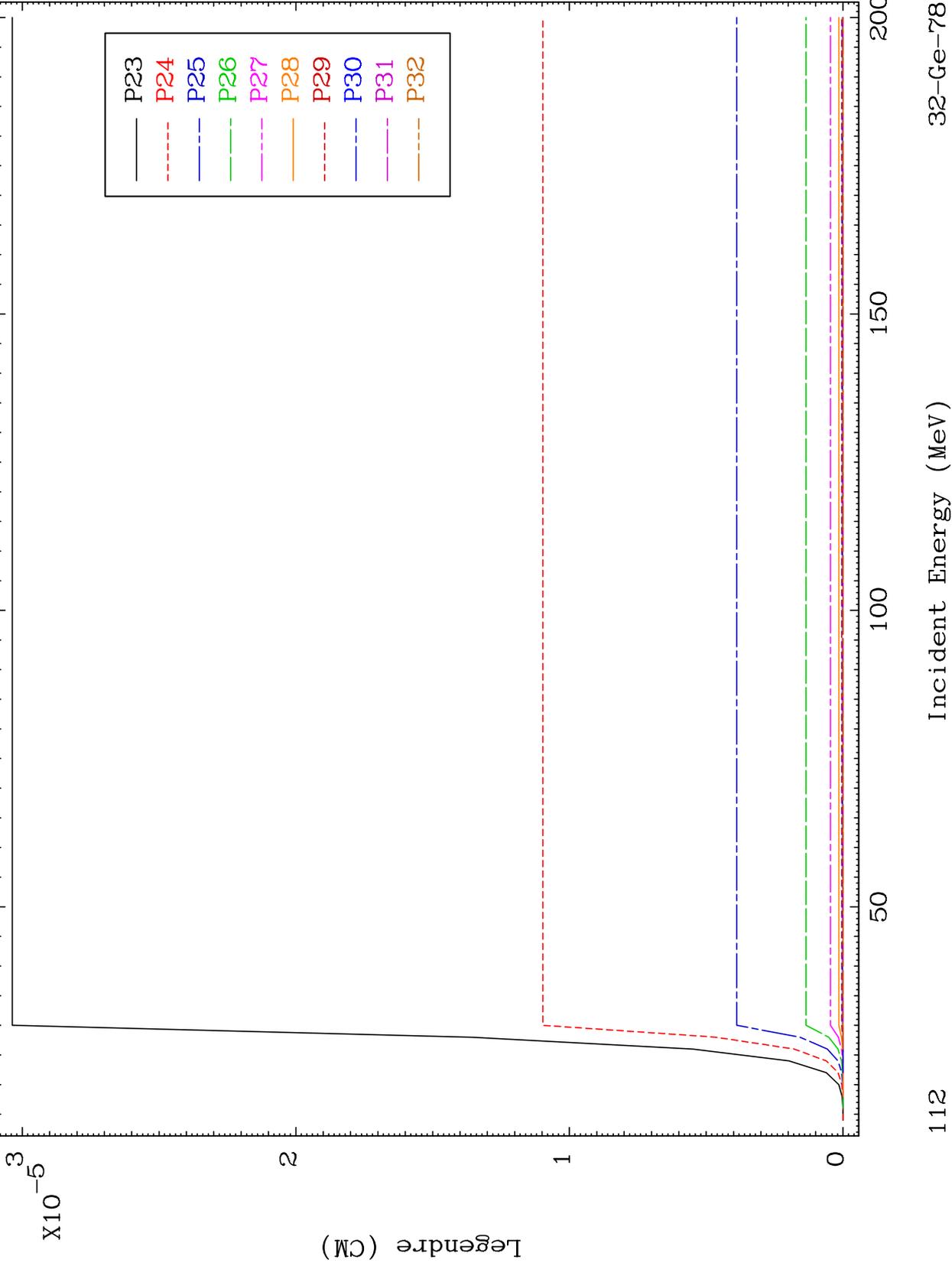
Incident Energy (MeV)

32-Ge-78

MAT 3249

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

32-Ge-78



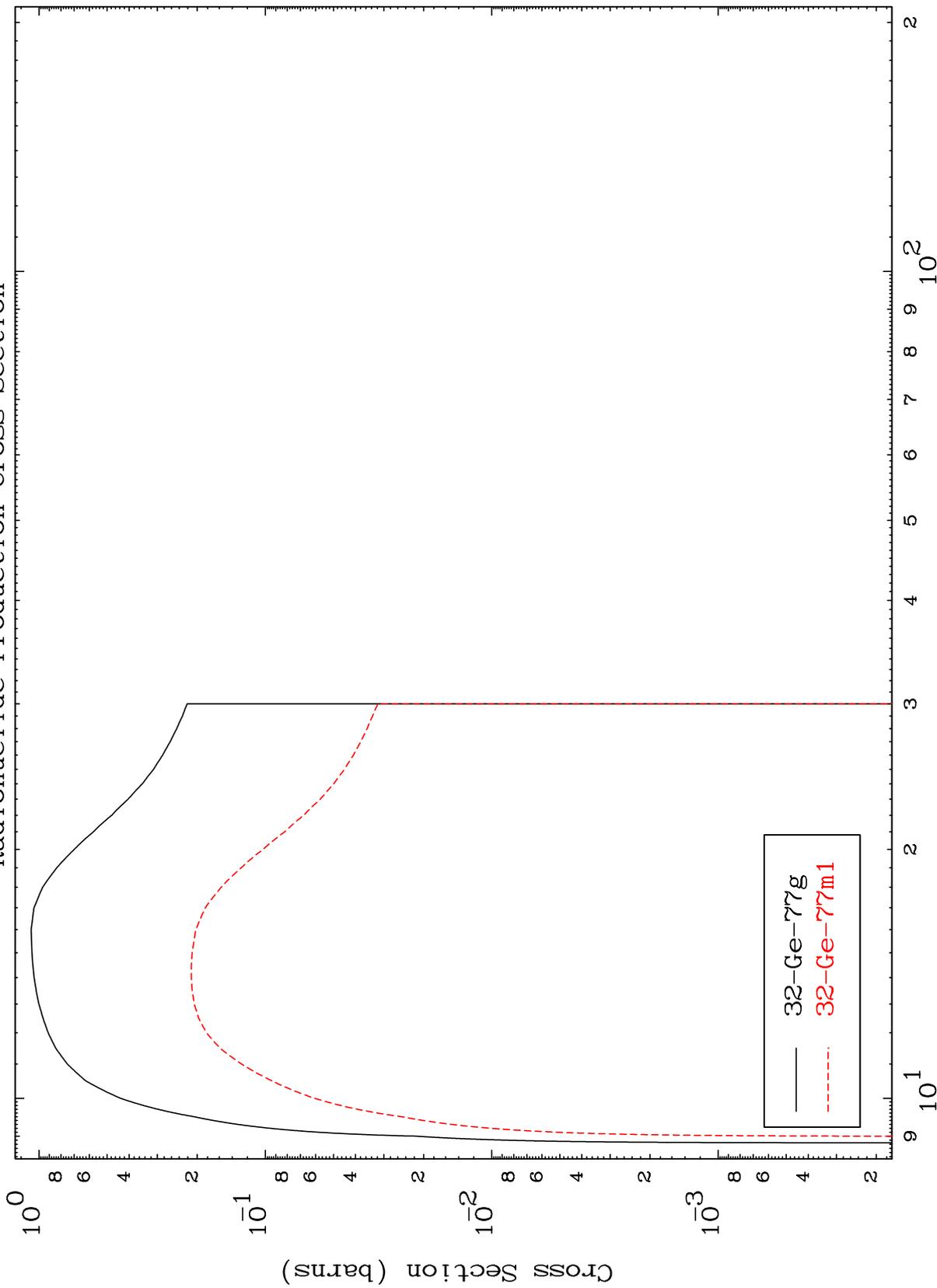
112

32-Ge-78

MAT 3249

³²Ge-78

(n,2n)
Radionuclide Production Cross Section



³²Ge-78

Incident Energy (MeV)

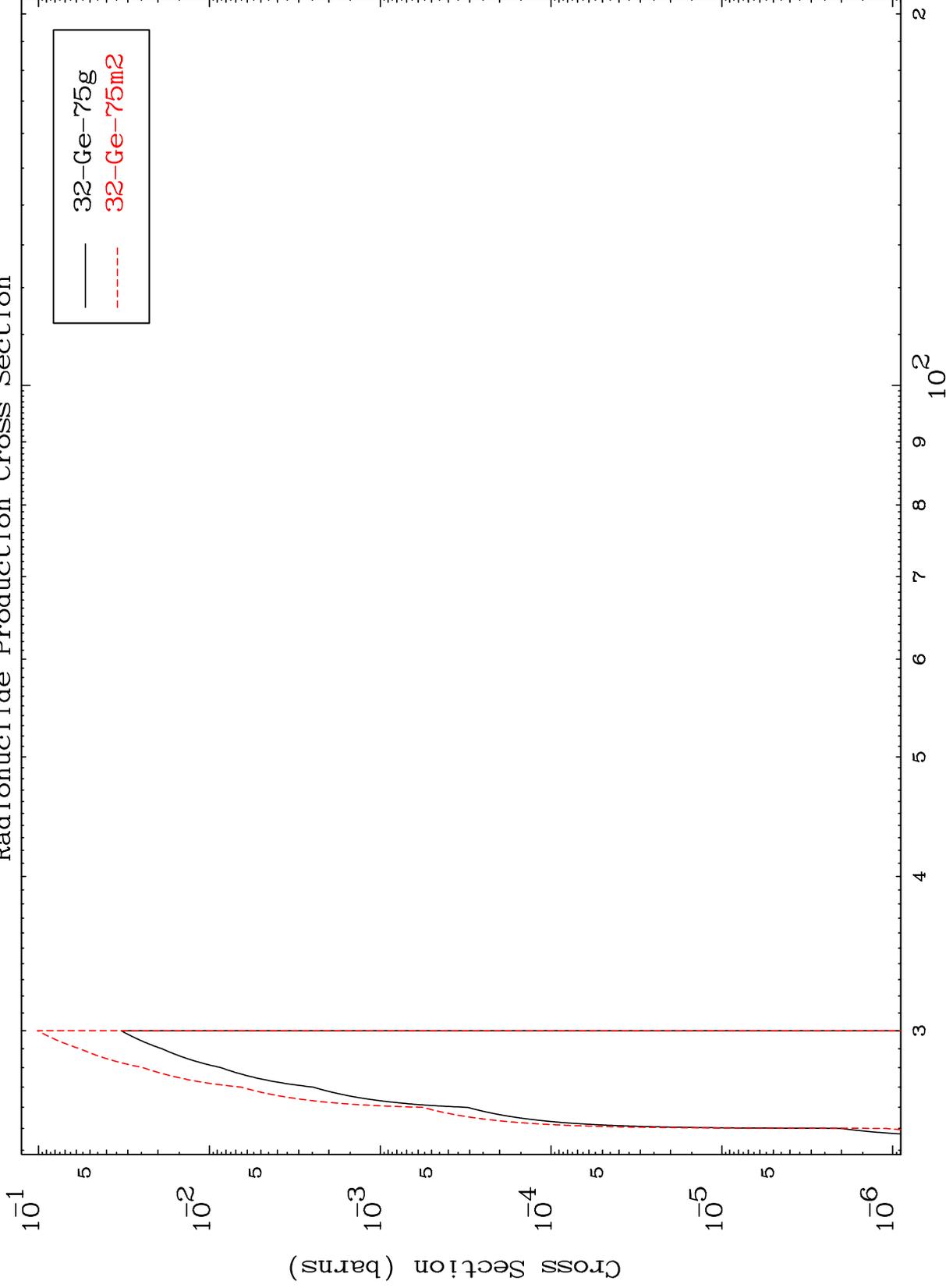
113

MAT 3249

(n,4n)

³²Ge-78

Radionuclide Production Cross Section



114

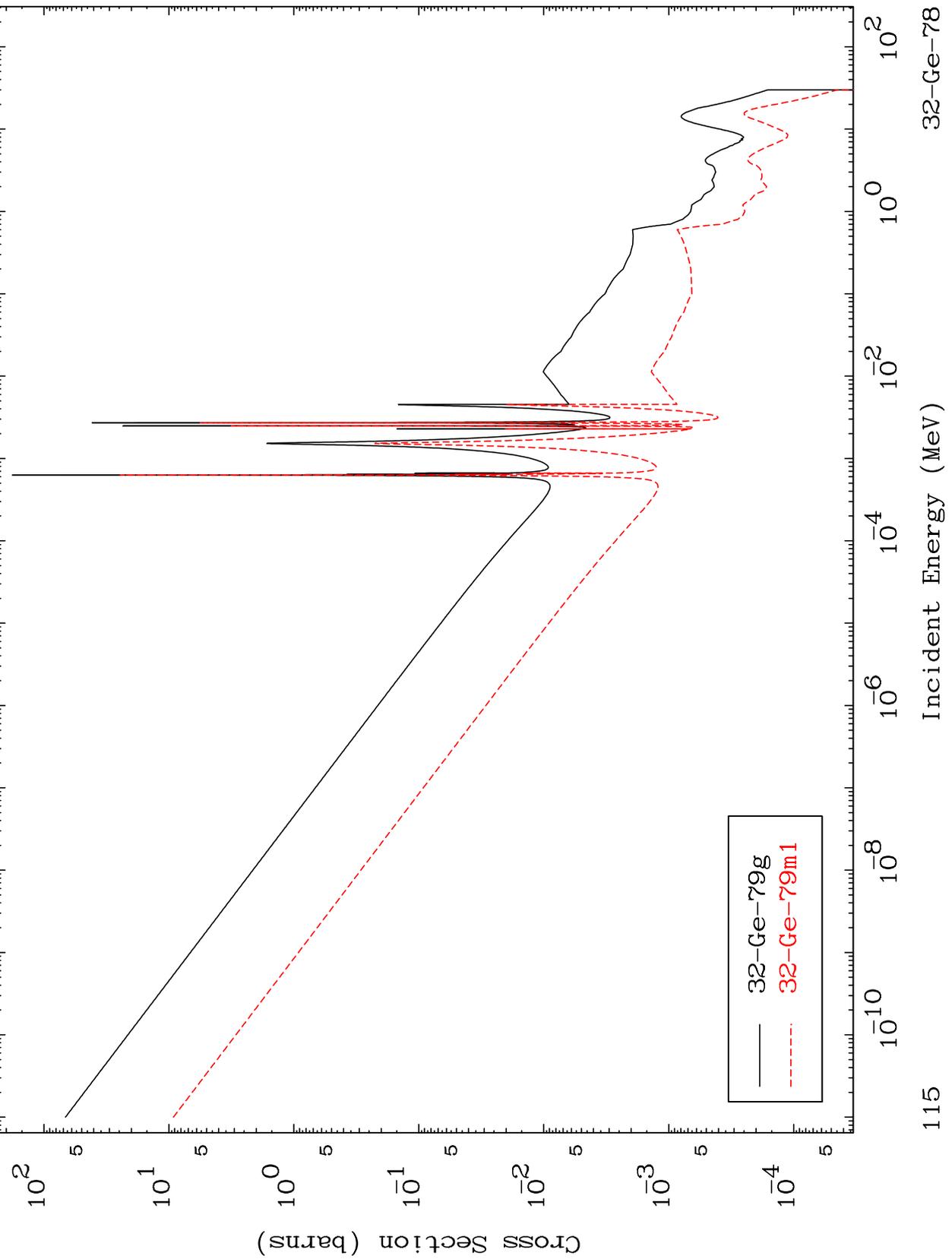
Incident Energy (MeV)

³²Ge-78

MAT 3249

³²Ge-78

Radionuclide Production Cross Section

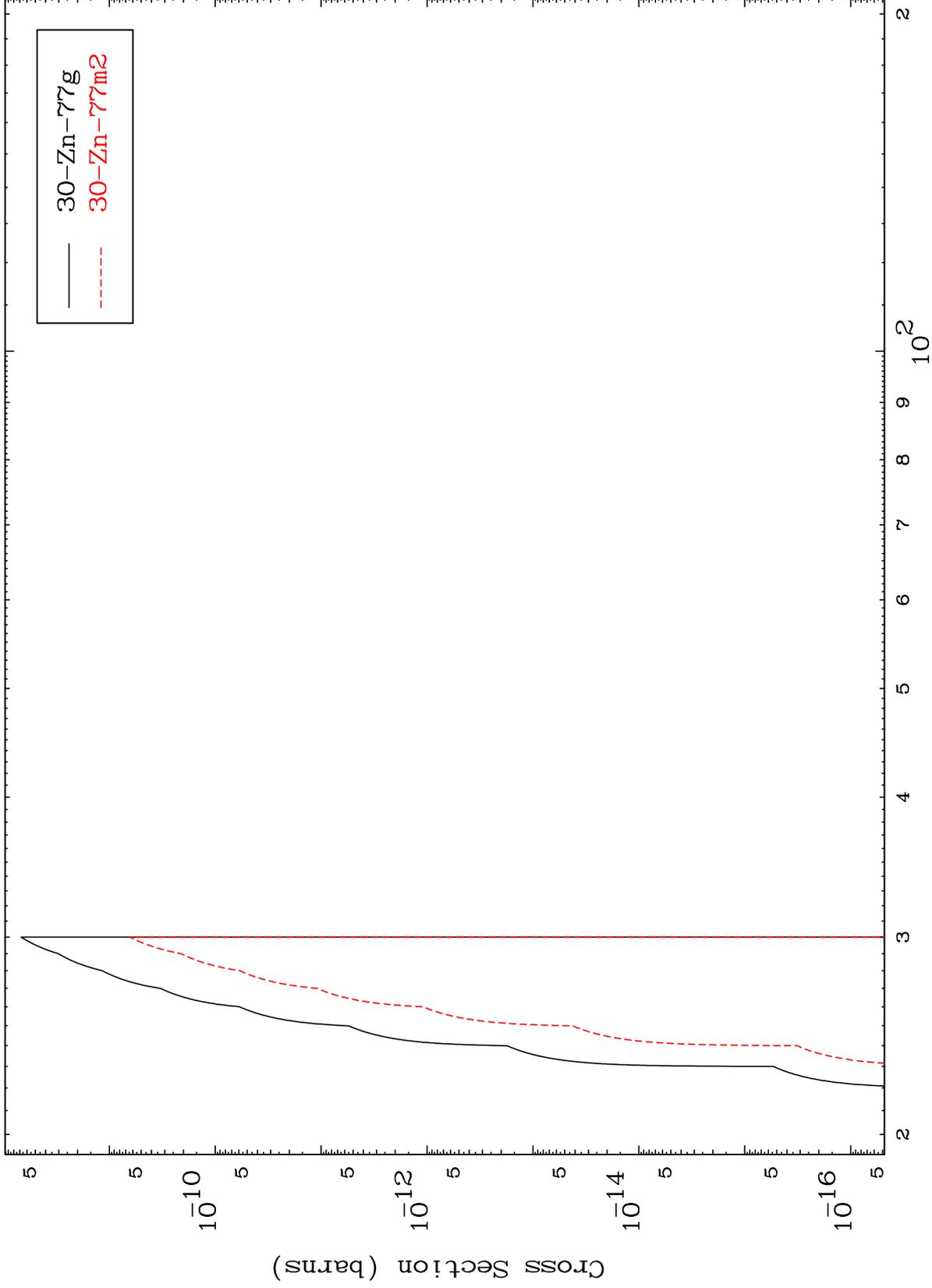


MAT 3249

(n,2p)

32-Ge-78

Radionuclide Production Cross Section



116

Incident Energy (MeV)

32-Ge-78