

Program EVALPLOT
(Version 2017-1)

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

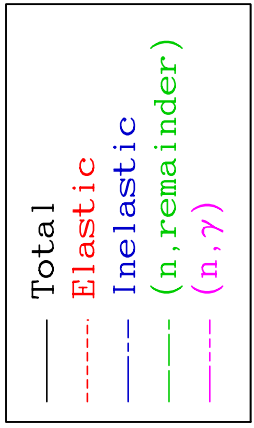
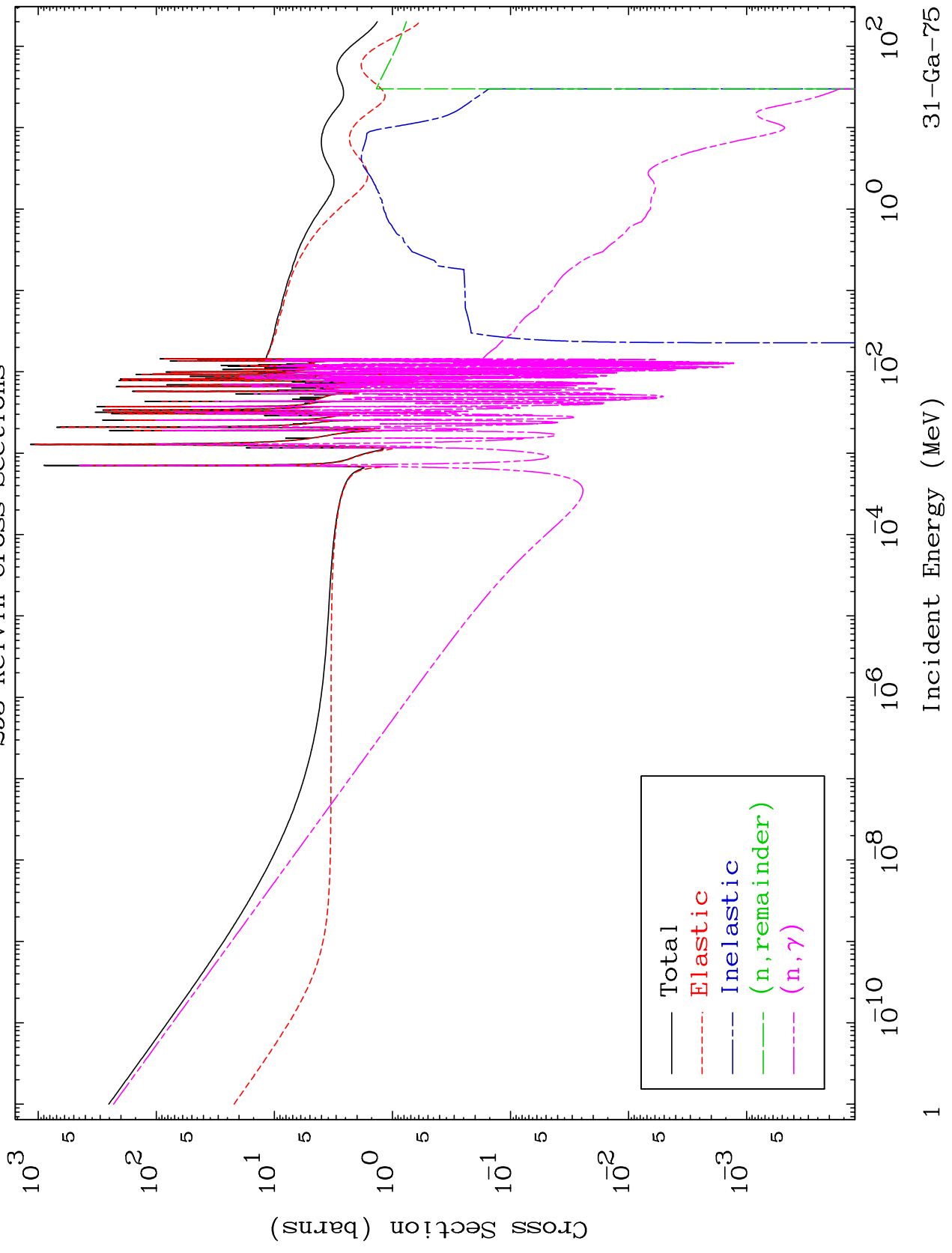
Press Mouse Button to Start

MAT 3143

Major

293 Kelvin Cross Sections

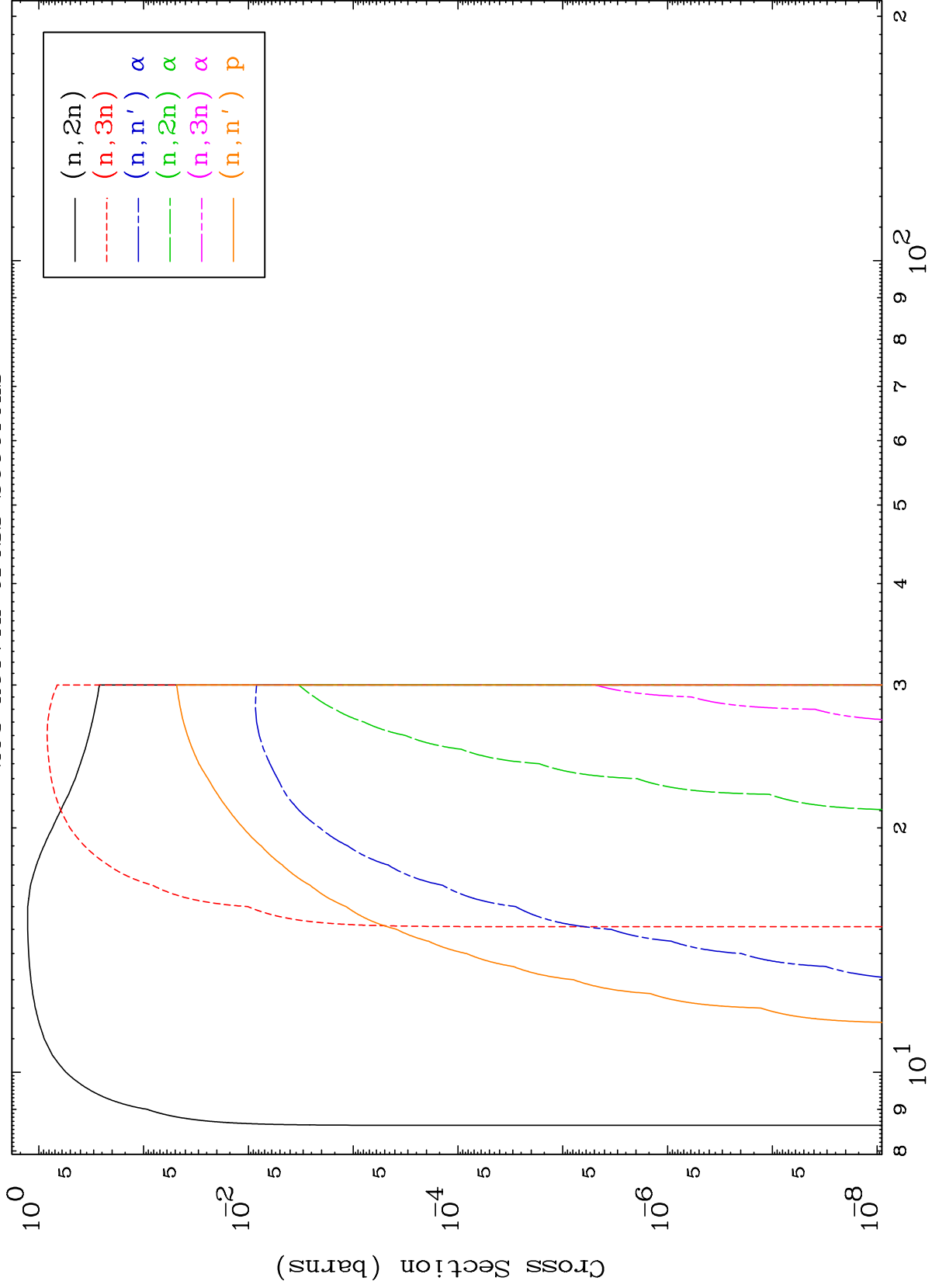
31-Ga-75



MAT 3143

Neutron Production
293 Kelvin Cross Sections

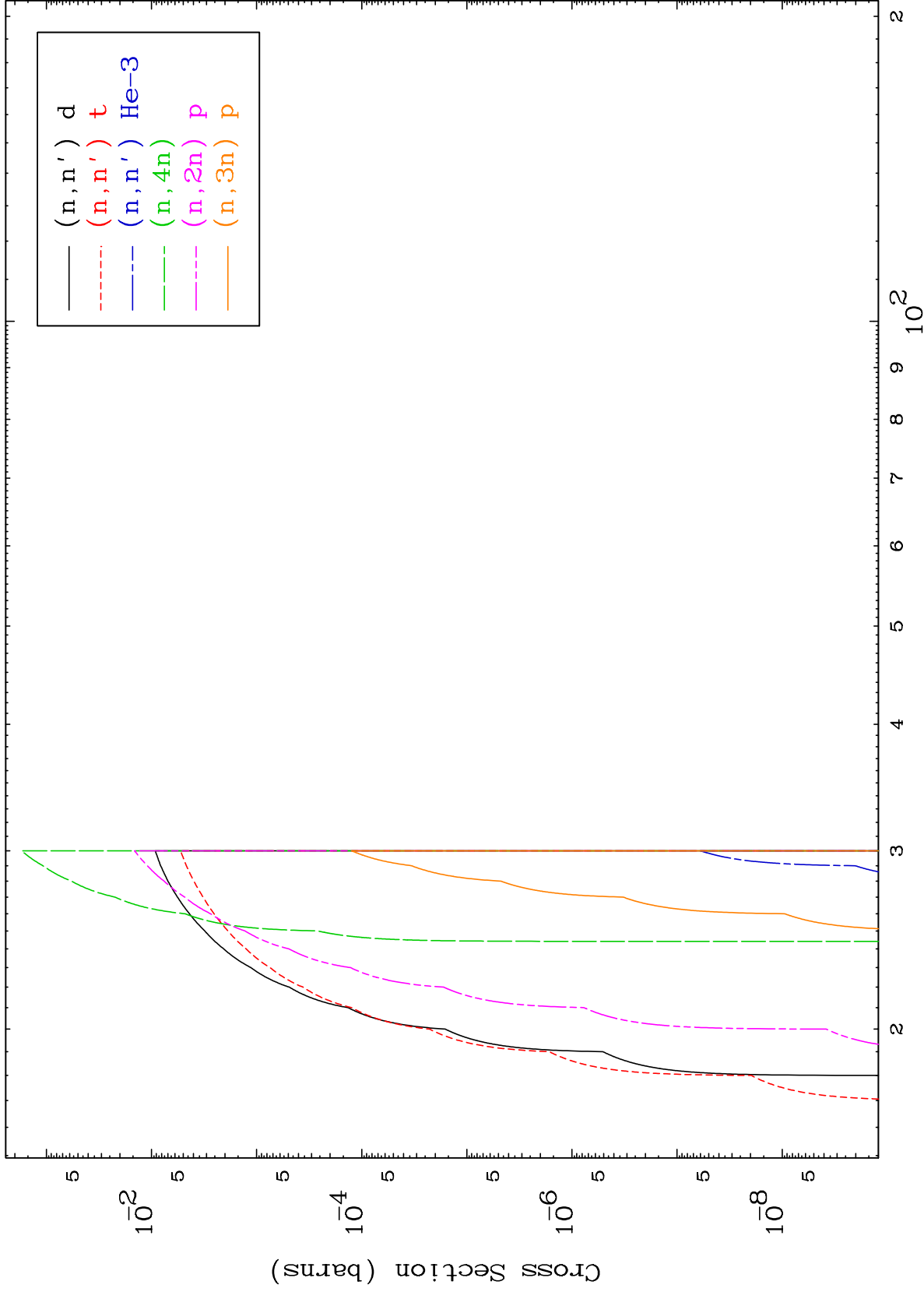
31-Ga-75



2

Incident Energy (MeV)

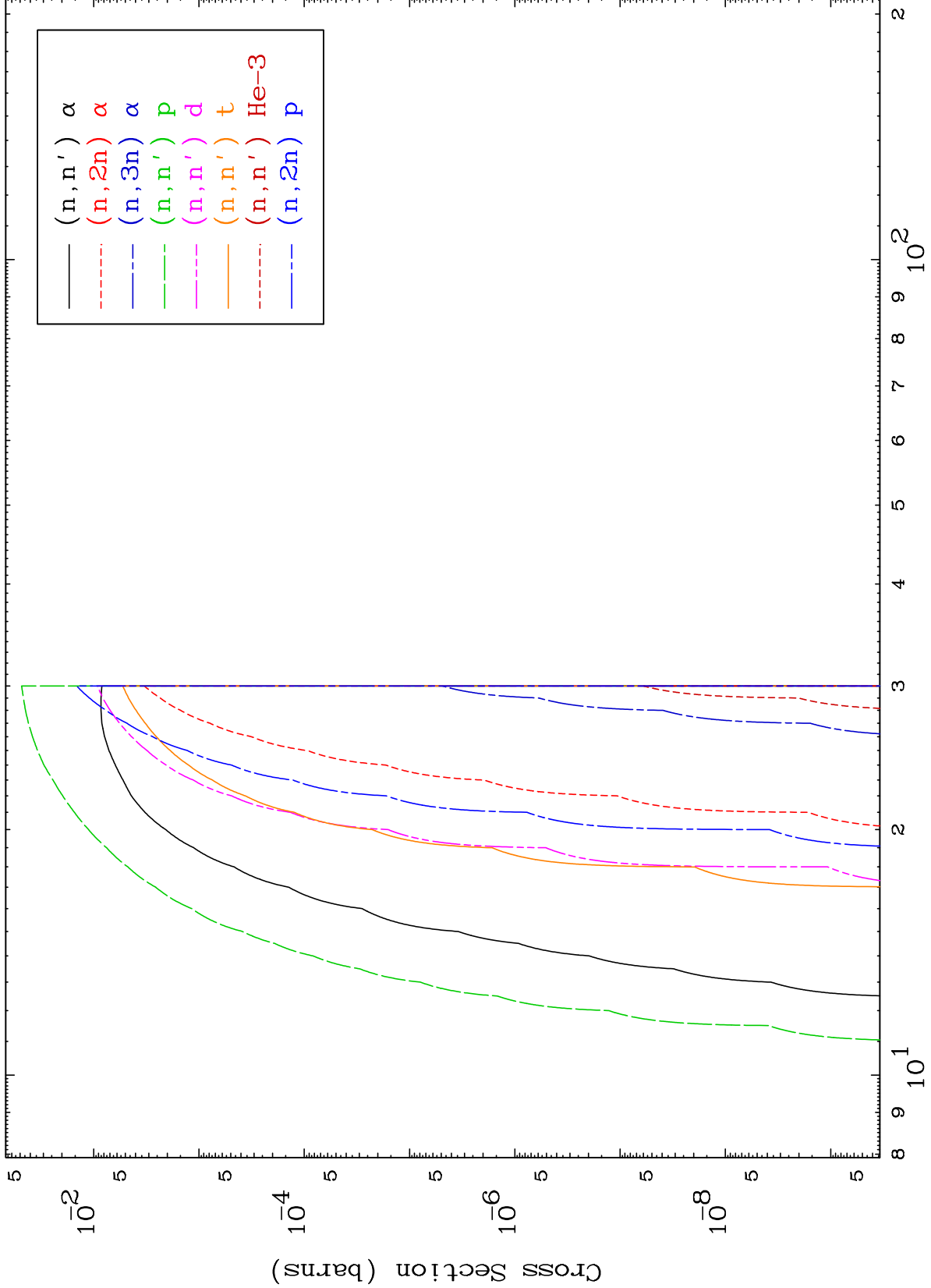
31-Ga-75



MAT 3143

Charged Particle
293 Kelvin Cross Sections

31-Ga-75



4

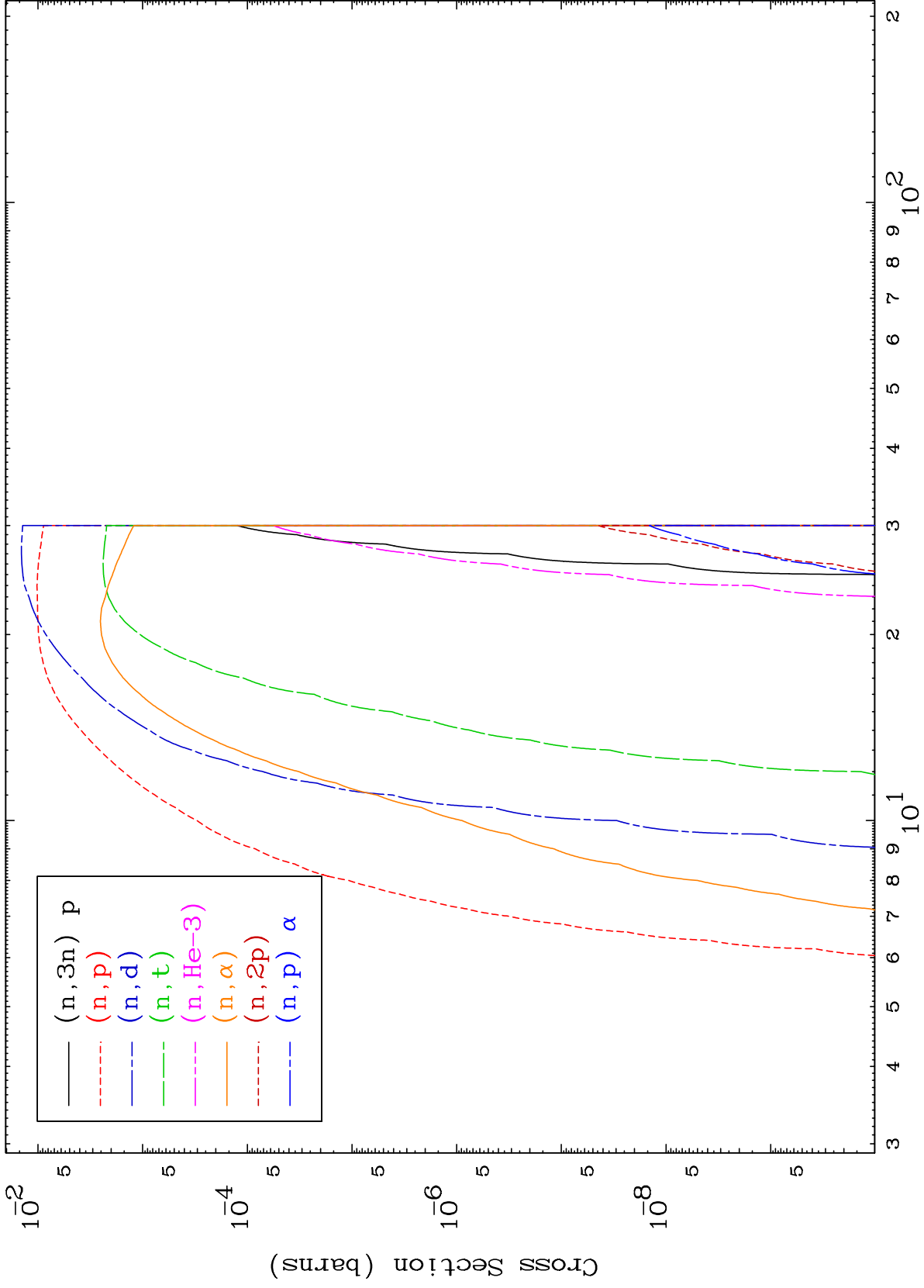
Incident Energy (MeV)

31-Ga-75

MAT 3143

Charged Particle
293 Kelvin Cross Sections

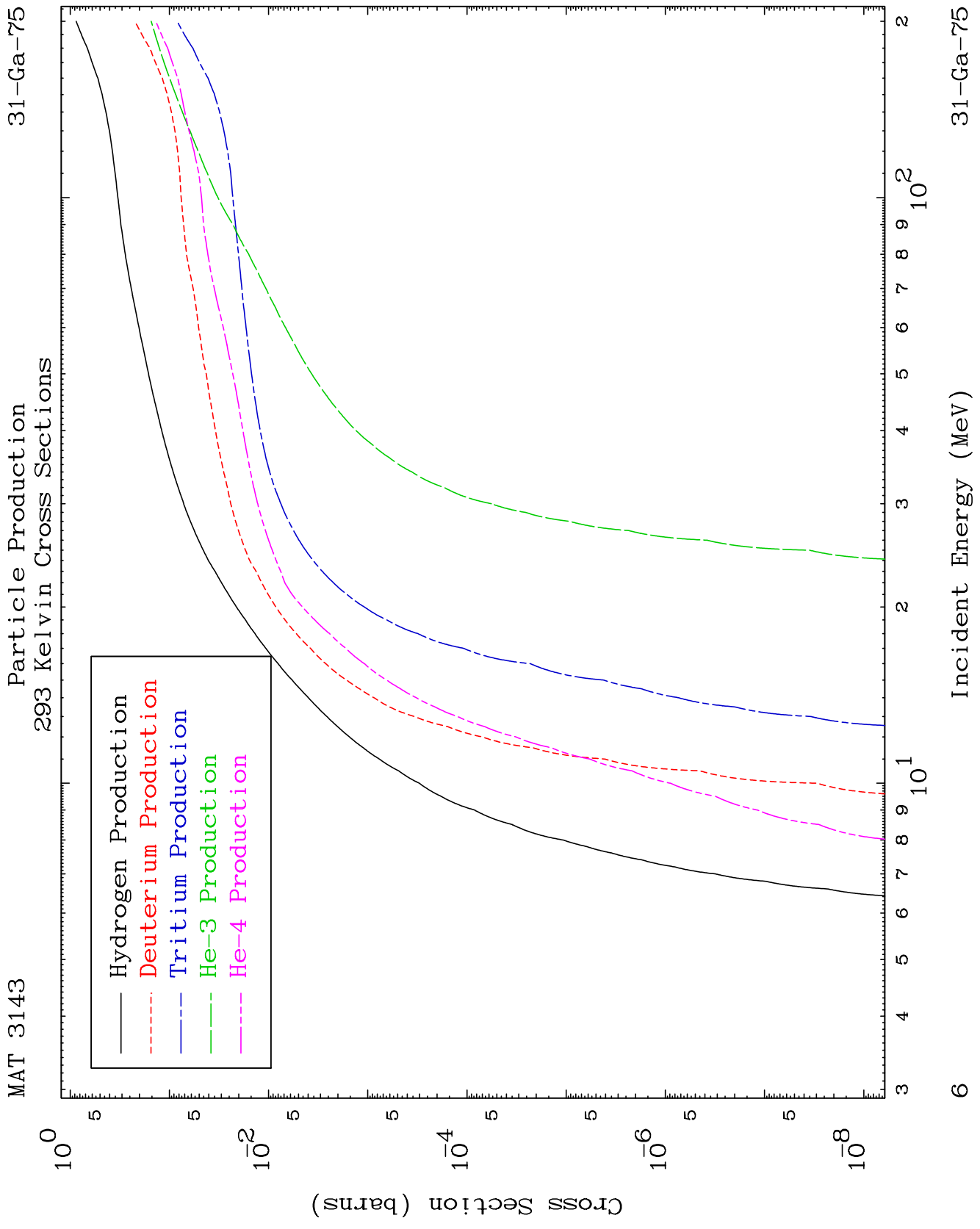
31-Ga-75



5

Incident Energy (MeV)

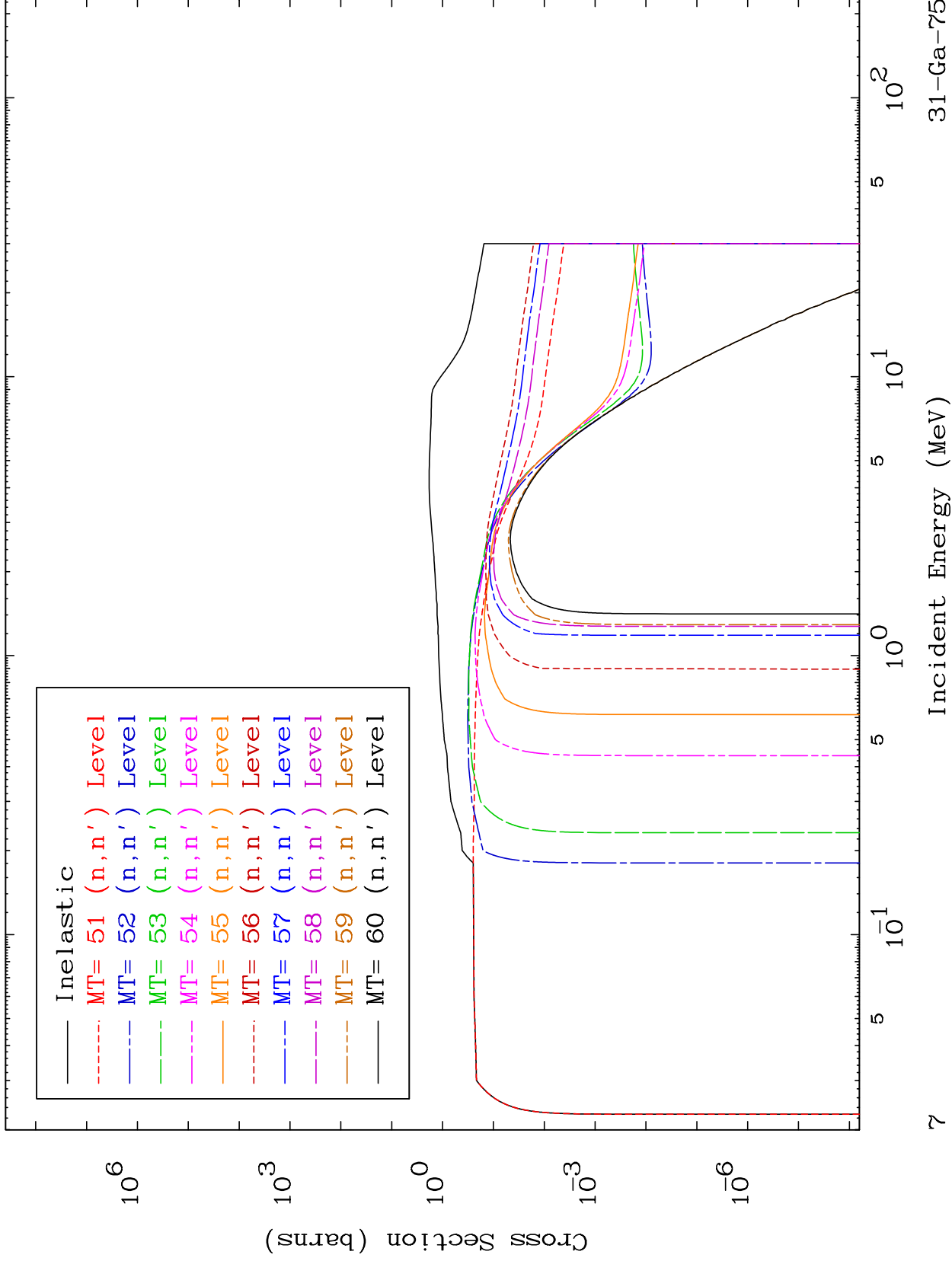
31-Ga-75



MAT 3143

(n,n') Level
293 Kelvin Cross Sections

31-Ga-75

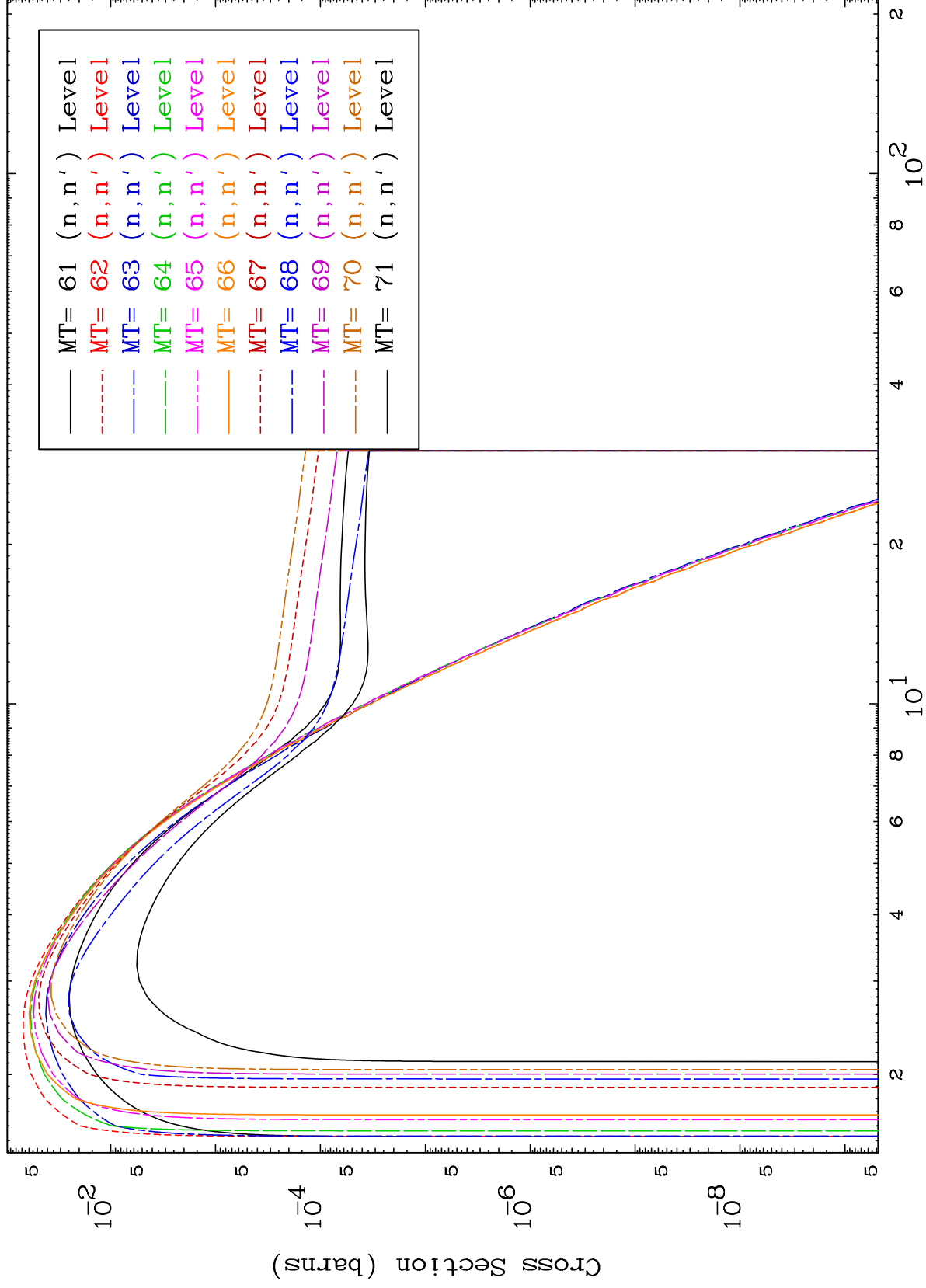


MAT 3143

(n,n') Level

31-Ga-75

293 Kelvin Cross Sections

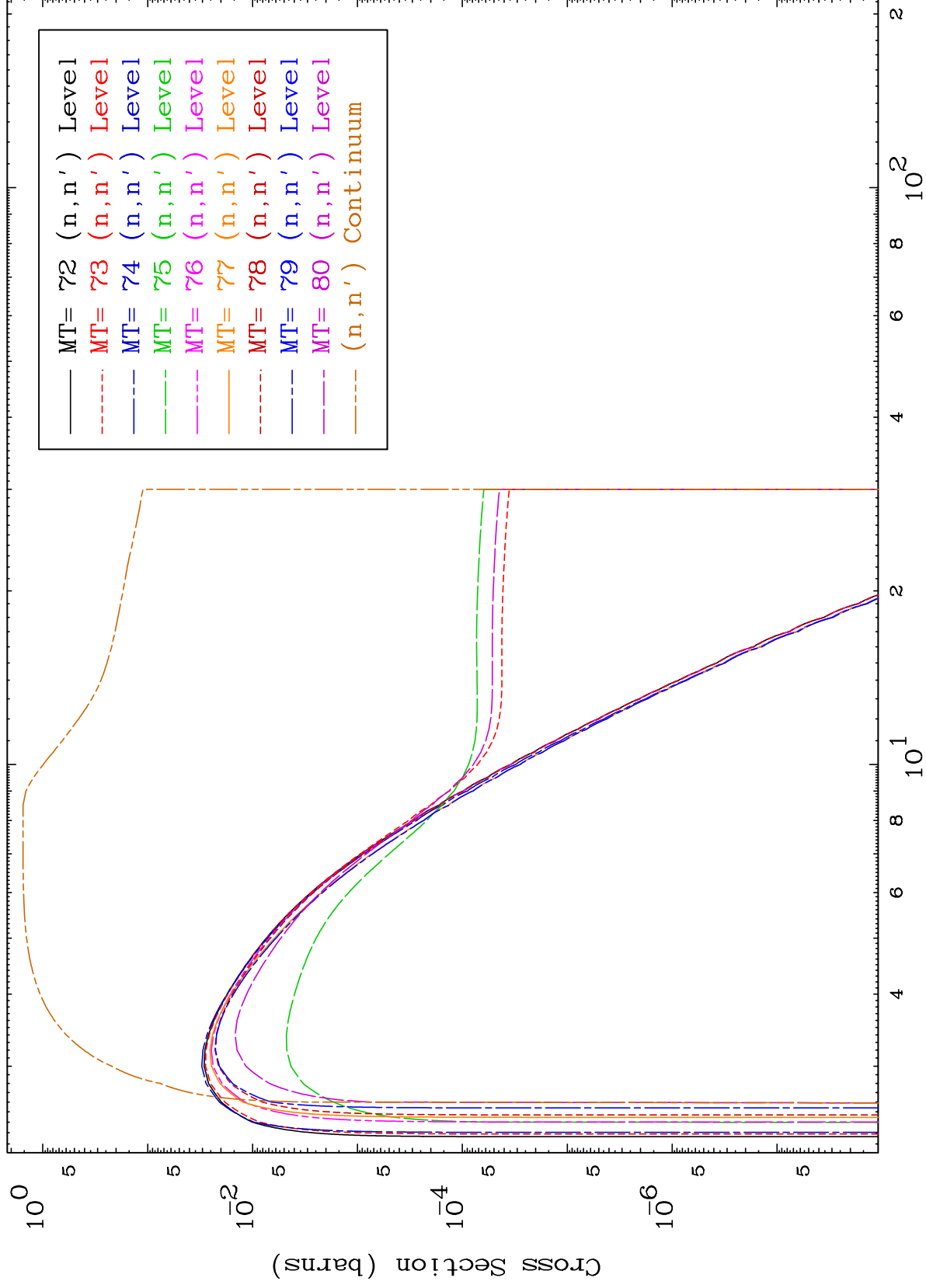


8

Incident Energy (MeV)

31-Ga-75

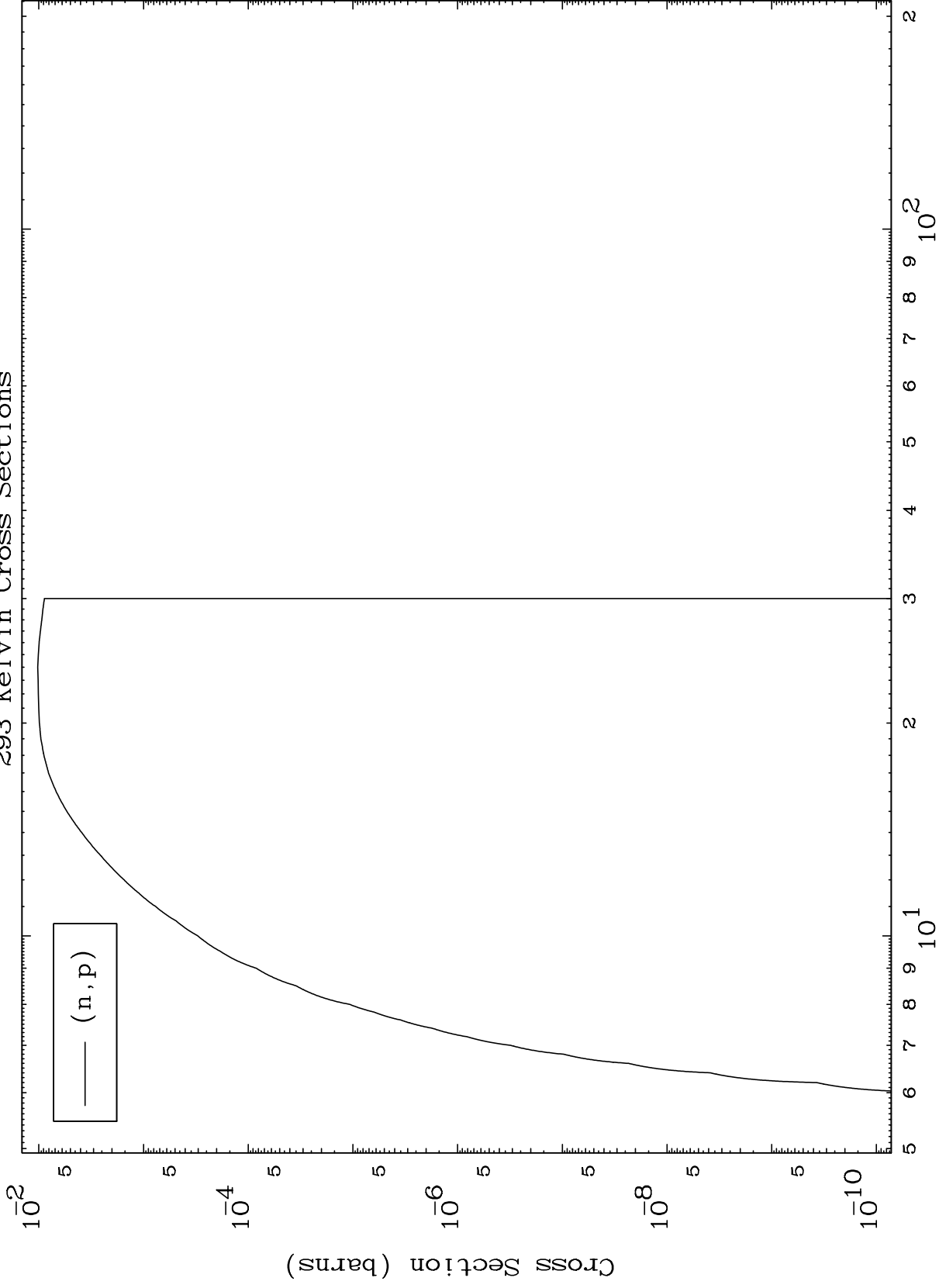
293 Kelvin Cross Sections



MAT 3143

(n,p) Levels
293 Kelvin Cross Sections

31-Ga-75



10

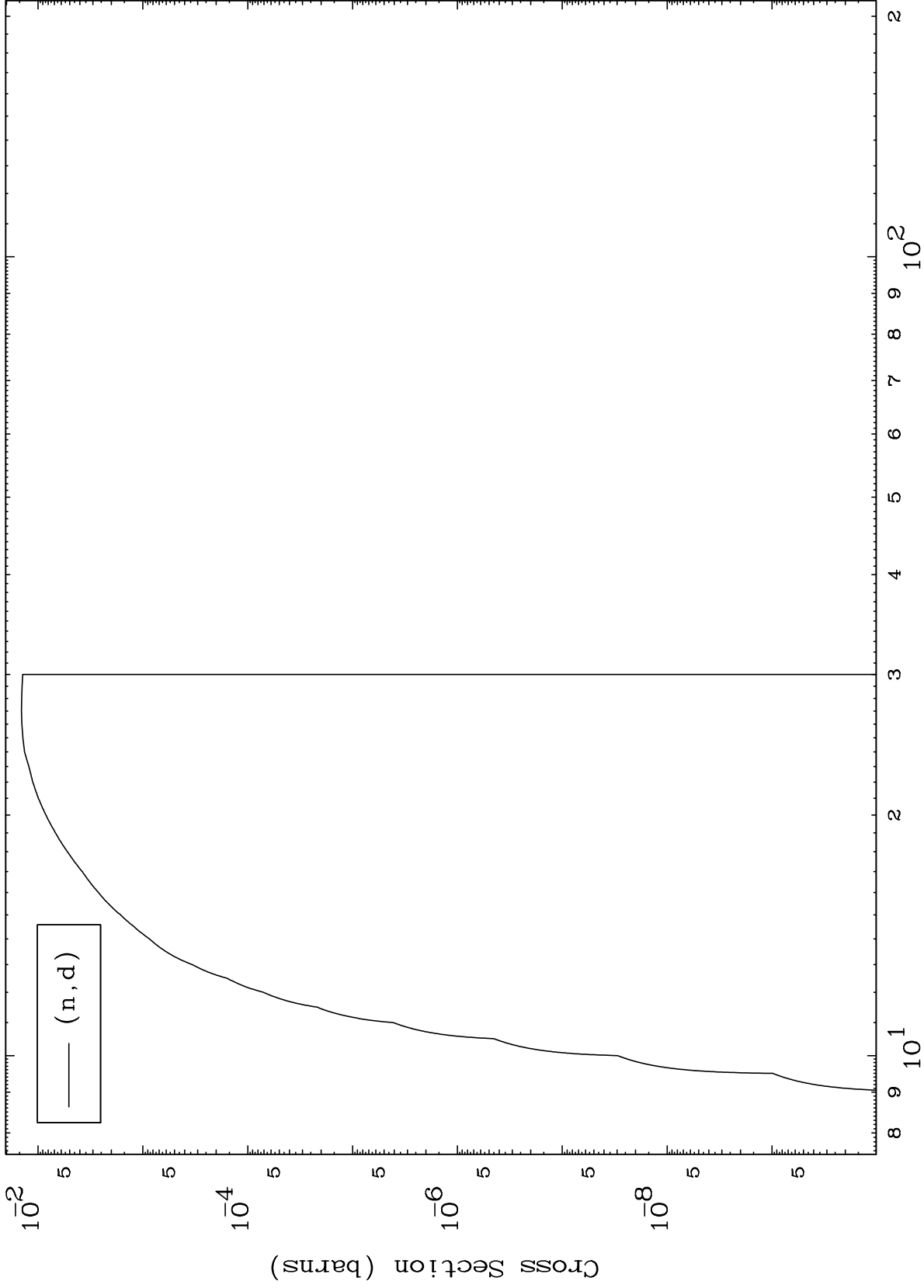
Incident Energy (MeV)

31-Ga-75

MAT 3143

(n,d) Levels
293 Kelvin Cross Sections

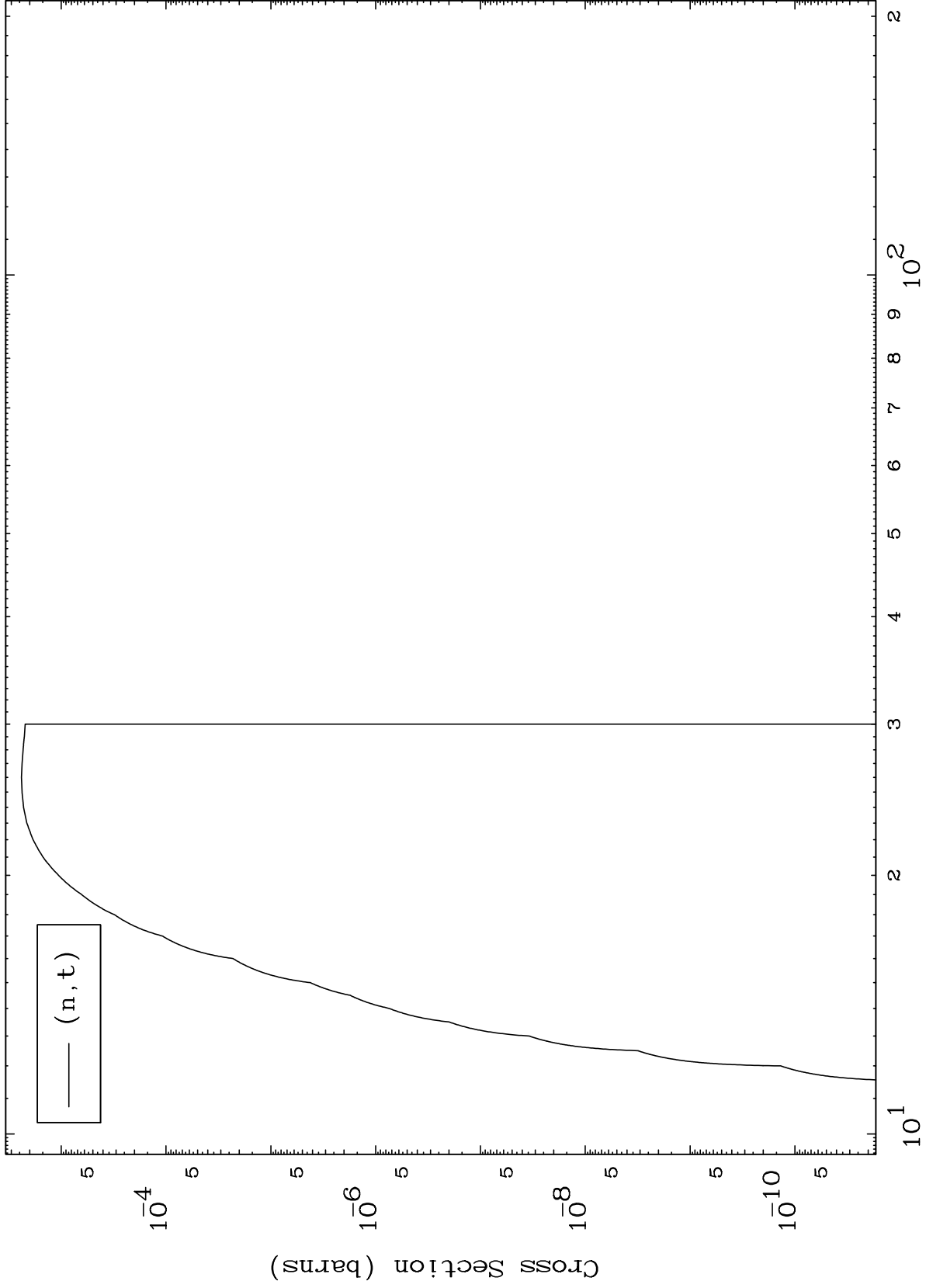
31-Ga-75



MAT 3143

(n,t) Levels
293 Kelvin Cross Sections

31-Ga-75



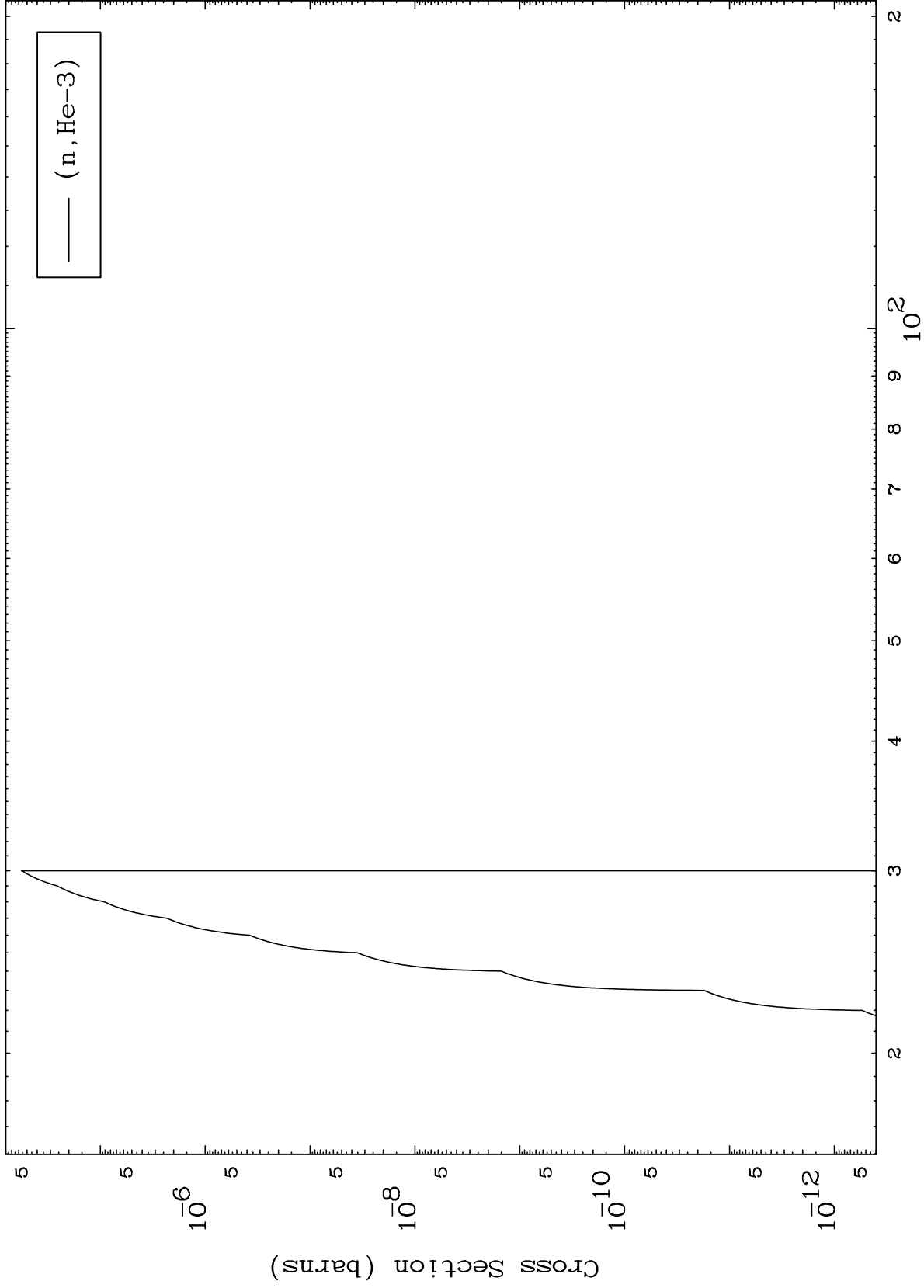
Incident Energy (MeV)

31-Ga-75

MAT 3143

(n,He3) Levels
293 Kelvin Cross Sections

31-Ga-75



13

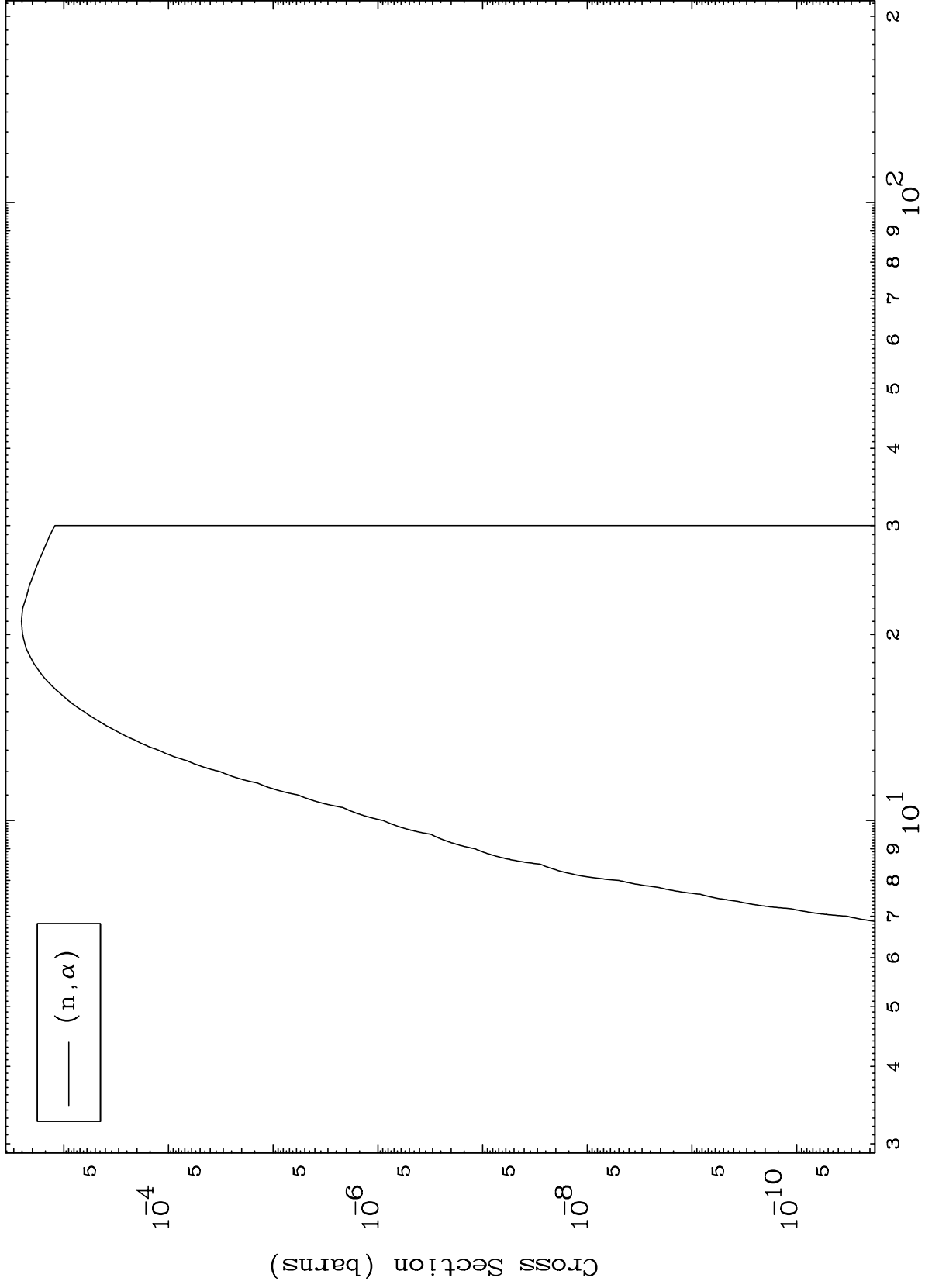
Incident Energy (MeV)

31-Ga-75

MAT 3143

(n, α) Levels
293 Kelvin Cross Sections

31-Ga-75



14

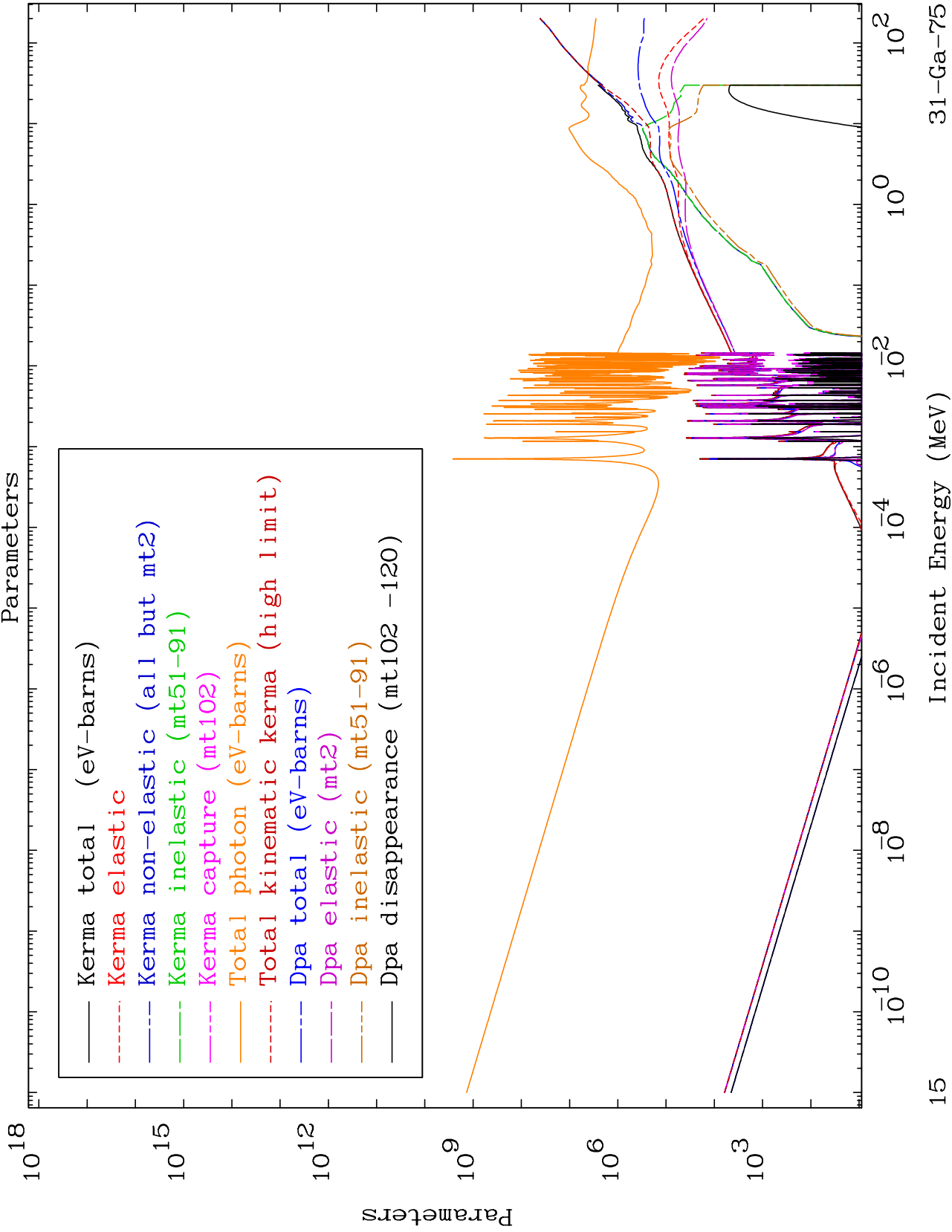
Incident Energy (MeV)

31-Ga-75

MAT 3143

Energy Release
Parameters

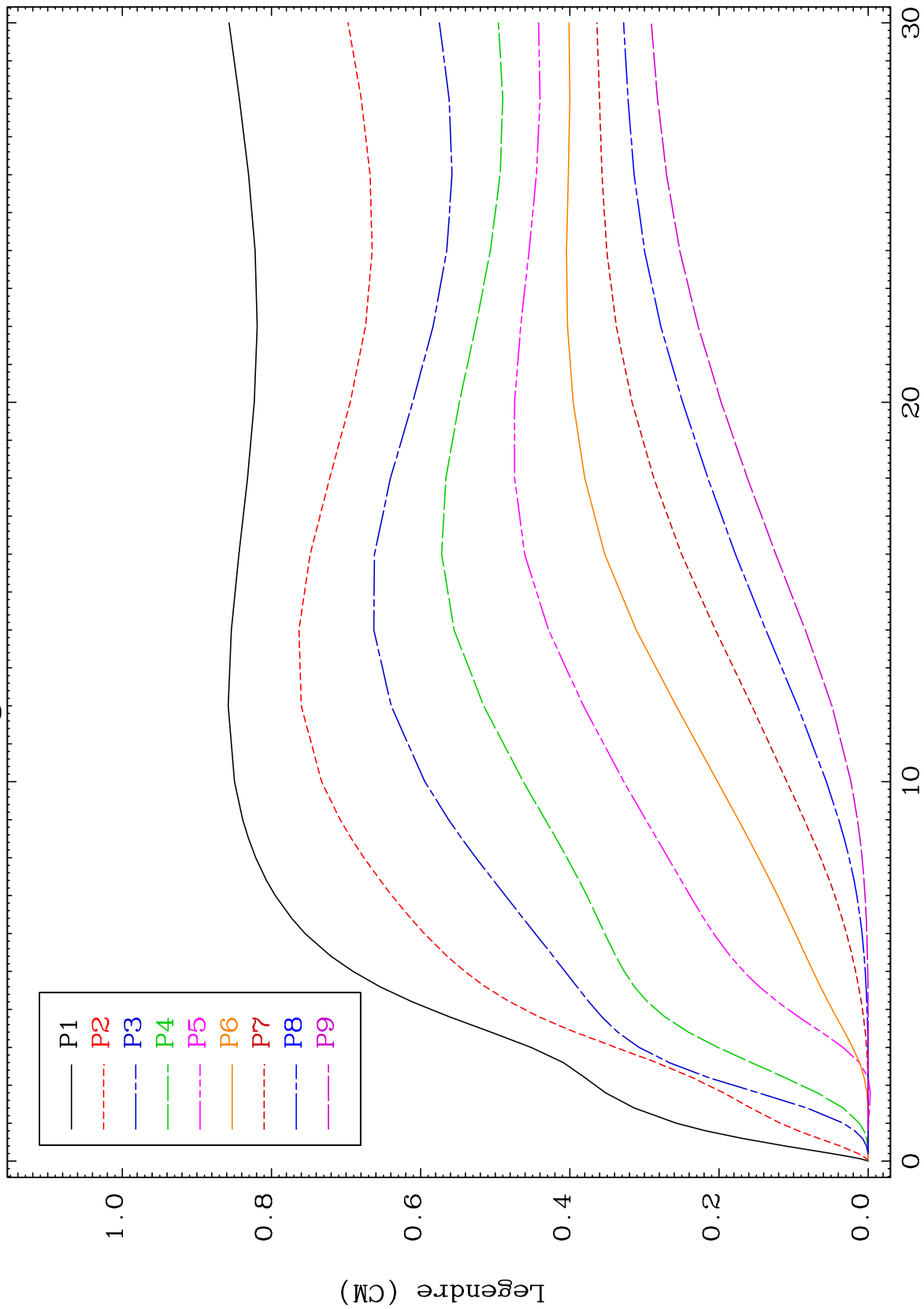
31-Ga-75



MAT 3143

Elastic Legendre Coefficients

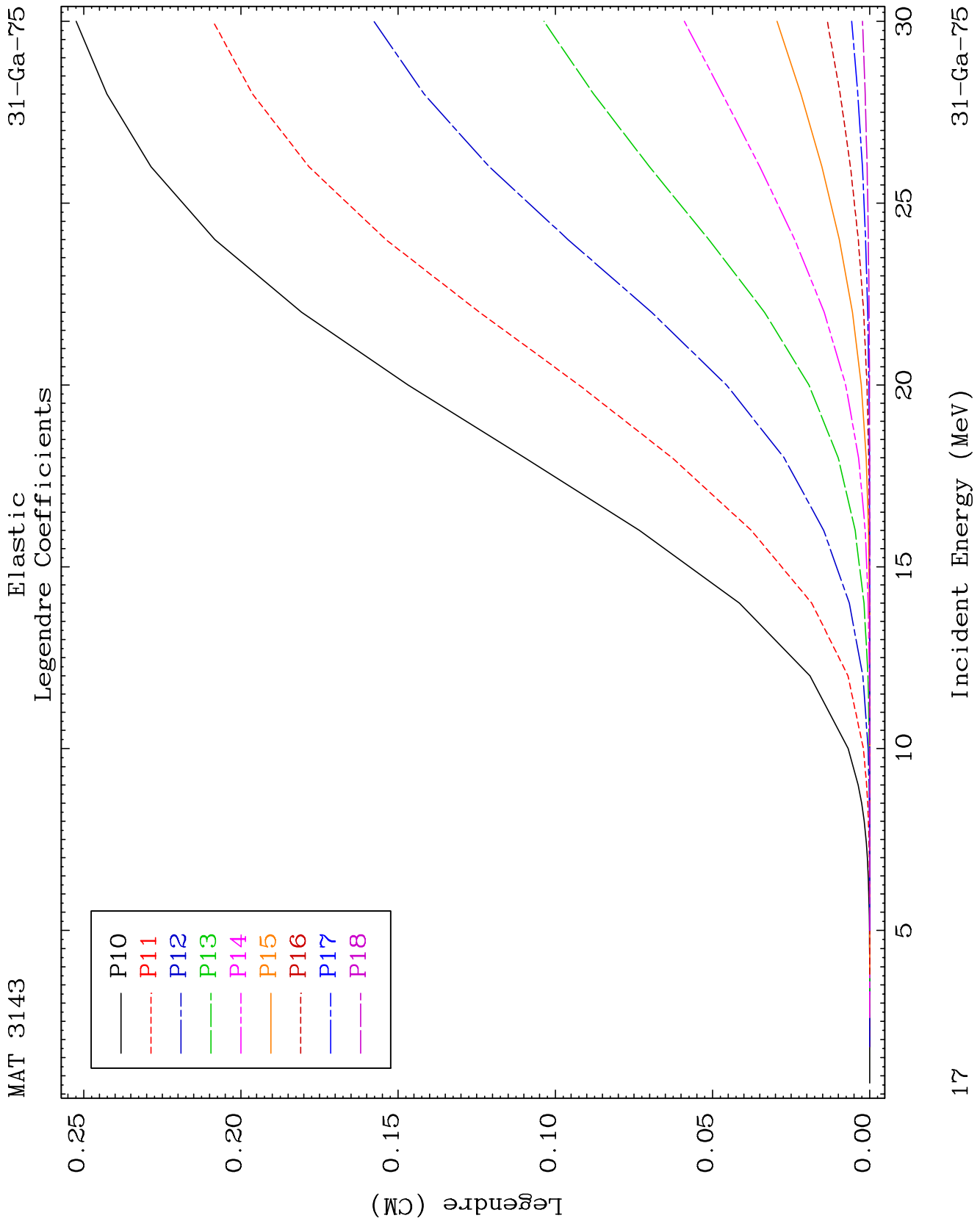
³¹Ga-75



16

Incident Energy (MeV)

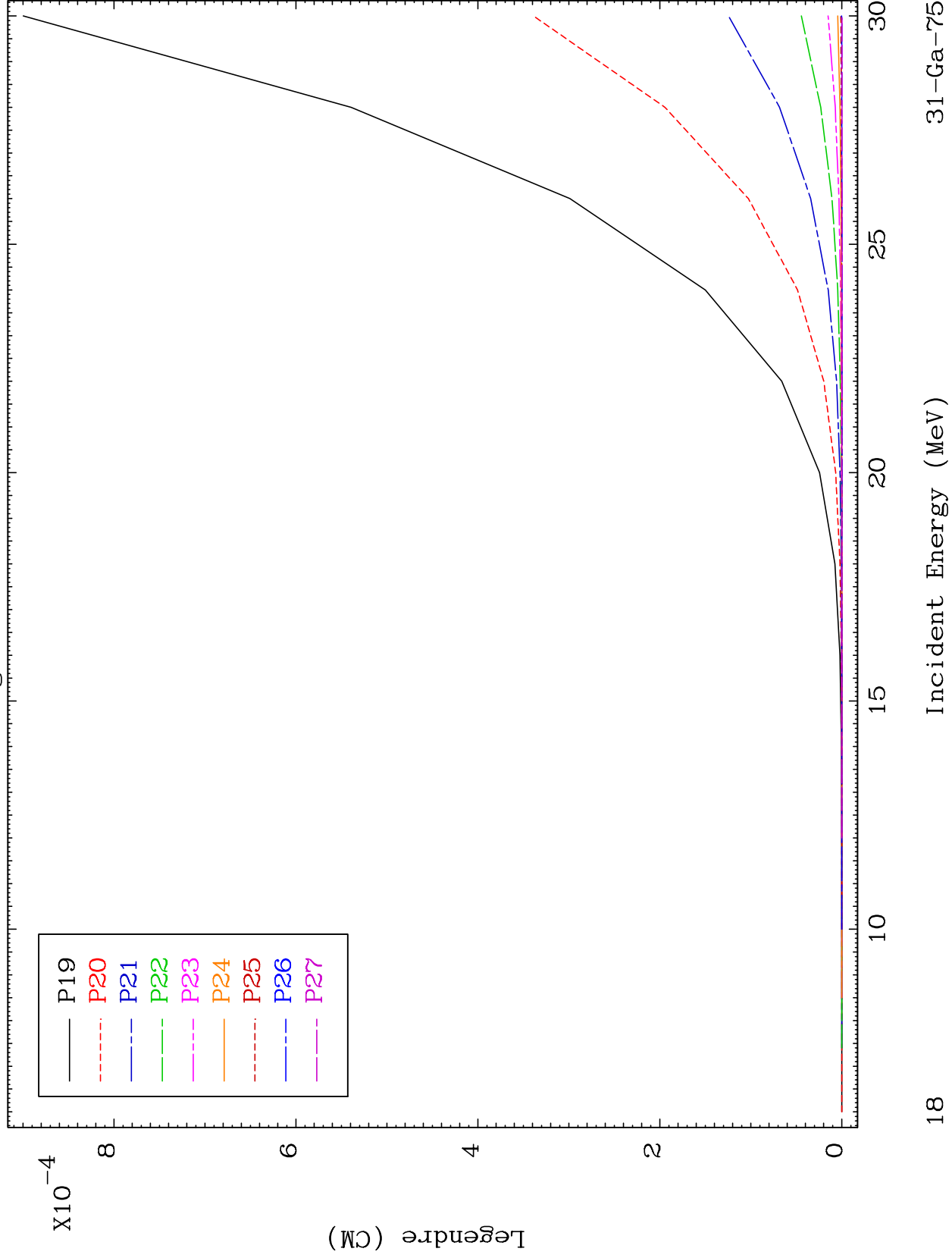
³¹Ga-75



MAT 3143

Elastic
Legendre Coefficients

31-Ga-75



18

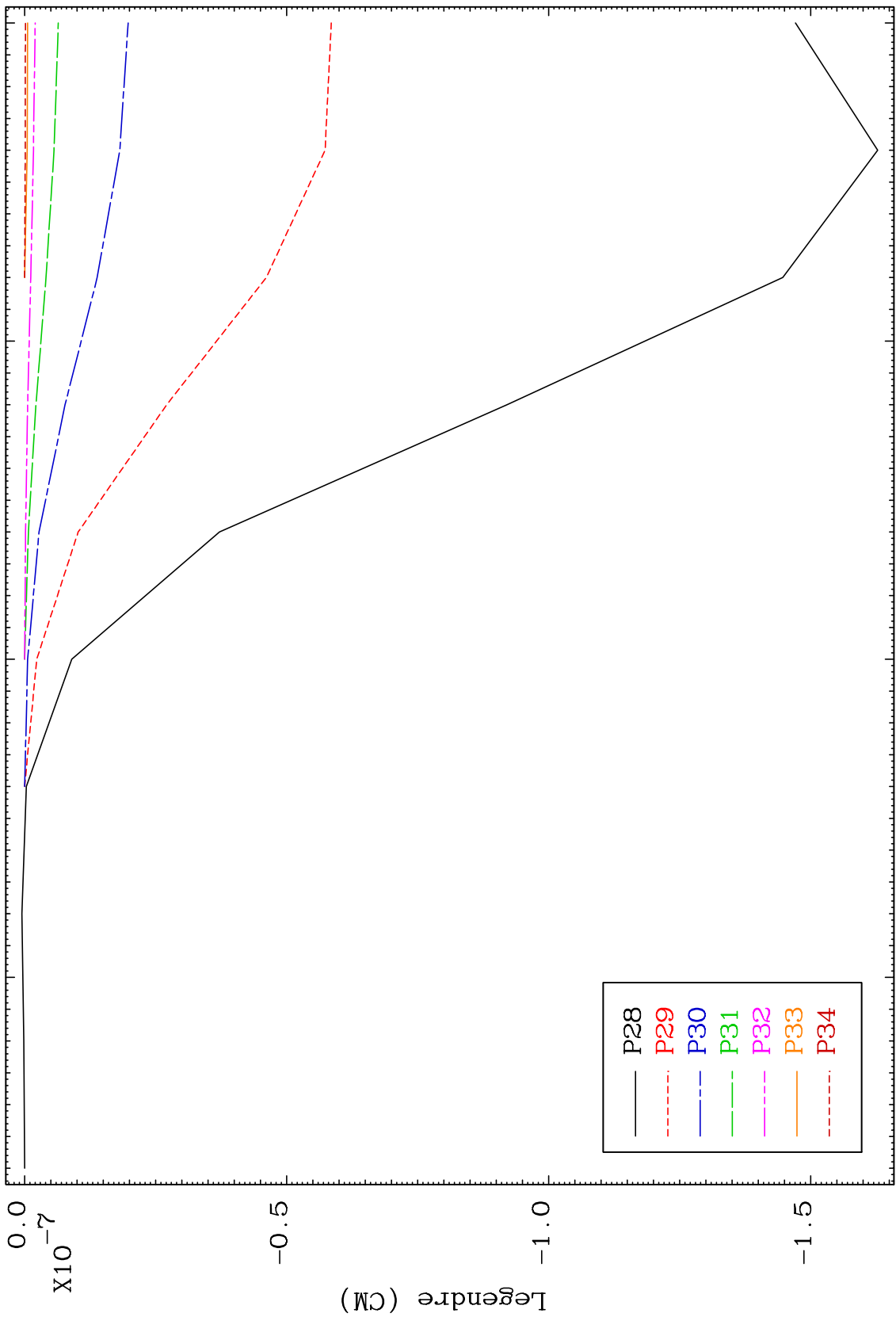
Incident Energy (MeV)

31-Ga-75

MAT 3143

31-Ga-75

Elastic Legendre Coefficients

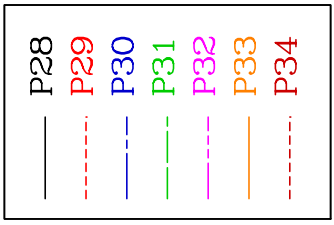


Legendre (CM)
X10⁻⁷

Incident Energy (MeV)

31-Ga-75

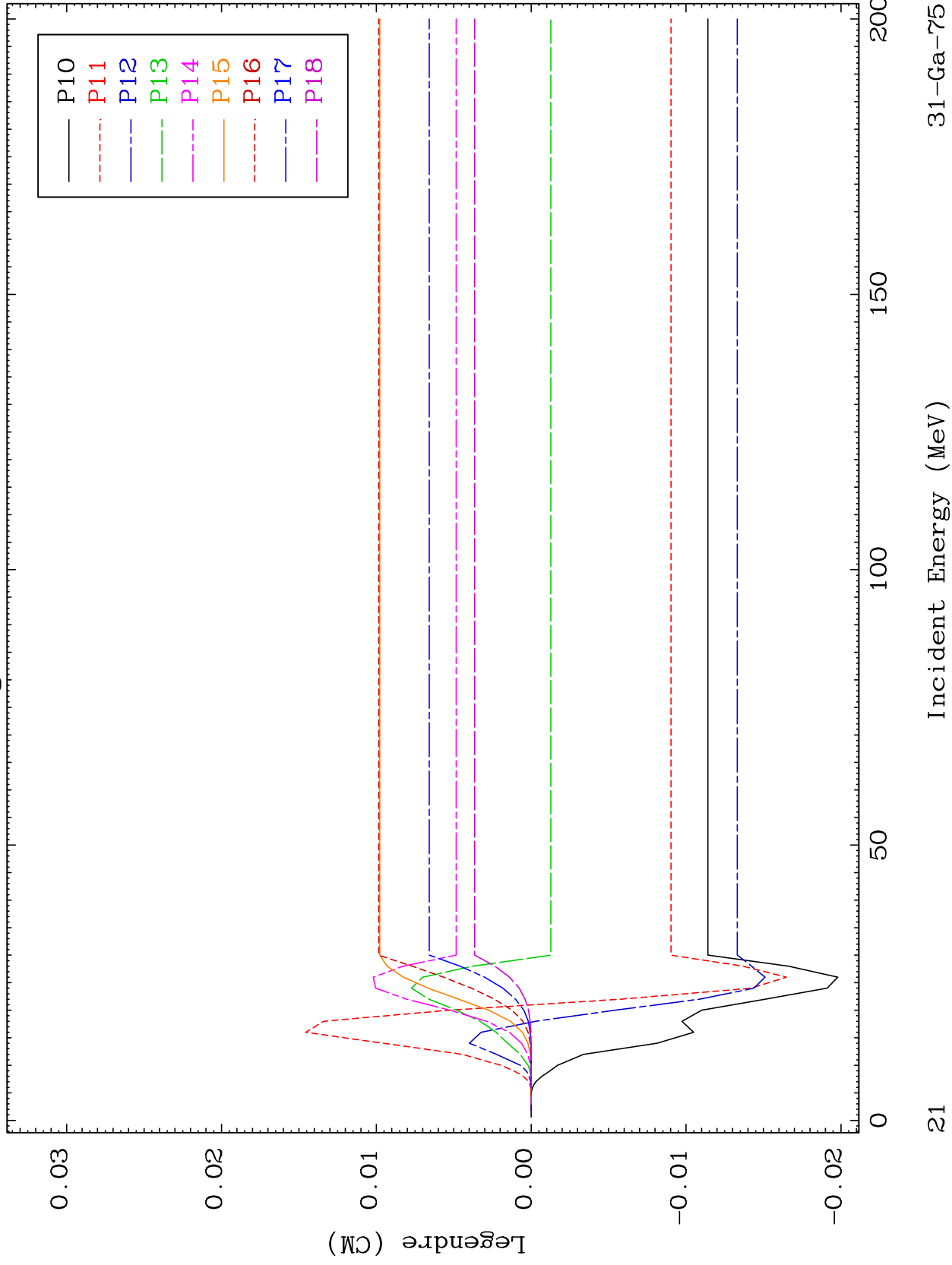
19



MAT 3143

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

31-Ga-75



21

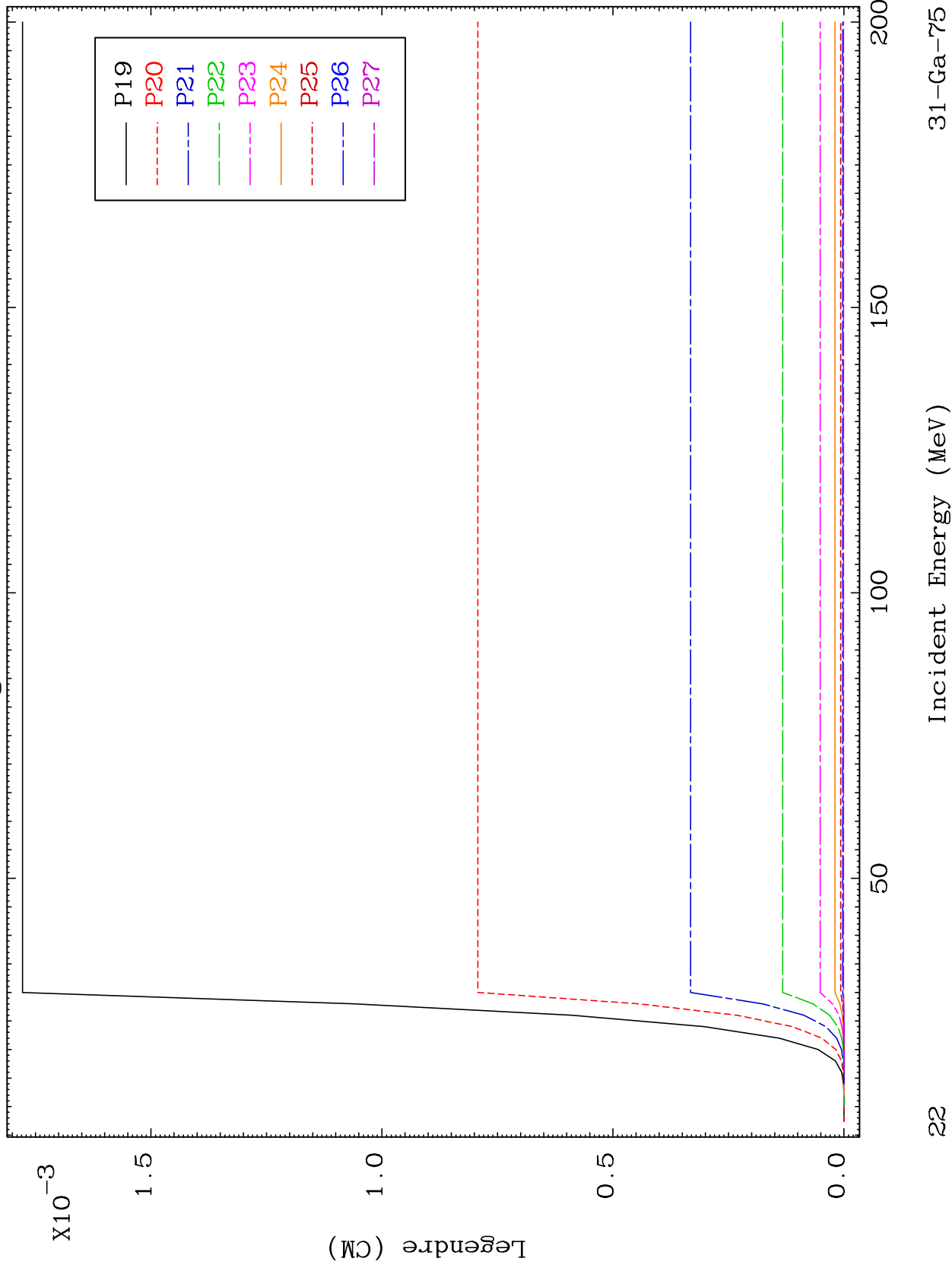
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



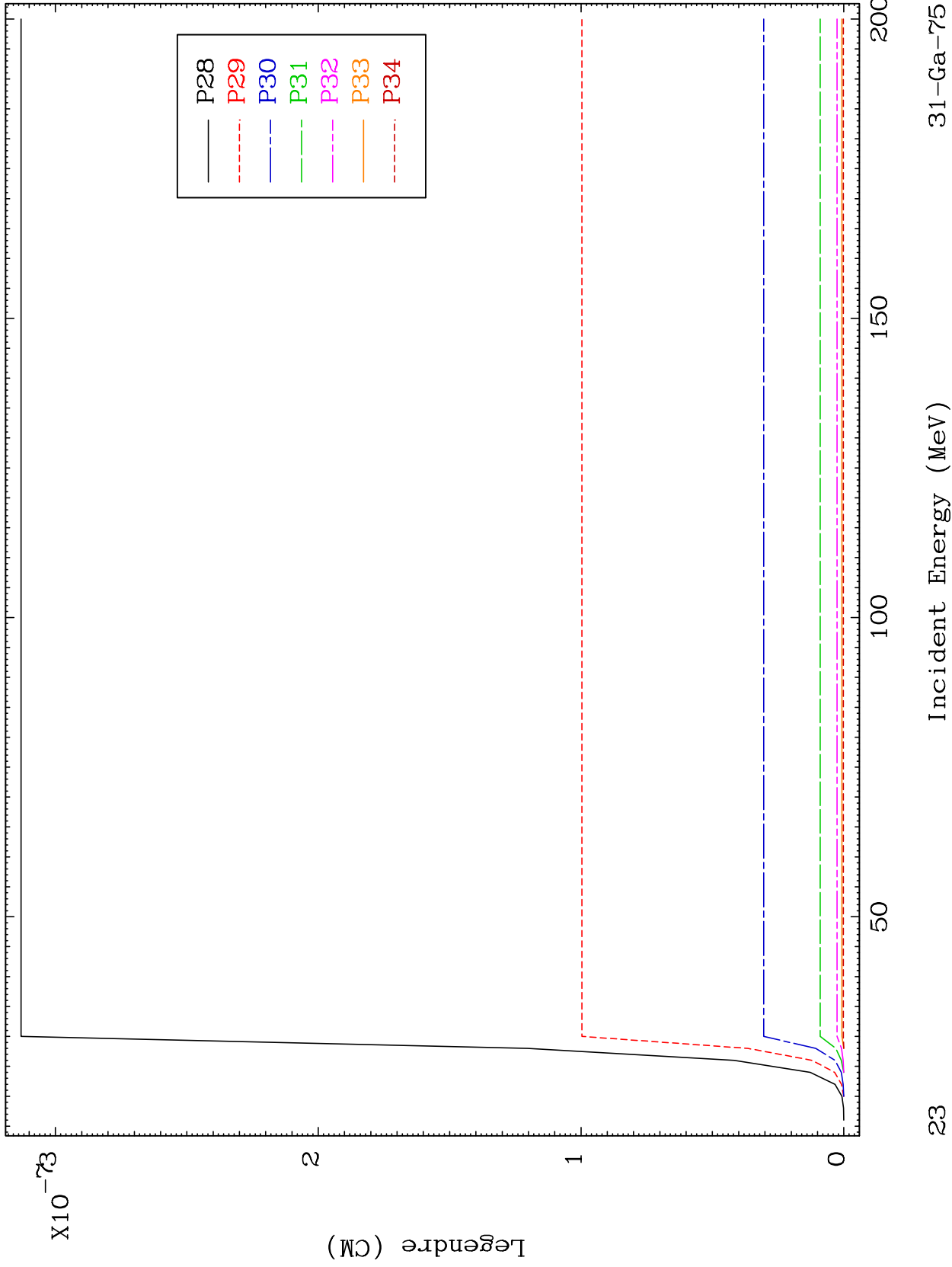
22

31-Ga-75

MAT 3143

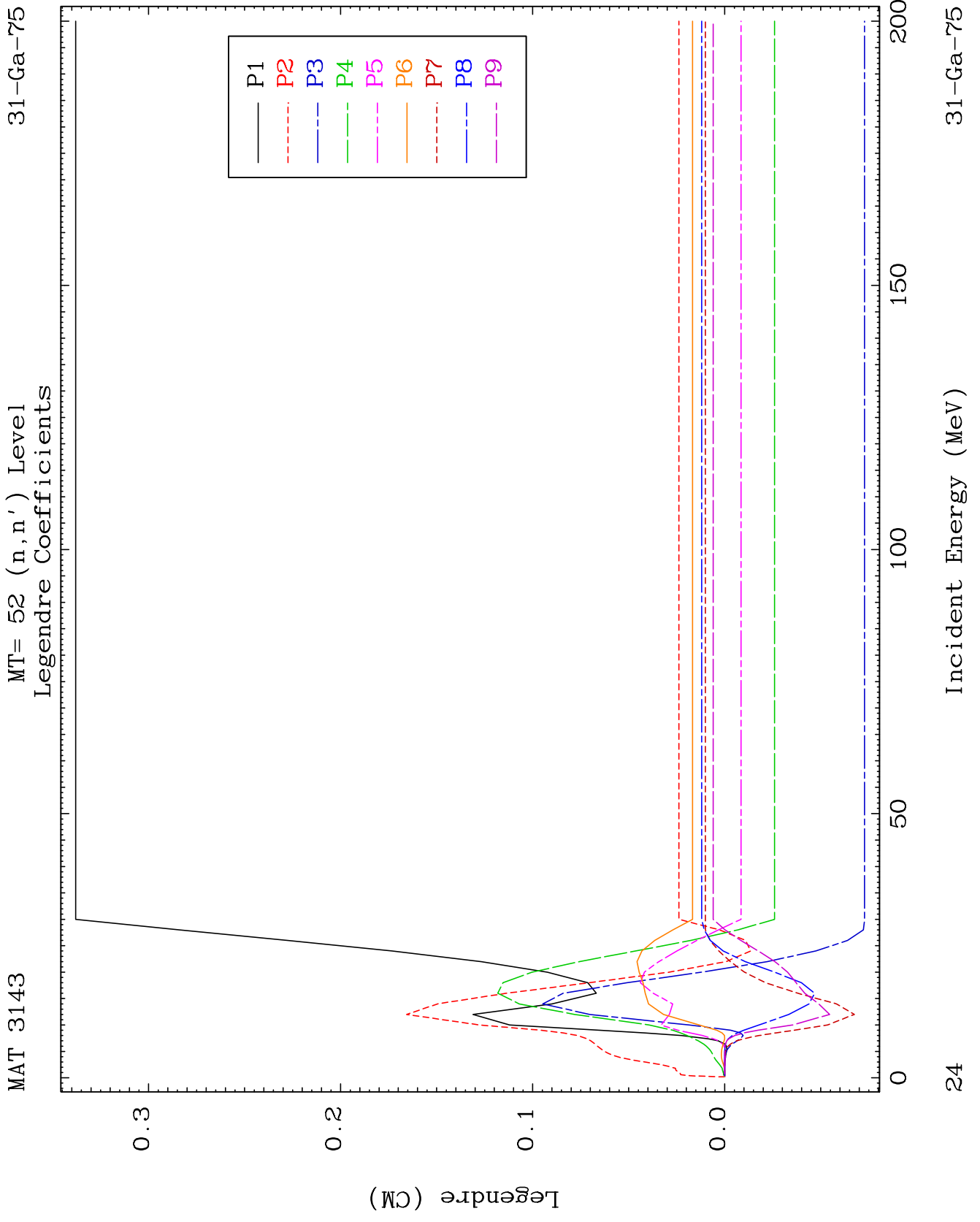
MT= 51 (n,n') Level
Legendre Coefficients

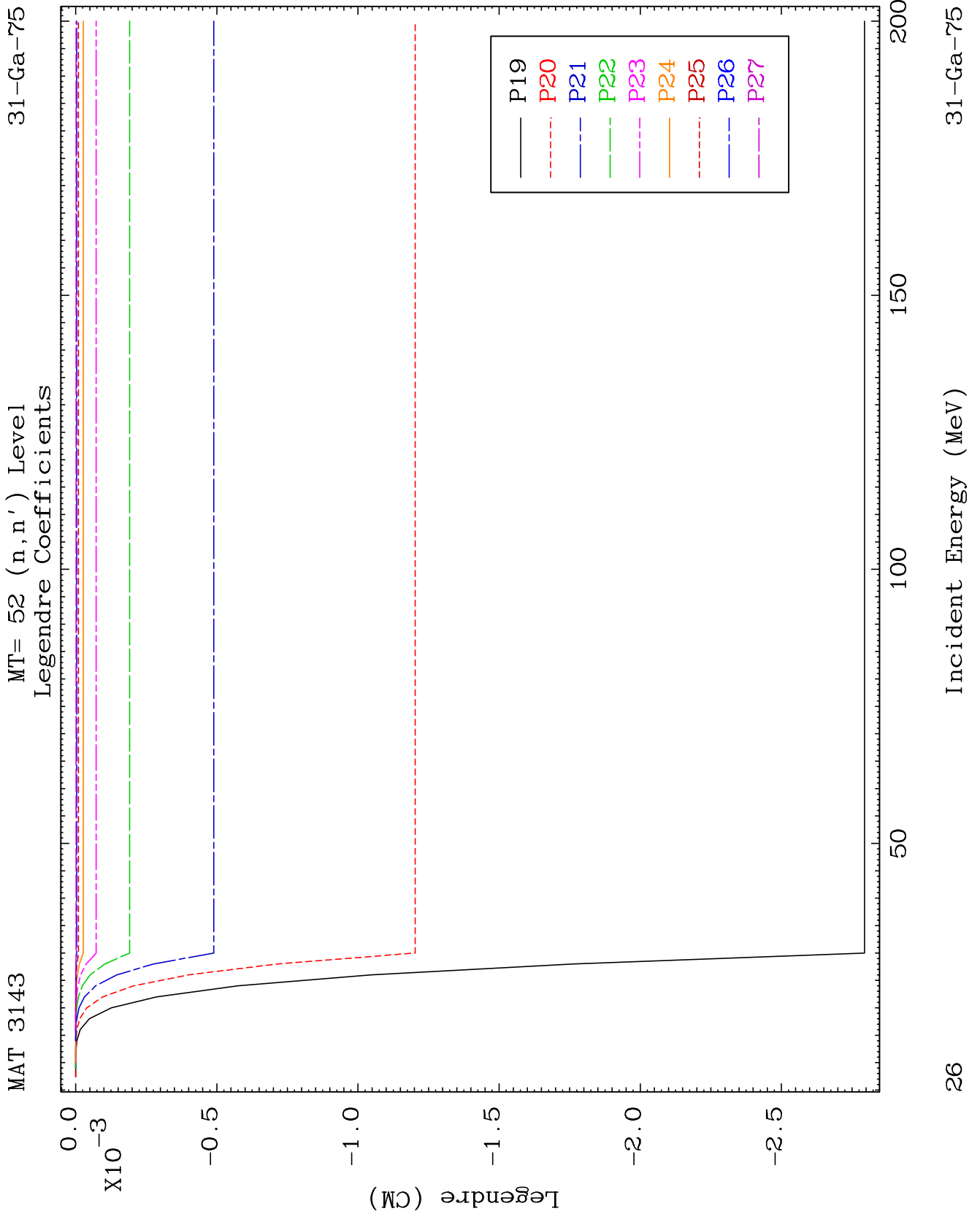
31-Ga-75

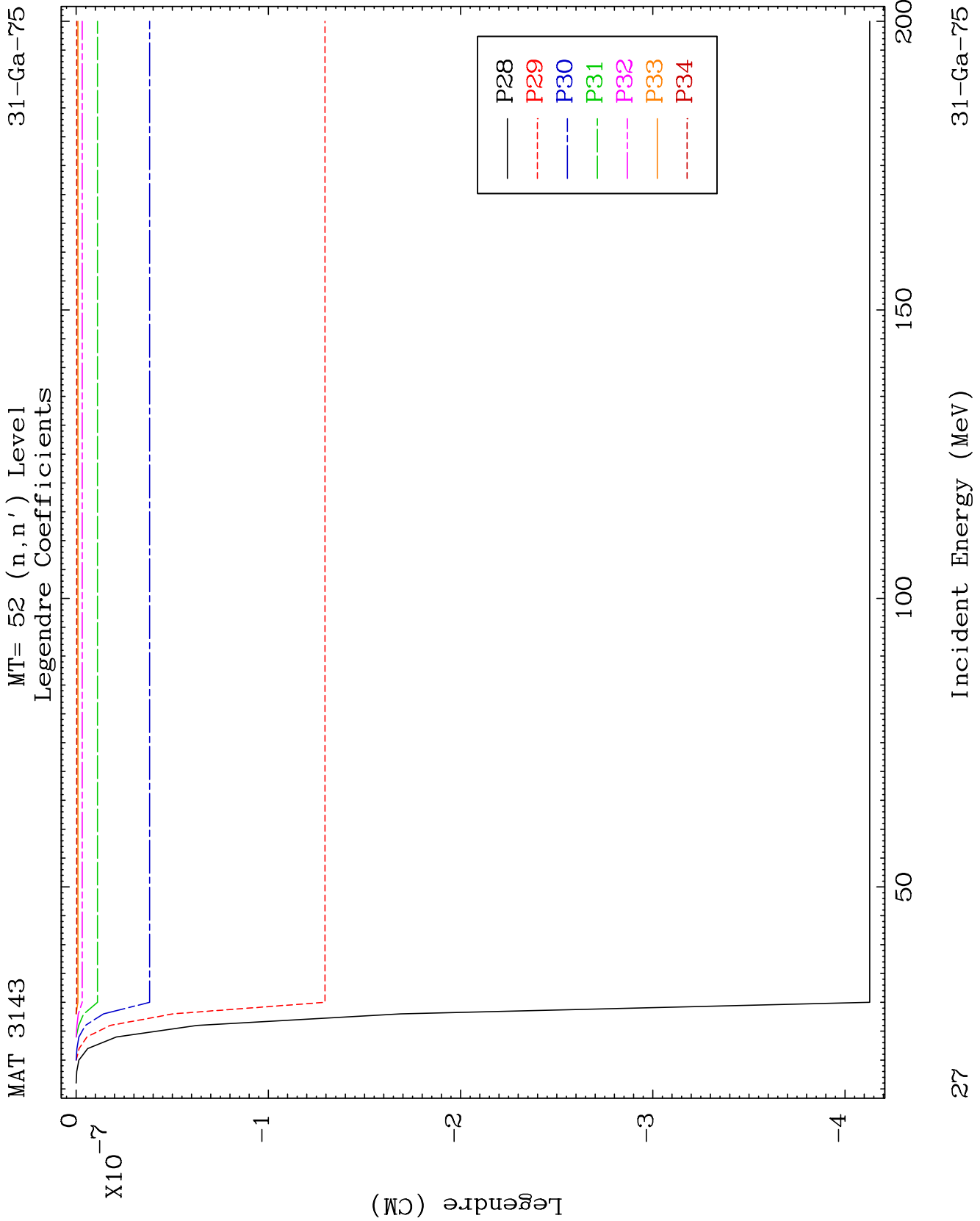


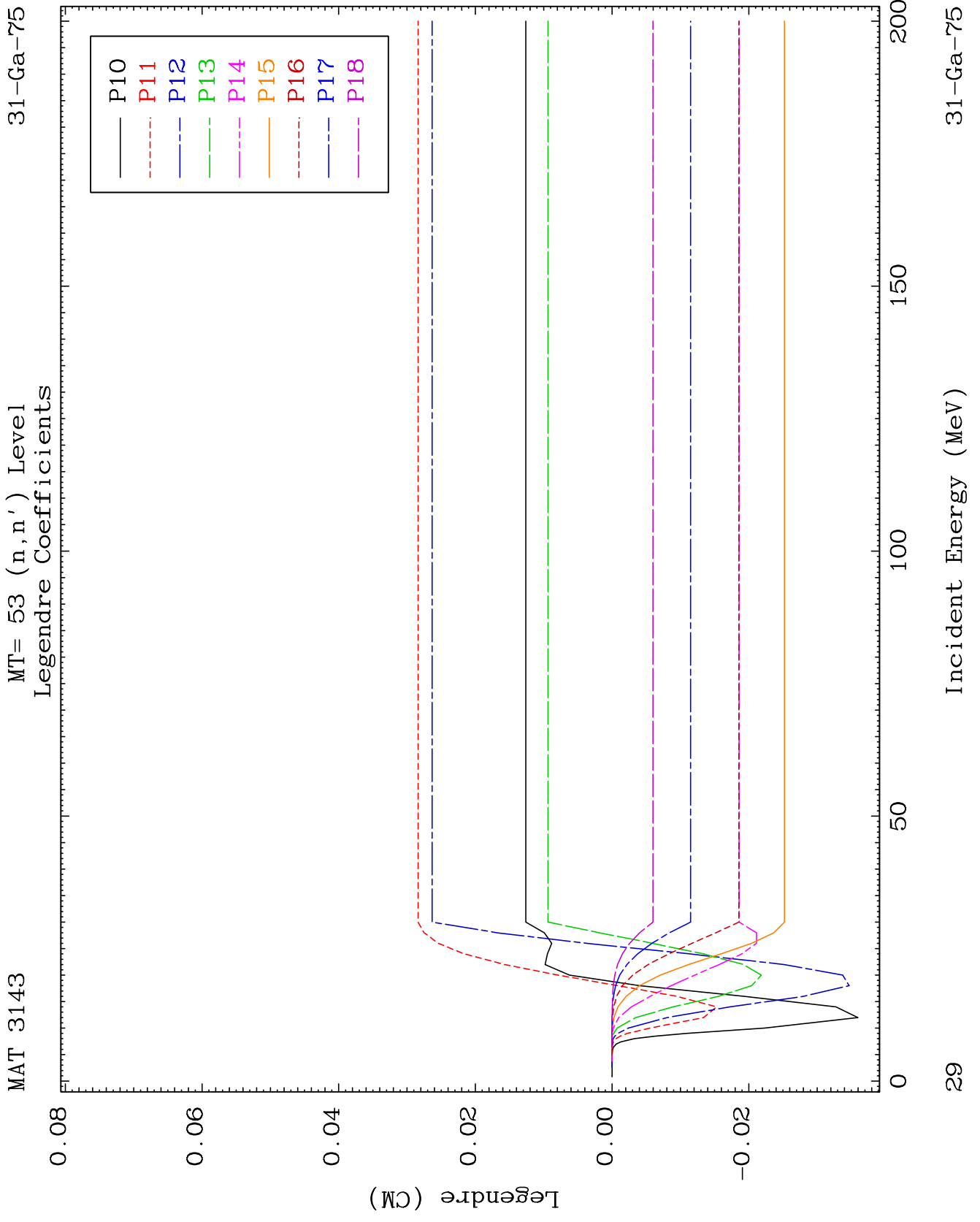
23

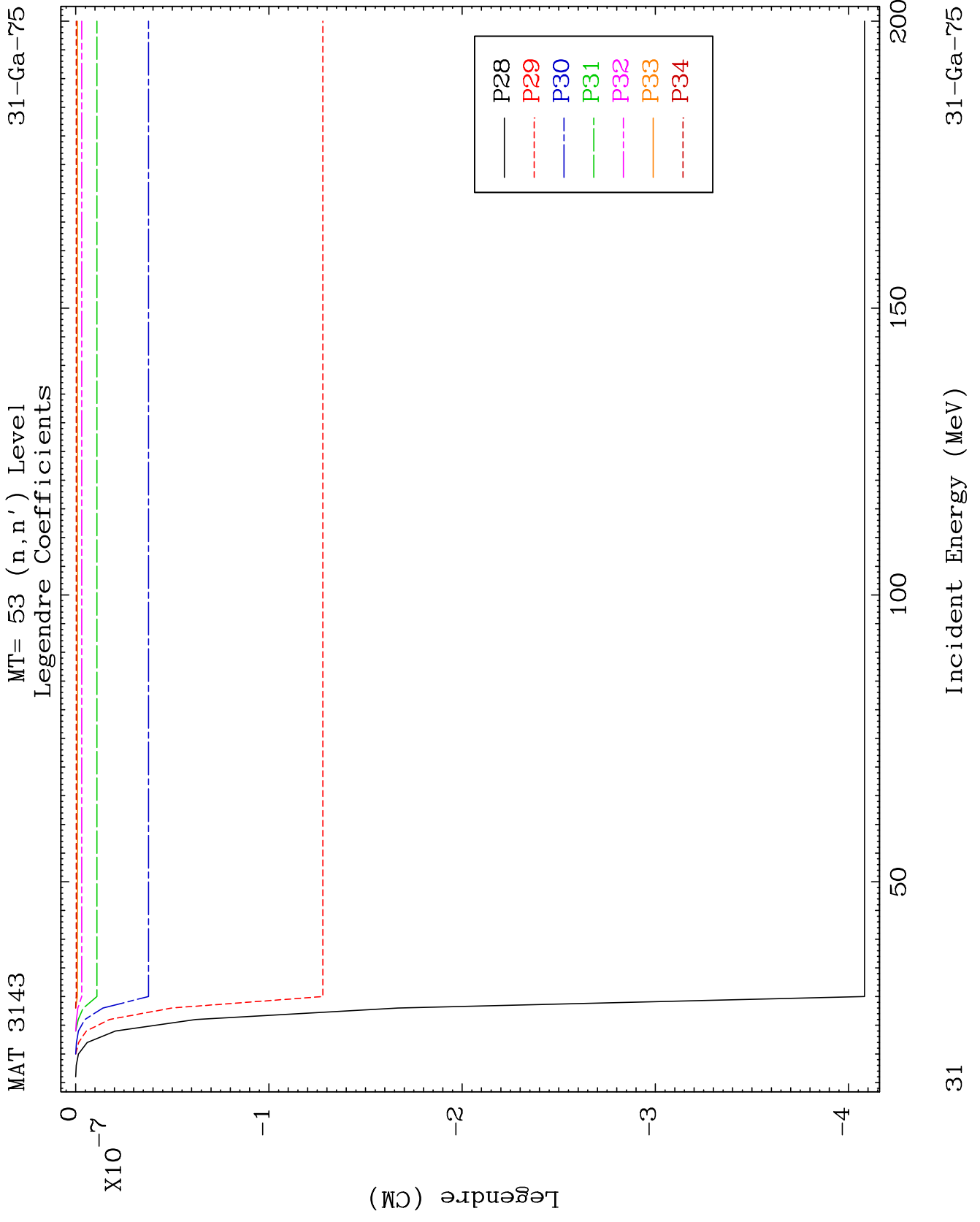
31-Ga-75

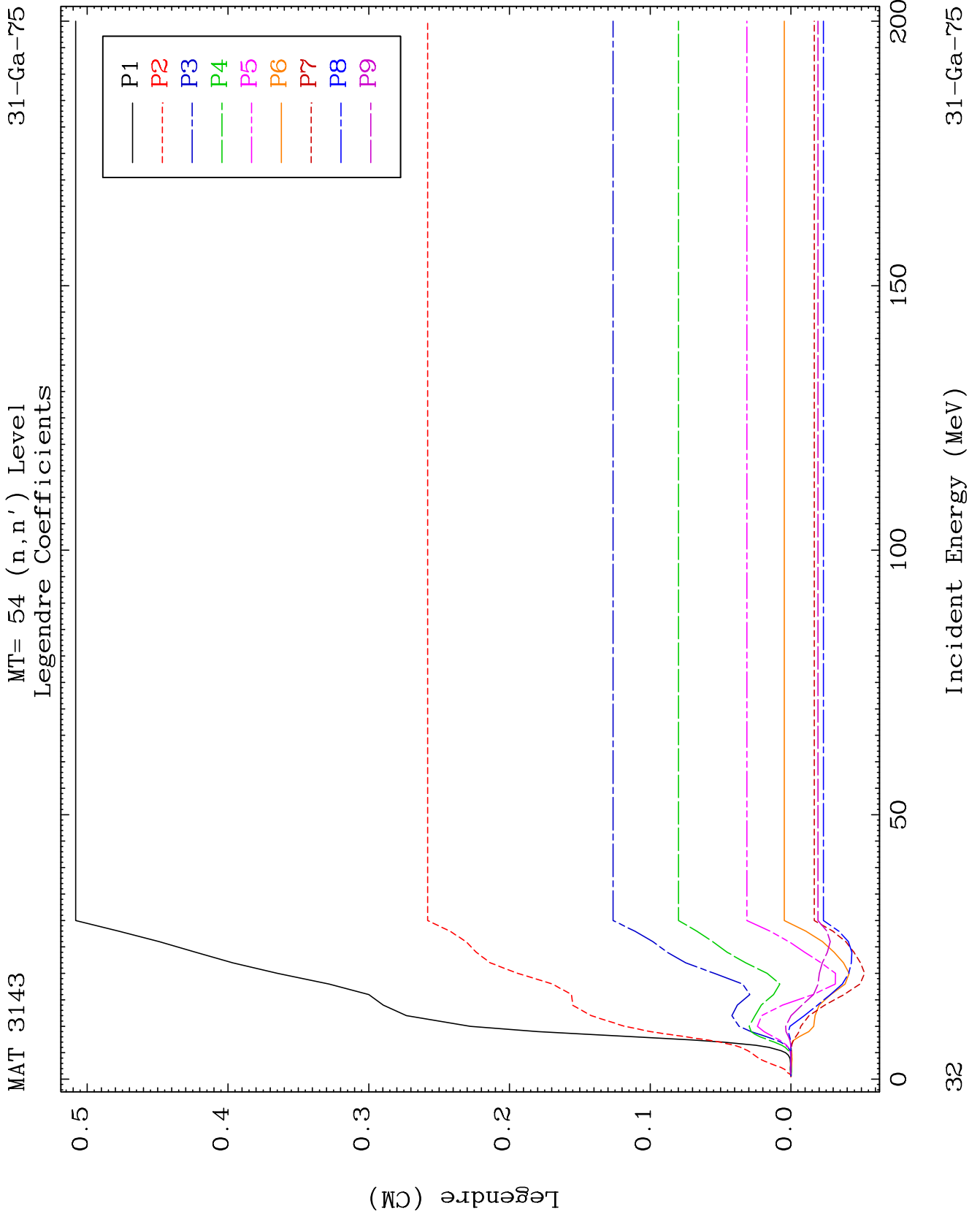








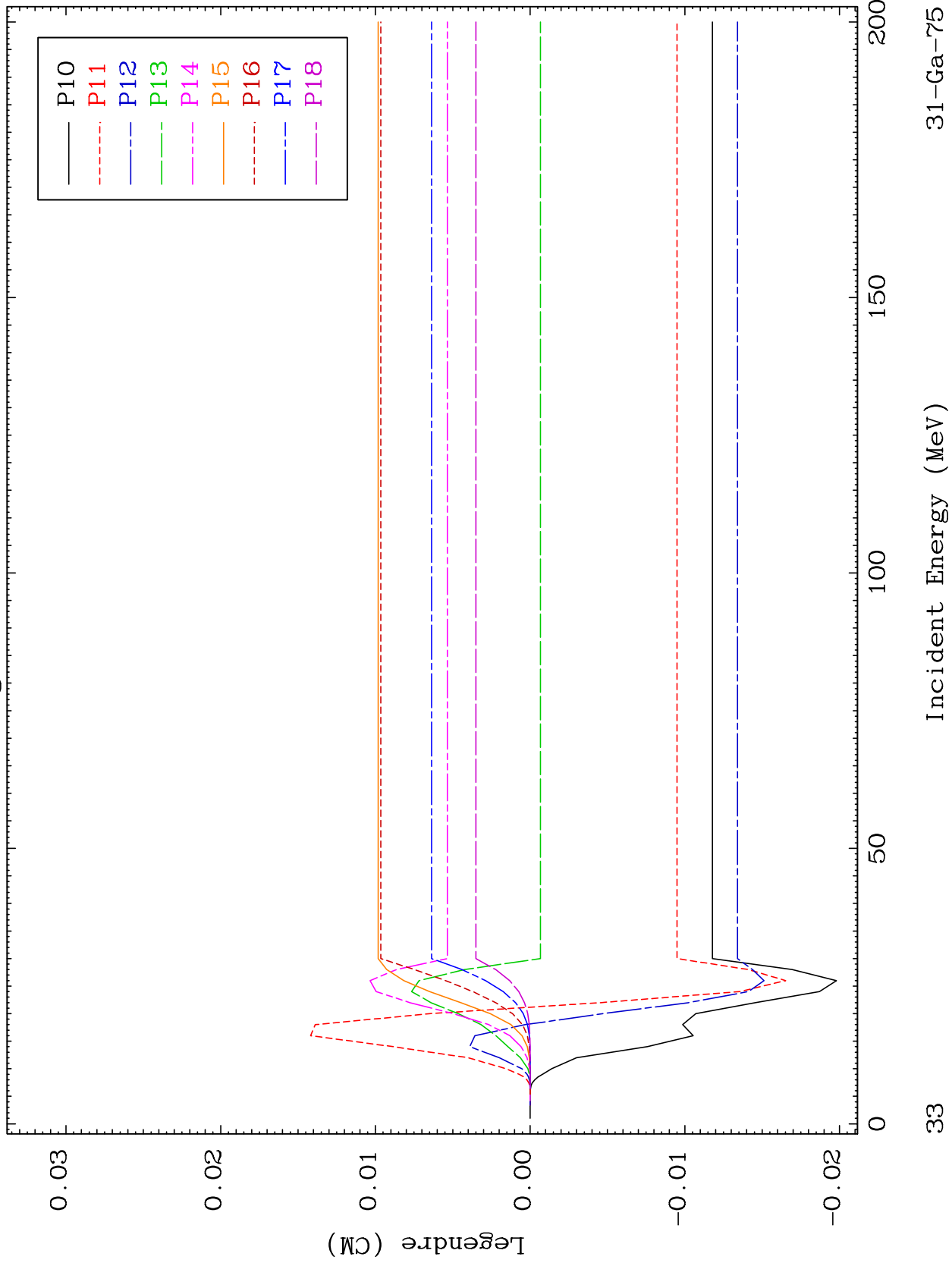




MAT 3143

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

31-Ga-75



31-Ga-75

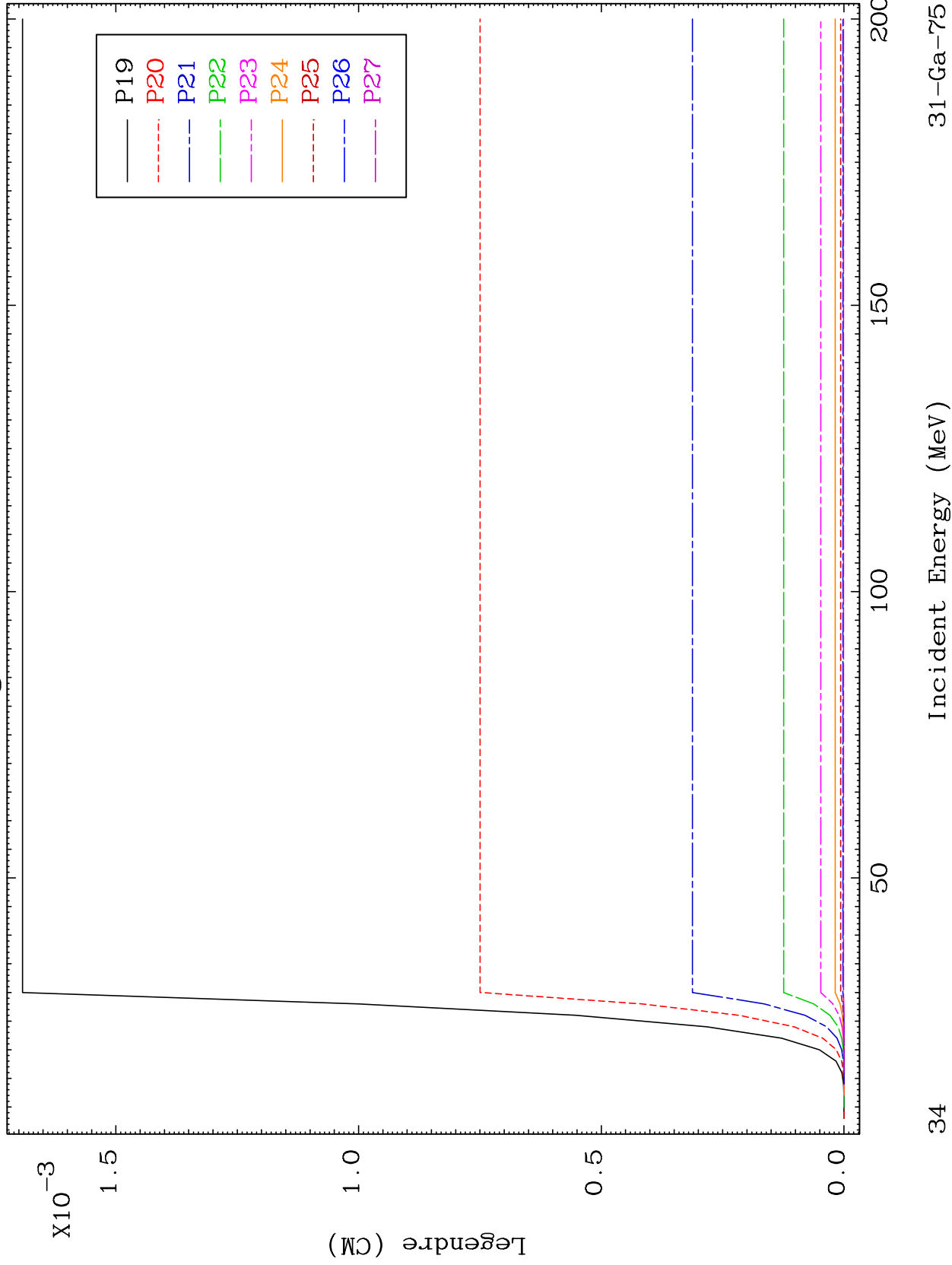
Incident Energy (MeV)

33

MAT 3143

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

31-Ga-75



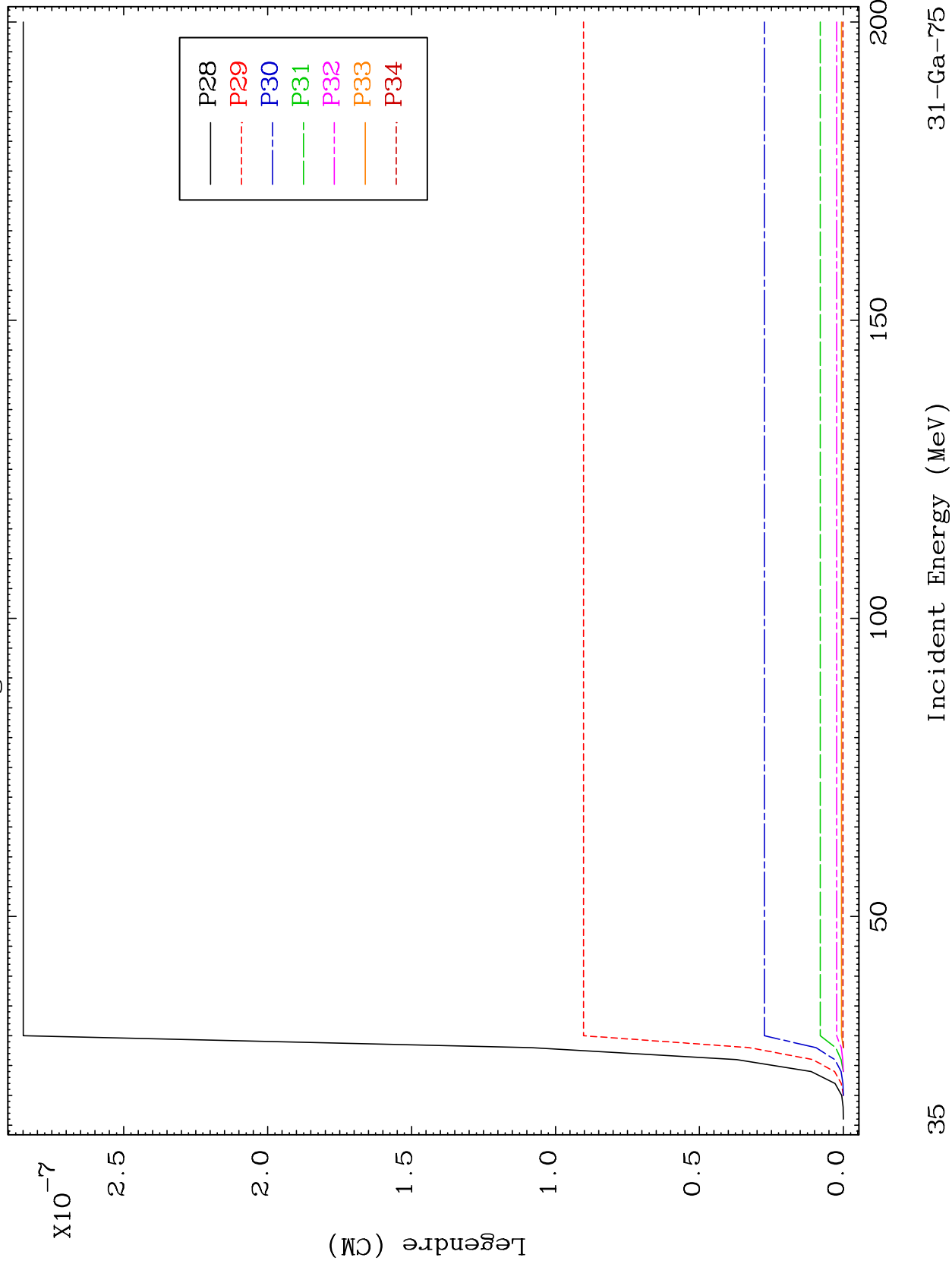
34

31-Ga-75

MAT 3143

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

31-Ga-75



35

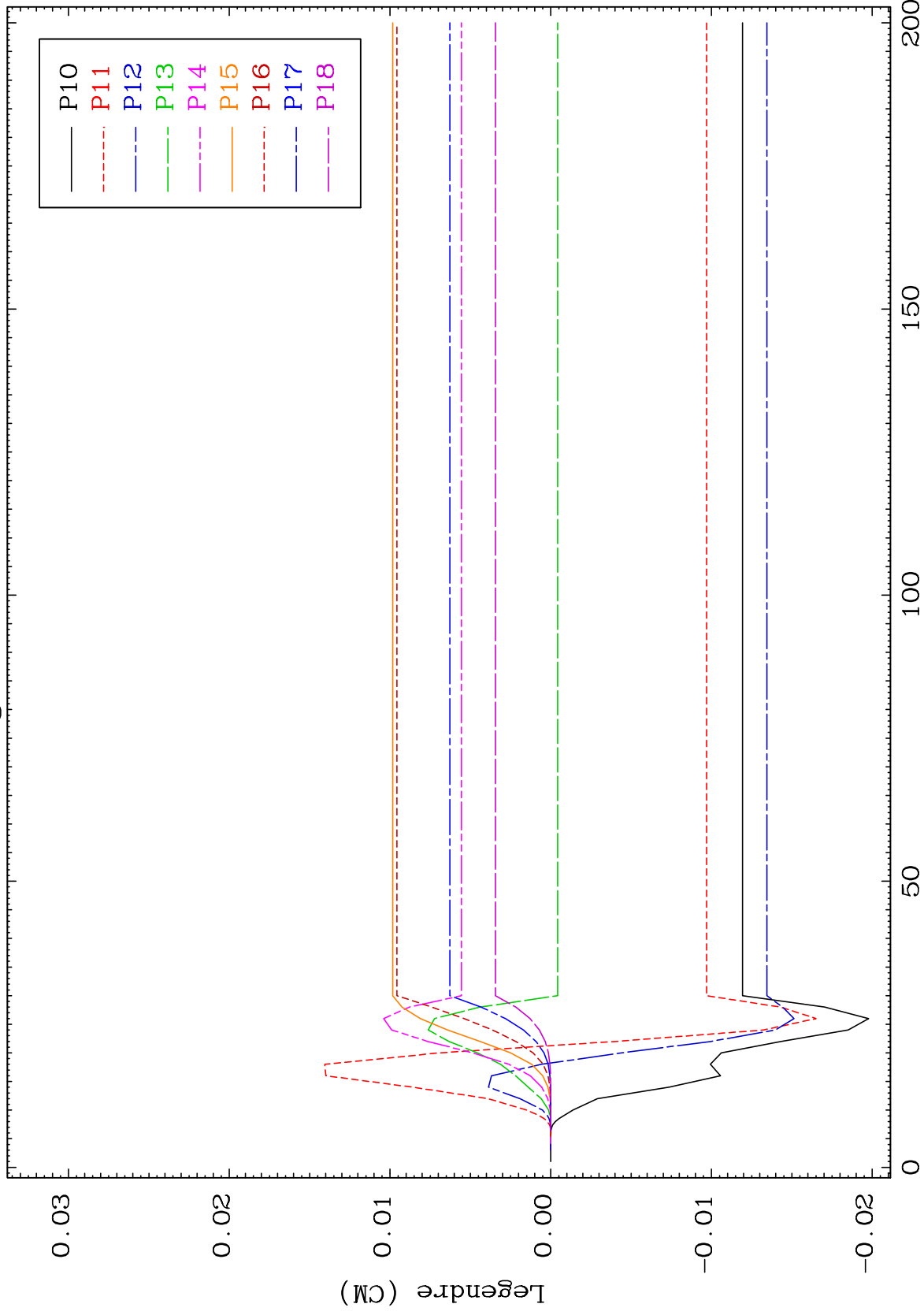
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



37

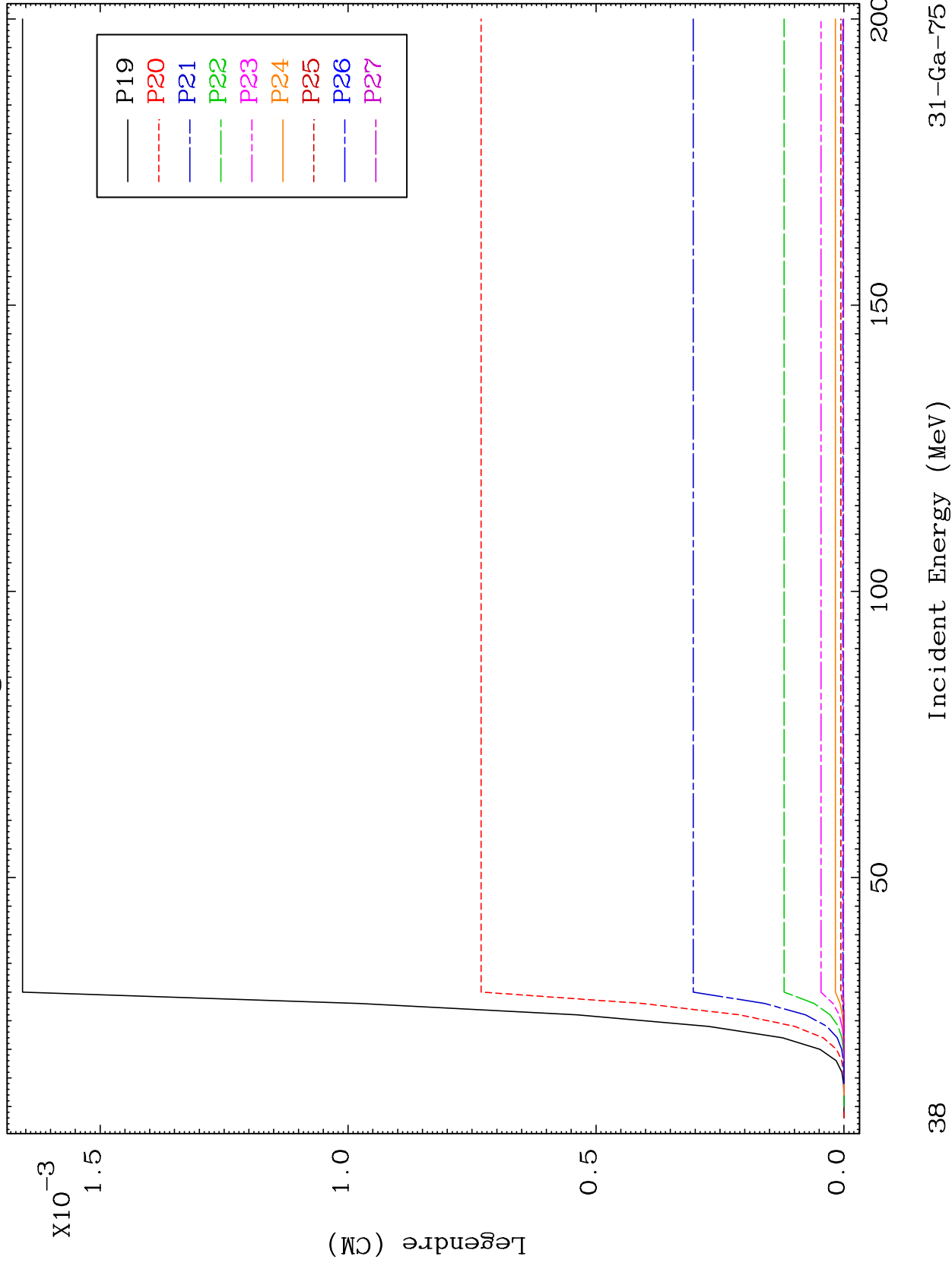
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

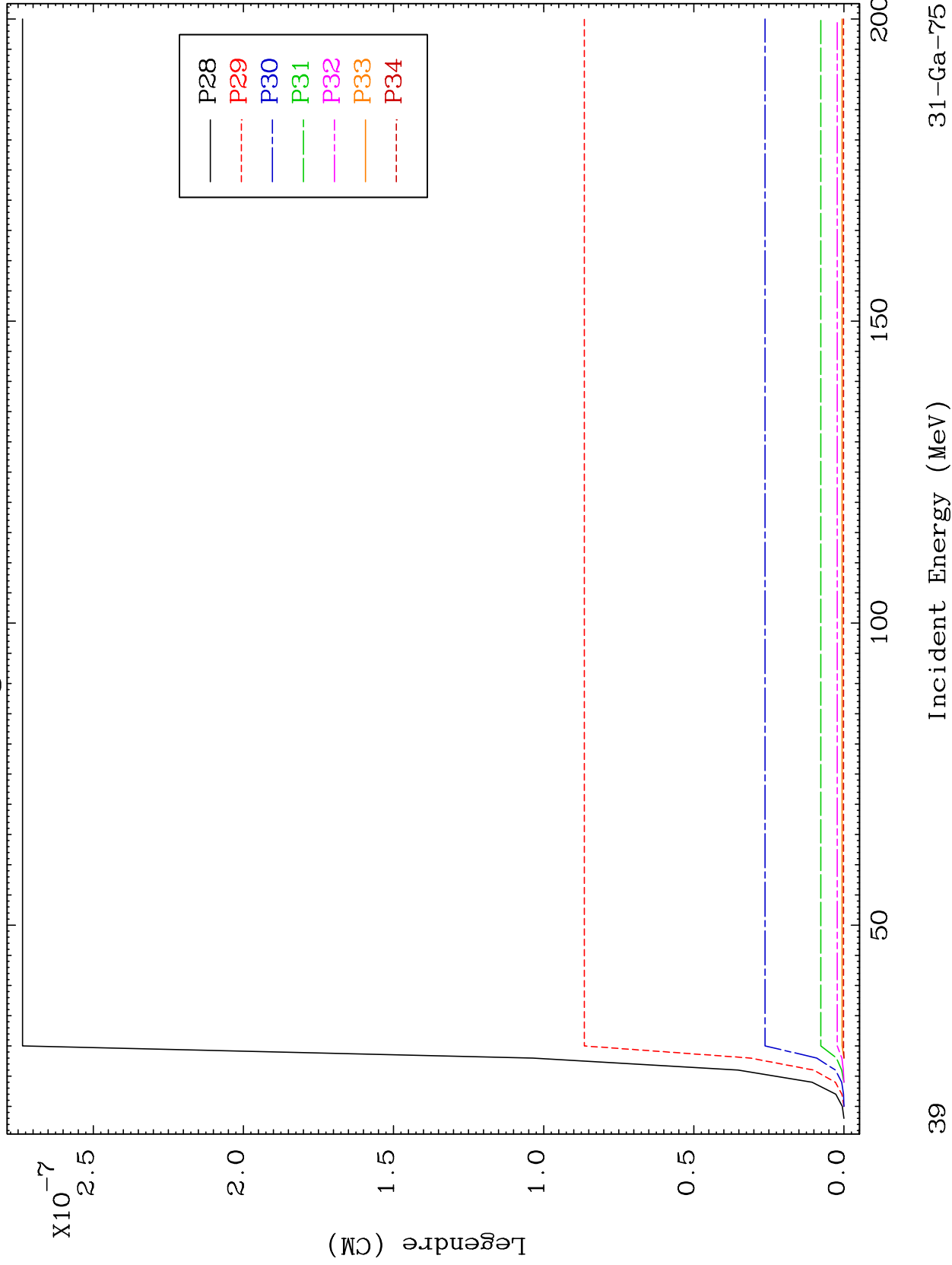
31-Ga-75



MAT 3143

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

31-Ga-75



39

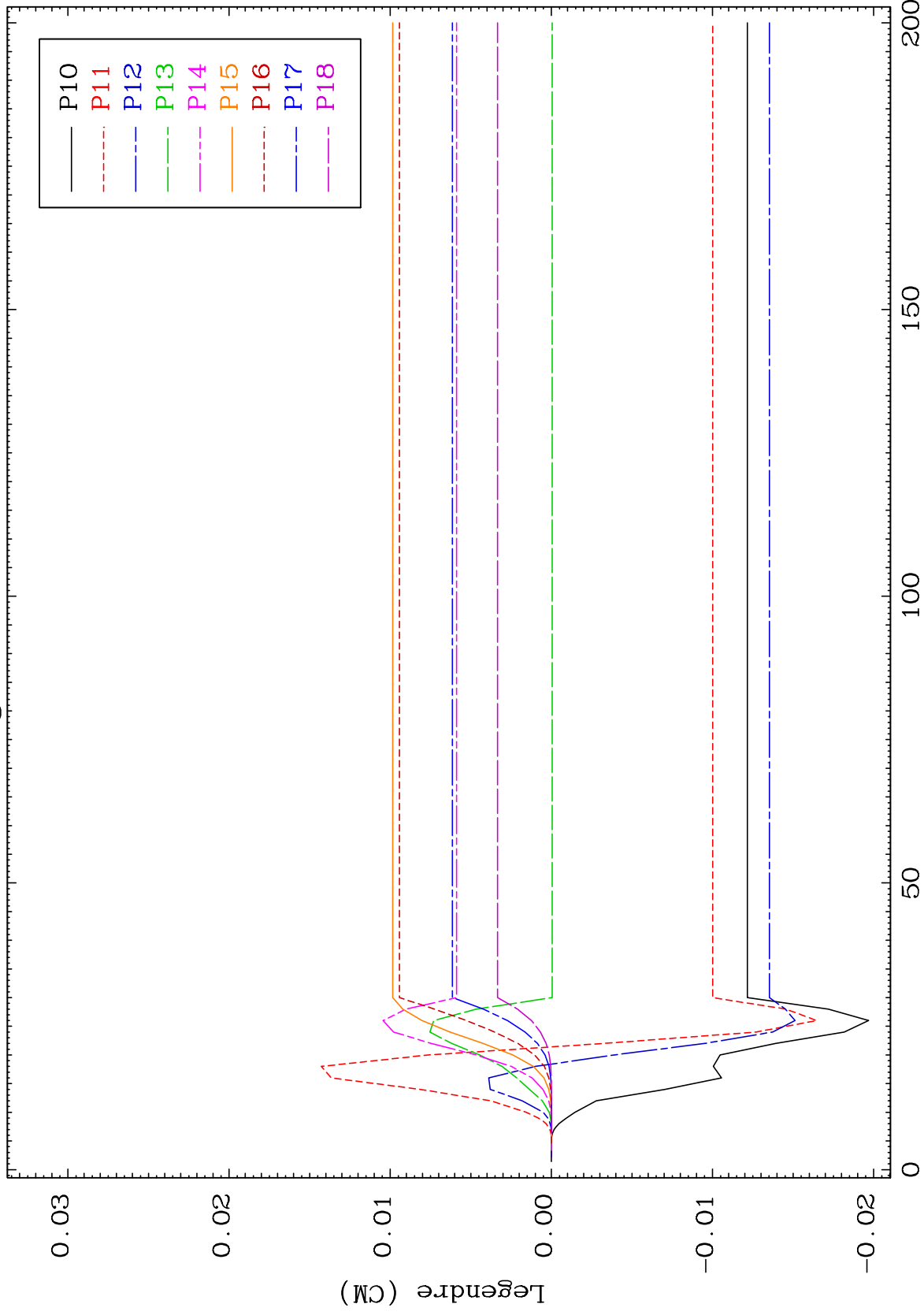
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



41

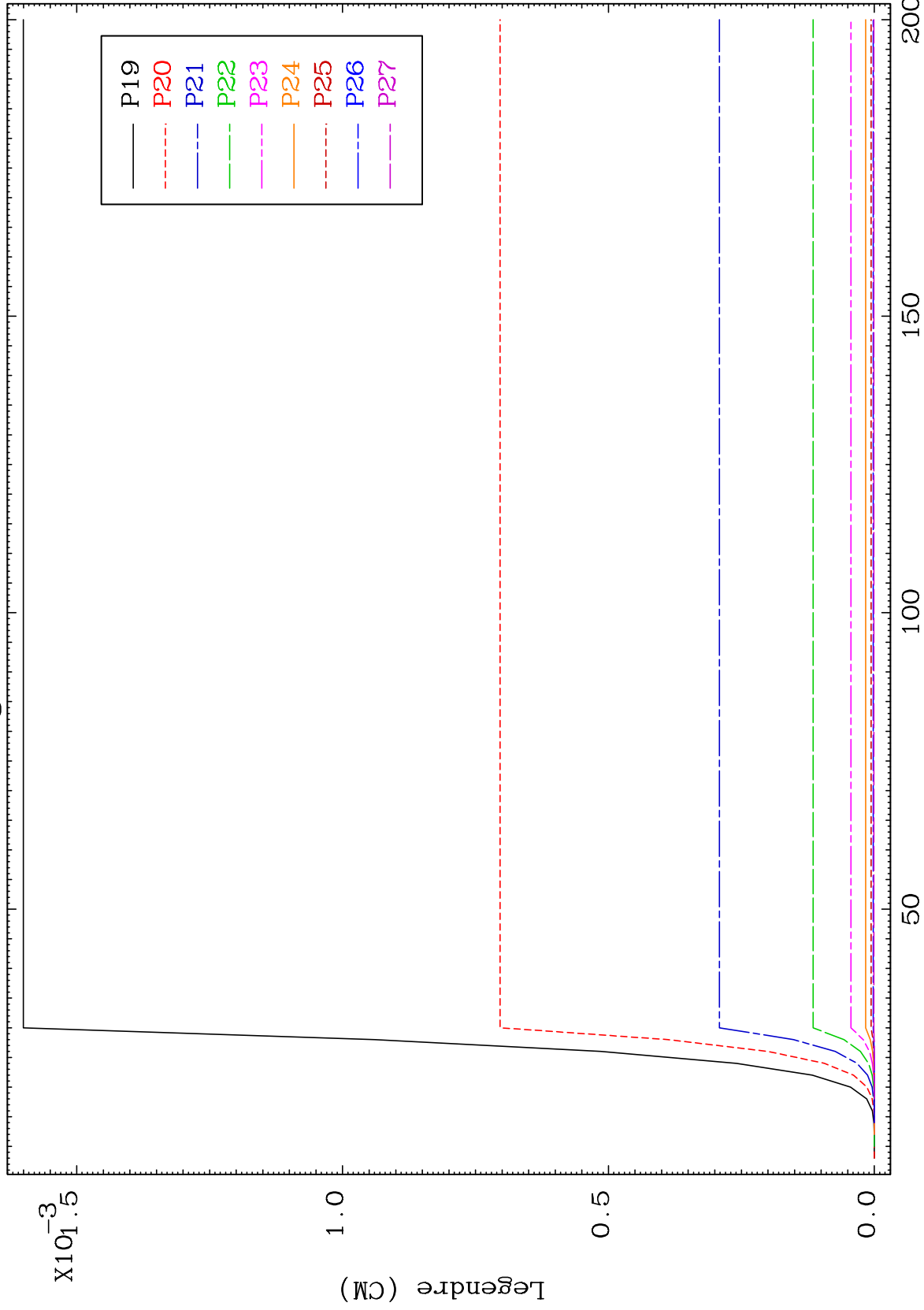
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



42

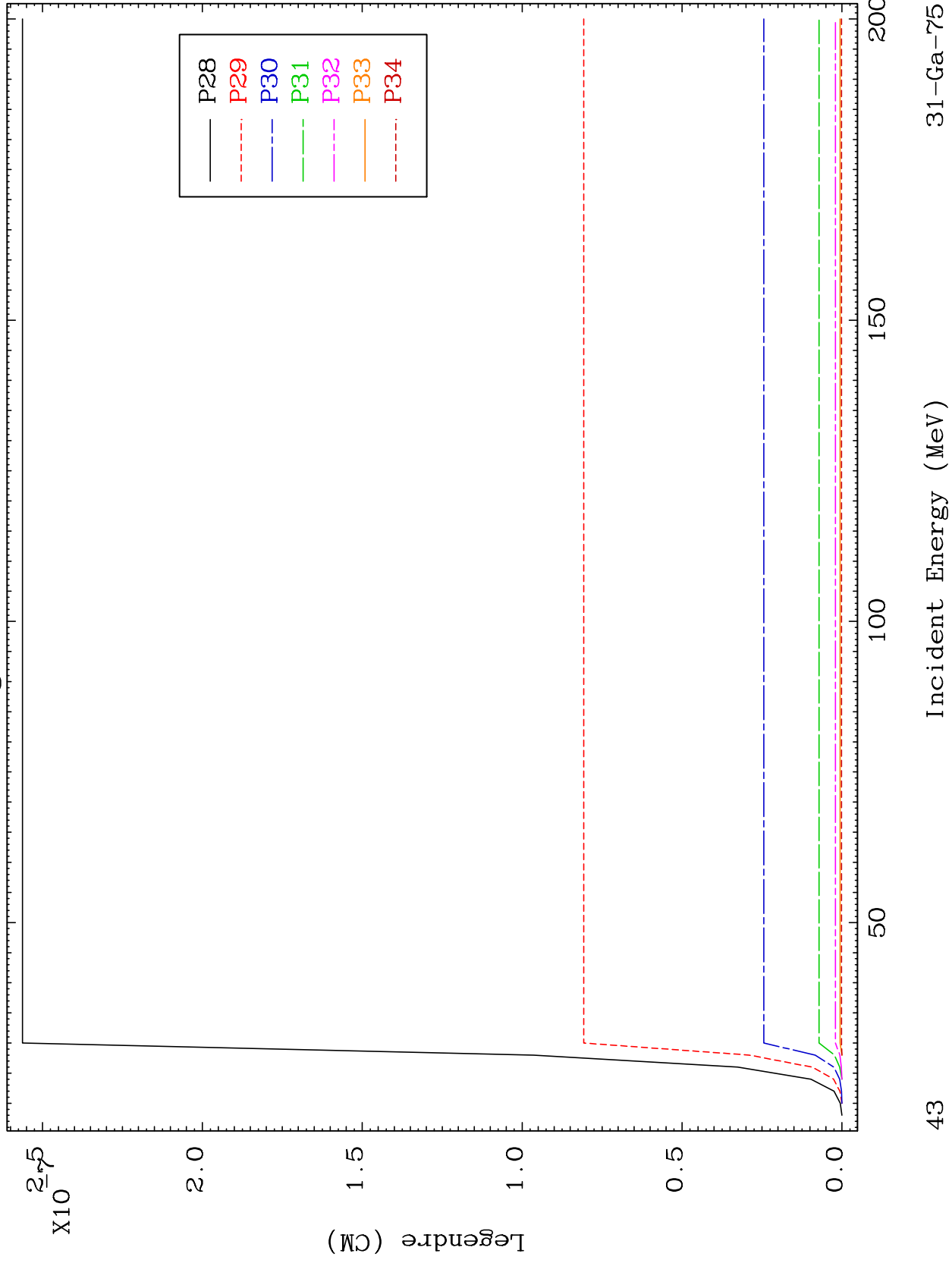
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

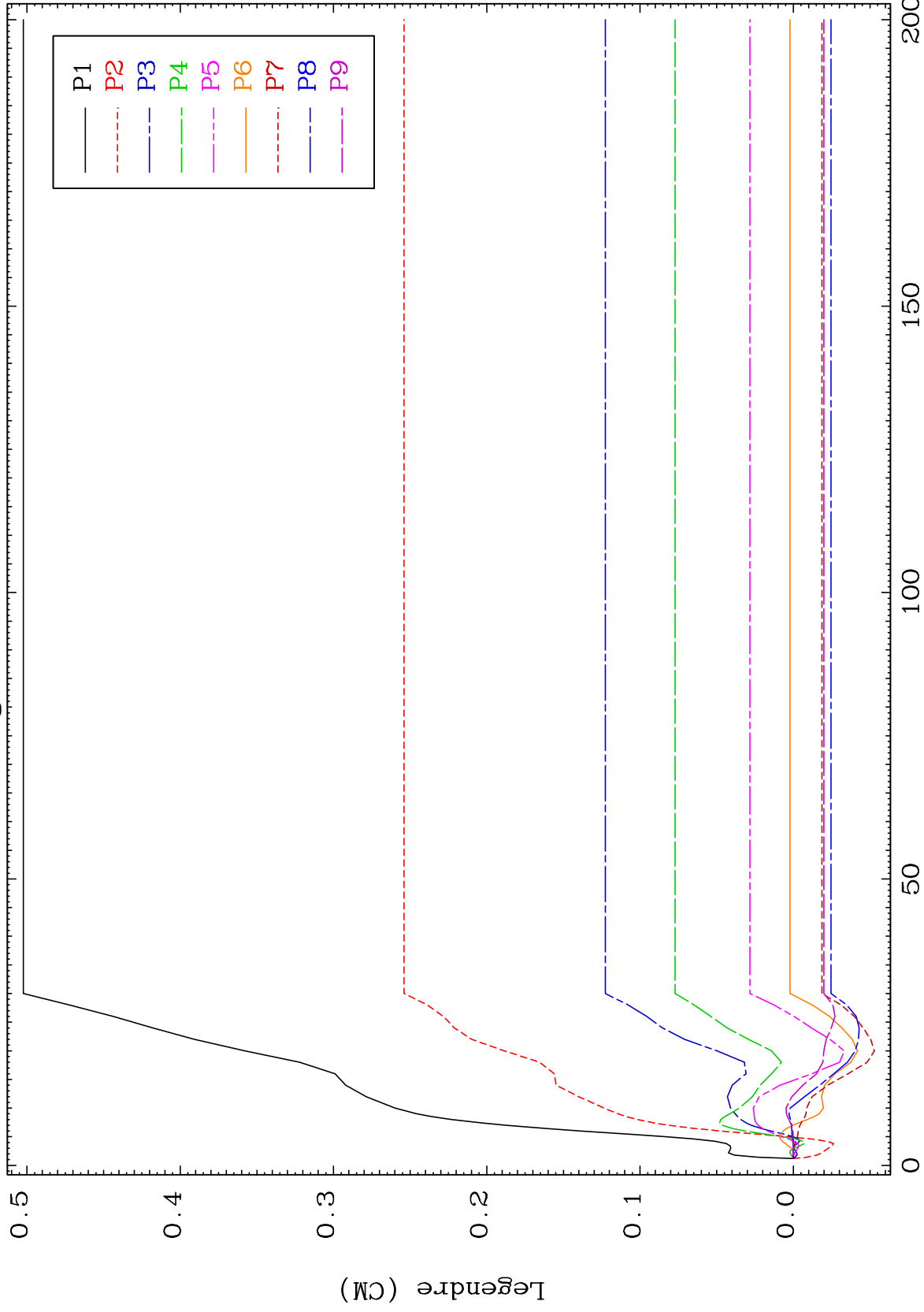
31-Ga-75



MAT 3143

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

31-Ga-75



44

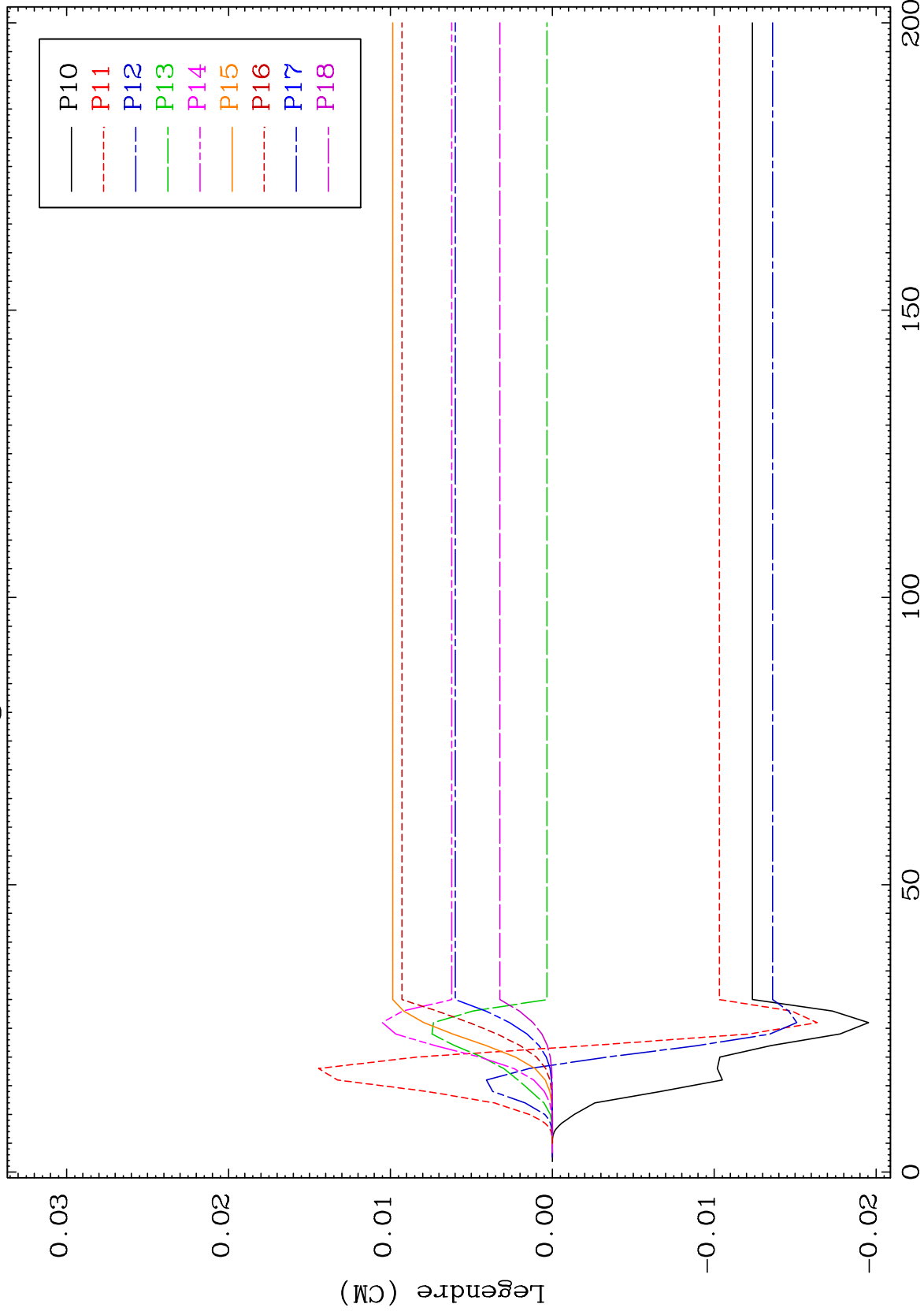
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



45

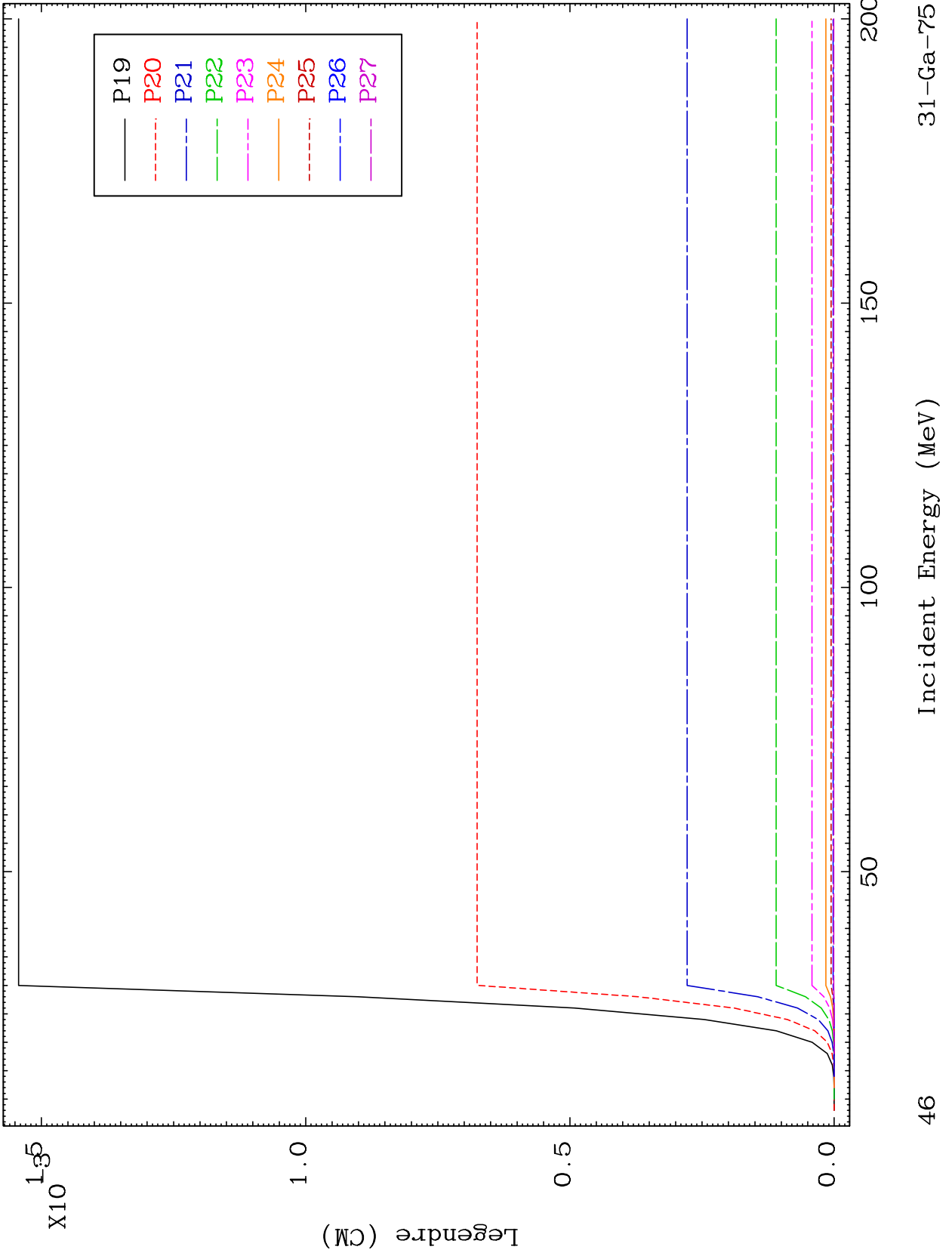
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

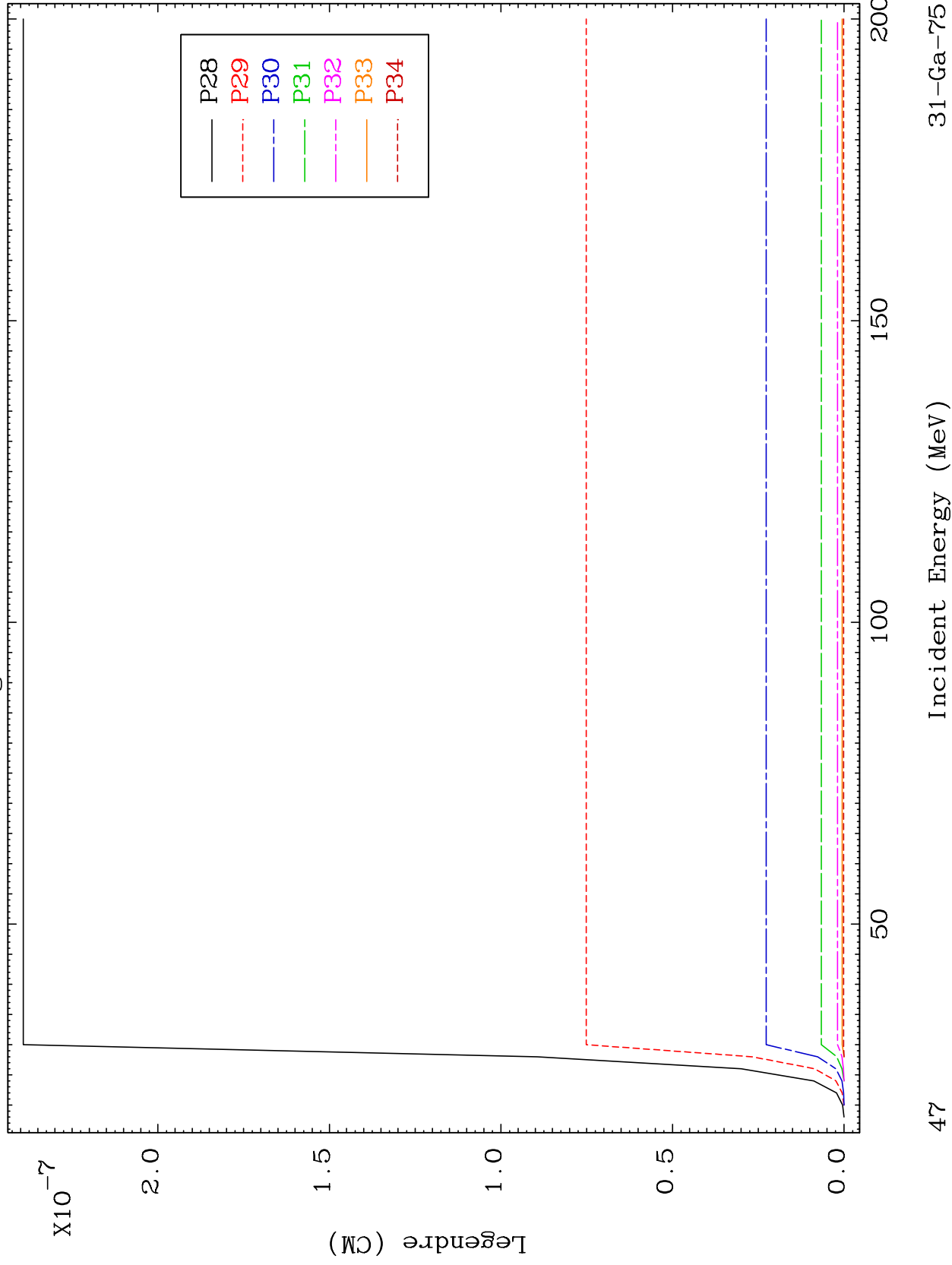
31-Ga-75

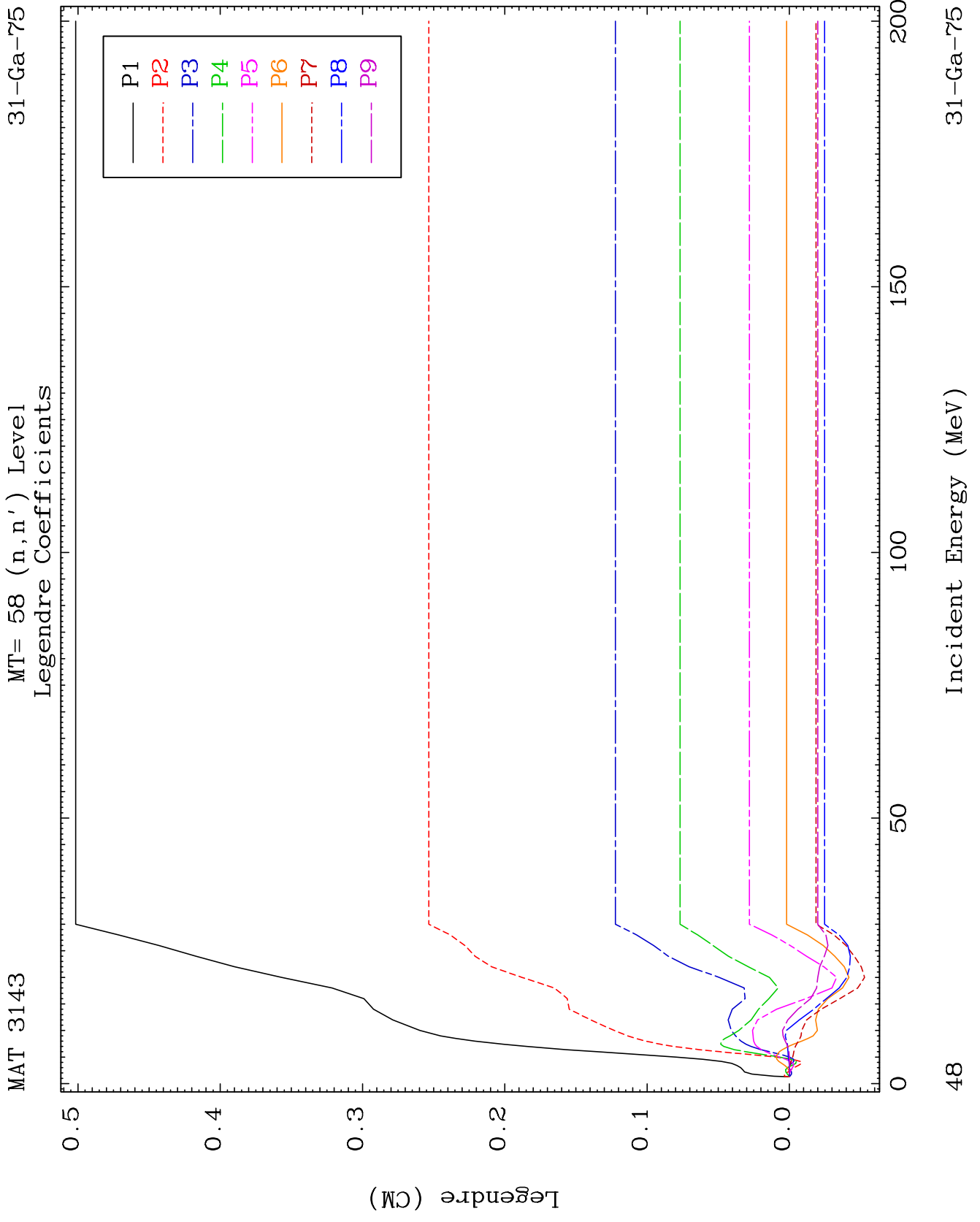


MAT 3143

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

31-Ga-75

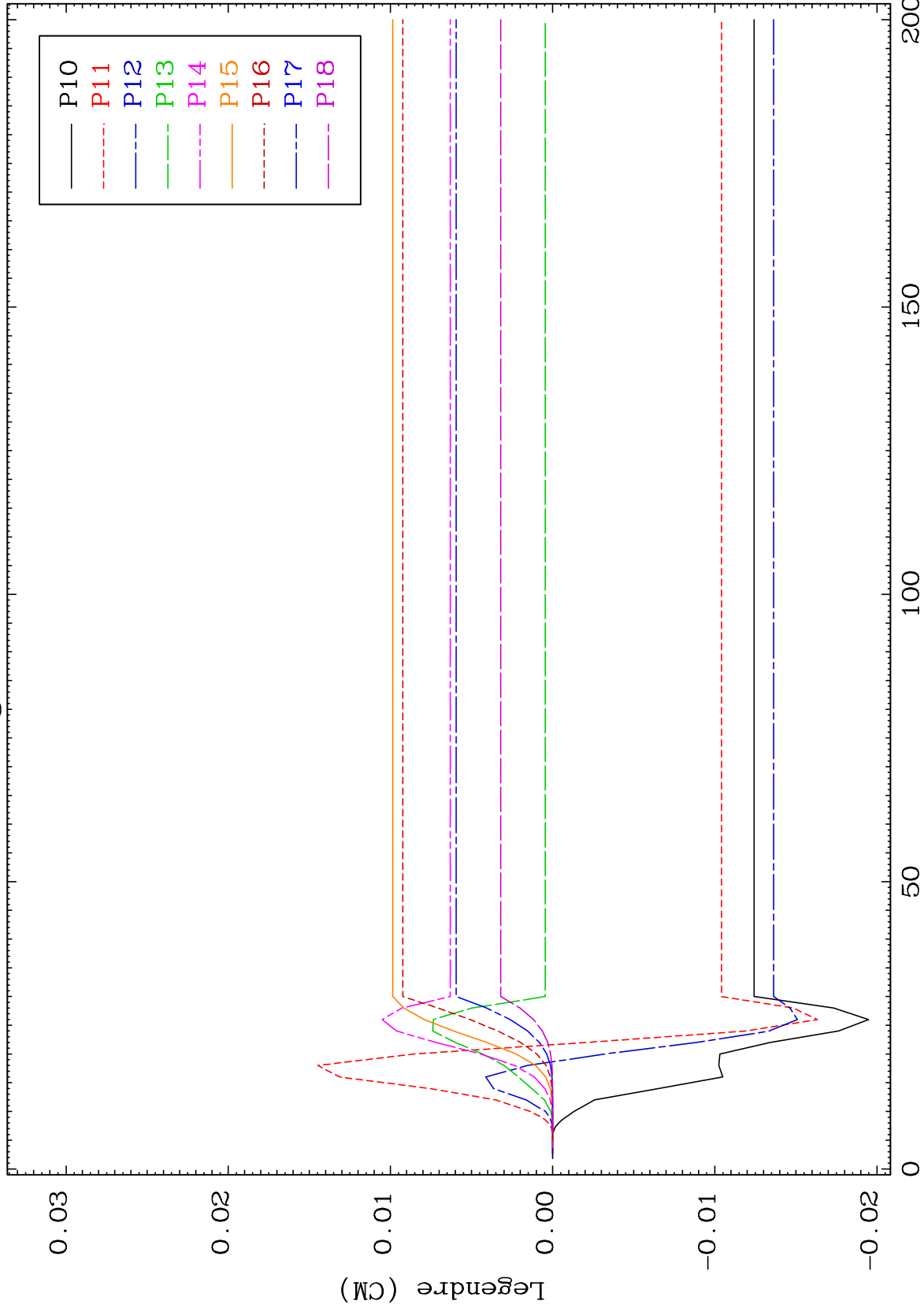




MAT 3143

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

31-Ga-75



49

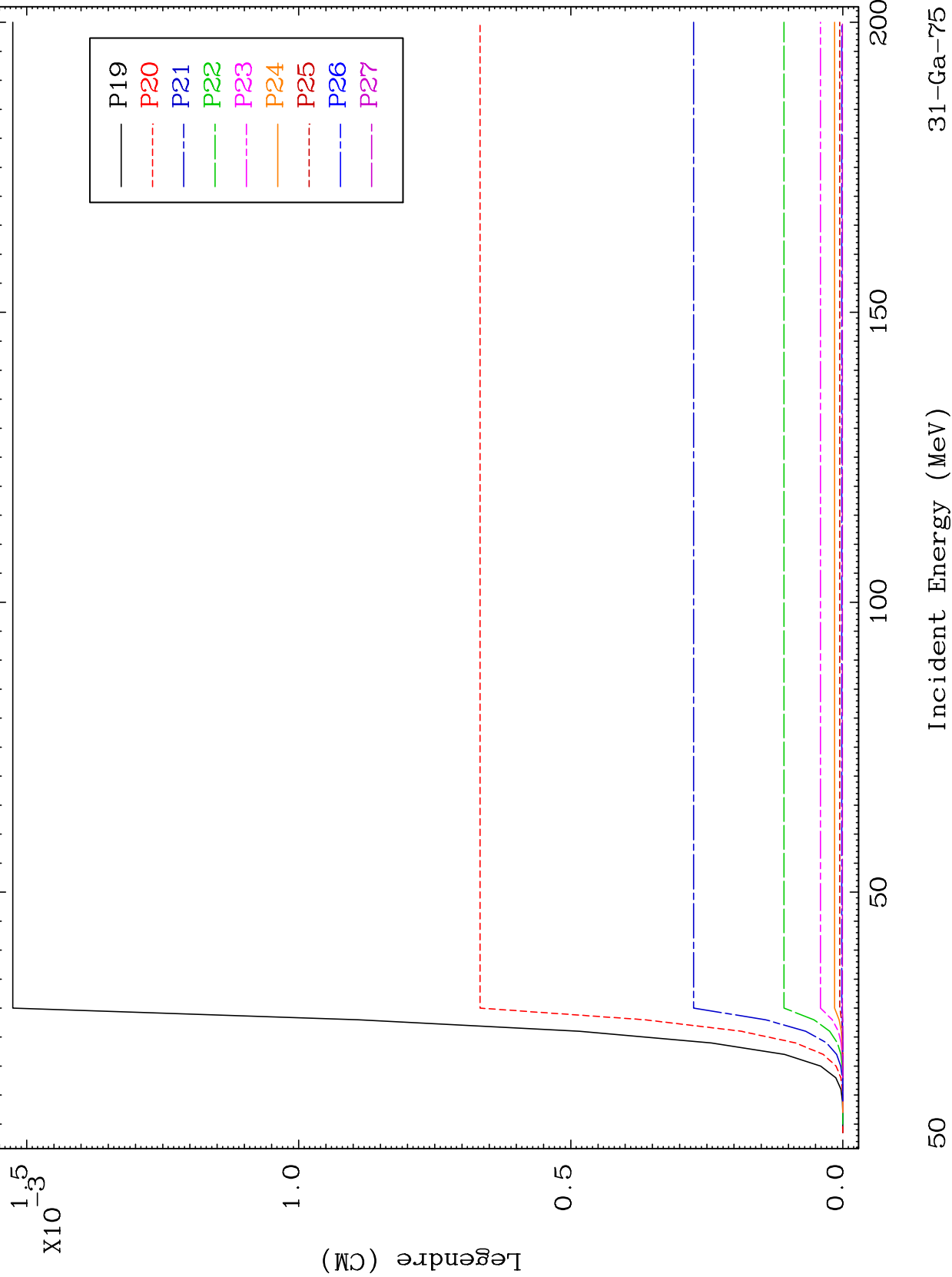
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

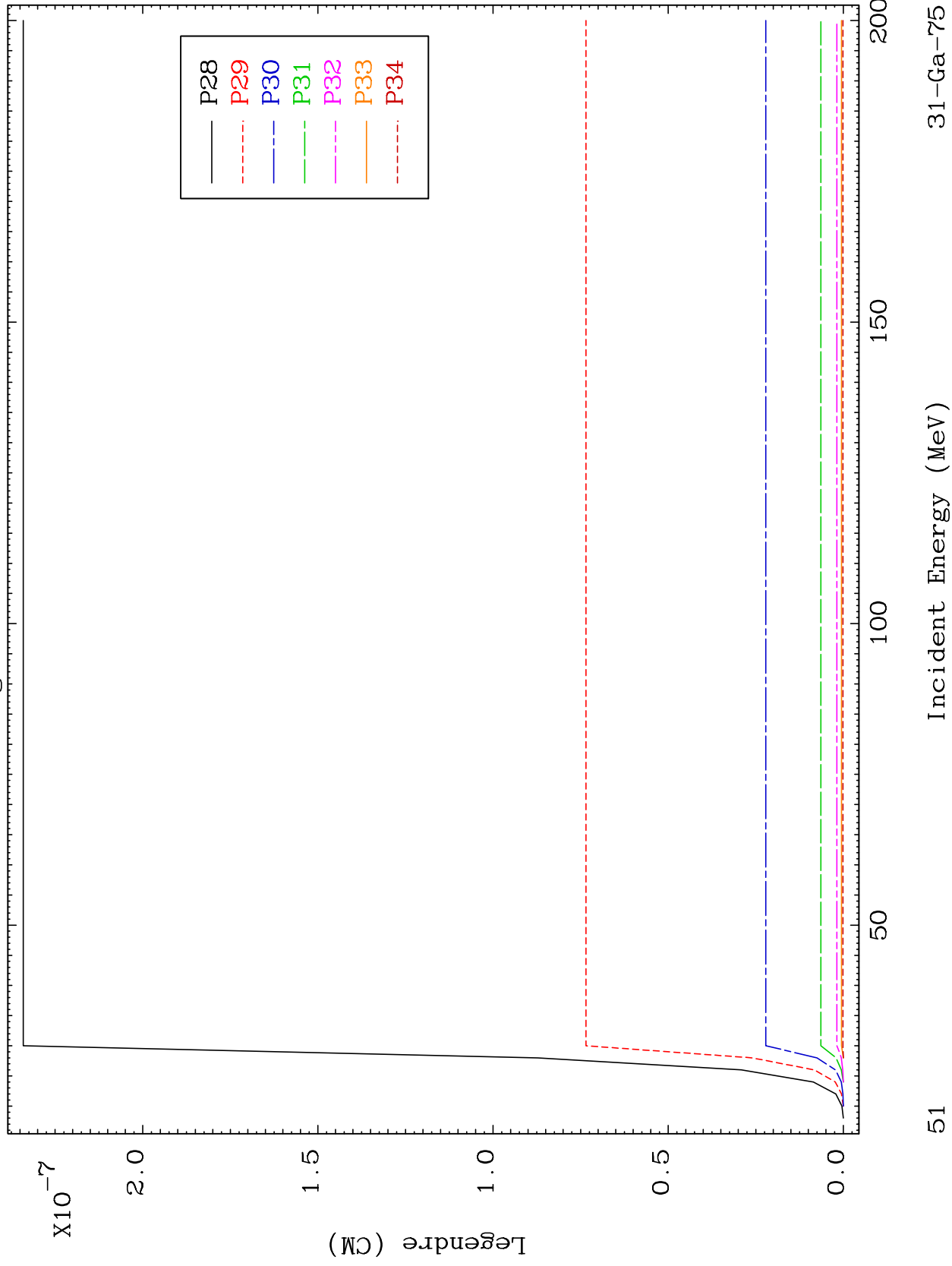
³¹Ga-75



MAT 3143

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

31-Ga-75



51

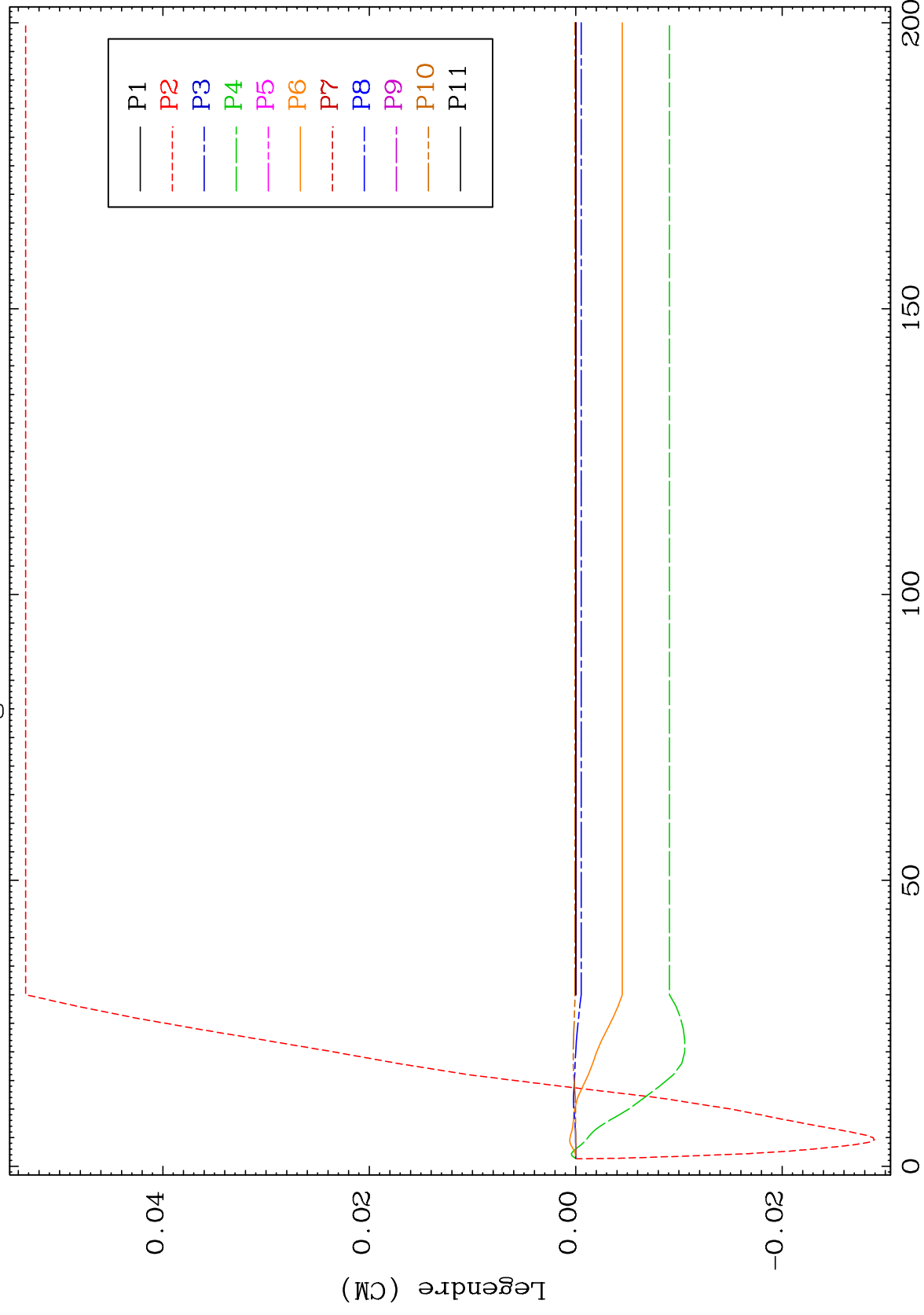
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



52

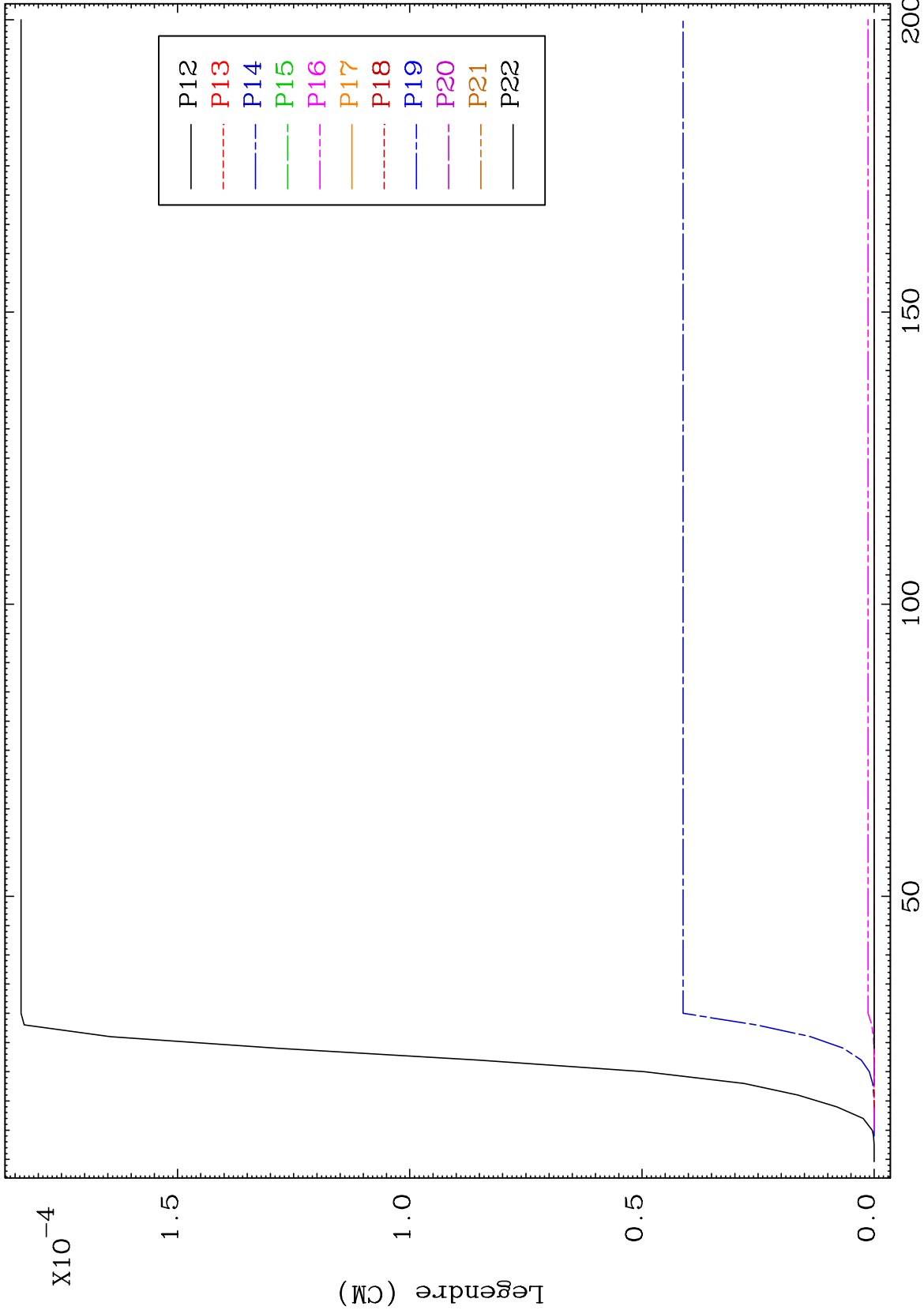
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

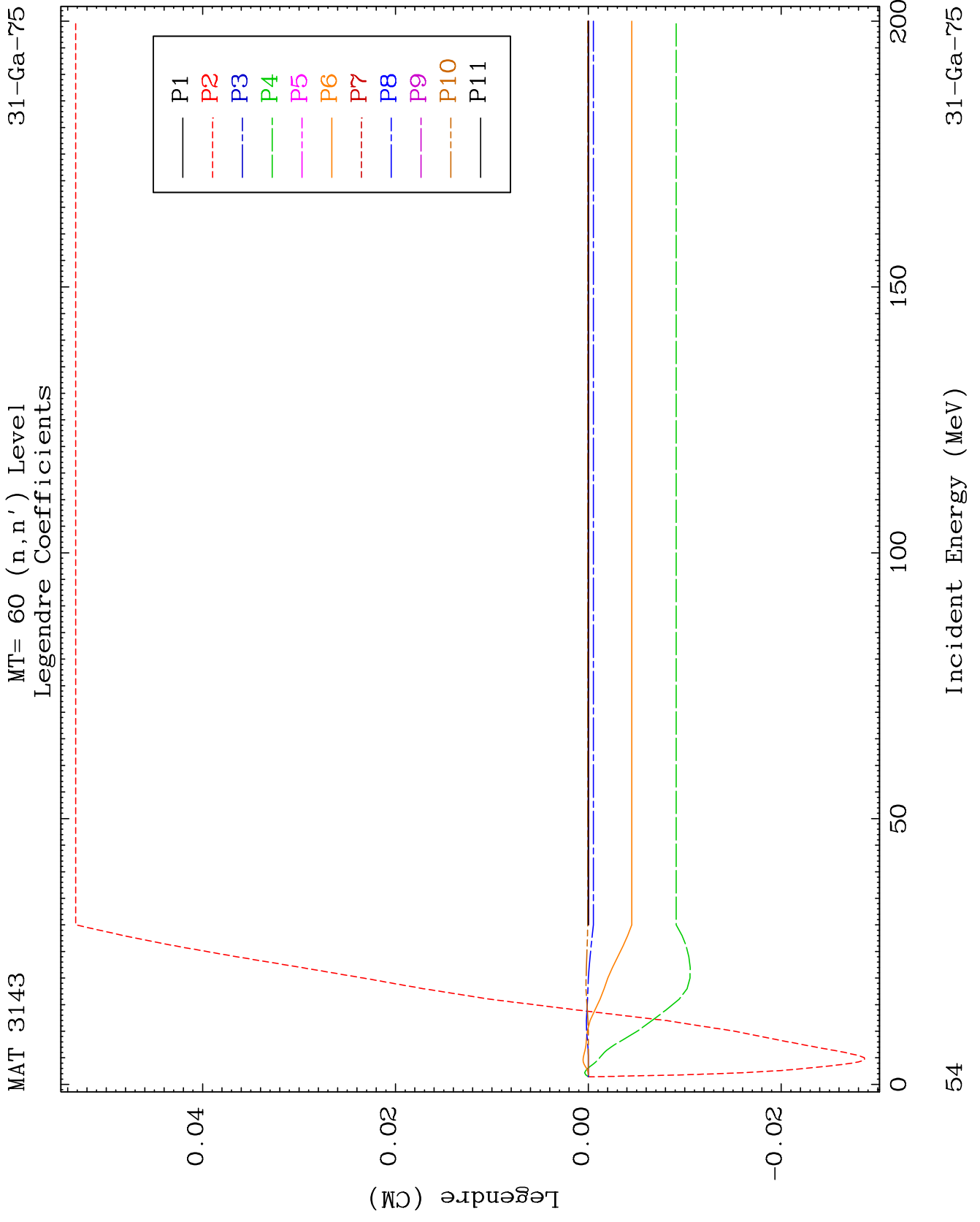
31-Ga-75



53

Incident Energy (MeV)

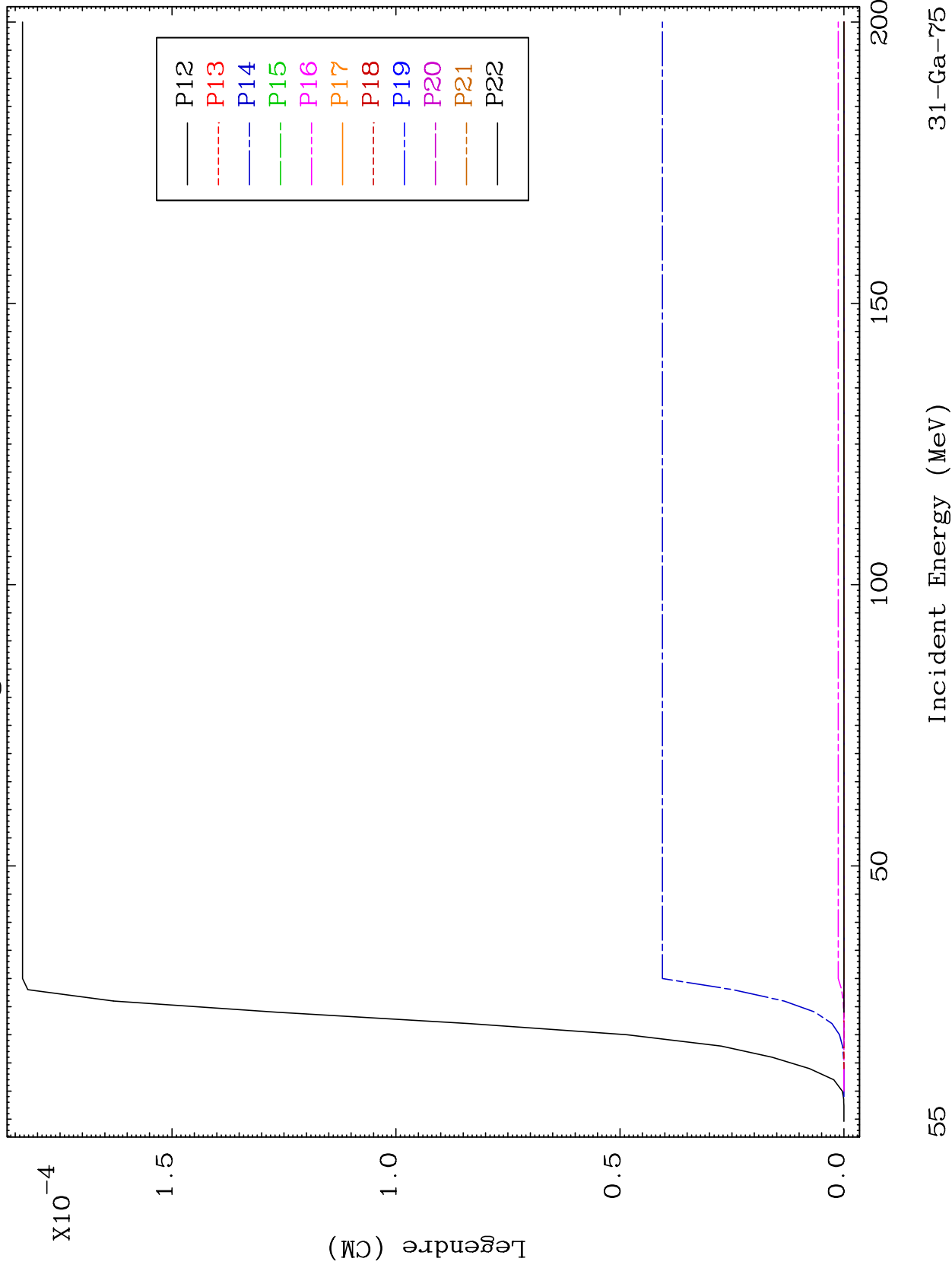
31-Ga-75



MAT 3143

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

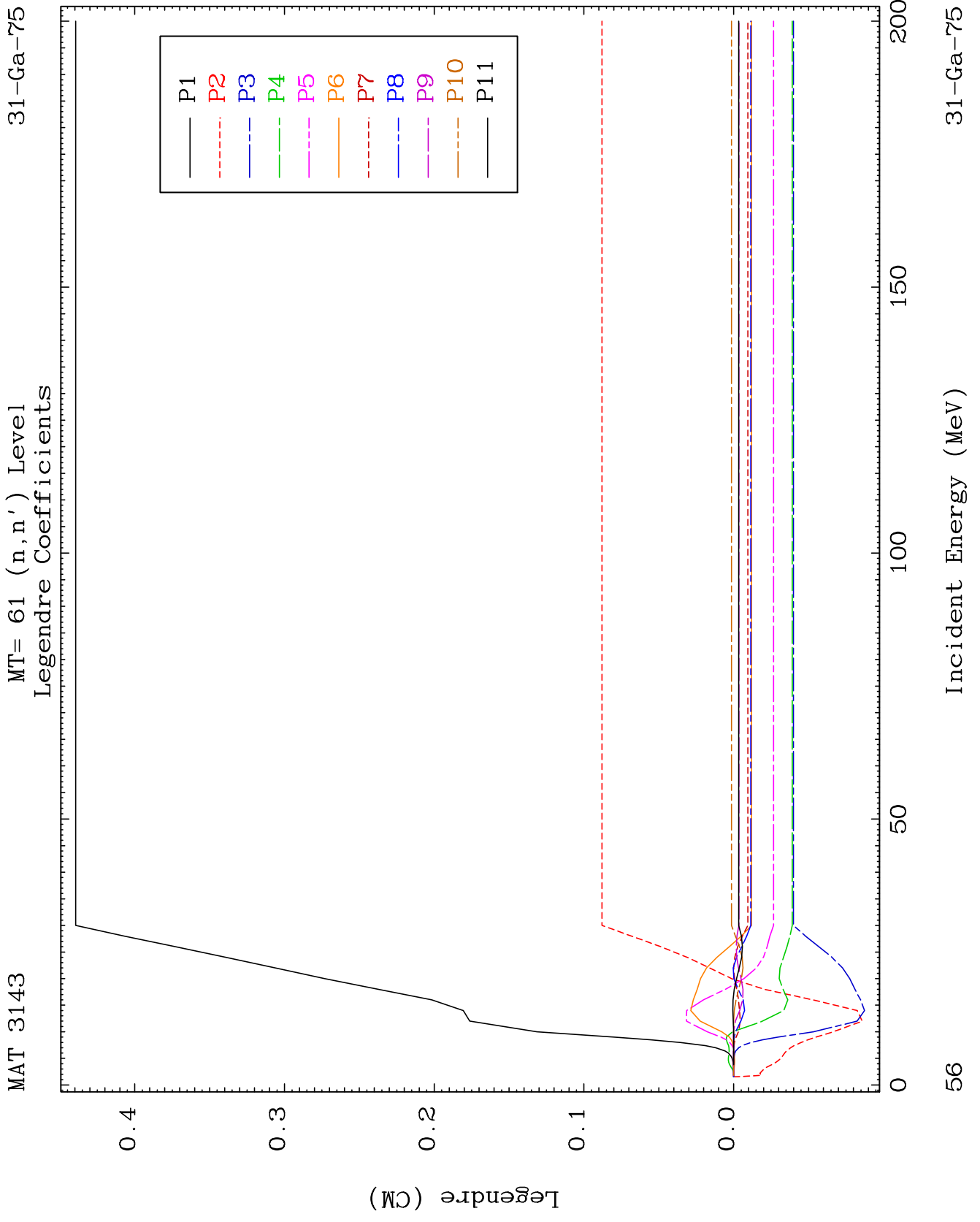
31-Ga-75



55

Incident Energy (MeV)

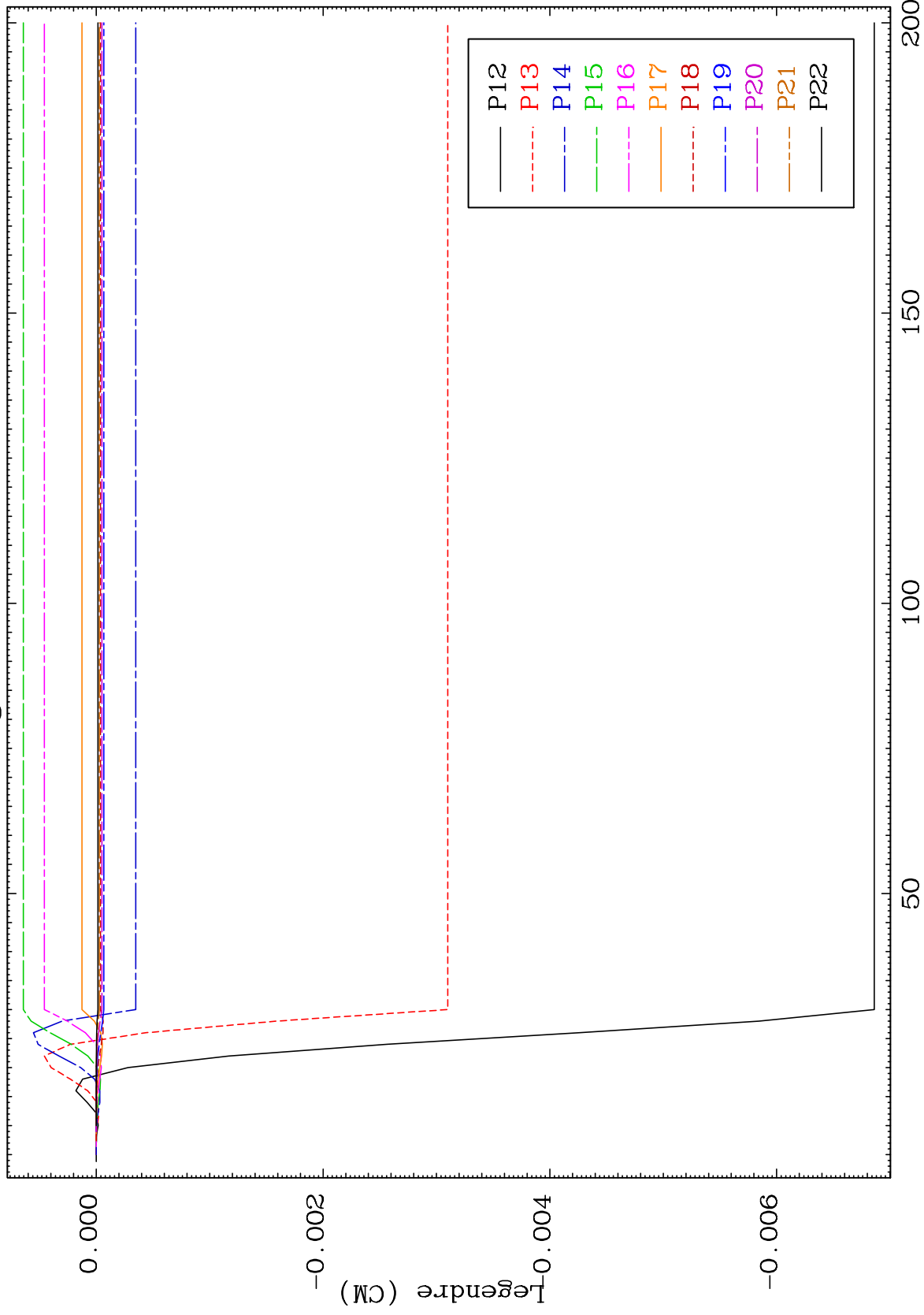
31-Ga-75

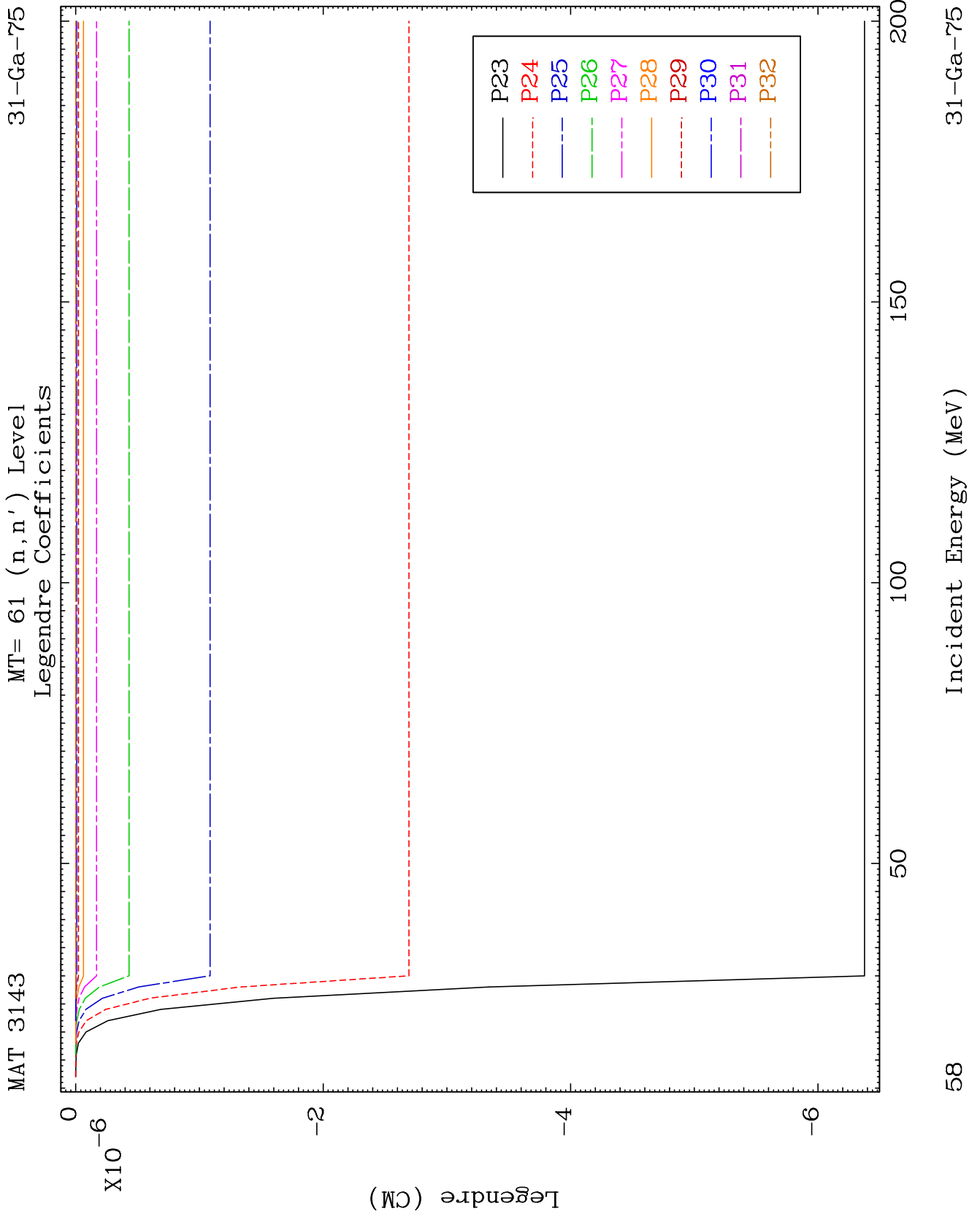


MAT 3143

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

31-Ga-75

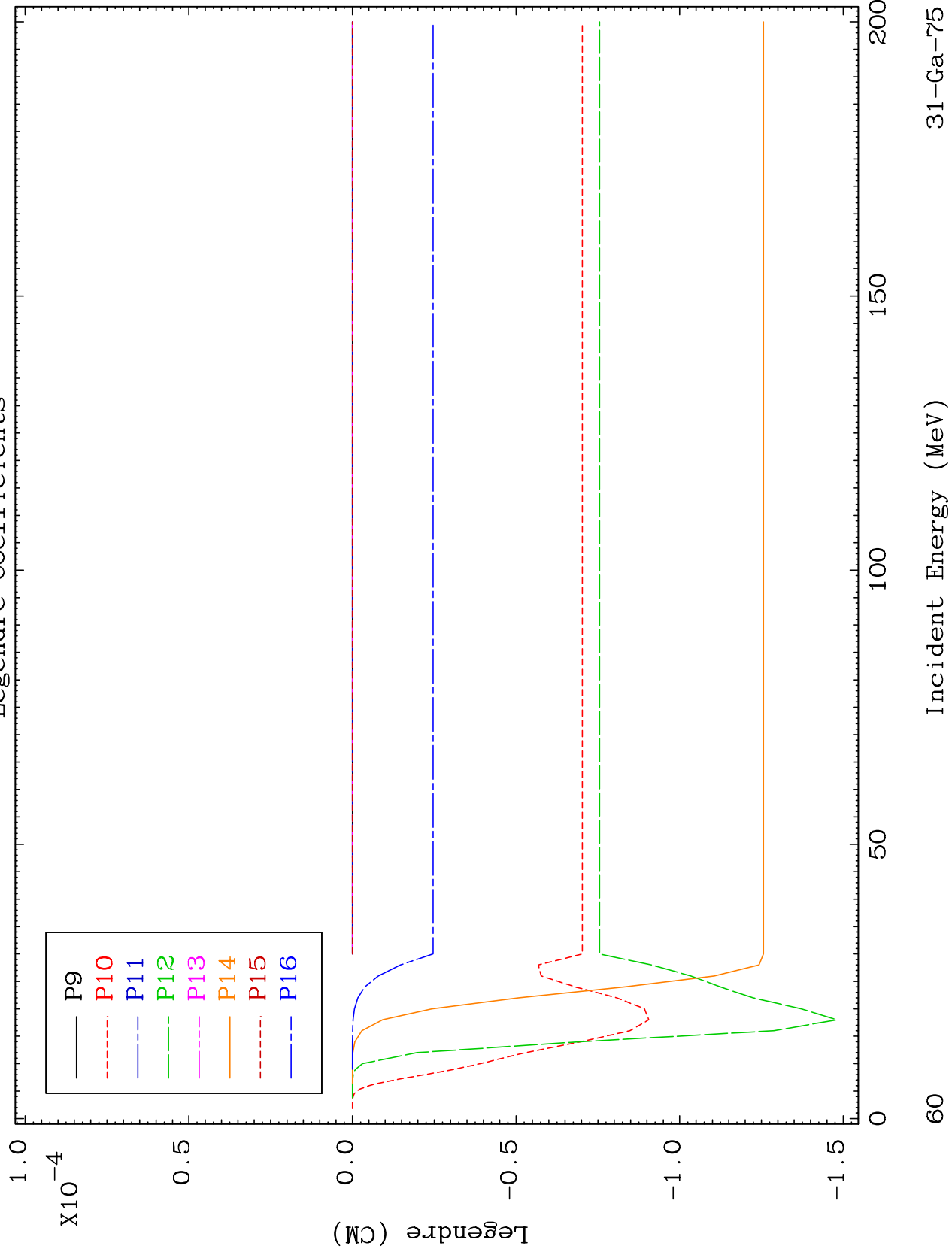


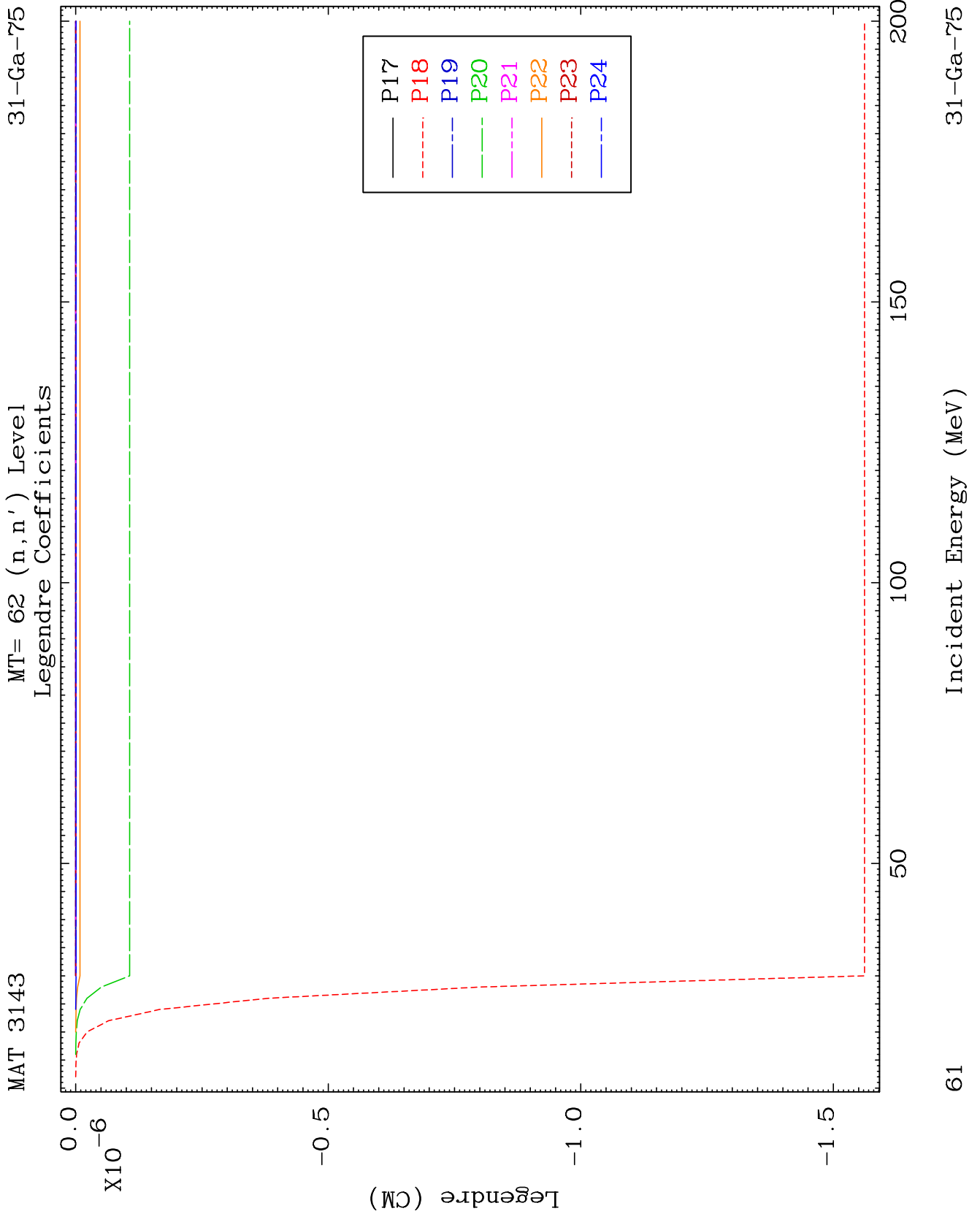


MAT 3143

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

31-Ga-75

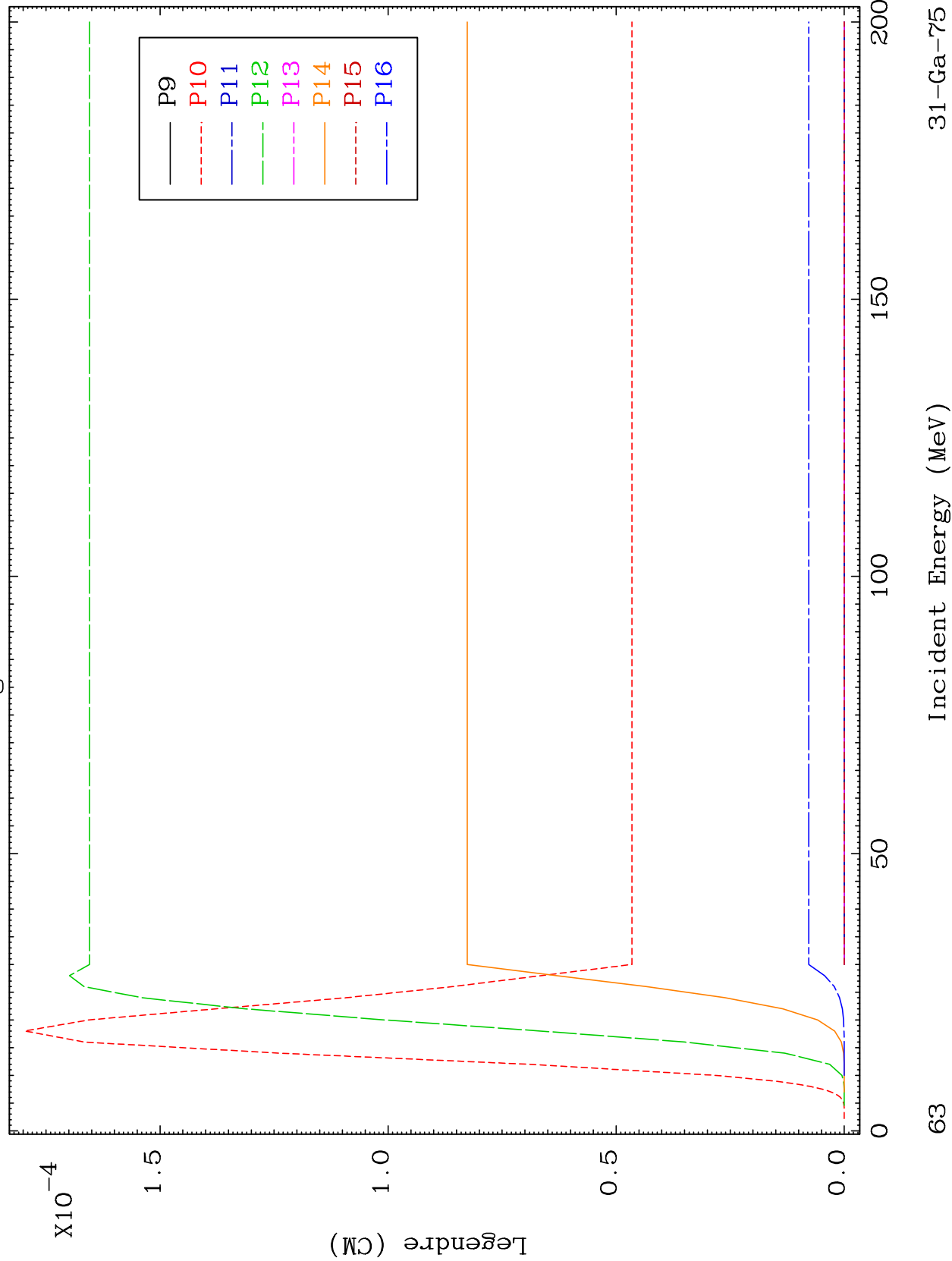




MAT 3143

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

31-Ga-75



31-Ga-75

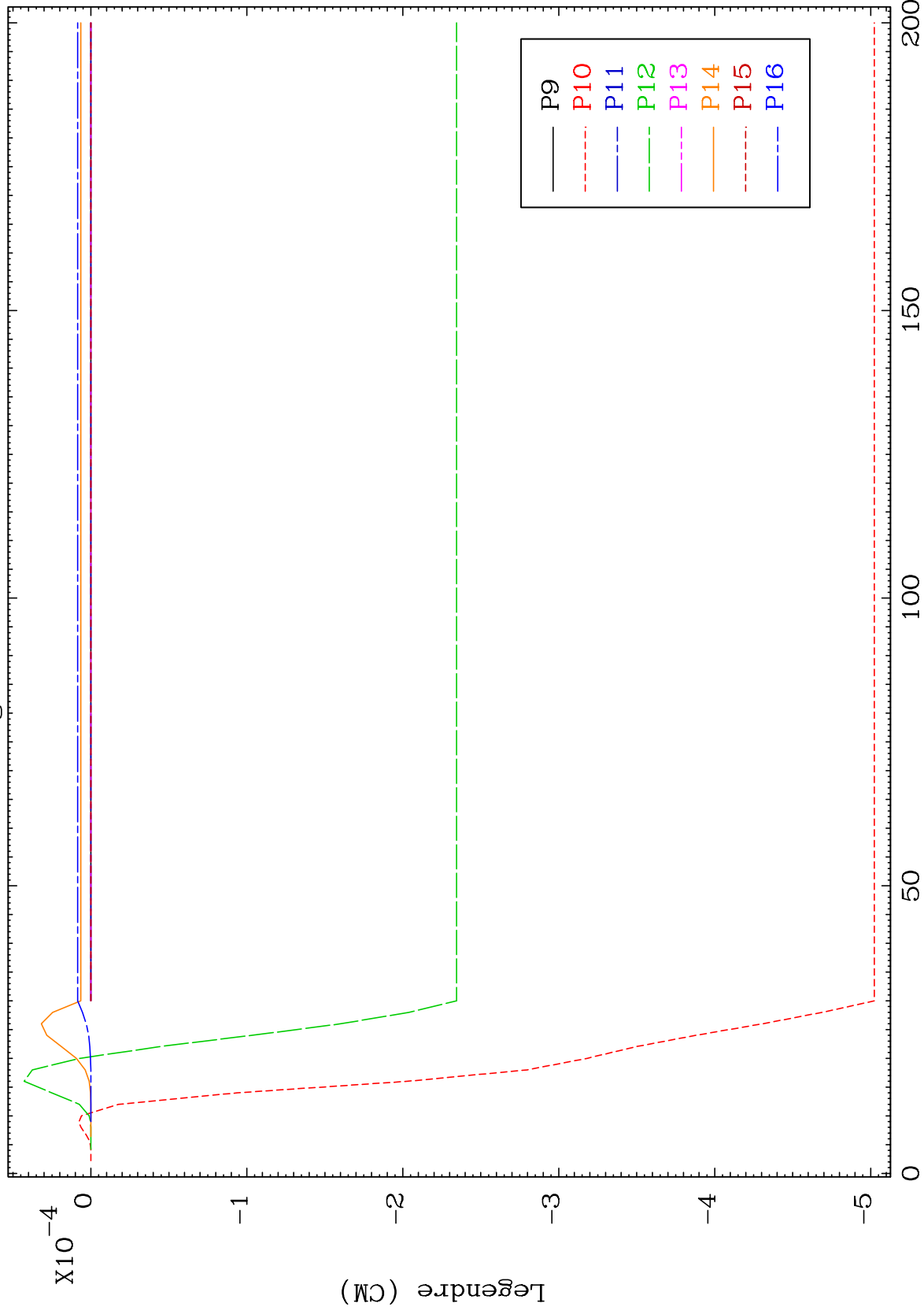
Incident Energy (MeV)

63

MAT 3143

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

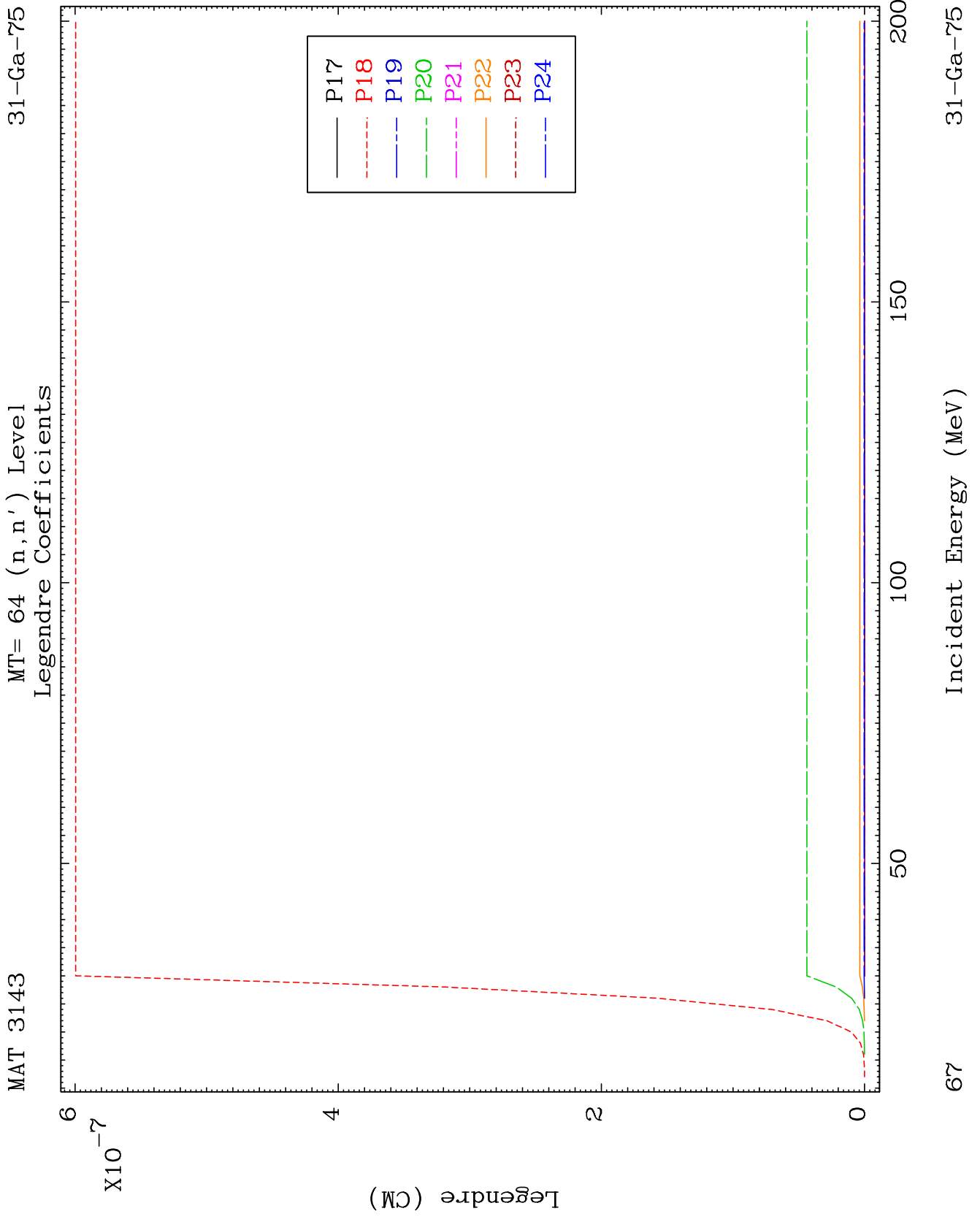
31-Ga-75



66

Incident Energy (MeV)

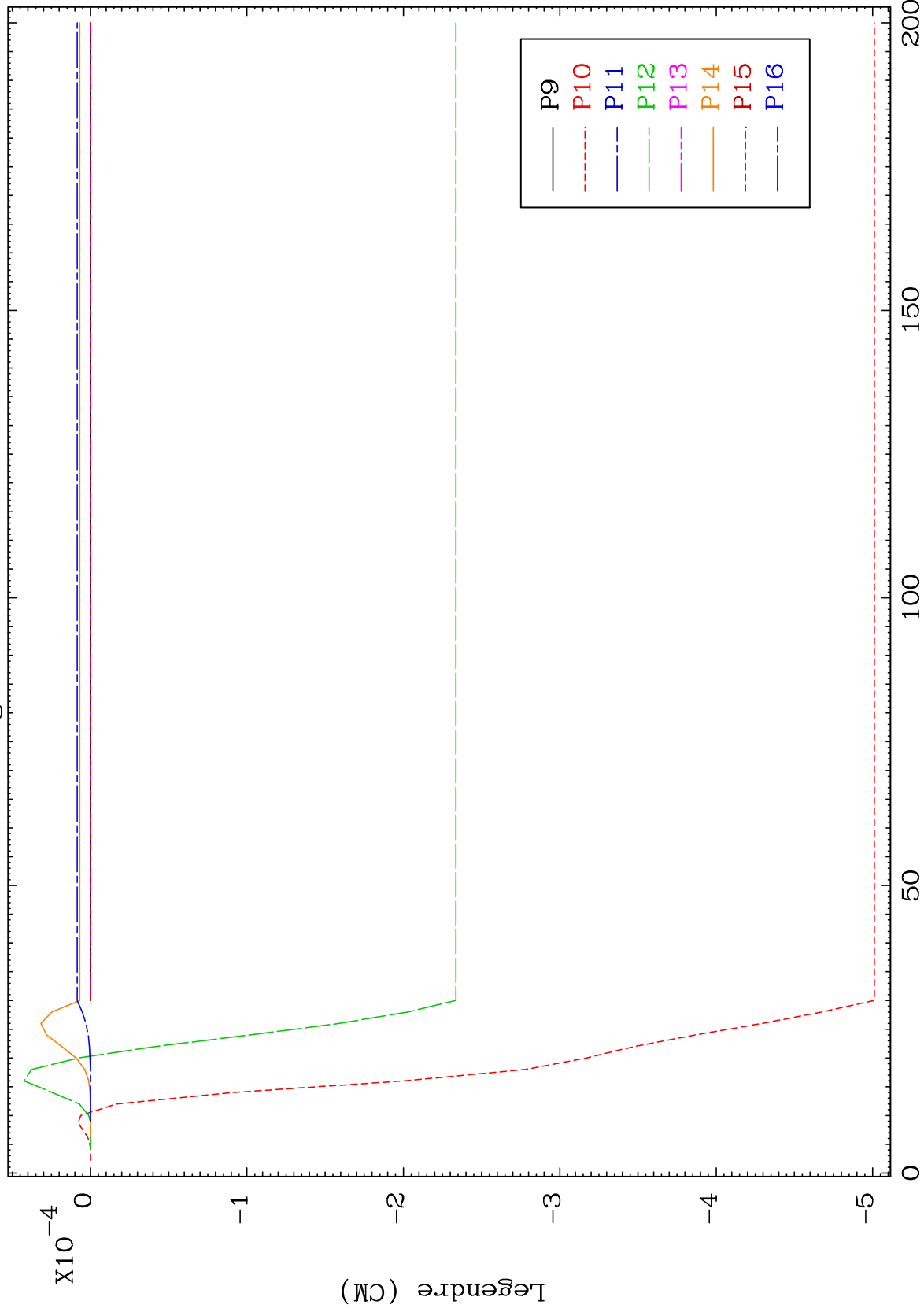
31-Ga-75



MAT 3143

31-Ga-75

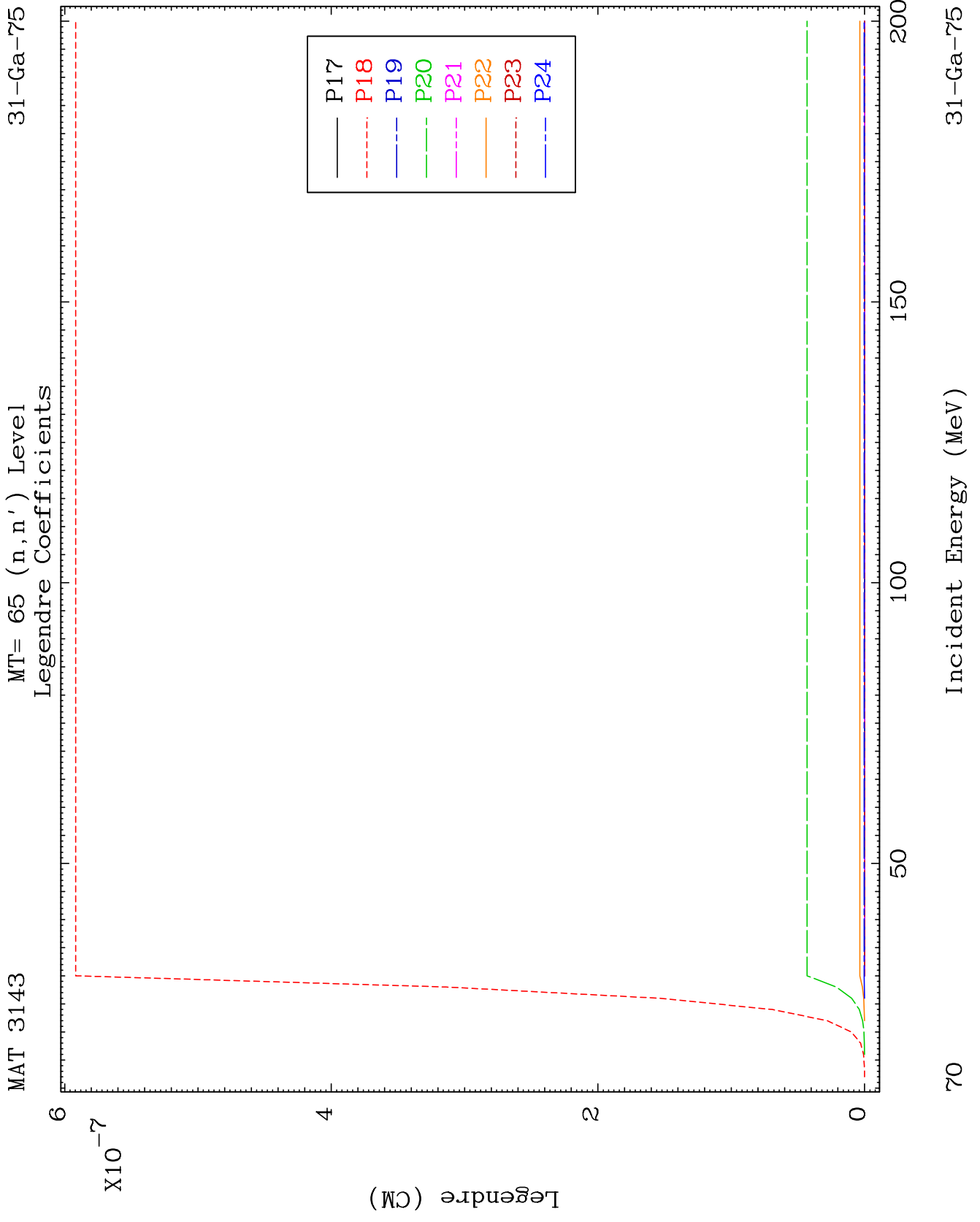
MT= 65 (n,n') Level
Legendre Coefficients



69

Incident Energy (MeV)

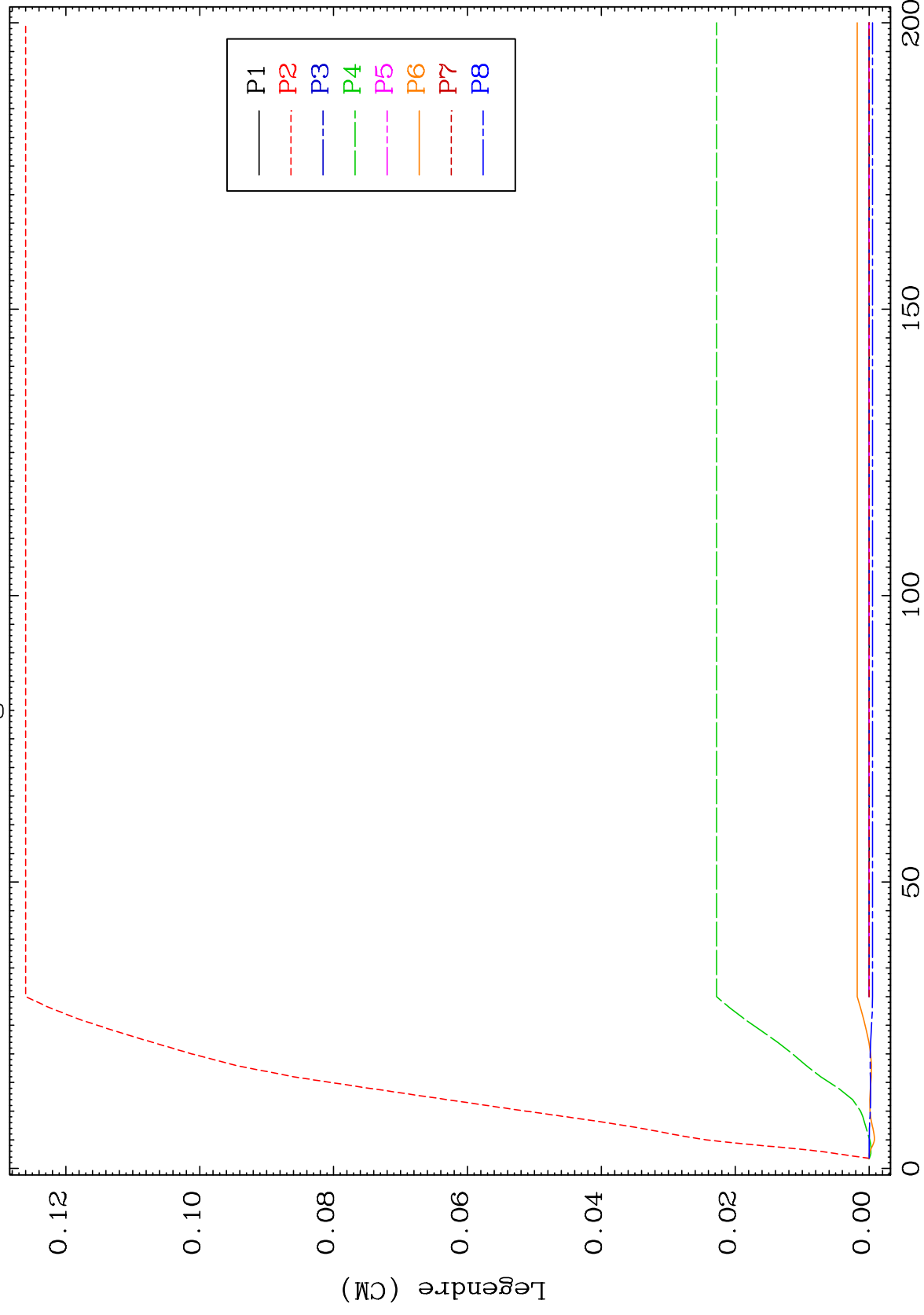
31-Ga-75



MAT 3143

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

31-Ga-75



71

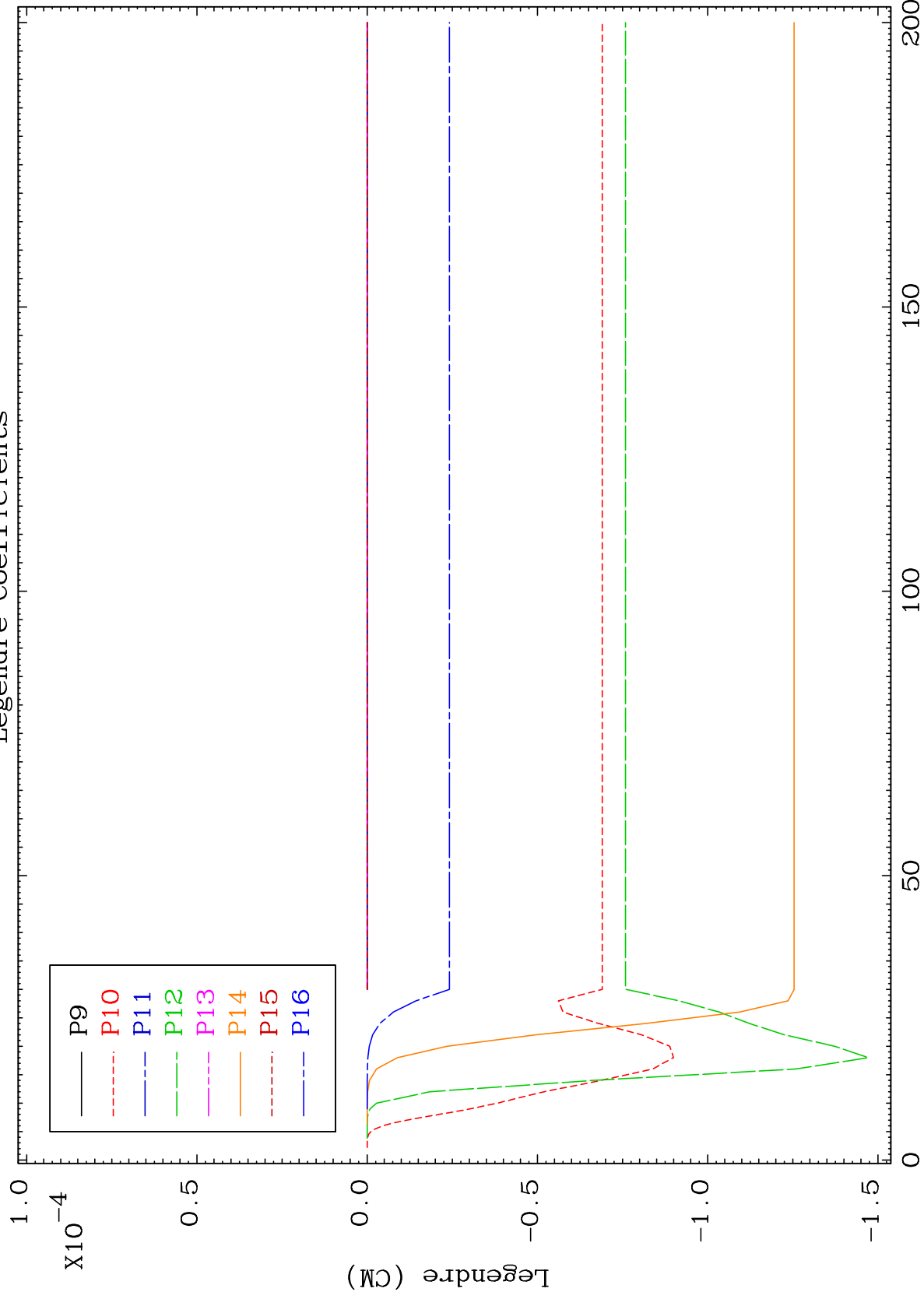
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

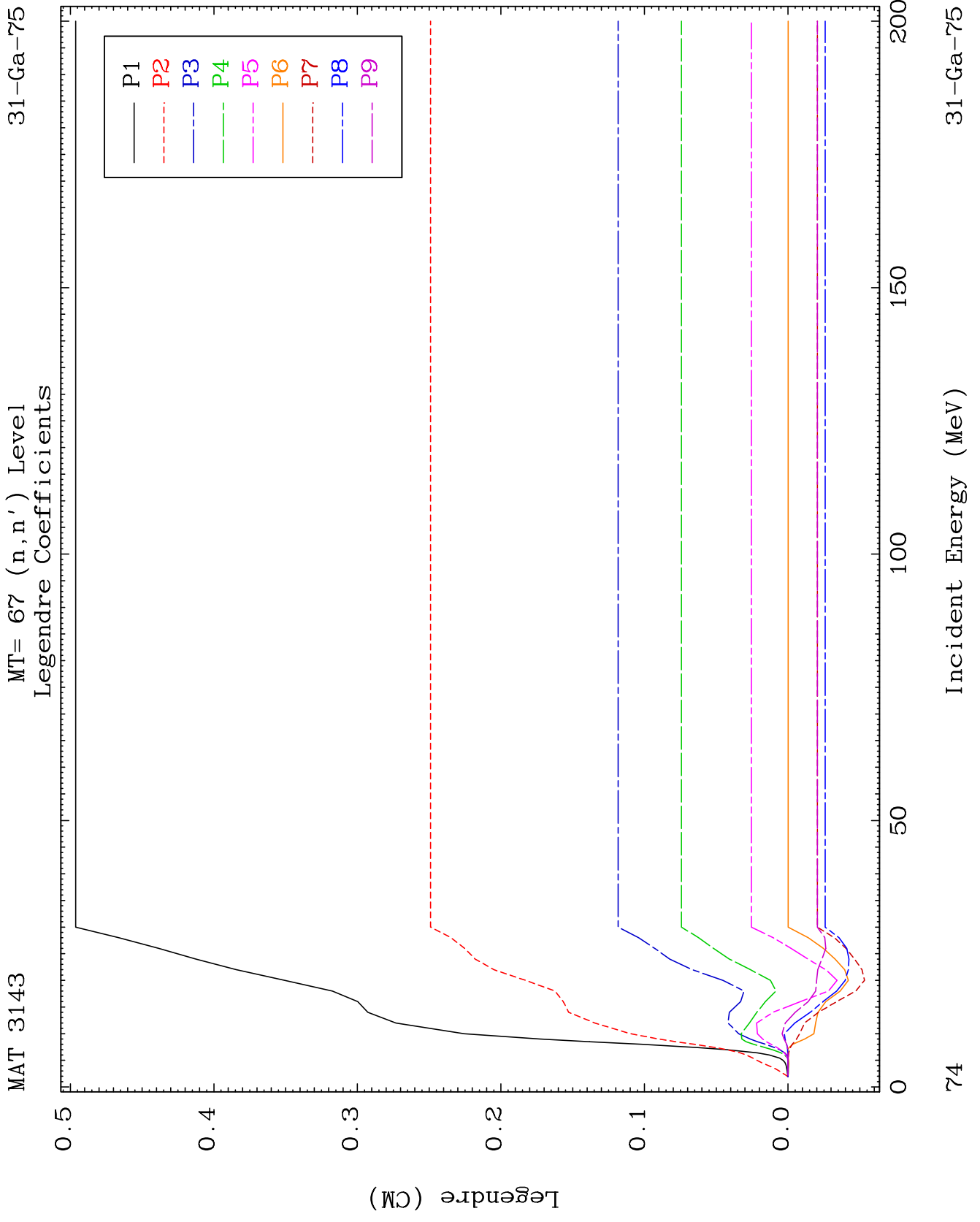
31-Ga-75

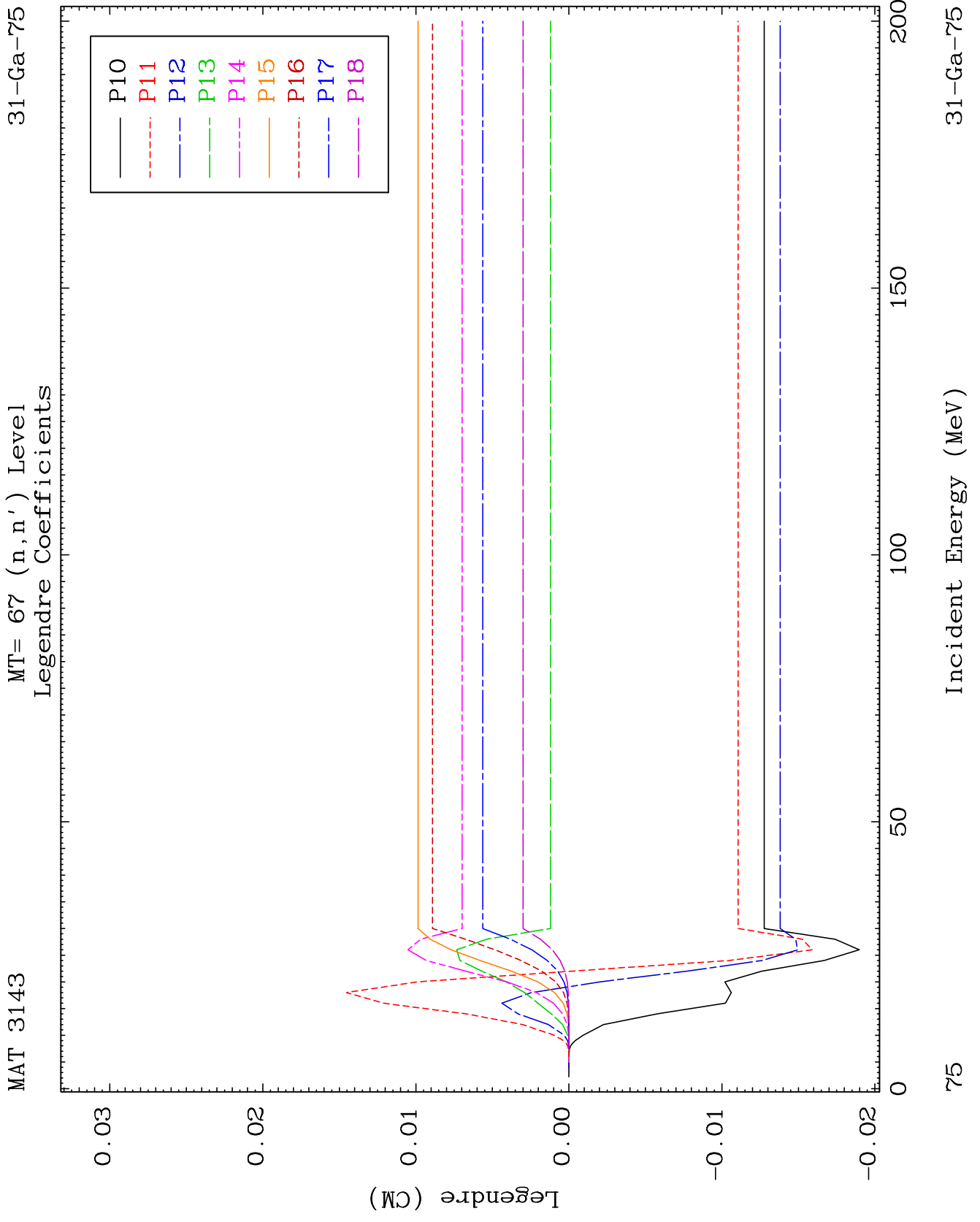


72

Incident Energy (MeV)

31-Ga-75

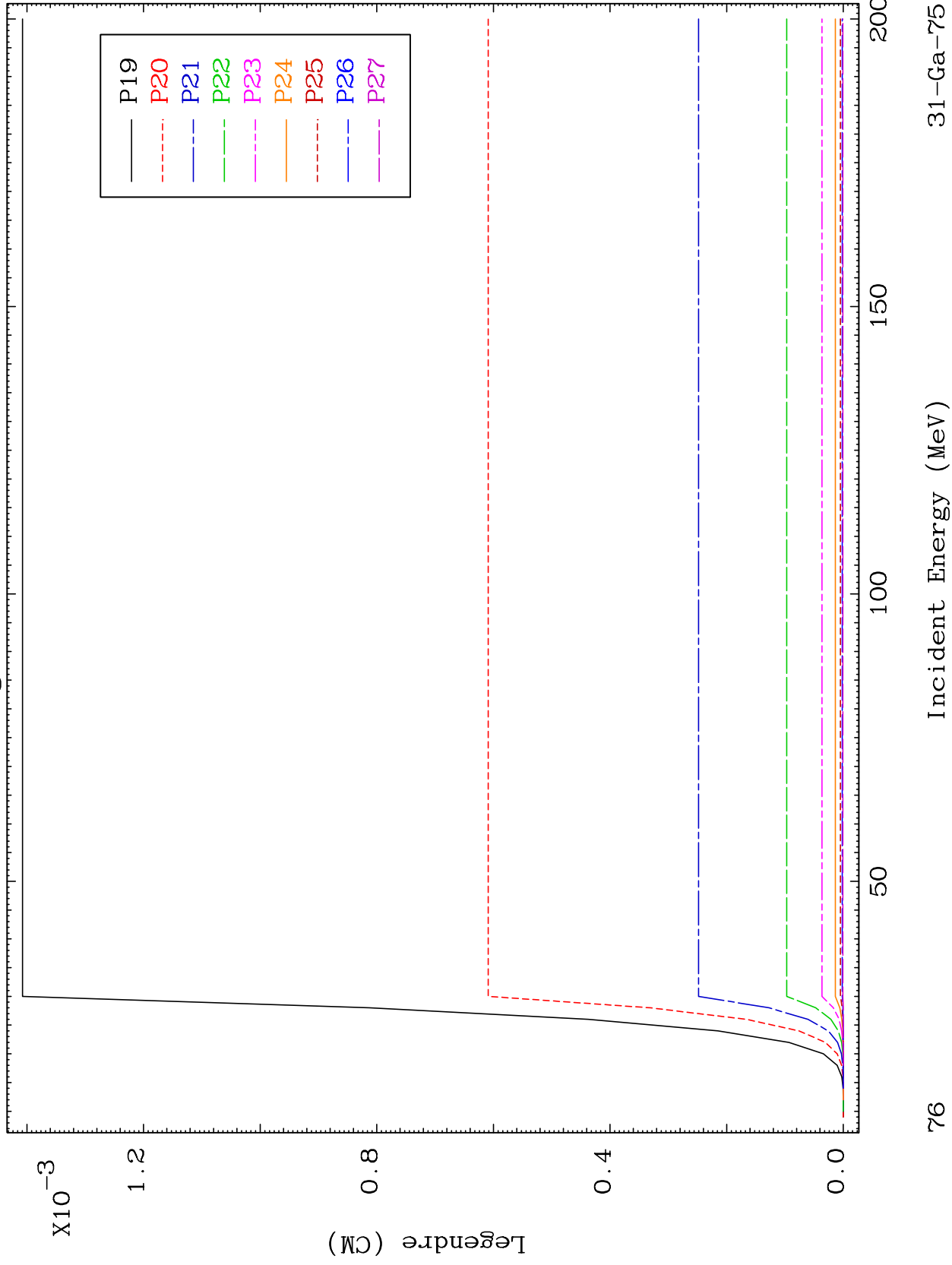




MAT 3143

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

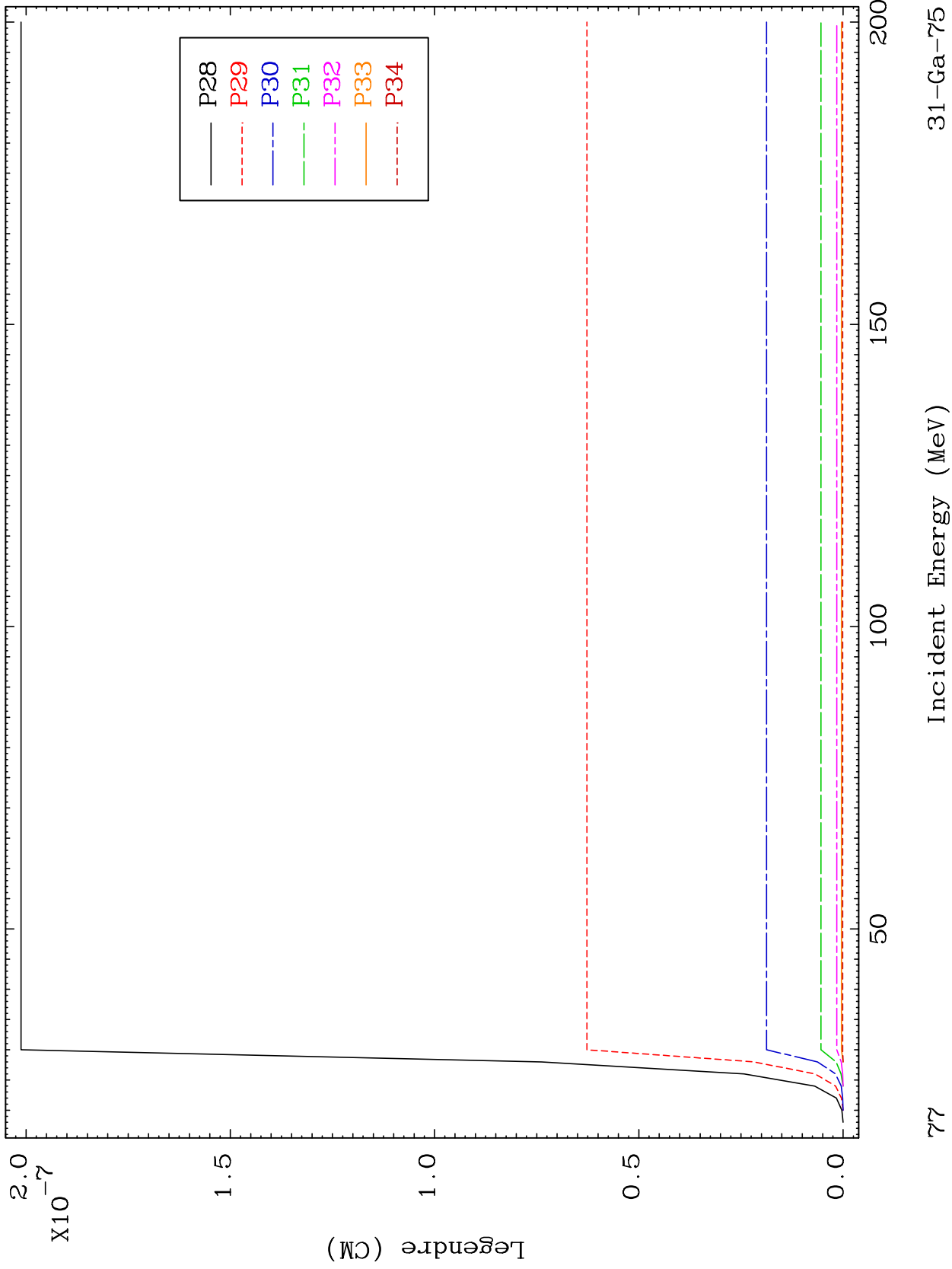
³¹Ga-75

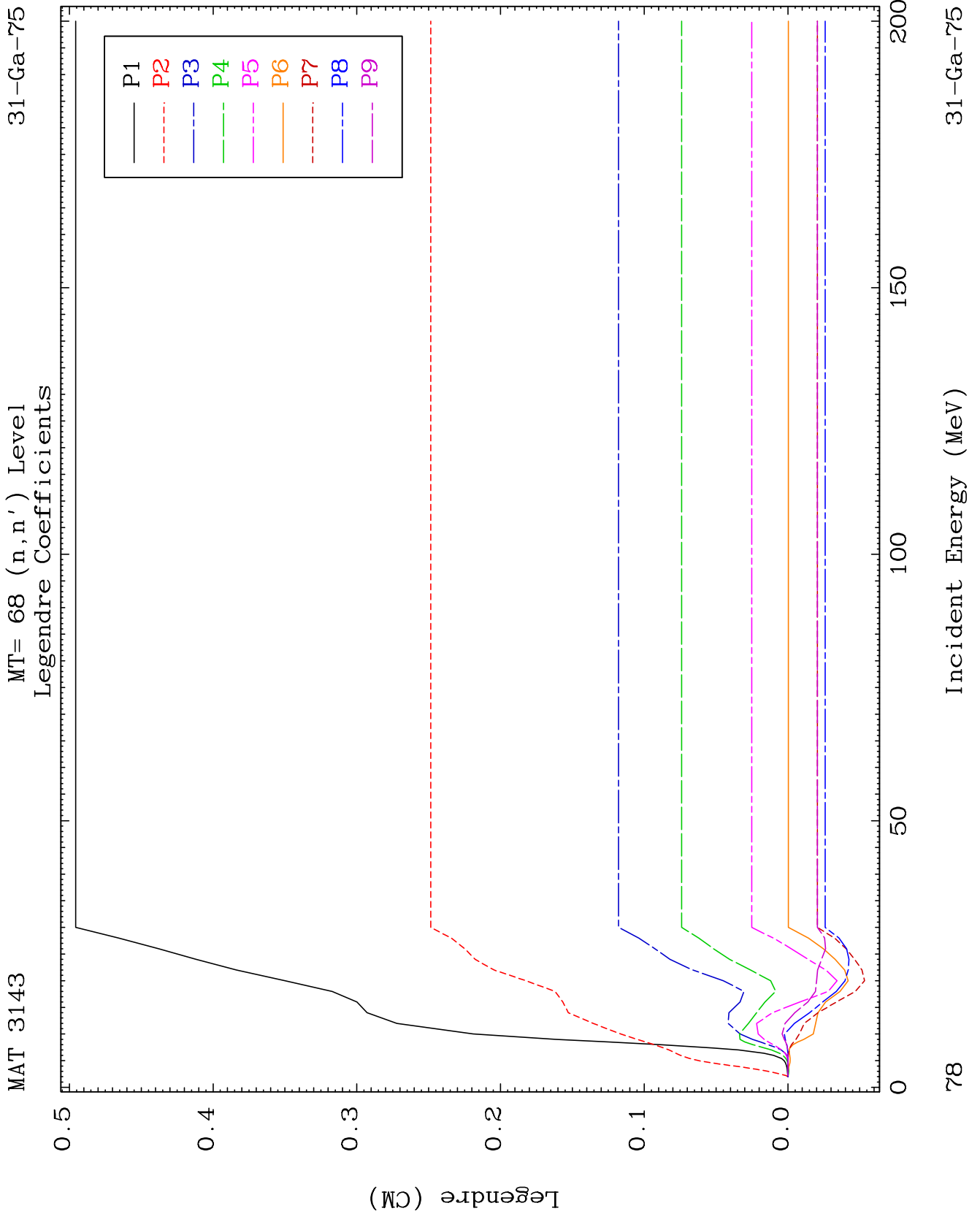


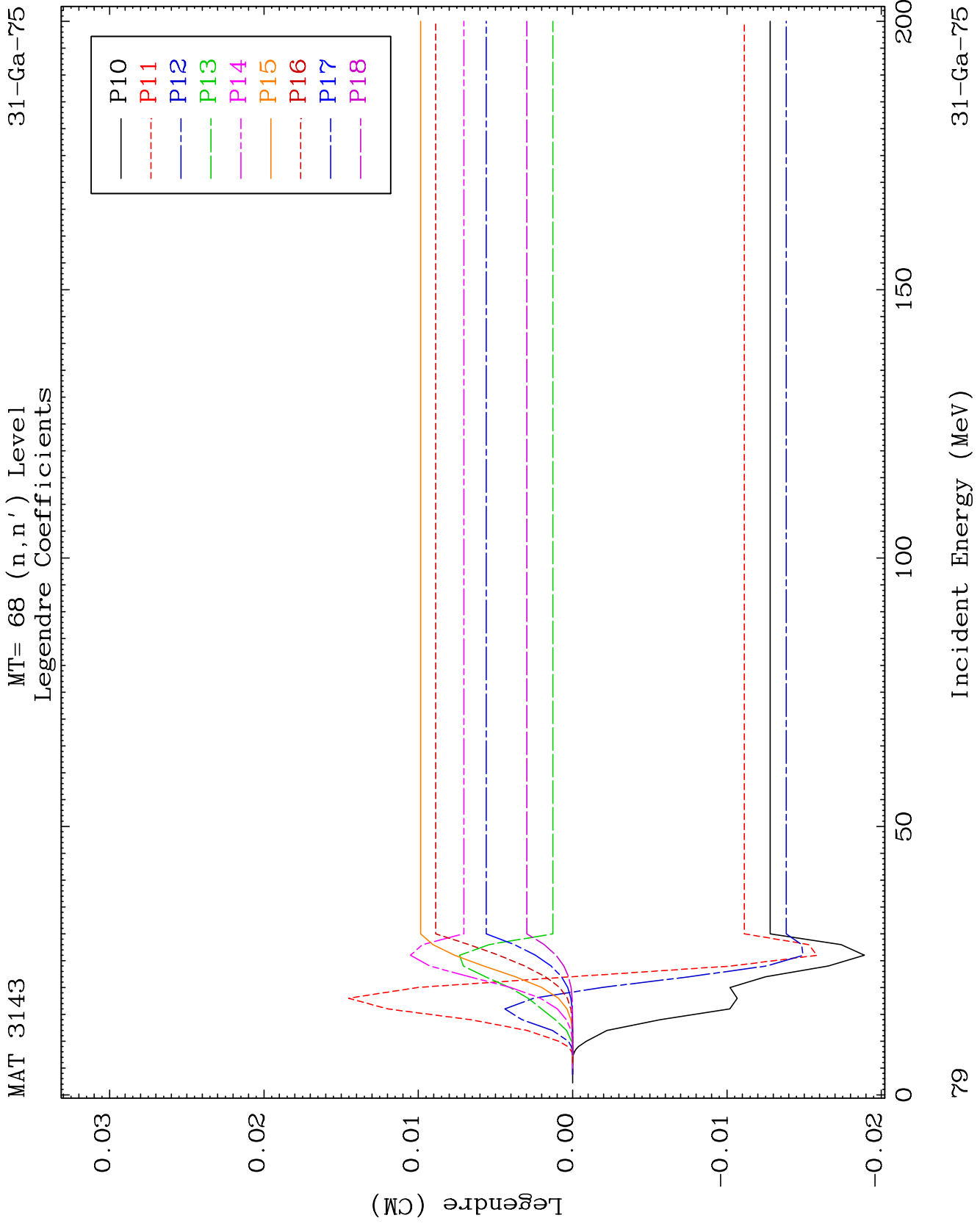
MAT 3143

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

31-Ga-75



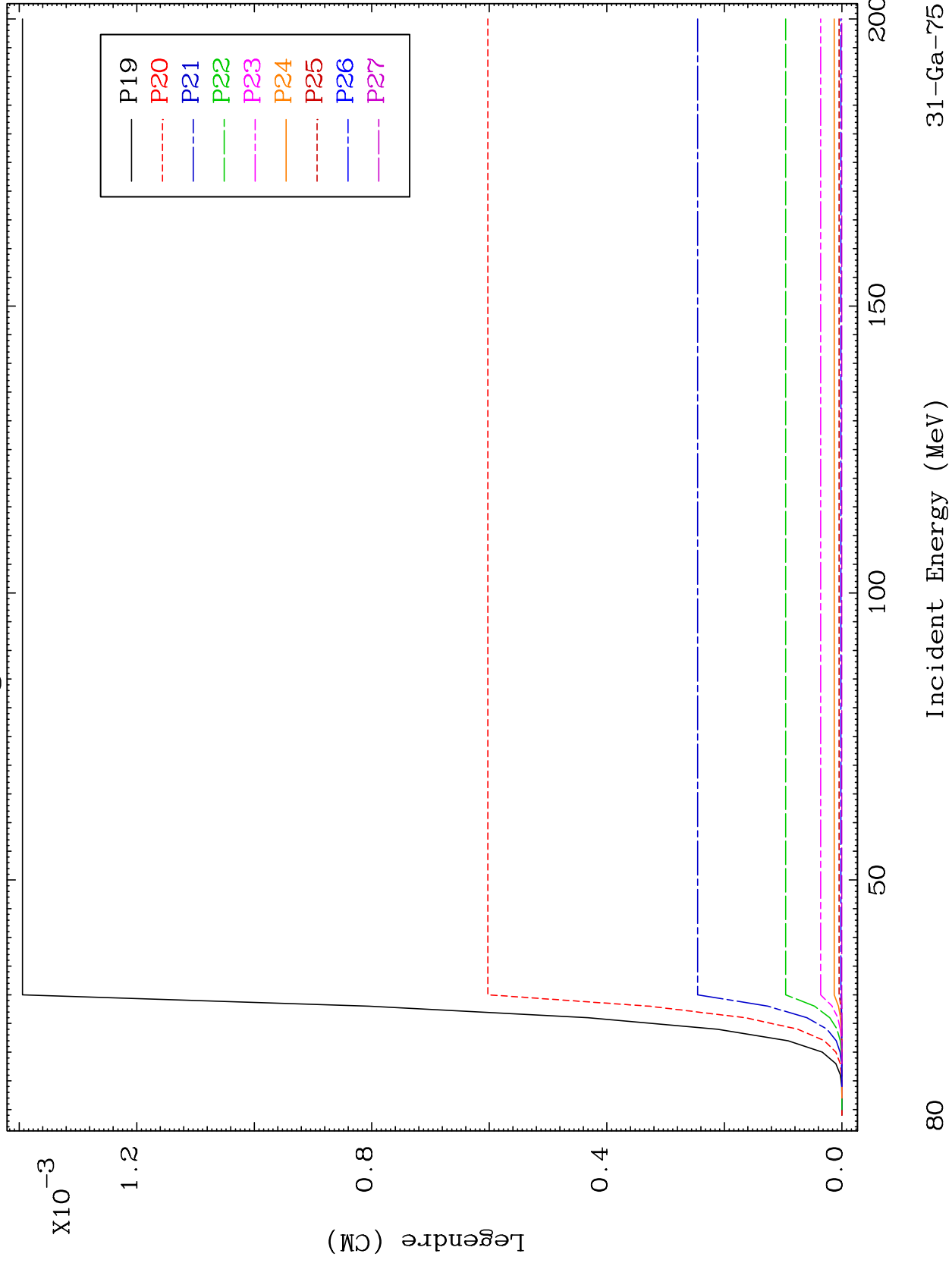




MAT 3143

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

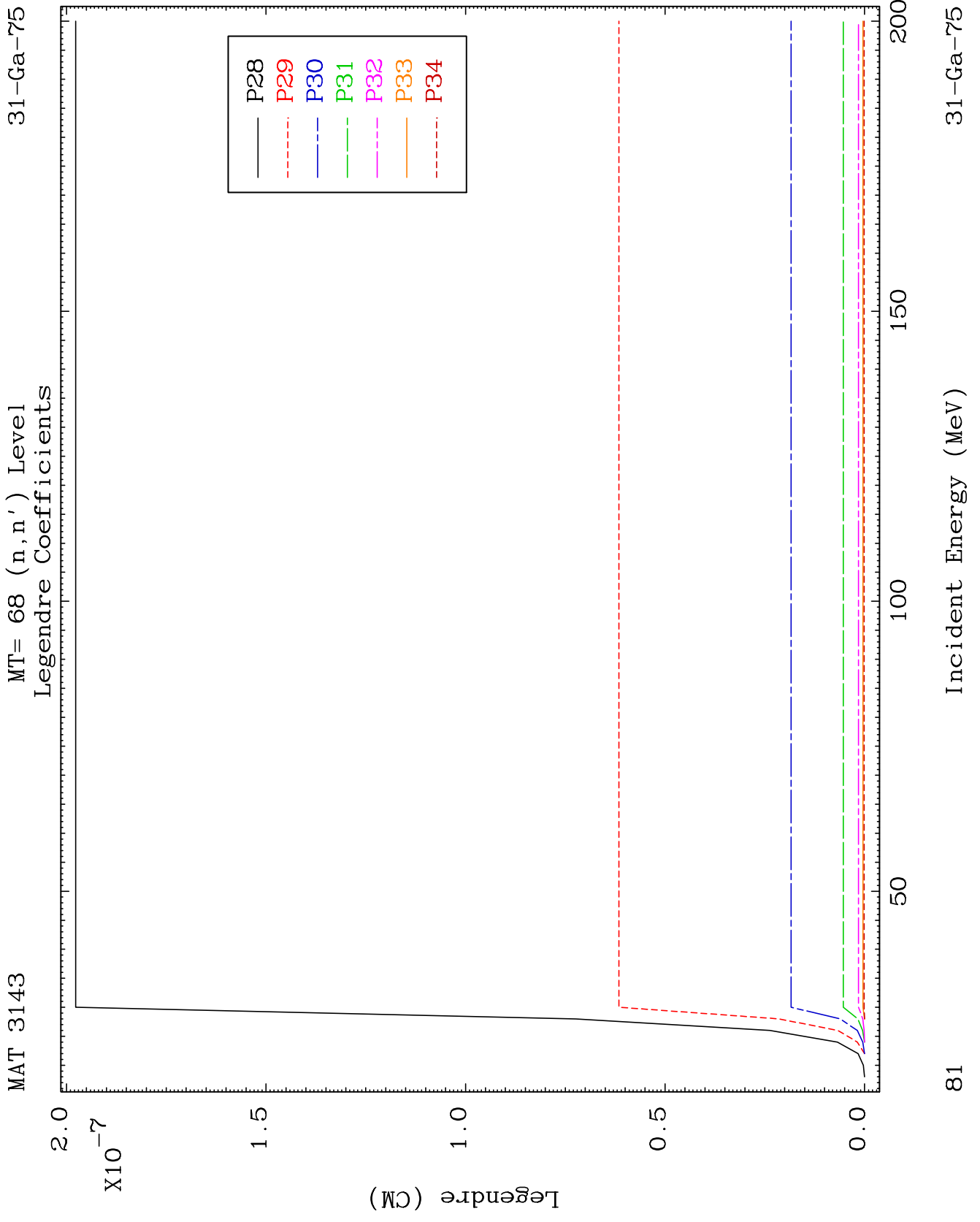
³¹Ga-75

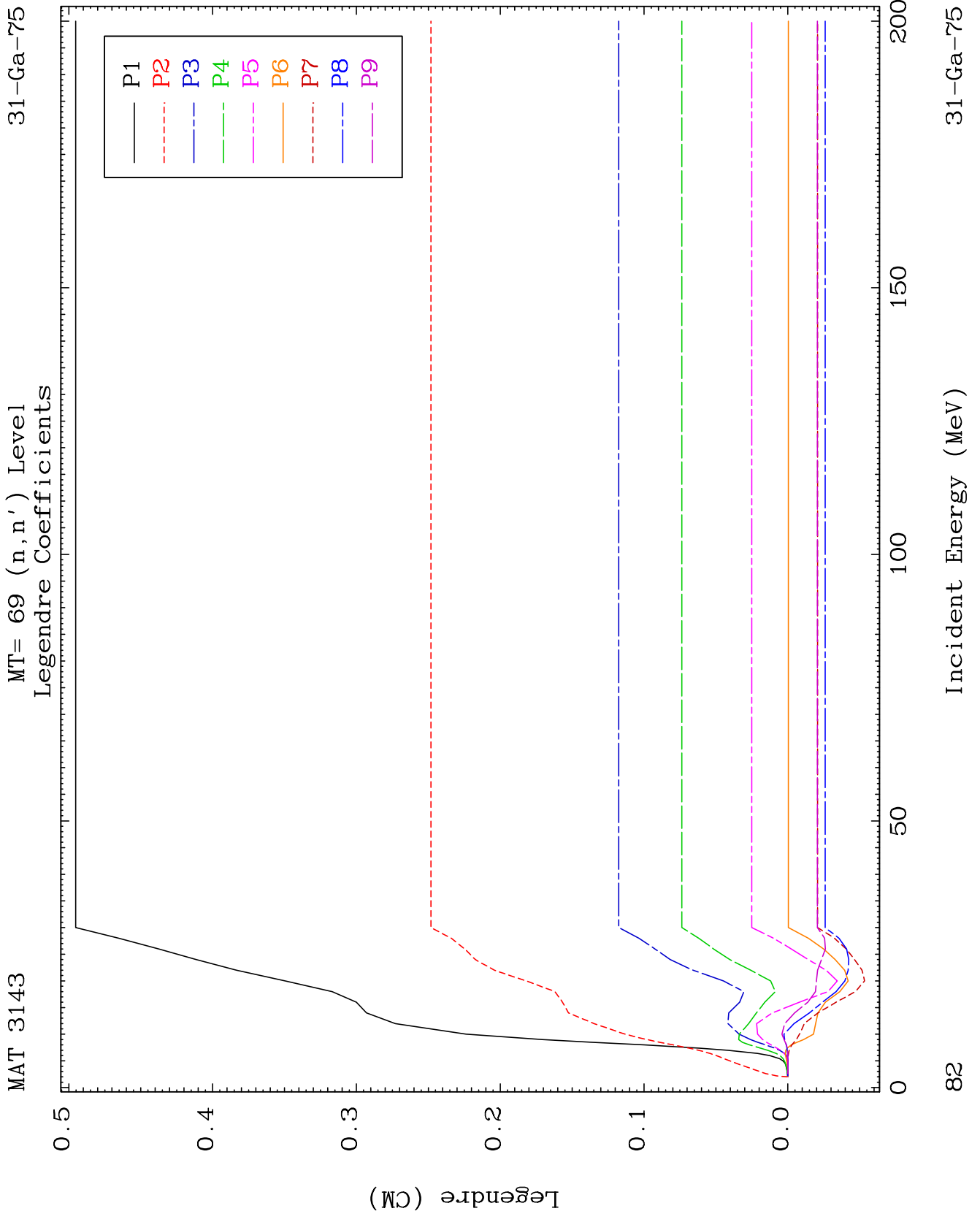


³¹Ga-75

Incident Energy (MeV)

80

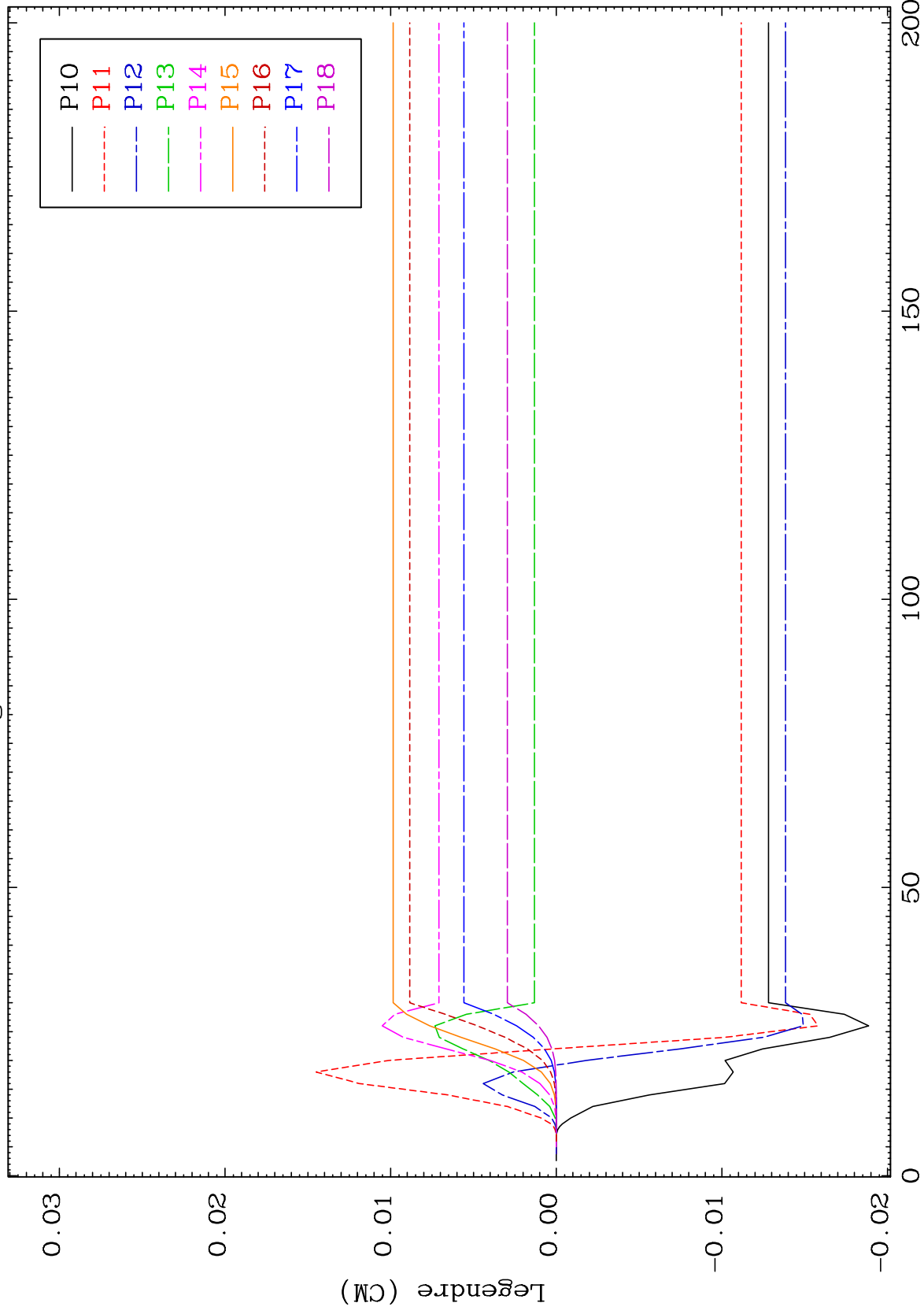




MAT 3143

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

³¹Ga-75



83

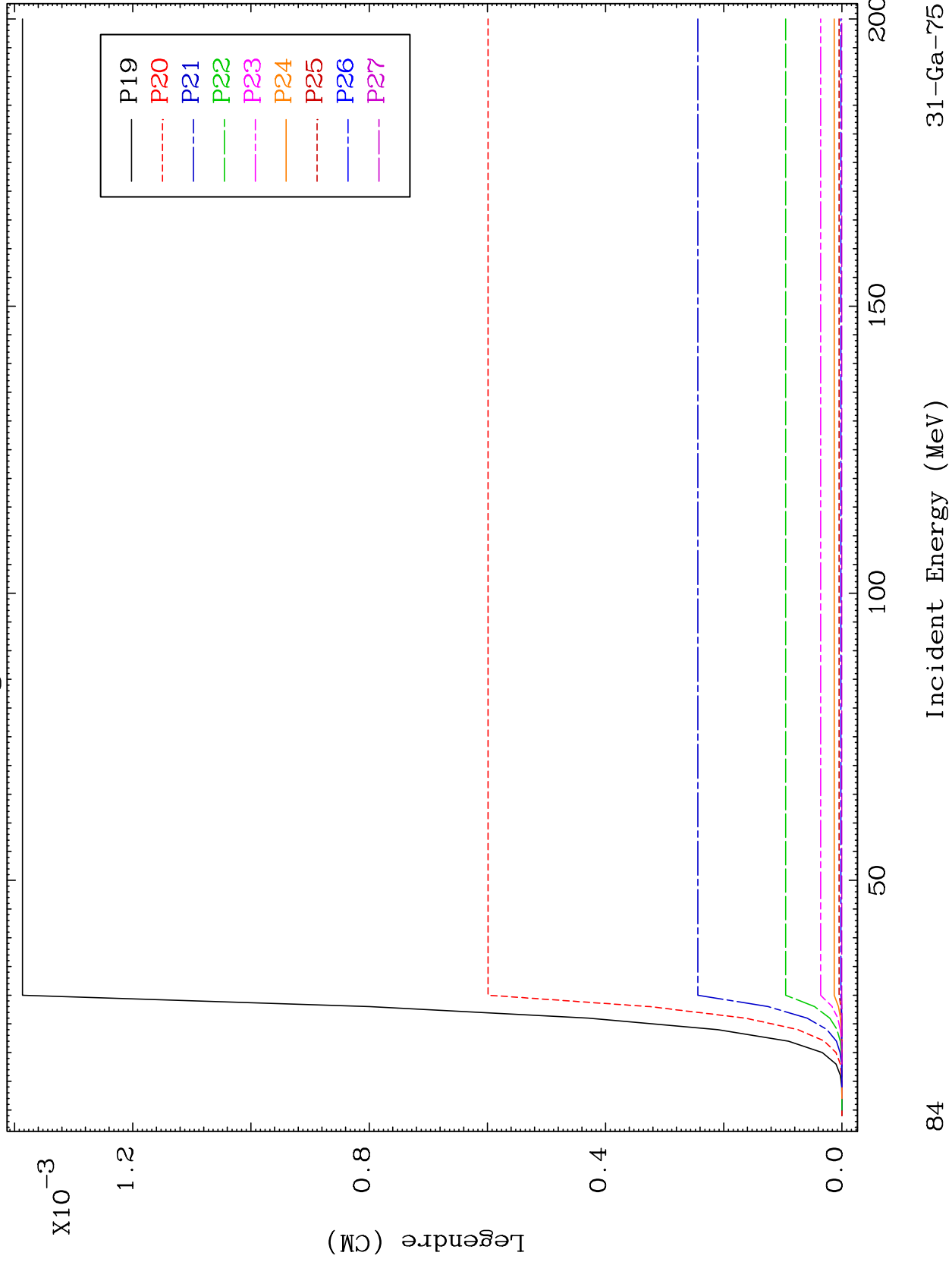
Incident Energy (MeV)

³¹Ga-75

MAT 3143

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

31-Ga-75



84

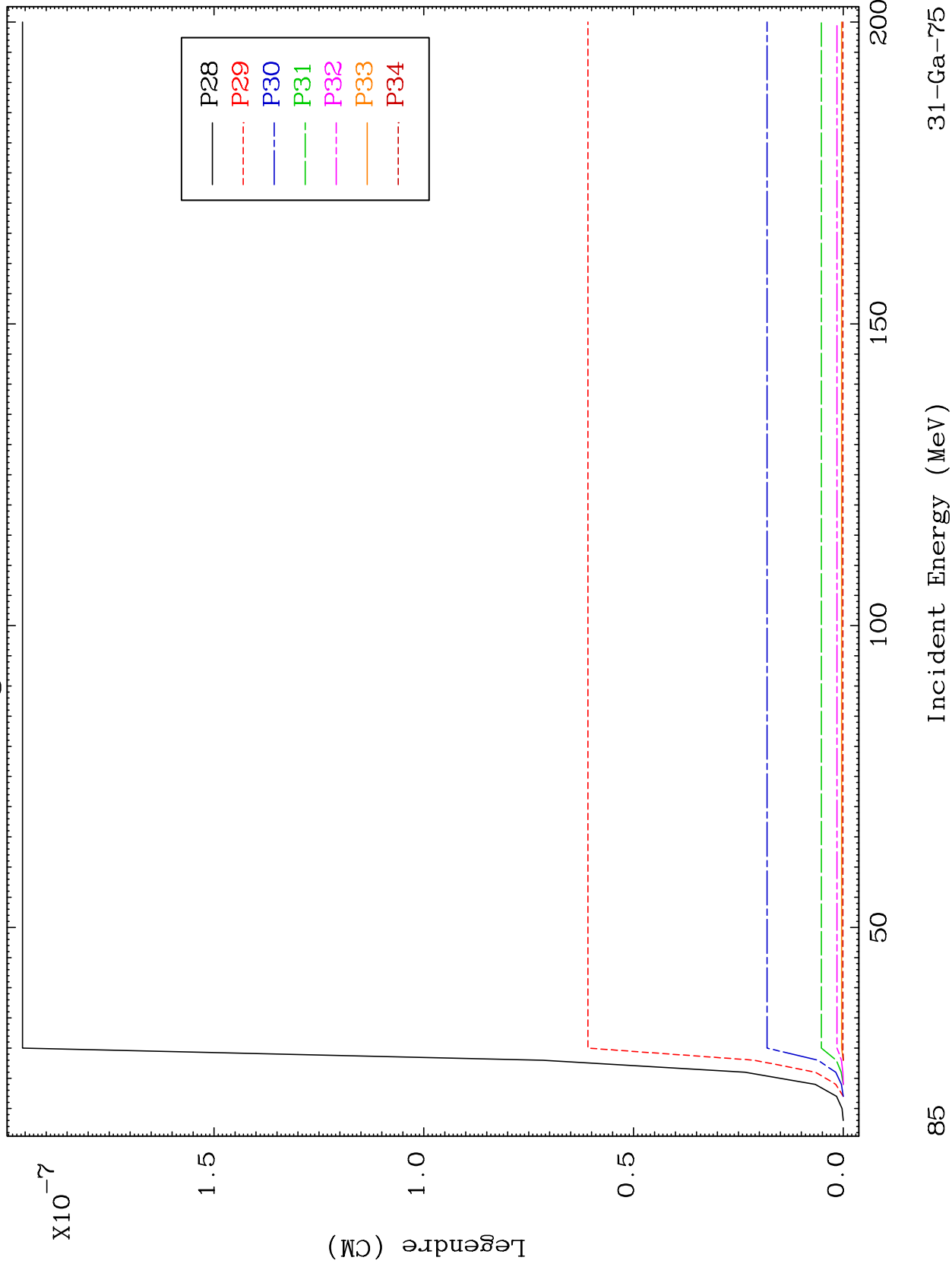
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

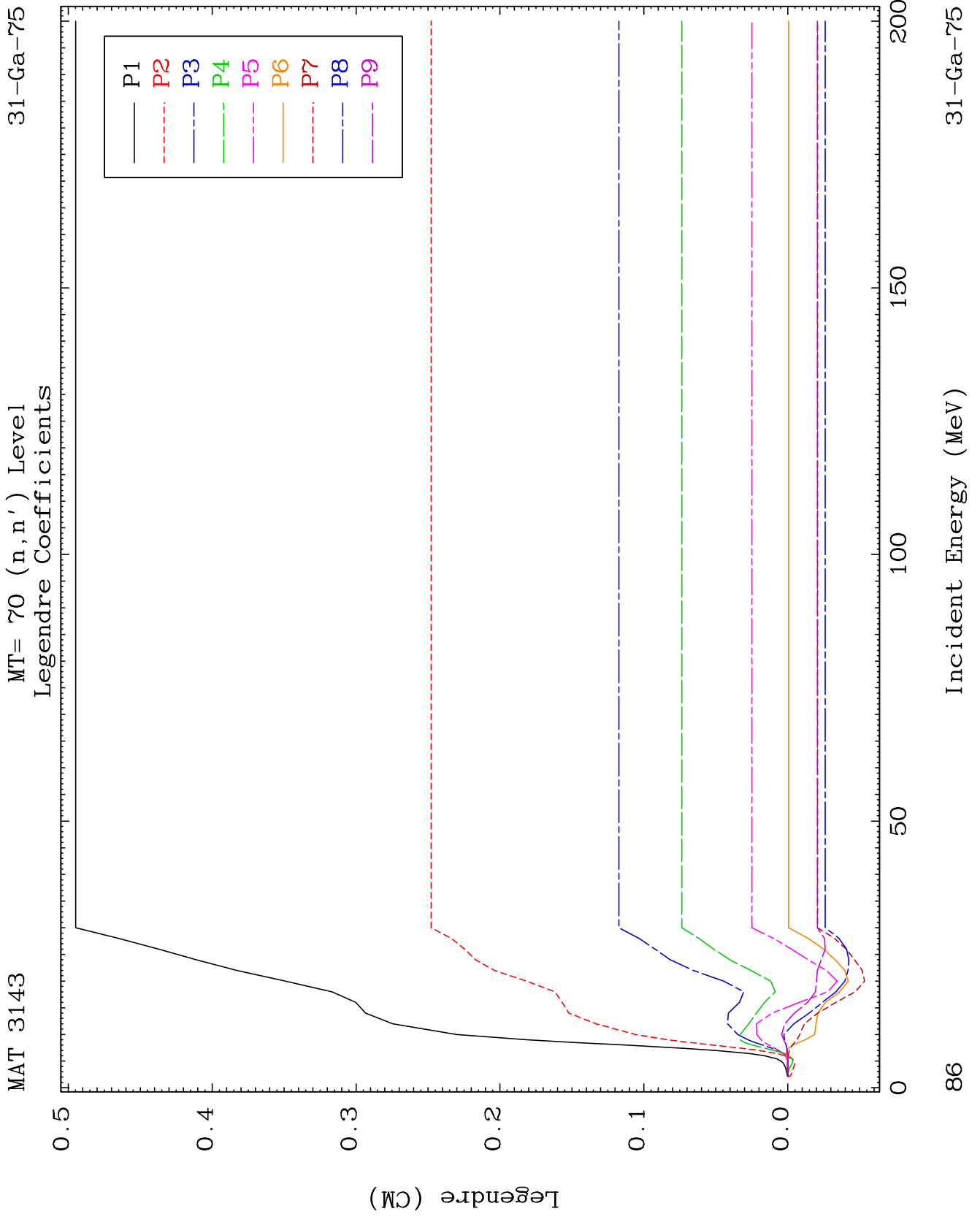
31-Ga-75

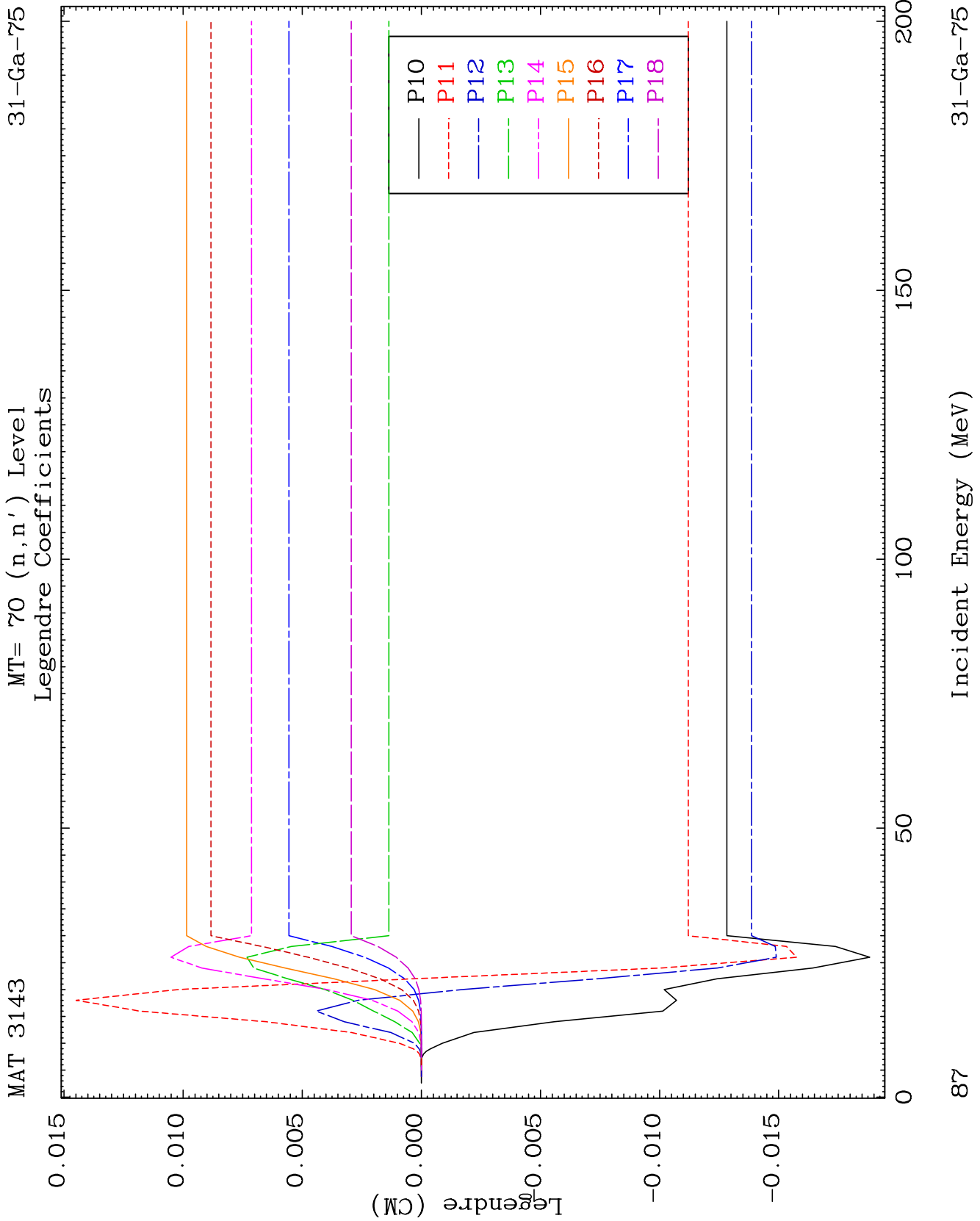


85

Incident Energy (MeV)

31-Ga-75

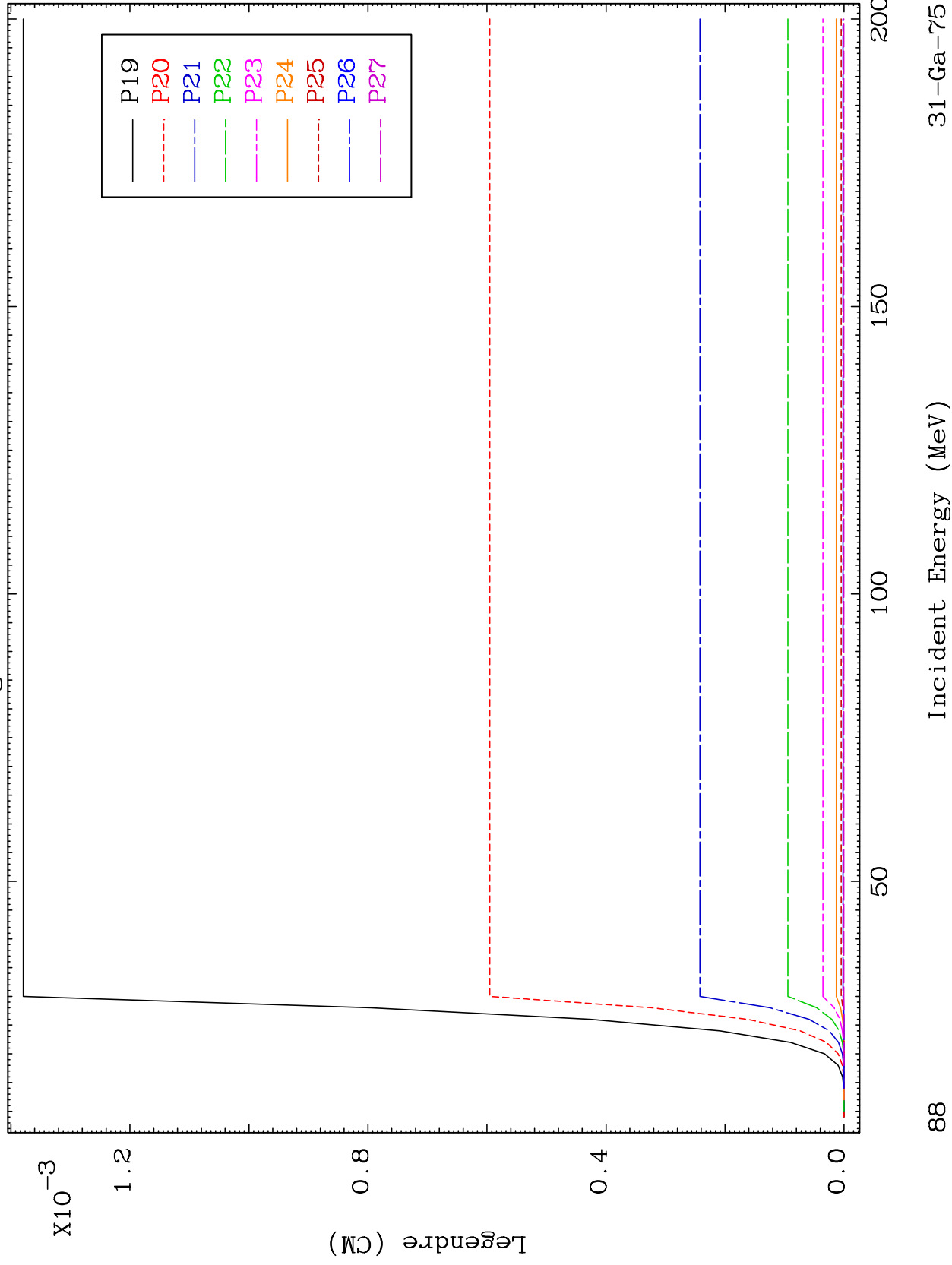




MAT 3143

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

³¹Ga-75



88

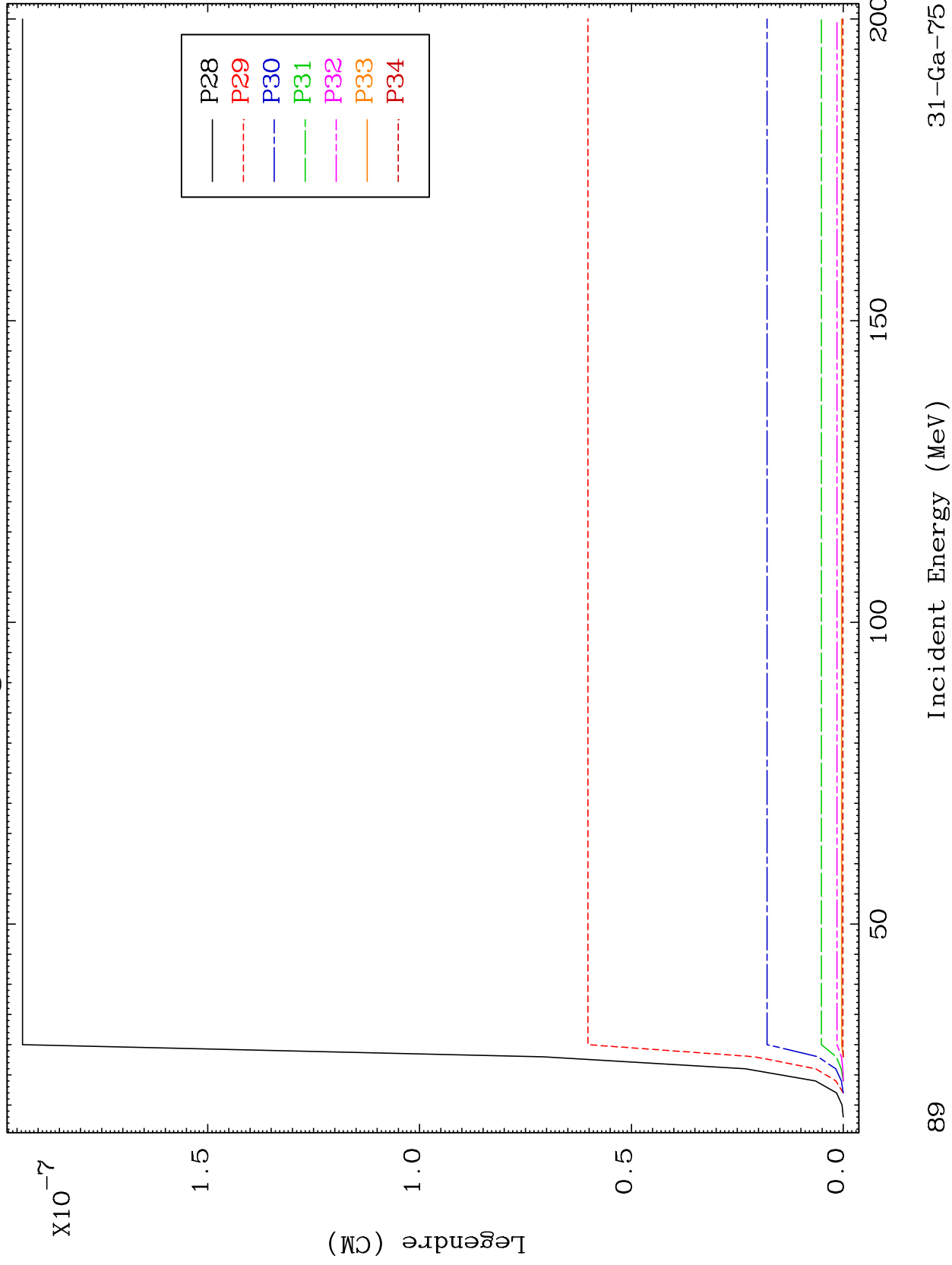
Incident Energy (MeV)

³¹Ga-75

MAT 3143

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

31-Ga-75



89

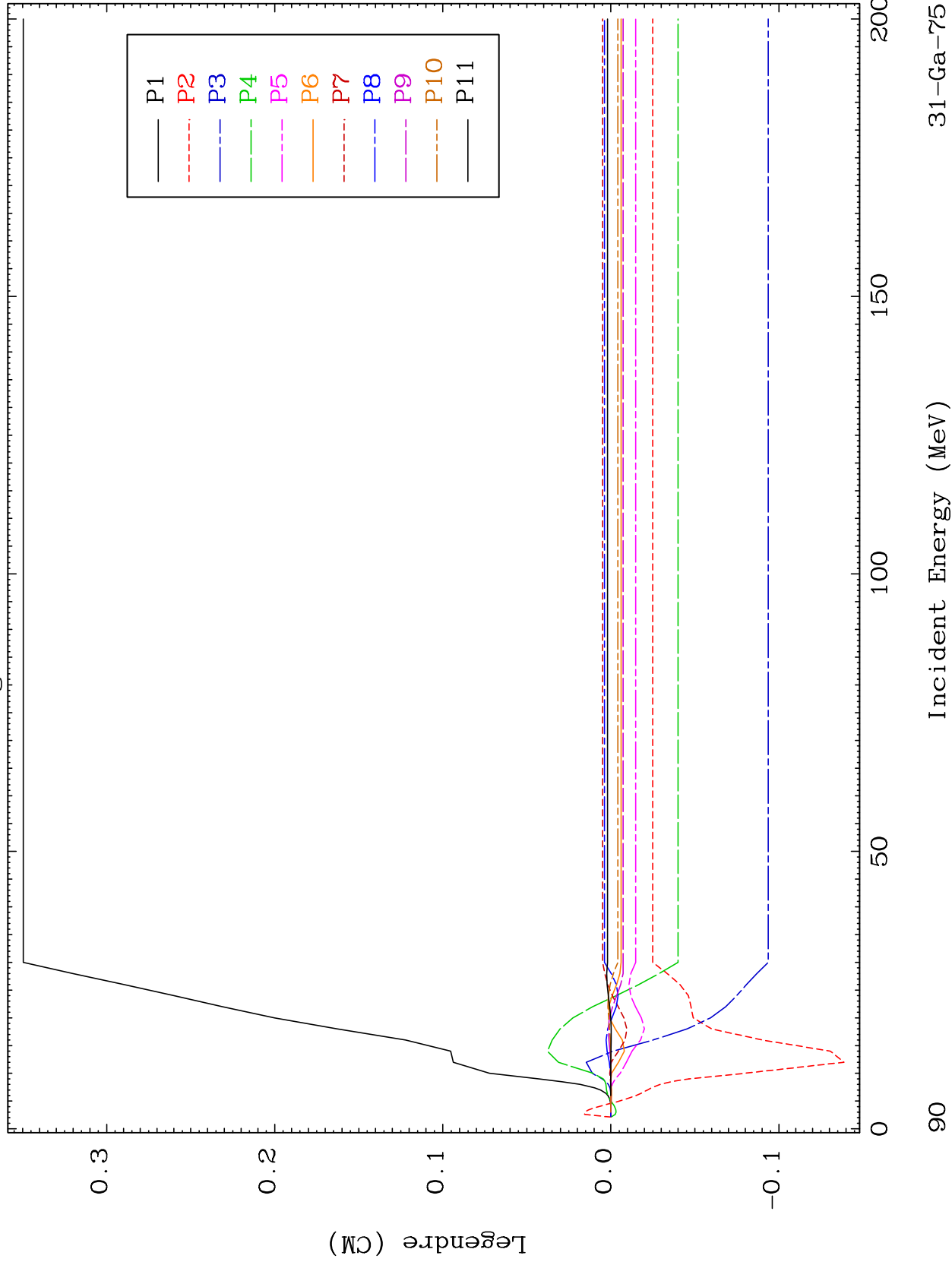
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

³¹Ga-75

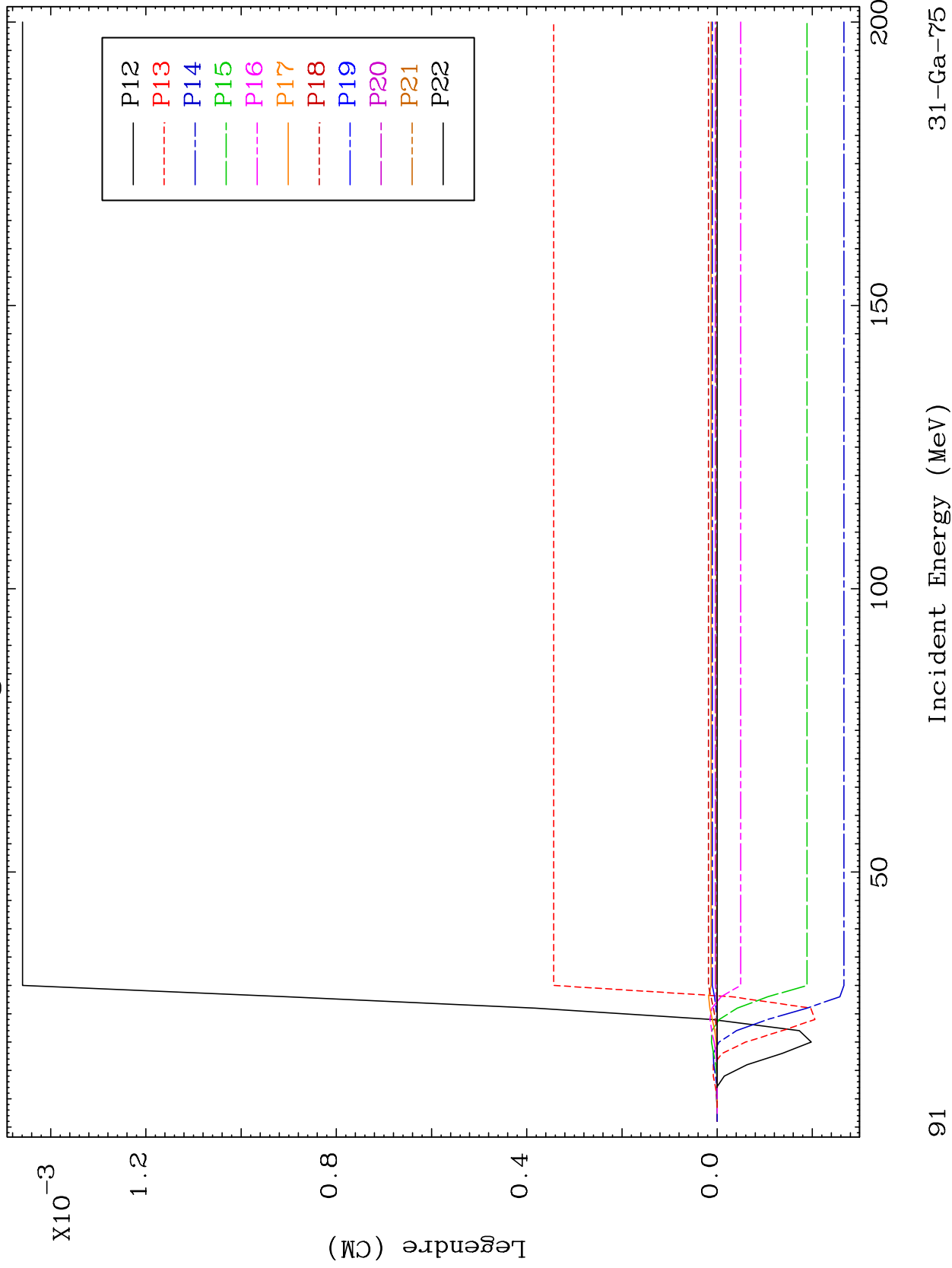


³¹Ga-75

MAT 3143

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

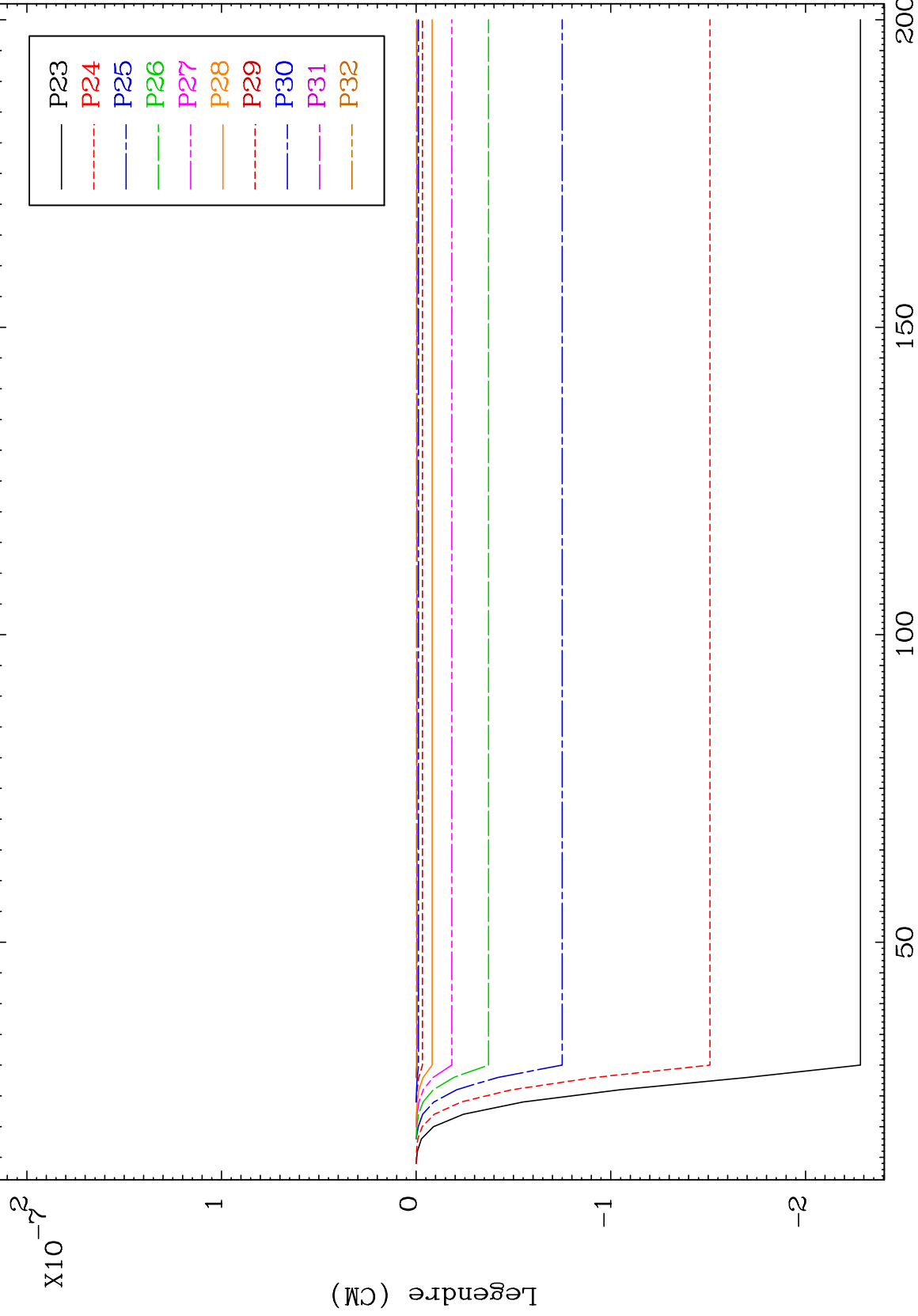
31-Ga-75



MAT 3143

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

31-Ga-75



92

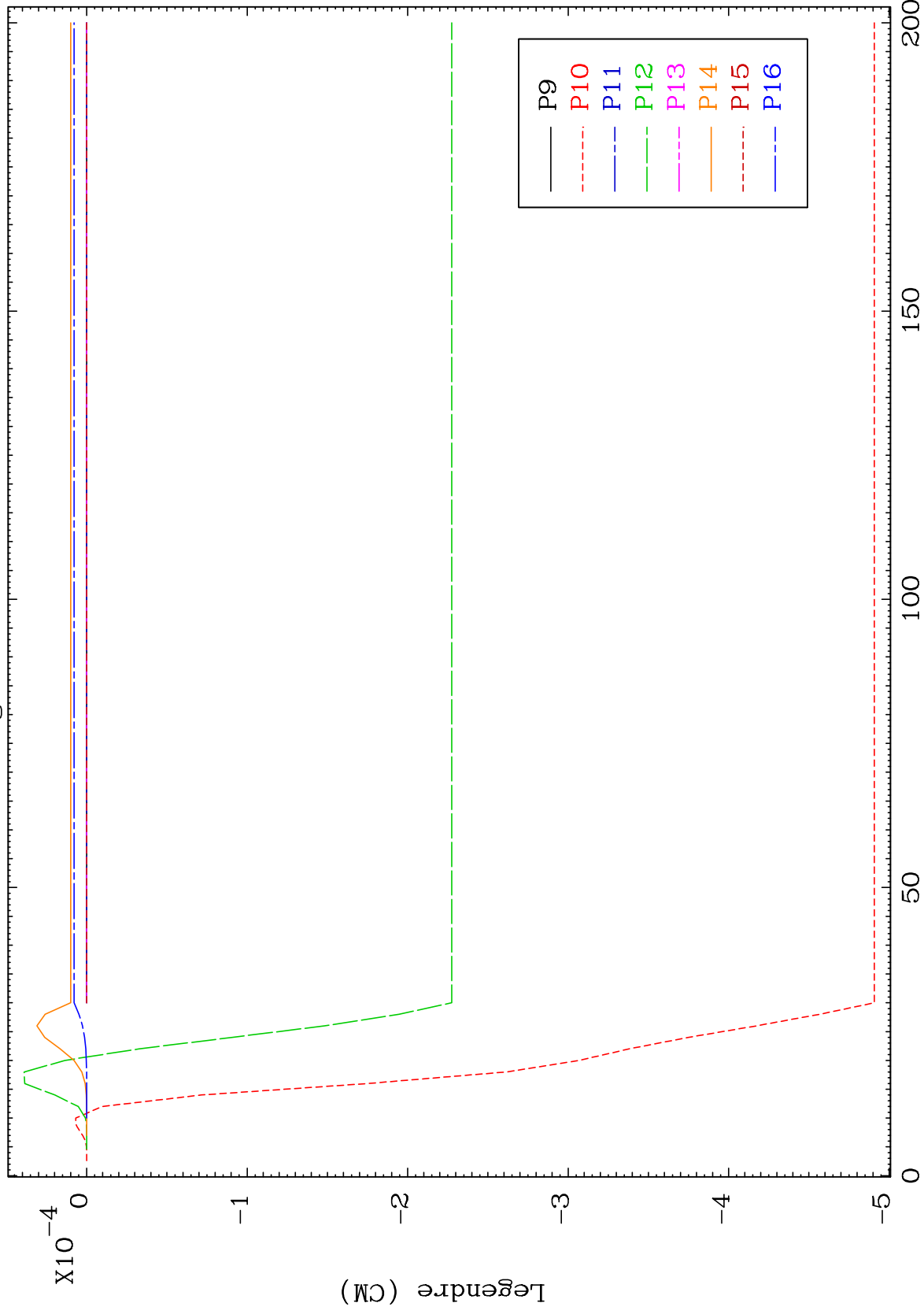
Incident Energy (MeV)

31-Ga-75

MAT 3143

31-Ga-75

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



94

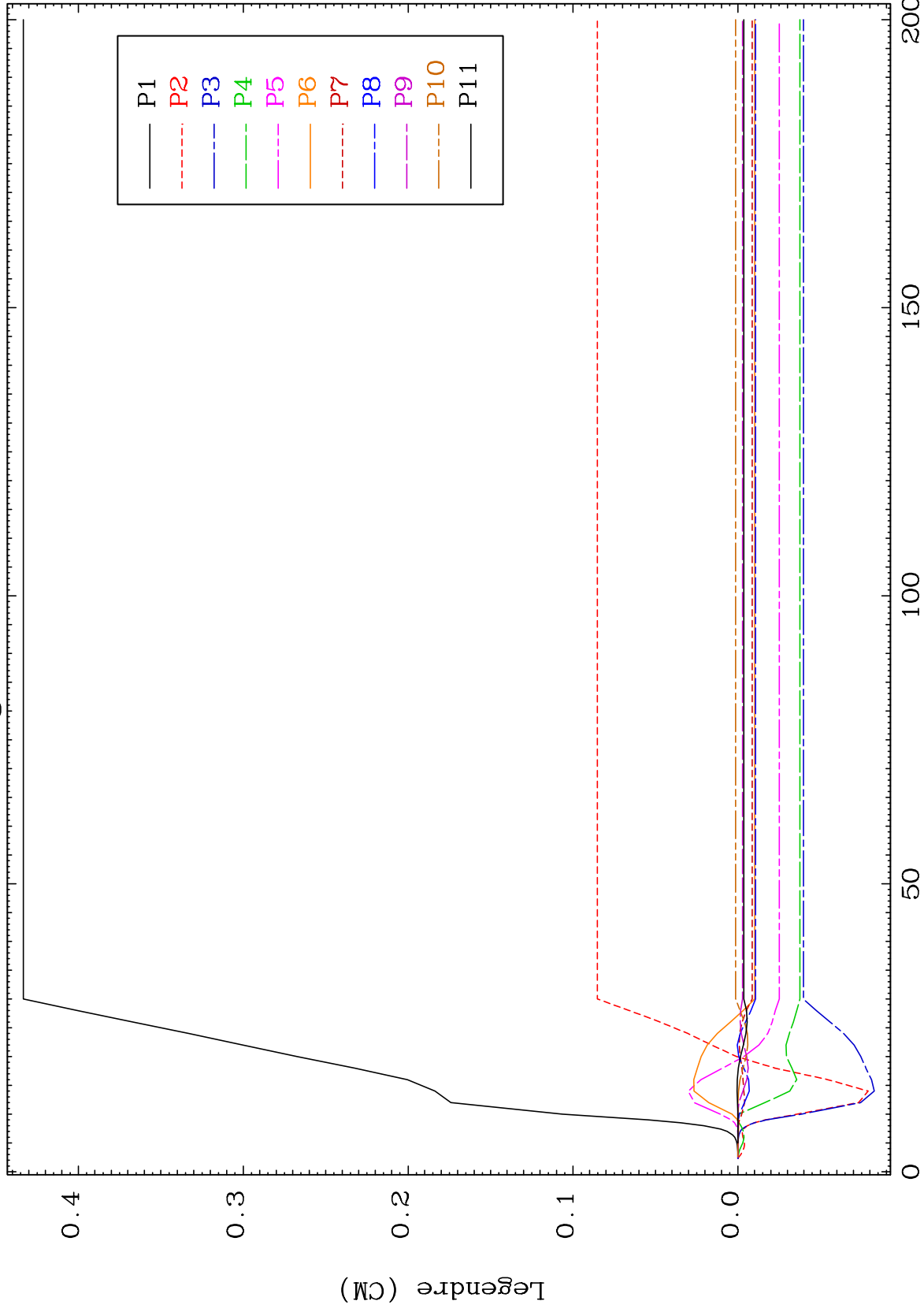
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

31-Ga-75



96

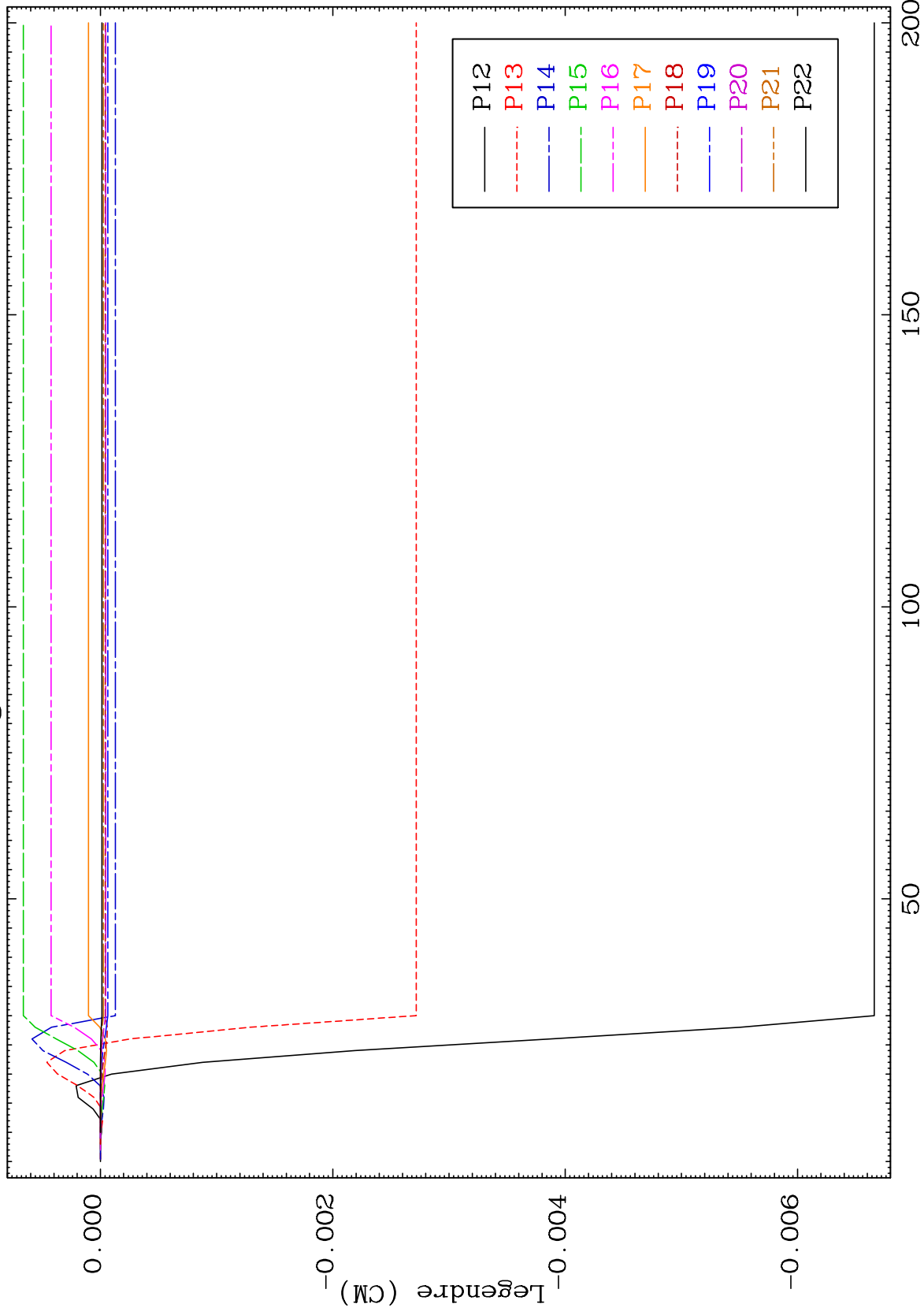
Incident Energy (MeV)

31-Ga-75

MAT 3143

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

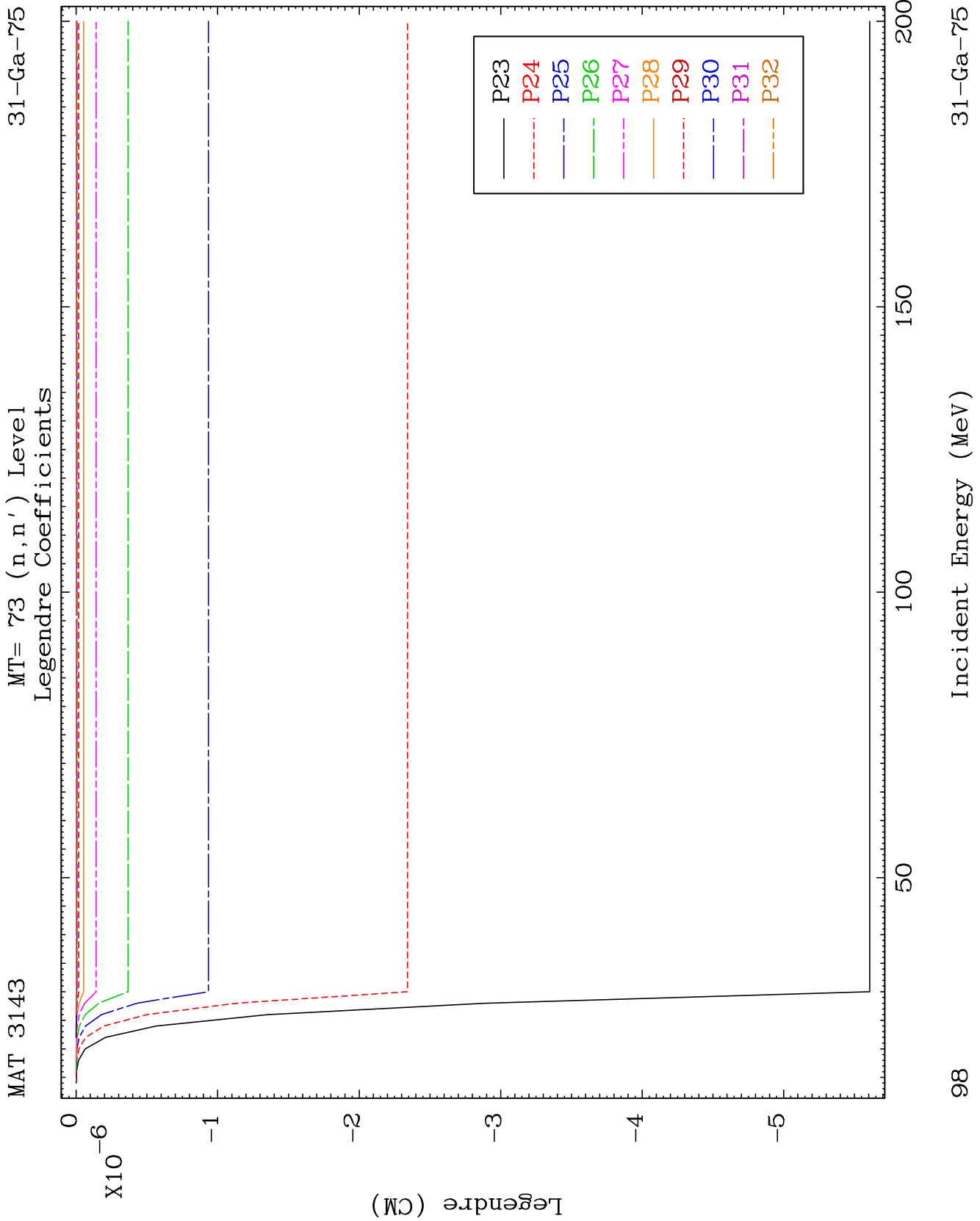
31-Ga-75

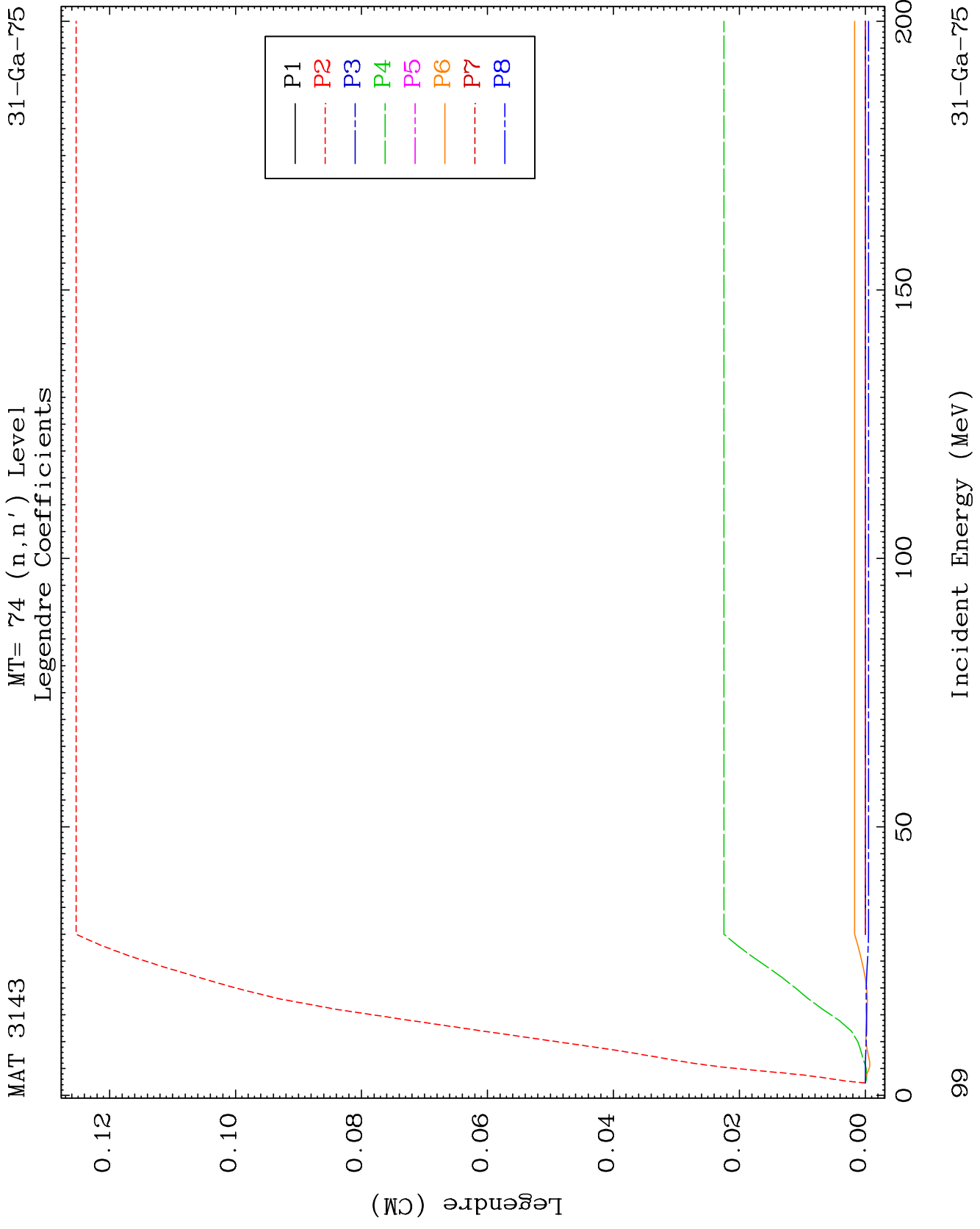


97

Incident Energy (MeV)

31-Ga-75

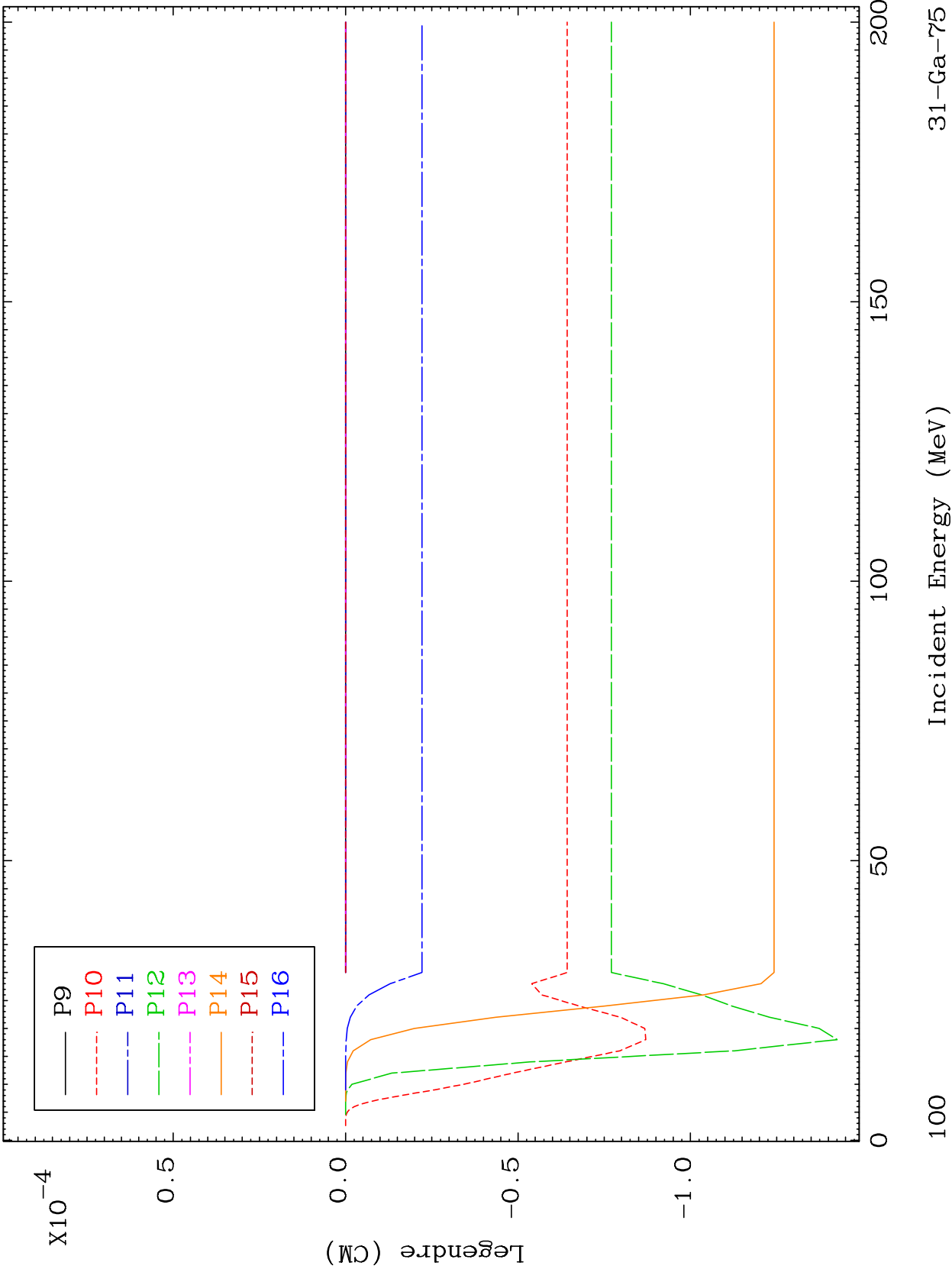
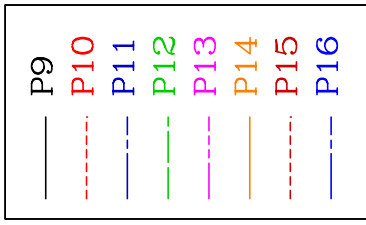




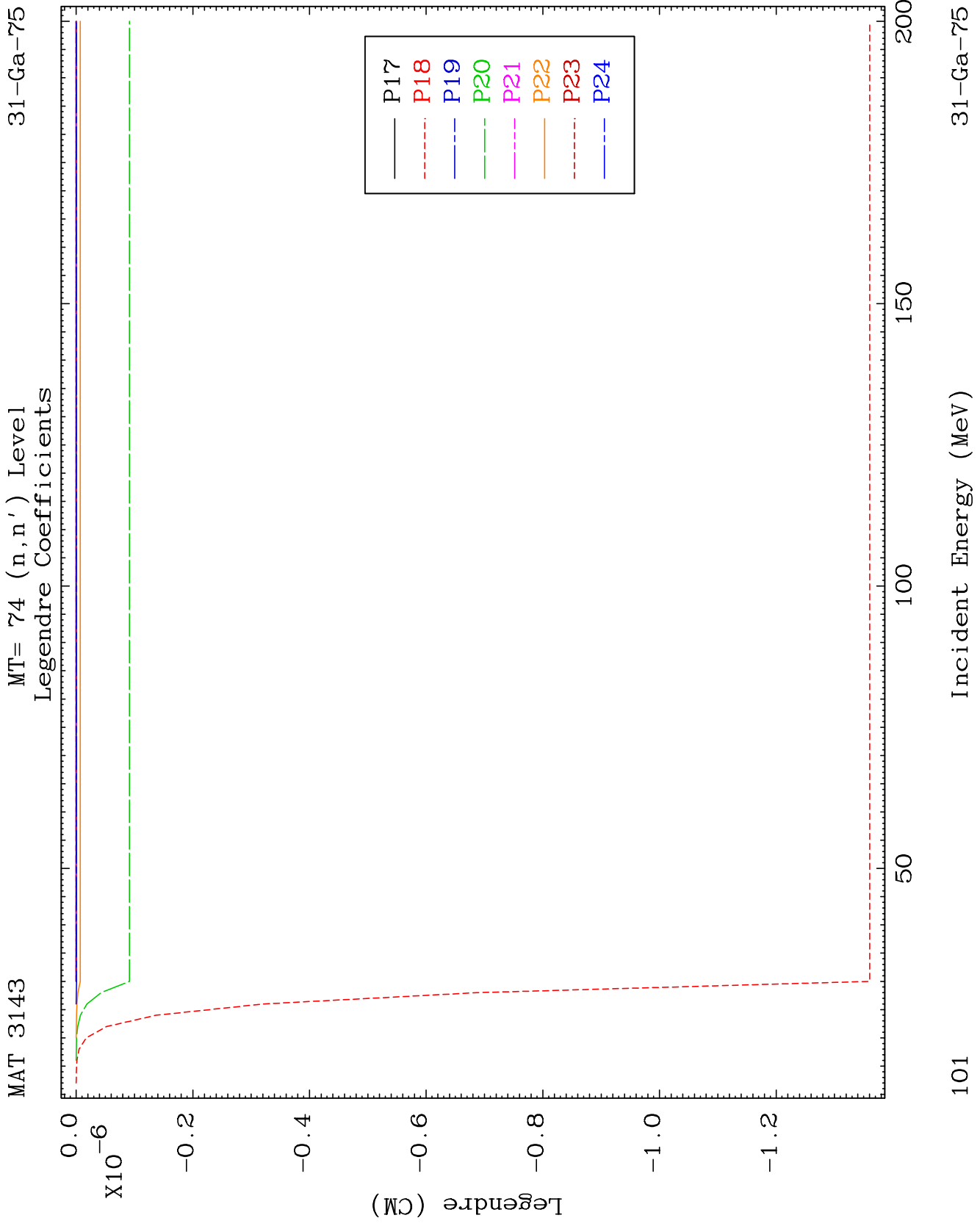
MAT 3143

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

31-Ga-75



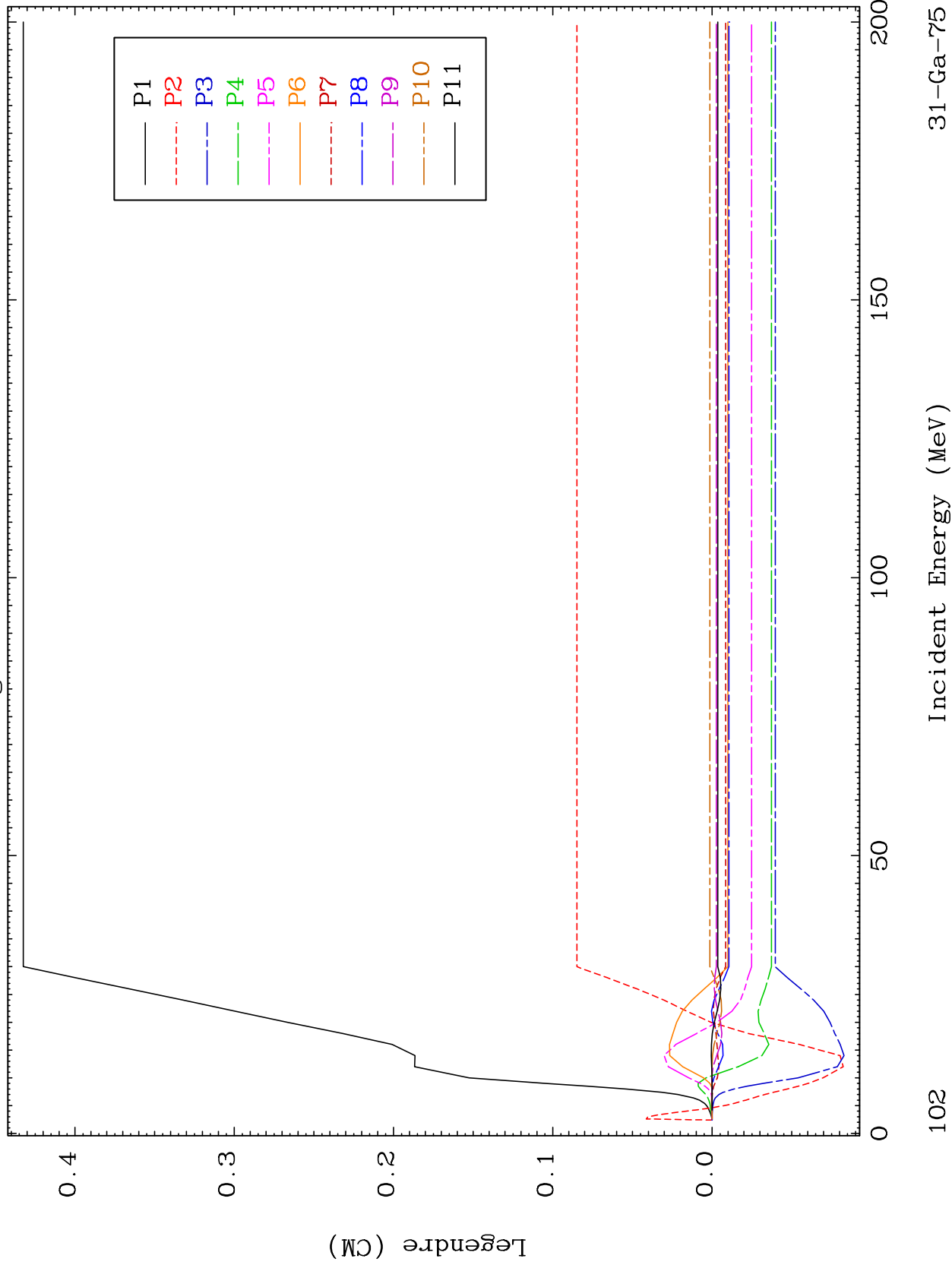
31-Ga-75



MAT 3143

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

31-Ga-75



31-Ga-75

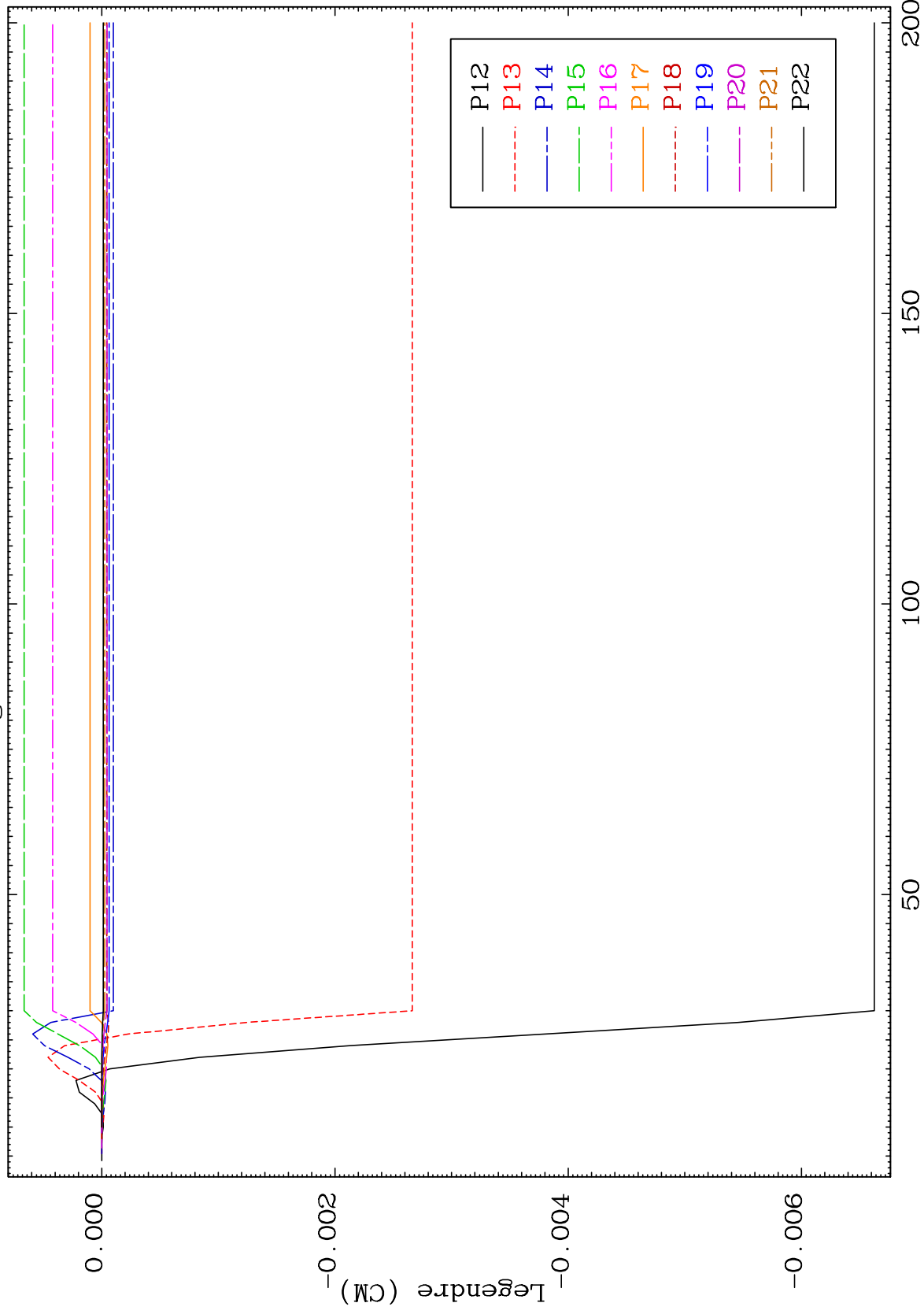
Incident Energy (MeV)

102

MAT 3143

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

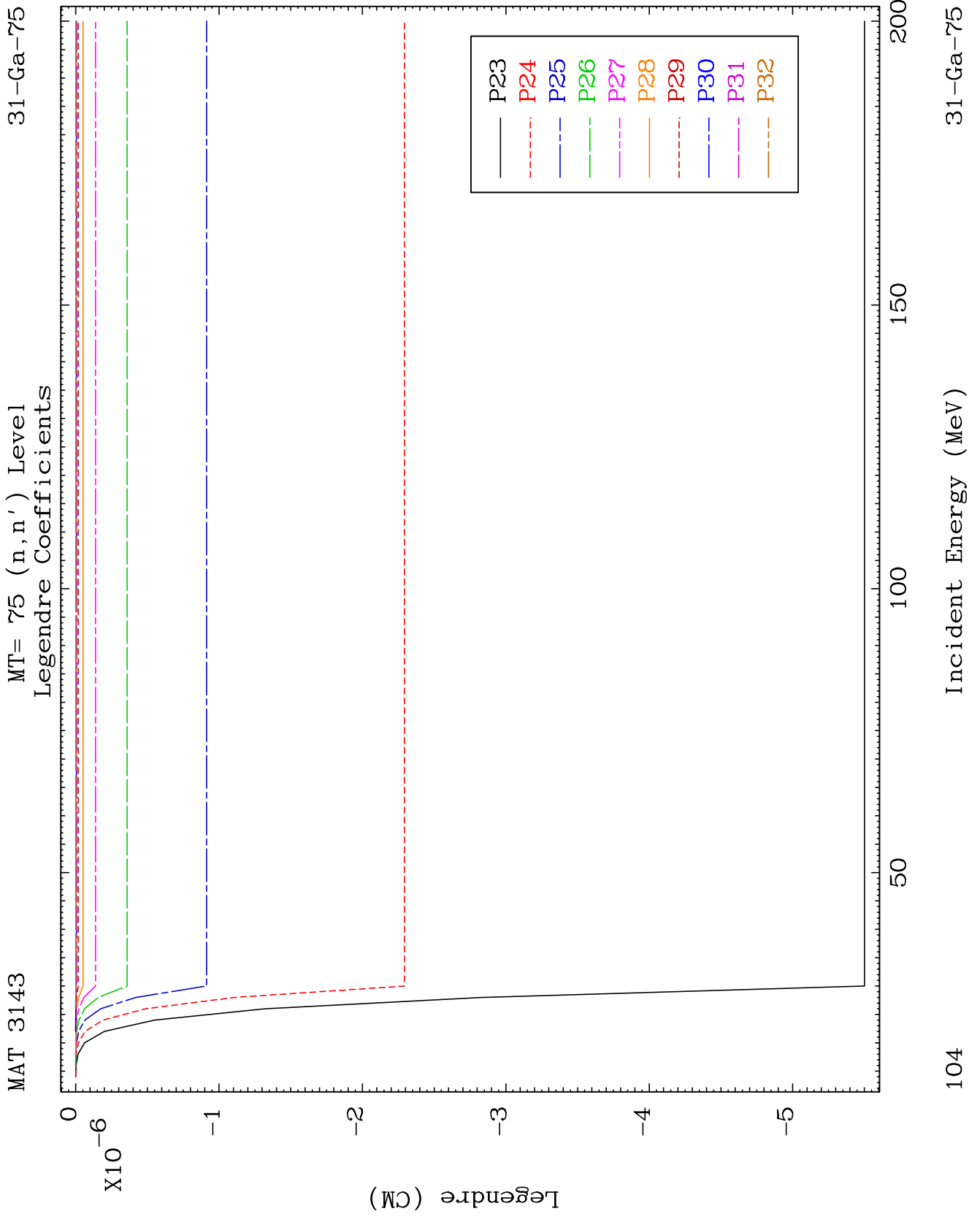
31-Ga-75

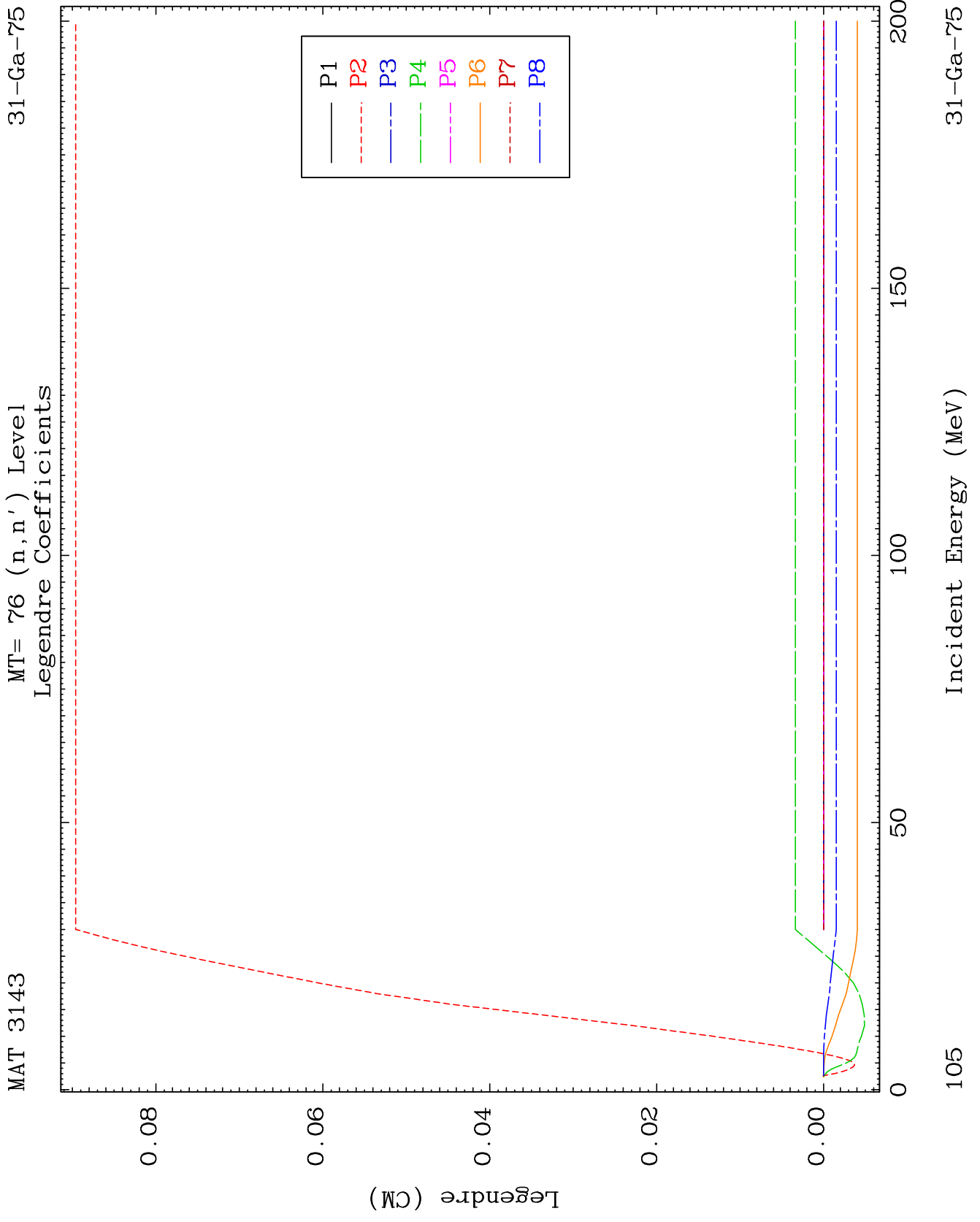


103

Incident Energy (MeV)

31-Ga-75

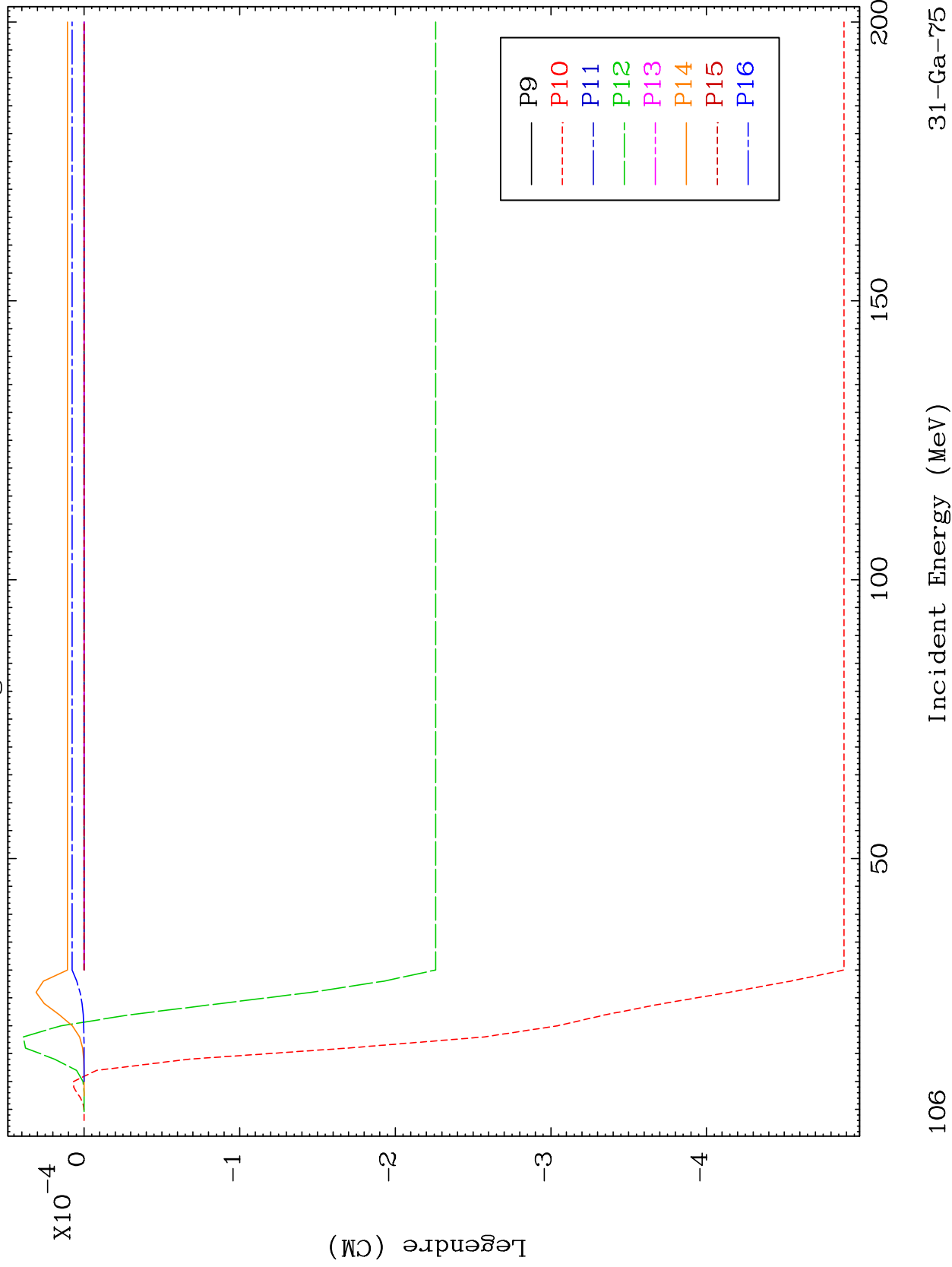




MAT 3143

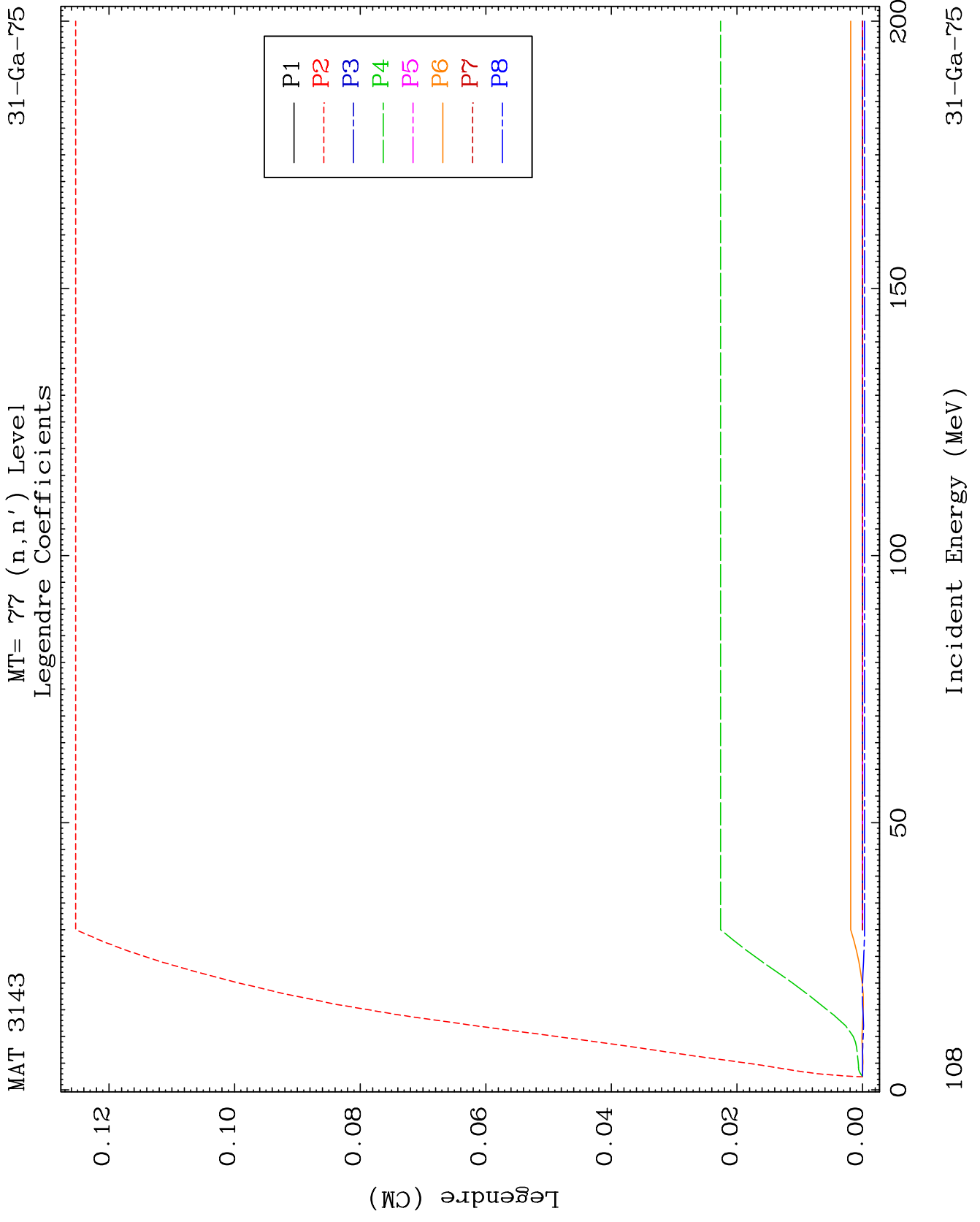
31-Ga-75

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



106

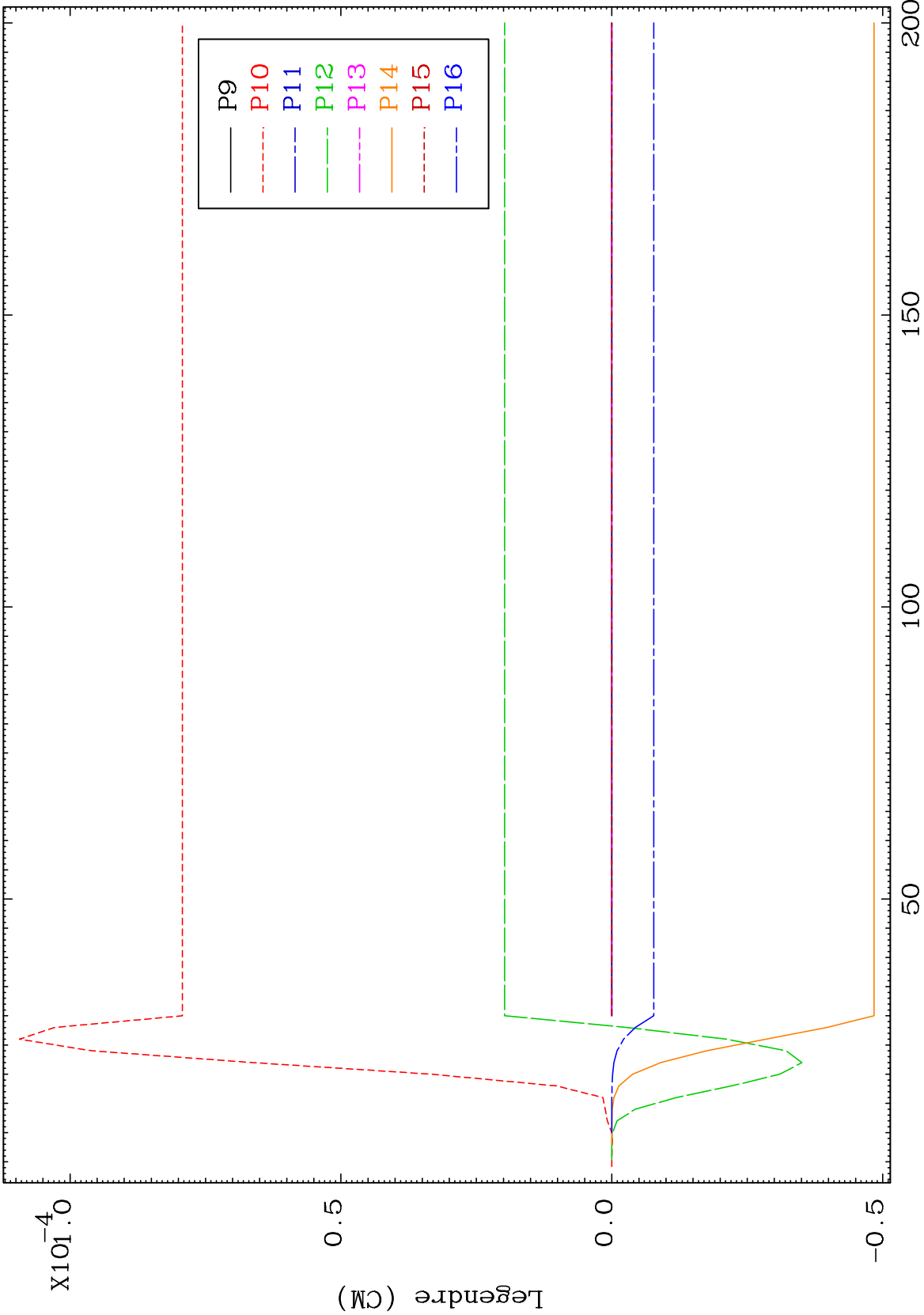
31-Ga-75



MAT 3143

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

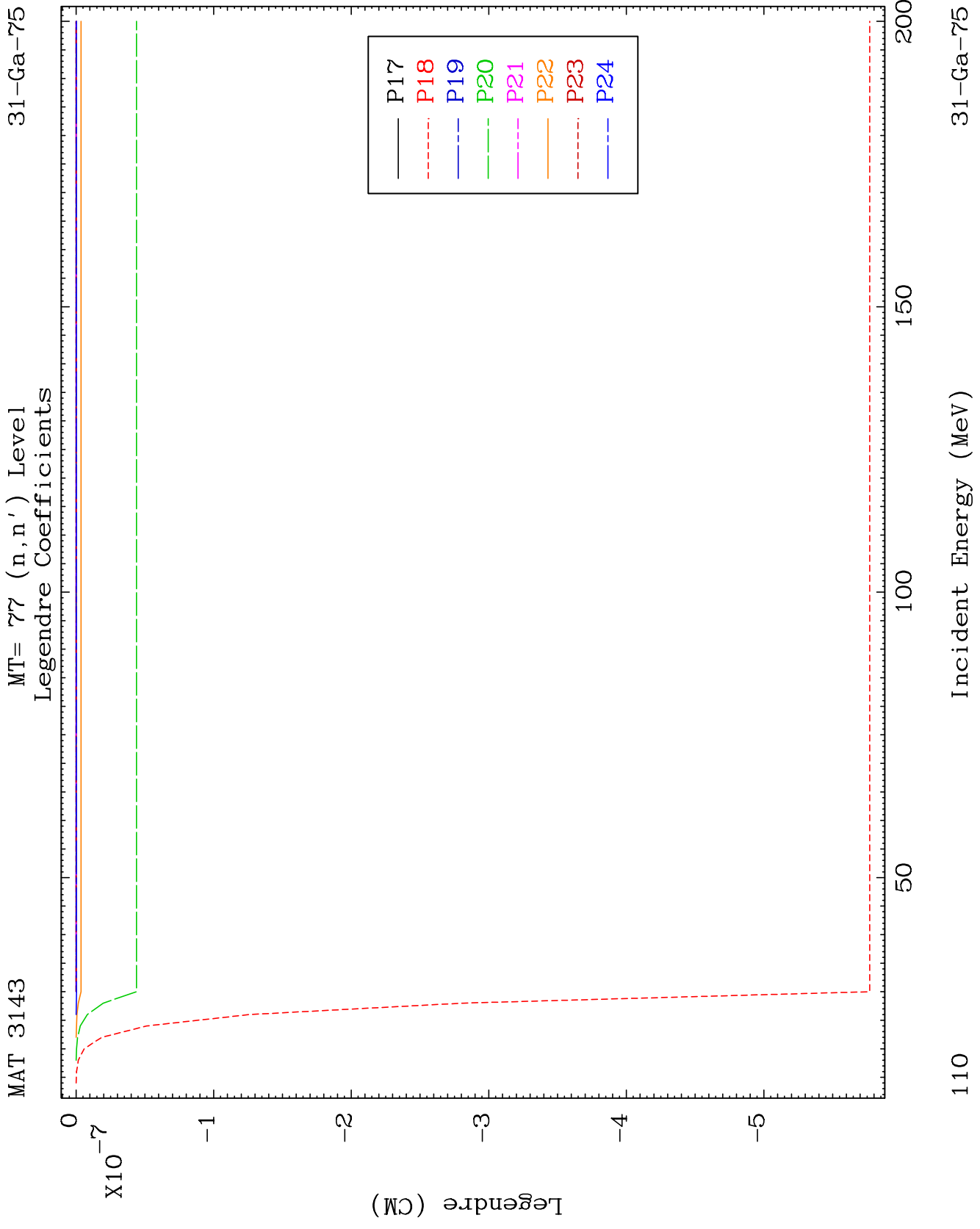
31-Ga-75



109

Incident Energy (MeV)

31-Ga-75

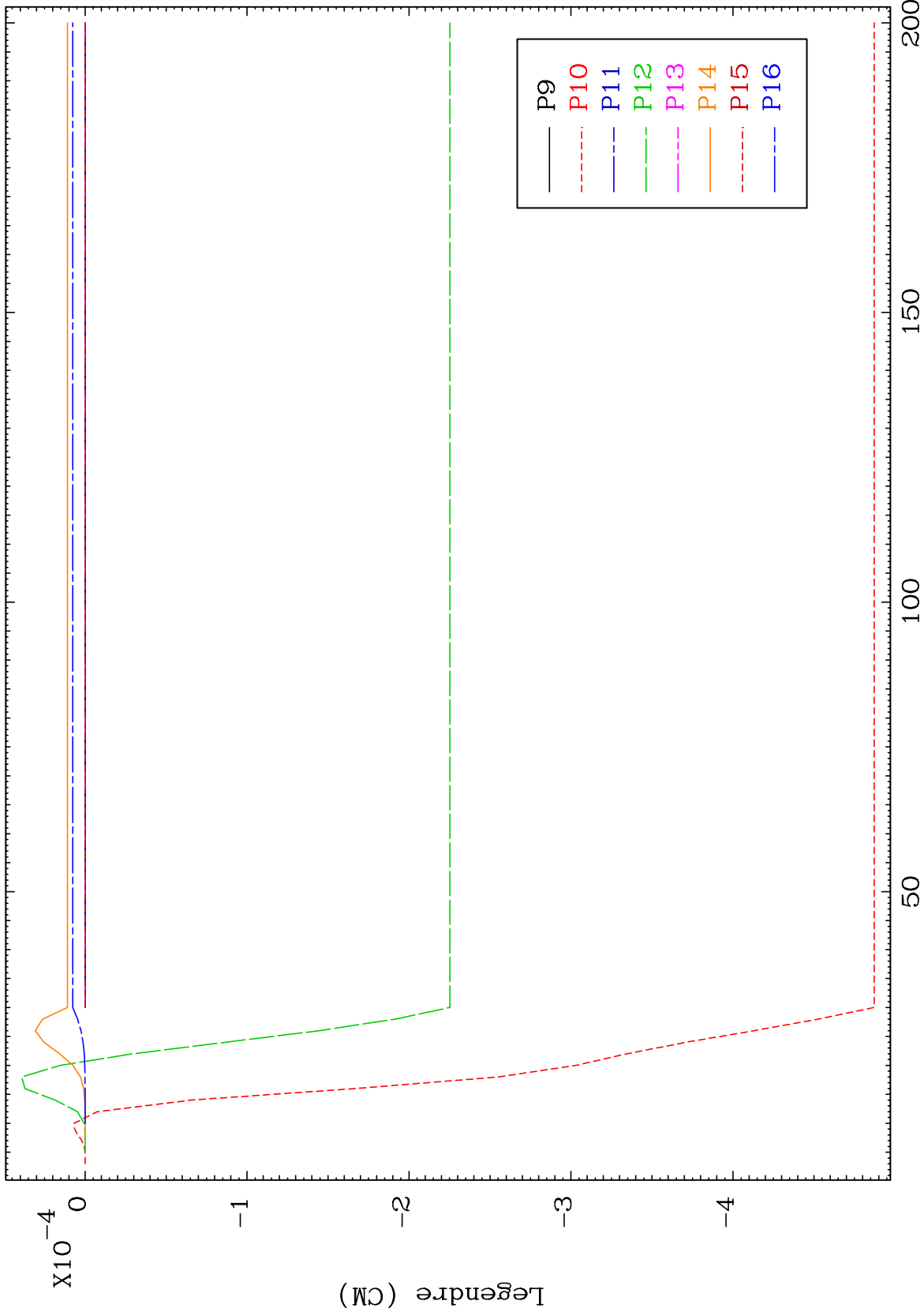


MAT 3143

MT= 78 (n,n') Level

31-Ga-75

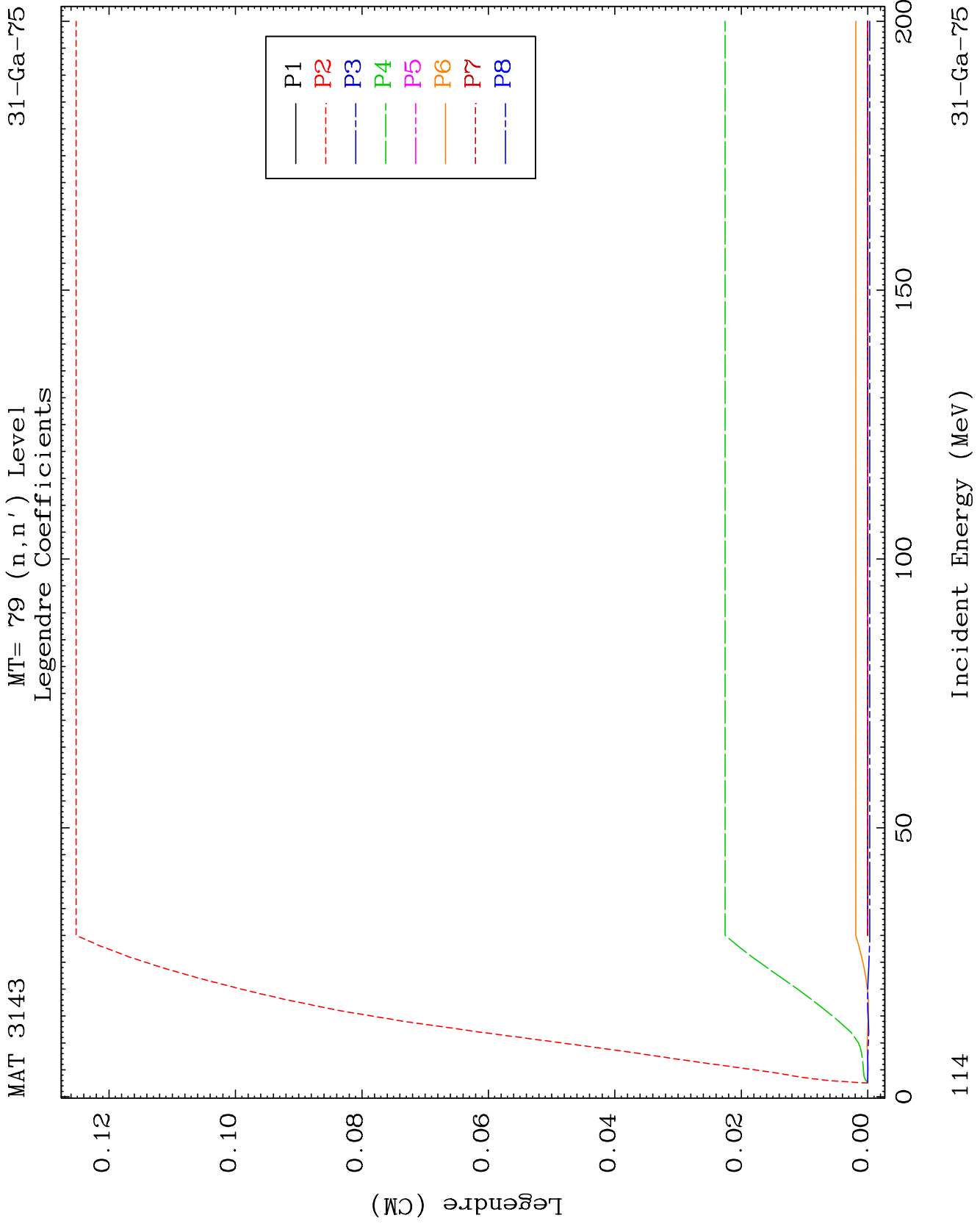
Legendre Coefficients



112

Incident Energy (MeV)

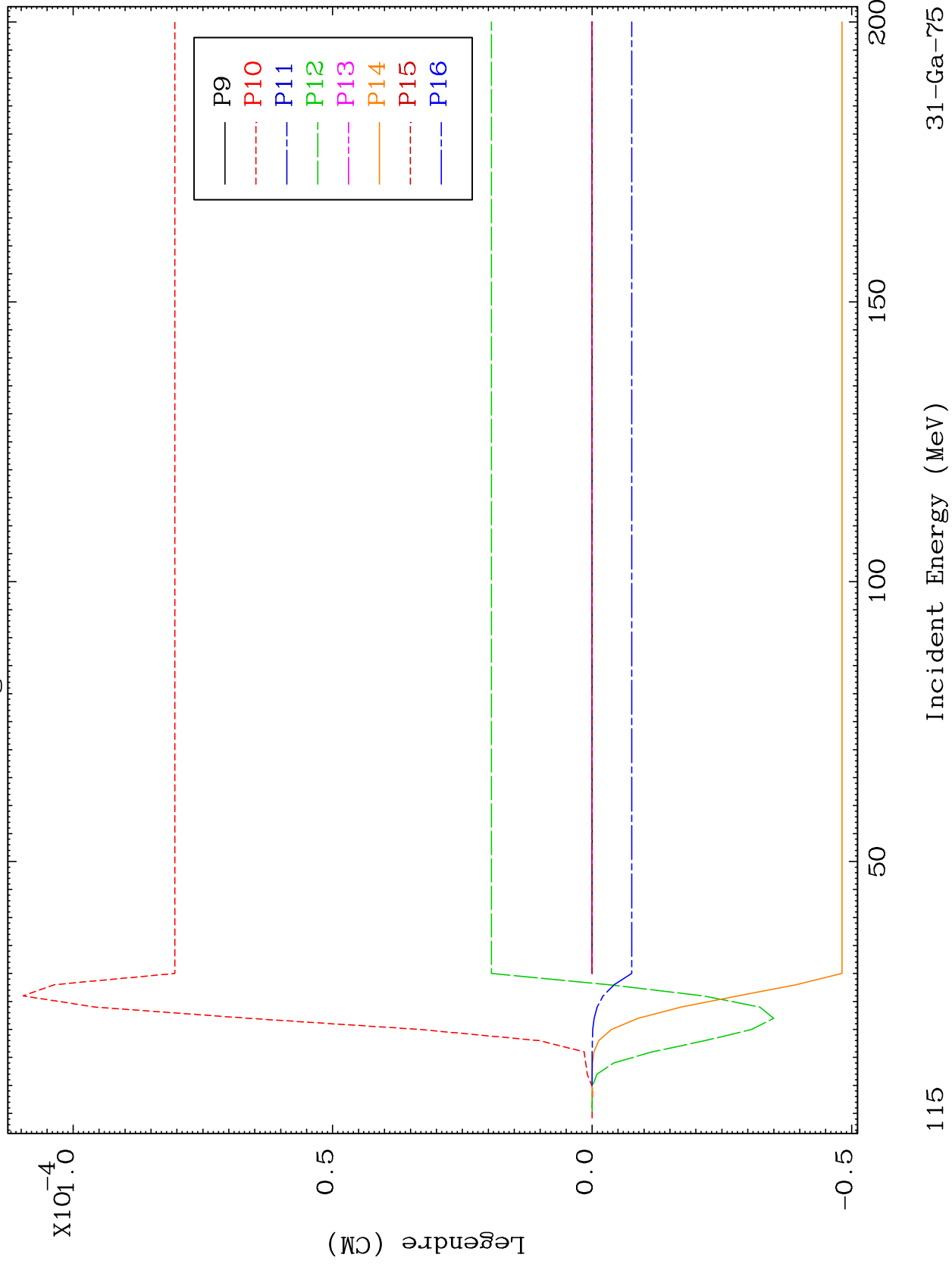
31-Ga-75



MAT 3143

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

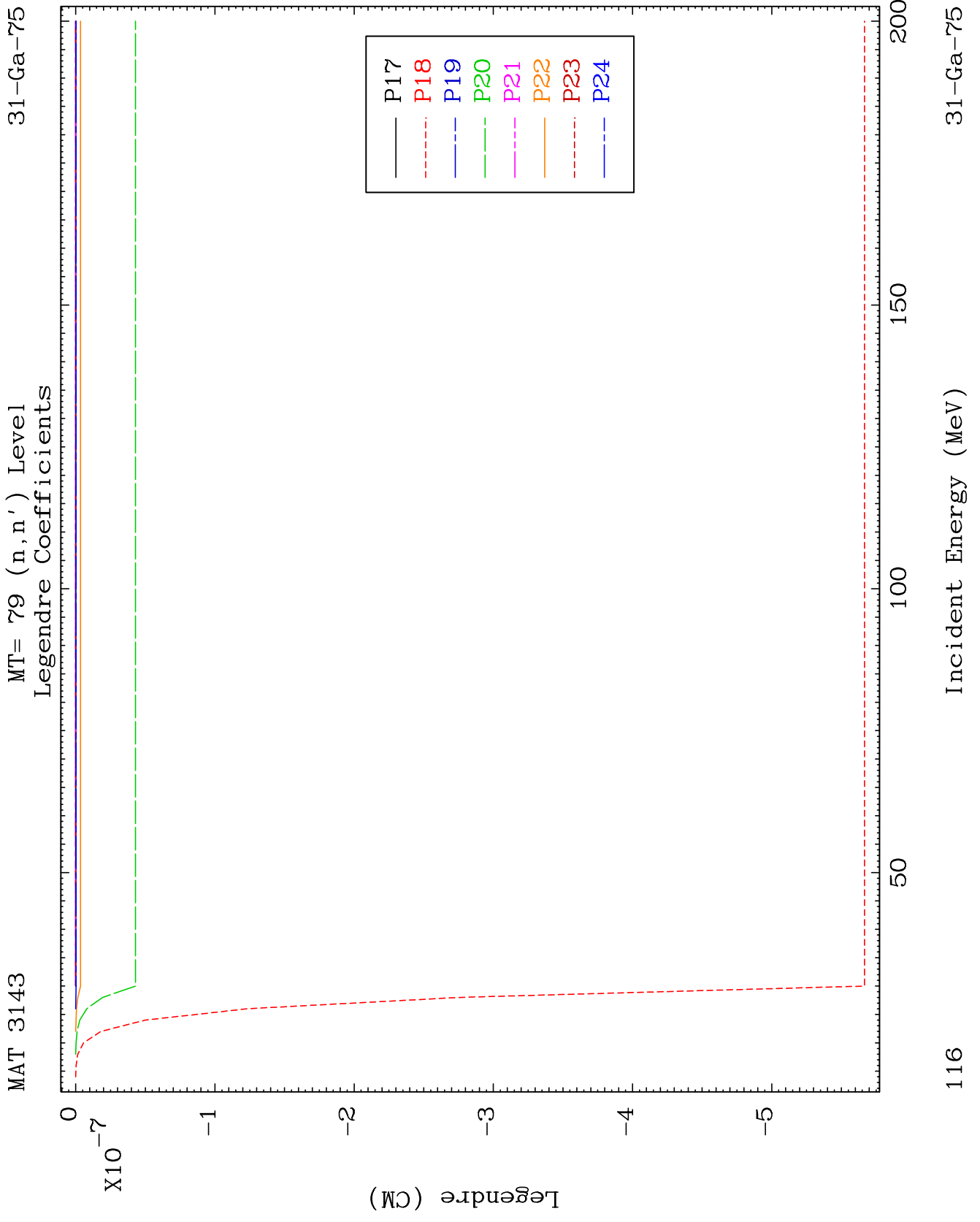
31-Ga-75



115

Incident Energy (MeV)

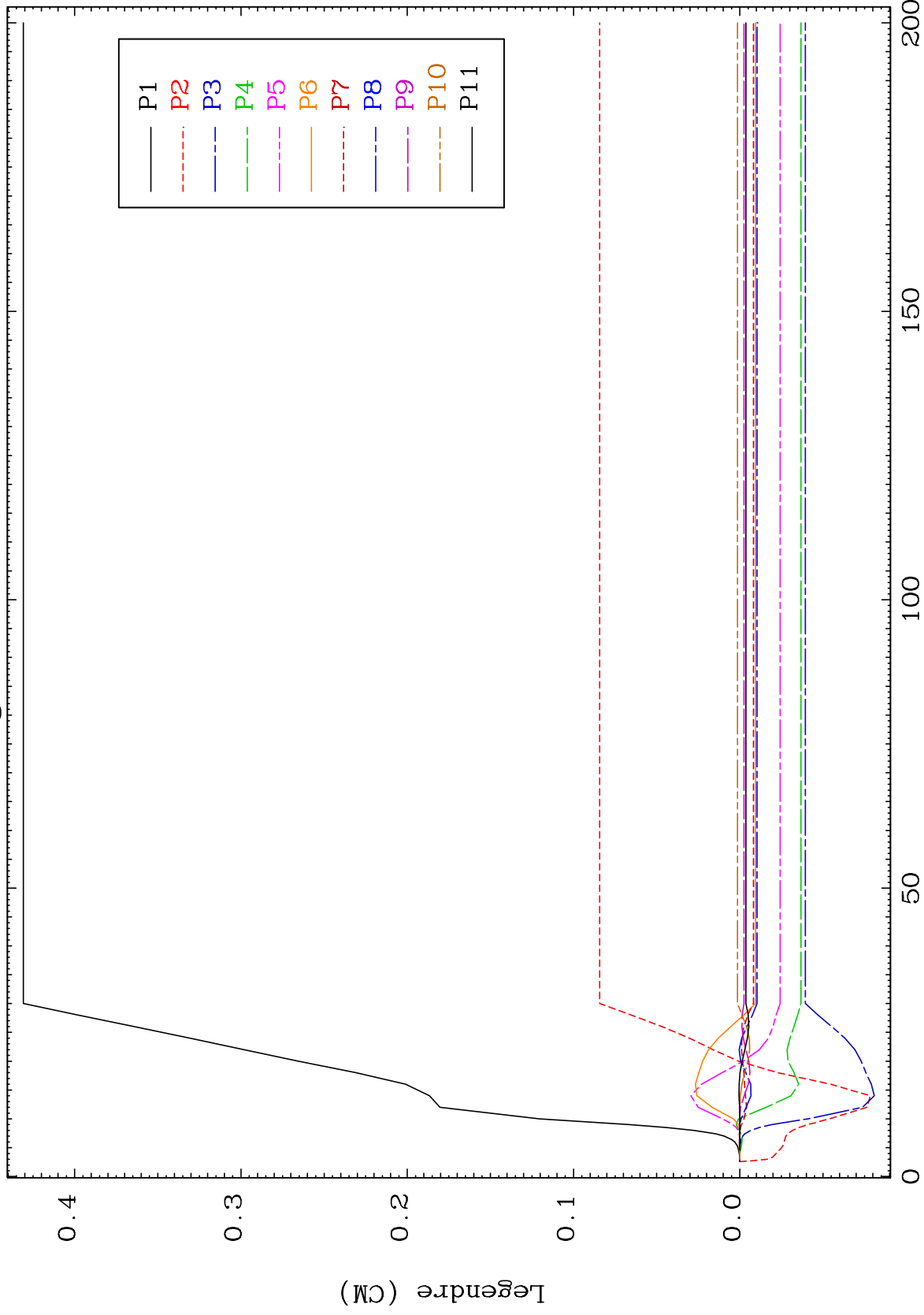
31-Ga-75



MAT 3143

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

31-Ga-75



117

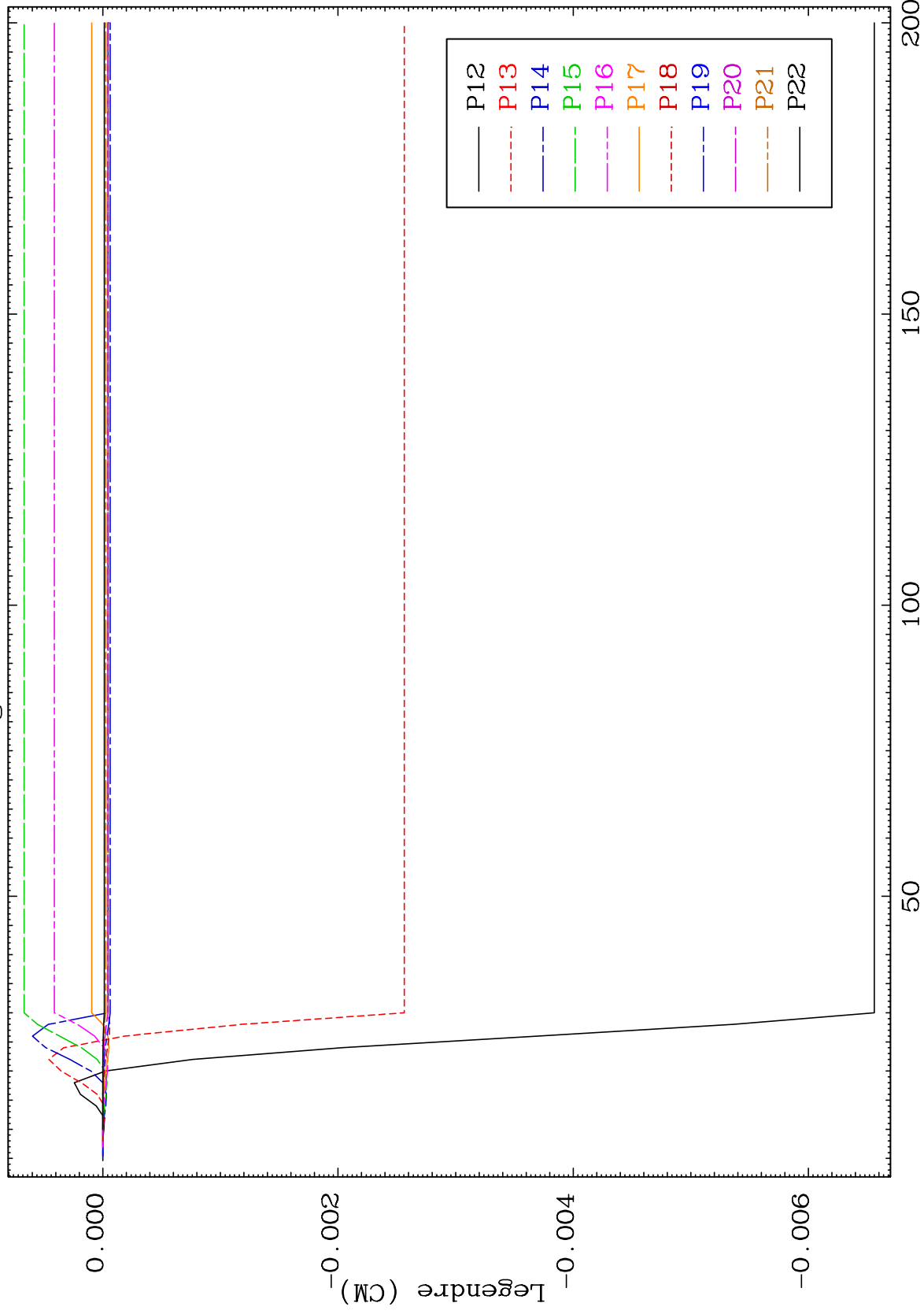
Incident Energy (MeV)

31-Ga-75

MAT 3143

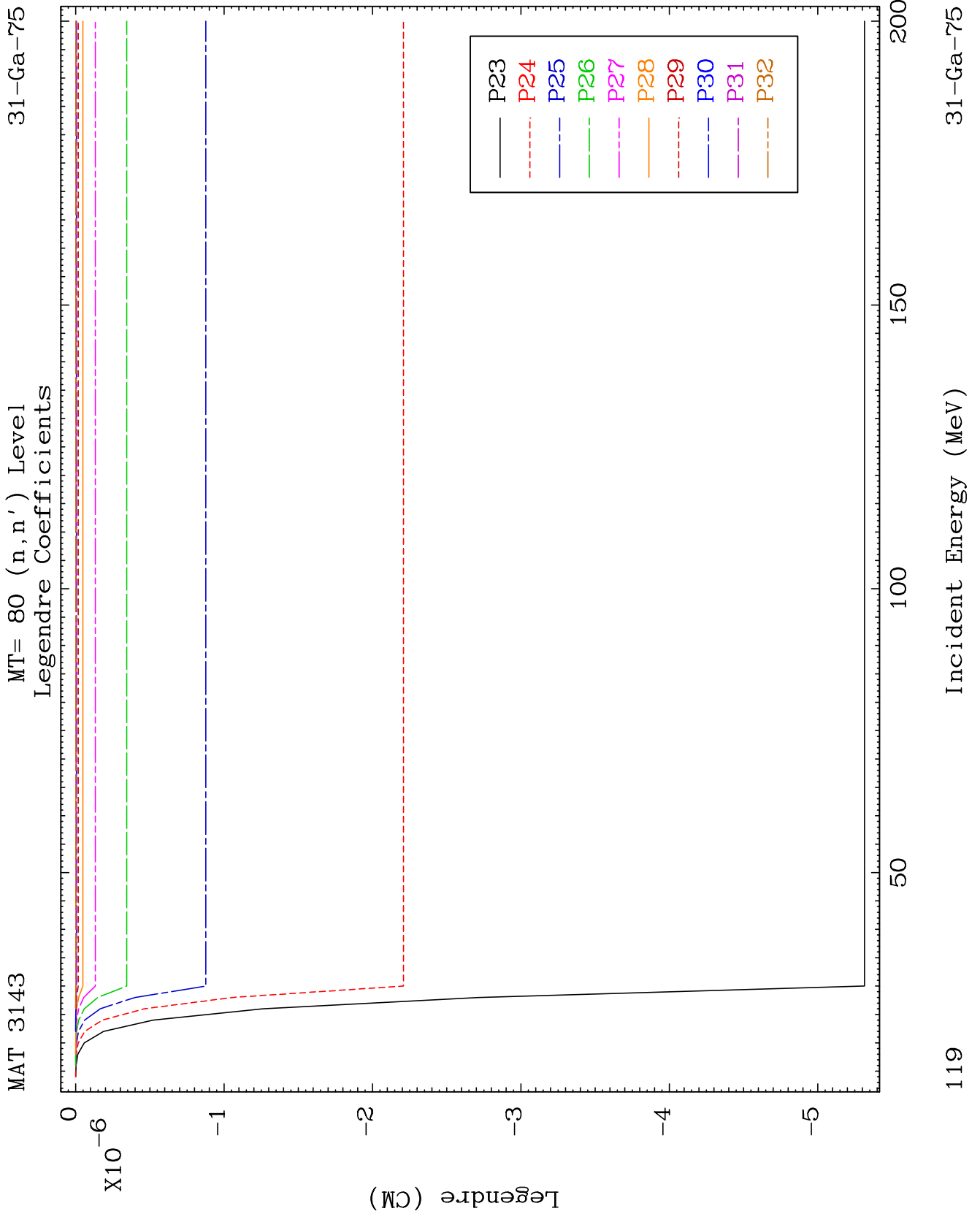
MT= 80 (n,n') Level
Legendre Coefficients

31-Ga-75



118

31-Ga-75

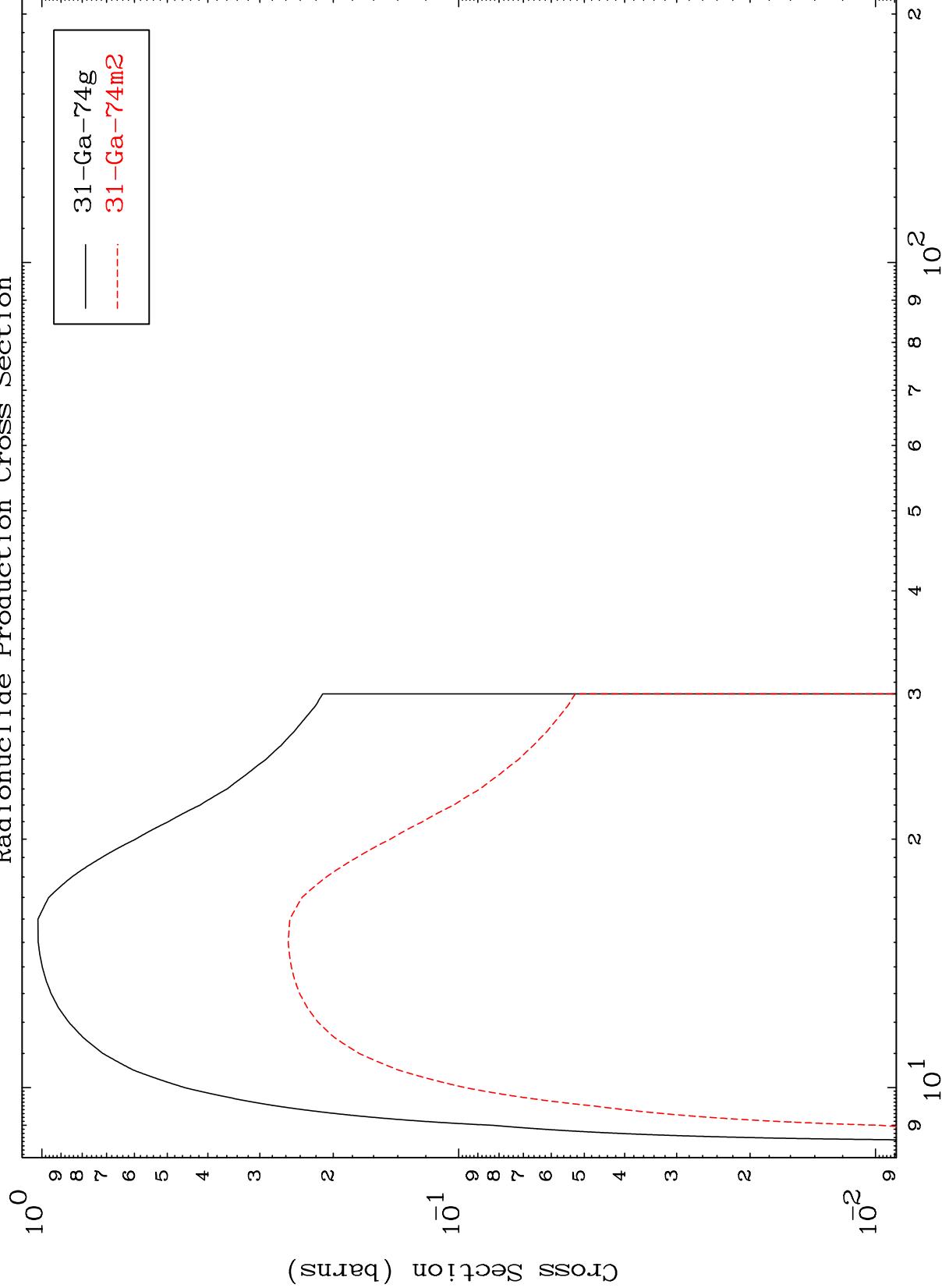


MAT 3143

(n,2n)

31-Ga-75

Radionuclide Production Cross Section



120

Incident Energy (MeV)

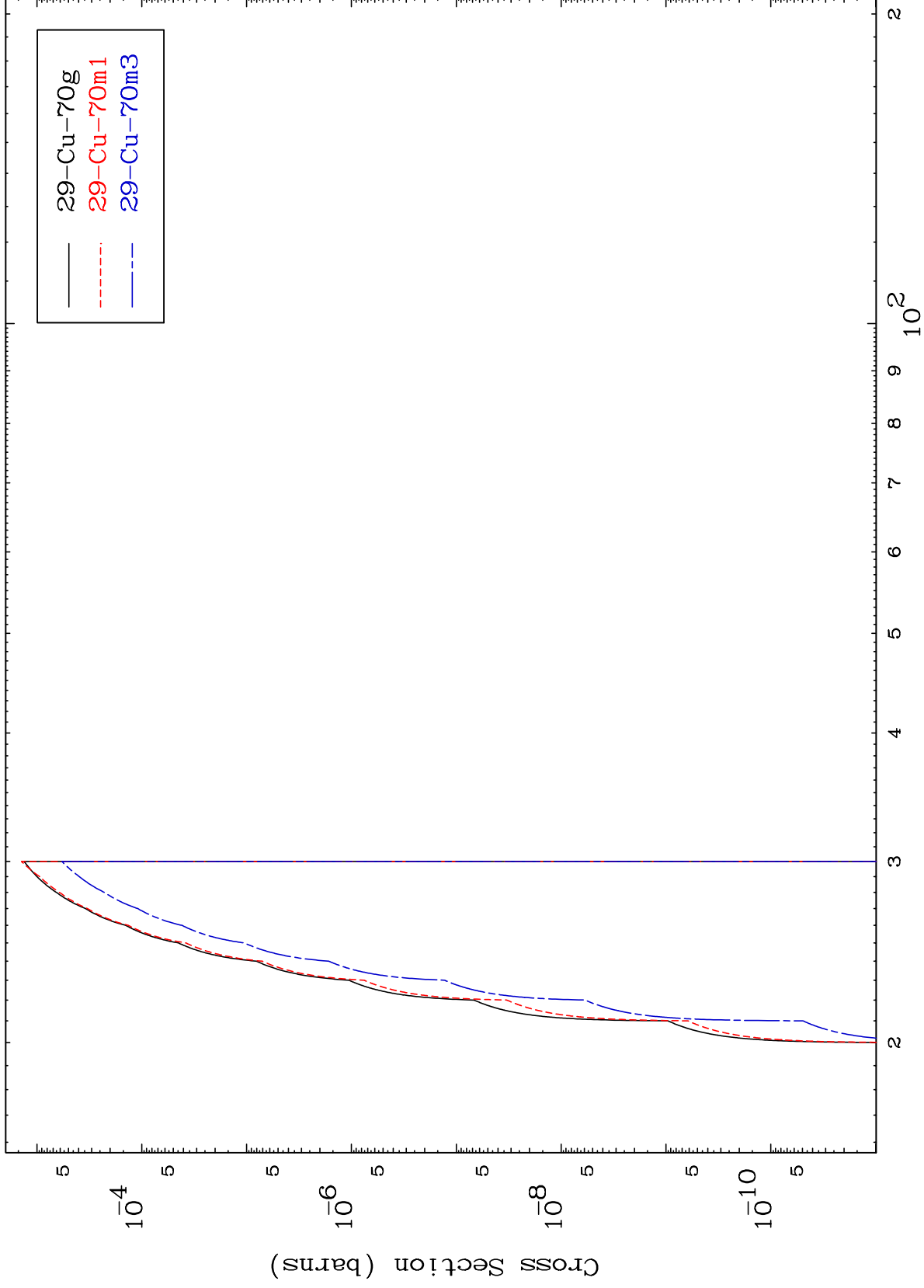
31-Ga-75

MAT 3143

$(n,2n) \alpha$

31-Ga-75

Radionuclide Production Cross Section



121

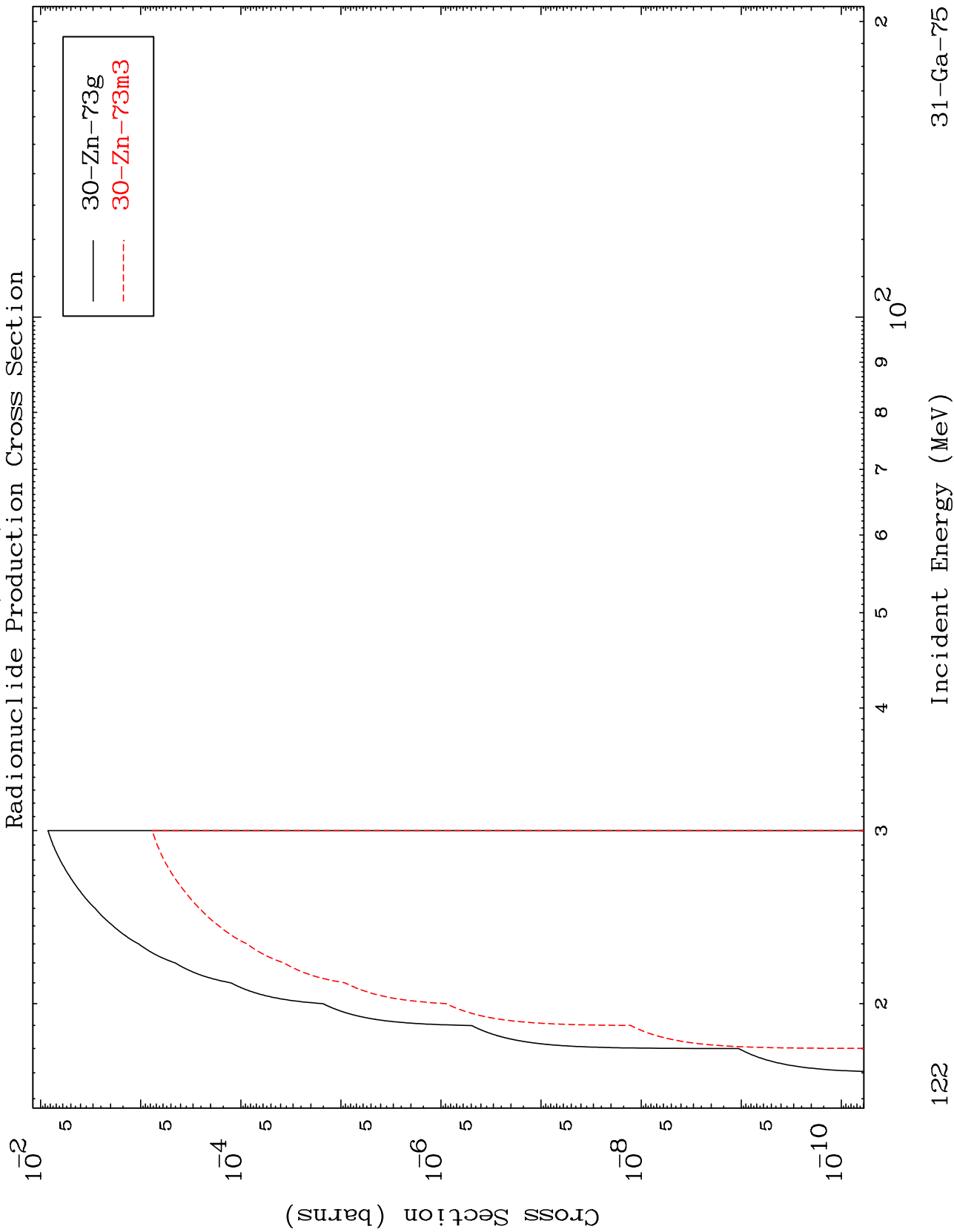
Incident Energy (MeV)

31-Ga-75

MAT 3143

(n,n') d

31-Ga-75



122

Incident Energy (MeV)

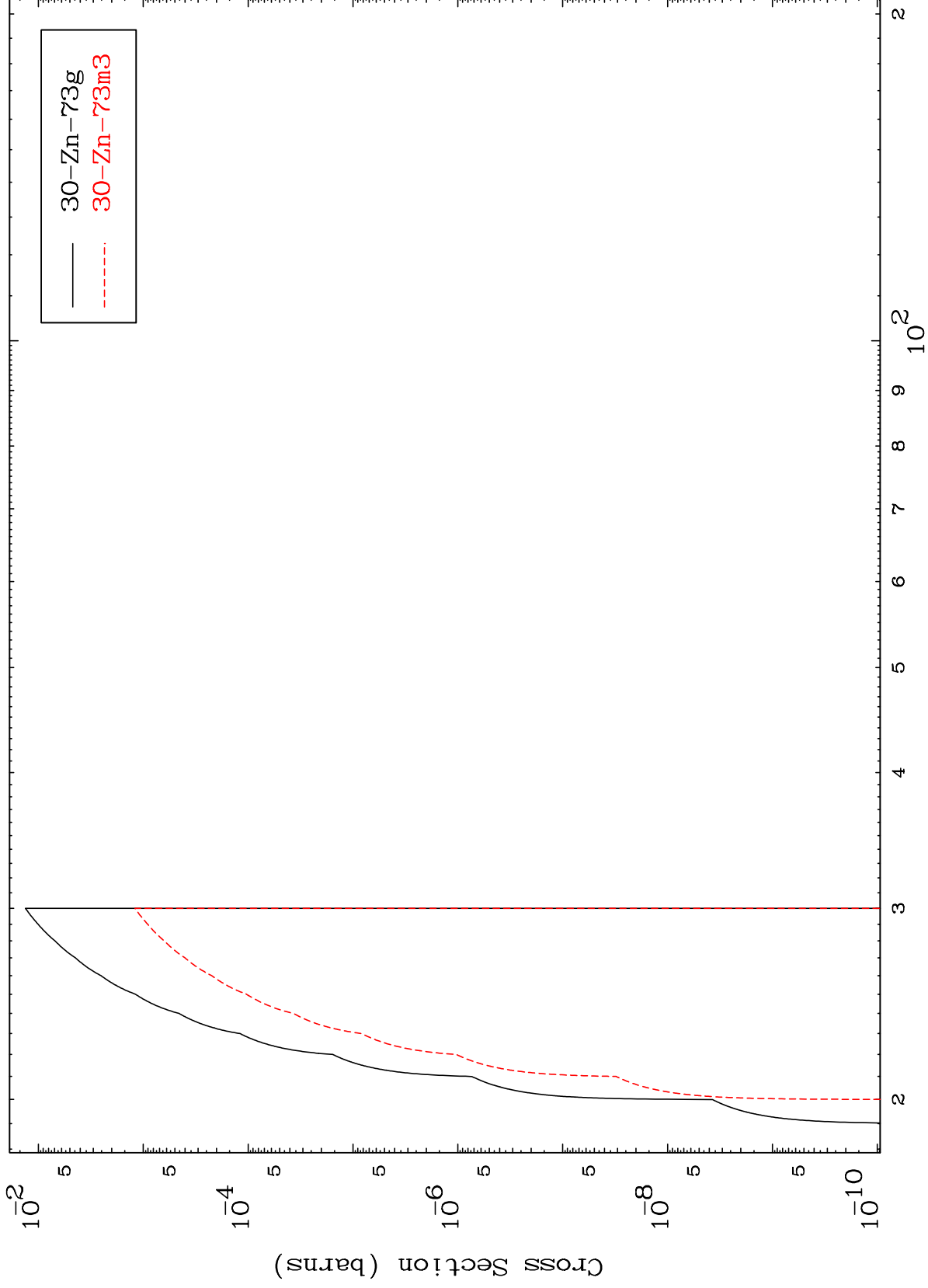
31-Ga-75

MAT 3143

(n,2n) p

31-Ga-75

Radionuclide Production Cross Section



123

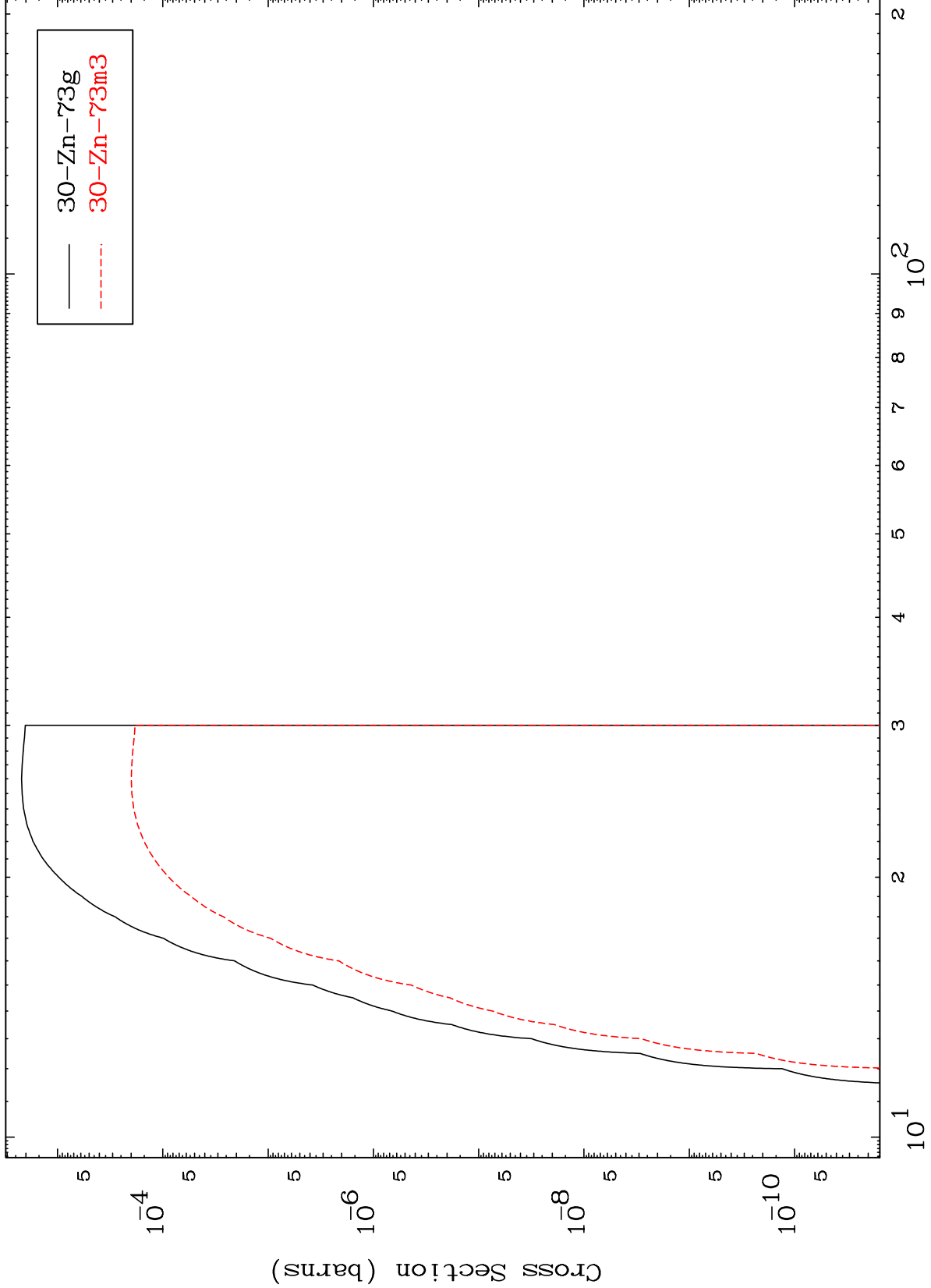
Incident Energy (MeV)

31-Ga-75

MAT 3143

31-Ga-75

(n,t)
Radionuclide Production Cross Section



31-Ga-75

Incident Energy (MeV)

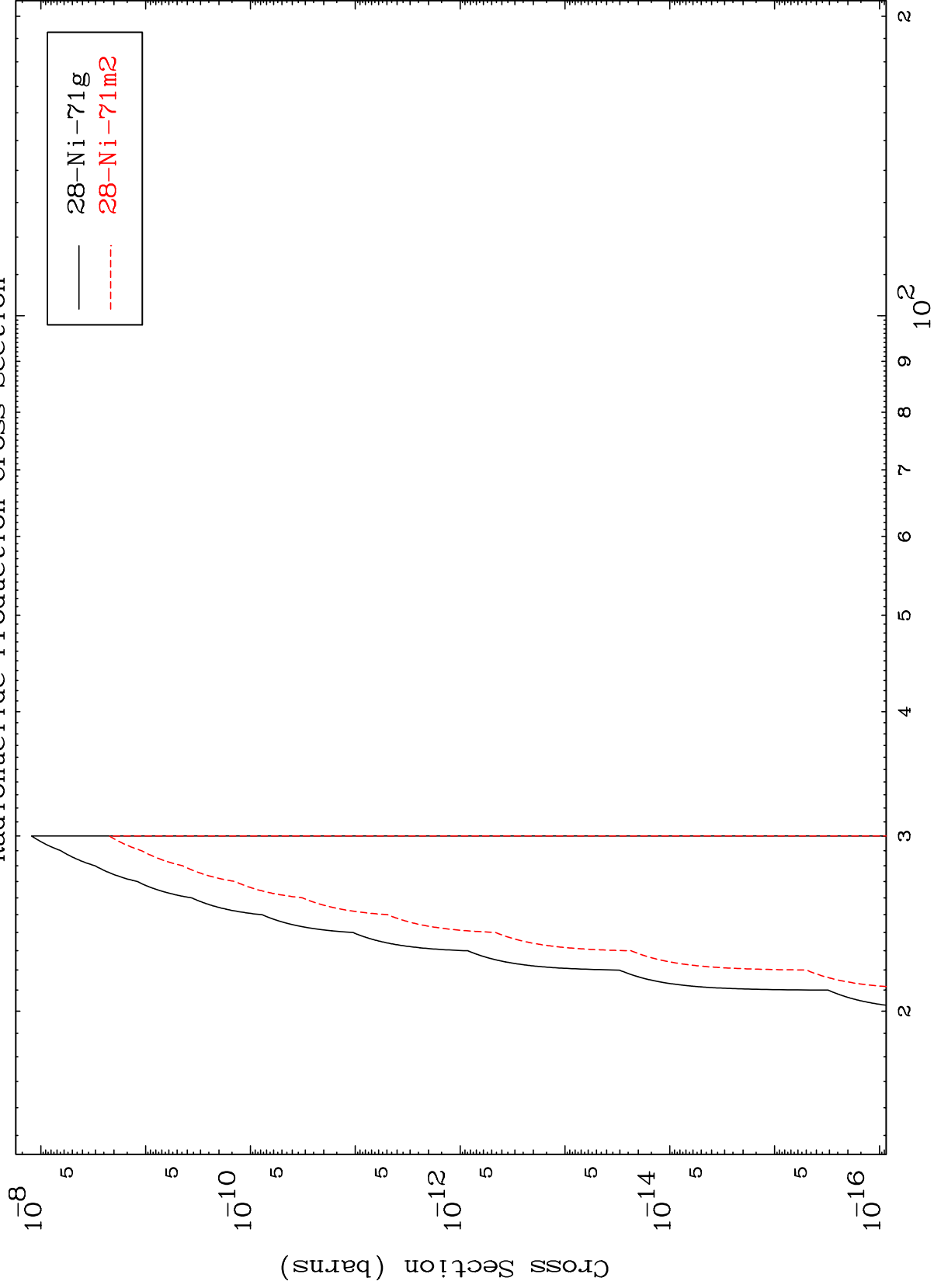
124

MAT 3143

(n,p) α

31-Ga-75

Radionuclide Production Cross Section



125

Incident Energy (MeV)

31-Ga-75