

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

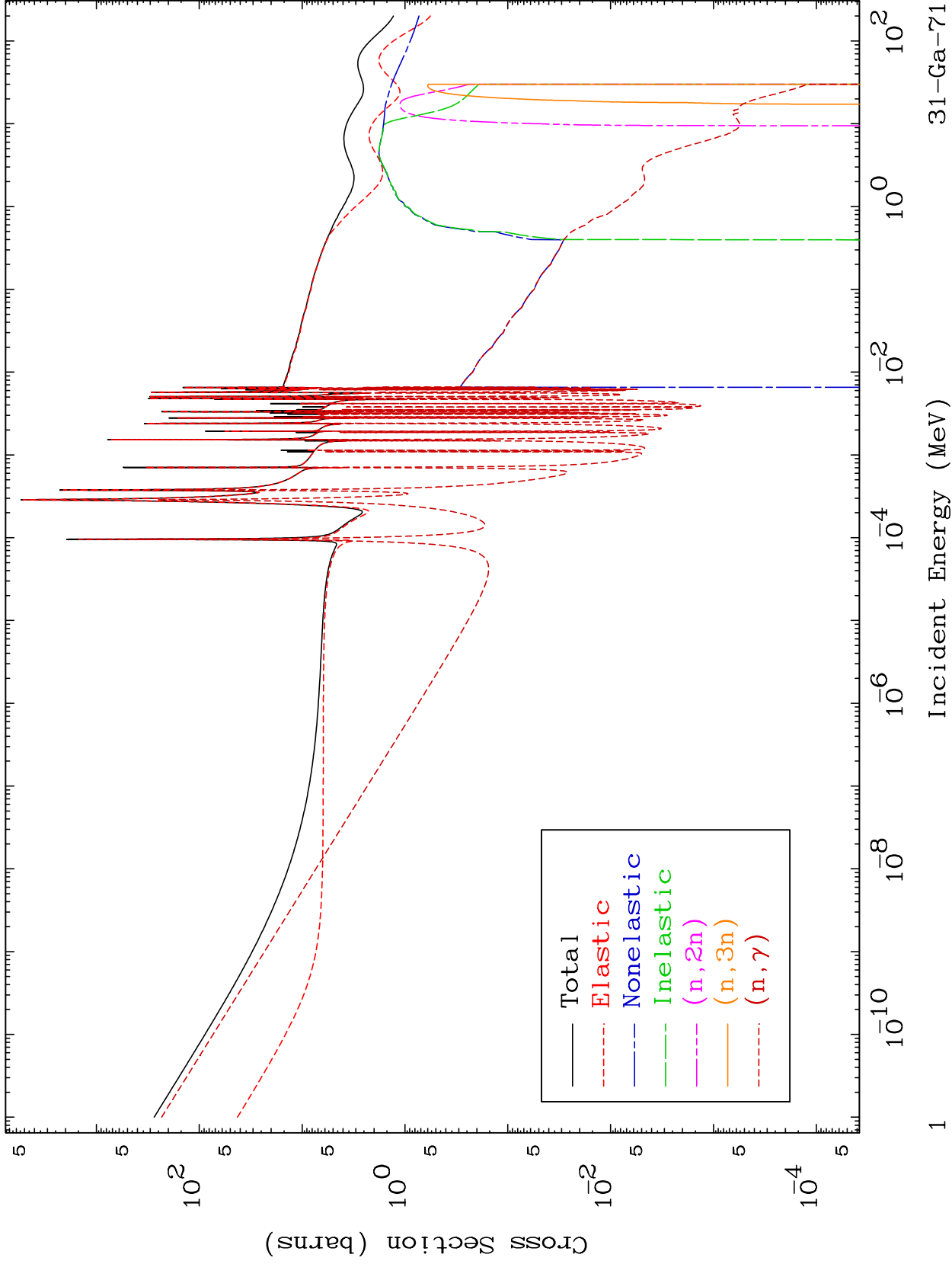
Web:redcullen1.net/HOMEPAGE.NEW

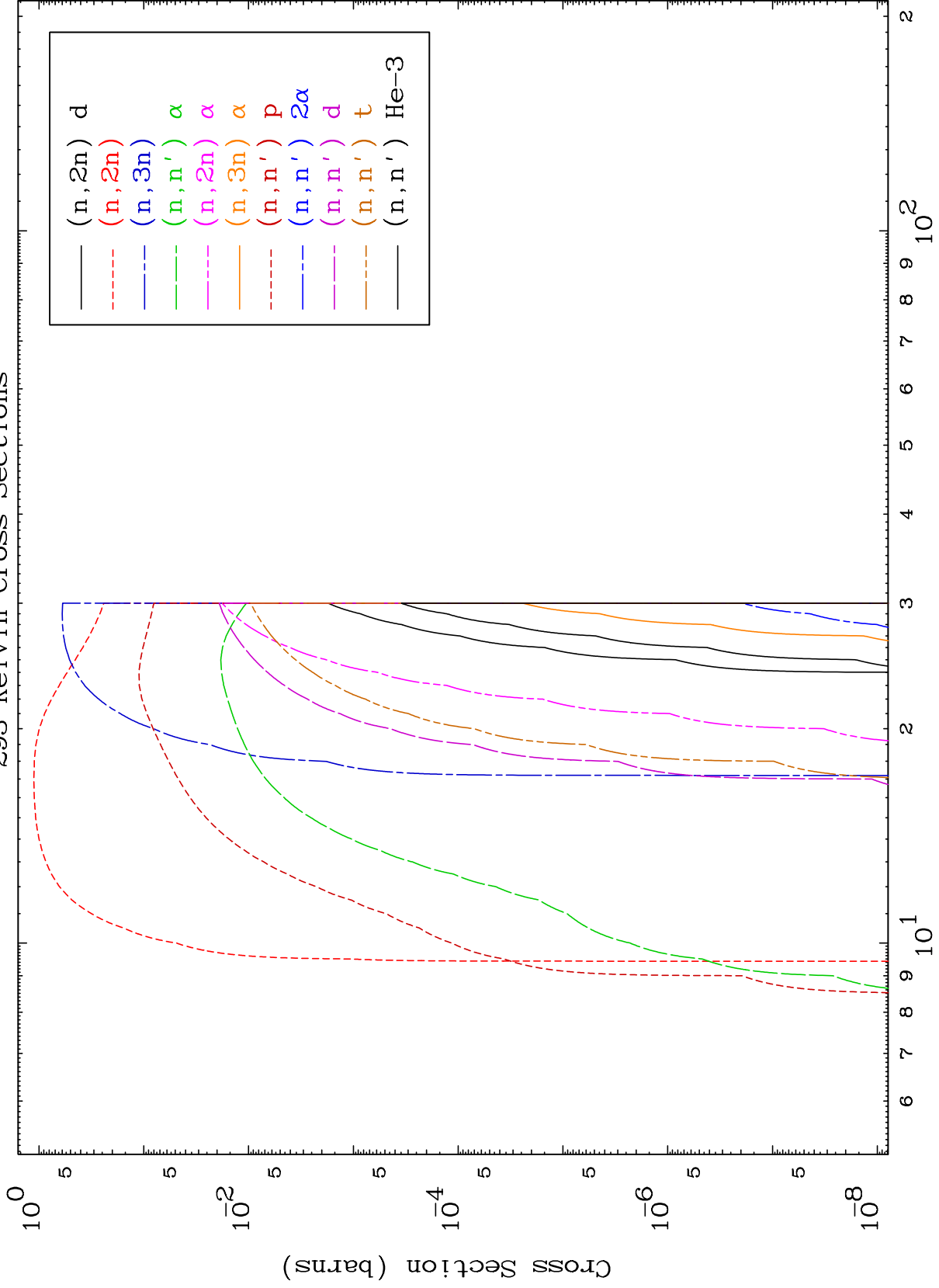
Press Mouse Button to Start

MAT 3131

Neutron Major
293 Kelvin Cross Sections

31-Ga-71

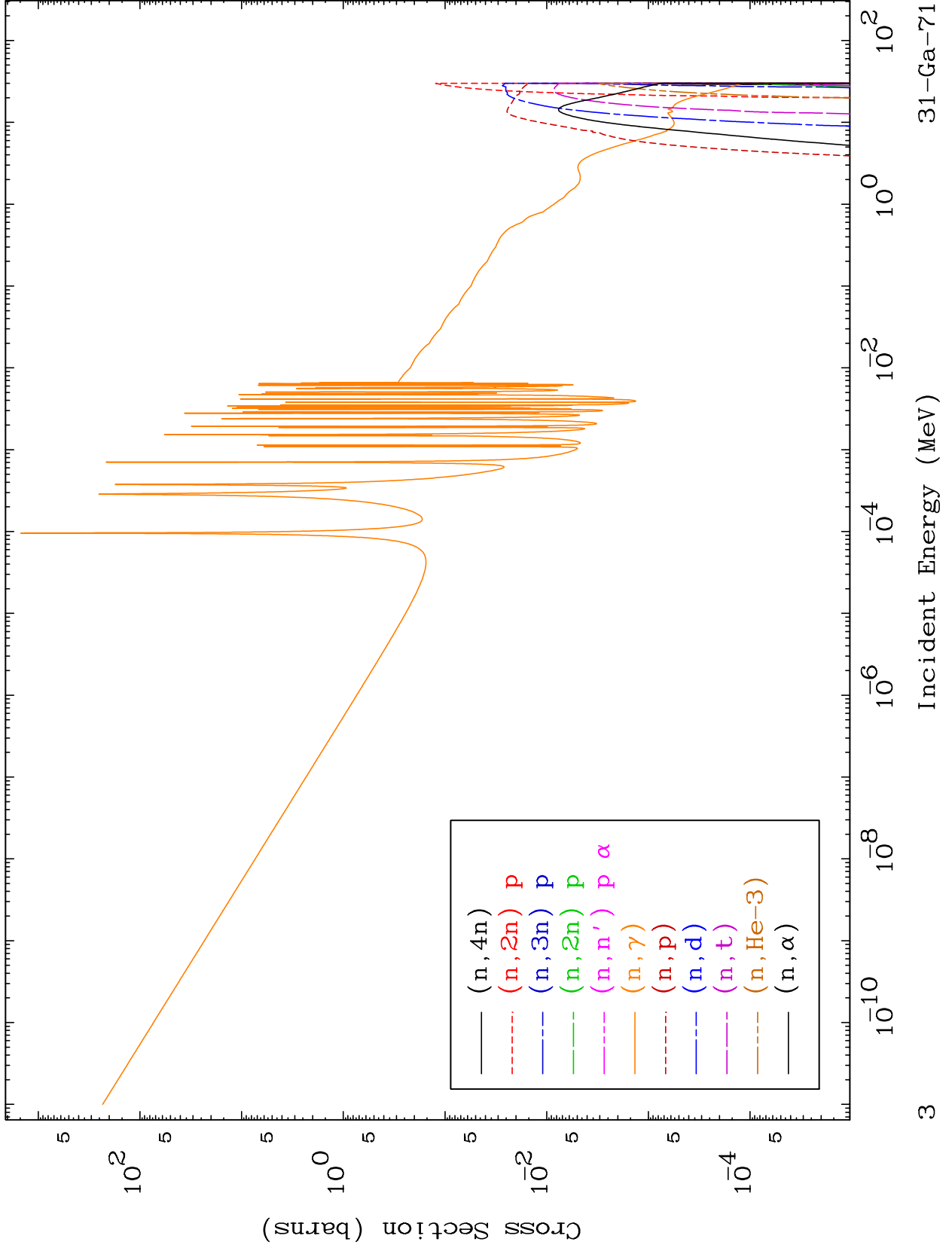


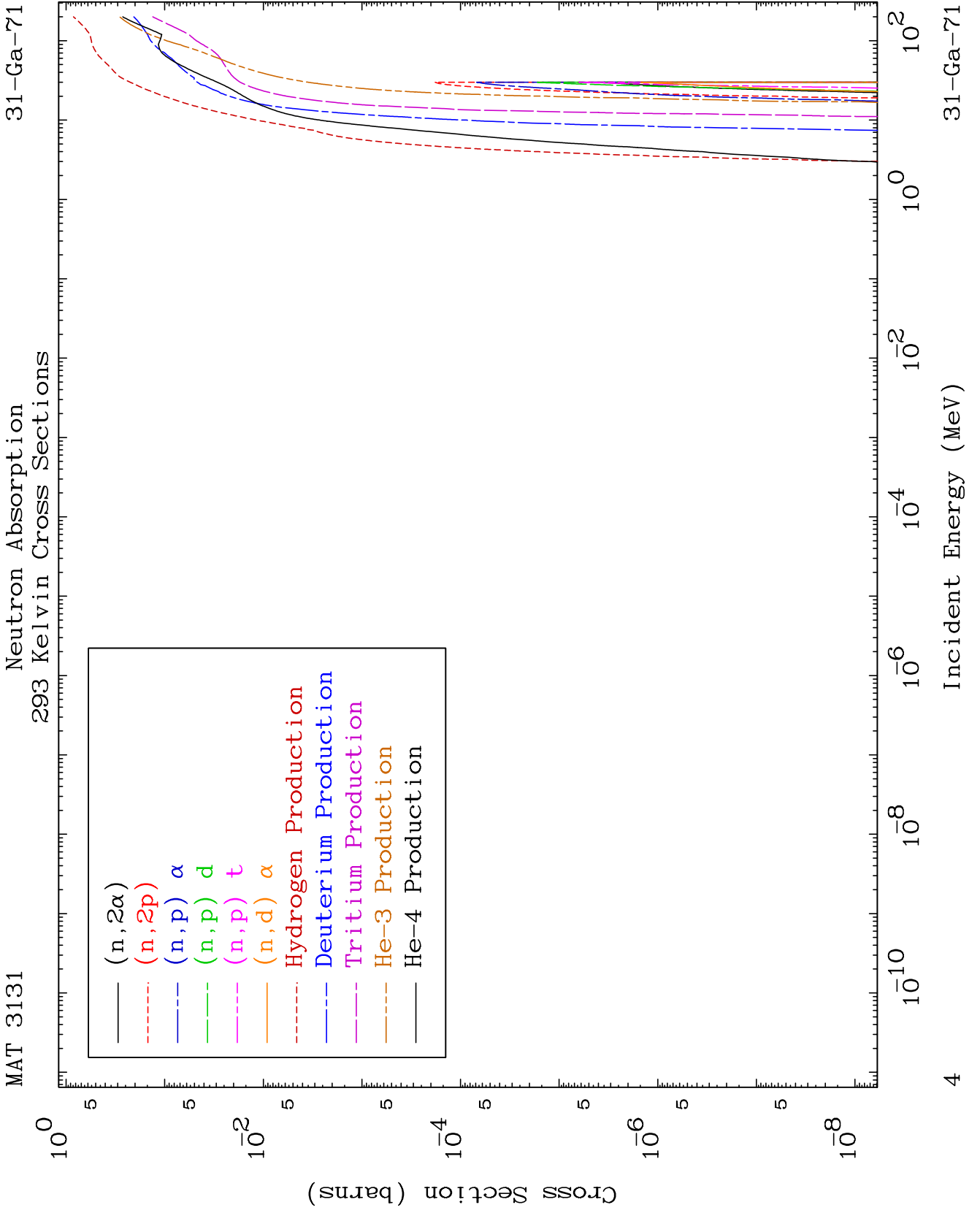


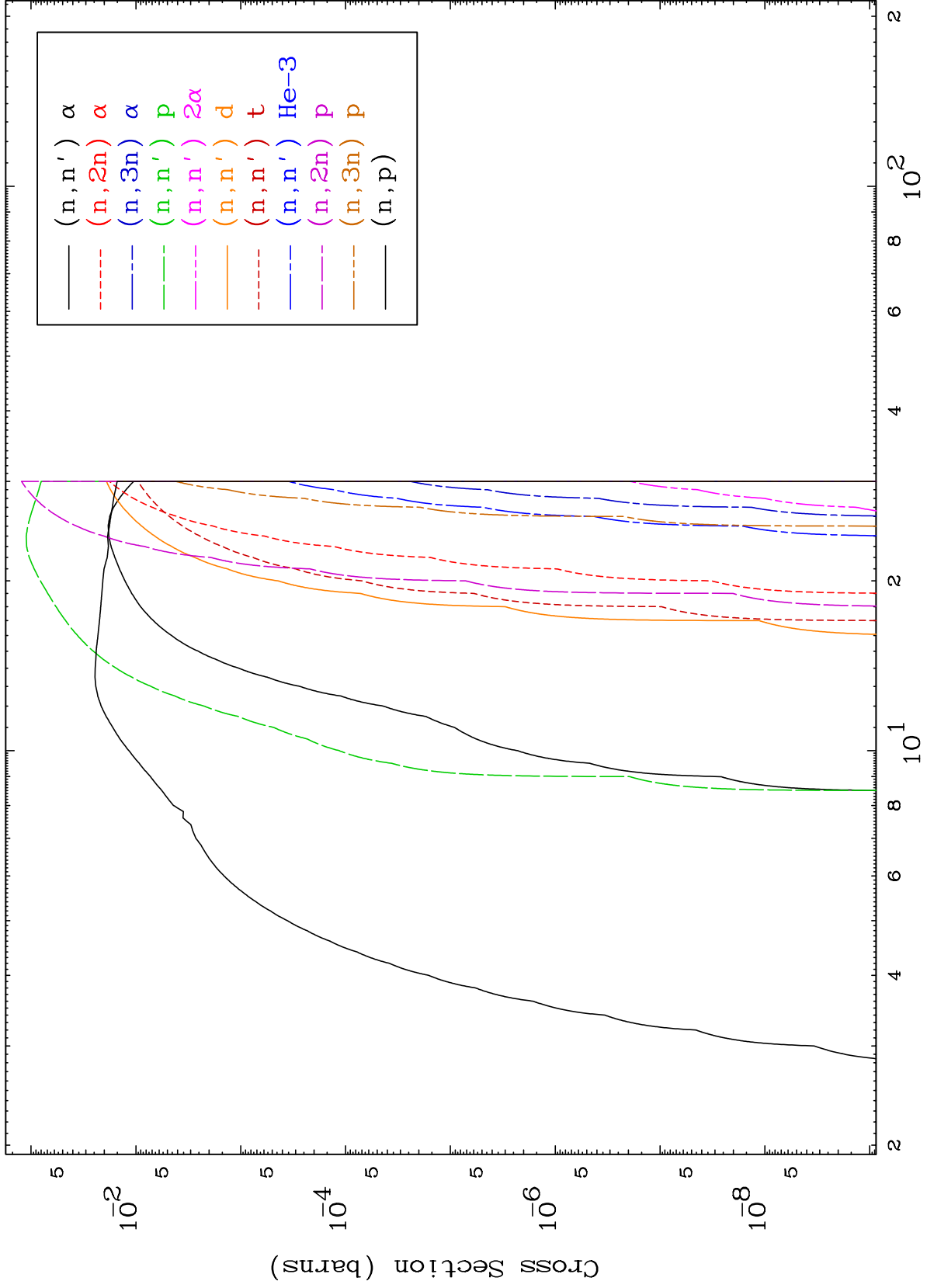
MAT 3131

Neutron Absorption
293 Kelvin Cross Sections

31-Ga-71



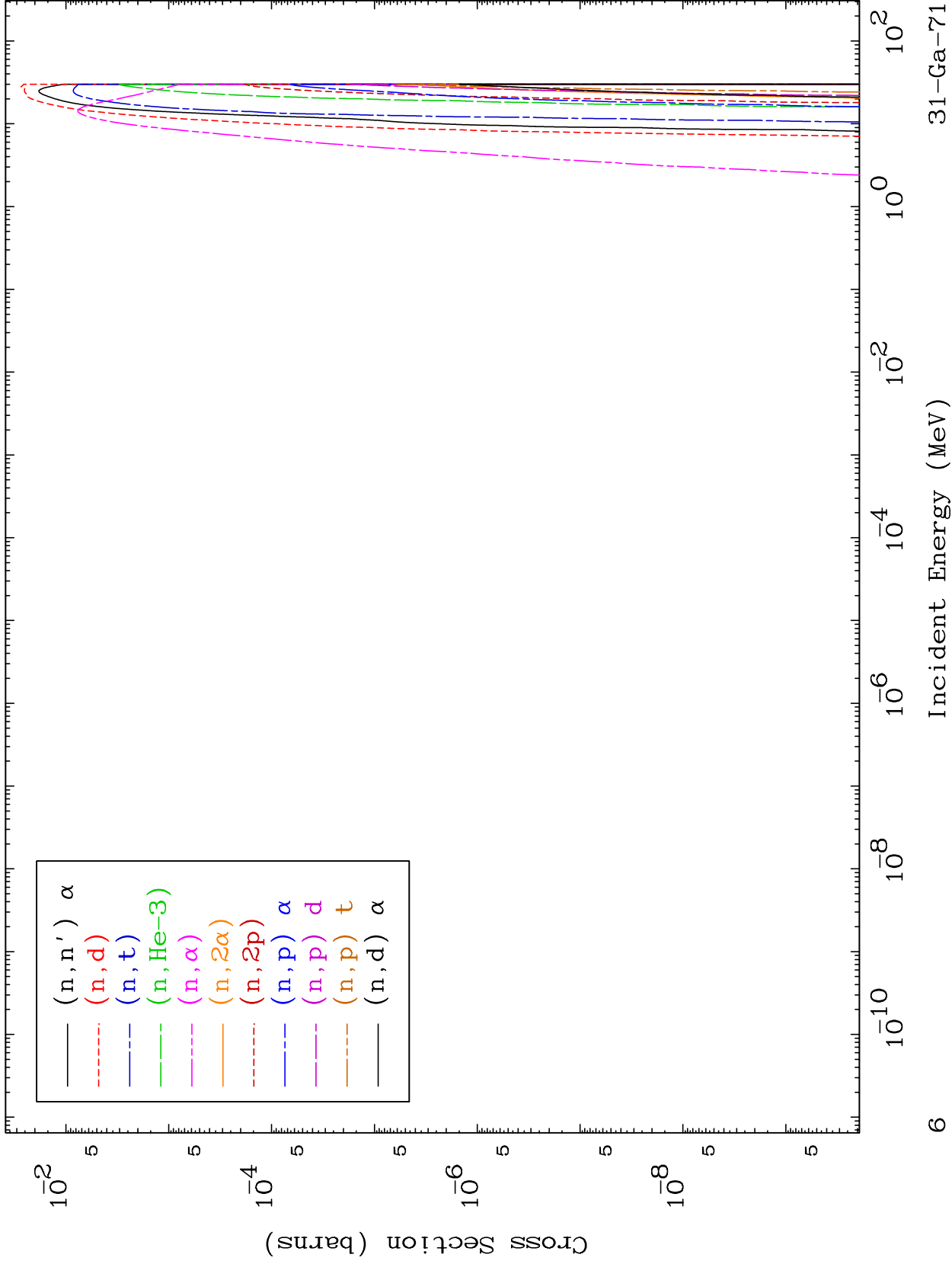




MAT 3131

Charged Particle
293 Kelvin Cross Sections

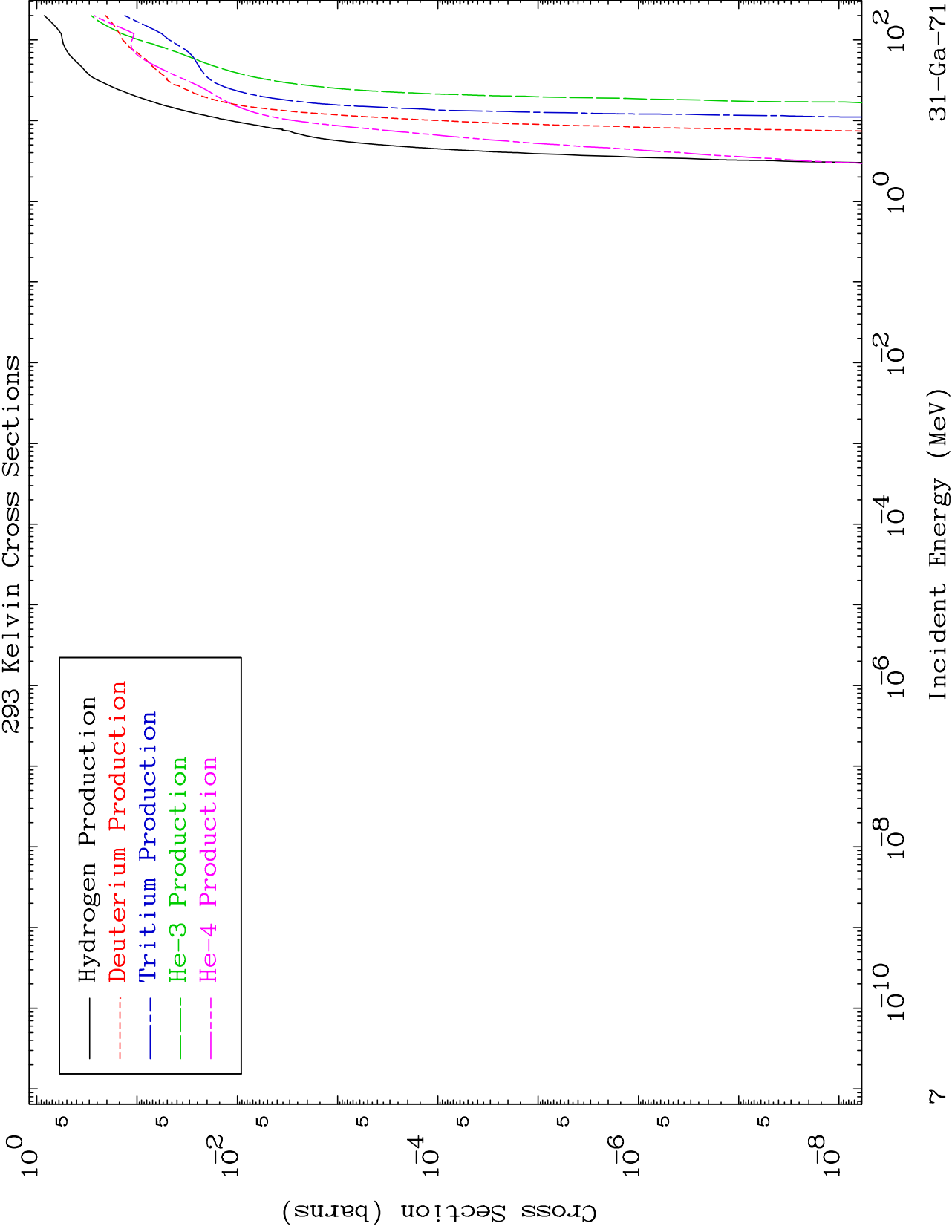
31-Ga-71



MAT 3131

Particle Production
293 Kelvin Cross Sections

31-Ga-71

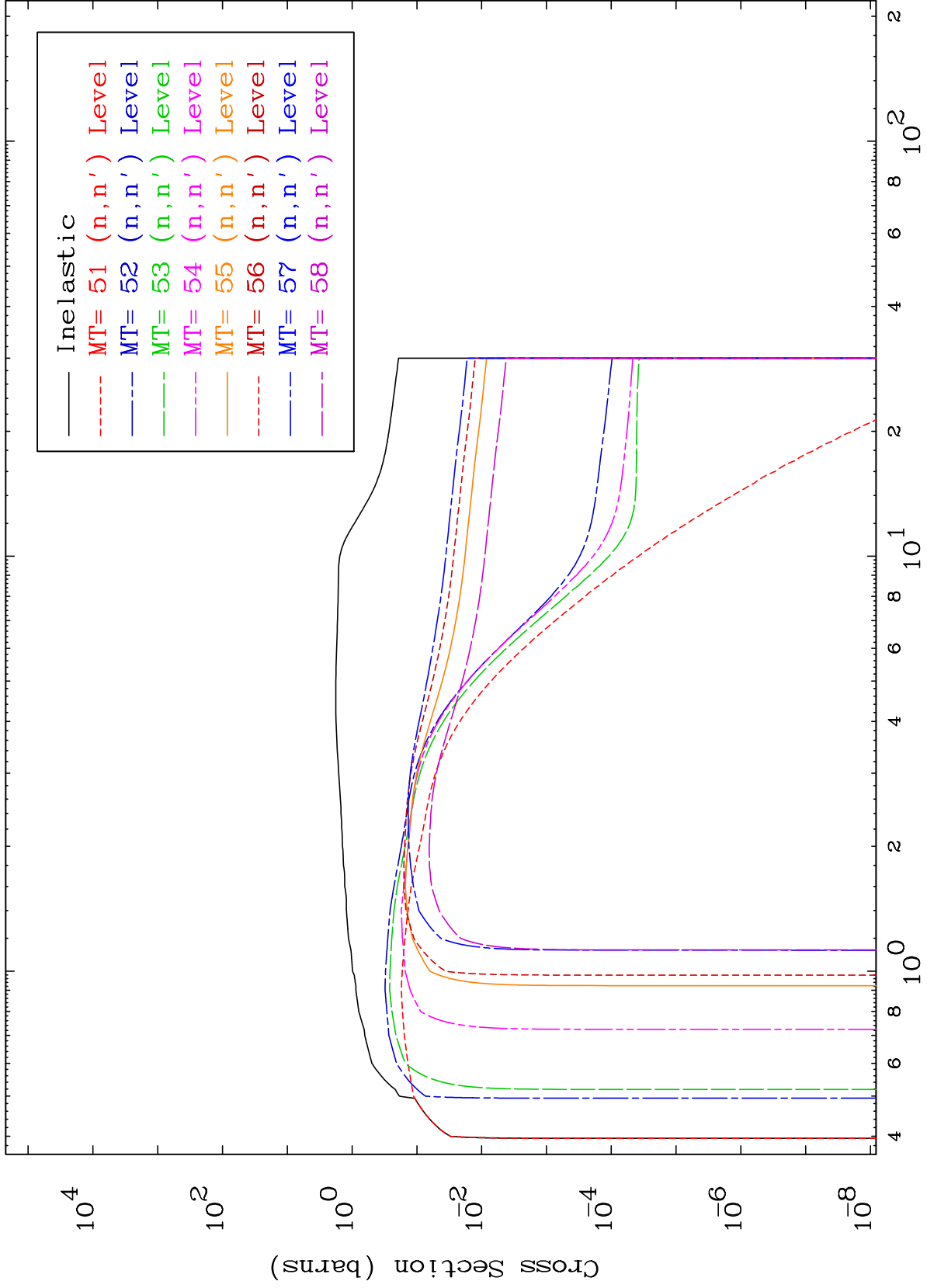


MAT 3131

(n,n') Levels

31-Ga-71

293 Kelvin Cross Sections



8

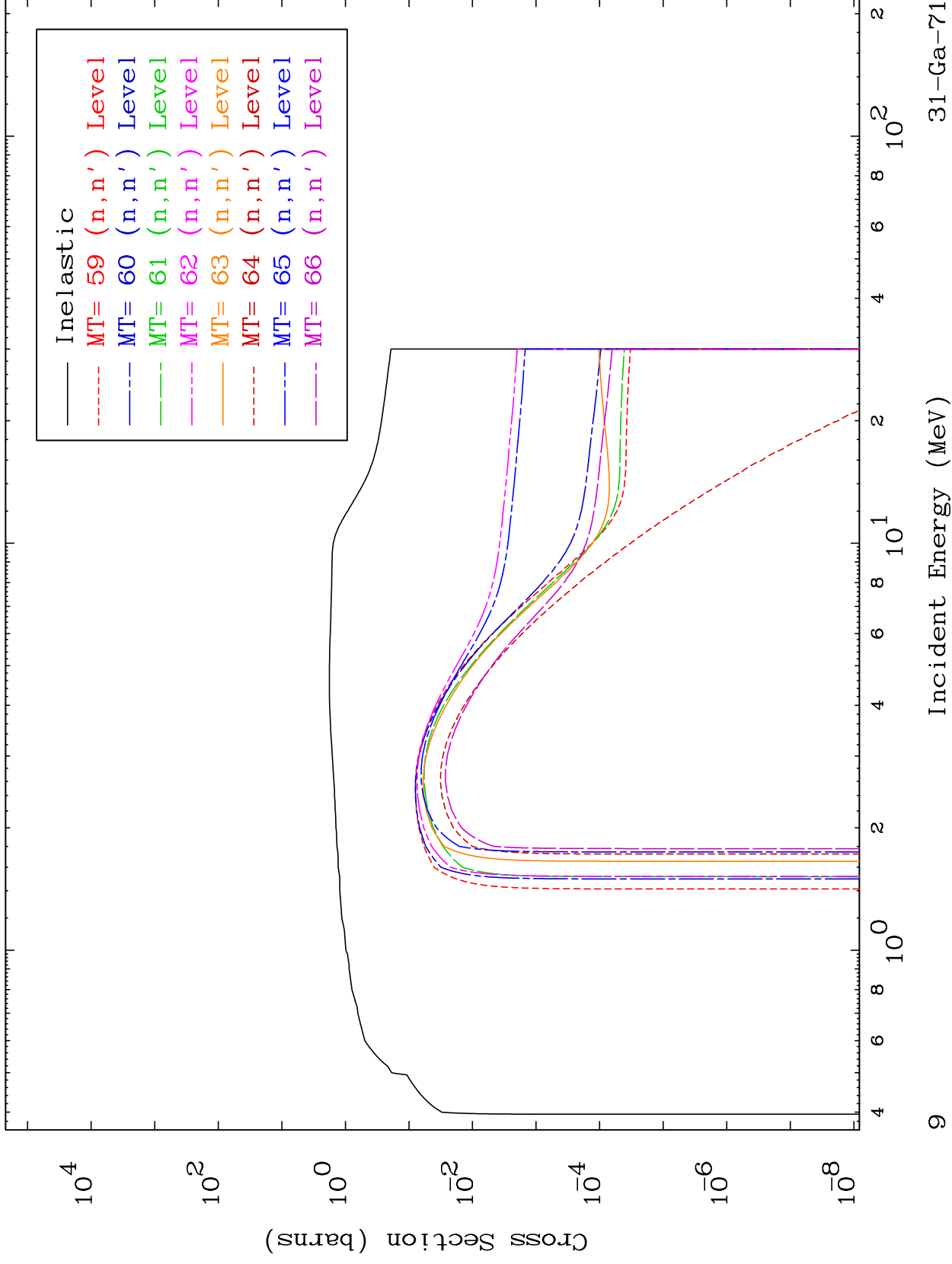
Incident Energy (MeV)

31-Ga-71

MAT 3131

(n,n') Levels
293 Kelvin Cross Sections

31-Ga-71

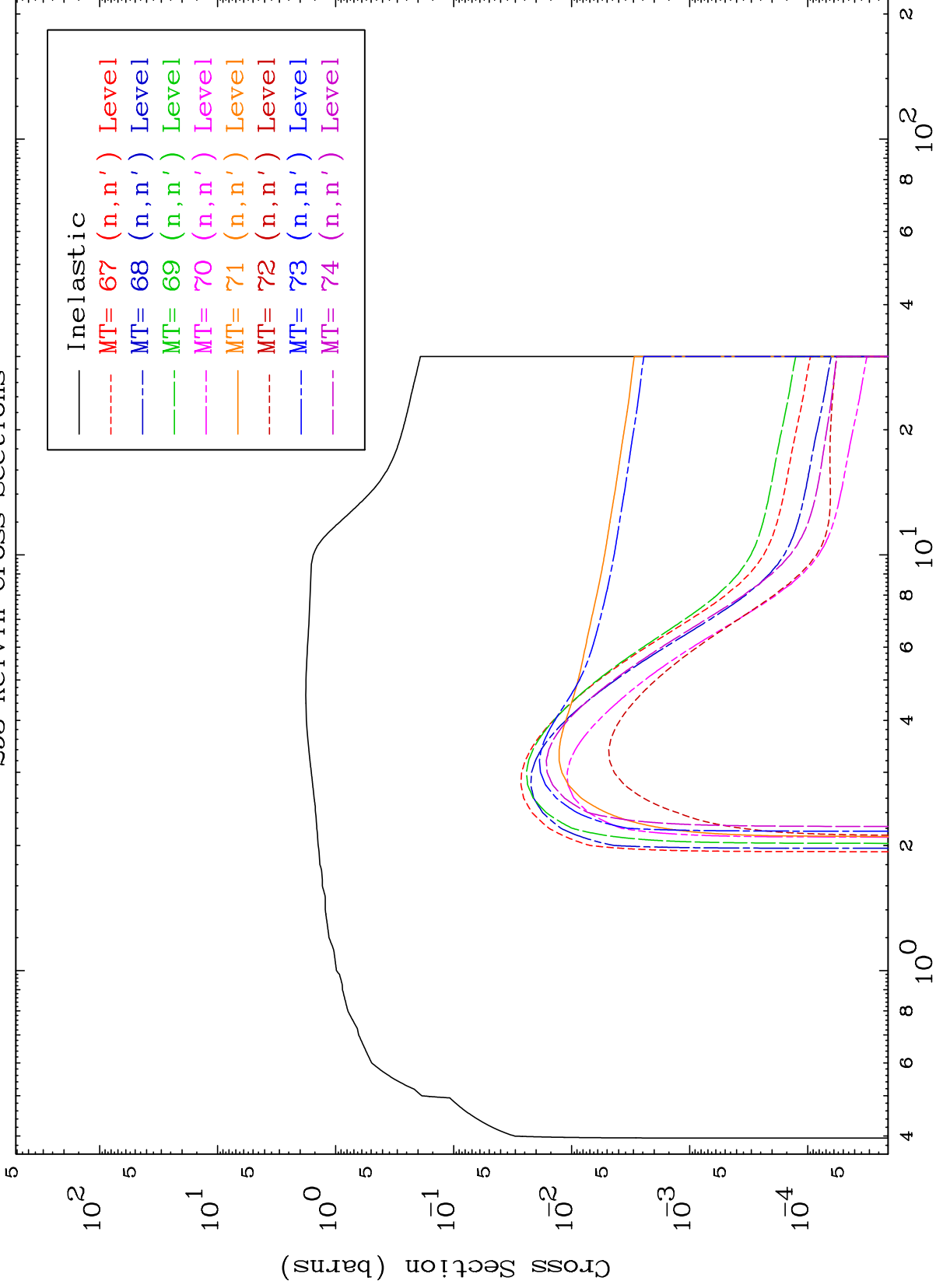


MAT 3131

(n,n') Levels

31-Ga-71

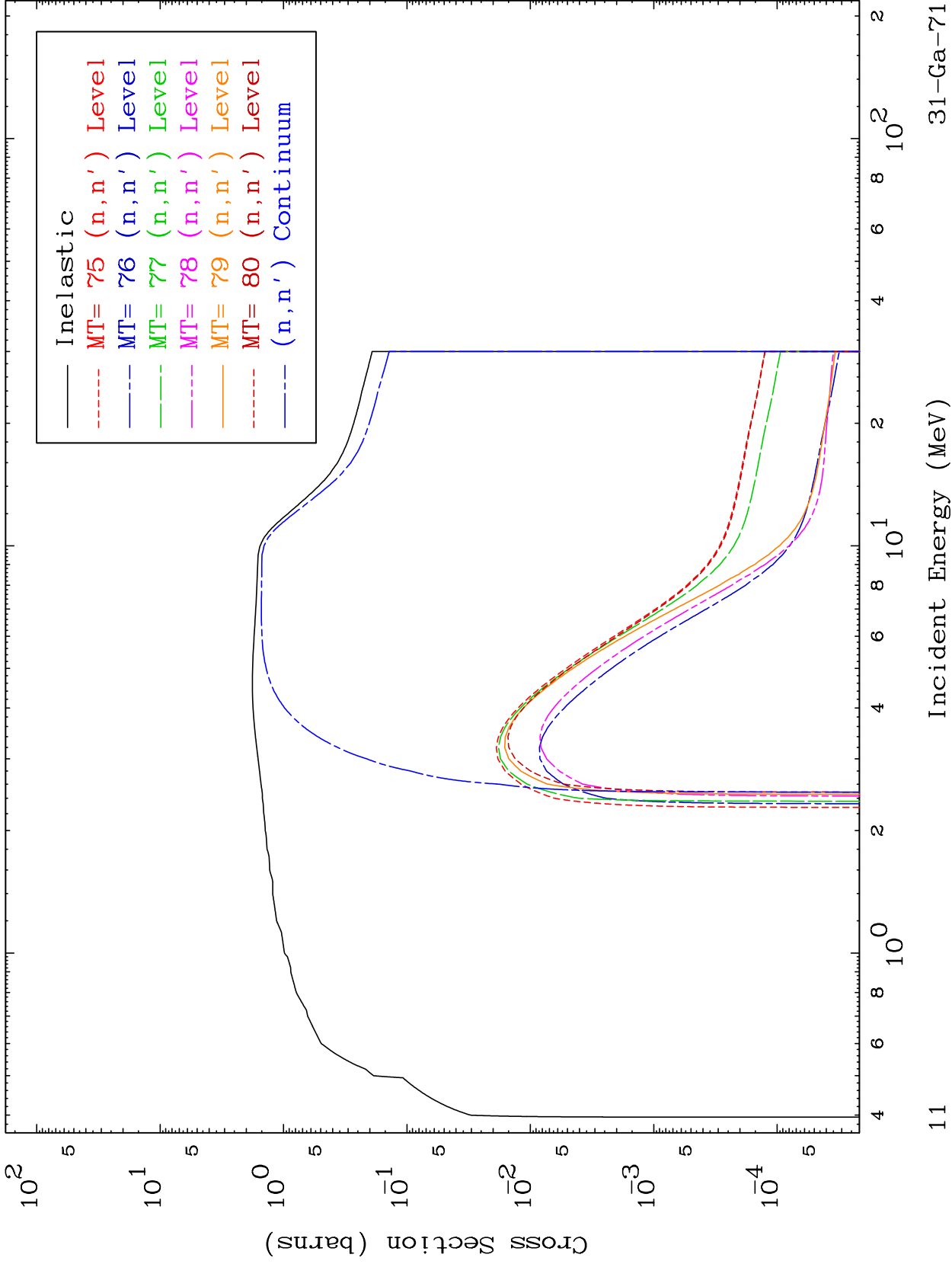
293 Kelvin Cross Sections



10

Incident Energy (MeV)

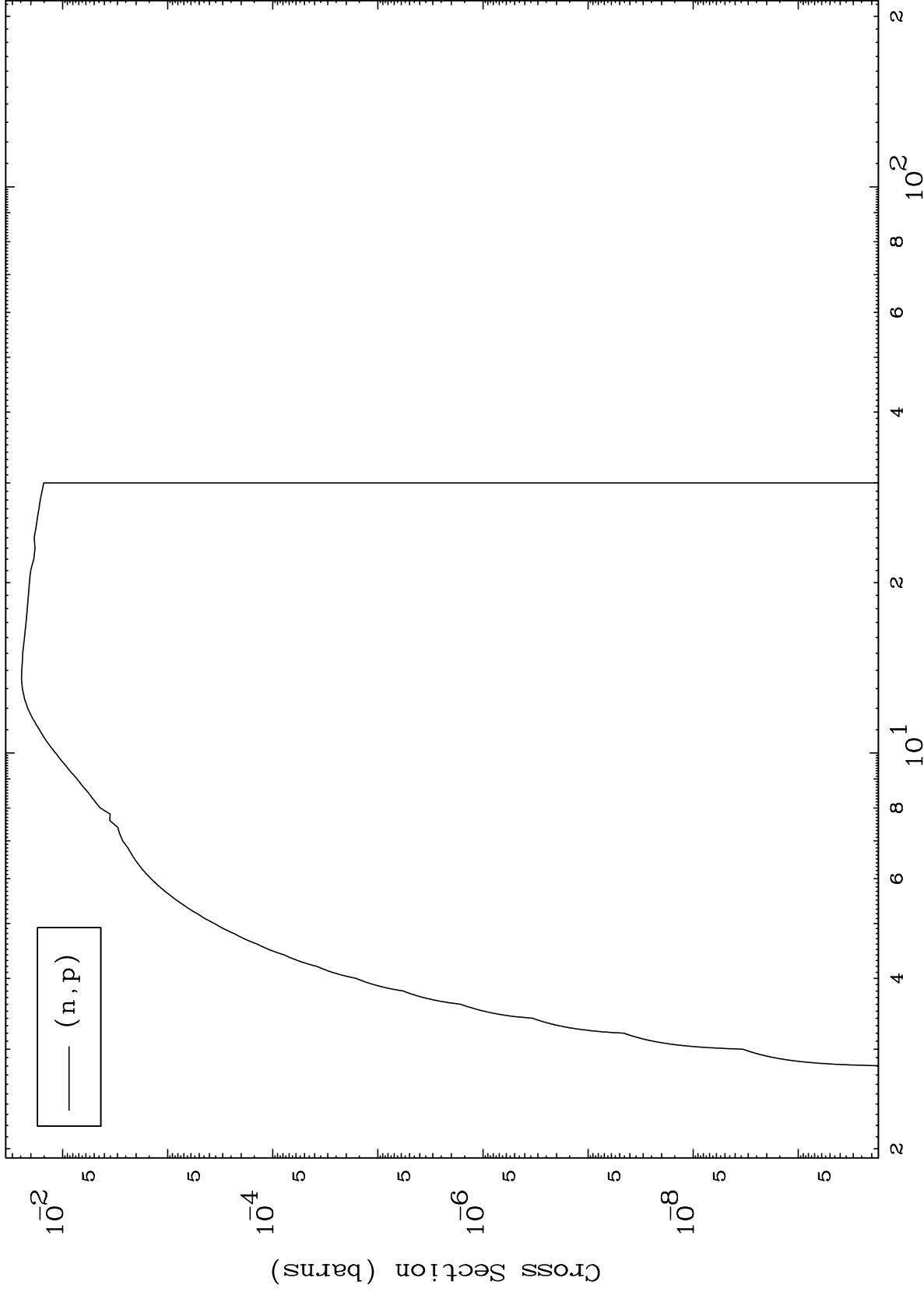
31-Ga-71



MAT 3131

(n,p) Levels
293 Kelvin Cross Sections

31-Ga-71



12

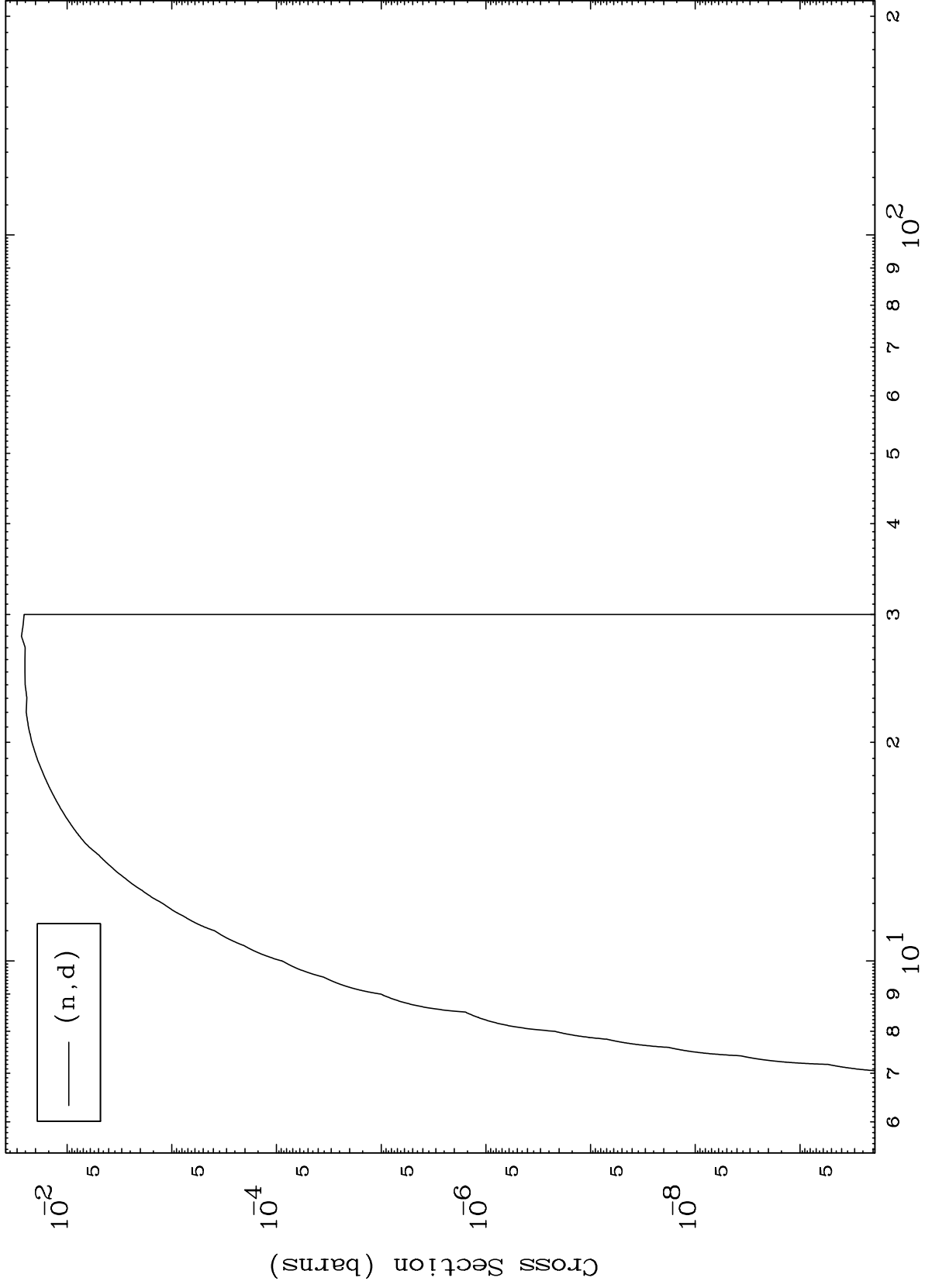
Incident Energy (MeV)

31-Ga-71

MAT 3131

(n,d) Levels
293 Kelvin Cross Sections

31-Ga-71



13

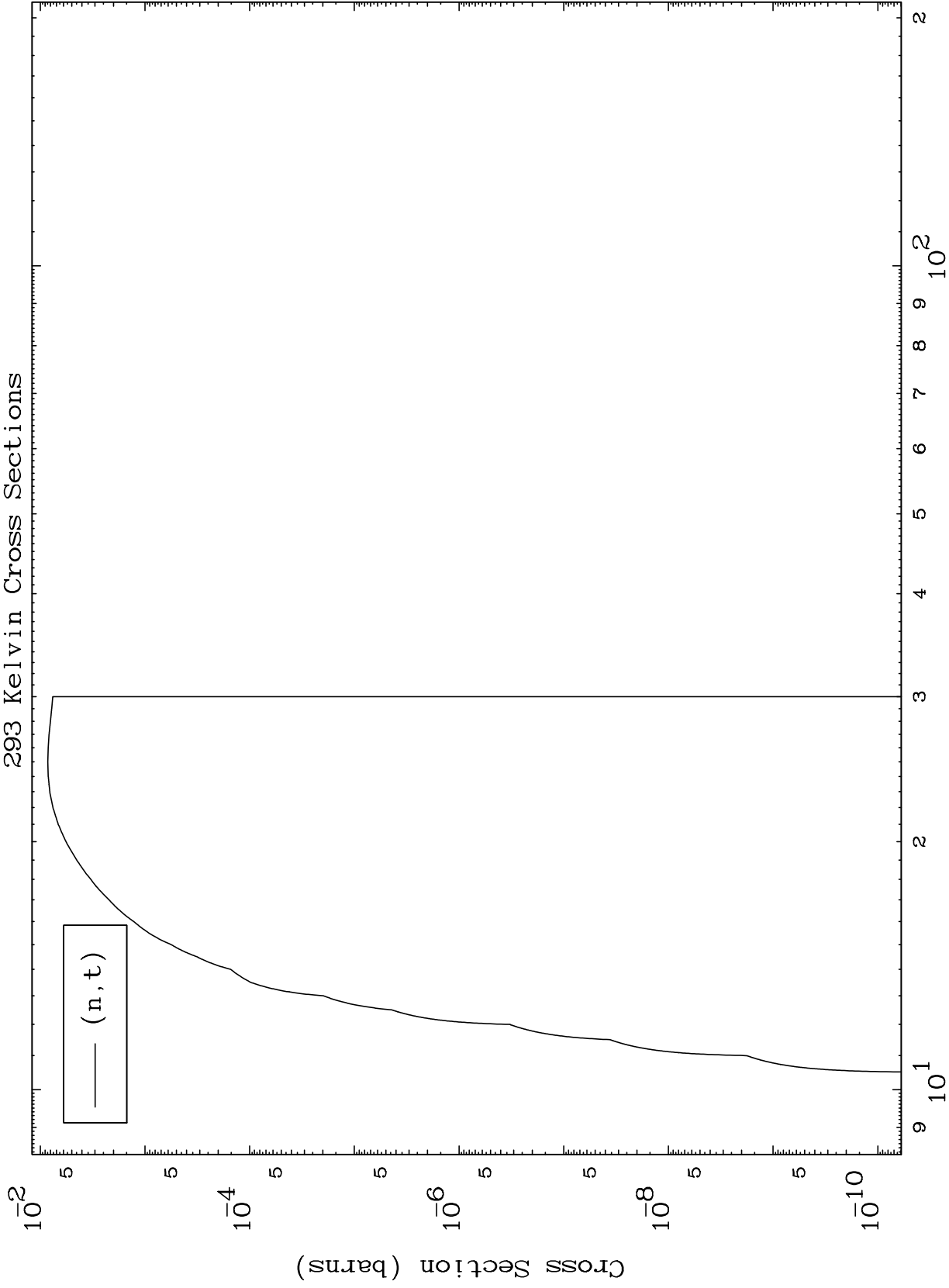
Incident Energy (MeV)

31-Ga-71

MAT 3131

(n,t) Levels
293 Kelvin Cross Sections

31-Ga-71



14

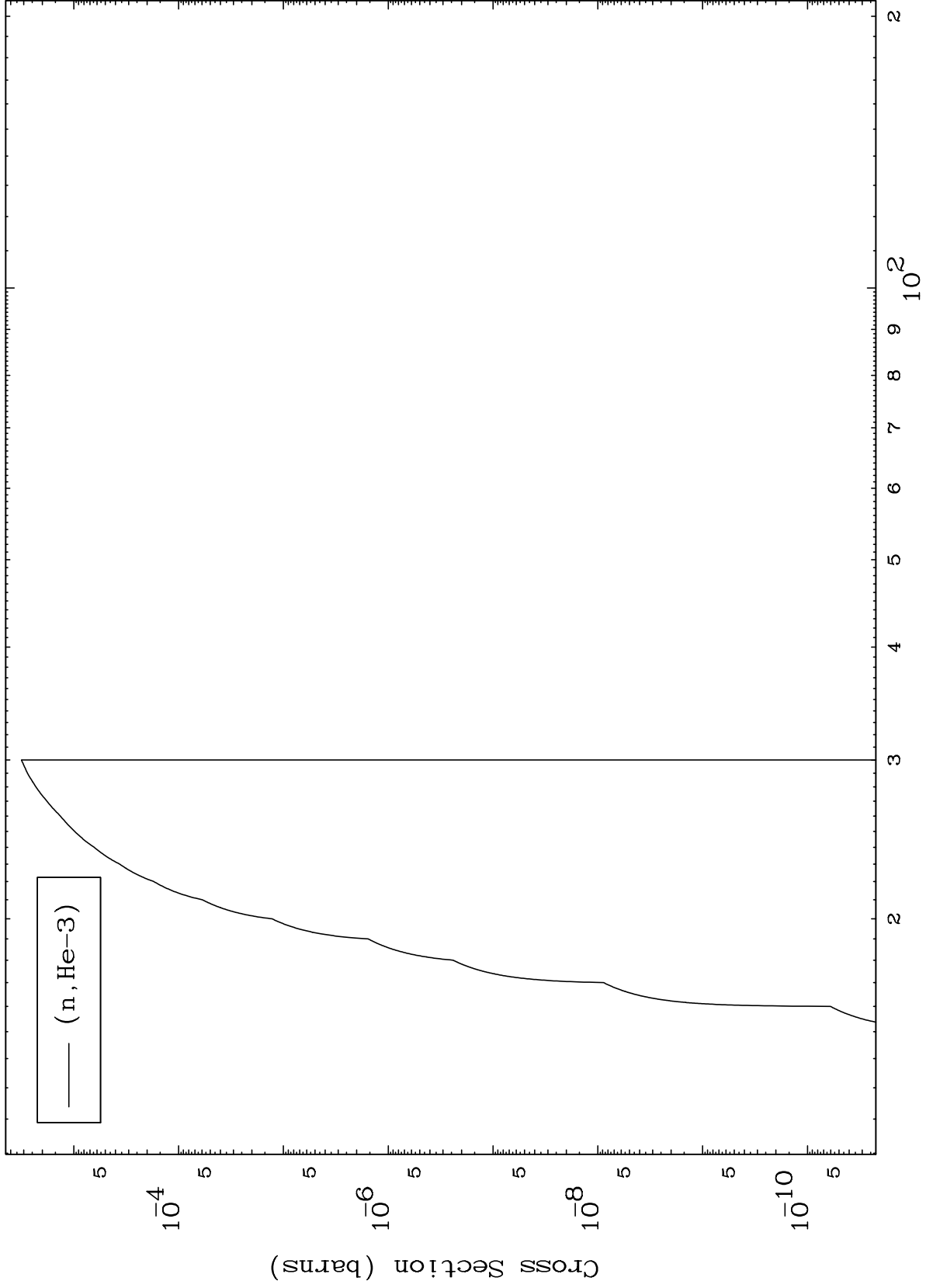
Incident Energy (MeV)

31-Ga-71

MAT 3131

(n,He3) Levels
293 Kelvin Cross Sections

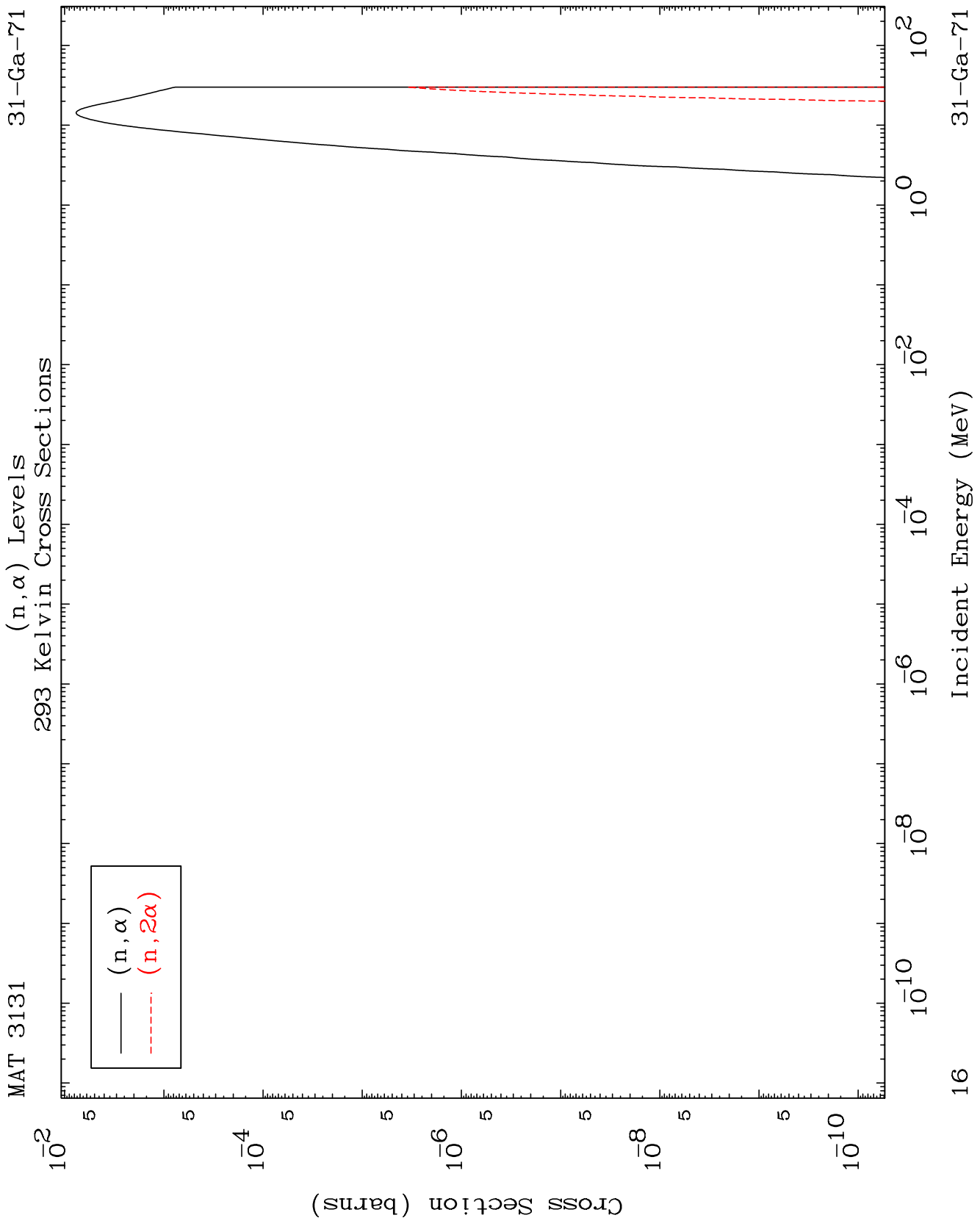
31-Ga-71

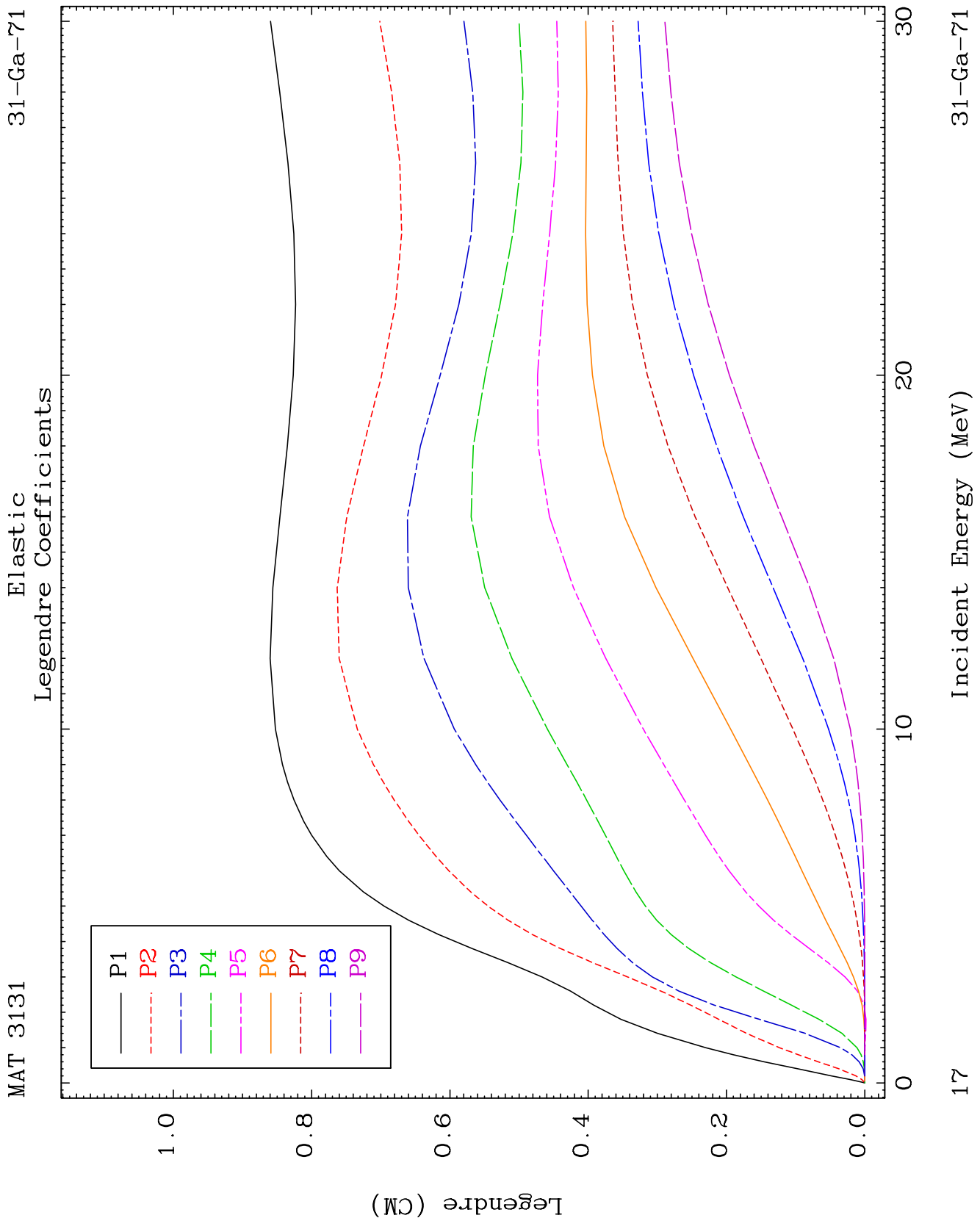


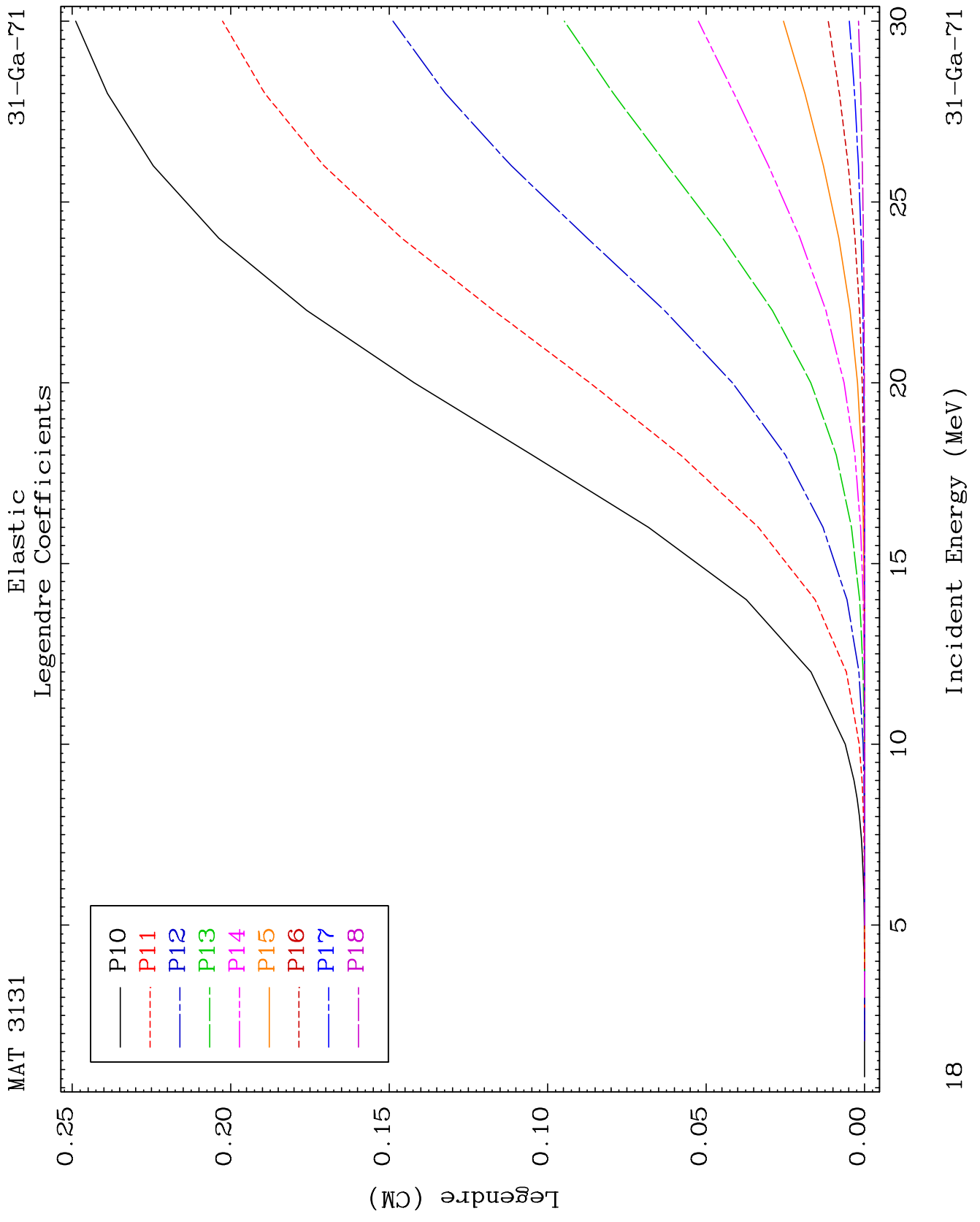
15

Incident Energy (MeV)

31-Ga-71



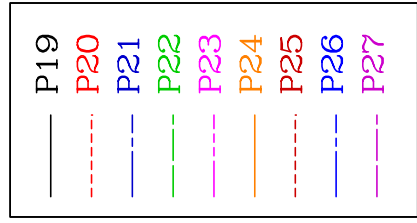




MAT 3131

Elastic Legendre Coefficients

31-Ga-71



$\times 10^{-4}$

Legendre (CM)

6

4

2

0

10

15

20

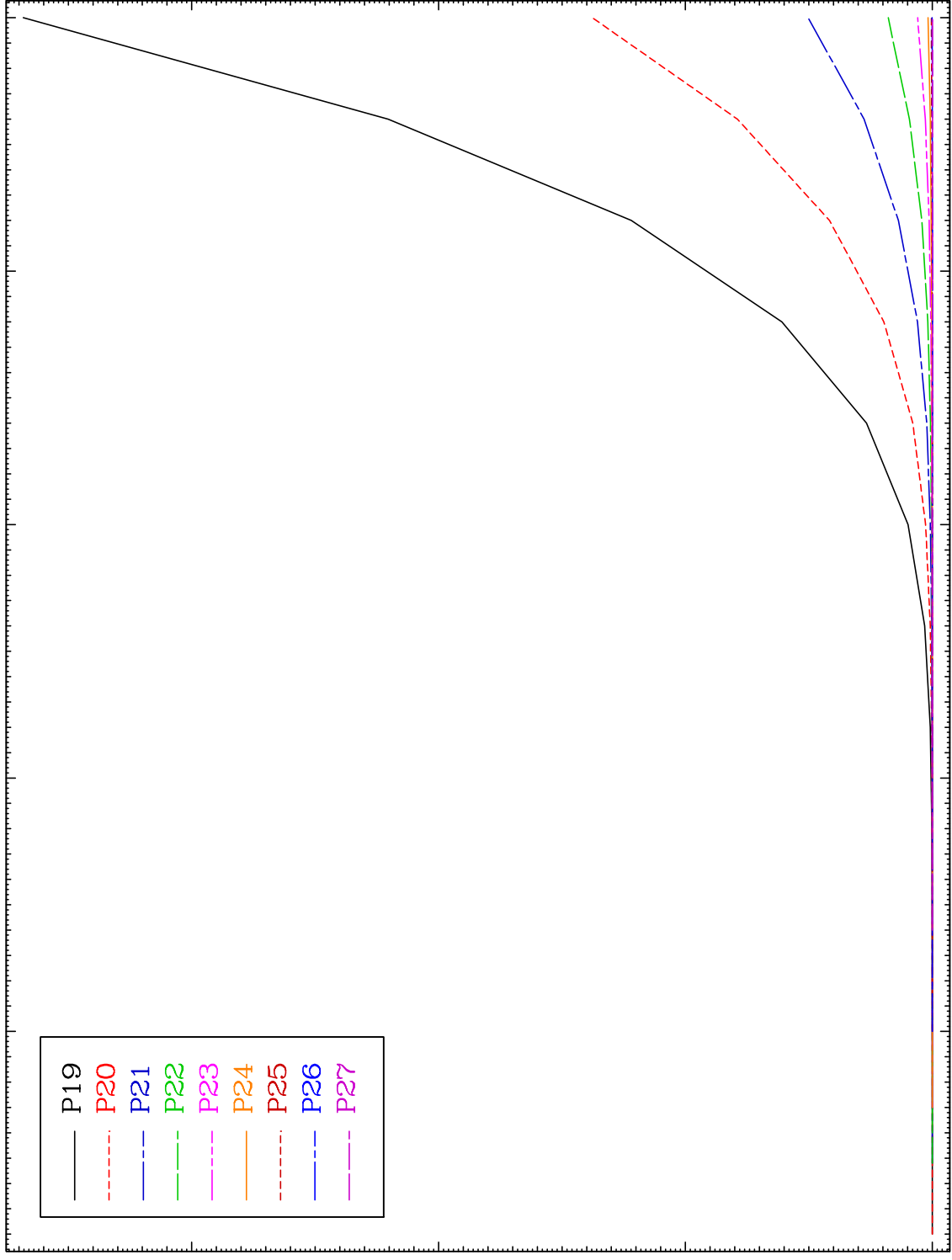
25

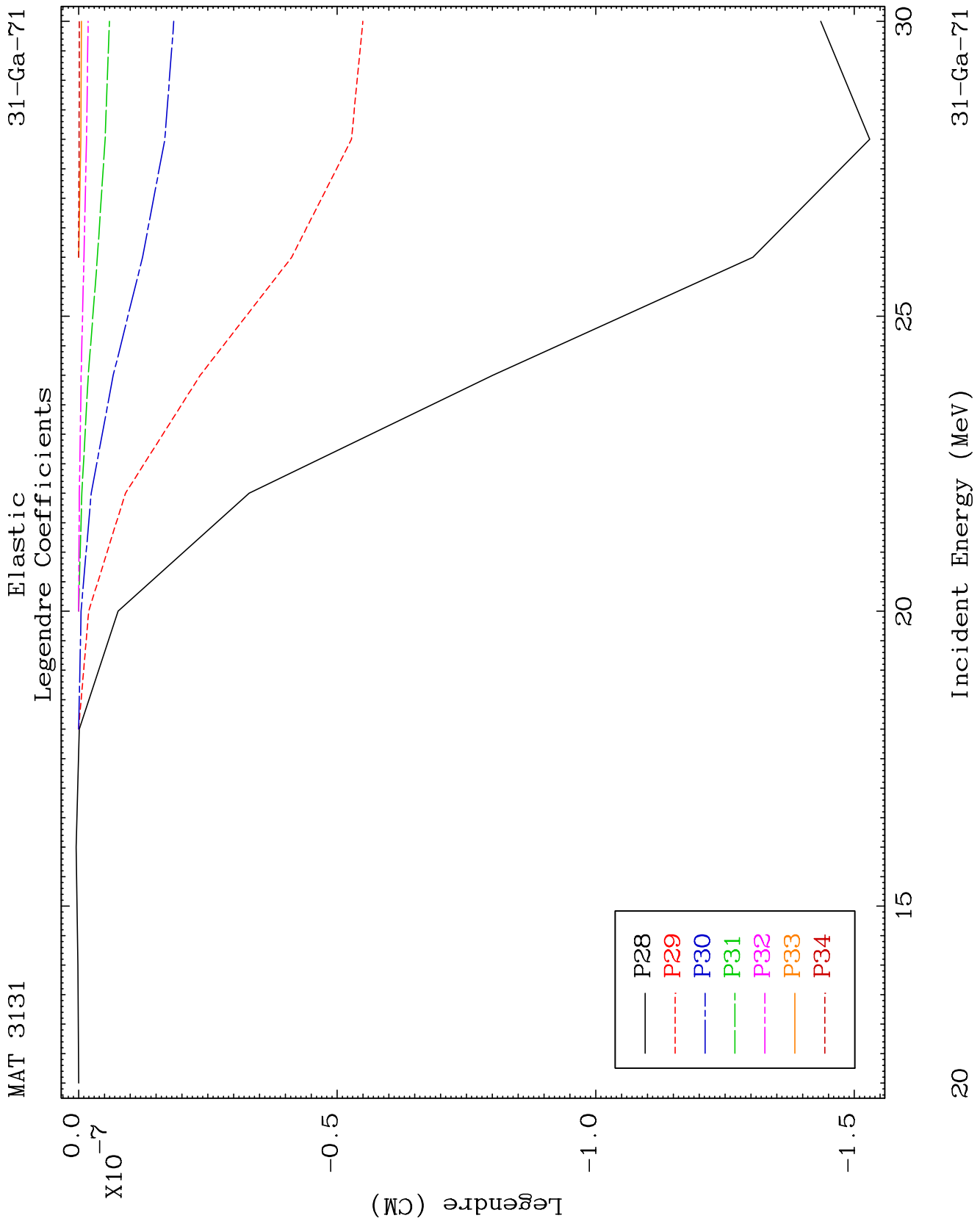
30

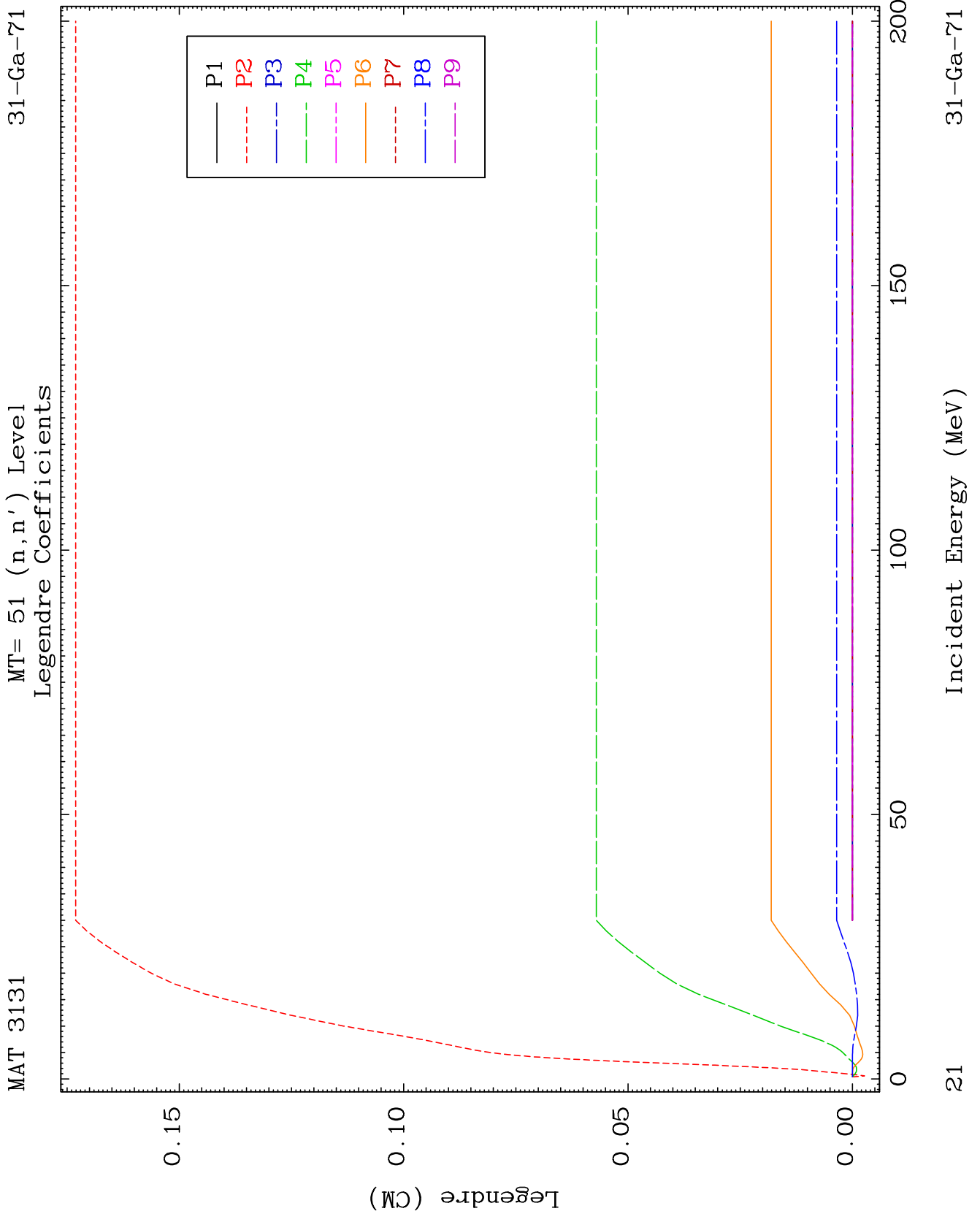
19

Incident Energy (MeV)

31-Ga-71



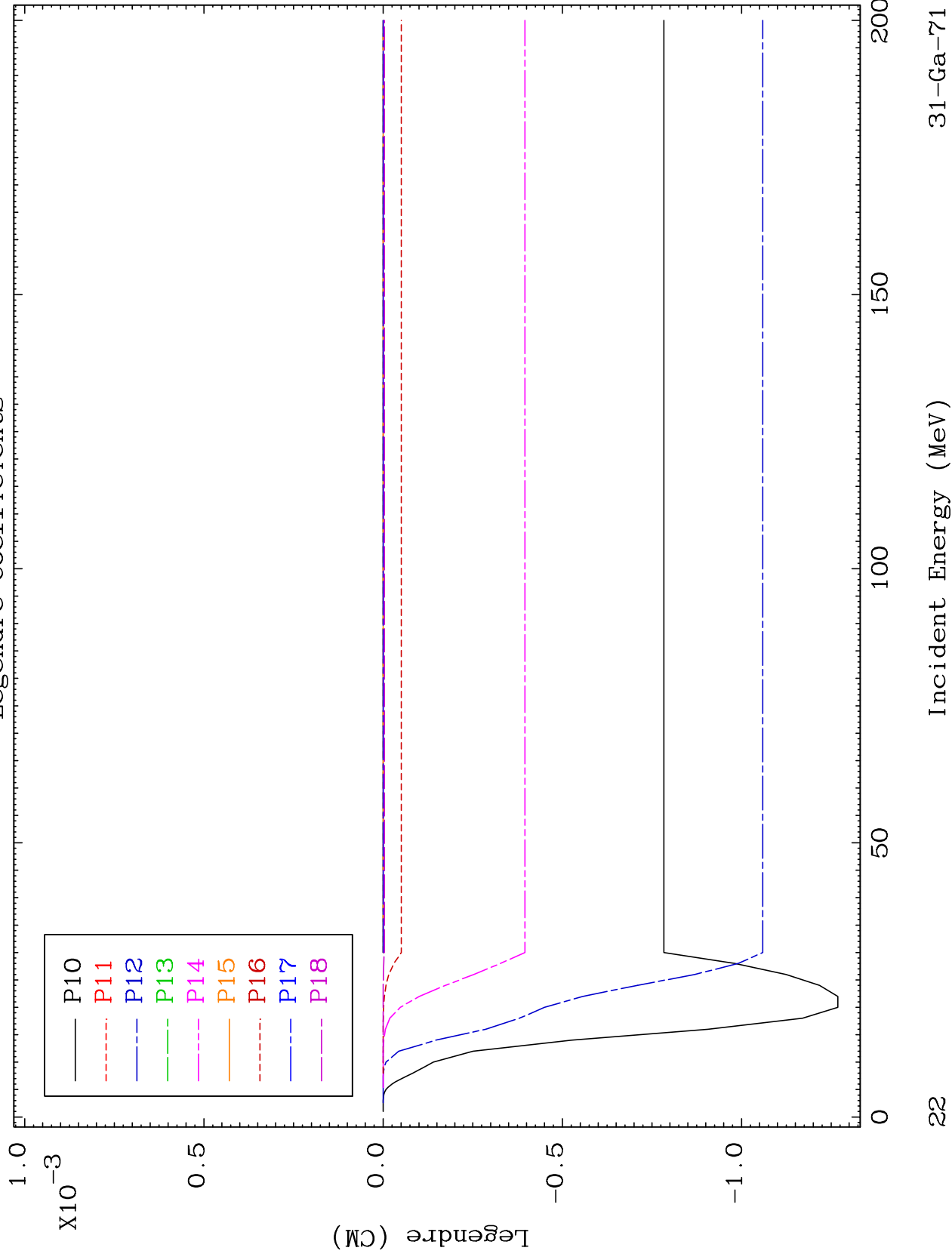




MAT 3131

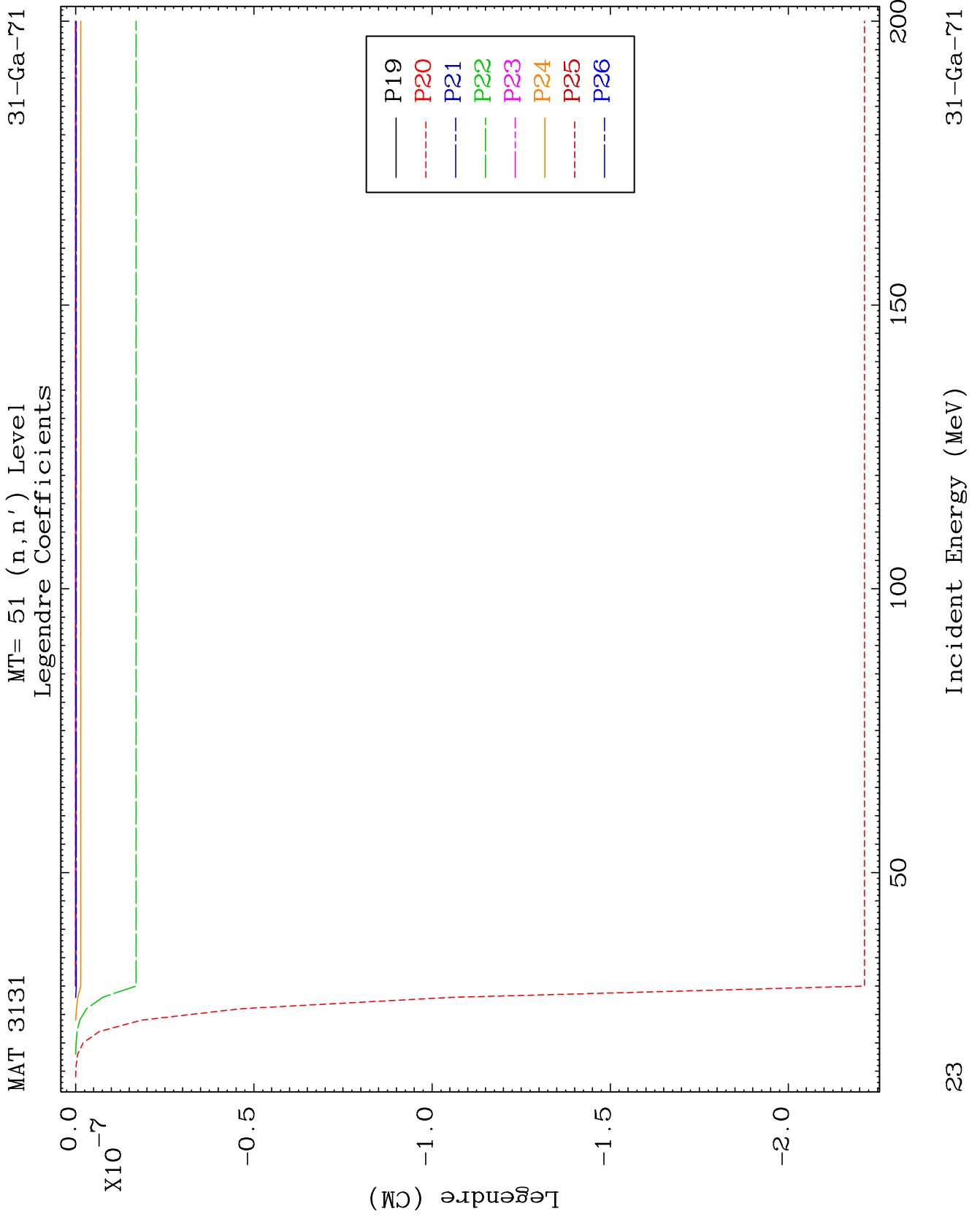
31-Ga-71

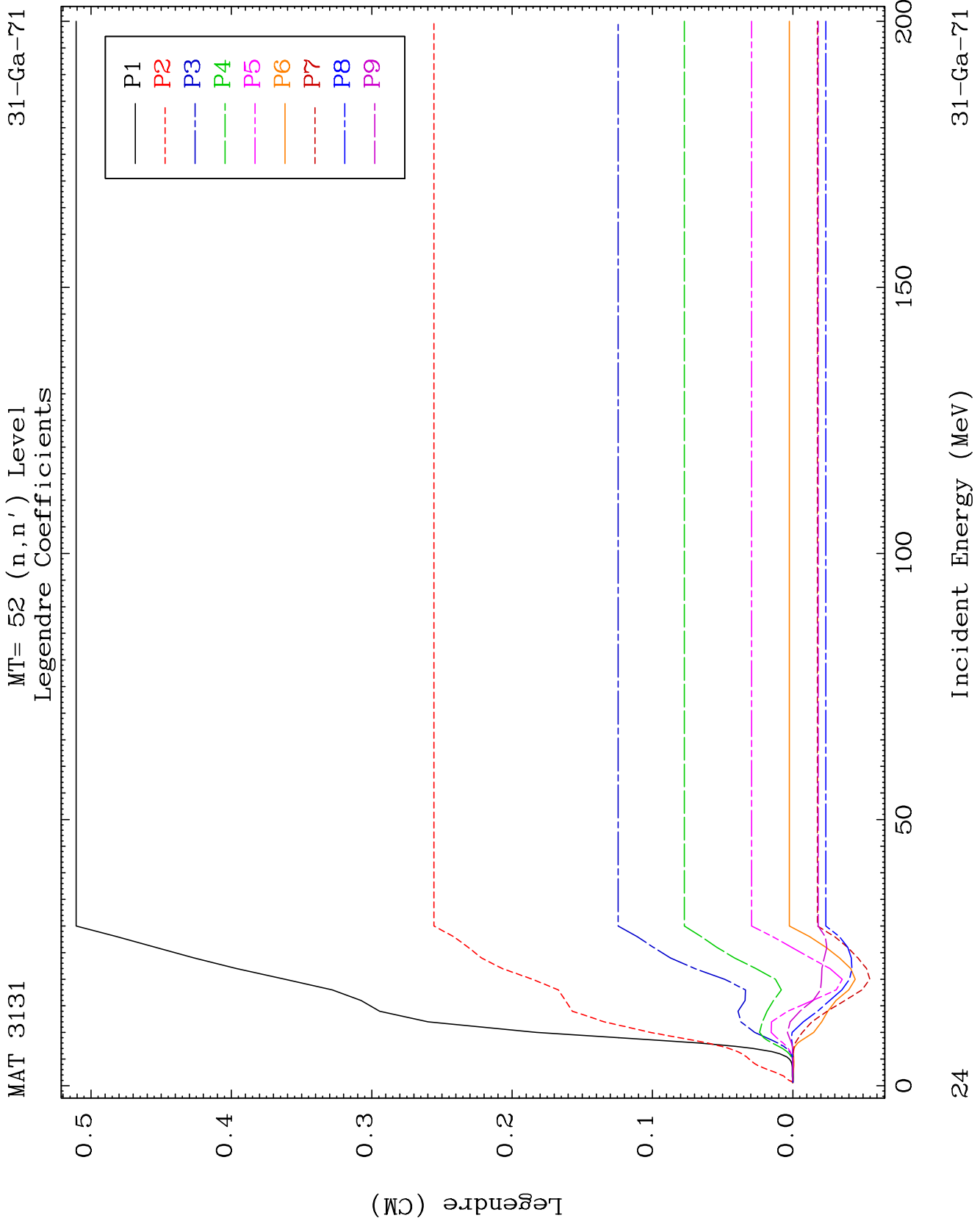
MT= 51 (n,n') Level
Legendre Coefficients



22

31-Ga-71

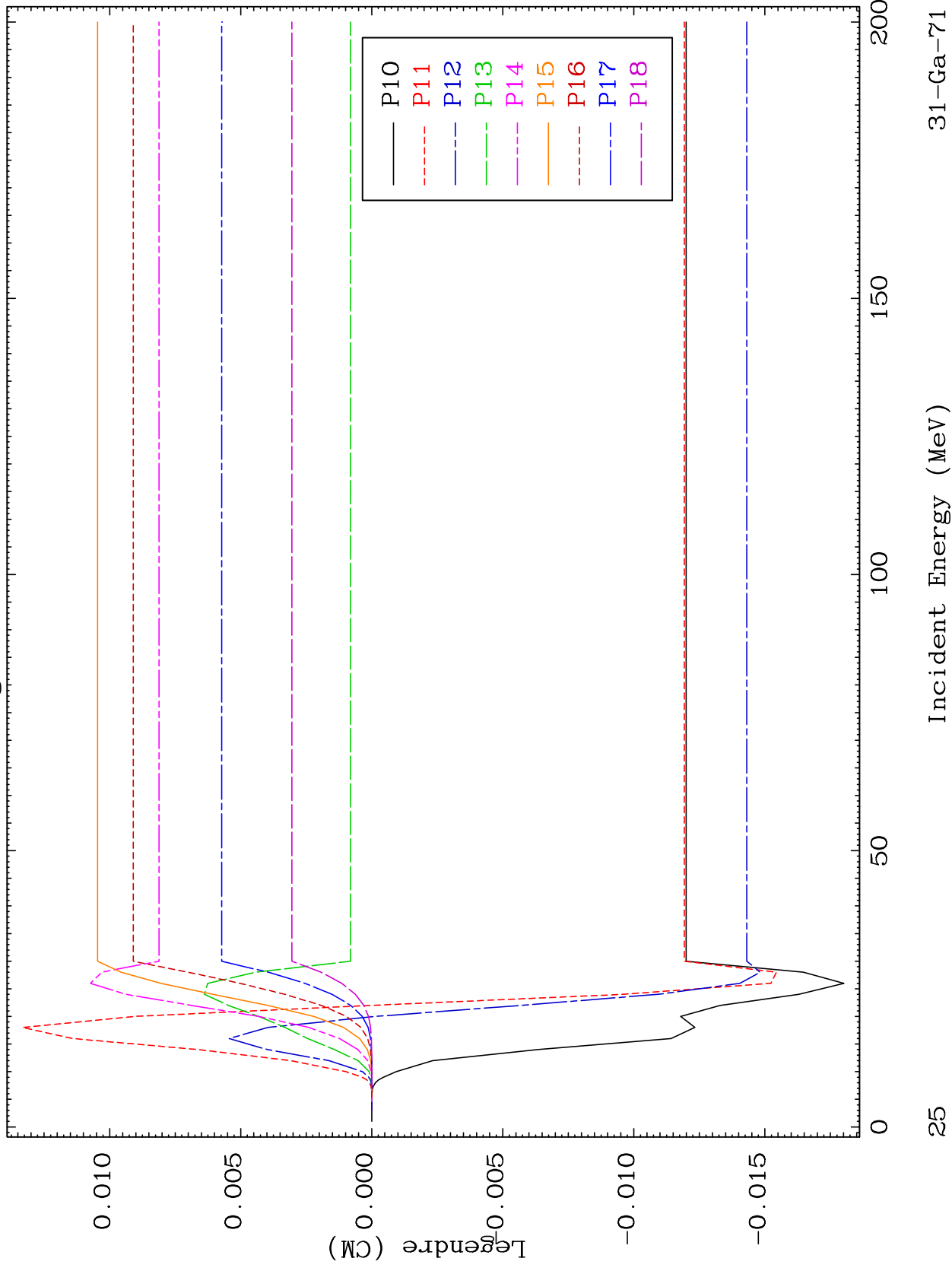




MAT 3131

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

31-Ga-71



25

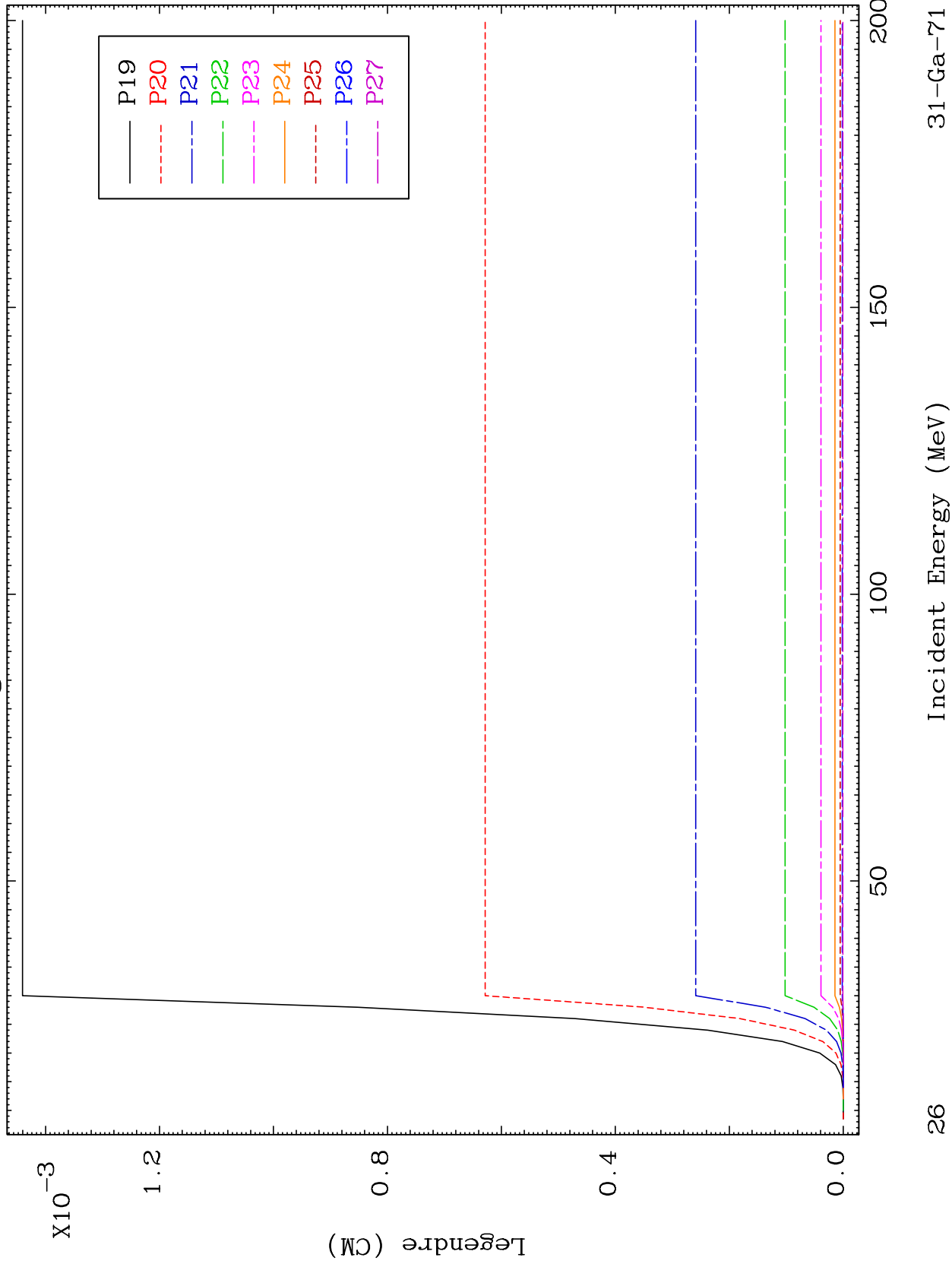
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

31-Ga-71



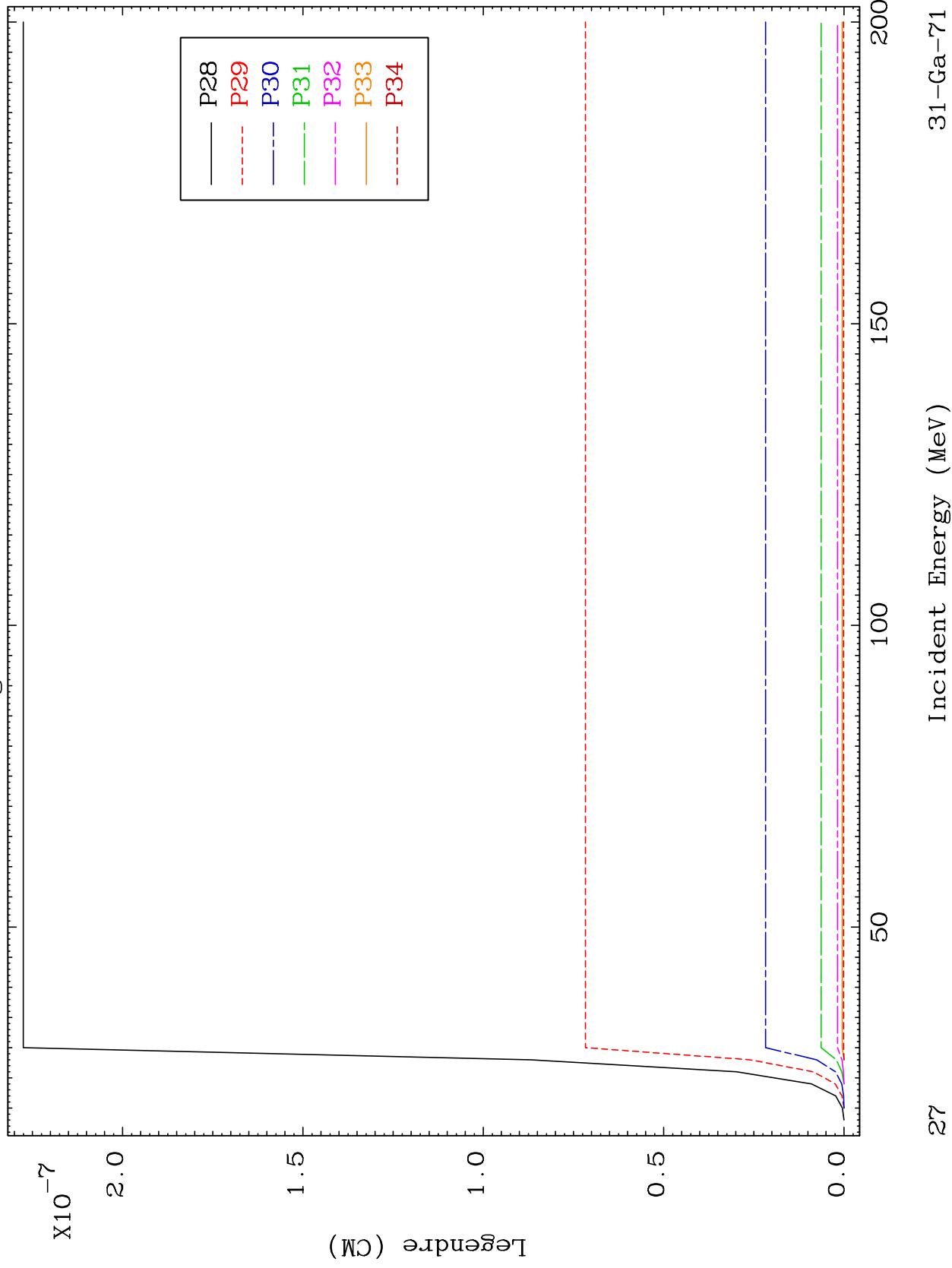
26

31-Ga-71

MAT 3131

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

31-Ga-71



27

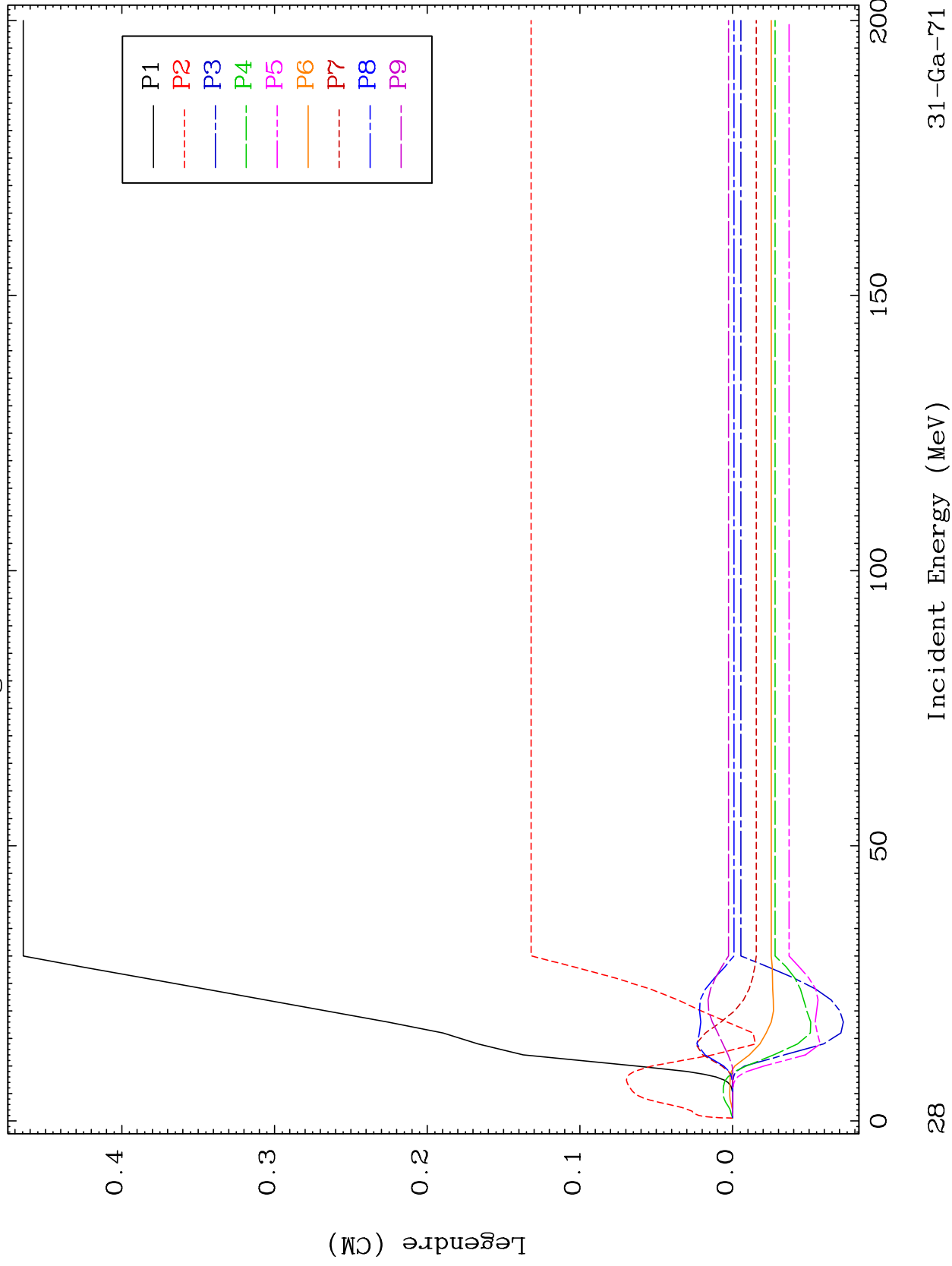
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

31-Ga-71



31-Ga-71

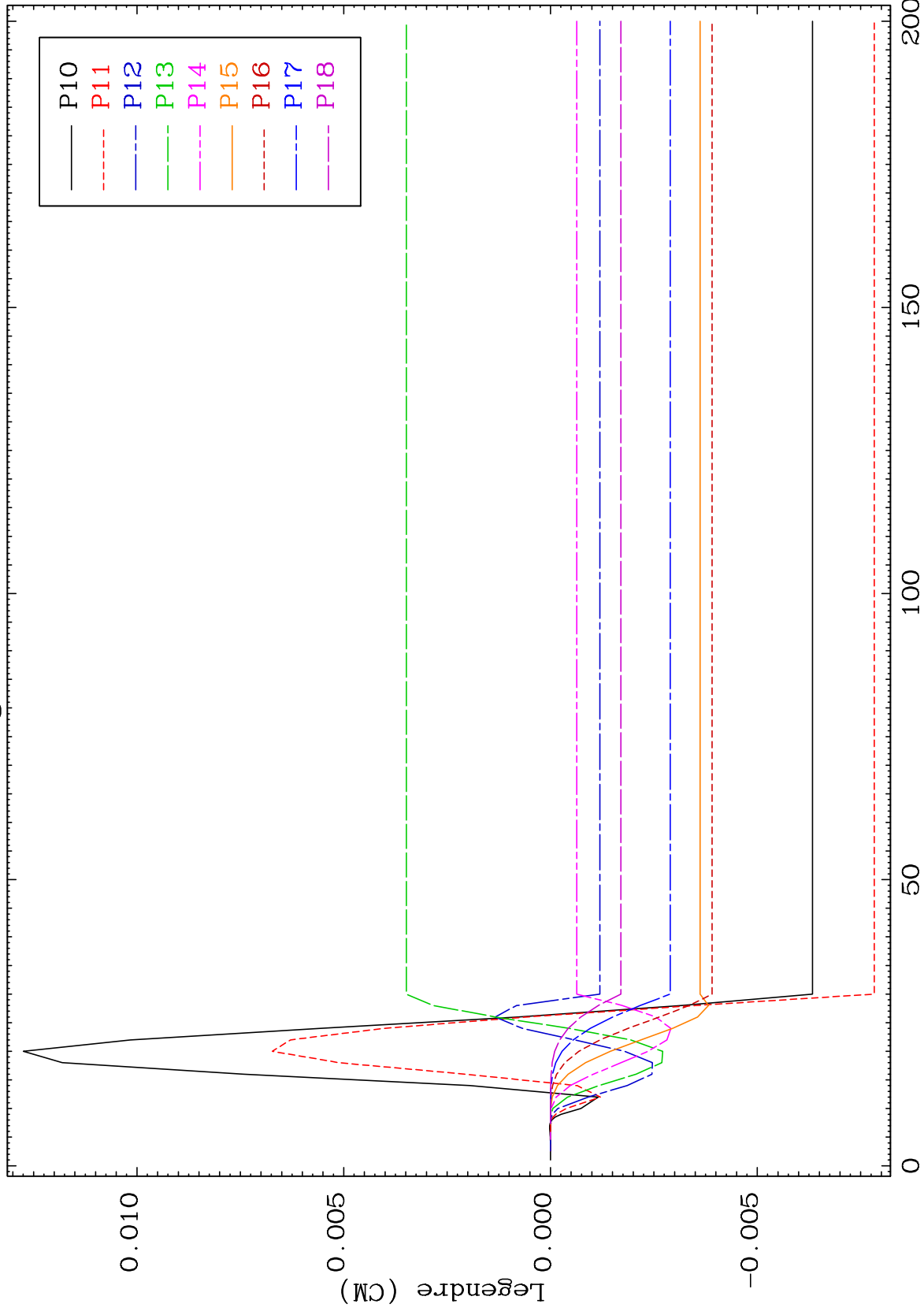
Incident Energy (MeV)

28

MAT 3131

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

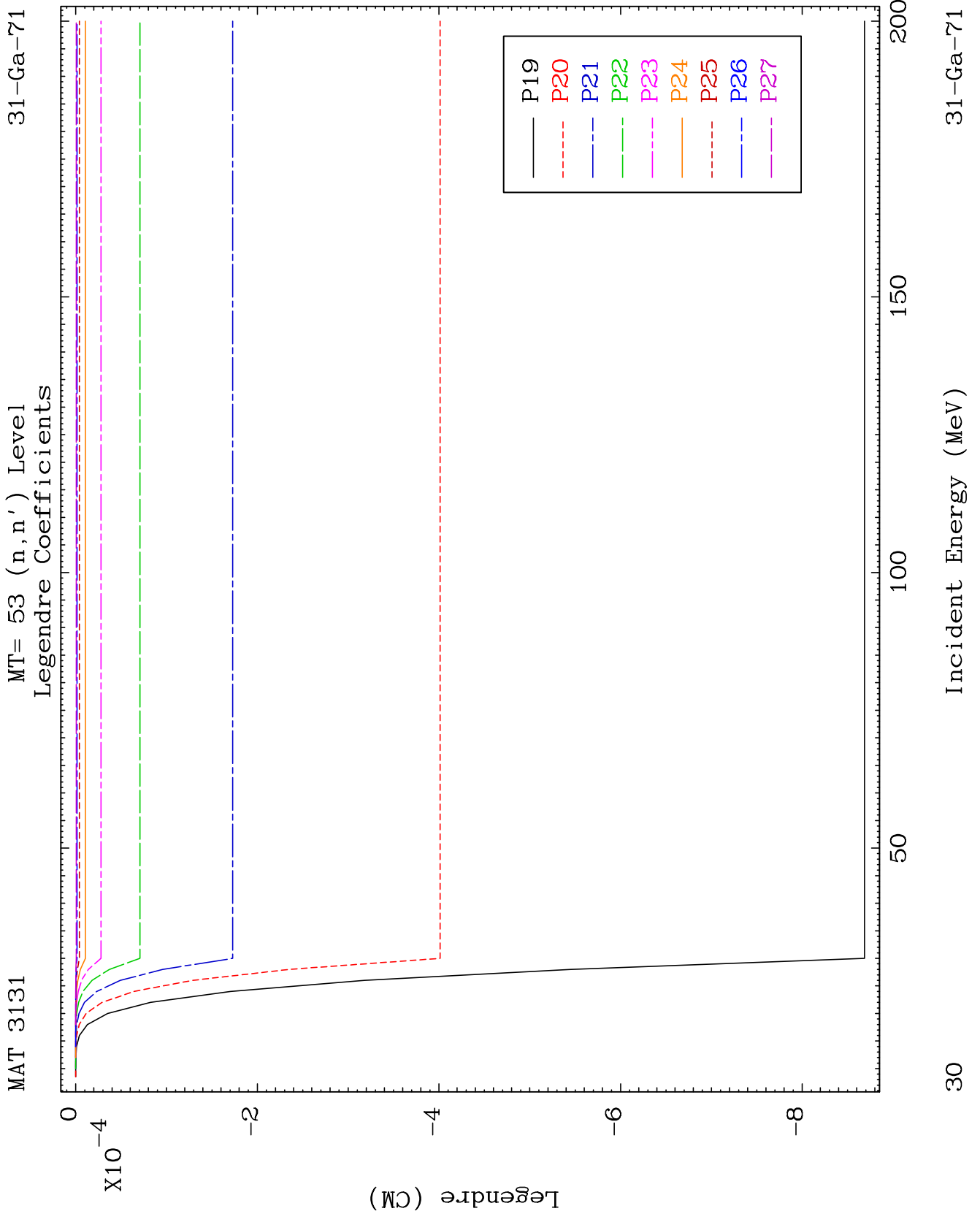
31-Ga-71

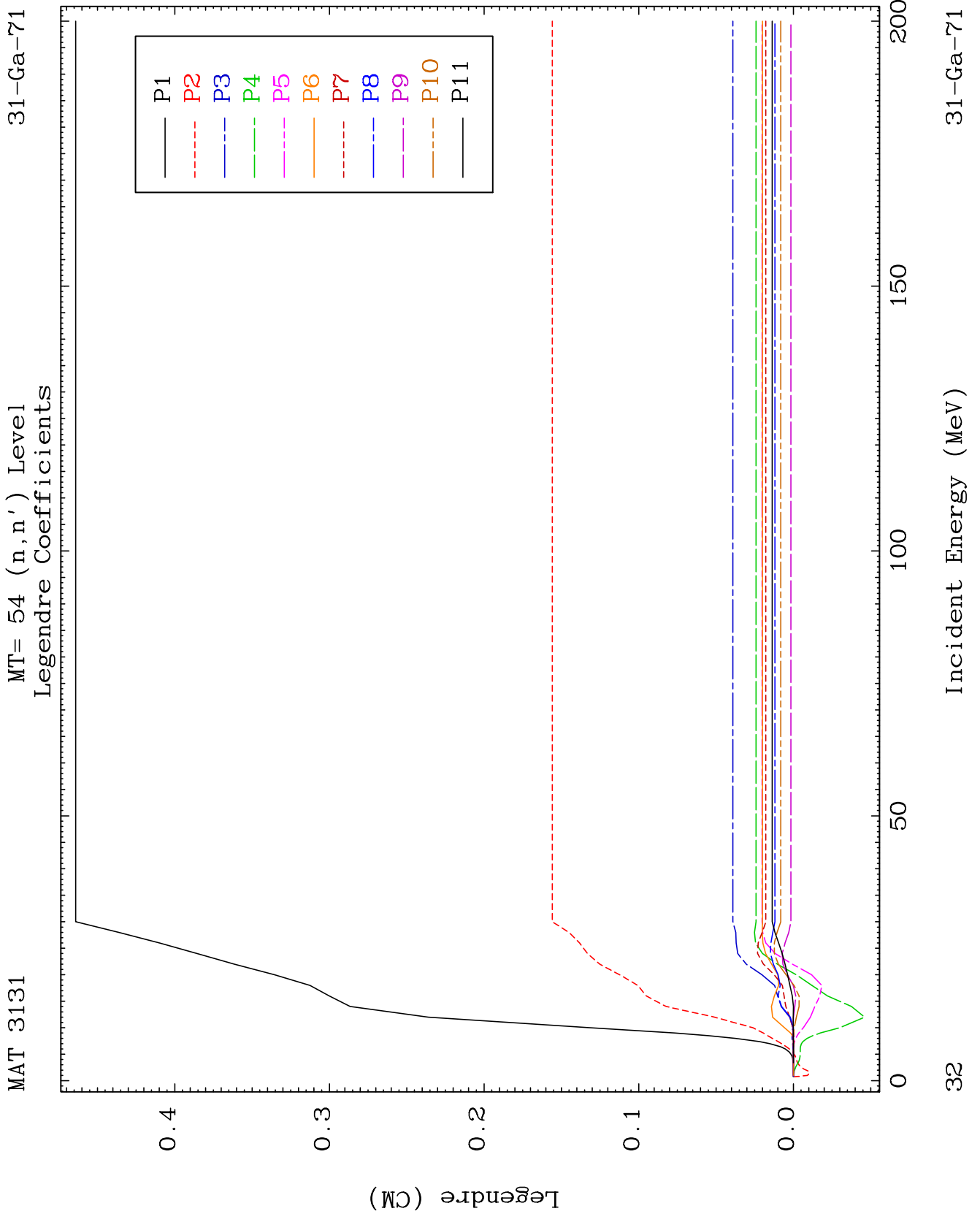


29

Incident Energy (MeV)

31-Ga-71

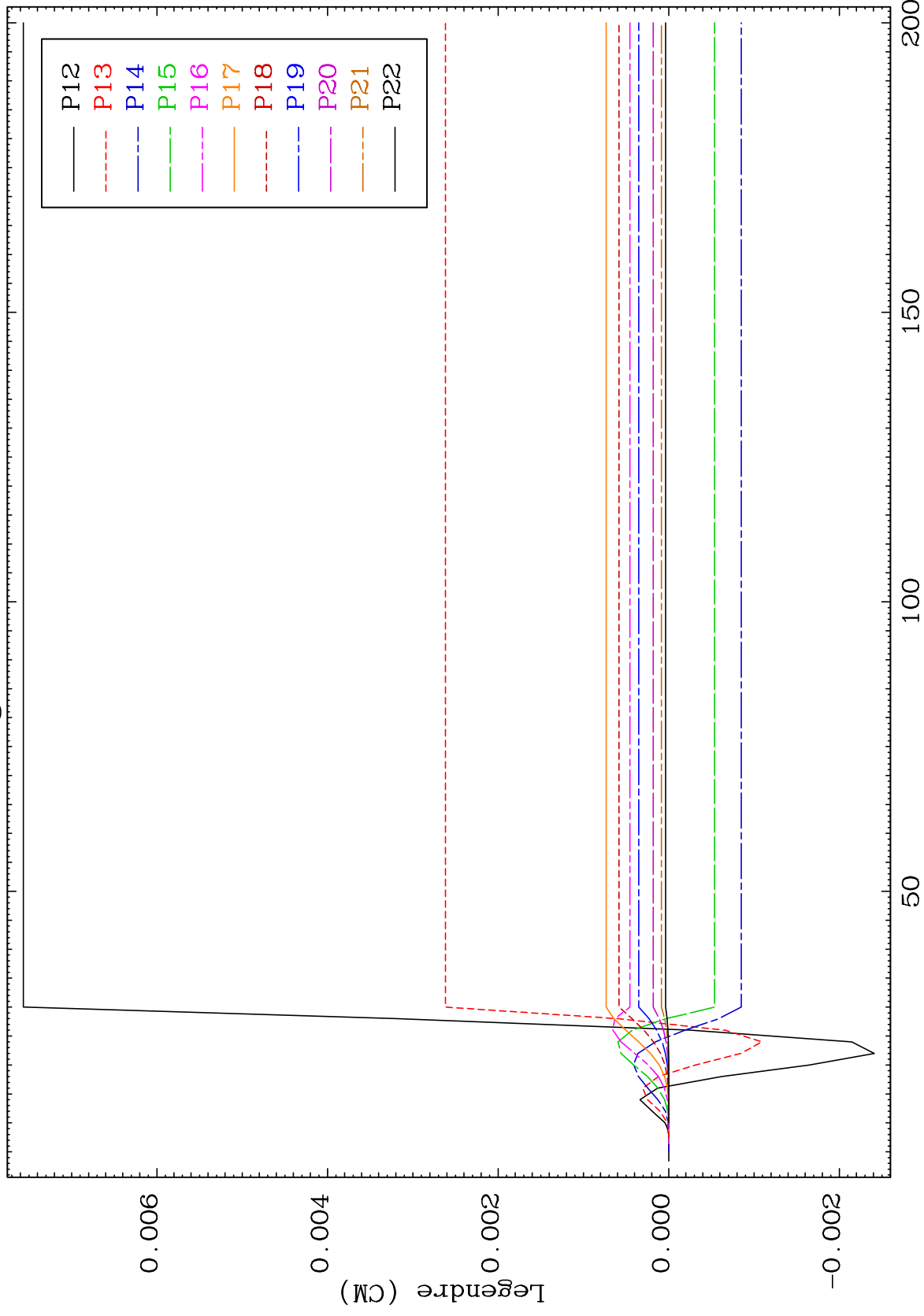




MAT 3131

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

31-Ga-71



33

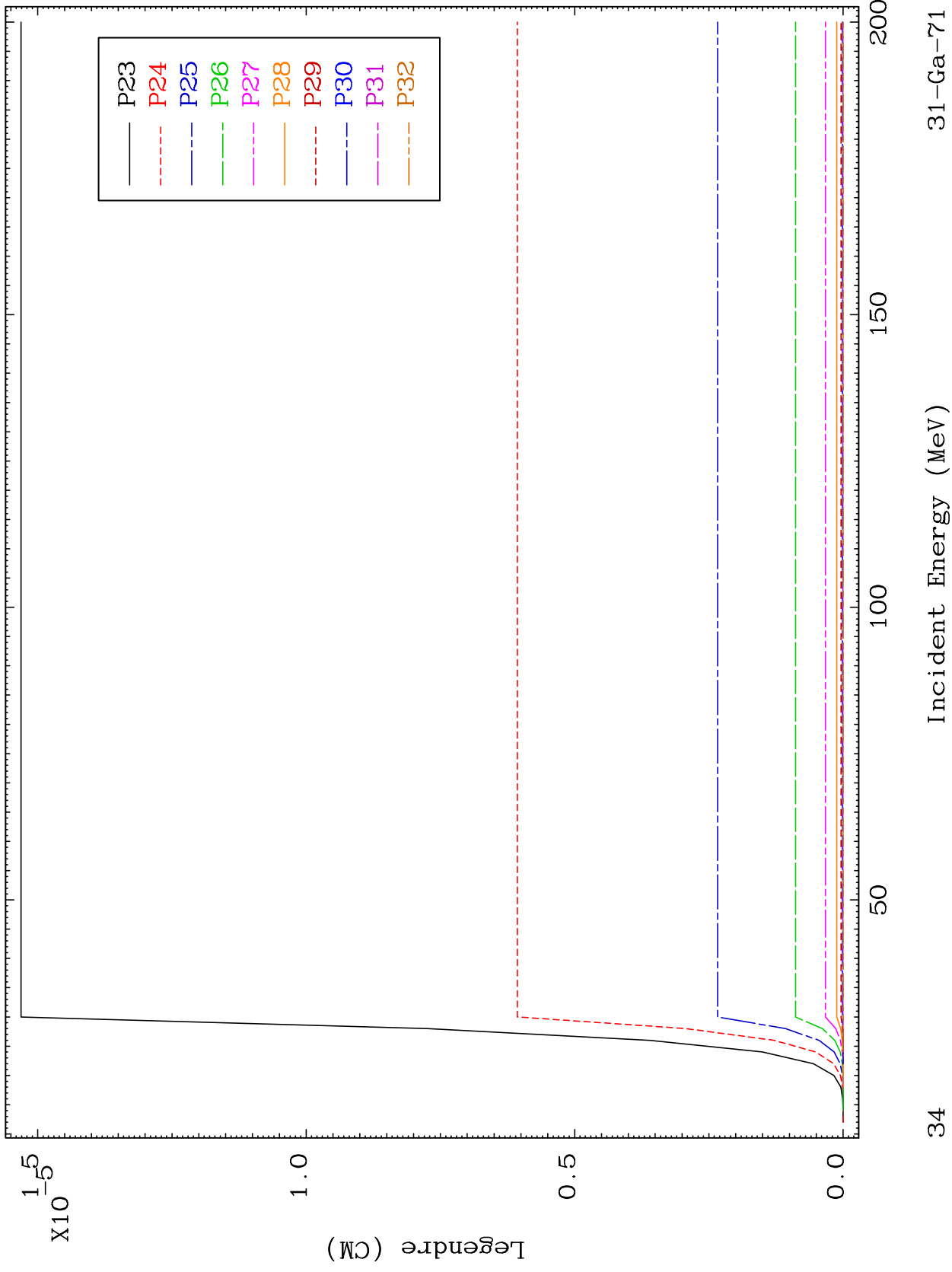
Incident Energy (MeV)

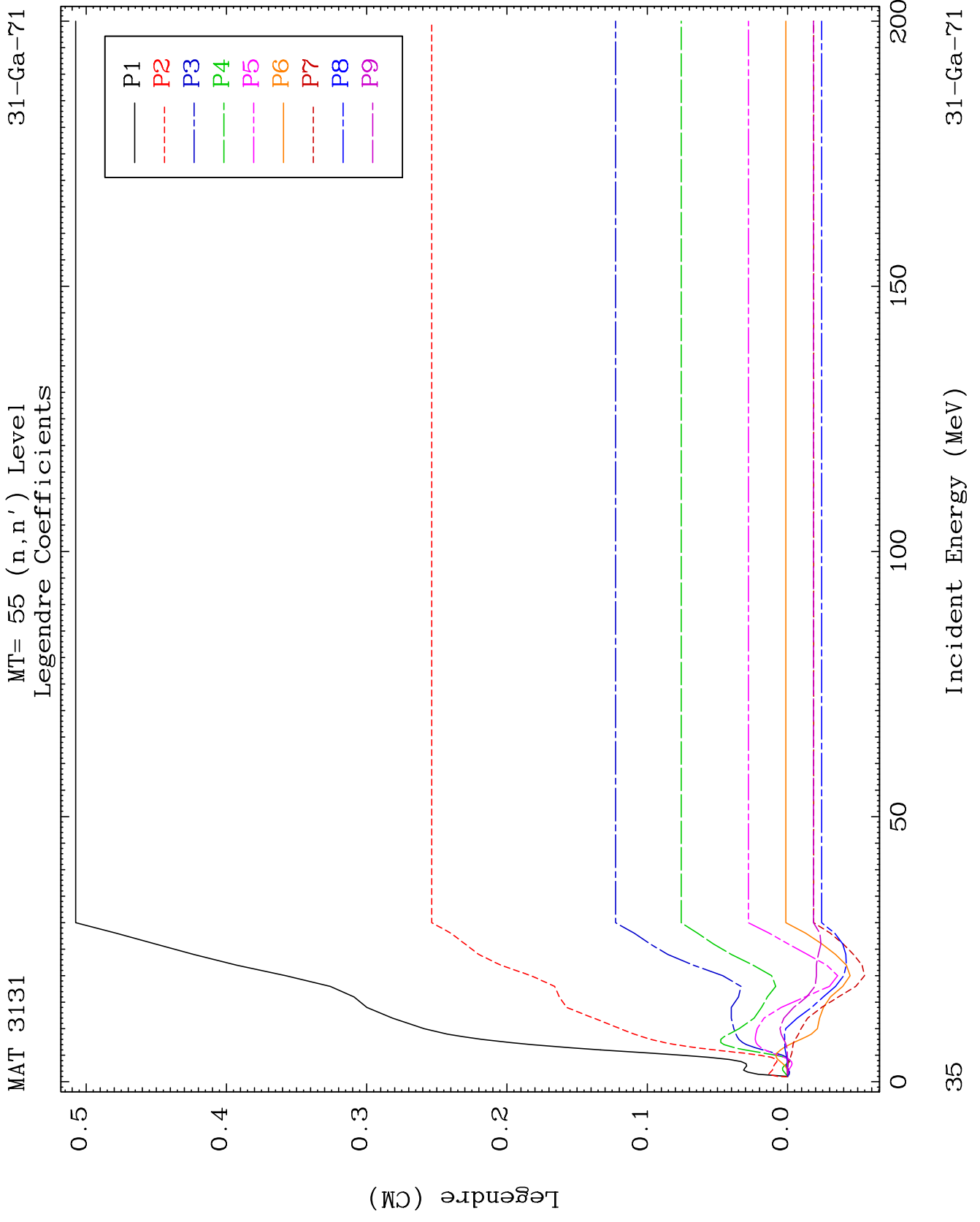
31-Ga-71

MAT 3131

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

31-Ga-71

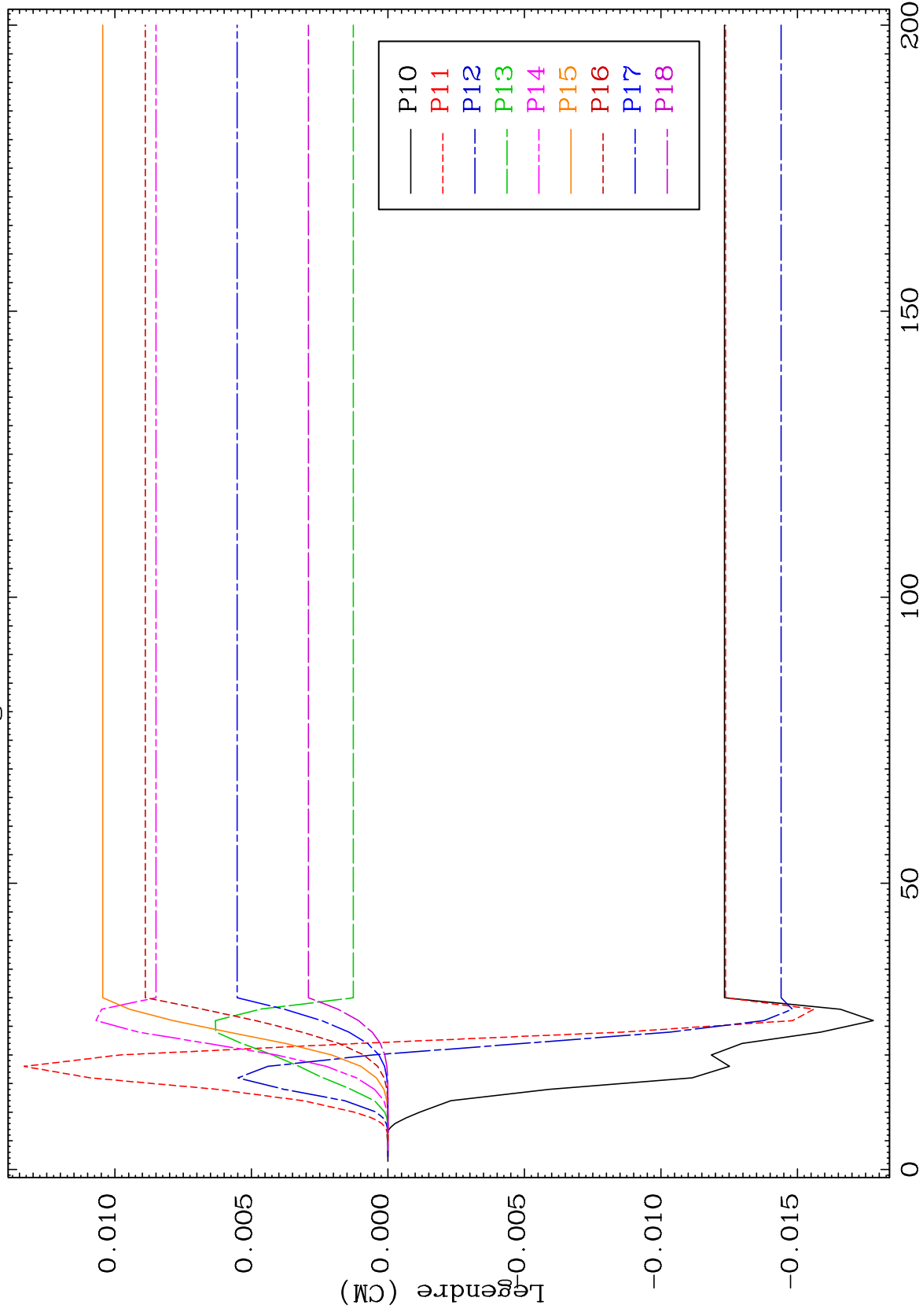




MAT 3131

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

31-Ga-71



36

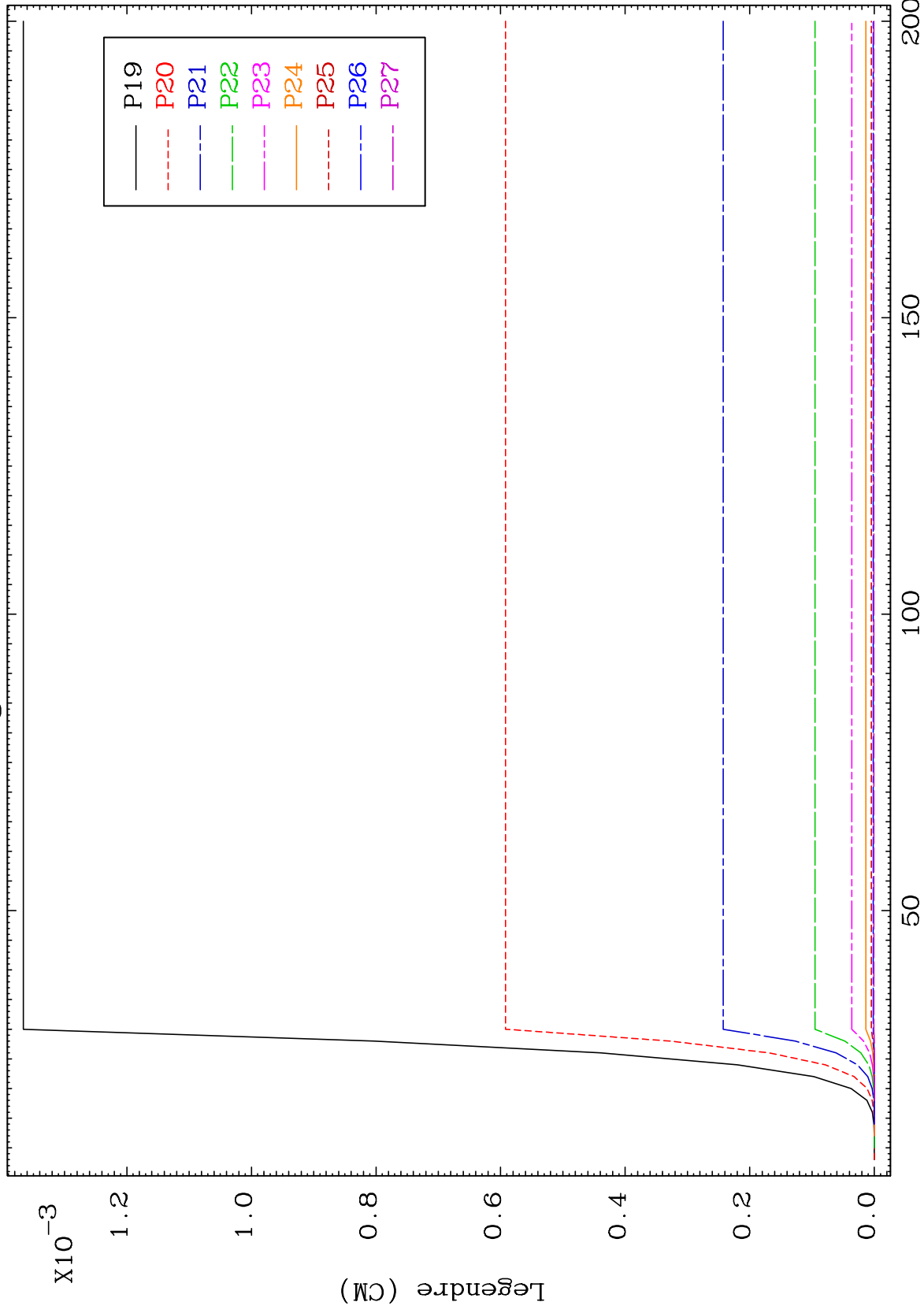
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

31-Ga-71



37

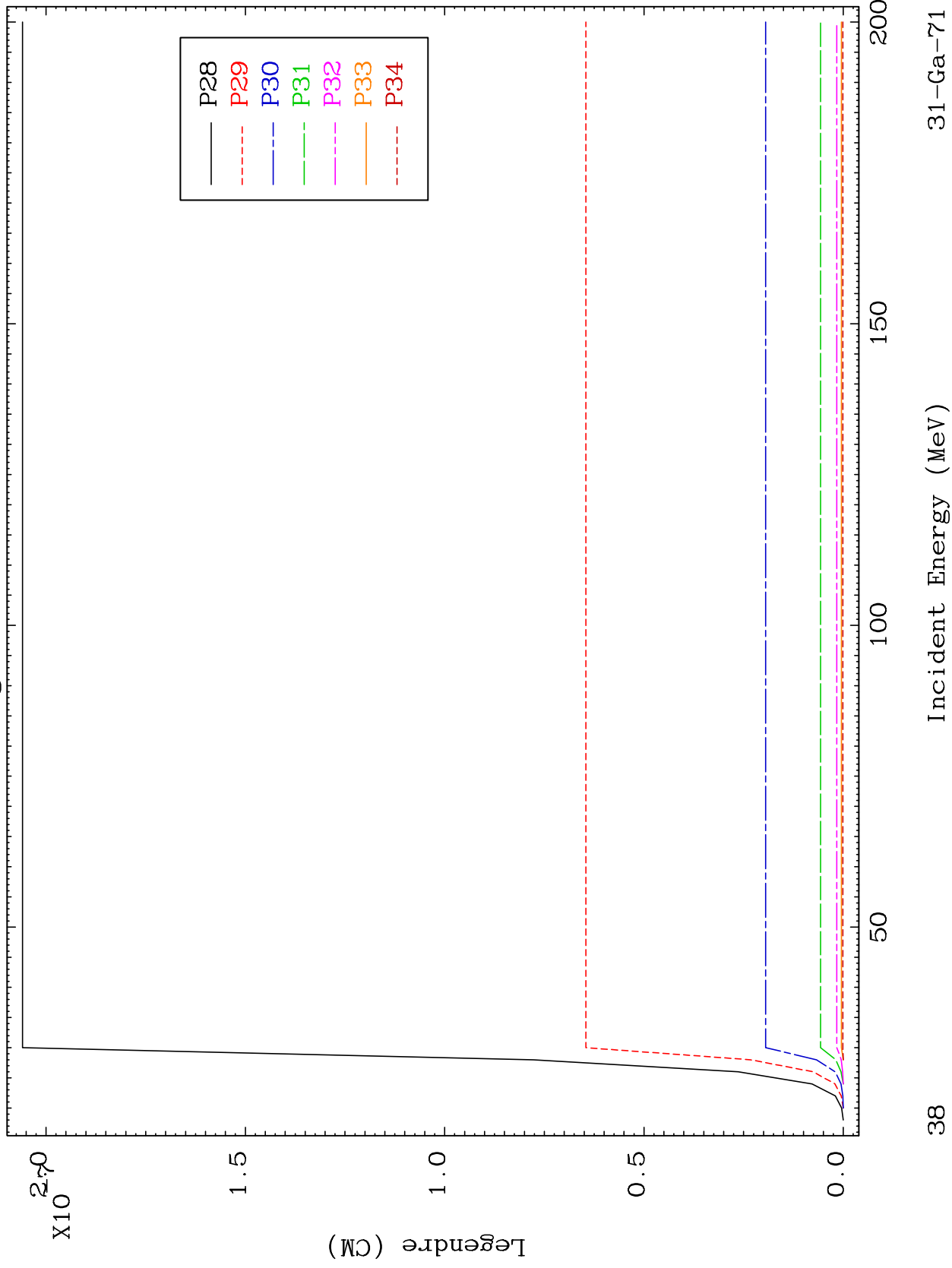
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

31-Ga-71



38

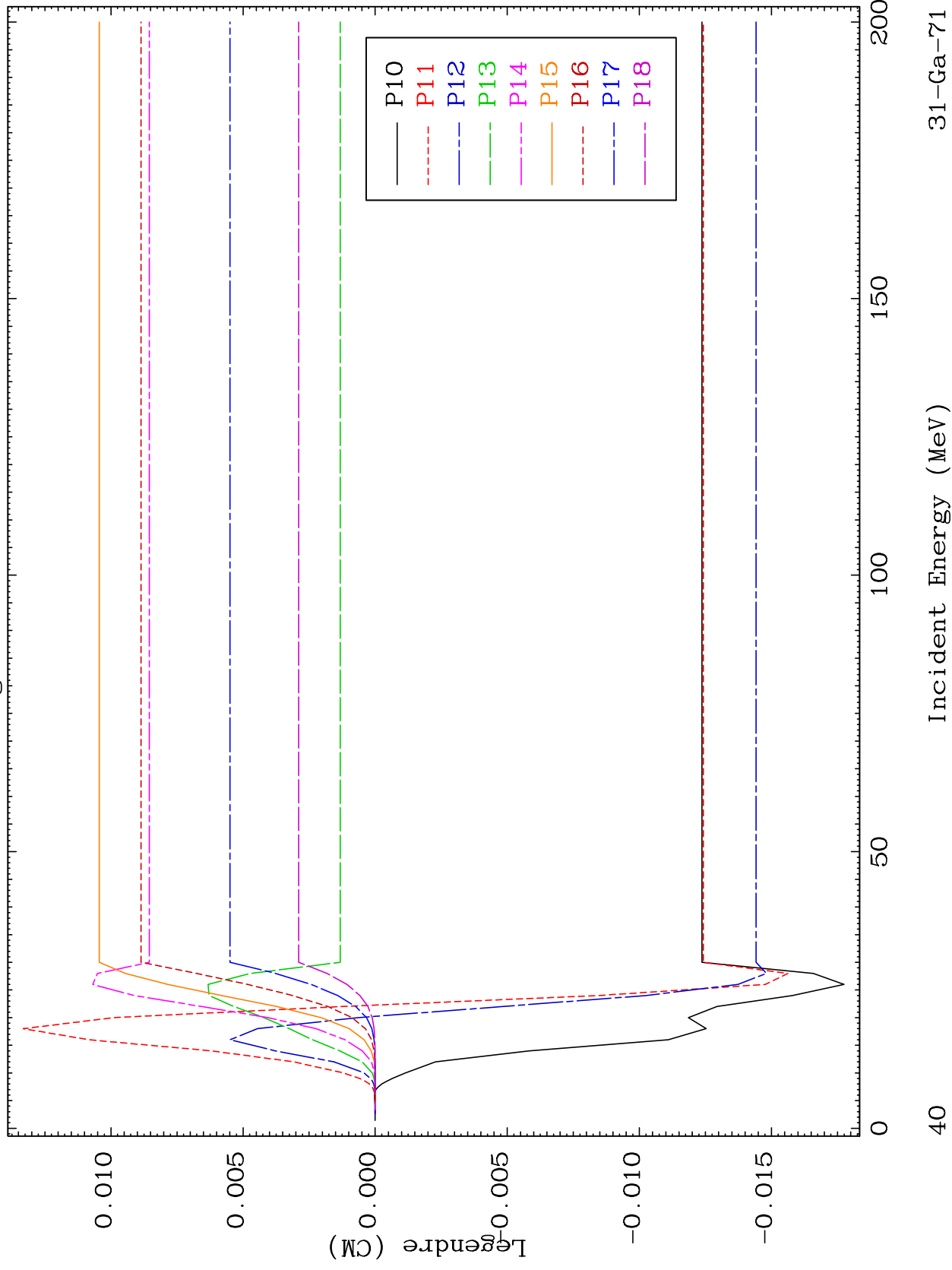
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

31-Ga-71



31-Ga-71

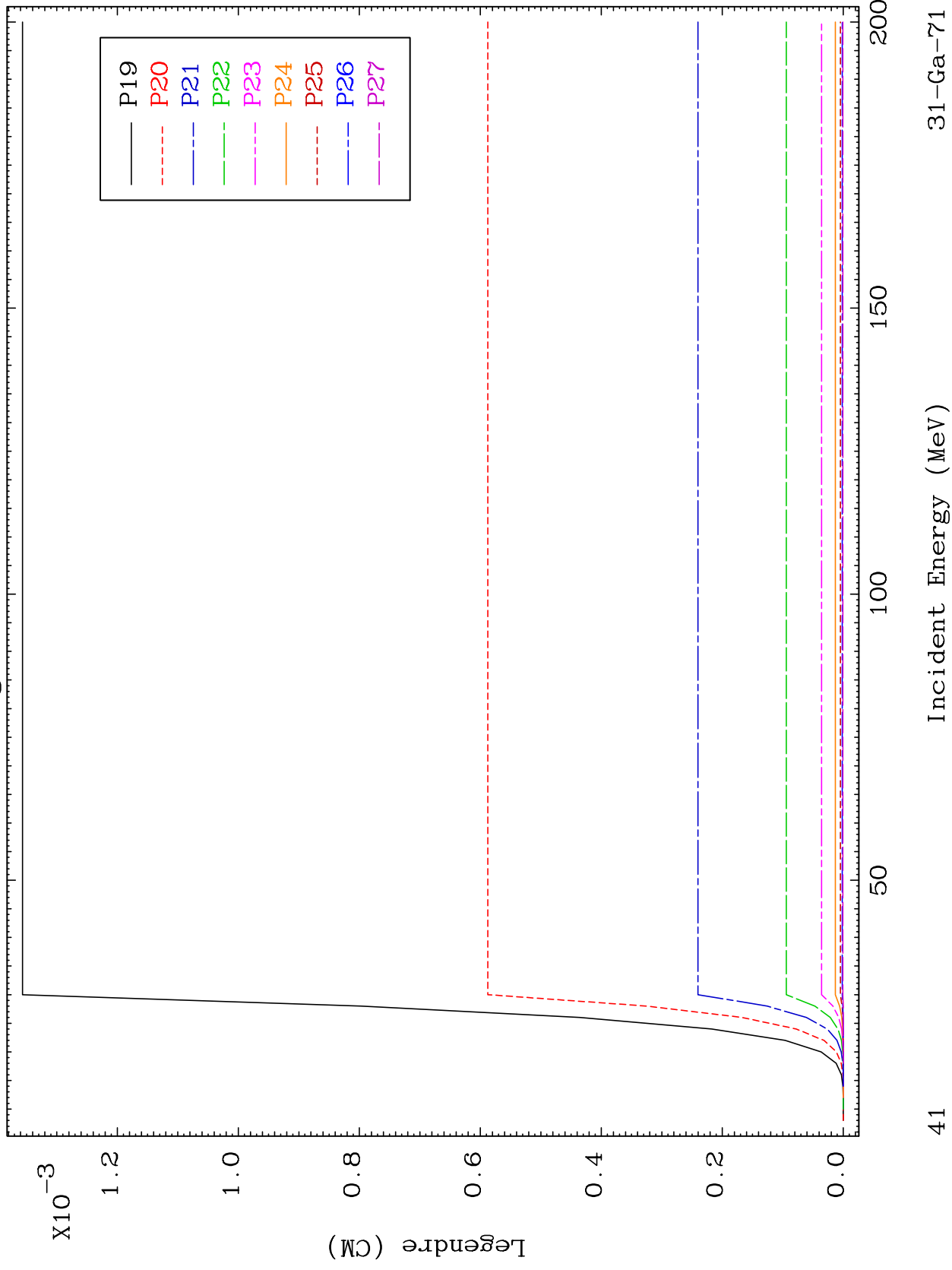
Incident Energy (MeV)

40

MAT 3131

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

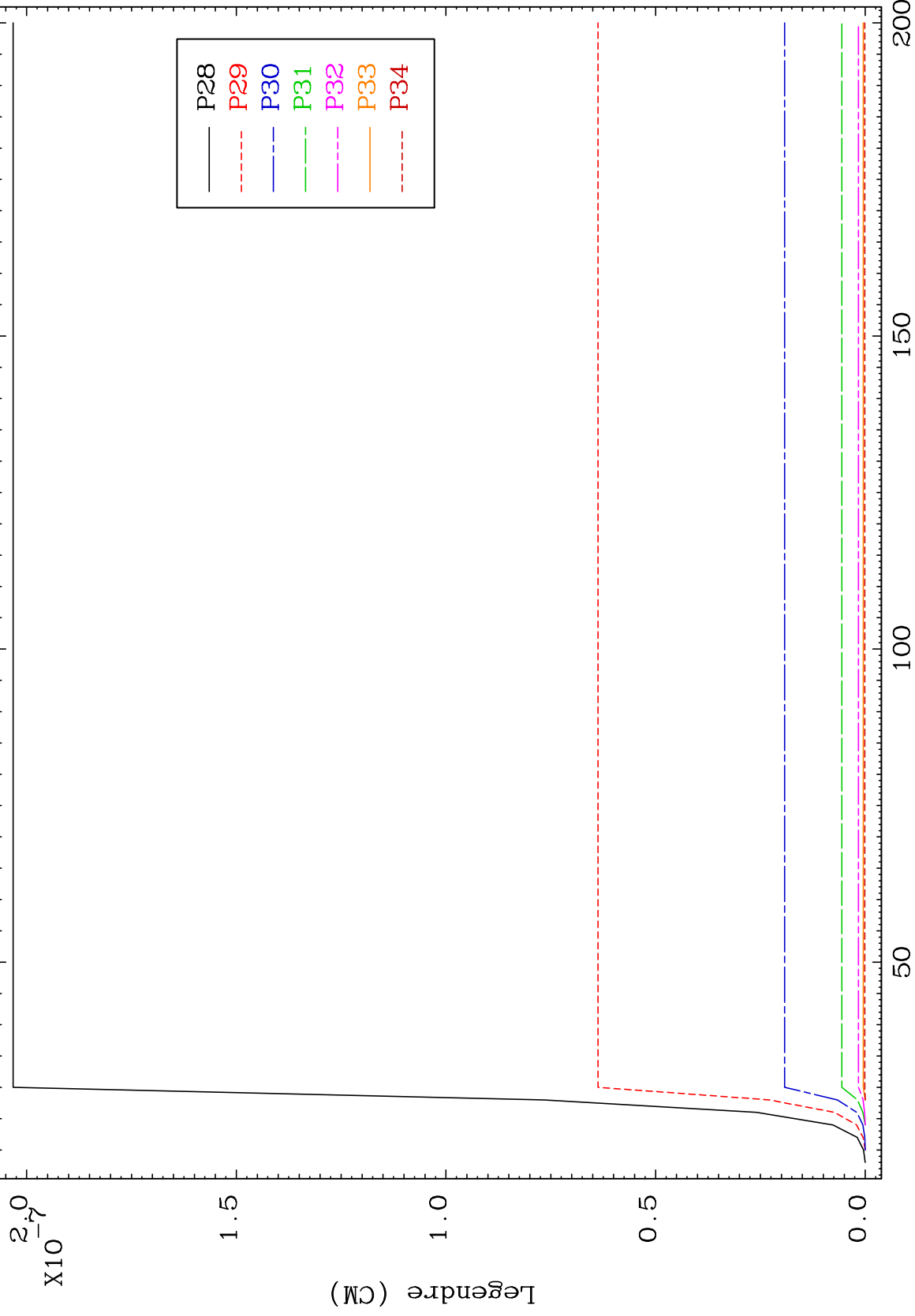
31-Ga-71



MAT 3131

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

31-Ga-71



42

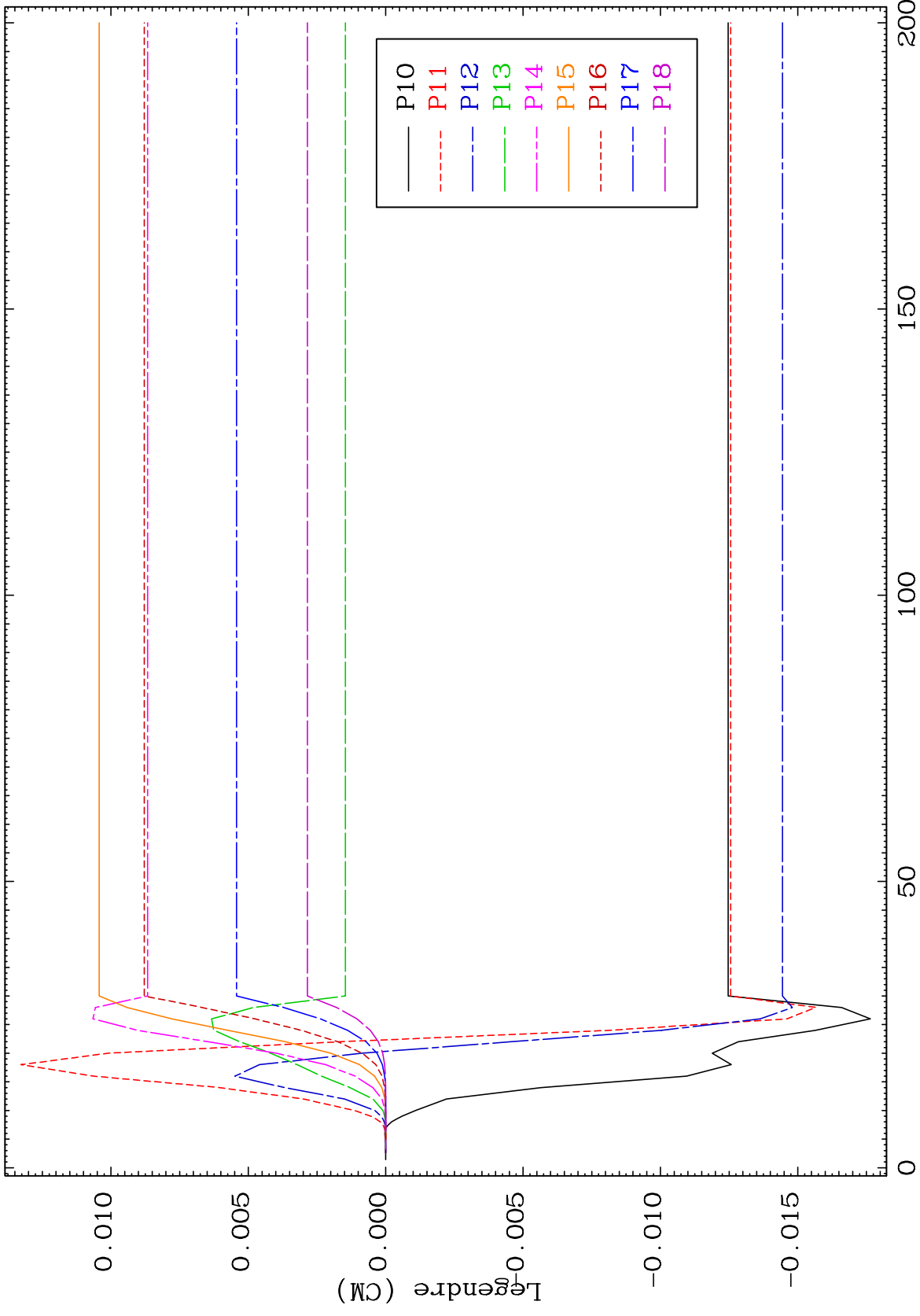
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

31-Ga-71



44

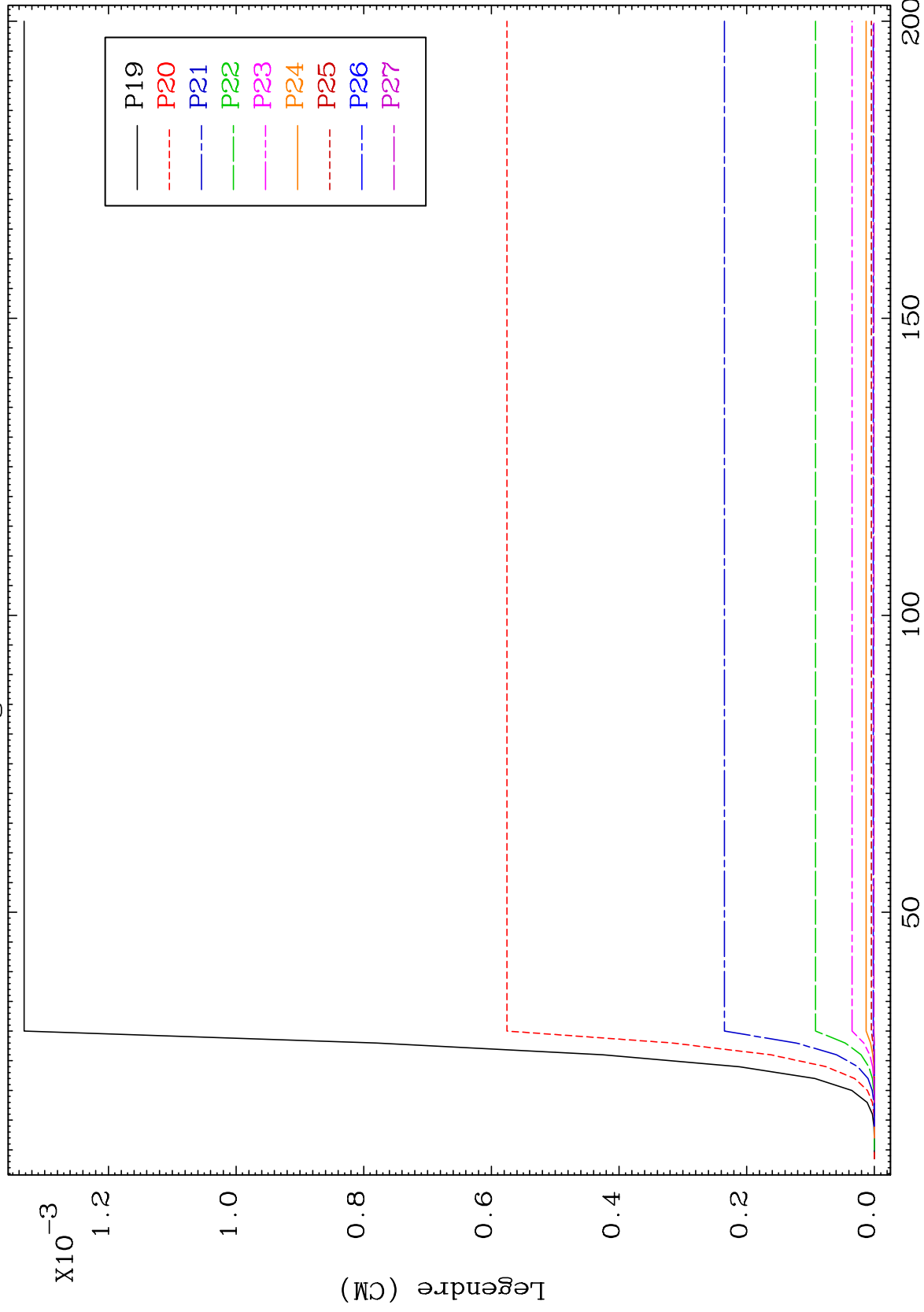
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

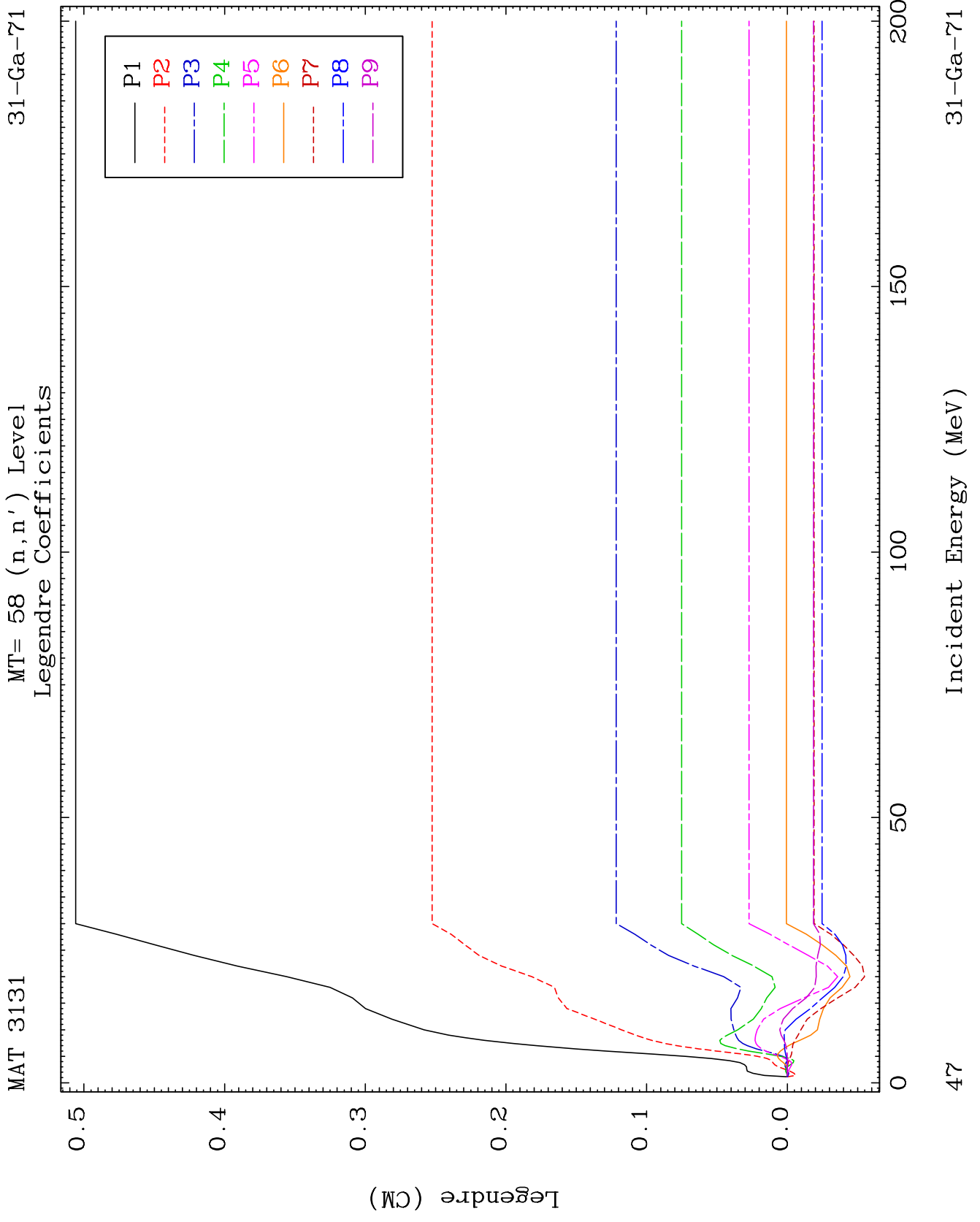
31-Ga-71



45

Incident Energy (MeV)

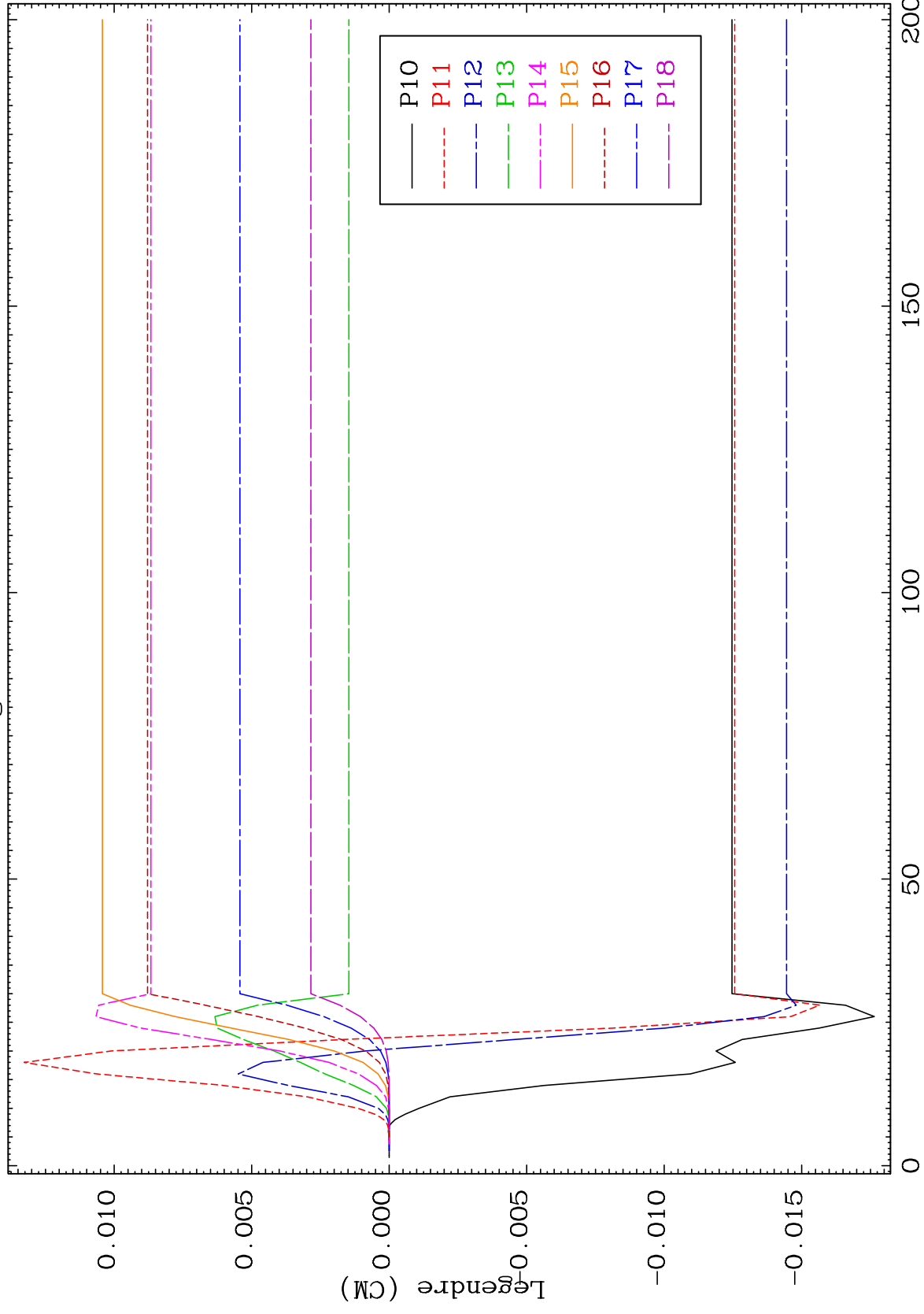
31-Ga-71



MAT 3131

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

31-Ga-71



48

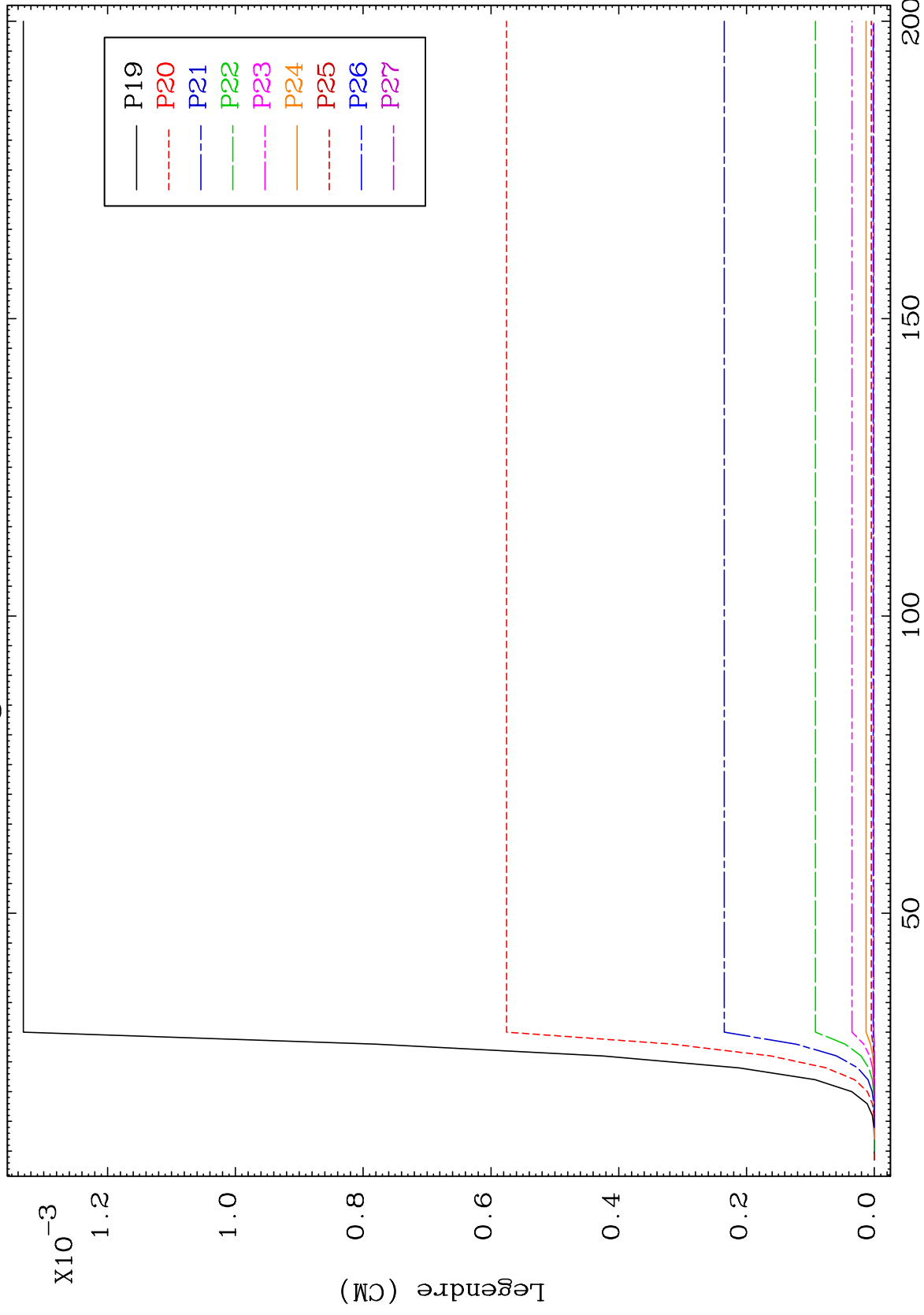
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

31-Ga-71



49

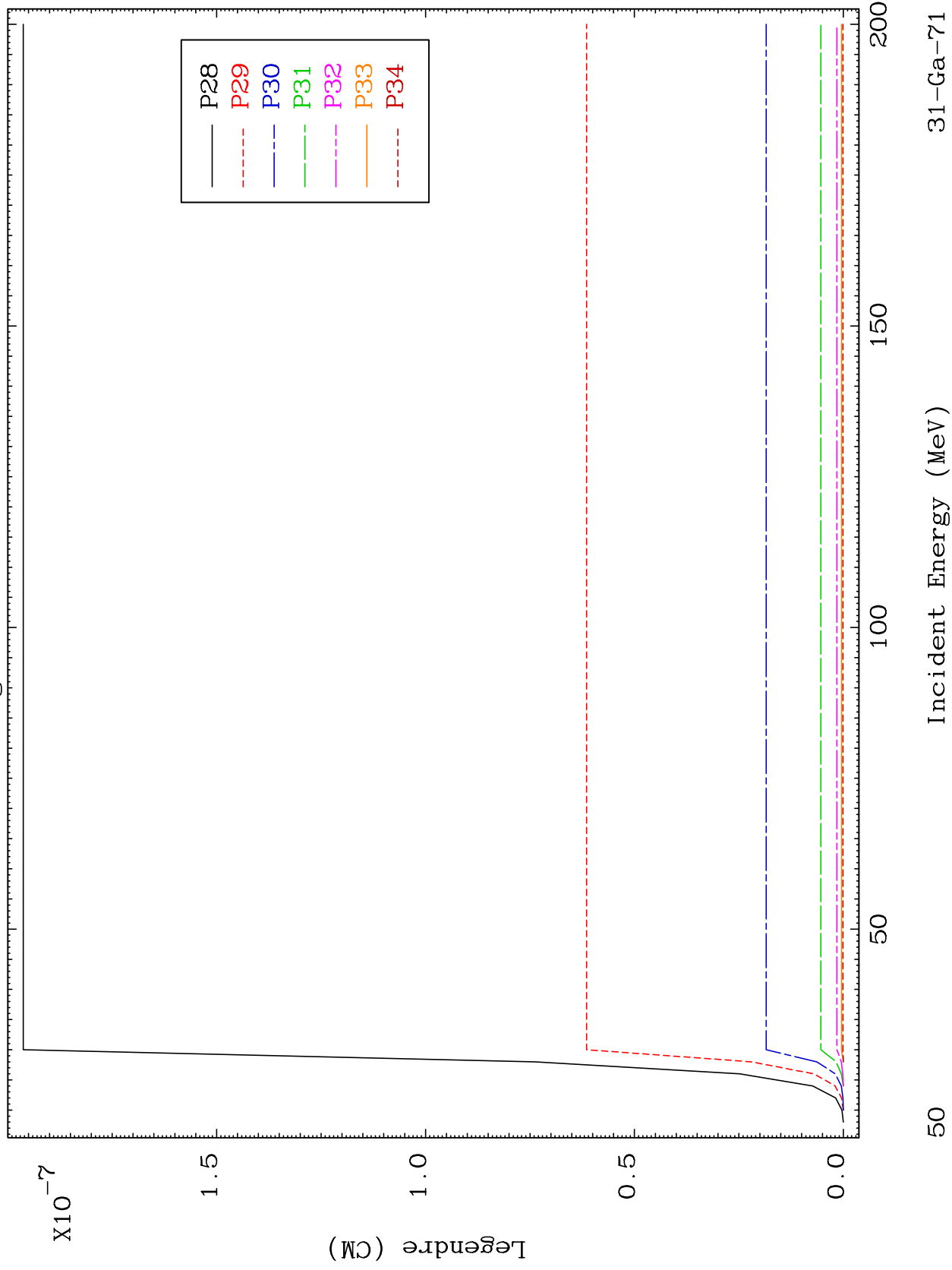
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

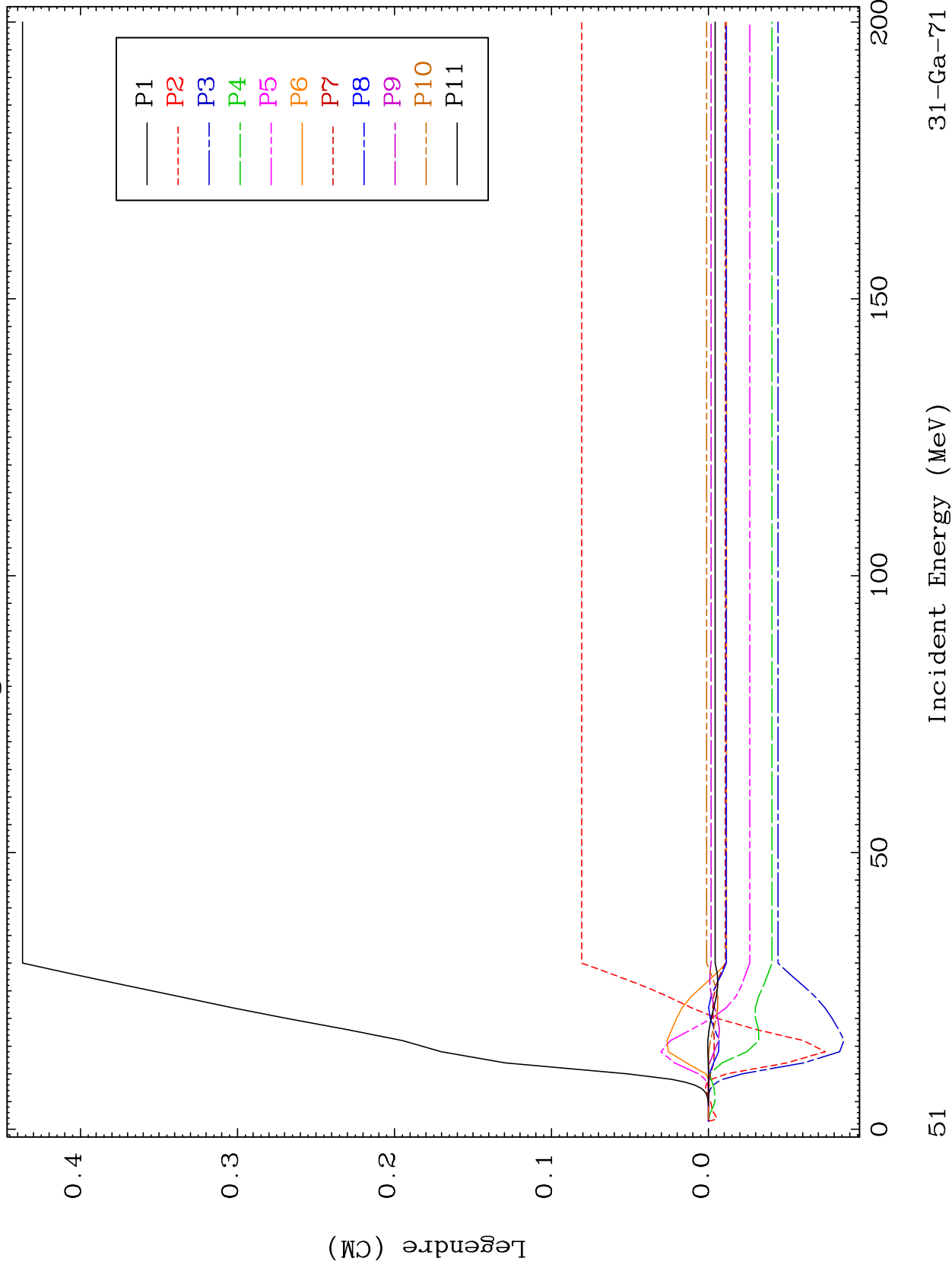
31-Ga-71



MAT 3131

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

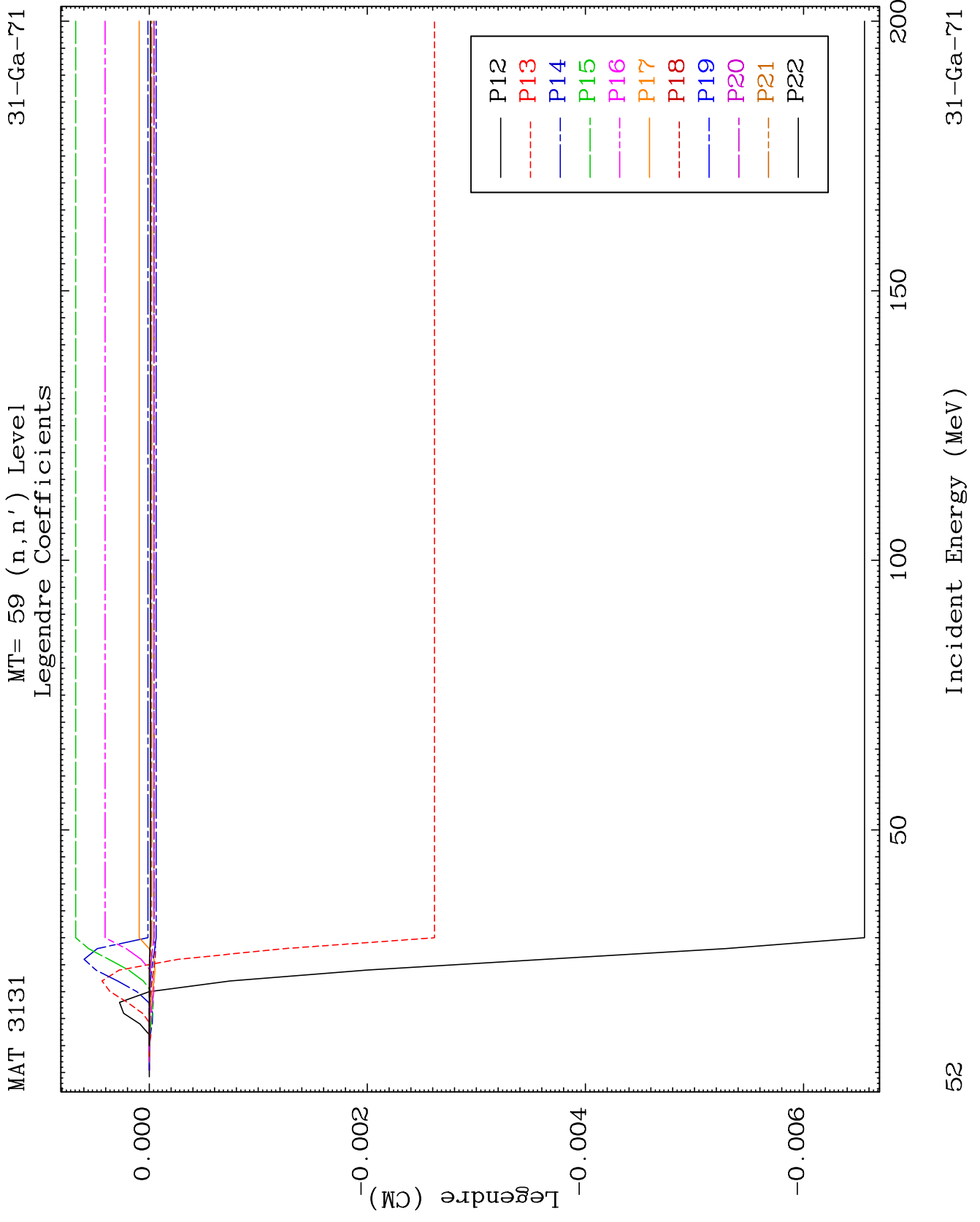
31-Ga-71

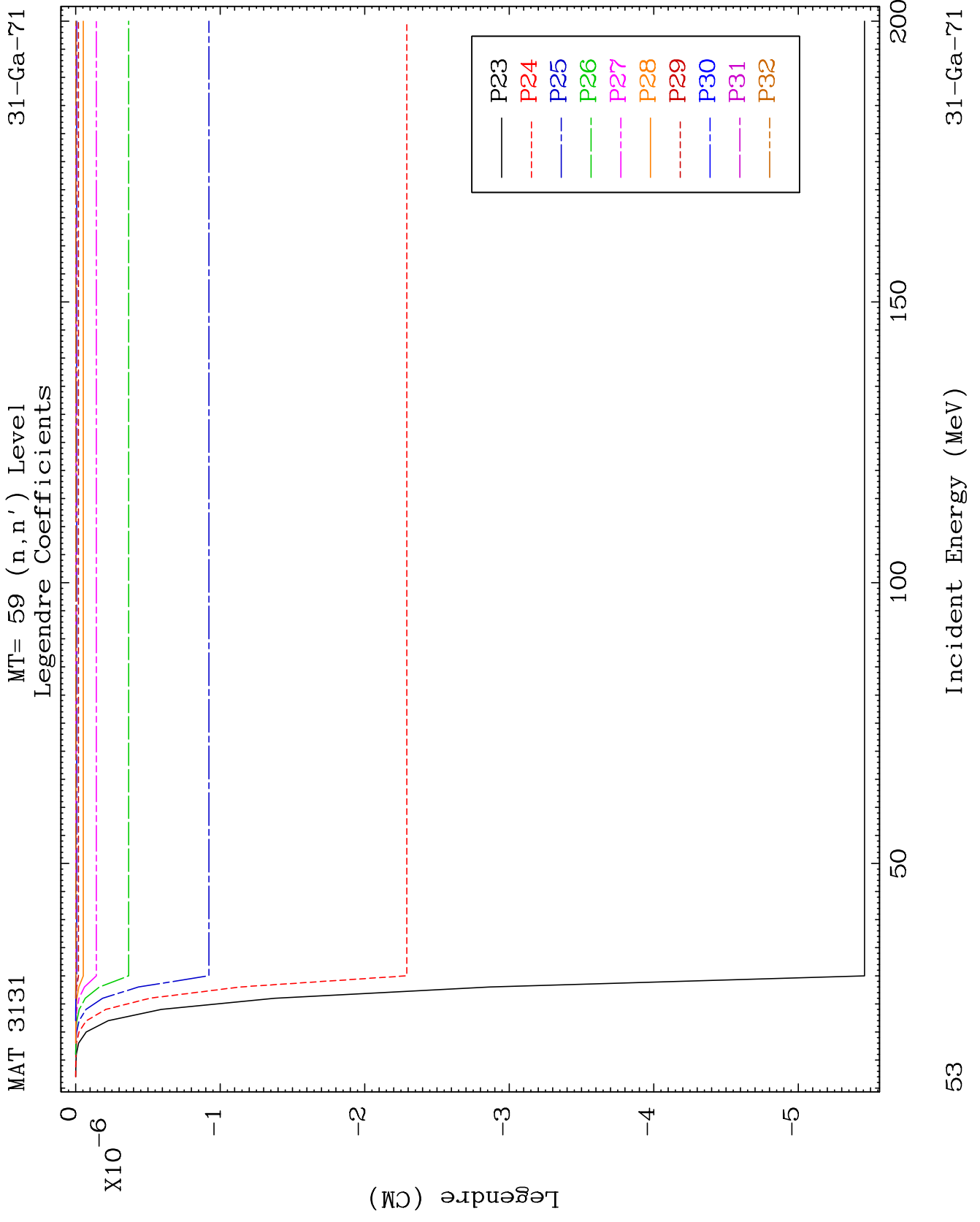


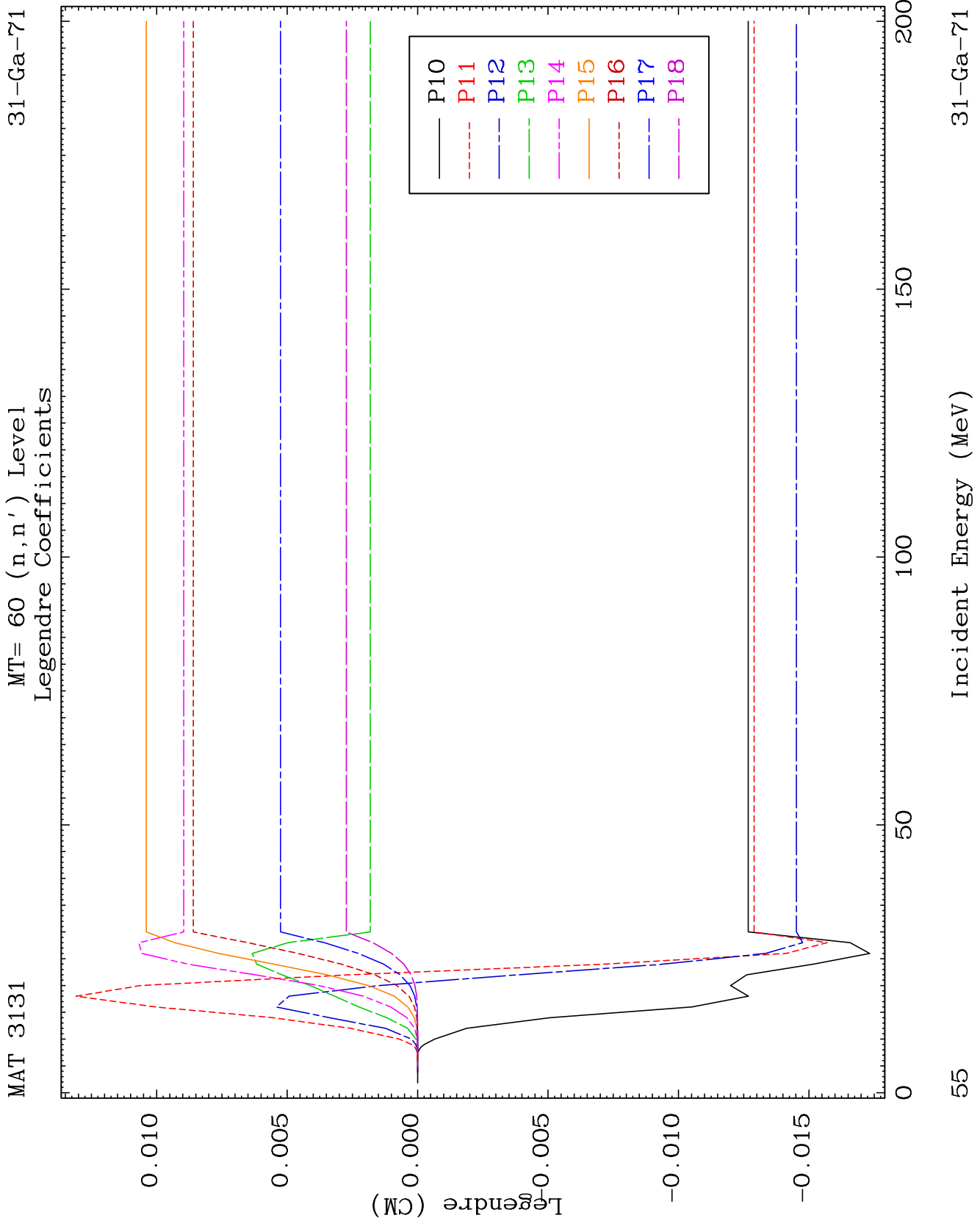
31-Ga-71

Incident Energy (MeV)

51



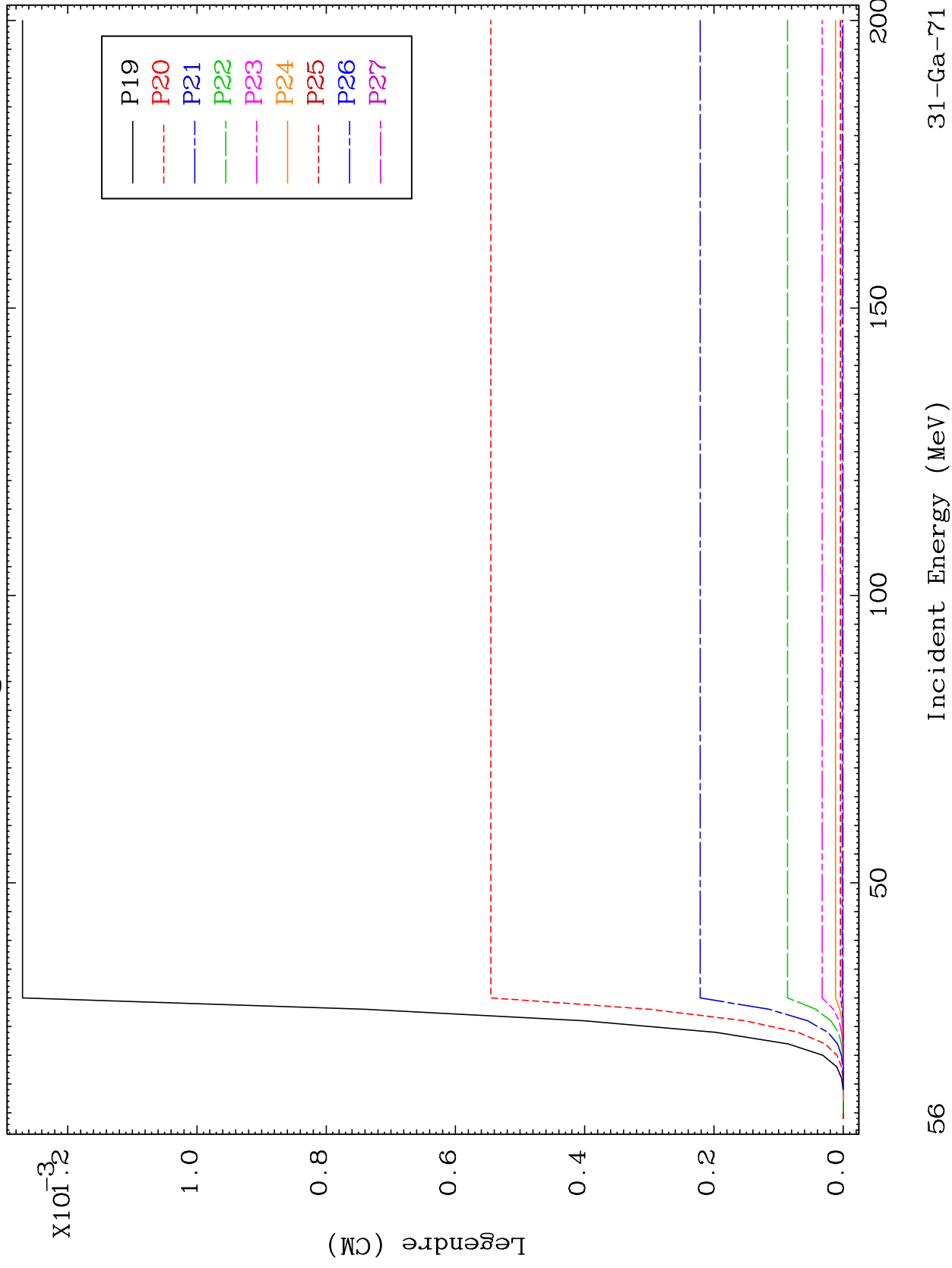




MAT 3131

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

31-Ga-71



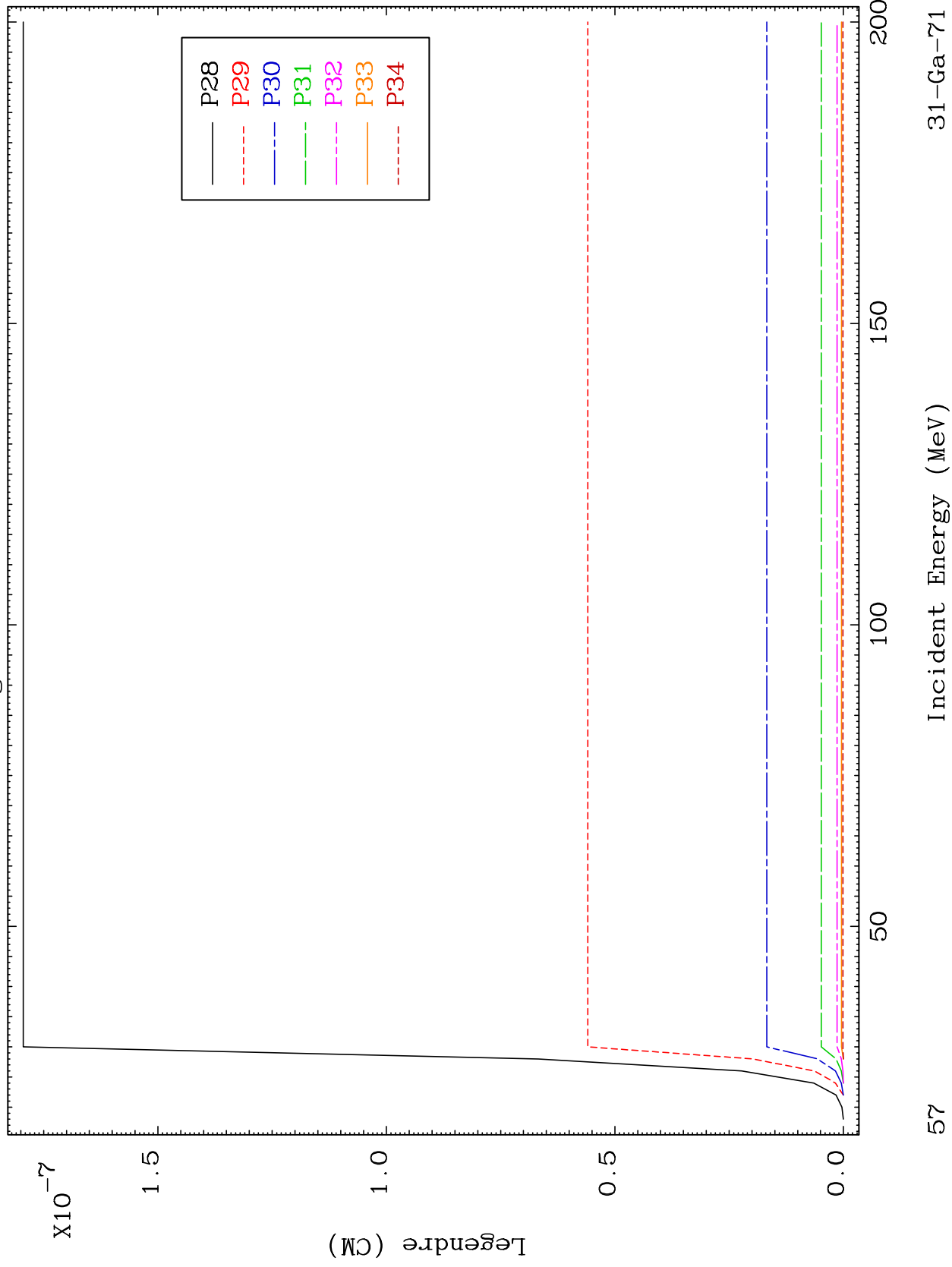
56

31-Ga-71

MAT 3131

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

31-Ga-71



57

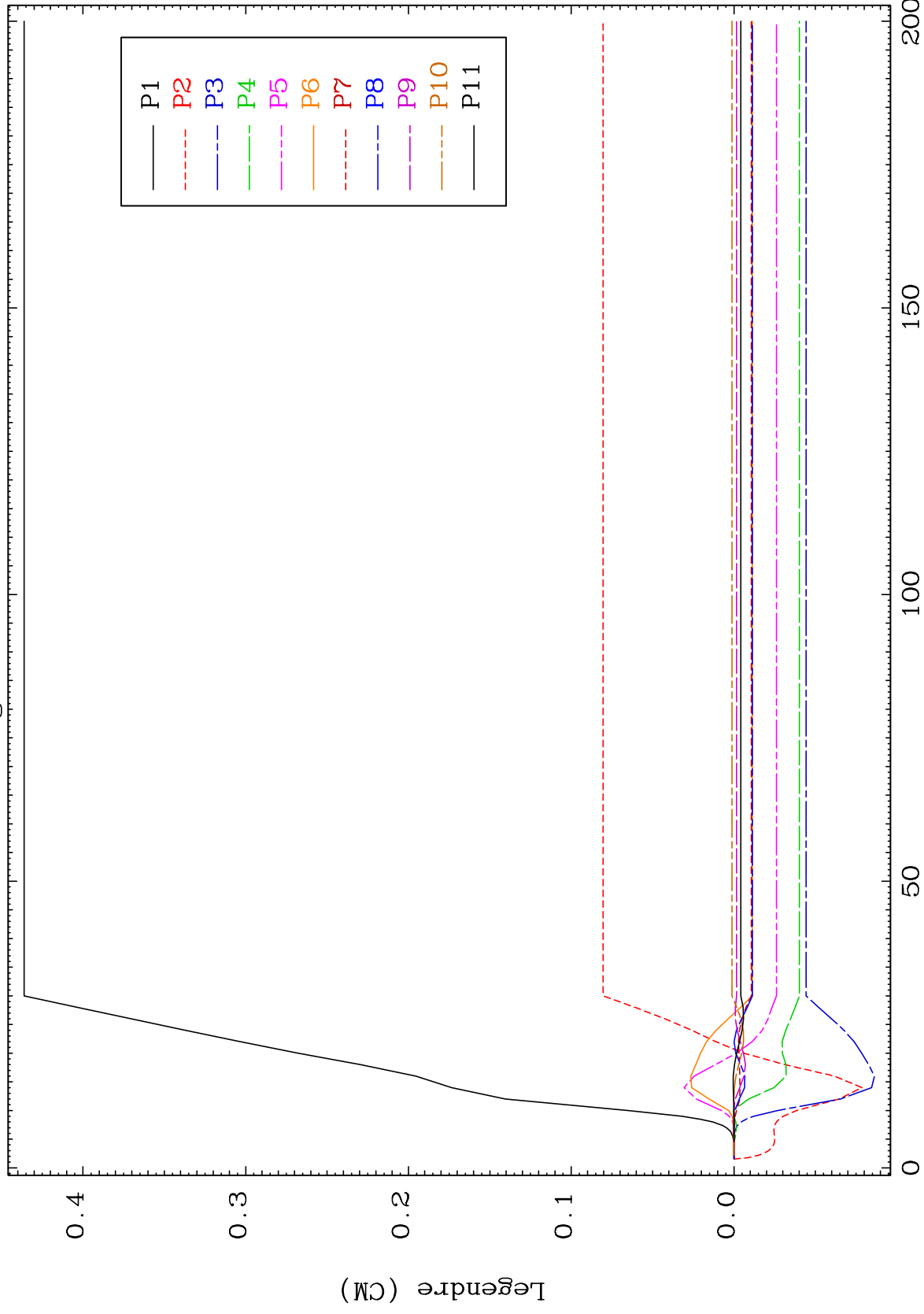
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

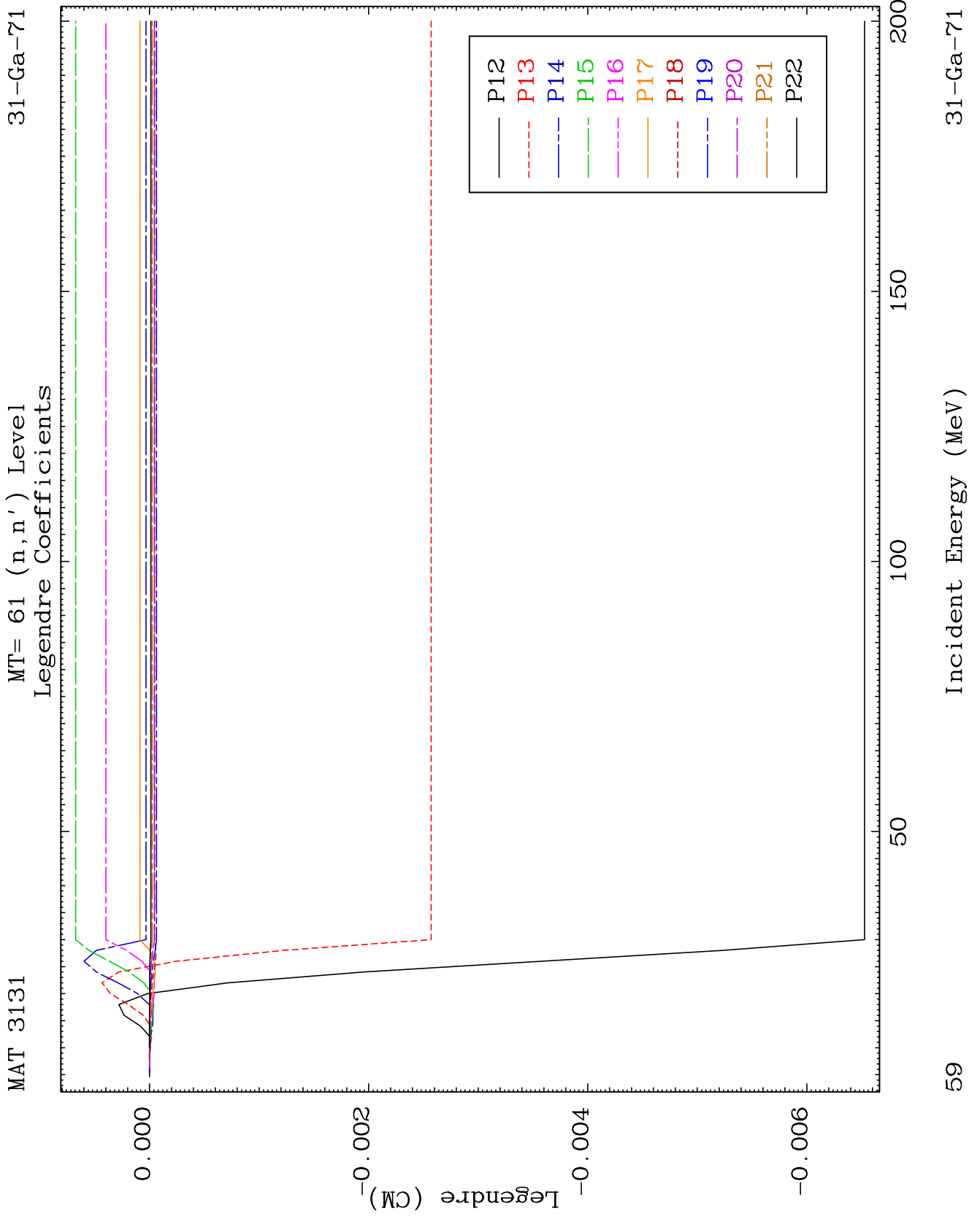
31-Ga-71



58

Incident Energy (MeV)

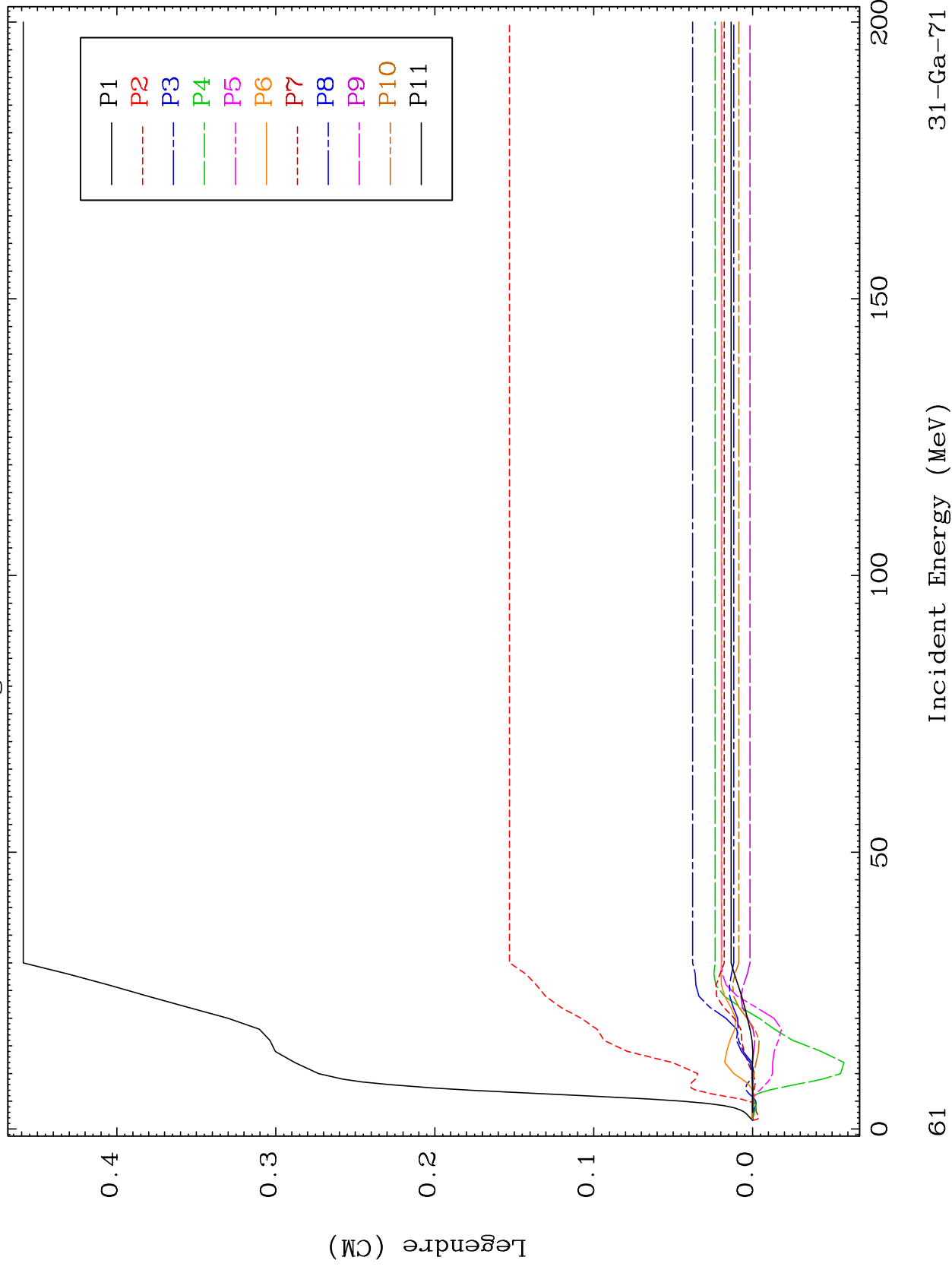
31-Ga-71



MAT 3131

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

31-Ga-71



31-Ga-71

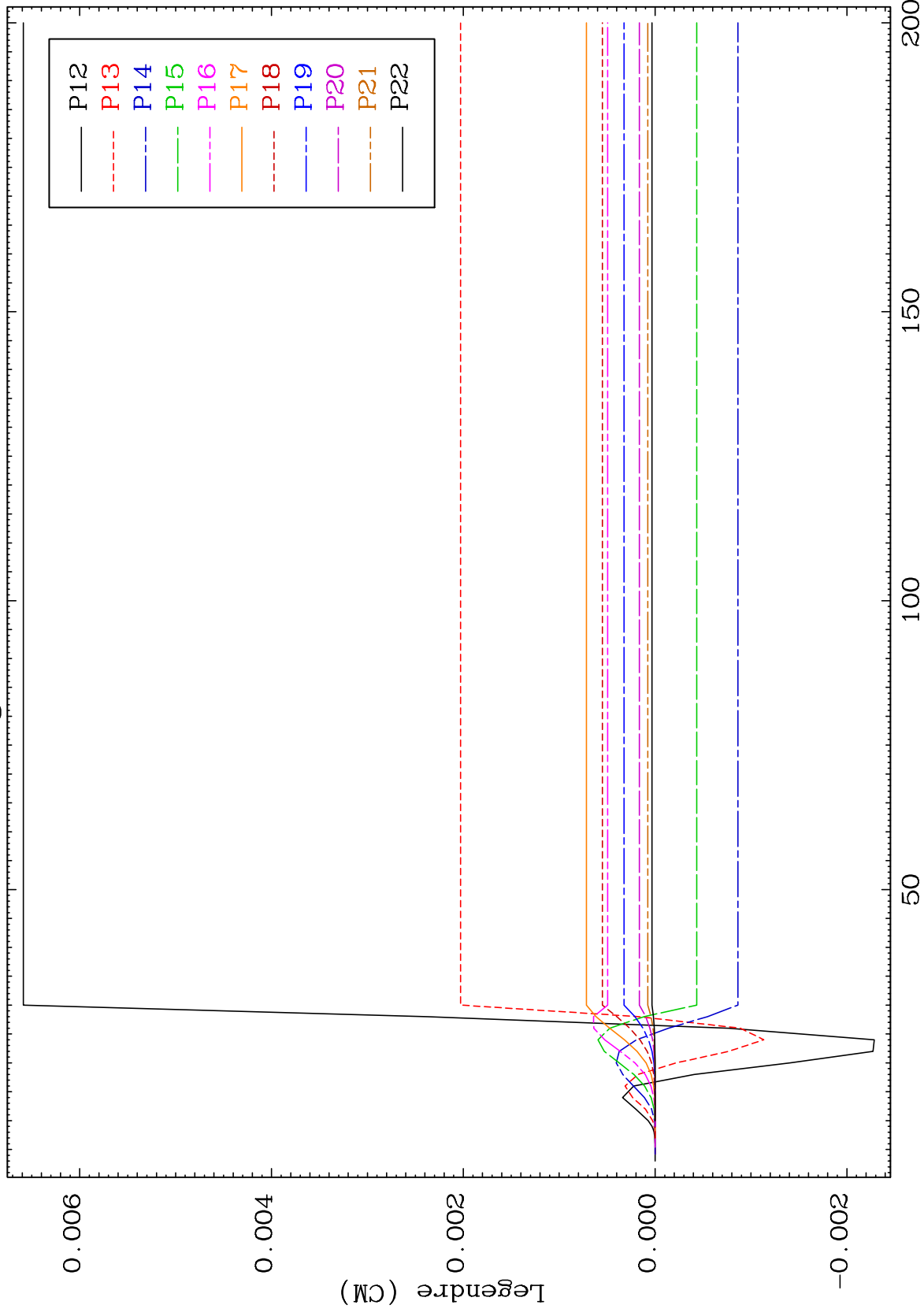
Incident Energy (MeV)

61

MAT 3131

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

31-Ga-71



62

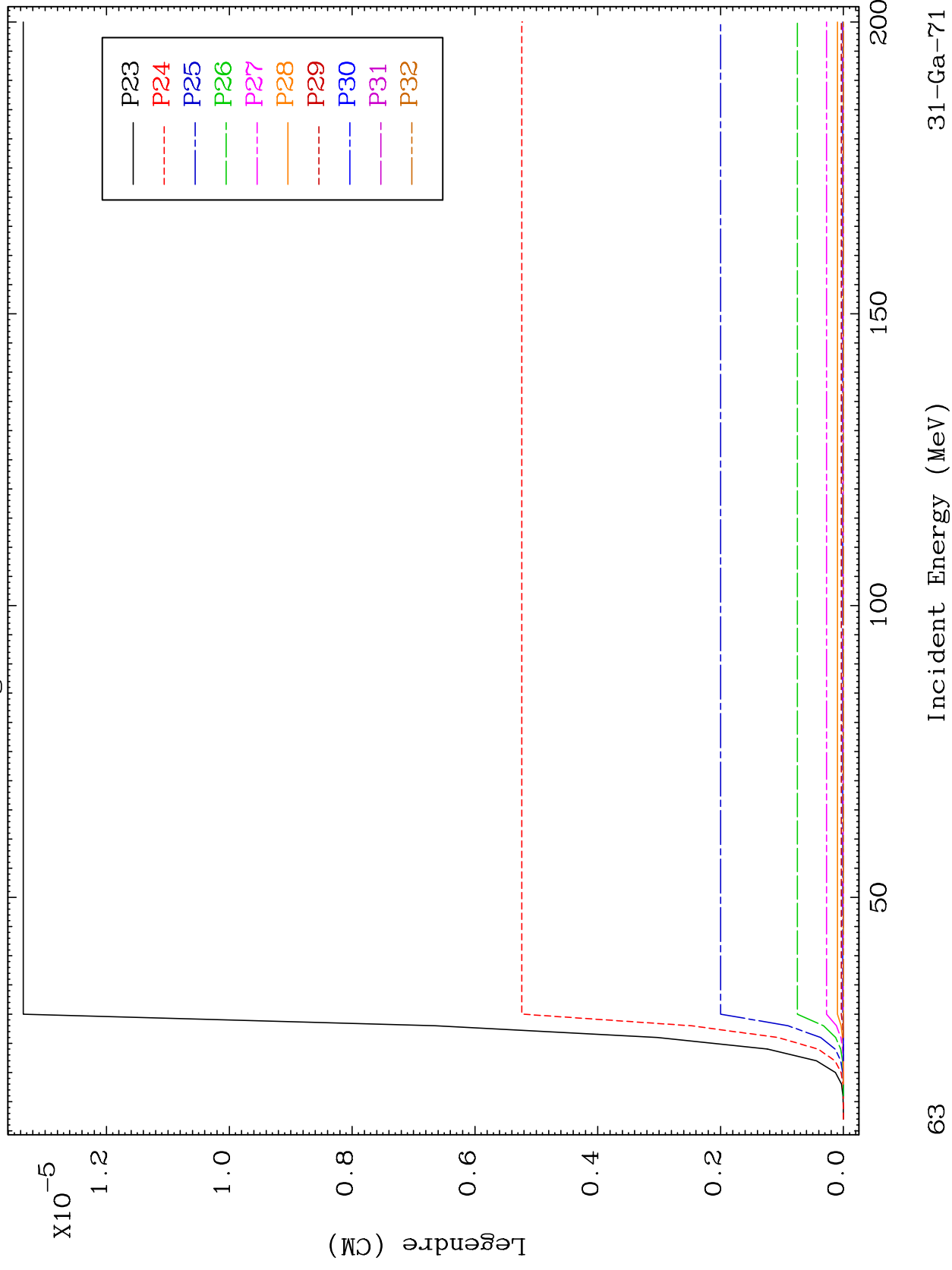
Incident Energy (MeV)

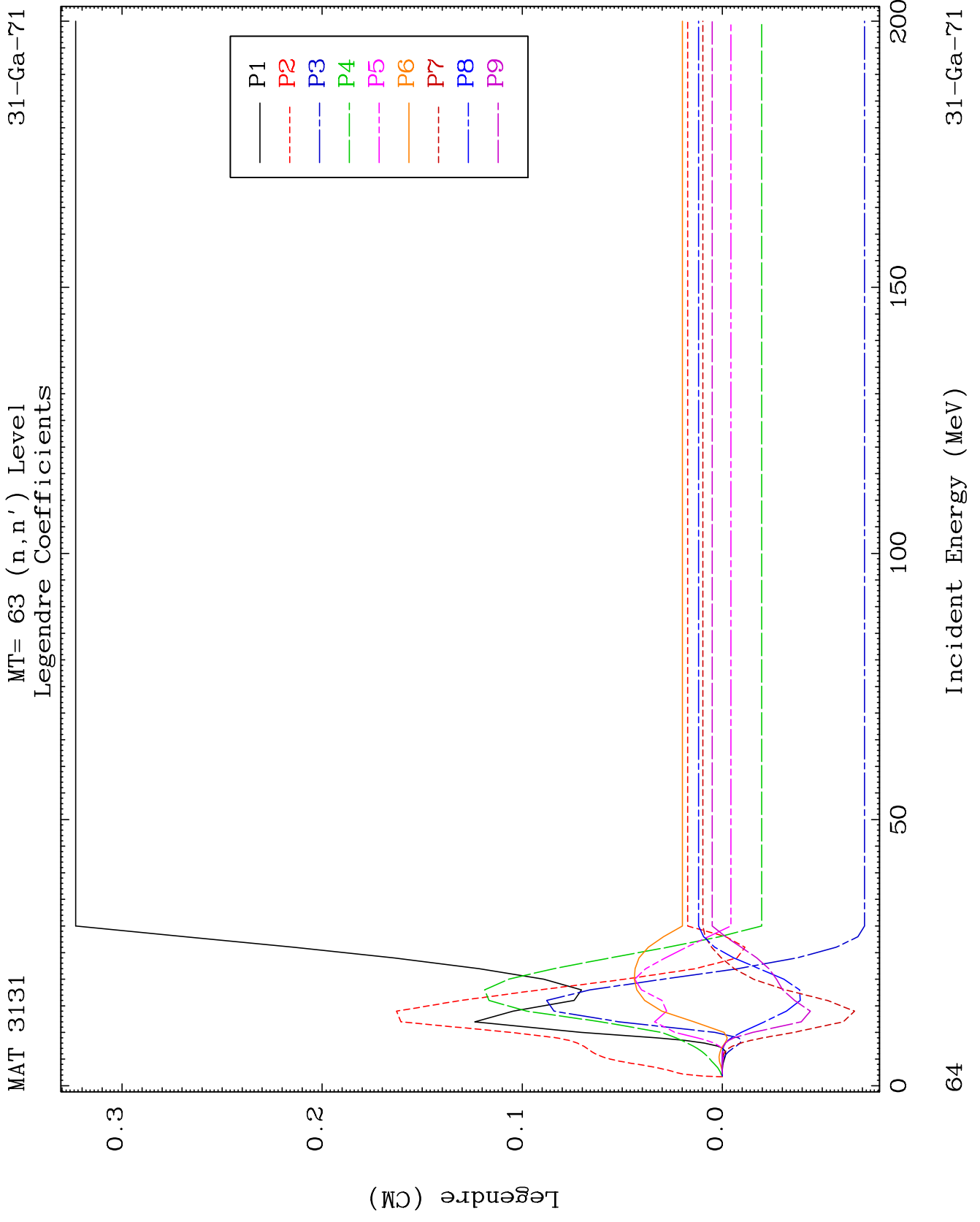
31-Ga-71

MAT 3131

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

31-Ga-71

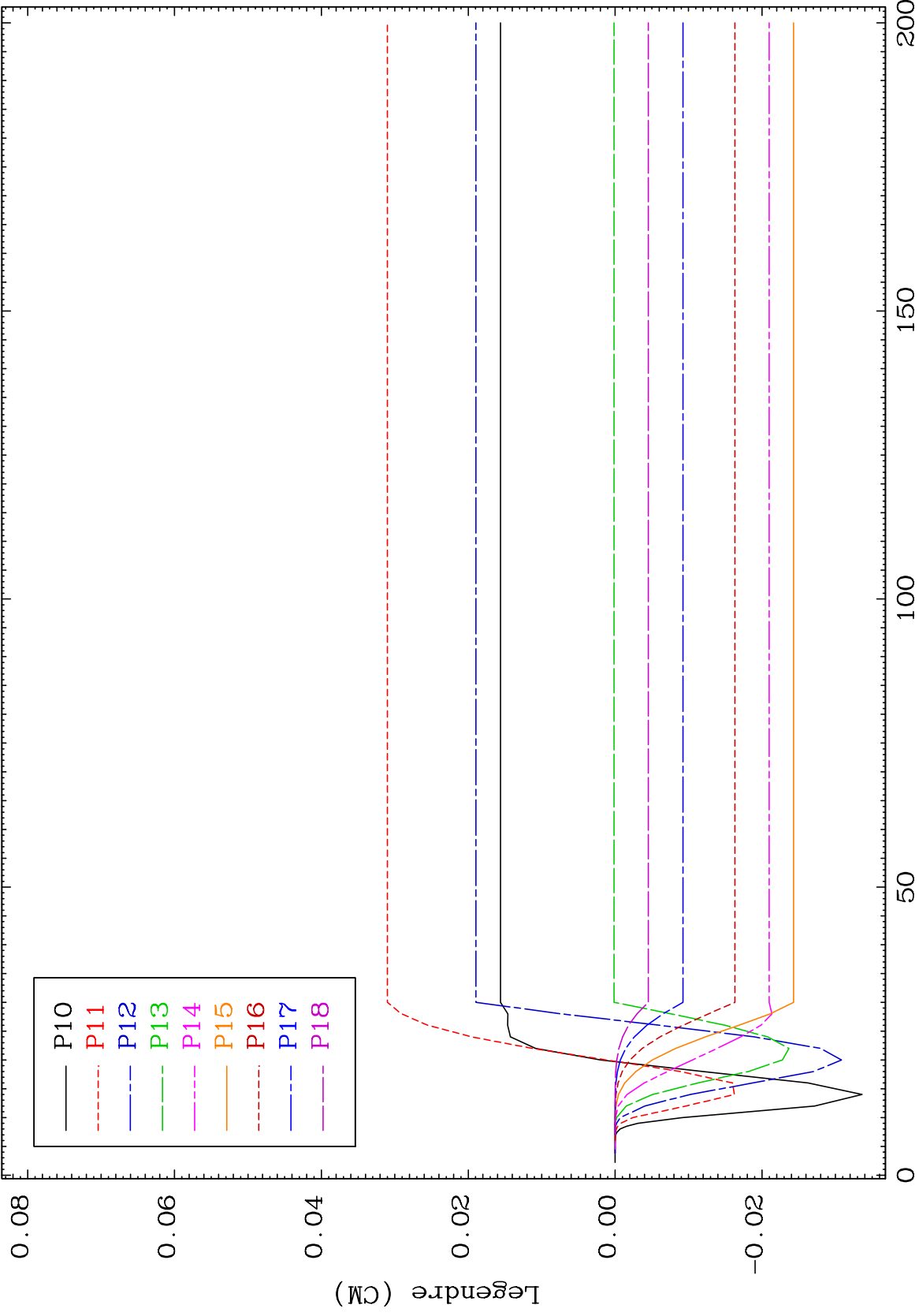




MAT 3131

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

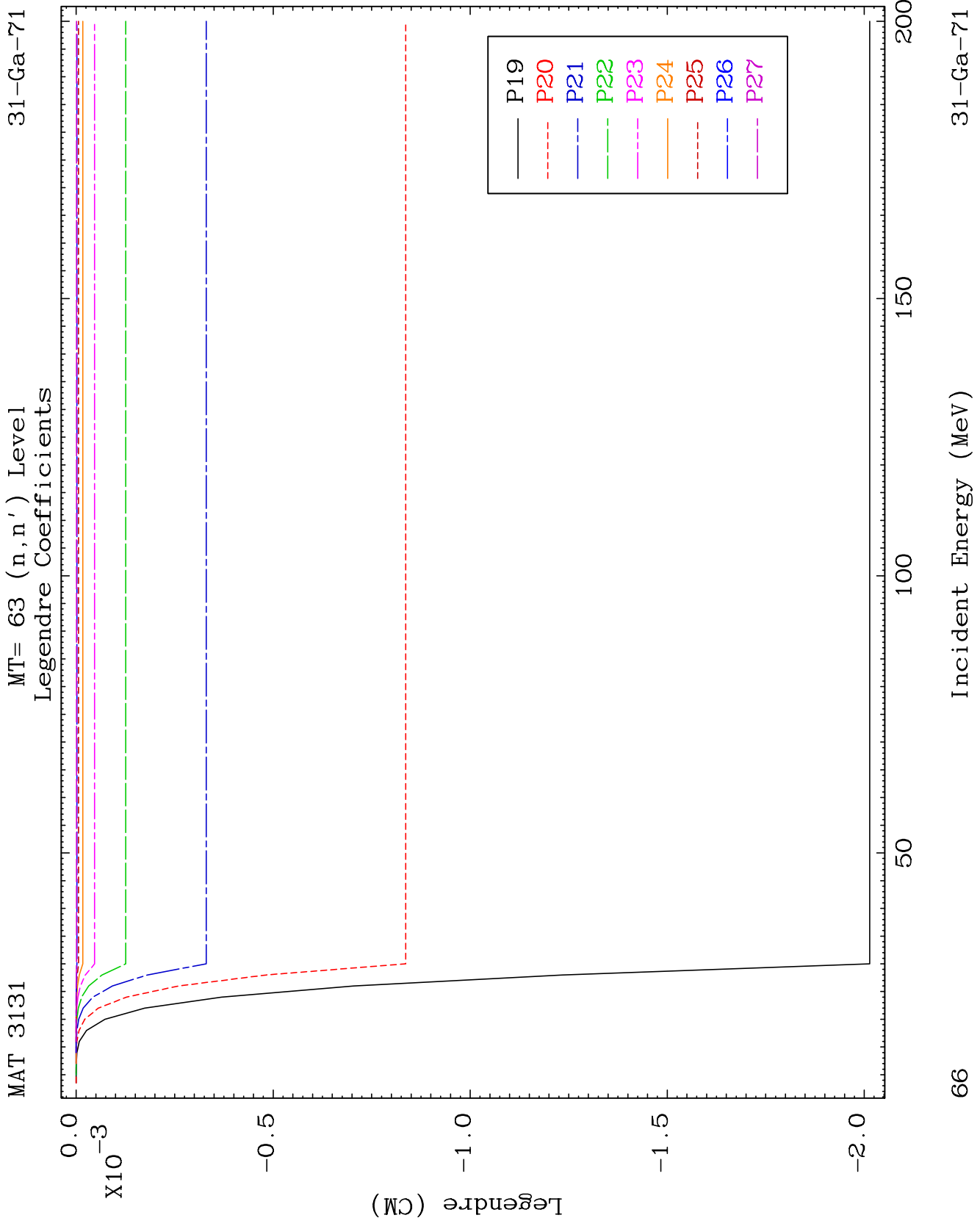
31-Ga-71

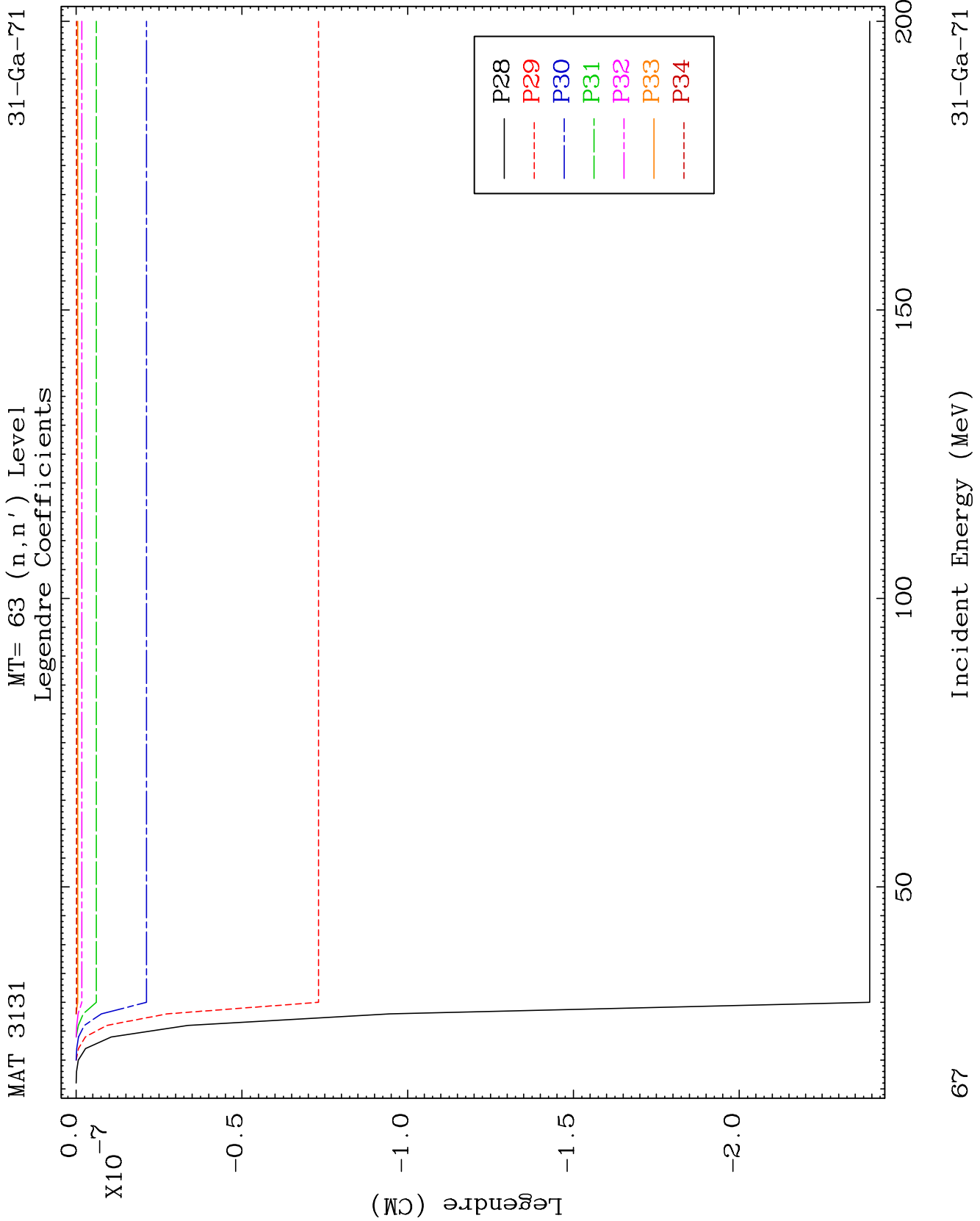


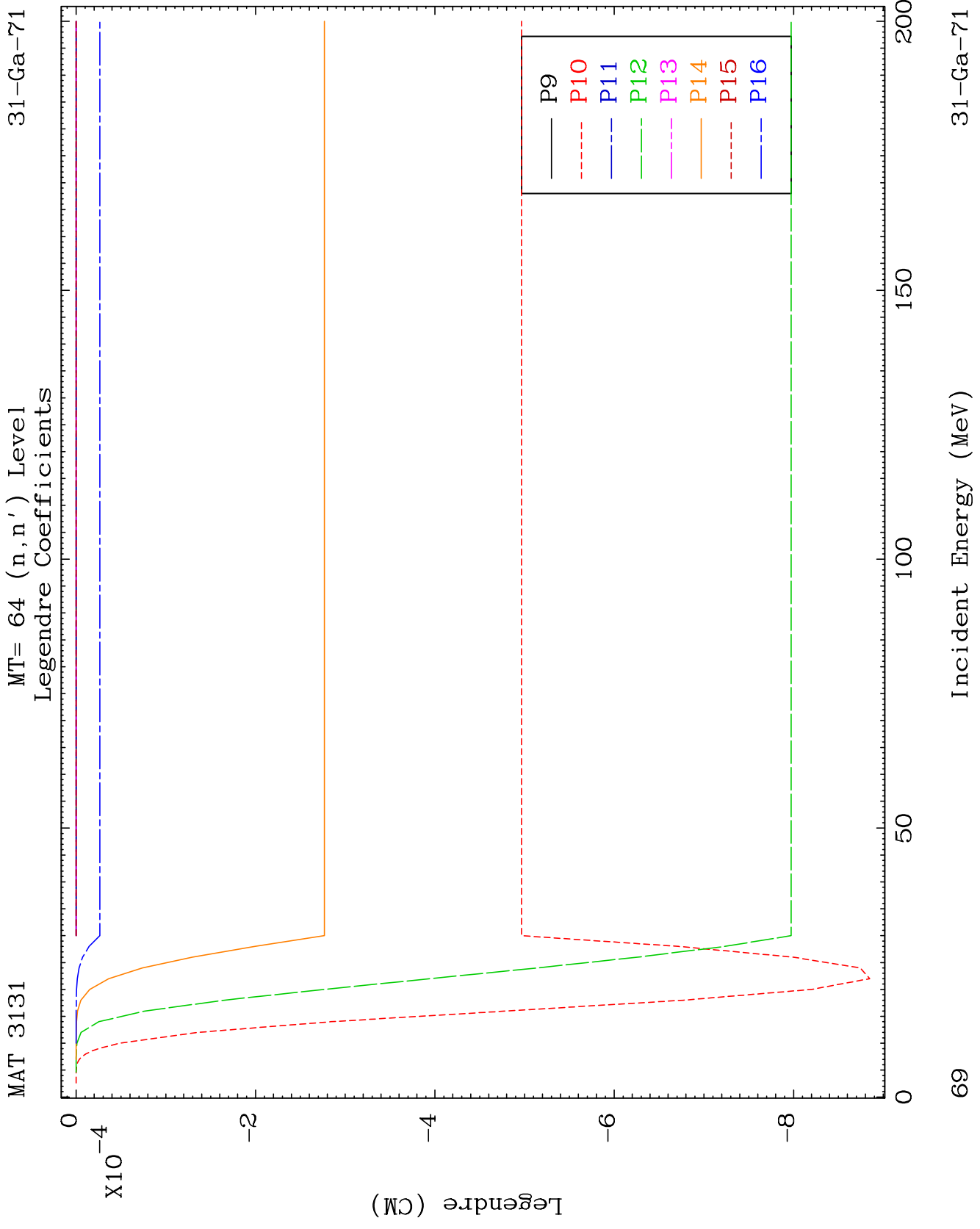
65

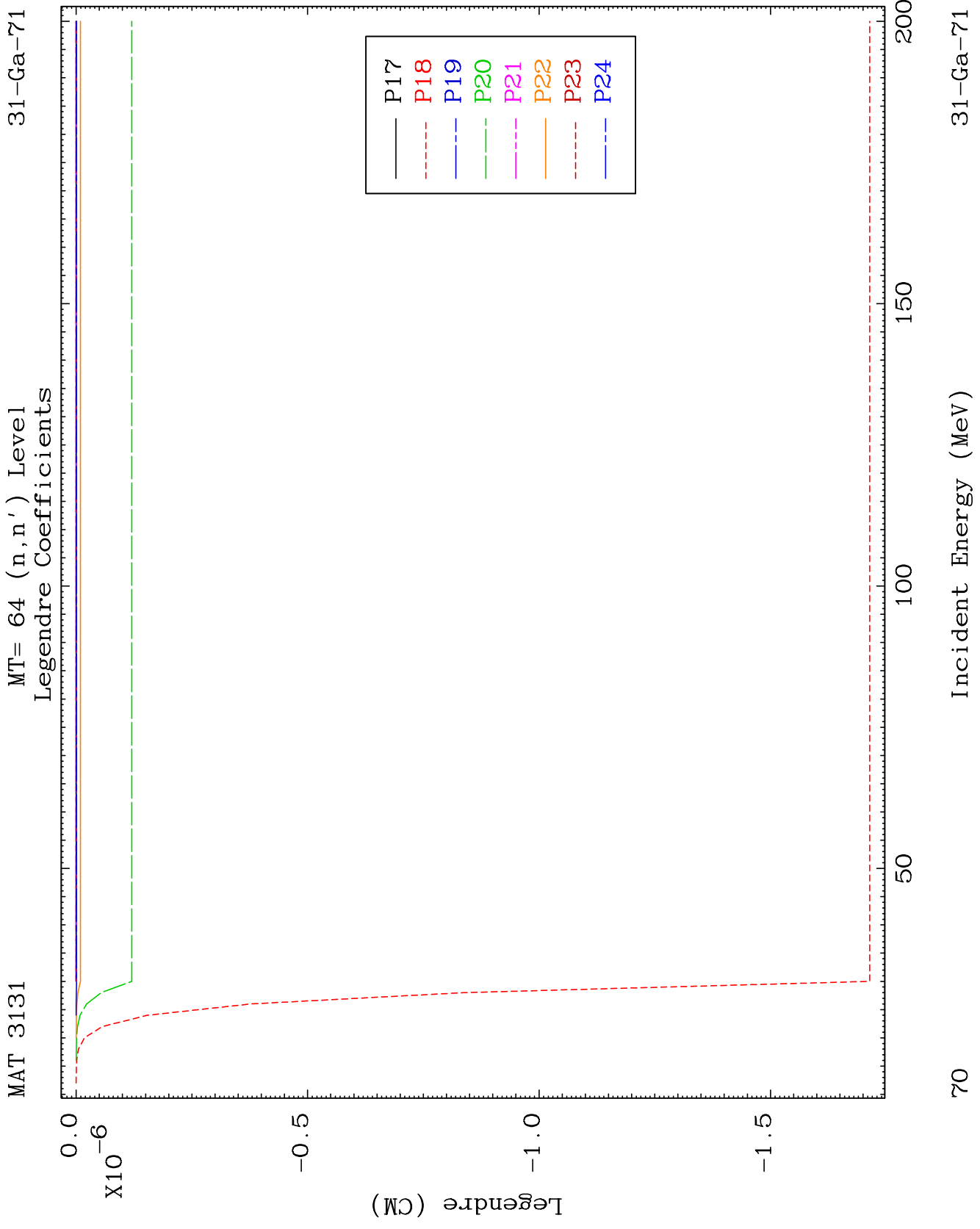
Incident Energy (MeV)

31-Ga-71





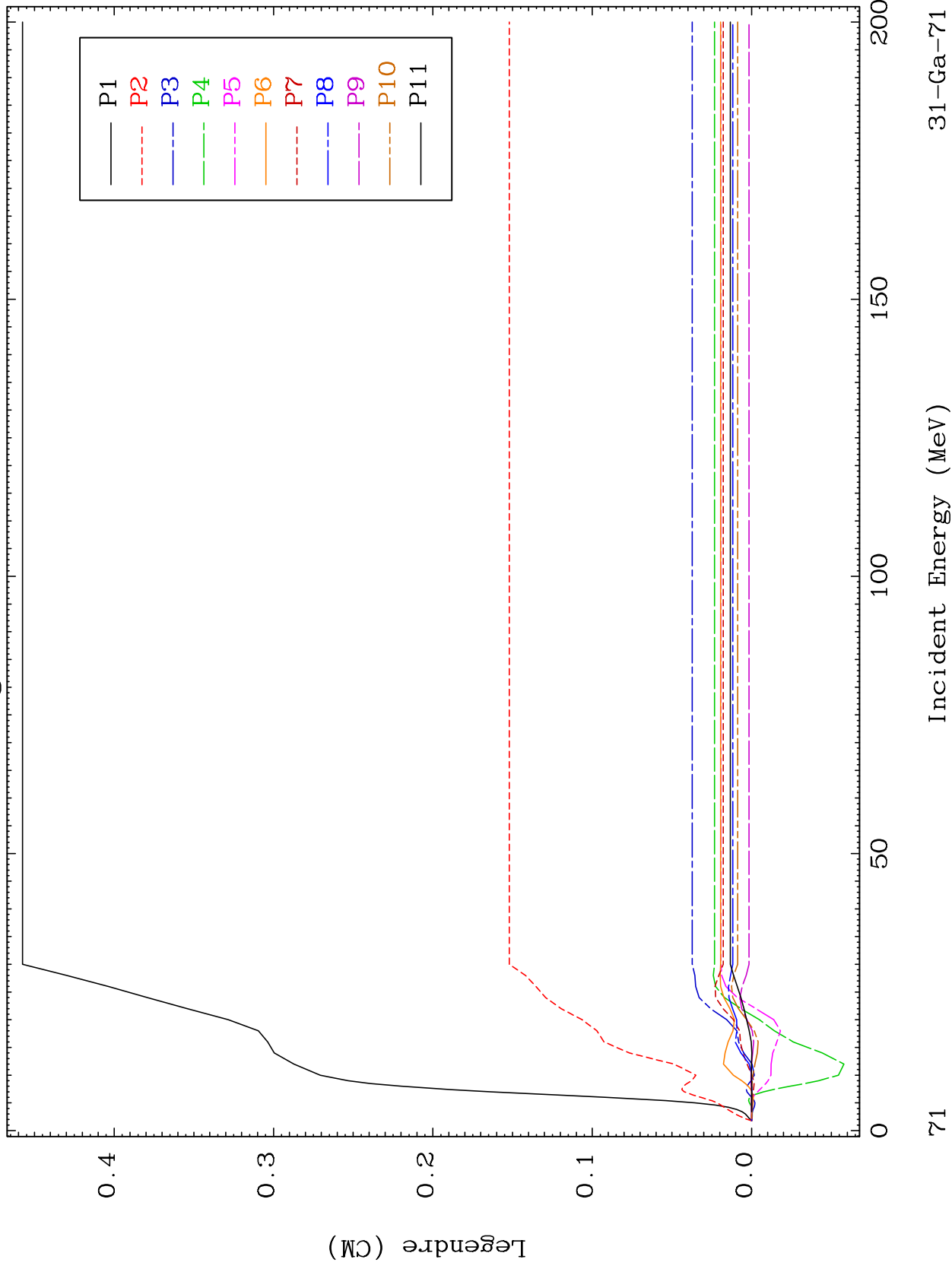




MAT 3131

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

31-Ga-71



31-Ga-71

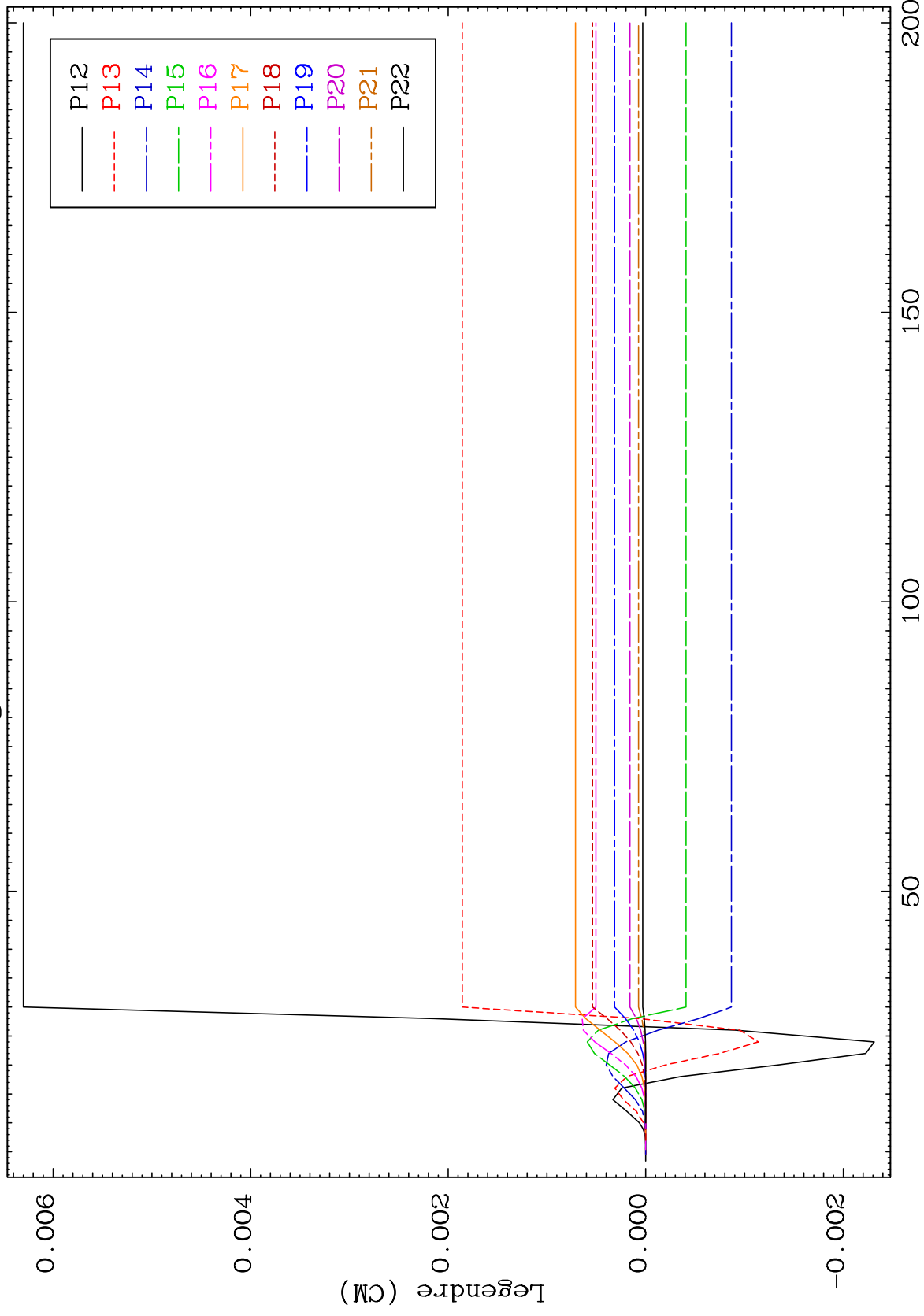
Incident Energy (MeV)

71

MAT 3131

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

31-Ga-71



72

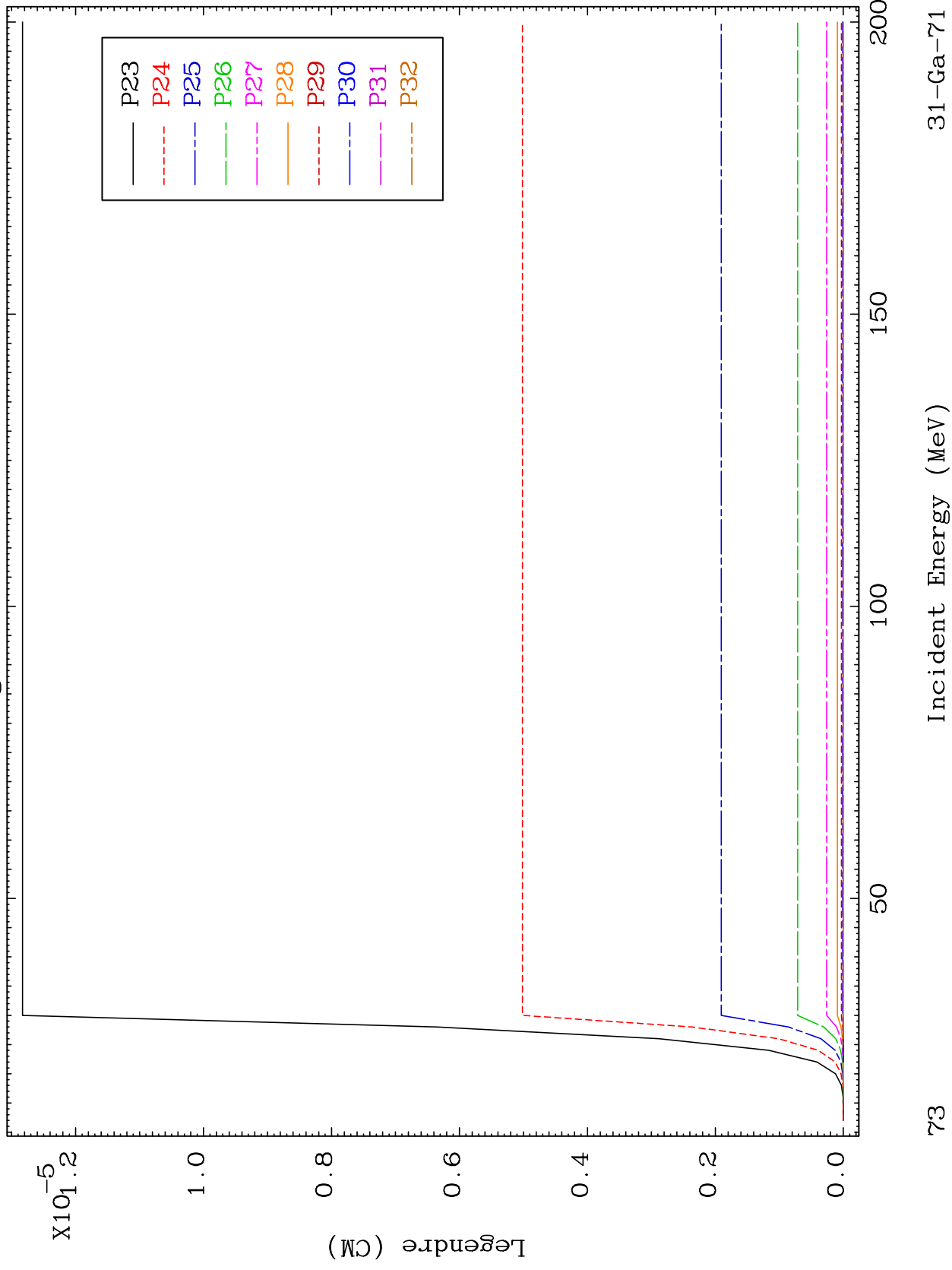
Incident Energy (MeV)

31-Ga-71

MAT 3131

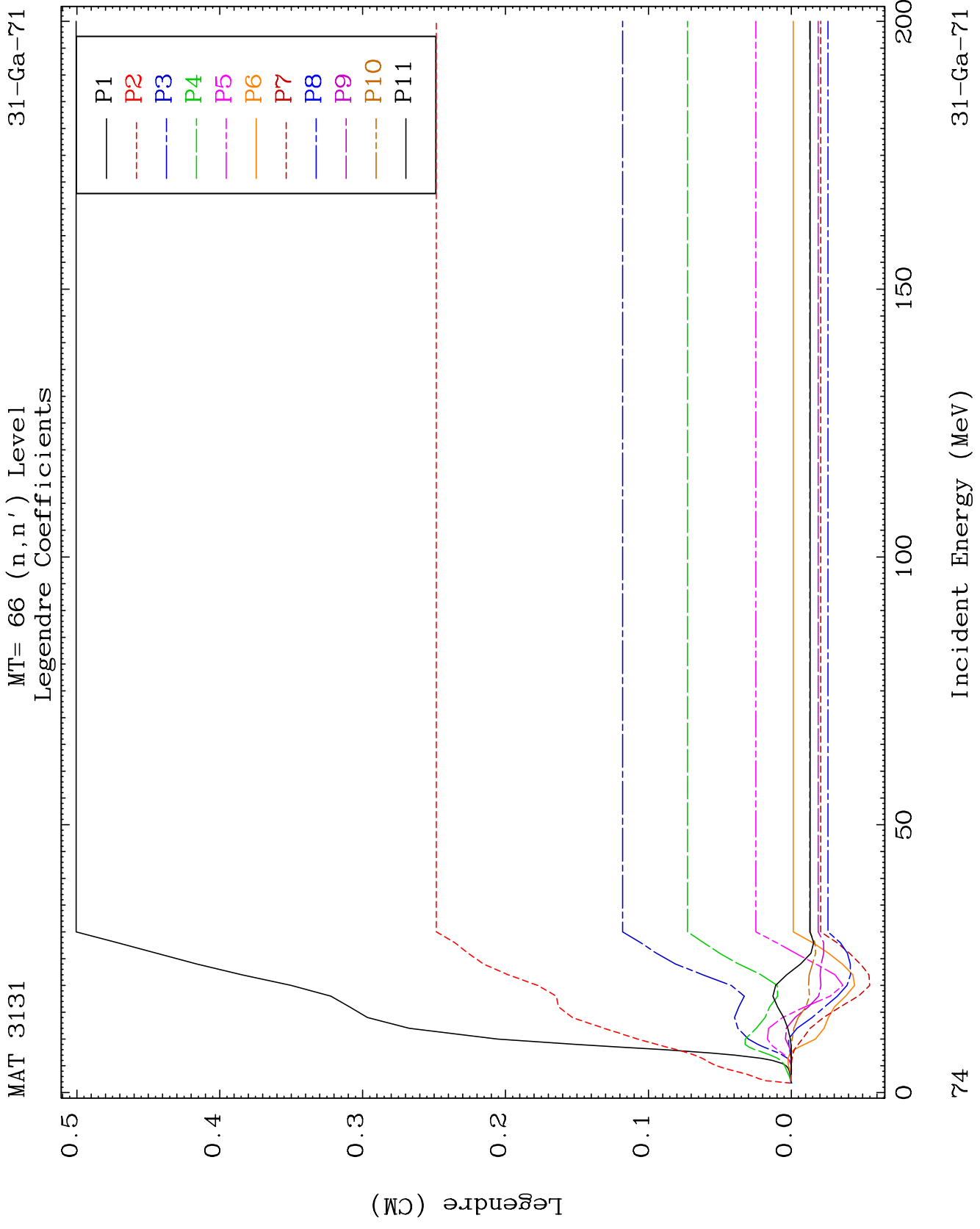
MT= 65 (n,n') Level
Legendre Coefficients

31-Ga-71



73

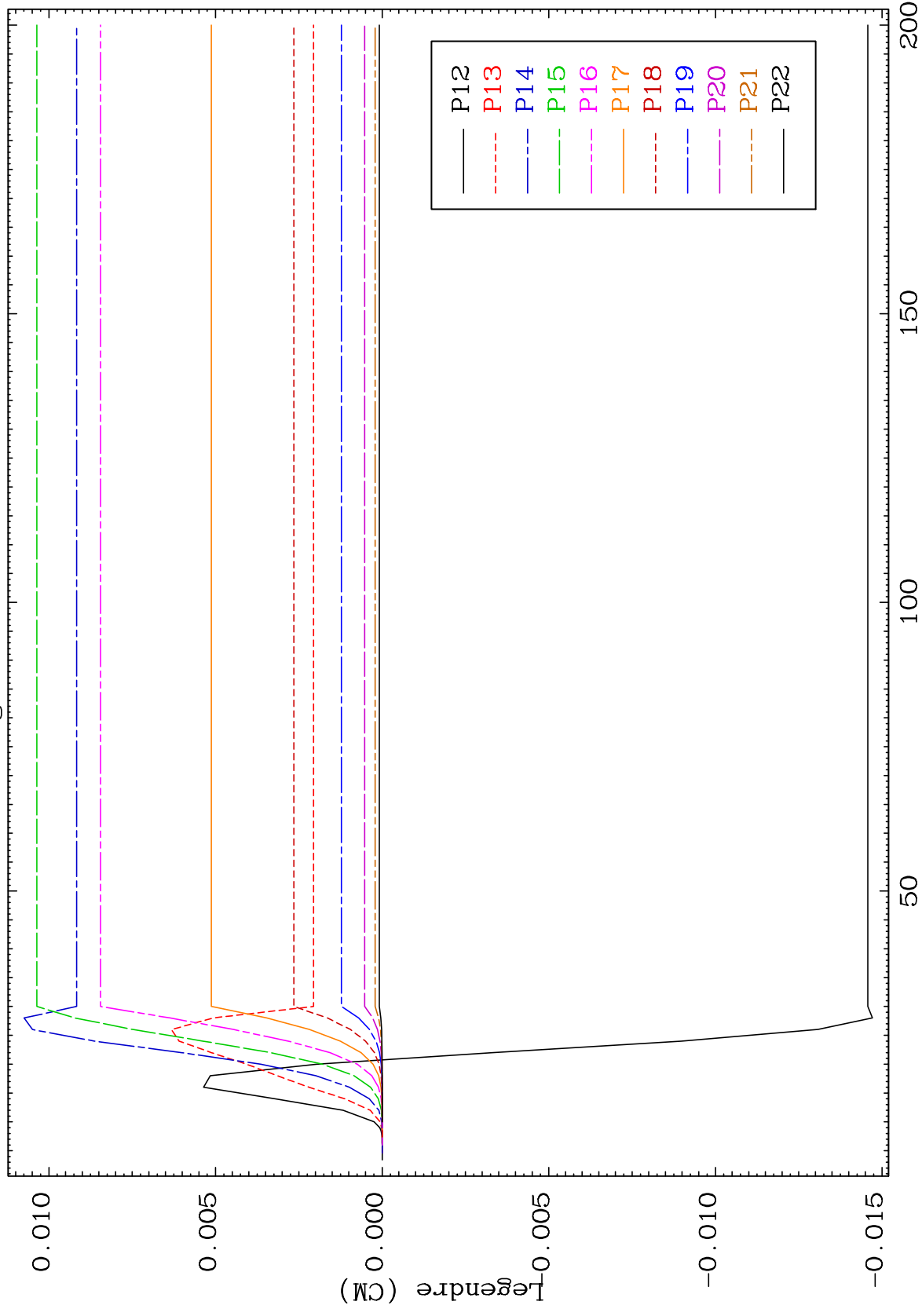
31-Ga-71



MAT 3131

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

31-Ga-71



75

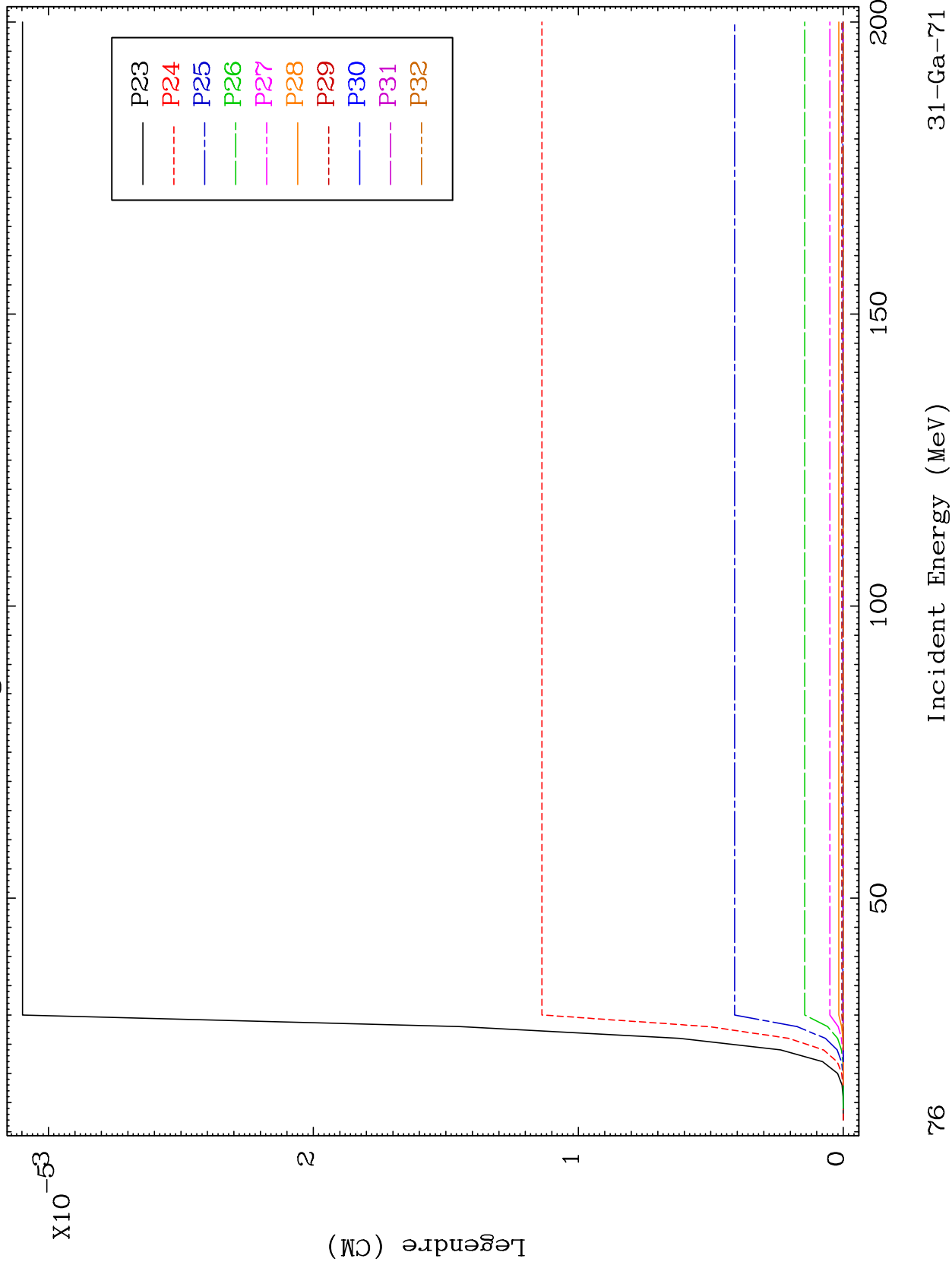
Incident Energy (MeV)

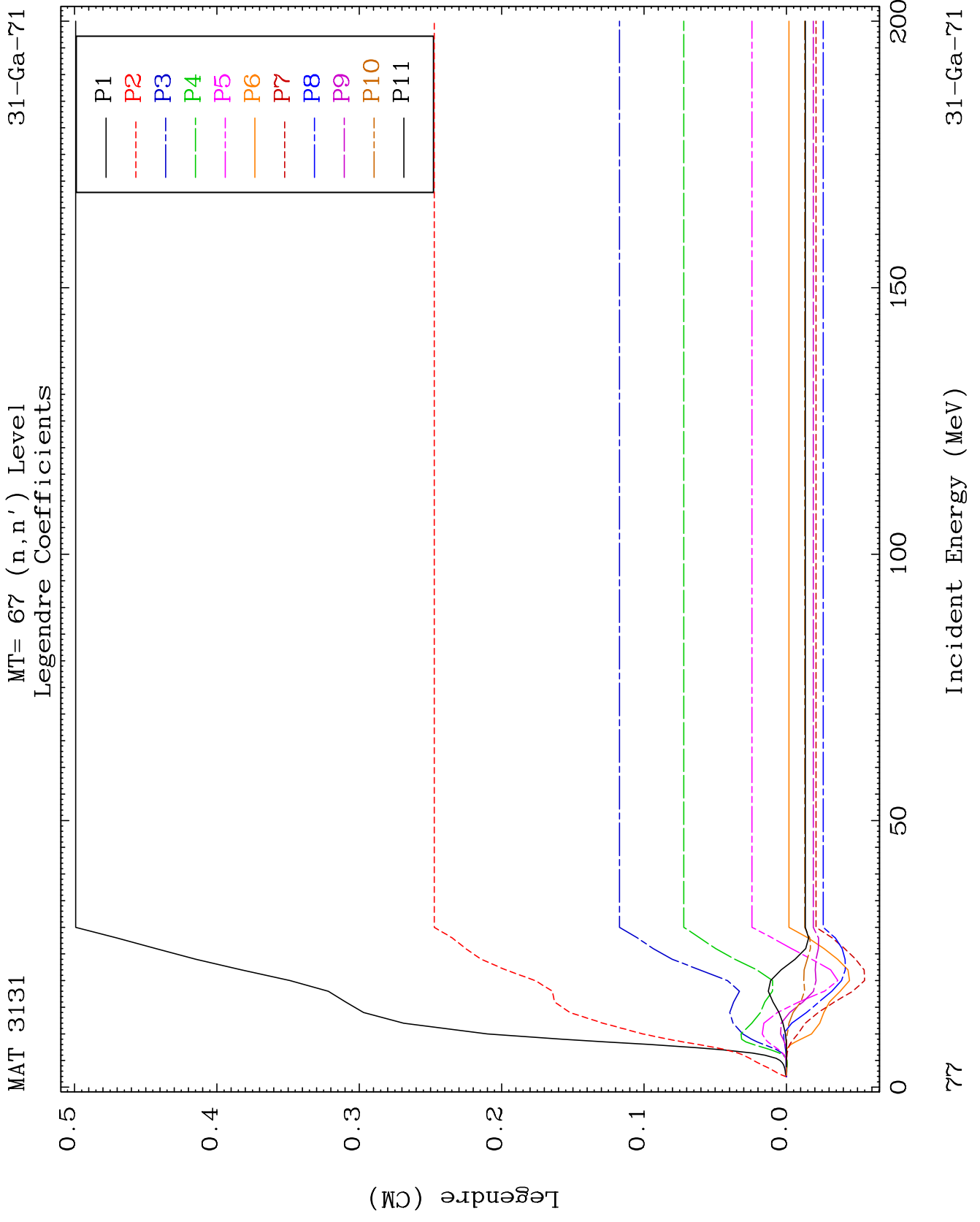
31-Ga-71

MAT 3131

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

31-Ga-71

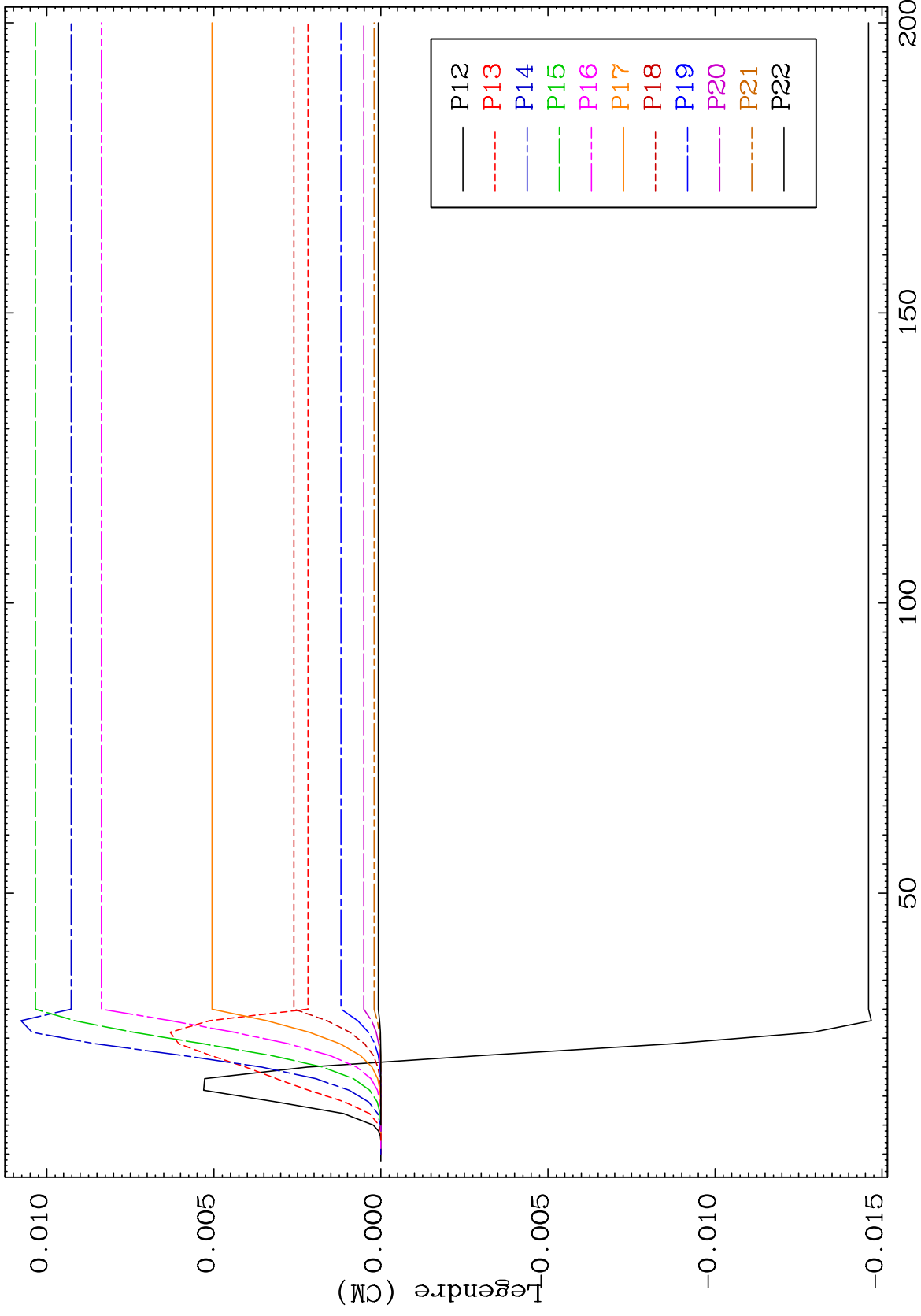




MAT 3131

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

31-Ga-71



78

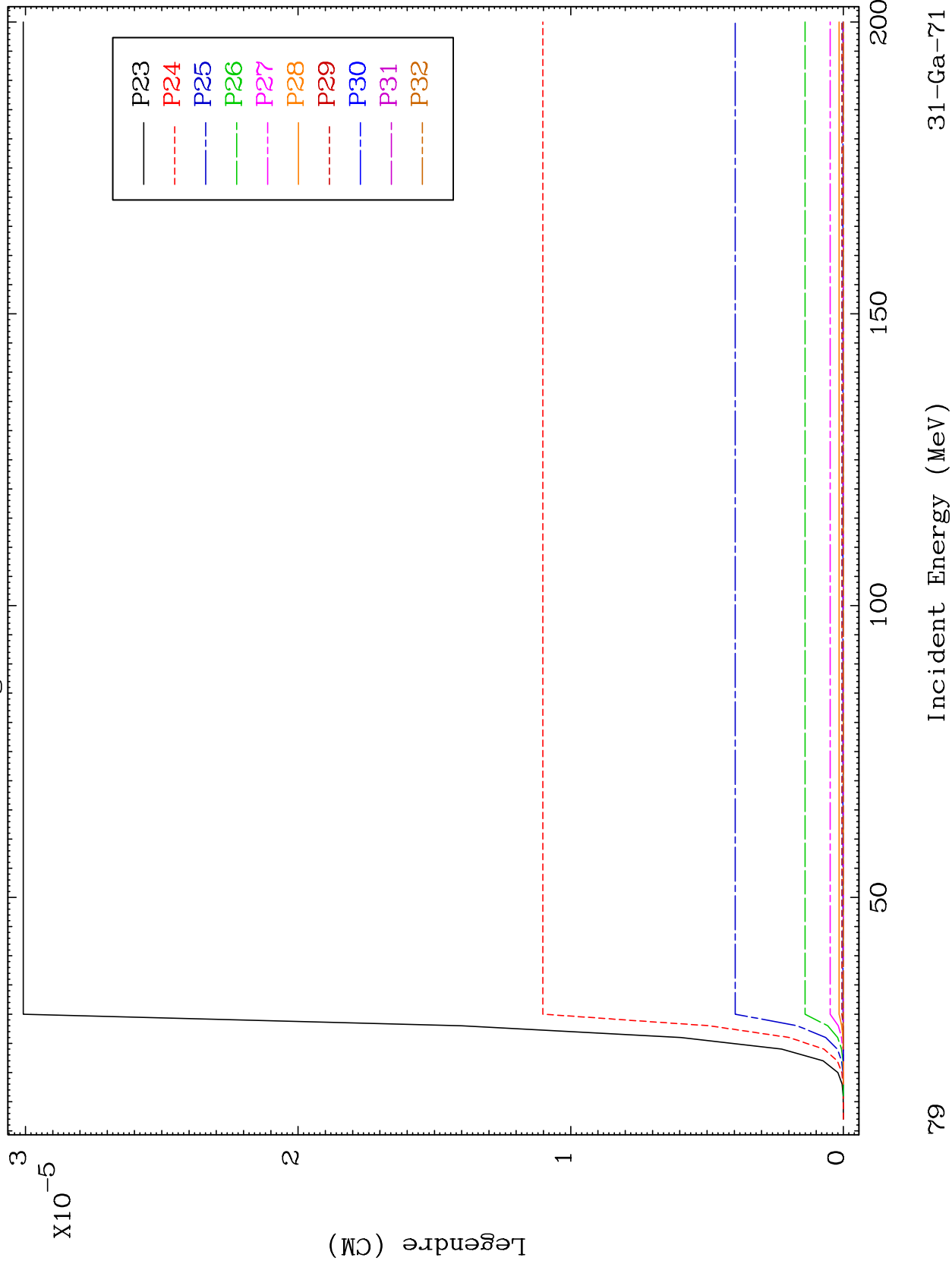
Incident Energy (MeV)

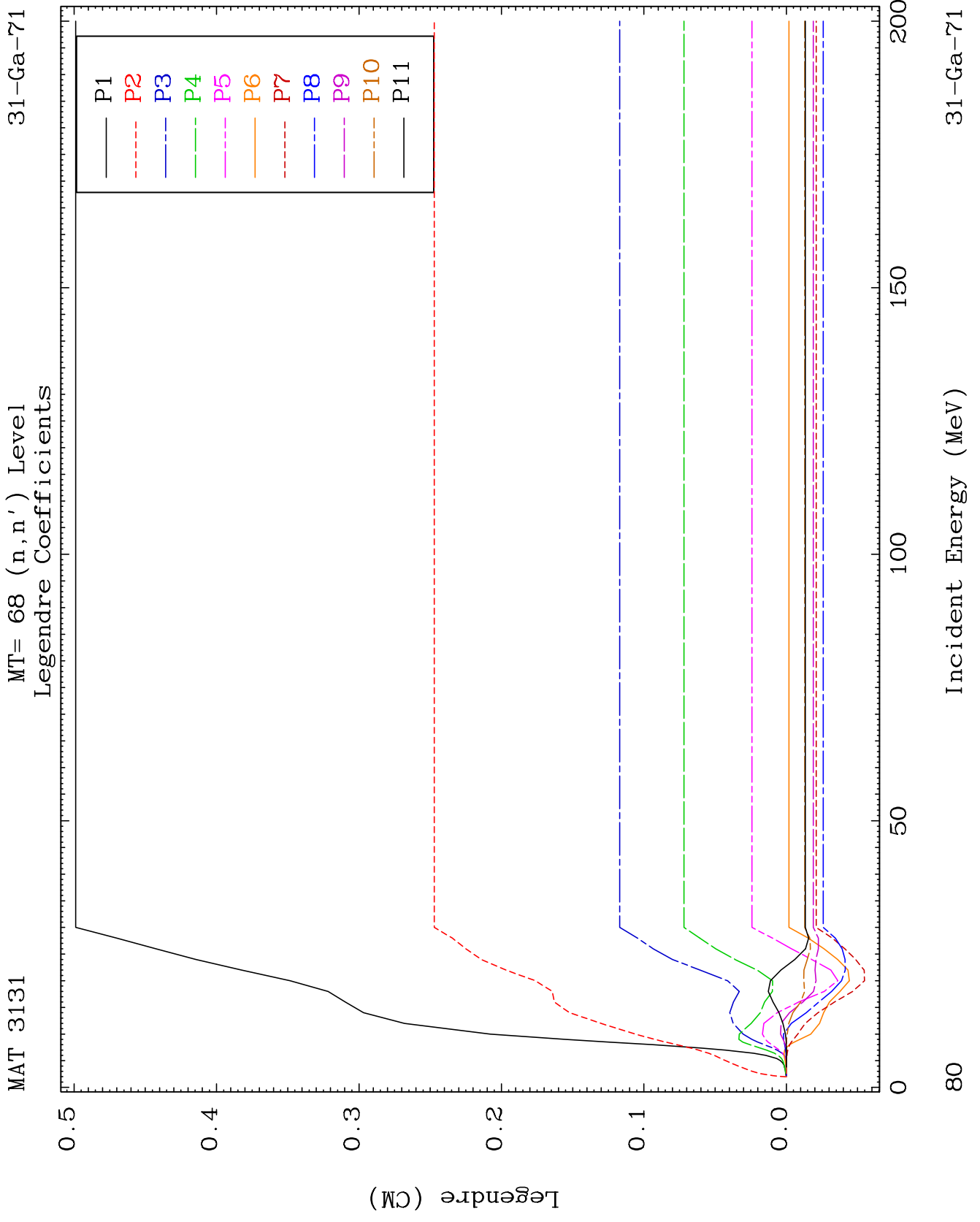
31-Ga-71

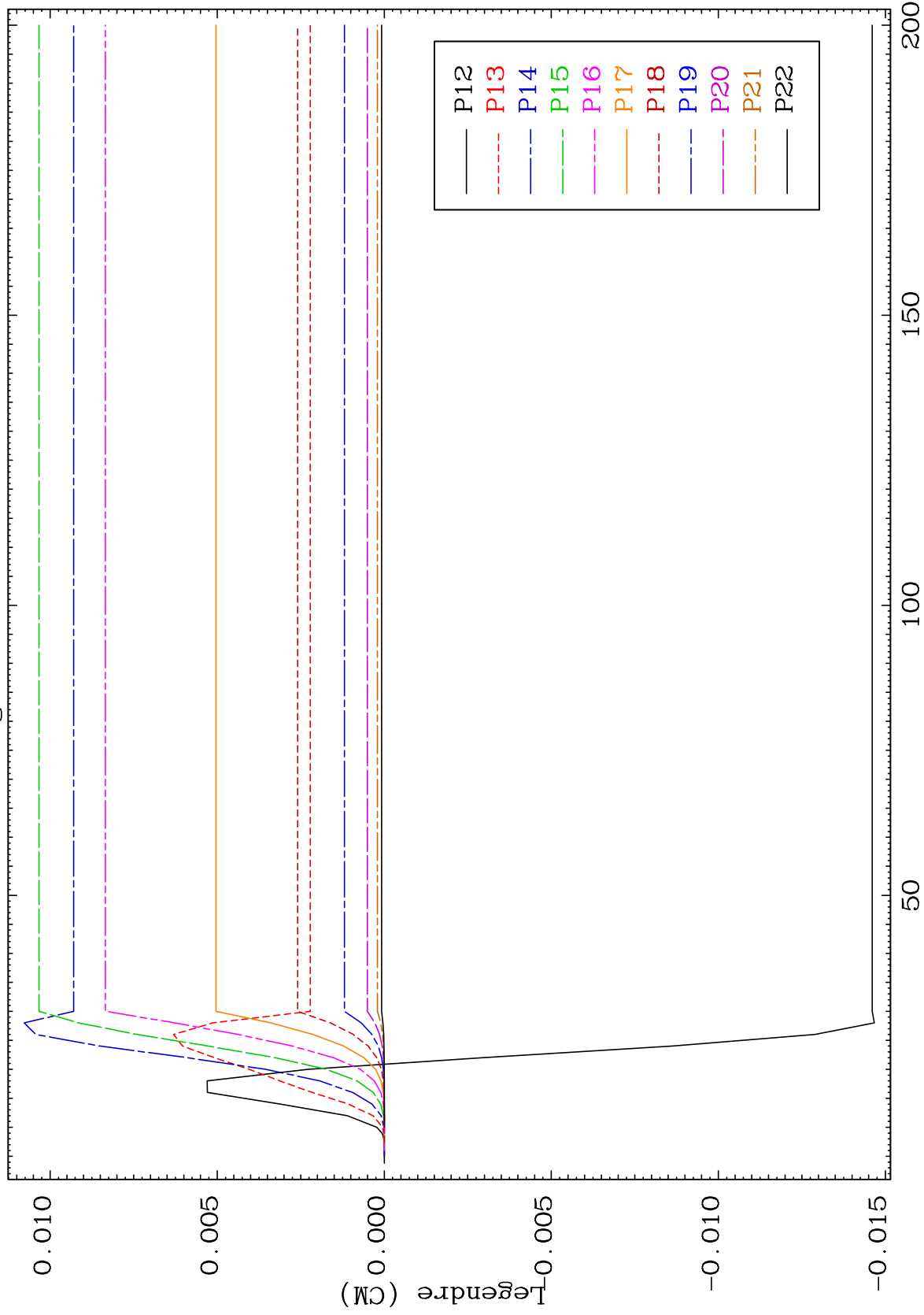
MAT 3131

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

³¹Ga-71



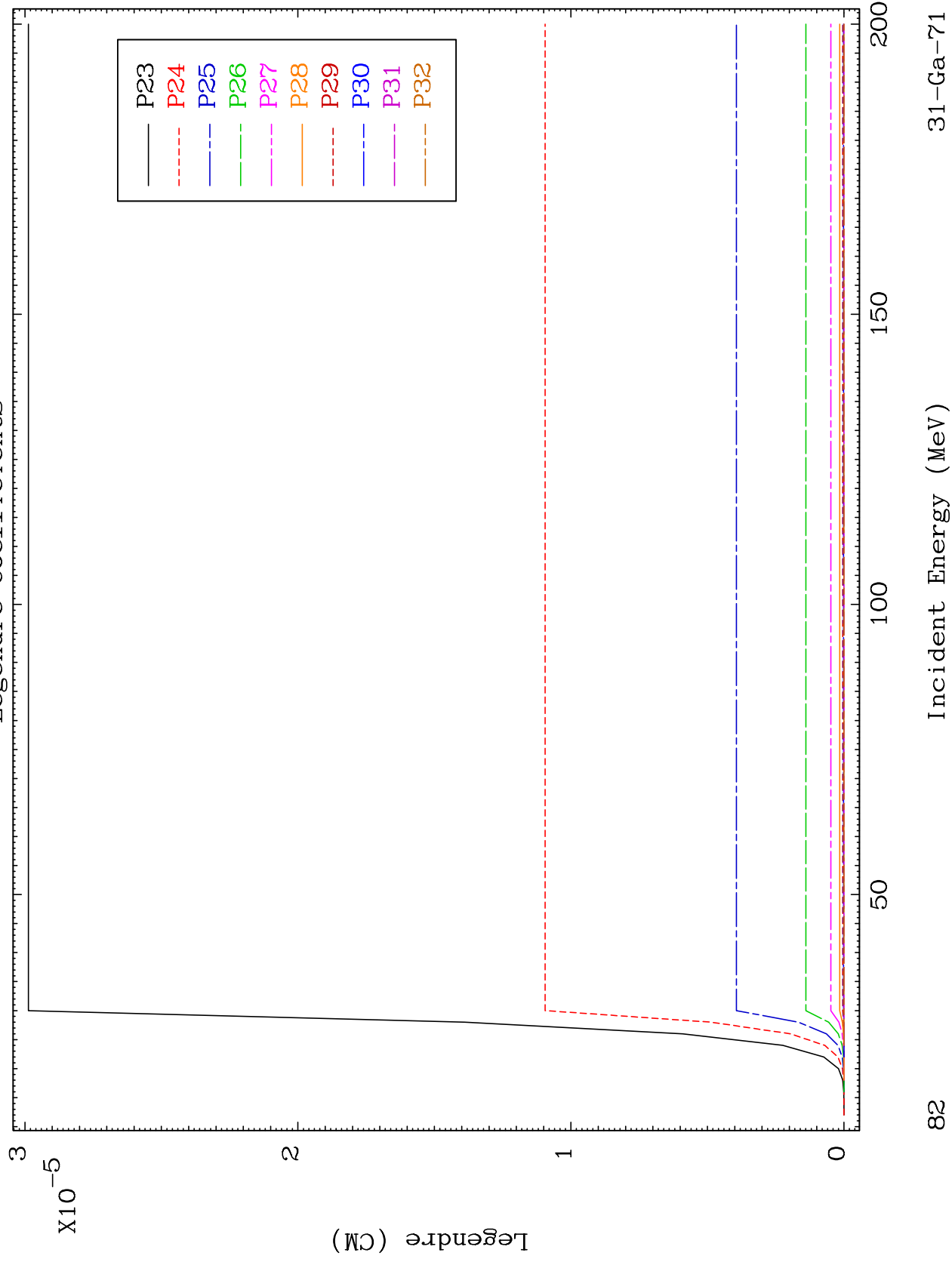


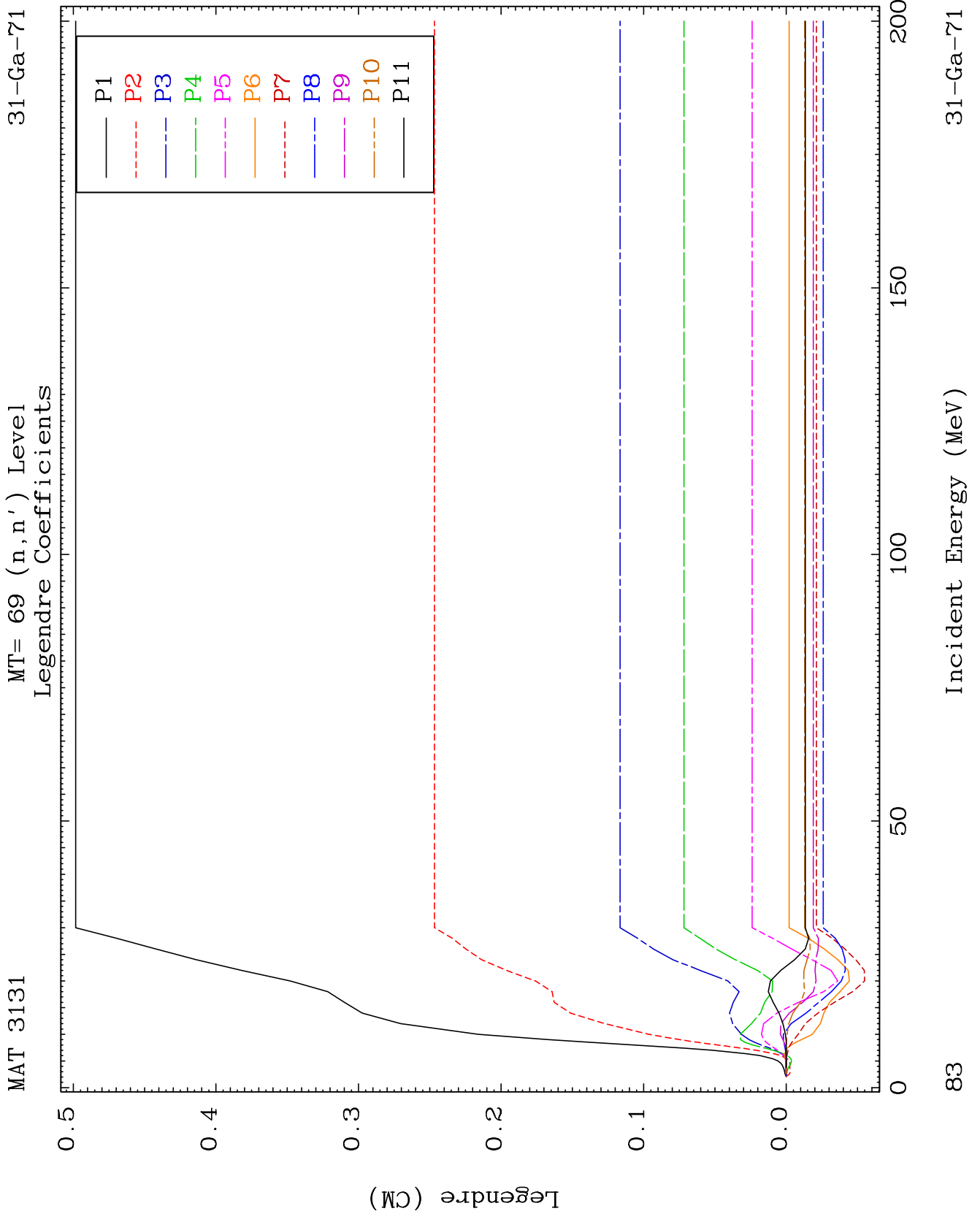


MAT 3131

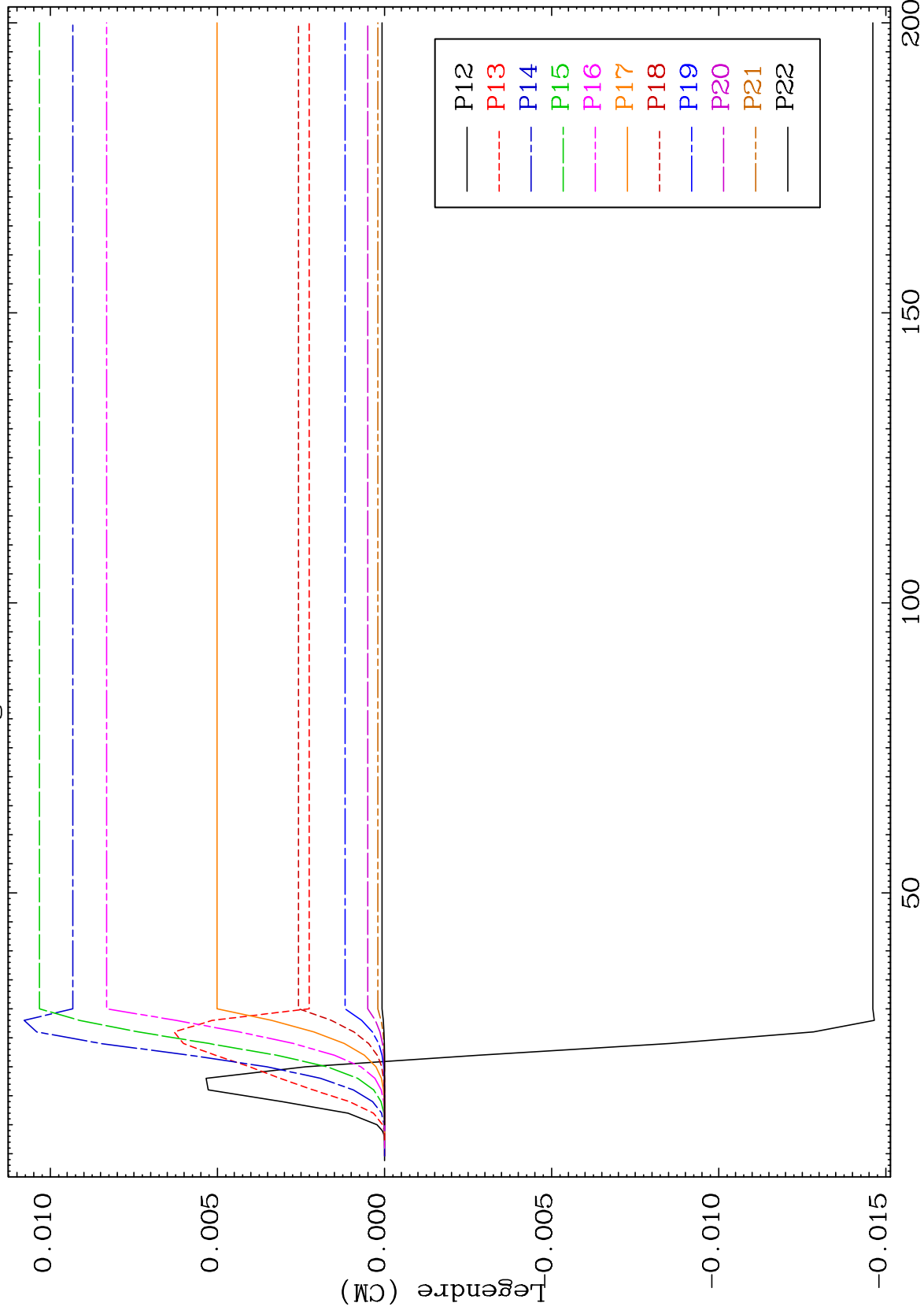
MT= 68 (n,n') Level
Legendre Coefficients

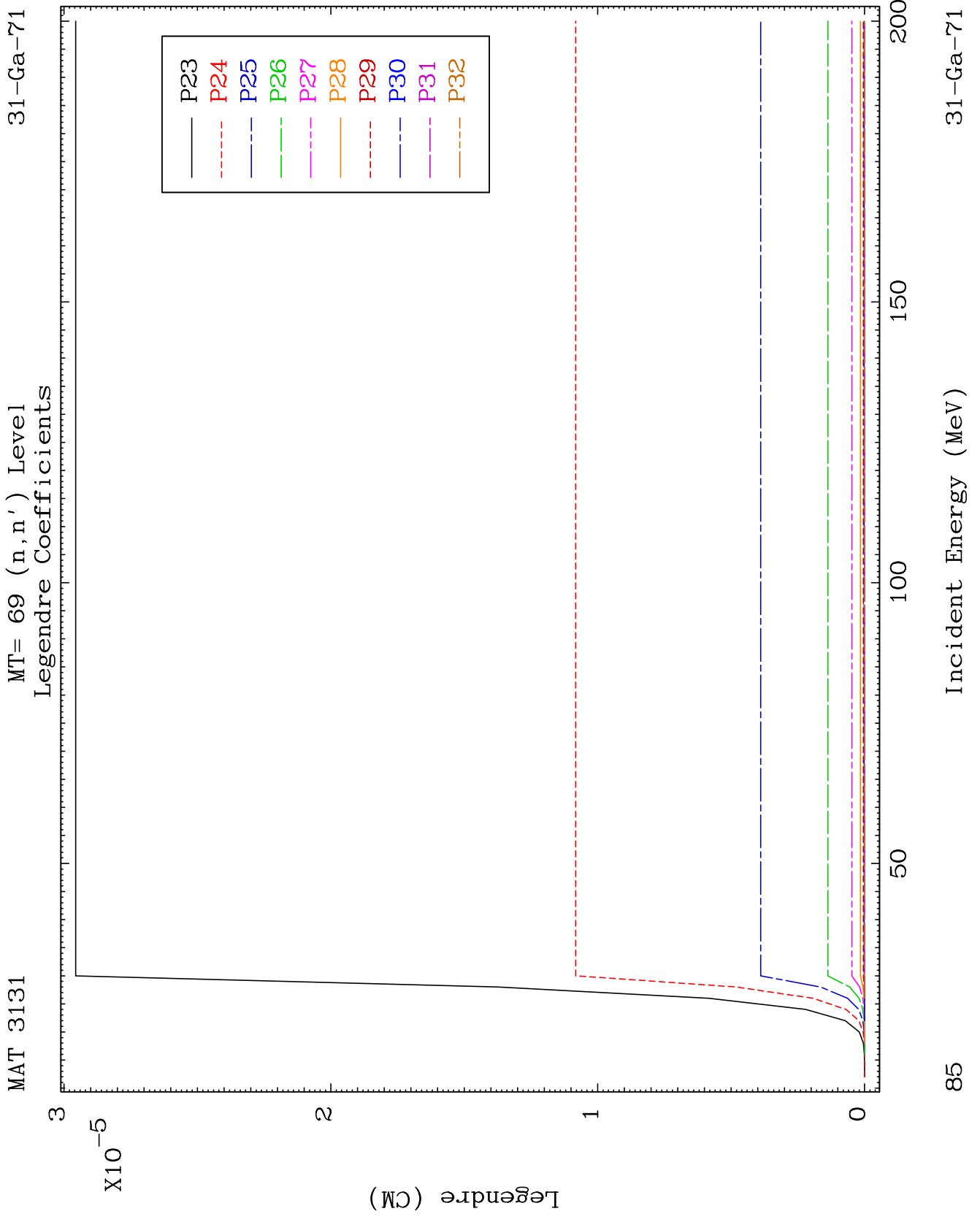
31-Ga-71

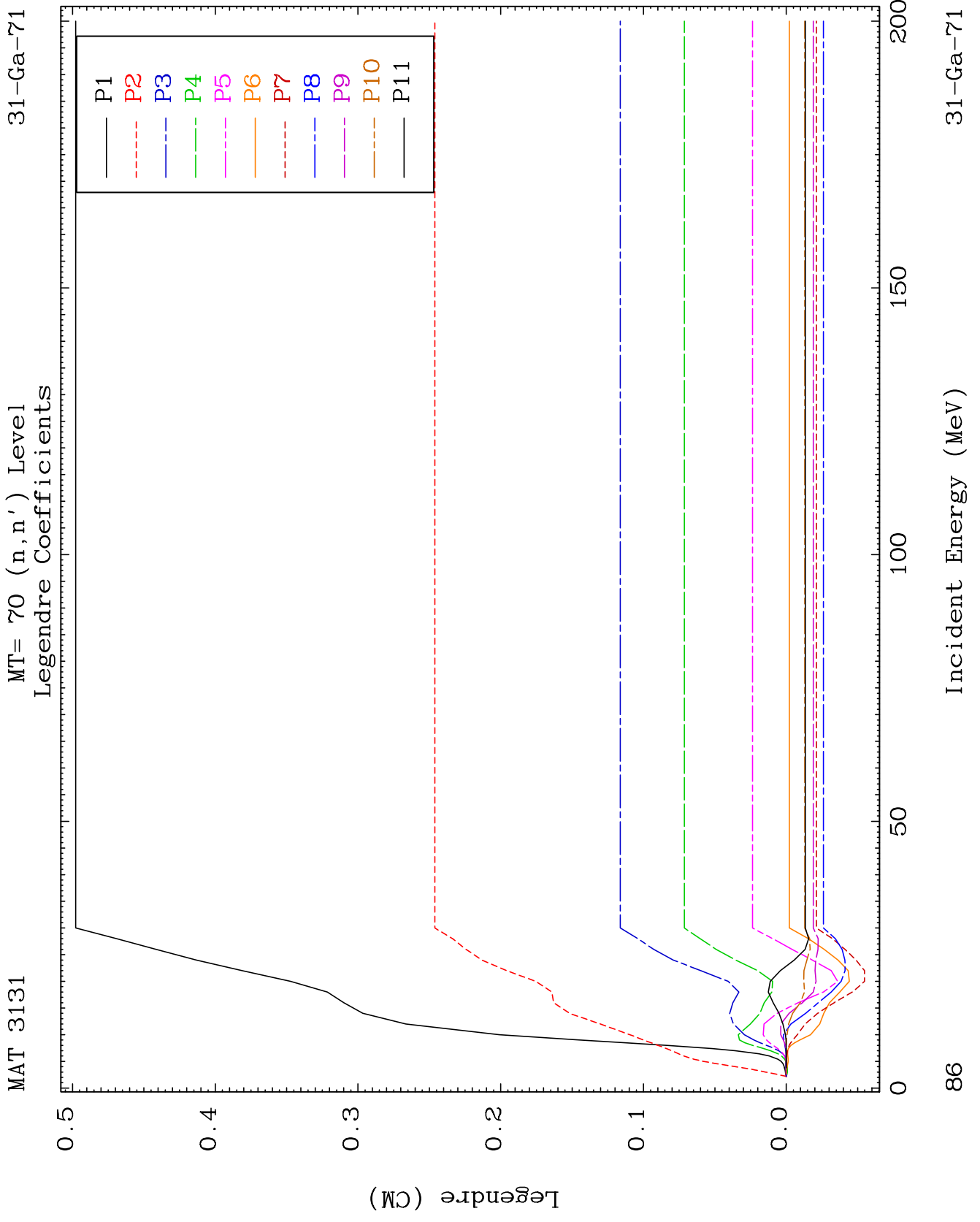


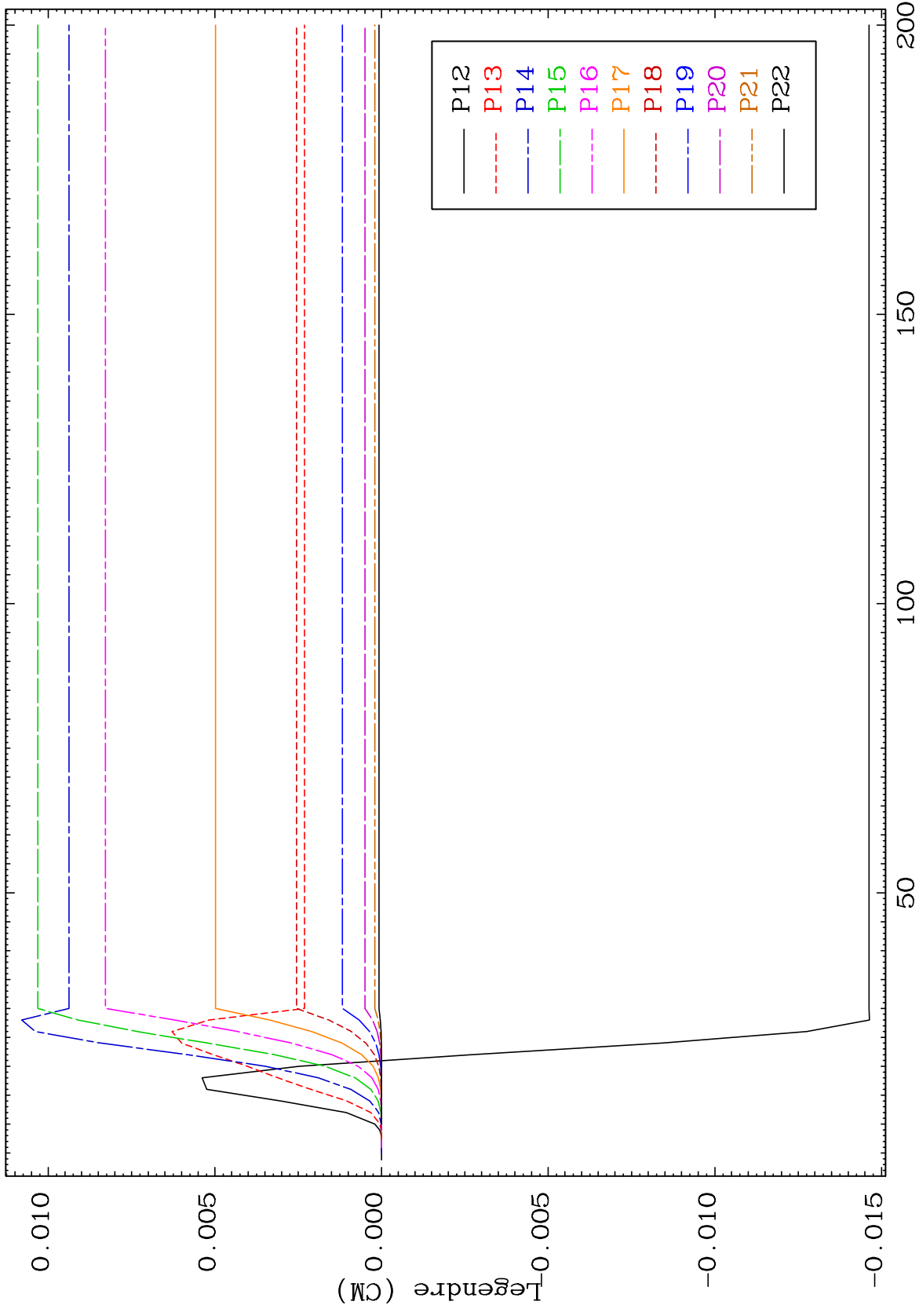


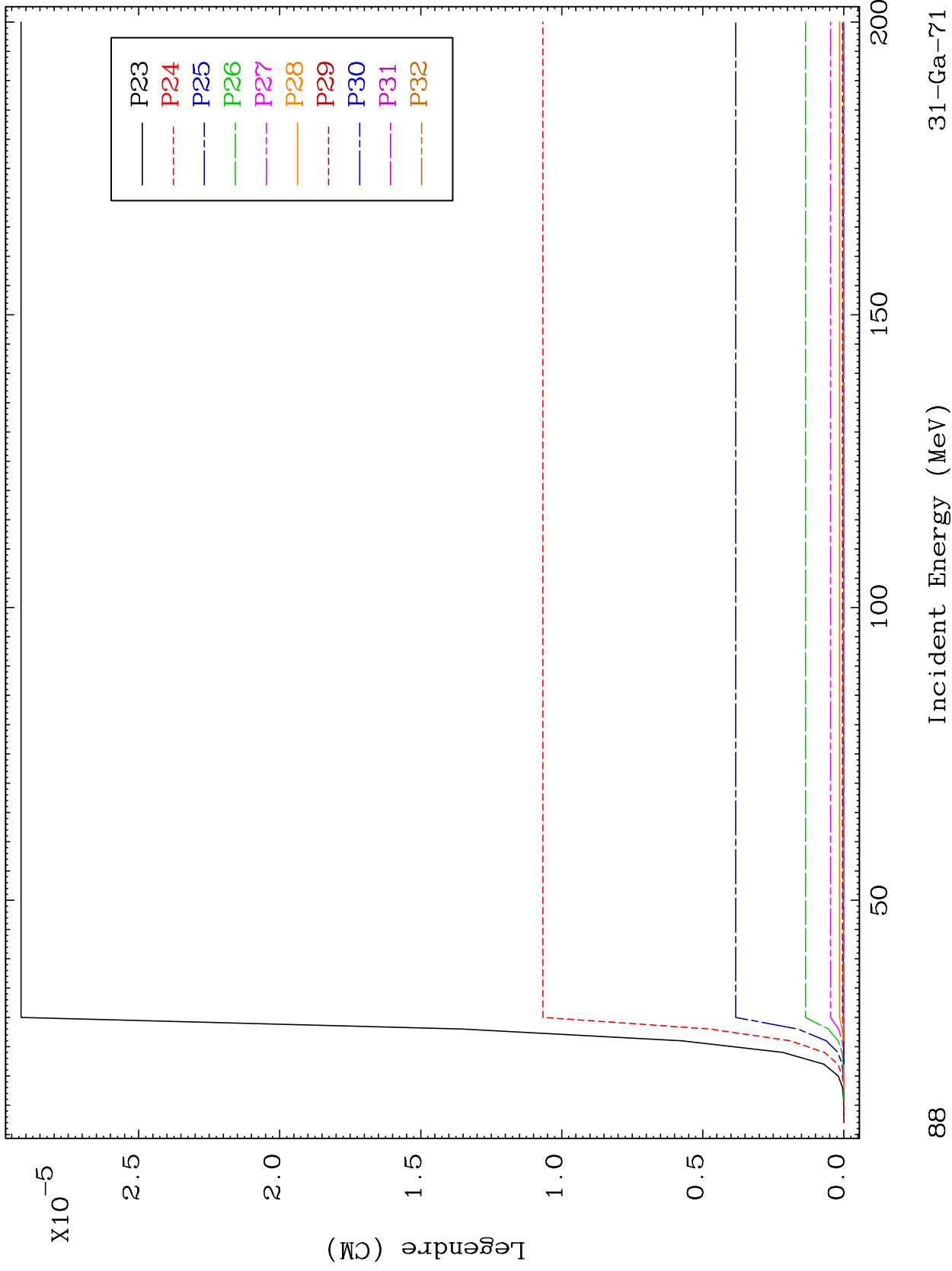
MT= 69 (n,n') Level
Legendre Coefficients







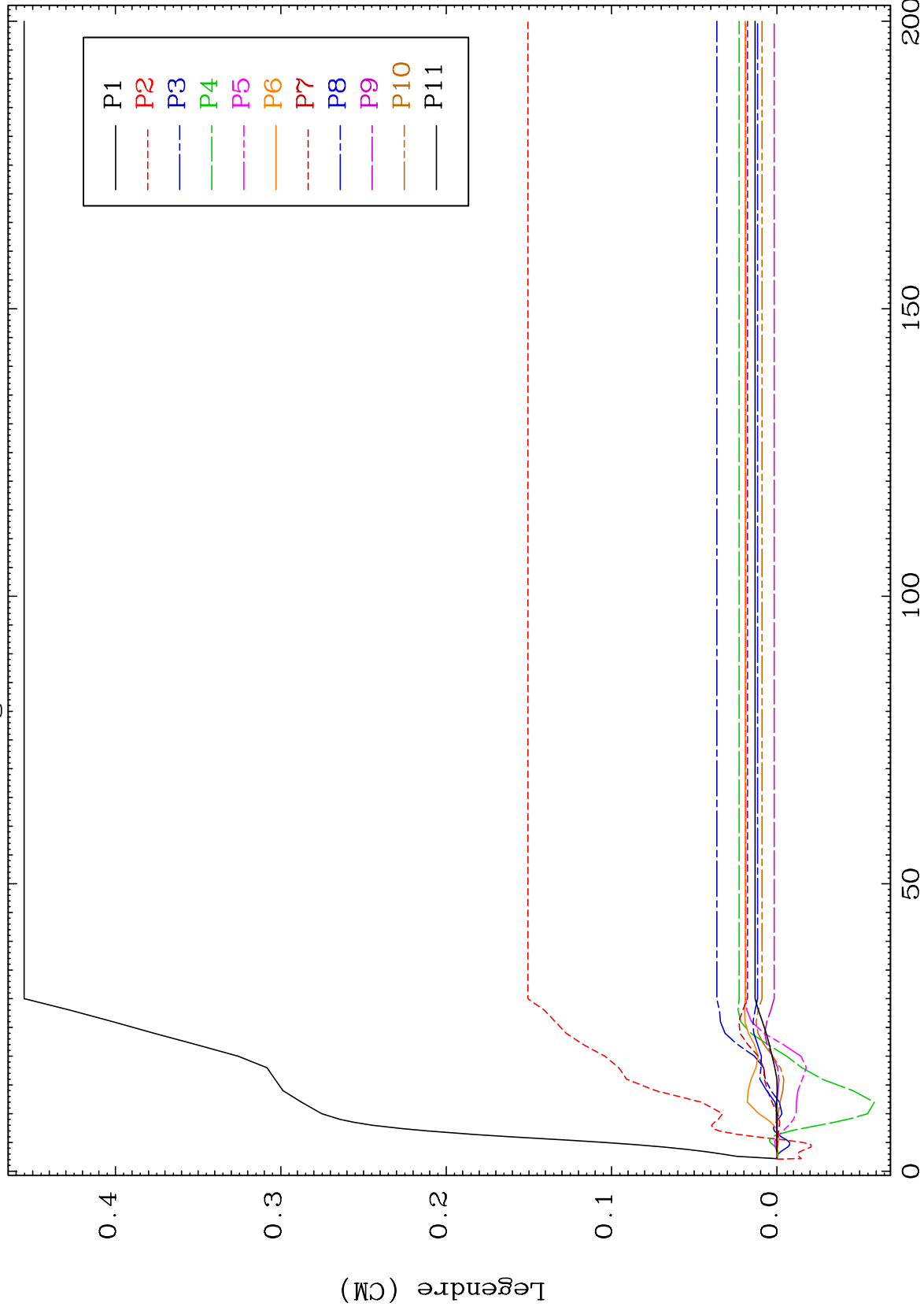




MAT 3131

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

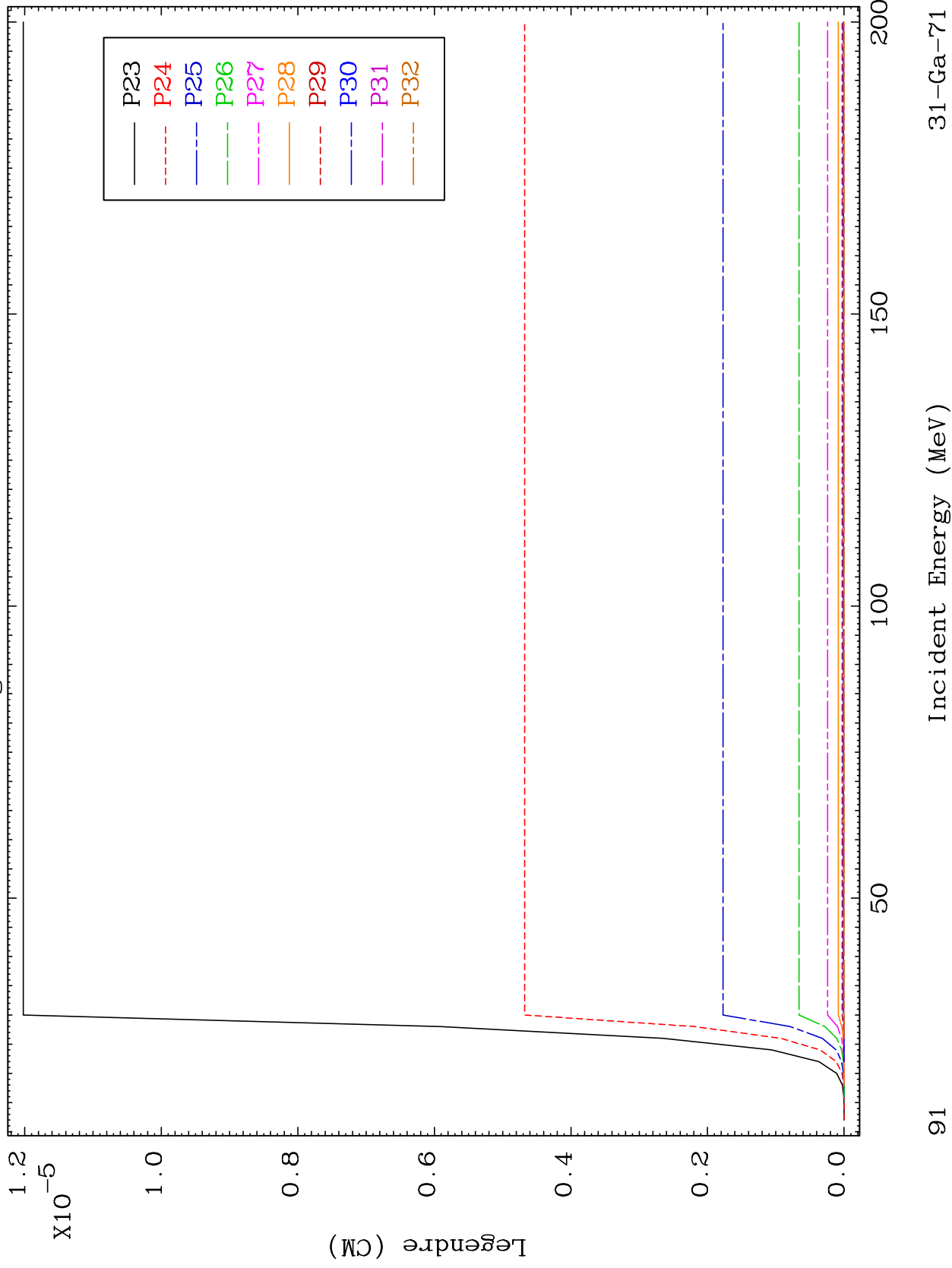
31-Ga-71



89

Incident Energy (MeV)

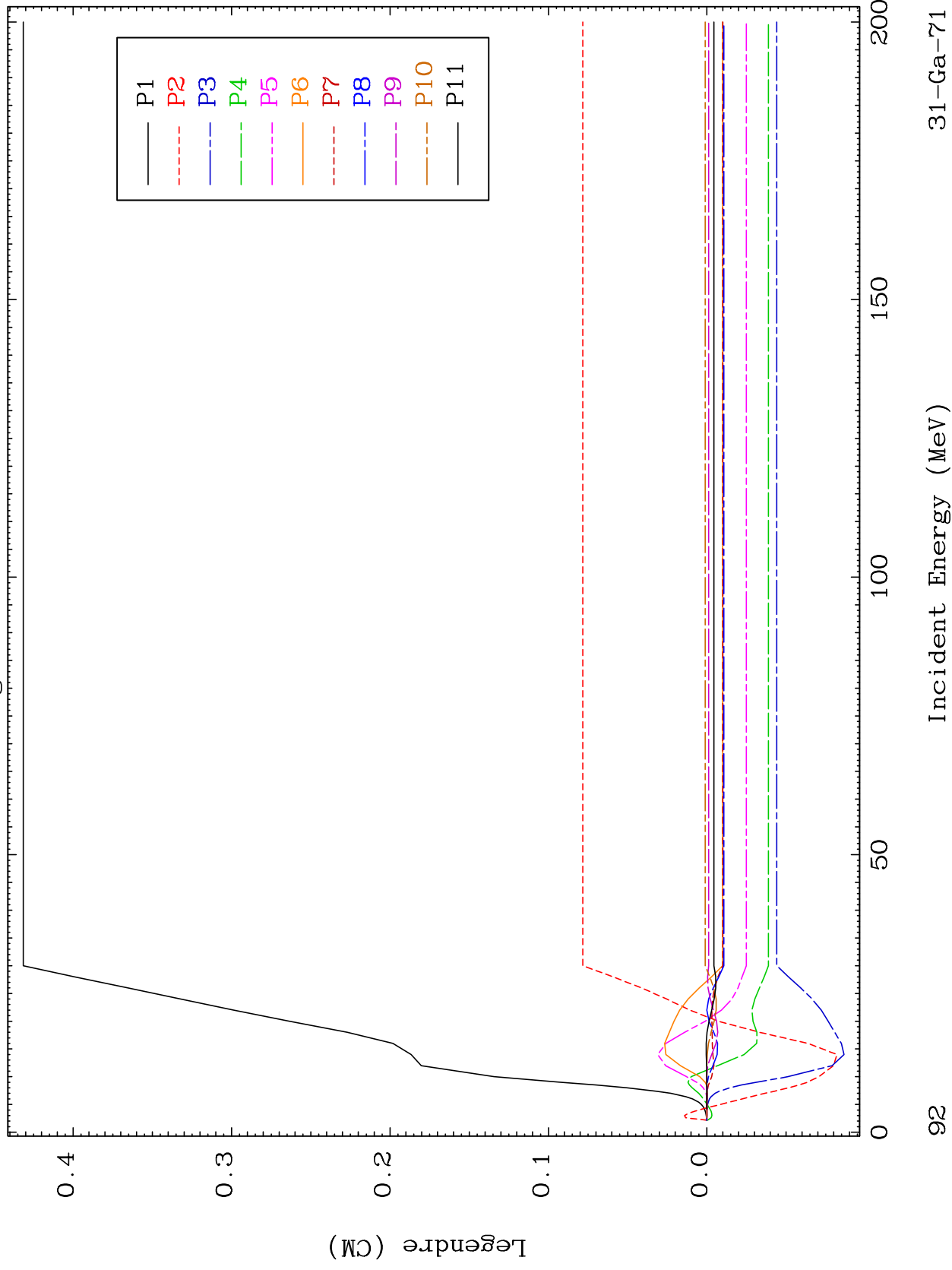
31-Ga-71



MAT 3131

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

31-Ga-71



92

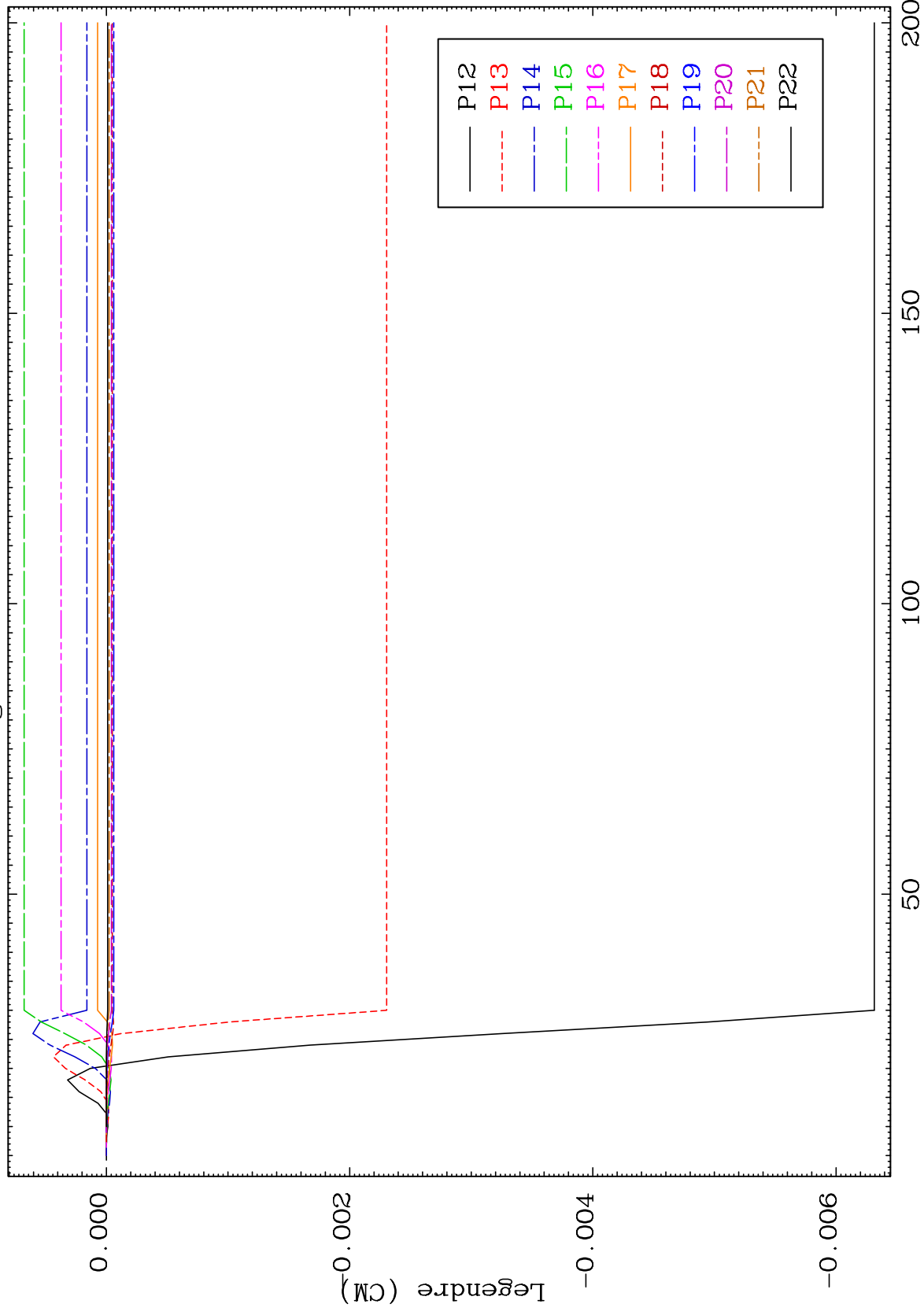
Incident Energy (MeV)

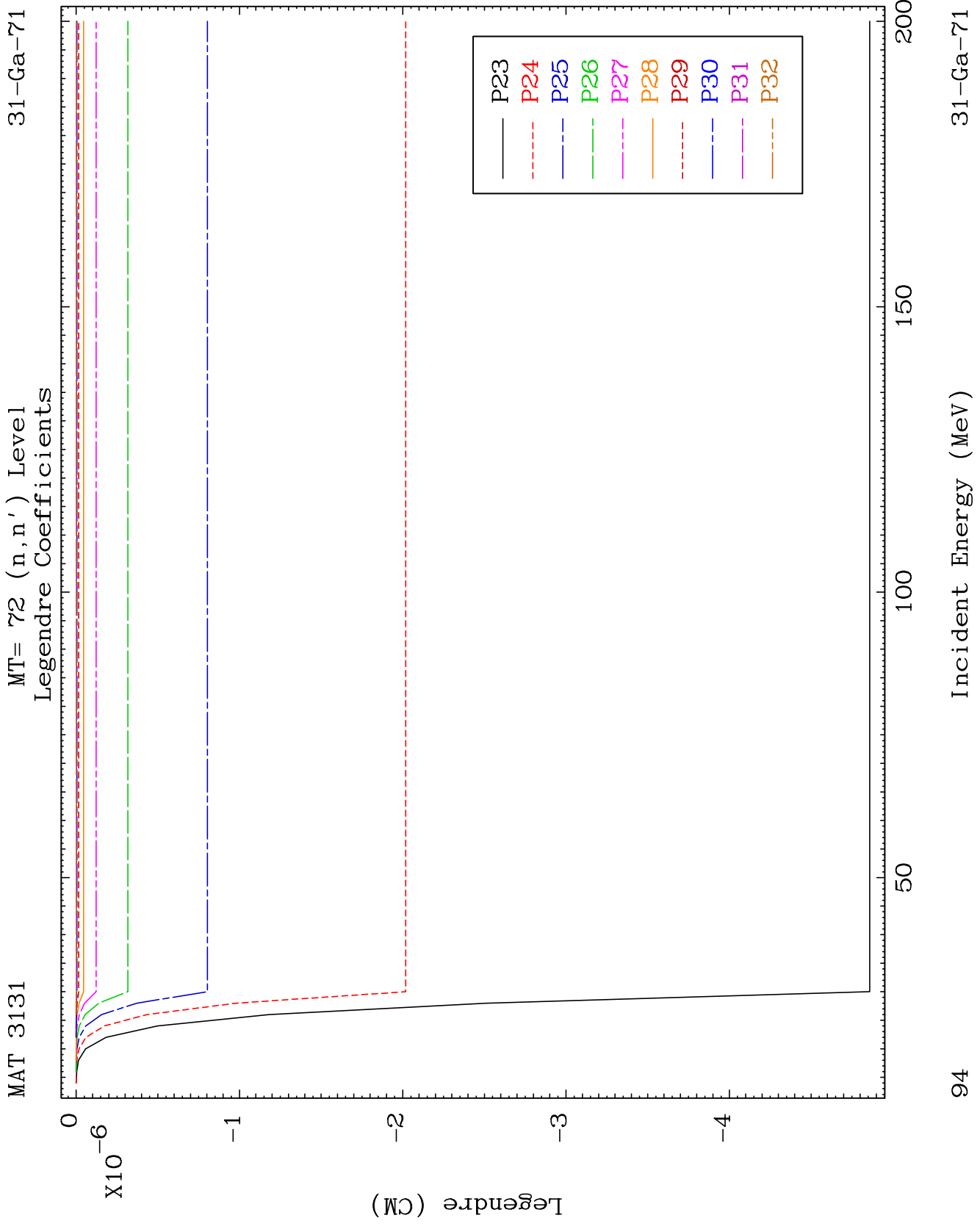
31-Ga-71

MAT 3131

31-Ga-71

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

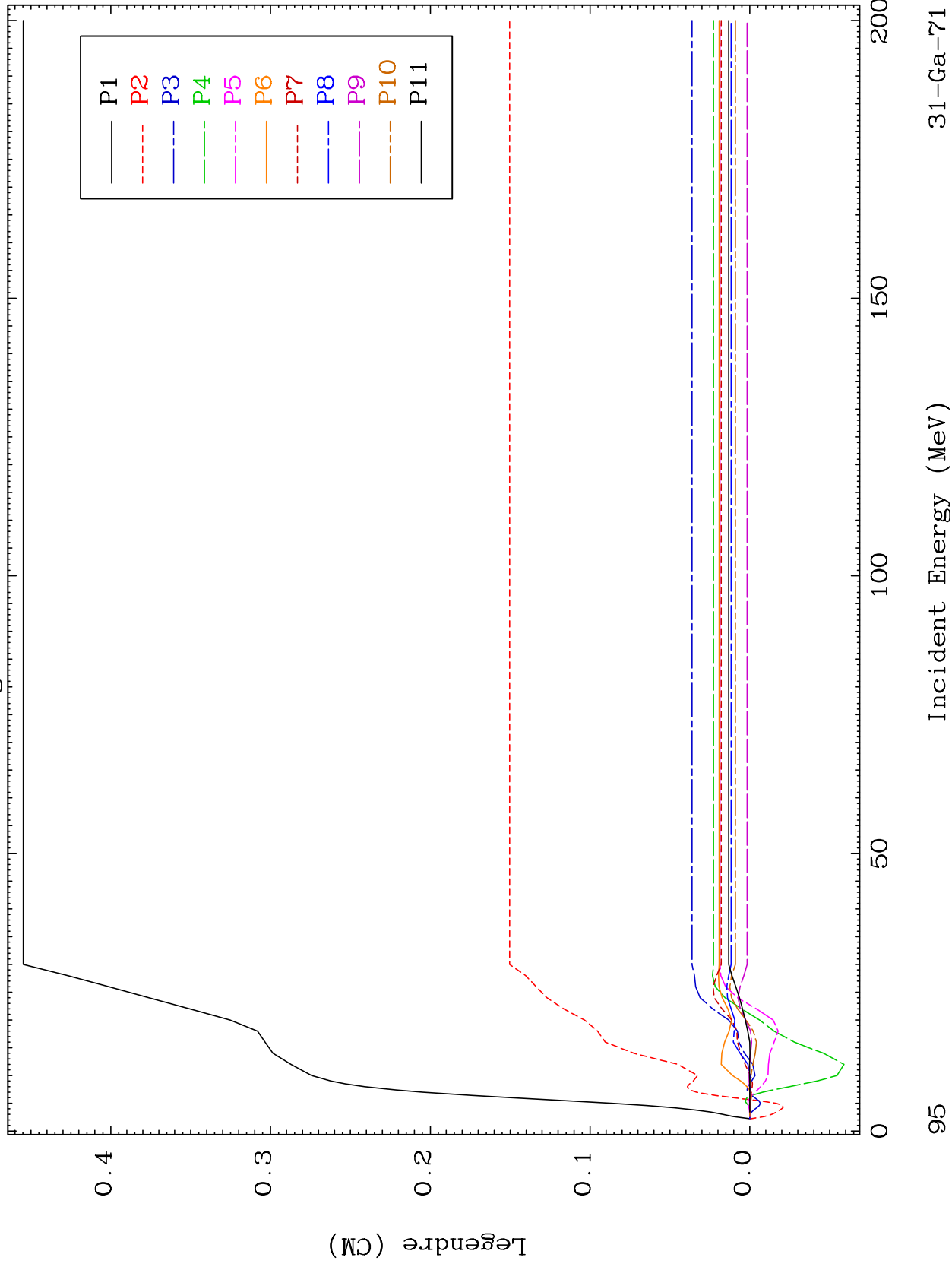




MAT 3131

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

31-Ga-71



31-Ga-71

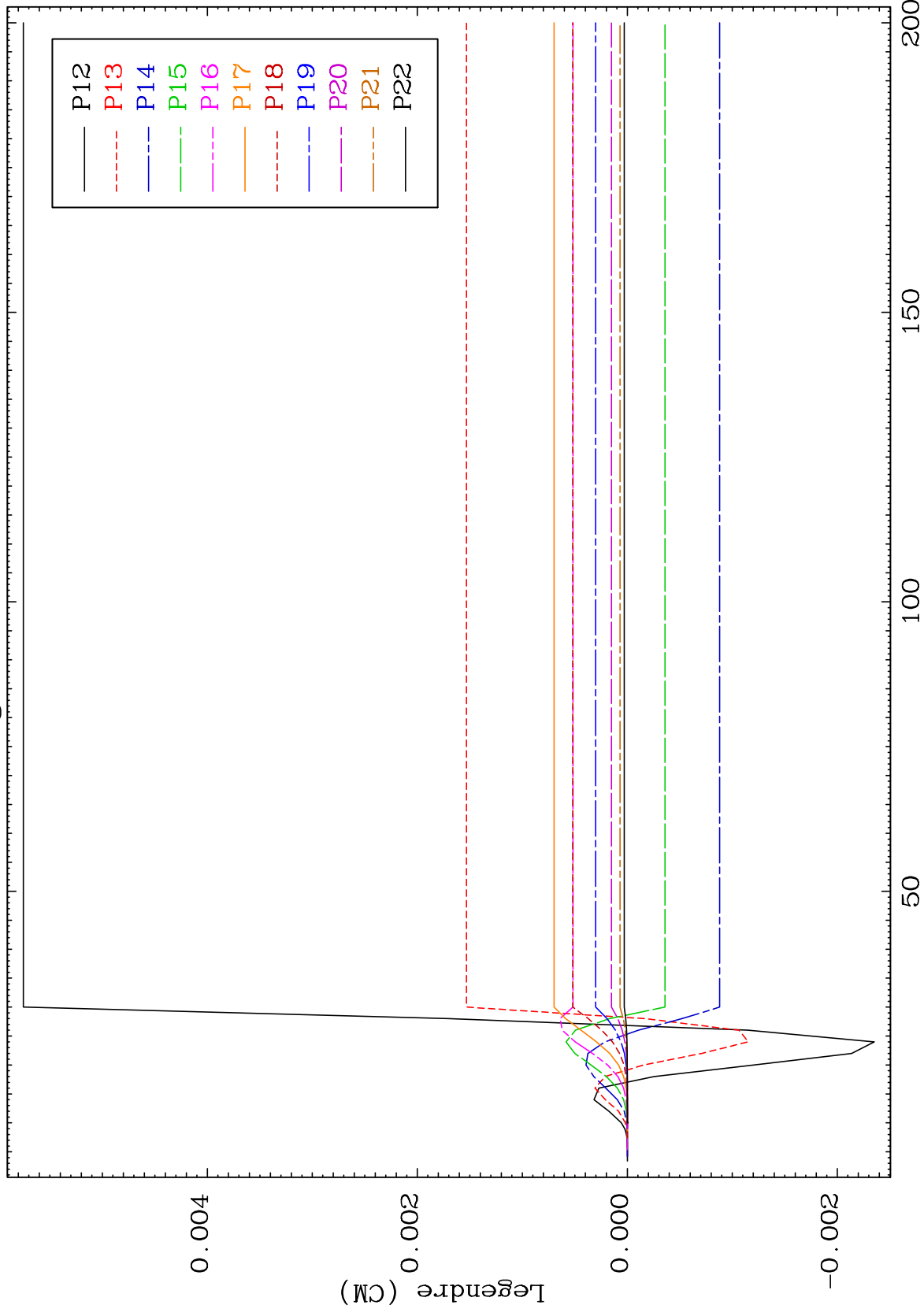
Incident Energy (MeV)

95

MAT 3131

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

31-Ga-71



96

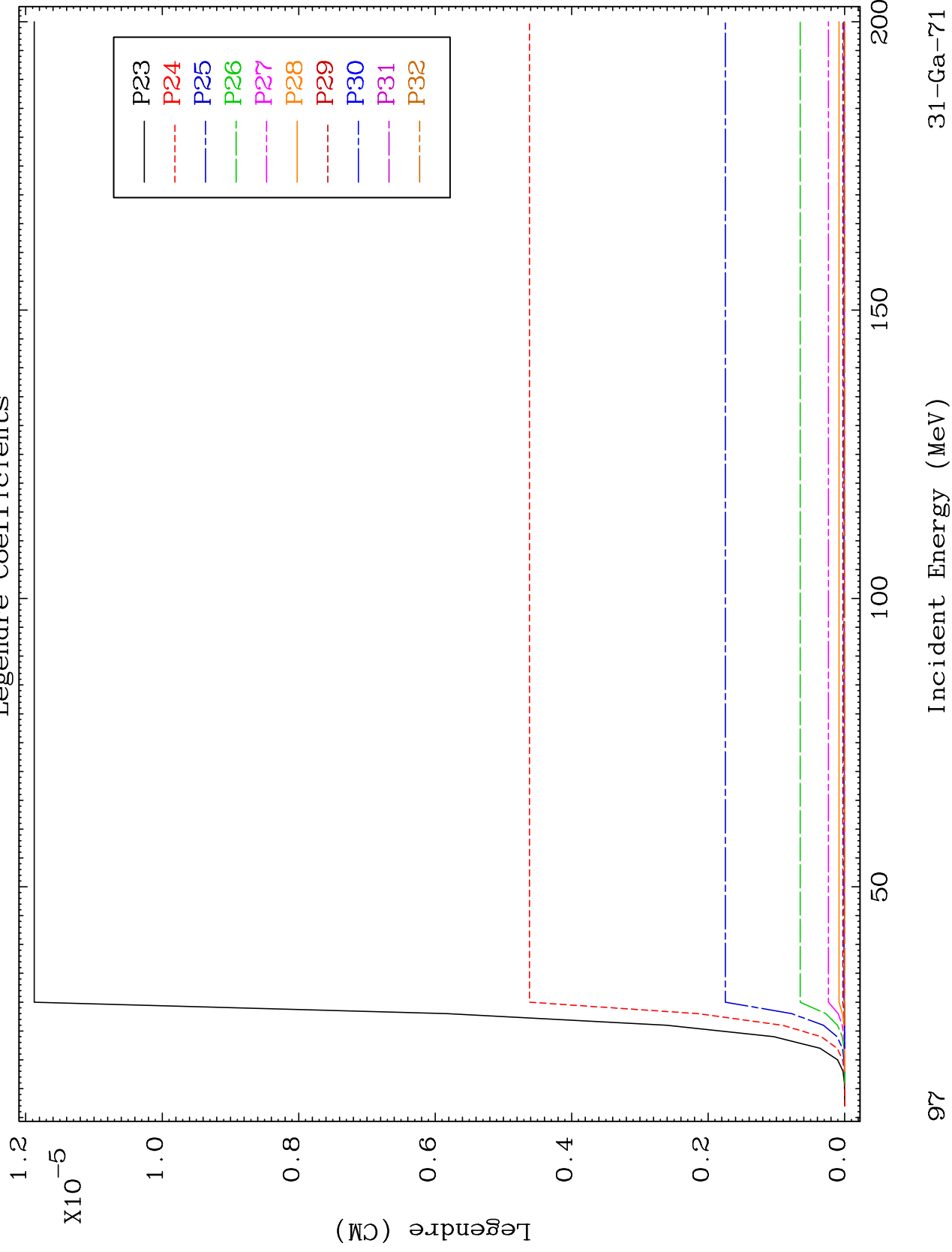
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

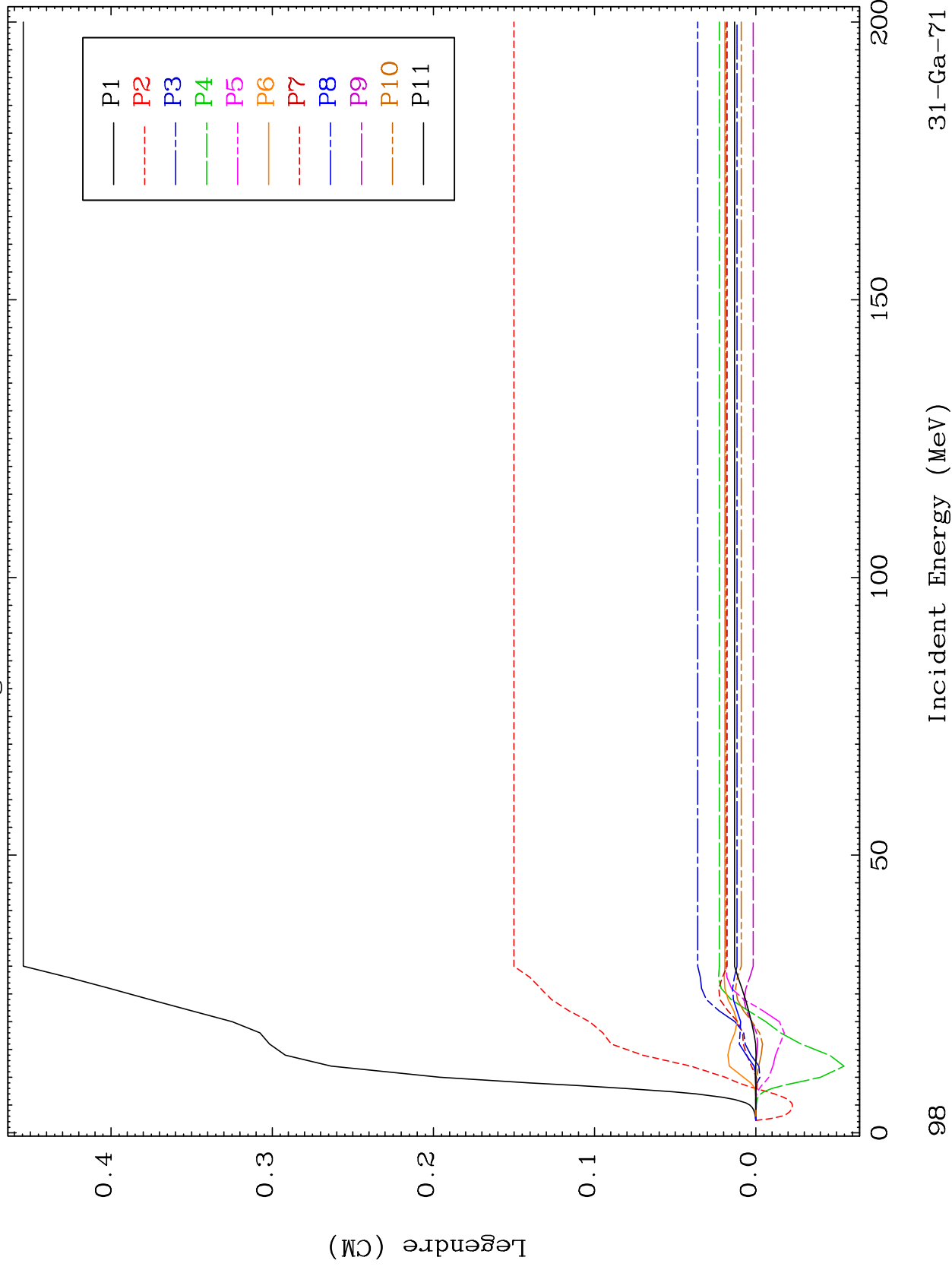
31-Ga-71



MAT 3131

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

31-Ga-71



98

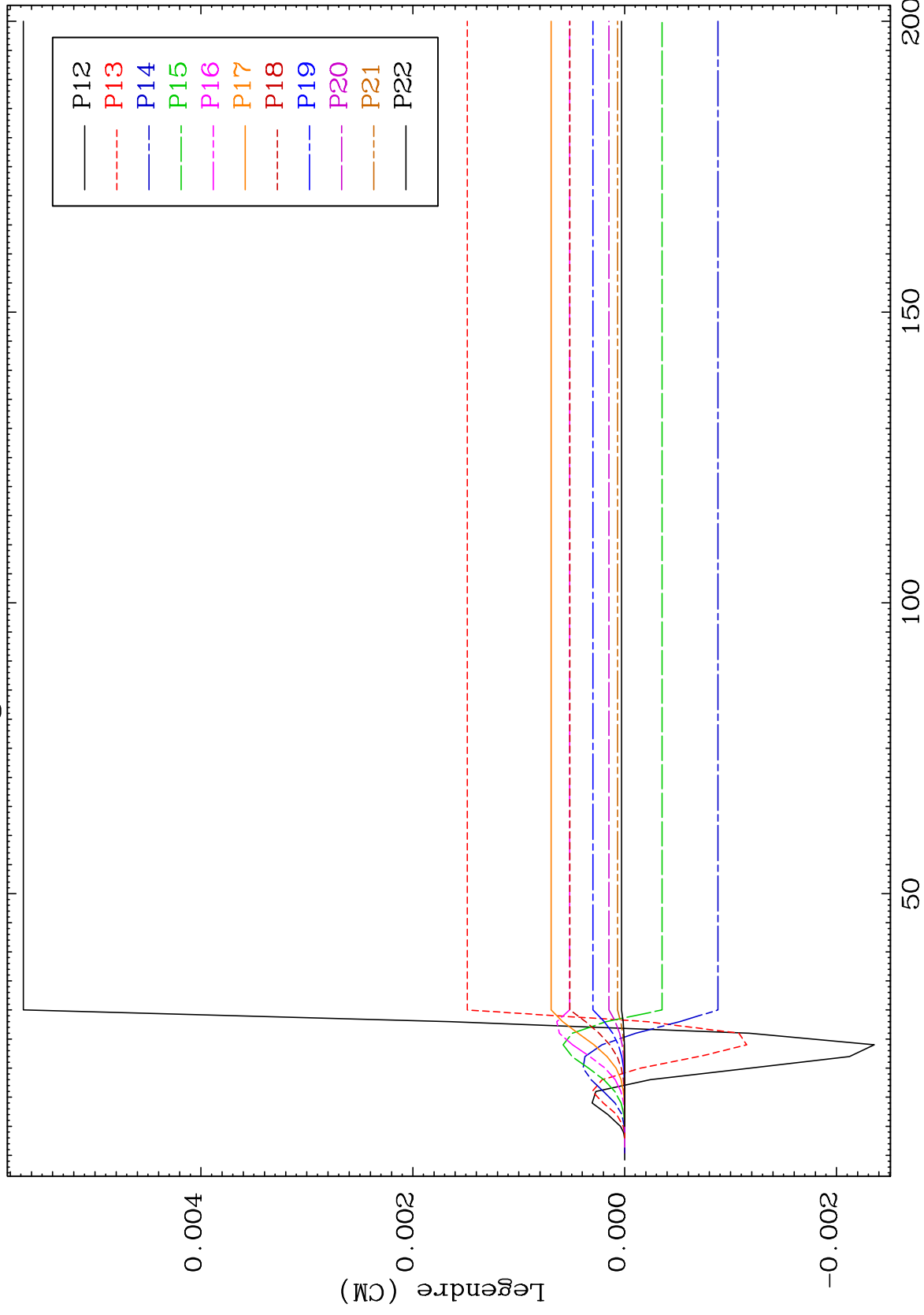
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

31-Ga-71



99

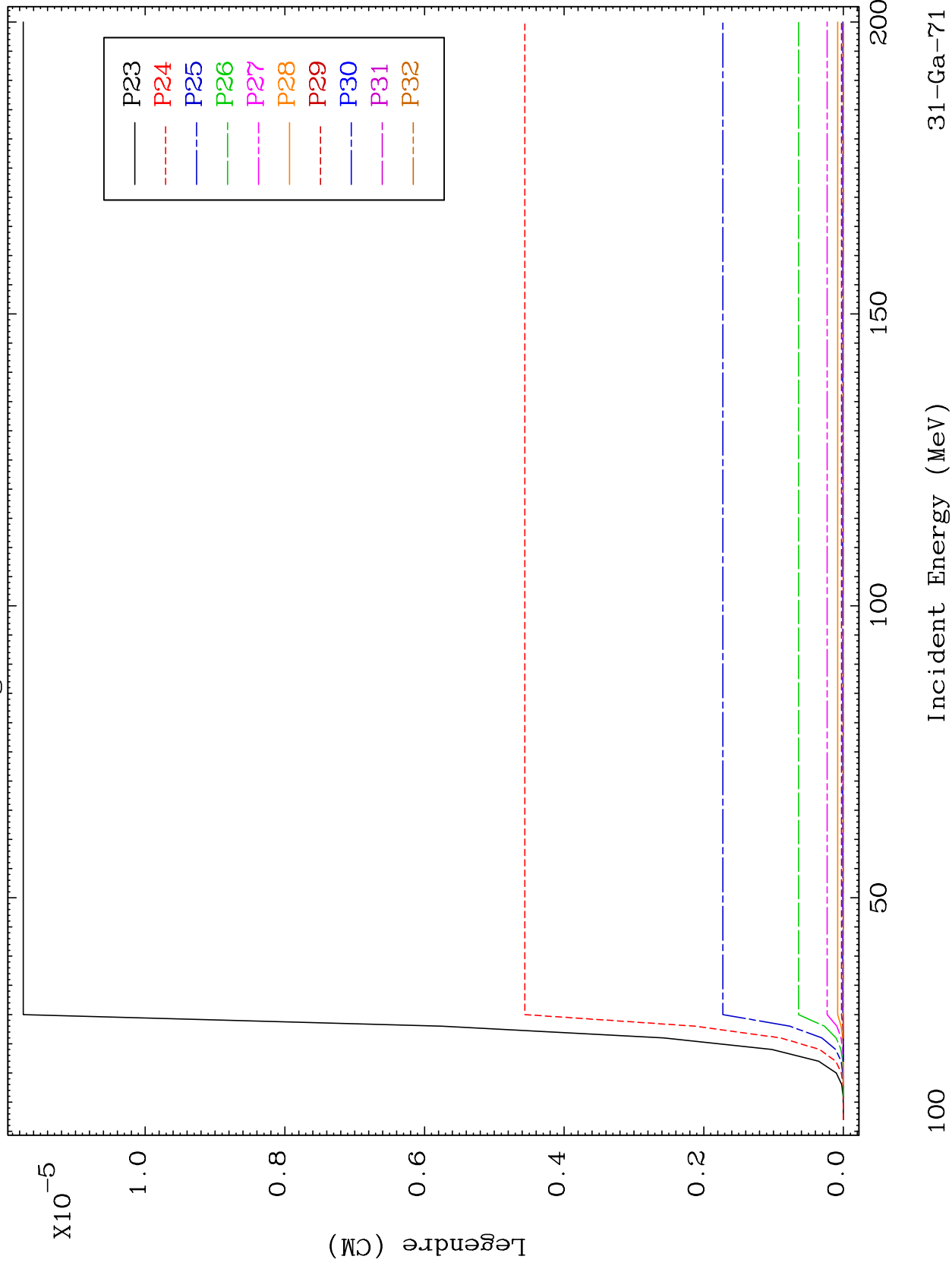
Incident Energy (MeV)

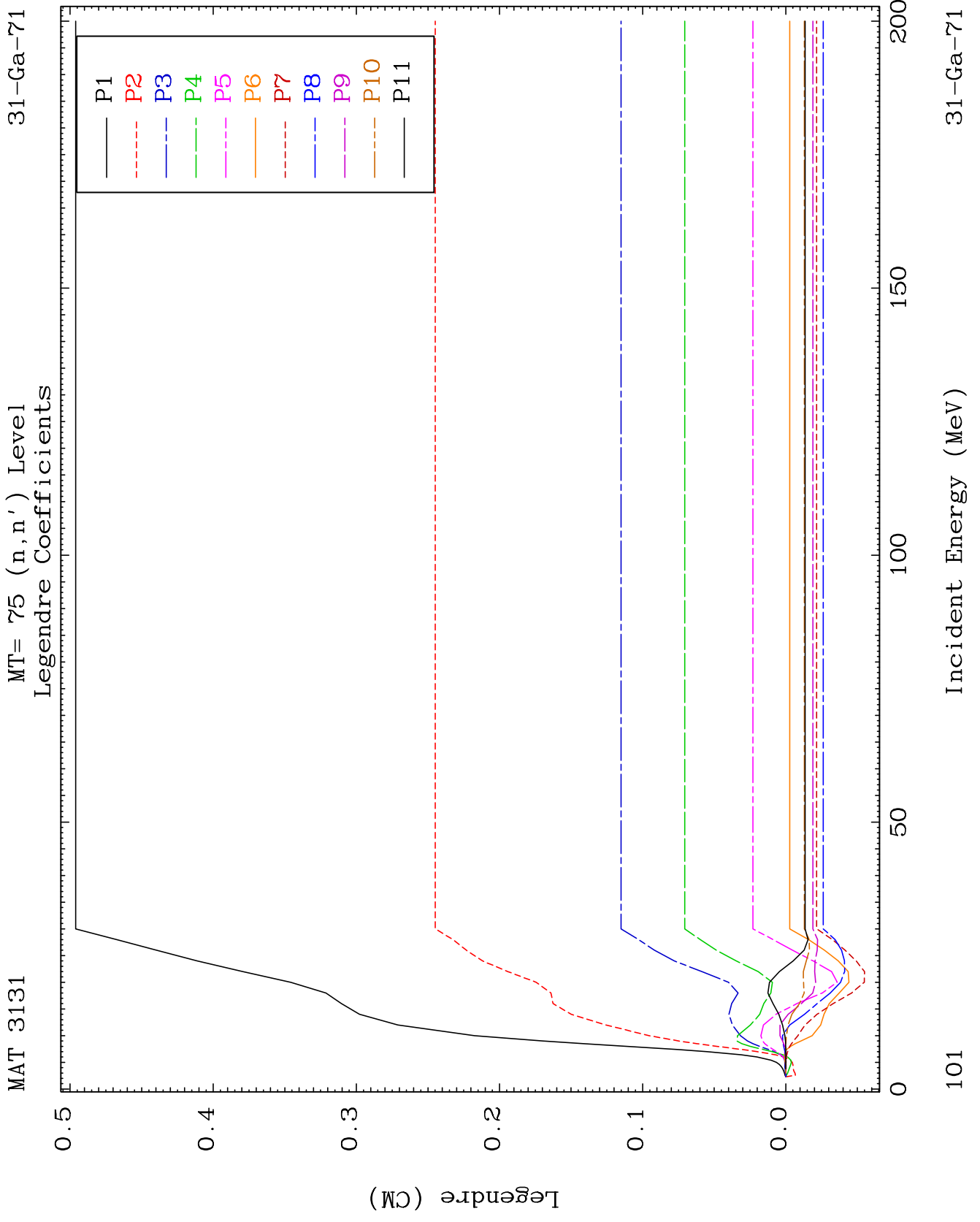
31-Ga-71

MAT 3131

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

31-Ga-71

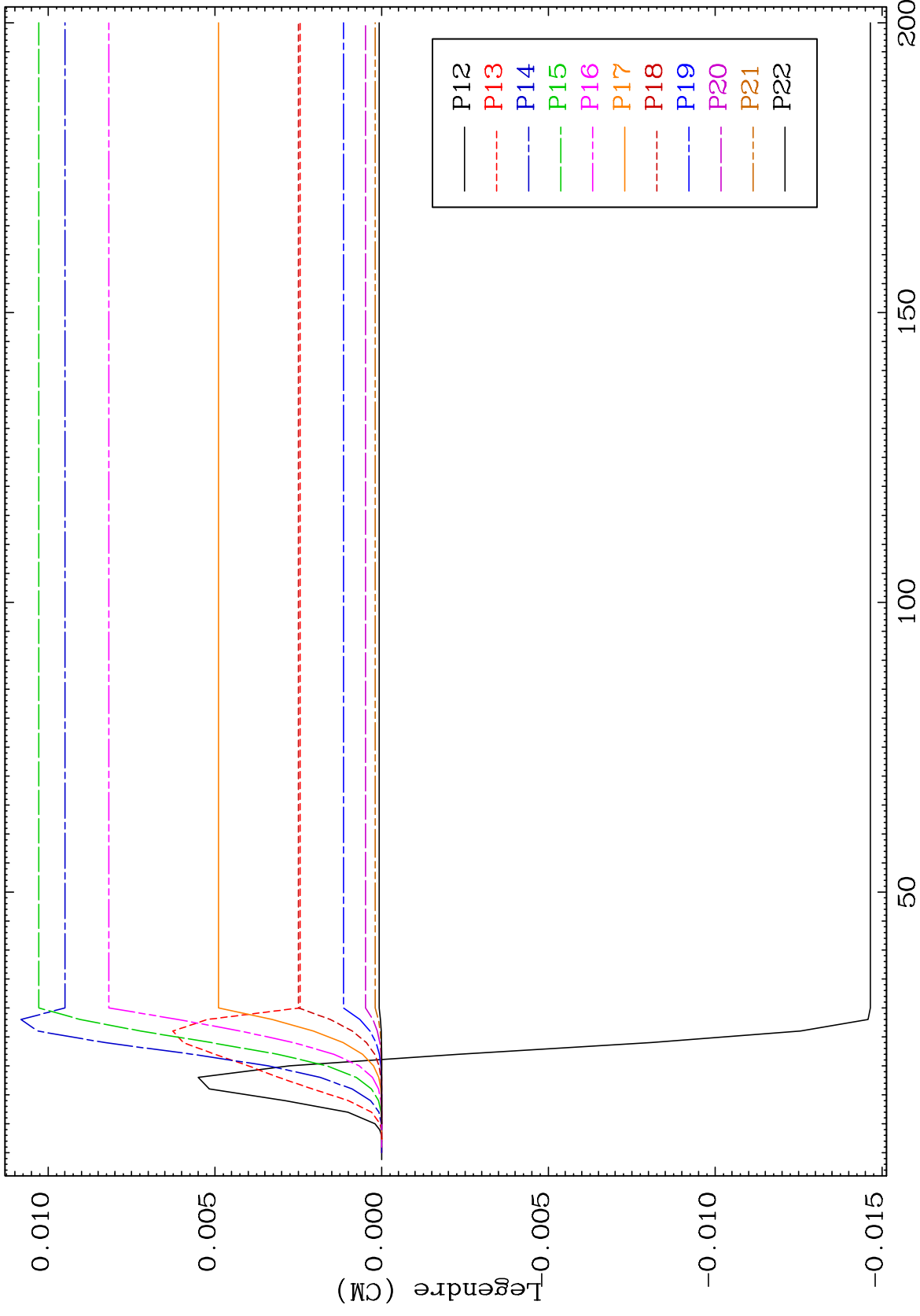




MAT 3131

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

31-Ga-71



102

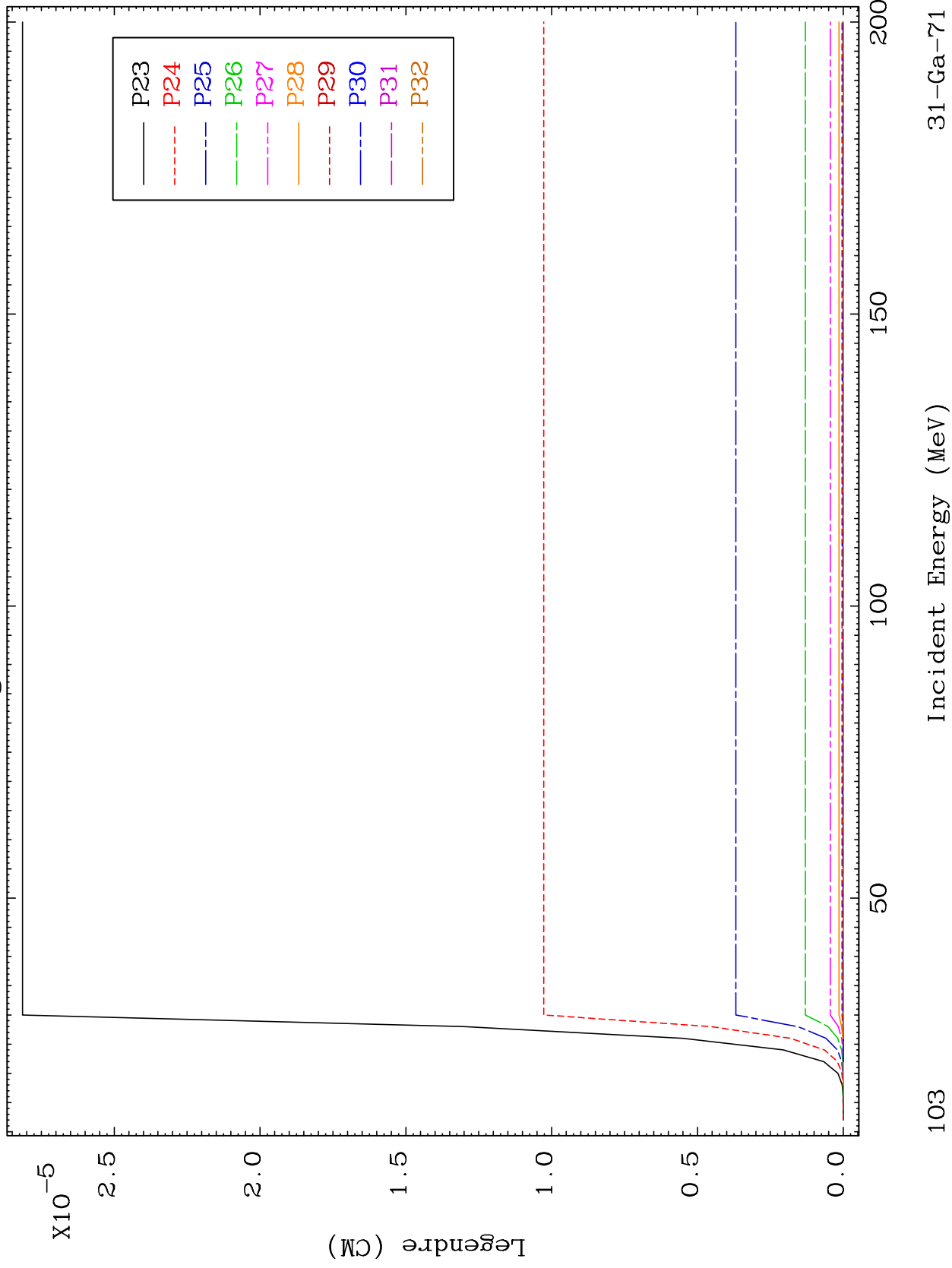
Incident Energy (MeV)

31-Ga-71

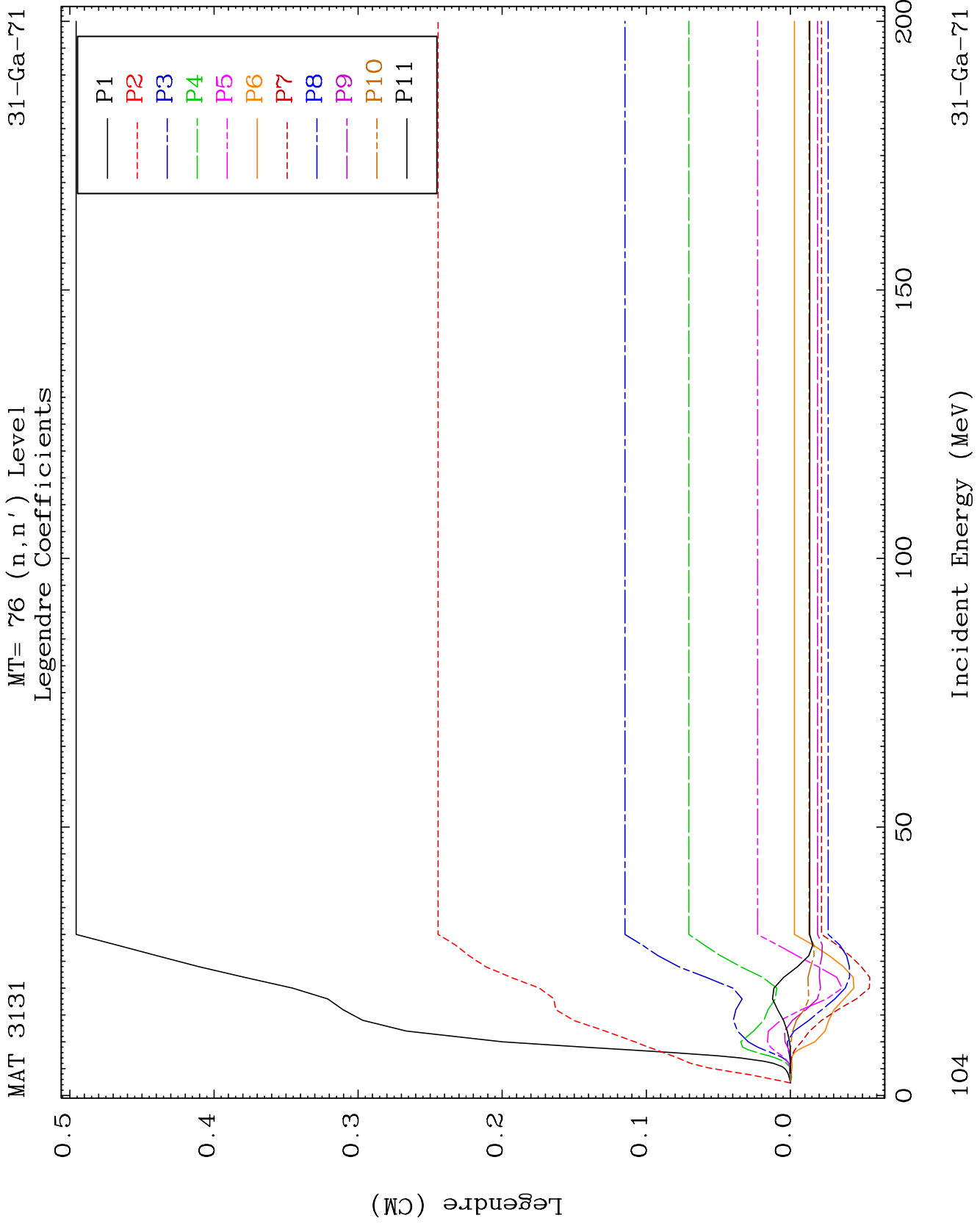
MAT 3131

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

31-Ga-71



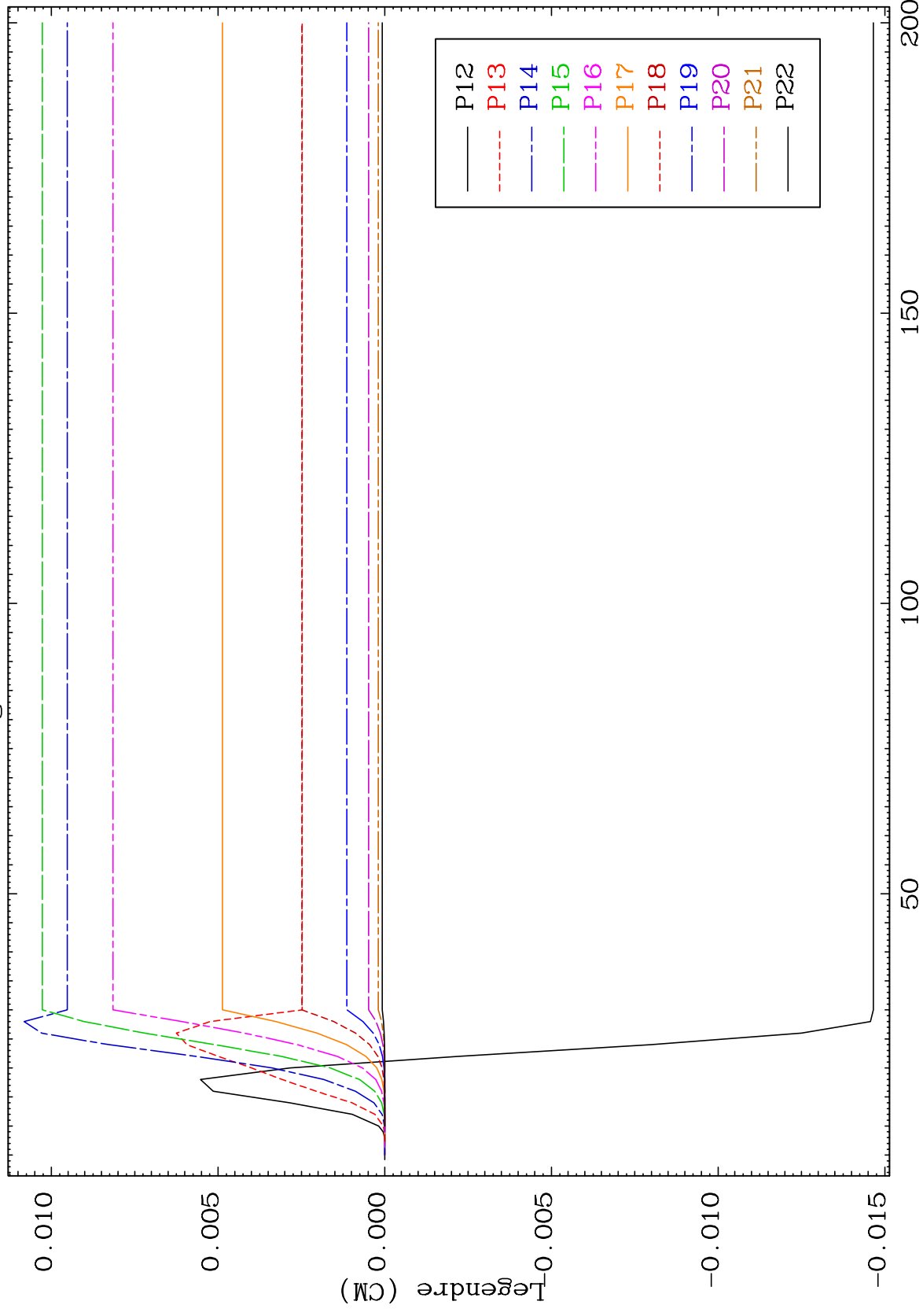
103



MAT 3131

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

31-Ga-71



105

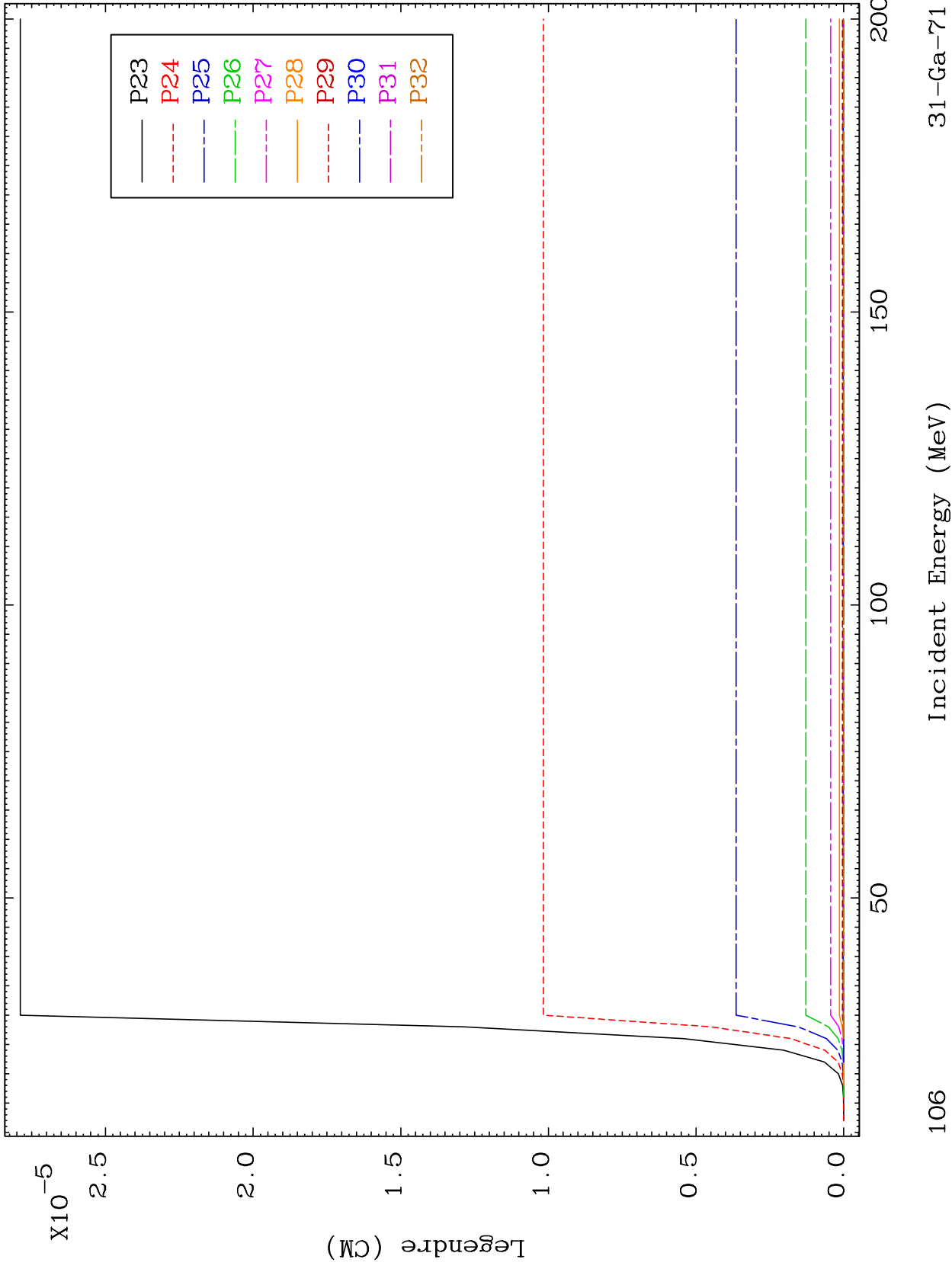
Incident Energy (MeV)

31-Ga-71

MAT 3131

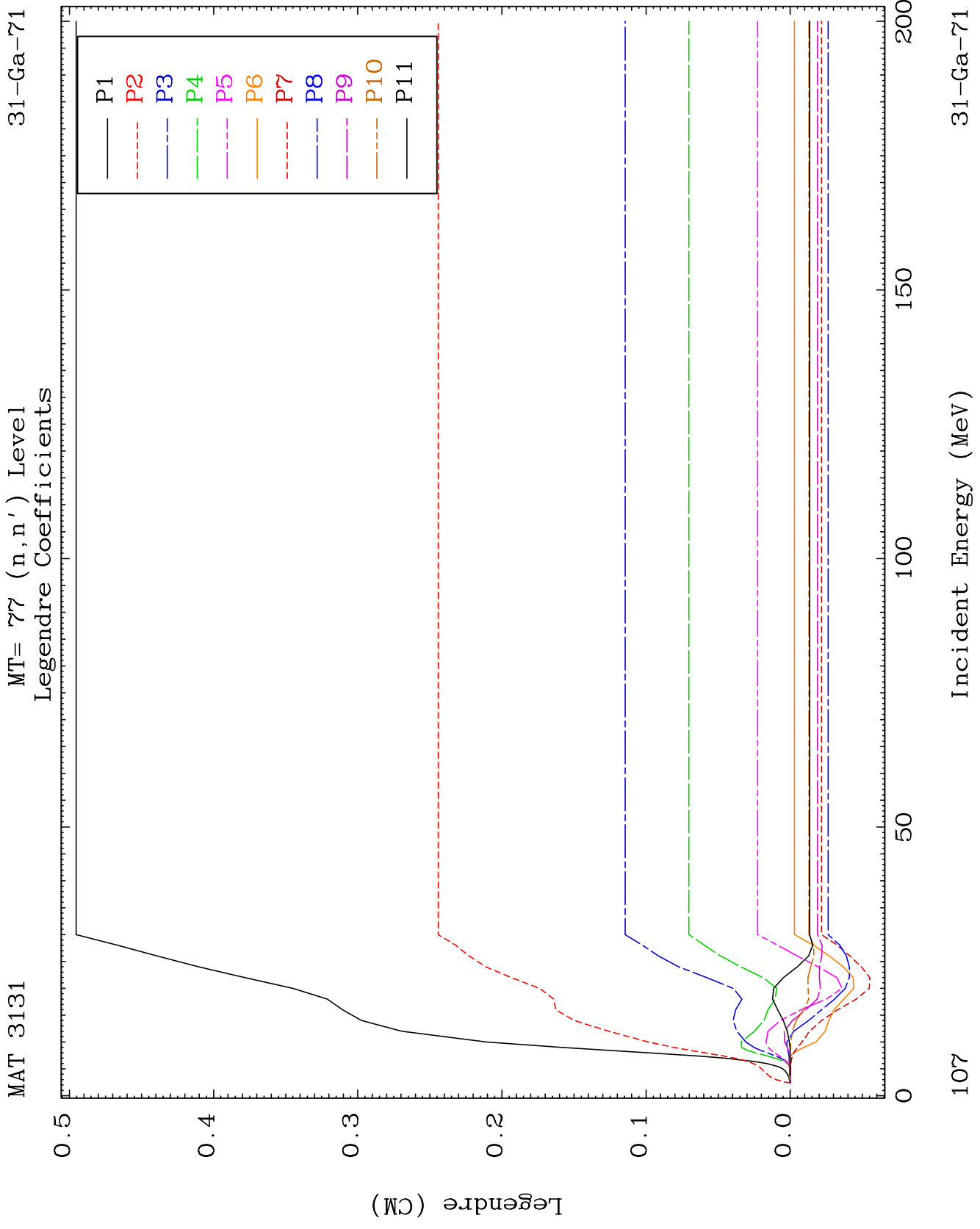
MT= 76 (n,n') Level
Legendre Coefficients

31-Ga-71



106

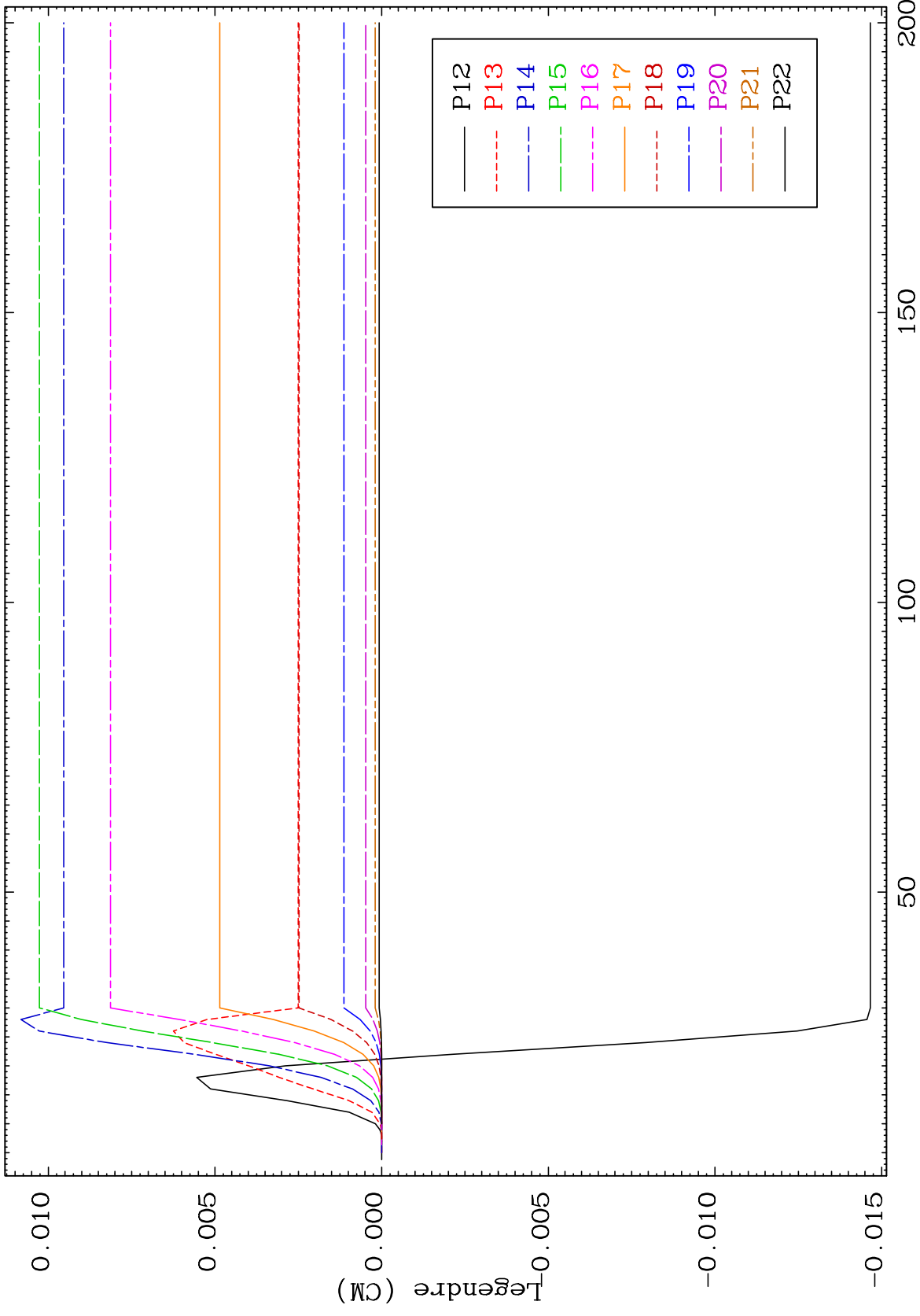
31-Ga-71



MAT 3131

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

31-Ga-71



108

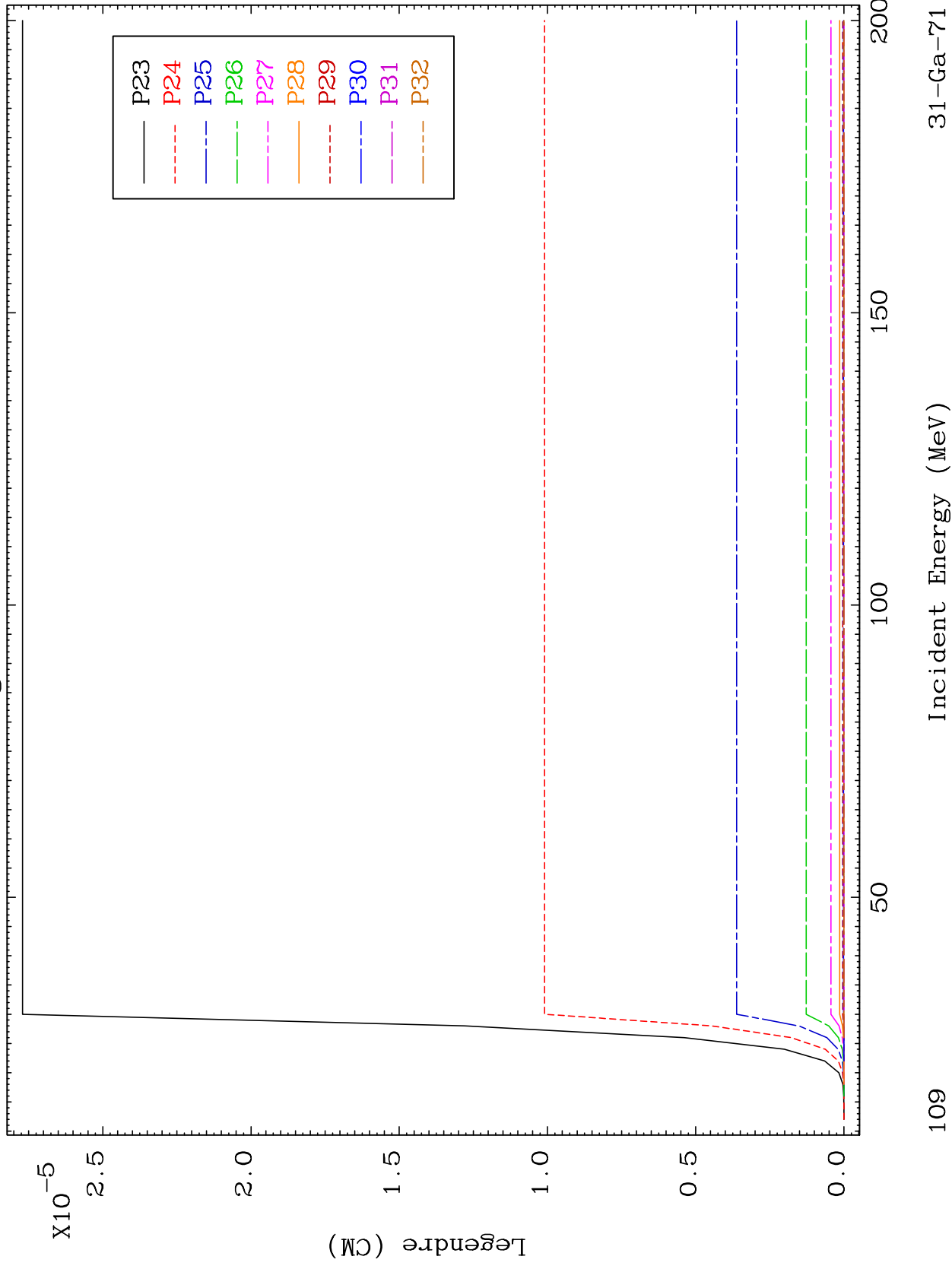
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

31-Ga-71



109

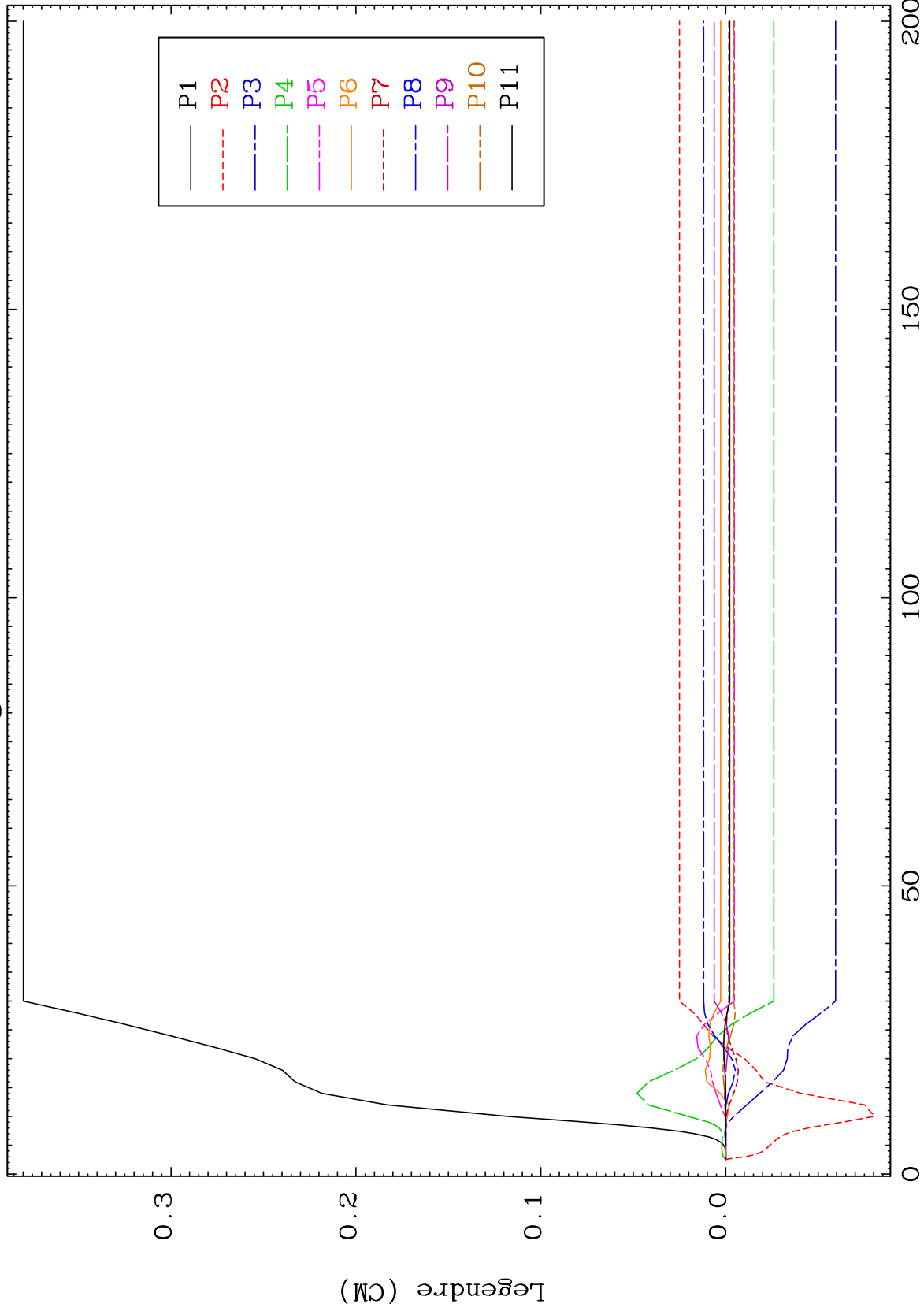
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

31-Ga-71



110

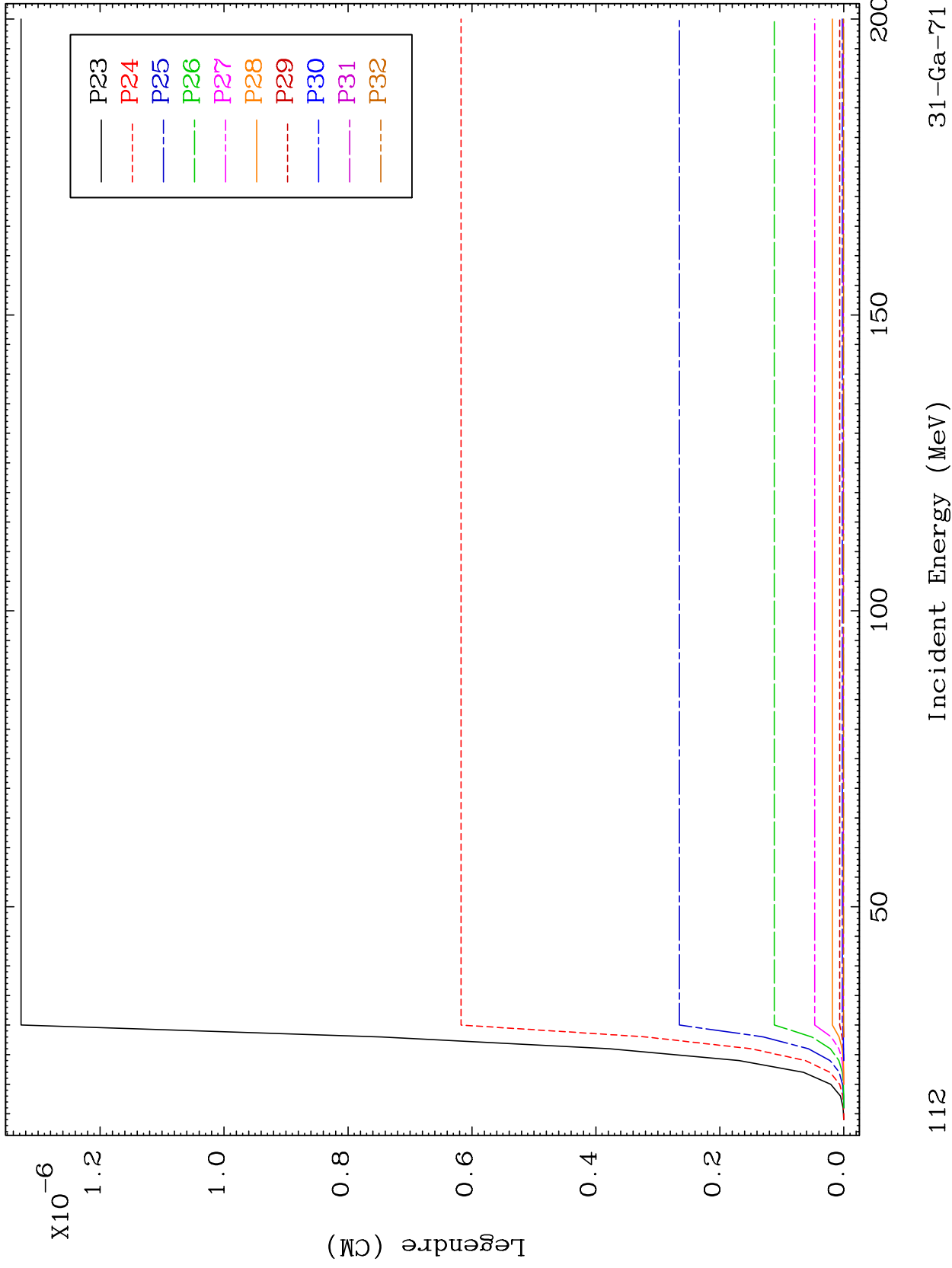
Incident Energy (MeV)

31-Ga-71

MAT 3131

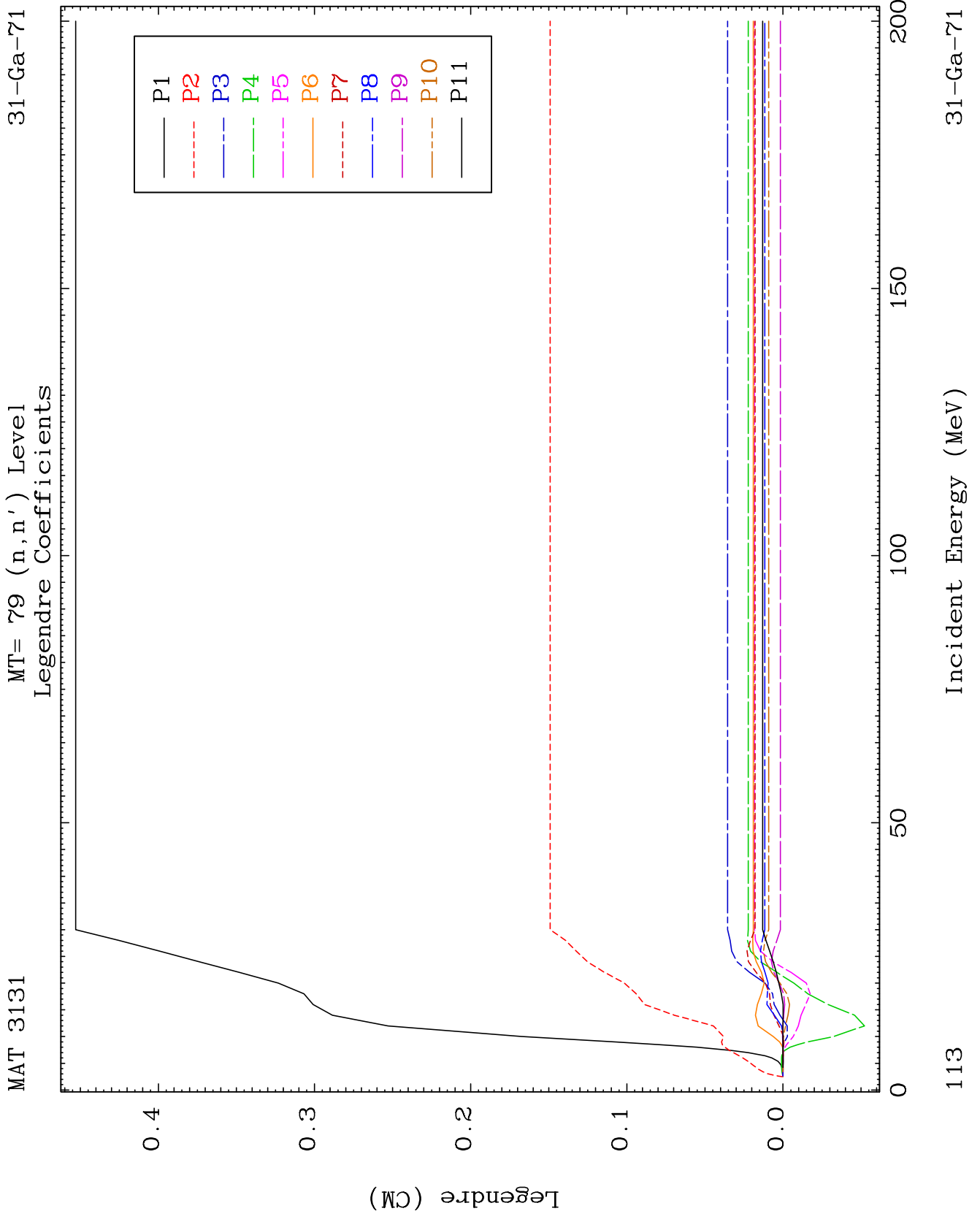
MT= 78 (n,n') Level
Legendre Coefficients

31-Ga-71



112

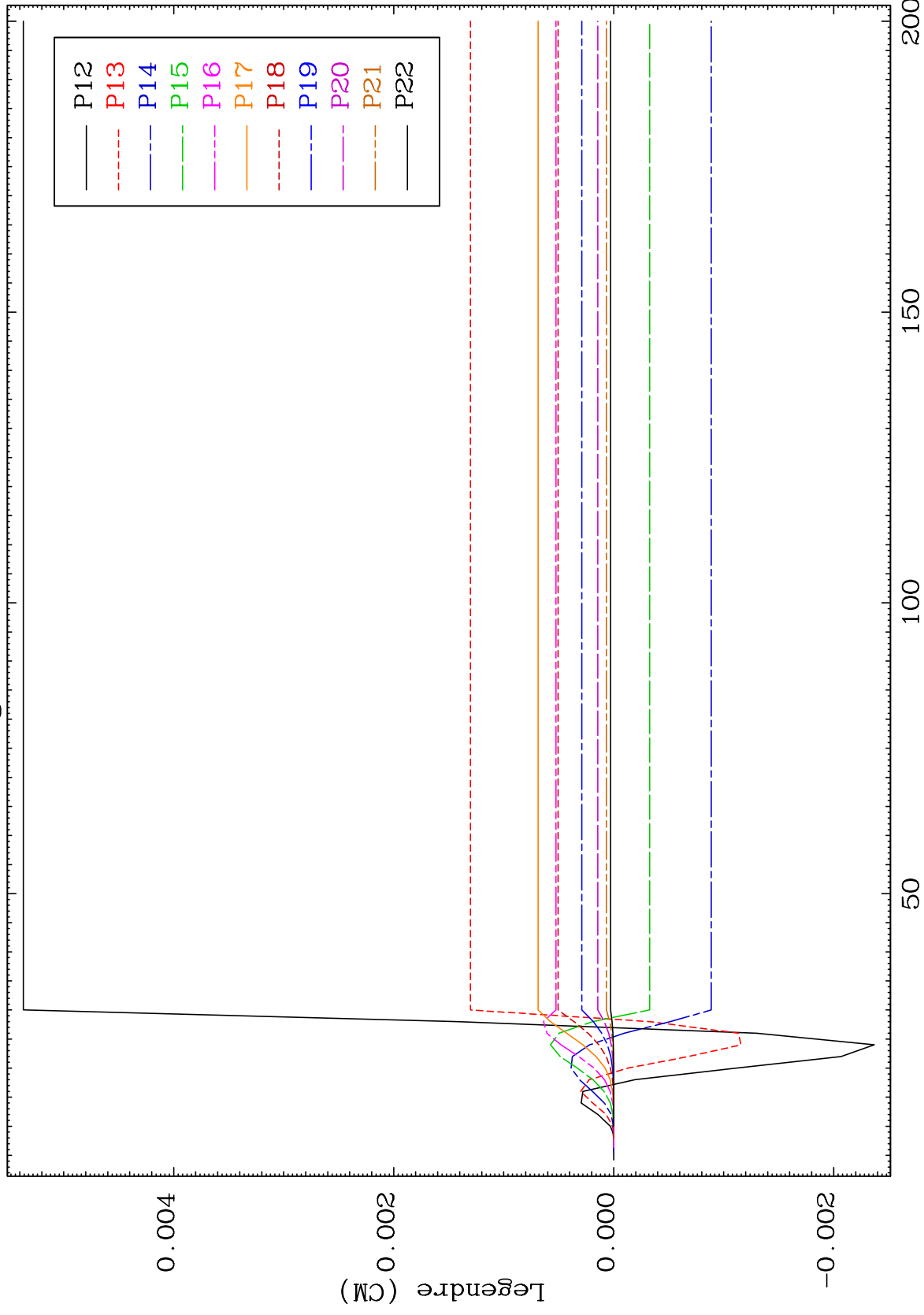
31-Ga-71



MAT 3131

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

31-Ga-71



114

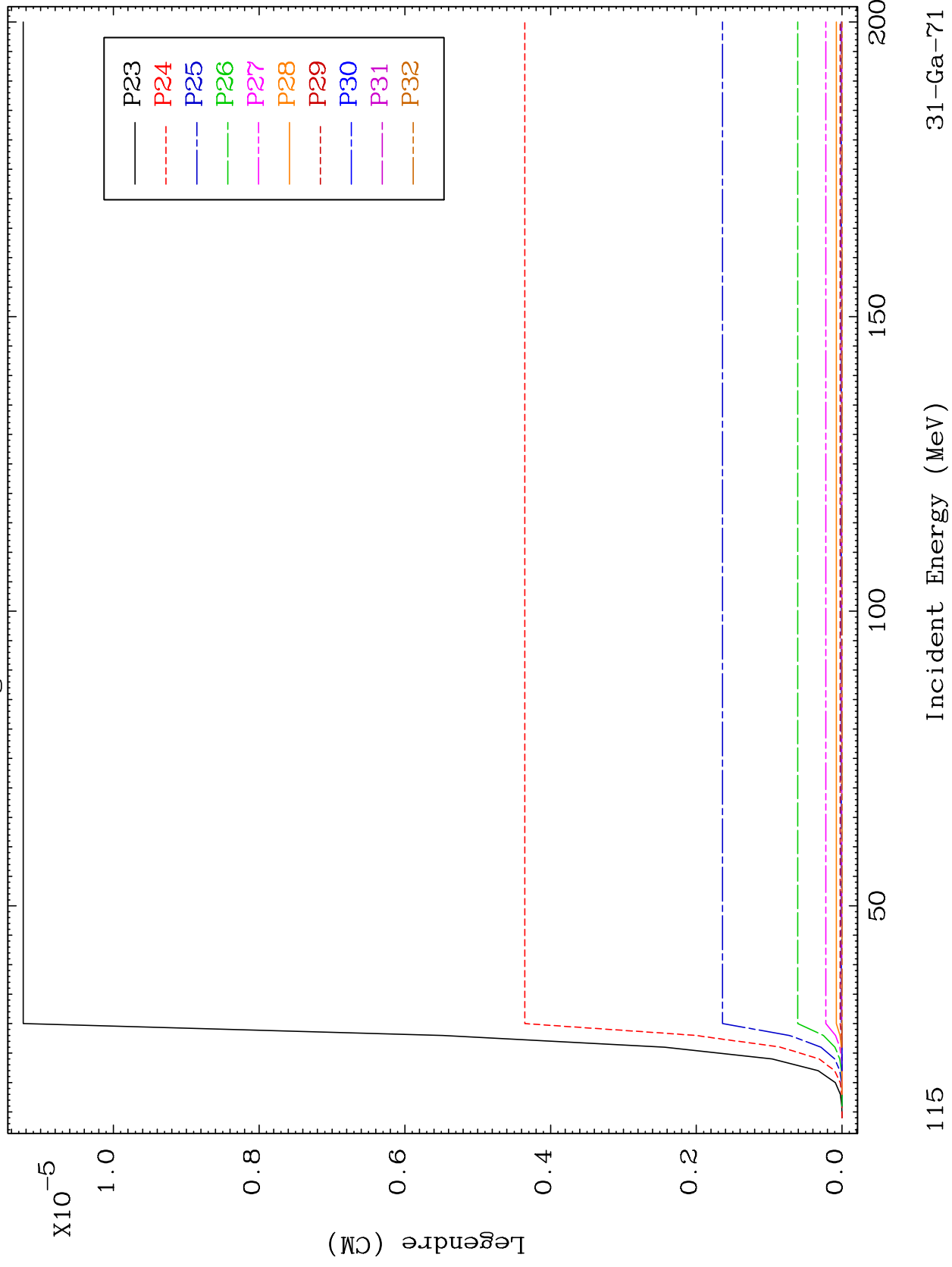
Incident Energy (MeV)

31-Ga-71

MAT 3131

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

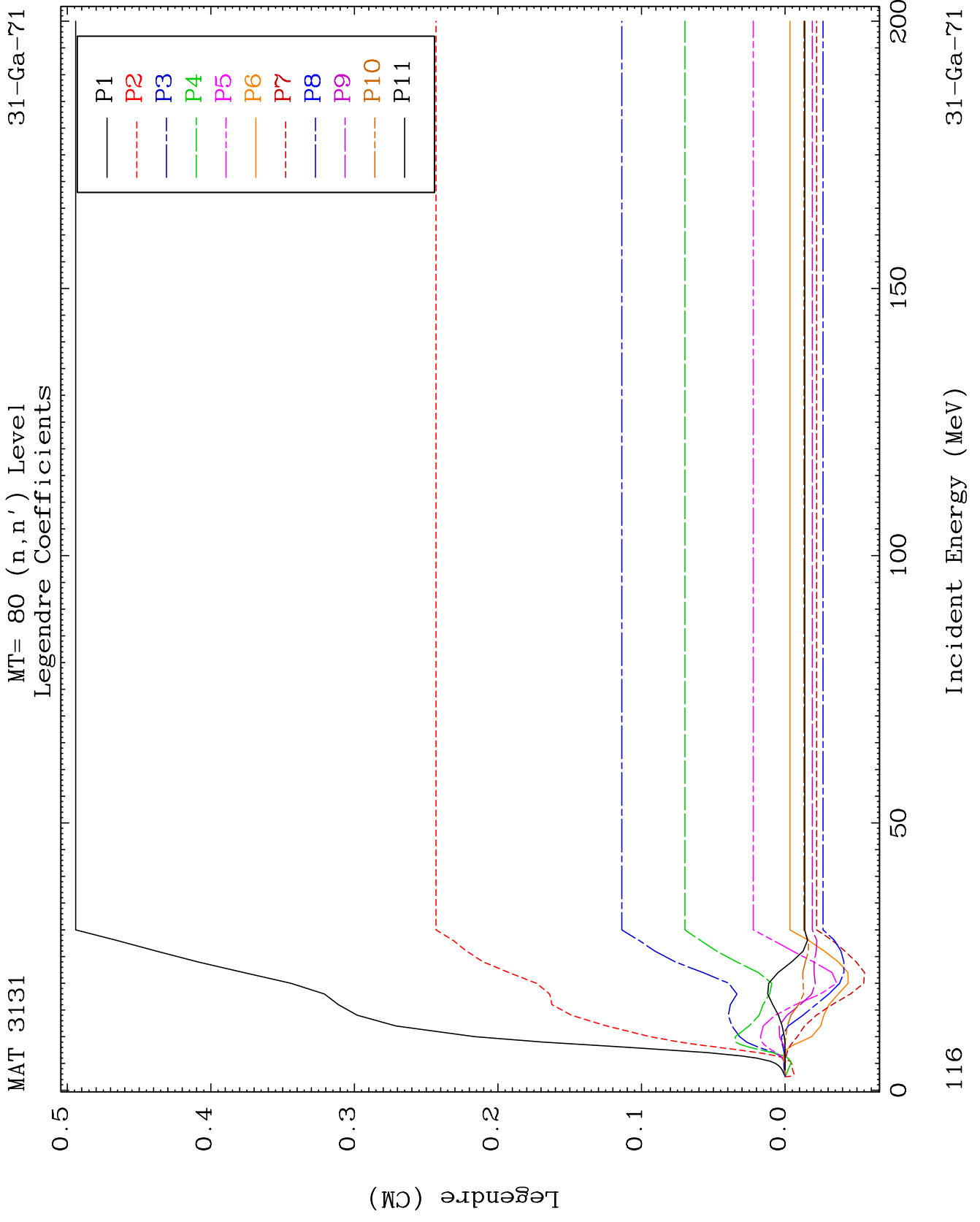
31-Ga-71

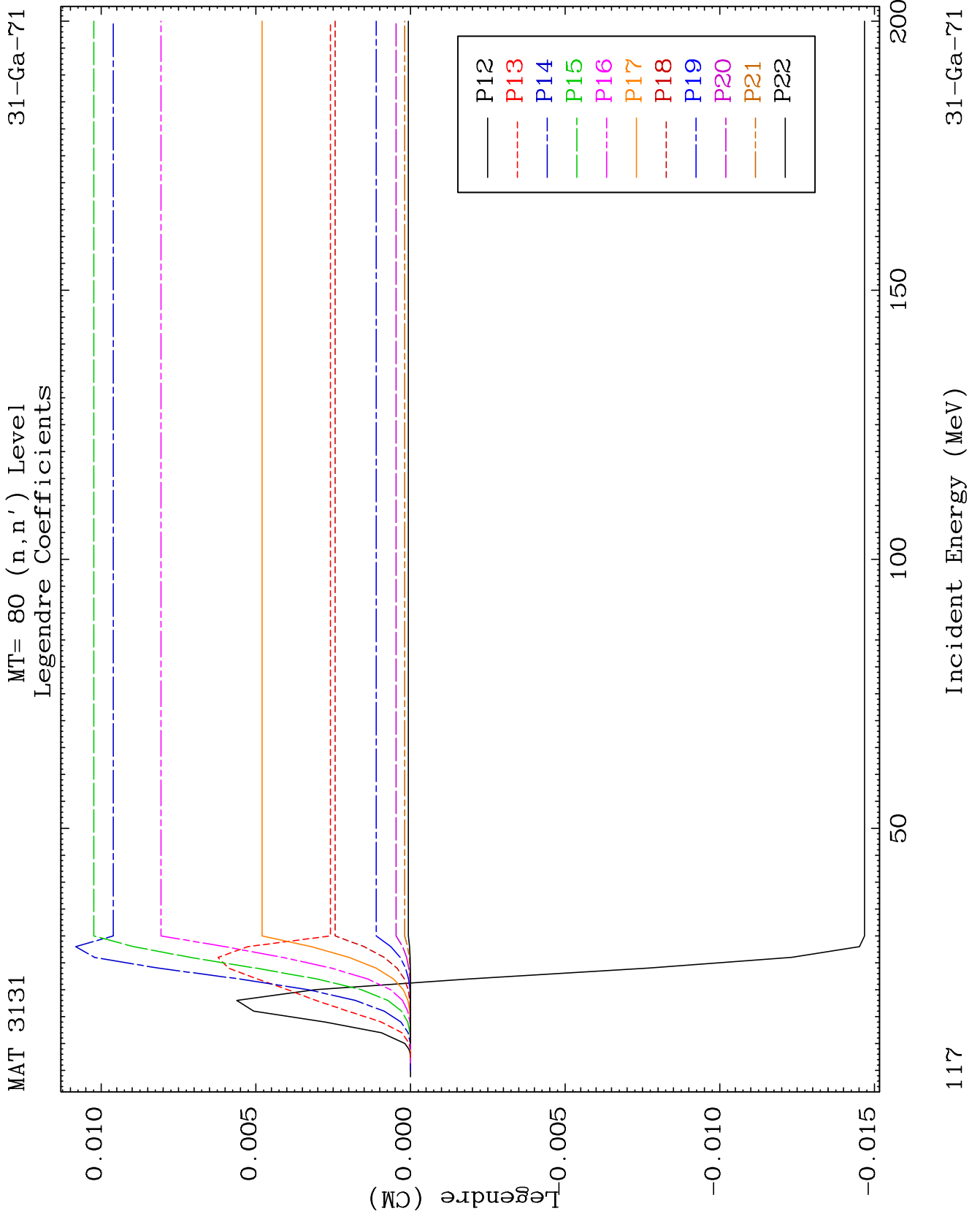


115

Incident Energy (MeV)

31-Ga-71

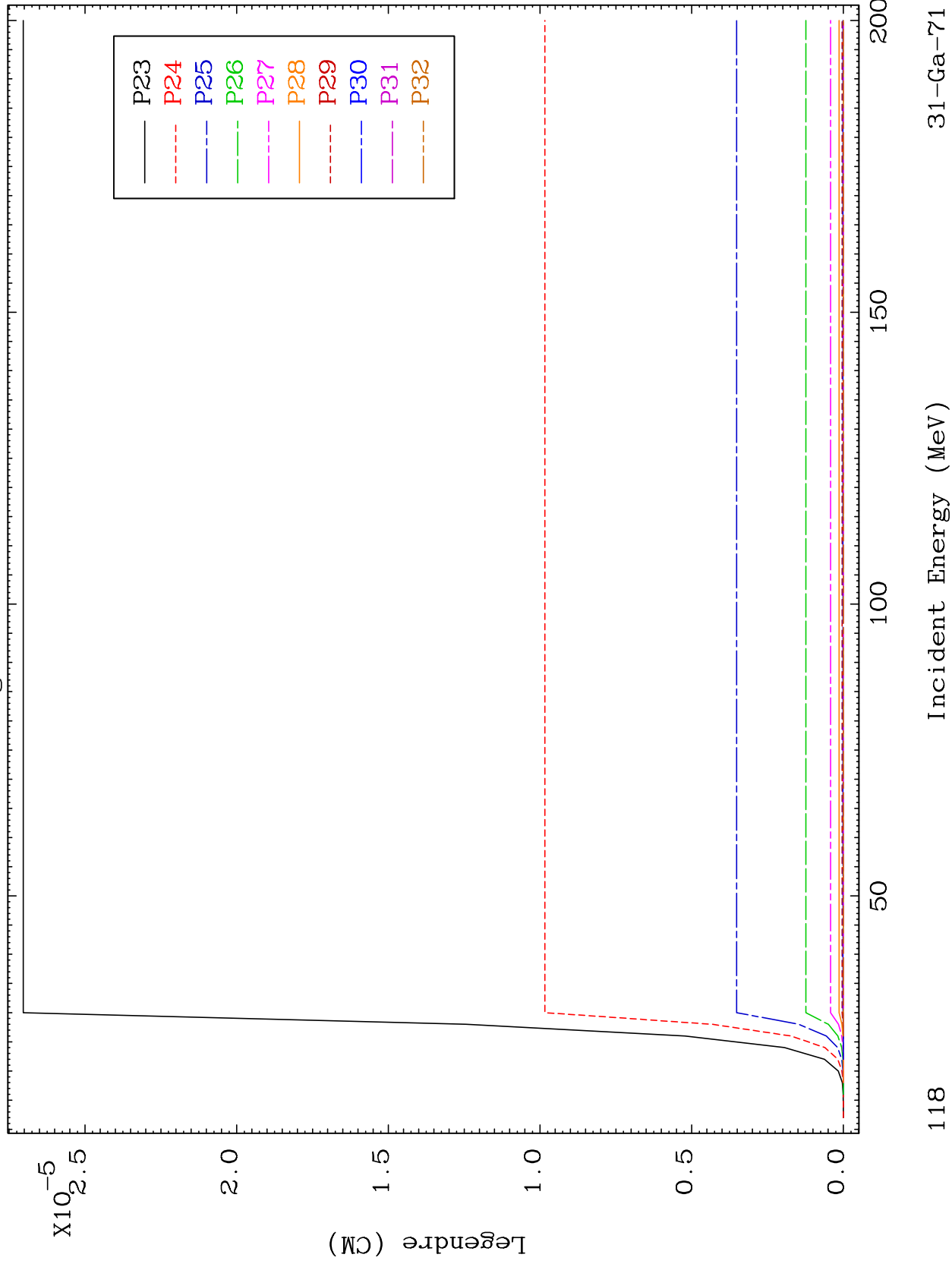




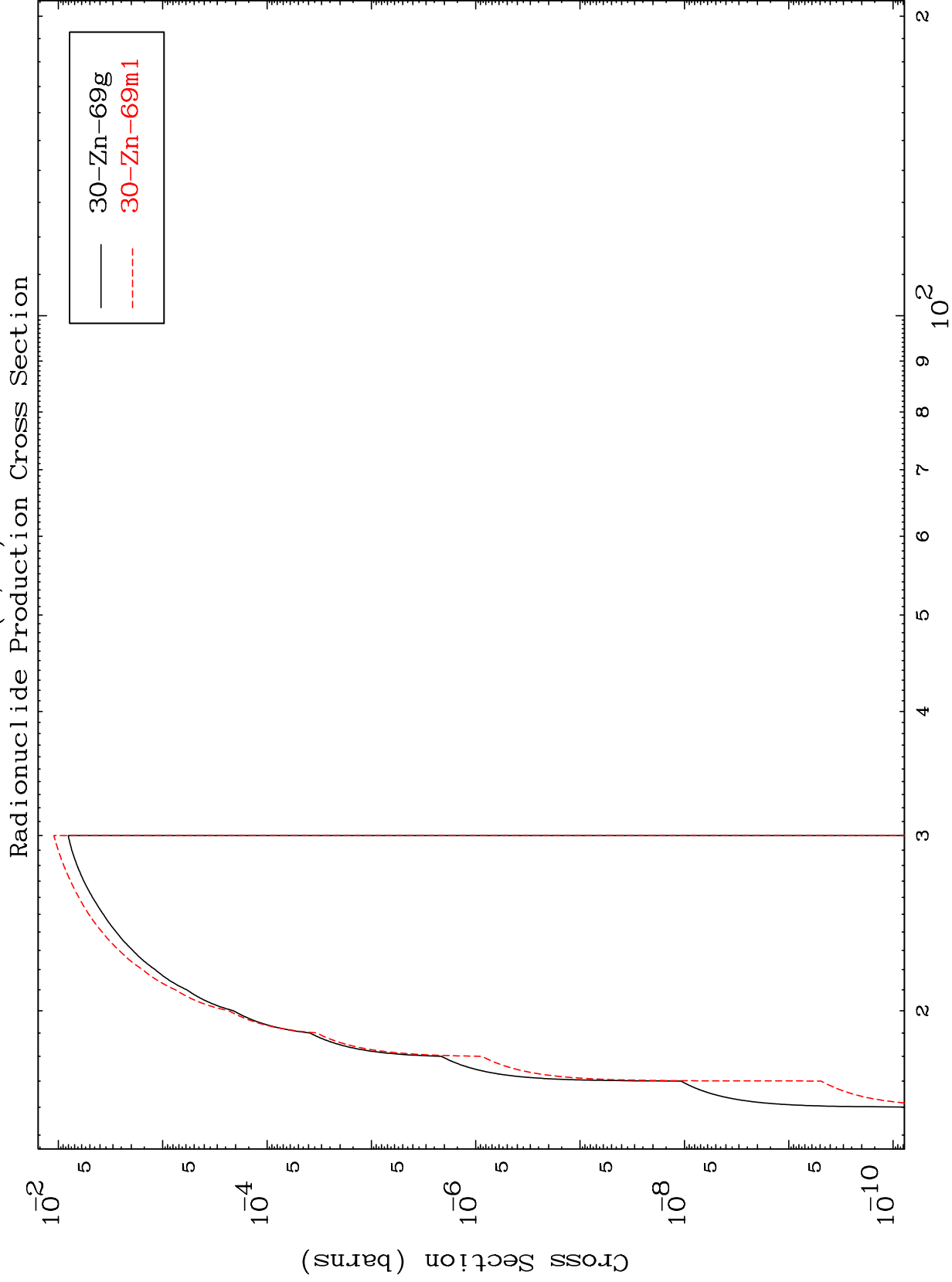
MAT 3131

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

31-Ga-71



118

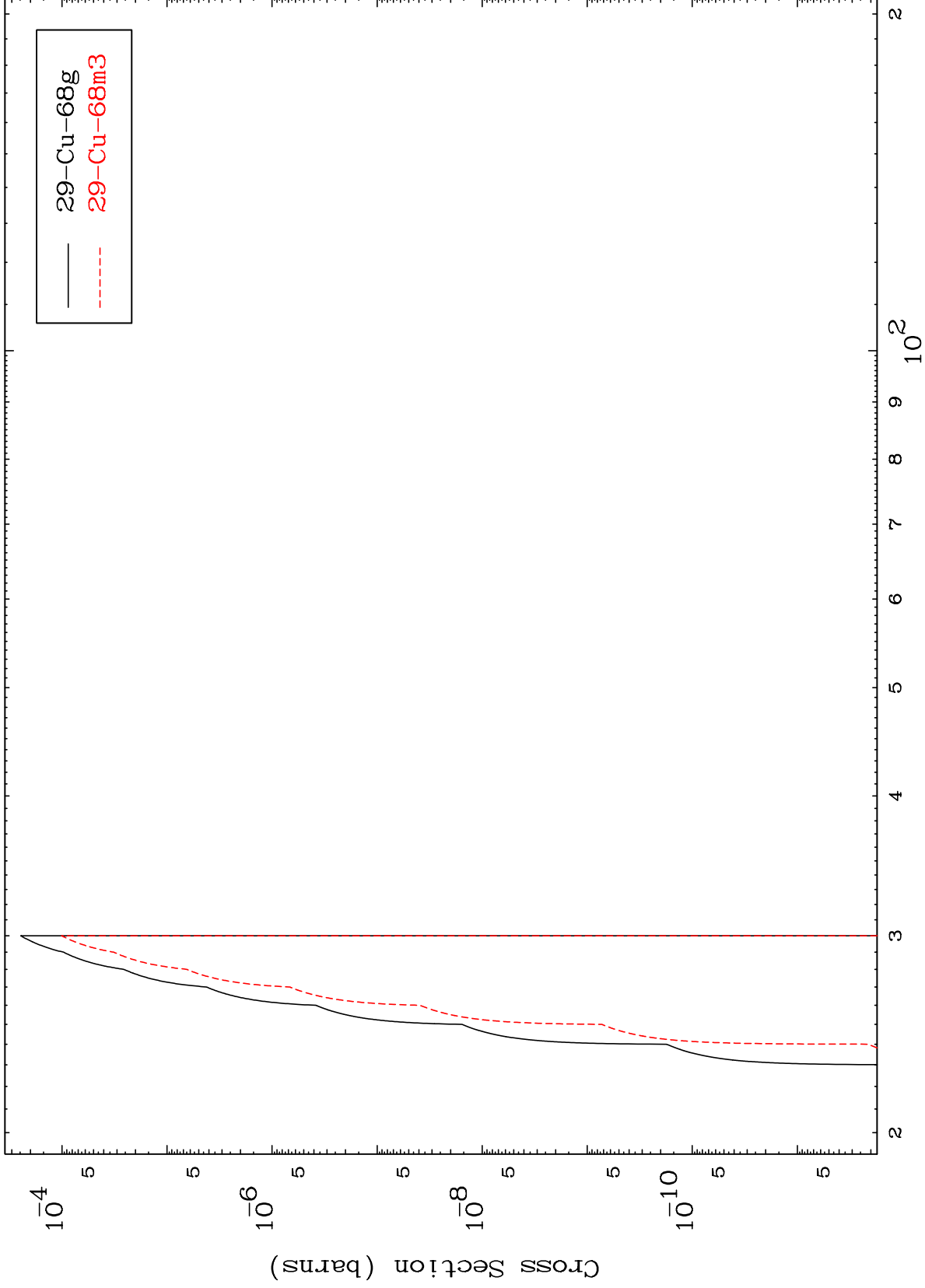


MAT 3131

(n,n') He-3

31-Ga-71

Radionuclide Production Cross Section



120

Incident Energy (MeV)

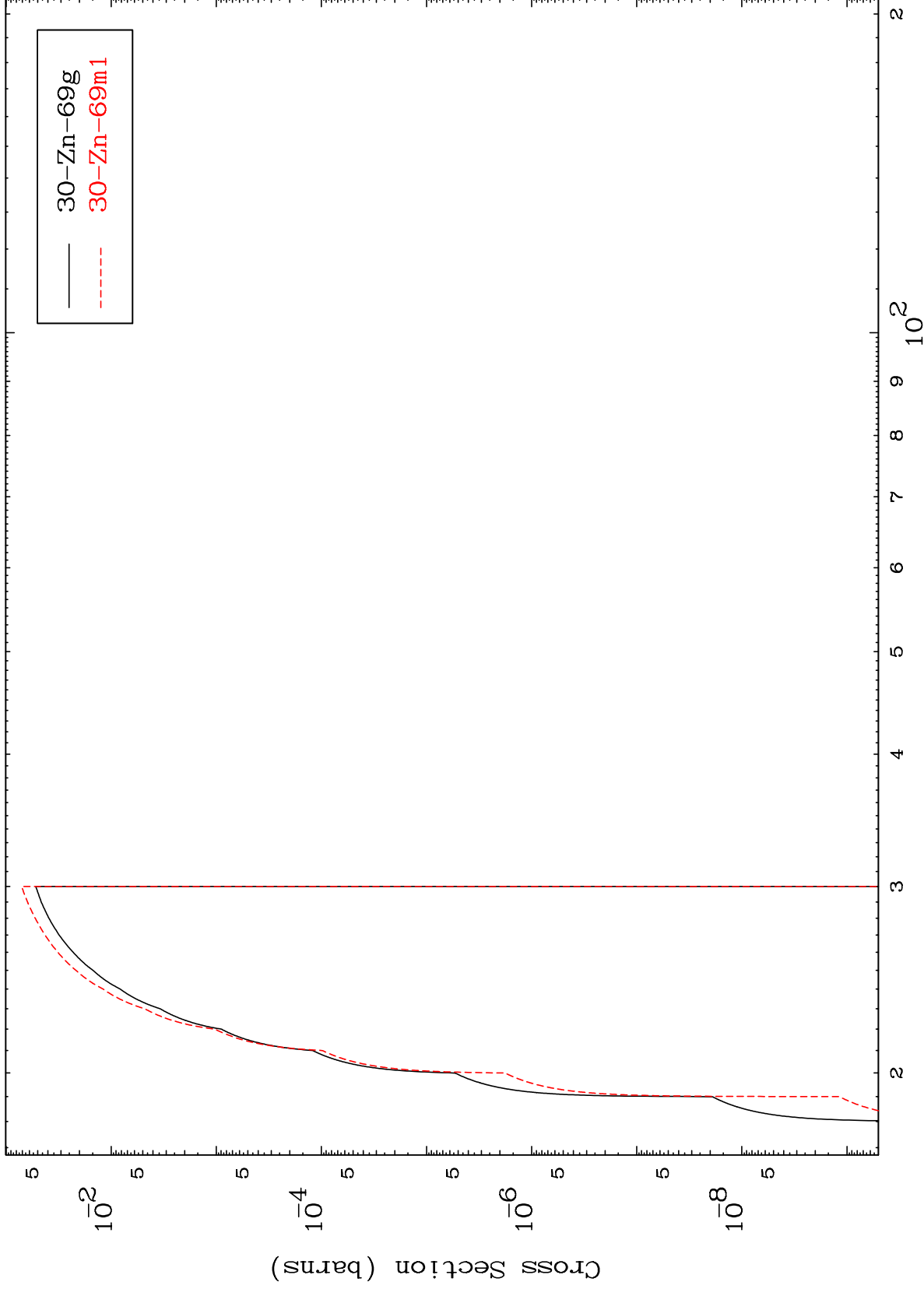
31-Ga-71

MAT 3131

(n,2n) p

31-Ga-71

Radionuclide Production Cross Section



121

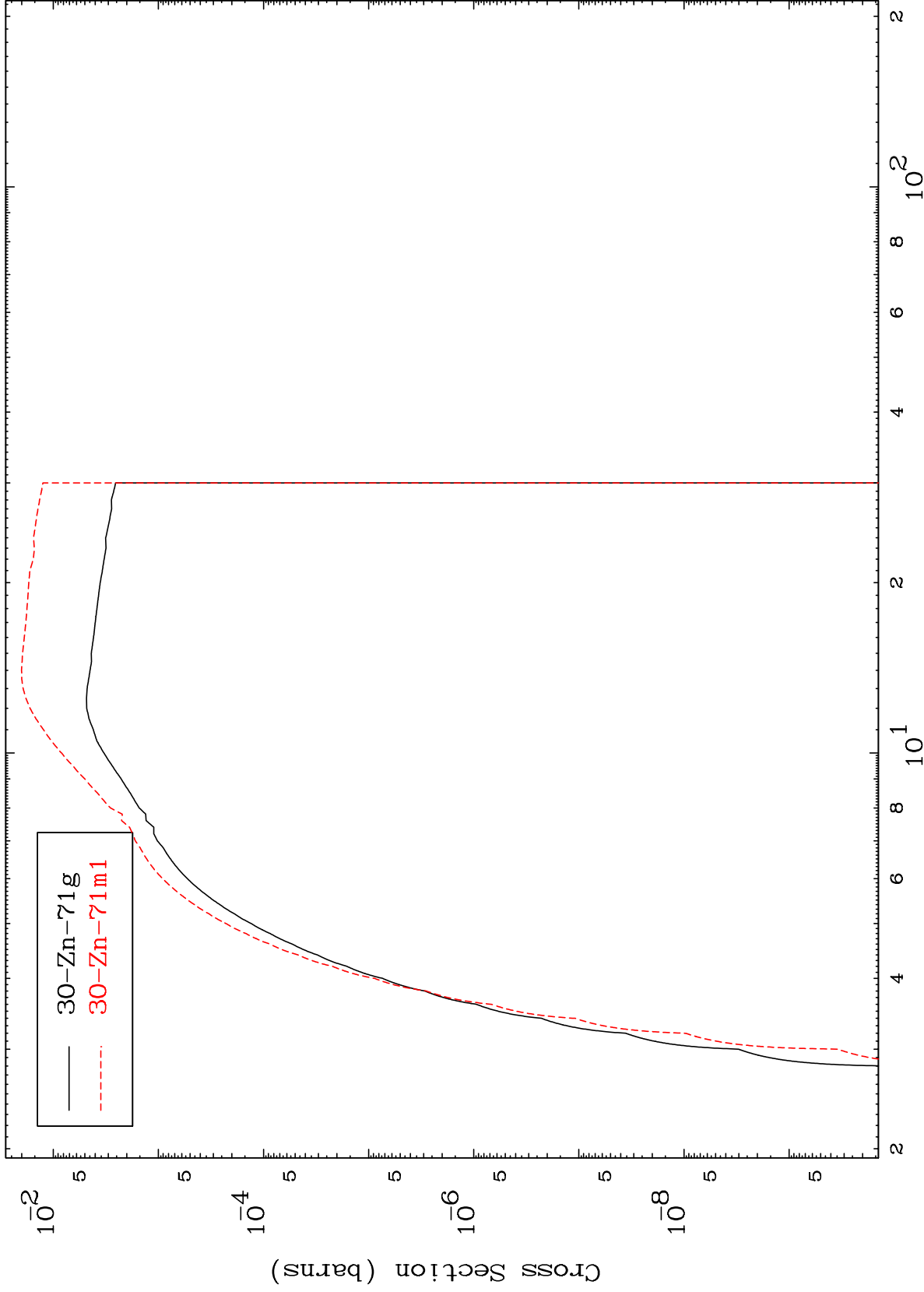
Incident Energy (MeV)

31-Ga-71

MAT 3131

³¹Ga-71

Radionuclide Production Cross Section (n,p)



³¹Ga-71

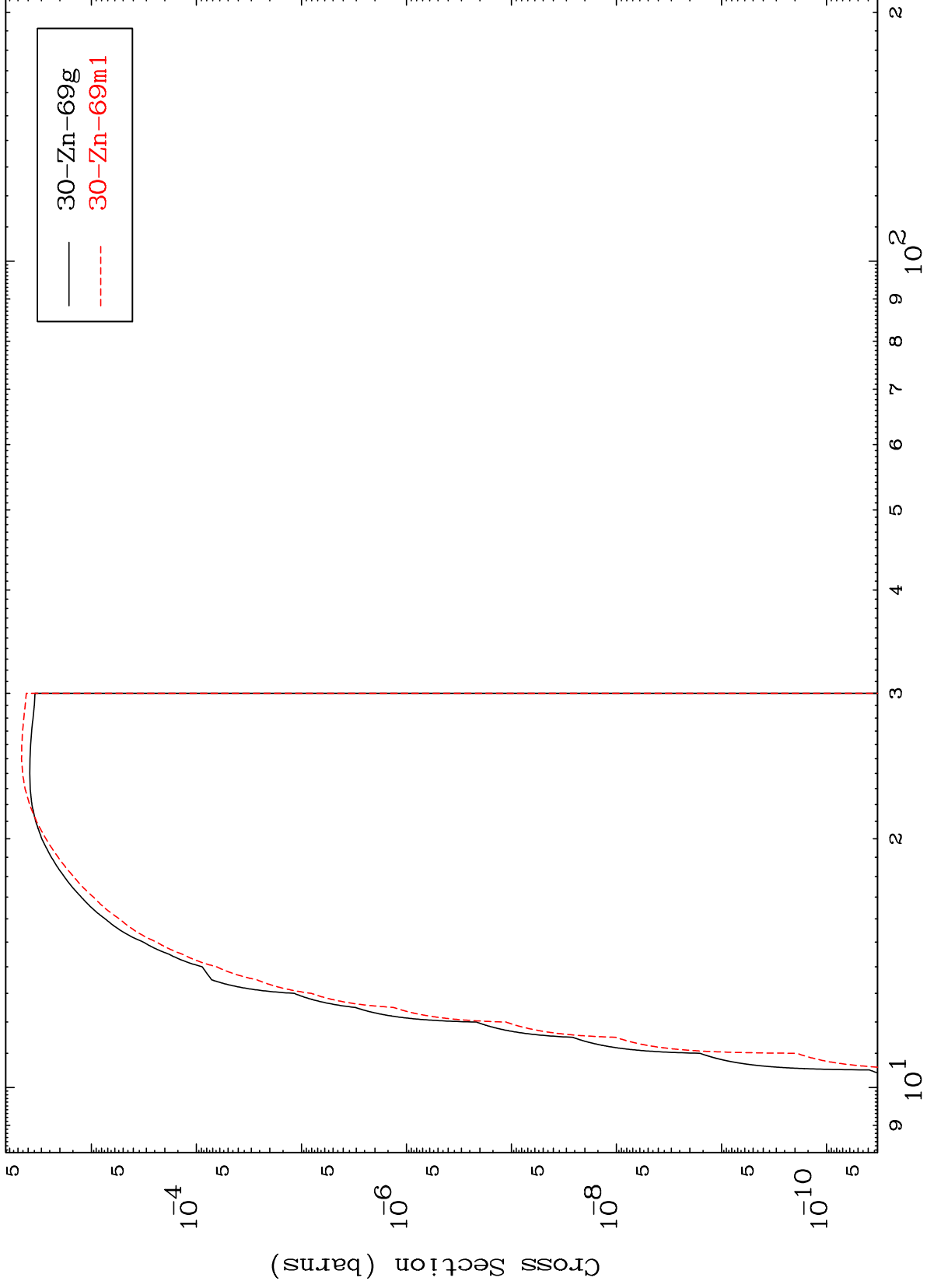
Incident Energy (MeV)

122

MAT 3131

31-Ga-71

(n,t)
Radionuclide Production Cross Section



31-Ga-71

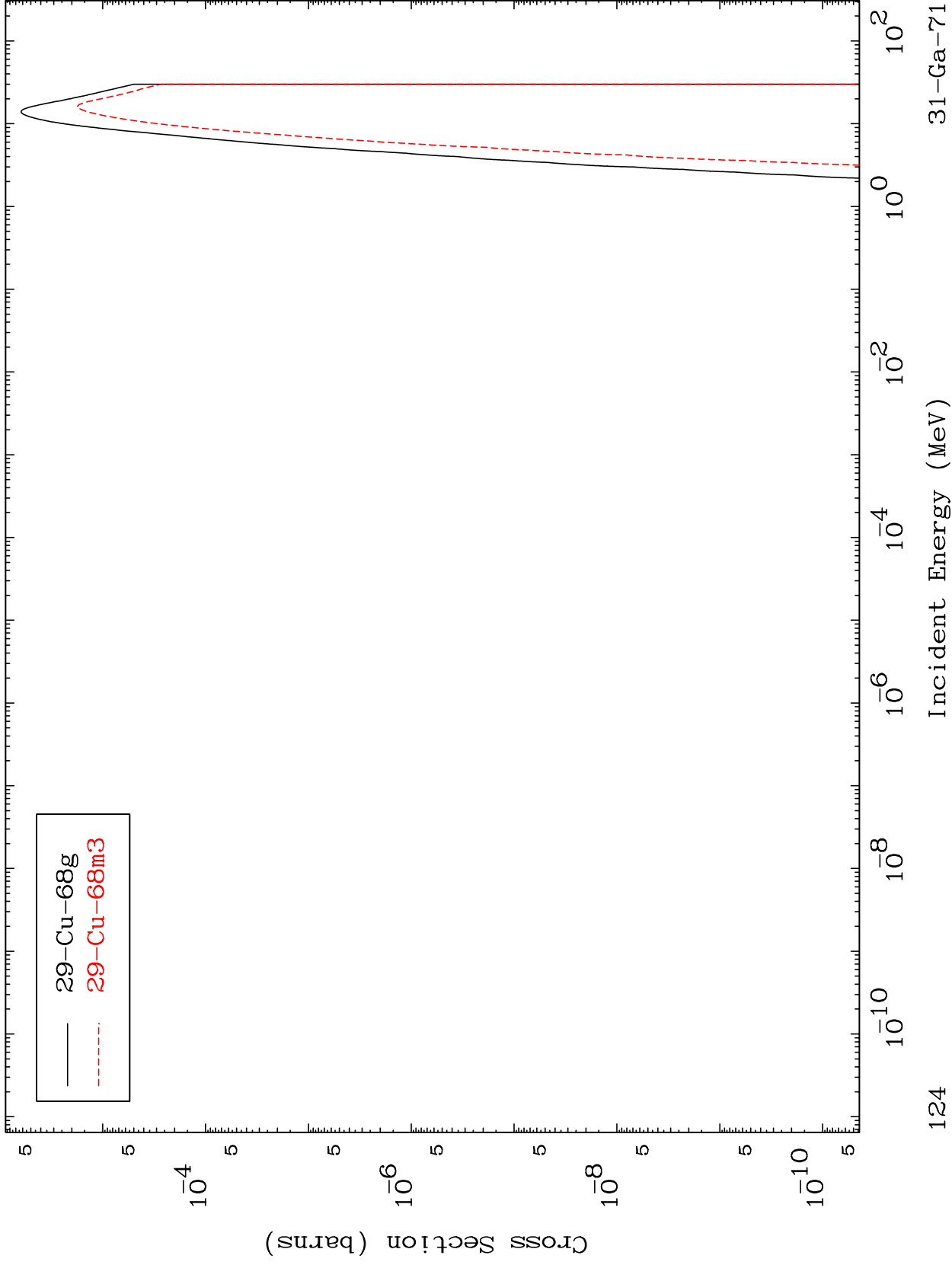
Incident Energy (MeV)

123

MAT 3131

31-Ga-71

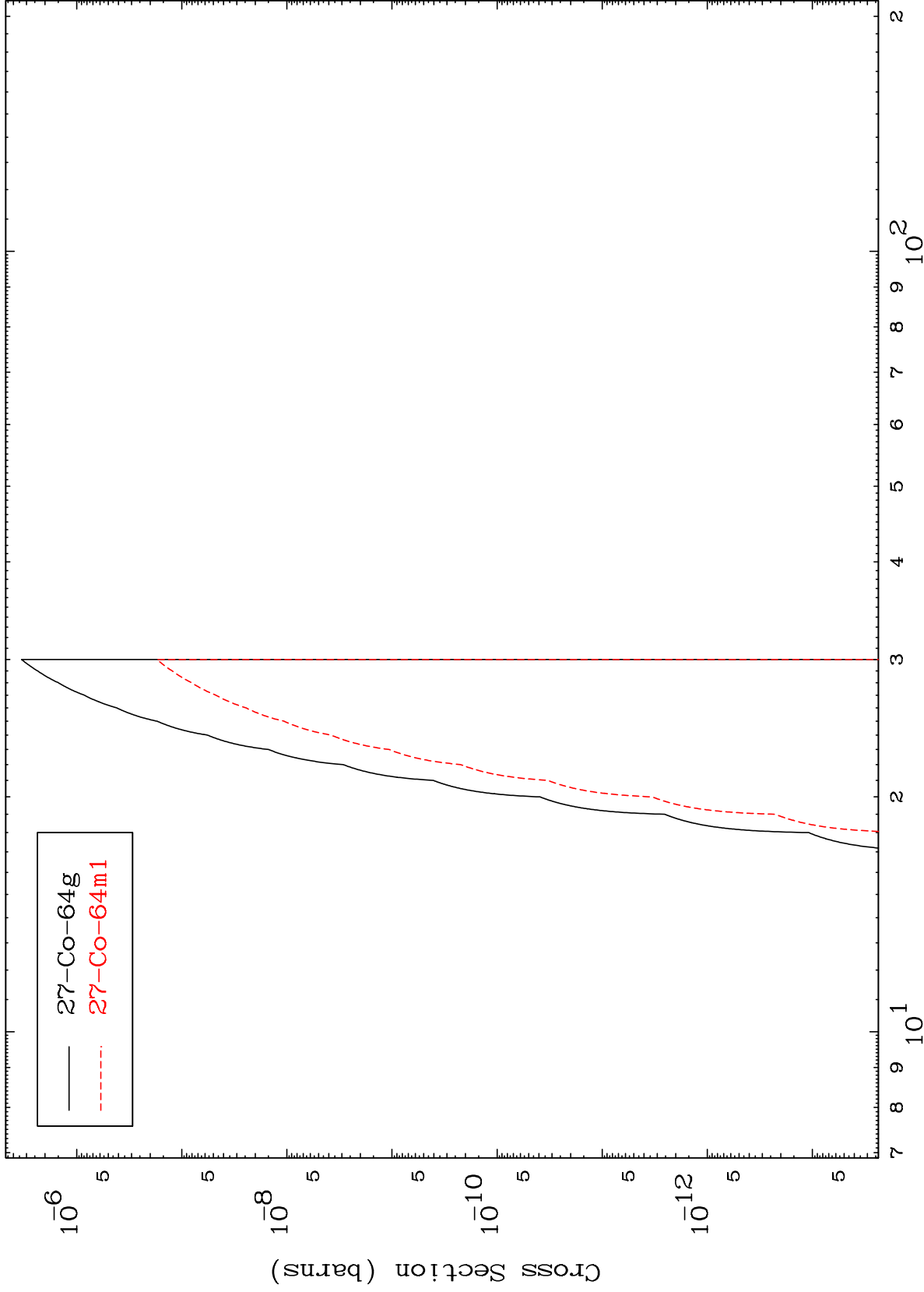
(n, α)
Radionuclide Production Cross Section



MAT 3131

31-Ga-71

(n,2α)
Radionuclide Production Cross Section



— 27-Co-64g
- - - 27-Co-64m1

125

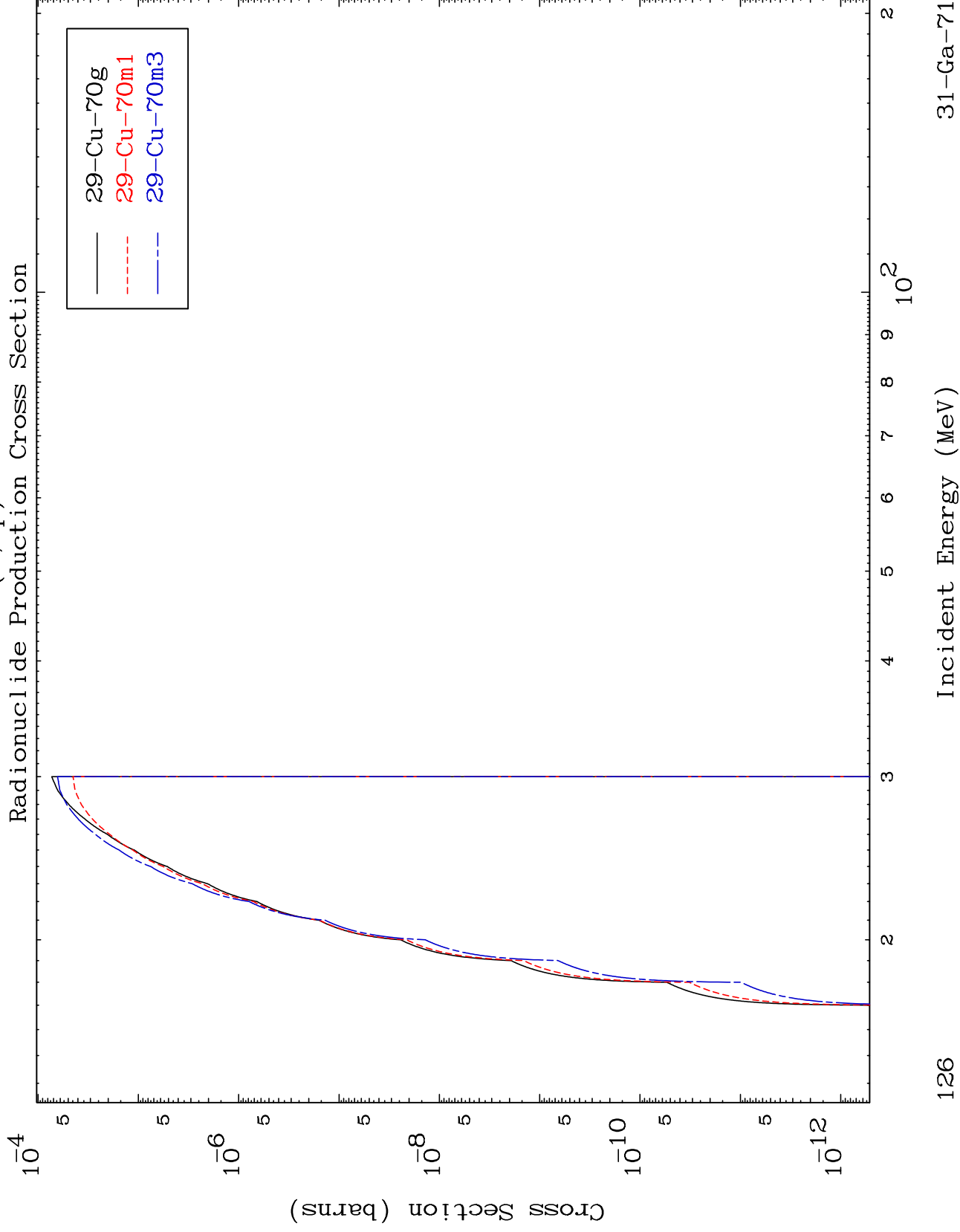
Incident Energy (MeV)

31-Ga-71

MAT 3131

(n,2p)

31-Ga-71



126

31-Ga-71

Radionuclide Production Cross Section

