

Program EVALPLOT
(Version 2015-2)

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:home.comcast.net/~redcullen1

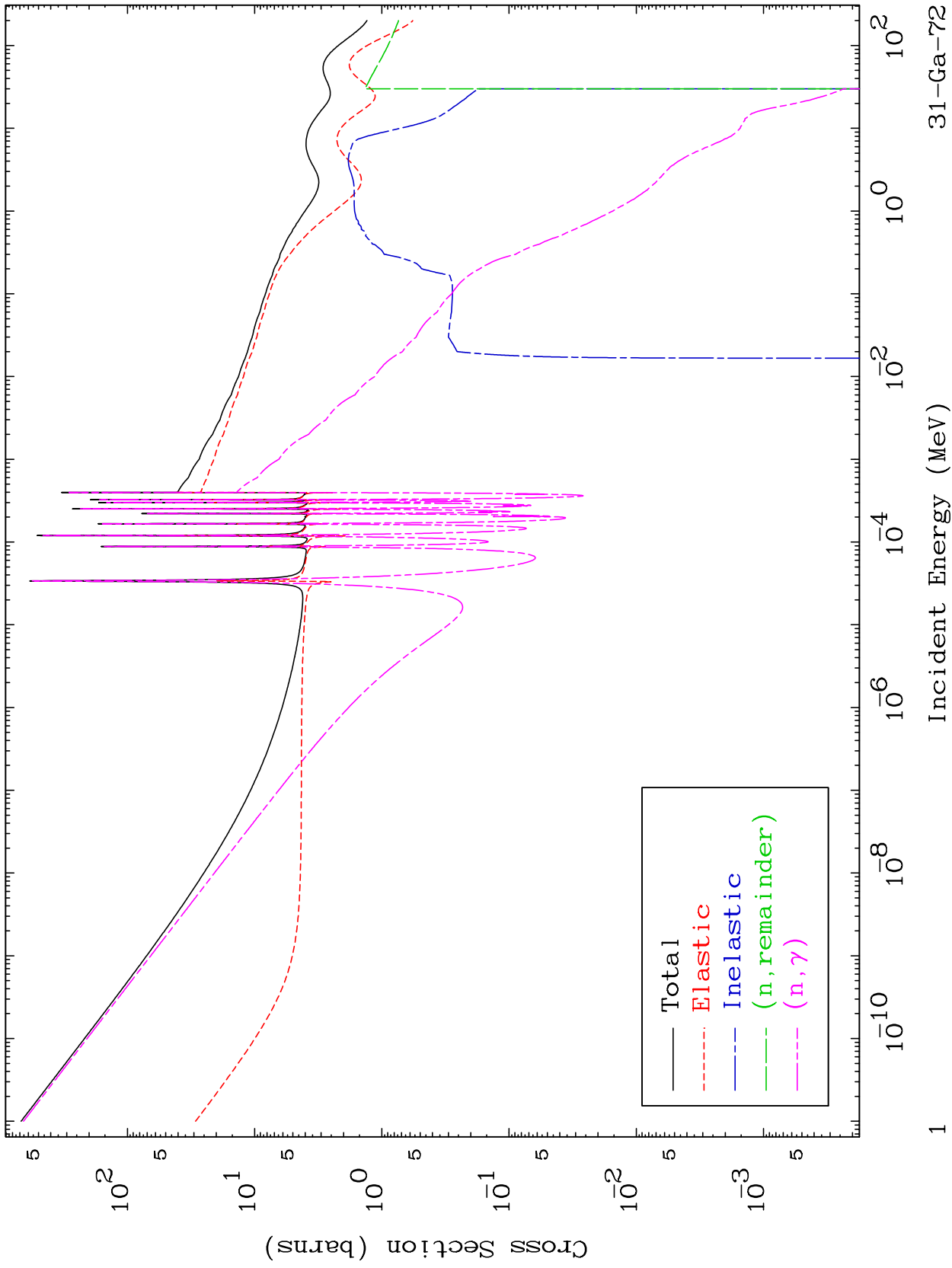
Press Mouse Button to Start

MAT 3134

Major

293 Kelvin Cross Sections

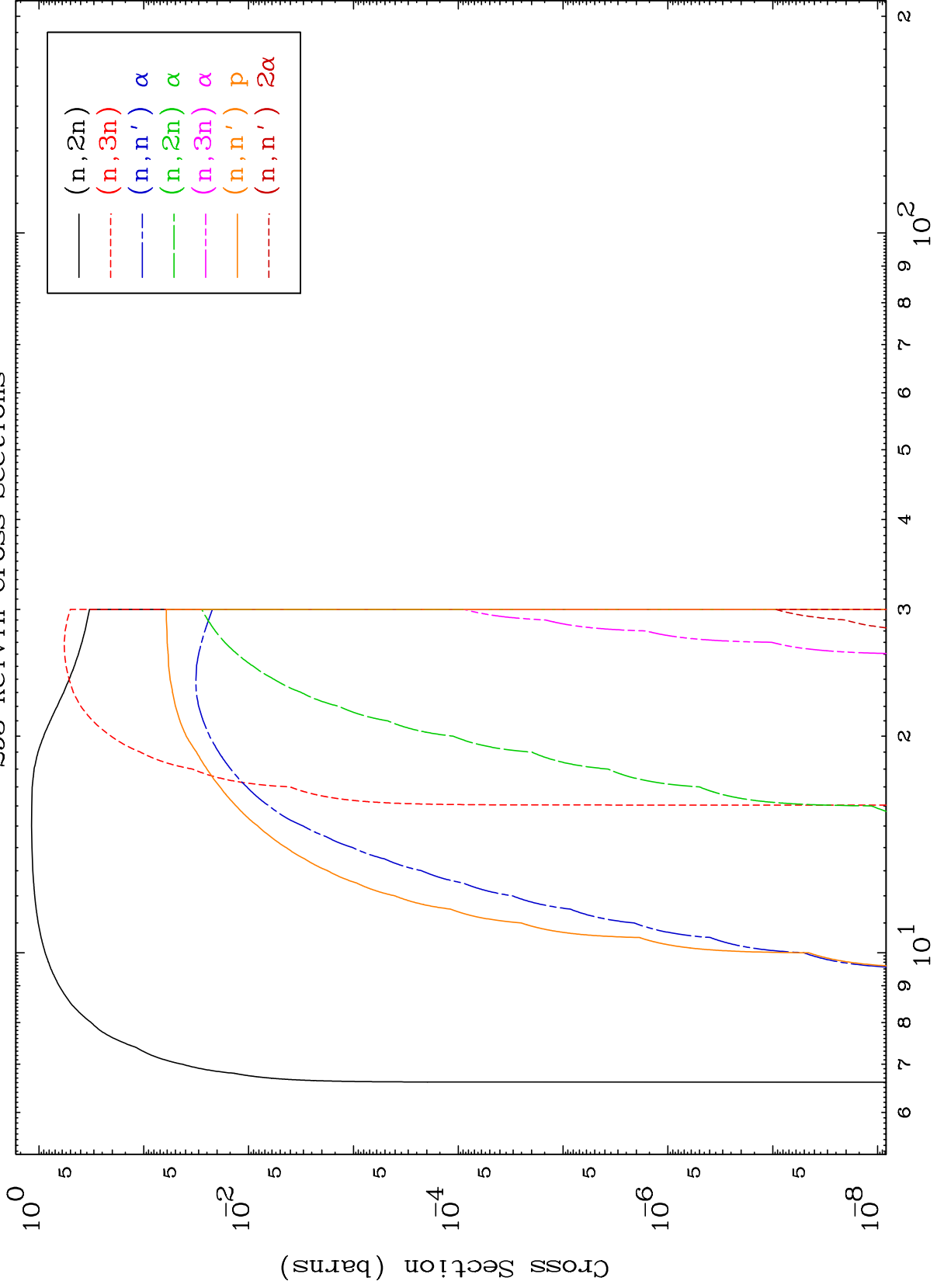
31-Ga-72



MAT 3134

Neutron Production
293 Kelvin Cross Sections

31-Ga-72

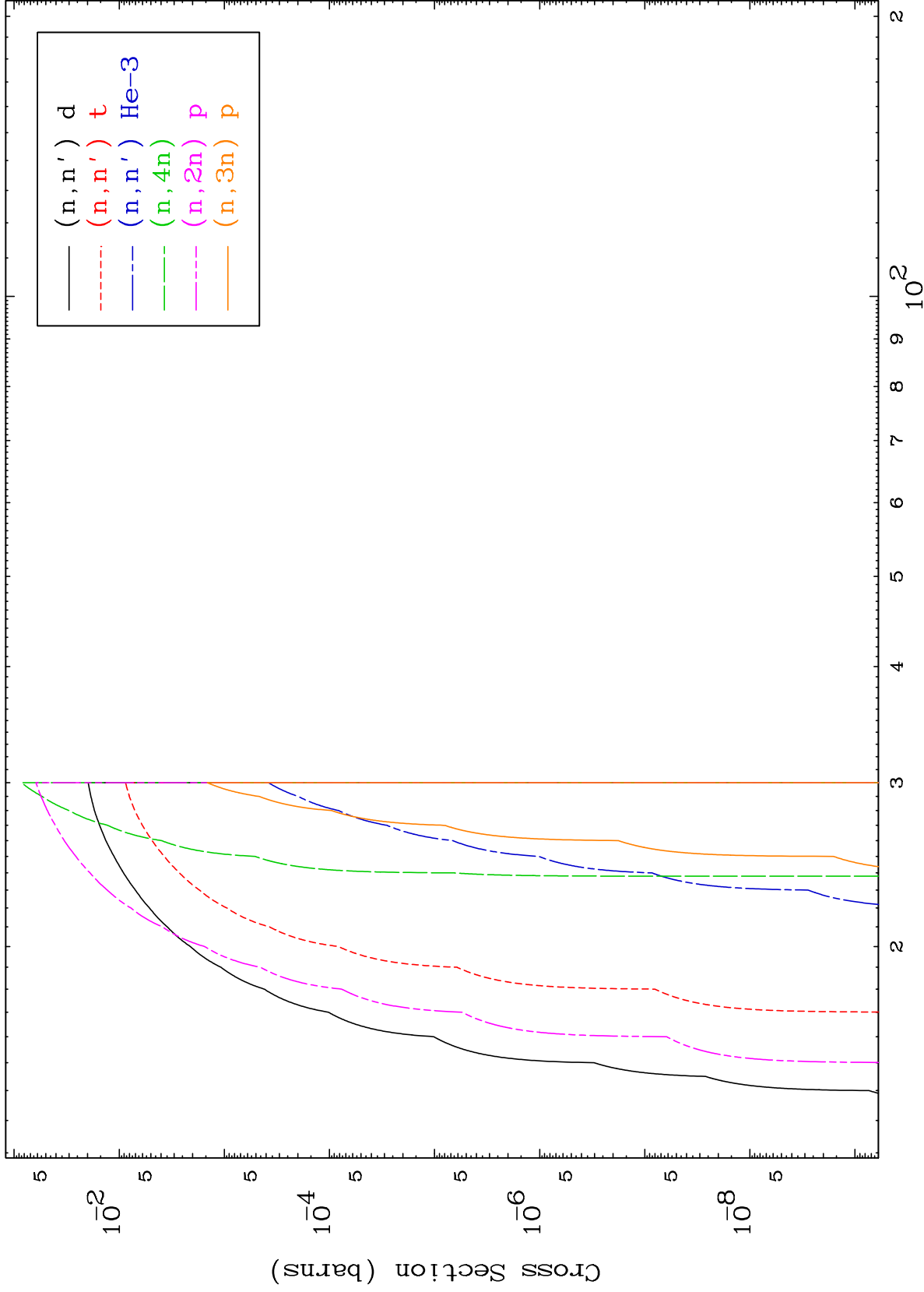


2

Incident Energy (MeV)

31-Ga-72

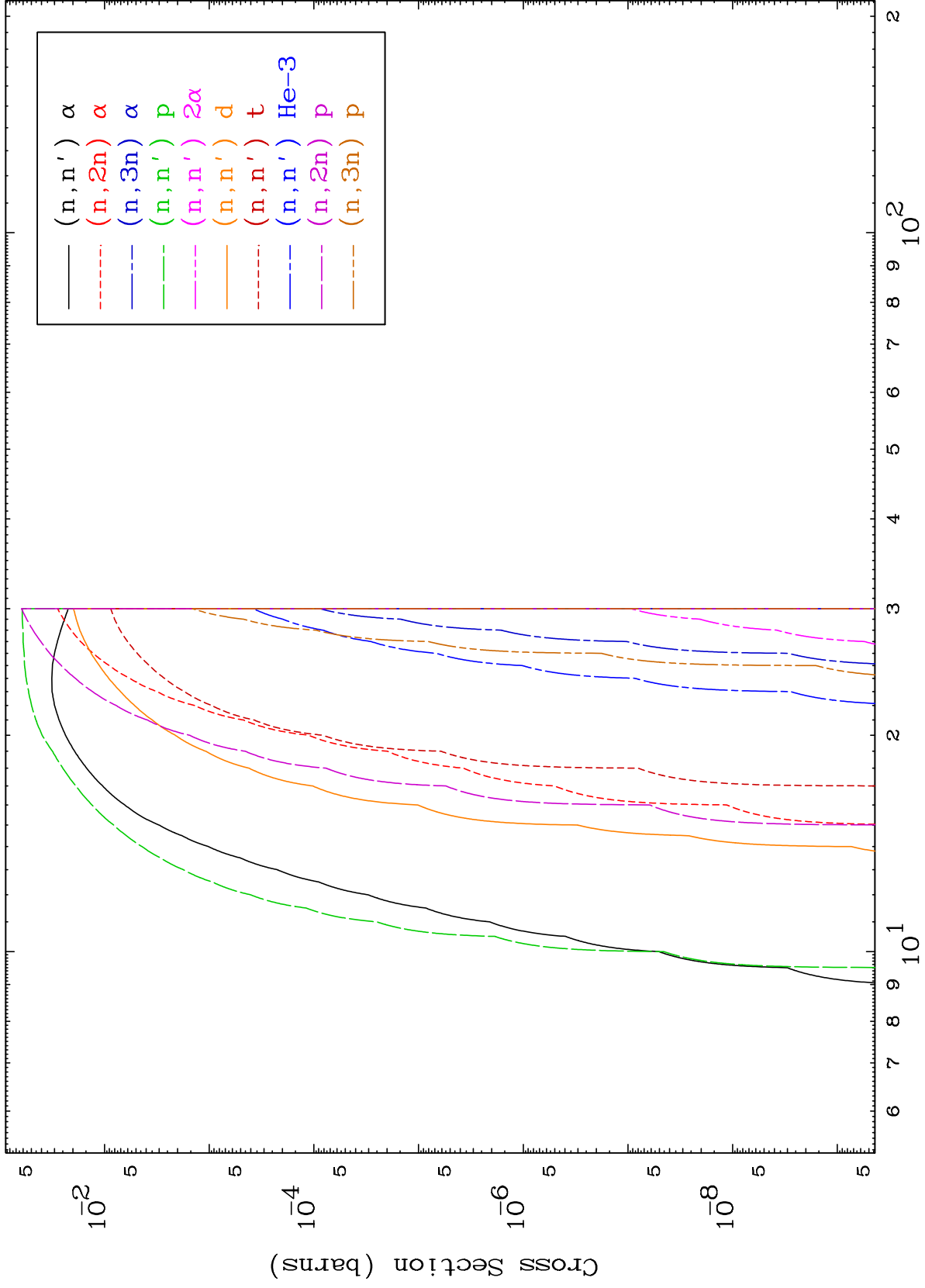
Neutron Production
293 Kelvin Cross Sections



MAT 3134

Charged Particle
293 Kelvin Cross Sections

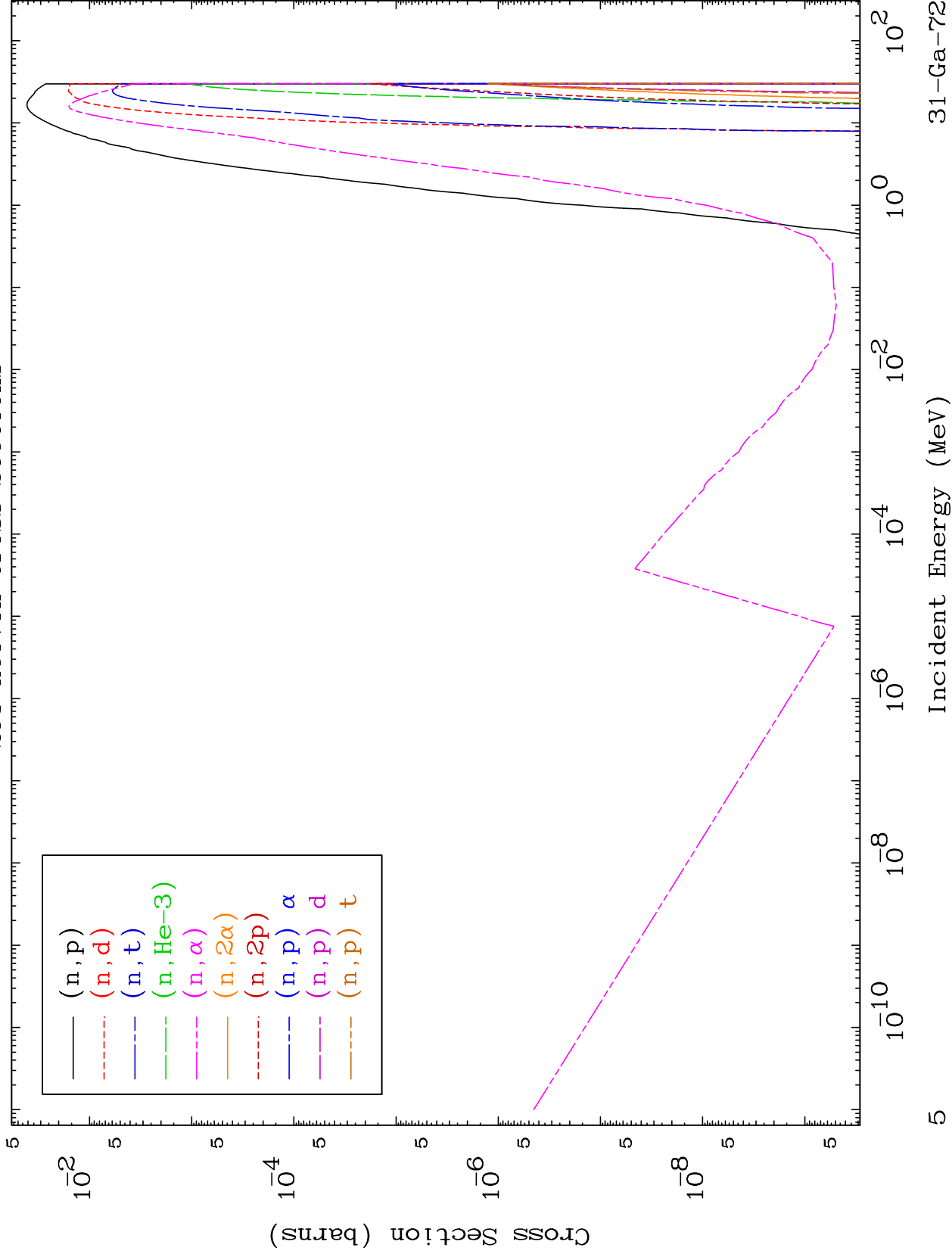
31-Ga-72



MAT 3134

Charged Particle
293 Kelvin Cross Sections

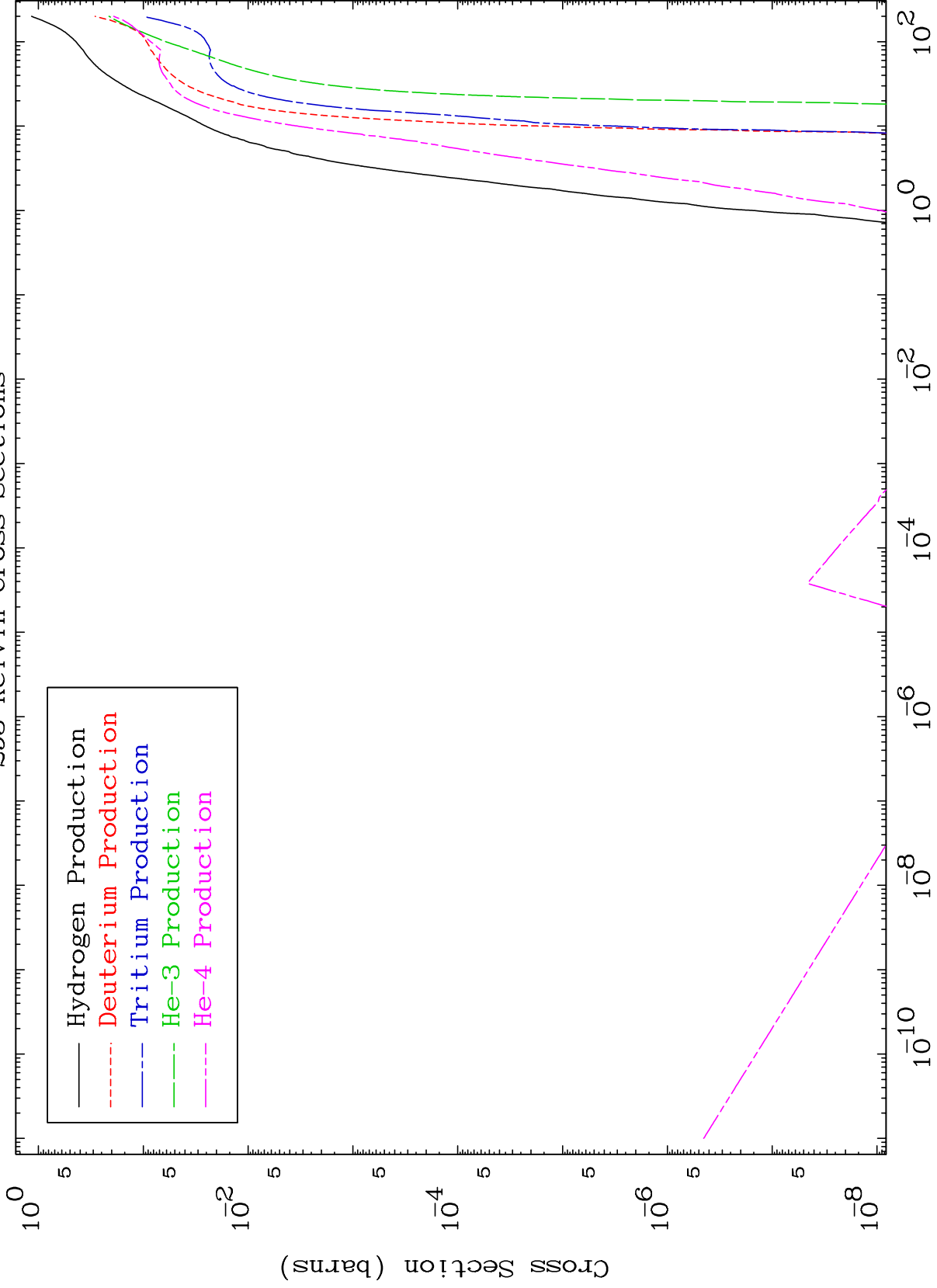
31-Ga-72

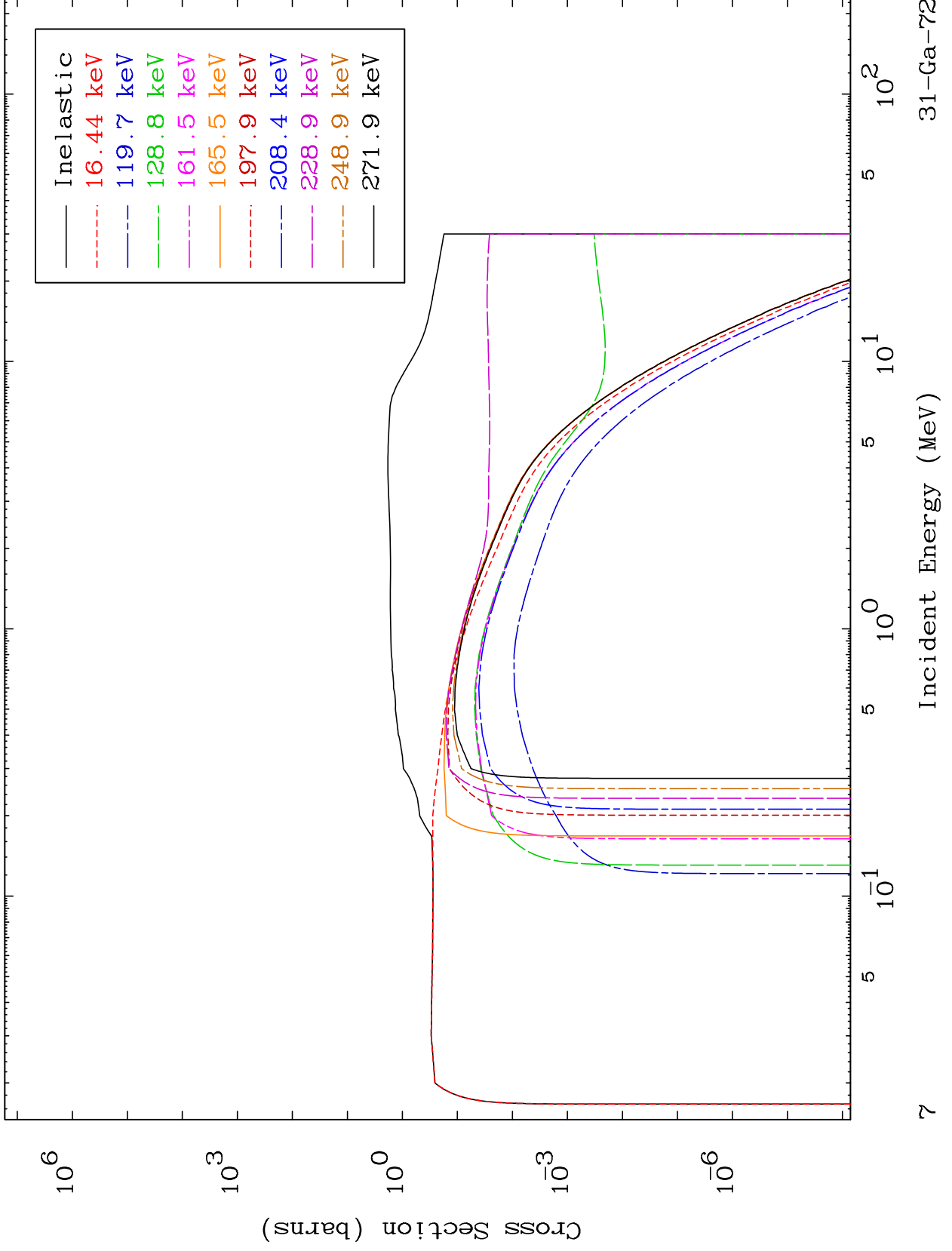


MAT 3134

Particle Production
293 Kelvin Cross Sections

31-Ga-72



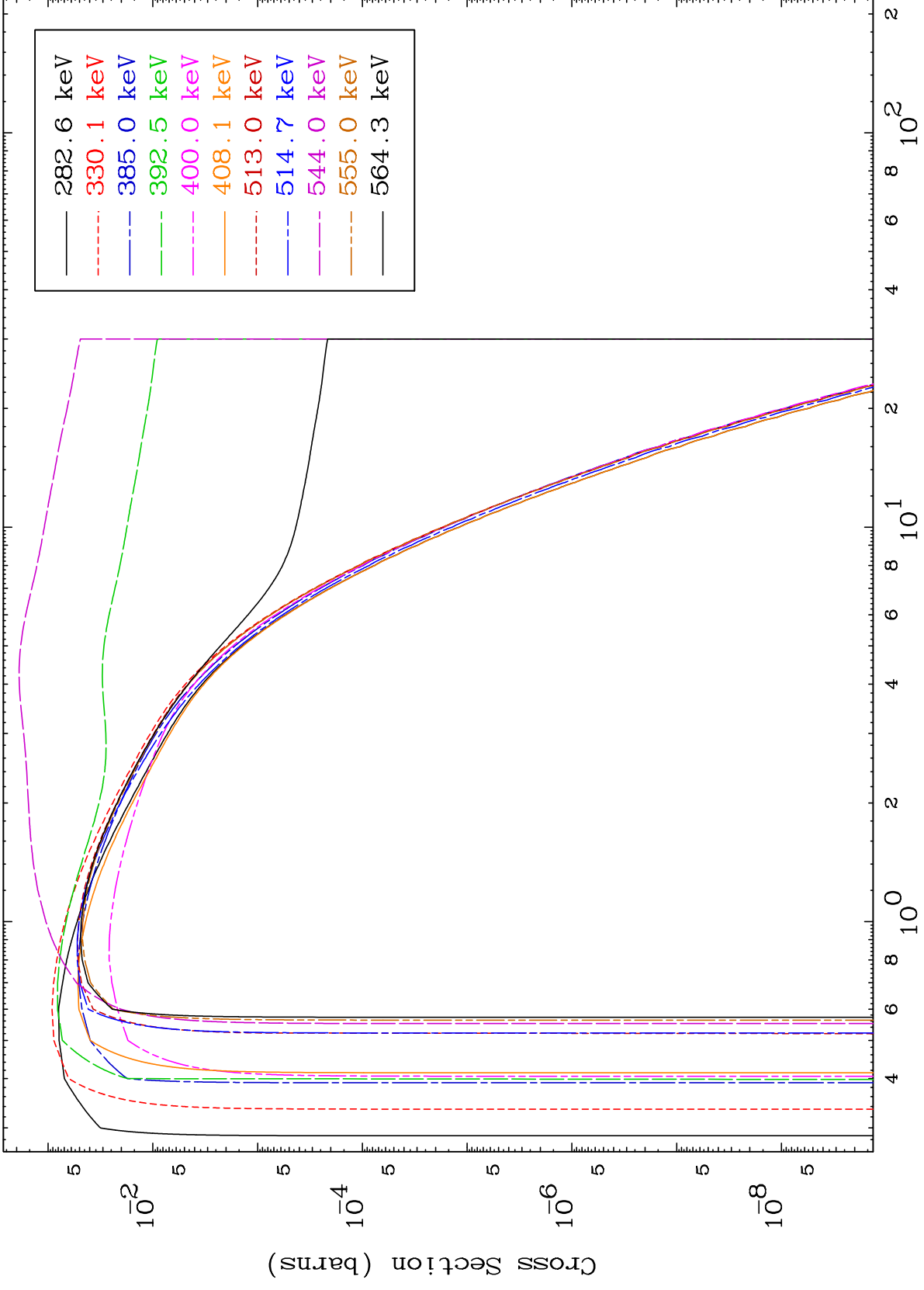


MAT 3134

(n,n') Level

31-Ga-72

293 Kelvin Cross Sections



8

Incident Energy (MeV)

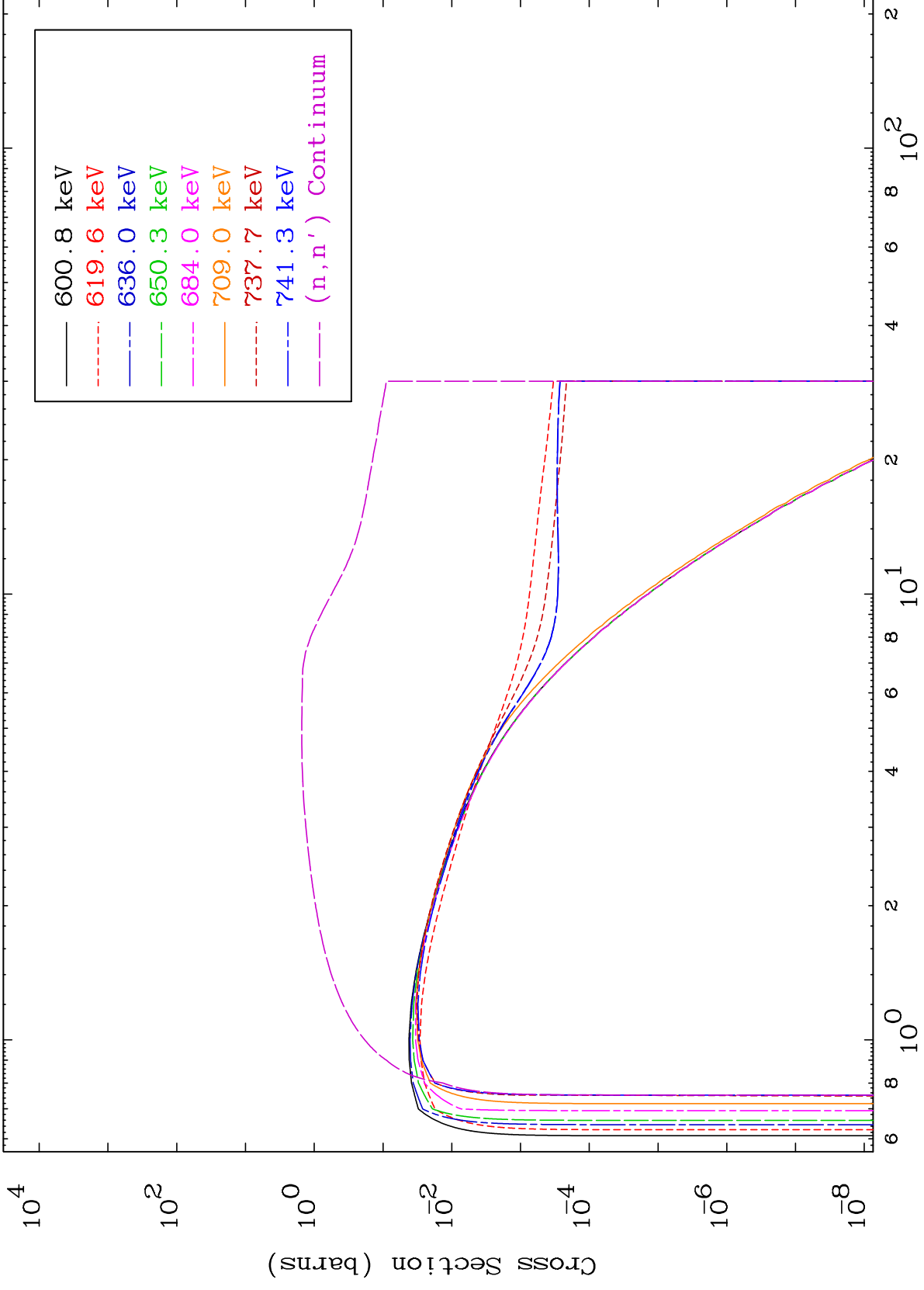
31-Ga-72

MAT 3134

(n,n') Level

31-Ga-72

293 Kelvin Cross Sections



9

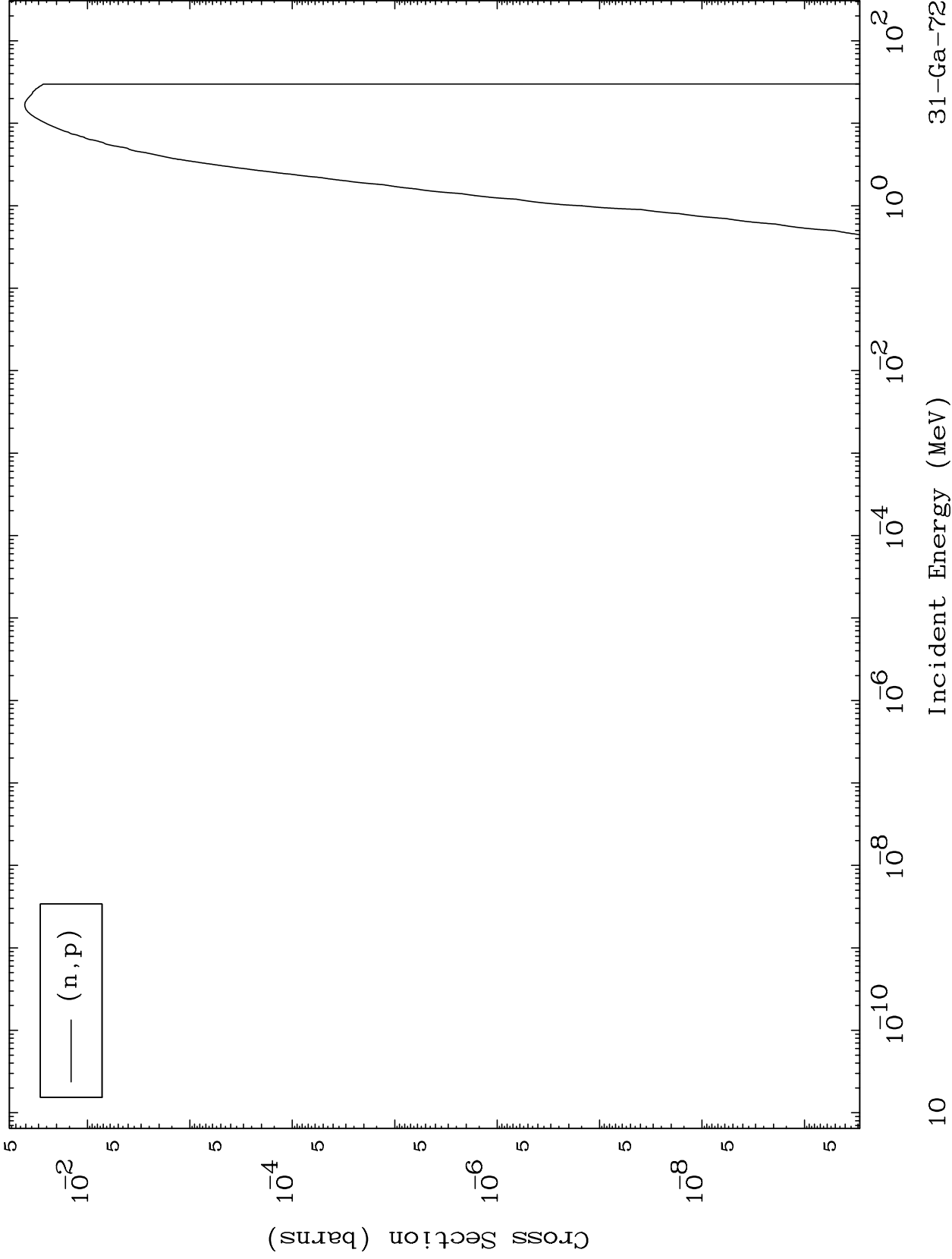
Incident Energy (MeV)

31-Ga-72

MAT 3134

(n,p) Levels
293 Kelvin Cross Sections

31-Ga-72



10

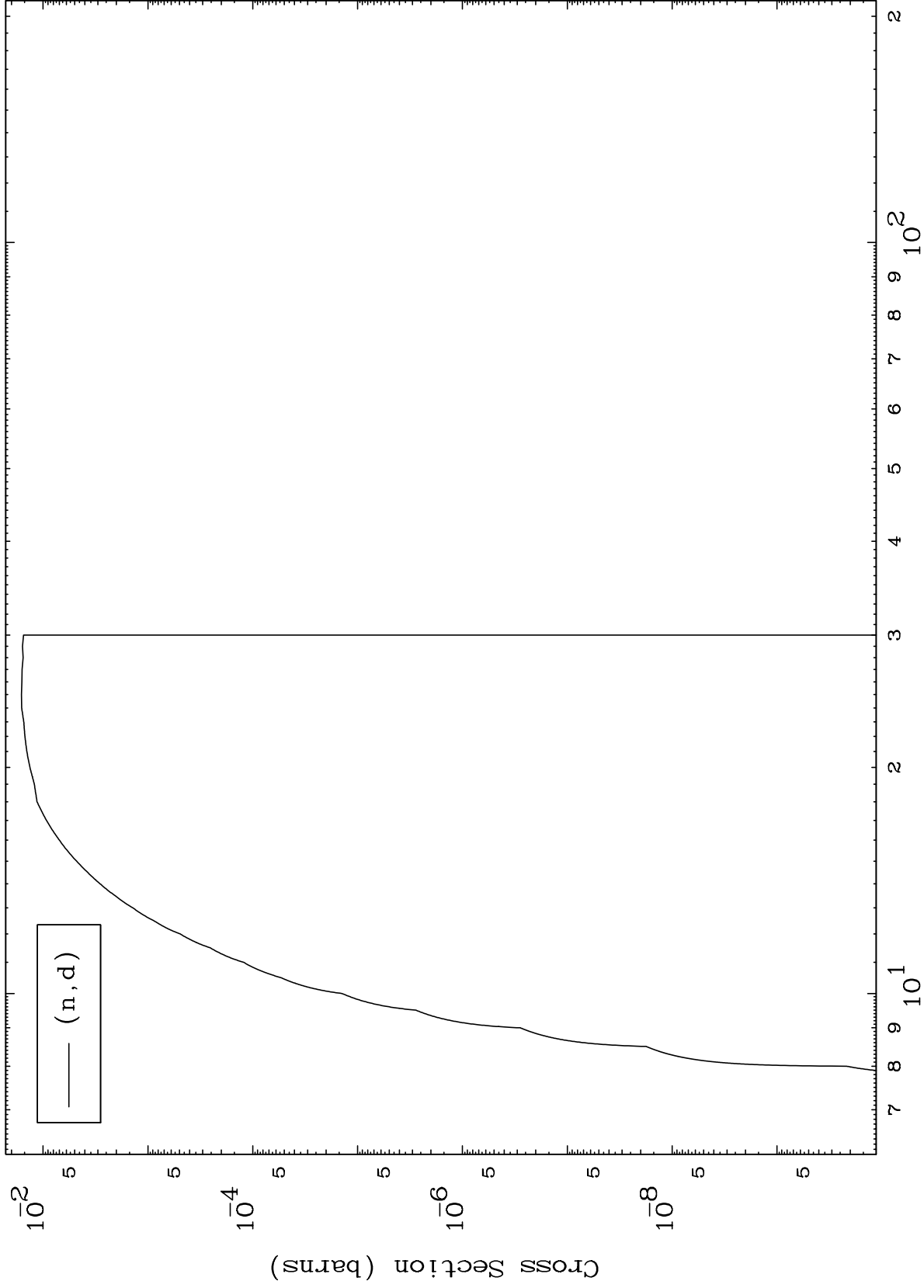
Incident Energy (MeV)

31-Ga-72

MAT 3134

(n,d) Levels
293 Kelvin Cross Sections

31-Ga-72



11

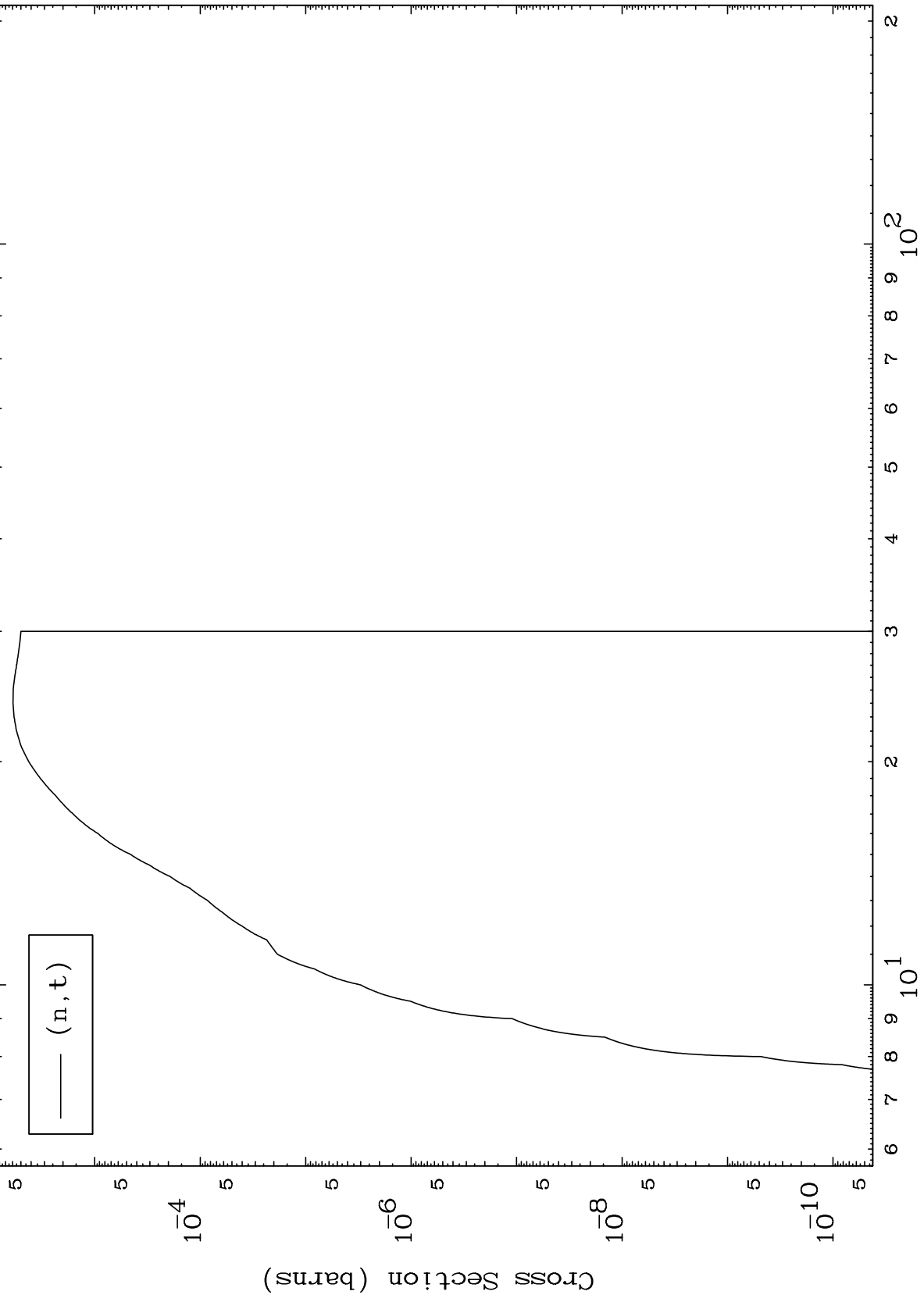
Incident Energy (MeV)

31-Ga-72

MAT 3134

(n,t) Levels
293 Kelvin Cross Sections

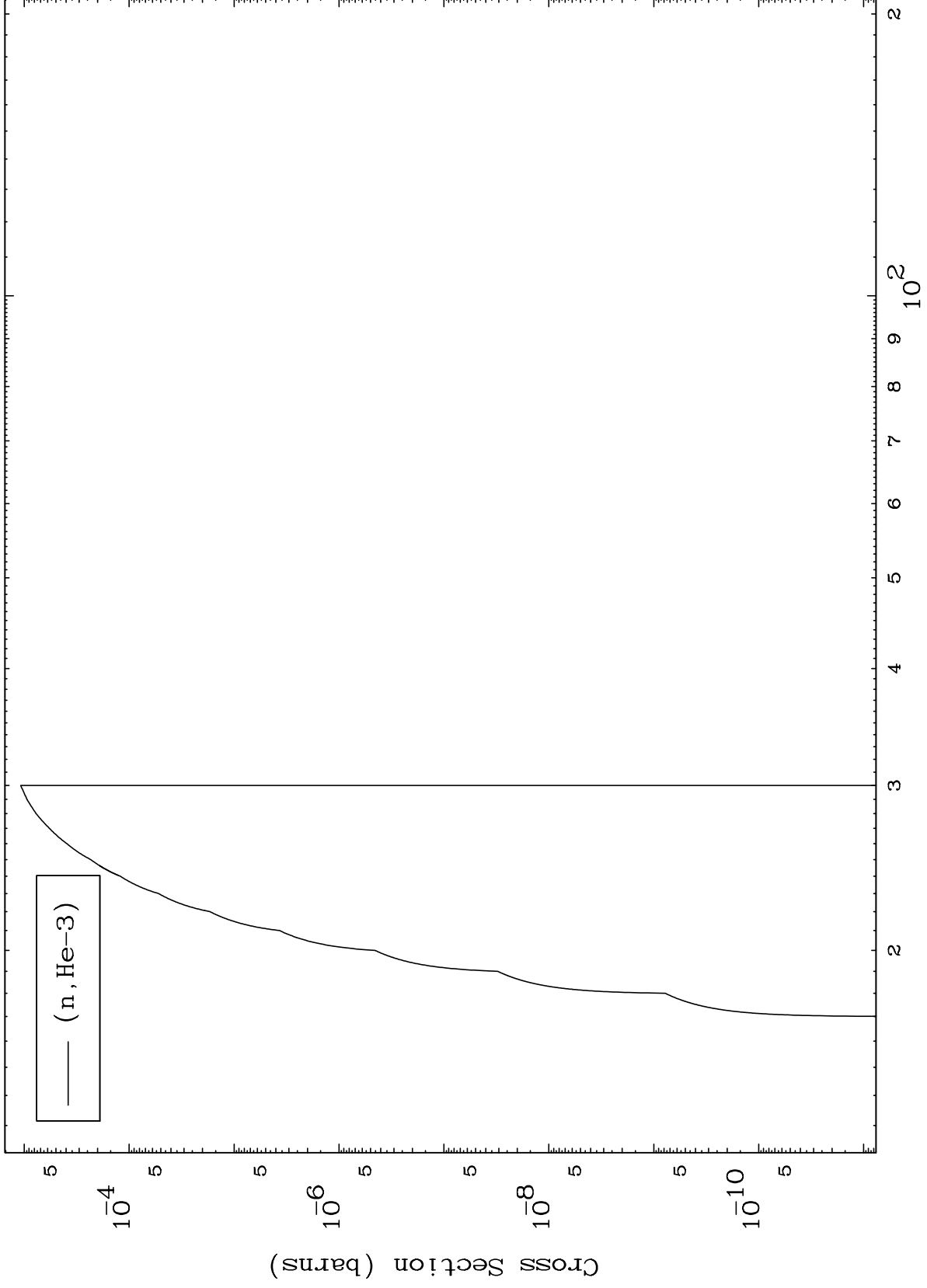
31-Ga-72



12

Incident Energy (MeV)

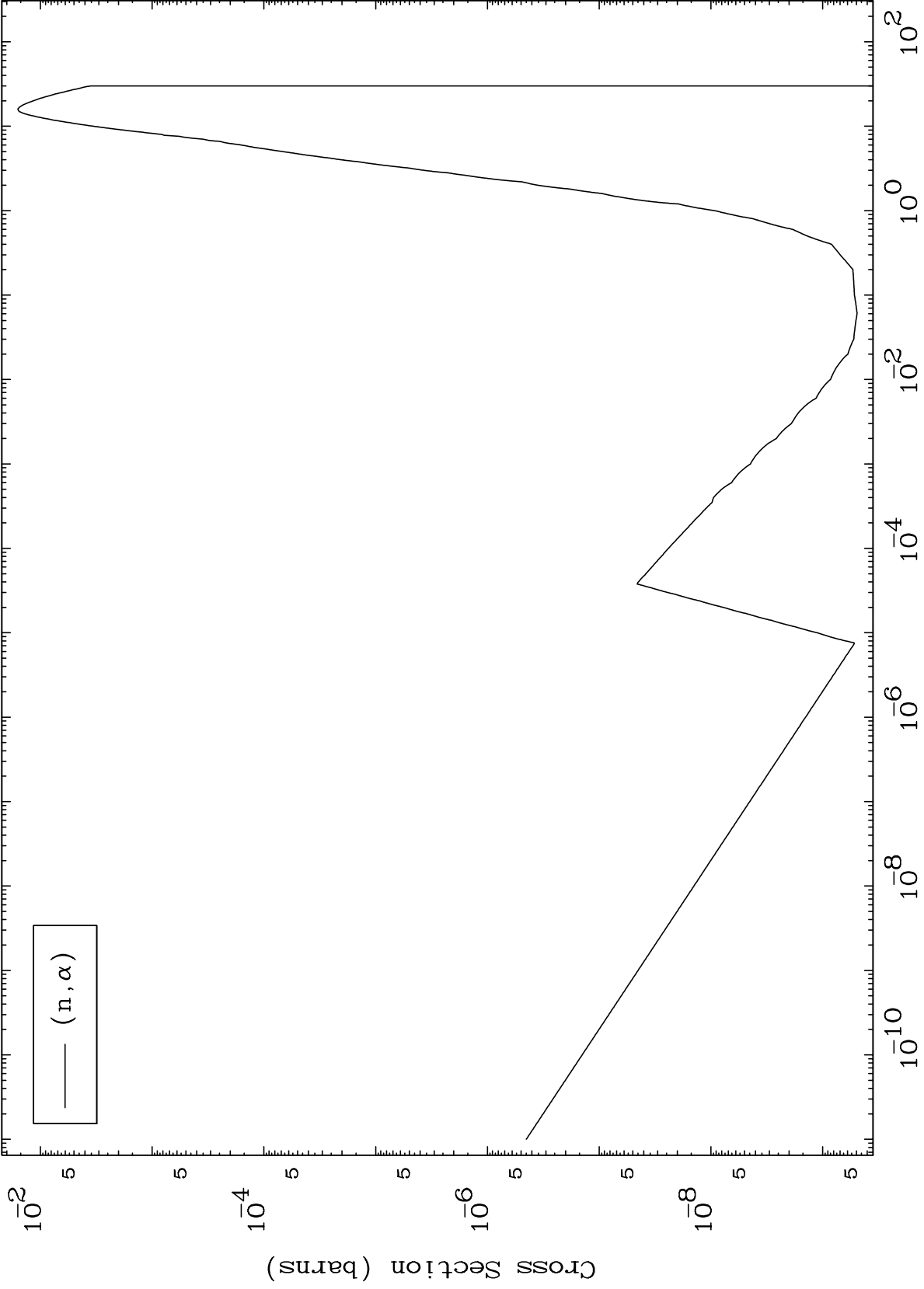
31-Ga-72



MAT 3134

(n, α) Levels
293 Kelvin Cross Sections

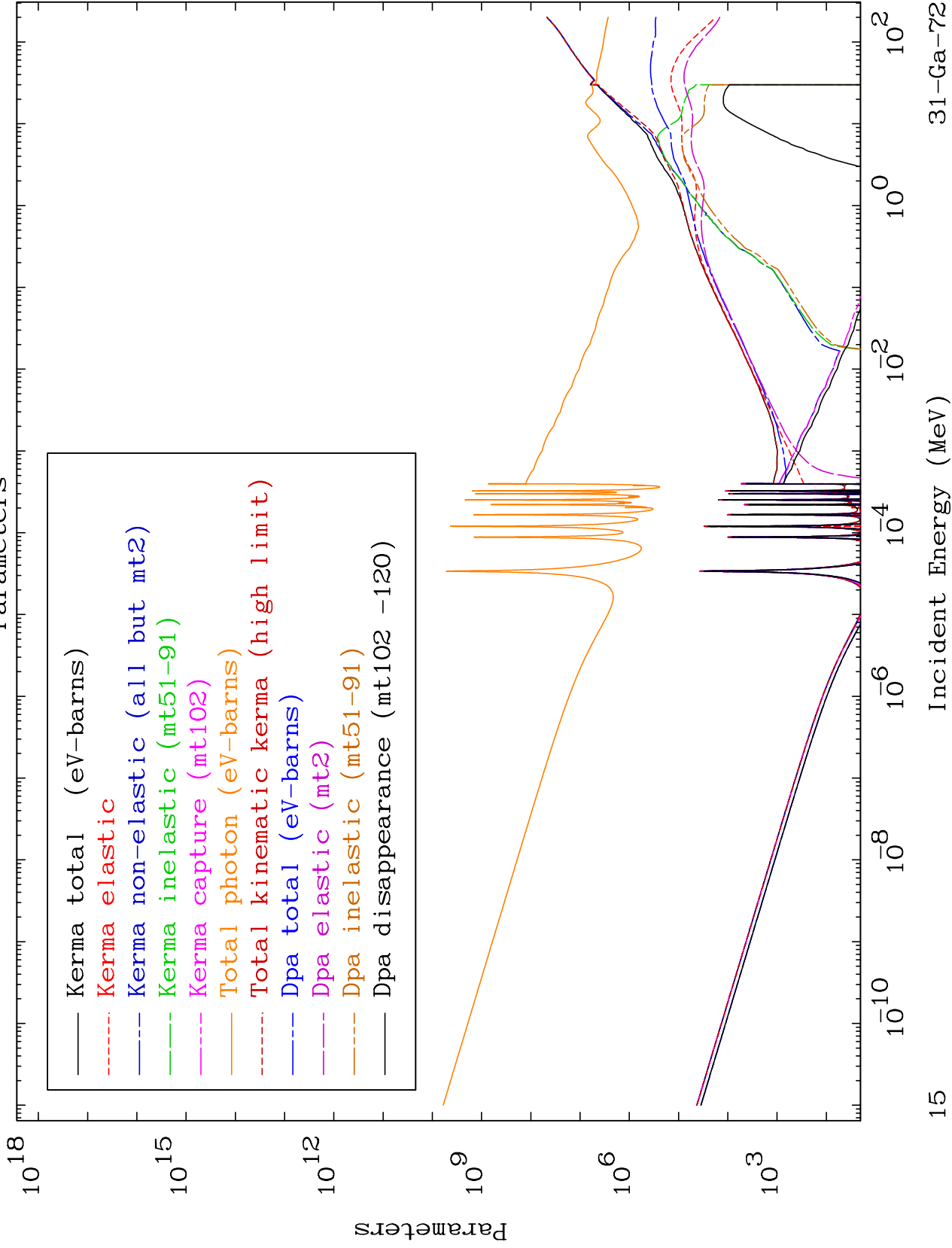
31-Ga-72



14

Incident Energy (MeV)

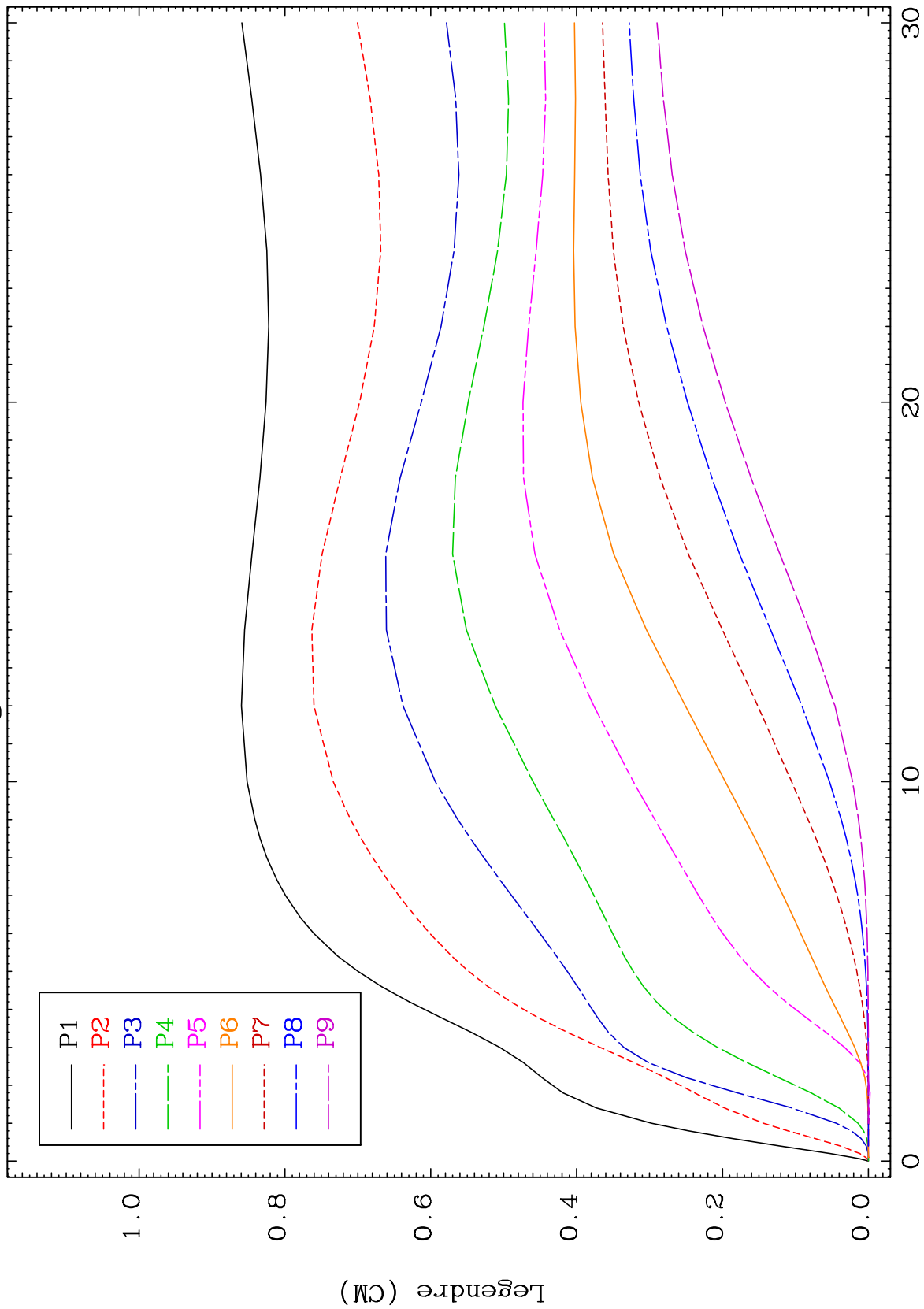
31-Ga-72



MAT 3134

Elastic Legendre Coefficients

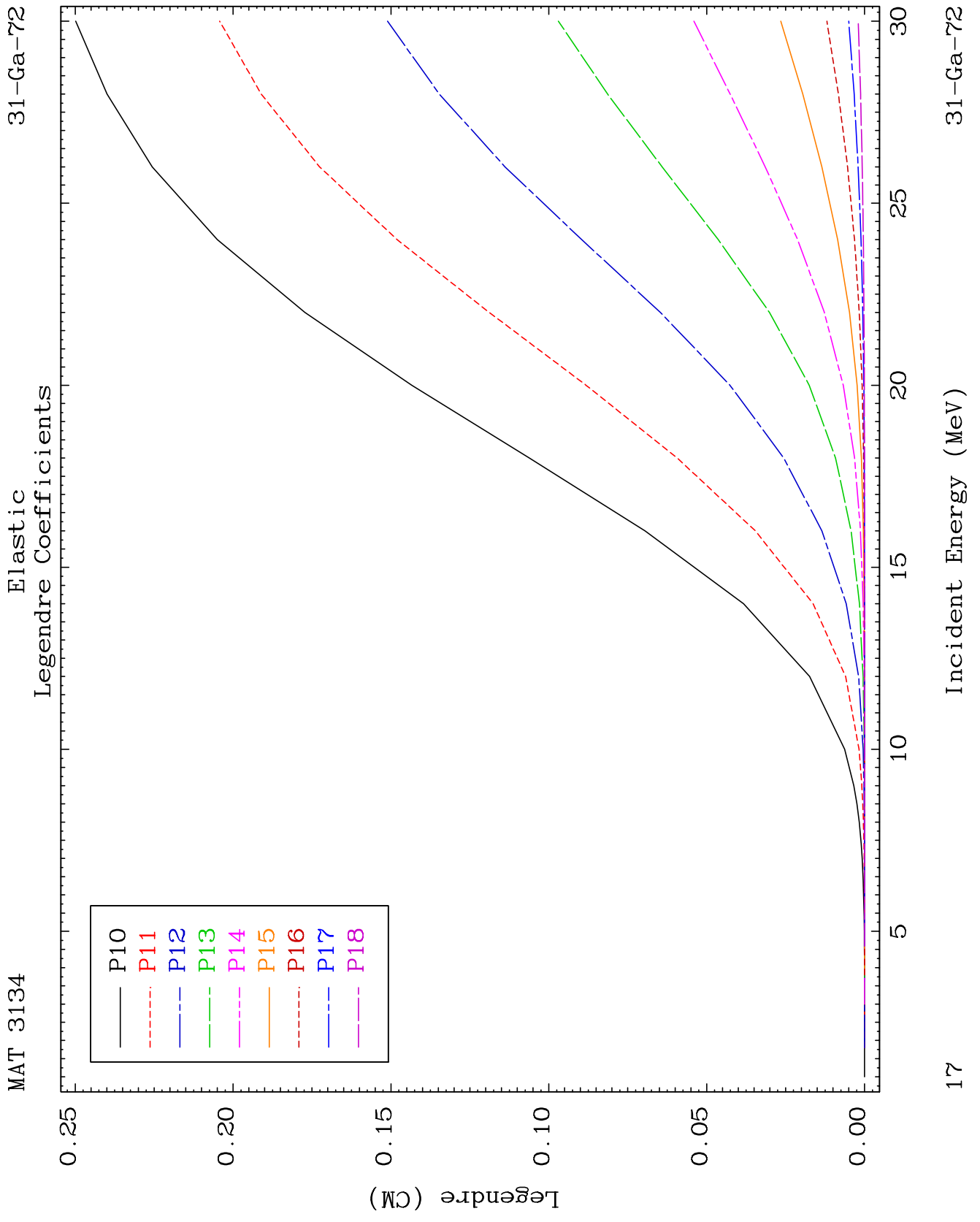
31-Ga-72



16

Incident Energy (MeV)

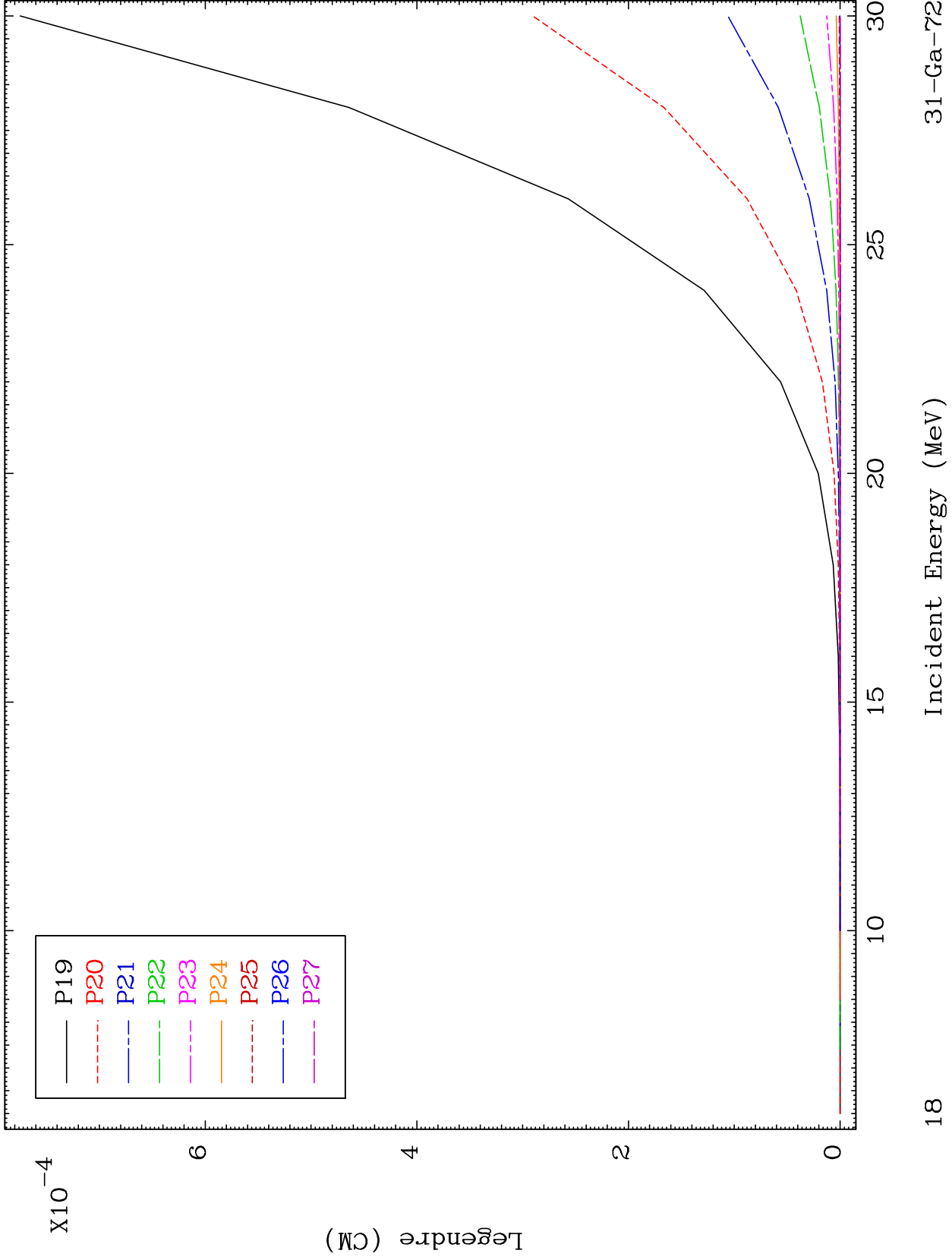
31-Ga-72



MAT 3134

Elastic
Legendre Coefficients

31-Ga-72



18

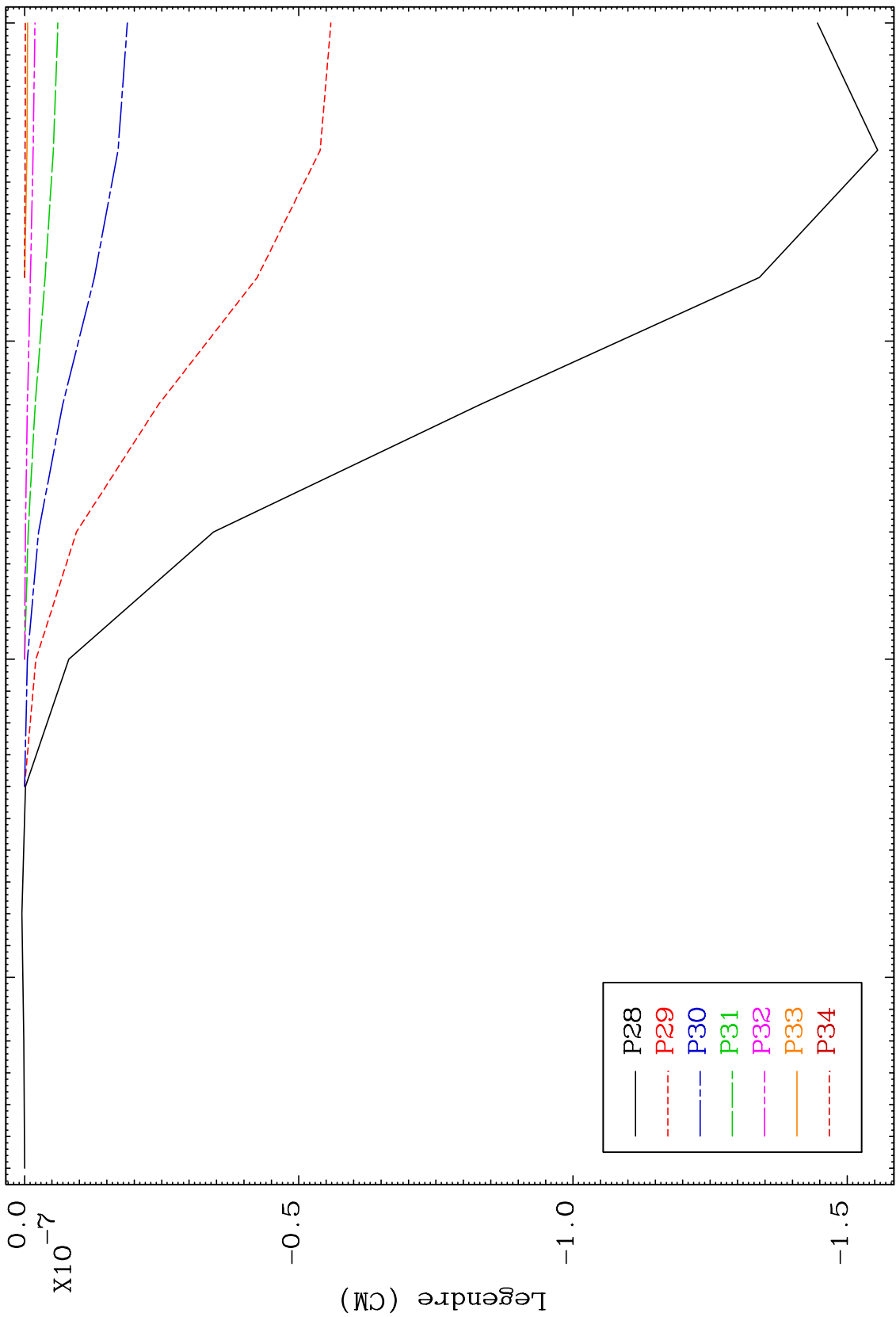
Incident Energy (MeV)

31-Ga-72

MAT 3134

31-Ga-72

Elastic Legendre Coefficients



0.0

$\times 10^{-7}$

-0.5

-1.0

-1.5

15

20

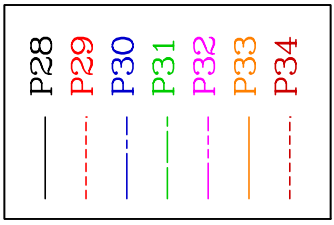
25

30

19

Incident Energy (MeV)

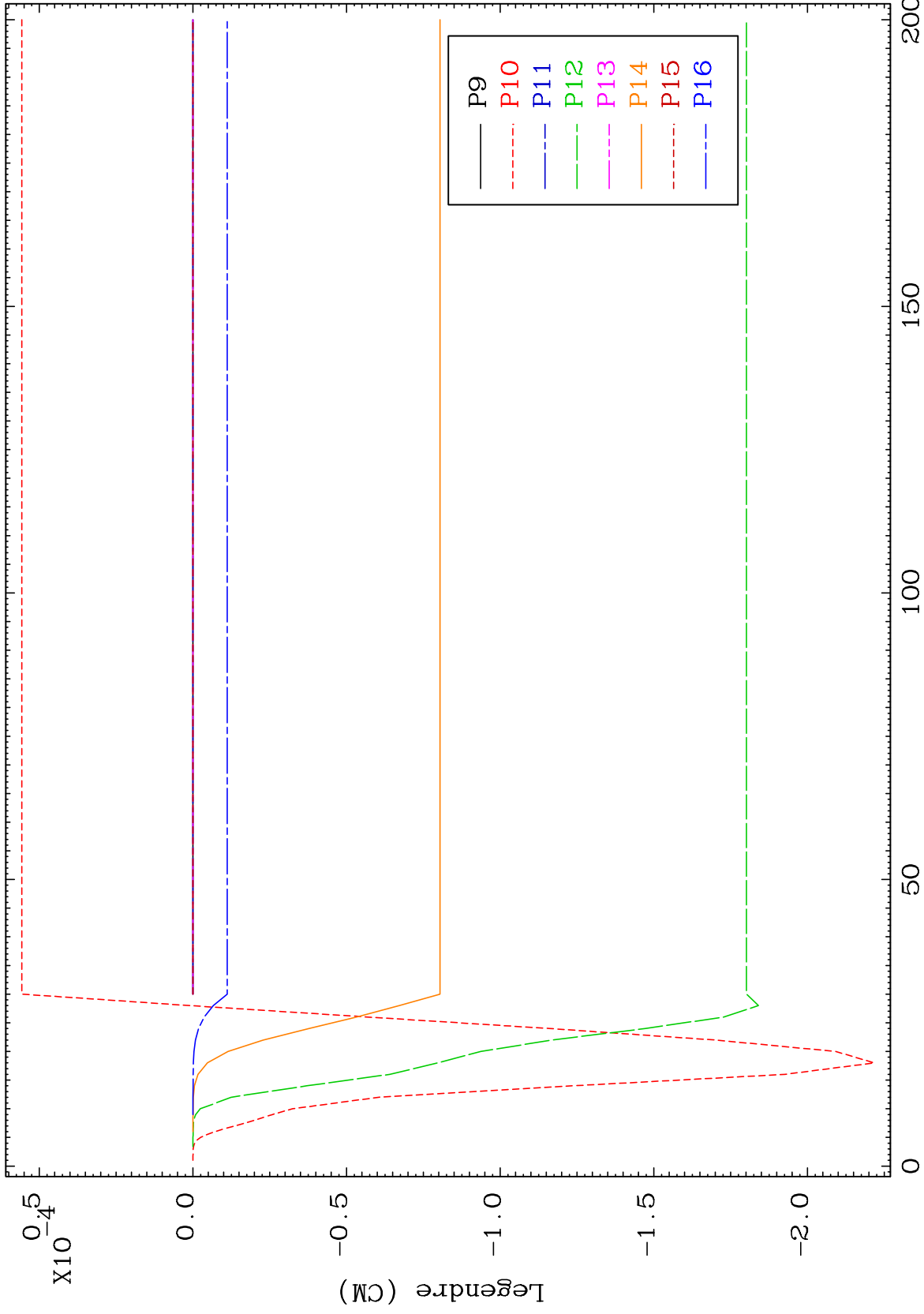
31-Ga-72



MAT 3134

16.44 keV (n,n') Level
Legendre Coefficients

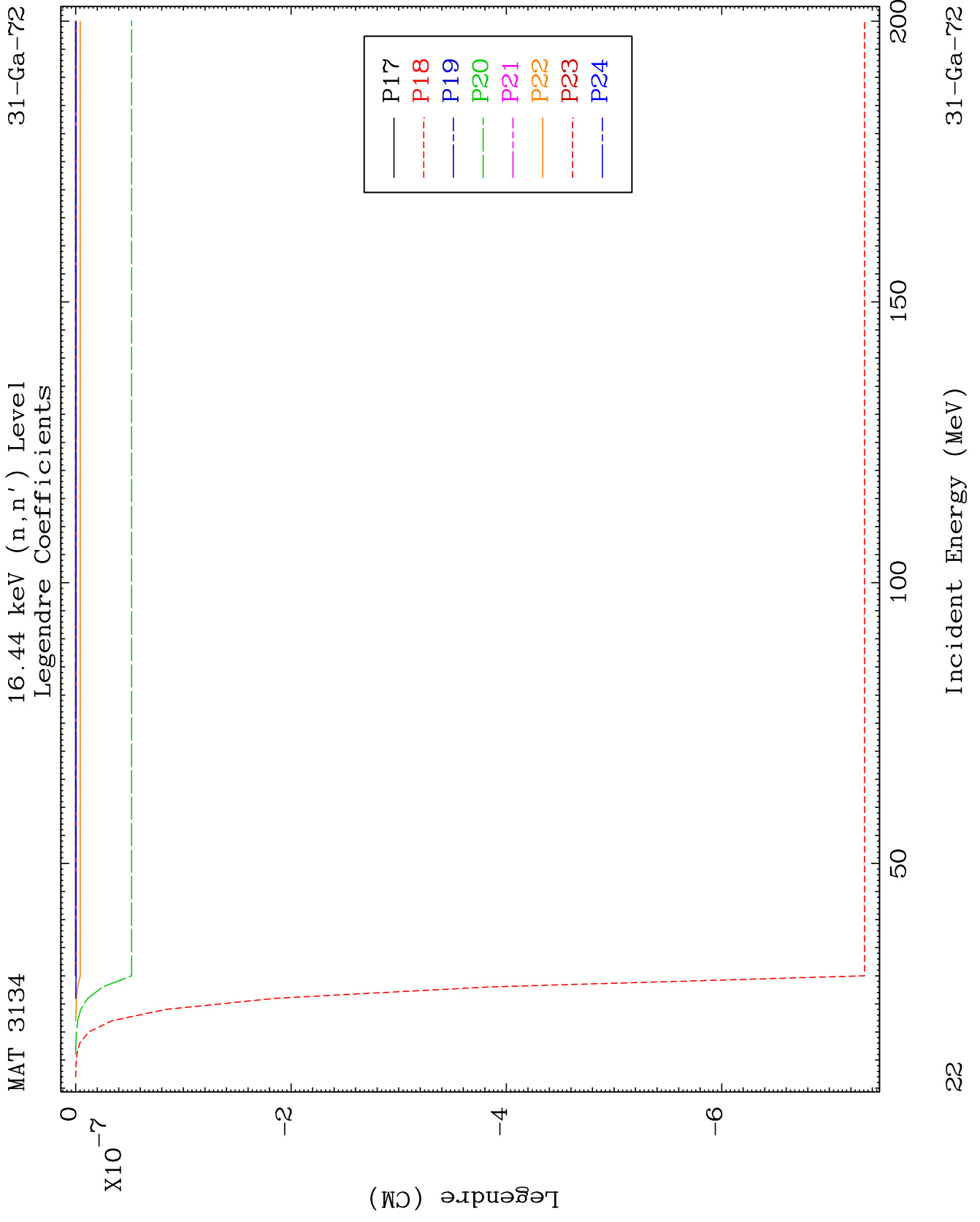
31-Ga-72

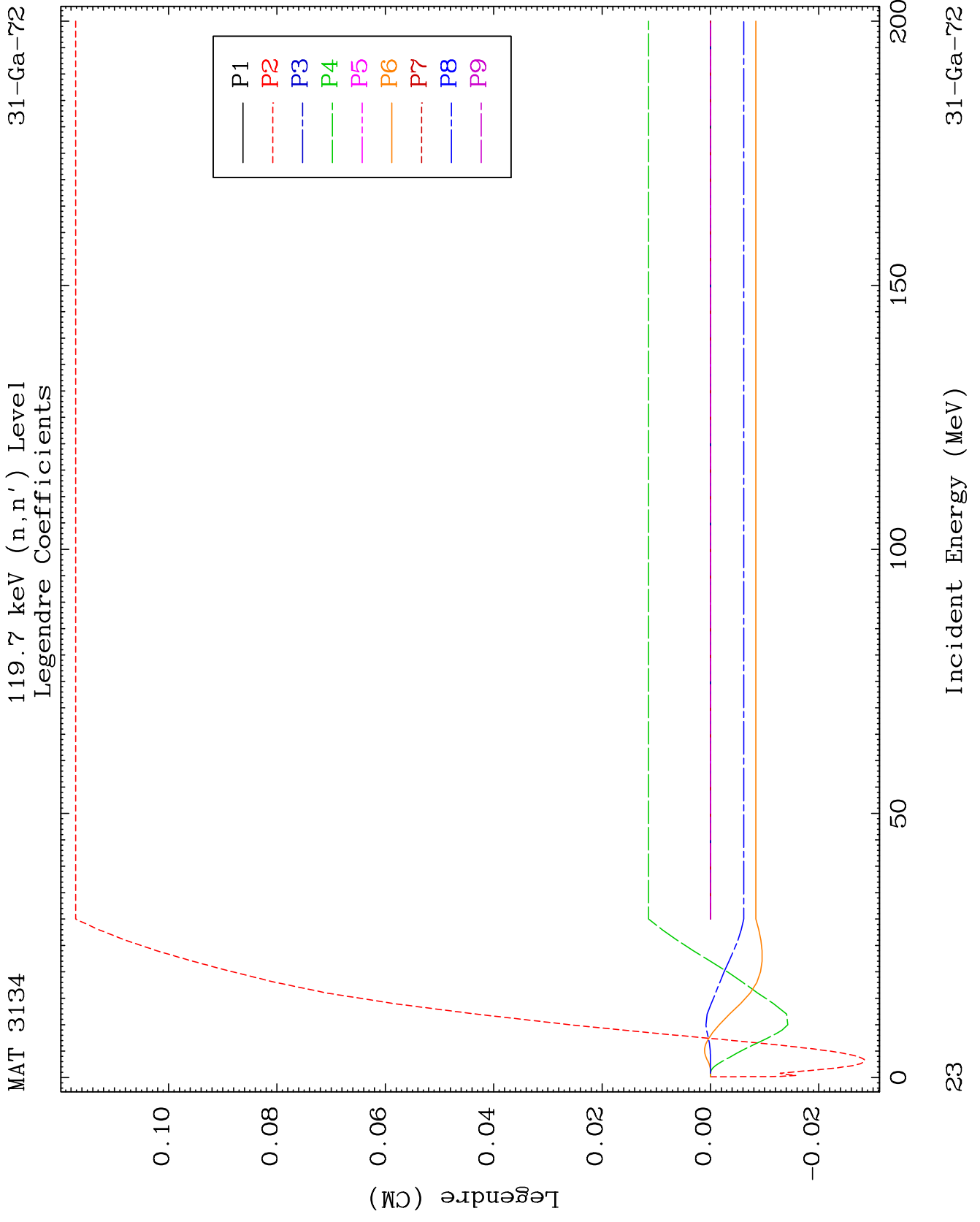


21

Incident Energy (MeV)

31-Ga-72

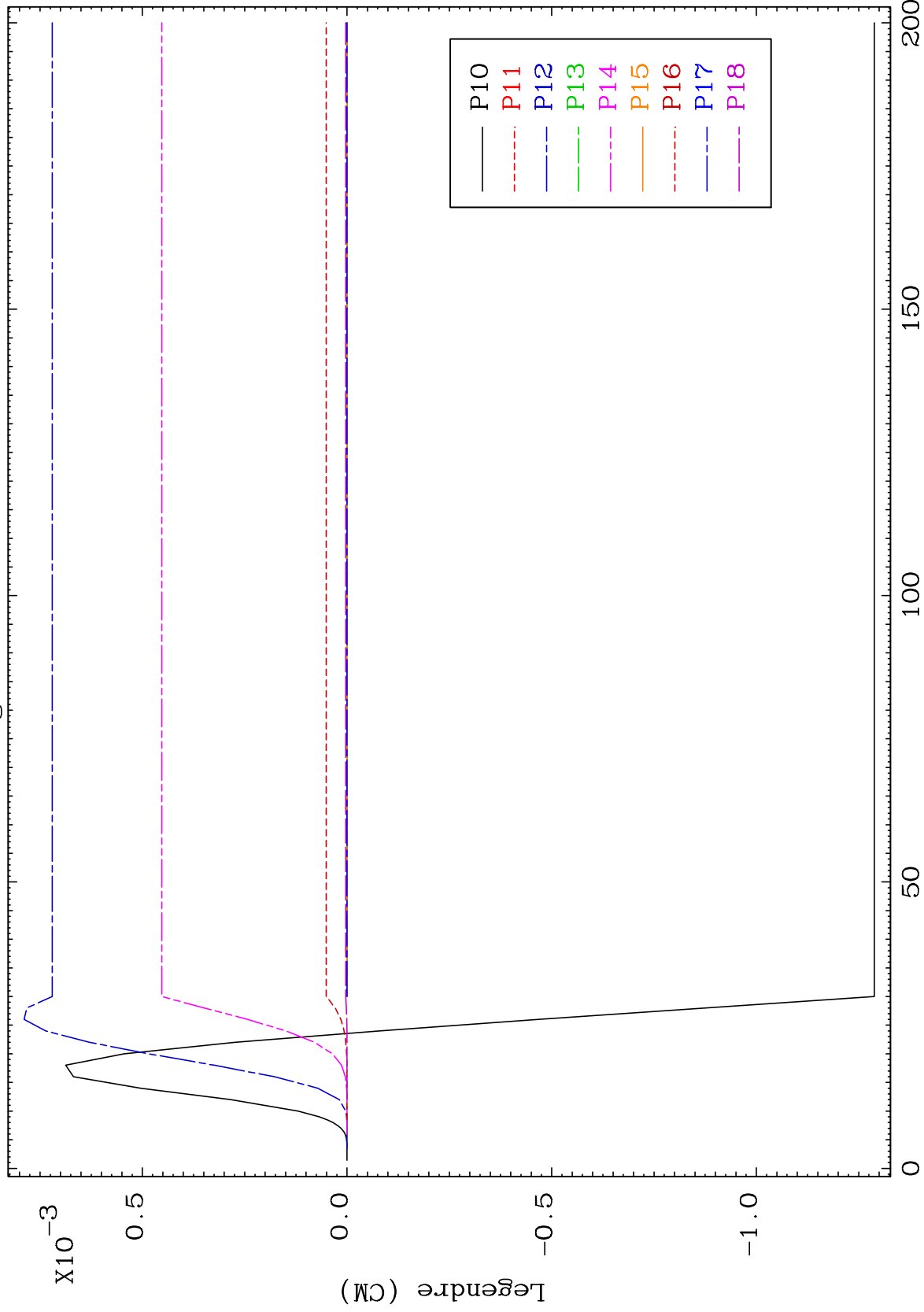




MAT 3134

119.7 keV (n,n') Level
Legendre Coefficients

31-Ga-72



24

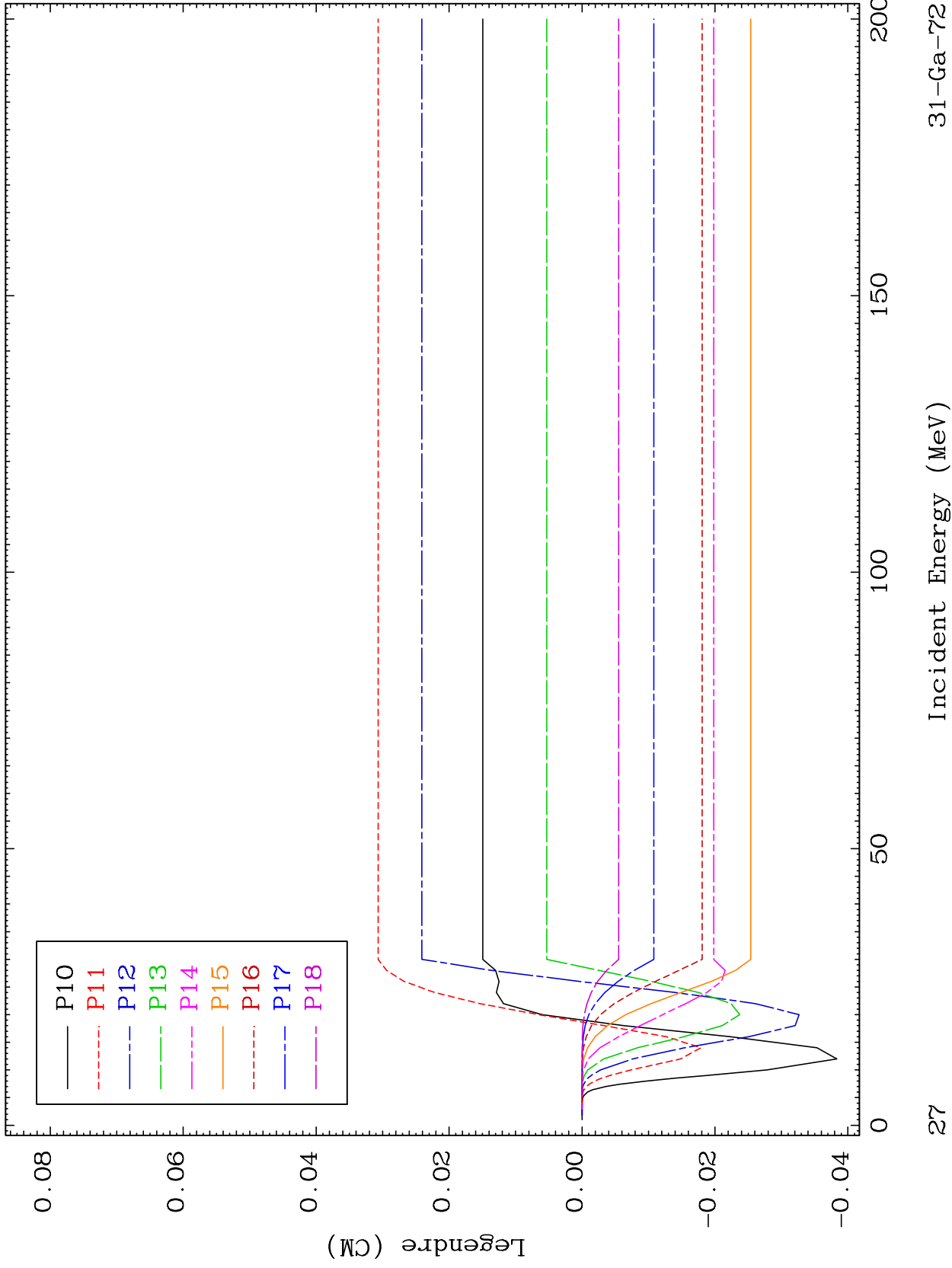
Incident Energy (MeV)

31-Ga-72

MAT 3134

128.8 keV (n,n') Level
Legendre Coefficients

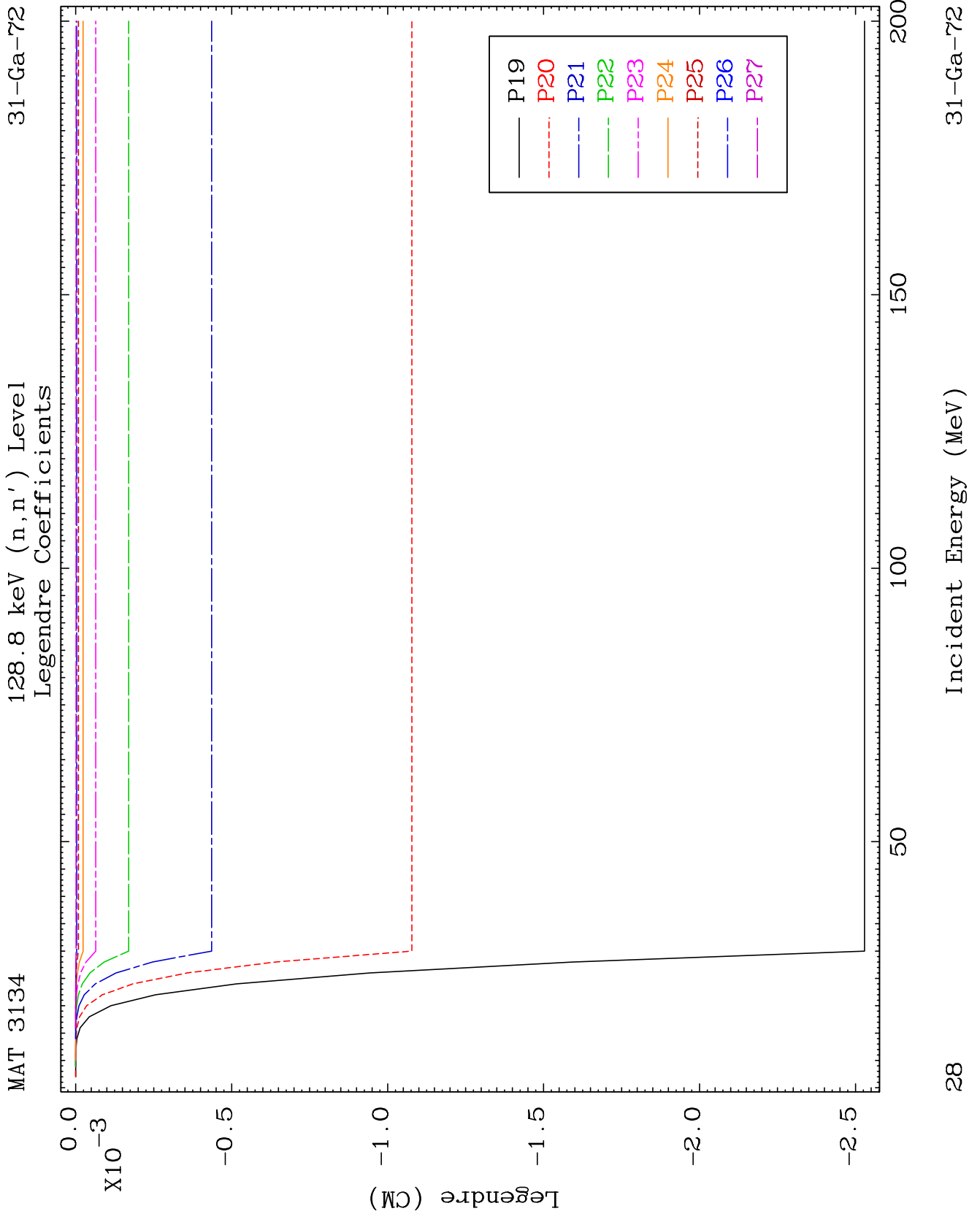
31-Ga-72

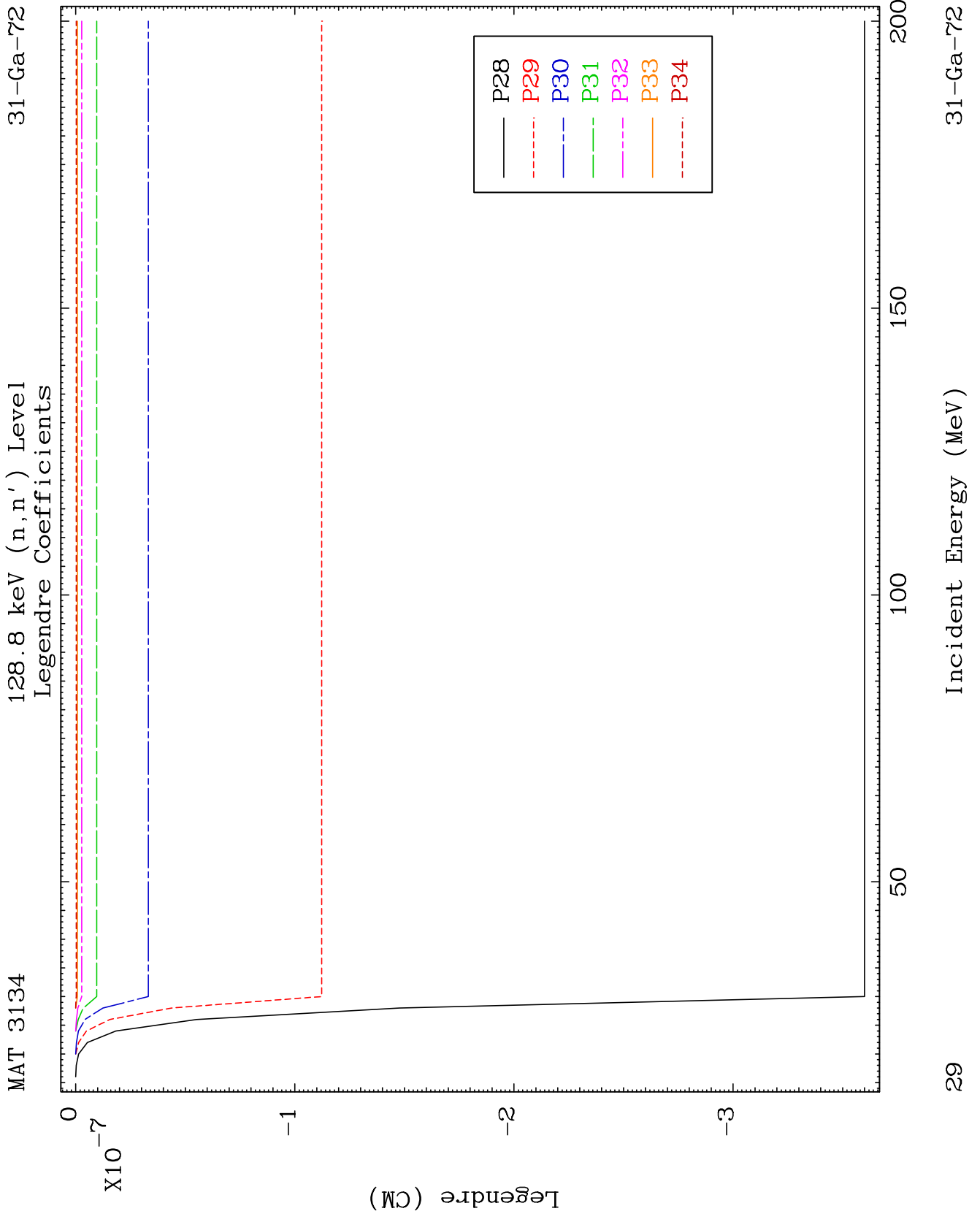


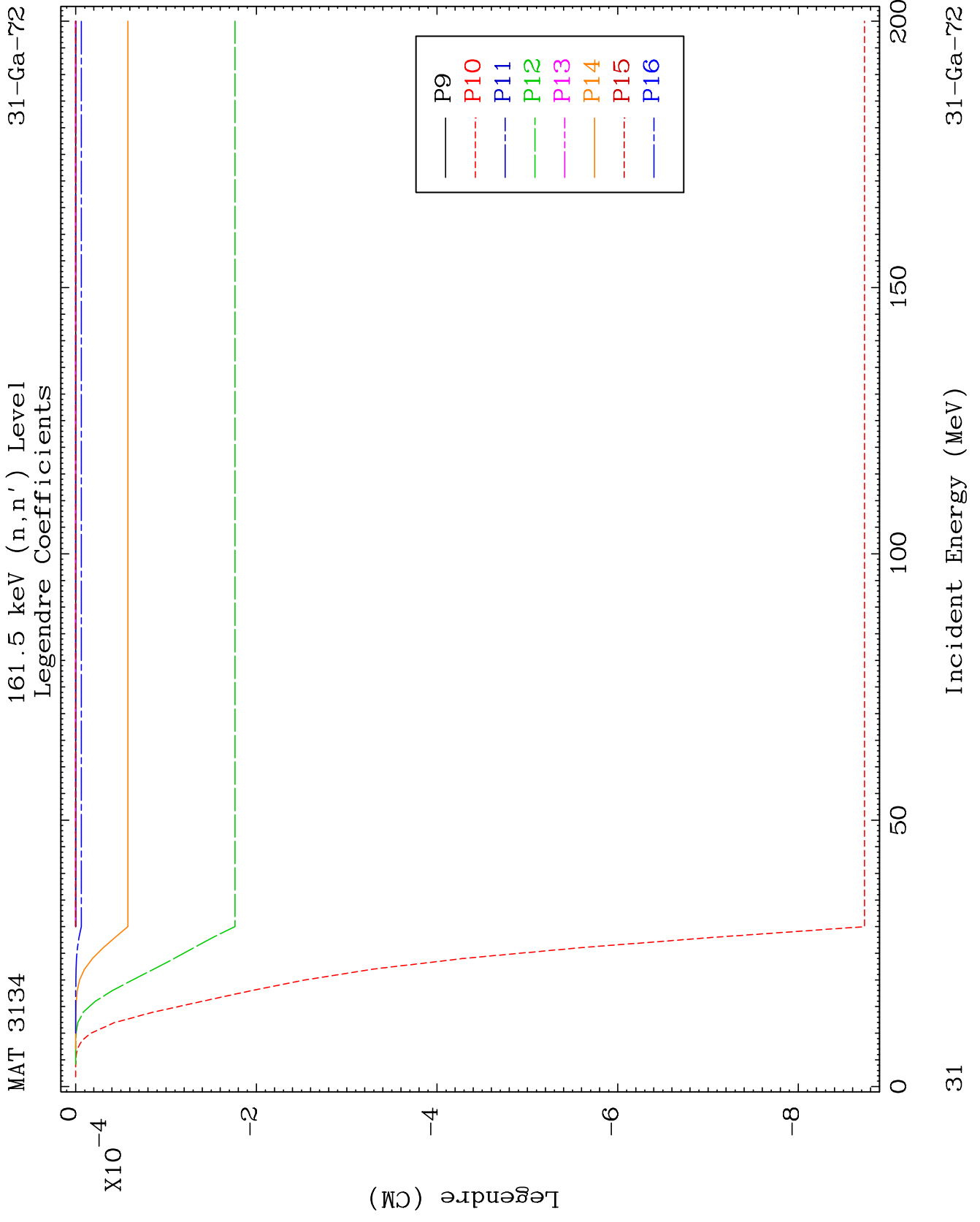
27

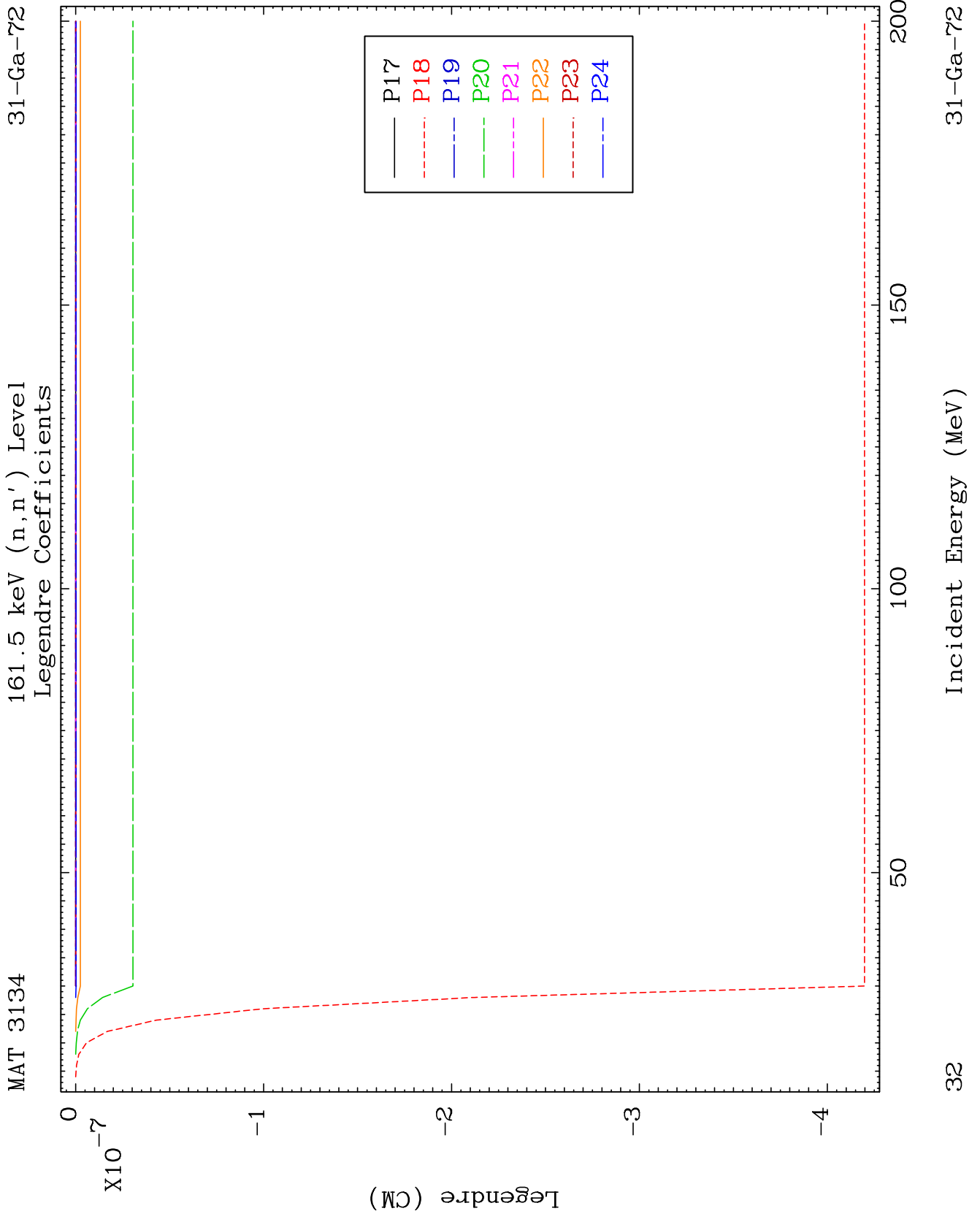
Incident Energy (MeV)

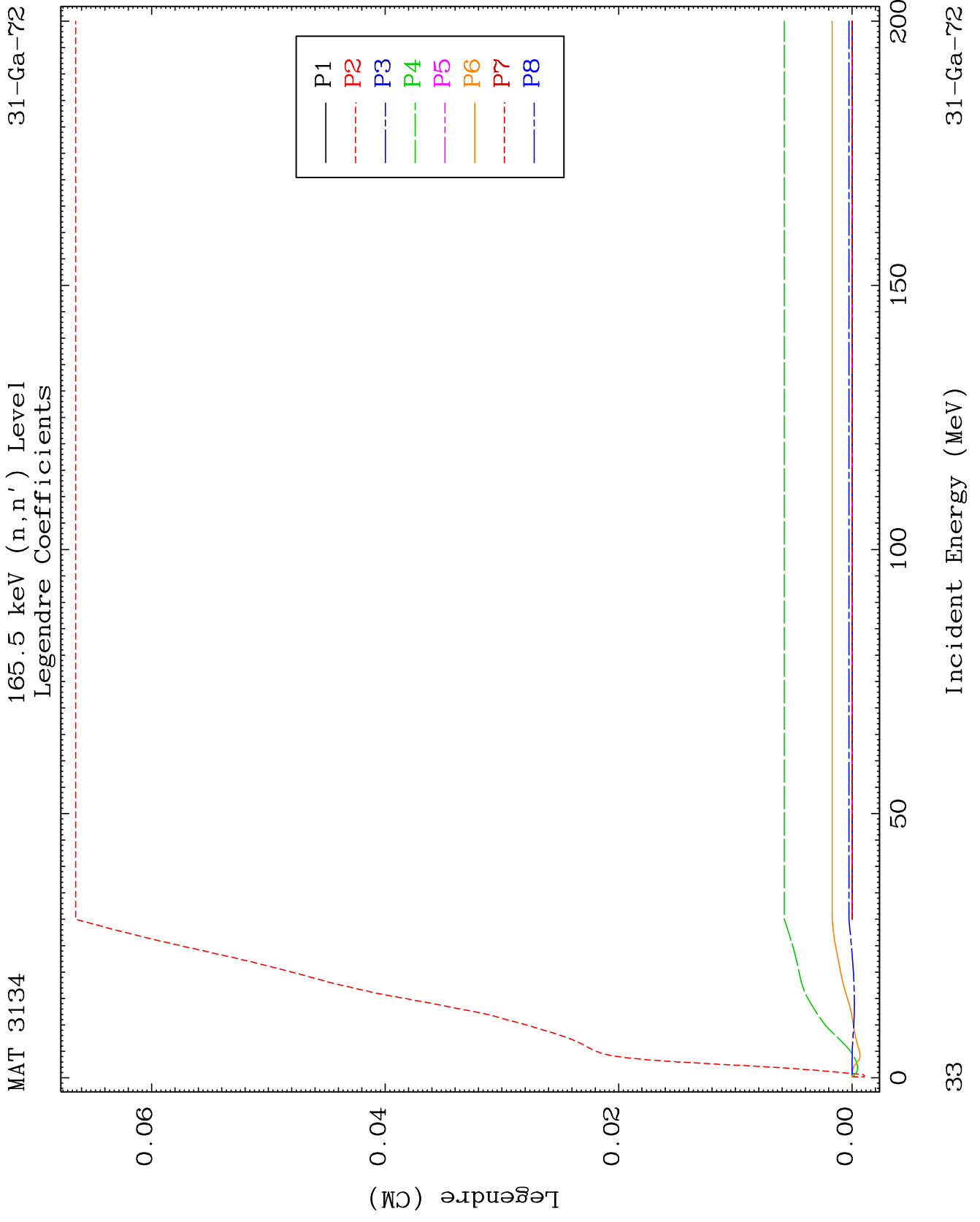
31-Ga-72







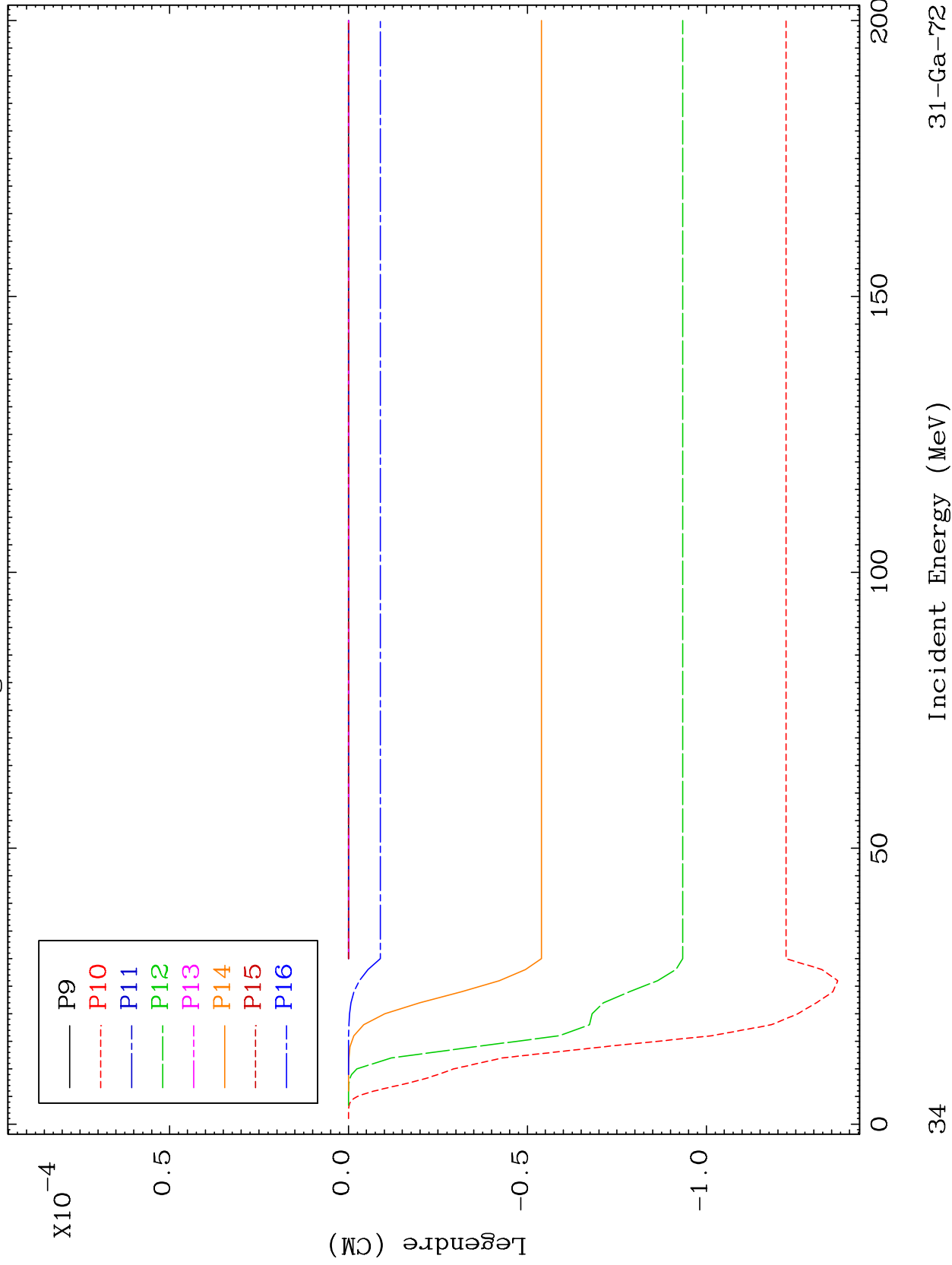




MAT 3134

165.5 keV (n,n') Level
Legendre Coefficients

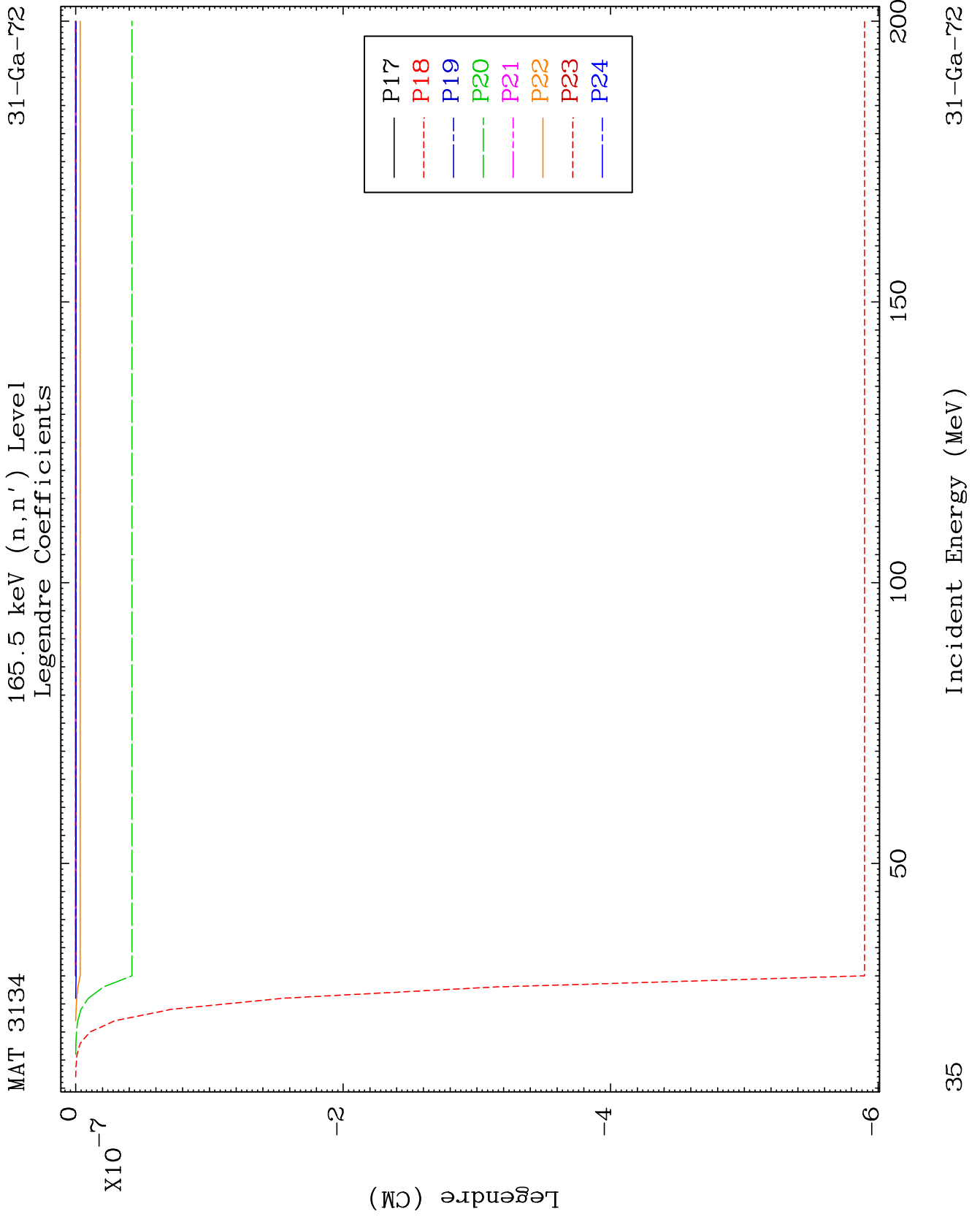
31-Ga-72

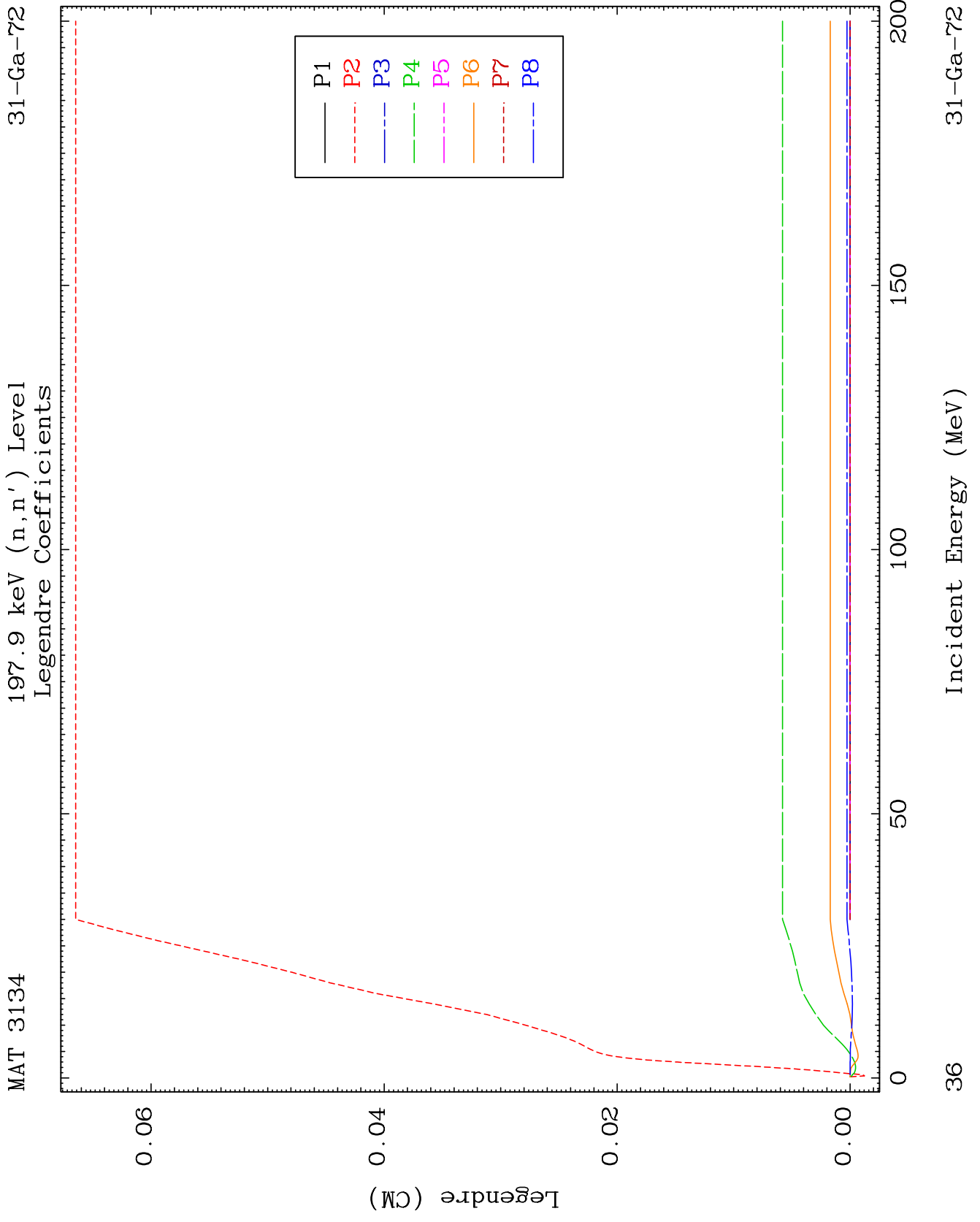


34

Incident Energy (MeV)

31-Ga-72

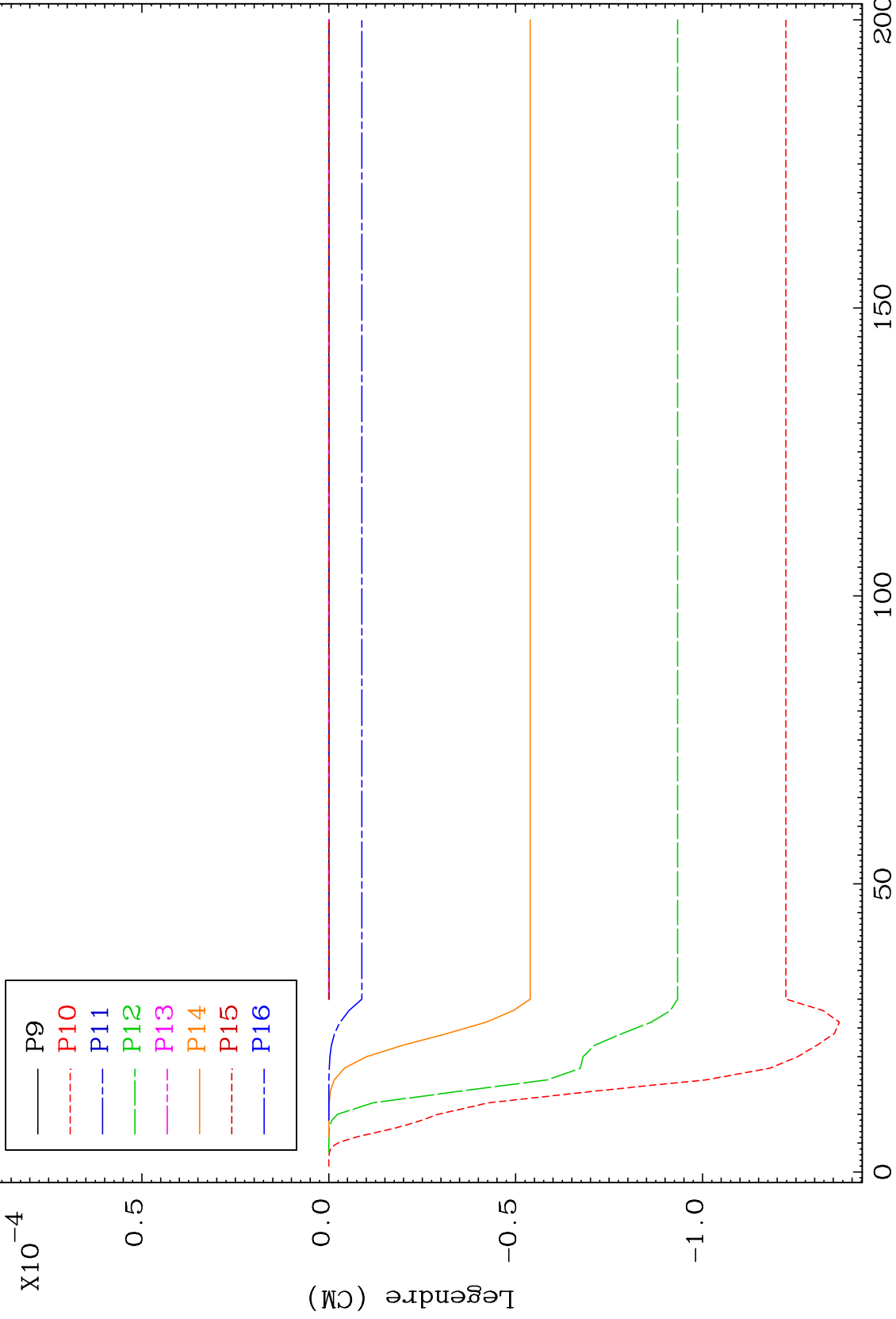
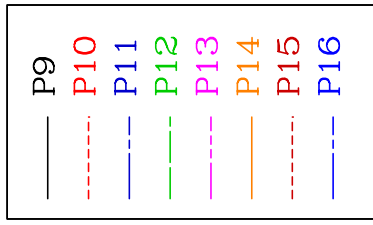




MAT 3134

197.9 keV (n,n') Level
Legendre Coefficients

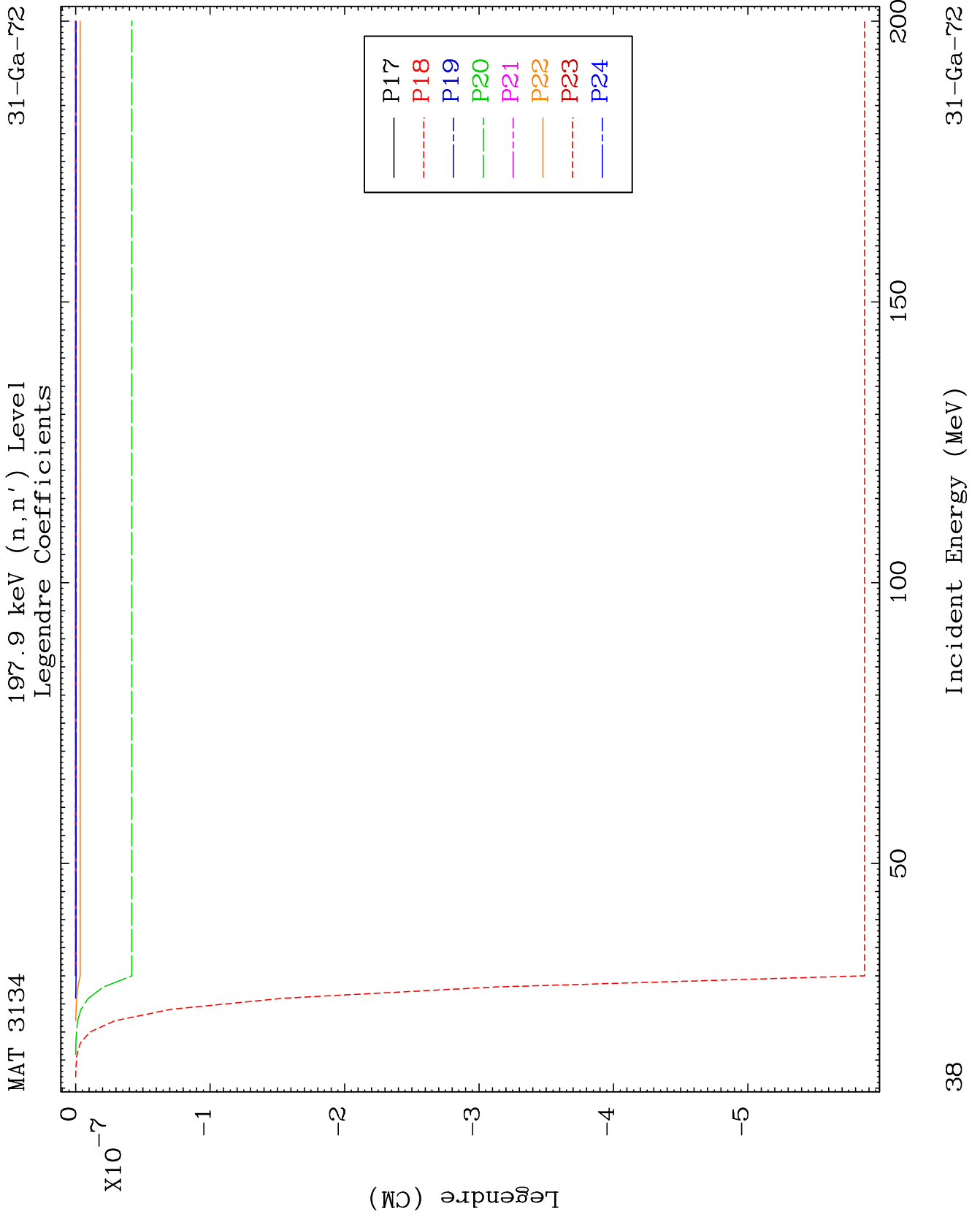
31-Ga-72

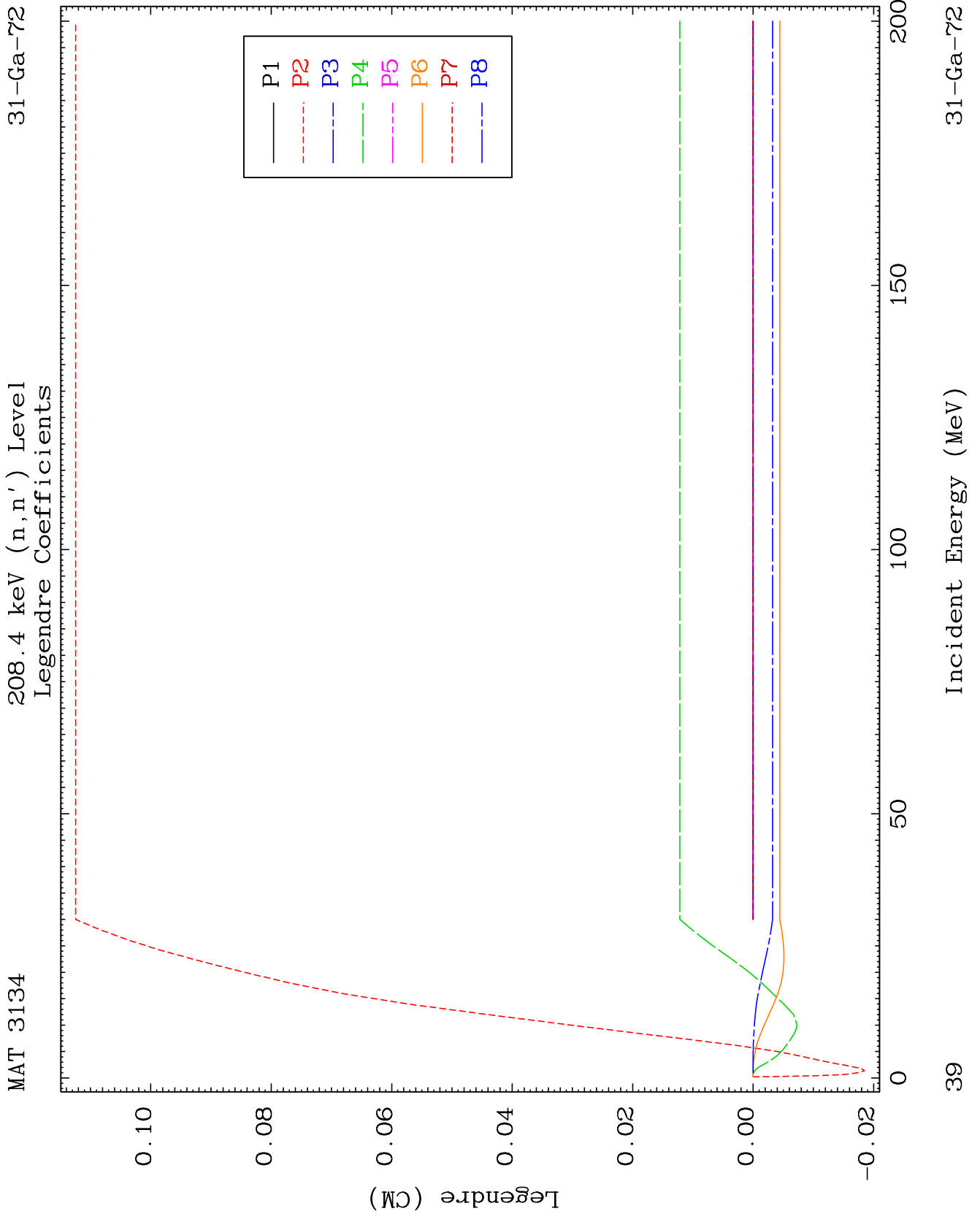


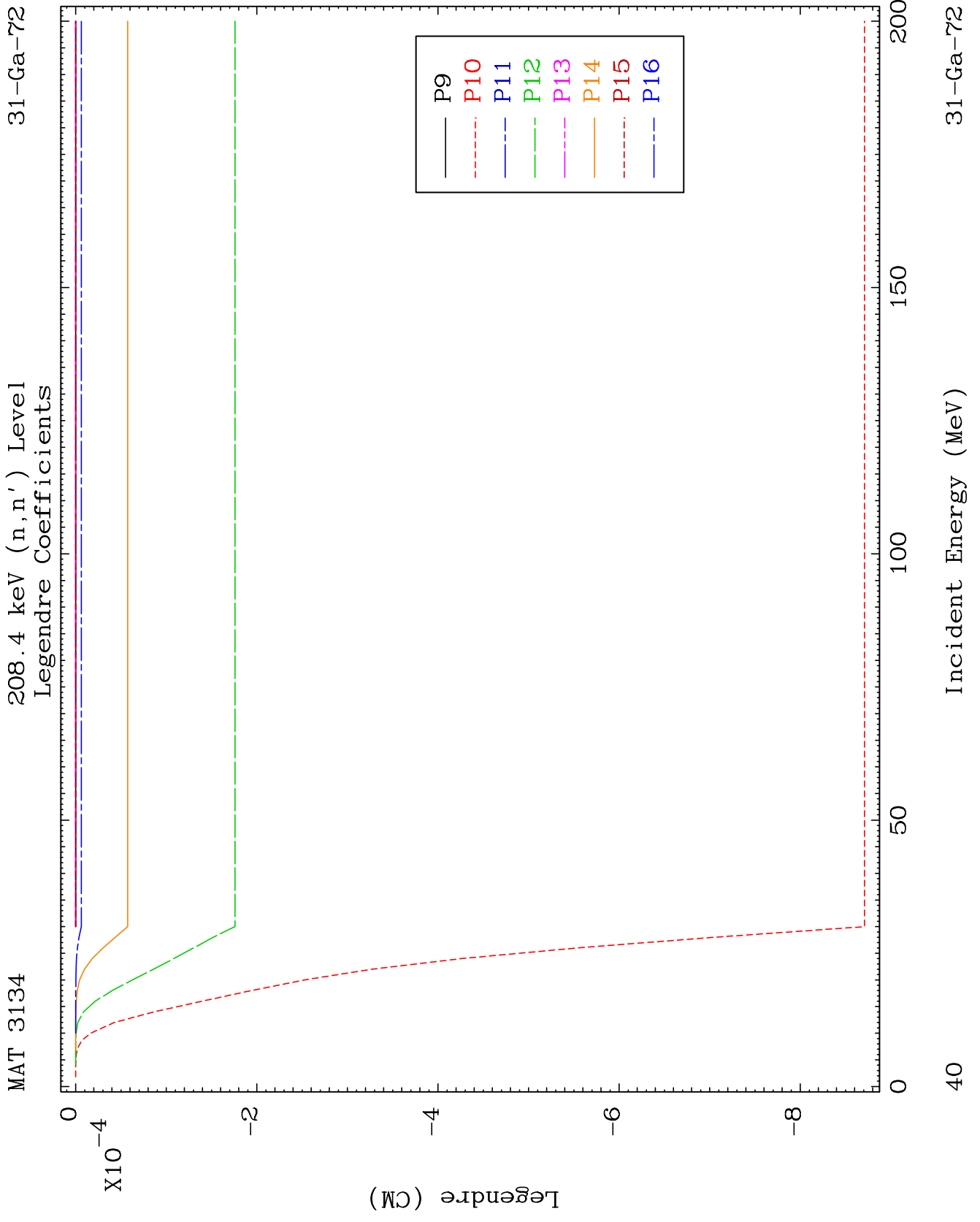
37

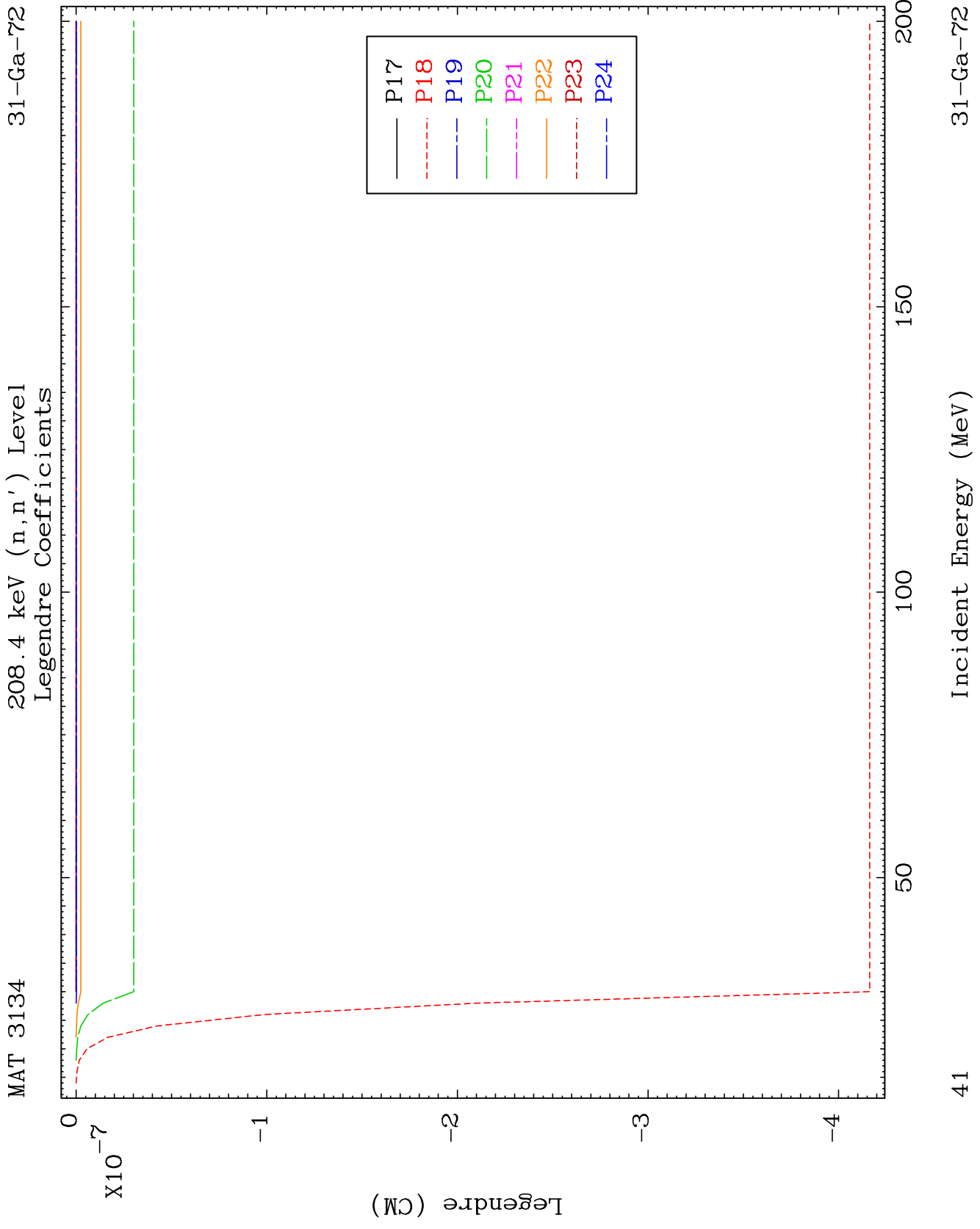
Incident Energy (MeV)

31-Ga-72





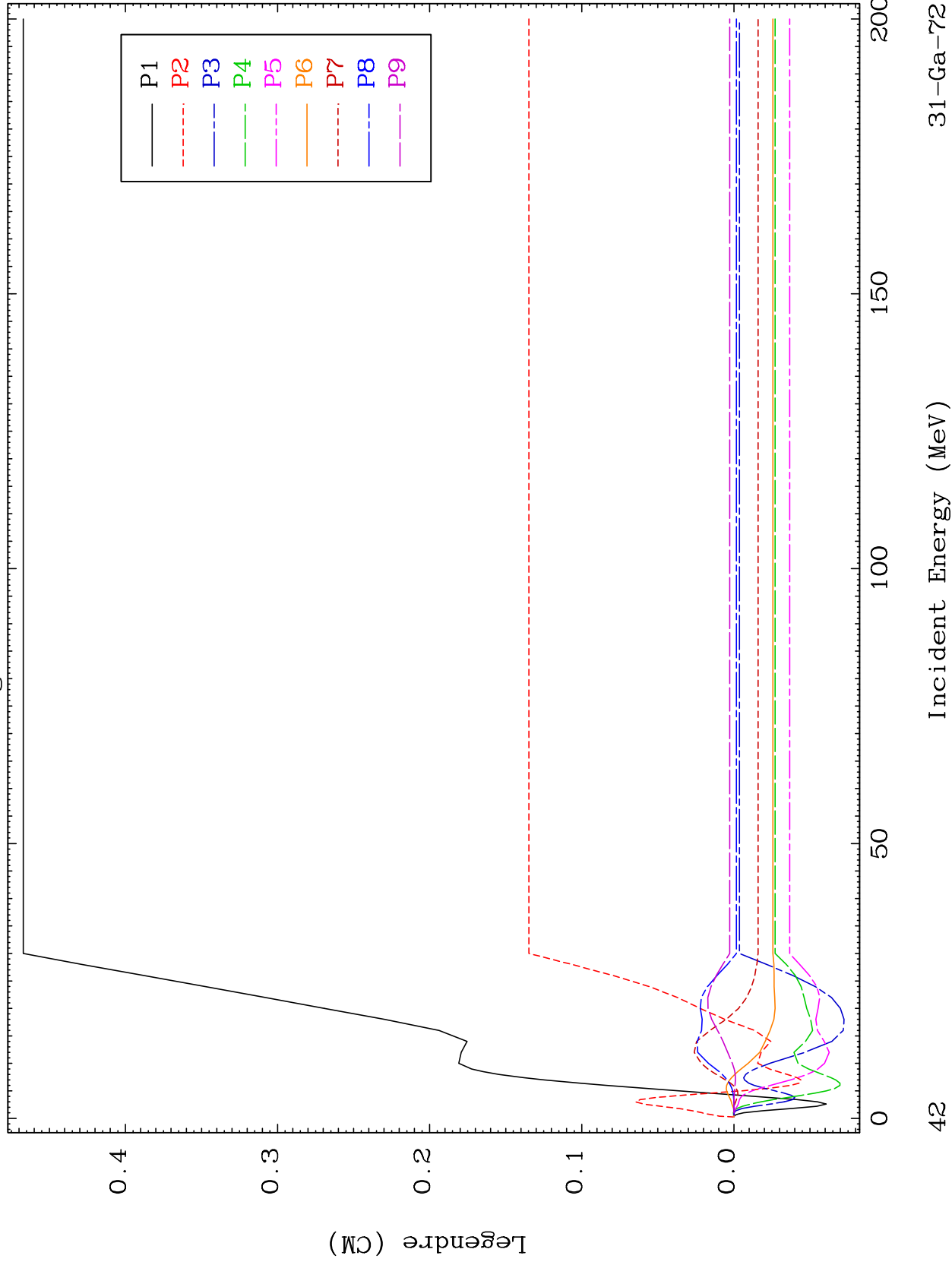




MAT 3134

228.9 keV (n,n') Level
Legendre Coefficients

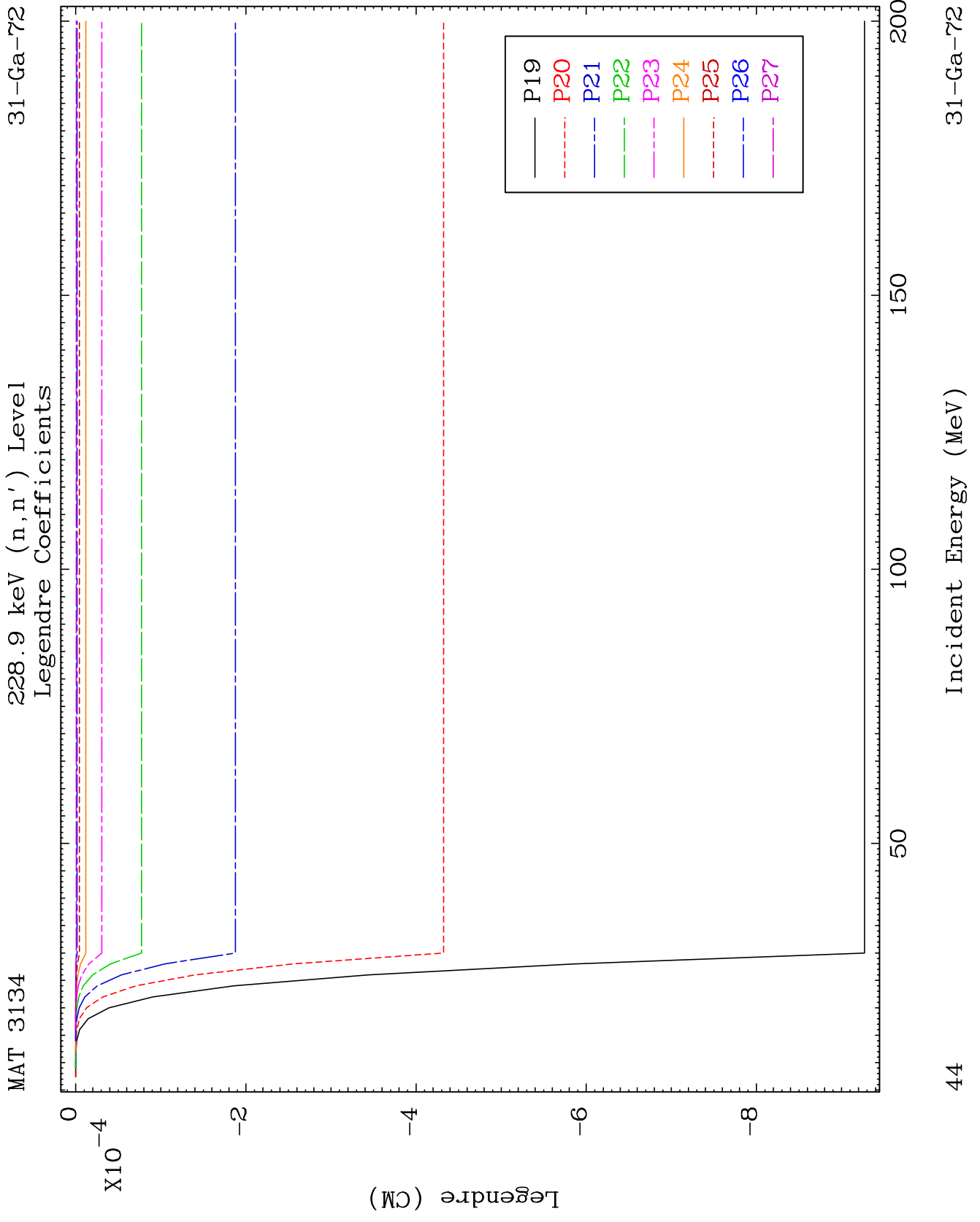
31-Ga-72



31-Ga-72

Incident Energy (MeV)

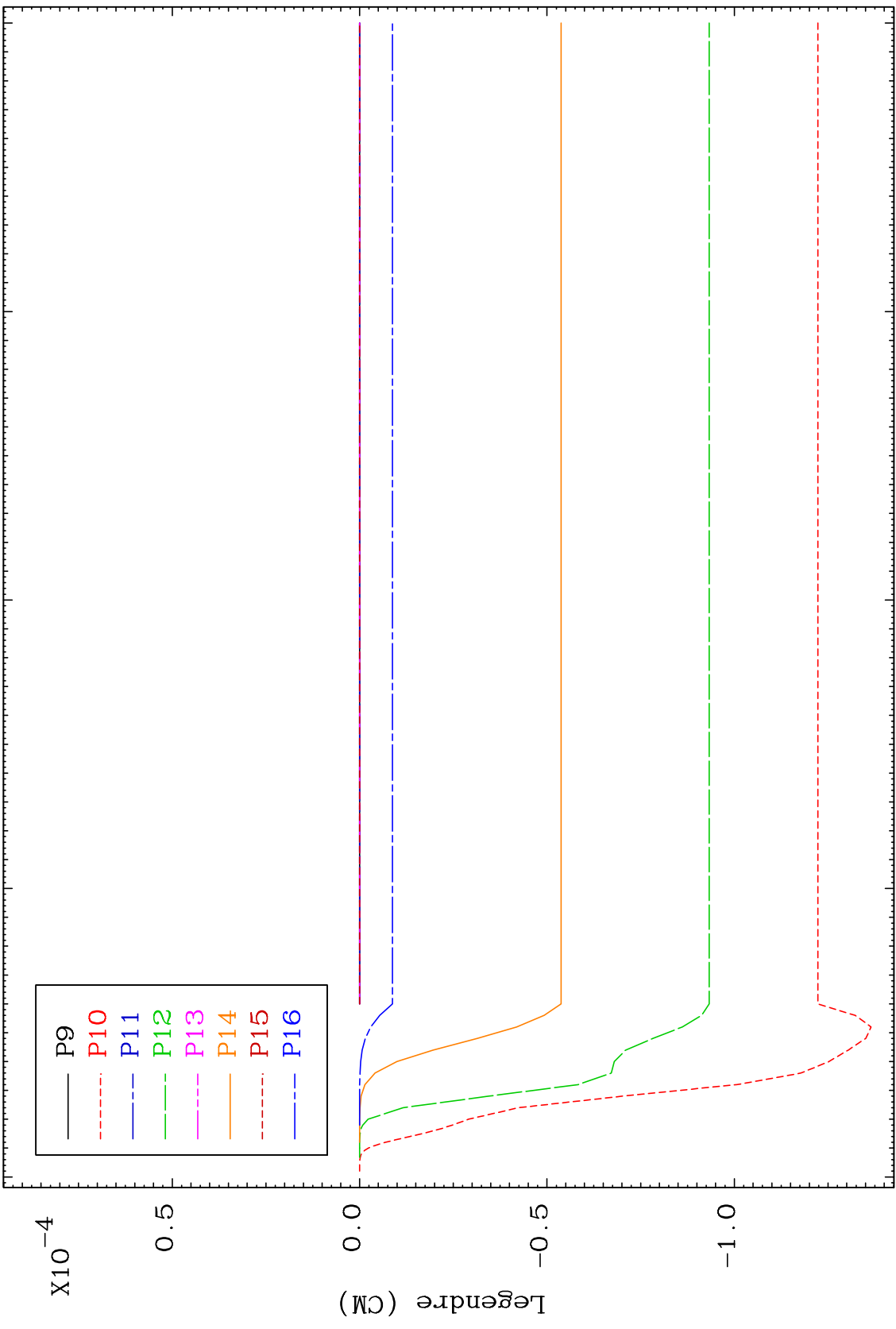
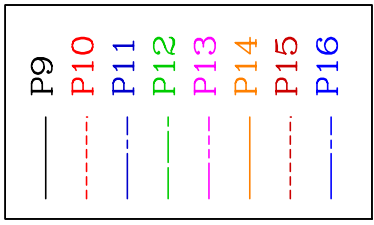
42



MAT 3134

248.9 keV (n,n') Level
Legendre Coefficients

31-Ga-72



200

150

100

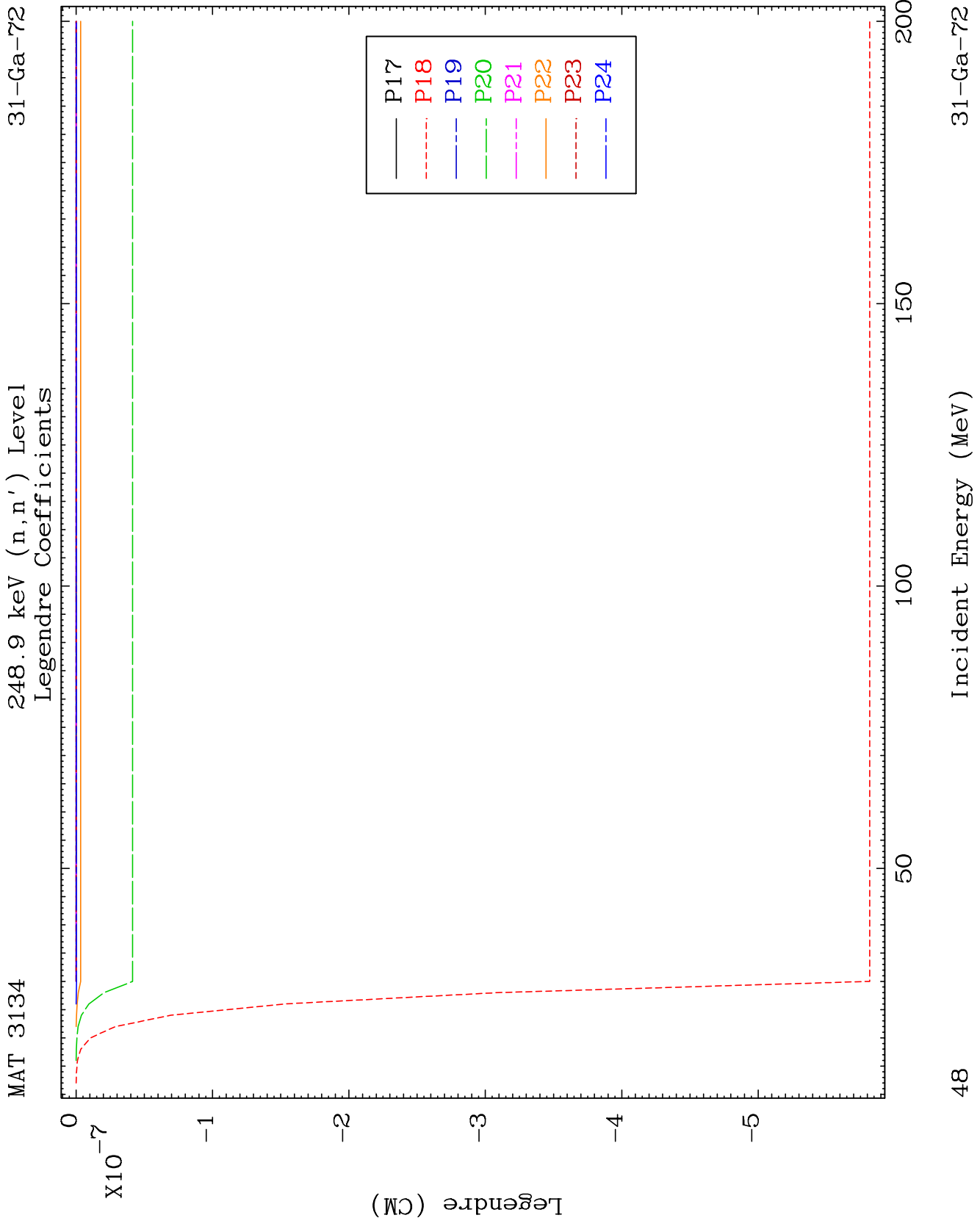
50

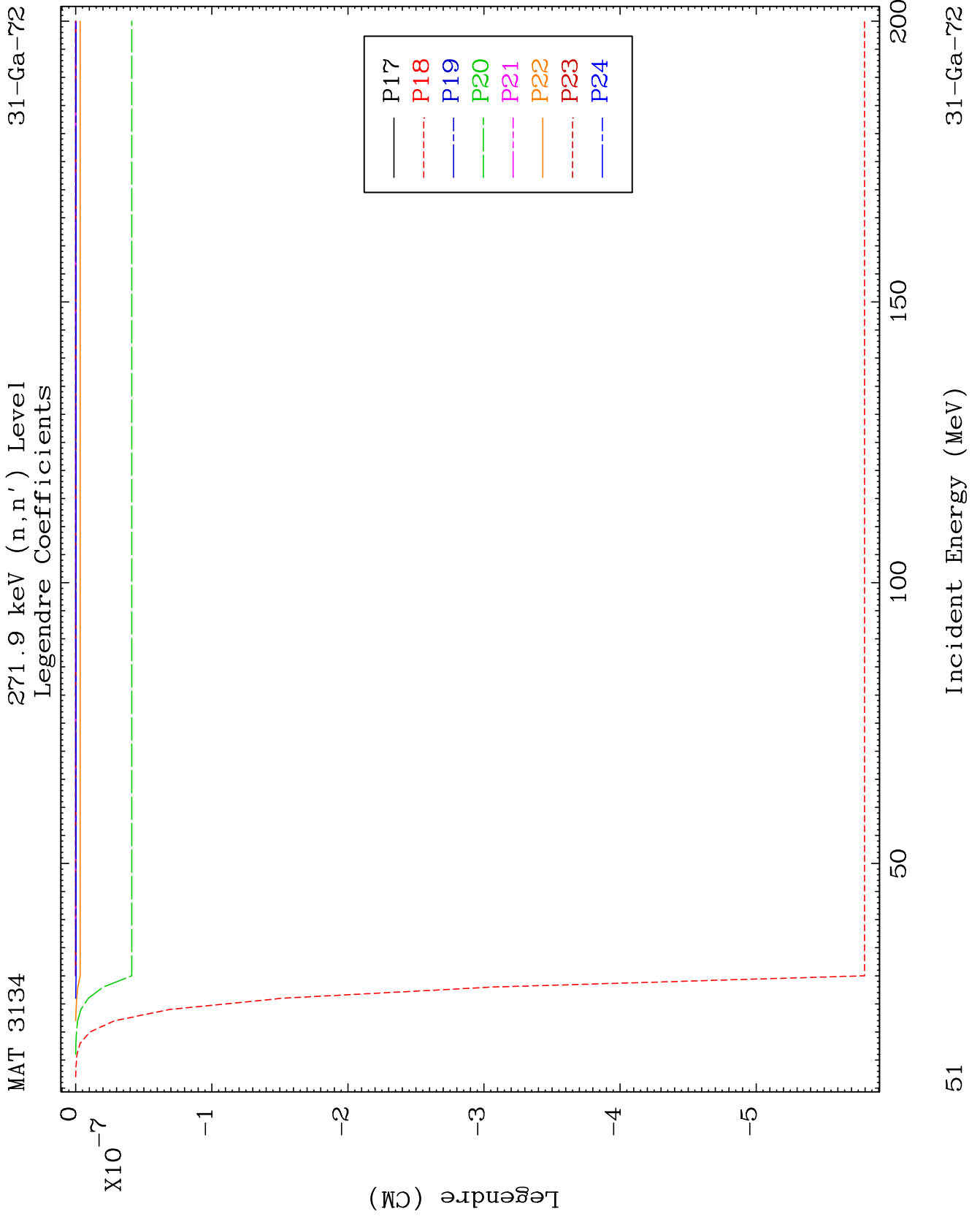
0

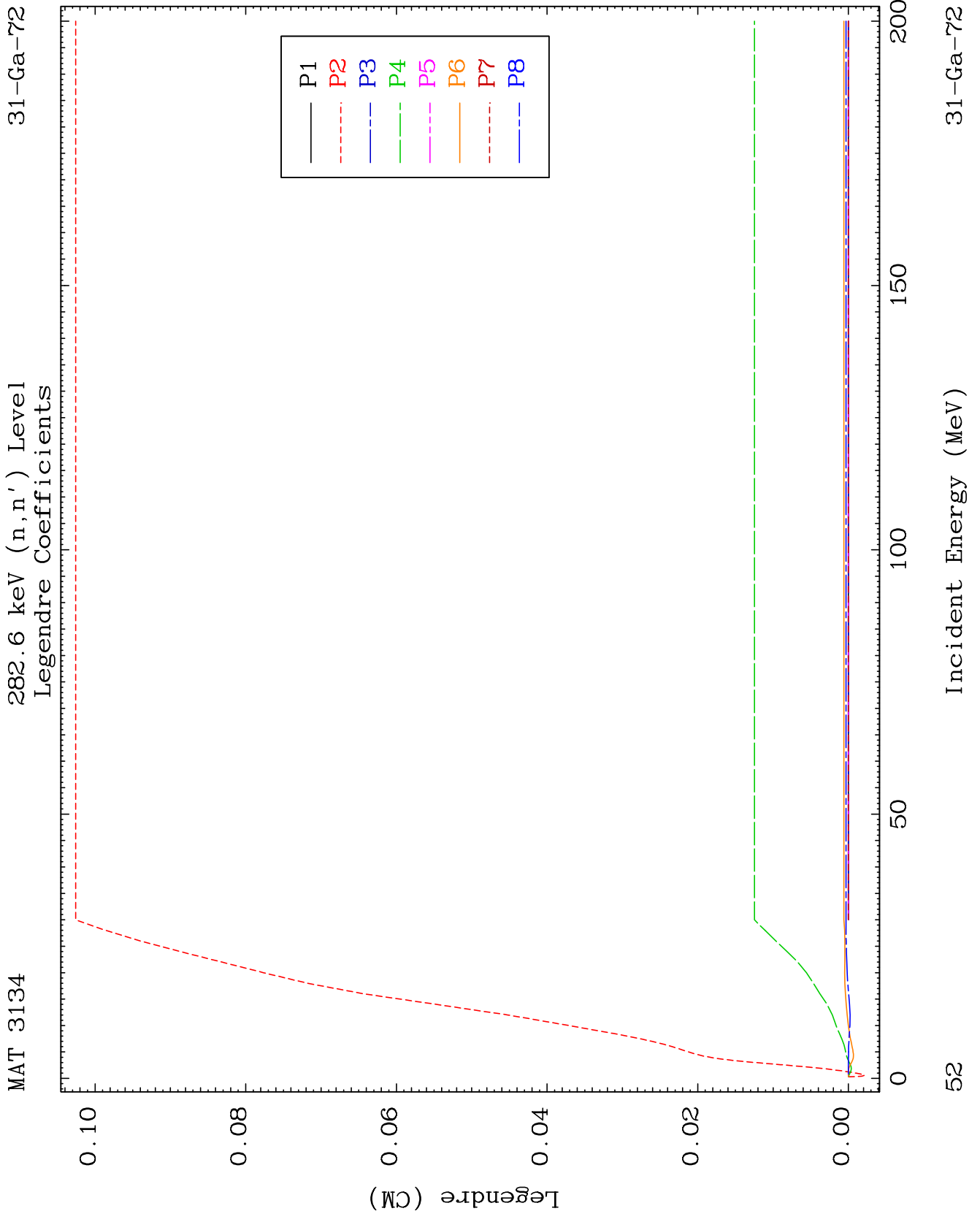
47

Incident Energy (MeV)

31-Ga-72



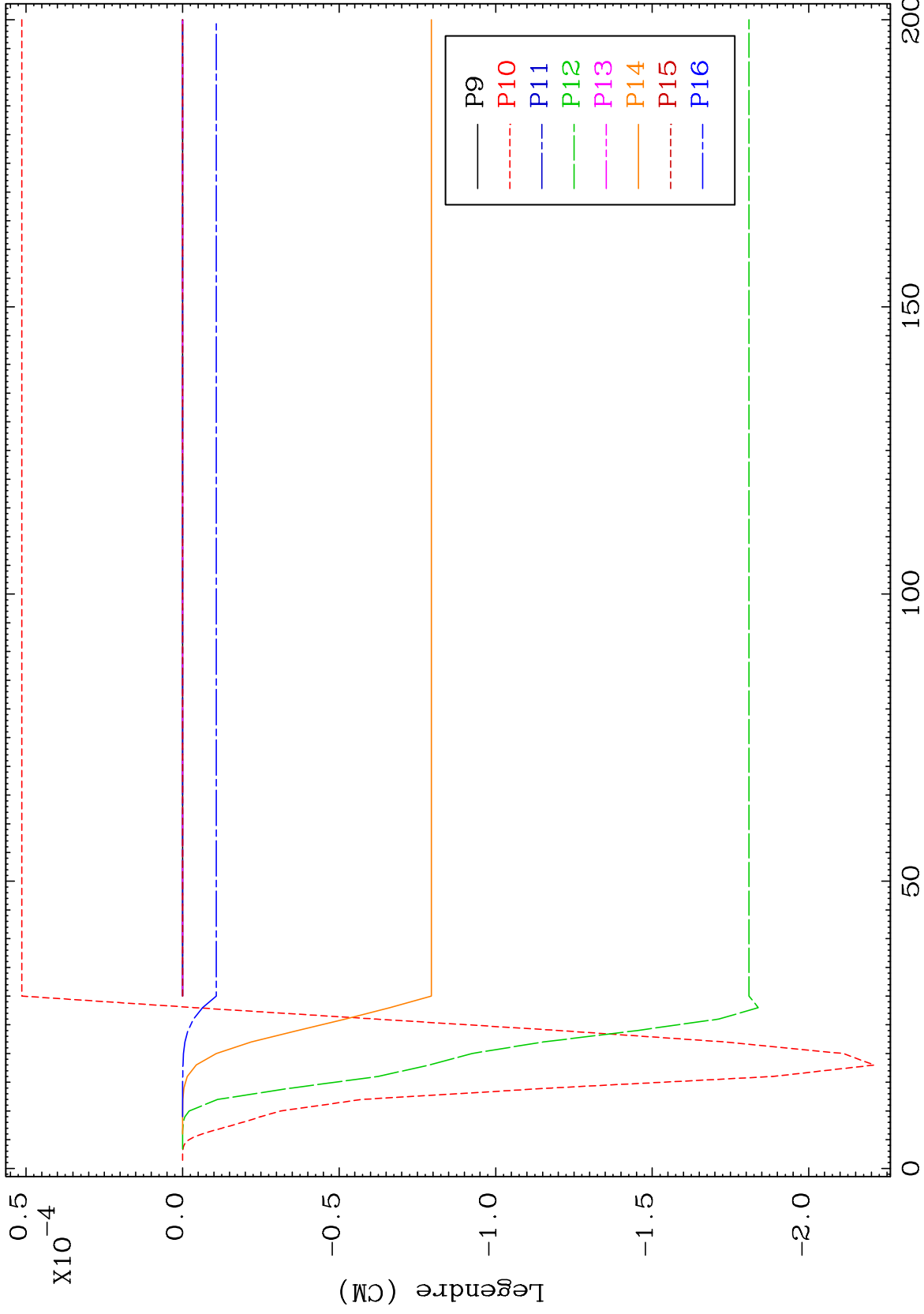




MAT 3134

282.6 keV (n,n') Level
Legendre Coefficients

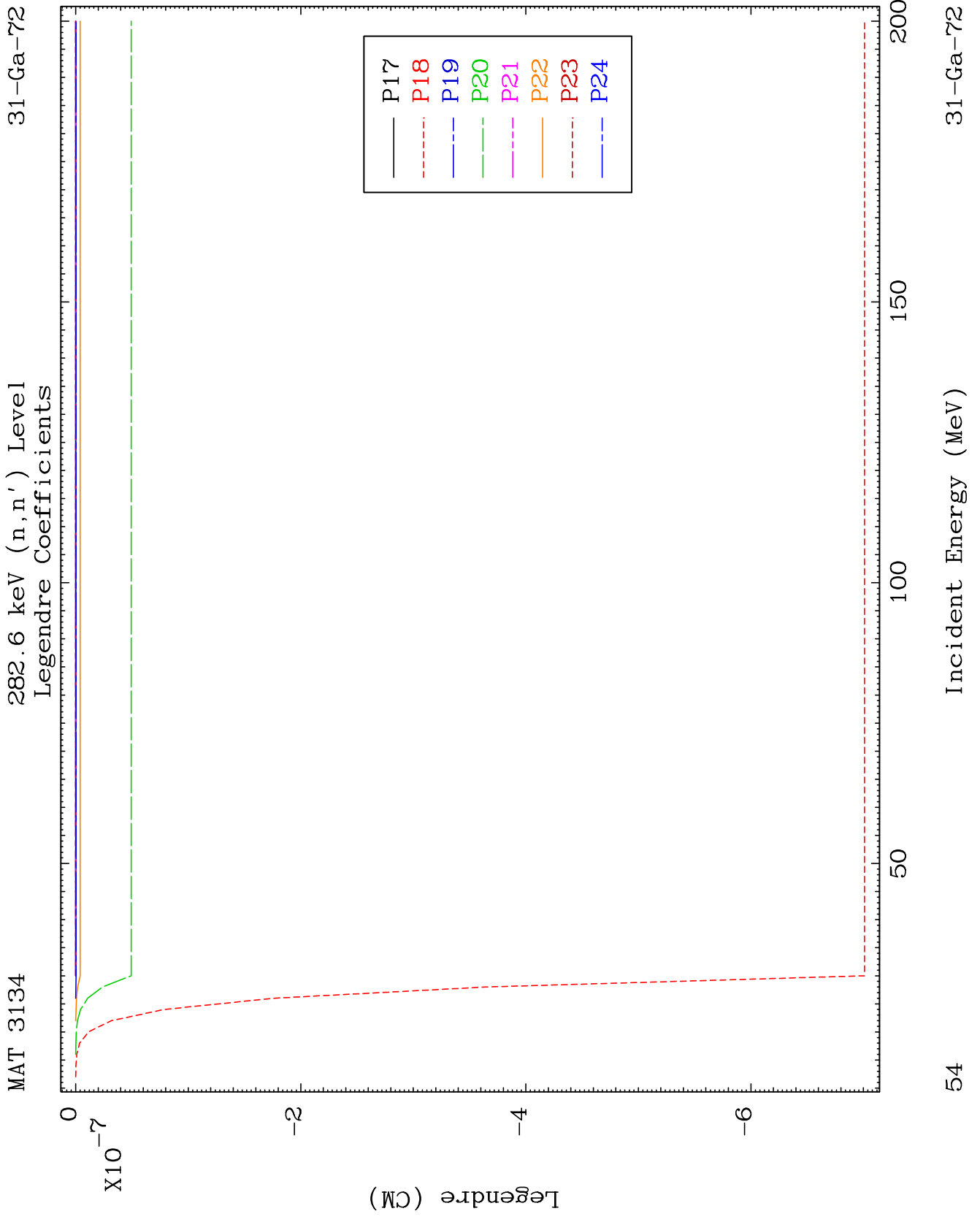
31-Ga-72



53

Incident Energy (MeV)

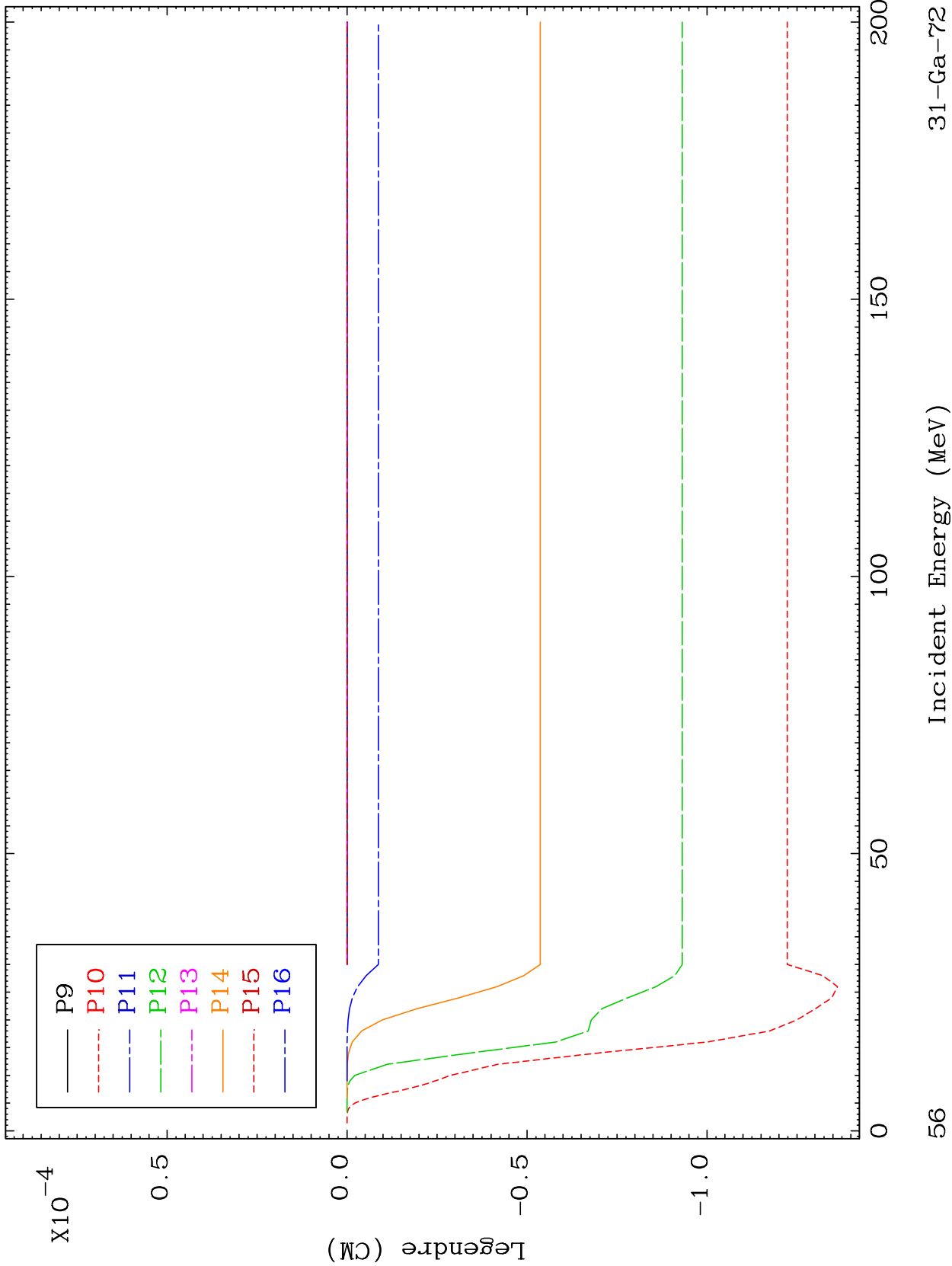
31-Ga-72



MAT 3134

330.1 keV (n,n') Level
Legendre Coefficients

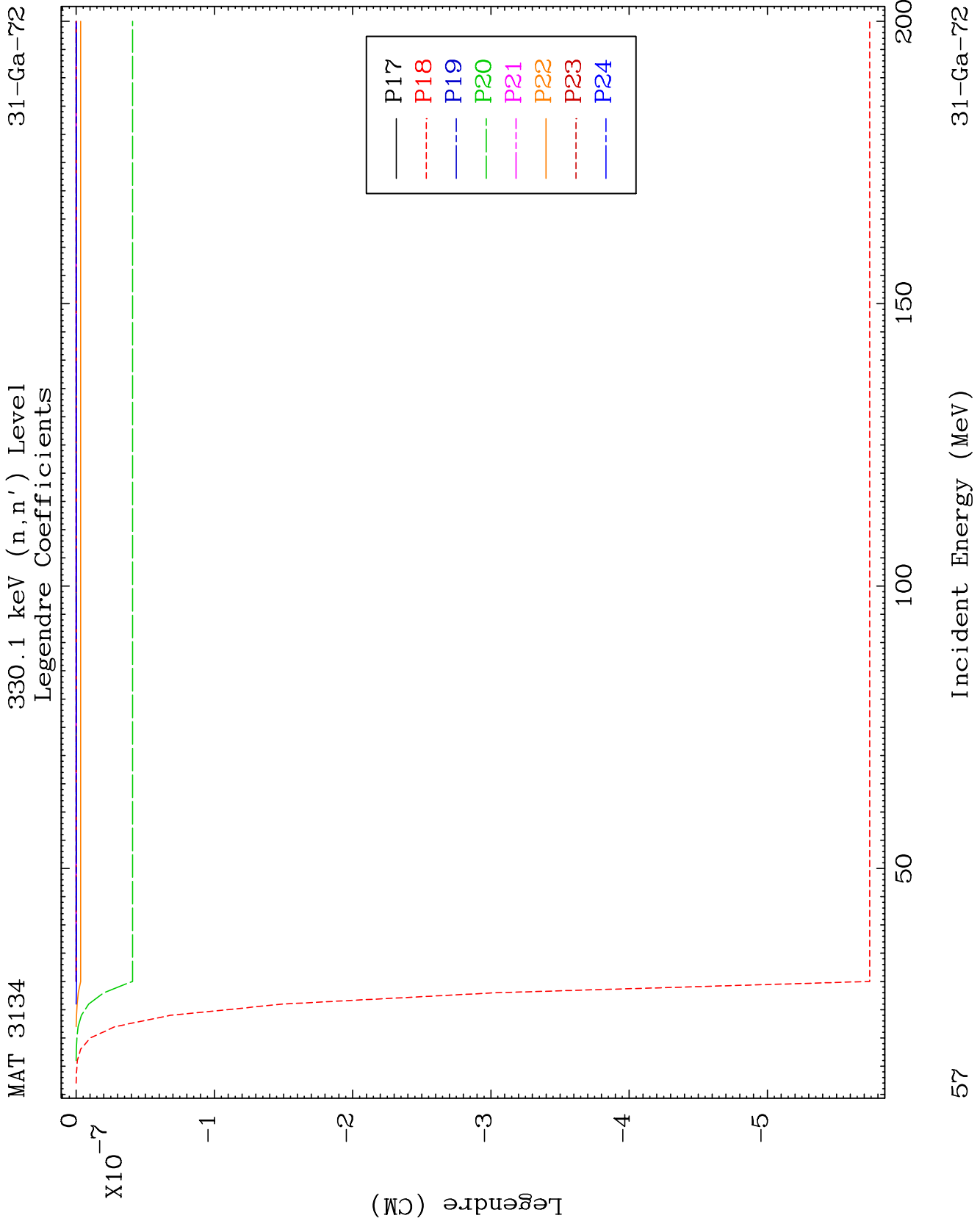
31-Ga-72



56

Incident Energy (MeV)

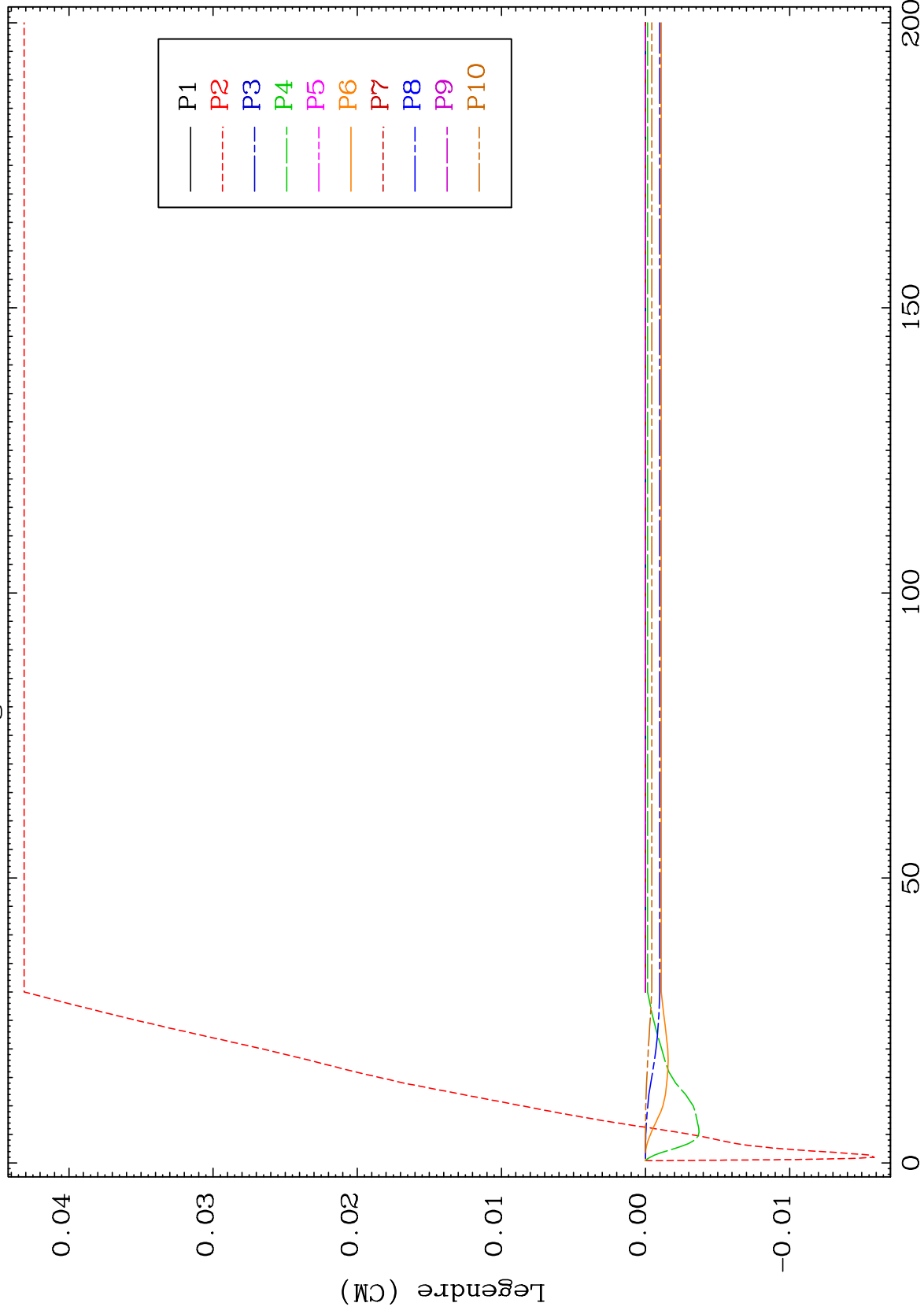
31-Ga-72



MAT 3134

385.0 keV (n,n') Level
Legendre Coefficients

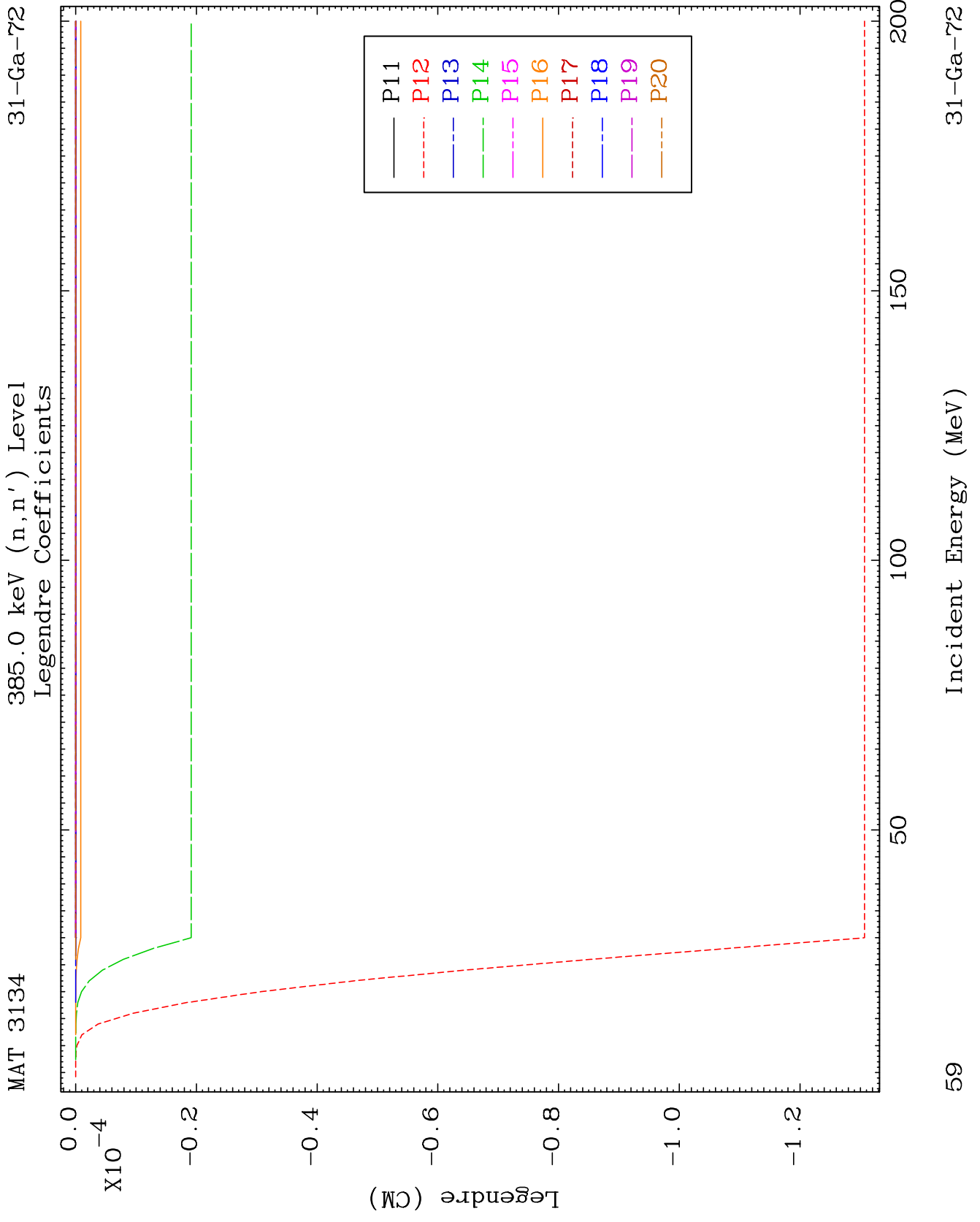
31-Ga-72



58

Incident Energy (MeV)

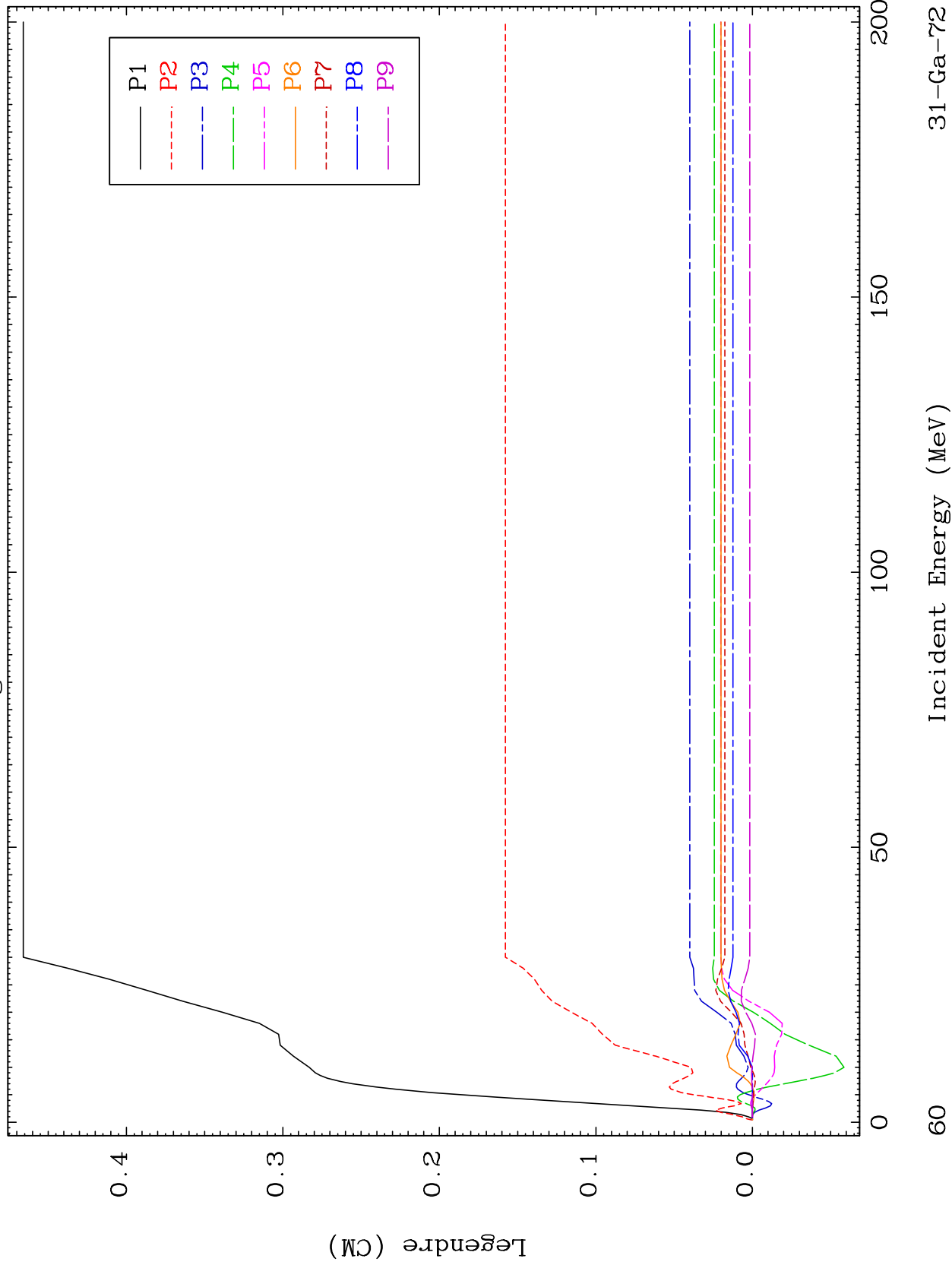
31-Ga-72



MAT 3134

392.5 keV (n,n') Level
Legendre Coefficients

31-Ga-72

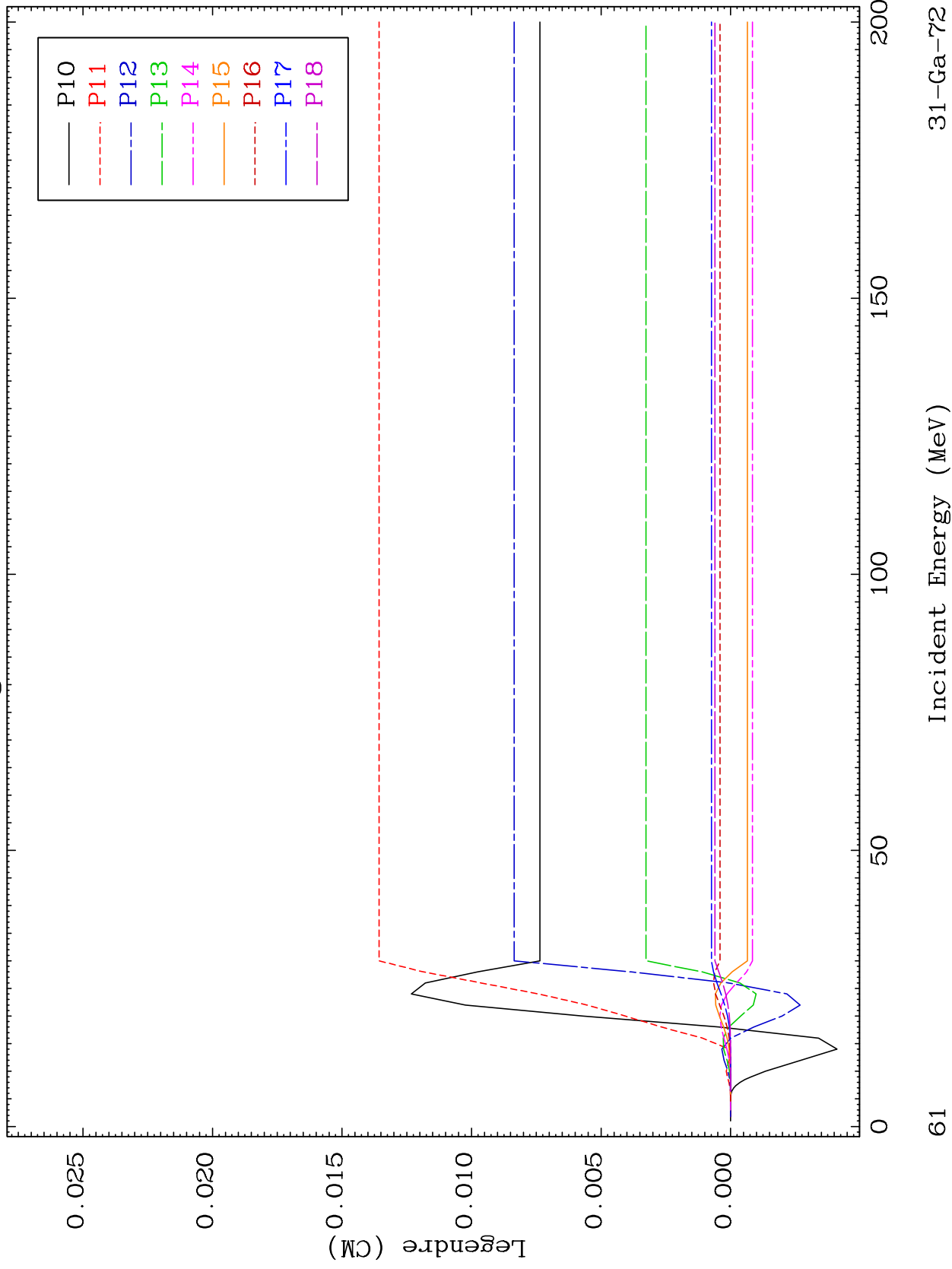


31-Ga-72

MAT 3134

392.5 keV (n,n') Level
Legendre Coefficients

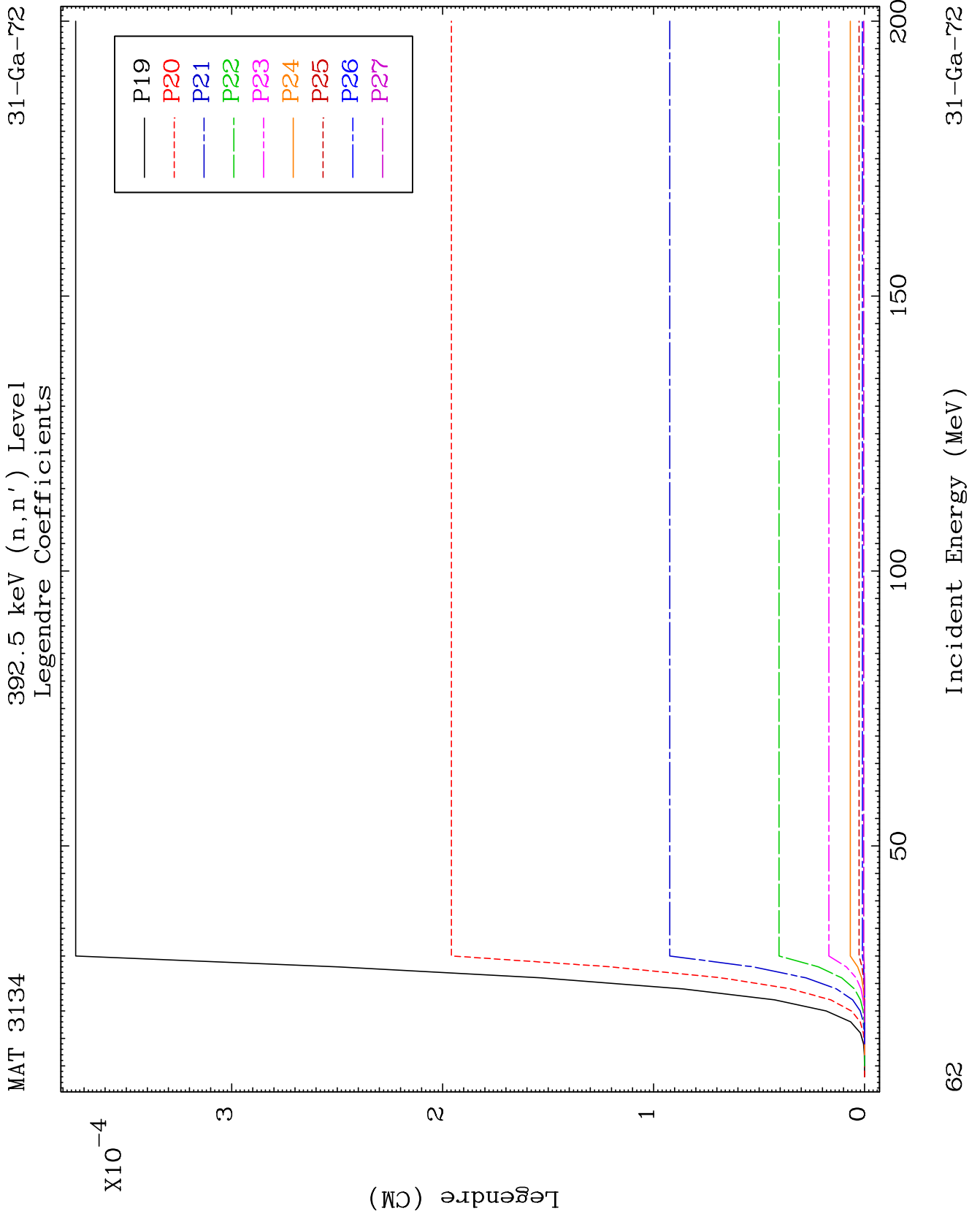
31-Ga-72

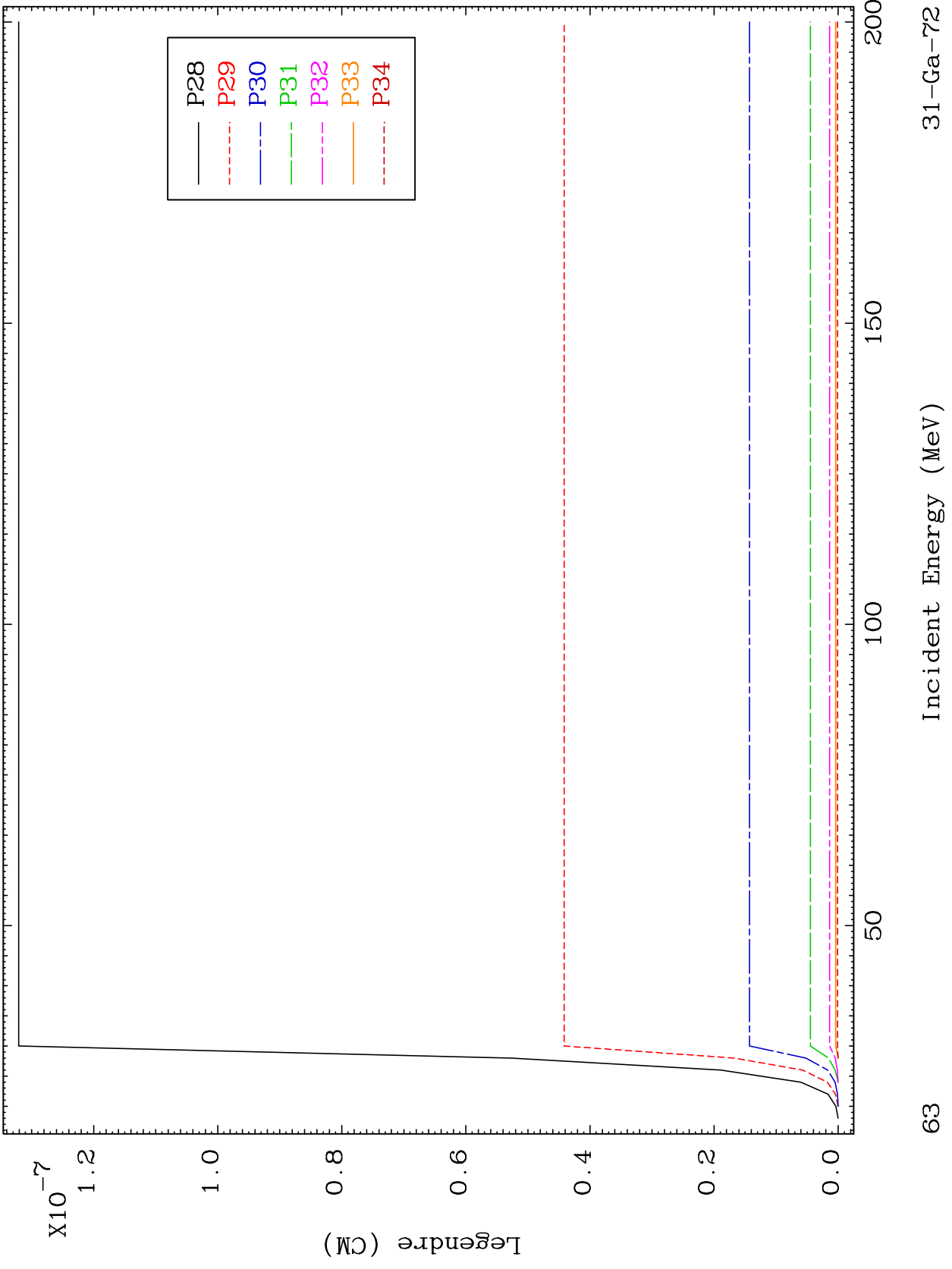


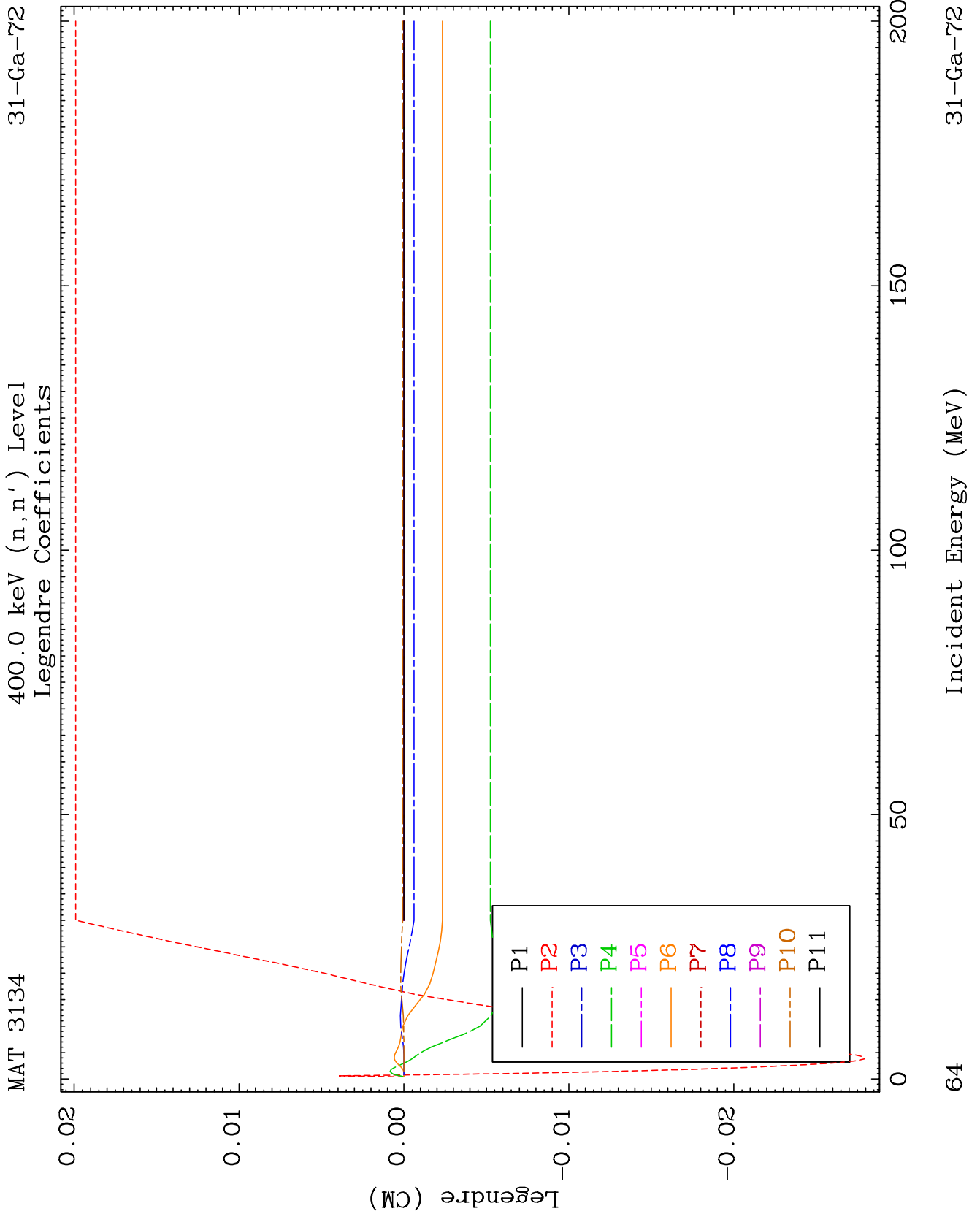
31-Ga-72

Incident Energy (MeV)

61



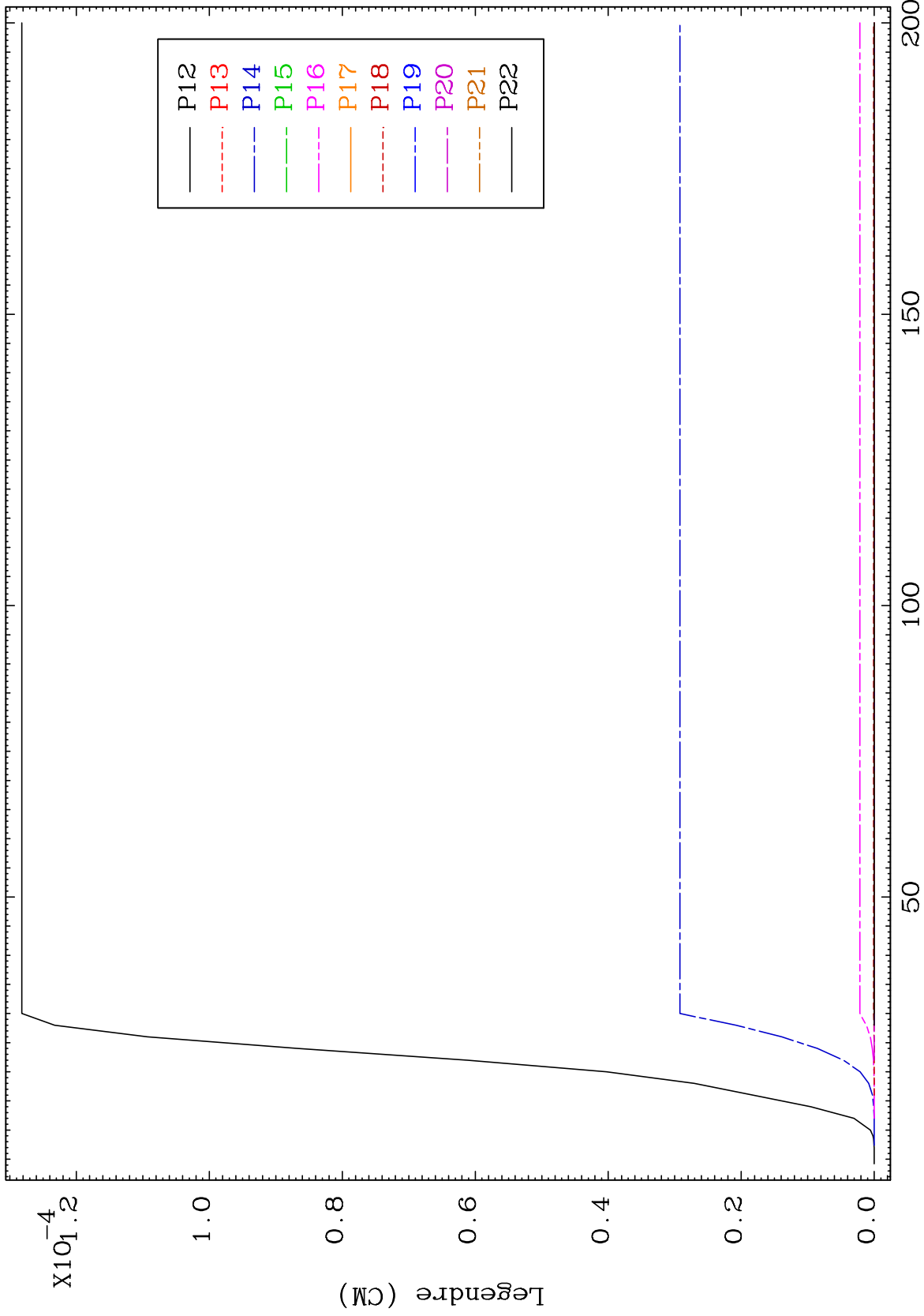




MAT 3134

400.0 keV (n, n') Level
Legendre Coefficients

31-Ga-72



65

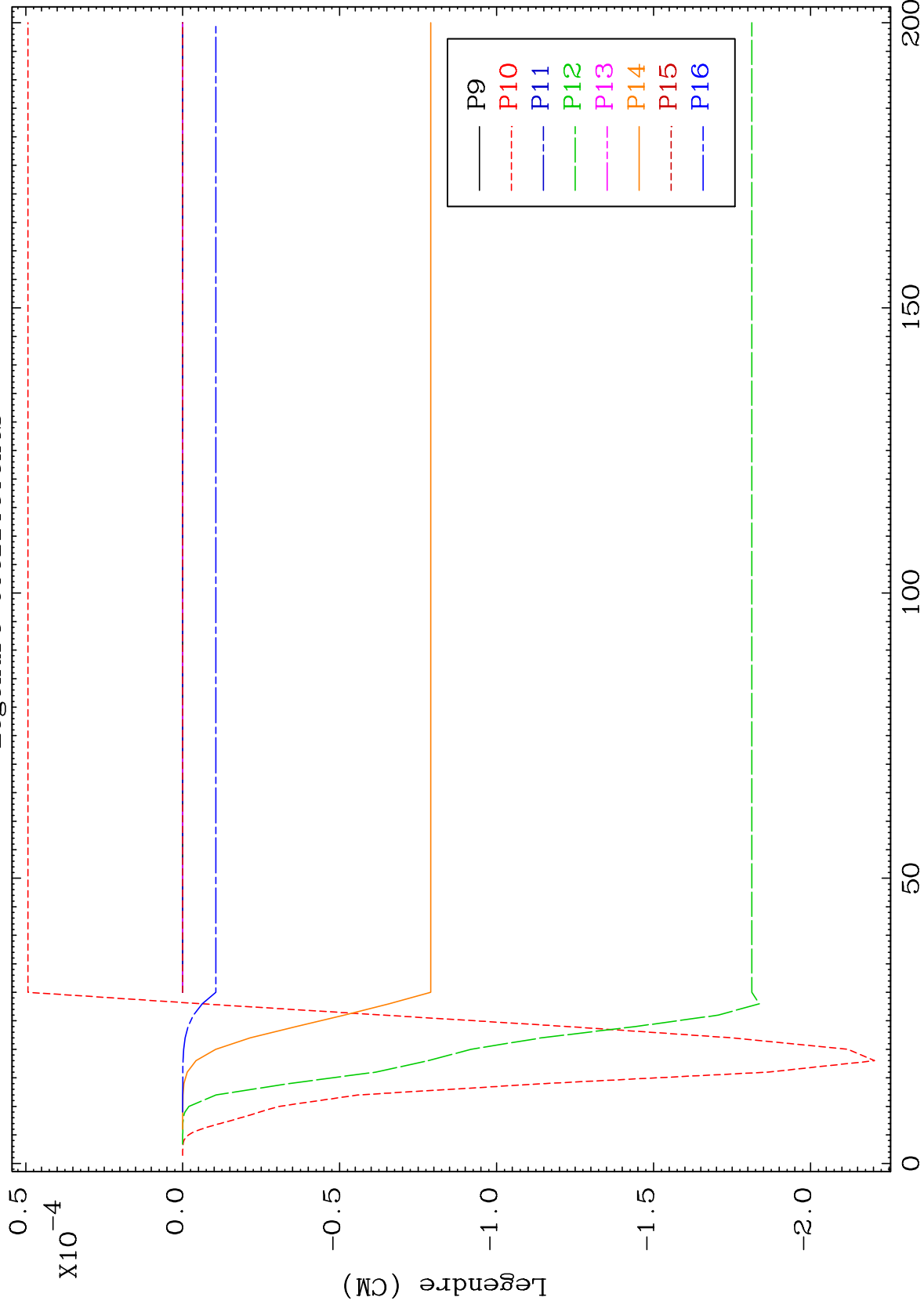
Incident Energy (MeV)

31-Ga-72

MAT 3134

408.1 keV (n,n') Level
Legendre Coefficients

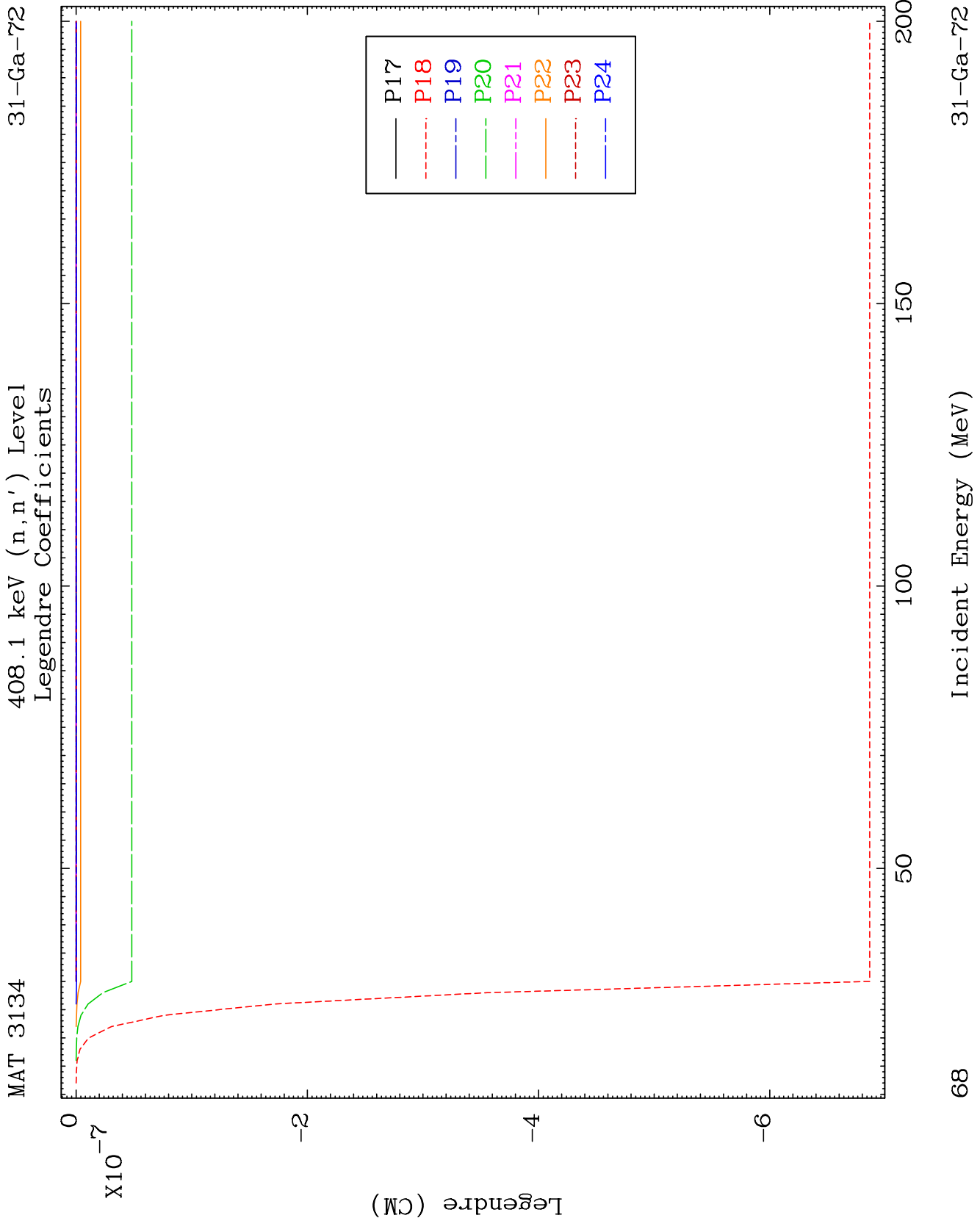
31-Ga-72

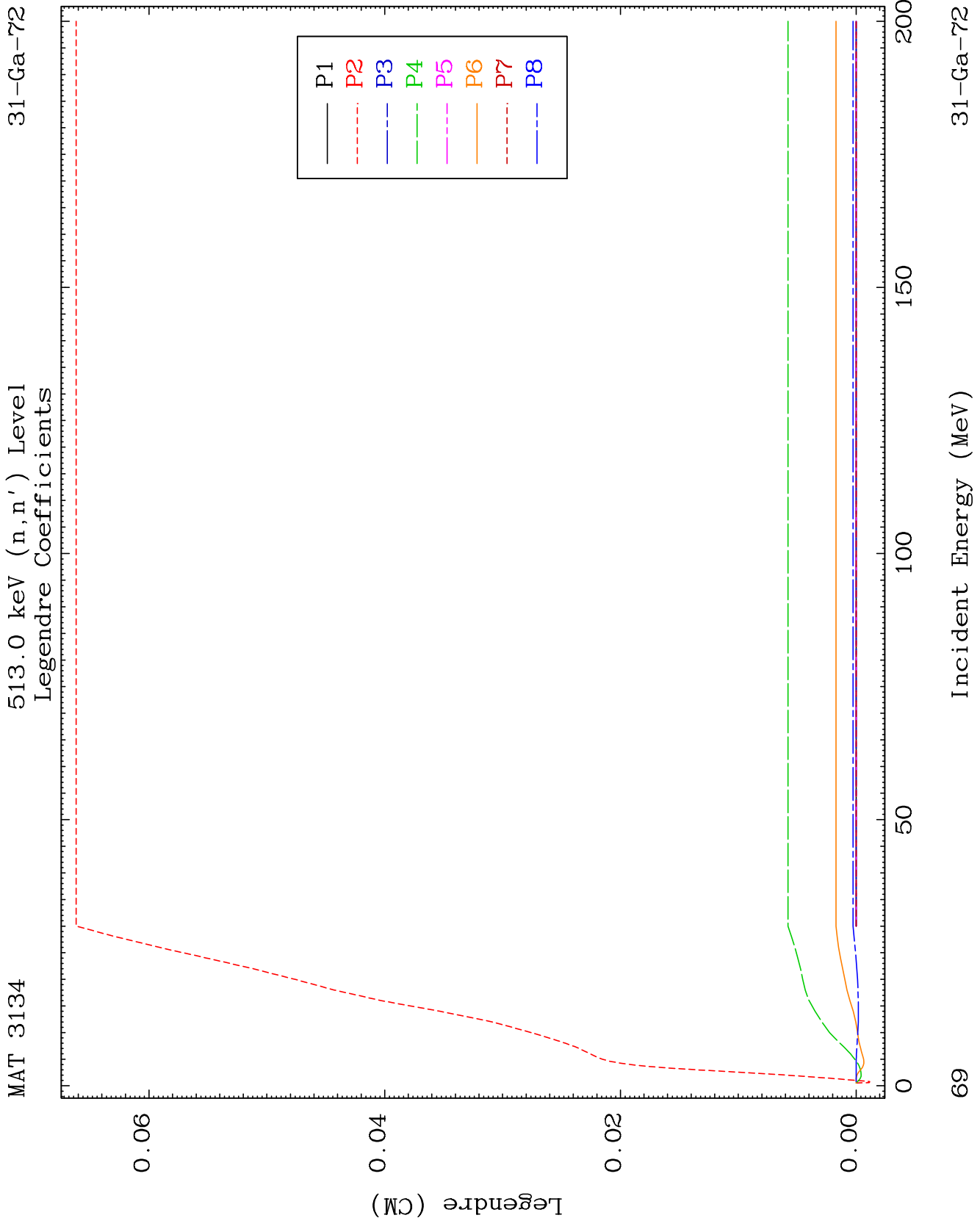


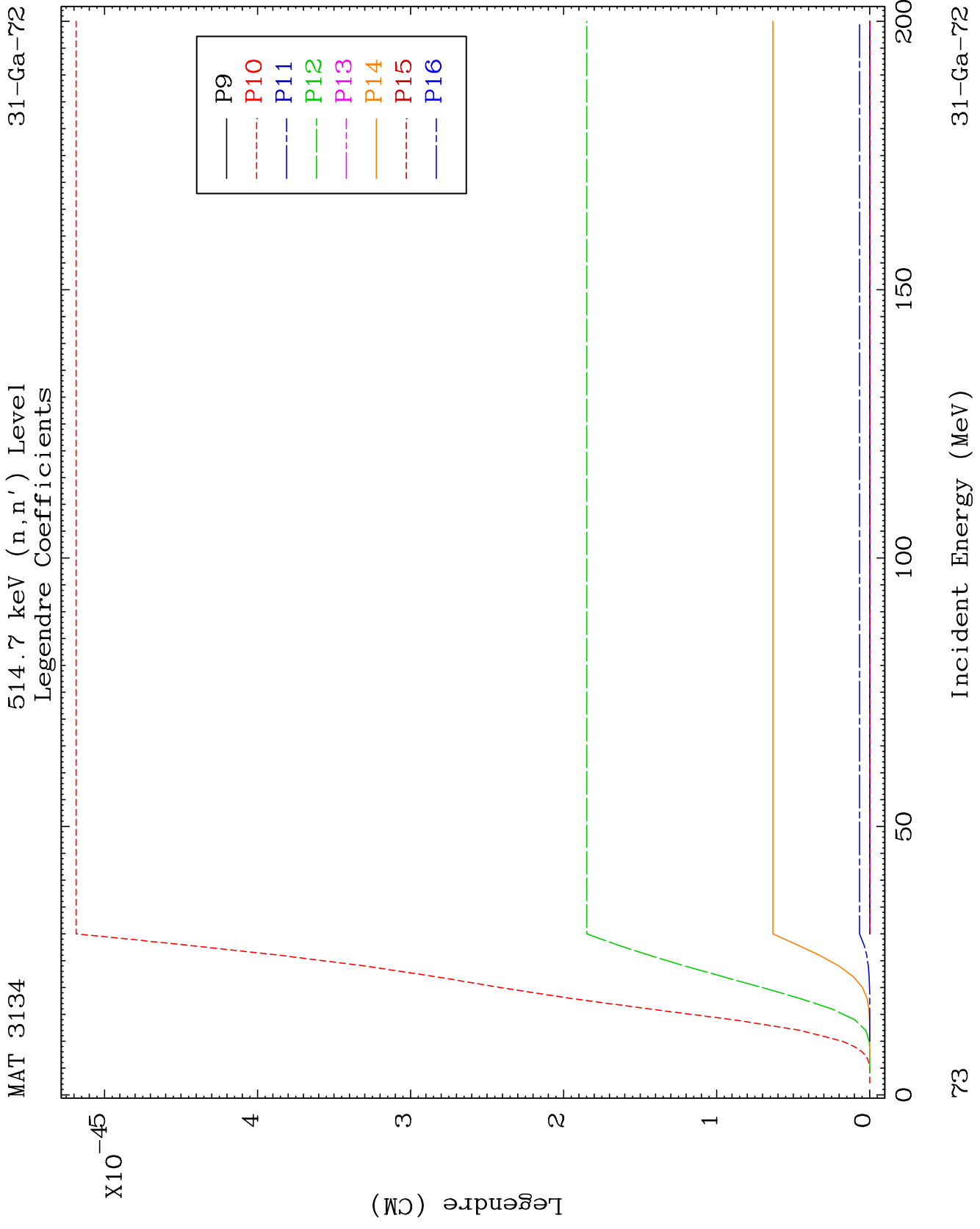
67

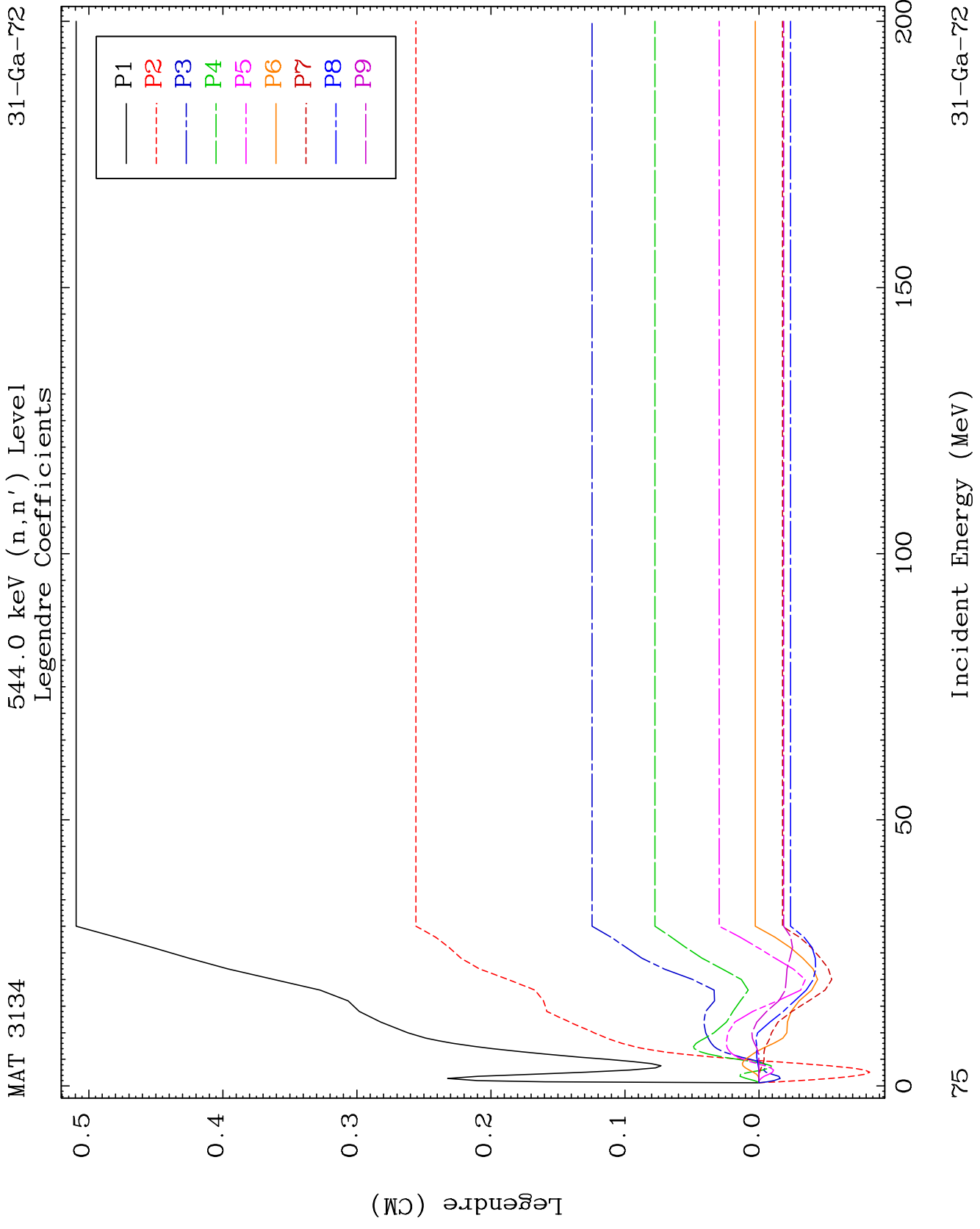
Incident Energy (MeV)

31-Ga-72





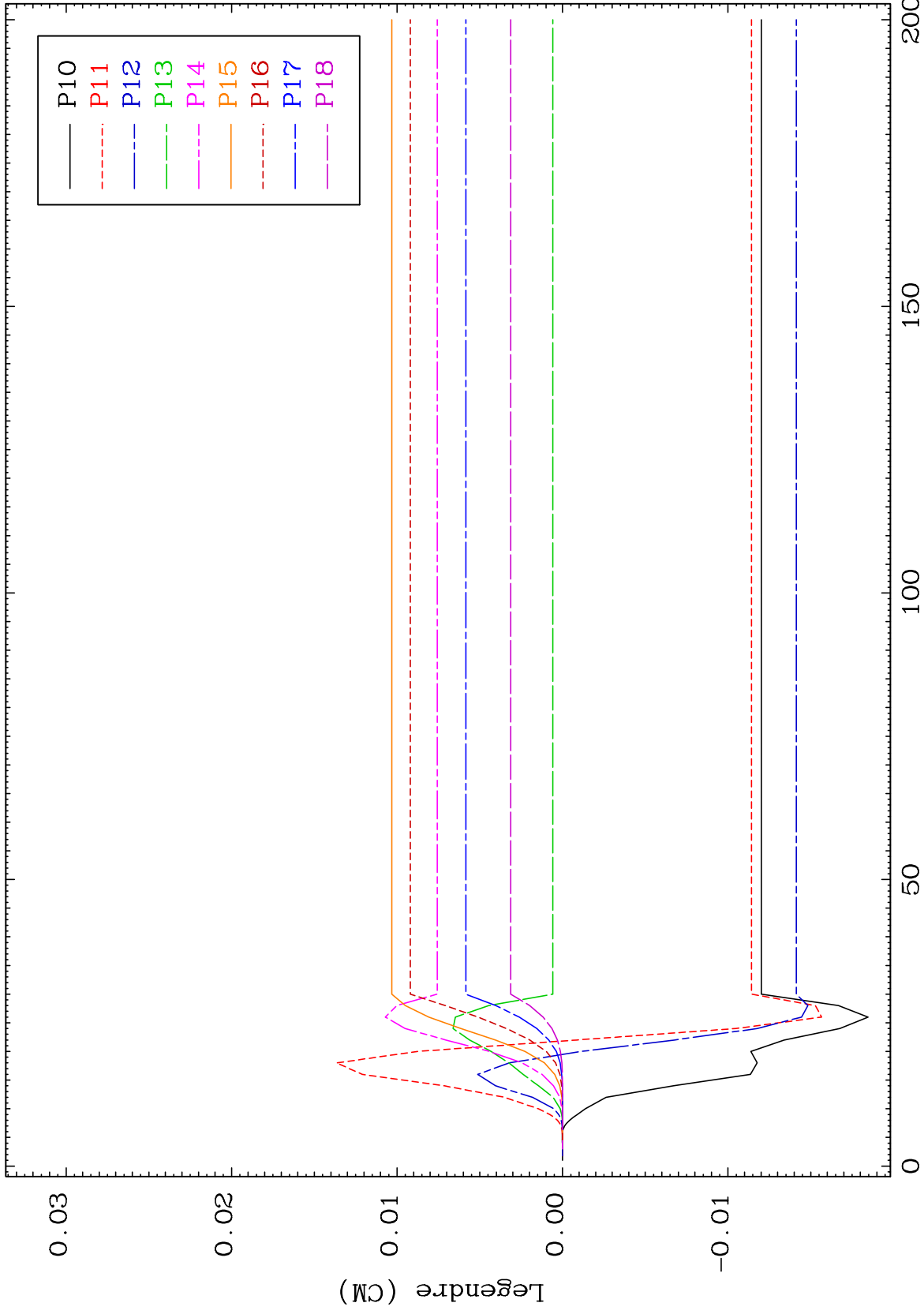




MAT 3134

544.0 keV (n,n') Level
Legendre Coefficients

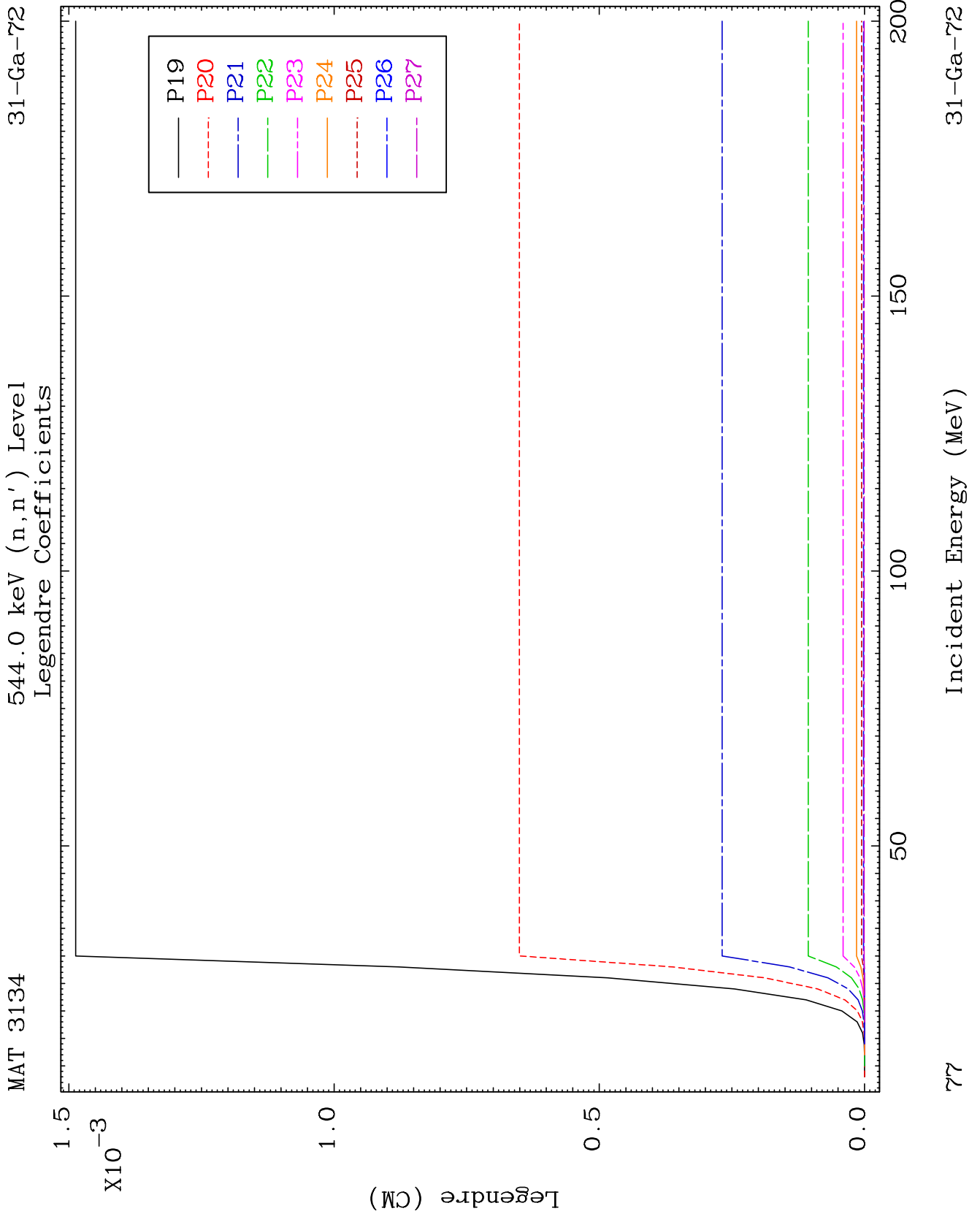
31-Ga-72



76

Incident Energy (MeV)

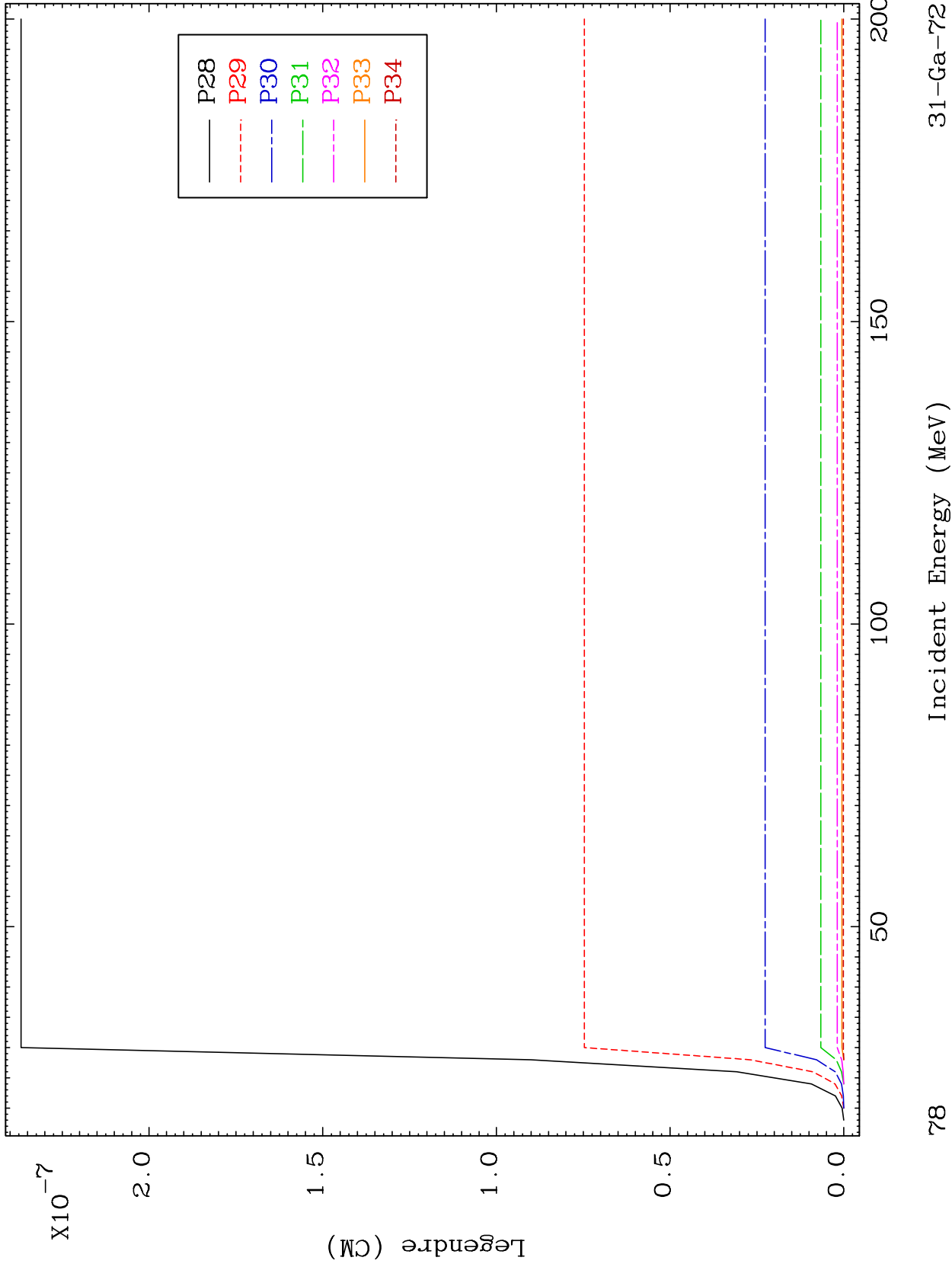
31-Ga-72



MAT 3134

544.0 keV (n,n') Level
Legendre Coefficients

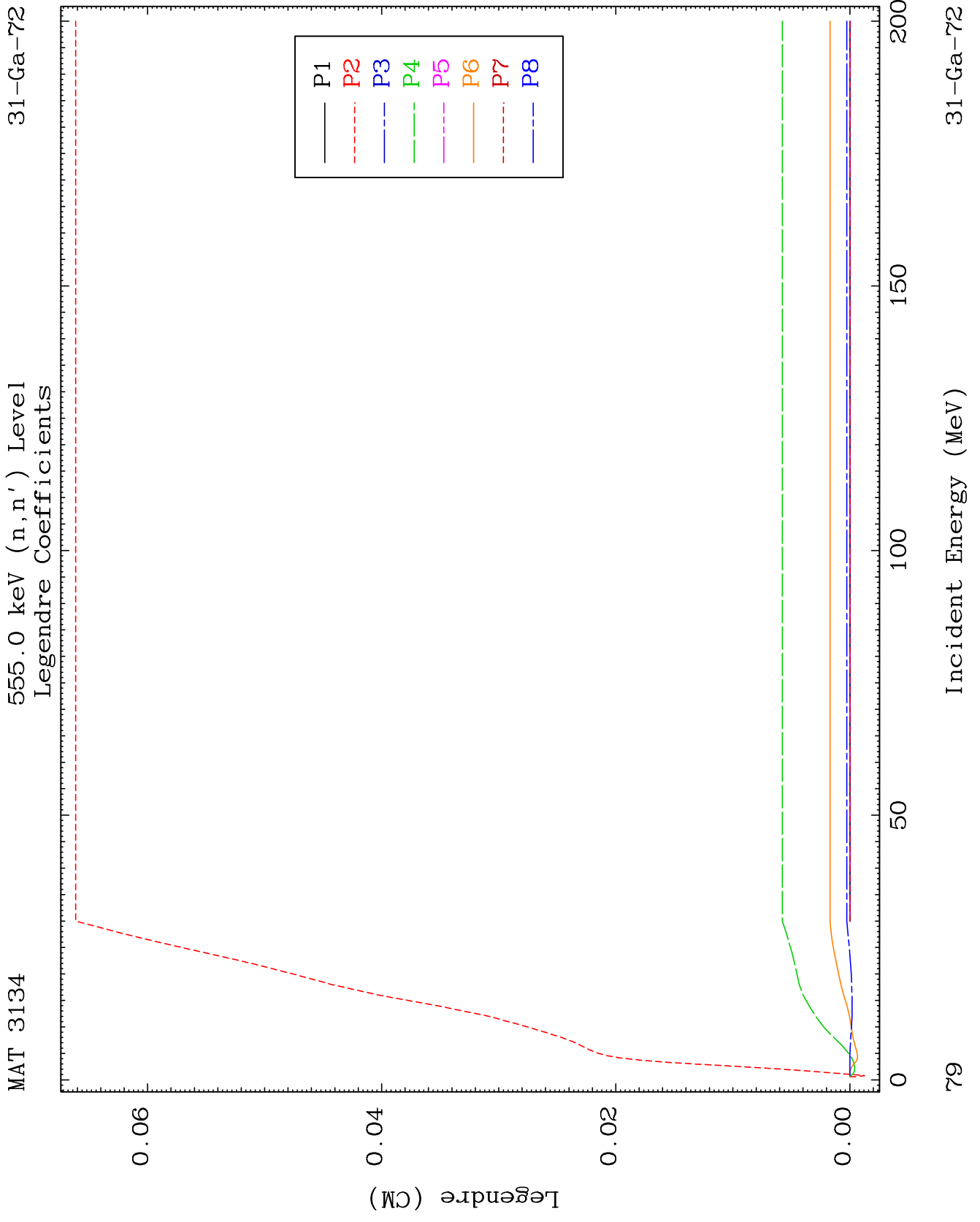
31-Ga-72



78

Incident Energy (MeV)

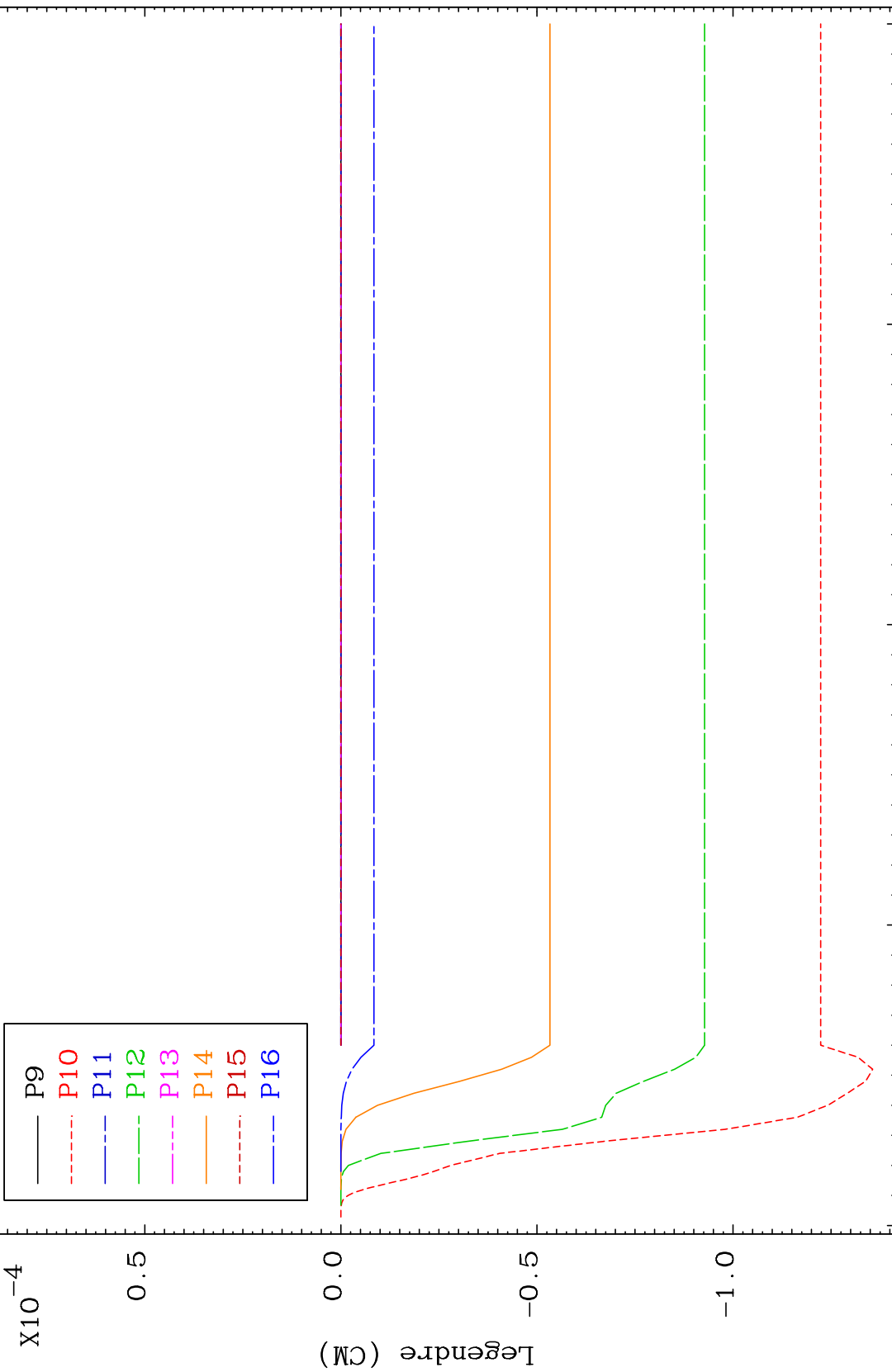
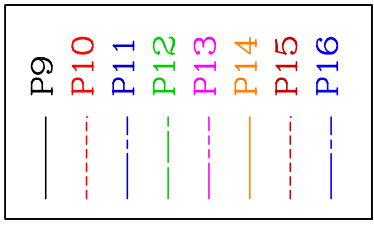
31-Ga-72



MAT 3134

555.0 keV (n,n') Level
Legendre Coefficients

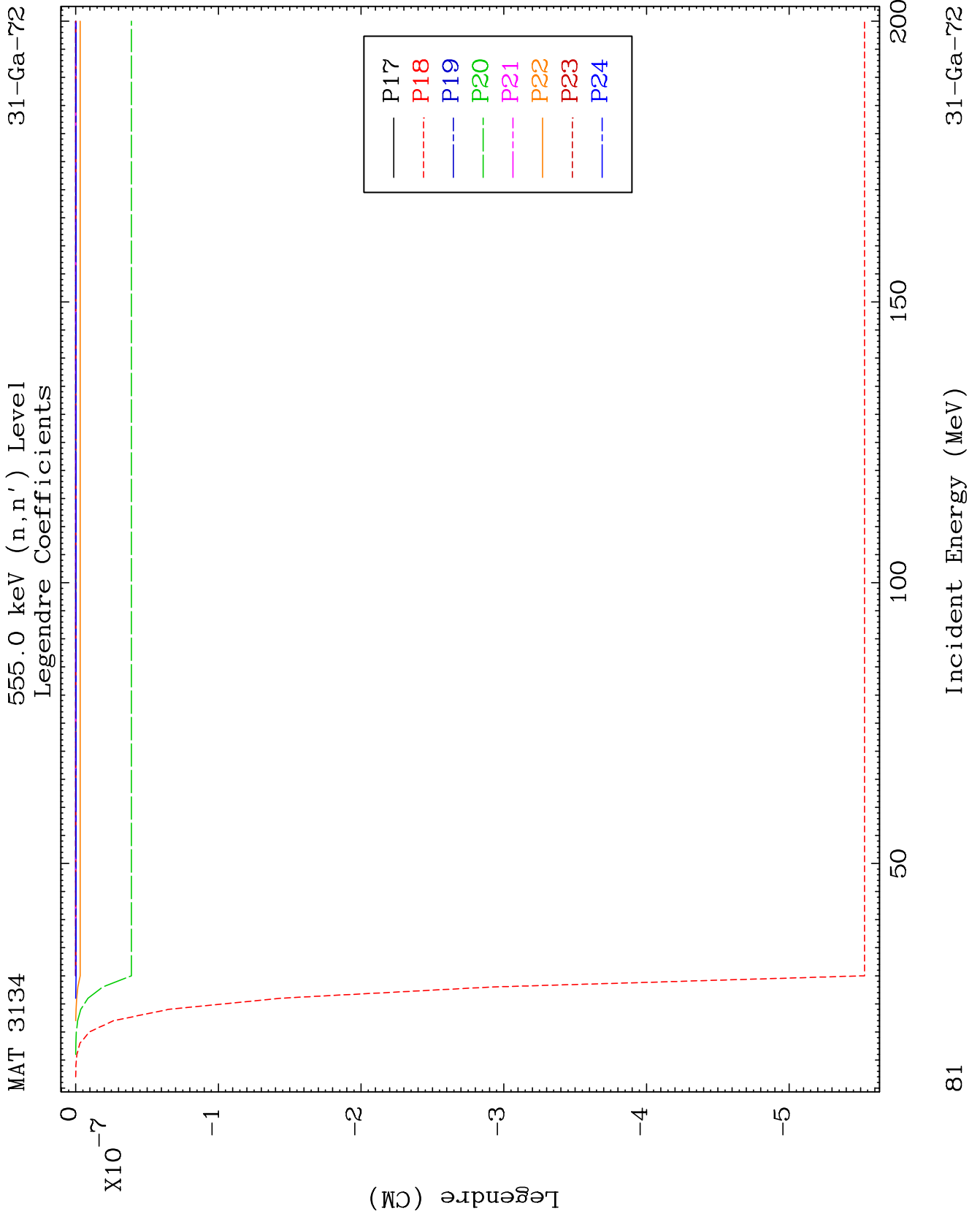
31-Ga-72



80

Incident Energy (MeV)

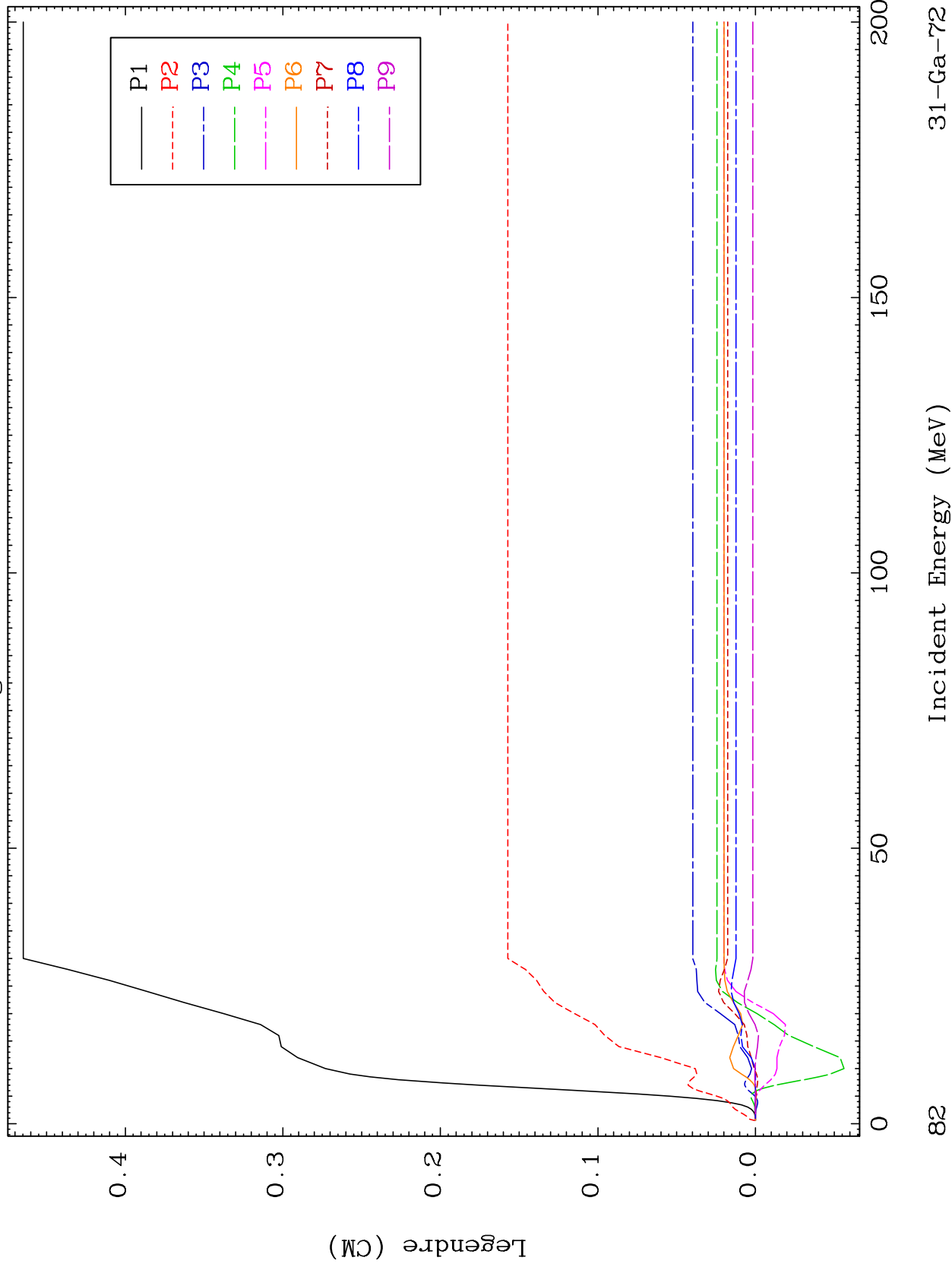
31-Ga-72



MAT 3134

564.3 keV (n,n') Level
Legendre Coefficients

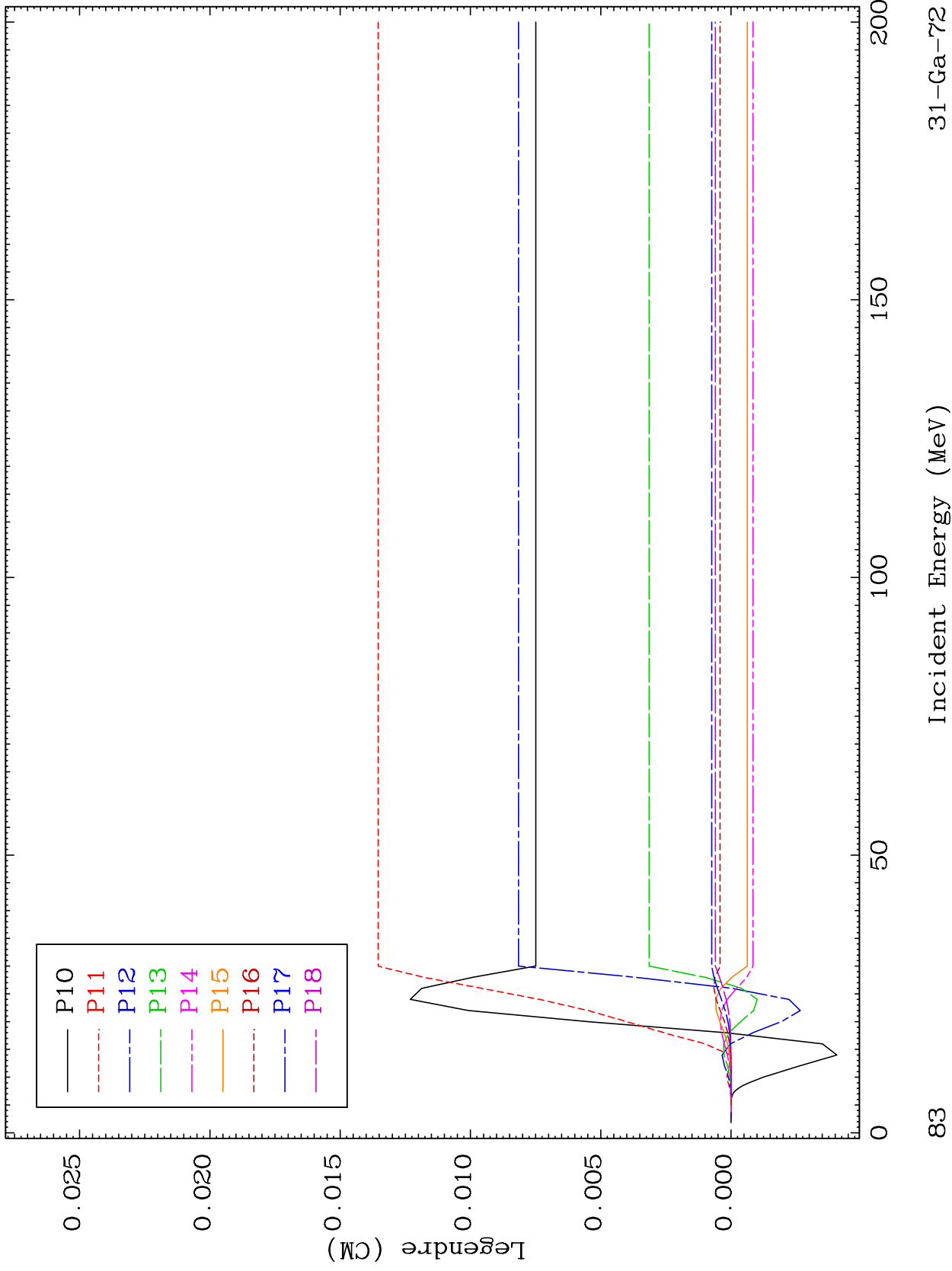
31-Ga-72



31-Ga-72

Incident Energy (MeV)

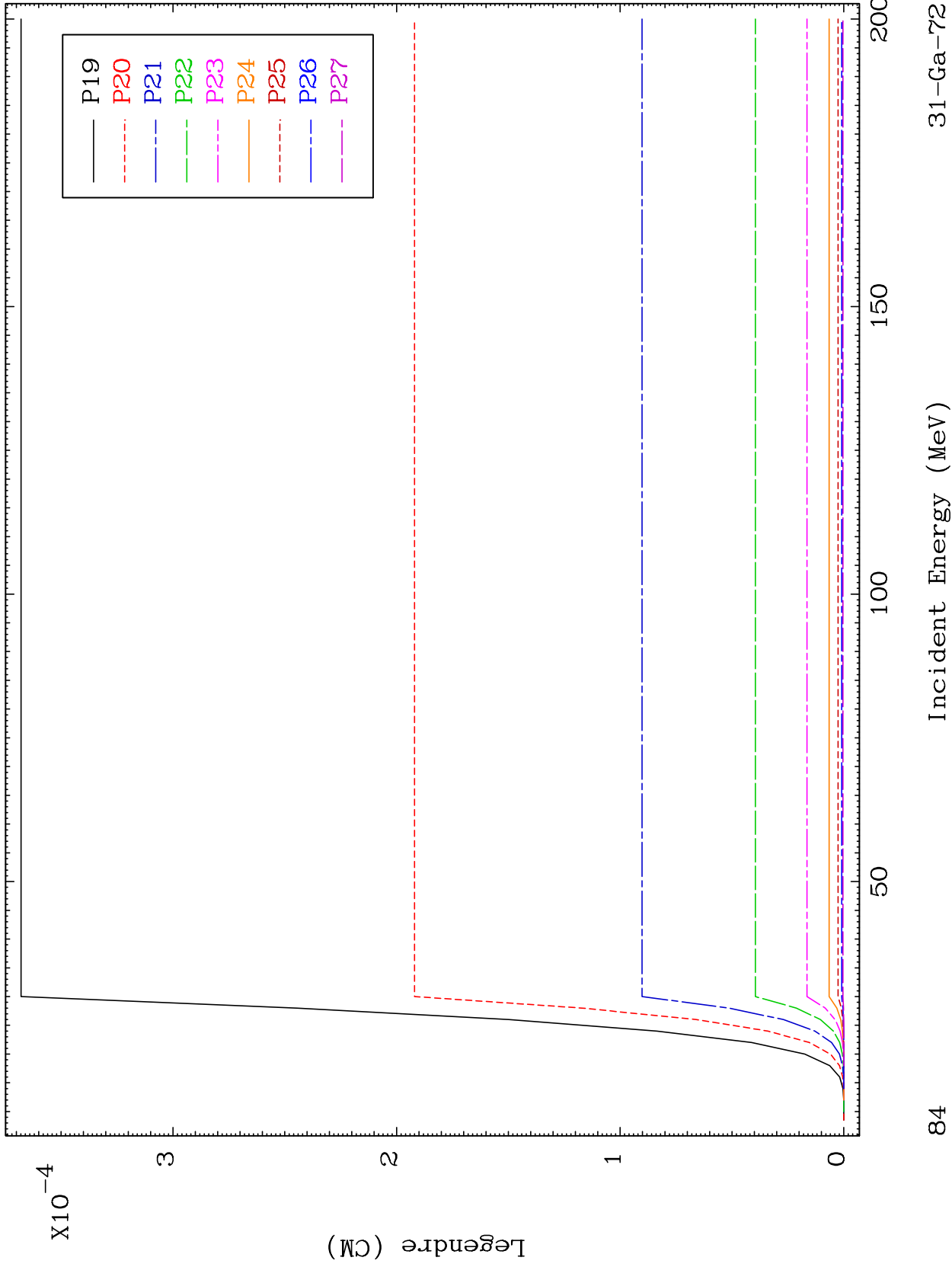
82



MAT 3134

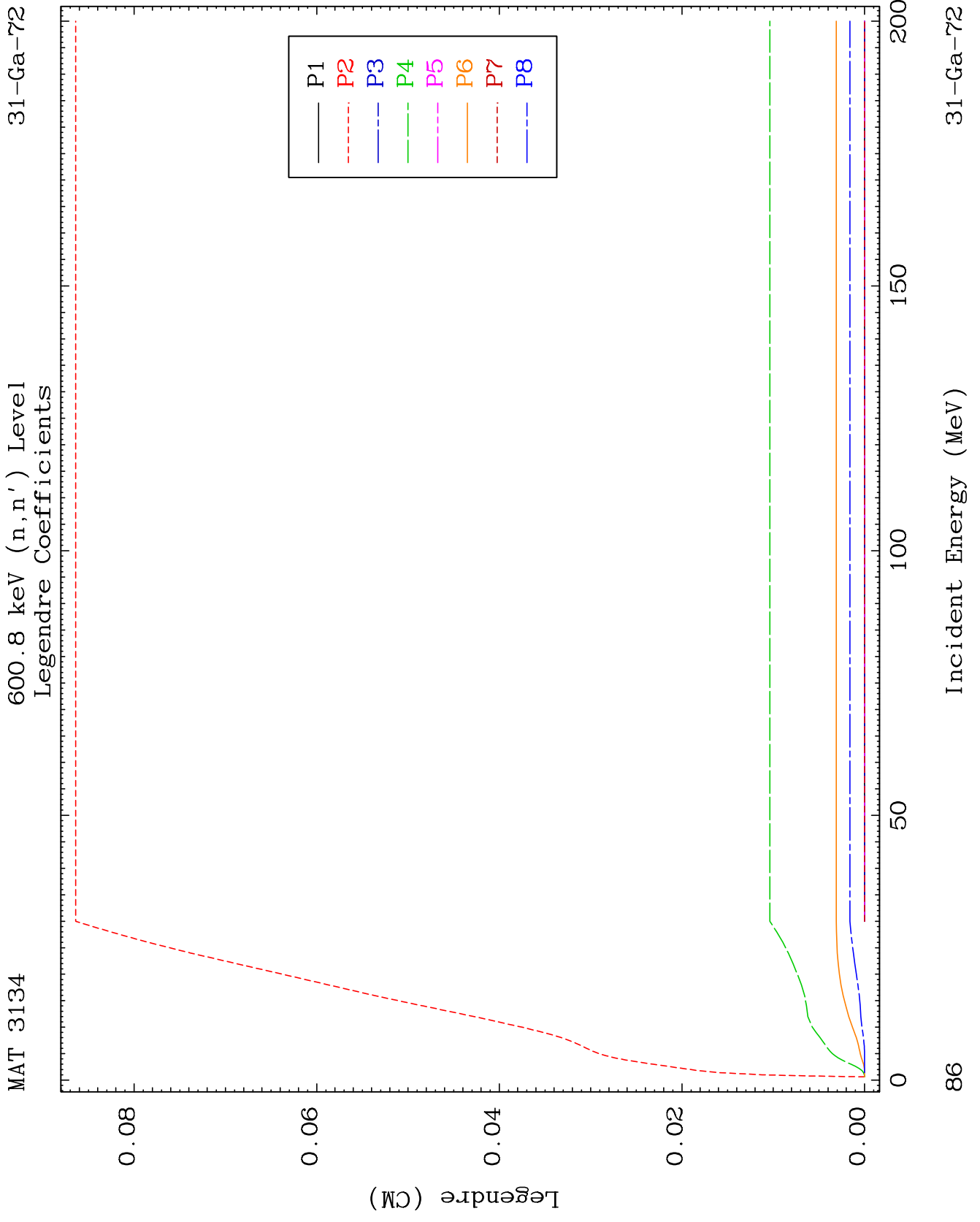
564.3 keV (n,n') Level
Legendre Coefficients

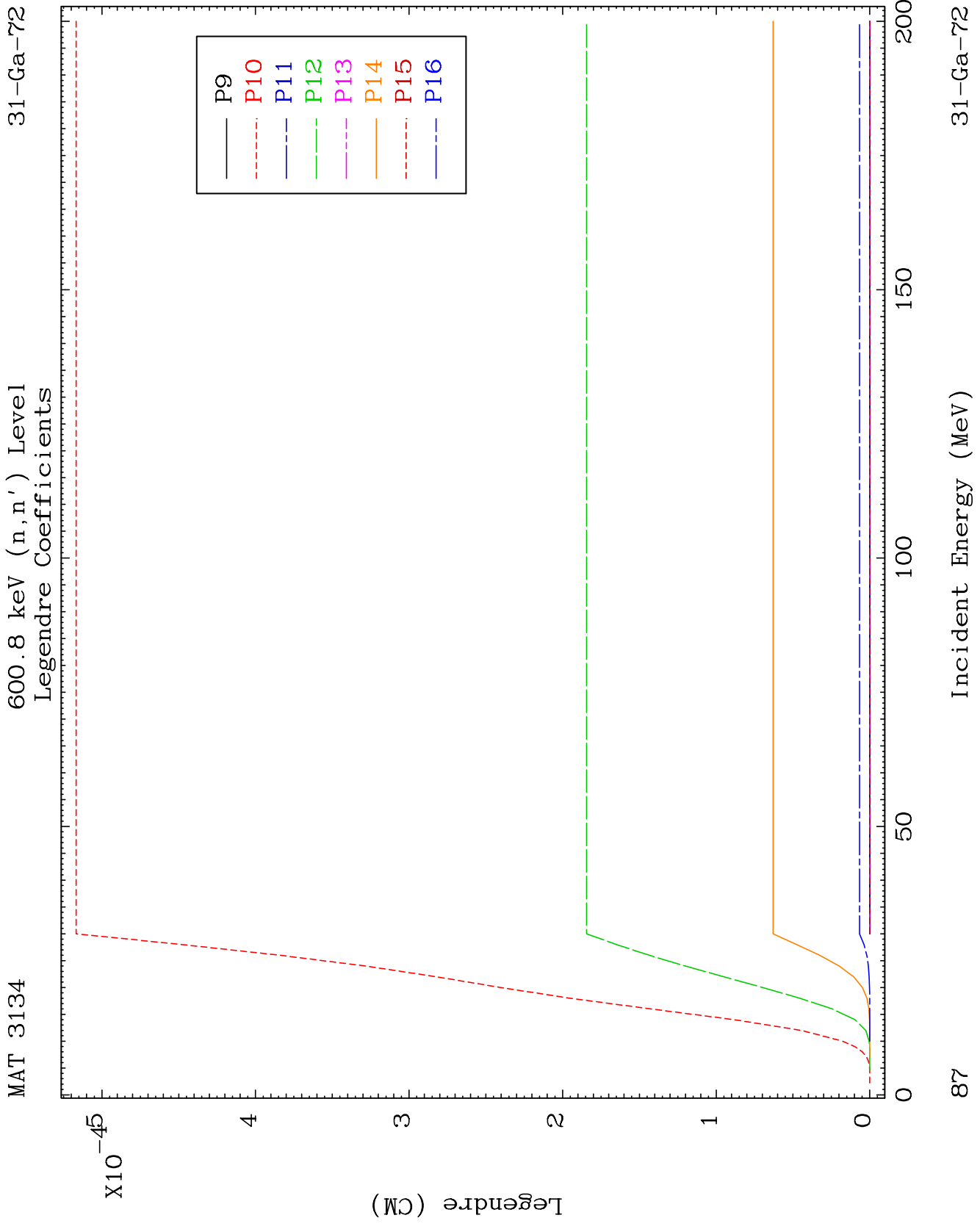
31-Ga-72

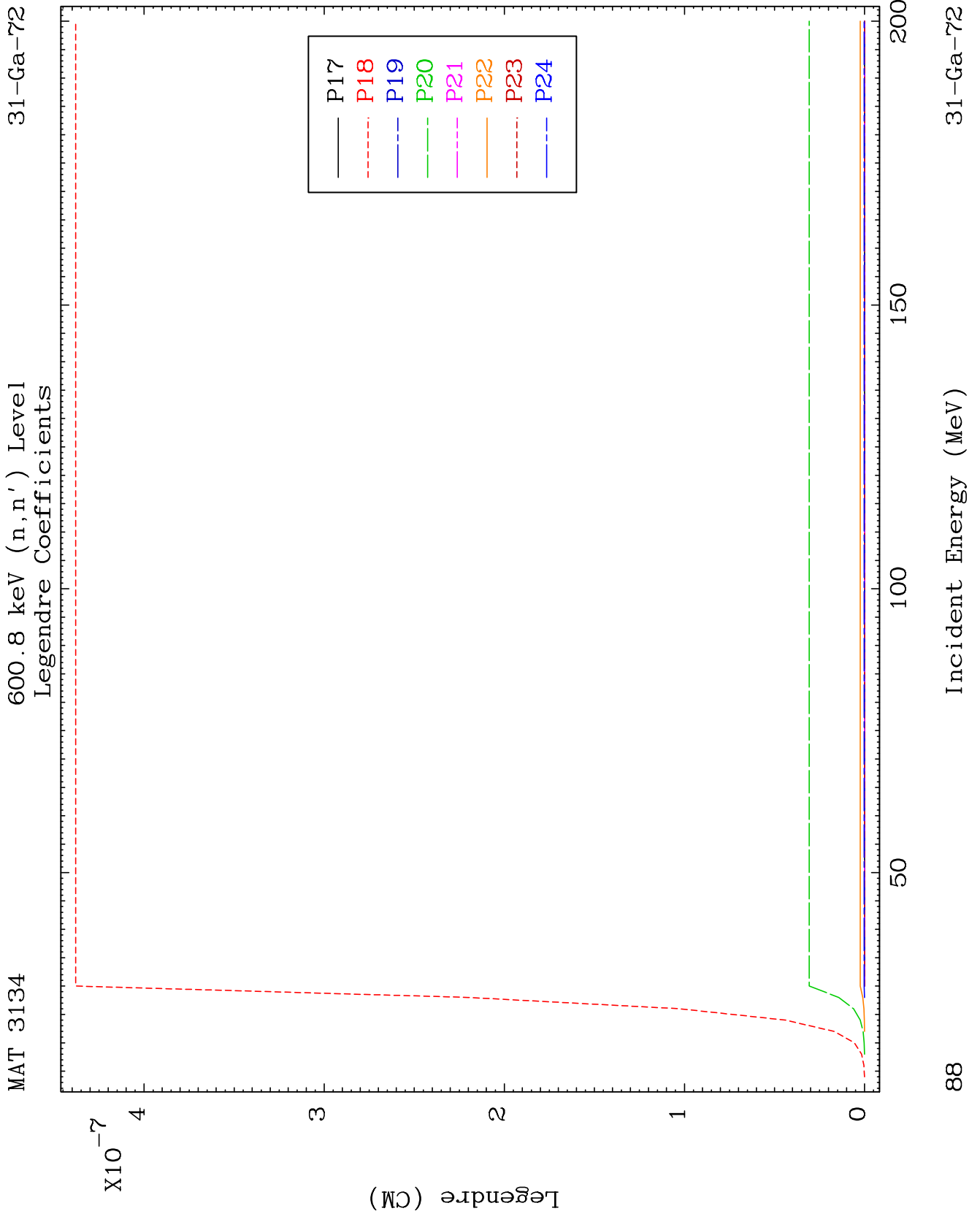


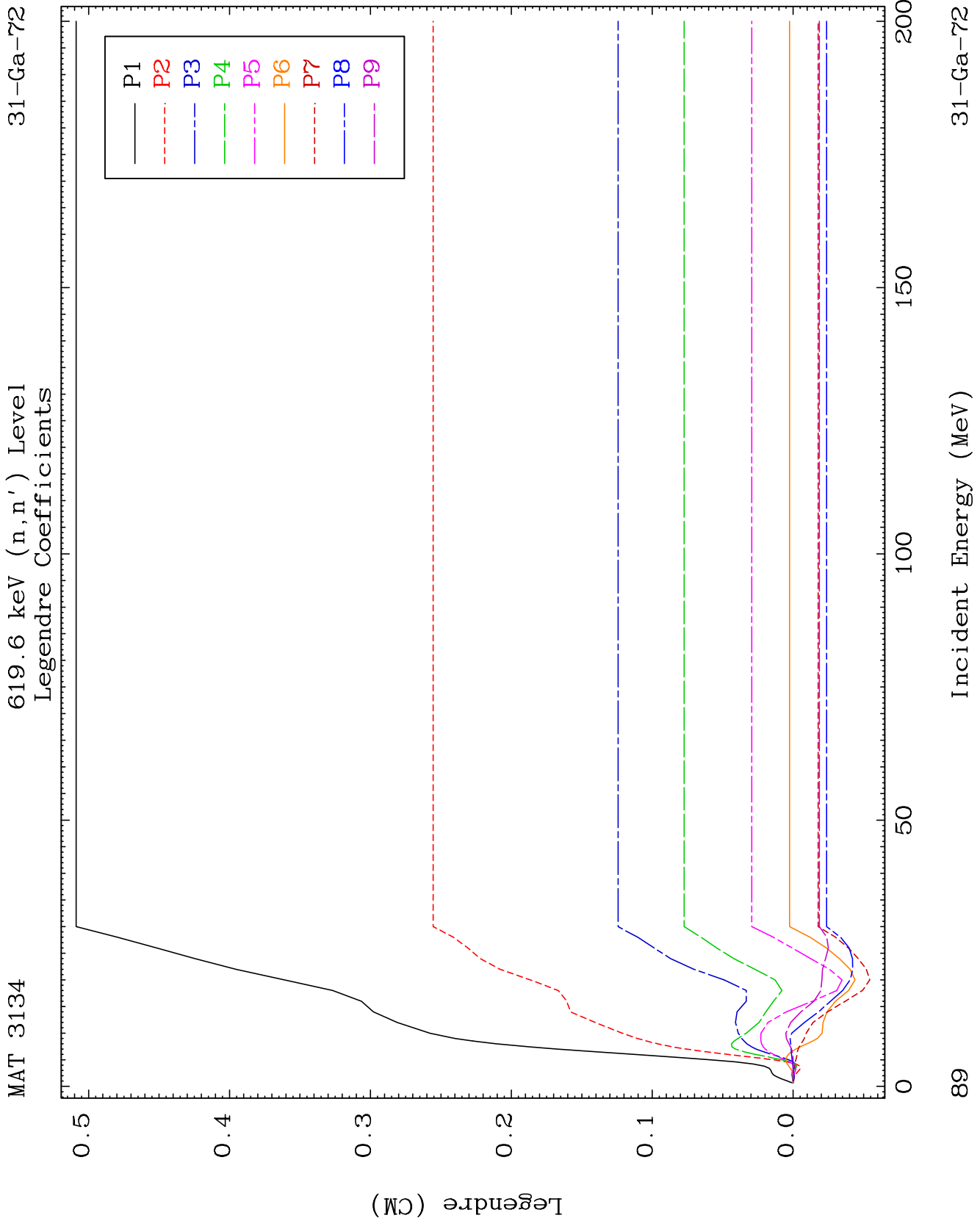
84

31-Ga-72





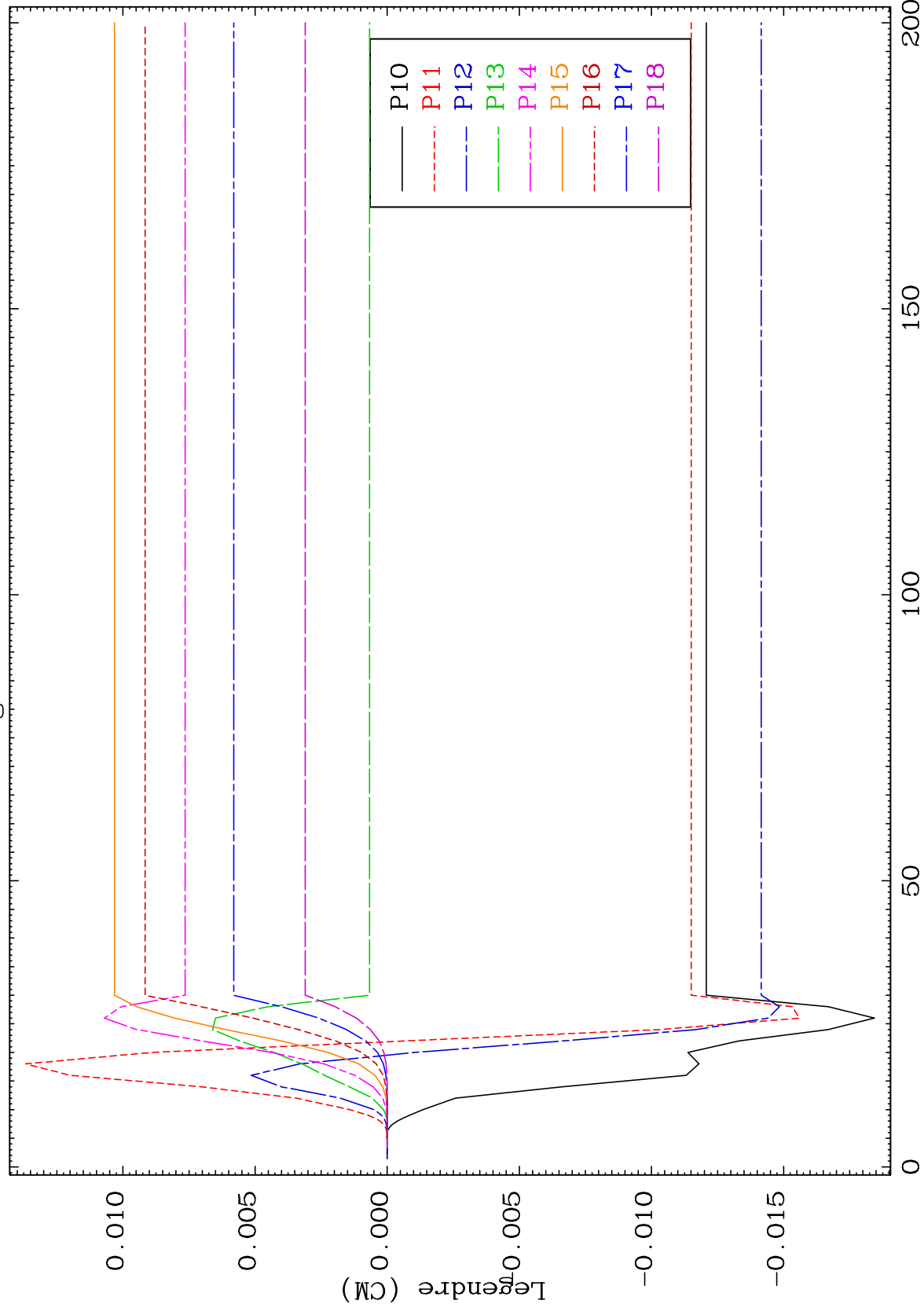




MAT 3134

619.6 keV (n,n') Level
Legendre Coefficients

31-Ga-72



90

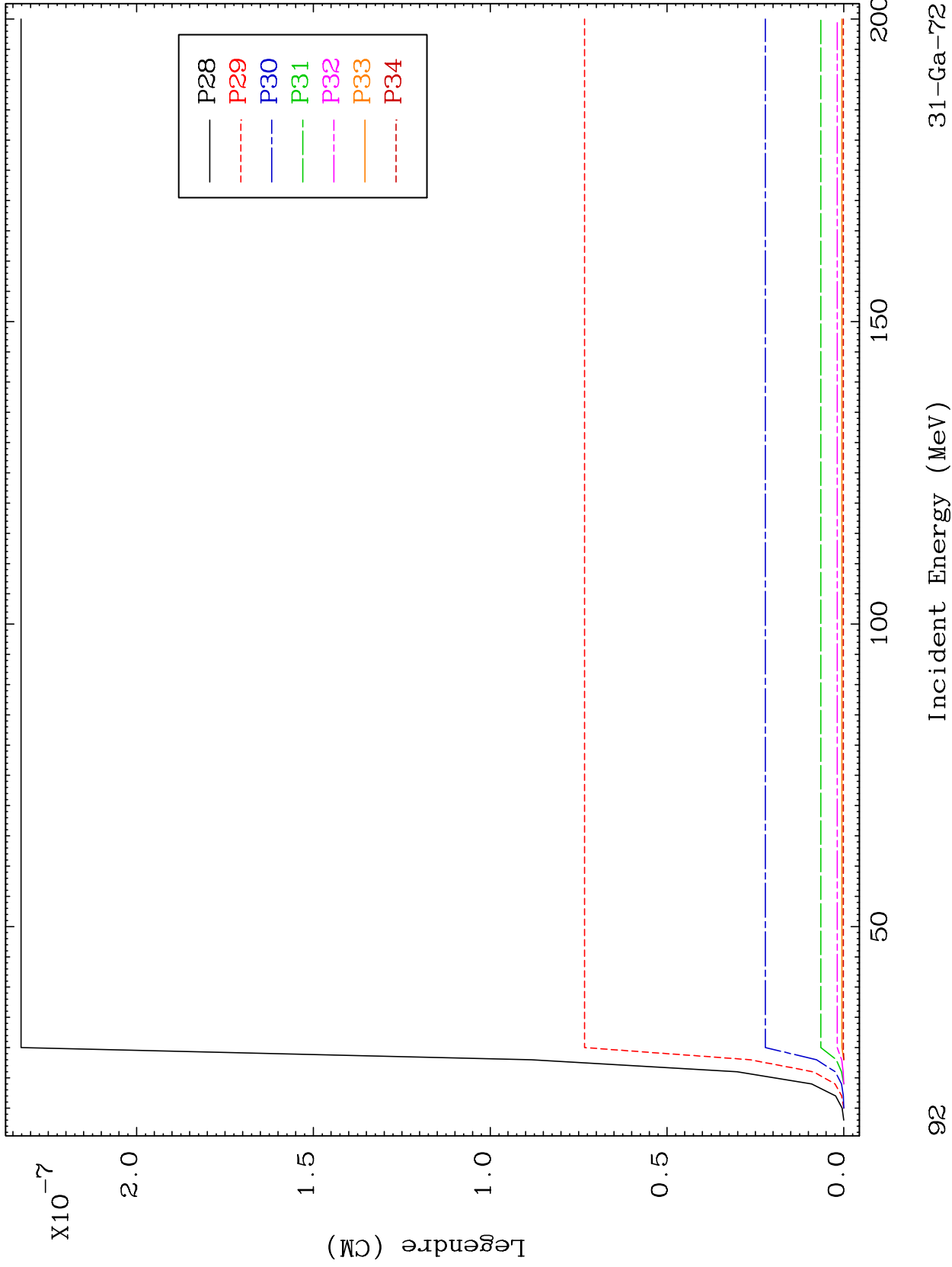
Incident Energy (MeV)

31-Ga-72

MAT 3134

619.6 keV (n,n') Level
Legendre Coefficients

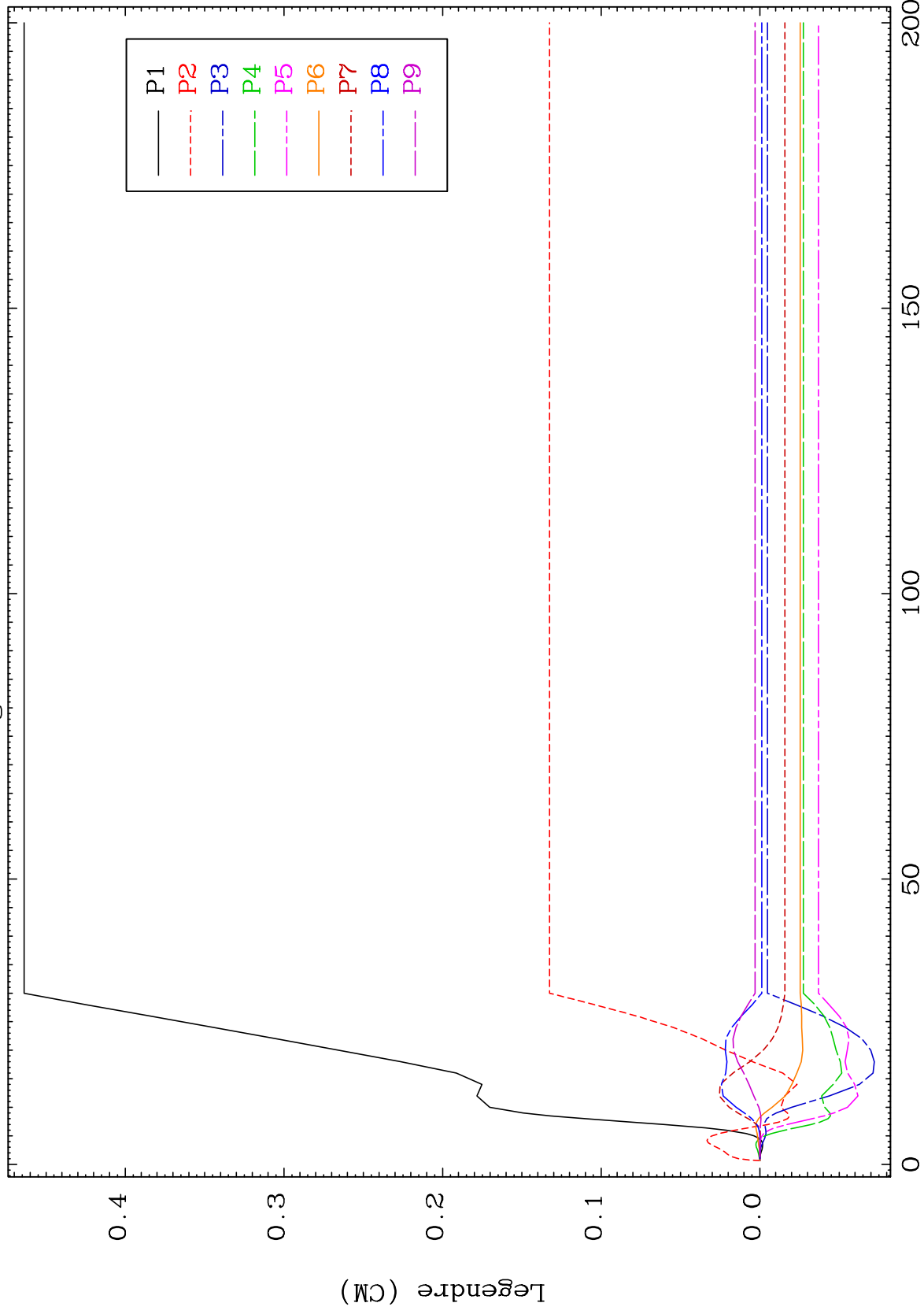
31-Ga-72



MAT 3134

636.0 keV (n,n') Level
Legendre Coefficients

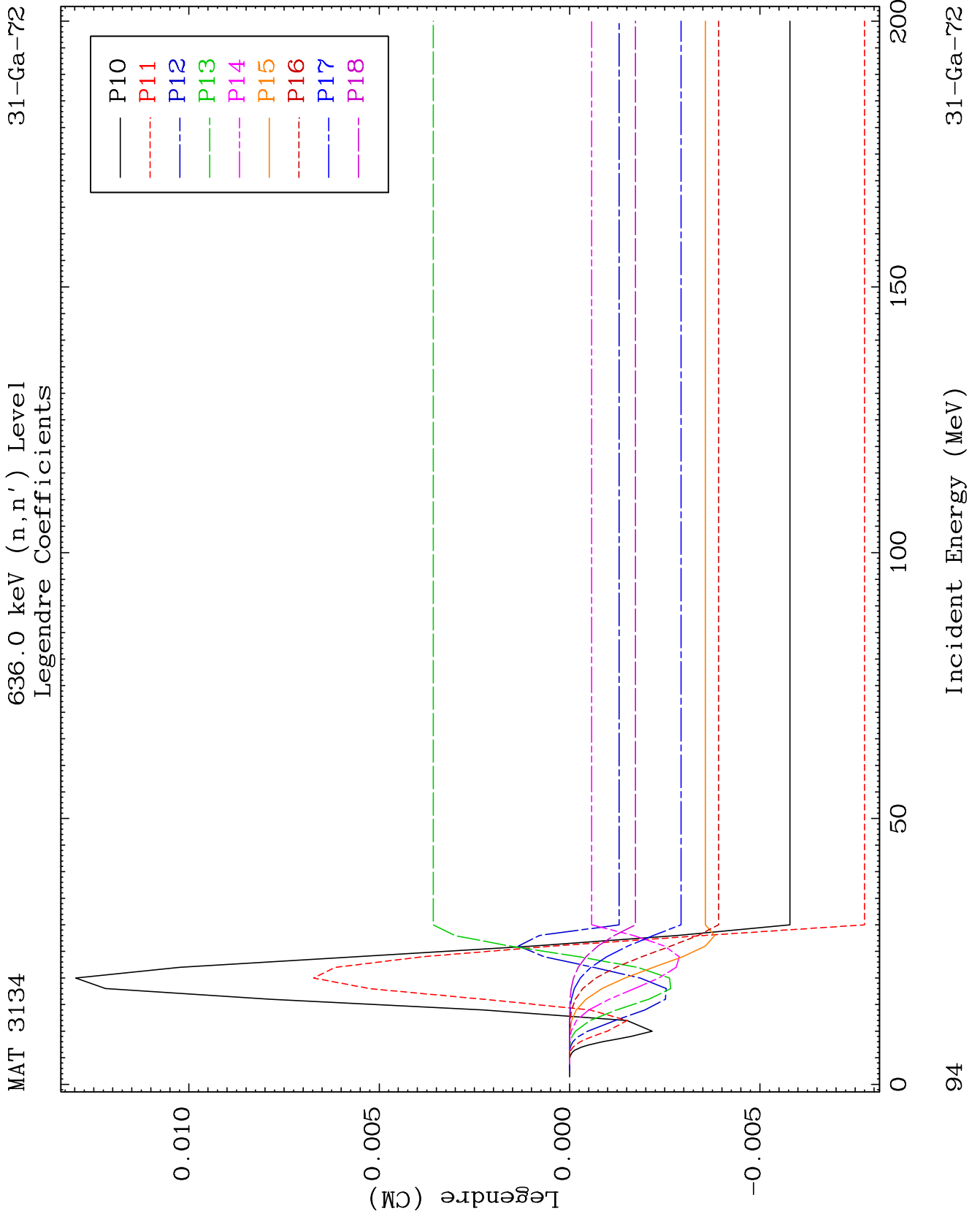
31-Ga-72

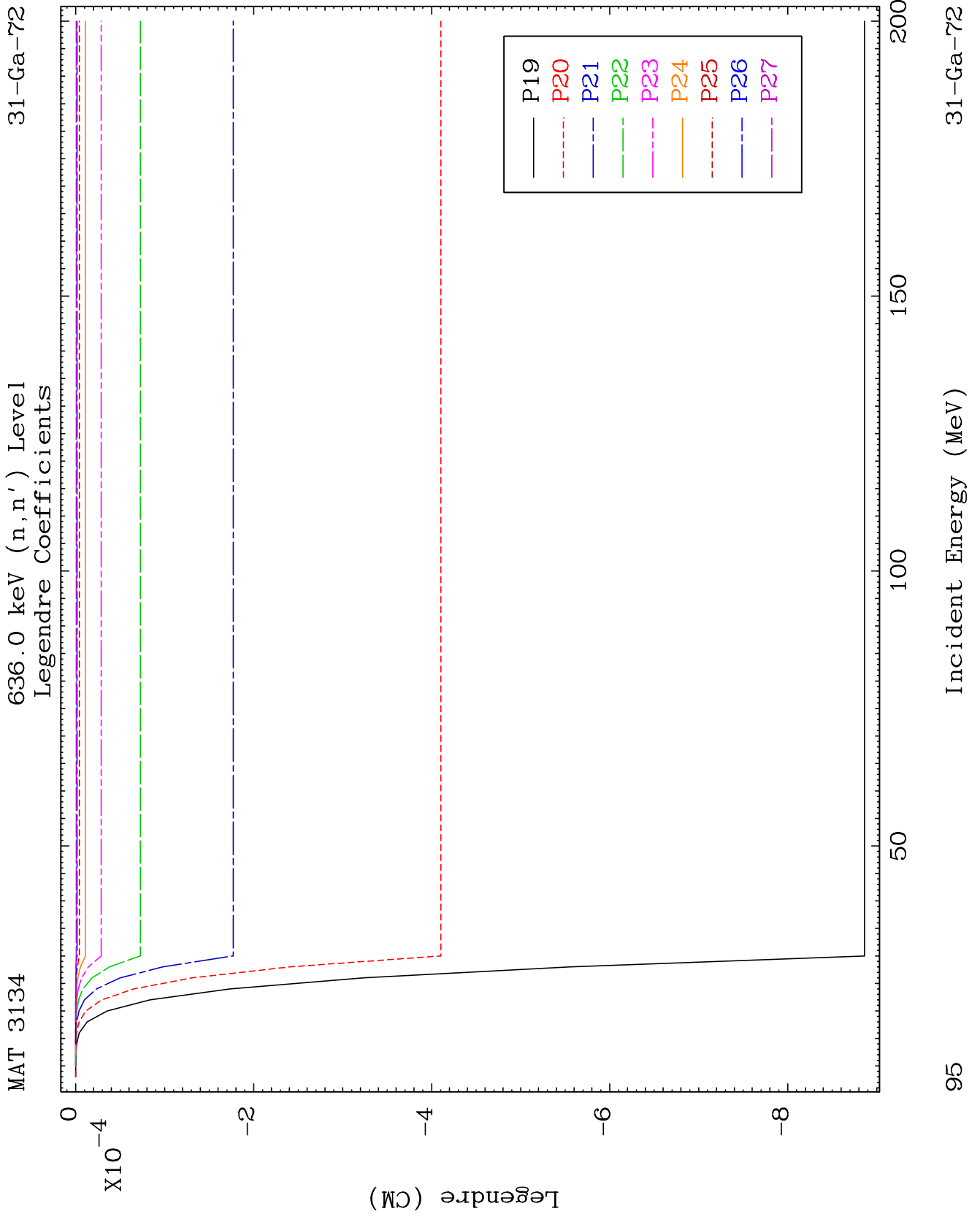


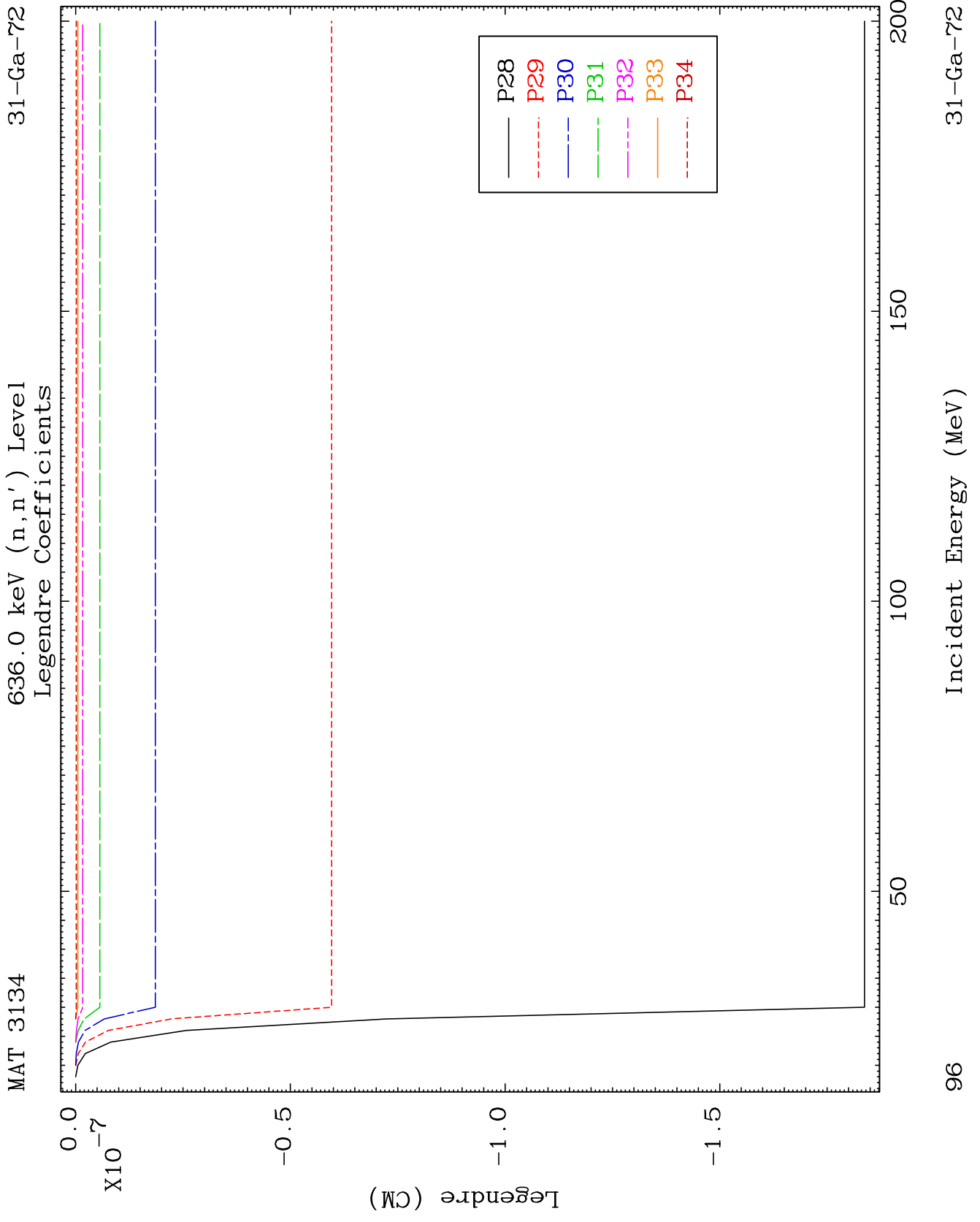
93

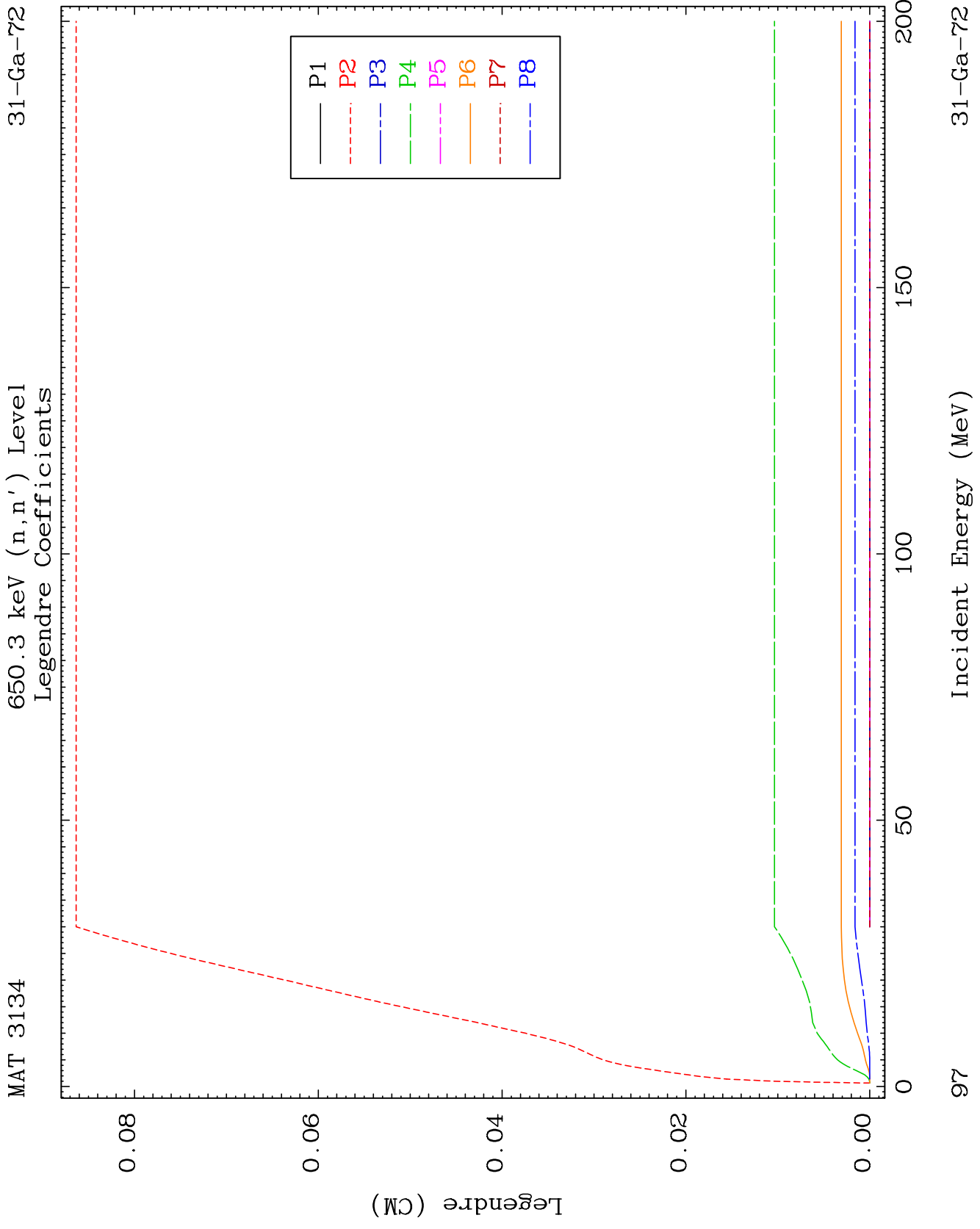
Incident Energy (MeV)

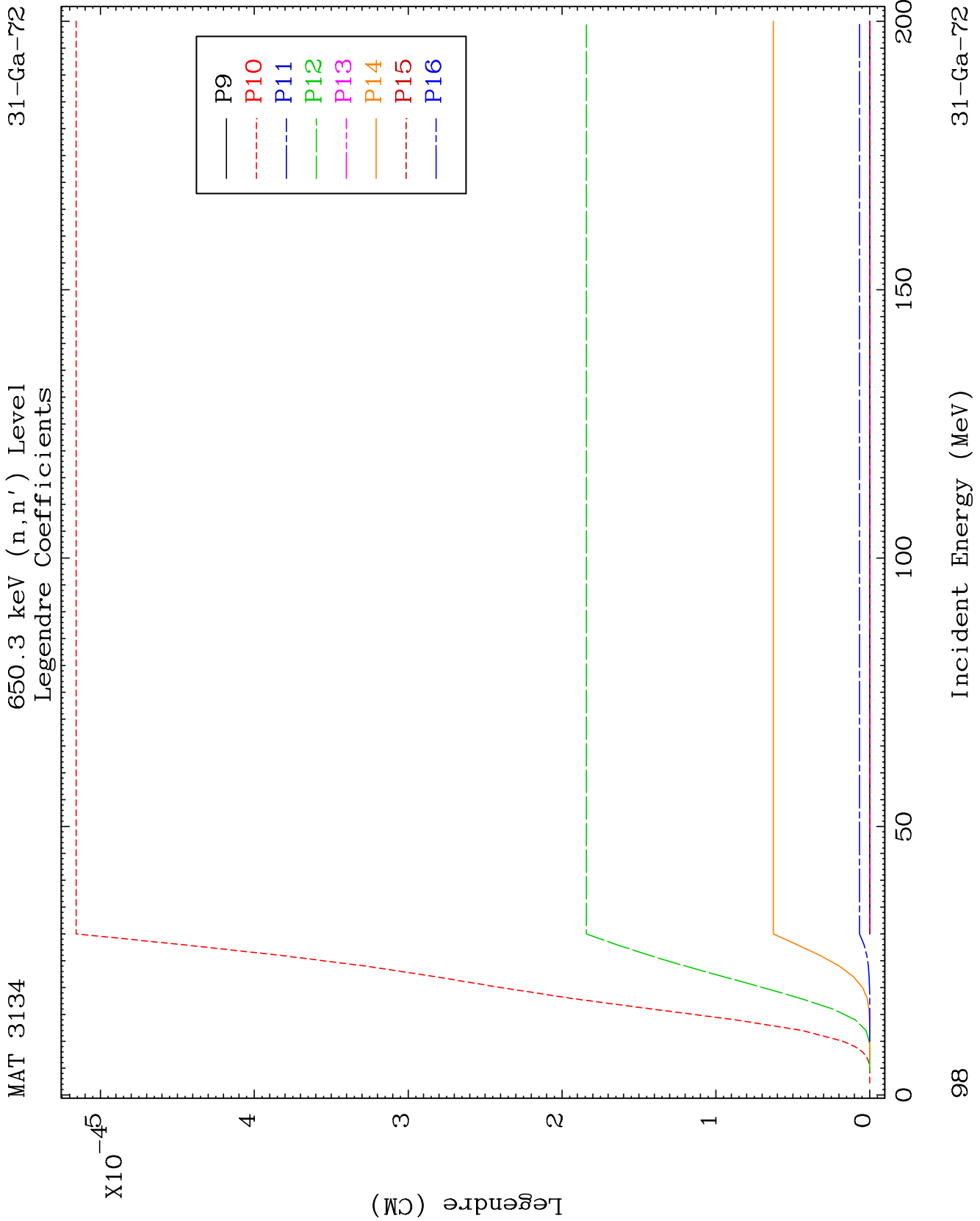
31-Ga-72

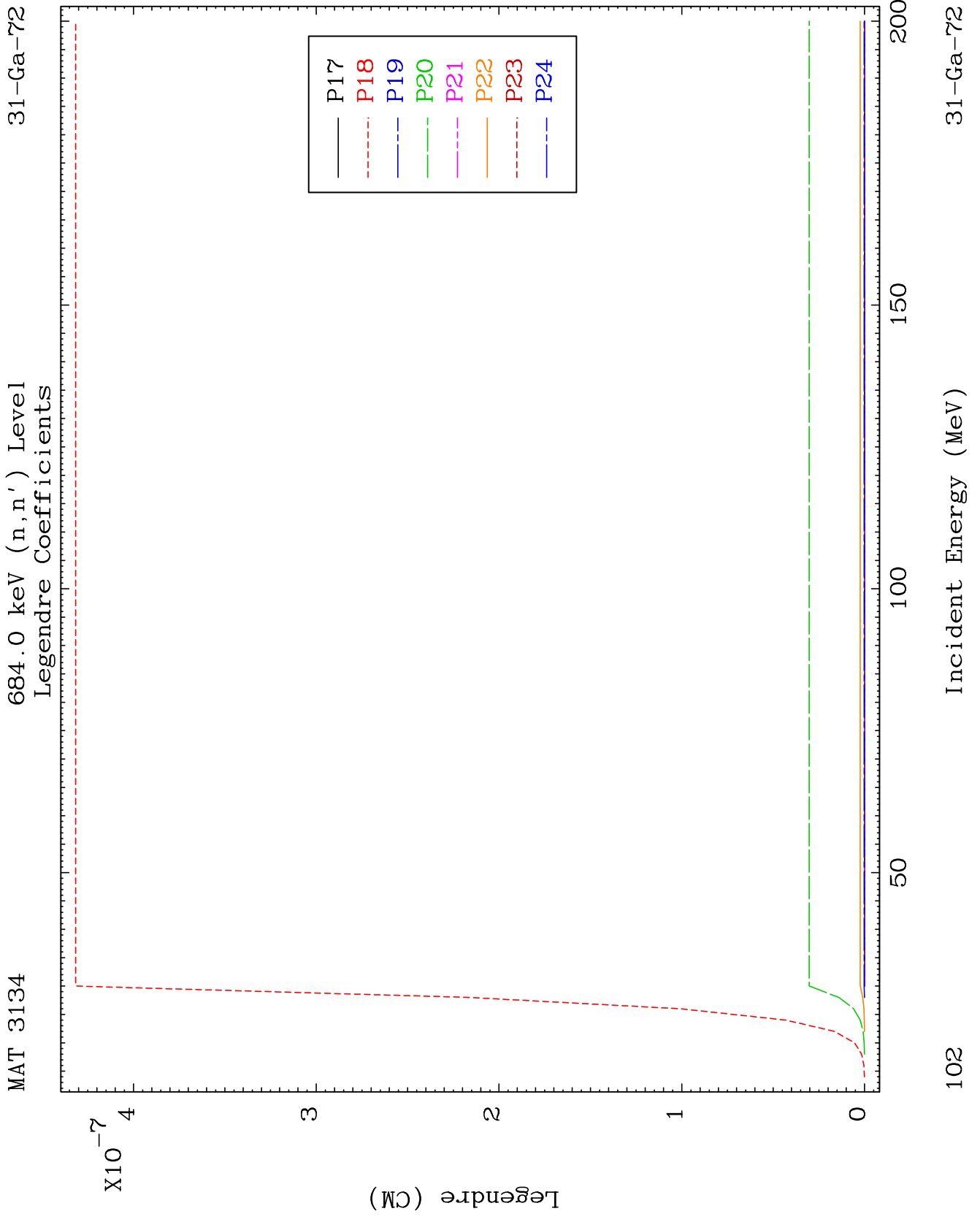


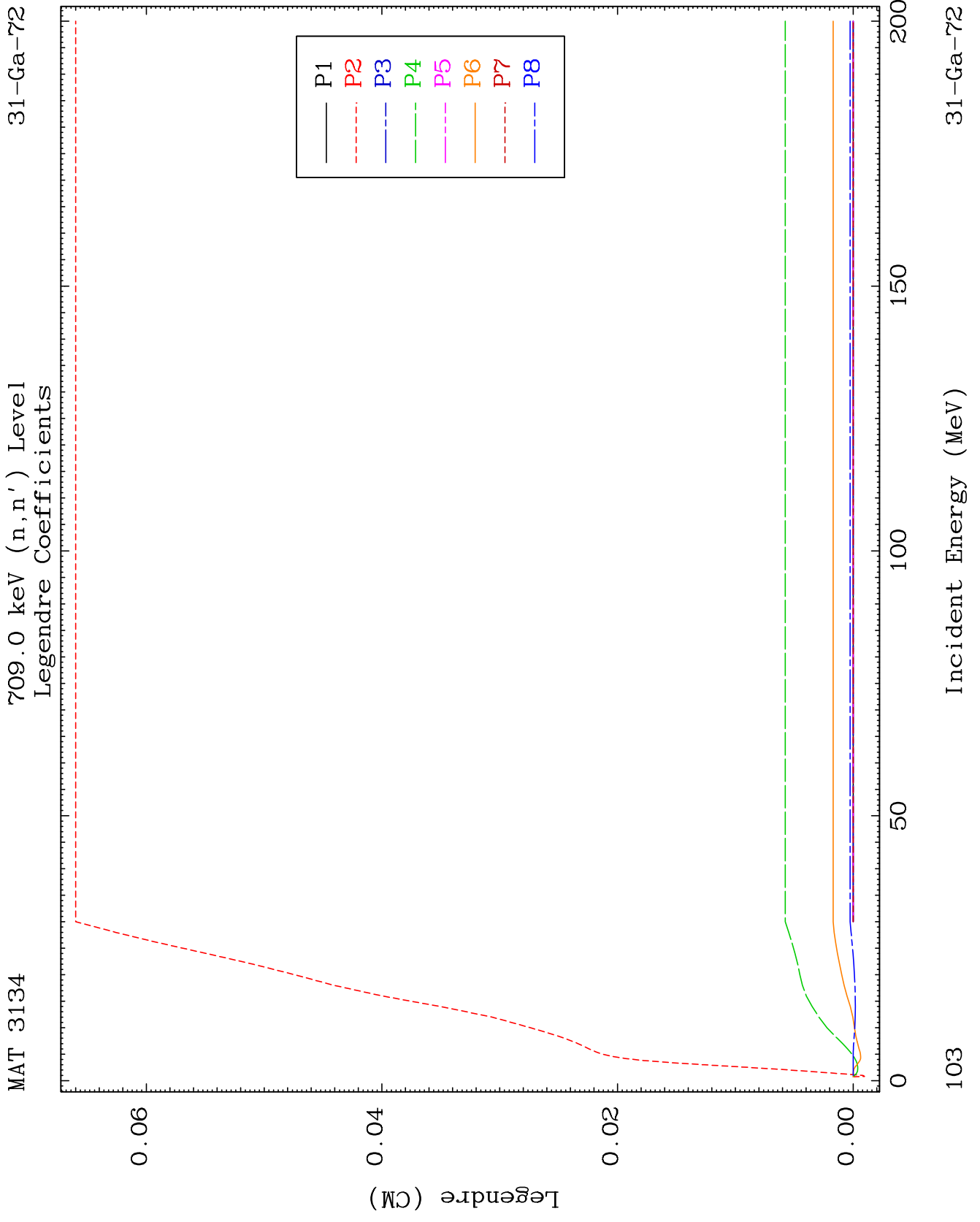








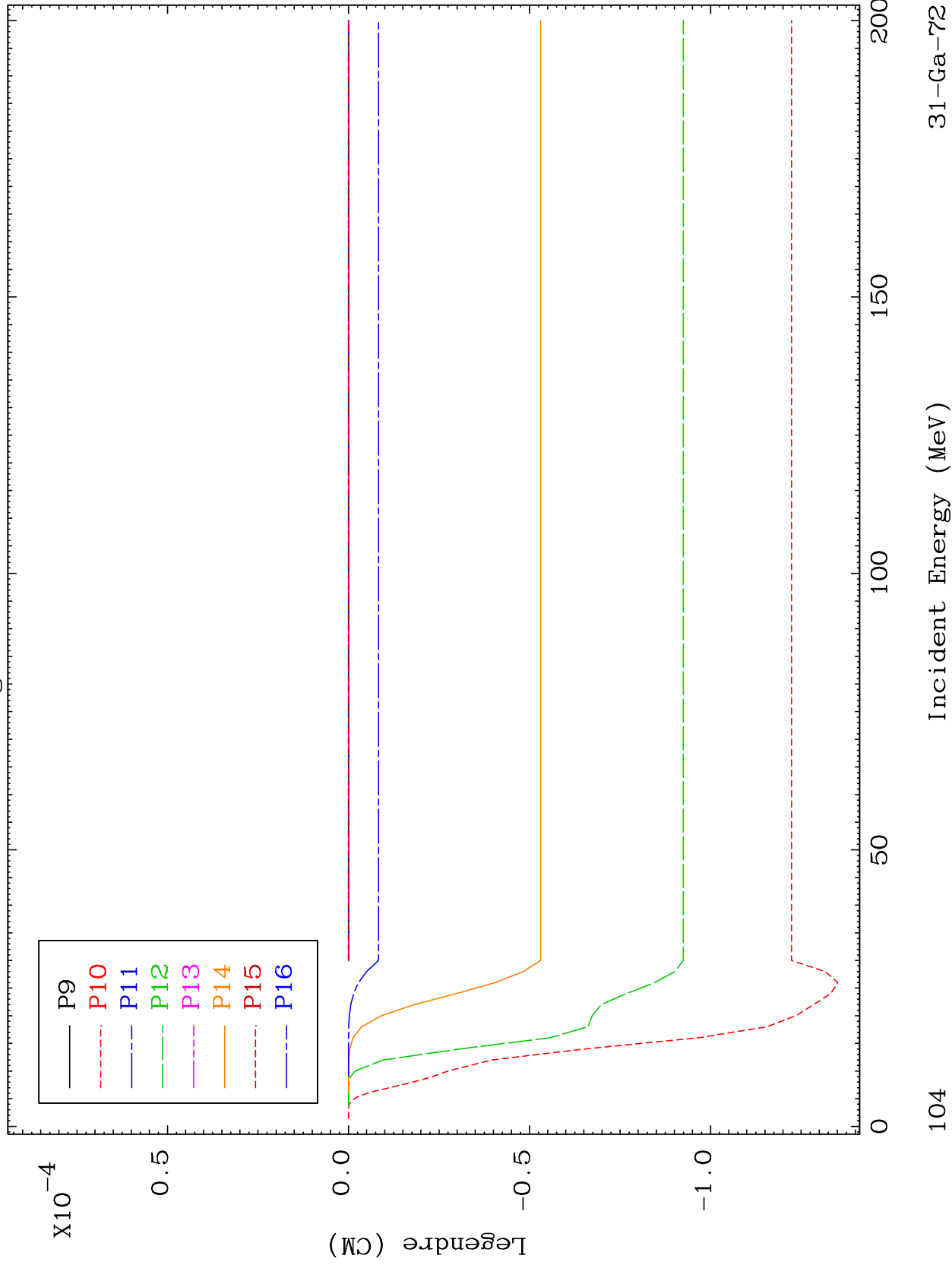




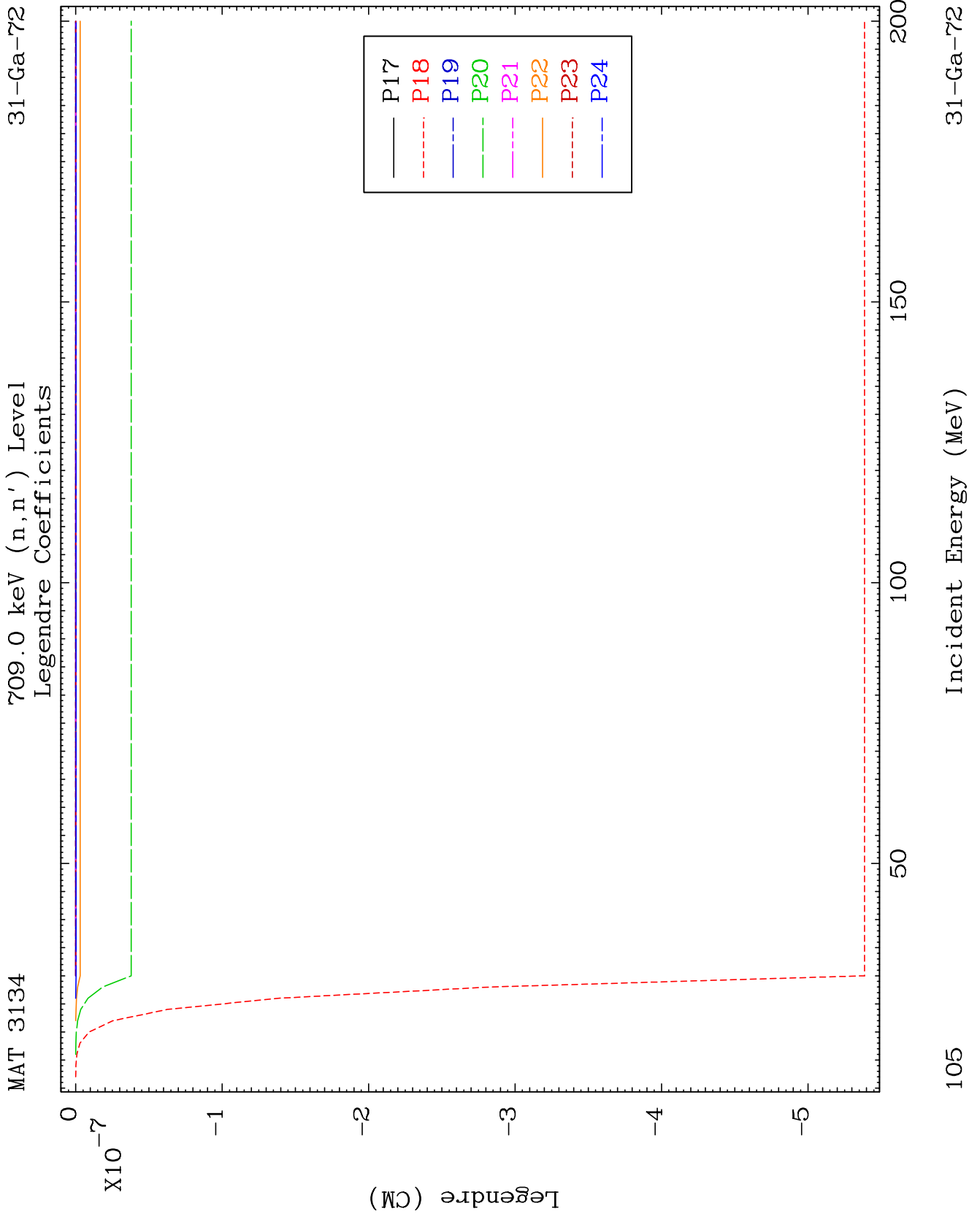
MAT 3134

709.0 keV (n,n') Level
Legendre Coefficients

31-Ga-72



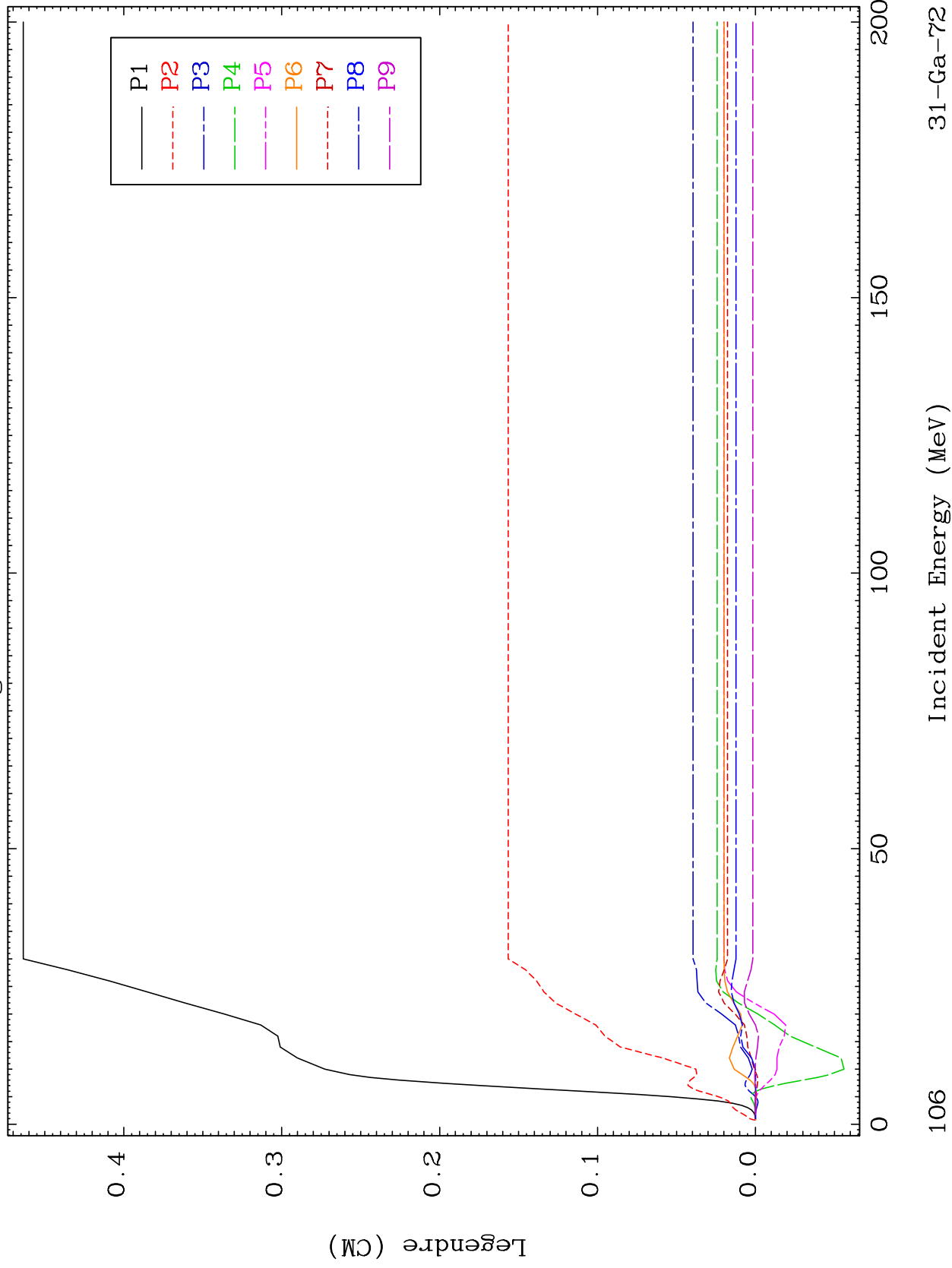
104



MAT 3134

737.7 keV (n,n') Level
Legendre Coefficients

31-Ga-72

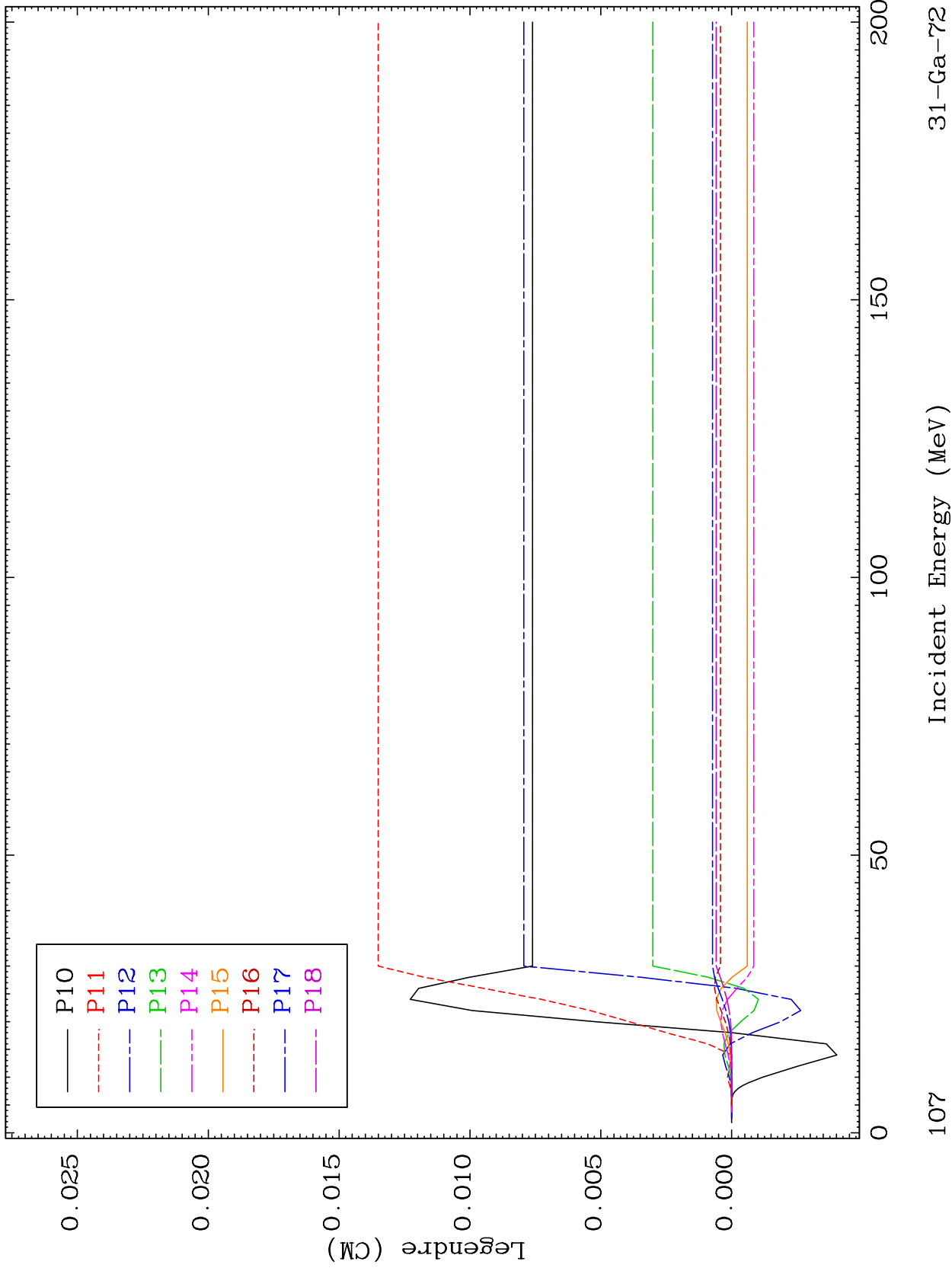


106

MAT 3134

737.7 keV (n,n') Level
Legendre Coefficients

31-Ga-72



107

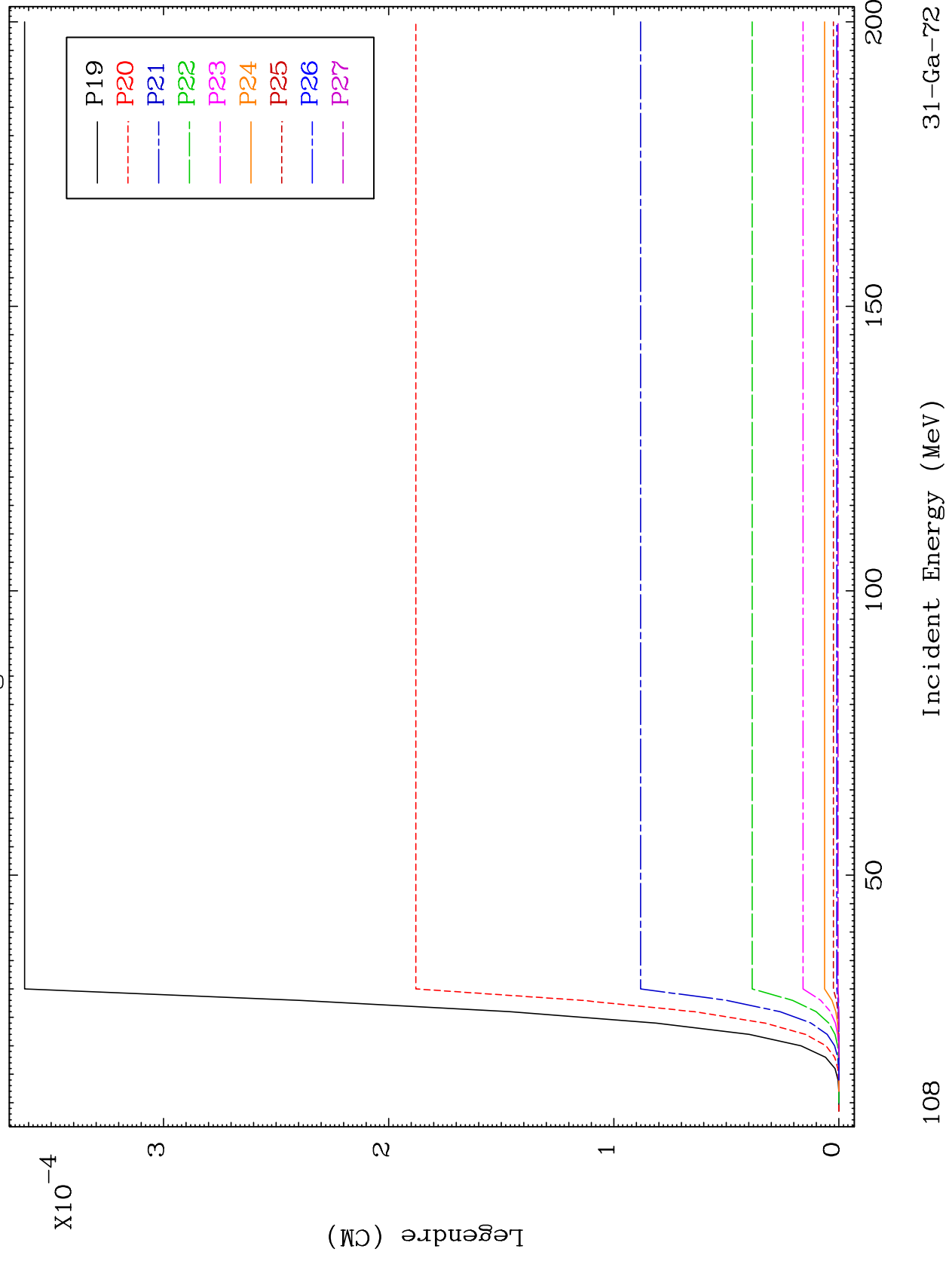
Incident Energy (MeV)

31-Ga-72

MAT 3134

737.7 keV (n,n') Level
Legendre Coefficients

31-Ga-72



108

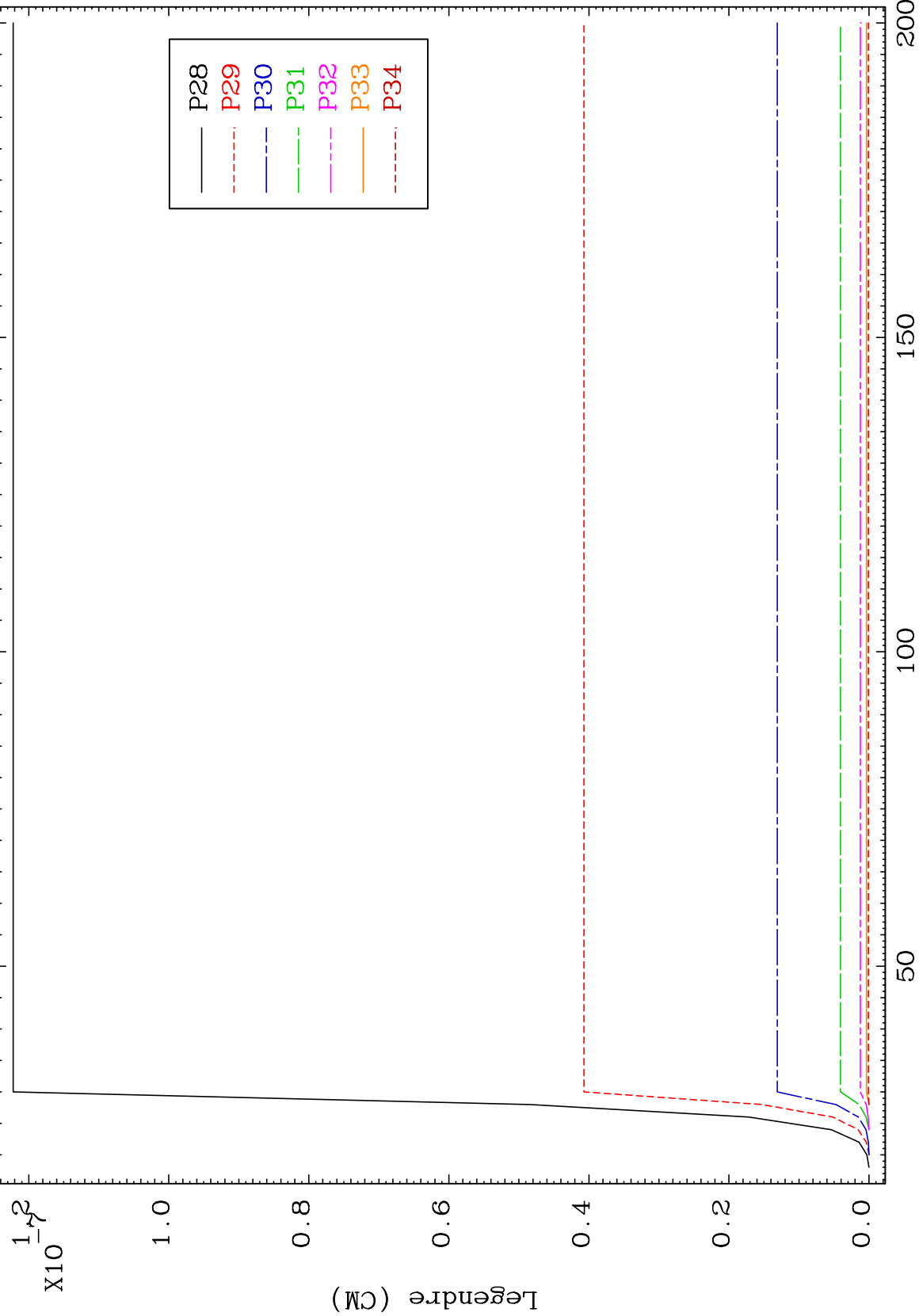
Incident Energy (MeV)

31-Ga-72

MAT 3134

737.7 keV (n,n') Level
Legendre Coefficients

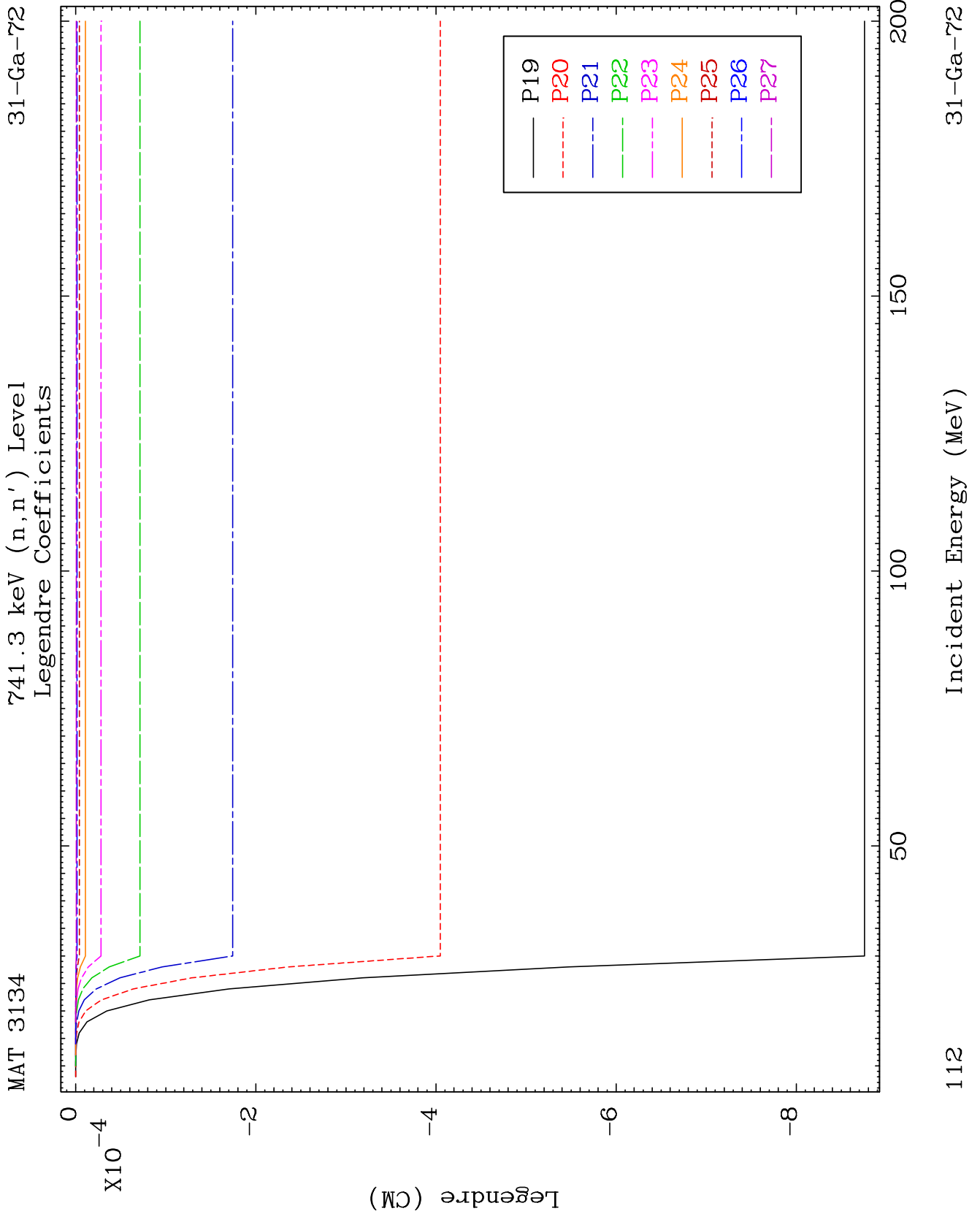
31-Ga-72

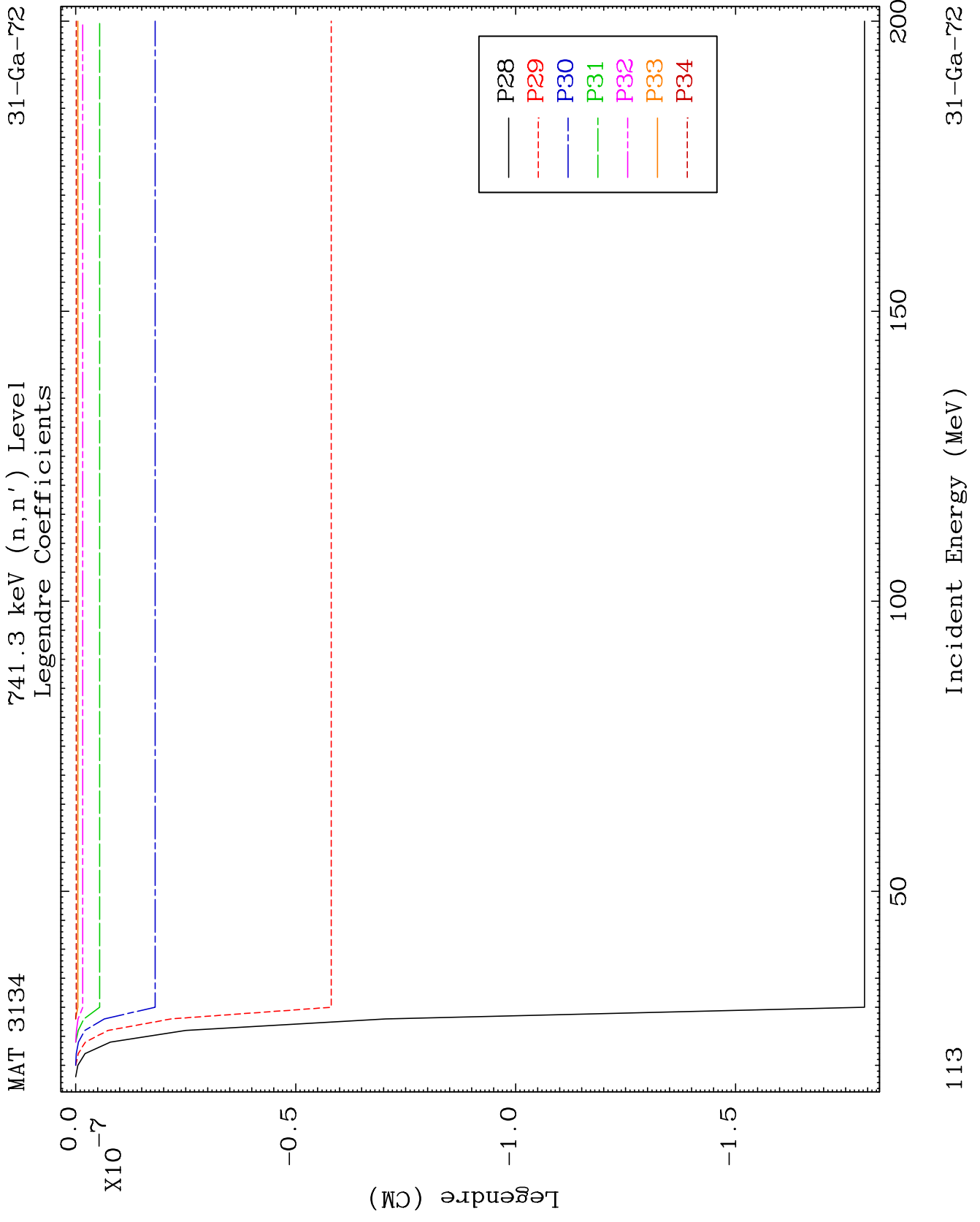


109

Incident Energy (MeV)

31-Ga-72



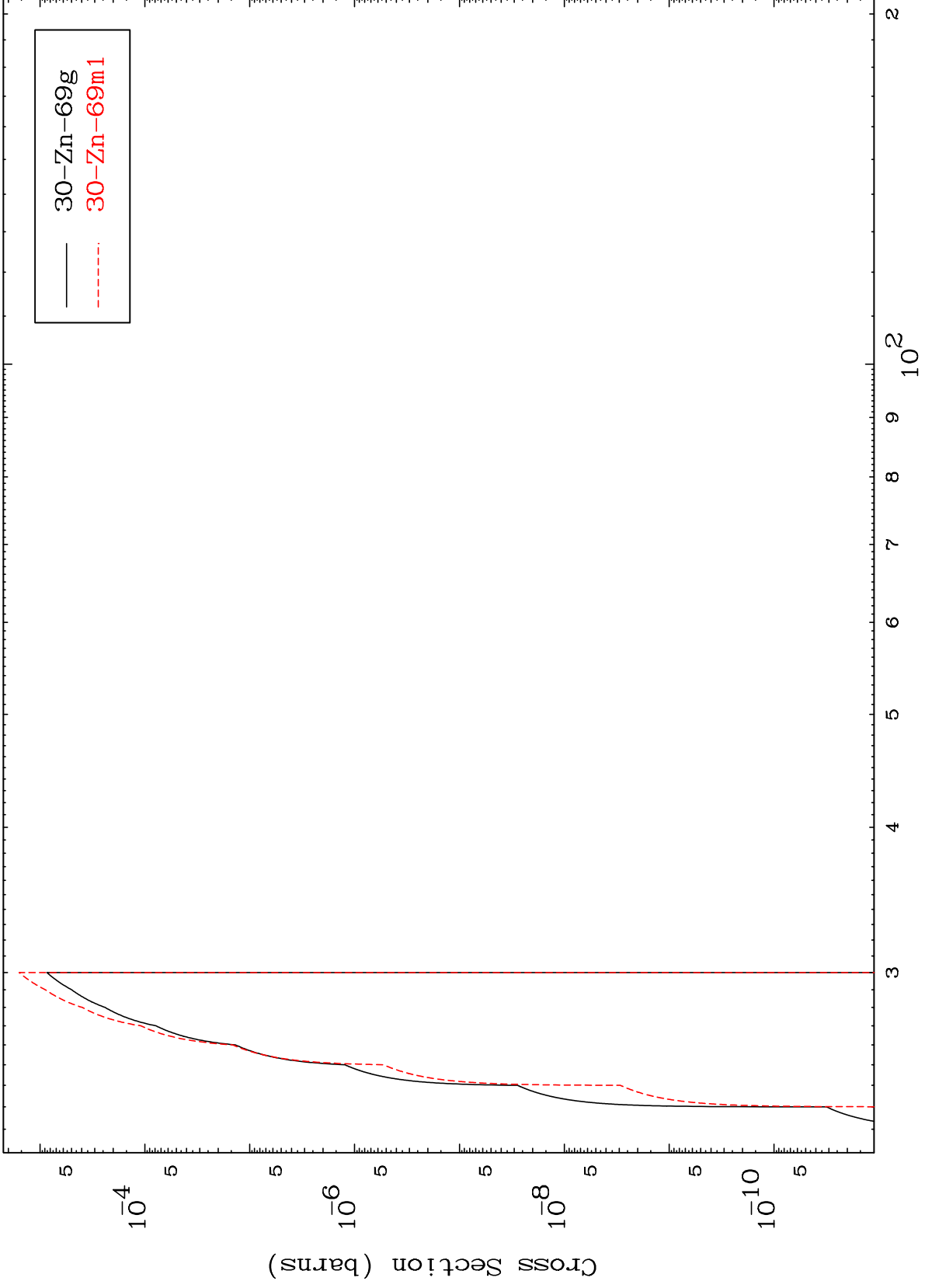


MAT 3134

(n,2n) d

31-Ga-72

Radionuclide Production Cross Section



114

Incident Energy (MeV)

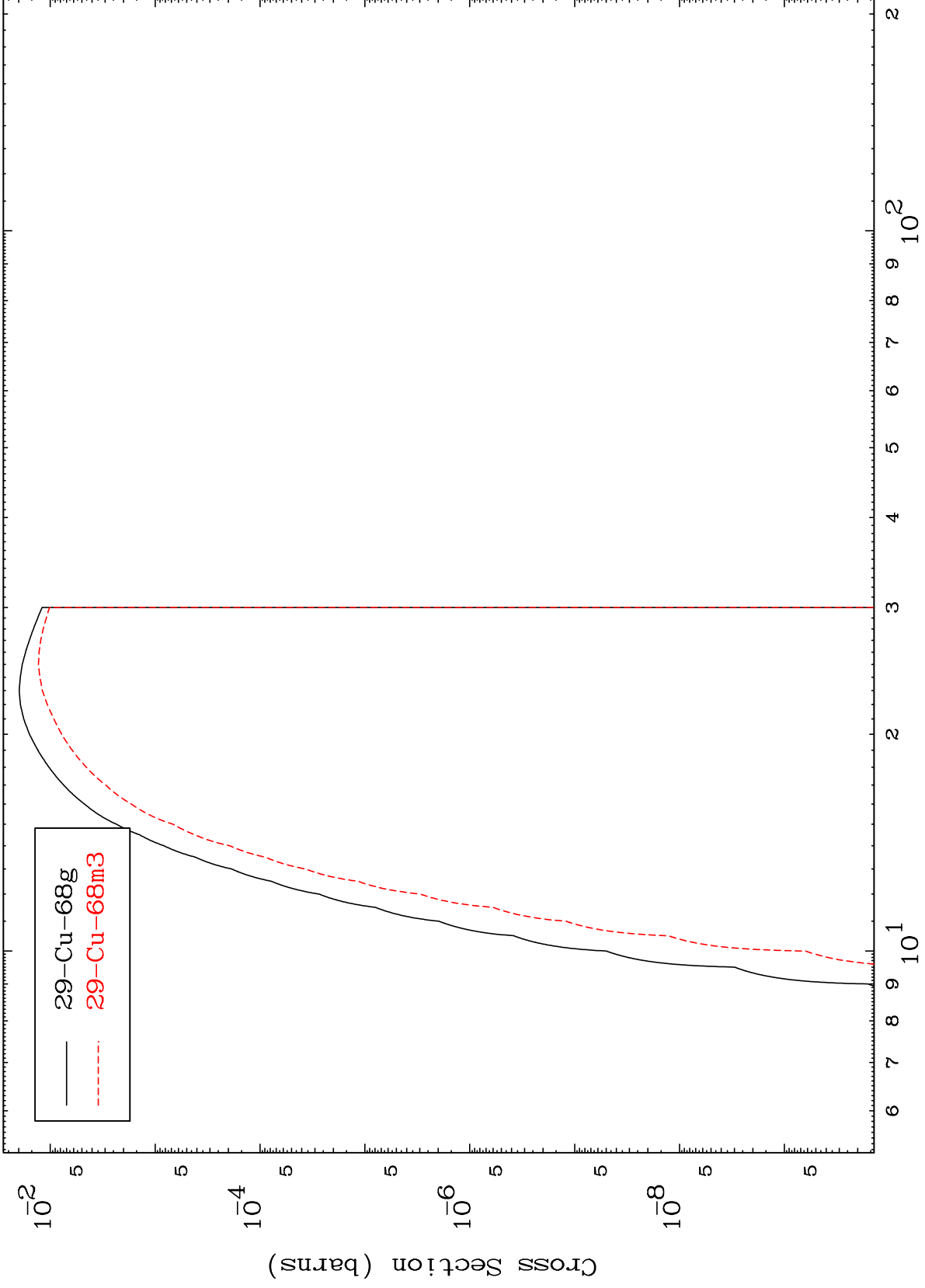
31-Ga-72

MAT 3134

(n, n') α

31-Ga-72

Radionuclide Production Cross Section



115

Incident Energy (MeV)

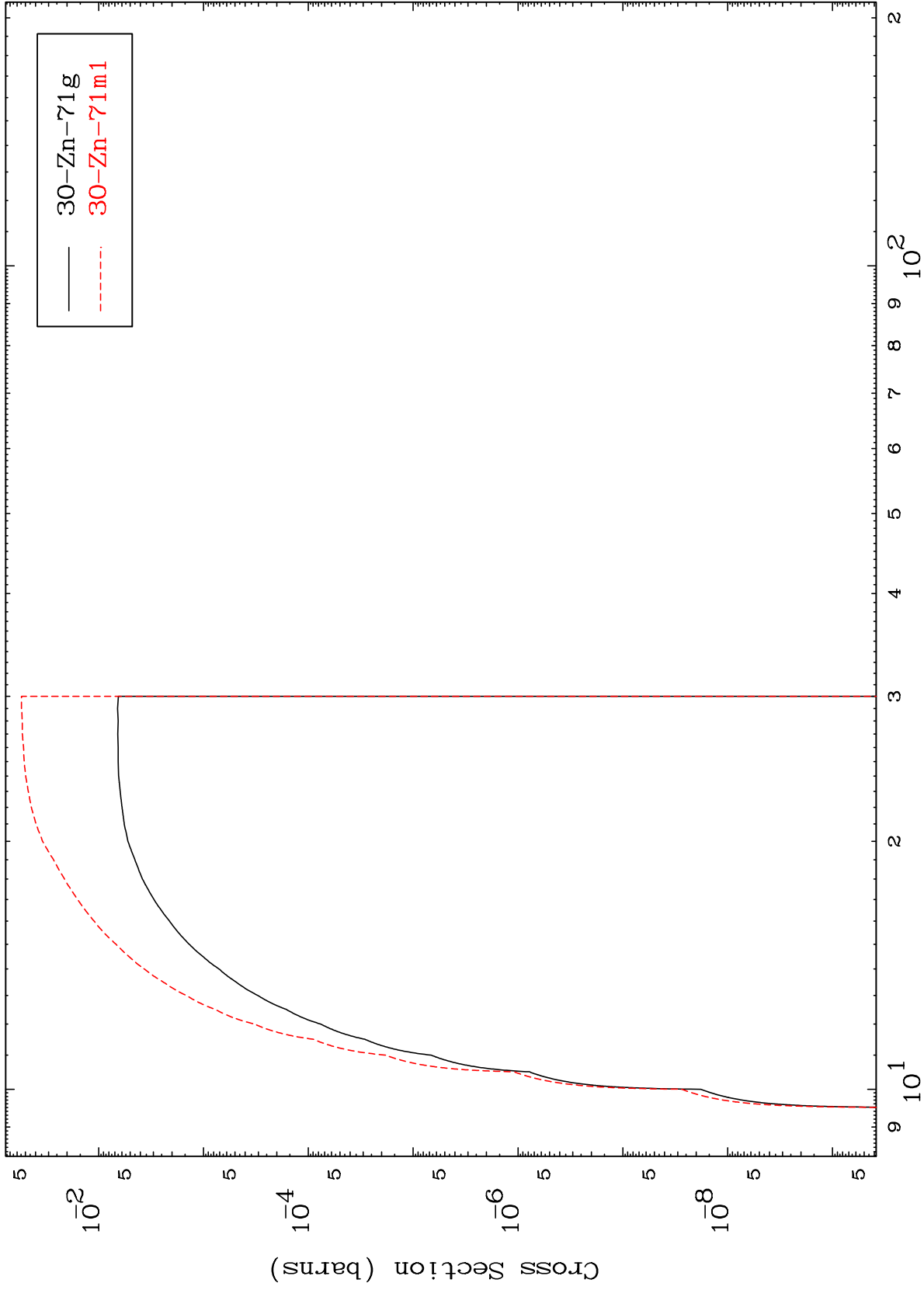
31-Ga-72

MAT 3134

(n,n') p

31-Ga-72

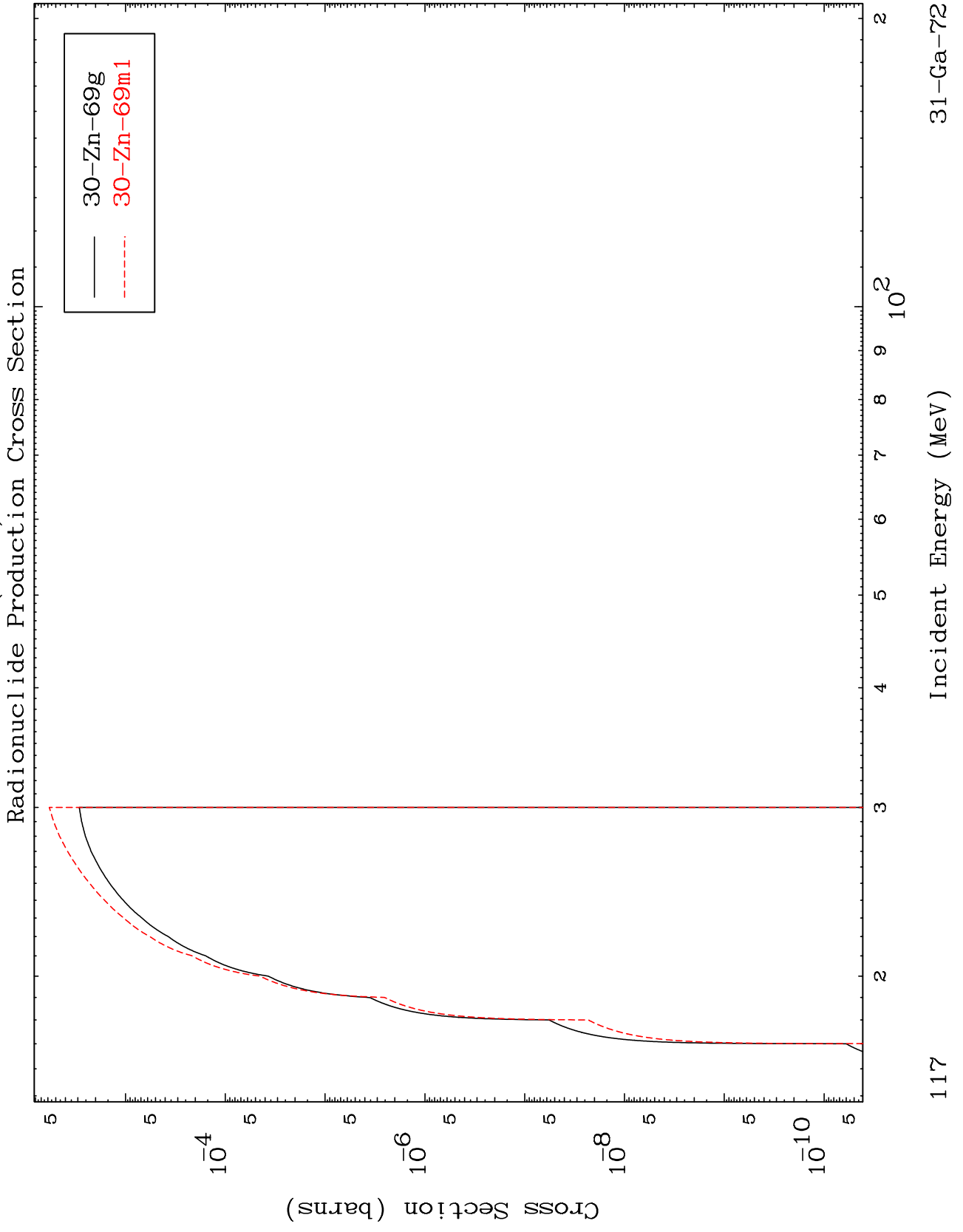
Radionuclide Production Cross Section



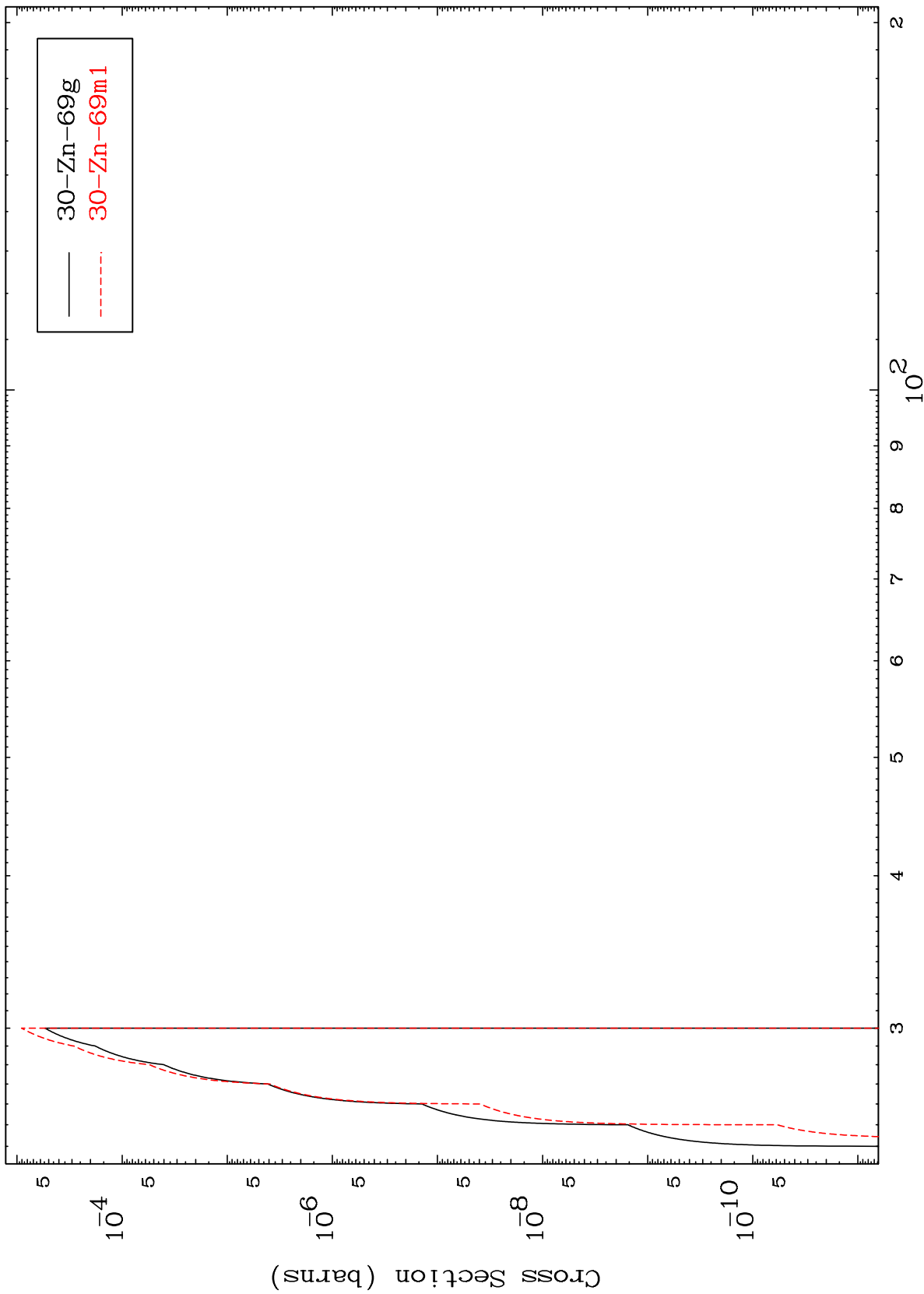
116

Incident Energy (MeV)

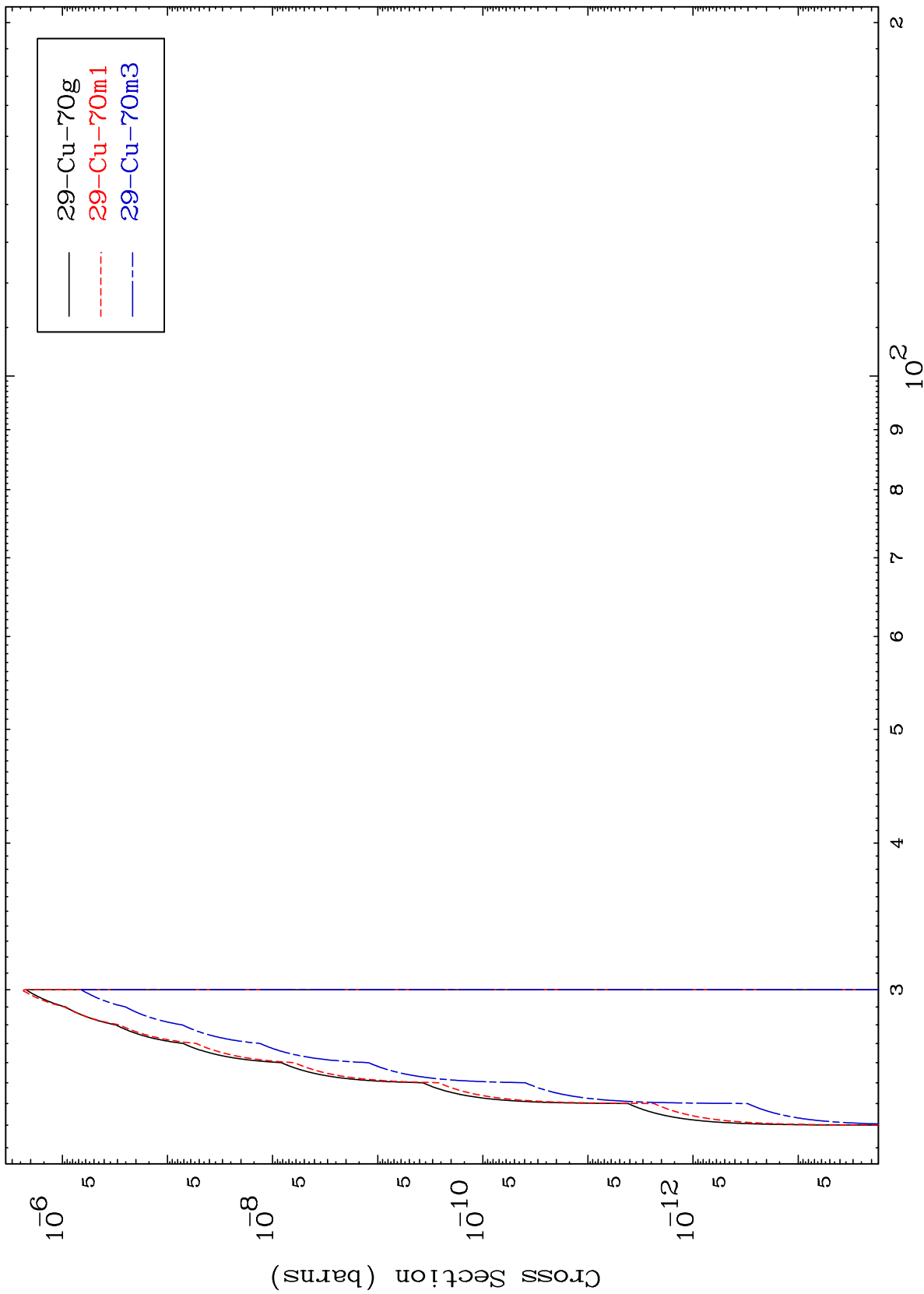
31-Ga-72



Radionuclide Production Cross Section



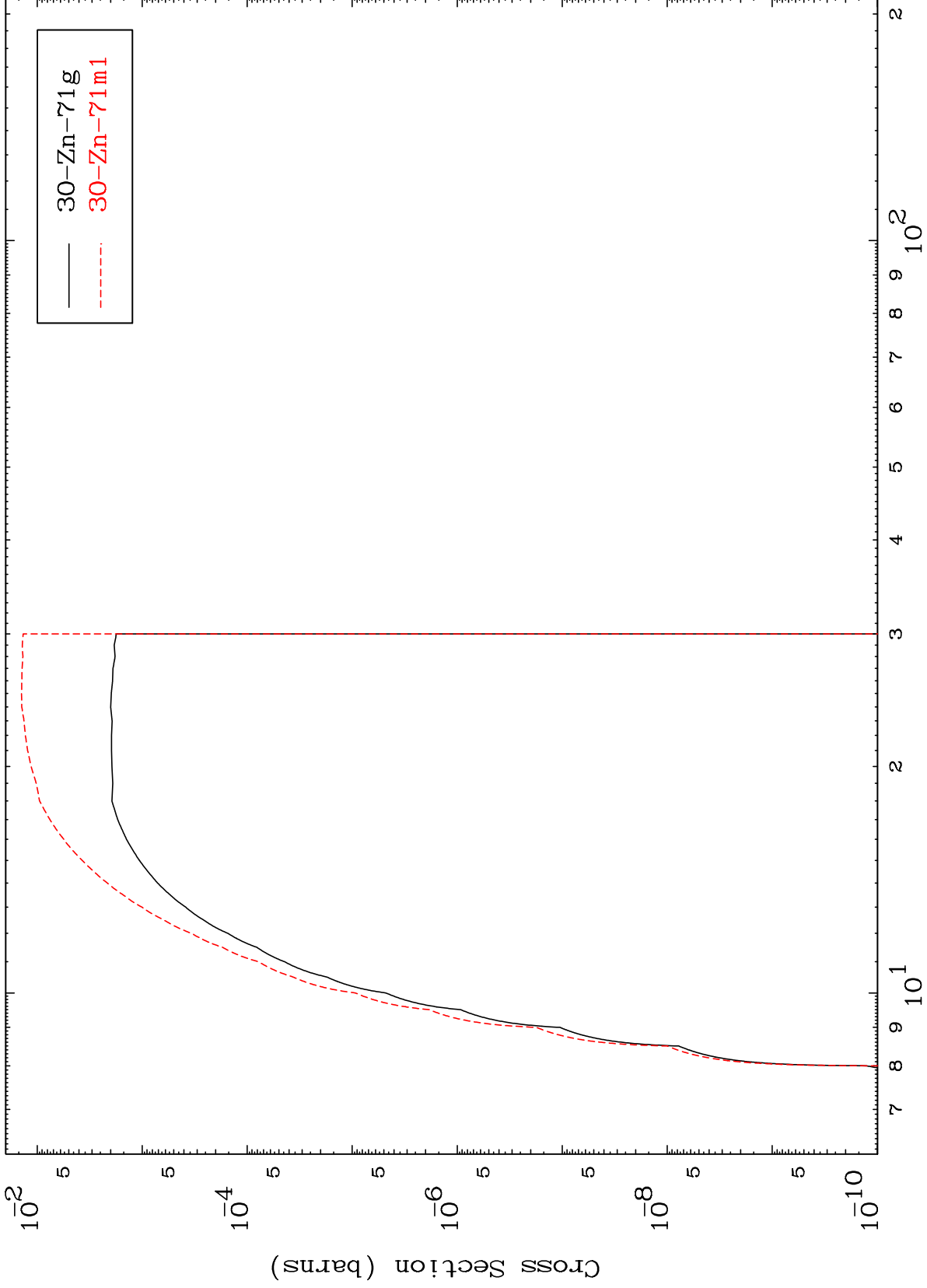
Radionuclide Production Cross Section



MAT 3134

31-Ga-72

(n,d)
Radionuclide Production Cross Section

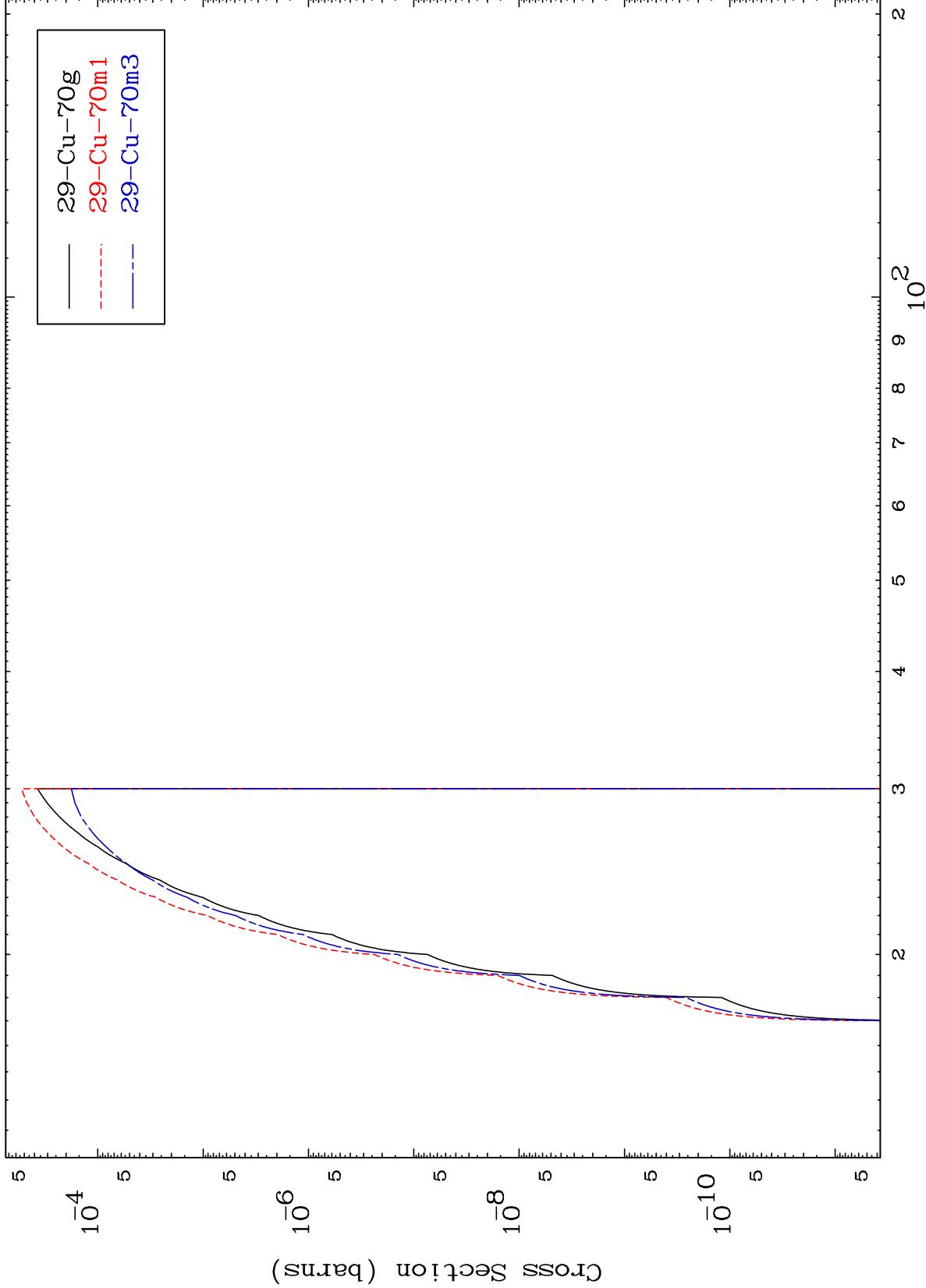


31-Ga-72

Incident Energy (MeV)

120

Radionuclide Production Cross Section



Radionuclide Production Cross Section

