

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

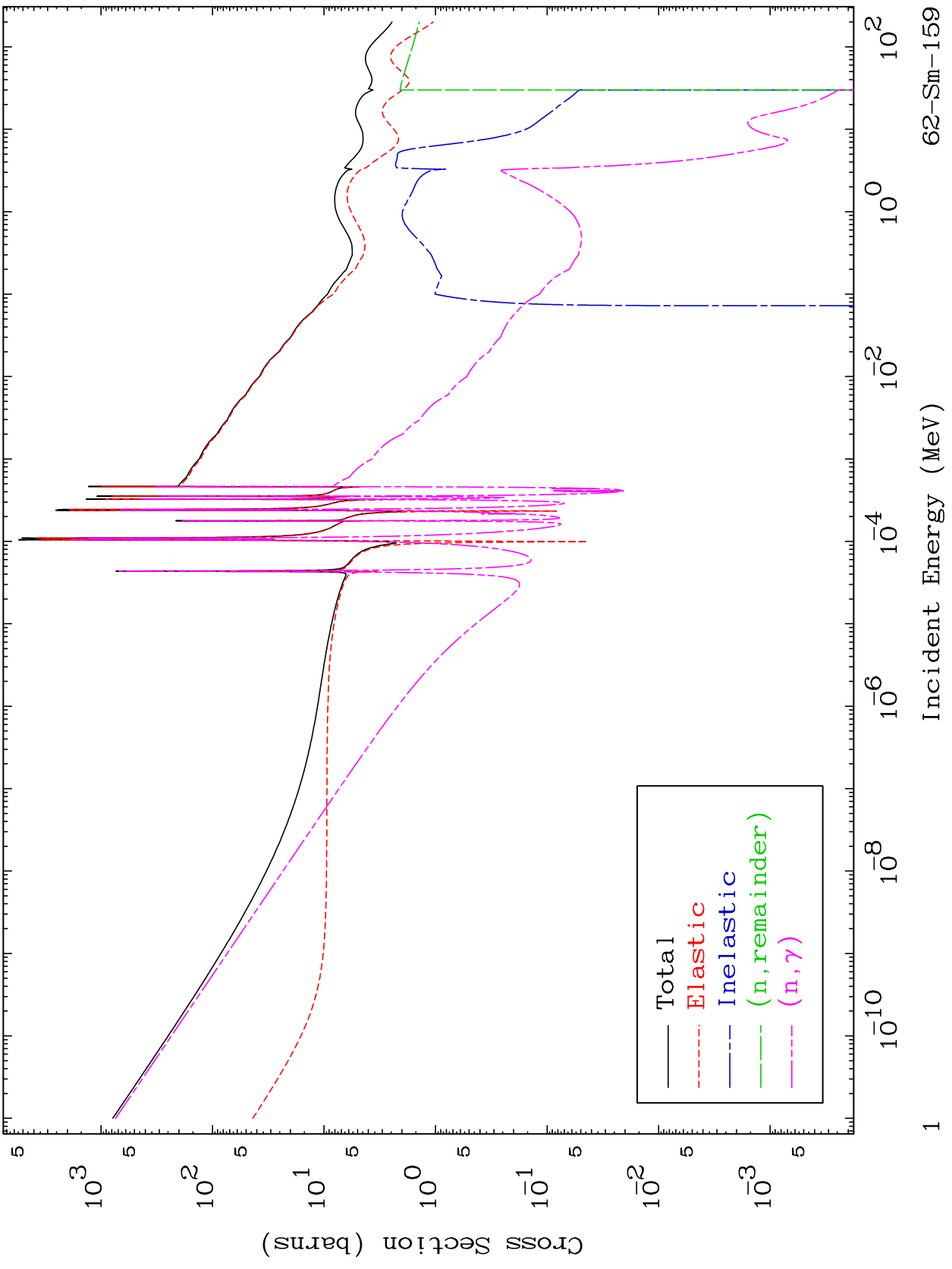
Press Mouse Button to Start

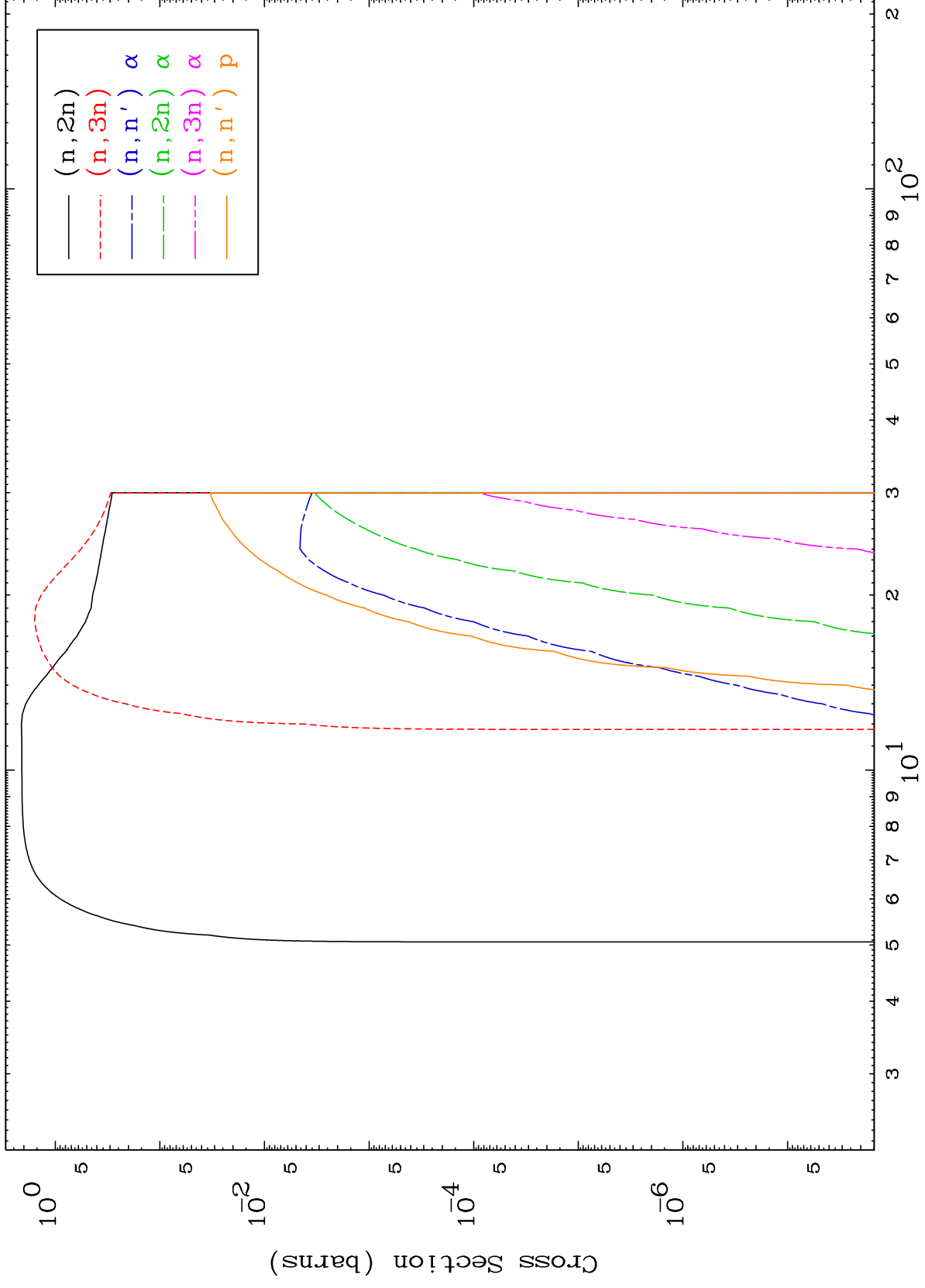
MAT 6270

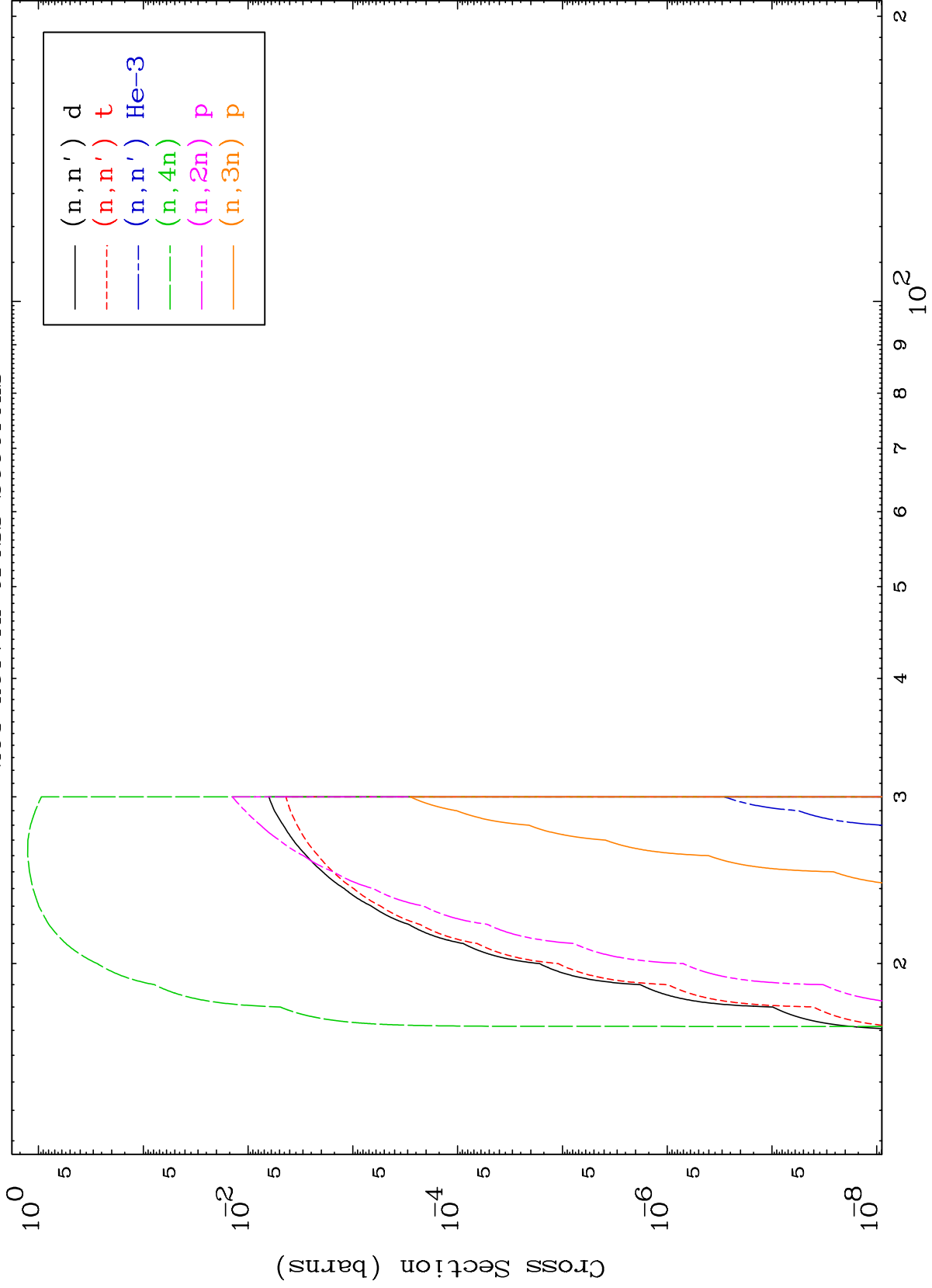
Major

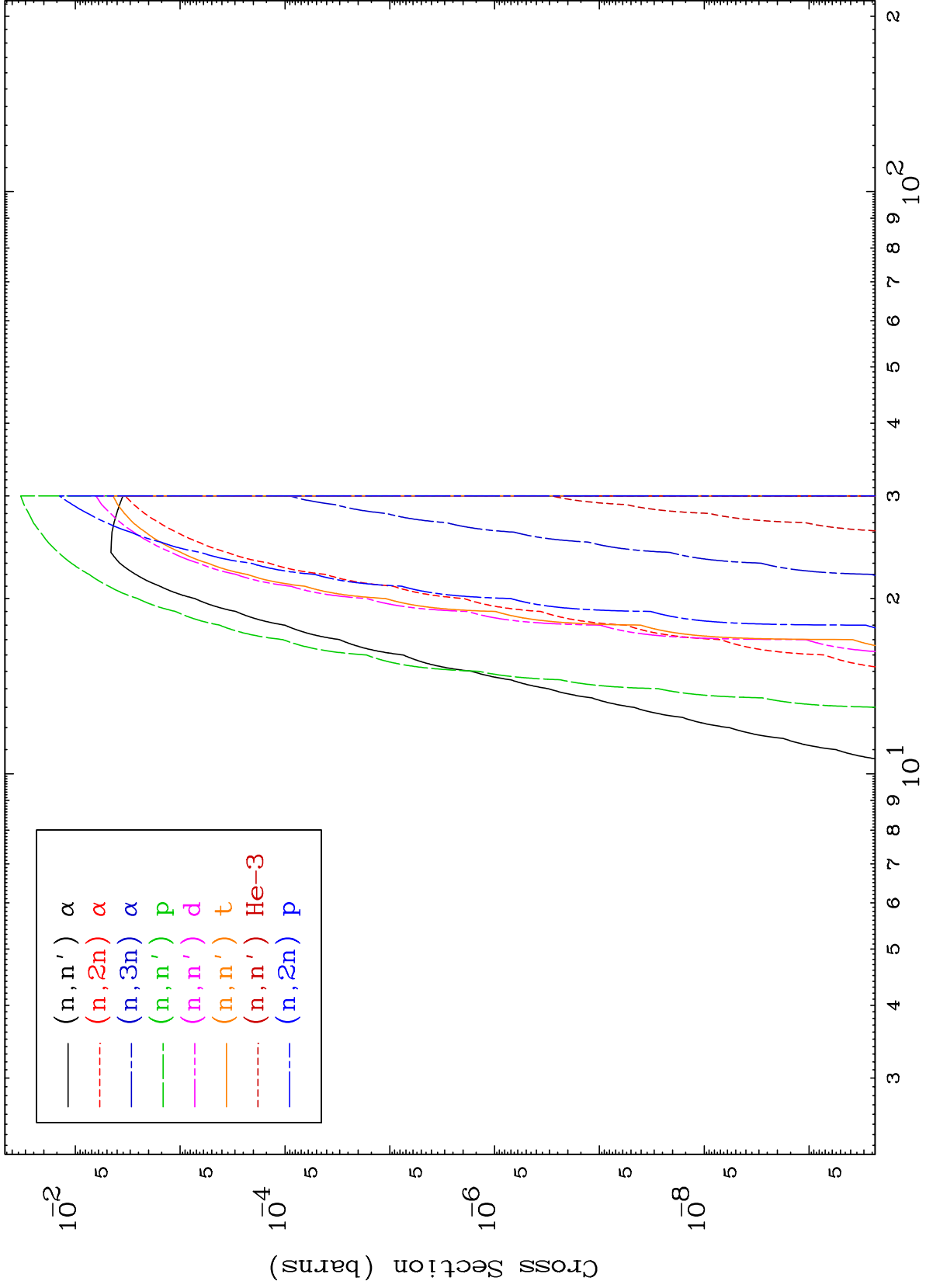
293 Kelvin Cross Sections

62-Sm-159





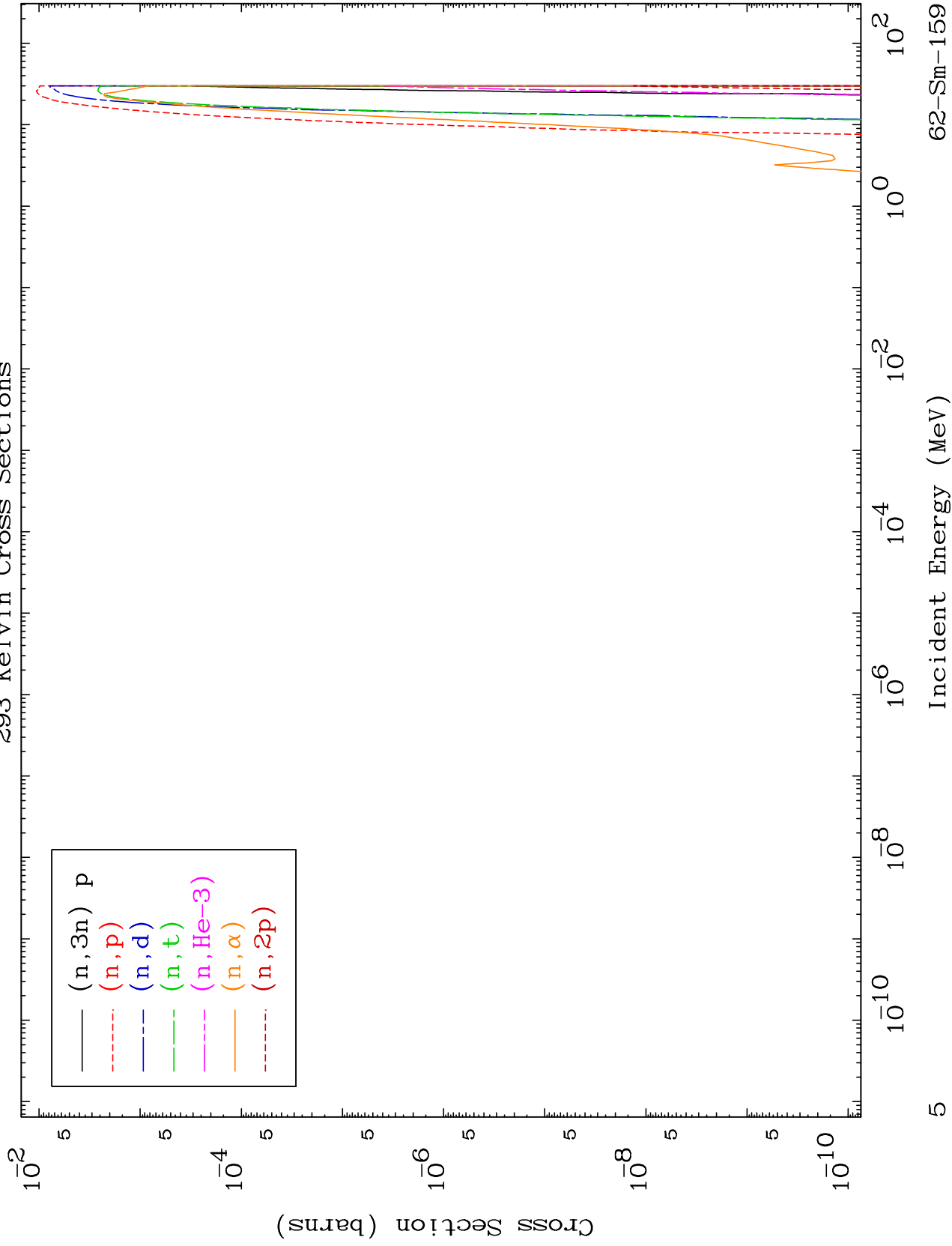




MAT 6270

Charged Particle
293 Kelvin Cross Sections

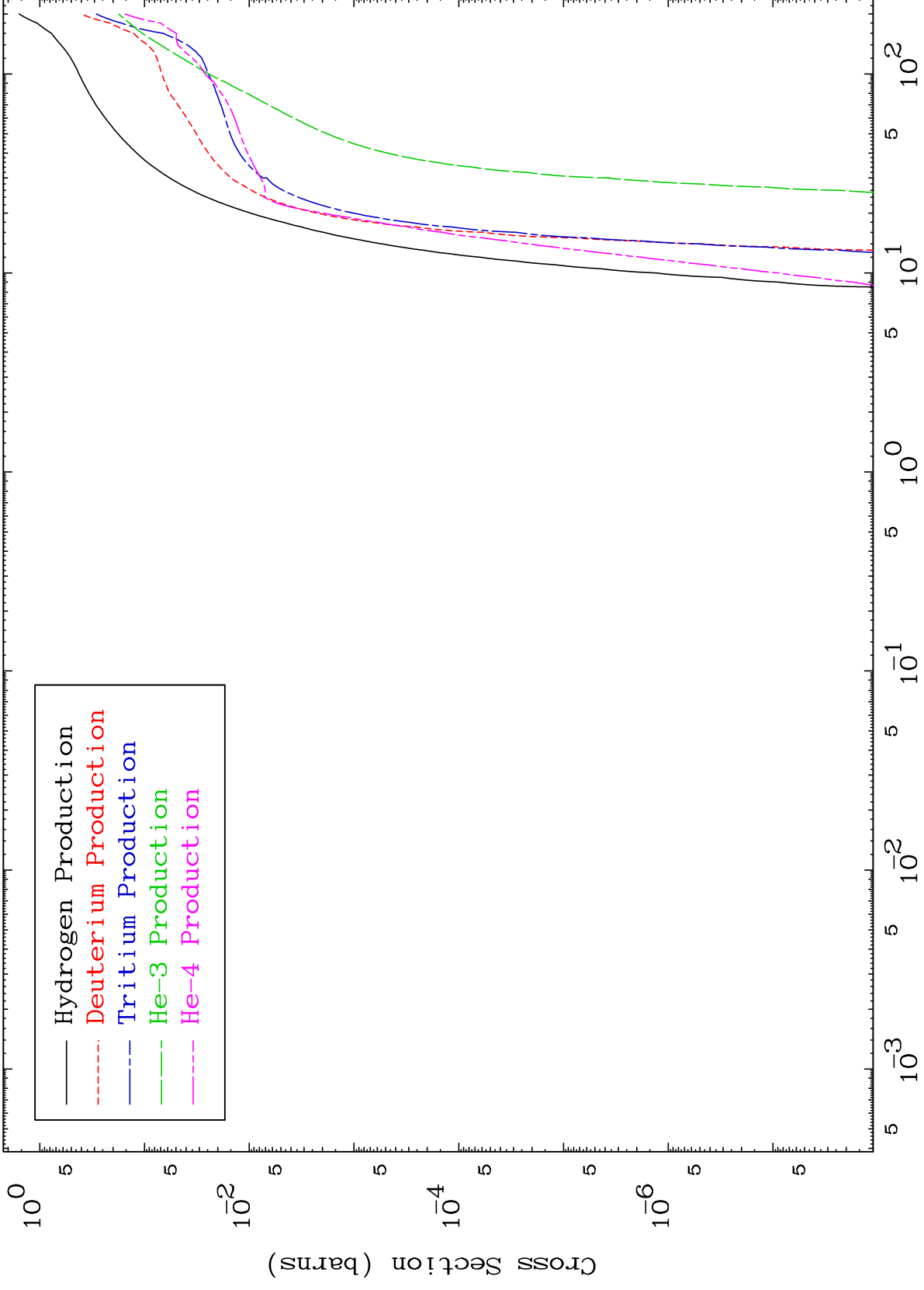
62-Sm-159



MAT 6270

Particle Production
293 Kelvin Cross Sections

62-Sm-159



6

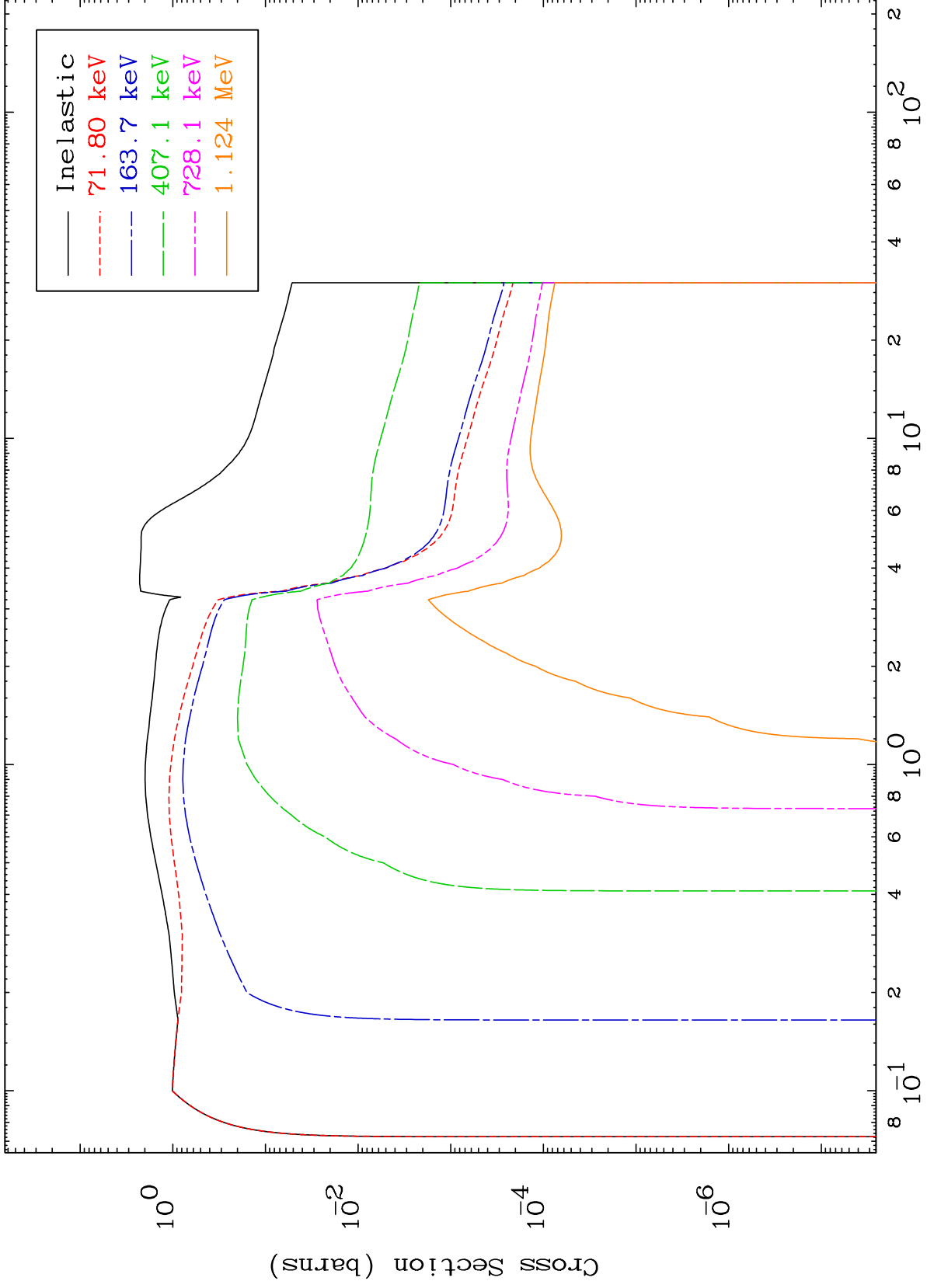
Incident Energy (MeV)

62-Sm-159

MAT 6270

(n,n') Level
293 Kelvin Cross Sections

62-Sm-159



7

Incident Energy (MeV)

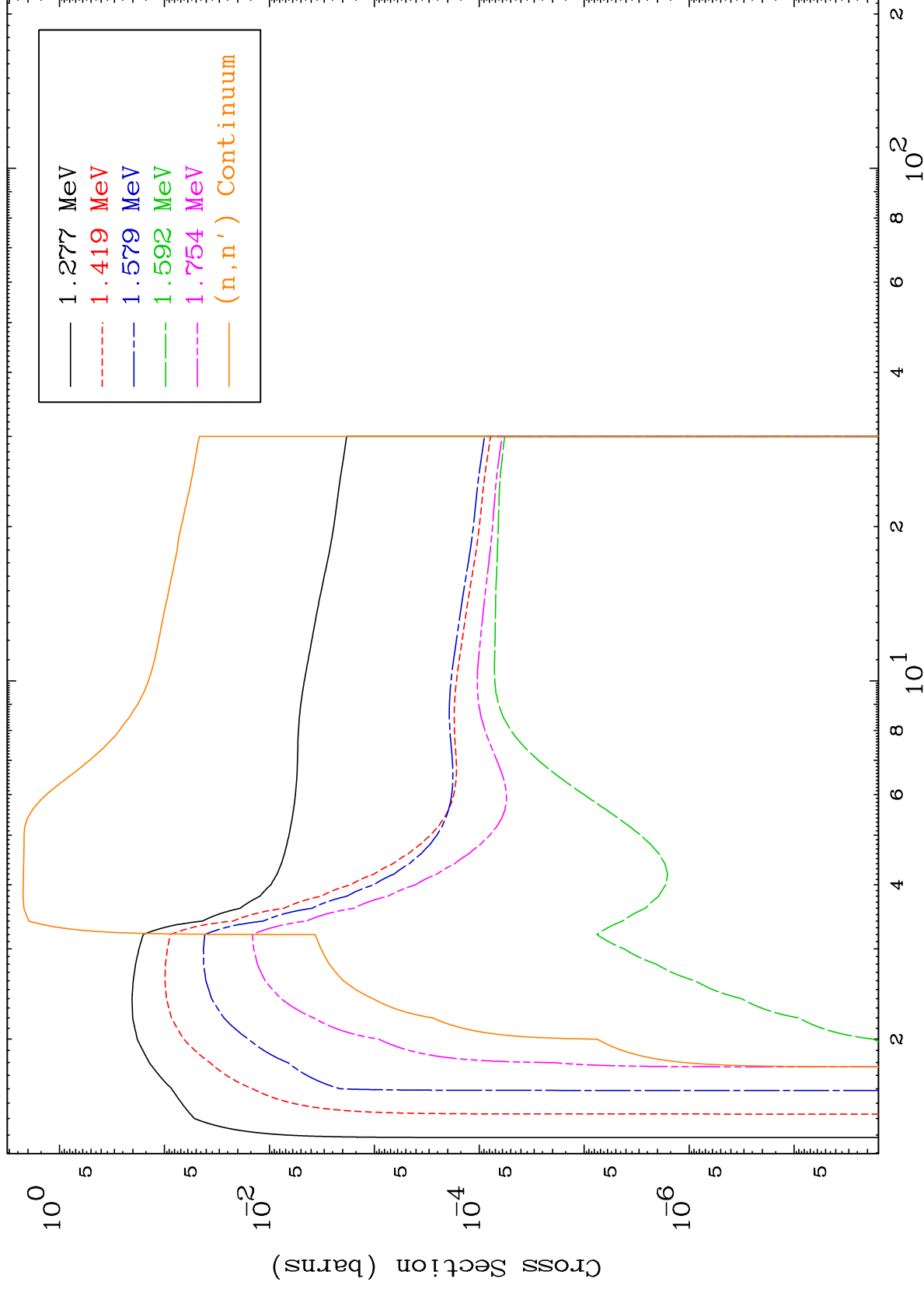
62-Sm-159

MAT 6270

(n,n') Level

293 Kelvin Cross Sections

62-Sm-159



8

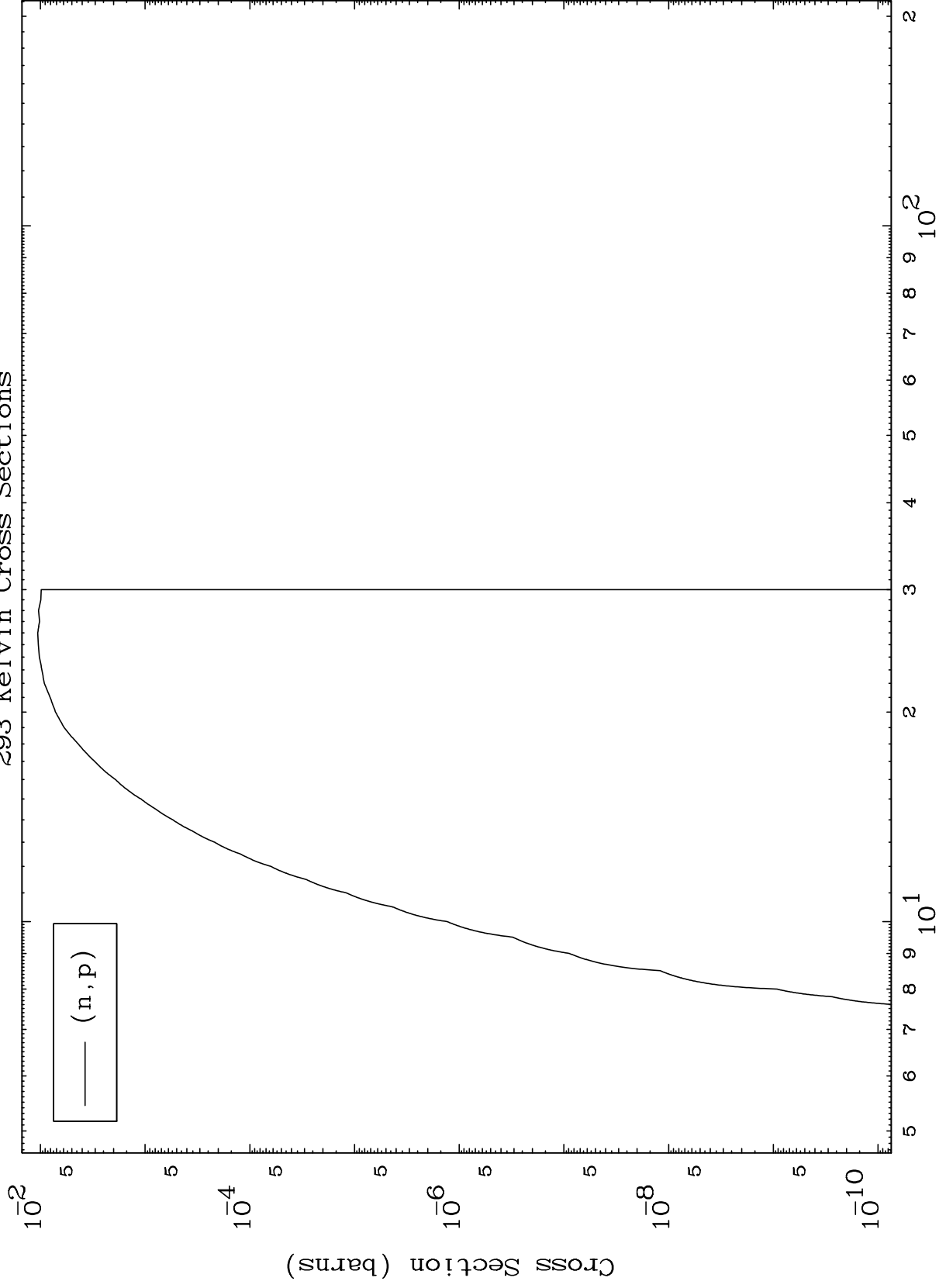
Incident Energy (MeV)

62-Sm-159

MAT 6270

(n,p) Levels
293 Kelvin Cross Sections

62-Sm-159



9

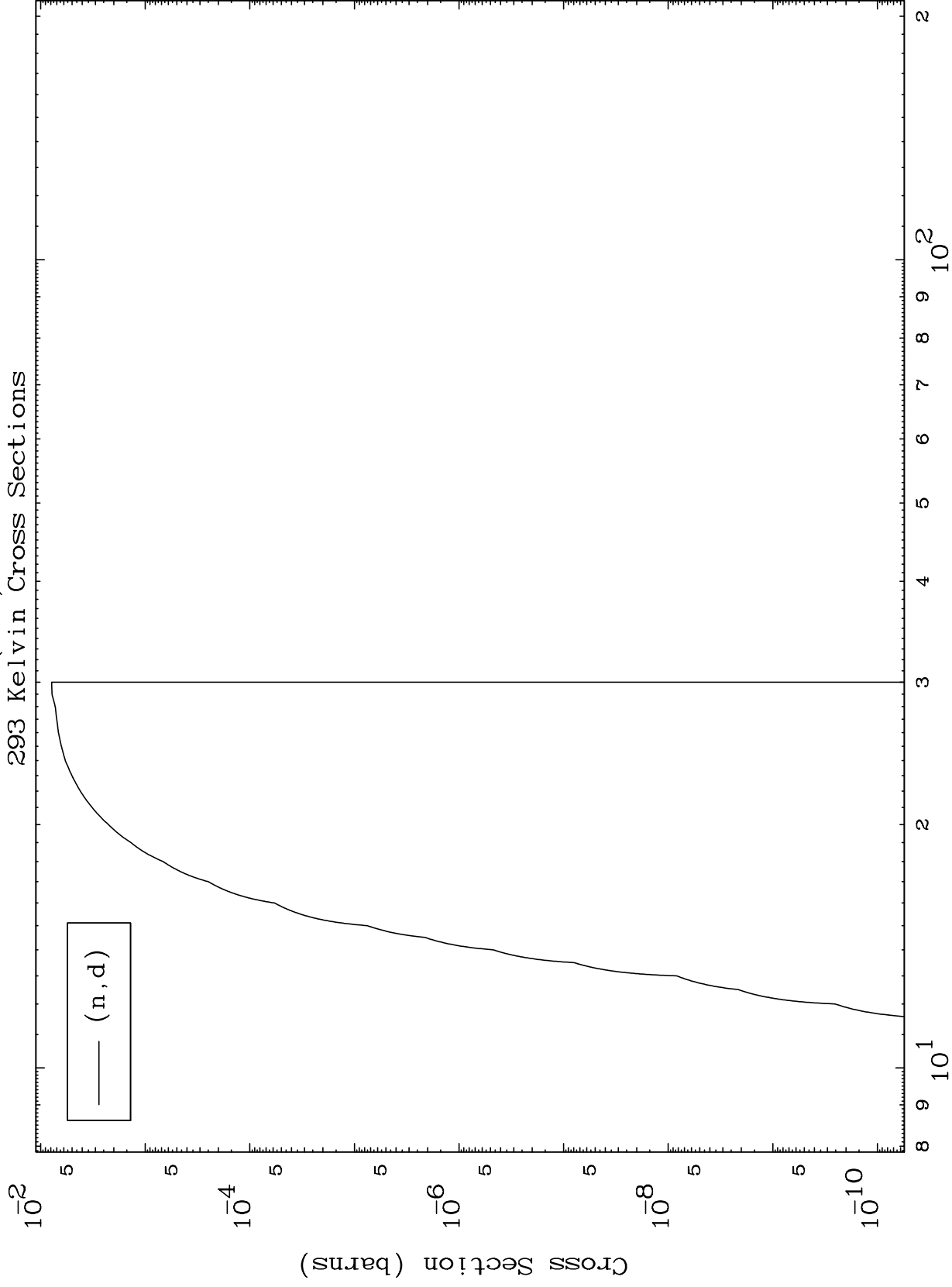
Incident Energy (MeV)

62-Sm-159

MAT 6270

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-159



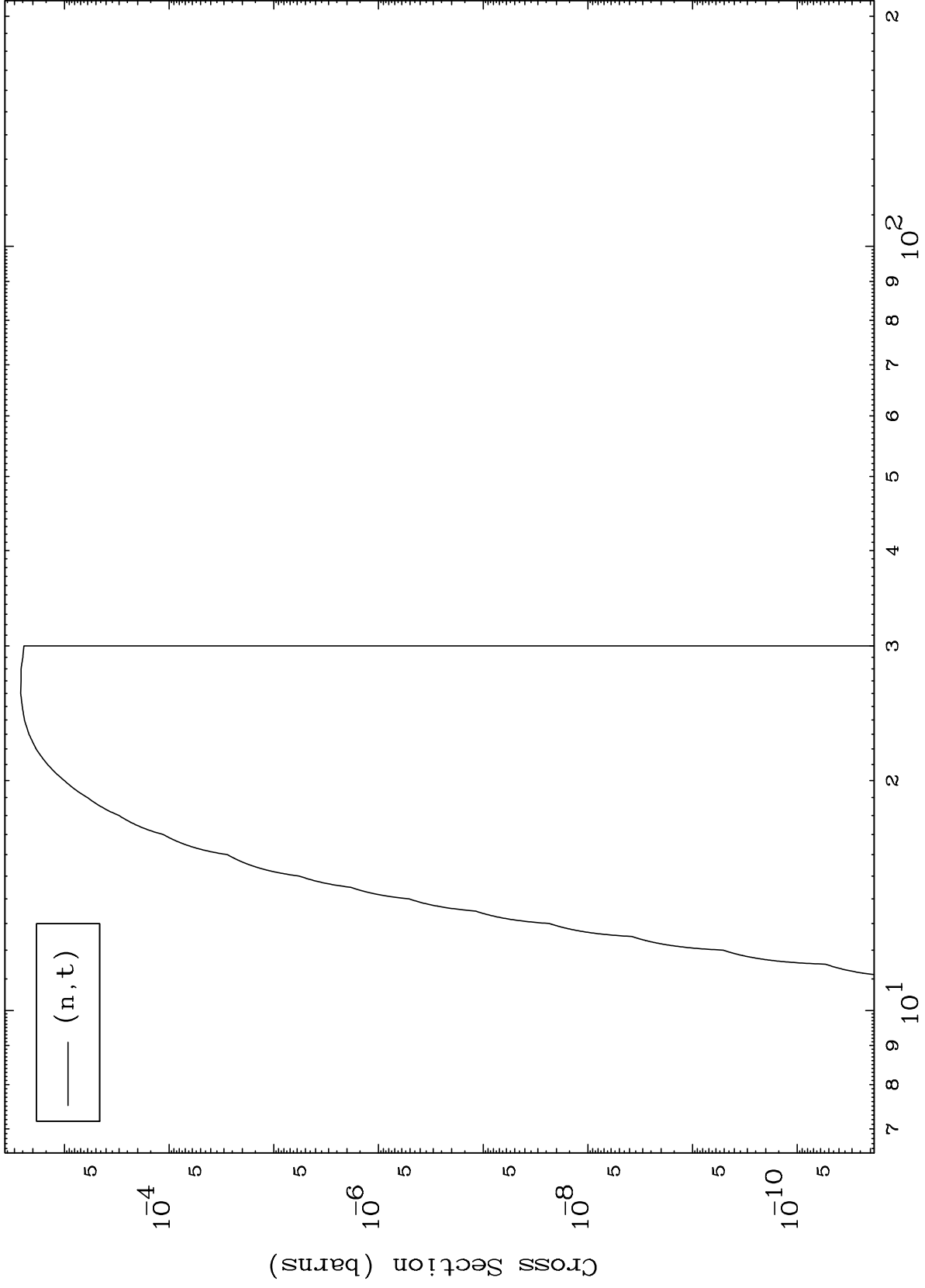
Incident Energy (MeV)

62-Sm-159

MAT 6270

(n,t) Levels
293 Kelvin Cross Sections

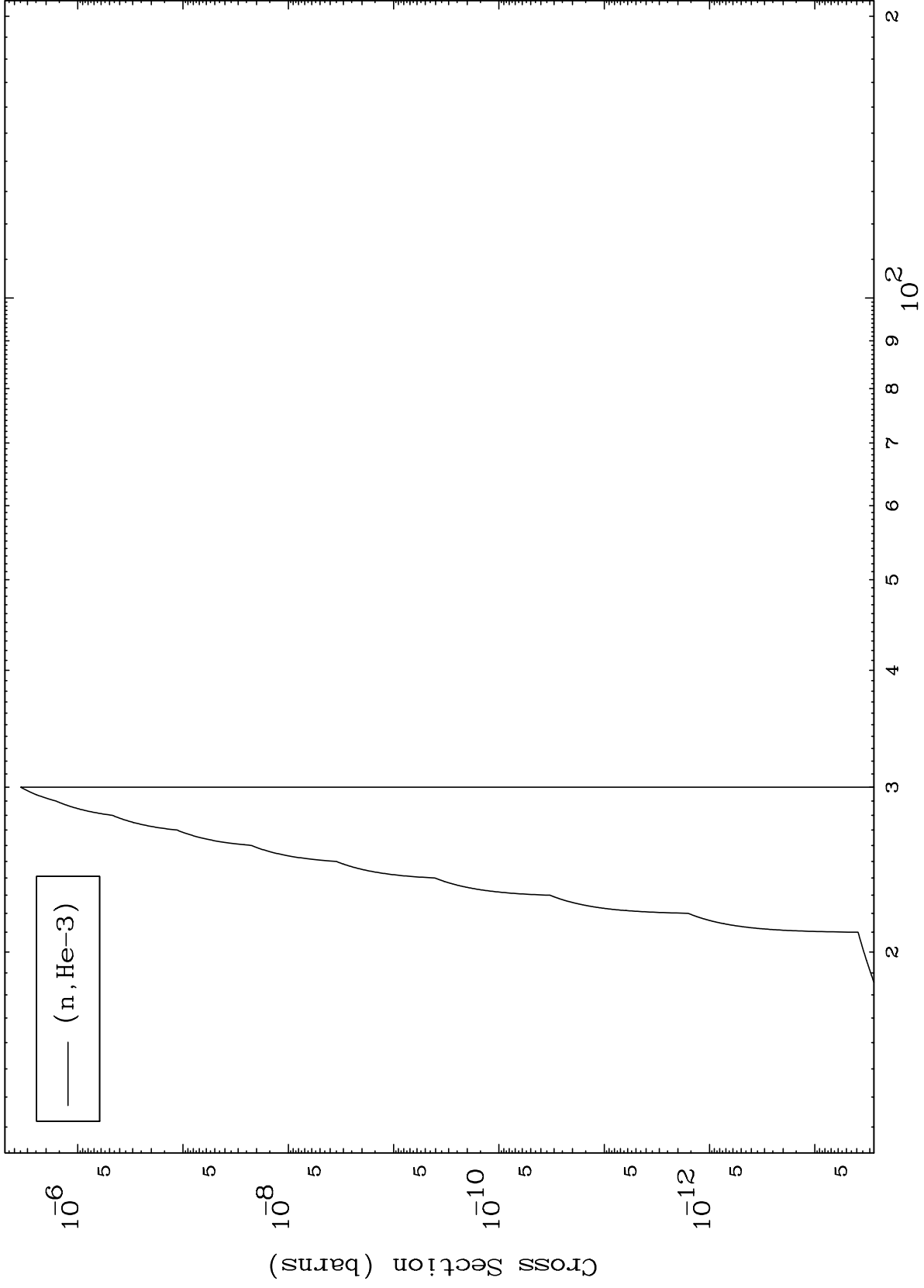
62-Sm-159



MAT 6270

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-159



12

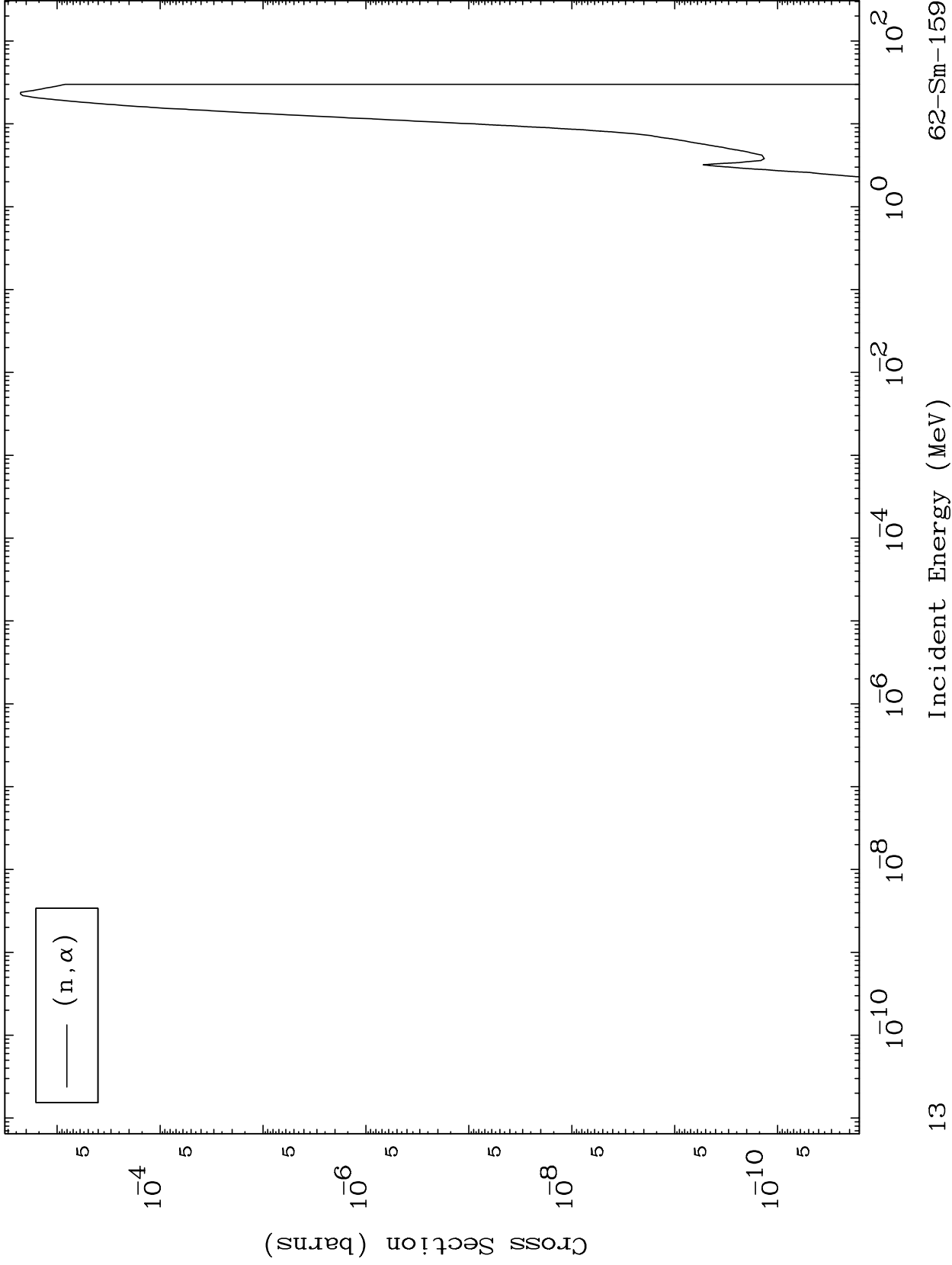
Incident Energy (MeV)

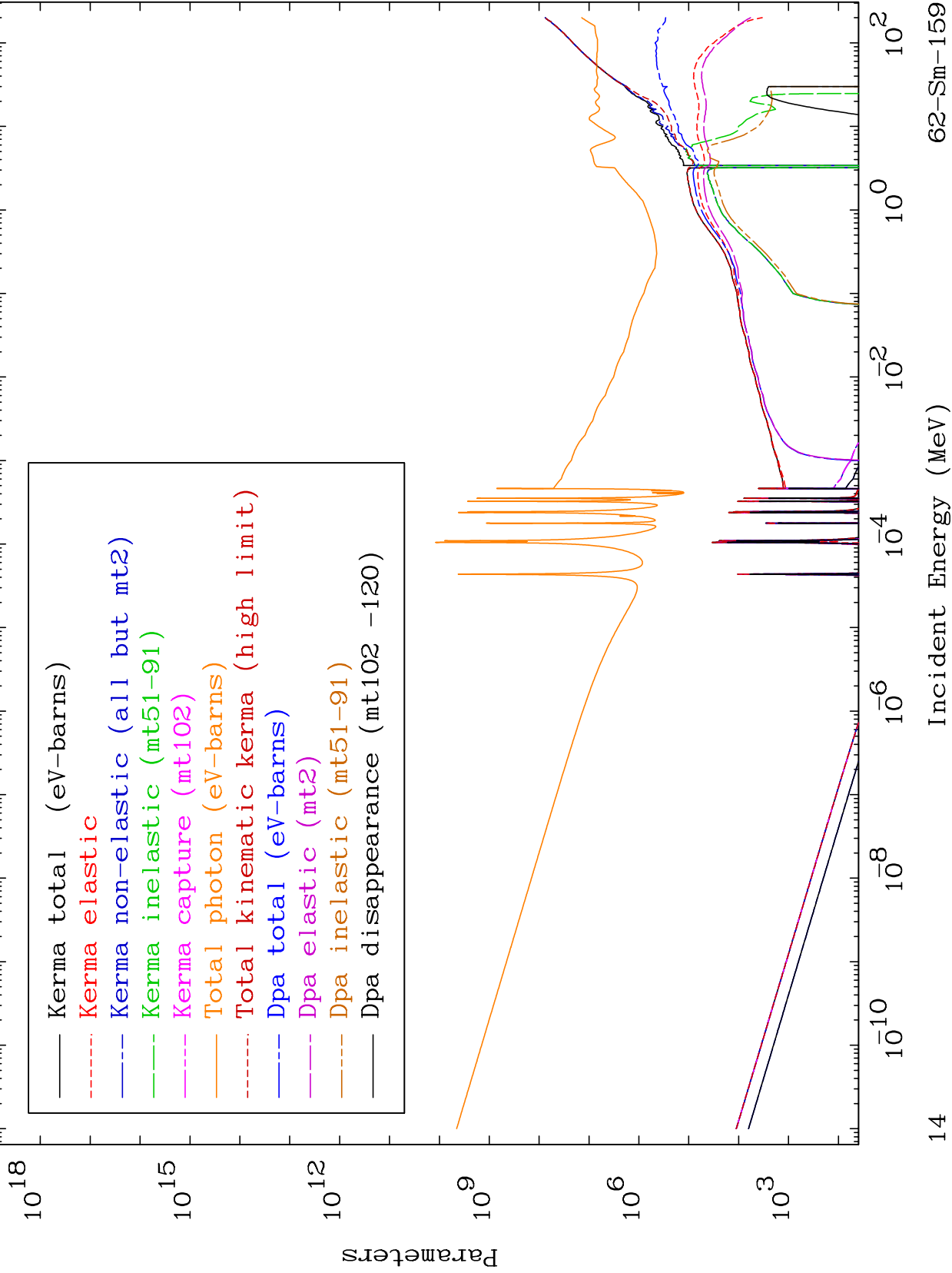
62-Sm-159

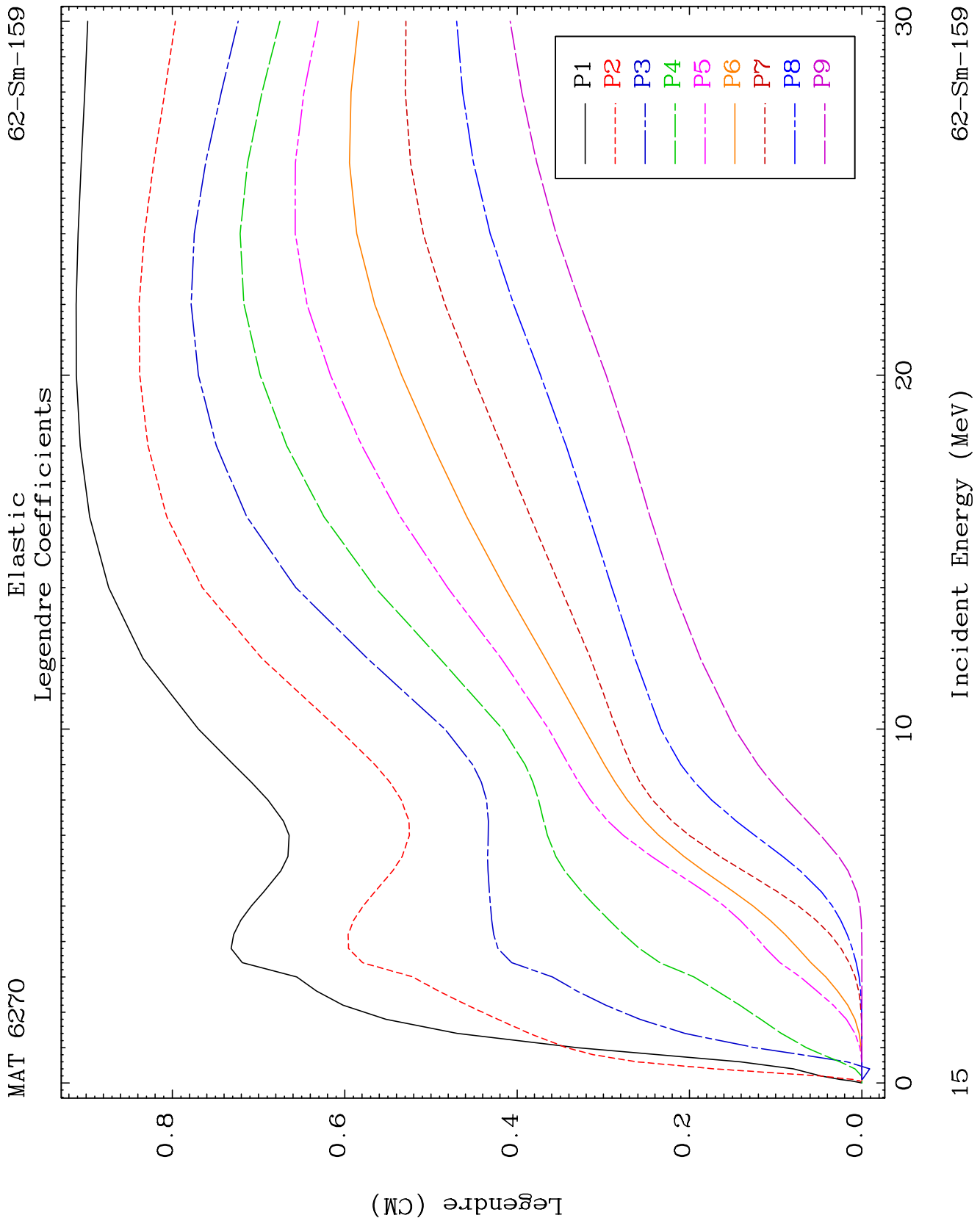
MAT 6270

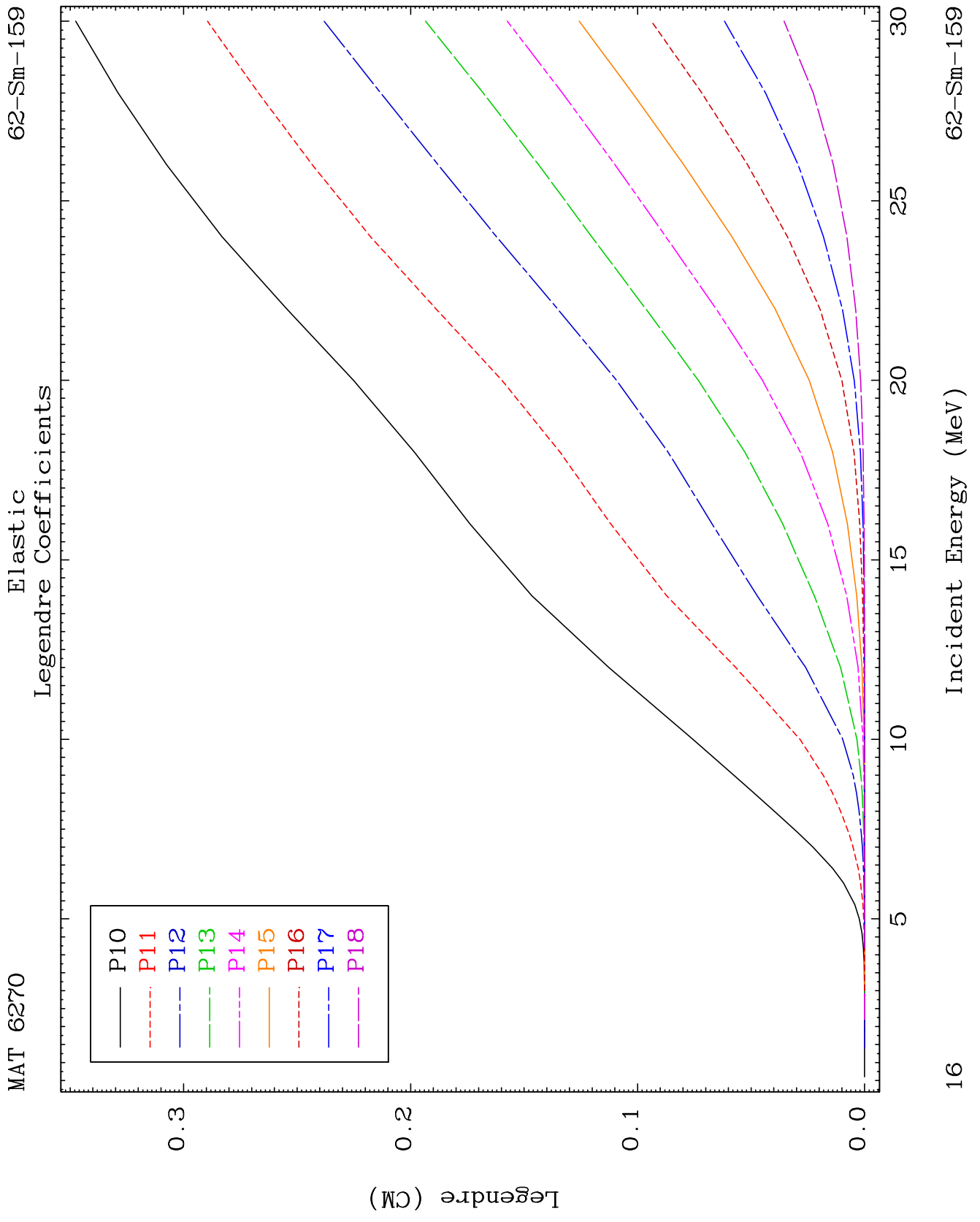
(n, α) Levels
293 Kelvin Cross Sections

62-Sm-159





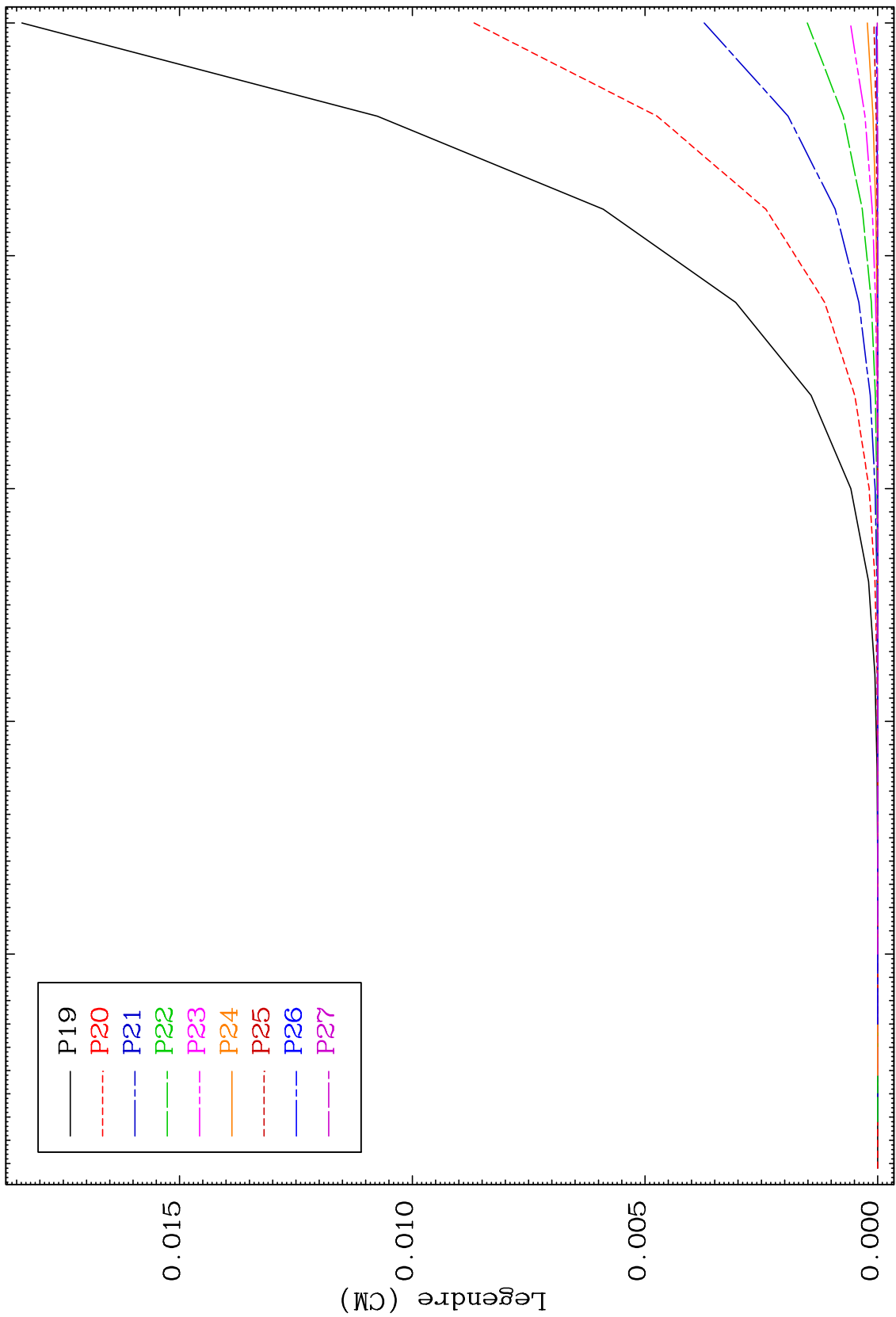




MAT 6270

Elastic Legendre Coefficients

62-Sm-159



17

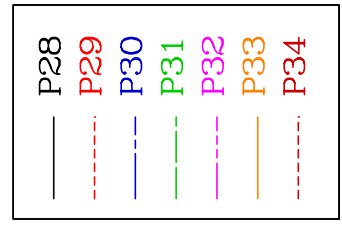
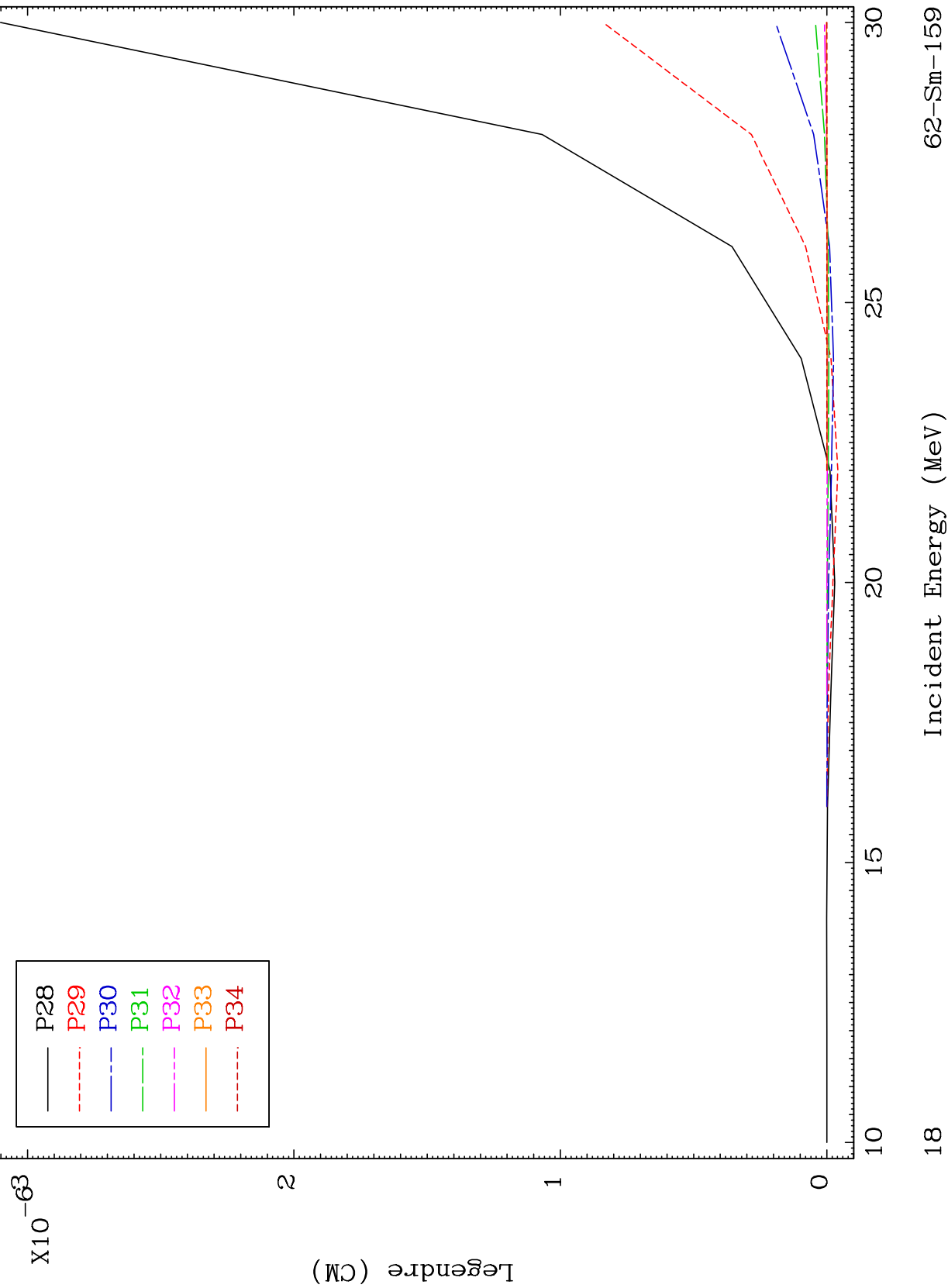
Incident Energy (MeV)

62-Sm-159

MAT 6270

Elastic Legendre Coefficients

62-Sm-159



10^{-63}

Legendre (CM)

10

15

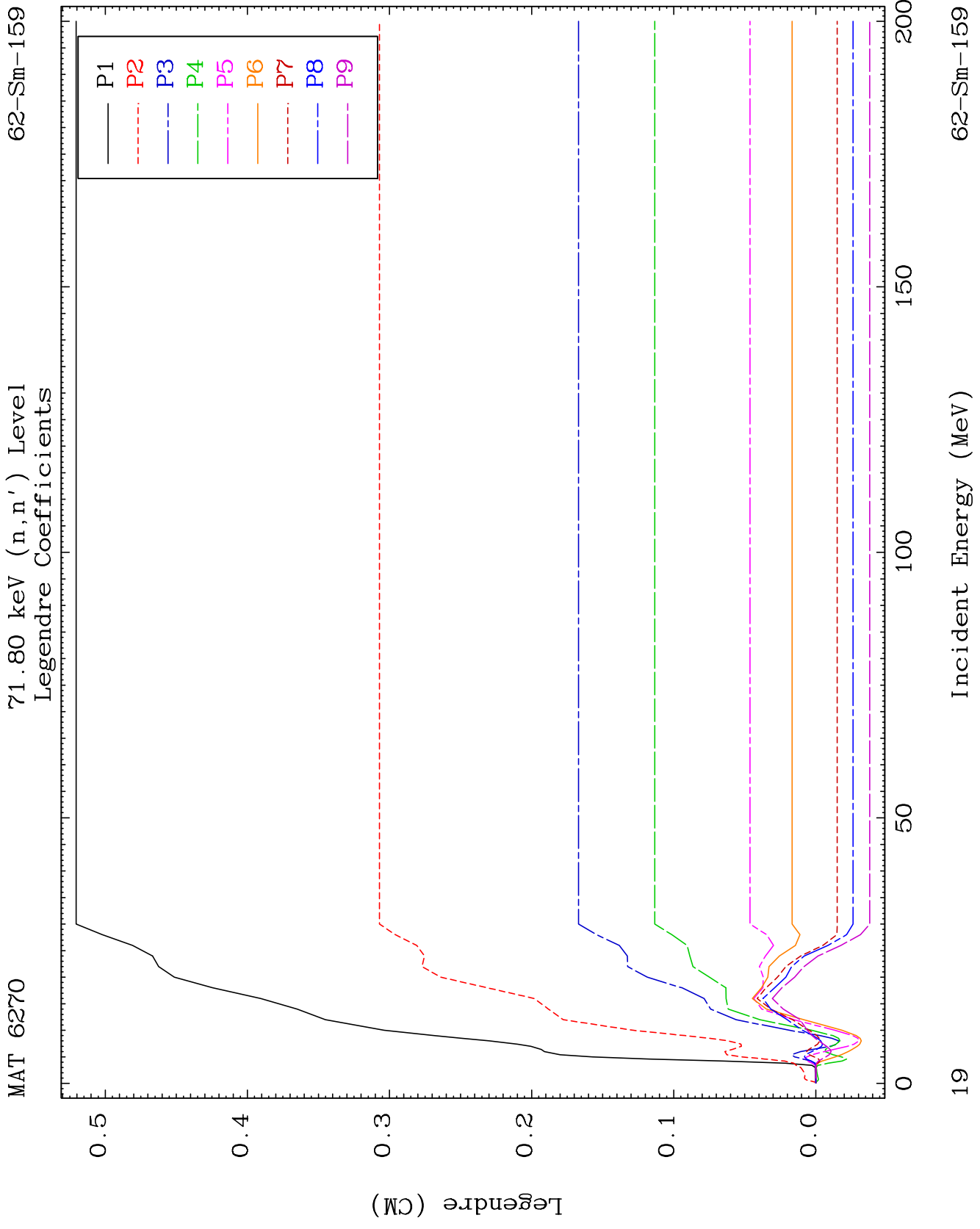
20

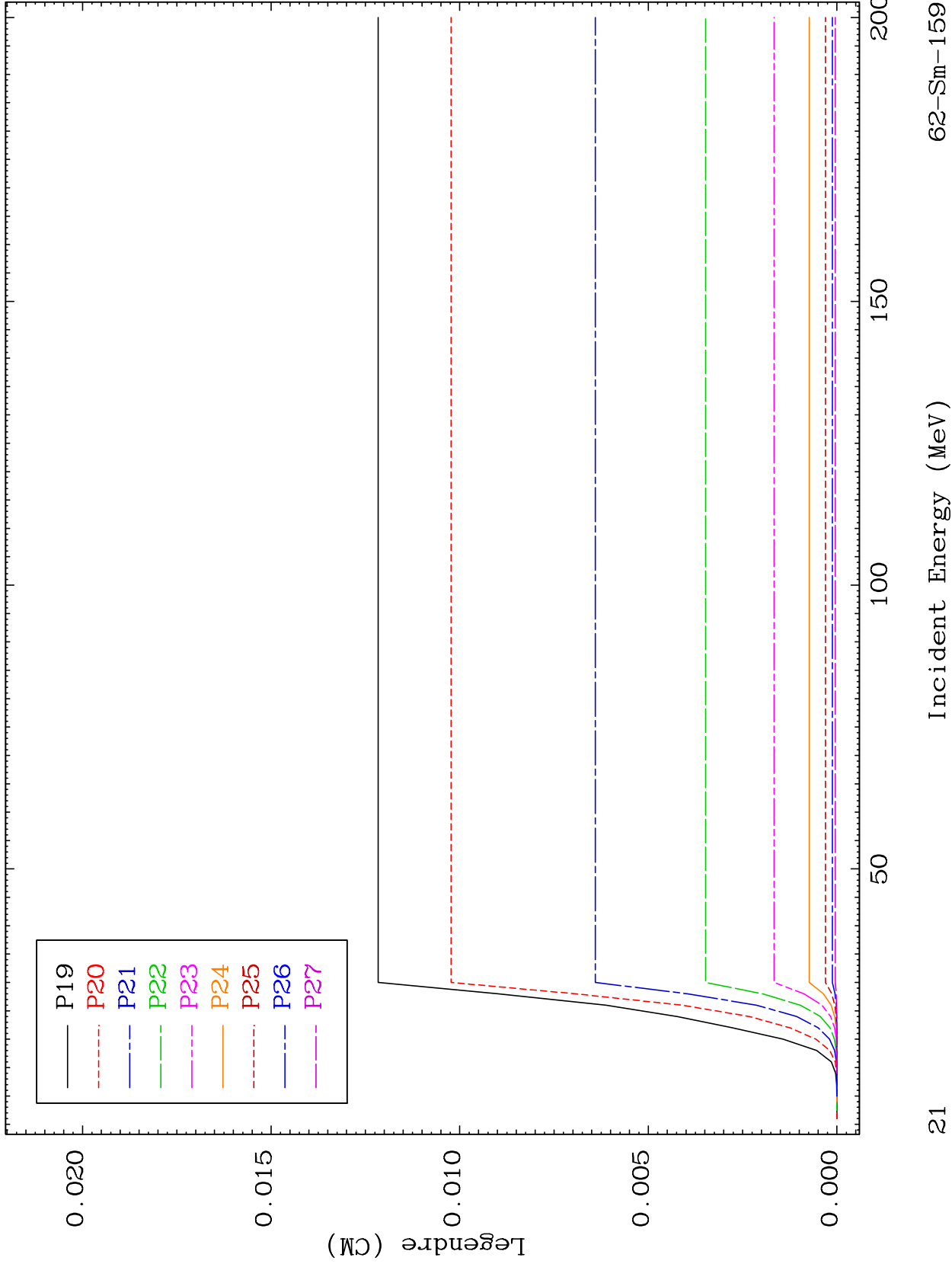
25

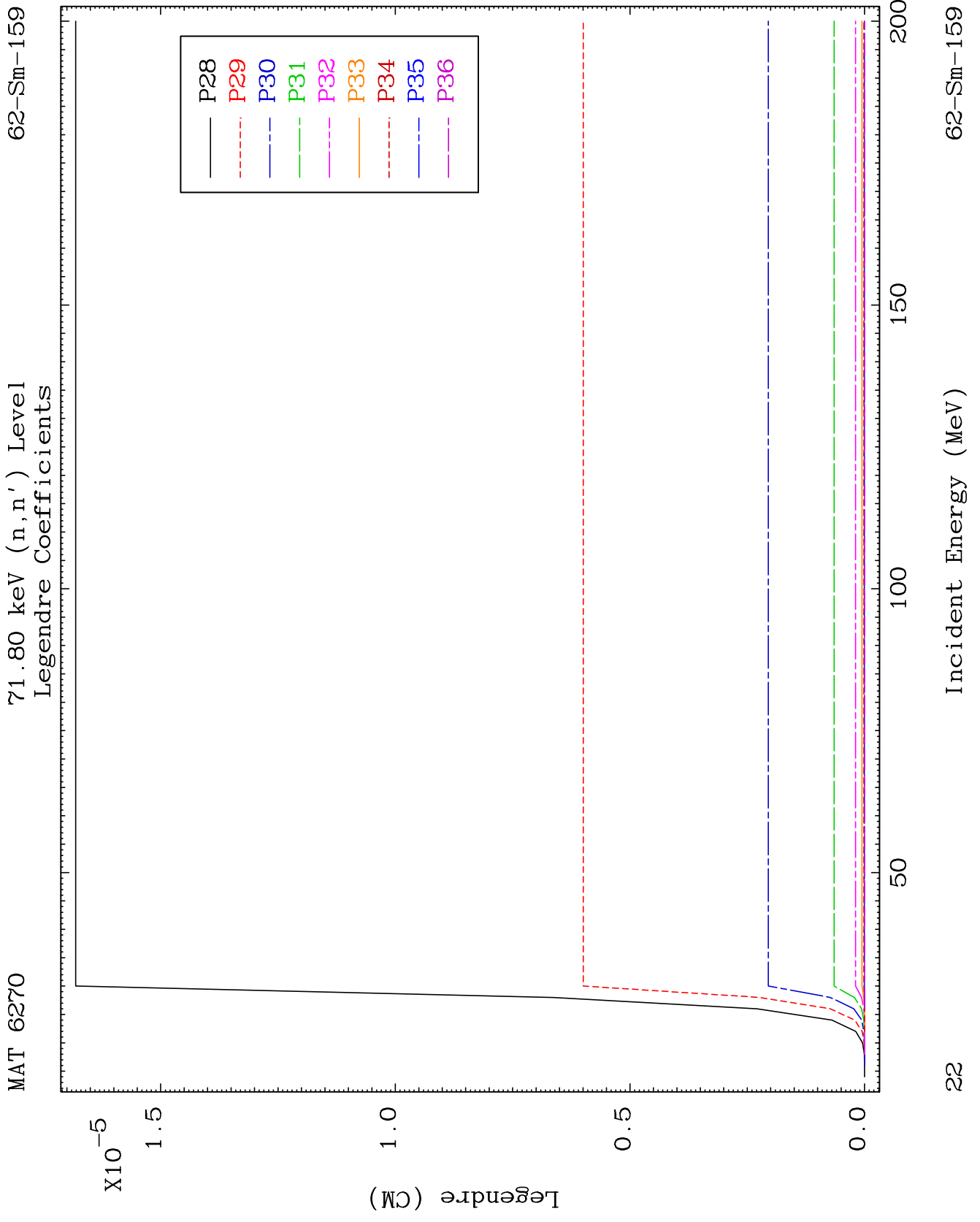
30

Incident Energy (MeV)

62-Sm-159



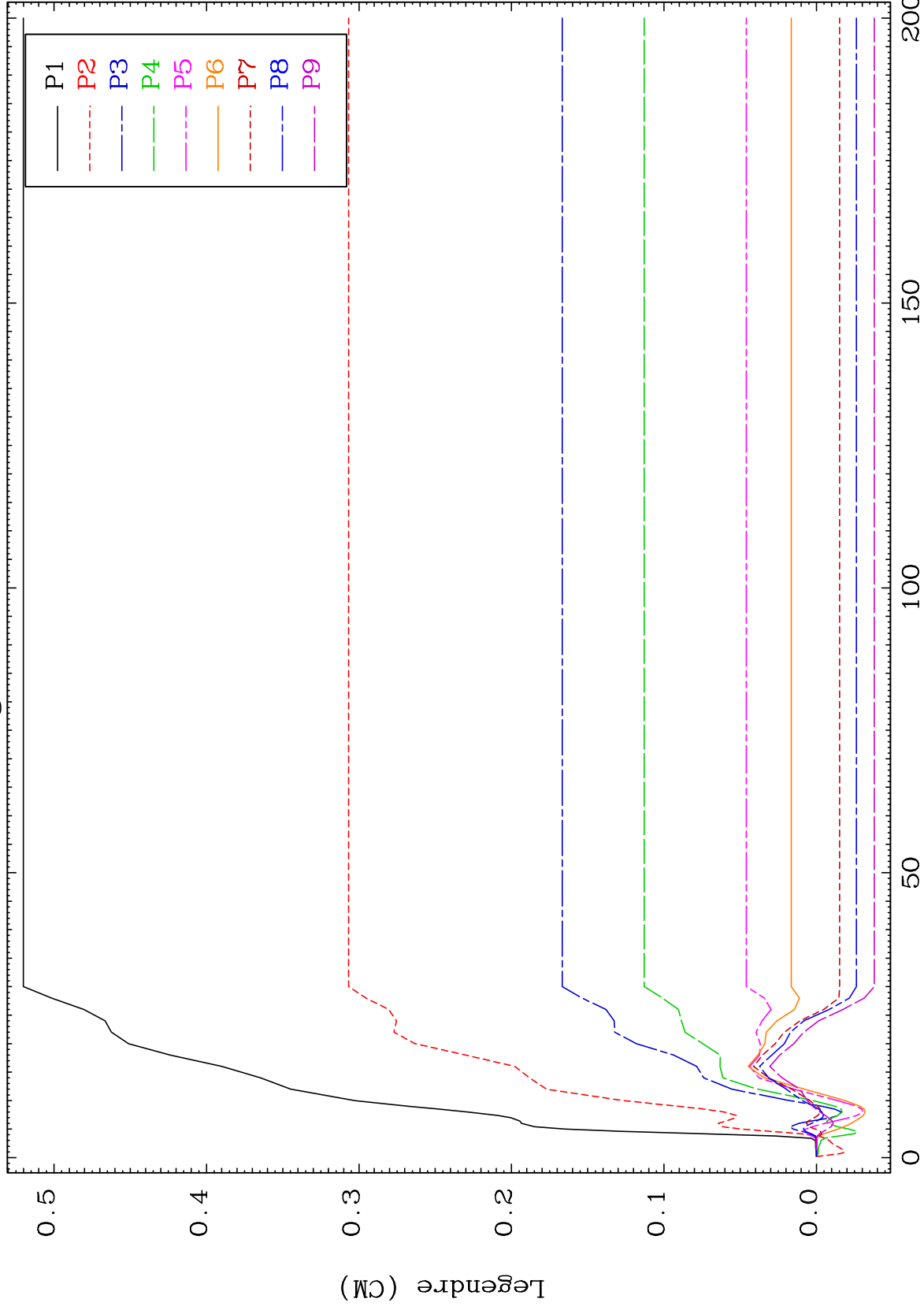




MAT 6270

163.7 keV (n, n') Level
Legendre Coefficients

62-Sm-159



23

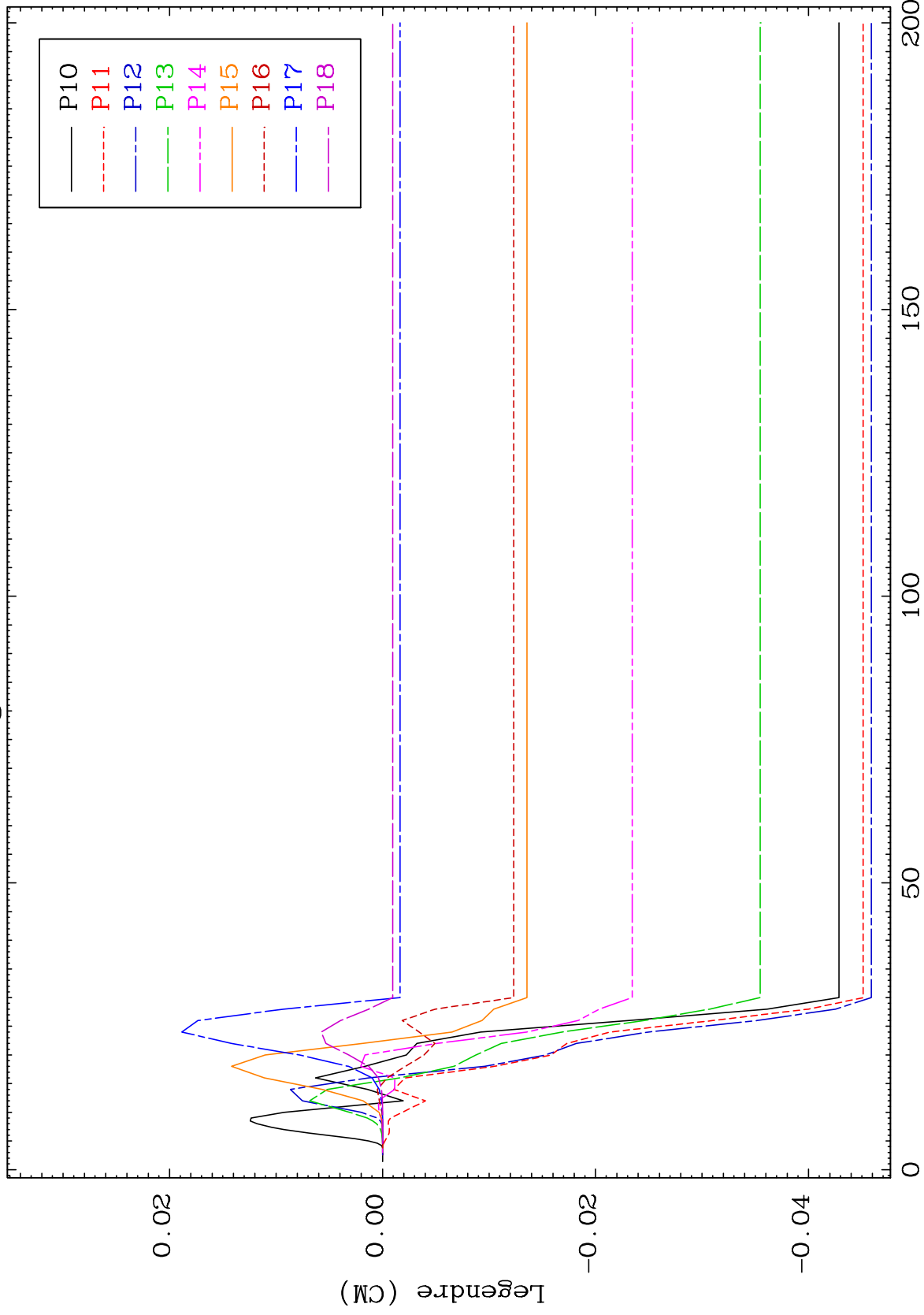
Incident Energy (MeV)

62-Sm-159

MAT 6270

163.7 keV (n,n') Level
Legendre Coefficients

62-Sm-159



24

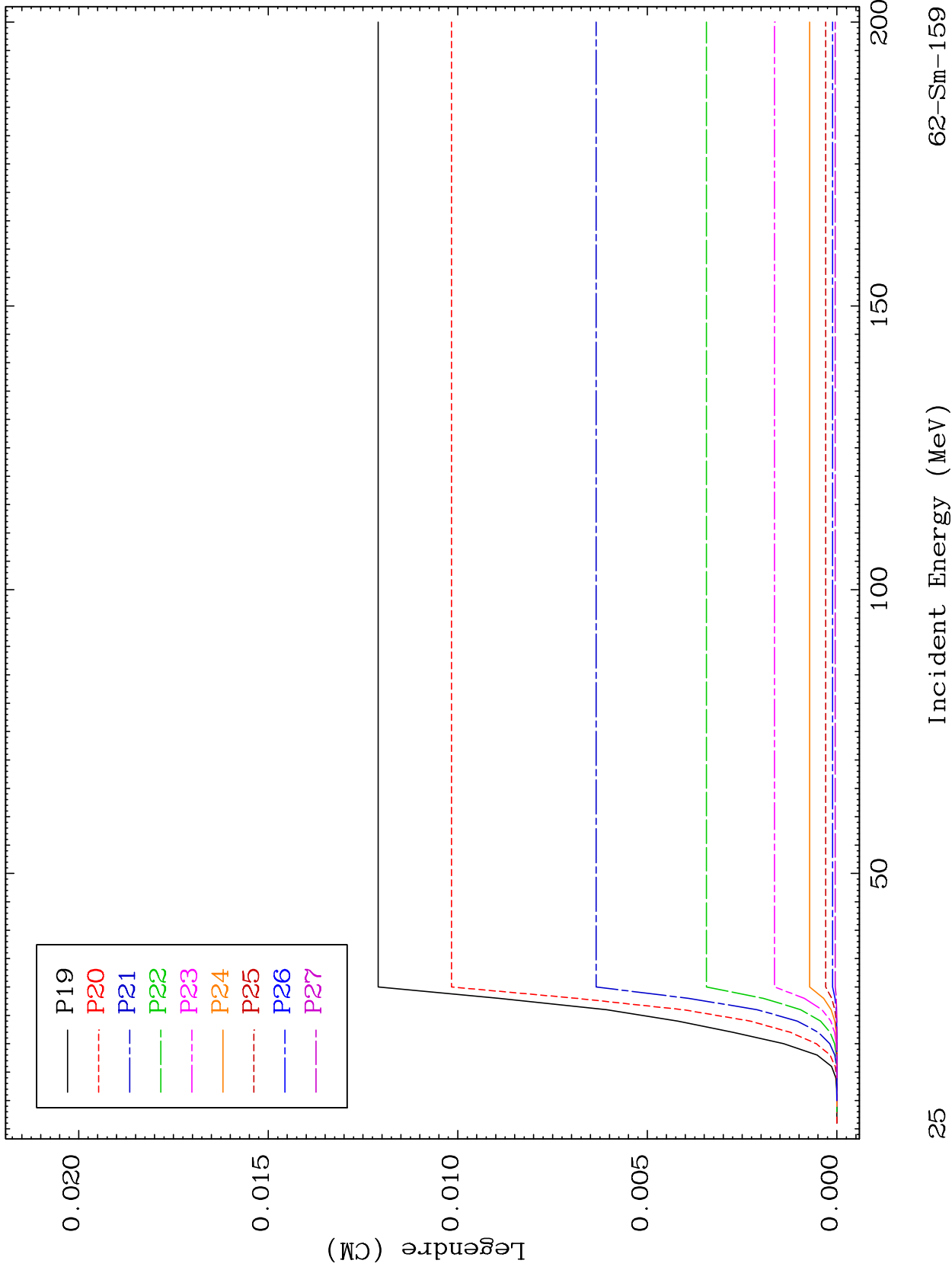
Incident Energy (MeV)

62-Sm-159

MAT 6270

163.7 keV (n, n') Level
Legendre Coefficients

62-Sm-159



25

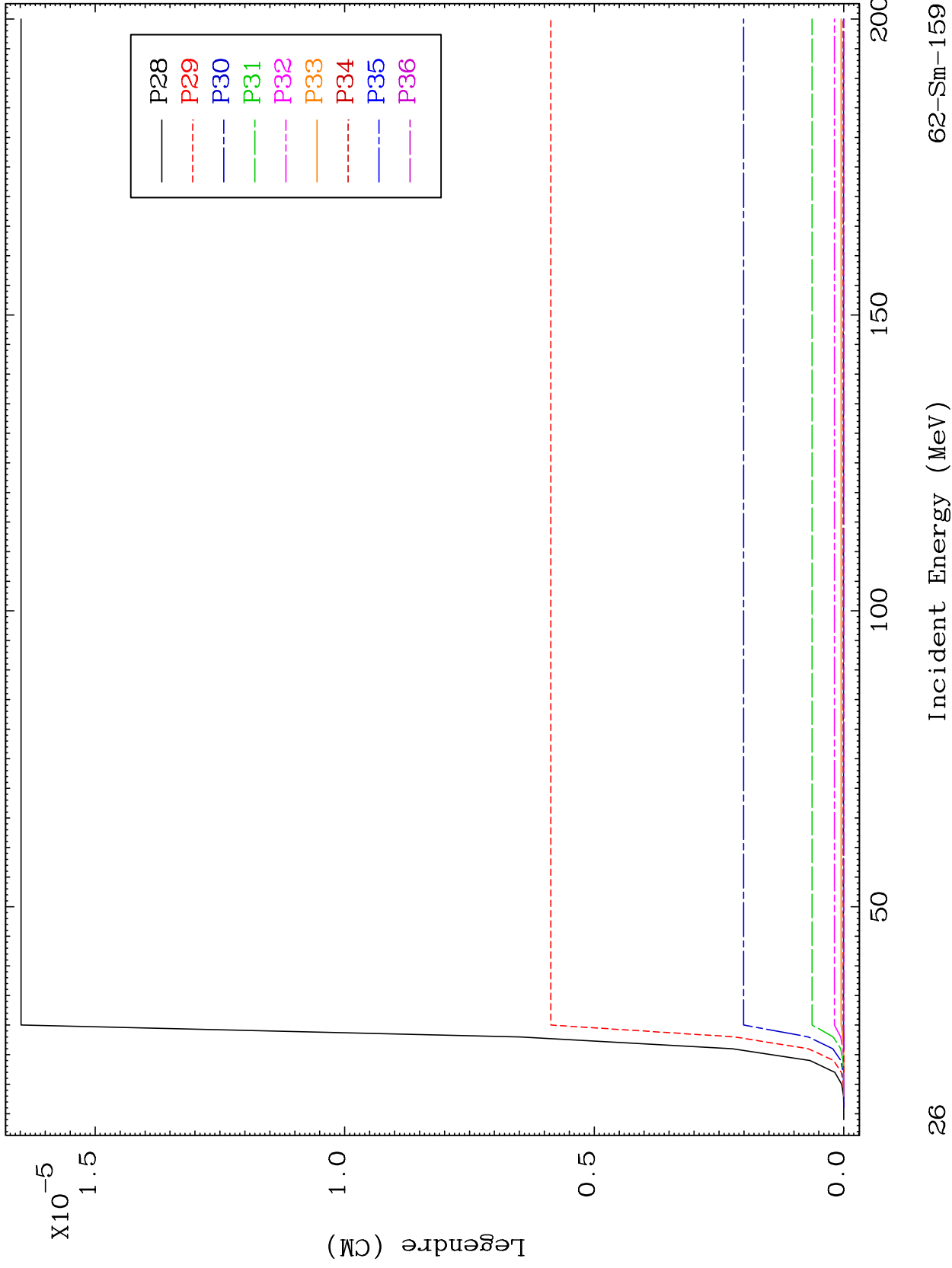
Incident Energy (MeV)

62-Sm-159

MAT 6270

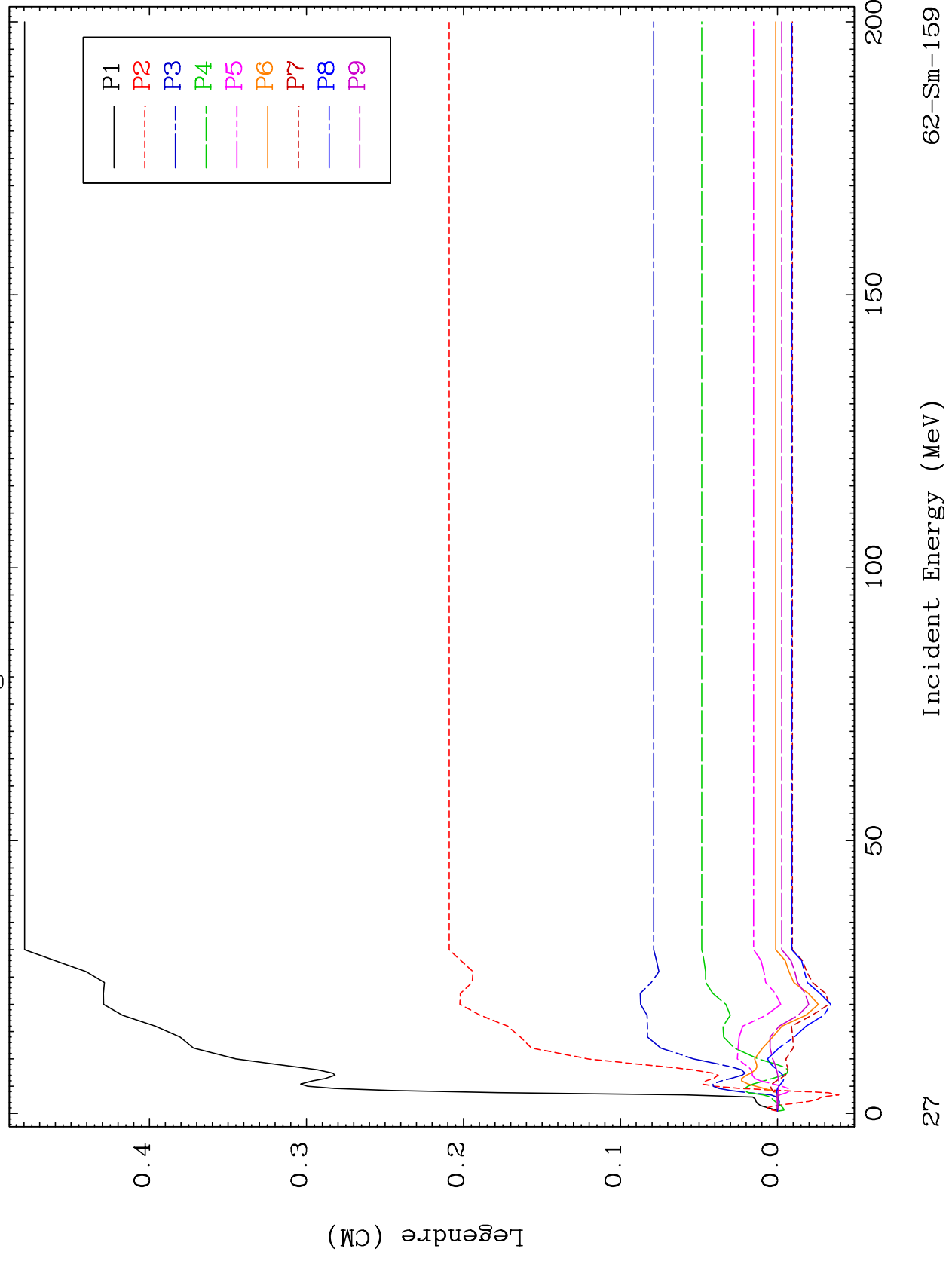
163.7 keV (n,n') Level
Legendre Coefficients

62-Sm-159



26

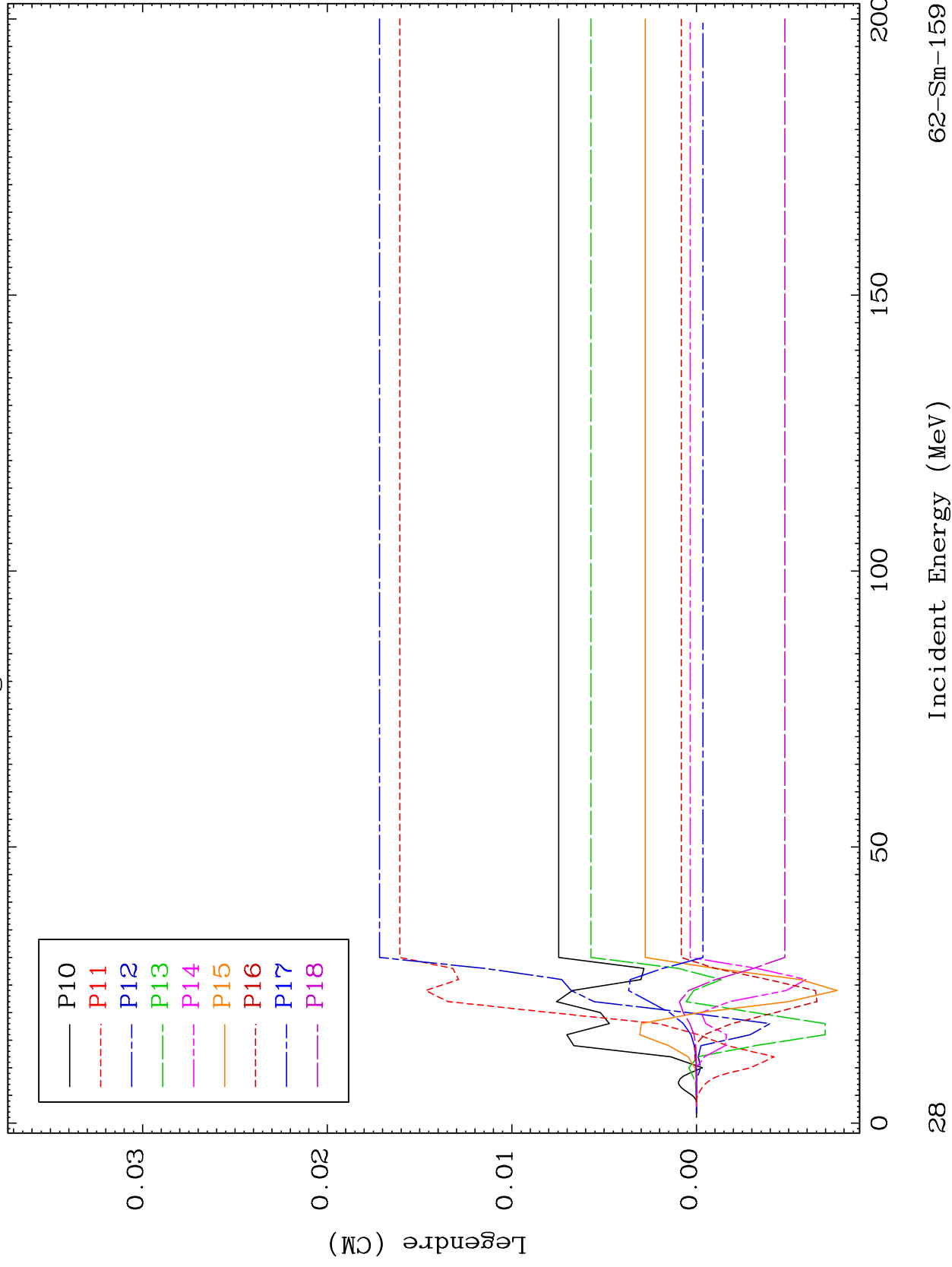
62-Sm-159



MAT 6270

407.1 keV (n,n') Level
Legendre Coefficients

62-Sm-159



28

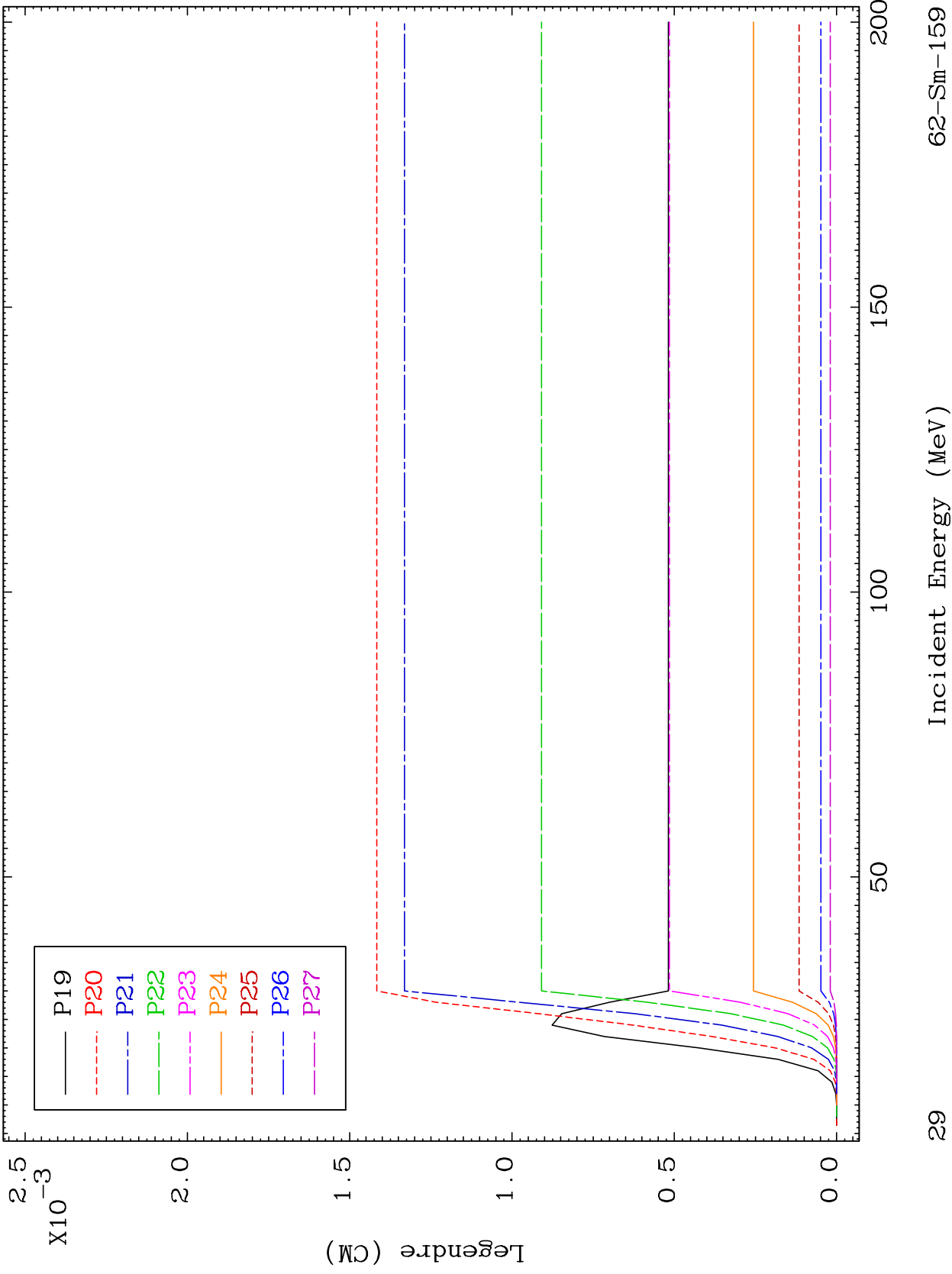
Incident Energy (MeV)

62-Sm-159

MAT 6270

407.1 keV (n,n') Level
Legendre Coefficients

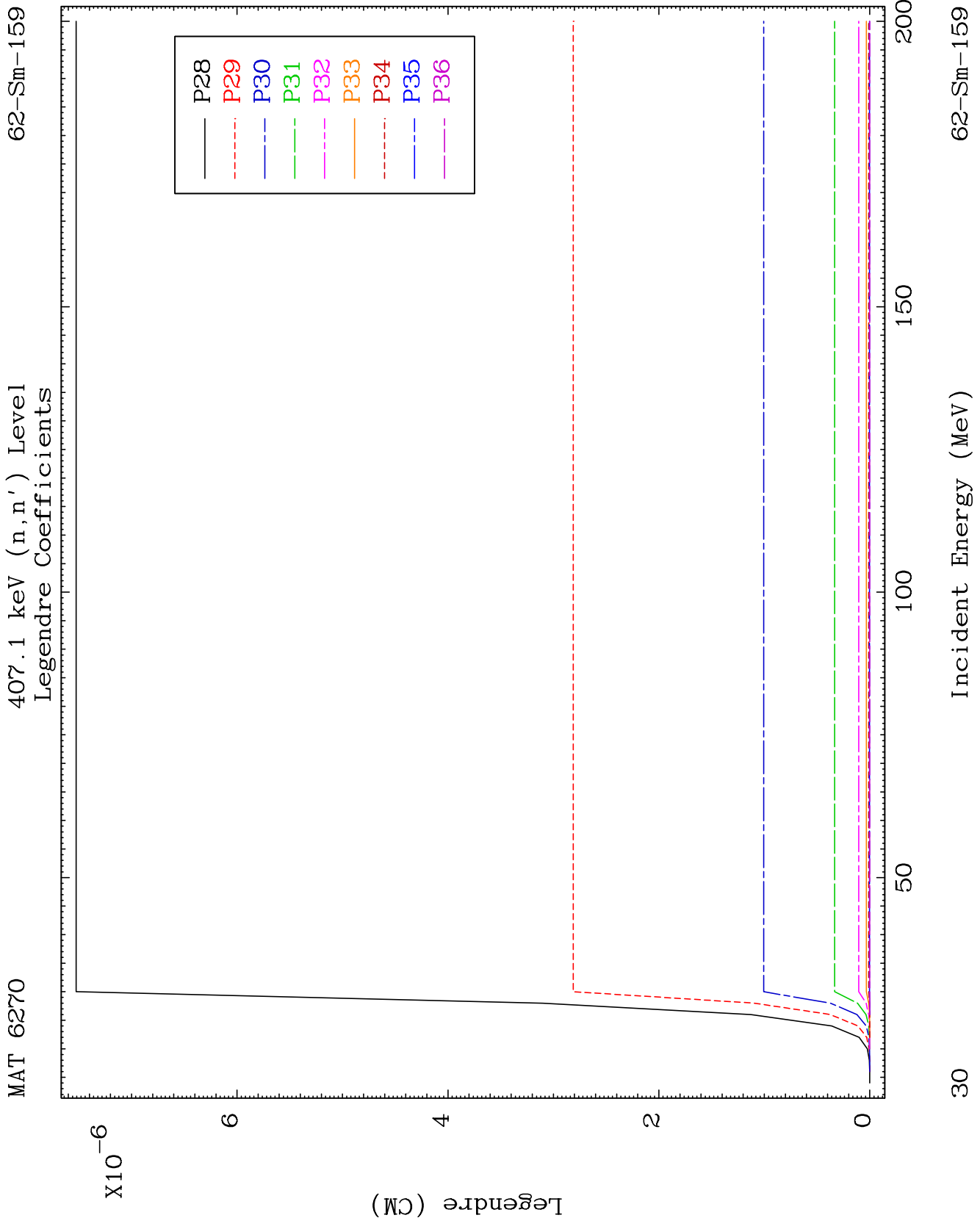
62-Sm-159



29

Incident Energy (MeV)

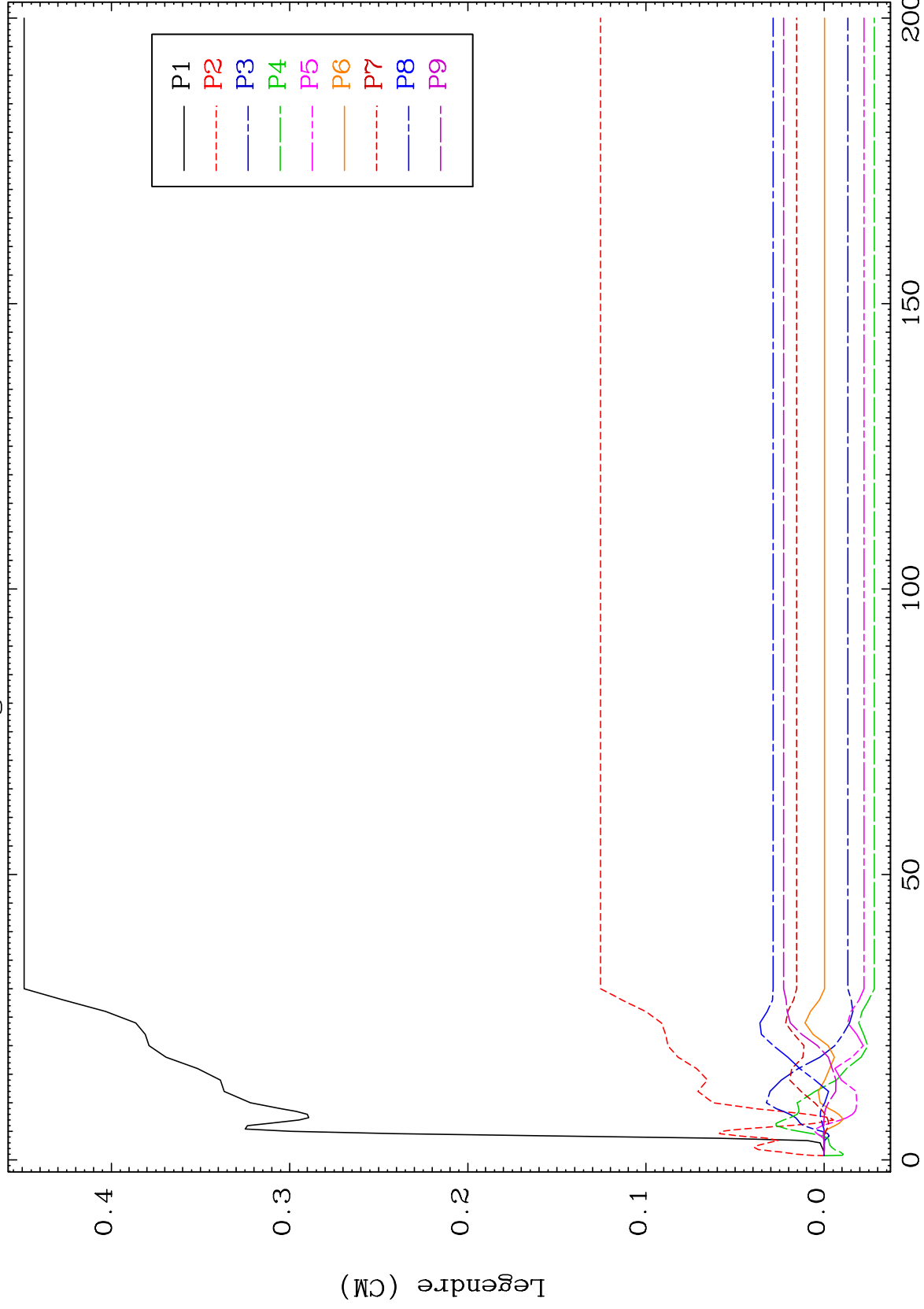
62-Sm-159



MAT 6270

728.1 keV (n,n') Level
Legendre Coefficients

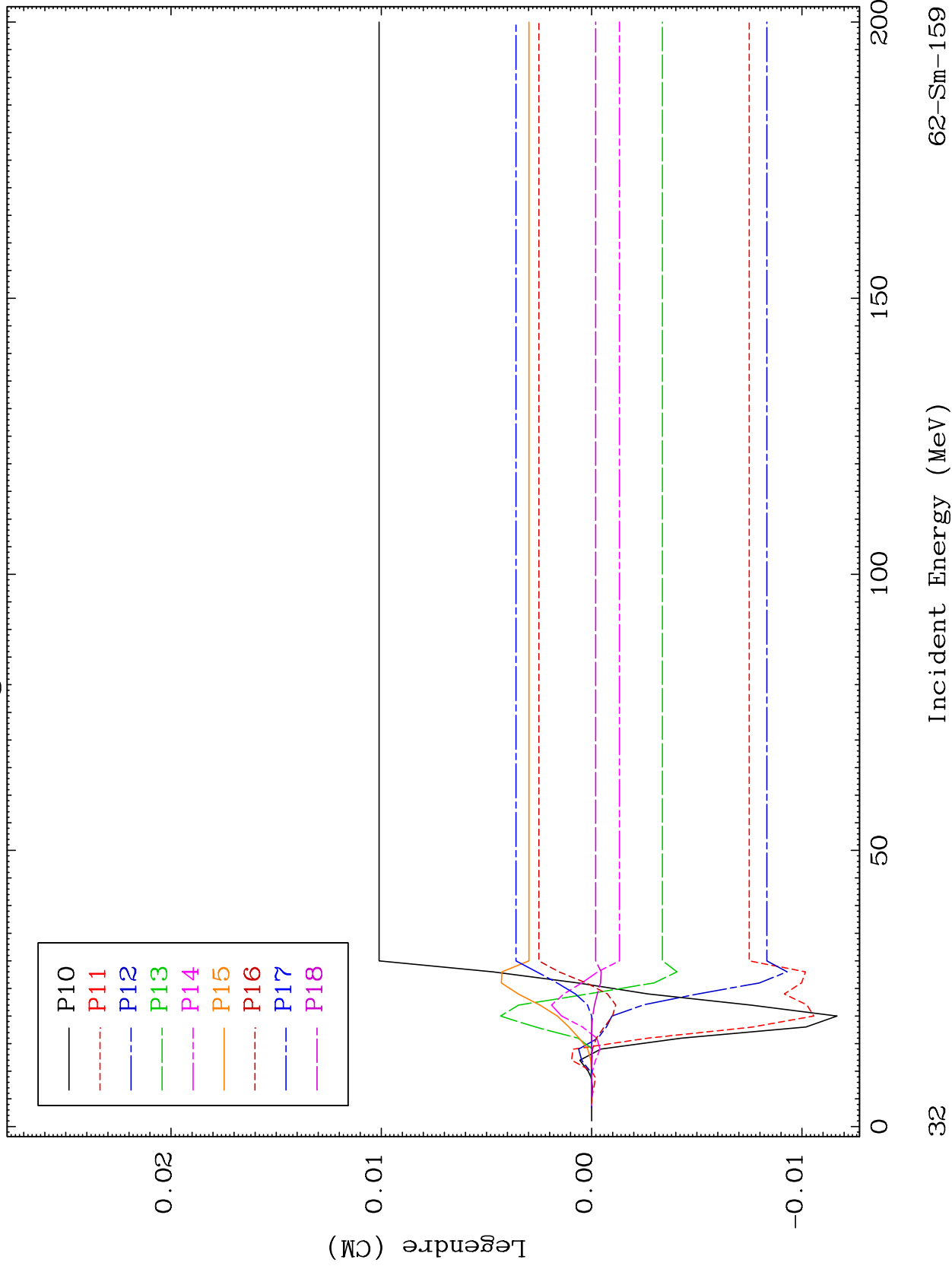
62-Sm-159

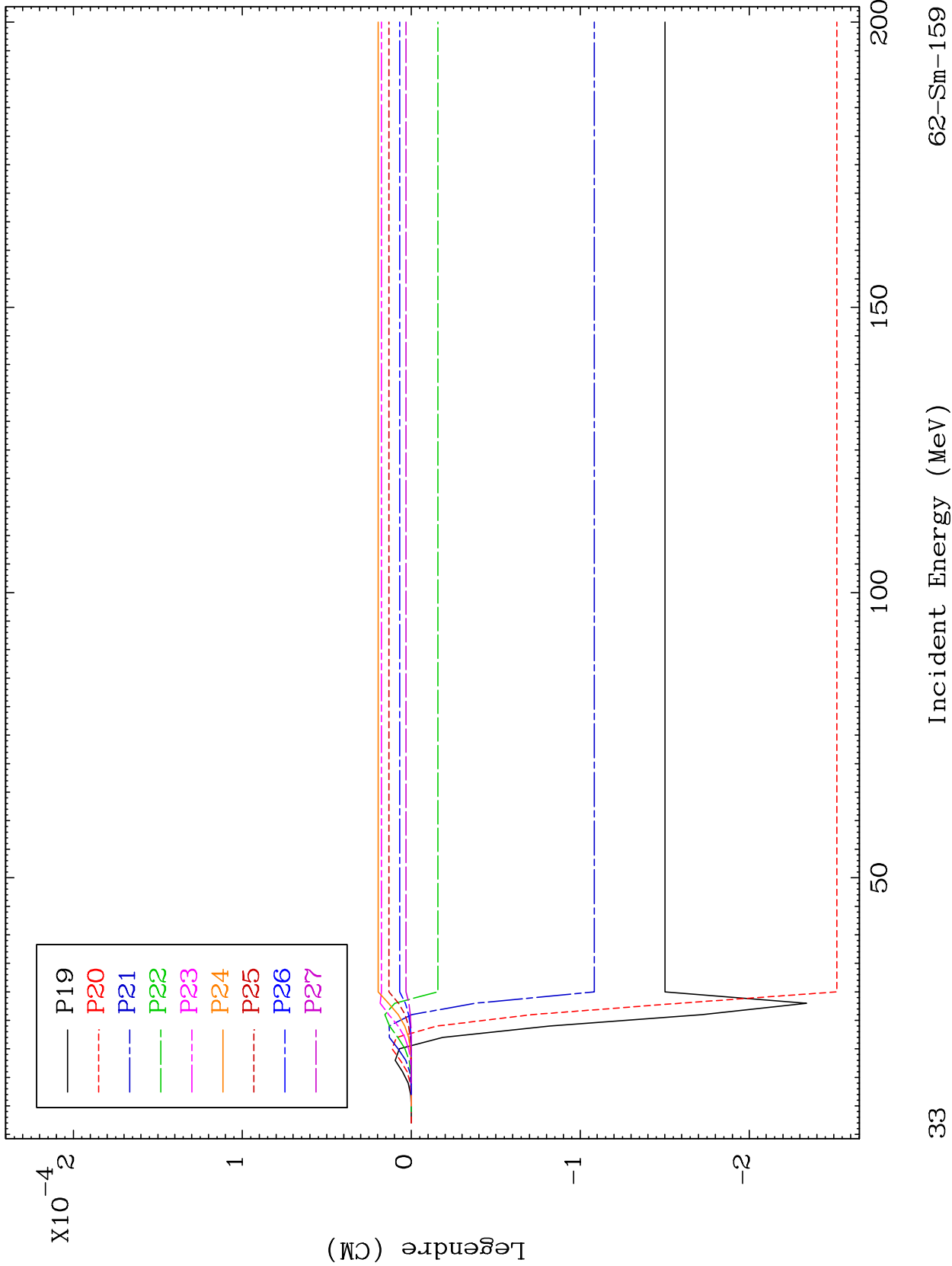


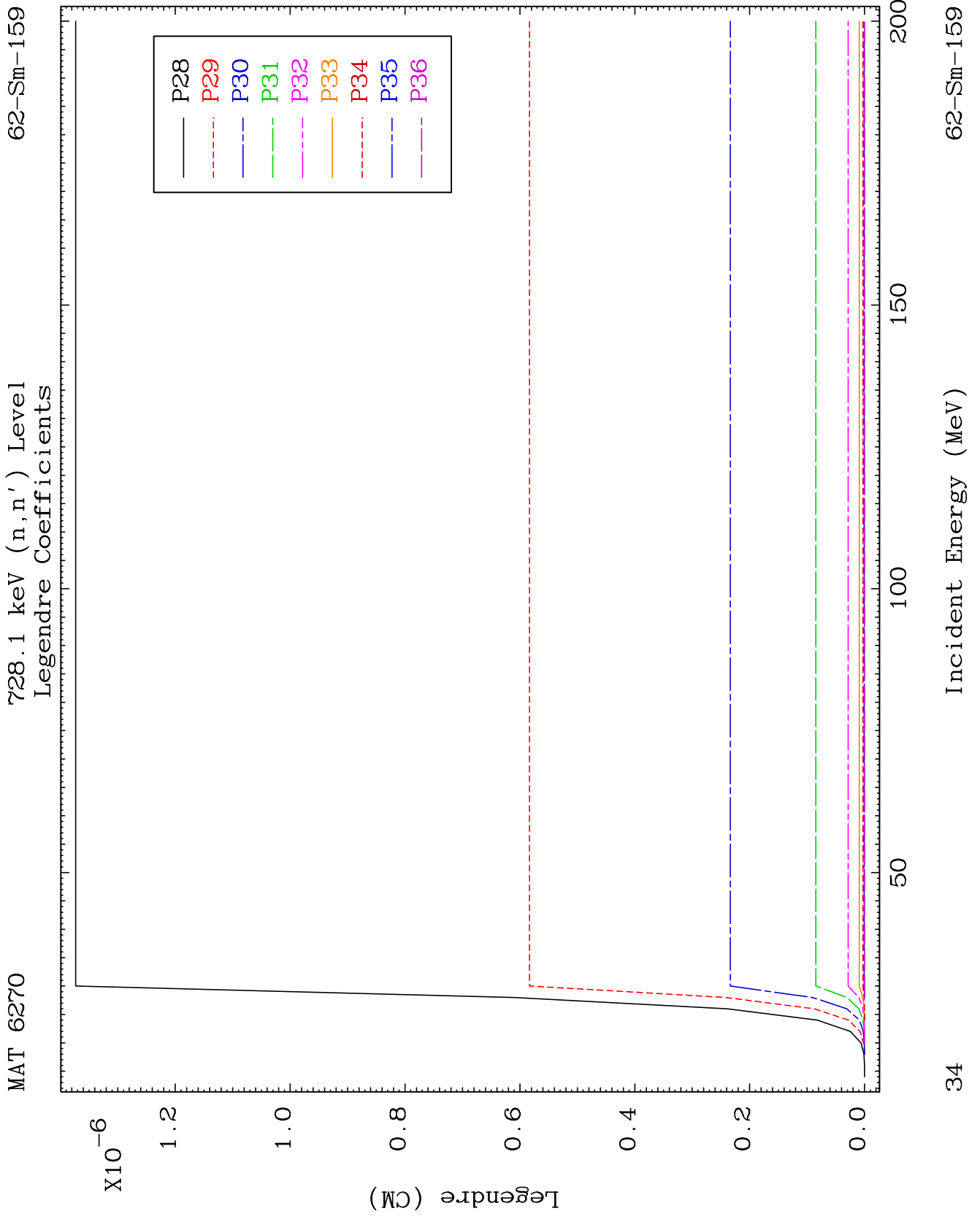
31

Incident Energy (MeV)

62-Sm-159



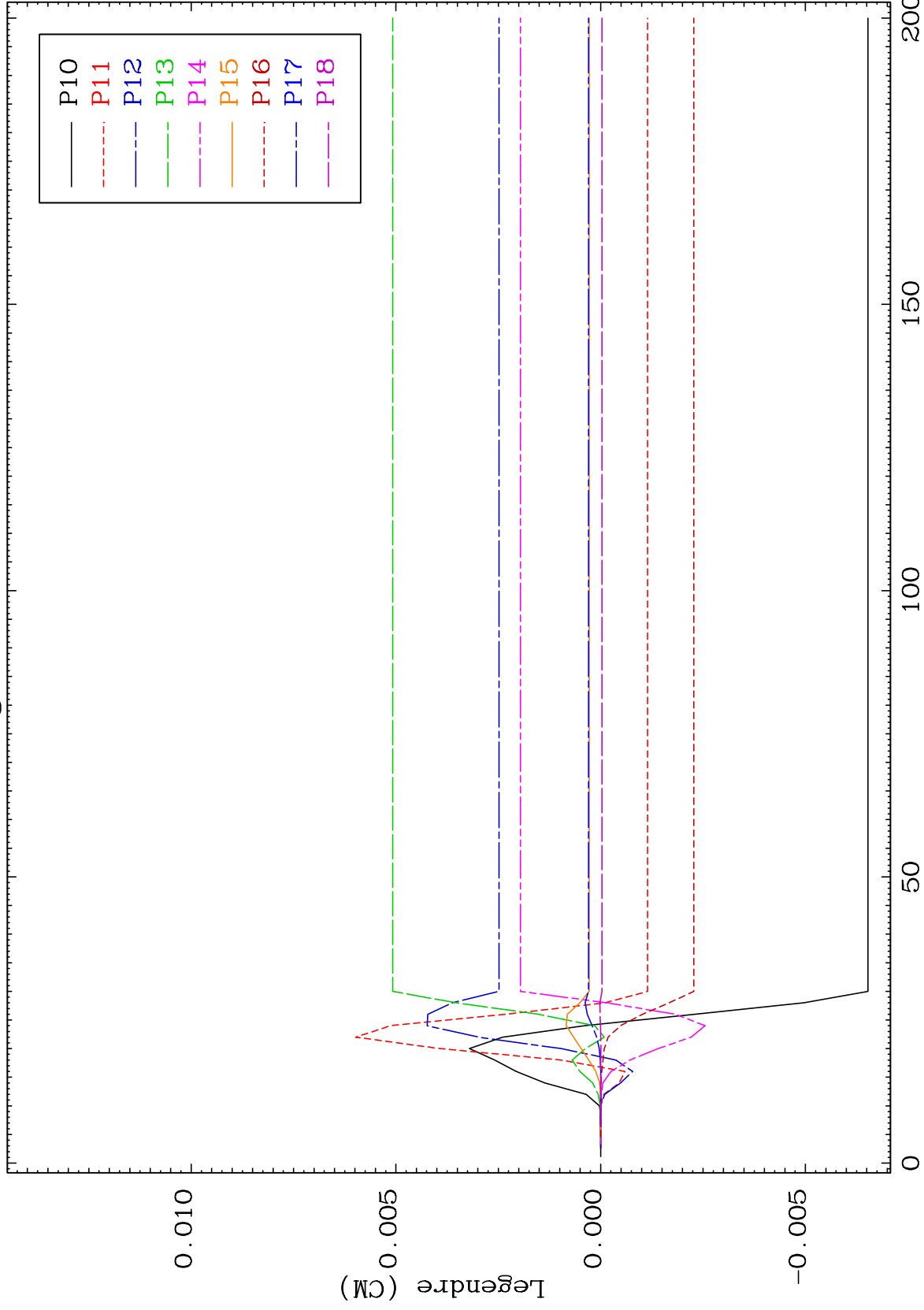




MAT 6270

1.124 MeV (n,n') Level
Legendre Coefficients

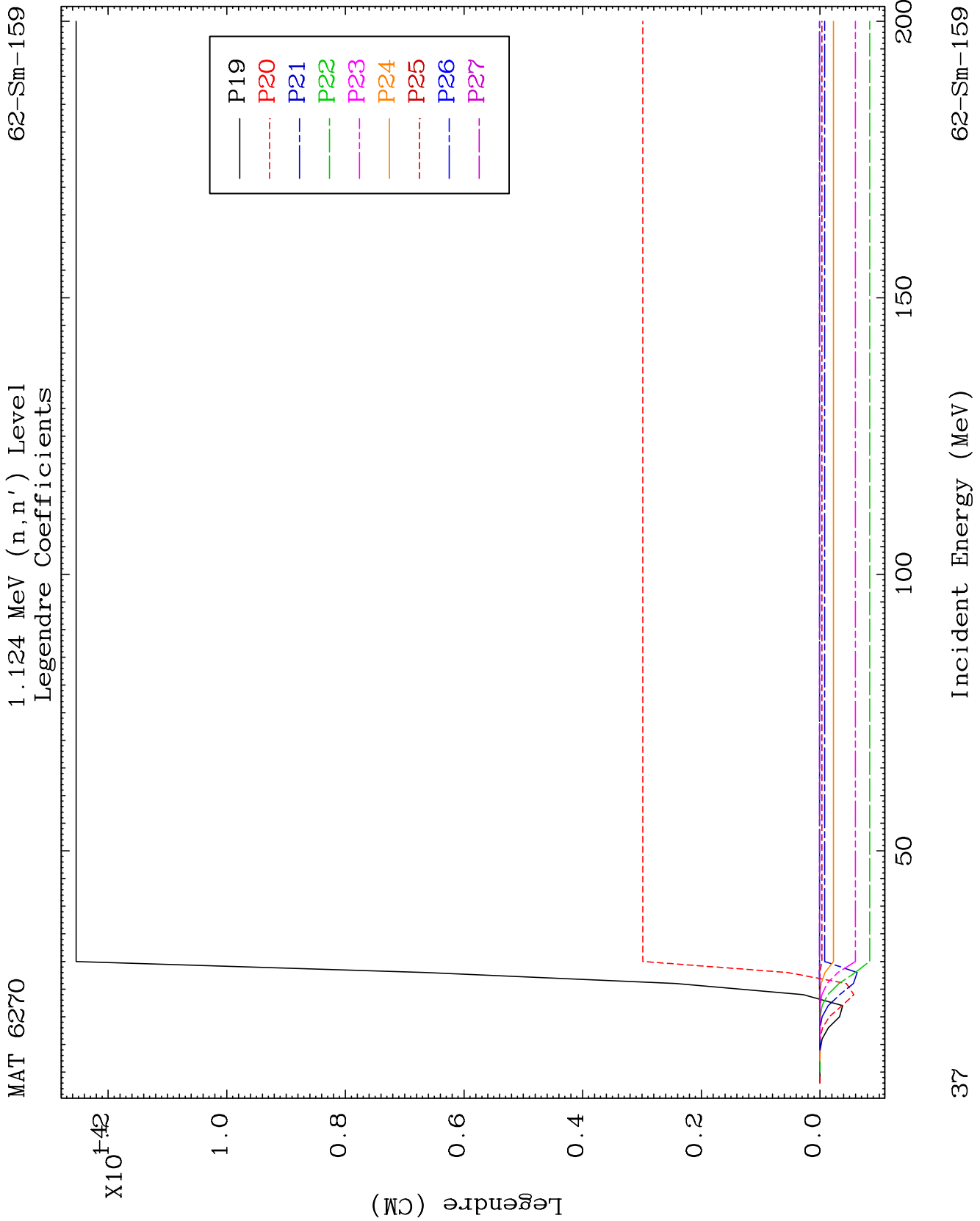
62-Sm-159

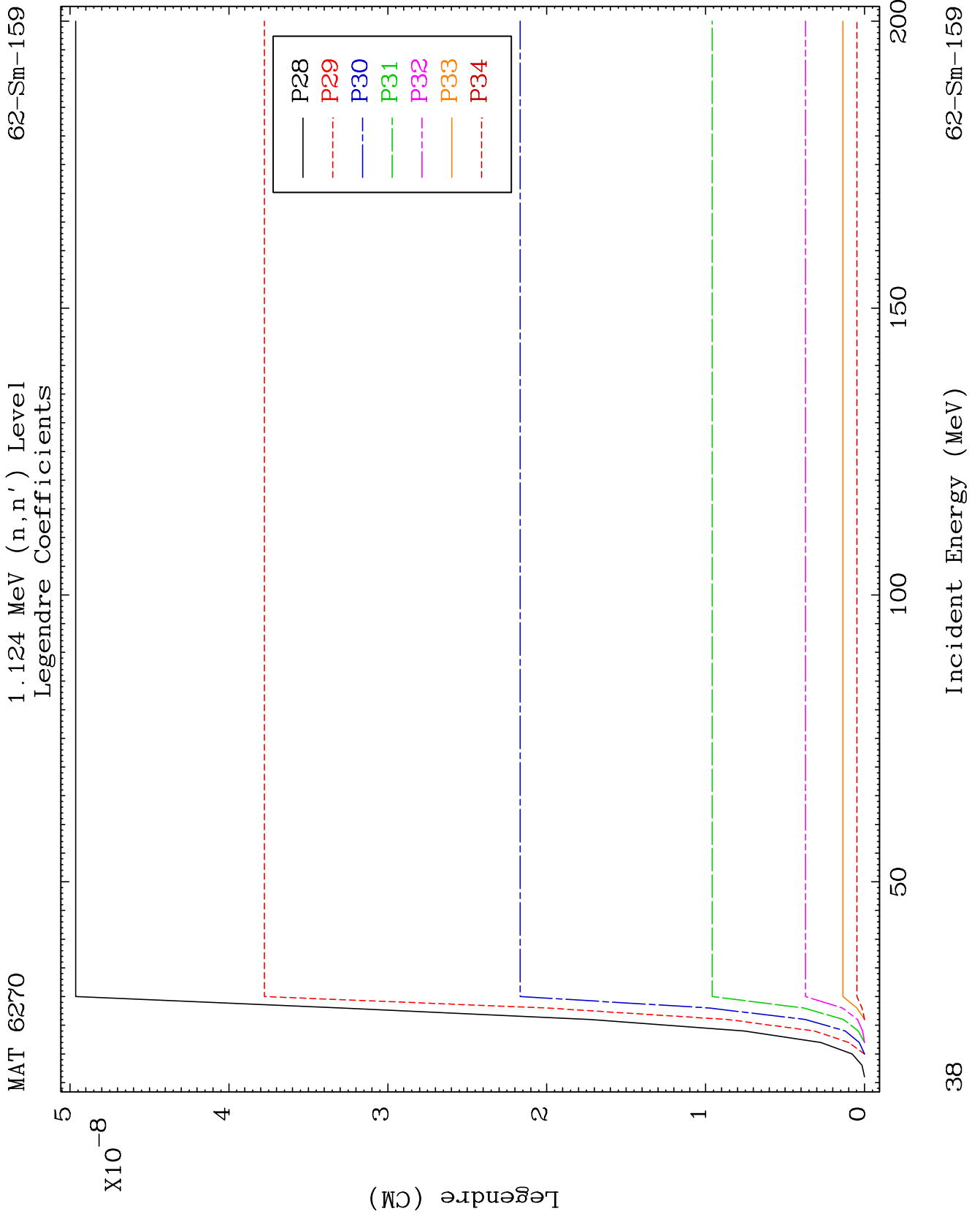


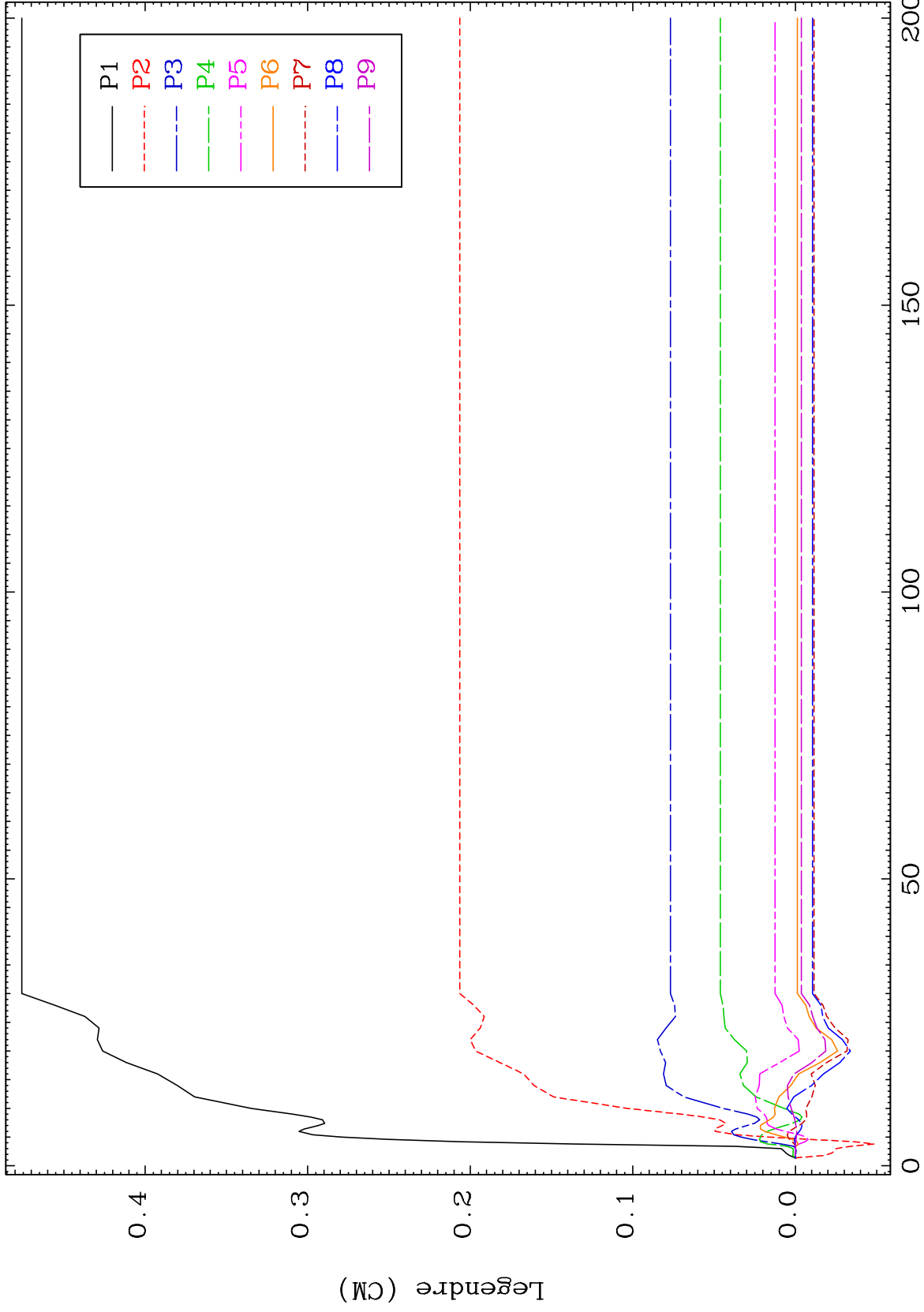
36

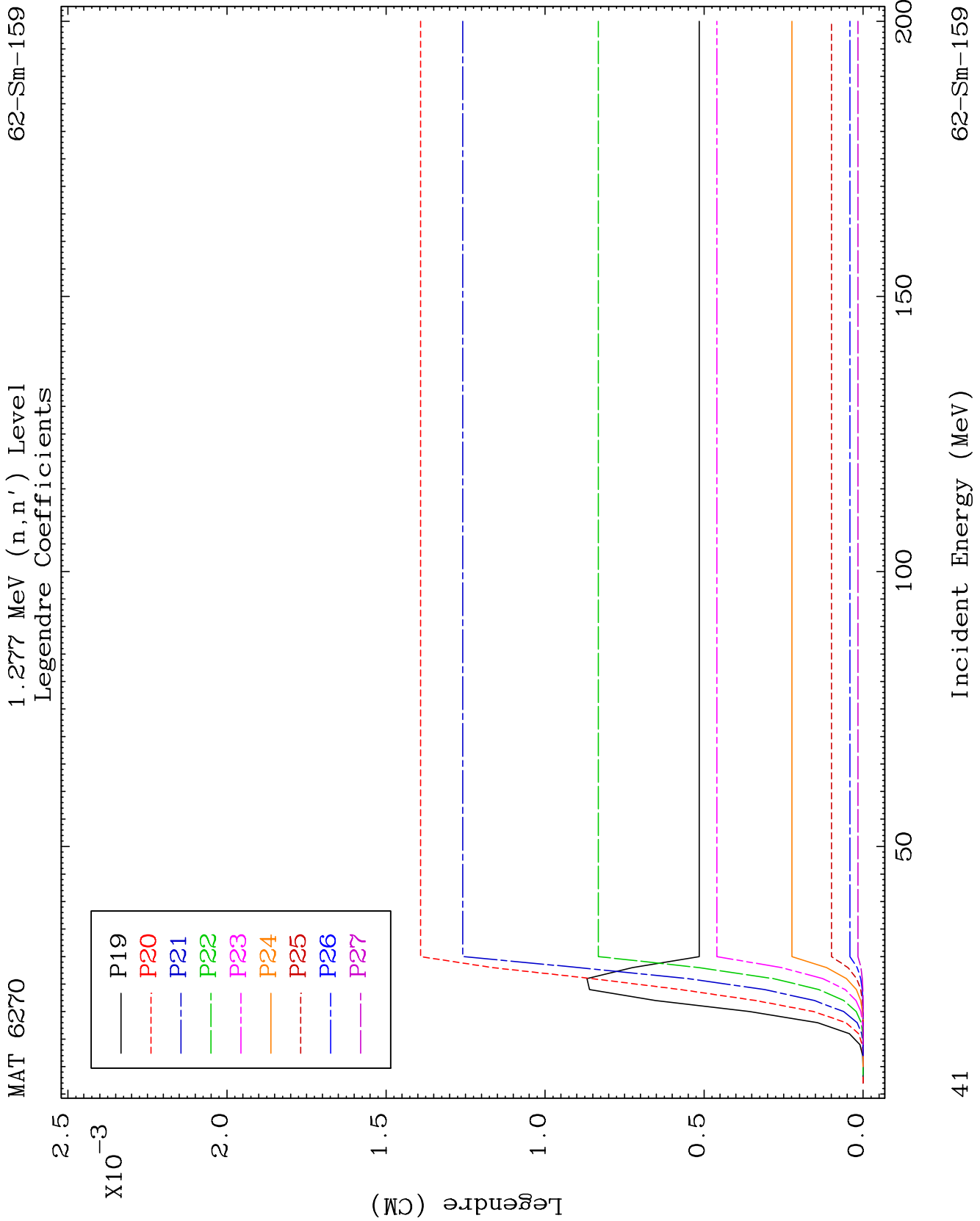
Incident Energy (MeV)

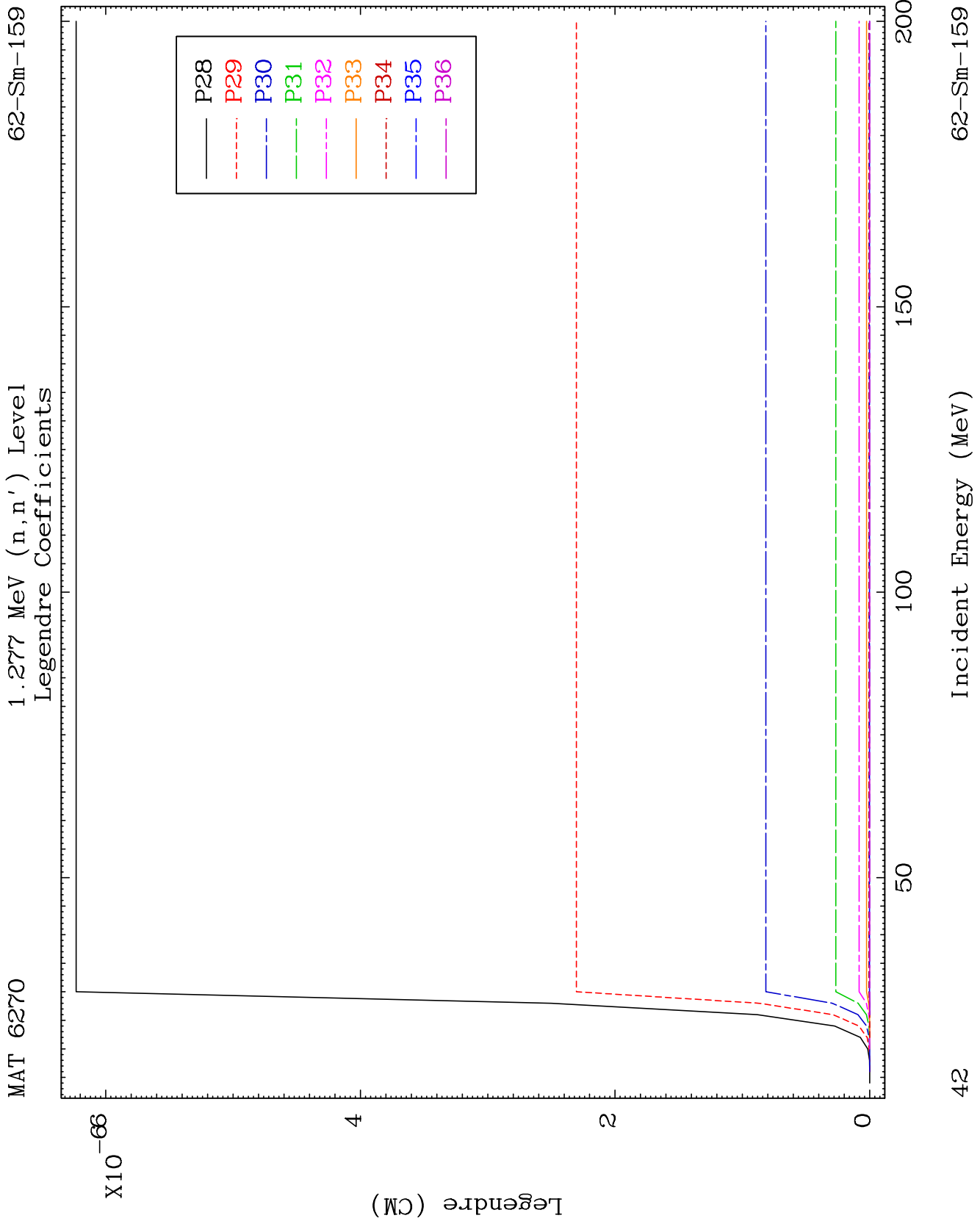
62-Sm-159

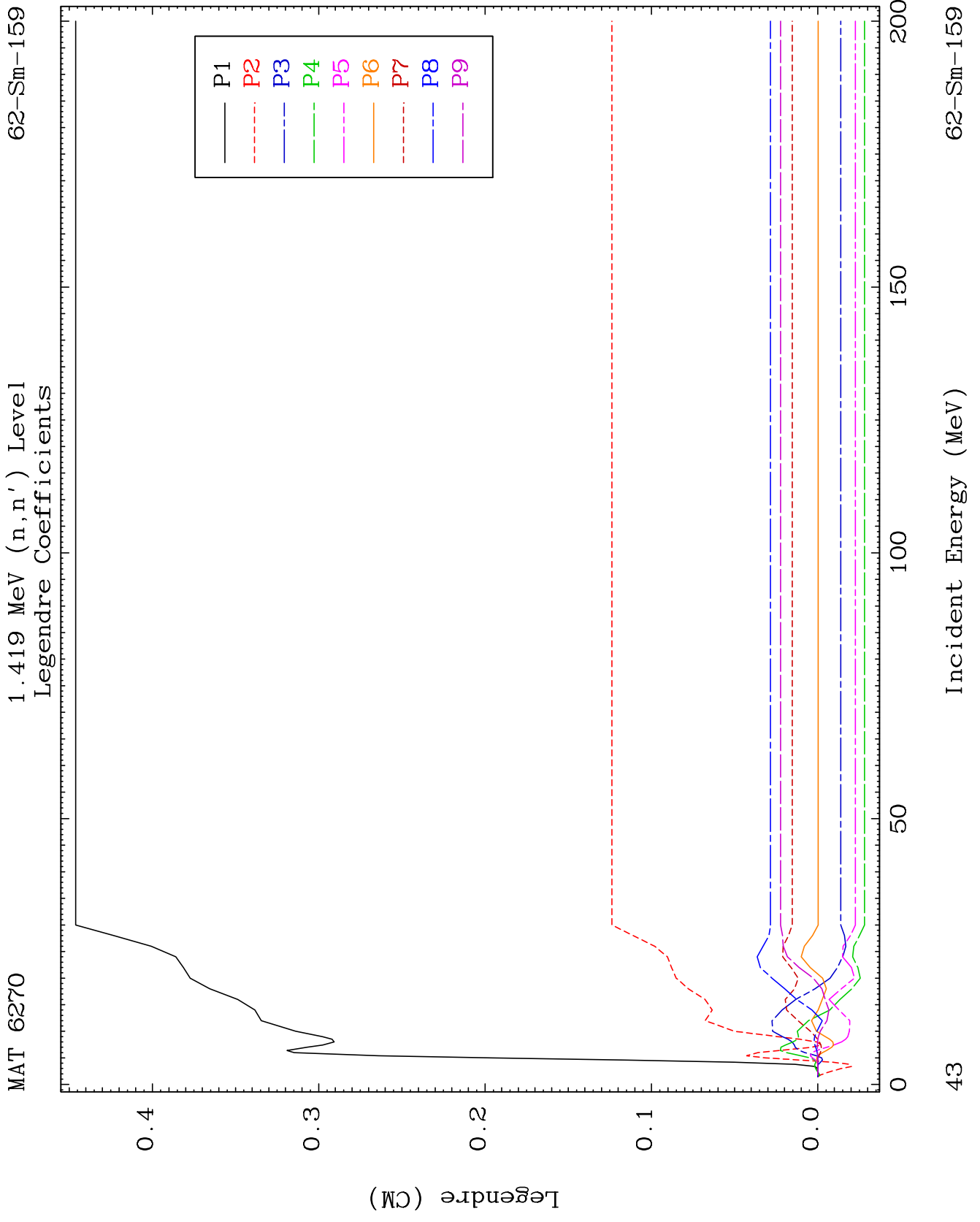








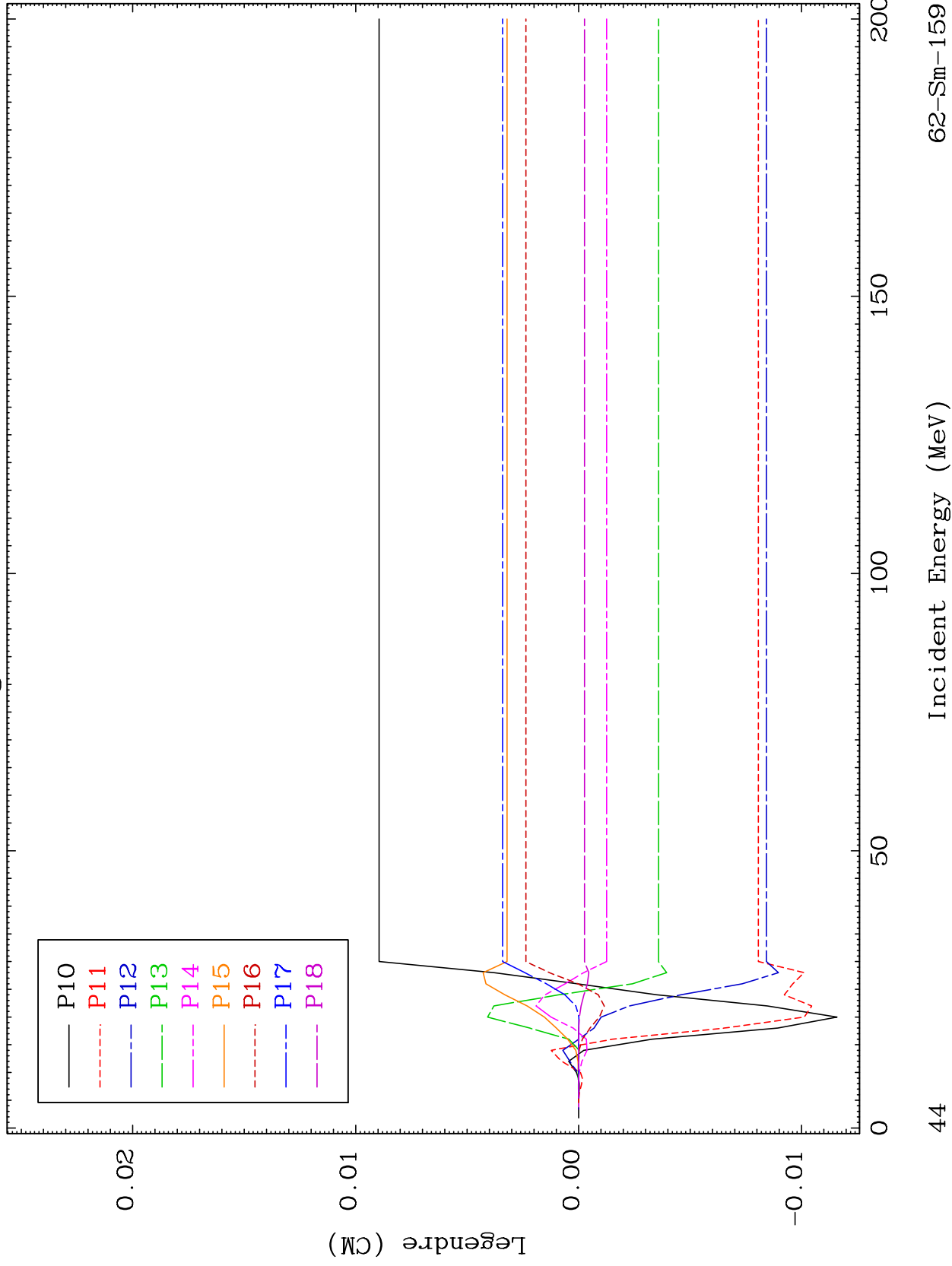




MAT 6270

1.419 MeV (n,n') Level
Legendre Coefficients

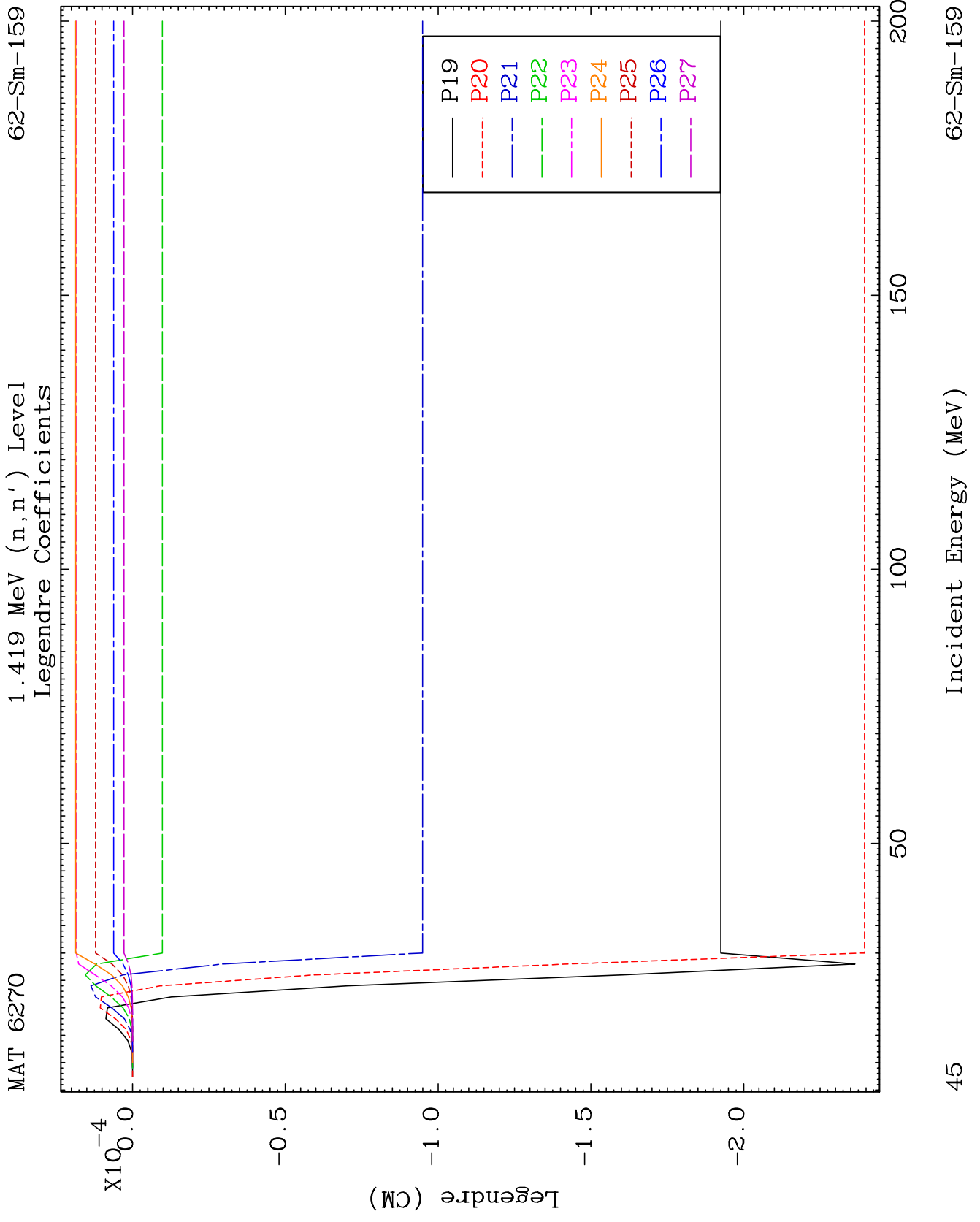
62-Sm-159

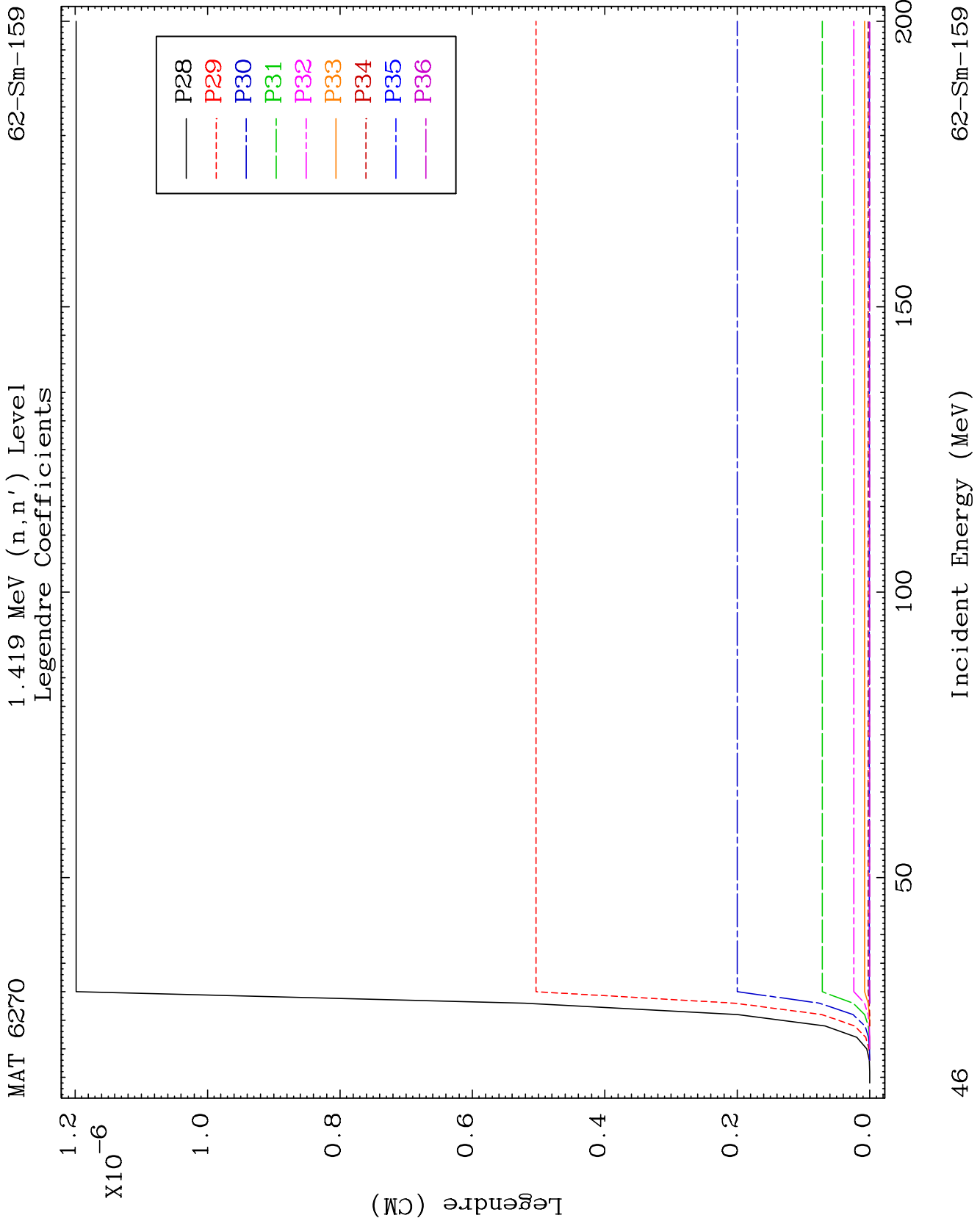


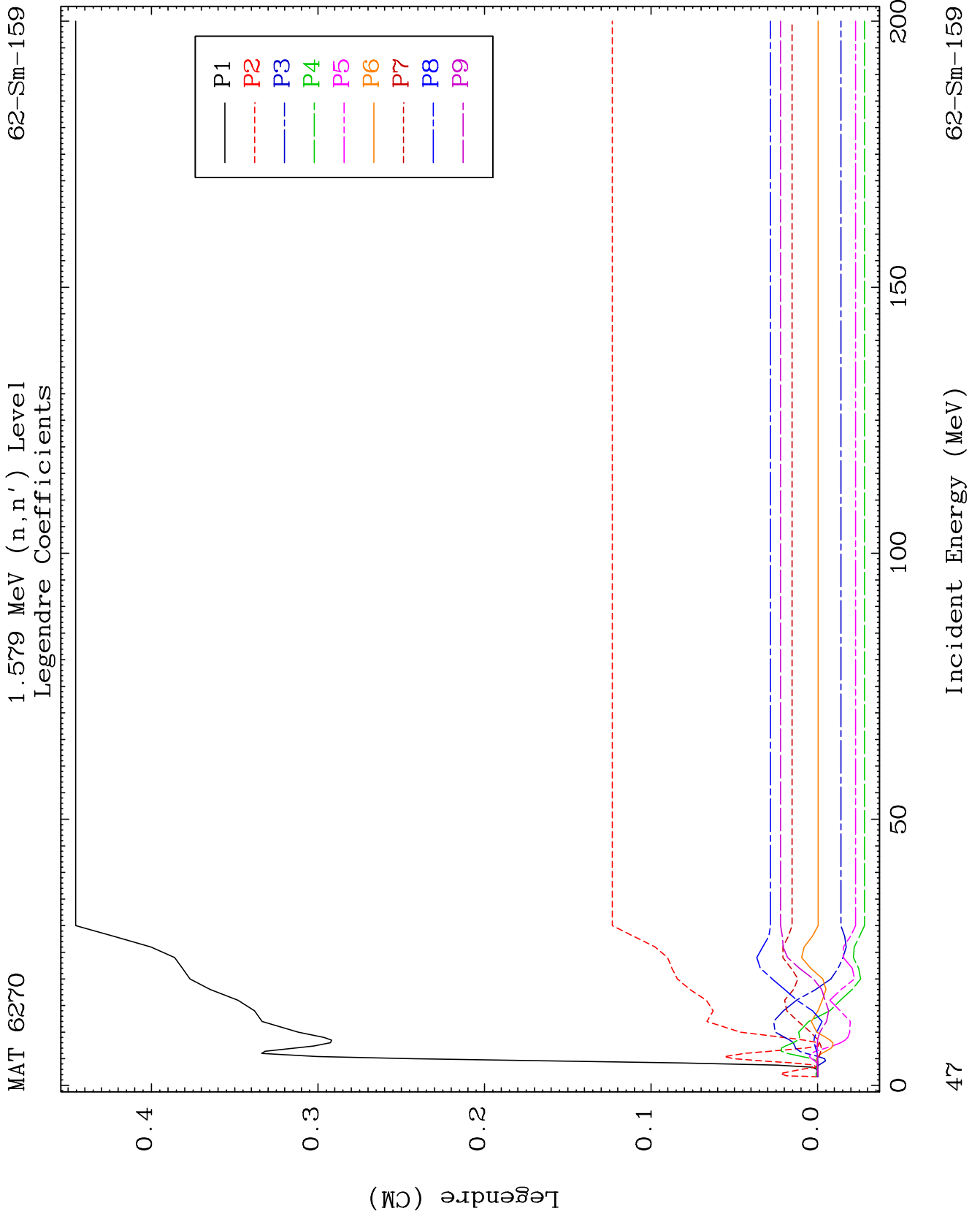
44

Incident Energy (MeV)

62-Sm-159



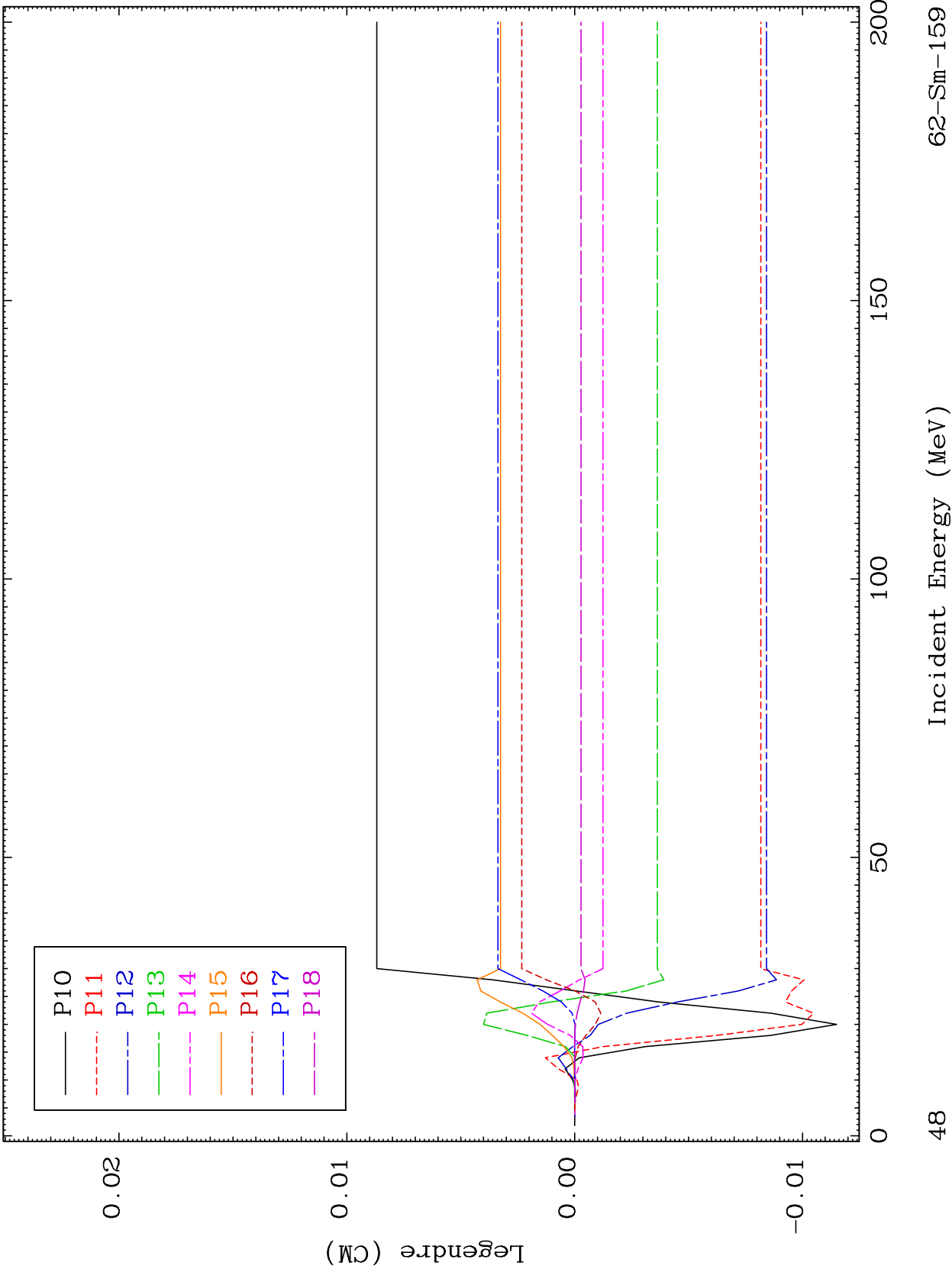




MAT 6270

1.579 MeV (n,n') Level
Legendre Coefficients

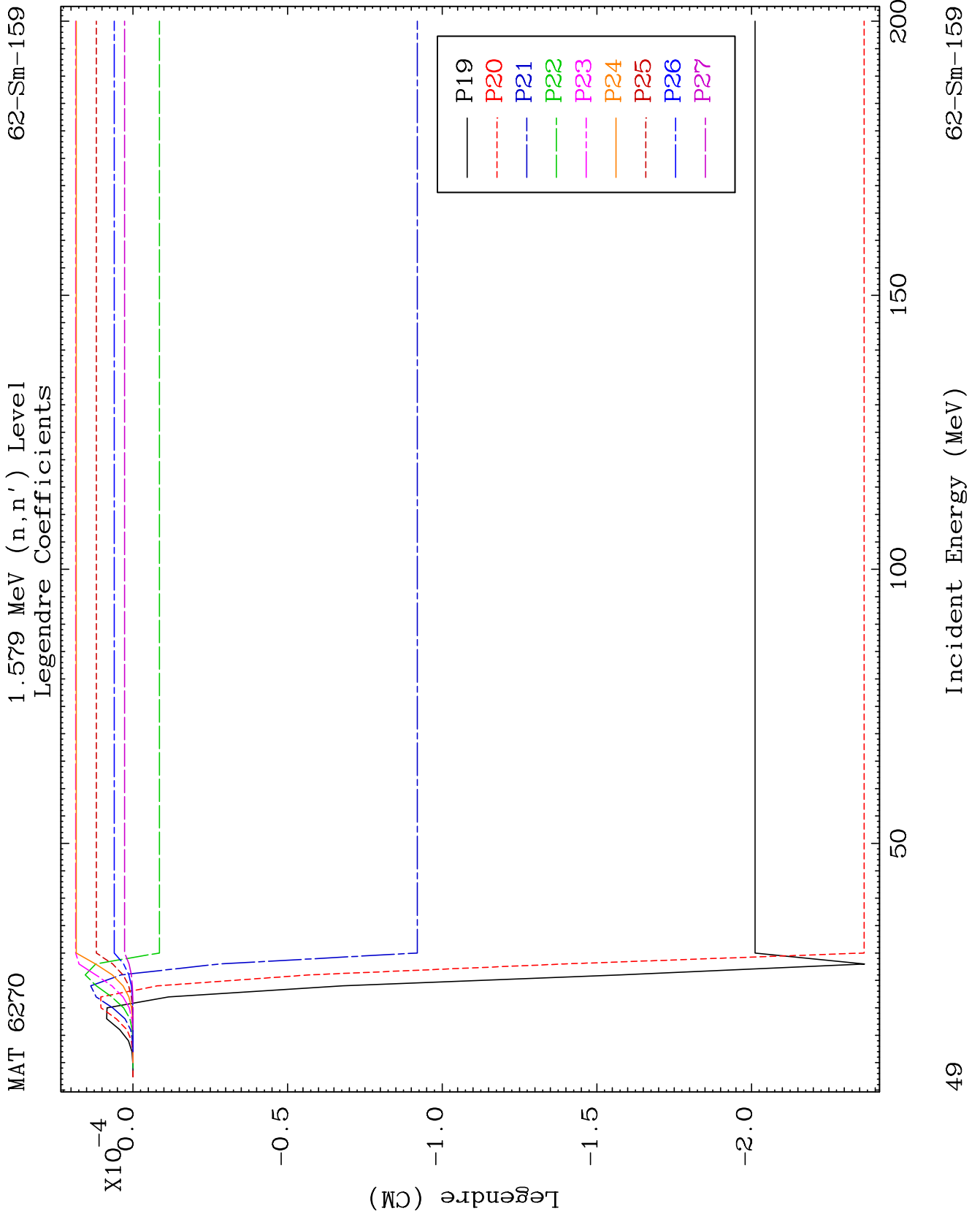
62-Sm-159

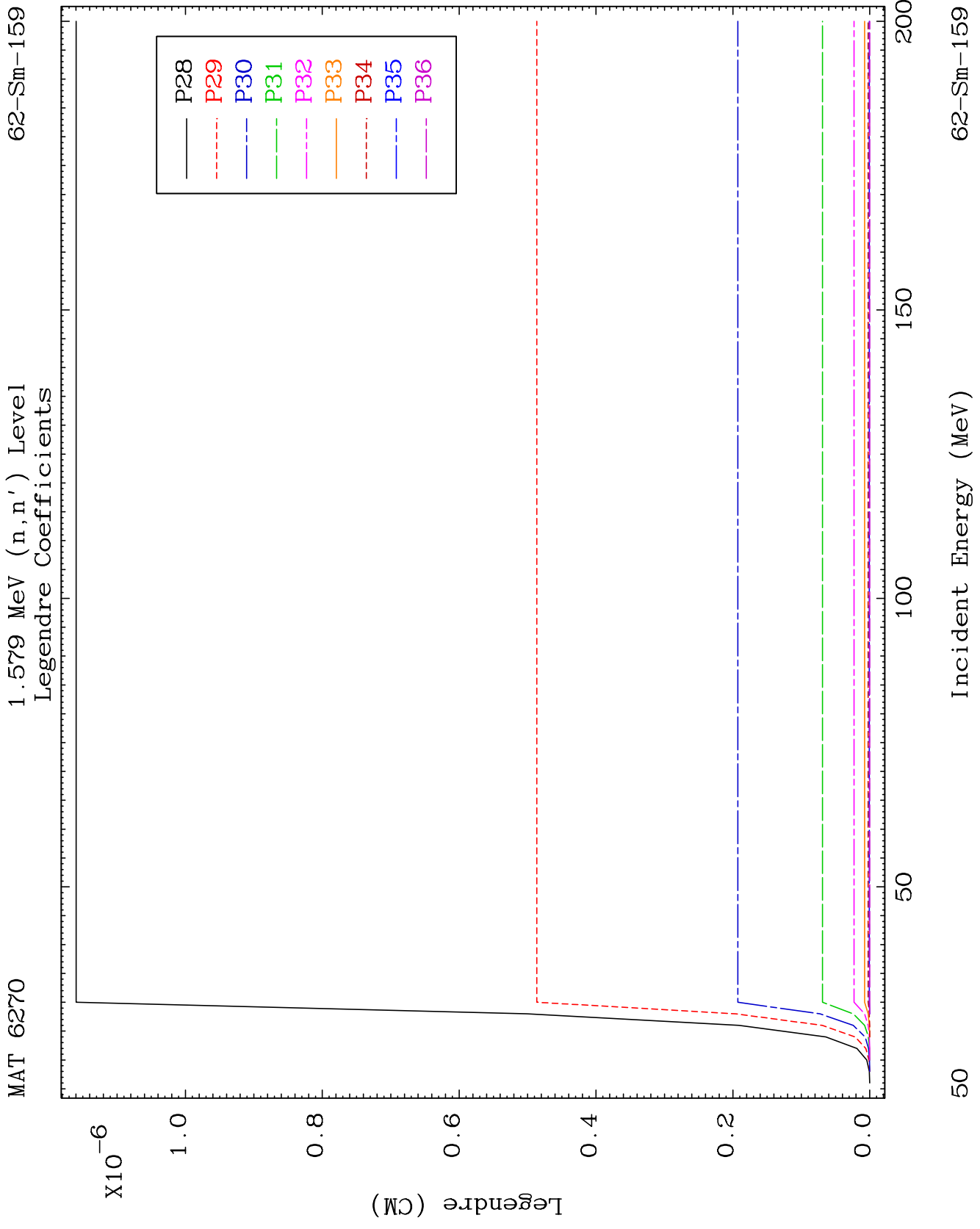


62-Sm-159

Incident Energy (MeV)

48

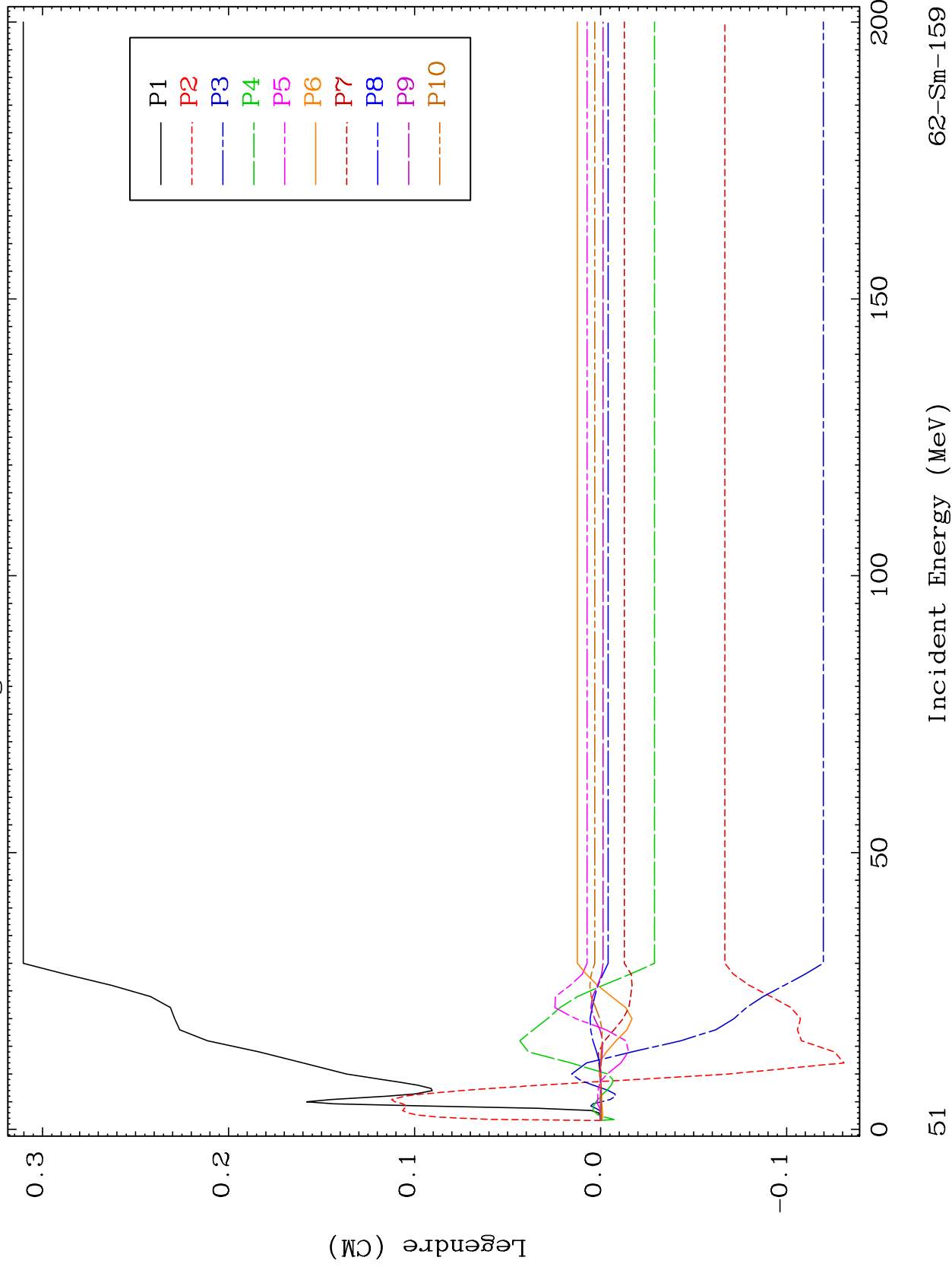




MAT 6270

1.592 MeV (n,n') Level
Legendre Coefficients

62-Sm-159



51

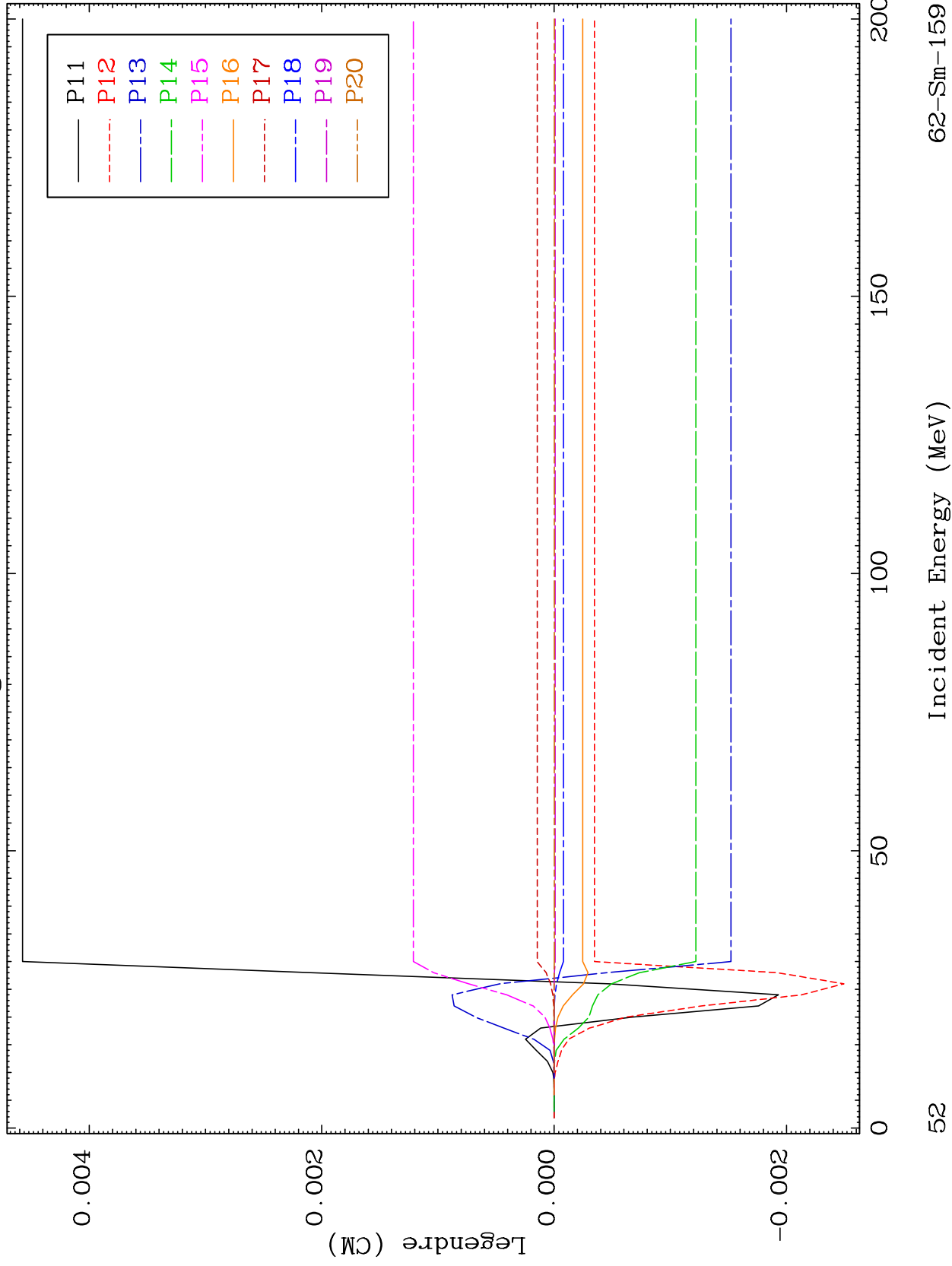
Incident Energy (MeV)

62-Sm-159

MAT 6270

1.592 MeV (n,n') Level
Legendre Coefficients

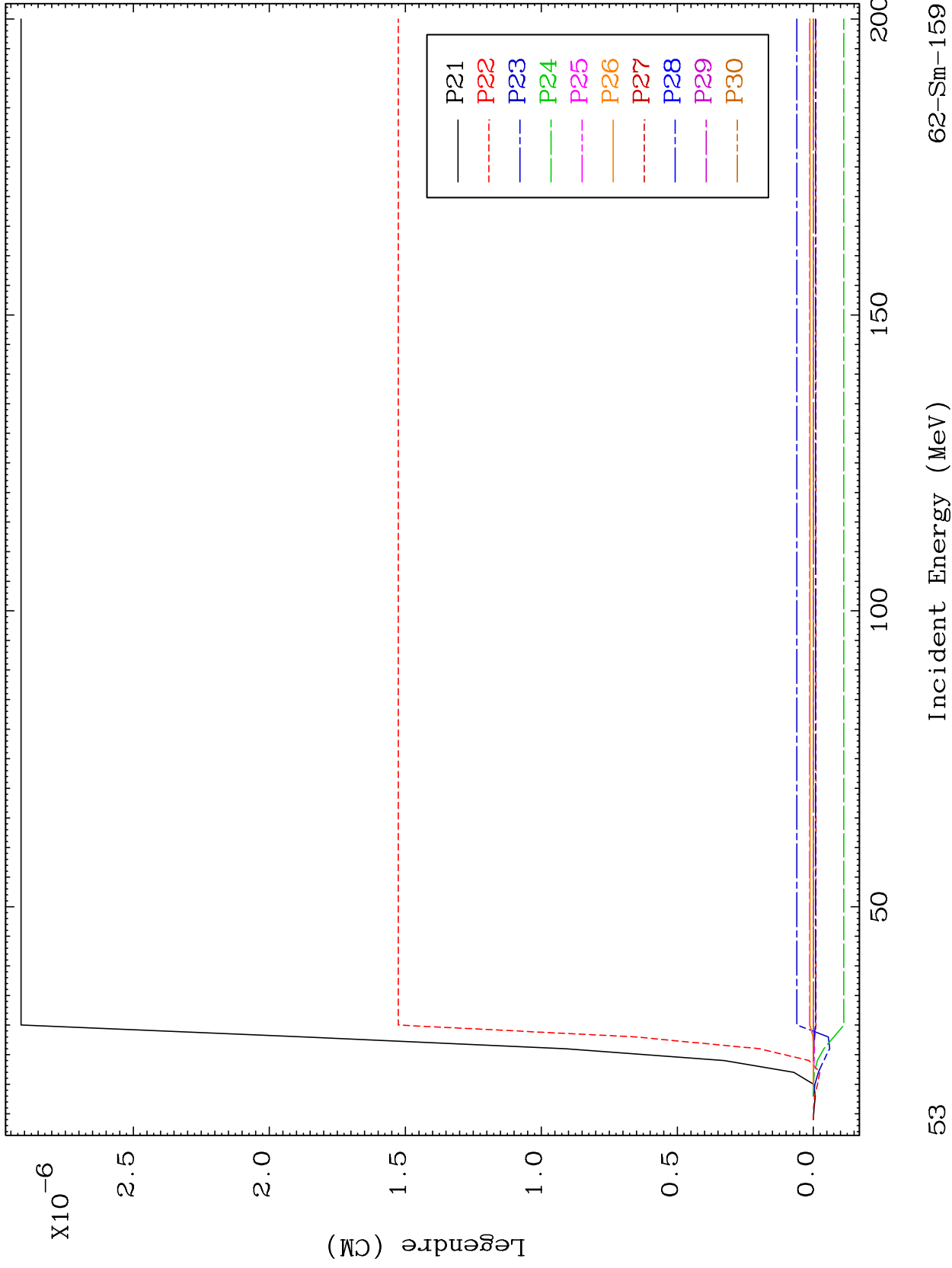
62-Sm-159

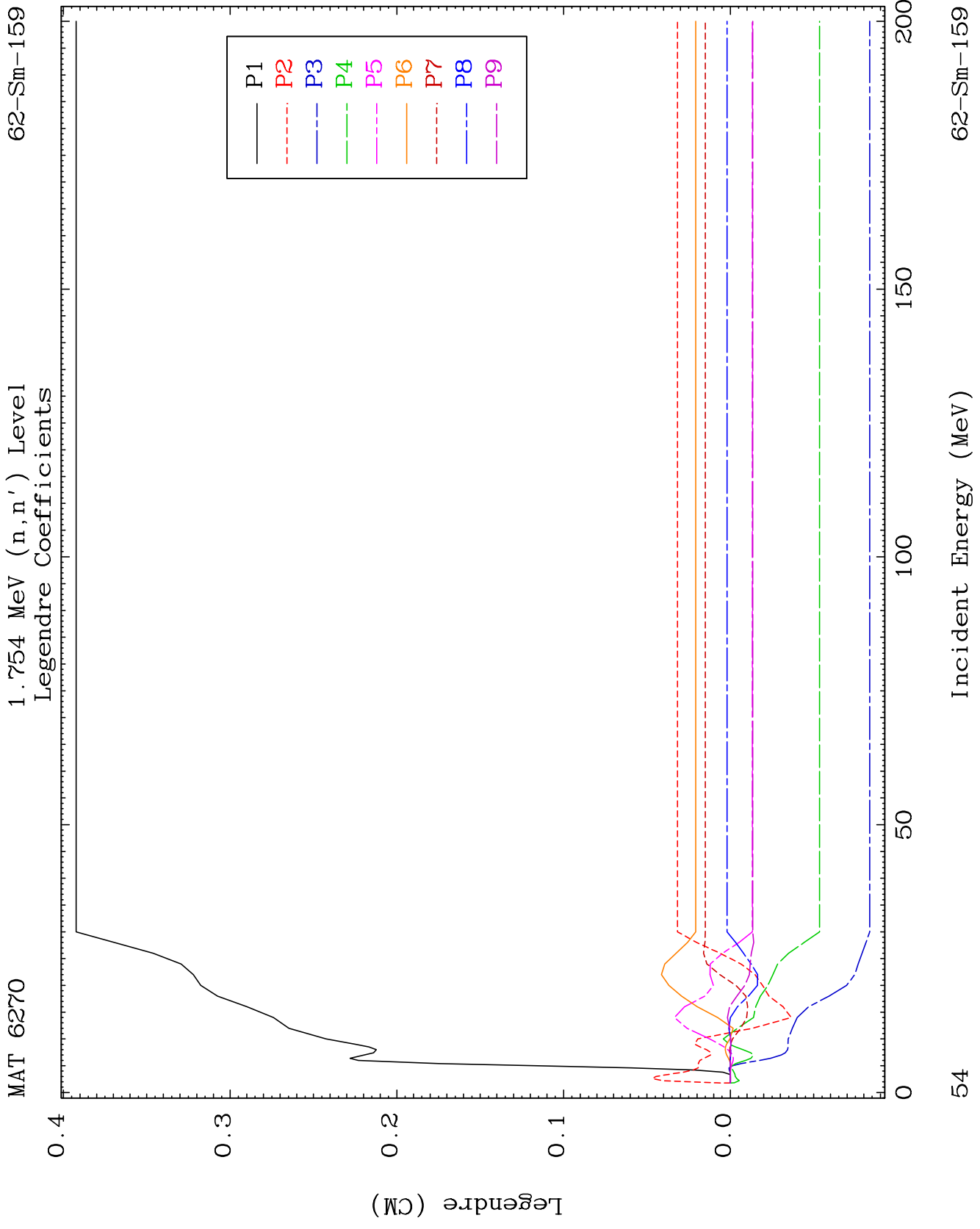


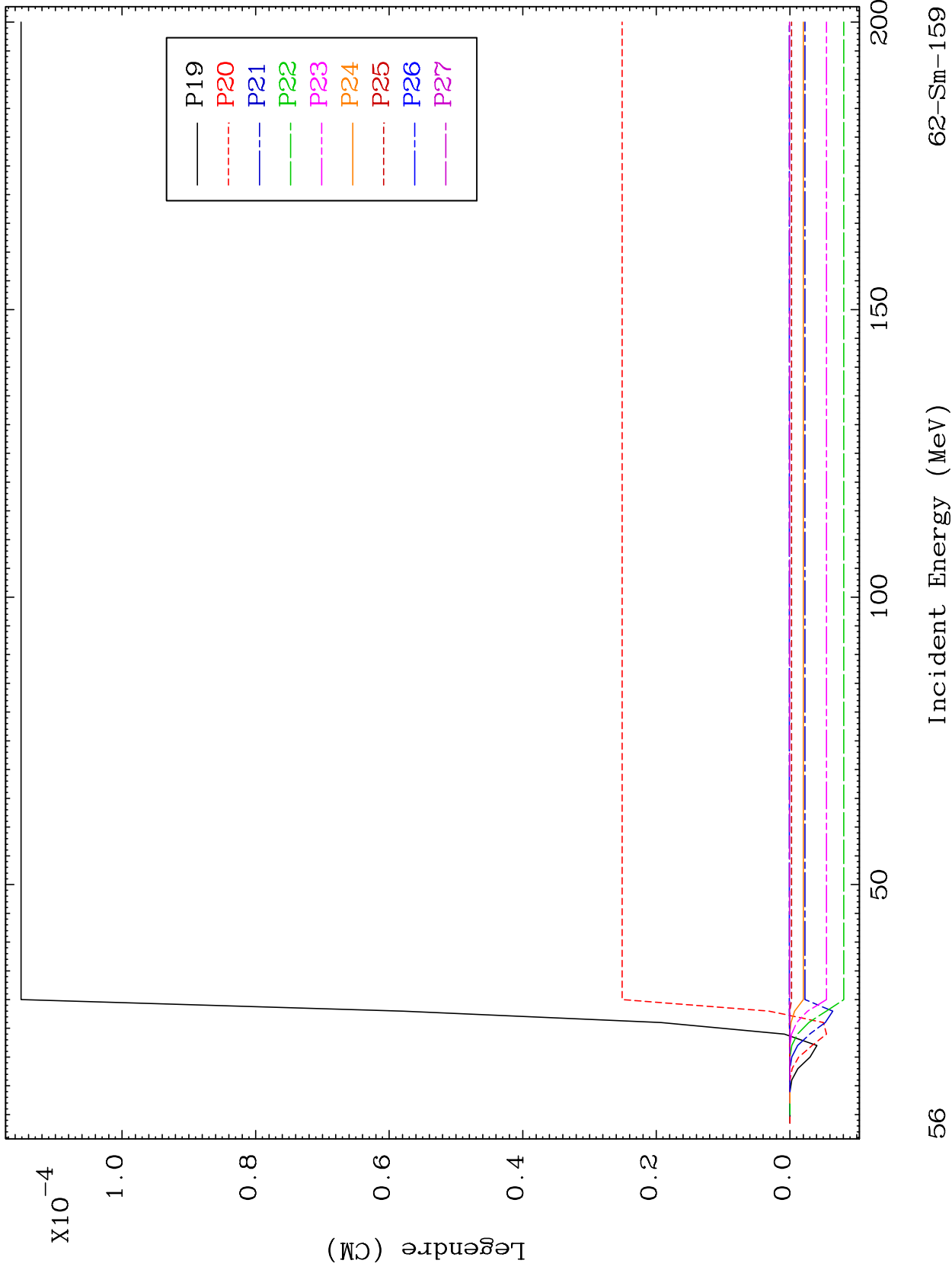
62-Sm-159

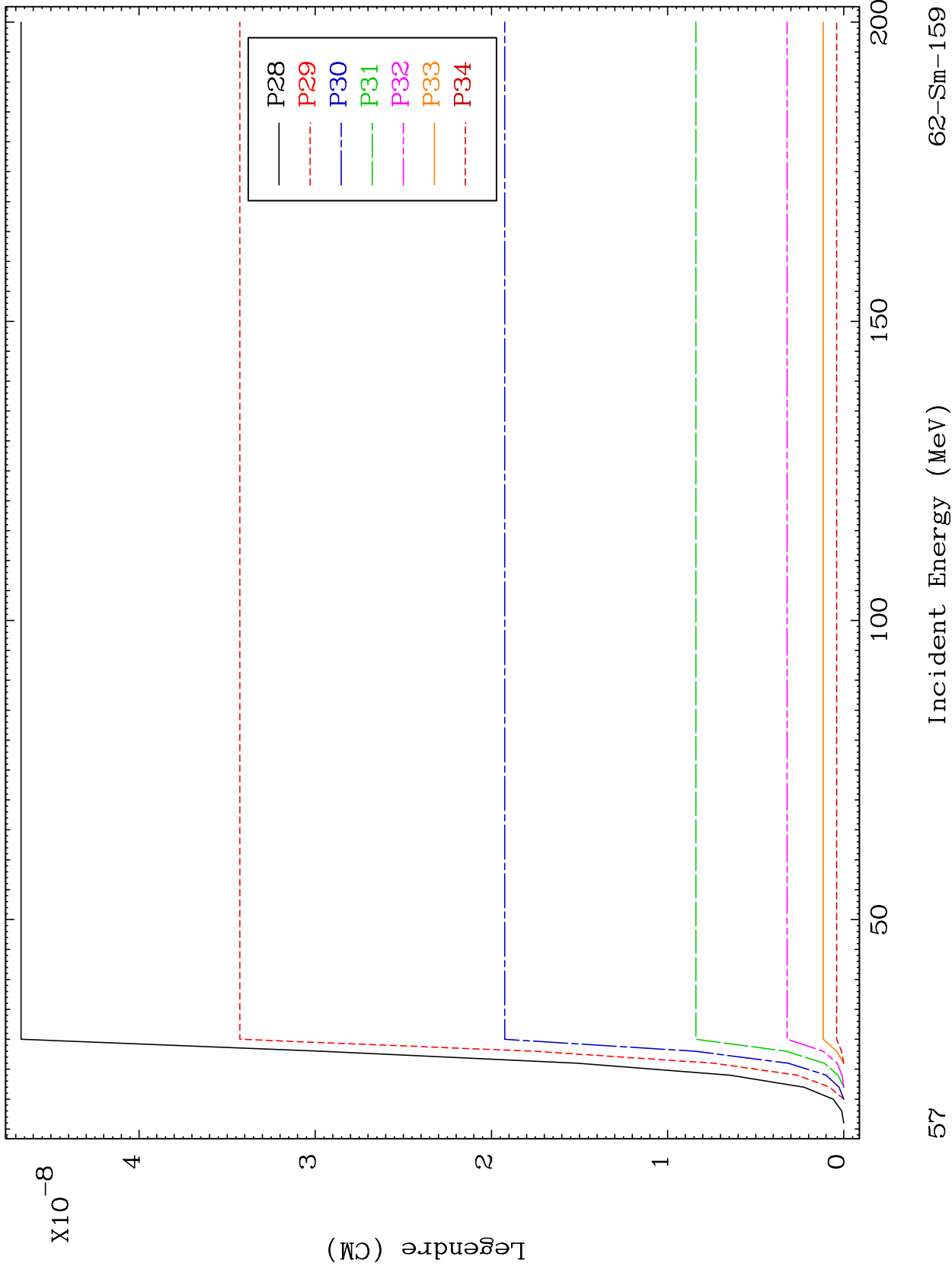
Incident Energy (MeV)

52







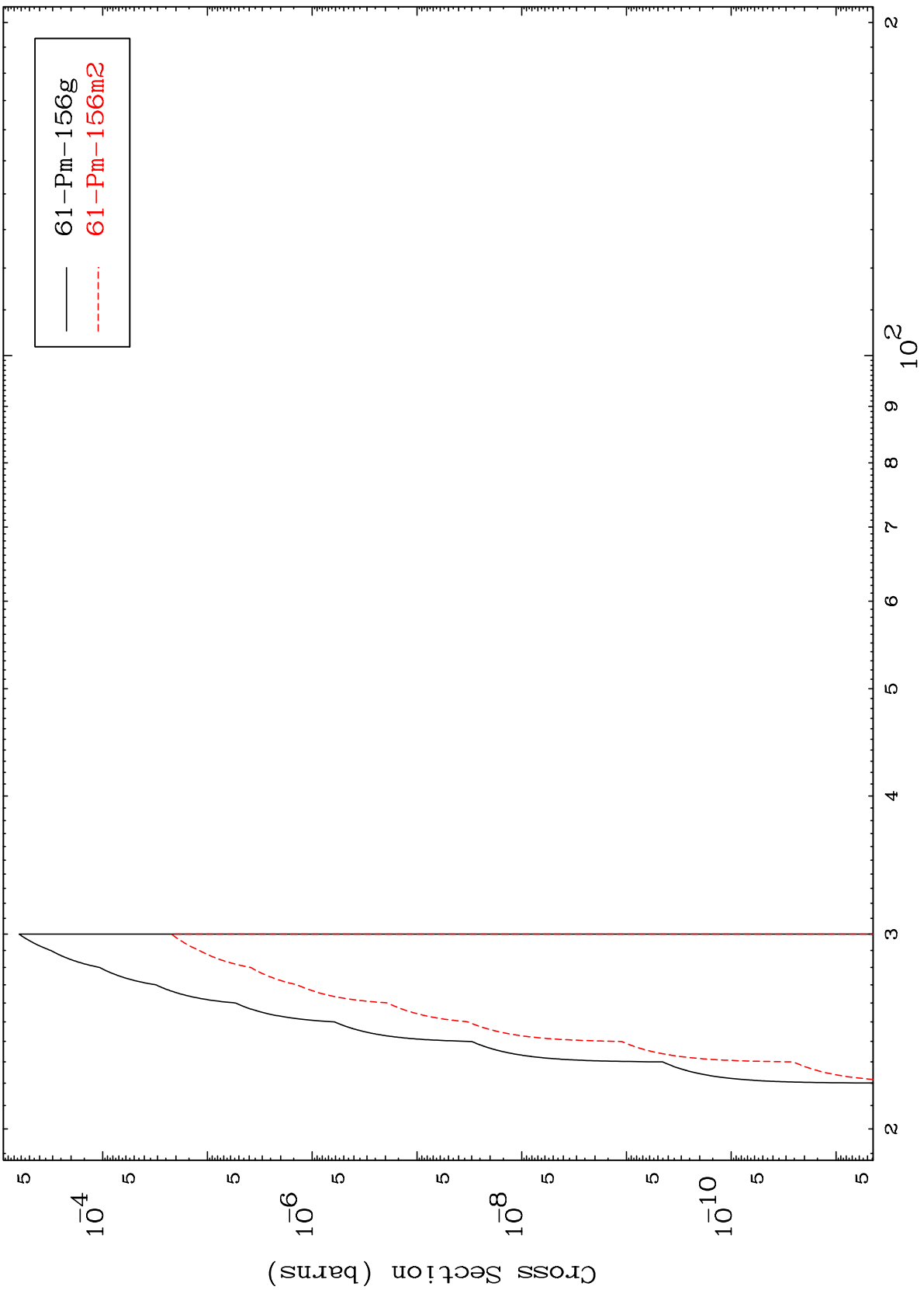


MAT 6270

(n,2n) d

62-Sm-159

Radionuclide Production Cross Section



58

Incident Energy (MeV)

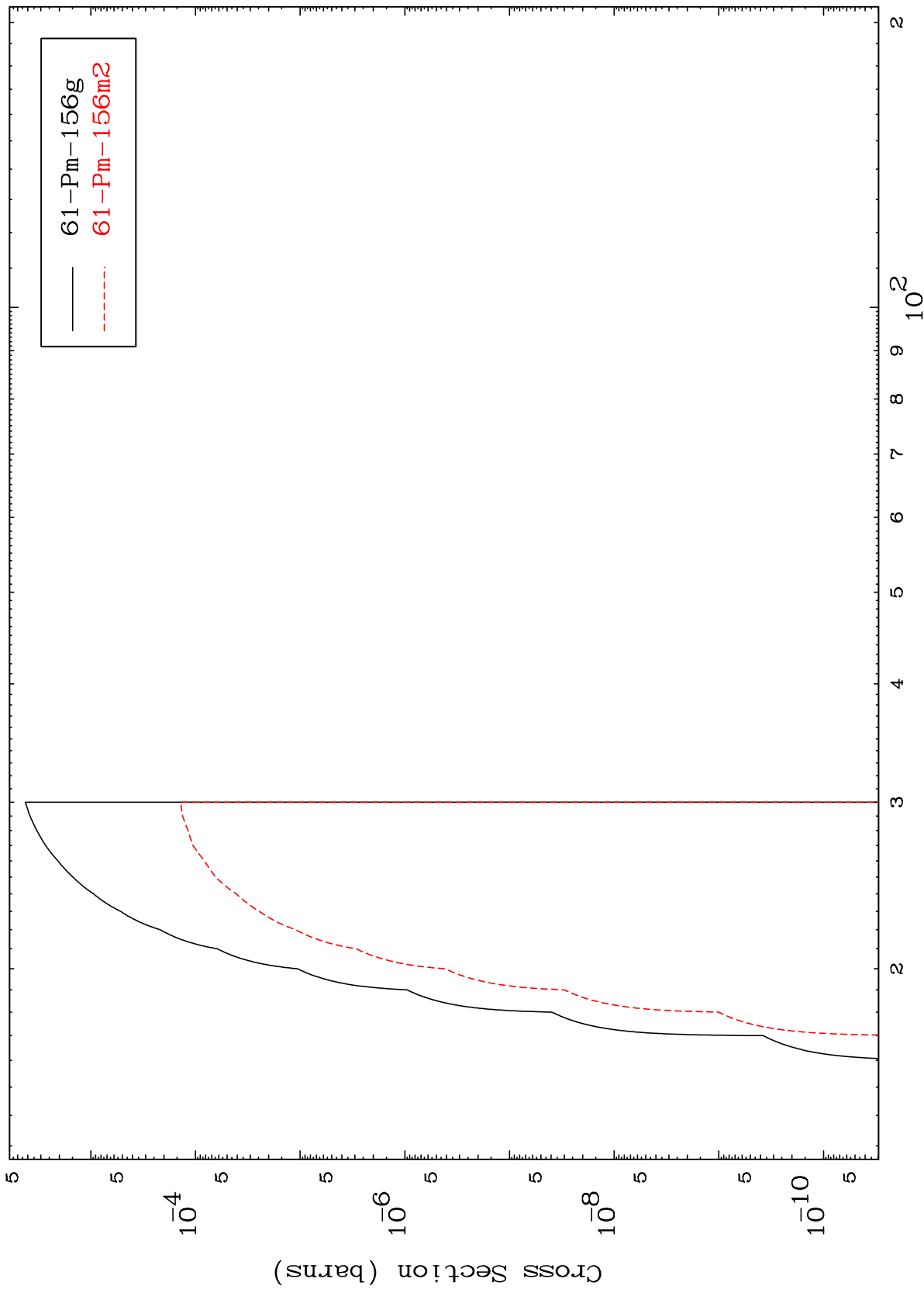
62-Sm-159

MAT 6270

(n,n') t

62-Sm-159

Radionuclide Production Cross Section



59

Incident Energy (MeV)

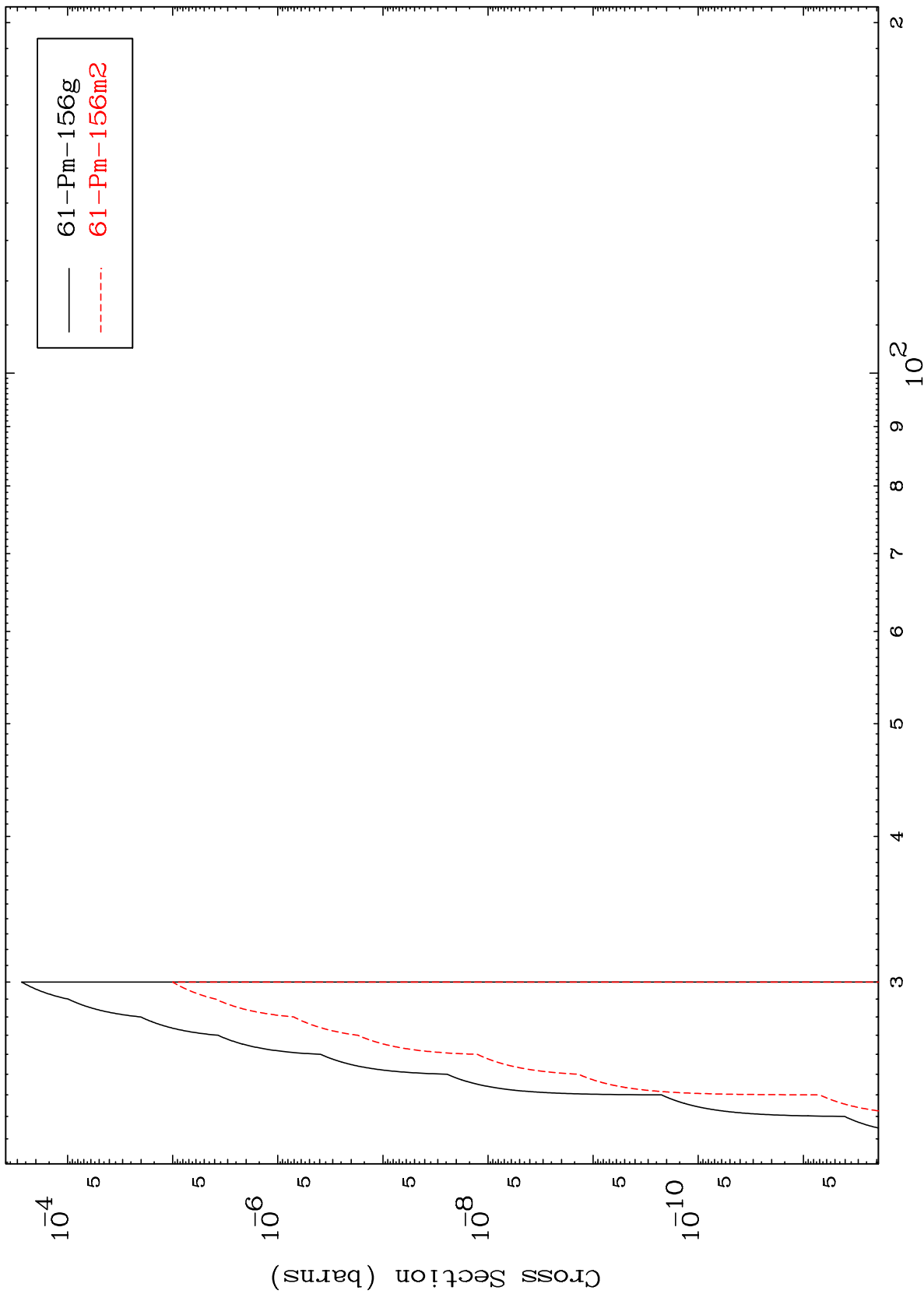
62-Sm-159

MAT 6270

(n,3n) p

62-Sm-159

Radionuclide Production Cross Section



60

Incident Energy (MeV)

62-Sm-159