

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

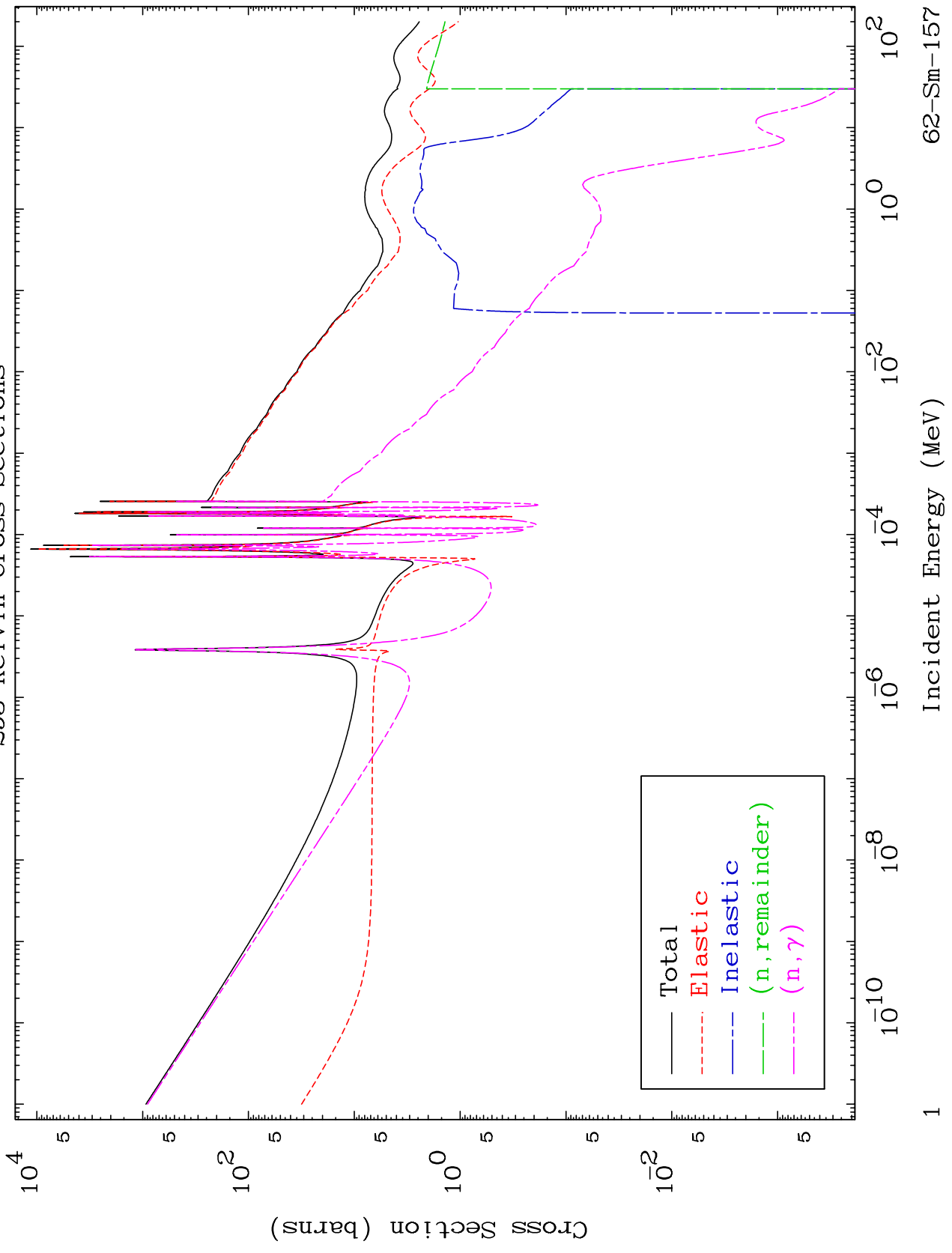
Press Mouse Button to Start

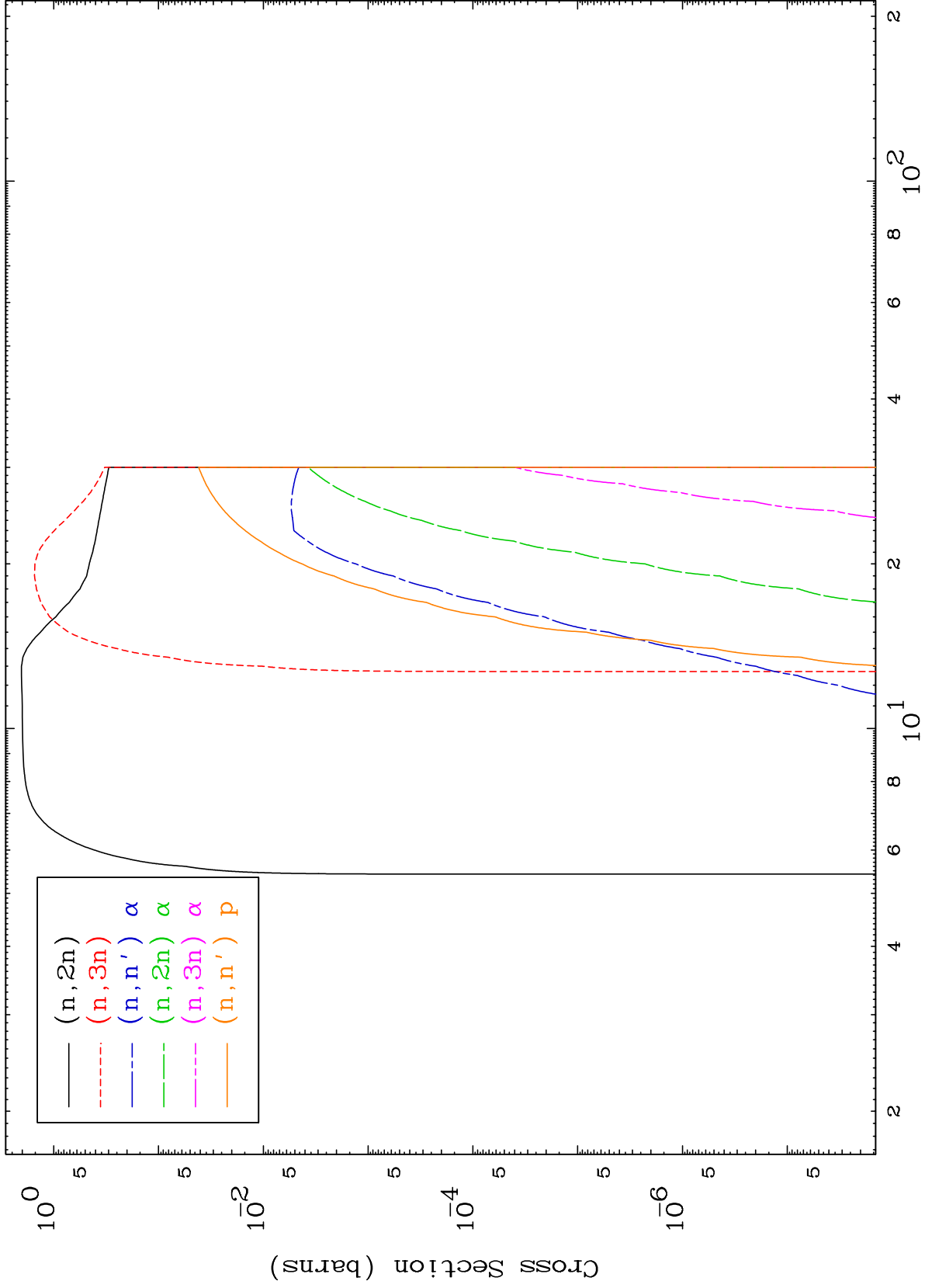
MAT 6264

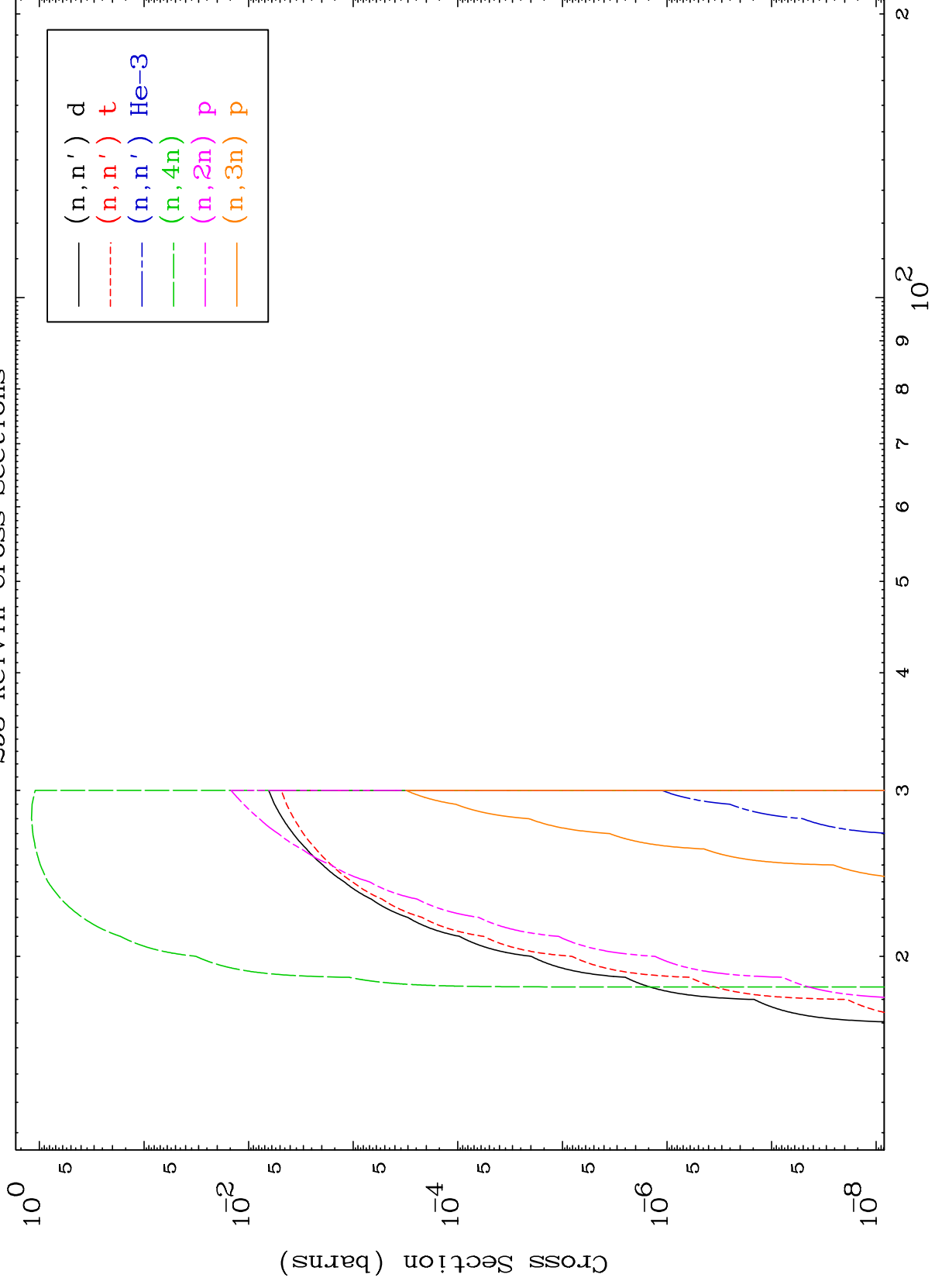
Major

293 Kelvin Cross Sections

62-Sm-157



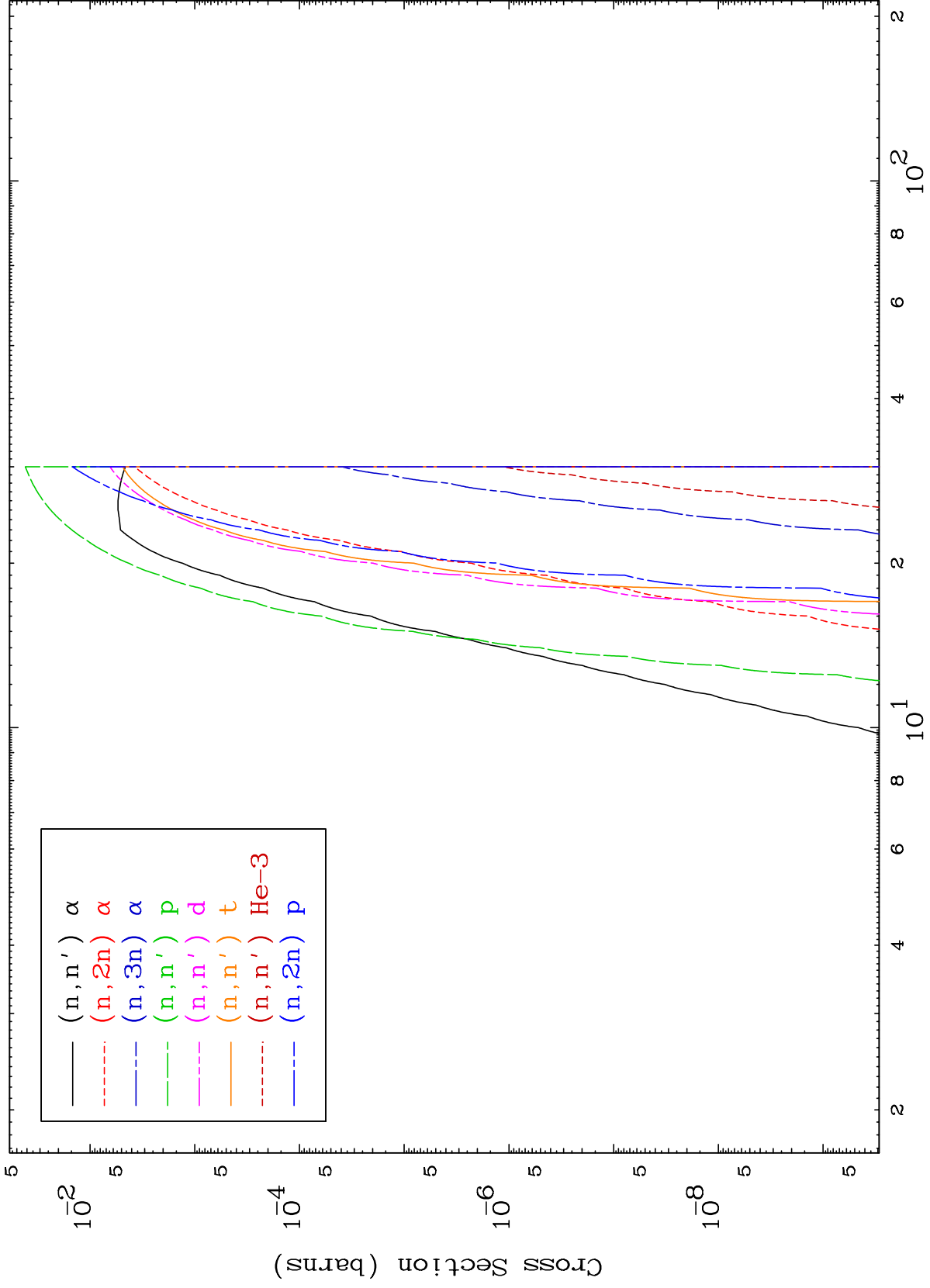




MAT 6264

Charged Particle
293 Kelvin Cross Sections

62-Sm-157



4

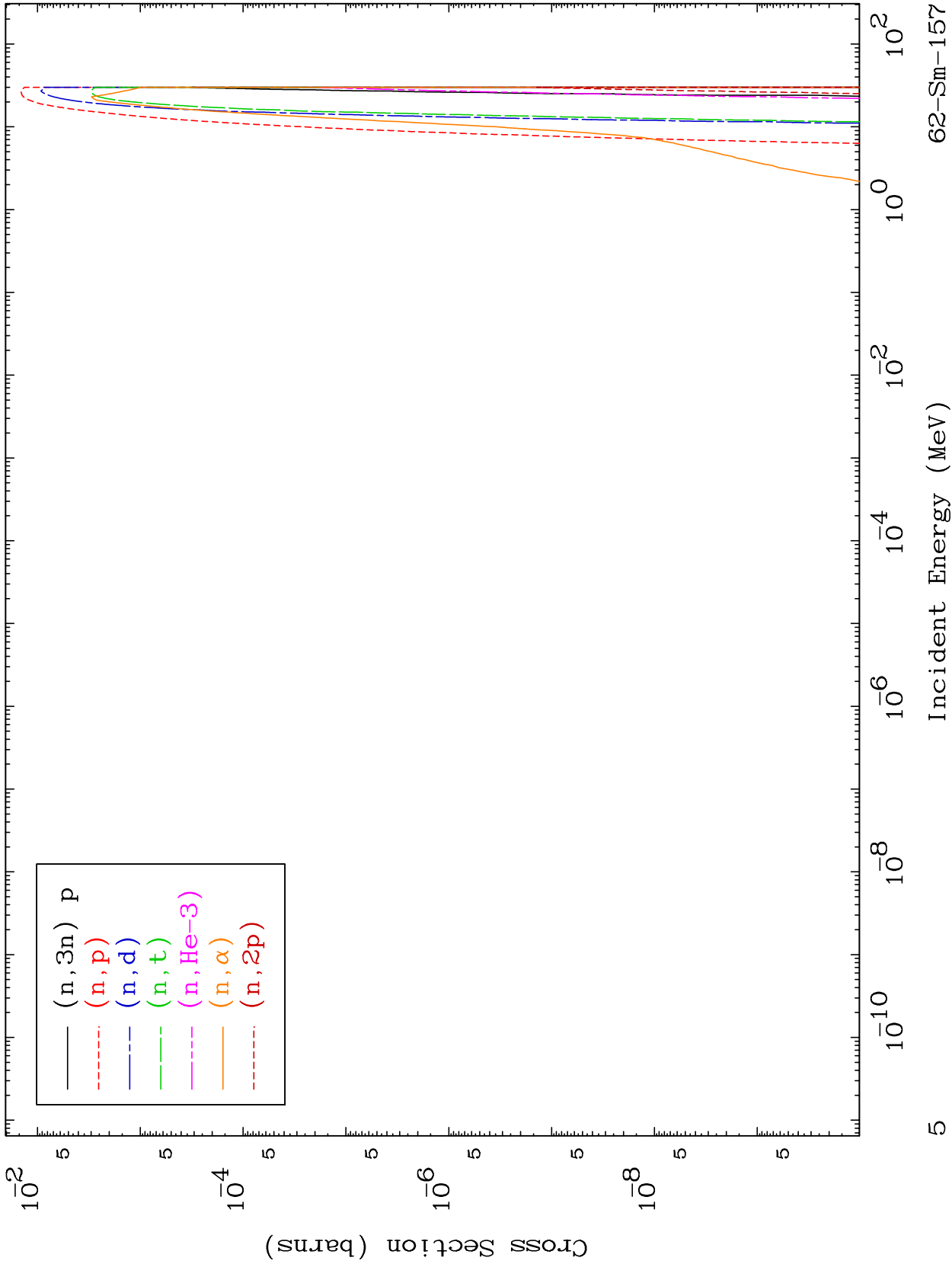
Incident Energy (MeV)

62-Sm-157

MAT 6264

Charged Particle
293 Kelvin Cross Sections

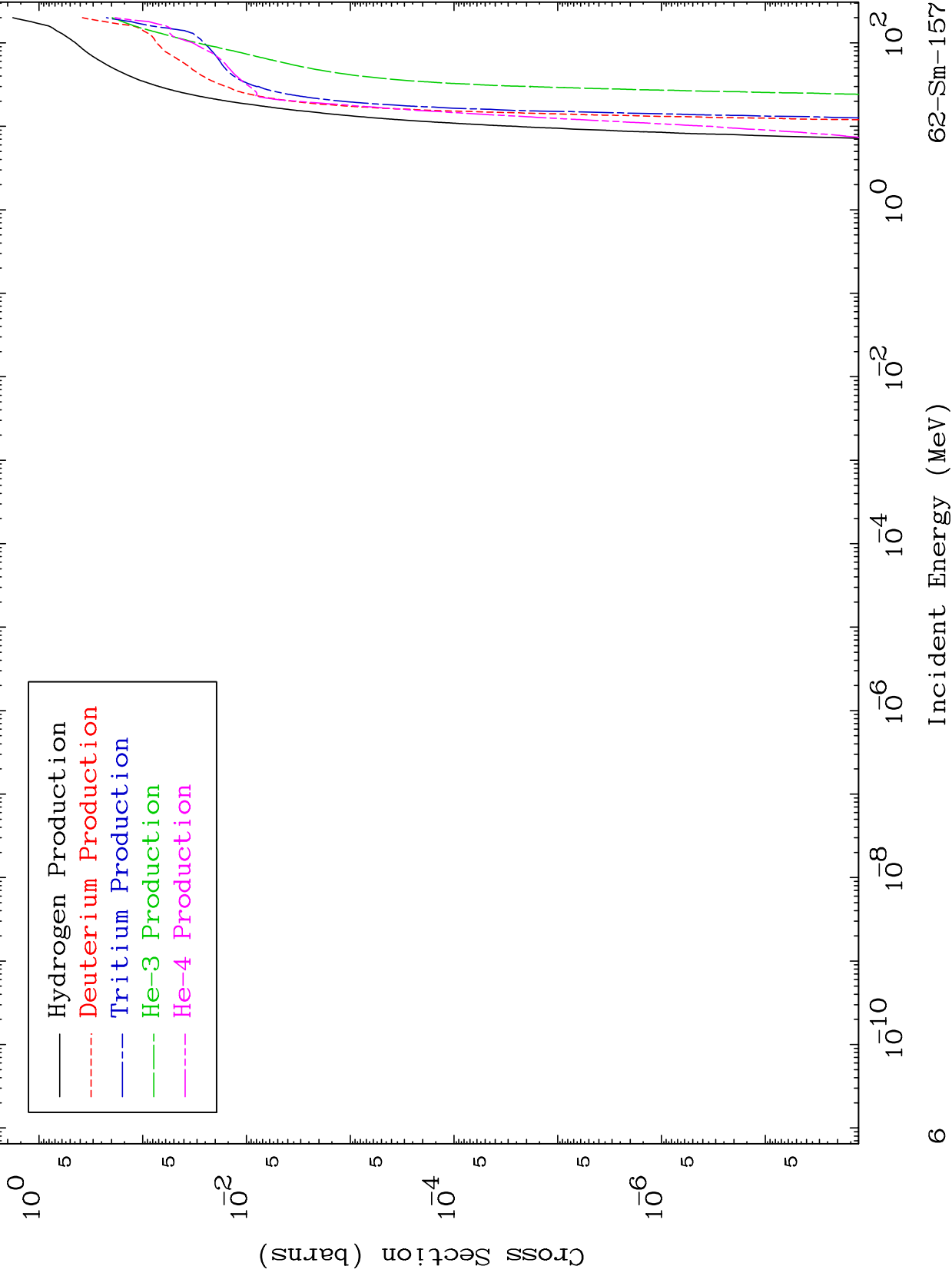
62-Sm-157



MAT 6264

Particle Production
293 Kelvin Cross Sections

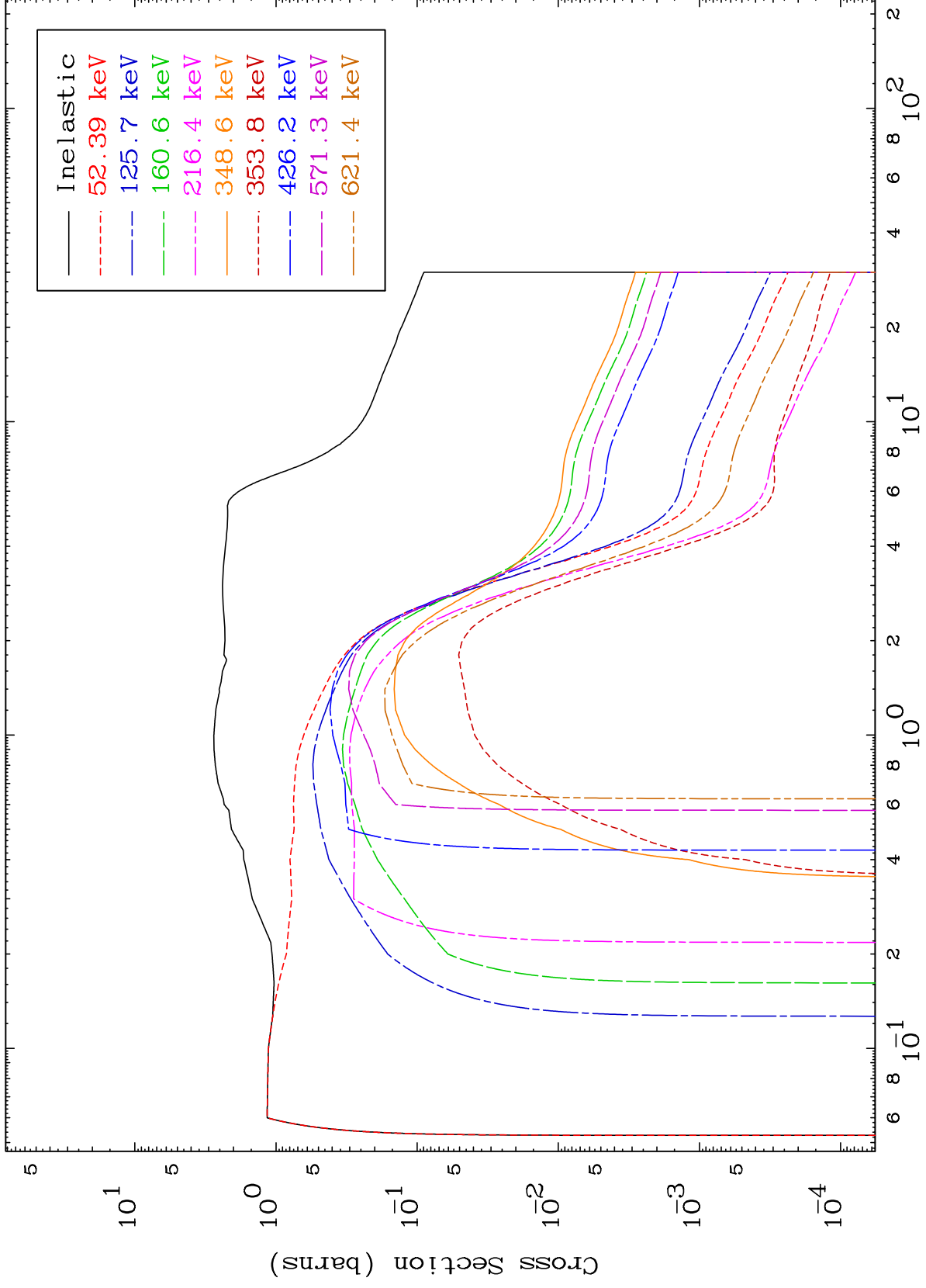
62-Sm-157



MAT 6264

(n,n') Level
293 Kelvin Cross Sections

62-Sm-157



7

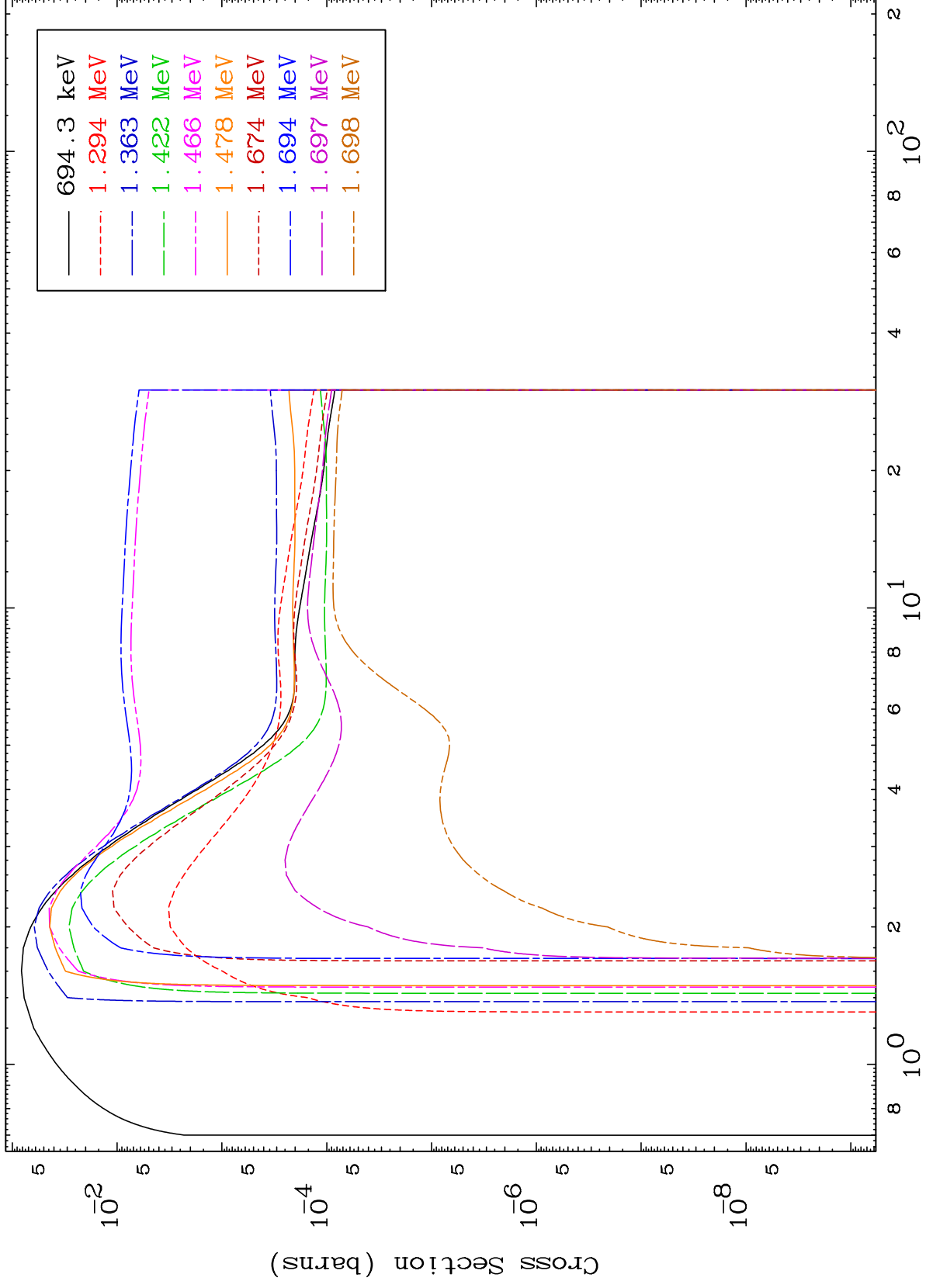
Incident Energy (MeV)

62-Sm-157

MAT 6264

(n,n') Level
293 Kelvin Cross Sections

62-Sm-157



8

Incident Energy (MeV)

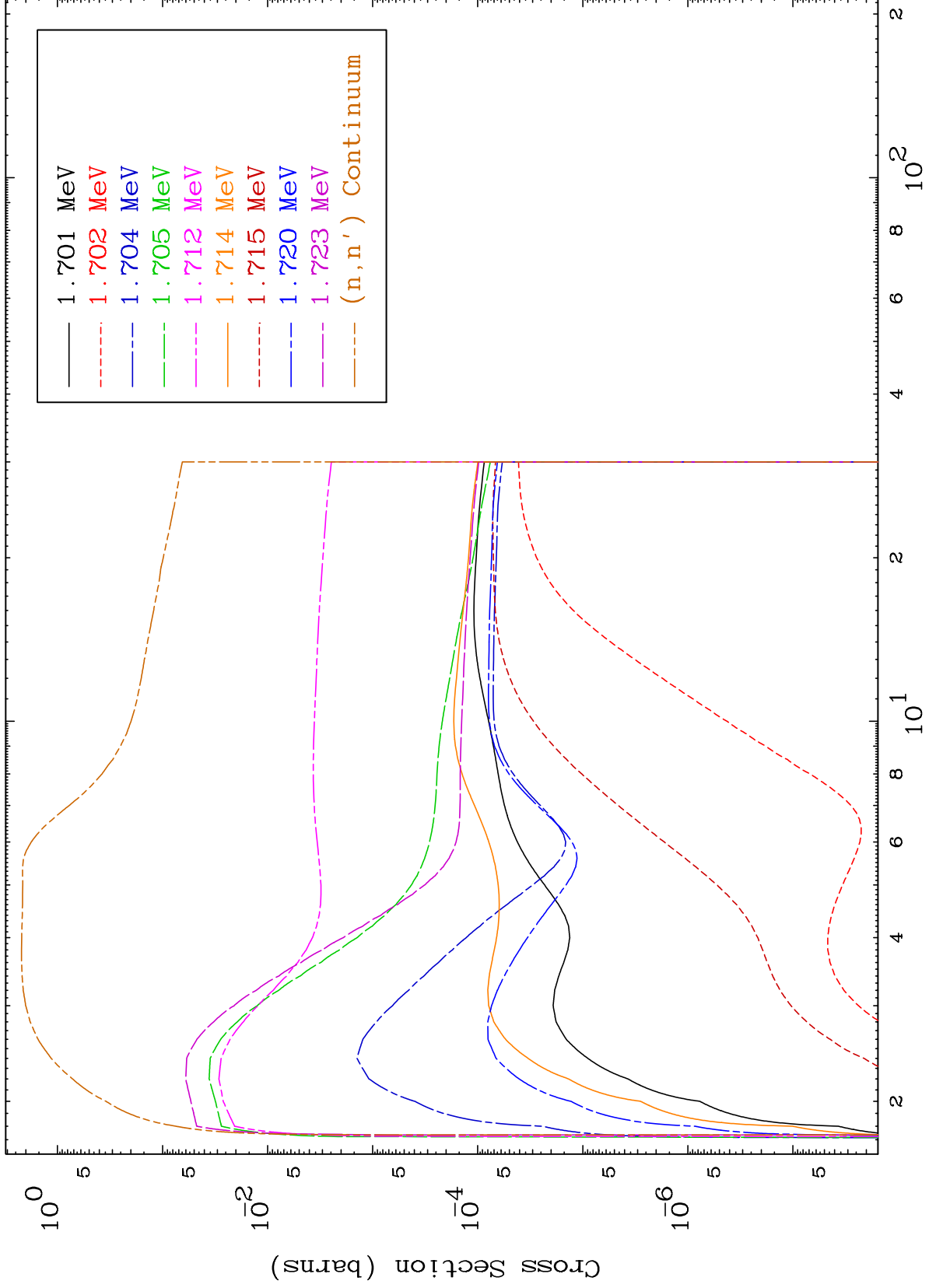
62-Sm-157

MAT 6264

(n,n') Level

62-Sm-157

293 Kelvin Cross Sections



9

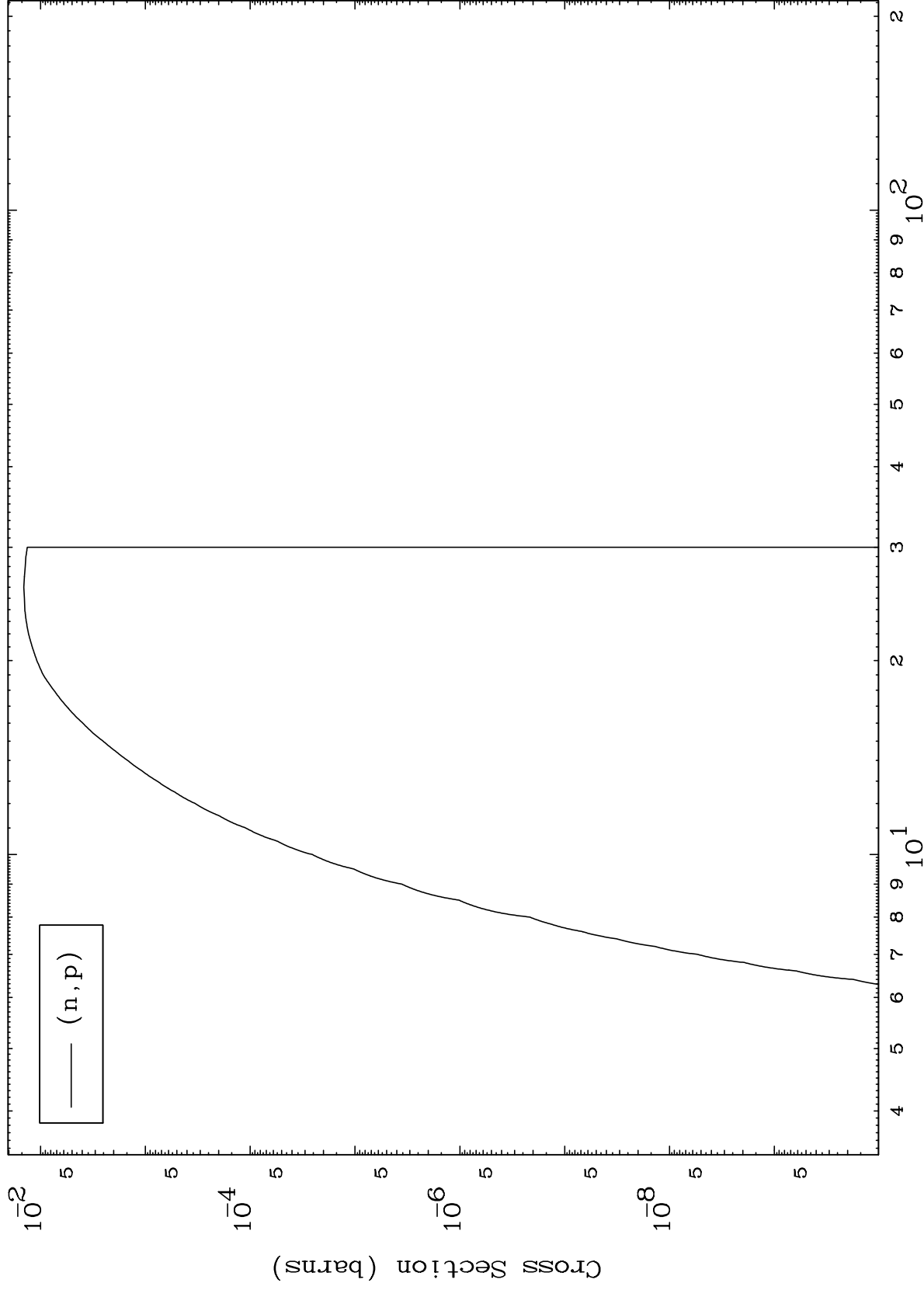
Incident Energy (MeV)

62-Sm-157

MAT 6264

(n,p) Levels
293 Kelvin Cross Sections

62-Sm-157



62-Sm-157

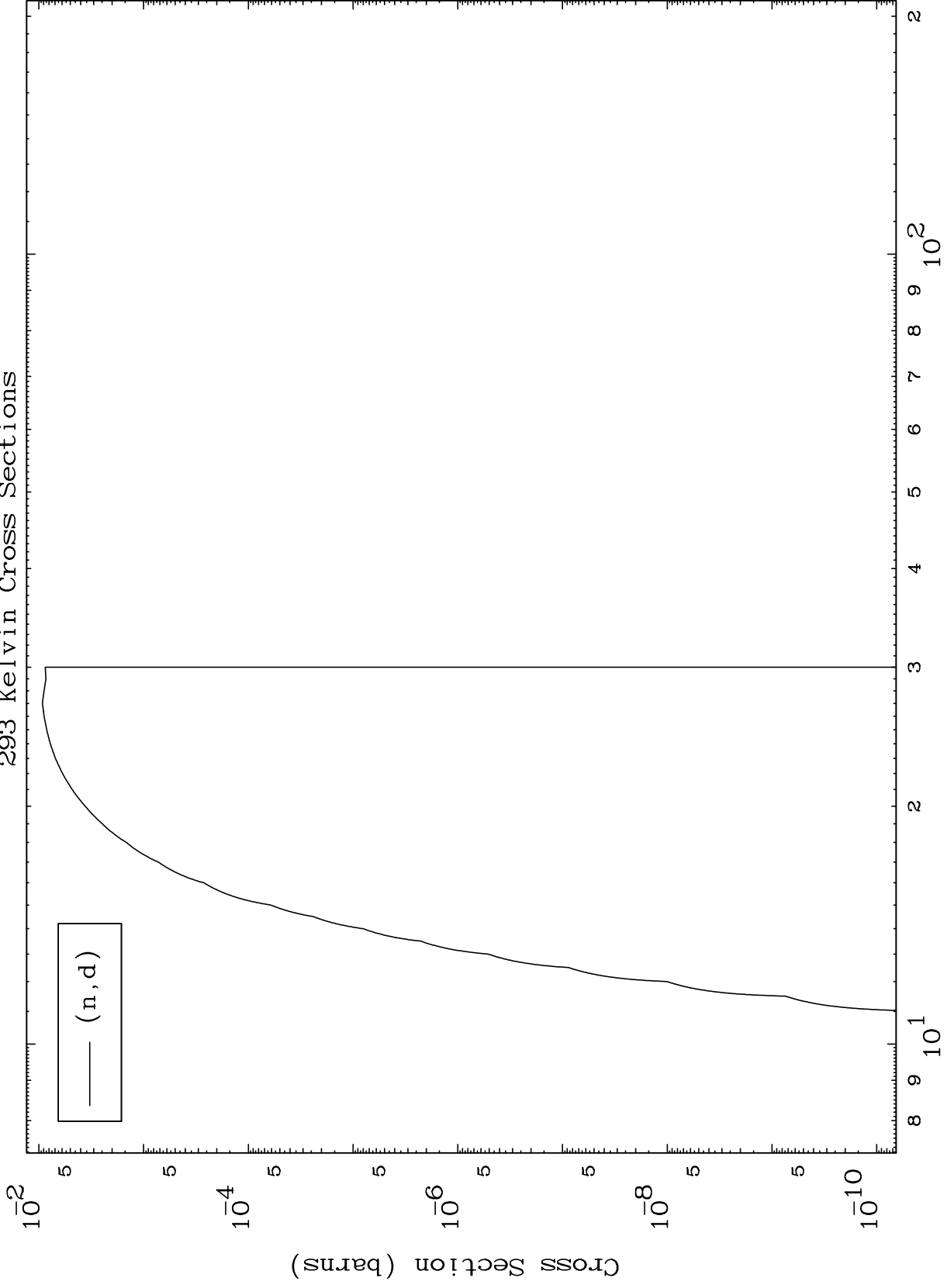
Incident Energy (MeV)

10

MAT 6264

(n,d) Levels
293 Kelvin Cross Sections

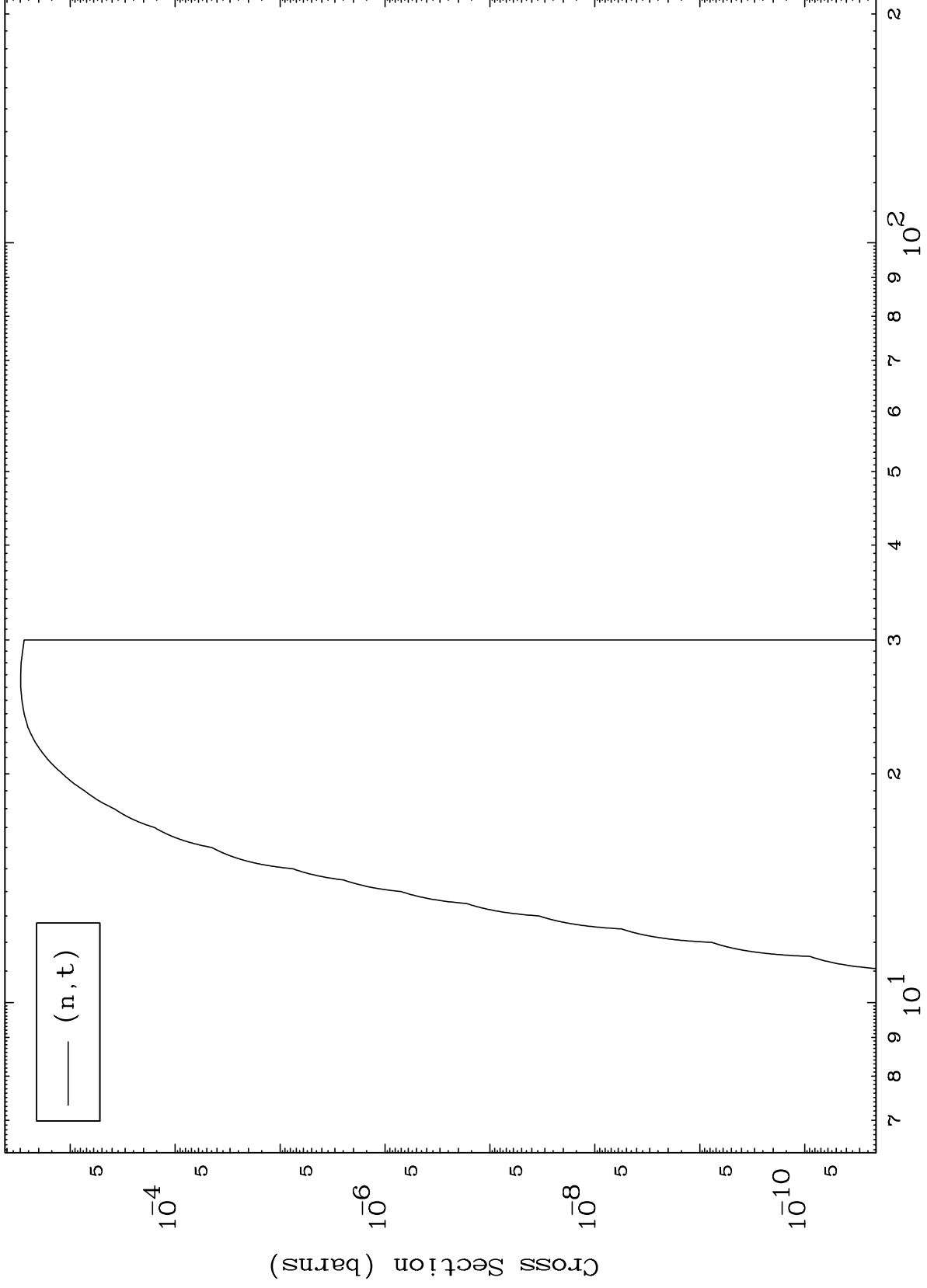
62-Sm-157



MAT 6264

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-157



12

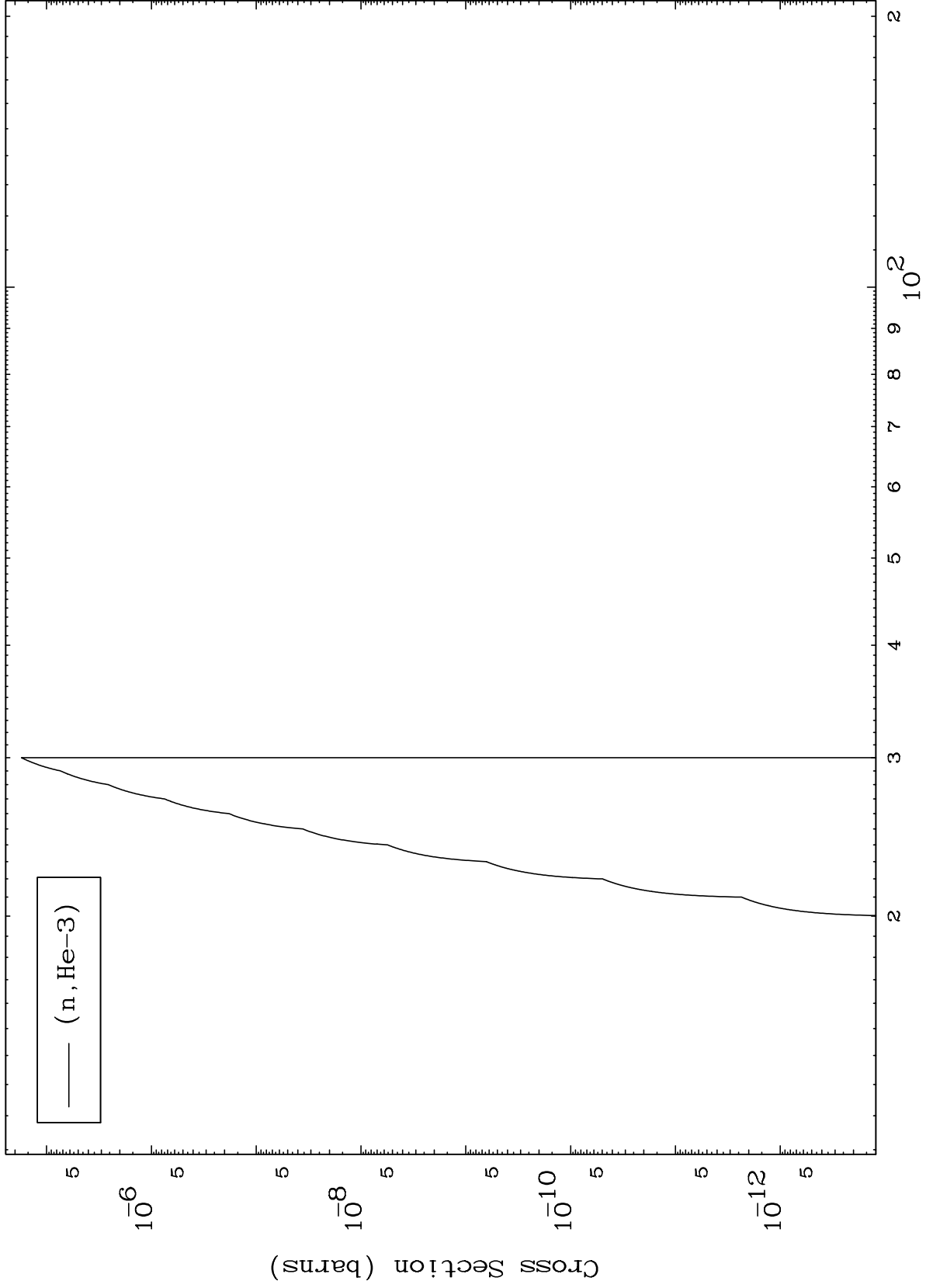
Incident Energy (MeV)

62-Sm-157

MAT 6264

(n,He3) Levels
293 Kelvin Cross Sections

62-Sm-157



13

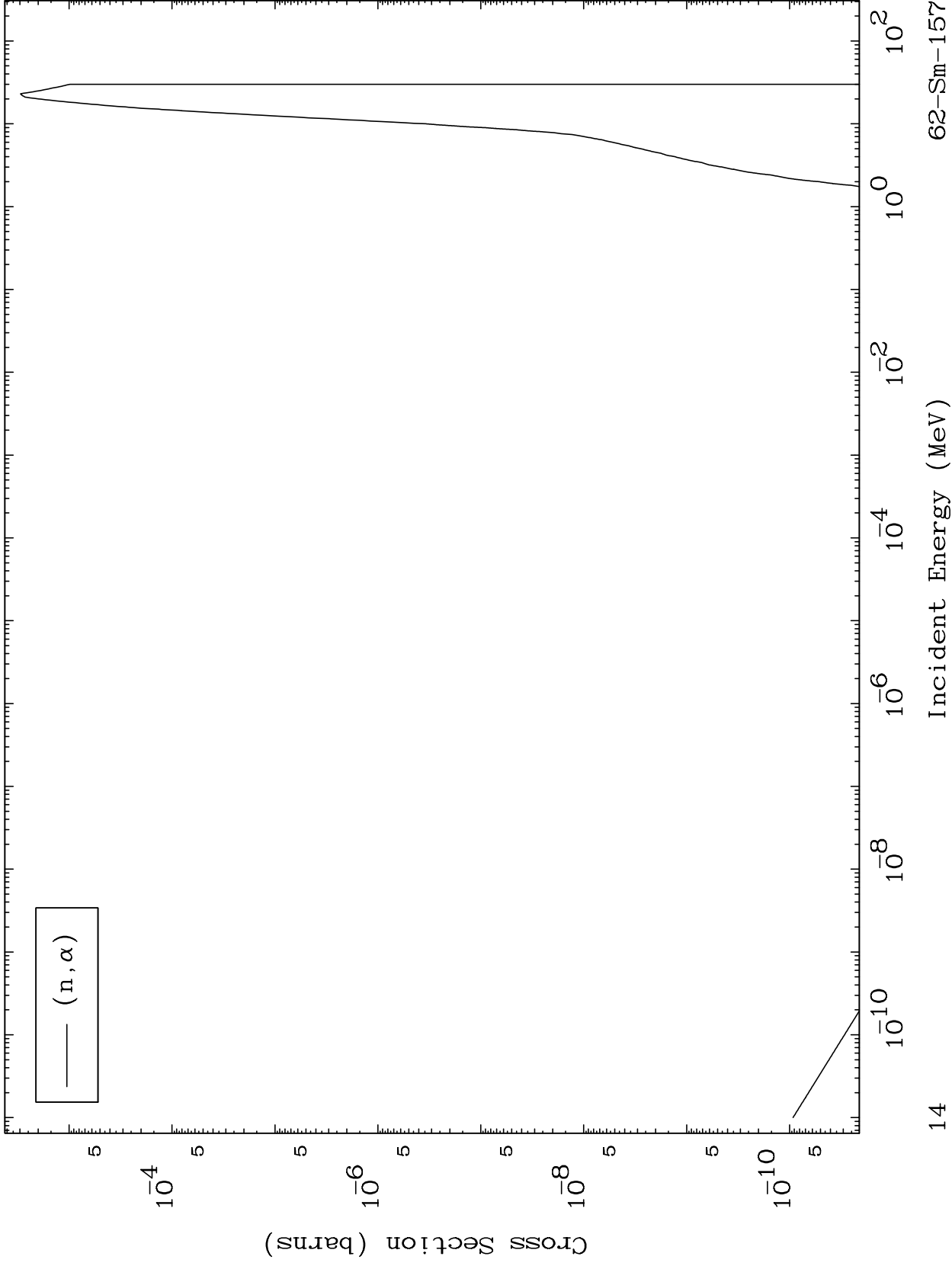
Incident Energy (MeV)

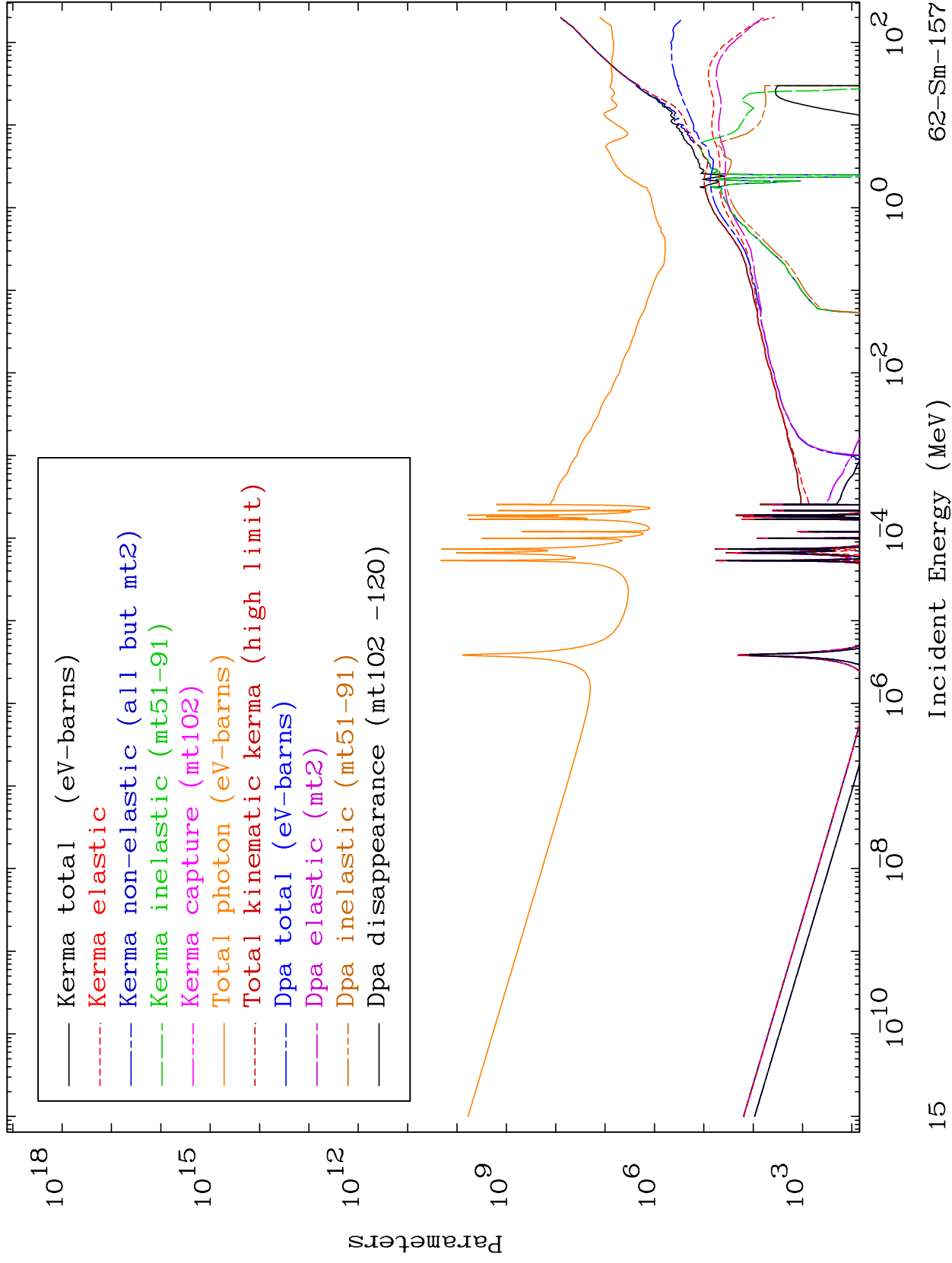
62-Sm-157

MAT 6264

(n, α) Levels
293 Kelvin Cross Sections

62-Sm-157

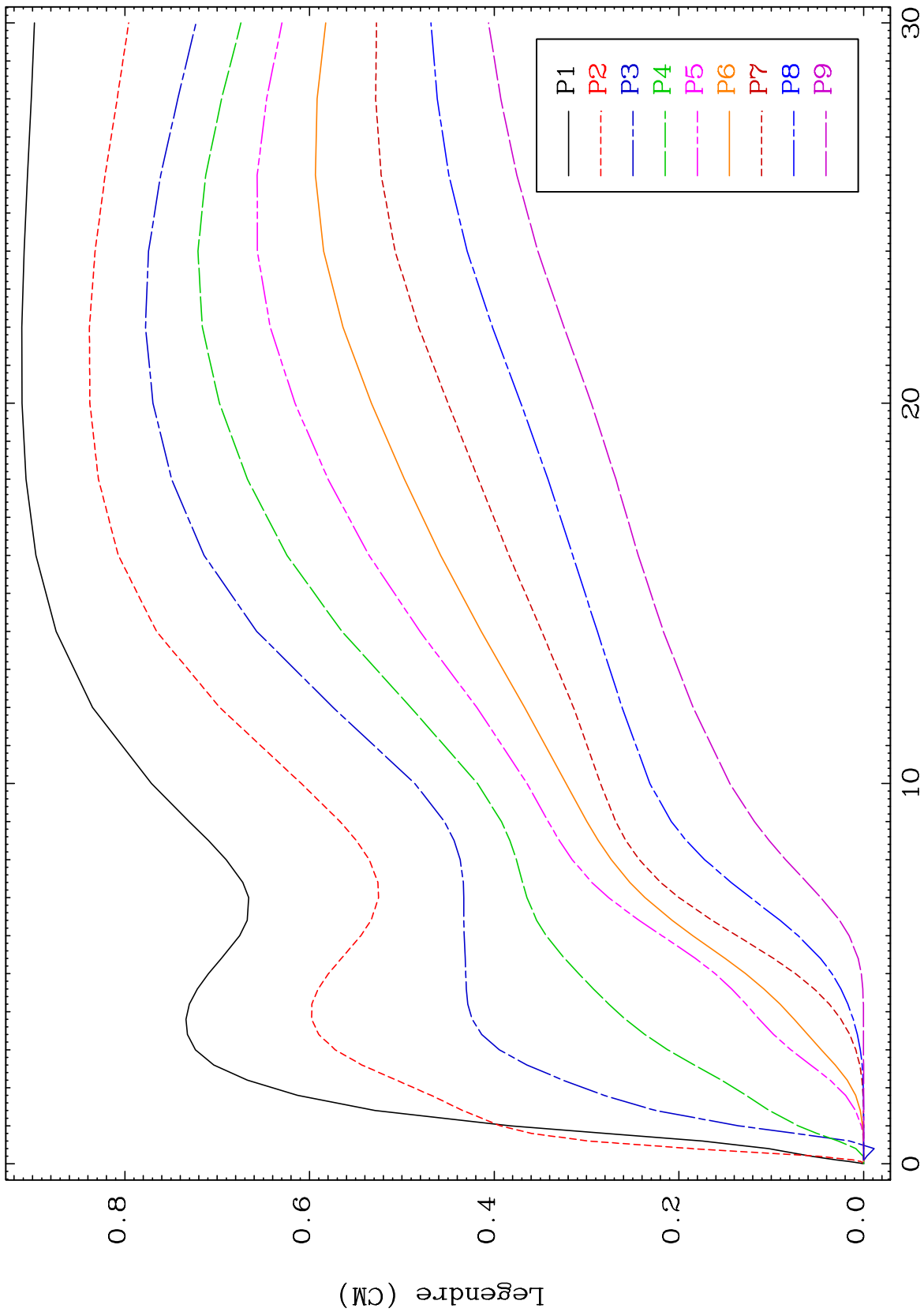




MAT 6264

Elastic Legendre Coefficients

62-Sm-157



16

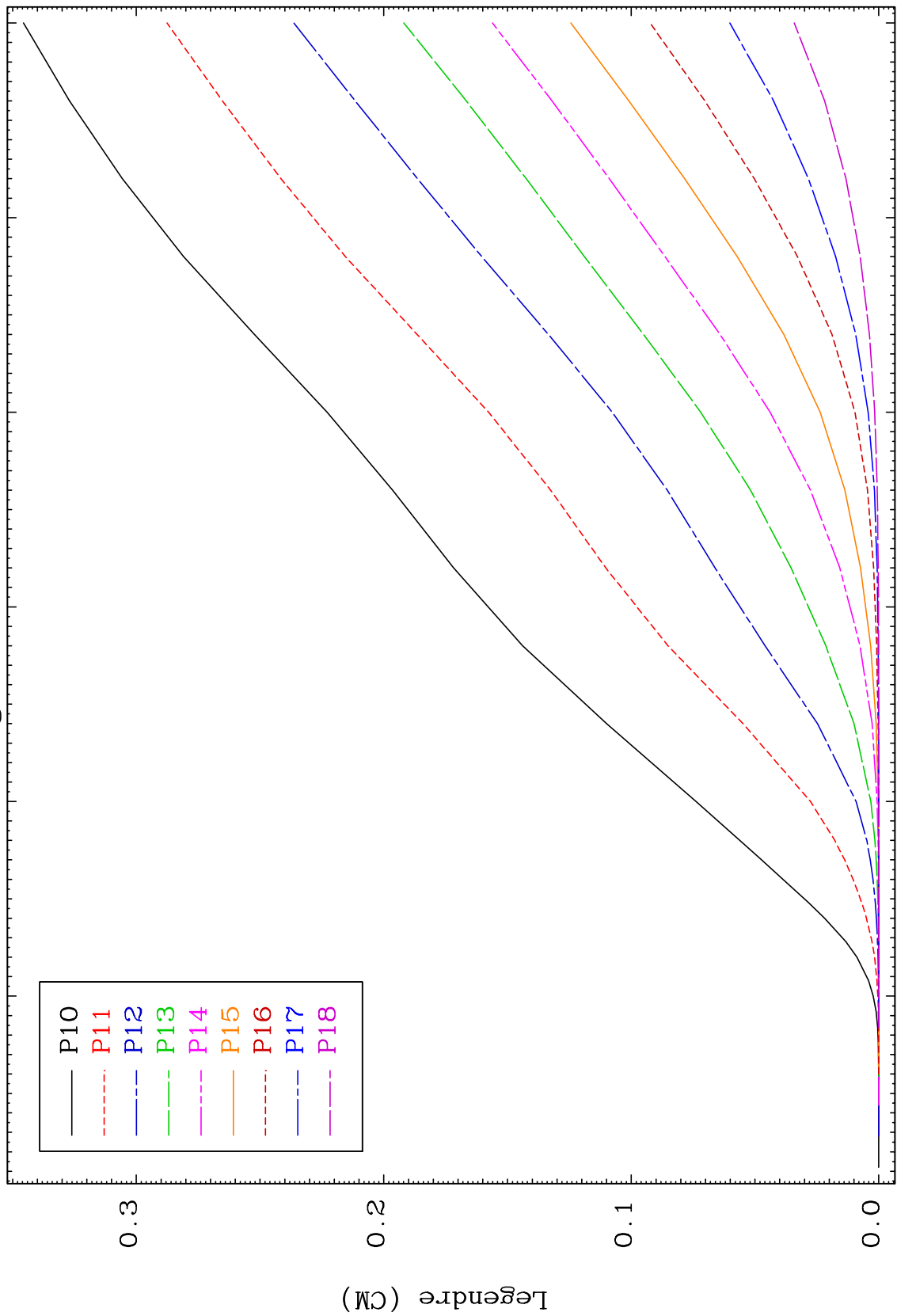
Incident Energy (MeV)

62-Sm-157

MAT 6264

Elastic Legendre Coefficients

⁶²Sm-157



17

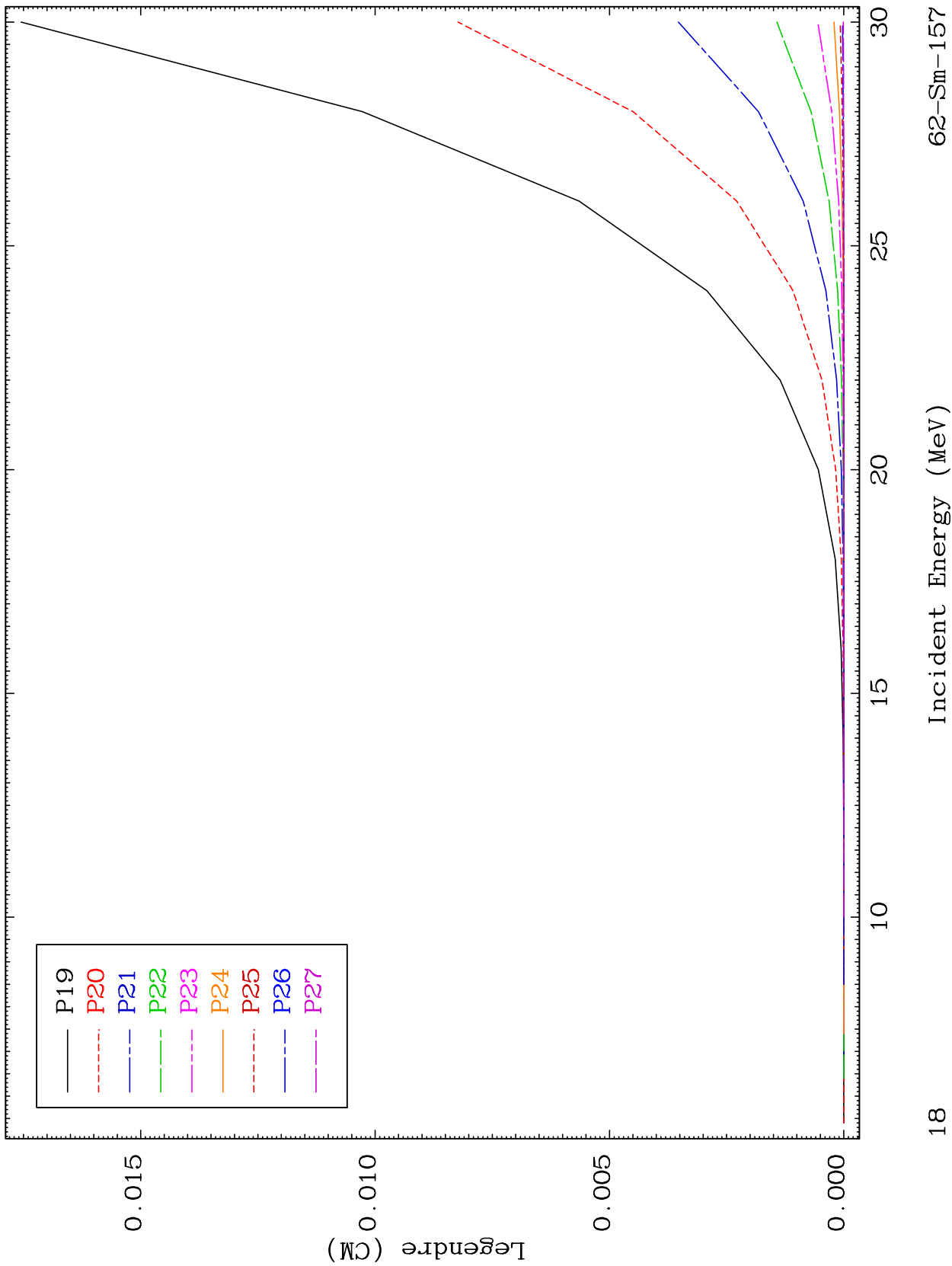
⁶²Sm-157

Incident Energy (MeV)

MAT 6264

Elastic Legendre Coefficients

62-Sm-157



18

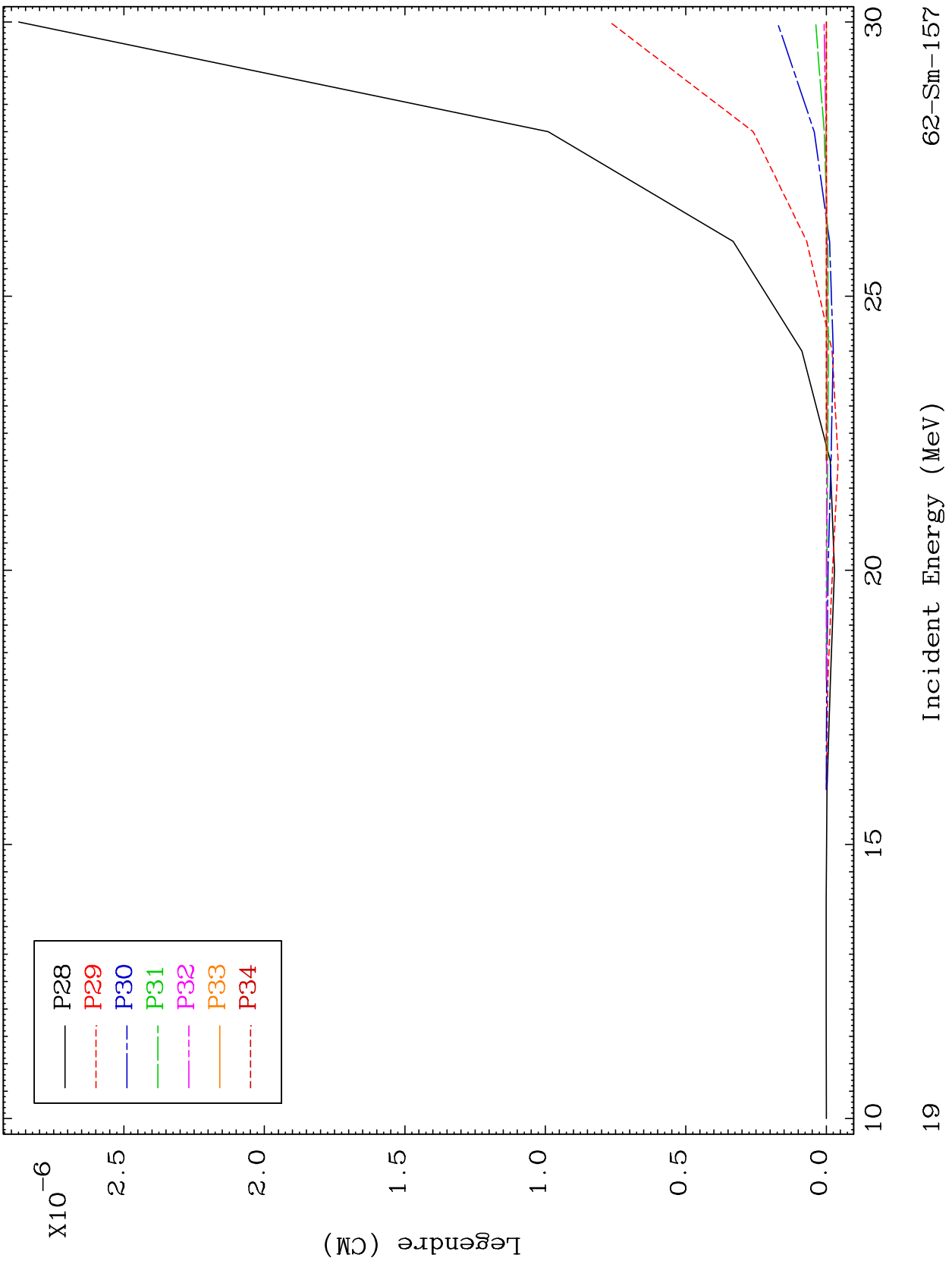
Incident Energy (MeV)

62-Sm-157

MAT 6264

Elastic Legendre Coefficients

62-Sm-157



62-Sm-157

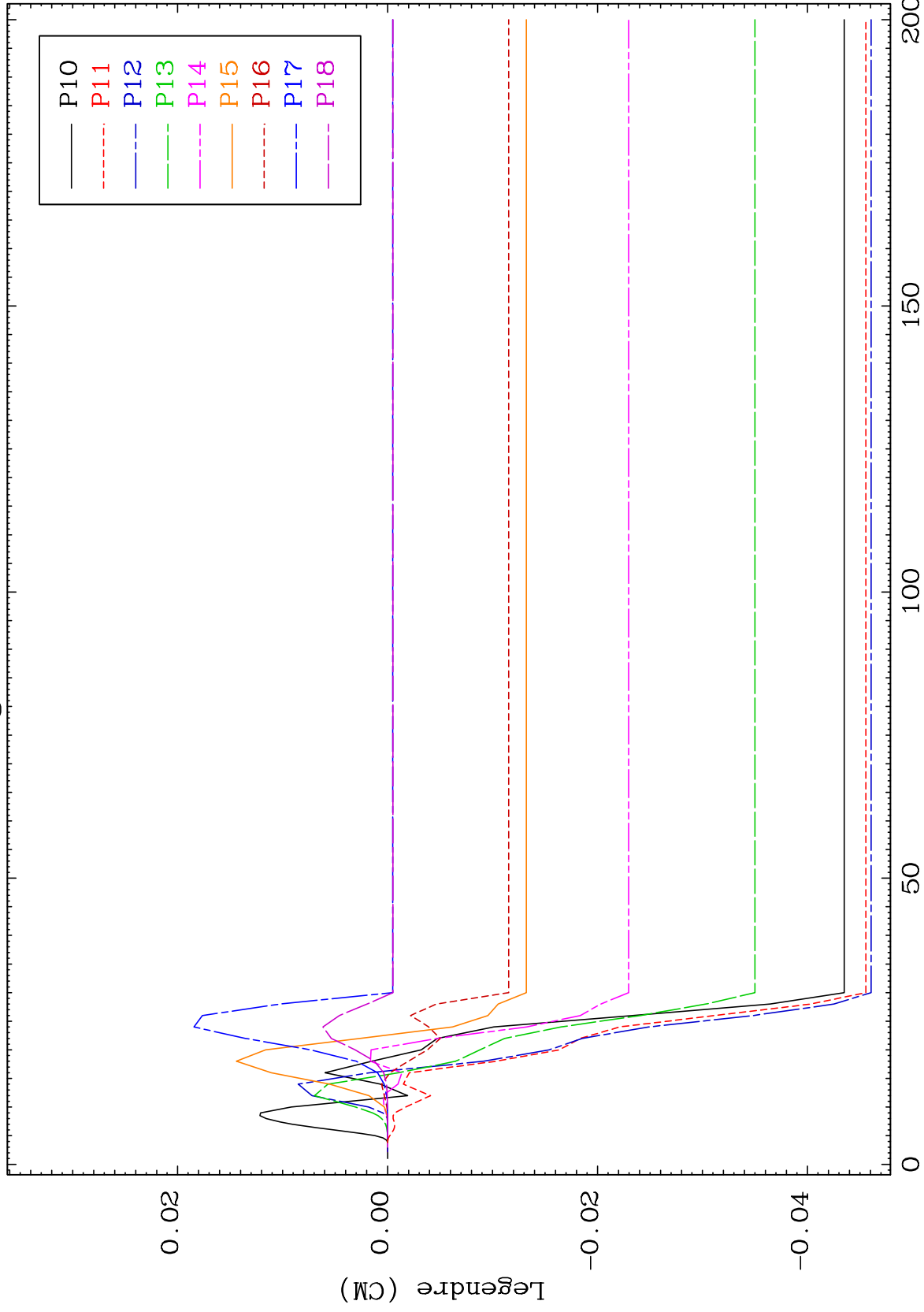
Incident Energy (MeV)

19

MAT 6264

52.39 keV (n,n') Level
Legendre Coefficients

62-Sm-157



21

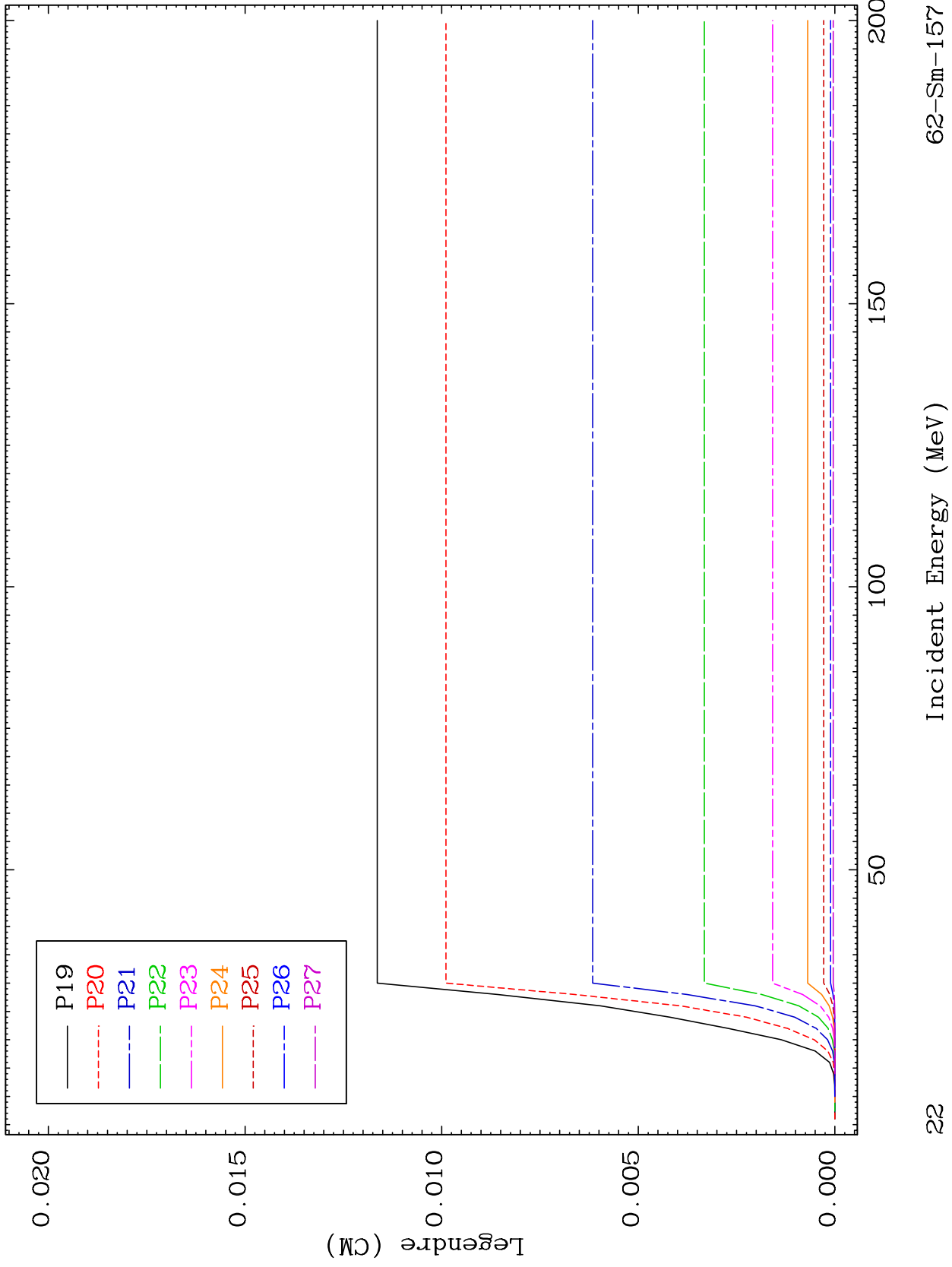
Incident Energy (MeV)

62-Sm-157

MAT 6264

52.39 keV (n,n') Level
Legendre Coefficients

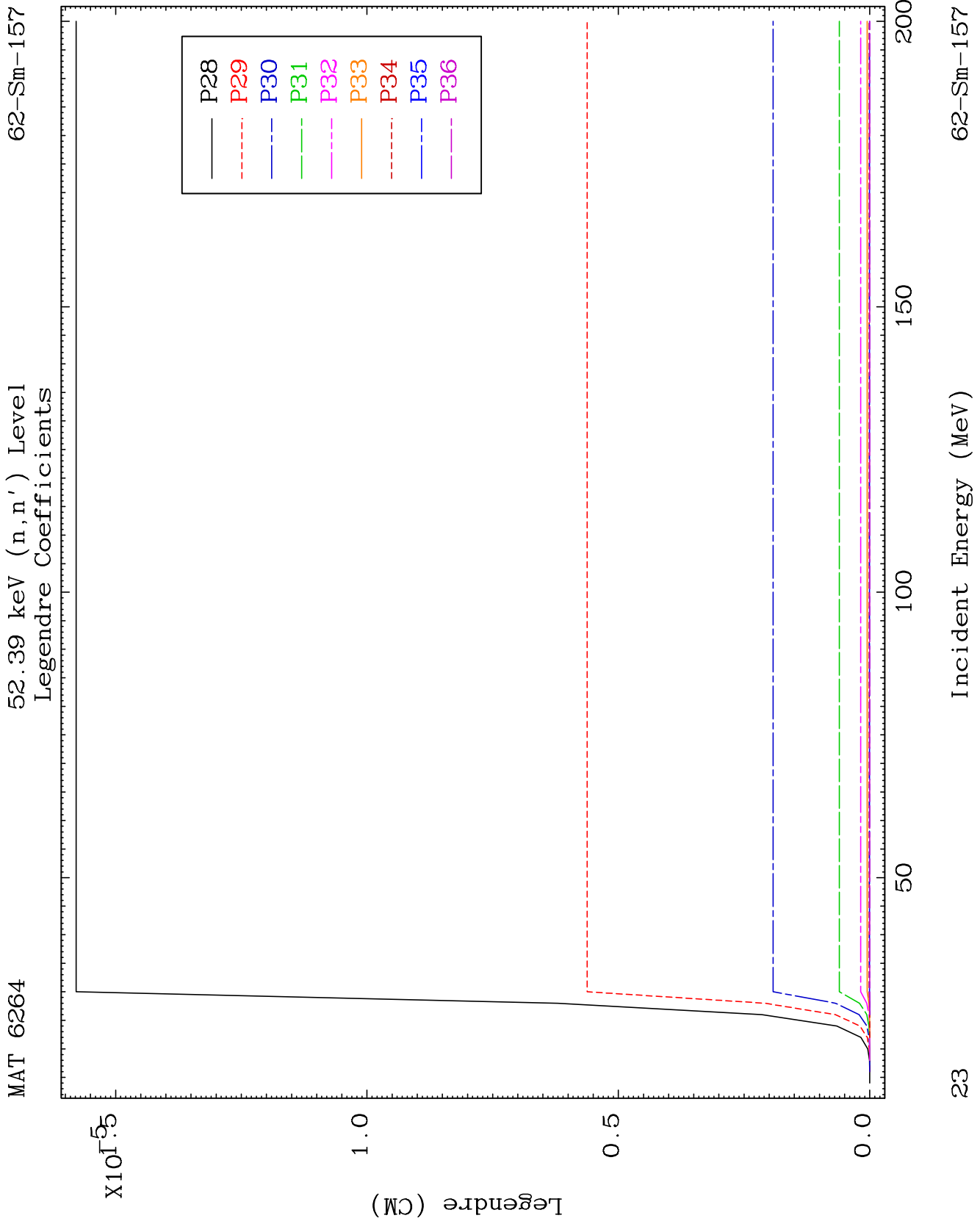
62-Sm-157



22

Incident Energy (MeV)

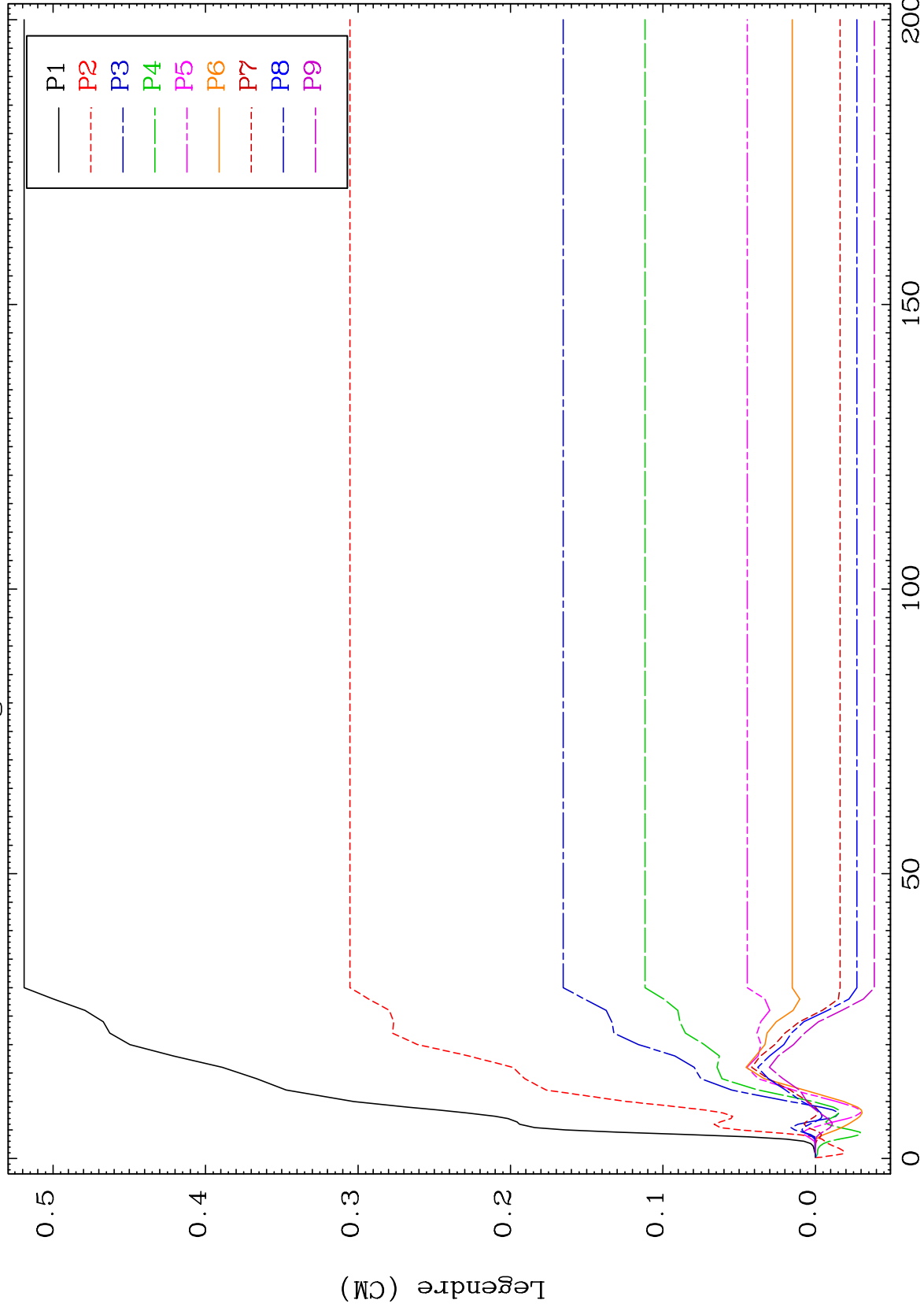
62-Sm-157



MAT 6264

125.7 keV (n,n') Level
Legendre Coefficients

62-Sm-157



24

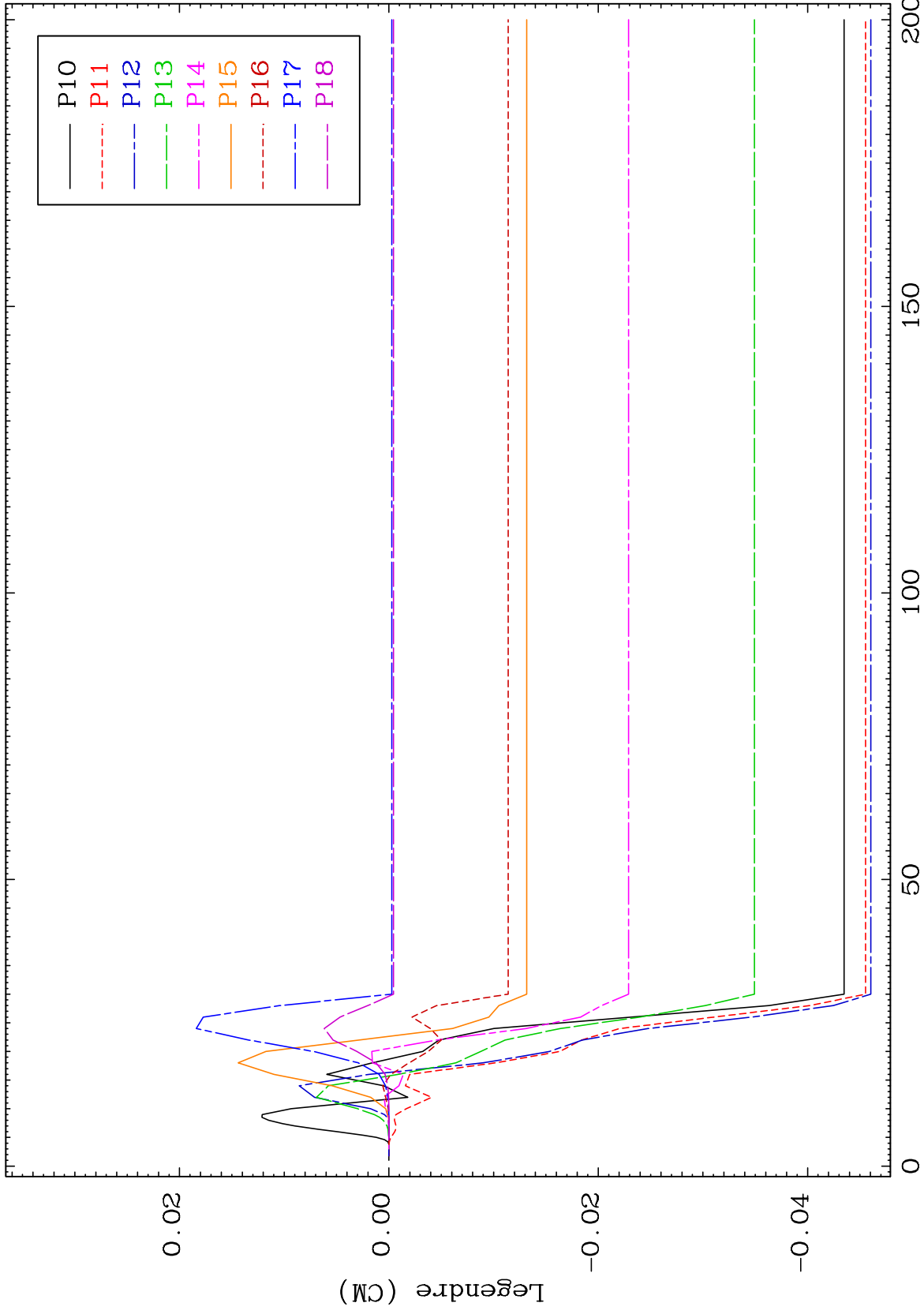
Incident Energy (MeV)

62-Sm-157

MAT 6264

125.7 keV (n,n') Level
Legendre Coefficients

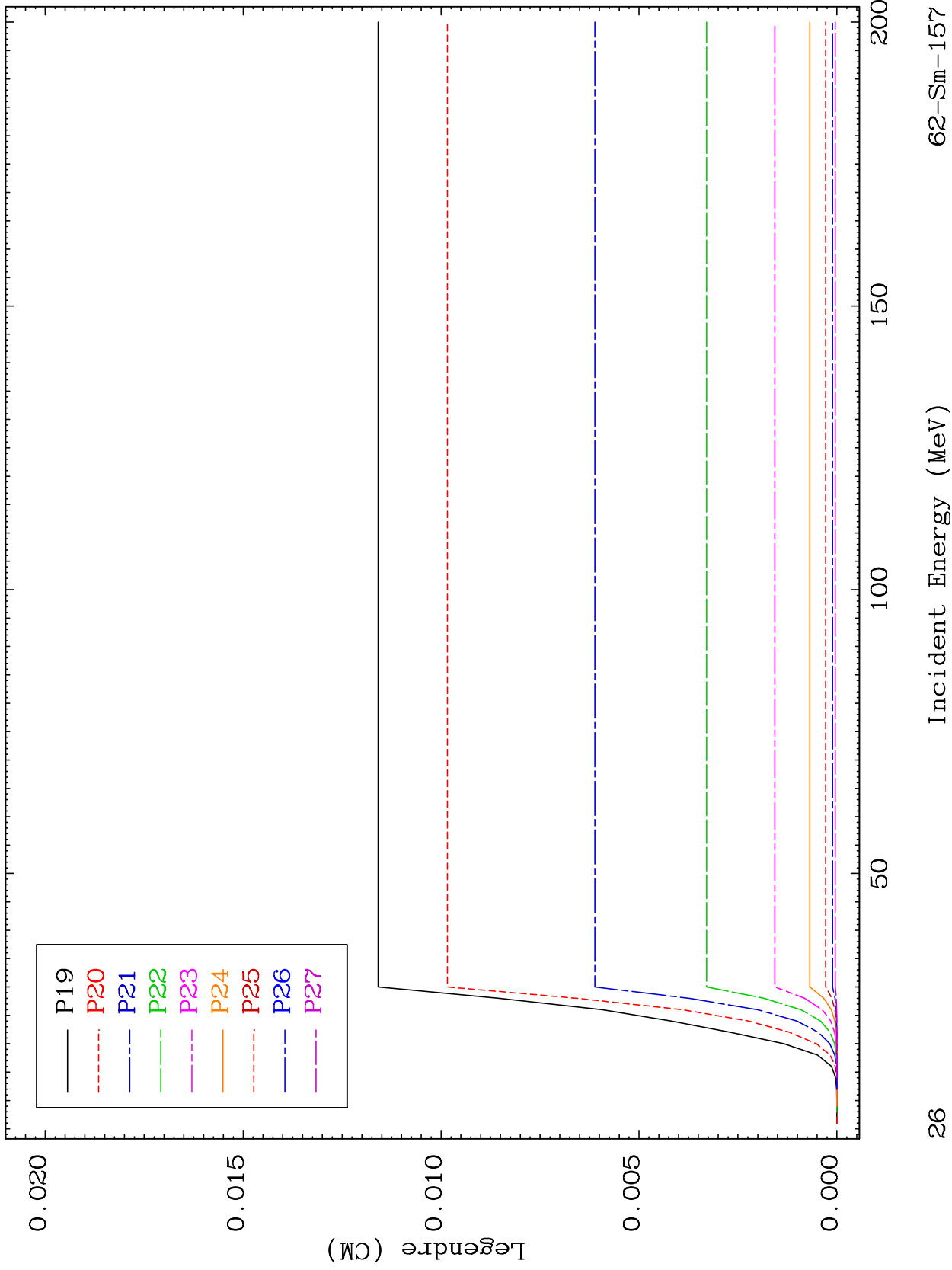
62-Sm-157



25

Incident Energy (MeV)

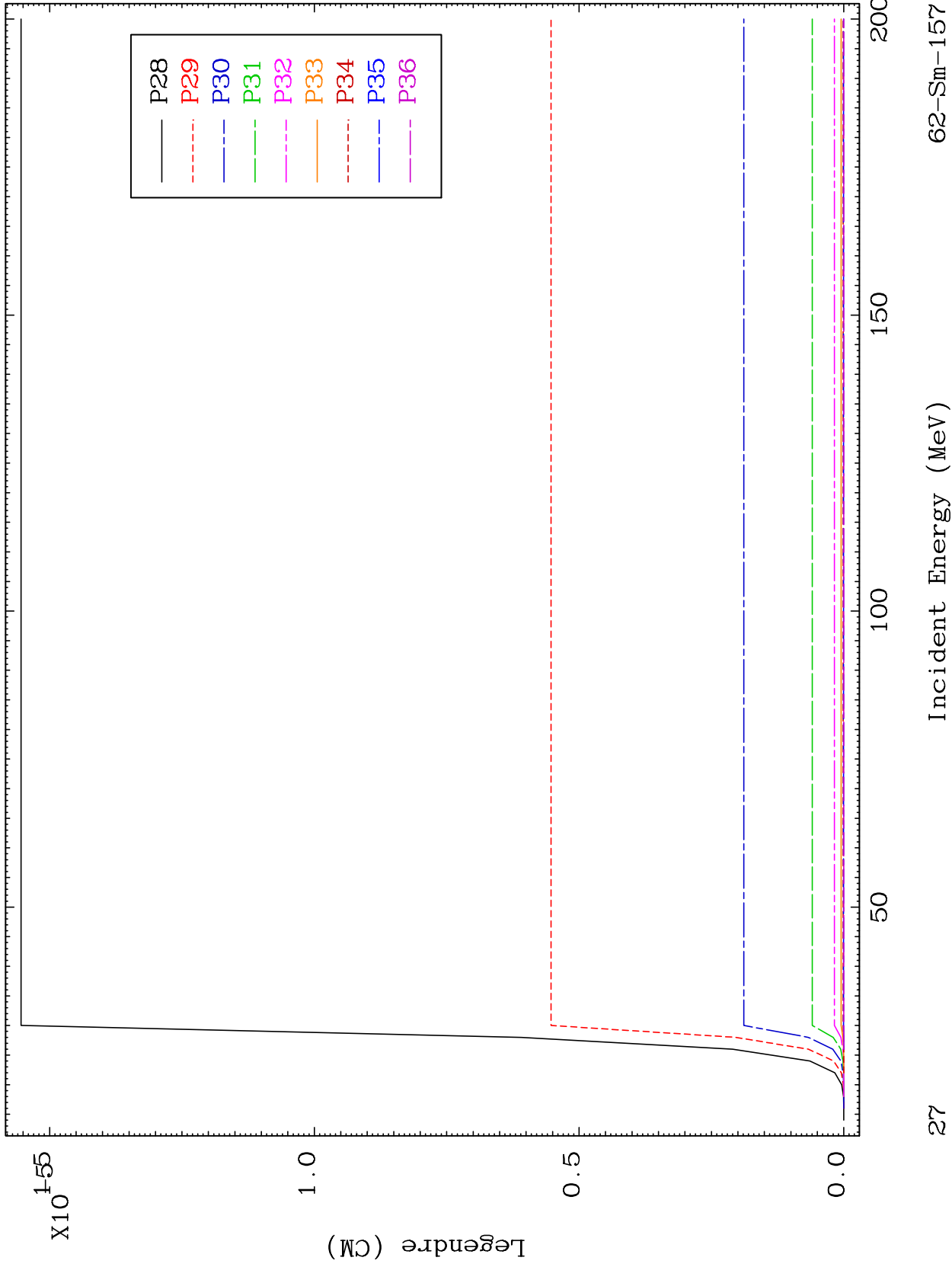
62-Sm-157



MAT 6264

125.7 keV (n,n') Level
Legendre Coefficients

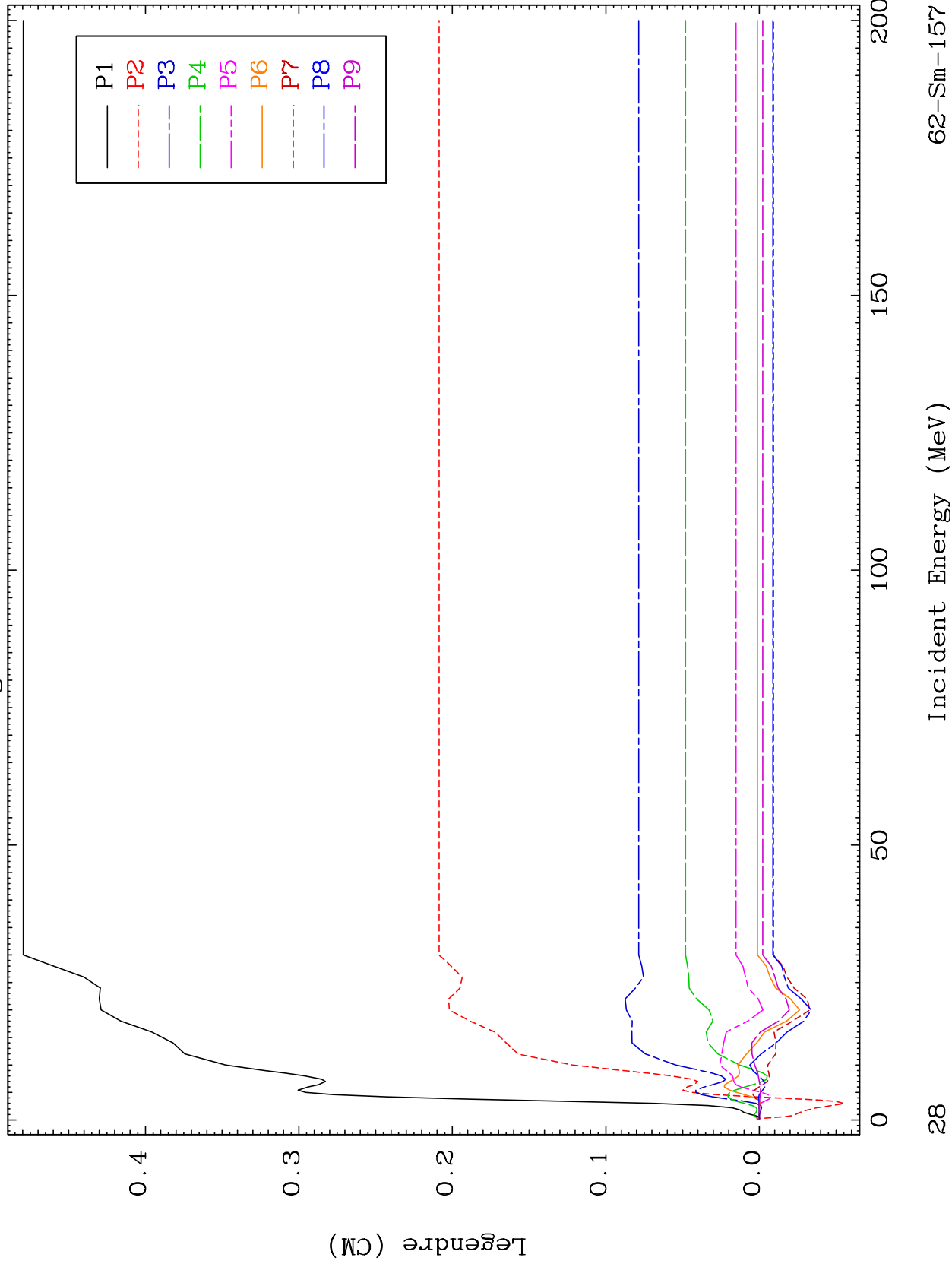
62-Sm-157



MAT 6264

160.6 keV (n,n') Level
Legendre Coefficients

62-Sm-157



62-Sm-157

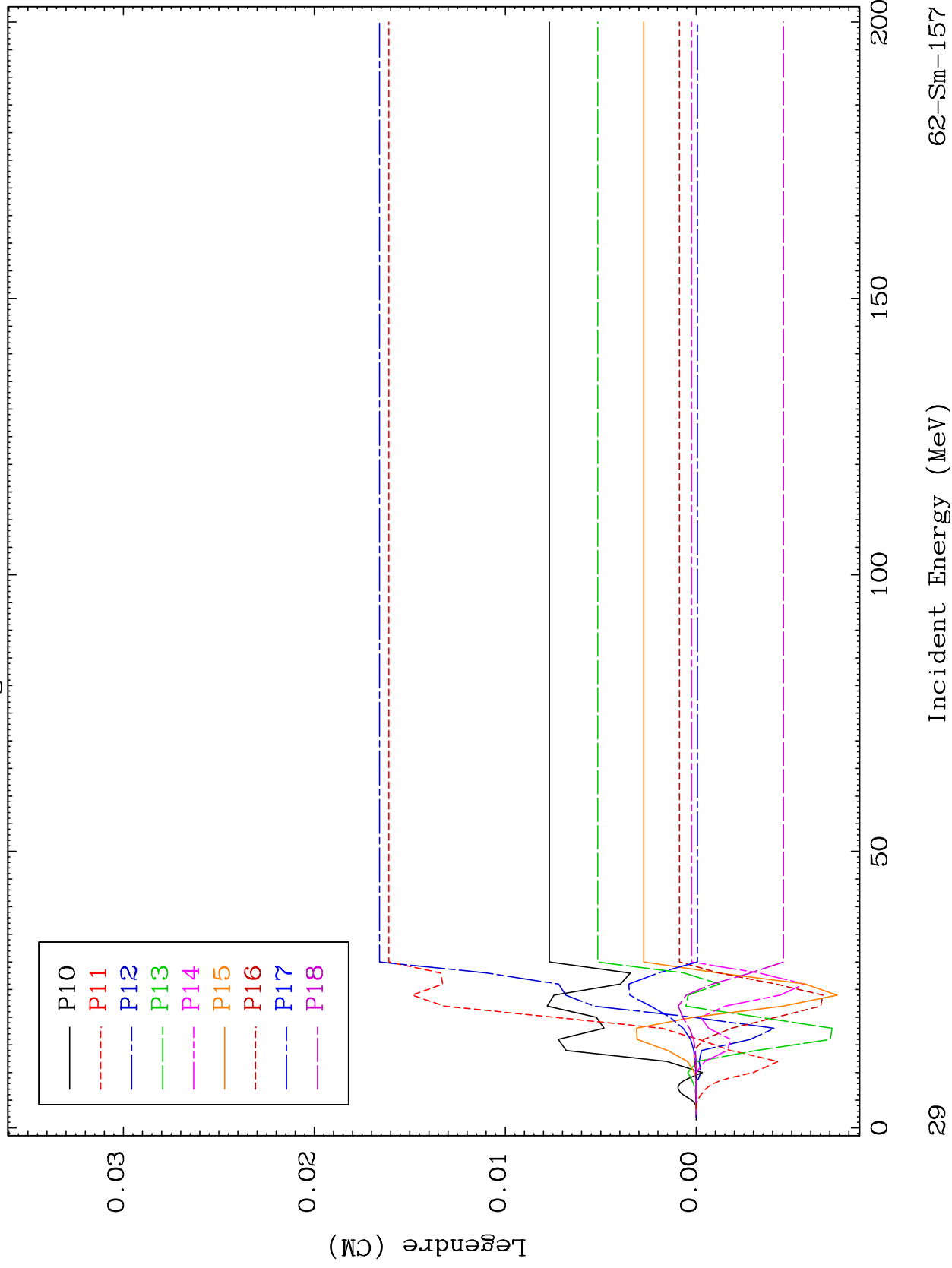
Incident Energy (MeV)

28

MAT 6264

160.6 keV (n,n') Level
Legendre Coefficients

62-Sm-157



29

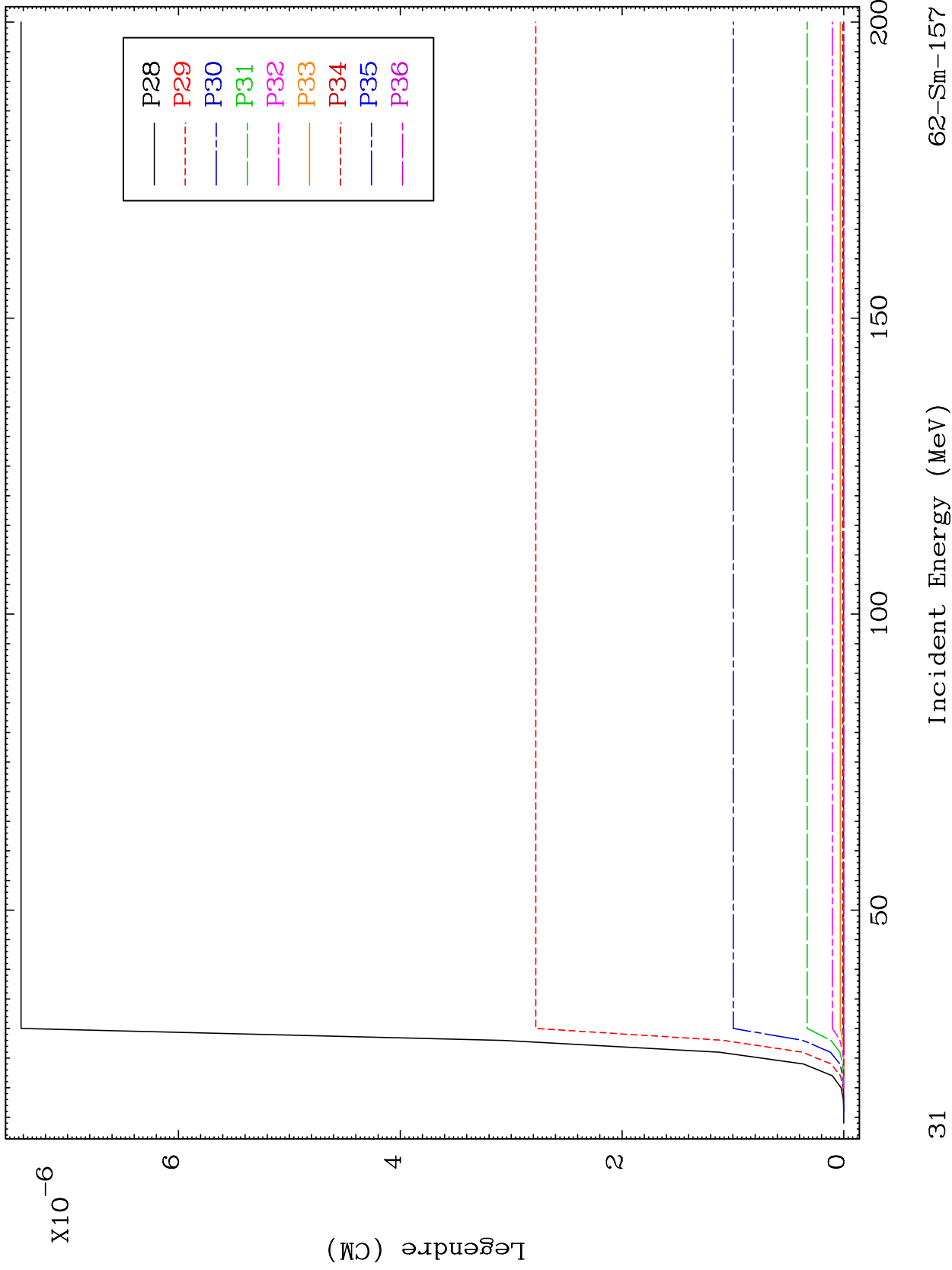
Incident Energy (MeV)

62-Sm-157

MAT 6264

160.6 keV (n,n') Level
Legendre Coefficients

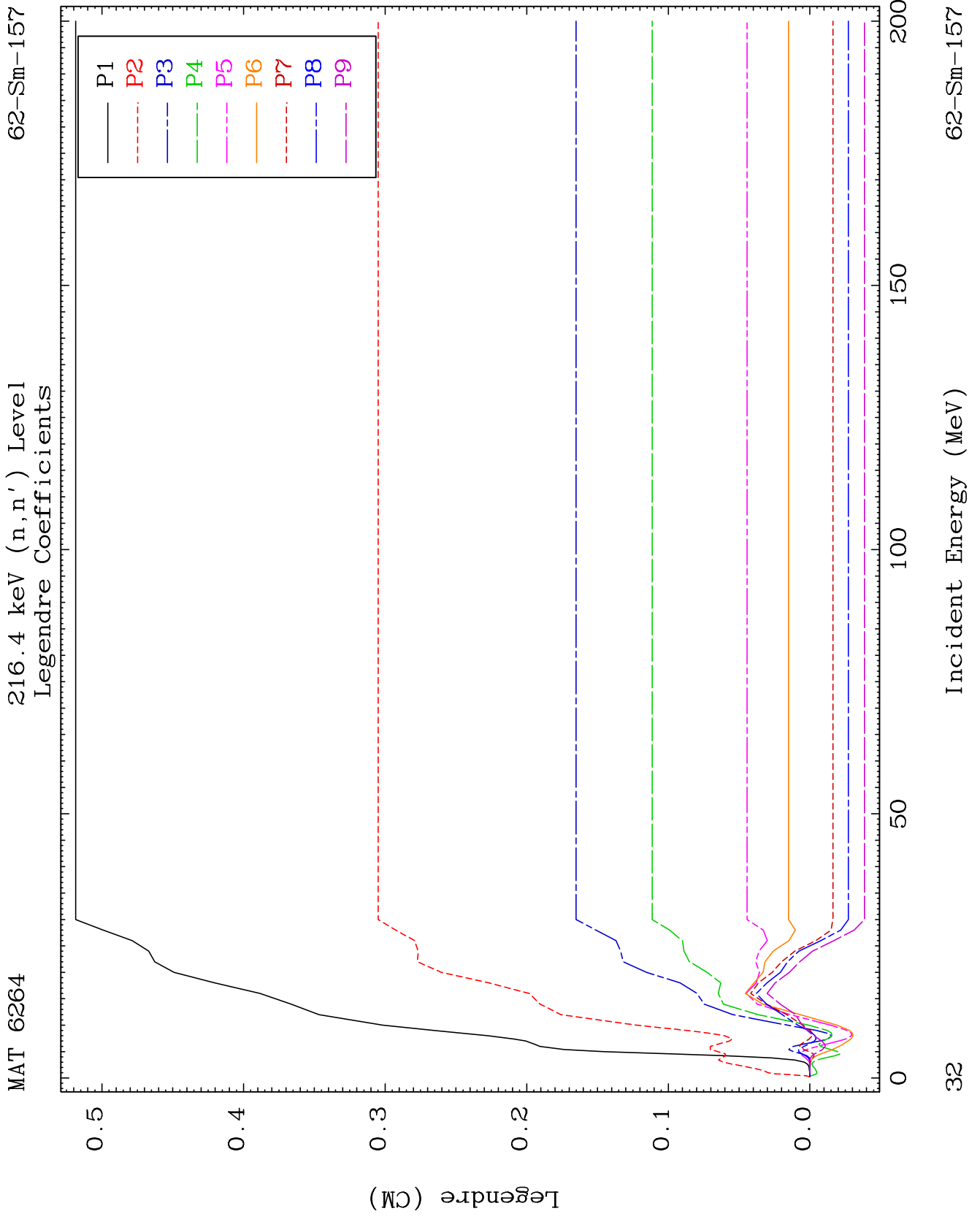
62-Sm-157



31

Incident Energy (MeV)

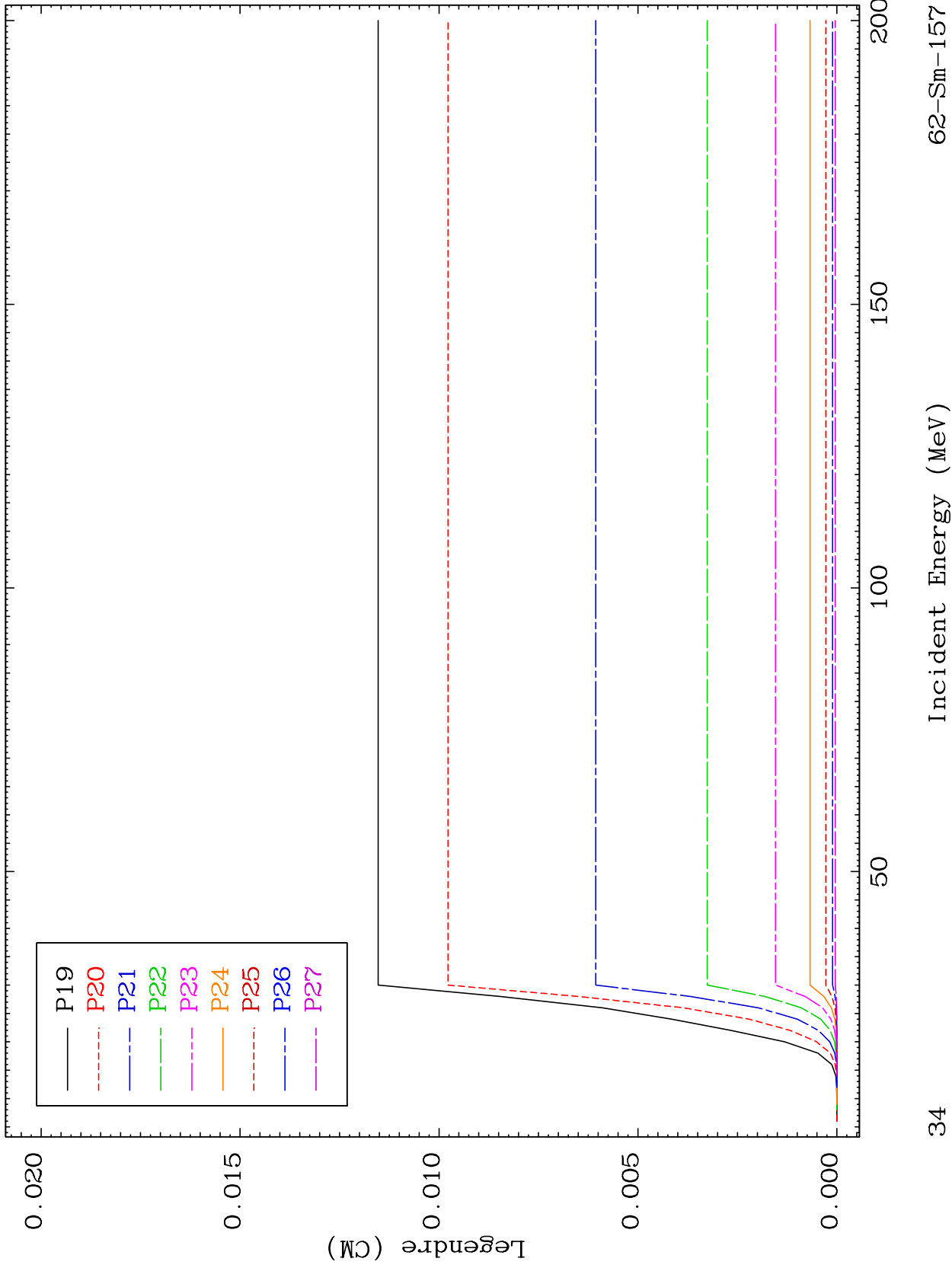
62-Sm-157



MAT 6264

216.4 keV (n,n') Level
Legendre Coefficients

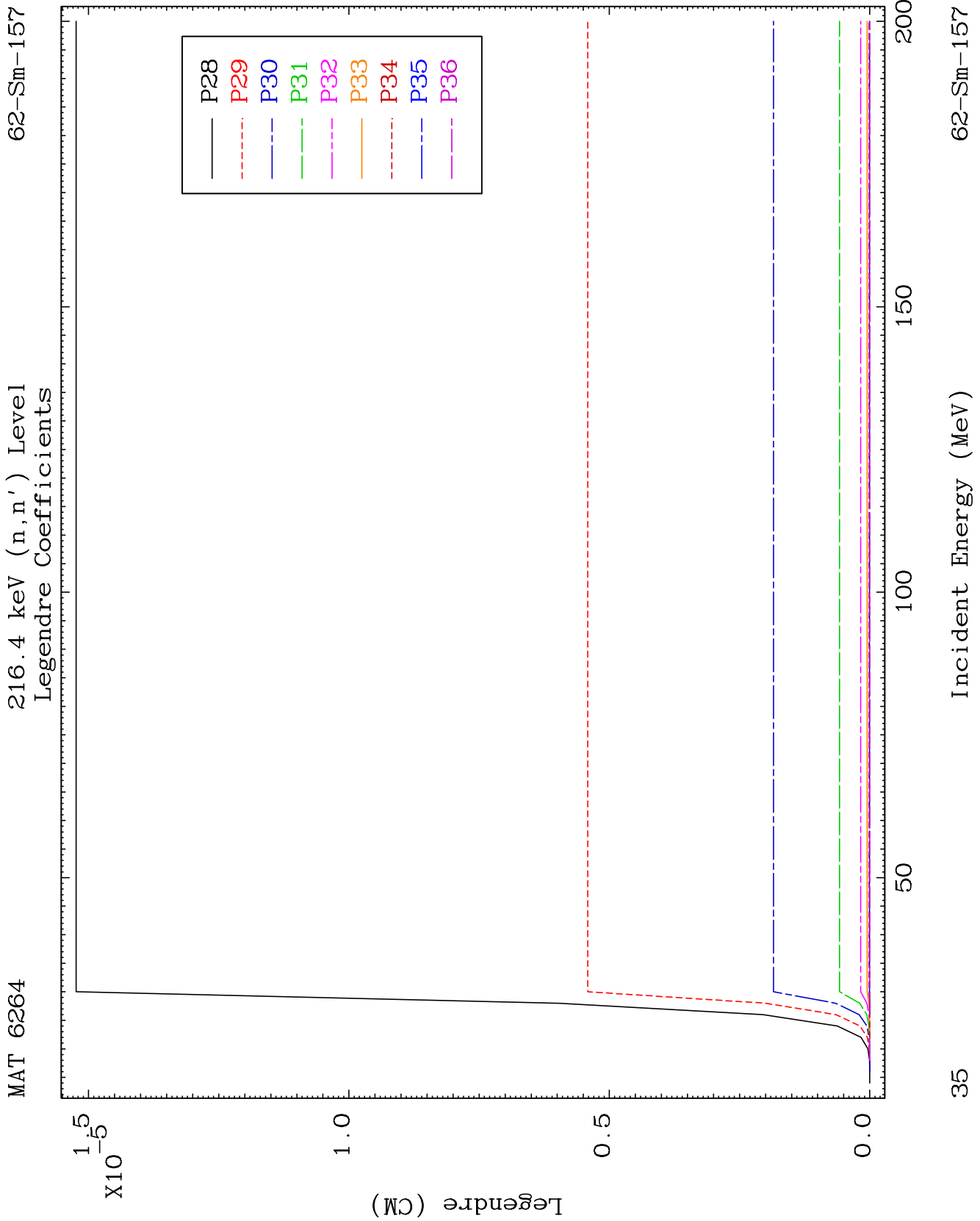
62-Sm-157



34

Incident Energy (MeV)

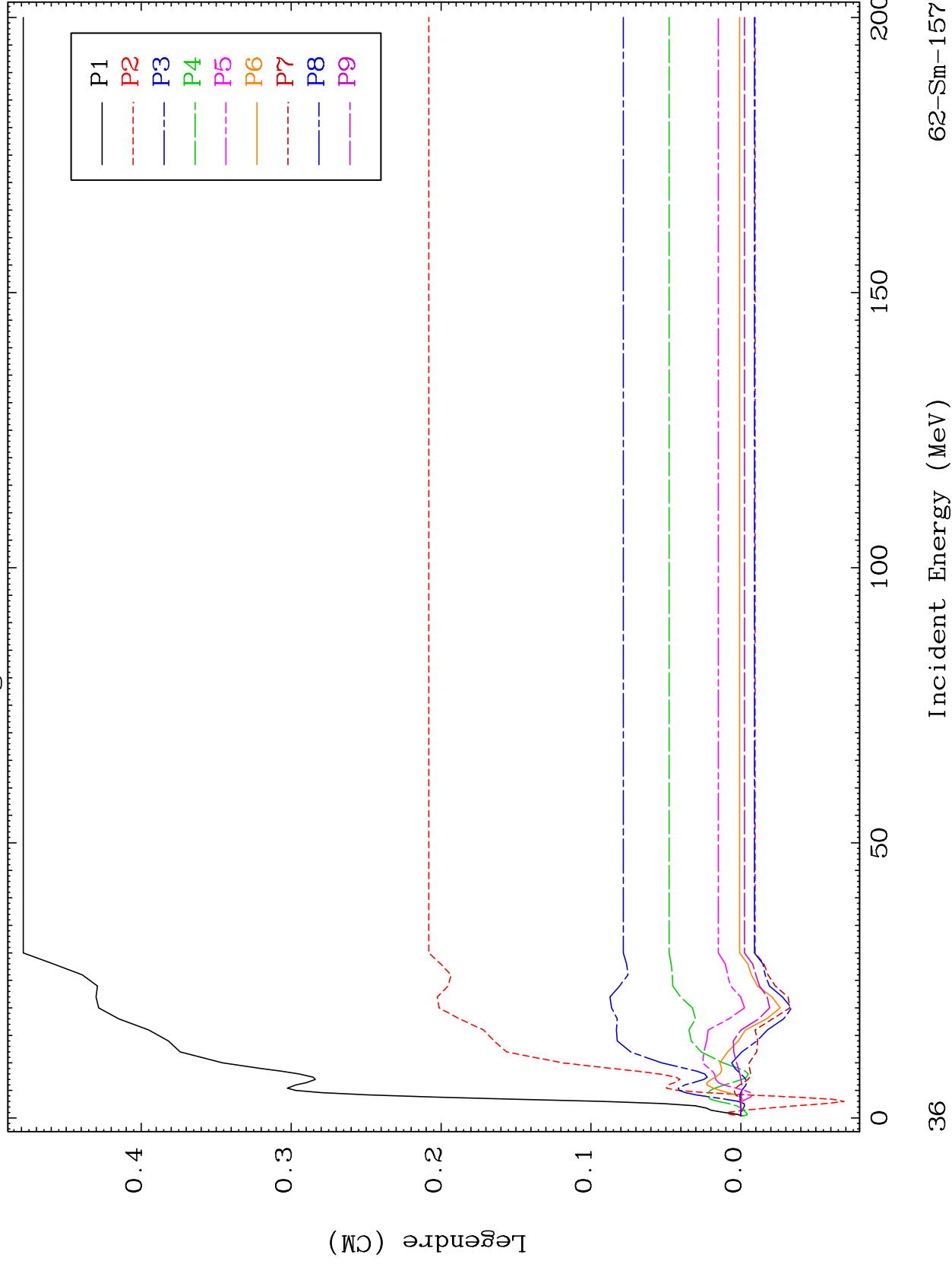
62-Sm-157



MAT 6264

348.6 keV (n,n') Level
Legendre Coefficients

62-Sm-157



36

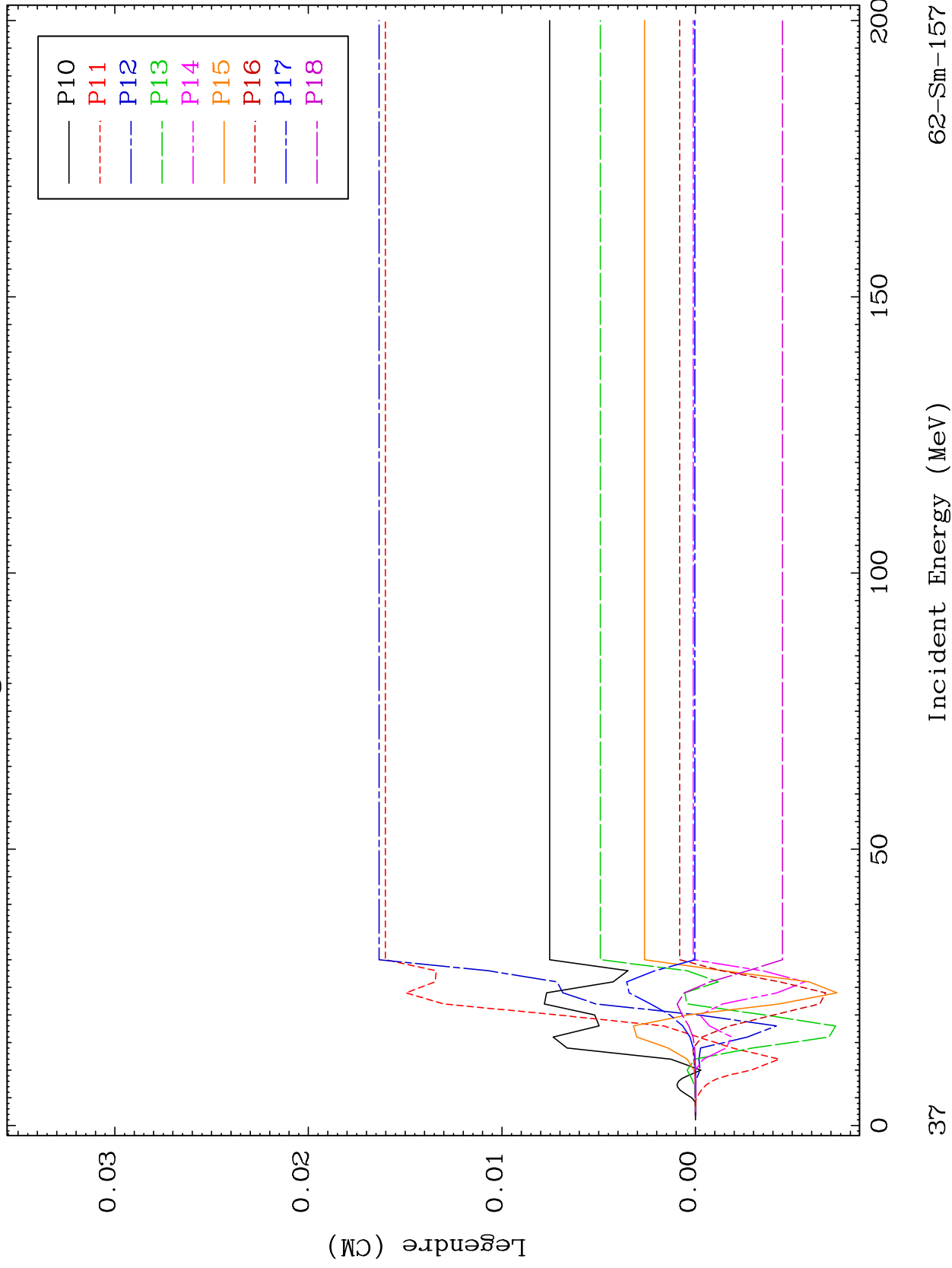
Incident Energy (MeV)

62-Sm-157

MAT 6264

348.6 keV (n,n') Level
Legendre Coefficients

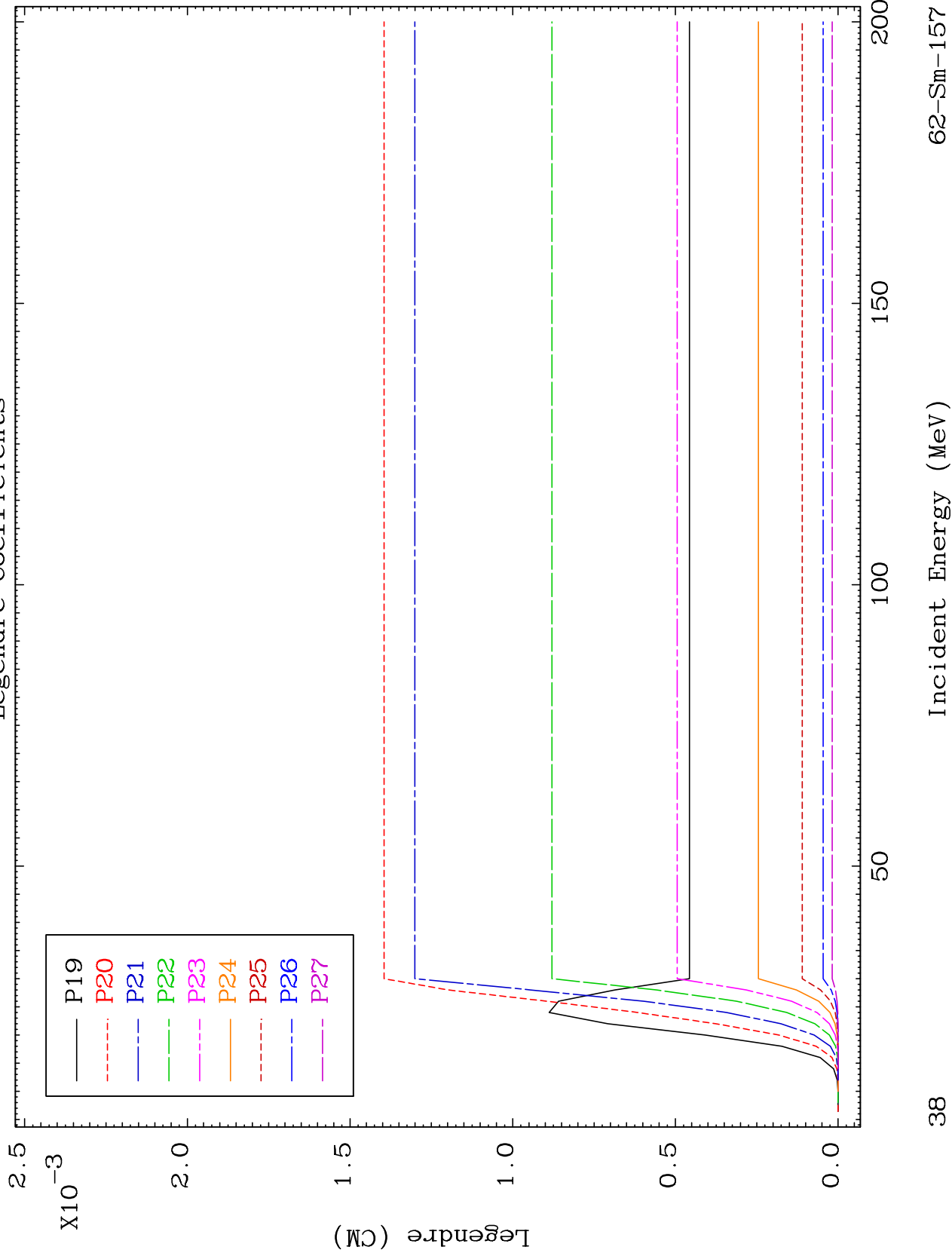
62-Sm-157



37

Incident Energy (MeV)

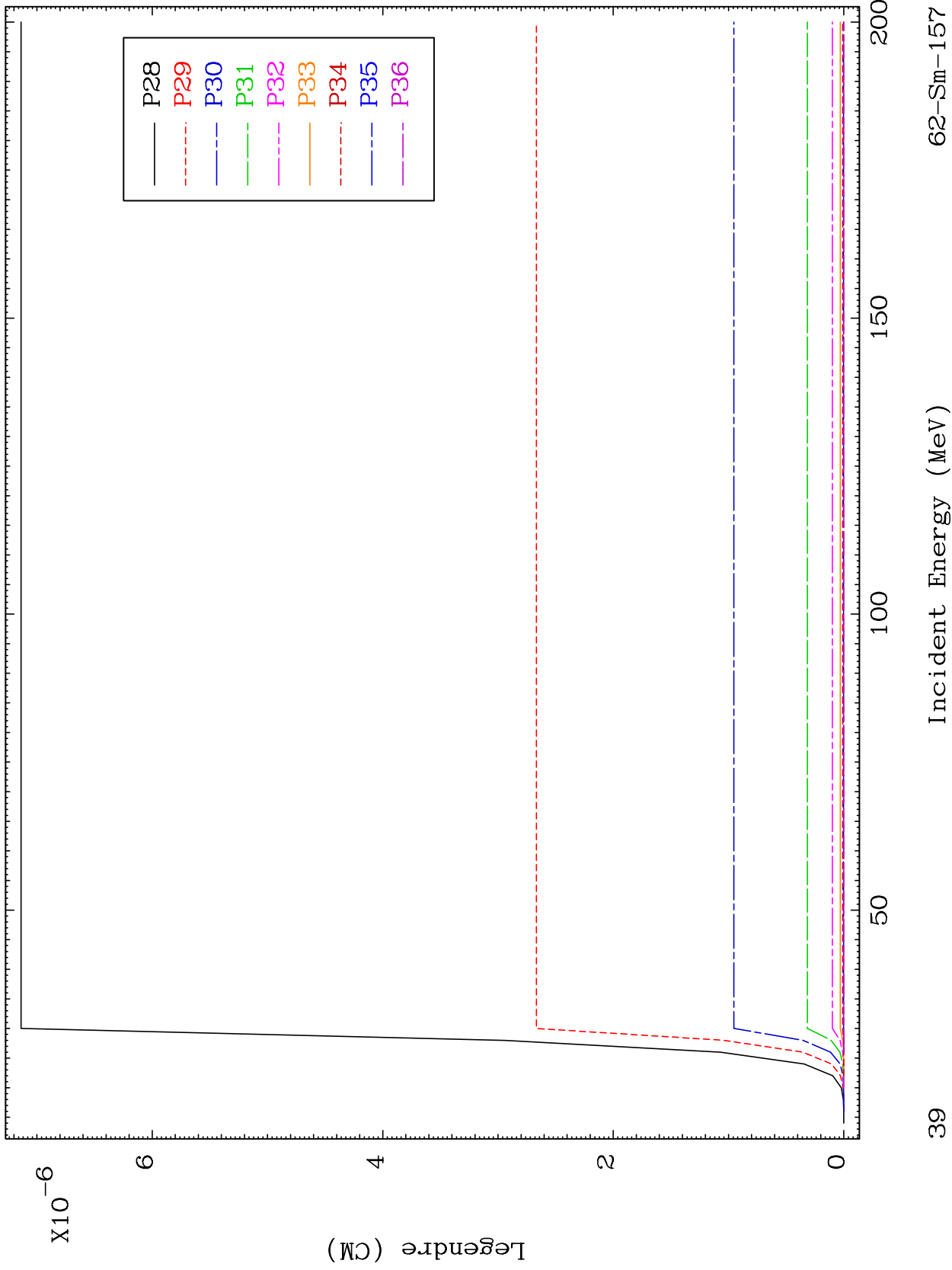
62-Sm-157



MAT 6264

348.6 keV (n,n') Level
Legendre Coefficients

62-Sm-157



39

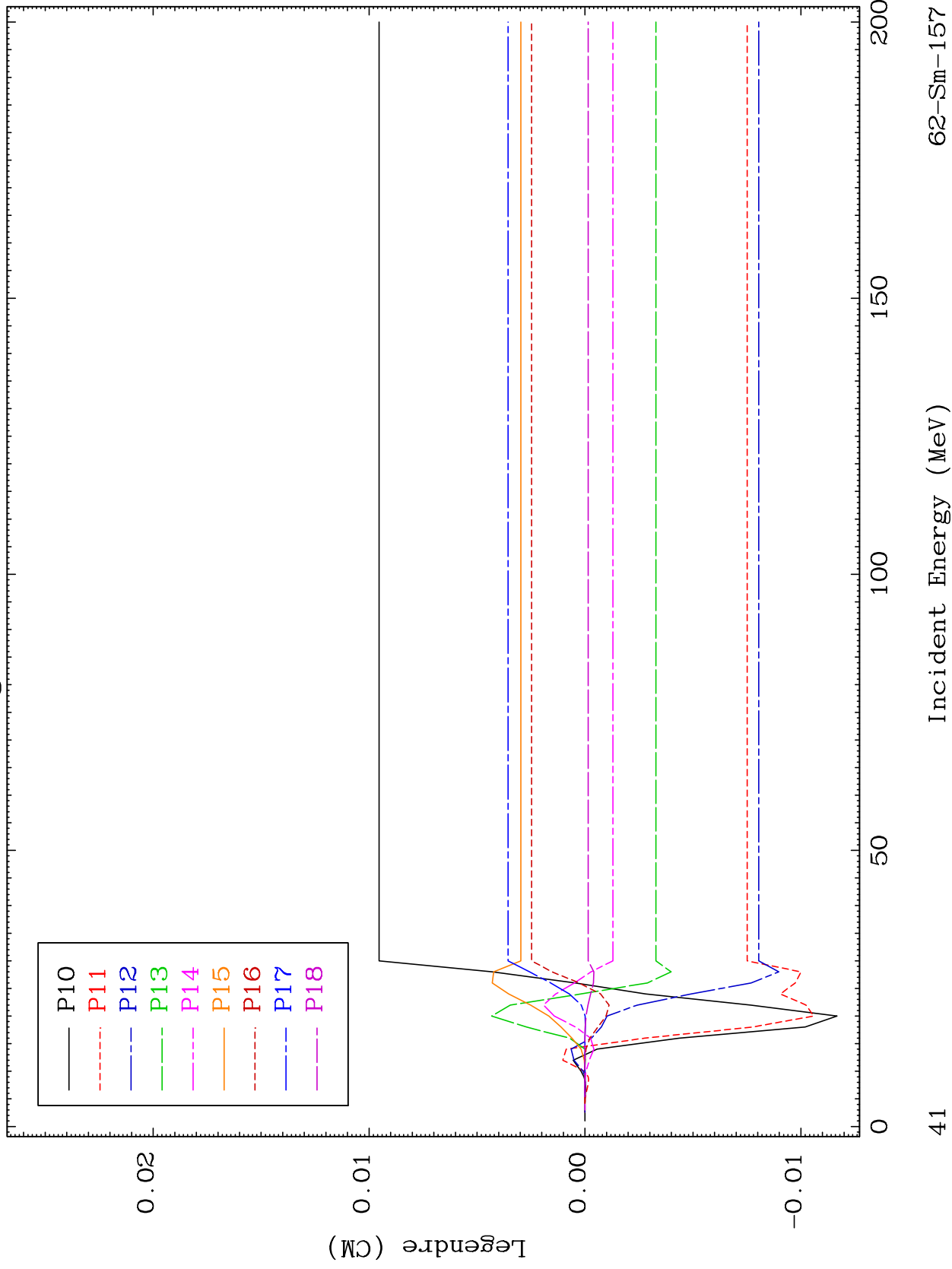
Incident Energy (MeV)

62-Sm-157

MAT 6264

353.8 keV (n,n') Level
Legendre Coefficients

62-Sm-157



41

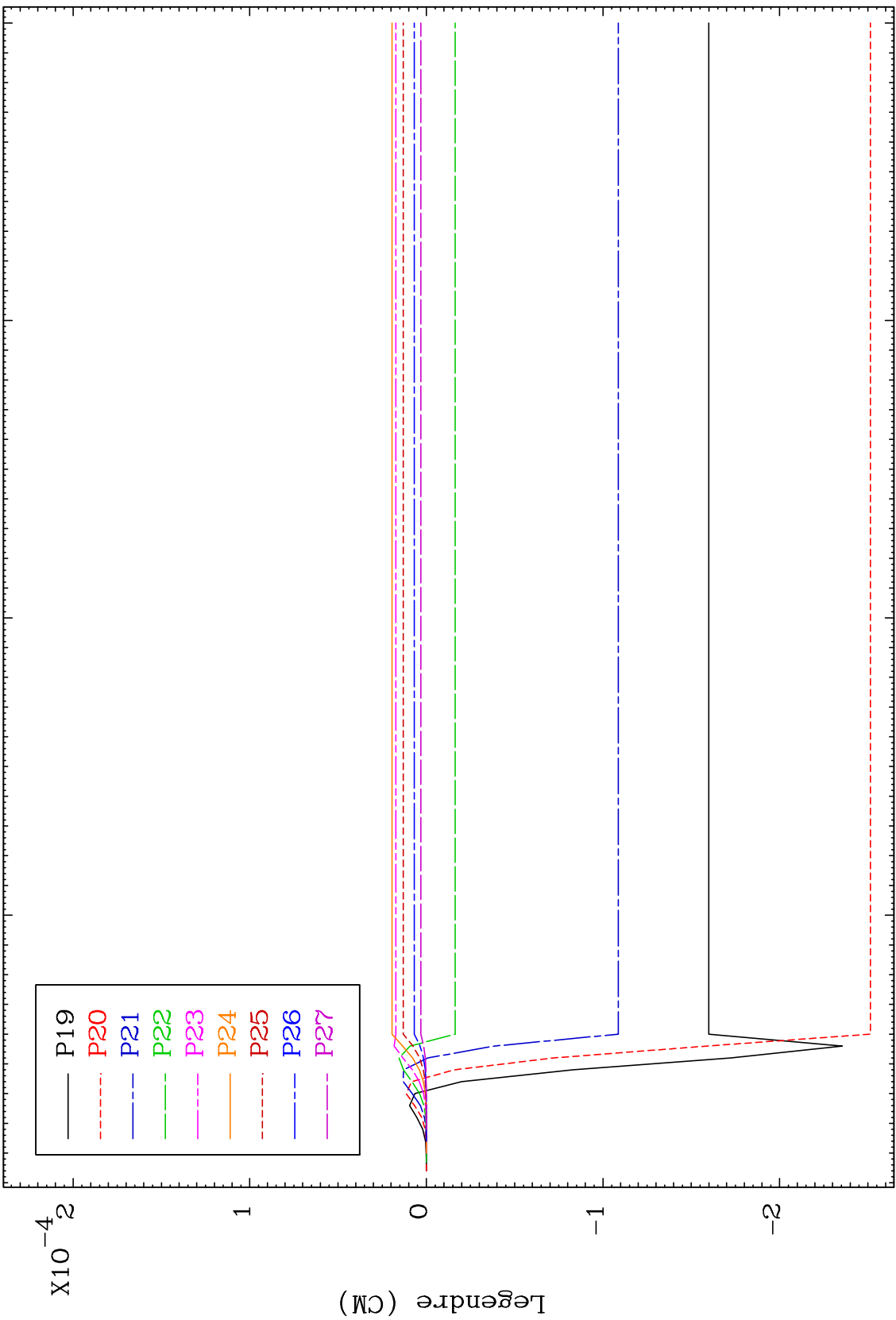
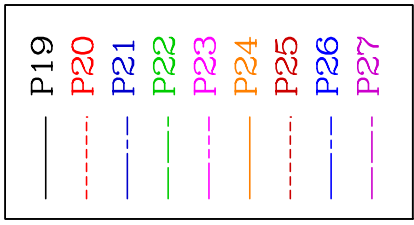
Incident Energy (MeV)

62-Sm-157

MAT 6264

353.8 keV (n,n') Level
Legendre Coefficients

62-Sm-157



42

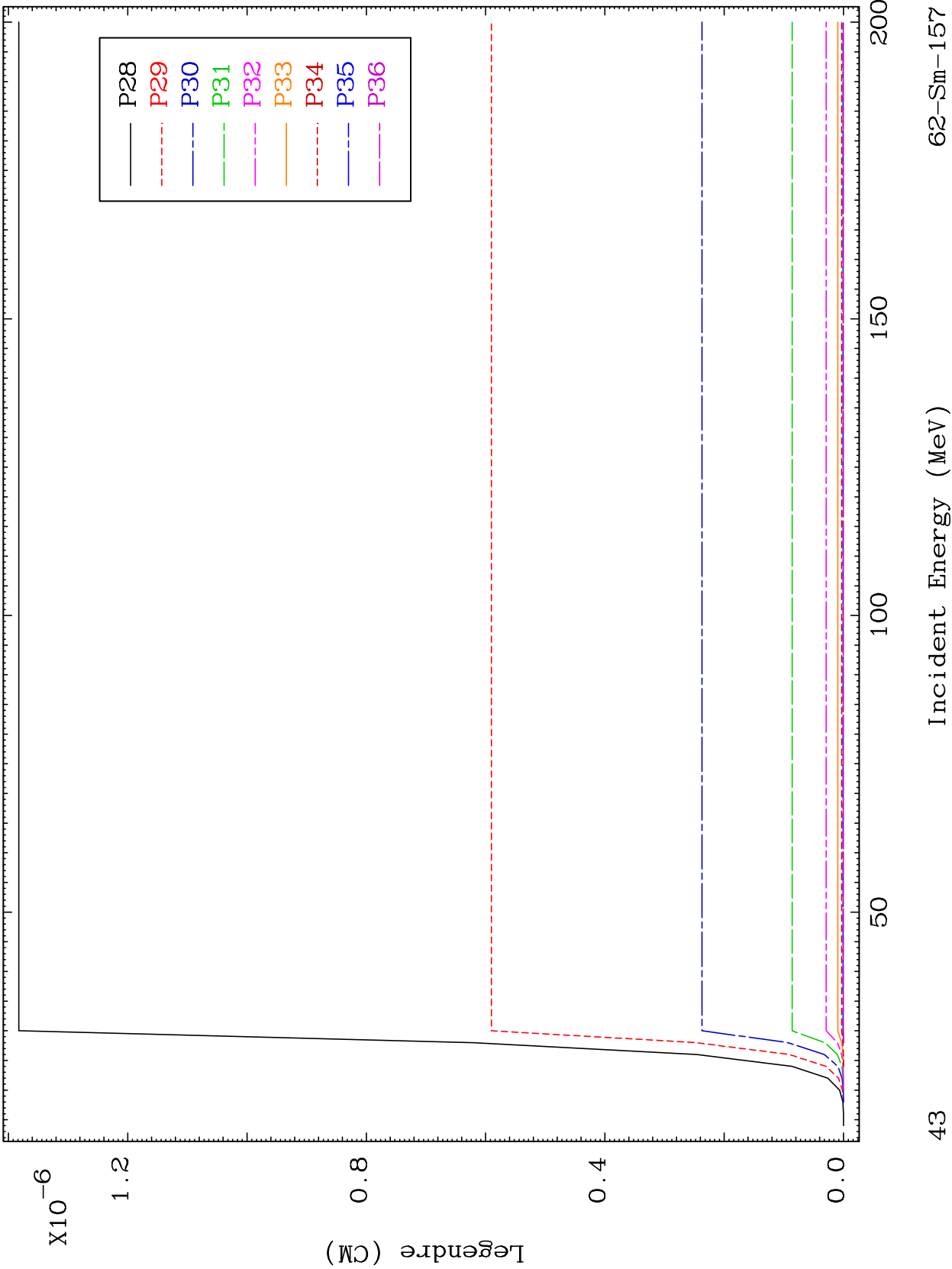
Incident Energy (MeV)

62-Sm-157

MAT 6264

353.8 keV (n,n') Level
Legendre Coefficients

62-Sm-157



43

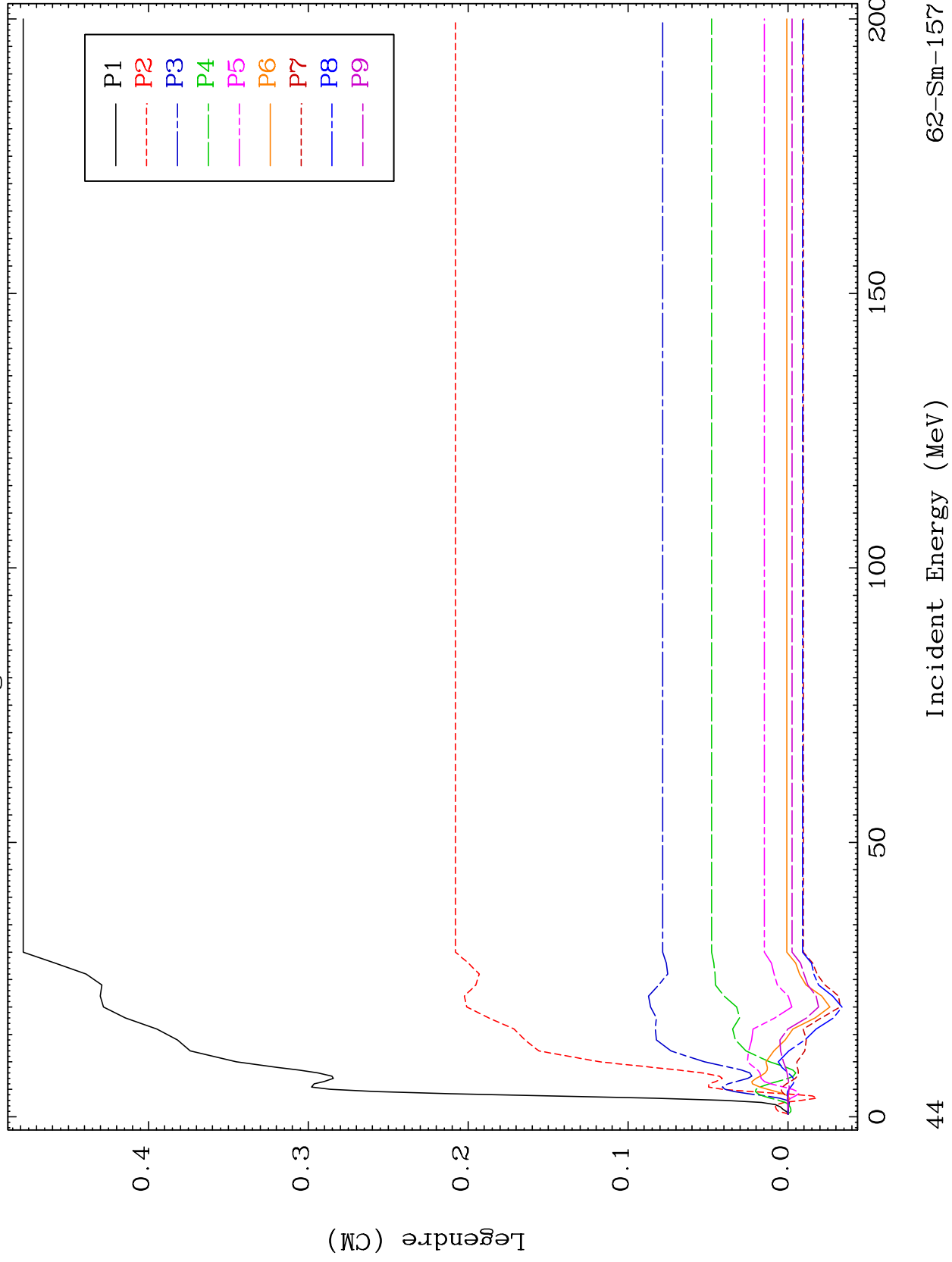
Incident Energy (MeV)

62-Sm-157

MAT 6264

426.2 keV (n,n') Level
Legendre Coefficients

62-Sm-157



62-Sm-157

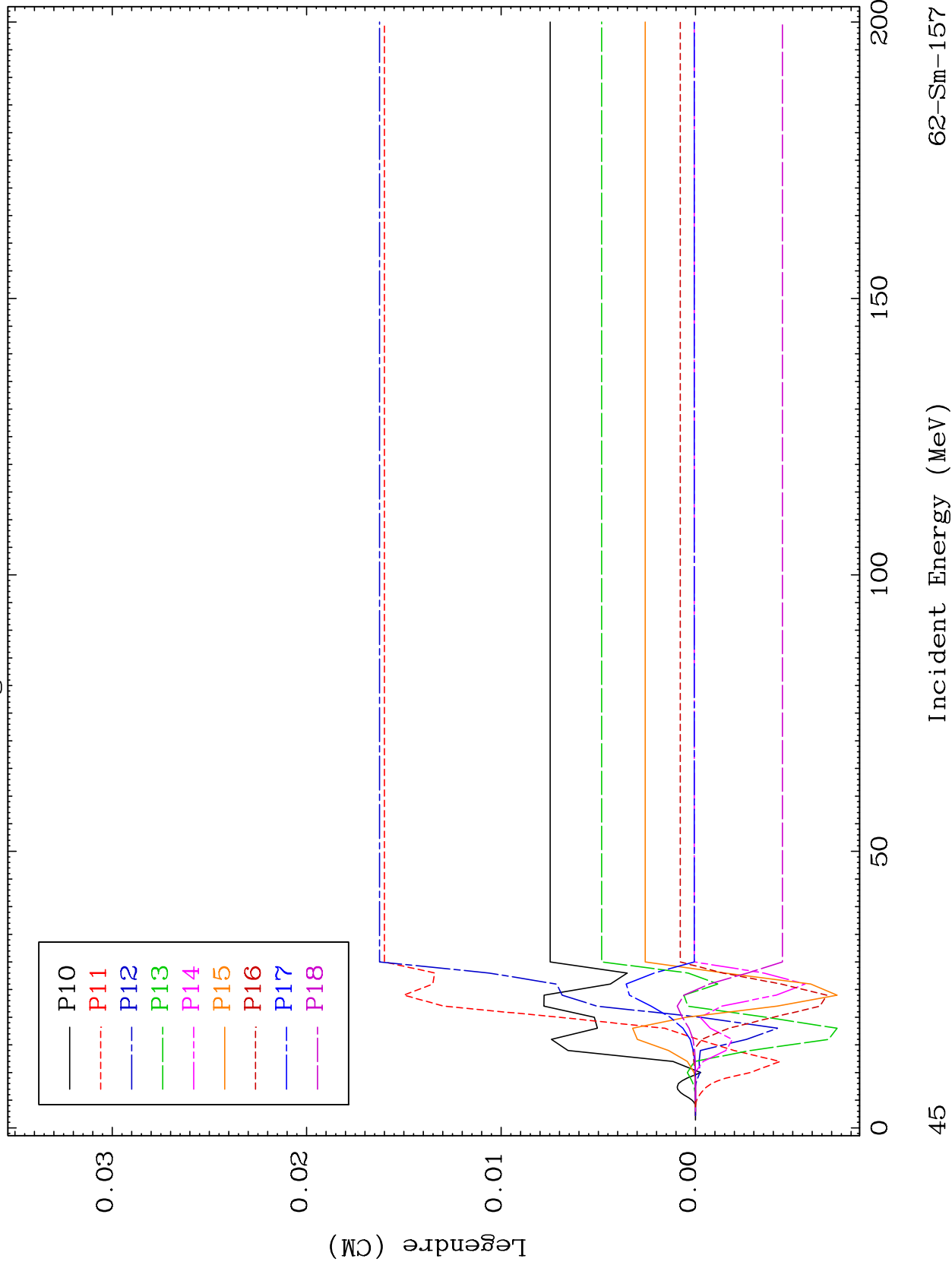
Incident Energy (MeV)

44

MAT 6264

426.2 keV (n,n') Level
Legendre Coefficients

62-Sm-157



62-Sm-157

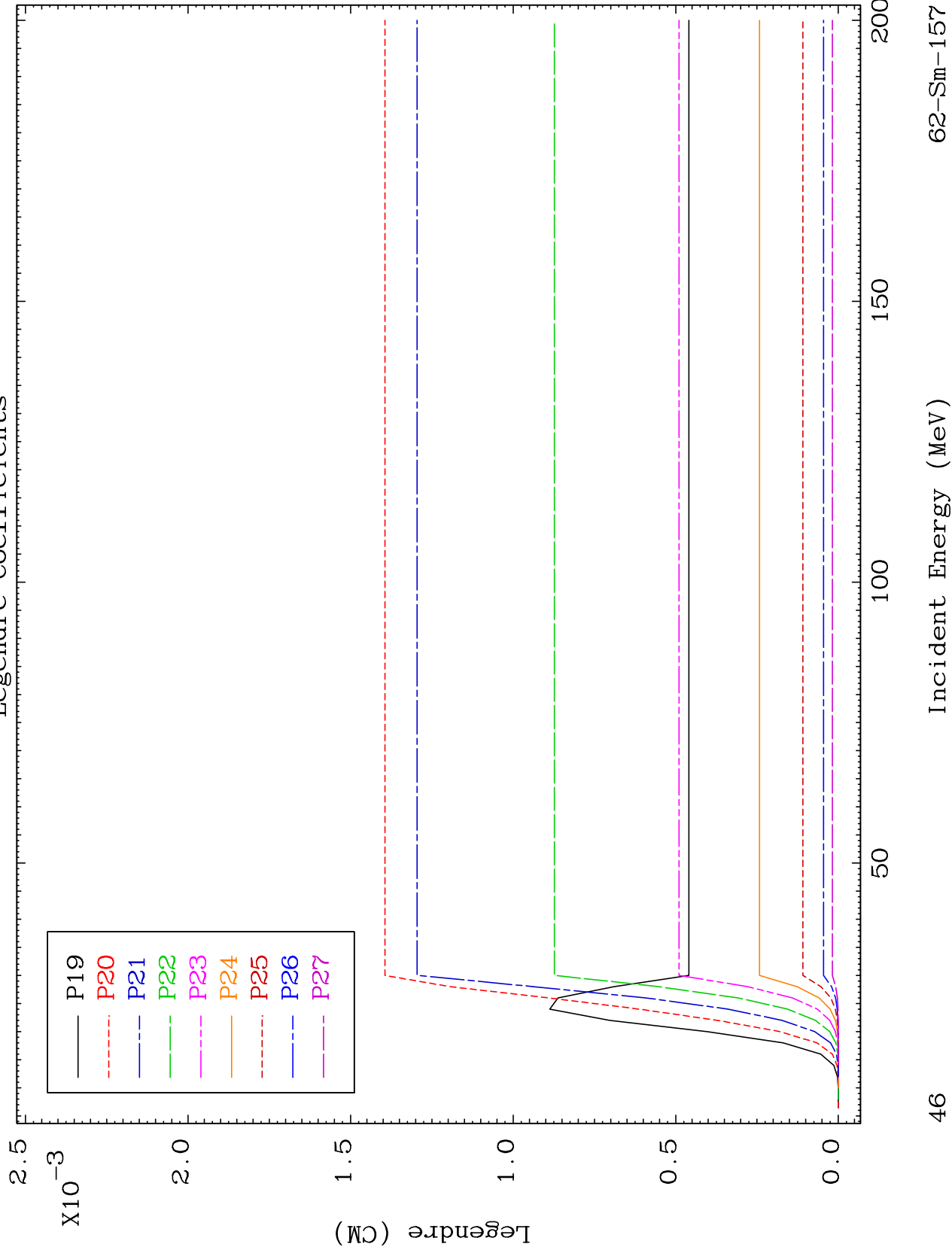
Incident Energy (MeV)

45

MAT 6264

426.2 keV (n,n') Level
Legendre Coefficients

62-Sm-157



46

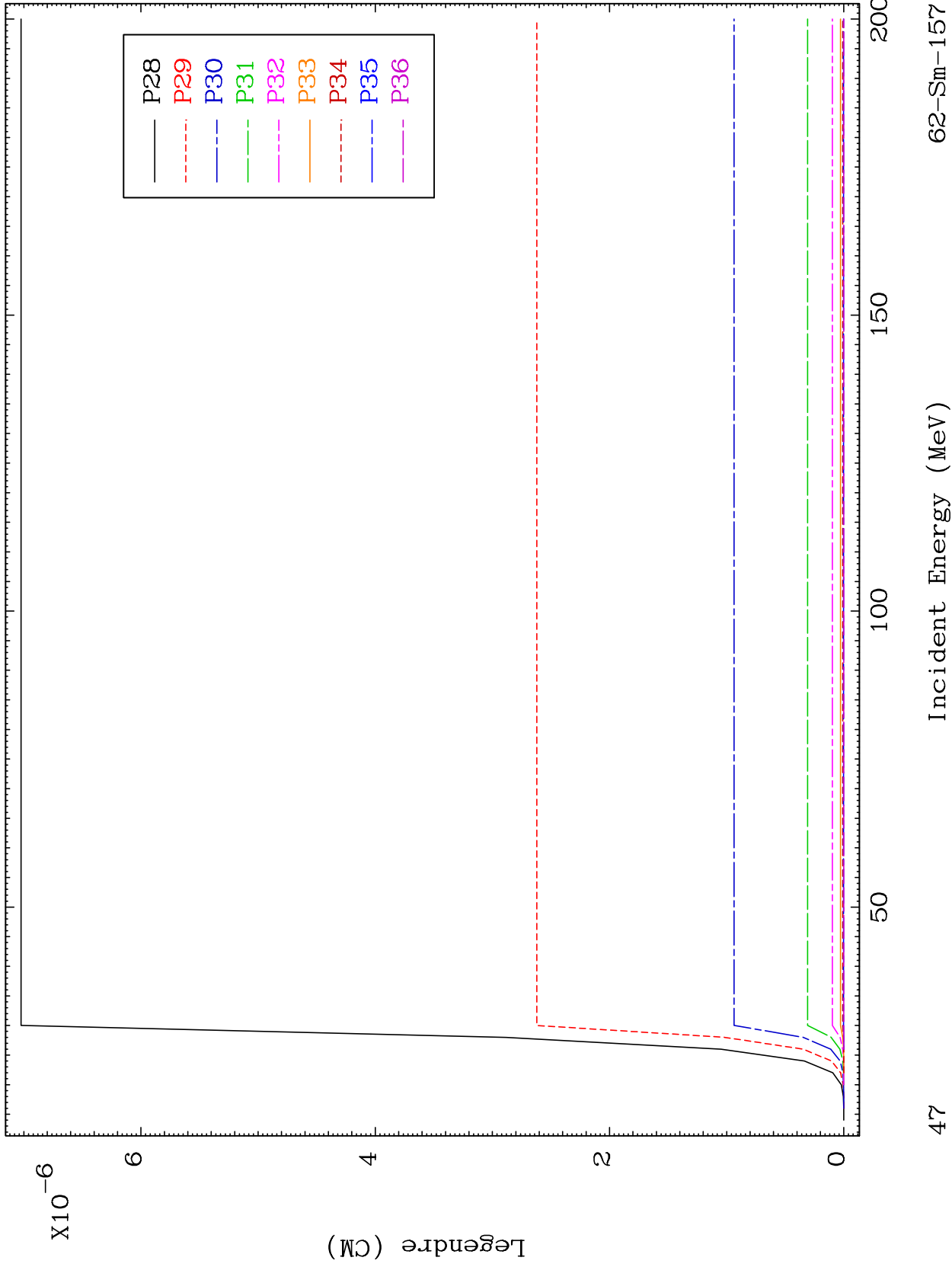
Incident Energy (MeV)

62-Sm-157

MAT 6264

426.2 keV (n,n') Level
Legendre Coefficients

62-Sm-157

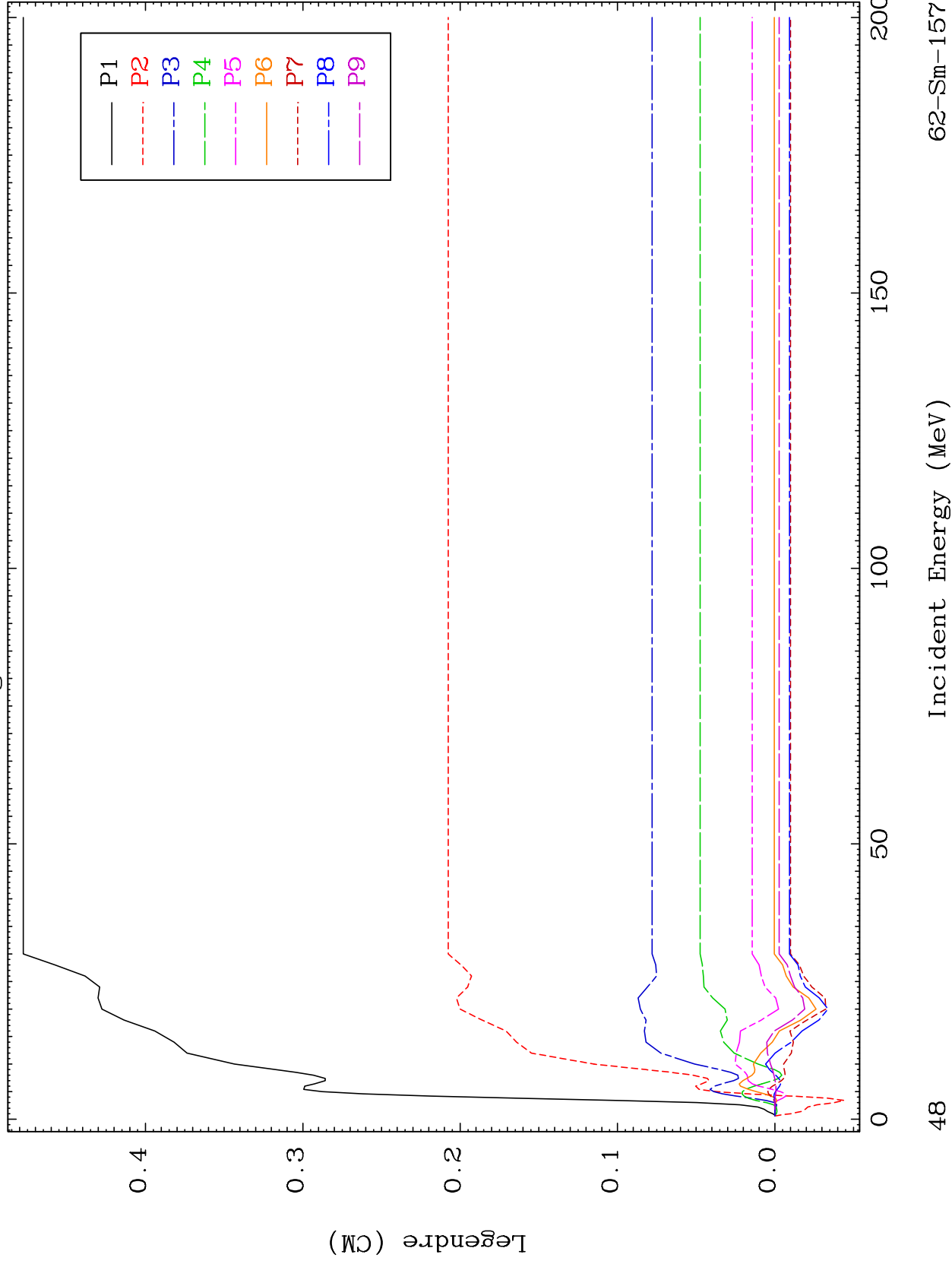


47

MAT 6264

571.3 keV (n,n') Level
Legendre Coefficients

62-Sm-157



62-Sm-157

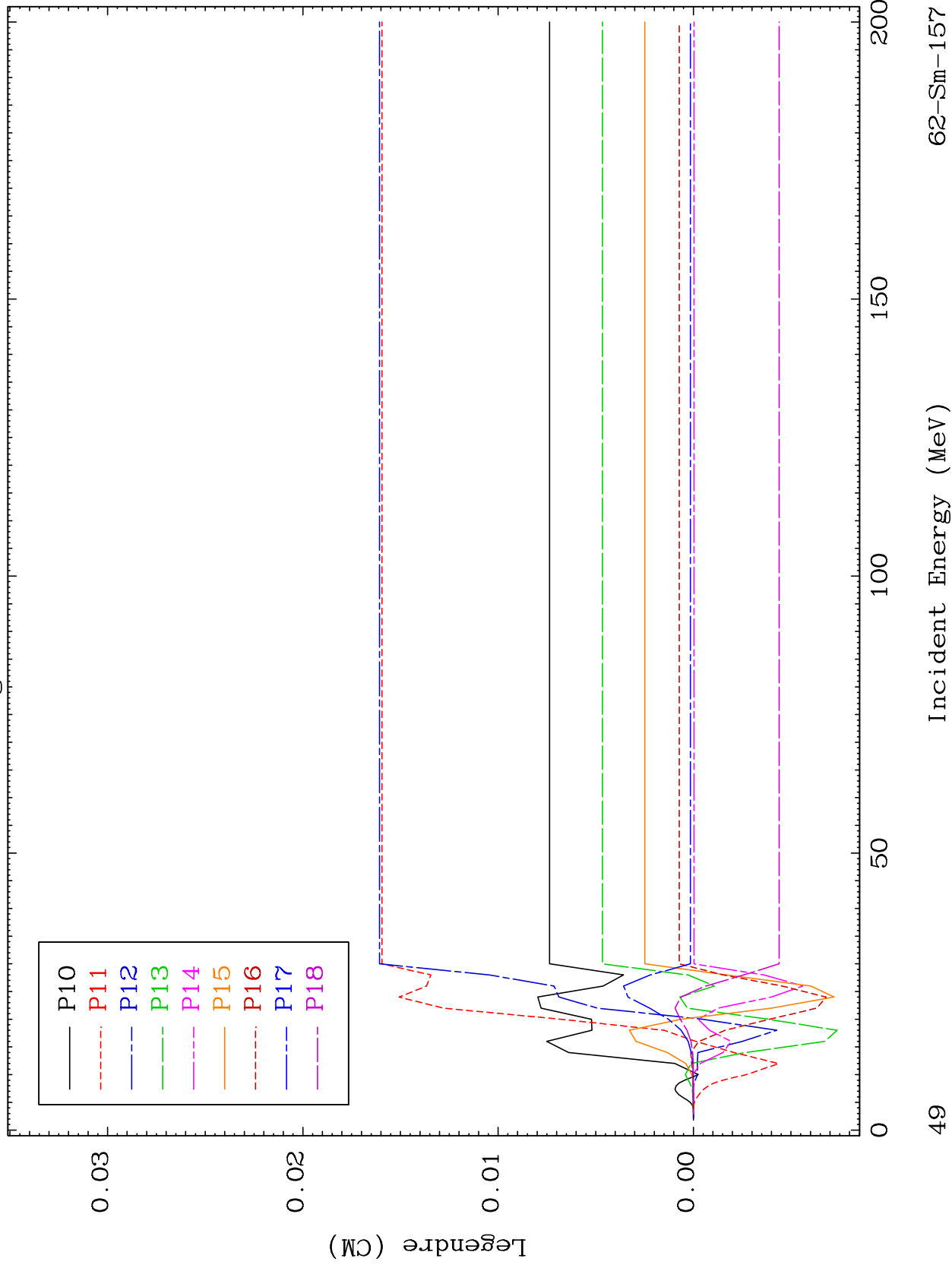
Incident Energy (MeV)

48

MAT 6264

571.3 keV (n,n') Level
Legendre Coefficients

62-Sm-157



49

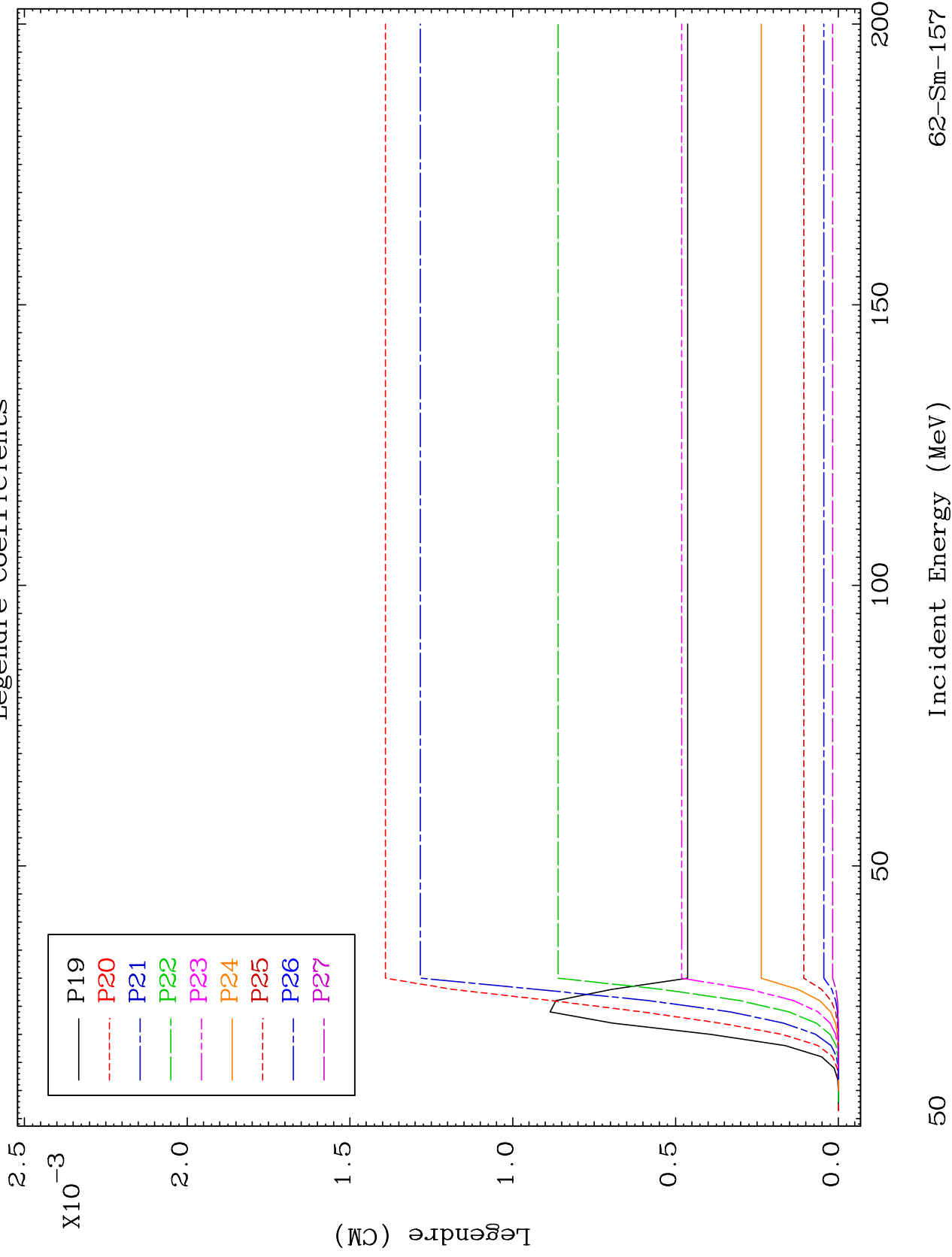
Incident Energy (MeV)

62-Sm-157

MAT 6264

571.3 keV (n,n') Level
Legendre Coefficients

62-Sm-157



62-Sm-157

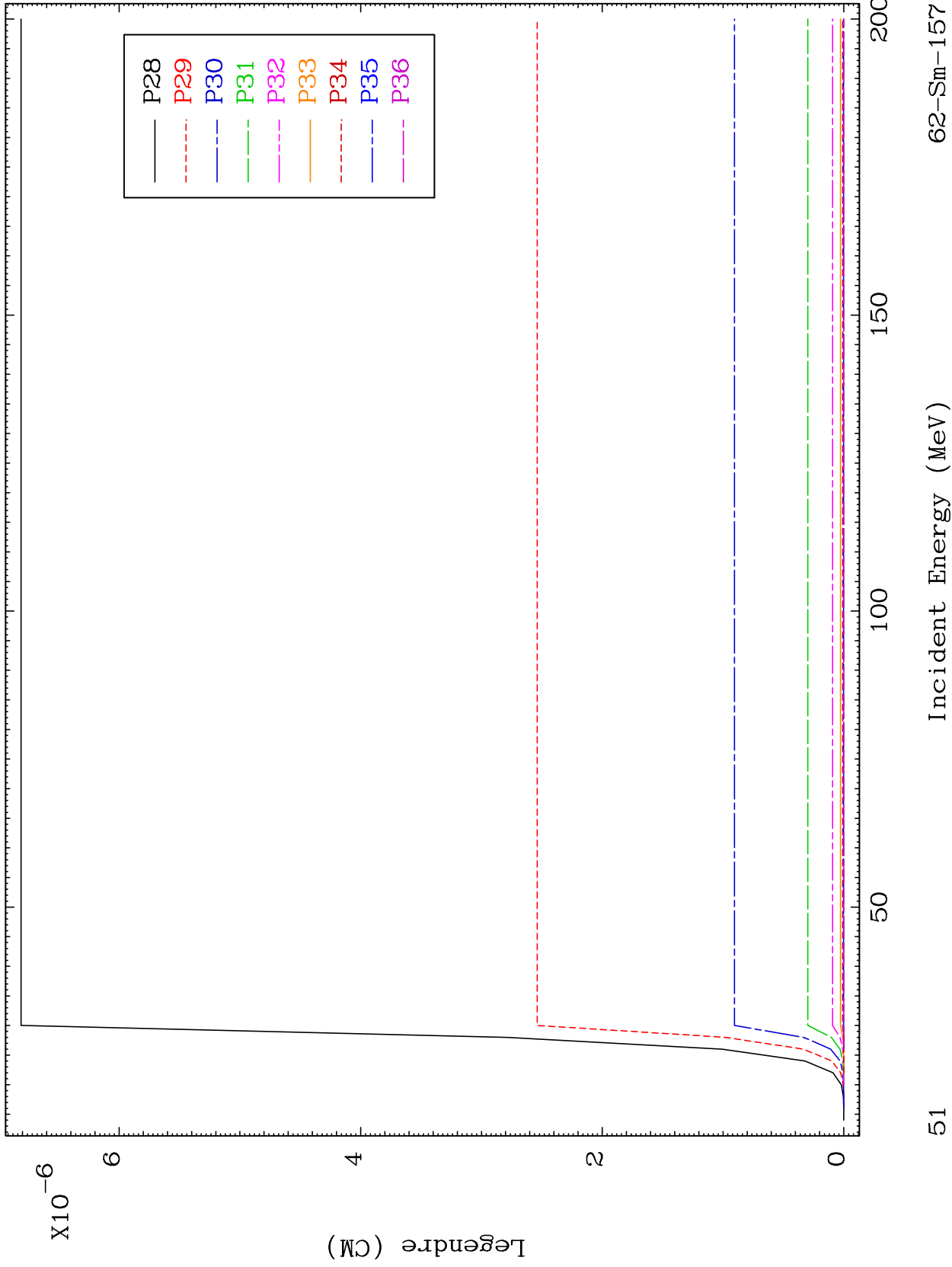
Incident Energy (MeV)

50

MAT 6264

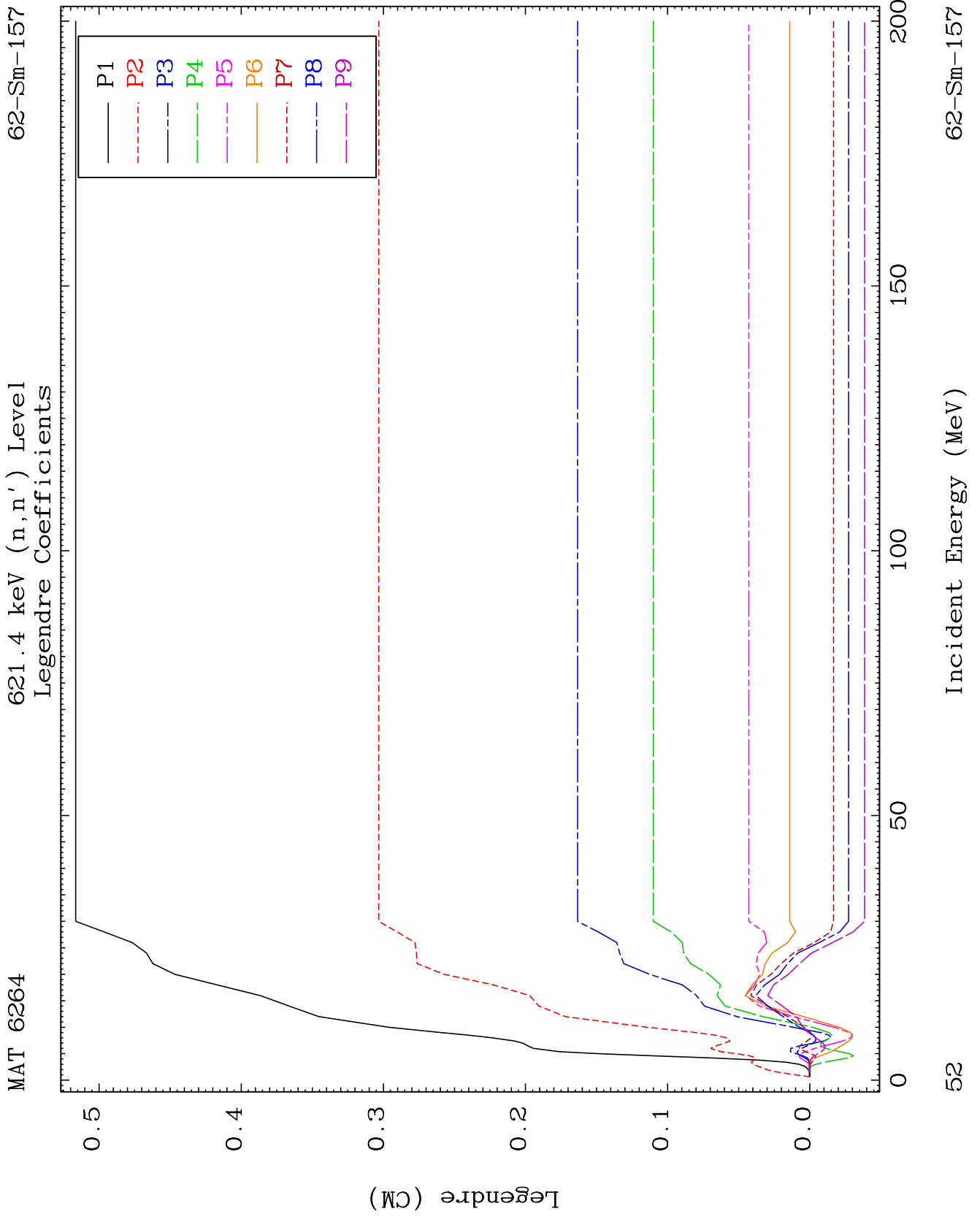
571.3 keV (n,n') Level
Legendre Coefficients

62-Sm-157



51

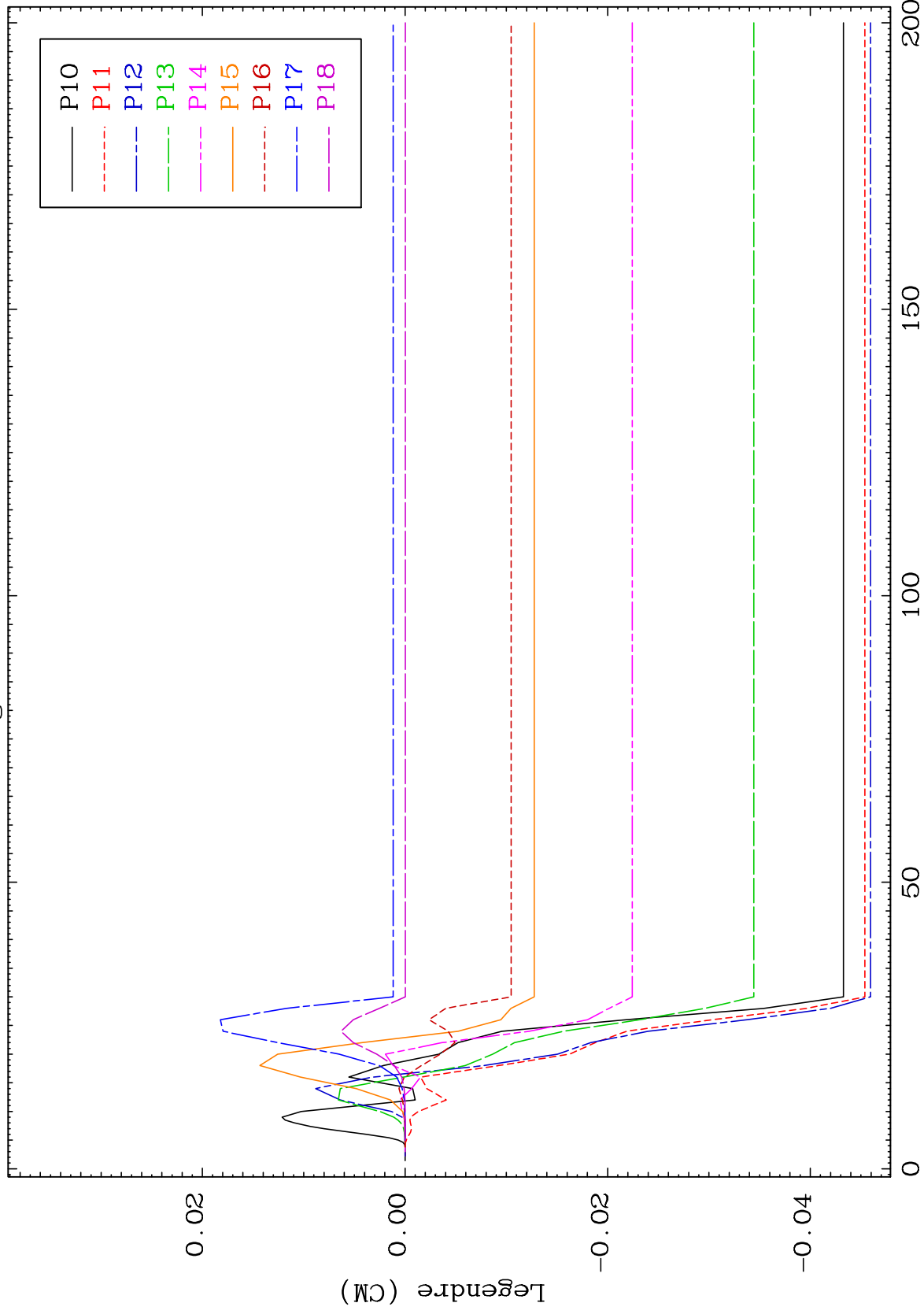
62-Sm-157



MAT 6264

621.4 keV (n,n') Level
Legendre Coefficients

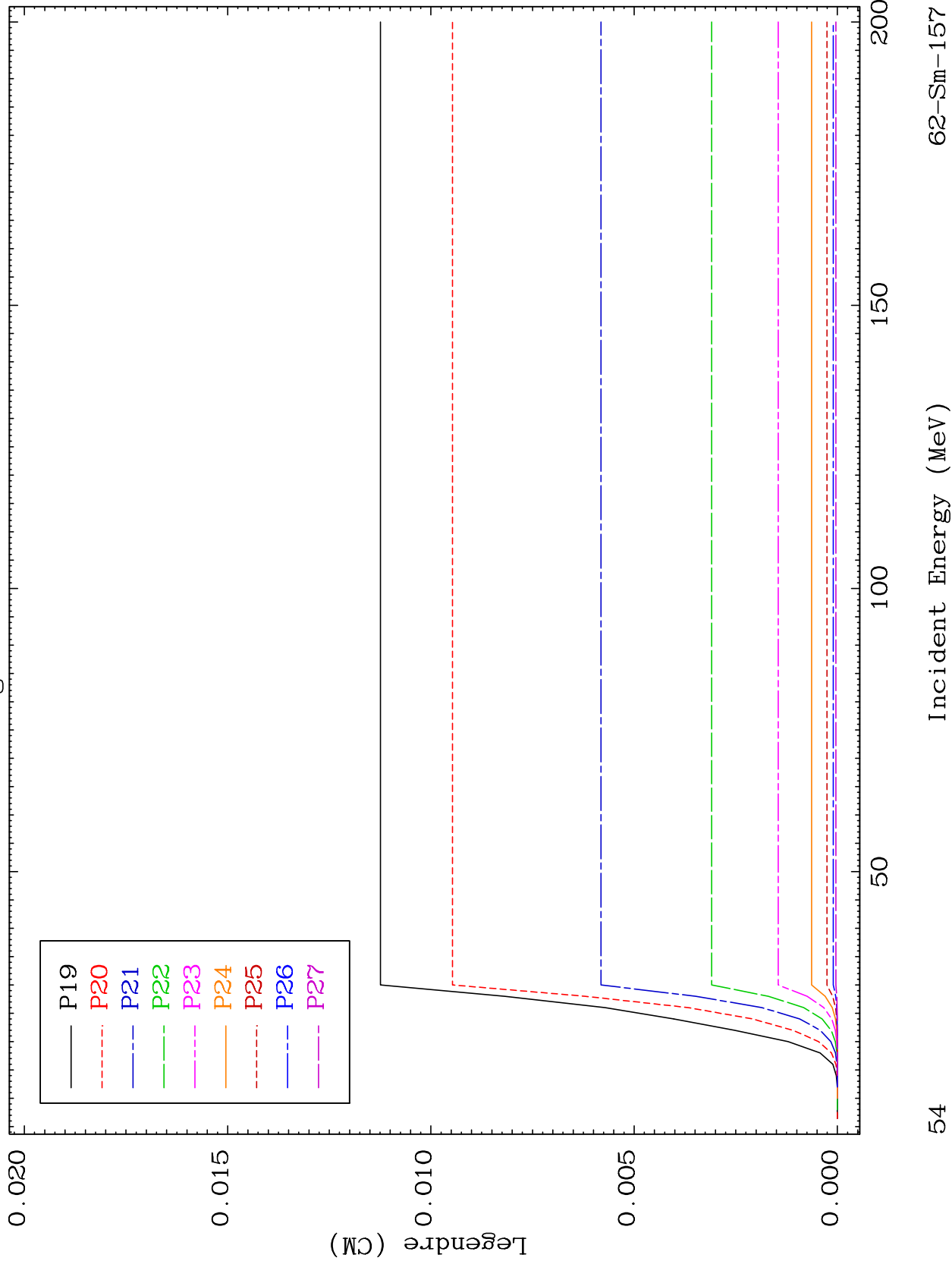
62-Sm-157

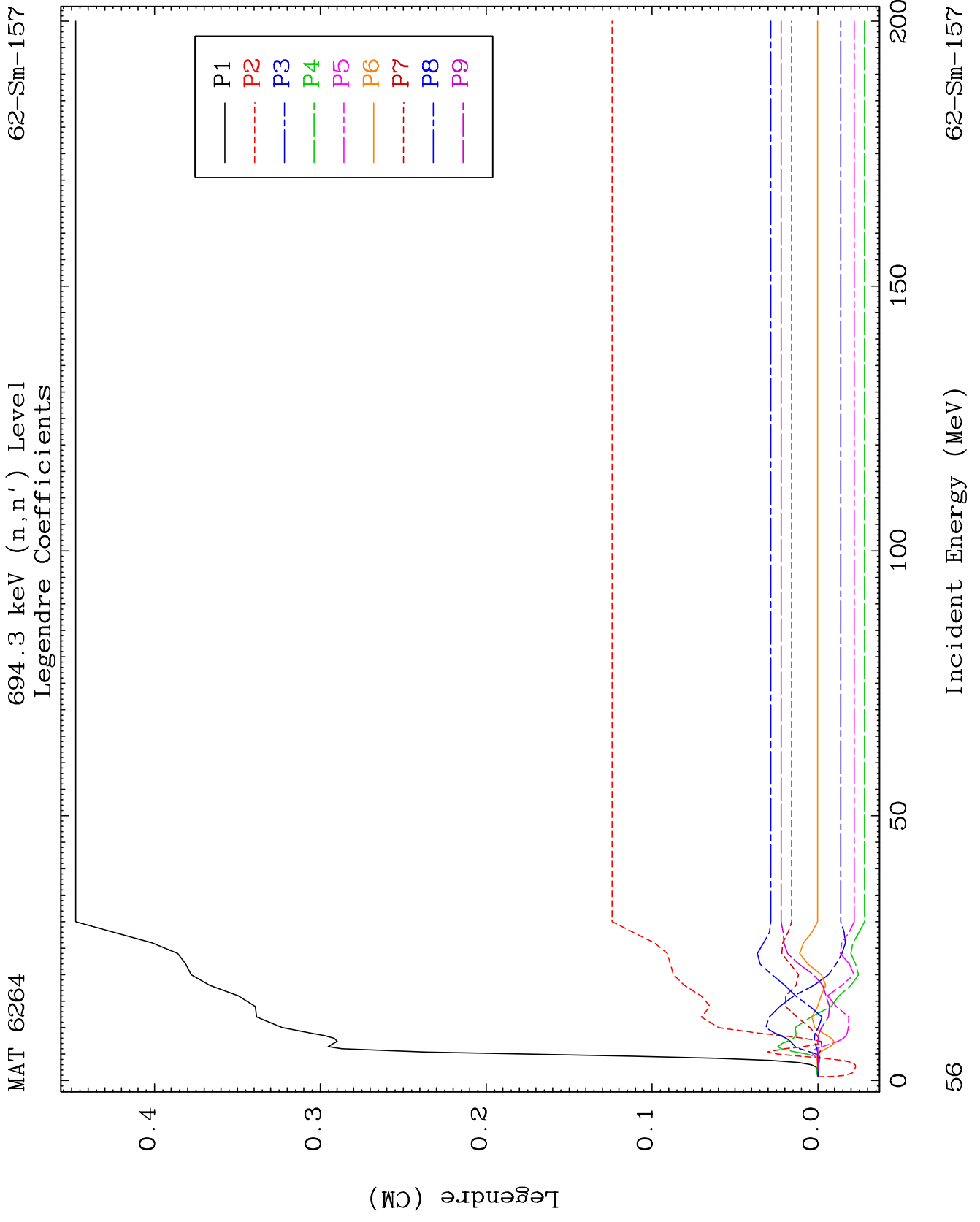


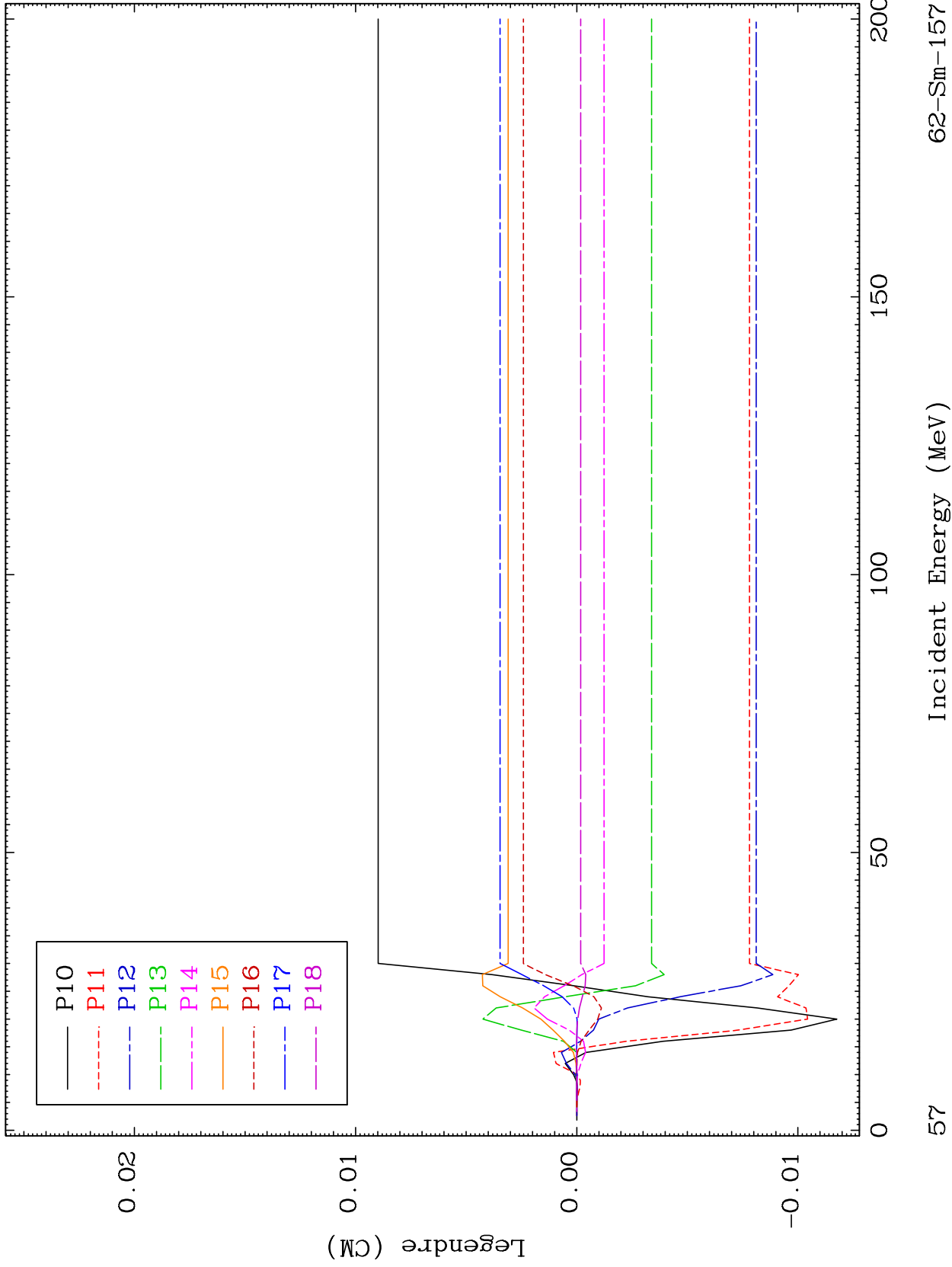
53

Incident Energy (MeV)

62-Sm-157



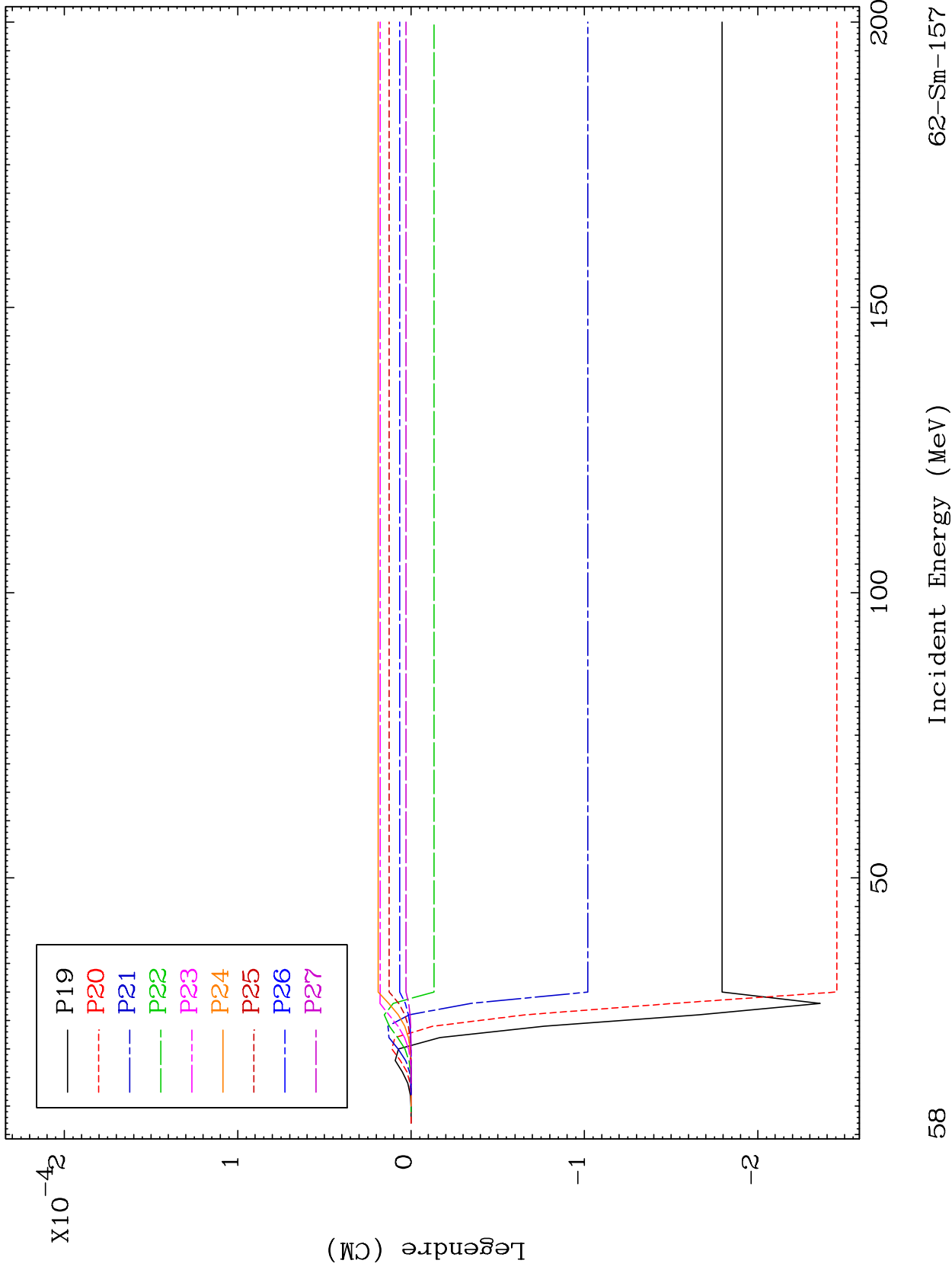




MAT 6264

694.3 keV (n,n') Level
Legendre Coefficients

62-Sm-157



58

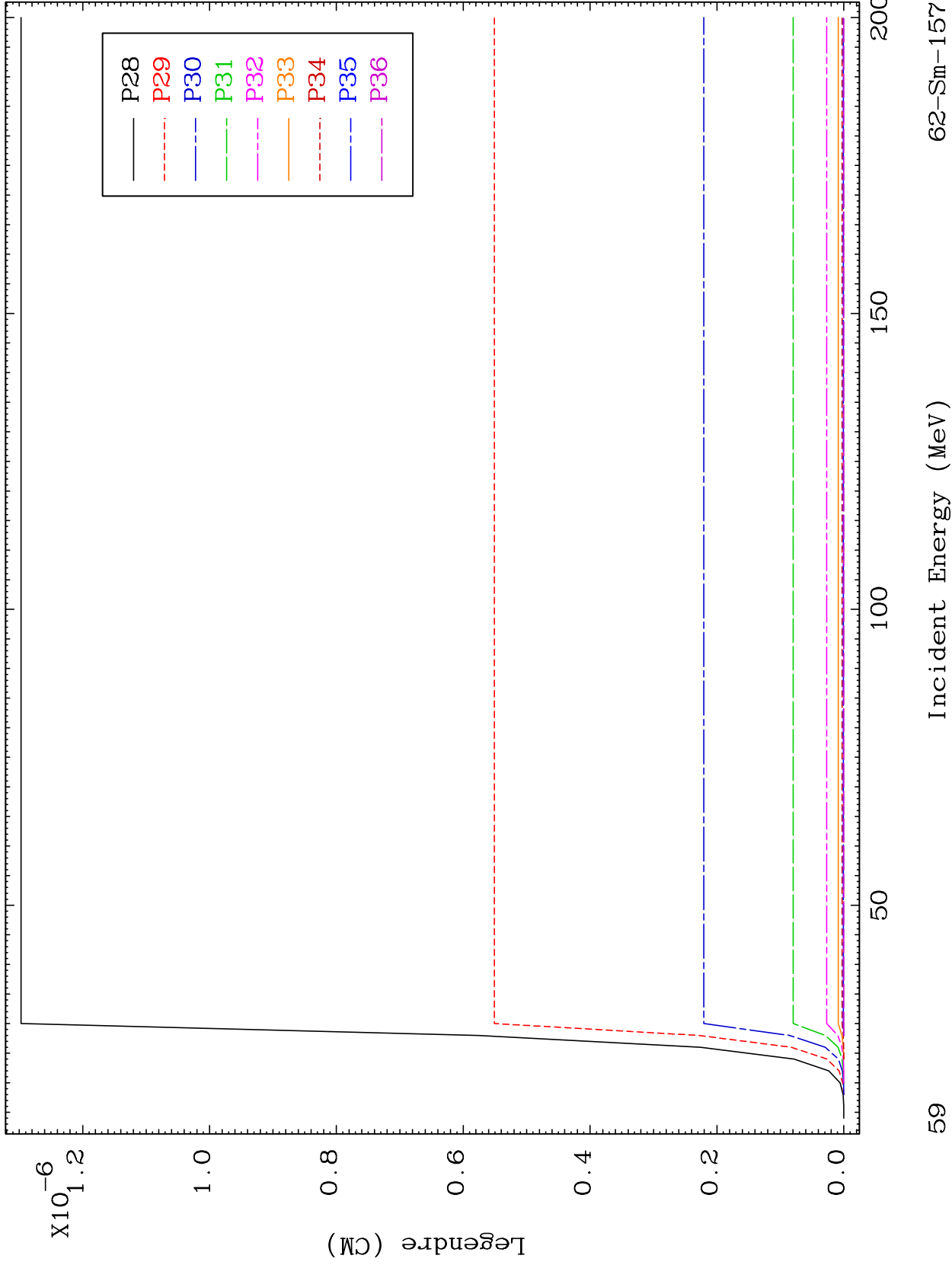
Incident Energy (MeV)

62-Sm-157

MAT 6264

694.3 keV (n,n') Level
Legendre Coefficients

62-Sm-157



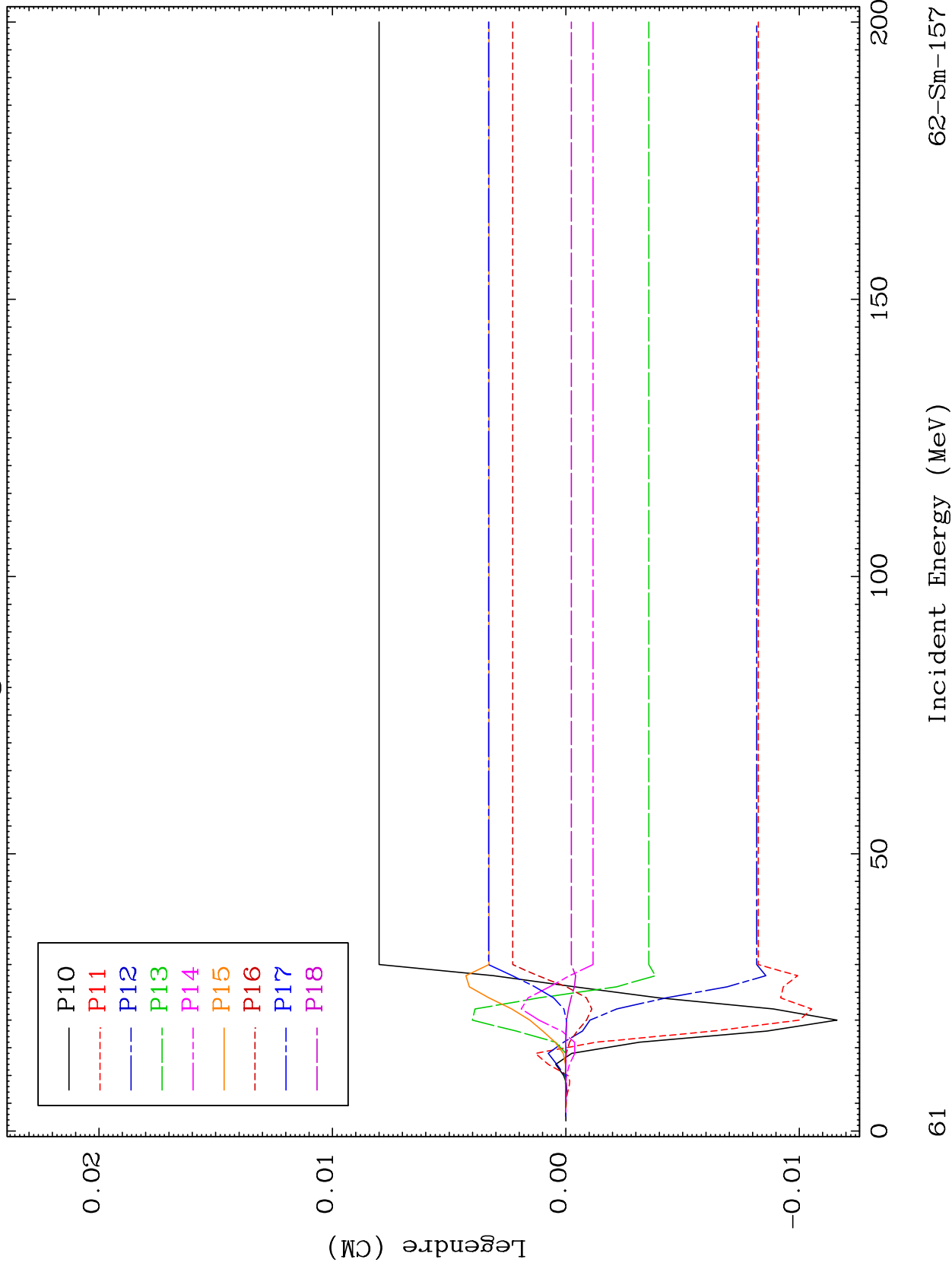
59

62-Sm-157

MAT 6264

1.294 MeV (n, n') Level
Legendre Coefficients

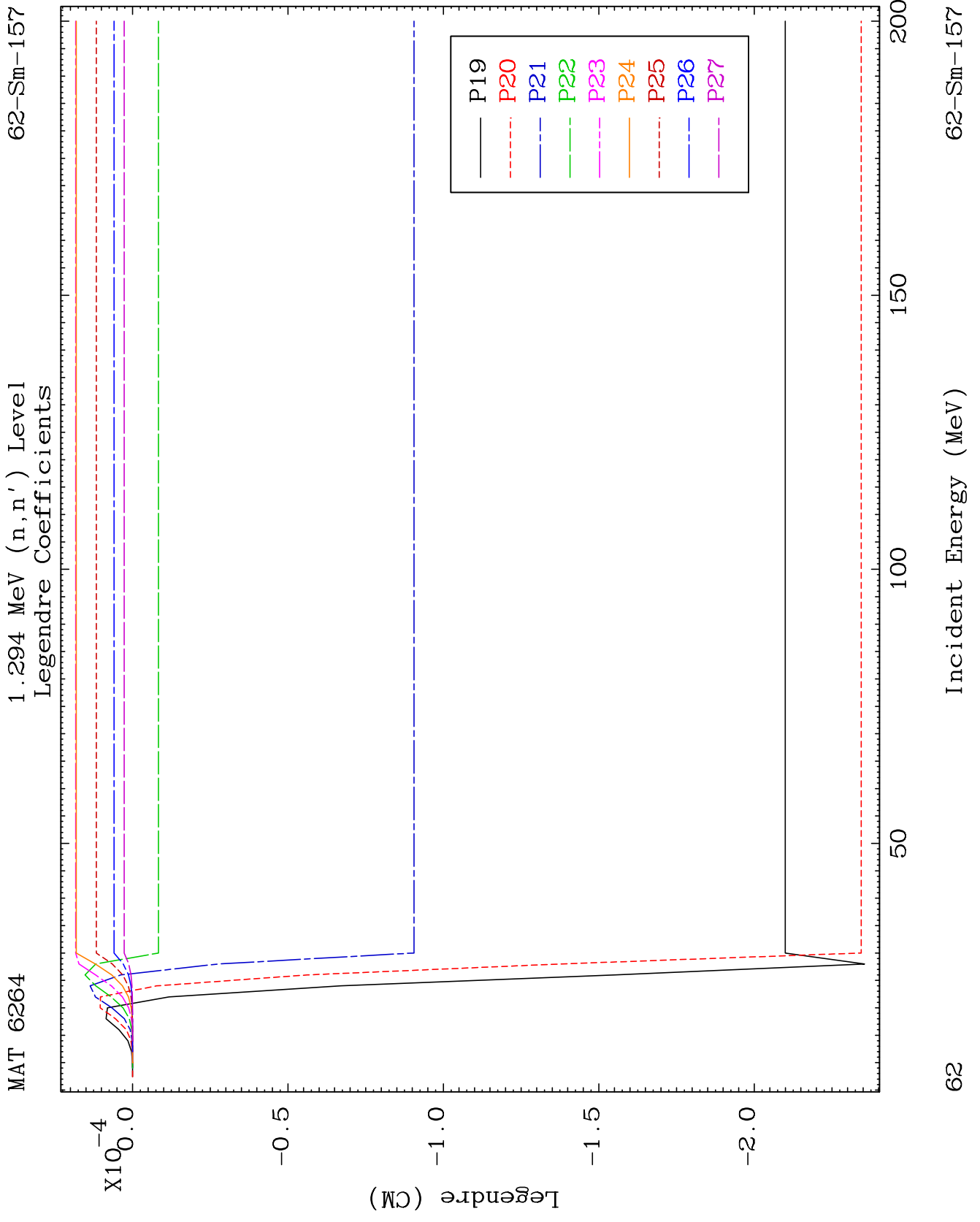
62-Sm-157

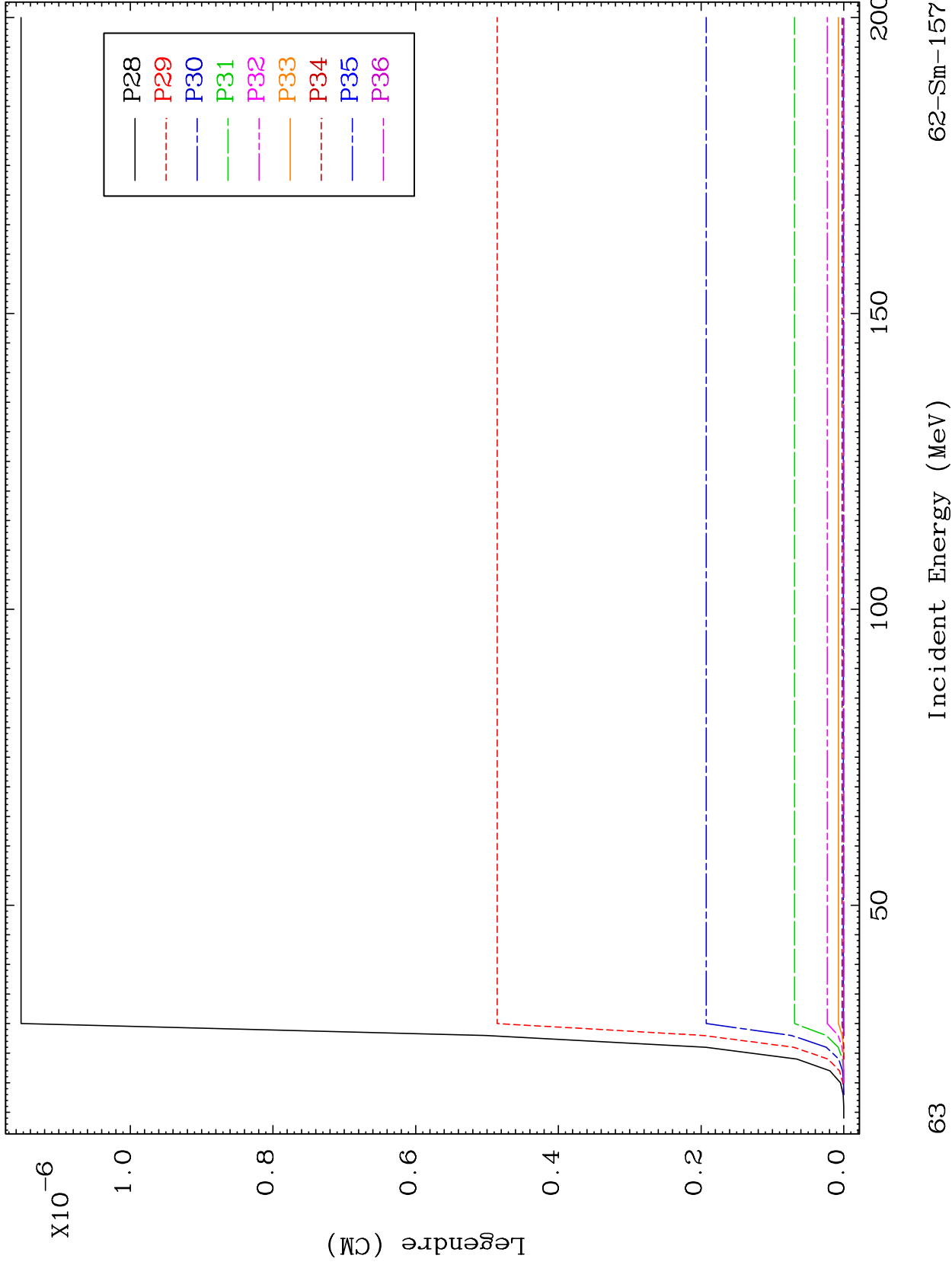


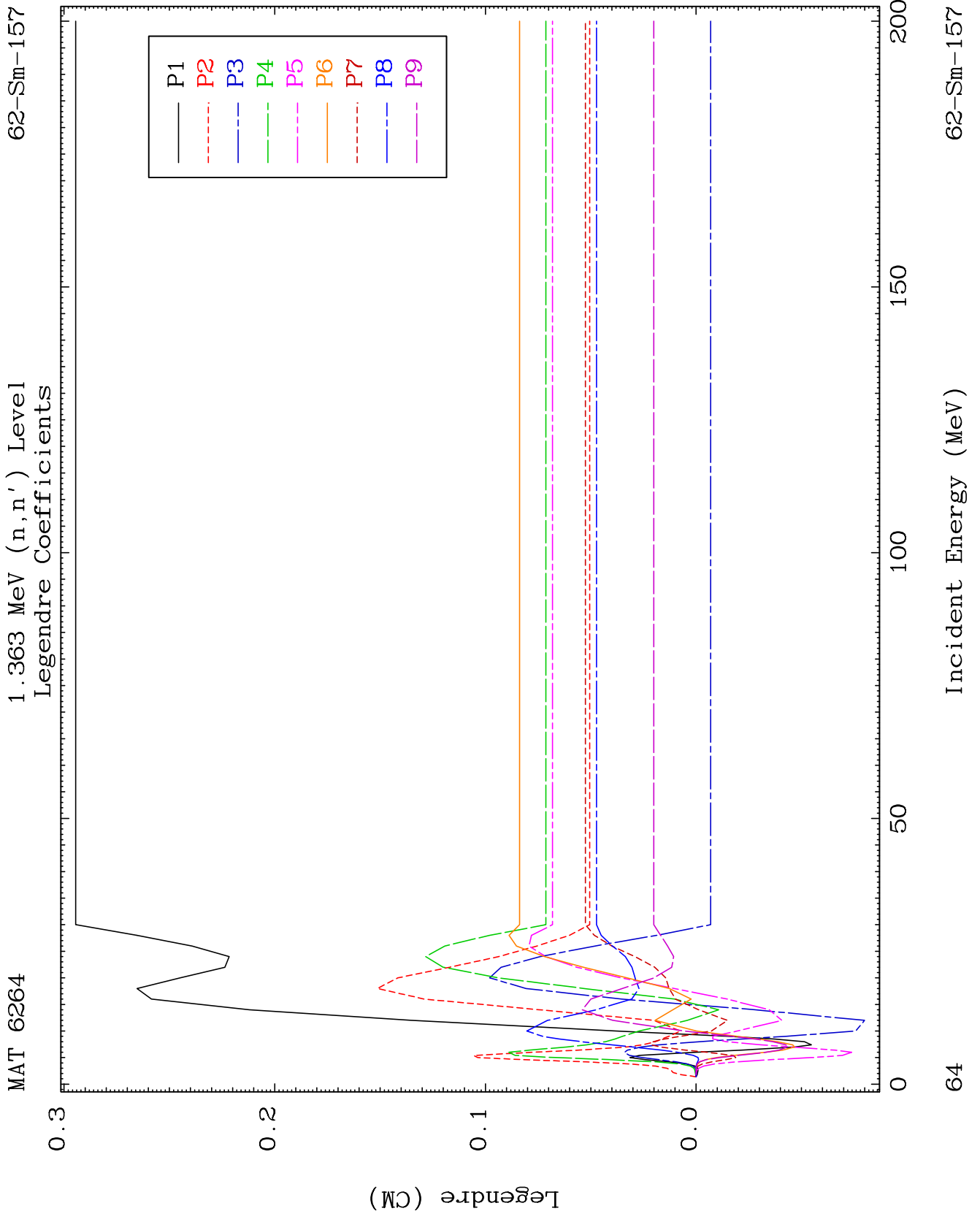
61

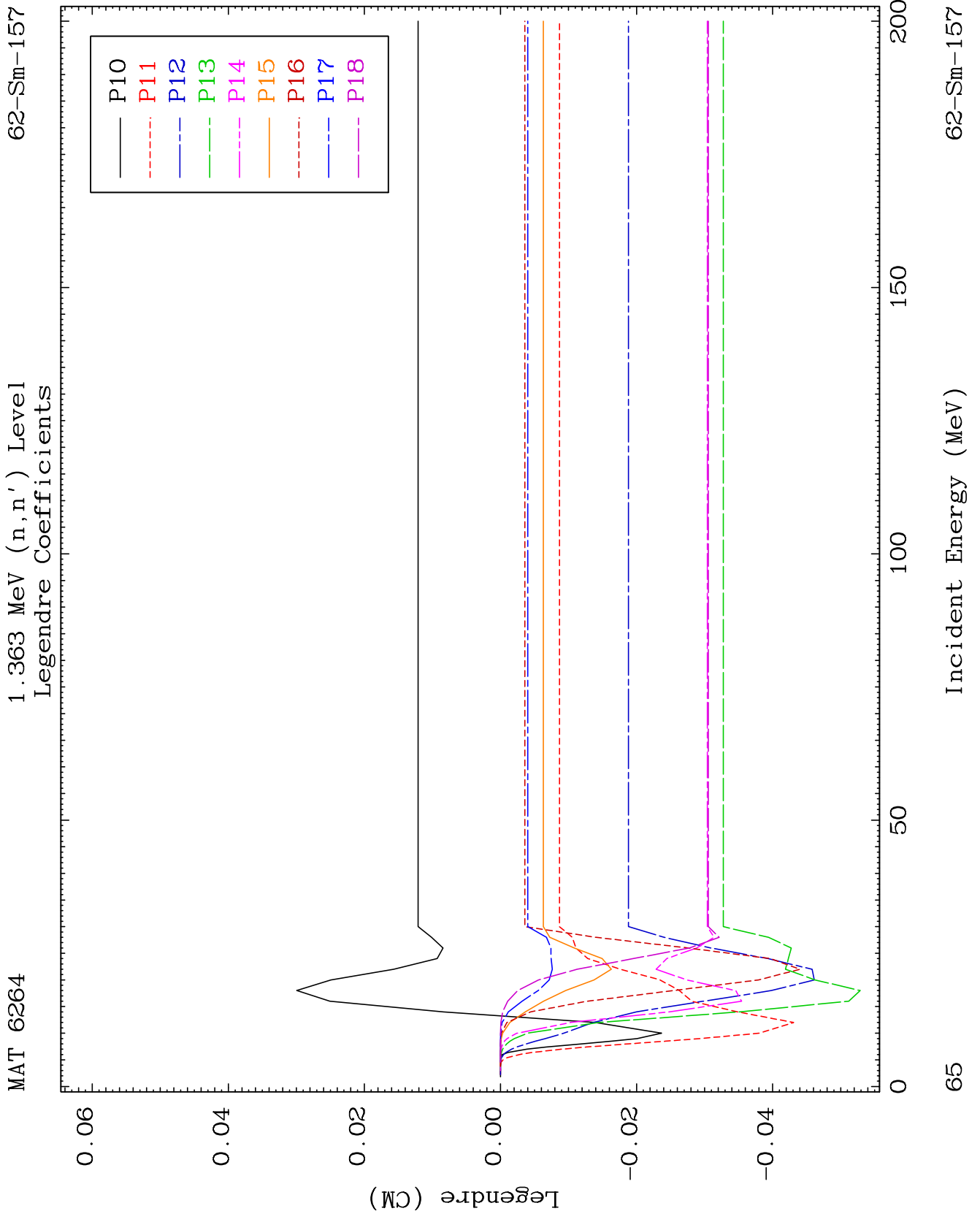
Incident Energy (MeV)

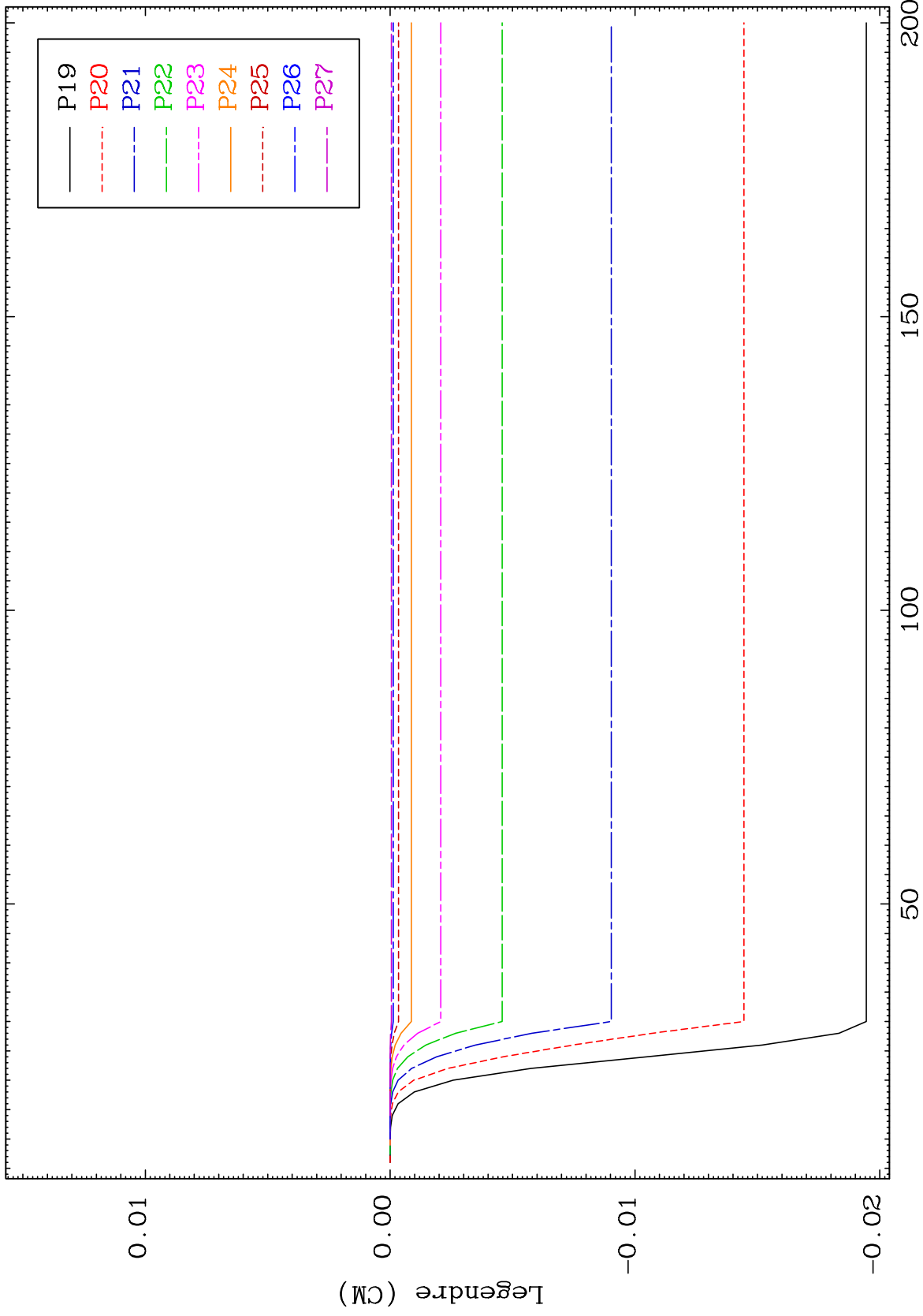
62-Sm-157

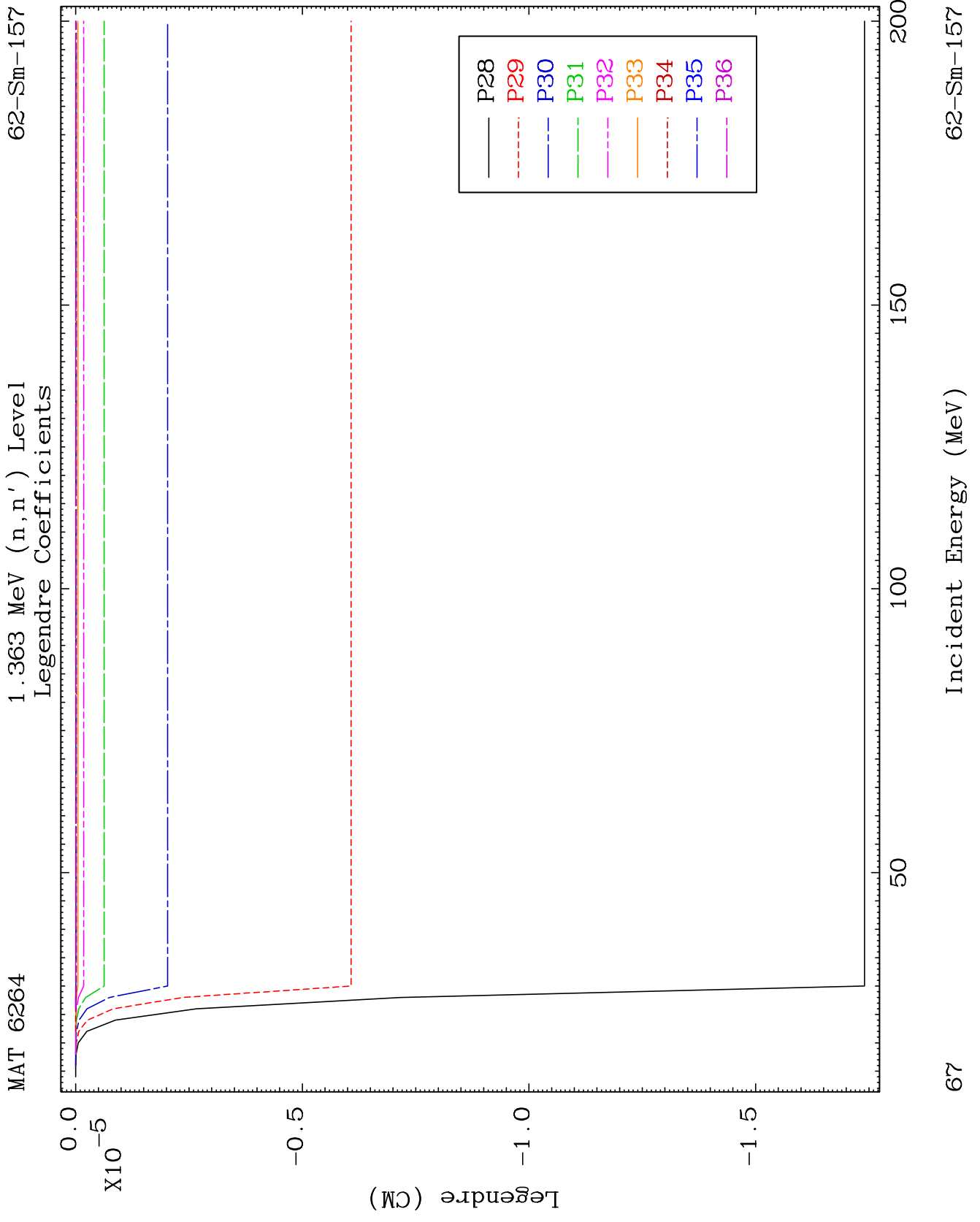


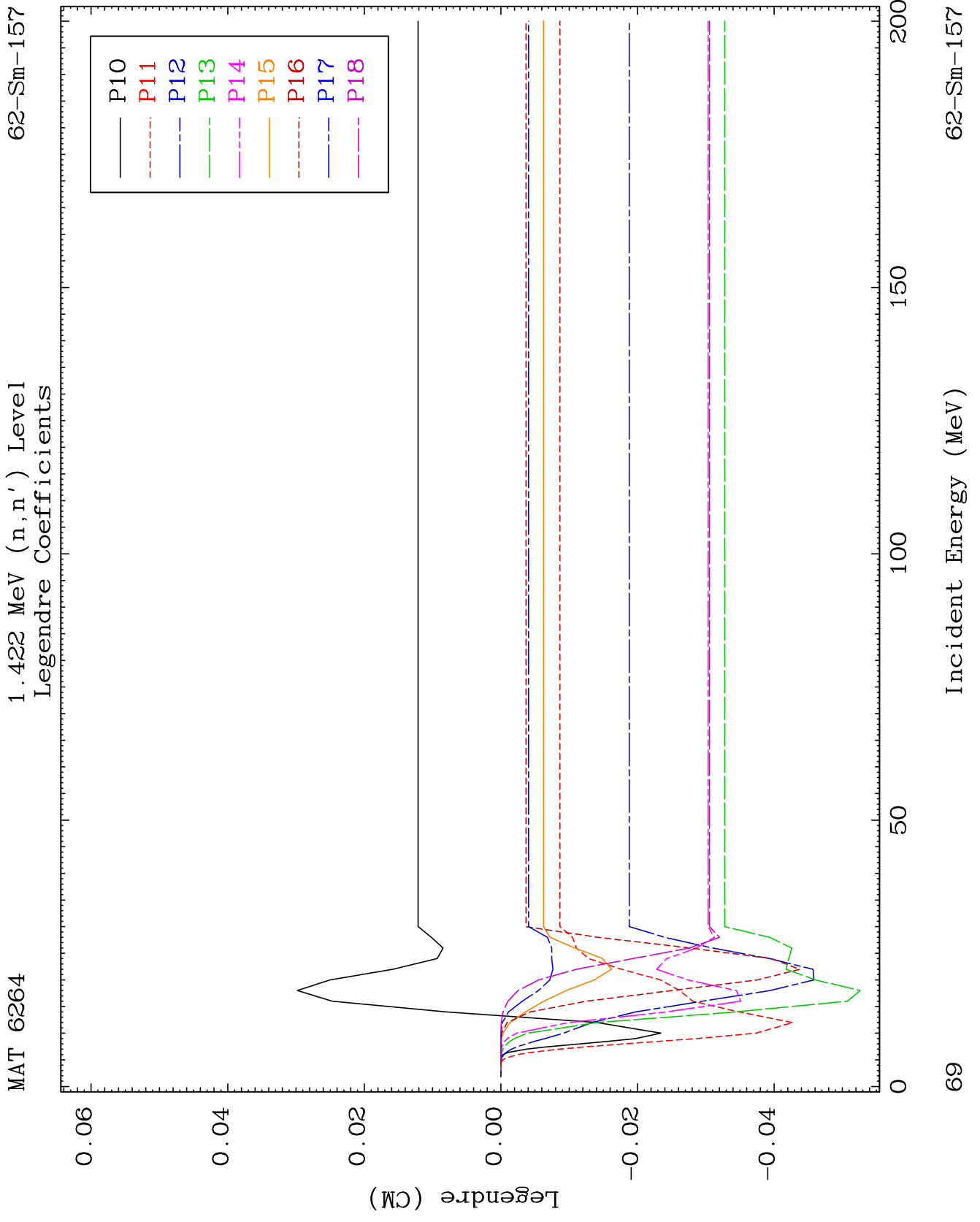








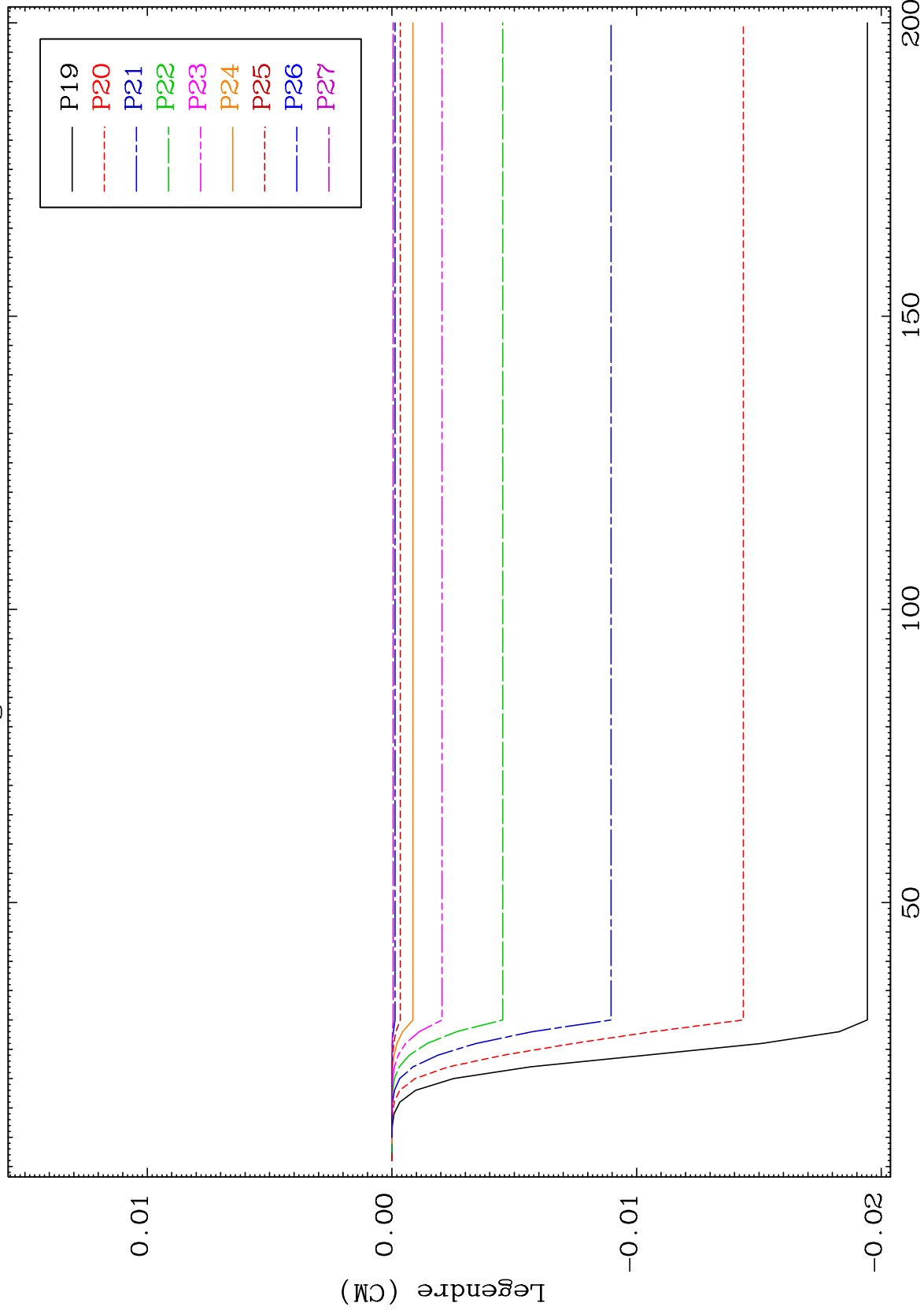




MAT 6264

1.422 MeV (n,n') Level
Legendre Coefficients

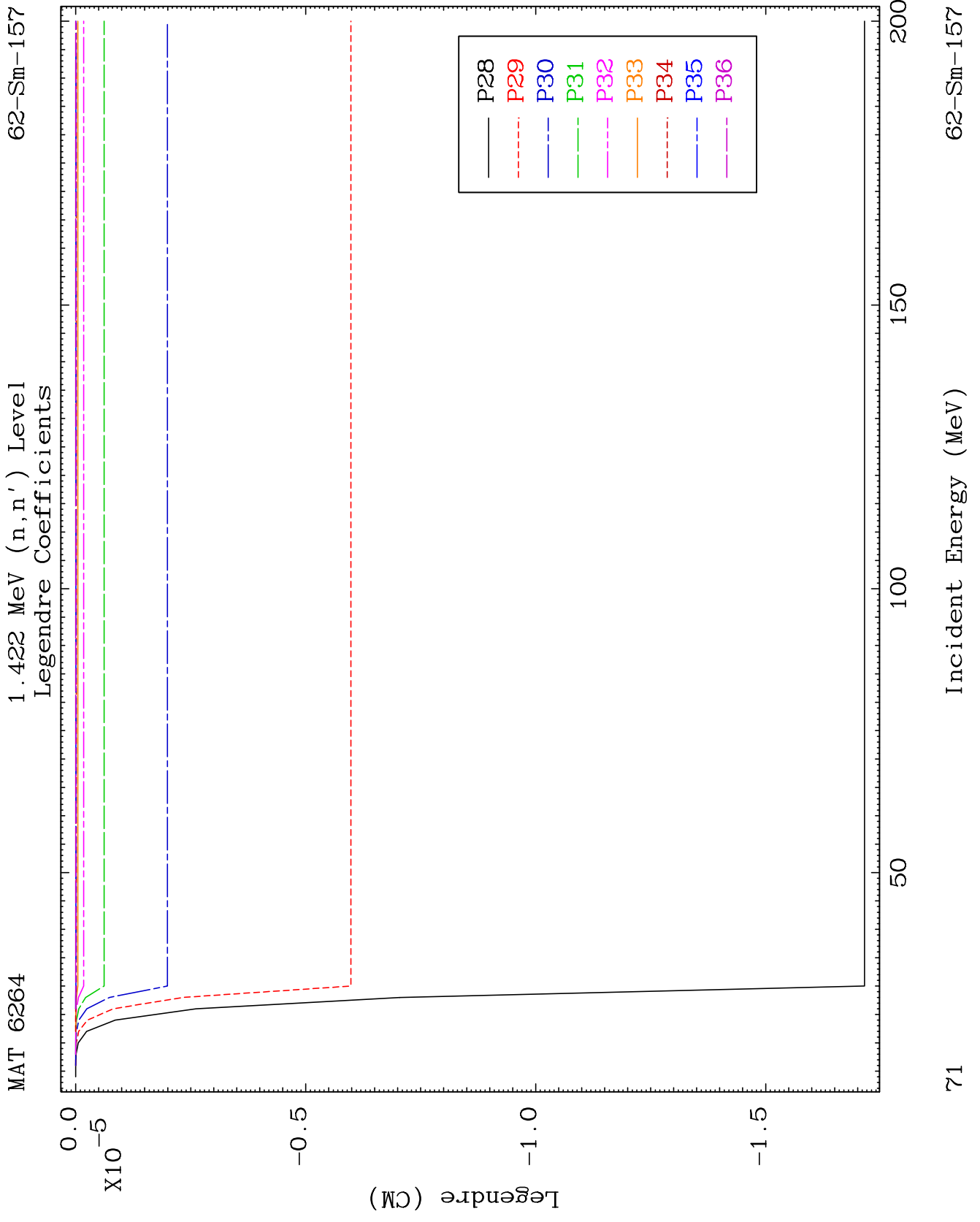
62-Sm-157



70

Incident Energy (MeV)

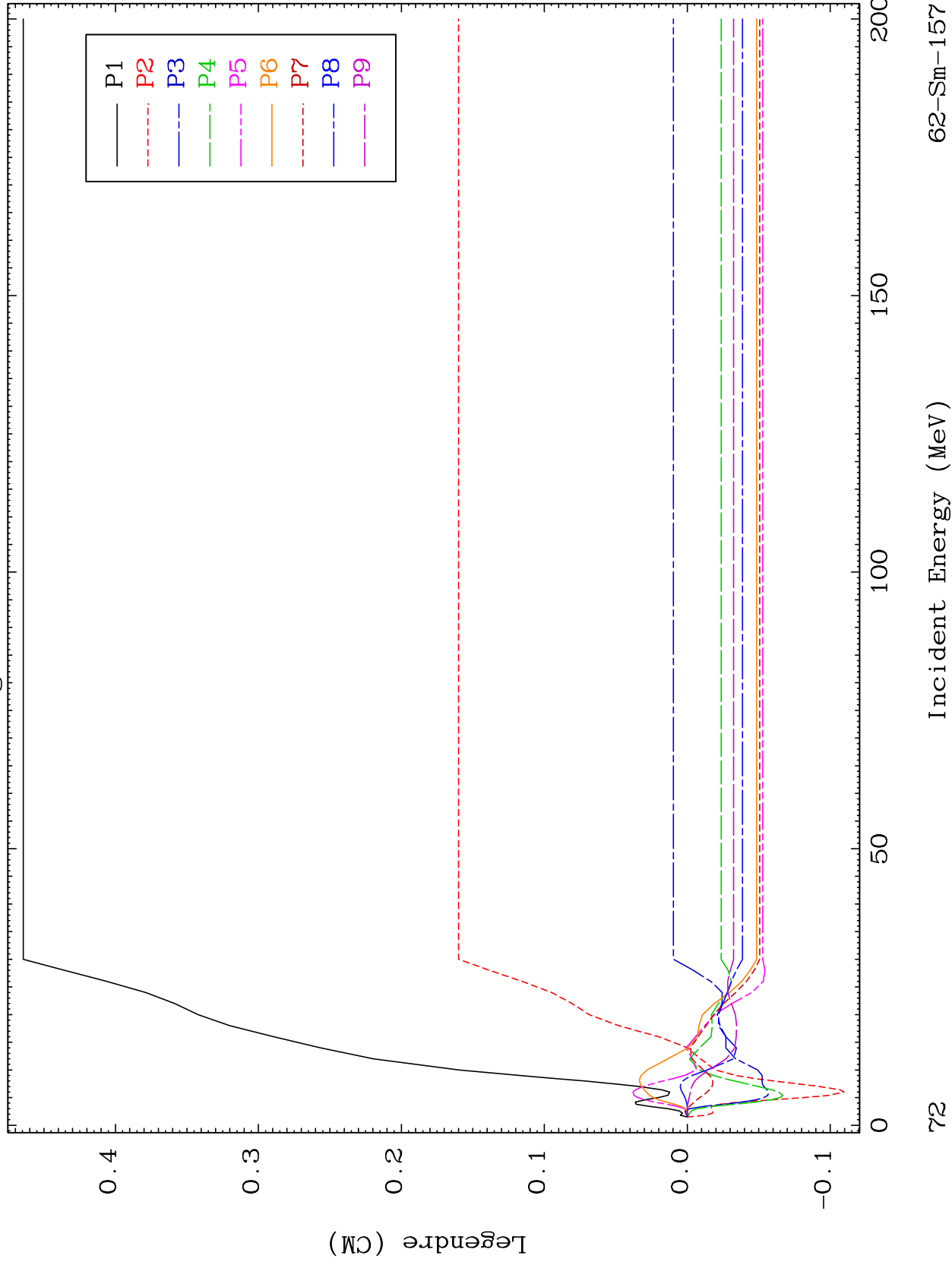
62-Sm-157



MAT 6264

1.466 MeV (n,n') Level
Legendre Coefficients

62-Sm-157



62-Sm-157

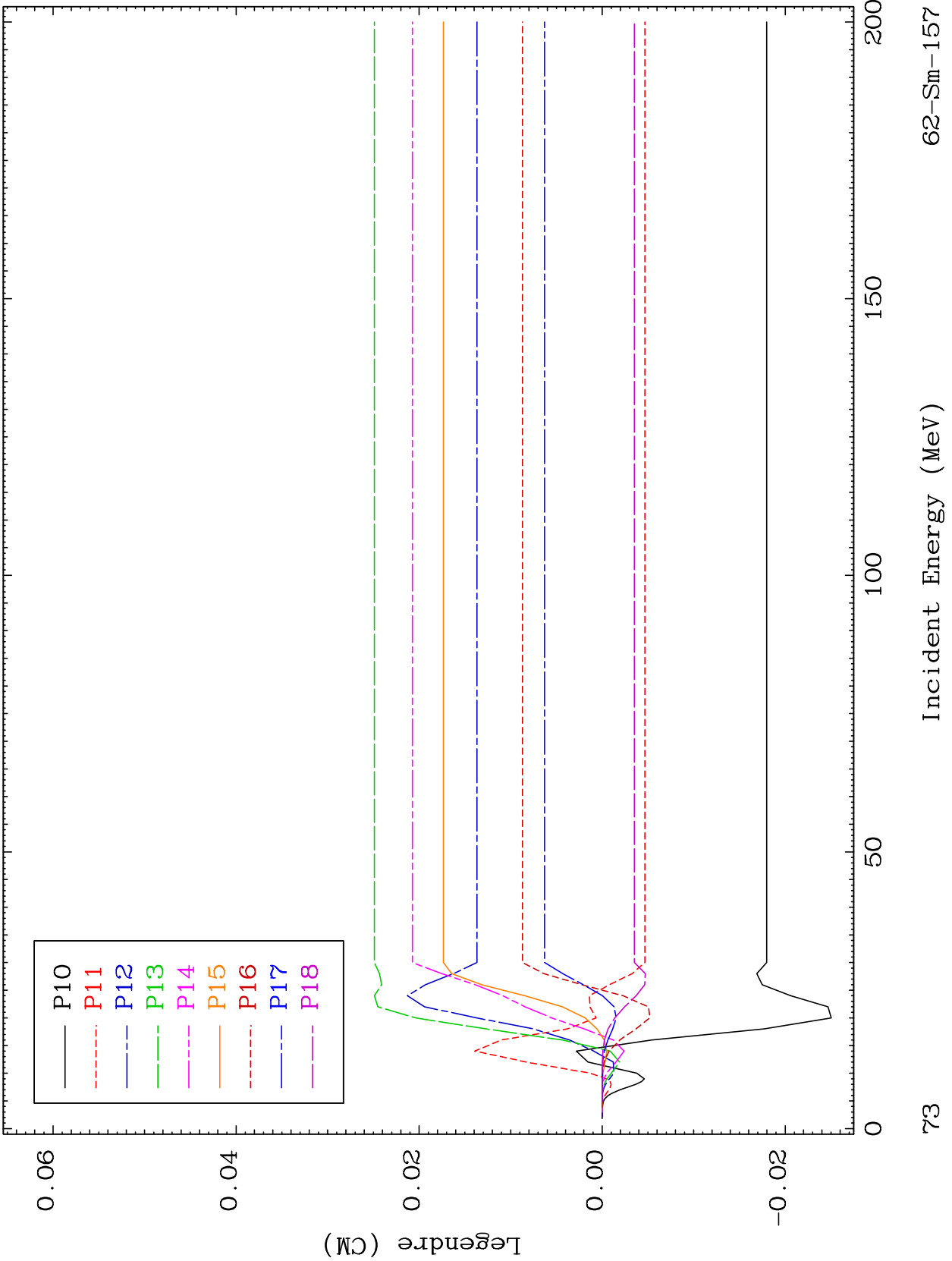
Incident Energy (MeV)

72

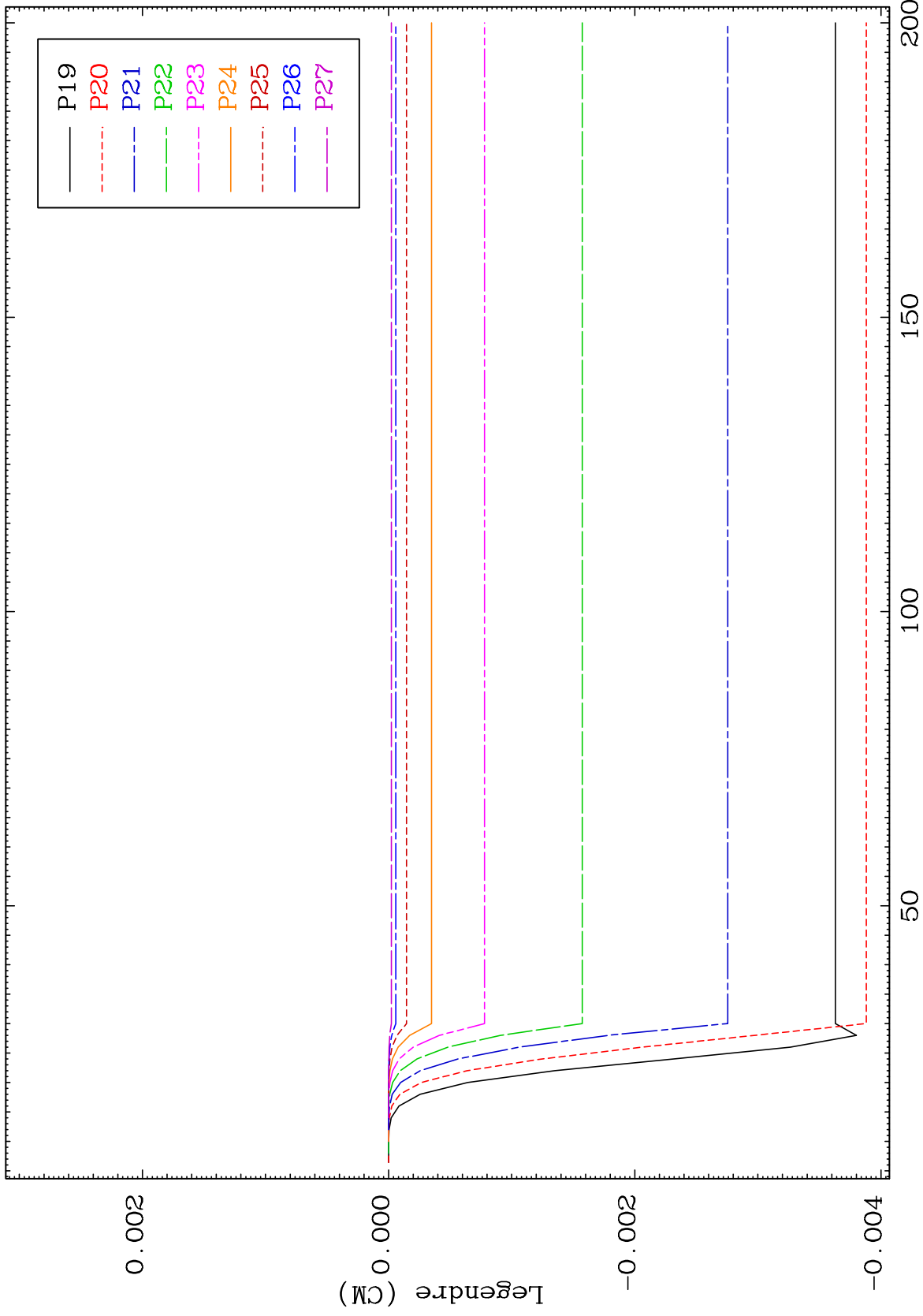
MAT 6264

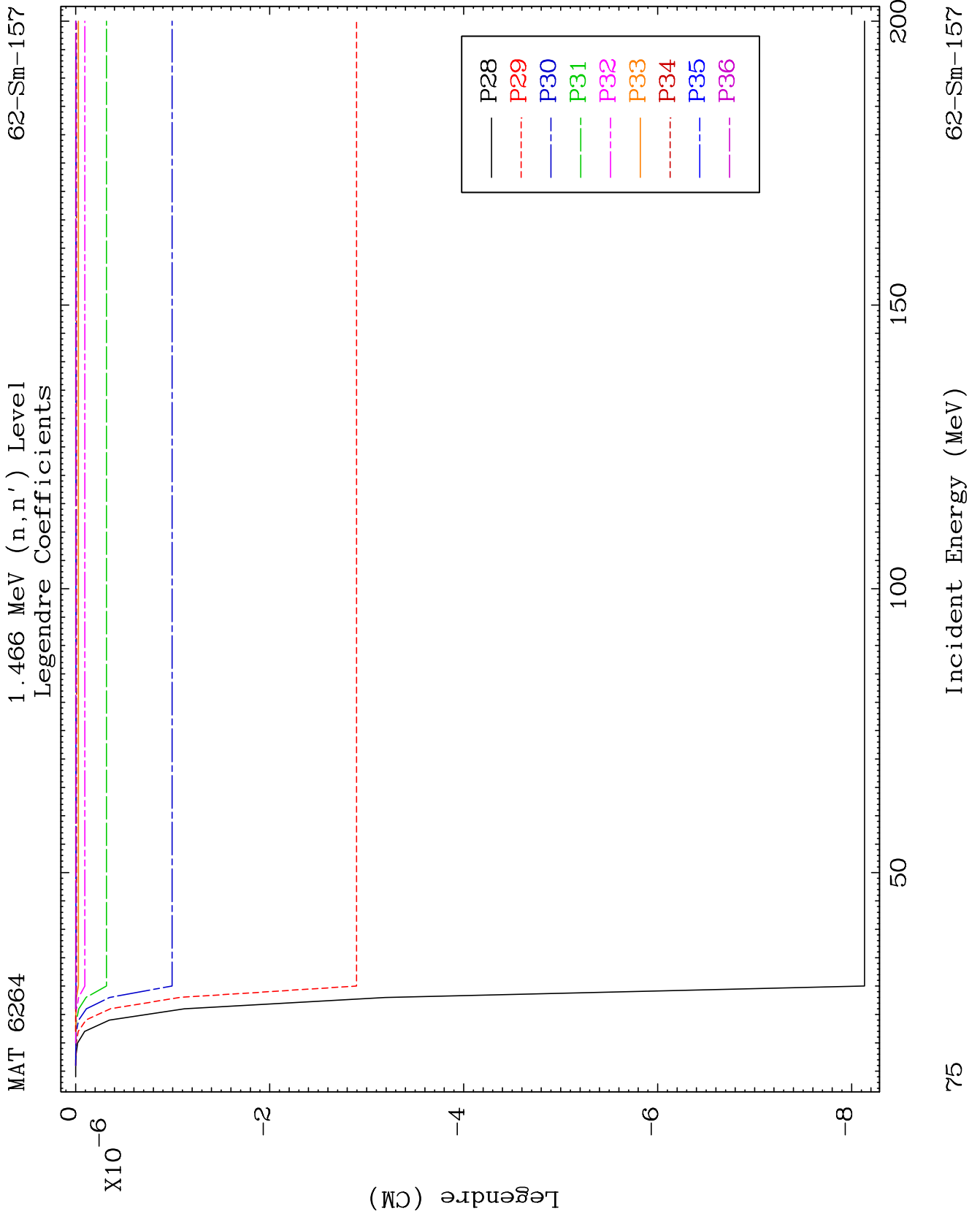
1.466 MeV (n, n') Level
Legendre Coefficients

62-Sm-157



73

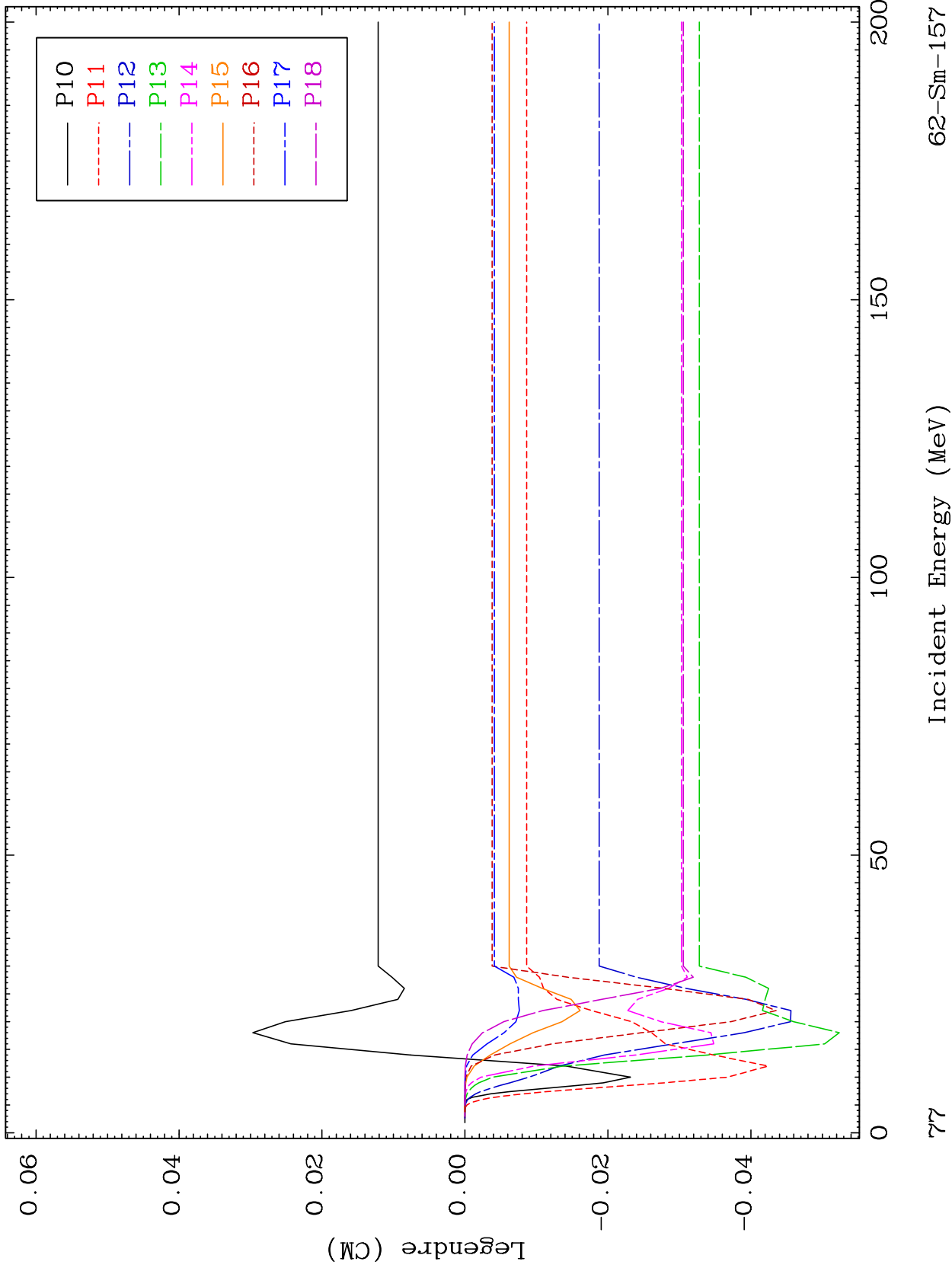




MAT 6264

1.478 MeV (n,n') Level
Legendre Coefficients

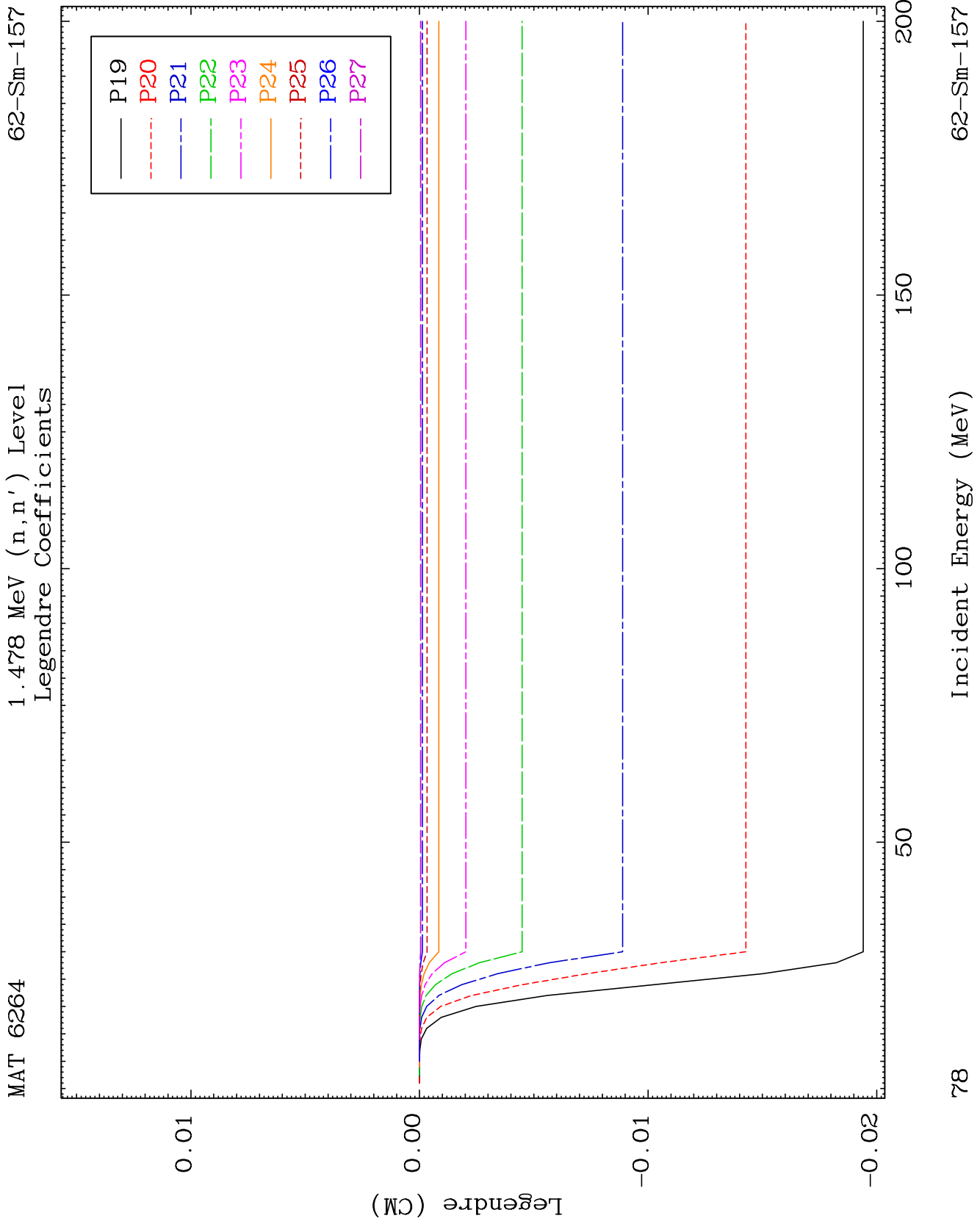
62-Sm-157

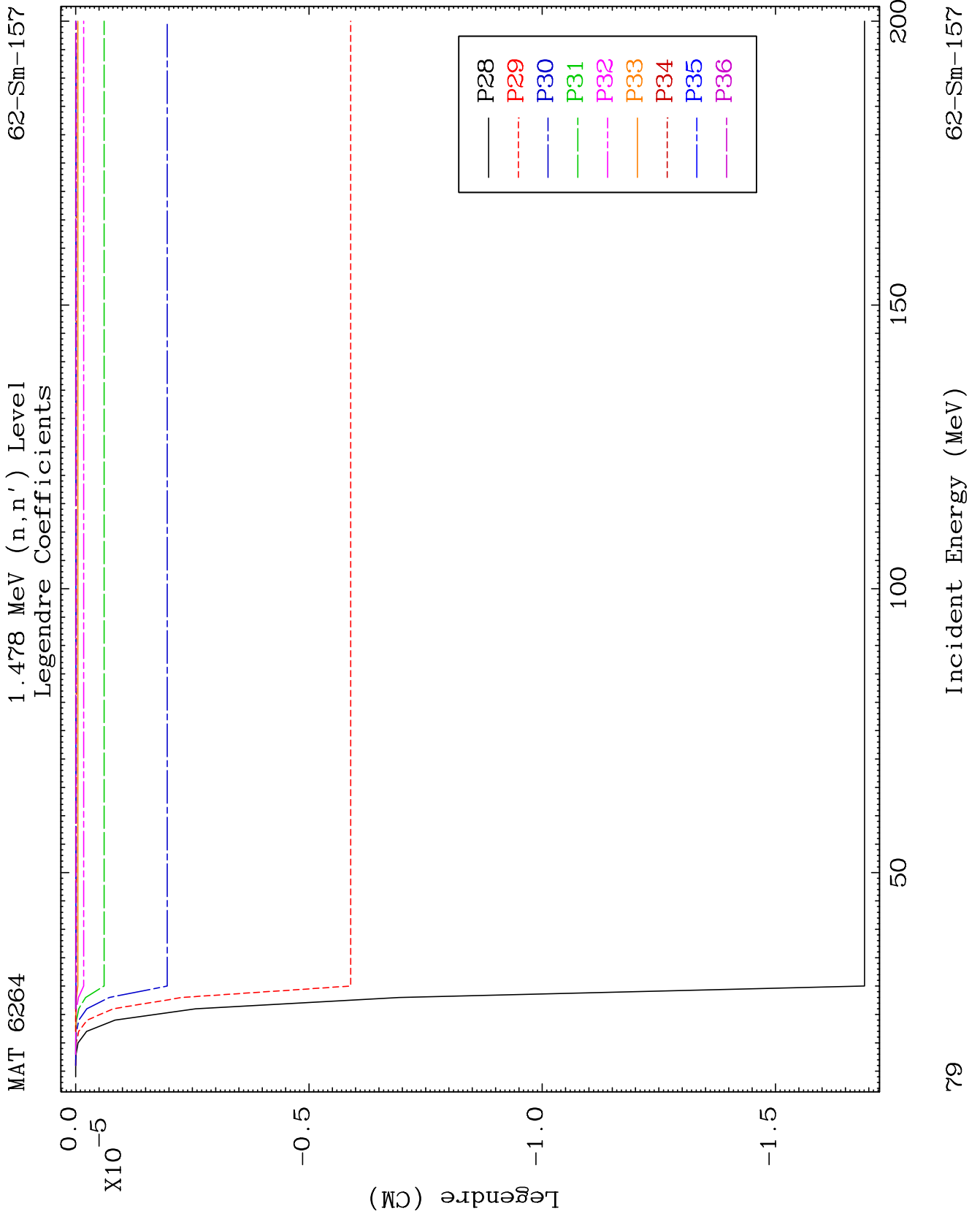


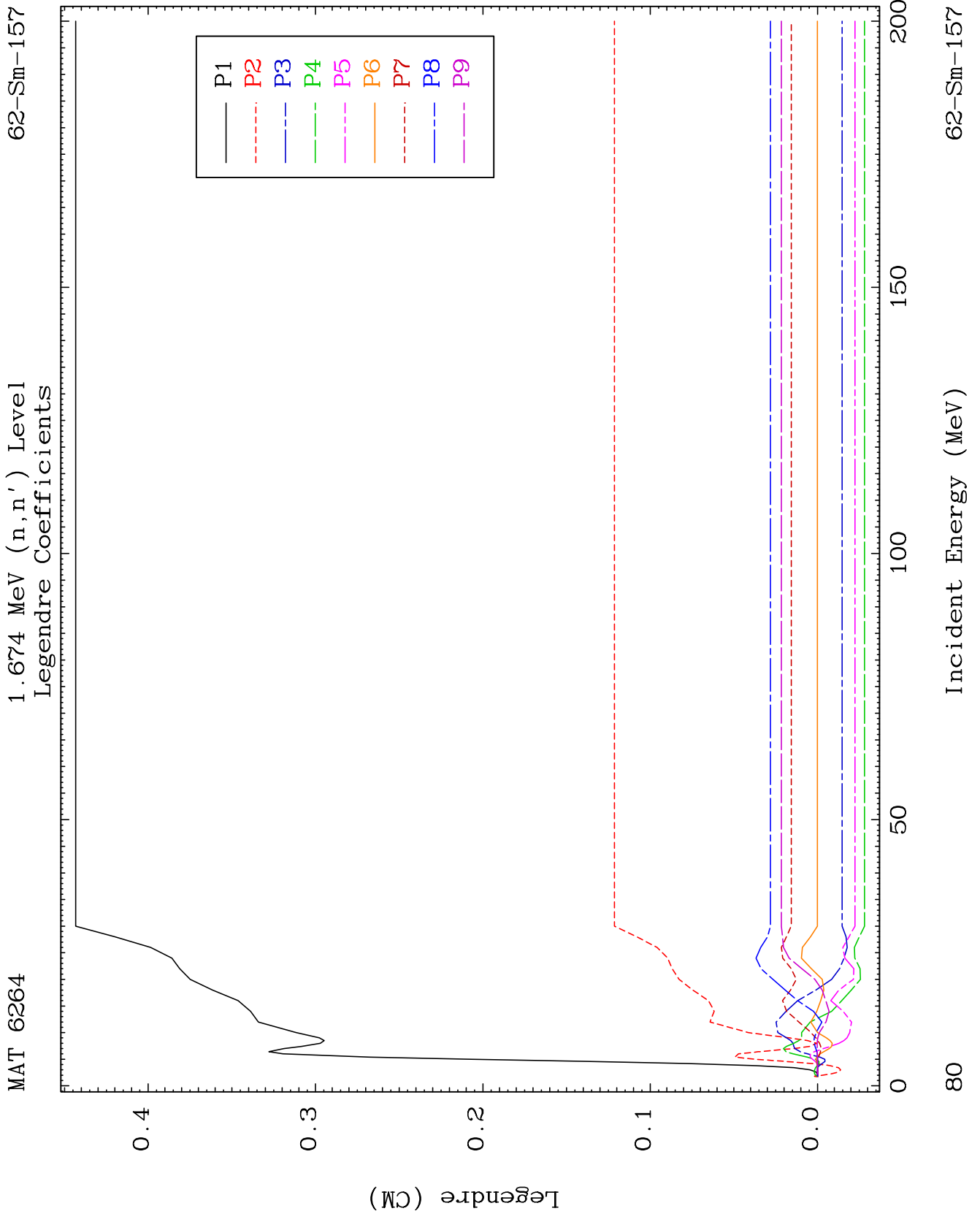
77

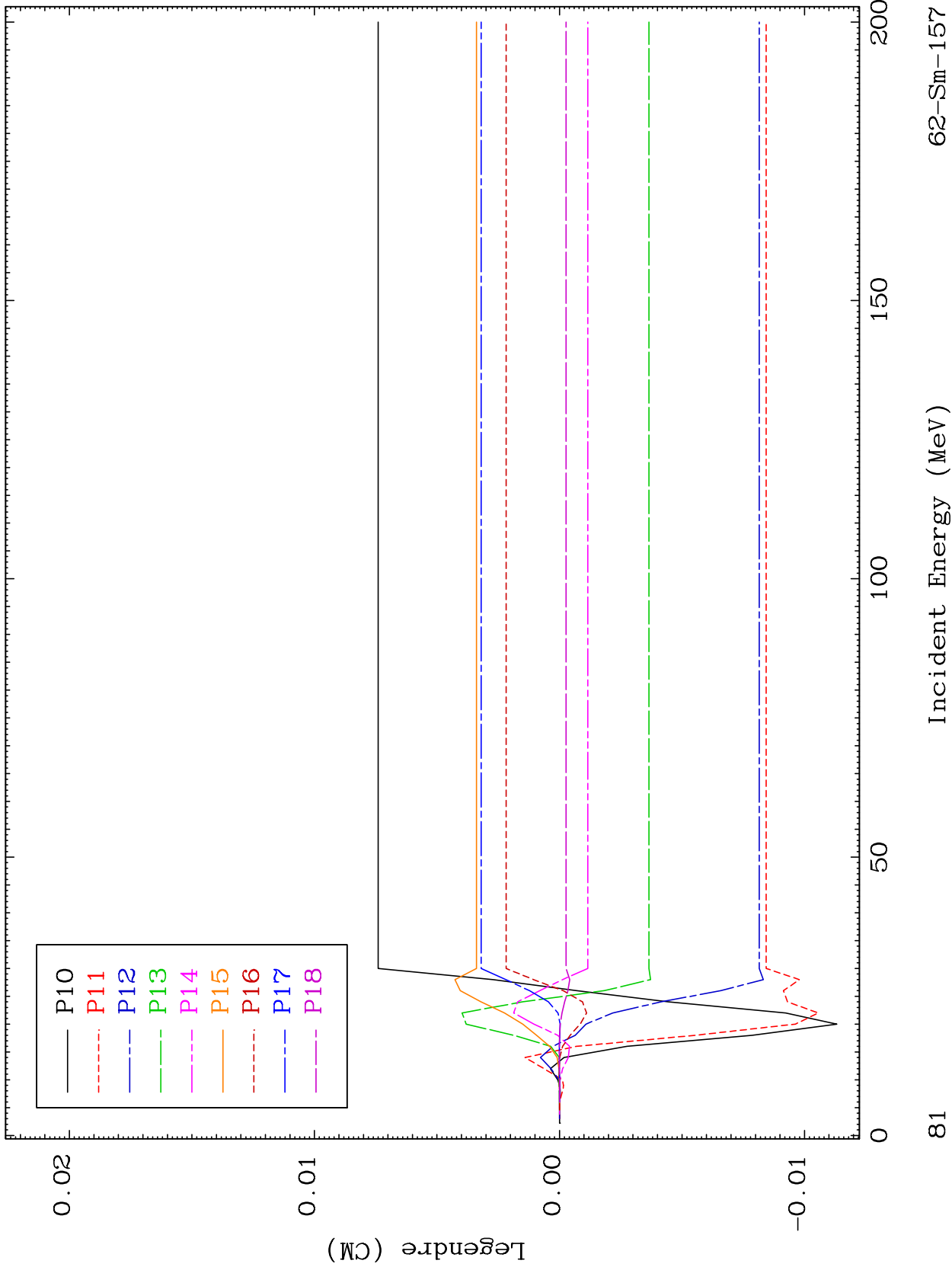
Incident Energy (MeV)

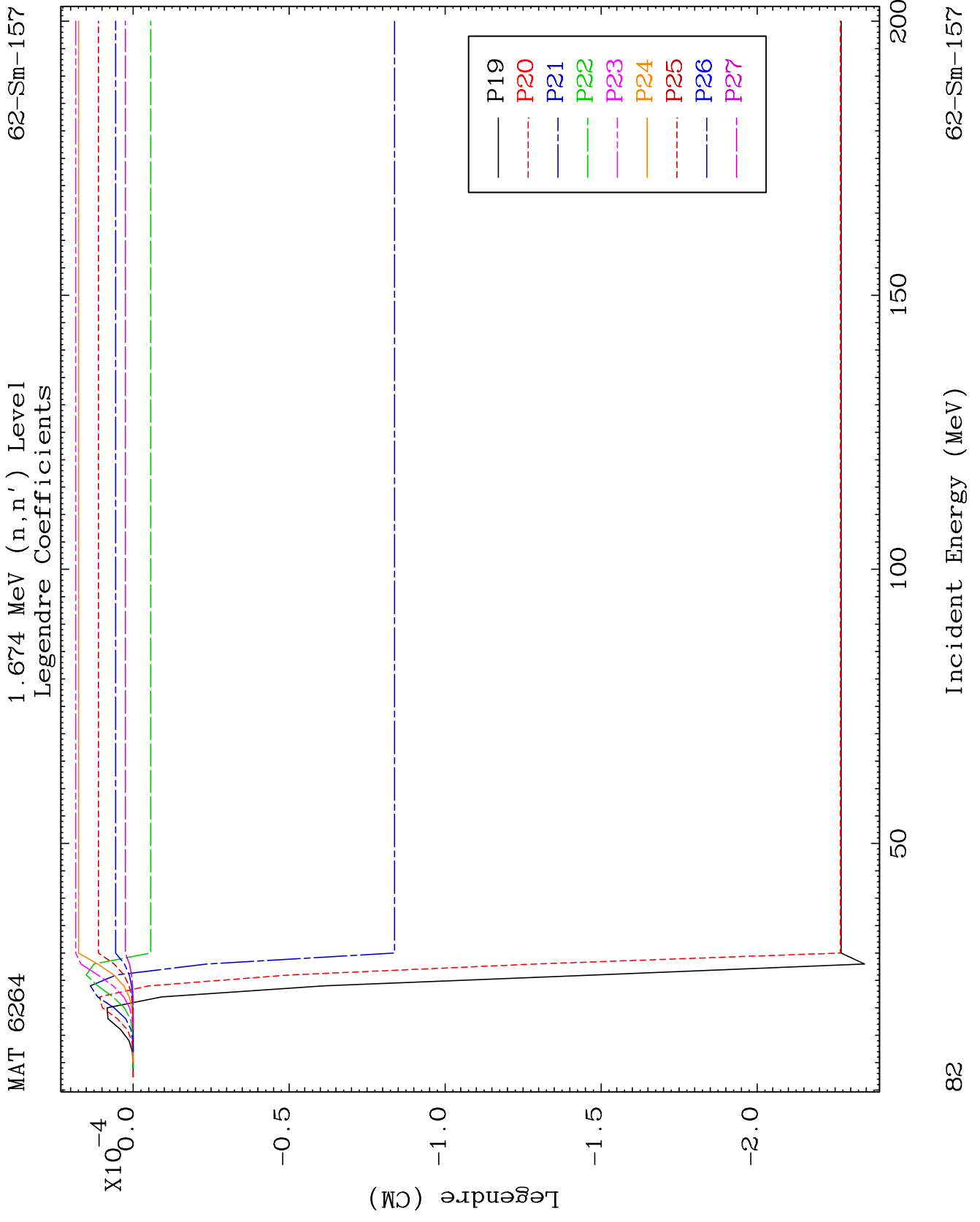
62-Sm-157







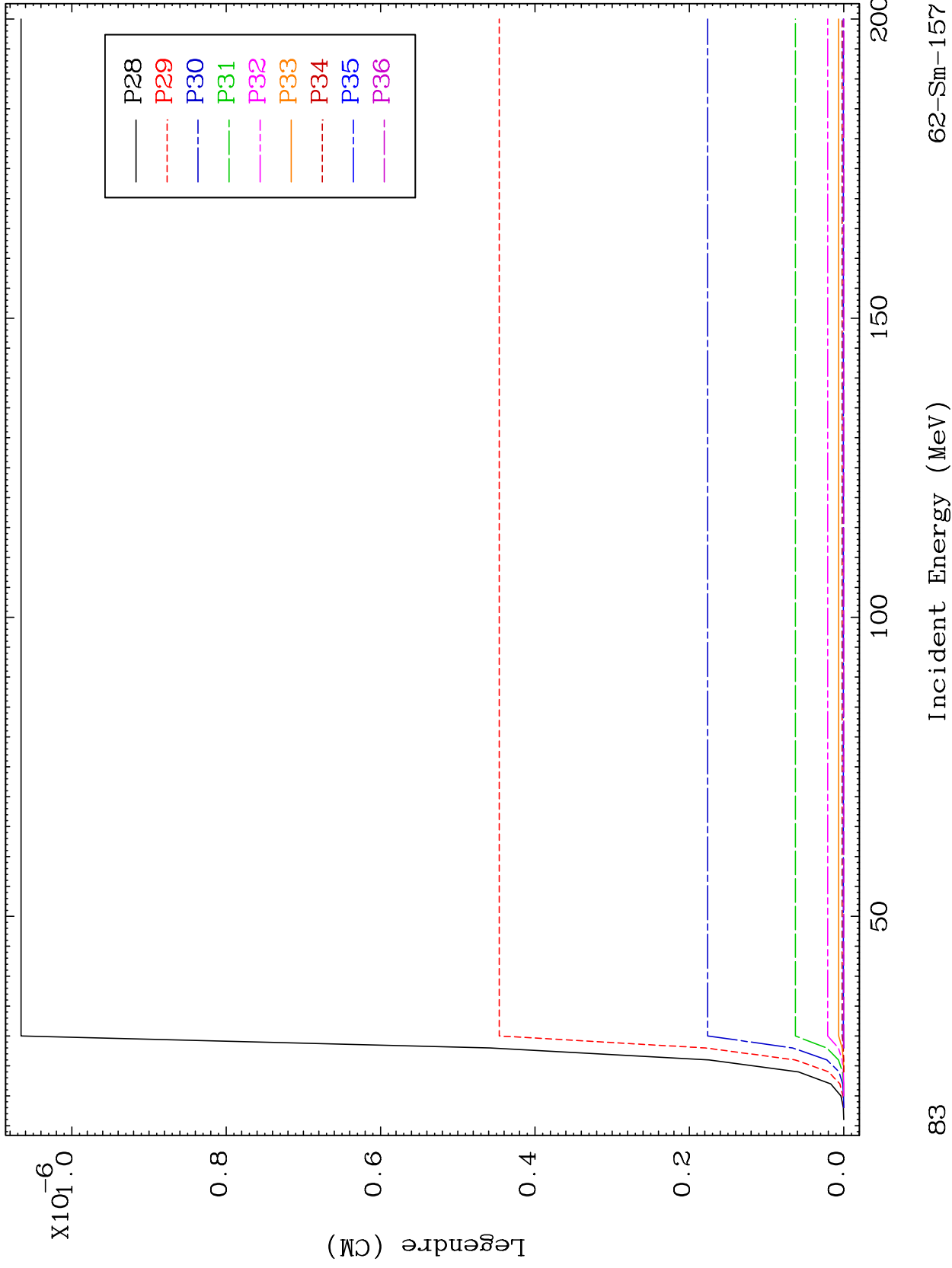




MAT 6264

1.674 MeV (n,n') Level
Legendre Coefficients

62-Sm-157



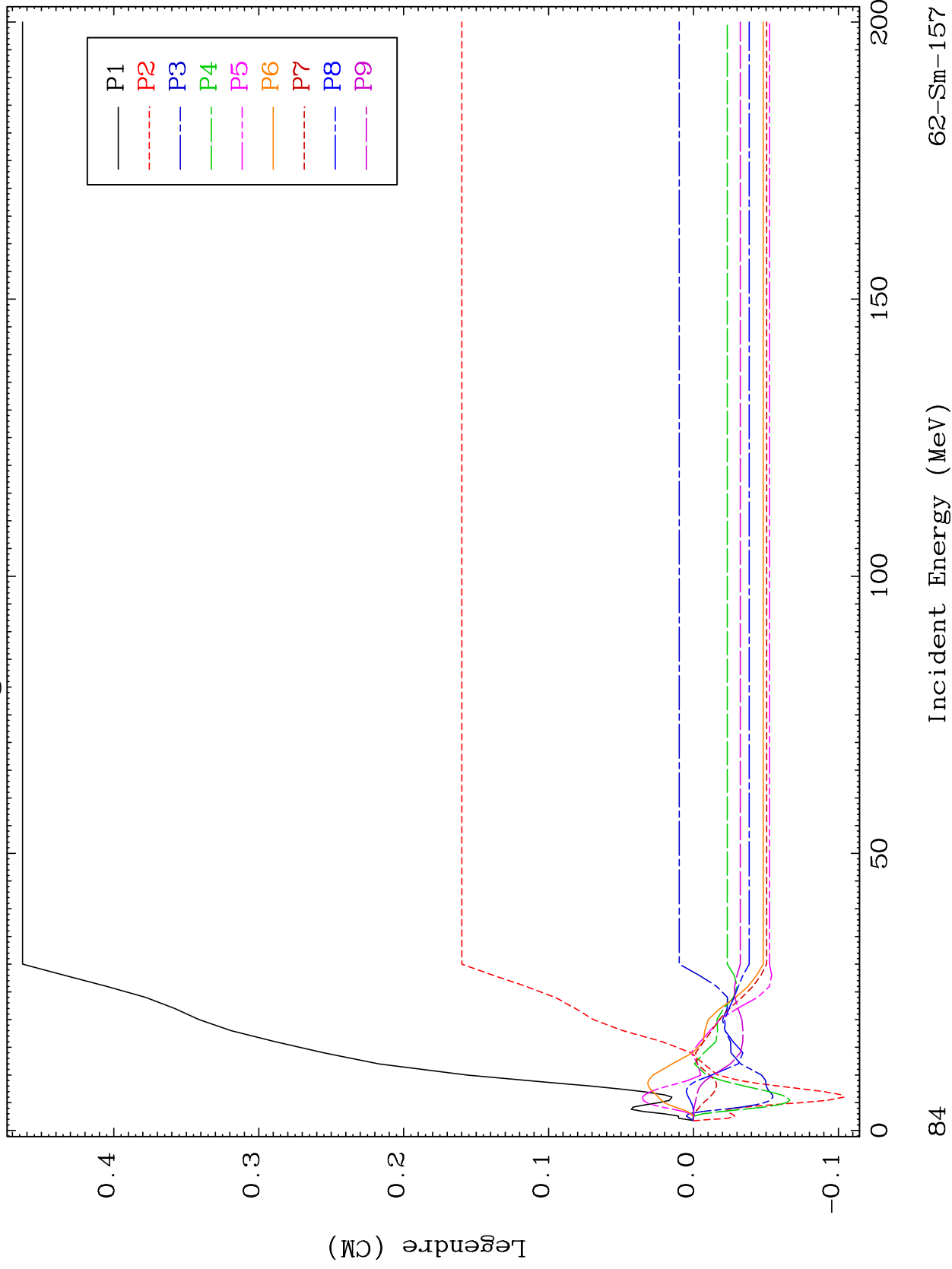
83

62-Sm-157

MAT 6264

1.694 MeV (n,n') Level
Legendre Coefficients

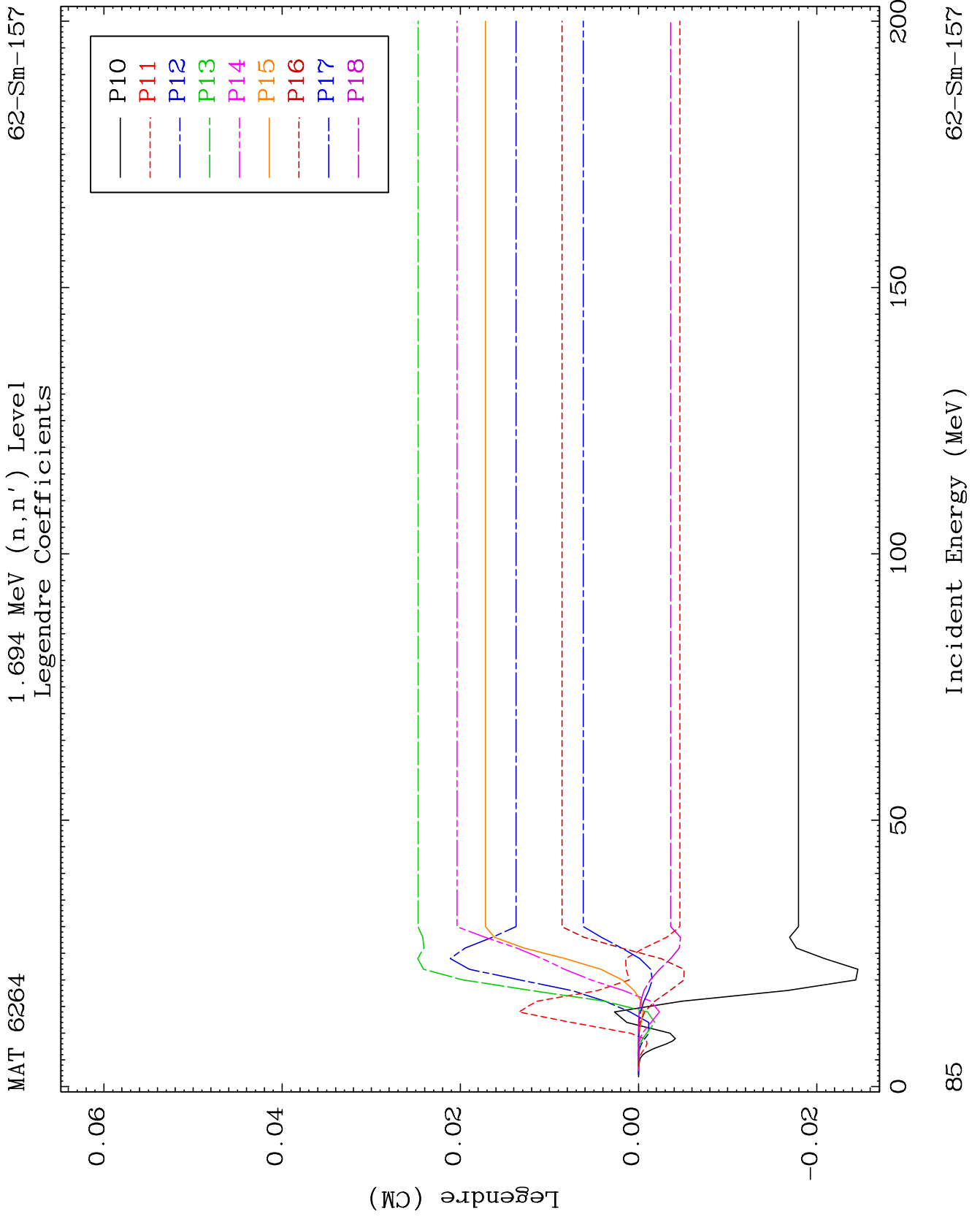
62-Sm-157

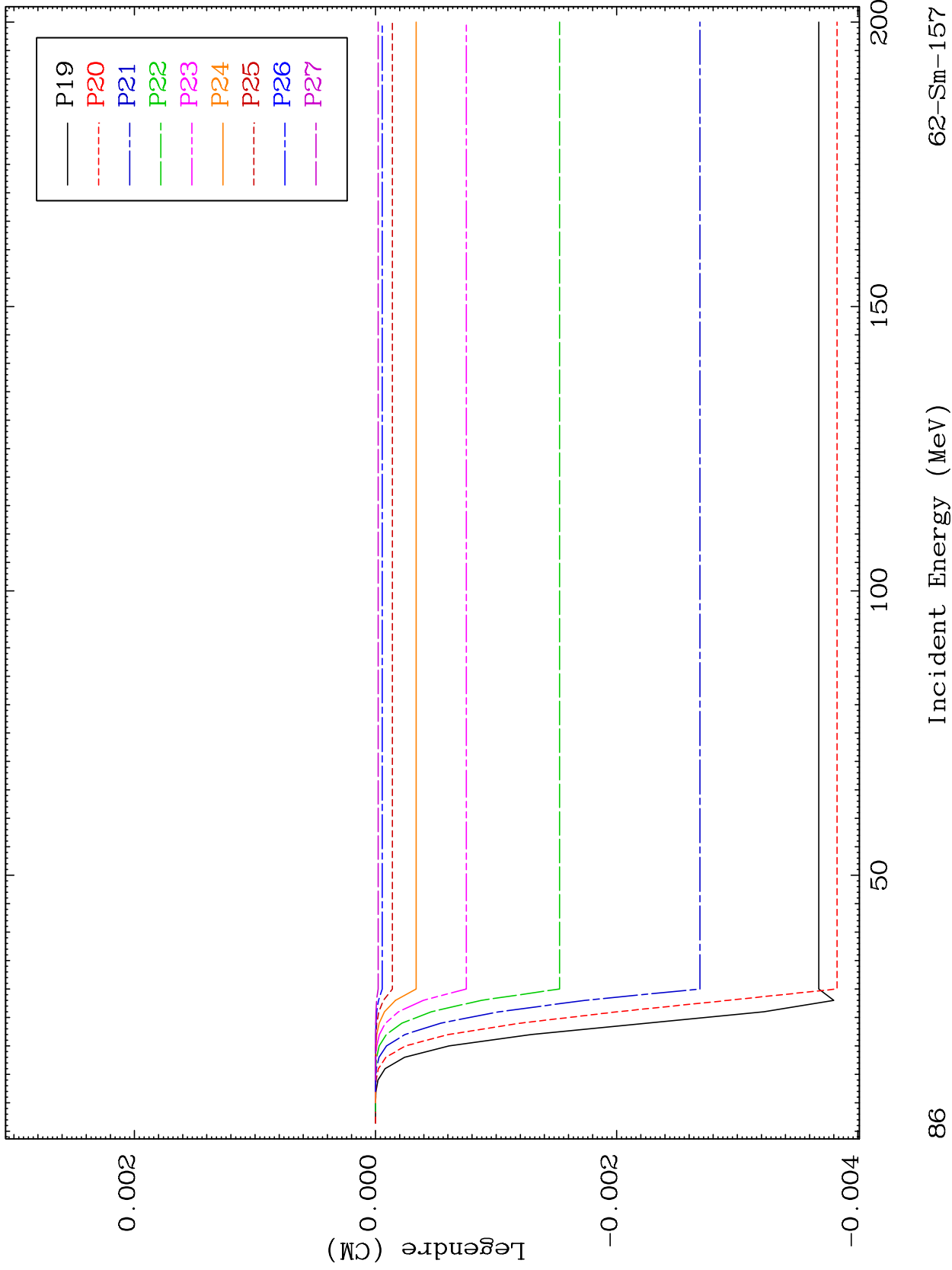


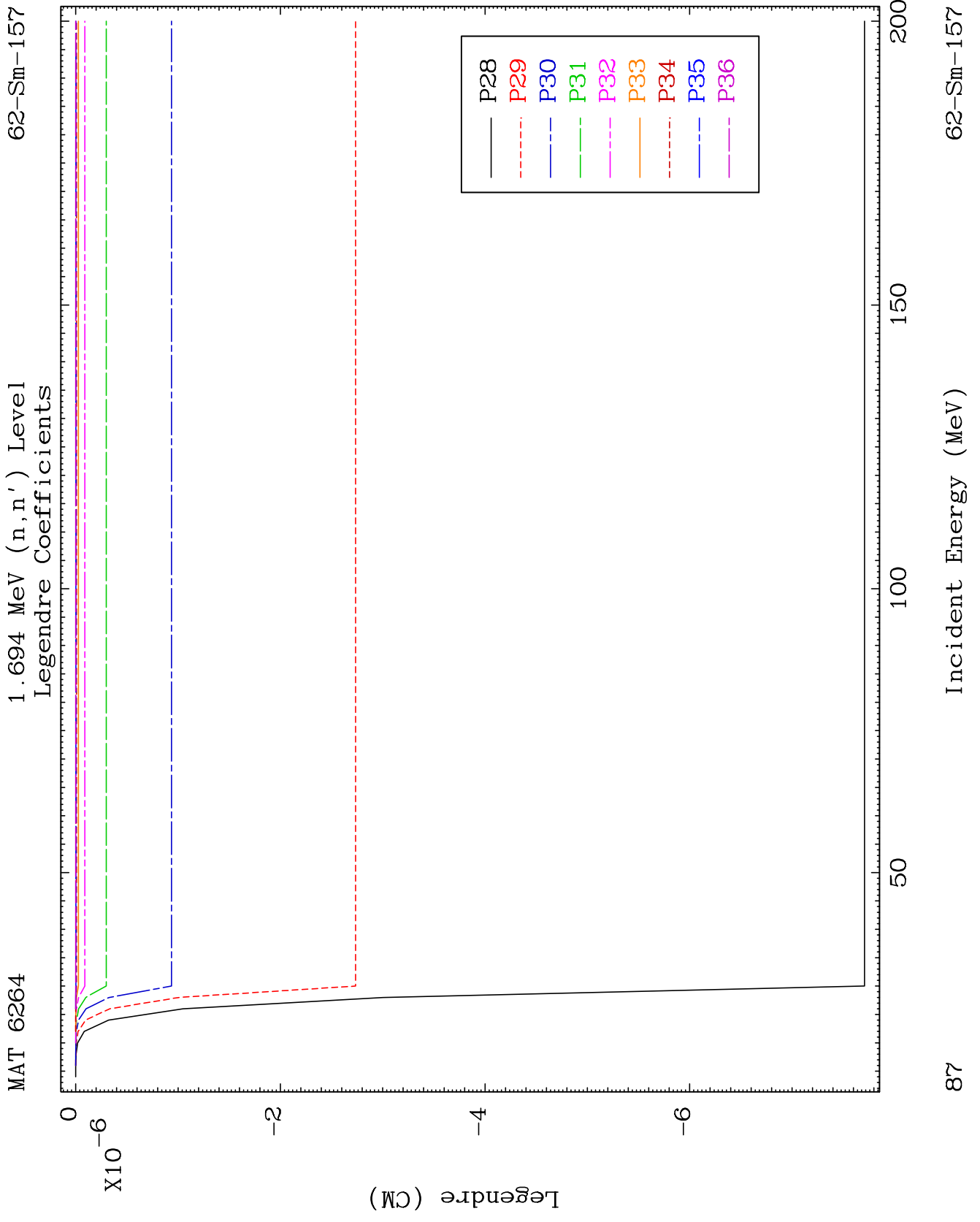
62-Sm-157

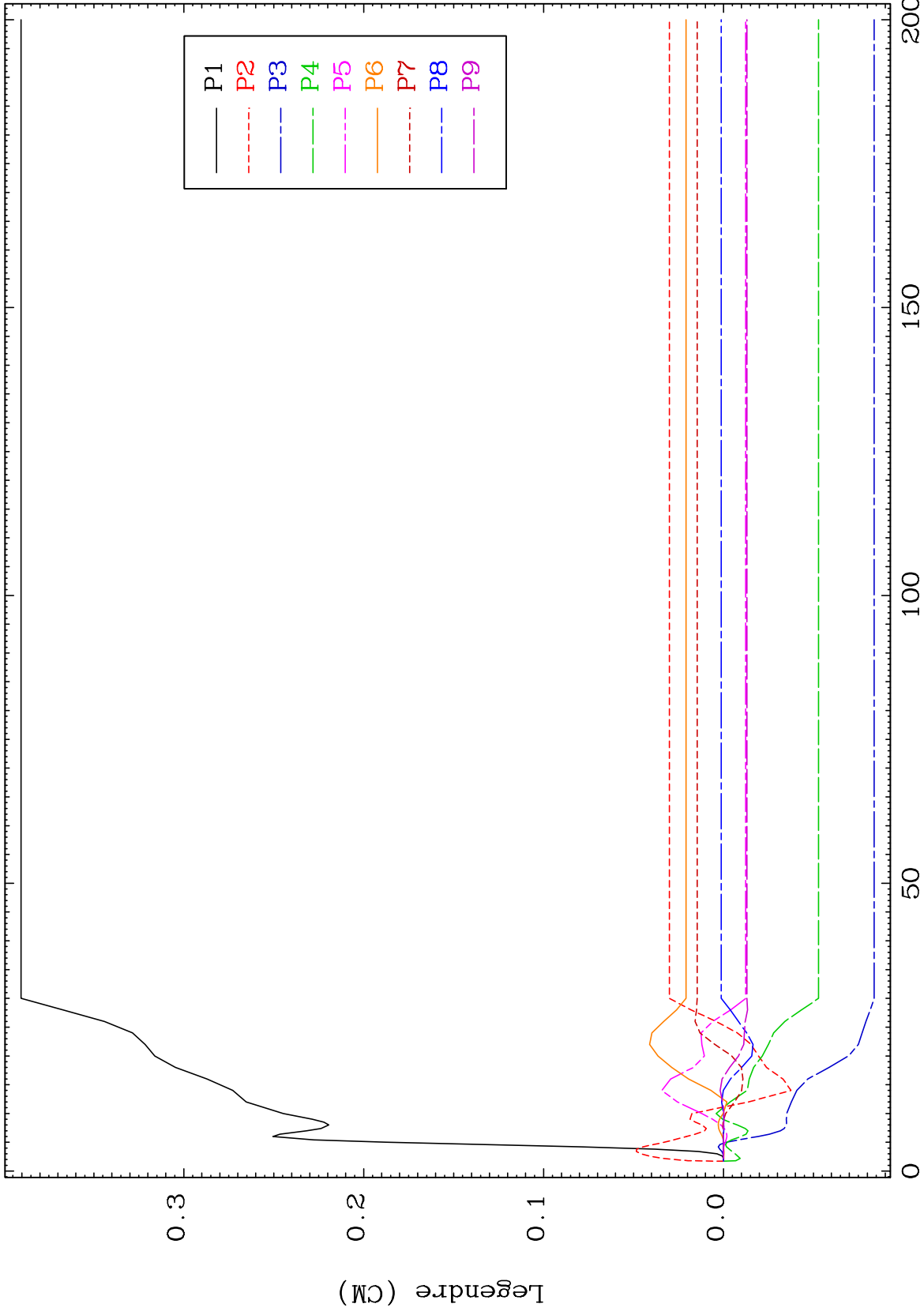
Incident Energy (MeV)

84





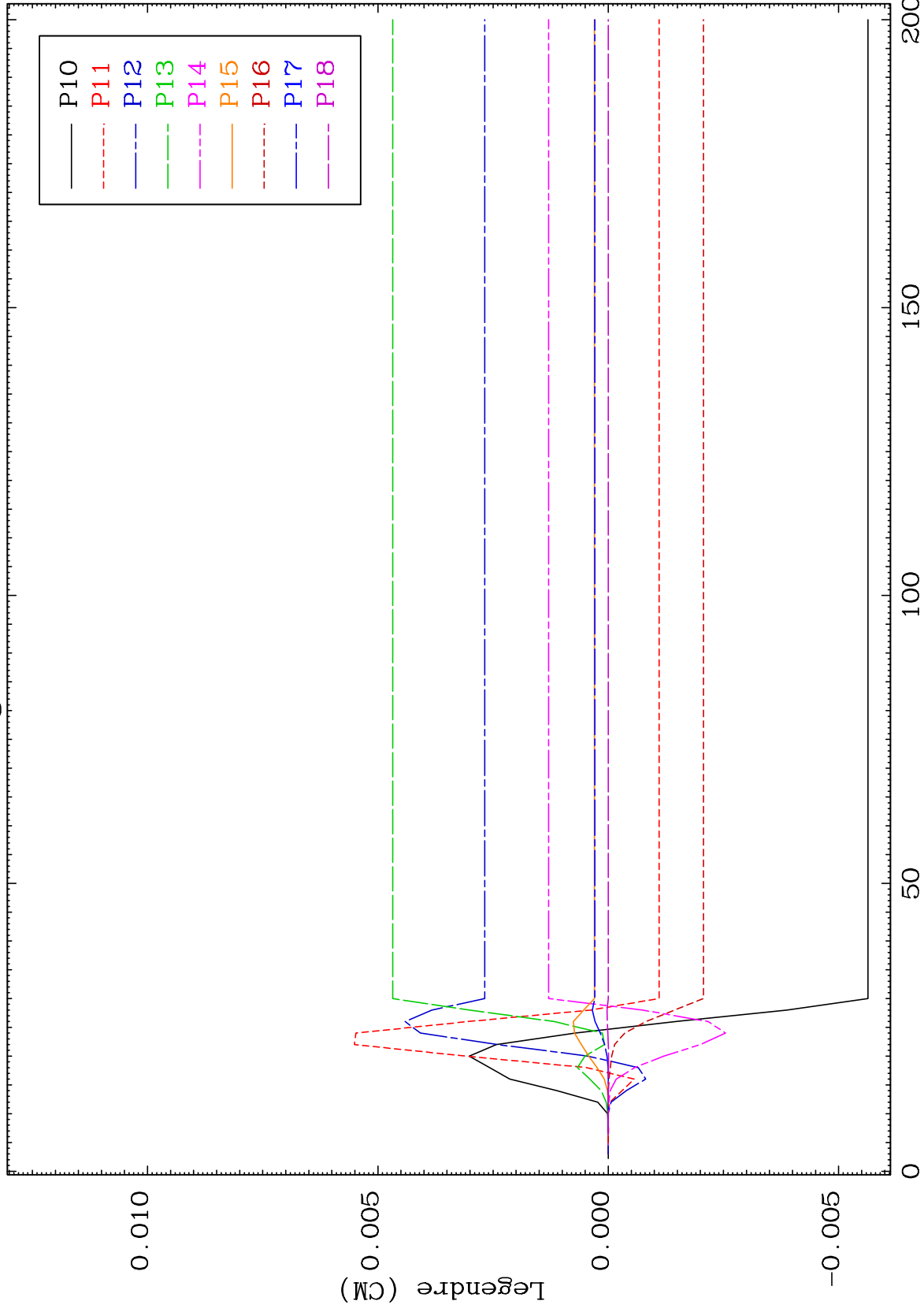




MAT 6264

1.697 MeV (n,n') Level
Legendre Coefficients

62-Sm-157



89

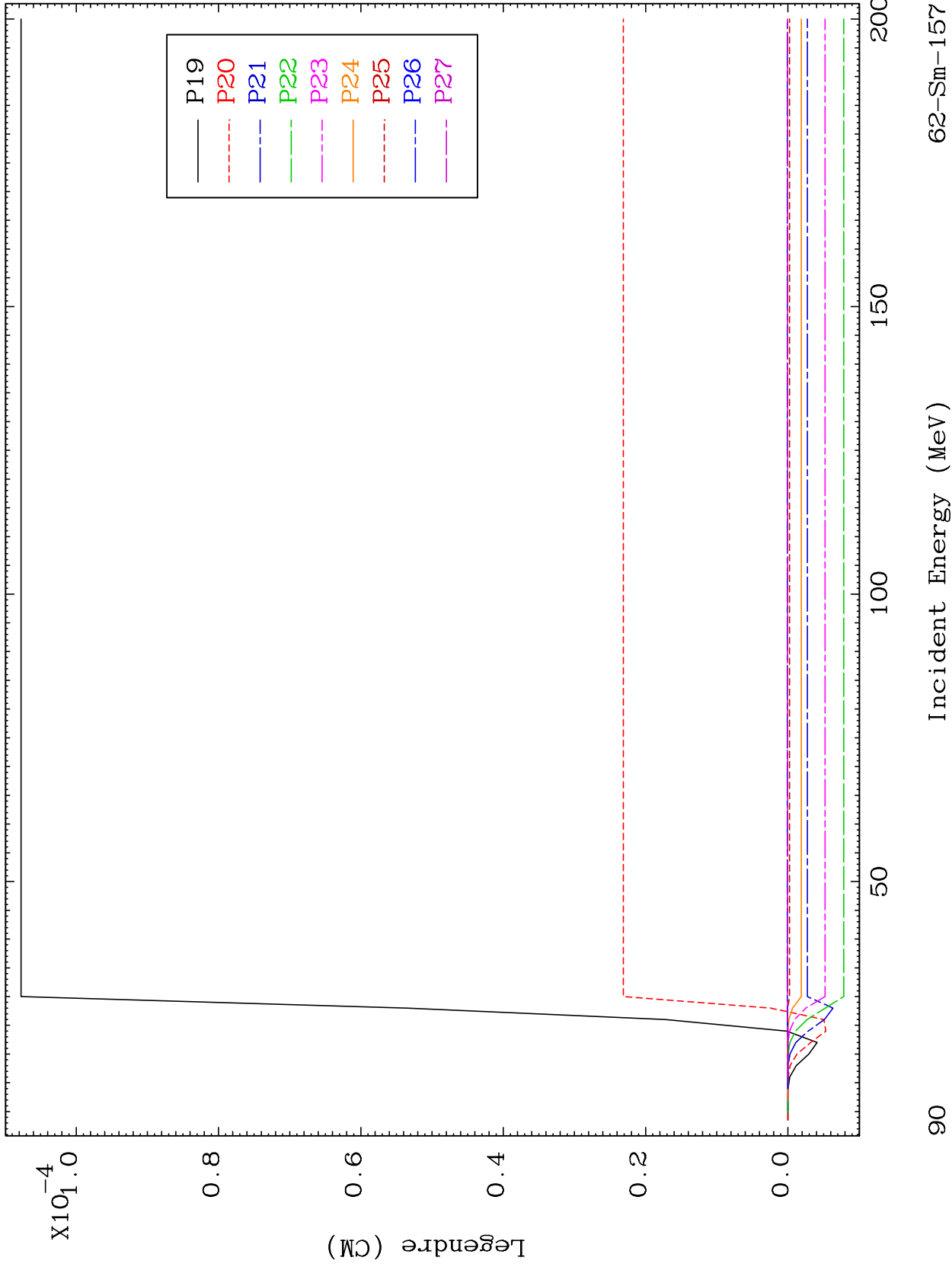
Incident Energy (MeV)

62-Sm-157

MAT 6264

1.697 MeV (n,n') Level
Legendre Coefficients

62-Sm-157



62-Sm-157

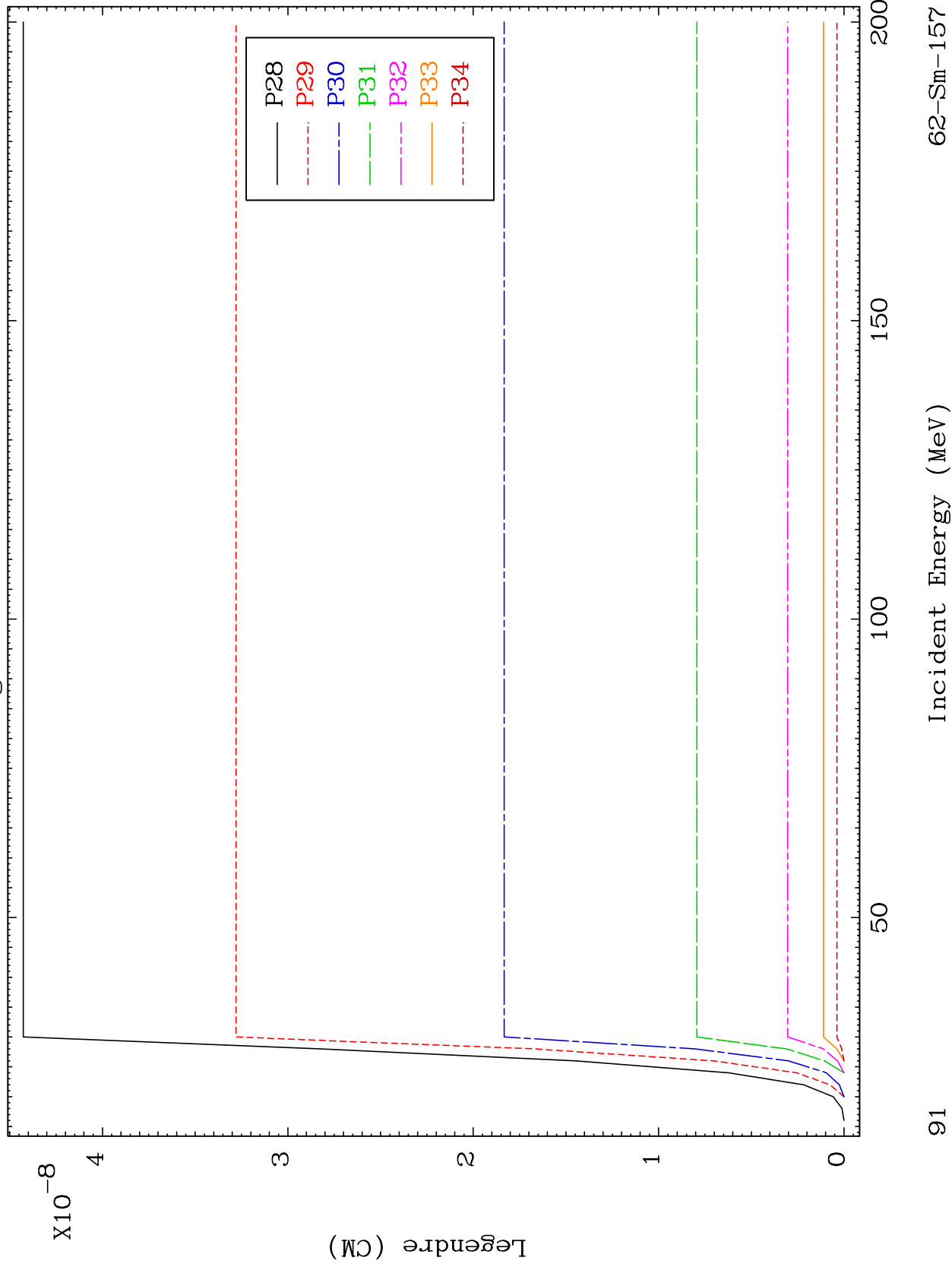
Incident Energy (MeV)

90

MAT 6264

1.697 MeV (n,n') Level
Legendre Coefficients

62-Sm-157



91

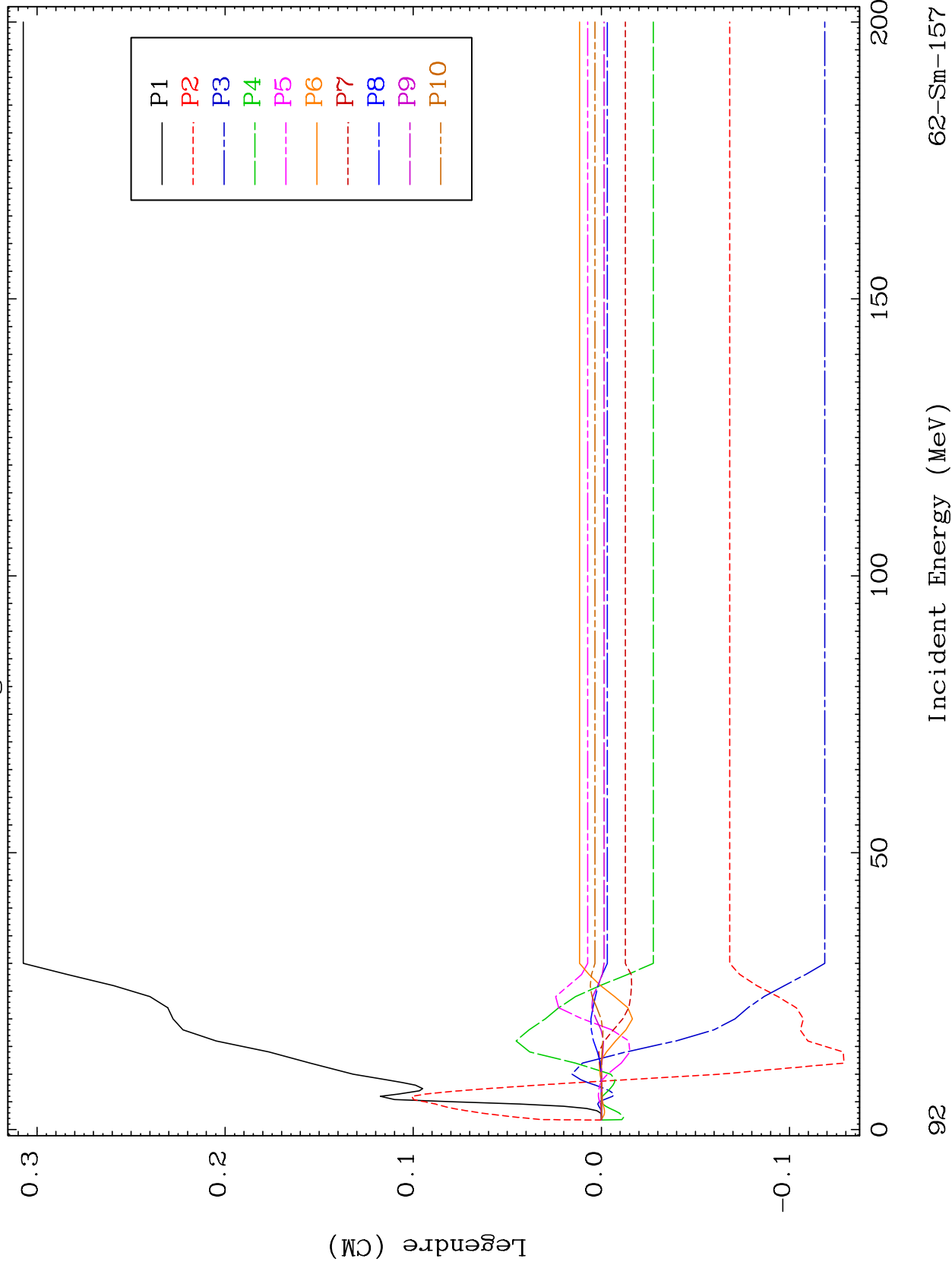
Incident Energy (MeV)

62-Sm-157

MAT 6264

1.698 MeV (n,n') Level
Legendre Coefficients

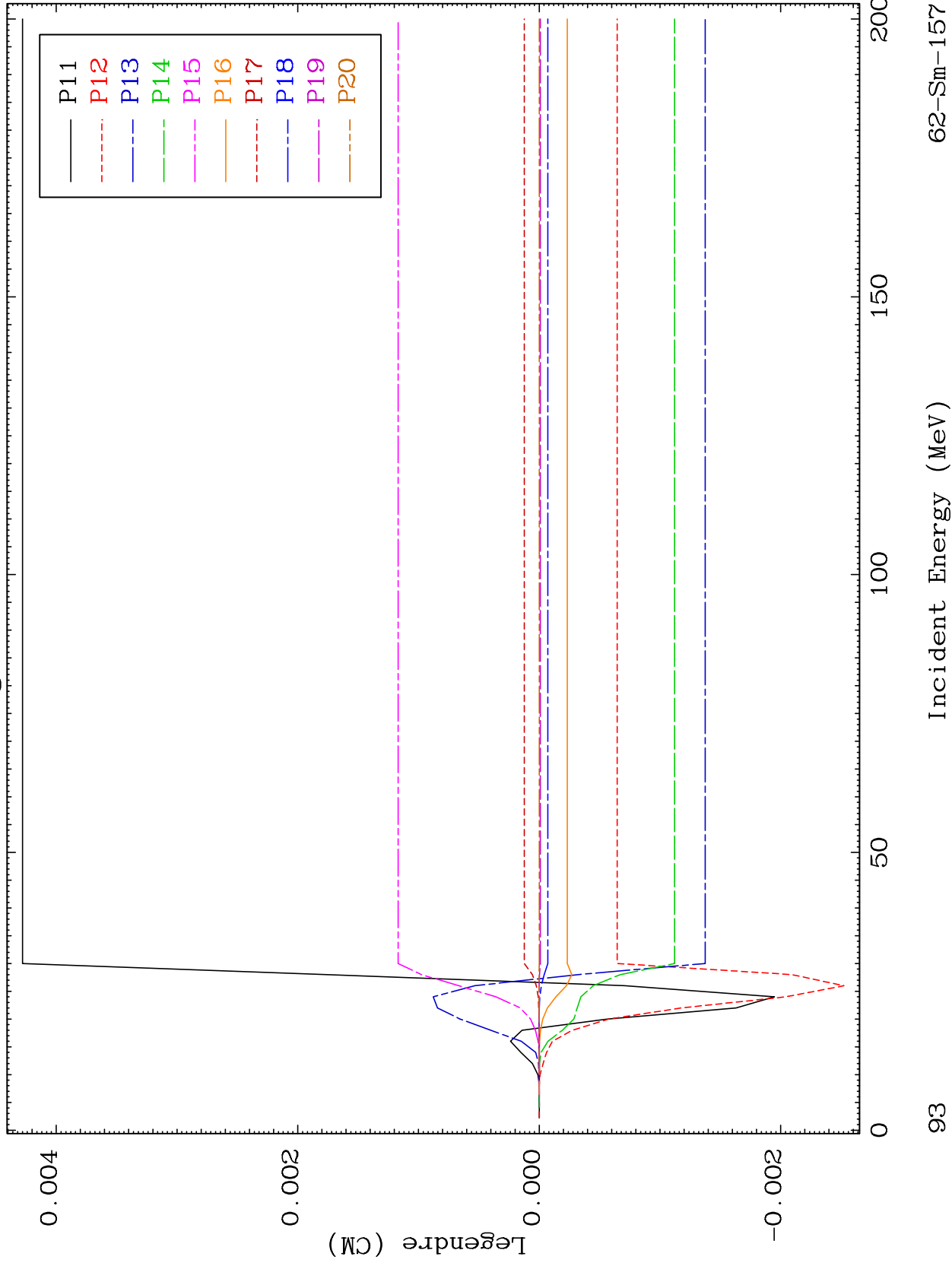
62-Sm-157



MAT 6264

1.698 MeV (n,n') Level
Legendre Coefficients

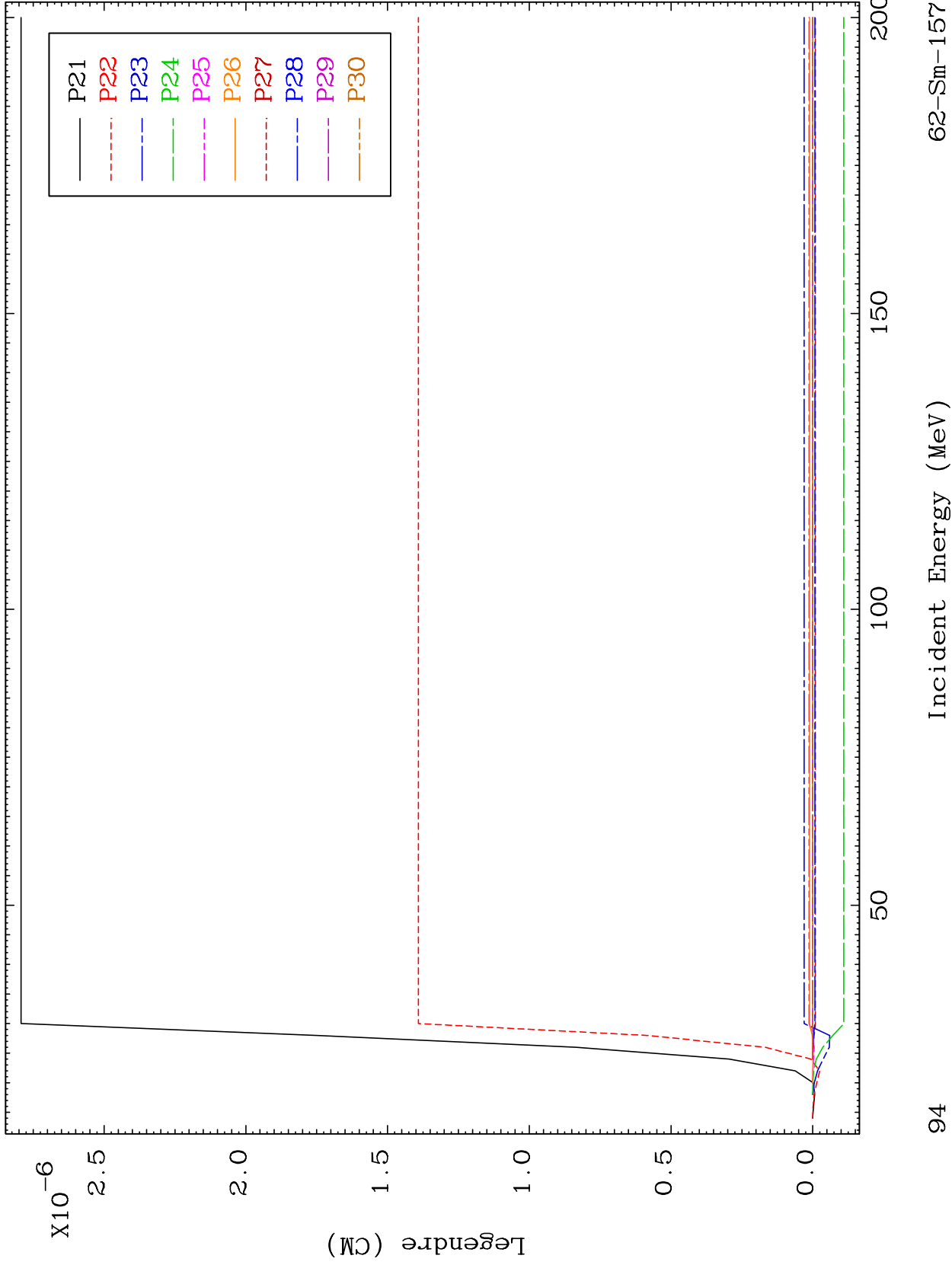
62-Sm-157



MAT 6264

1.698 MeV (n,n') Level
Legendre Coefficients

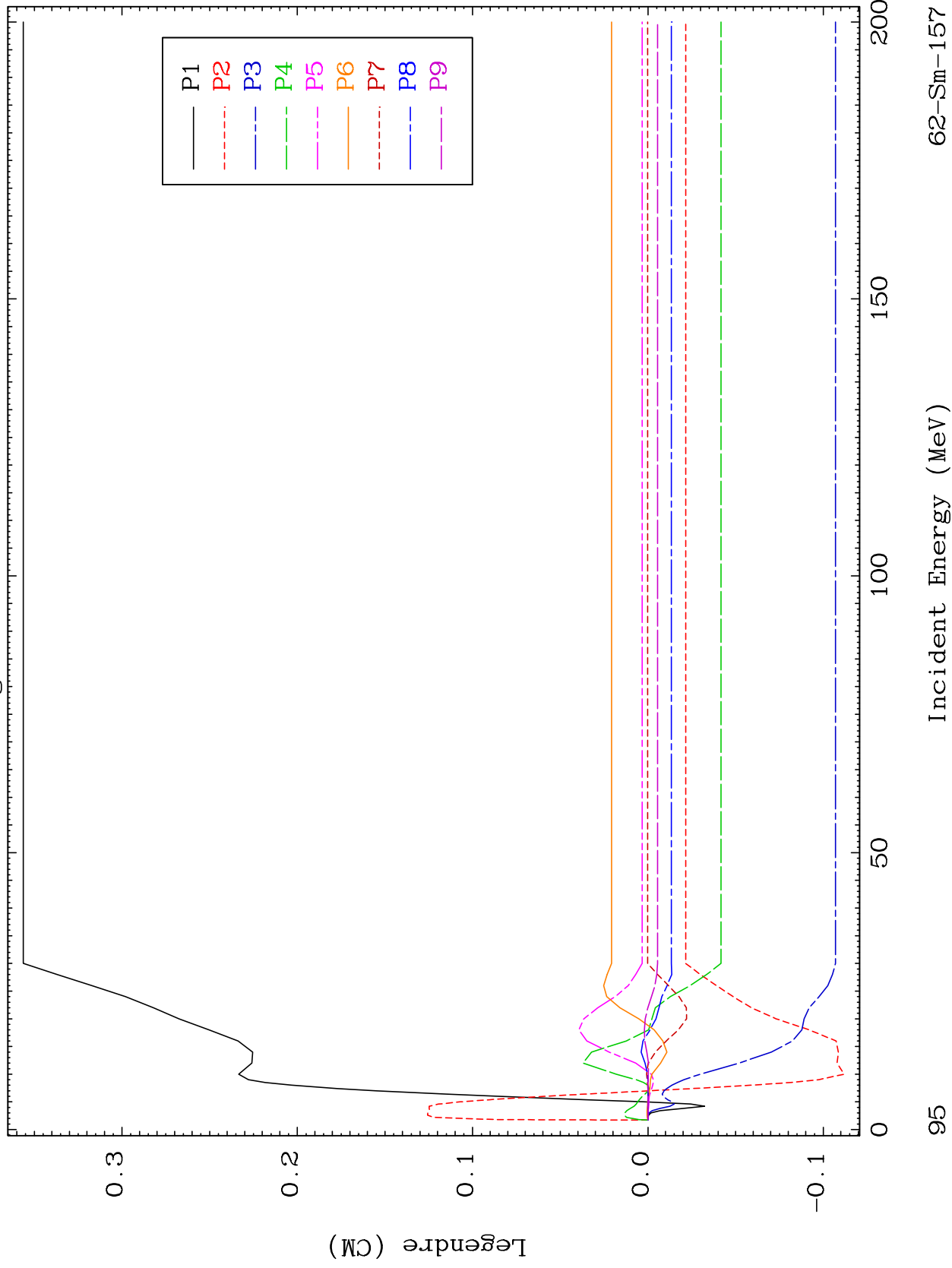
62-Sm-157



MAT 6264

1.701 MeV (n,n') Level
Legendre Coefficients

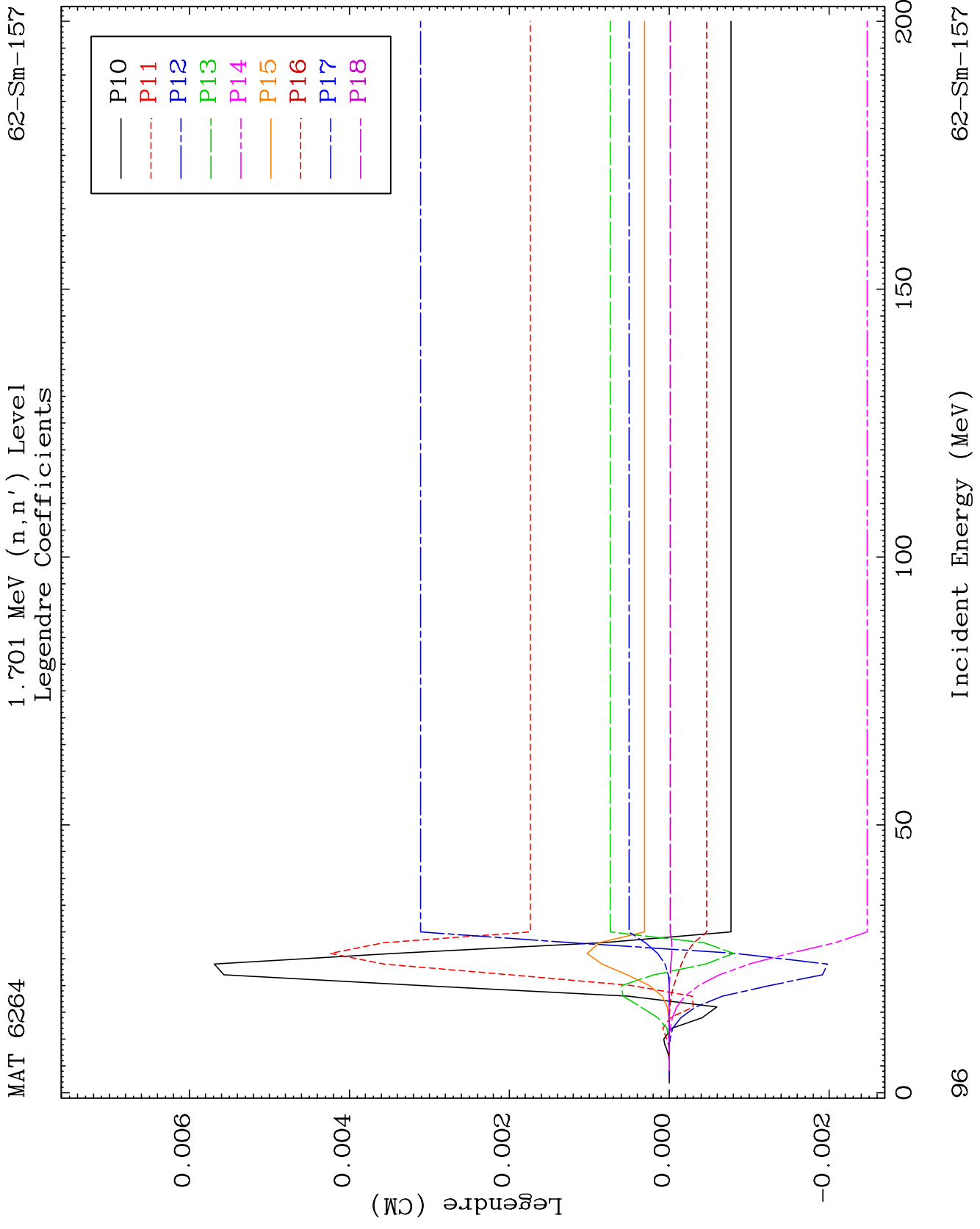
62-Sm-157

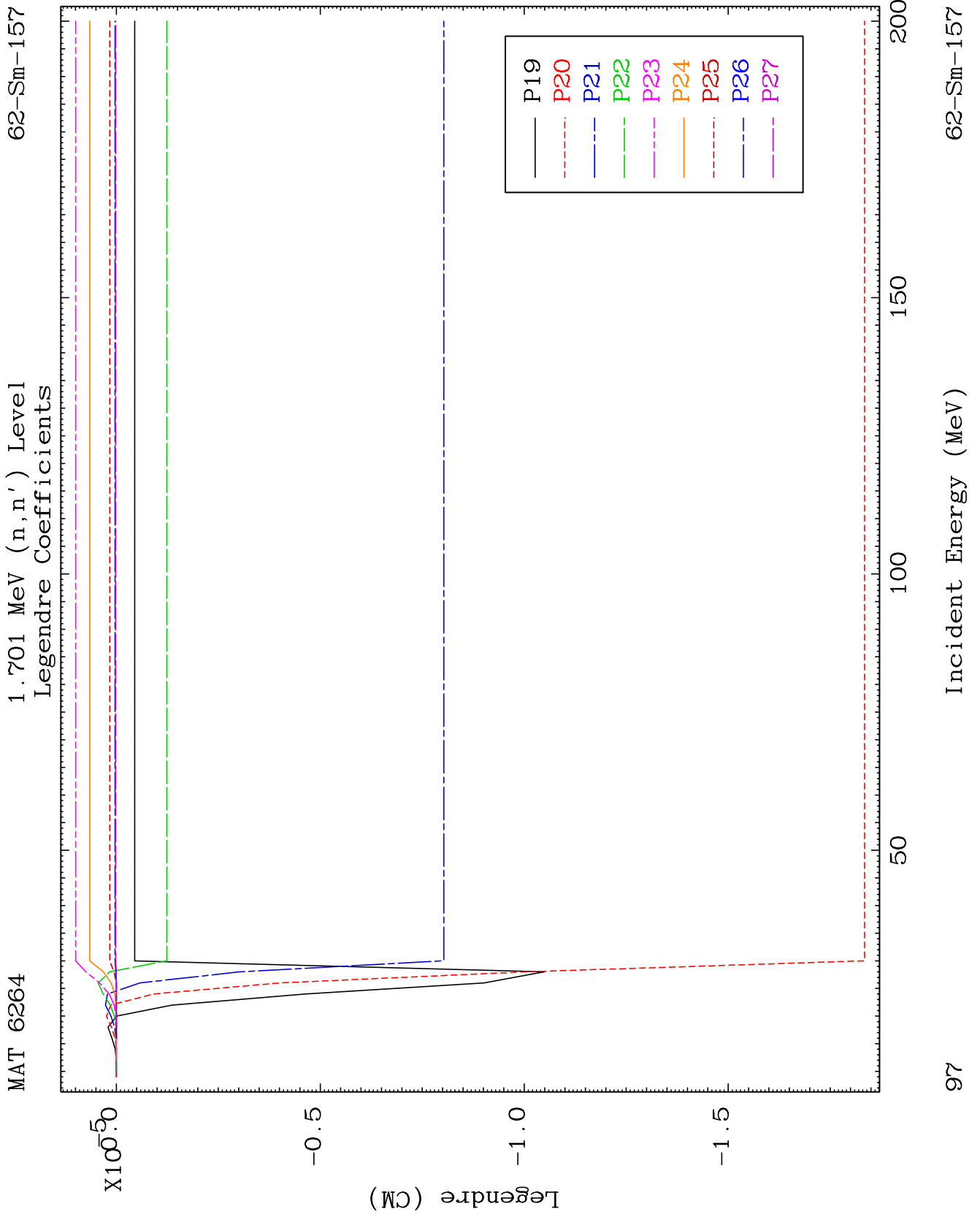


62-Sm-157

Incident Energy (MeV)

95

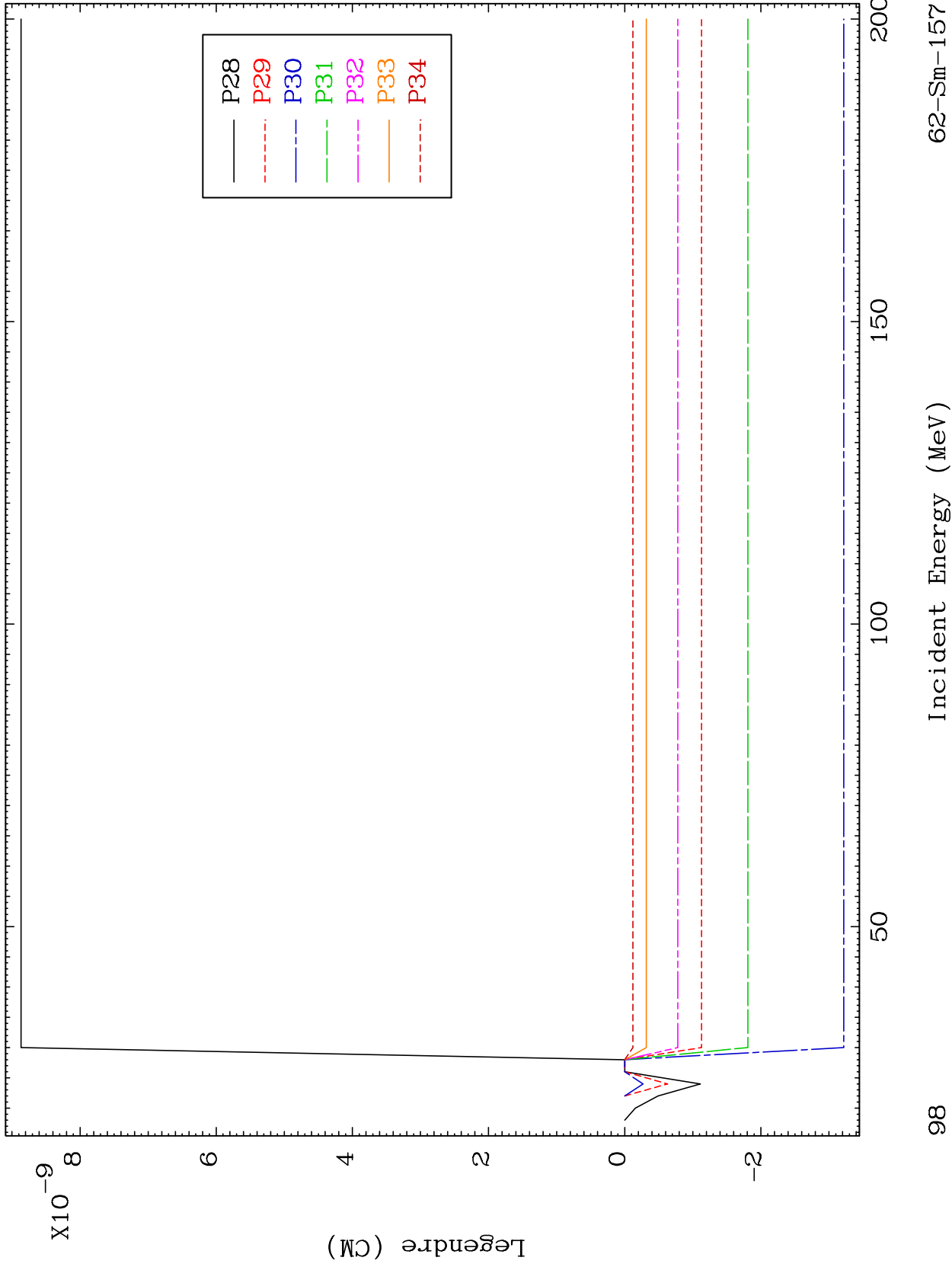


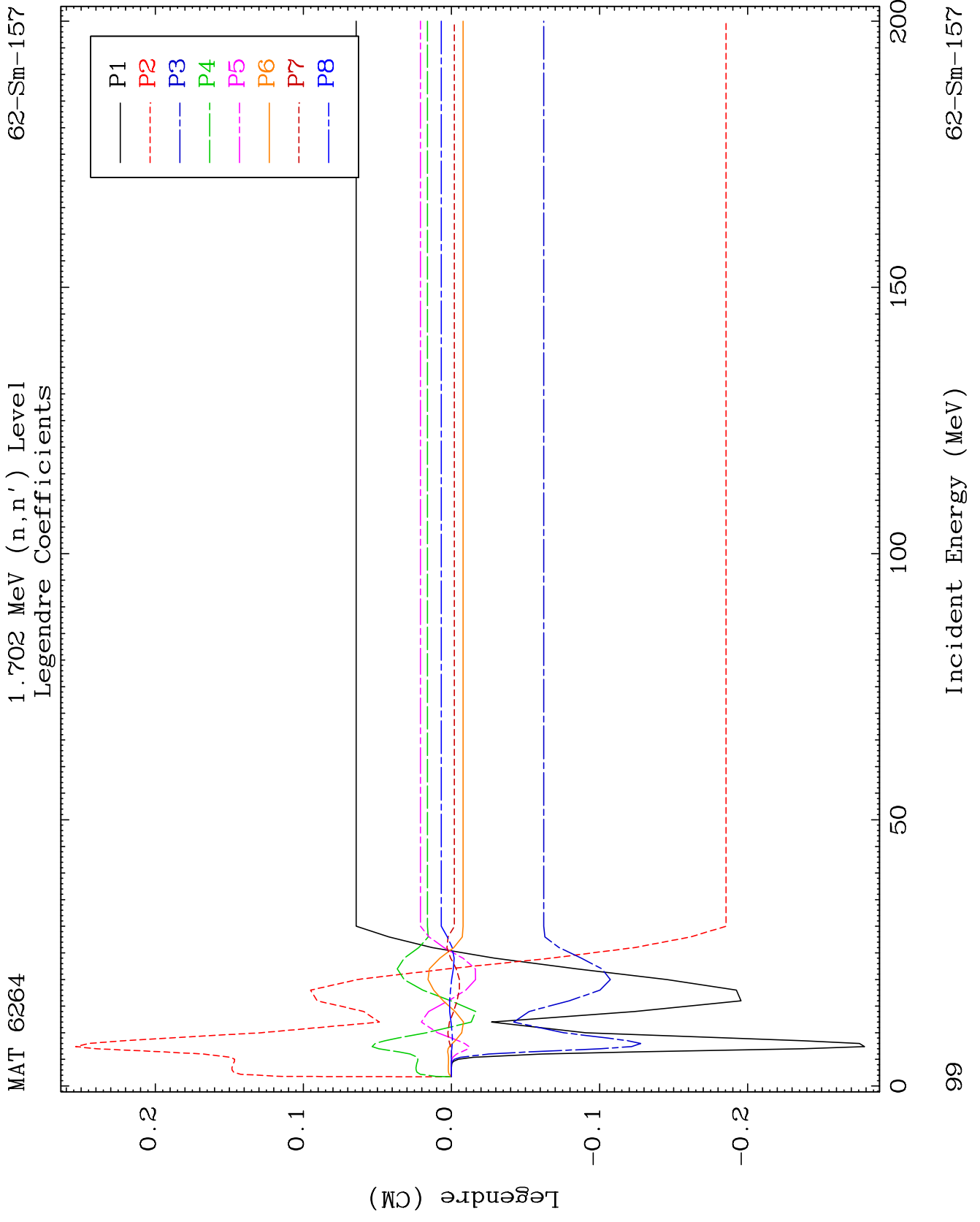


MAT 6264

1.701 MeV (n,n') Level
Legendre Coefficients

62-Sm-157

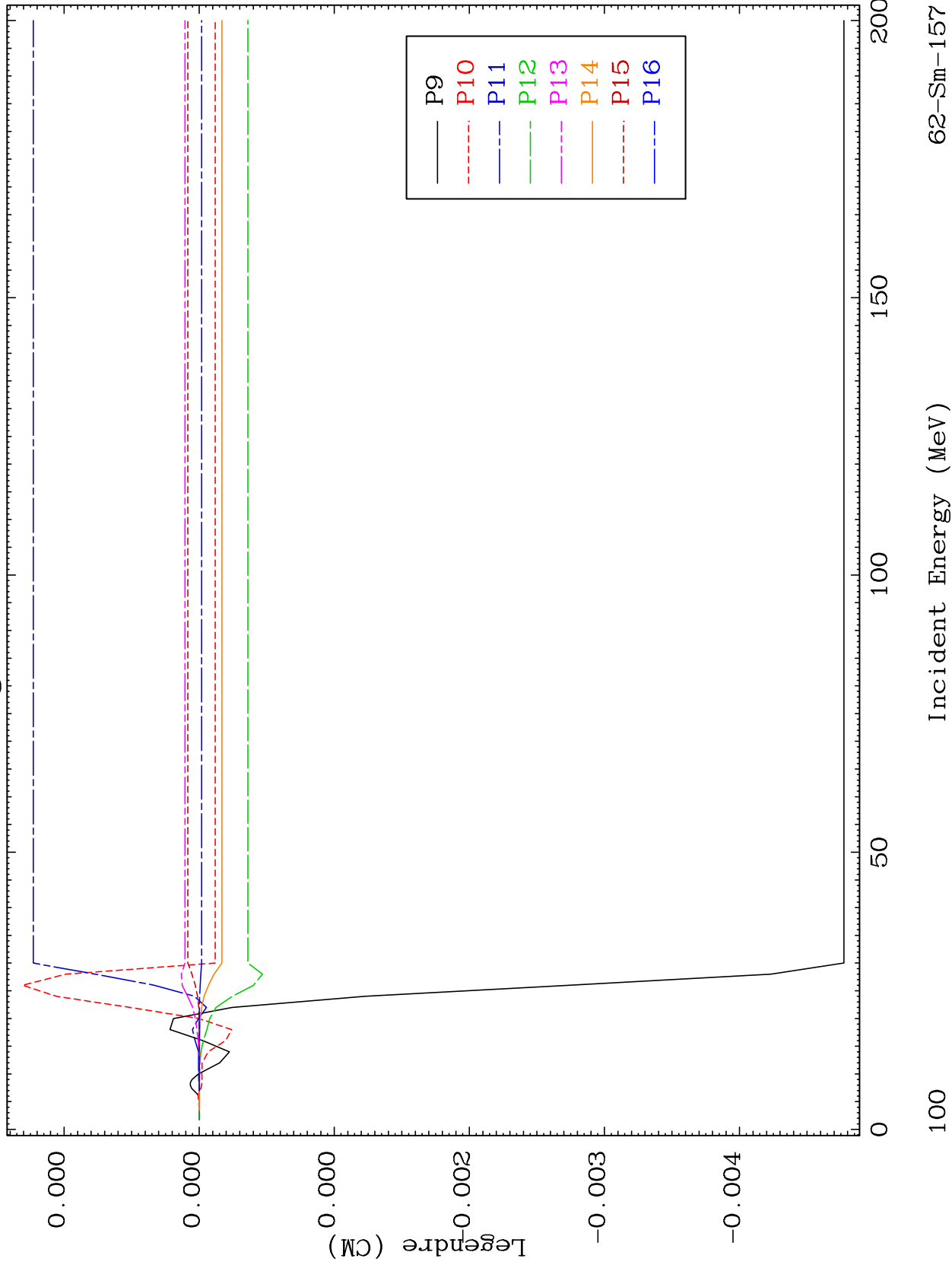




MAT 6264

1.702 MeV (n,n') Level
Legendre Coefficients

62-Sm-157



62-Sm-157

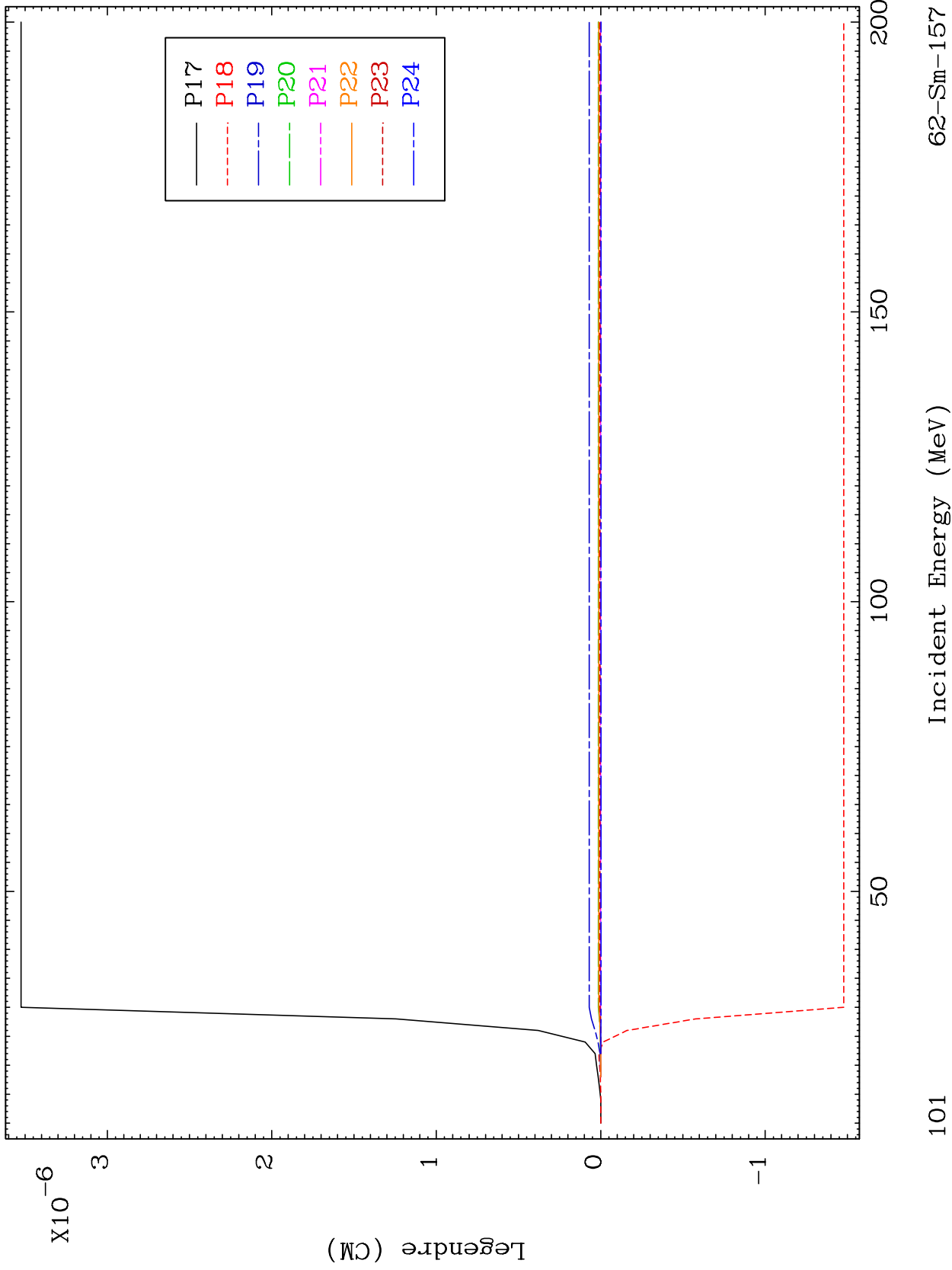
Incident Energy (MeV)

100

MAT 6264

1.702 MeV (n,n') Level
Legendre Coefficients

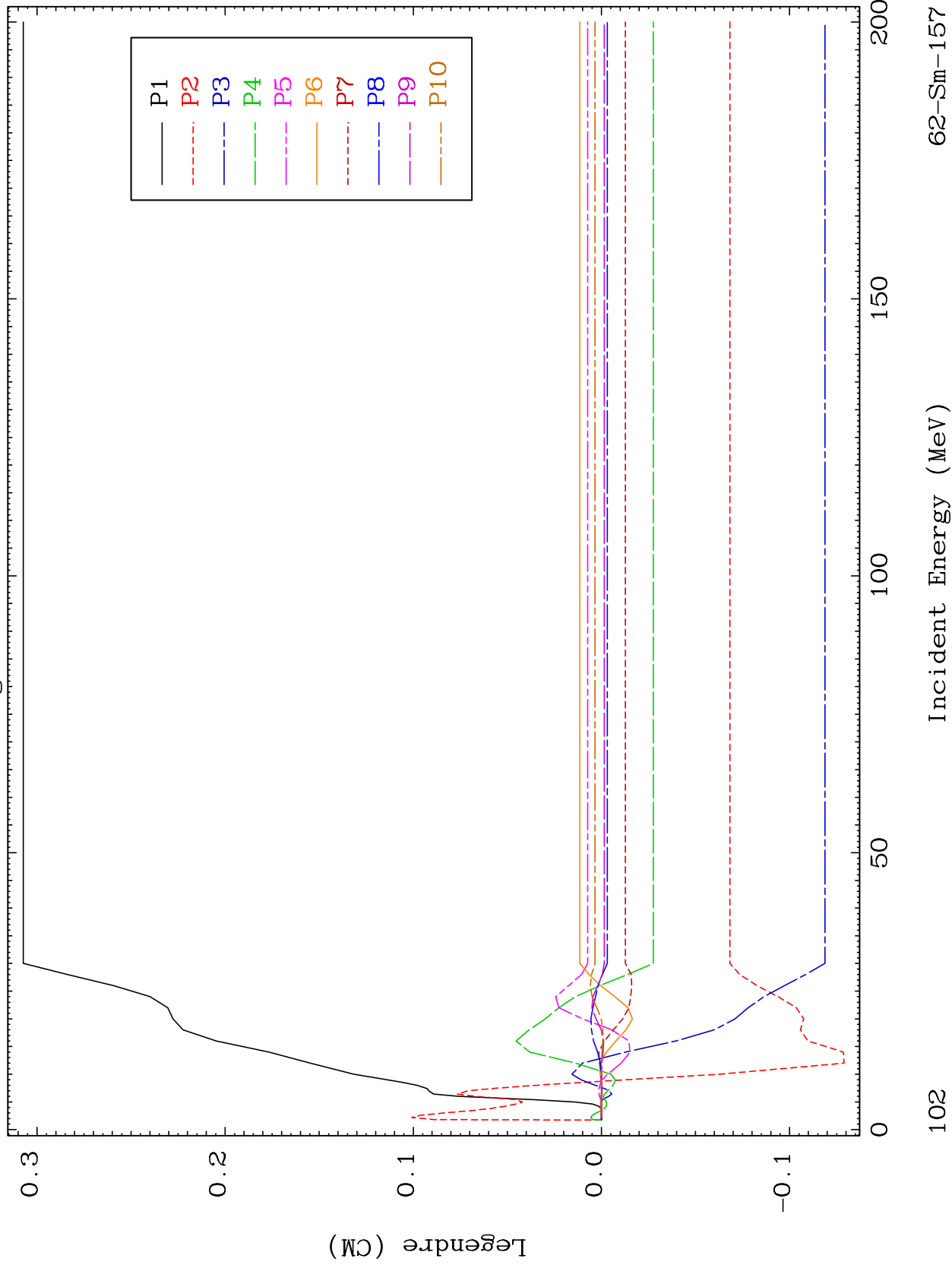
62-Sm-157



MAT 6264

1.704 MeV (n,n') Level
Legendre Coefficients

62-Sm-157



62-Sm-157

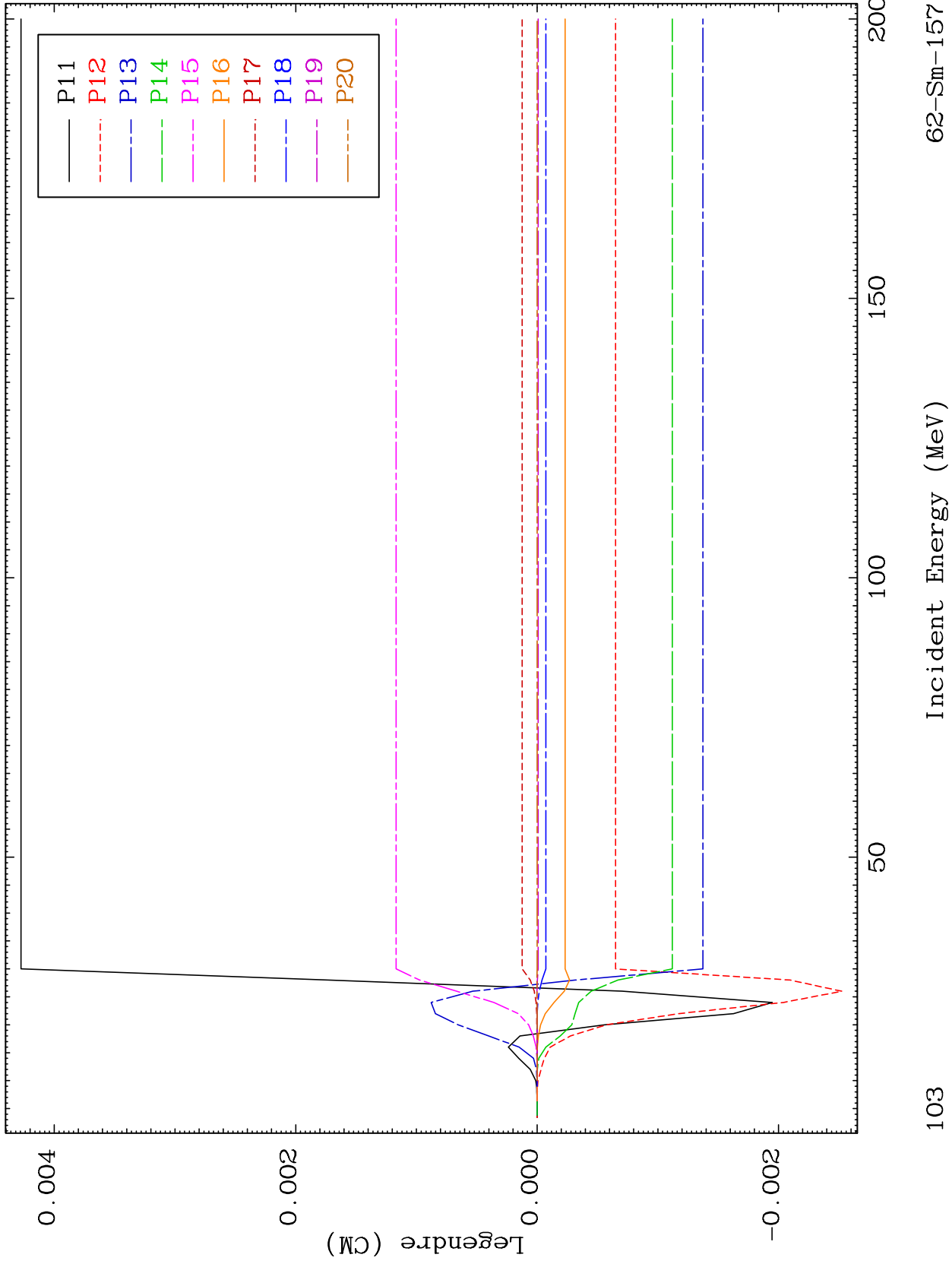
Incident Energy (MeV)

102

MAT 6264

1.704 MeV (n,n') Level
Legendre Coefficients

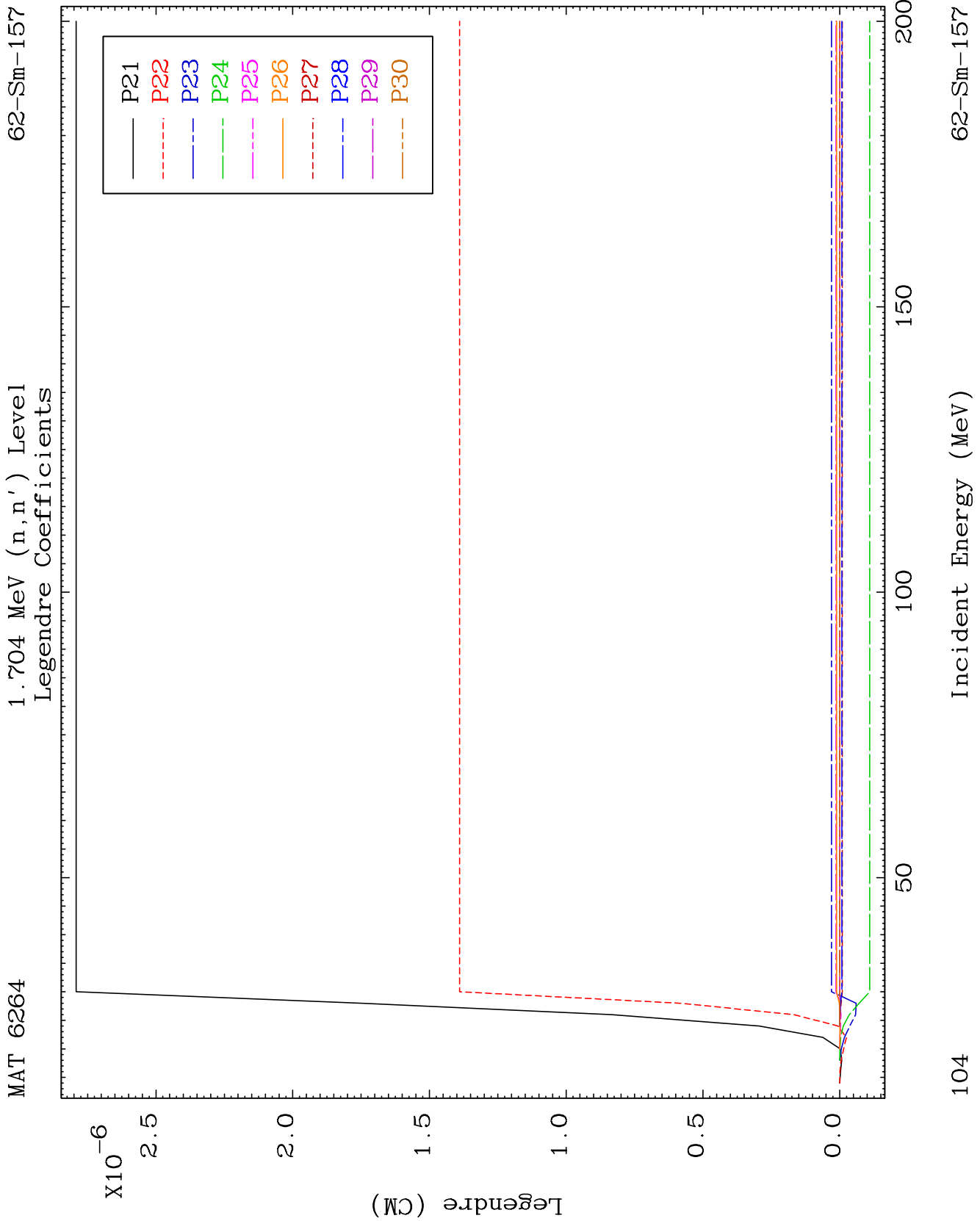
62-Sm-157

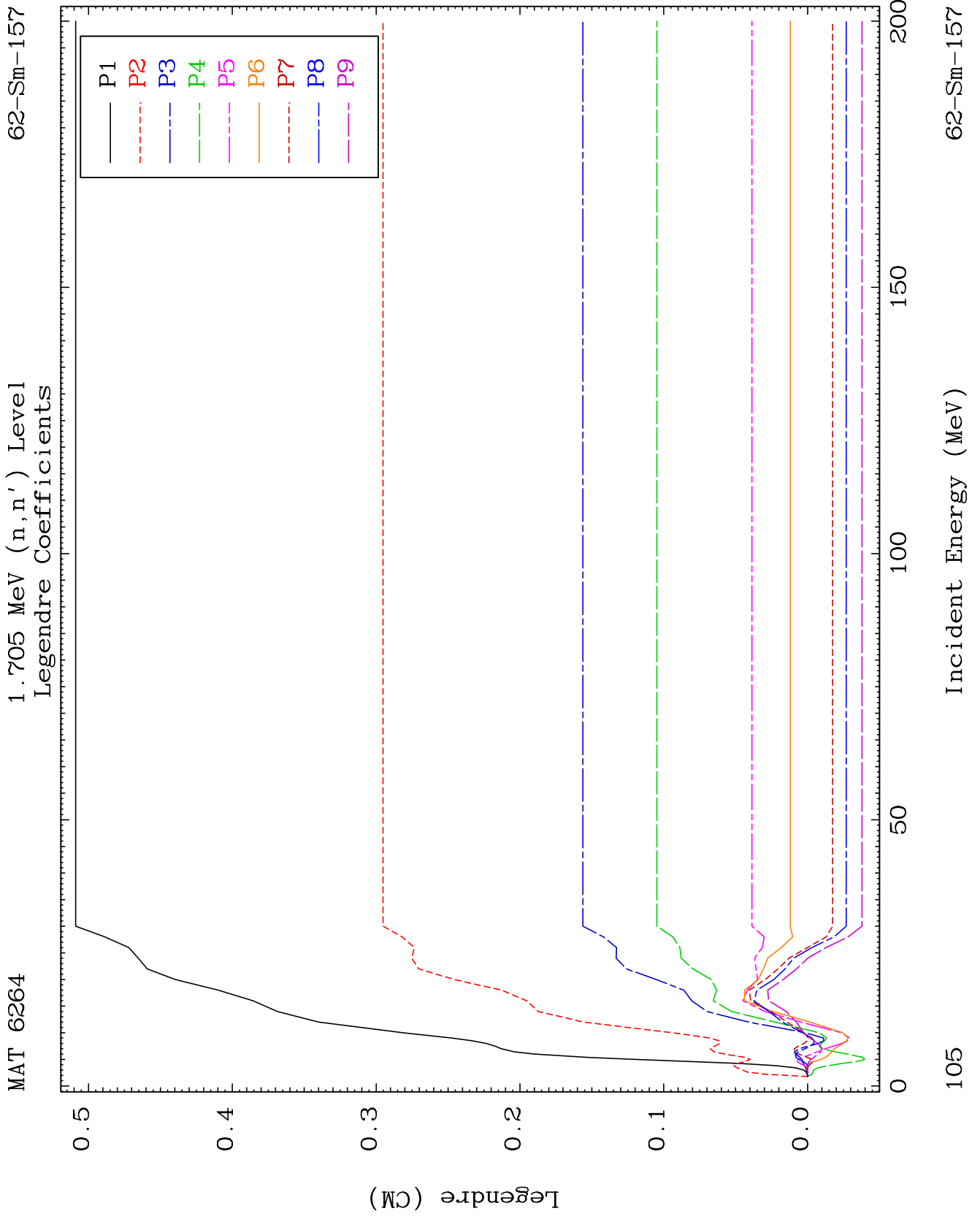


103

Incident Energy (MeV)

62-Sm-157

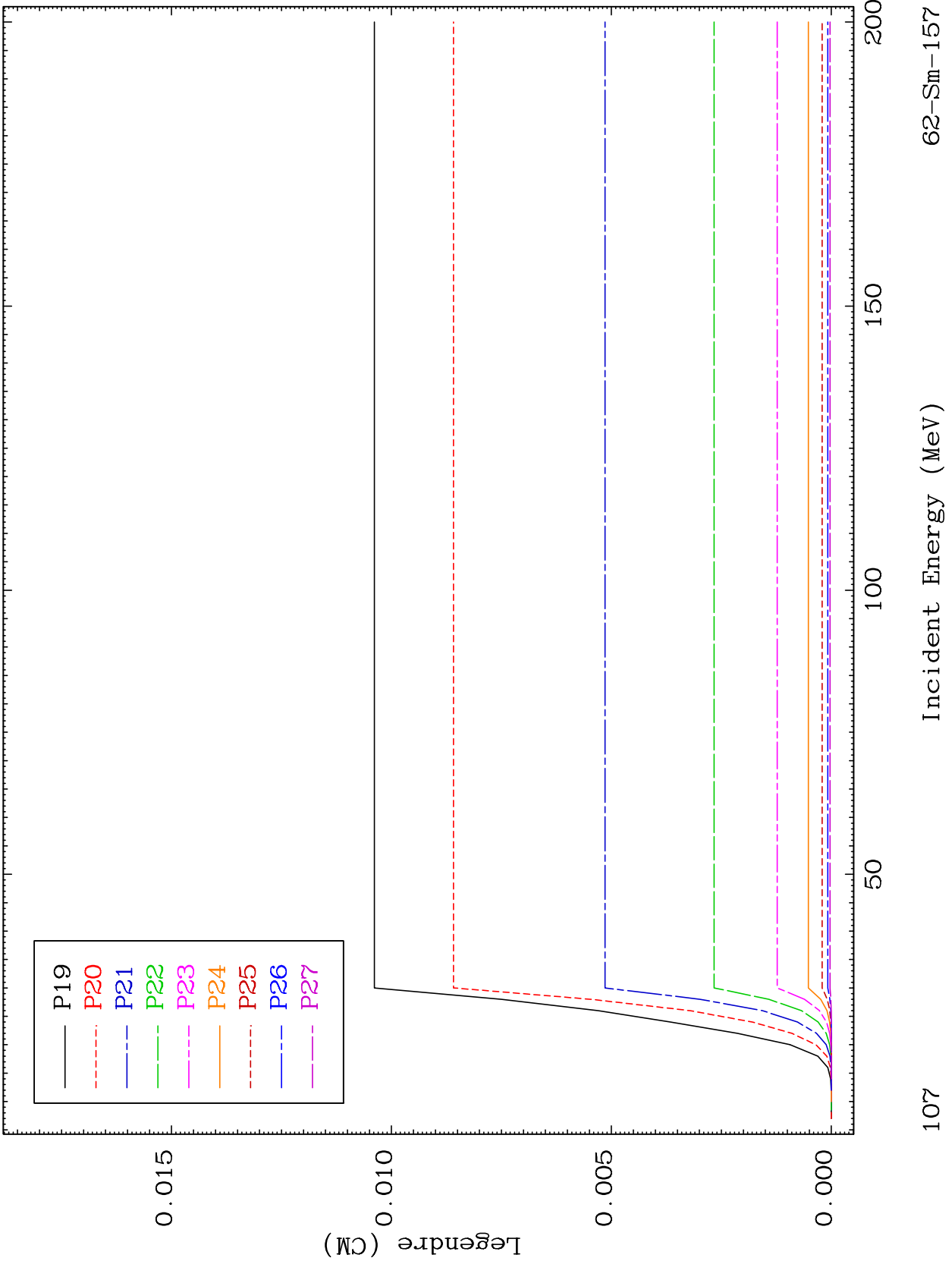




MAT 6264

1.705 MeV (n,n') Level
Legendre Coefficients

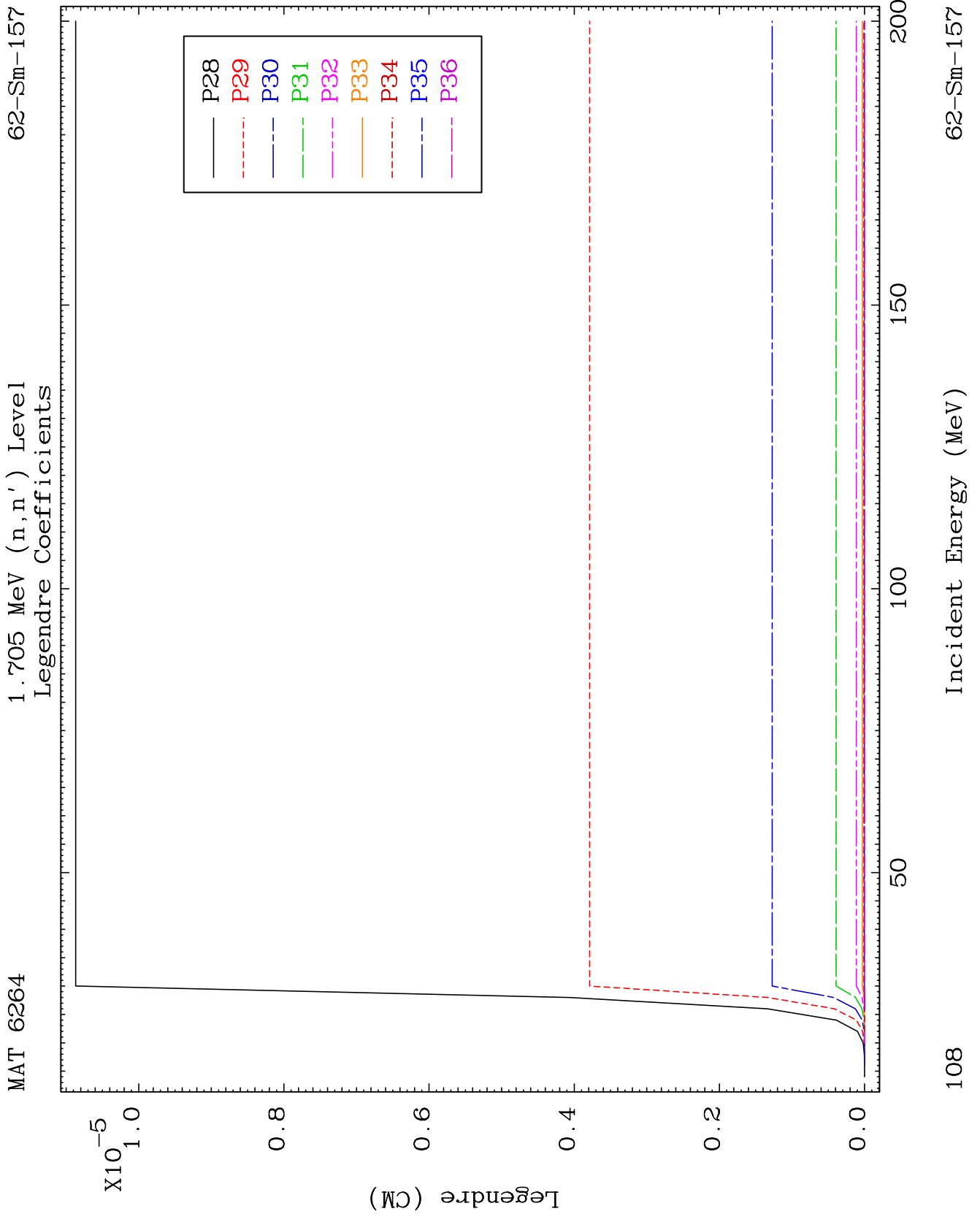
62-Sm-157

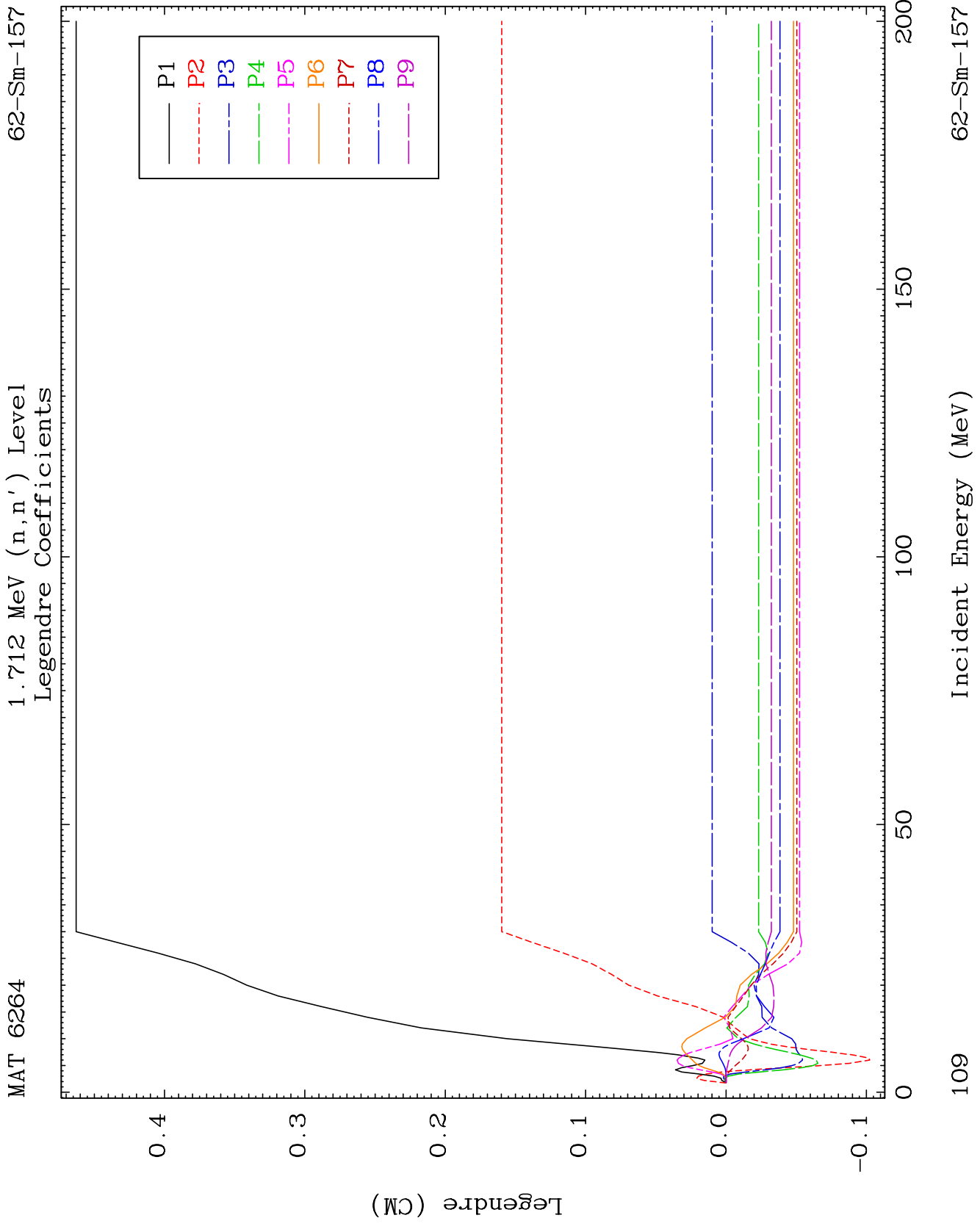


107

Incident Energy (MeV)

62-Sm-157

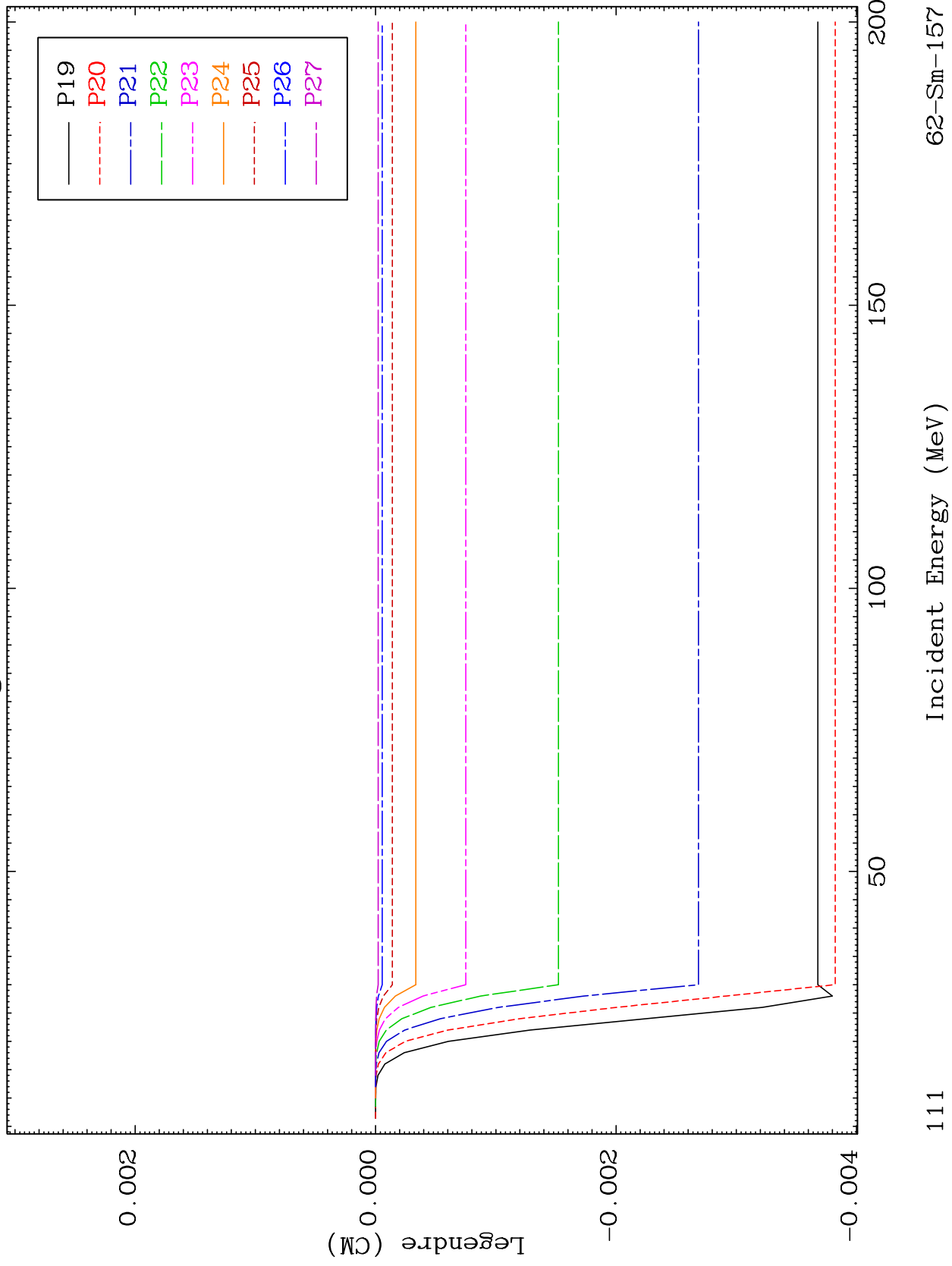




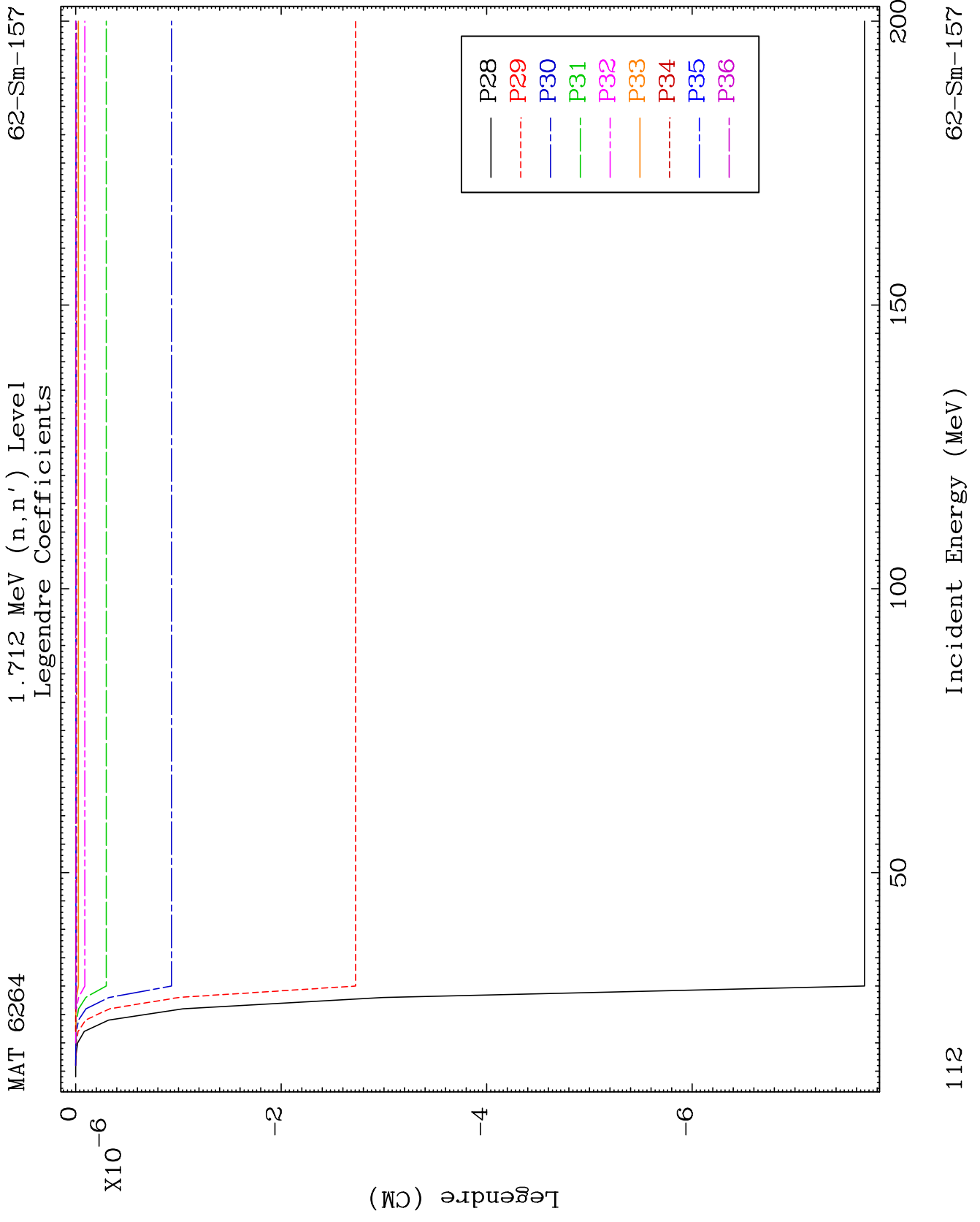
MAT 6264

1.712 MeV (n,n') Level
Legendre Coefficients

62-Sm-157



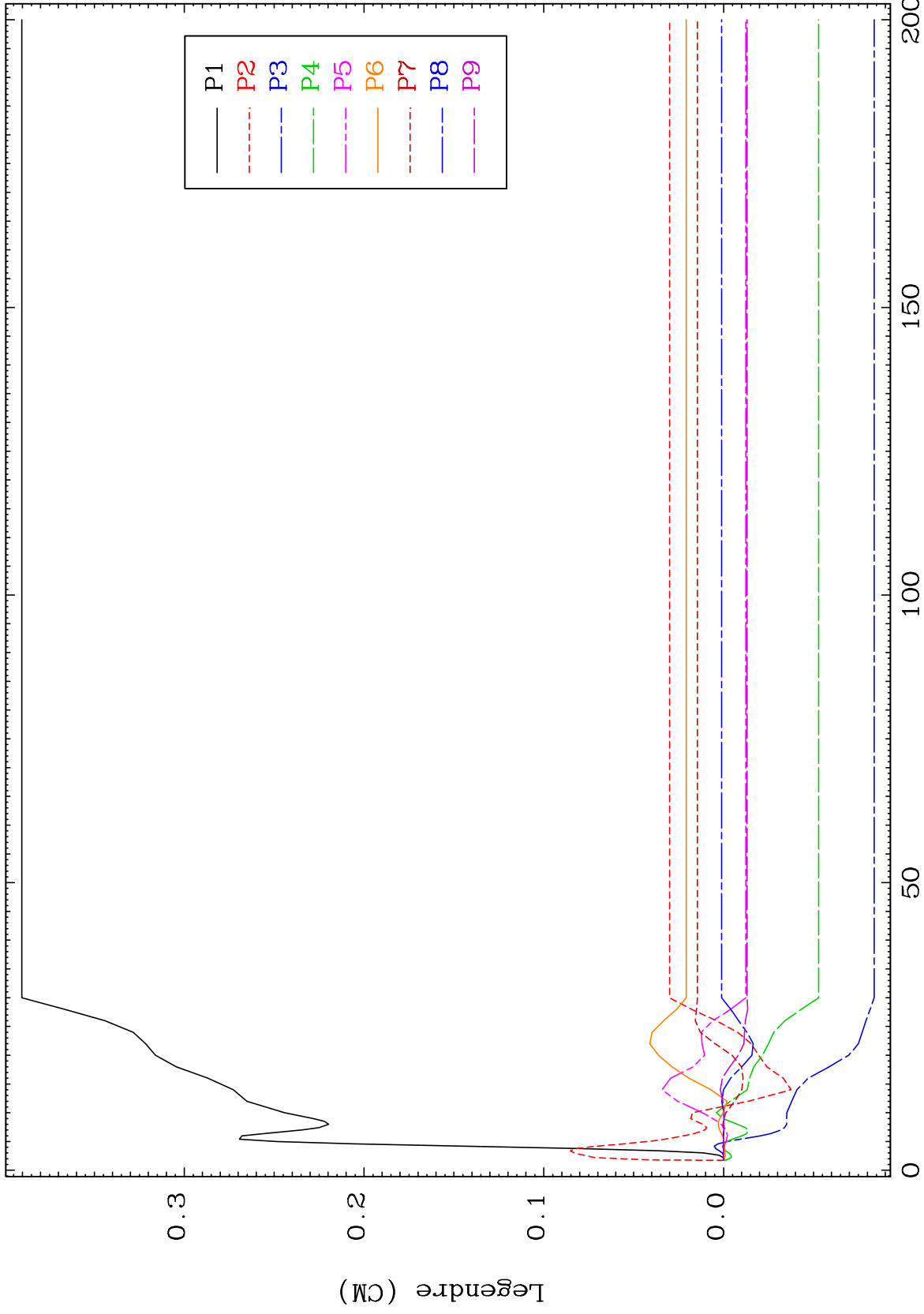
111



MAT 6264

1.714 MeV (n,n') Level
Legendre Coefficients

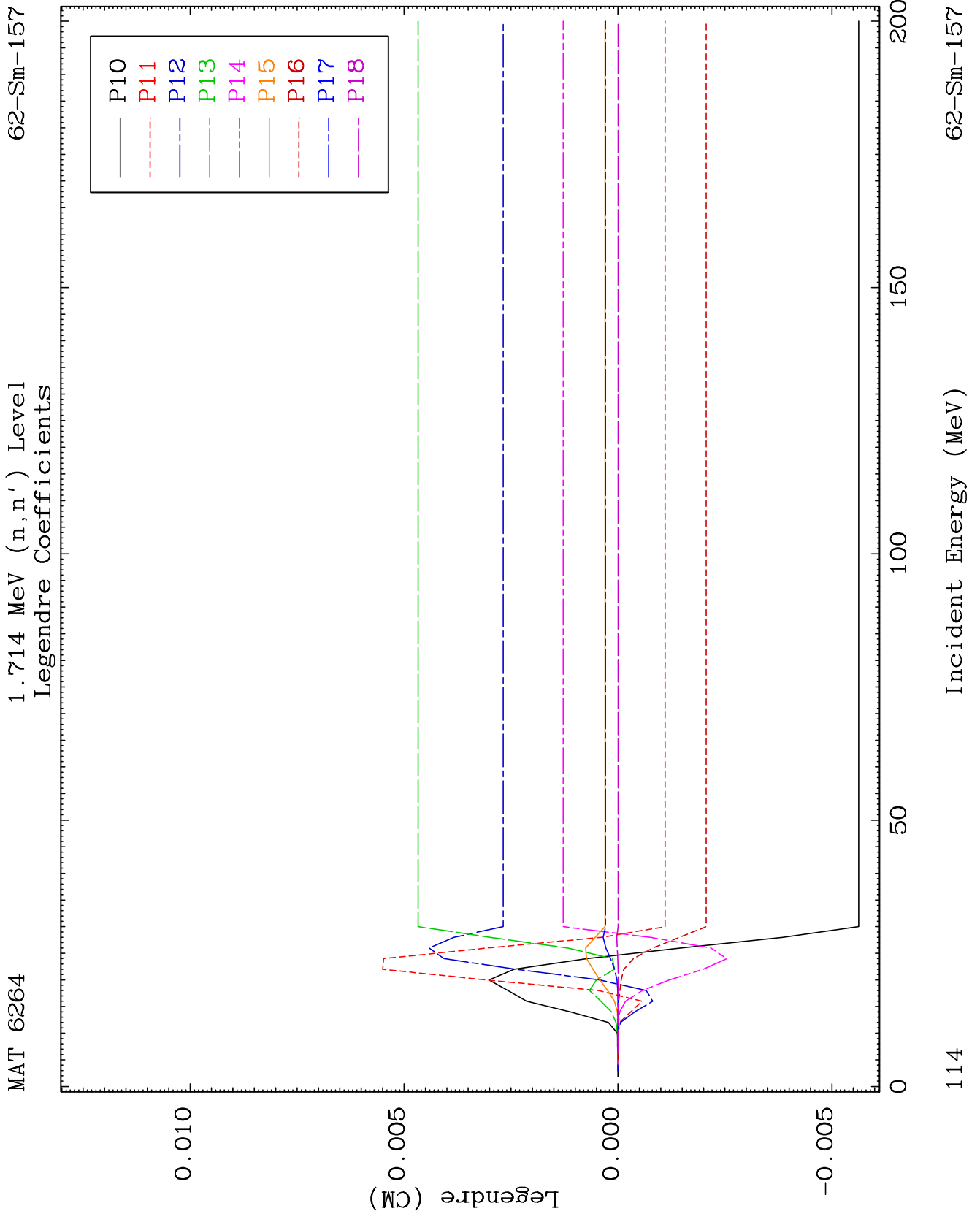
62-Sm-157



113

Incident Energy (MeV)

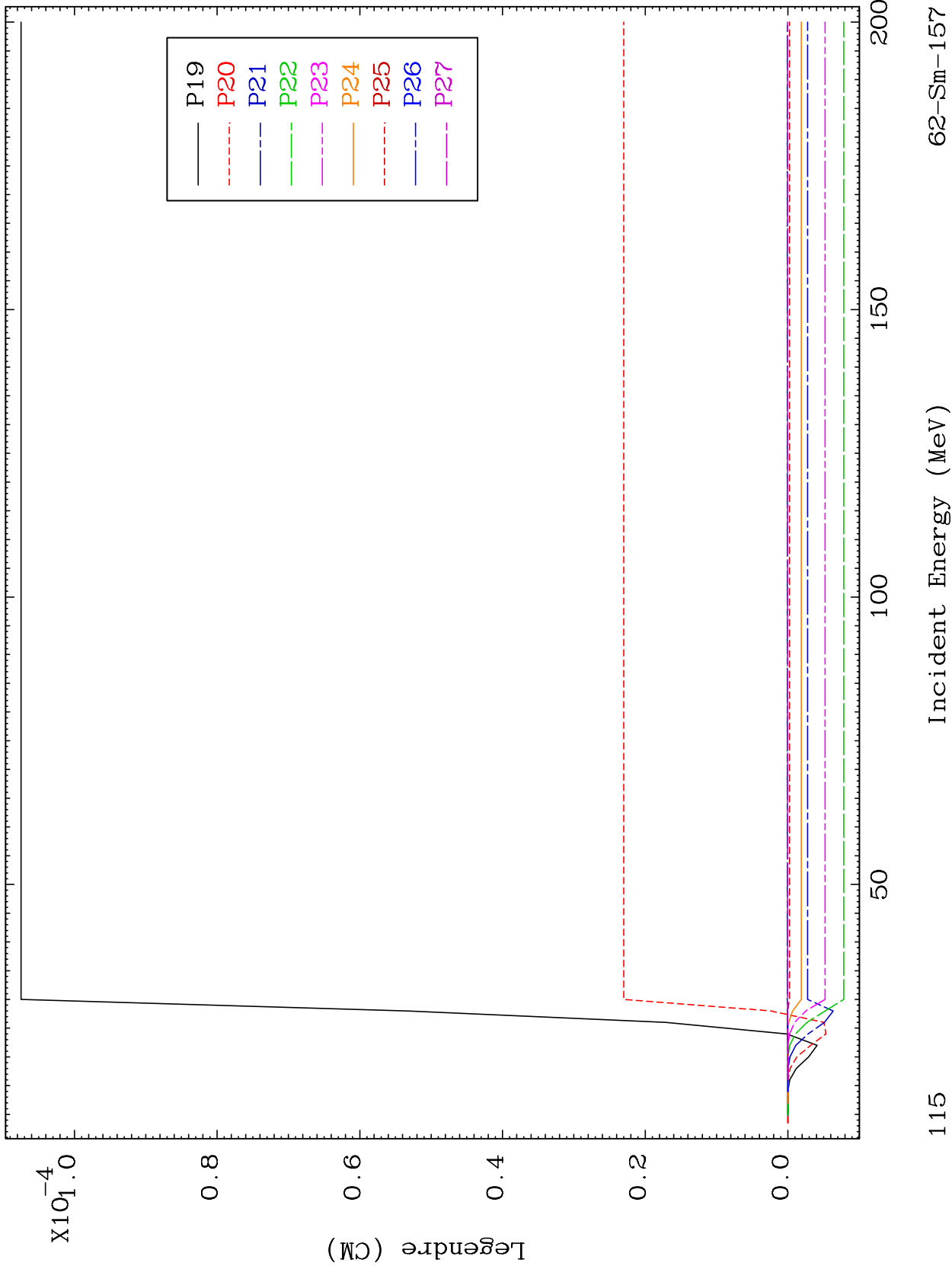
62-Sm-157



MAT 6264

1.714 MeV (n,n') Level
Legendre Coefficients

62-Sm-157



115

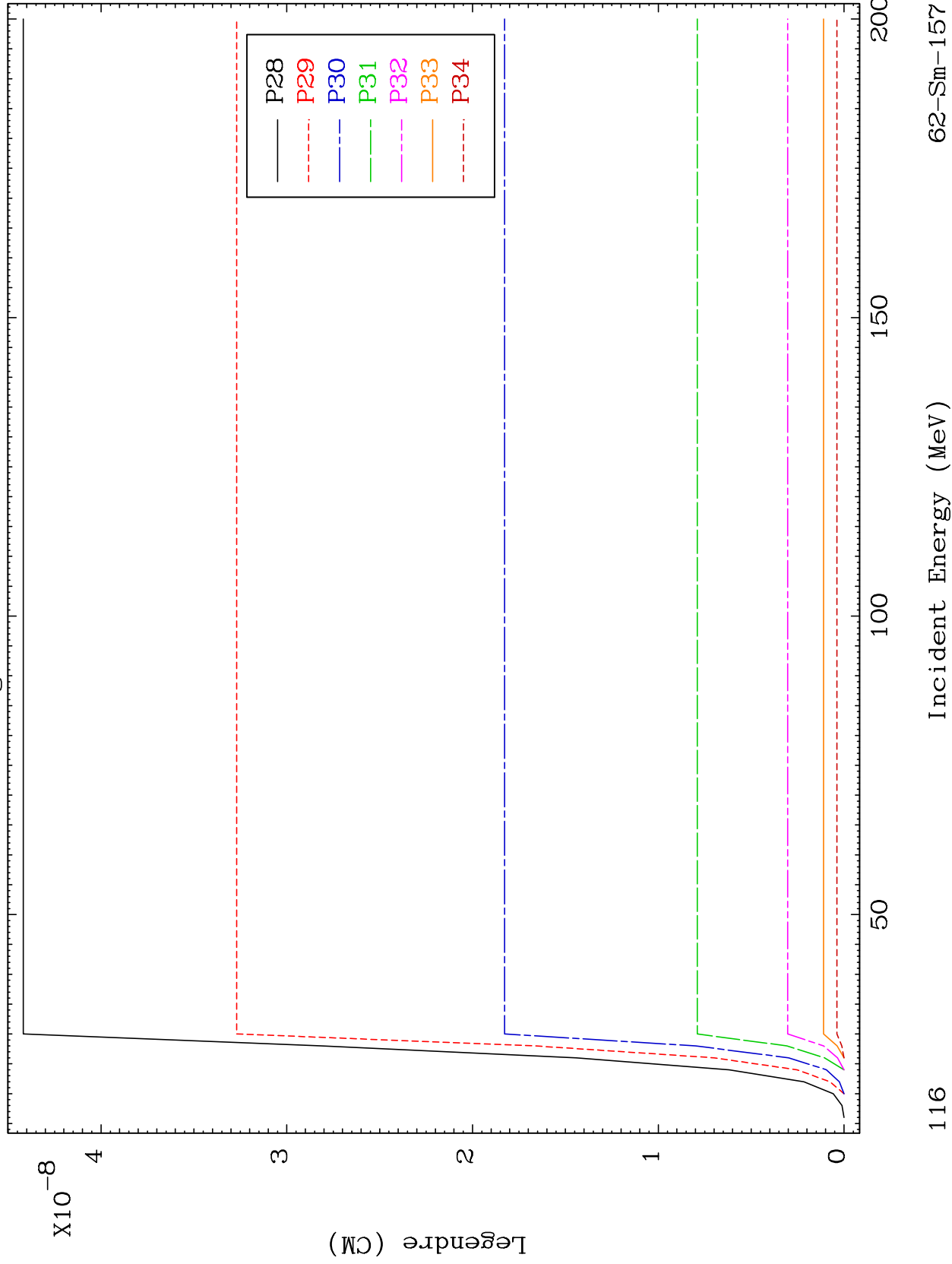
Incident Energy (MeV)

62-Sm-157

MAT 6264

1.714 MeV (n,n') Level
Legendre Coefficients

62-Sm-157



116

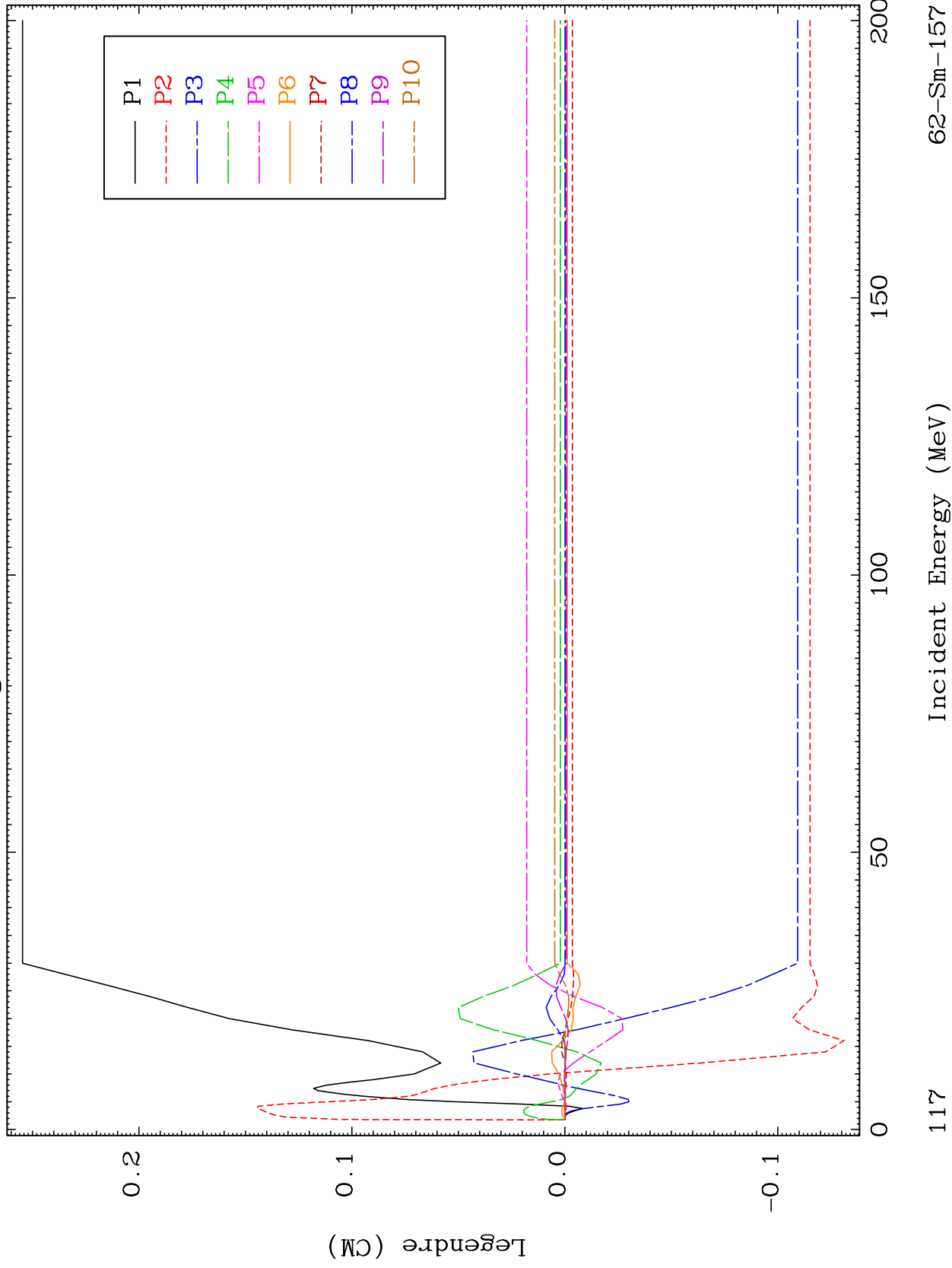
Incident Energy (MeV)

62-Sm-157

MAT 6264

1.715 MeV (n,n') Level
Legendre Coefficients

62-Sm-157



117

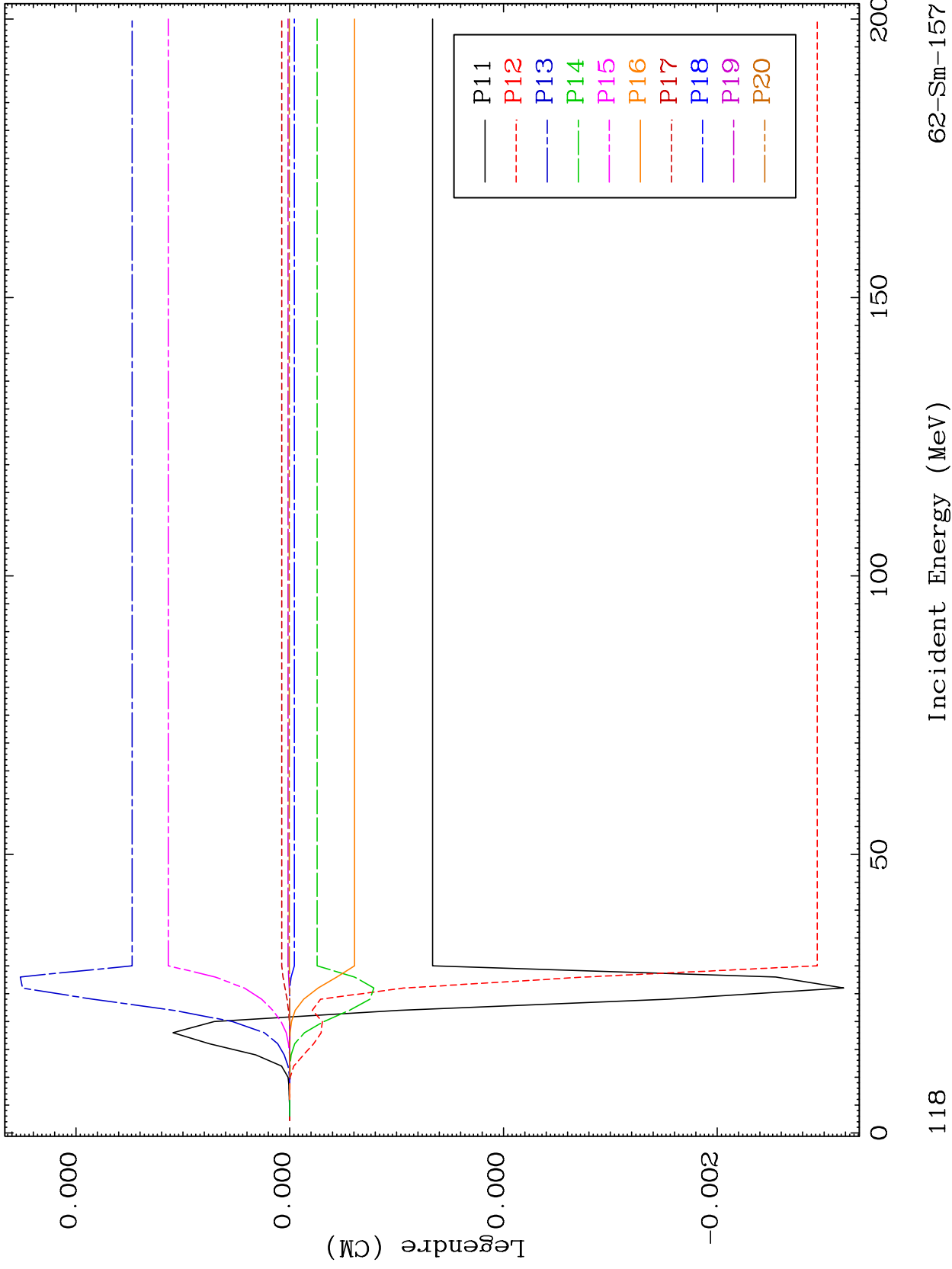
Incident Energy (MeV)

62-Sm-157

MAT 6264

1.715 MeV (n,n') Level
Legendre Coefficients

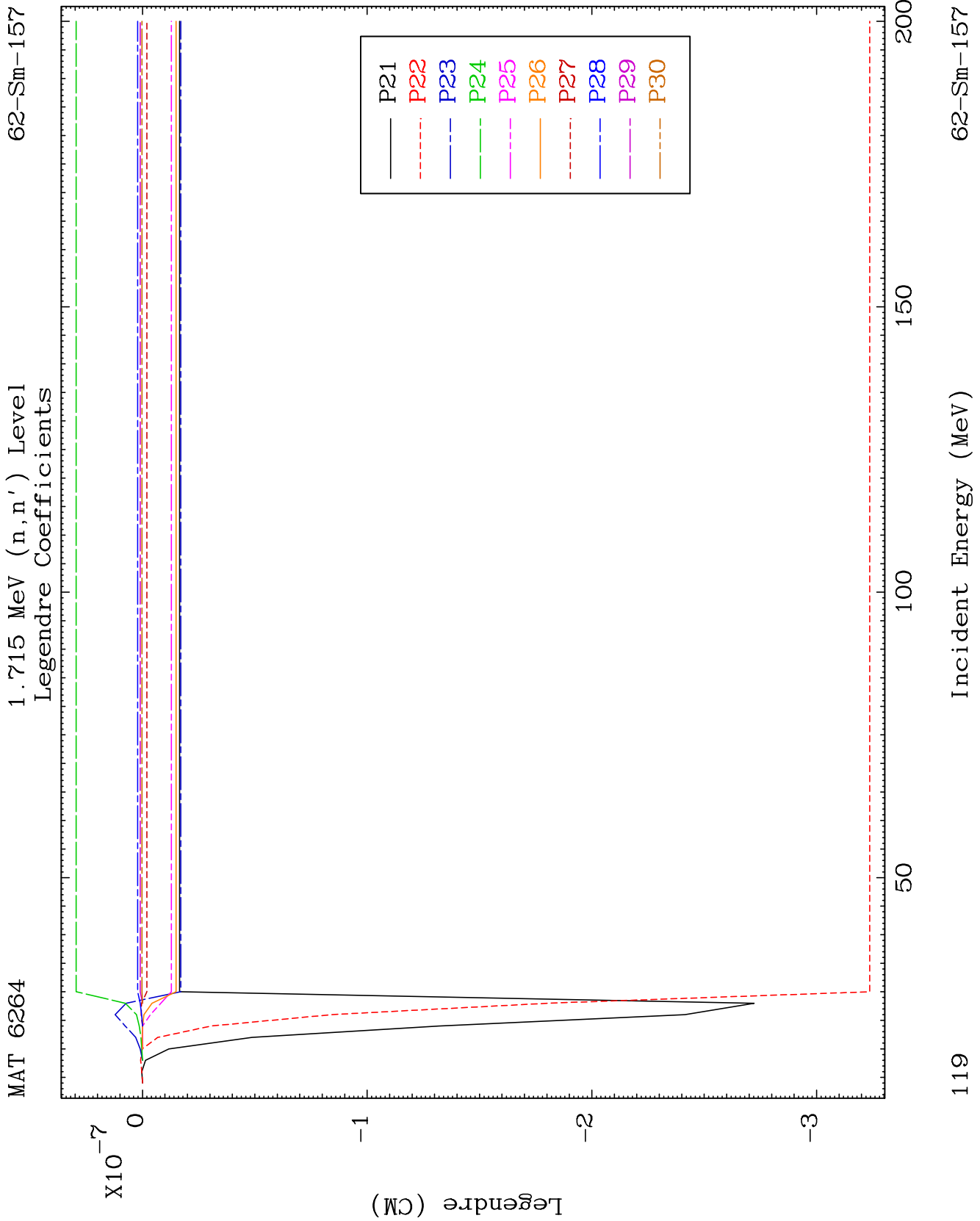
62-Sm-157



118

Incident Energy (MeV)

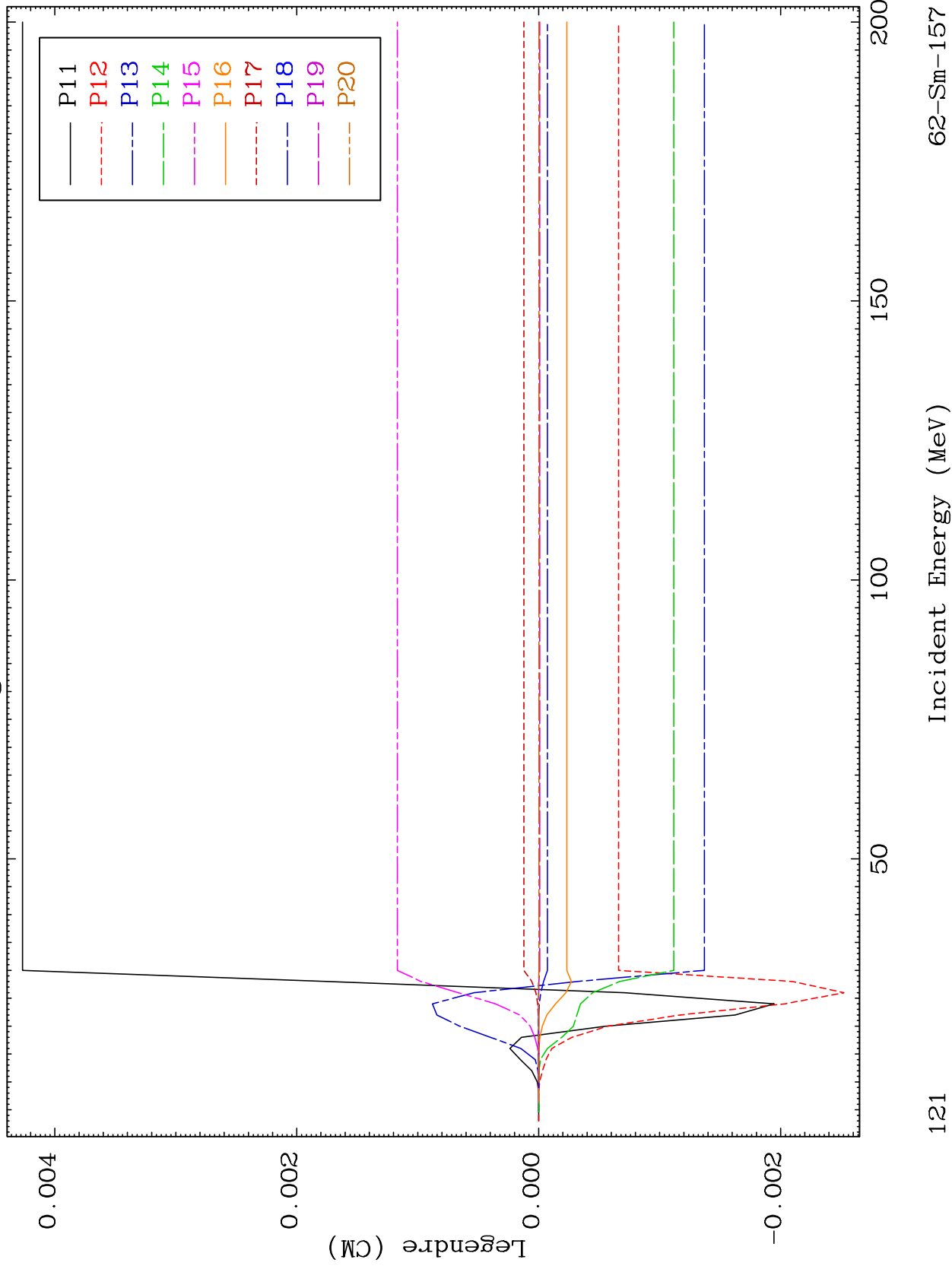
62-Sm-157



MAT 6264

1.720 MeV (n,n') Level
Legendre Coefficients

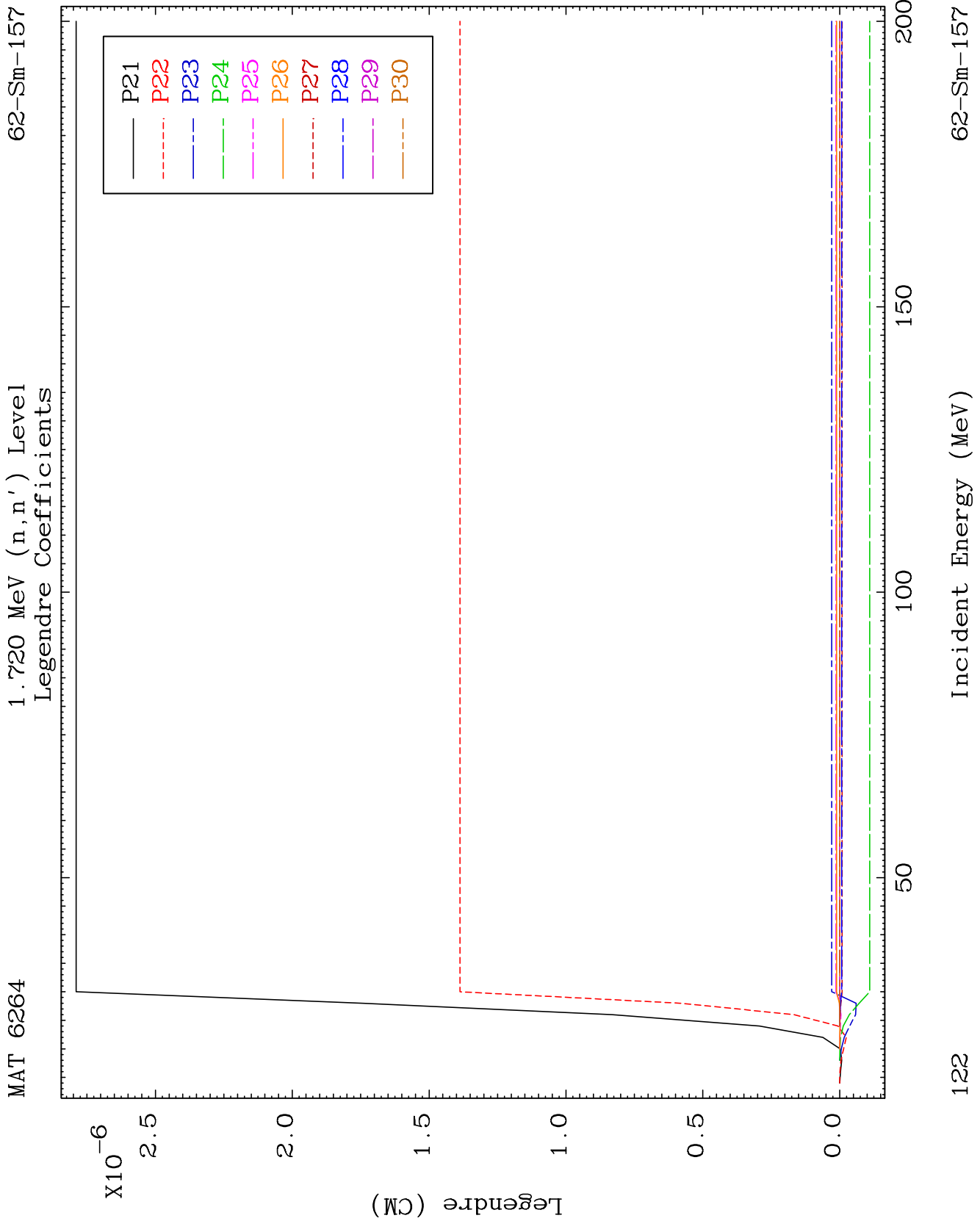
62-Sm-157

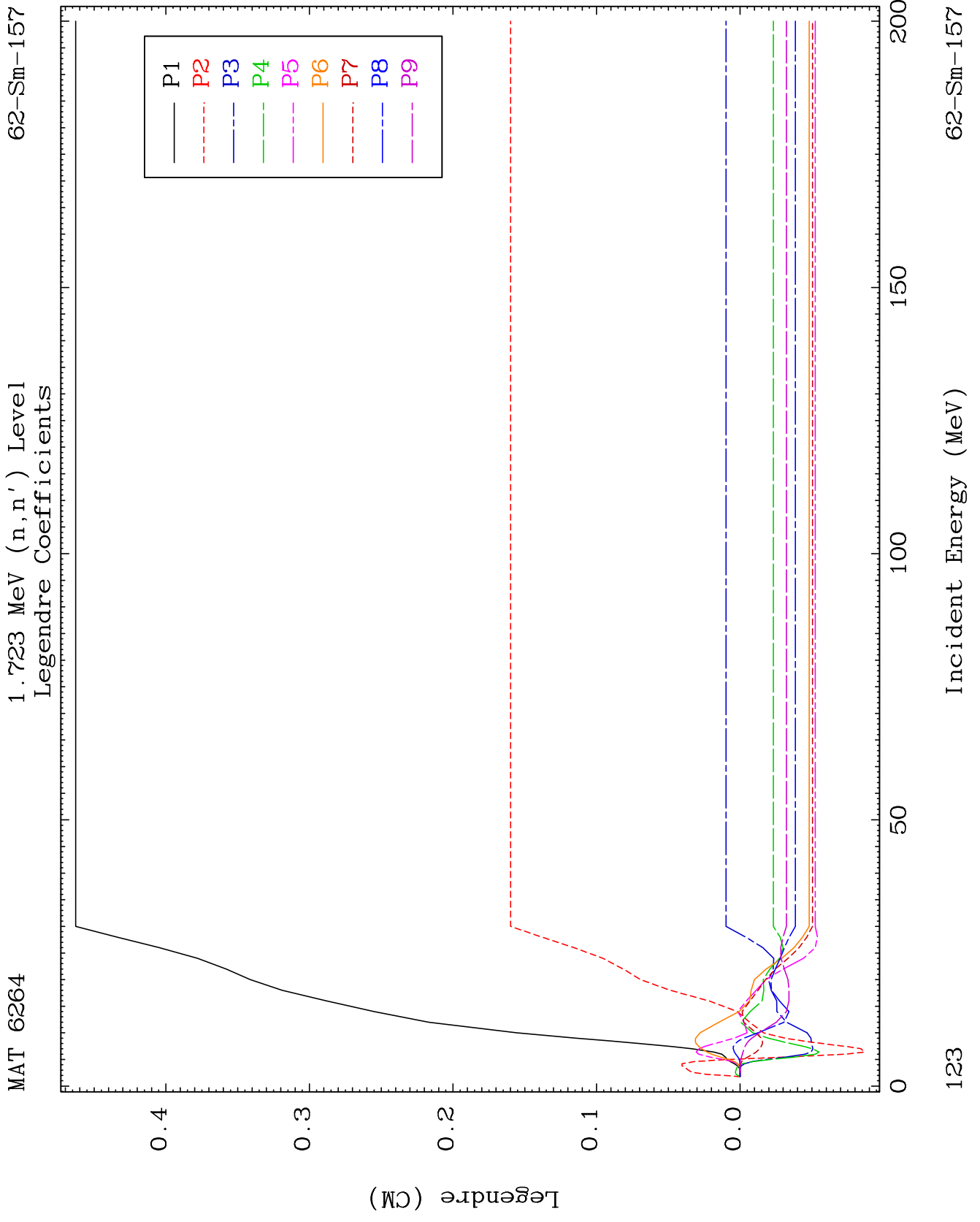


121

Incident Energy (MeV)

62-Sm-157

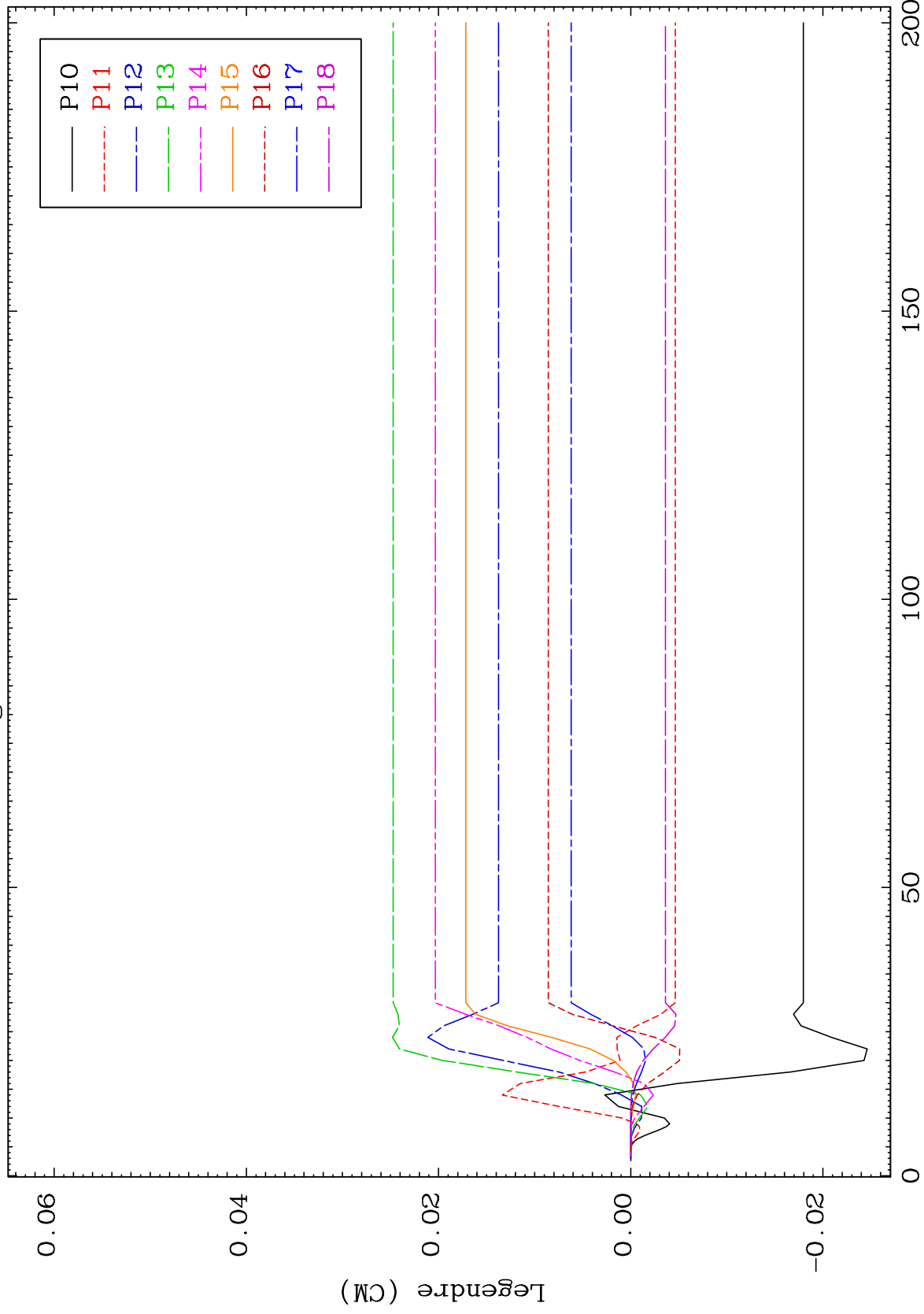




MAT 6264

1.723 MeV (n,n') Level
Legendre Coefficients

62-Sm-157



124

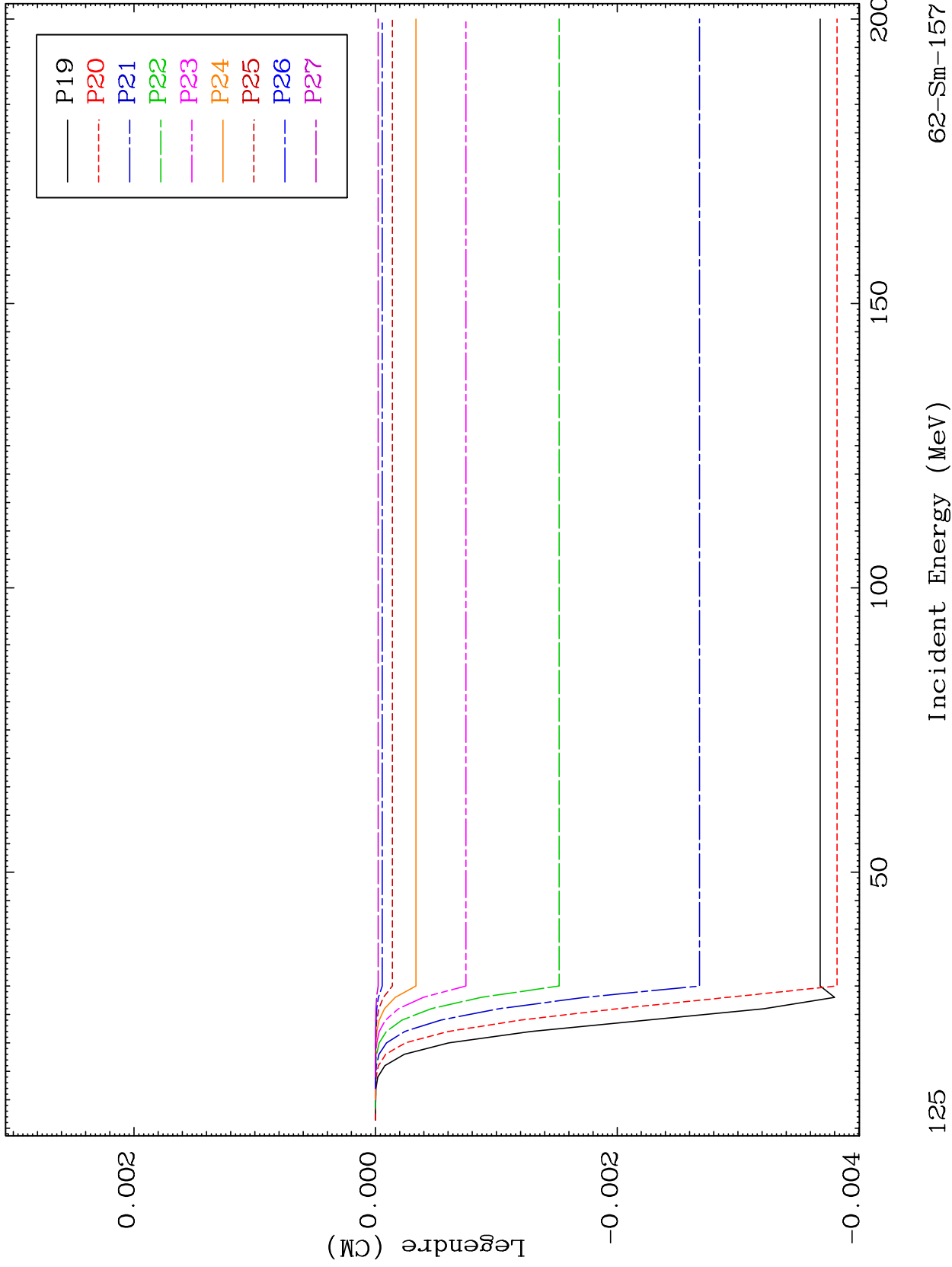
Incident Energy (MeV)

62-Sm-157

MAT 6264

1.723 MeV (n,n') Level
Legendre Coefficients

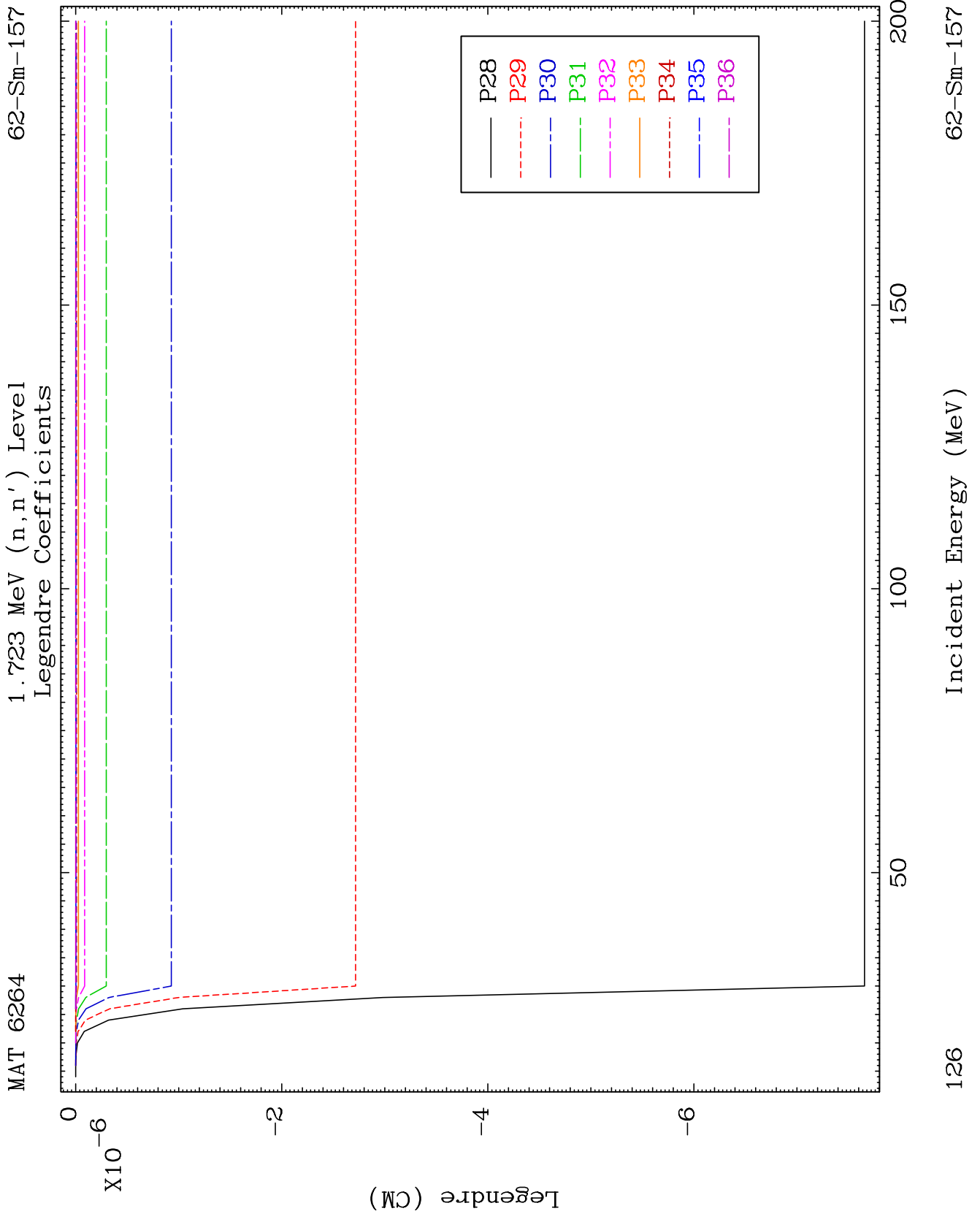
62-Sm-157



125

Incident Energy (MeV)

62-Sm-157

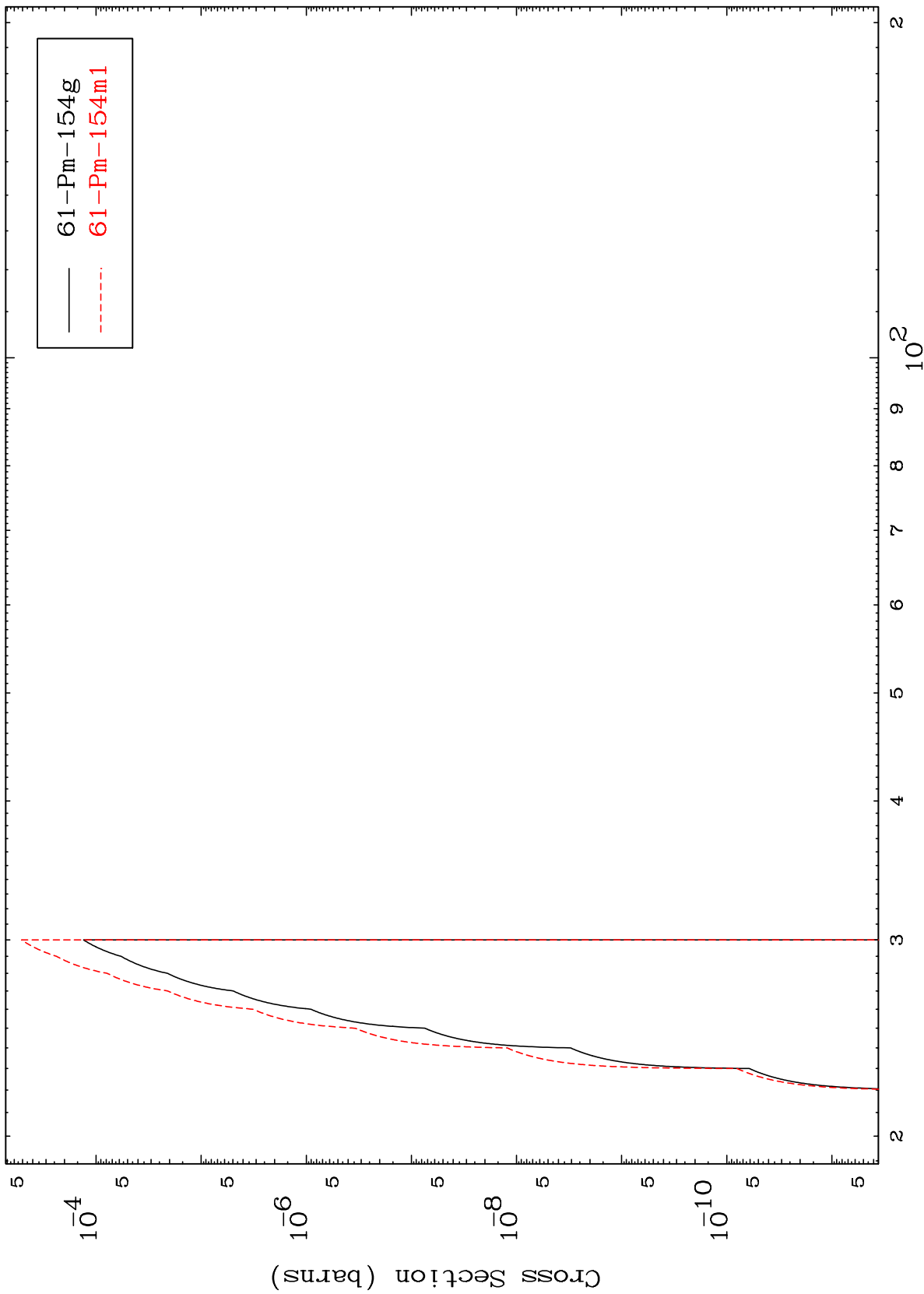


MAT 6264

(n,2n) d

62-Sm-157

Radionuclide Production Cross Section



127

Incident Energy (MeV)

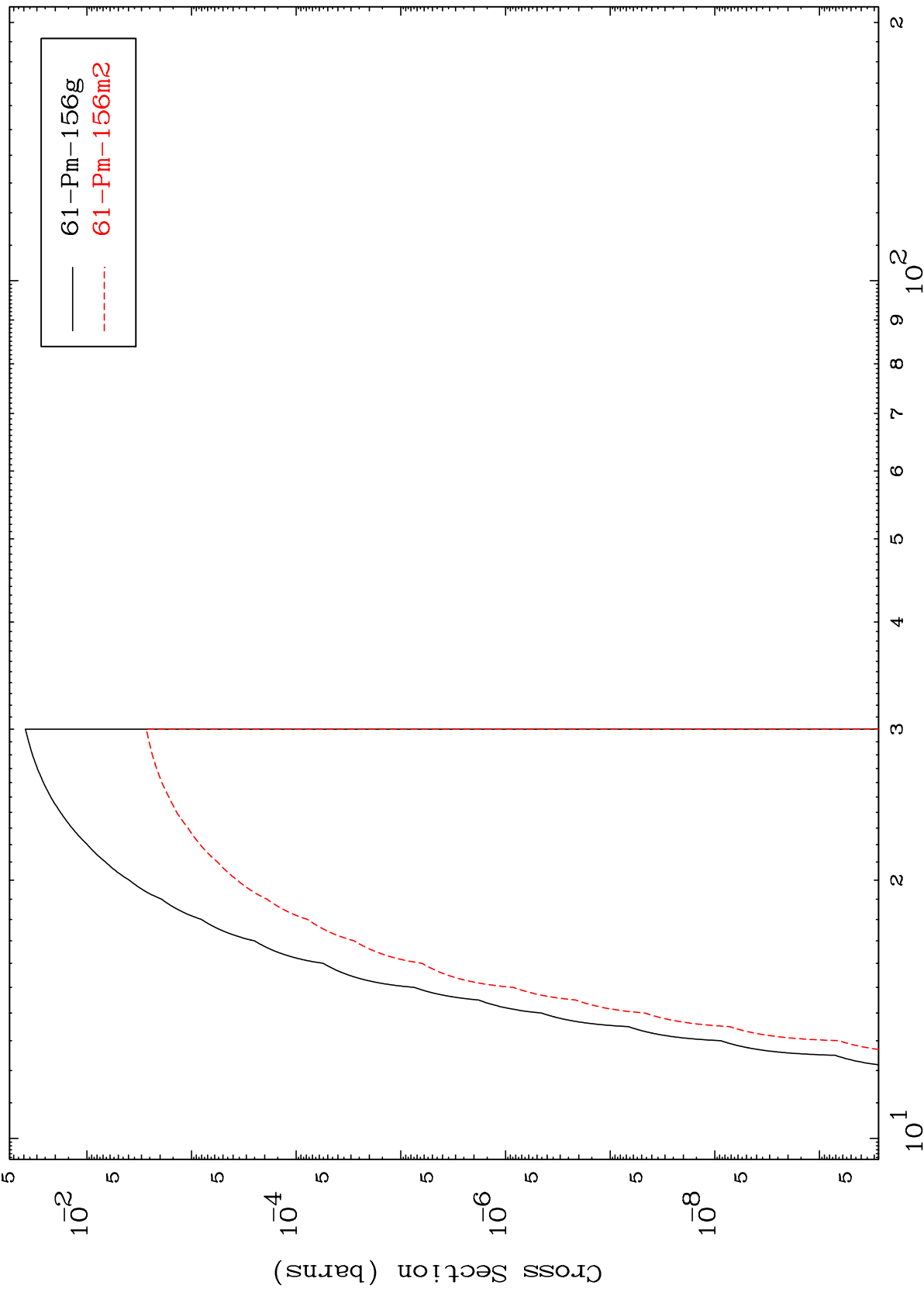
62-Sm-157

MAT 6264

(n,n') p

62-Sm-157

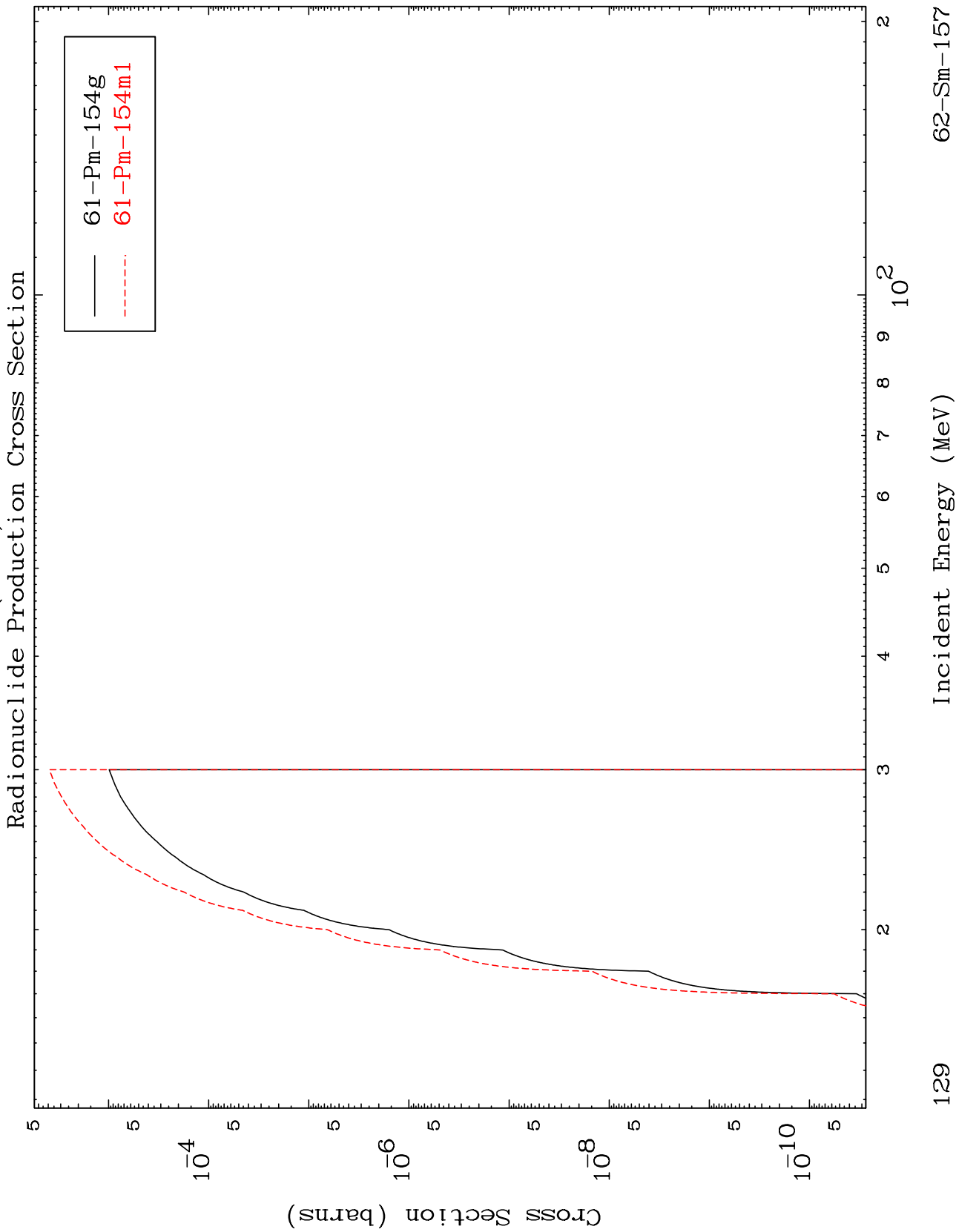
Radionuclide Production Cross Section



128

Incident Energy (MeV)

62-Sm-157

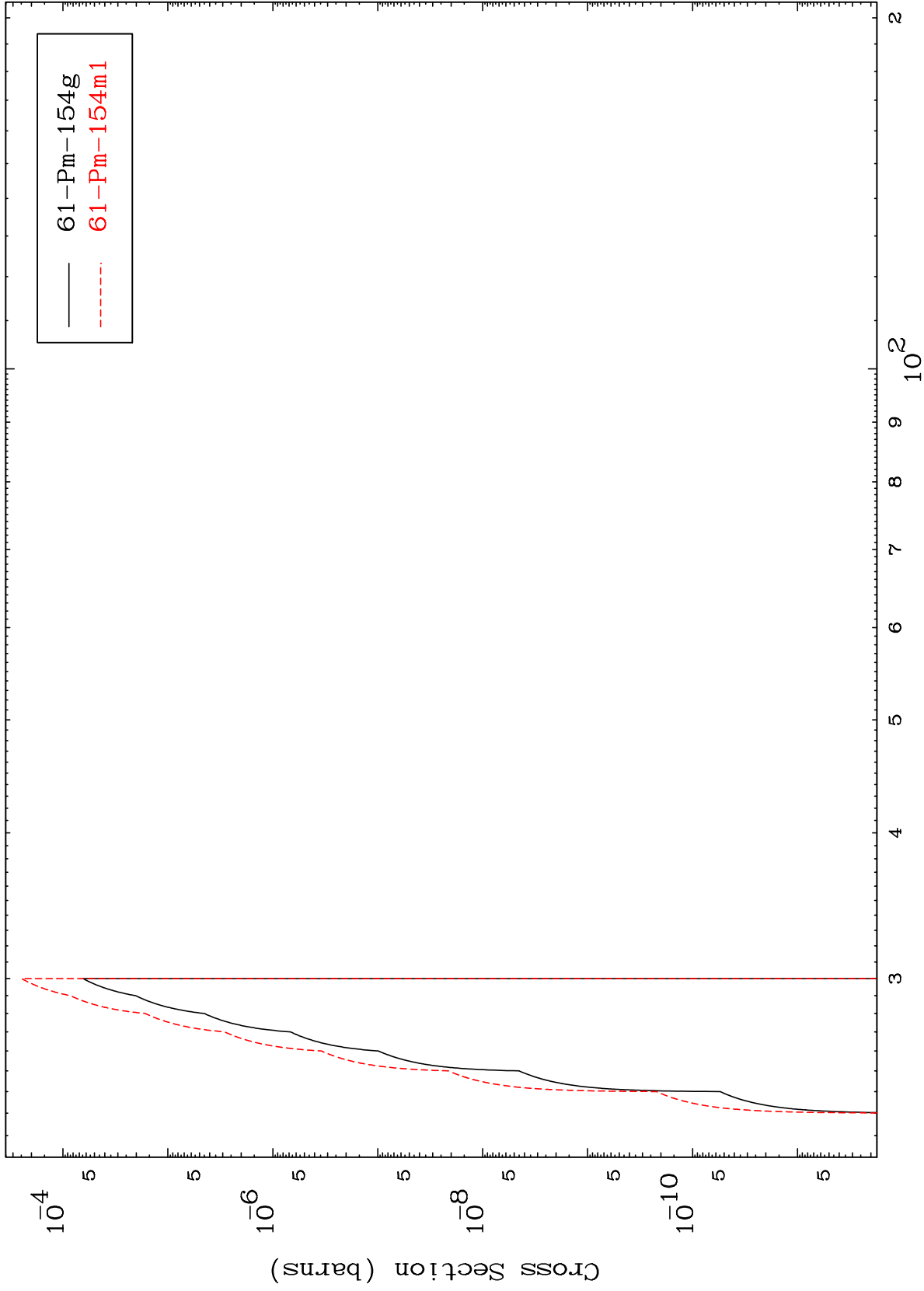


MAT 6264

(n,3n) p

62-Sm-157

Radionuclide Production Cross Section



130

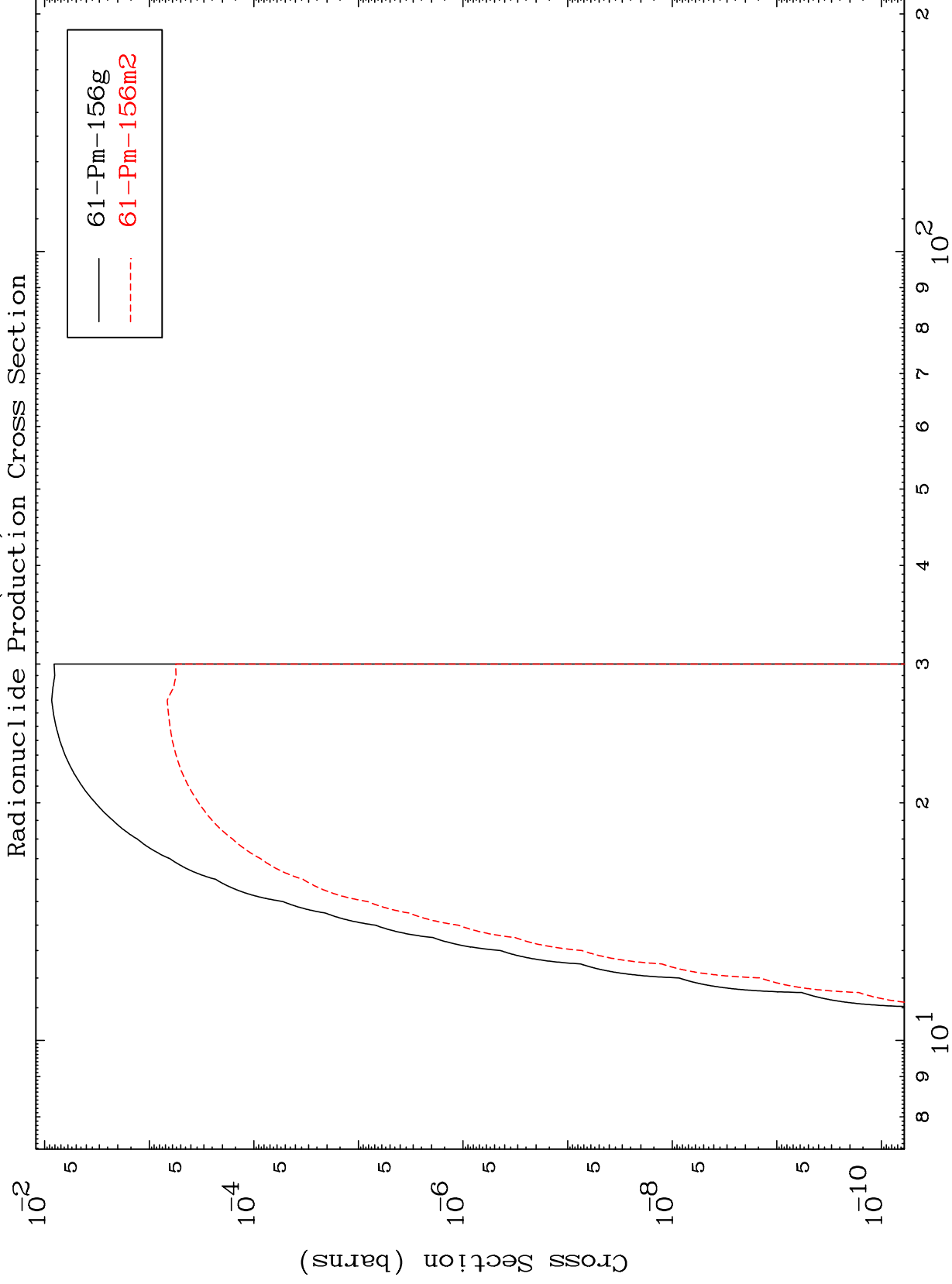
Incident Energy (MeV)

62-Sm-157

MAT 6264

(n,d)

62-Sm-157



131

Incident Energy (MeV)

62-Sm-157