

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

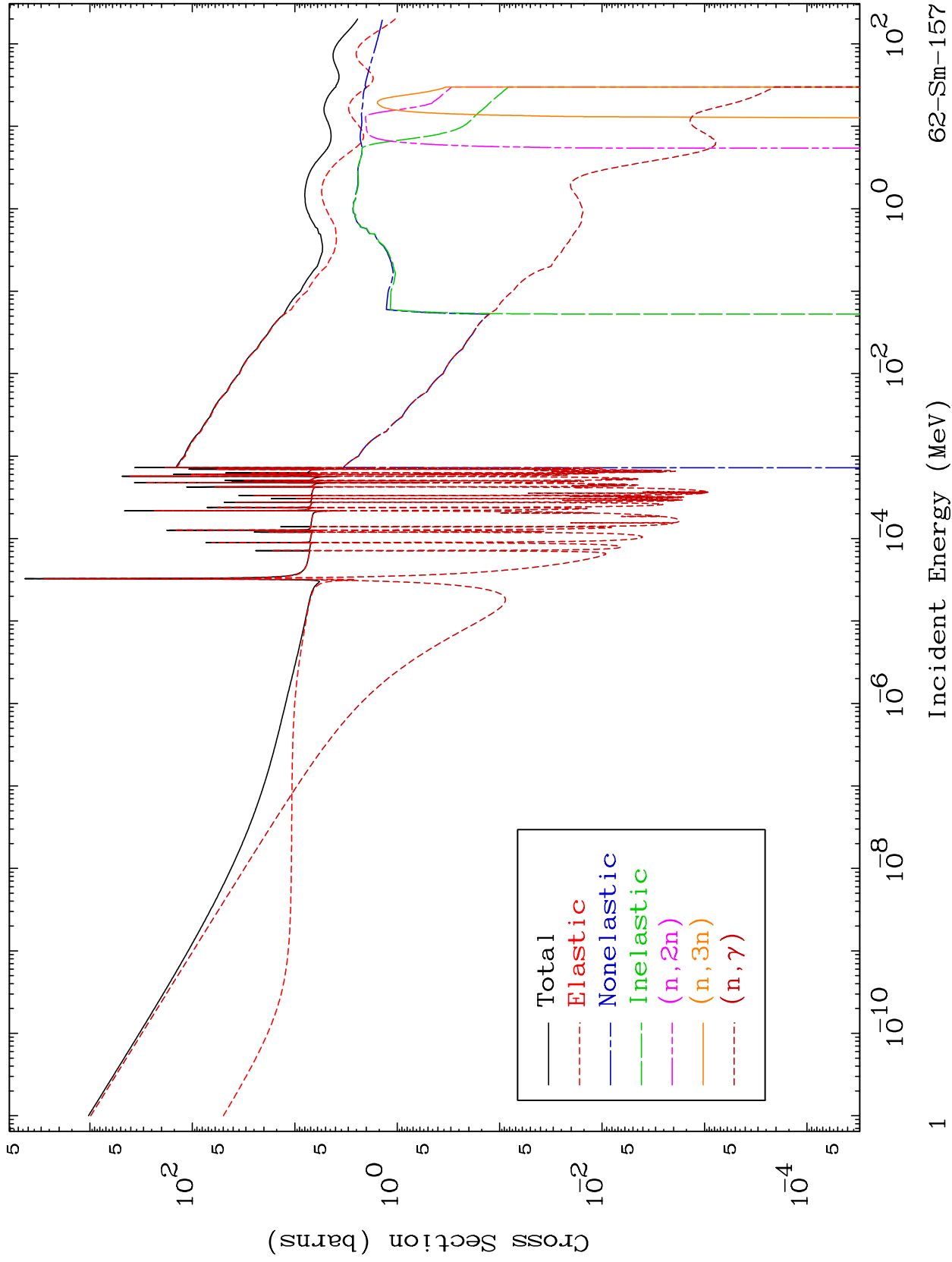
Web:redcullen1.net/HOMEPAGE.NEW

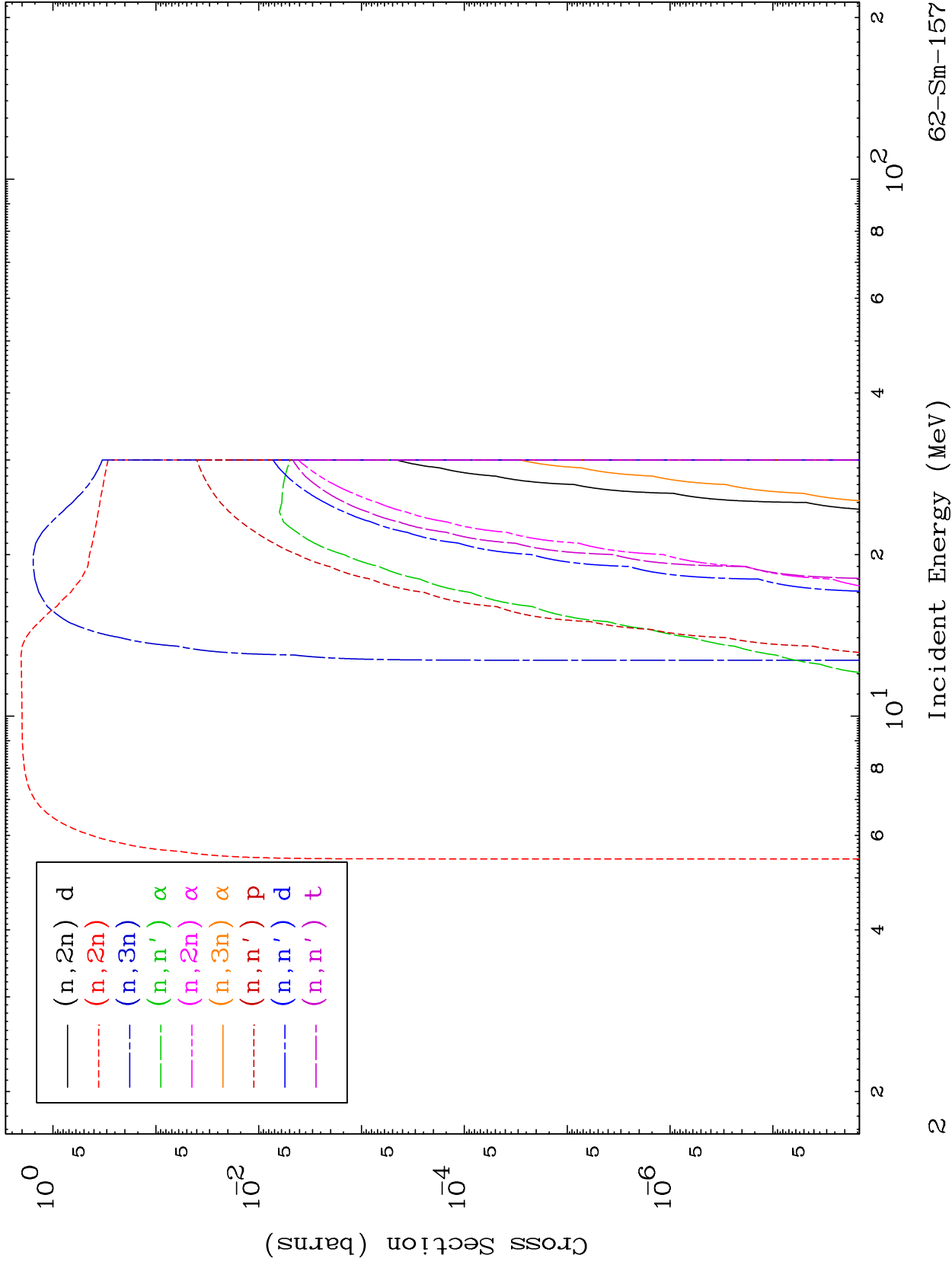
Press Mouse Button to Start

MAT 6264

Neutron Major
293 Kelvin Cross Sections

62-Sm-157

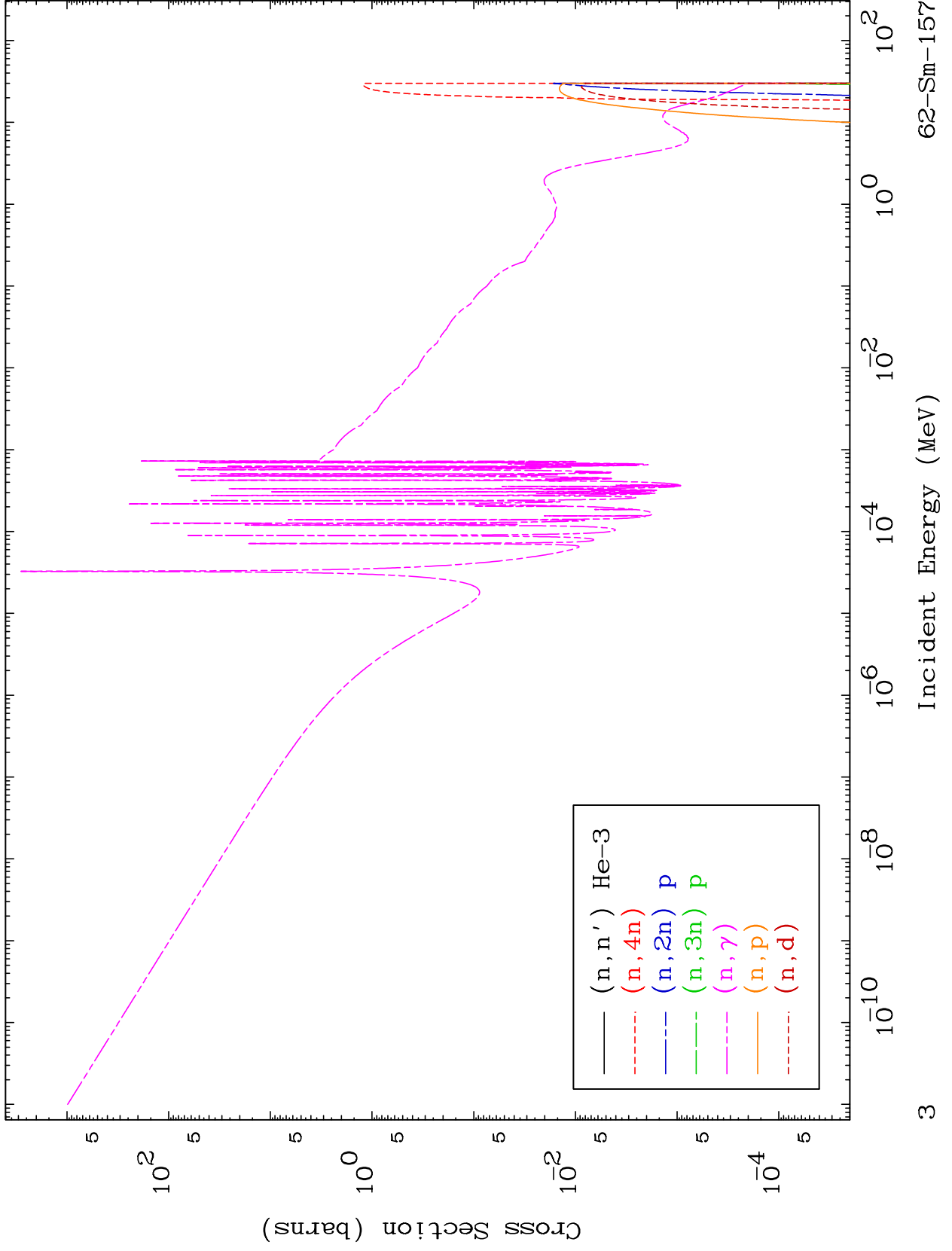




MAT 6264

Neutron Absorption
293 Kelvin Cross Sections

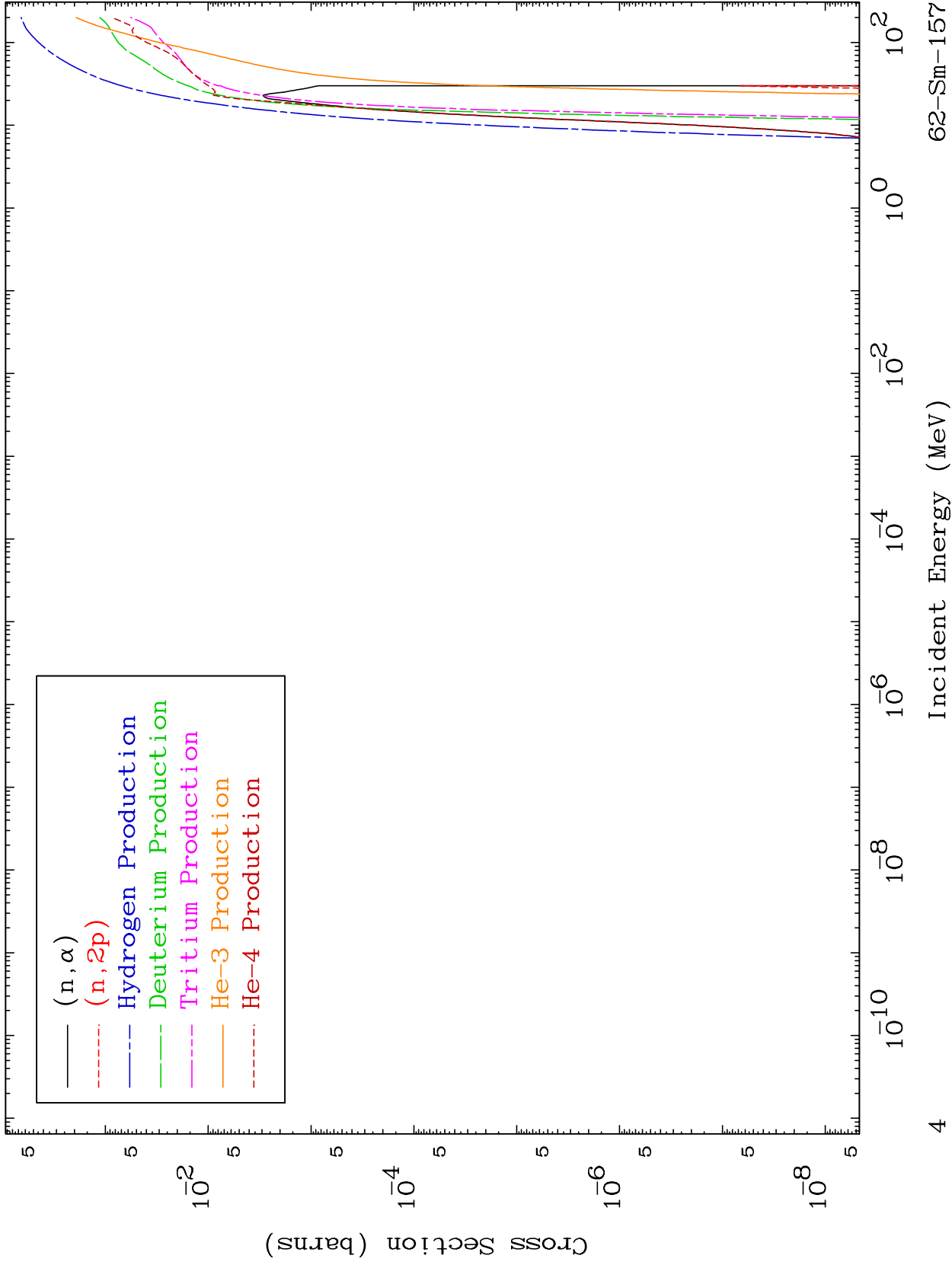
62-Sm-157



MAT 6264

Neutron Absorption
293 Kelvin Cross Sections

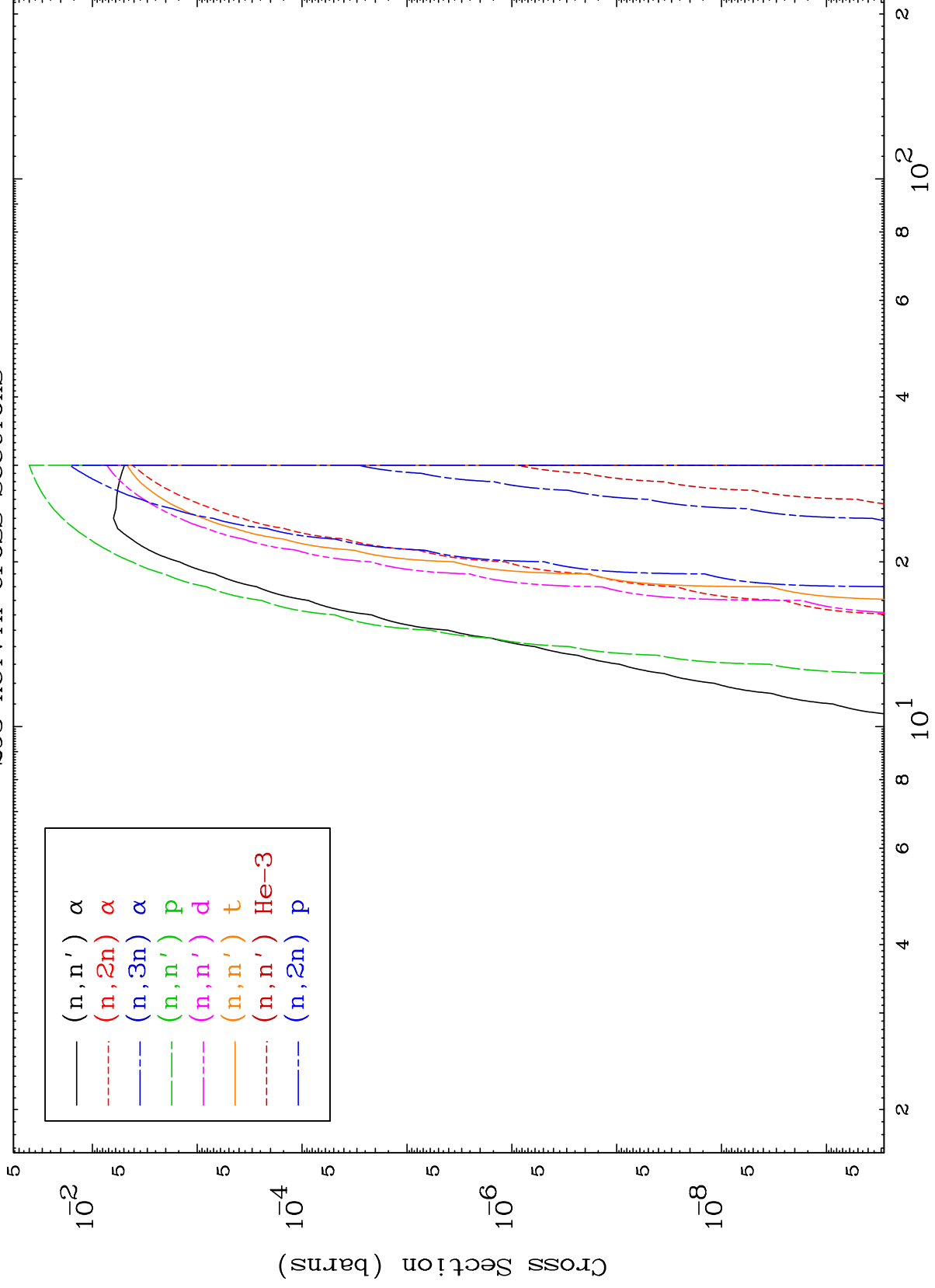
62-Sm-157



MAT 6264

Charged Particle
293 Kelvin Cross Sections

62-Sm-157



5

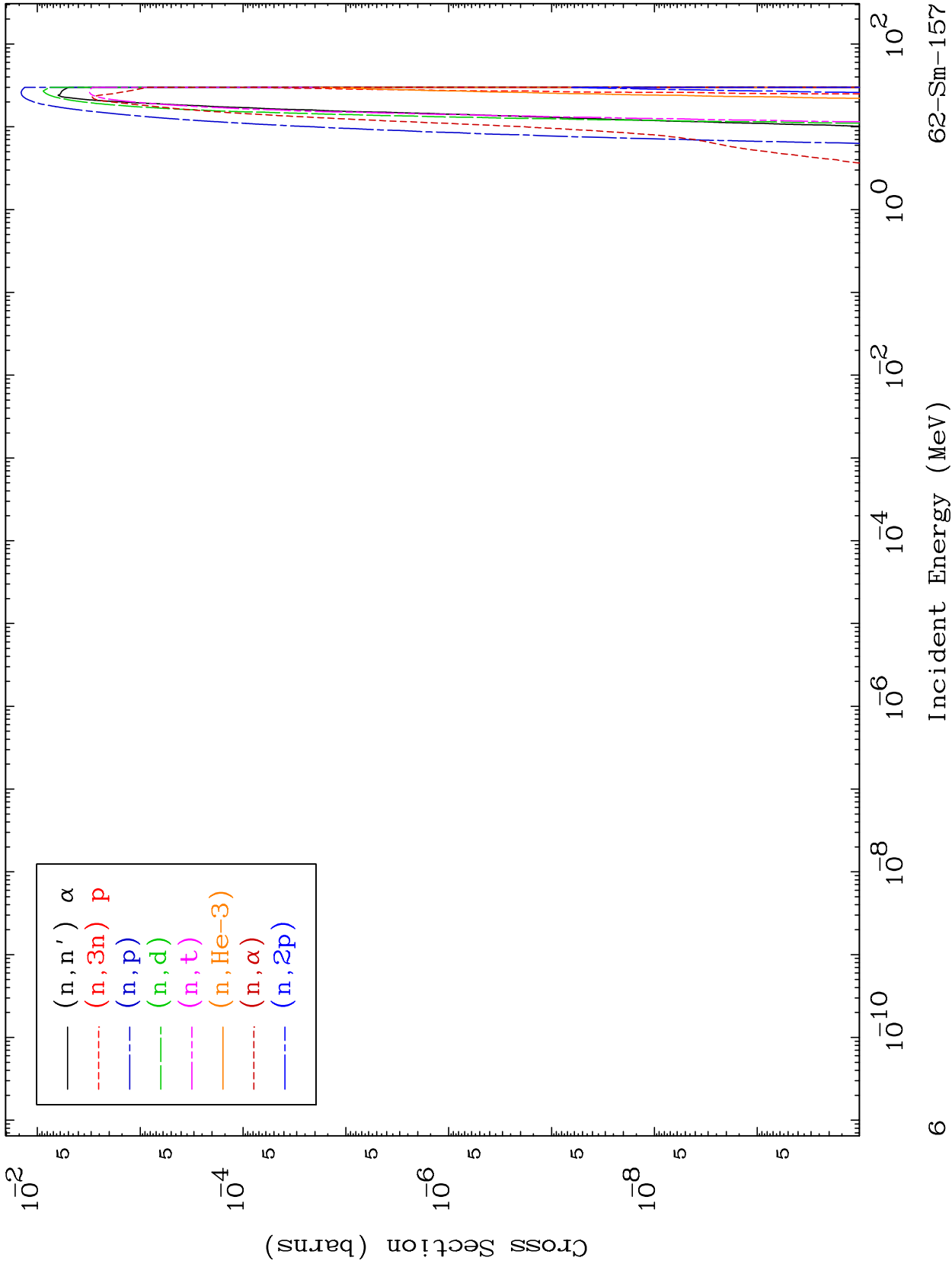
Incident Energy (MeV)

62-Sm-157

MAT 6264

Charged Particle
293 Kelvin Cross Sections

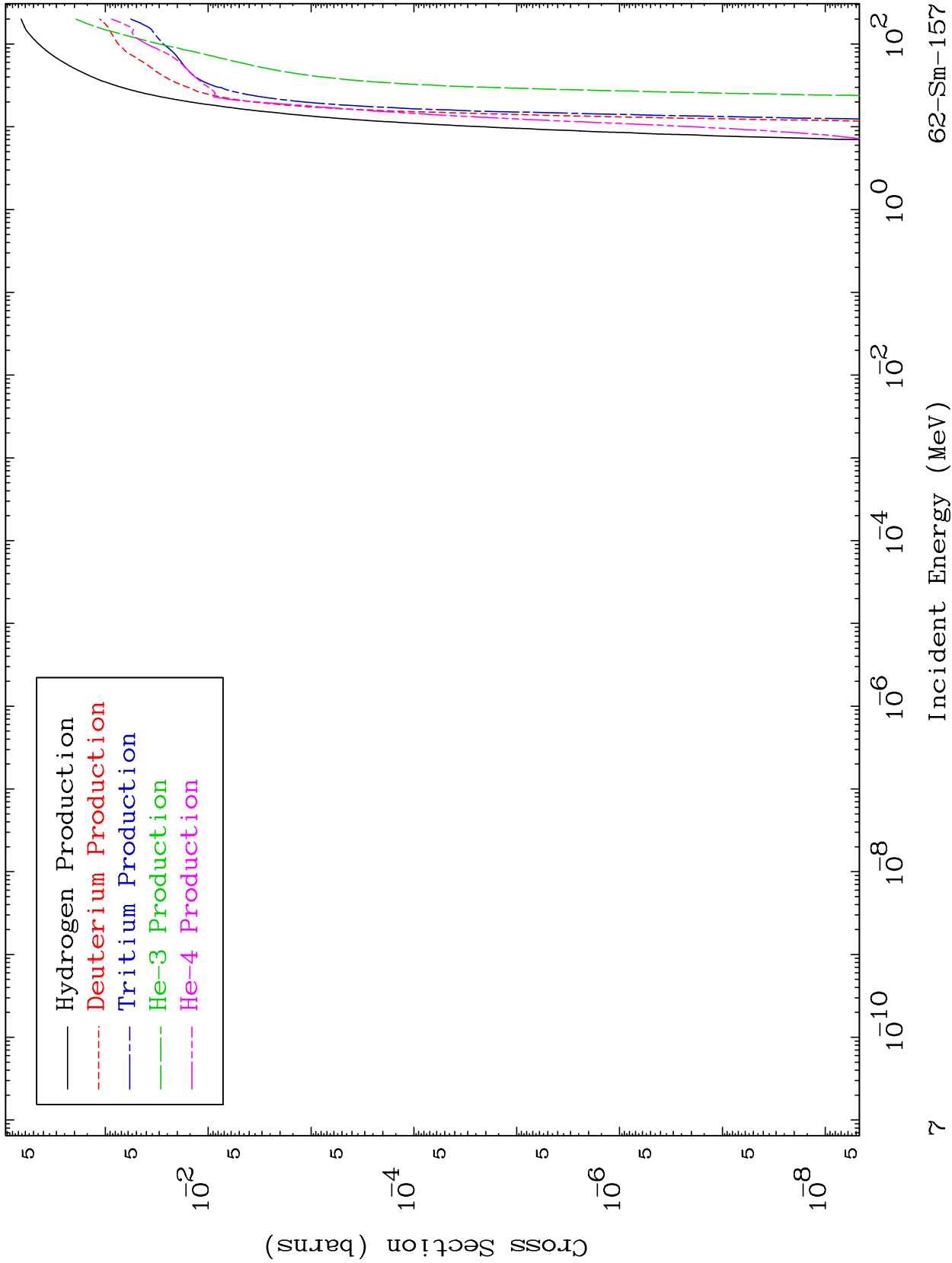
62-Sm-157

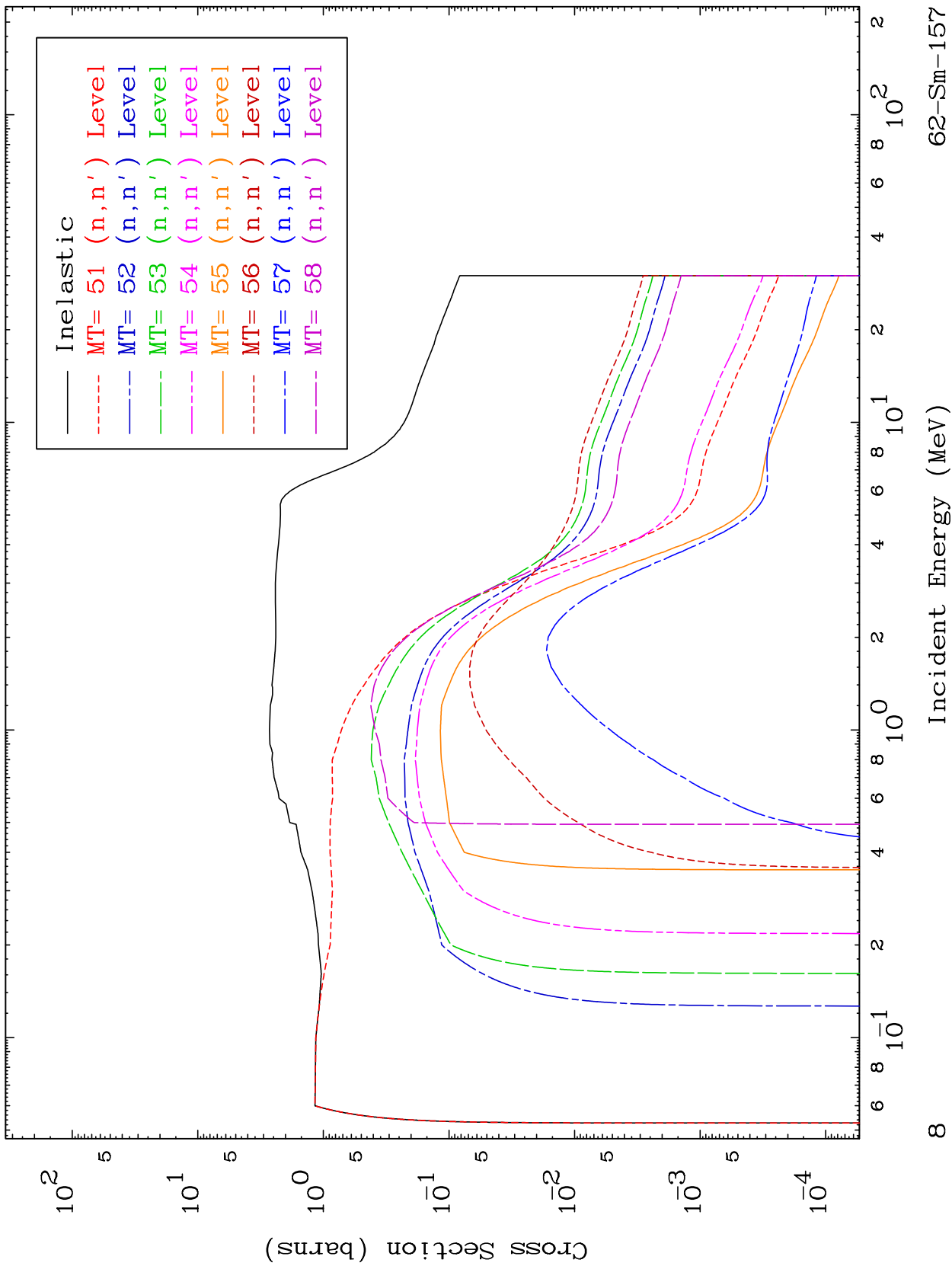


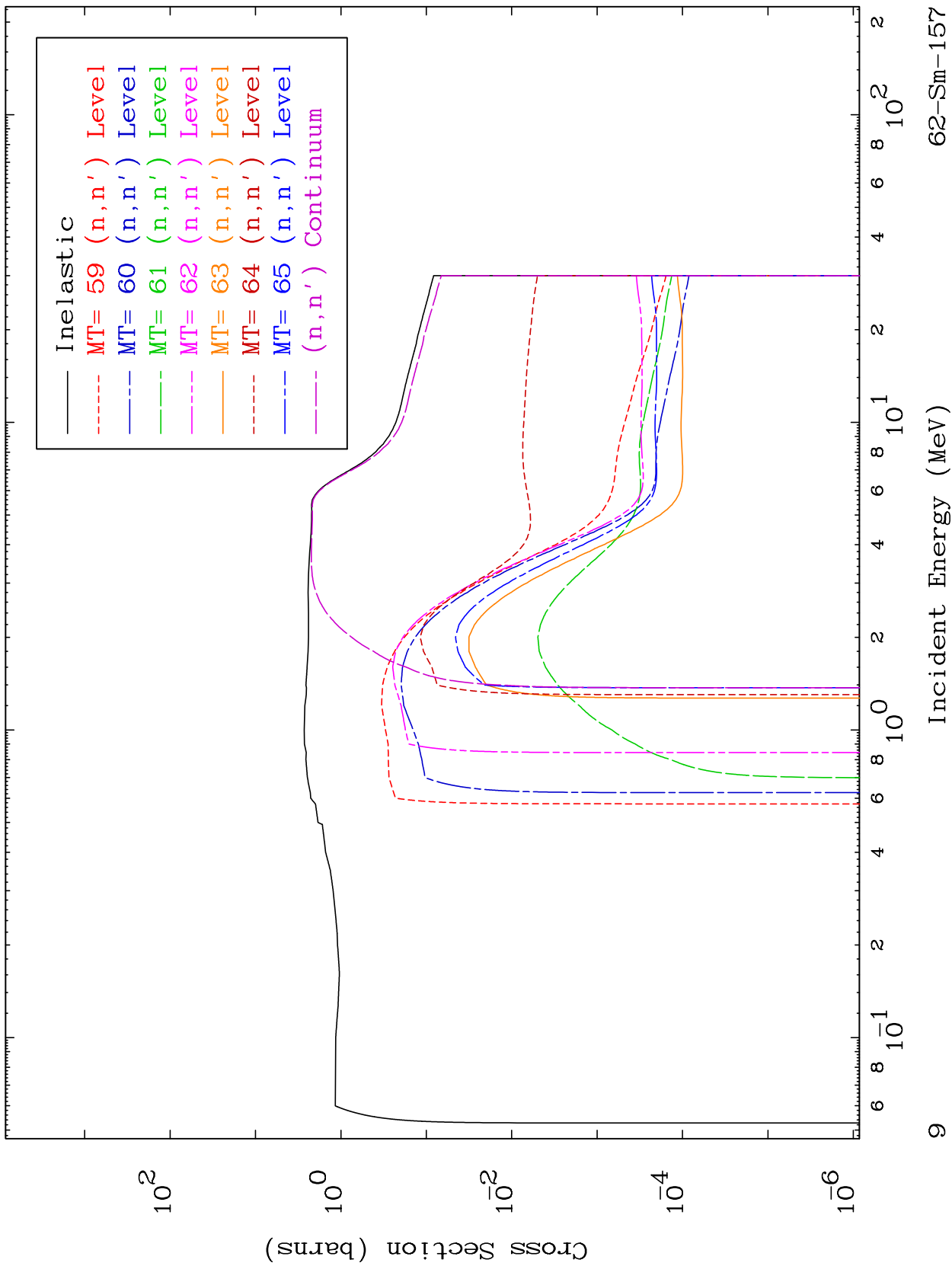
MAT 6264

Particle Production
293 Kelvin Cross Sections

62-Sm-157



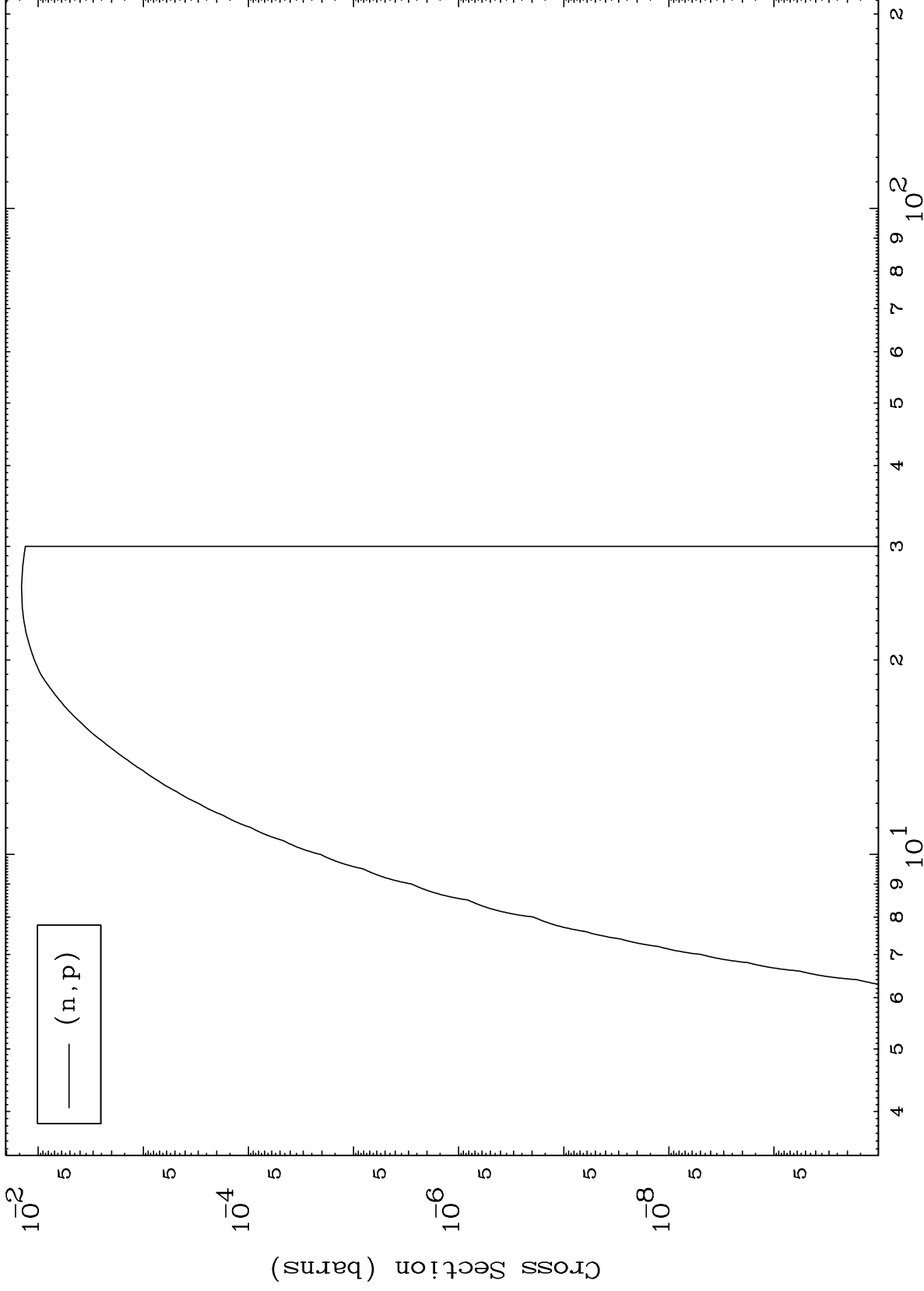




MAT 6264

(n,p) Levels
293 Kelvin Cross Sections

62-Sm-157



10

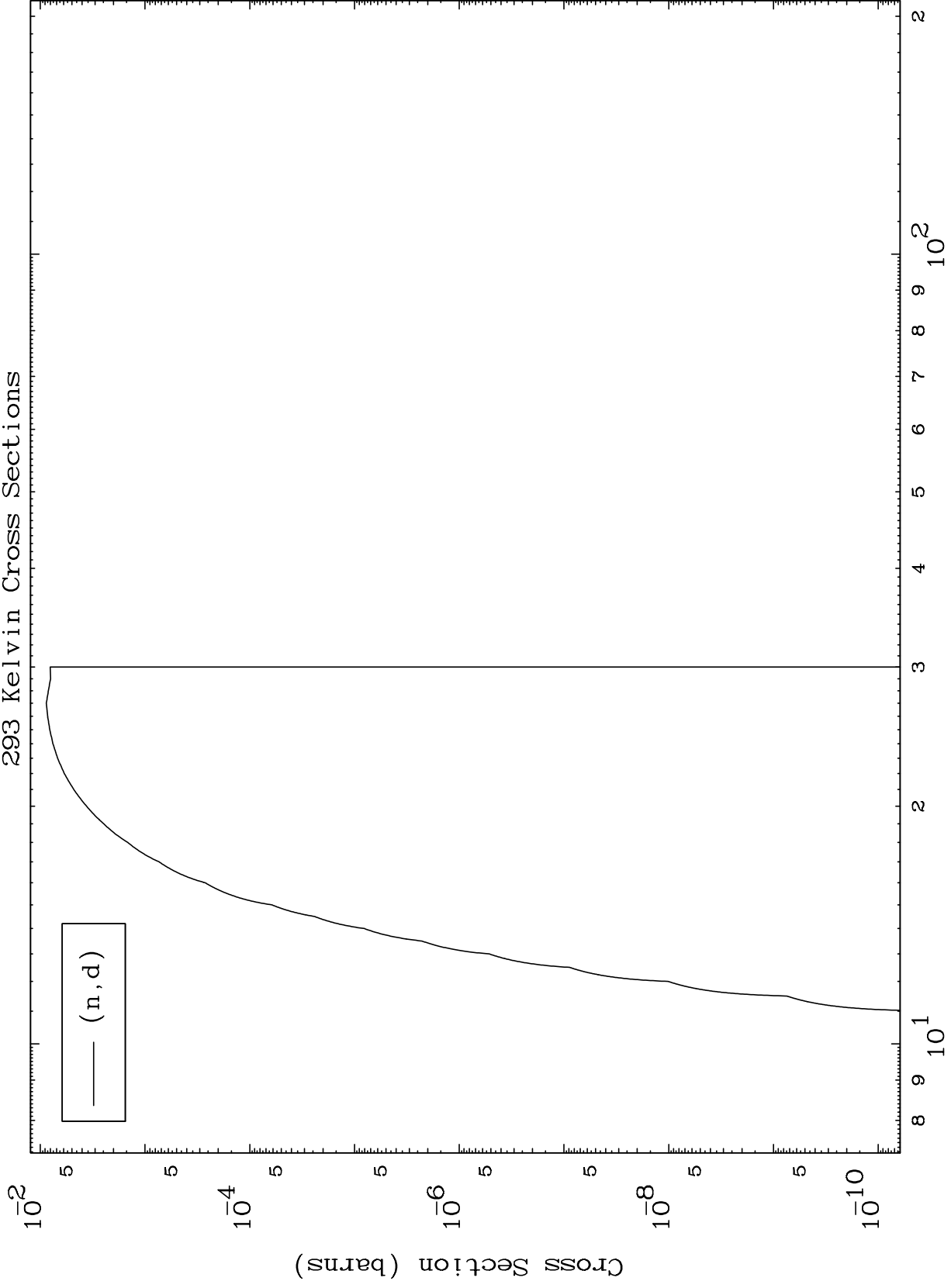
Incident Energy (MeV)

62-Sm-157

MAT 6264

(n,d) Levels
293 Kelvin Cross Sections

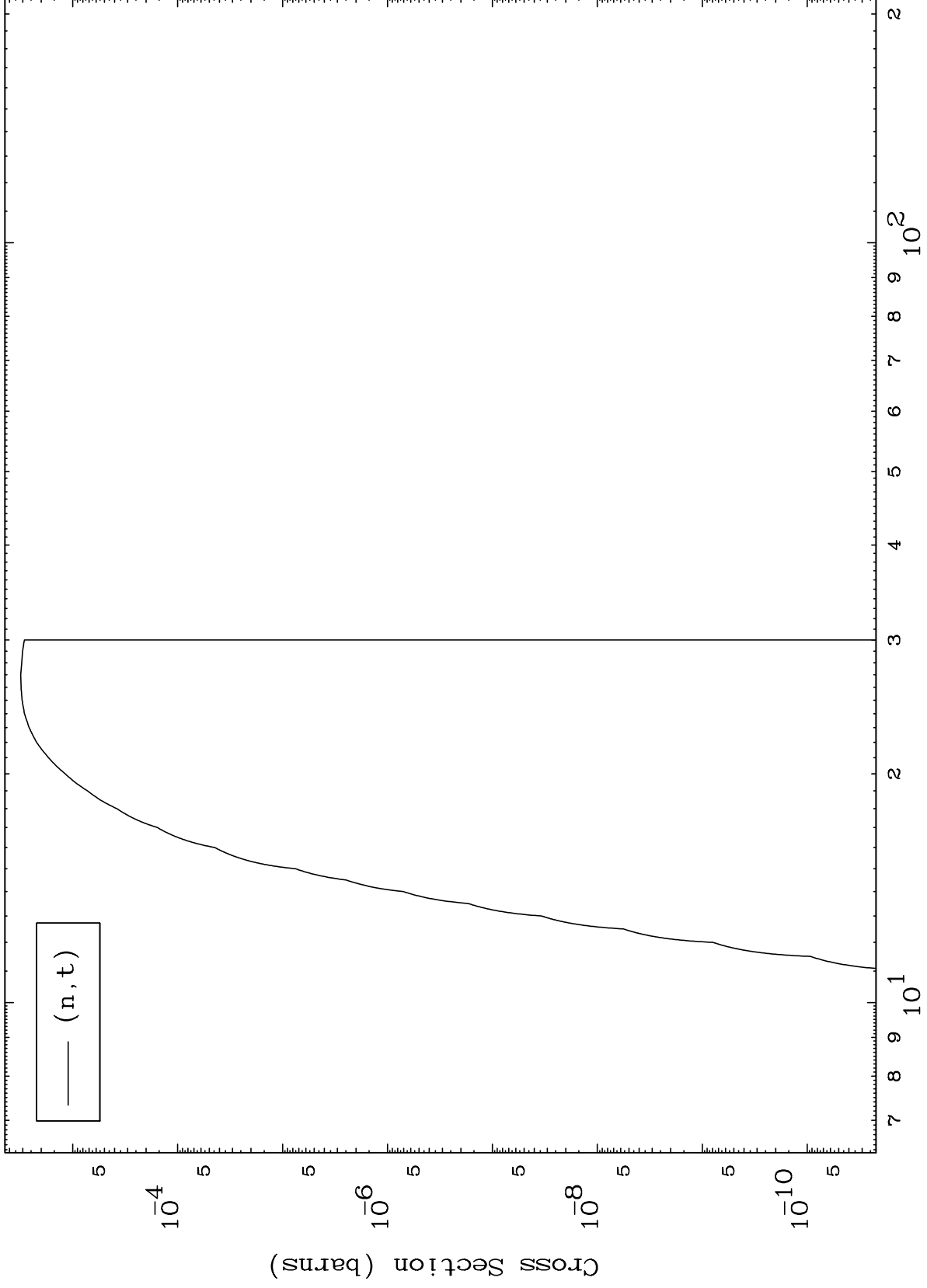
62-Sm-157



MAT 6264

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-157



12

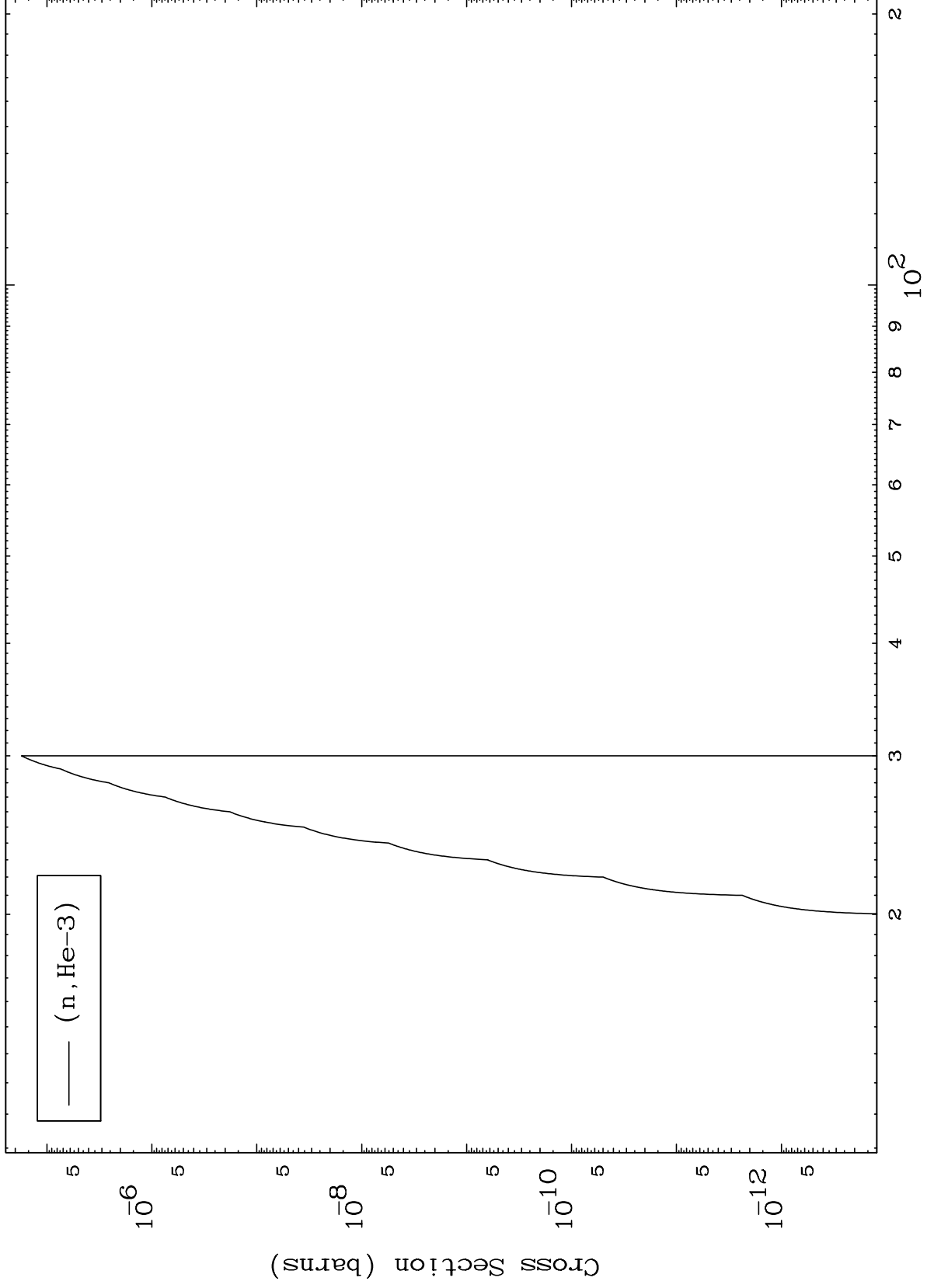
Incident Energy (MeV)

62-Sm-157

MAT 6264

(n,He3) Levels
293 Kelvin Cross Sections

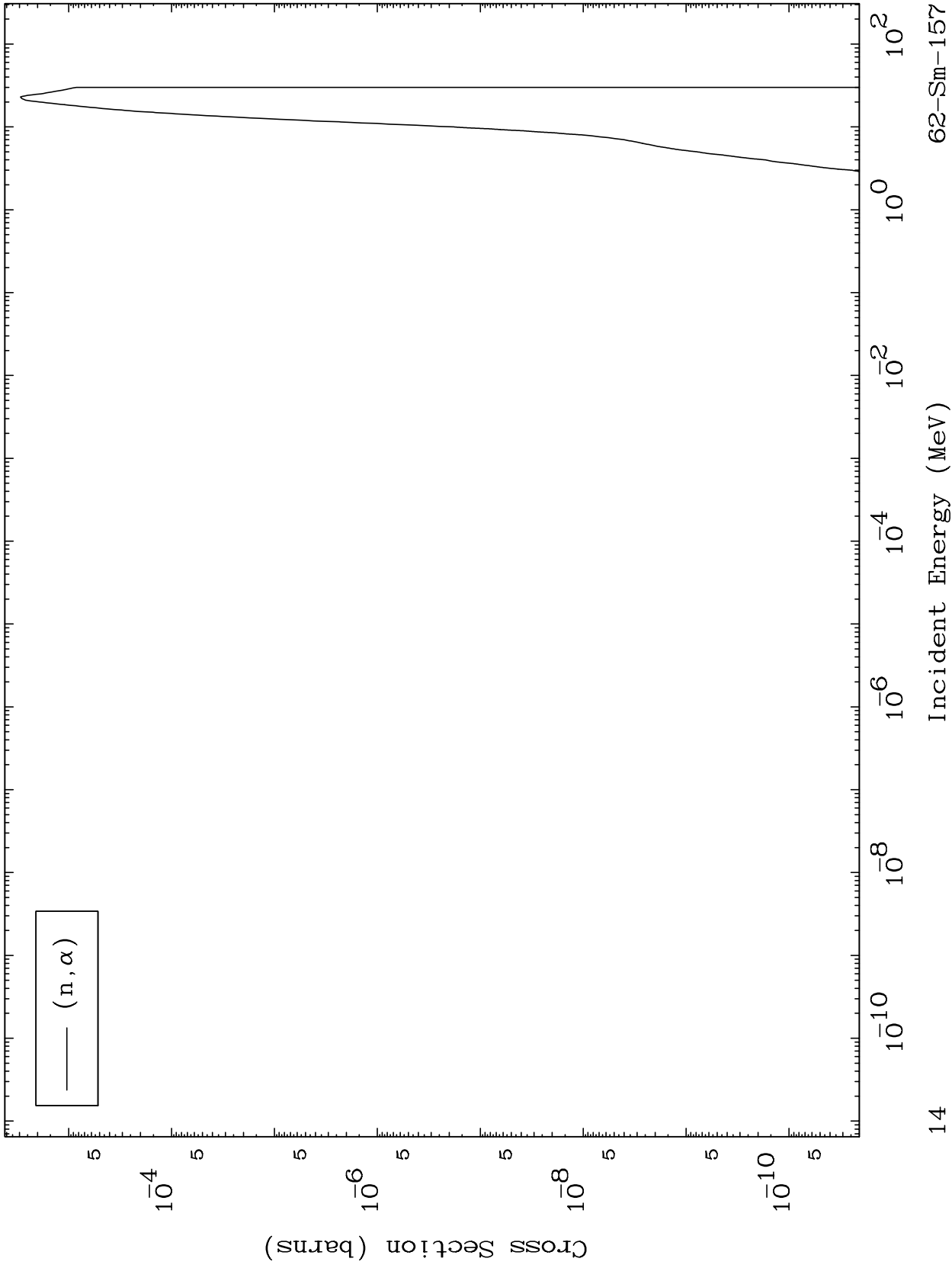
62-Sm-157



MAT 6264

(n, α) Levels
293 Kelvin Cross Sections

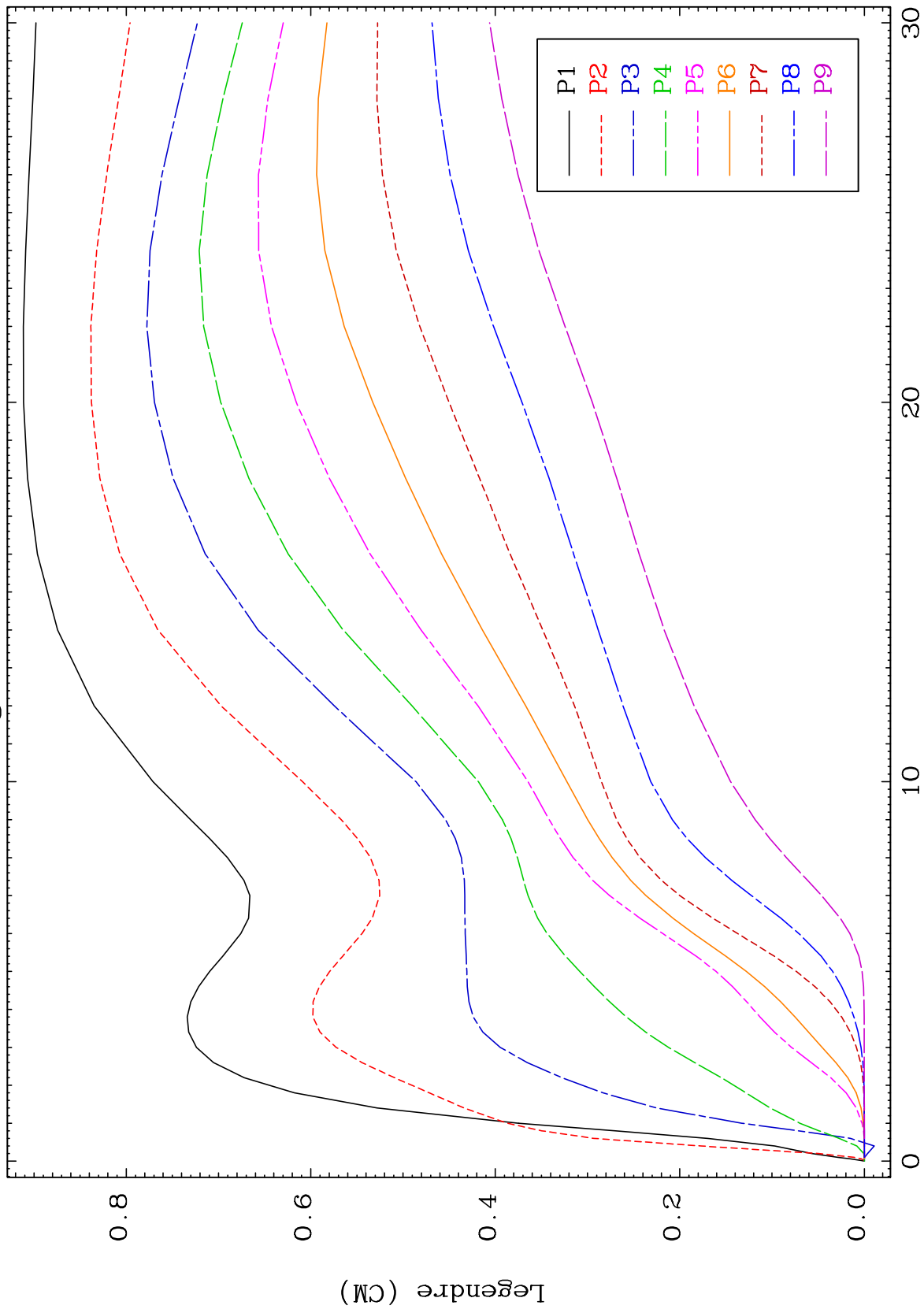
62-Sm-157



MAT 6264

Elastic Legendre Coefficients

62-Sm-157



15

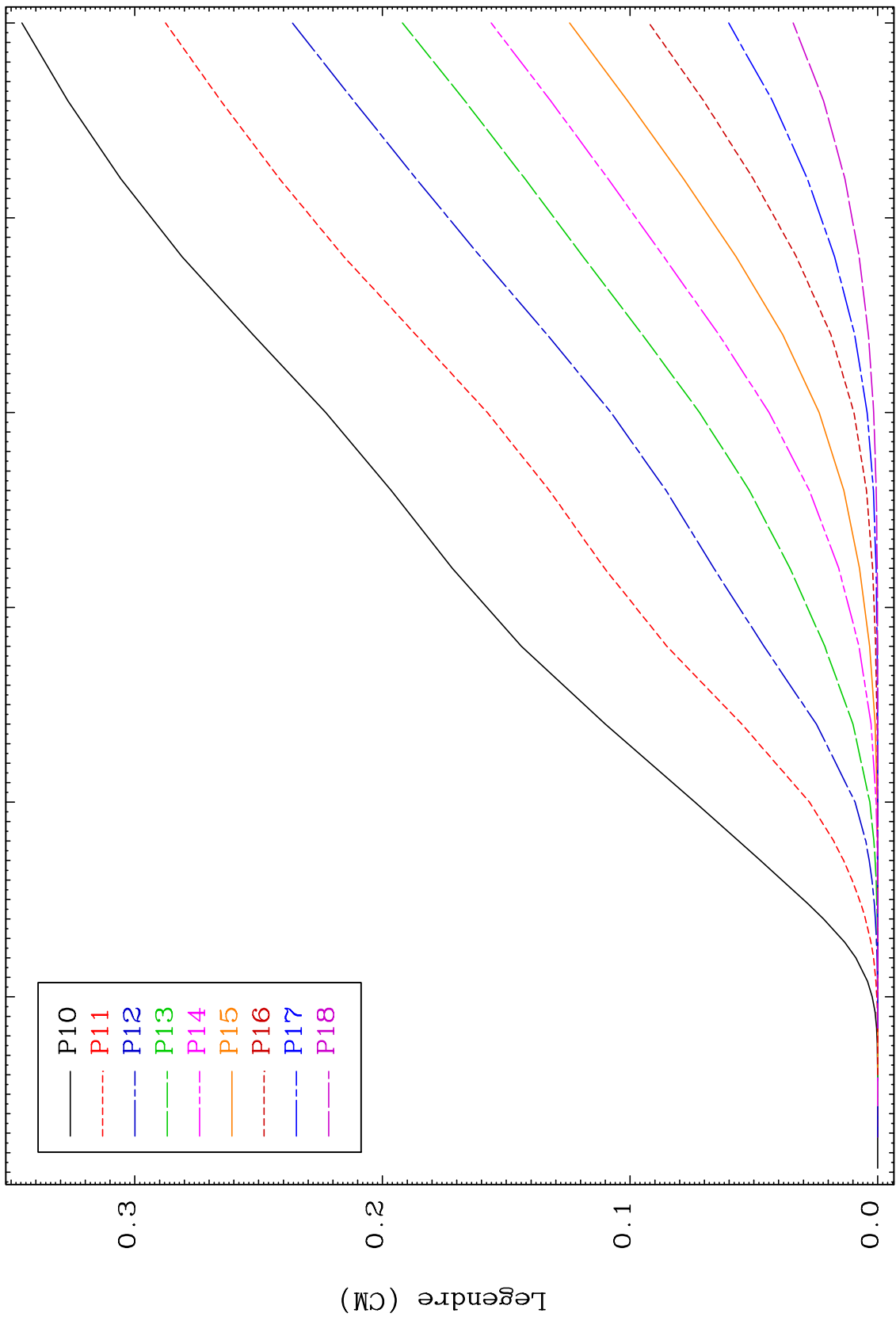
Incident Energy (MeV)

62-Sm-157

MAT 6264

Elastic Legendre Coefficients

⁶²Sm-157



16

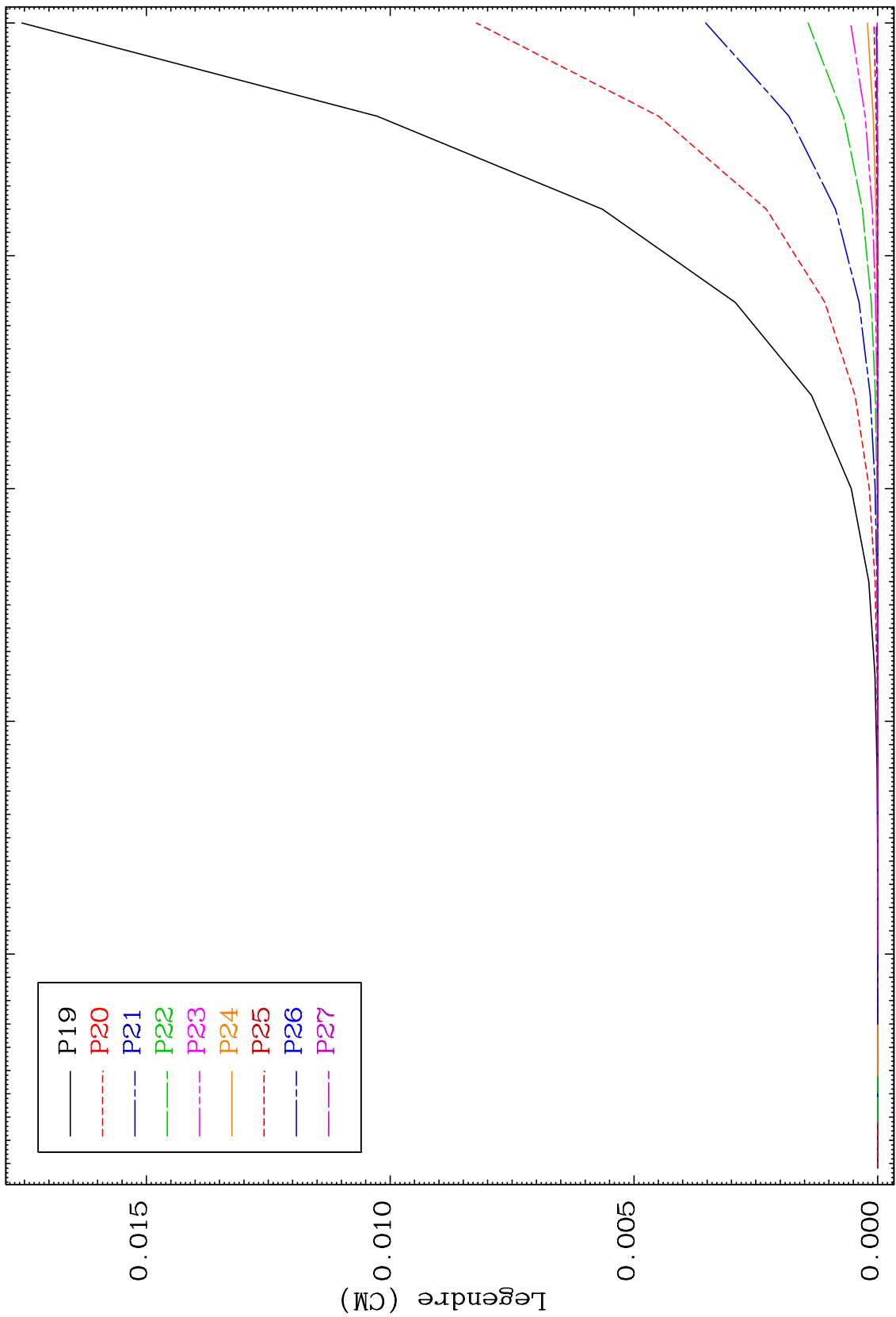
Incident Energy (MeV)

⁶²Sm-157

MAT 6264

Elastic Legendre Coefficients

62-Sm-157



17

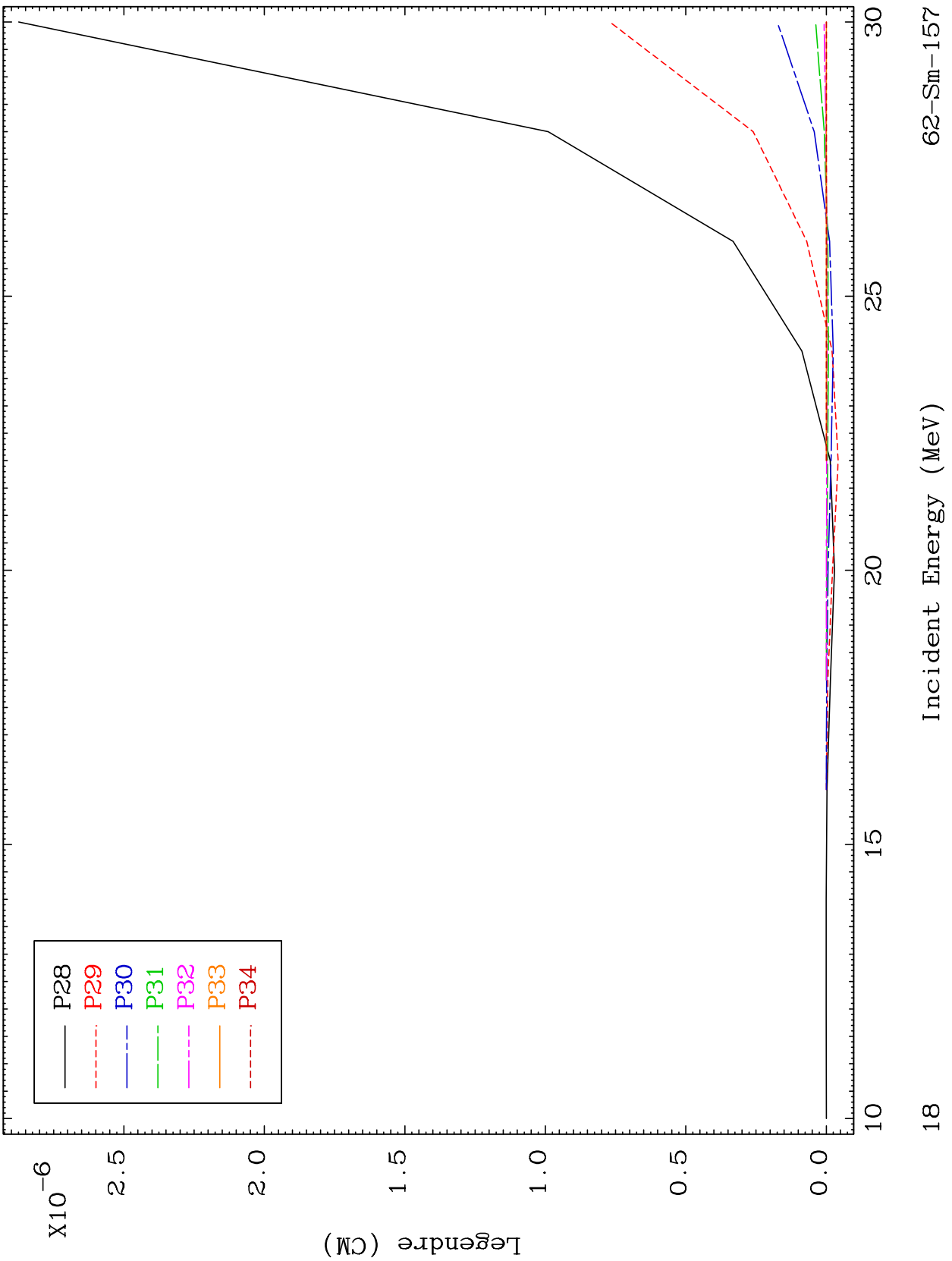
Incident Energy (MeV)

62-Sm-157

MAT 6264

Elastic Legendre Coefficients

62-Sm-157



62-Sm-157

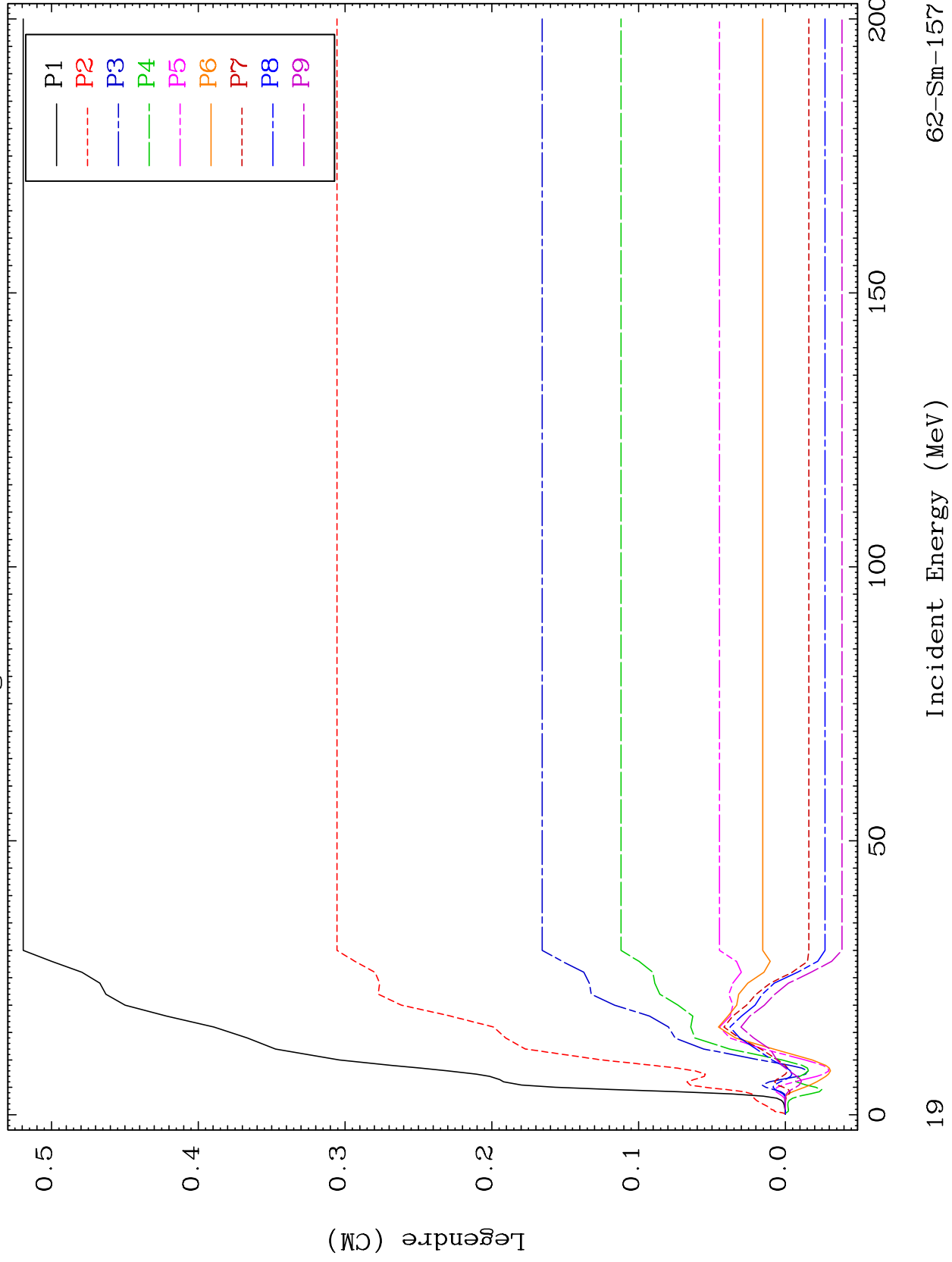
Incident Energy (MeV)

18

MAT 6264

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

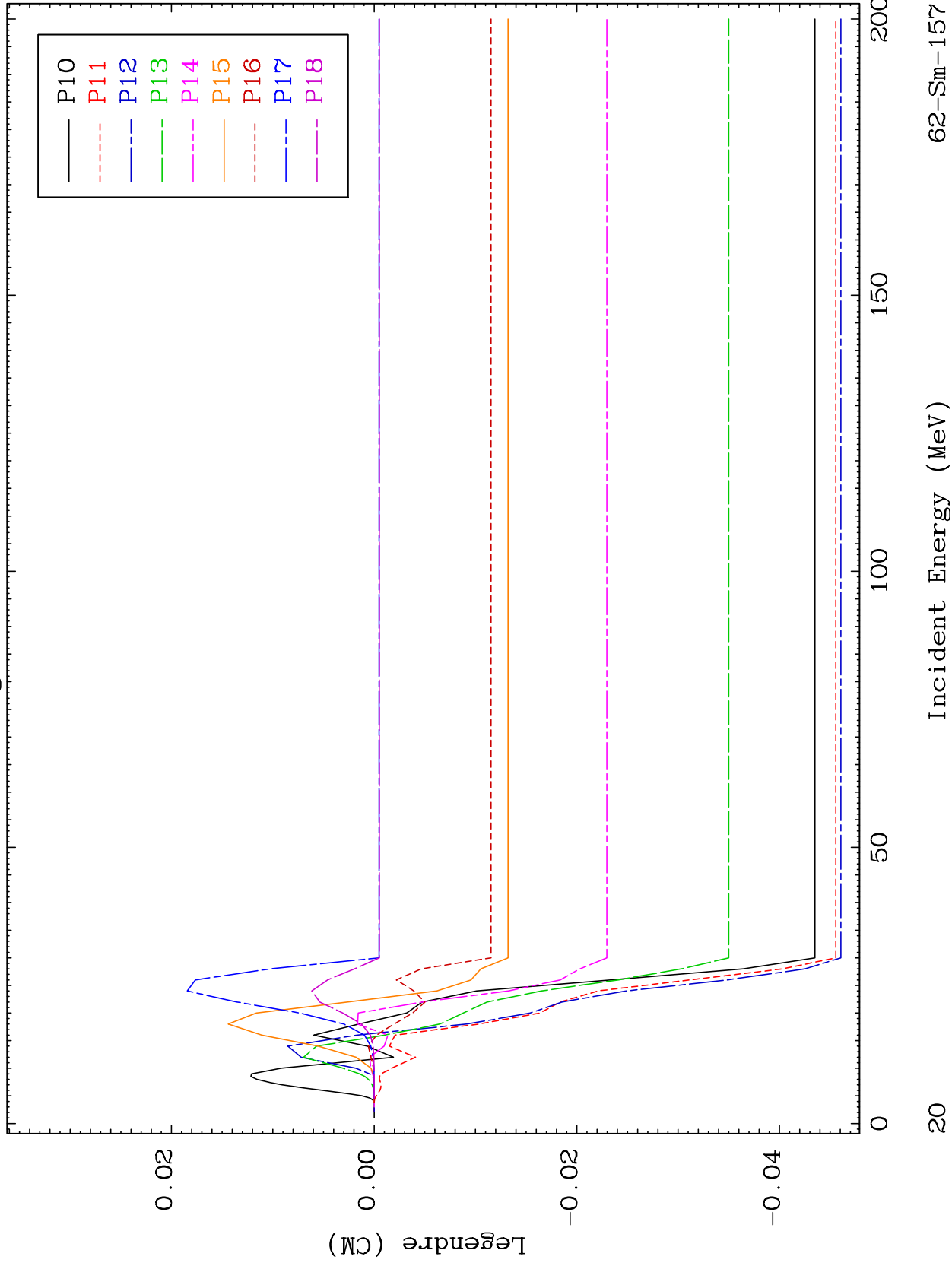
62-Sm-157



MAT 6264

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

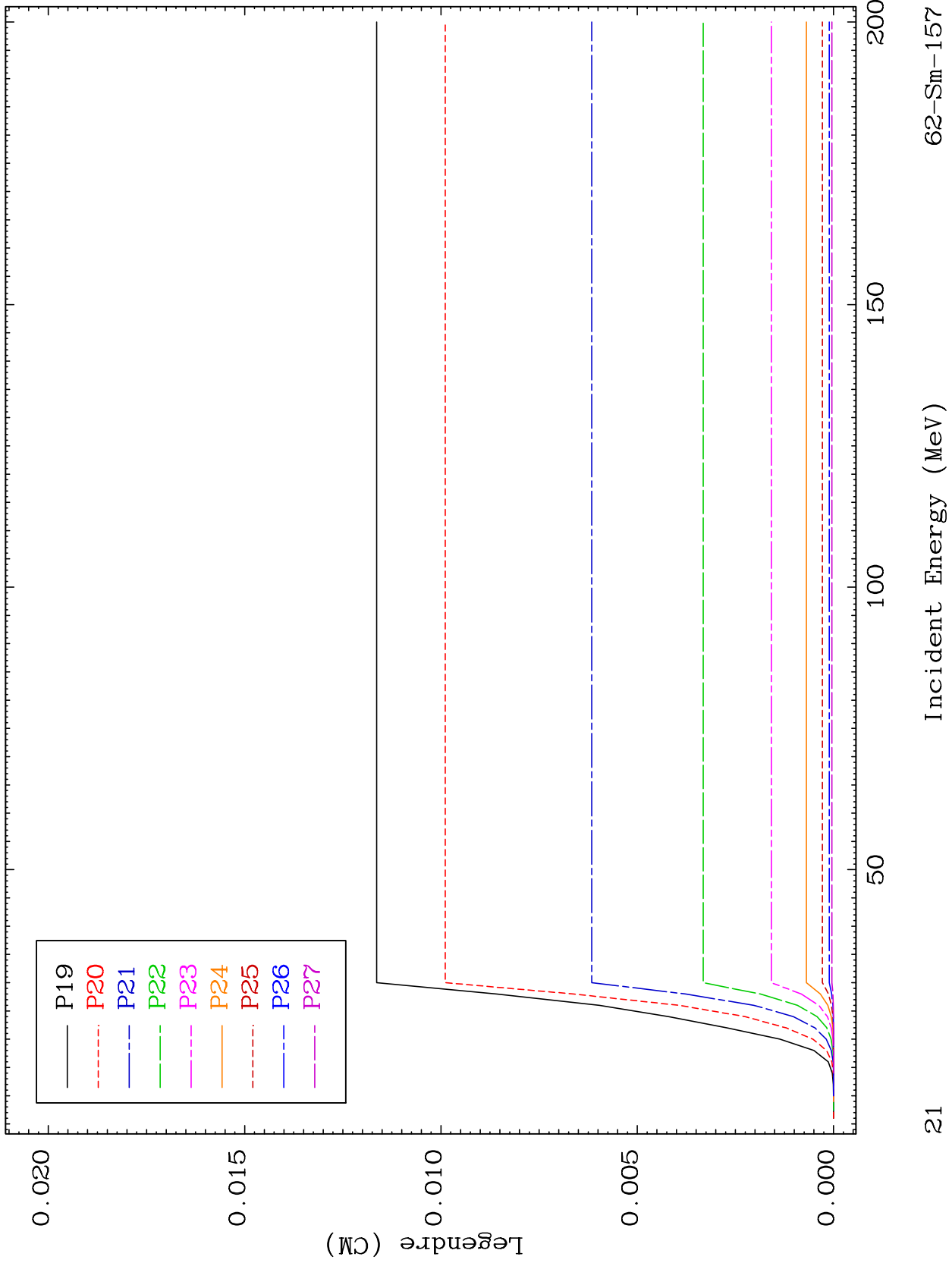
62-Sm-157



MAT 6264

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

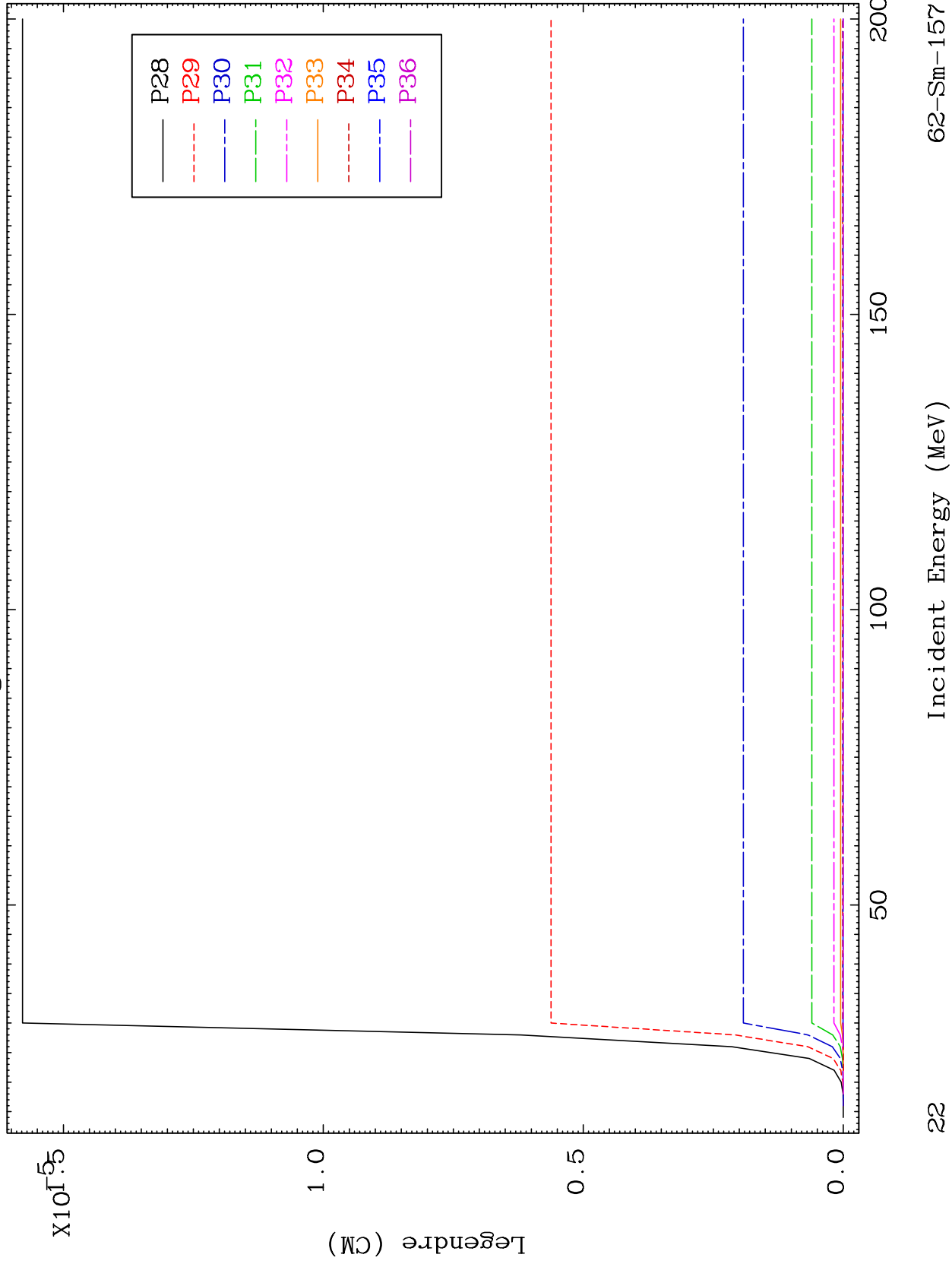
62-Sm-157



MAT 6264

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

62-Sm-157



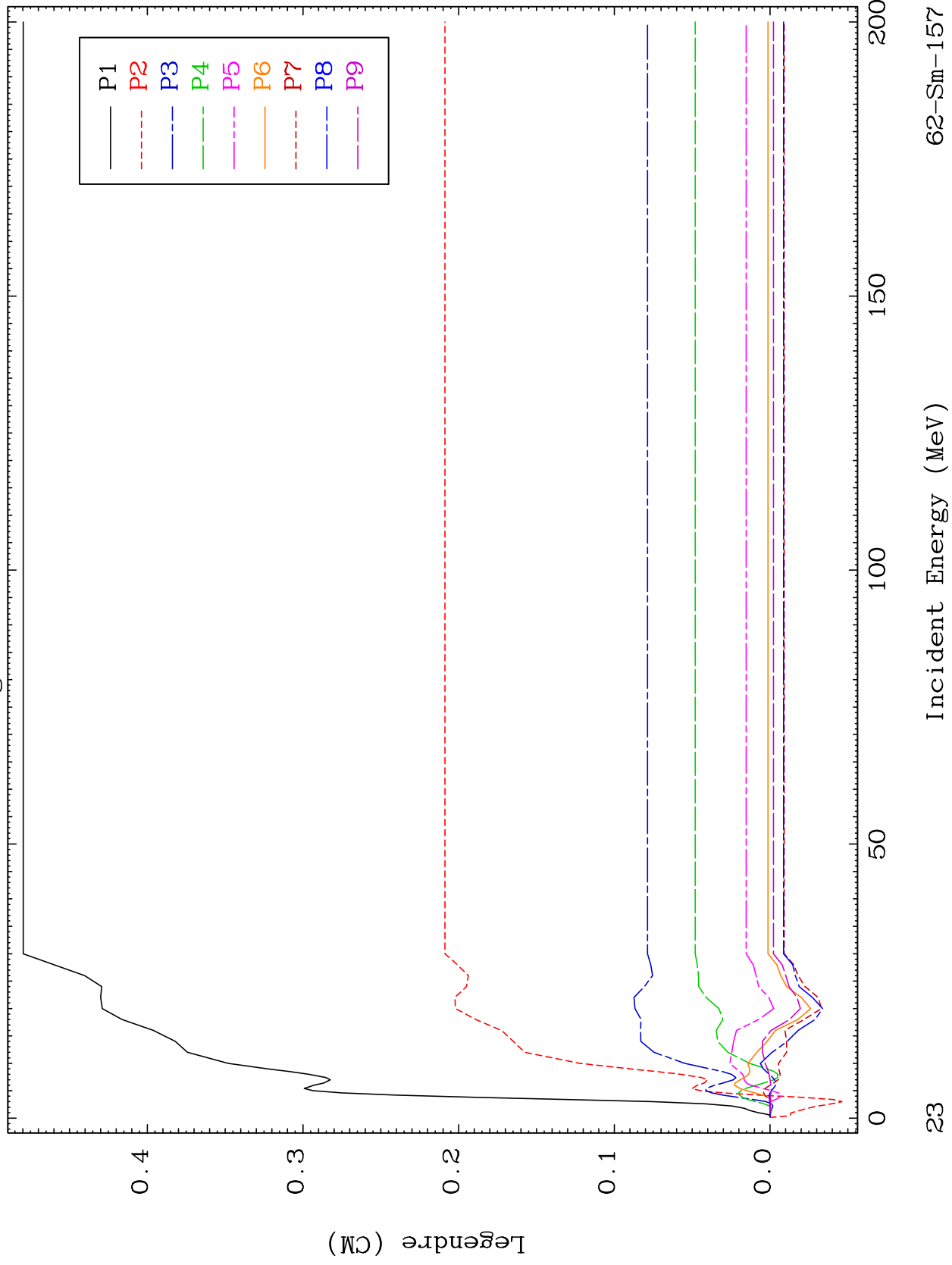
22

62-Sm-157

MAT 6264

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

62-Sm-157



62-Sm-157

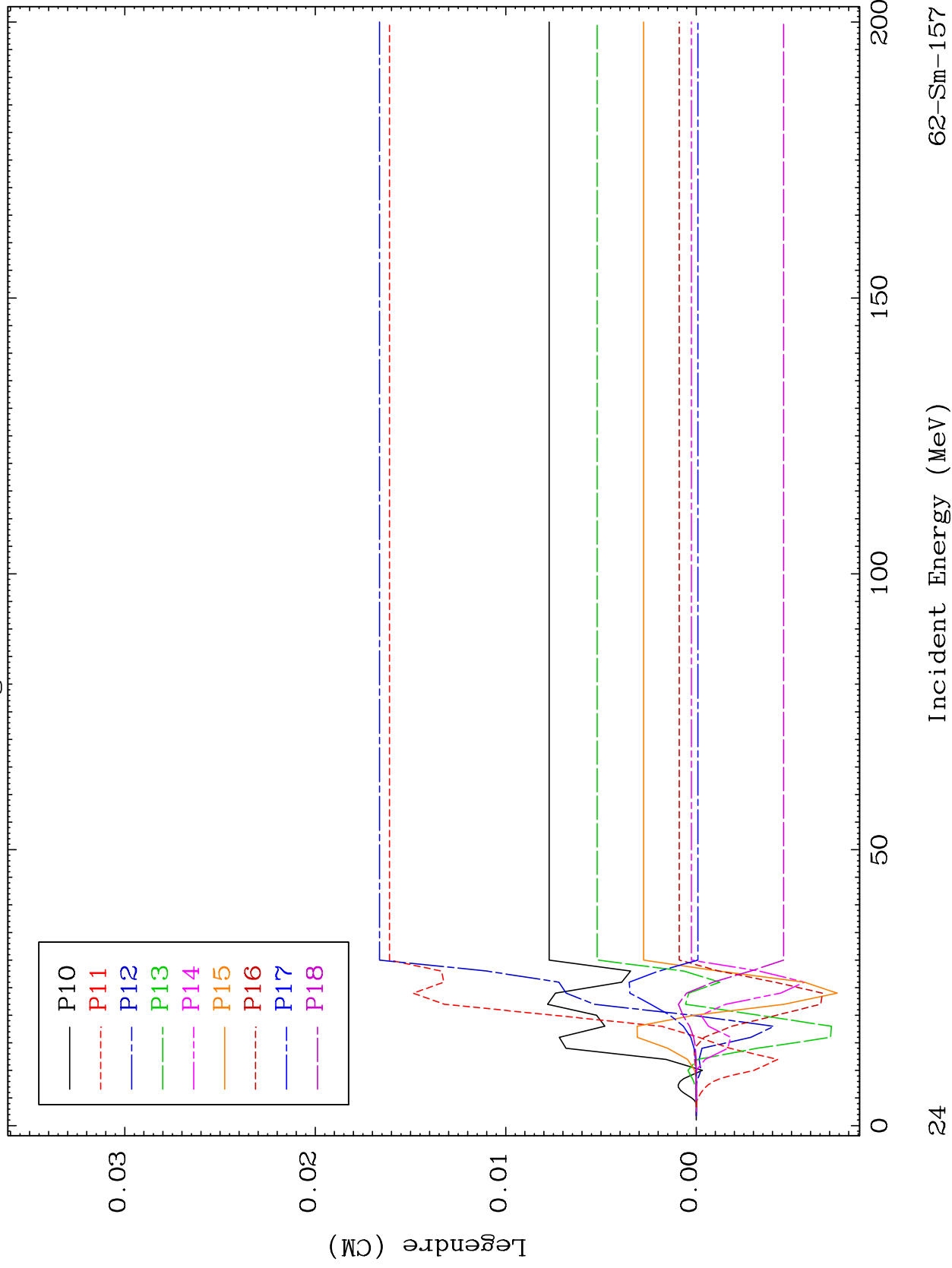
Incident Energy (MeV)

23

MAT 6264

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

62-Sm-157



24

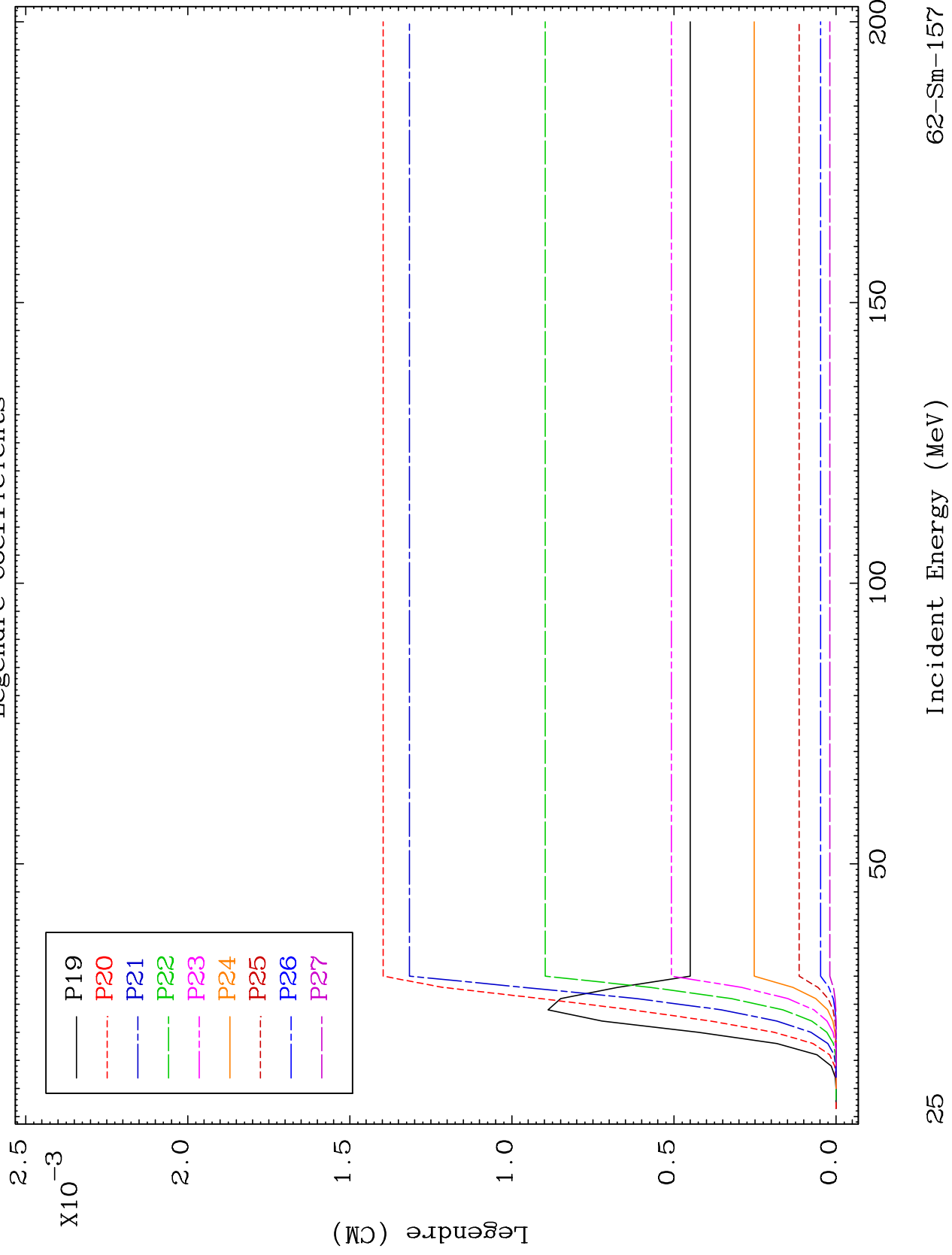
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



25

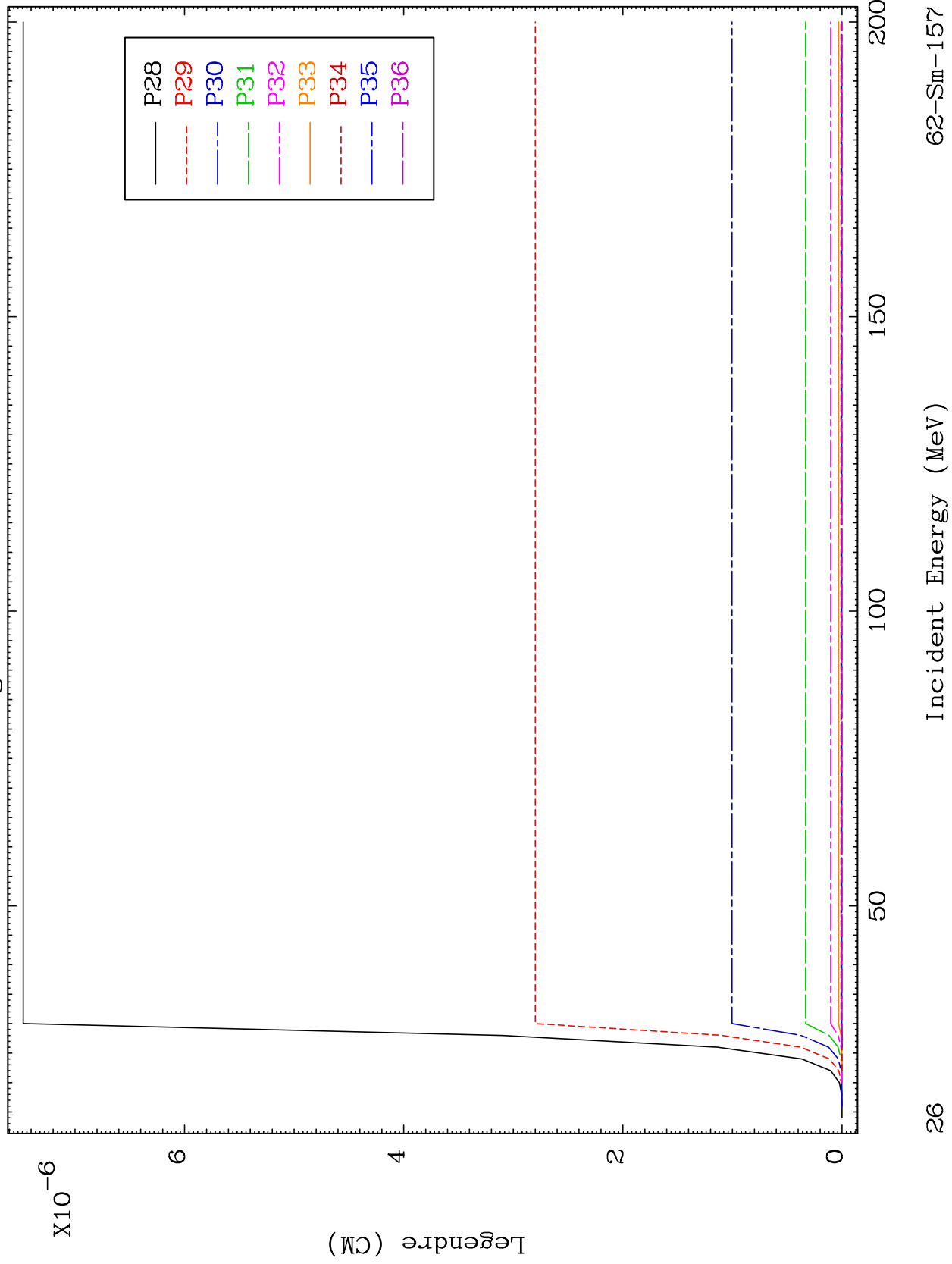
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

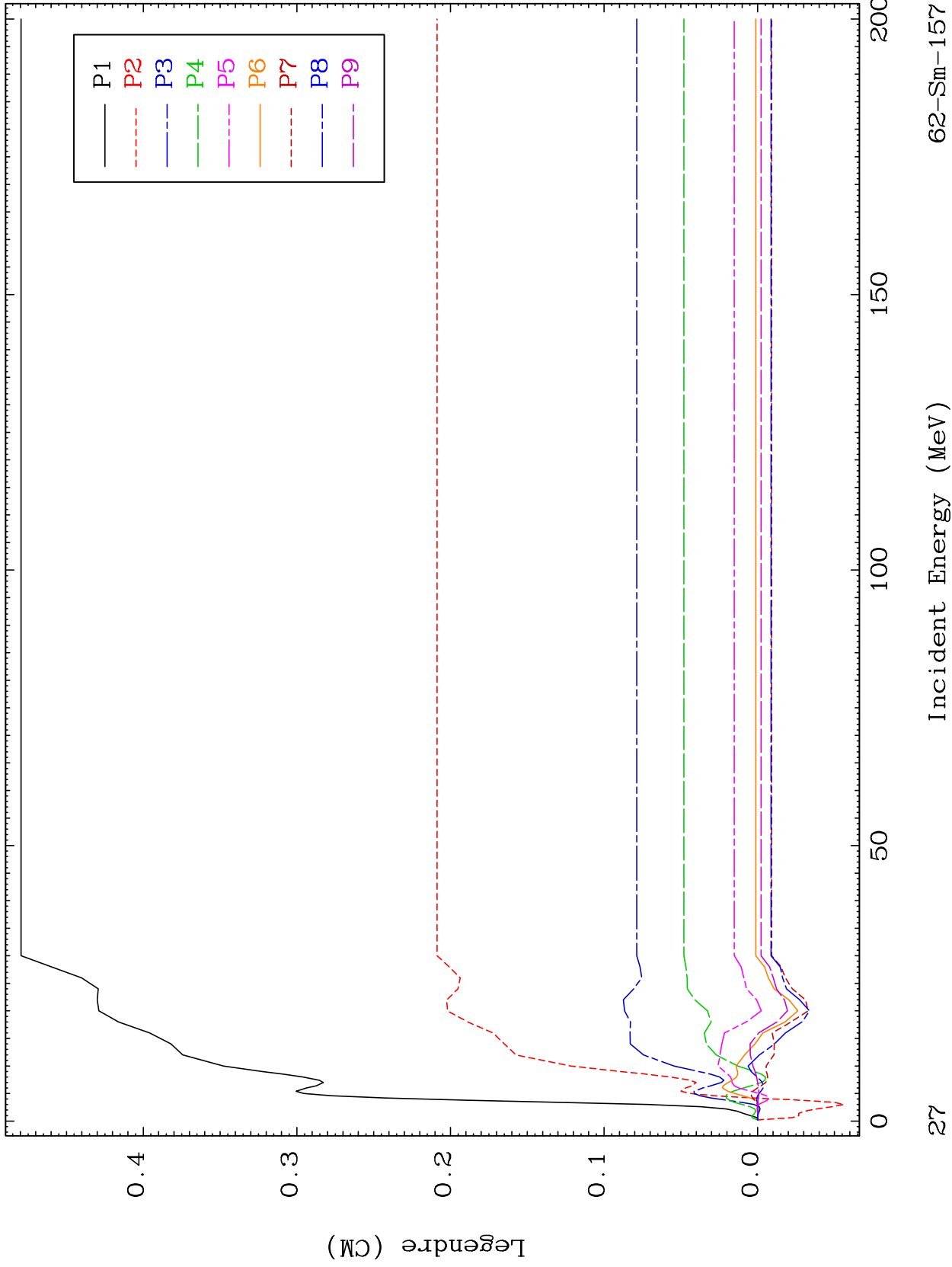
62-Sm-157



26

Incident Energy (MeV)

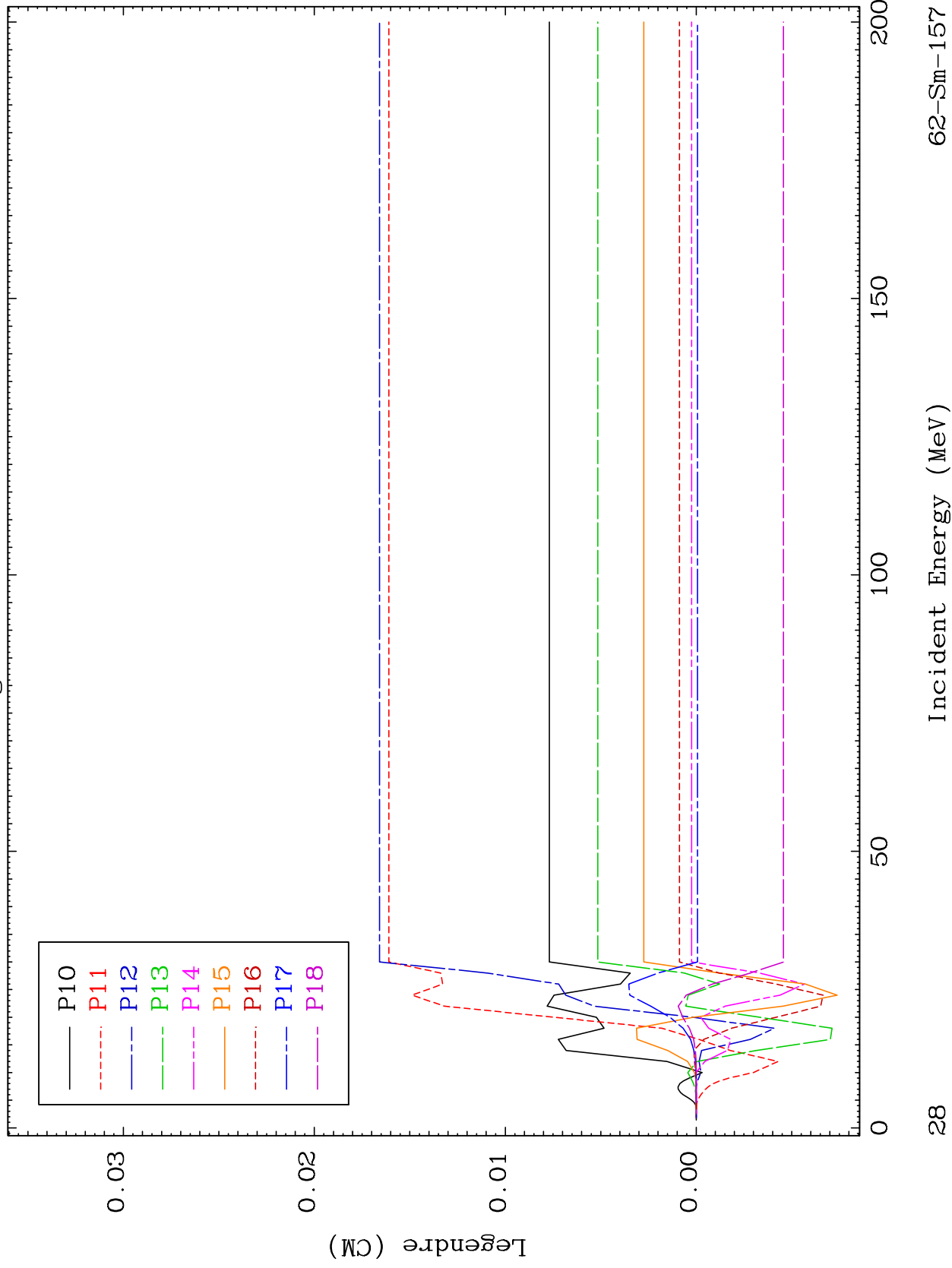
62-Sm-157



MAT 6264

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

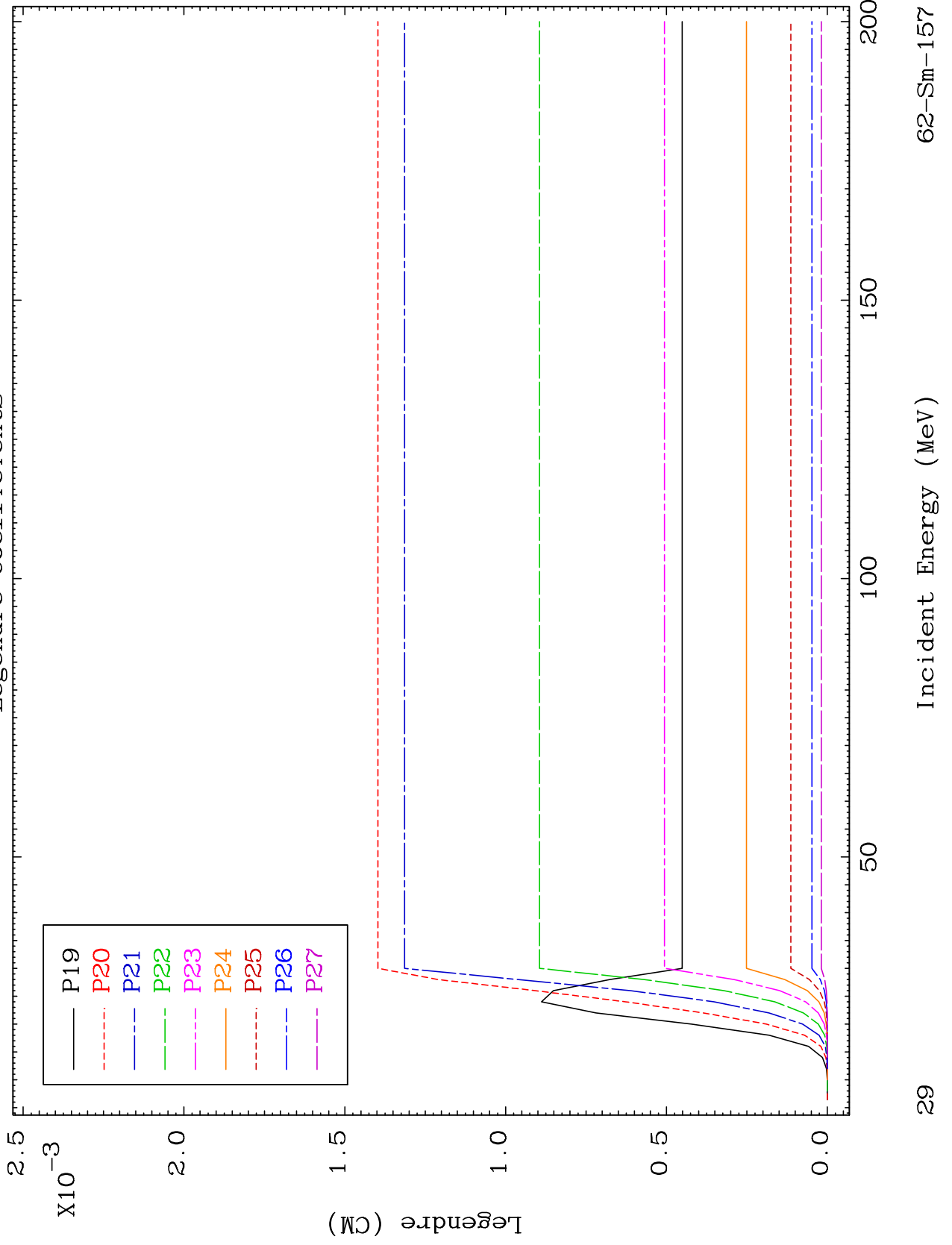
62-Sm-157



62-Sm-157

Incident Energy (MeV)

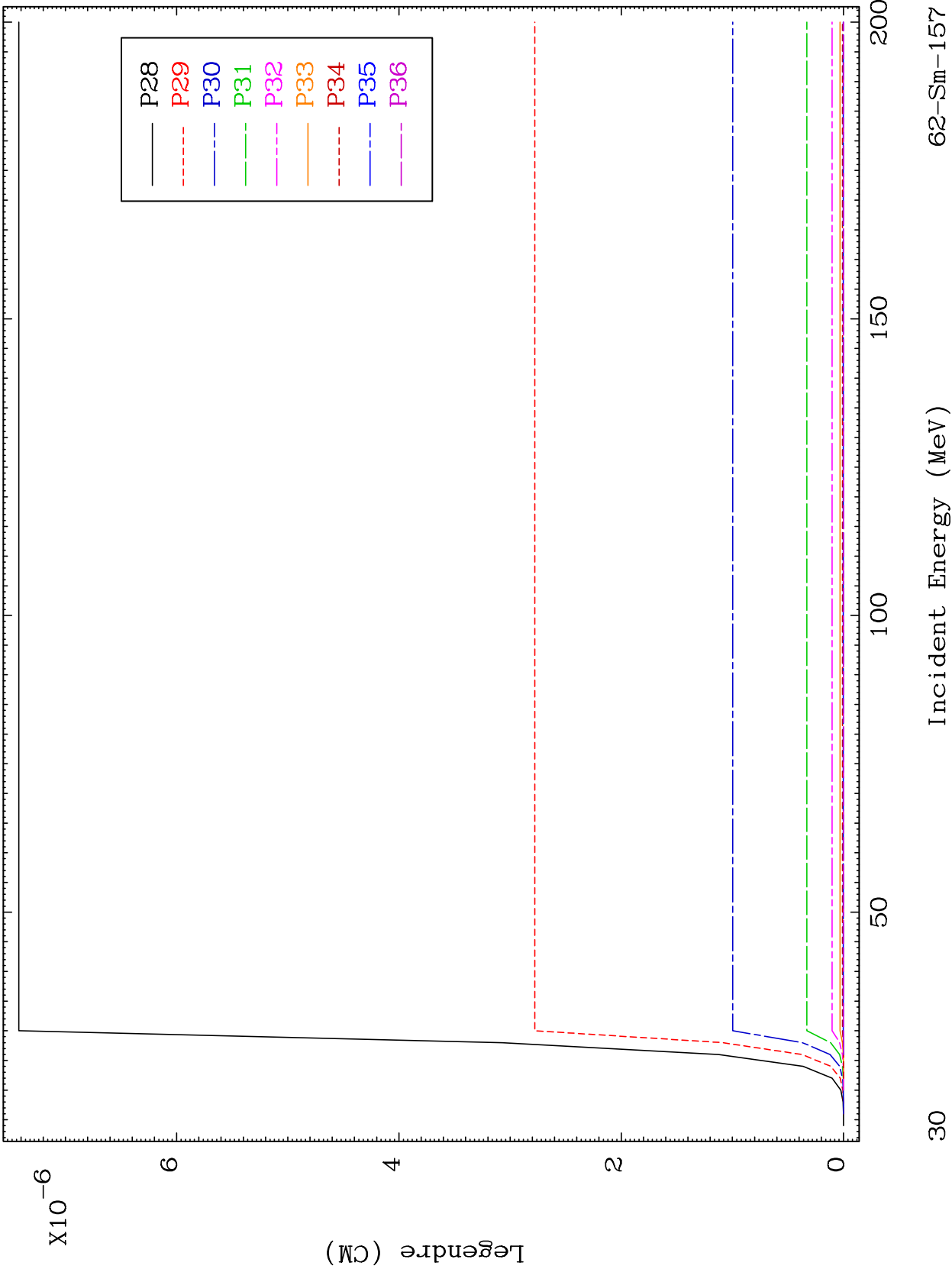
28



MAT 6264

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

62-Sm-157



62-Sm-157

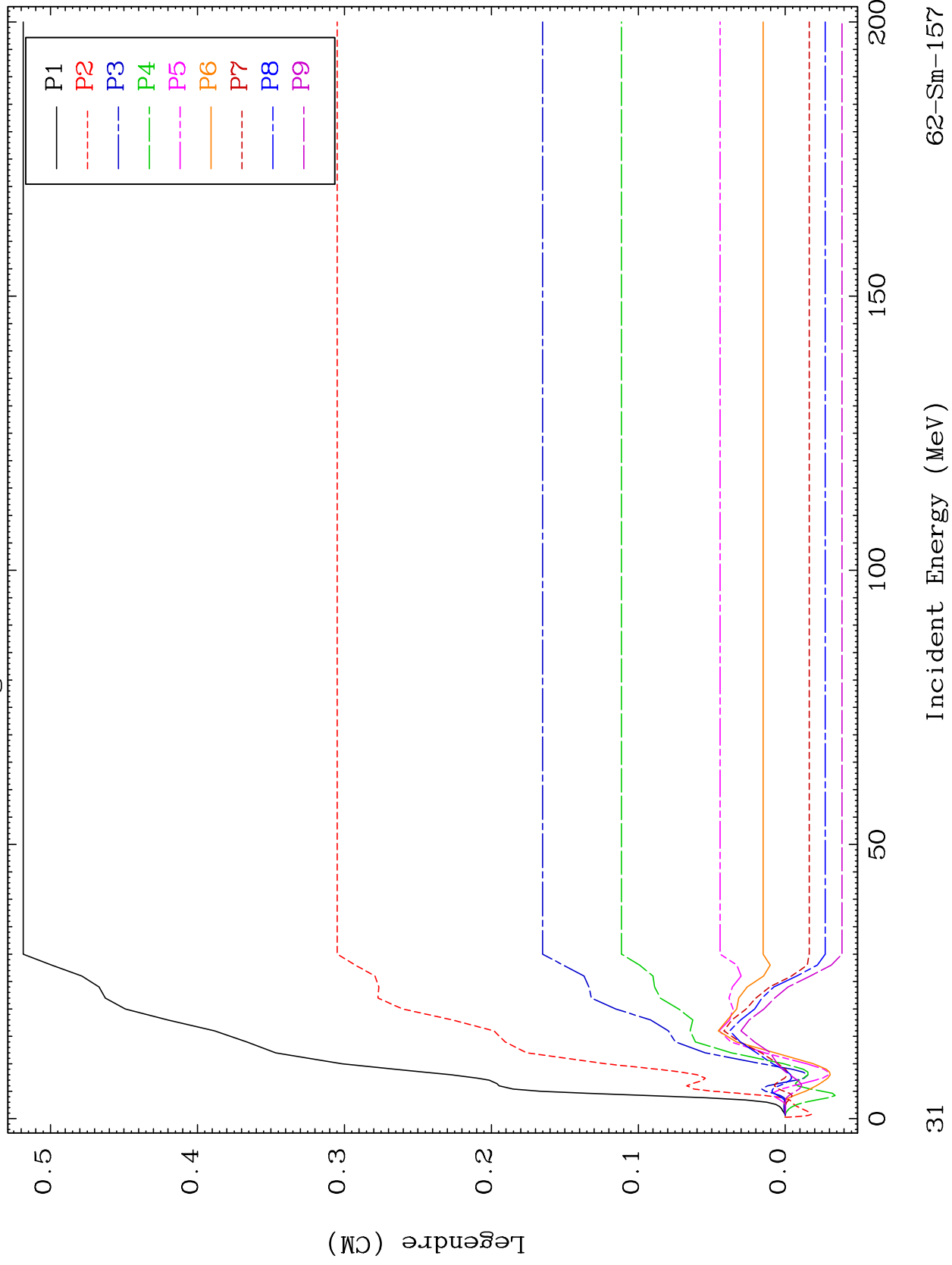
Incident Energy (MeV)

30

MAT 6264

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

62-Sm-157



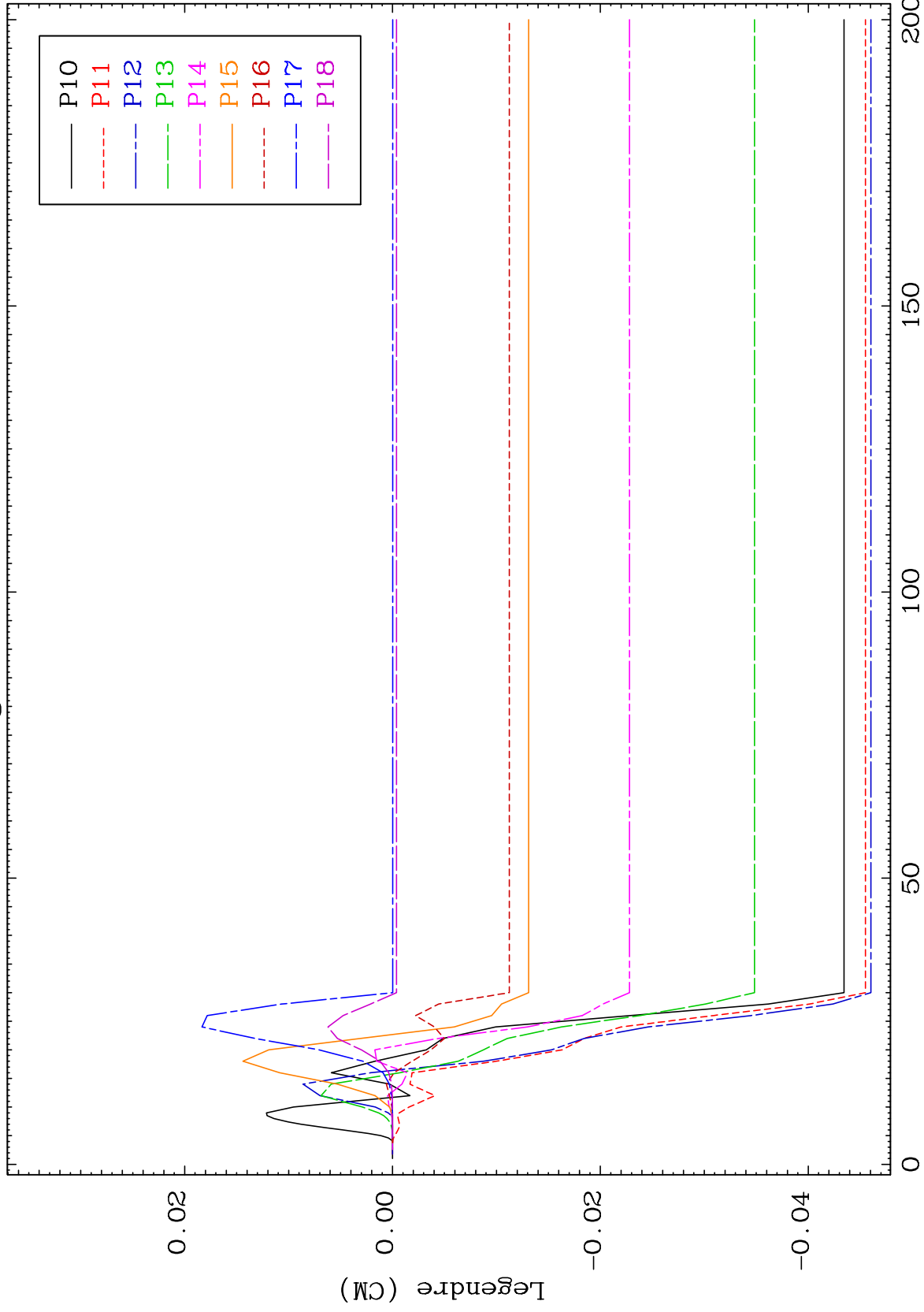
31

62-Sm-157

MAT 6264

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

62-Sm-157



32

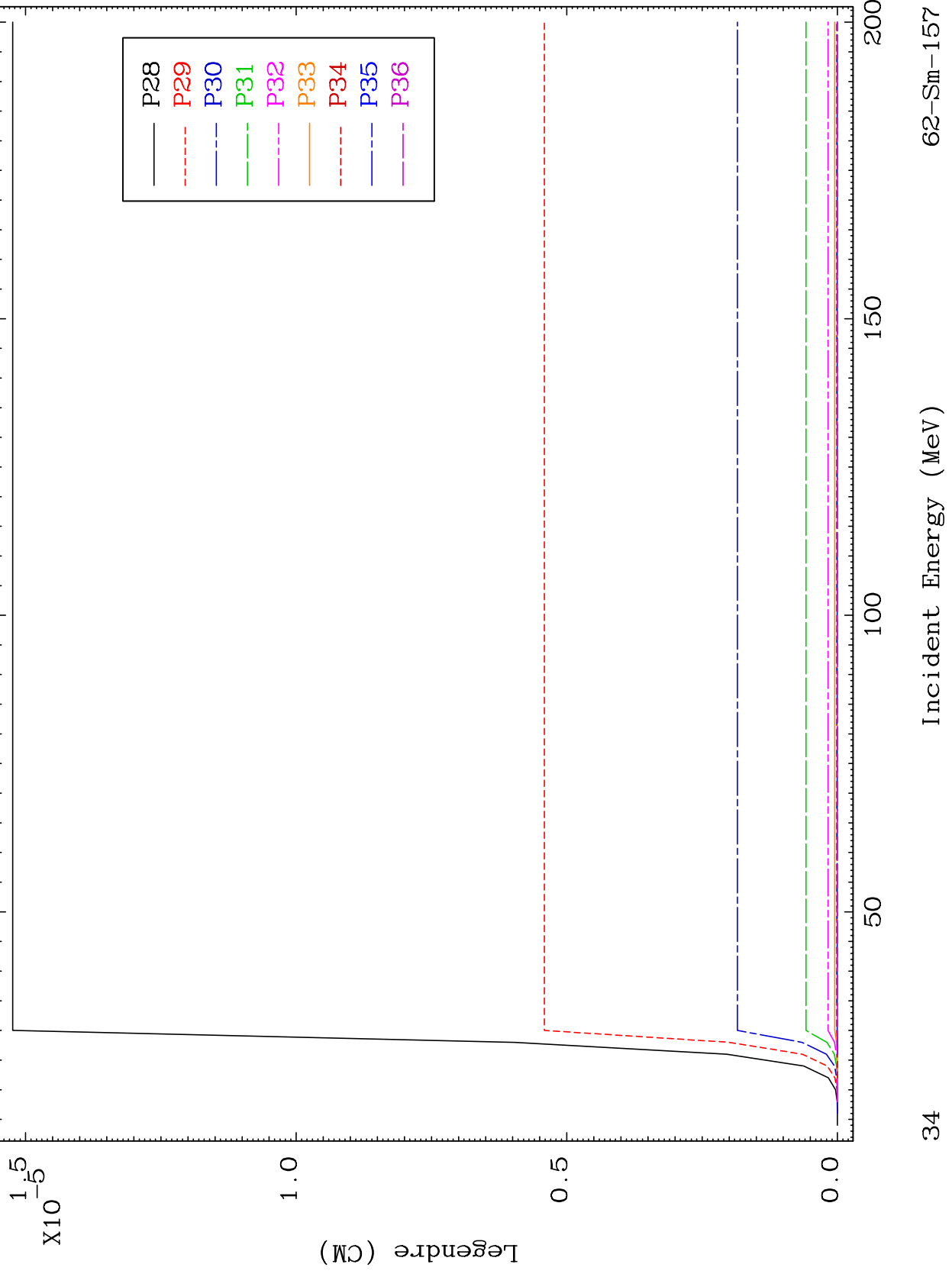
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



34

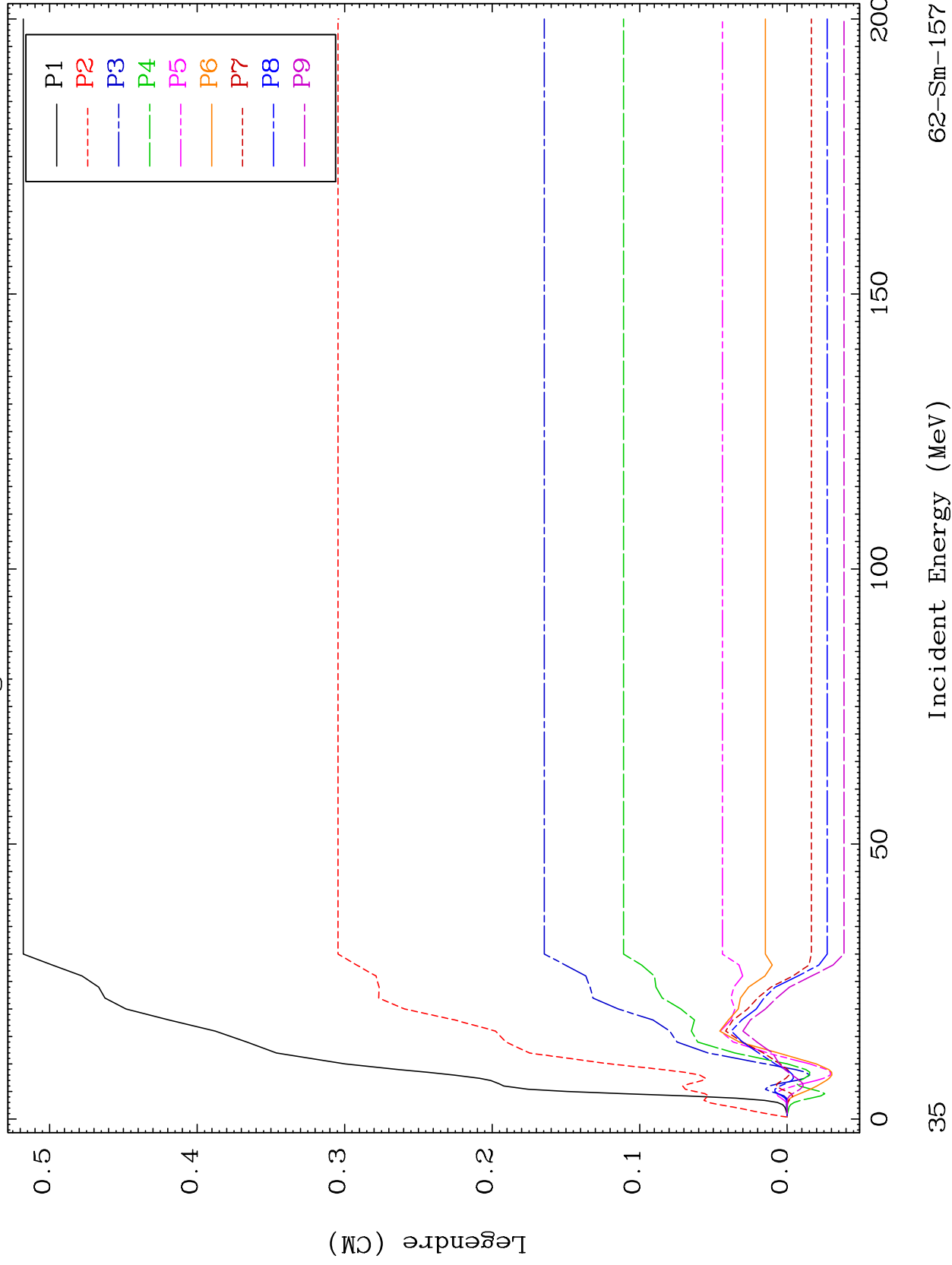
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



62-Sm-157

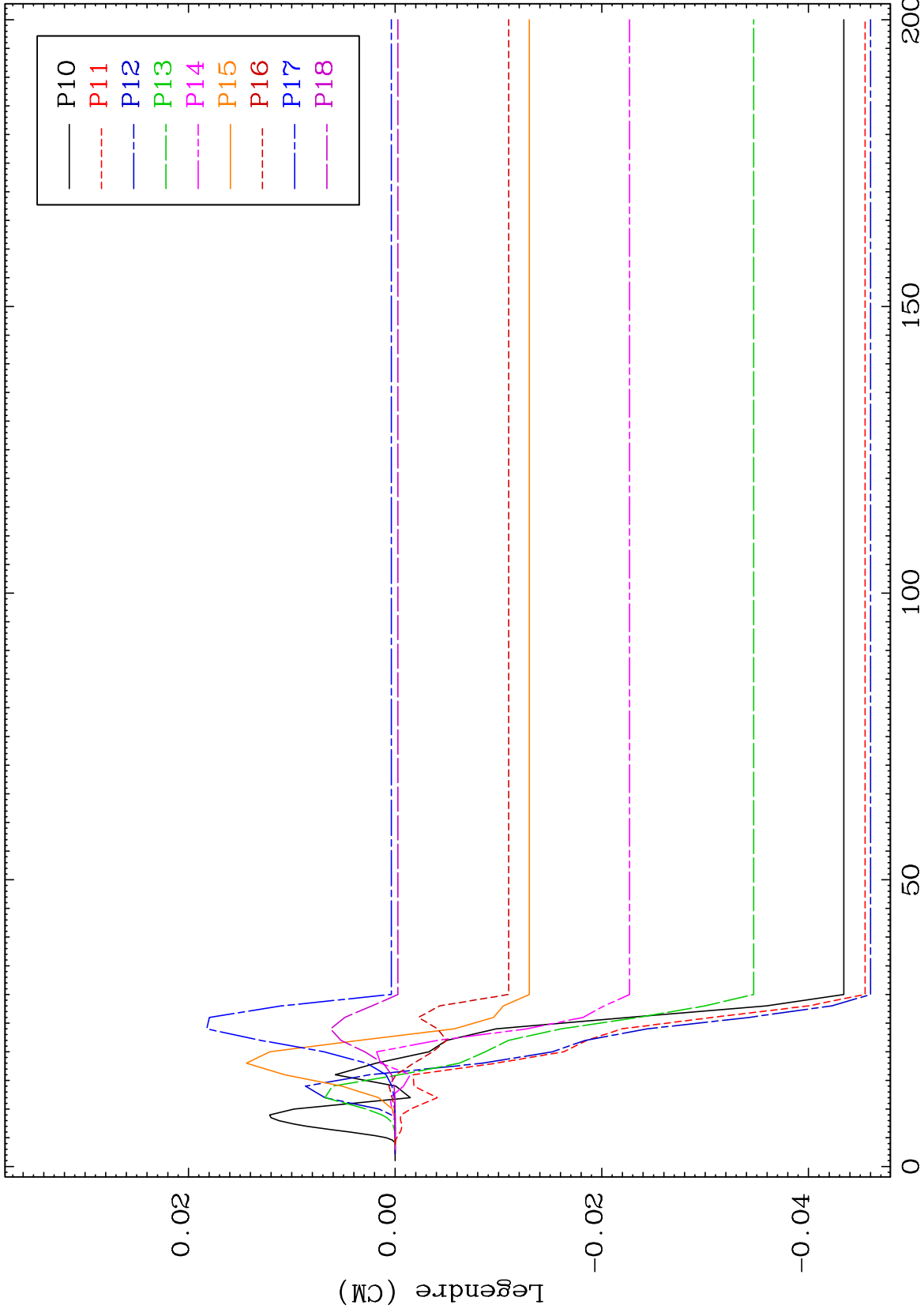
Incident Energy (MeV)

35

MAT 6264

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

62-Sm-157



36

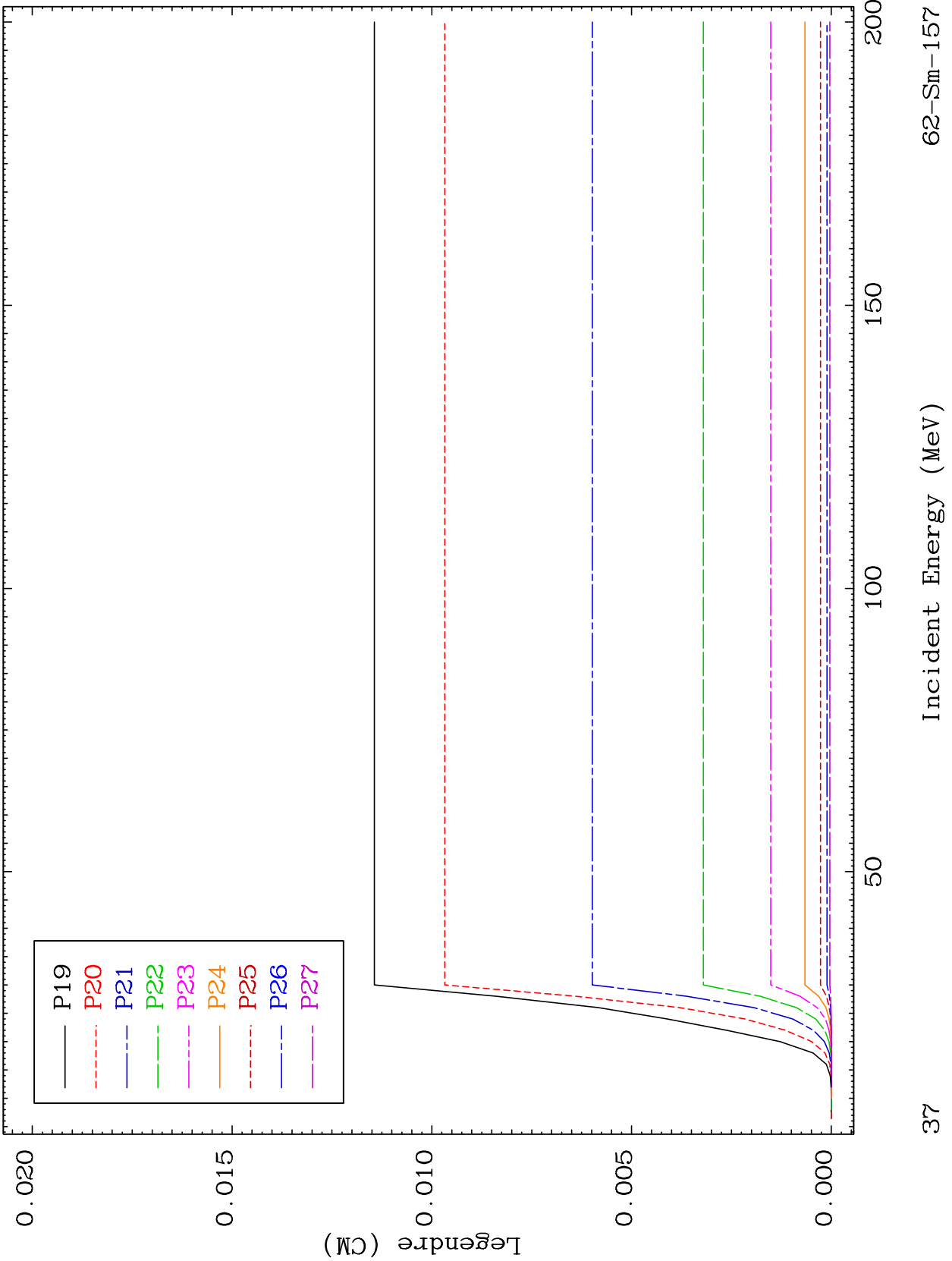
Incident Energy (MeV)

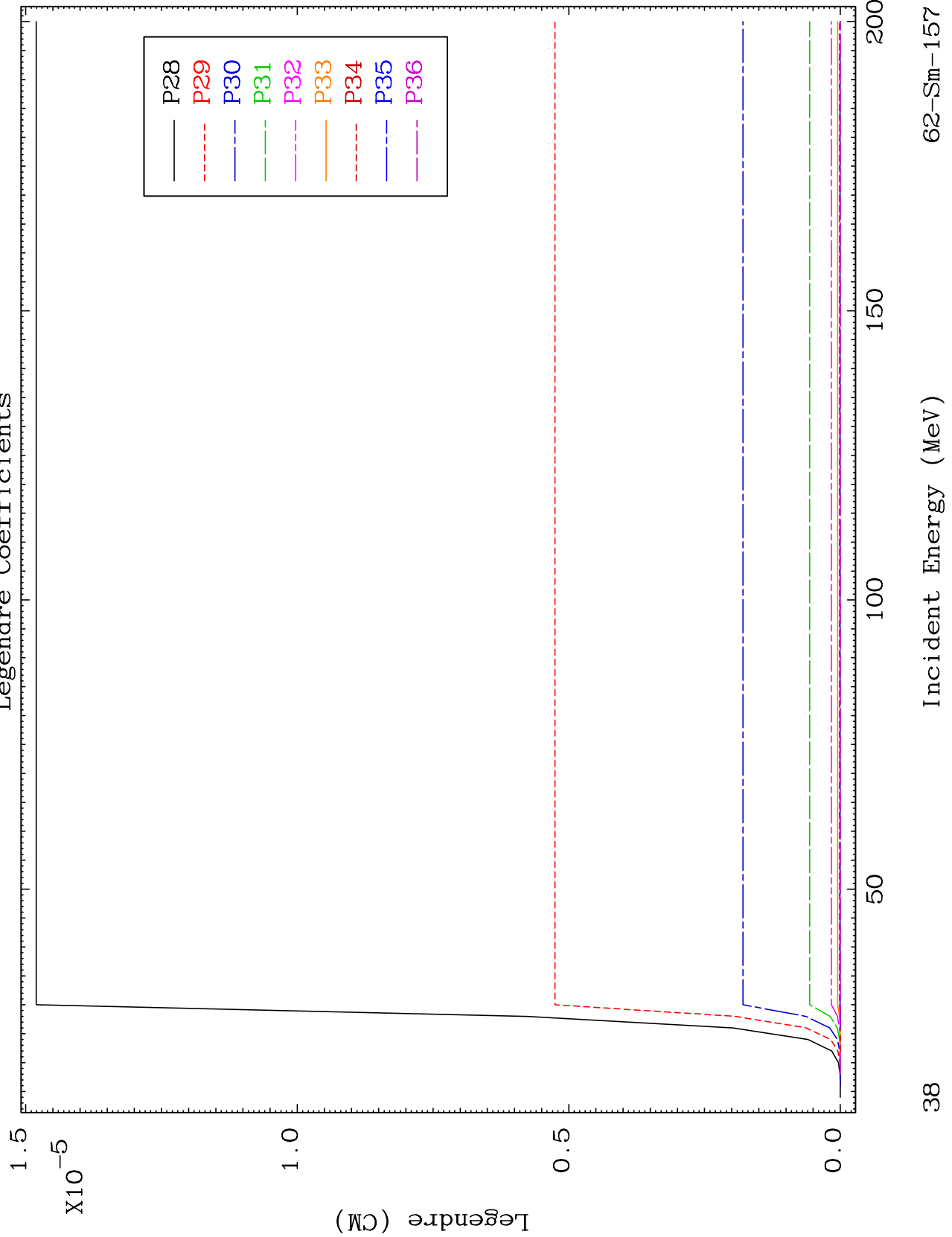
62-Sm-157

MAT 6264

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

62-Sm-157

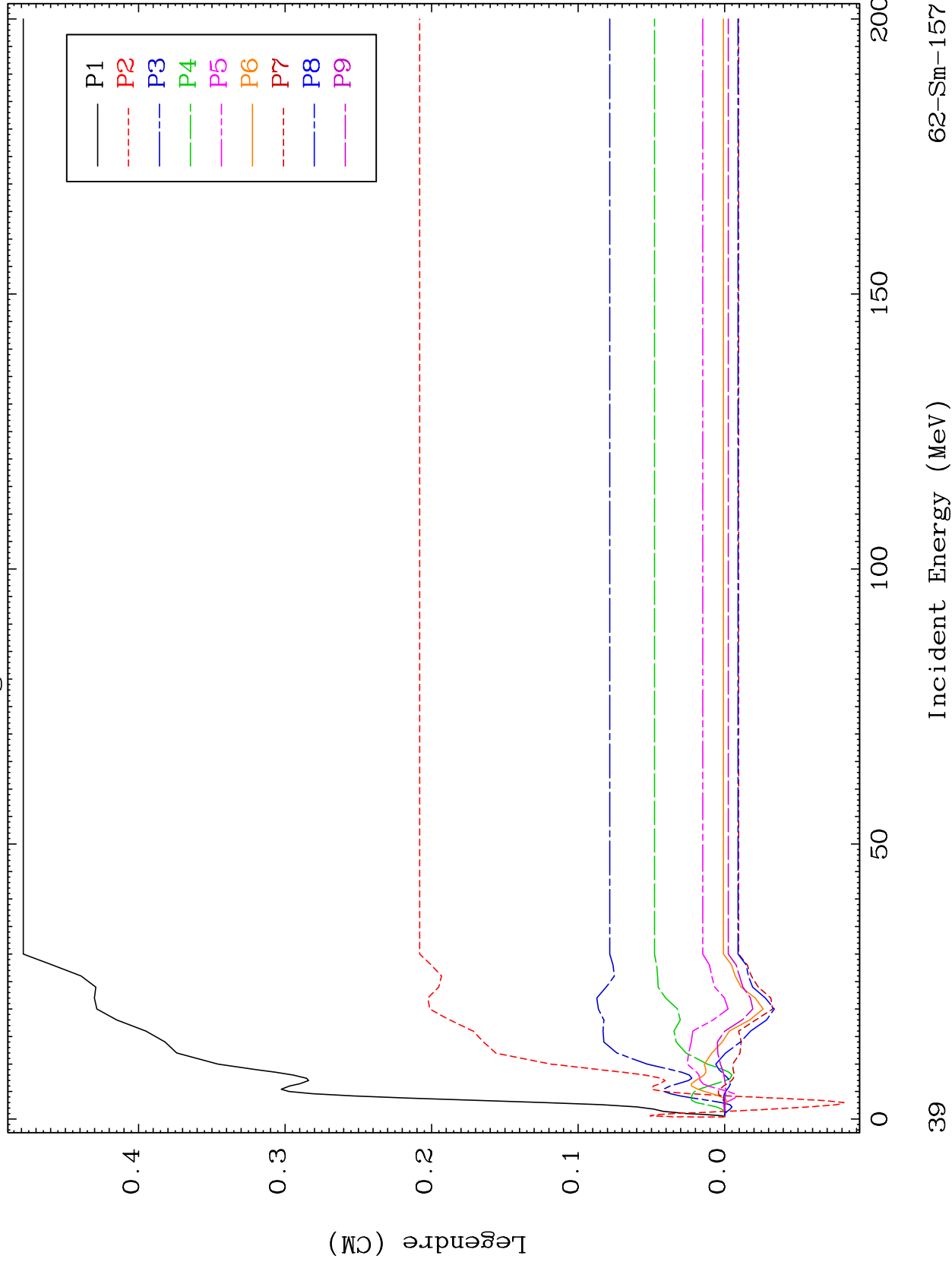




MAT 6264

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

62-Sm-157



62-Sm-157

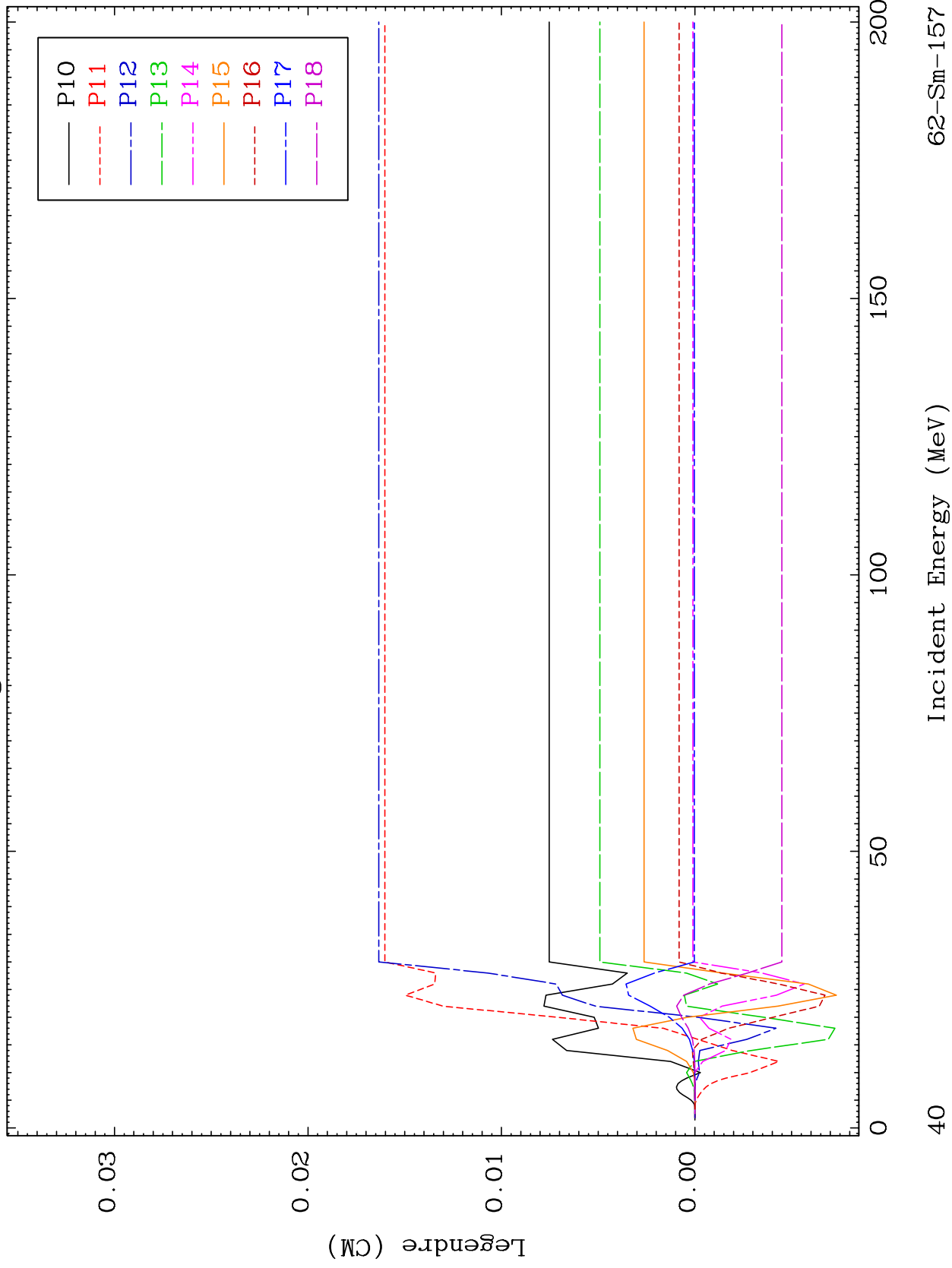
Incident Energy (MeV)

39

MAT 6264

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

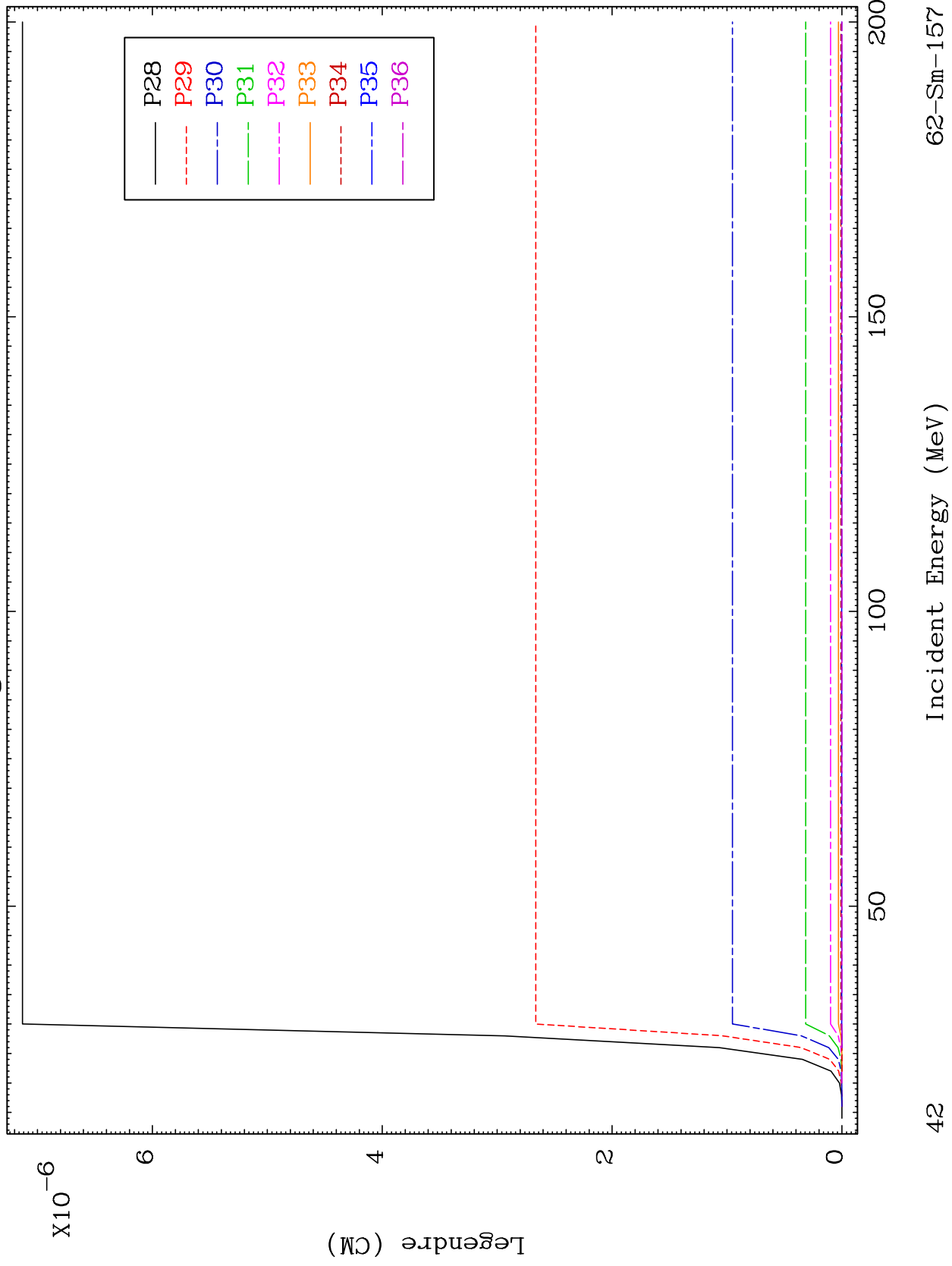
62-Sm-157



MAT 6264

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

62-Sm-157



42

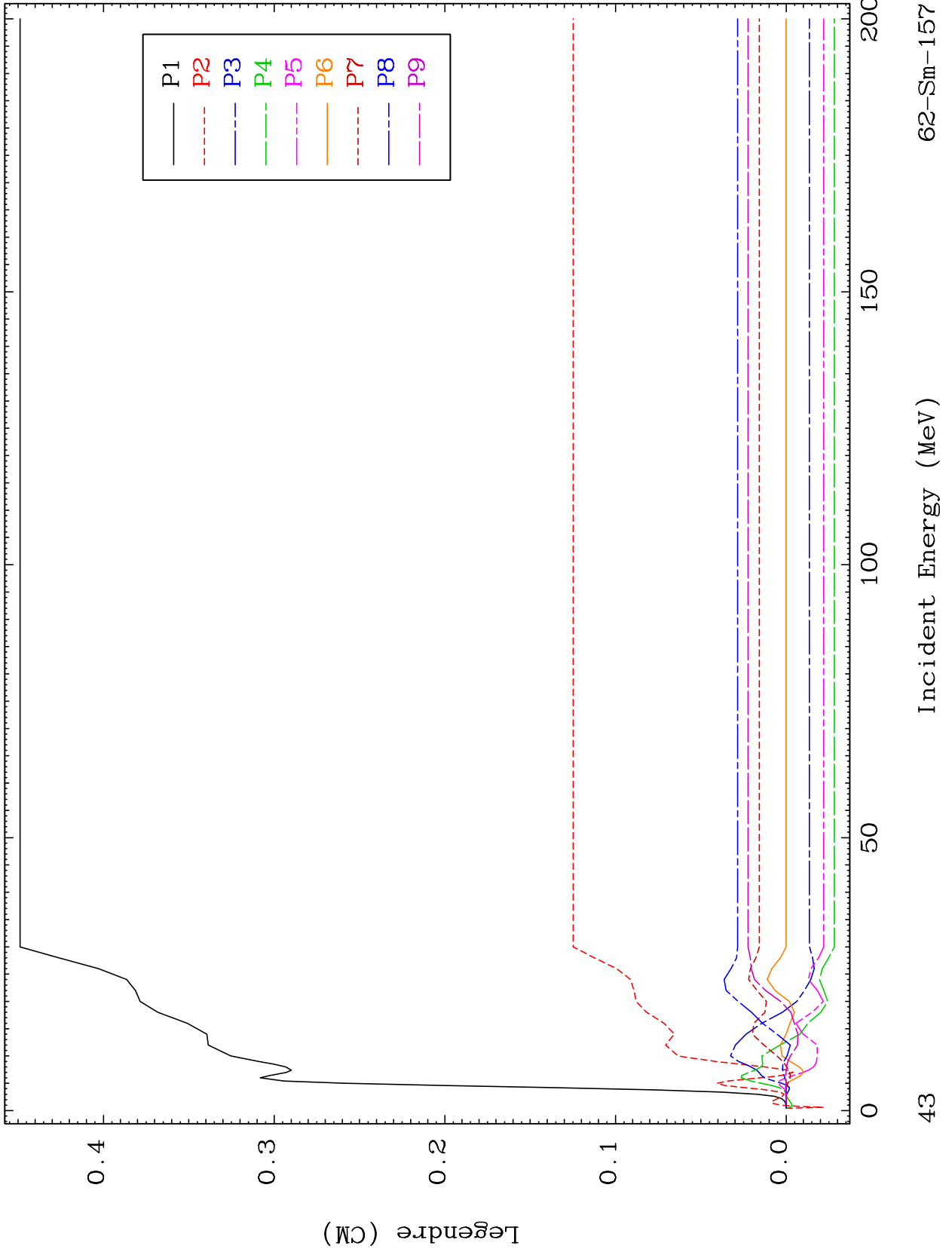
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



62-Sm-157

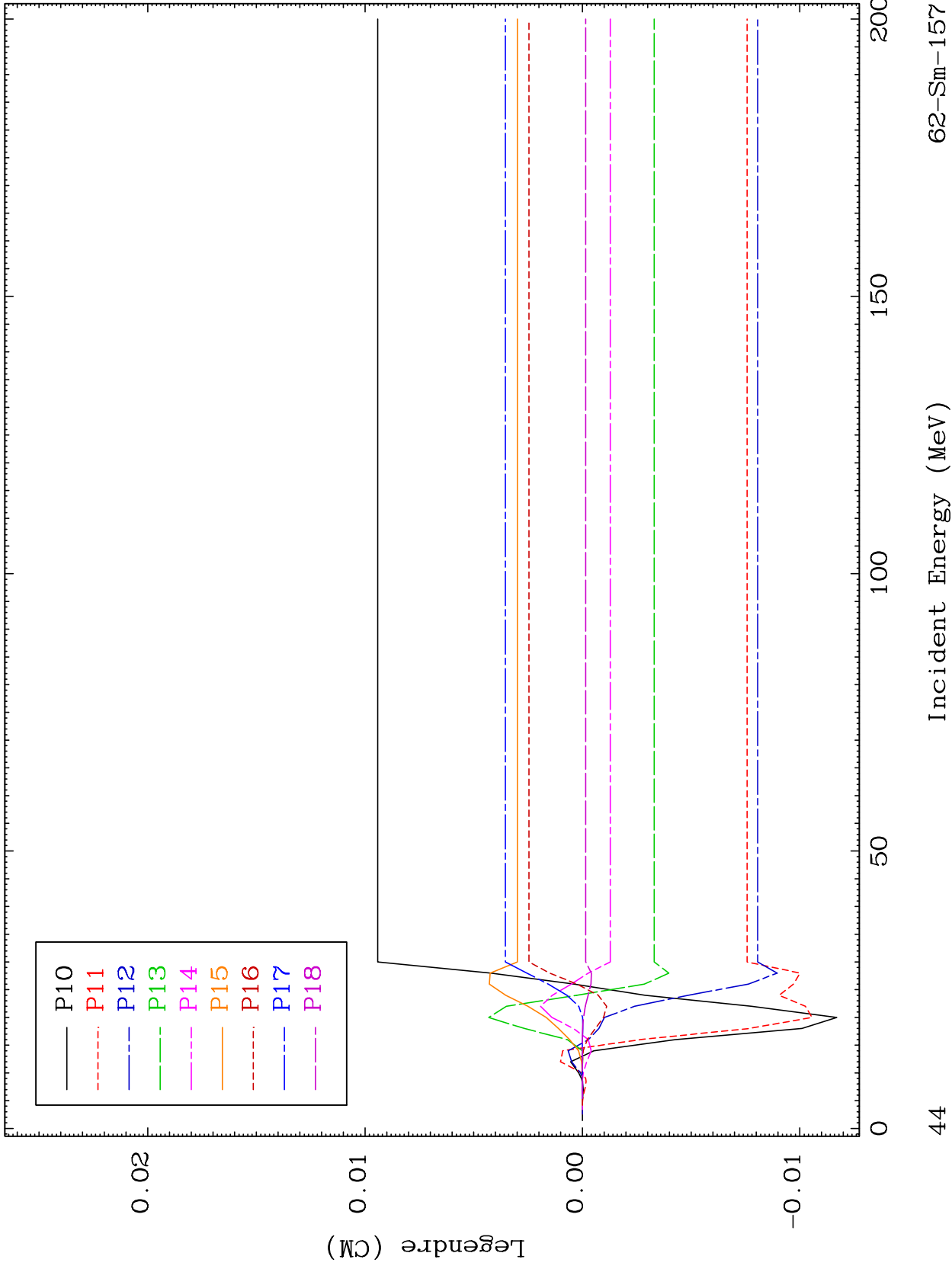
Incident Energy (MeV)

43

MAT 6264

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

62-Sm-157

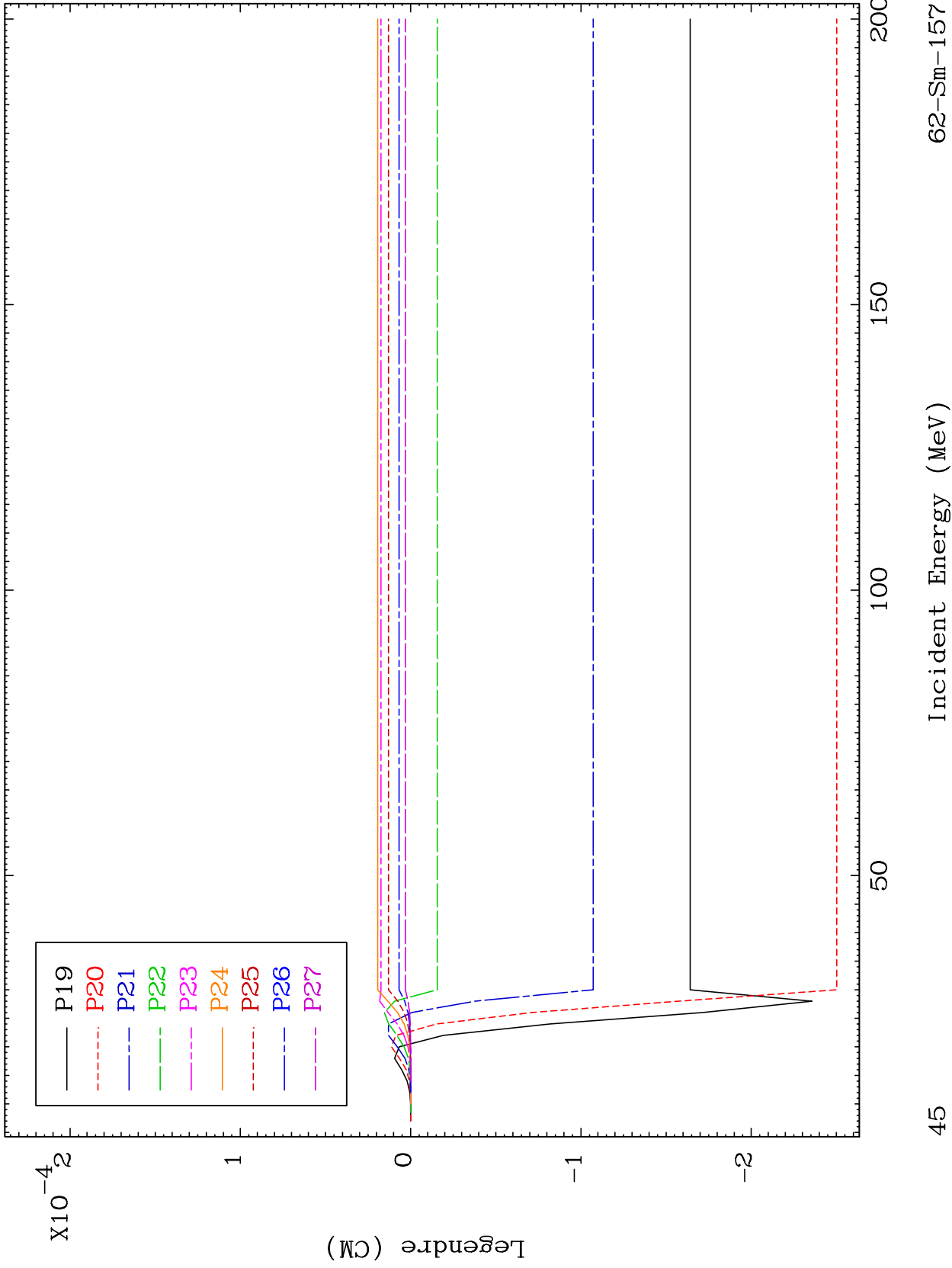


44

MAT 6264

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

62-Sm-157



45

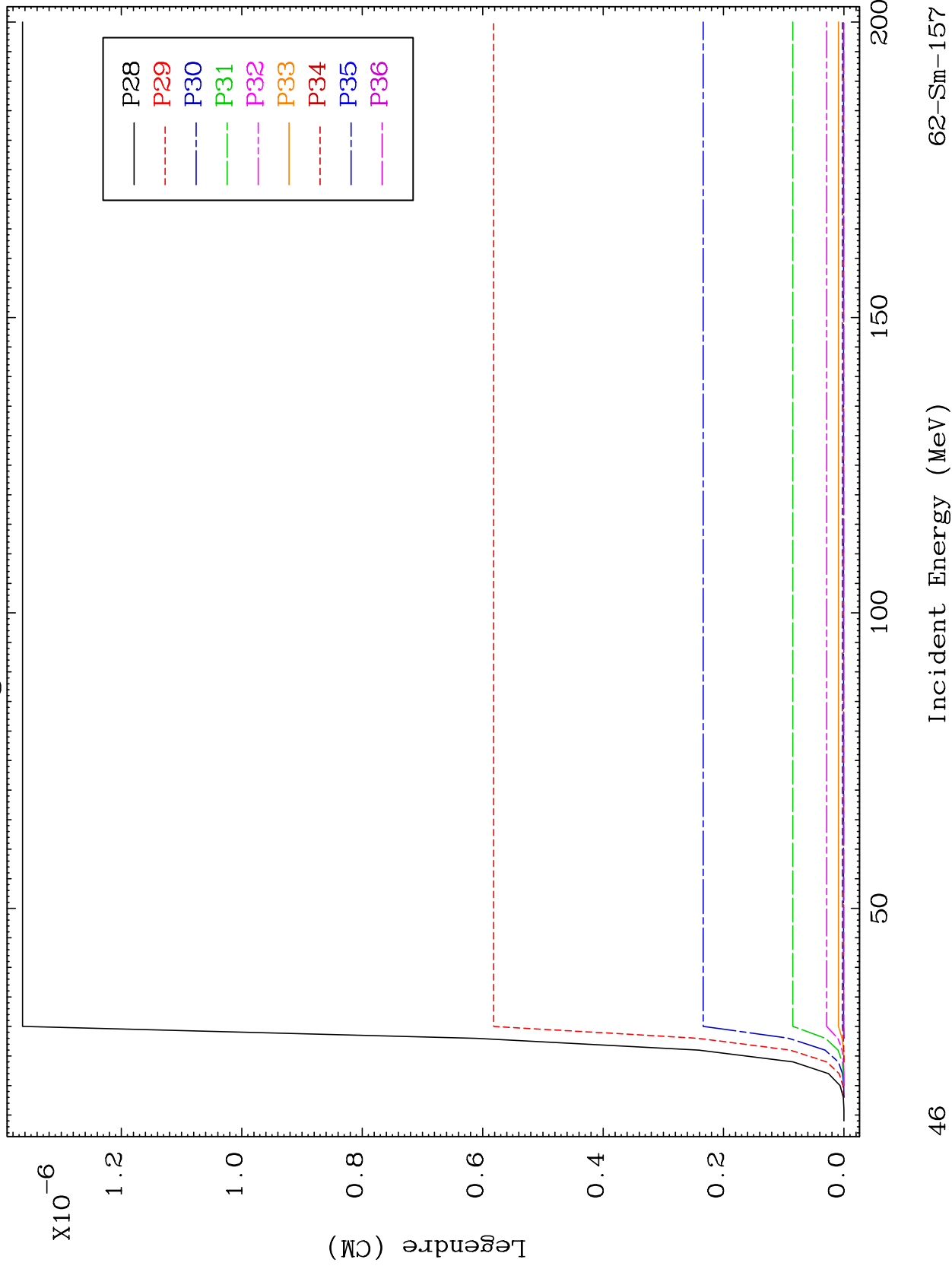
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



46

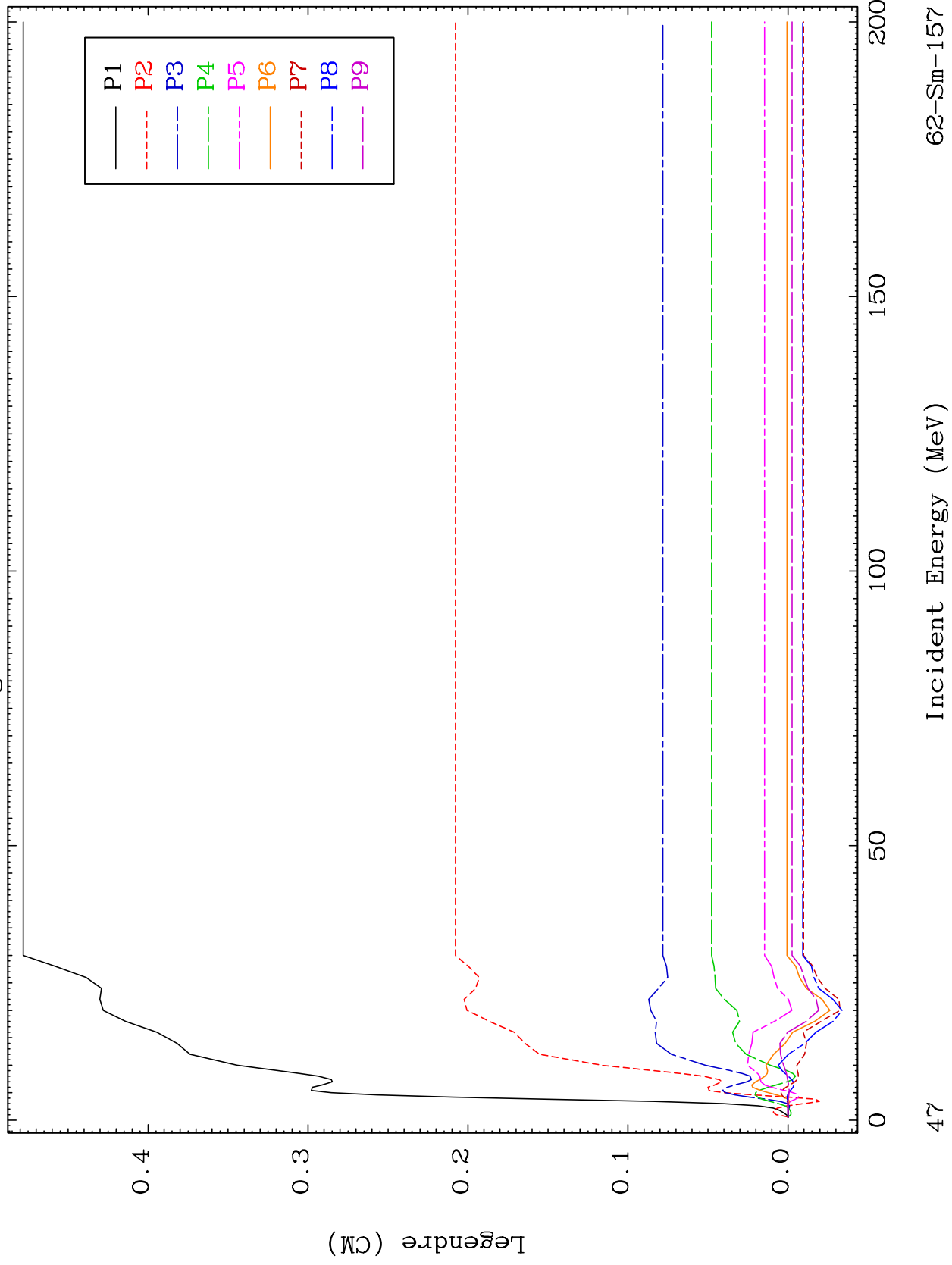
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



47

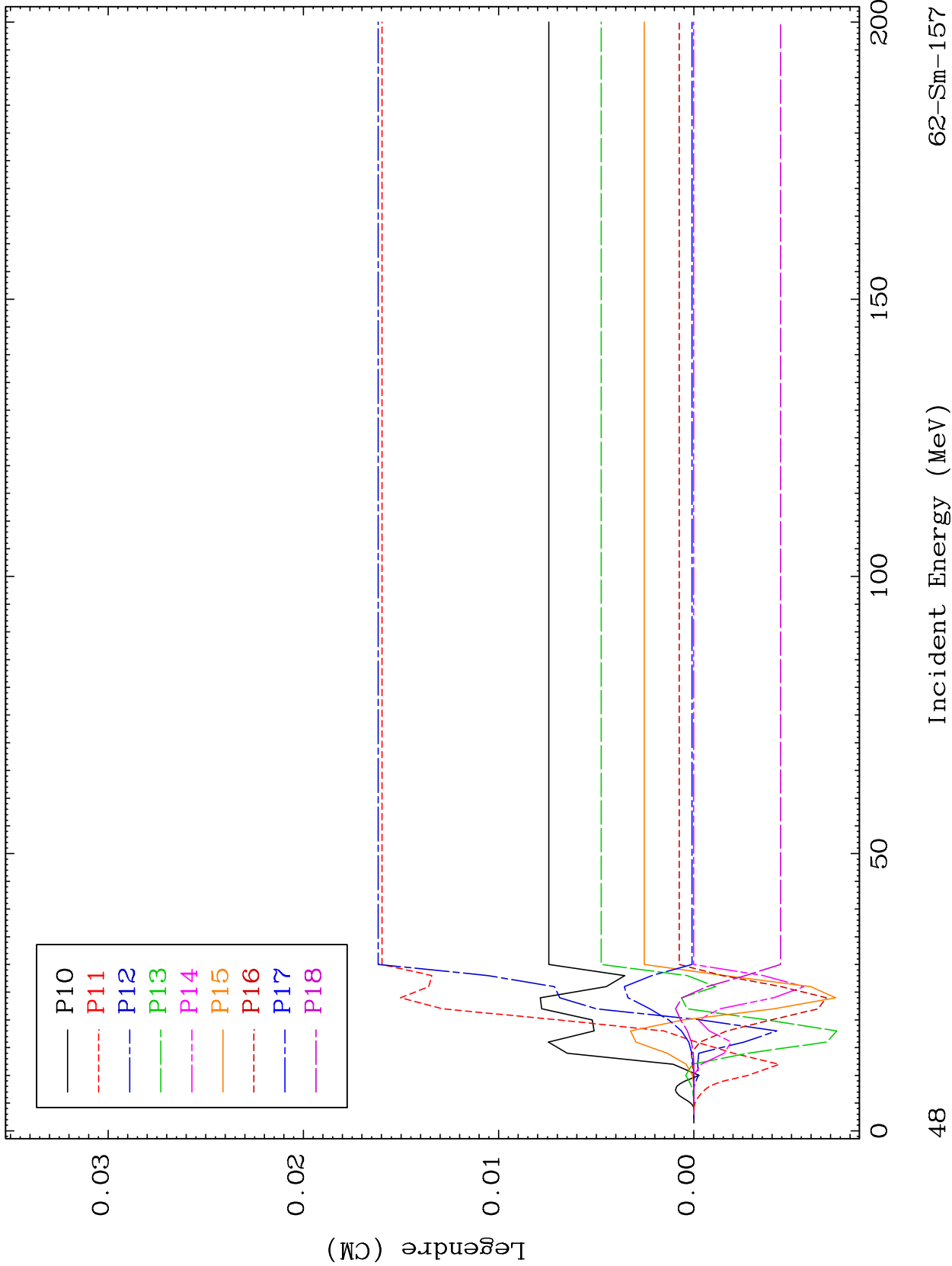
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

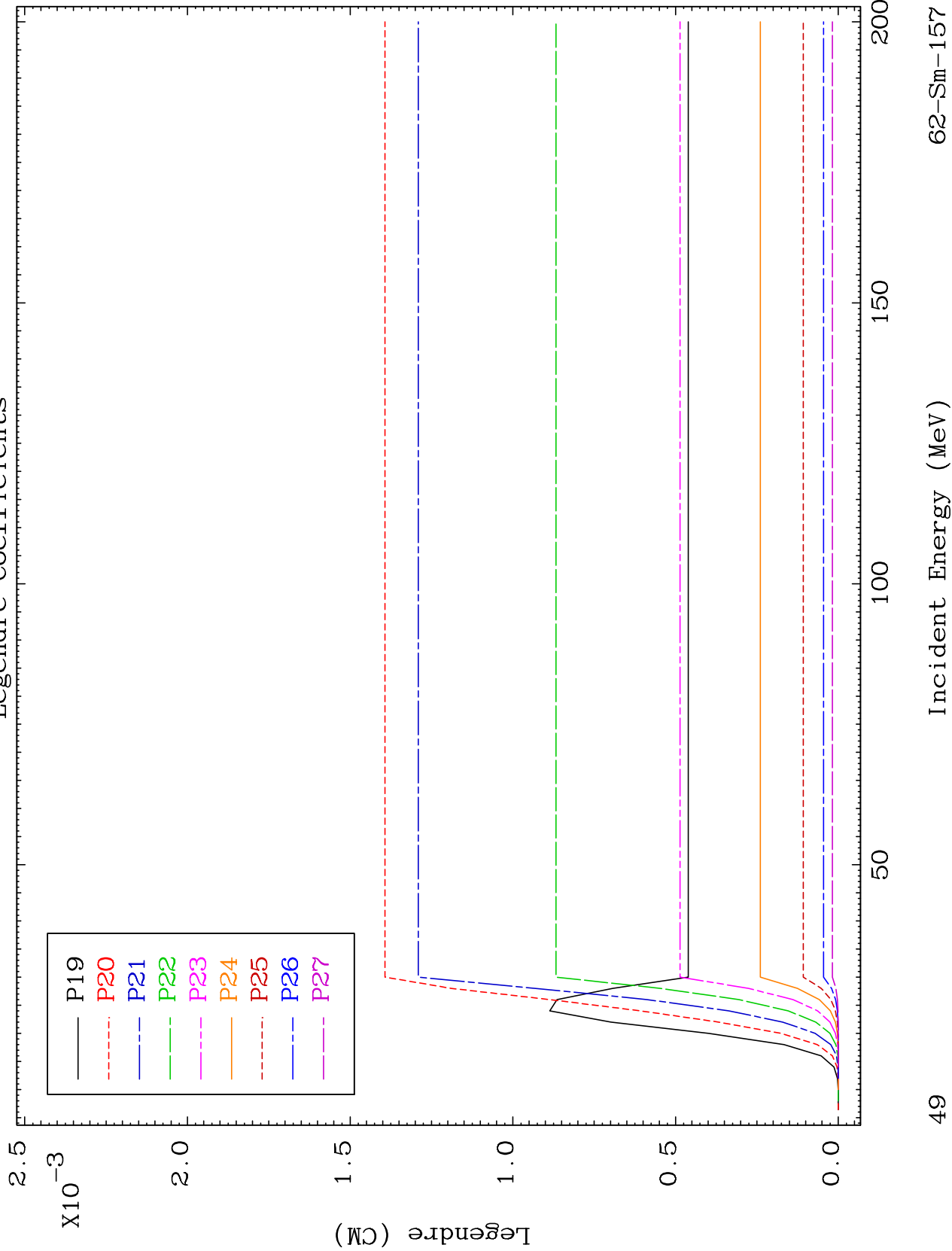
62-Sm-157



62-Sm-157

Incident Energy (MeV)

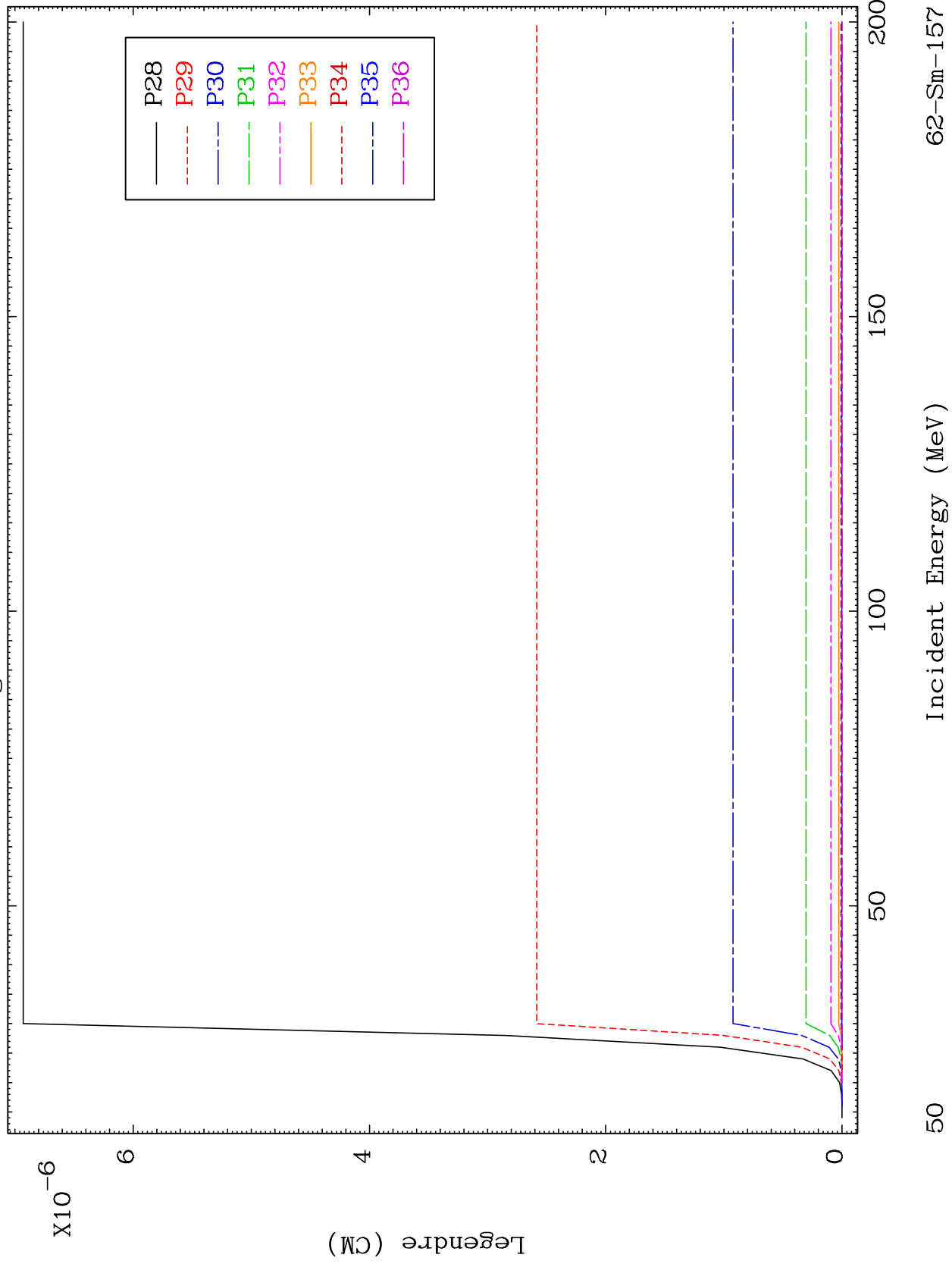
48



MAT 6264

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

62-Sm-157

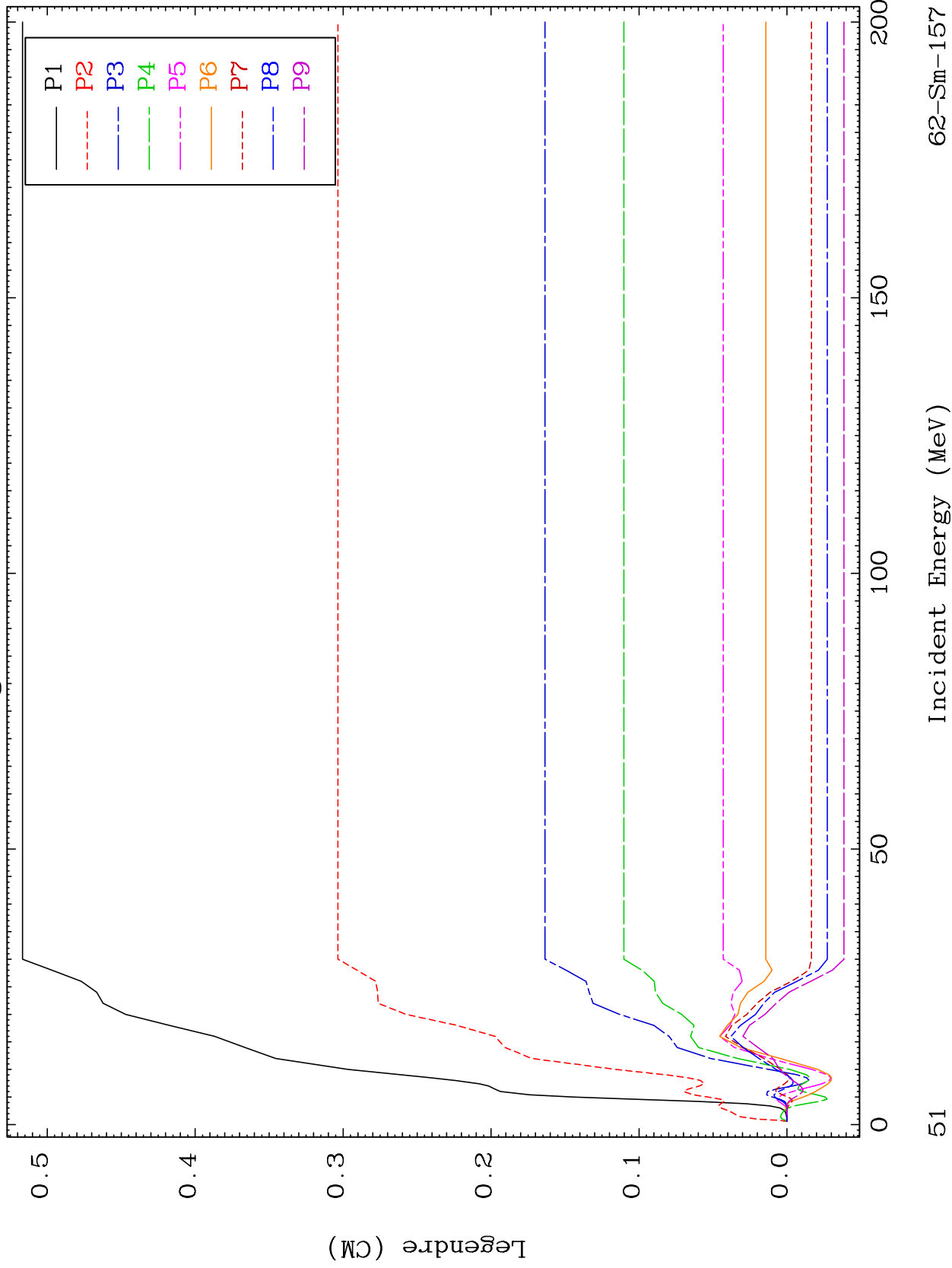


MAT 6264

MT= 59 (n,n') Level

62-Sm-157

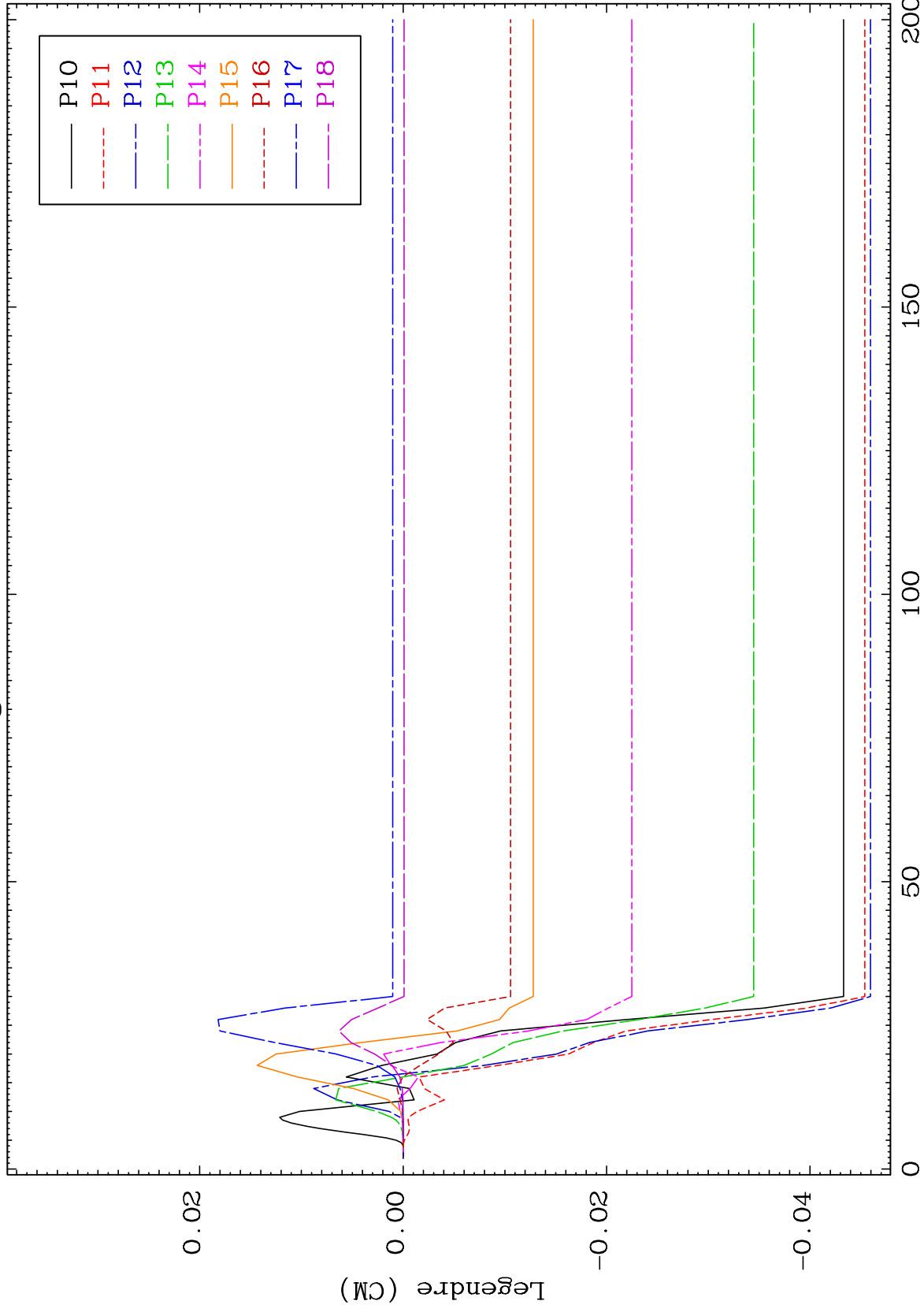
Legendre Coefficients



MAT 6264

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

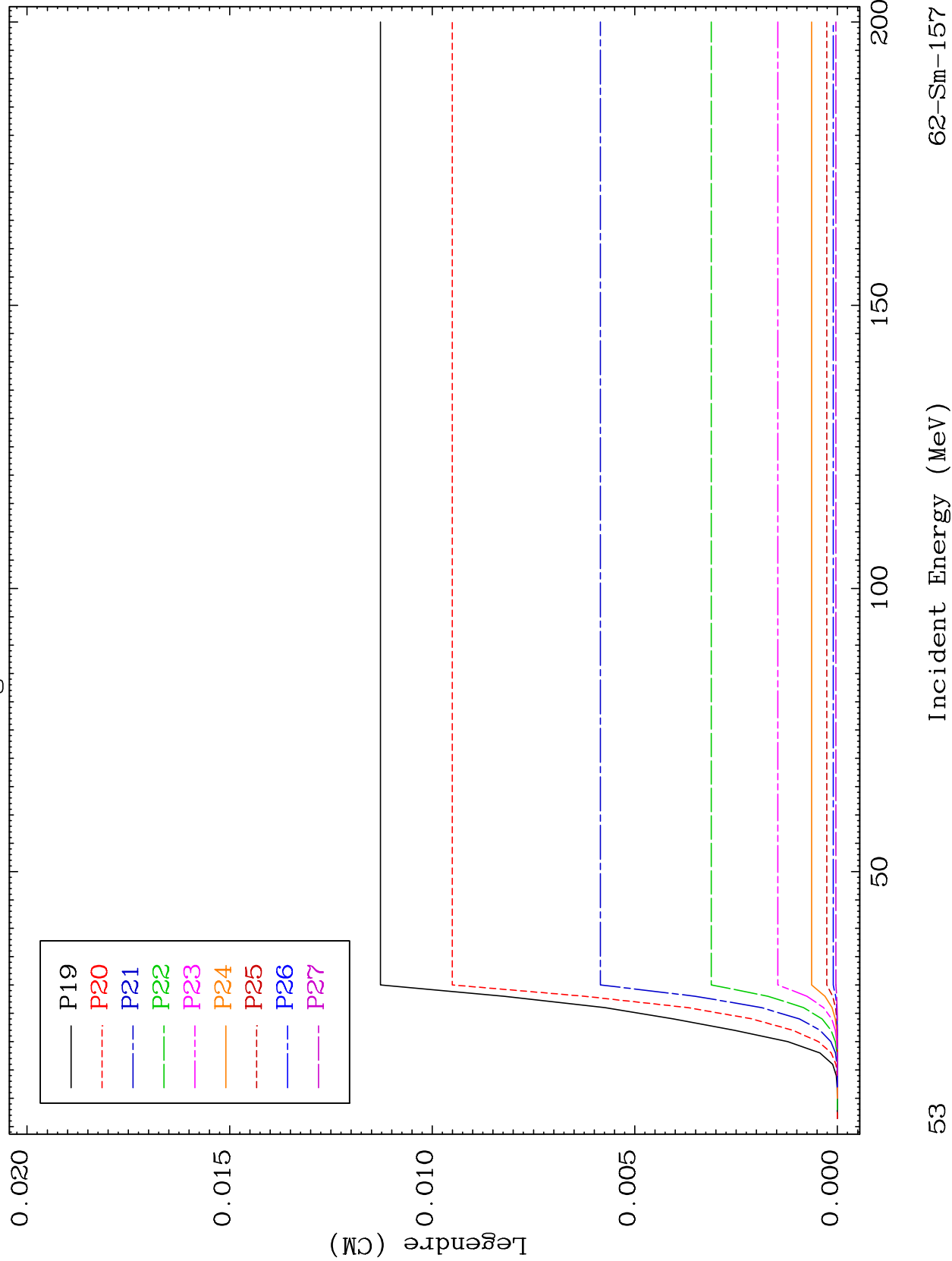
62-Sm-157



52

Incident Energy (MeV)

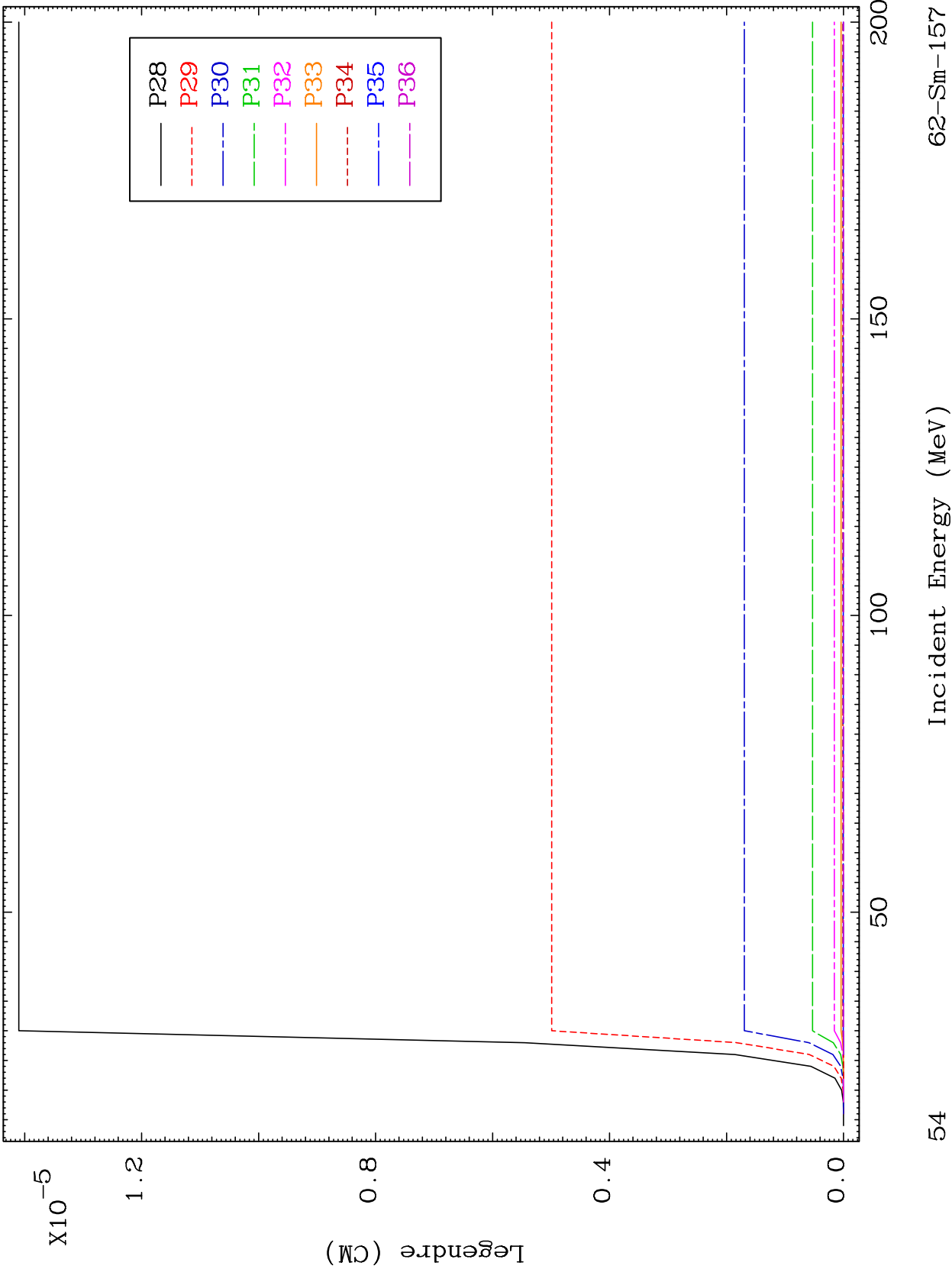
62-Sm-157



MAT 6264

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

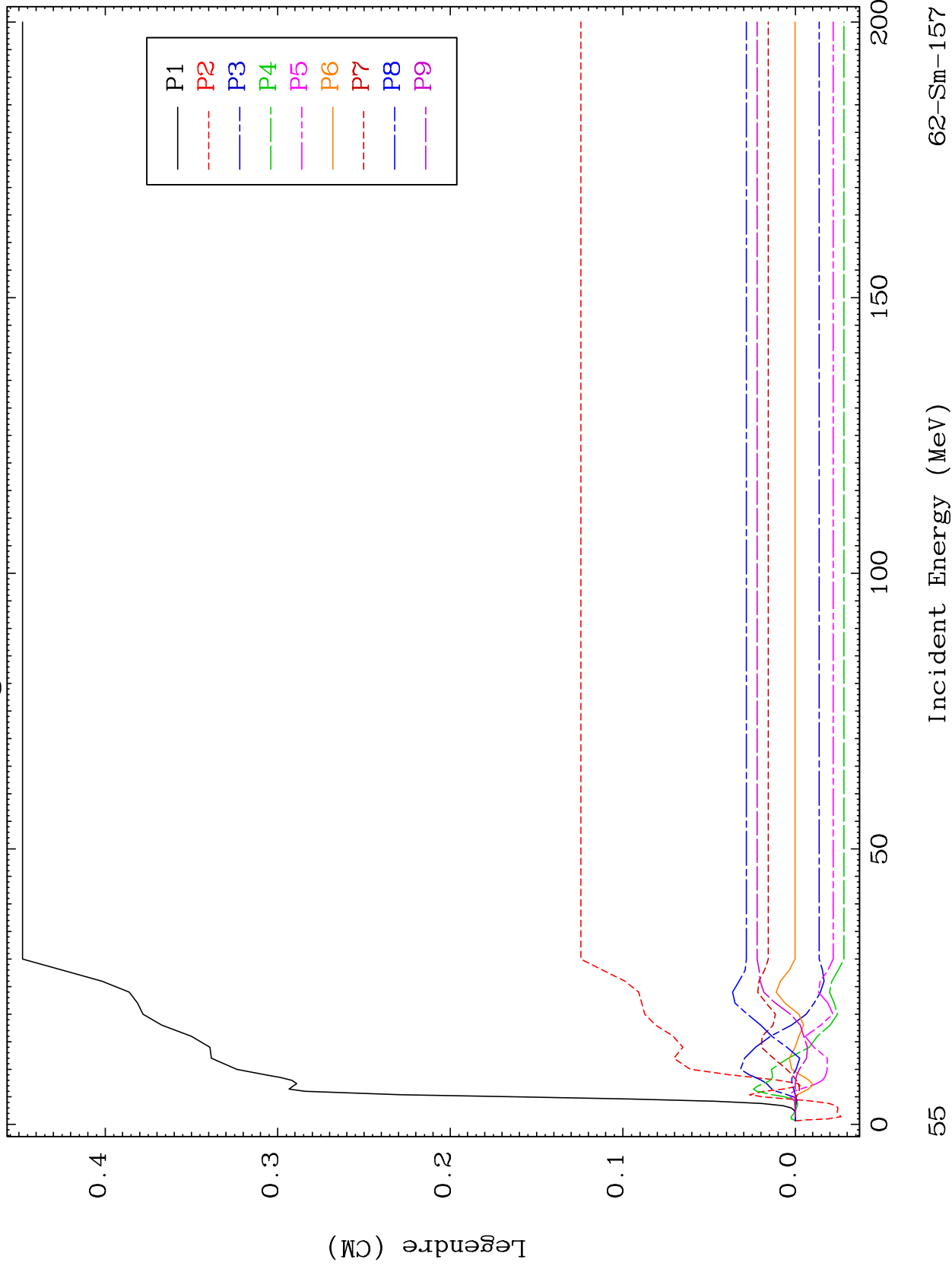
62-Sm-157



MAT 6264

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

62-Sm-157



62-Sm-157

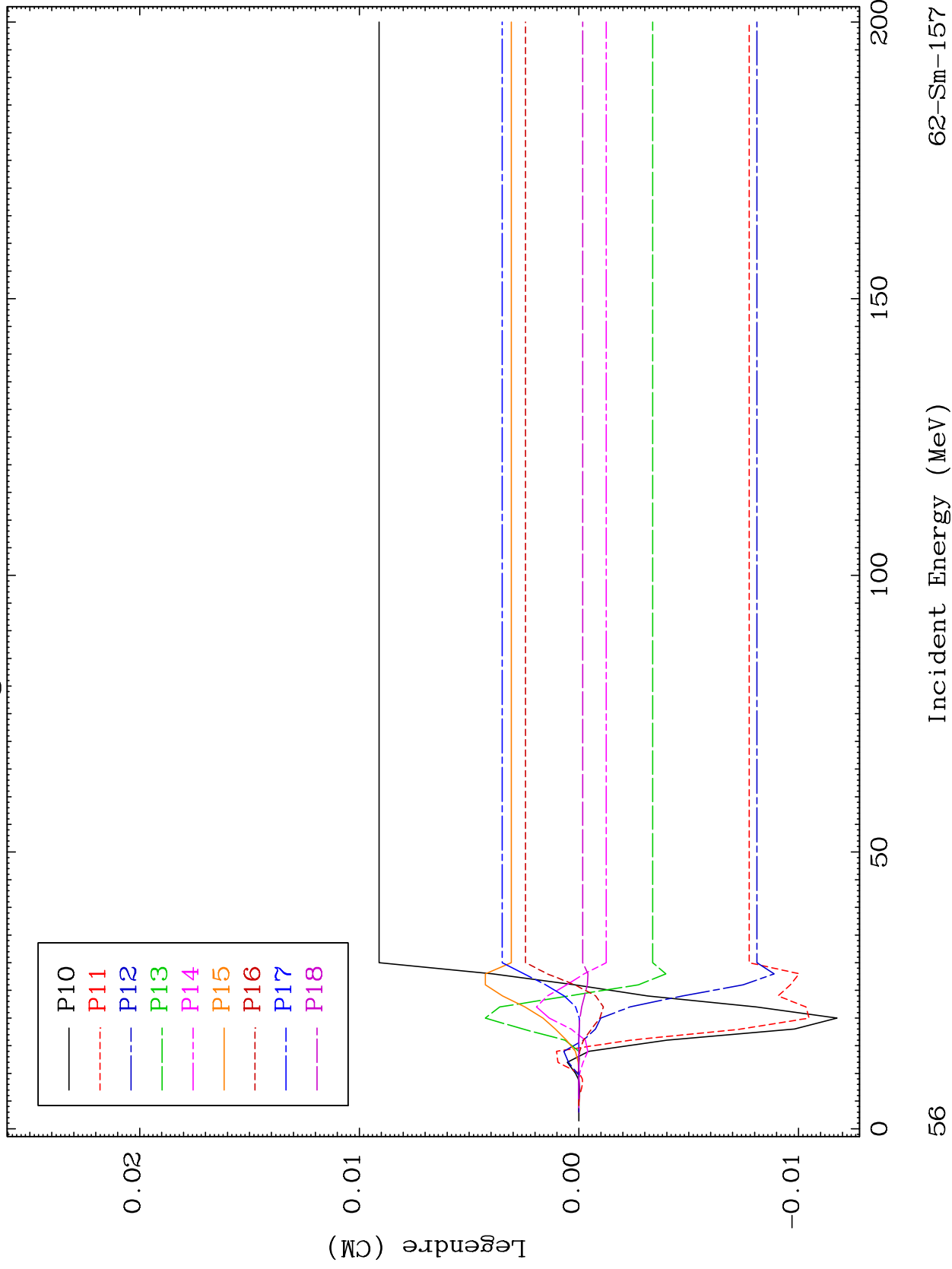
Incident Energy (MeV)

55

MAT 6264

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

62-Sm-157



56

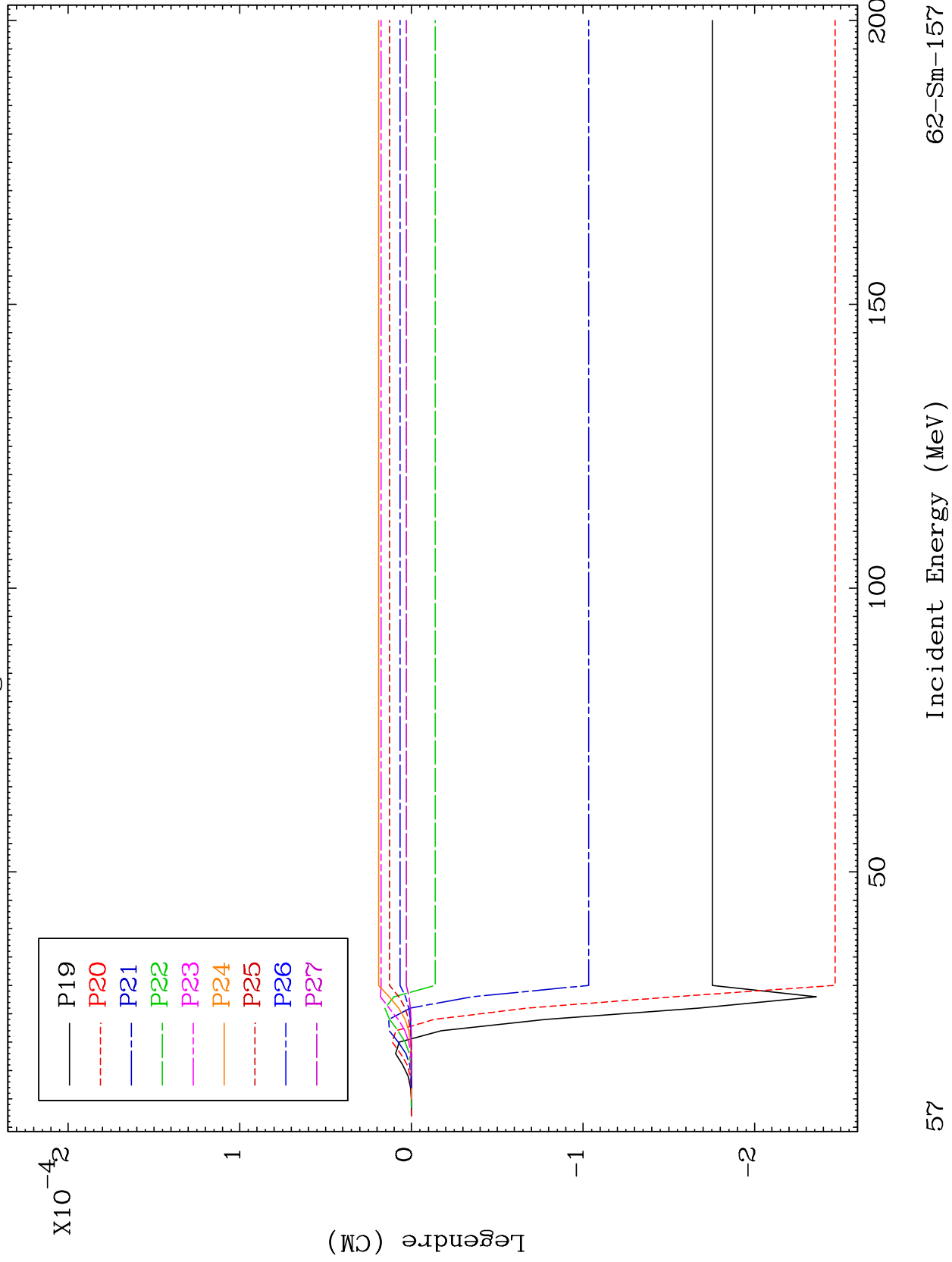
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

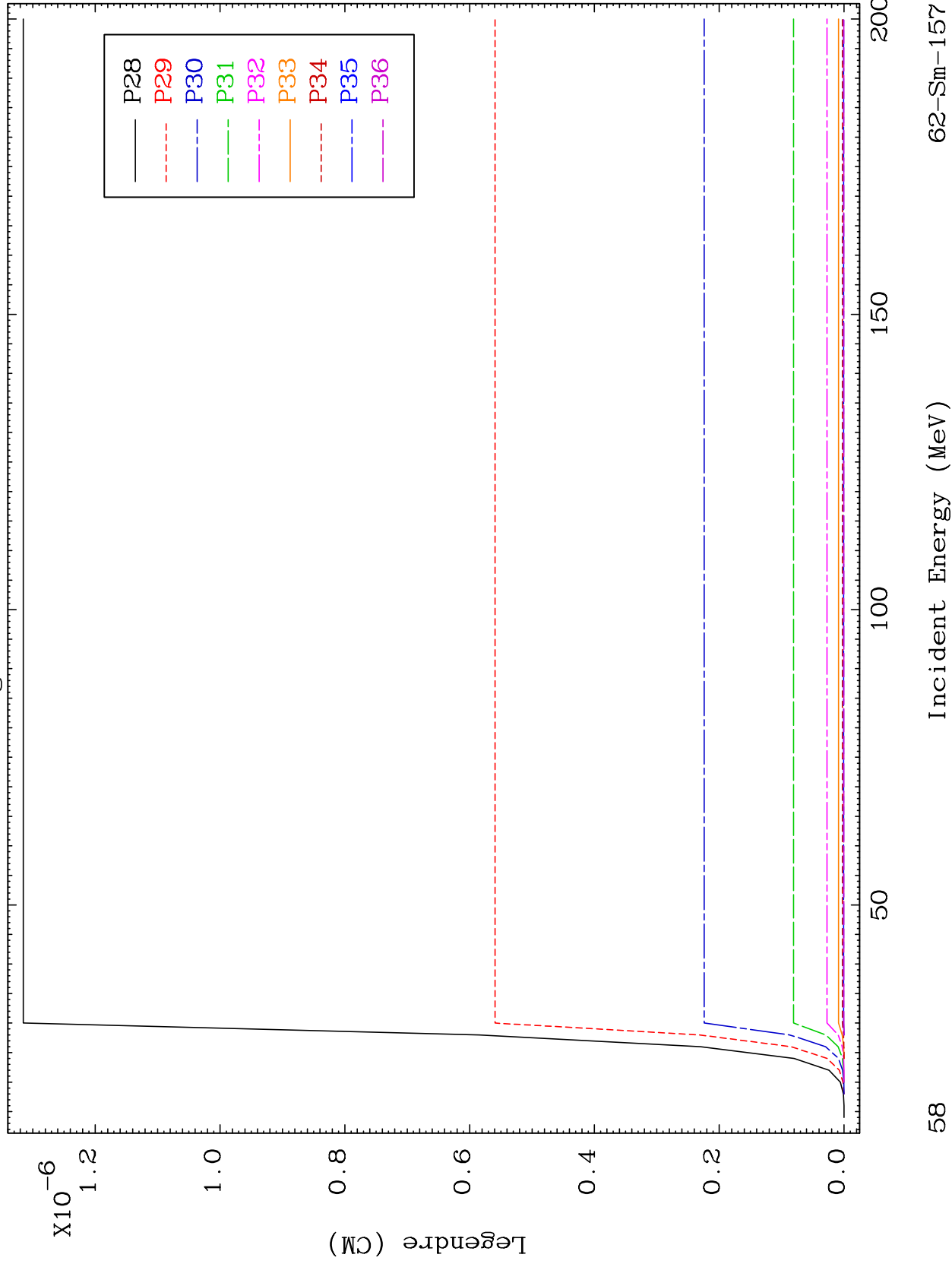
62-Sm-157



MAT 6264

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

62-Sm-157



58

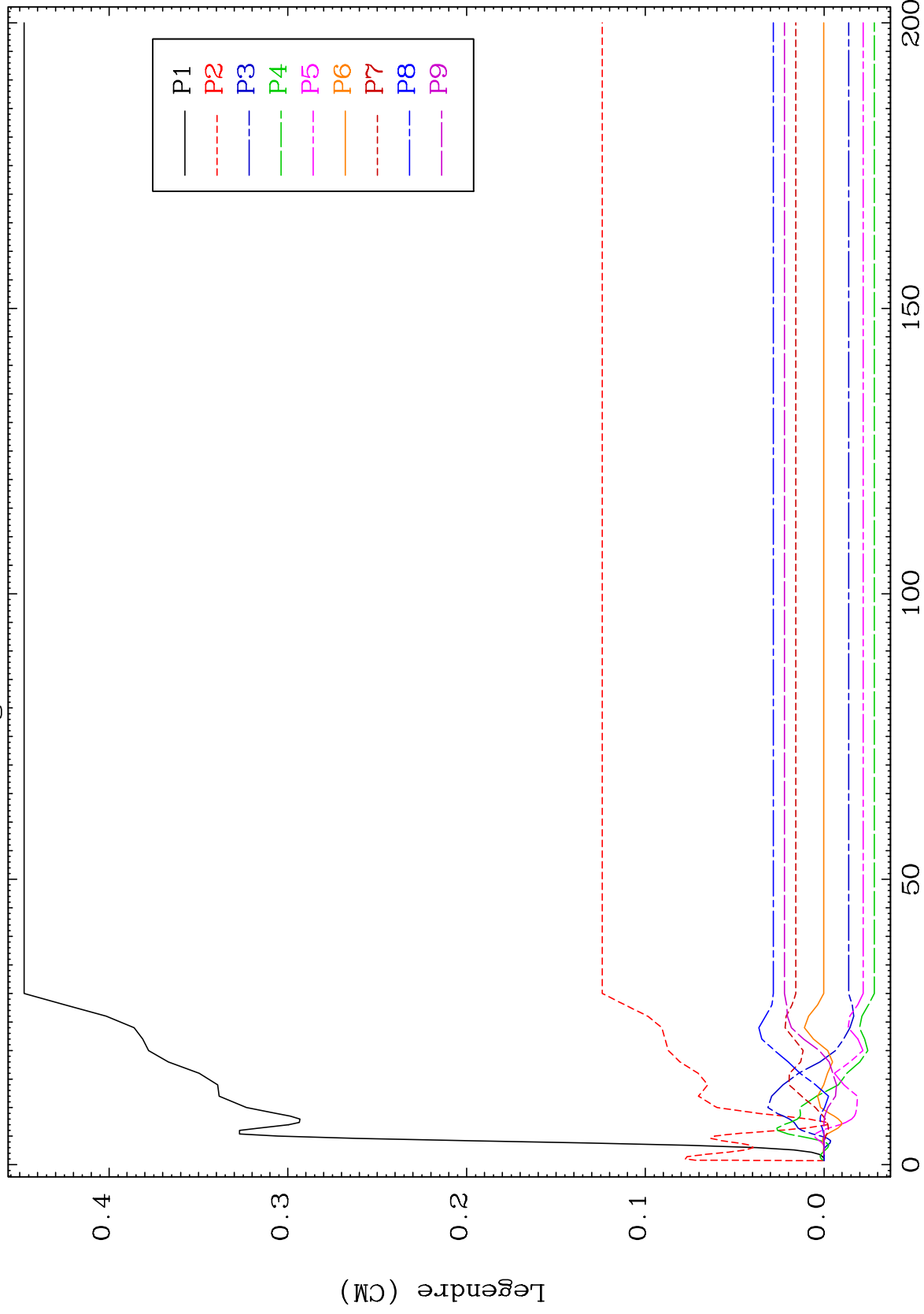
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



59

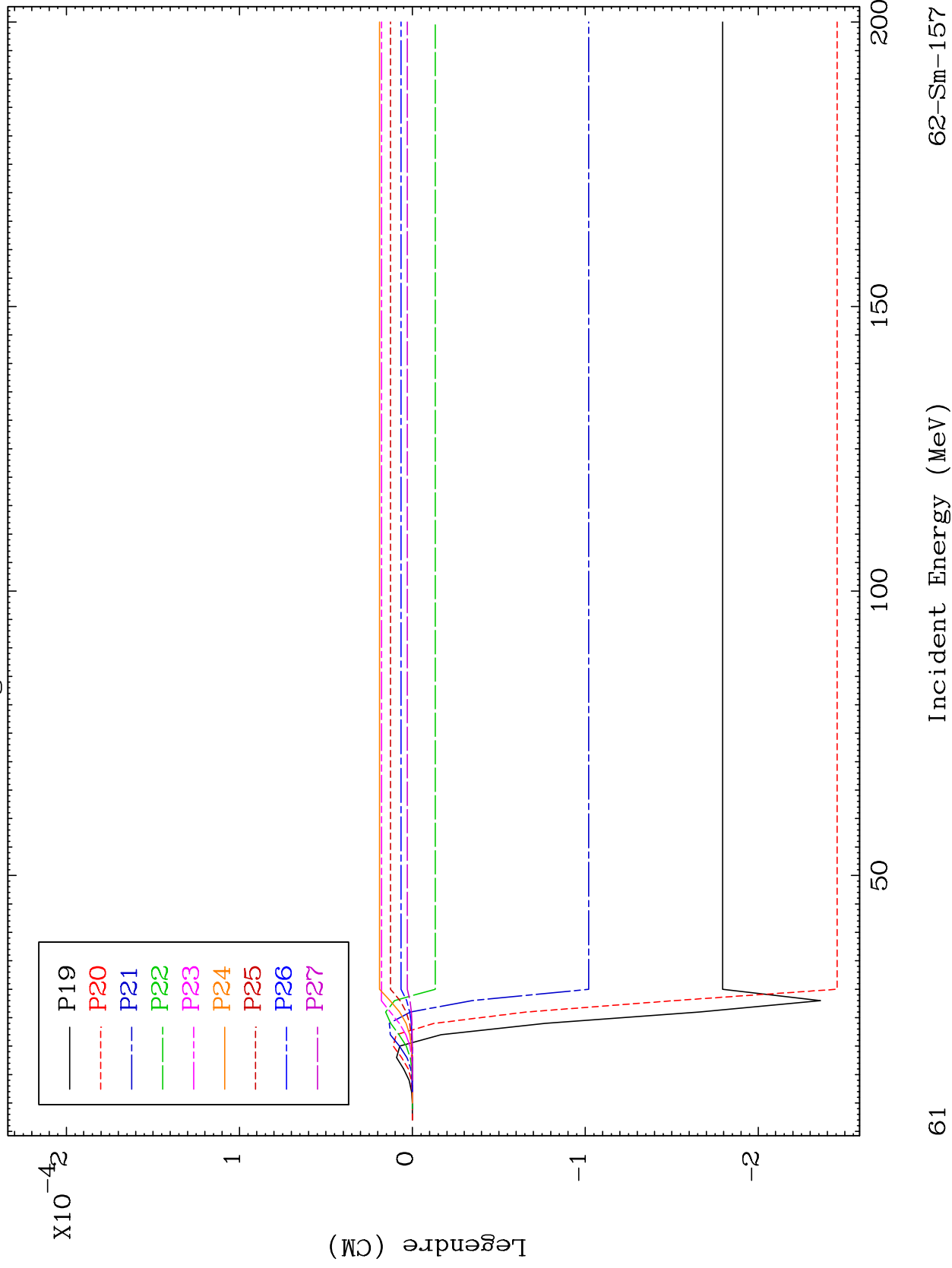
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

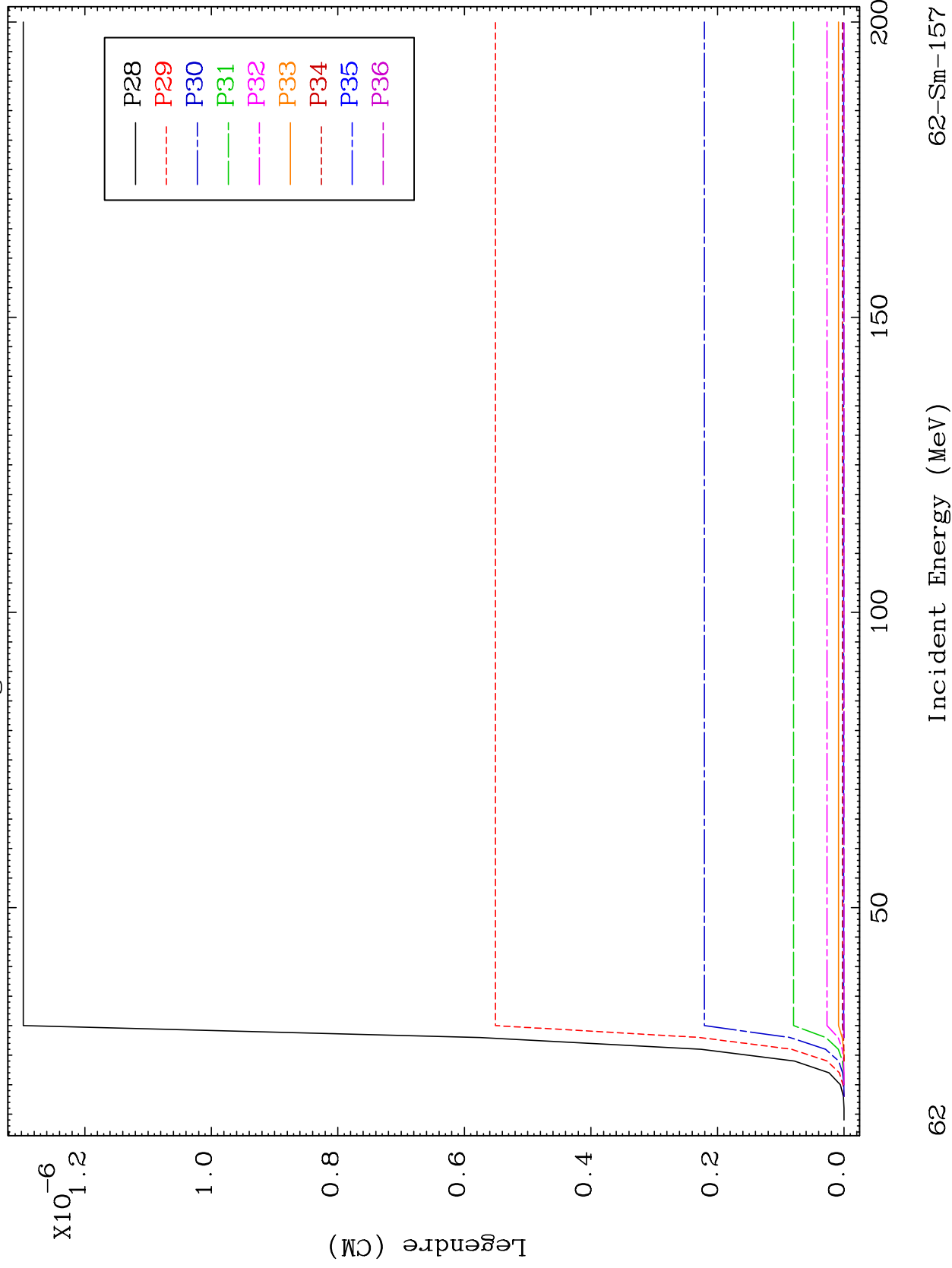
62-Sm-157



MAT 6264

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

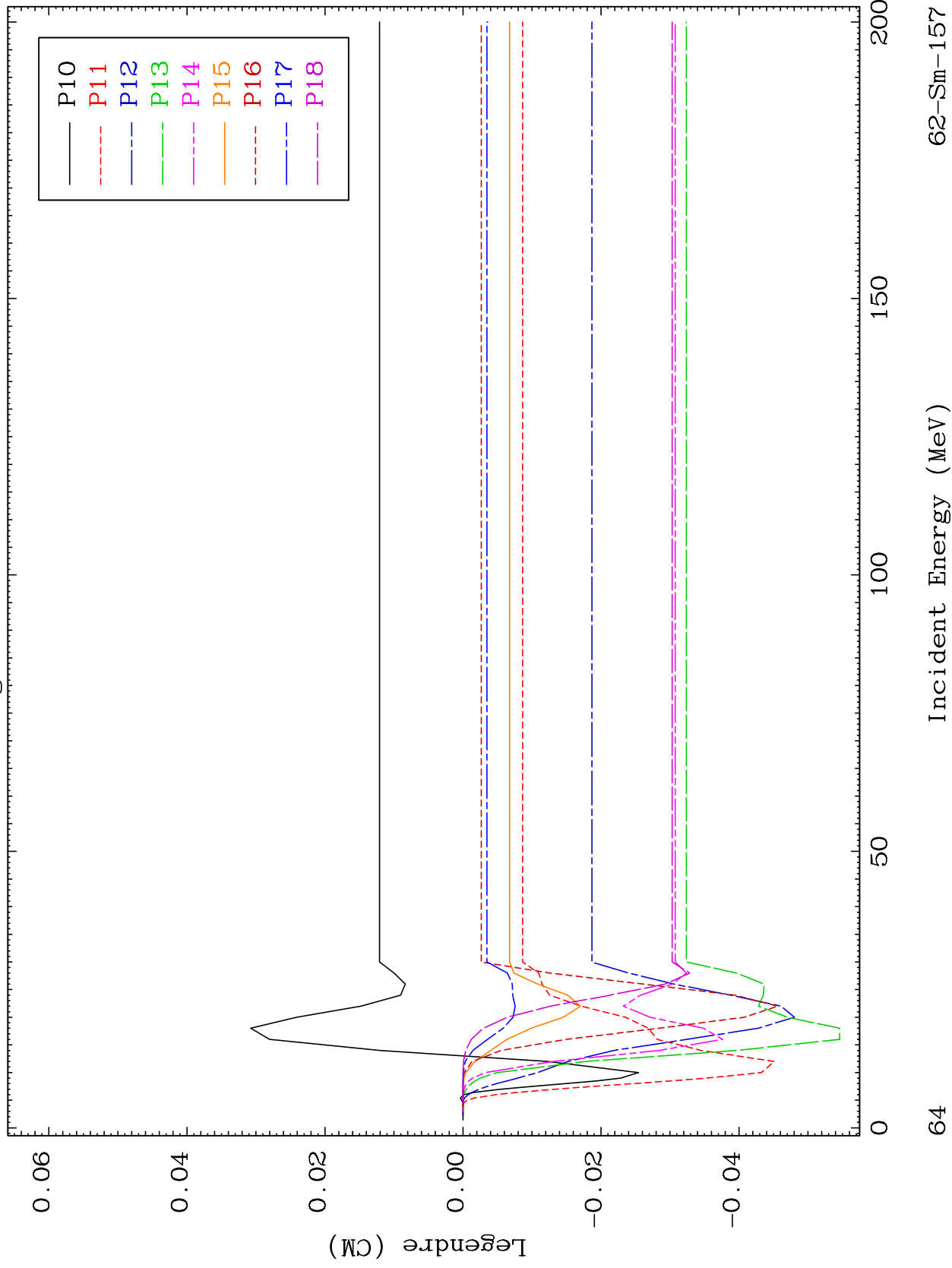
62-Sm-157



MAT 6264

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

62-Sm-157



64

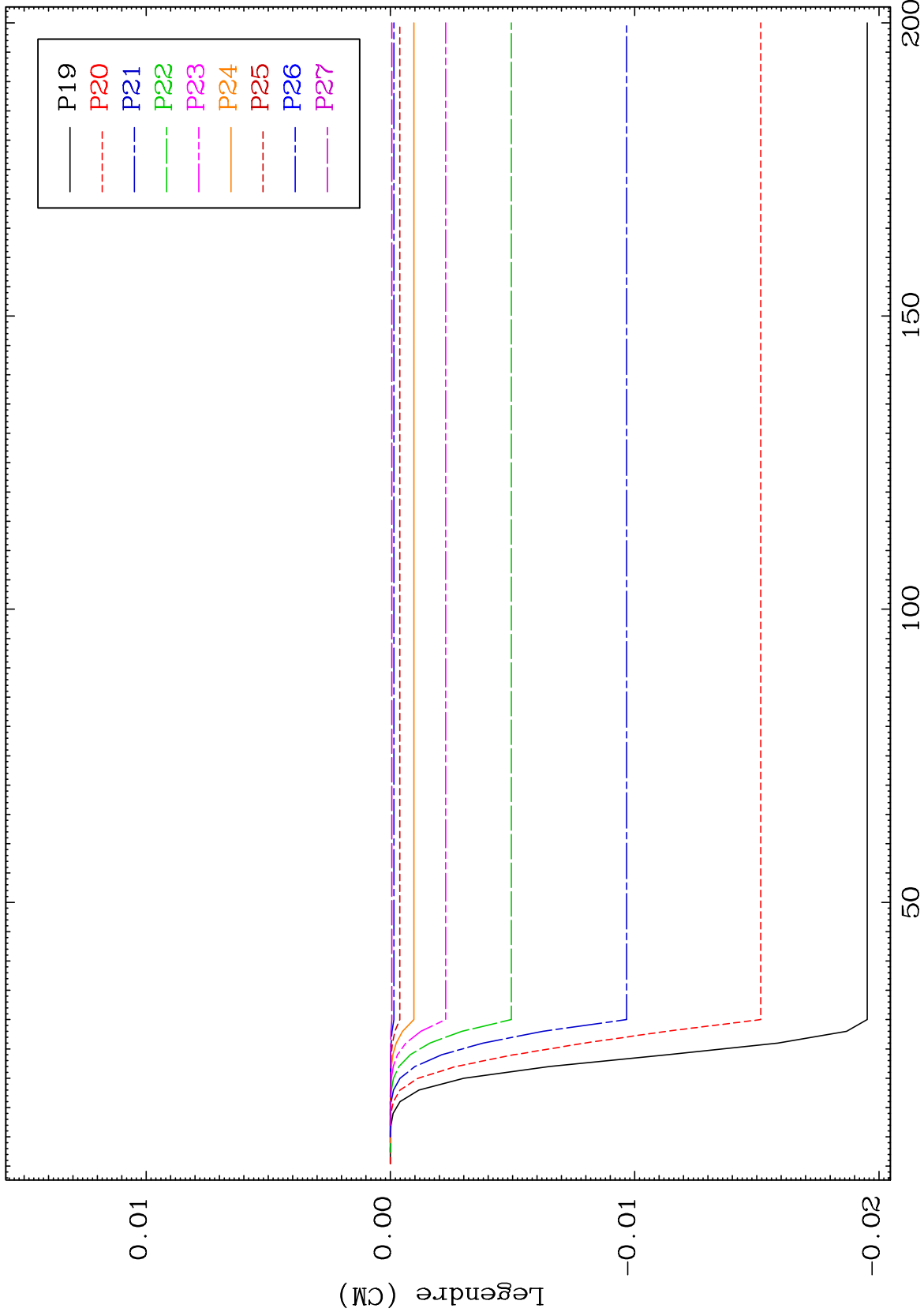
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

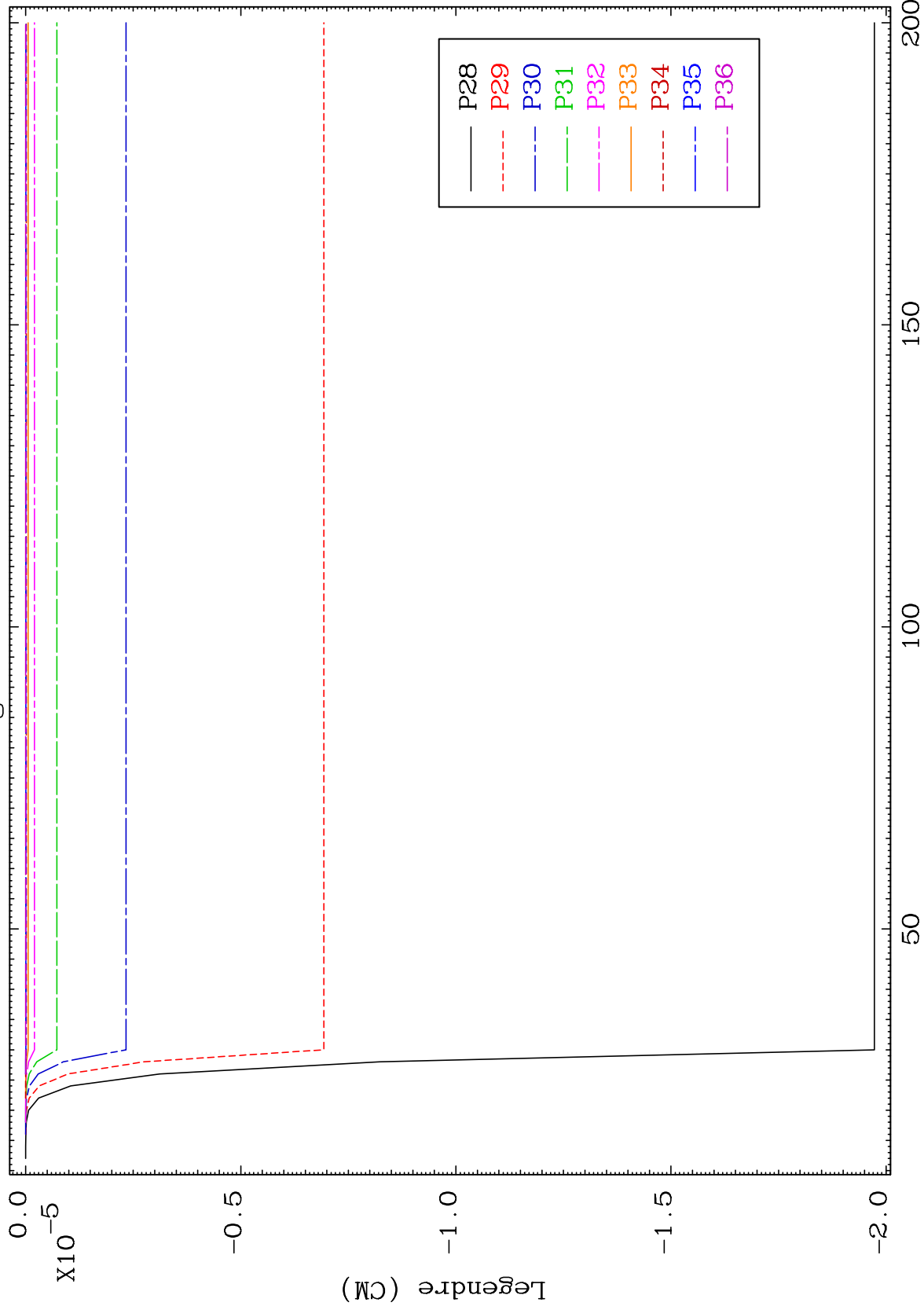
62-Sm-157

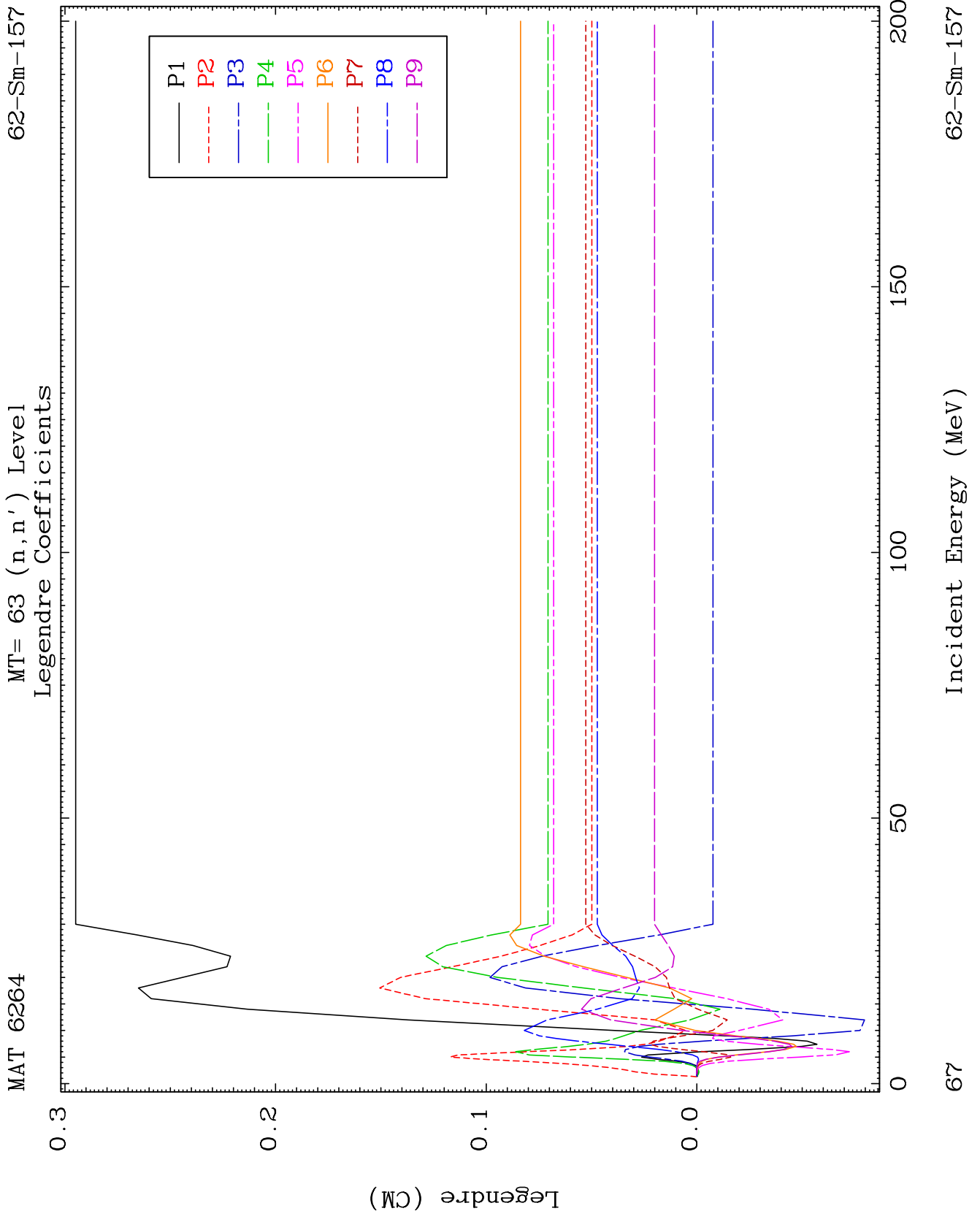


65

Incident Energy (MeV)

62-Sm-157

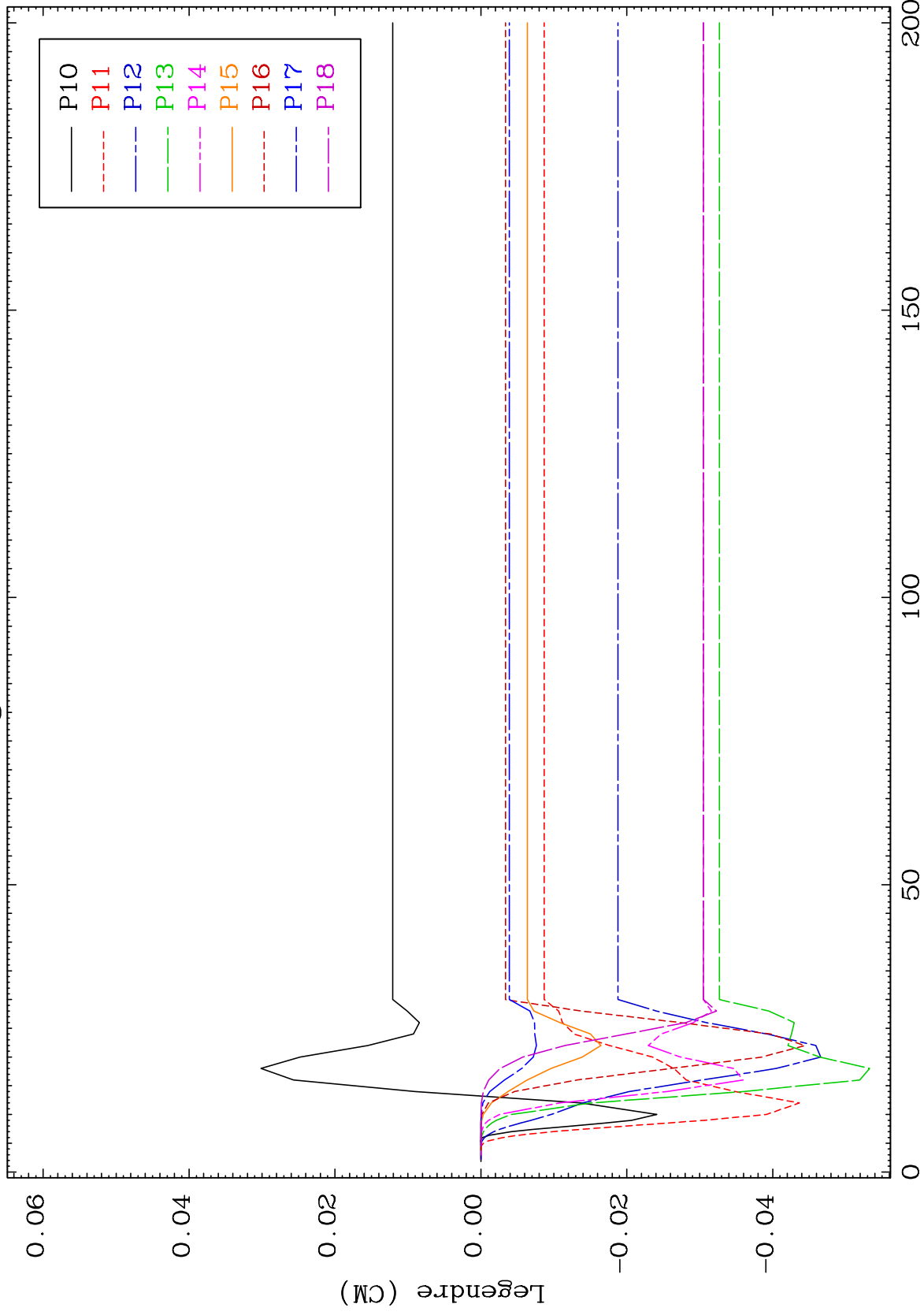




MAT 6264

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

62-Sm-157



68

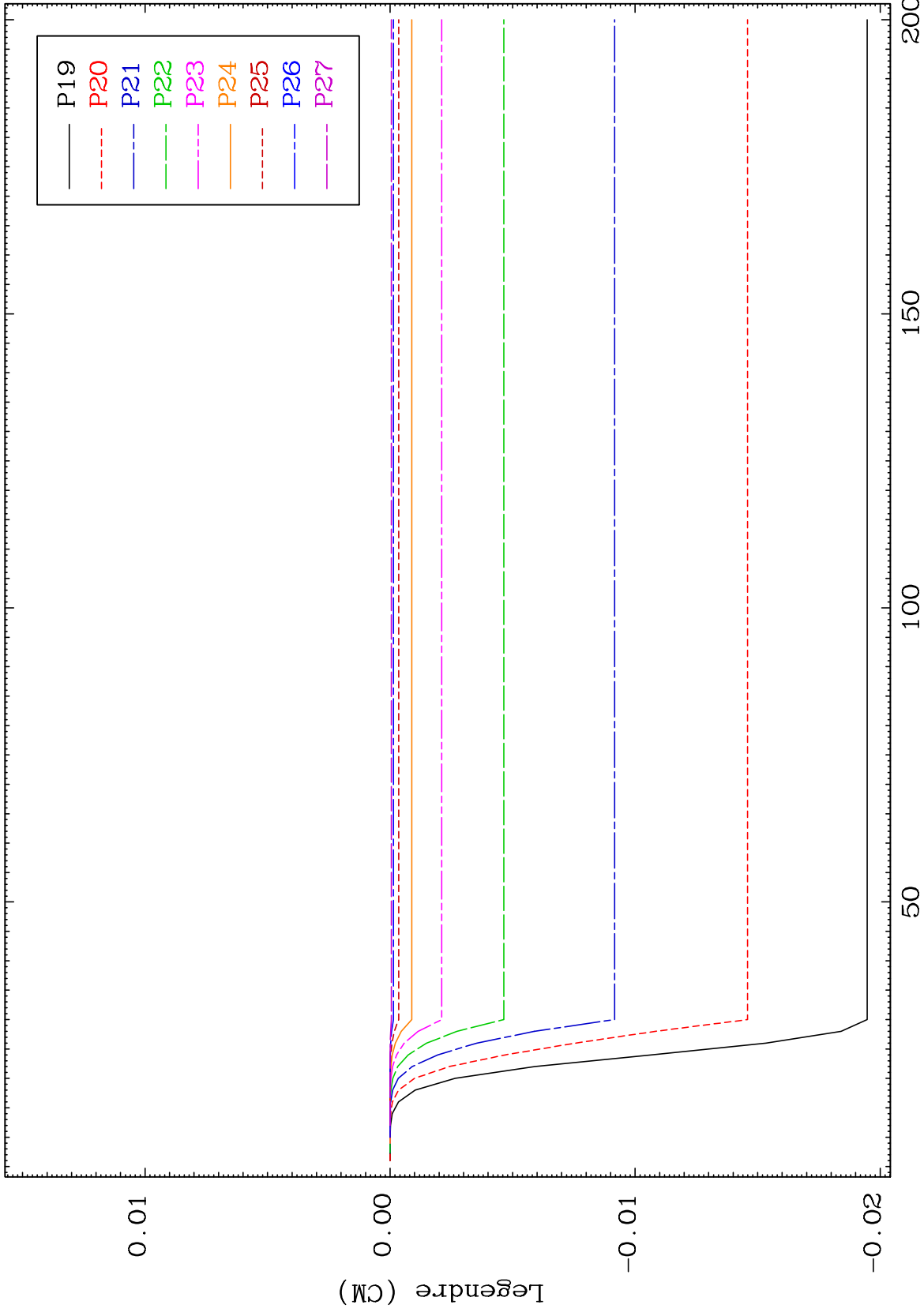
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

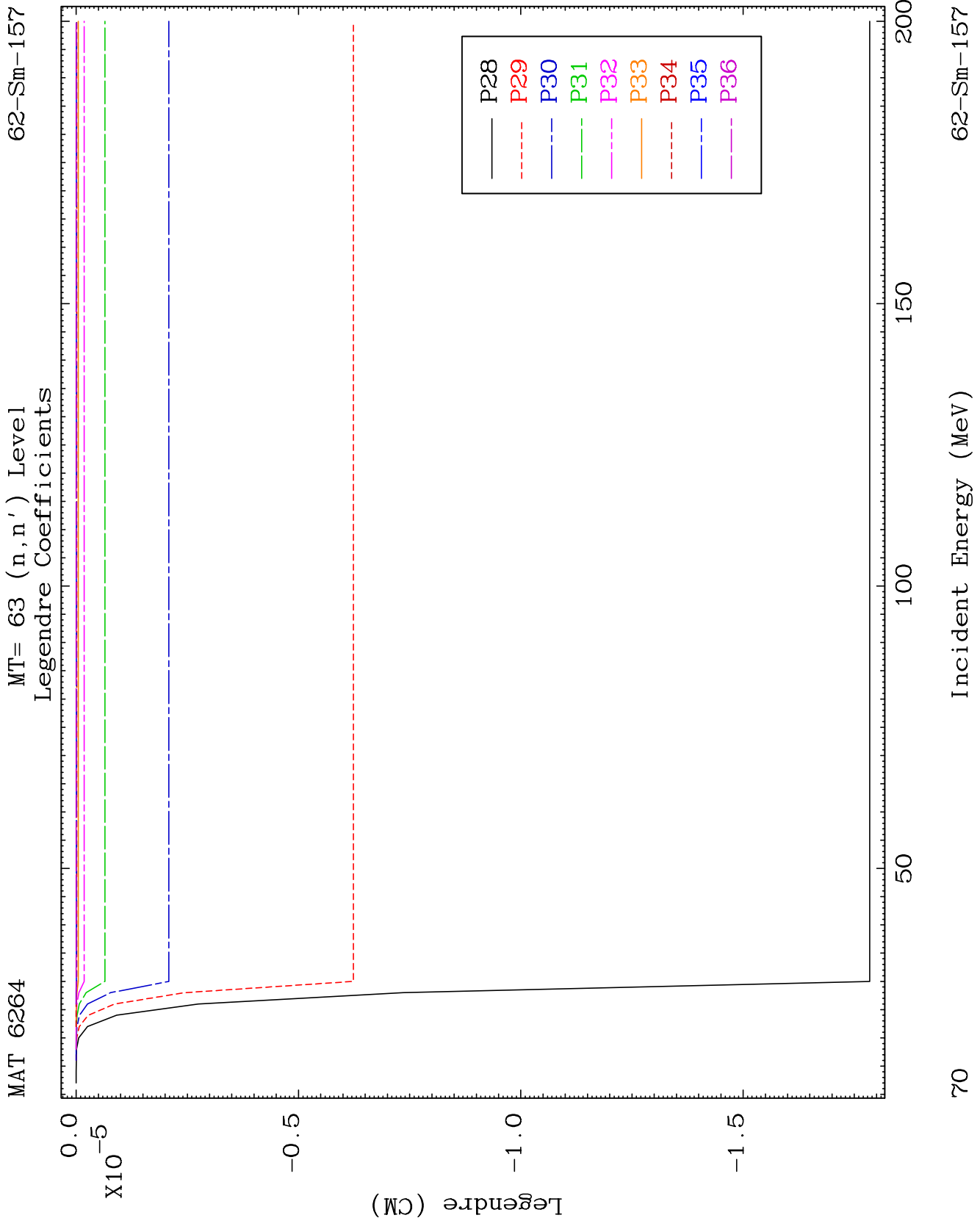
62-Sm-157



69

Incident Energy (MeV)

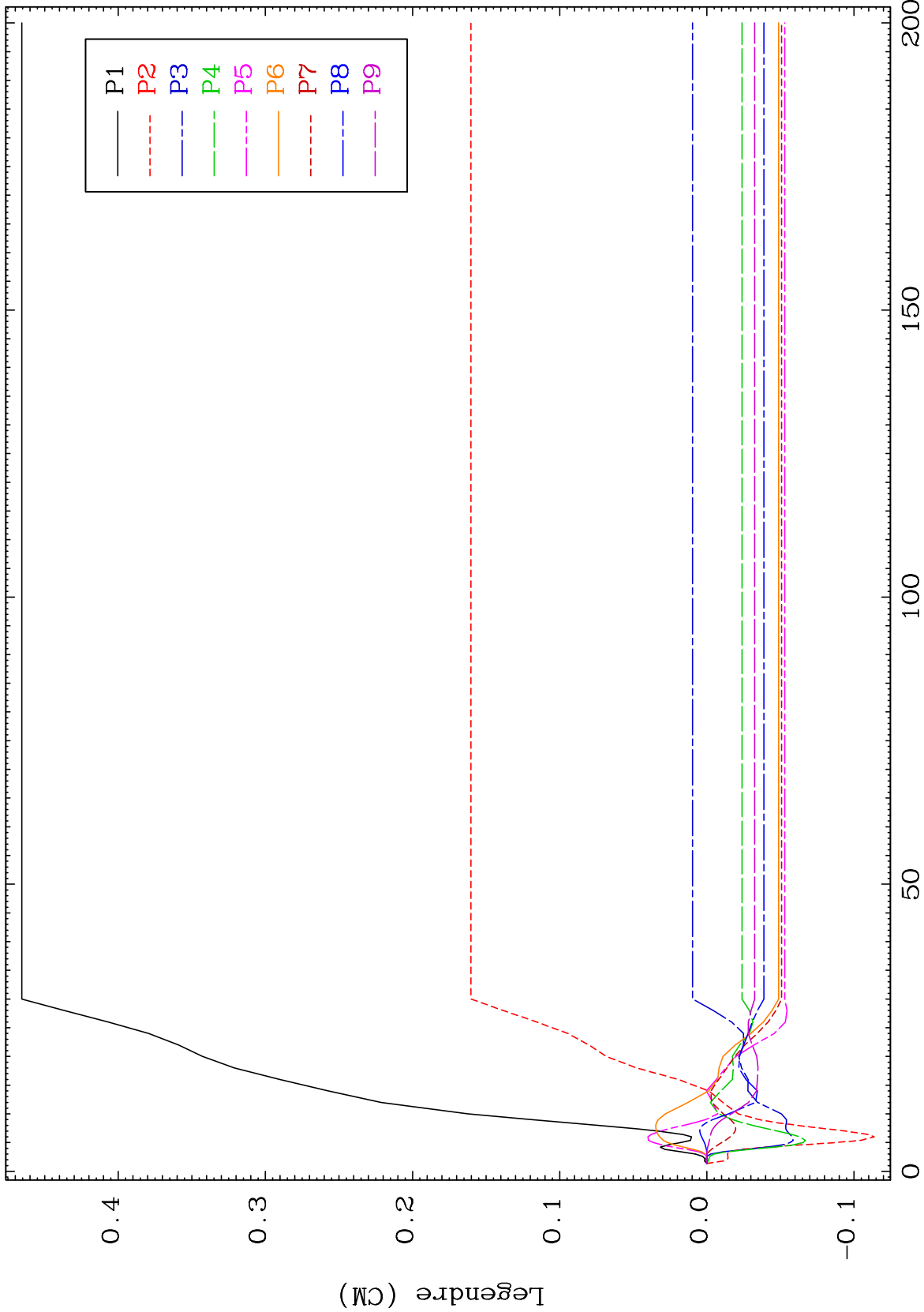
62-Sm-157



MAT 6264

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

62-Sm-157



71

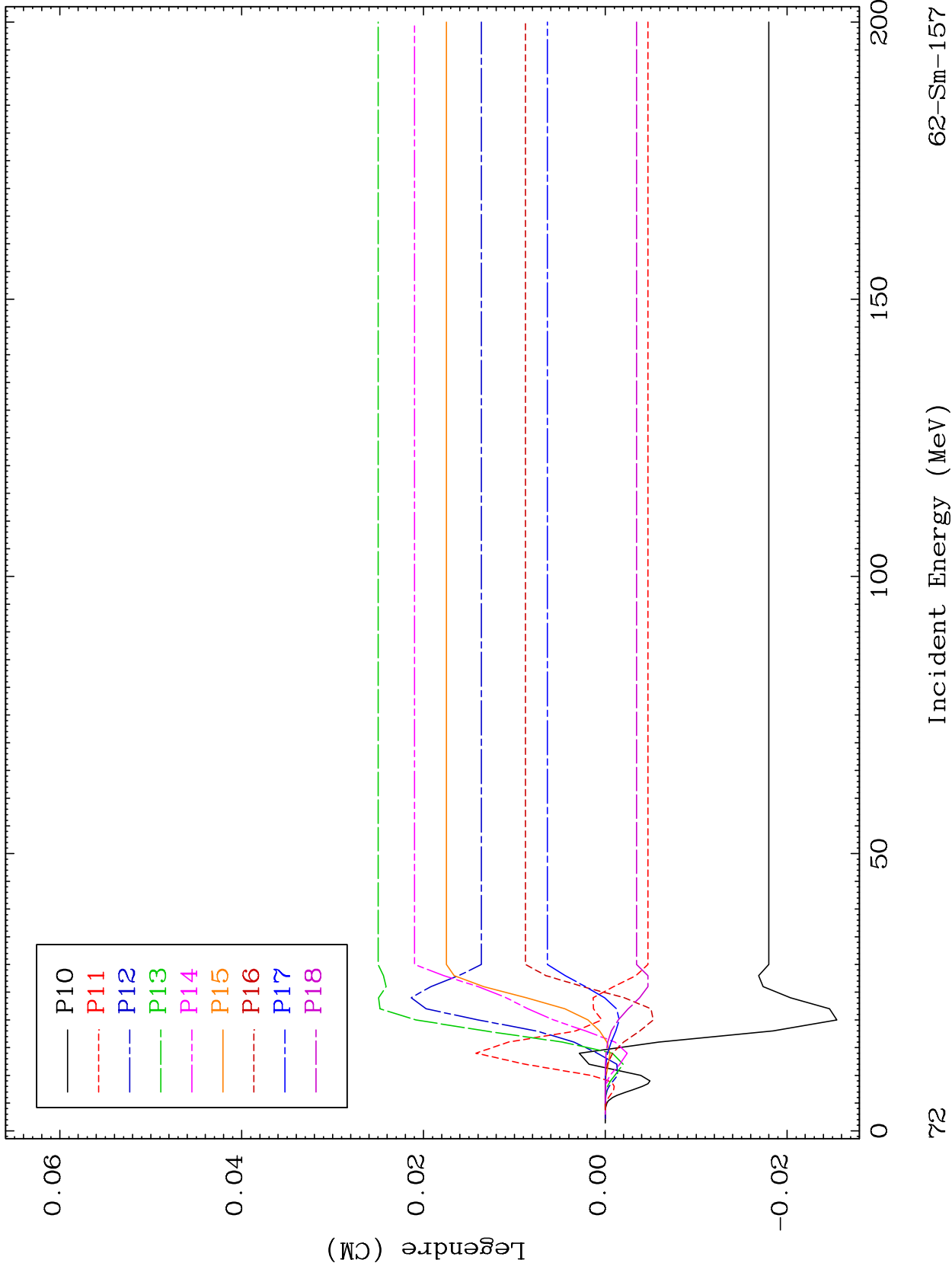
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157

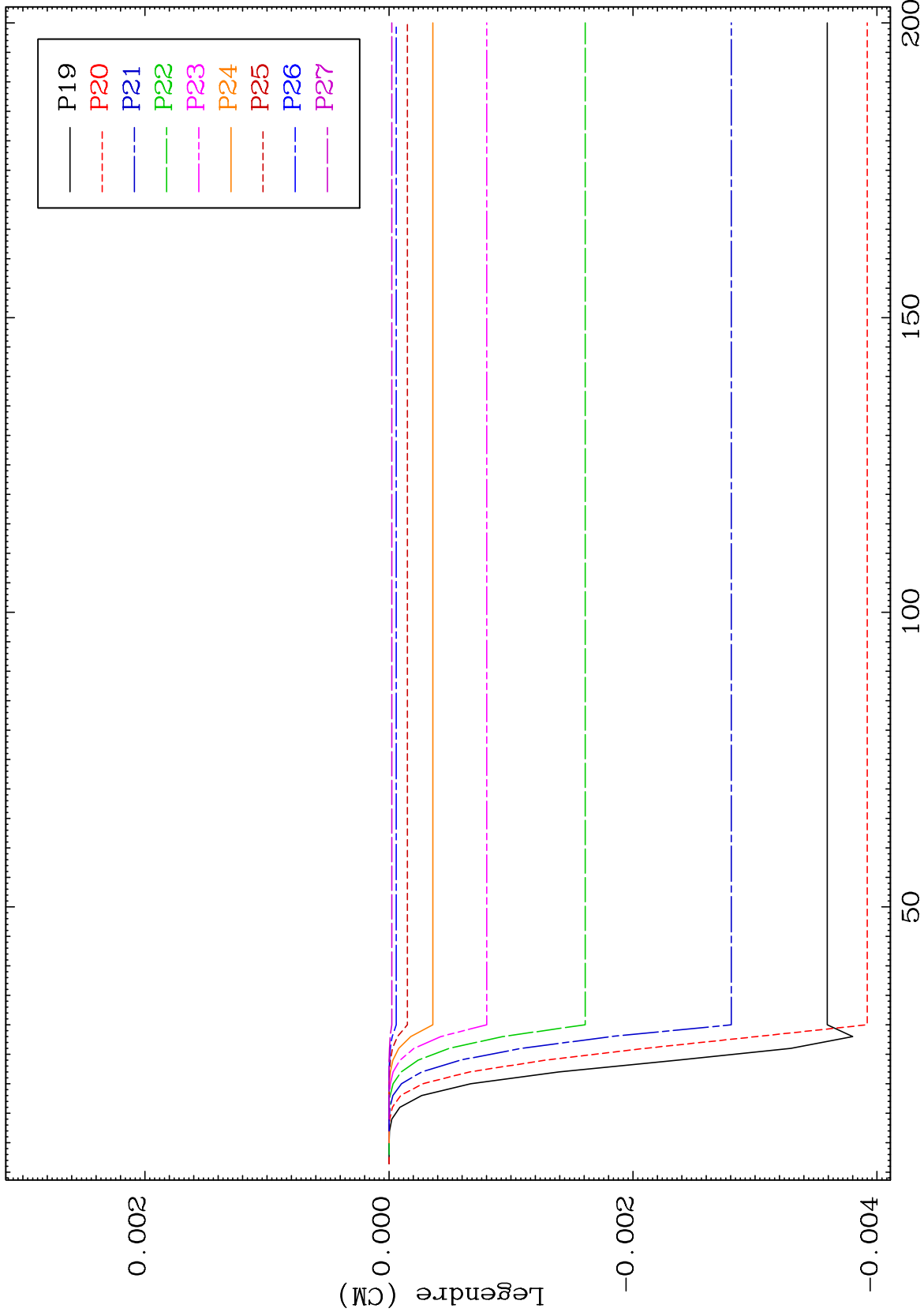


72

MAT 6264

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

62-Sm-157



73

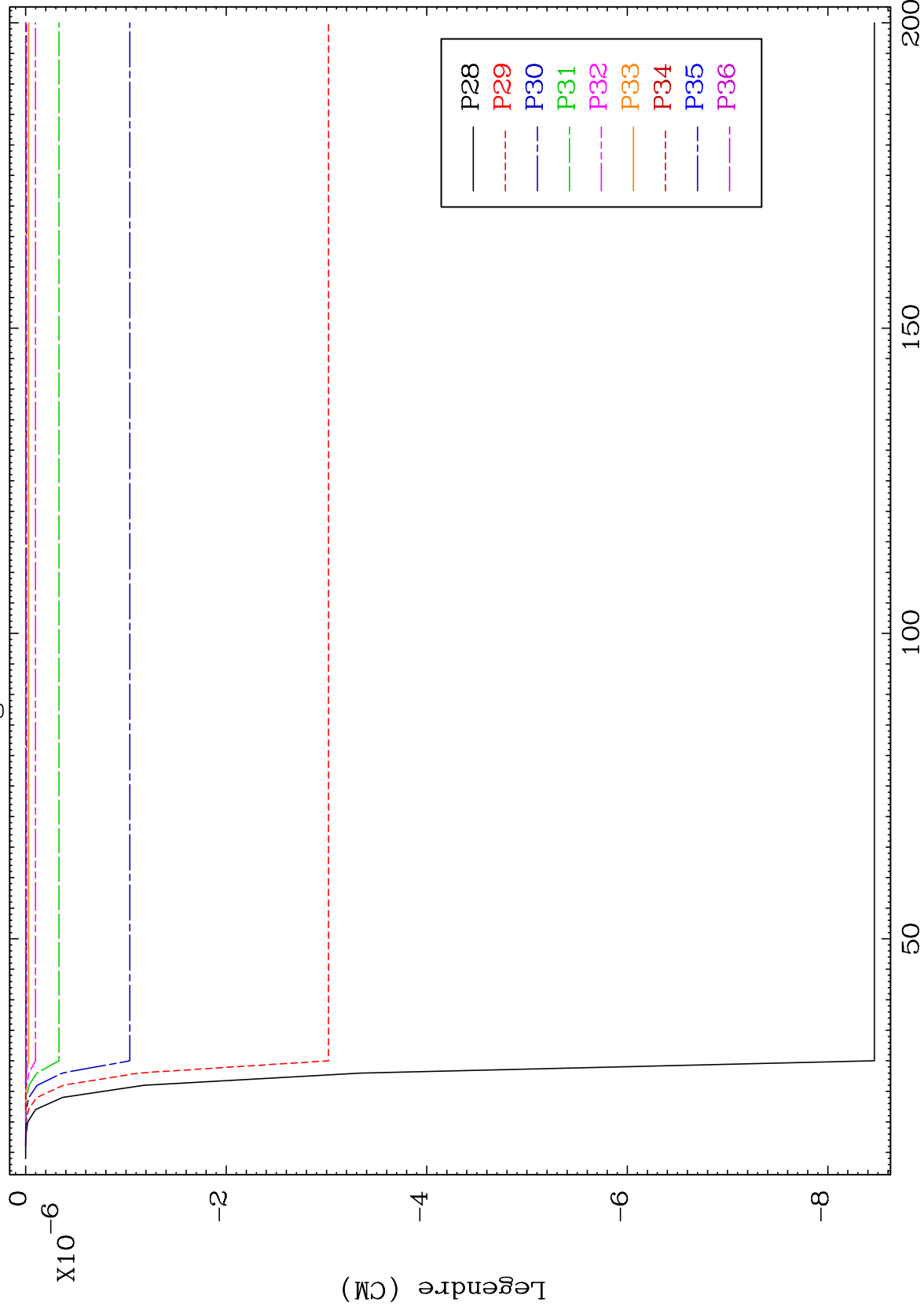
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

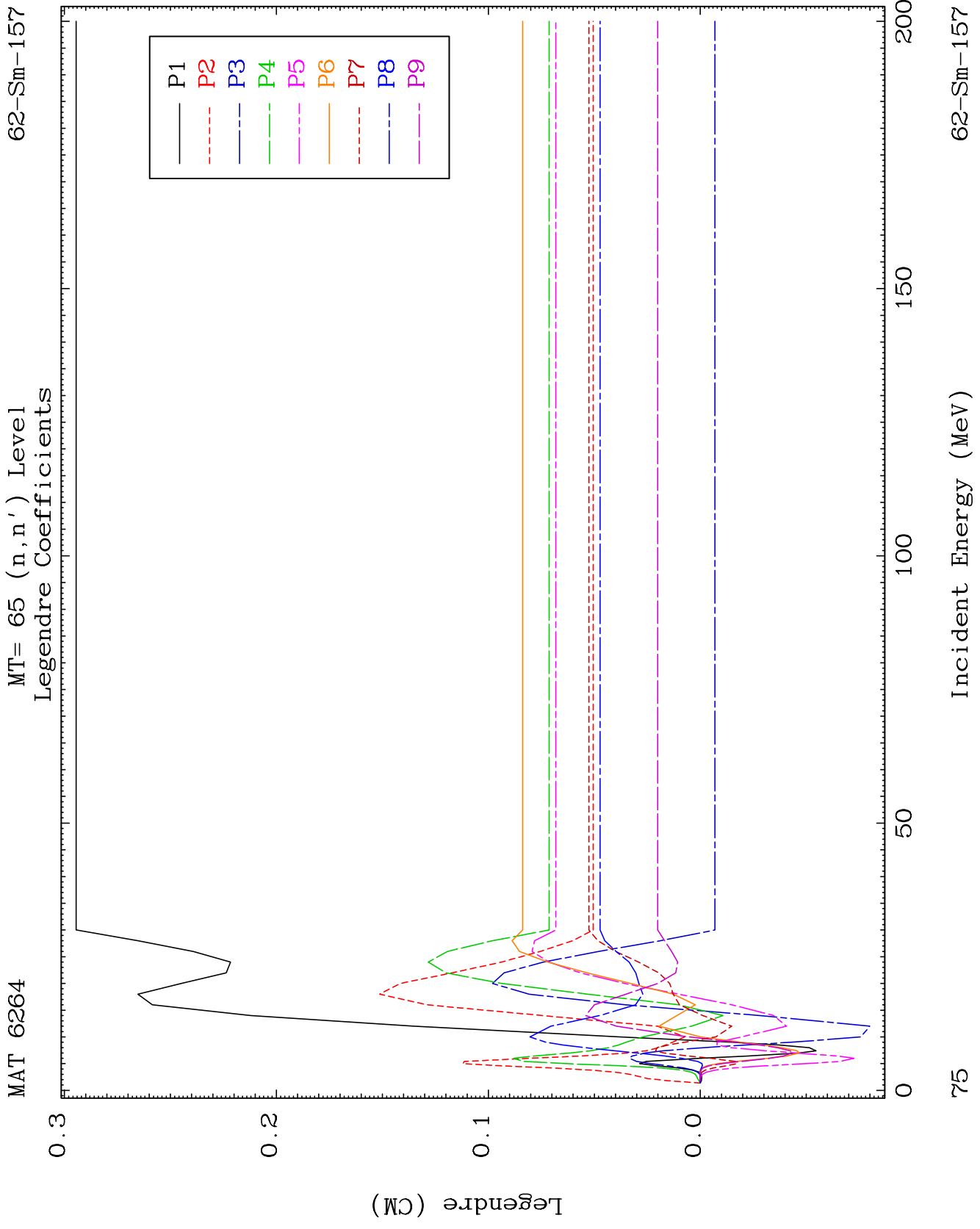
62-Sm-157



74

Incident Energy (MeV)

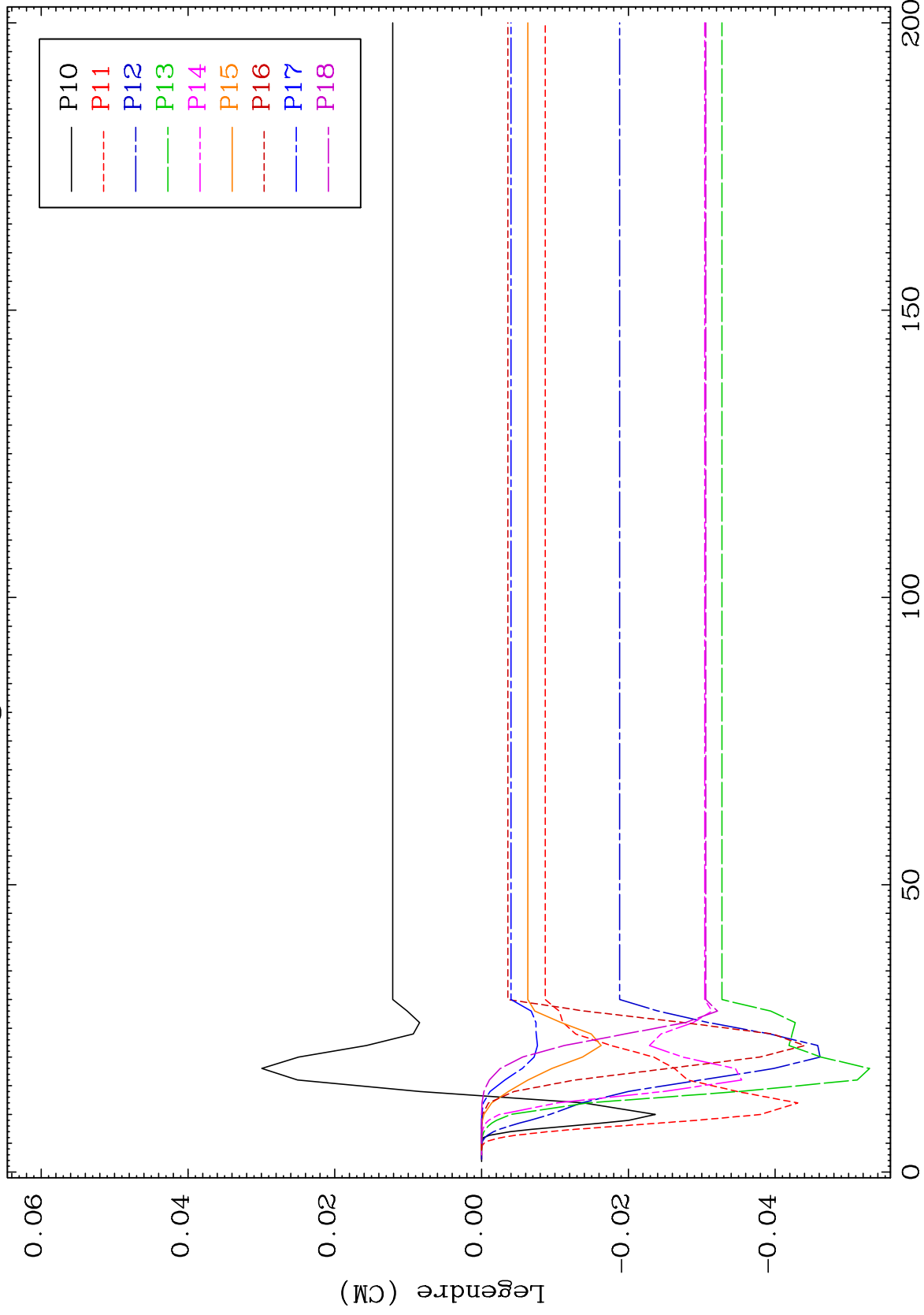
62-Sm-157



MAT 6264

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

62-Sm-157



76

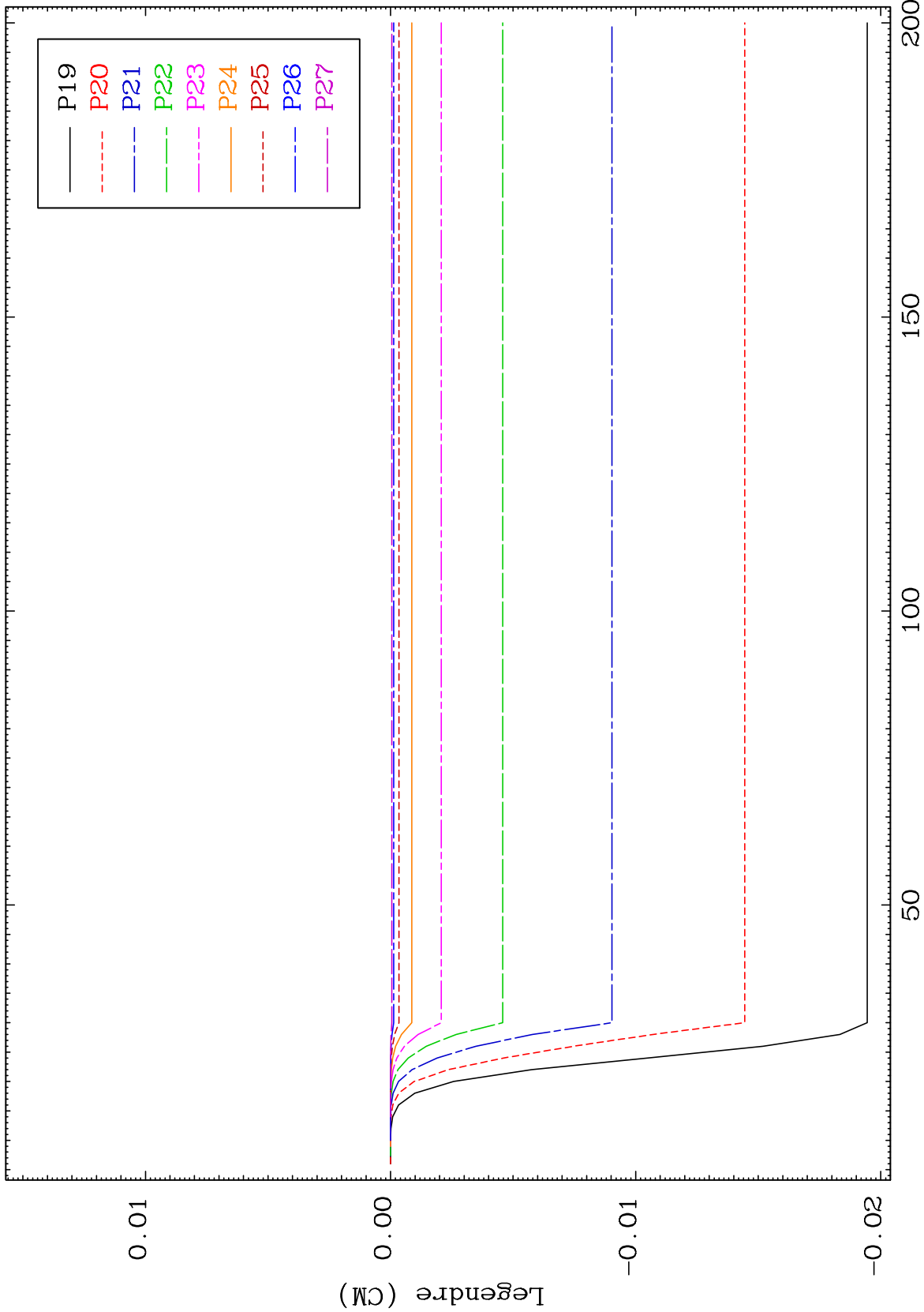
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



77

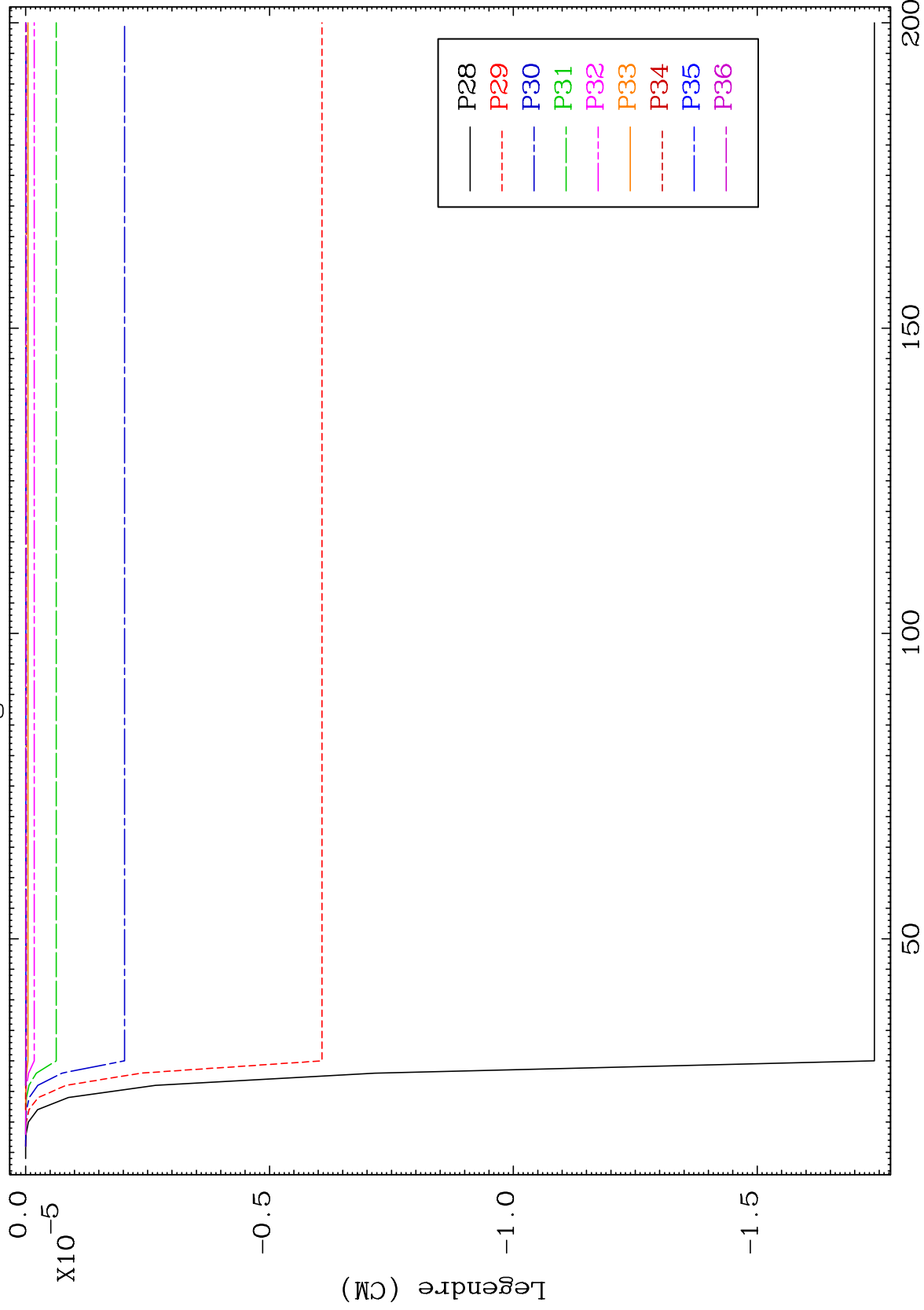
Incident Energy (MeV)

62-Sm-157

MAT 6264

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

62-Sm-157



78

Incident Energy (MeV)

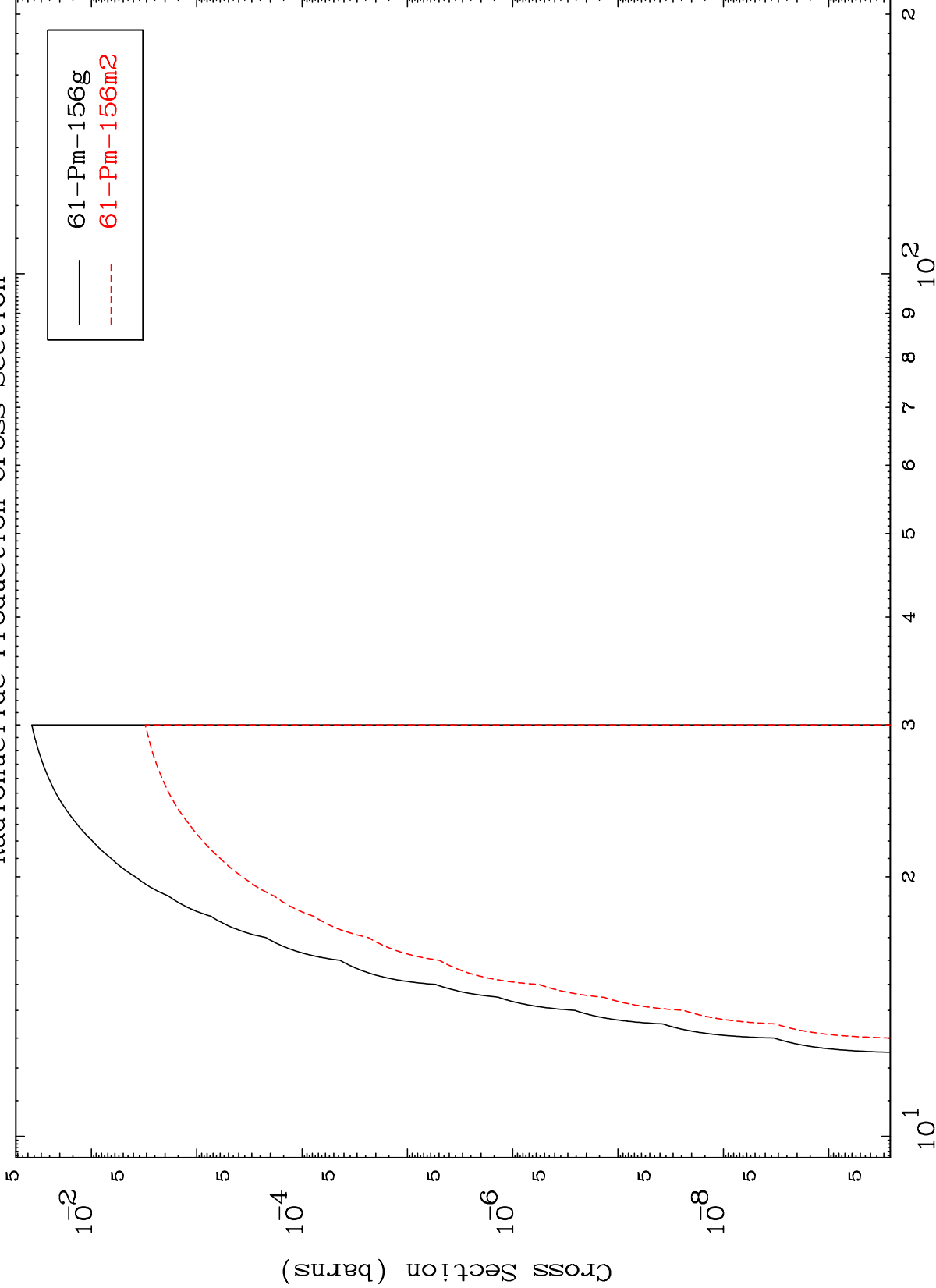
62-Sm-157

MAT 6264

(n,n') p

62-Sm-157

Radionuclide Production Cross Section



61-Pm-156g
61-Pm-156m2

79

Incident Energy (MeV)

62-Sm-157

