

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

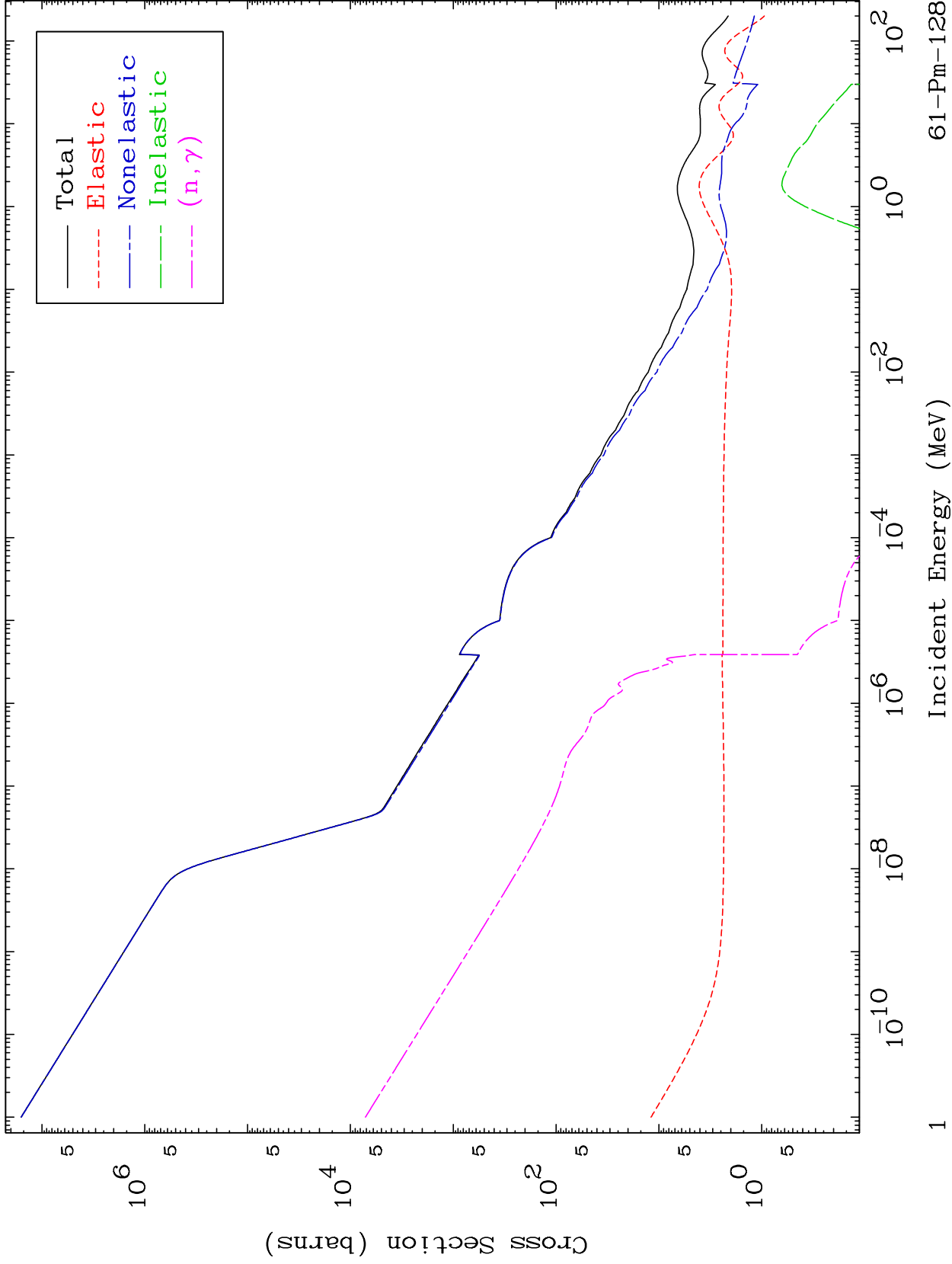
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6092

Neutron Major
293 Kelvin Cross Sections

61-Pm-128



1

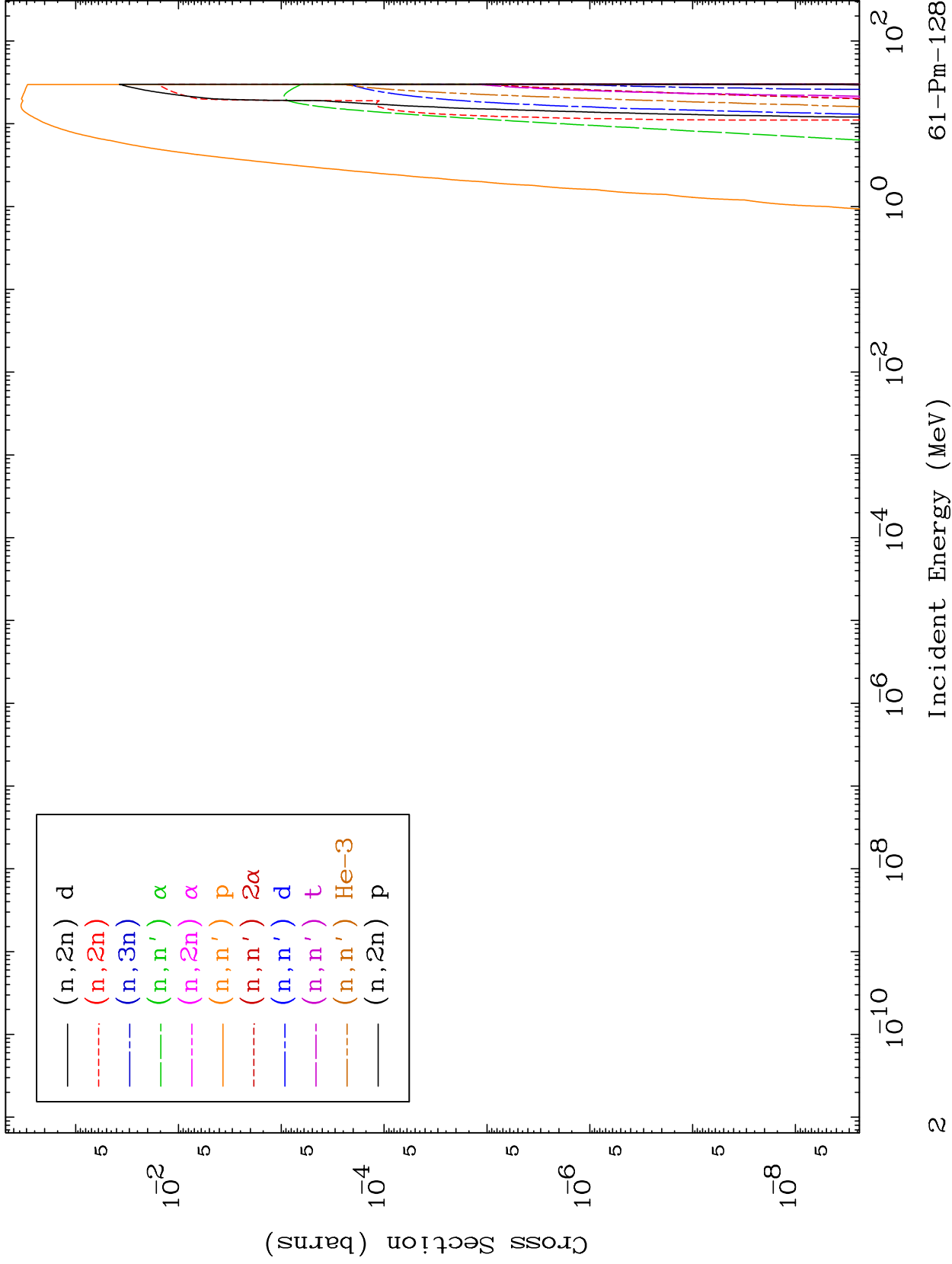
Incident Energy (MeV)

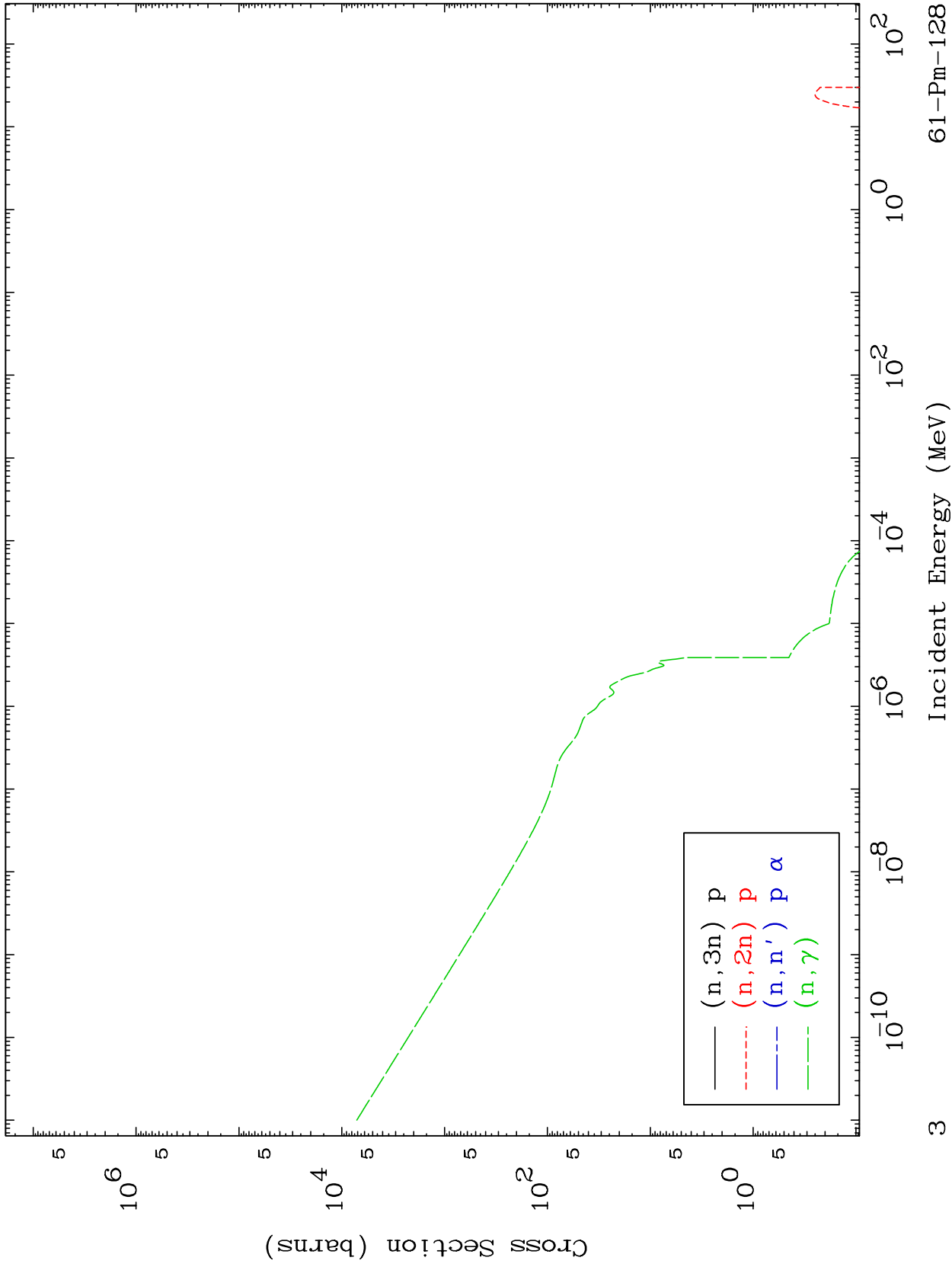
61-Pm-128

MAT 6092

Neutron Absorption
293 Kelvin Cross Sections

61-Pm-128

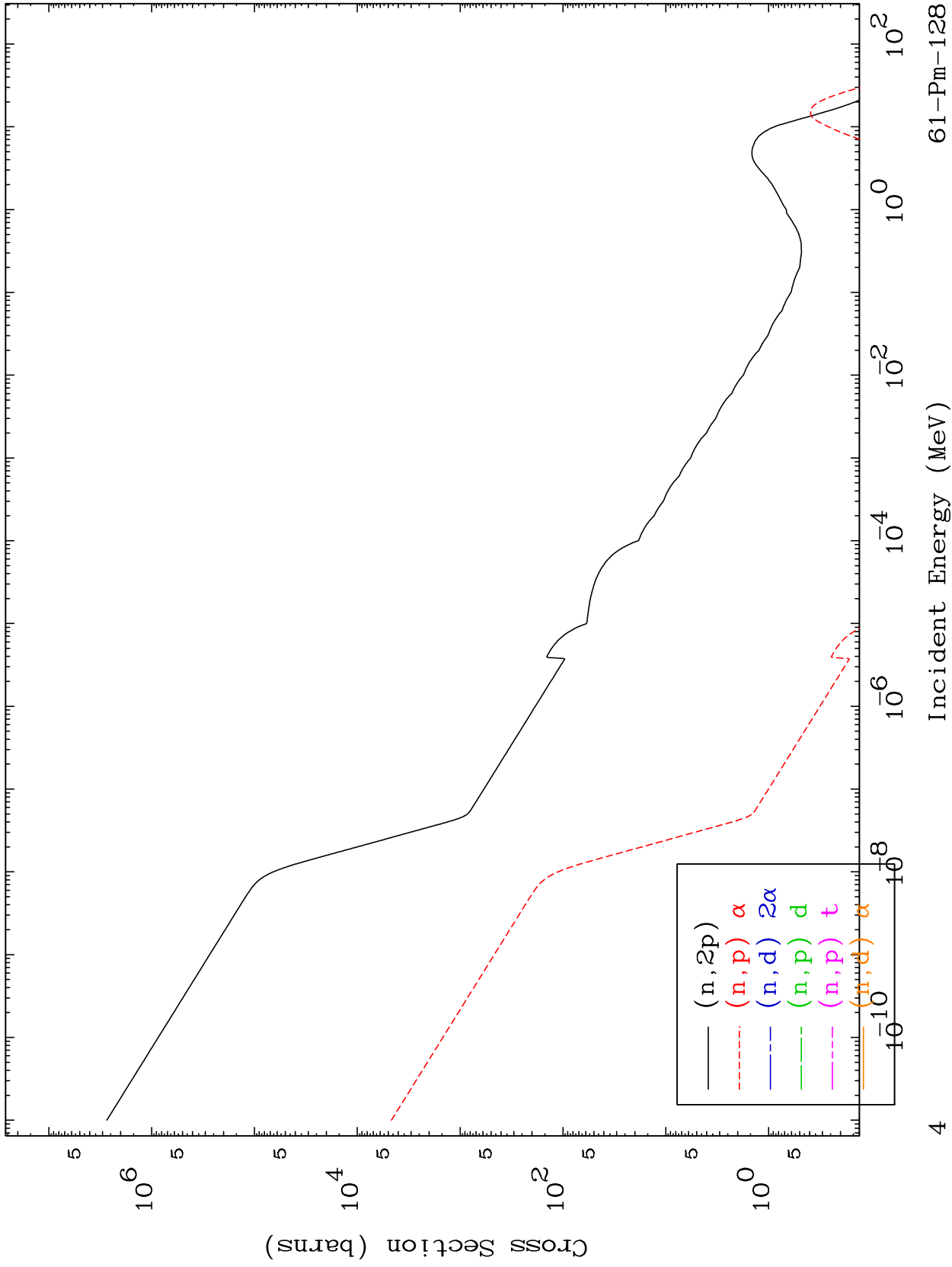




MAT 6092

Neutron Absorption
293 Kelvin Cross Sections

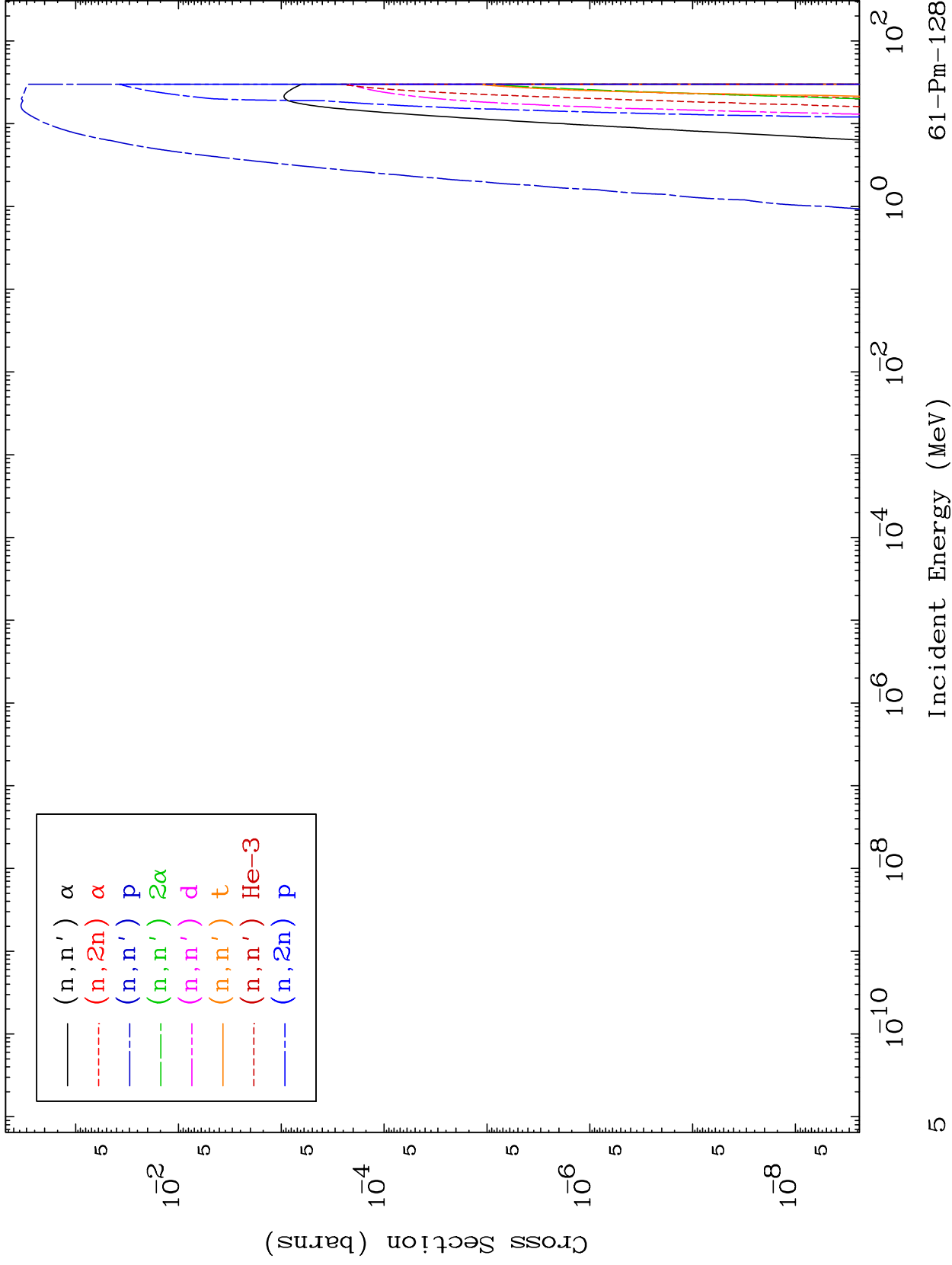
61-Pm-128



MAT 6092

Charged Particle
293 Kelvin Cross Sections

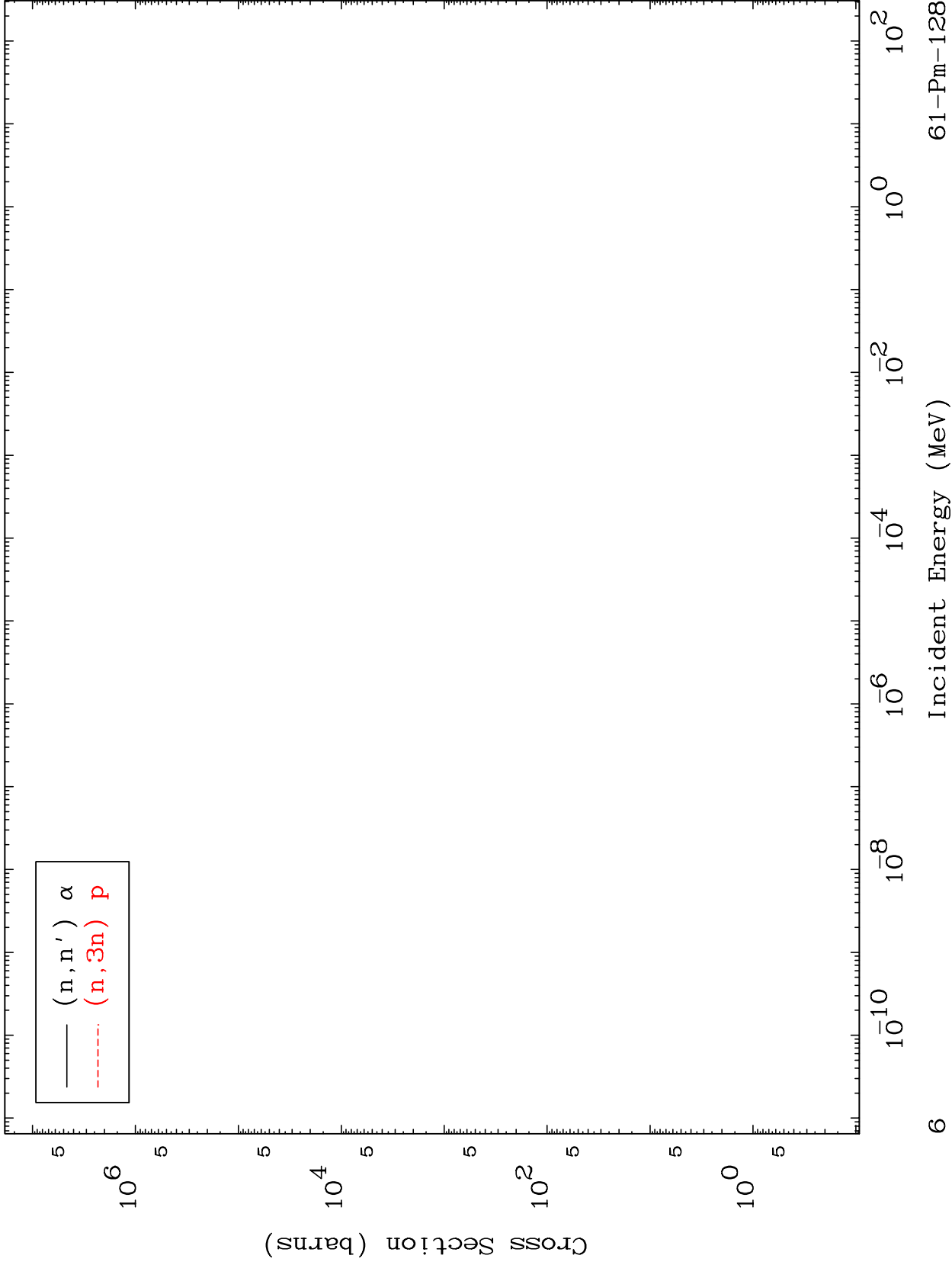
61-Pm-128



MAT 6092

Charged Particle
293 Kelvin Cross Sections

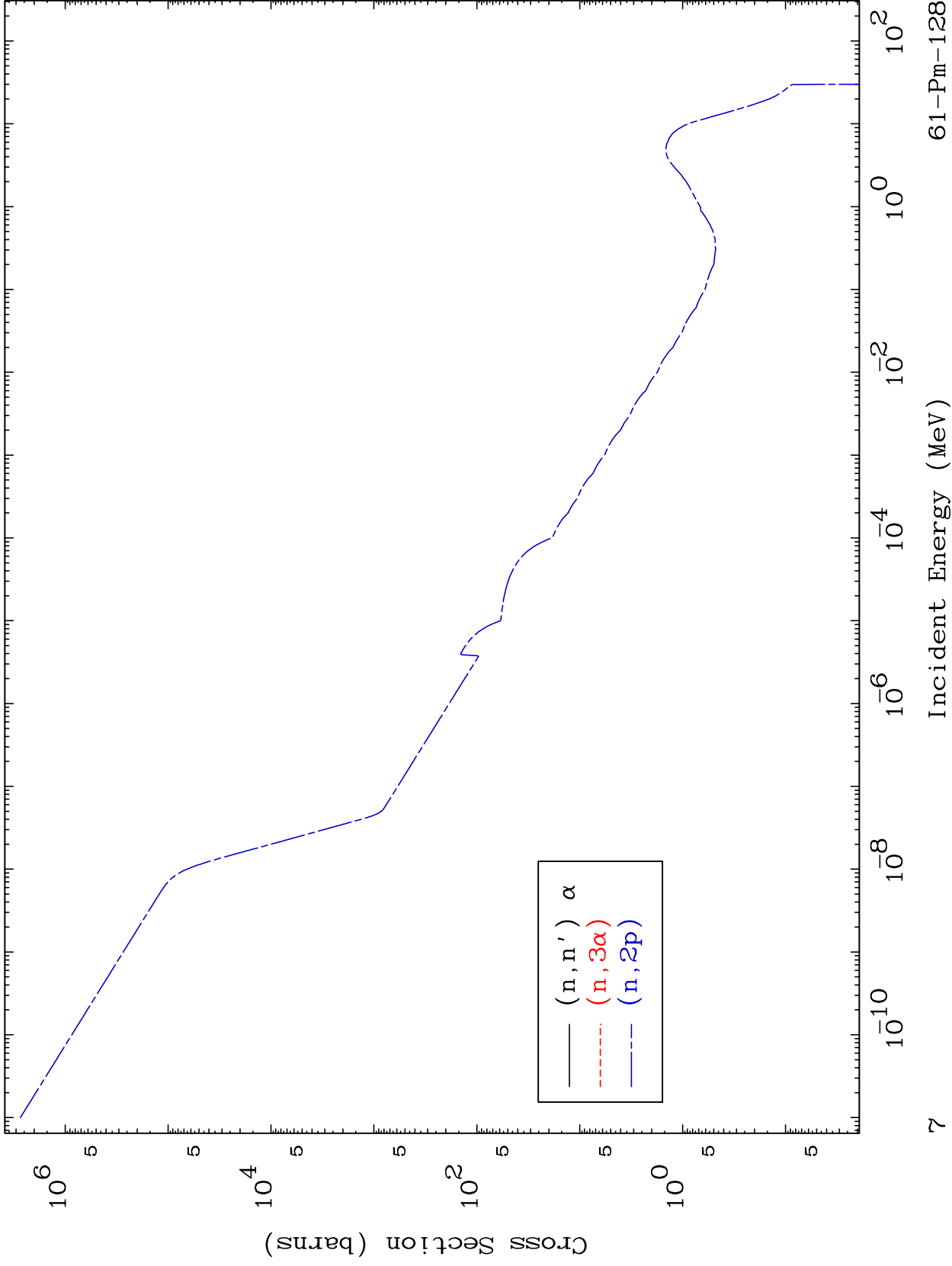
61-Pm-128



MAT 6092

Charged Particle
293 Kelvin Cross Sections

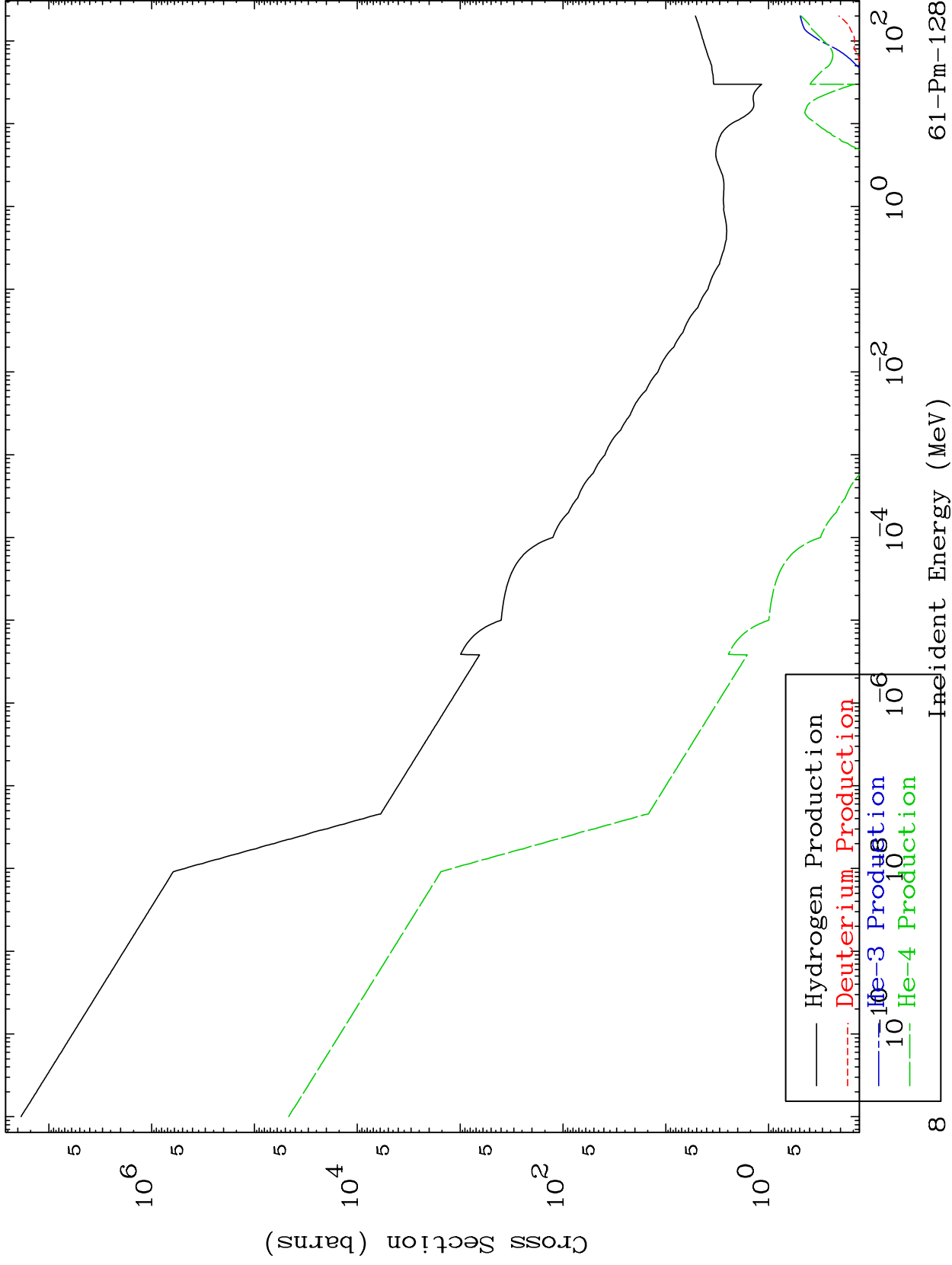
61-Pm-128



MAT 6092

Particle Production
293 Kelvin Cross Sections

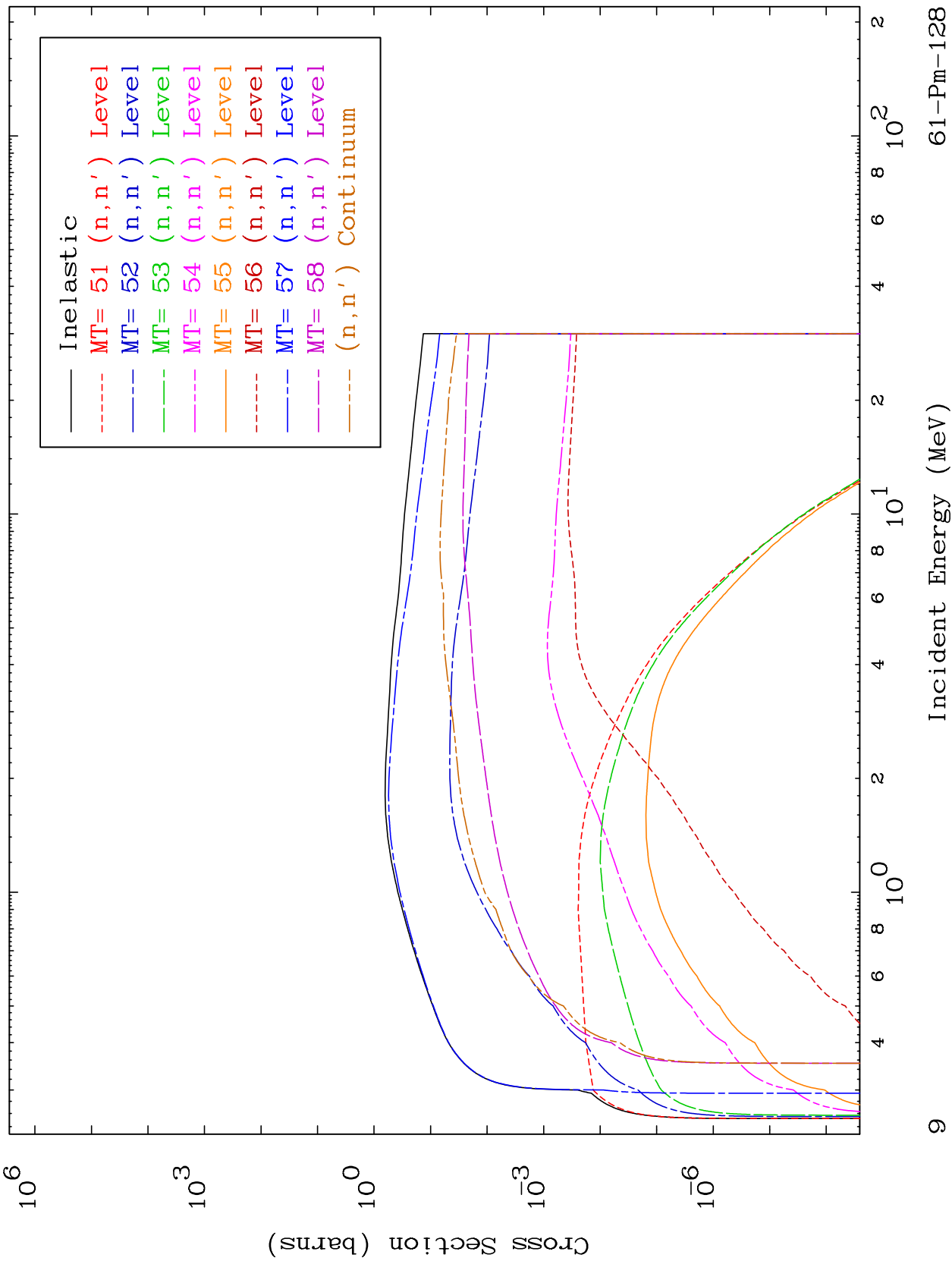
61-Pm-128



61-Pm-128

Incident Energy (MeV)

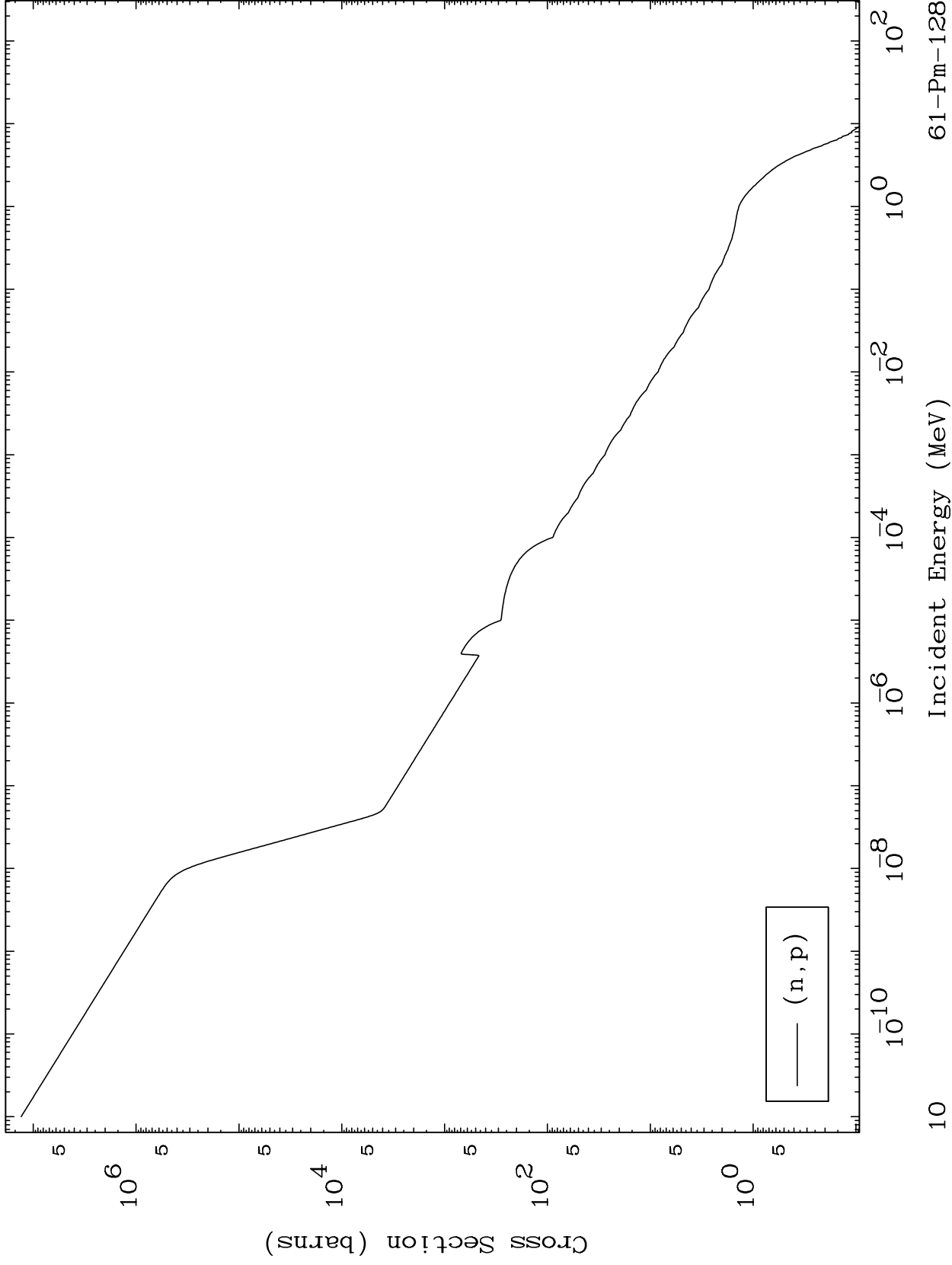
8



MAT 6092

(n,p) Levels
293 Kelvin Cross Sections

61-Pm-128



10

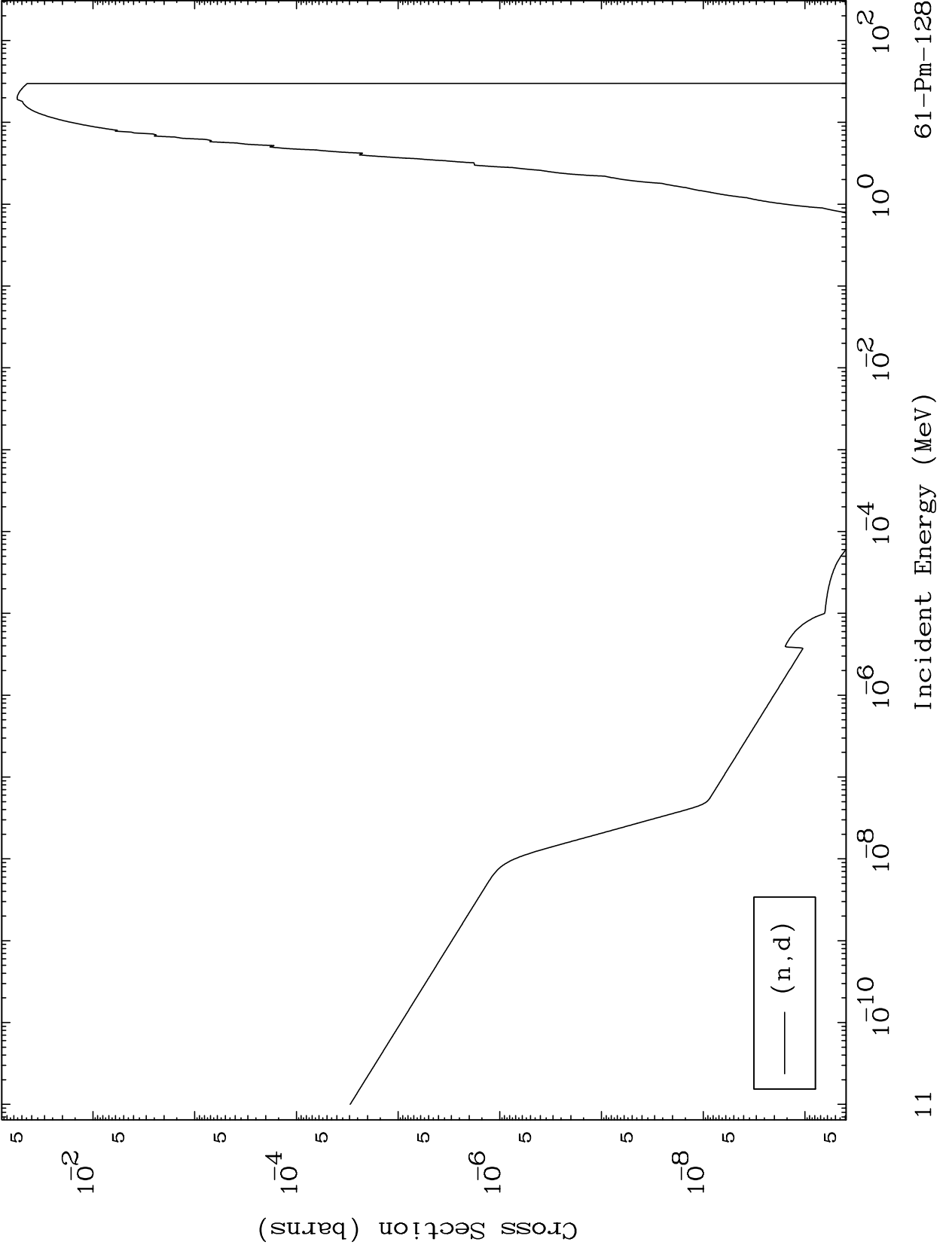
Incident Energy (MeV)

61-Pm-128

MAT 6092

(n,d) Levels
293 Kelvin Cross Sections

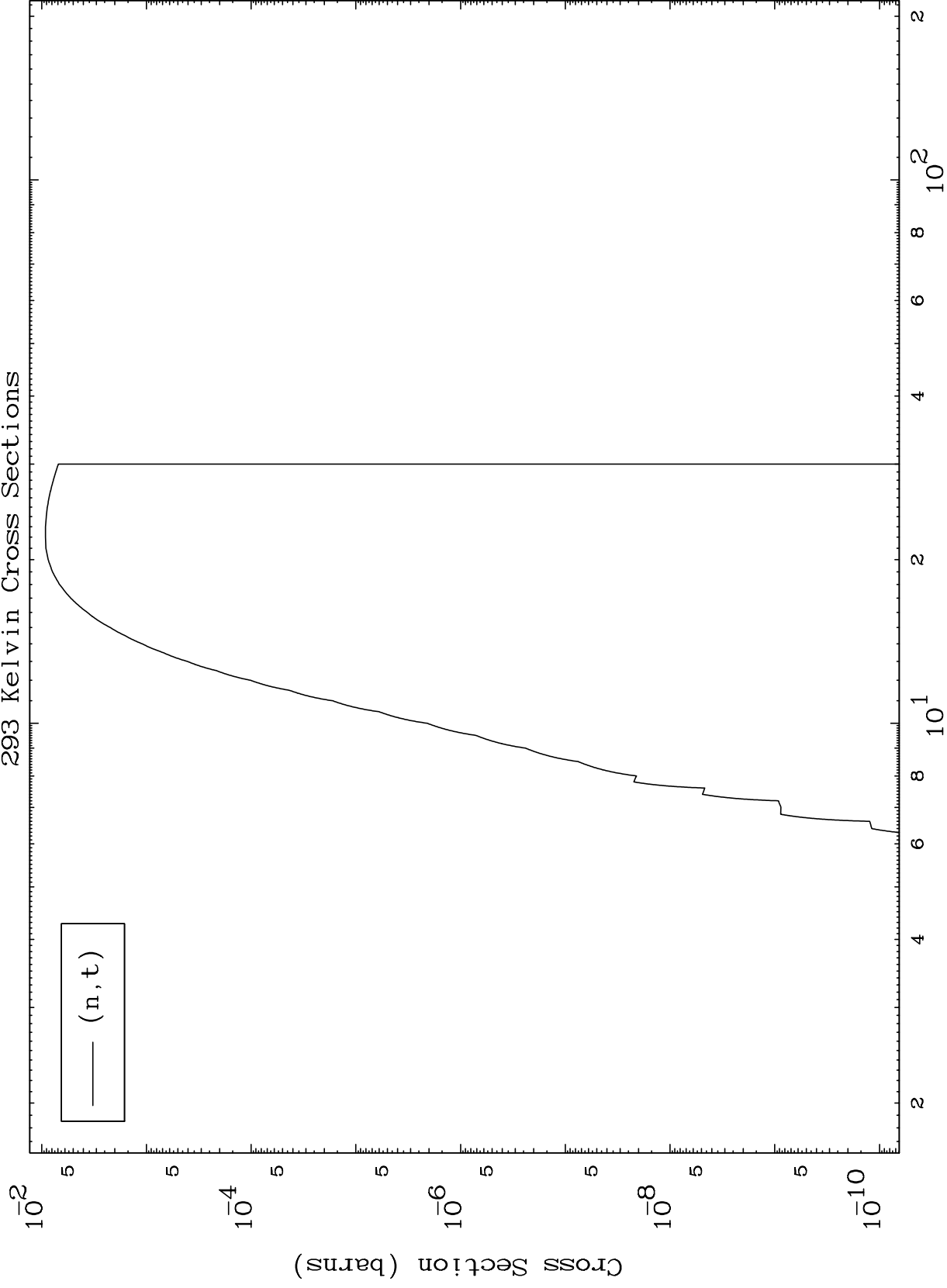
61-Pm-128



MAT 6092

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-128



12

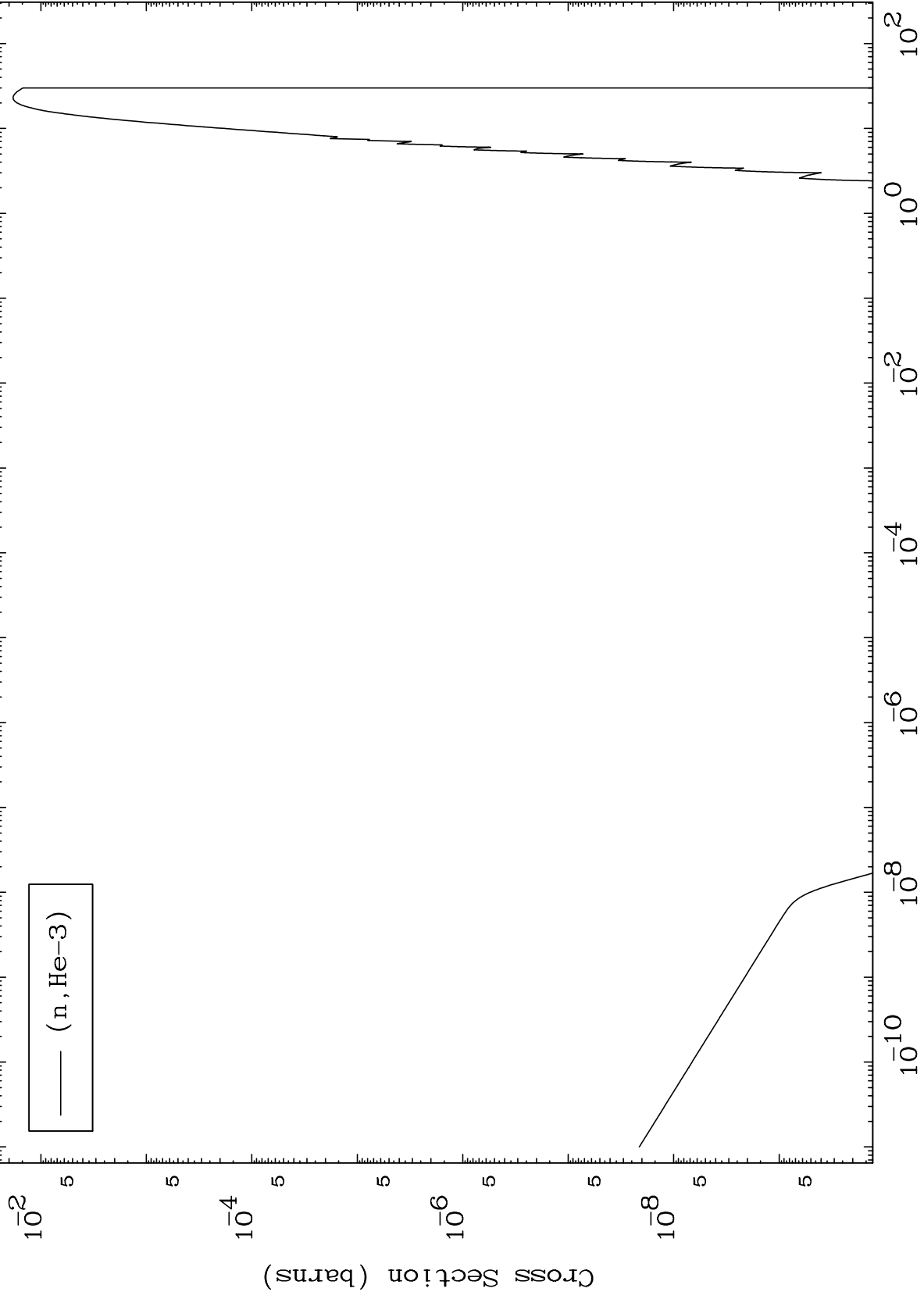
Incident Energy (MeV)

61-Pm-128

MAT 6092

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-128



13

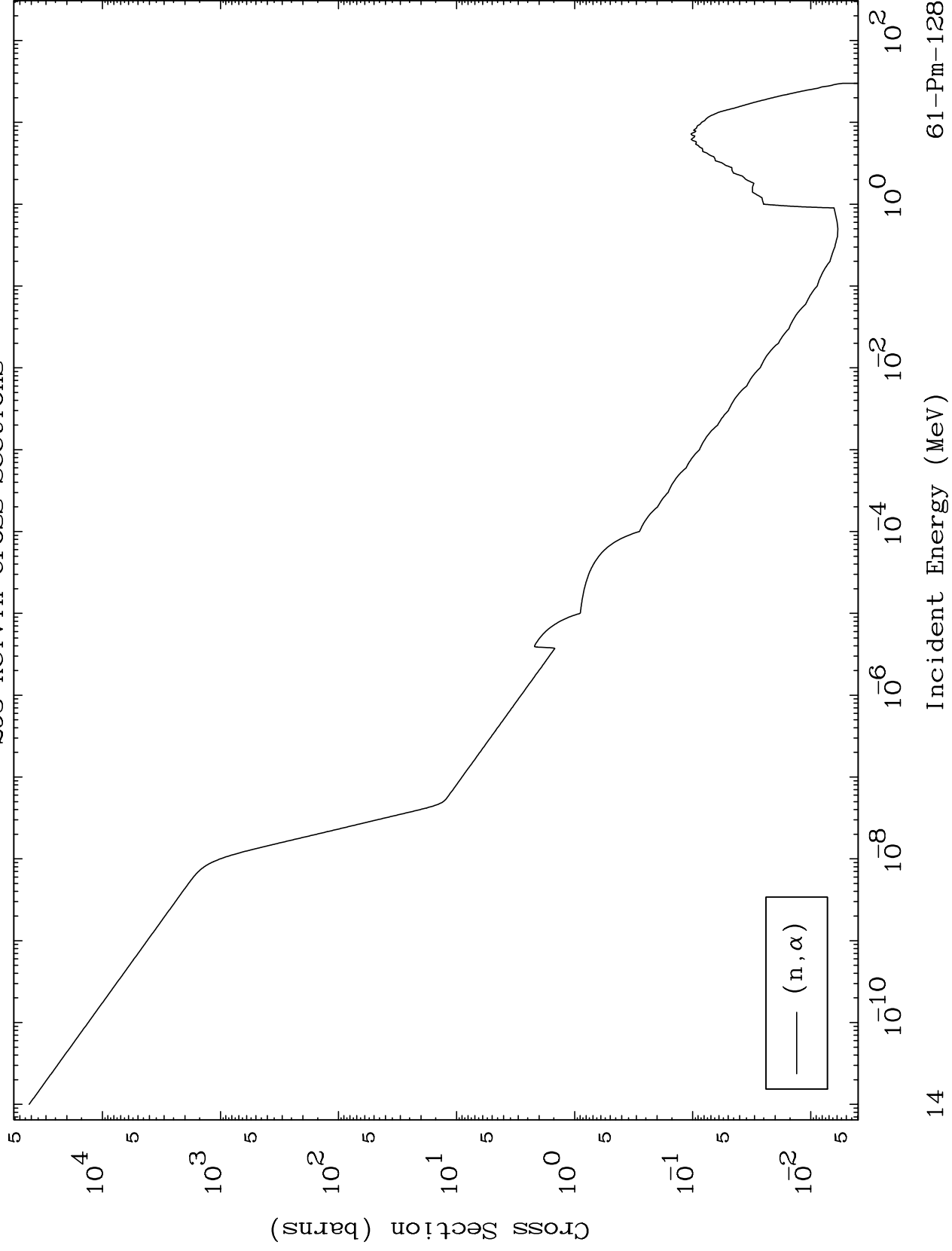
Incident Energy (MeV)

61-Pm-128

MAT 6092

(n,α) Levels
293 Kelvin Cross Sections

61-Pm-128



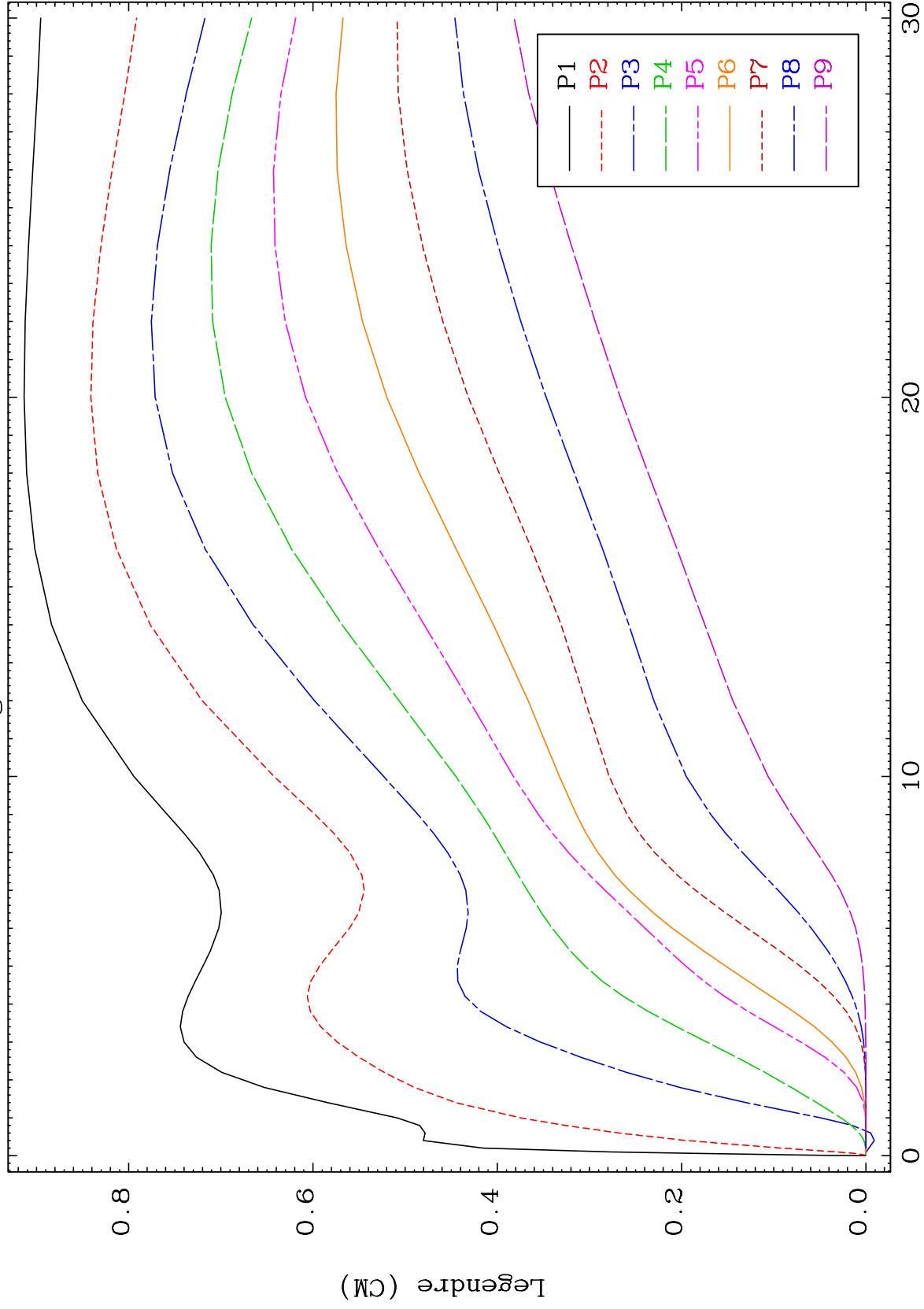
14

61-Pm-128

MAT 6092

Elastic Legendre Coefficients

61-Pm-128



15

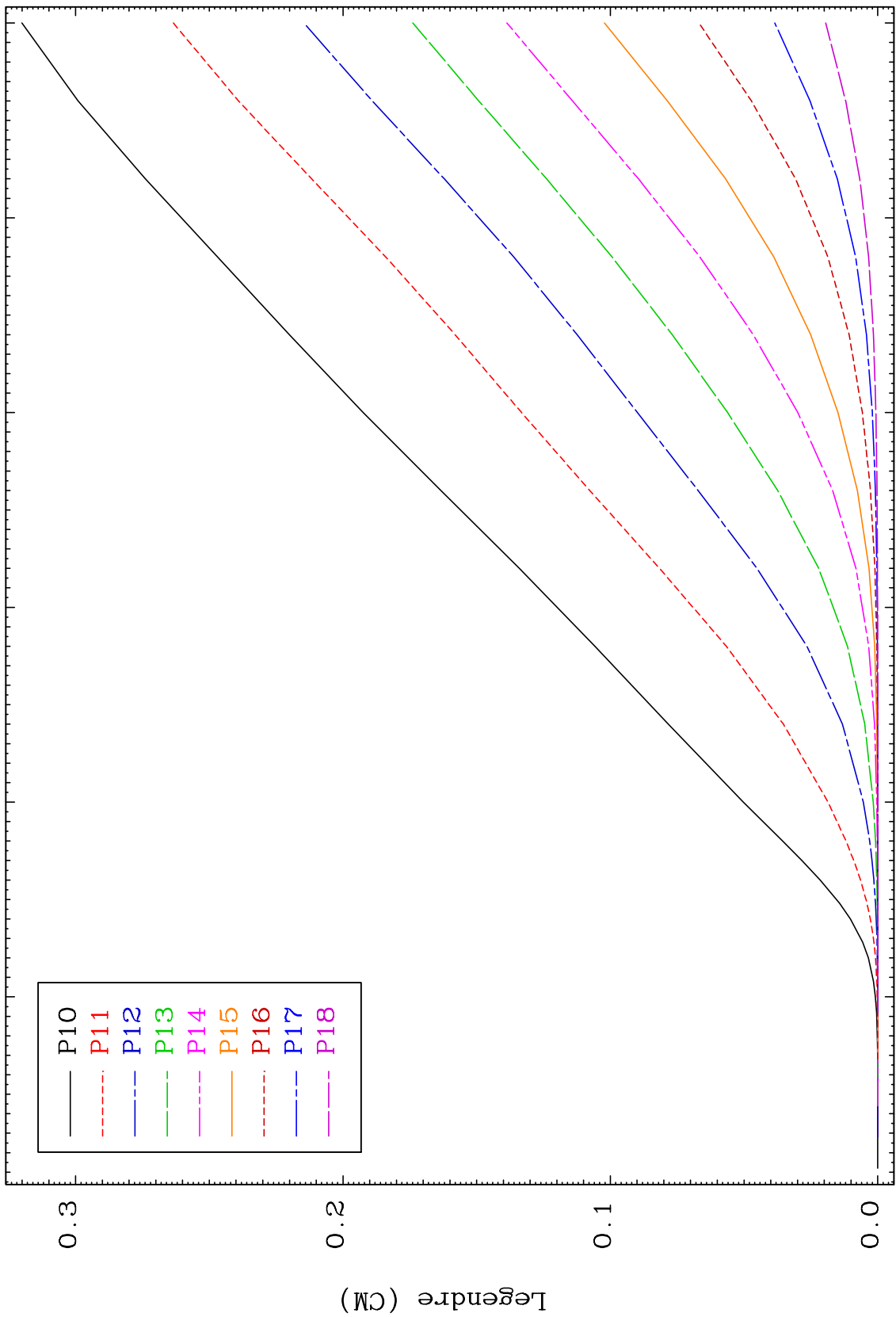
Incident Energy (MeV)

61-Pm-128

MAT 6092

Elastic Legendre Coefficients

61-Pm-128



16

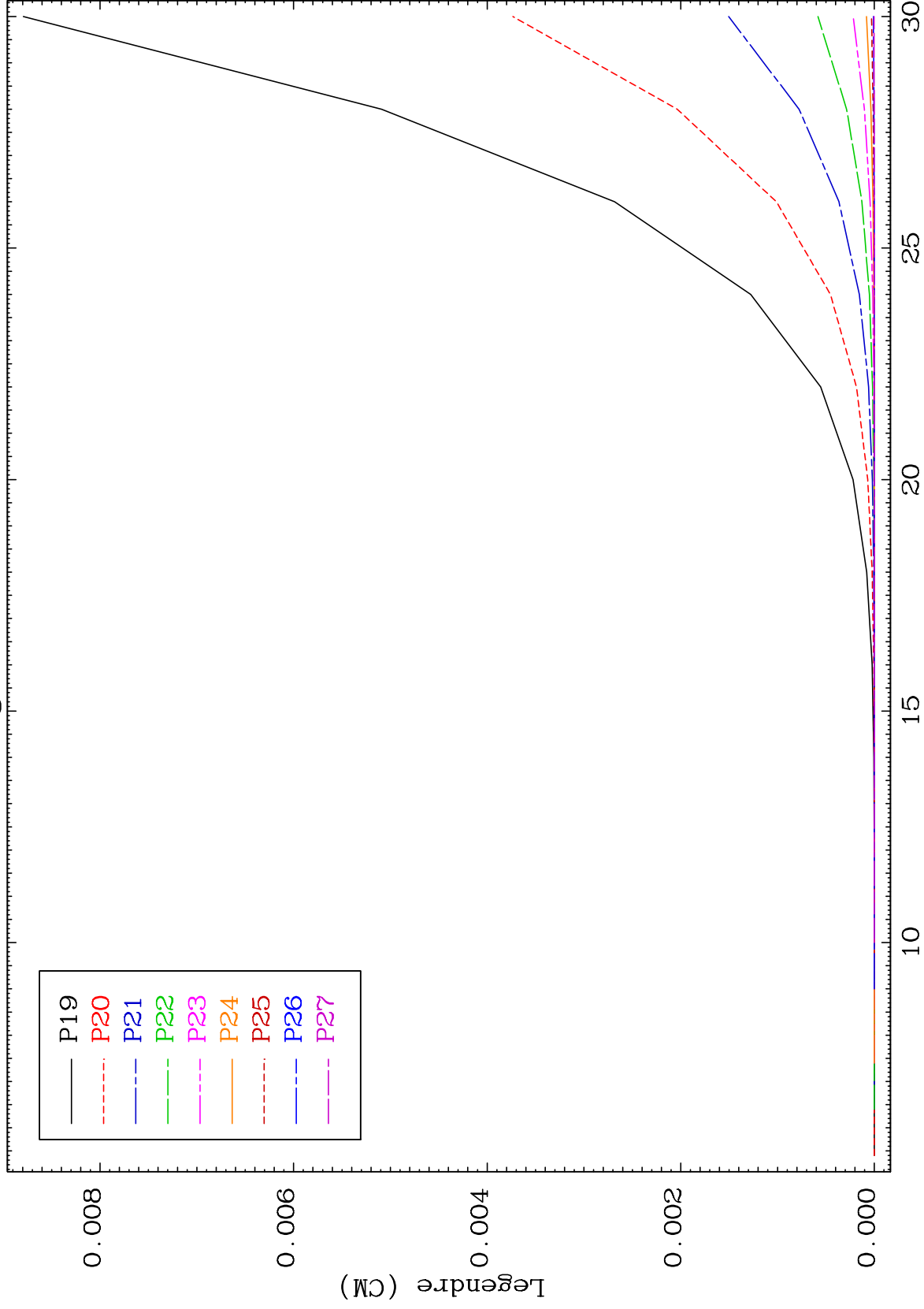
Incident Energy (MeV)

61-Pm-128

MAT 6092

Elastic Legendre Coefficients

61-Pm-128



17

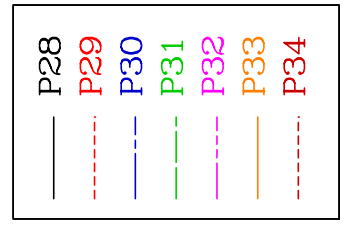
Incident Energy (MeV)

61-Pm-128

MAT 6092

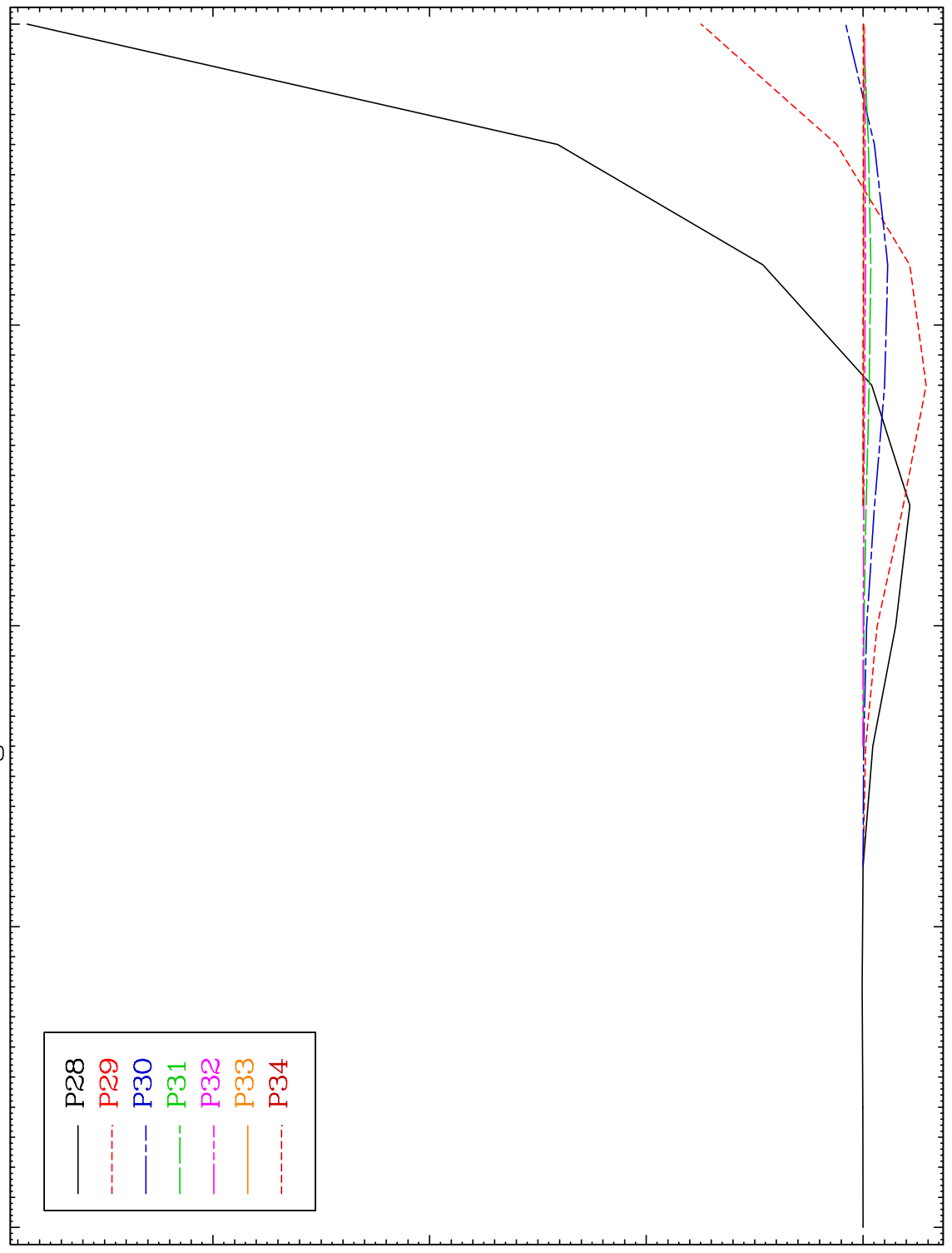
Elastic
Legendre Coefficients

61-Pm-128



$\times 10^{-7}$

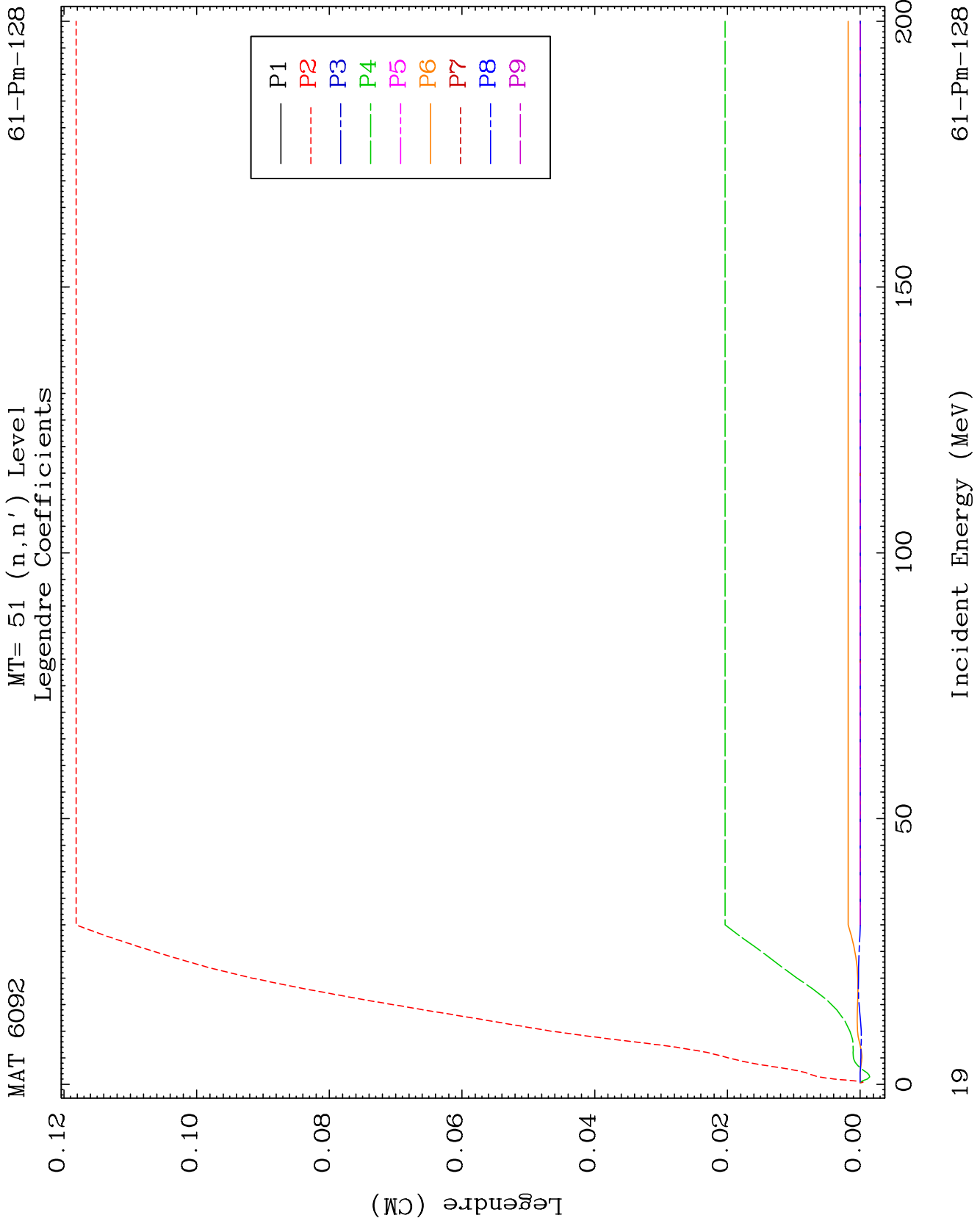
Legendre (CM)



18

Incident Energy (MeV)

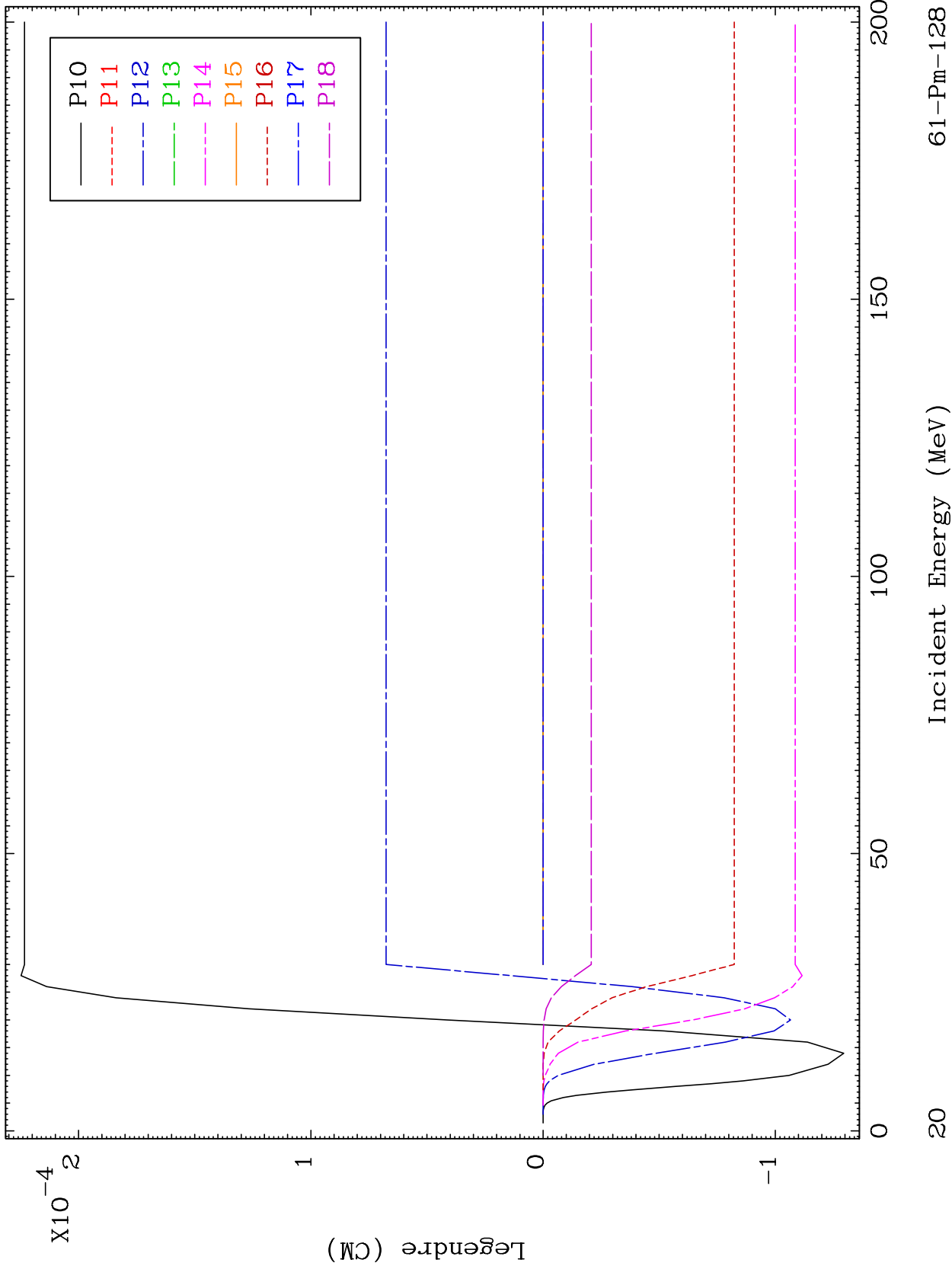
61-Pm-128



MAT 6092

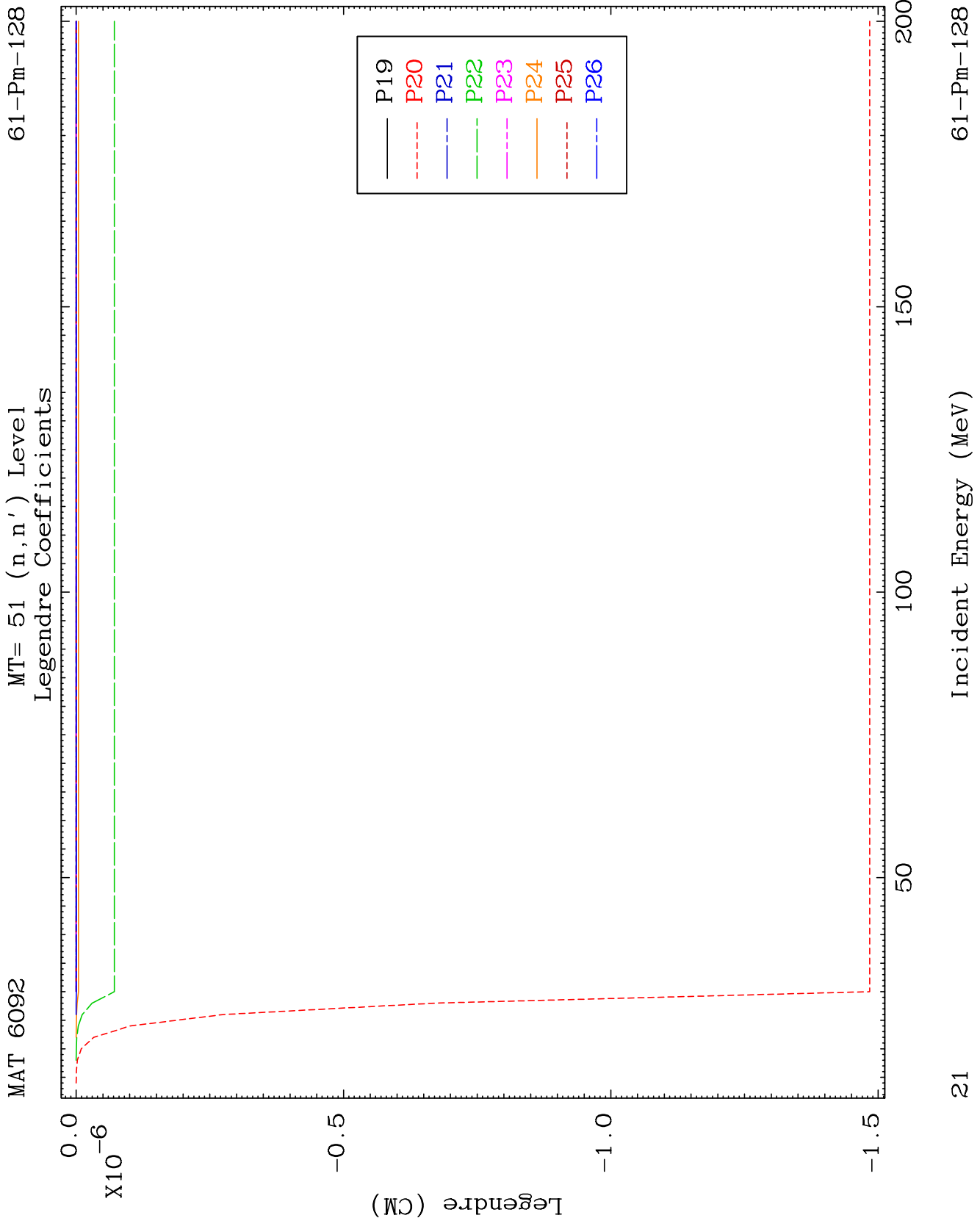
MT= 51 (n,n') Level
Legendre Coefficients

61-Pm-128



61-Pm-128

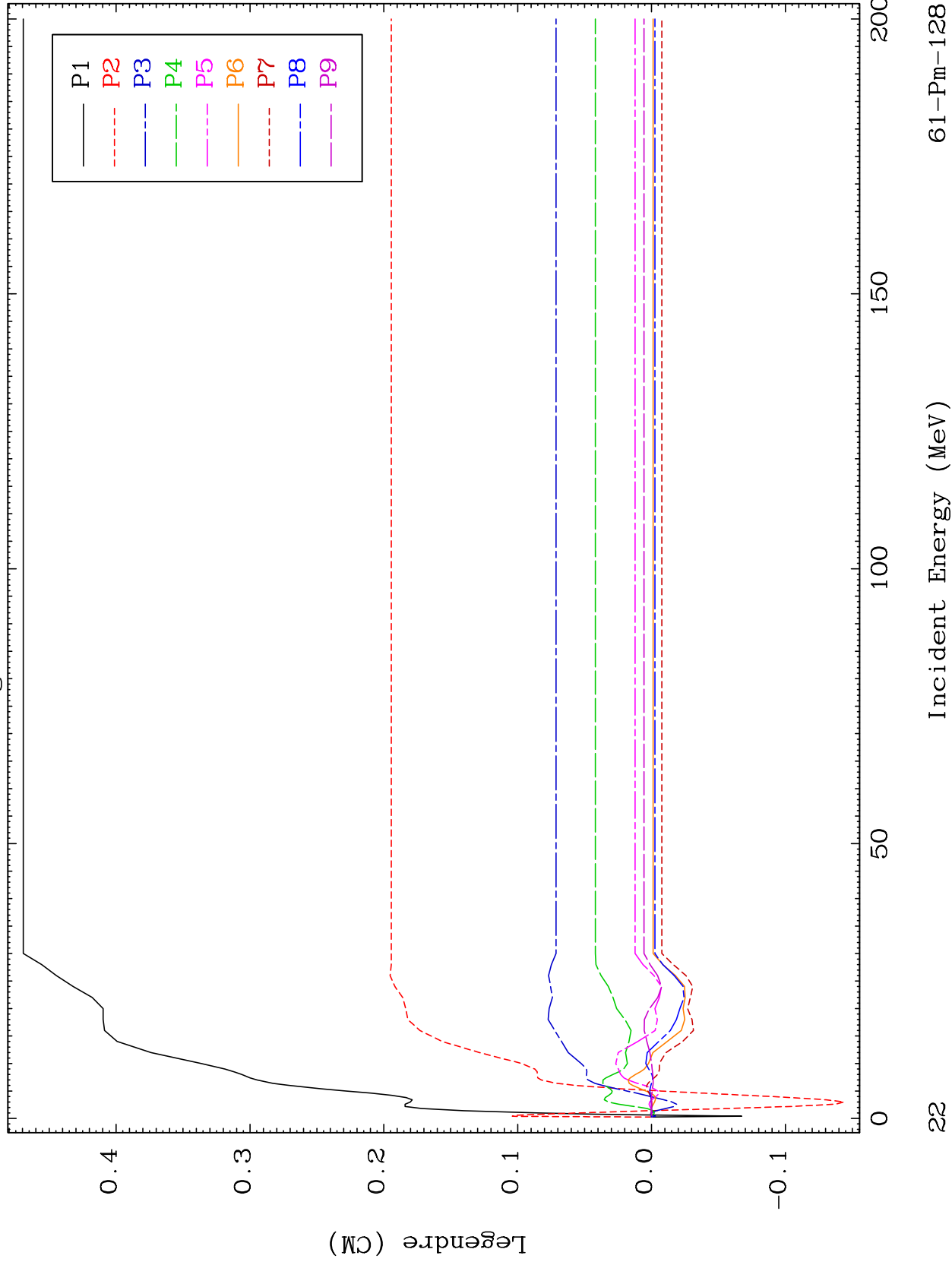
Incident Energy (MeV)



MAT 6092

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

61-Pm-128



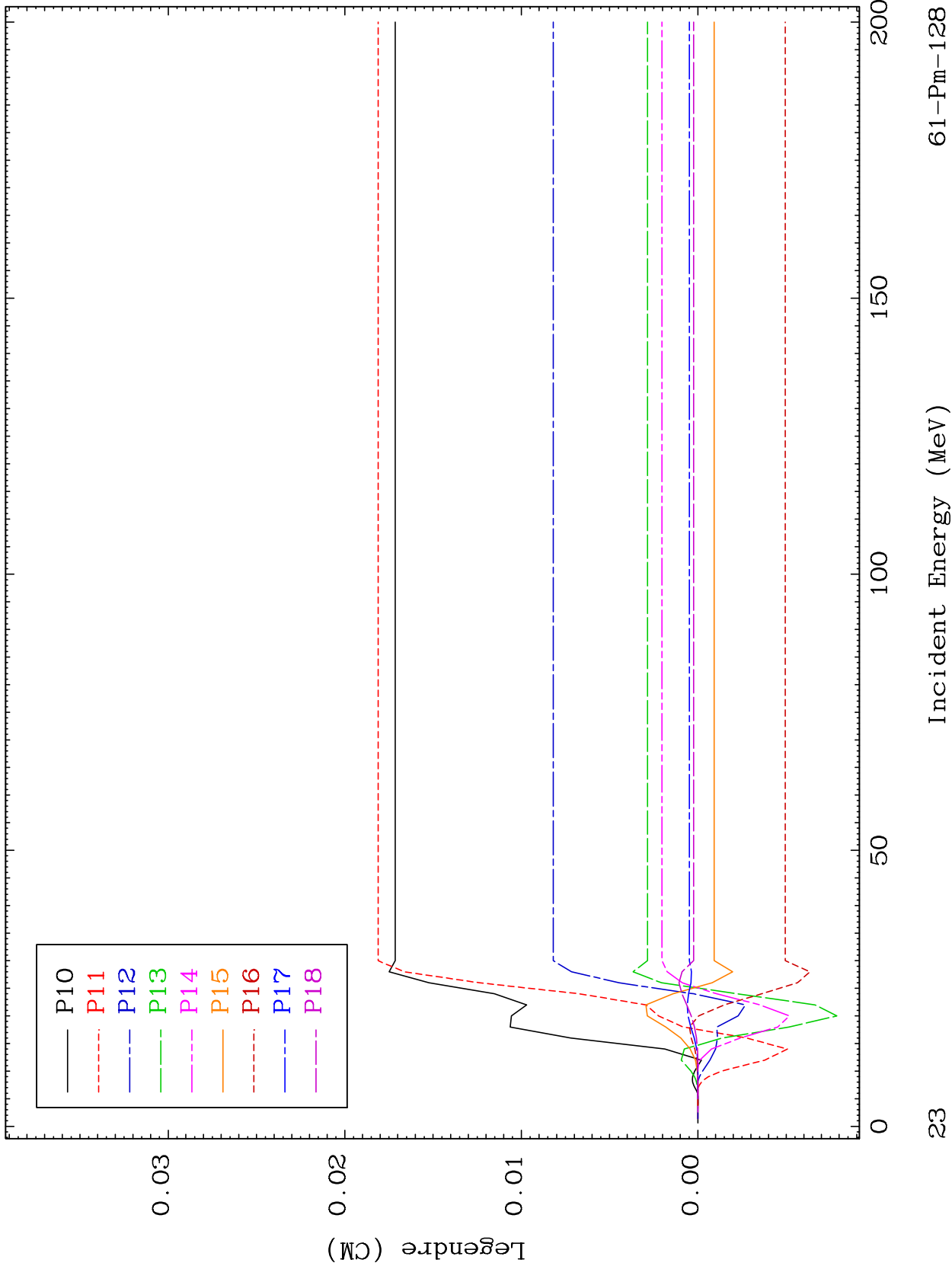
22

61-Pm-128

MAT 6092

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

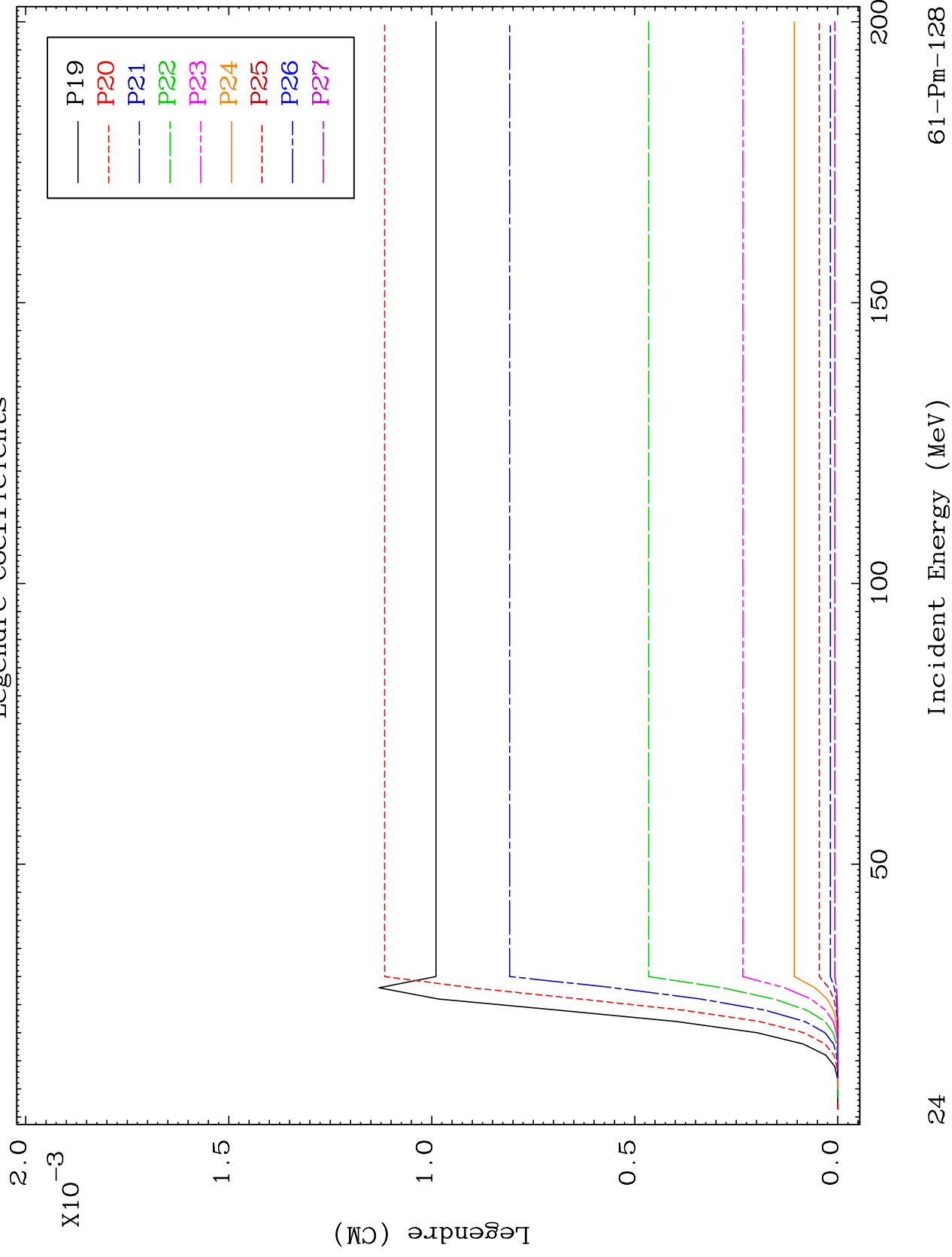
61-Pm-128



MAT 6092

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

61-Pm-128



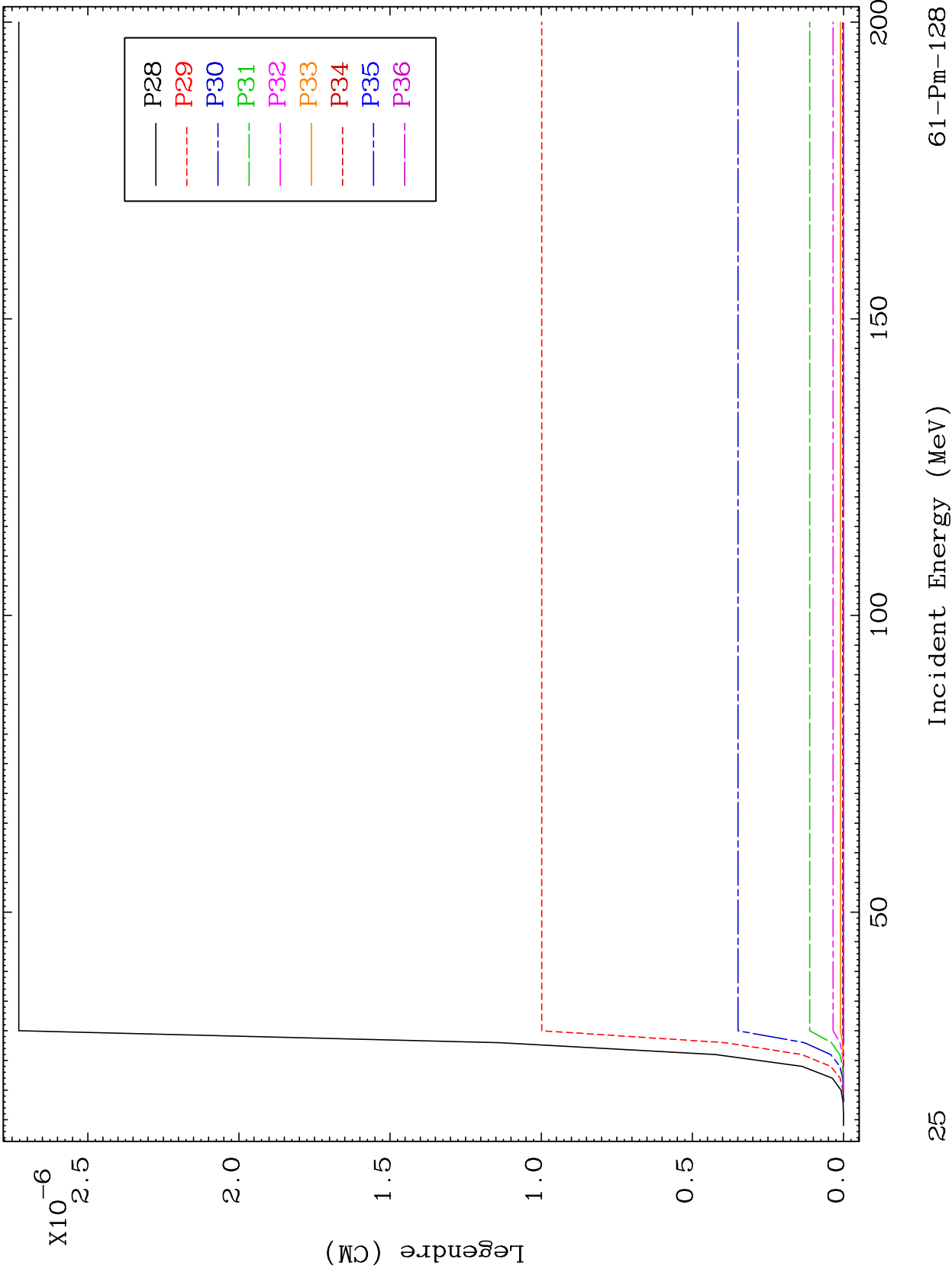
24

61-Pm-128

MAT 6092

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

61-Pm-128



25

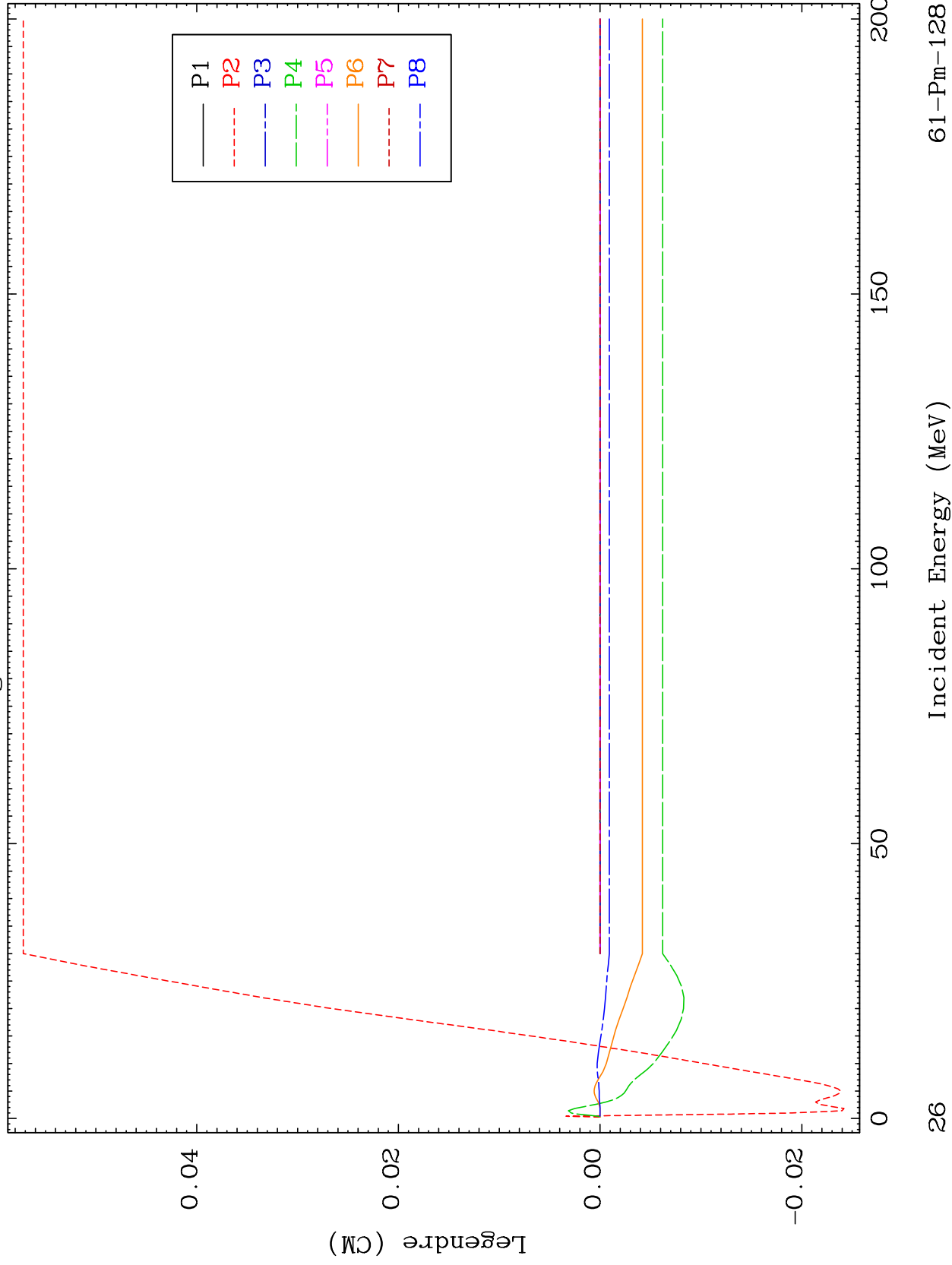
Incident Energy (MeV)

61-Pm-128

MAT 6092

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

61-Pm-128



61-Pm-128

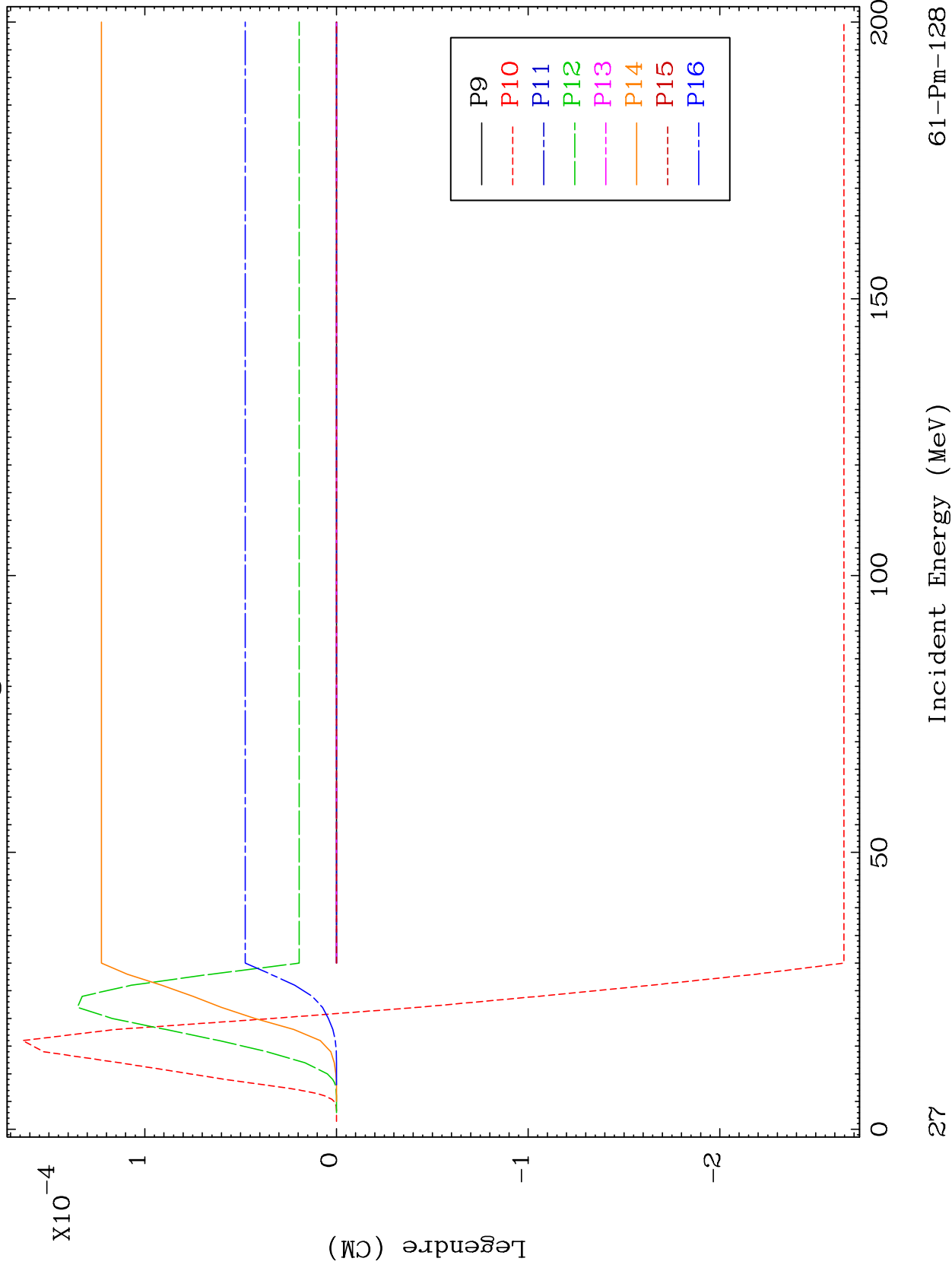
Incident Energy (MeV)

26

MAT 6092

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

61-Pm-128



27

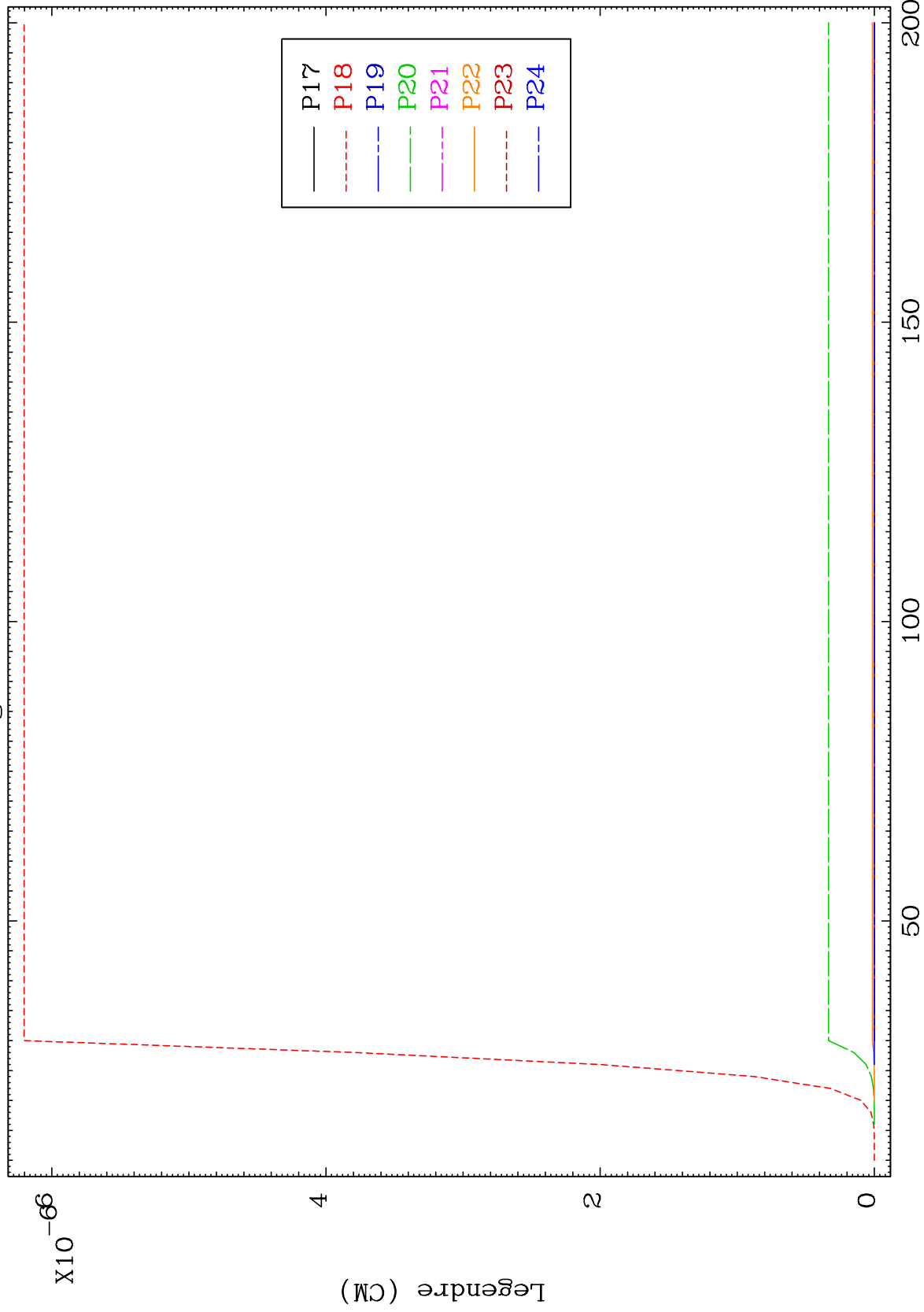
Incident Energy (MeV)

61-Pm-128

MAT 6092

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

61-Pm-128



28

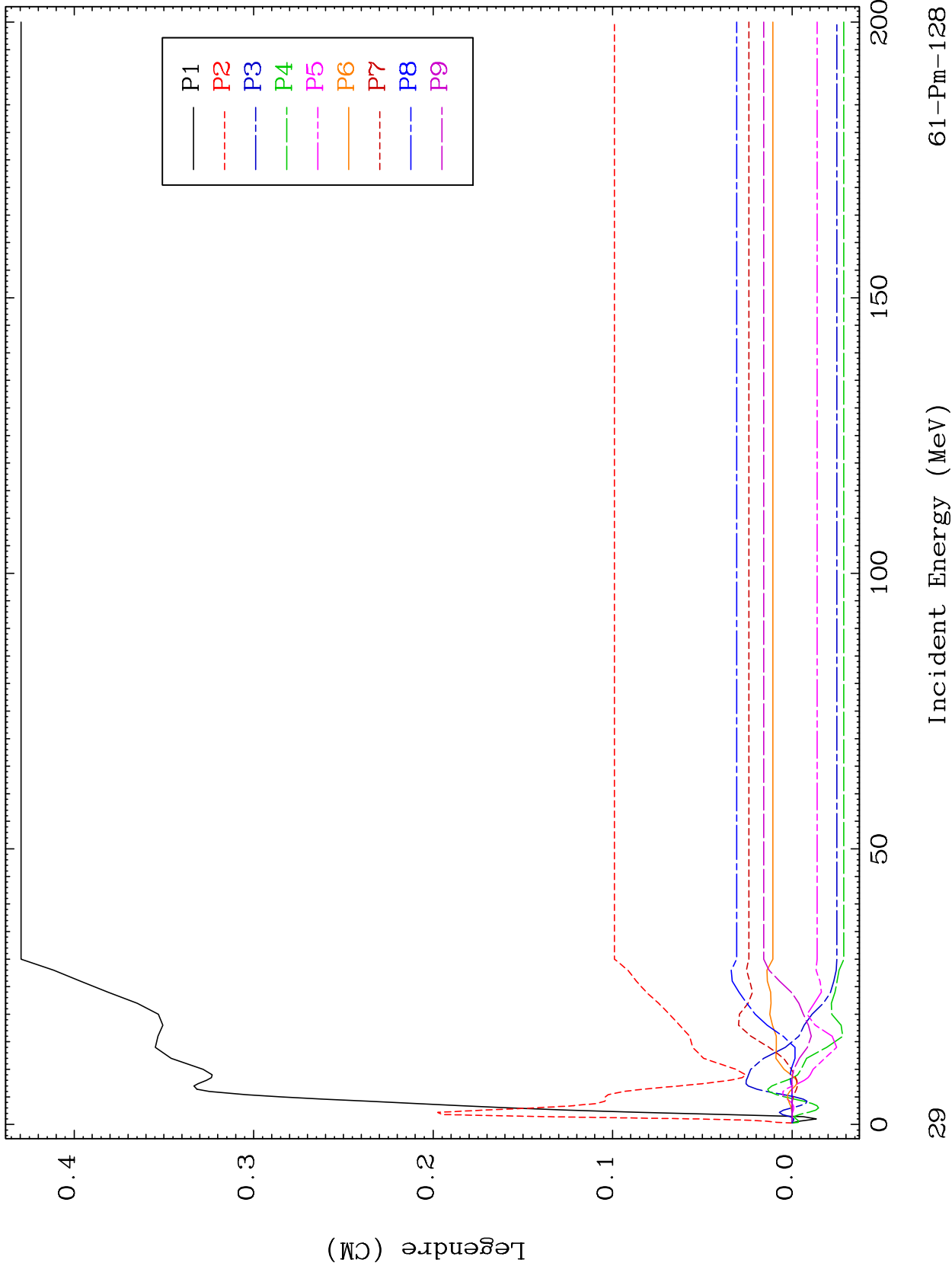
Incident Energy (MeV)

61-Pm-128

MAT 6092

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

61-Pm-128



29

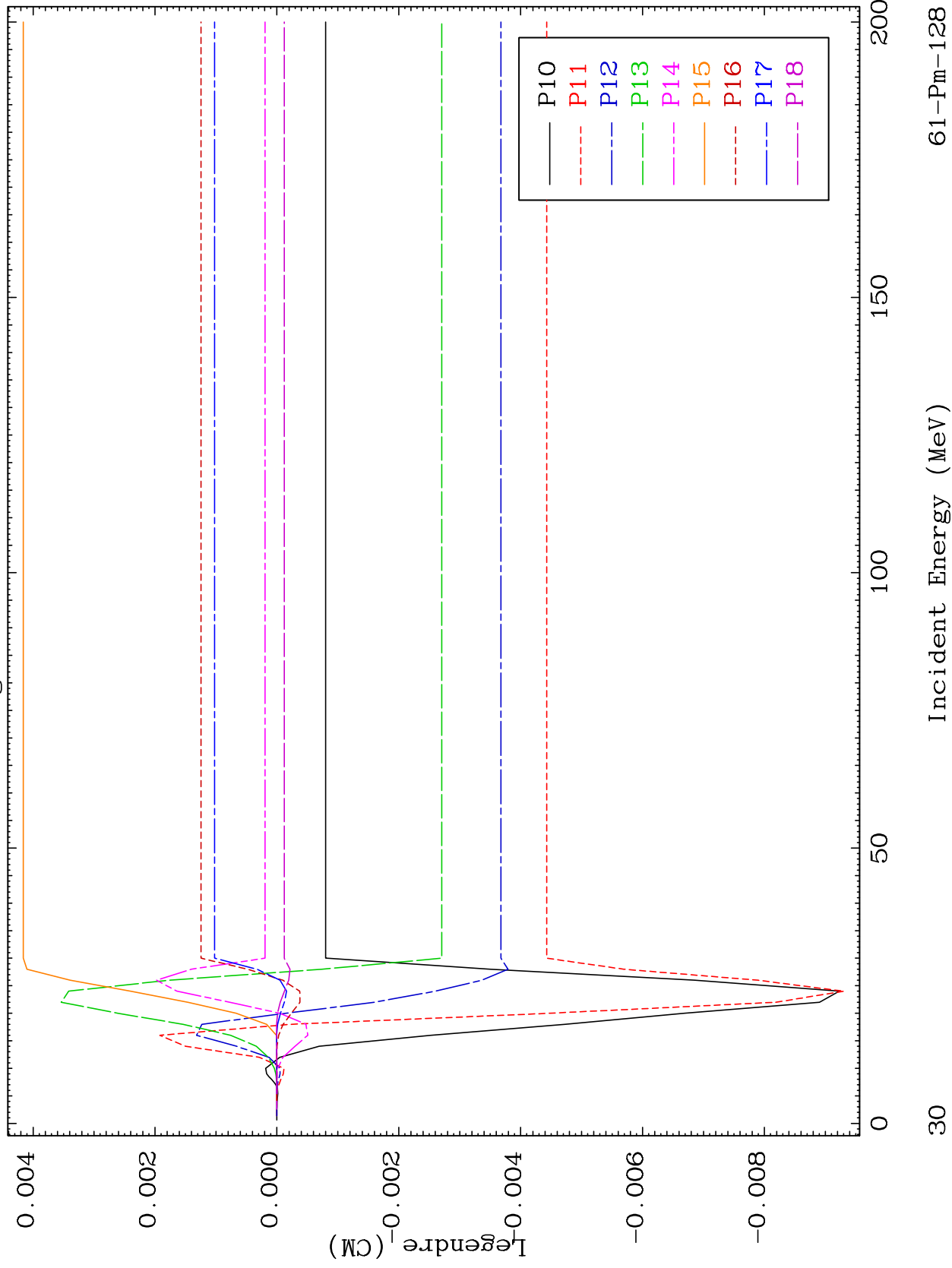
Incident Energy (MeV)

61-Pm-128

MAT 6092

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

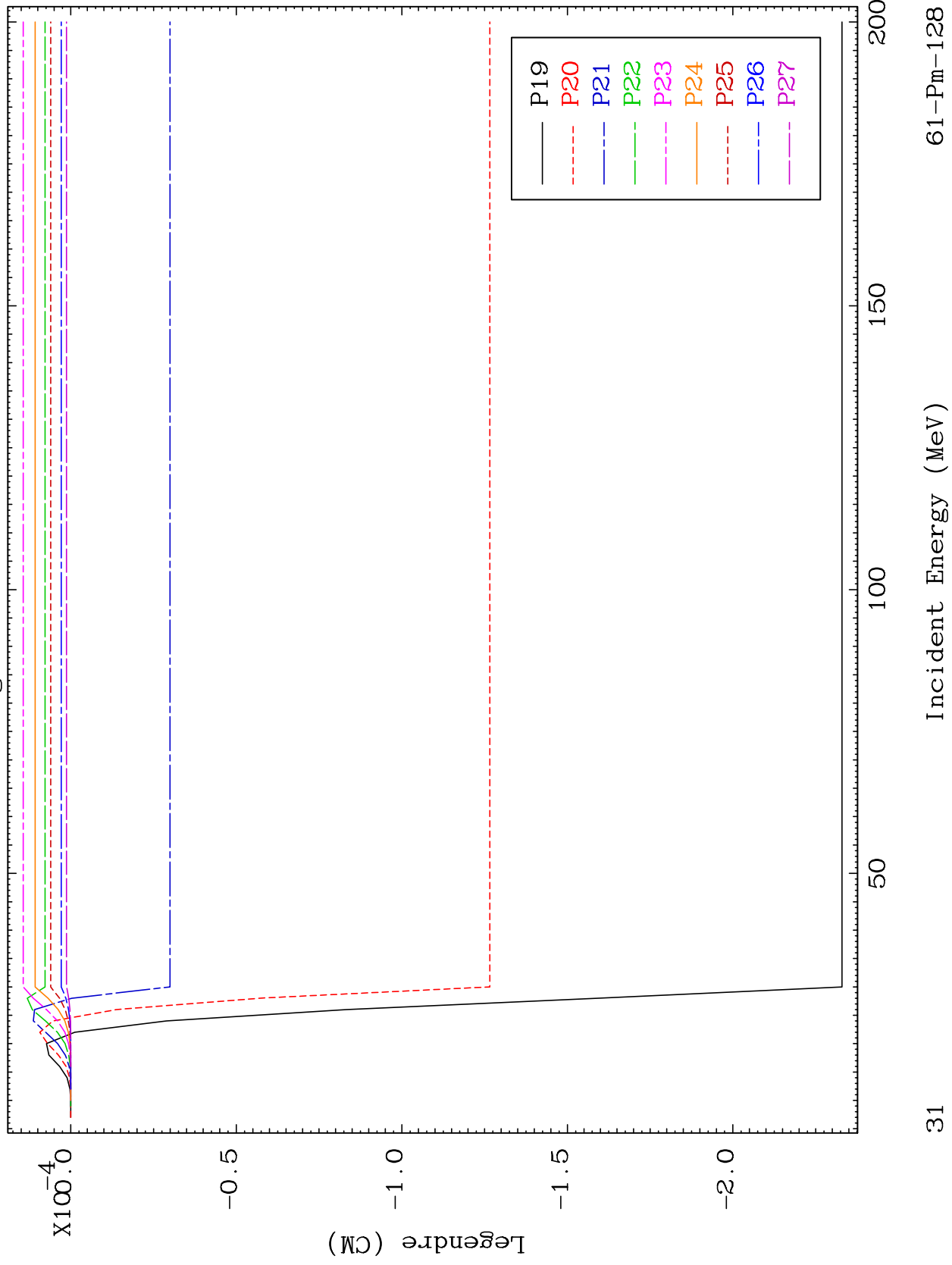
61-Pm-128



MAT 6092

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

61-Pm-128



31

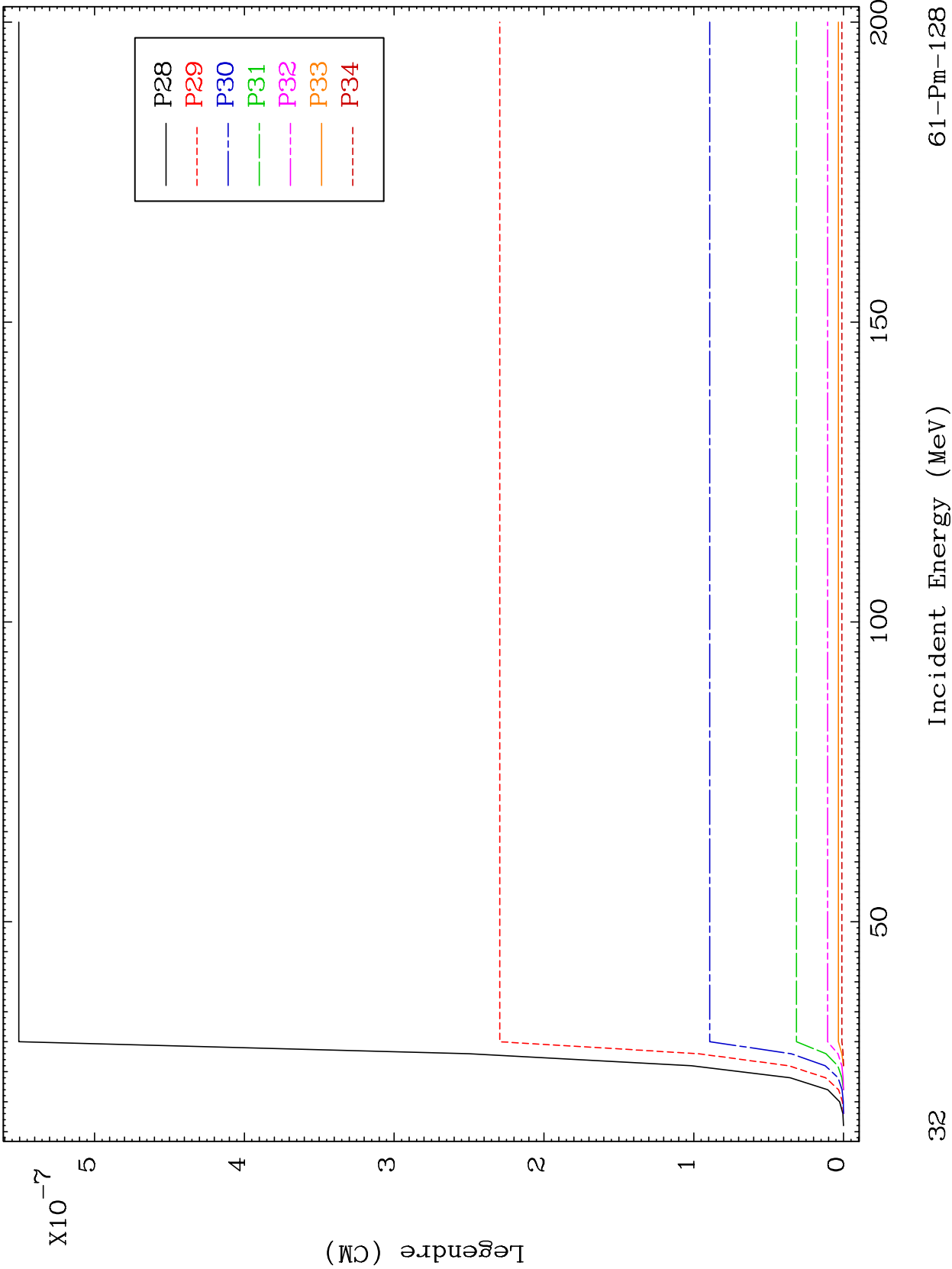
Incident Energy (MeV)

61-Pm-128

MAT 6092

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

61-Pm-128



32

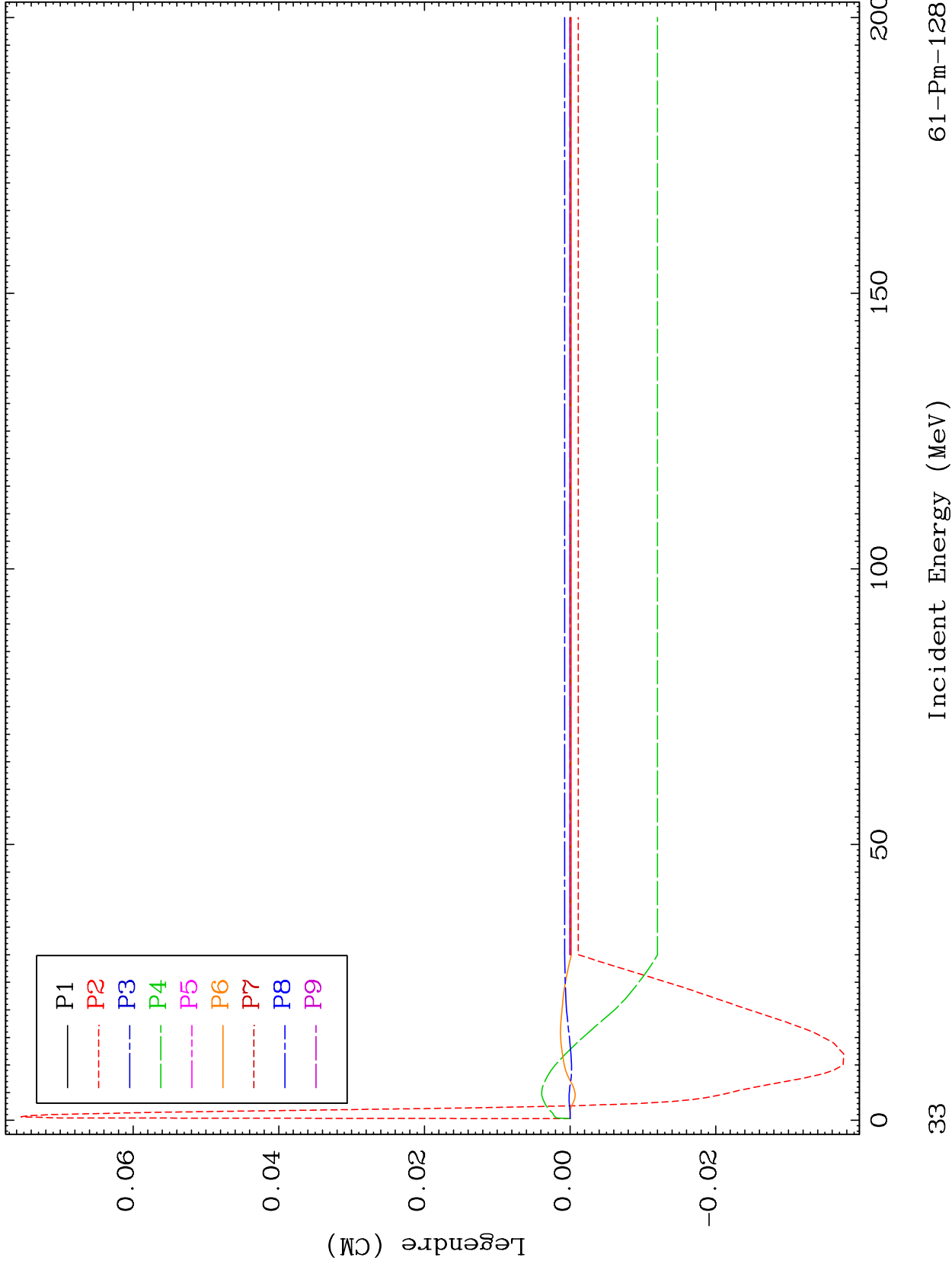
Incident Energy (MeV)

61-Pm-128

MAT 6092

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

61-Pm-128

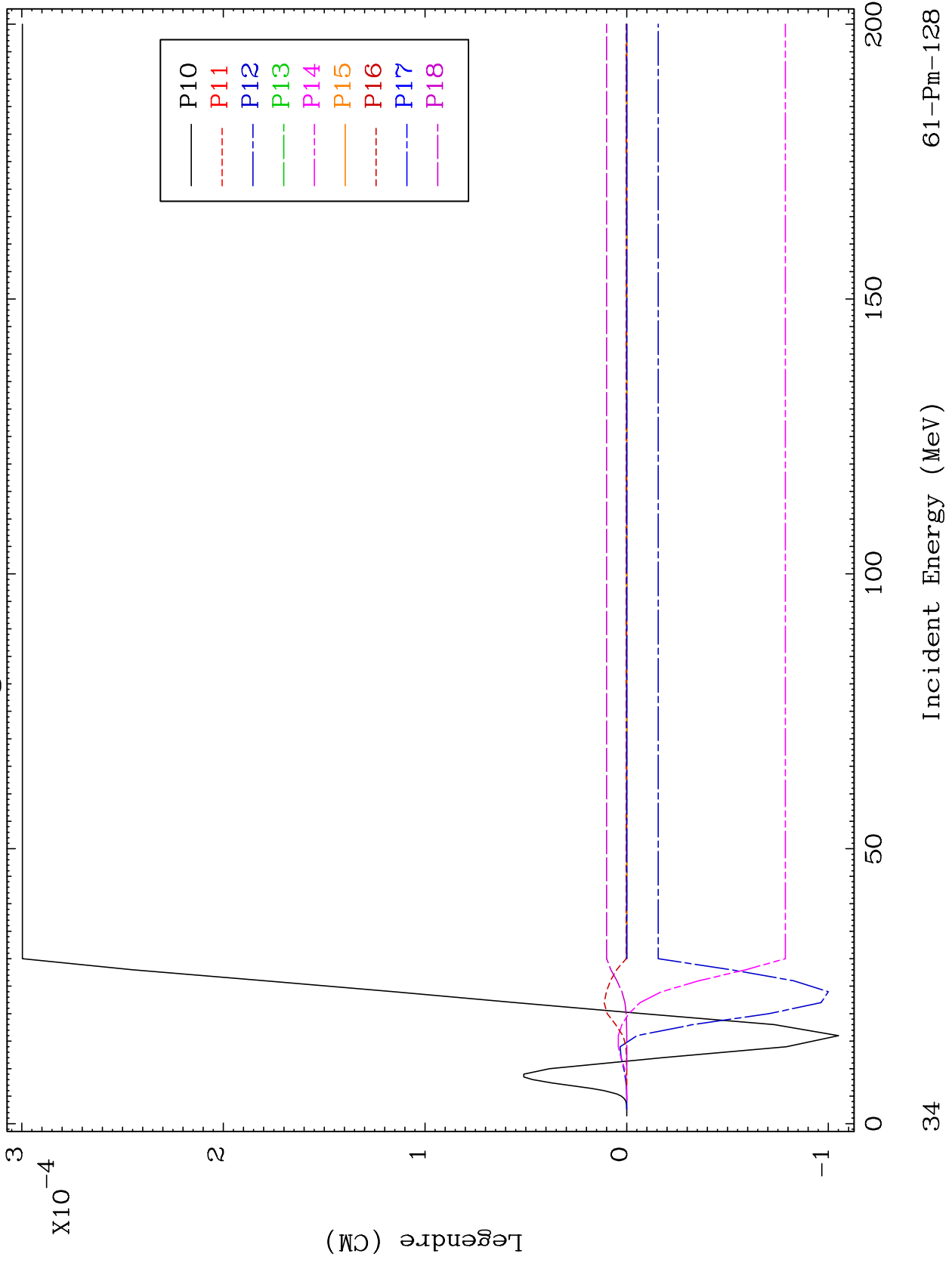


33

MAT 6092

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

61-Pm-128



34

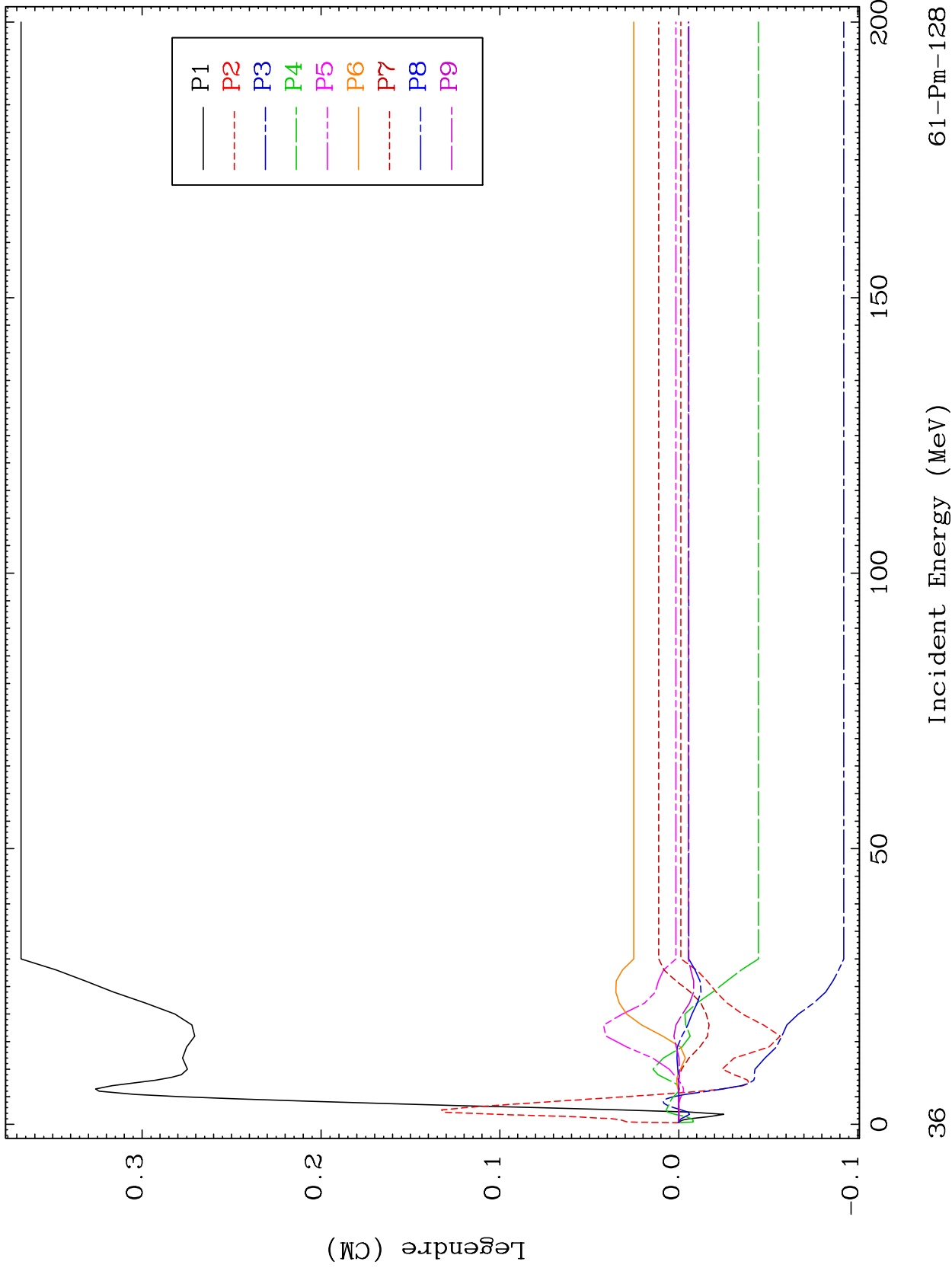
Incident Energy (MeV)

61-Pm-128

MAT 6092

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

61-Pm-128



61-Pm-128

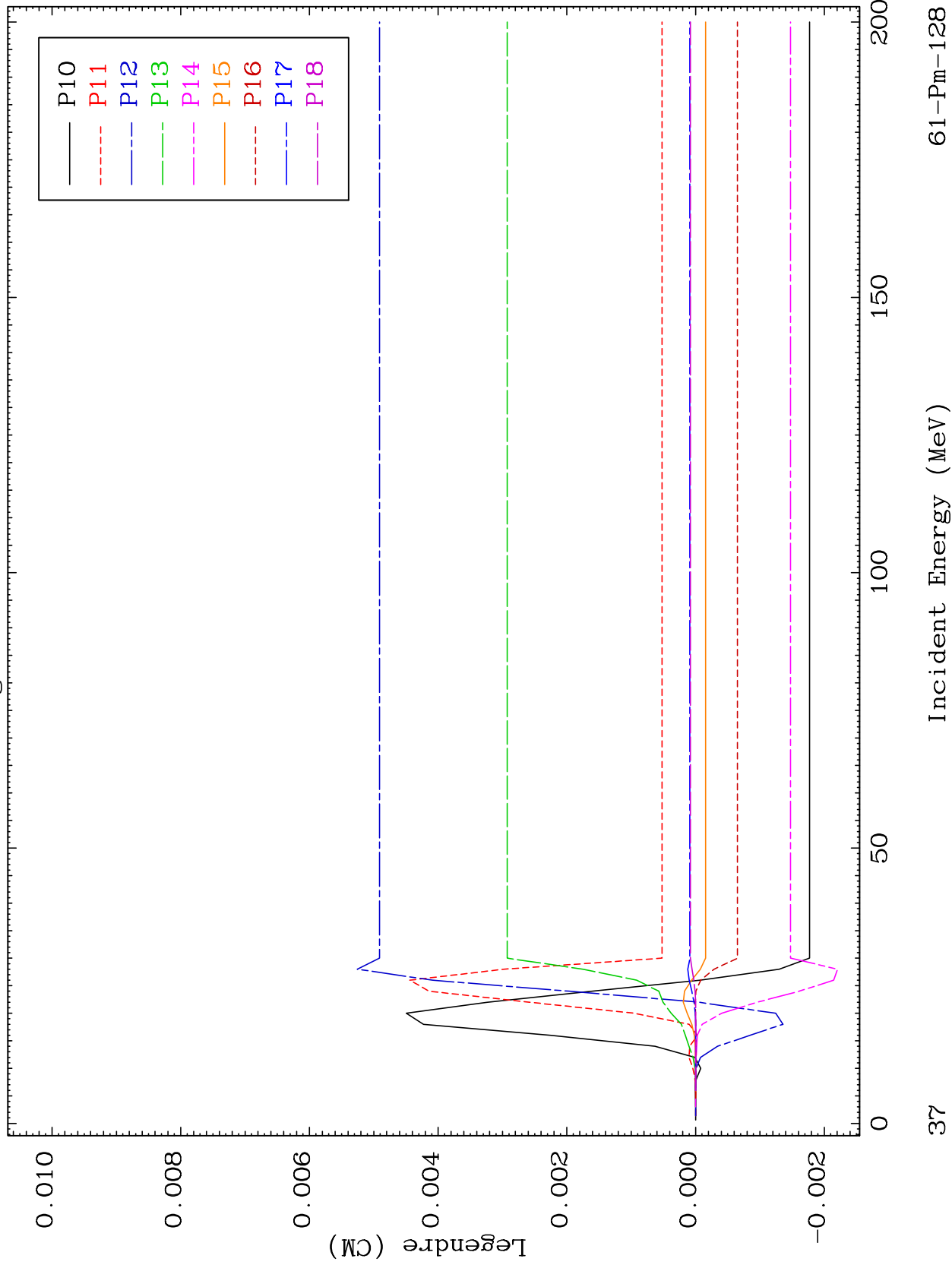
Incident Energy (MeV)

36

MAT 6092

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

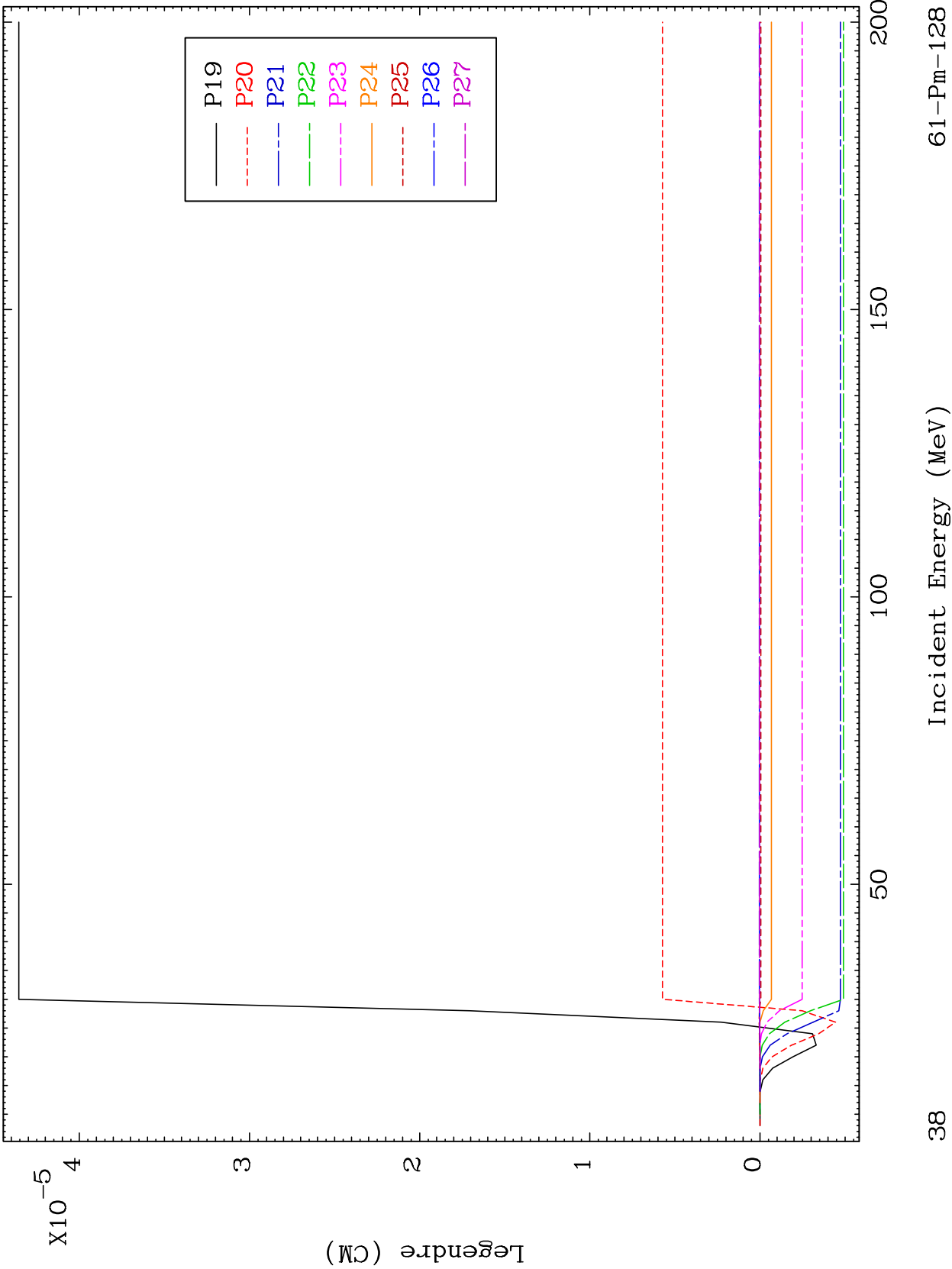
61-Pm-128



MAT 6092

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

61-Pm-128



38

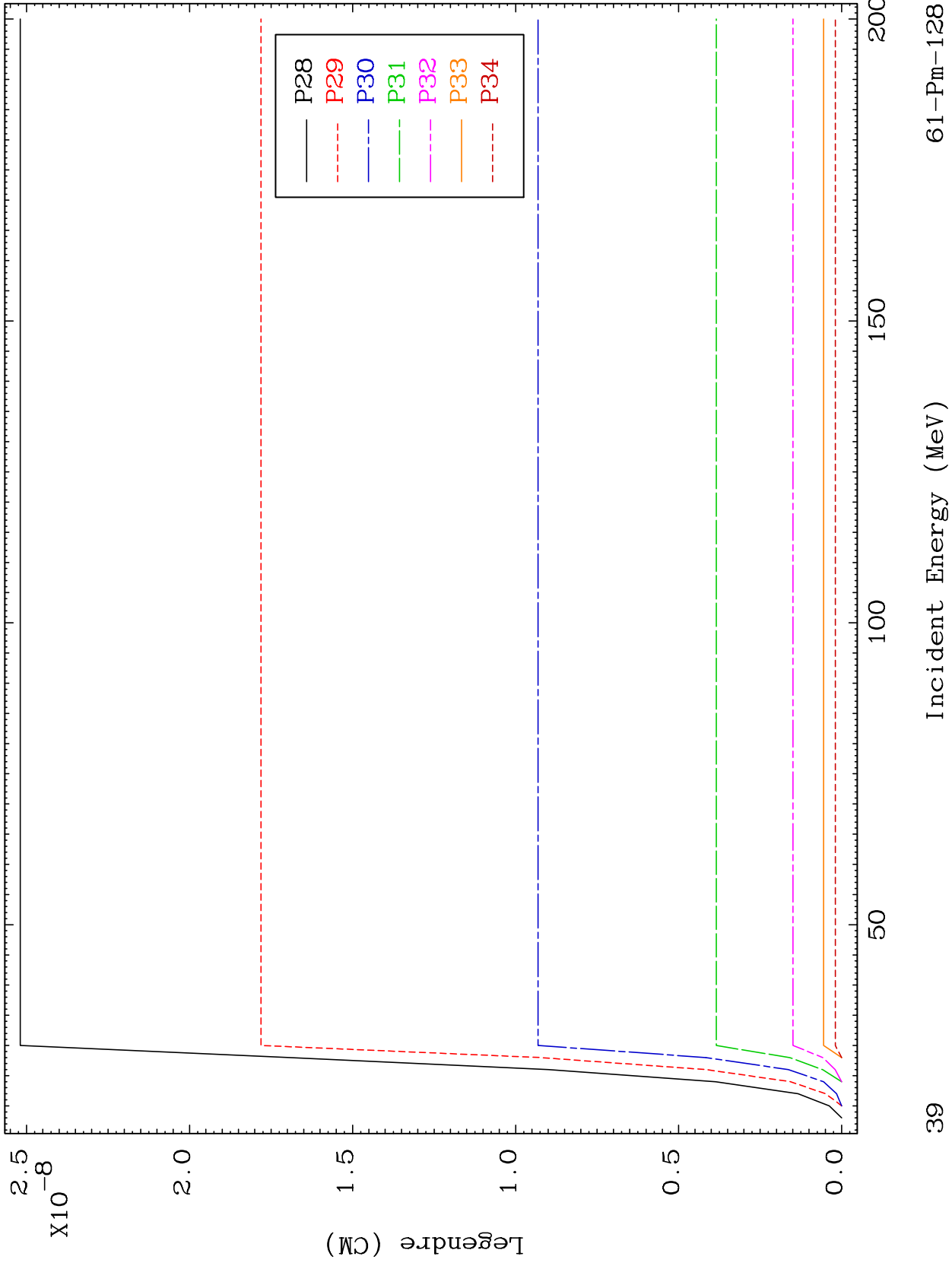
Incident Energy (MeV)

61-Pm-128

MAT 6092

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

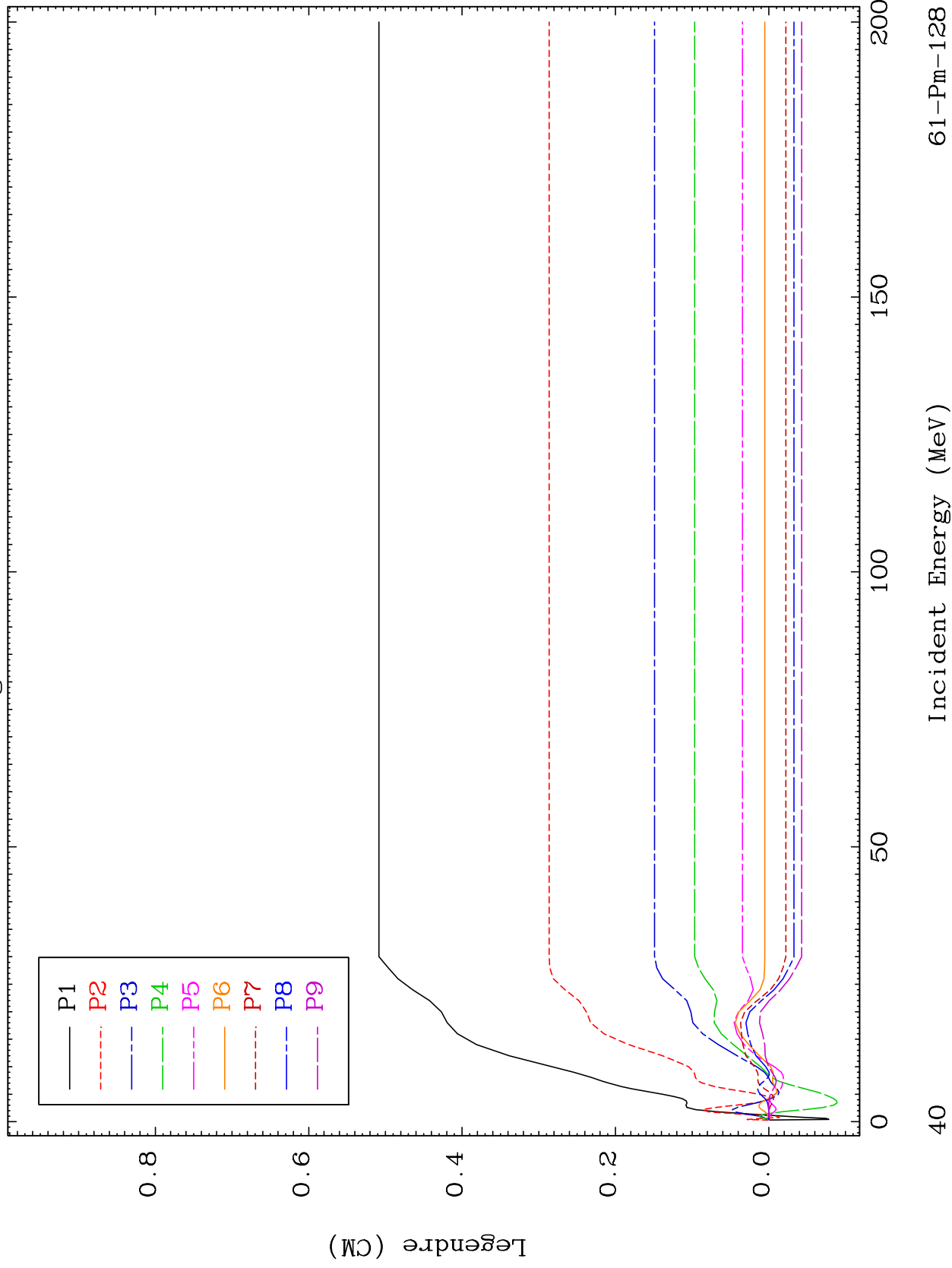
61-Pm-128



MAT 6092

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

61-Pm-128



61-Pm-128

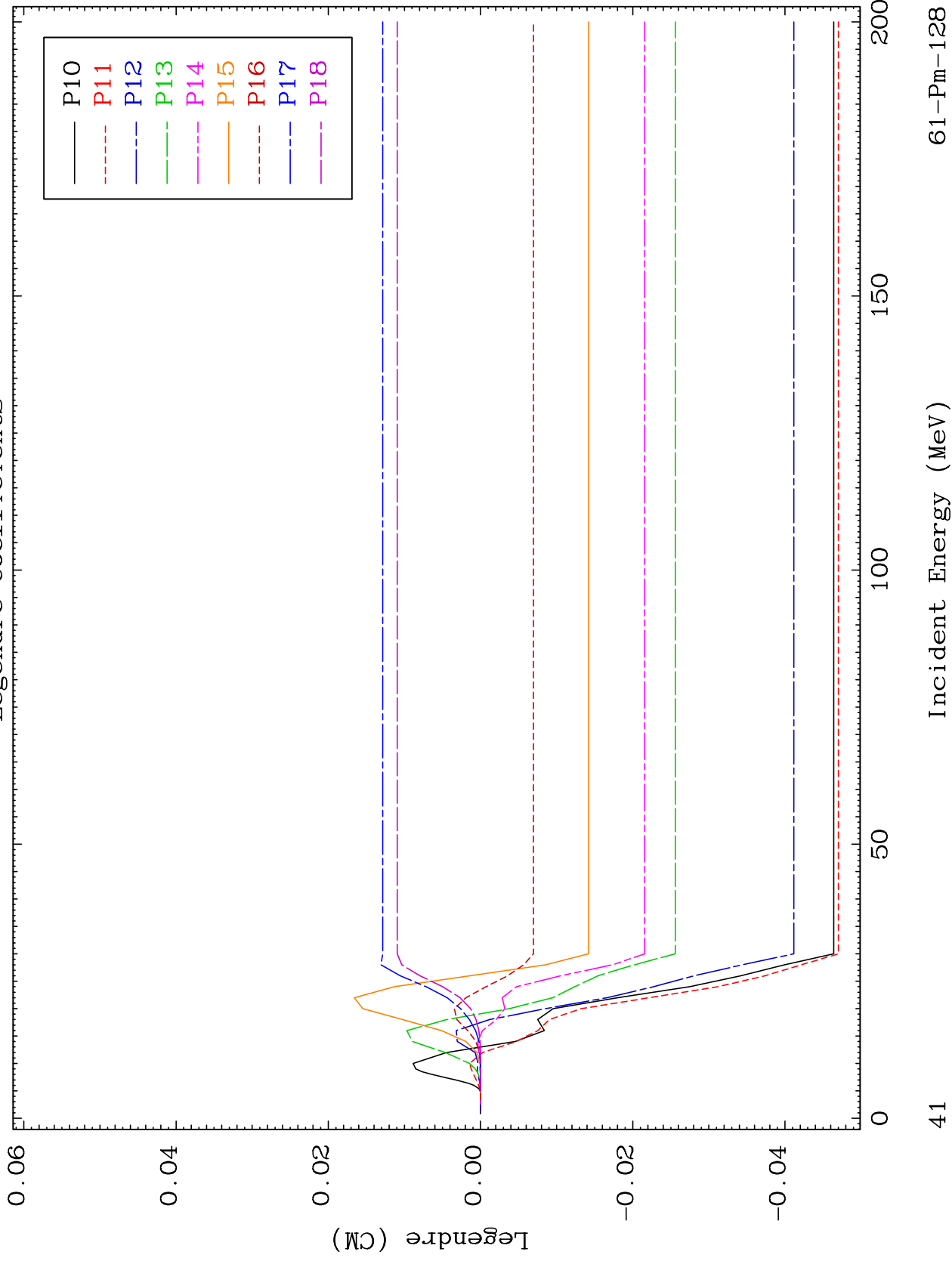
Incident Energy (MeV)

40

MAT 6092

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

61-Pm-128



41

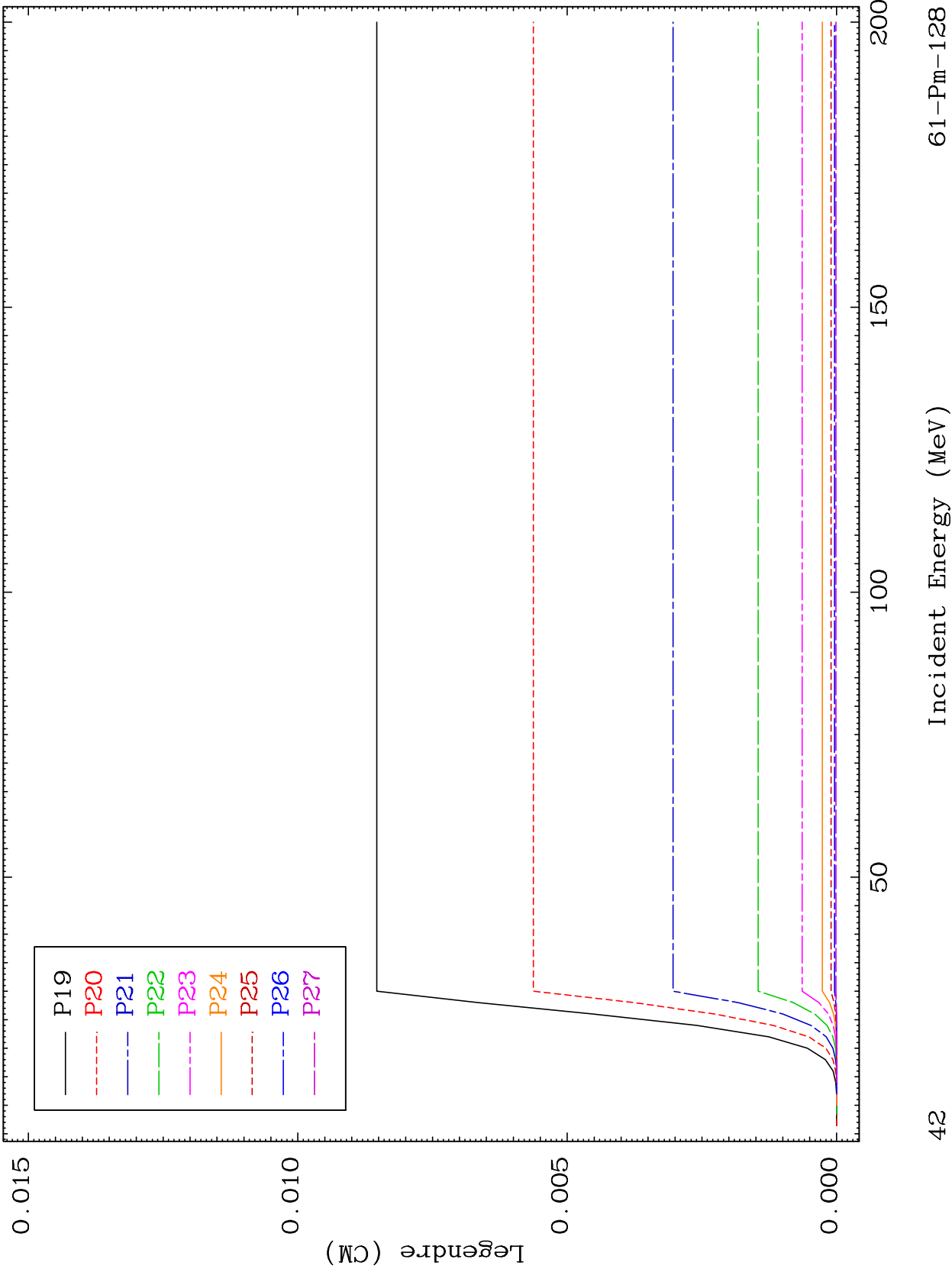
Incident Energy (MeV)

61-Pm-128

MAT 6092

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

61-Pm-128



42

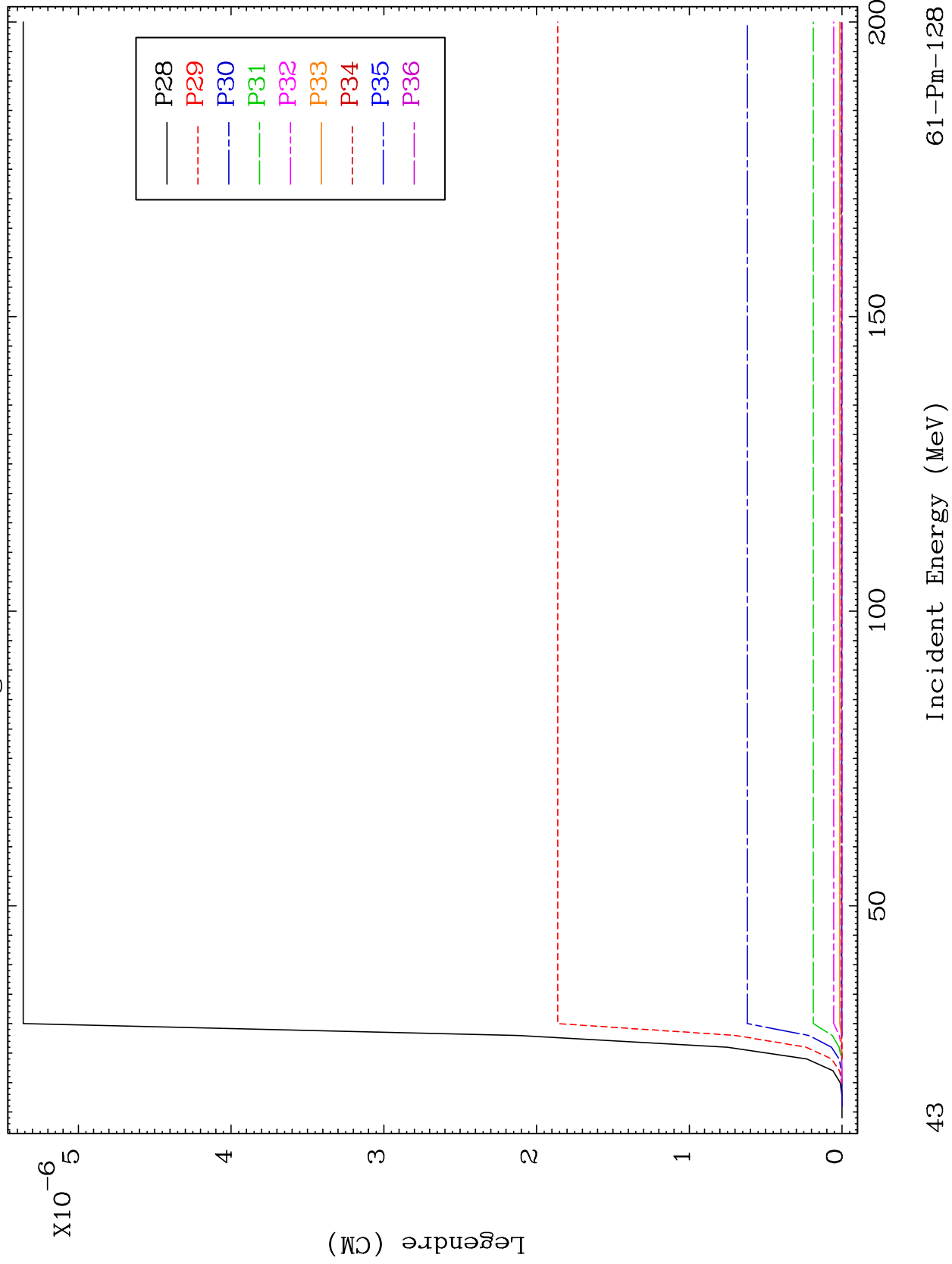
Incident Energy (MeV)

61-Pm-128

MAT 6092

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

61-Pm-128



43

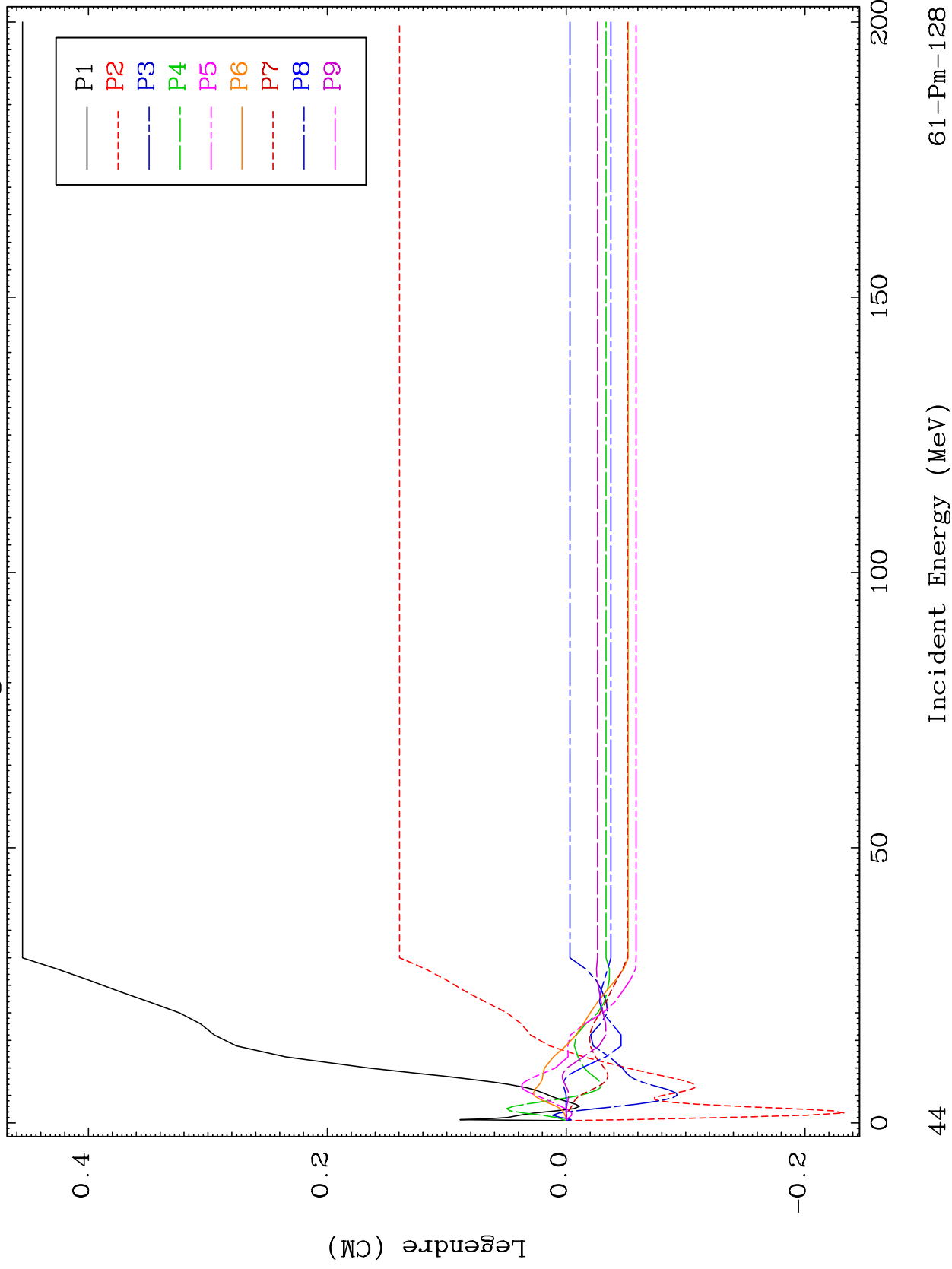
Incident Energy (MeV)

61-Pm-128

MAT 6092

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

61-Pm-128



61-Pm-128

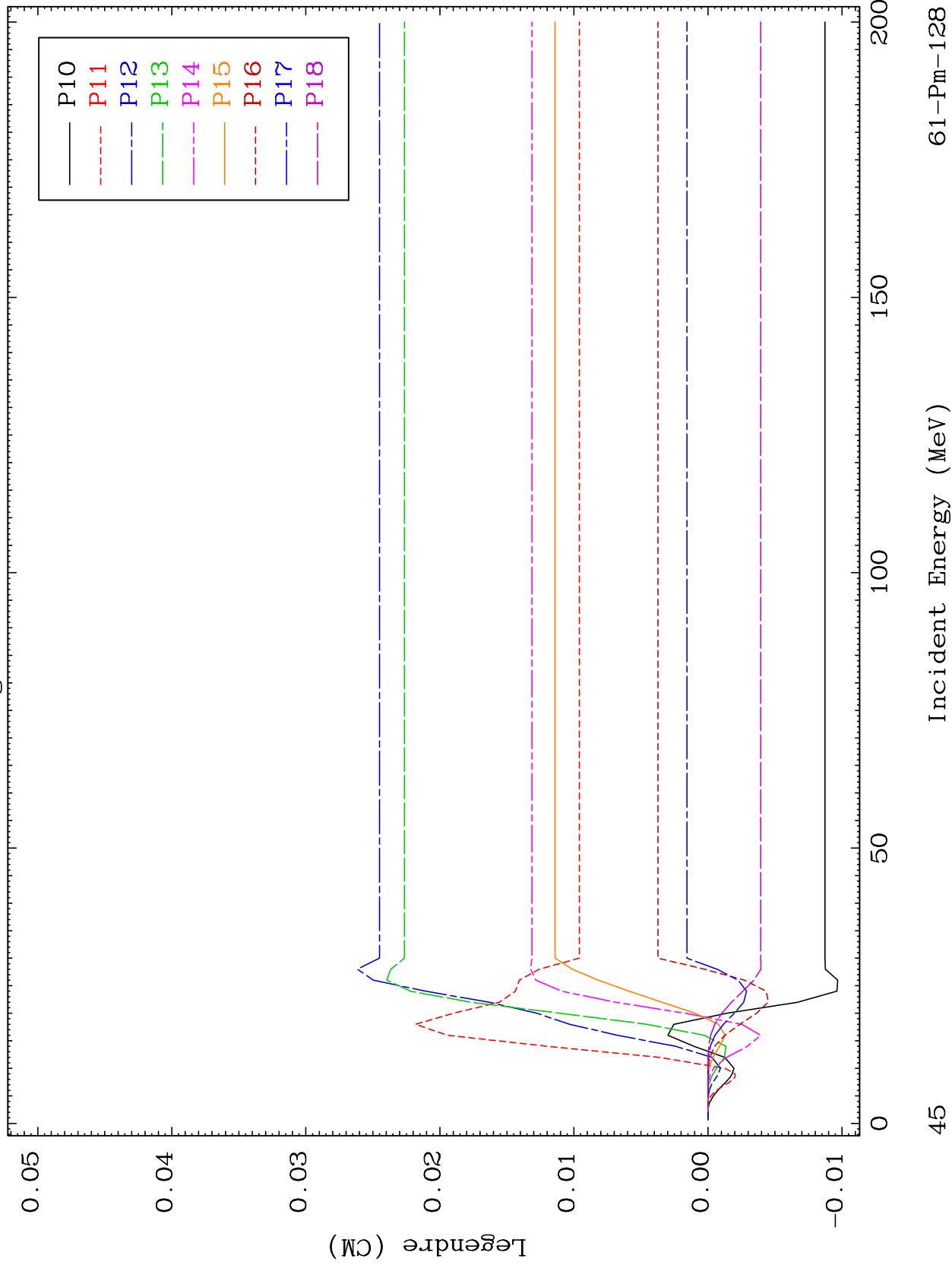
Incident Energy (MeV)

44

MAT 6092

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

61-Pm-128



61-Pm-128

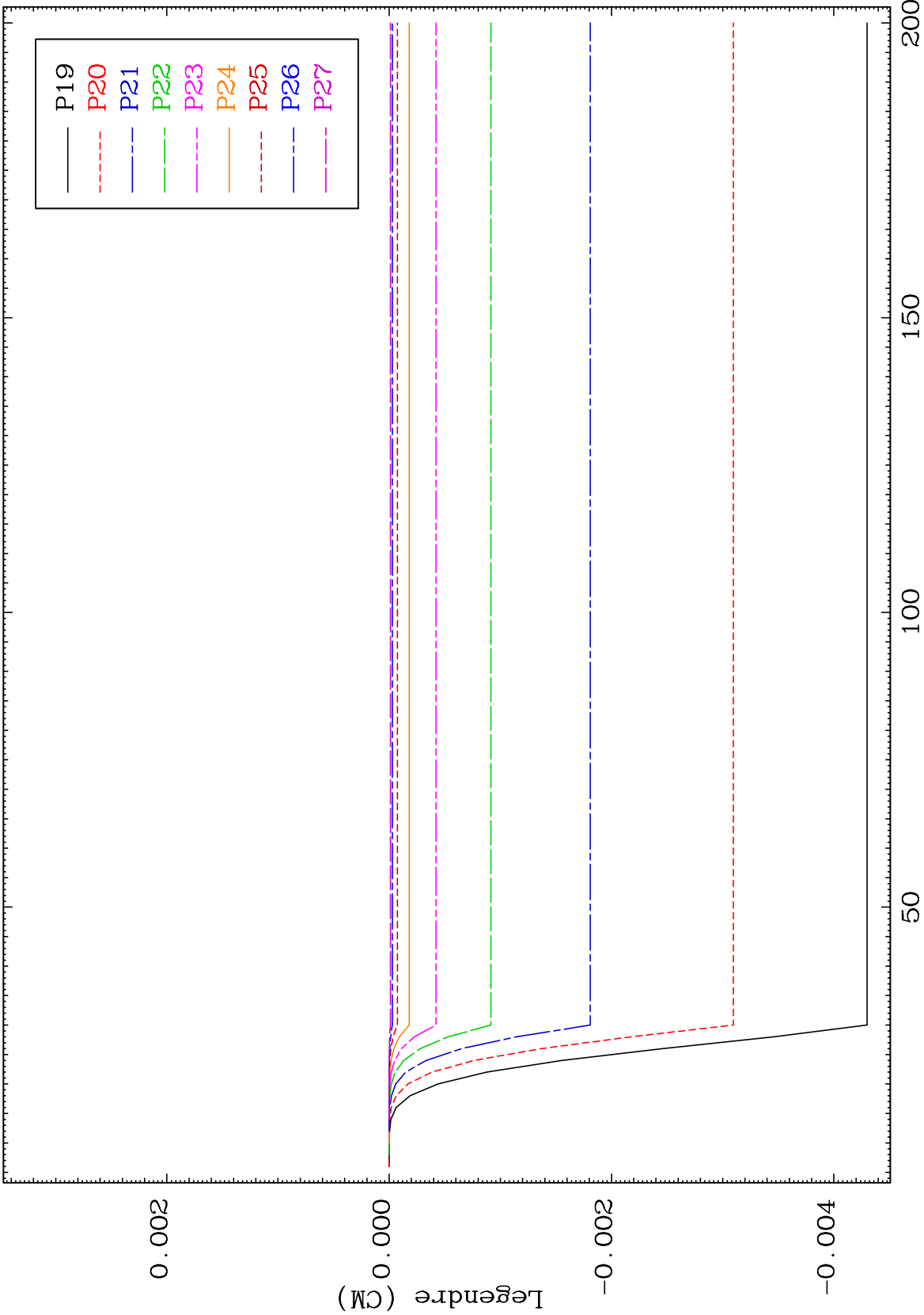
Incident Energy (MeV)

45

MAT 6092

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

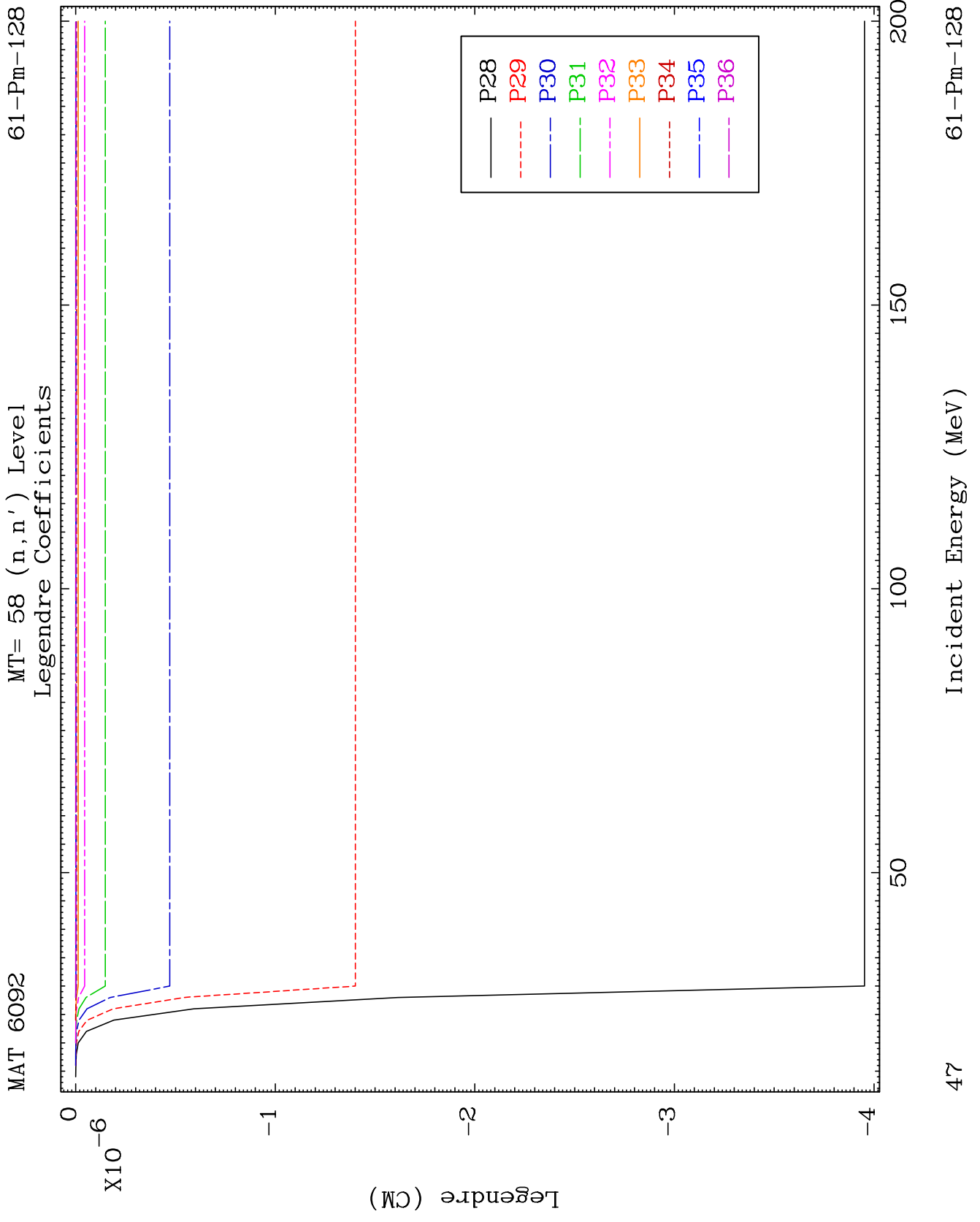
61-Pm-128



46

Incident Energy (MeV)

61-Pm-128

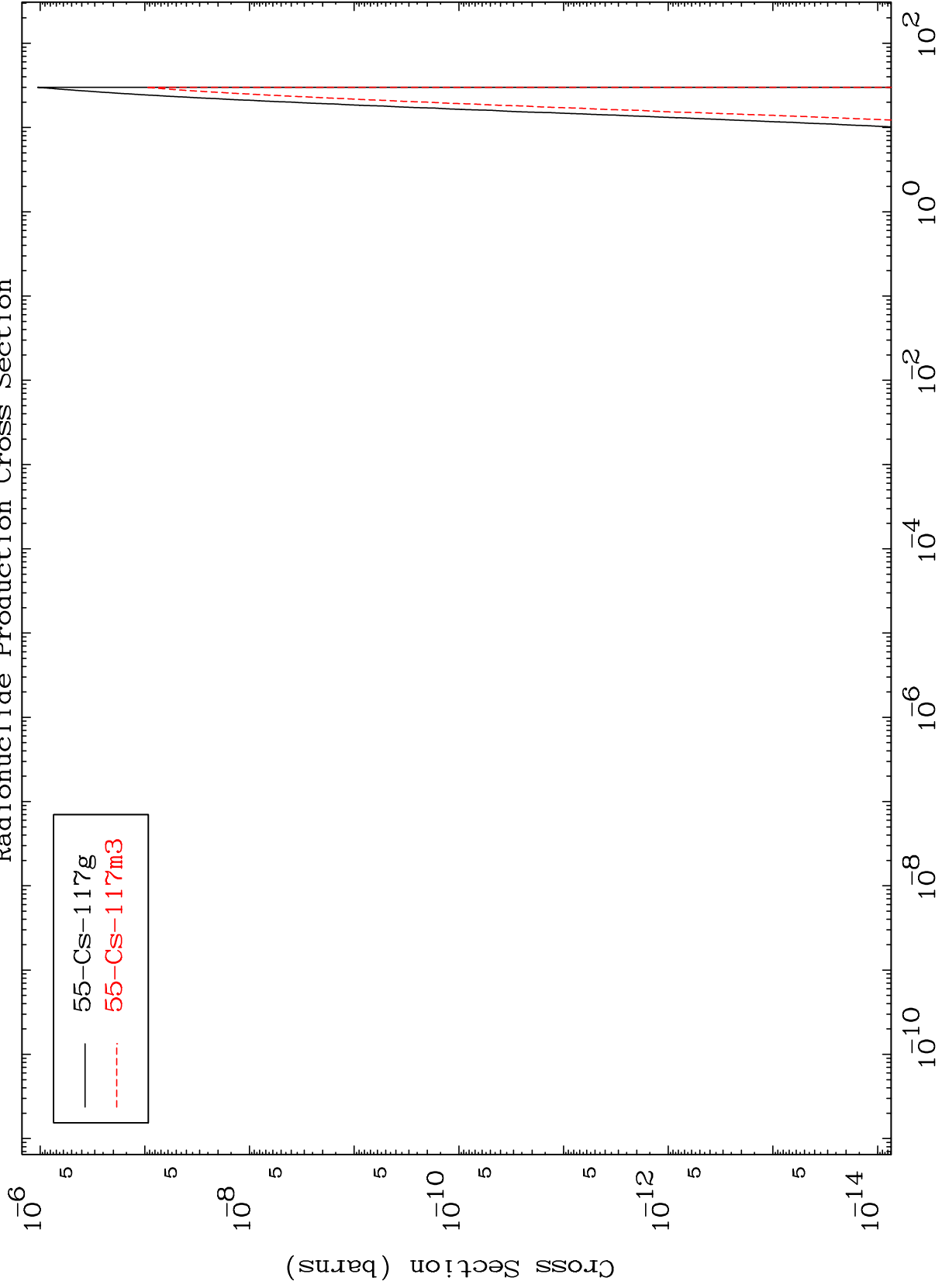


MAT 6092

(n,3 α)

61-Pm-128

Radionuclide Production Cross Section



48

Incident Energy (MeV)

61-Pm-128