

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

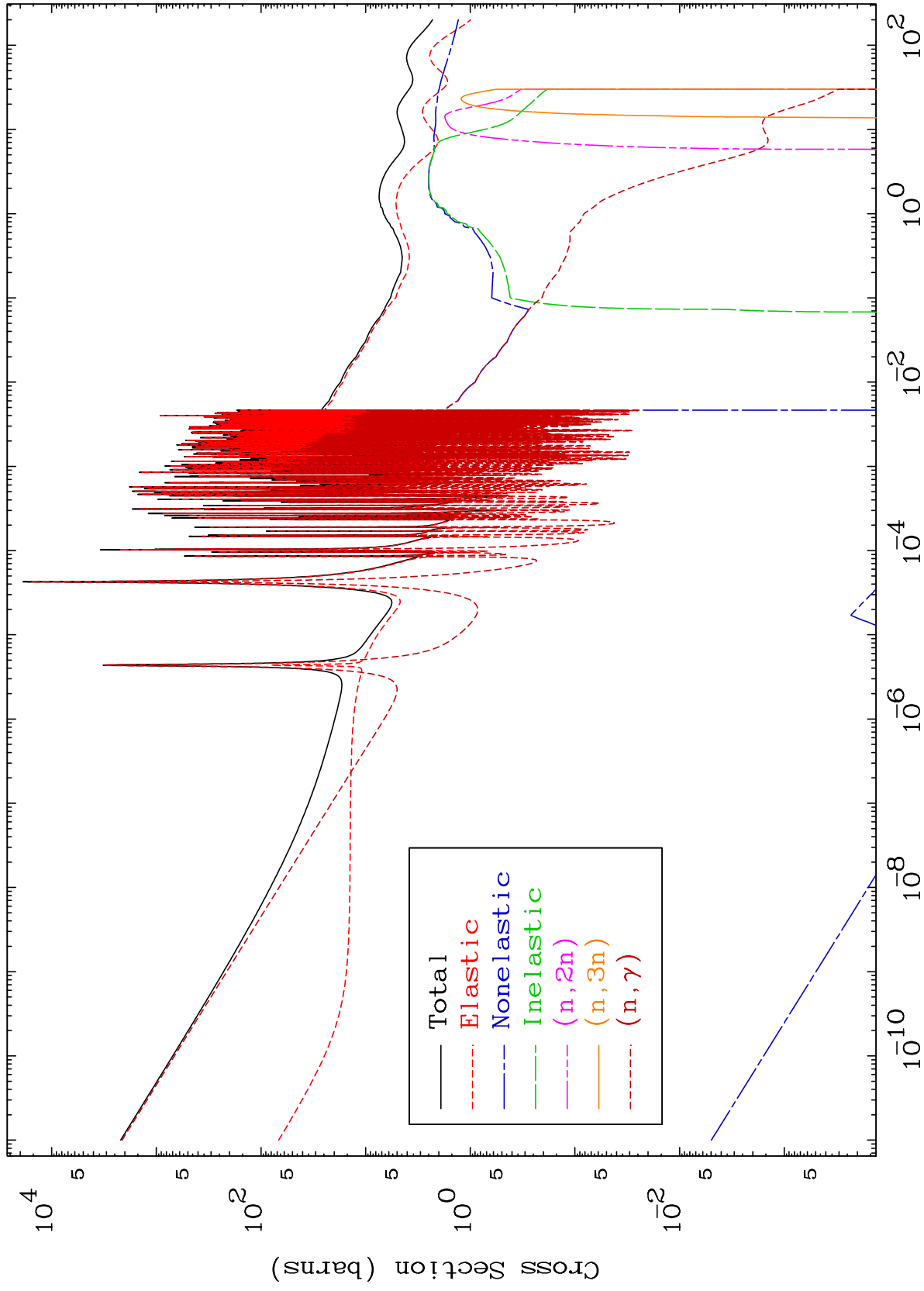
Press Mouse Button to Start

MAT 6034

Neutron Major

60-Nd-145

293 Kelvin Cross Sections



1

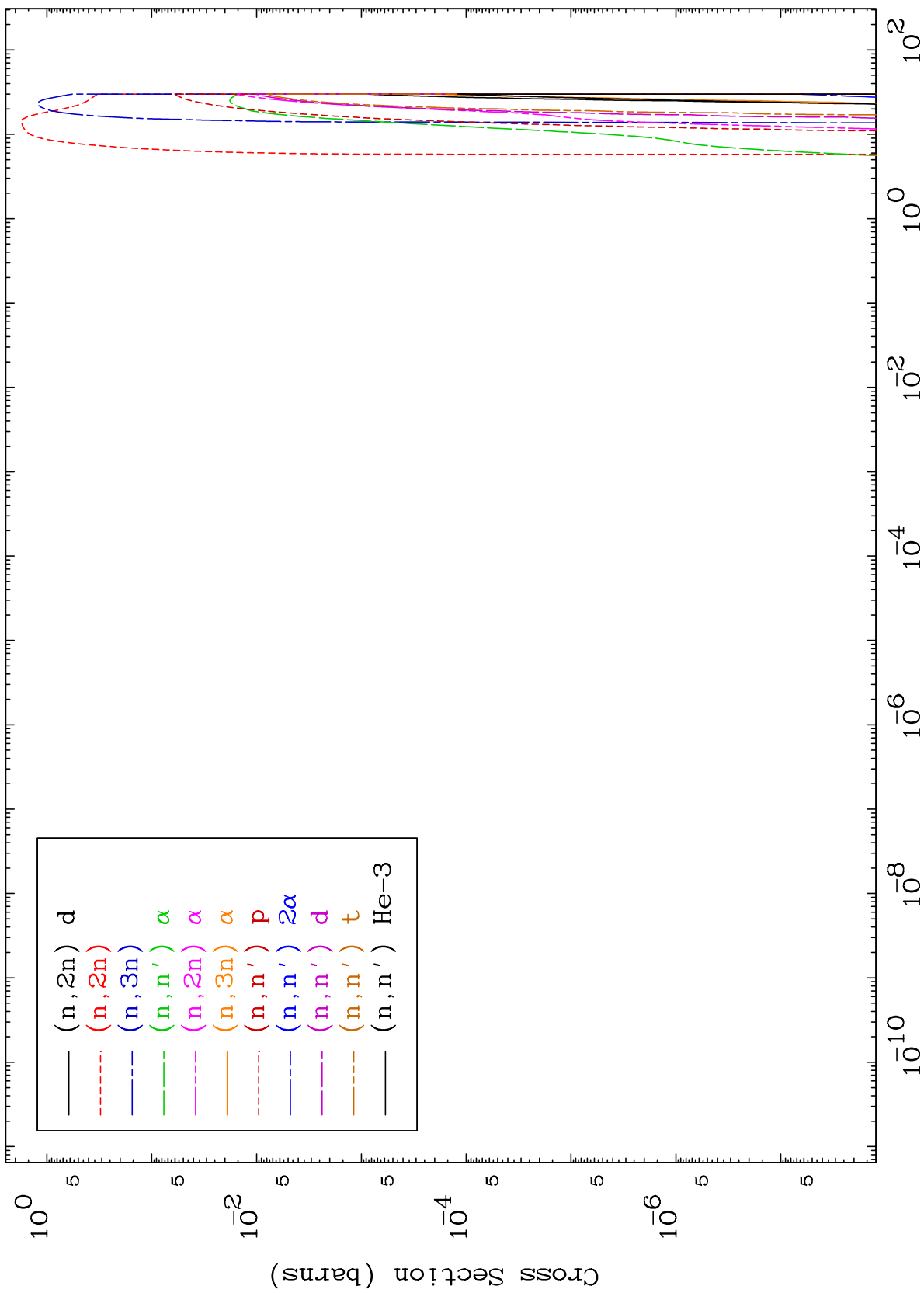
Incident Energy (MeV)

60-Nd-145

MAT 6034

Neutron Absorption
293 Kelvin Cross Sections

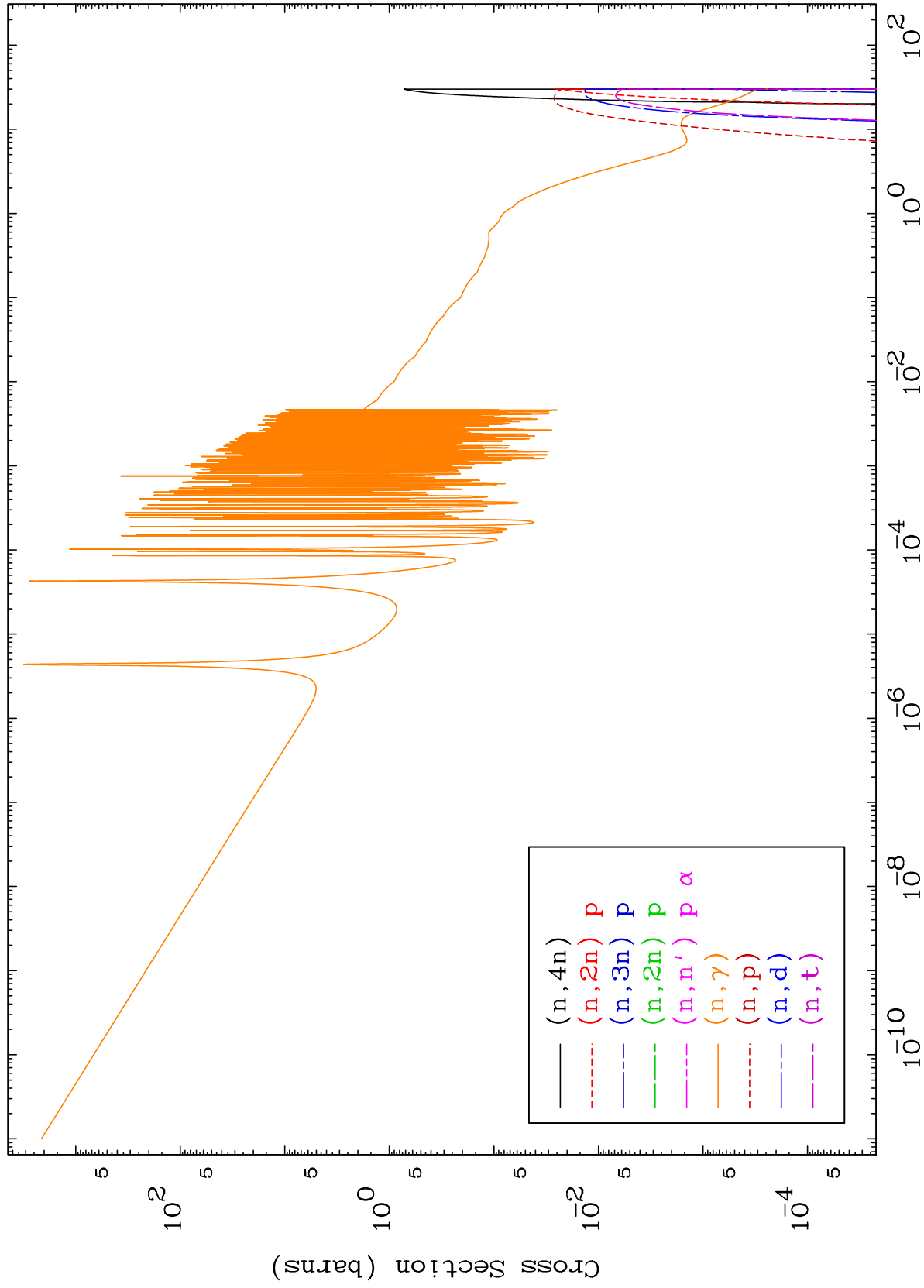
60-Nd-145

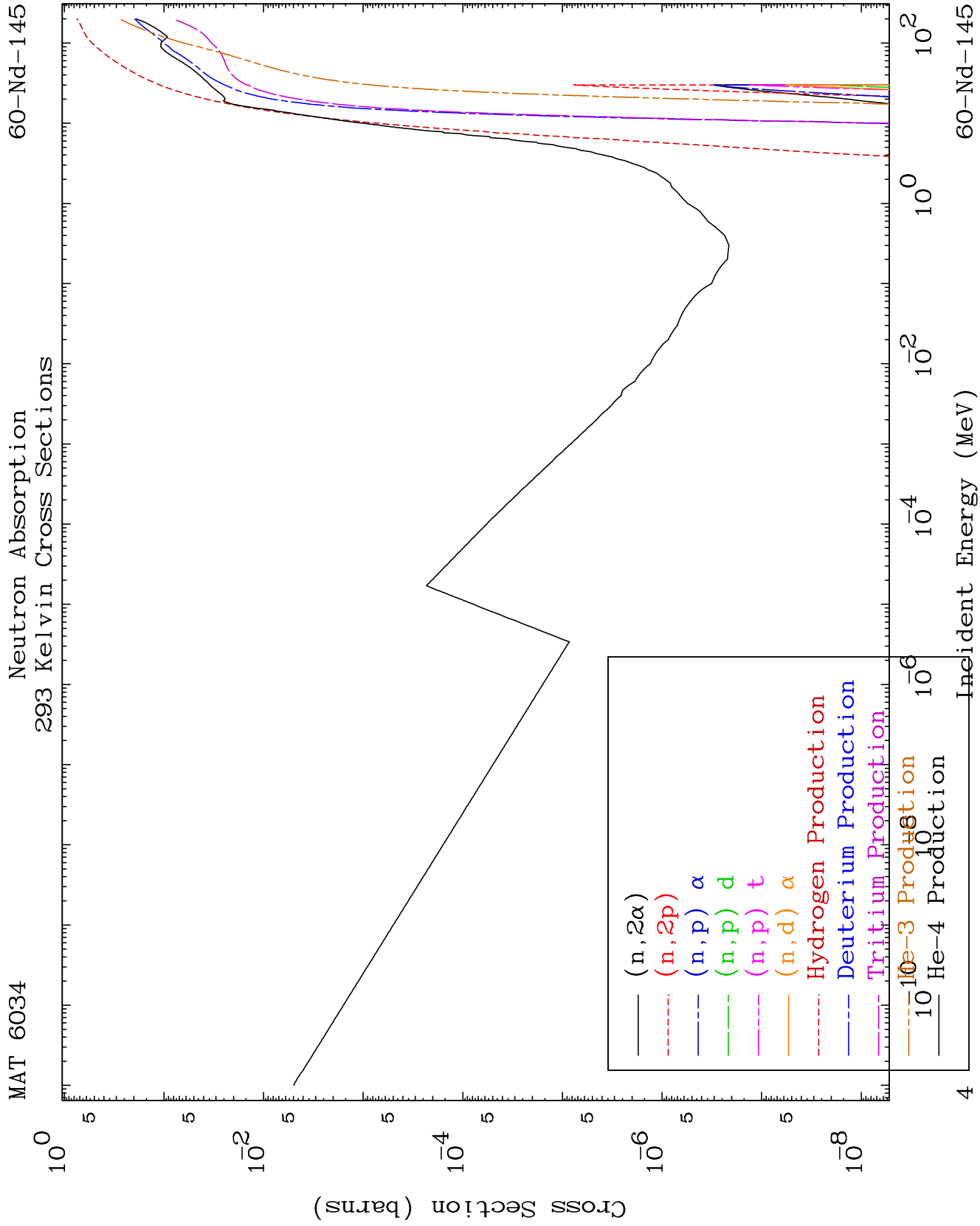


MAT 6034

Neutron Absorption
293 Kelvin Cross Sections

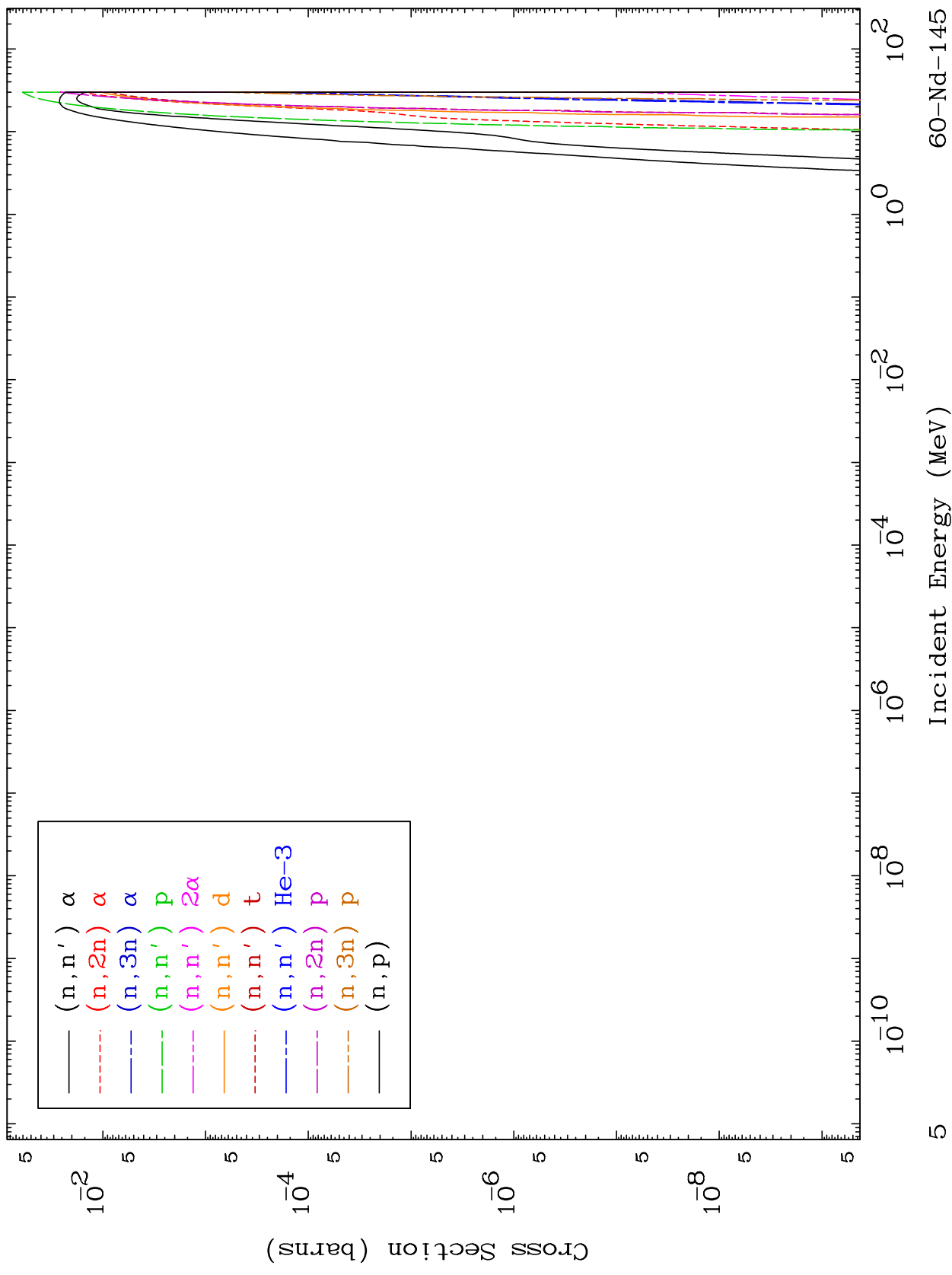
60-Nd-145





MAT 6034

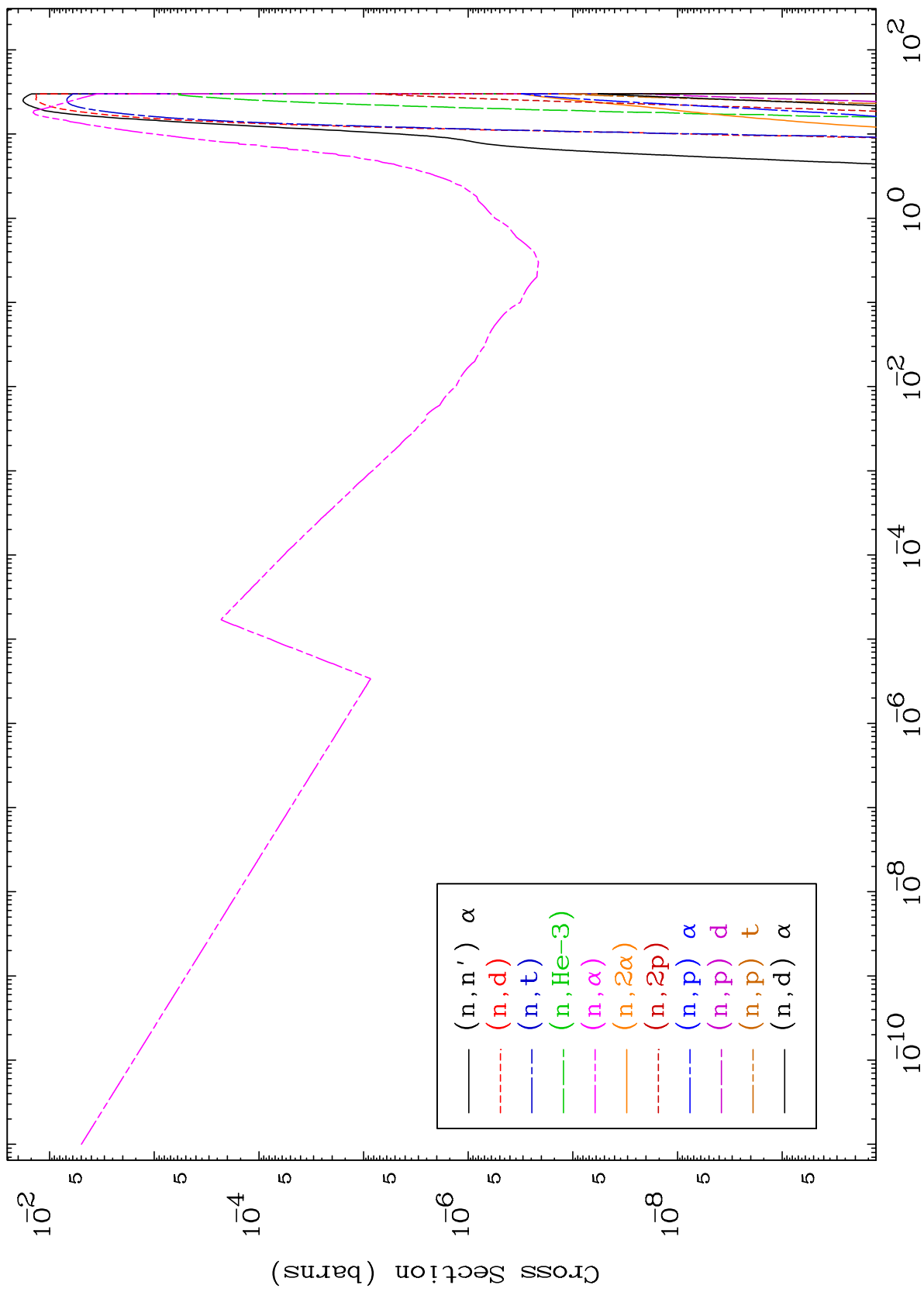
Charged Particle 293 Kelvin Cross Sections

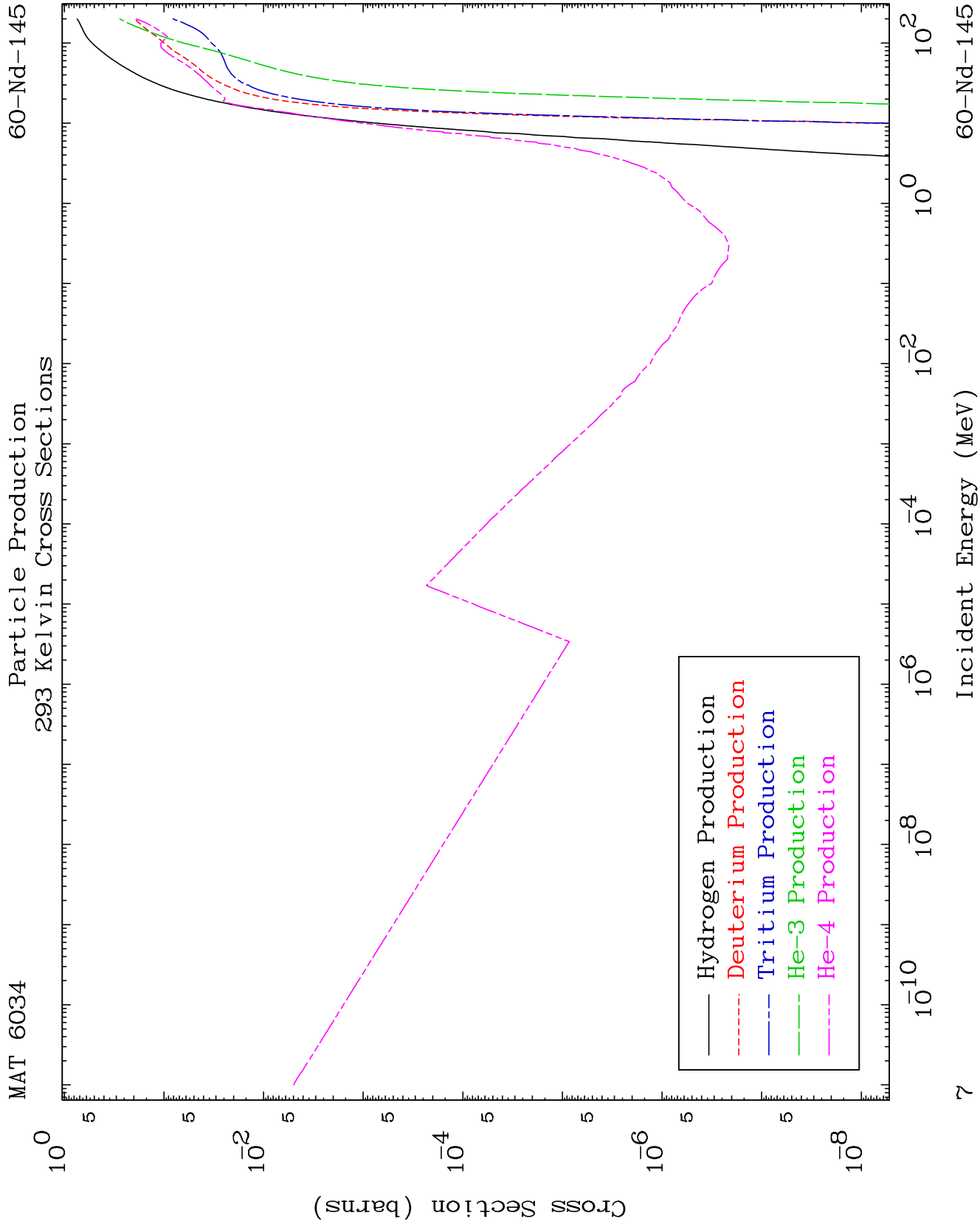
 $^{60}\text{Nd}-145$ 

MAT 6034

Charged Particle
293 Kelvin Cross Sections

60-Nd-145



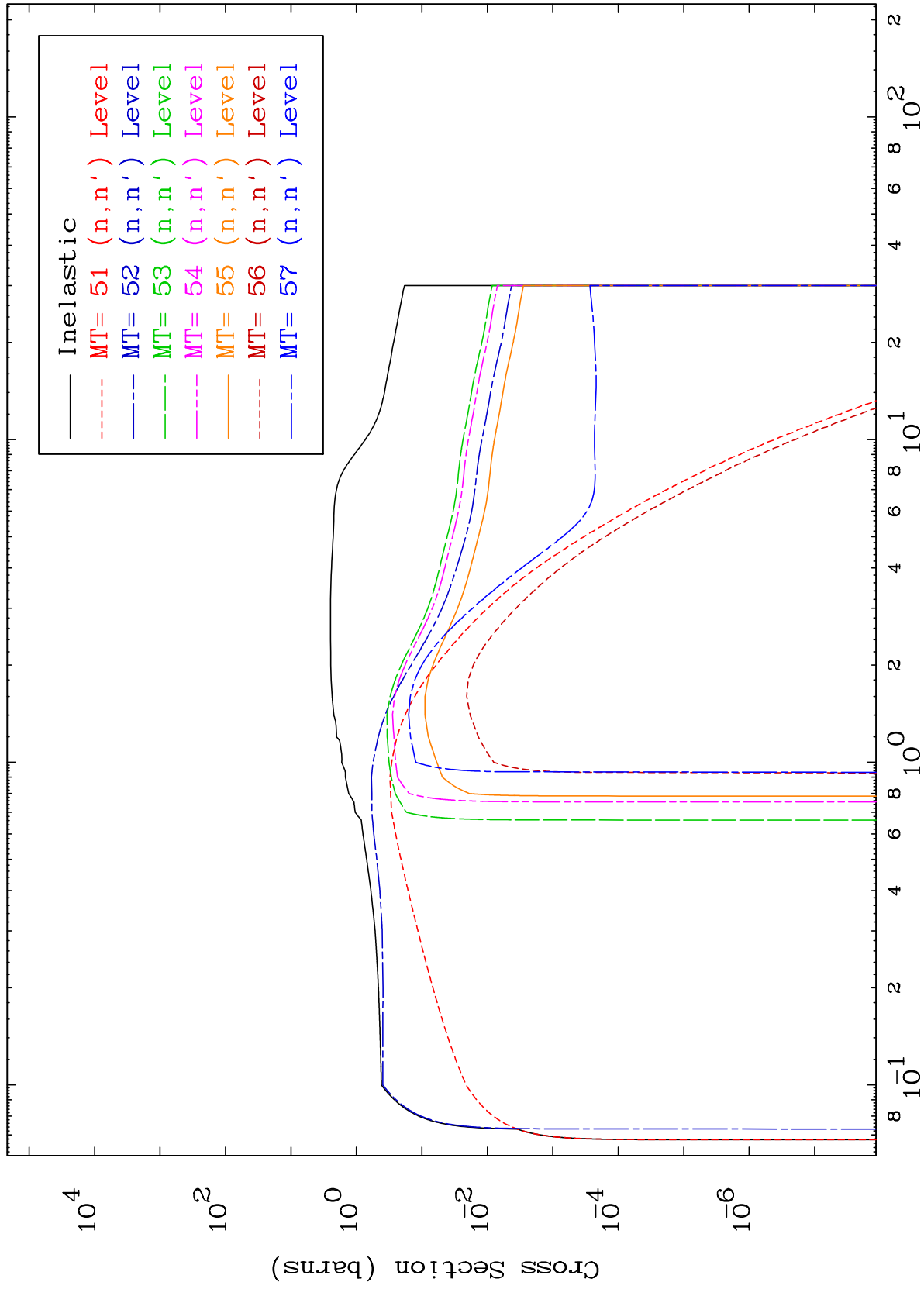


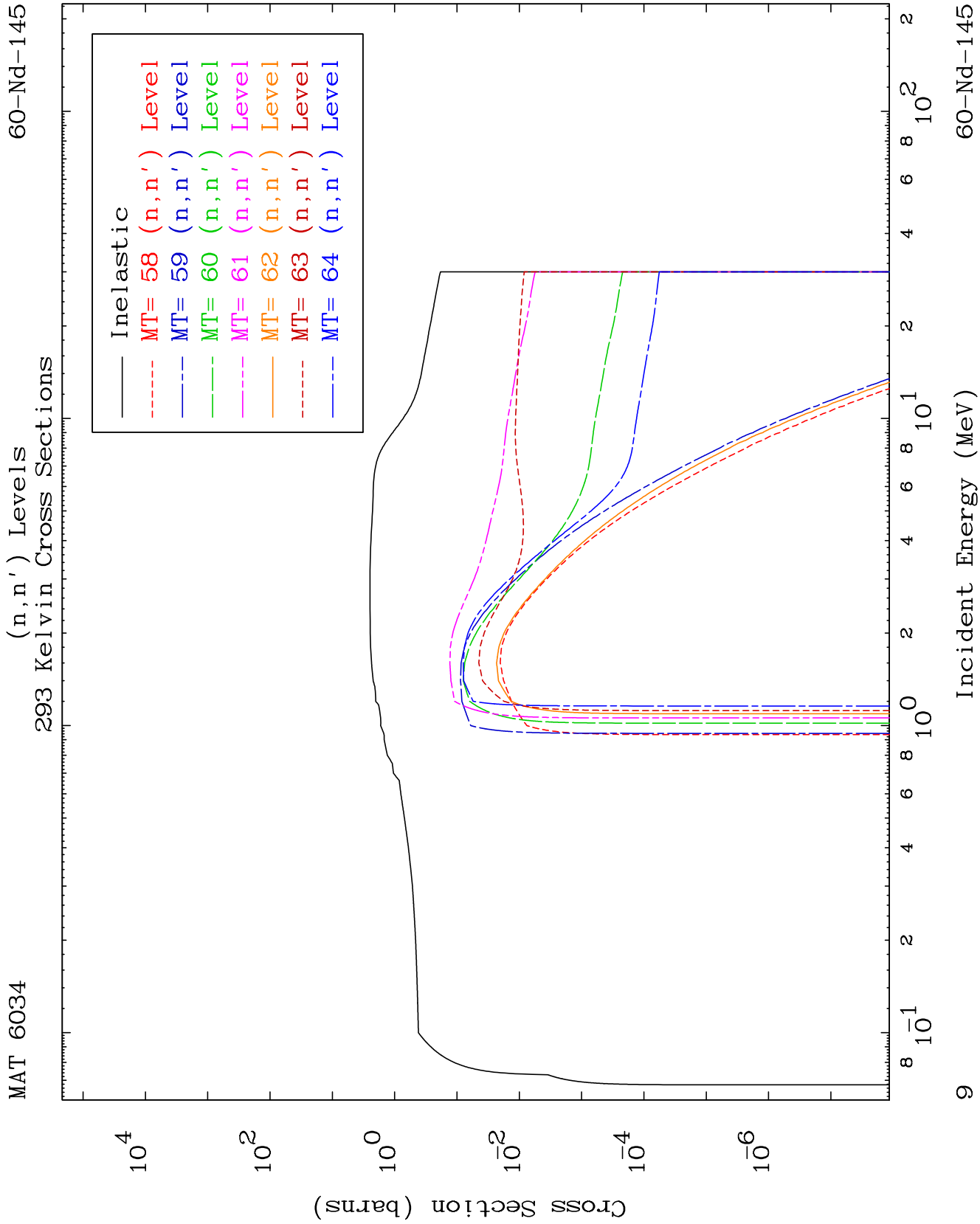
MAT 6034

(n,n') Levels

60-Nd-145

293 Kelvin Cross Sections



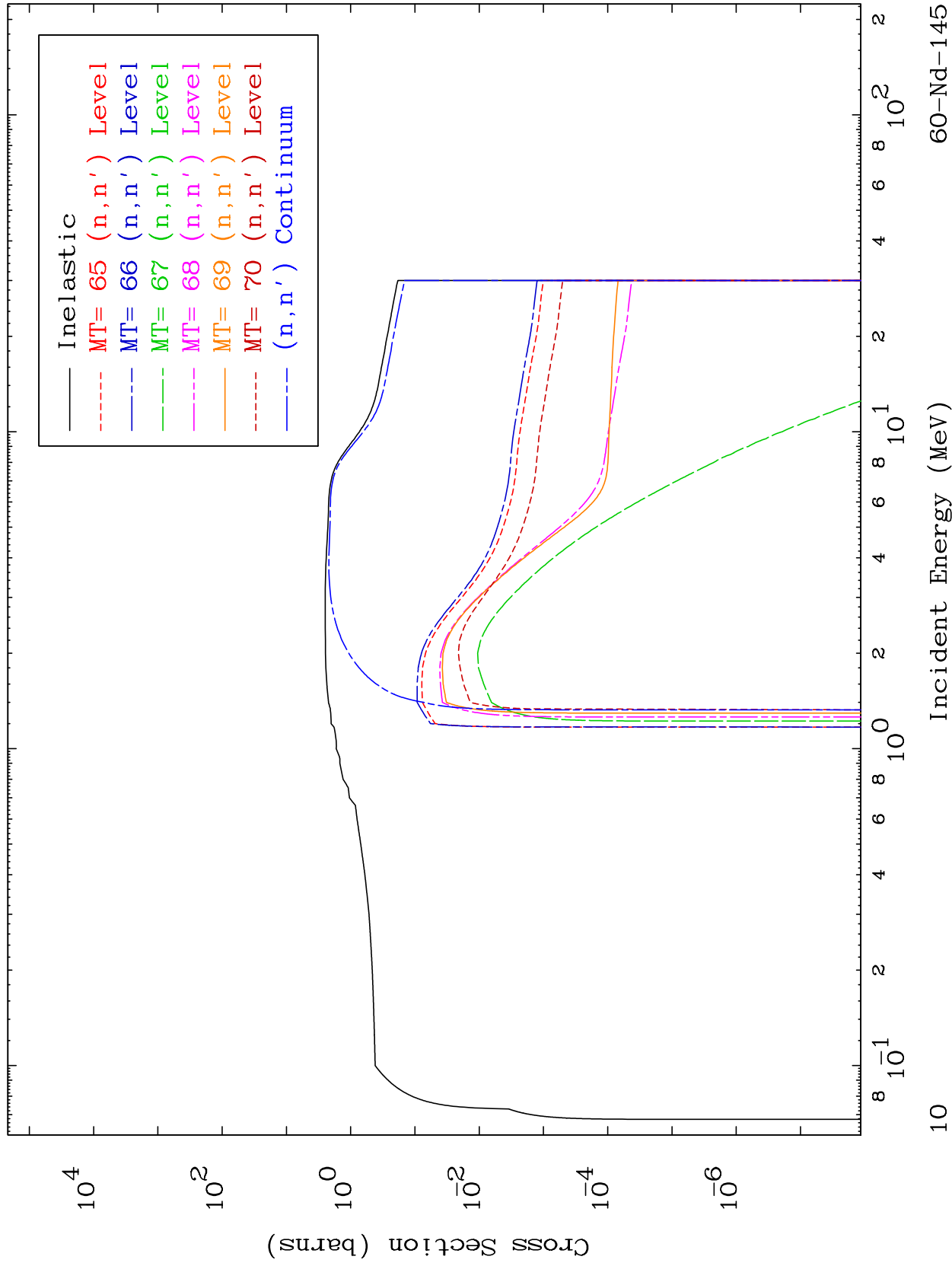


MAT 6034

(n,n') Levels

60-Nd-145

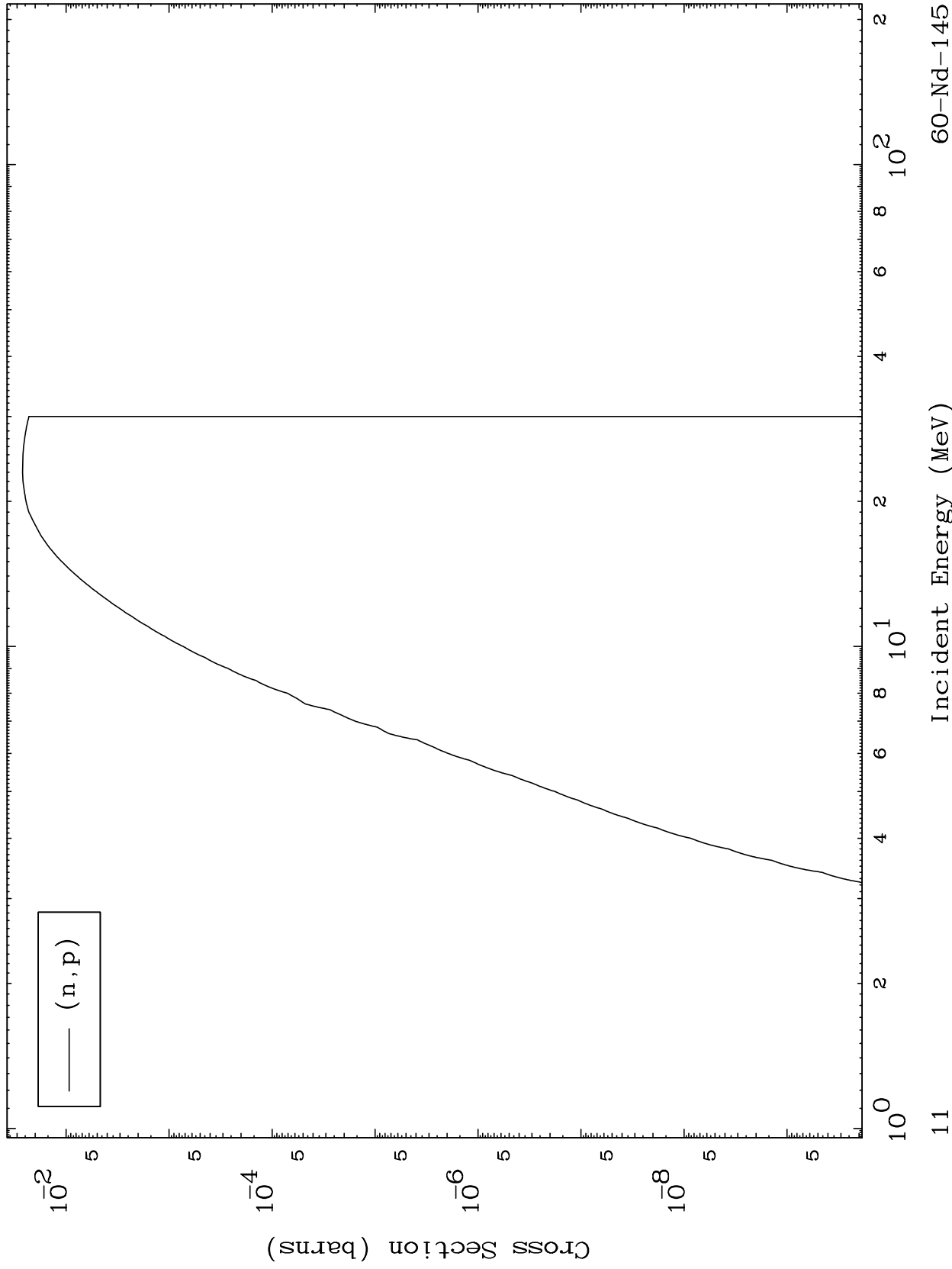
293 Kelvin Cross Sections



MAT 6034

(n,p) Levels
293 Kelvin Cross Sections

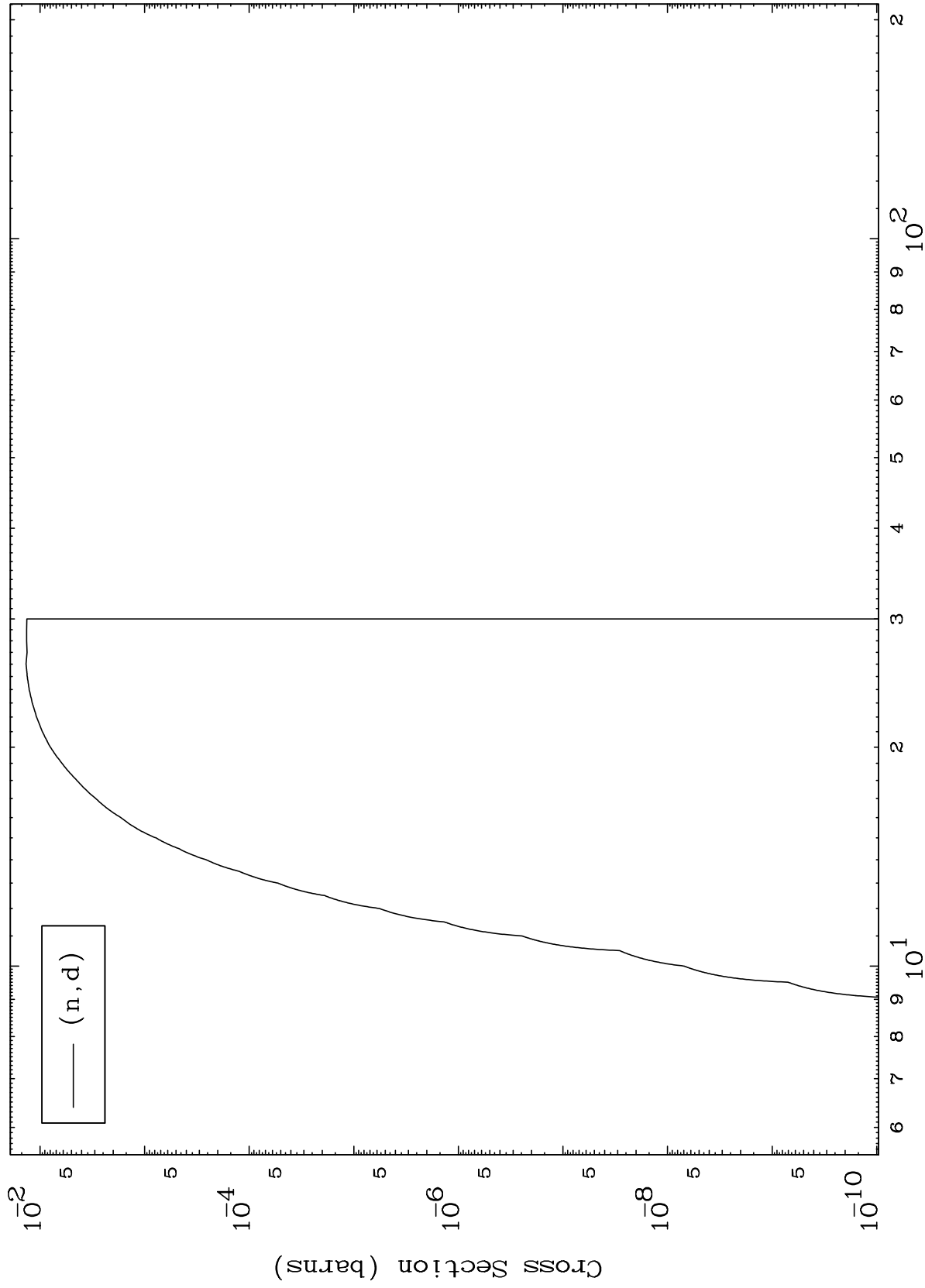
60-Nd-145



MAT 6034

60-Nd-145

(n,d) Levels
293 Kelvin Cross Sections



12

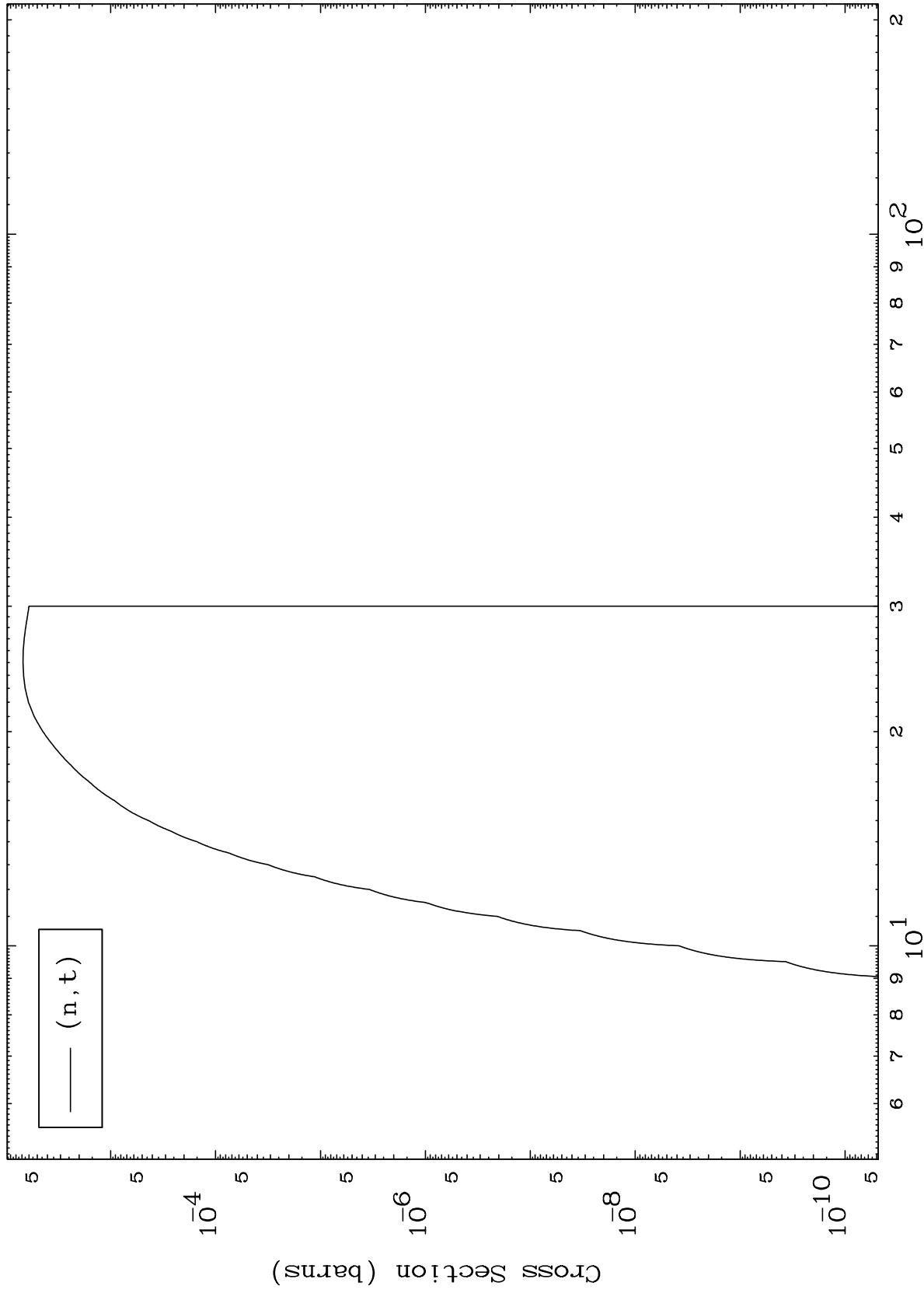
Incident Energy (MeV)

60-Nd-145

MAT 6034

60-Nd-145

(n,t) Levels
293 Kelvin Cross Sections



13

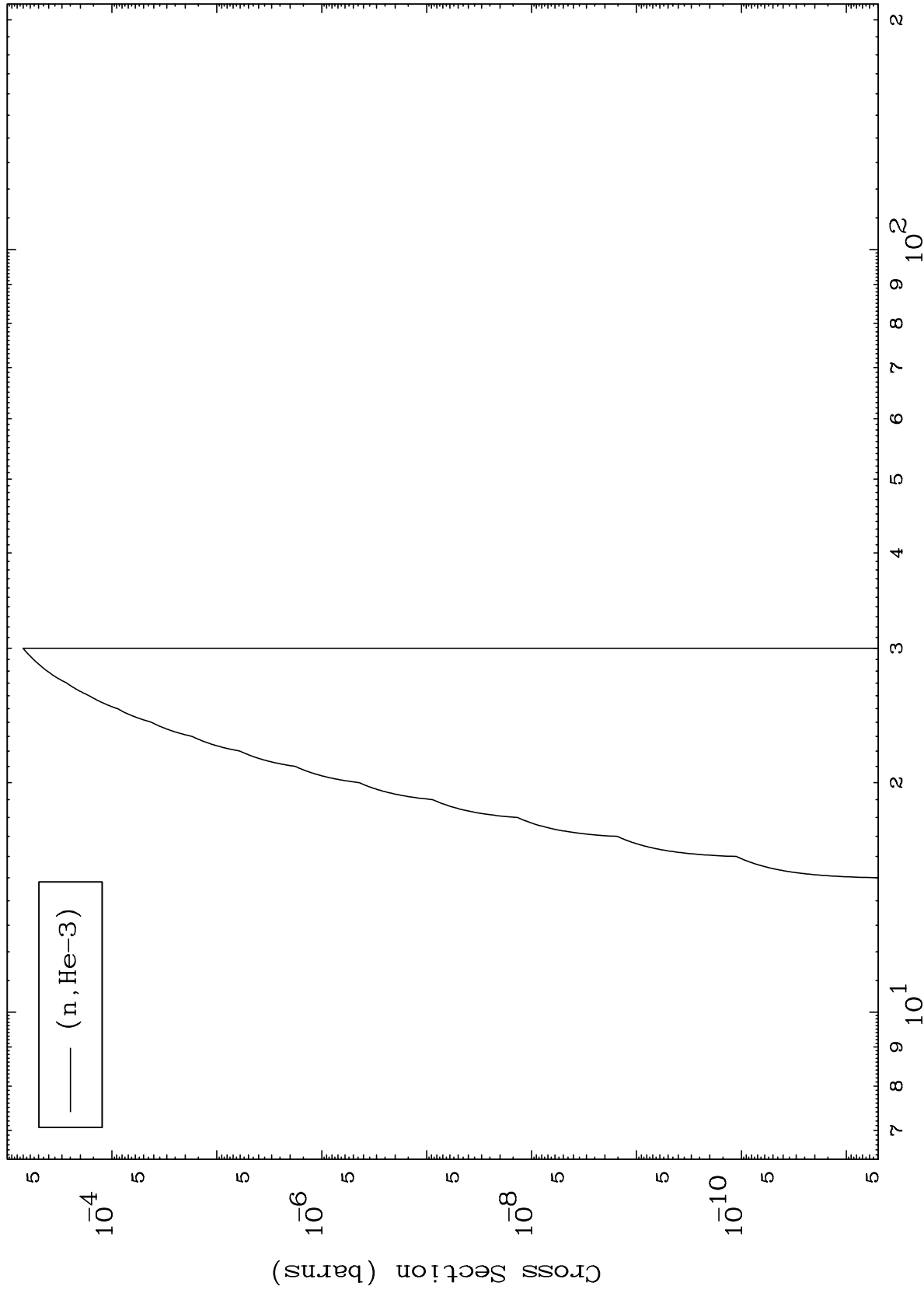
Incident Energy (MeV)

60-Nd-145

MAT 6034

60-Nd-145

(n,He3) Levels
293 Kelvin Cross Sections



14

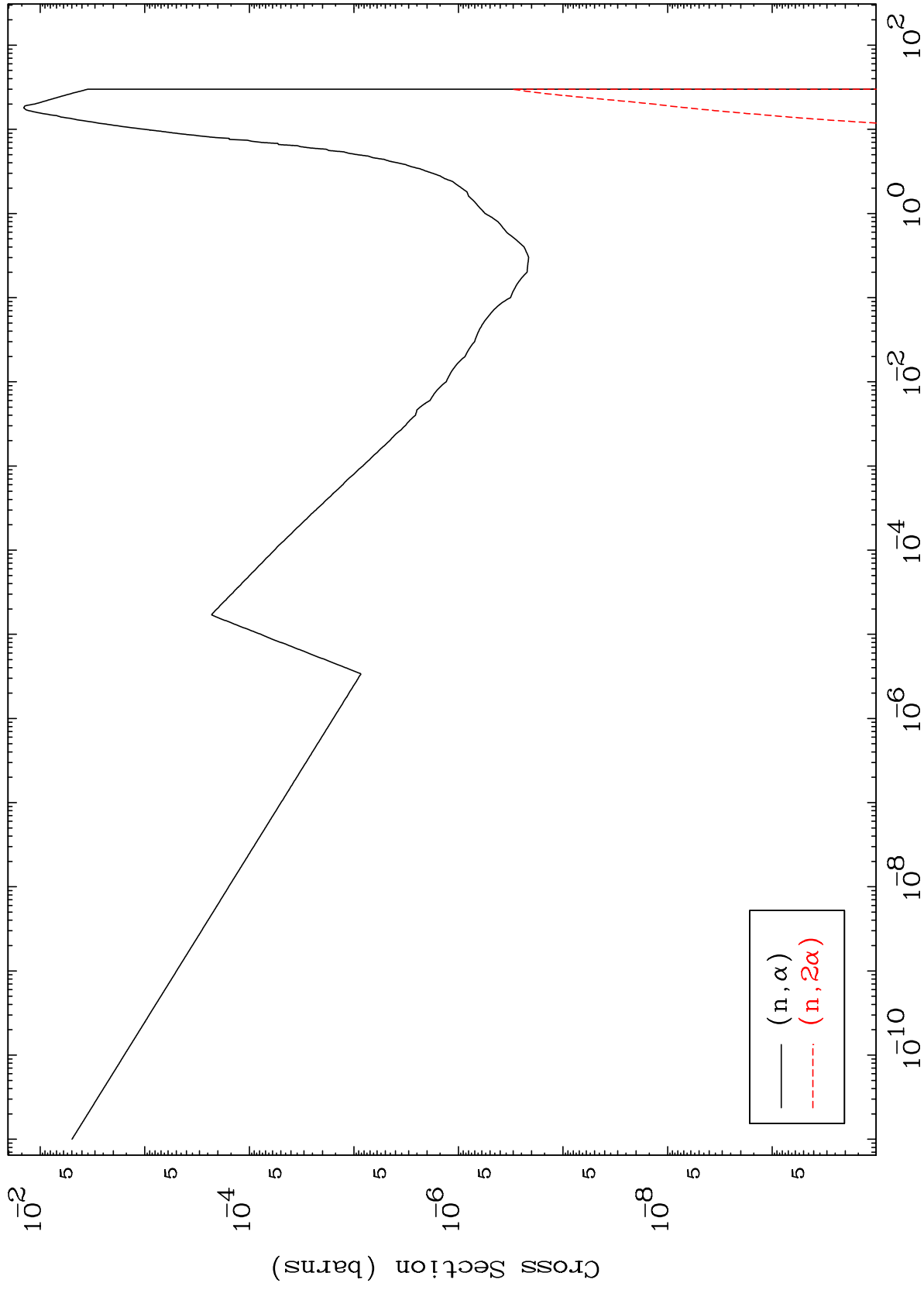
Incident Energy (MeV)

60-Nd-145

MAT 6034

(n, α) Levels
293 Kelvin Cross Sections

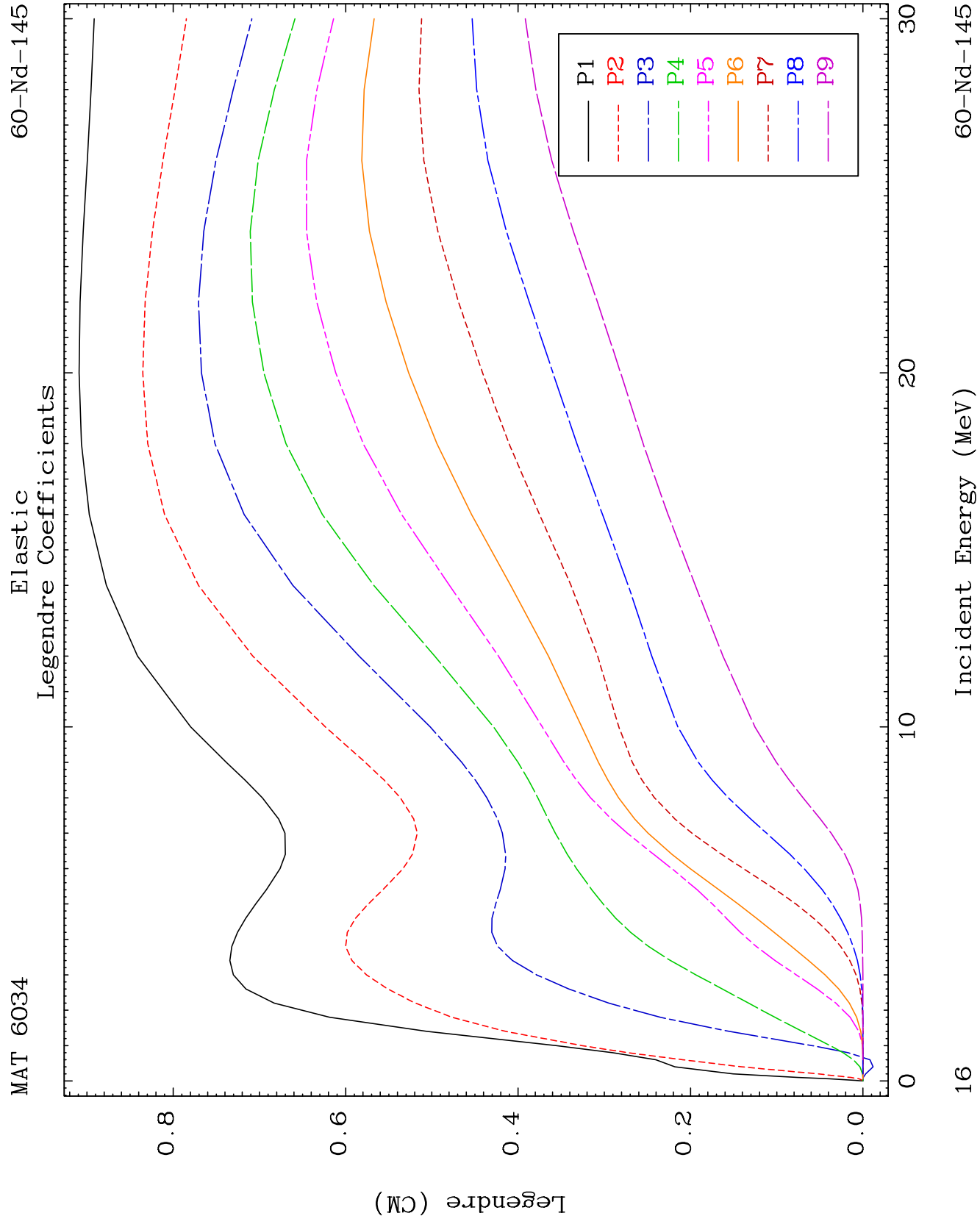
60-Nd-145

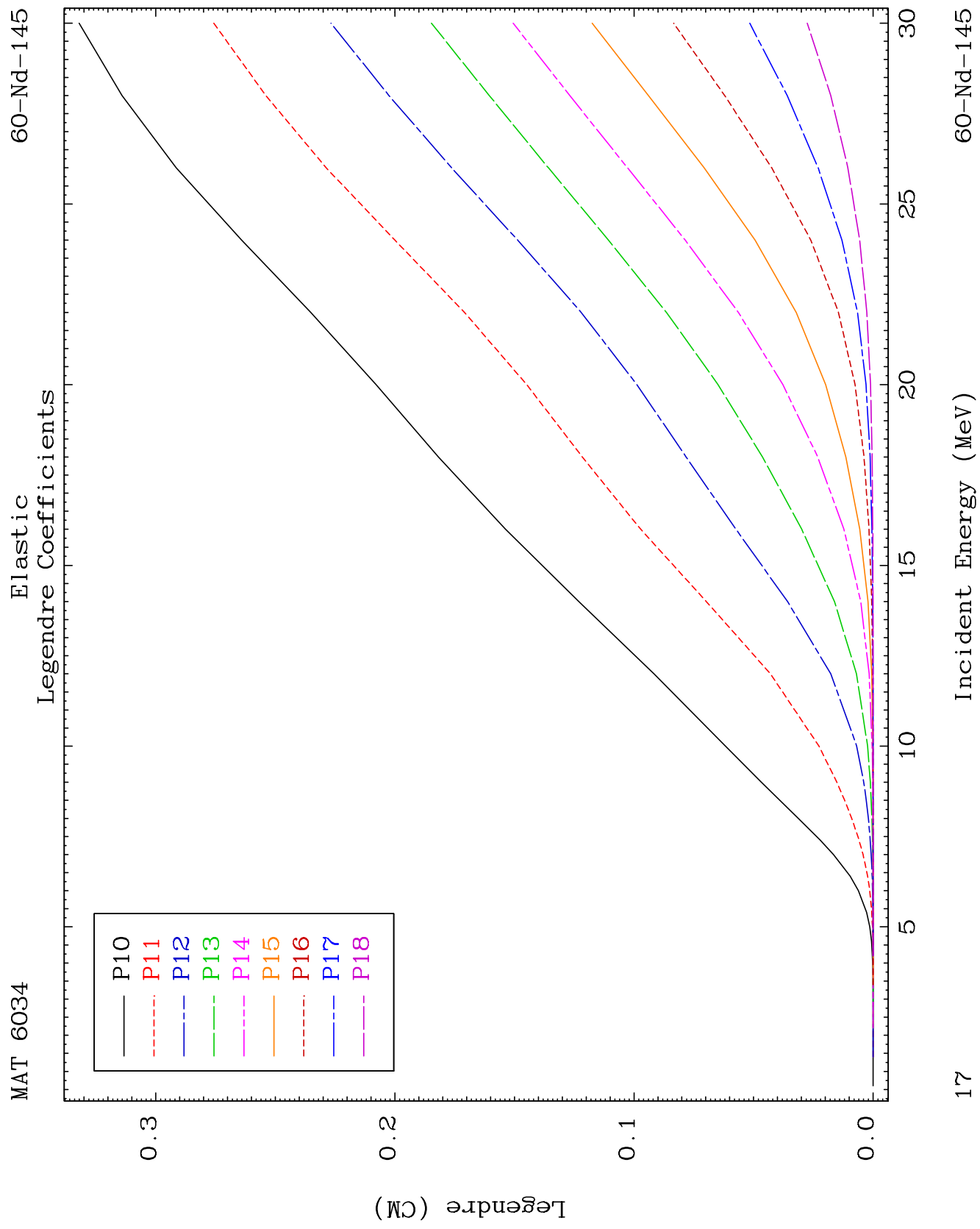


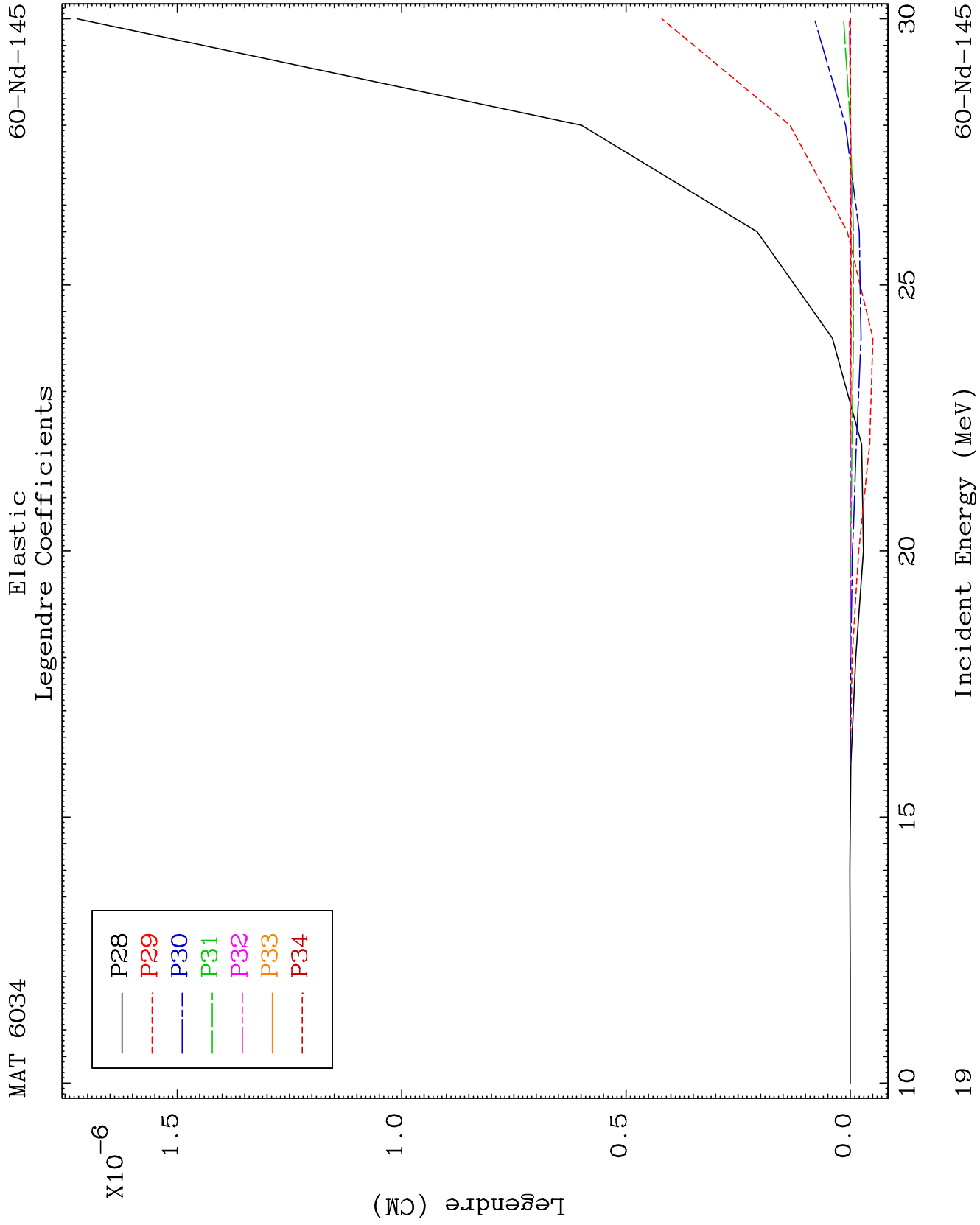
15

Incident Energy (MeV)

60-Nd-145

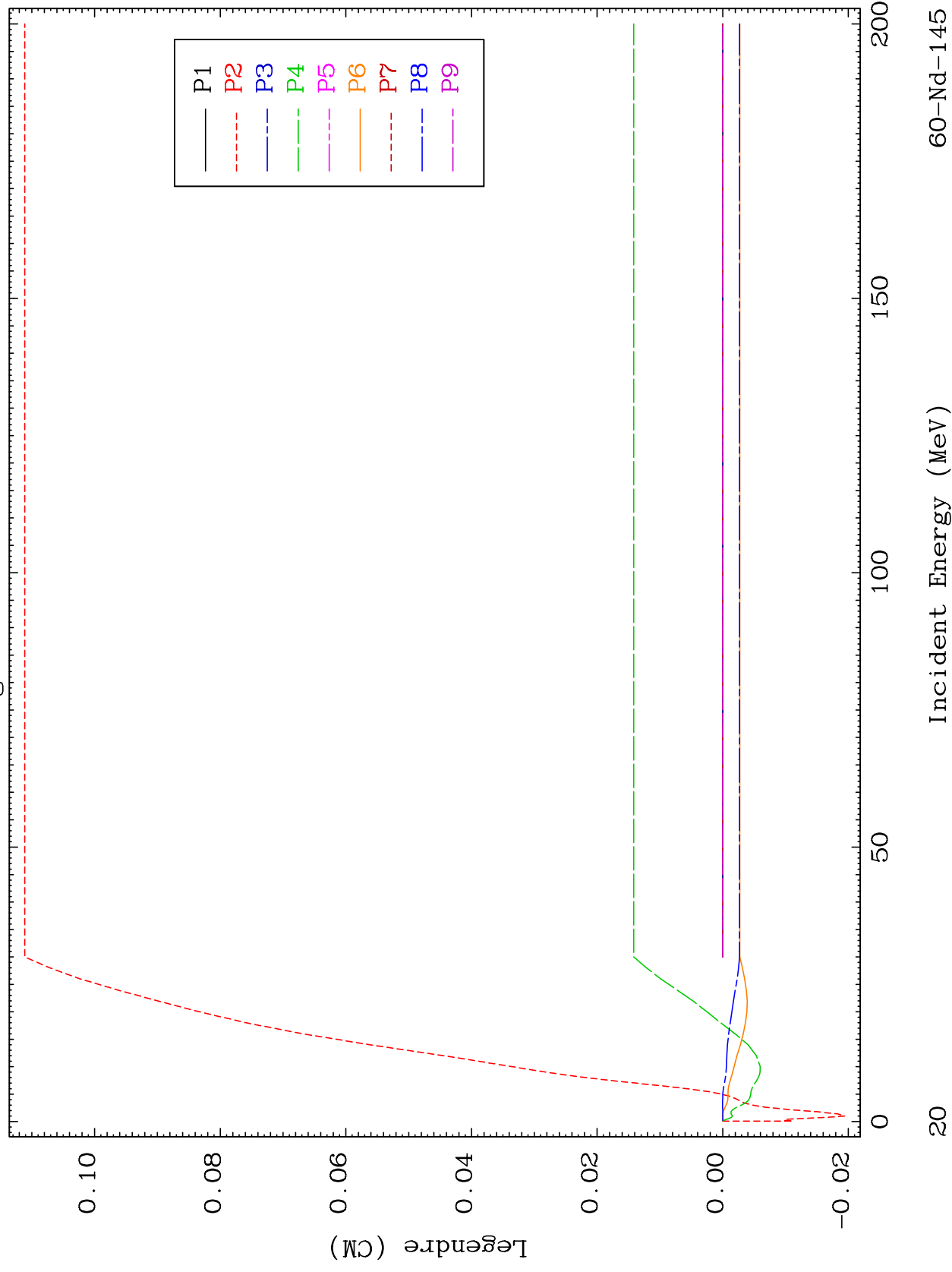


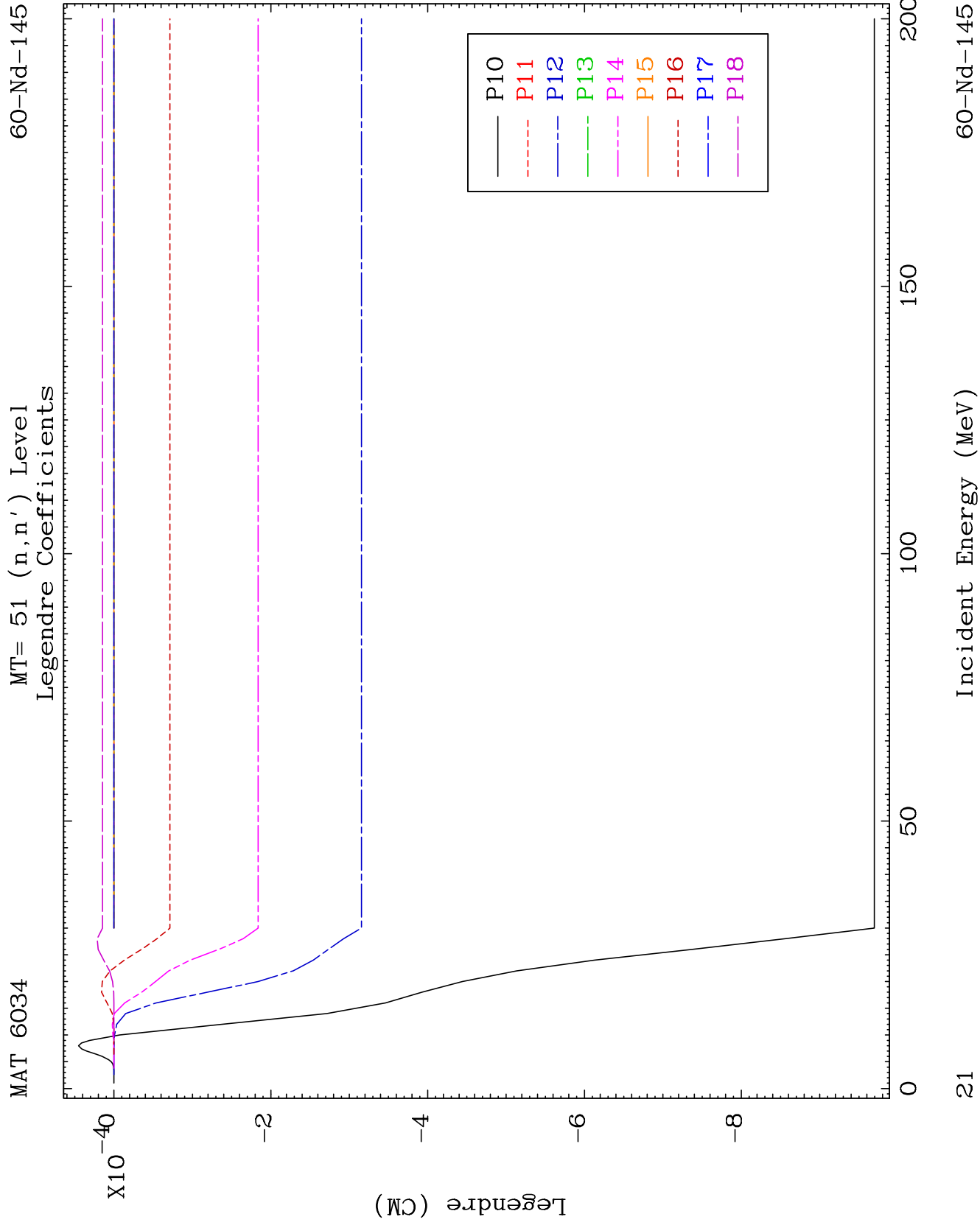


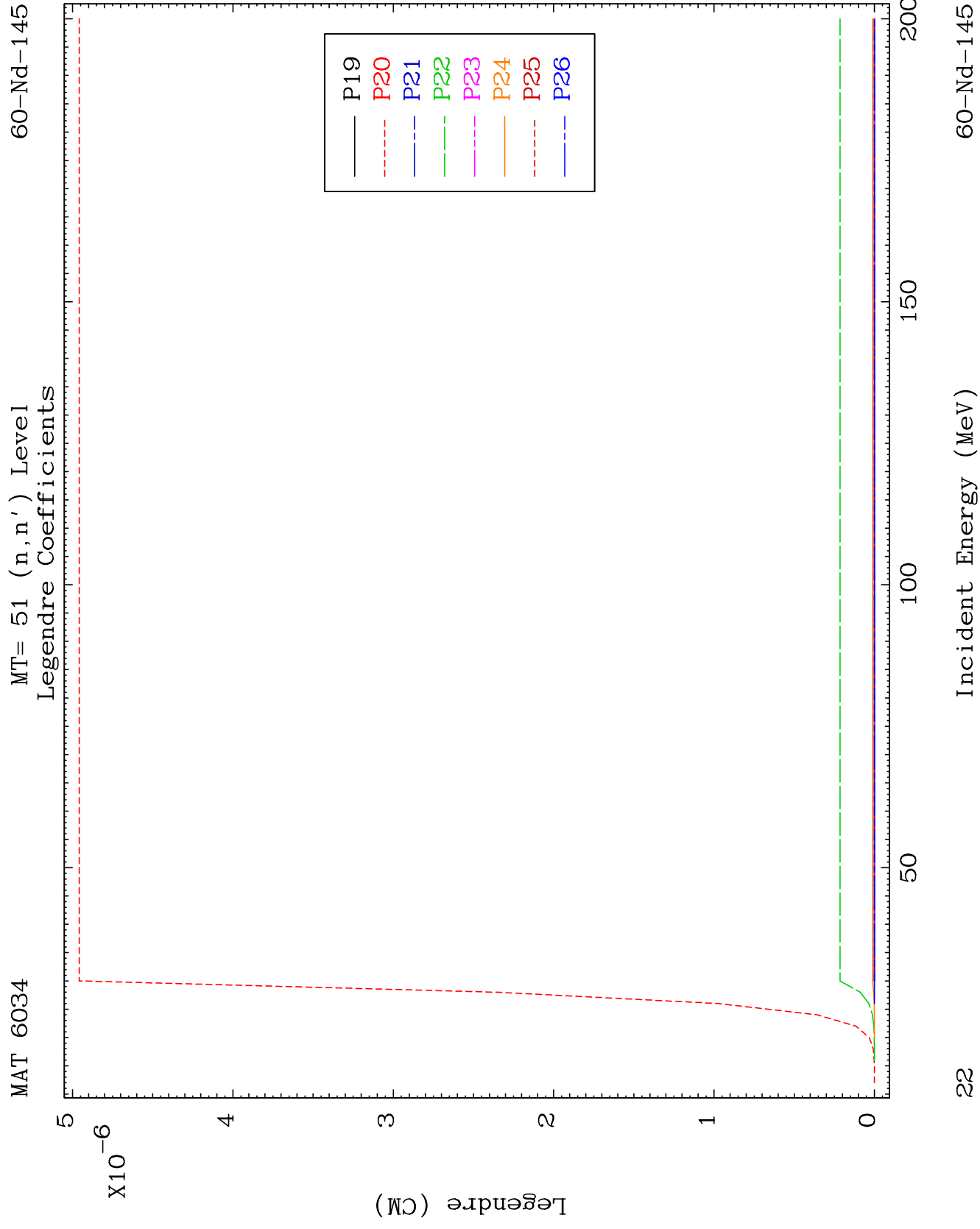


MAT 6034

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

 ${}^{60}\text{Nd}-145$ 

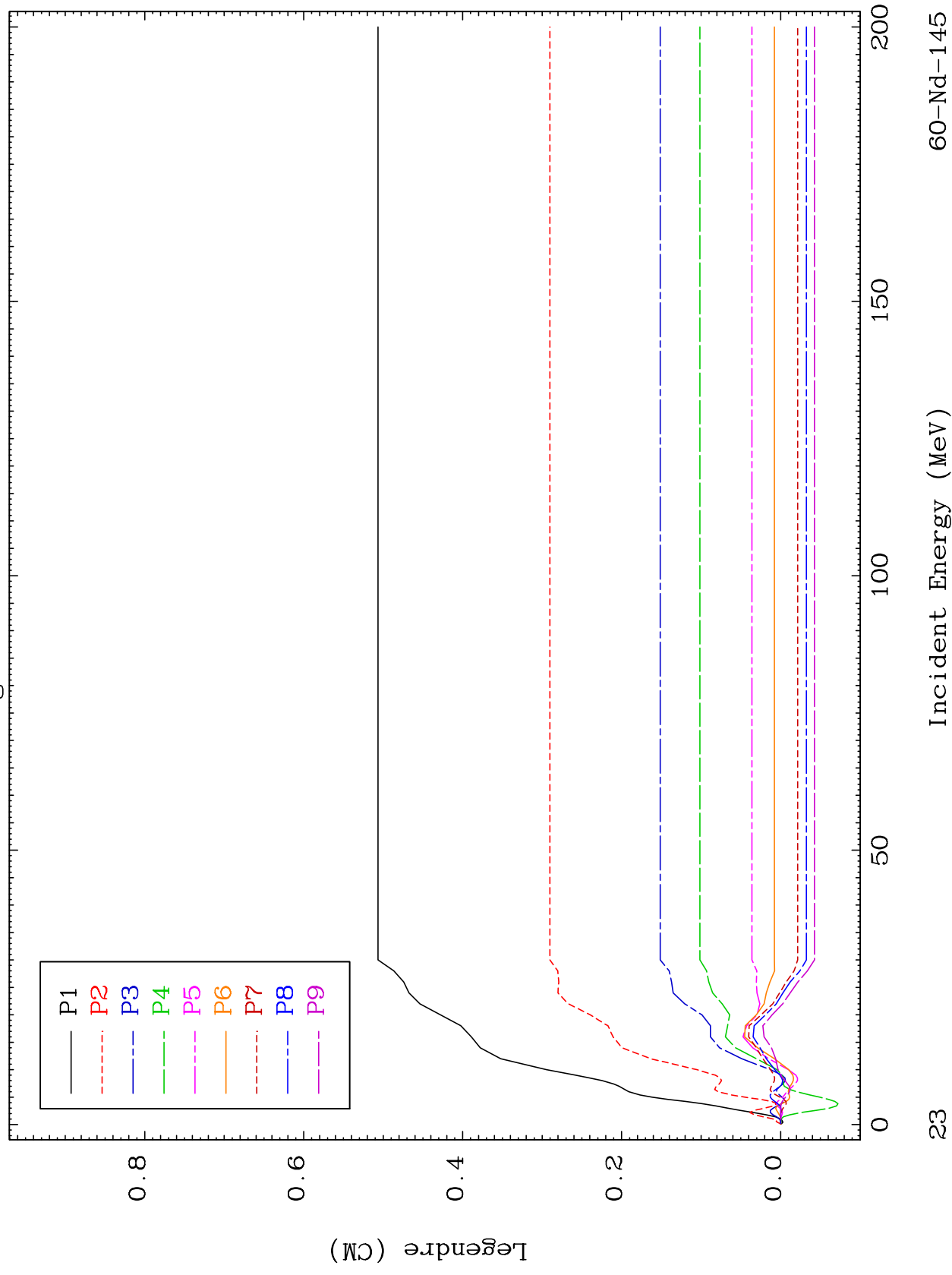


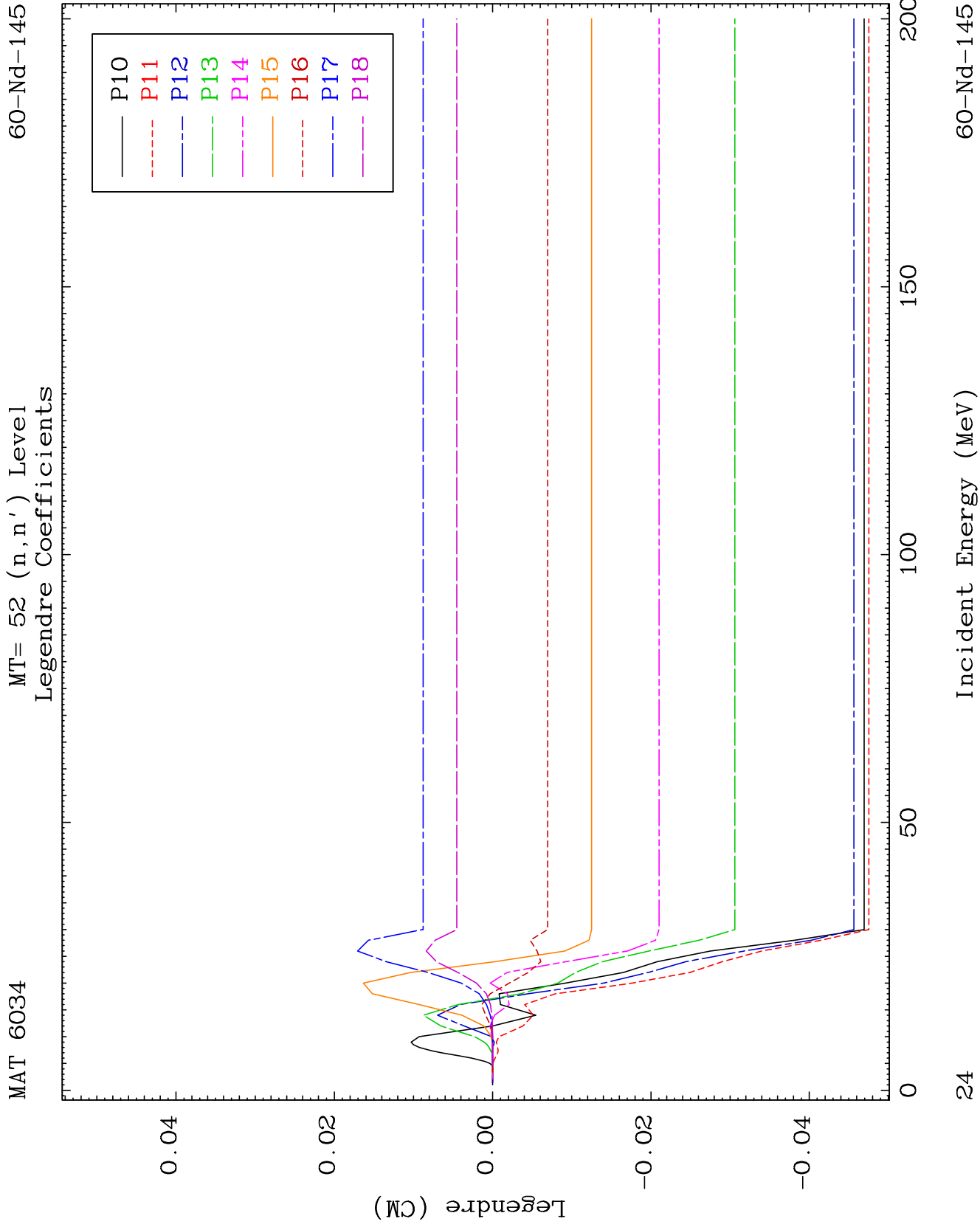


MAT 6034

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

60-Nd-145

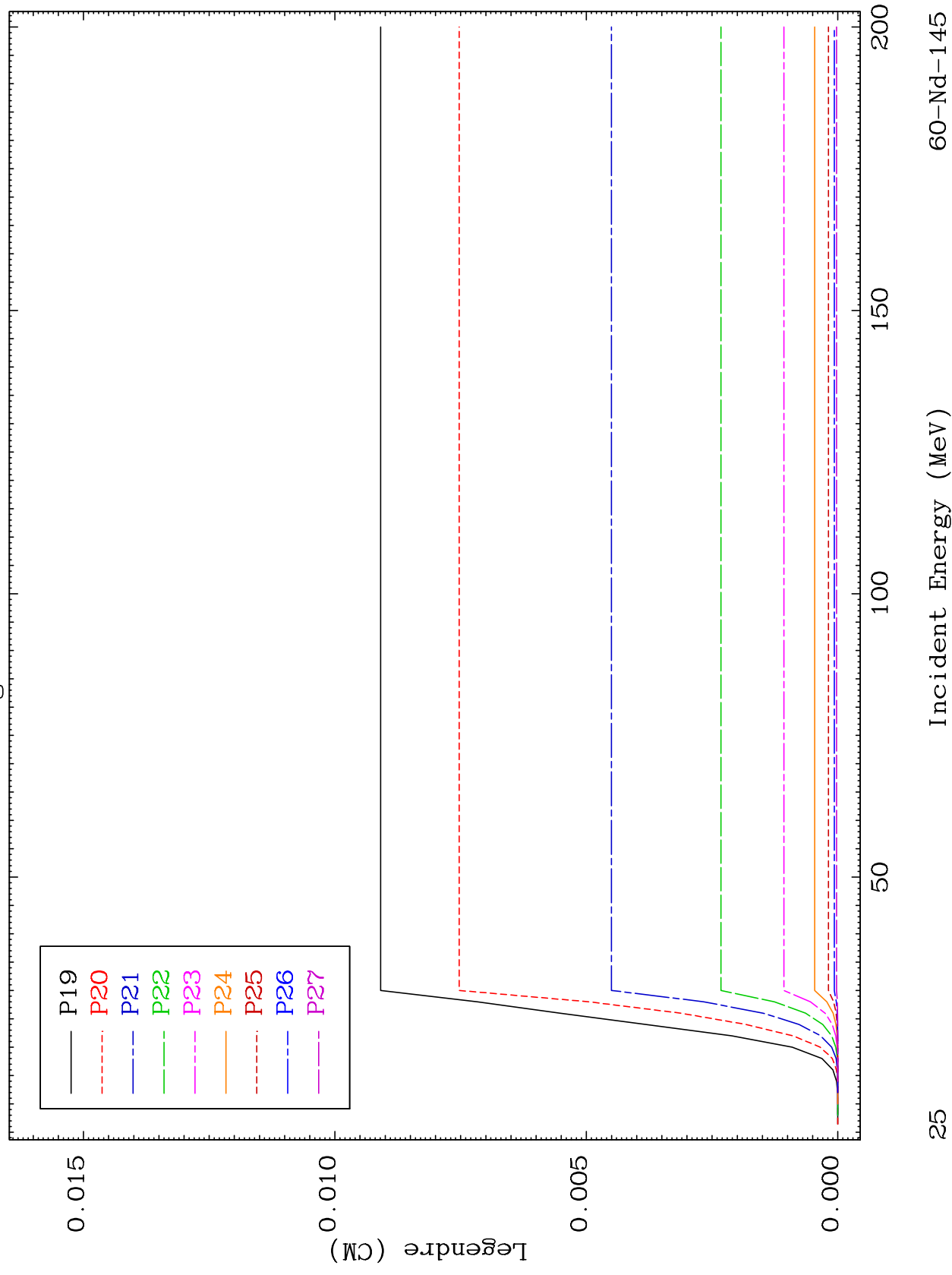




MAT 6034

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

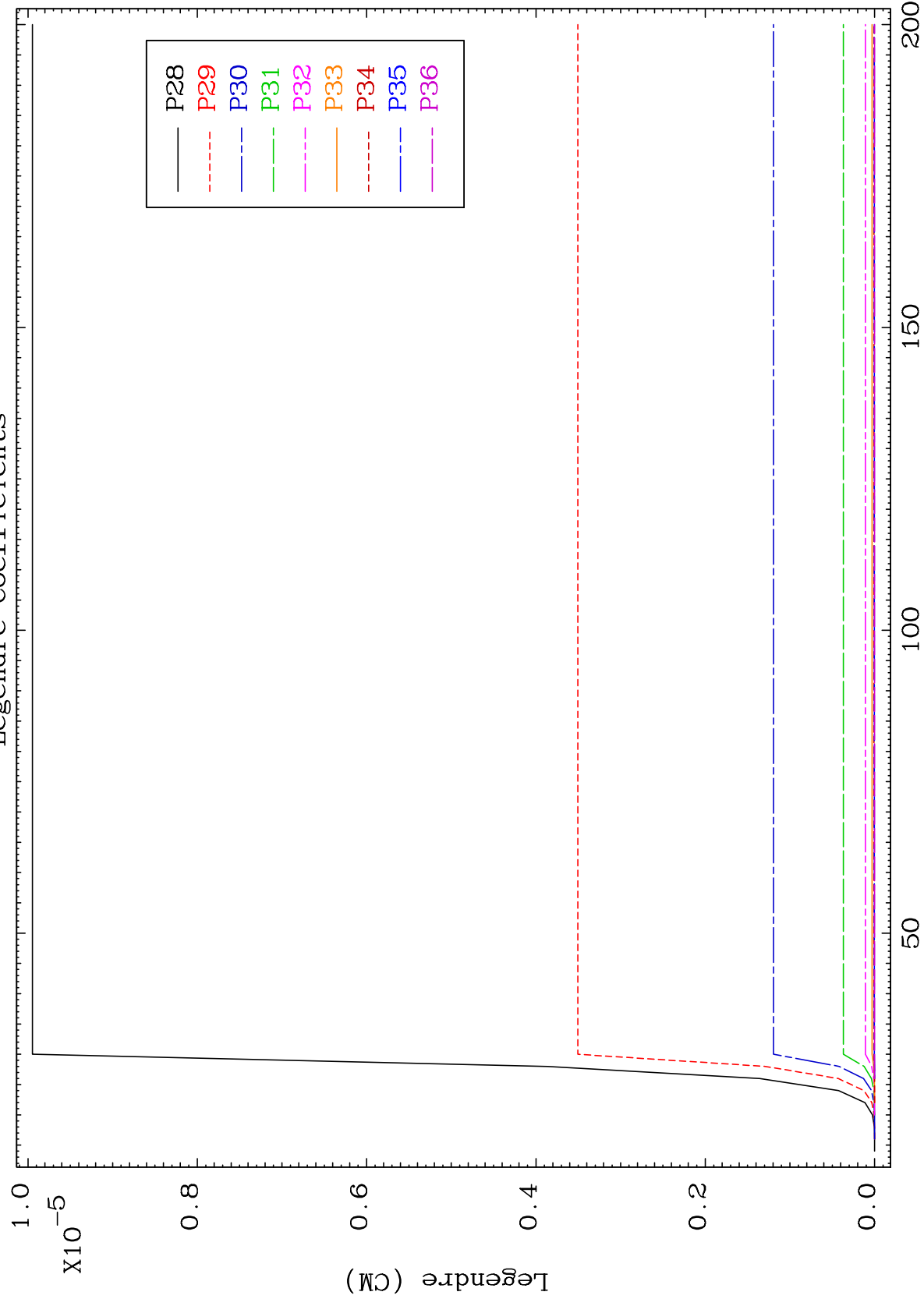
60-Nd-145



MAT 6034

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

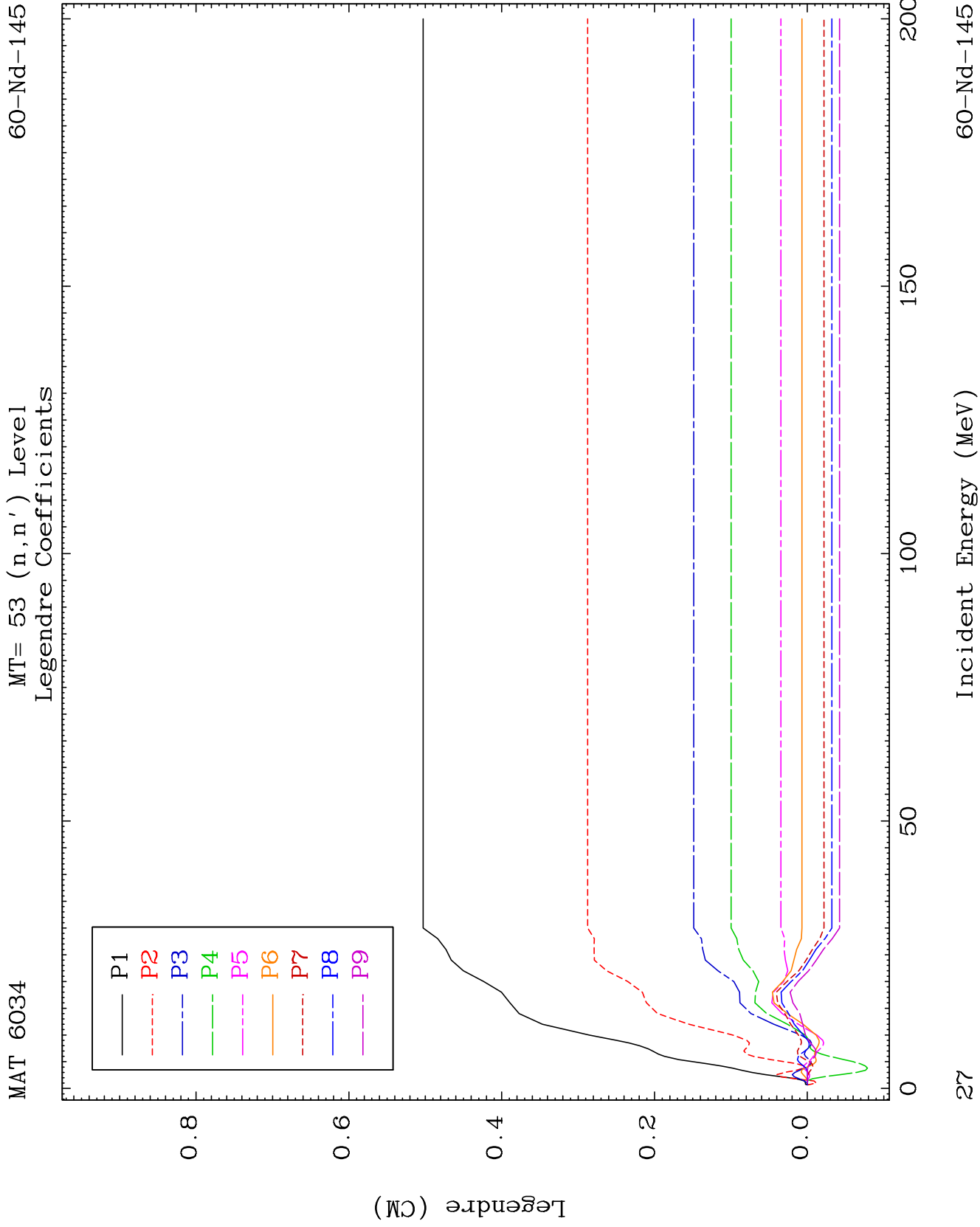
60-Nd-145



26

Incident Energy (MeV)

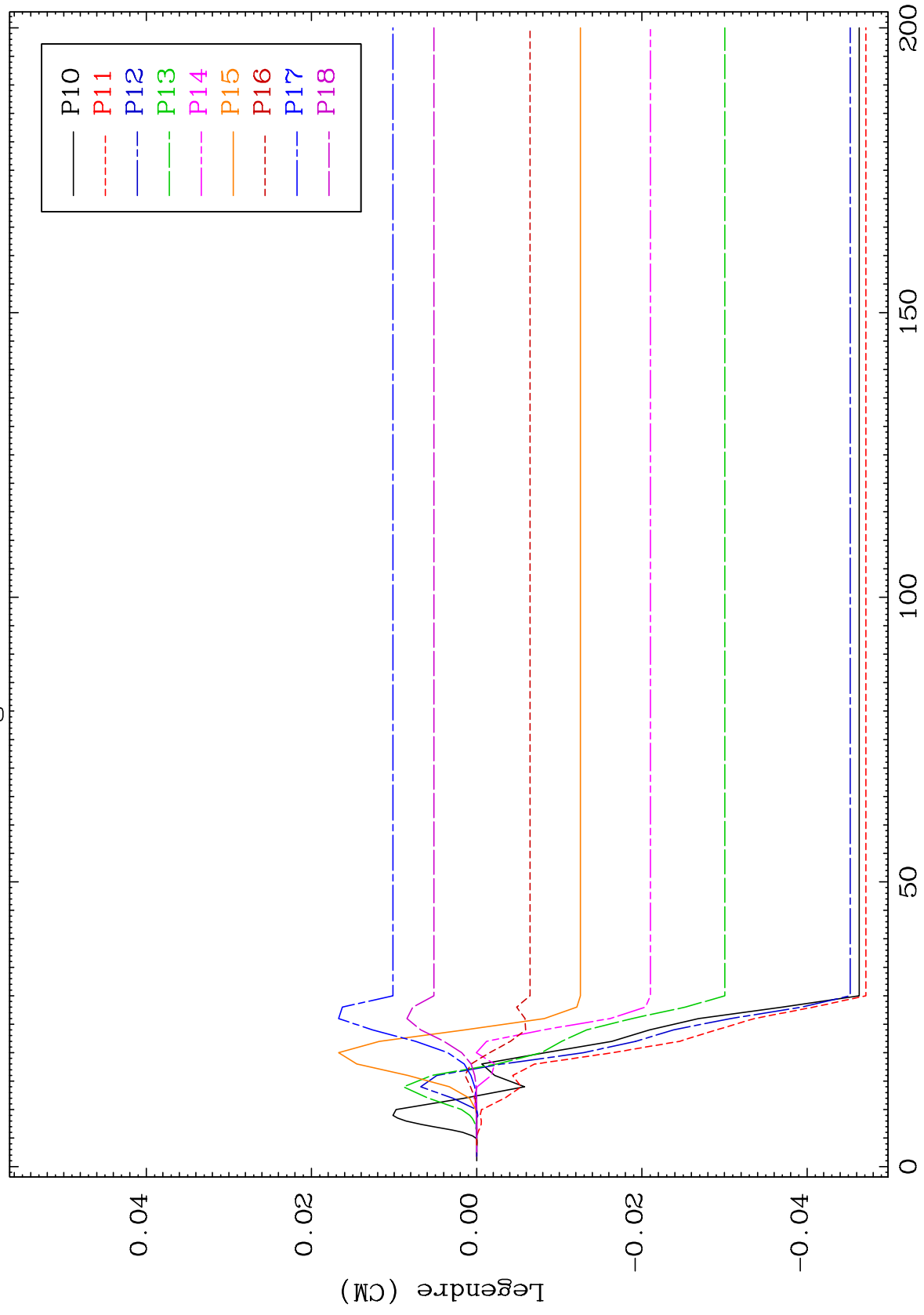
60-Nd-145



MAT 6034

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

60-Nd-145



82

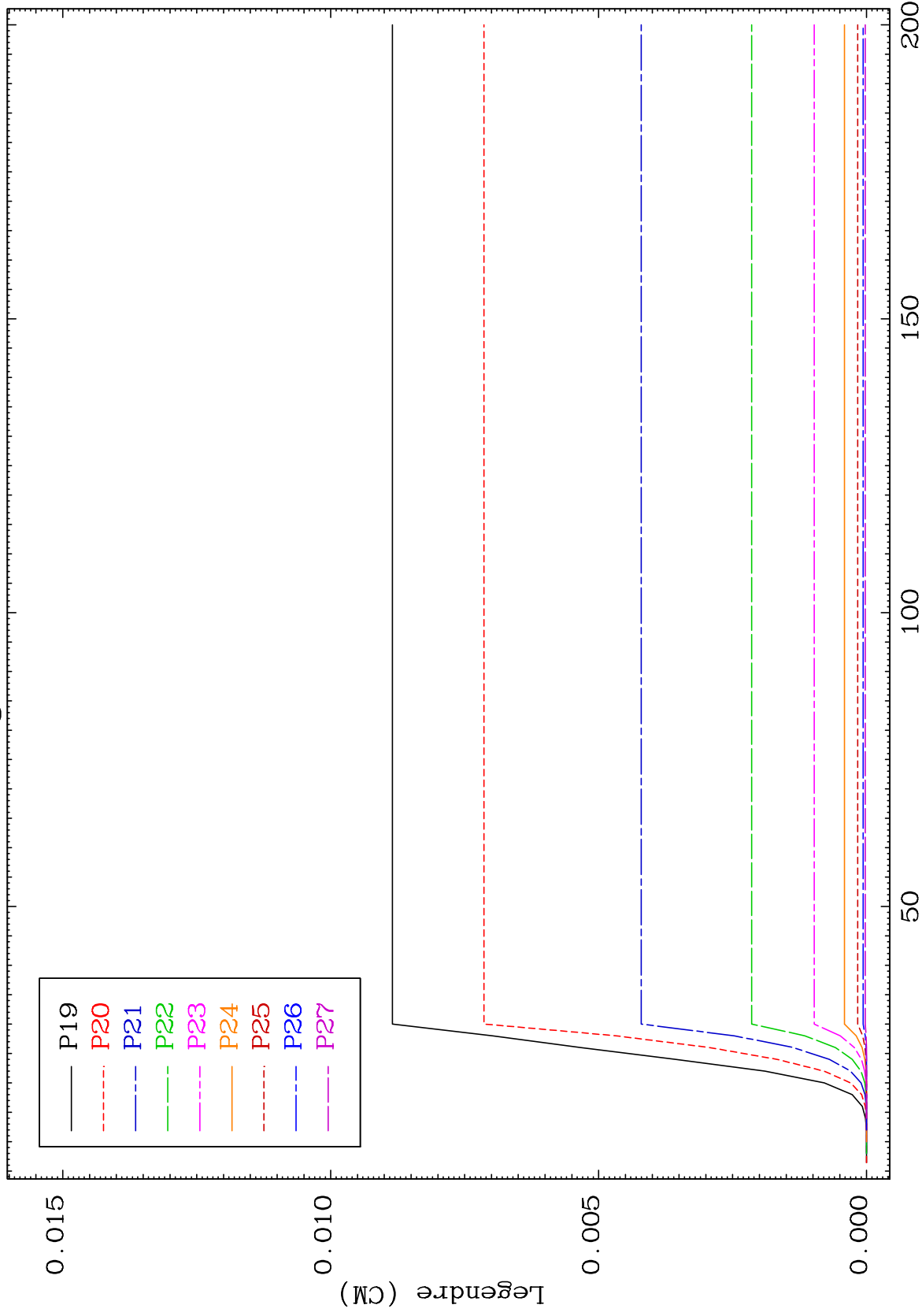
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

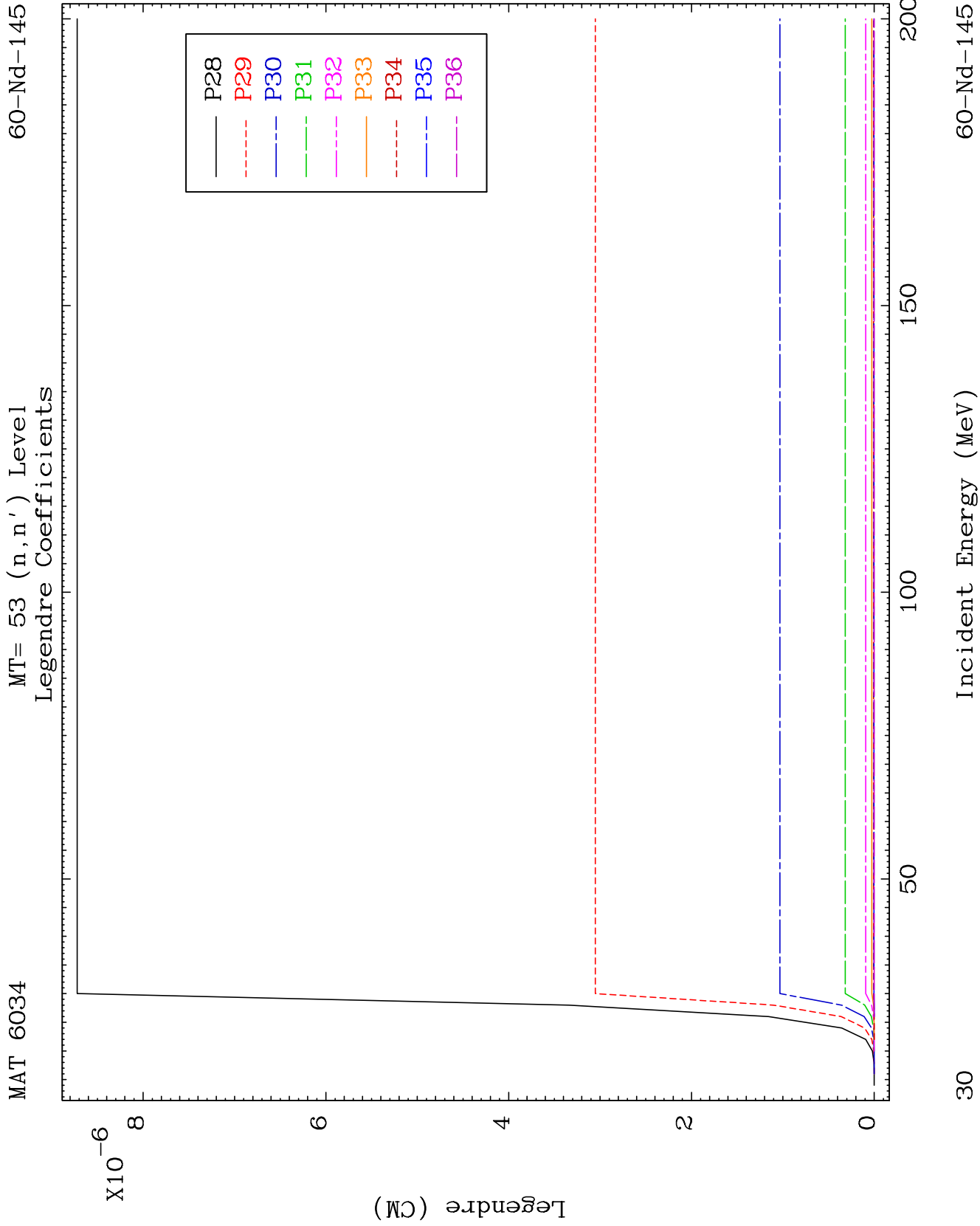
60-Nd-145

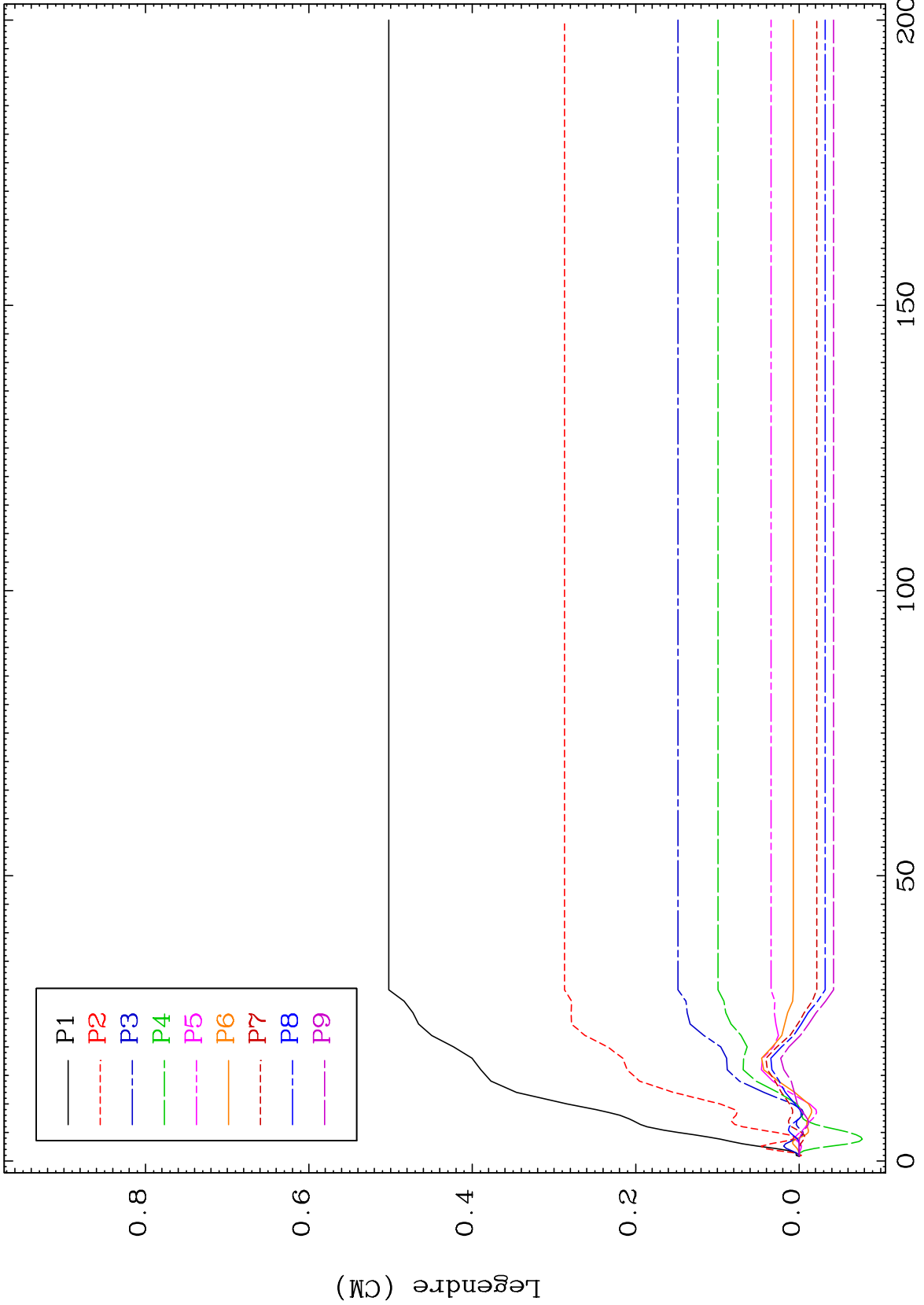


29

Incident Energy (MeV)

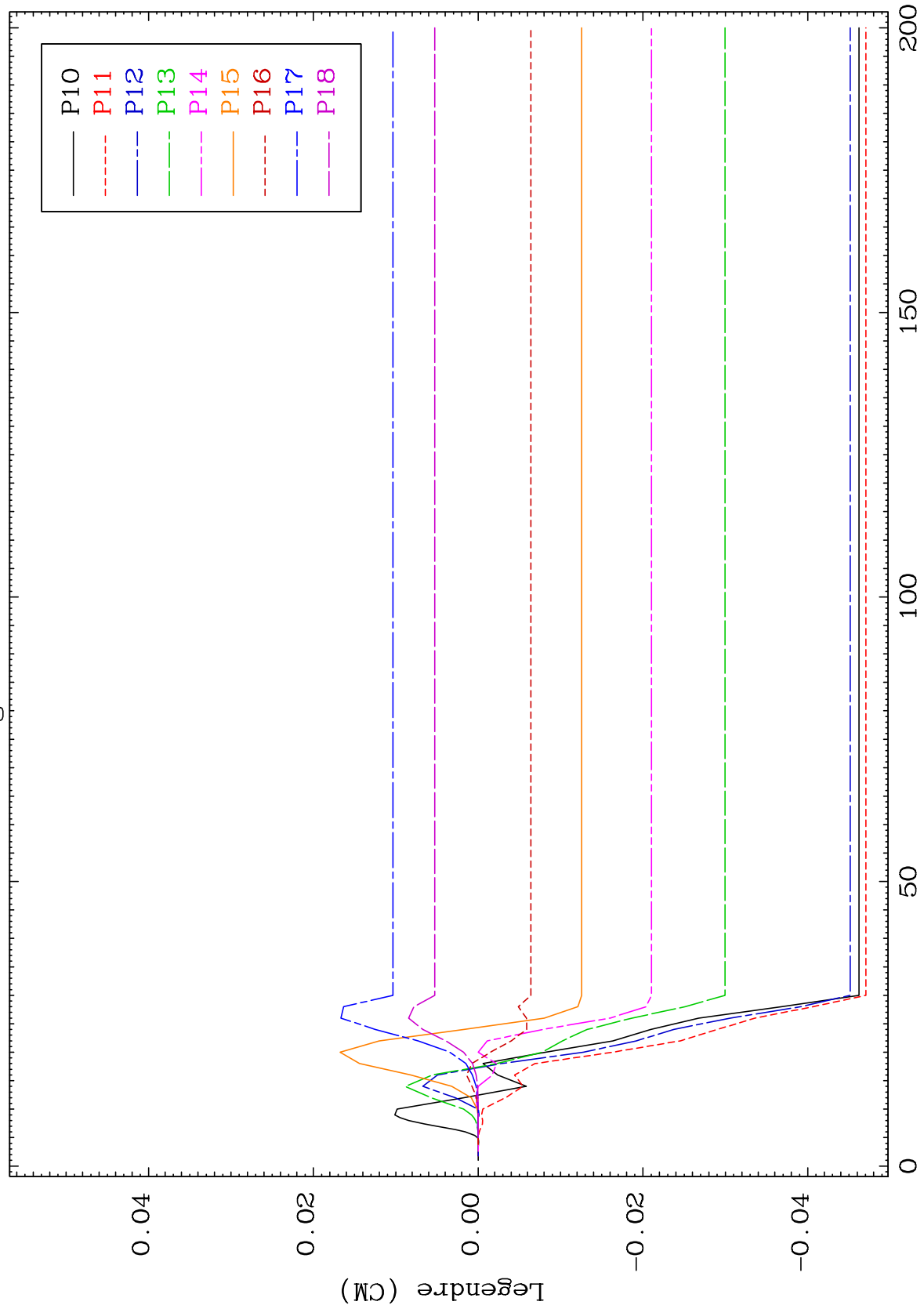
60-Nd-145





MAT 6034

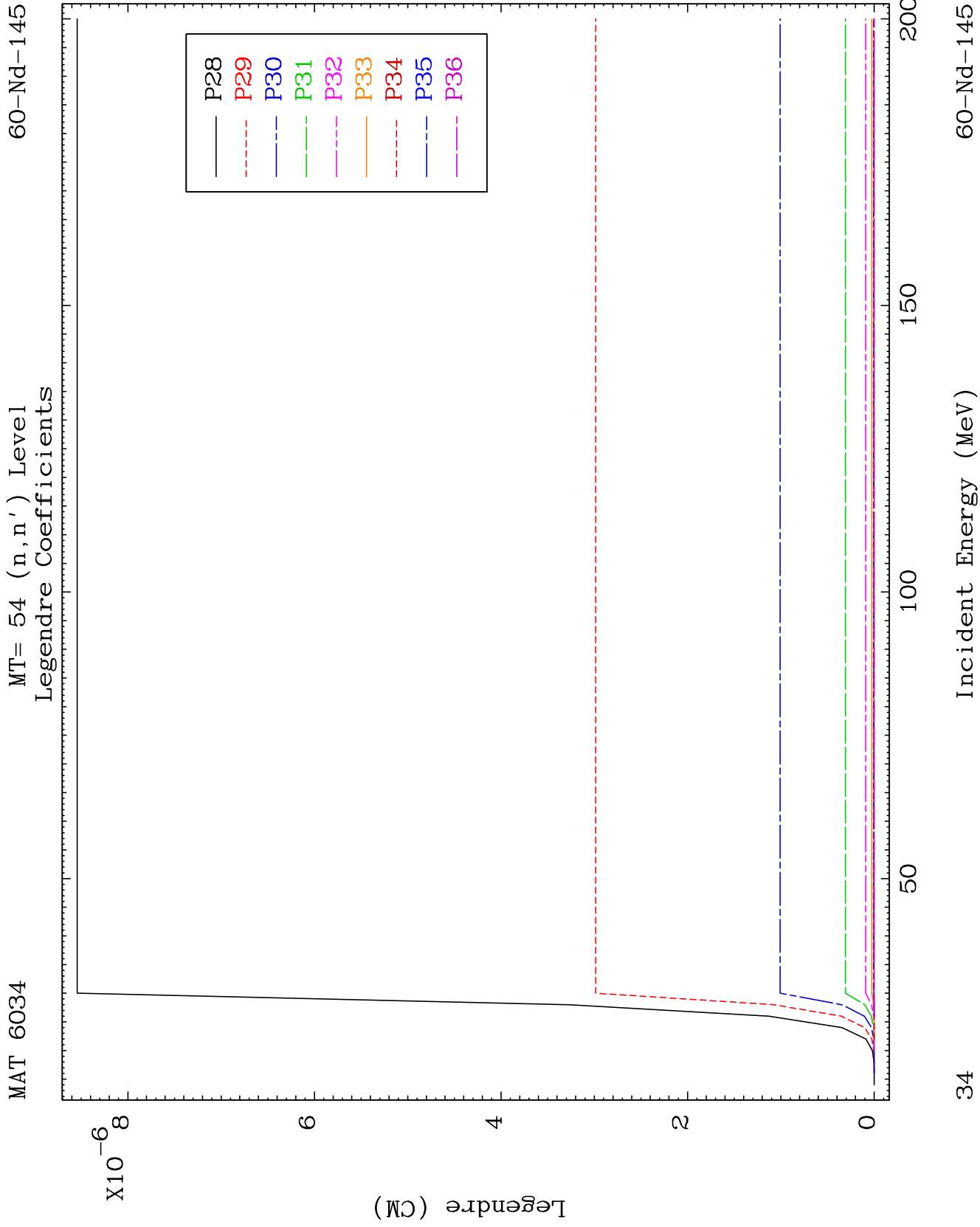
MT= 54 (n, n') Level
Legendre Coefficients

 $^{60}\text{Nd}-145$ 

32

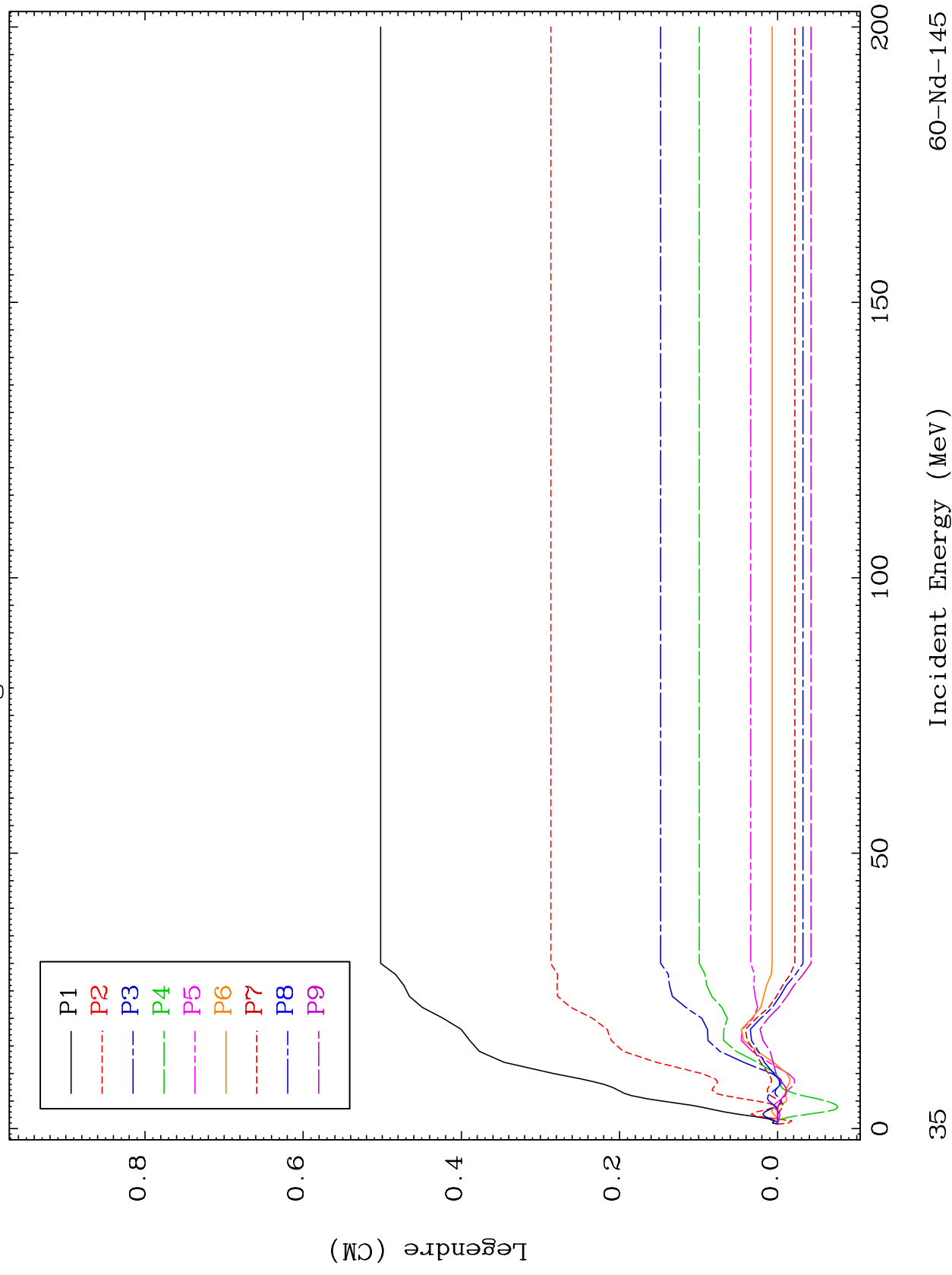
Incident Energy (MeV)

60-Nd-145



MAT 6034

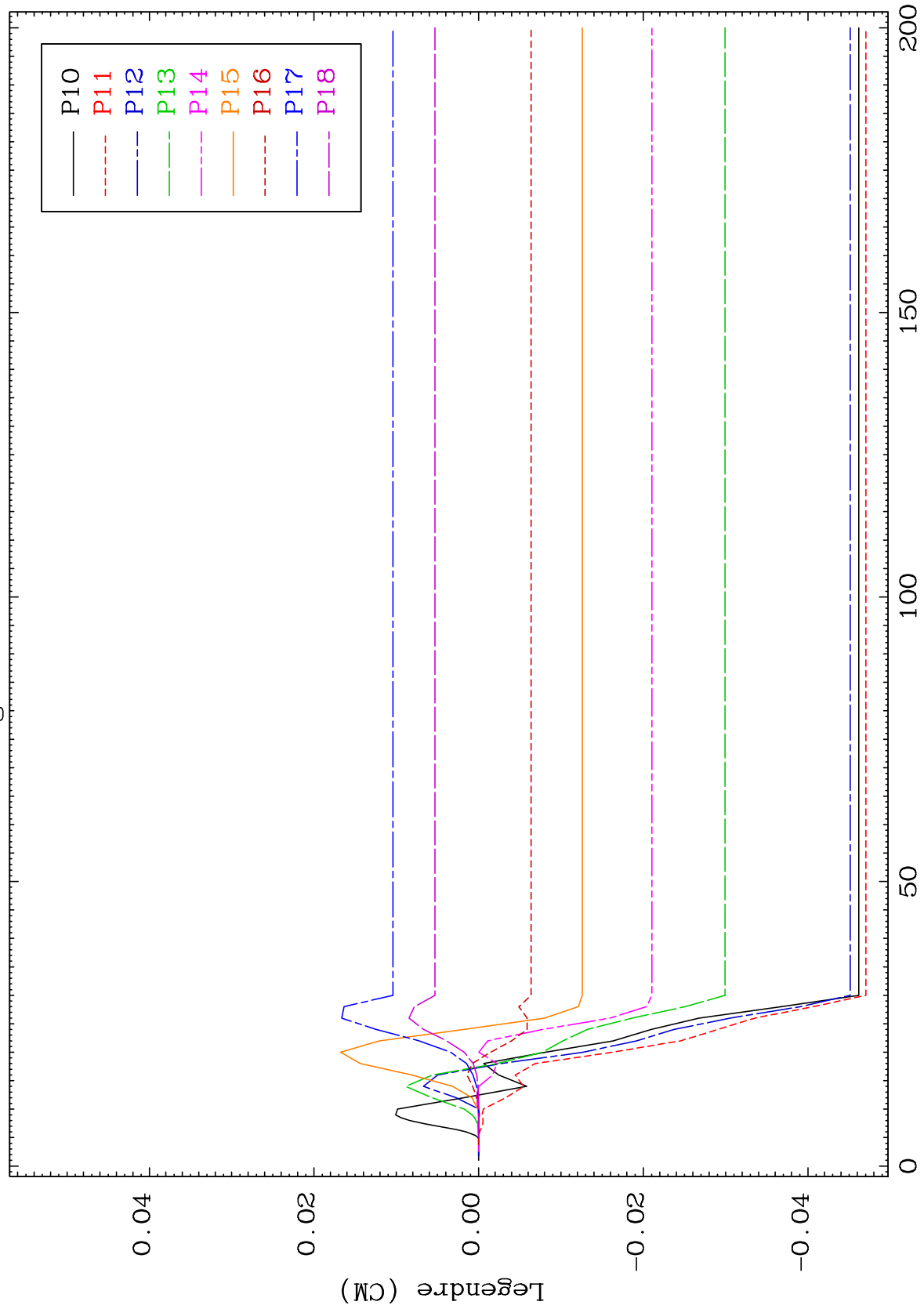
MT= 55 (n, n') Level
Legendre Coefficients

 ${}^{60}\text{Nd}-145$ 

MAT 6034

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

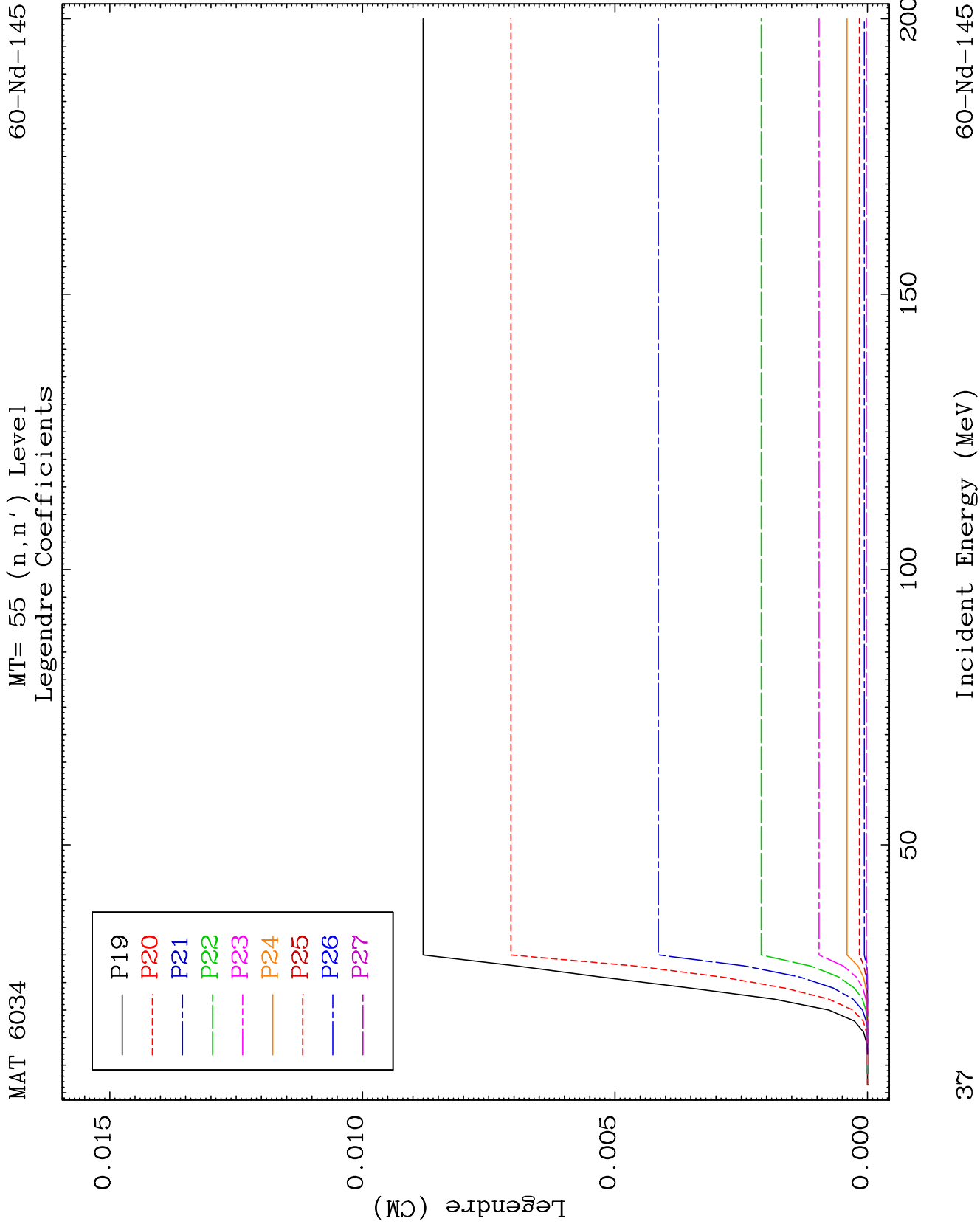
60-Nd-145



36

Incident Energy (MeV)

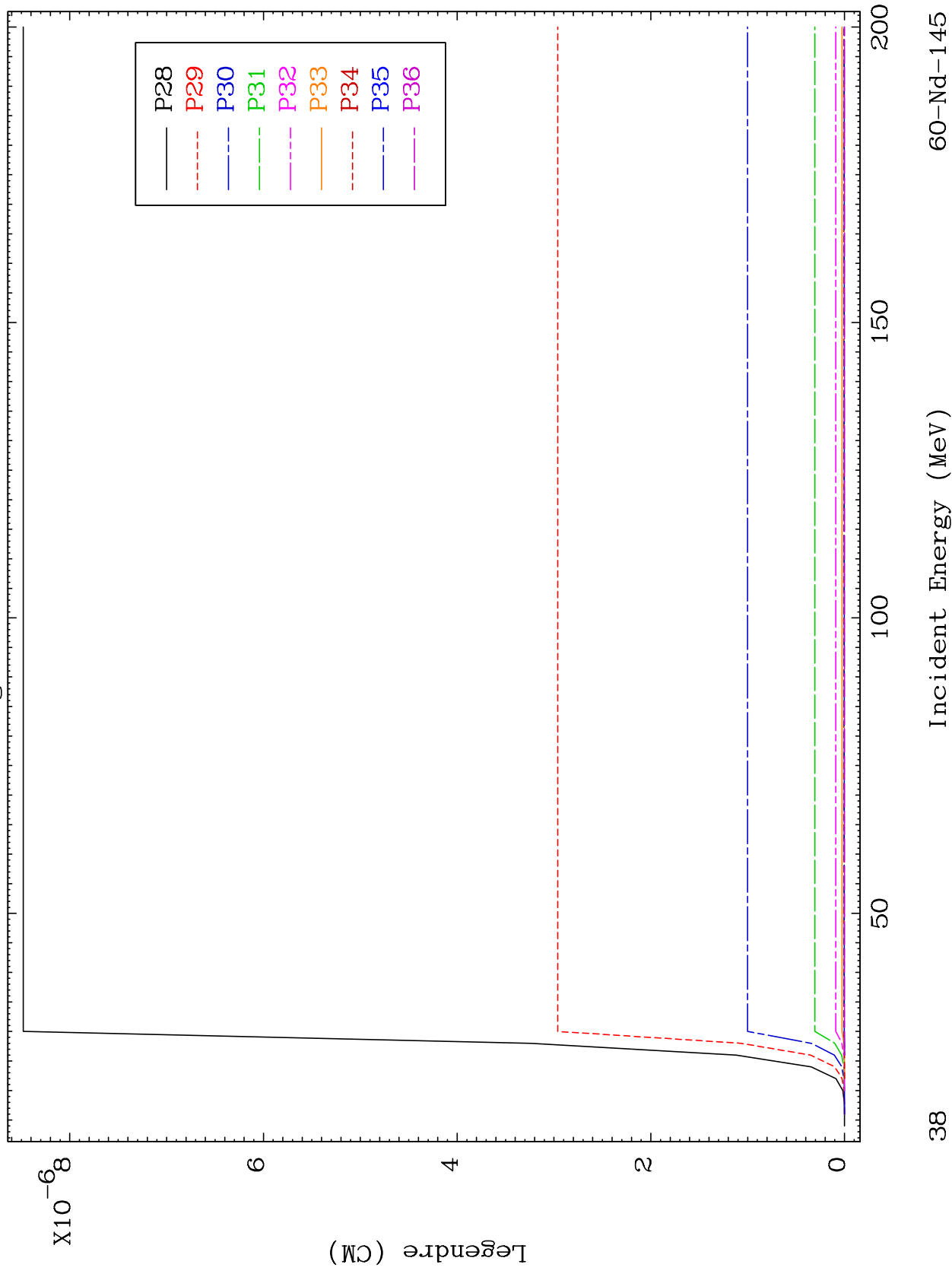
60-Nd-145

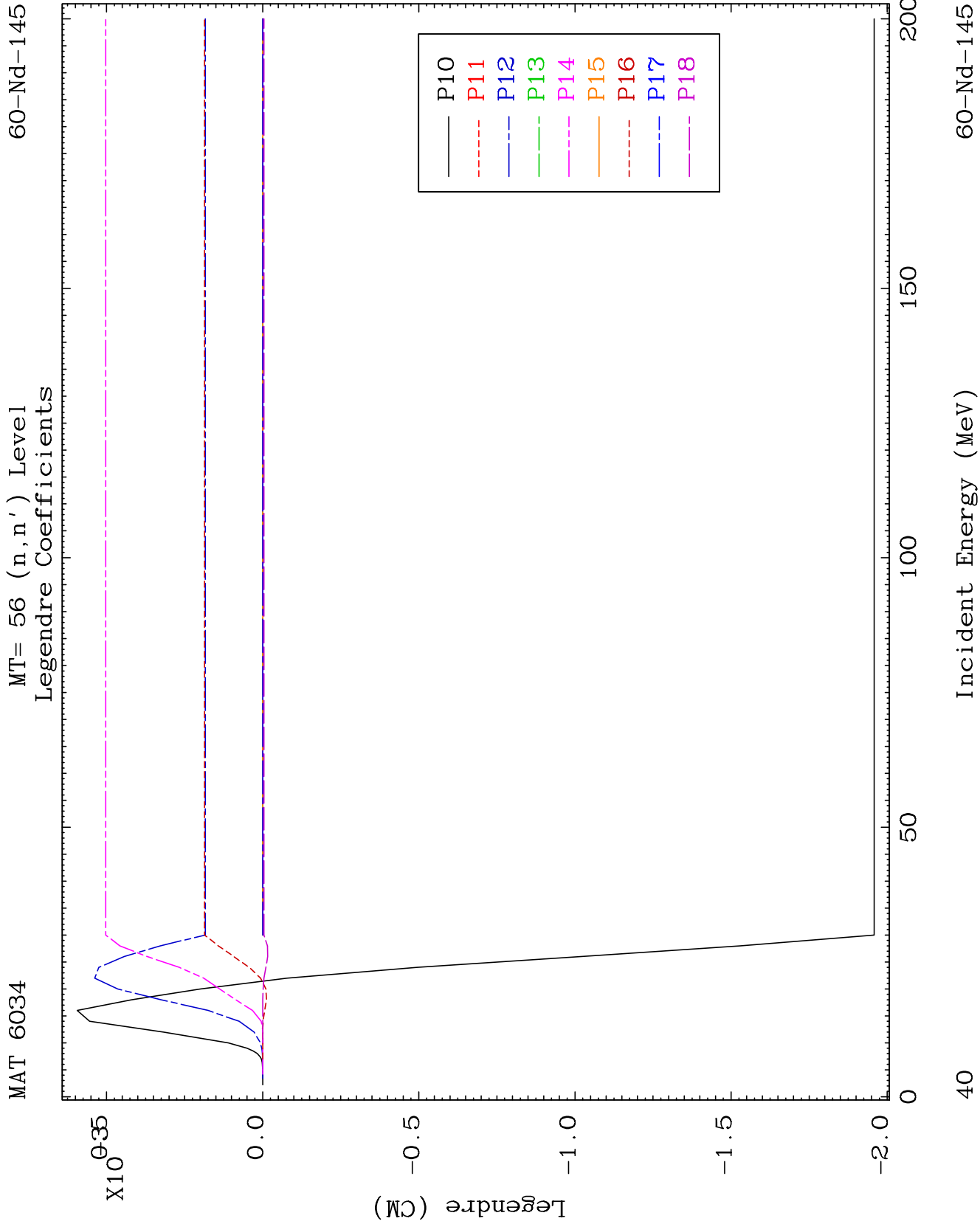


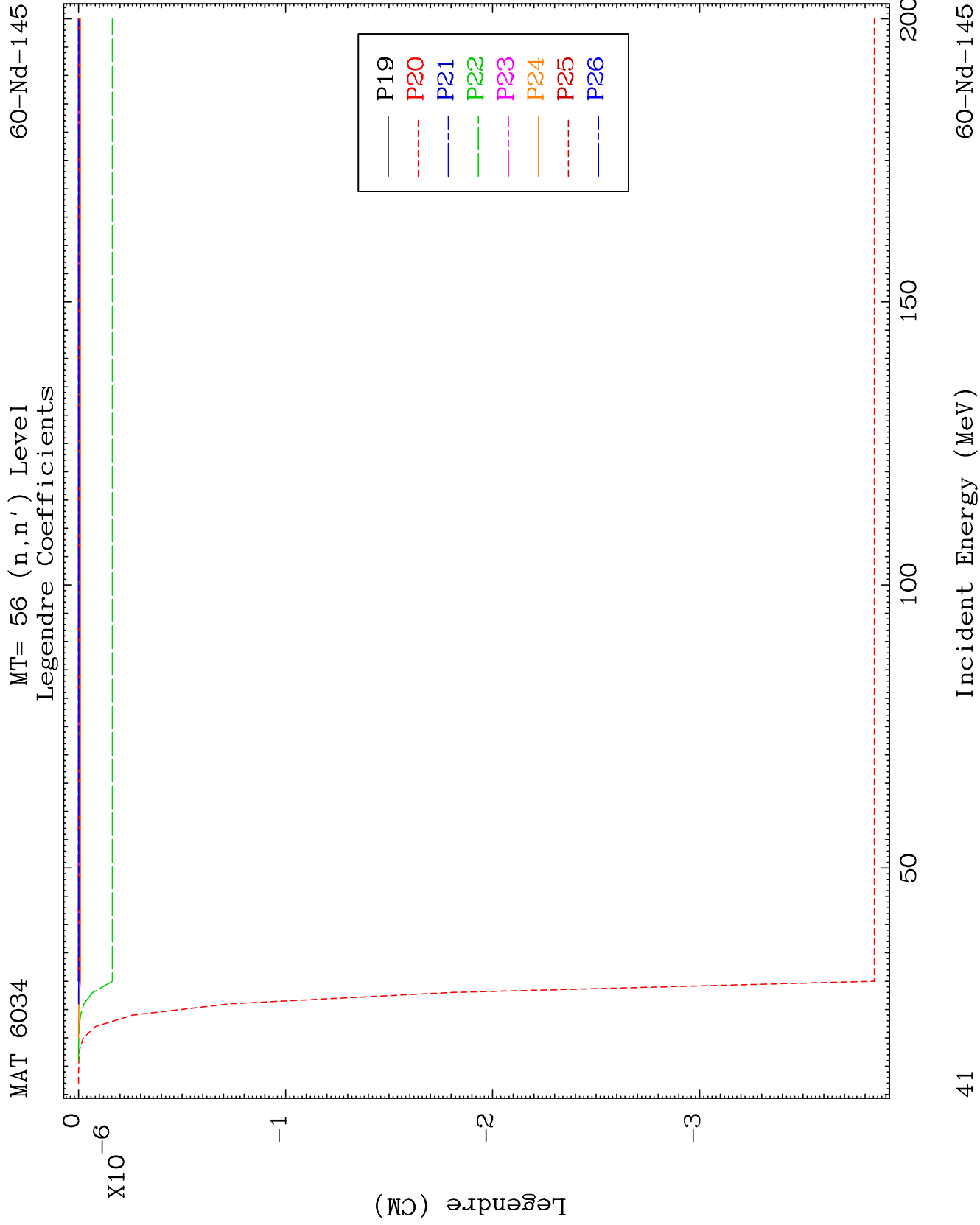
MAT 6034

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

60-Nd-145



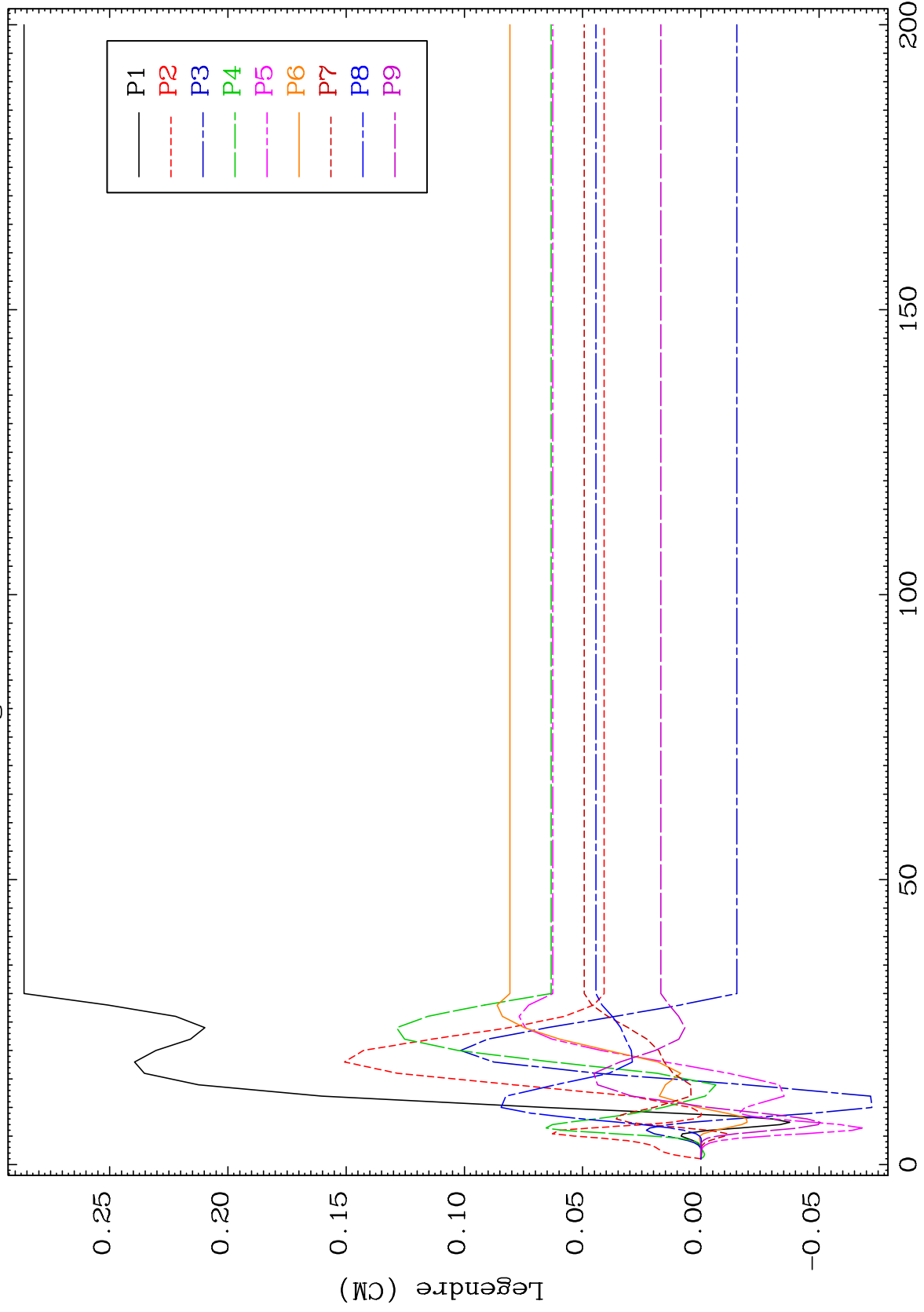




MAT 6034

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

60-Nd-145



42

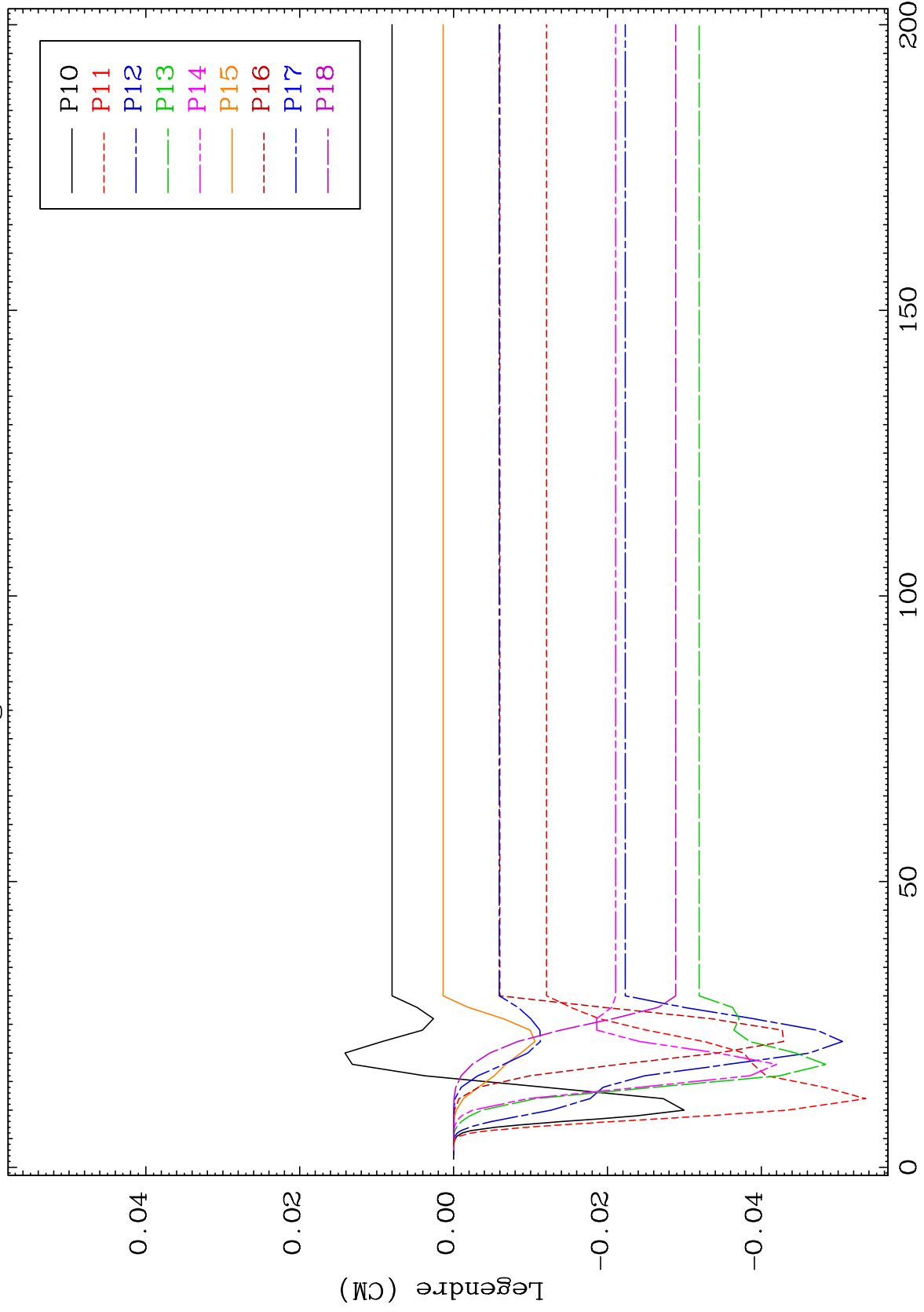
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



43

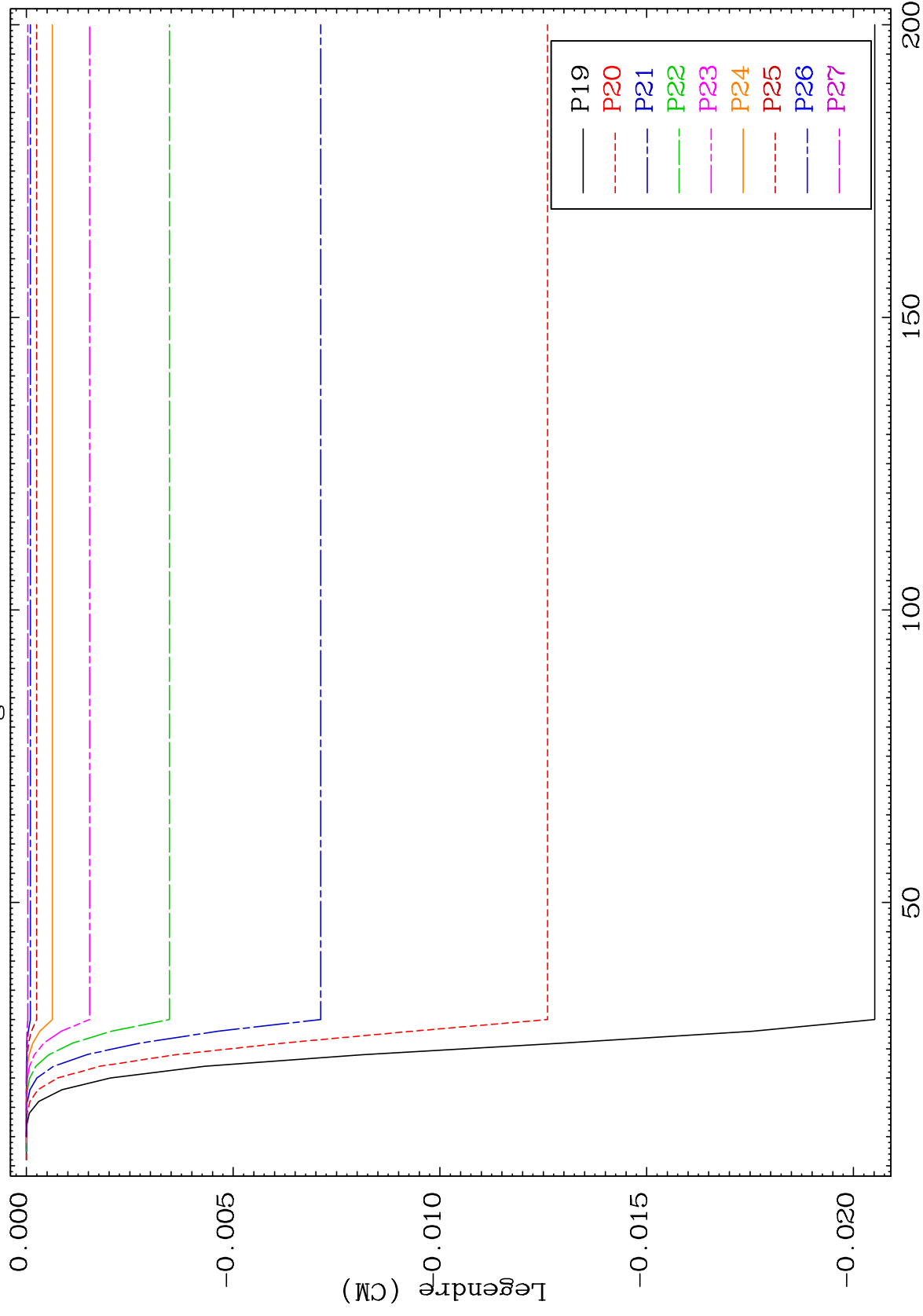
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

60-Nd-145



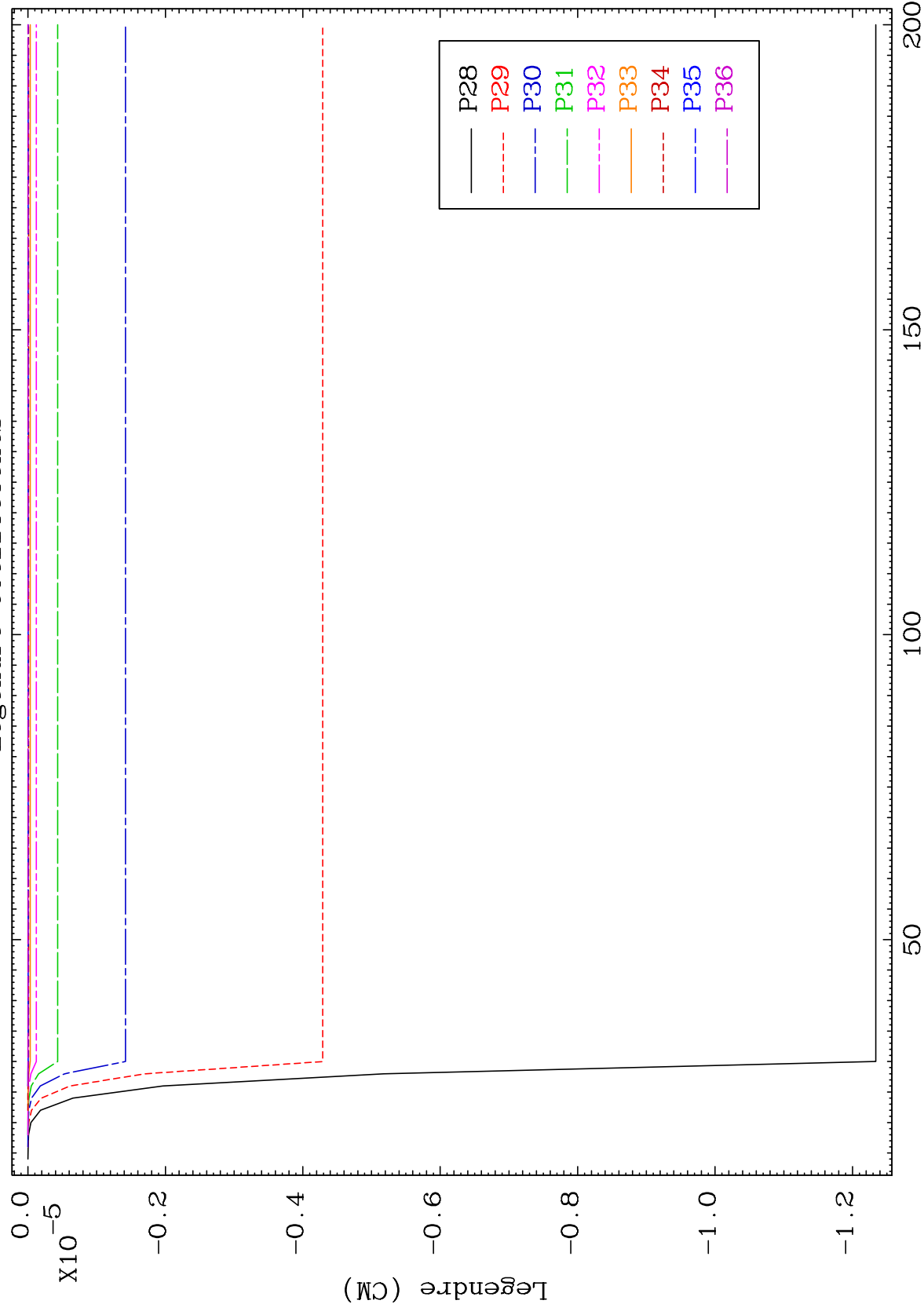
44

Incident Energy (MeV)

60-Nd-145

MAT 6034

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

 ${}^{60}\text{Nd}-145$ 

45

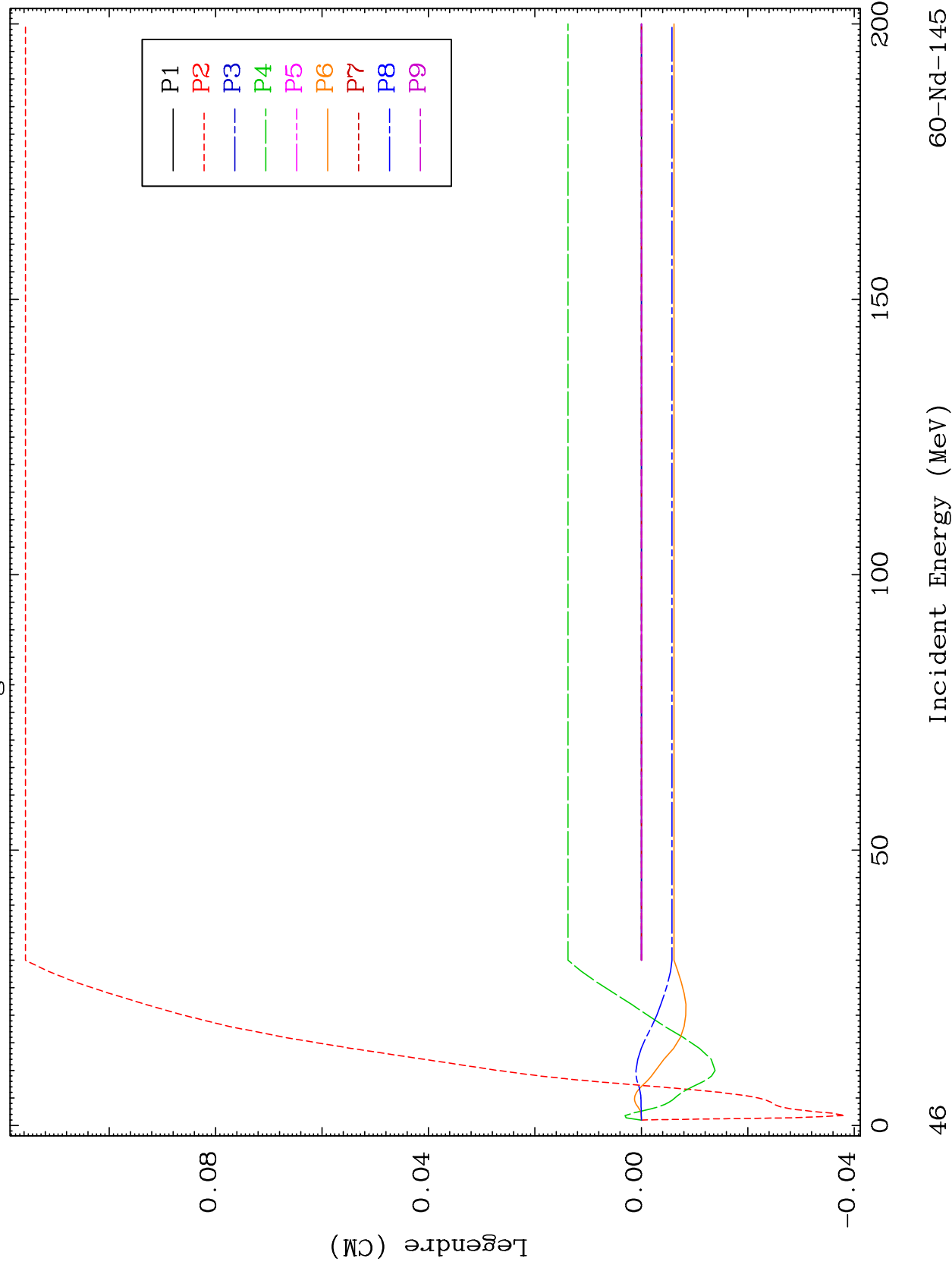
Incident Energy (MeV)

60-Nd-145

MAT 6034

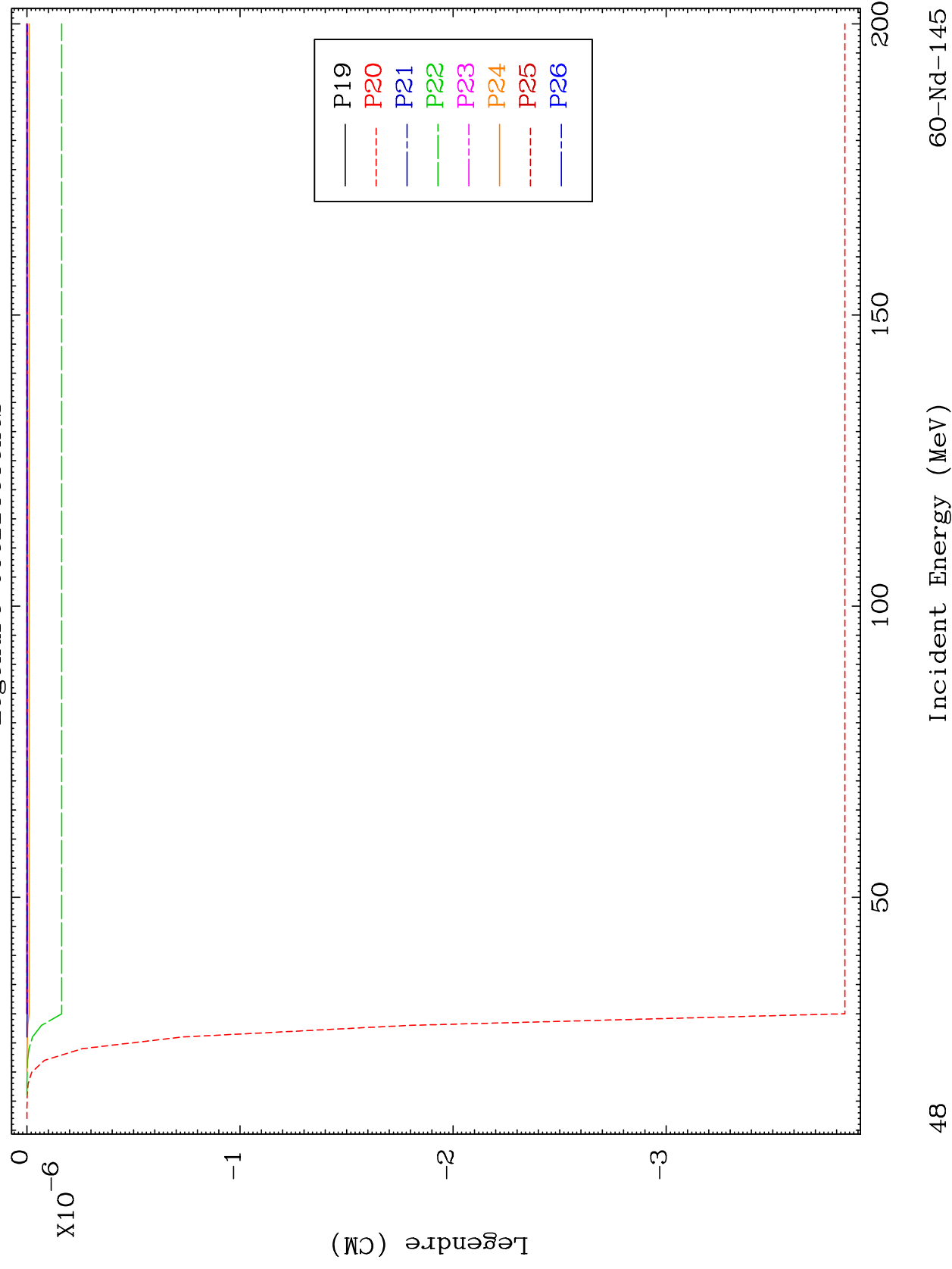
MT= 58 (n, n') Level
Legendre Coefficients

60-Nd-145



MAT 6034

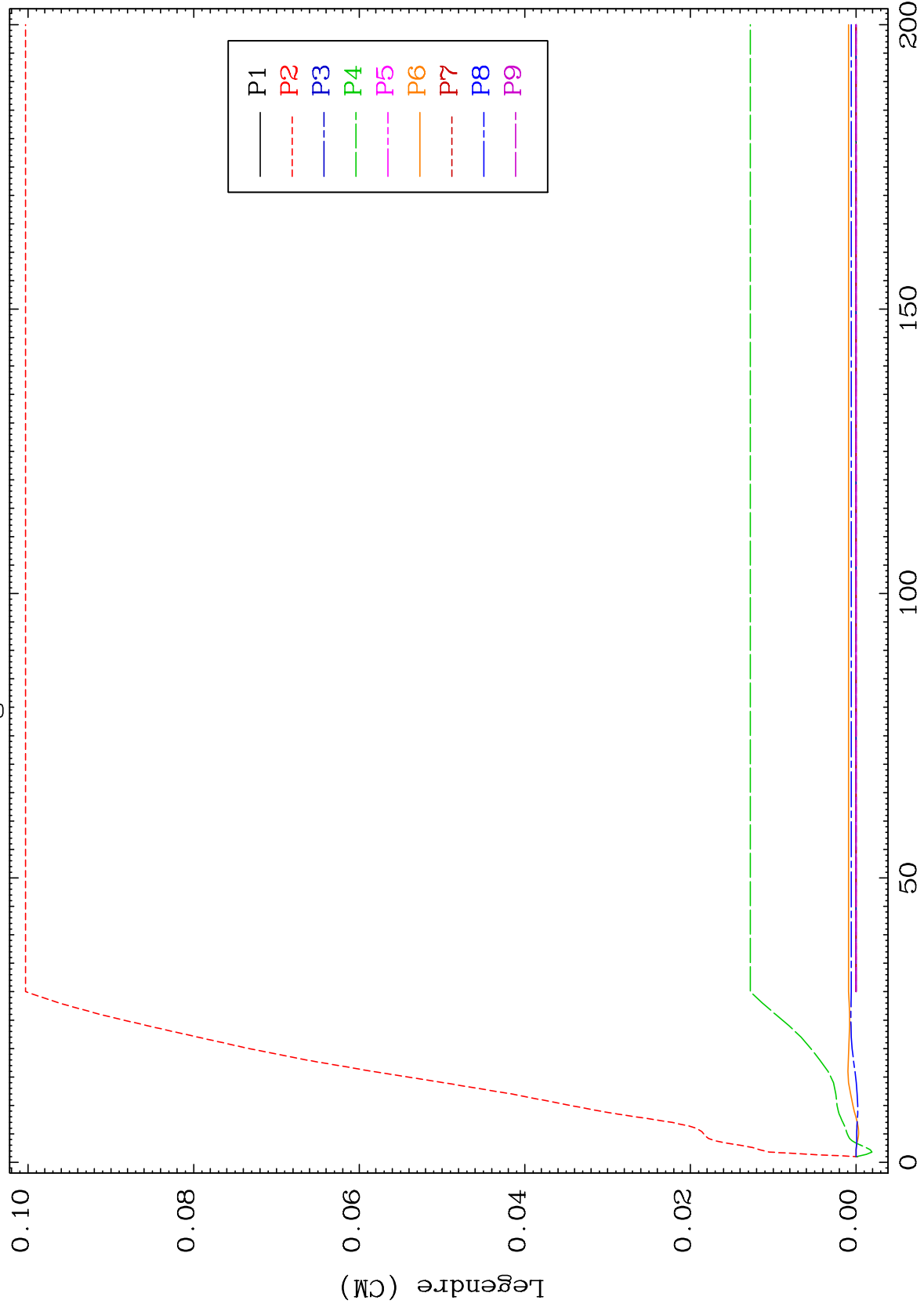
MT= 58 (n, n') Level
Legendre Coefficients

 ${}^{60}\text{Nd}-145$ 

MAT 6034

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

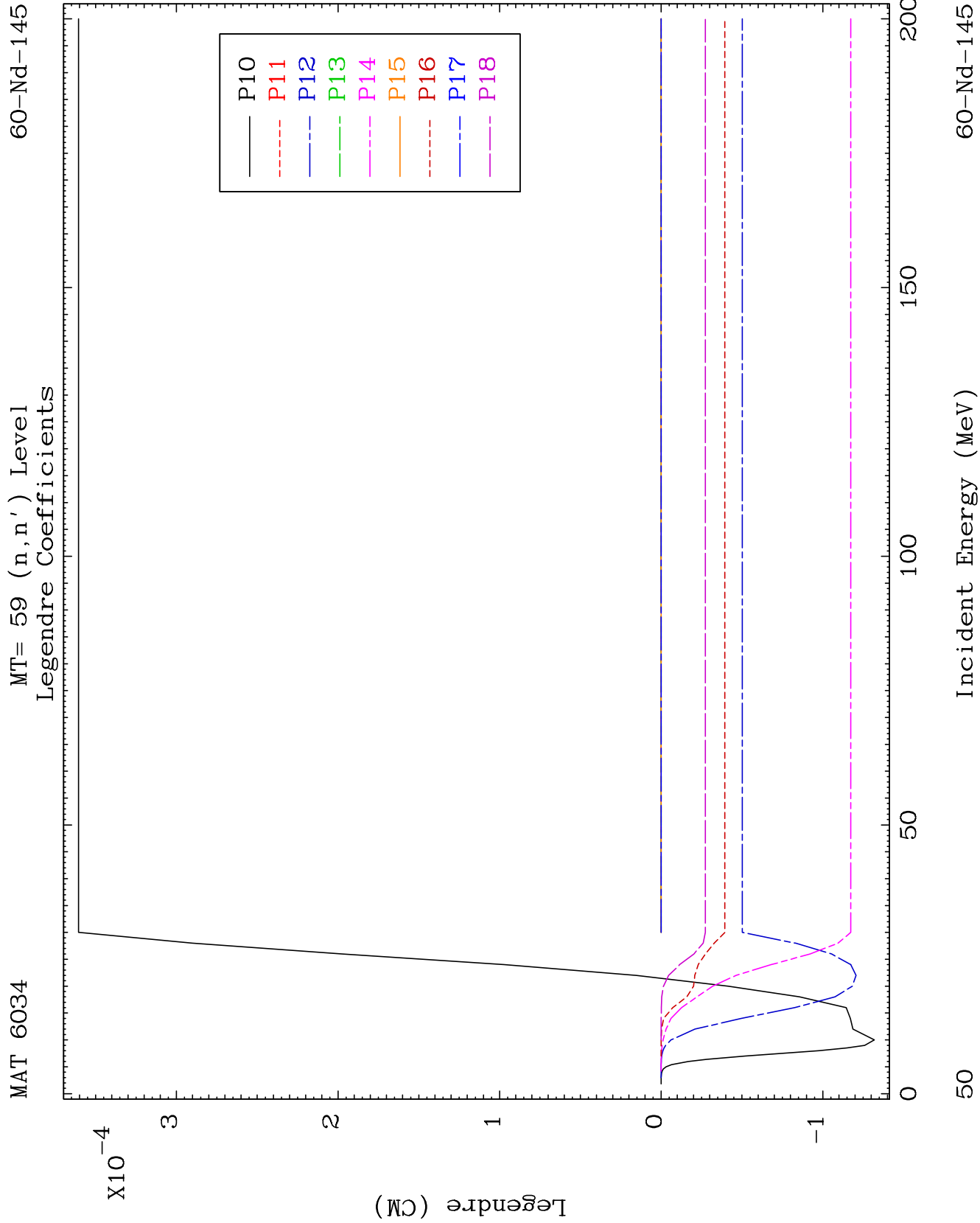
60-Nd-145

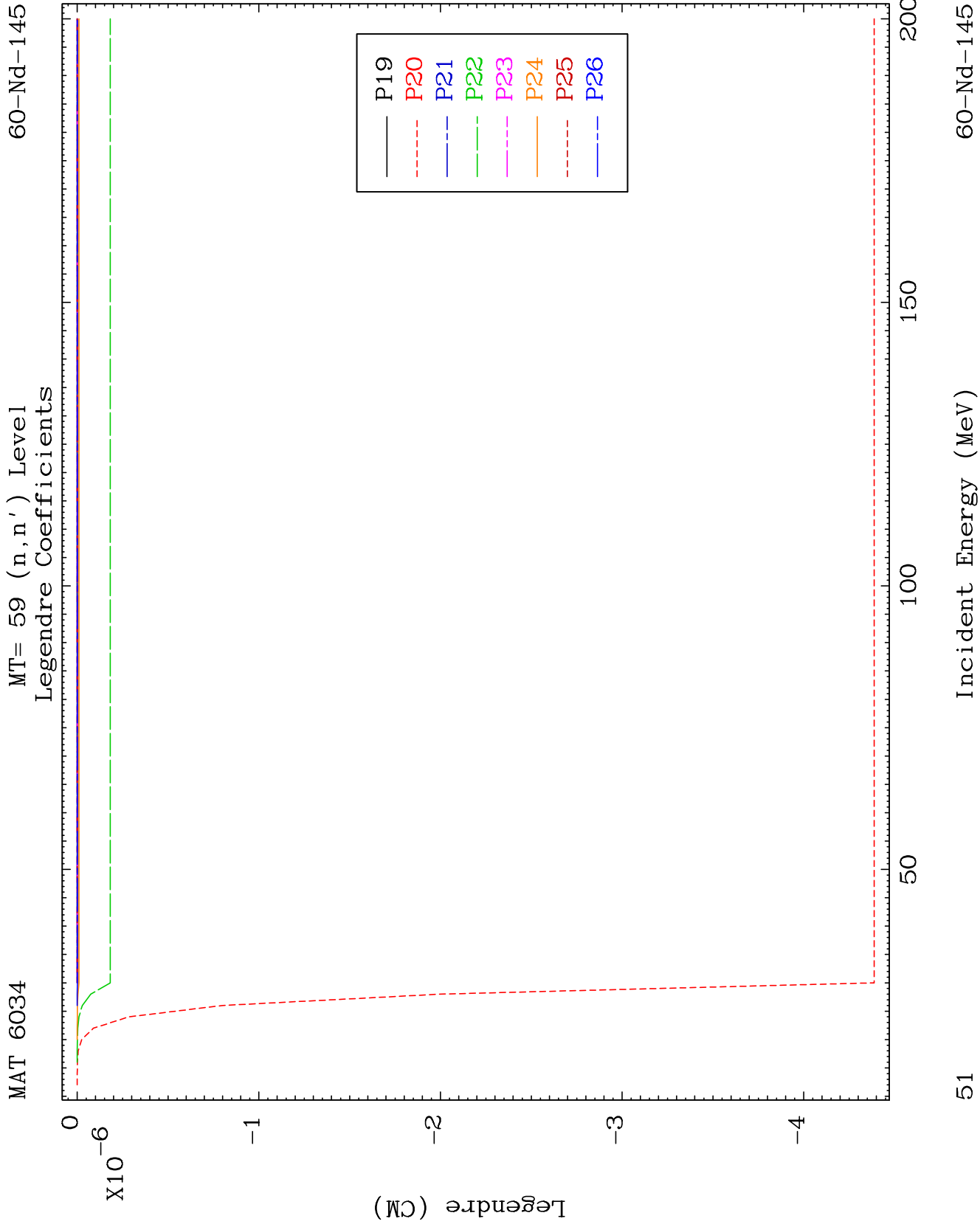


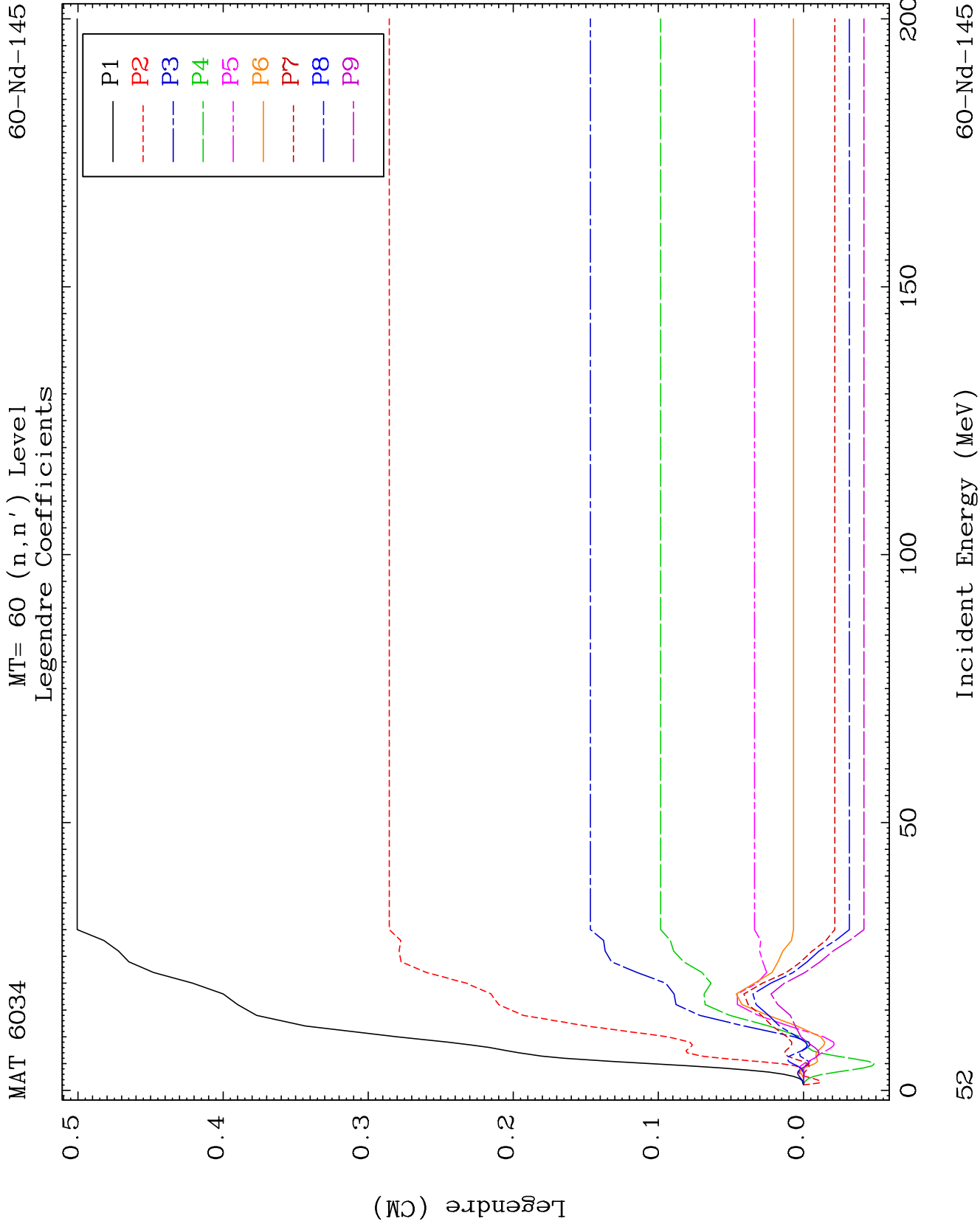
49

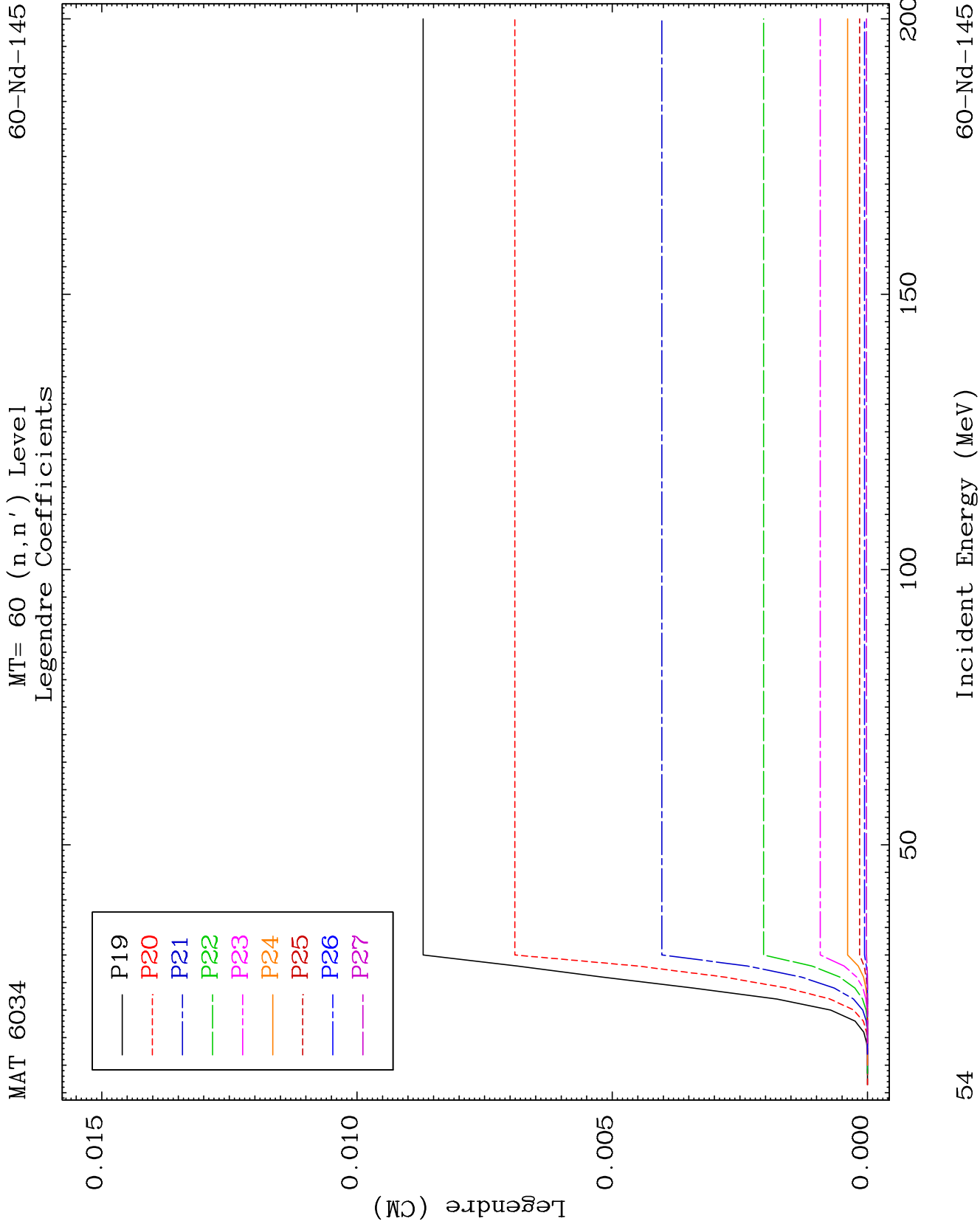
Incident Energy (MeV)

60-Nd-145





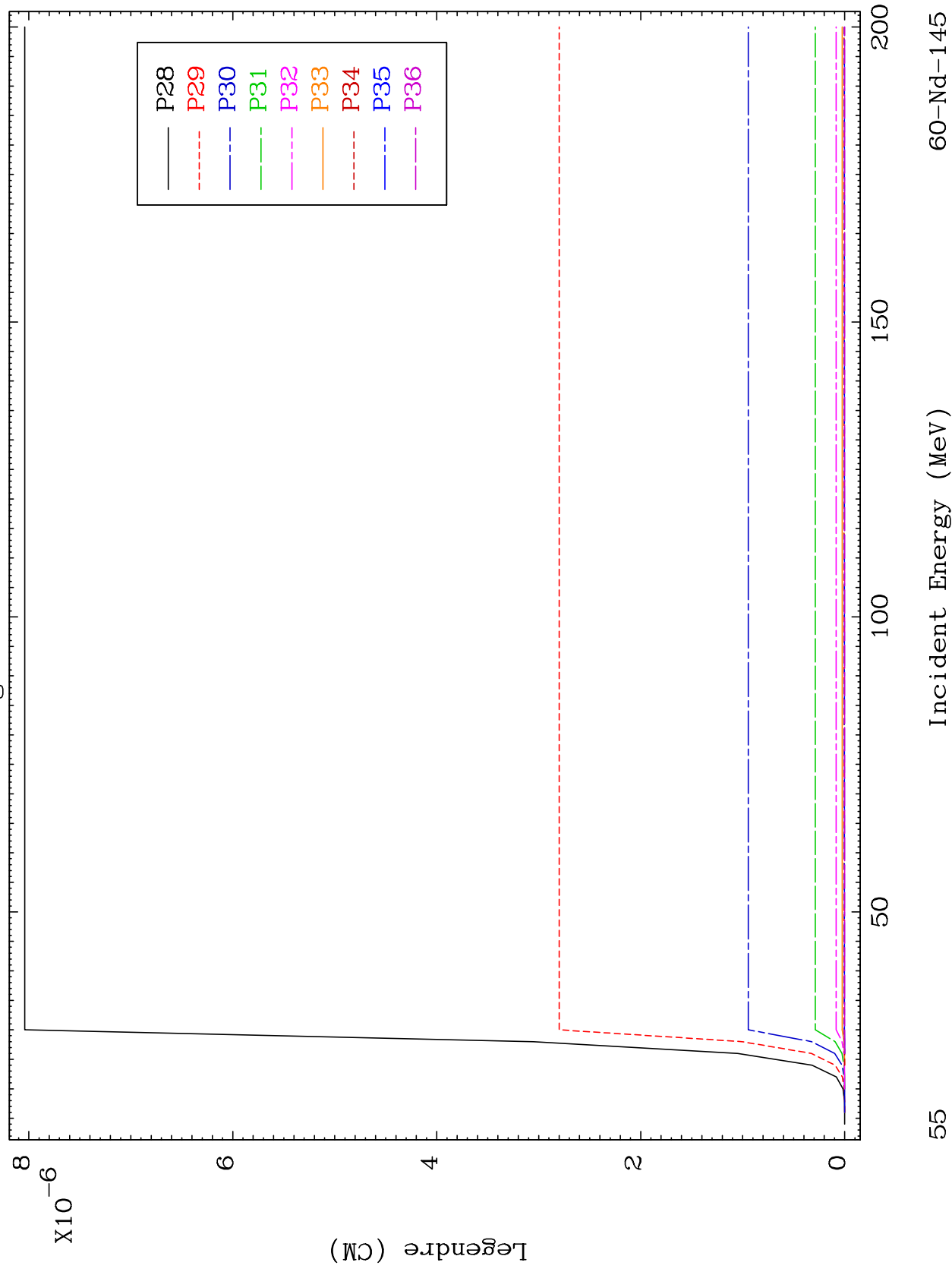


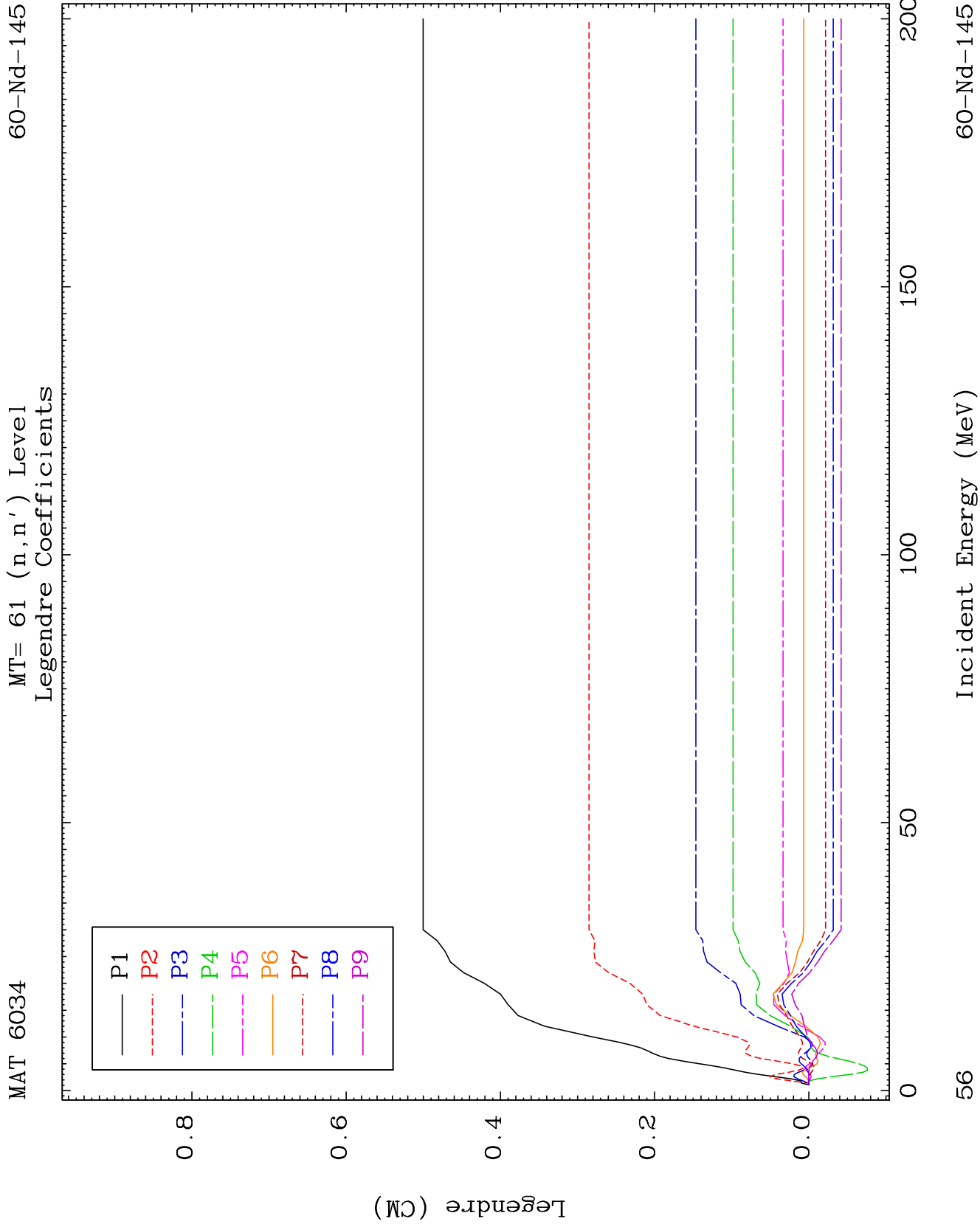


MAT 6034

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

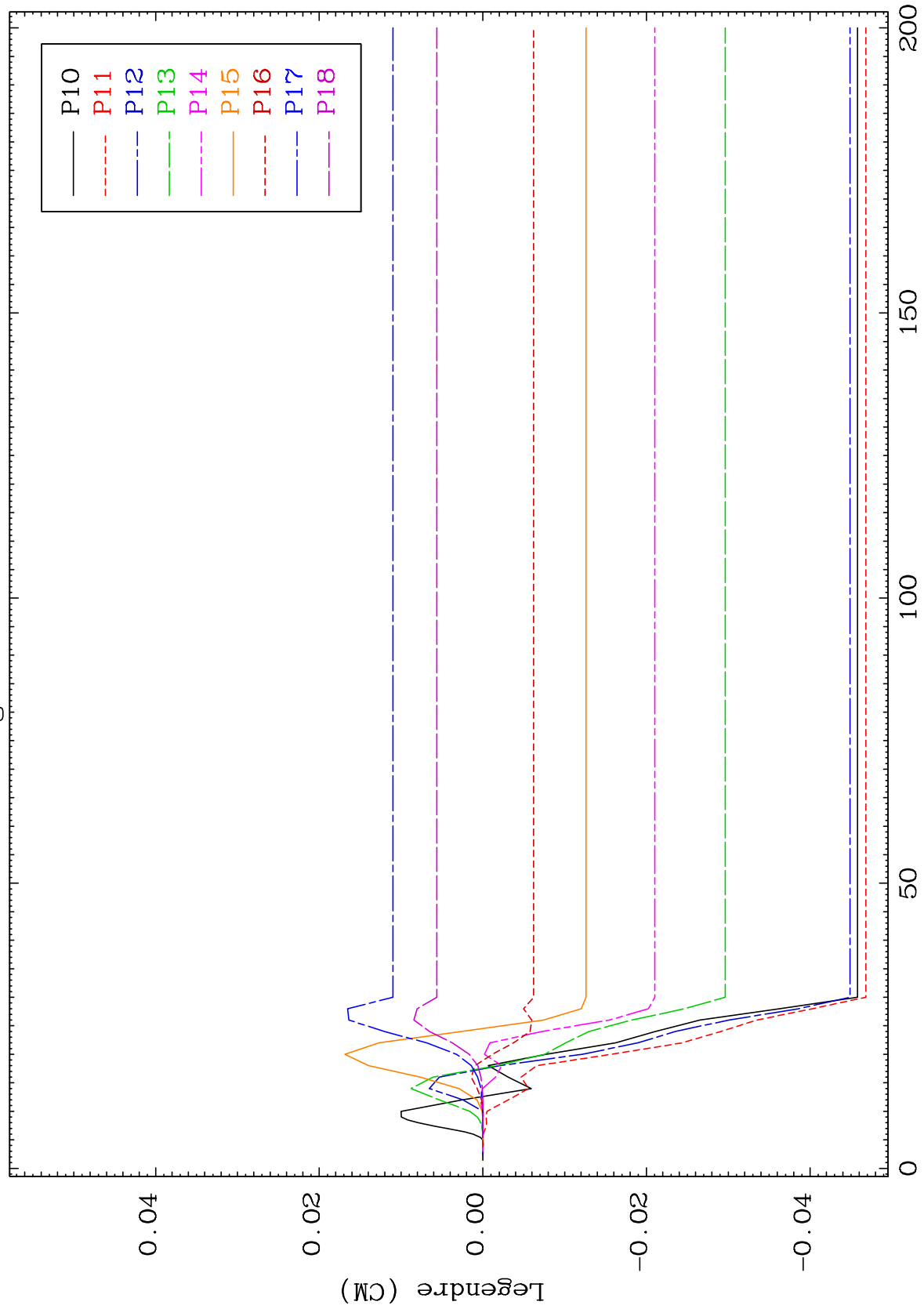
60-Nd-145





MAT 6034

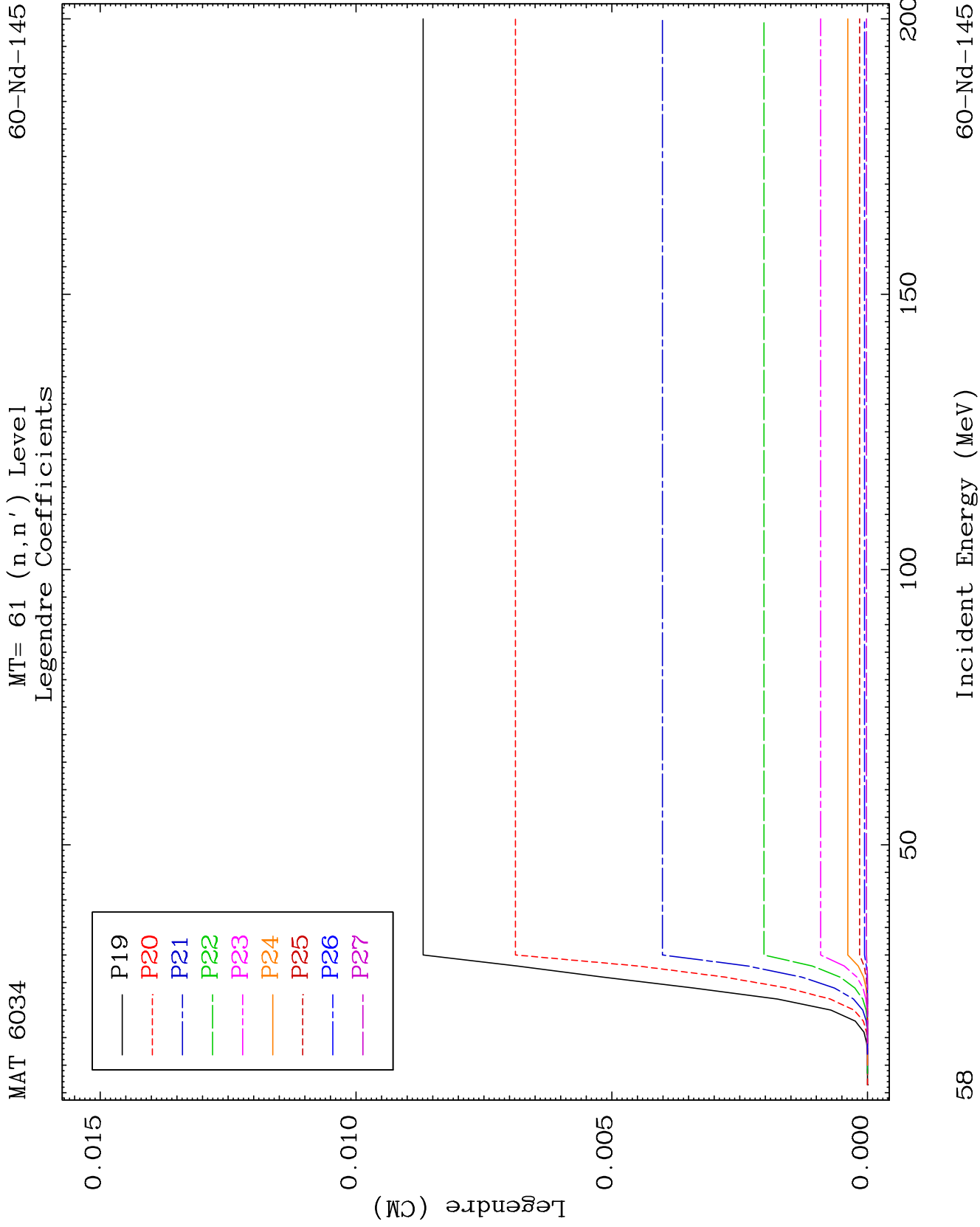
MT= 61 (n, n') Level
Legendre Coefficients

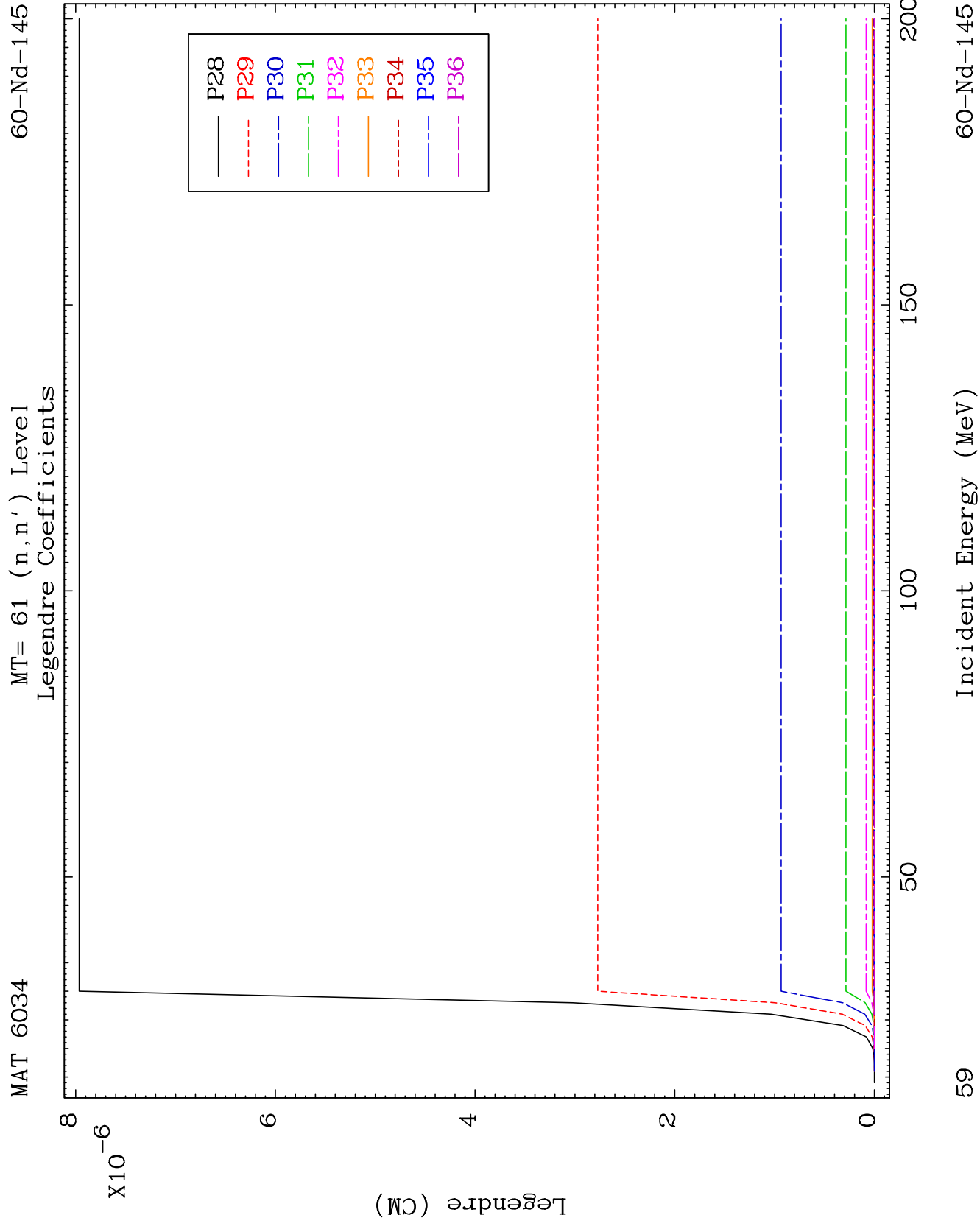
 ${}^{60}\text{Nd}-145$ 

25

Incident Energy (MeV)

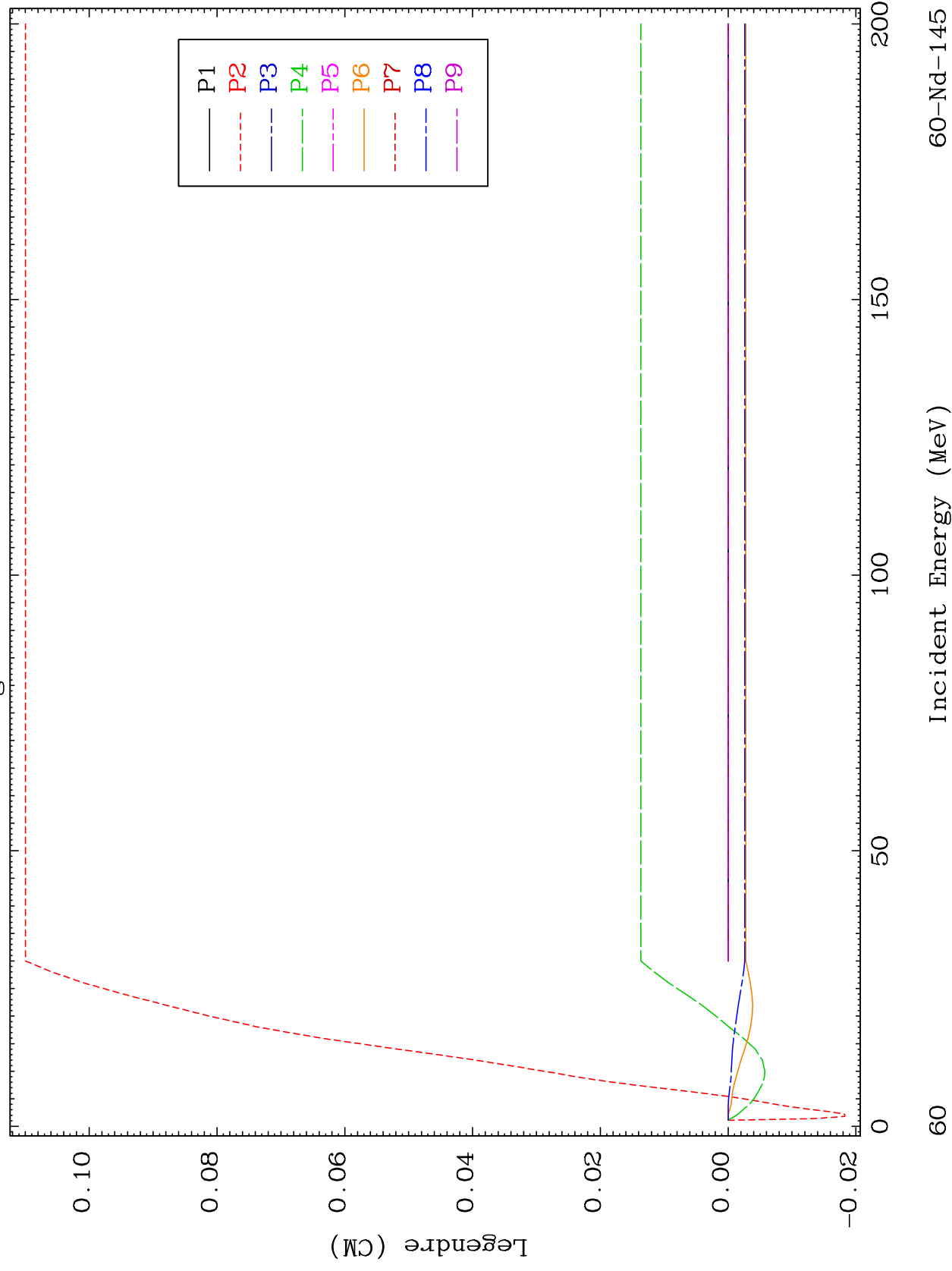
60-Nd-145

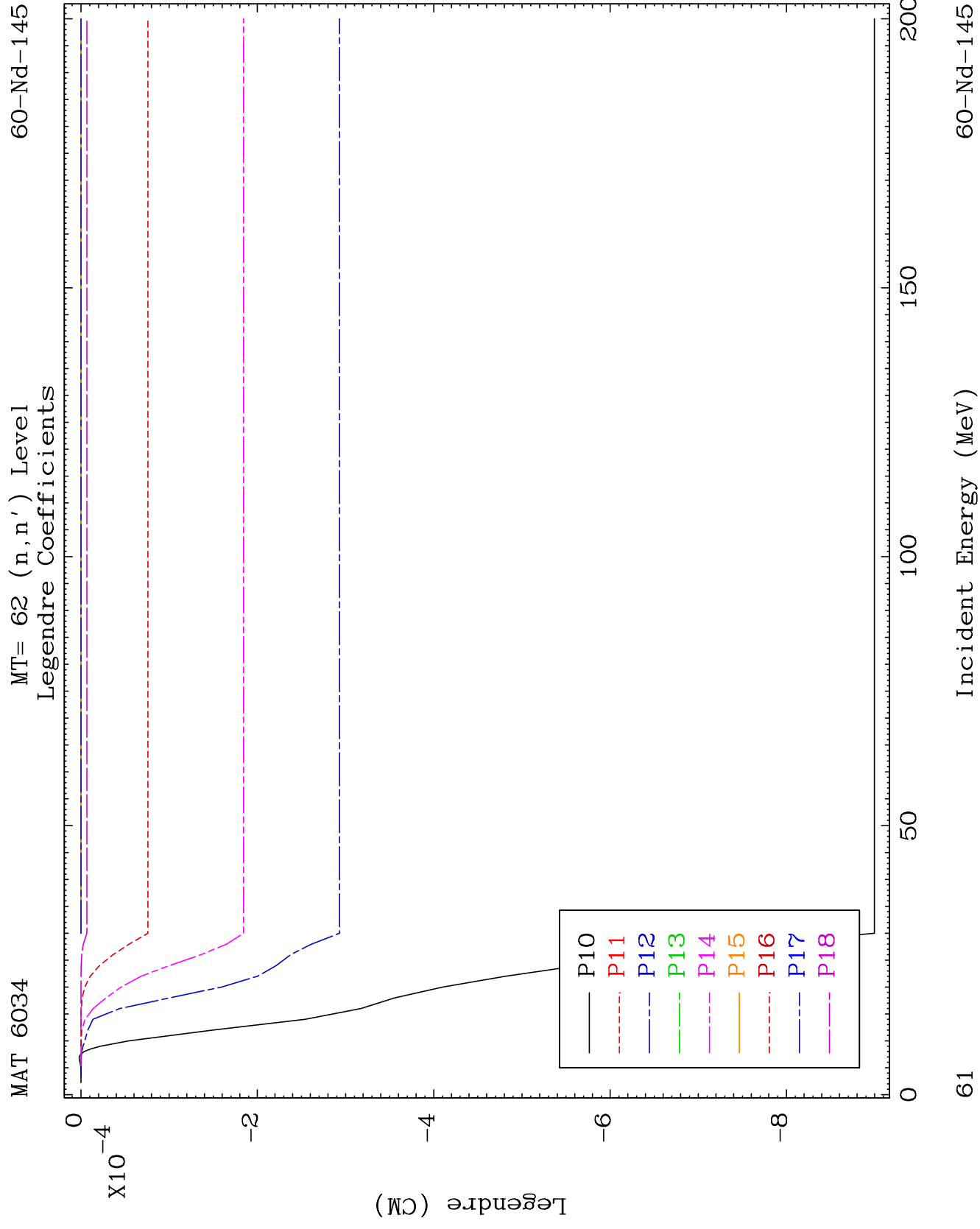


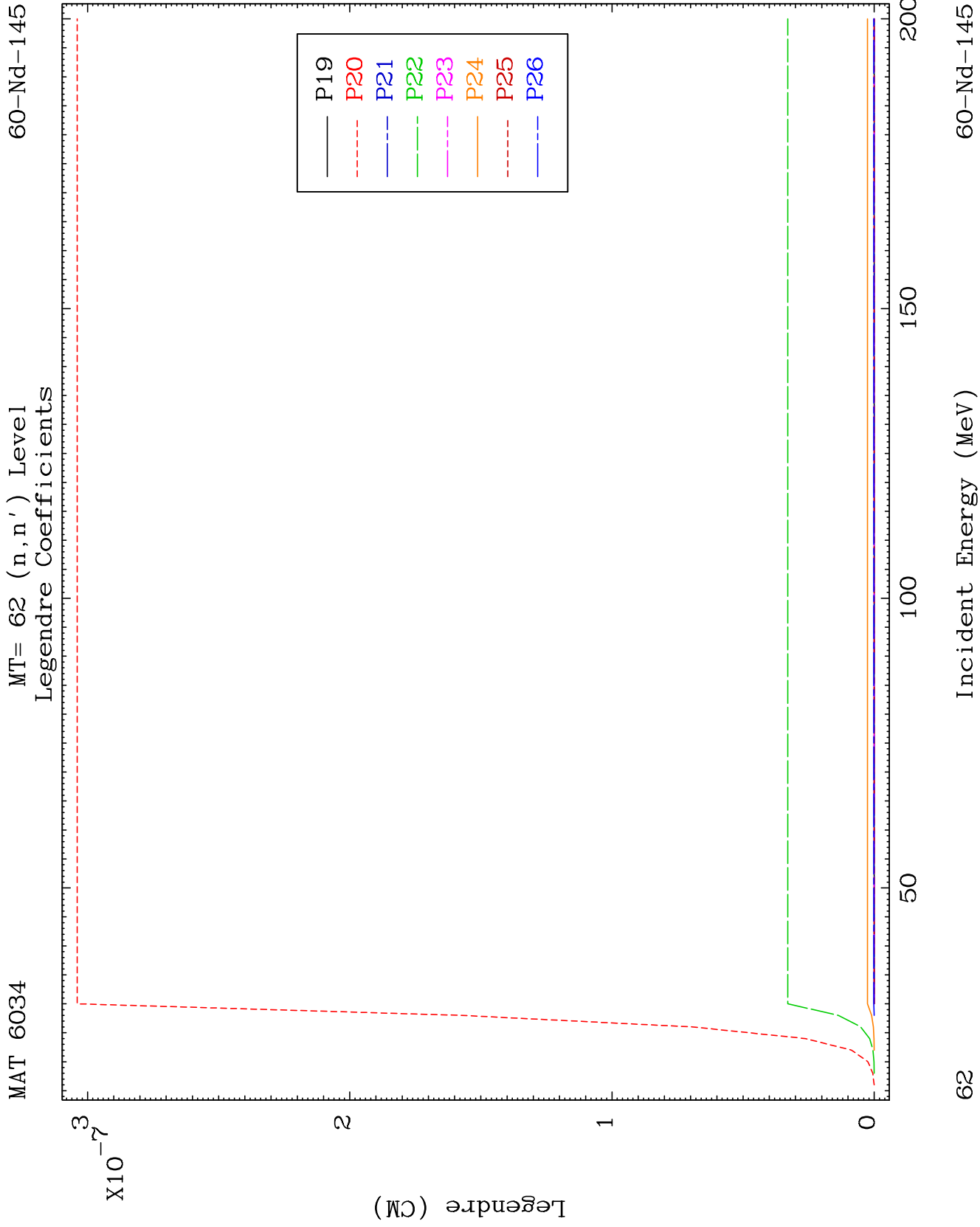


MAT 6034

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

 ${}^{60}\text{Nd}-145$ 

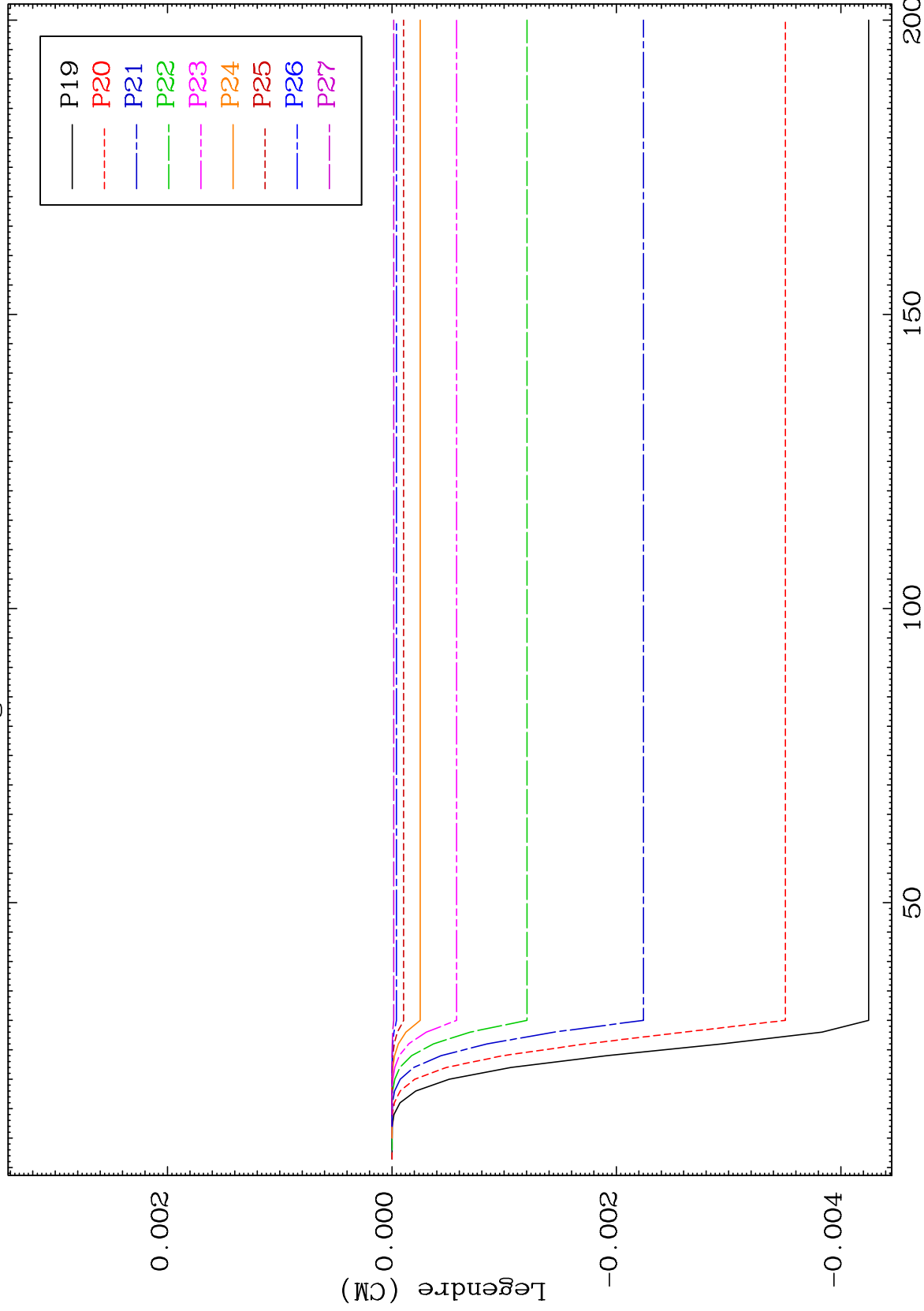




MAT 6034

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

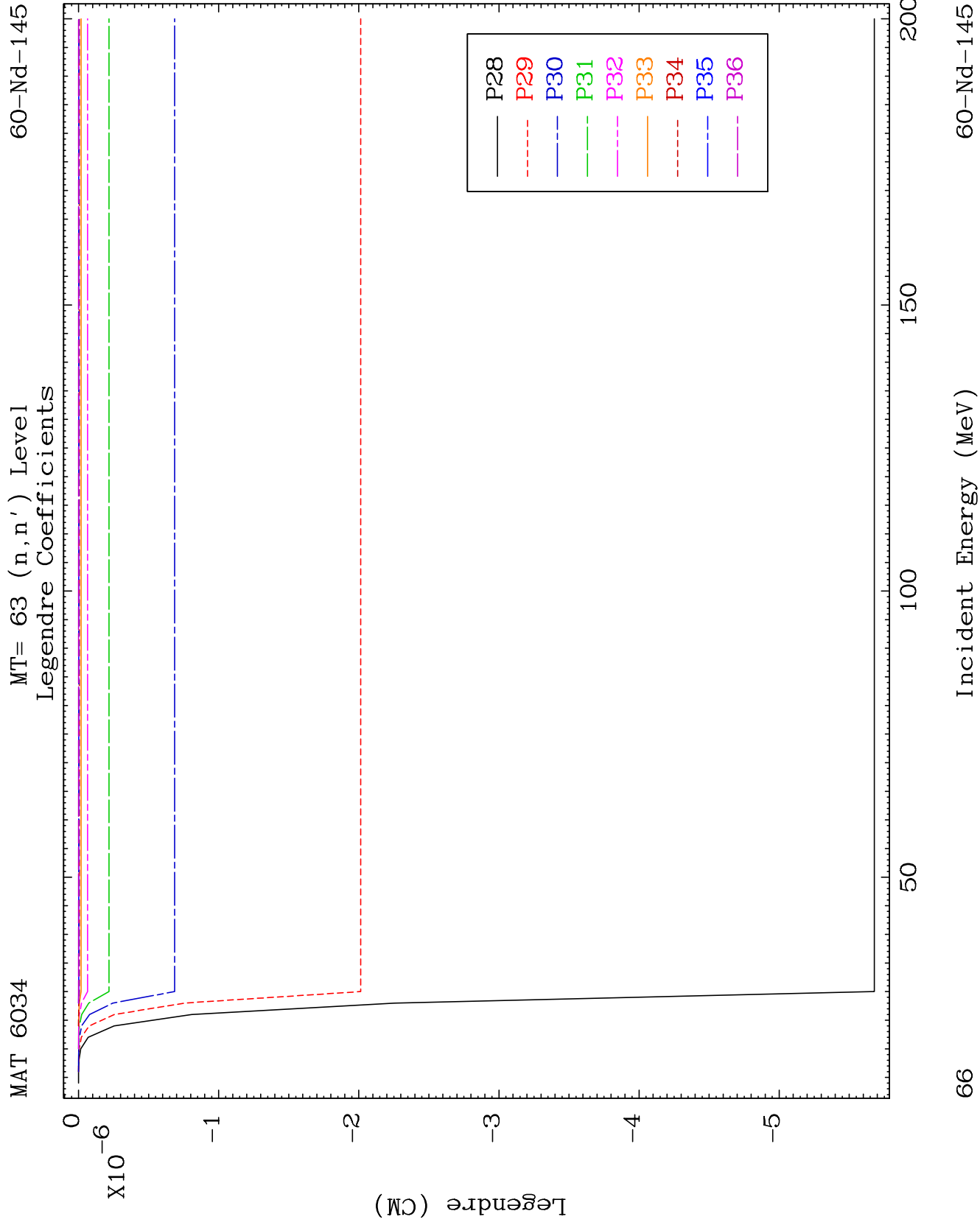
60-Nd-145



65

Incident Energy (MeV)

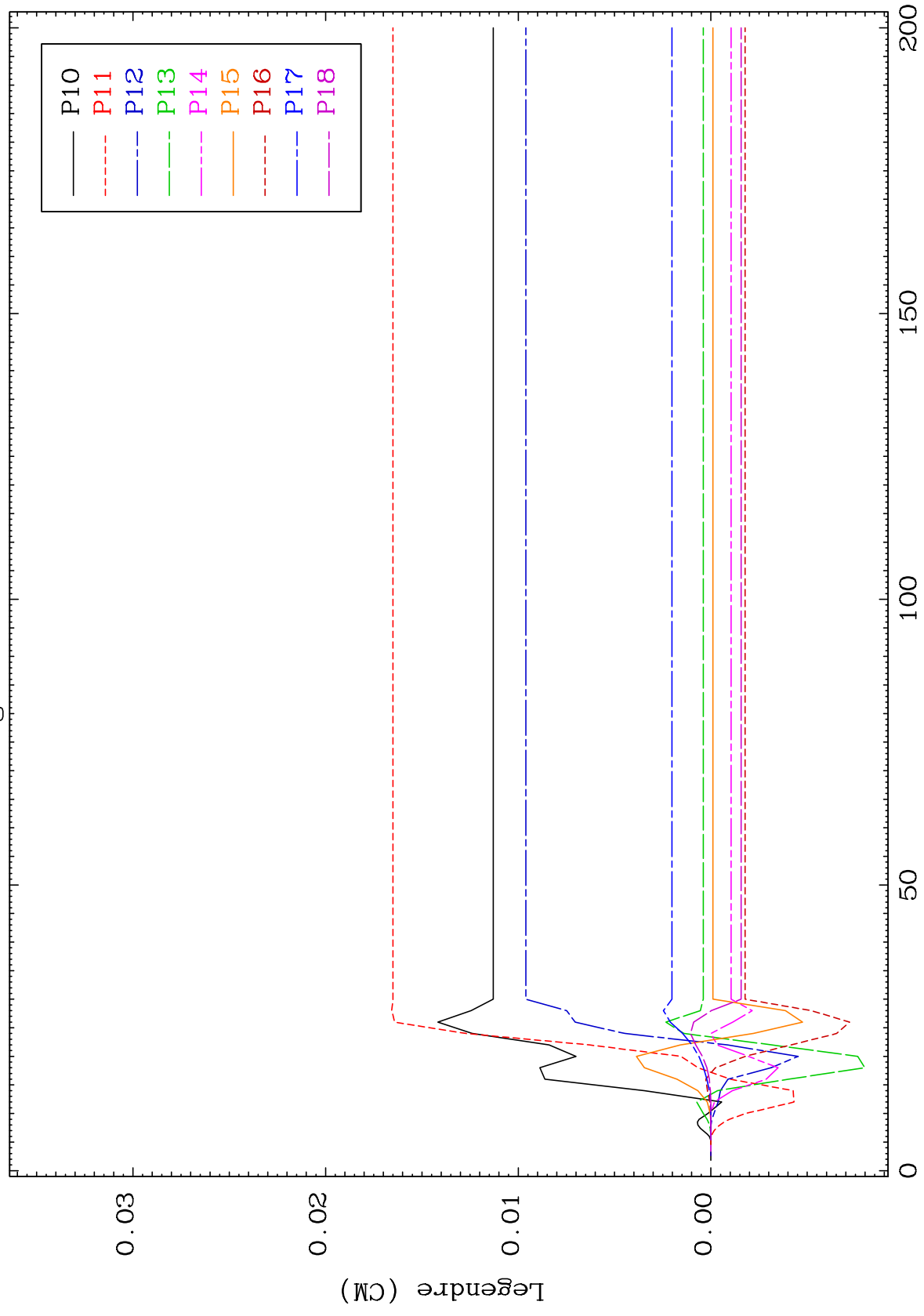
60-Nd-145



MAT 6034

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

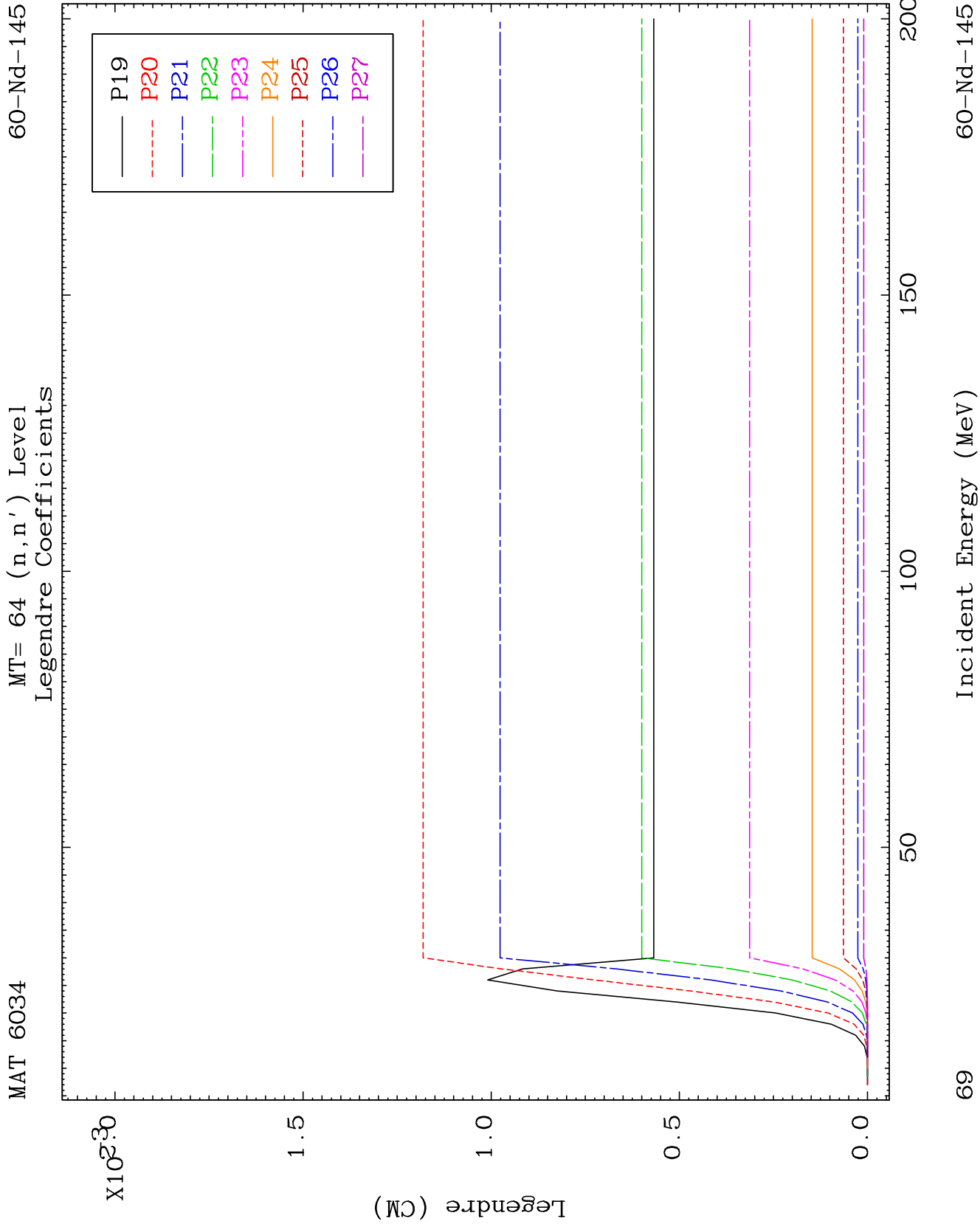
60-Nd-145

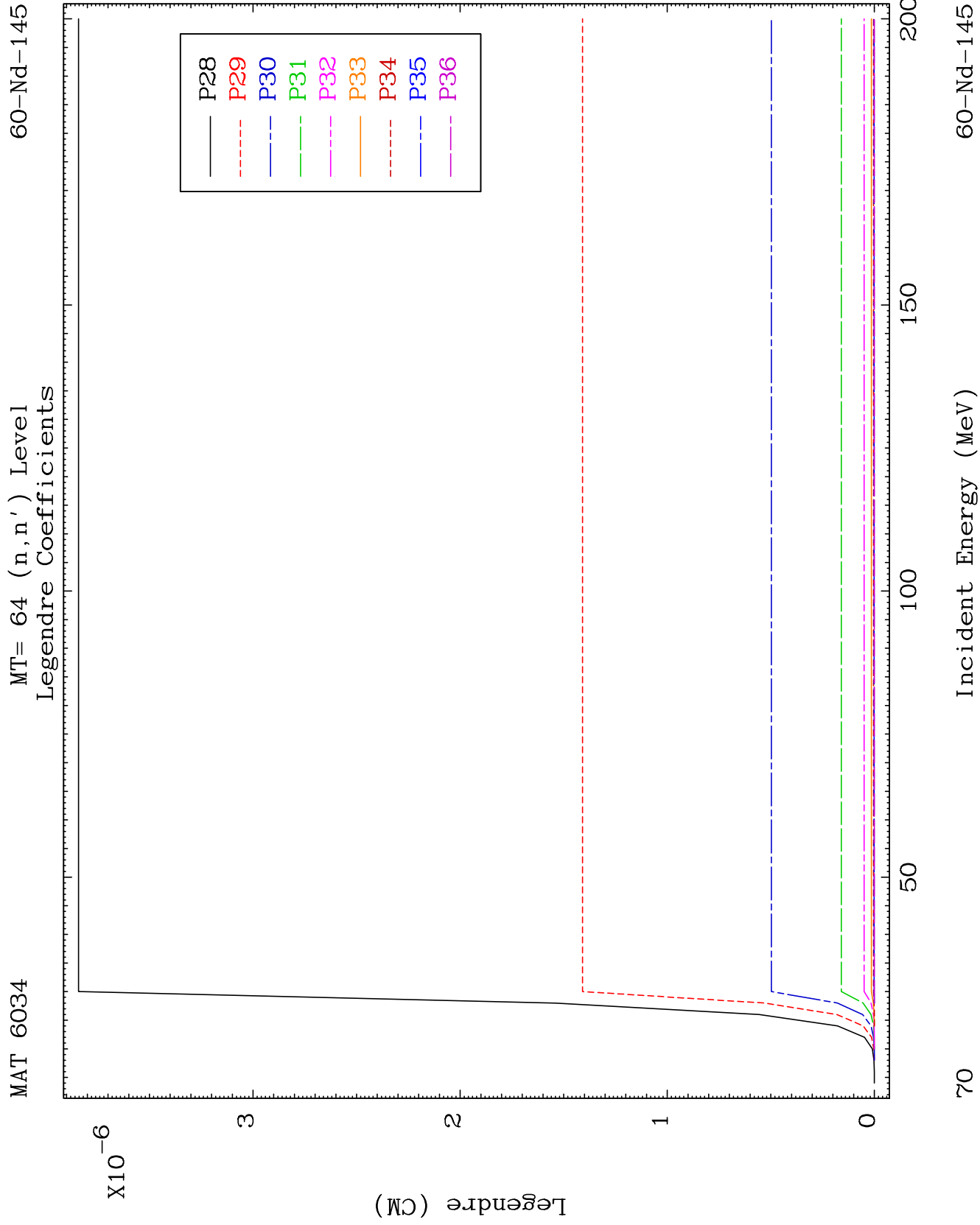


86

Incident Energy (MeV)

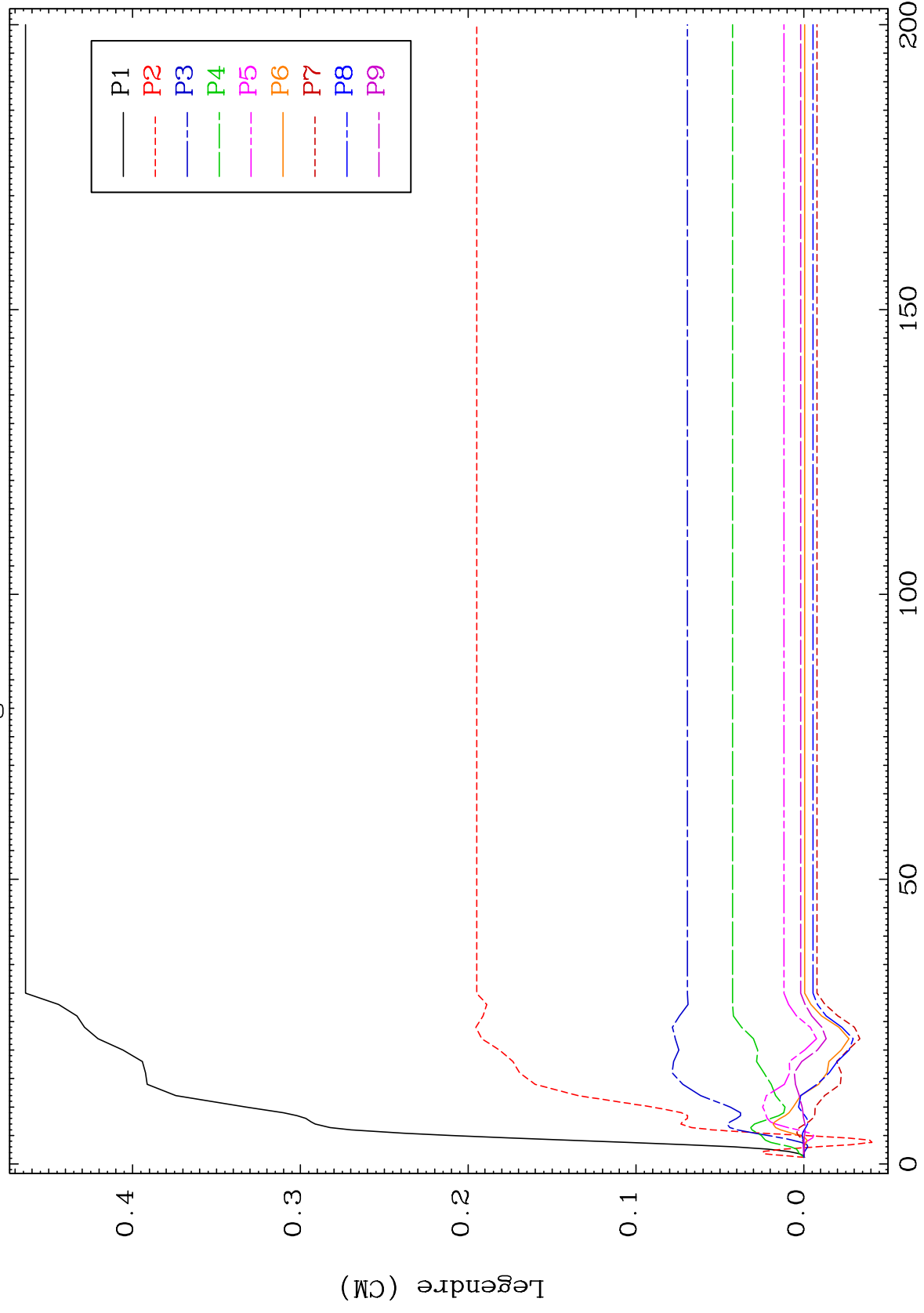
60-Nd-145





MAT 6034

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

 $^{60}\text{Nd}-145$ 

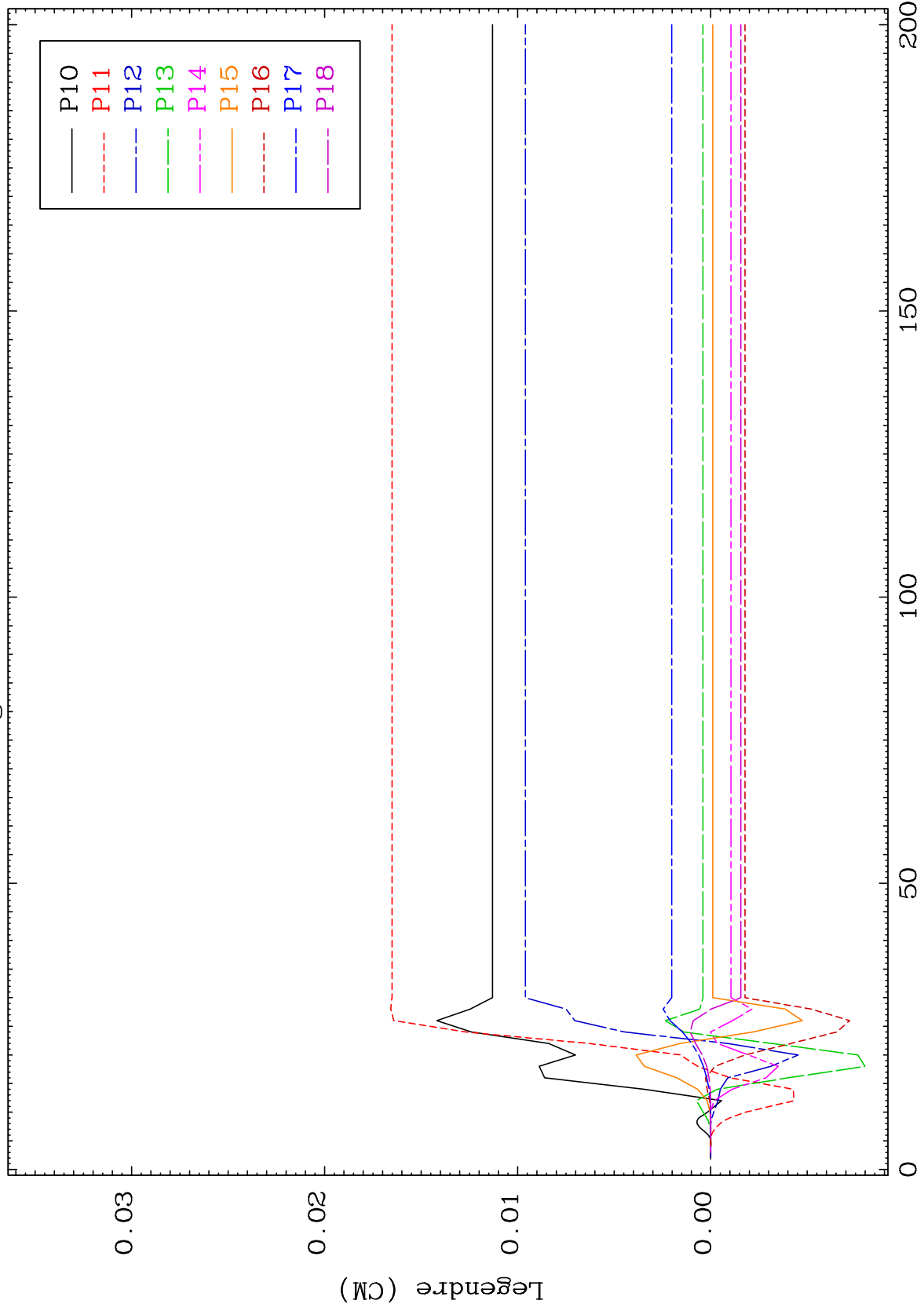
12

Incident Energy (MeV)

60-Nd-145

MAT 6034

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

 ${}^{60}\text{Nd}-145$ 

22

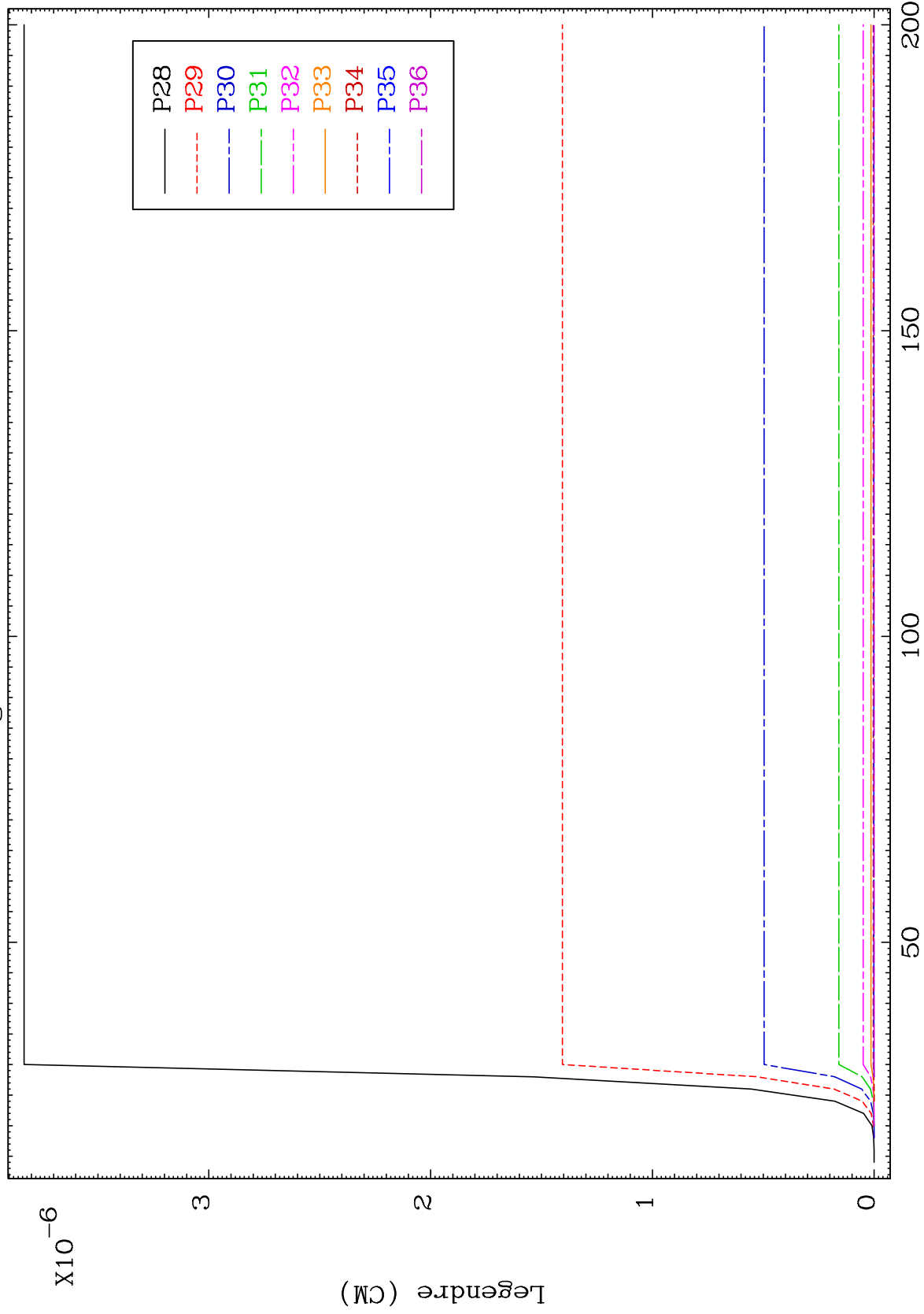
Incident Energy (MeV)

60-Nd-145

MAT 6034

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

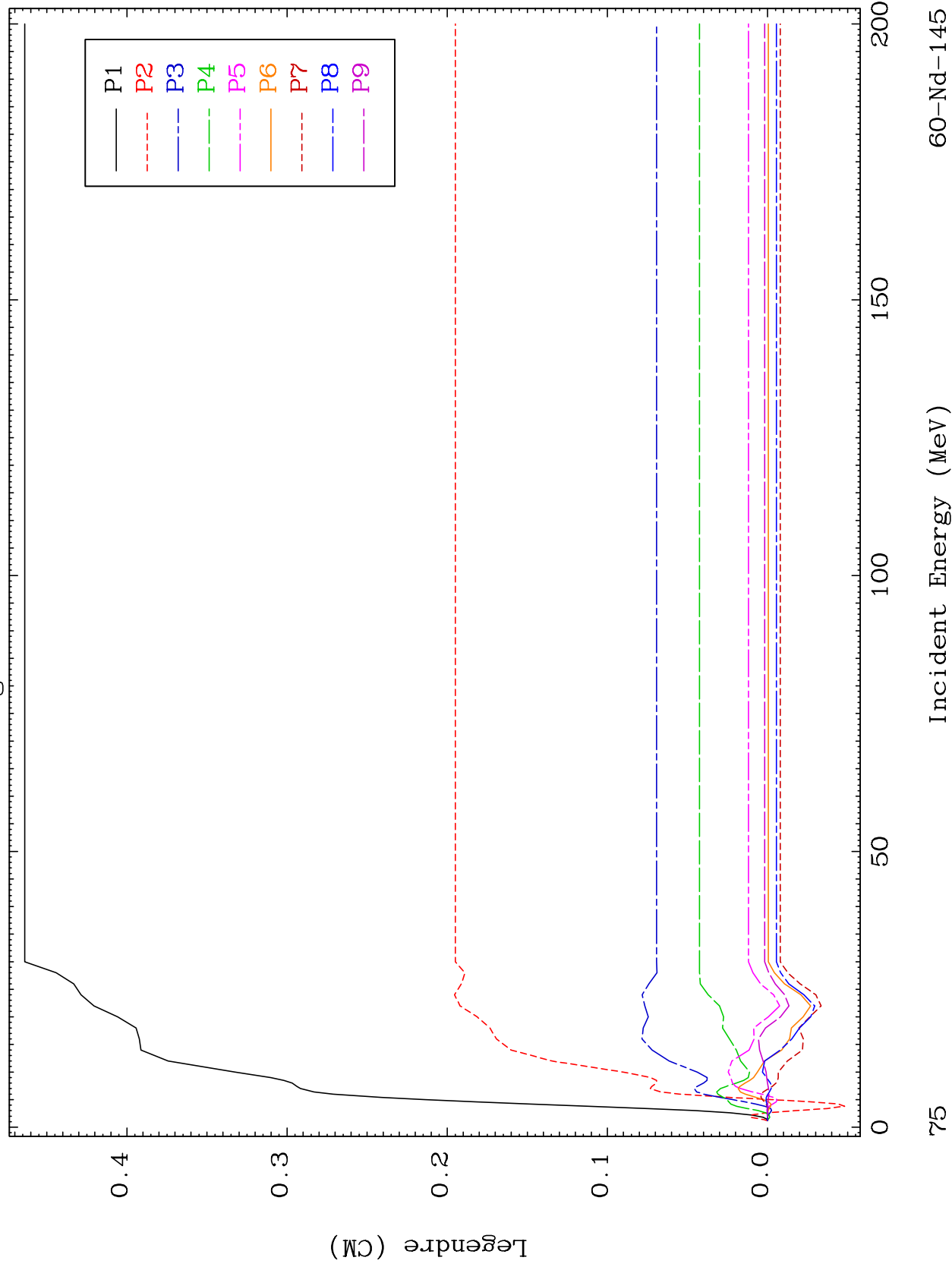
60-Nd-145



MAT 6034

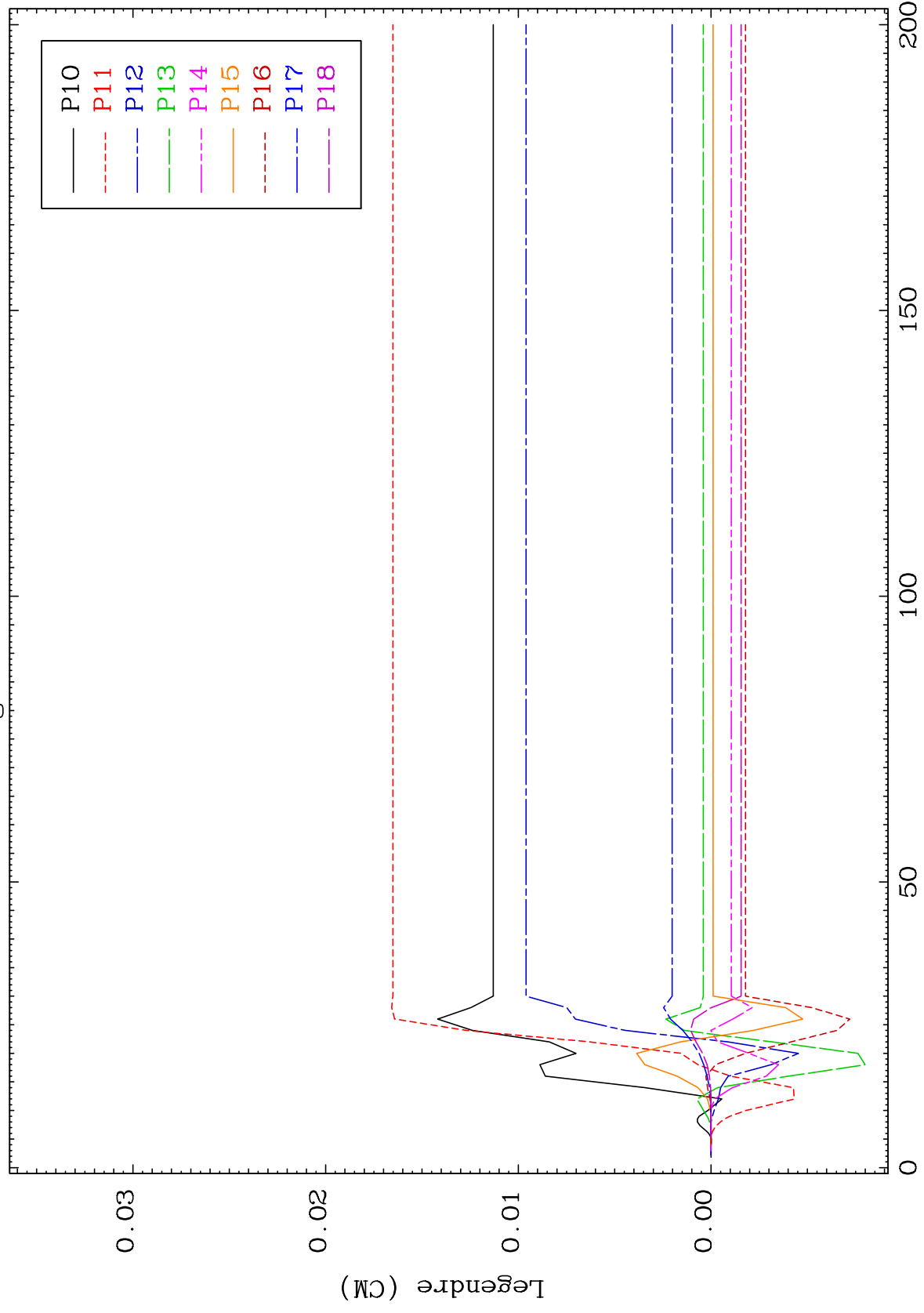
MT= 66 (n, n') Level
Legendre Coefficients

60-Nd-145



MAT 6034

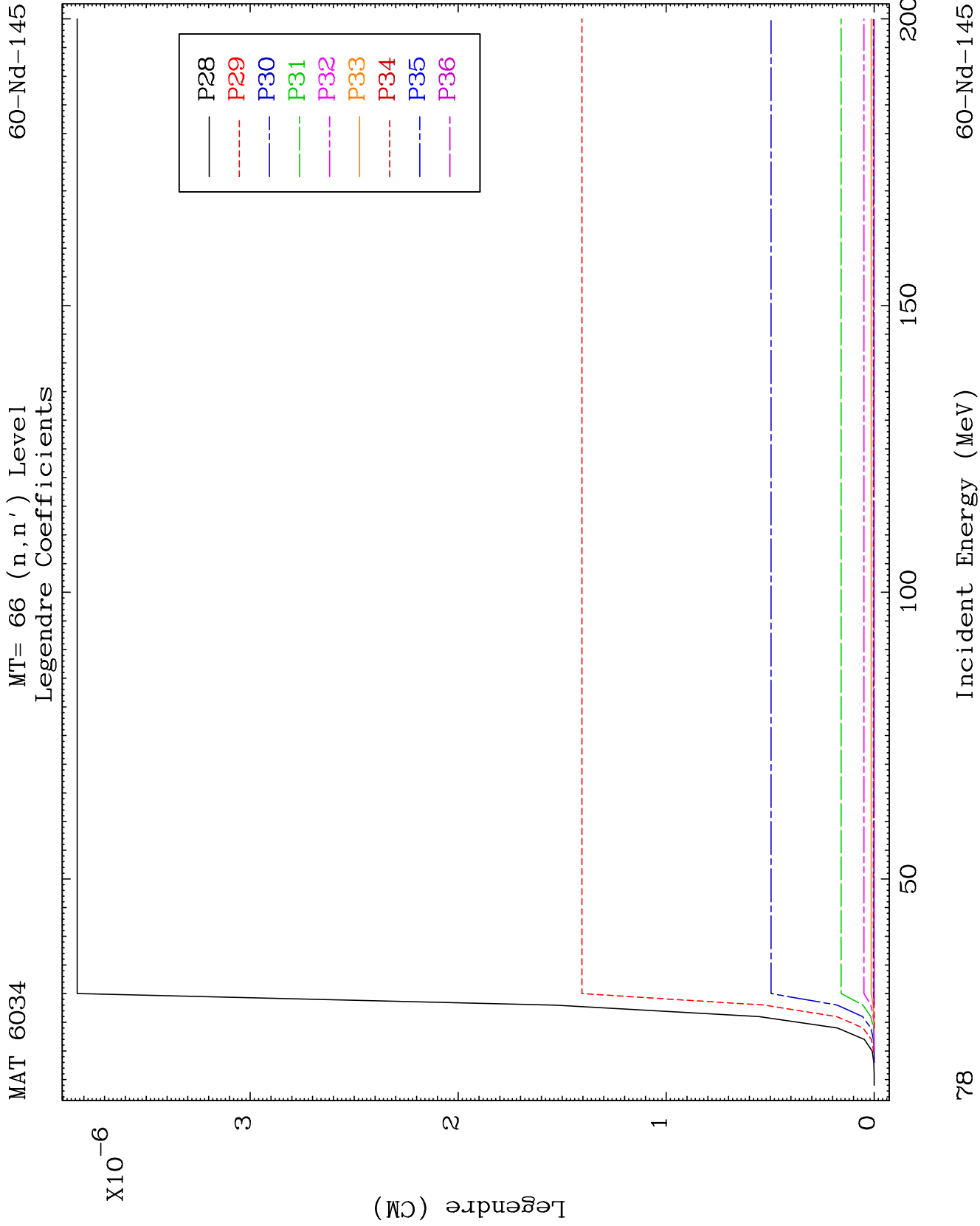
MT= 66 (n, n') Level
Legendre Coefficients

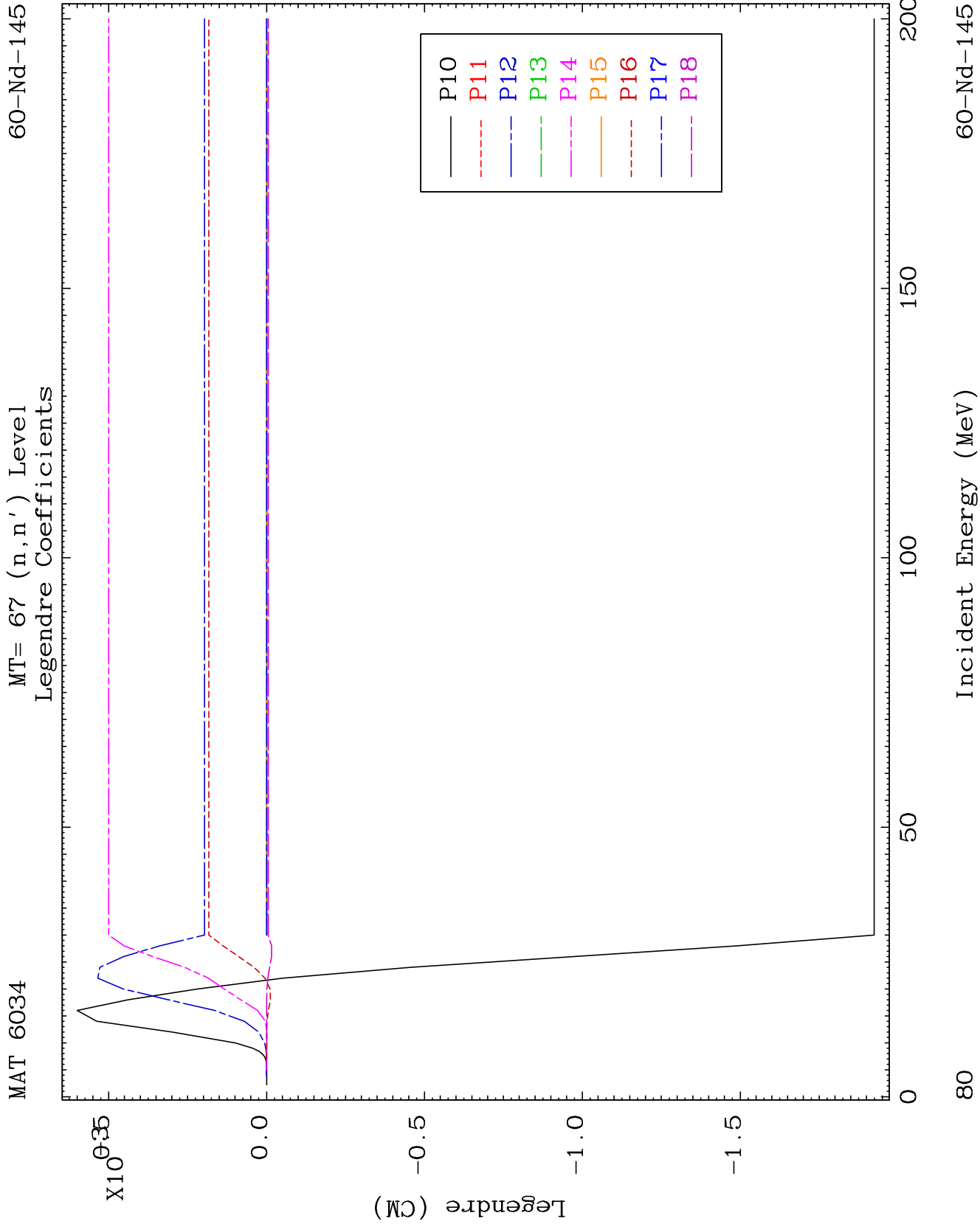
 ${}^{60}\text{Nd}-145$ 

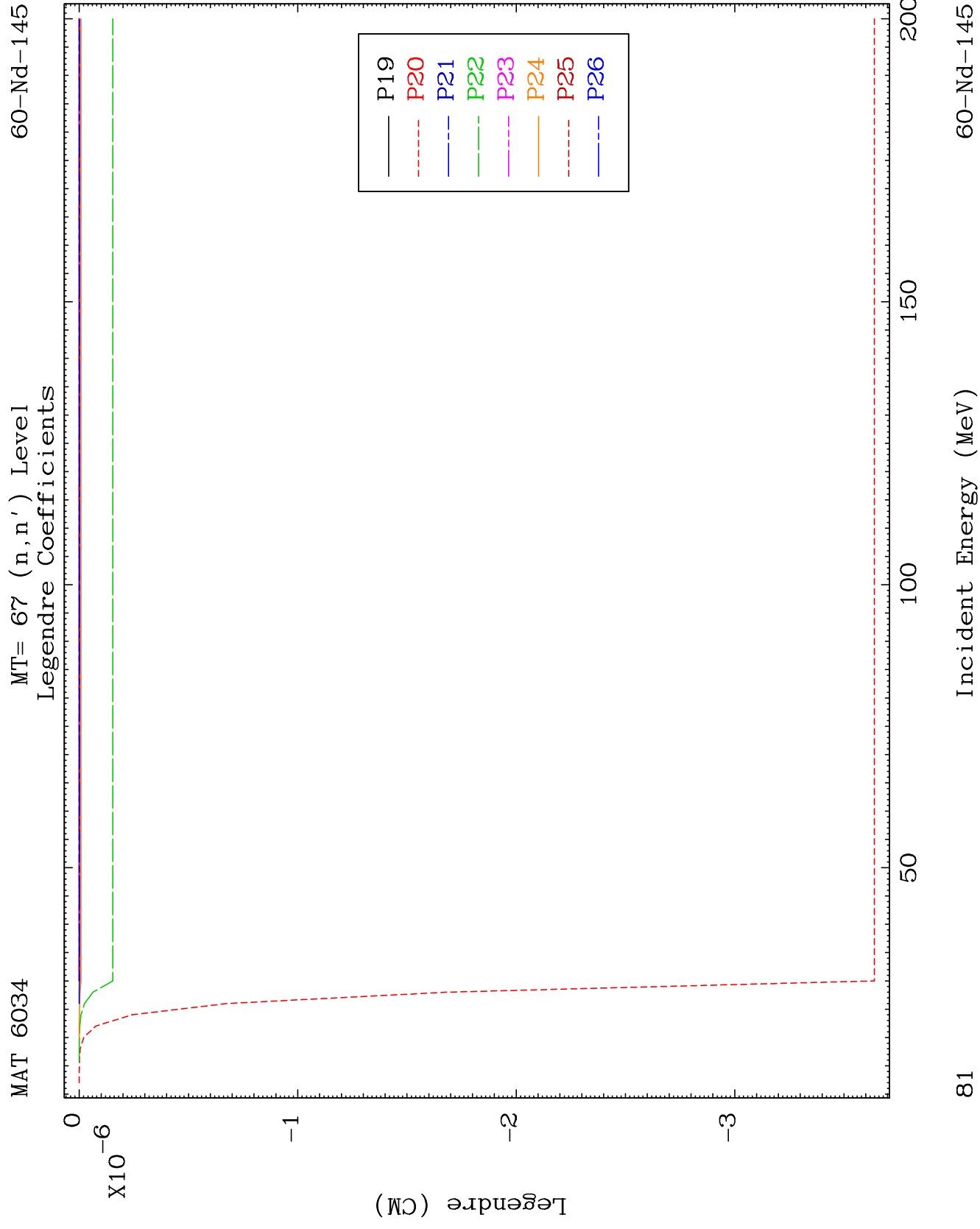
92

Incident Energy (MeV)

60-Nd-145



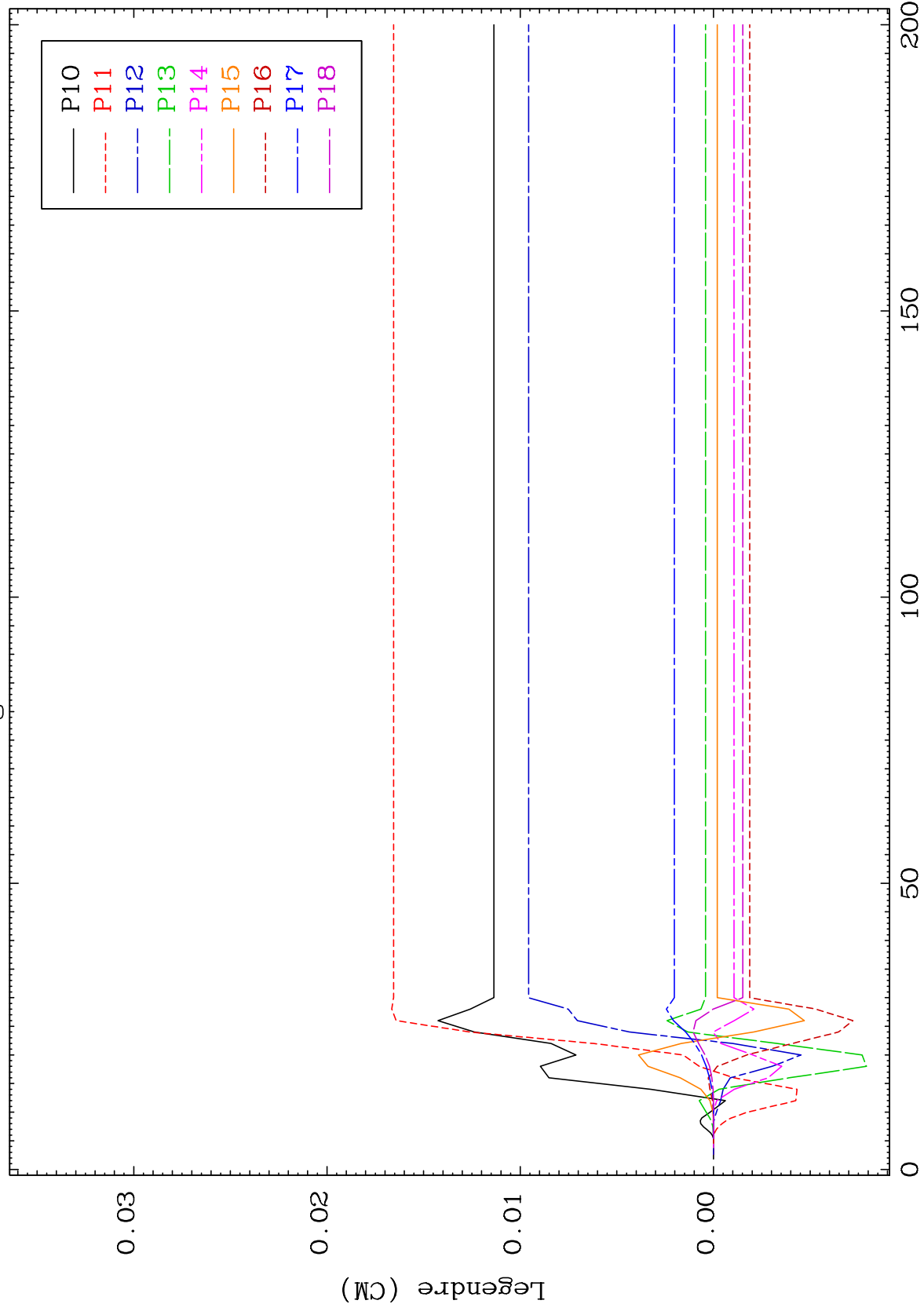




MAT 6034

MT= 68 (n, n') Level
Legendre Coefficients

60-Nd-145



30

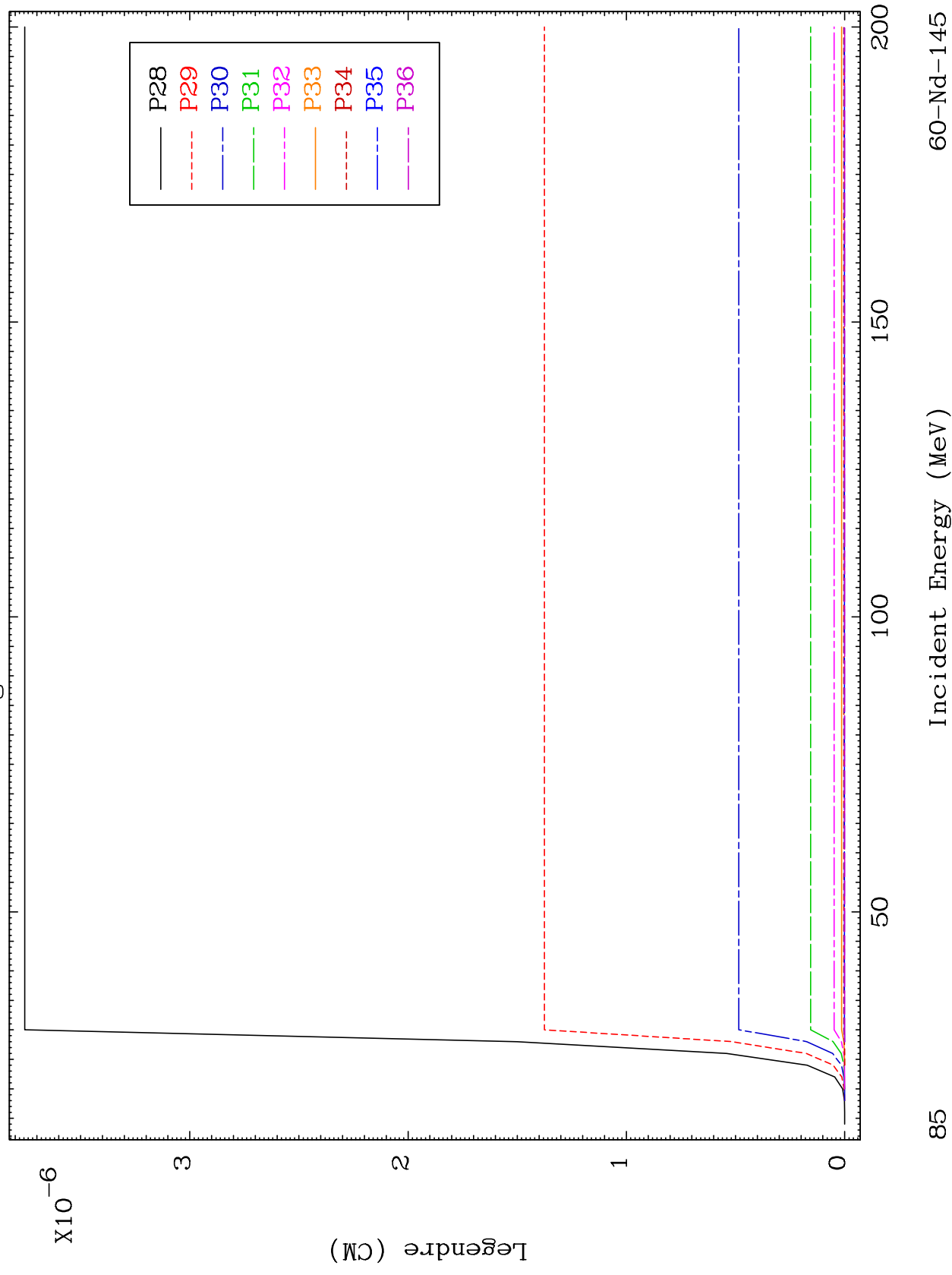
Incident Energy (MeV)

60-Nd-145

MAT 6034

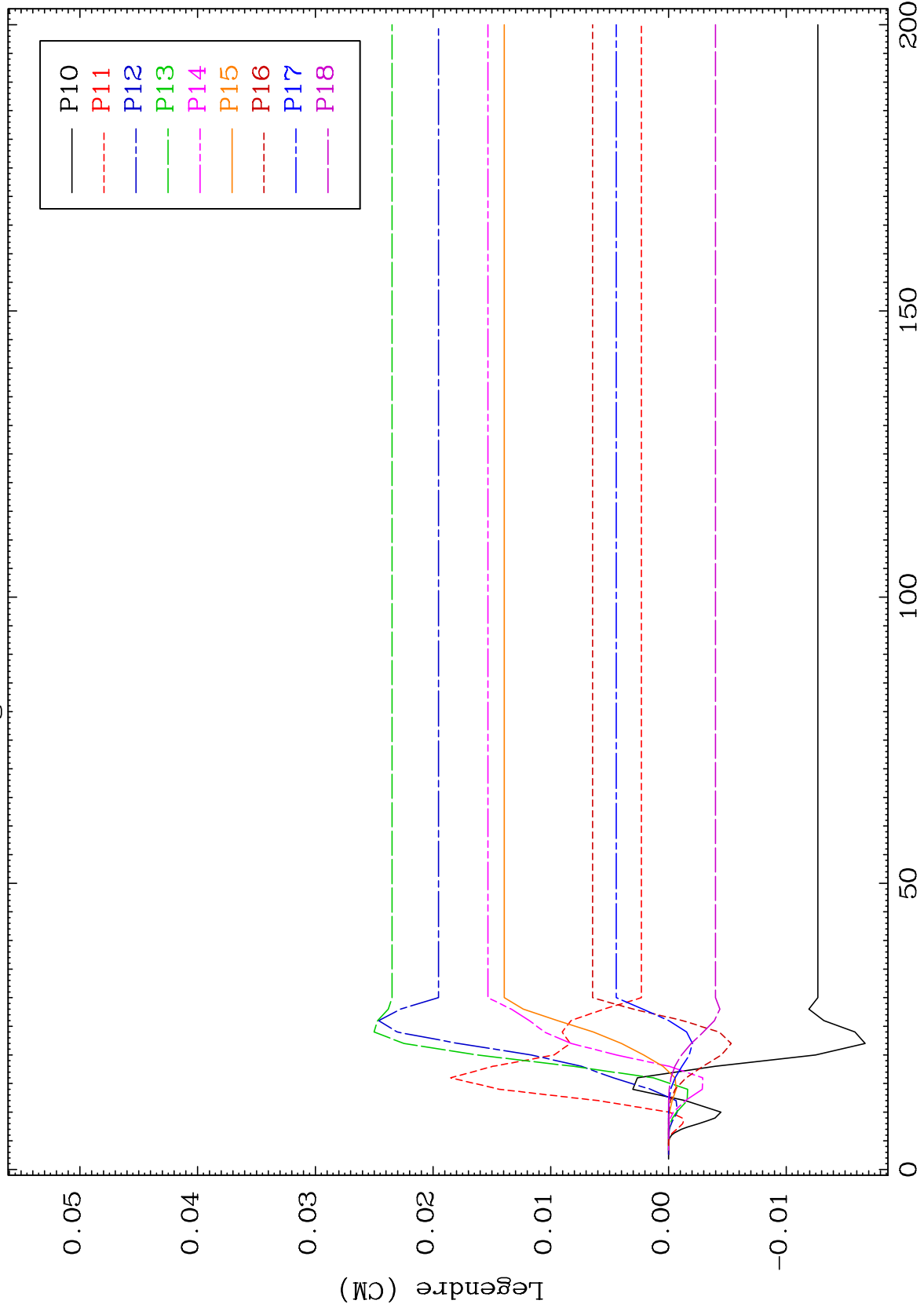
MT= 68 (n, n') Level
Legendre Coefficients

60-Nd-145



MAT 6034

MT= 69 (n, n') Level
Legendre Coefficients

 ${}^{60}\text{Nd}-145$ 

28

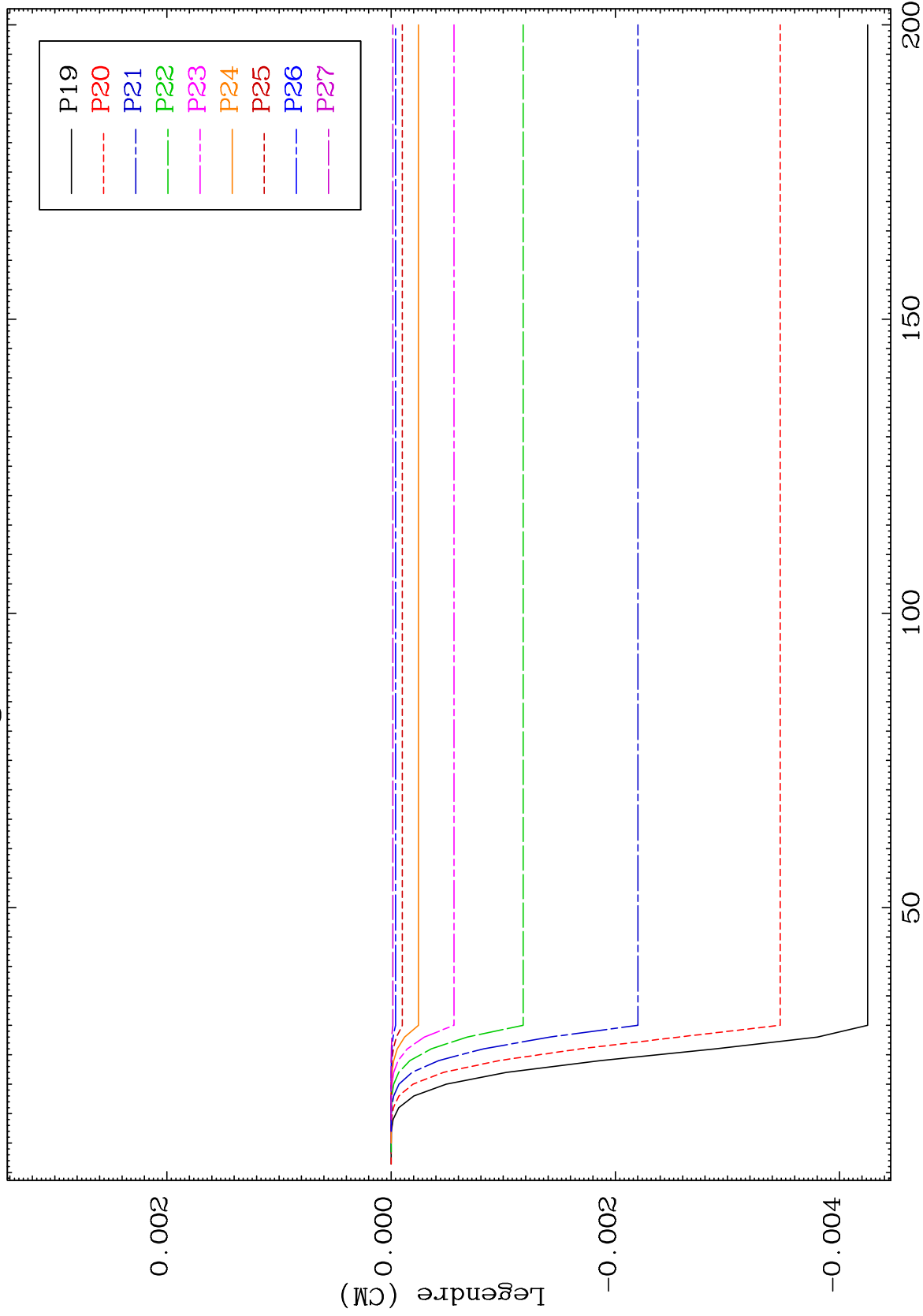
Incident Energy (MeV)

60-Nd-145

MAT 6034

MT= 69 (n,n') Level
Legendre Coefficients

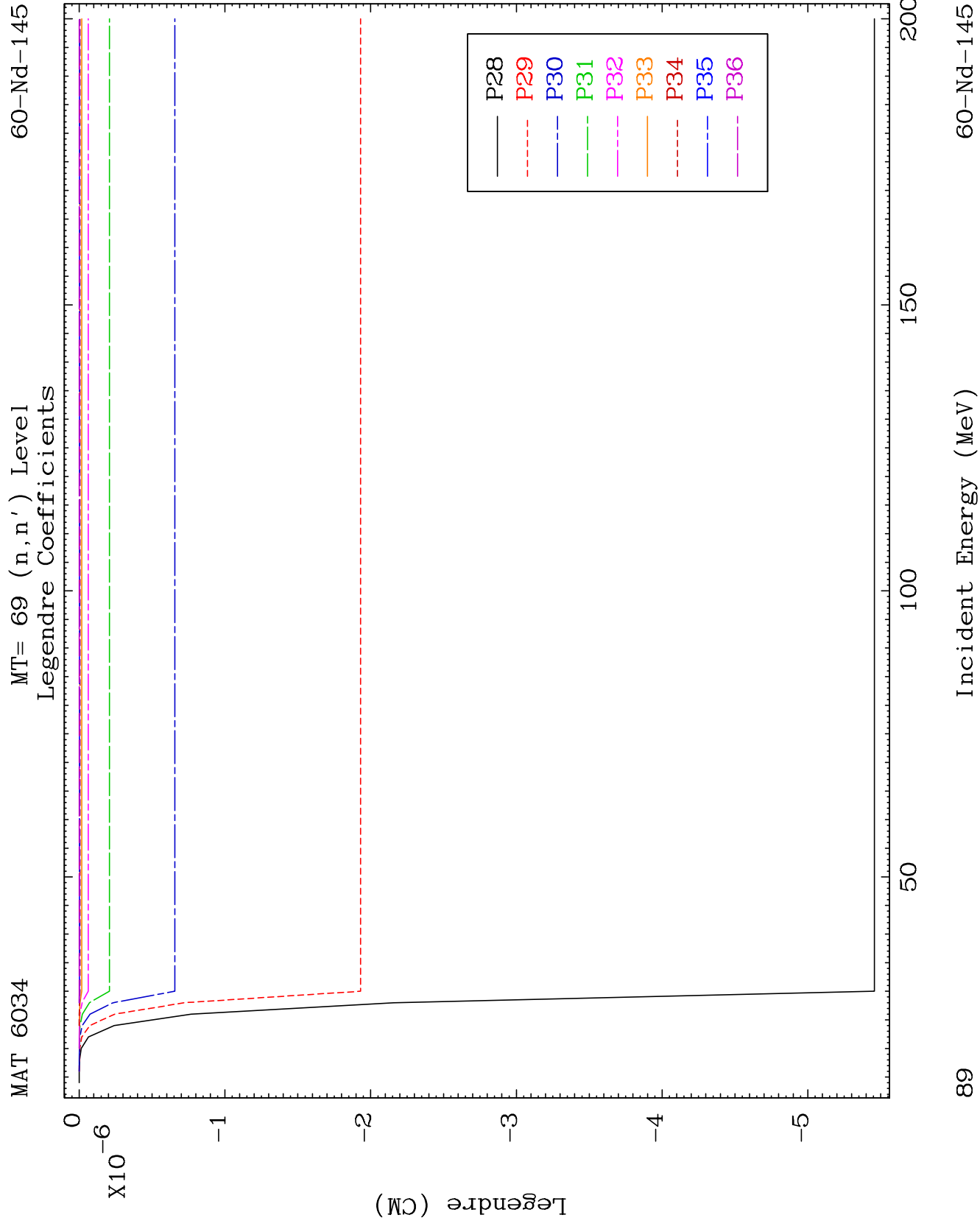
60-Nd-145

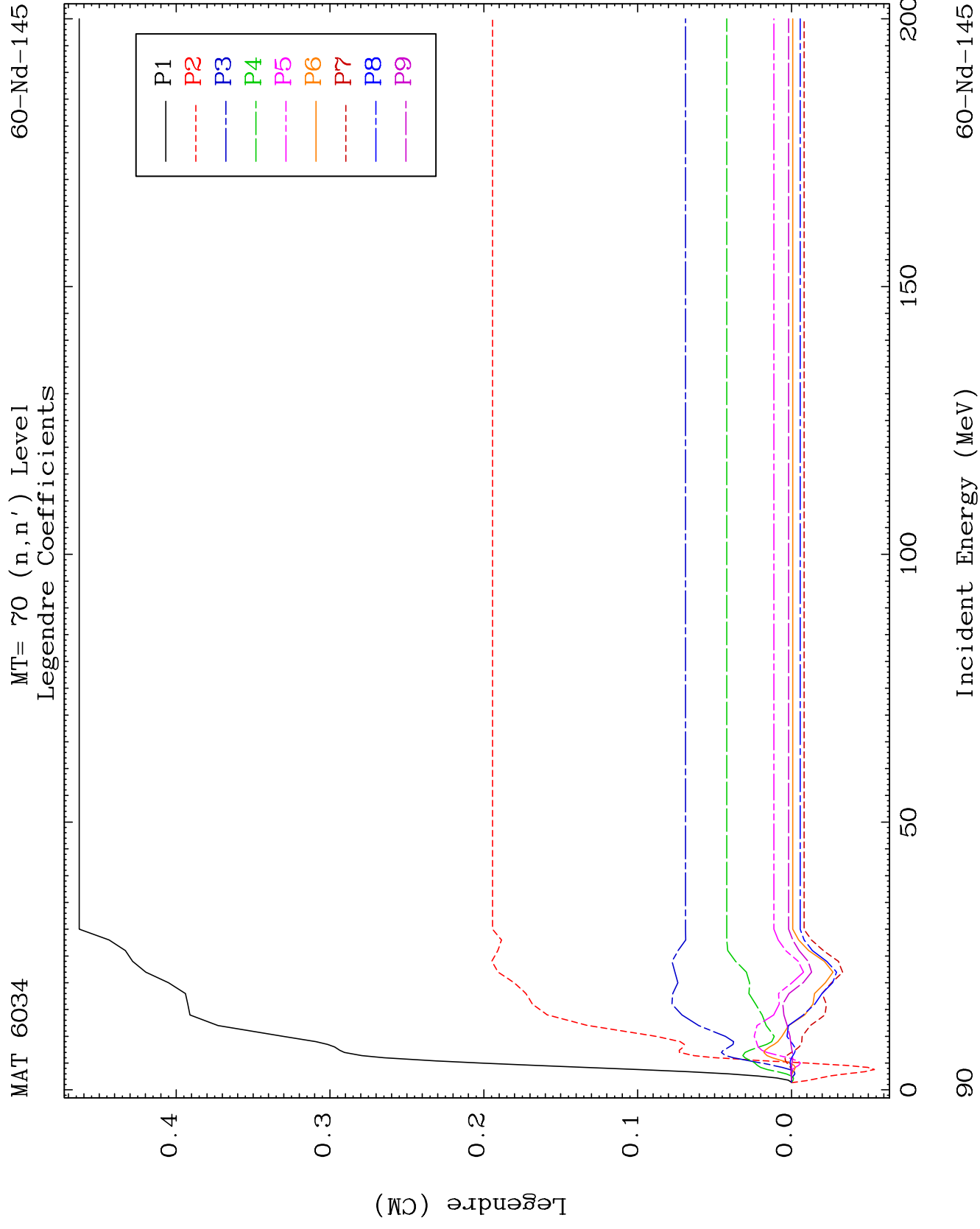


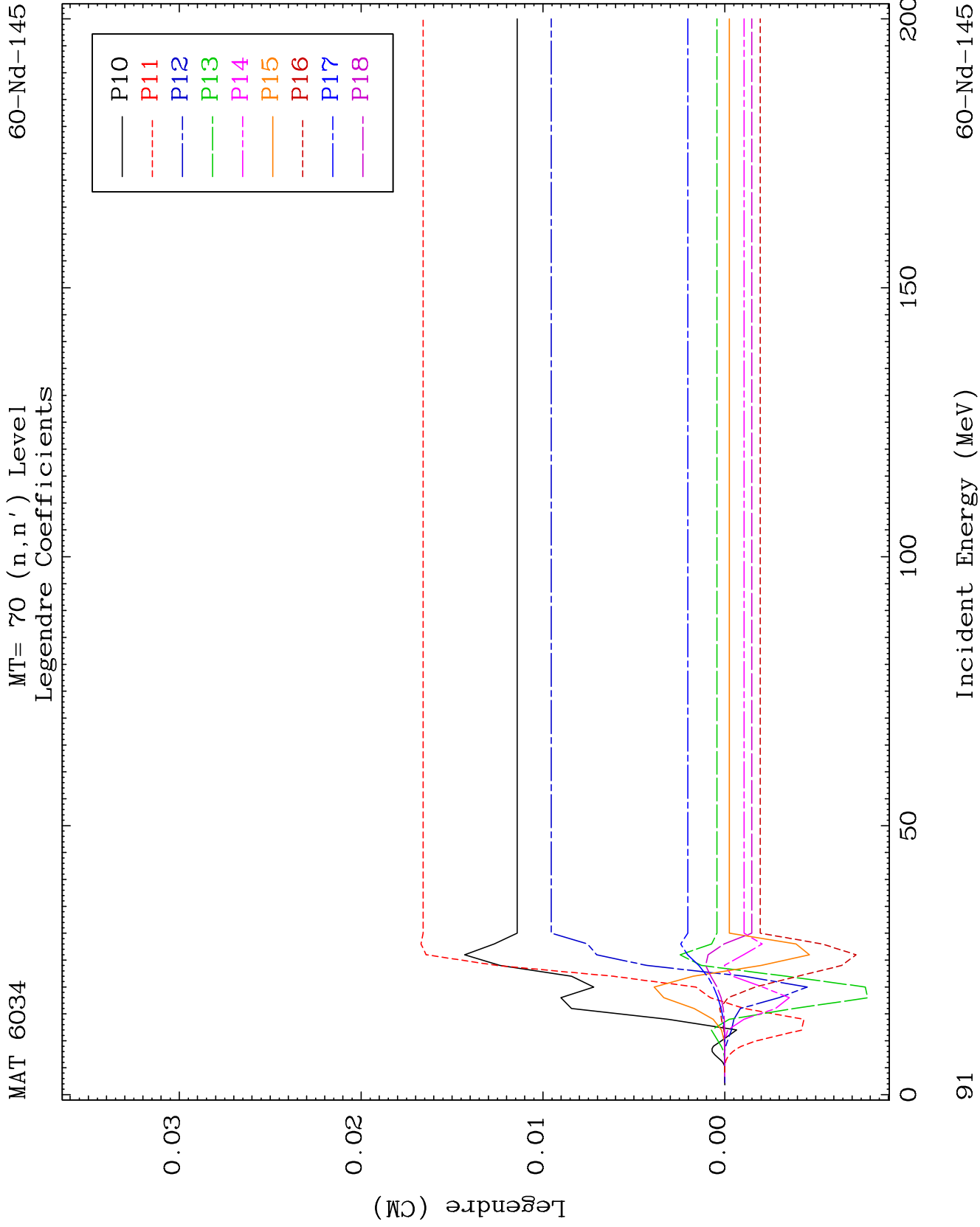
88

Incident Energy (MeV)

60-Nd-145

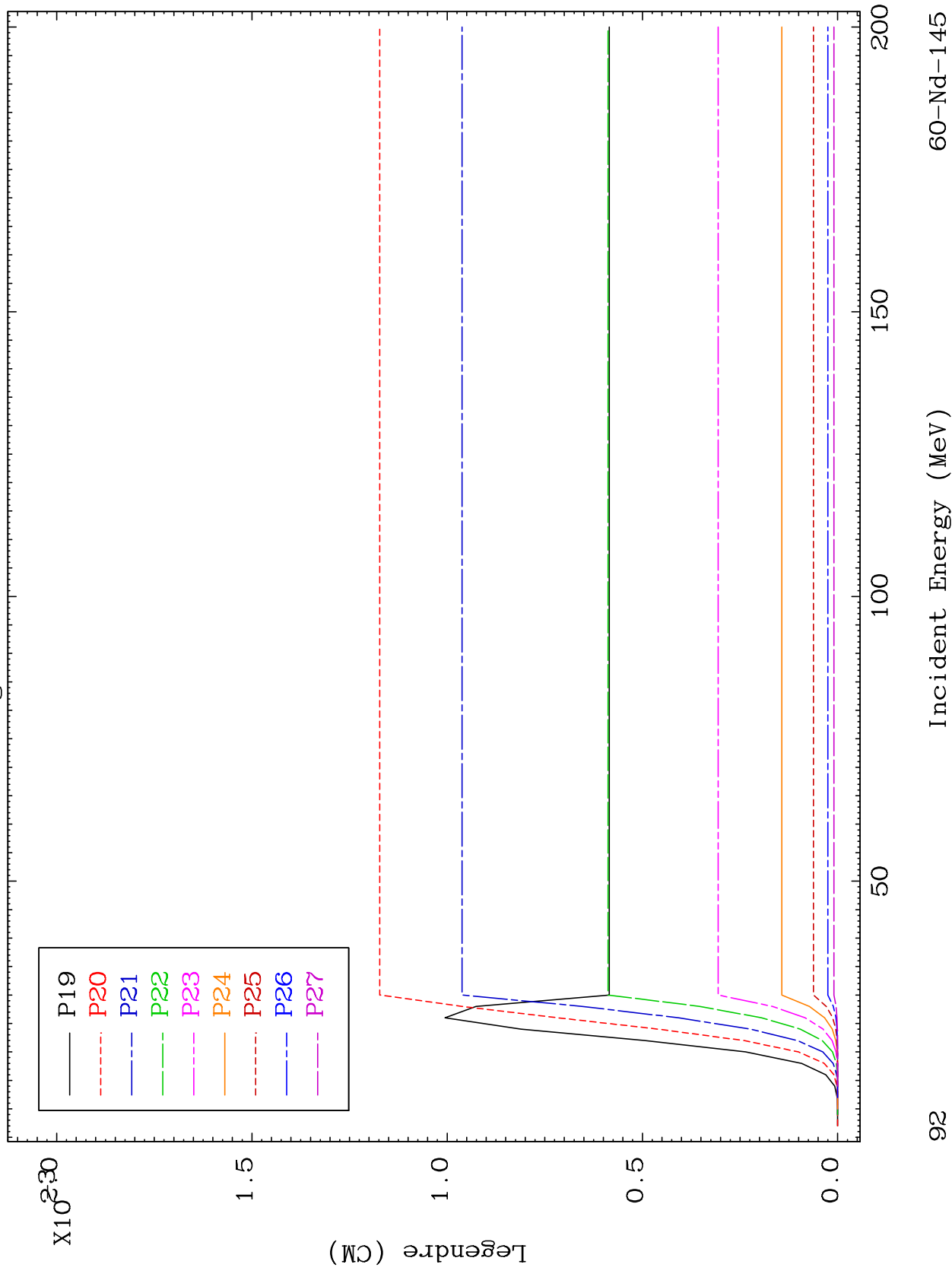






MAT 6034

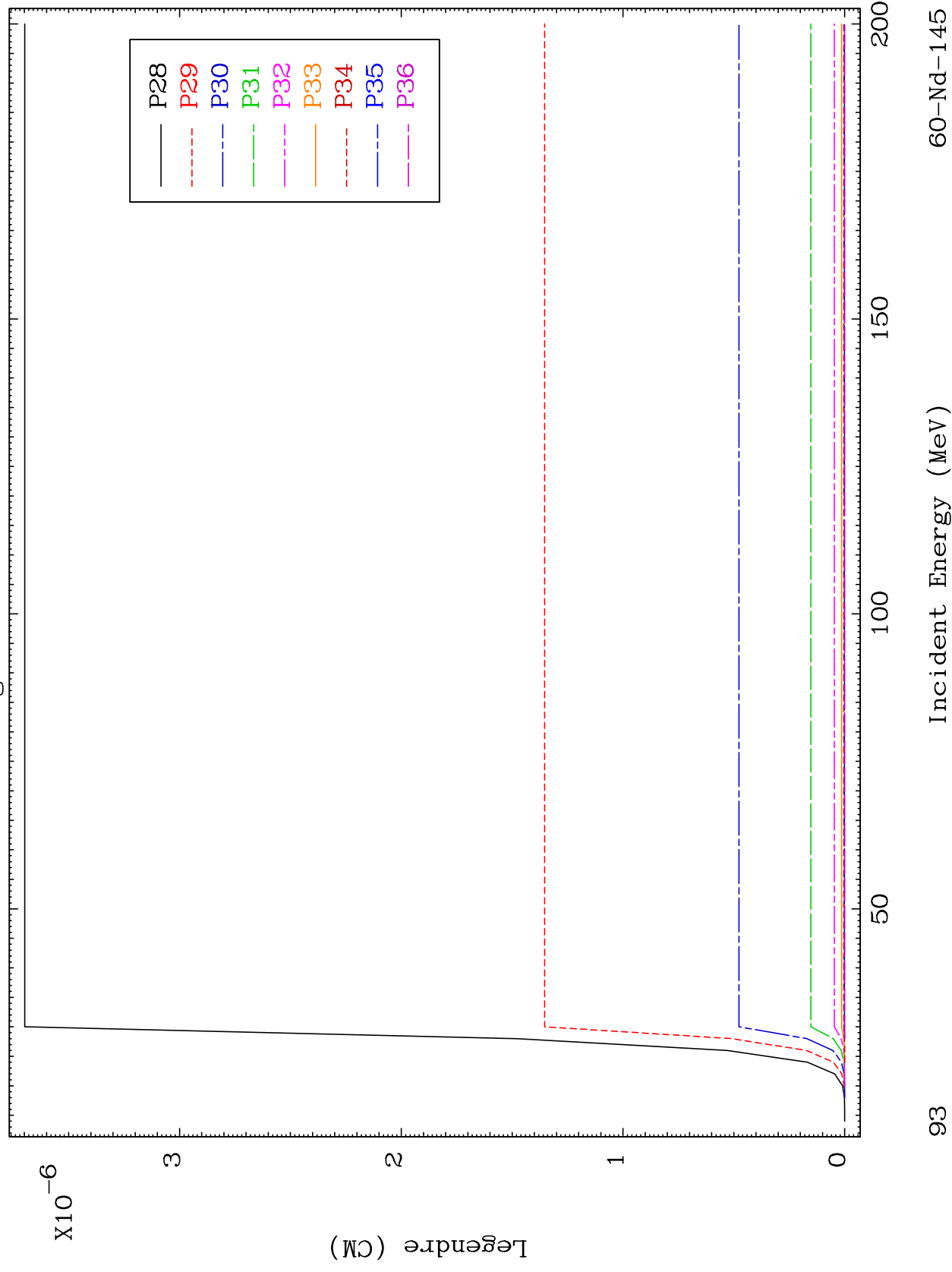
MT= 70 (n, n') Level
Legendre Coefficients

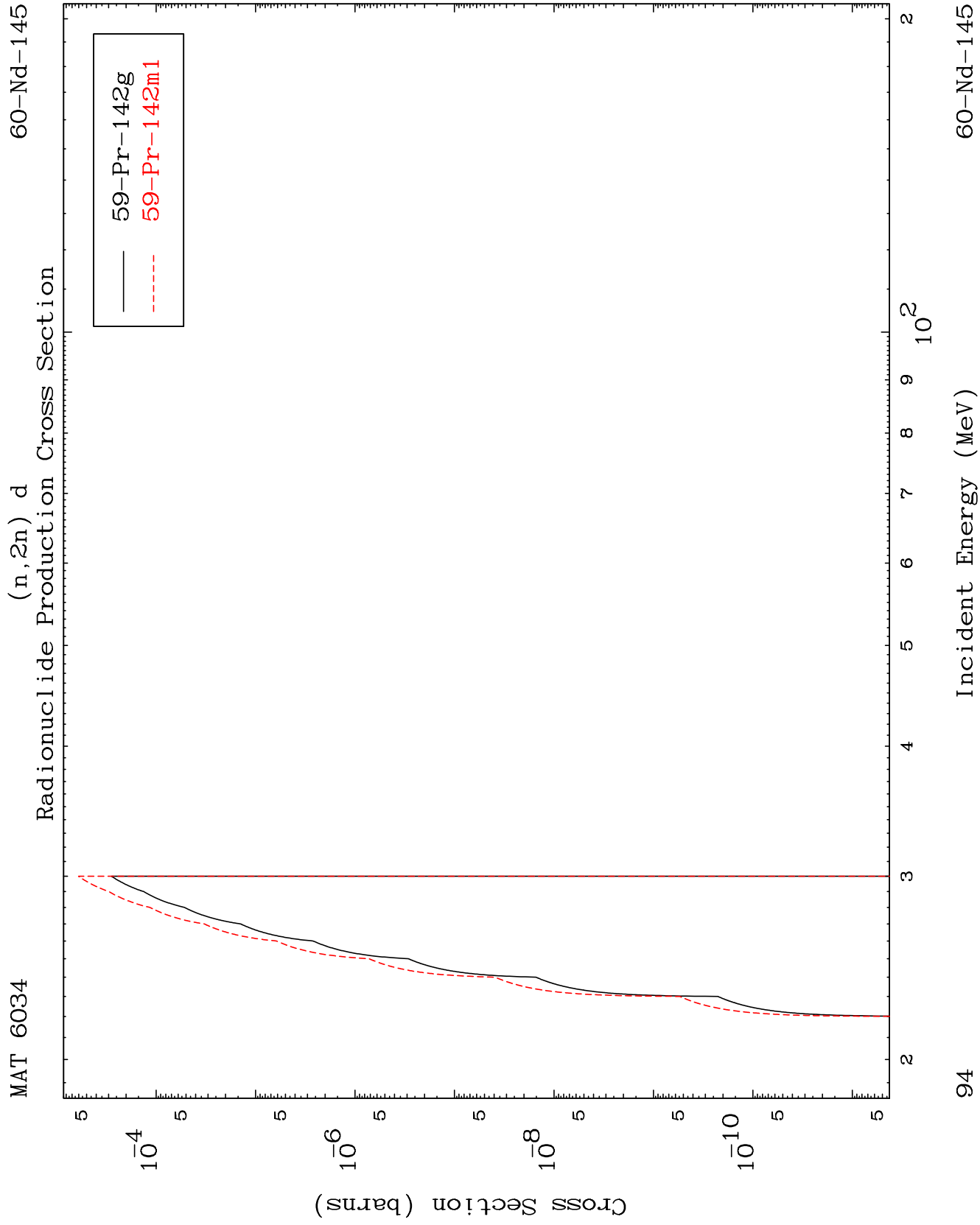
 ${}^{60}\text{Nd}-145$ 

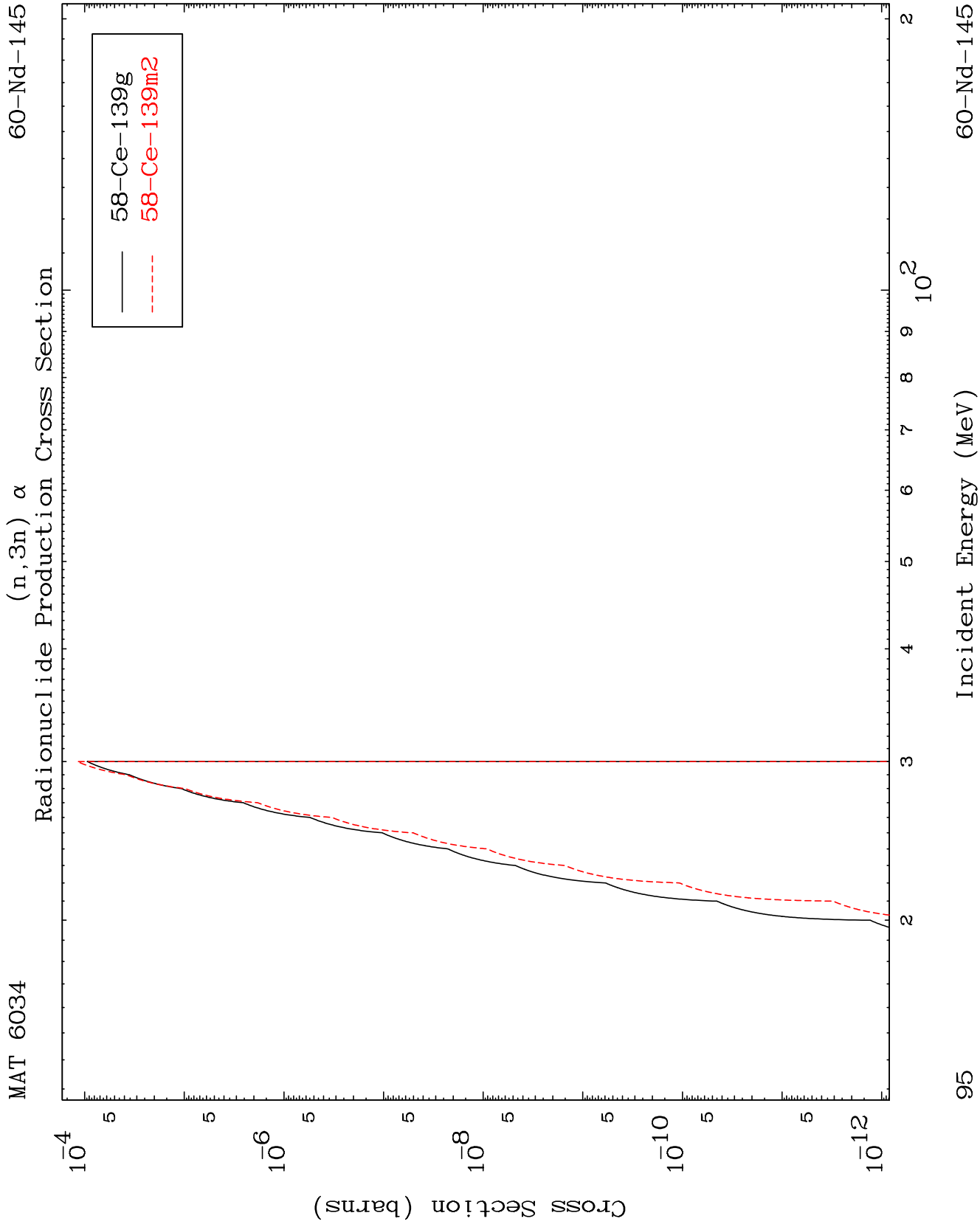
MAT 6034

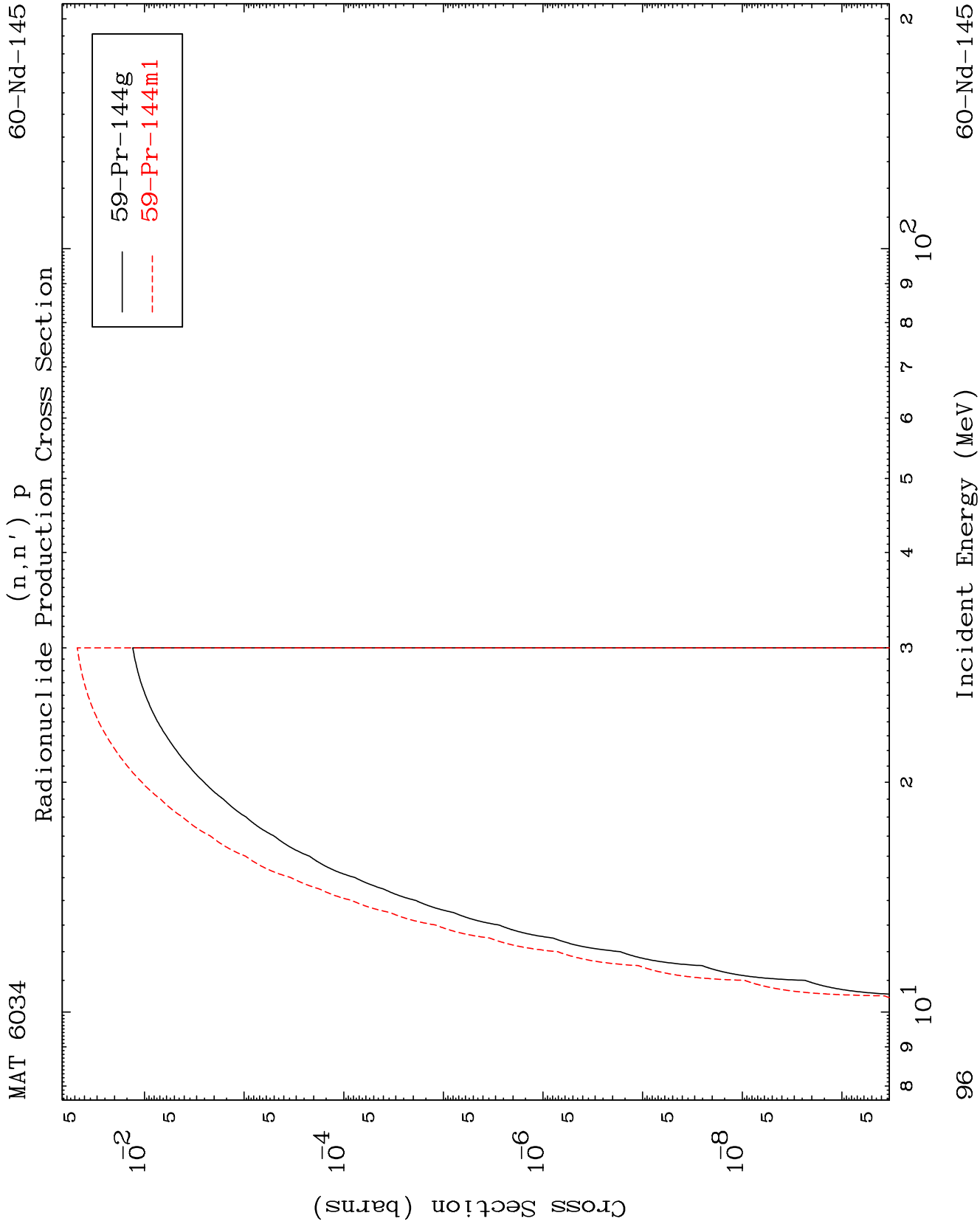
MT= 70 (n, n') Level
Legendre Coefficients

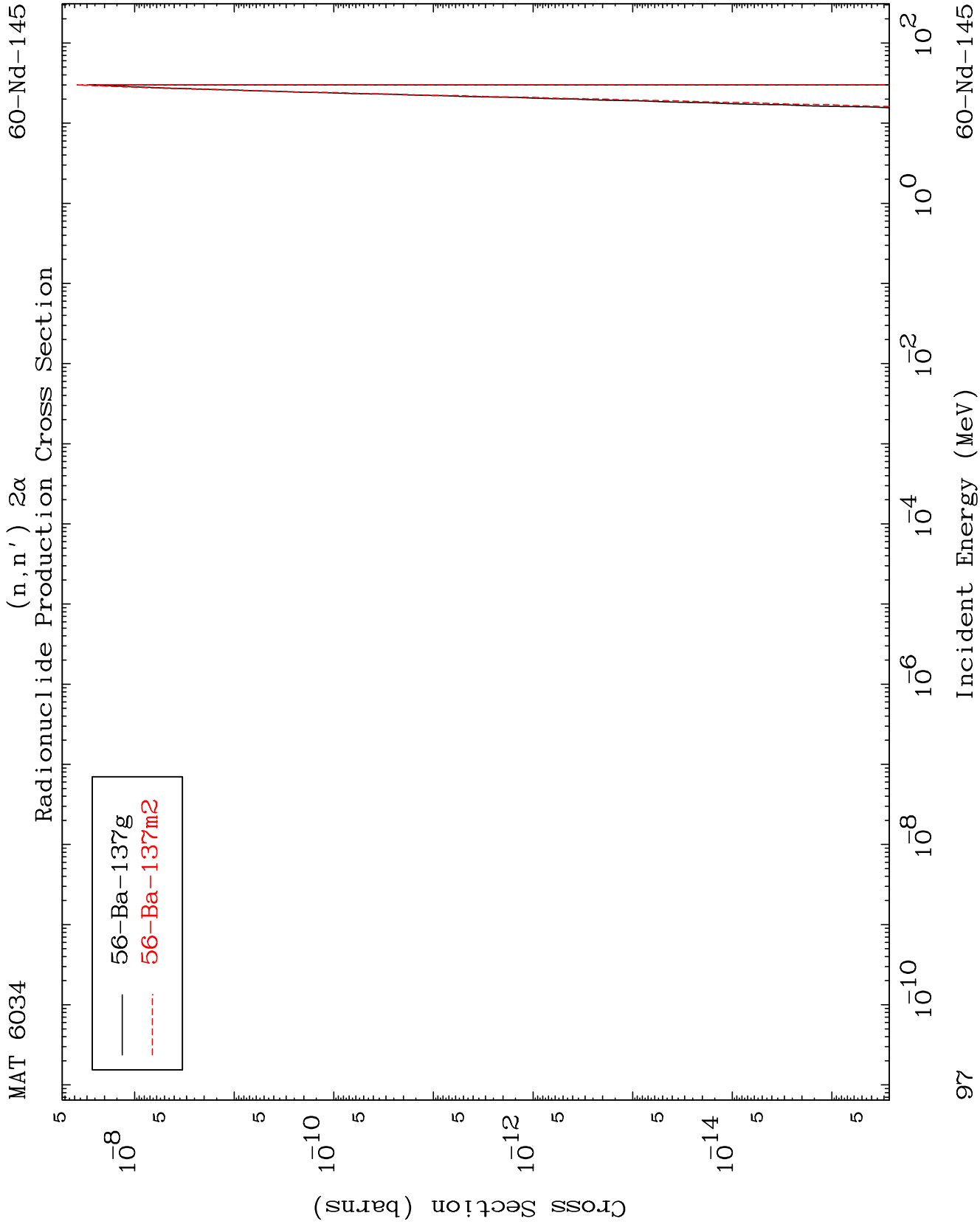
60-Nd-145









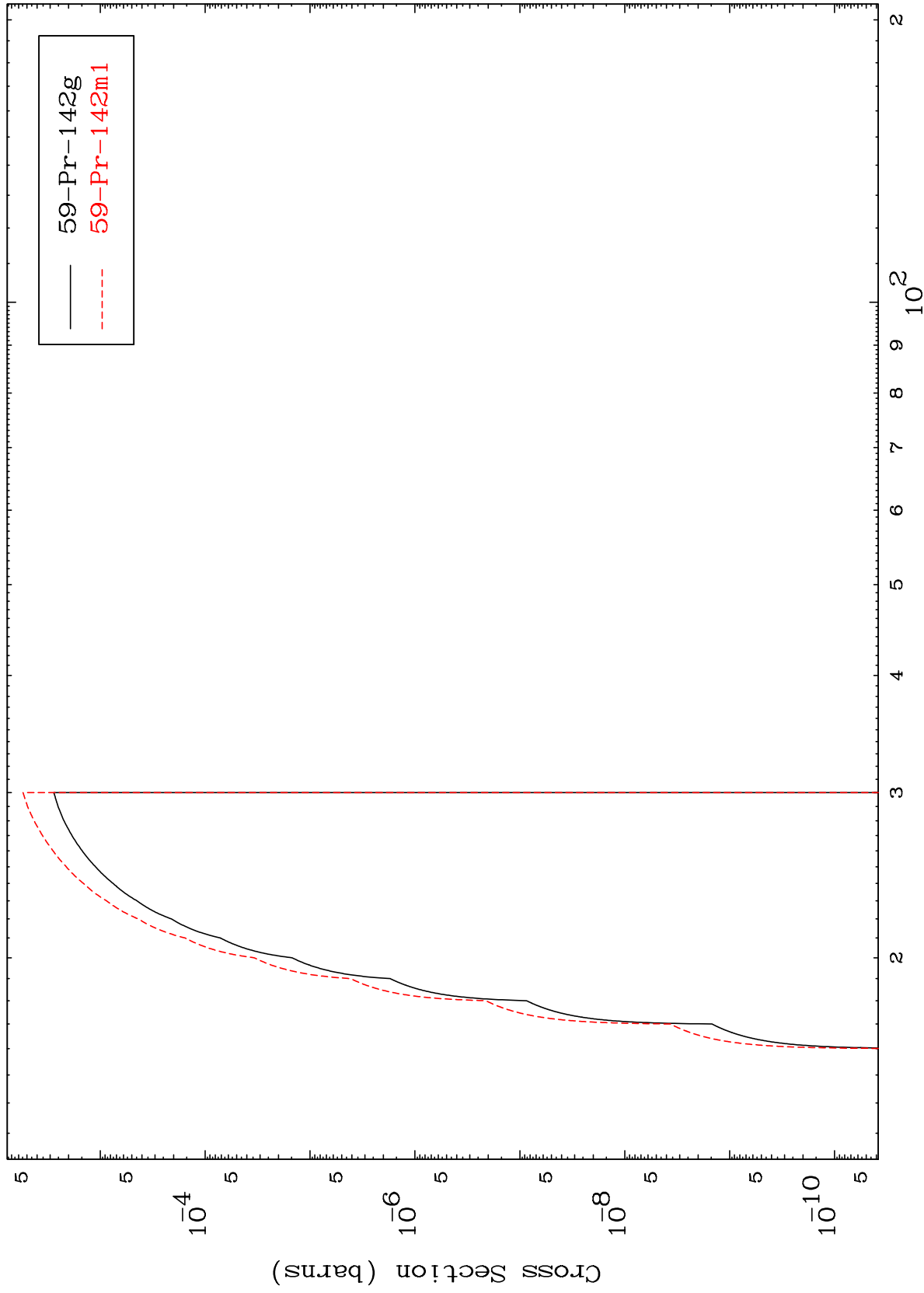


MAT 6034

(n,n') t

60-Nd-145

Radionuclide Production Cross Section



98

Incident Energy (MeV)

60-Nd-145

