

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

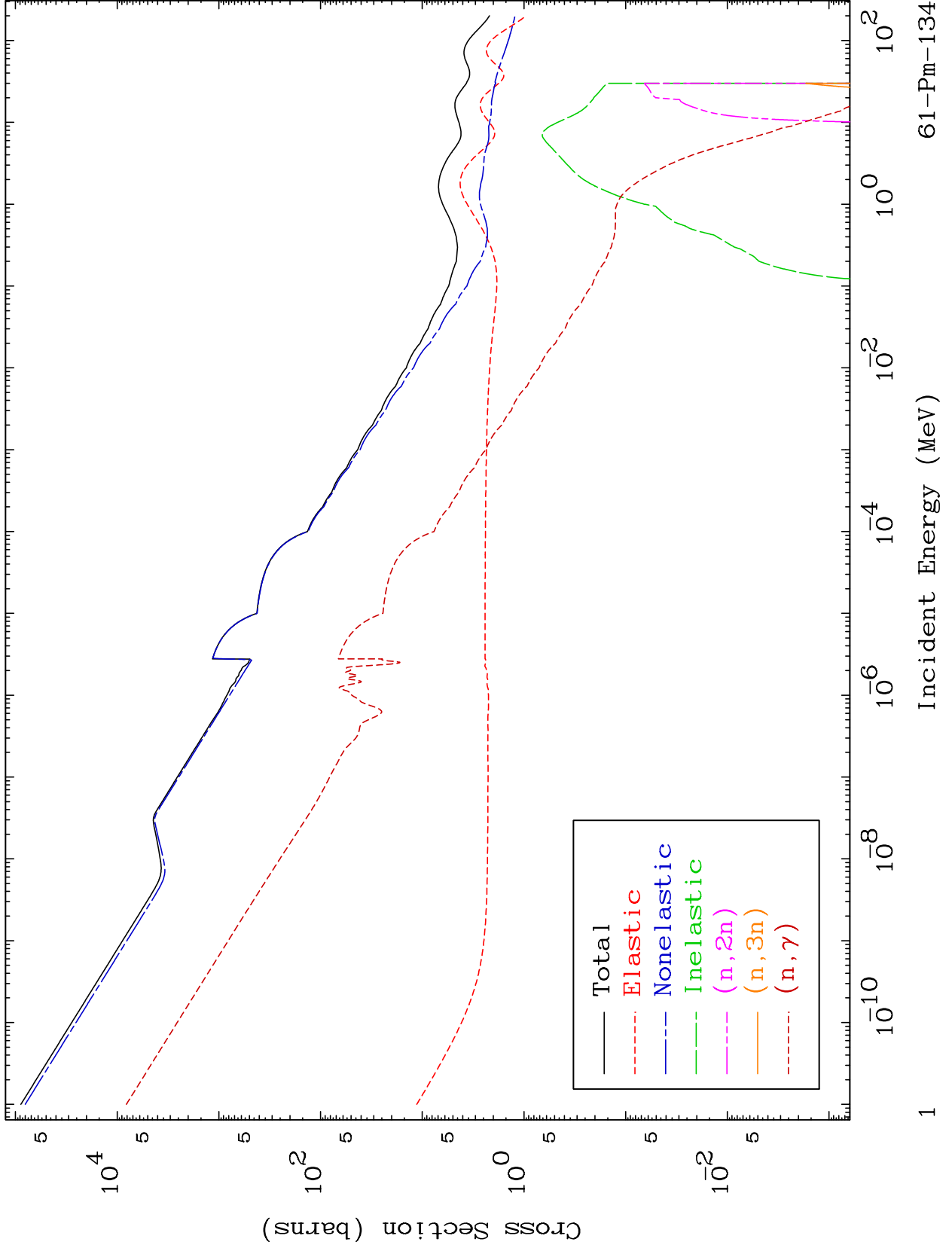
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6110

Neutron Major
293 Kelvin Cross Sections

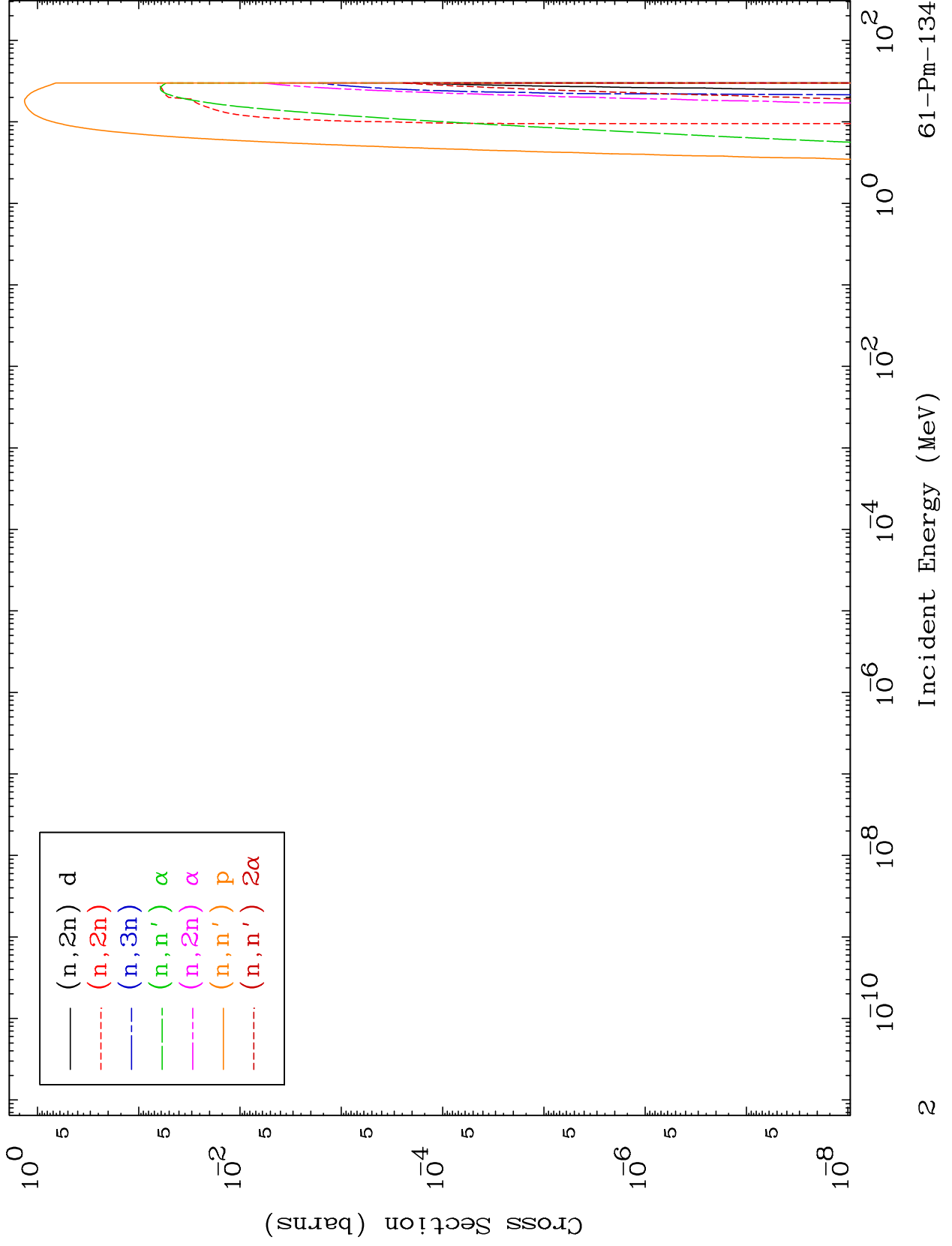
61-Pm-134



MAT 6110

Neutron Absorption
293 Kelvin Cross Sections

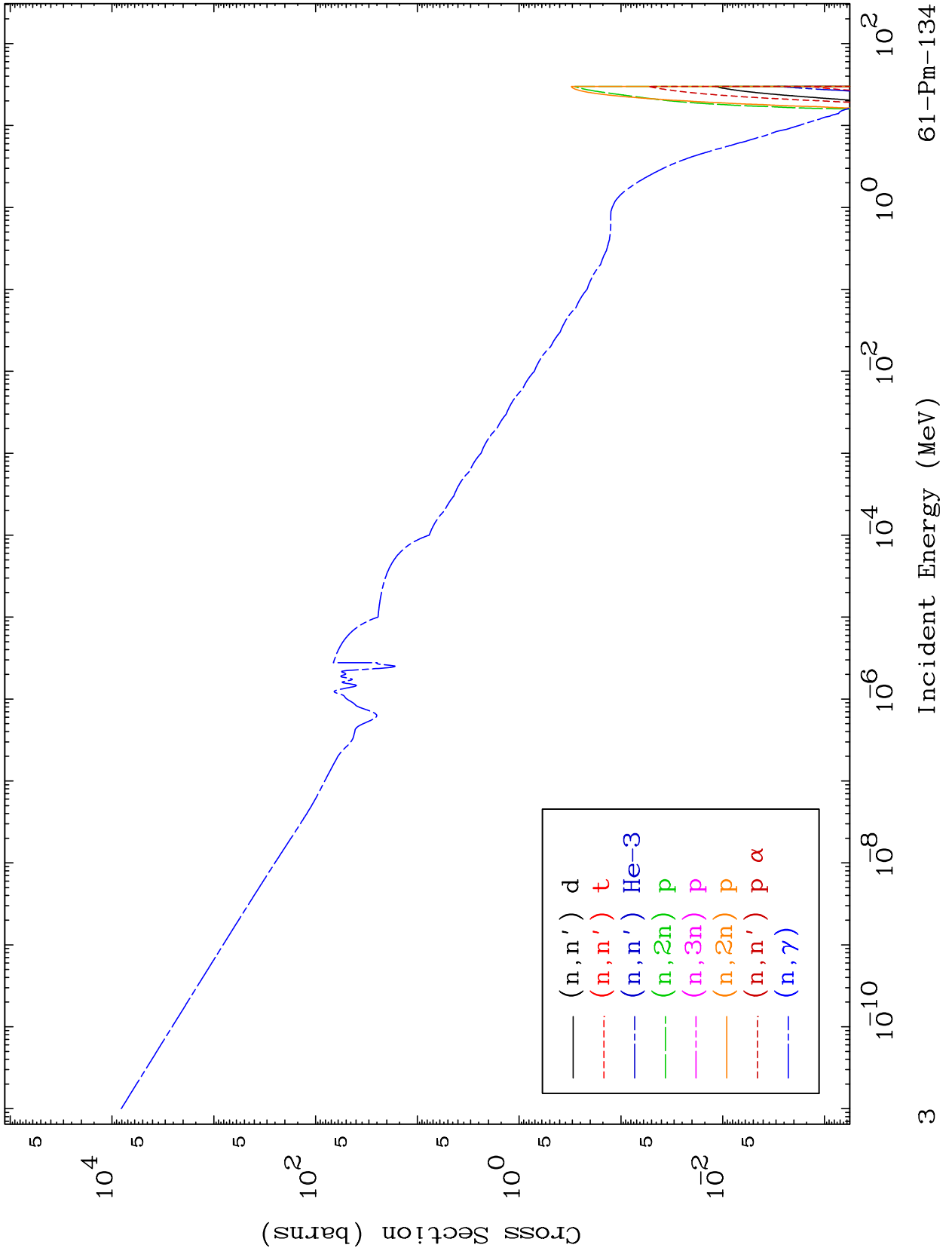
61-Pm-134



MAT 6110

Neutron Absorption
293 Kelvin Cross Sections

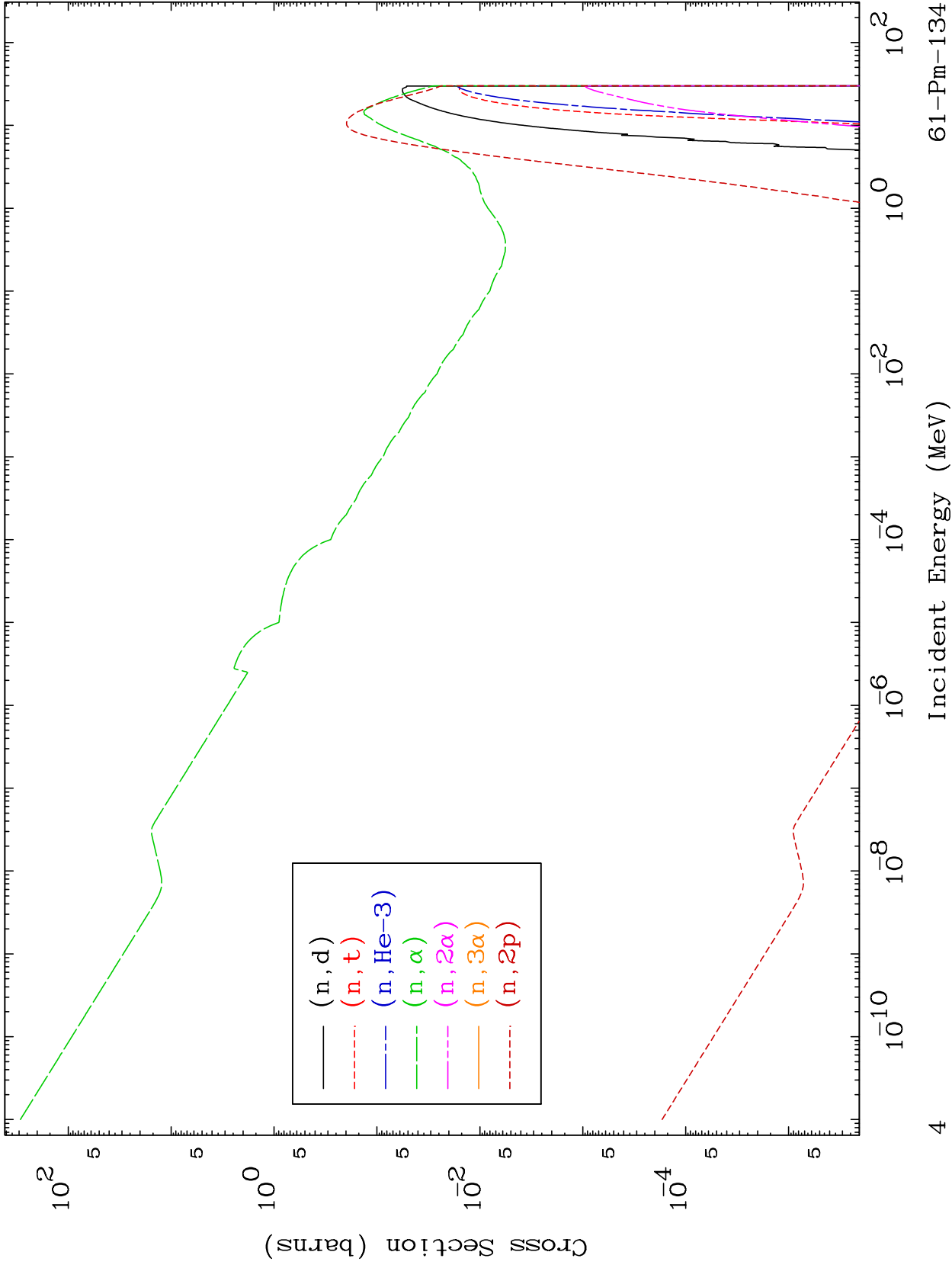
61-Pm-134



MAT 6110

Neutron Absorption
293 Kelvin Cross Sections

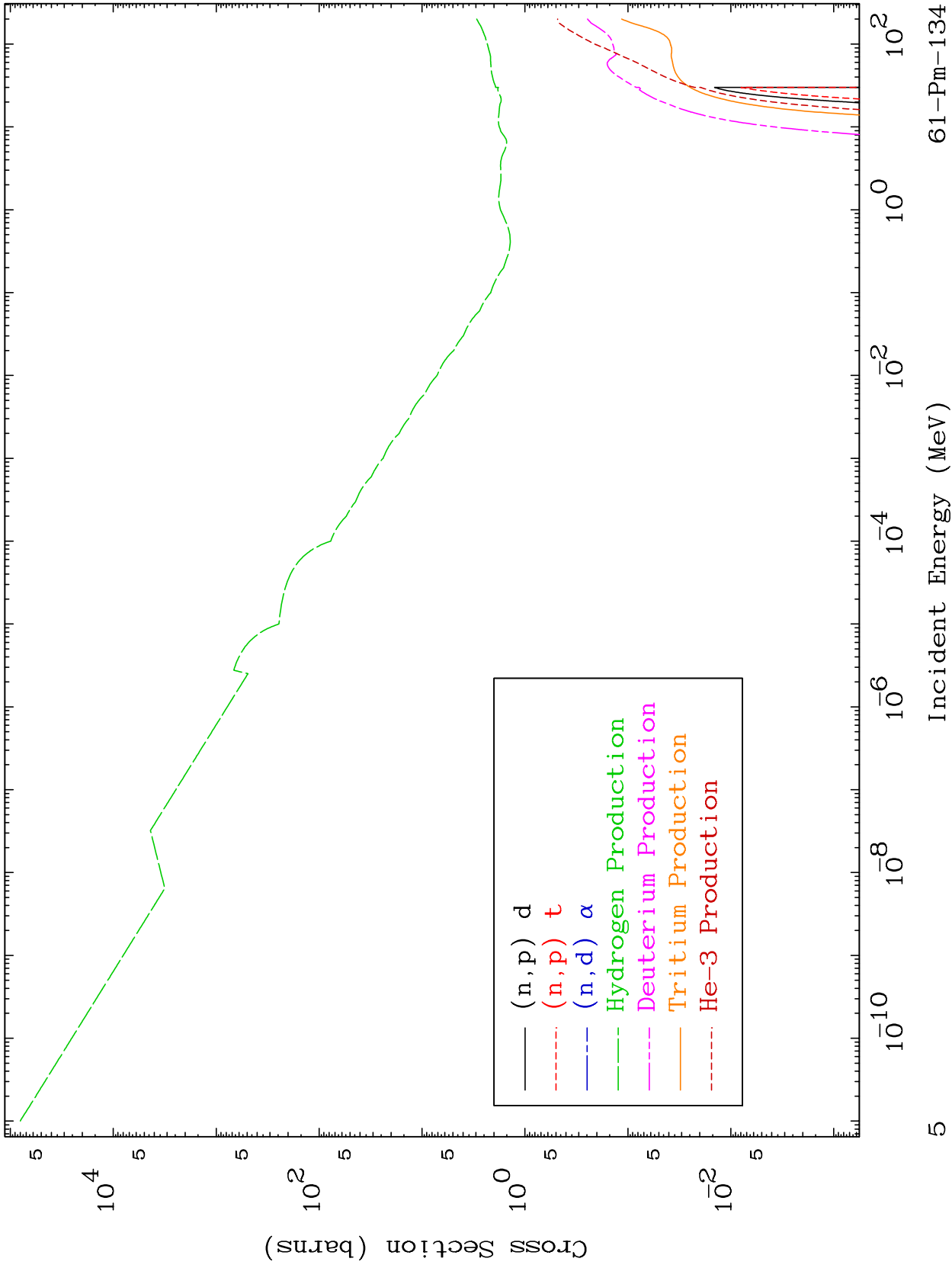
61-Pm-134



MAT 6110

Neutron Absorption
293 Kelvin Cross Sections

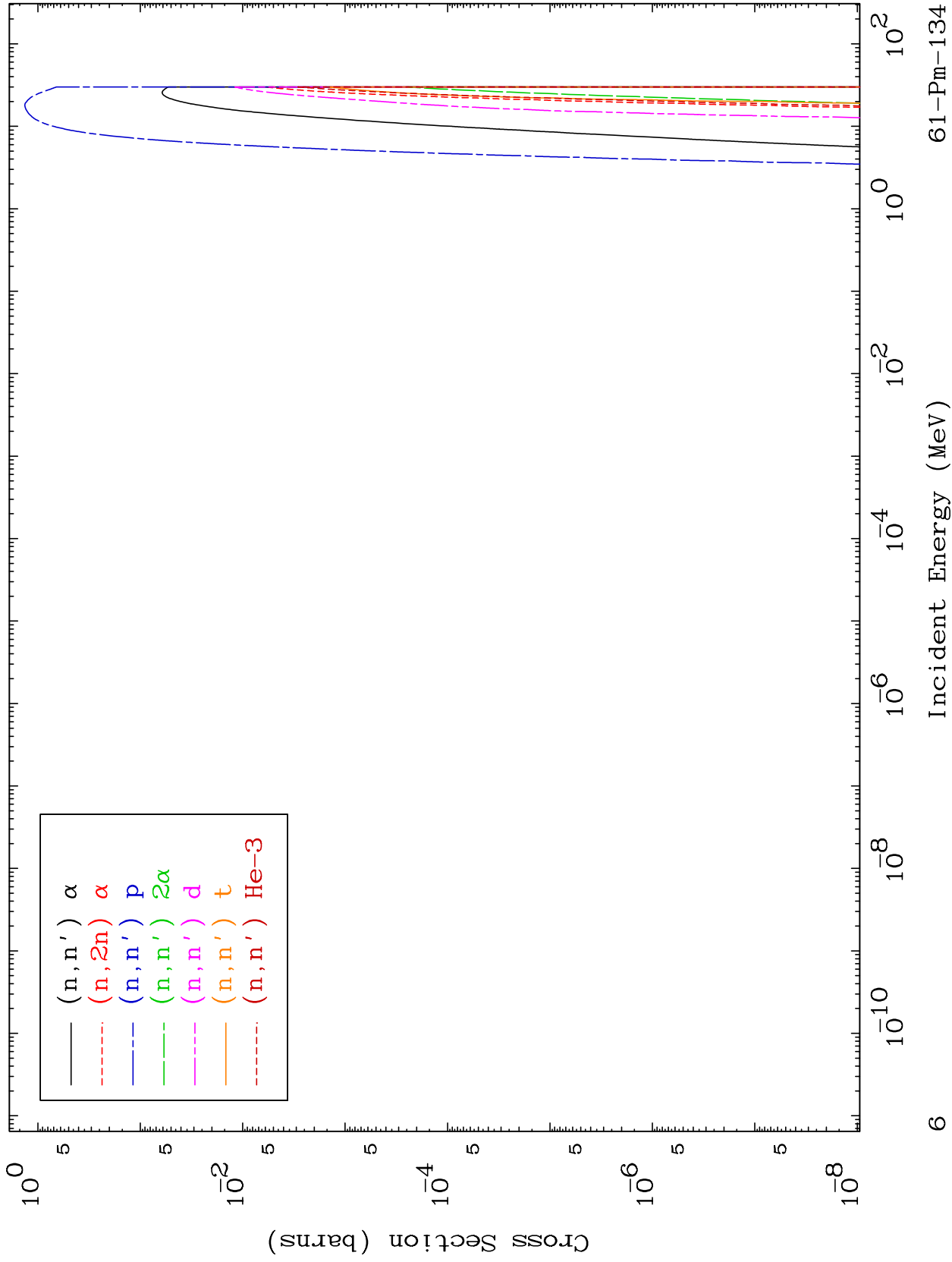
61-Pm-134



MAT 6110

Charged Particle
293 Kelvin Cross Sections

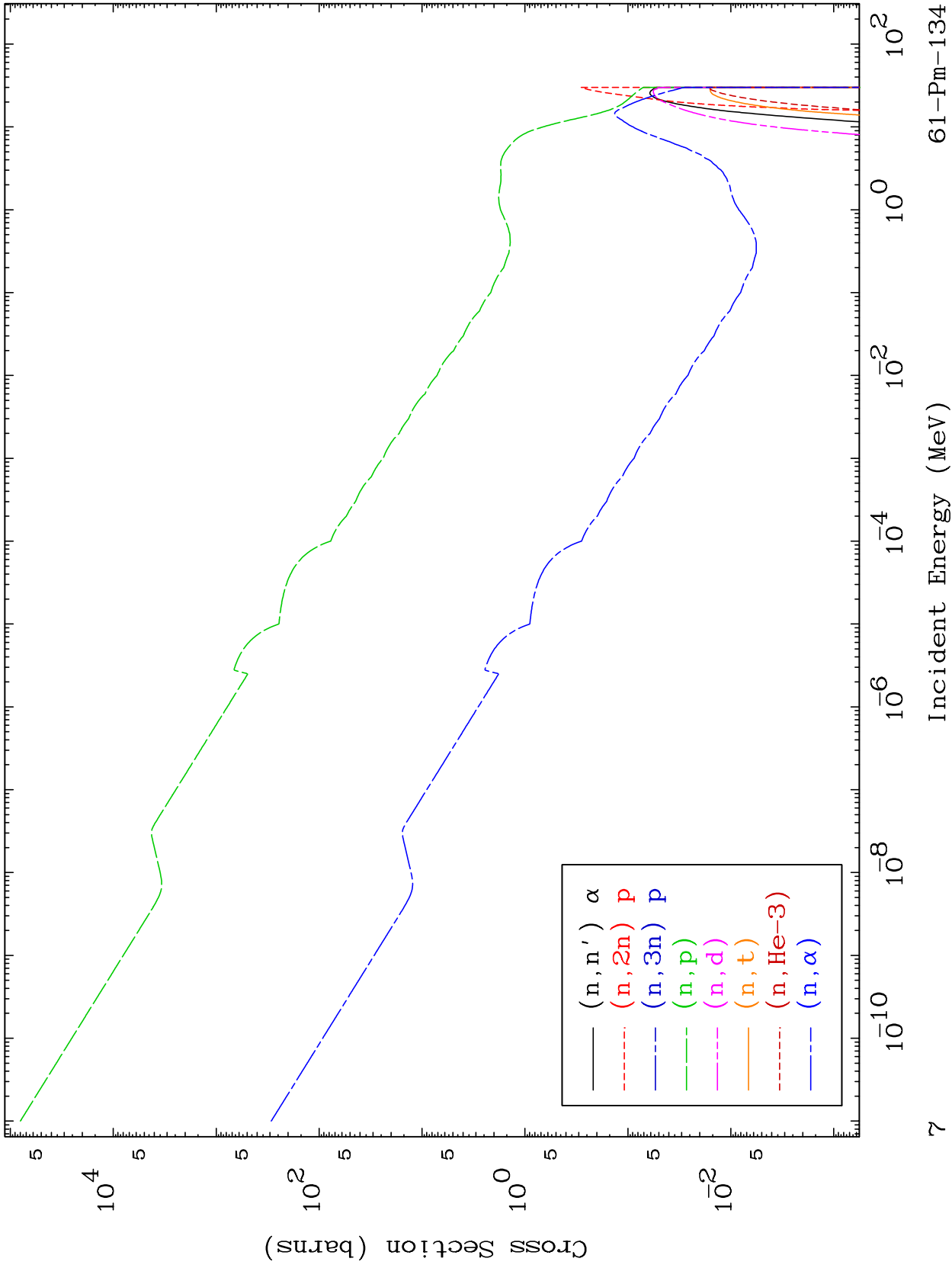
61-Pm-134



MAT 6110

Charged Particle
293 Kelvin Cross Sections

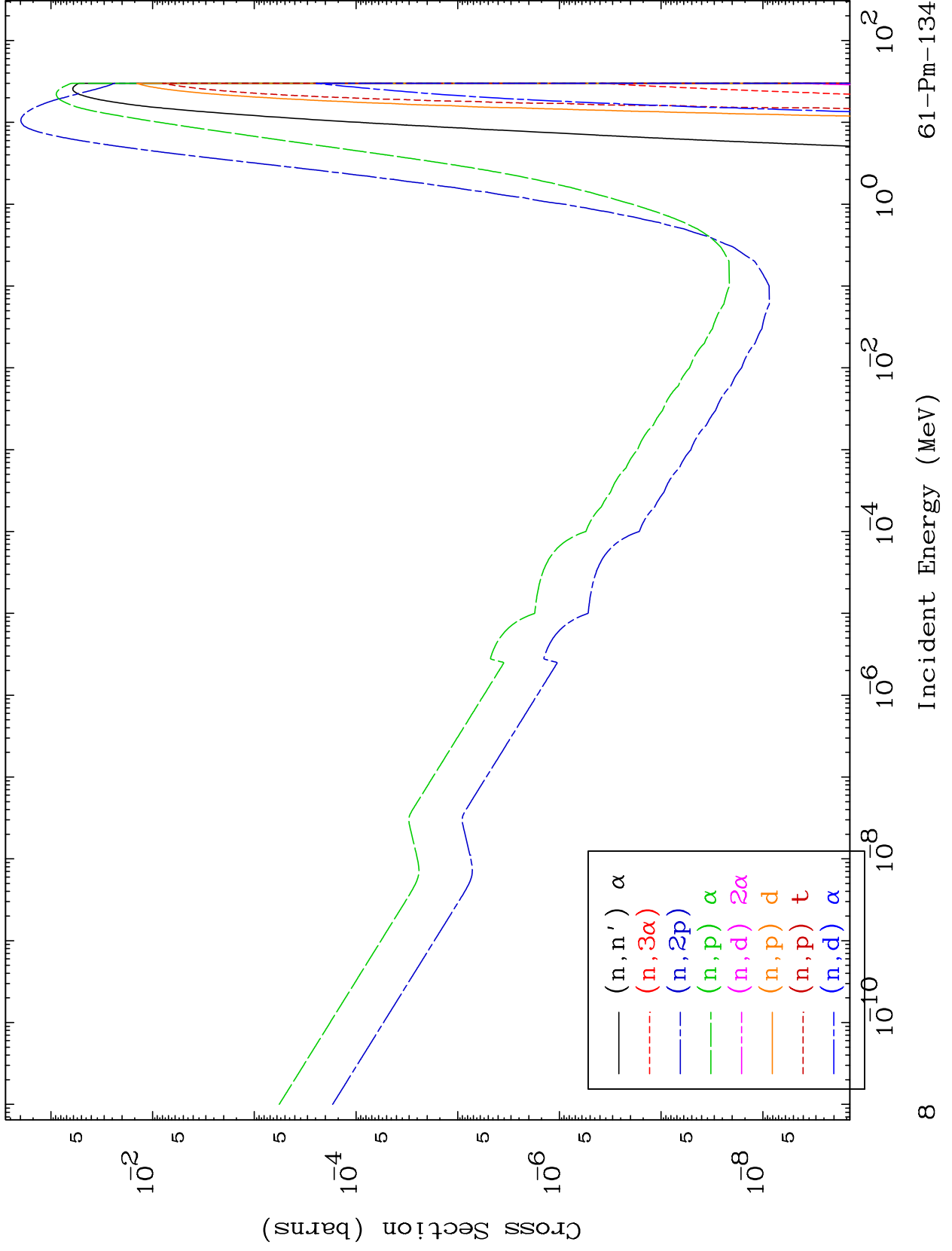
61-Pm-134

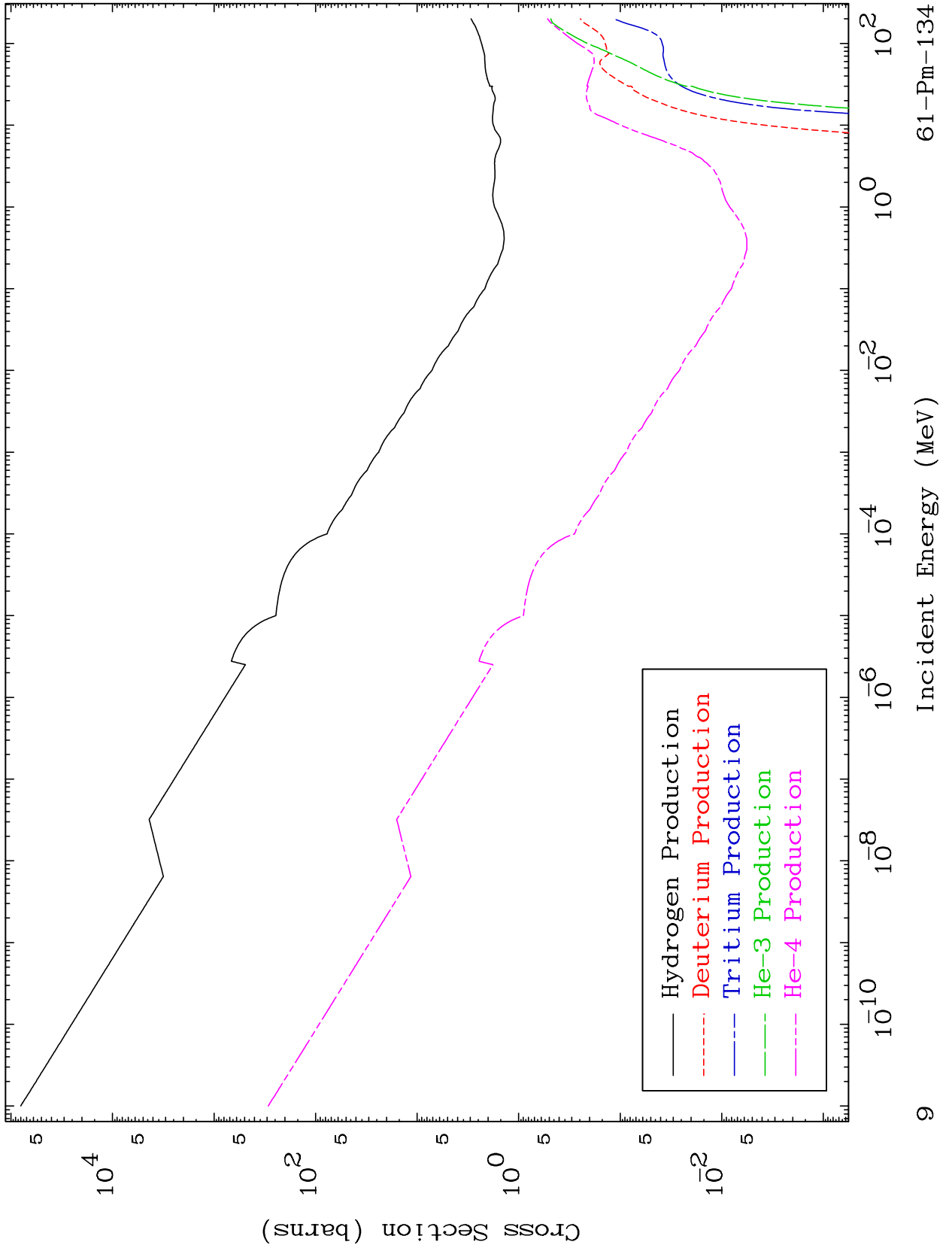


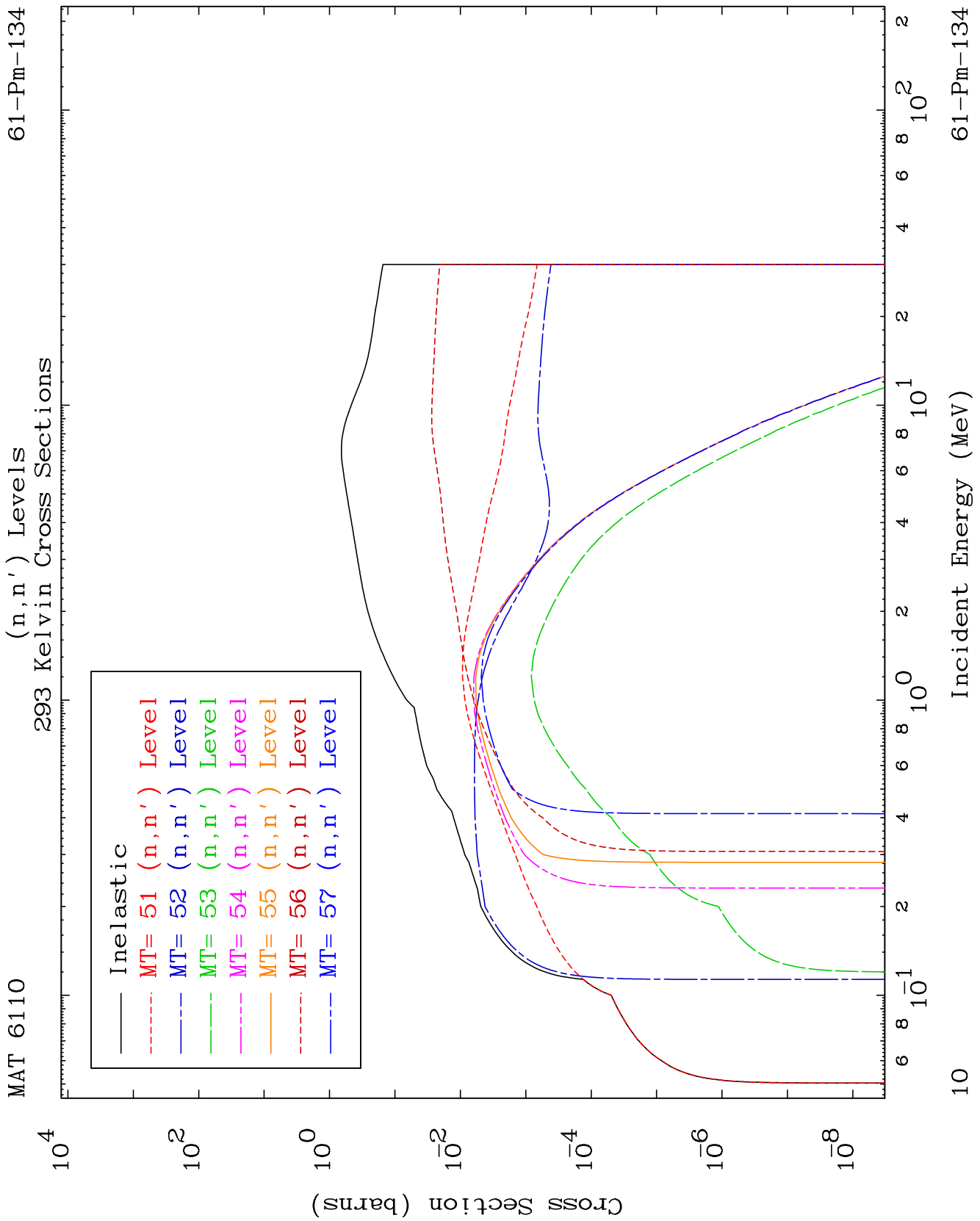
MAT 6110

Charged Particle
293 Kelvin Cross Sections

61-Pm-134



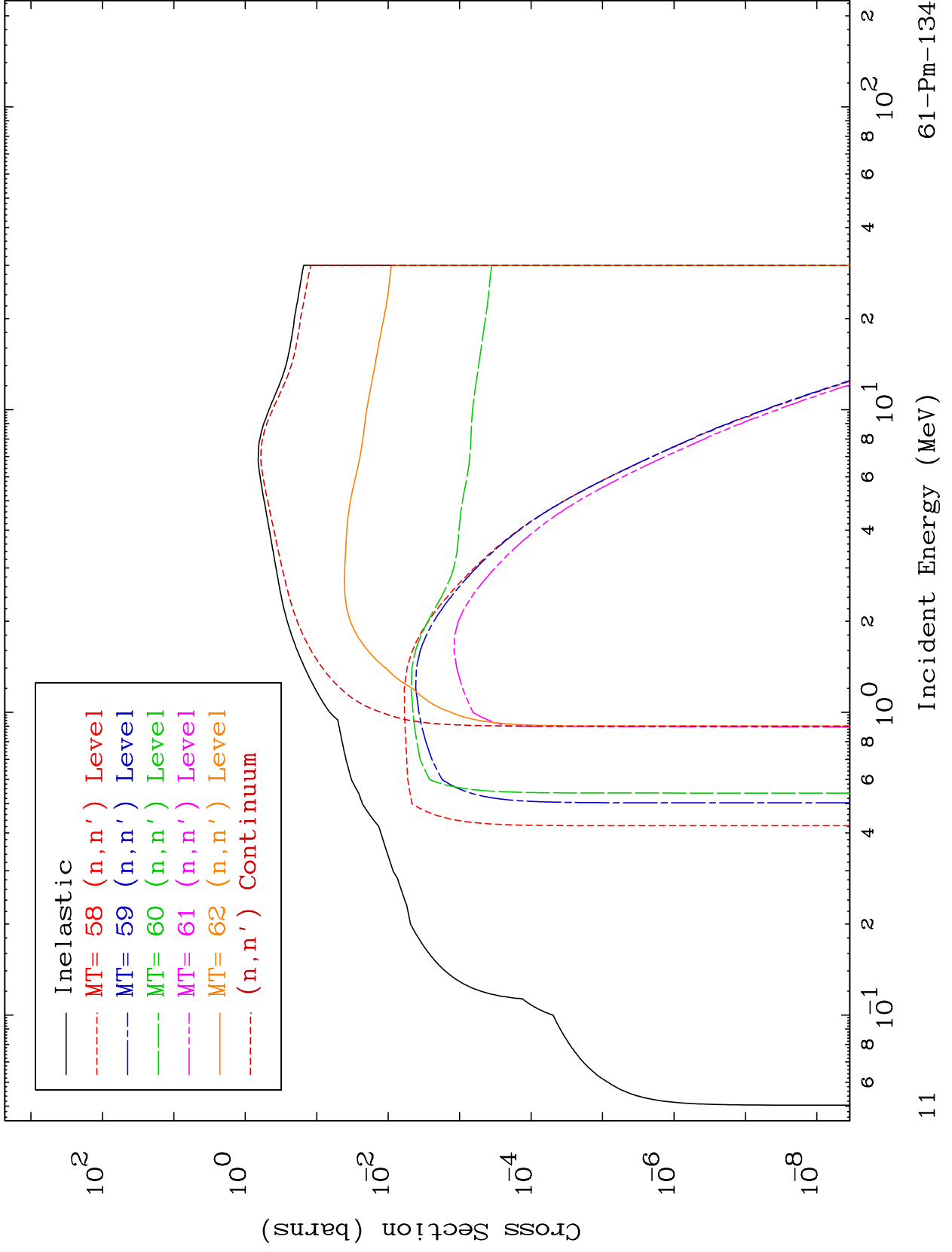


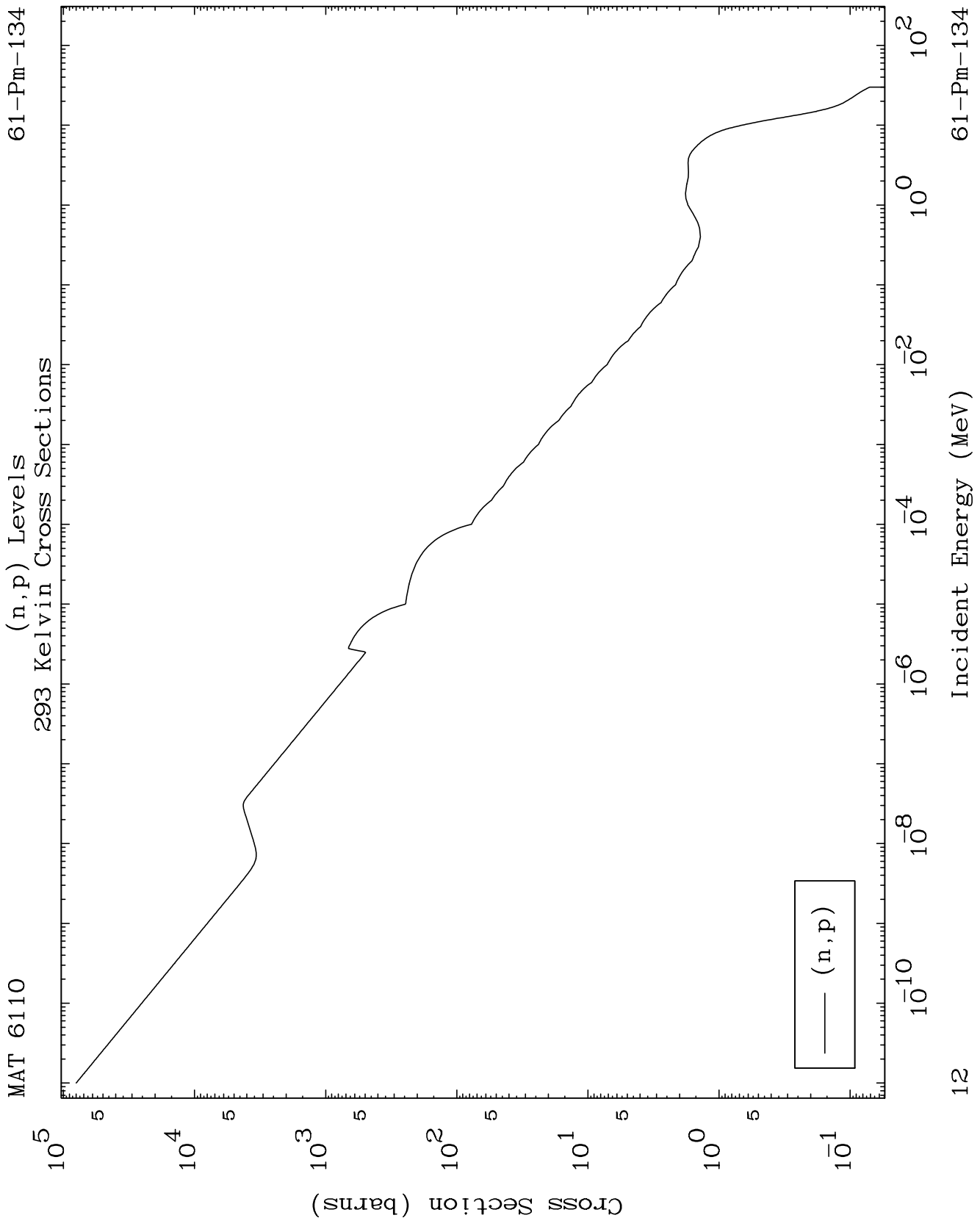


MAT 6110

293 Kelvin Cross Sections
(n,n') Levels

61-Pm-134

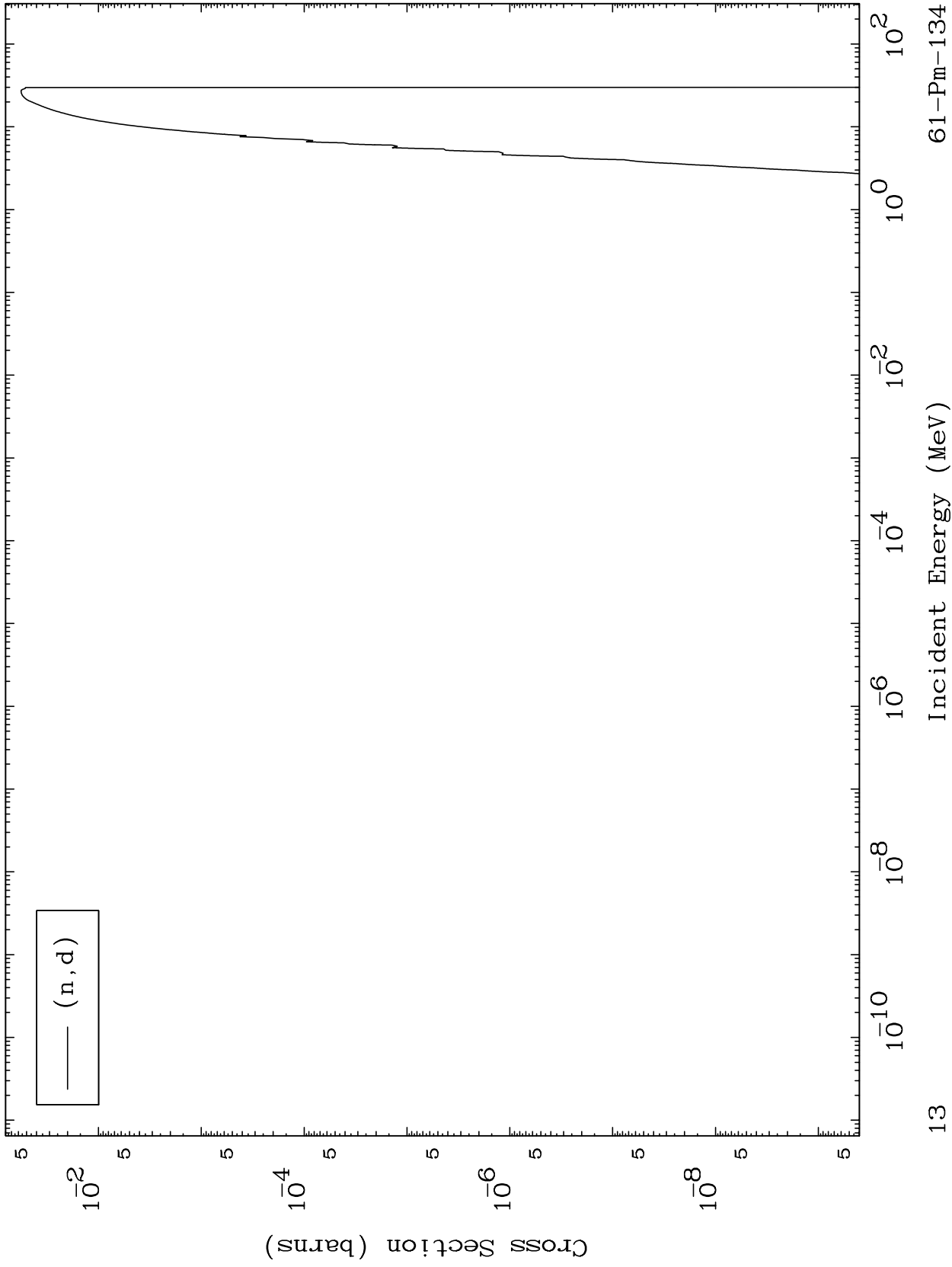




MAT 6110

(n,d) Levels
293 Kelvin Cross Sections

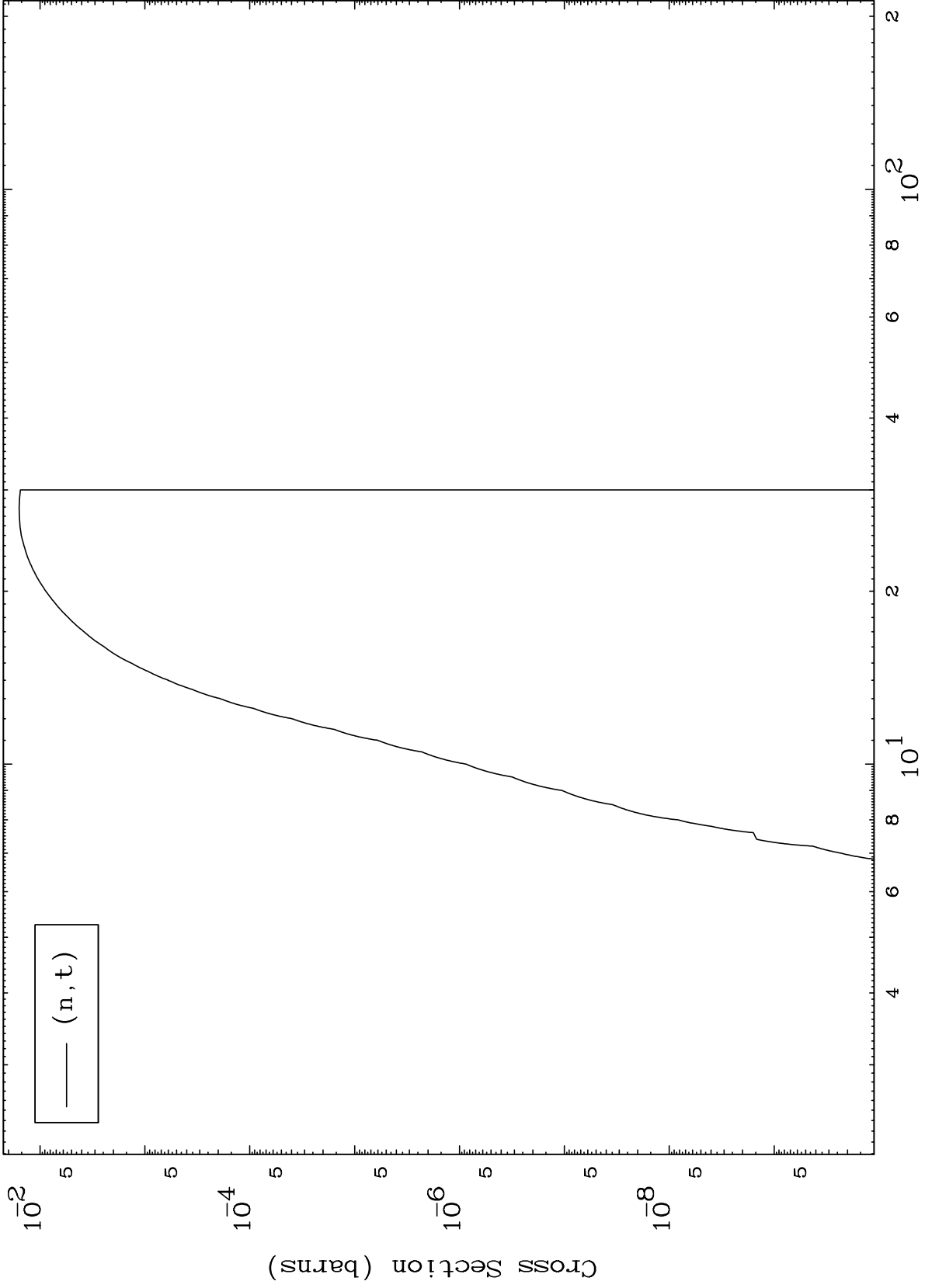
61-Pm-134



MAT 6110

(n,t) Levels
293 Kelvin Cross Sections

61-Pm-134



14

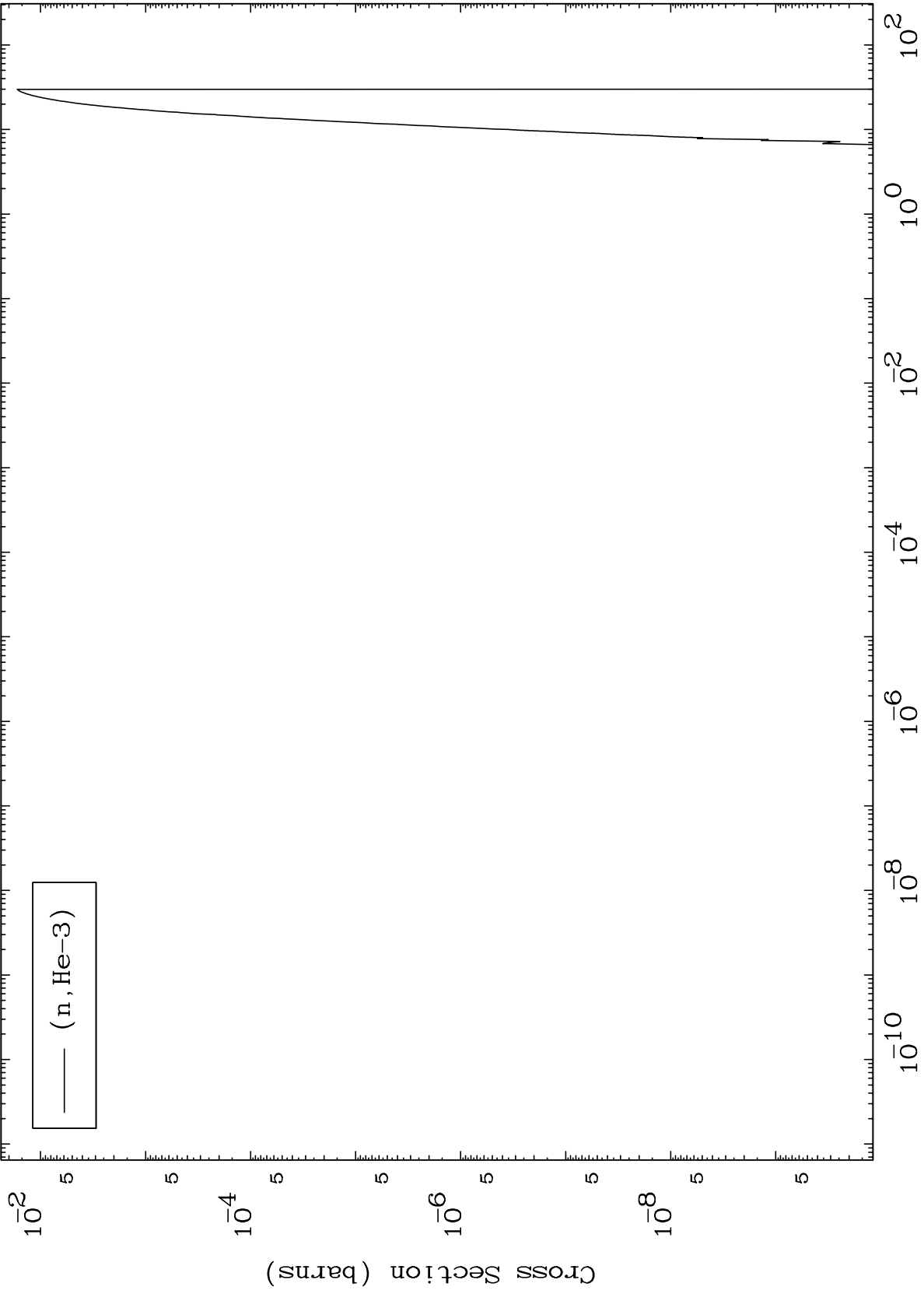
Incident Energy (MeV)

61-Pm-134

MAT 6110

(n,He3) Levels
293 Kelvin Cross Sections

61-Pm-134



15

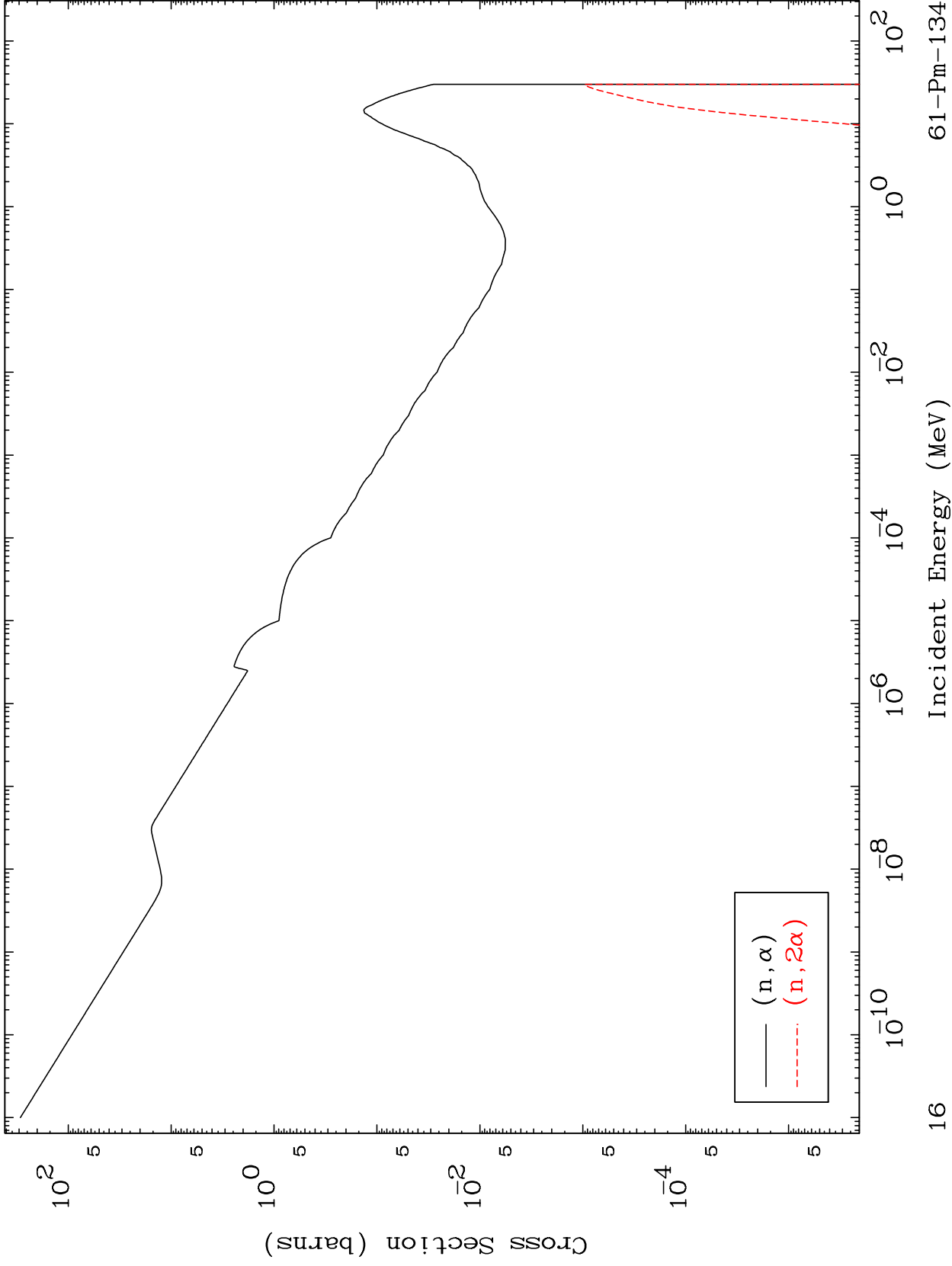
Incident Energy (MeV)

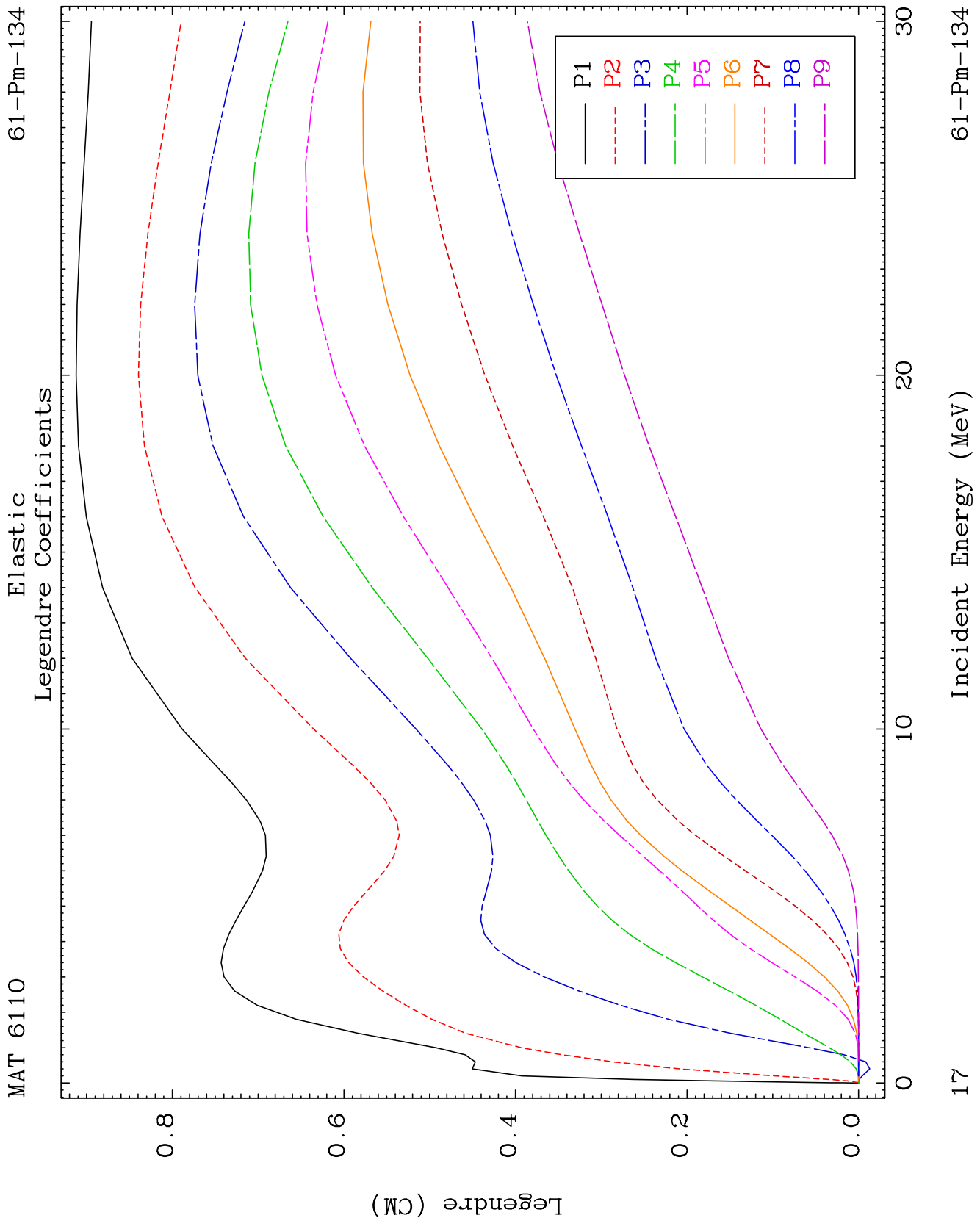
61-Pm-134

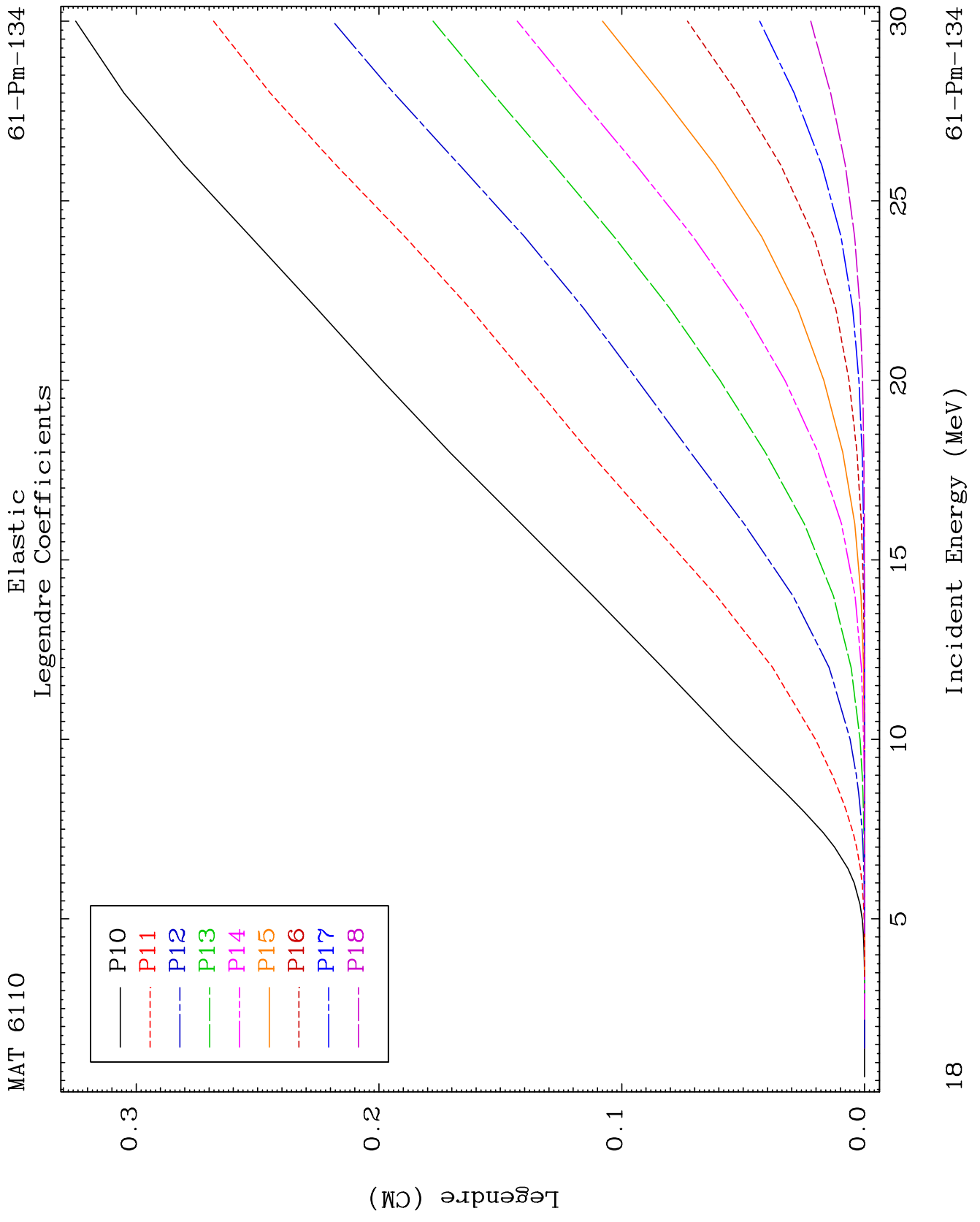
MAT 6110

(n,α) Levels
293 Kelvin Cross Sections

61-Pm-134



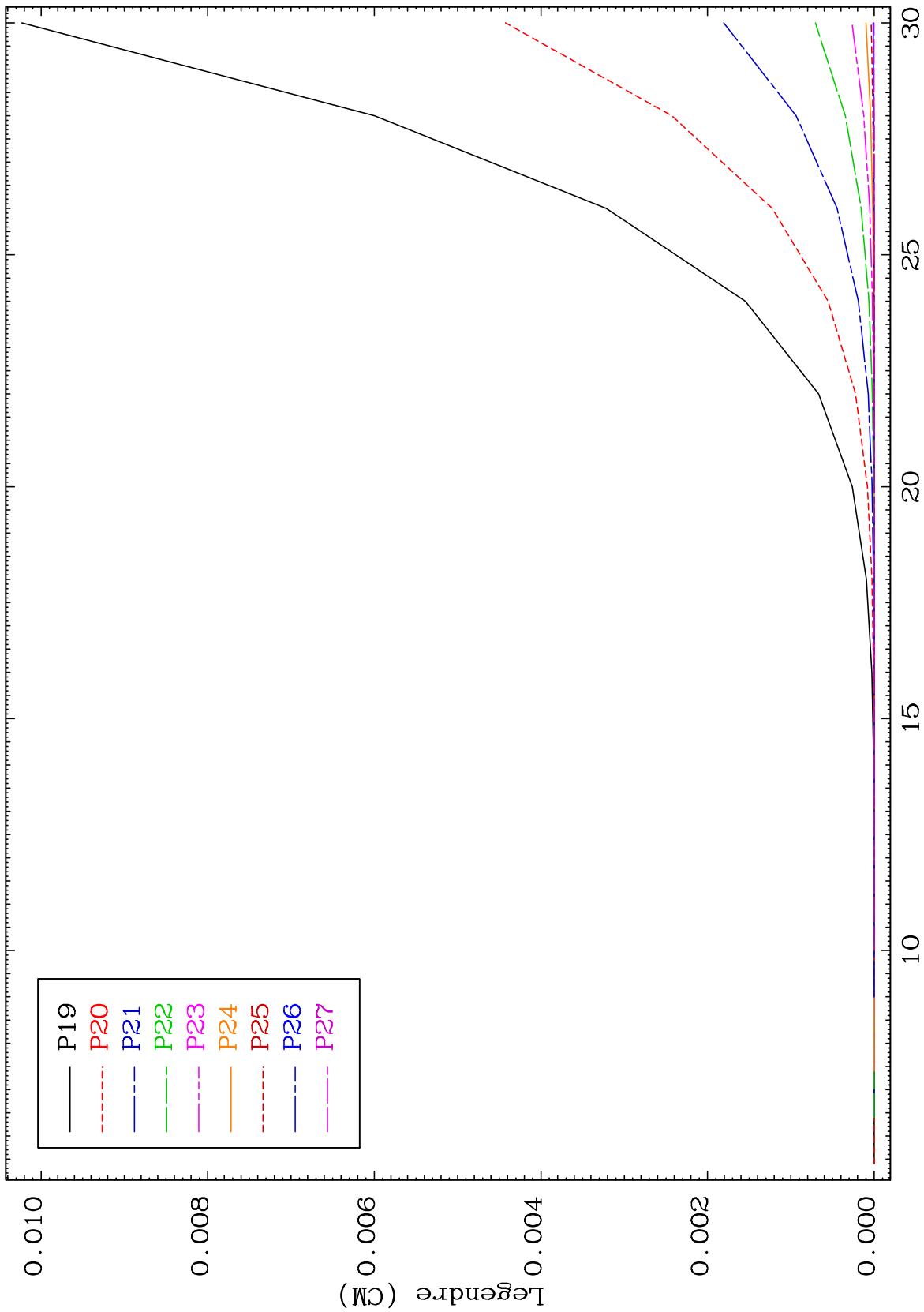




MAT 6110

Elastic Legendre Coefficients

61-Pm-134



19

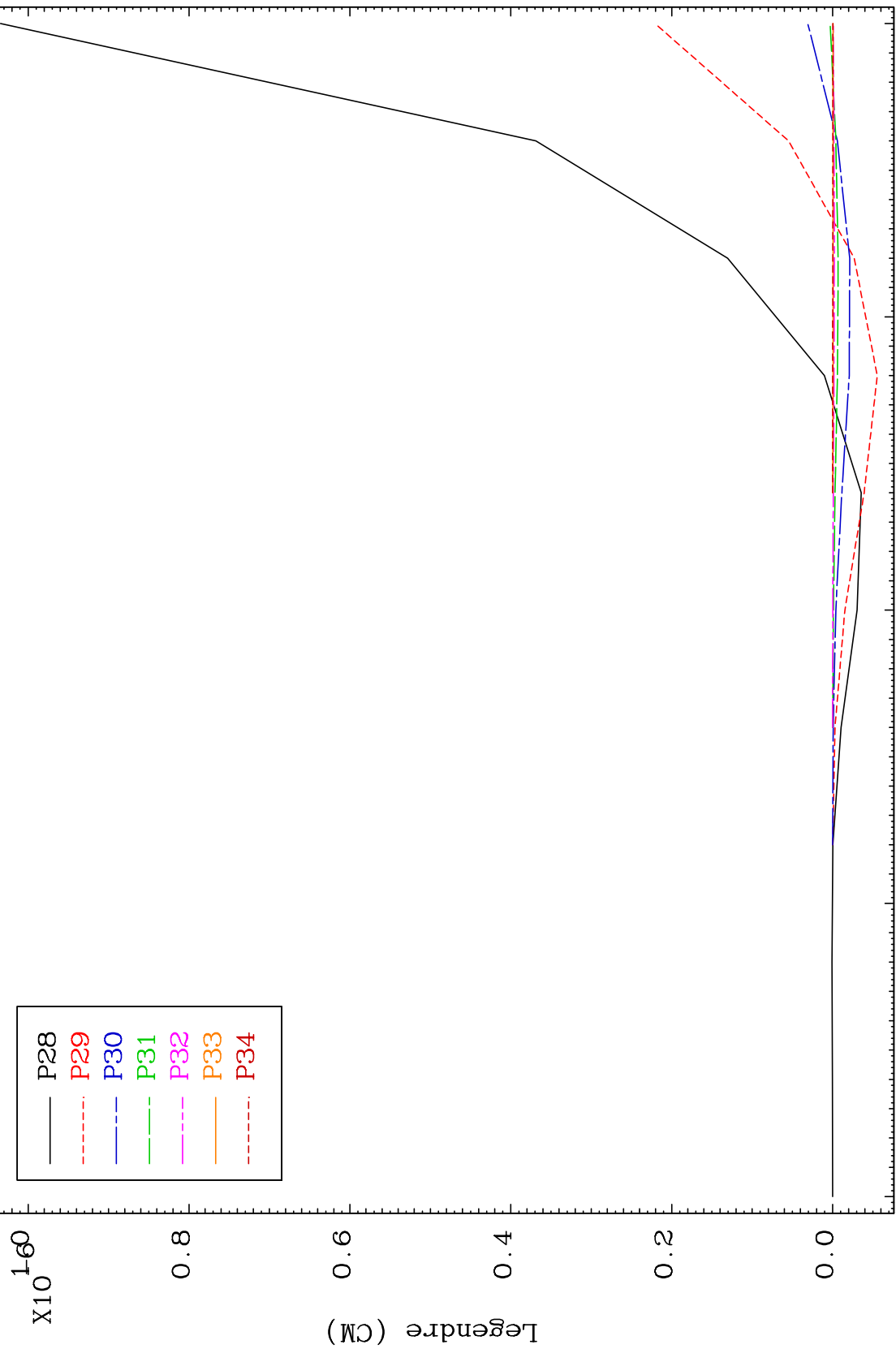
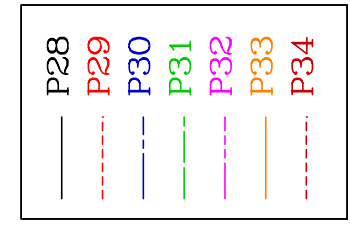
Incident Energy (MeV)

61-Pm-134

MAT 6110

Elastic Legendre Coefficients

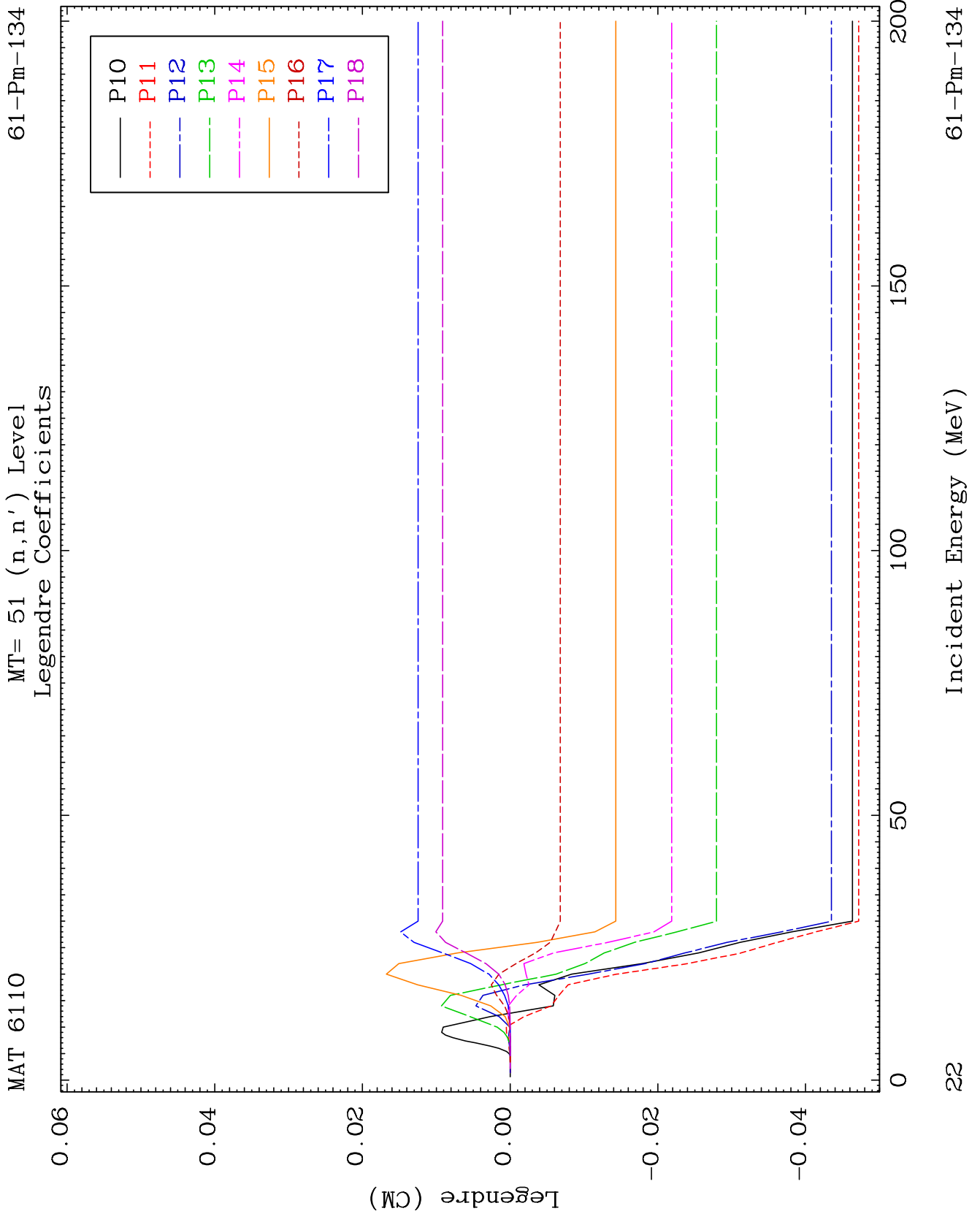
61-Pm-134



61-Pm-134

Incident Energy (MeV)

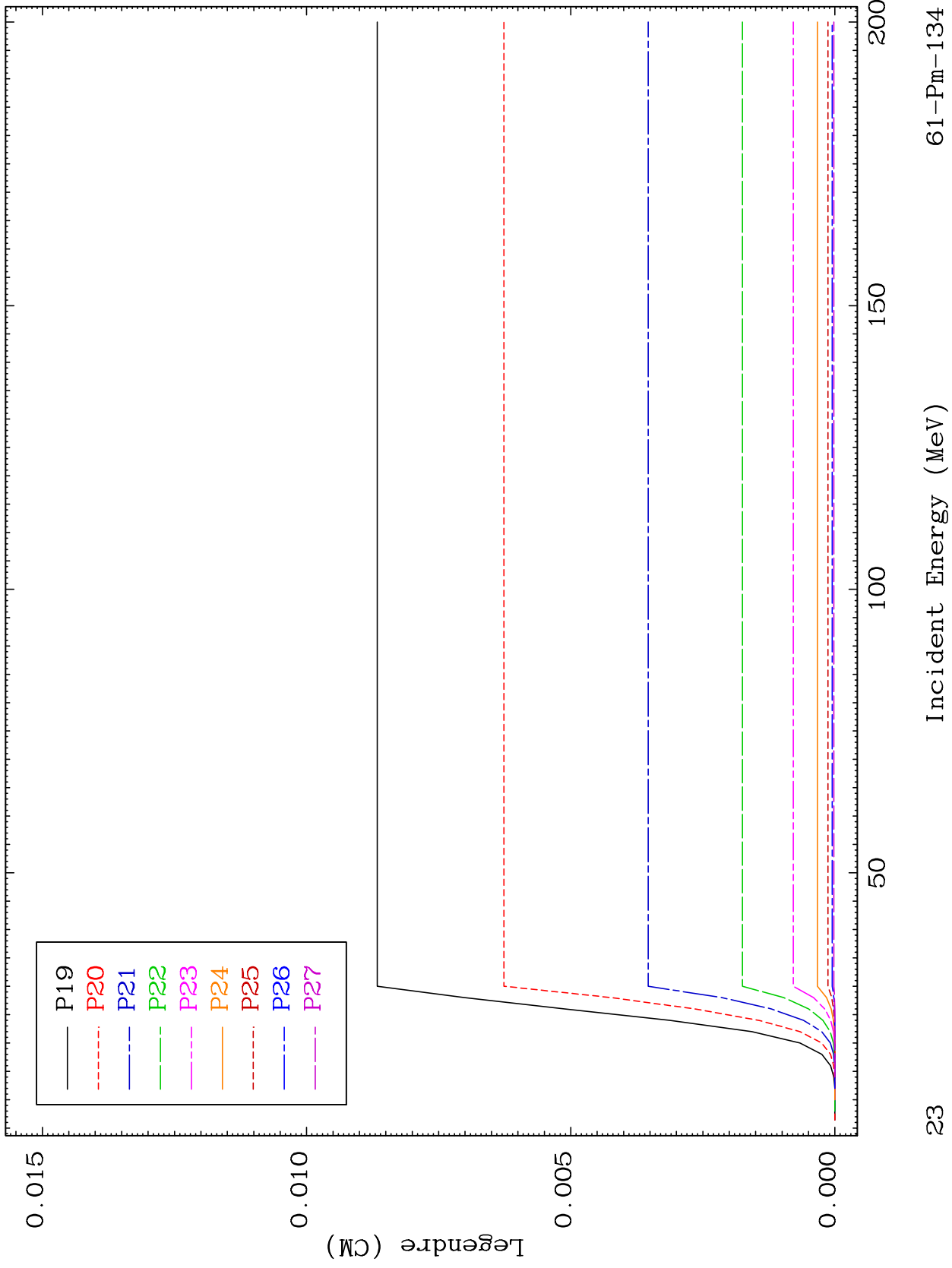
20



MAT 6110

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

61-Pm-134



23

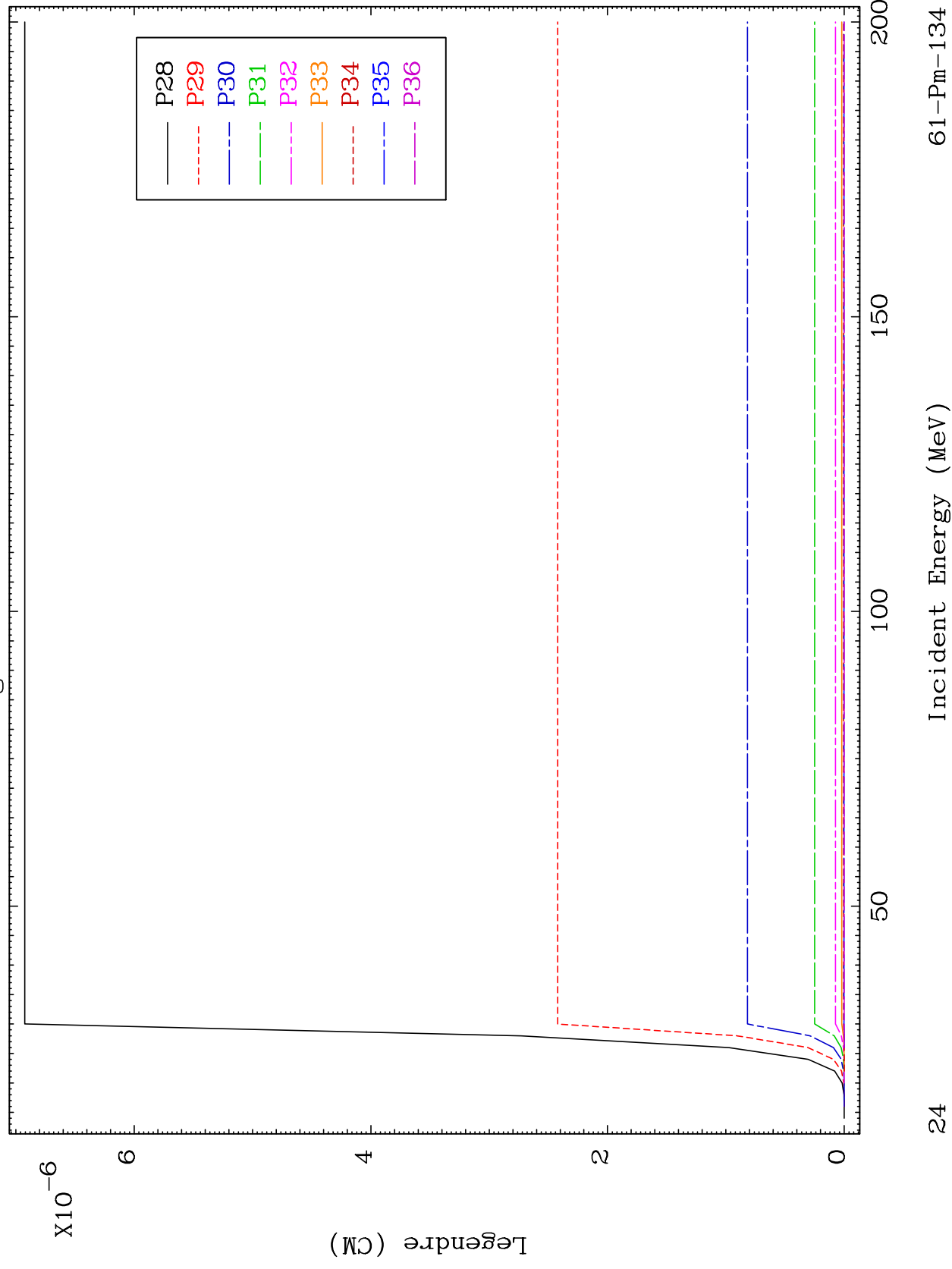
Incident Energy (MeV)

61-Pm-134

MAT 6110

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

61-Pm-134



24

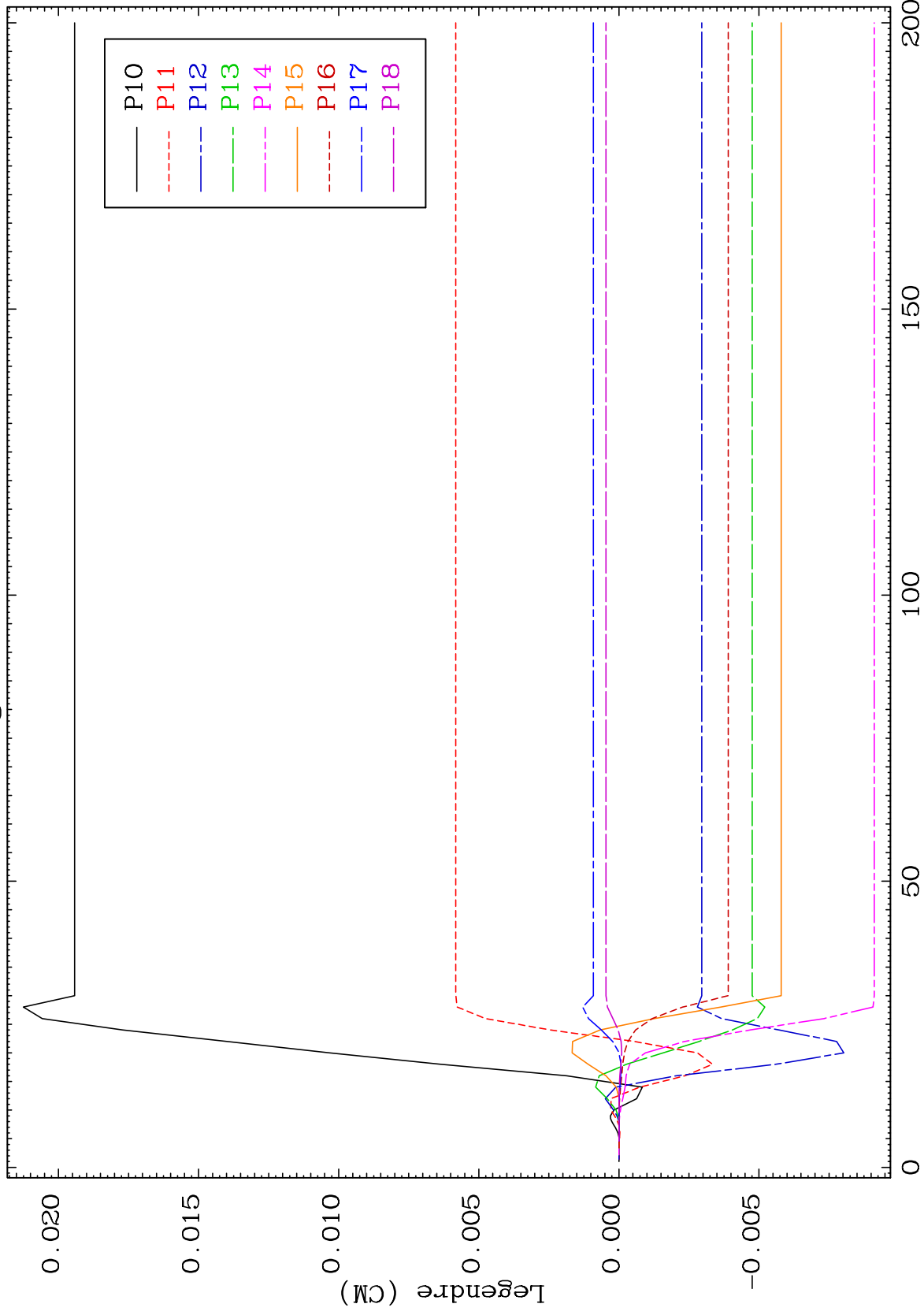
Incident Energy (MeV)

61-Pm-134

MAT 6110

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

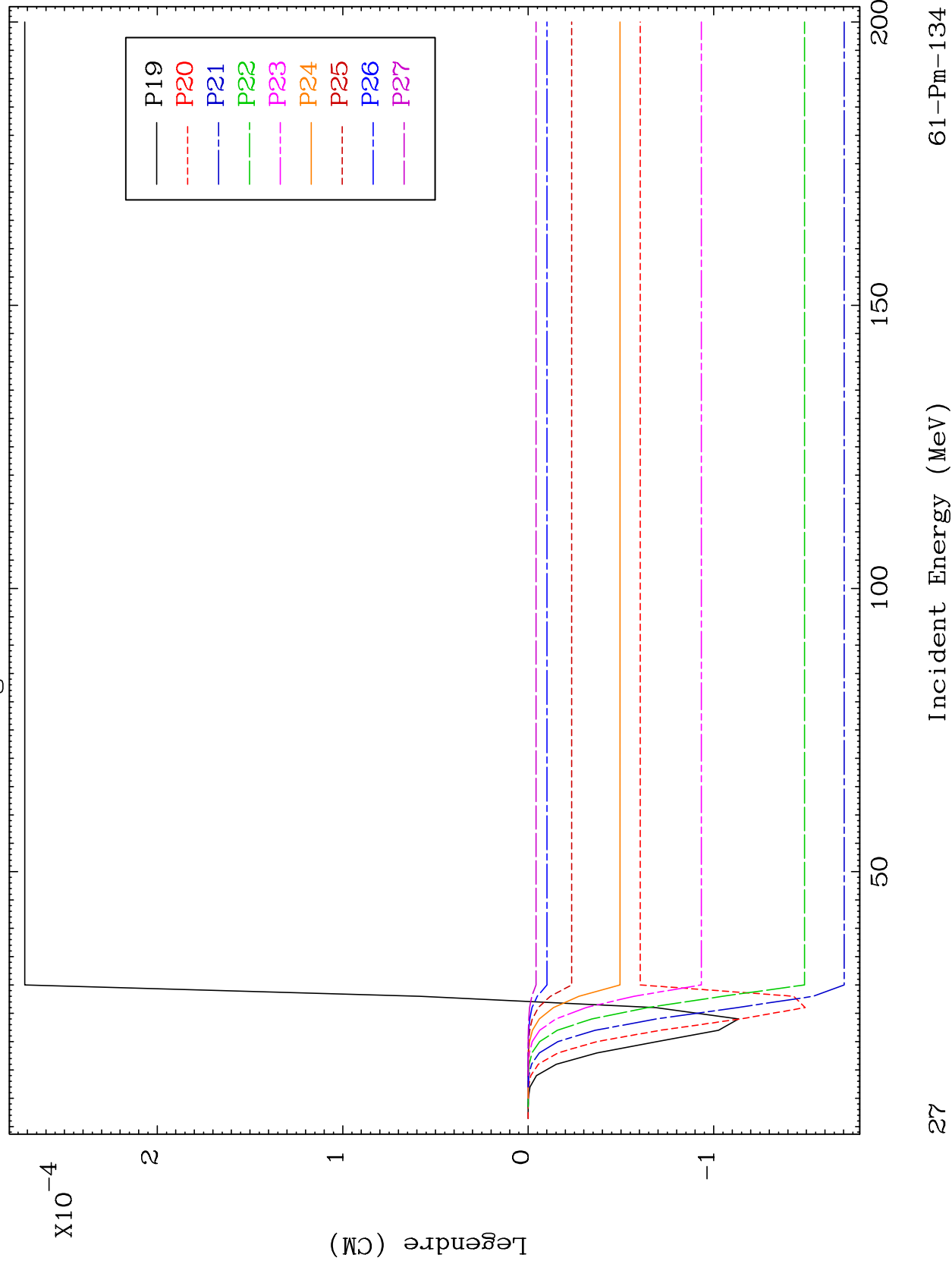
61-Pm-134

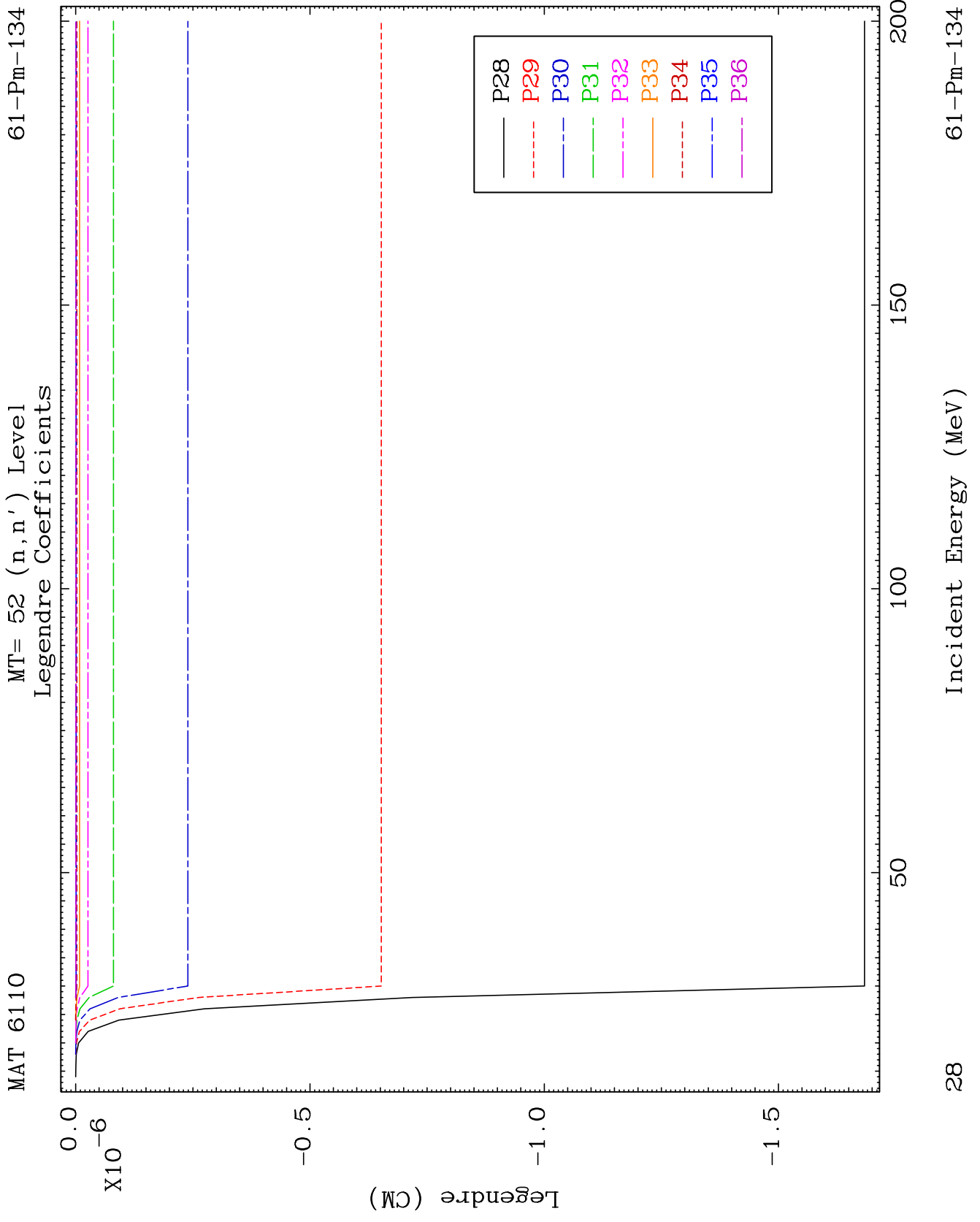


26

Incident Energy (MeV)

61-Pm-134

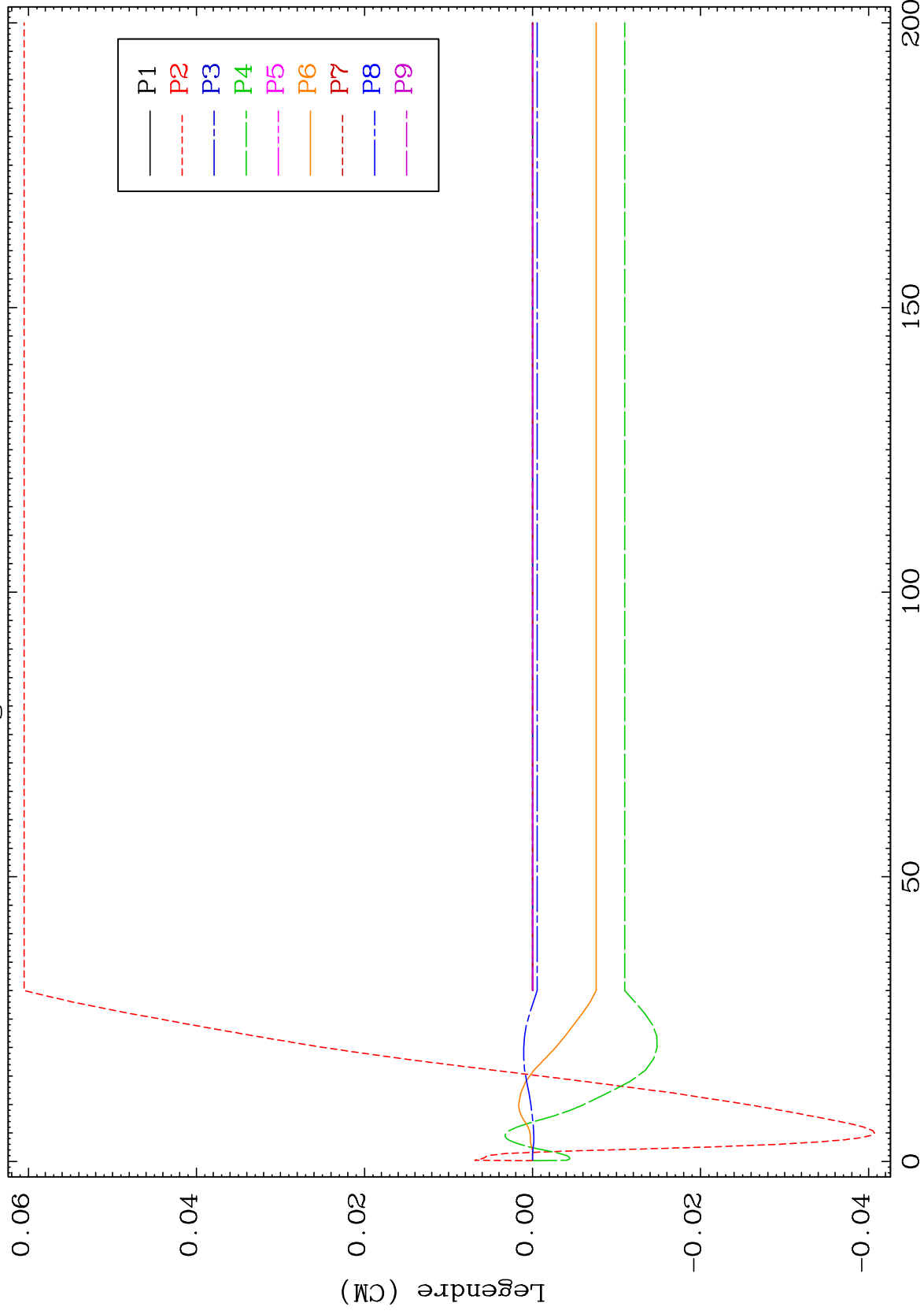




MAT 6110

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

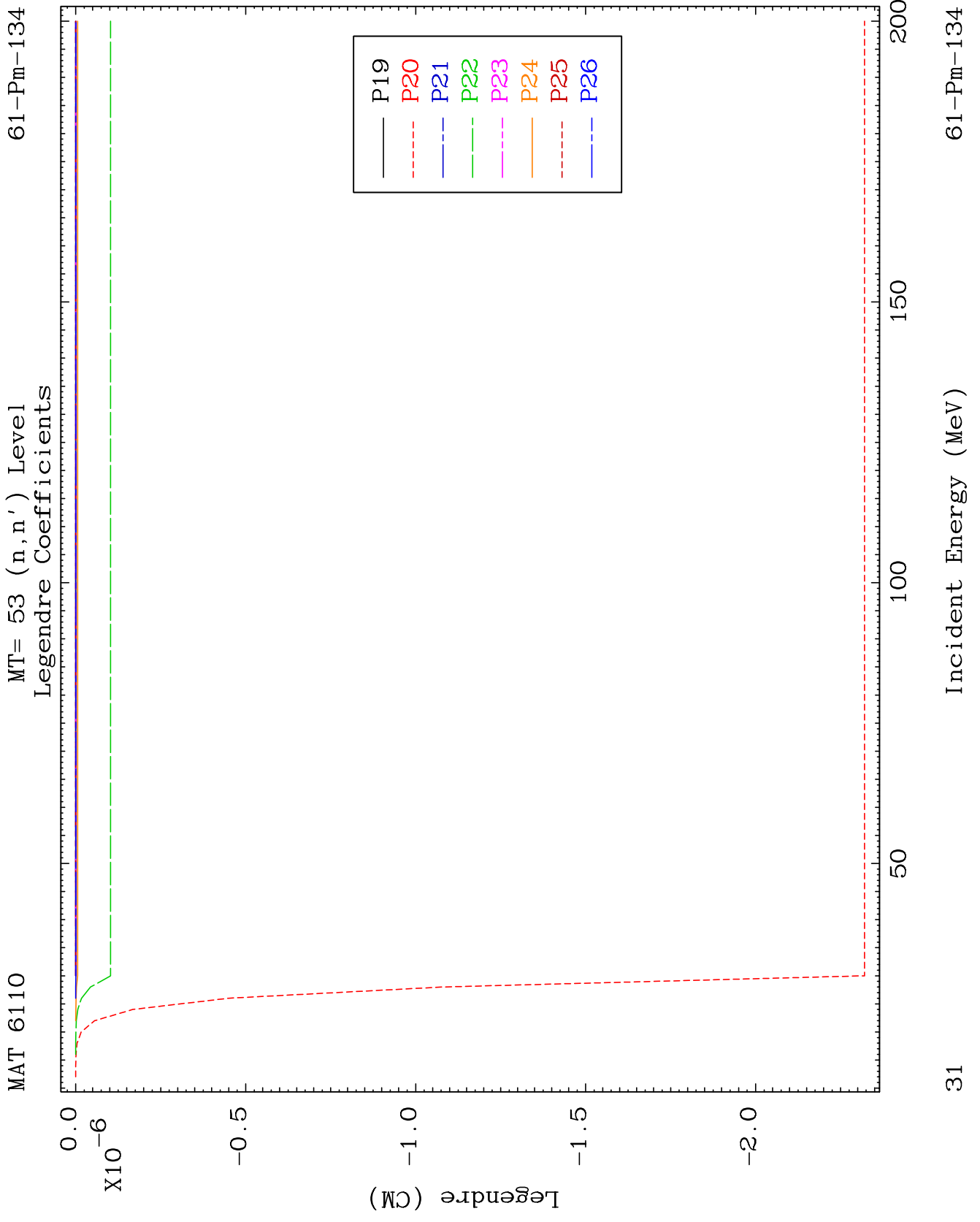
61-Pm-134



29

Incident Energy (MeV)

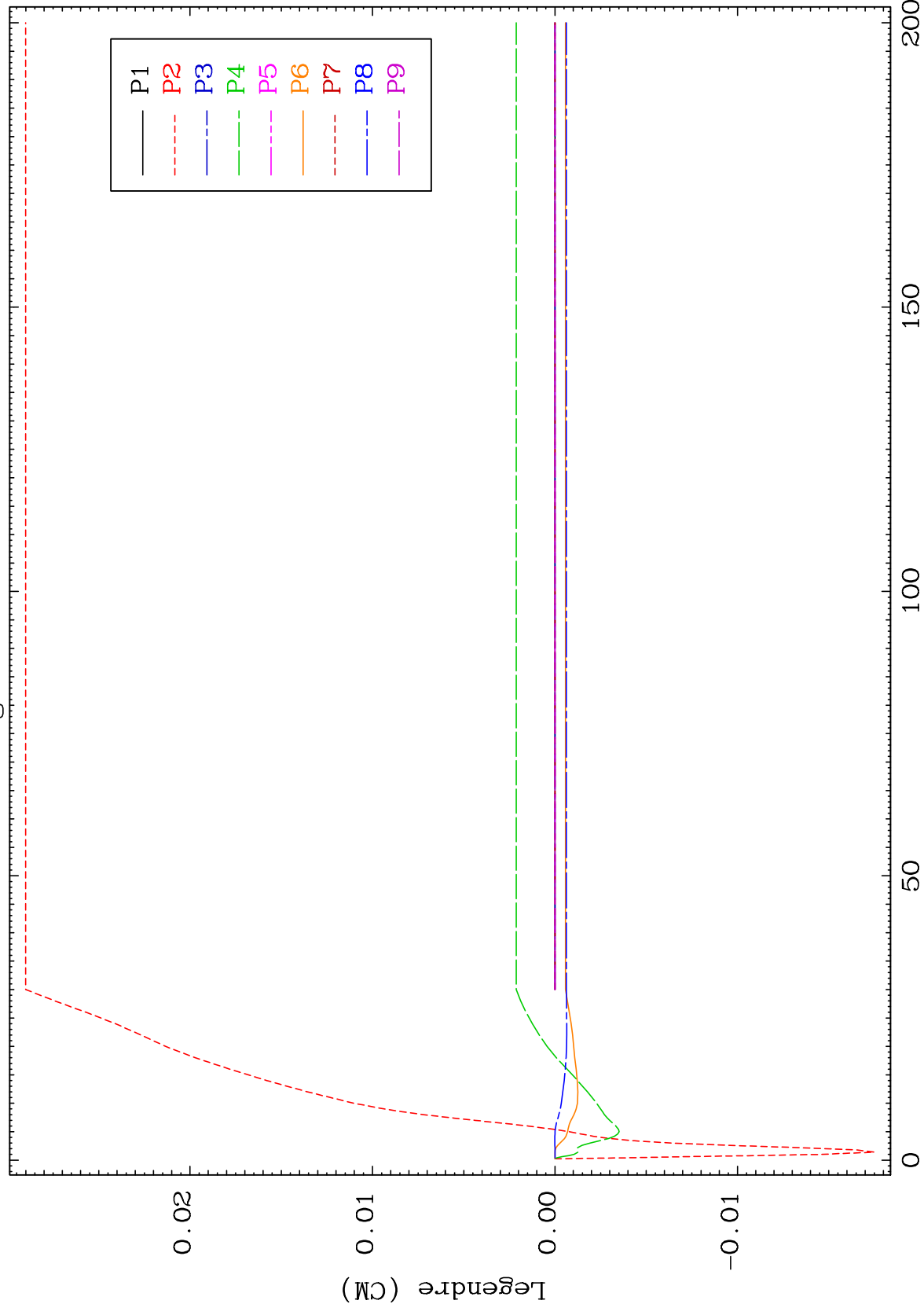
61-Pm-134



MAT 6110

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

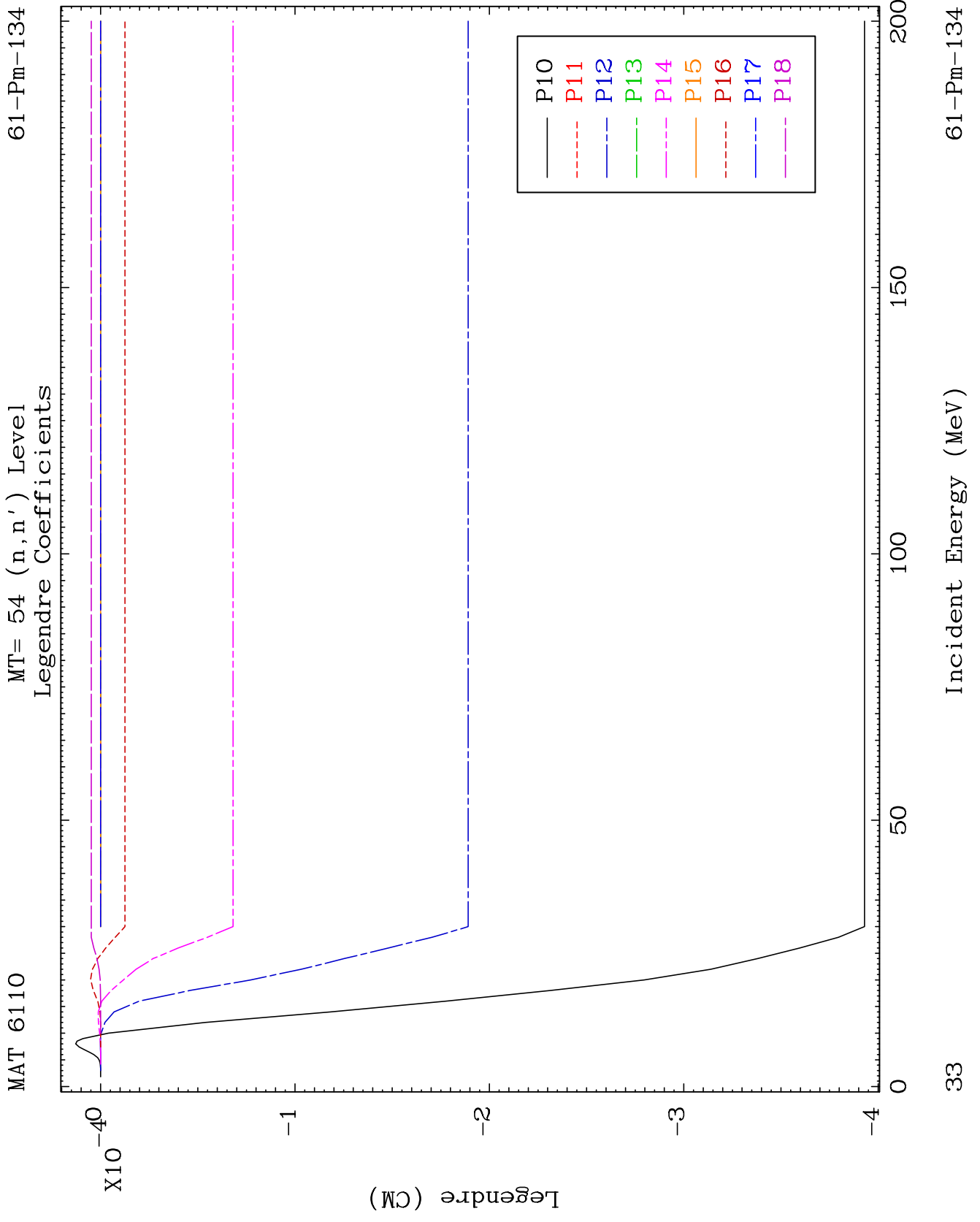
61-Pm-134

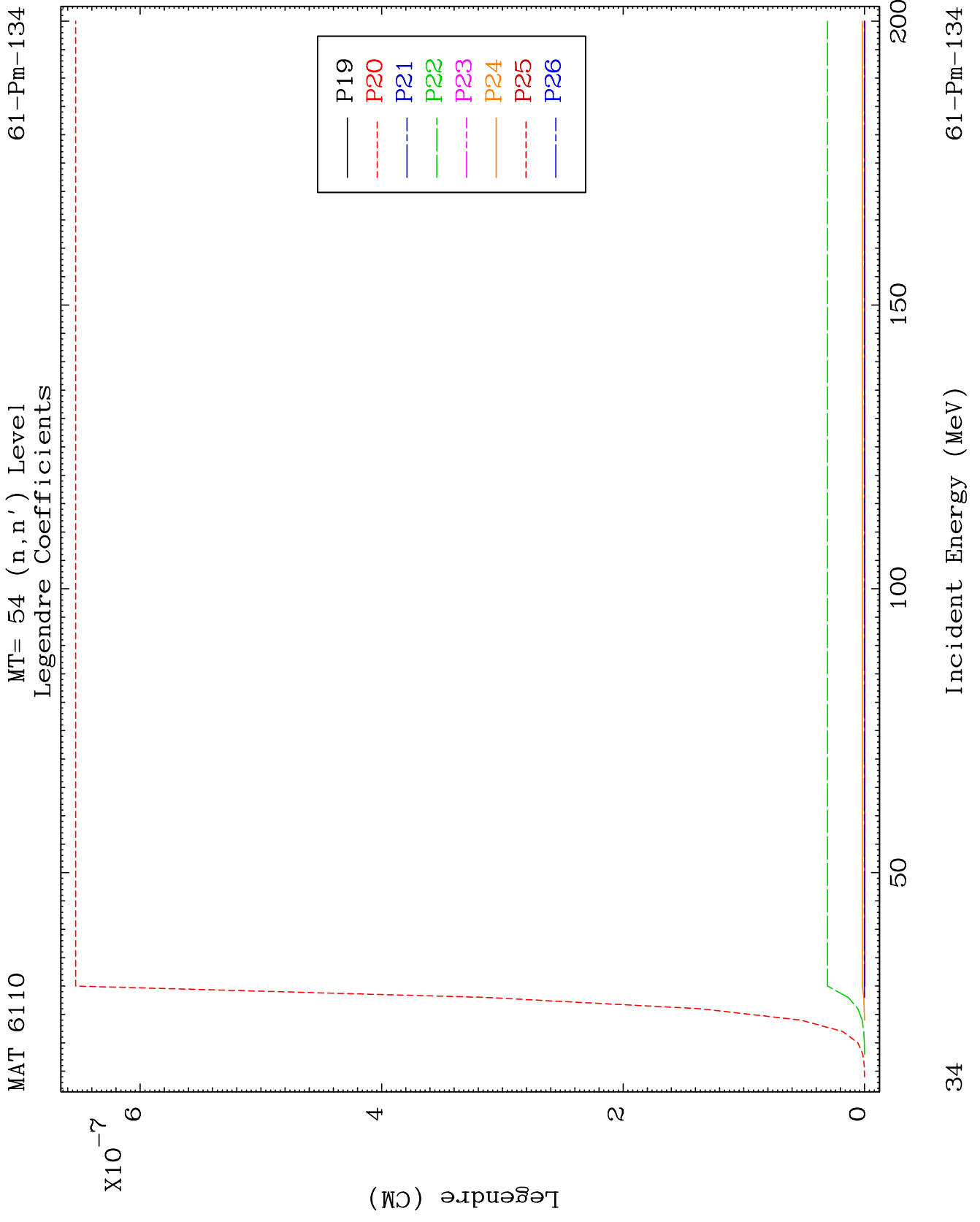


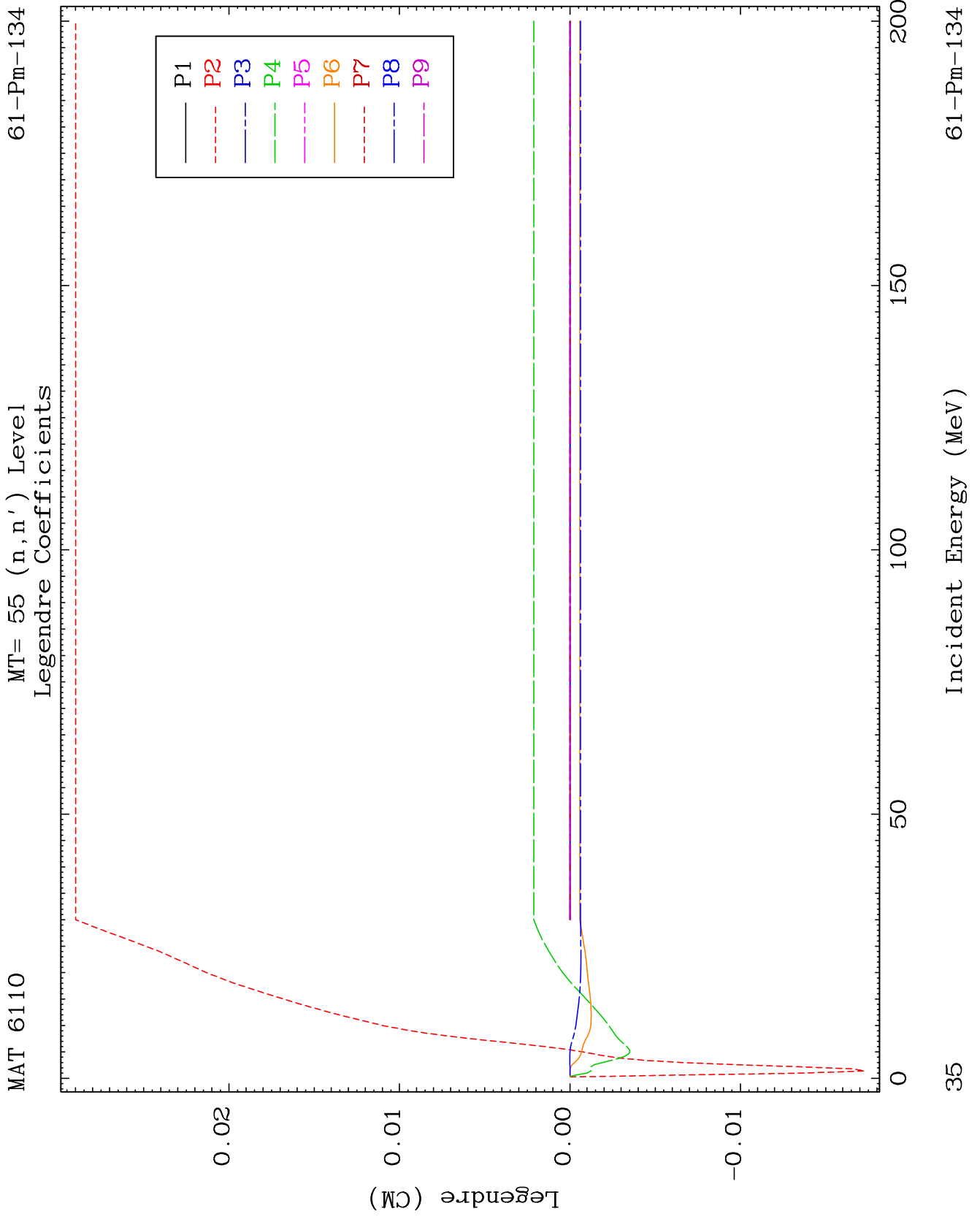
32

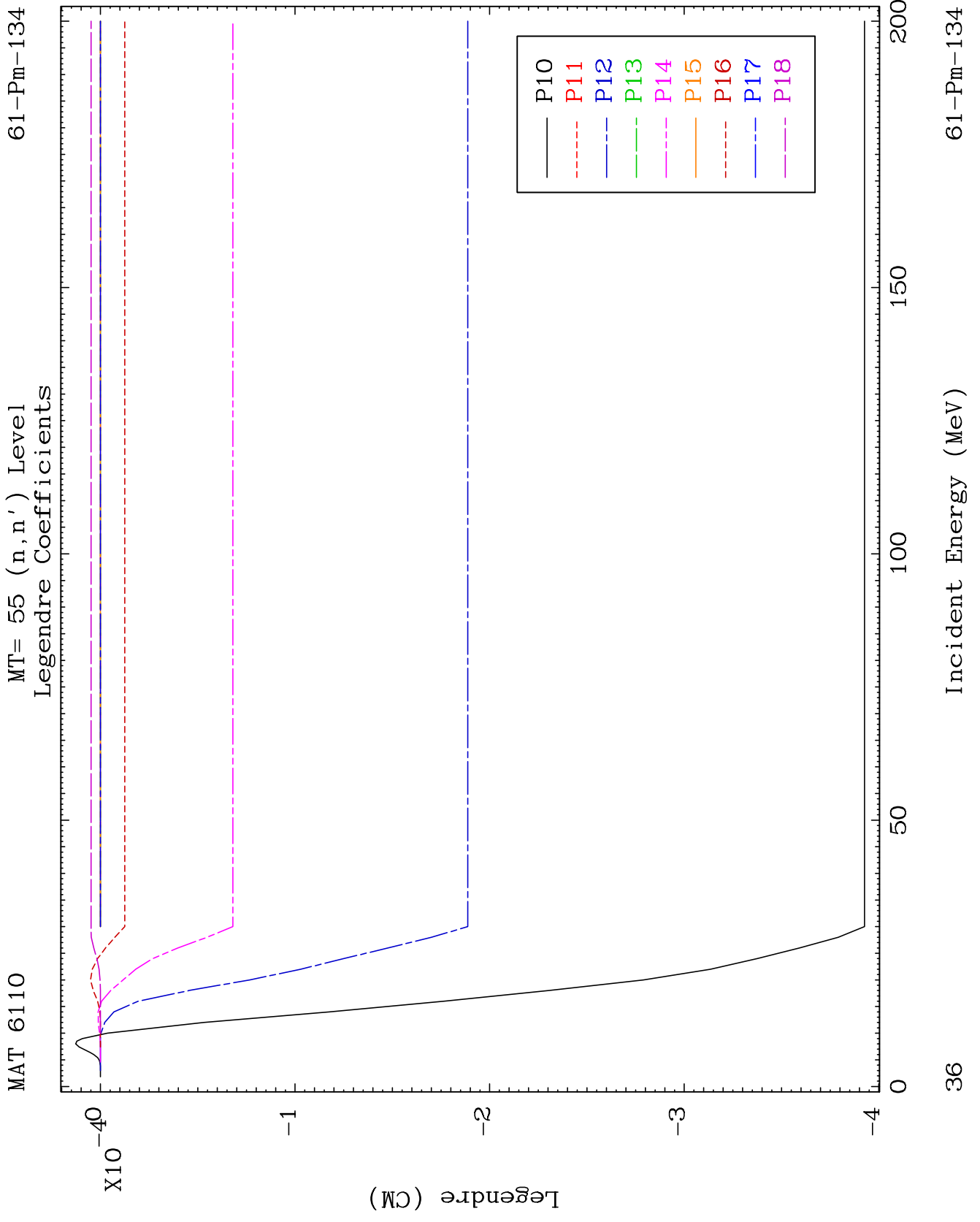
Incident Energy (MeV)

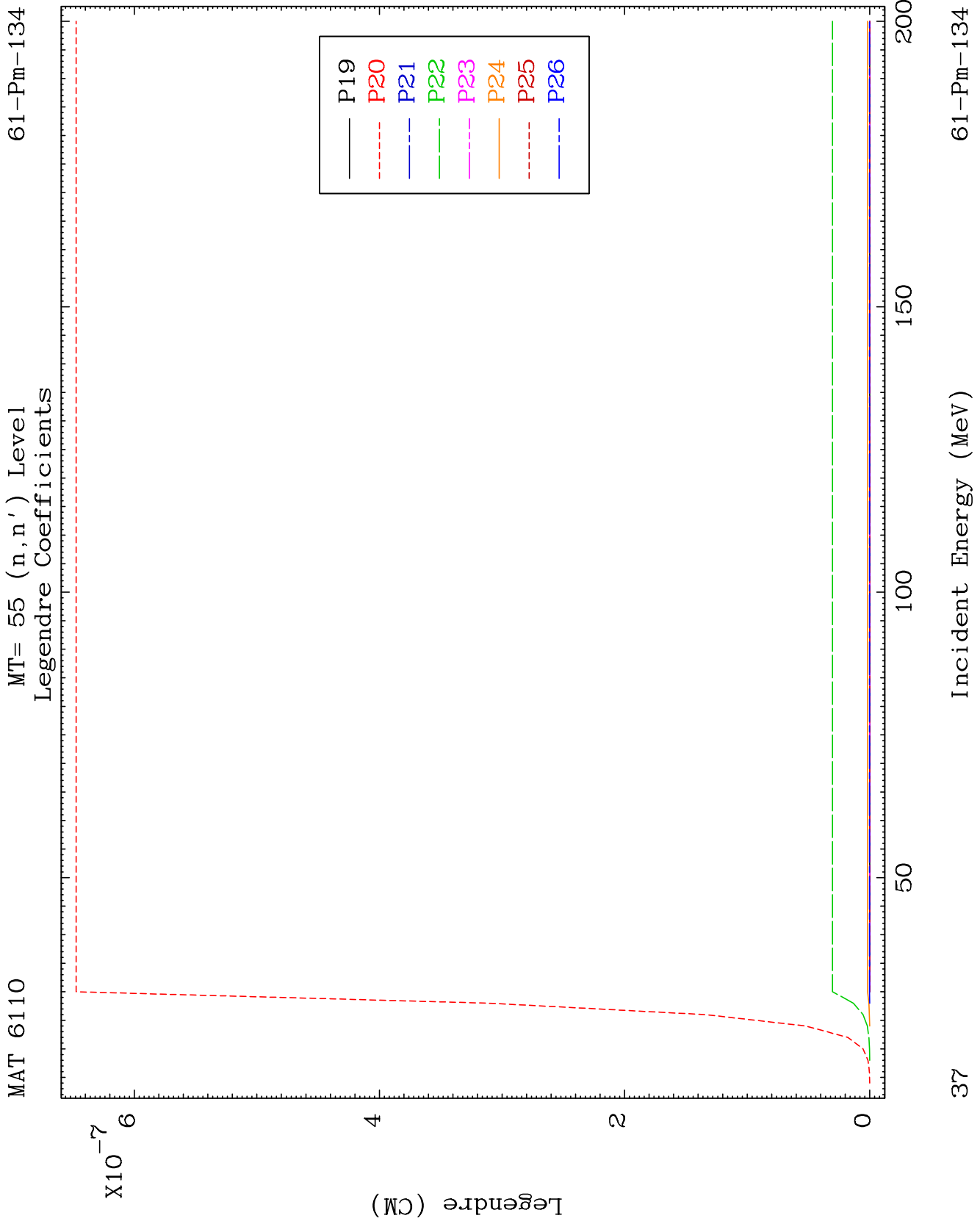
61-Pm-134







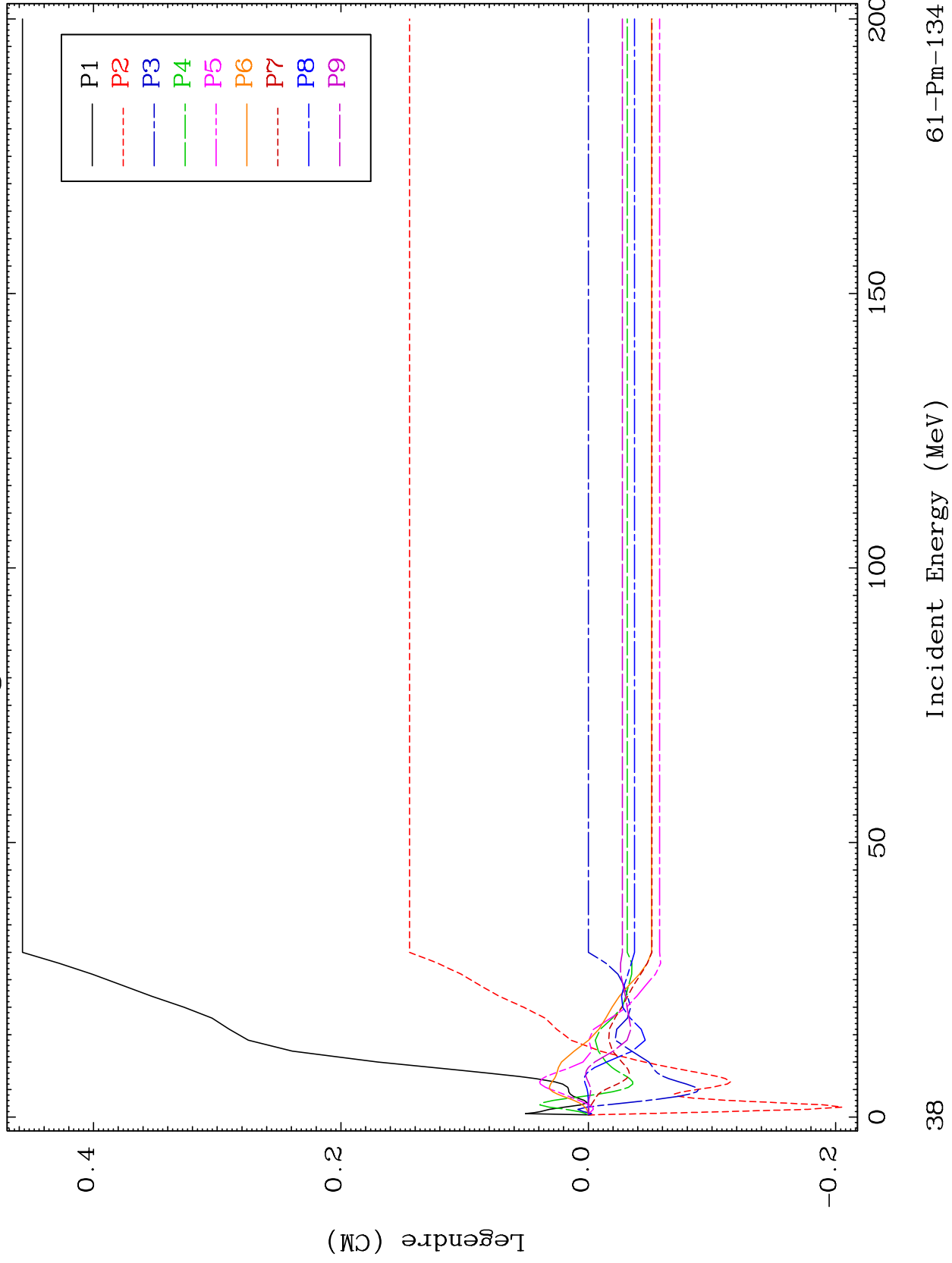




MAT 6110

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

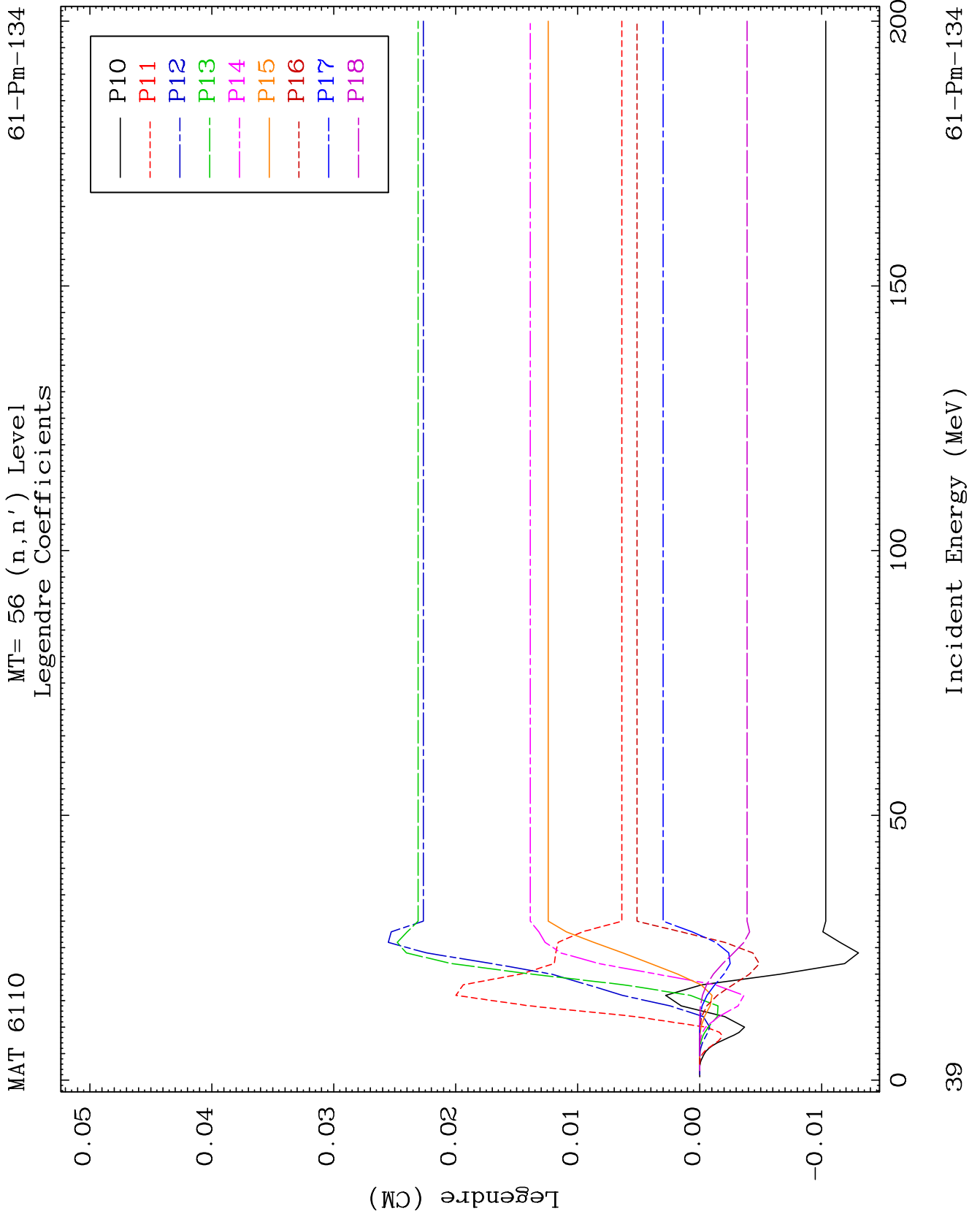
61-Pm-134



61-Pm-134

Incident Energy (MeV)

38



61-Pm-134

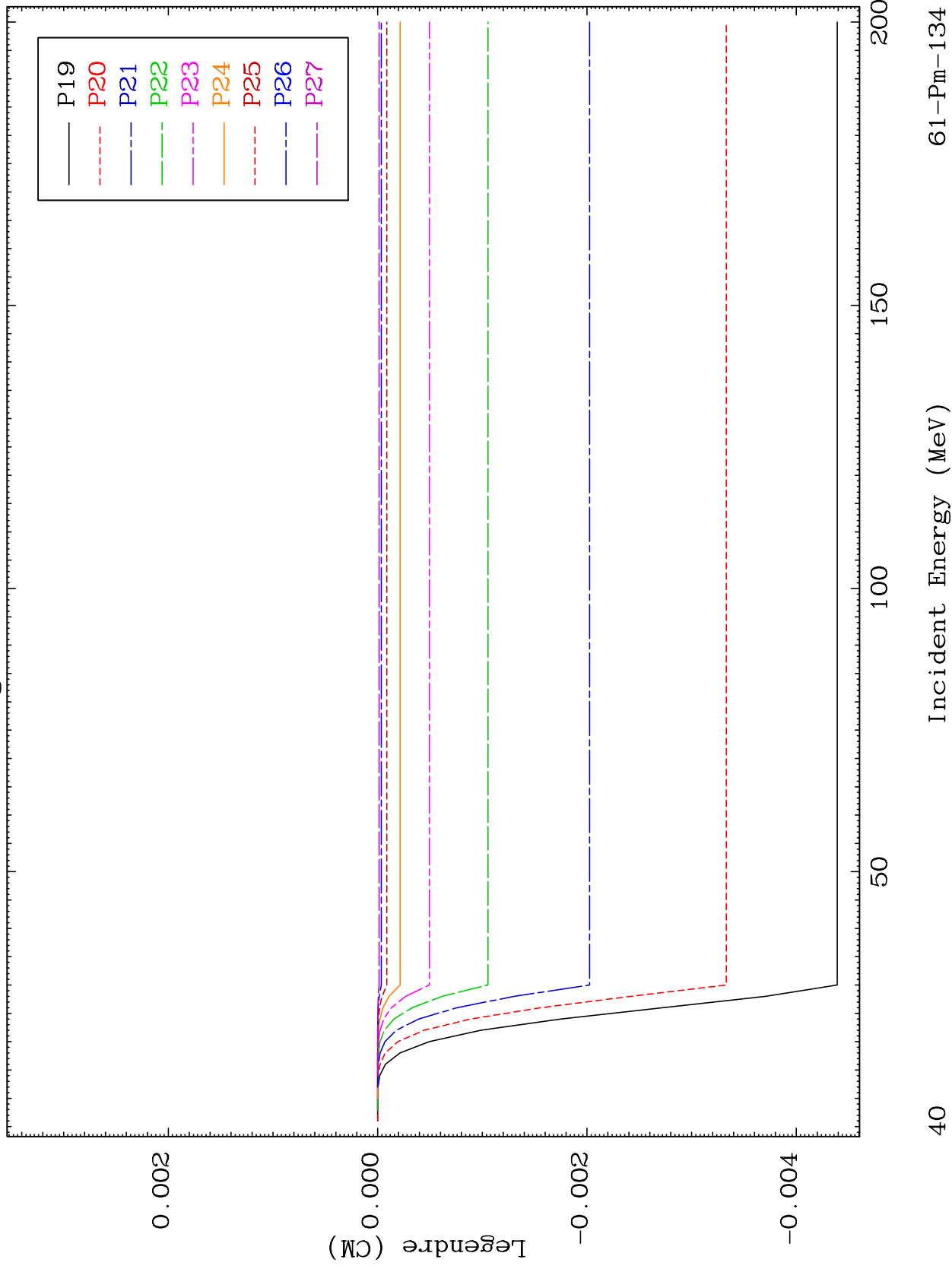
Incident Energy (MeV)

39

MAT 6110

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

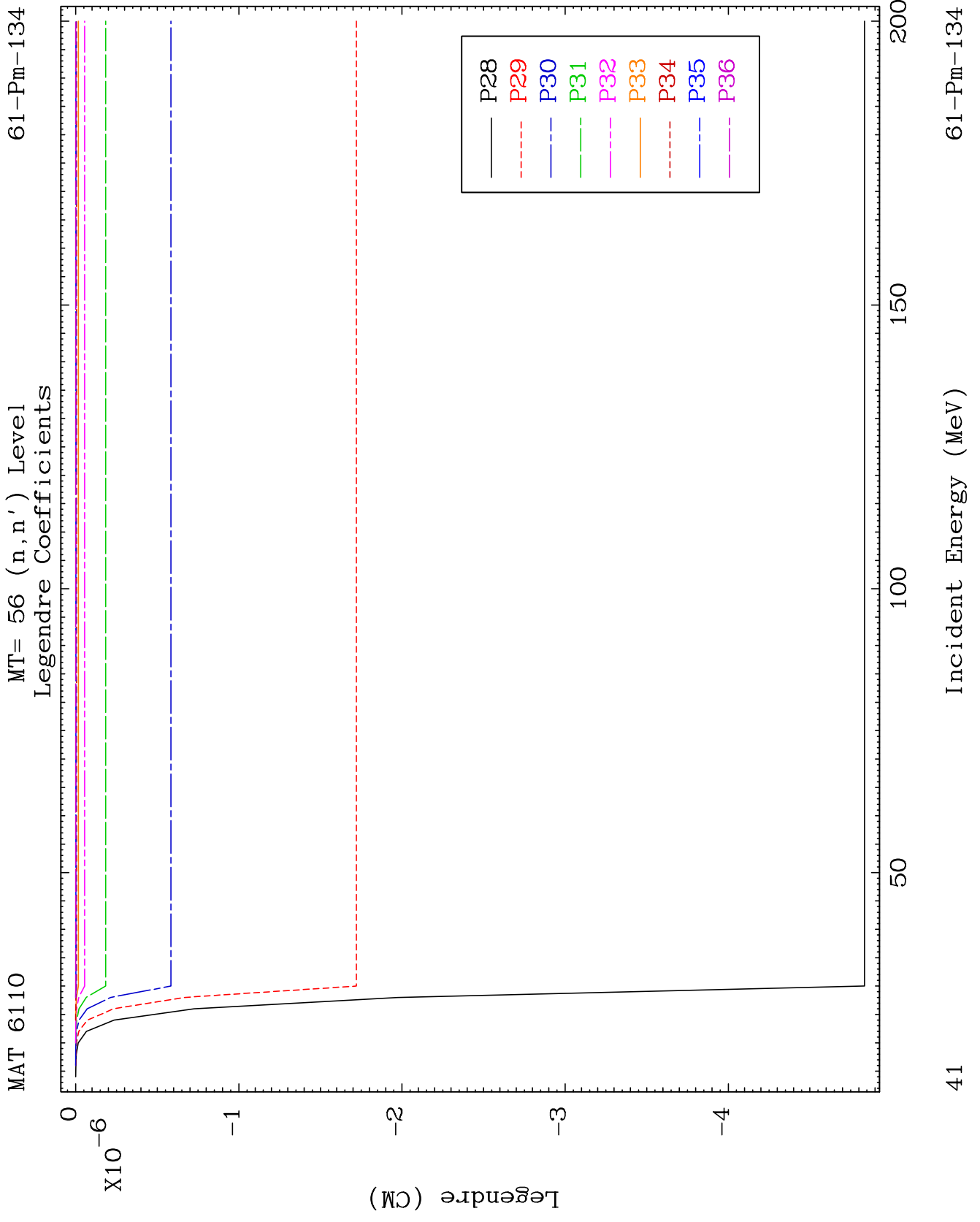
61-Pm-134



61-Pm-134

Incident Energy (MeV)

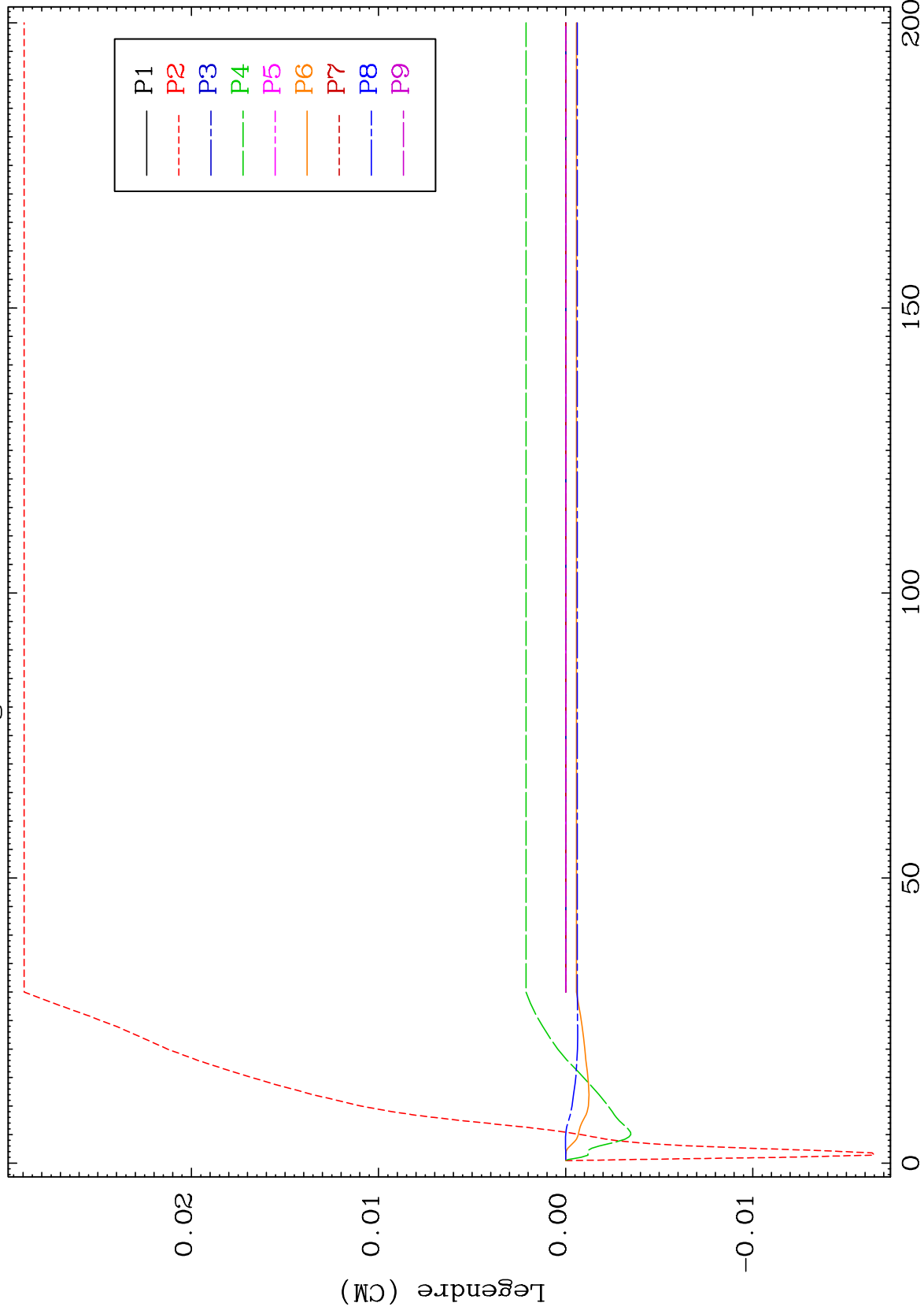
40



MAT 6110

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

61-Pm-134



42

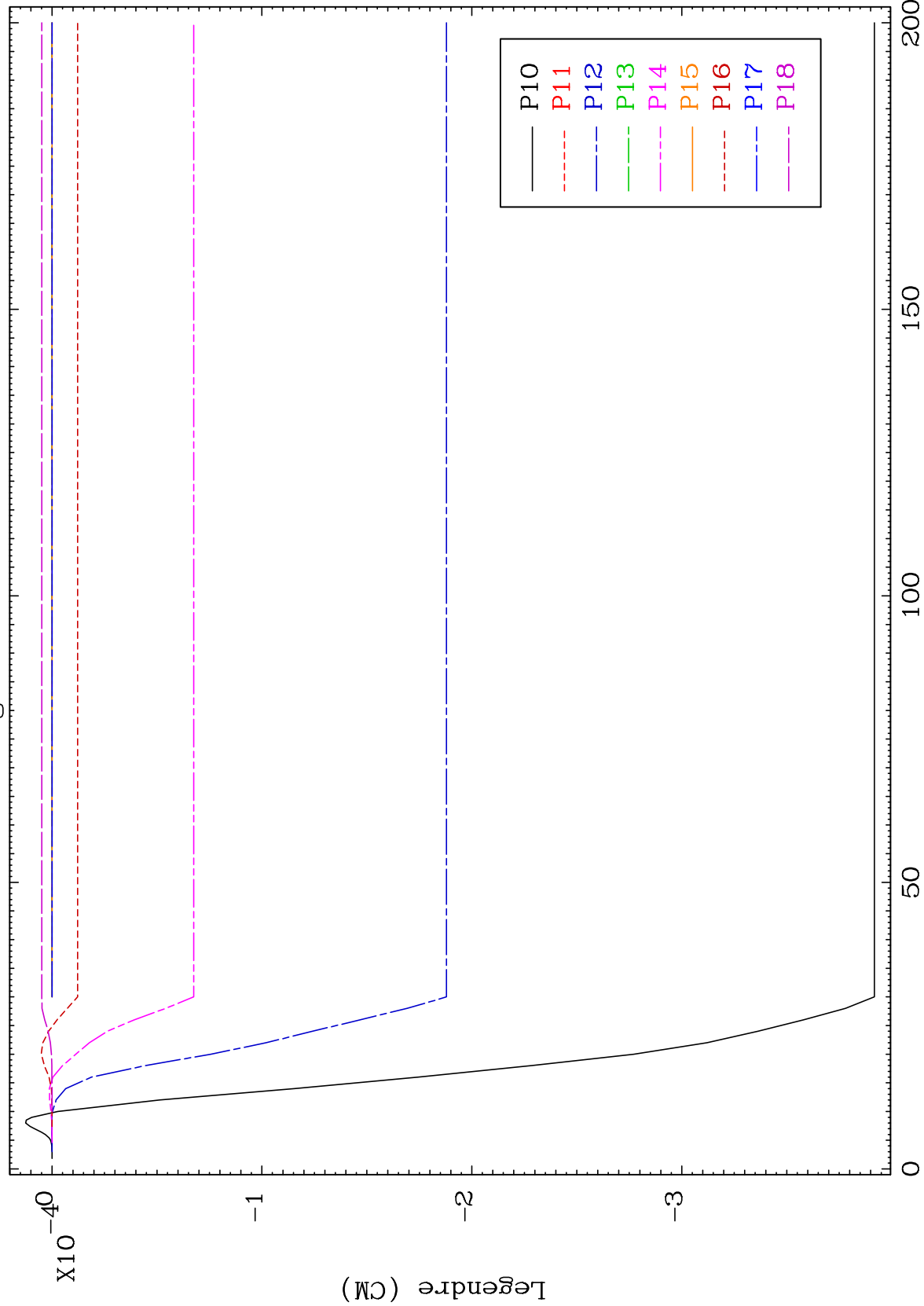
Incident Energy (MeV)

61-Pm-134

MAT 6110

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

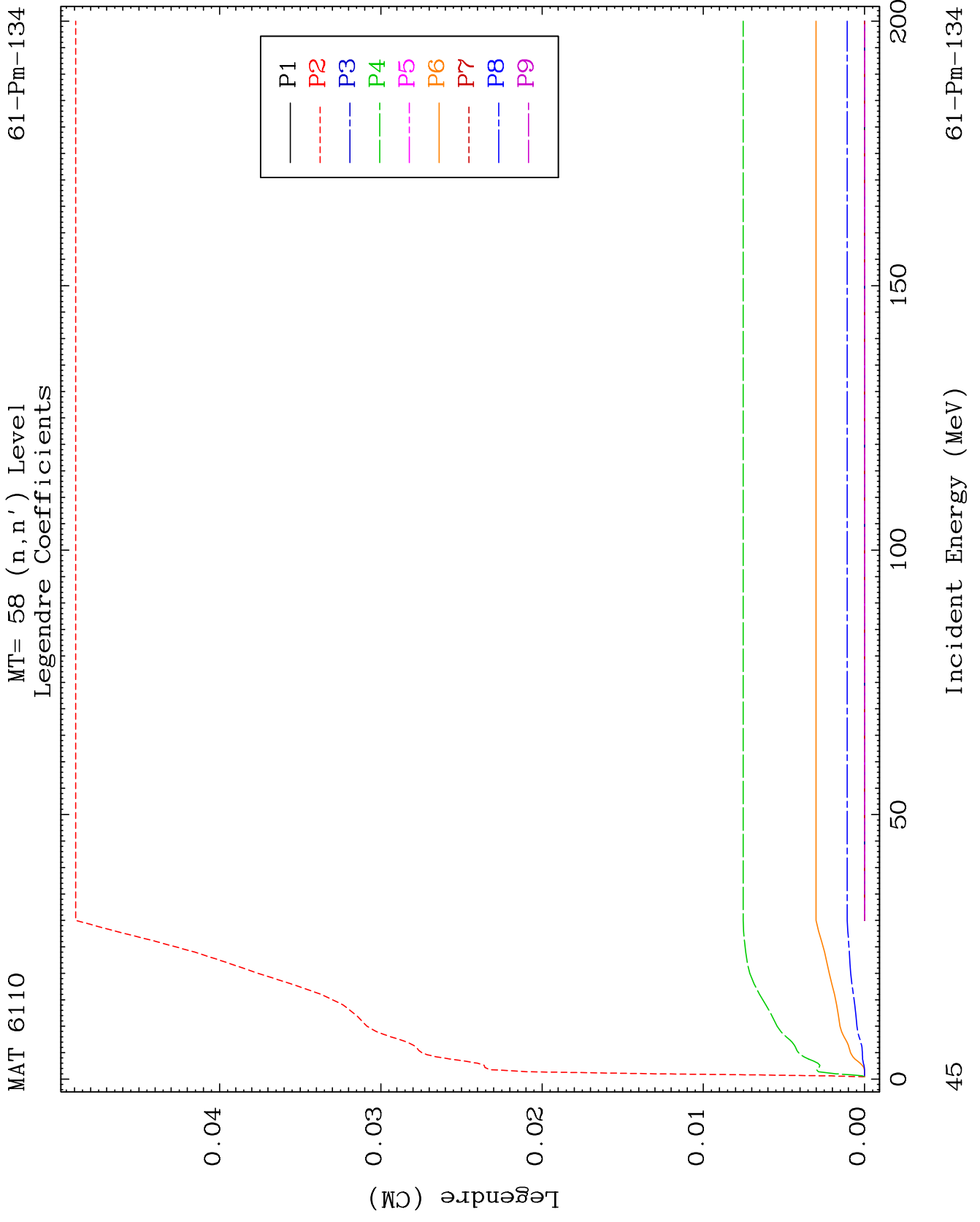
61-Pm-134



43

Incident Energy (MeV)

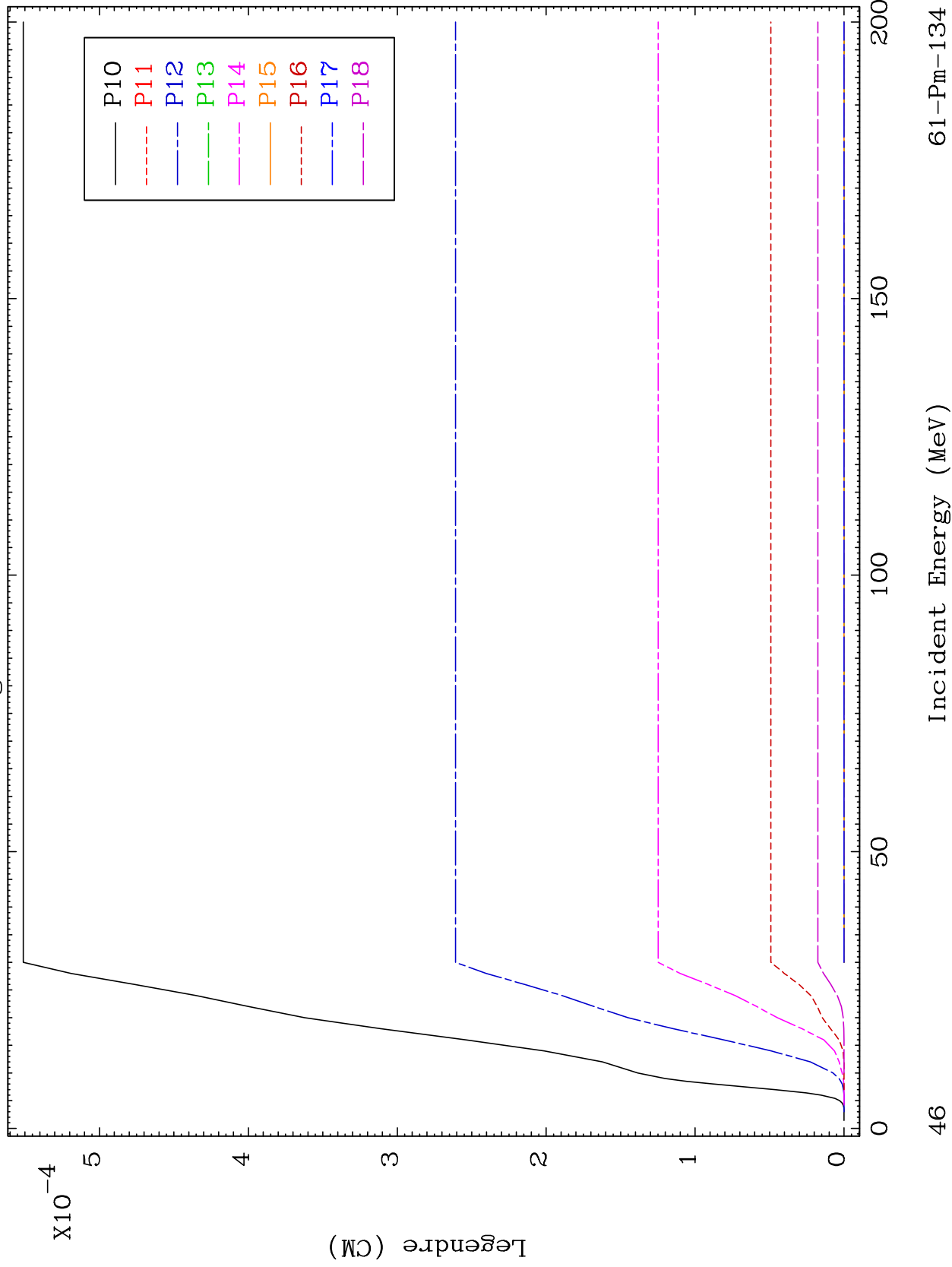
61-Pm-134



MAT 6110

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

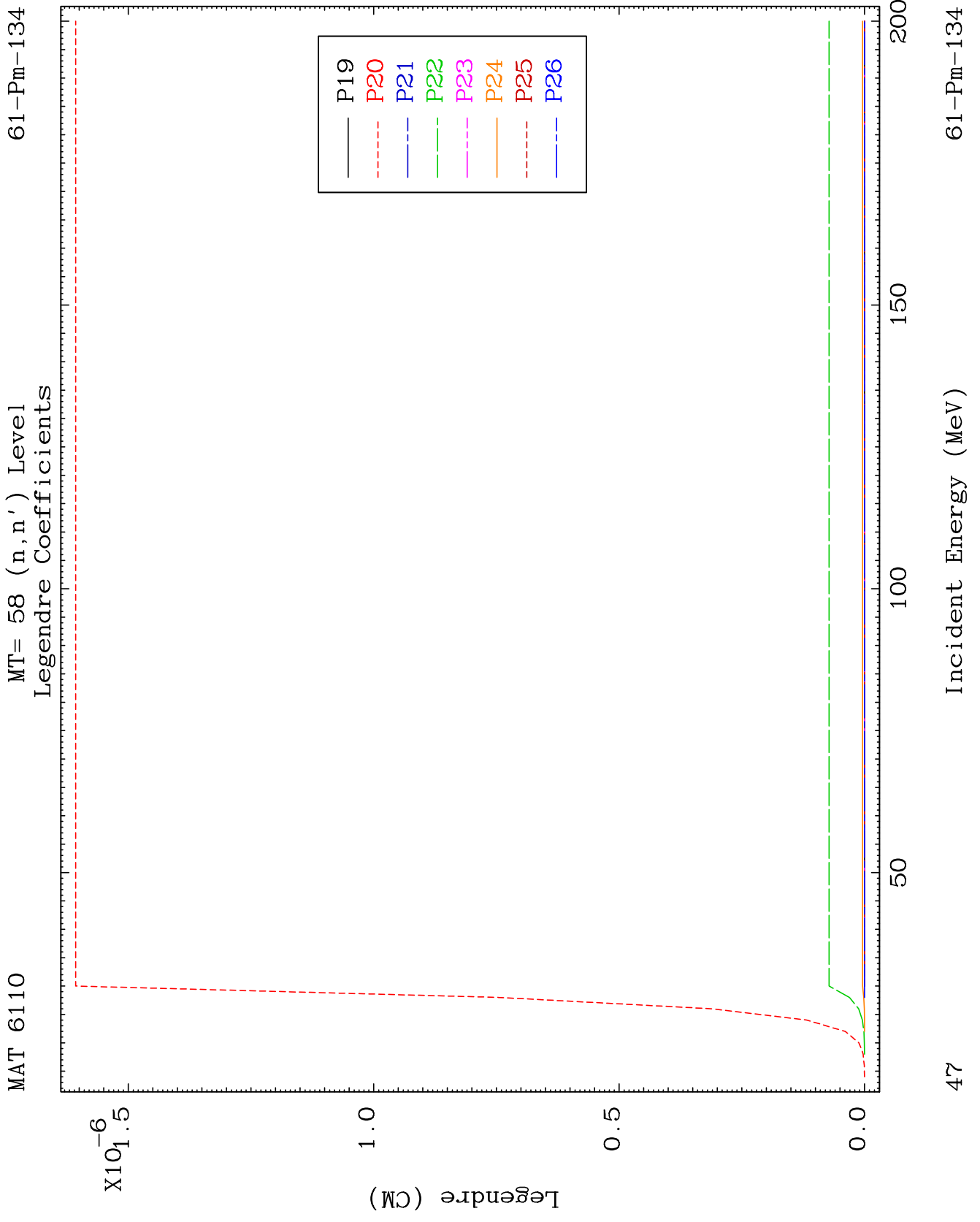
61-Pm-134

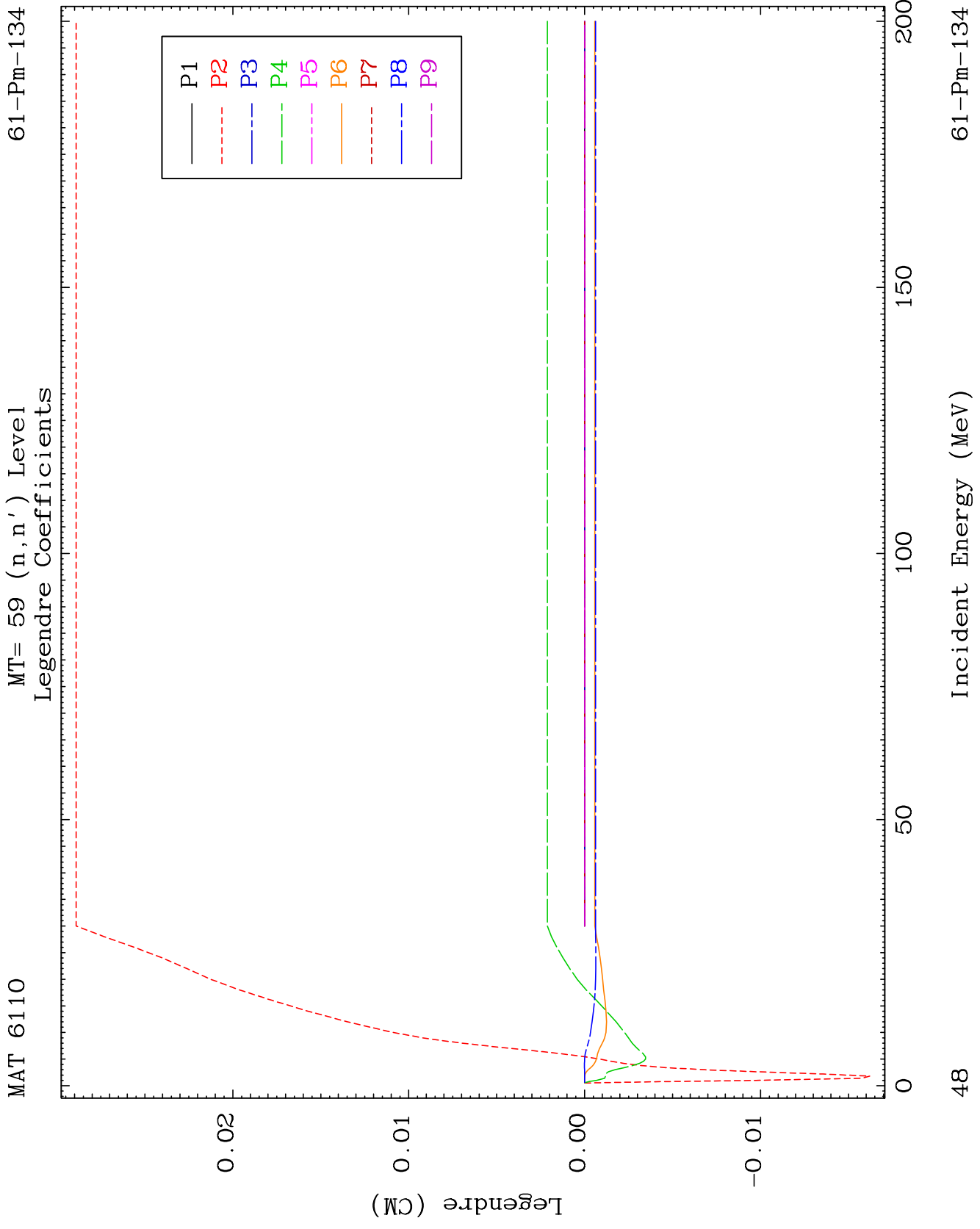


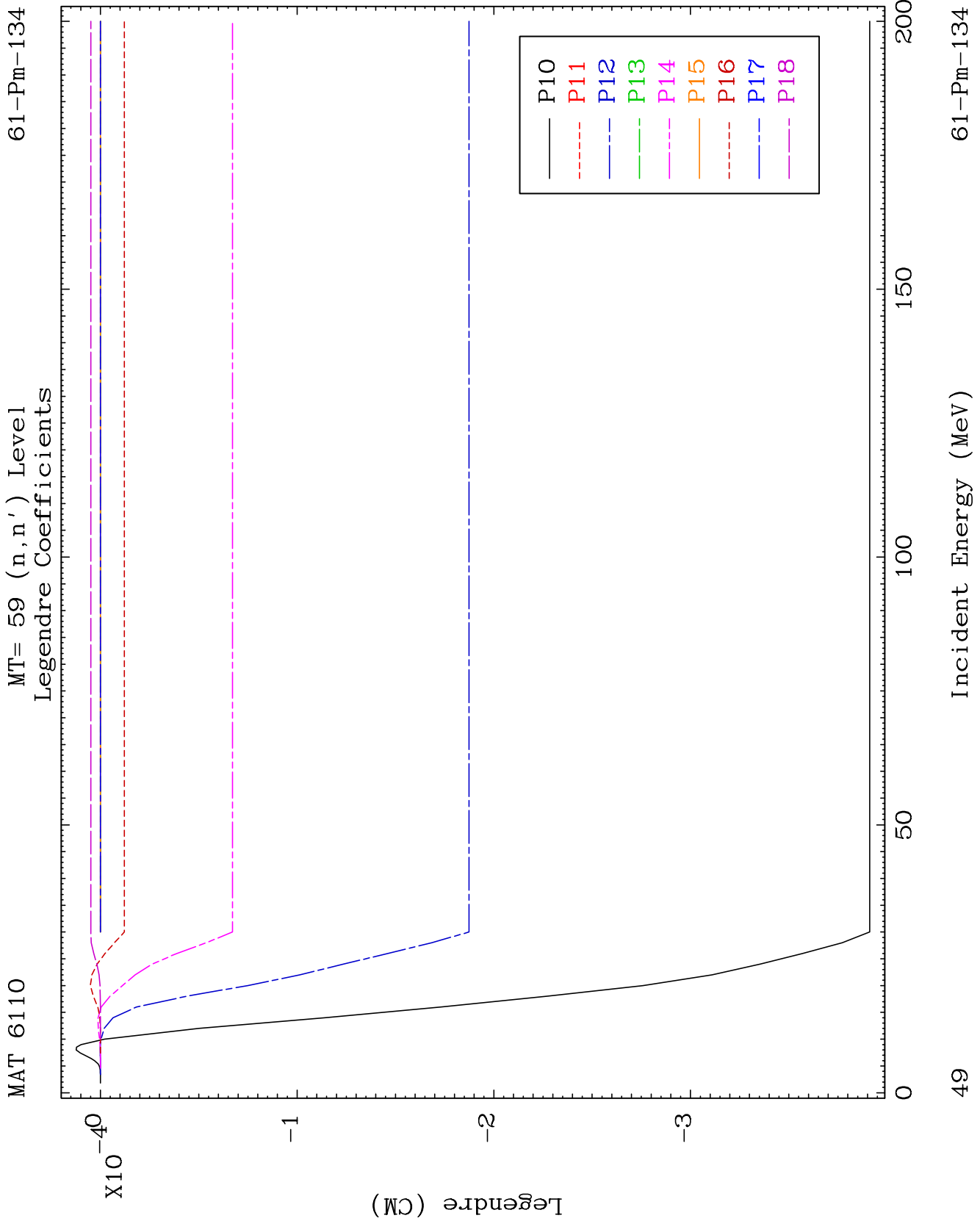
61-Pm-134

Incident Energy (MeV)

46



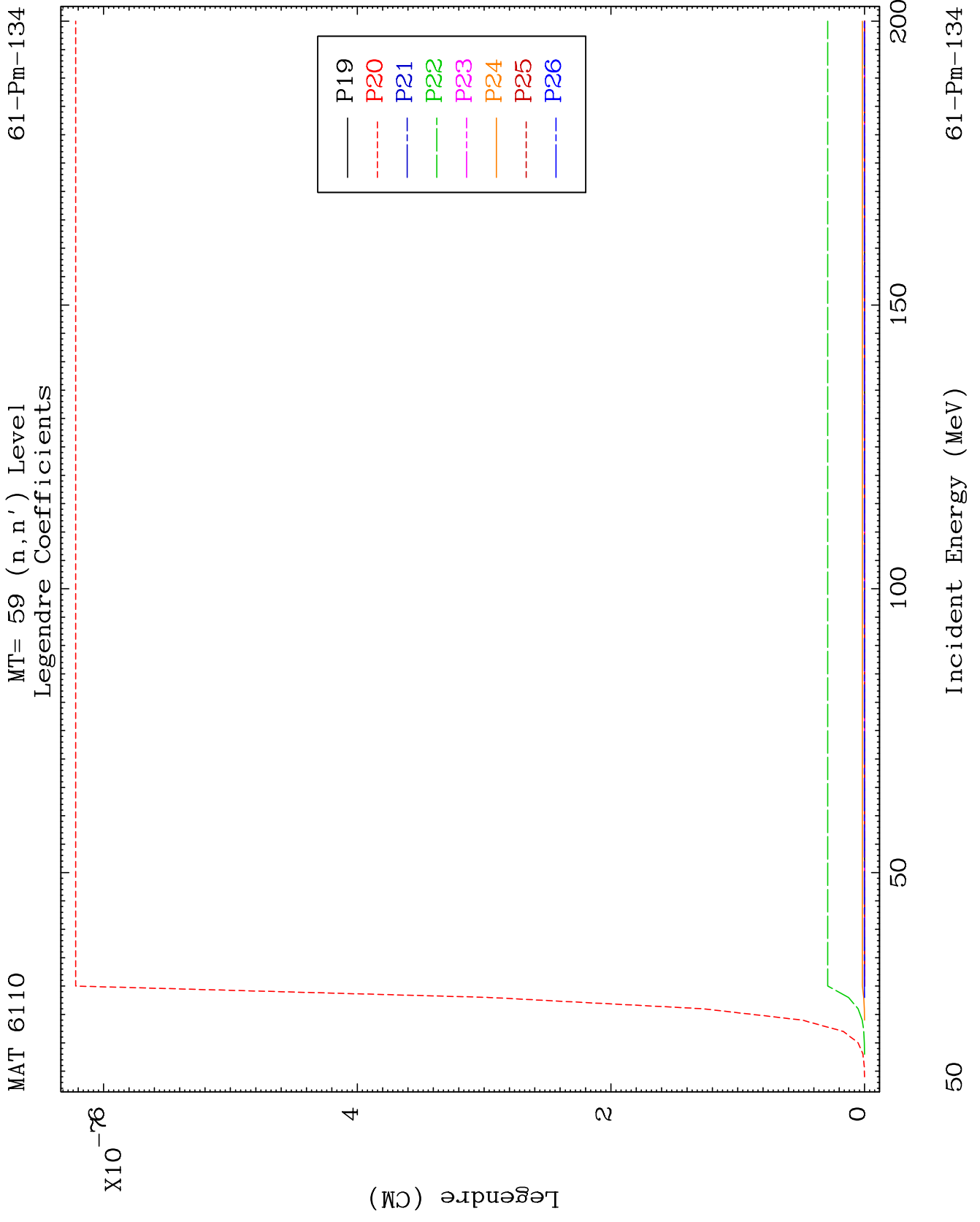


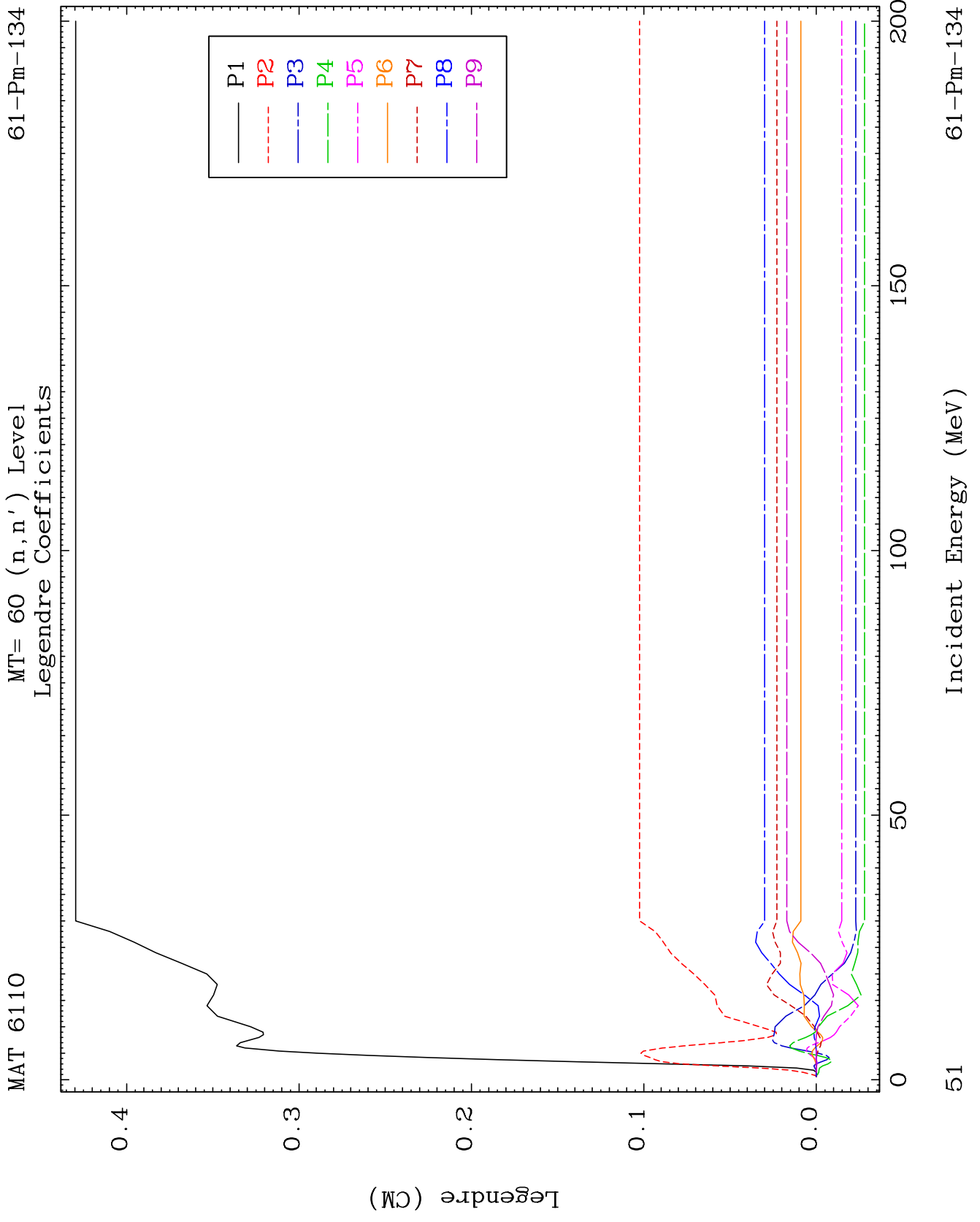


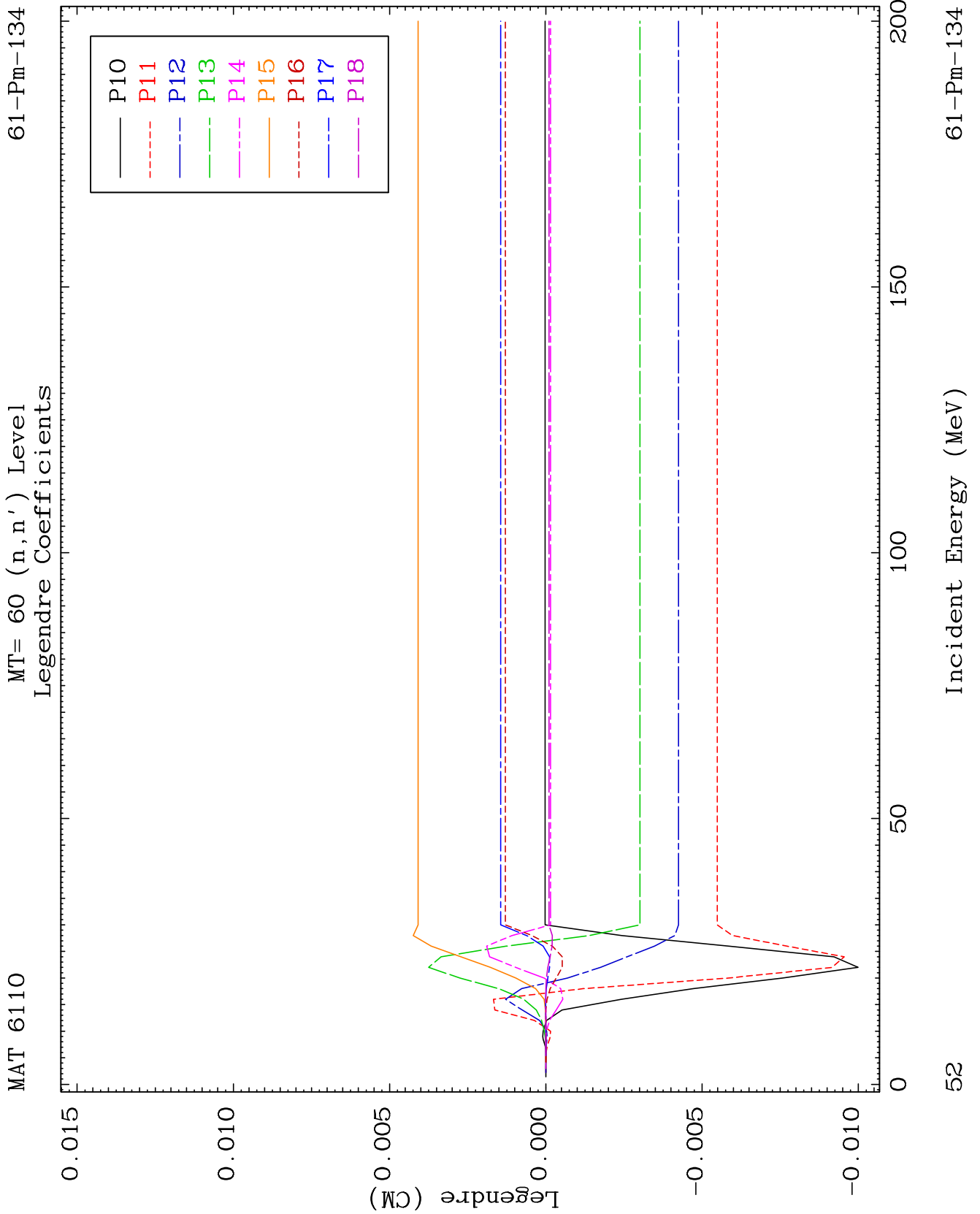
61-Pm-134

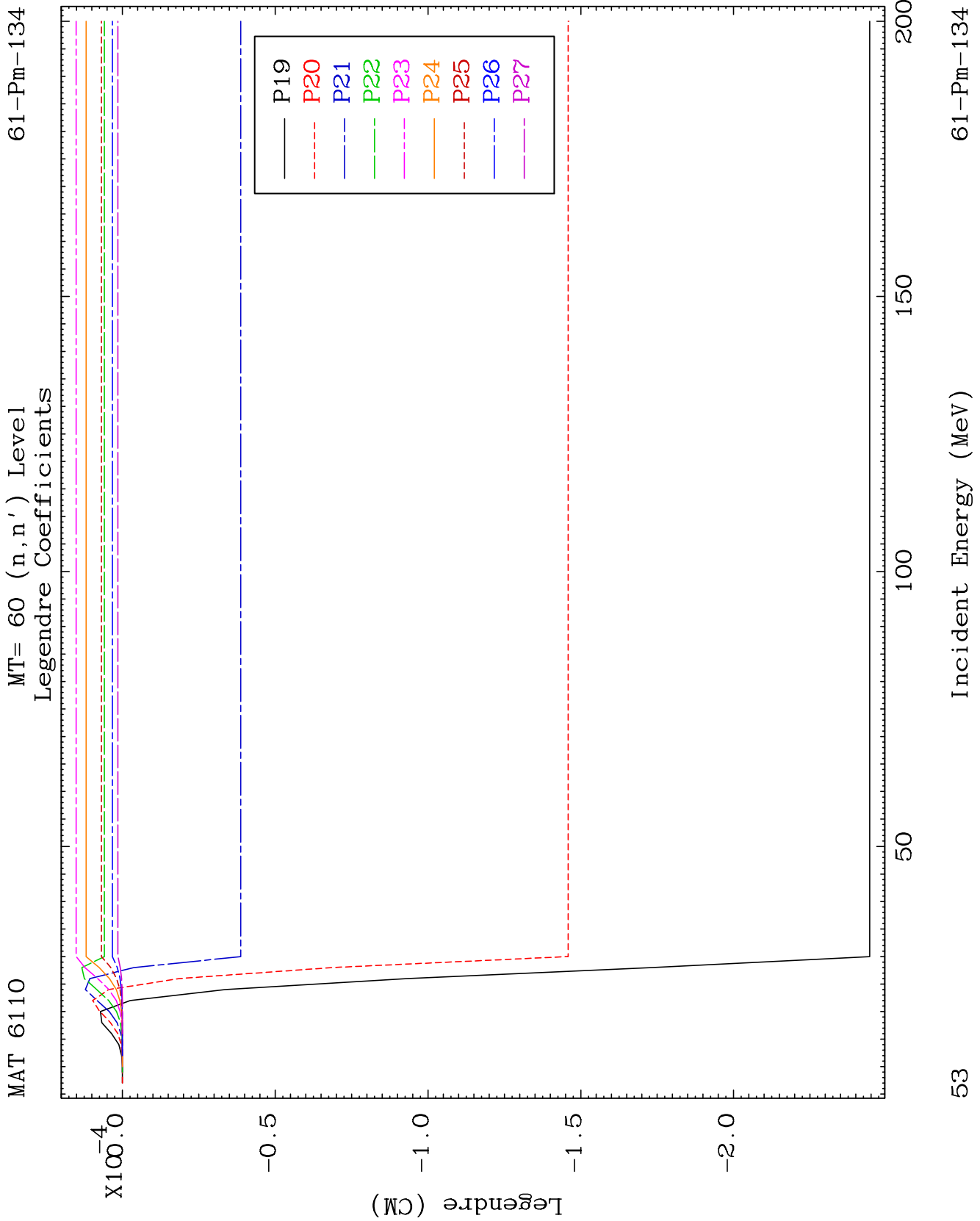
Incident Energy (MeV)

49





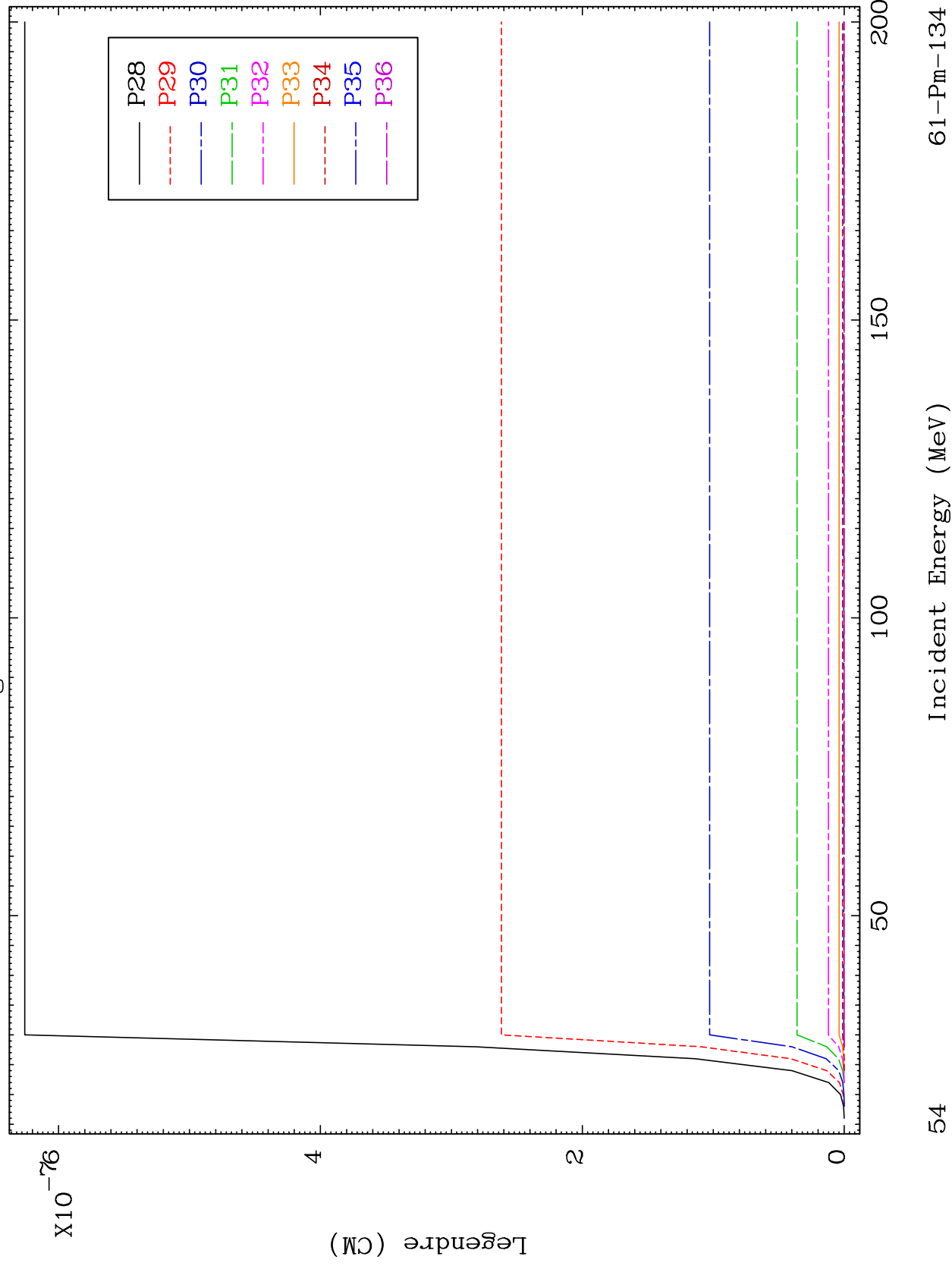




MAT 6110

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

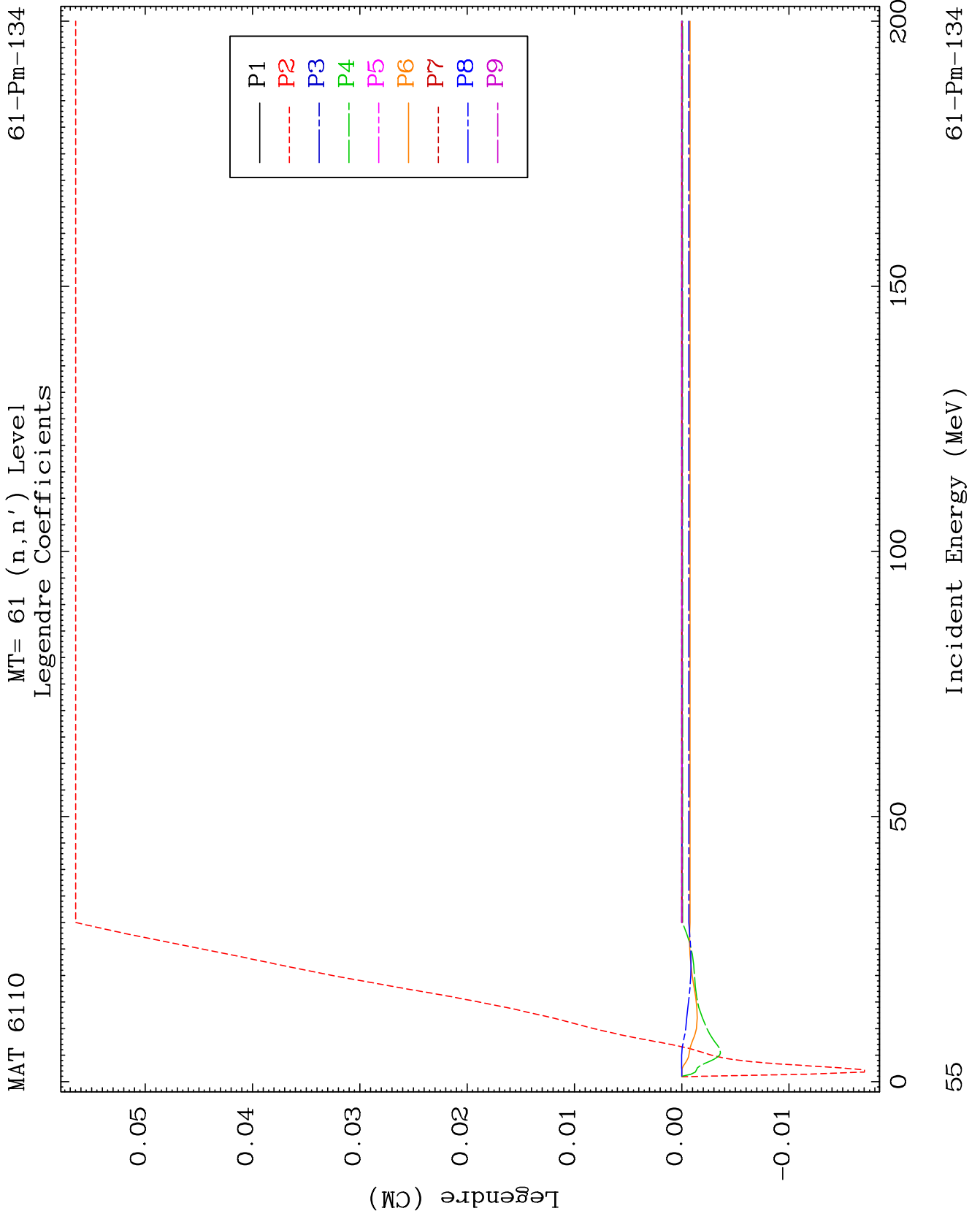
61-Pm-134

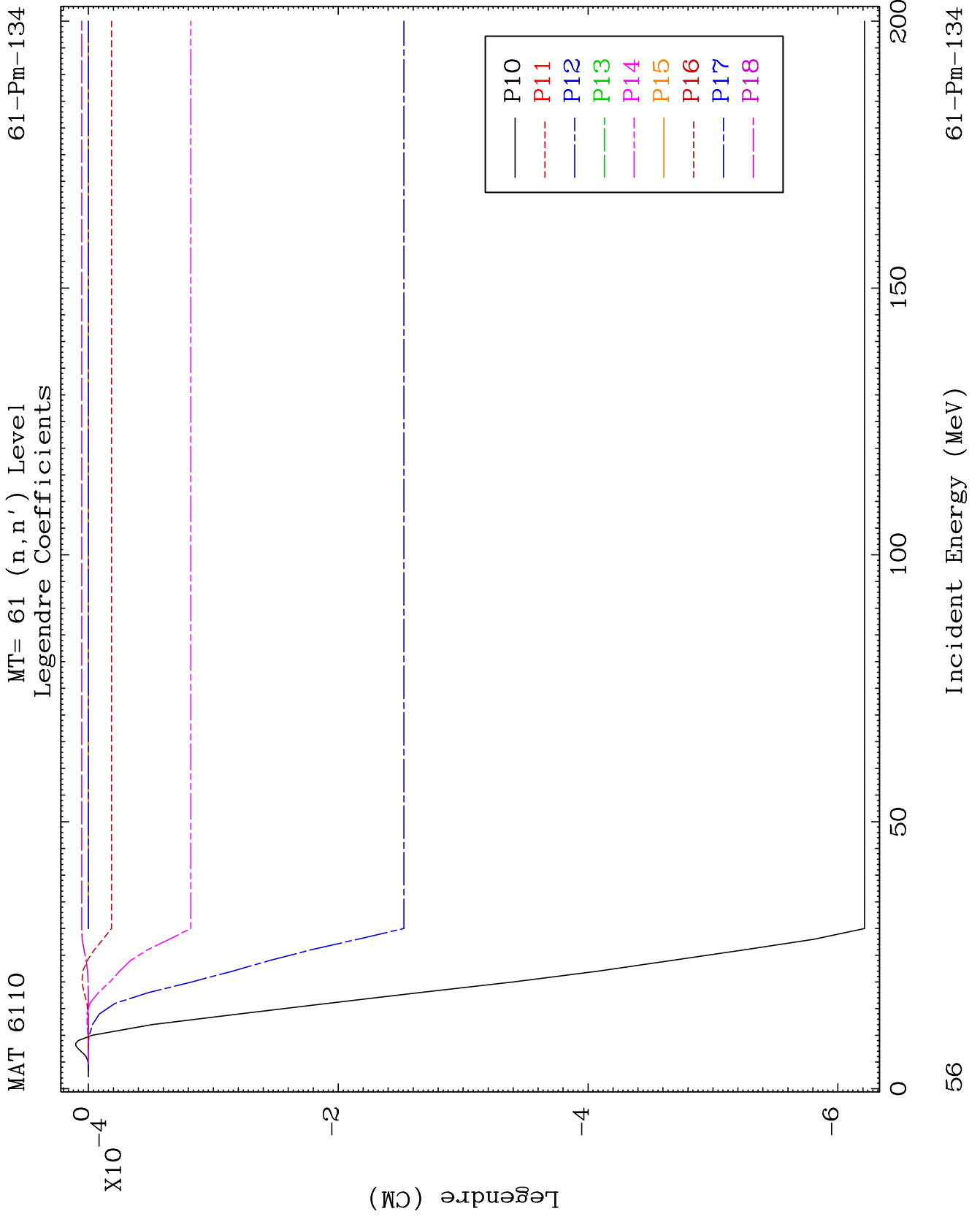


54

Incident Energy (MeV)

61-Pm-134

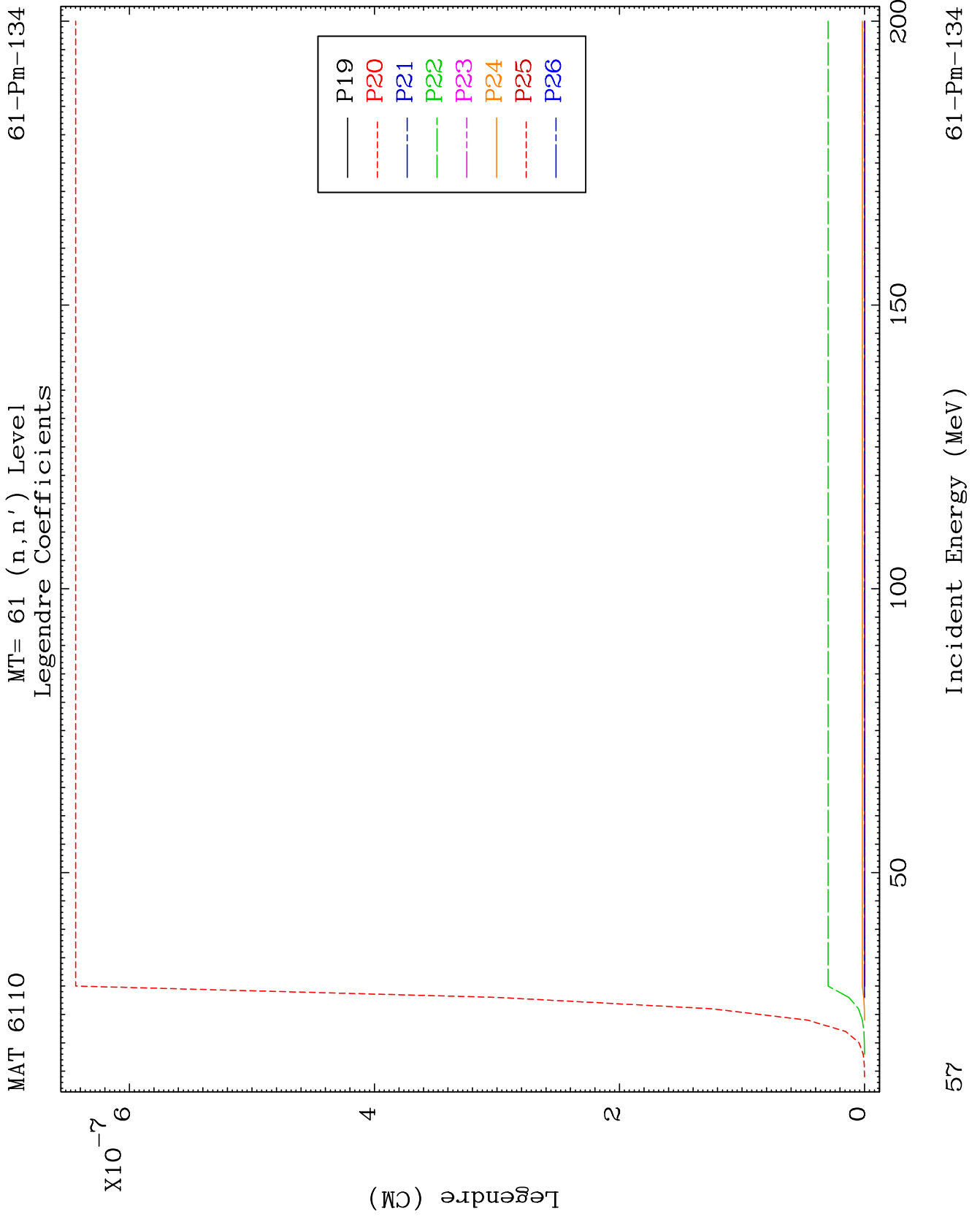




61-Pm-134

Incident Energy (MeV)

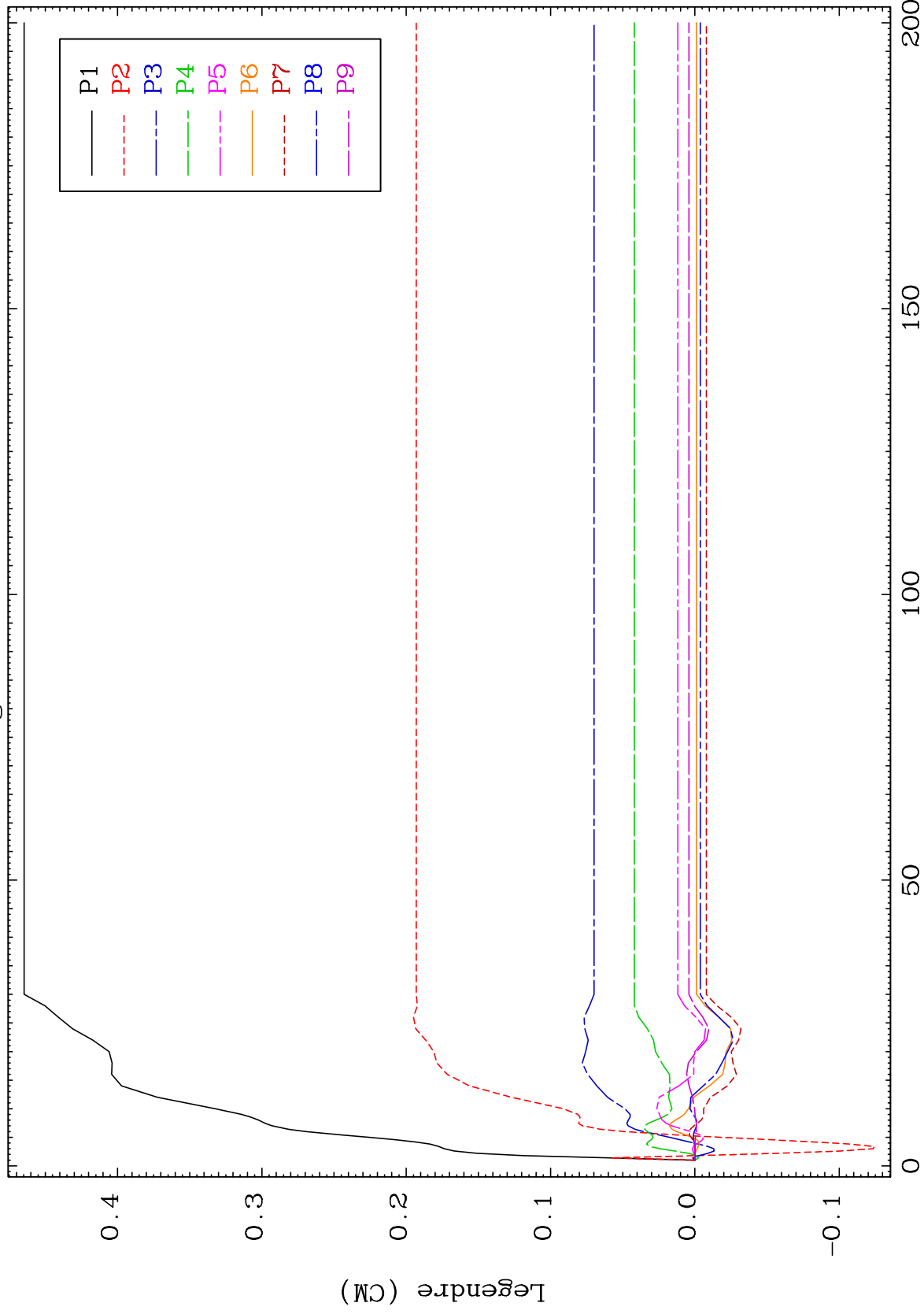
56



MAT 6110

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

61-Pm-134



58

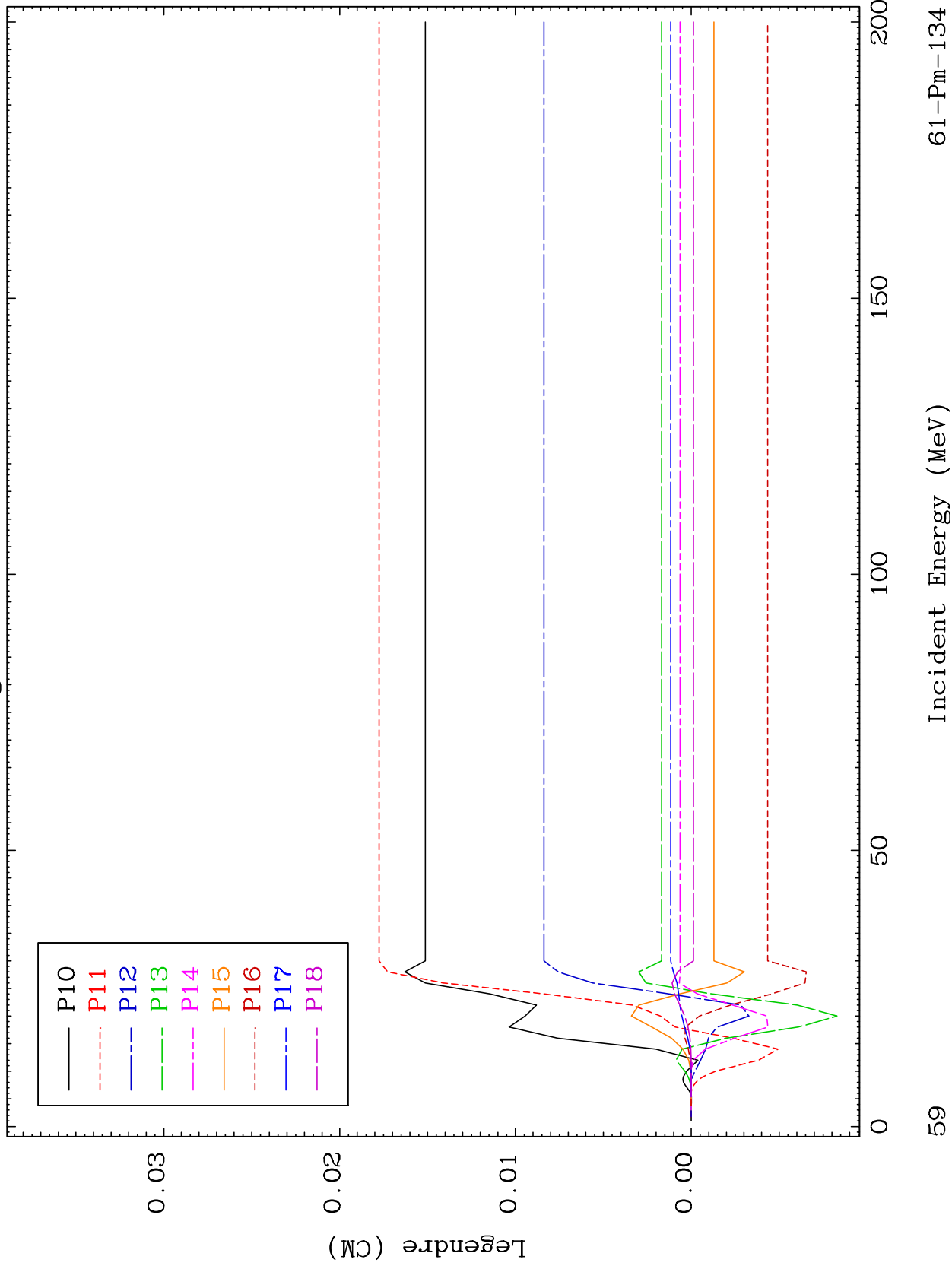
Incident Energy (MeV)

61-Pm-134

MAT 6110

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

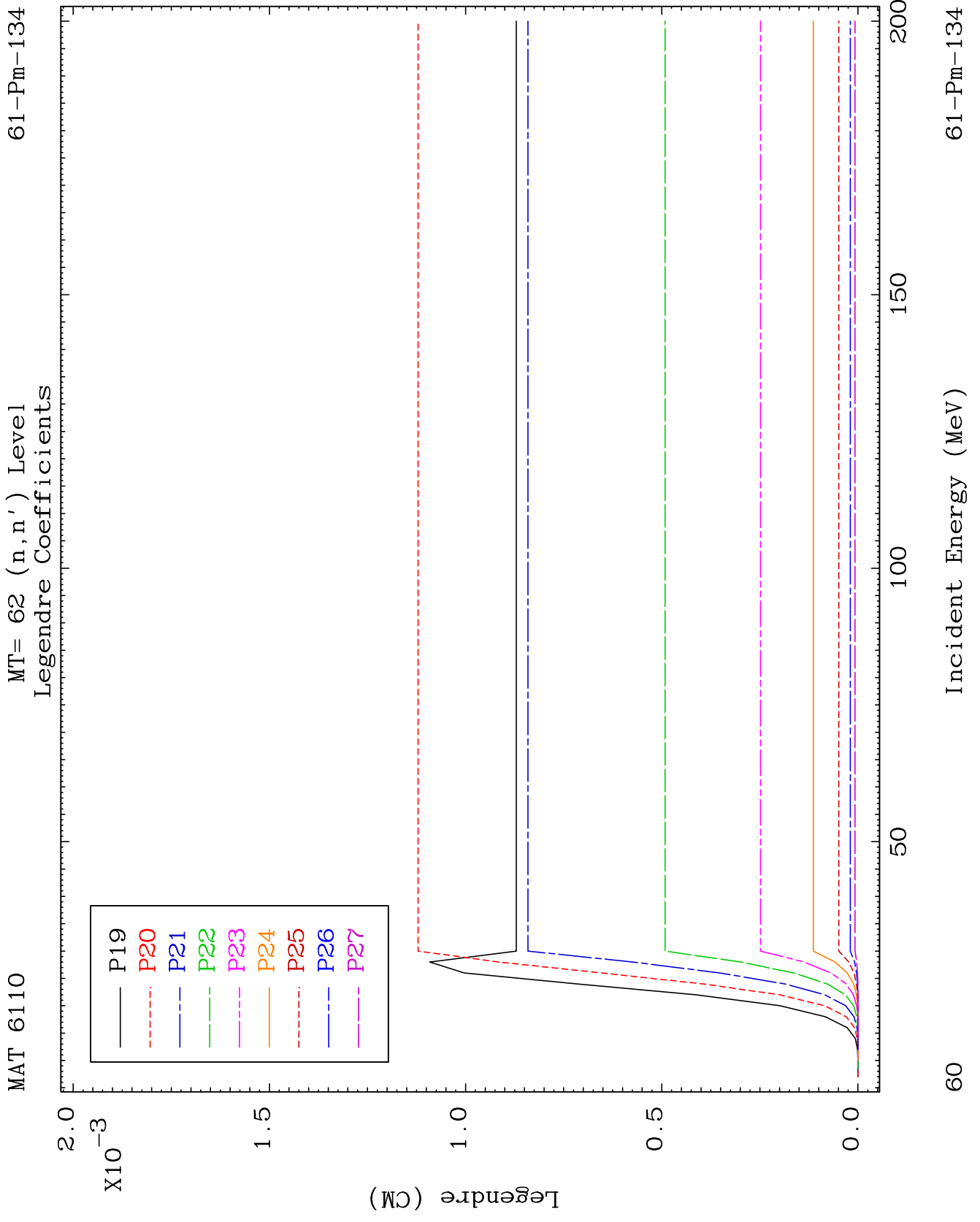
61-Pm-134



59

Incident Energy (MeV)

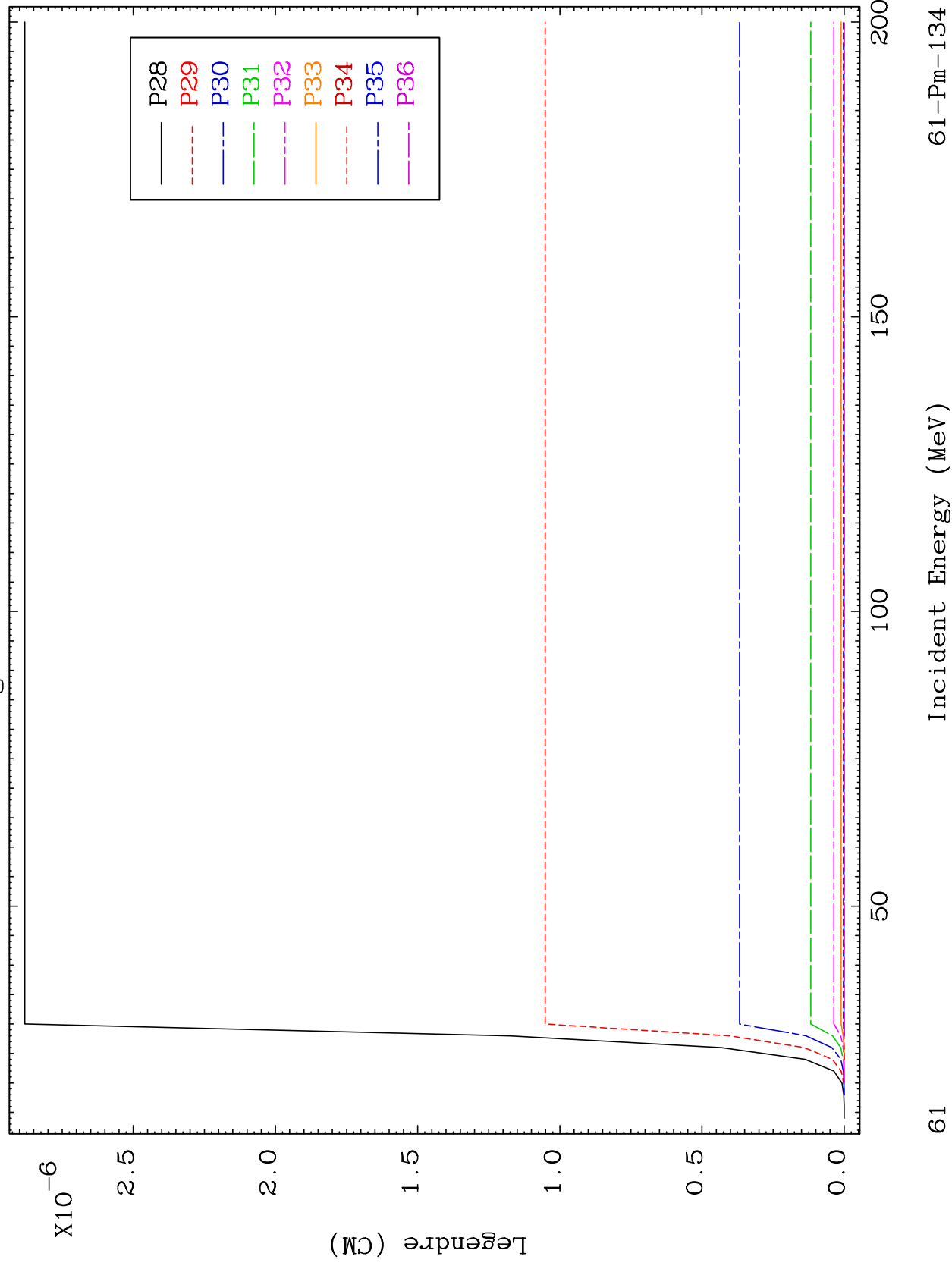
61-Pm-134



MAT 6110

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

61-Pm-134



61

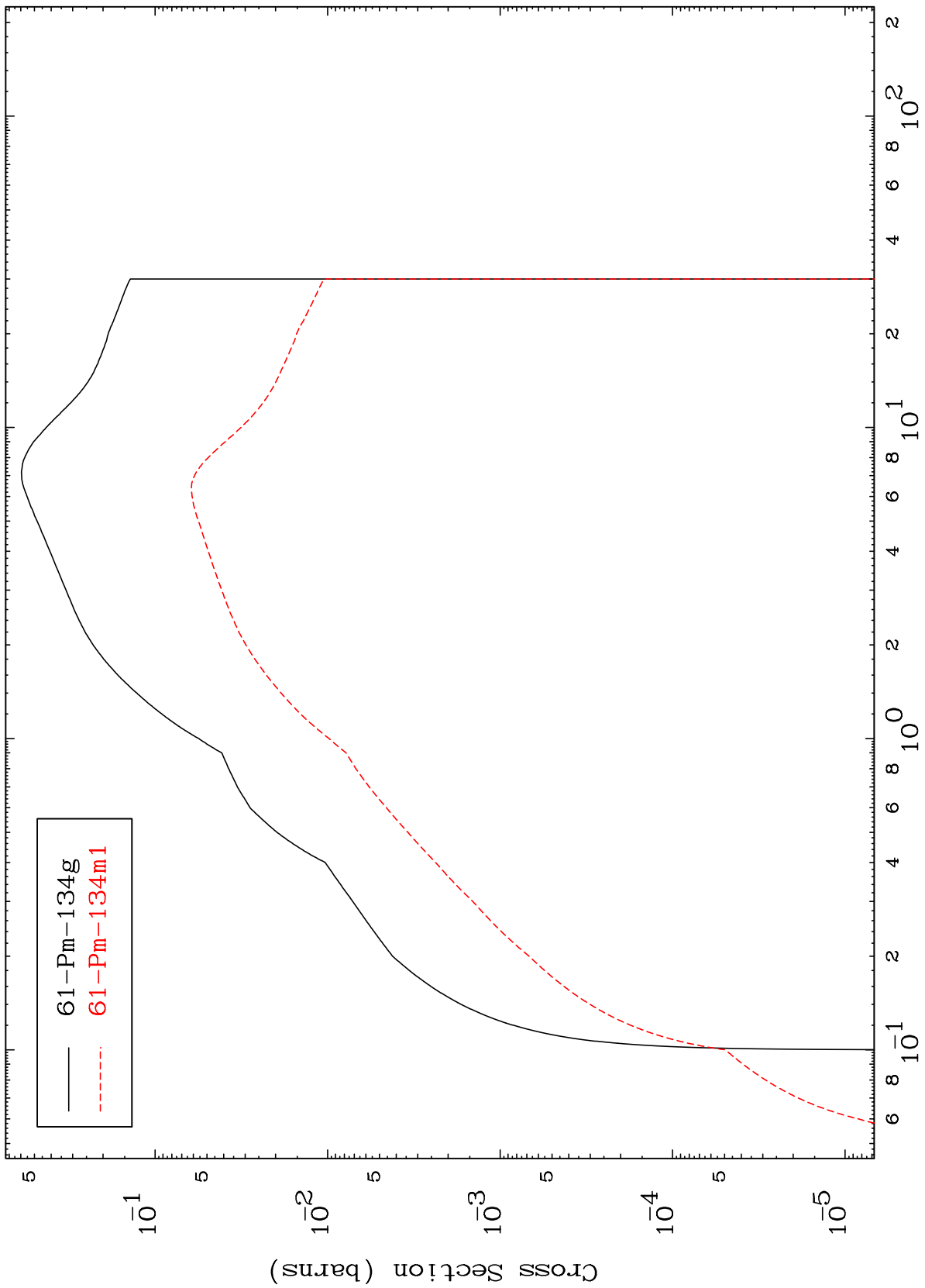
Incident Energy (MeV)

61-Pm-134

MAT 6110

61-Pm-134

Inelastic
Radionuclide Production Cross Section



61-Pm-134g
61-Pm-134m1

62

61-Pm-134

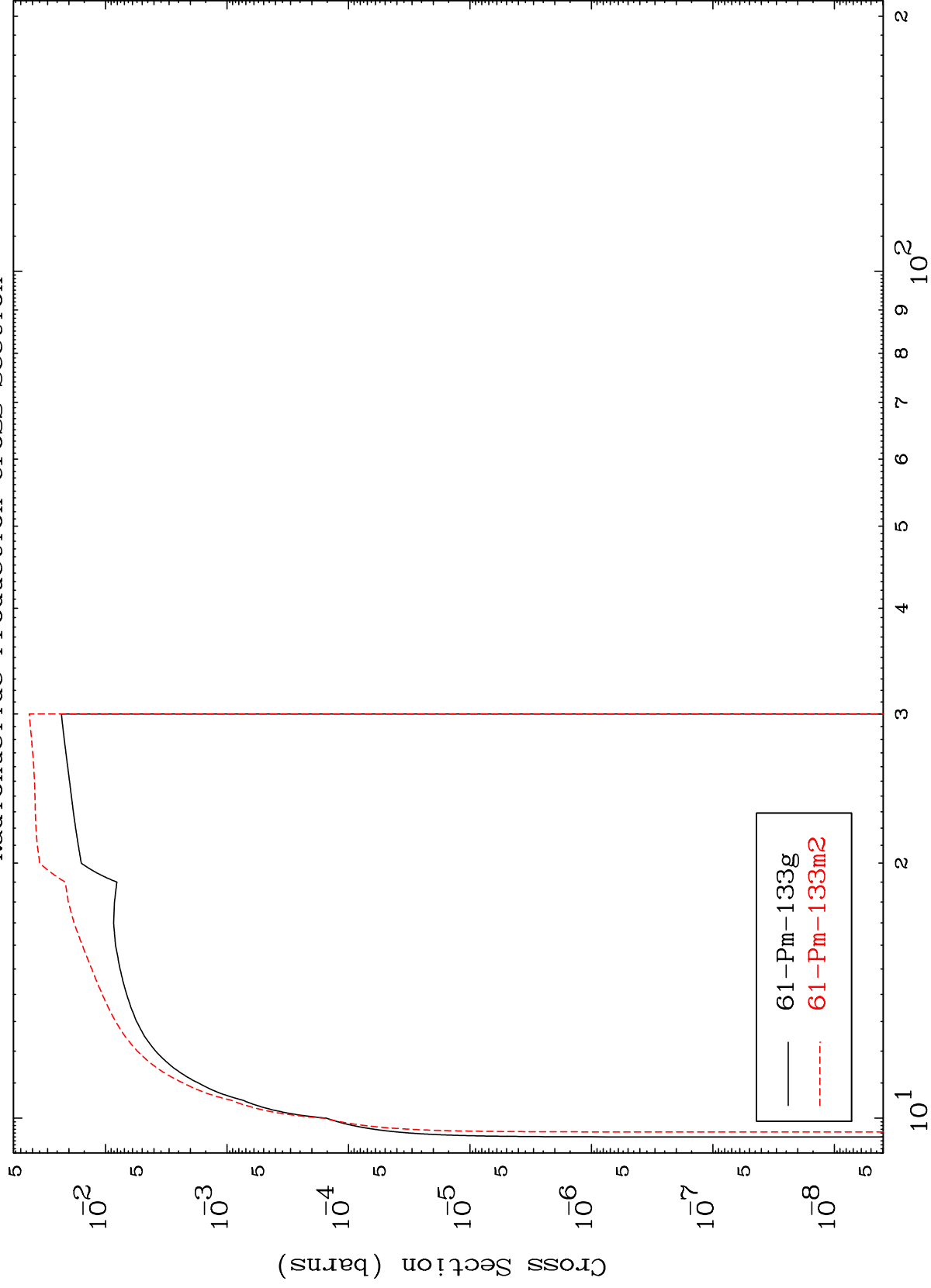
Incident Energy (MeV)

MAT 6110

(n,2n)

61-Pm-134

Radionuclide Production Cross Section



61-Pm-133g
61-Pm-133m2

Incident Energy (MeV)

61-Pm-134

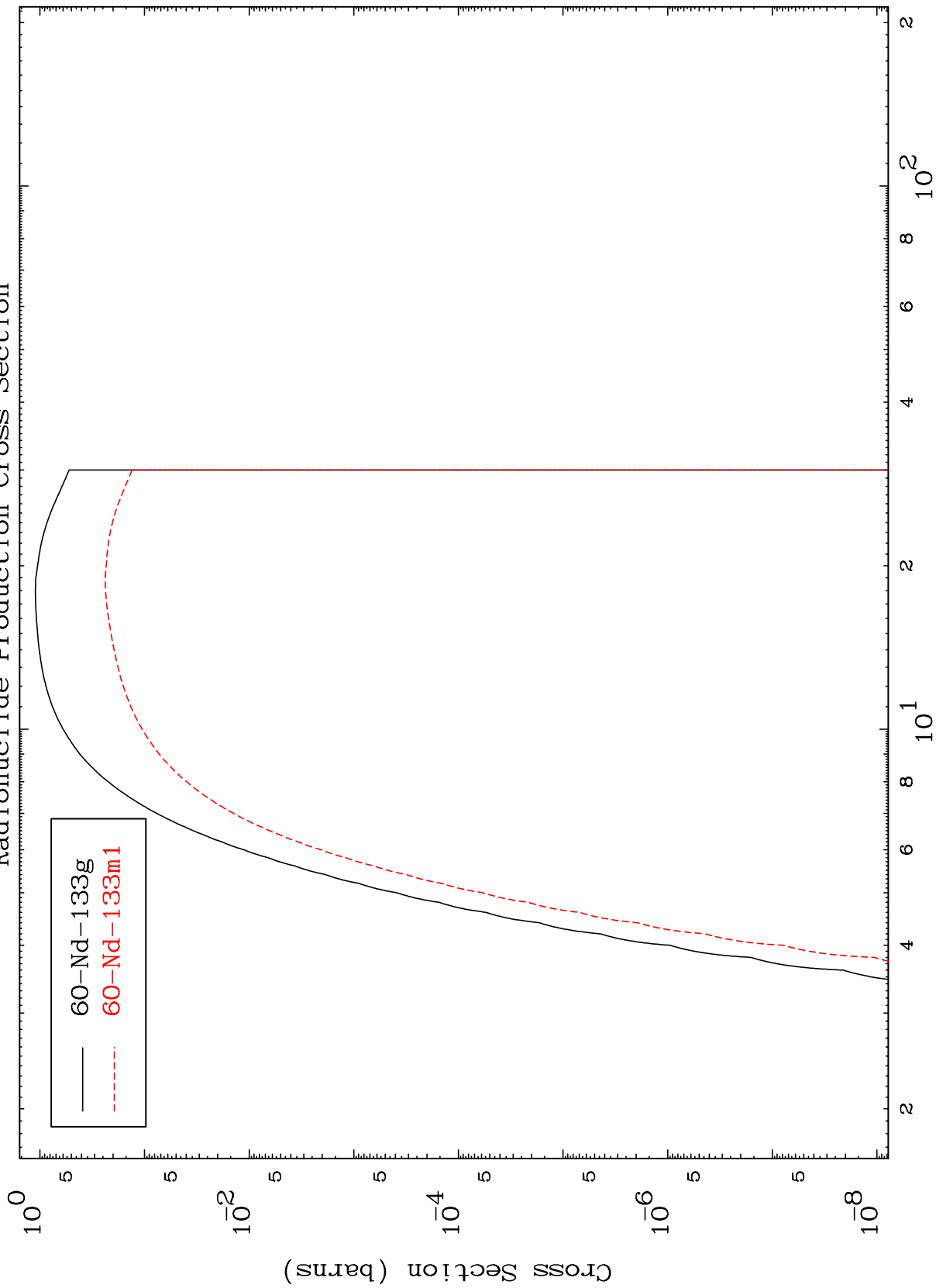
63

MAT 6110

(n,n') p

61-Pm-134

Radionuclide Production Cross Section



60-Nd-133g
60-Nd-133m1

64

Incident Energy (MeV)

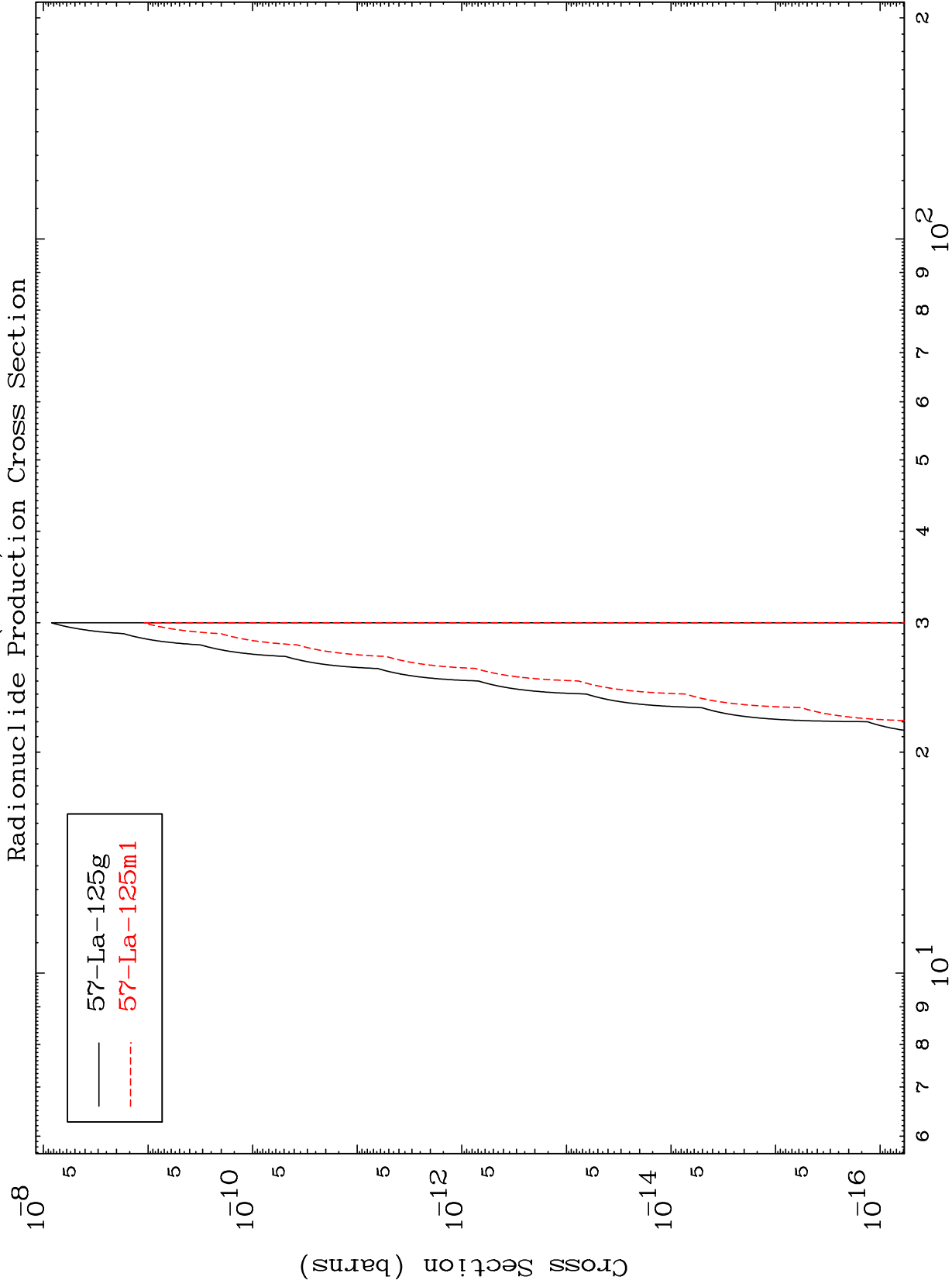
61-Pm-134

MAT 6110

(n,2n) 2 α

61-Pm-134

Radionuclide Production Cross Section



65

Incident Energy (MeV)

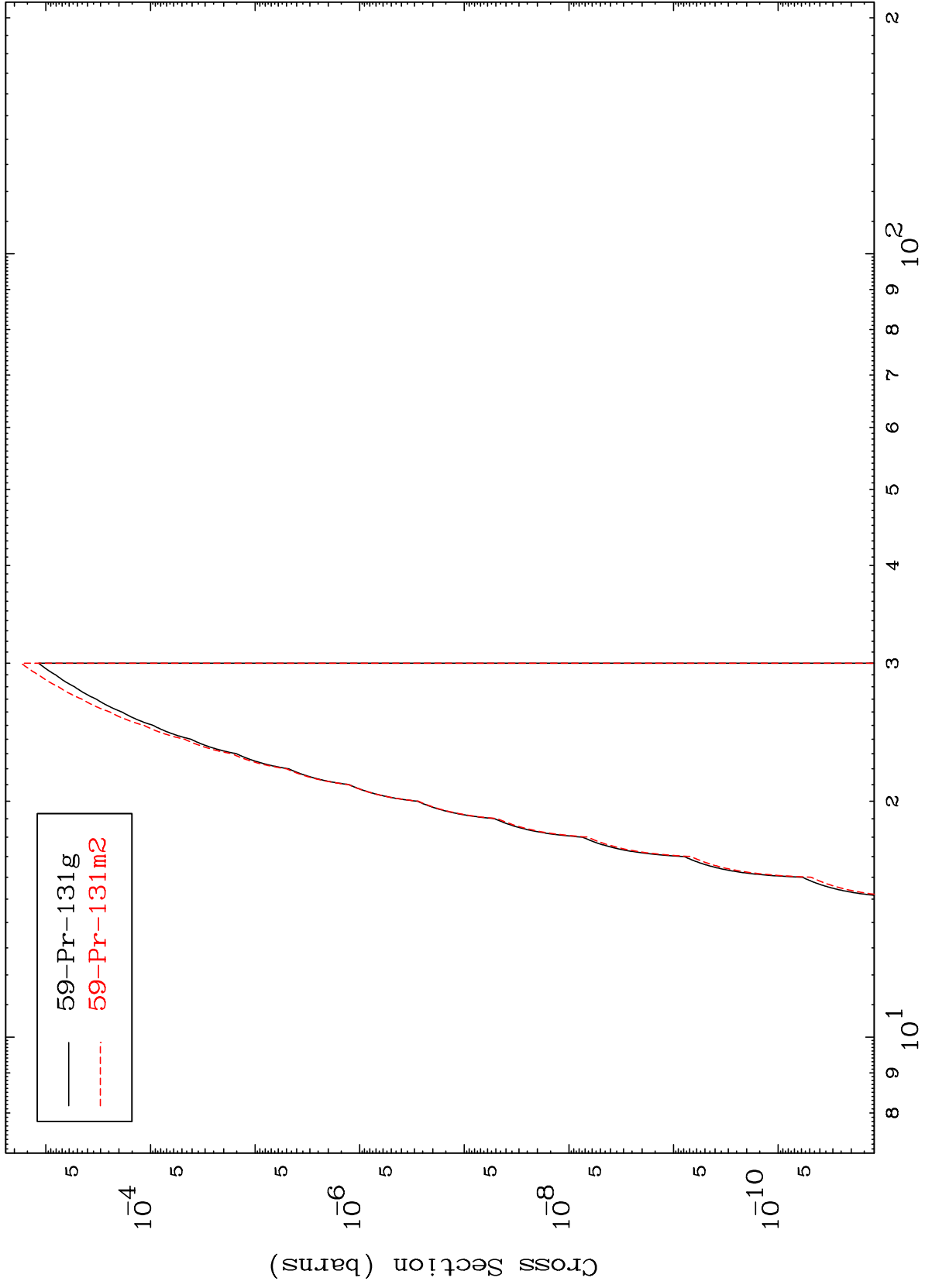
61-Pm-134

MAT 6110

(n,n') He-3

61-Pm-134

Radionuclide Production Cross Section



66

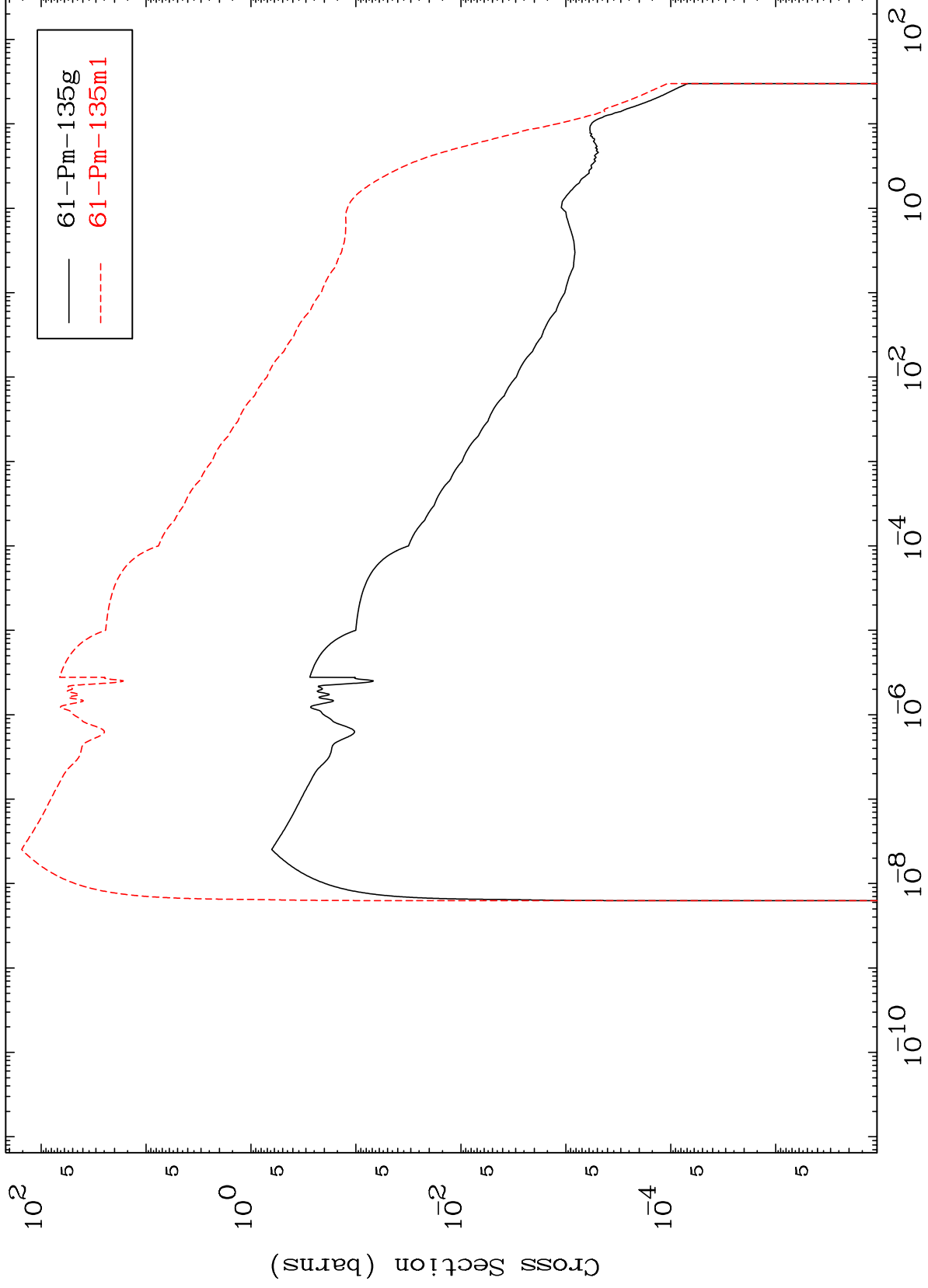
Incident Energy (MeV)

61-Pm-134

MAT 6110

61-Pm-134

(n, γ)
Radionuclide Production Cross Section



67

61-Pm-134

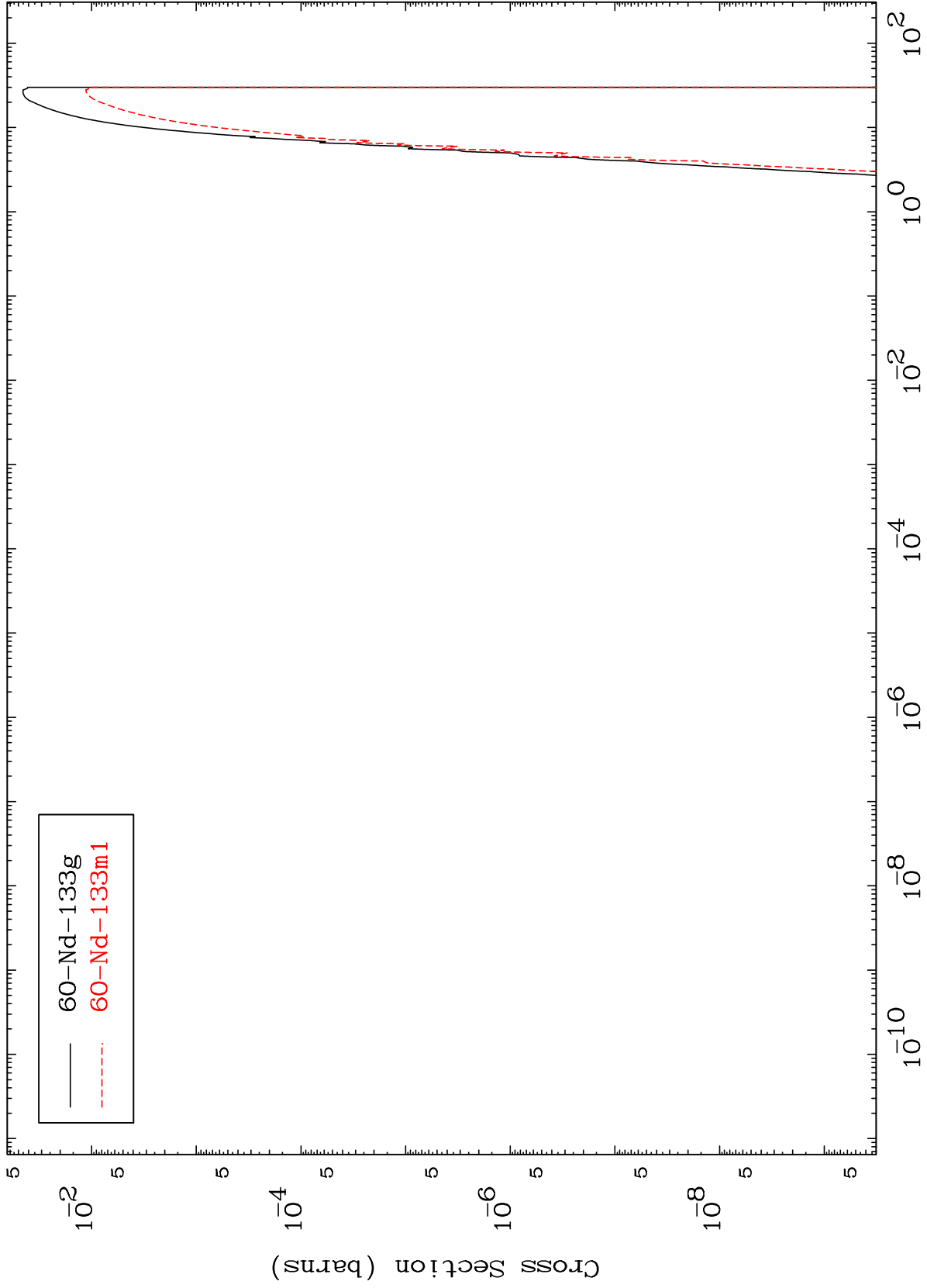
Incident Energy (MeV)

MAT 6110

(n,d)

61-Pm-134

Radionuclide Production Cross Section



68

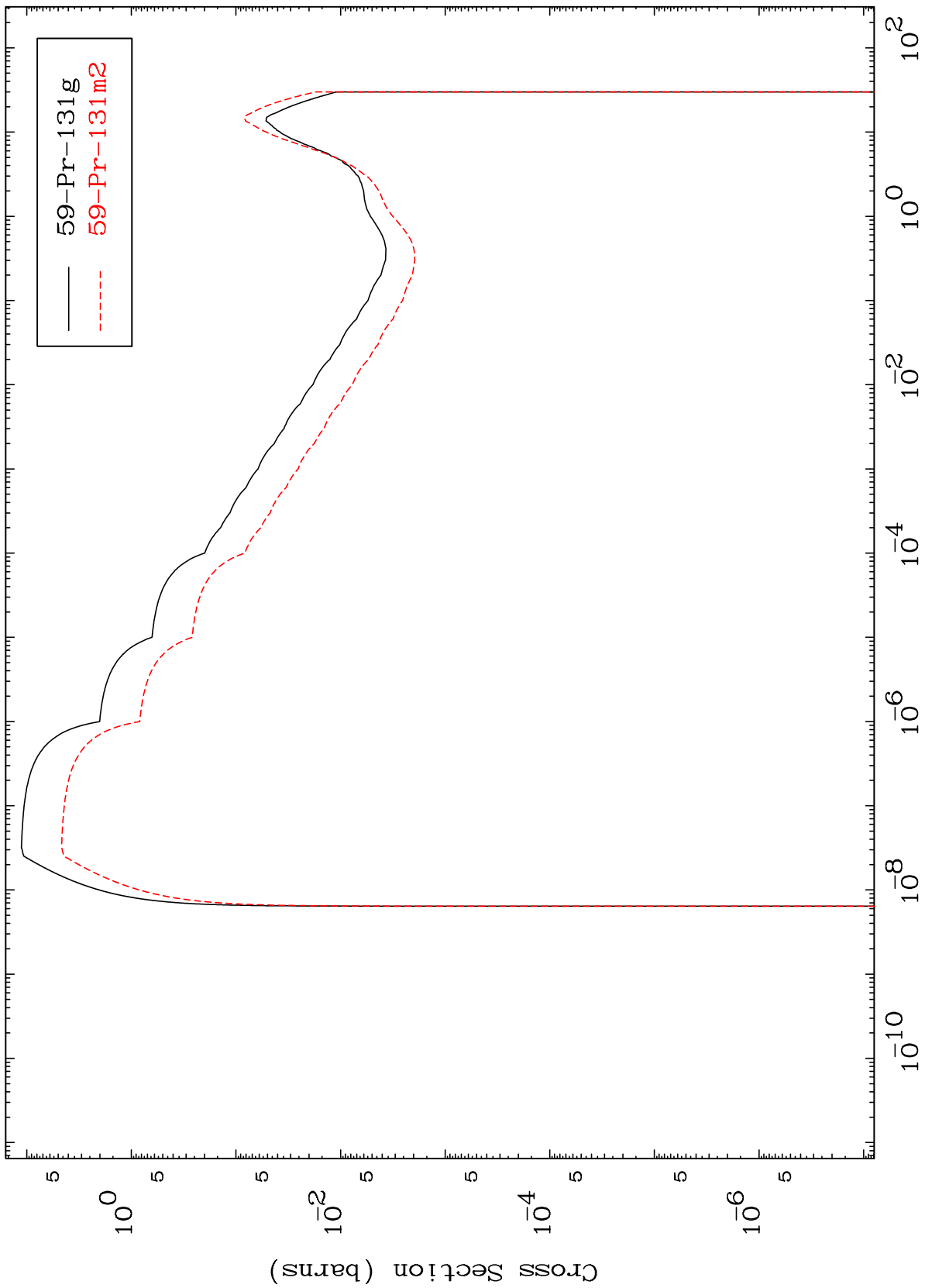
Incident Energy (MeV)

61-Pm-134

MAT 6110

61-Pm-134

(n, α)
Radionuclide Production Cross Section



69

61-Pm-134

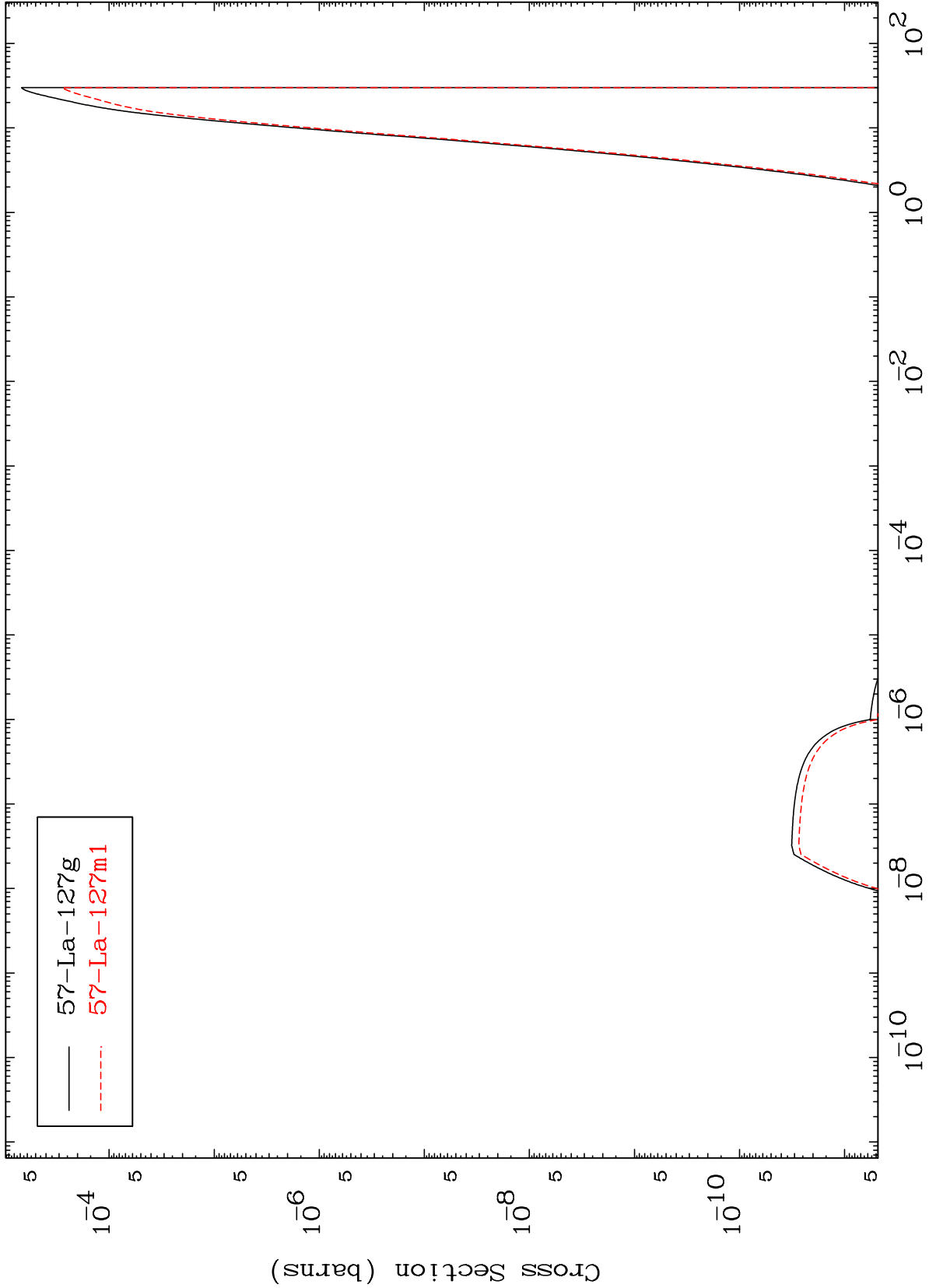
Incident Energy (MeV)

MAT 6110

(n,2α)

61-Pm-134

Radionuclide Production Cross Section



70

Incident Energy (MeV)

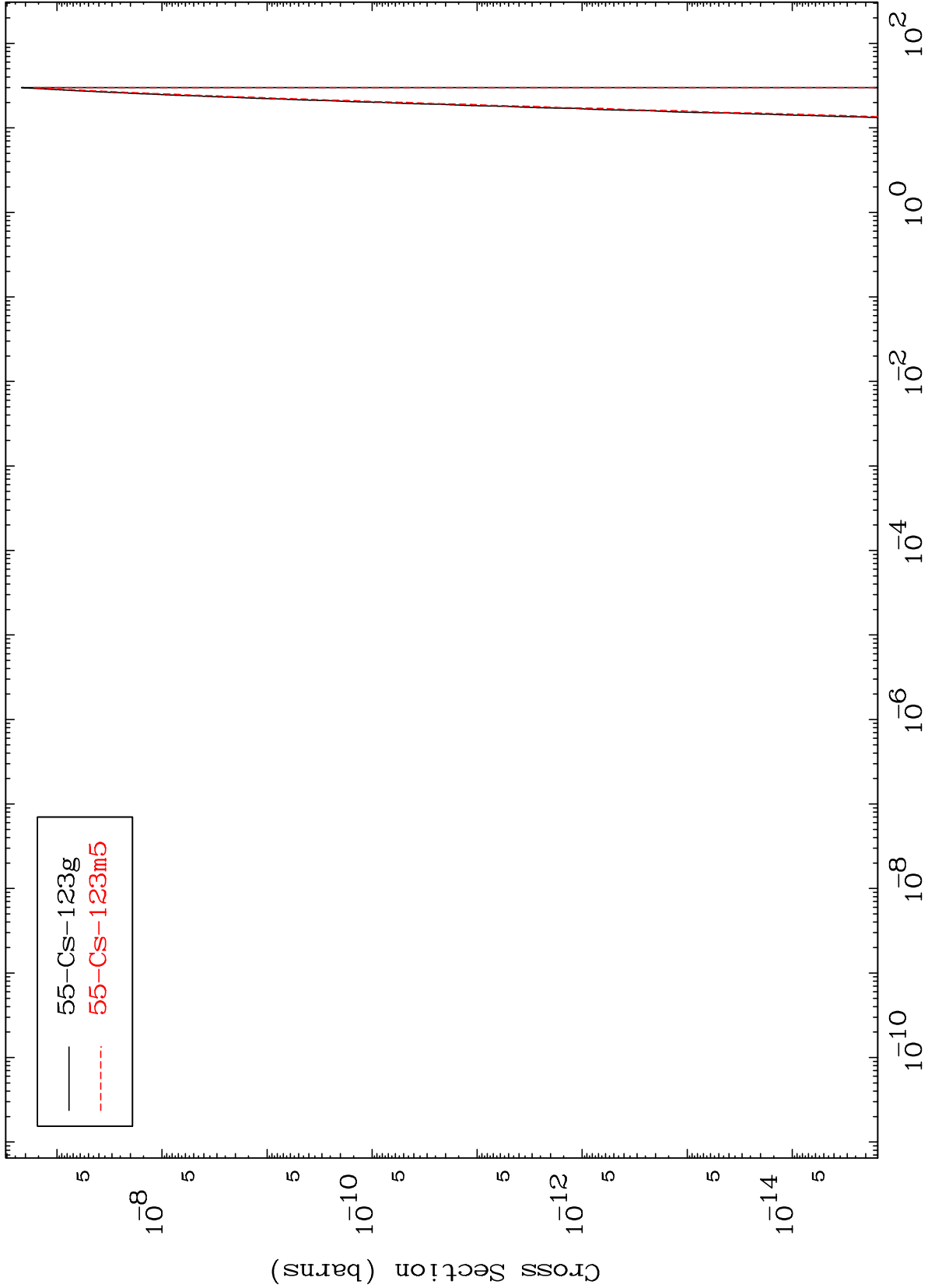
61-Pm-134

MAT 6110

(n,3 α)

61-Pm-134

Radionuclide Production Cross Section

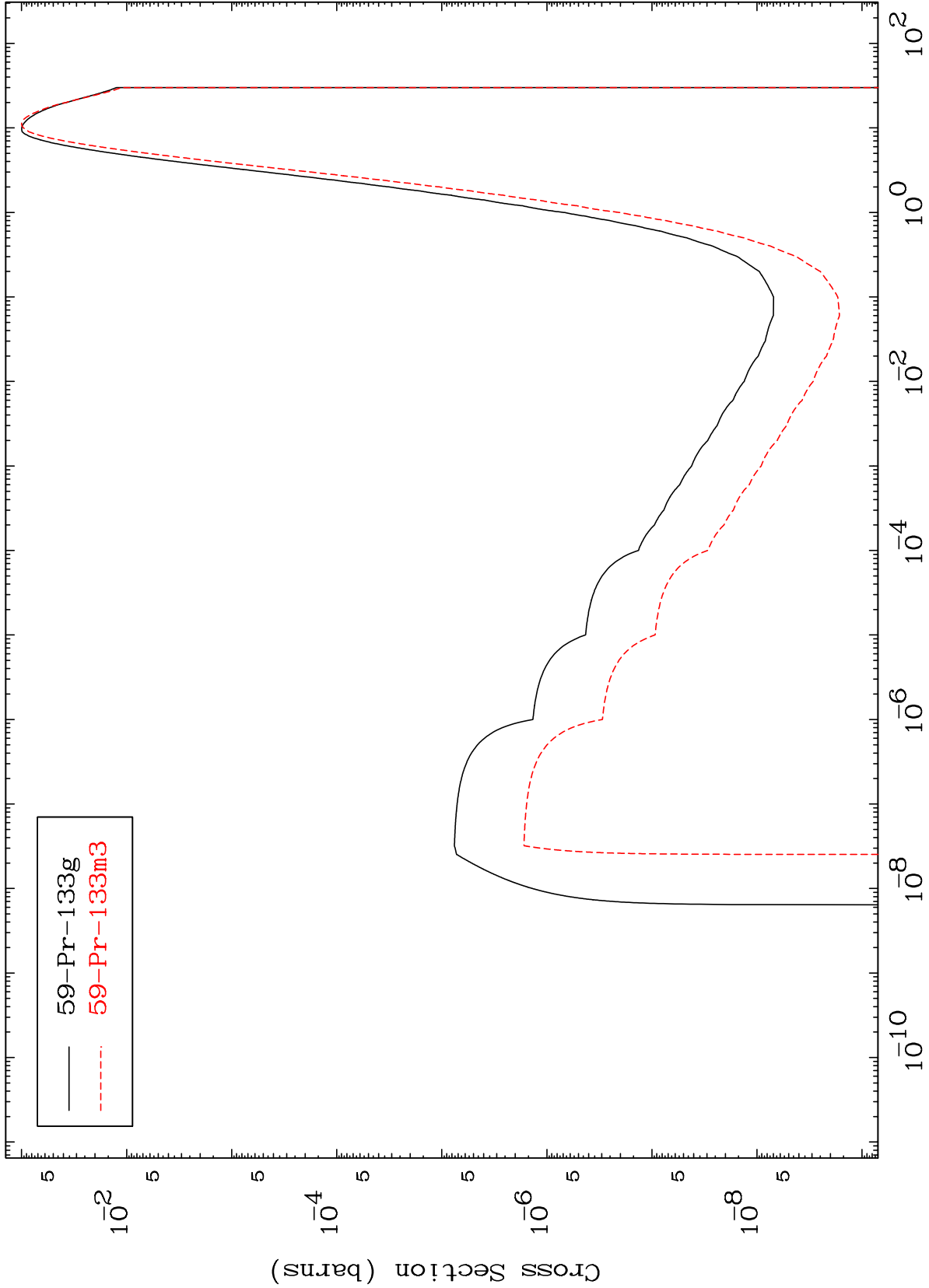
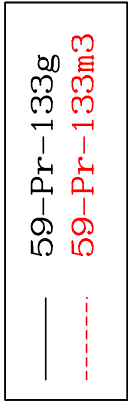


MAT 6110

(n,2p)

61-Pm-134

Radionuclide Production Cross Section

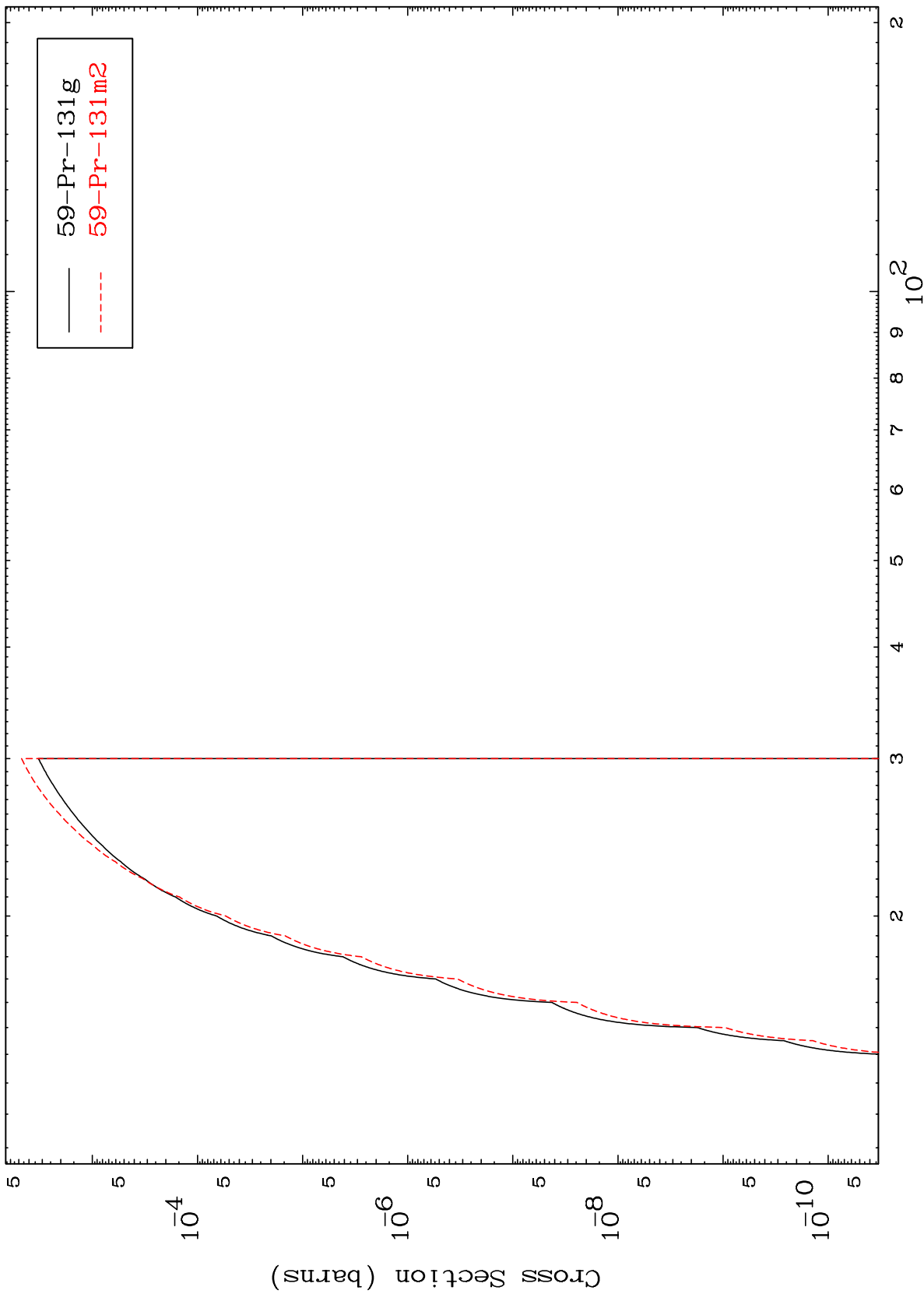


MAT 6110

(n,p) t

61-Pm-134

Radionuclide Production Cross Section



73

Incident Energy (MeV)

61-Pm-134