

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

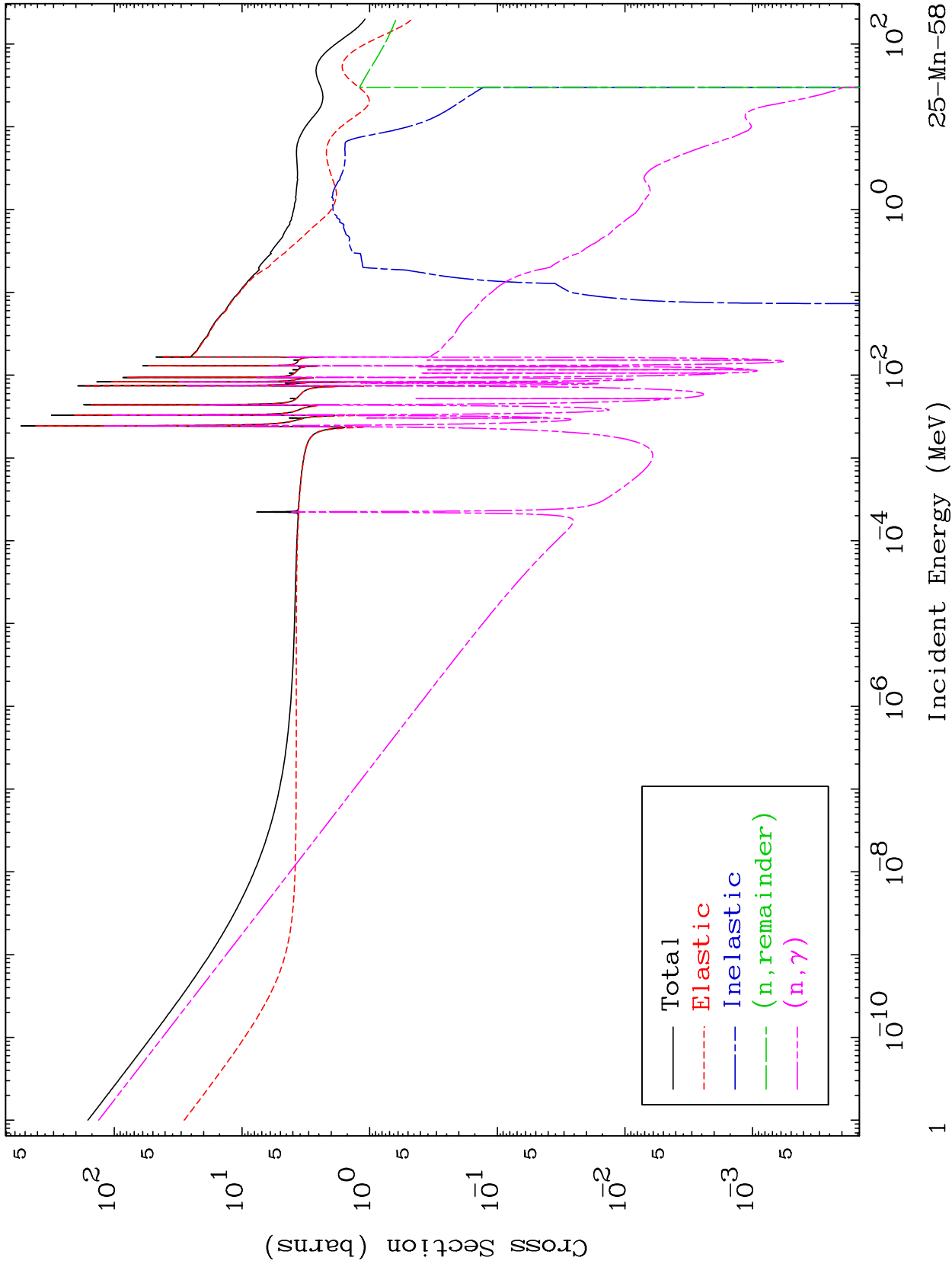
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 2534

Major
293 Kelvin Cross Sections

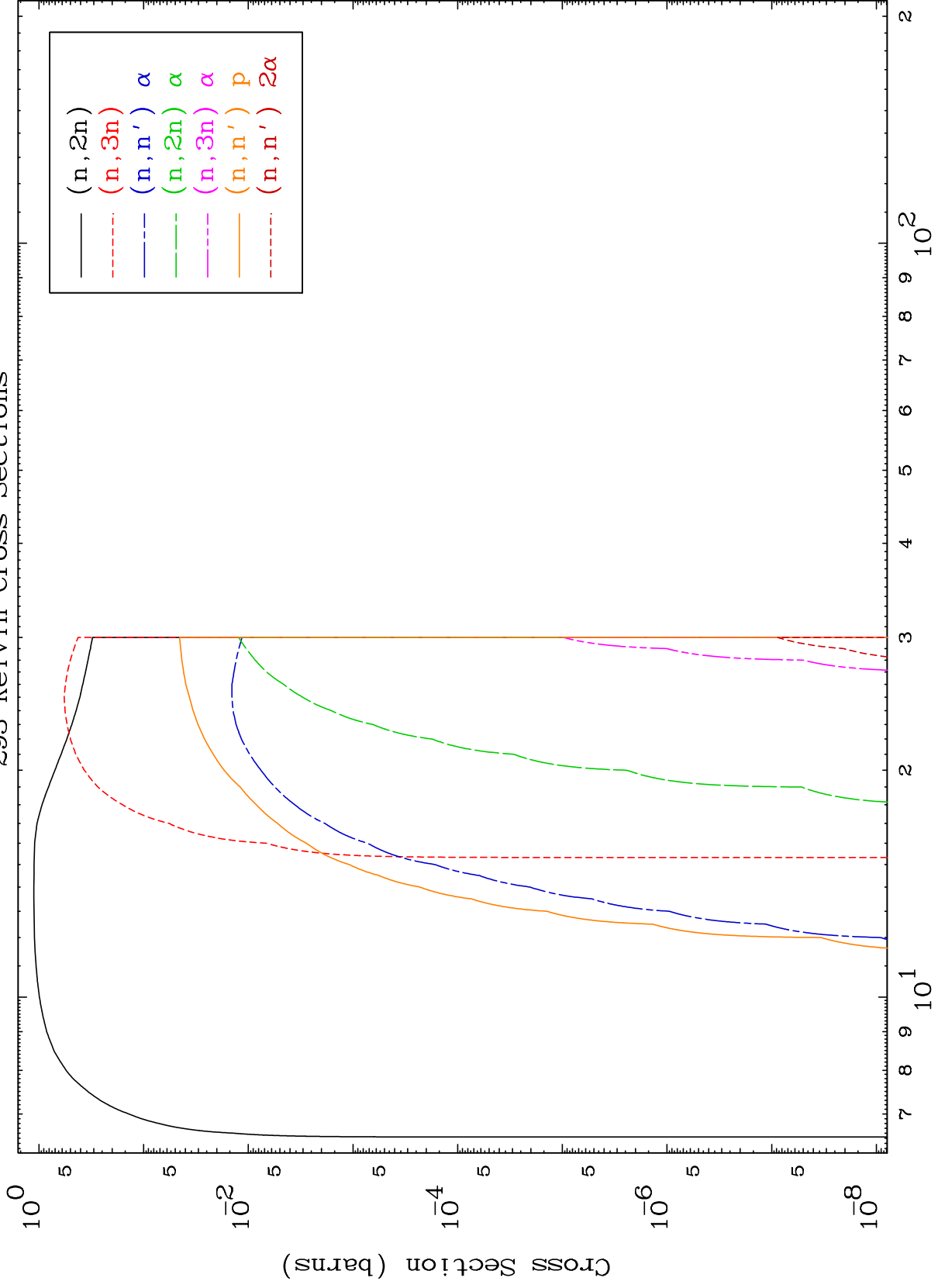
25-Mn-58

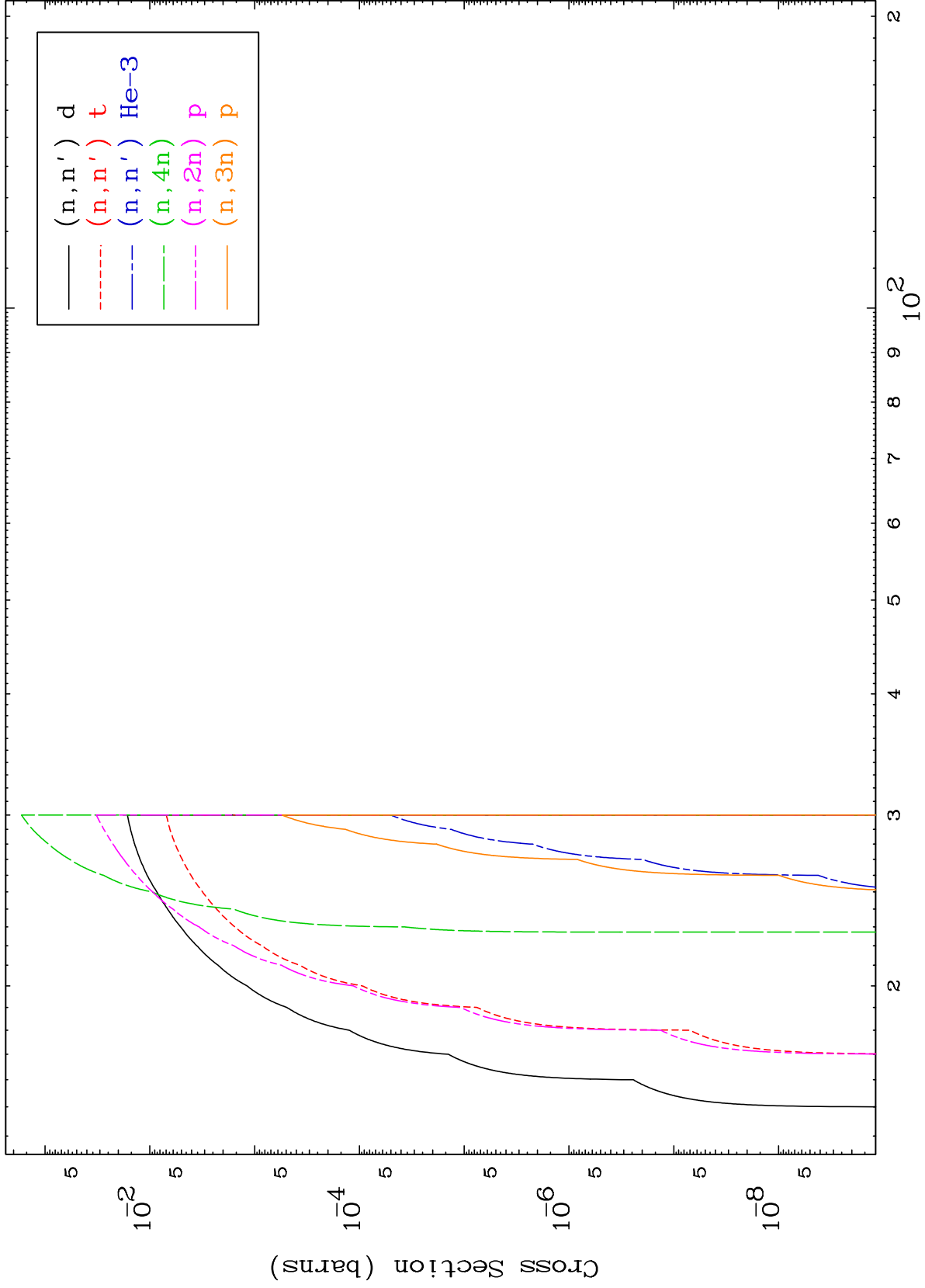


MAT 2534

Neutron Production 293 Kelvin Cross Sections

25-Mn-58

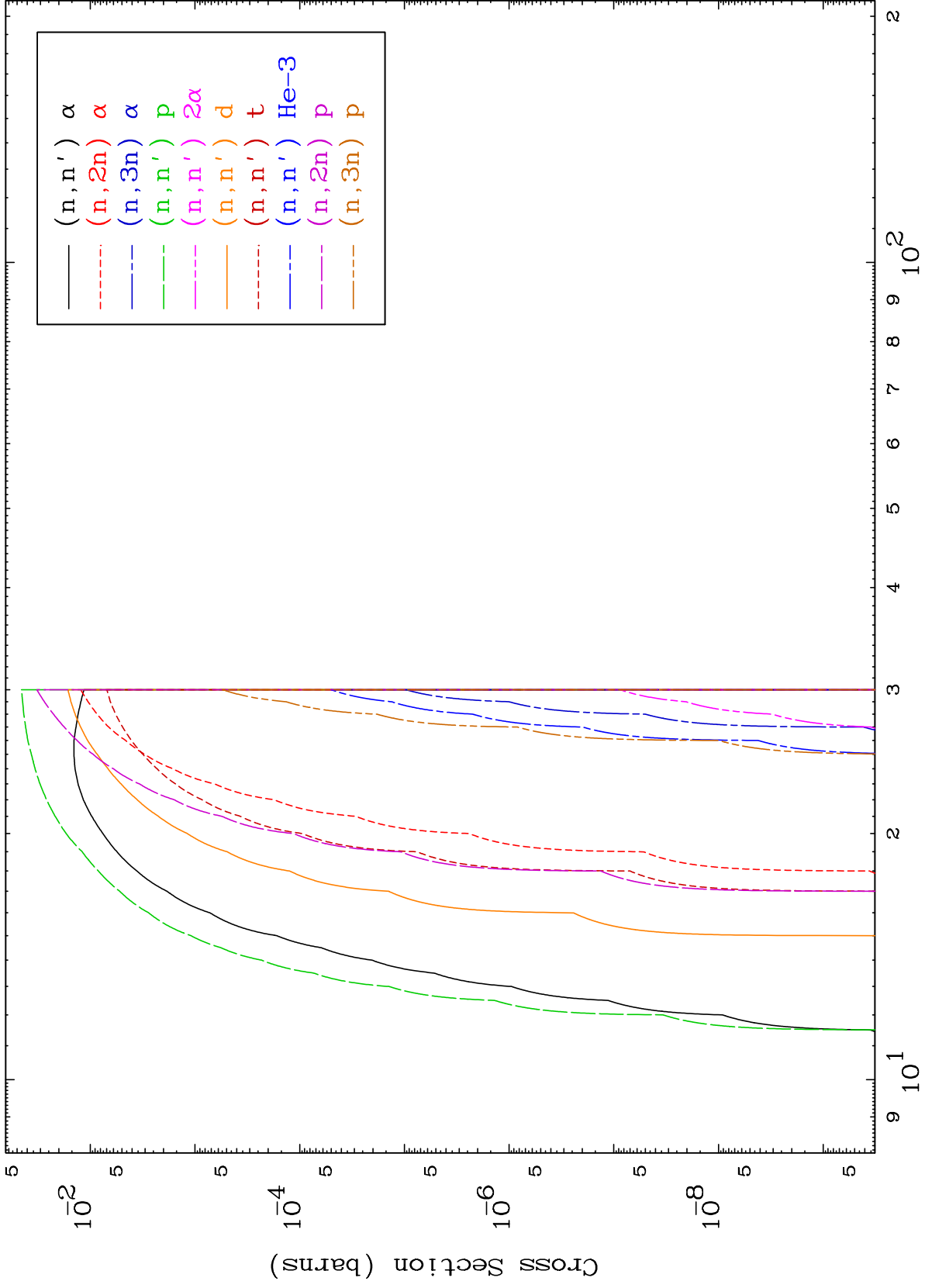




MAT 2534

Charged Particle
293 Kelvin Cross Sections

25-Mn-58



Incident Energy (MeV)

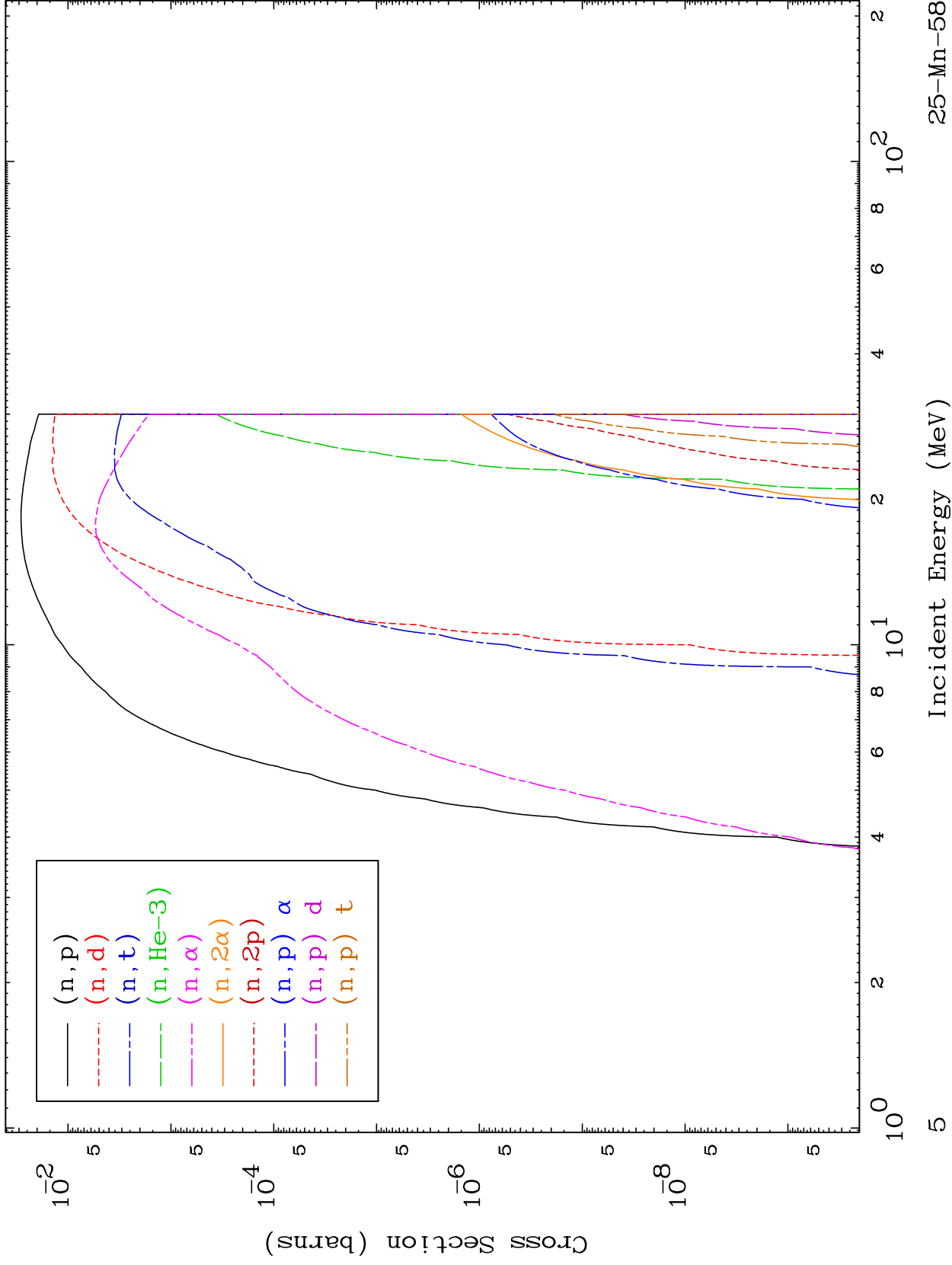
25-Mn-58

4

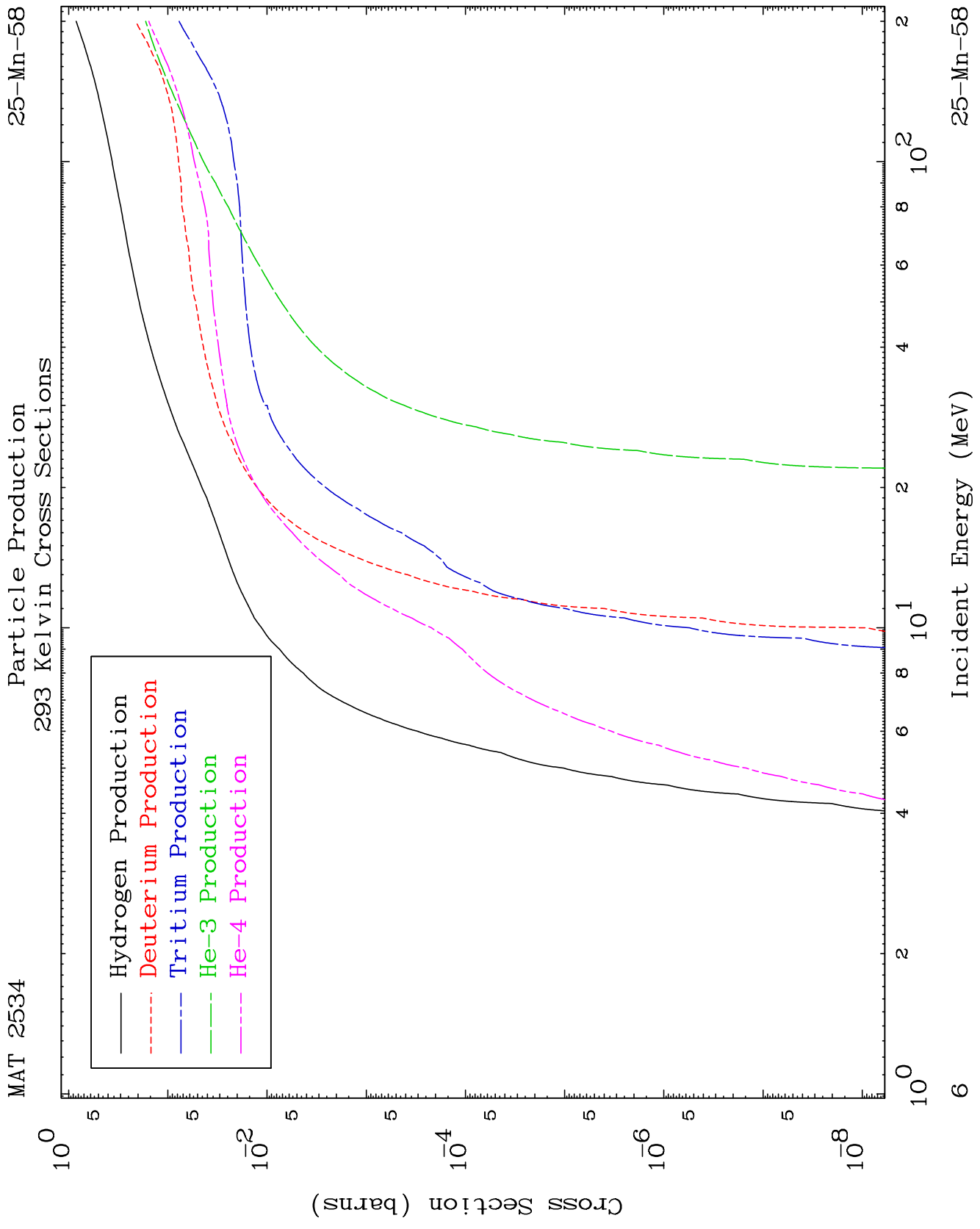
MAT 2534

Charged Particle
293 Kelvin Cross Sections

25-Mn-58



25-Mn-58

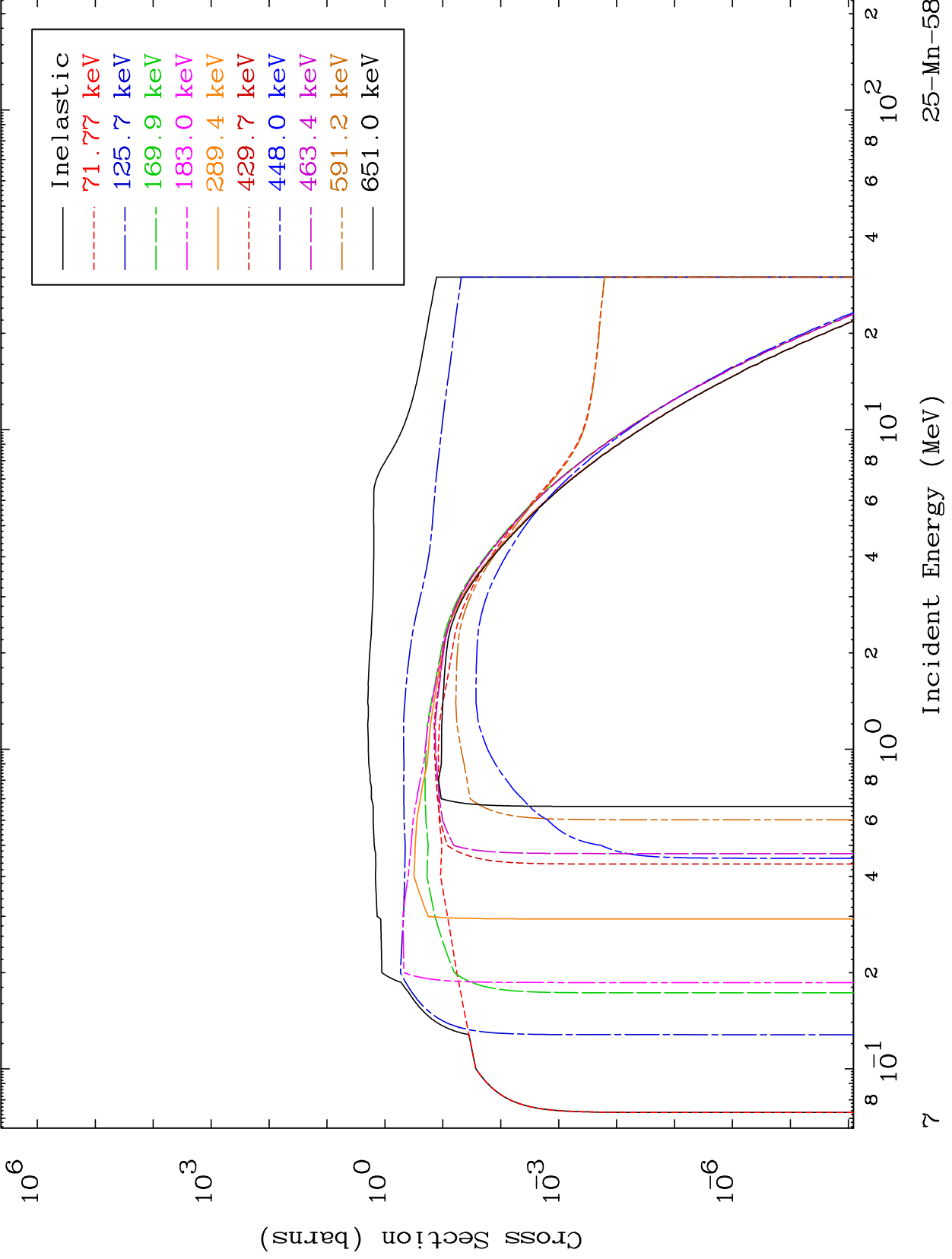


MAT 2534

(n,n') Level

25-Mn-58

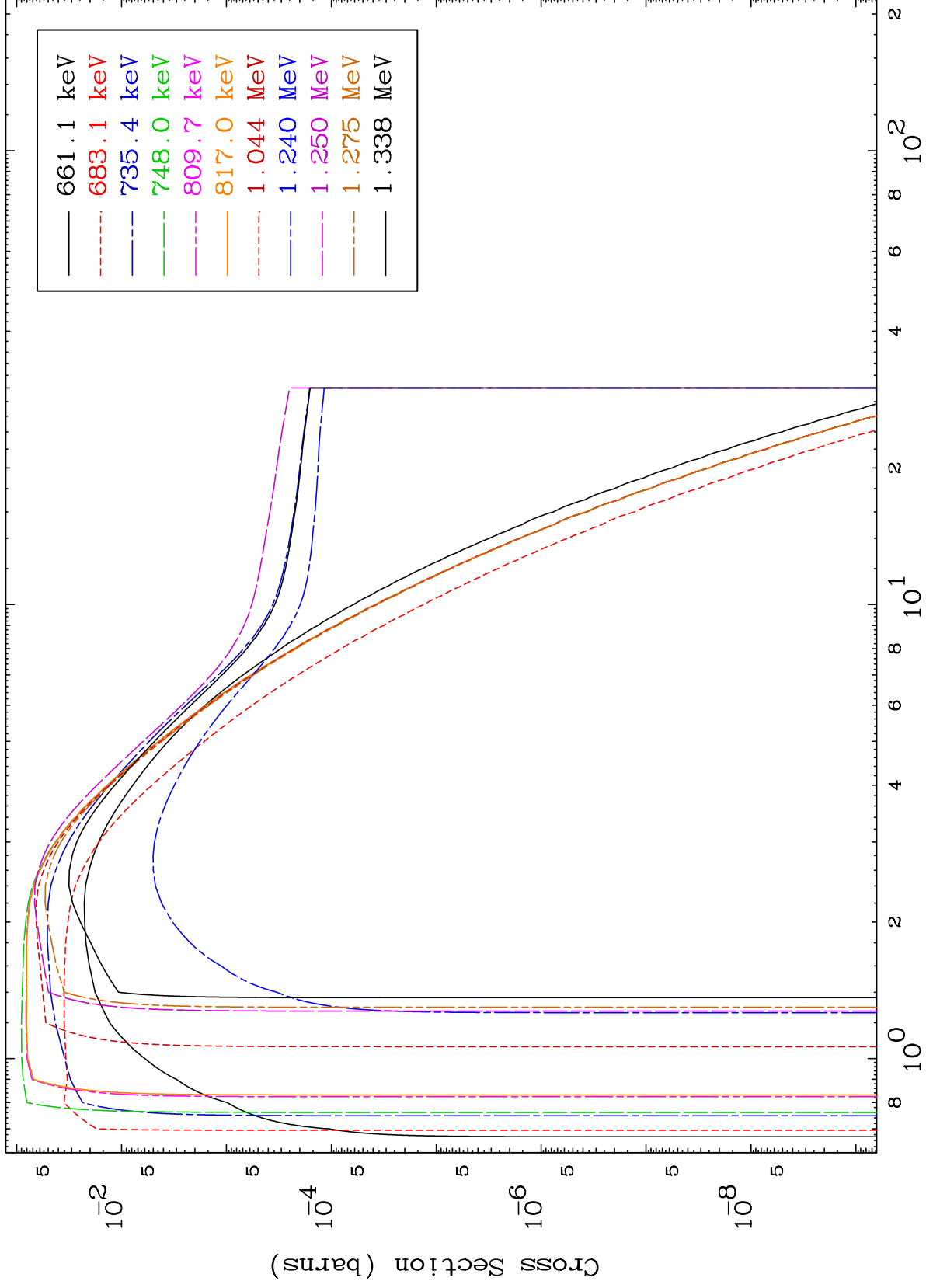
293 Kelvin Cross Sections



MAT 2534

(n,n') Level
293 Kelvin Cross Sections

25-Mn-58

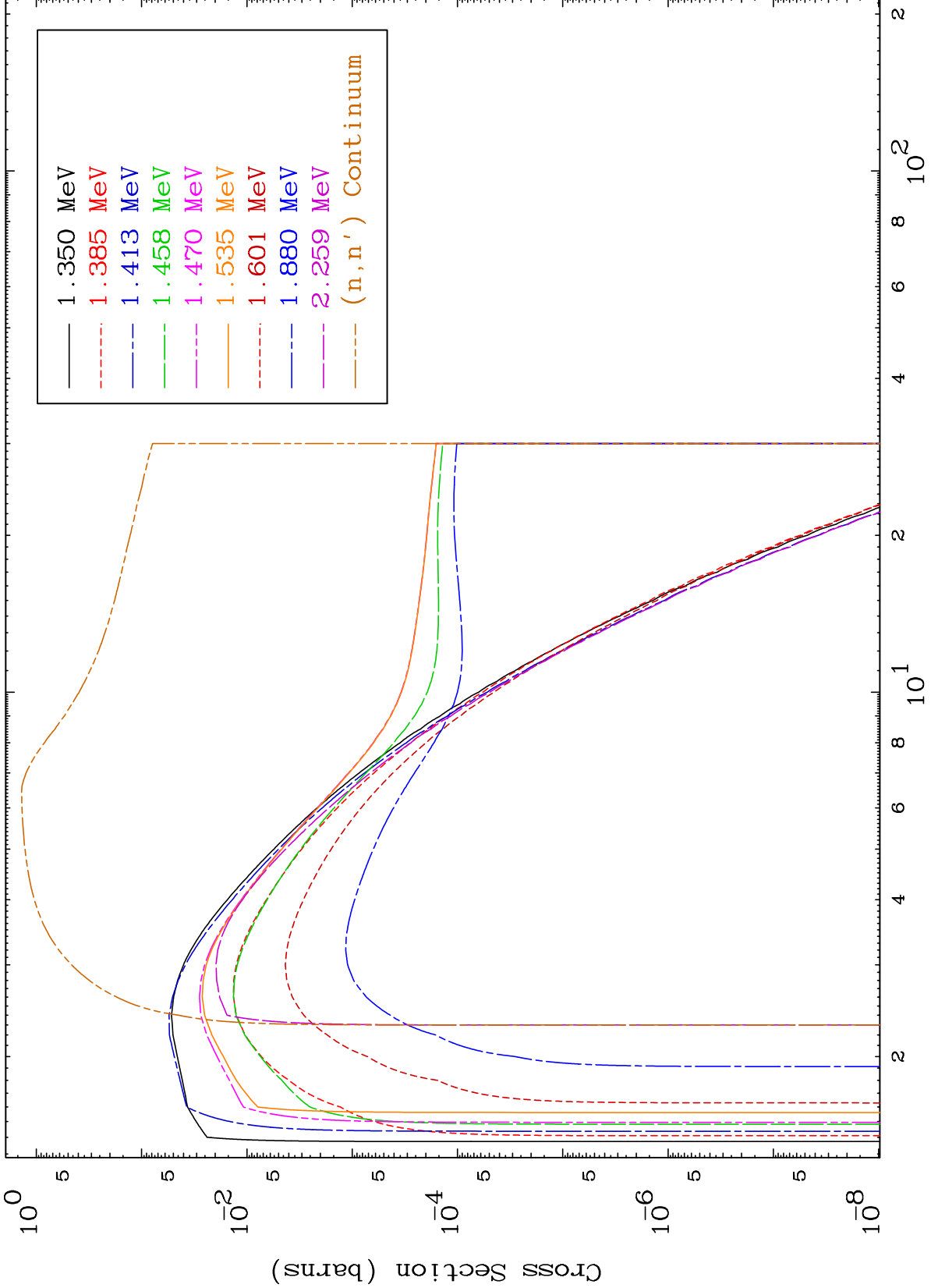


8

Incident Energy (MeV)

25-Mn-58

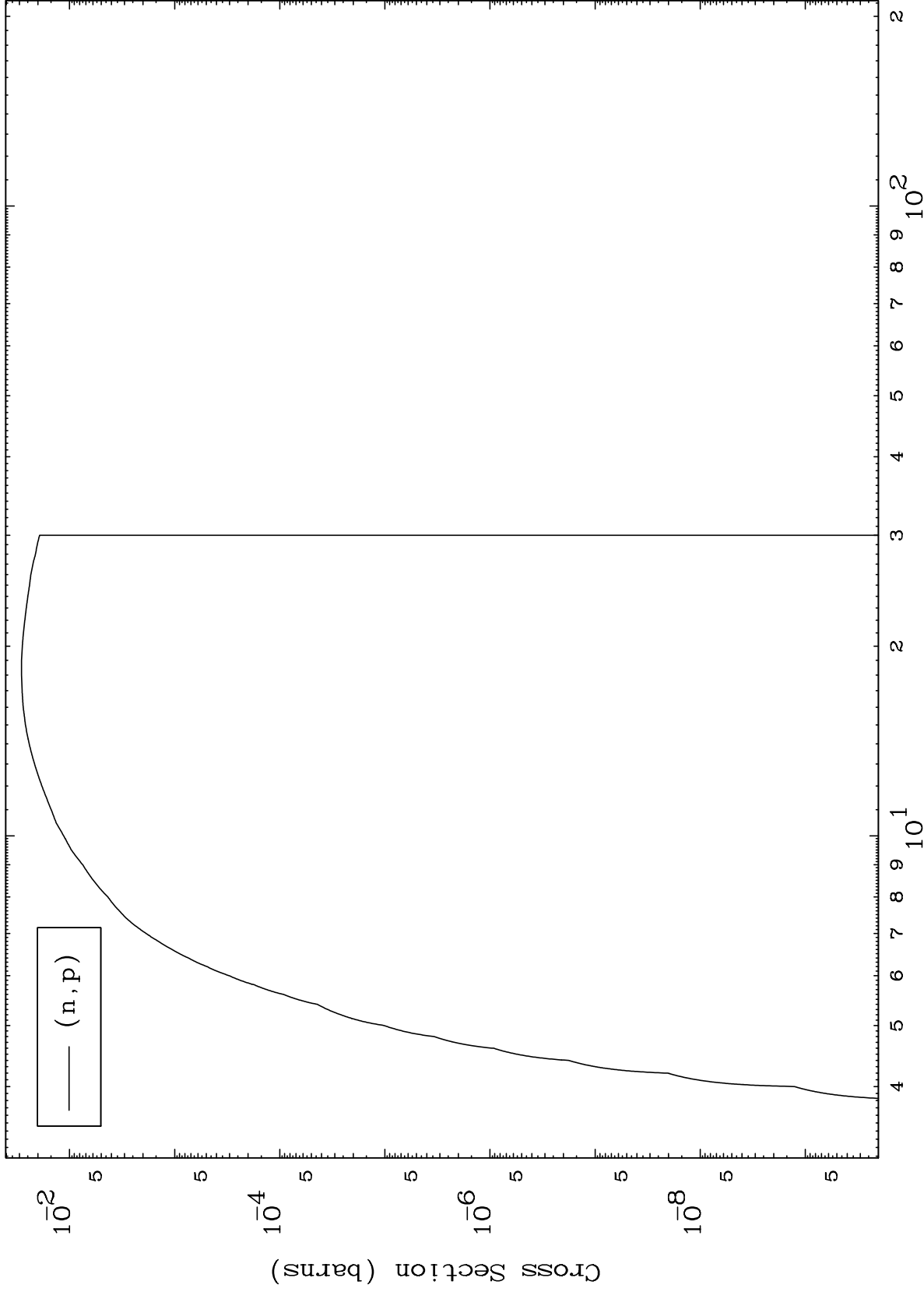
293 Kelvin Cross Sections



MAT 2534

(n,p) Levels
293 Kelvin Cross Sections

25-Mn-58



10

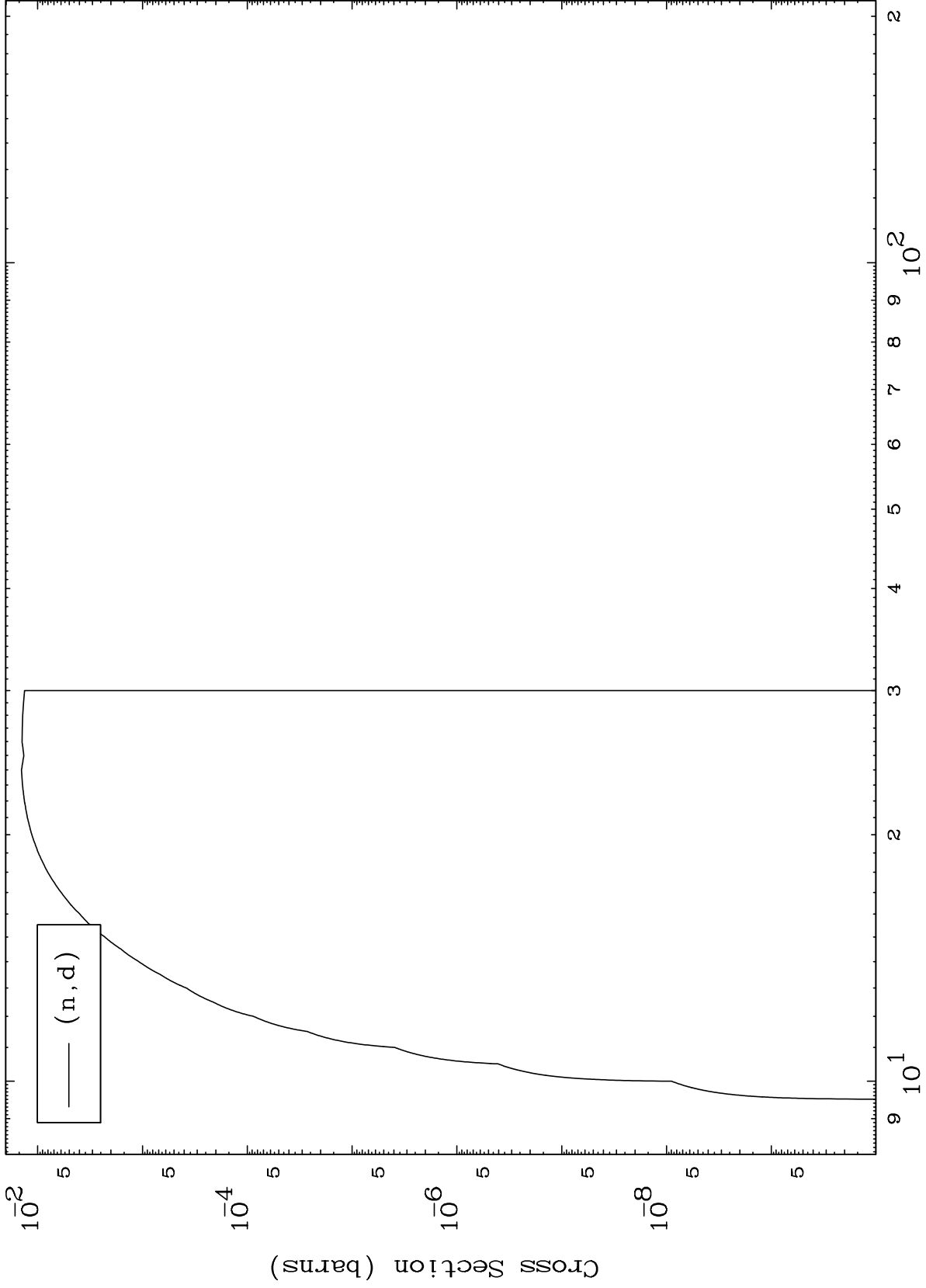
Incident Energy (MeV)

25-Mn-58

MAT 2534

(n,d) Levels
293 Kelvin Cross Sections

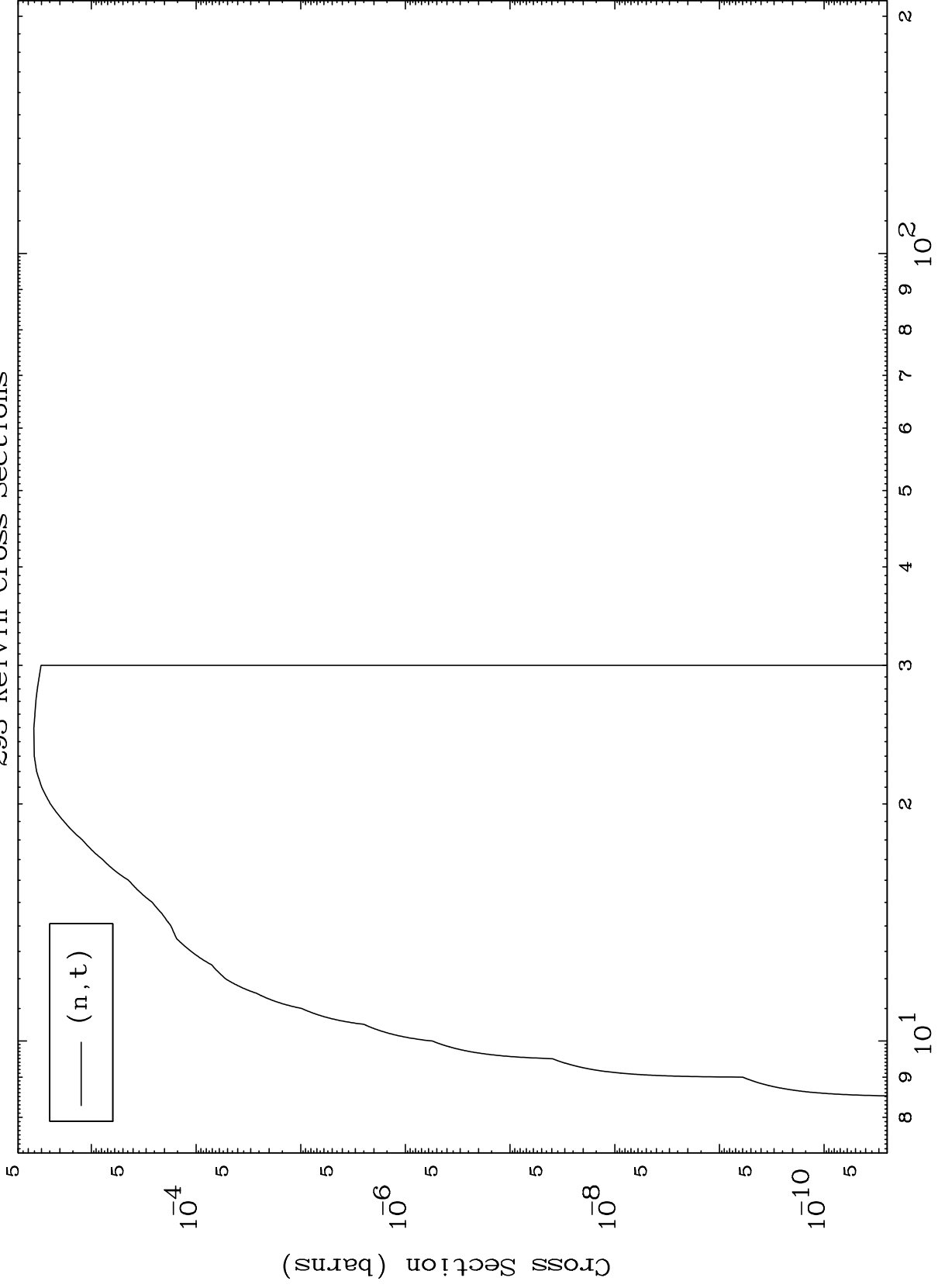
25-Mn-58



MAT 2534

(n,t) Levels
293 Kelvin Cross Sections

25-Mn-58



12

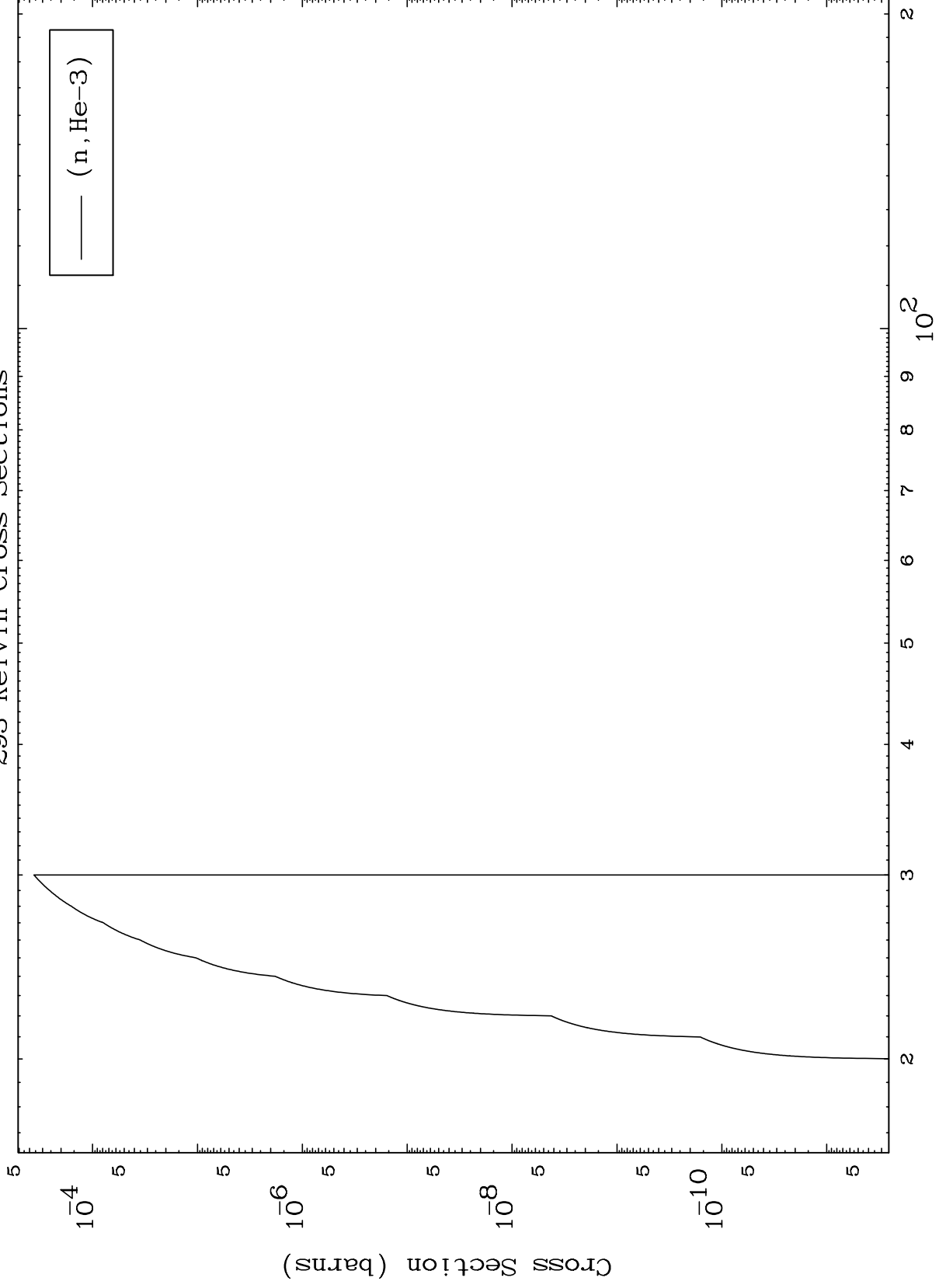
Incident Energy (MeV)

25-Mn-58

MAT 2534

(n,He3) Levels
293 Kelvin Cross Sections

25-Mn-58



13

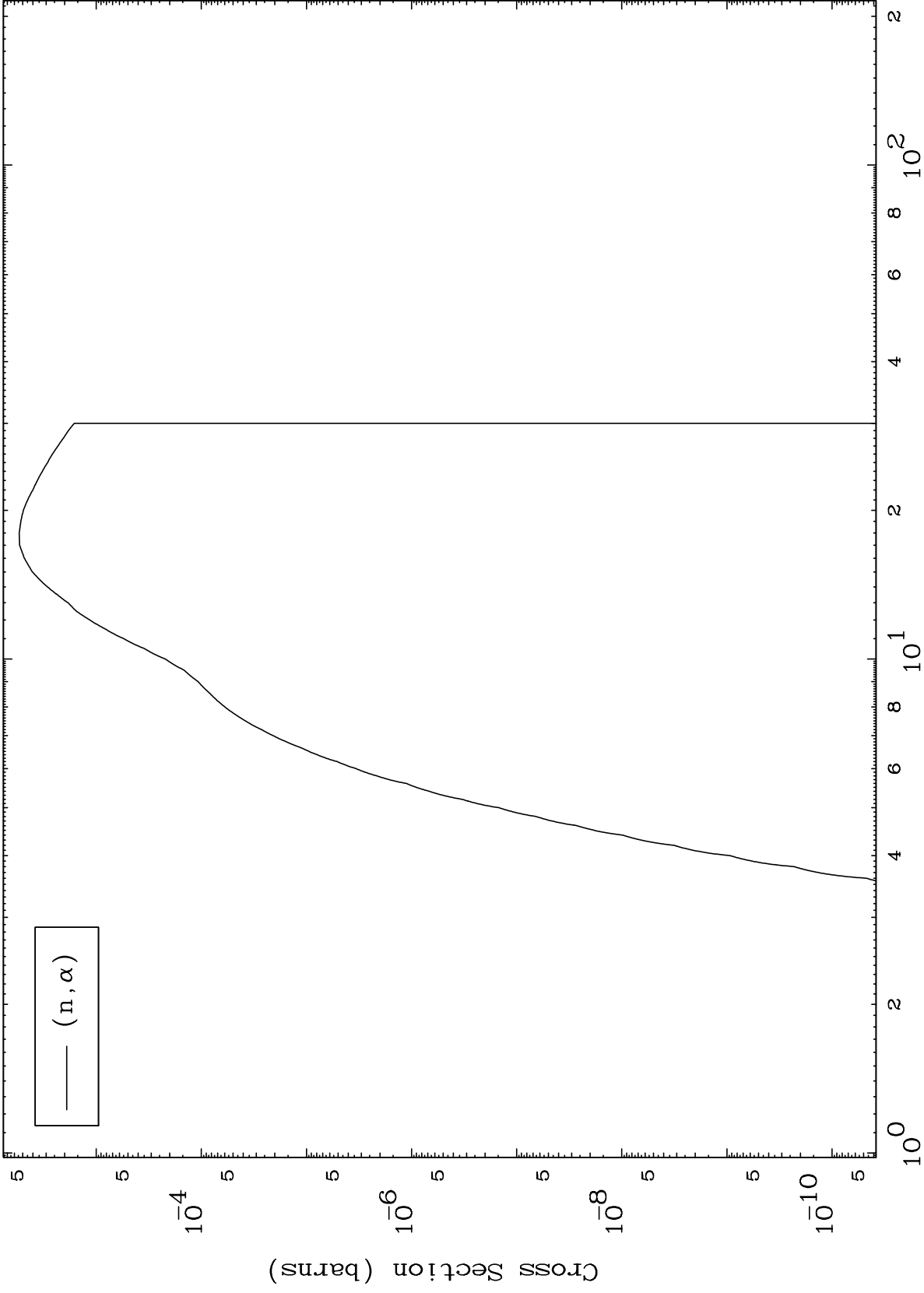
Incident Energy (MeV)

25-Mn-58

MAT 2534

(n, α) Levels
293 Kelvin Cross Sections

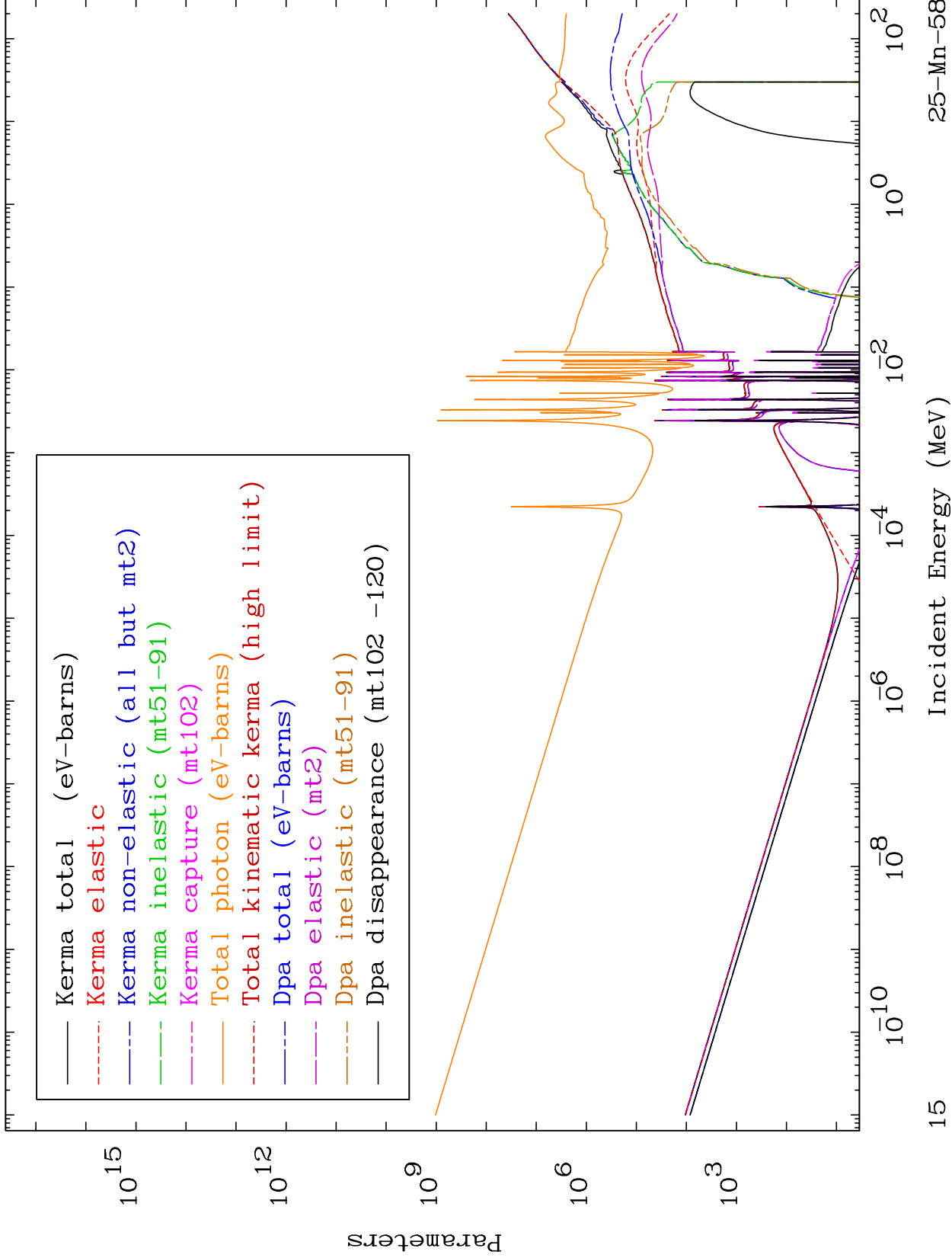
25-Mn-58

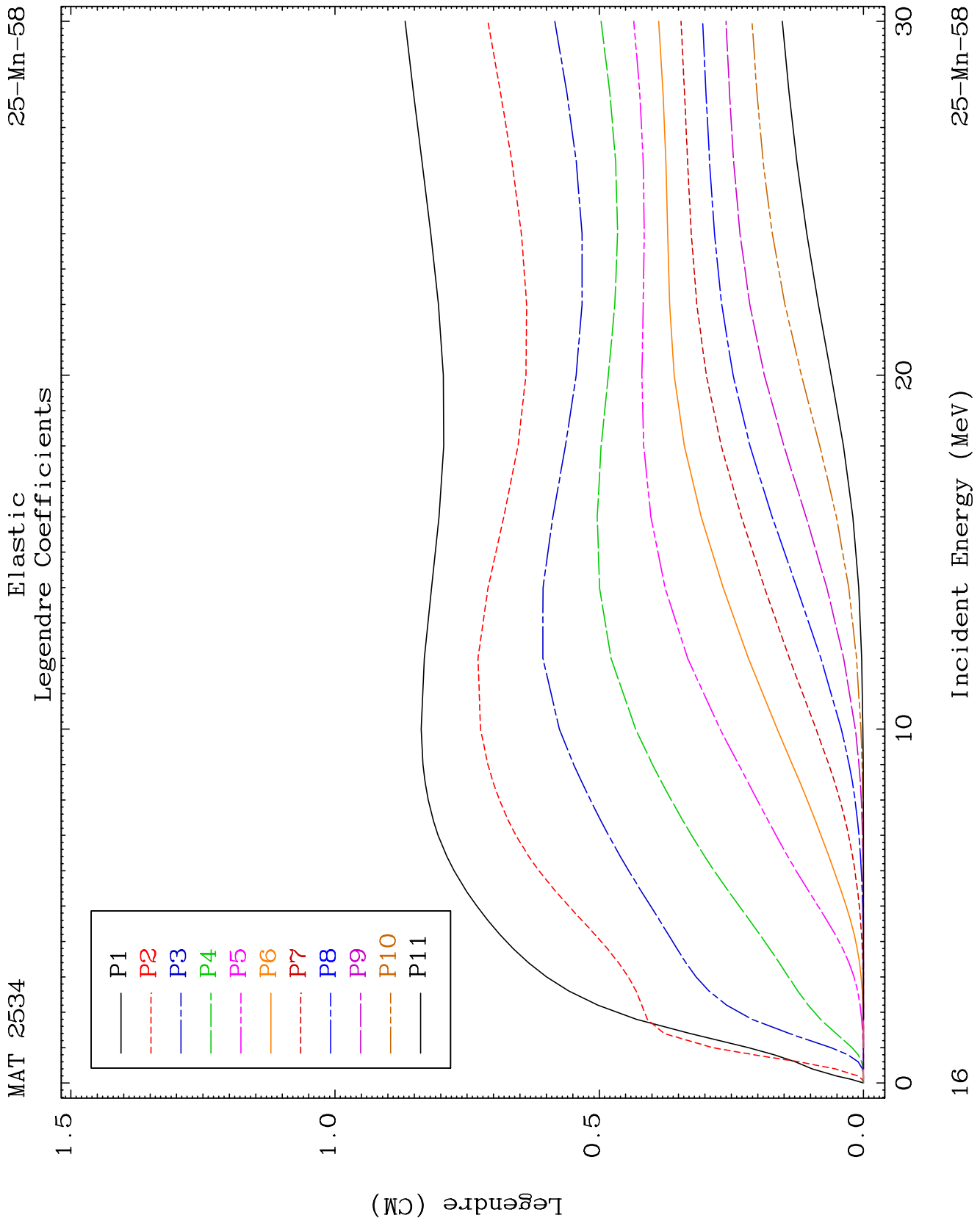


14

Incident Energy (MeV)

25-Mn-58

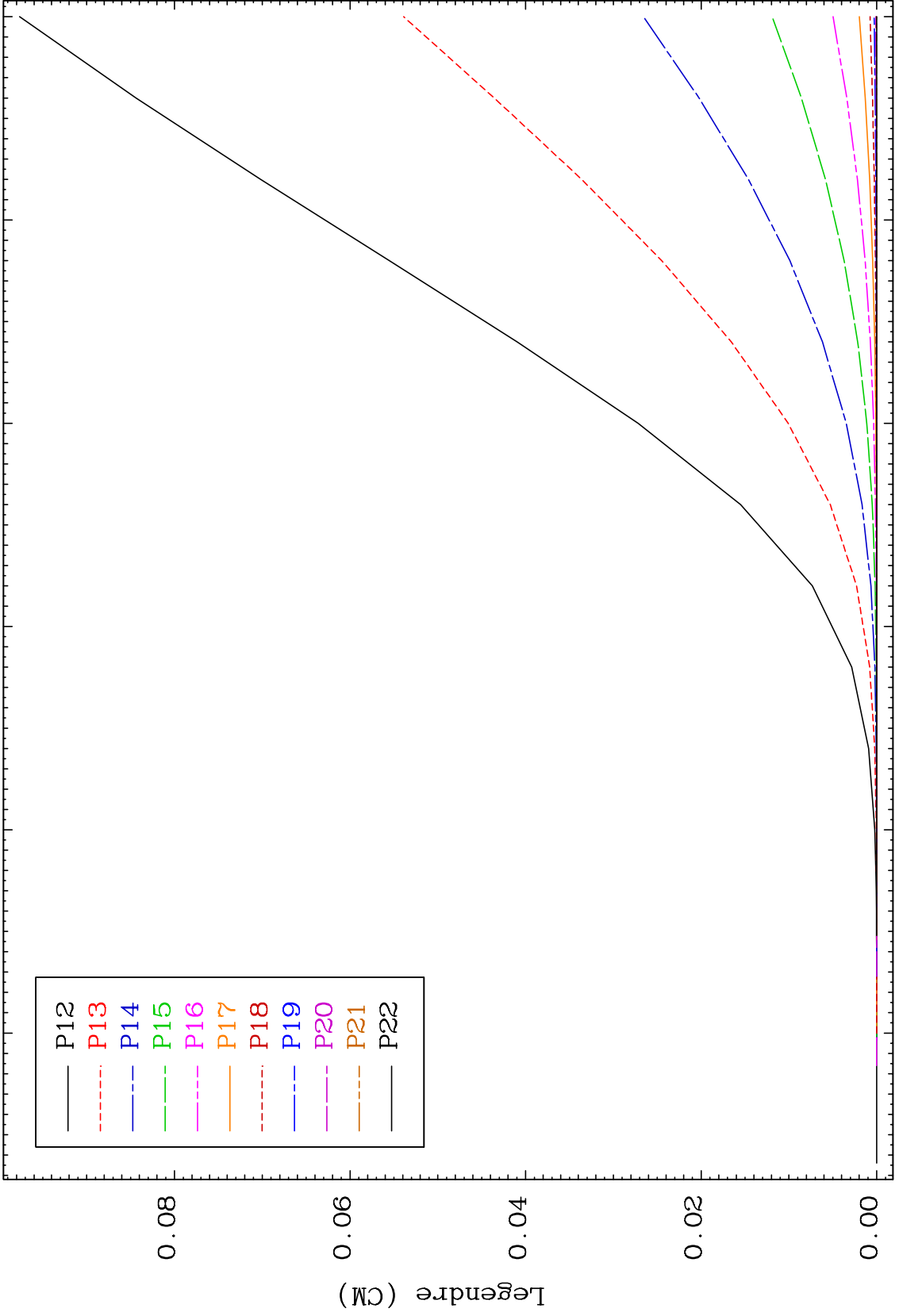




MAT 2534

Elastic
Legendre Coefficients

25-Mn-58



17

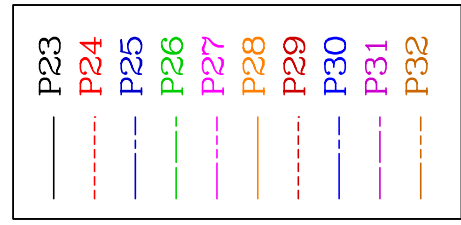
Incident Energy (MeV)

25-Mn-58

MAT 2534

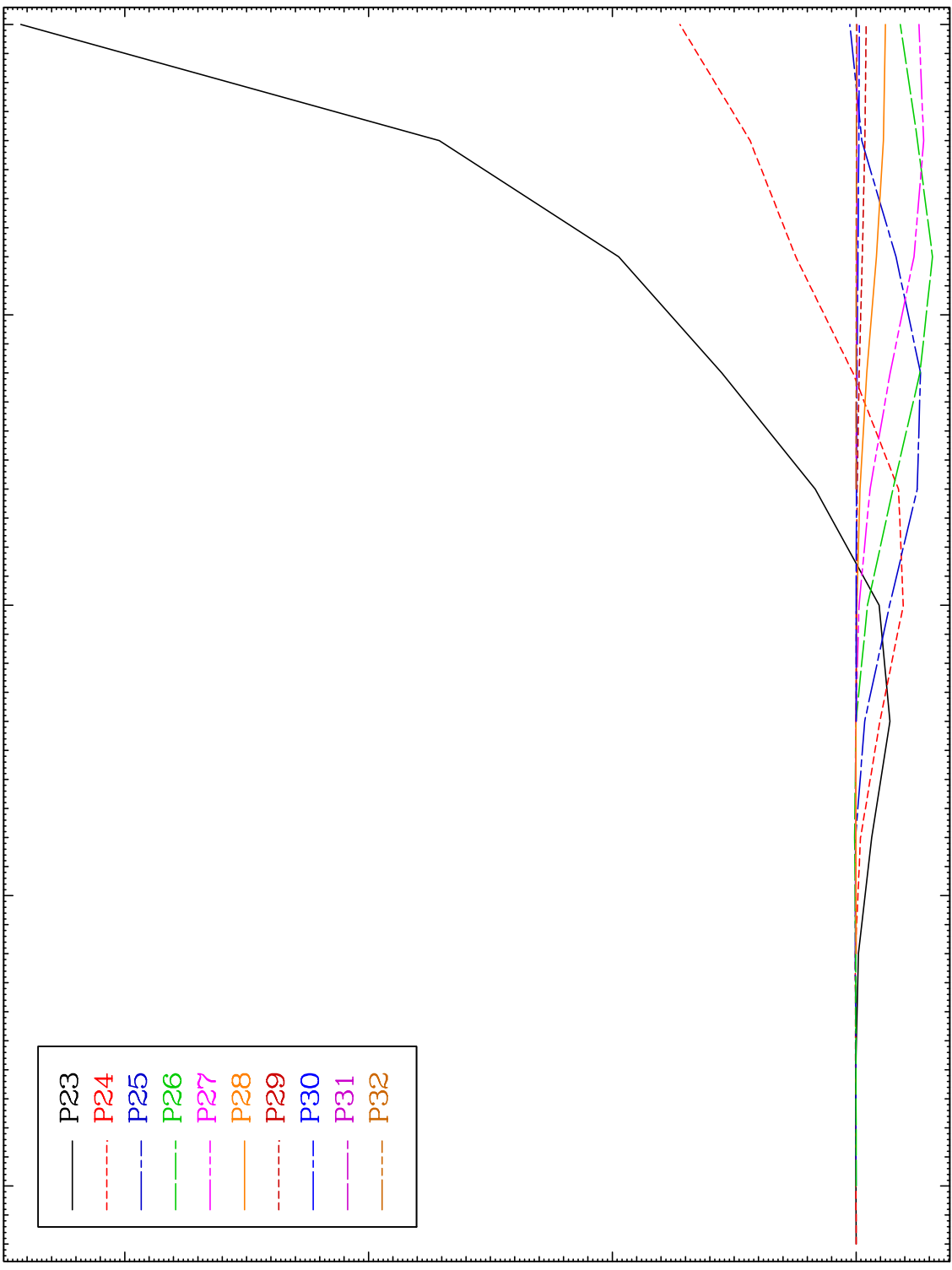
Elastic Legendre Coefficients

25-Mn-58



$\times 10^{-6}$

Legendre (CM)



18

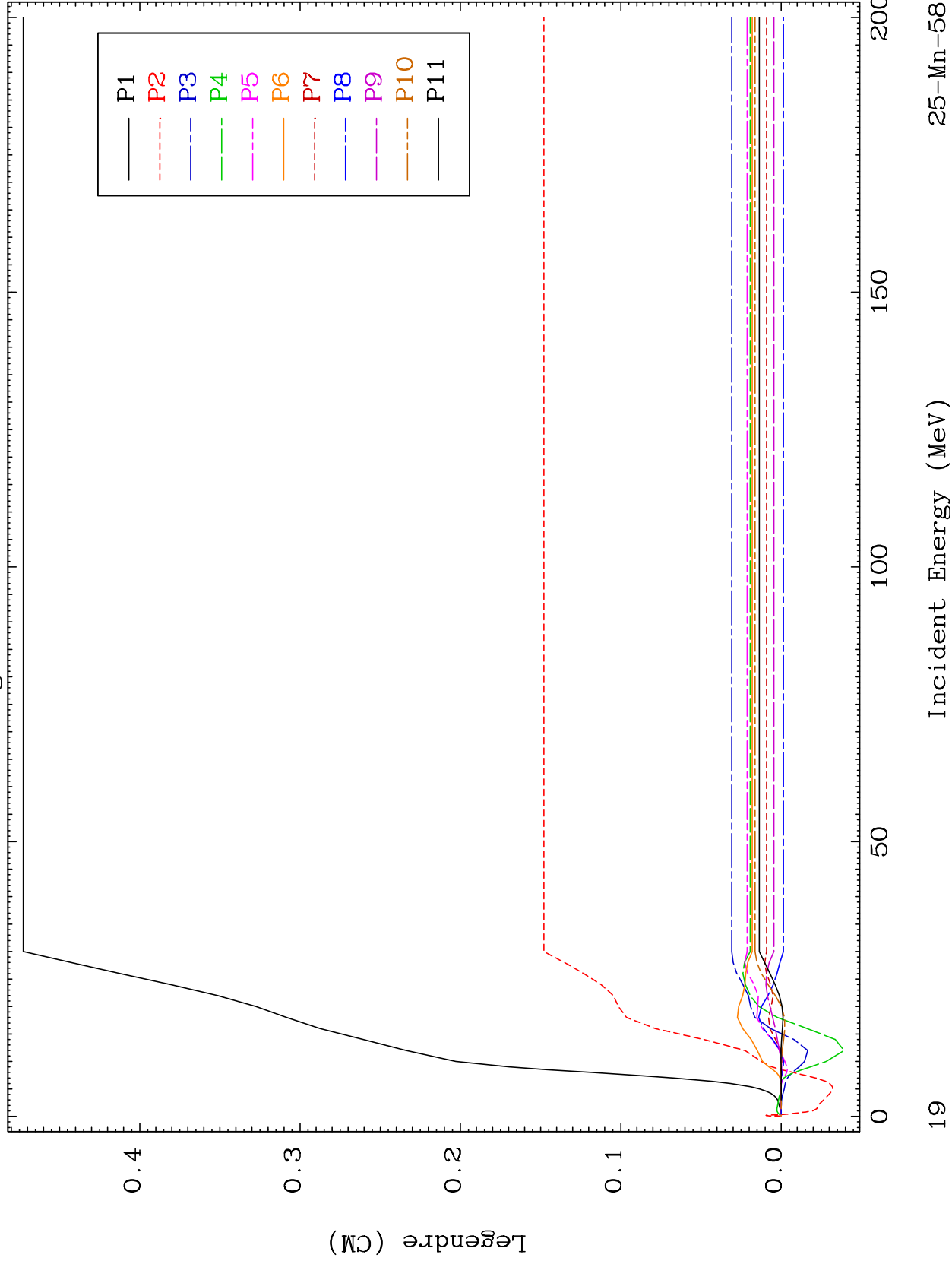
Incident Energy (MeV)

25-Mn-58

MAT 2534

71.77 keV (n,n') Level
Legendre Coefficients

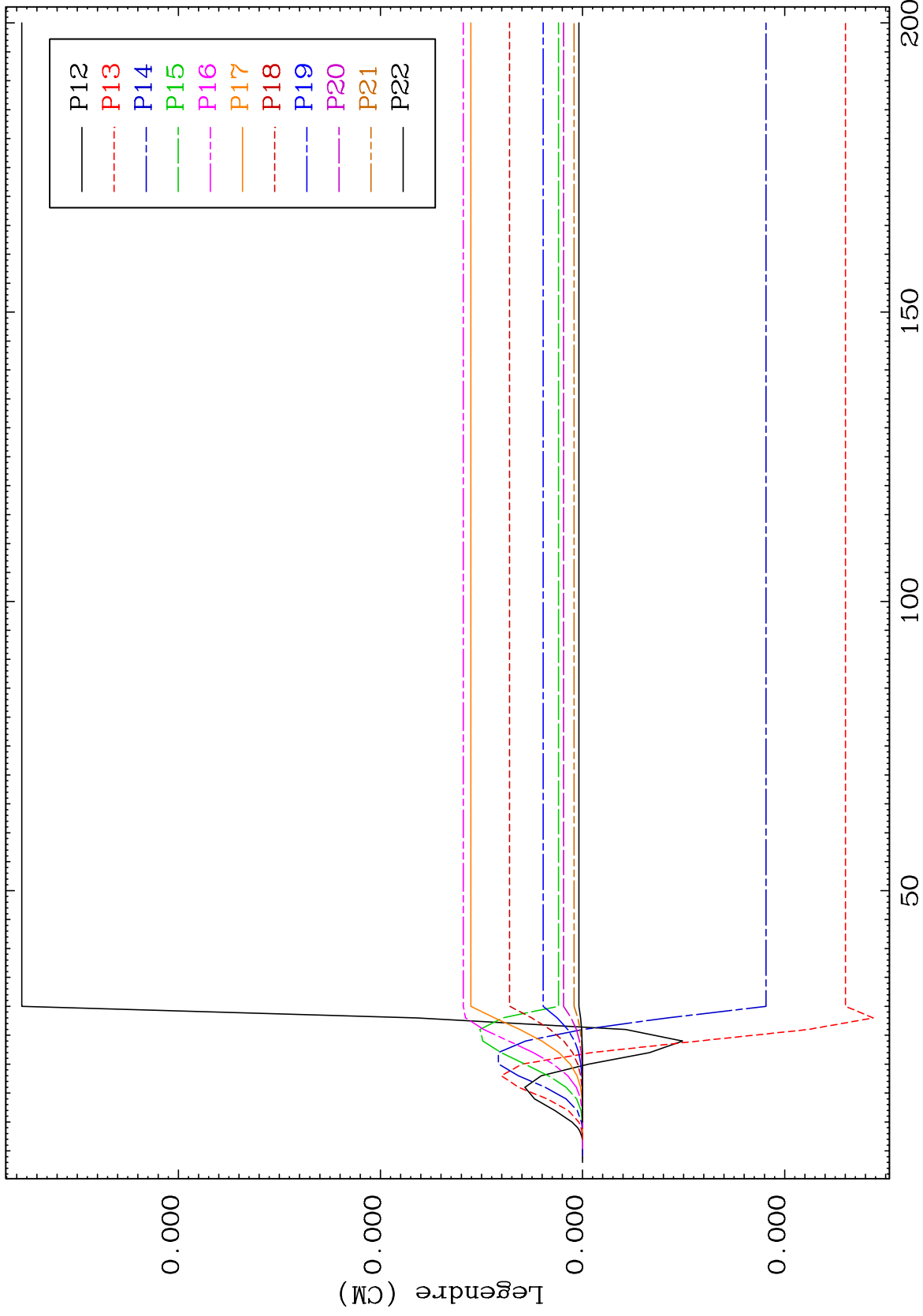
25-Mn-58



MAT 2534

71.77 keV (n,n') Level
Legendre Coefficients

25-Mn-58



20

Incident Energy (MeV)

50

100

150

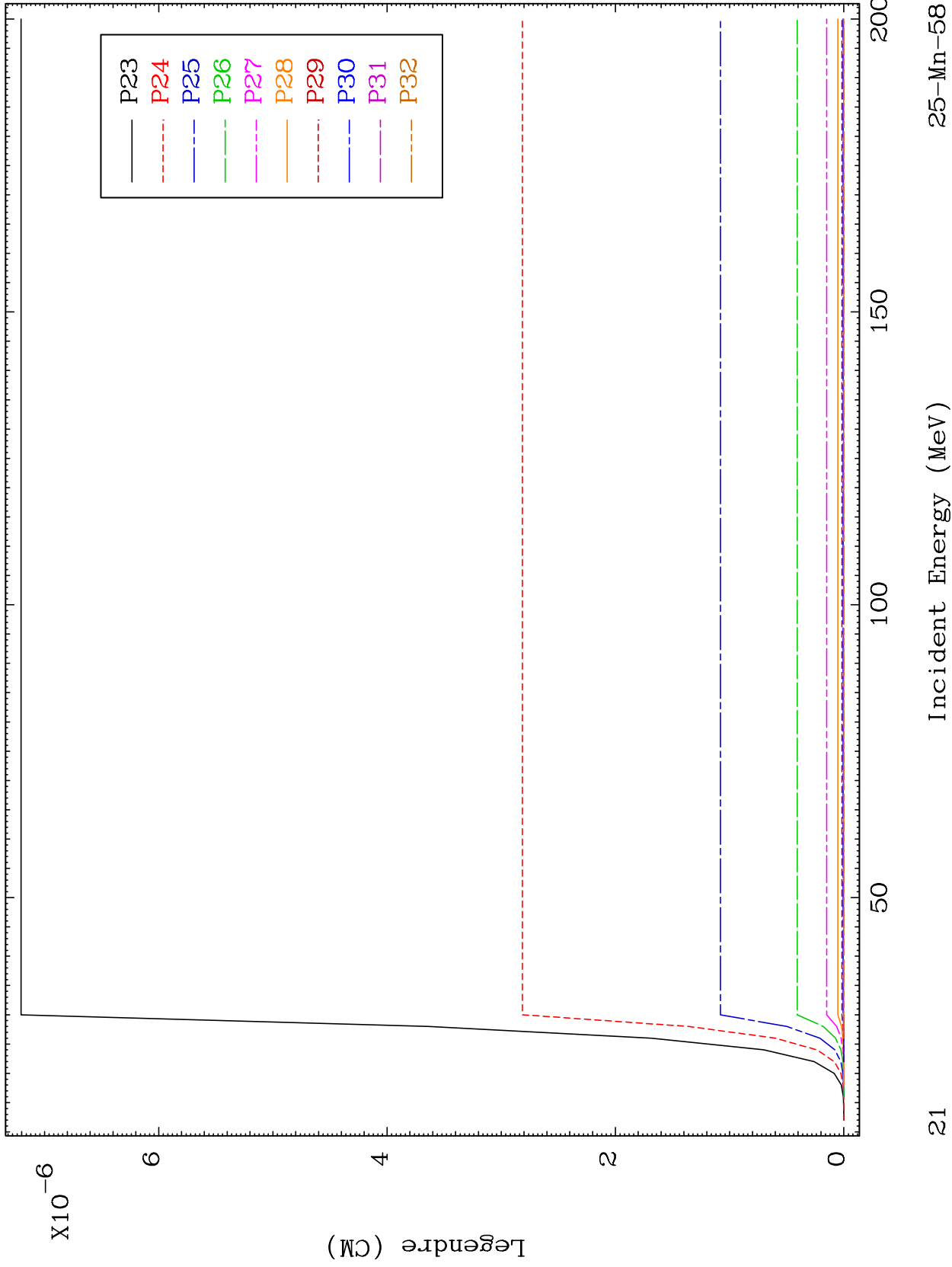
200

25-Mn-58

MAT 2534

71.77 keV (n,n') Level
Legendre Coefficients

25-Mn-58



21

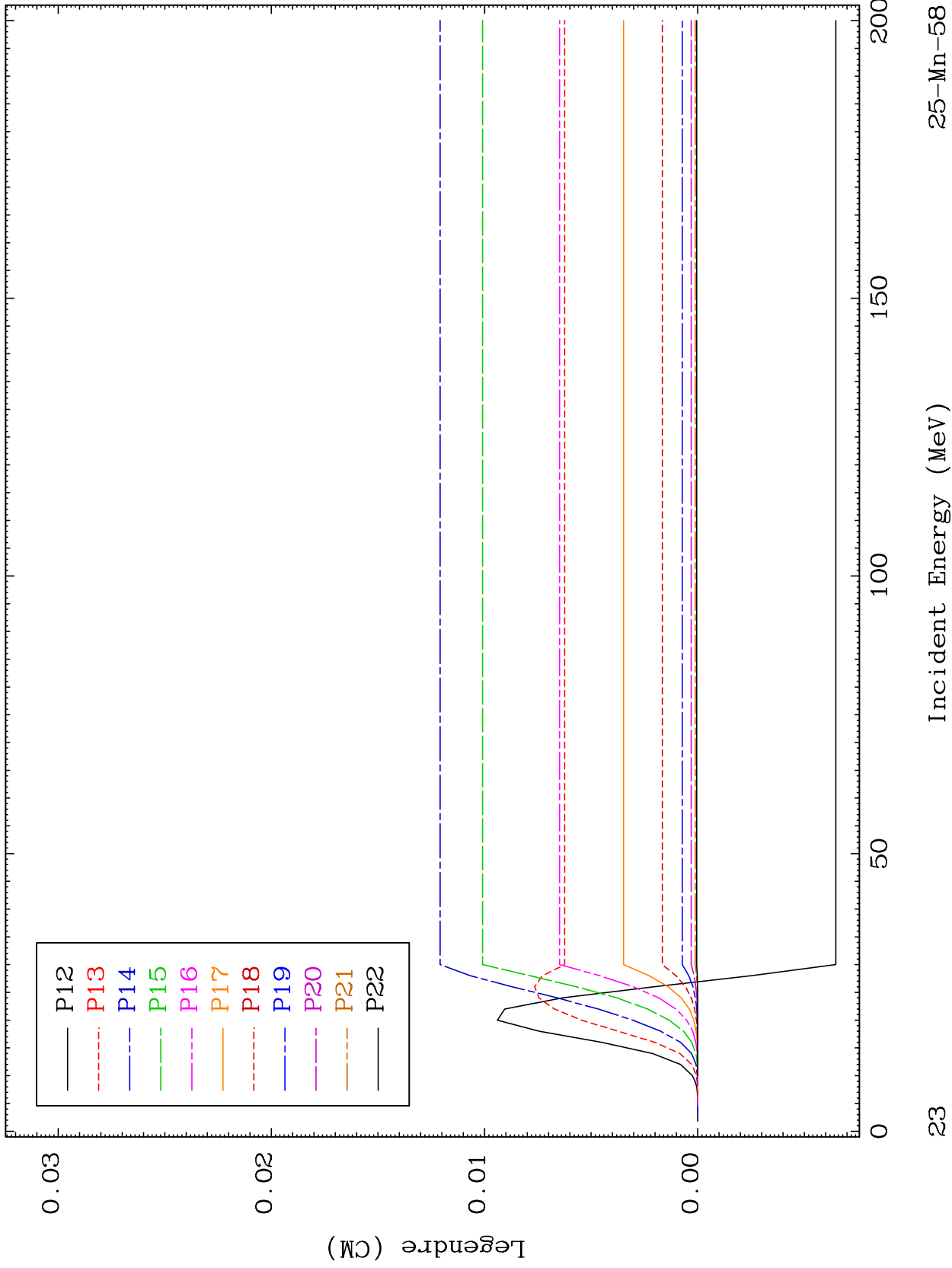
Incident Energy (MeV)

25-Mn-58

MAT 2534

125.7 keV (n,n') Level
Legendre Coefficients

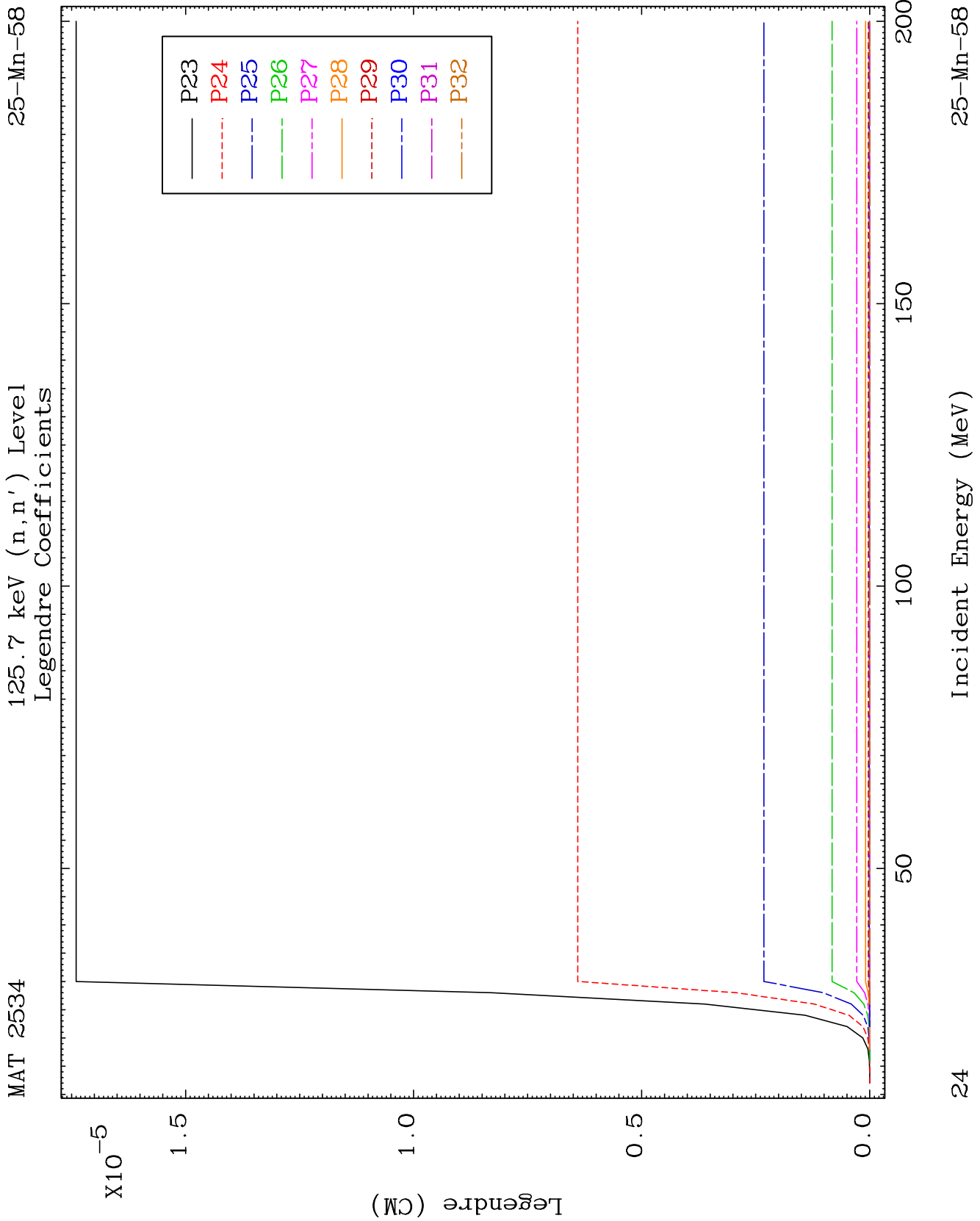
25-Mn-58

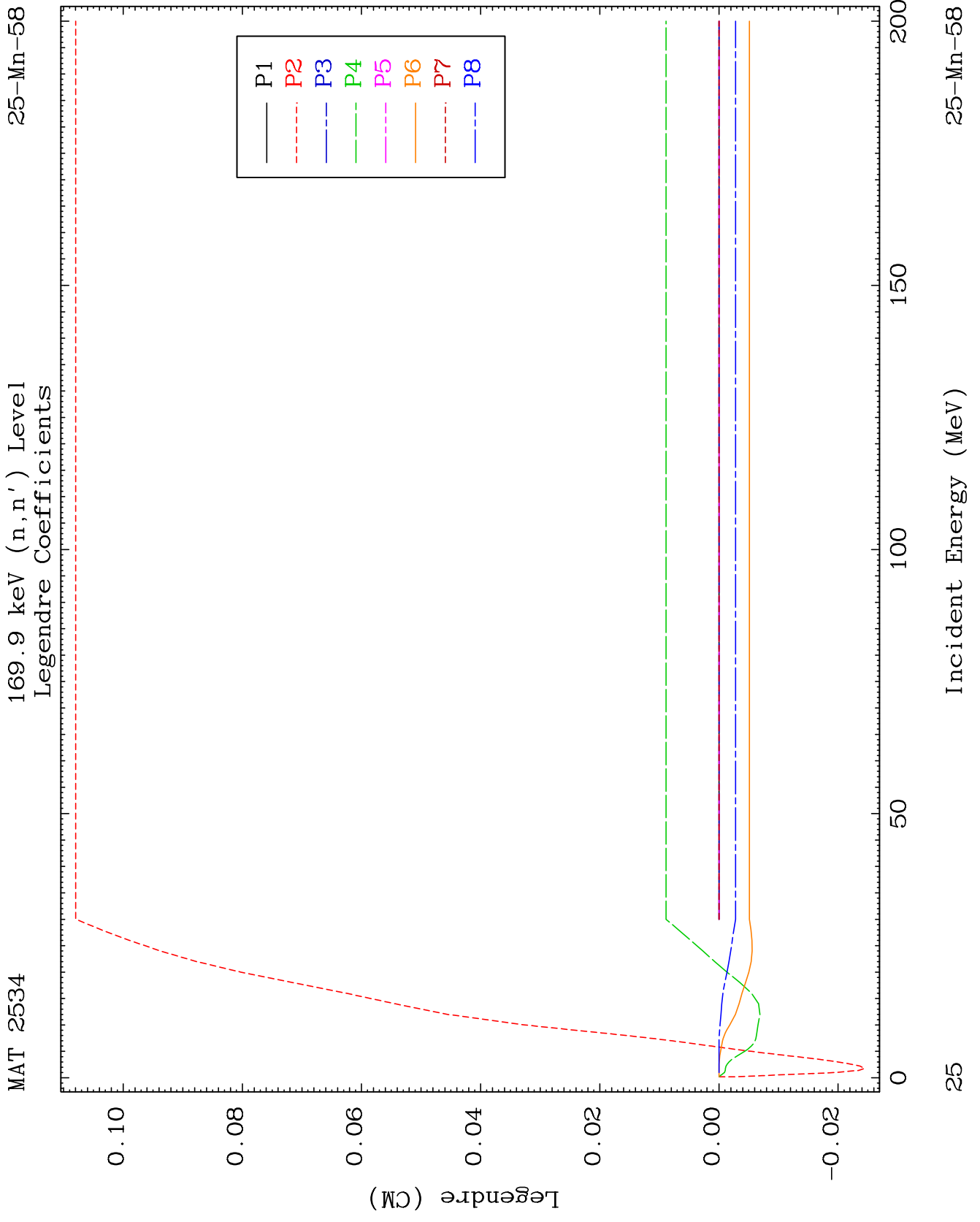


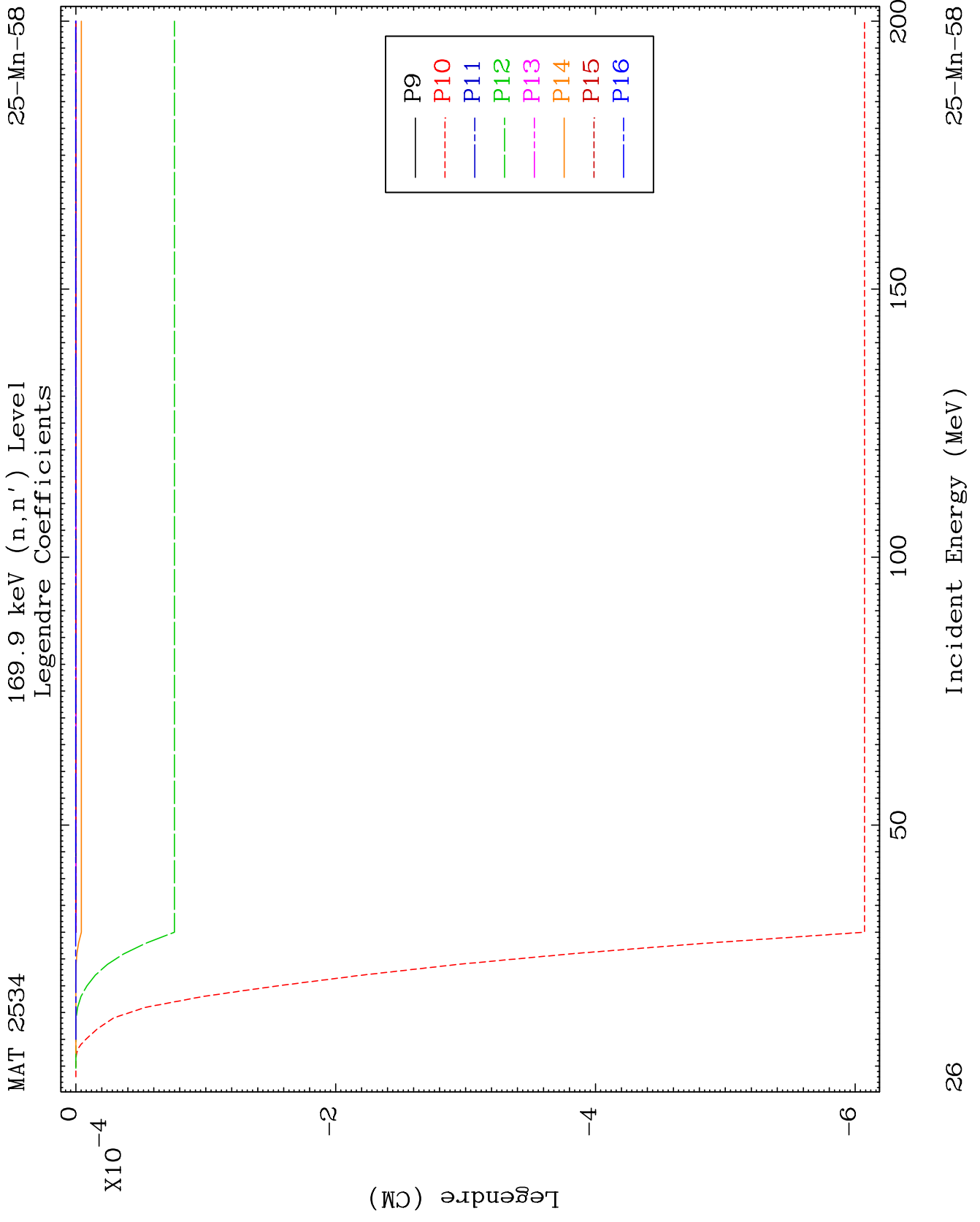
23

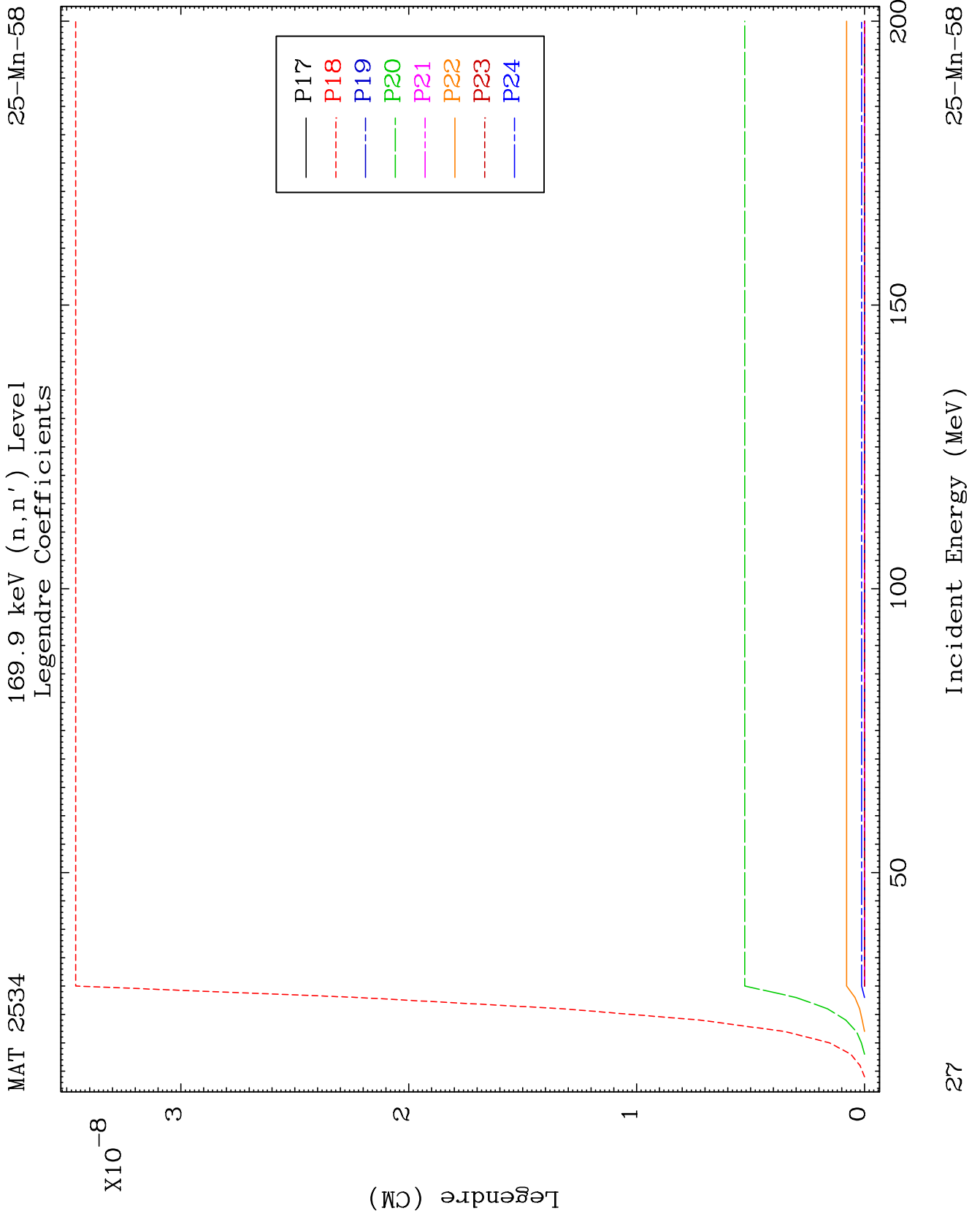
Incident Energy (MeV)

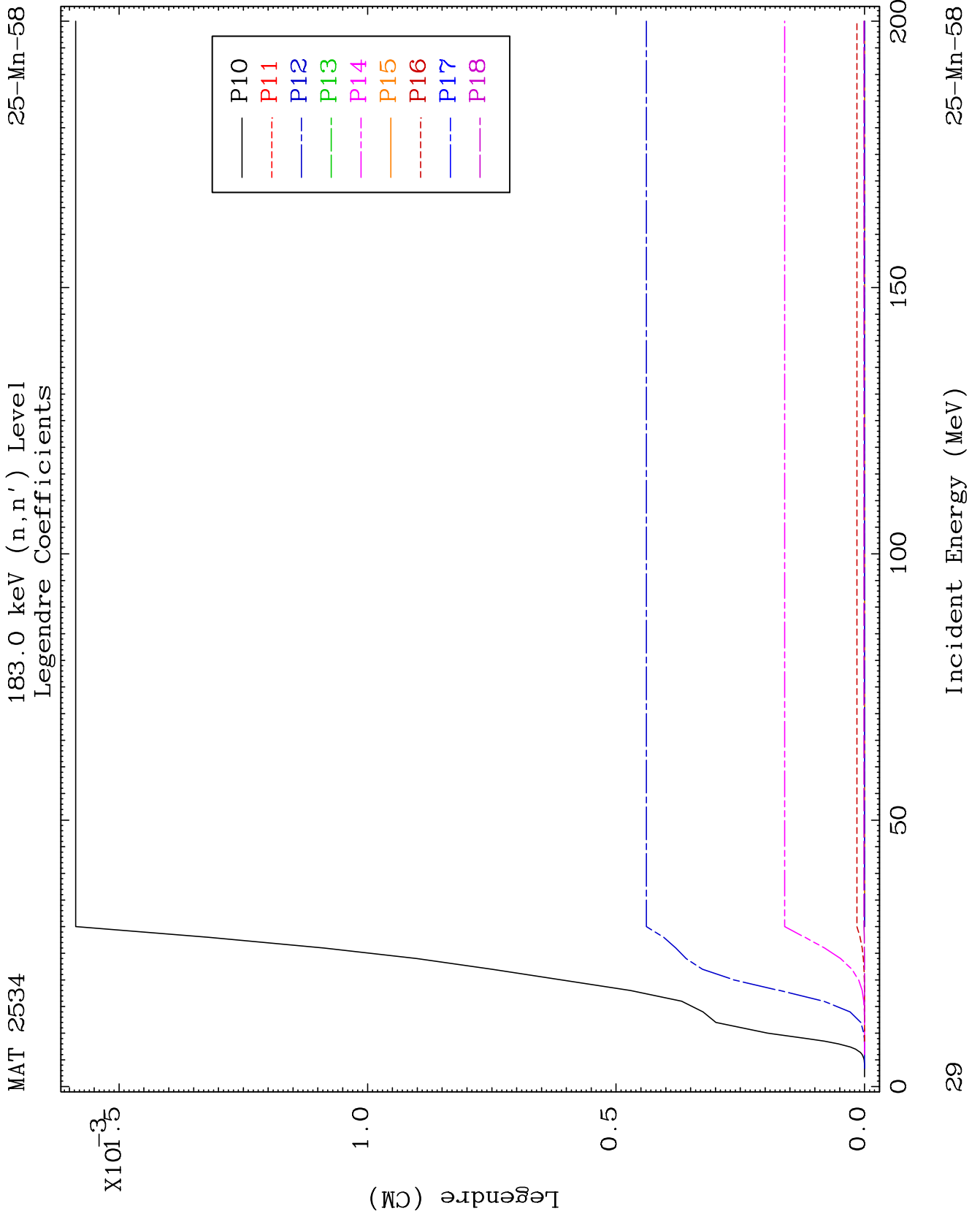
25-Mn-58

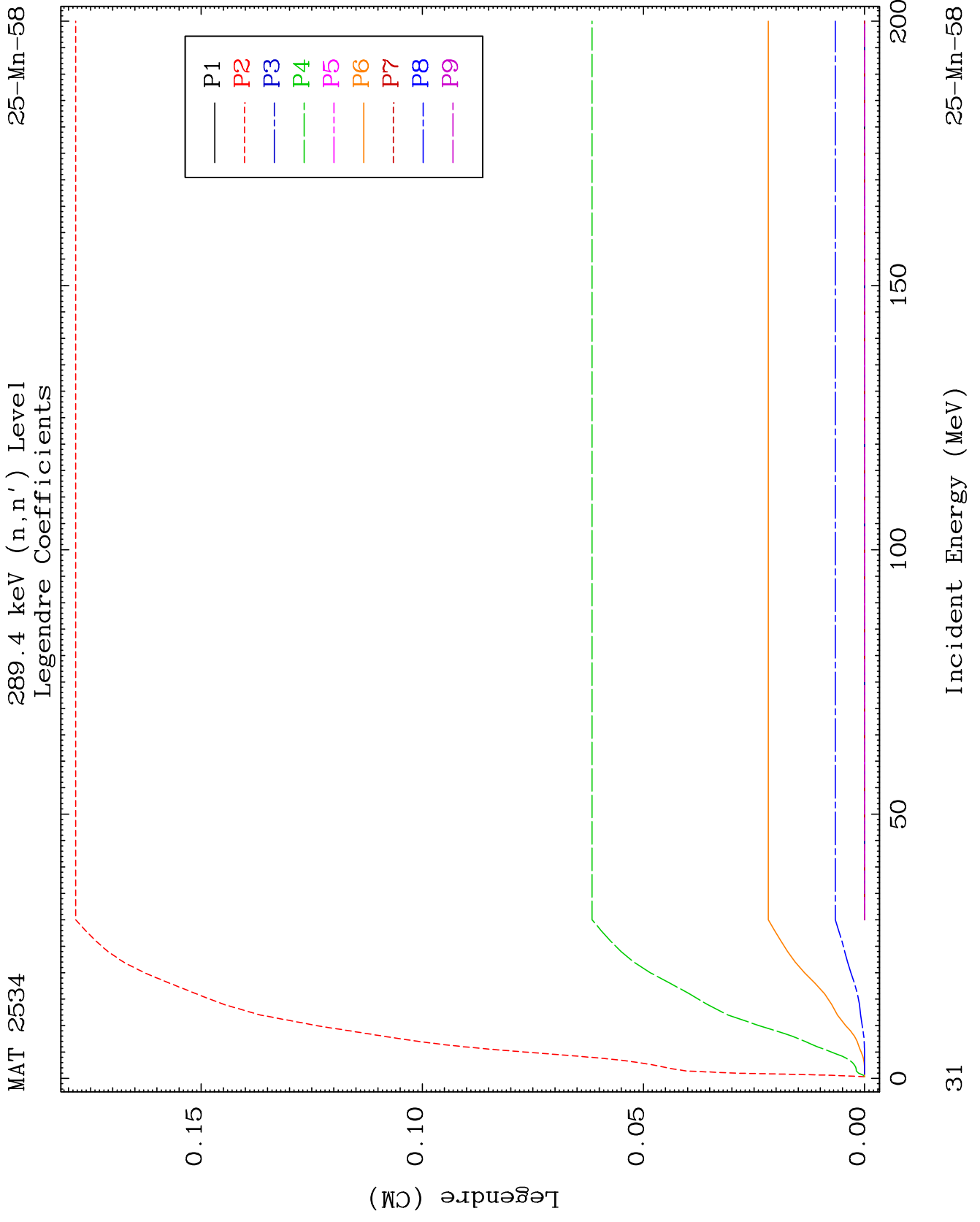








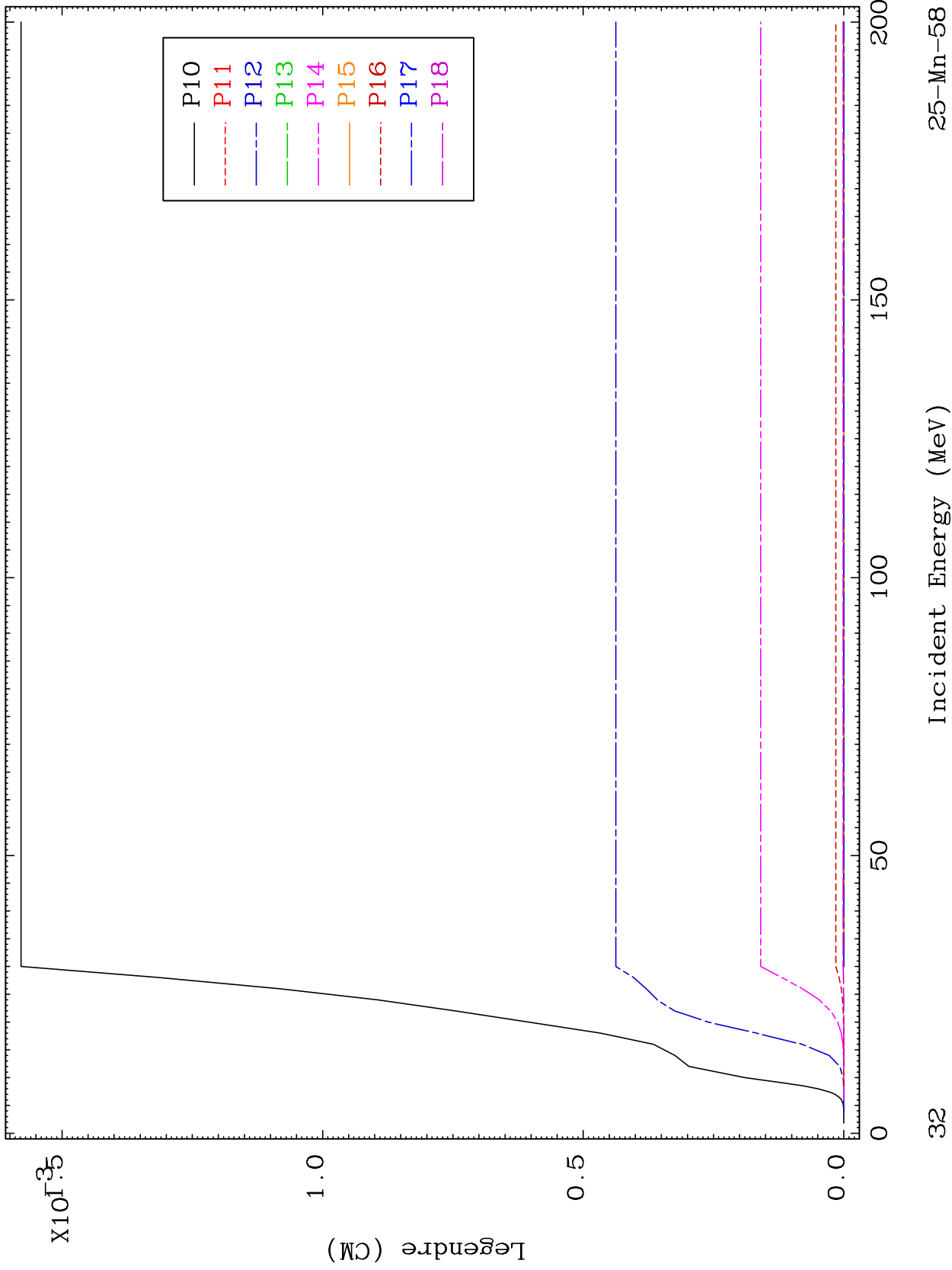


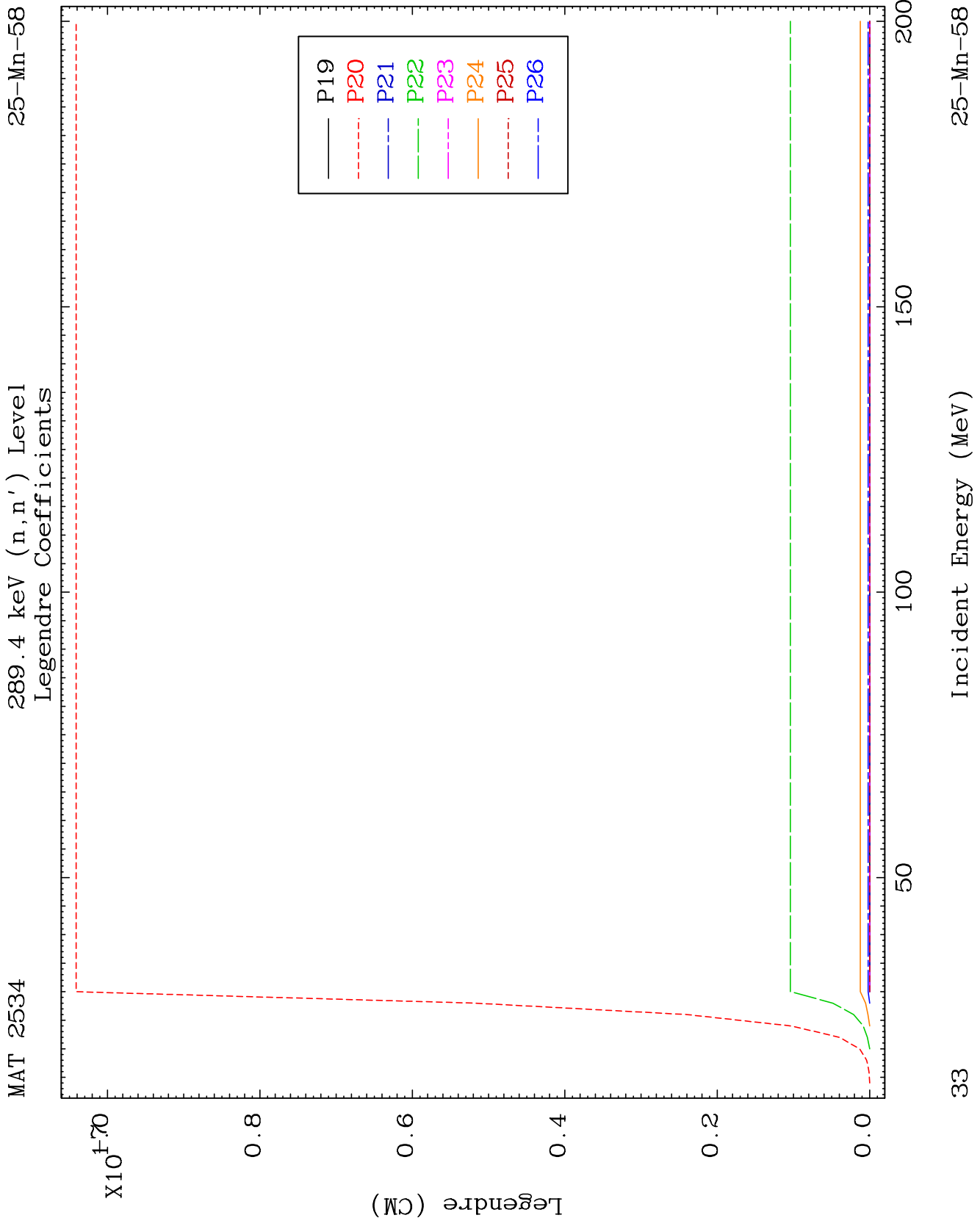


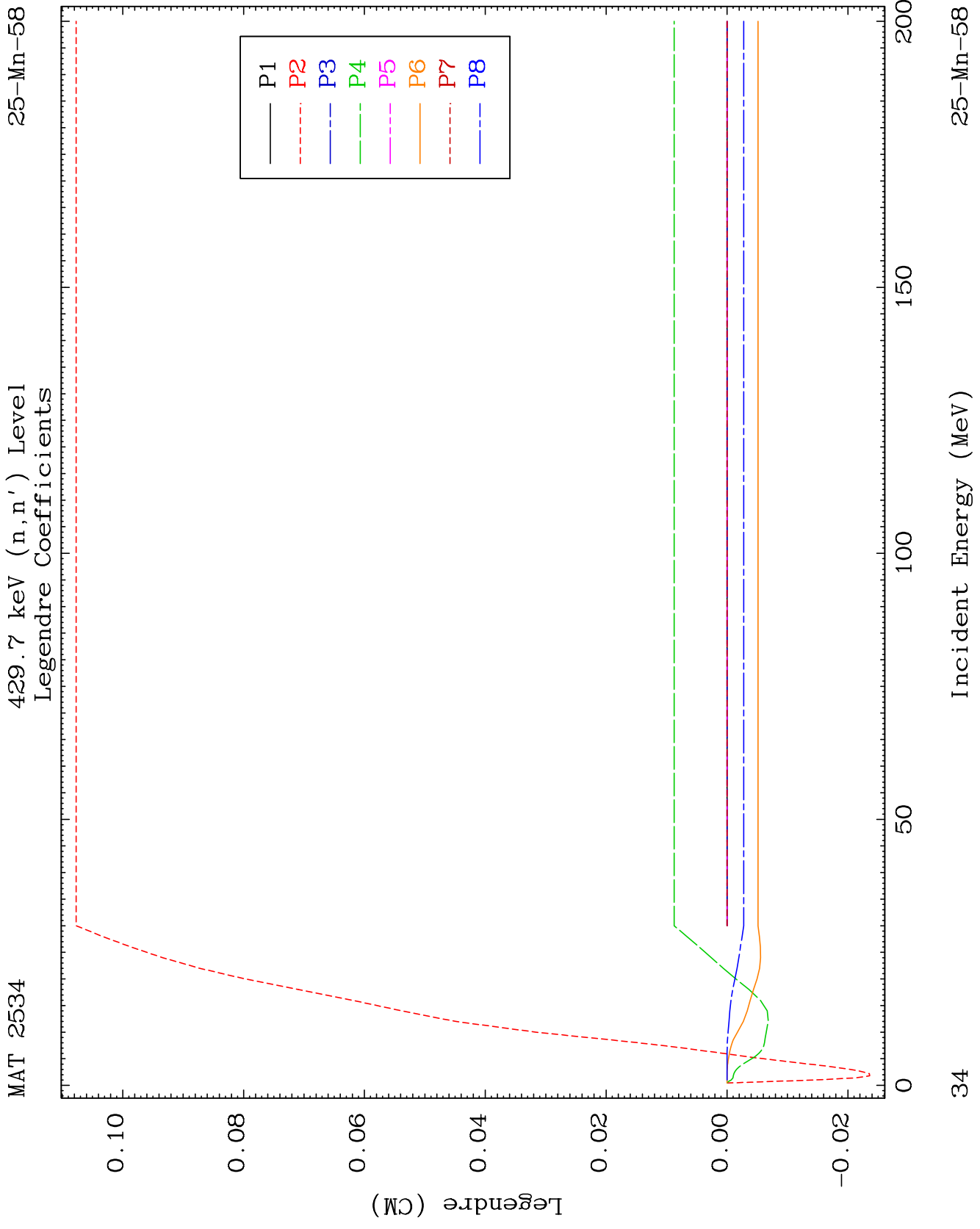
MAT 2534

289.4 keV (n,n') Level
Legendre Coefficients

25-Mn-58



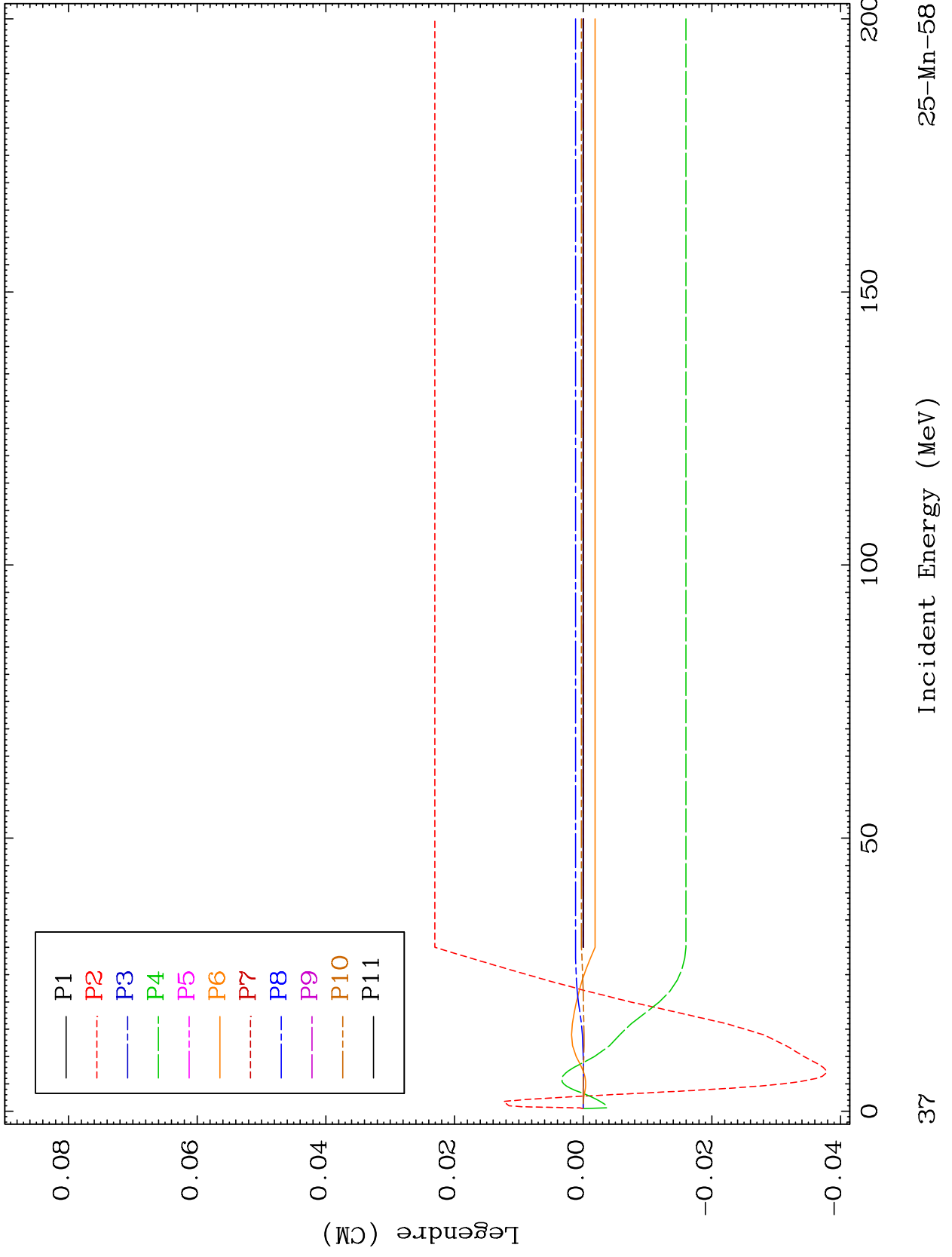




MAT 2534

448.0 keV (n,n') Level
Legendre Coefficients

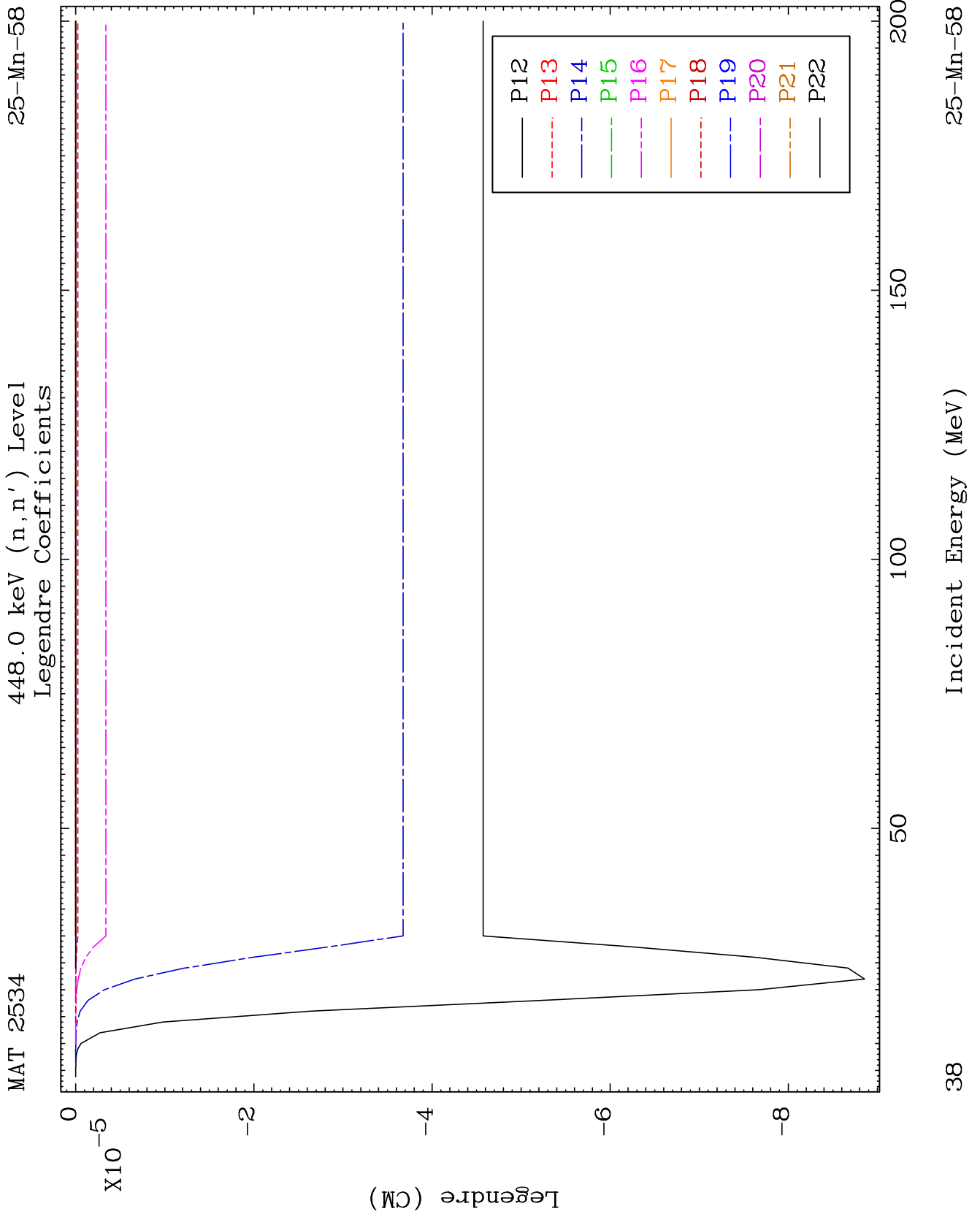
25-Mn-58

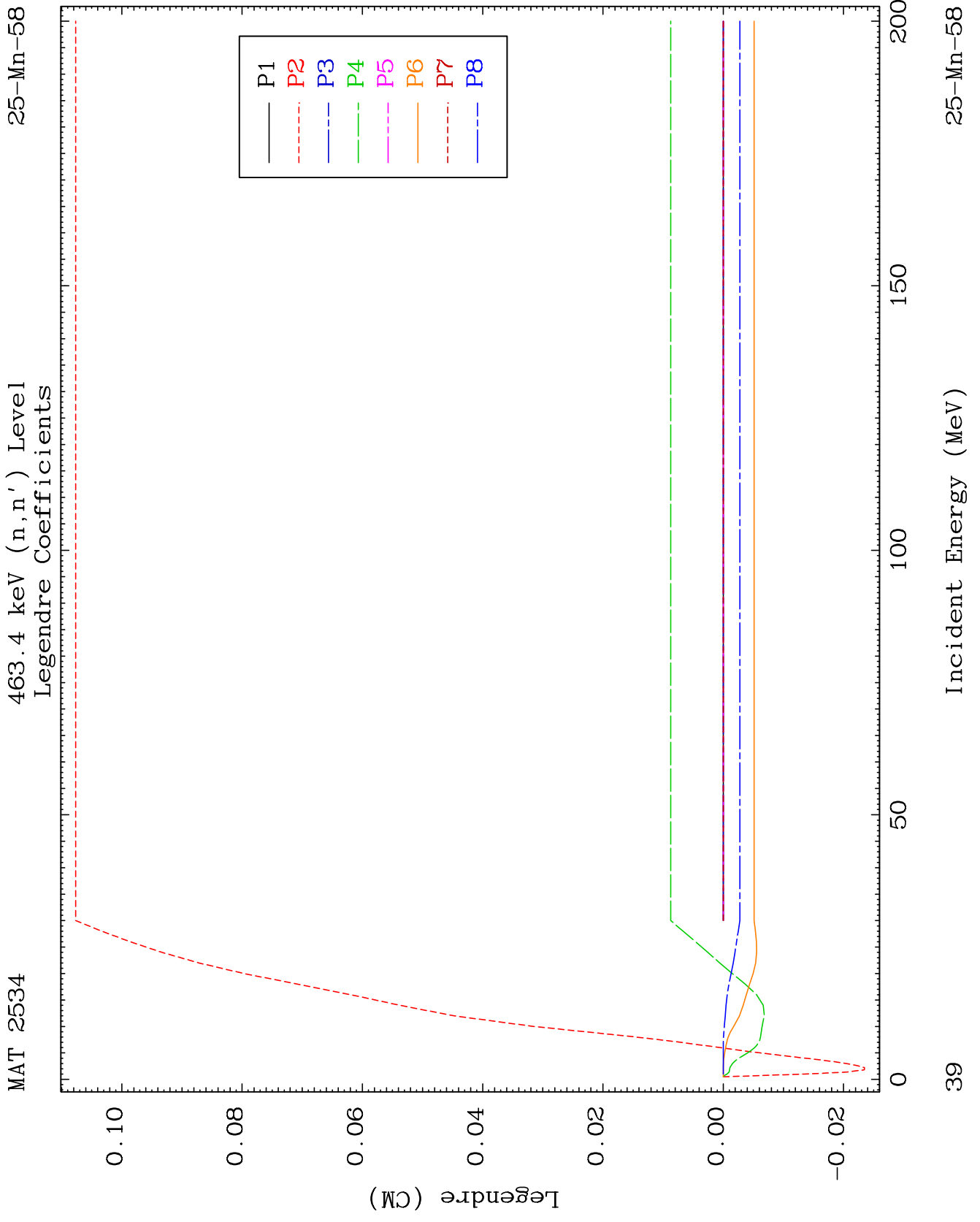


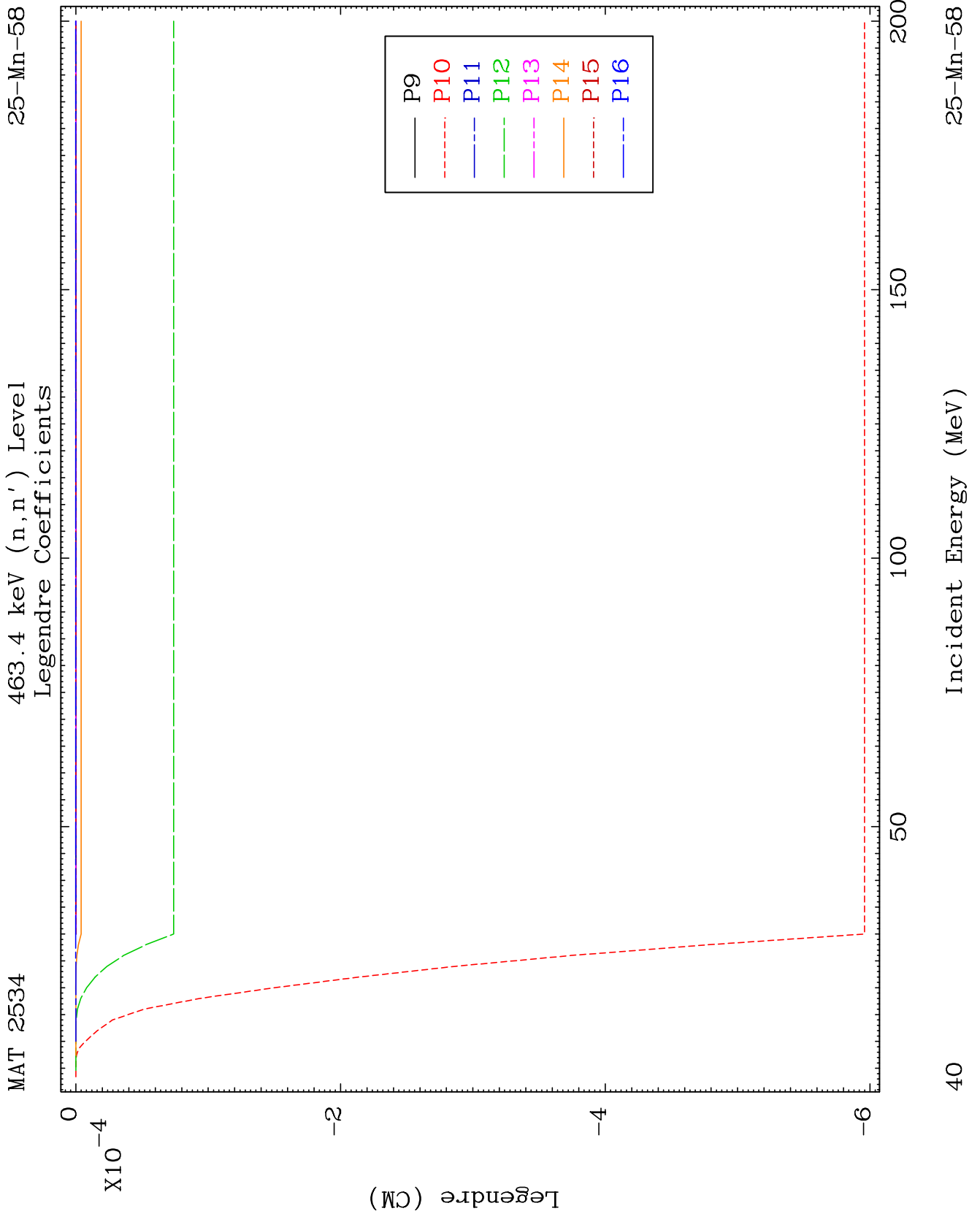
37

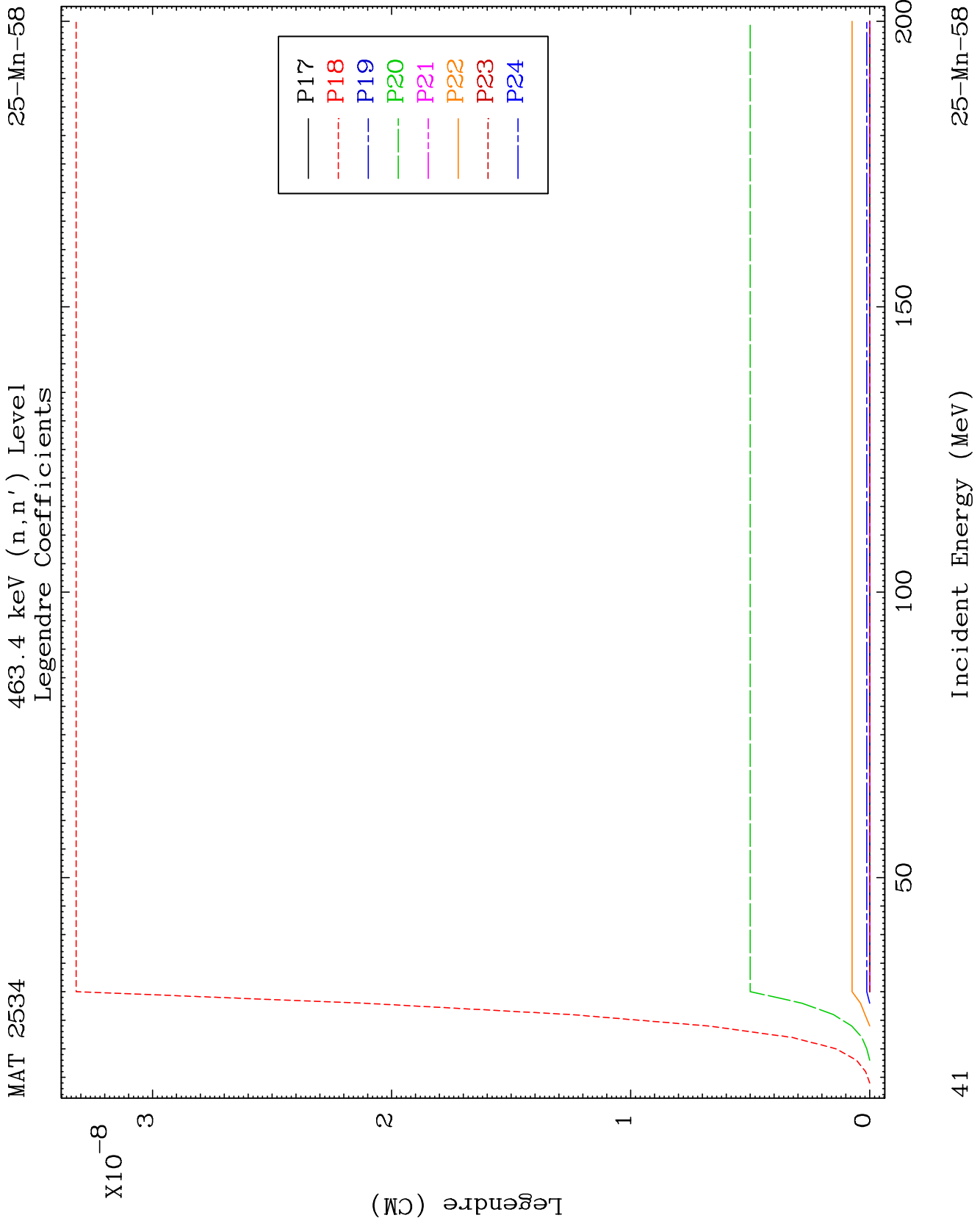
Incident Energy (MeV)

25-Mn-58





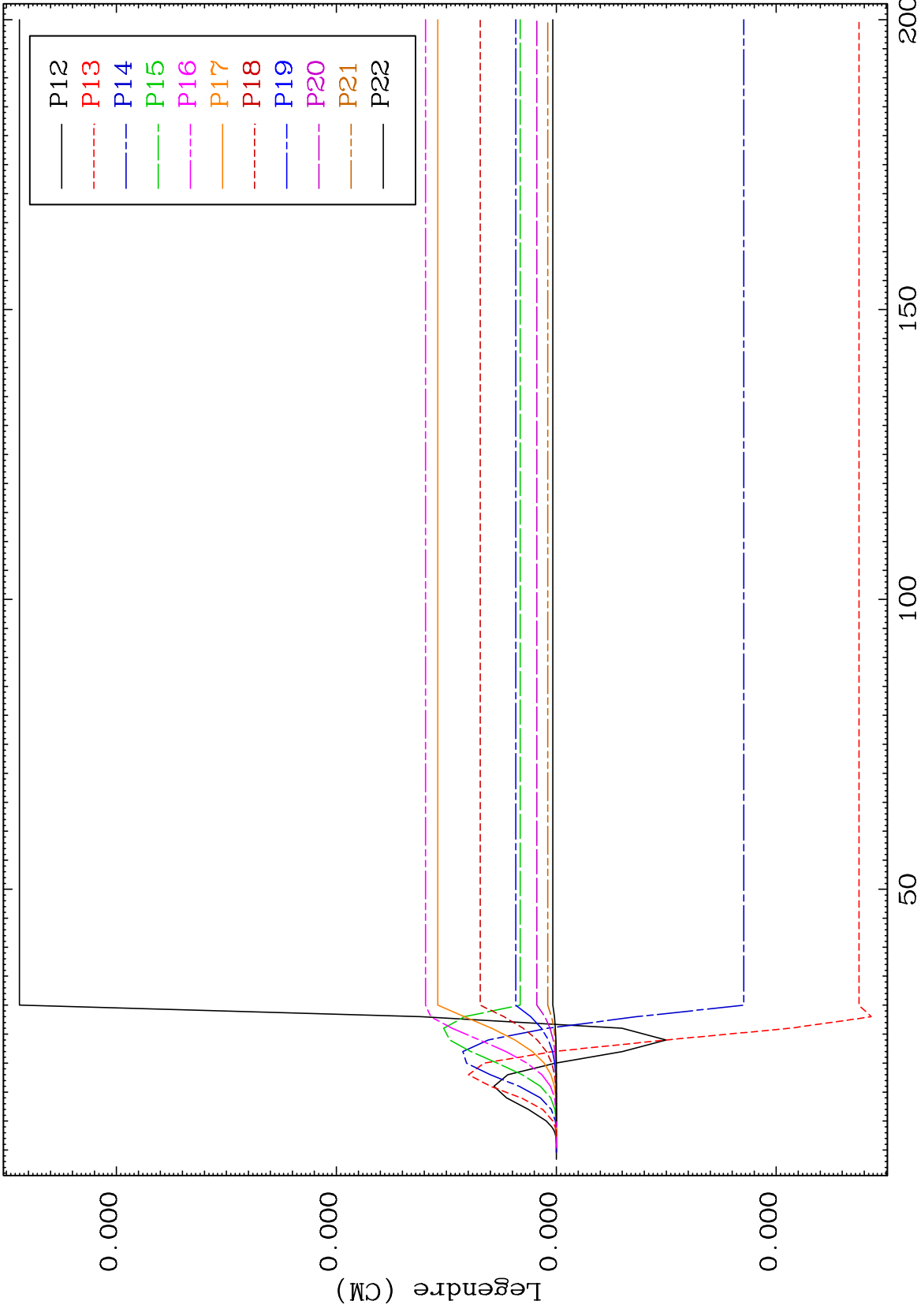




MAT 2534

591.2 keV (n,n') Level
Legendre Coefficients

25-Mn-58



43

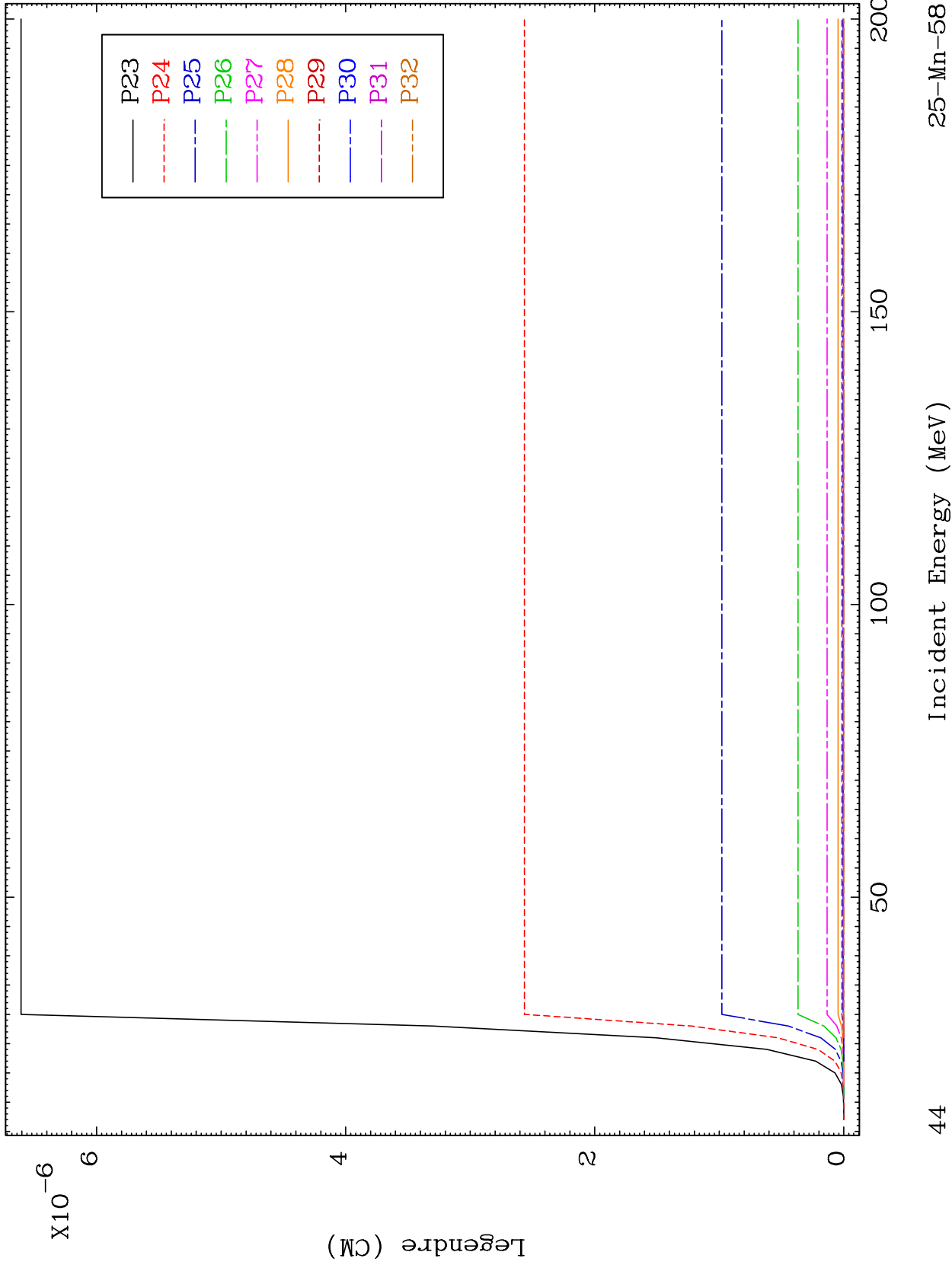
Incident Energy (MeV)

25-Mn-58

MAT 2534

591.2 keV (n,n') Level
Legendre Coefficients

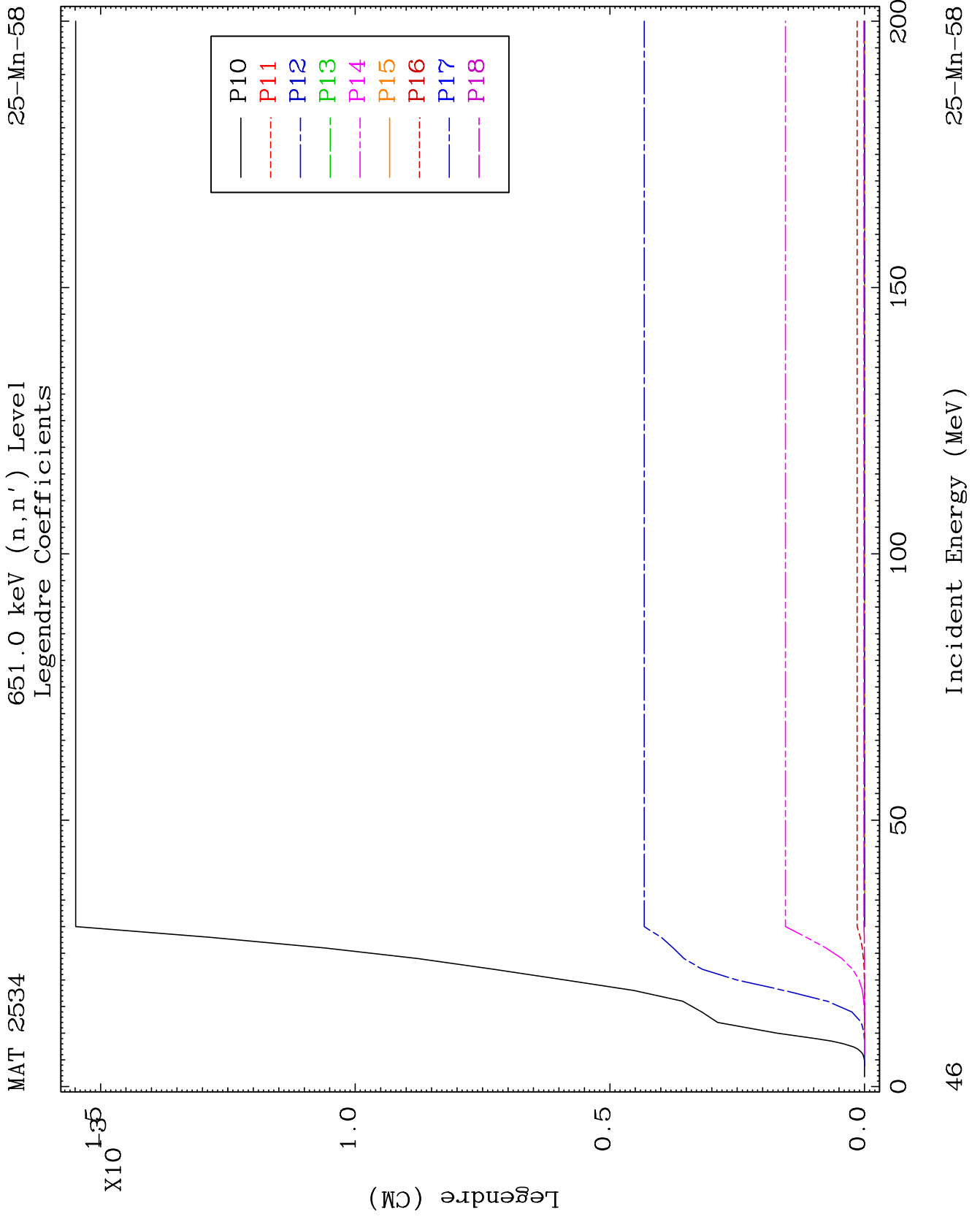
25-Mn-58



44

Incident Energy (MeV)

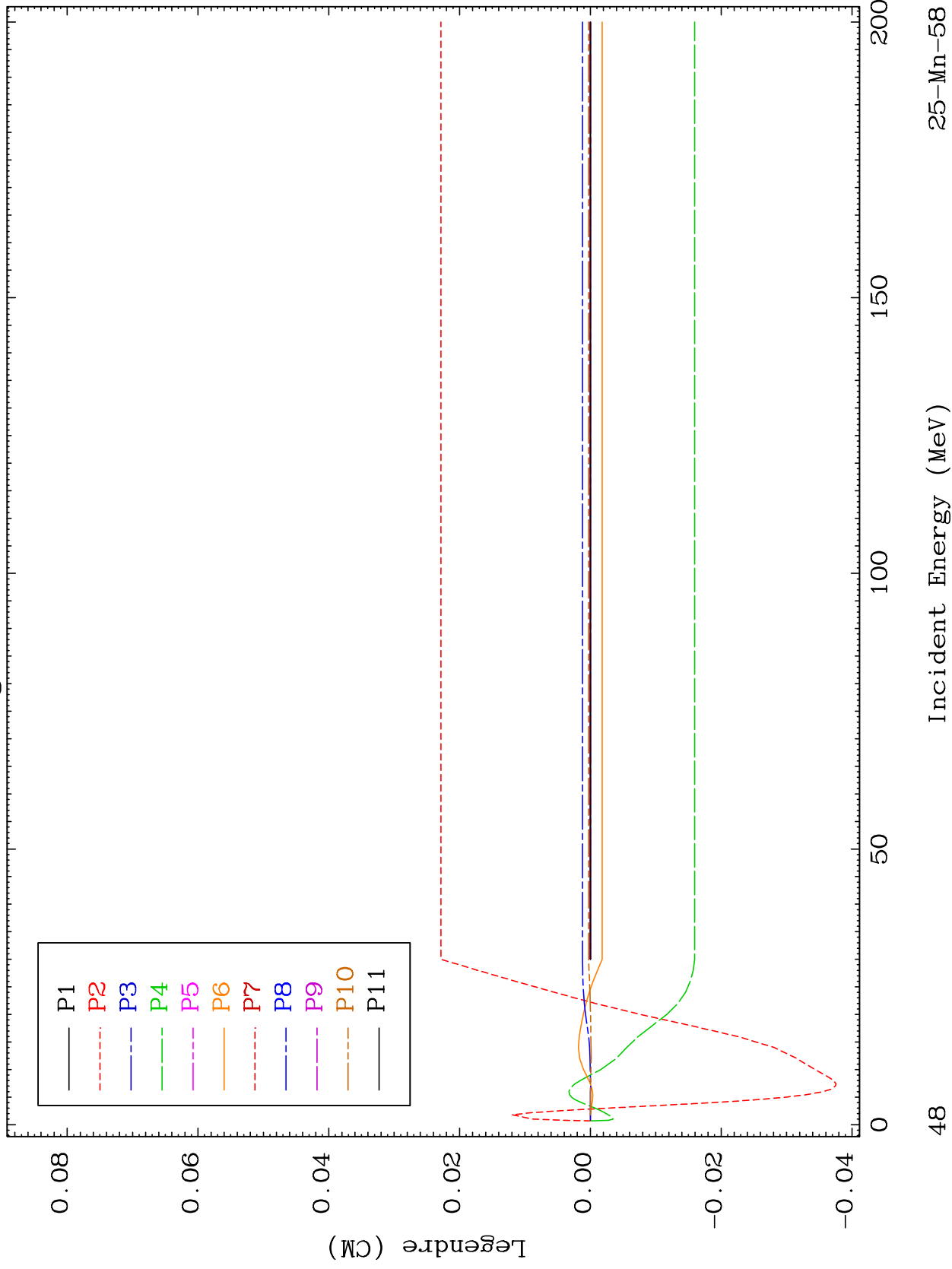
25-Mn-58



MAT 2534

661.1 keV (n,n') Level
Legendre Coefficients

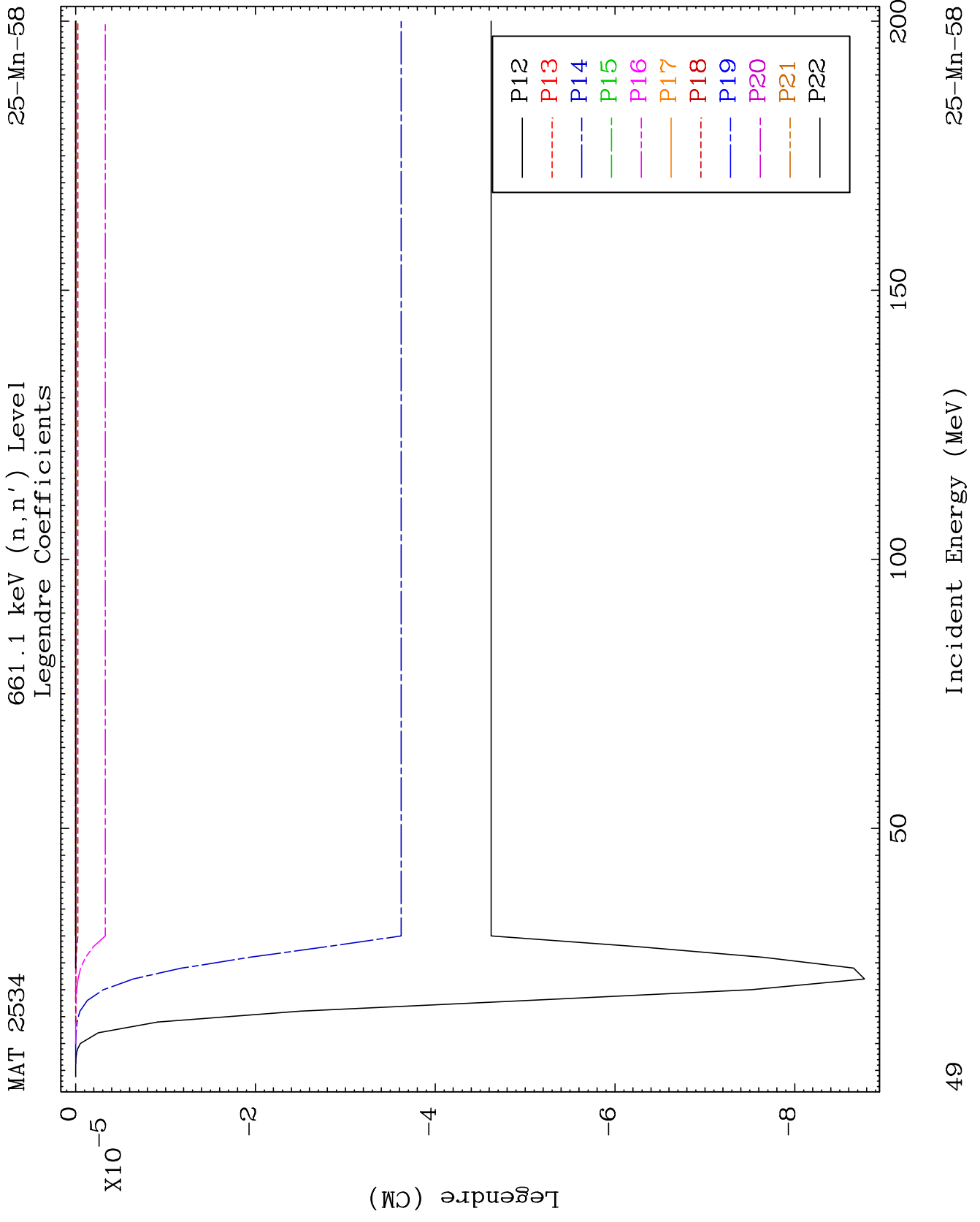
25-Mn-58



25-Mn-58

Incident Energy (MeV)

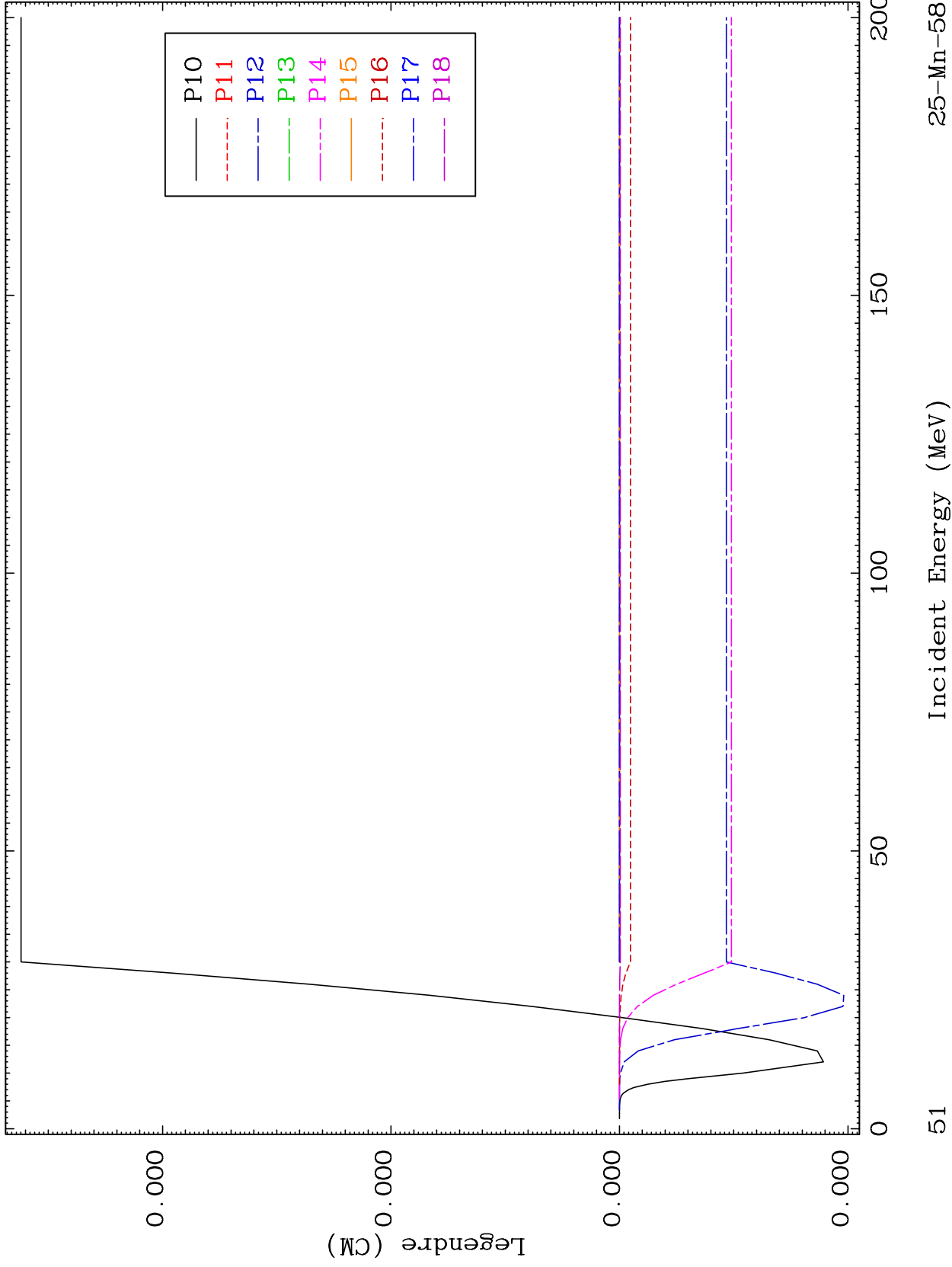
48



MAT 2534

683.1 keV (n,n') Level
Legendre Coefficients

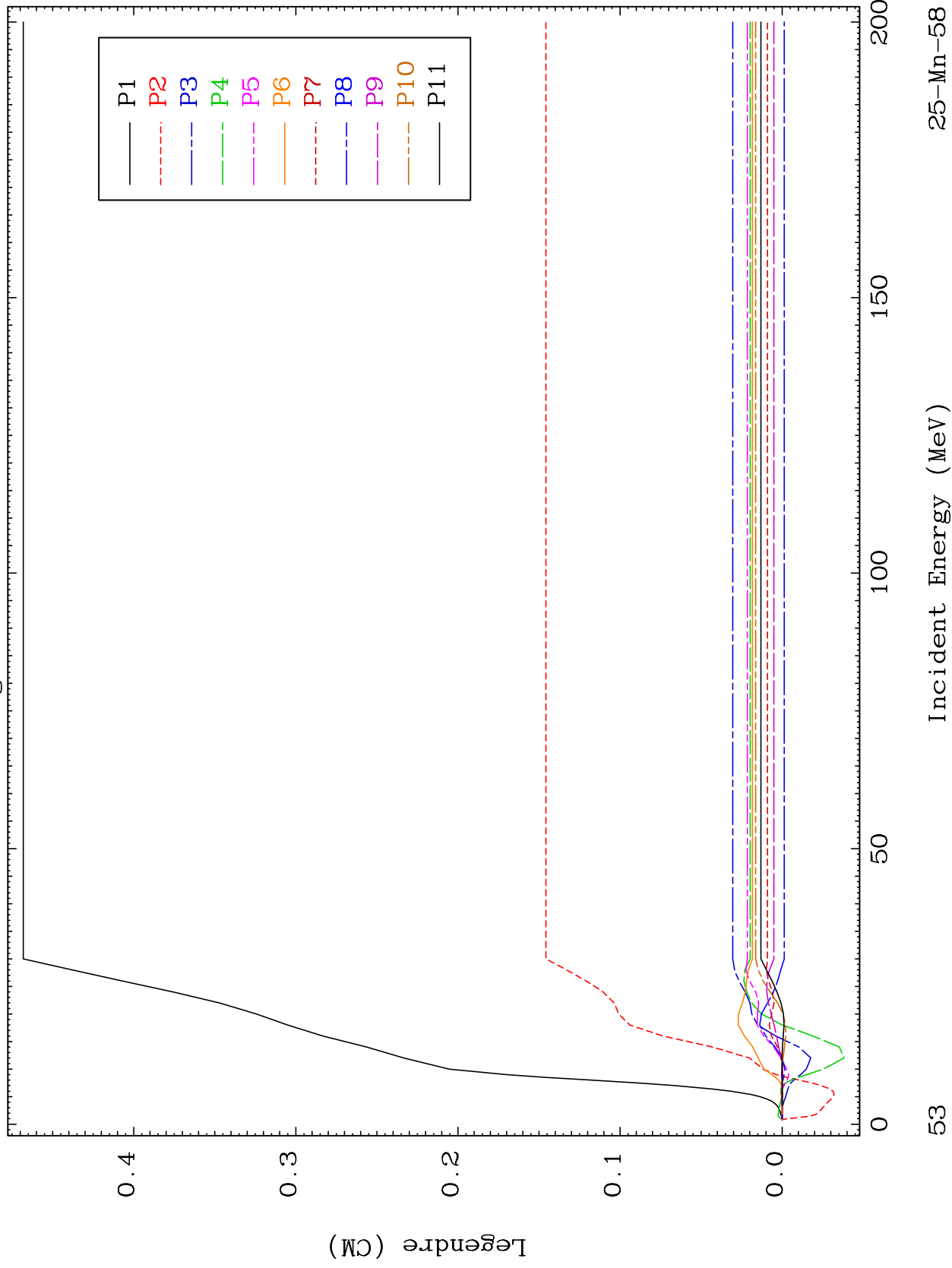
25-Mn-58



MAT 2534

735.4 keV (n,n') Level
Legendre Coefficients

25-Mn-58



25-Mn-58

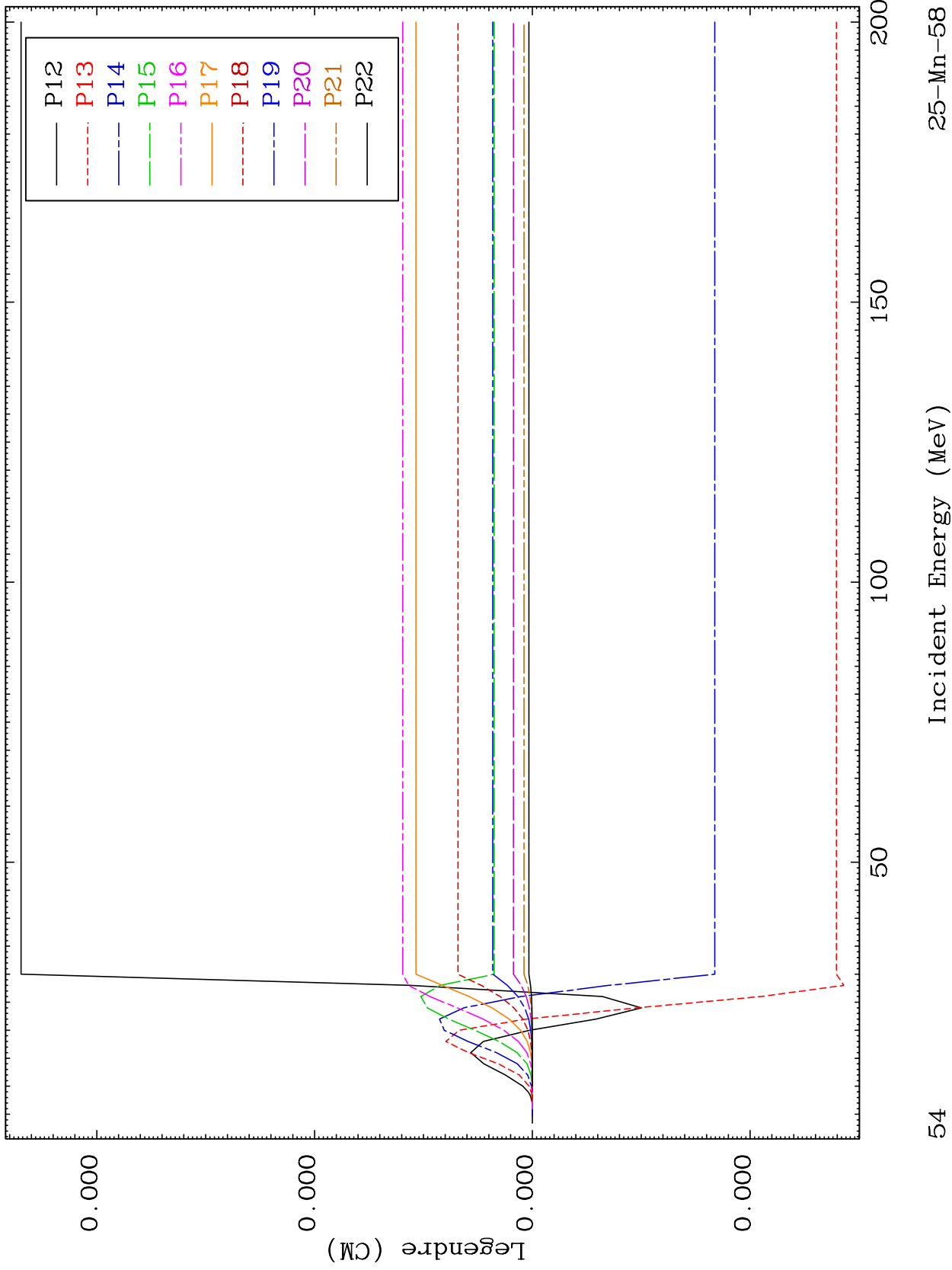
Incident Energy (MeV)

53

MAT 2534

735.4 keV (n,n') Level
Legendre Coefficients

25-Mn-58



54

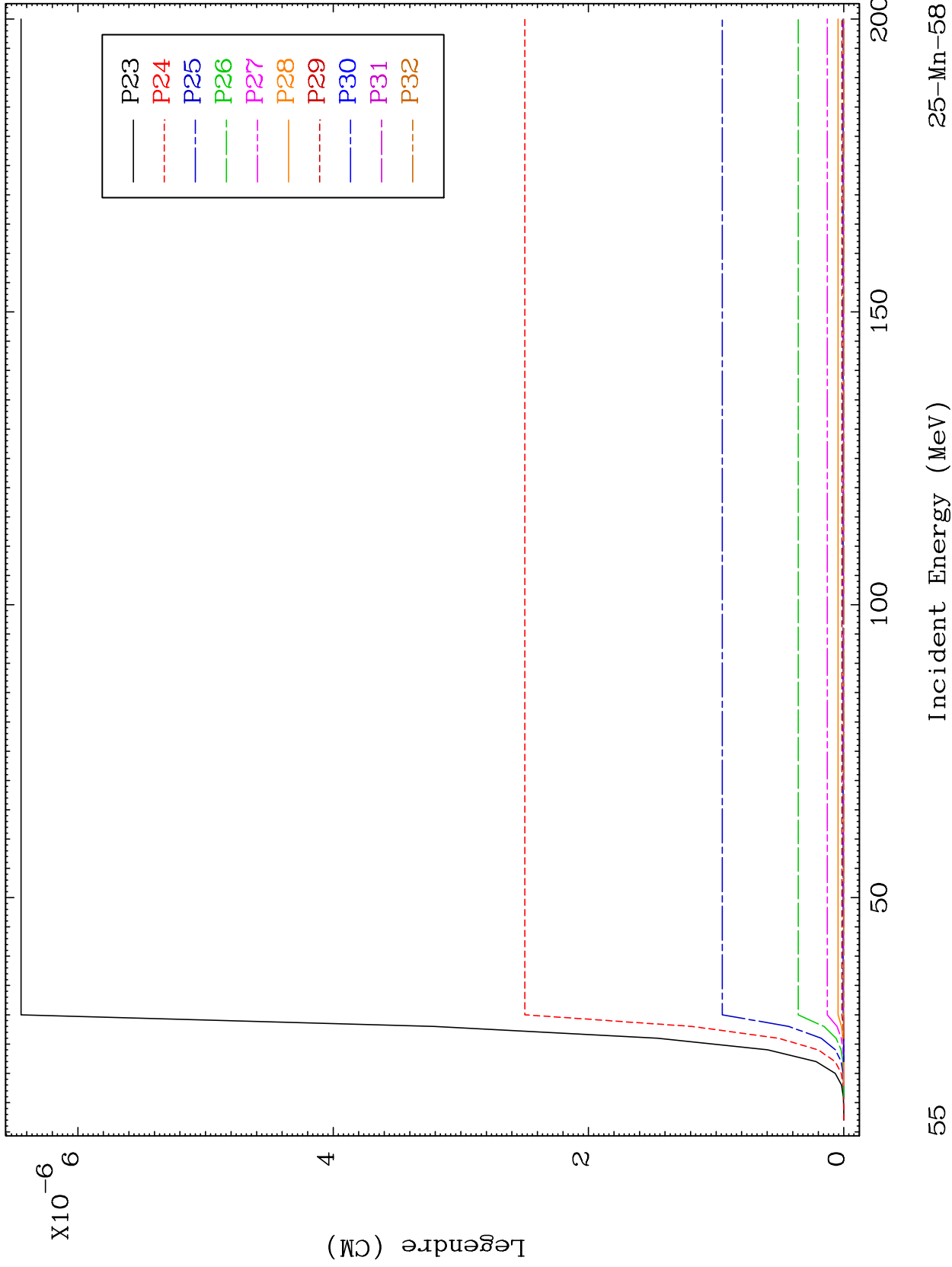
Incident Energy (MeV)

25-Mn-58

MAT 2534

735.4 keV (n,n') Level
Legendre Coefficients

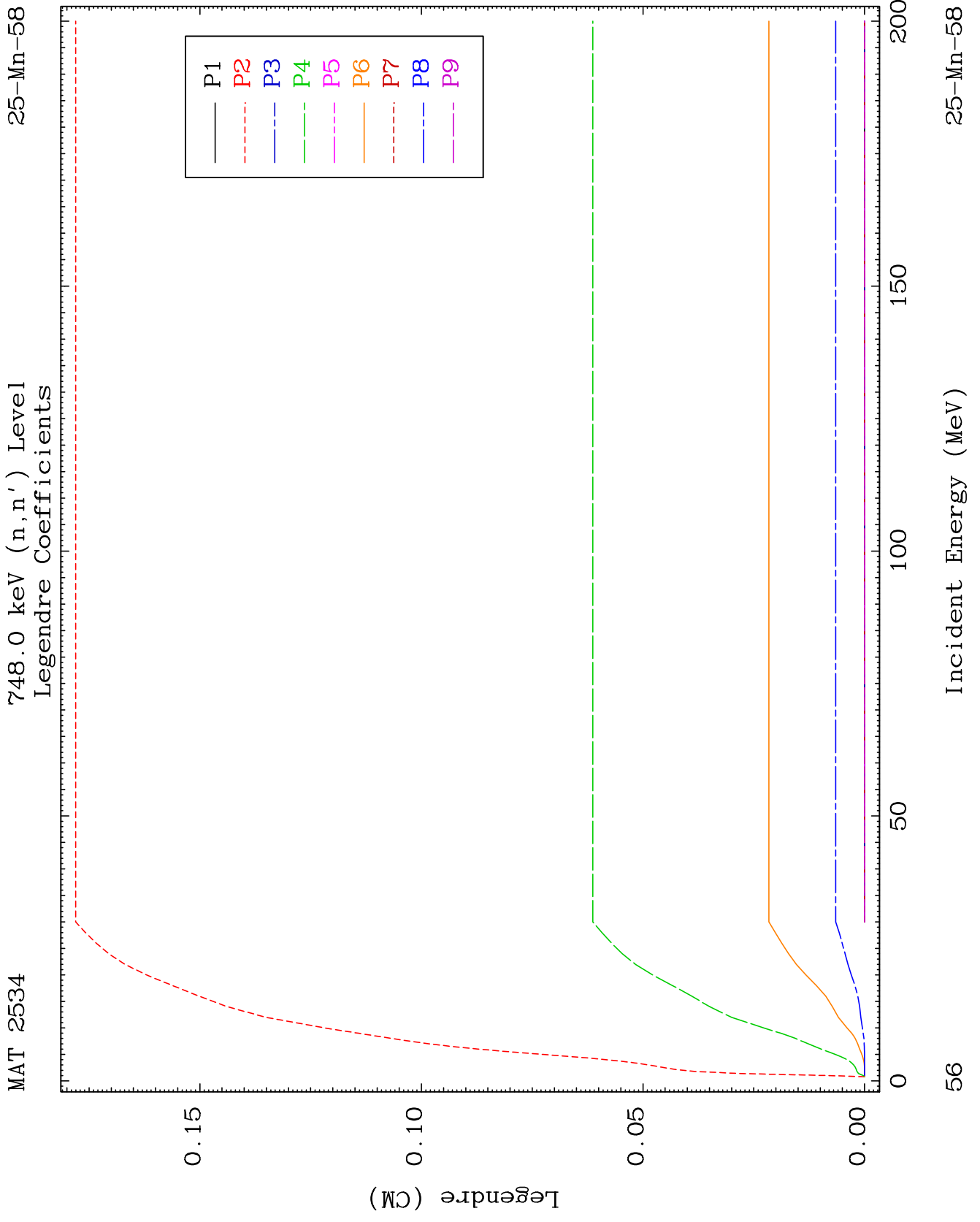
25-Mn-58



25-Mn-58

Incident Energy (MeV)

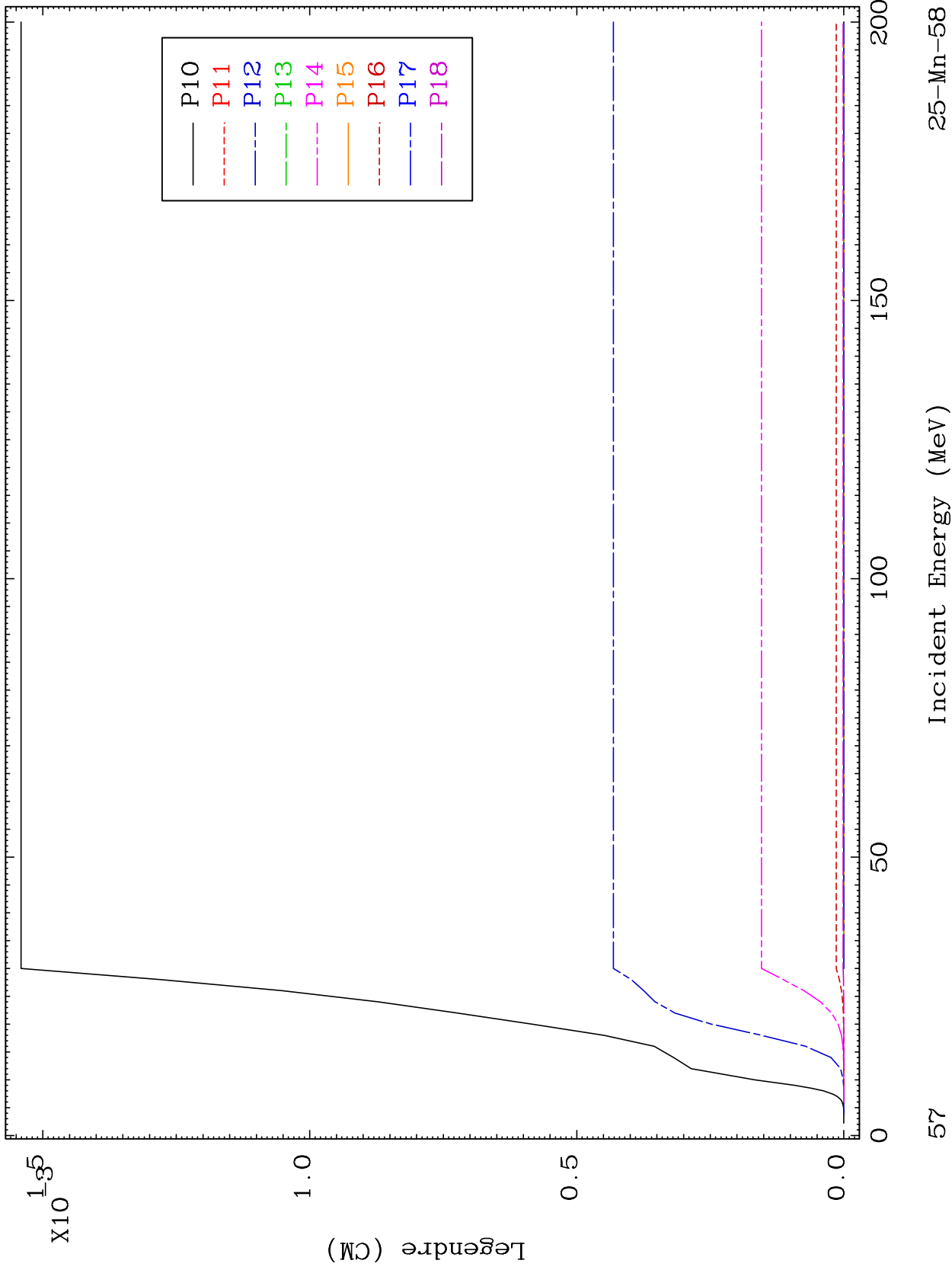
55

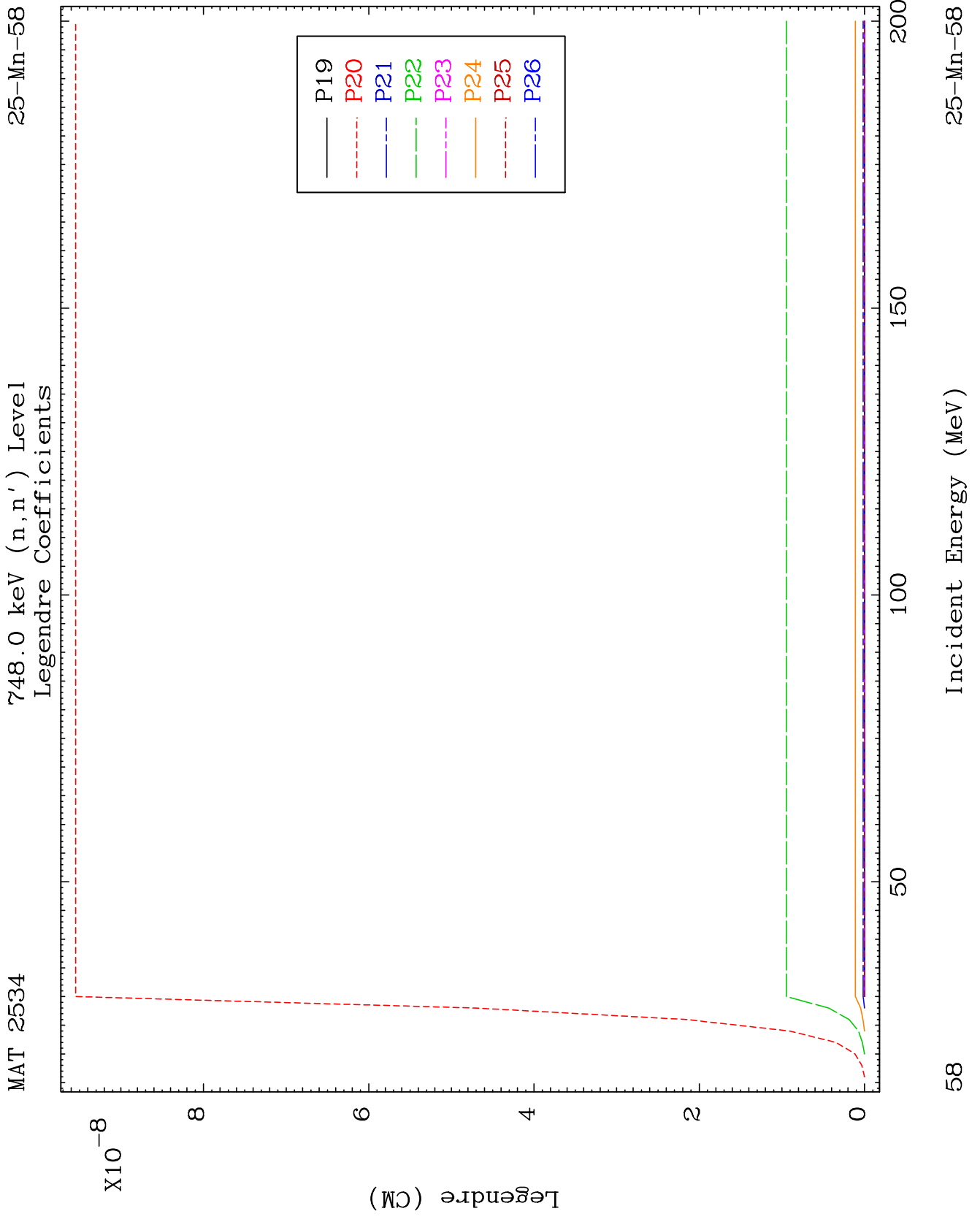


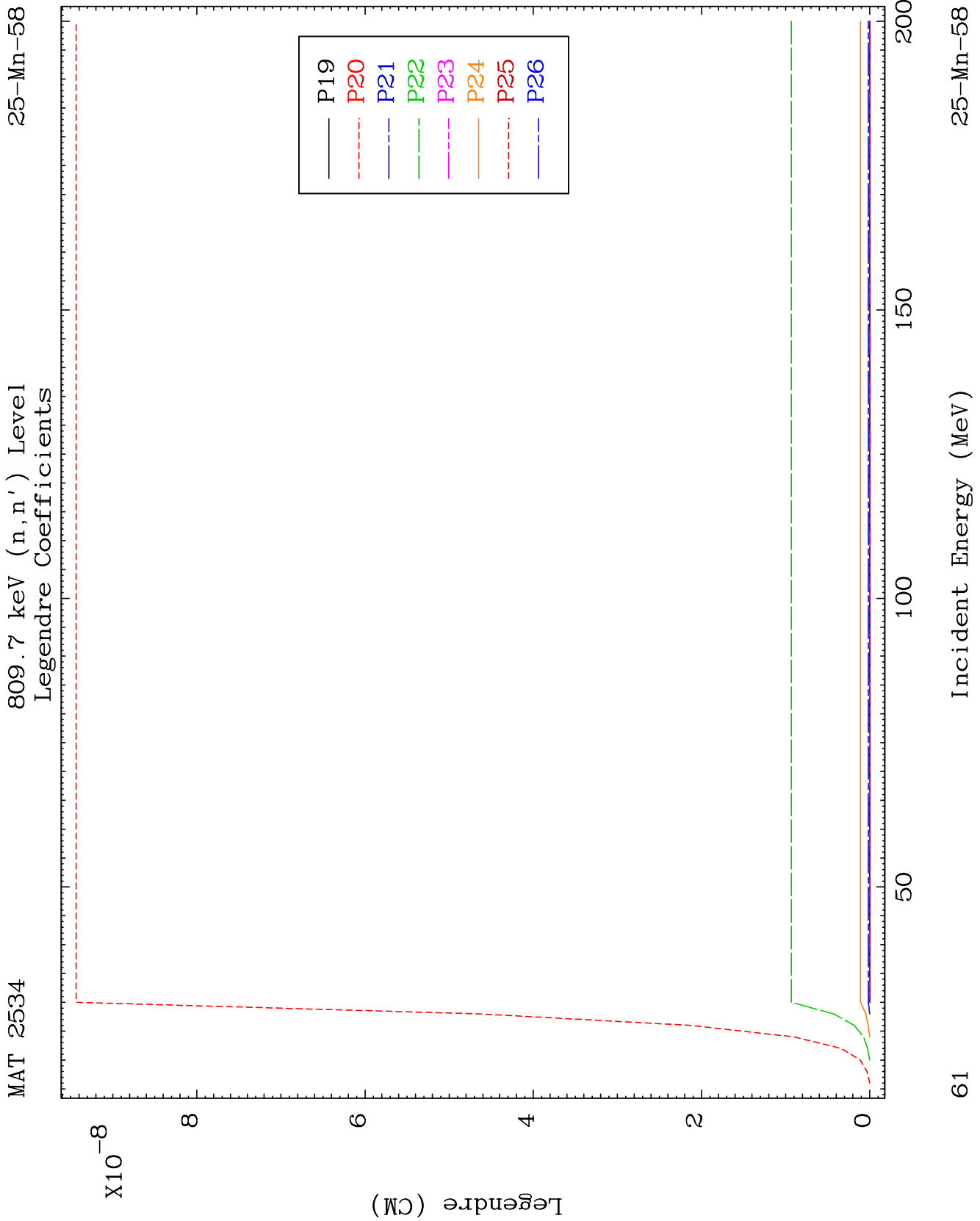
MAT 2534

748.0 keV (n,n') Level
Legendre Coefficients

25-Mn-58



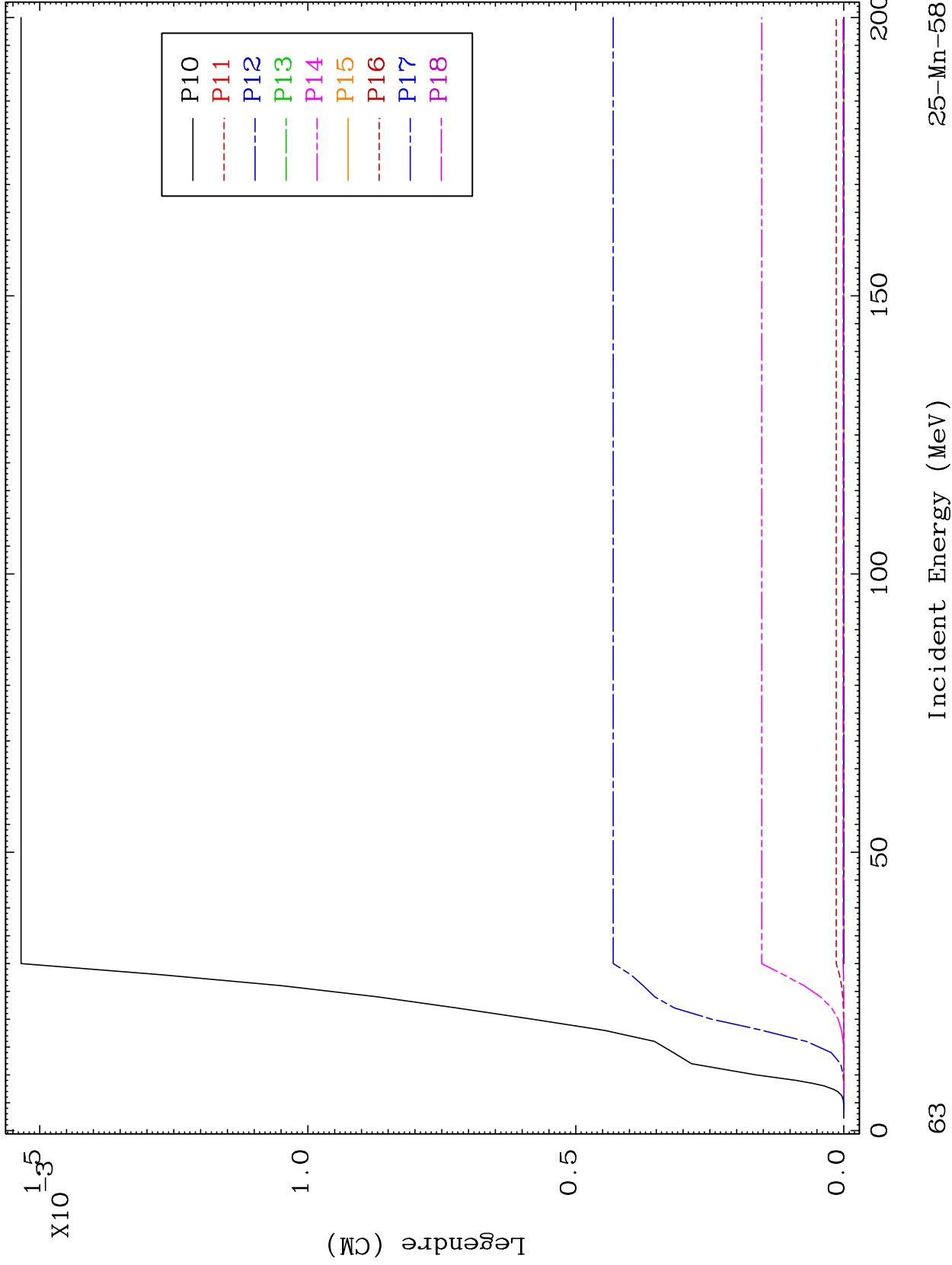




MAT 2534

817.0 keV (n,n') Level
Legendre Coefficients

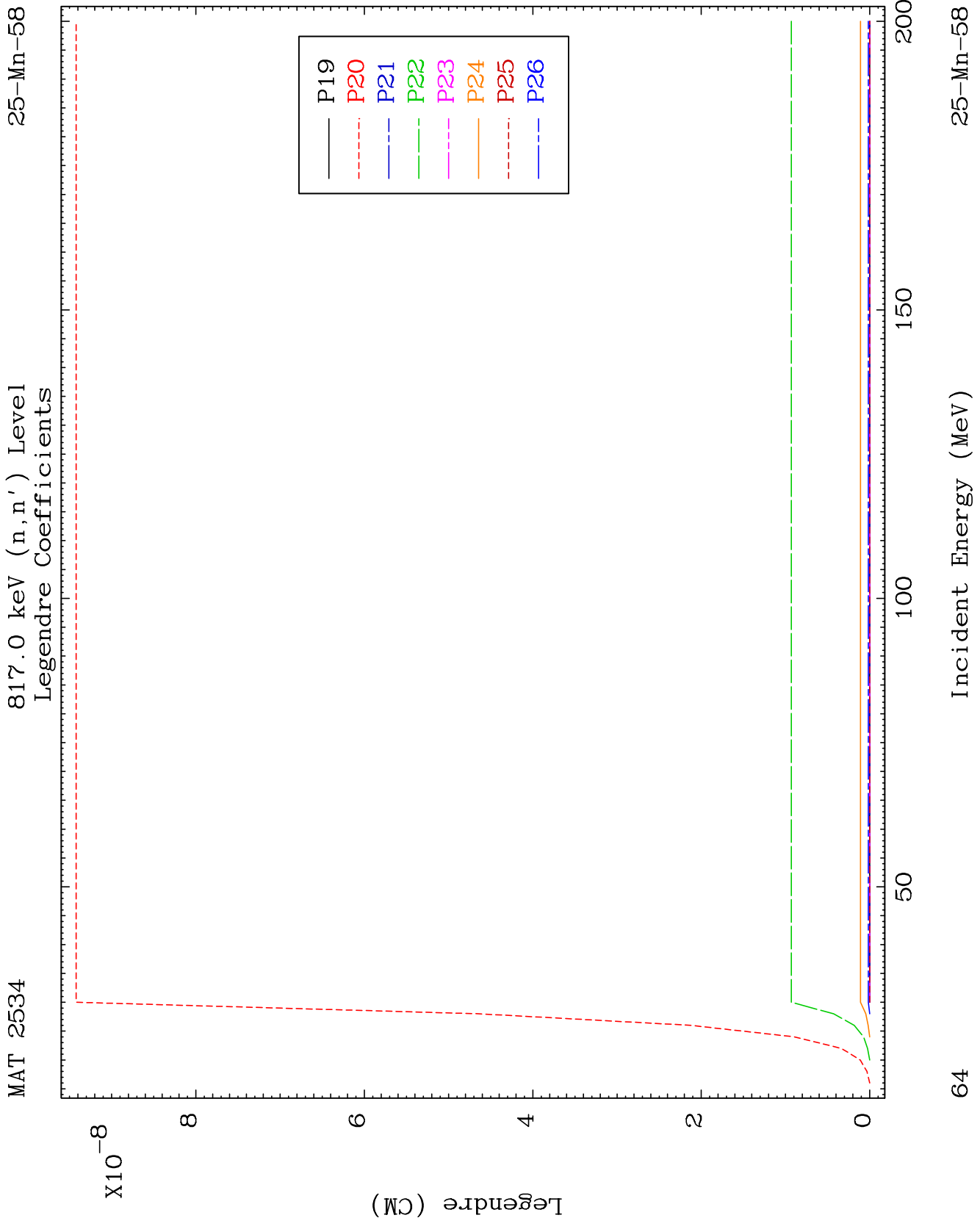
25-Mn-58

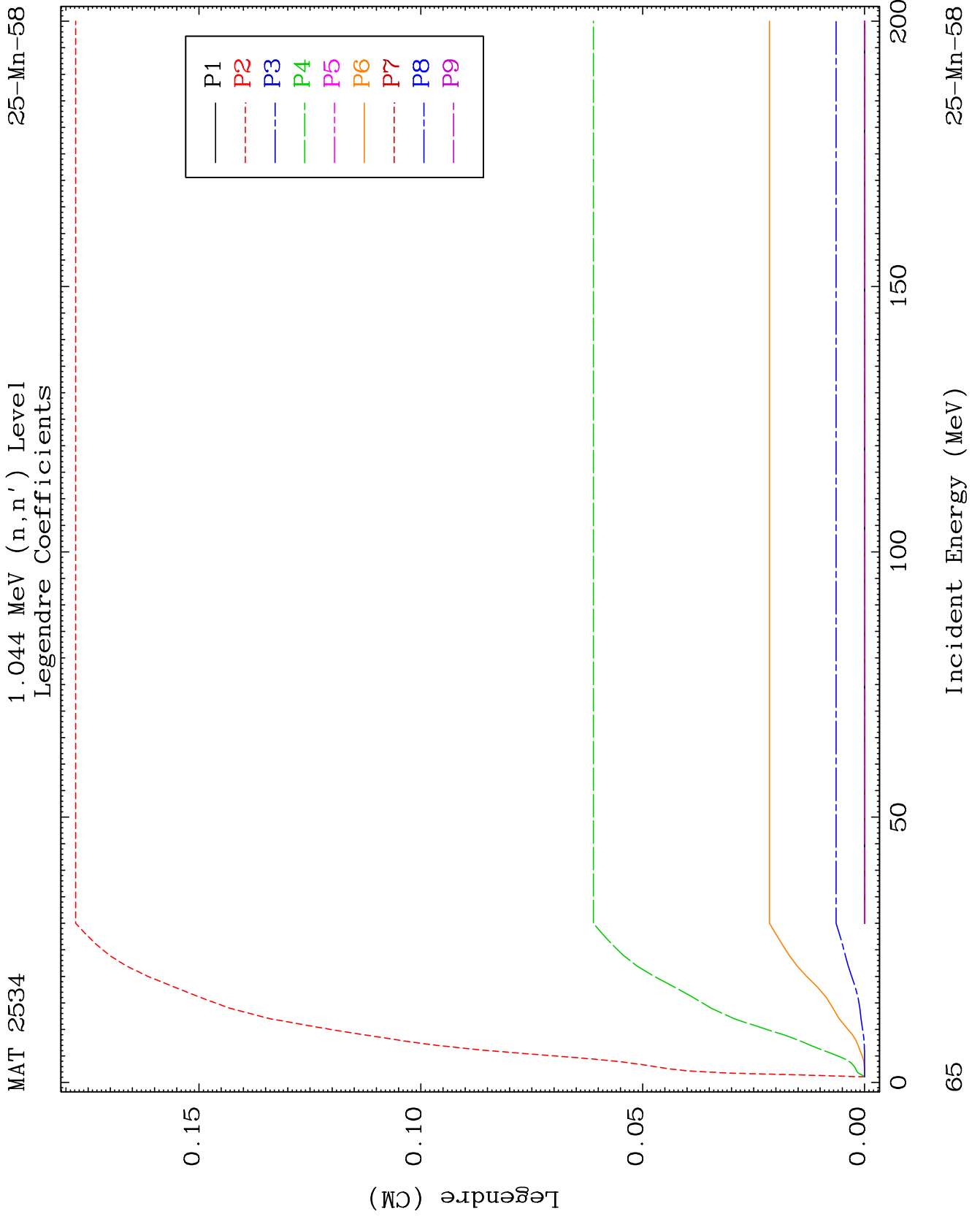


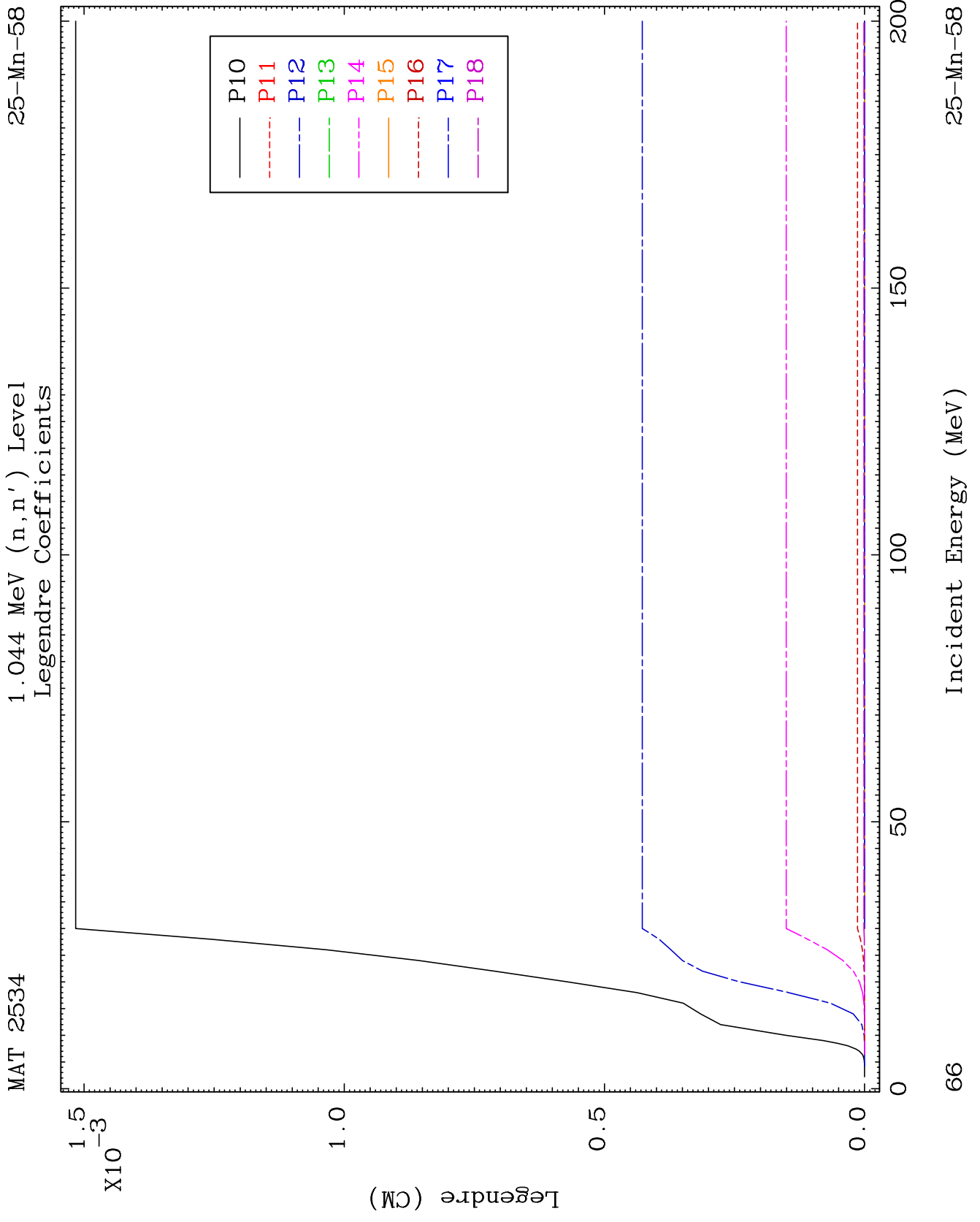
63

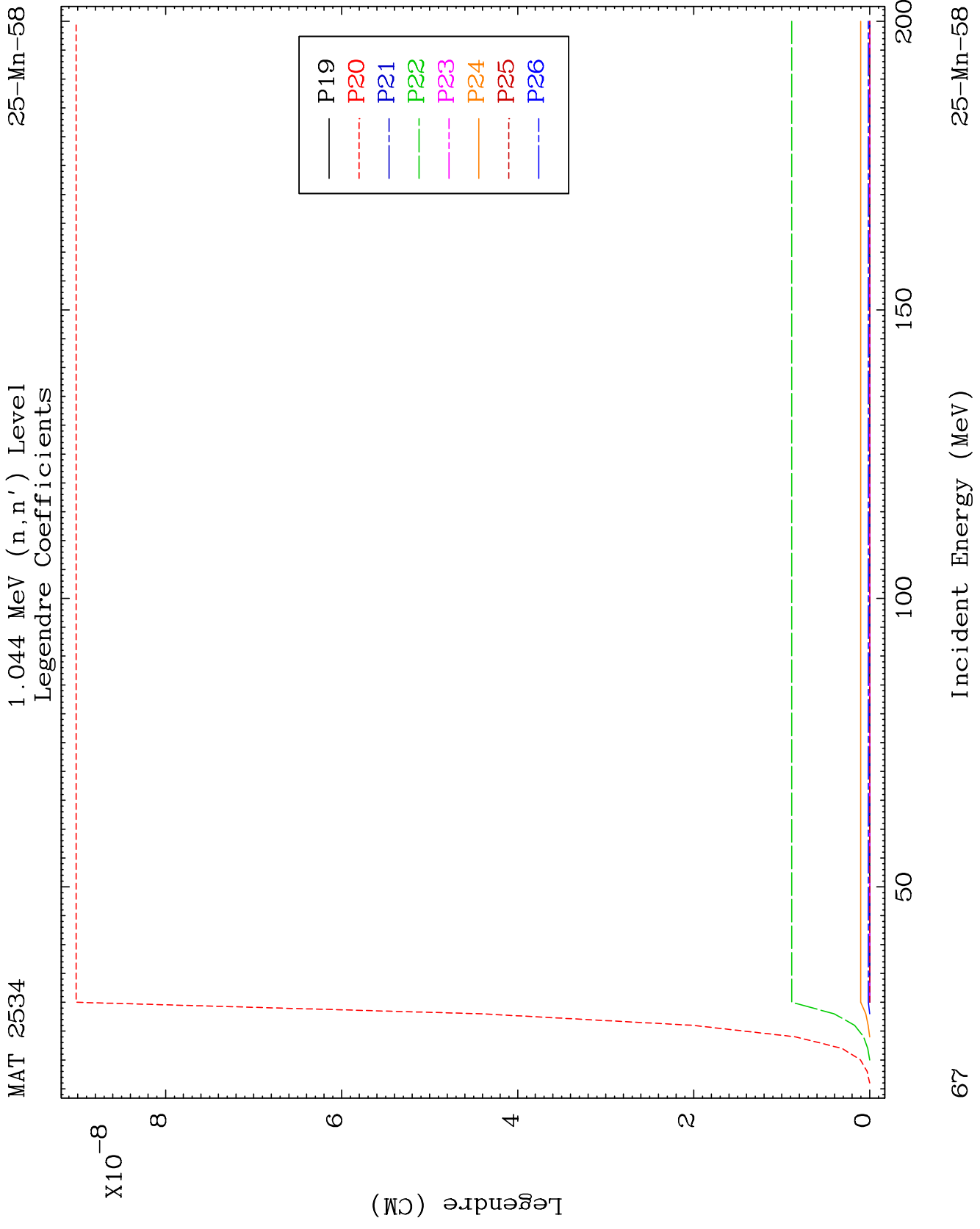
Incident Energy (MeV)

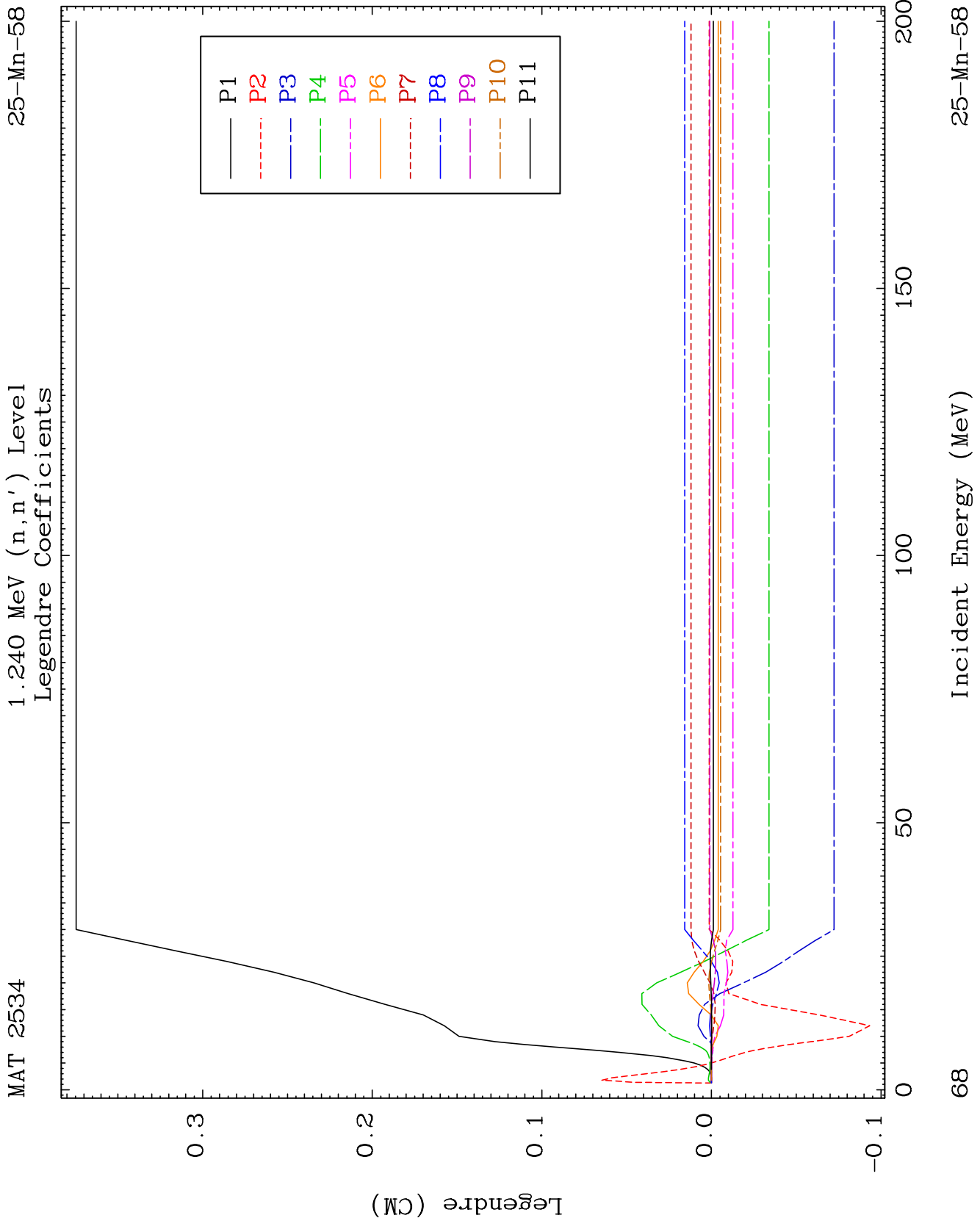
25-Mn-58

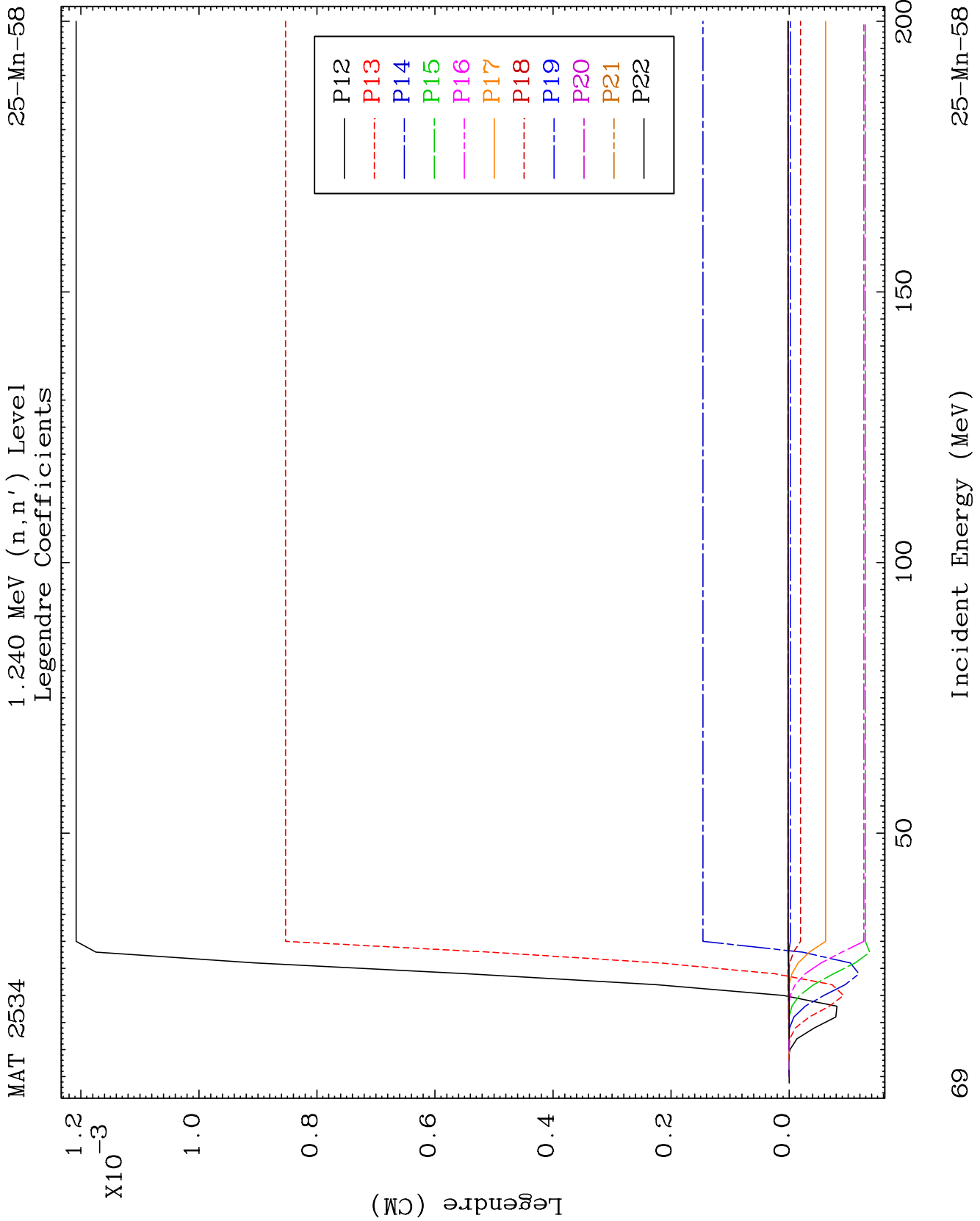


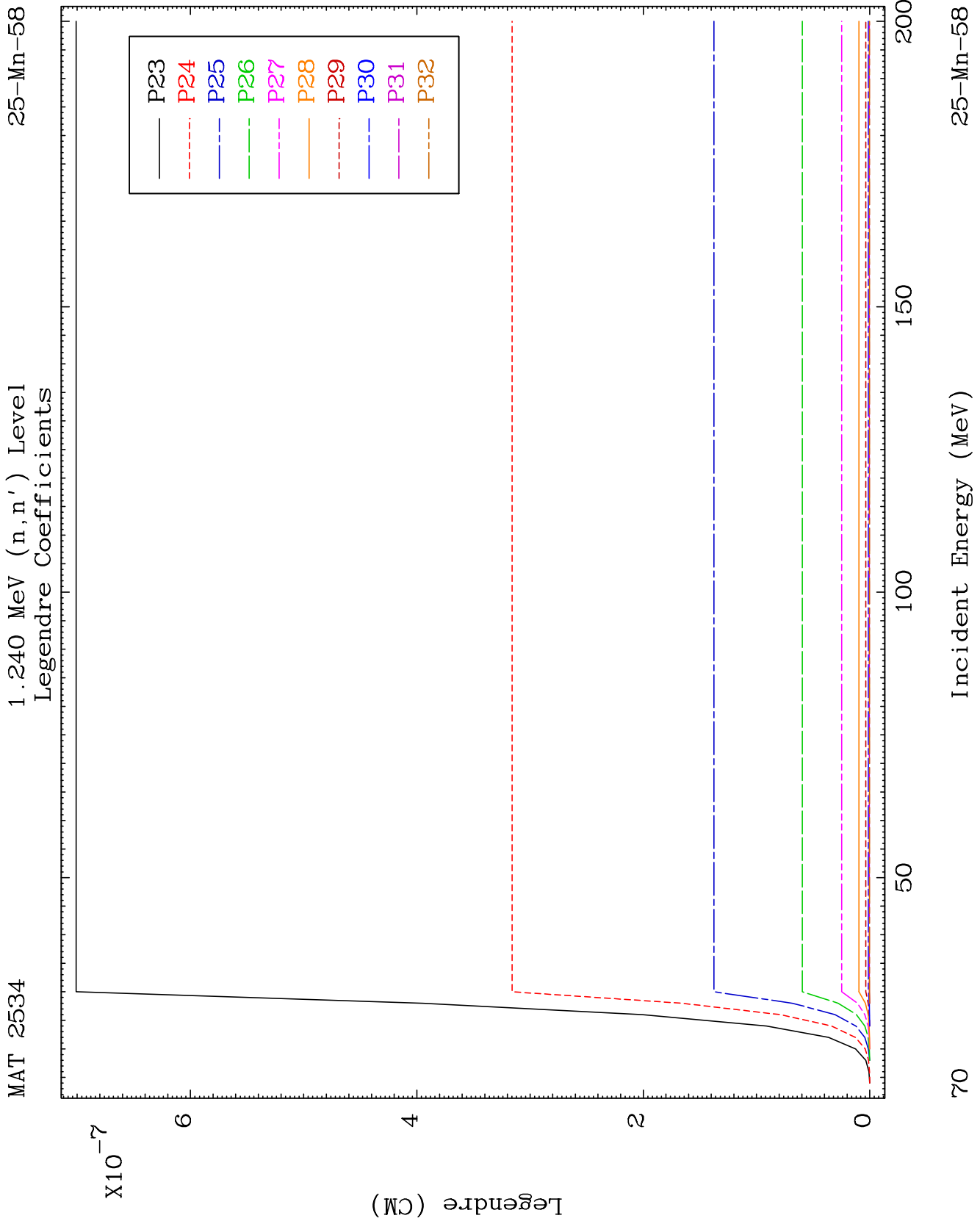


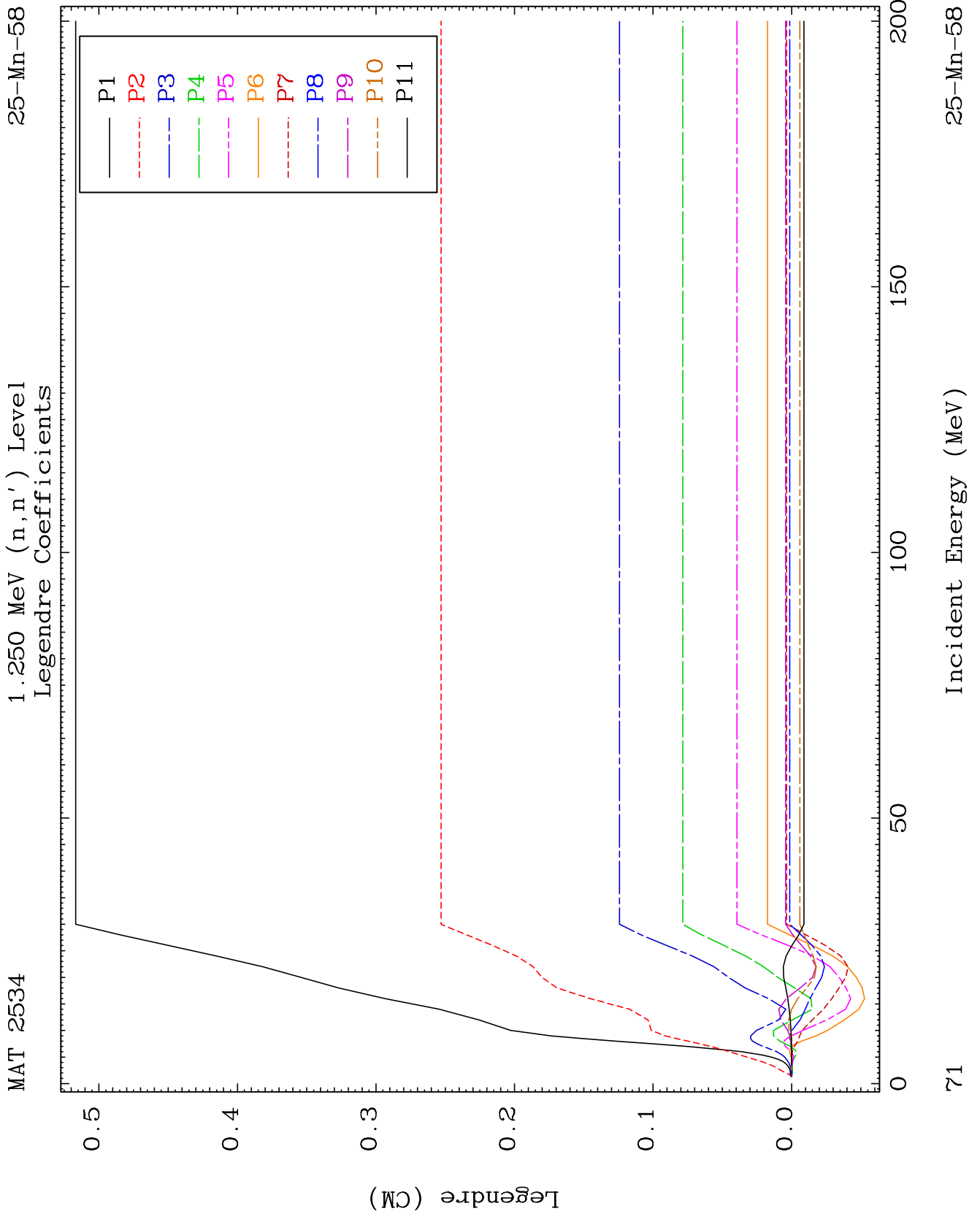


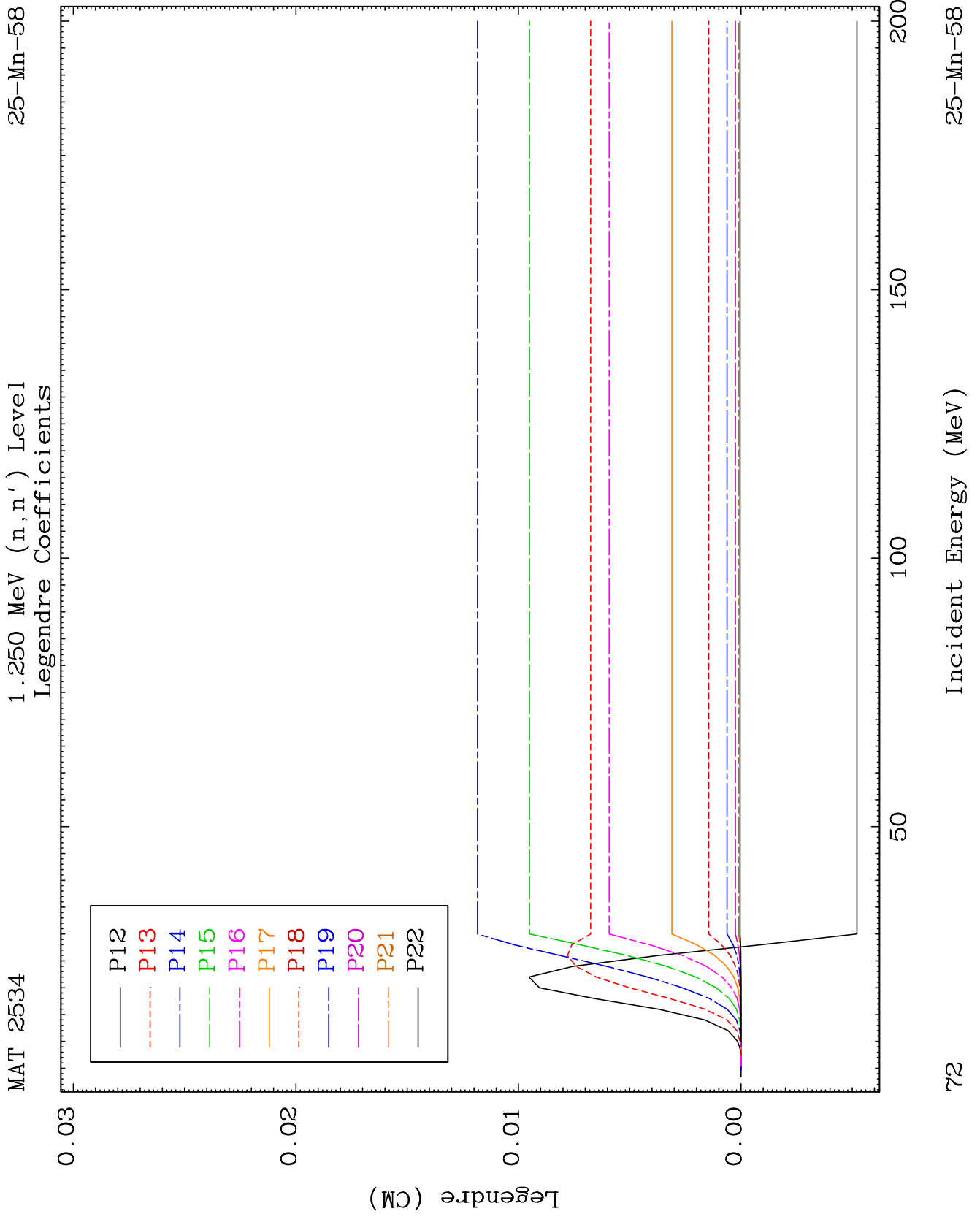


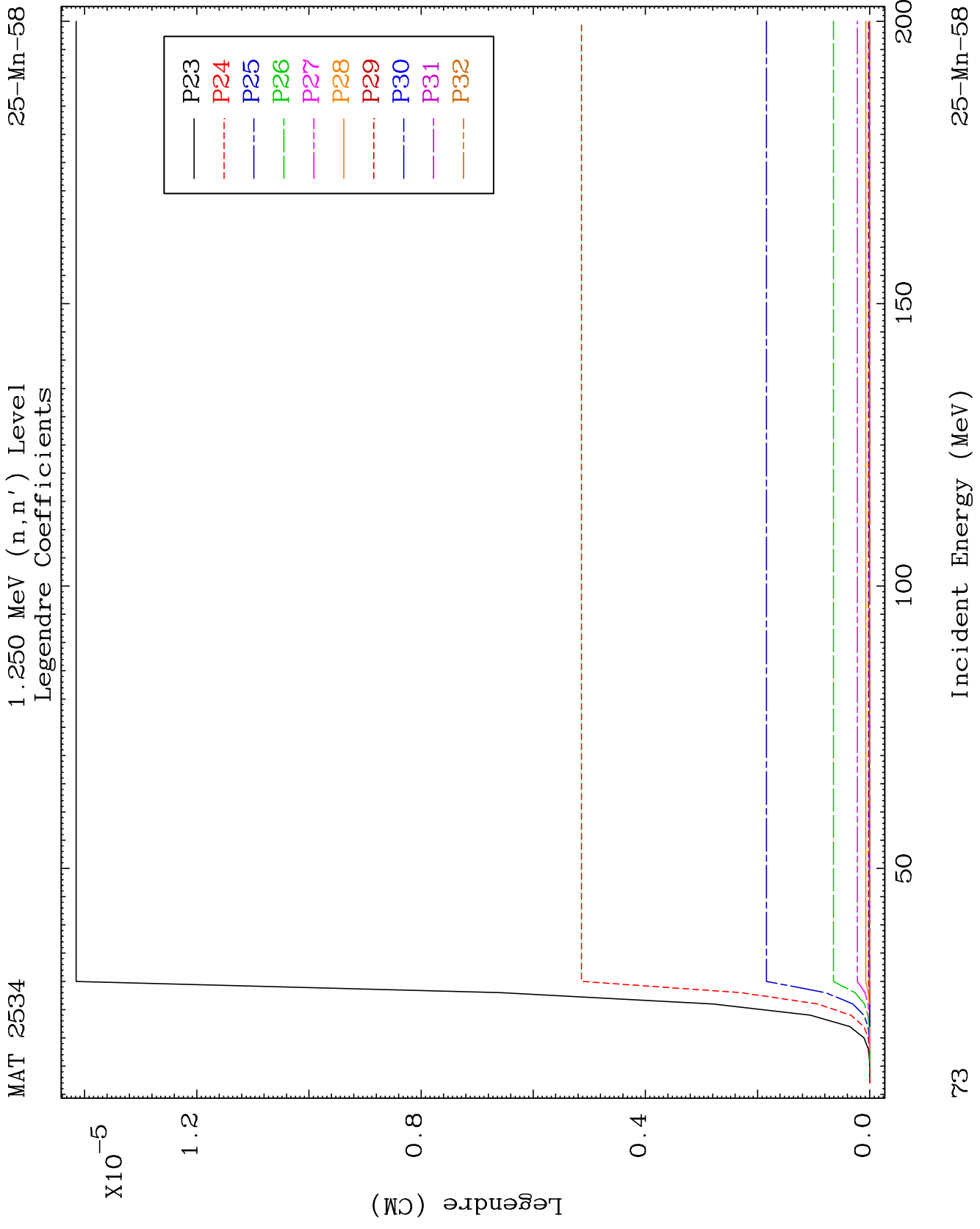


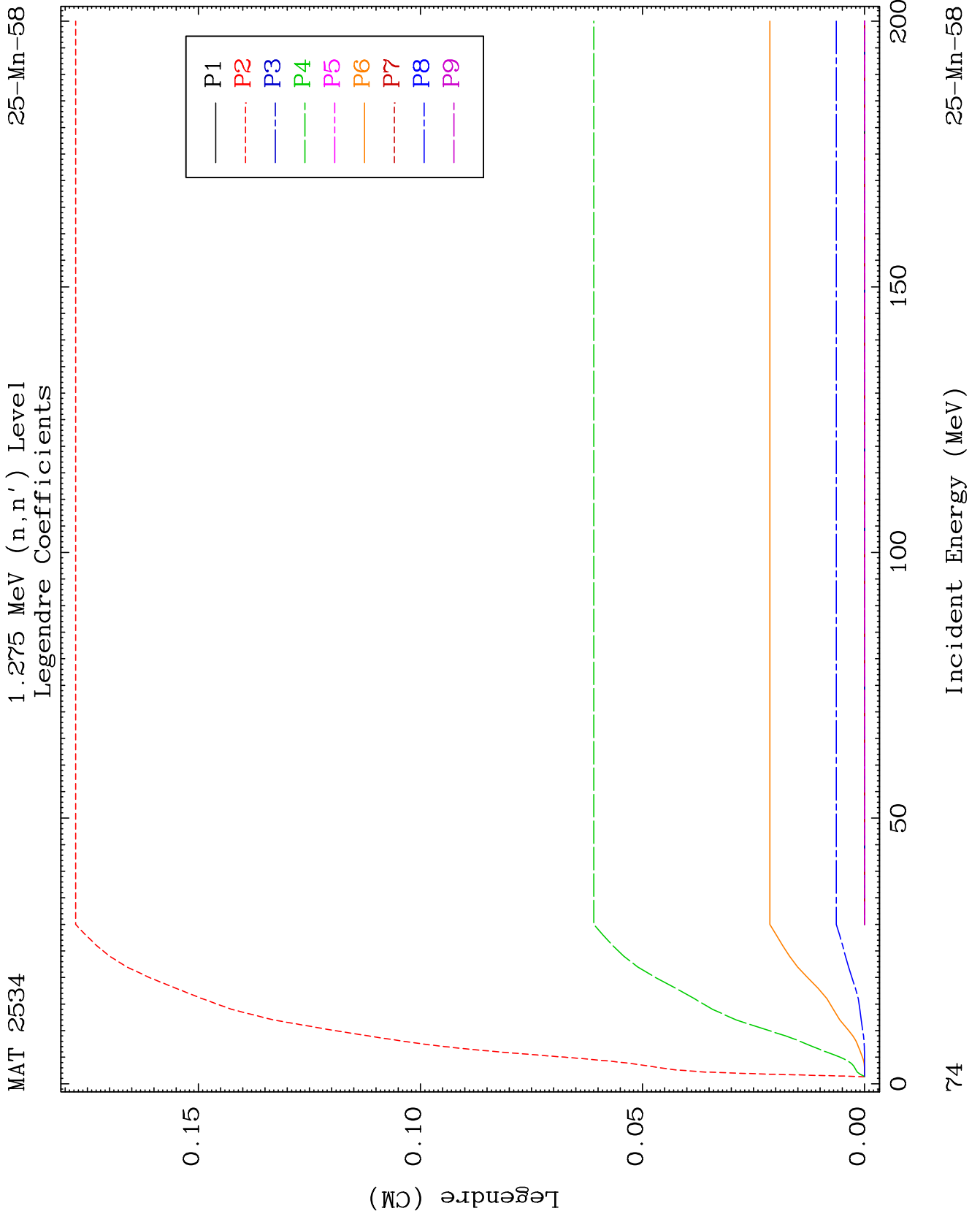


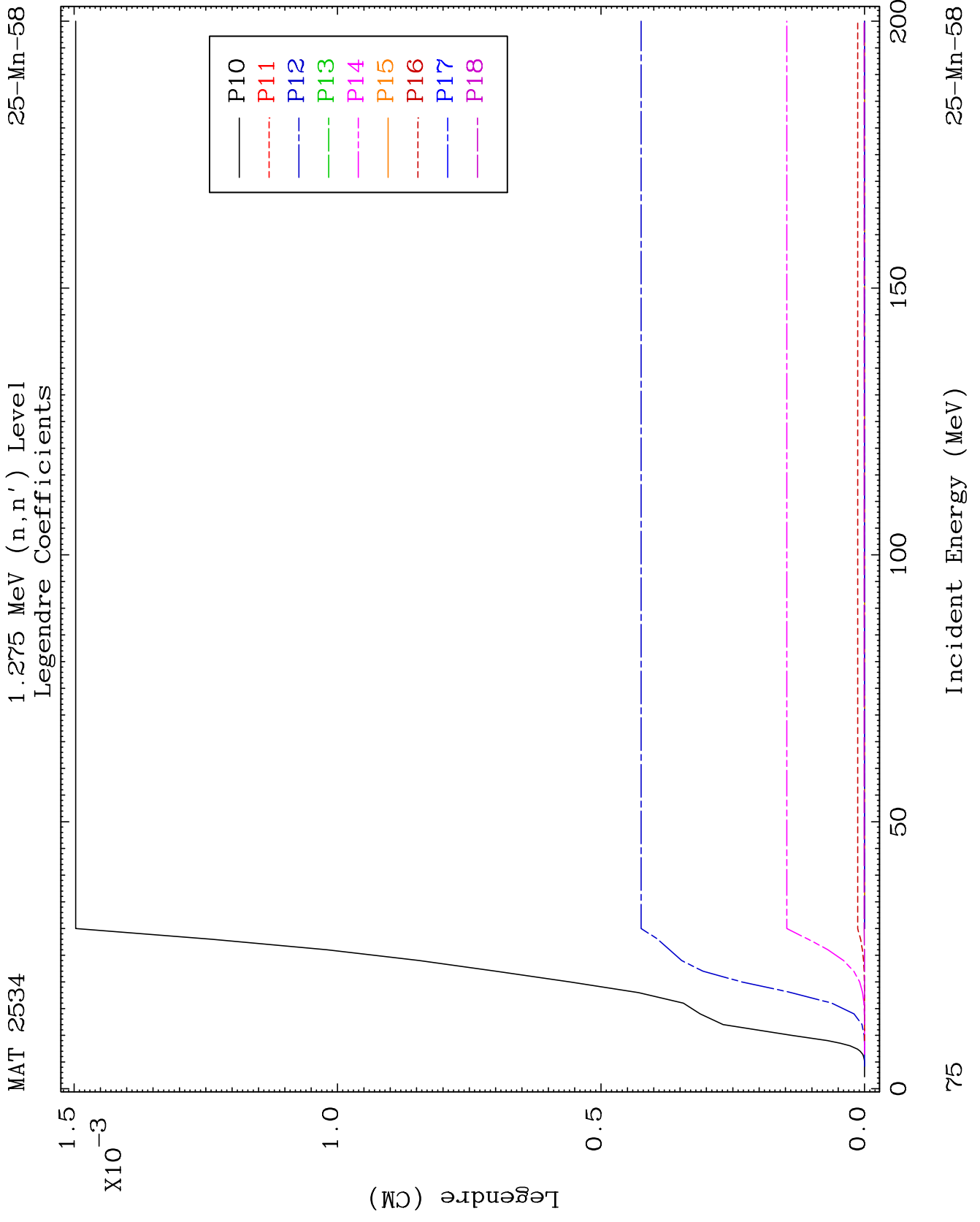


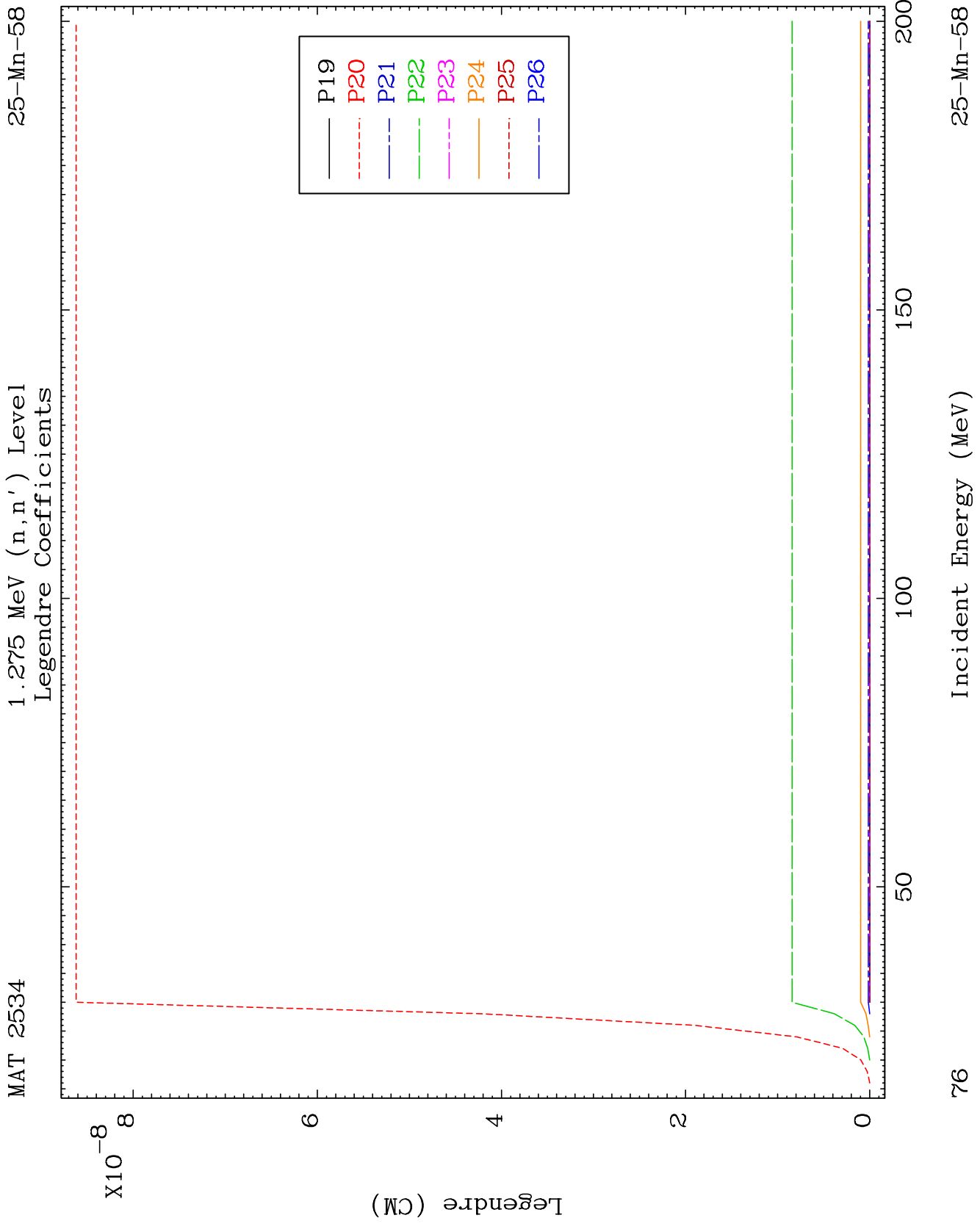








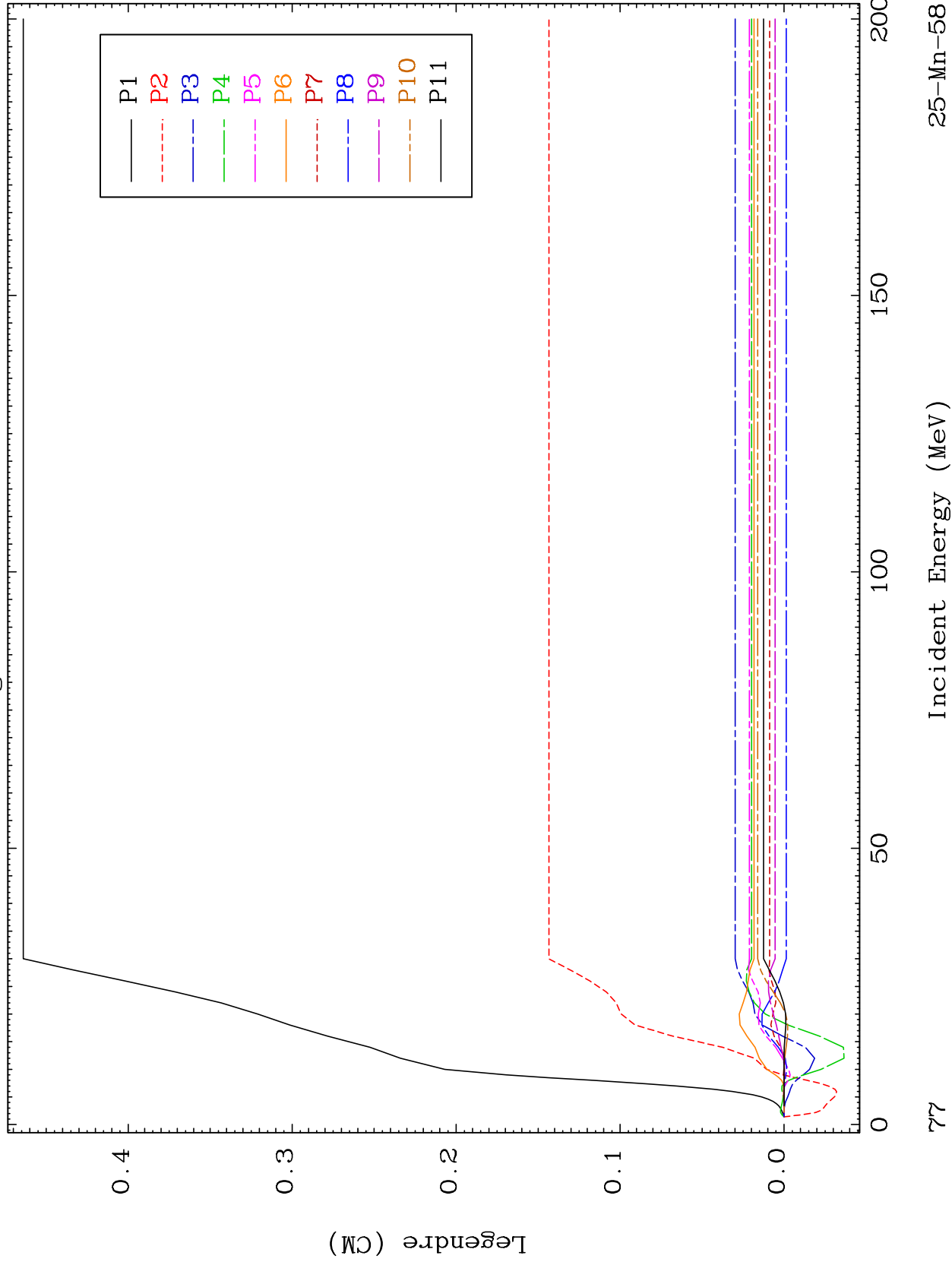




MAT 2534

1.338 MeV (n,n') Level
Legendre Coefficients

25-Mn-58



25-Mn-58

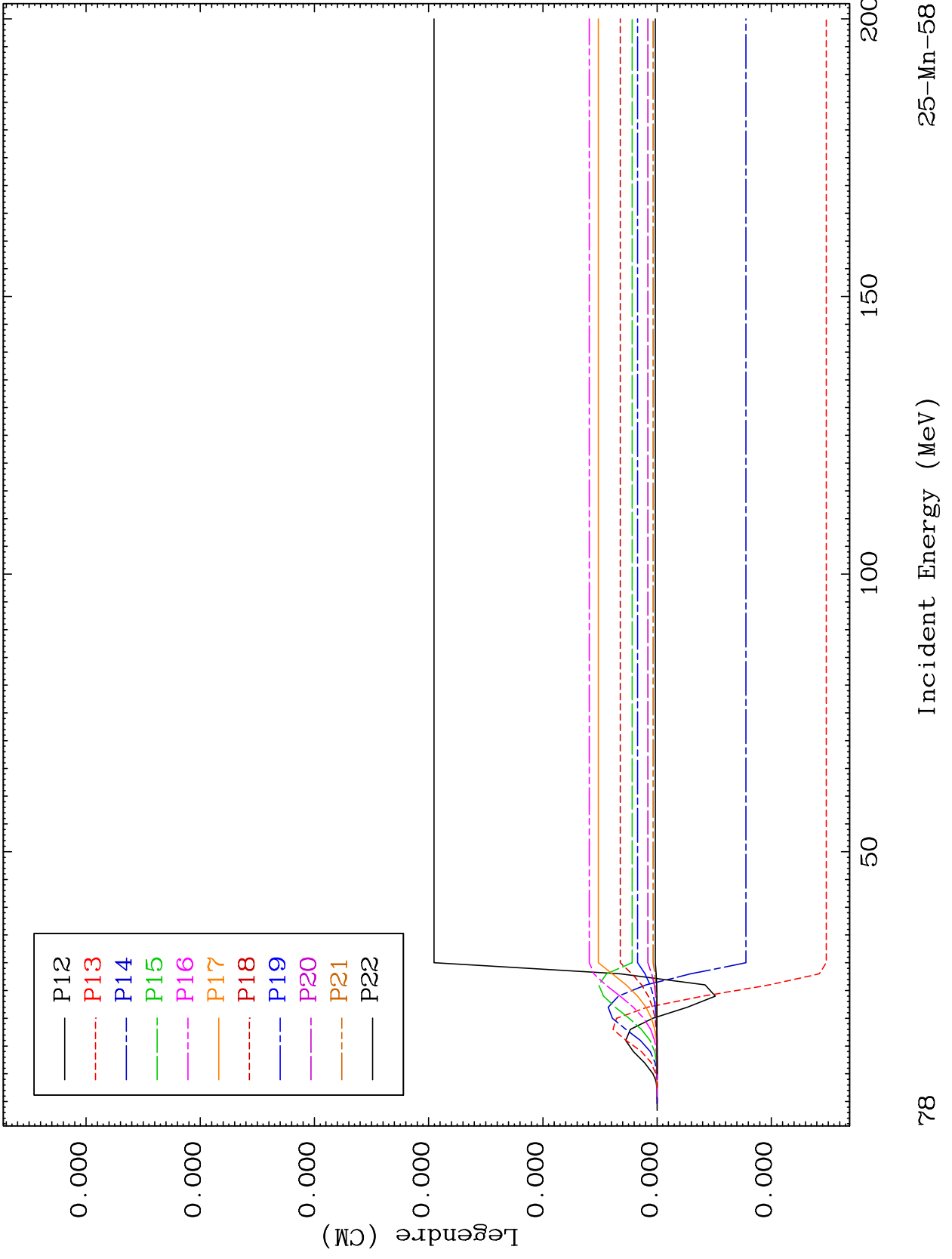
Incident Energy (MeV)

77

MAT 2534

1.338 MeV (n,n') Level
Legendre Coefficients

25-Mn-58



78

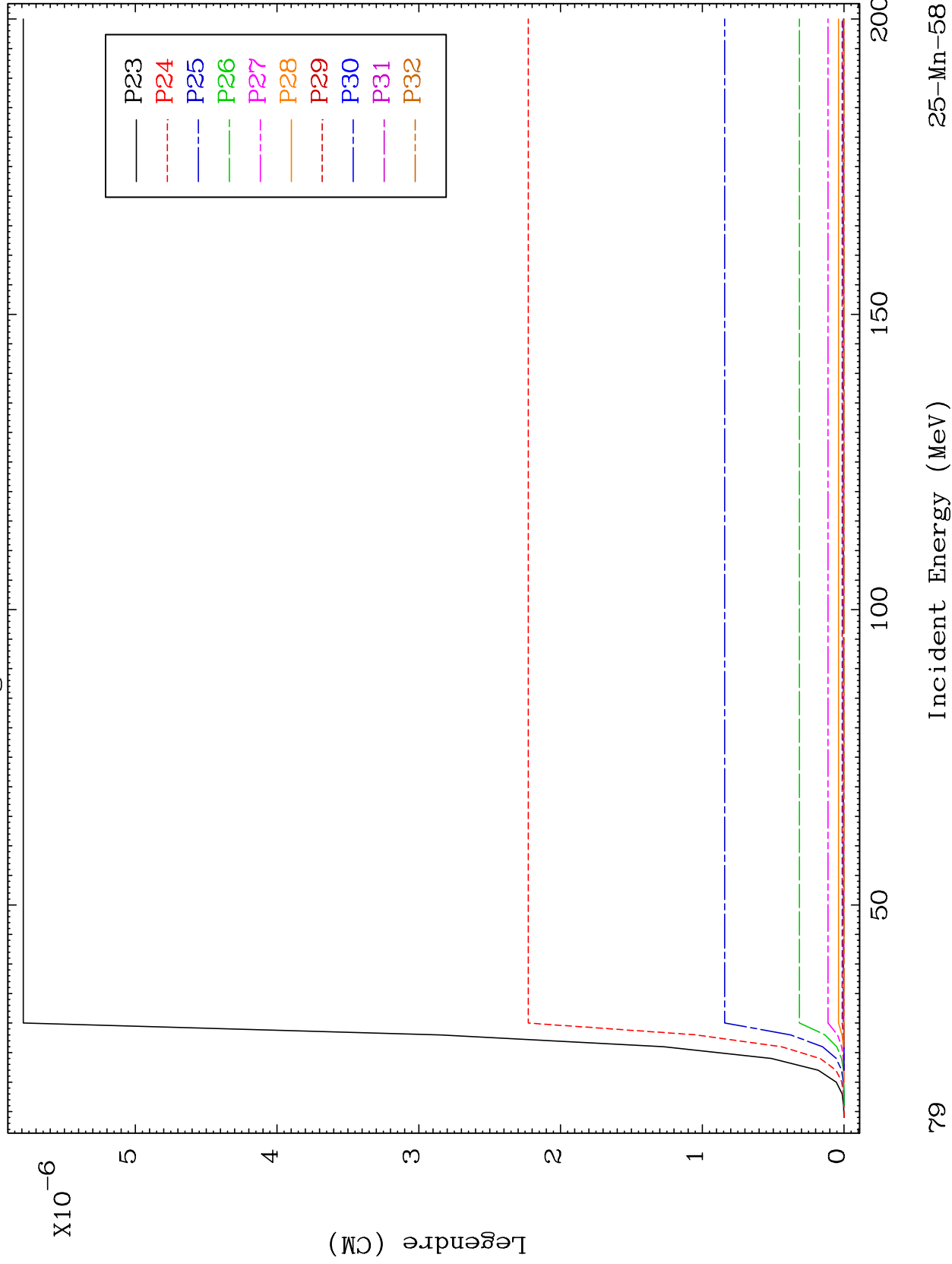
Incident Energy (MeV)

25-Mn-58

MAT 2534

1.338 MeV (n,n') Level
Legendre Coefficients

25-Mn-58



79

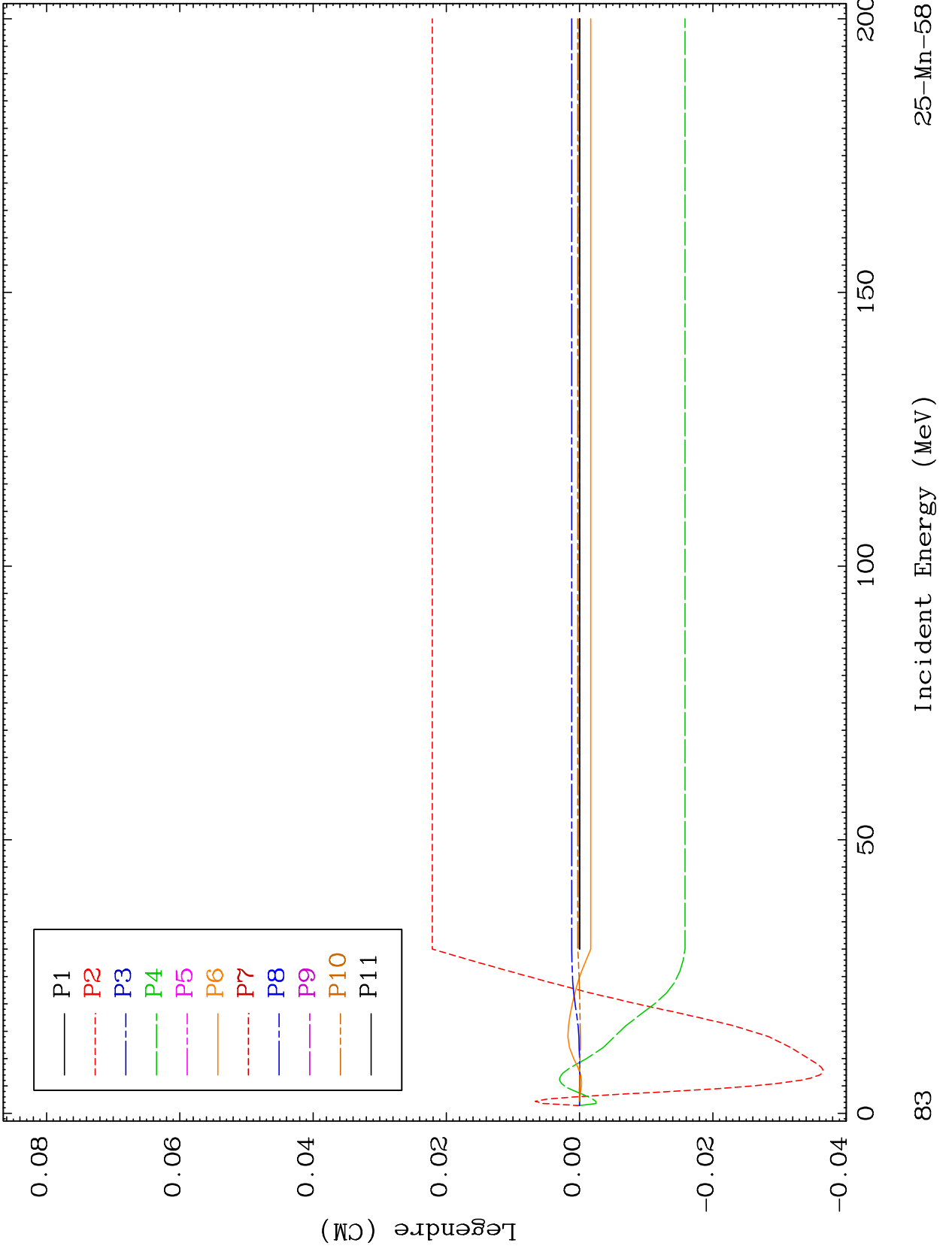
Incident Energy (MeV)

25-Mn-58

MAT 2534

1.385 MeV (n,n') Level
Legendre Coefficients

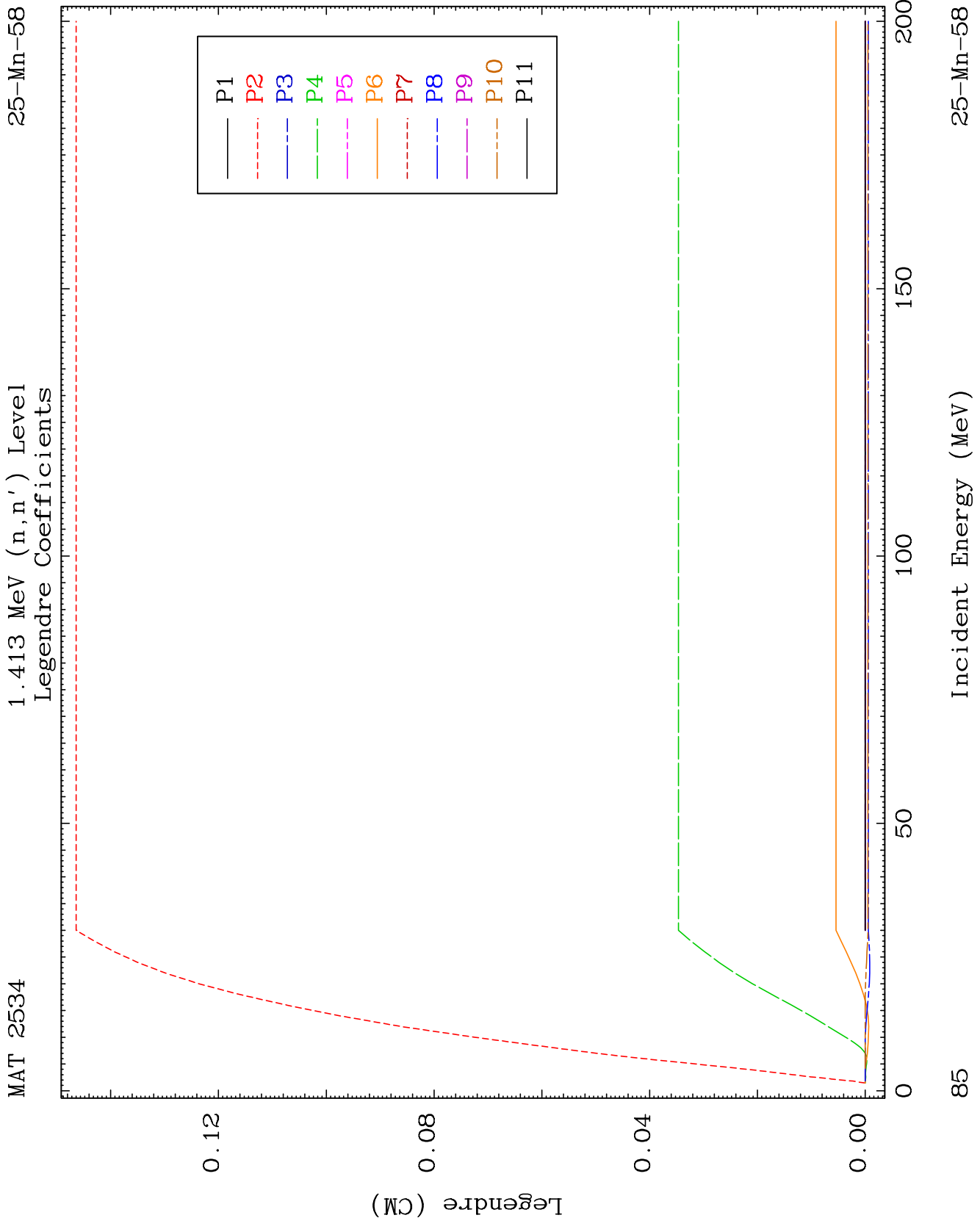
25-Mn-58

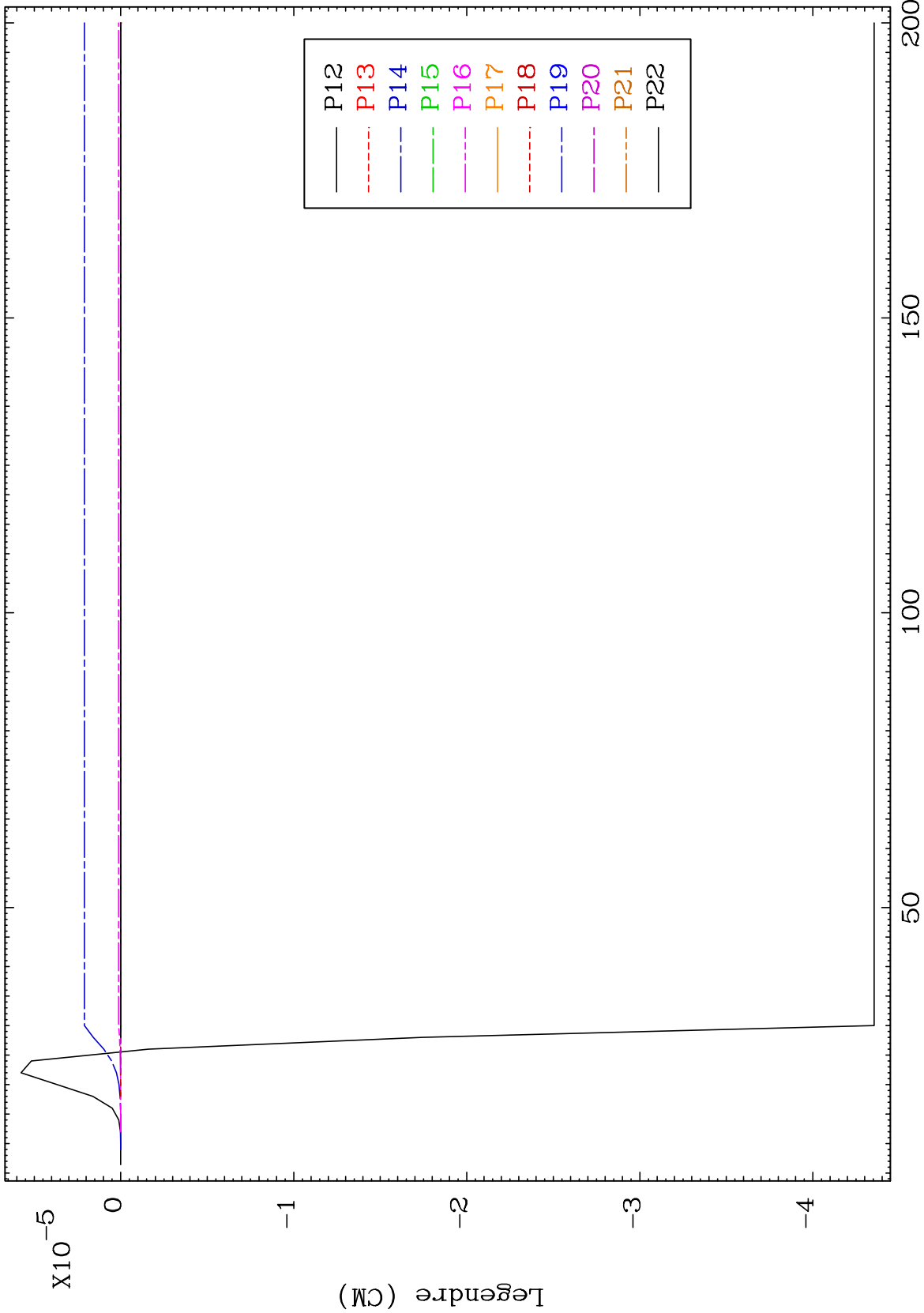


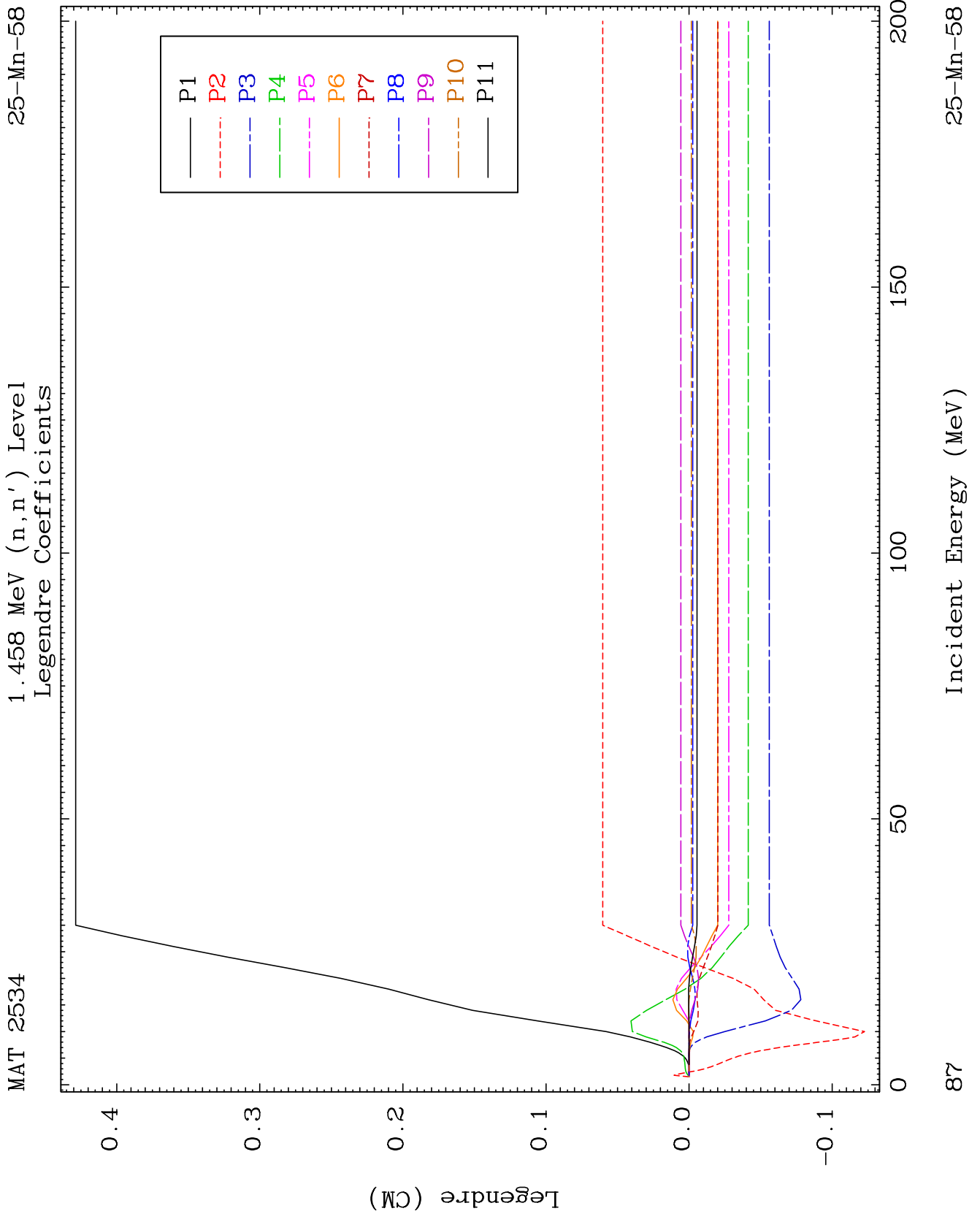
83

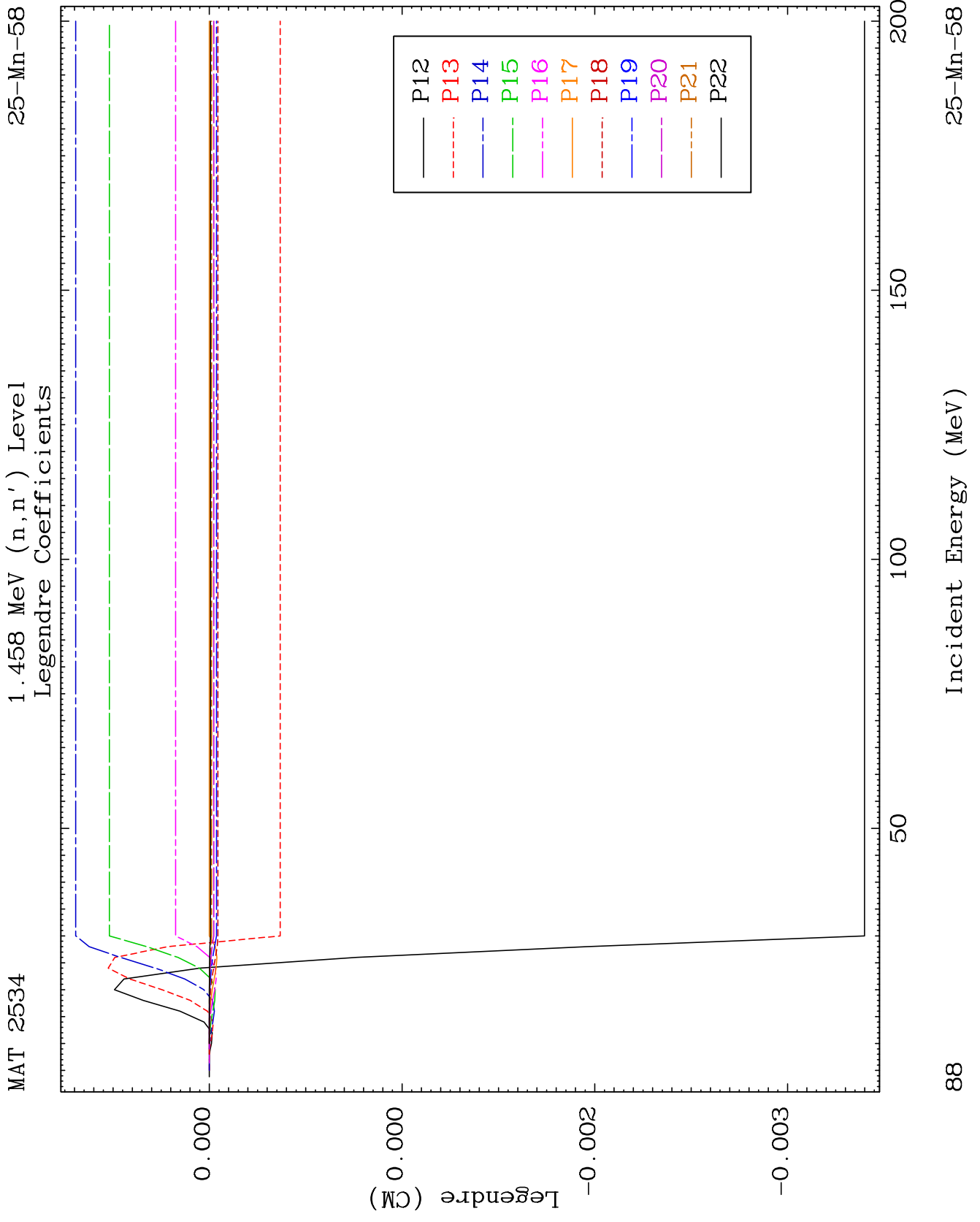
Incident Energy (MeV)

25-Mn-58





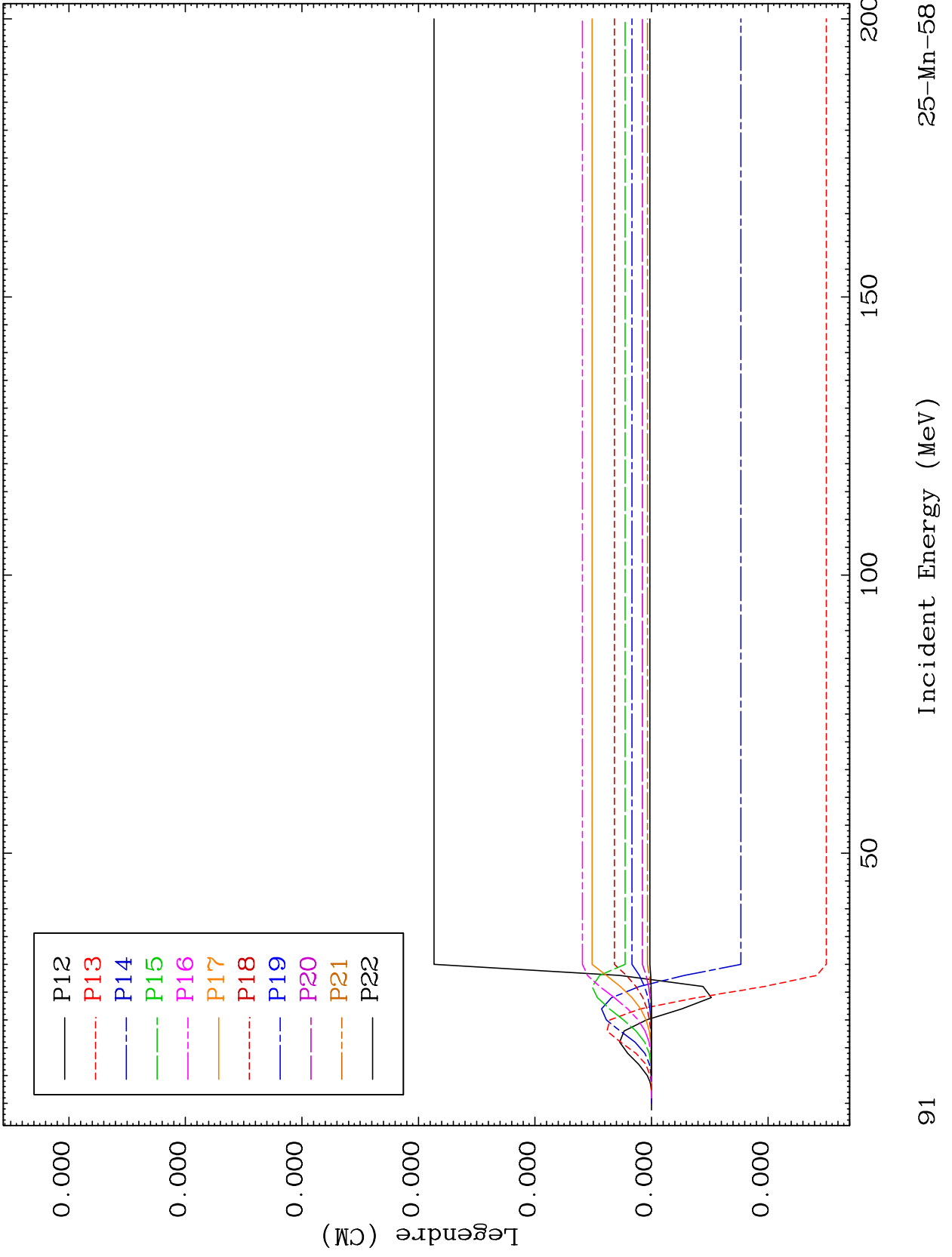


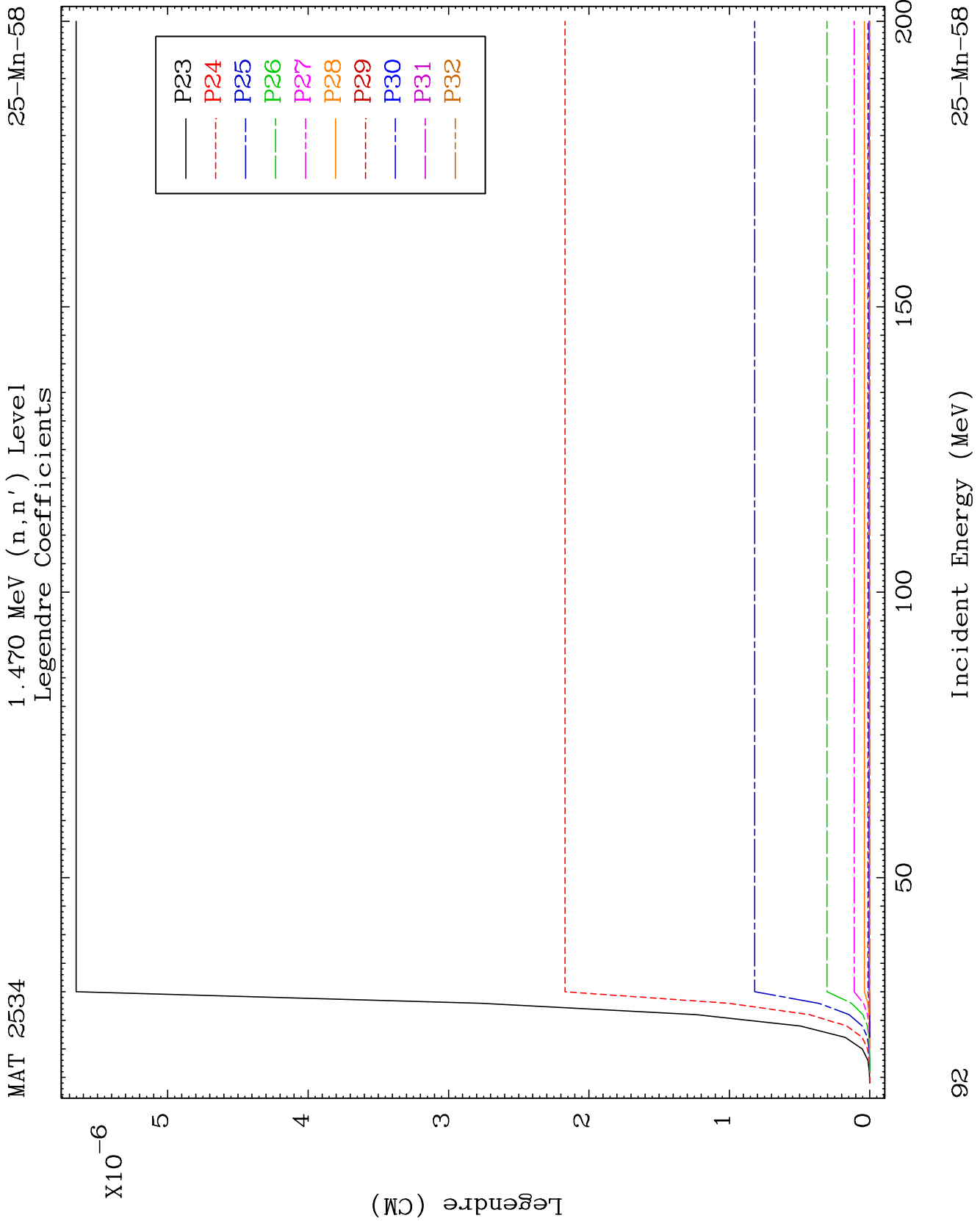


MAT 2534

1.470 MeV (n, n') Level
Legendre Coefficients

25-Mn-58

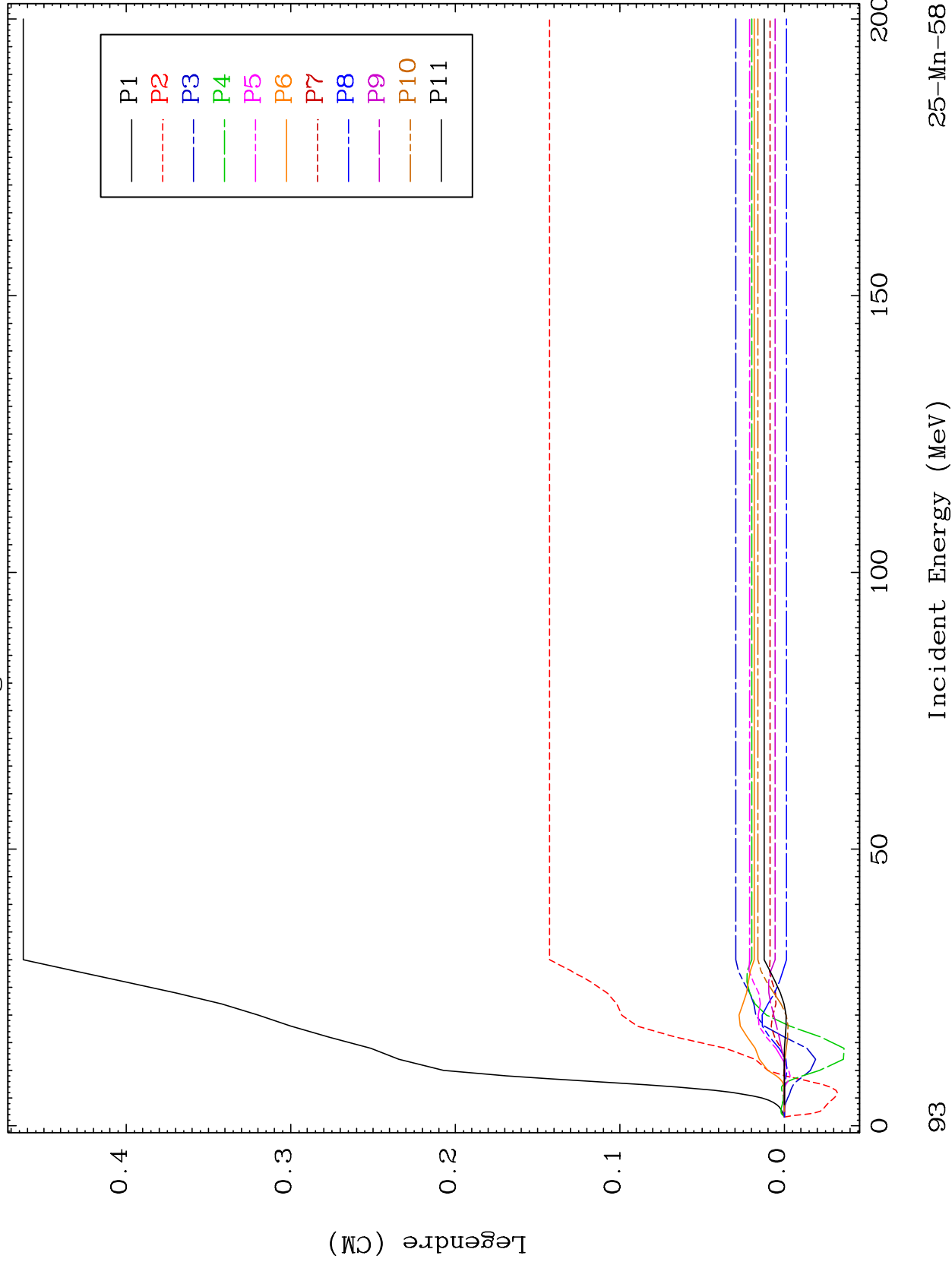


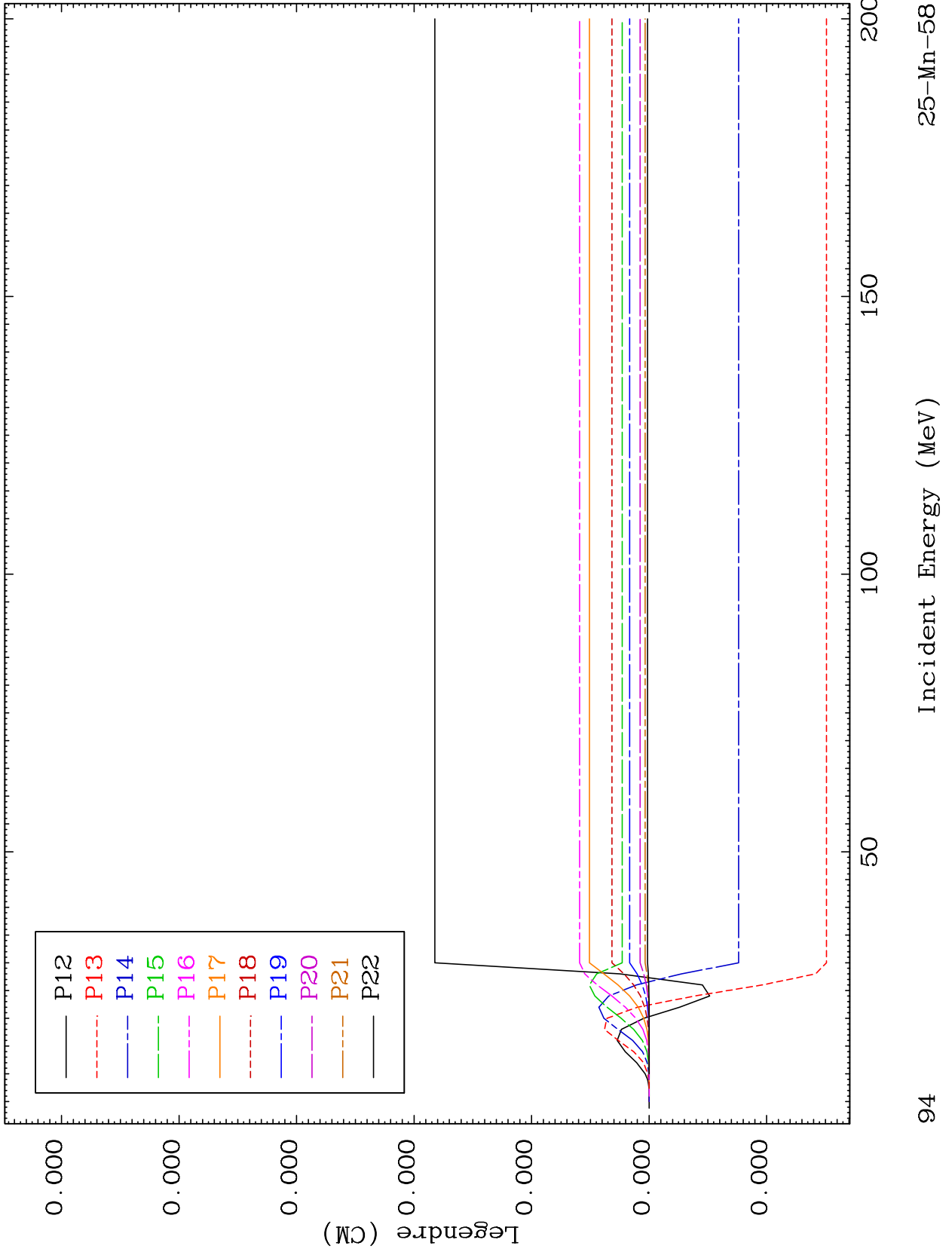


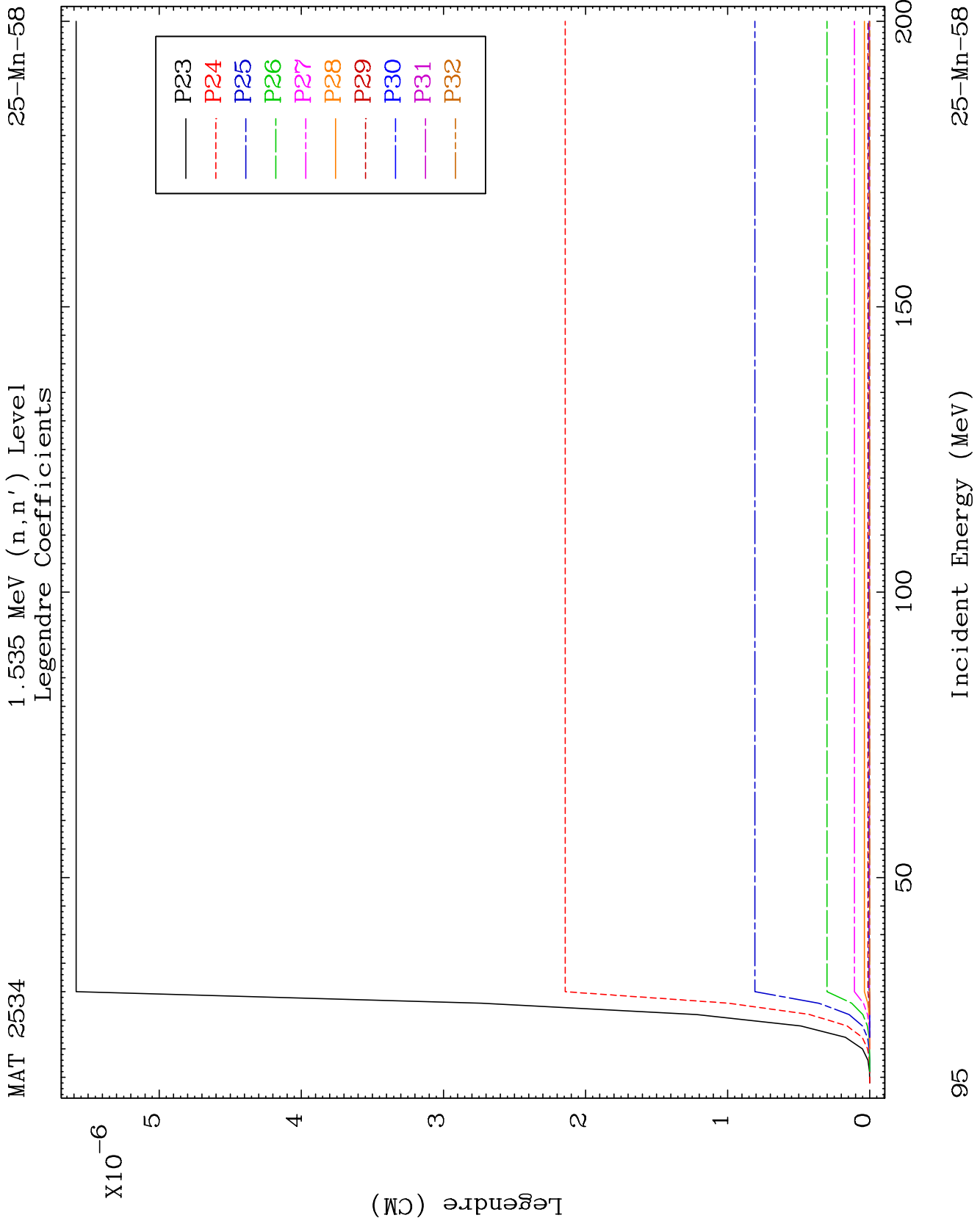
MAT 2534

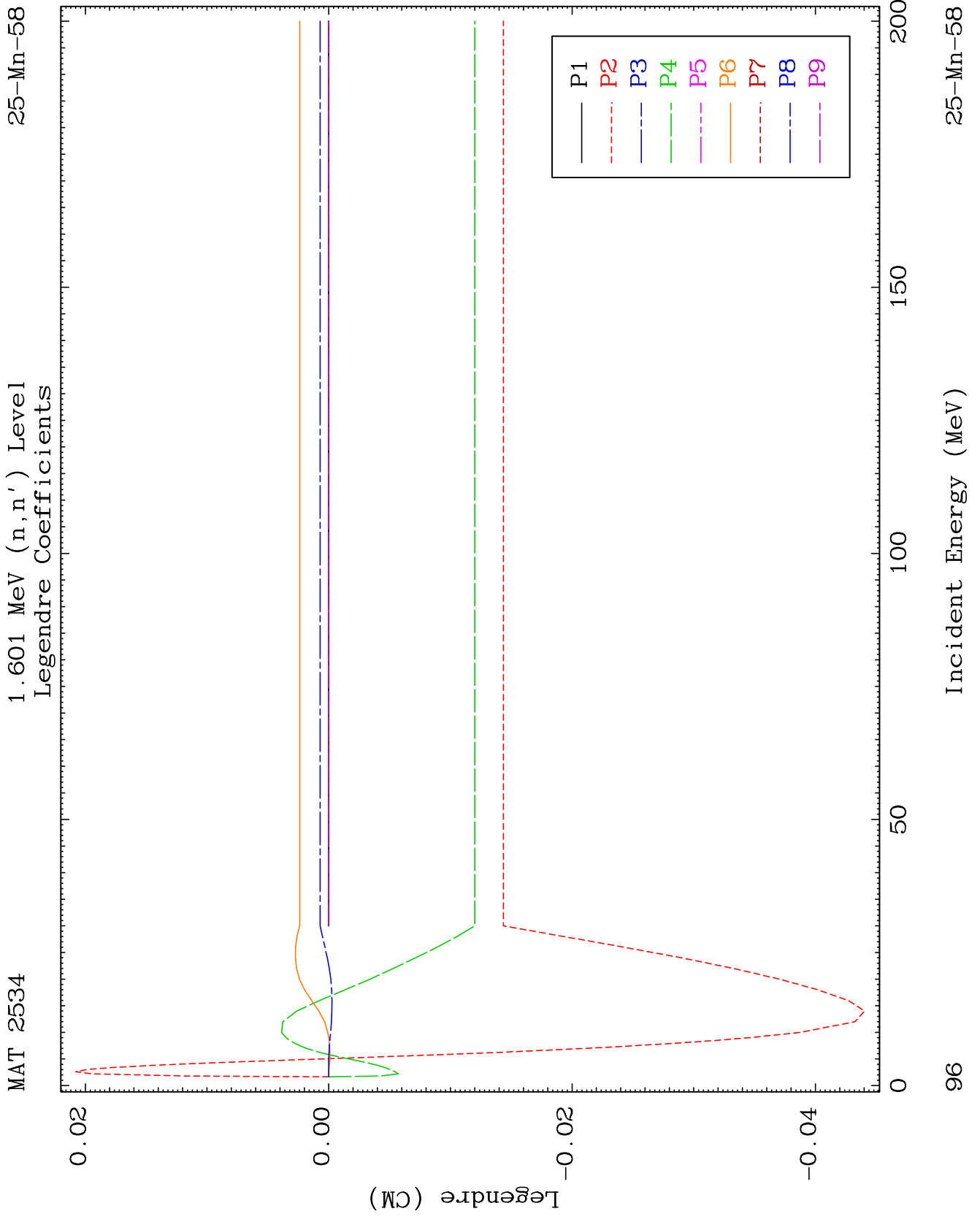
1.535 MeV (n,n') Level
Legendre Coefficients

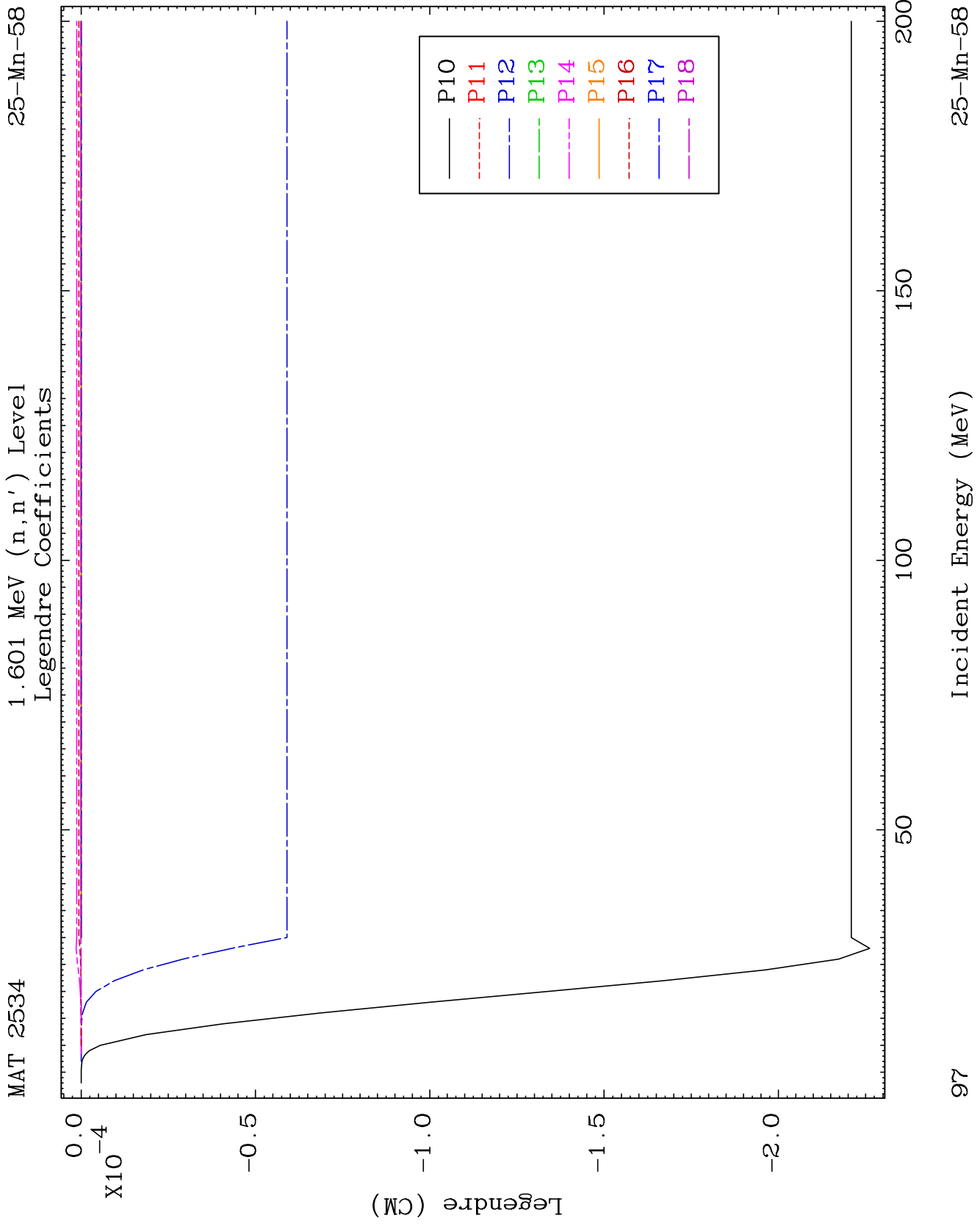
25-Mn-58

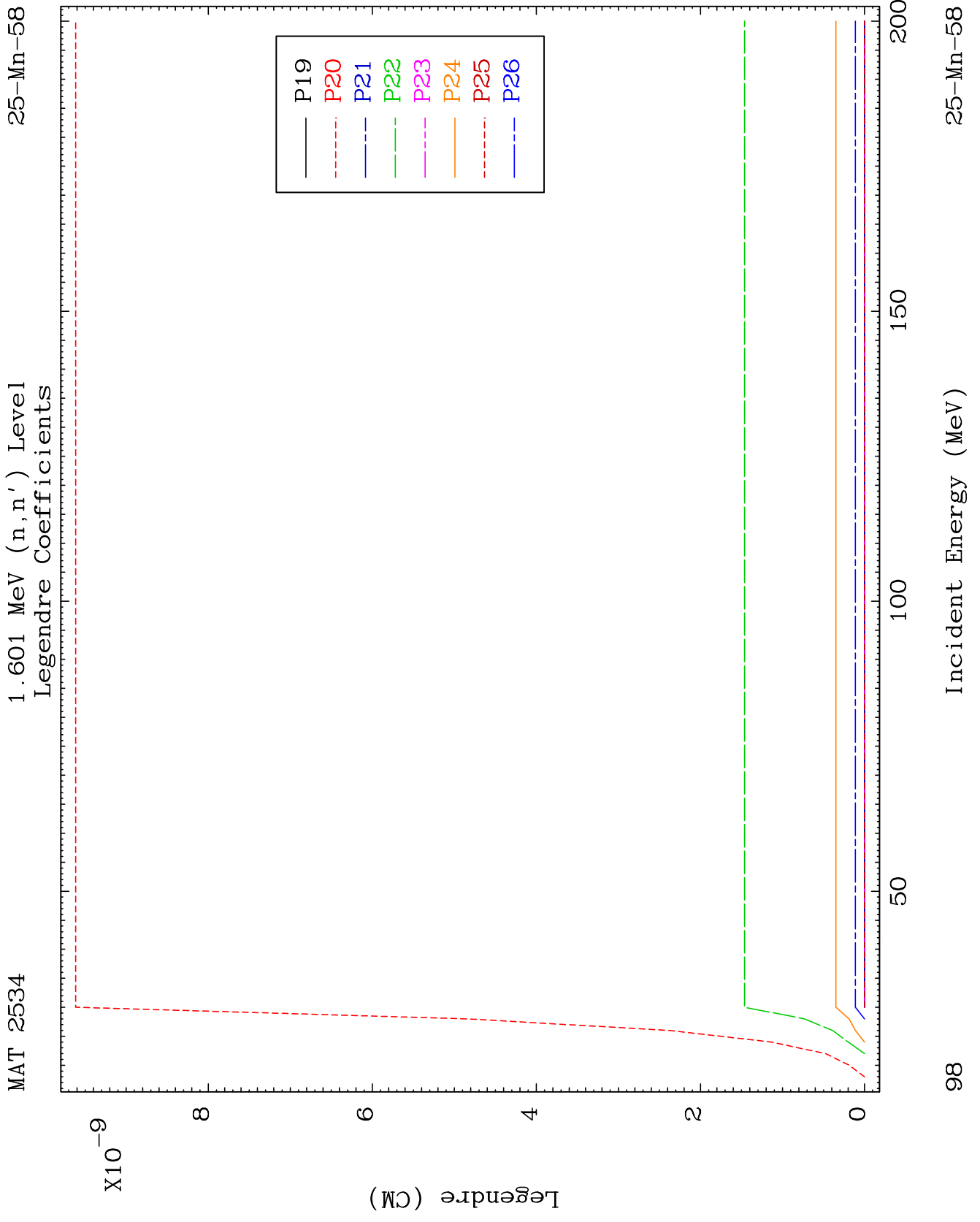


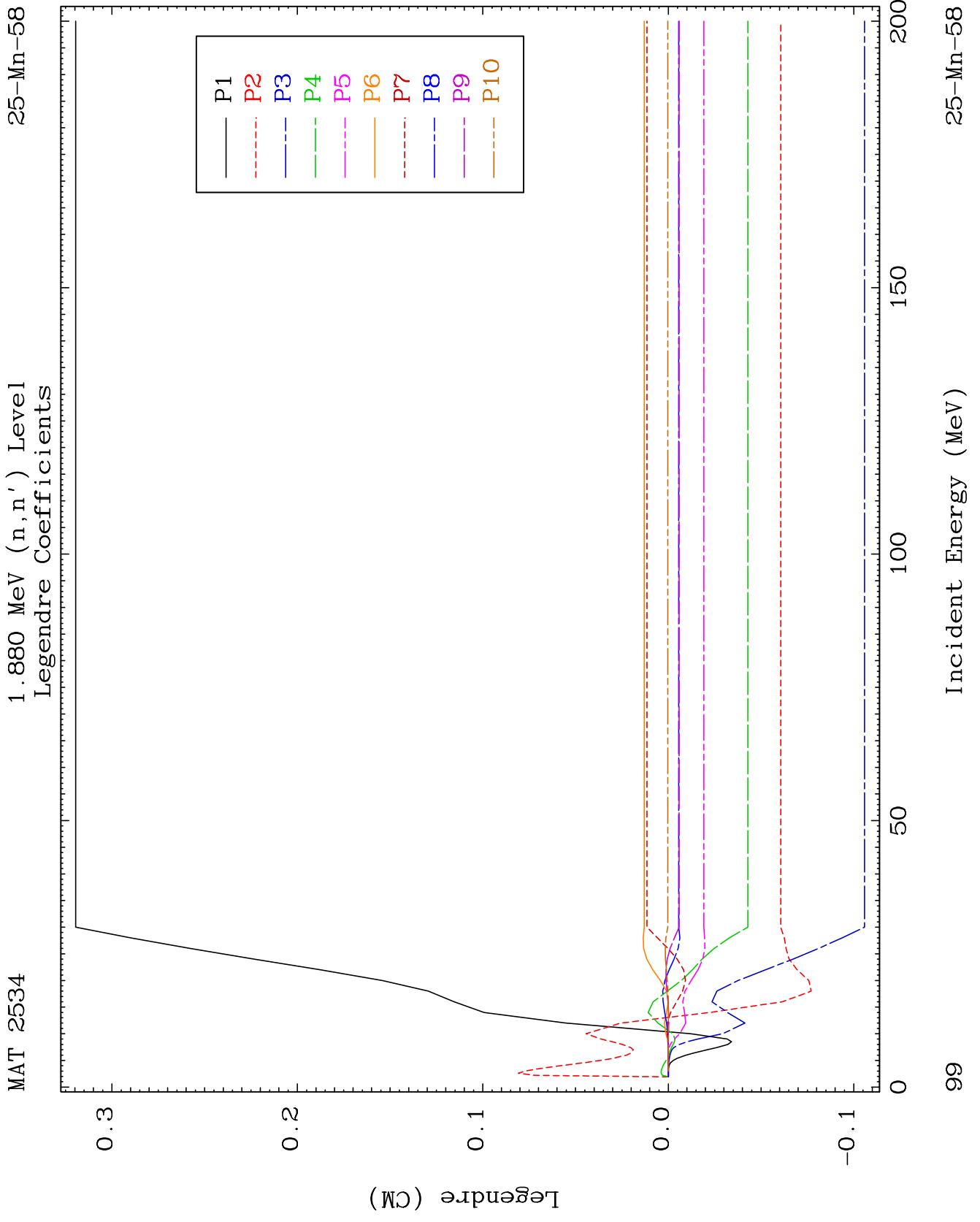


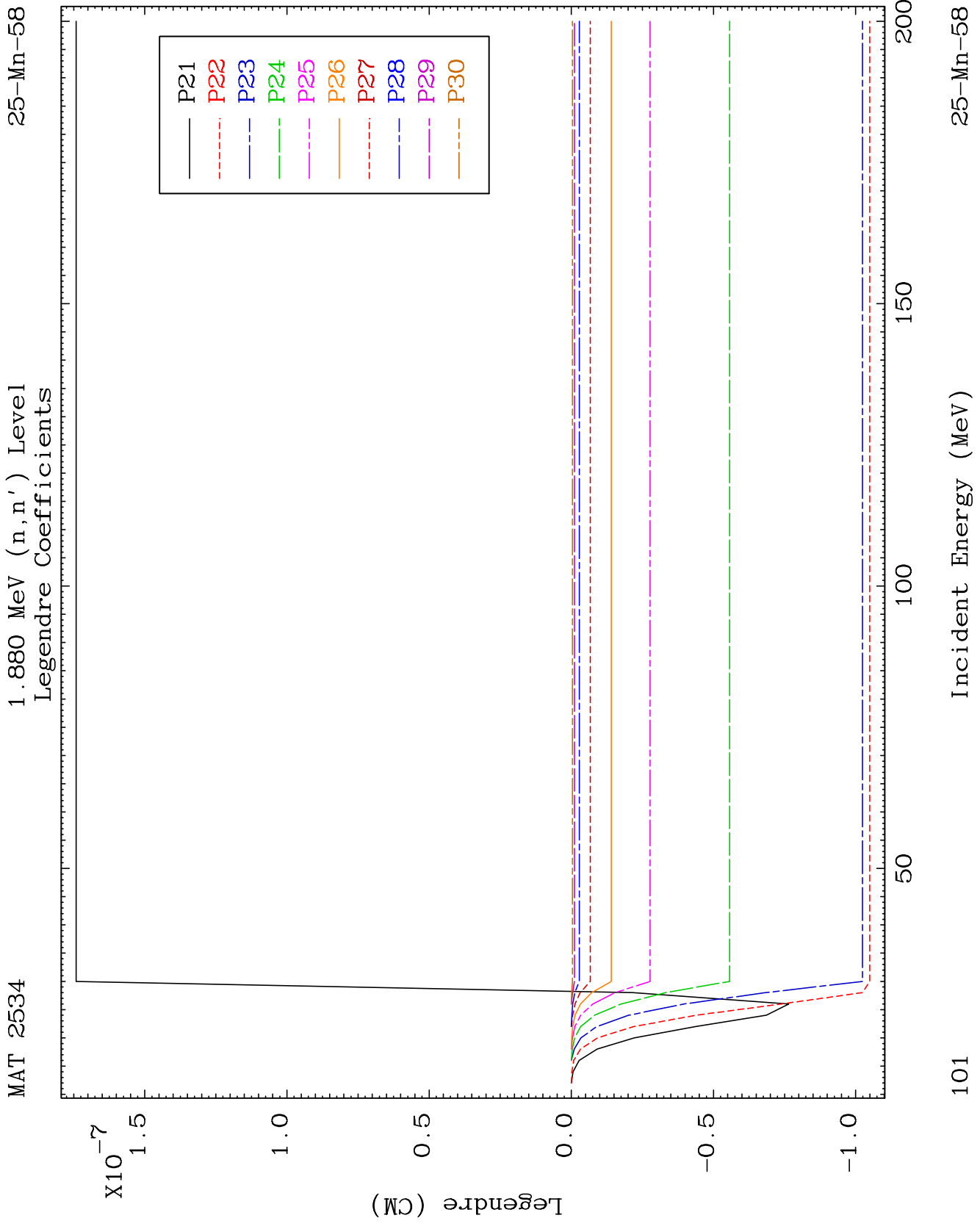


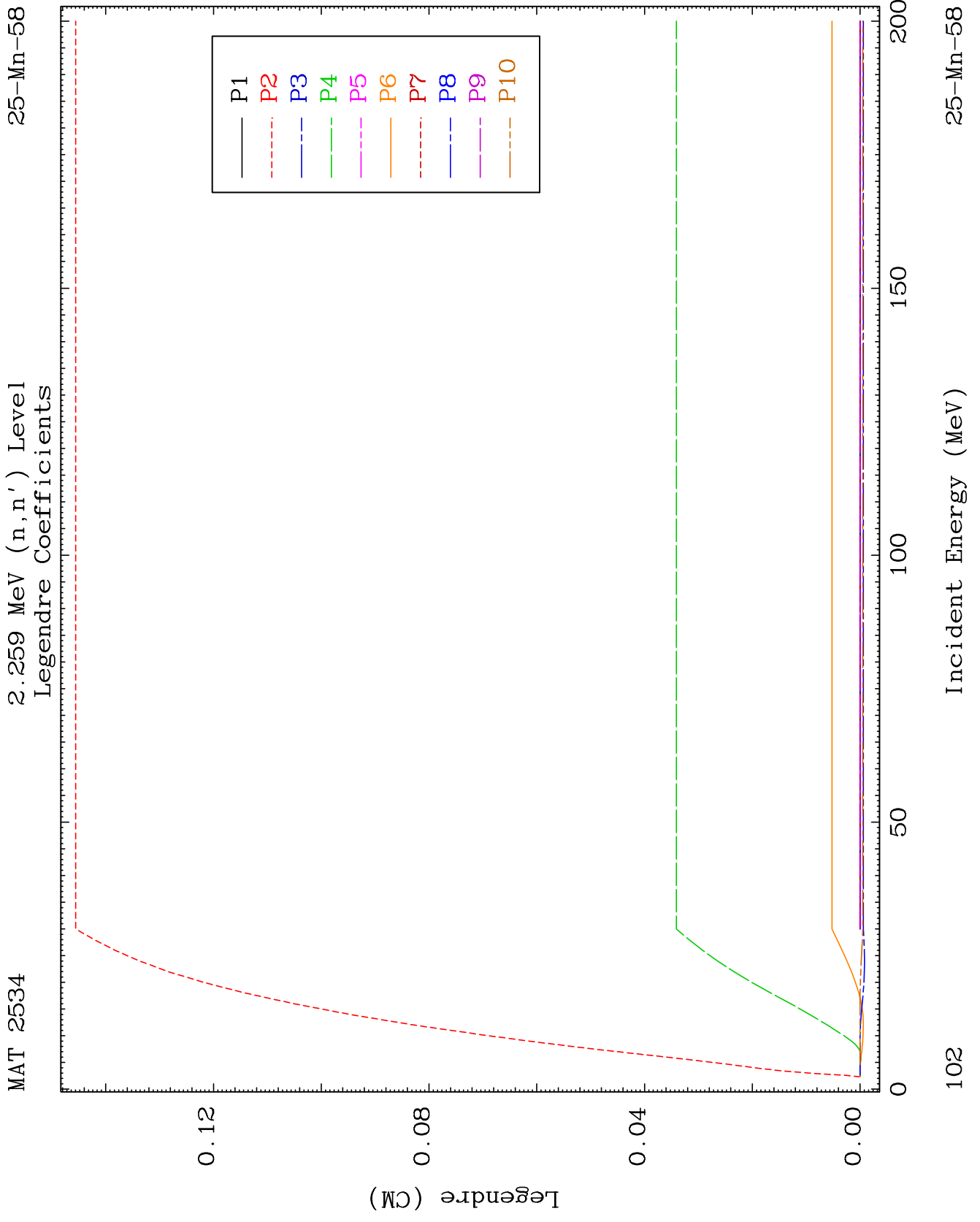


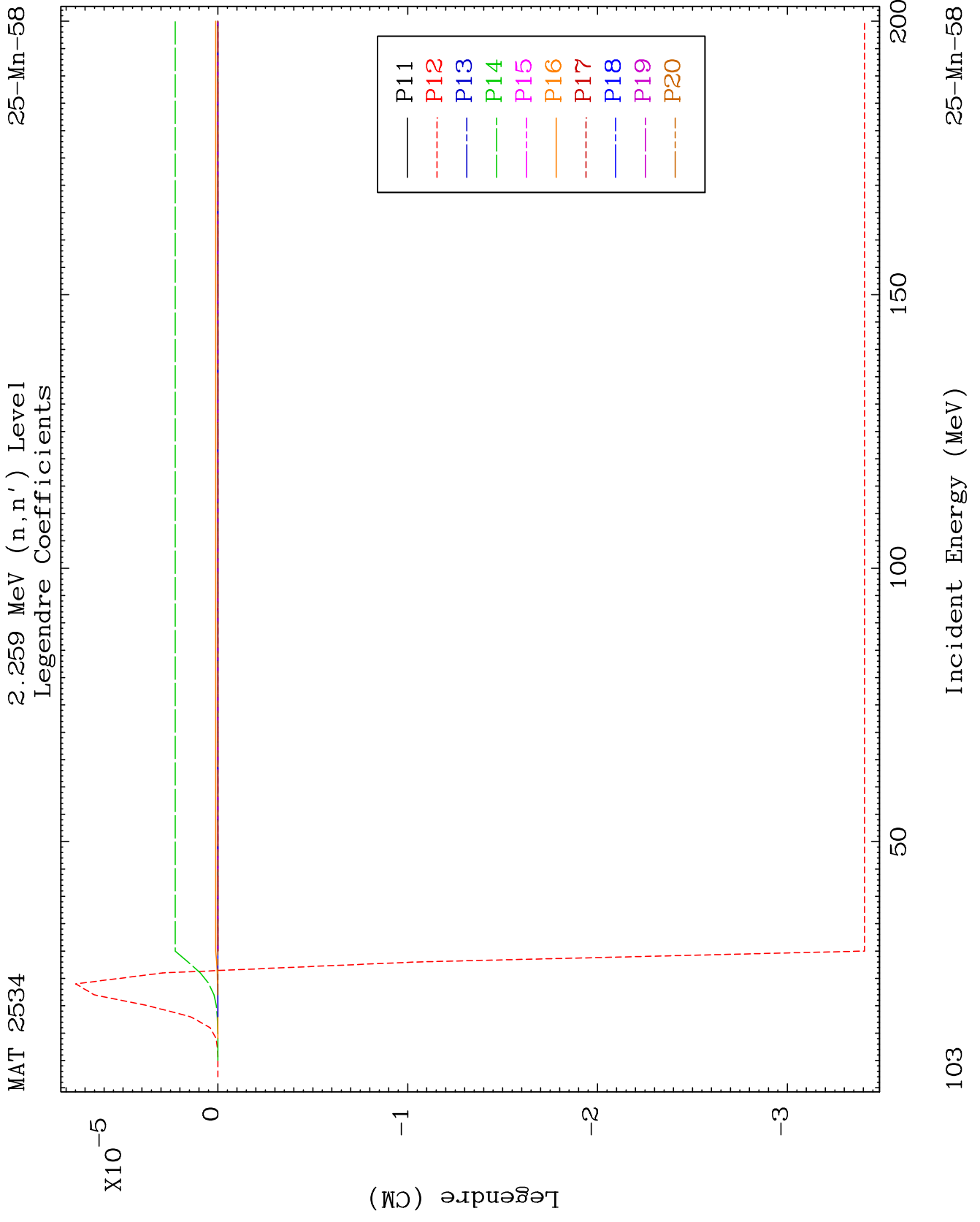








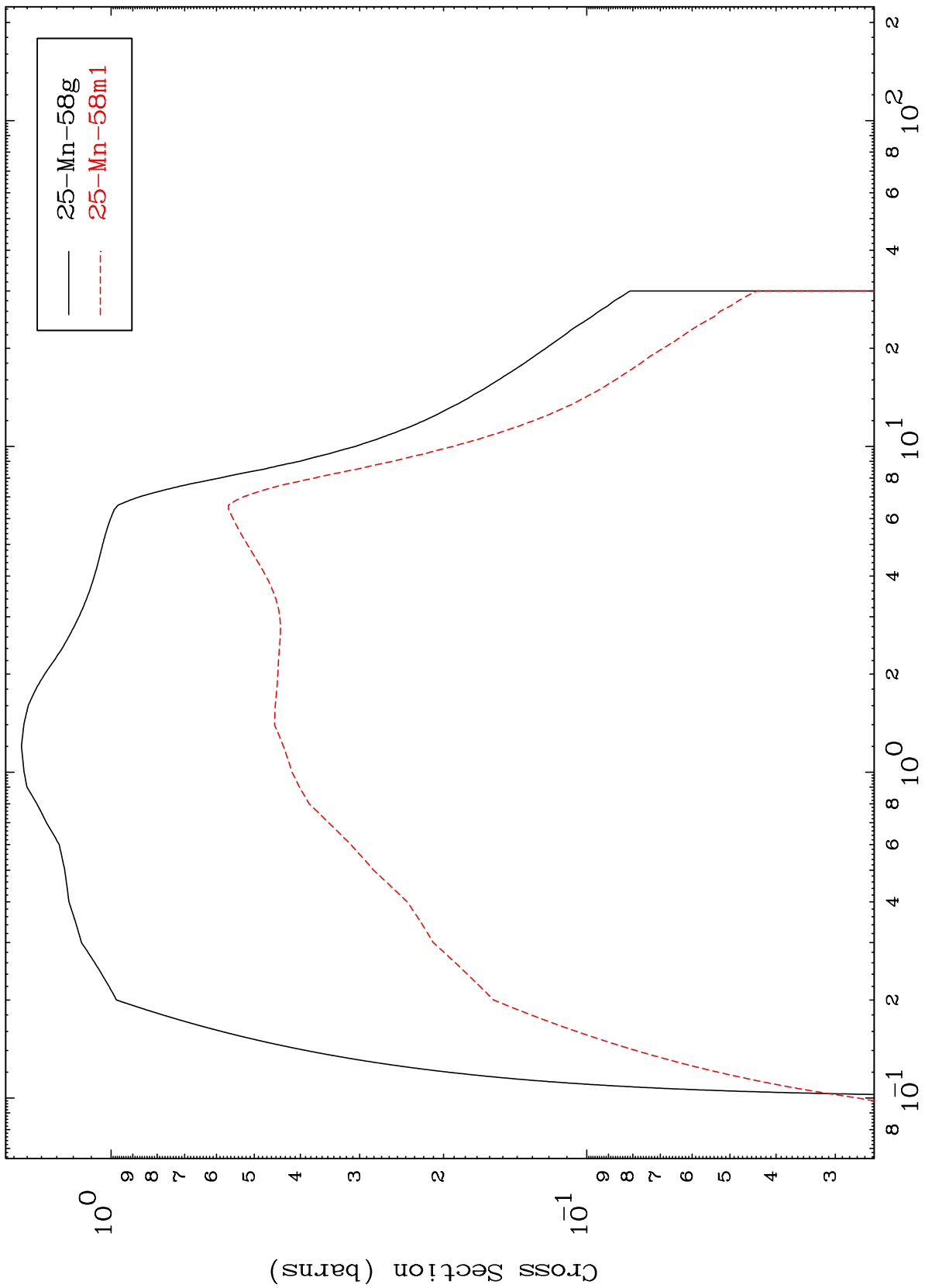




MAT 2534

25-Mn-58

Inelastic
Radionuclide Production Cross Section



104

Incident Energy (MeV)

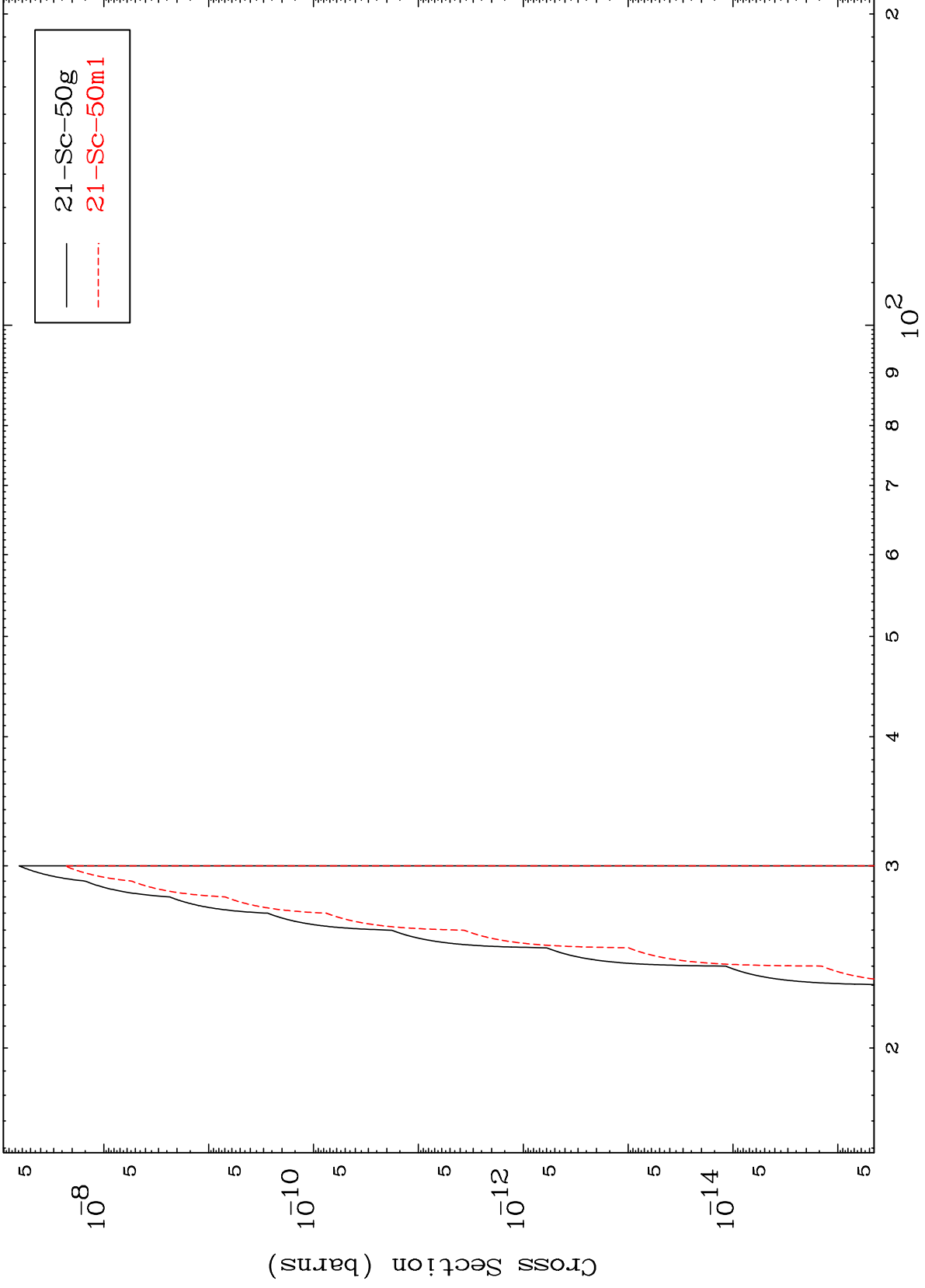
25-Mn-58

MAT 2534

(n,n') 2α

25-Mn-58

Radionuclide Production Cross Section



— 21-Sc-50g
- - - 21-Sc-50m1

105

Incident Energy (MeV)

25-Mn-58