

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

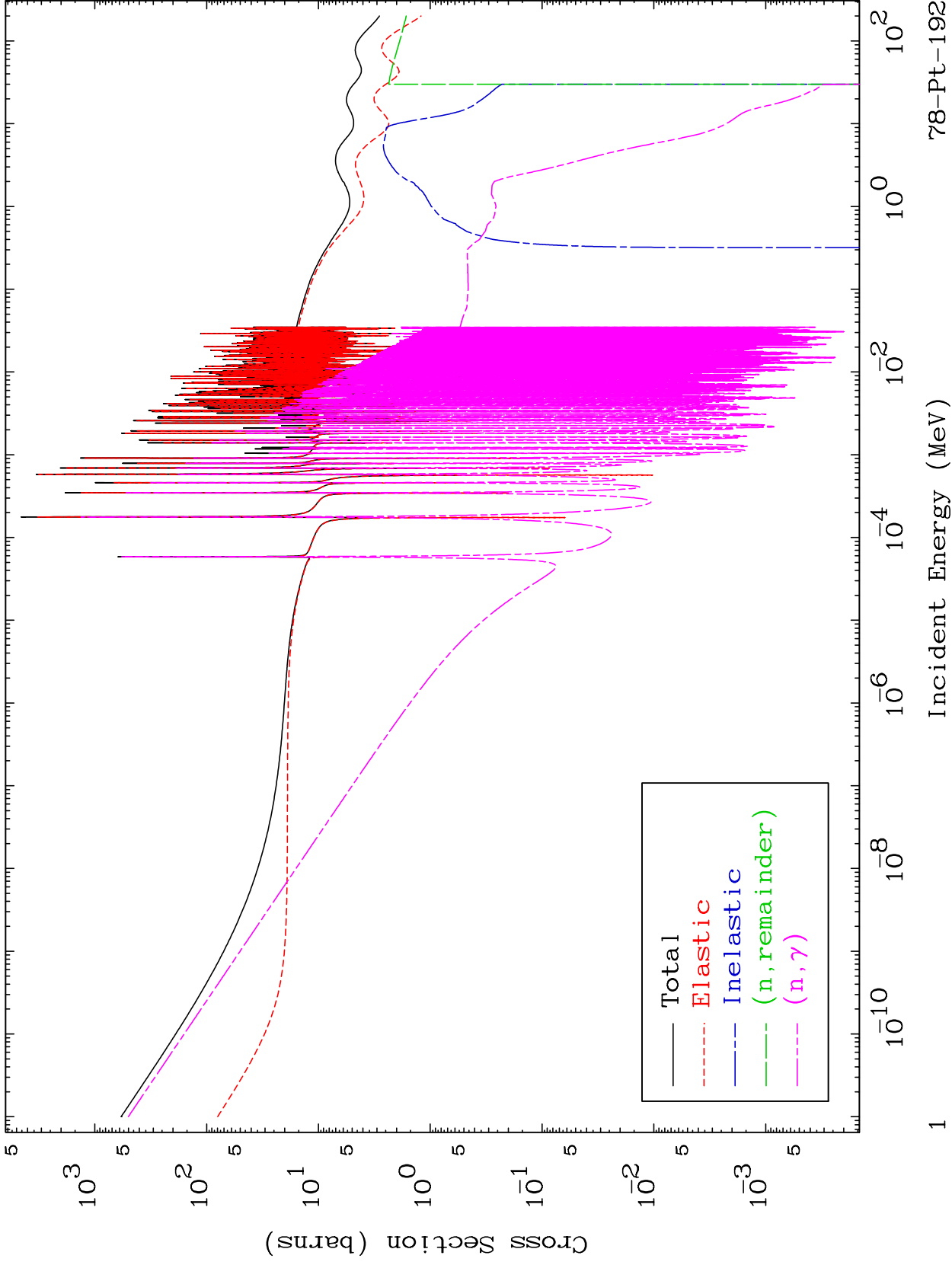
Press Mouse Button to Start

MAT 7831

Major

293 Kelvin Cross Sections

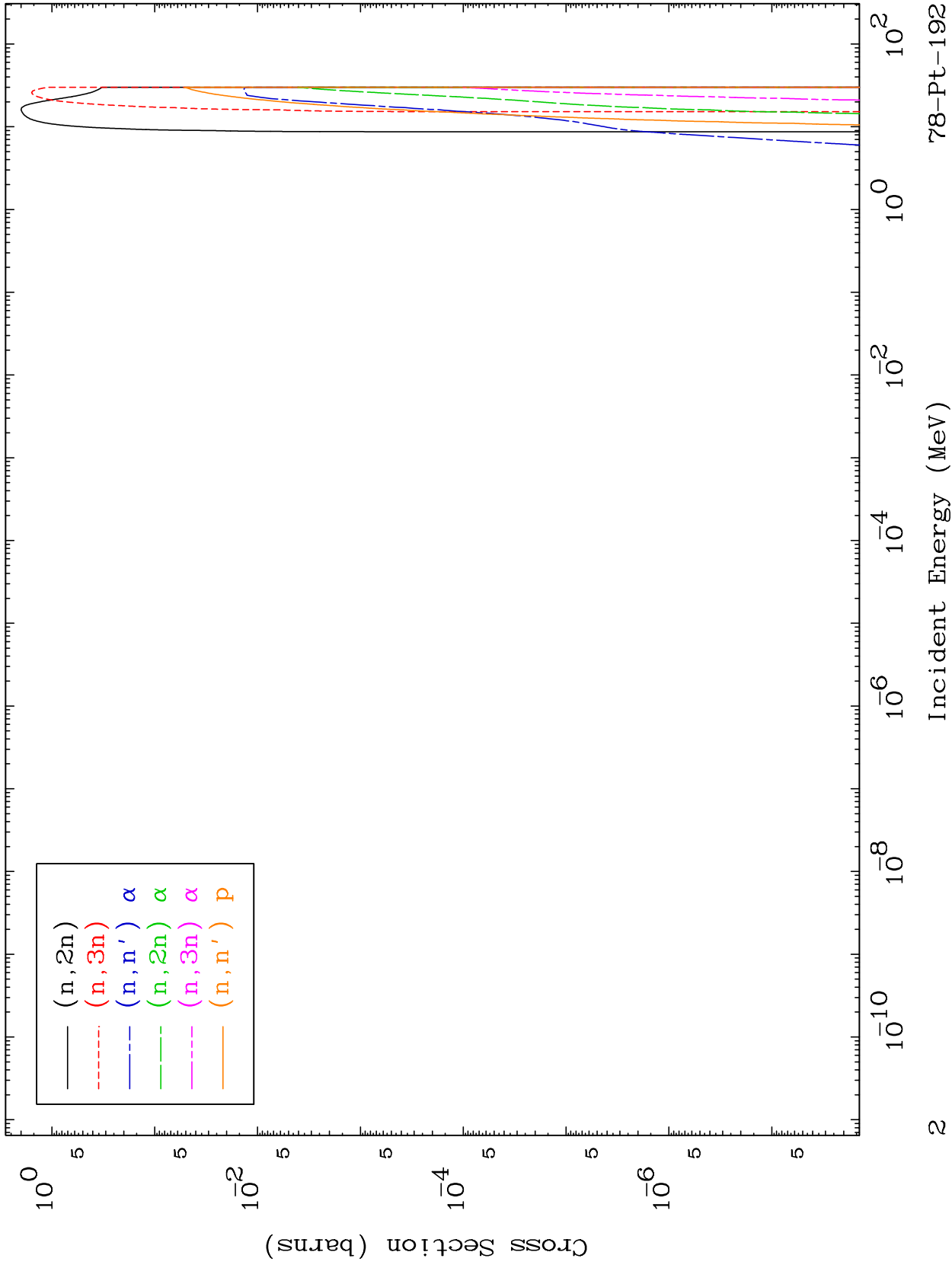
78-Pt-192

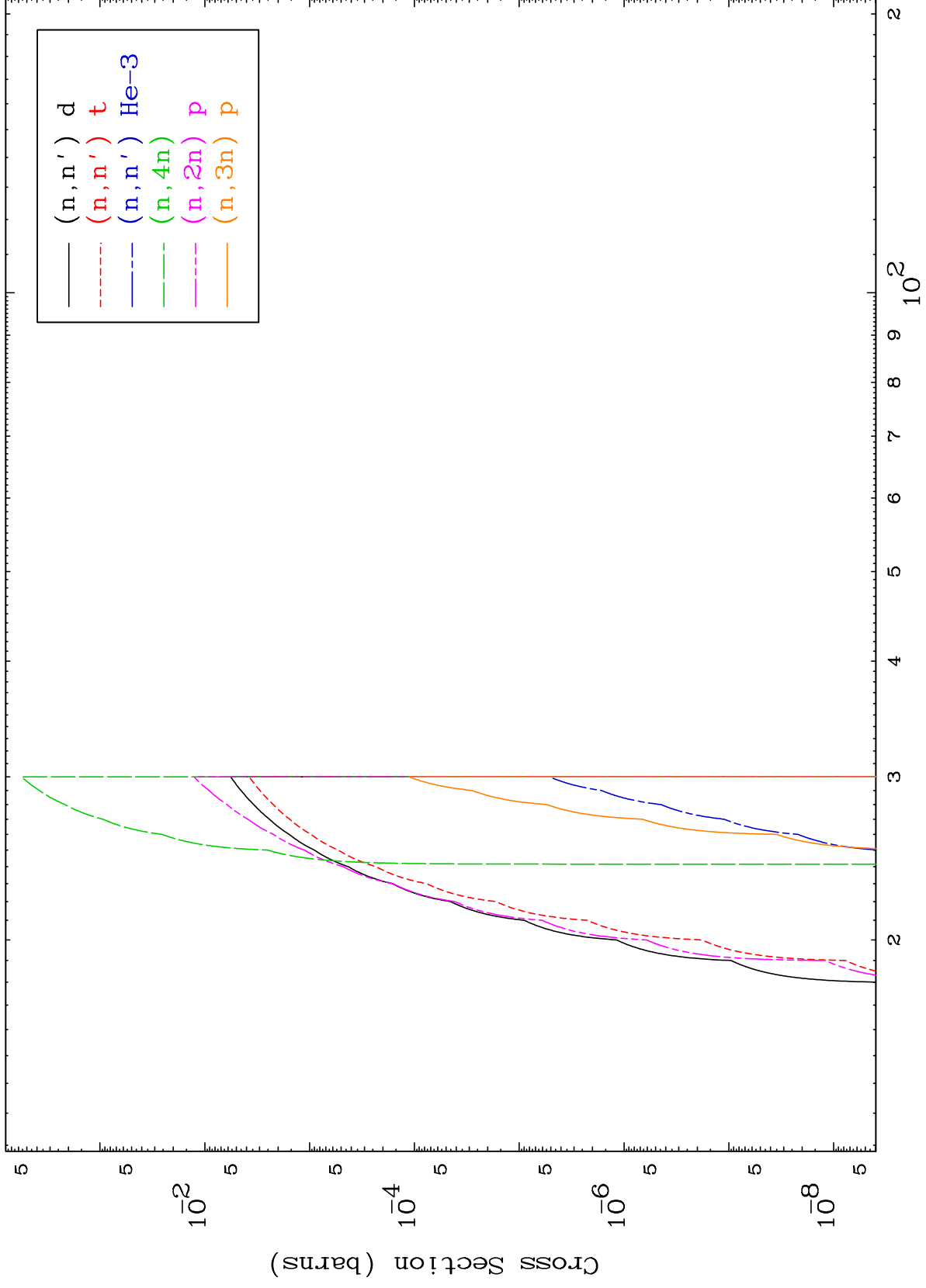


MAT 7831

Neutron Production  
293 Kelvin Cross Sections

78-Pt-192

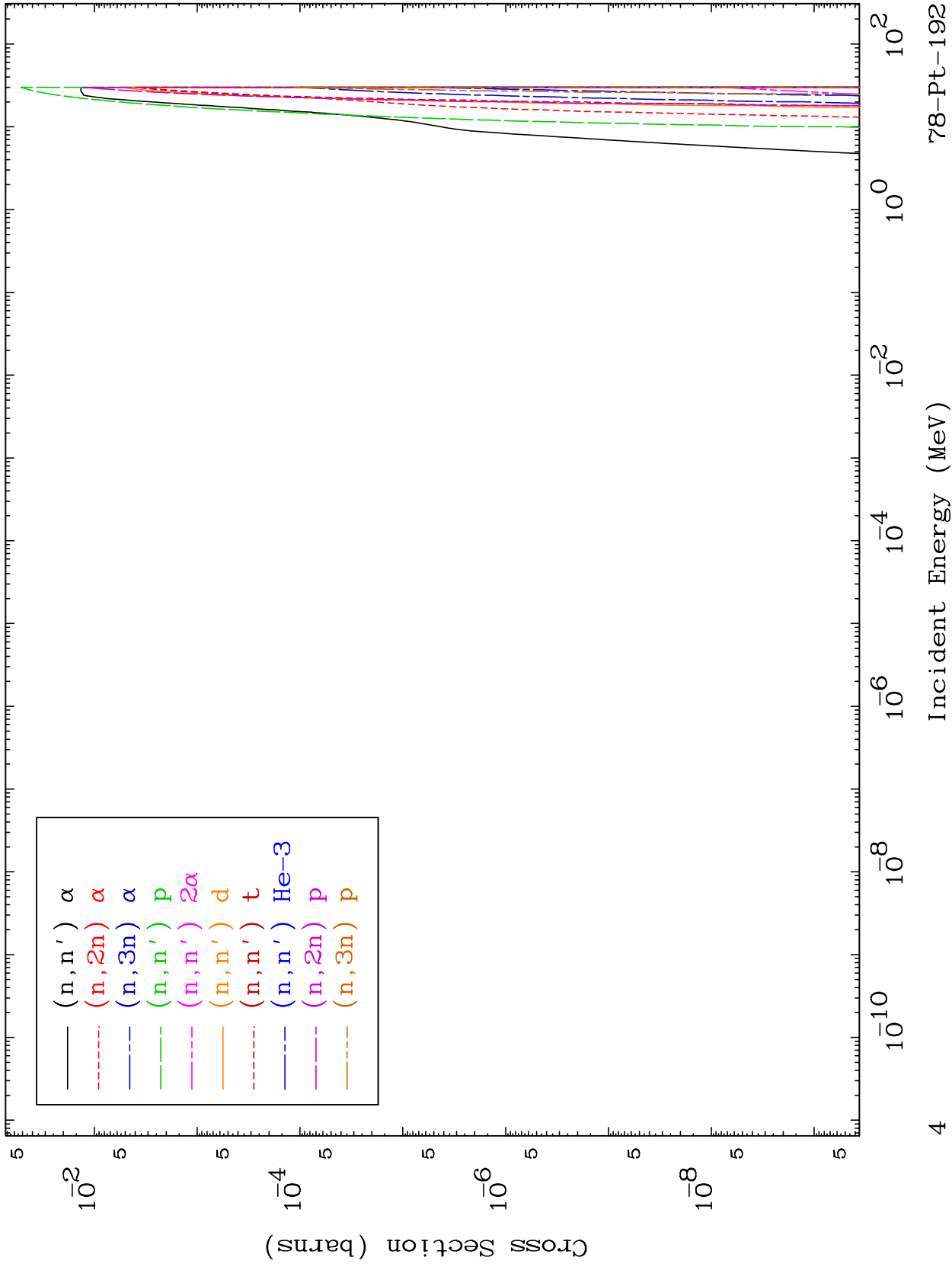




MAT 7831

Charged Particle  
293 Kelvin Cross Sections

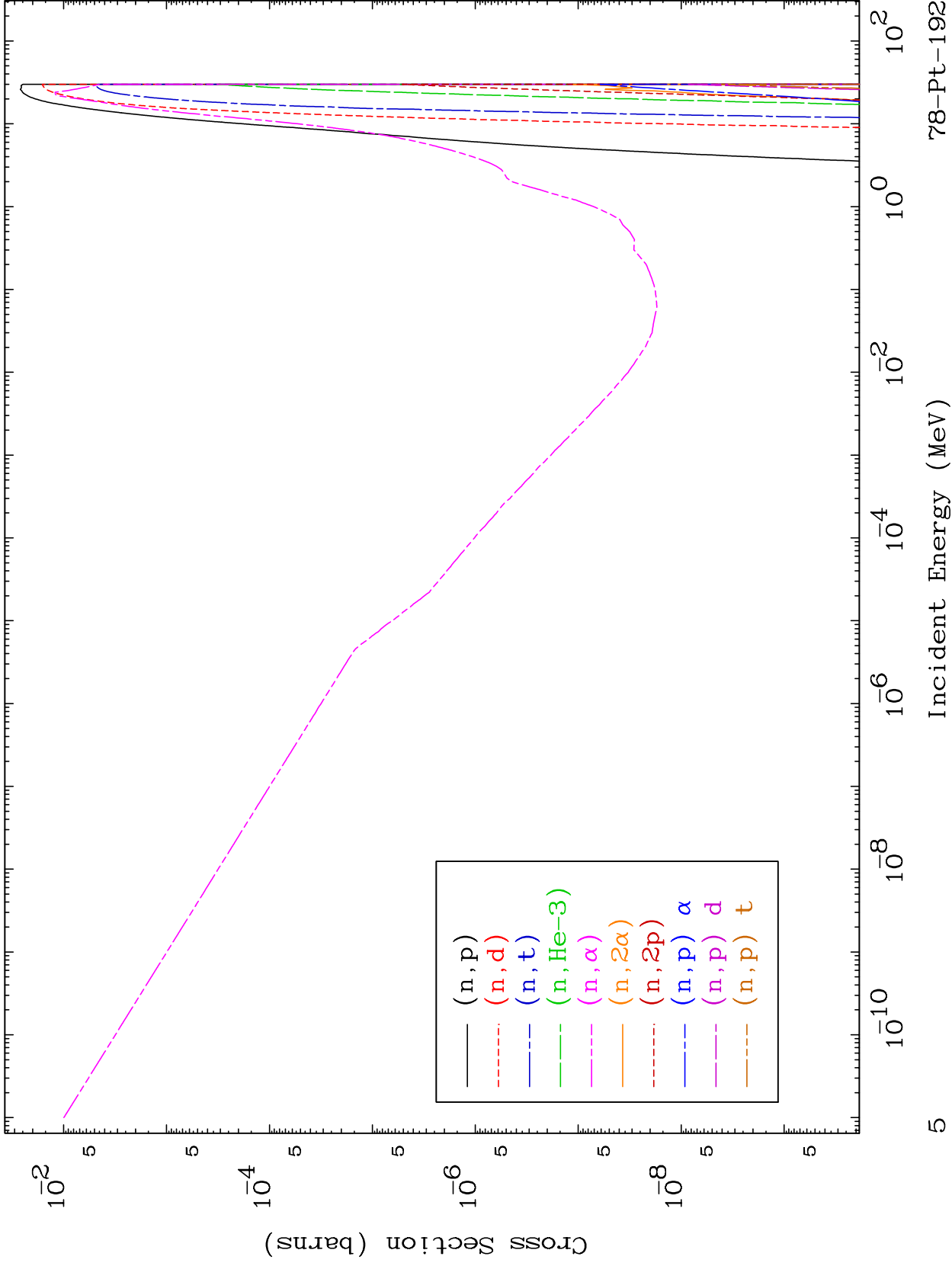
78-Pt-192



MAT 7831

Charged Particle  
293 Kelvin Cross Sections

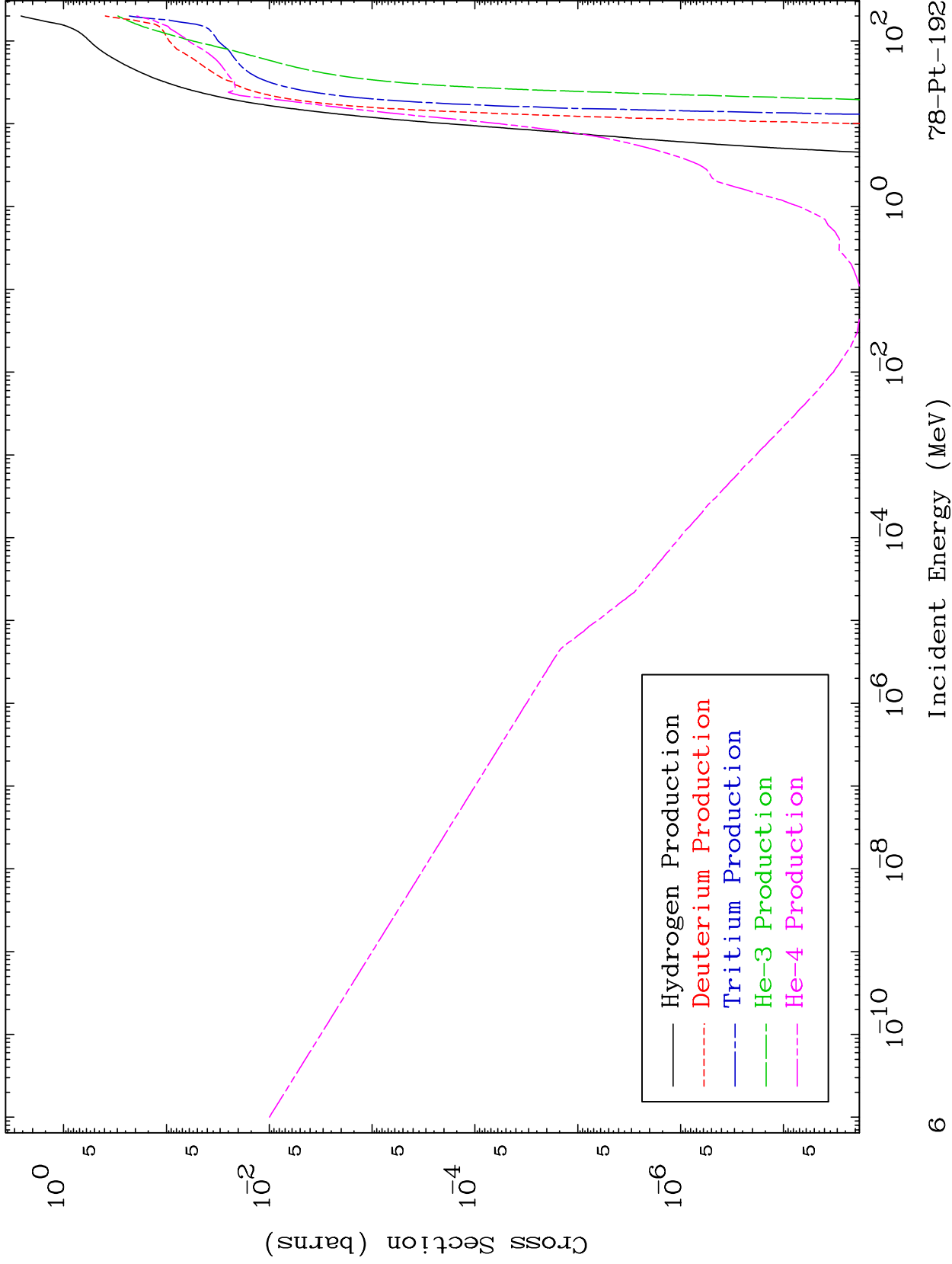
78-Pt-192



MAT 7831

Particle Production  
293 Kelvin Cross Sections

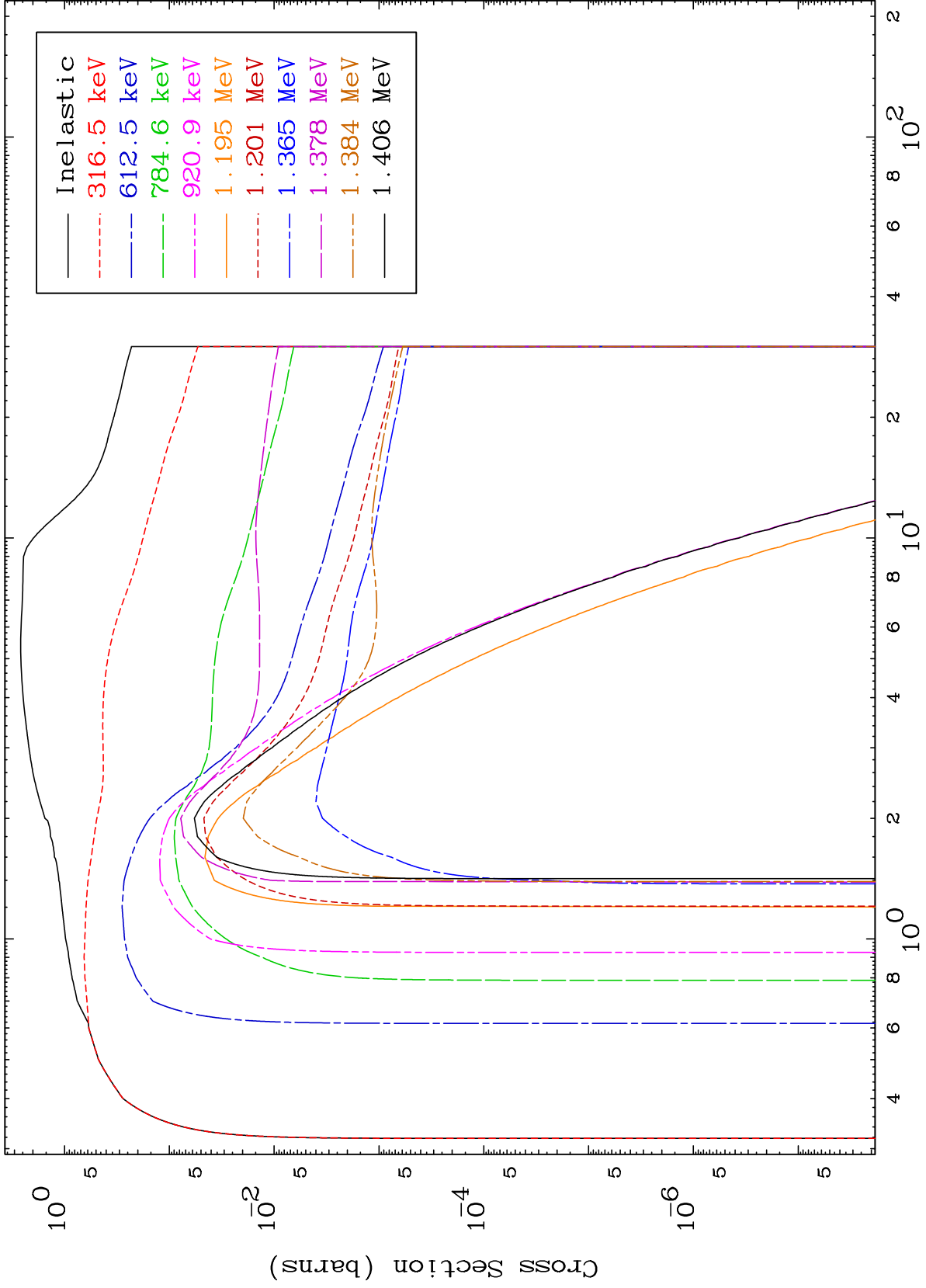
78-Pt-192



MAT 7831

(n,n') Level  
293 Kelvin Cross Sections

78-Pt-192



7

Incident Energy (MeV)

78-Pt-192

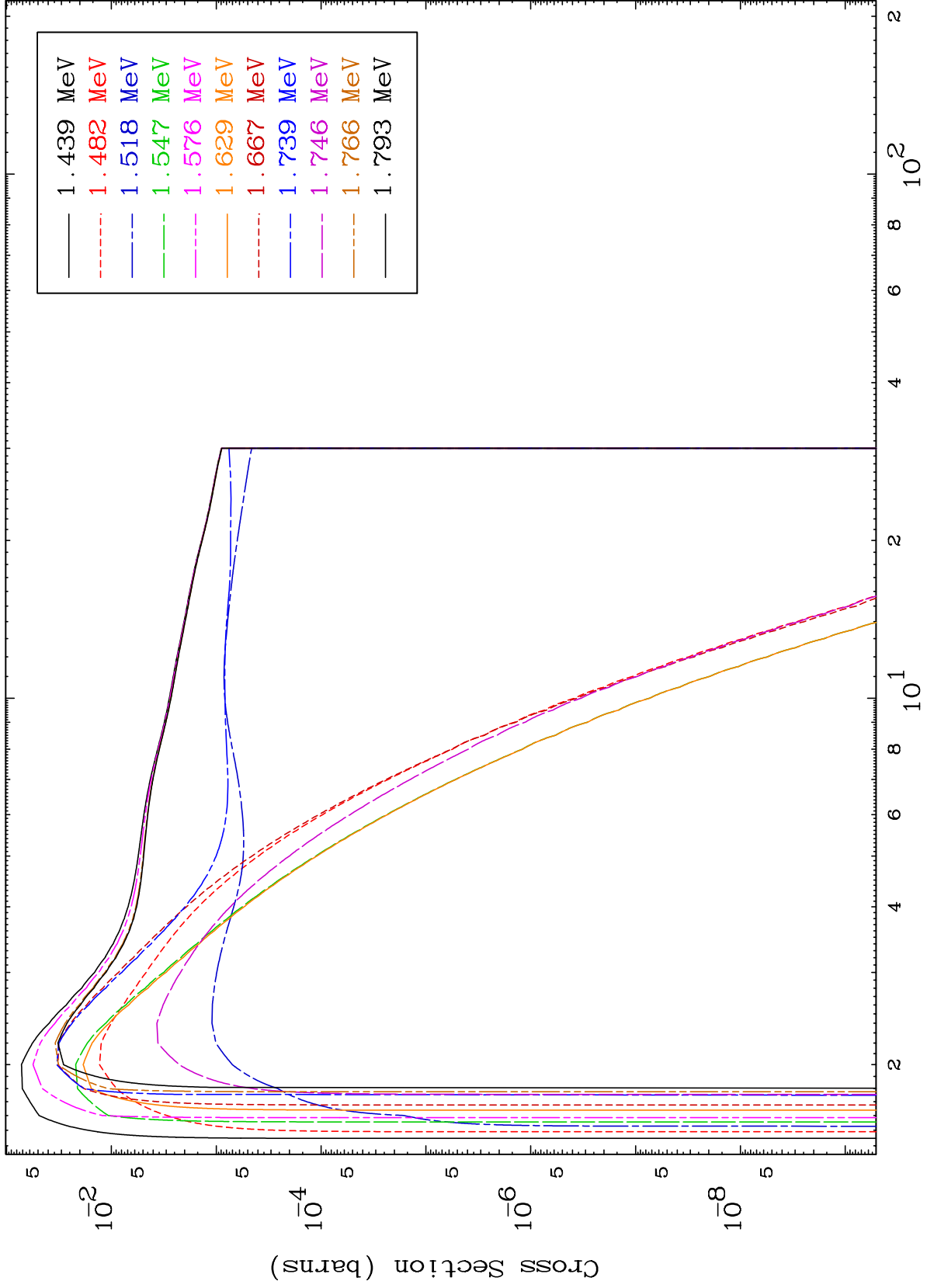


MAT 7831

(n,n') Level

78-Pt-192

293 Kelvin Cross Sections



8

Incident Energy (MeV)

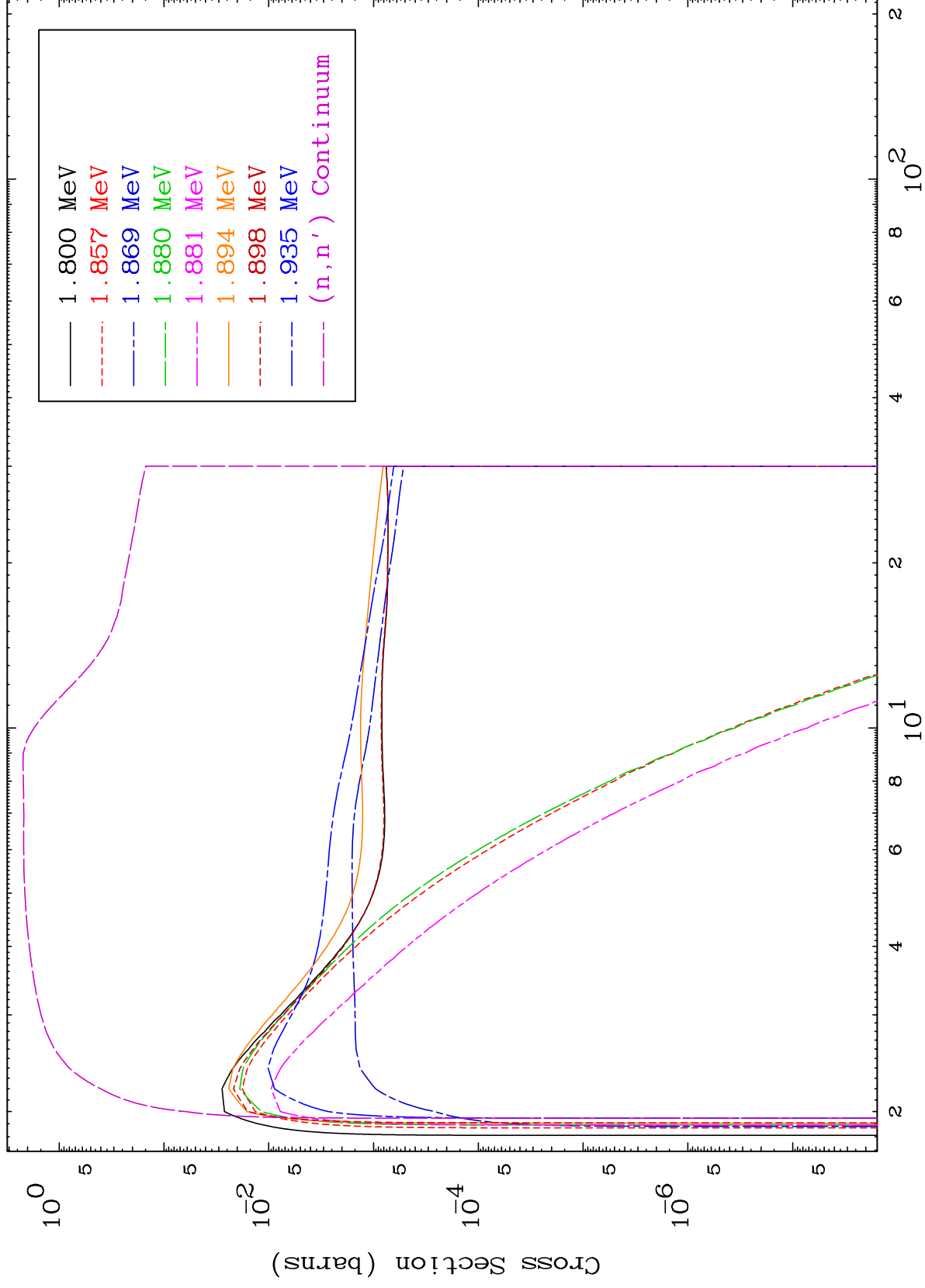
78-Pt-192

MAT 7831

(n,n') Level

78-Pt-192

293 Kelvin Cross Sections



9

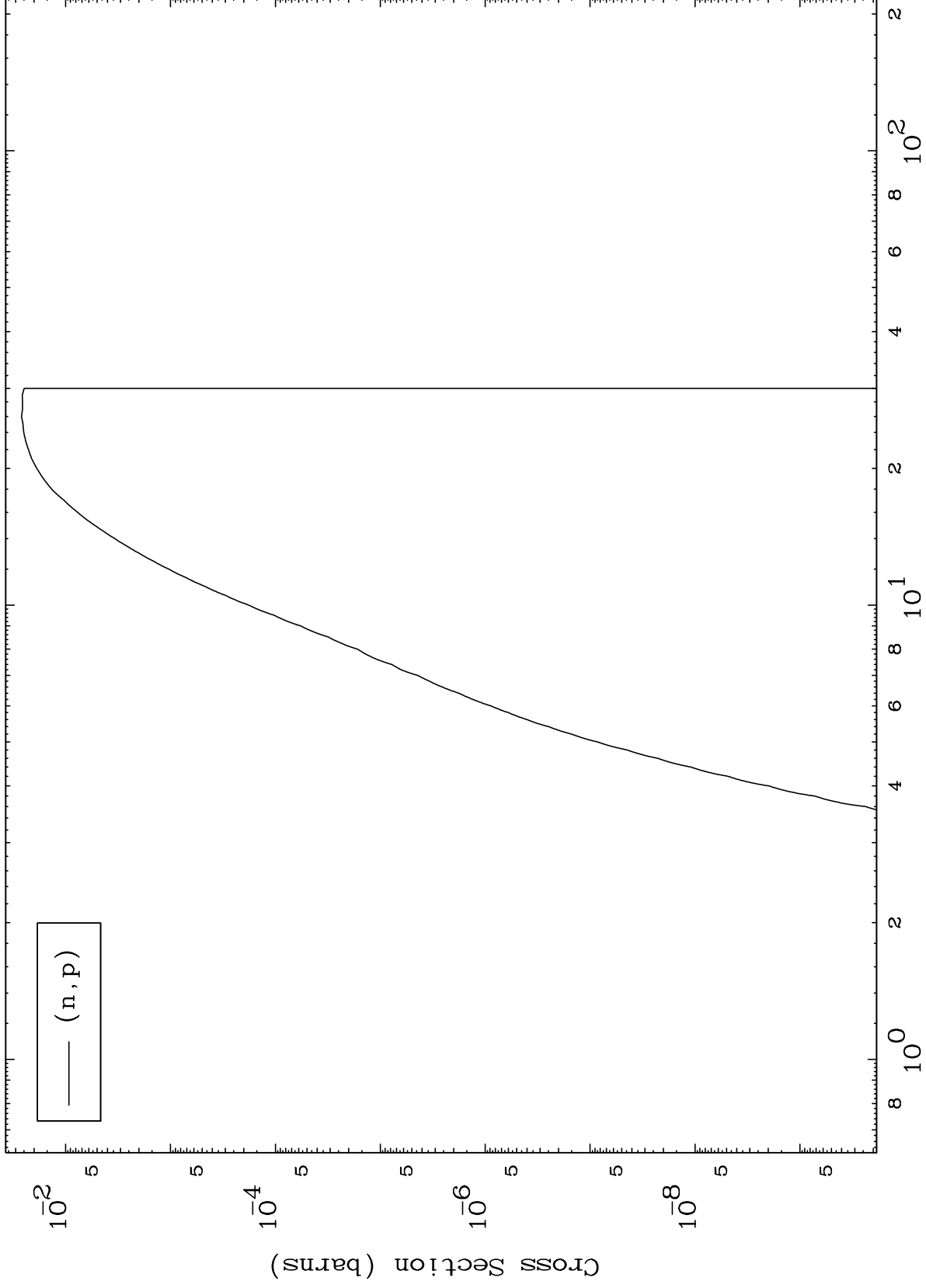
Incident Energy (MeV)

78-Pt-192

MAT 7831

(n,p) Levels  
293 Kelvin Cross Sections

78-Pt-192



10

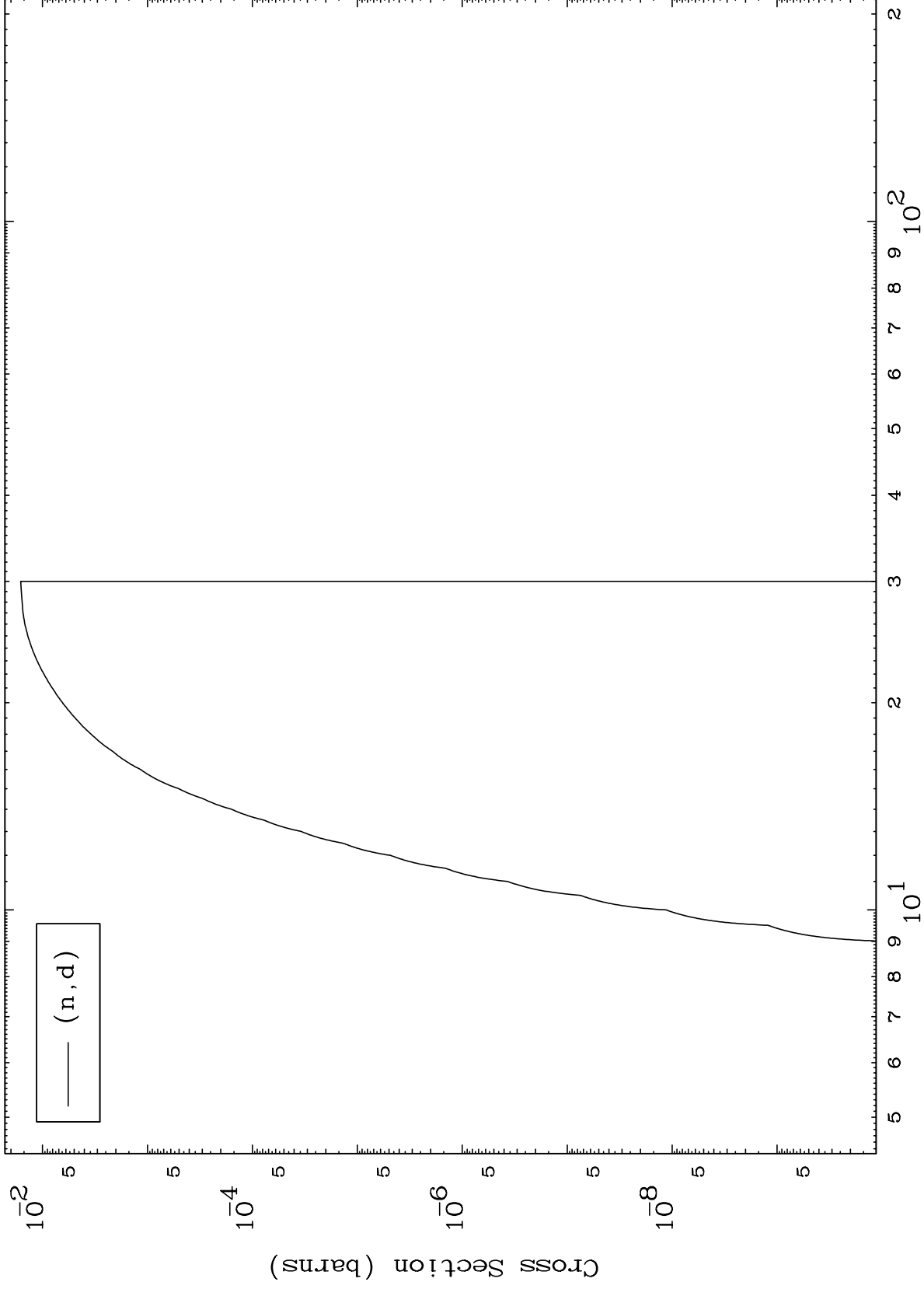
Incident Energy (MeV)

78-Pt-192

MAT 7831

(n,d) Levels  
293 Kelvin Cross Sections

78-Pt-192



11

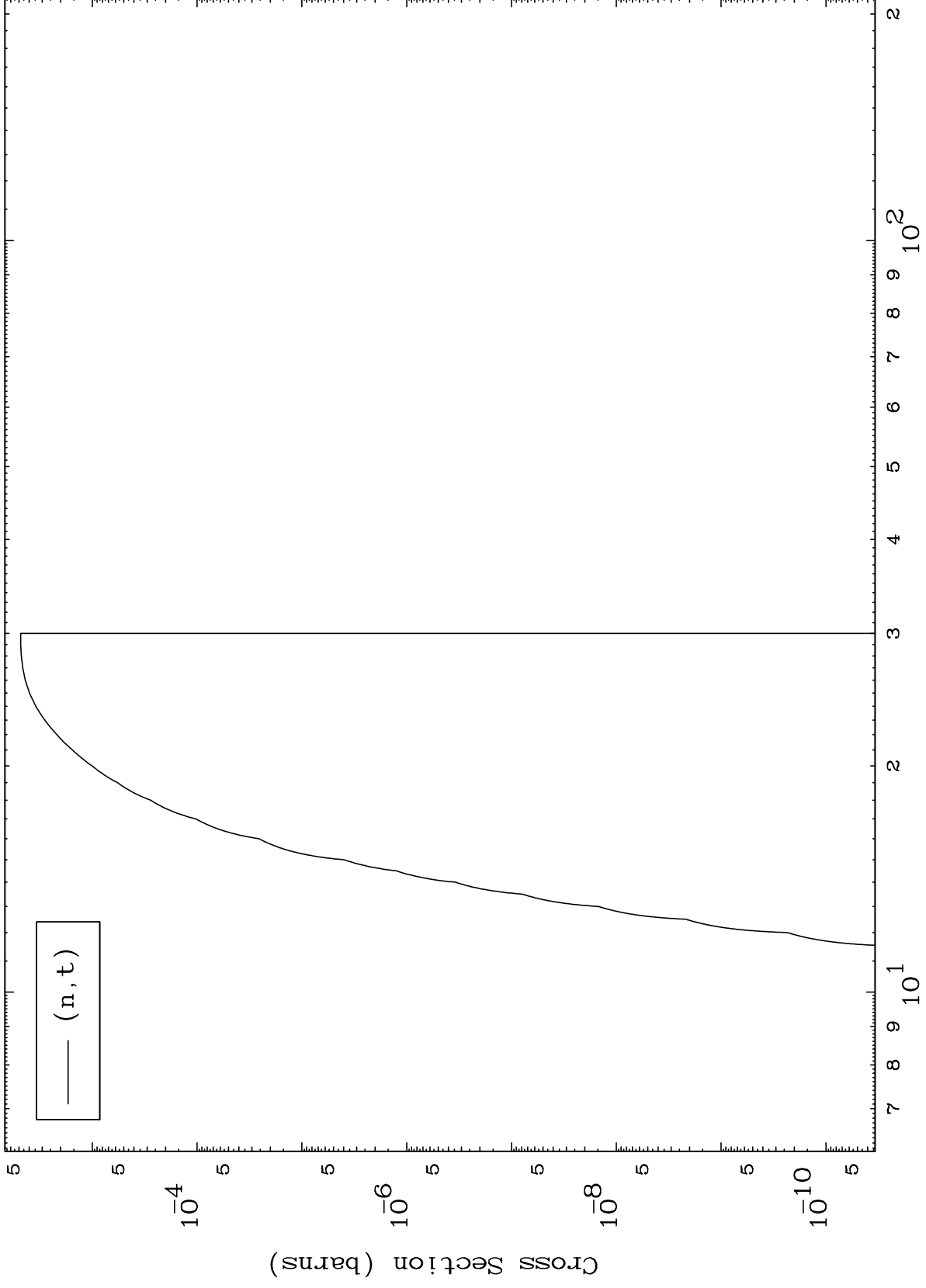
Incident Energy (MeV)

78-Pt-192

MAT 7831

(n,t) Levels  
293 Kelvin Cross Sections

78-Pt-192



12

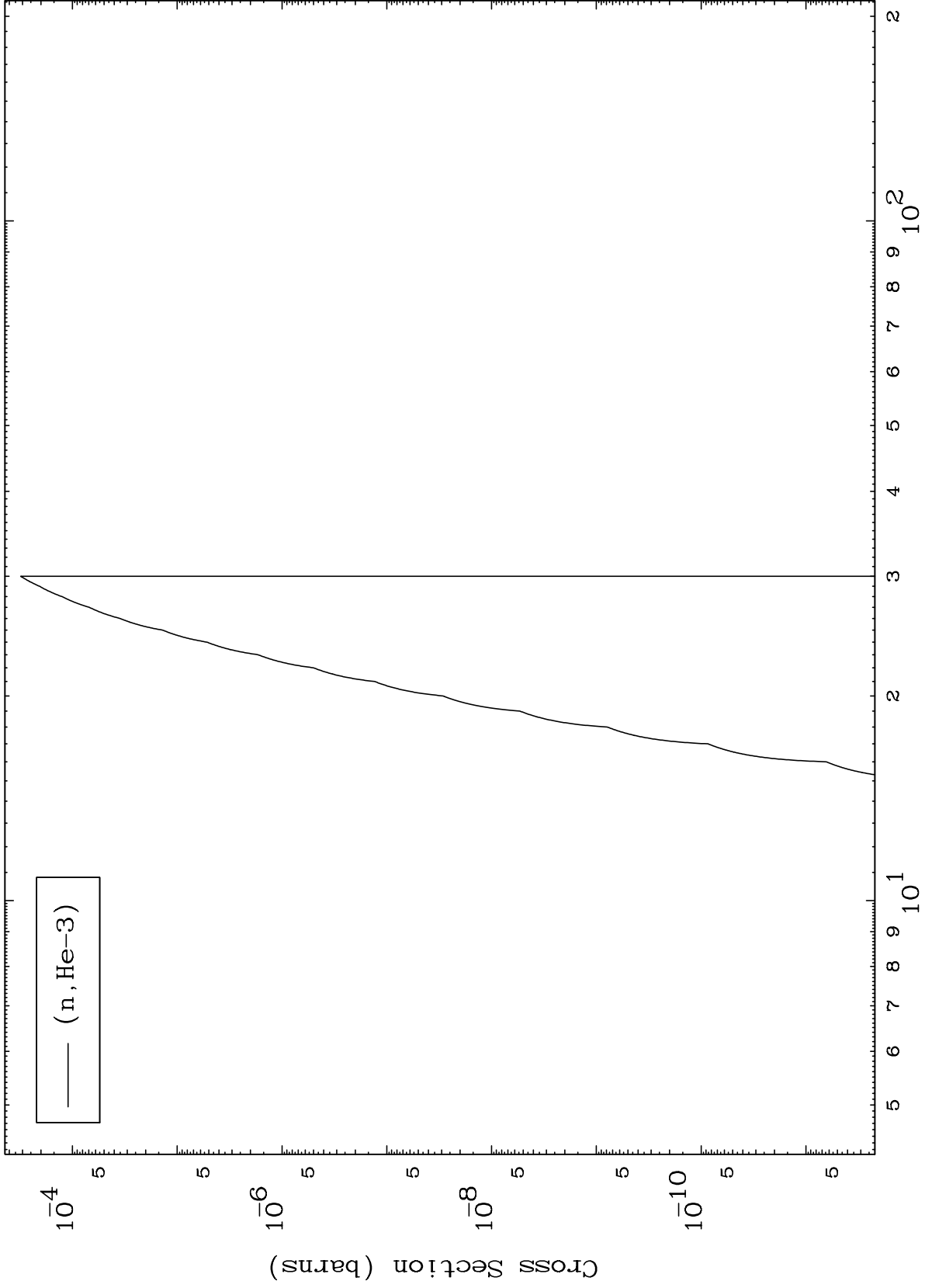
Incident Energy (MeV)

78-Pt-192

MAT 7831

(n,He3) Levels  
293 Kelvin Cross Sections

78-Pt-192



13

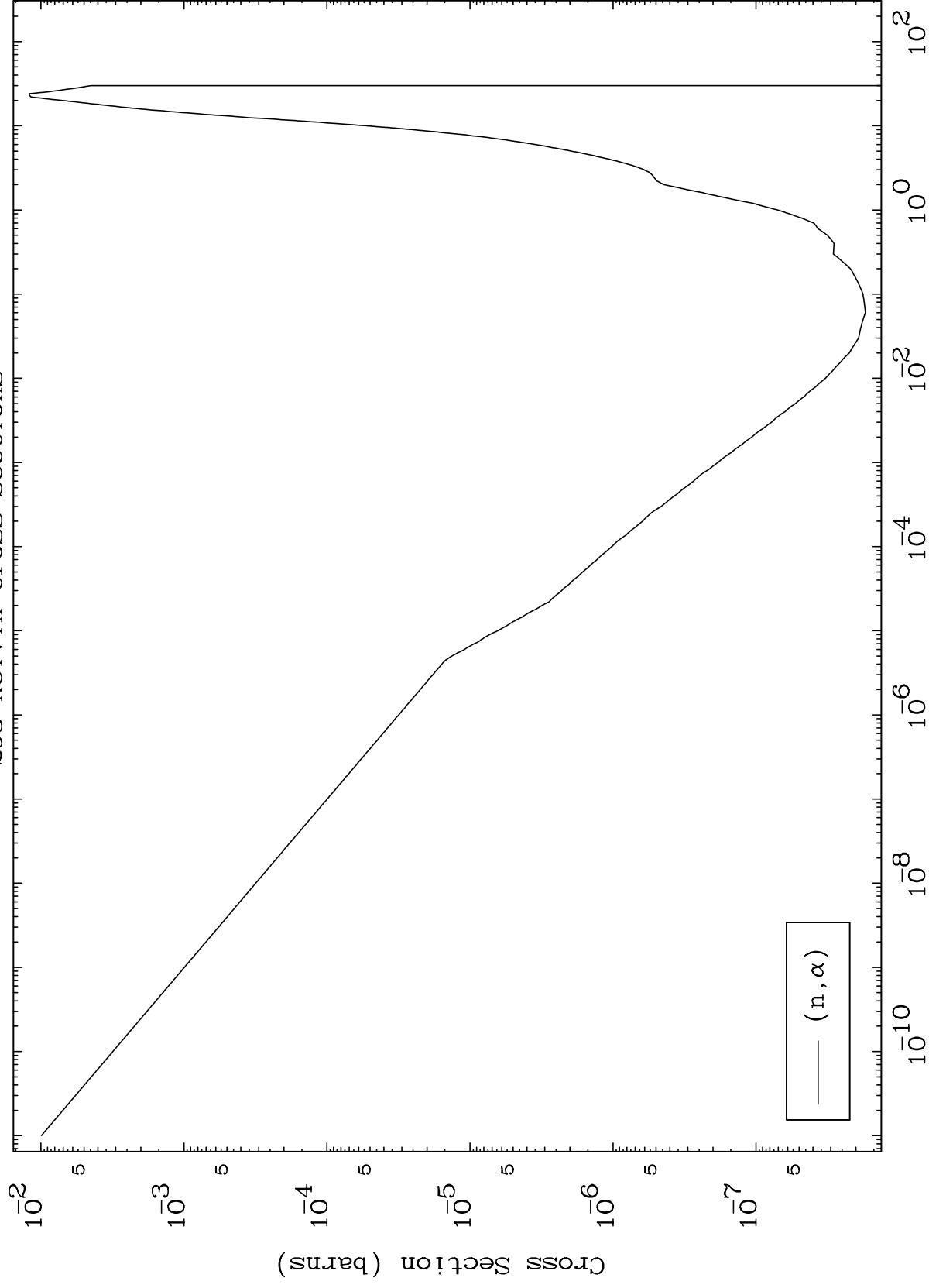
Incident Energy (MeV)

78-Pt-192

MAT 7831

(n,α) Levels  
293 Kelvin Cross Sections

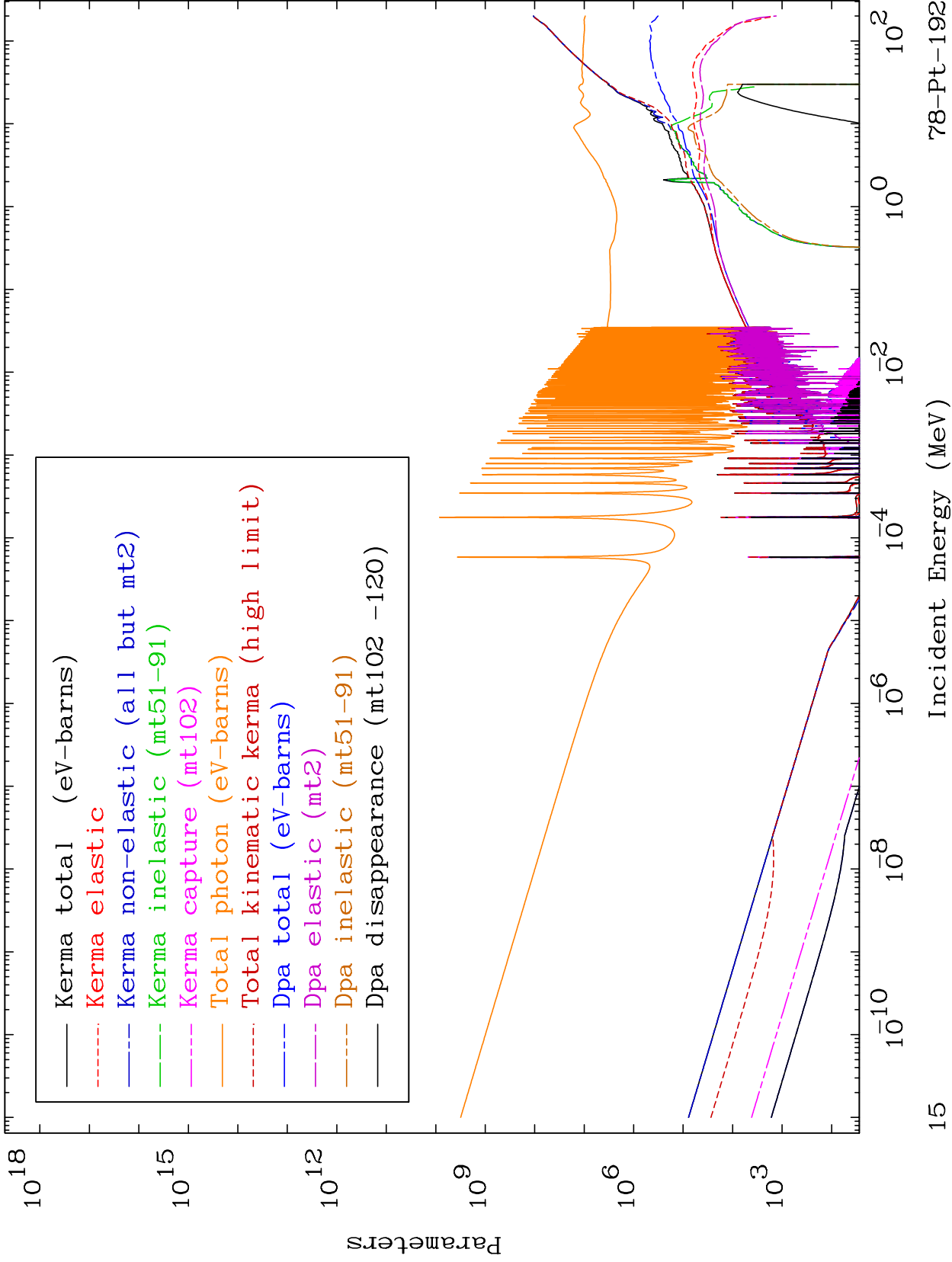
78-Pt-192



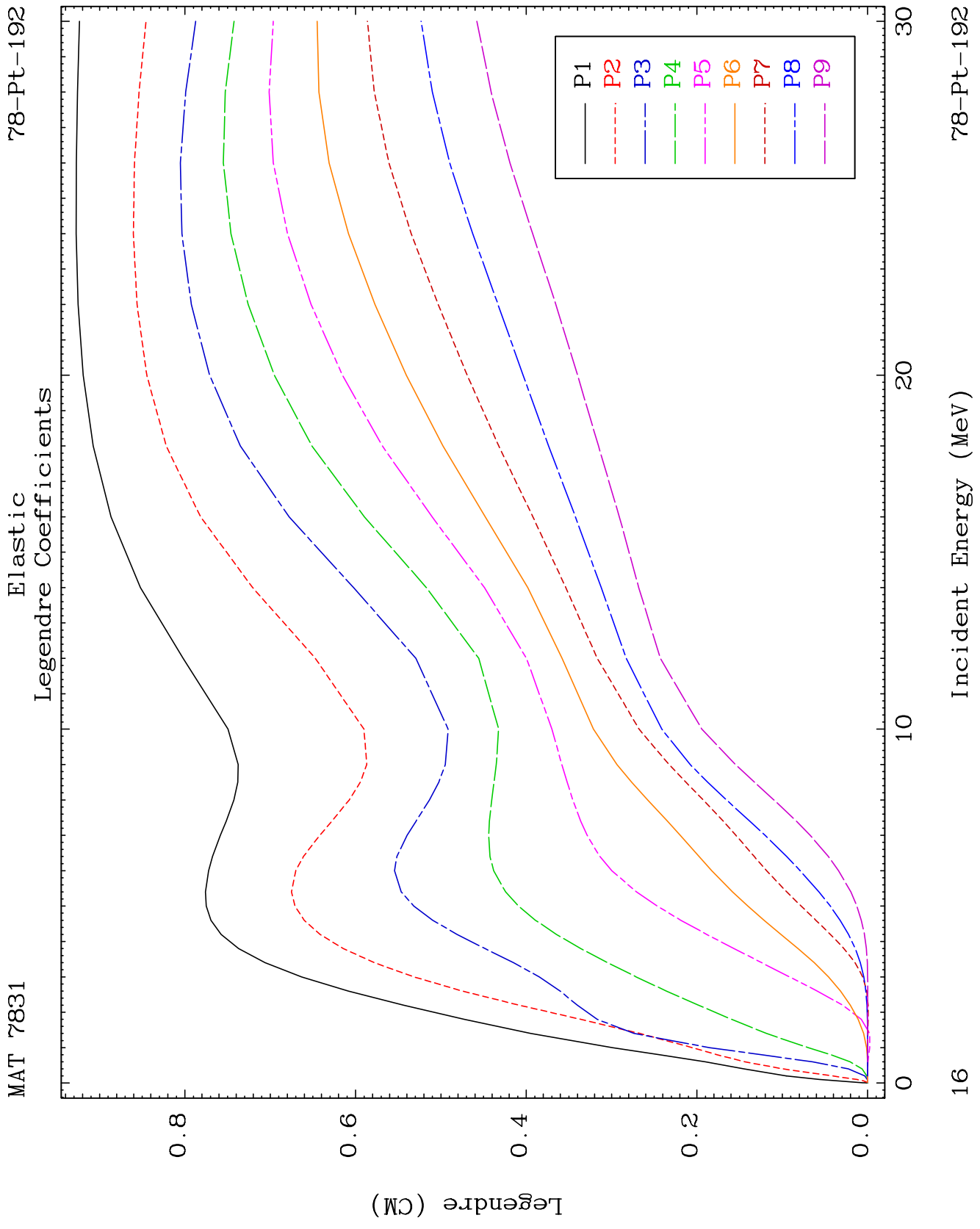
14

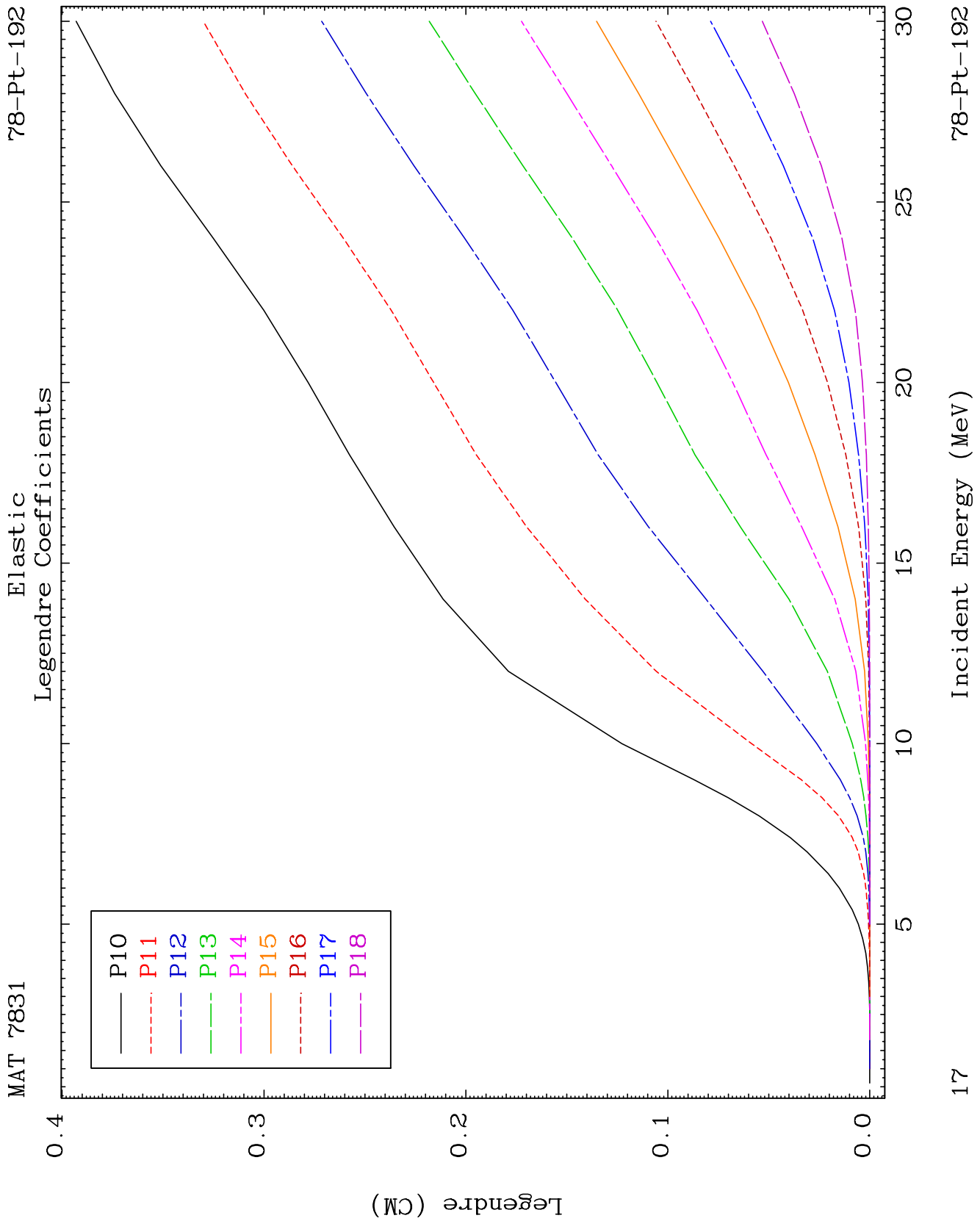
Incident Energy (MeV)

78-Pt-192





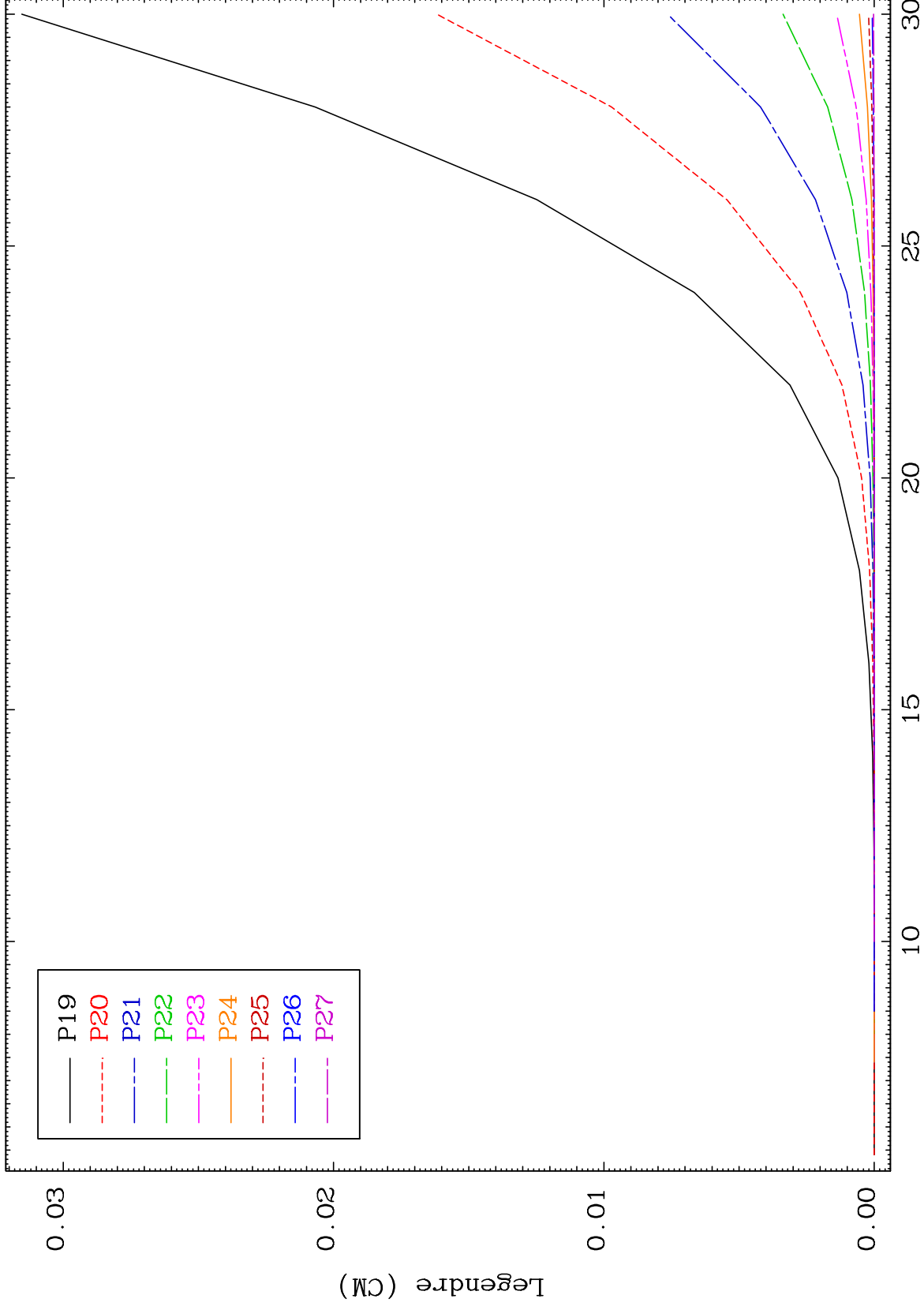




MAT 7831

### Elastic Legendre Coefficients

78-Pt-192



18

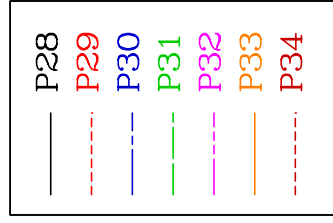
Incident Energy (MeV)

78-Pt-192

MAT 7831

Elastic  
Legendre Coefficients

78-Pt-192



$\times 10^{-6}$

8

6

4

2

0

15

20

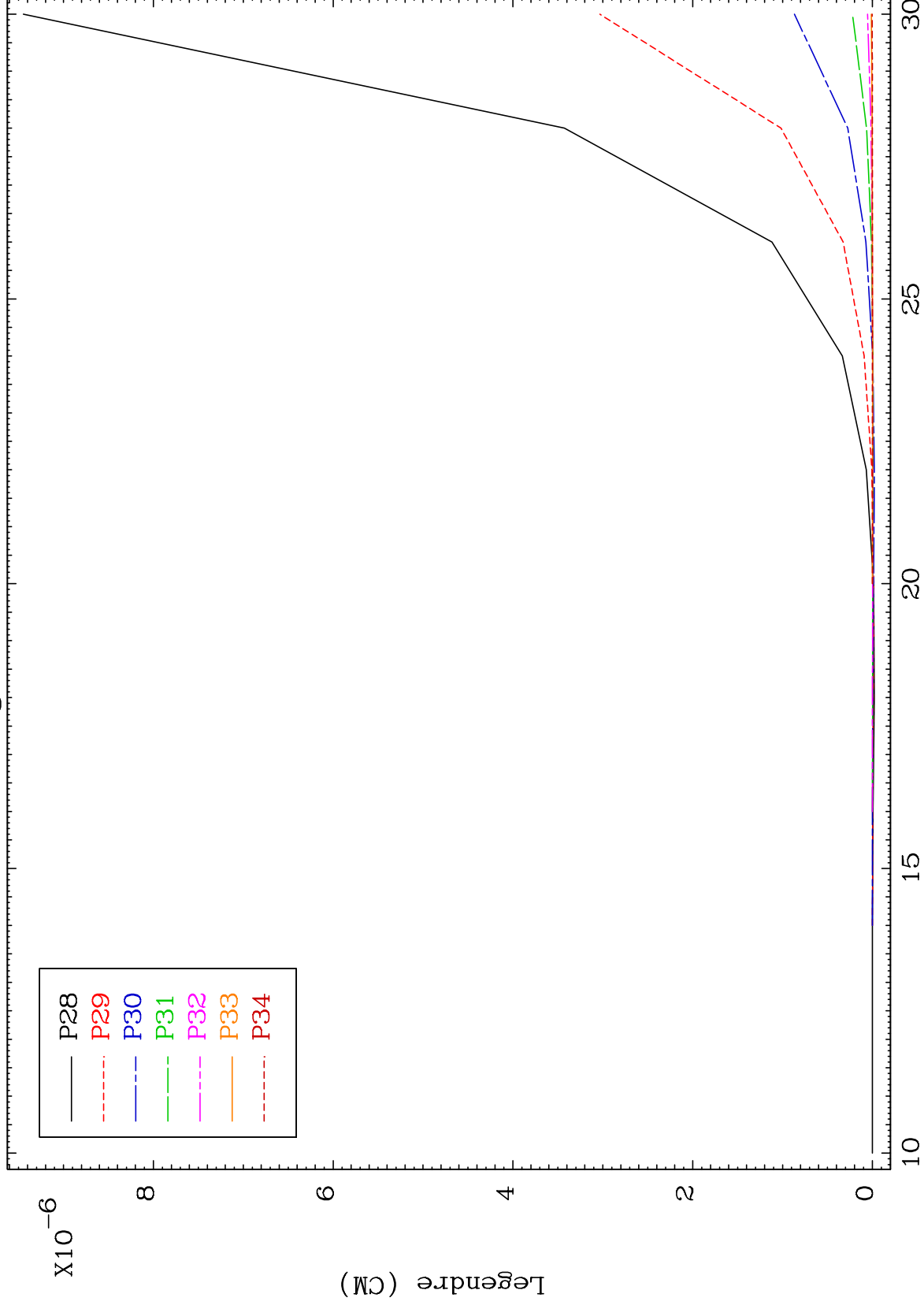
25

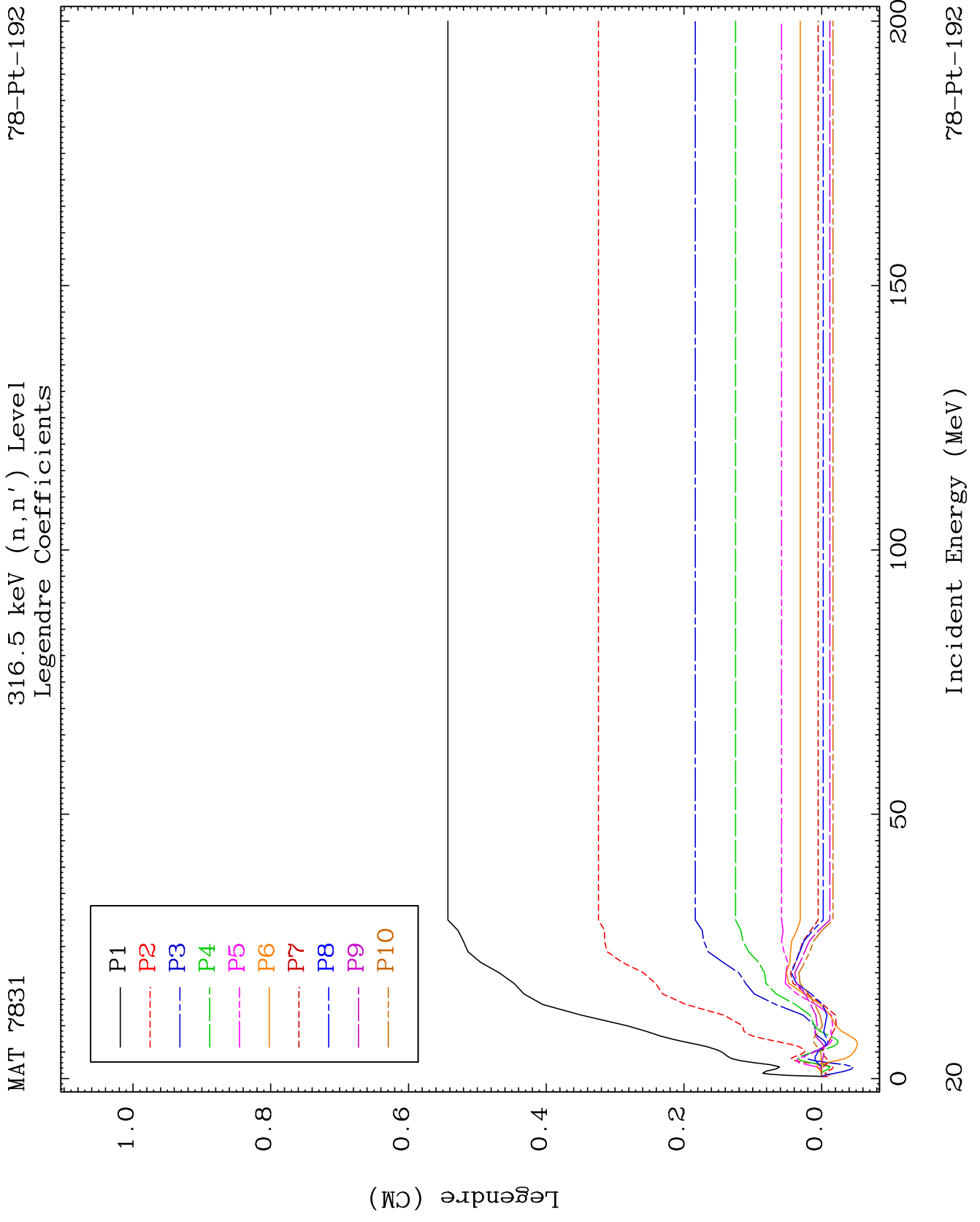
30

19

Incident Energy (MeV)

78-Pt-192

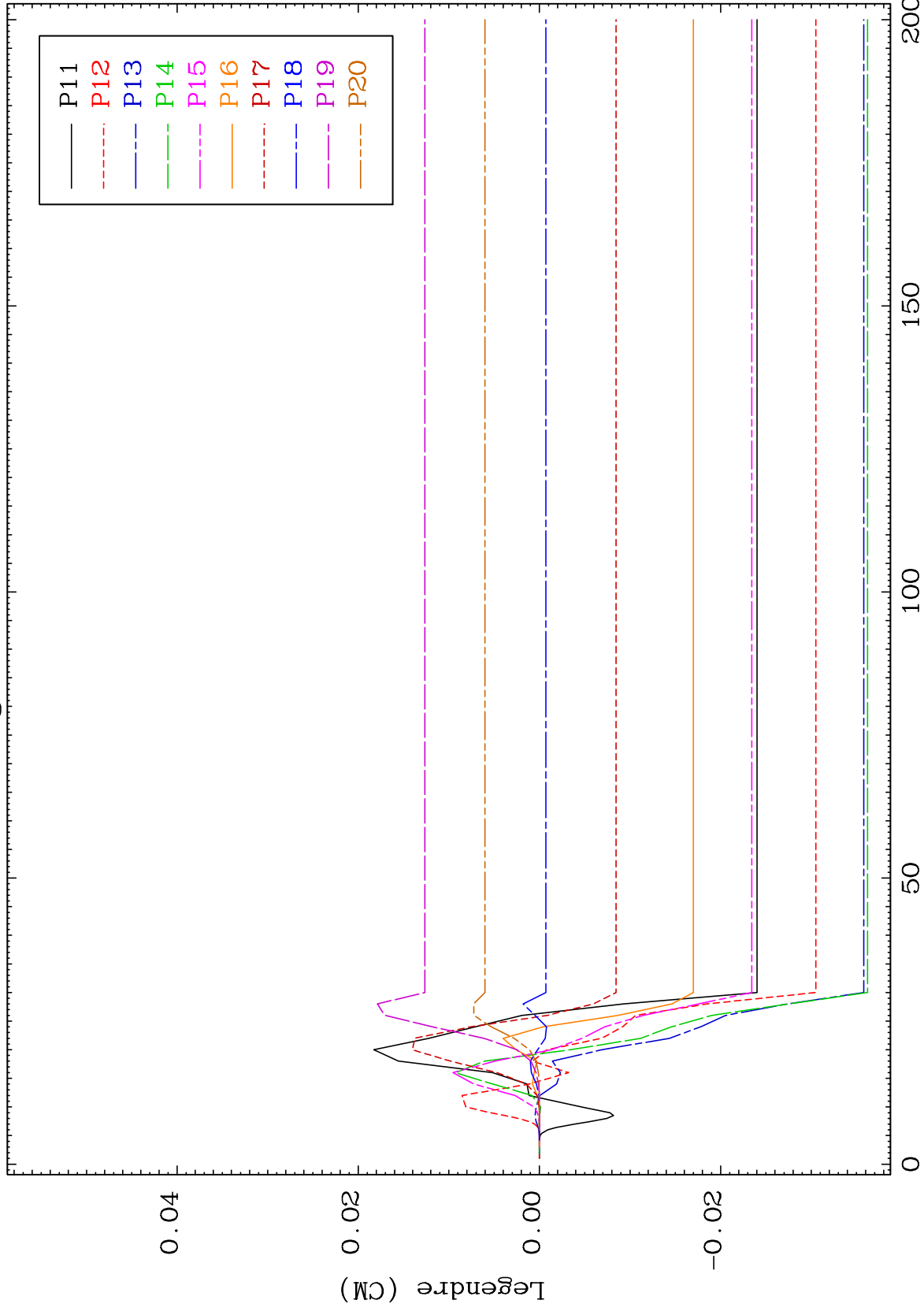




MAT 7831

316.5 keV (n,n') Level  
Legendre Coefficients

78-Pt-192



21

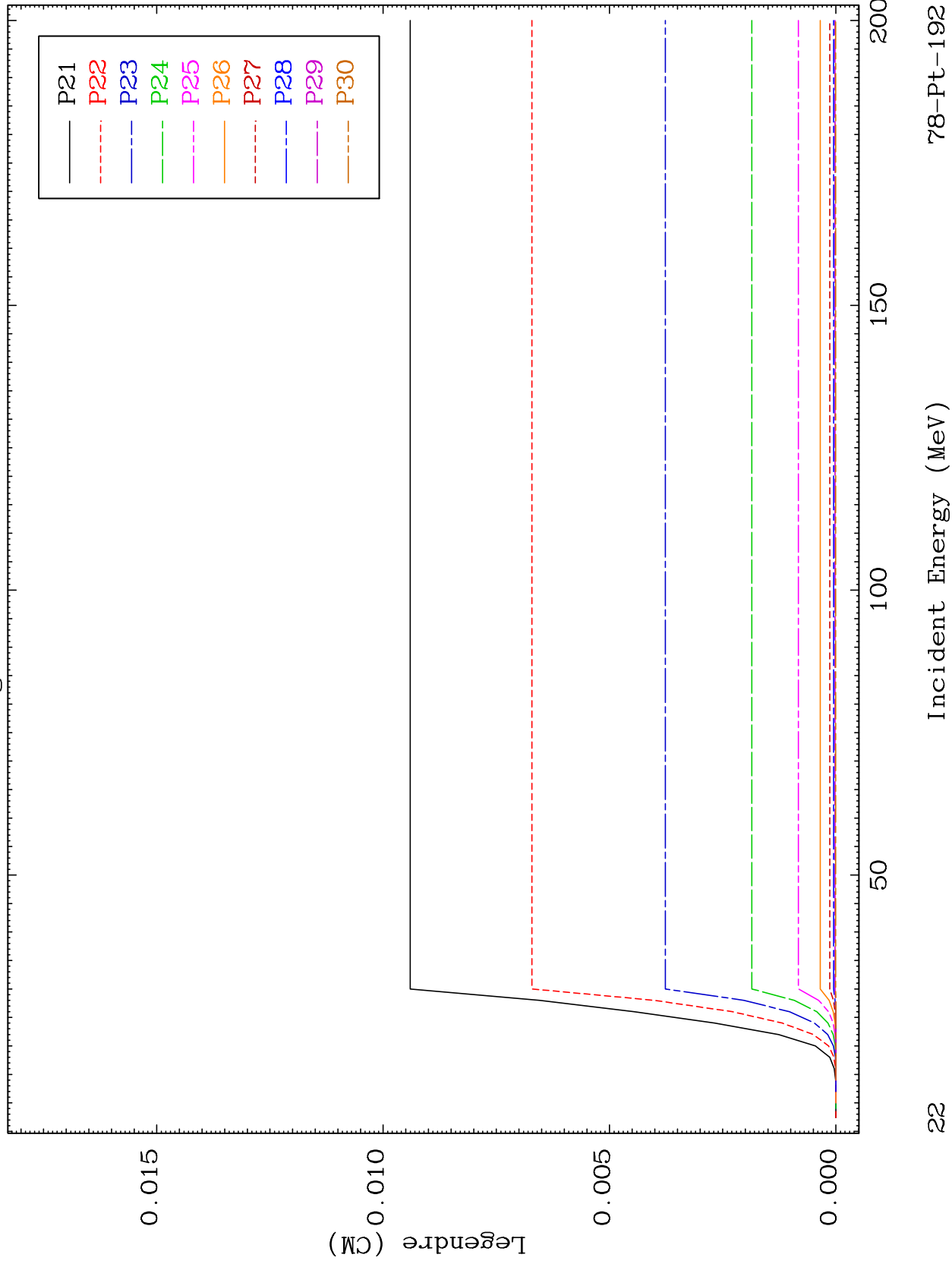
Incident Energy (MeV)

78-Pt-192

MAT 7831

316.5 keV (n,n') Level  
Legendre Coefficients

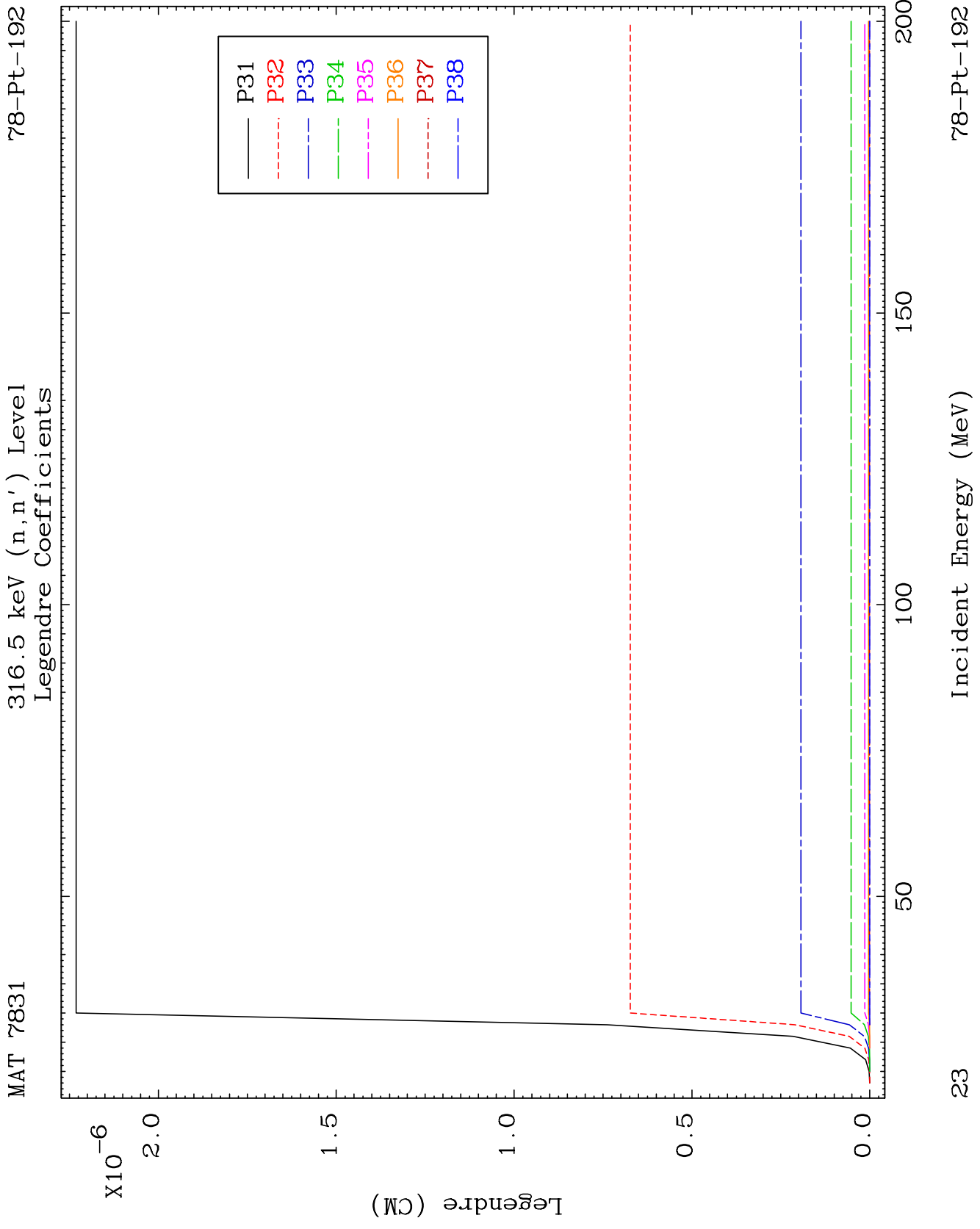
78-Pt-192



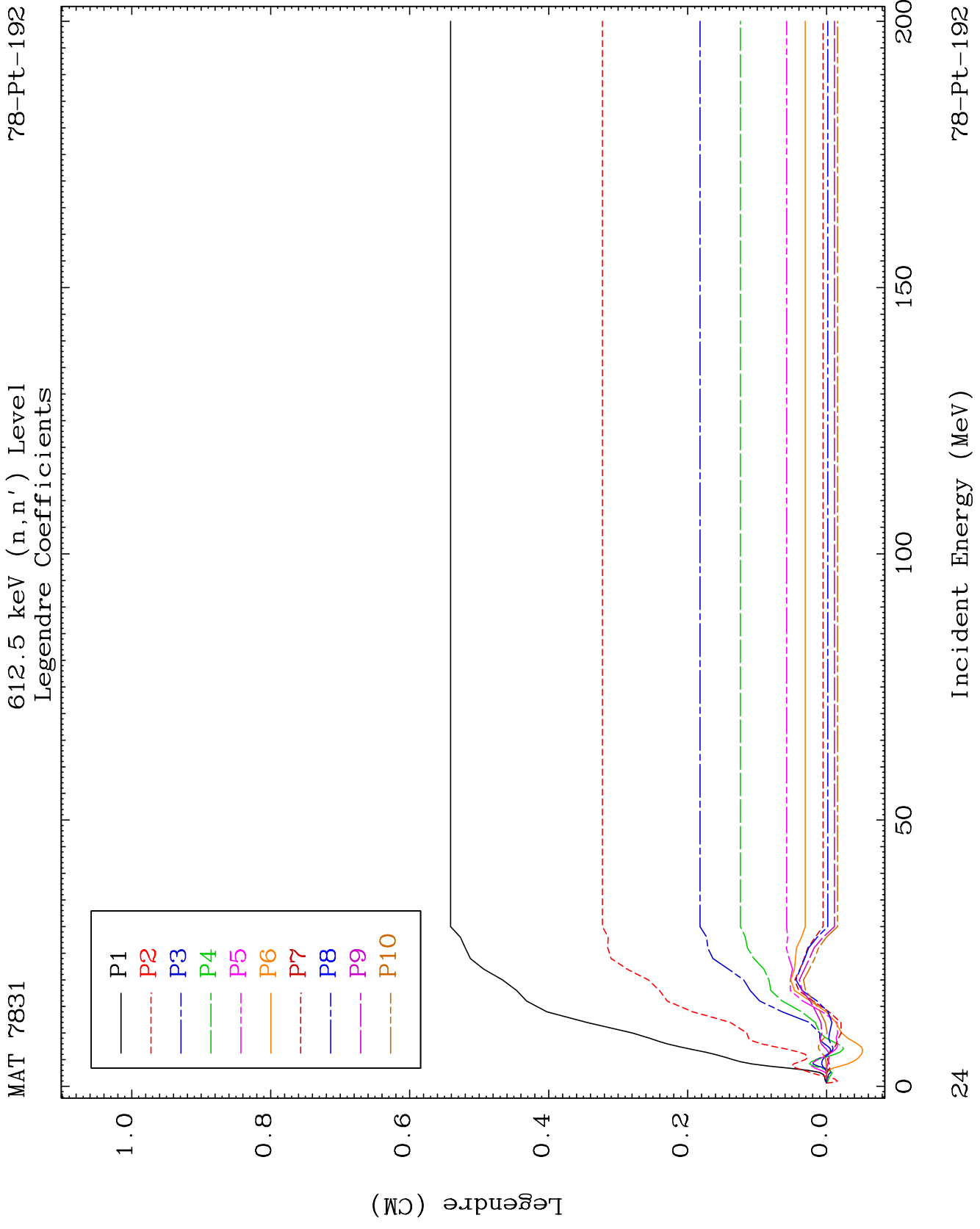
22

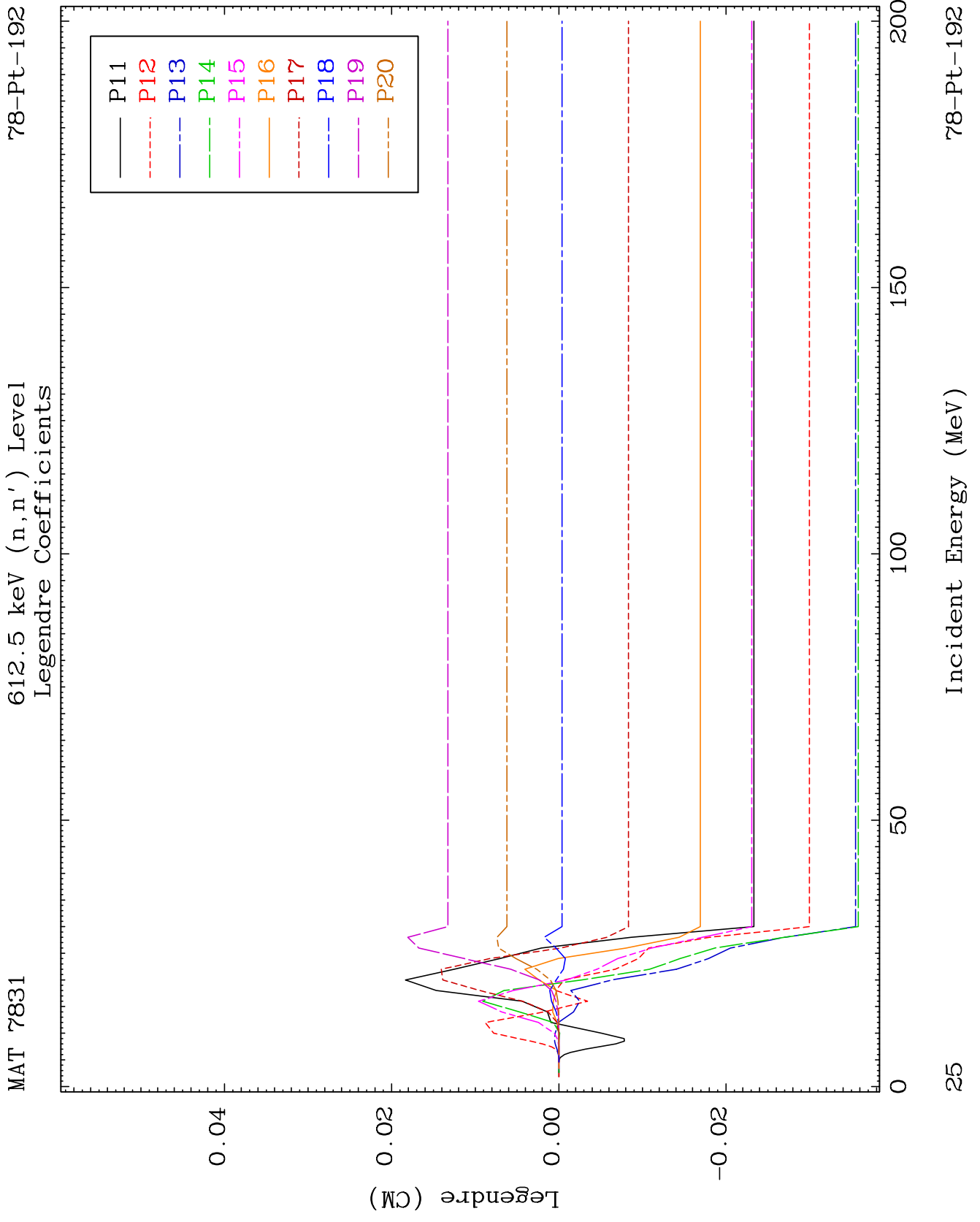
Incident Energy (MeV)

78-Pt-192





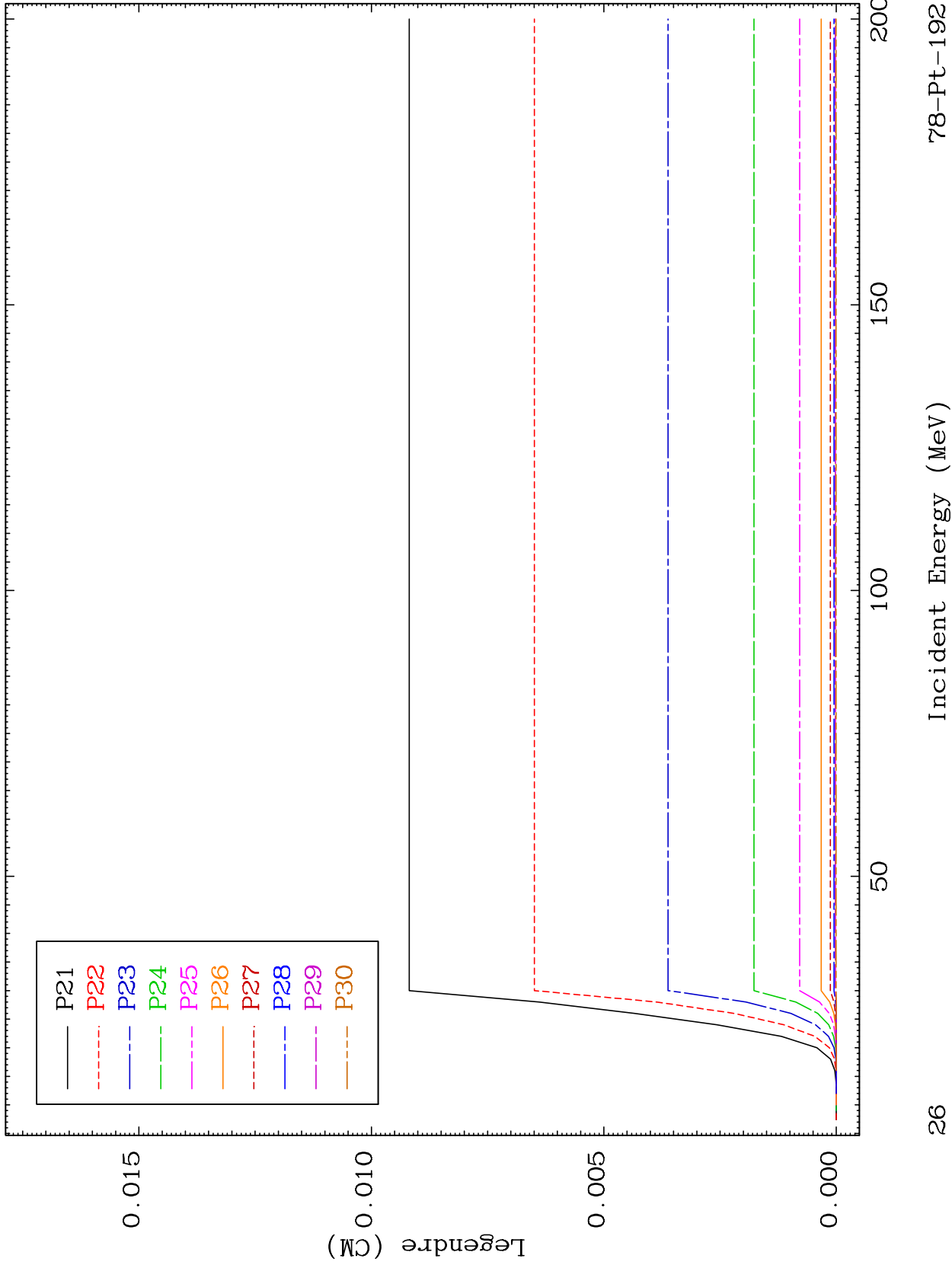




MAT 7831

612.5 keV (n,n') Level  
Legendre Coefficients

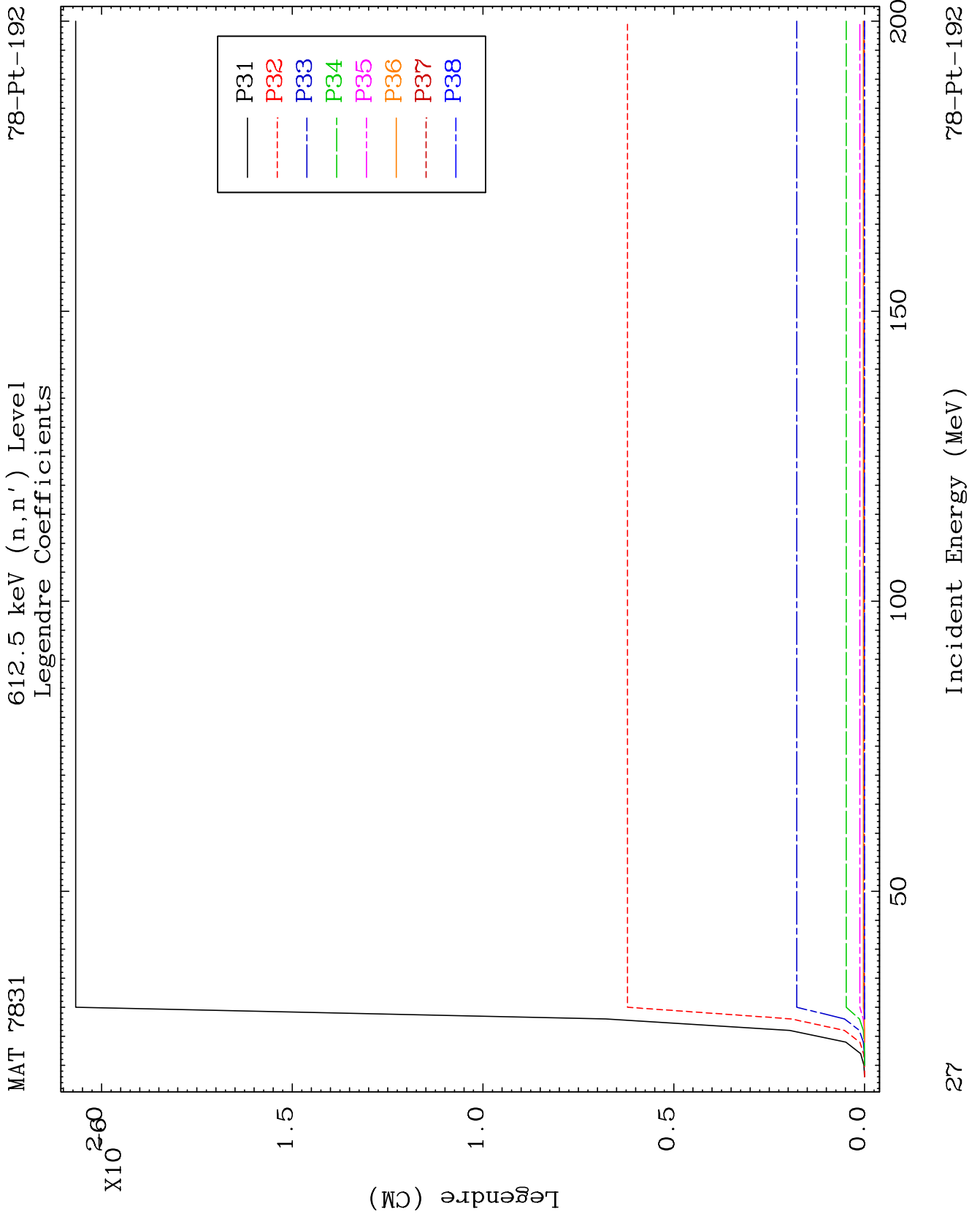
78-Pt-192

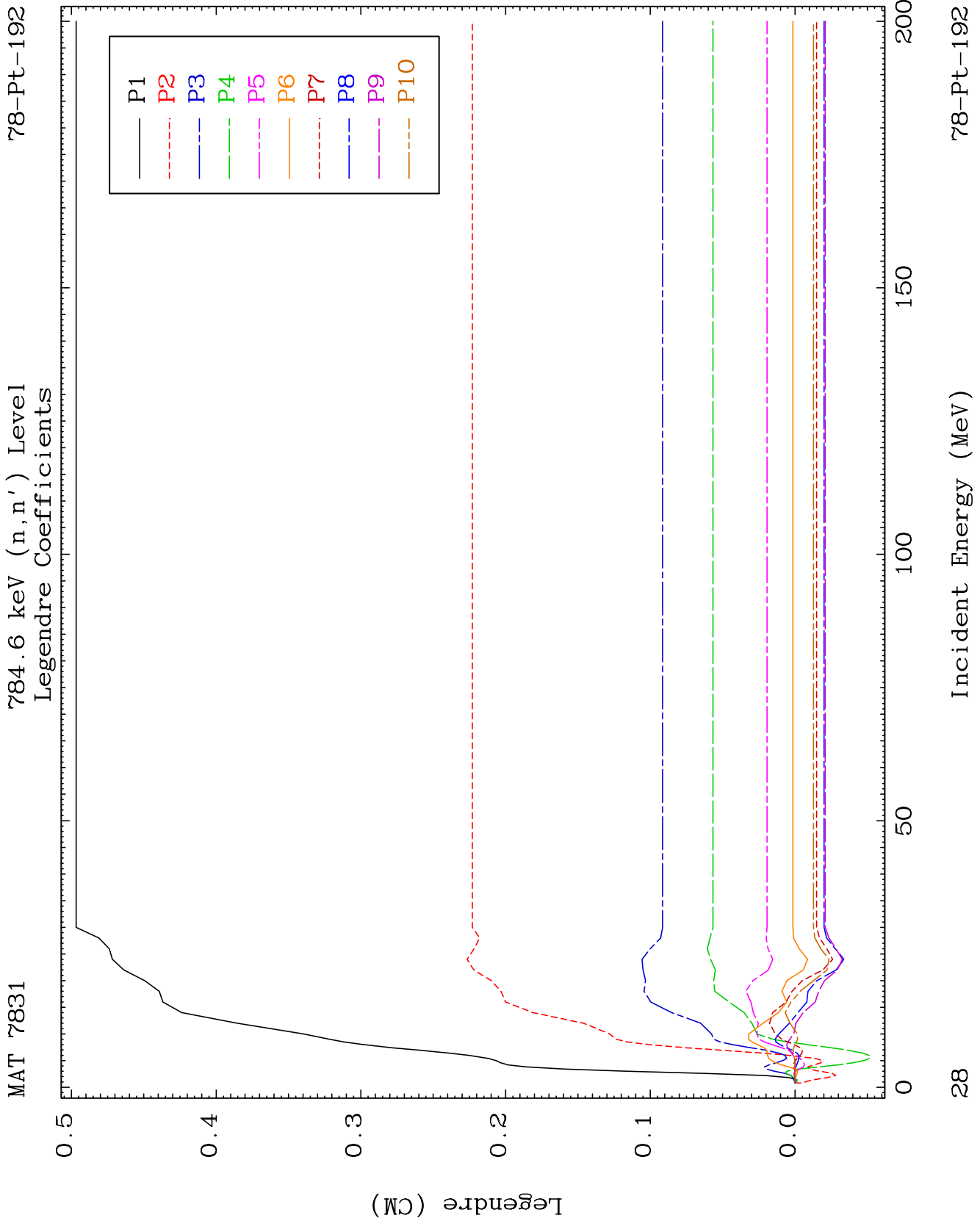


26

Incident Energy (MeV)

78-Pt-192

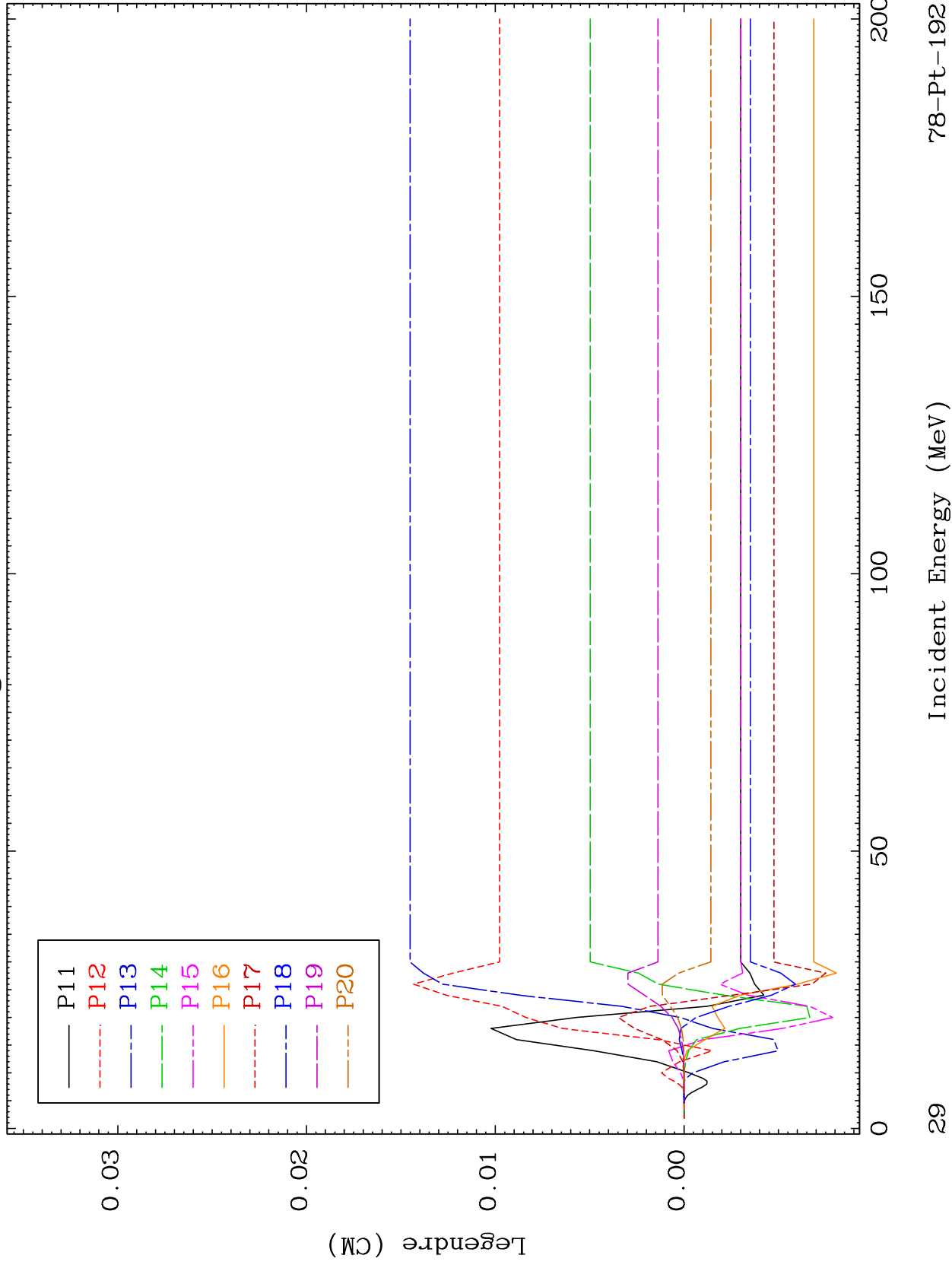




MAT 7831

784.6 keV (n,n') Level  
Legendre Coefficients

78-Pt-192



29

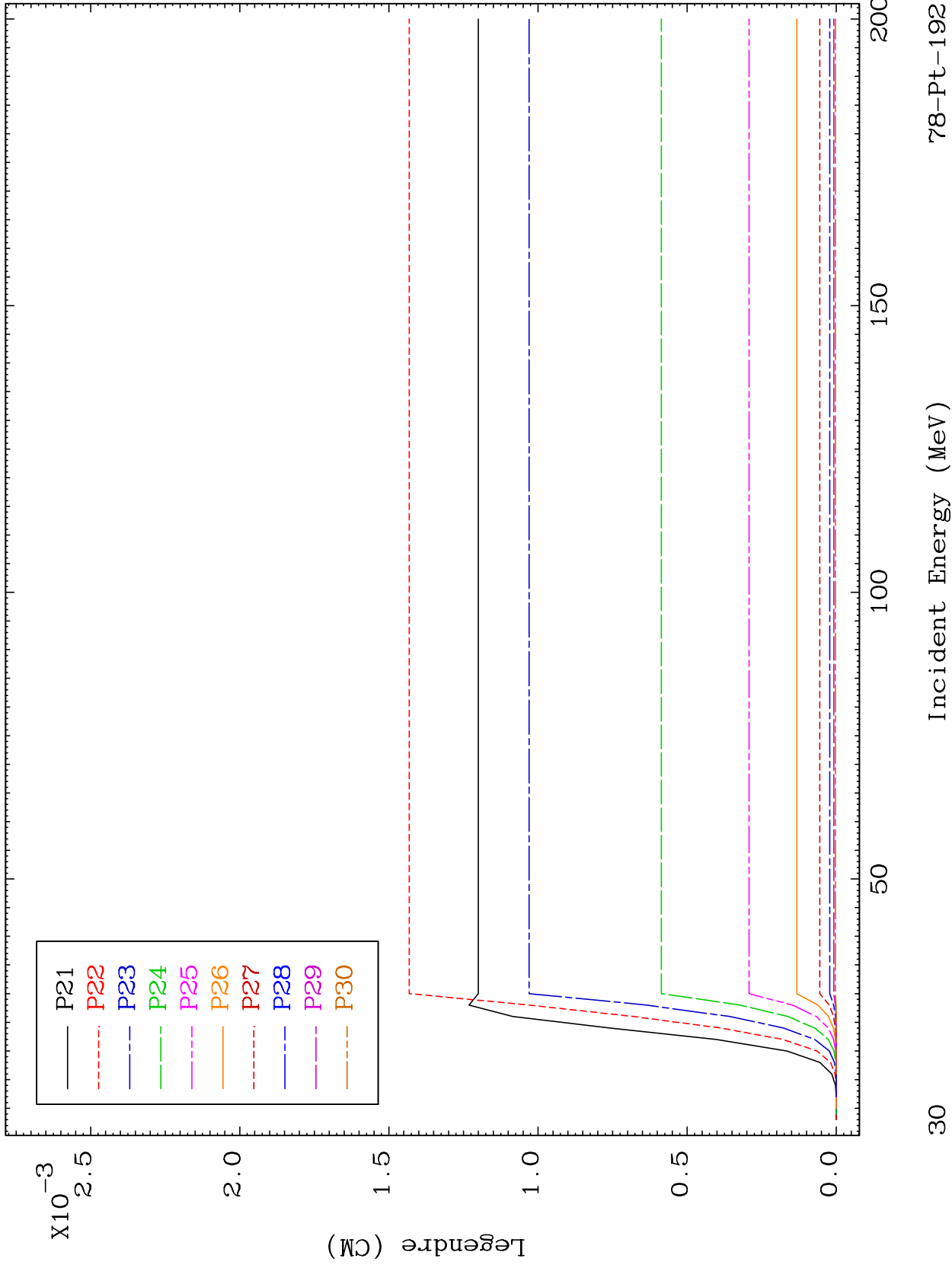
Incident Energy (MeV)

78-Pt-192

MAT 7831

784.6 keV (n,n') Level  
Legendre Coefficients

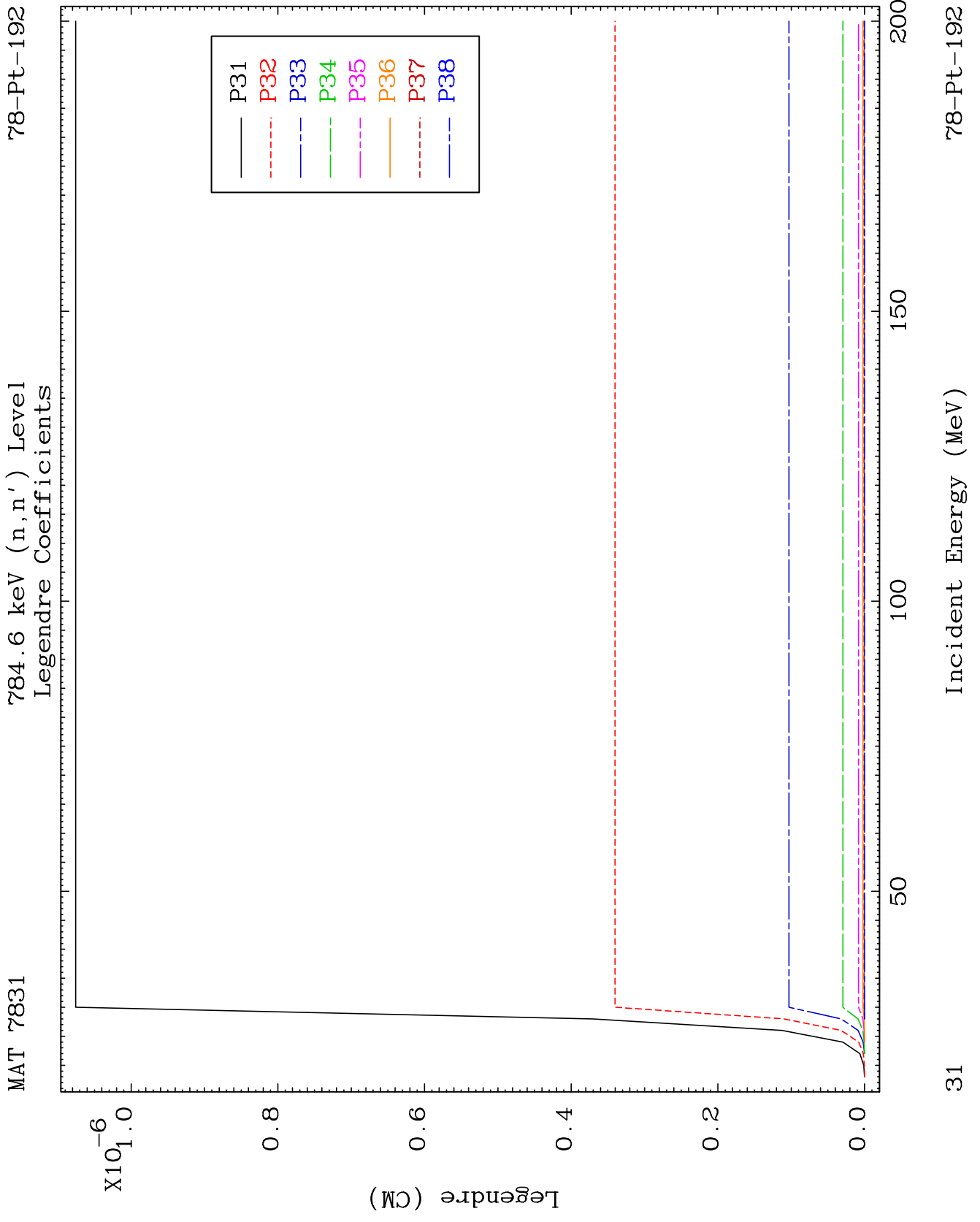
78-Pt-192



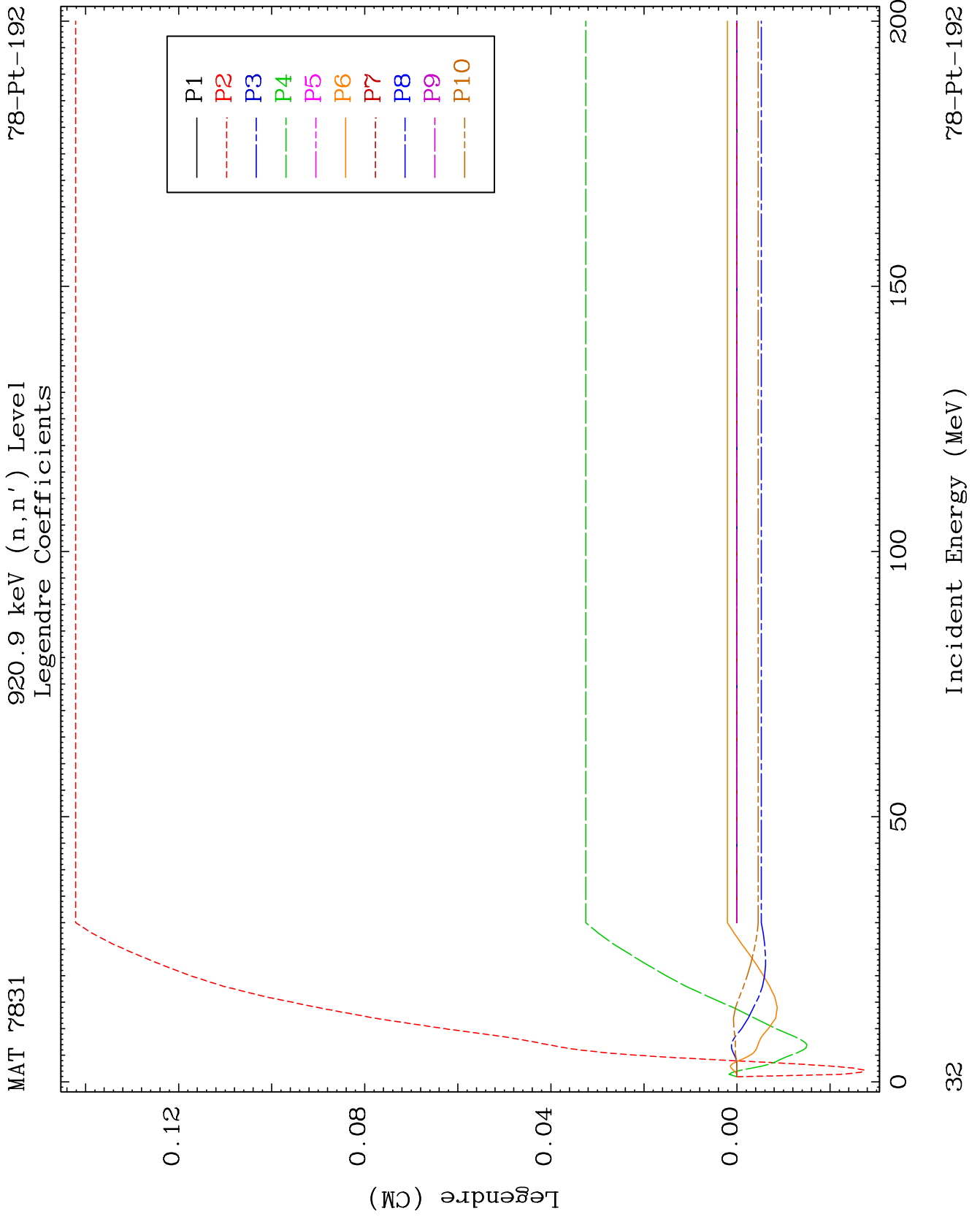
78-Pt-192

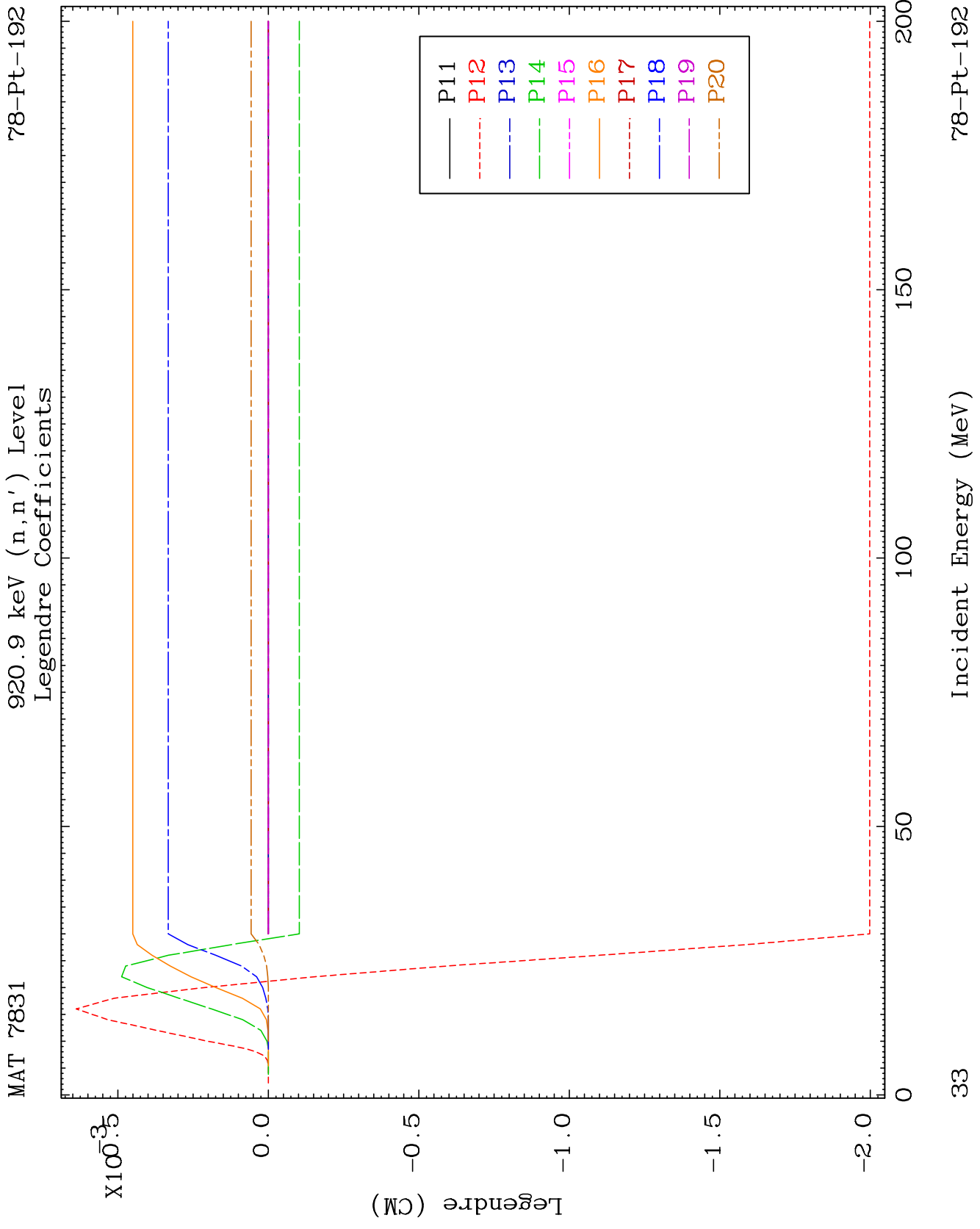
Incident Energy (MeV)

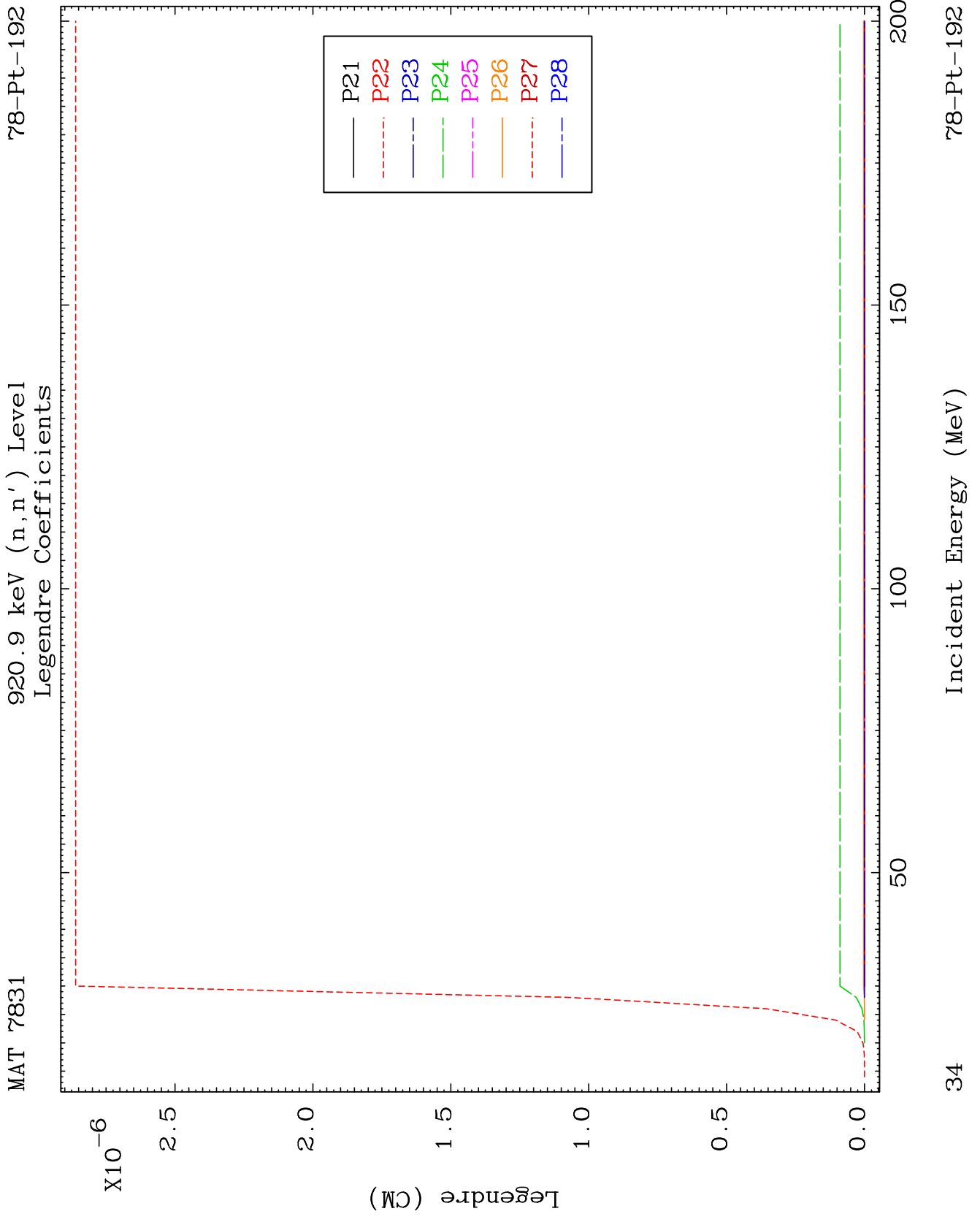
30

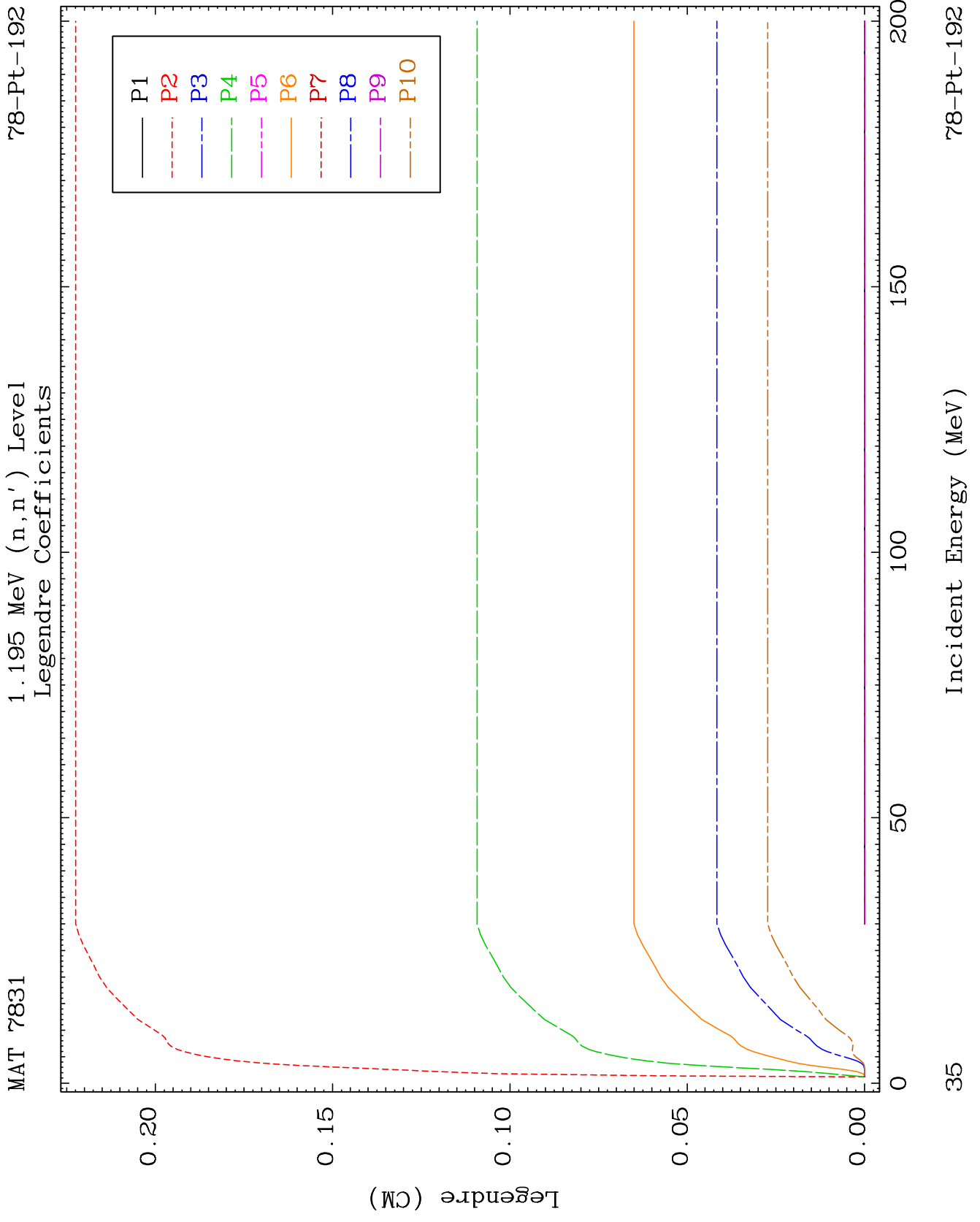








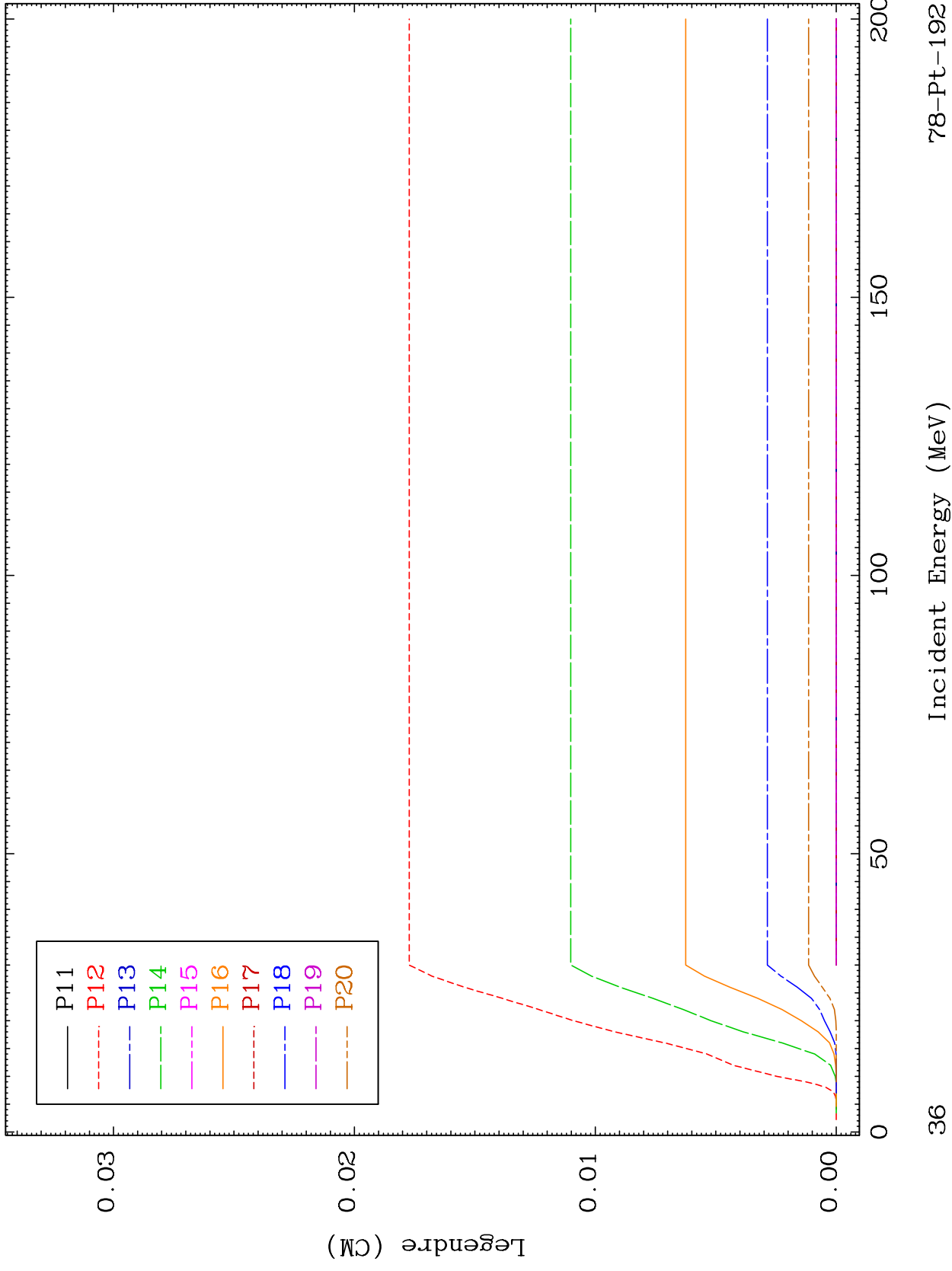




MAT 7831

1.195 MeV (n,n') Level  
Legendre Coefficients

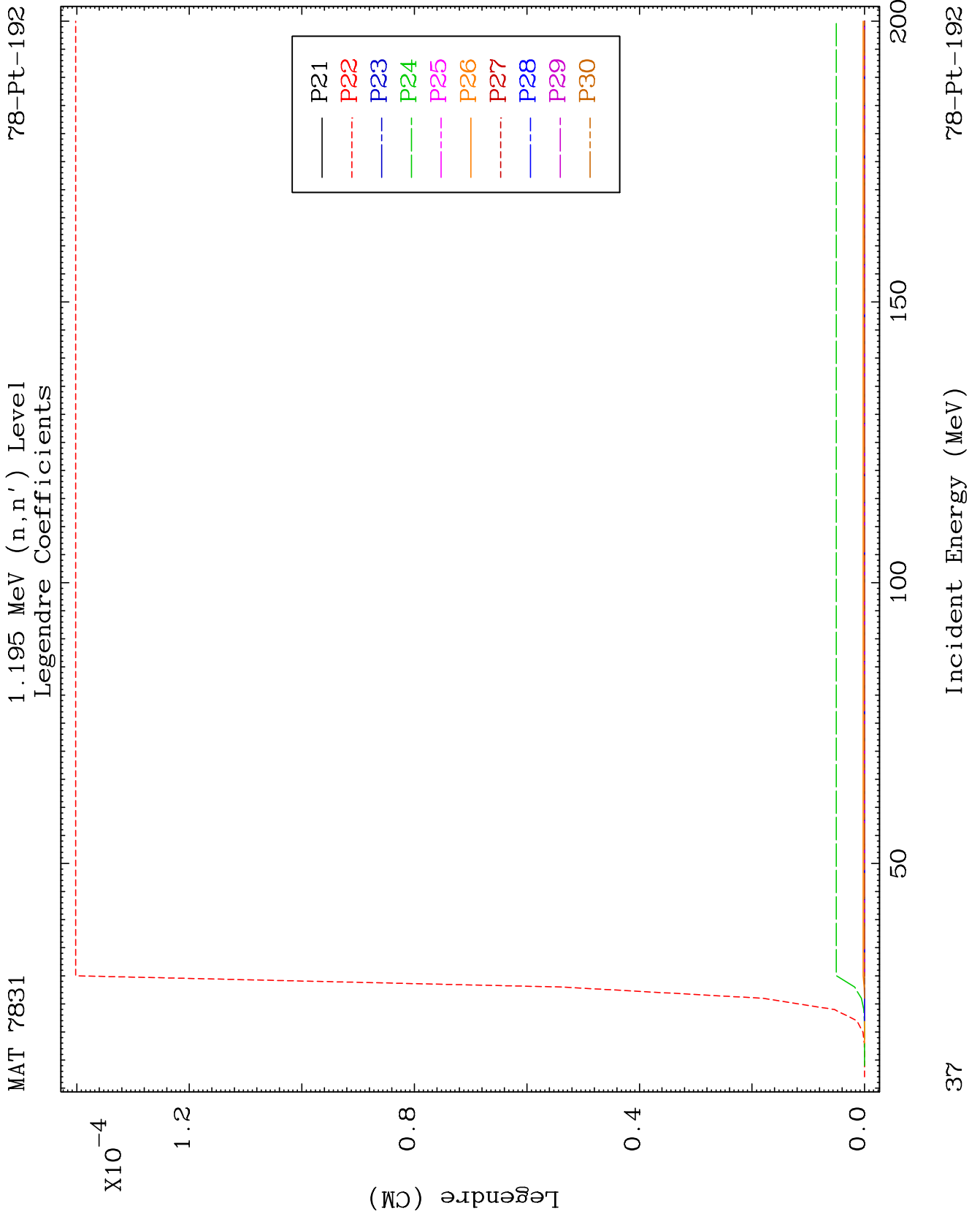
78-Pt-192



36

Incident Energy (MeV)

78-Pt-192

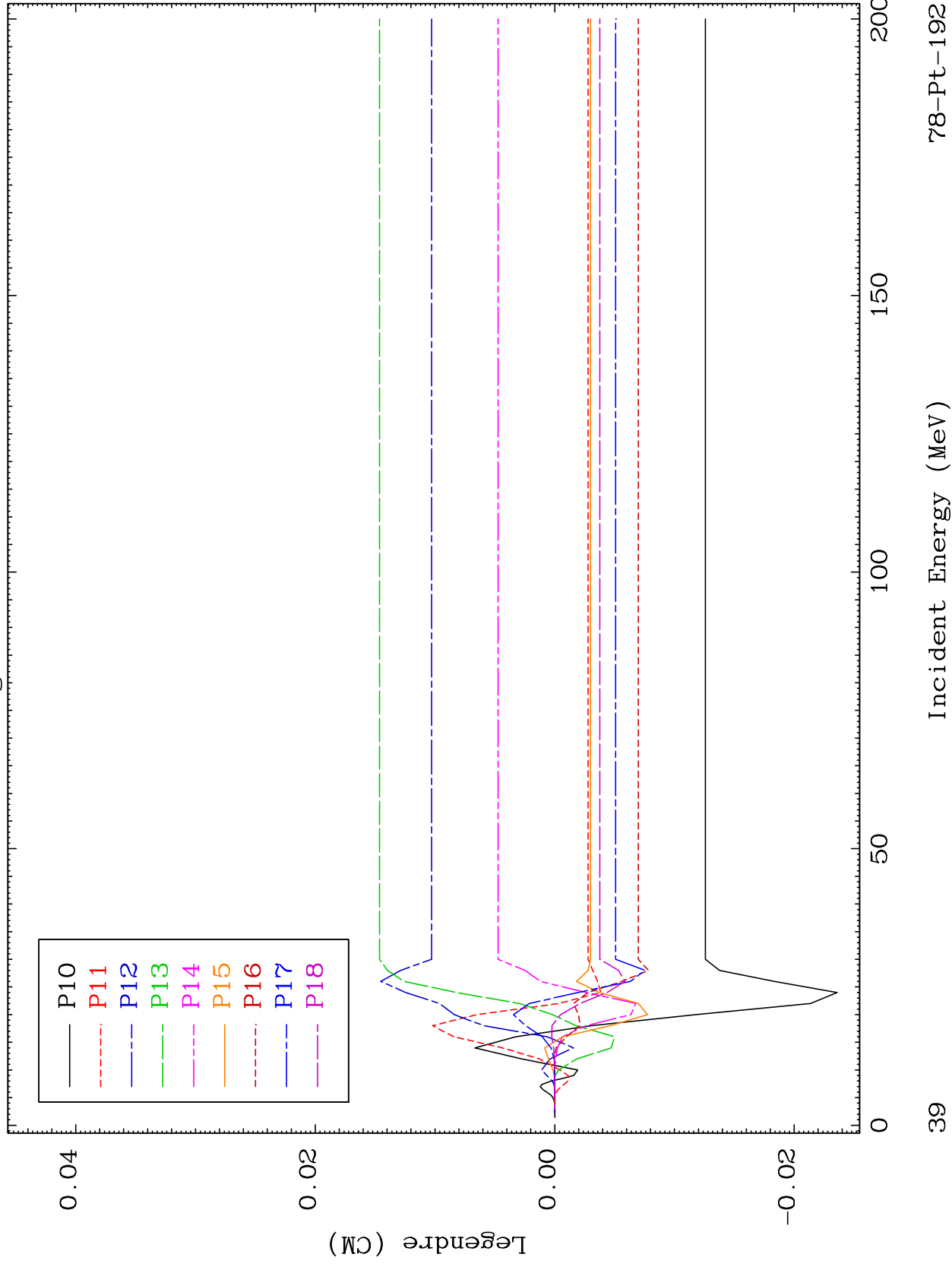




MAT 7831

1.201 MeV (n,n') Level  
Legendre Coefficients

78-Pt-192

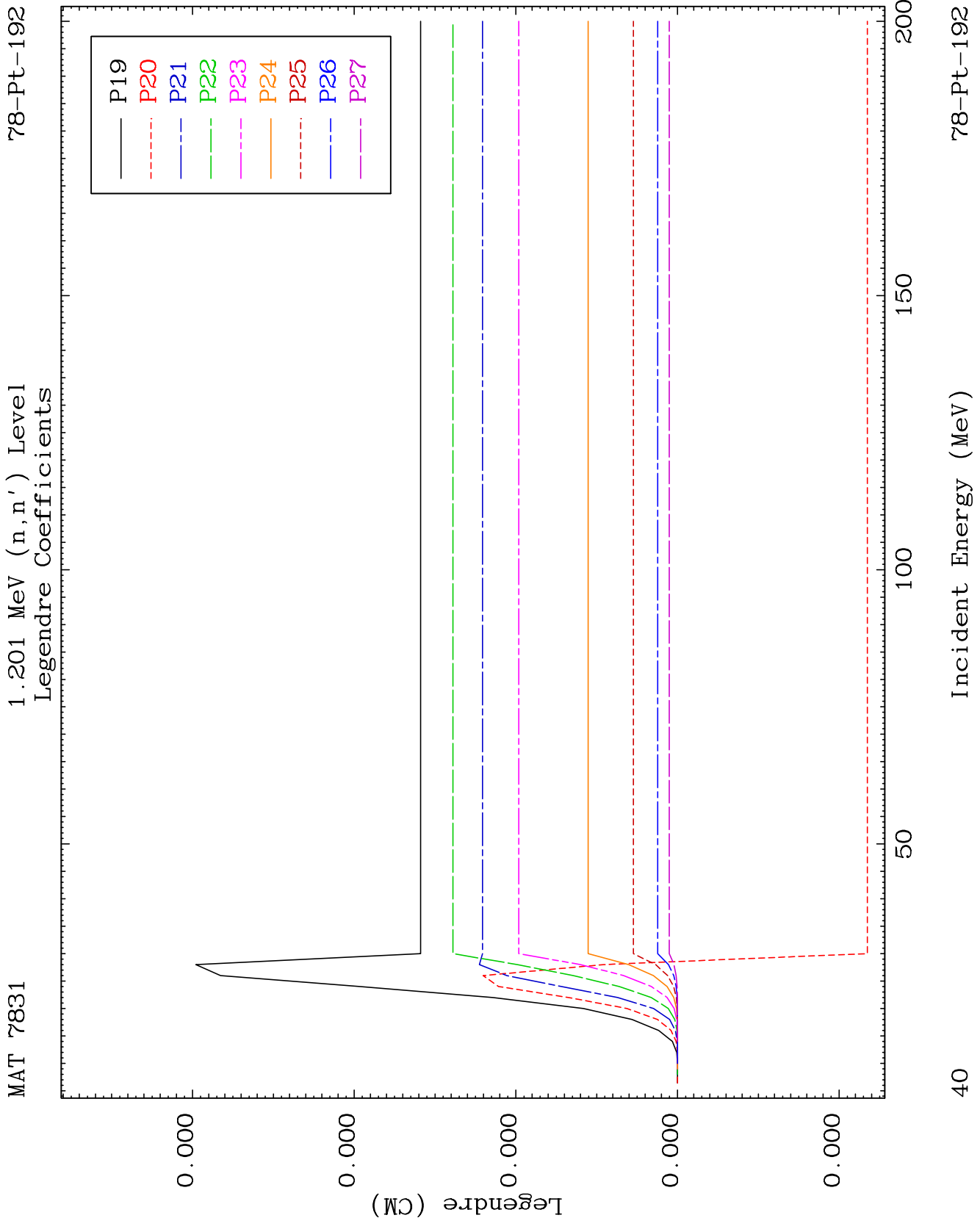


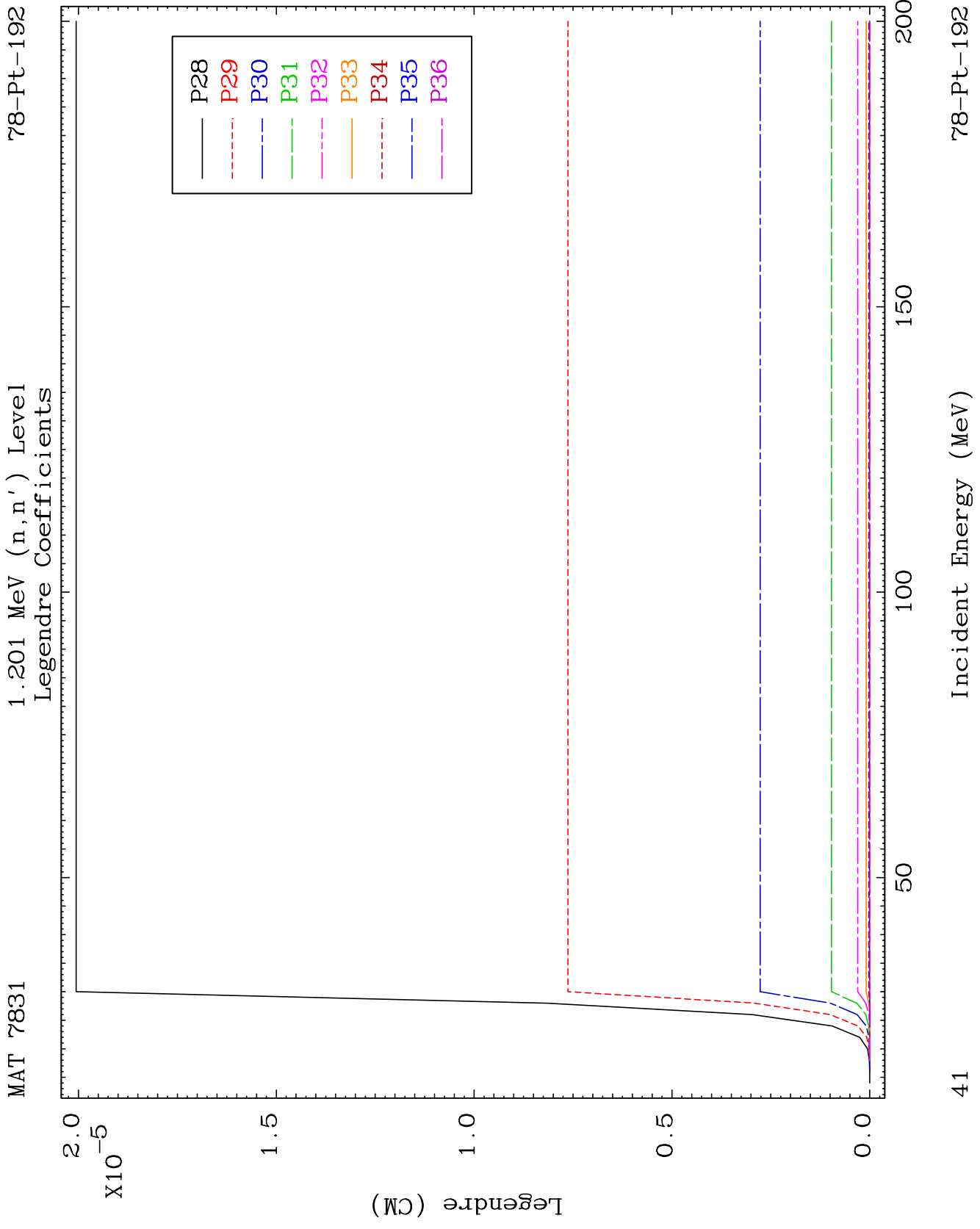
78-Pt-192

Incident Energy (MeV)

39



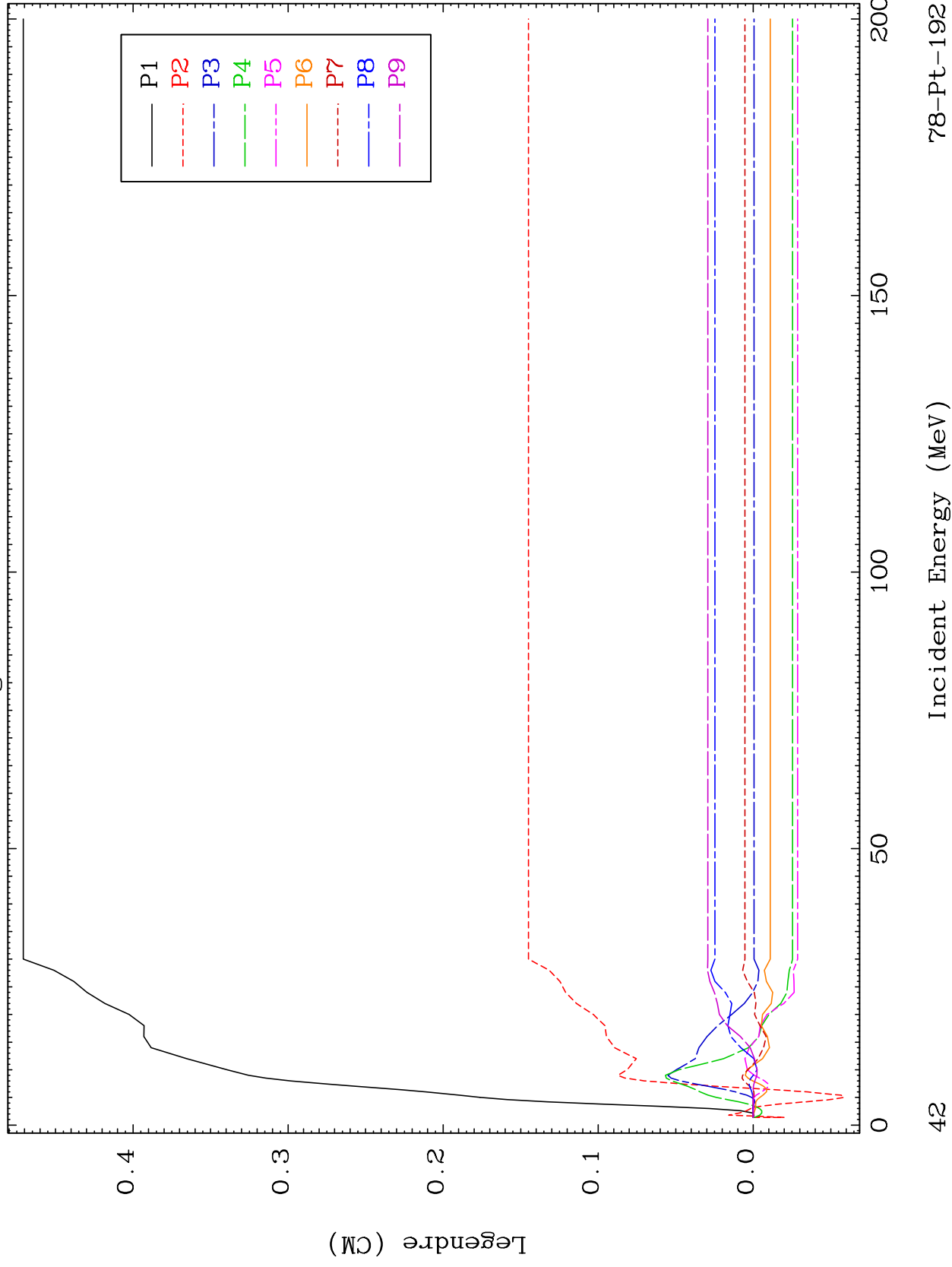




MAT 7831

1.365 MeV (n,n') Level  
Legendre Coefficients

78-Pt-192

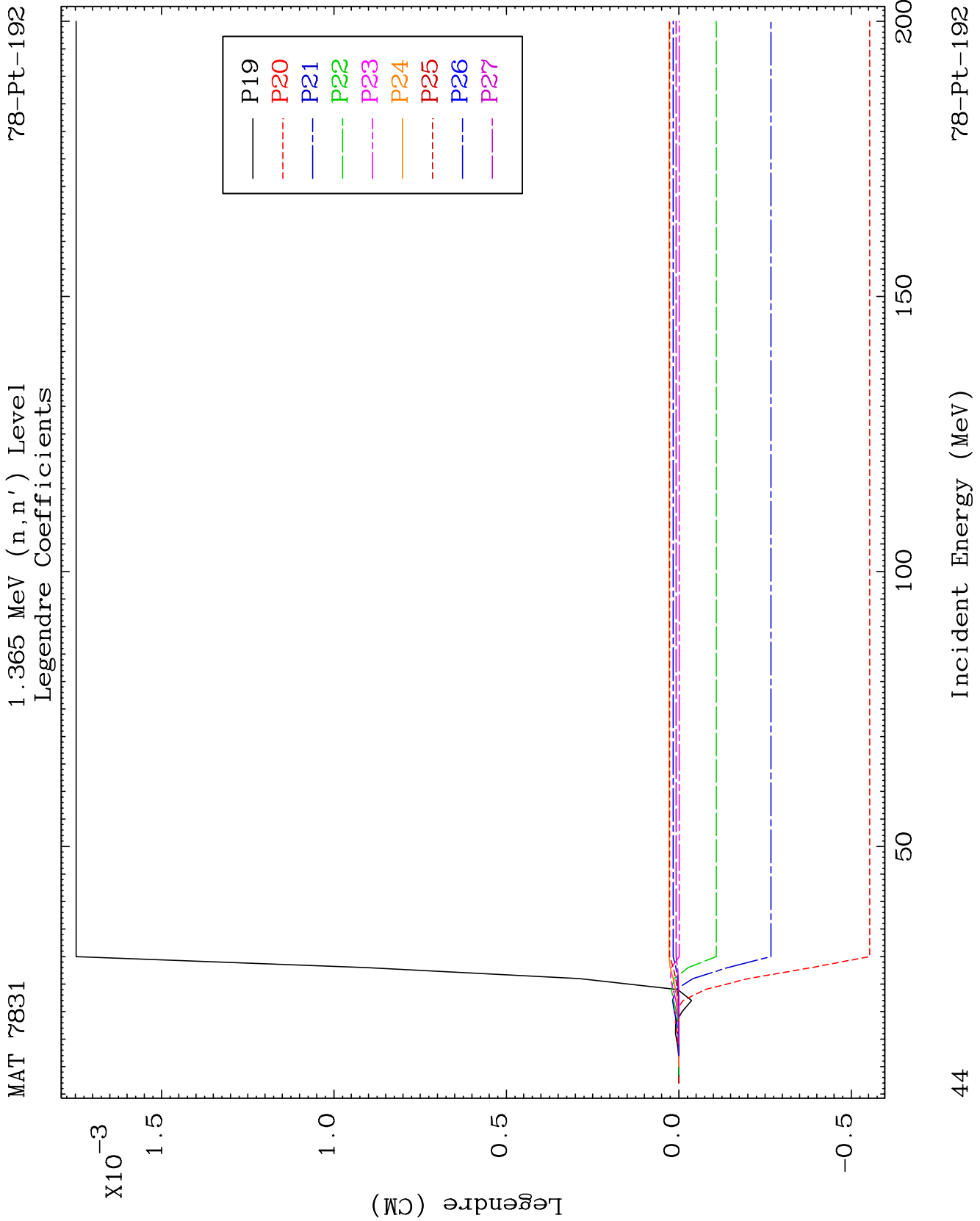


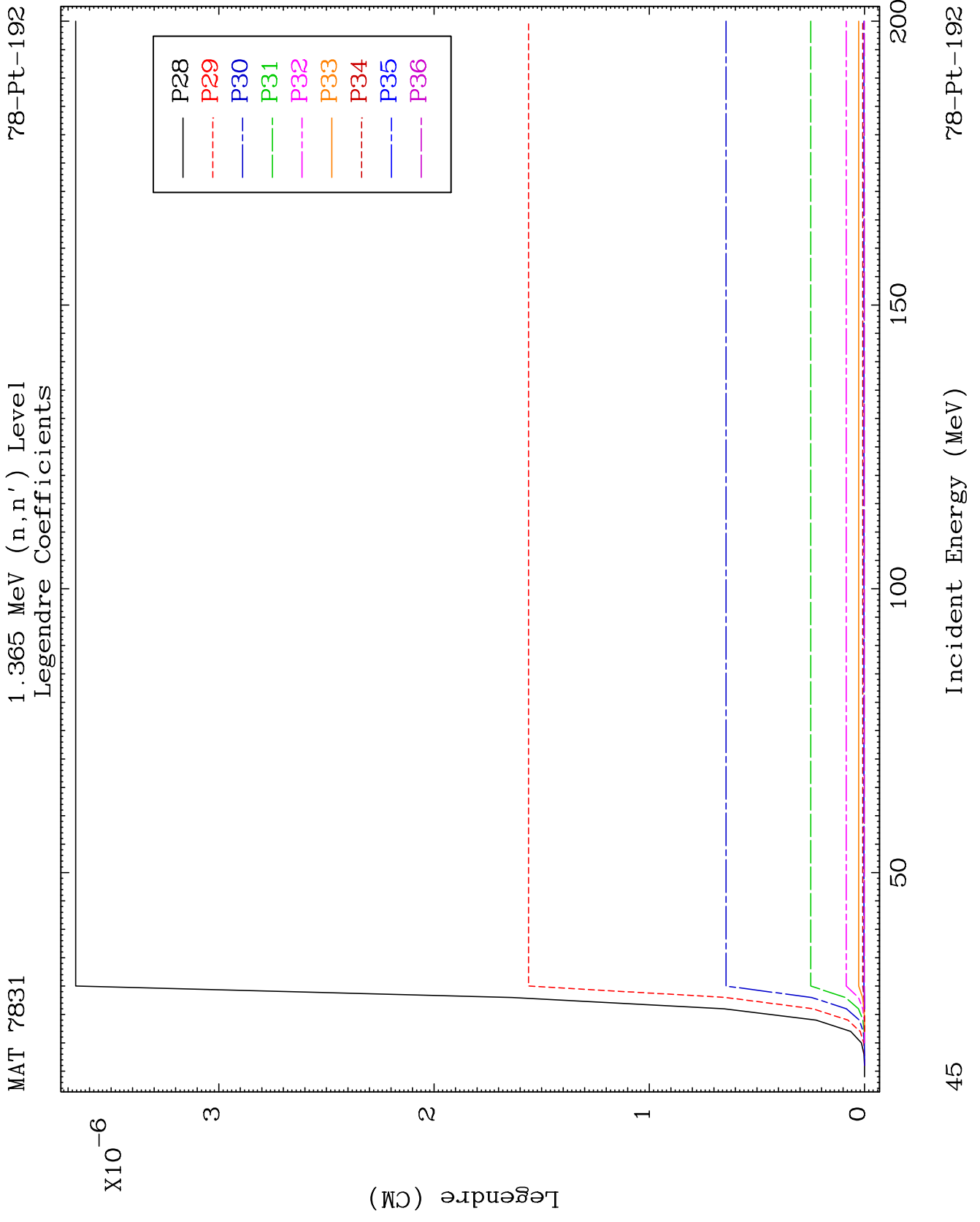
78-Pt-192

Incident Energy (MeV)

42



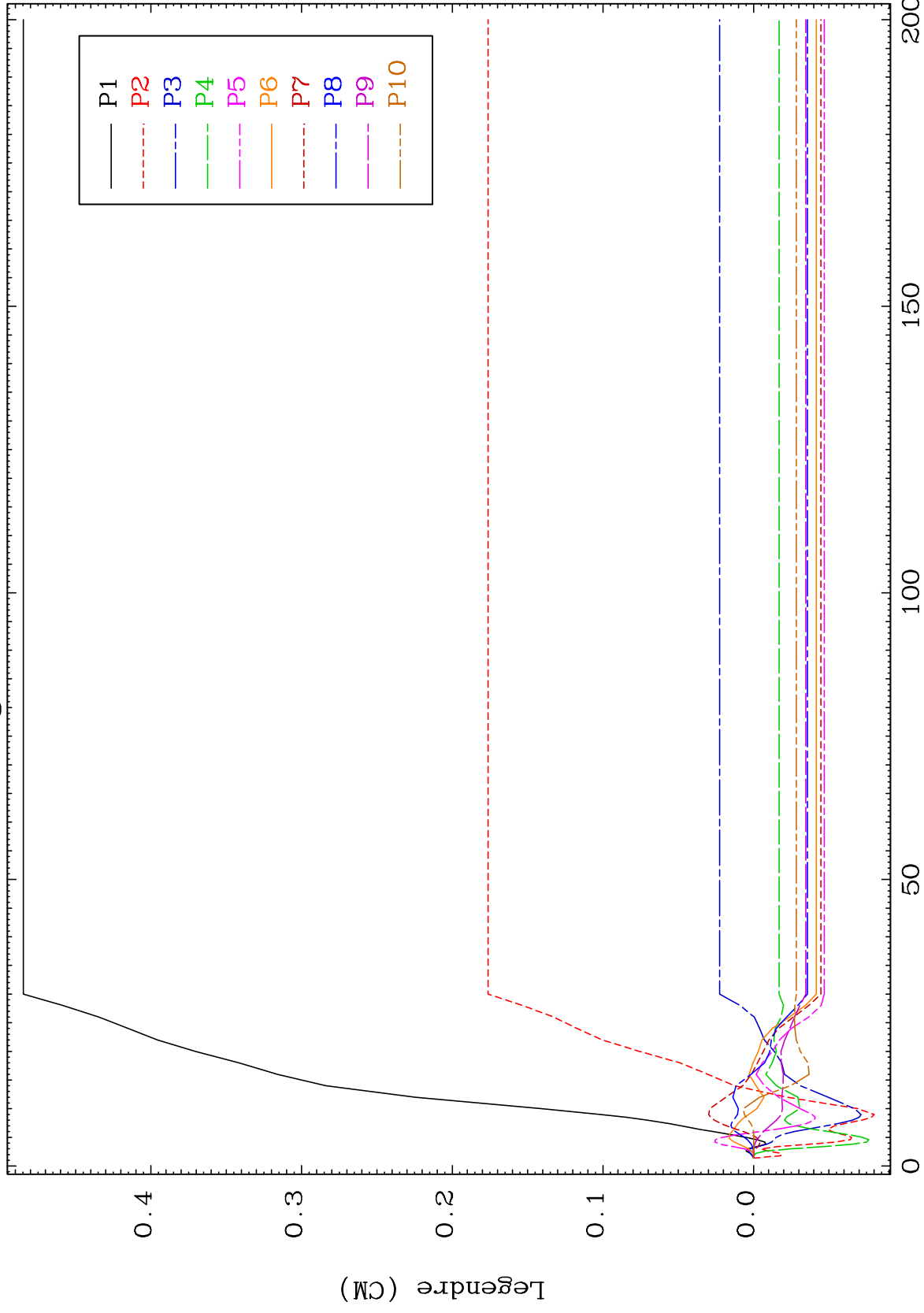




MAT 7831

1.378 MeV (n,n') Level  
Legendre Coefficients

78-Pt-192



46

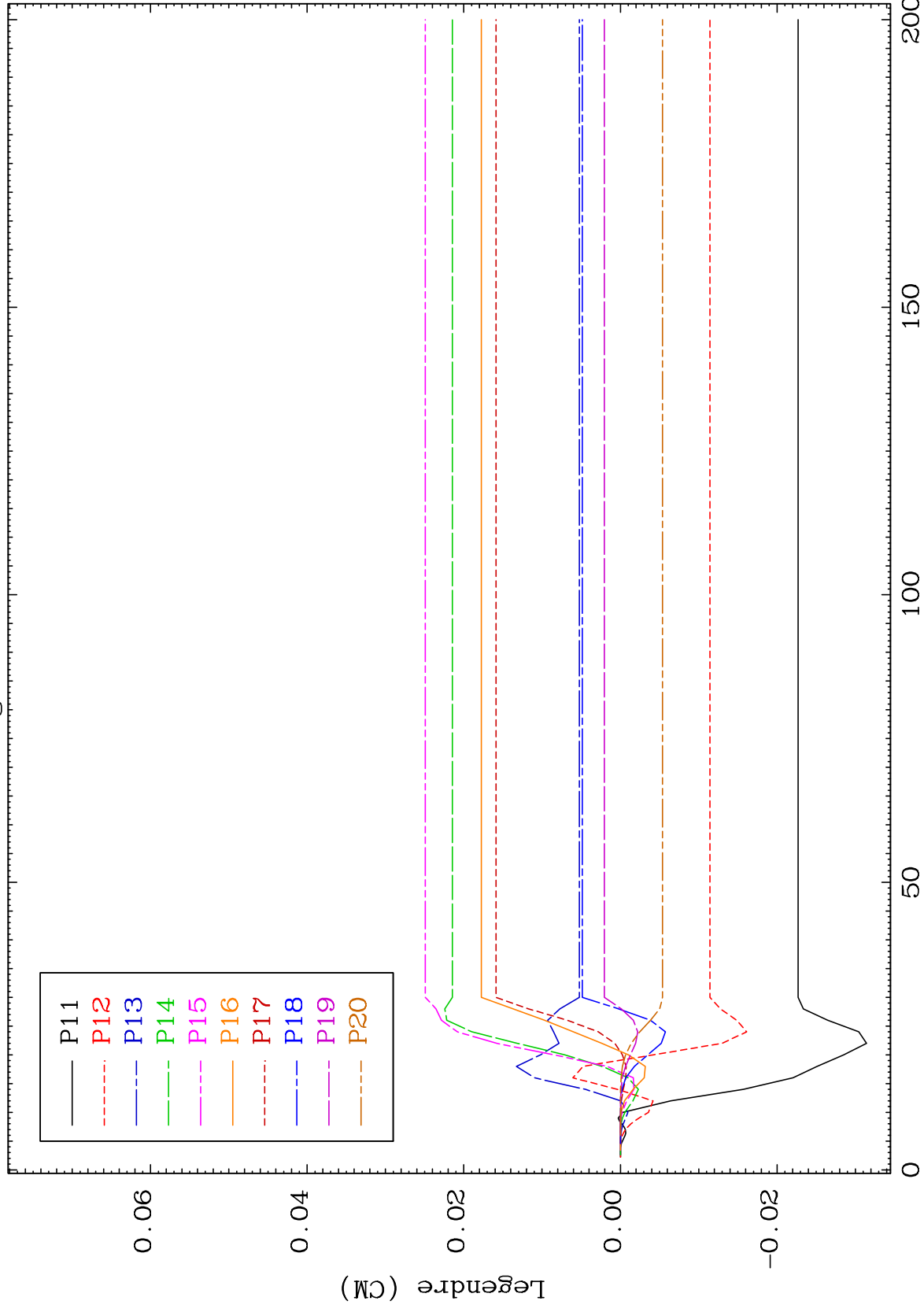
Incident Energy (MeV)

78-Pt-192

MAT 7831

1.378 MeV (n,n') Level  
Legendre Coefficients

78-Pt-192

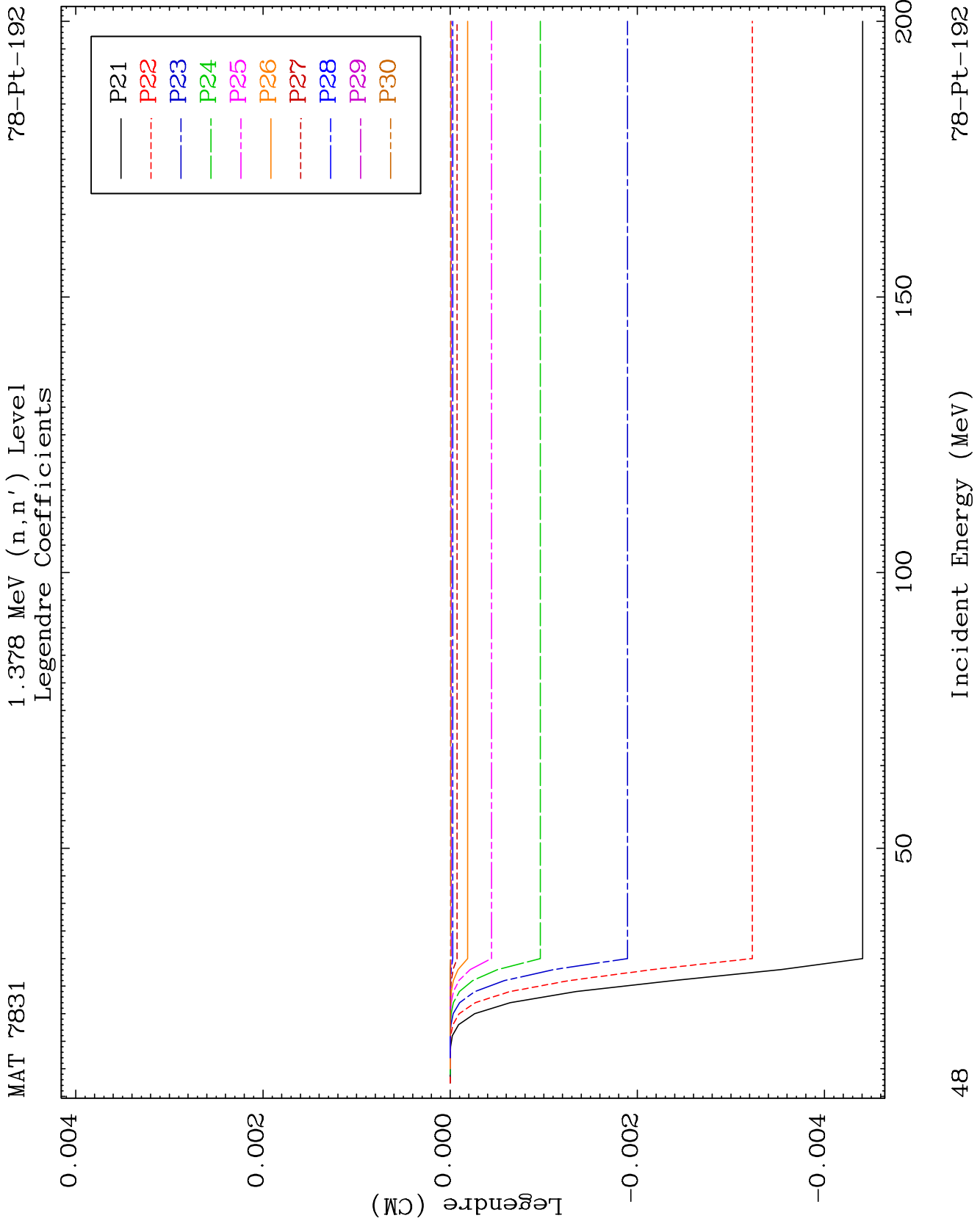


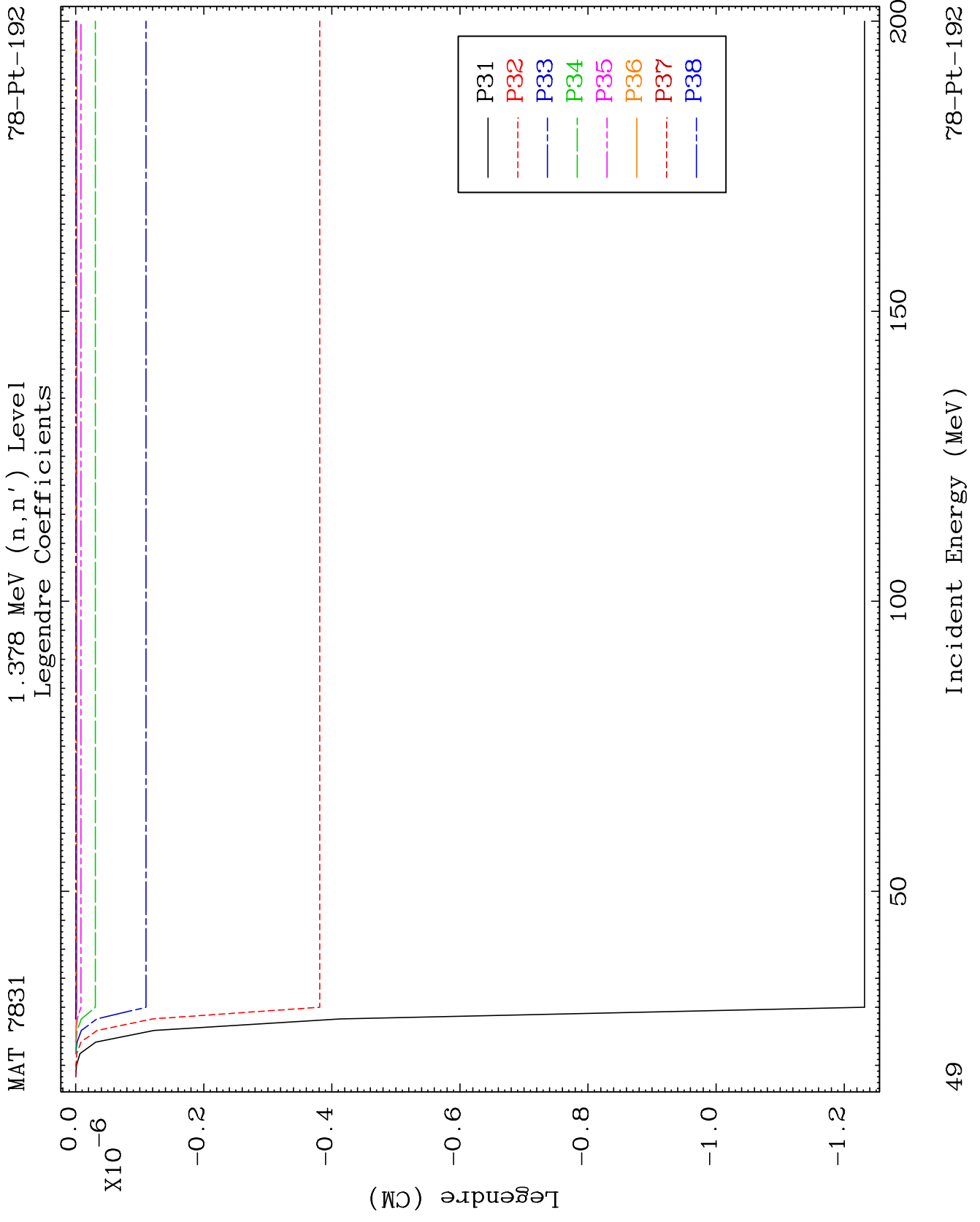
47

Incident Energy (MeV)

78-Pt-192





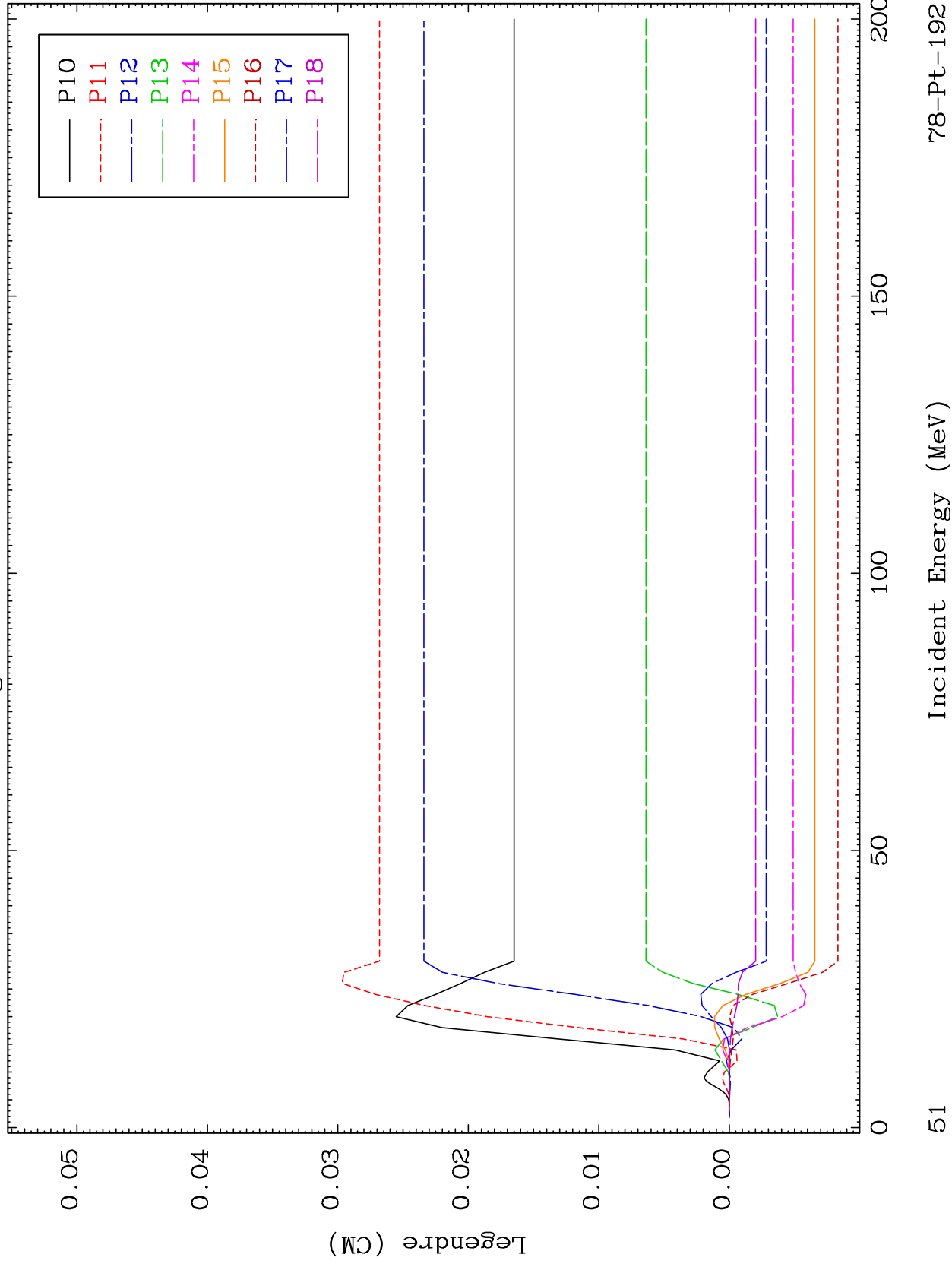




MAT 7831

1.384 MeV (n,n') Level  
Legendre Coefficients

78-Pt-192



51

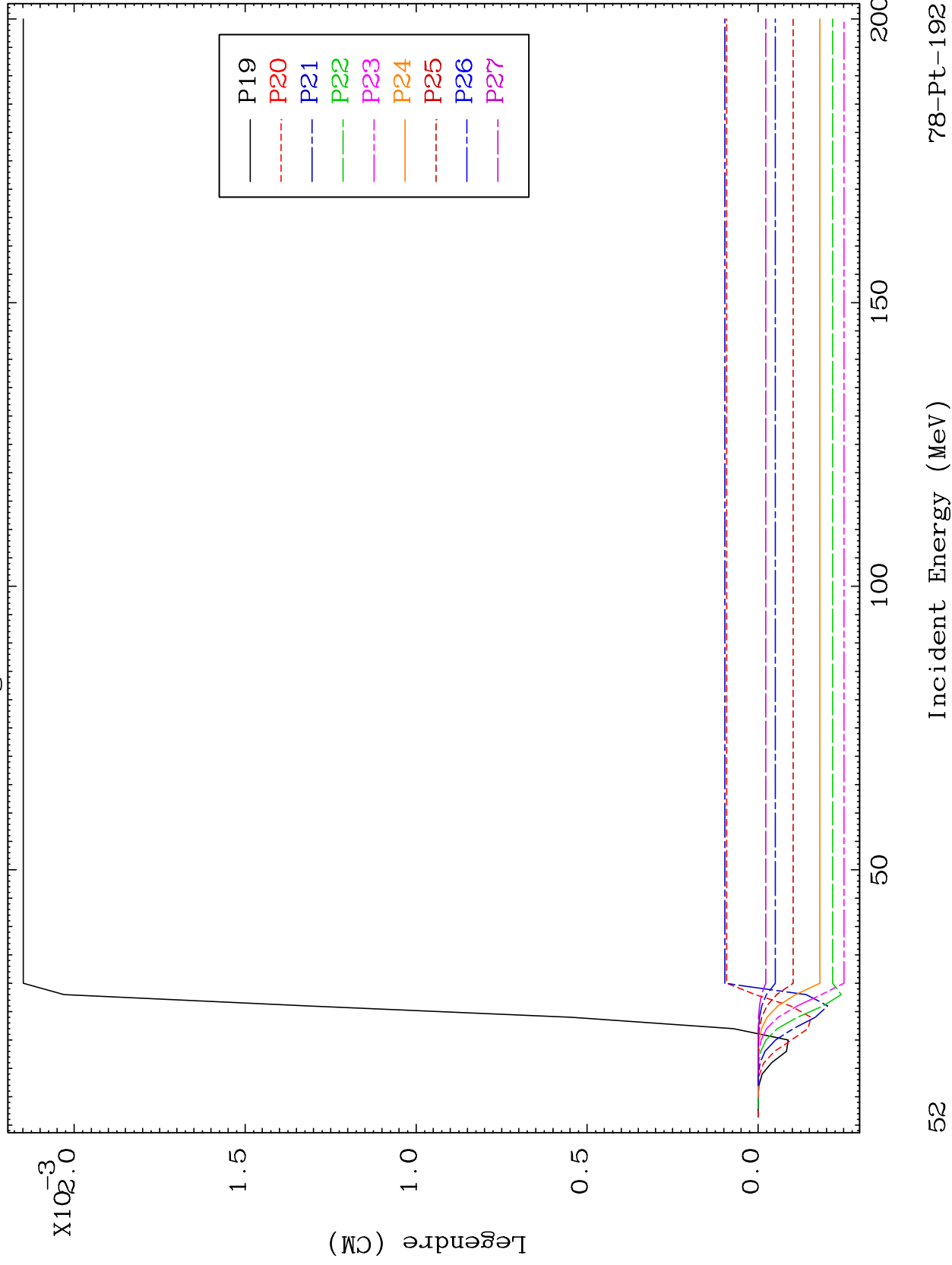
Incident Energy (MeV)

78-Pt-192

MAT 7831

1.384 MeV (n,n') Level  
Legendre Coefficients

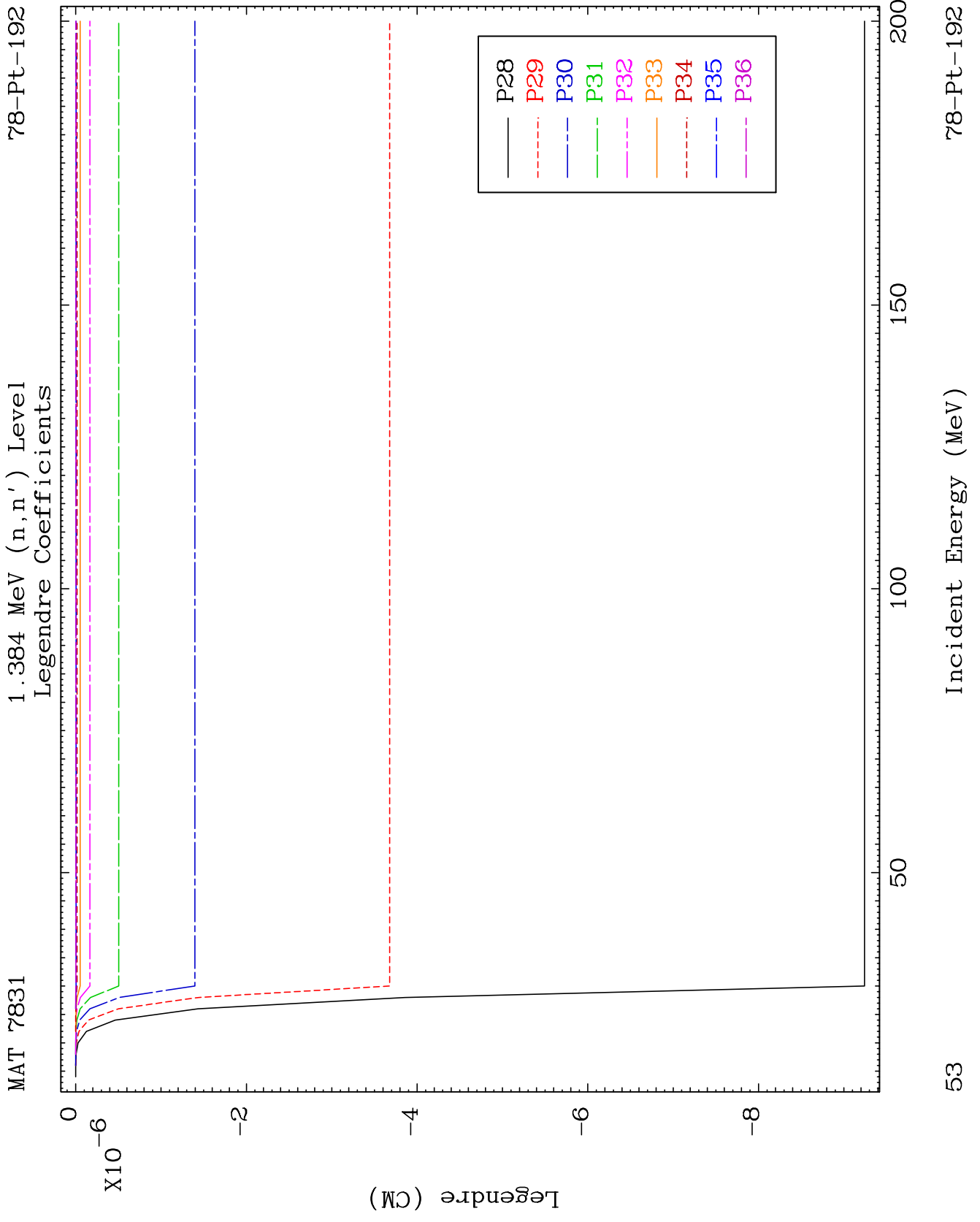
78-Pt-192



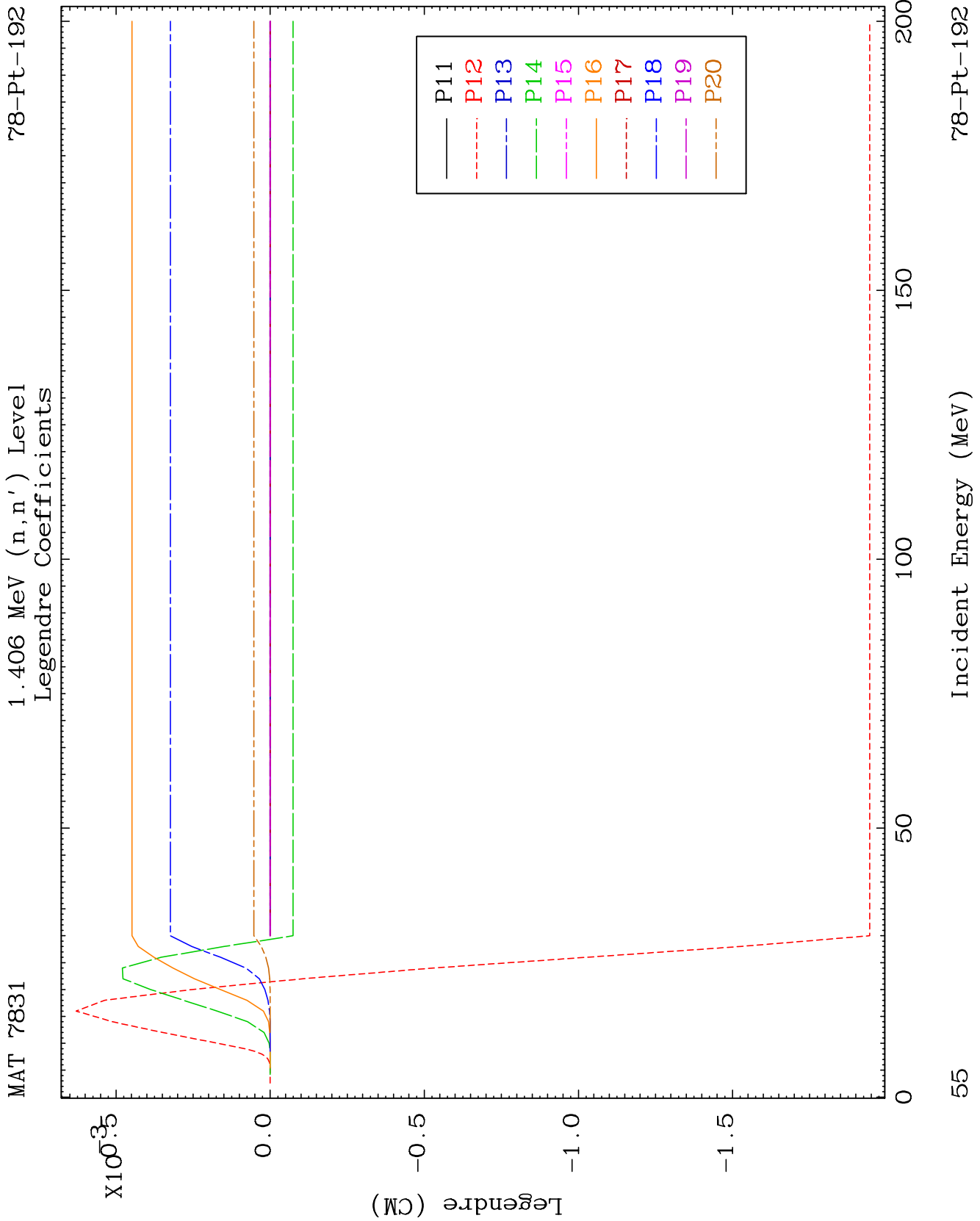
52

Incident Energy (MeV)

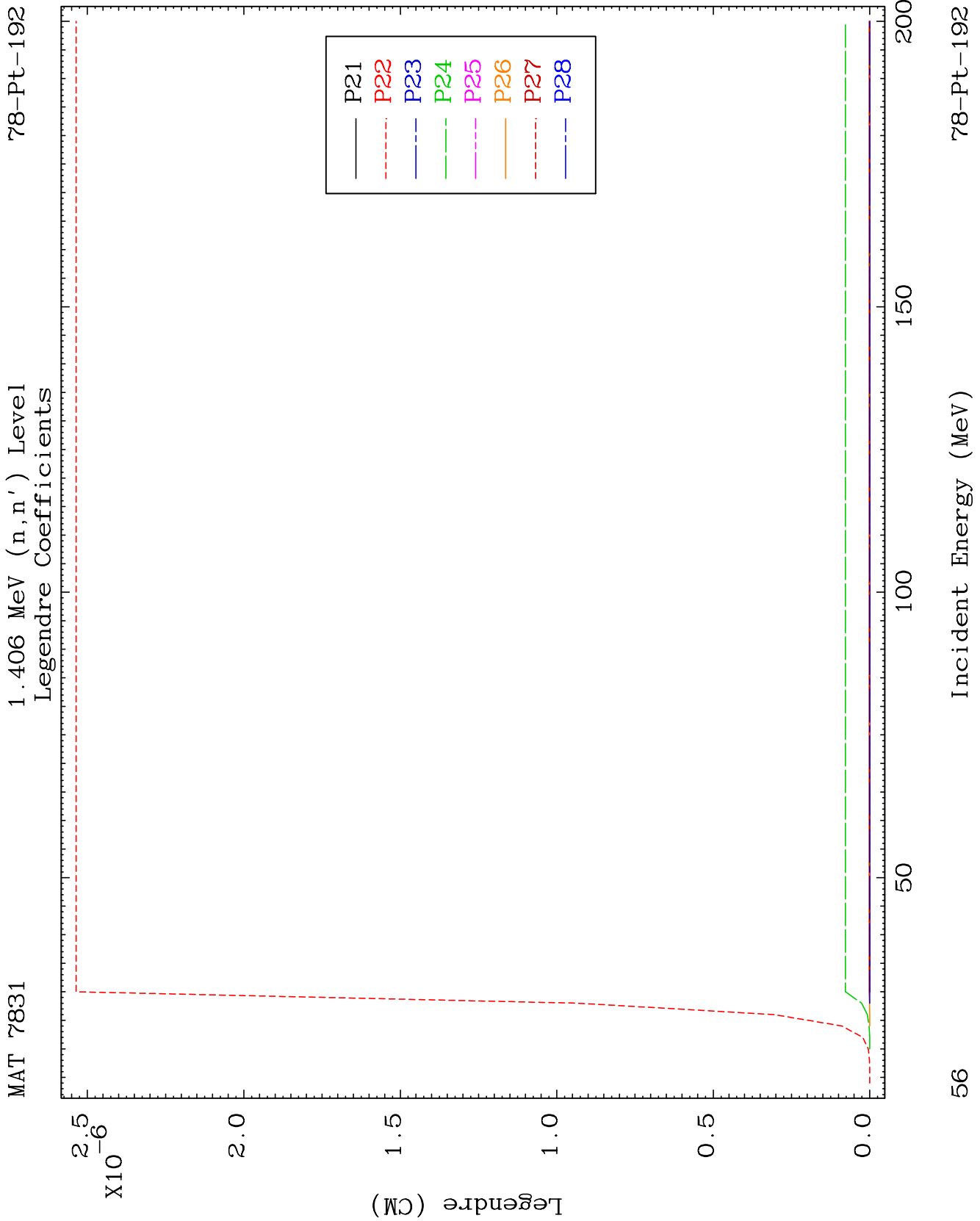
78-Pt-192







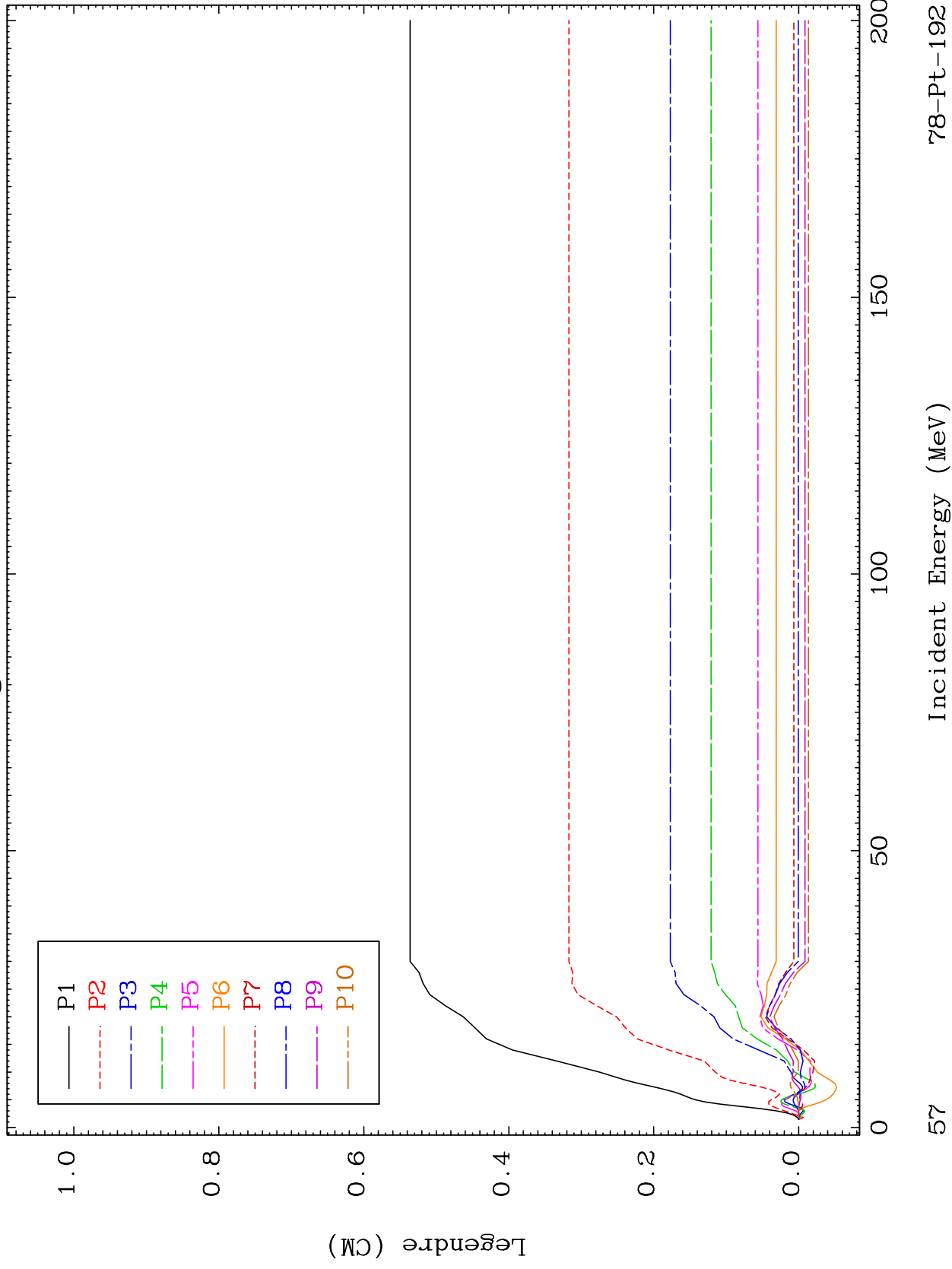




MAT 7831

1.439 MeV (n,n') Level  
Legendre Coefficients

78-Pt-192



78-Pt-192

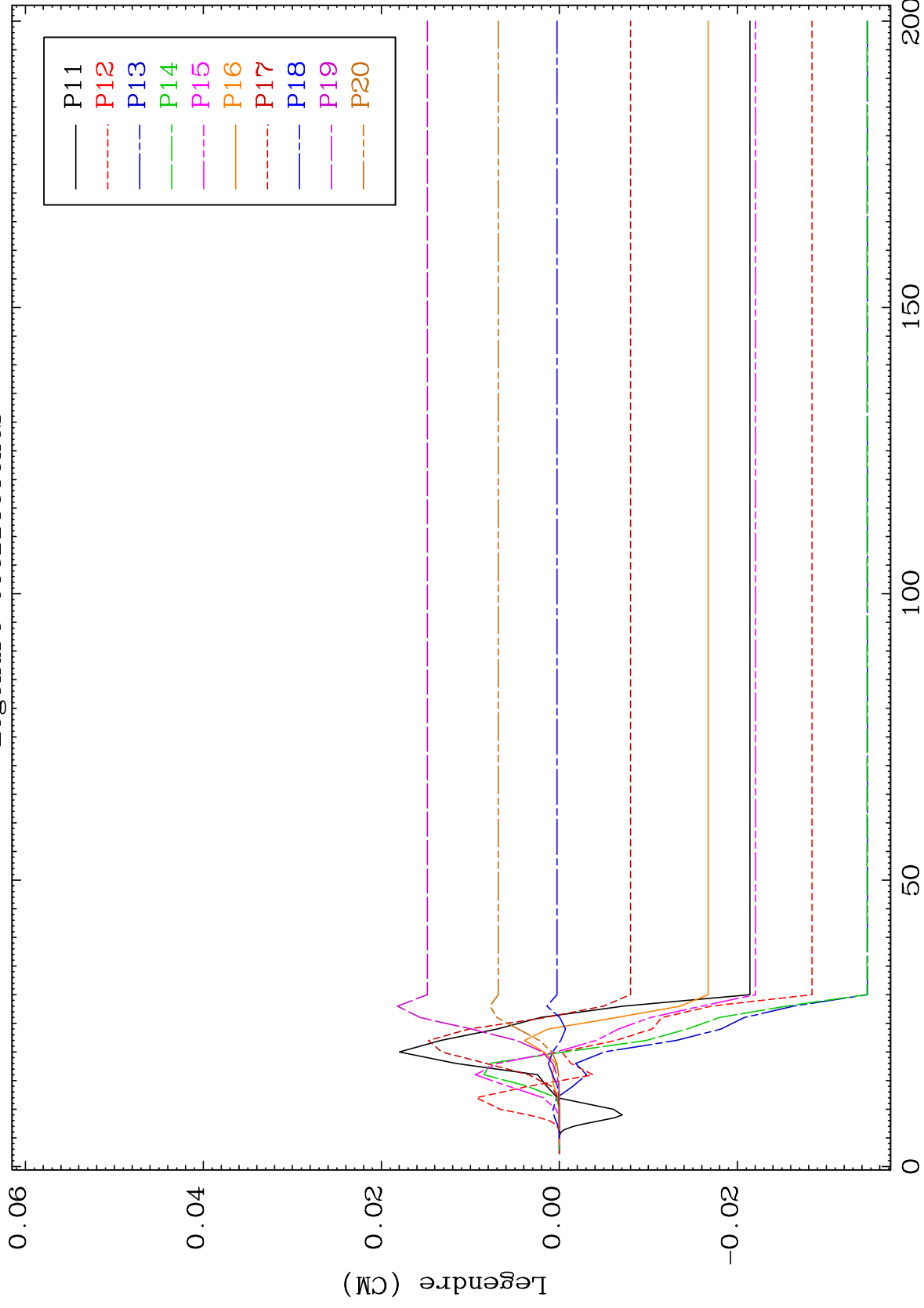
Incident Energy (MeV)

57

MAT 7831

1.439 MeV (n,n') Level  
Legendre Coefficients

78-Pt-192



58

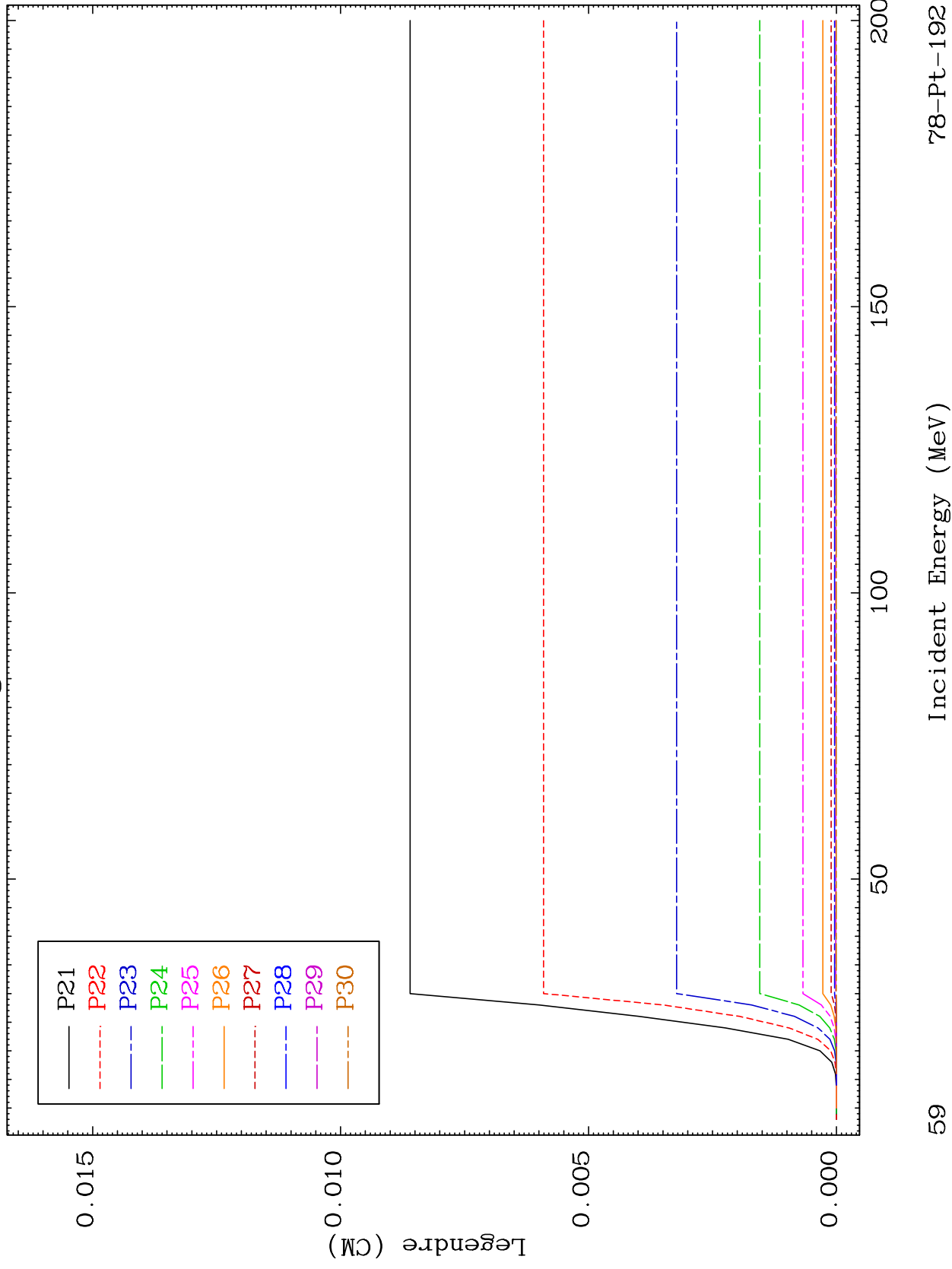
Incident Energy (MeV)

78-Pt-192

MAT 7831

1.439 MeV (n,n') Level  
Legendre Coefficients

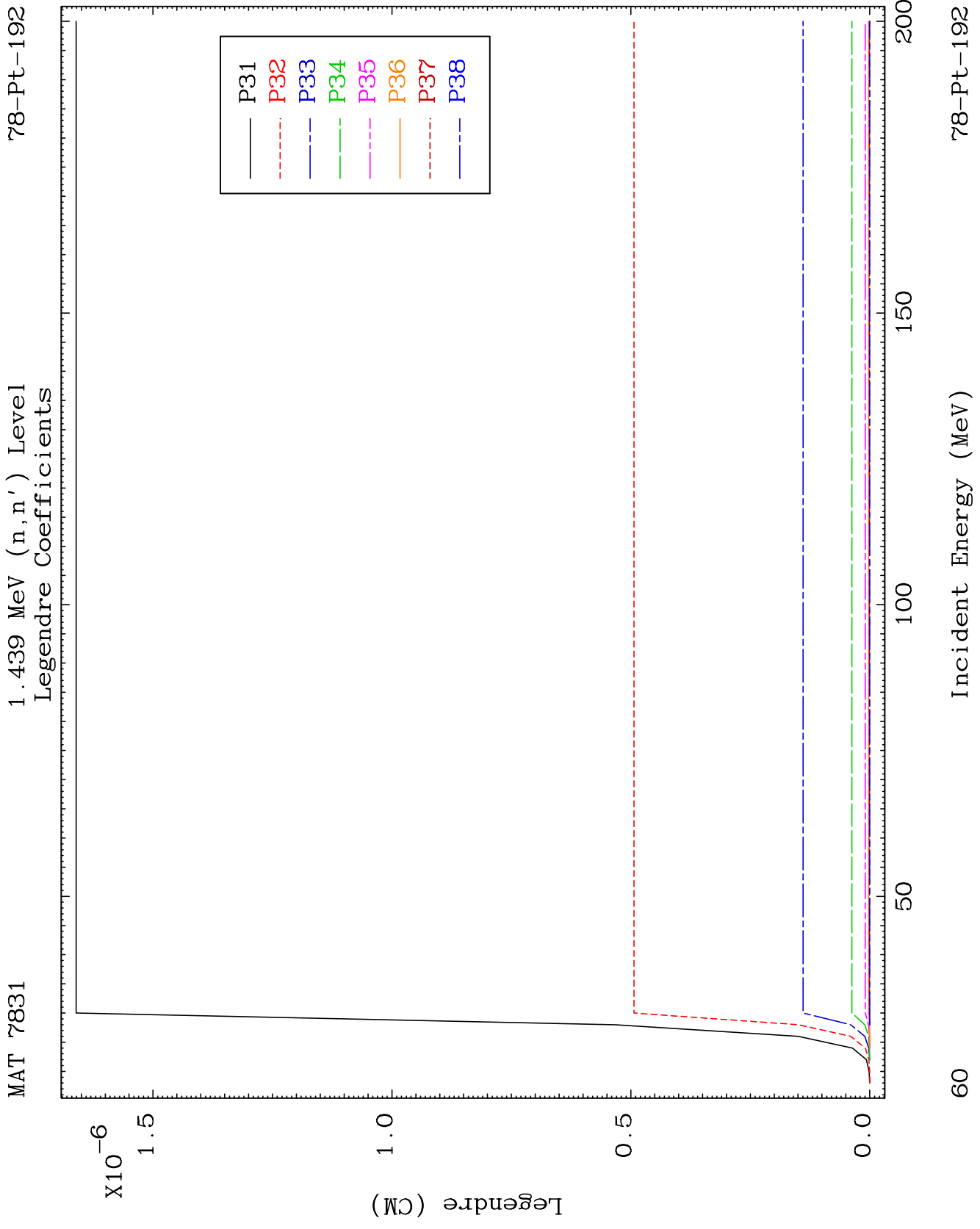
78-Pt-192



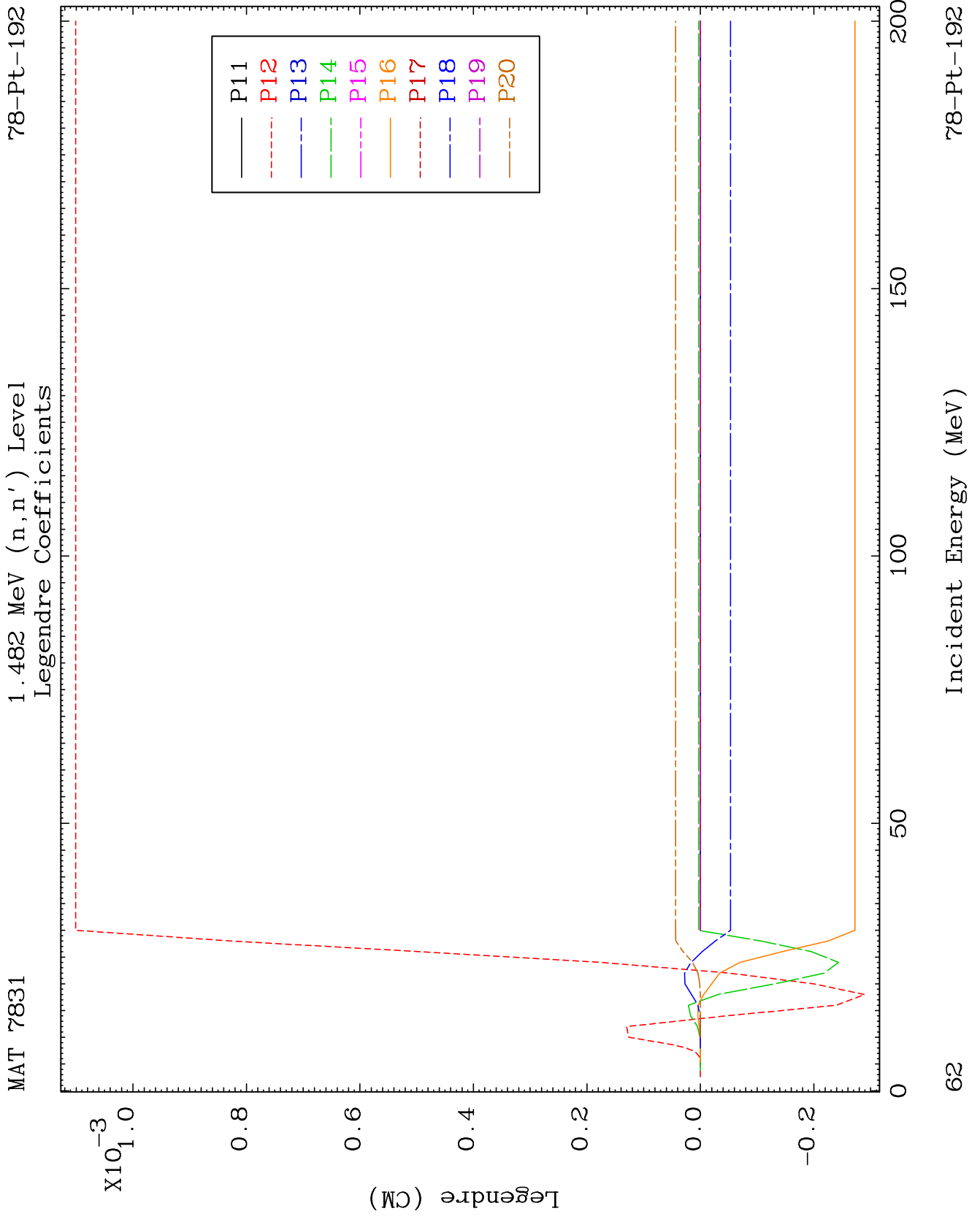
59

Incident Energy (MeV)

78-Pt-192







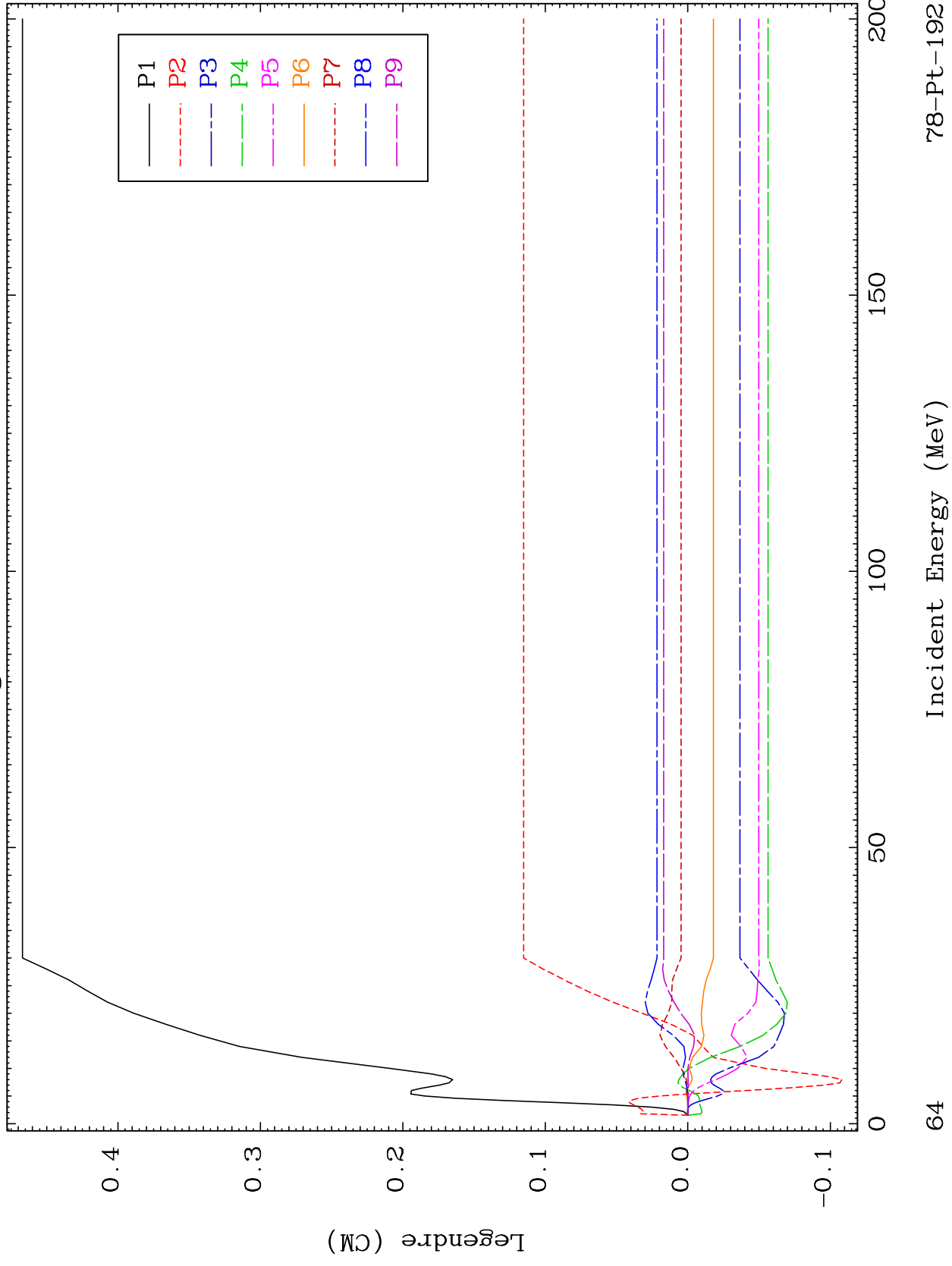




MAT 7831

1.518 MeV (n,n') Level  
Legendre Coefficients

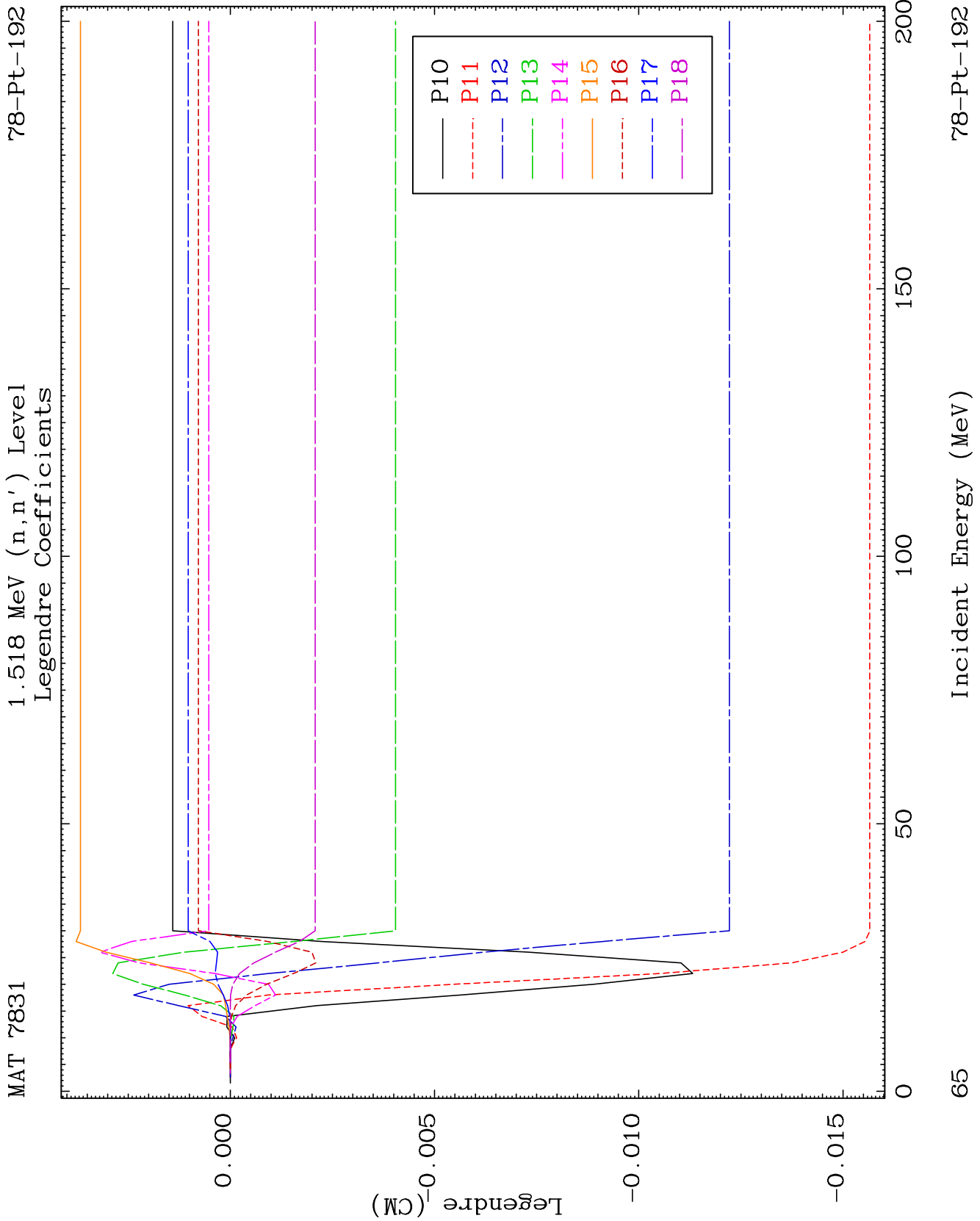
78-Pt-192

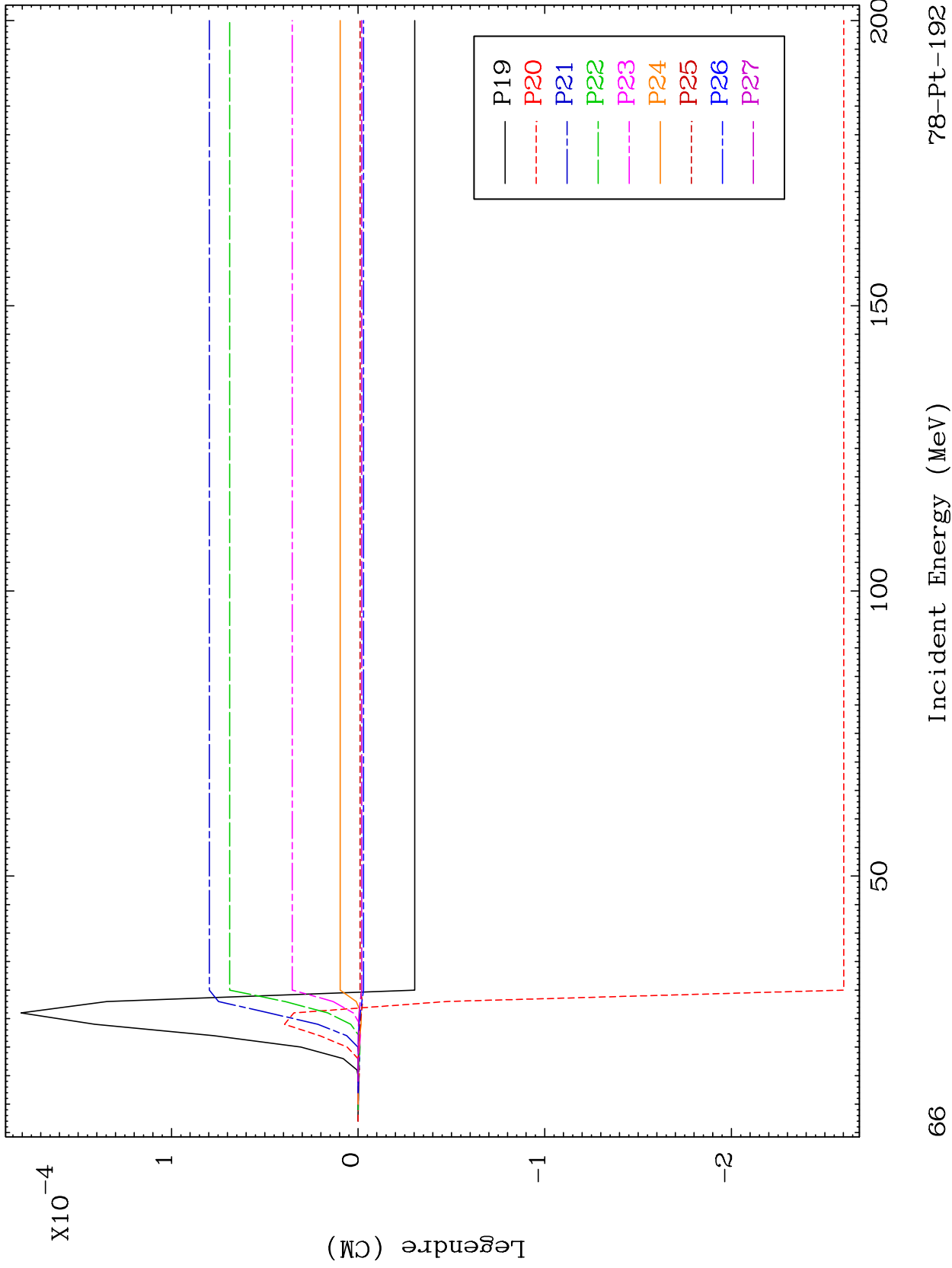


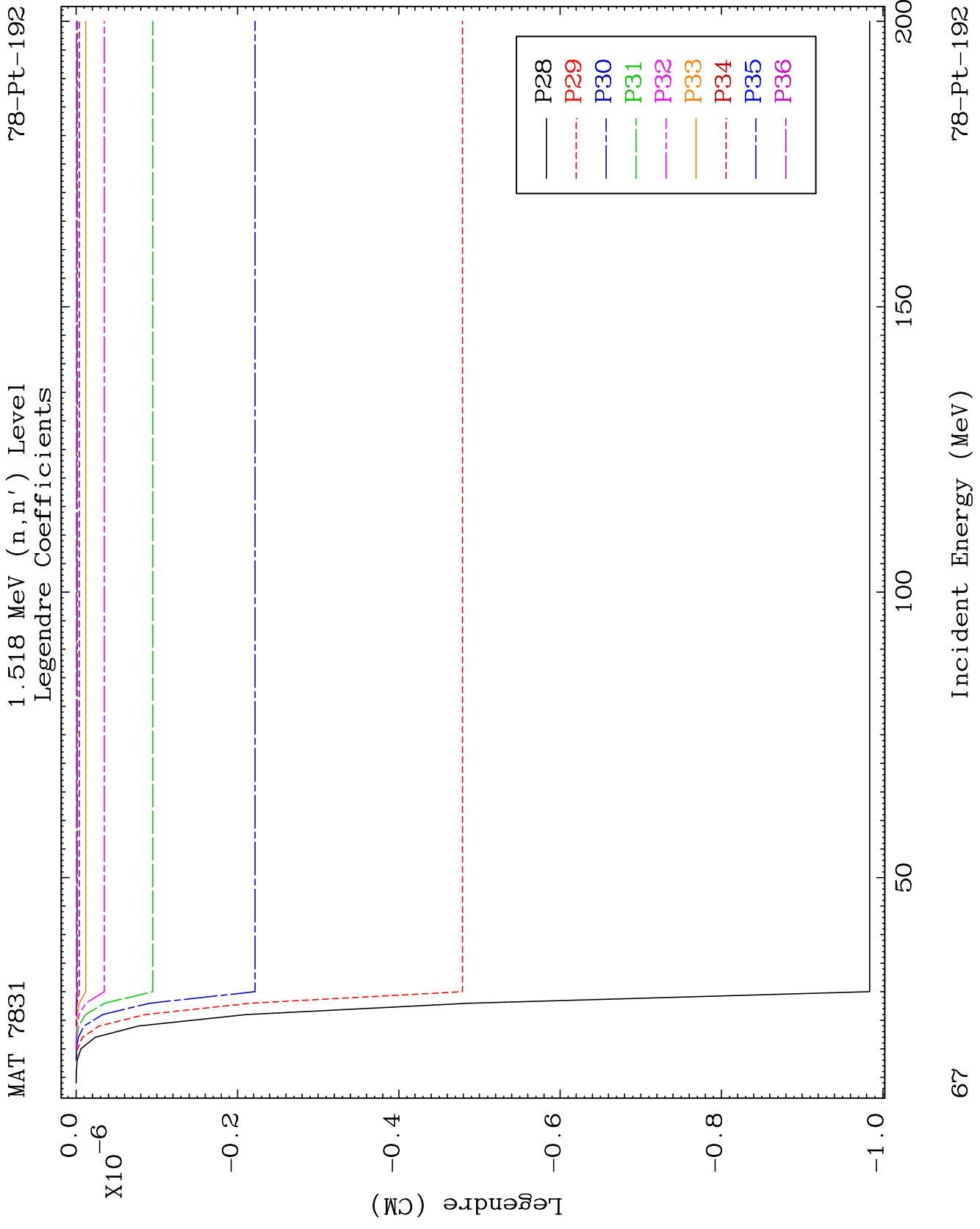
78-Pt-192

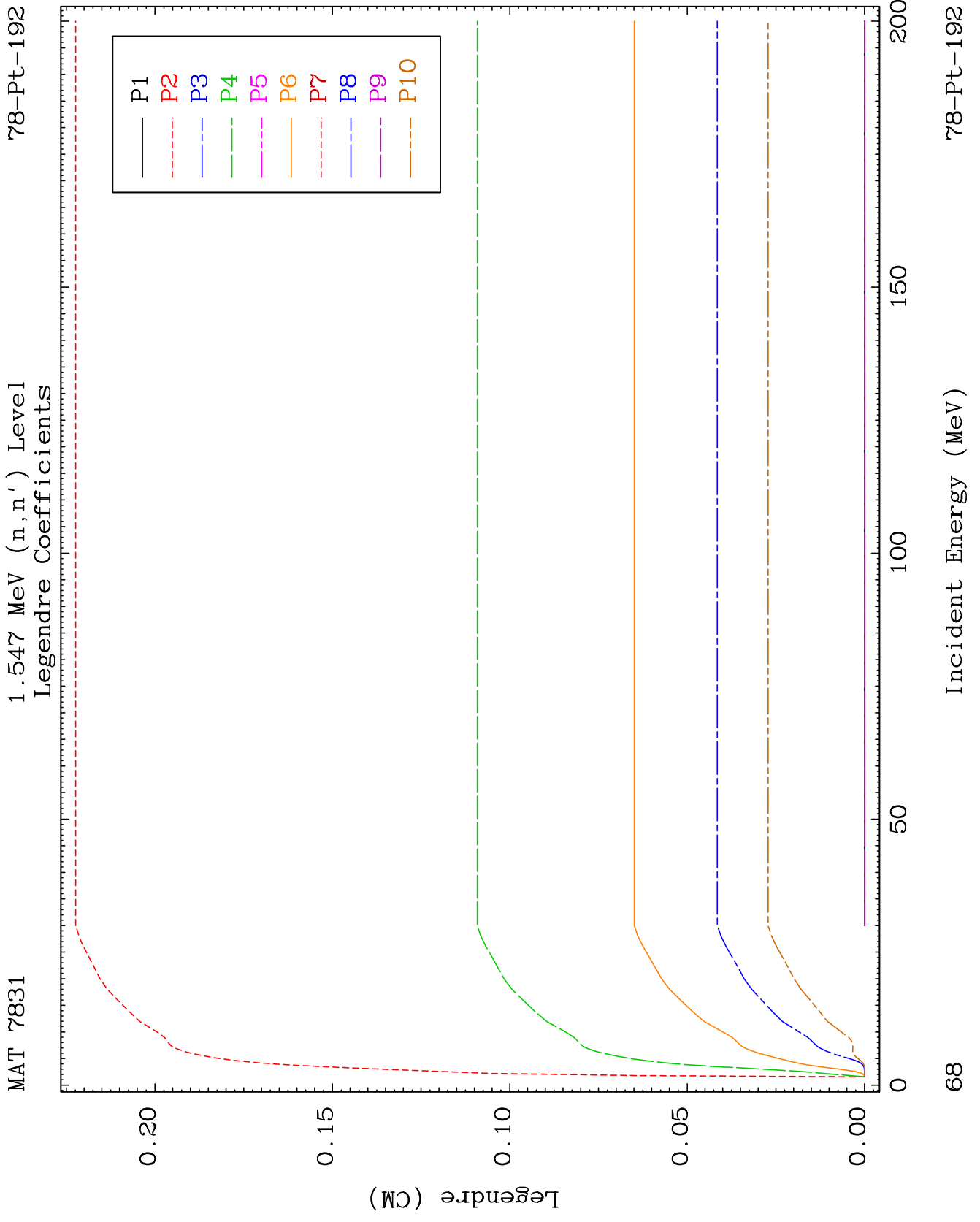
Incident Energy (MeV)

64





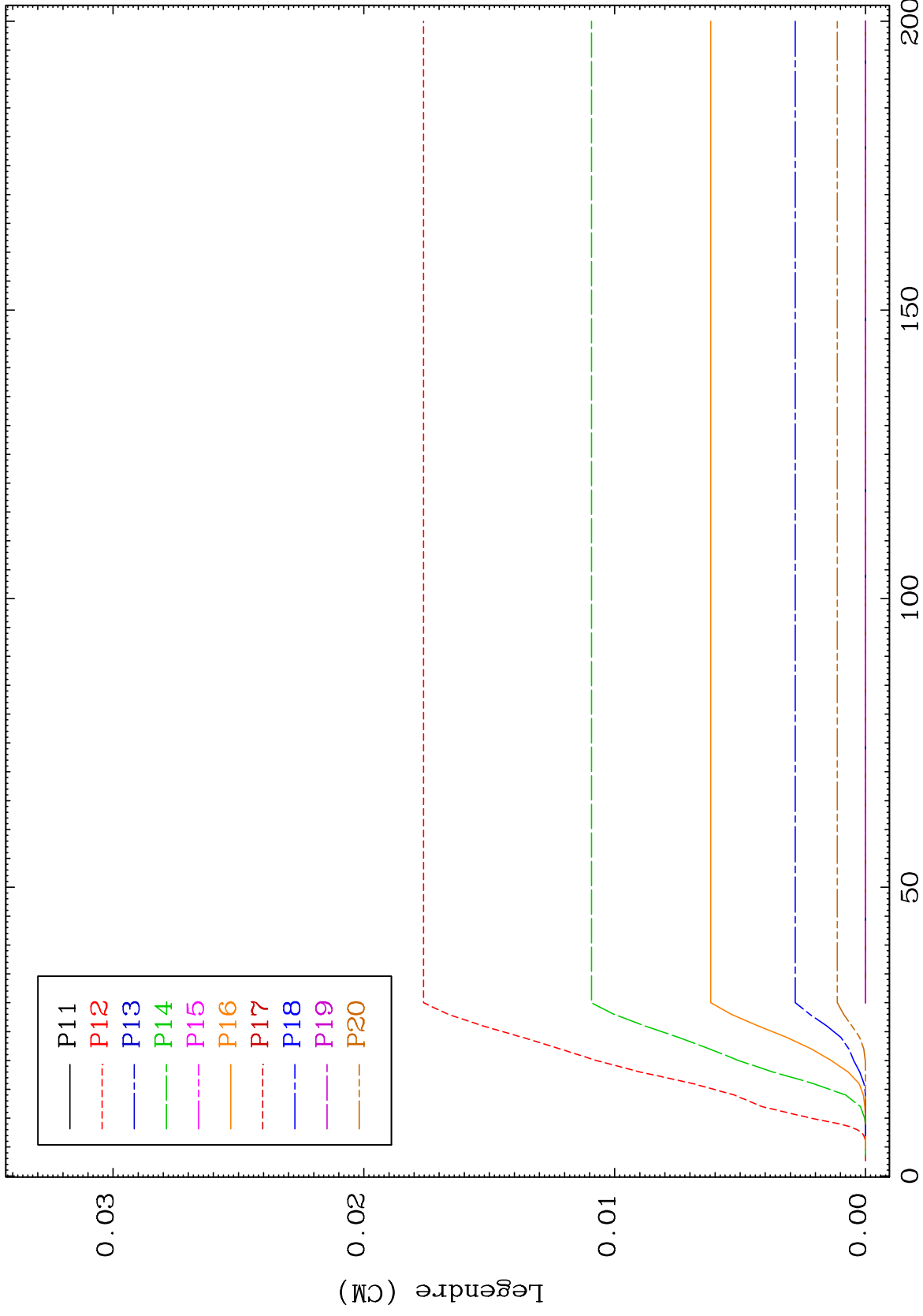




MAT 7831

1.547 MeV (n,n') Level  
Legendre Coefficients

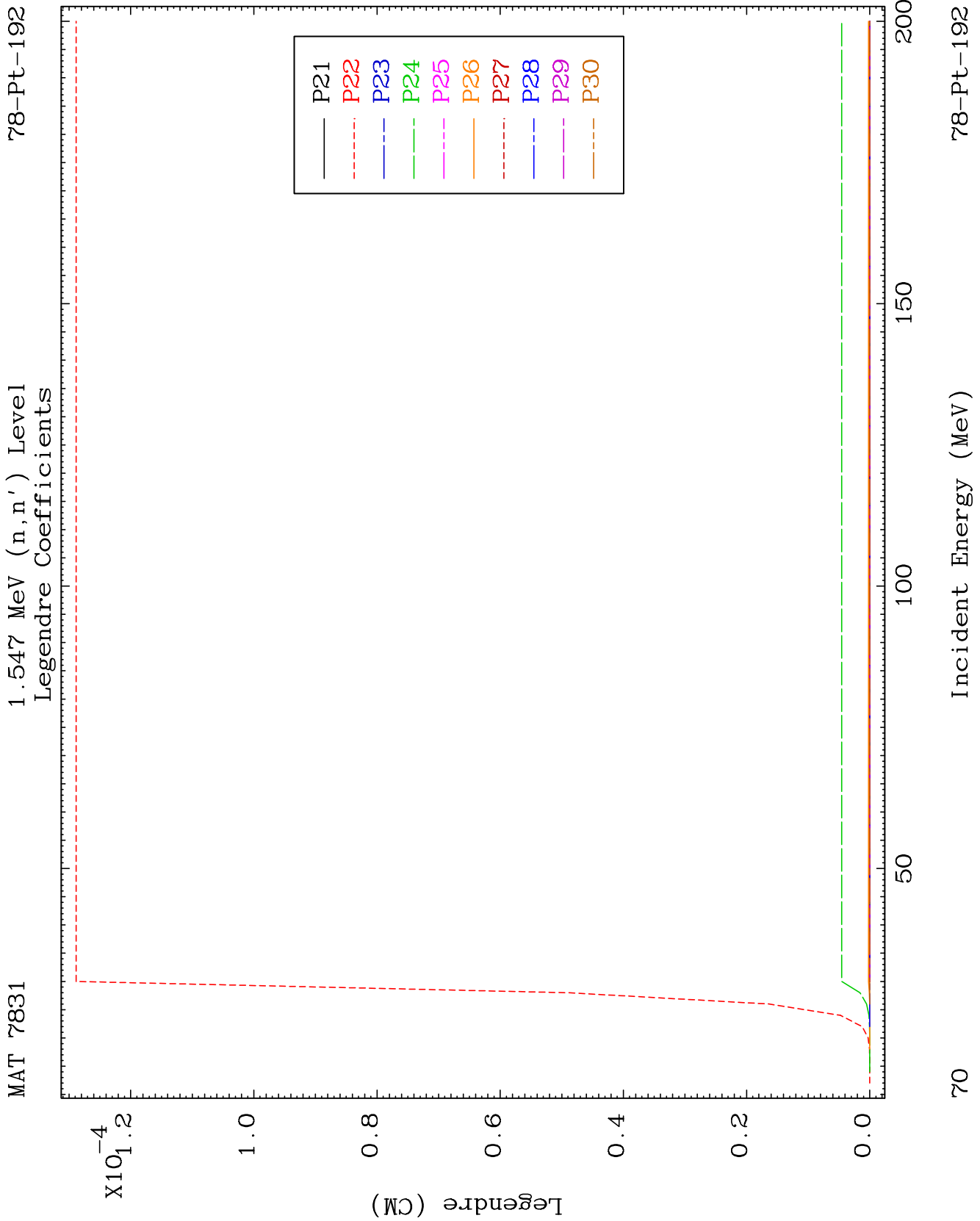
78-Pt-192



Incident Energy (MeV)

78-Pt-192

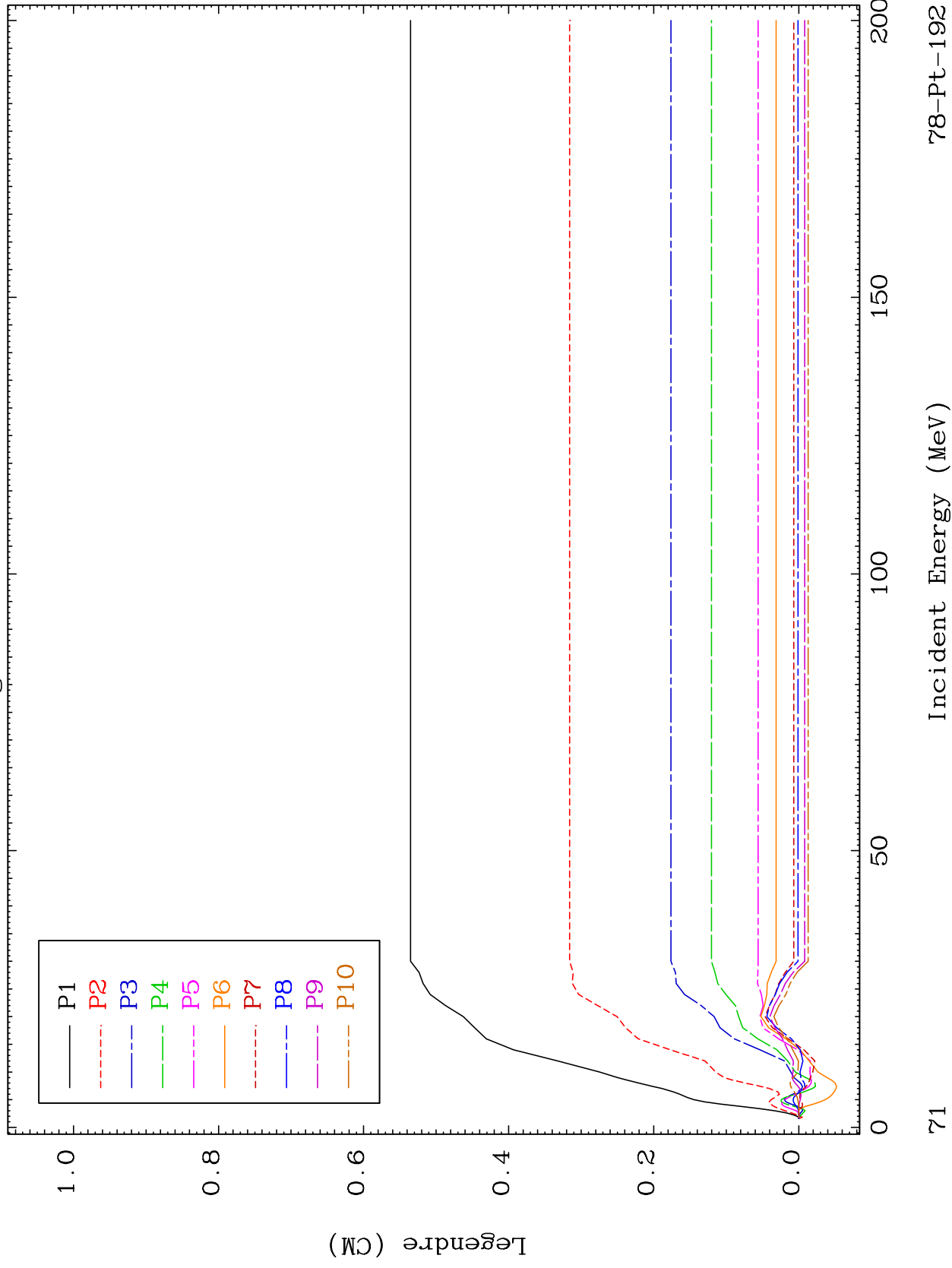
69



MAT 7831

1.576 MeV (n, n') Level  
Legendre Coefficients

78-Pt-192

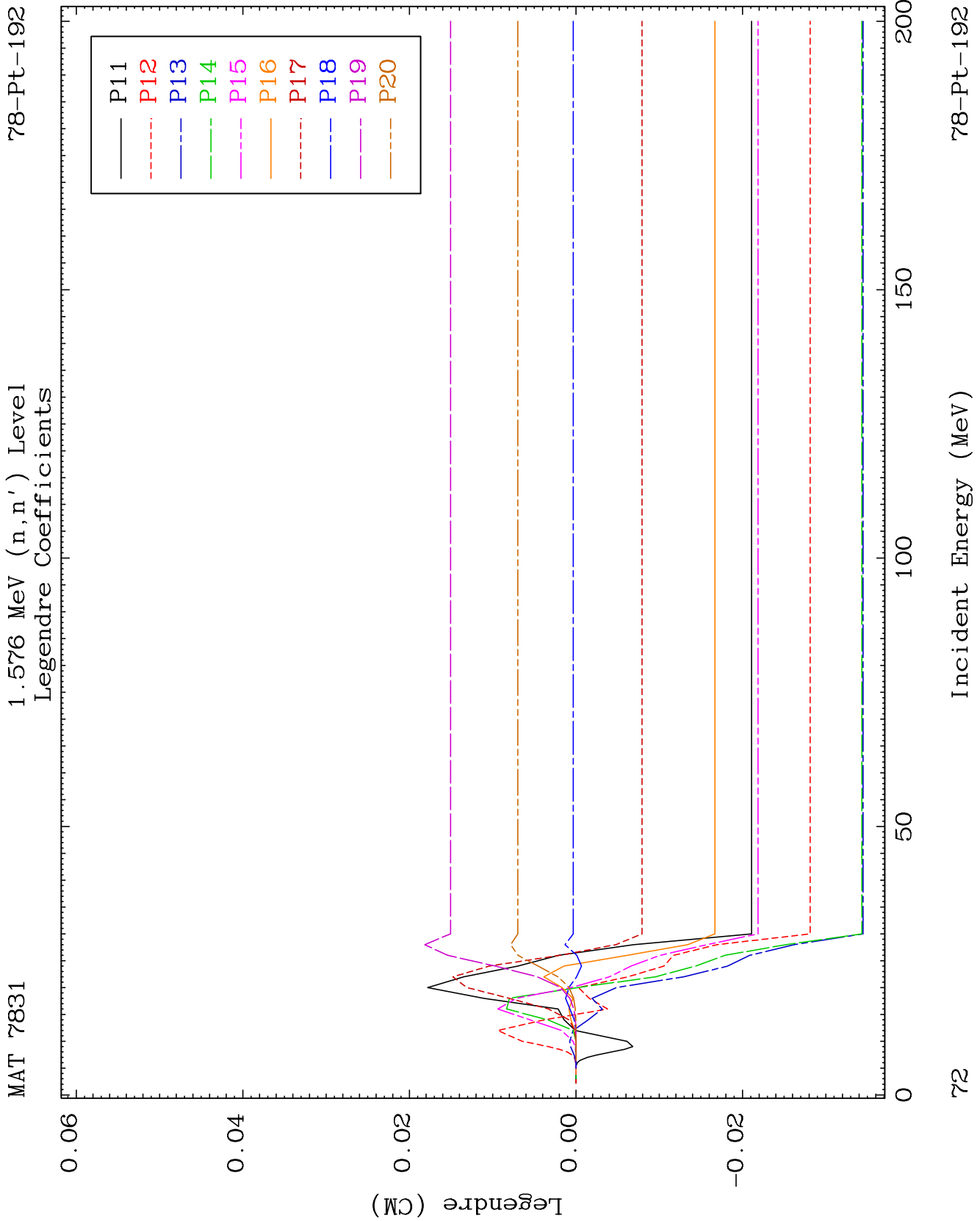


71

Incident Energy (MeV)

78-Pt-192

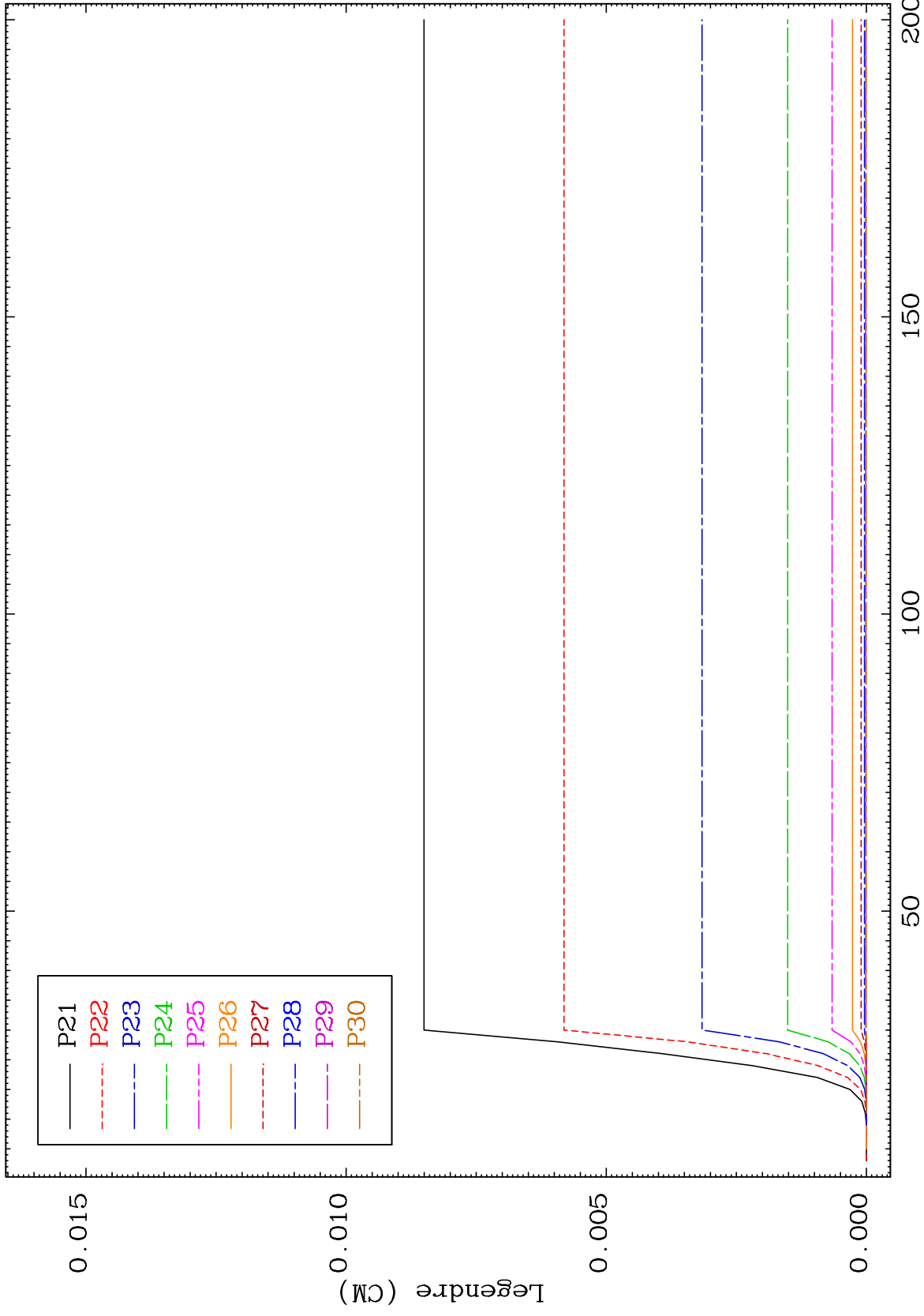




MAT 7831

1.576 MeV (n,n') Level  
Legendre Coefficients

78-Pt-192

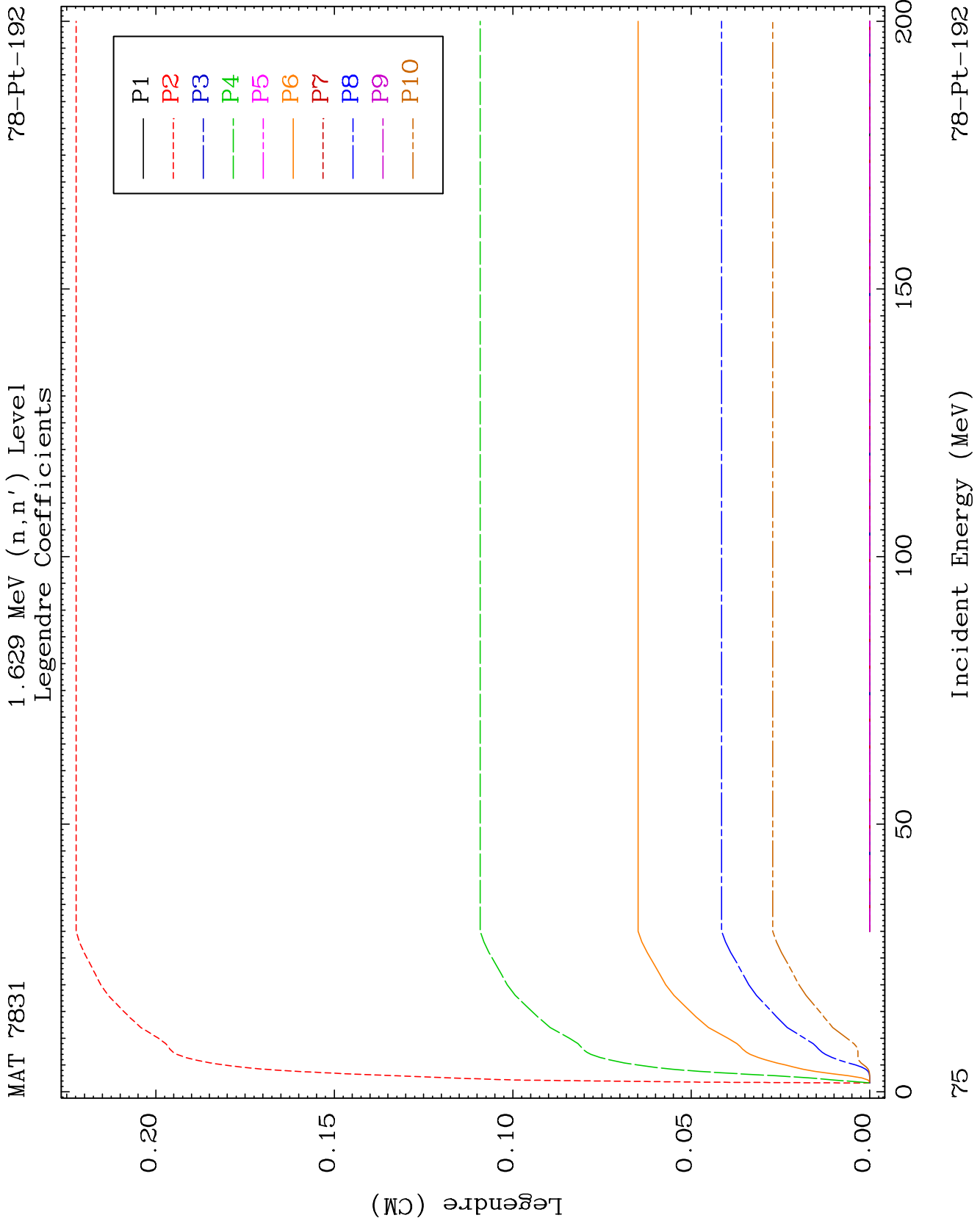


73

Incident Energy (MeV)

78-Pt-192

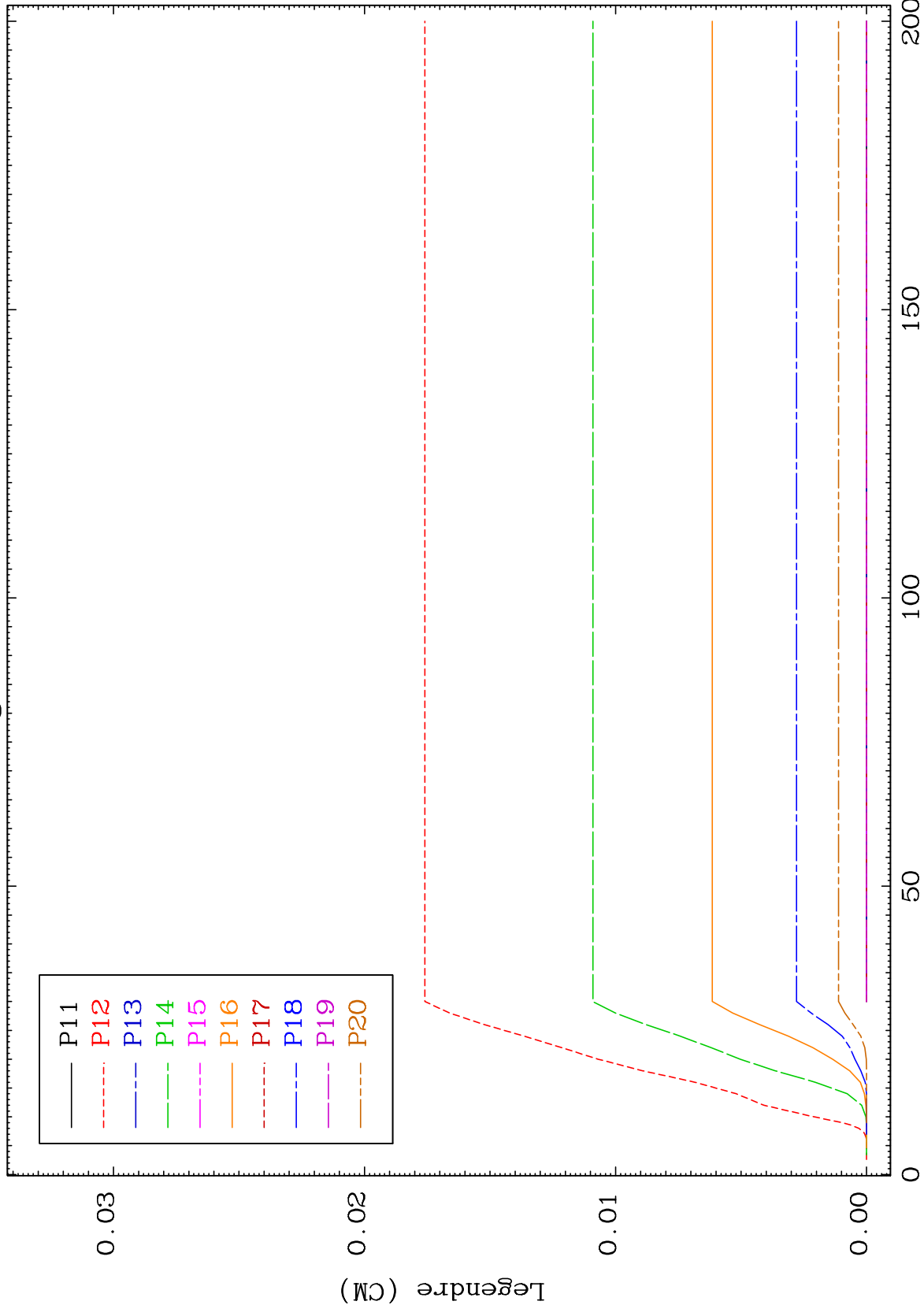




MAT 7831

1.629 MeV (n,n') Level  
Legendre Coefficients

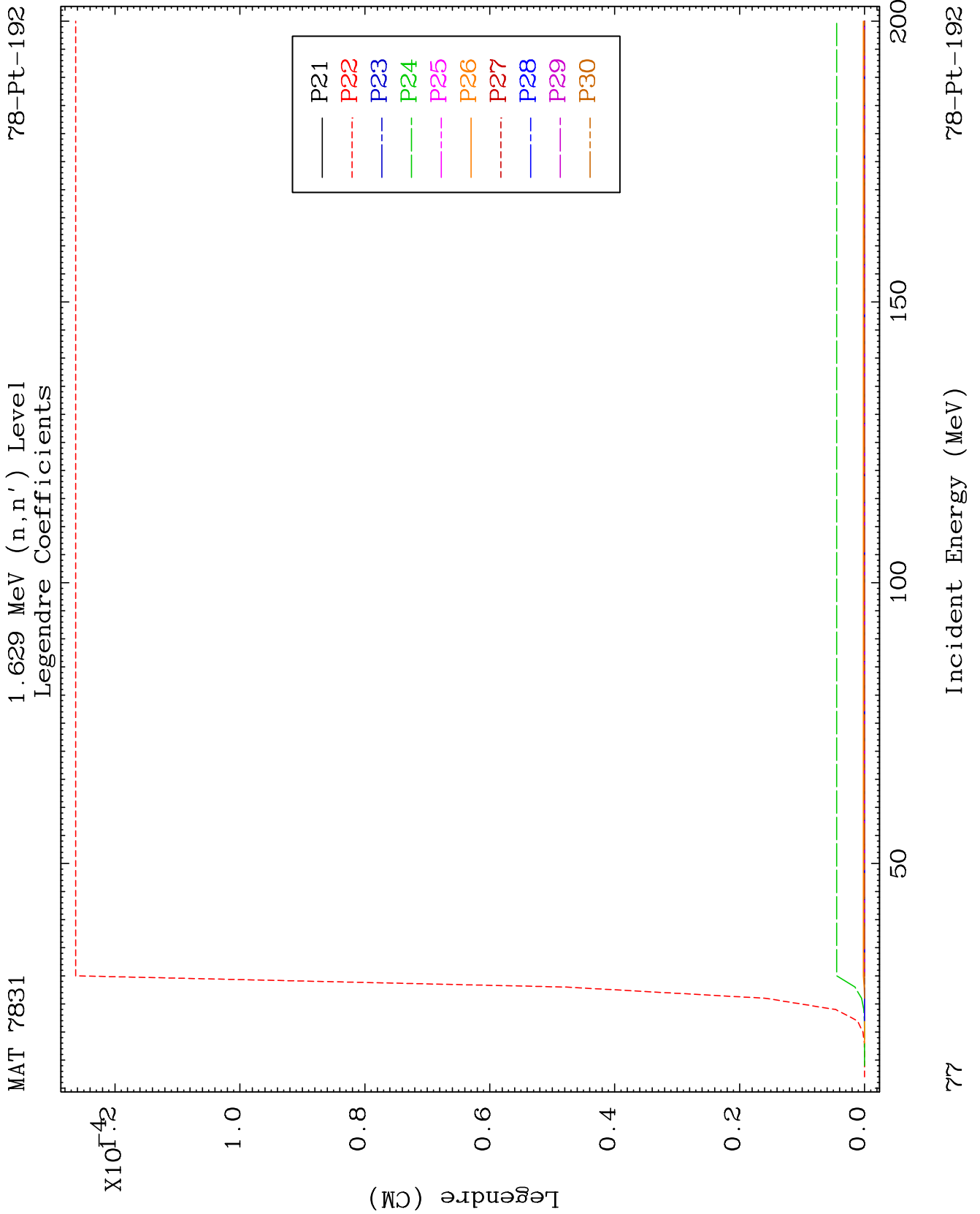
78-Pt-192

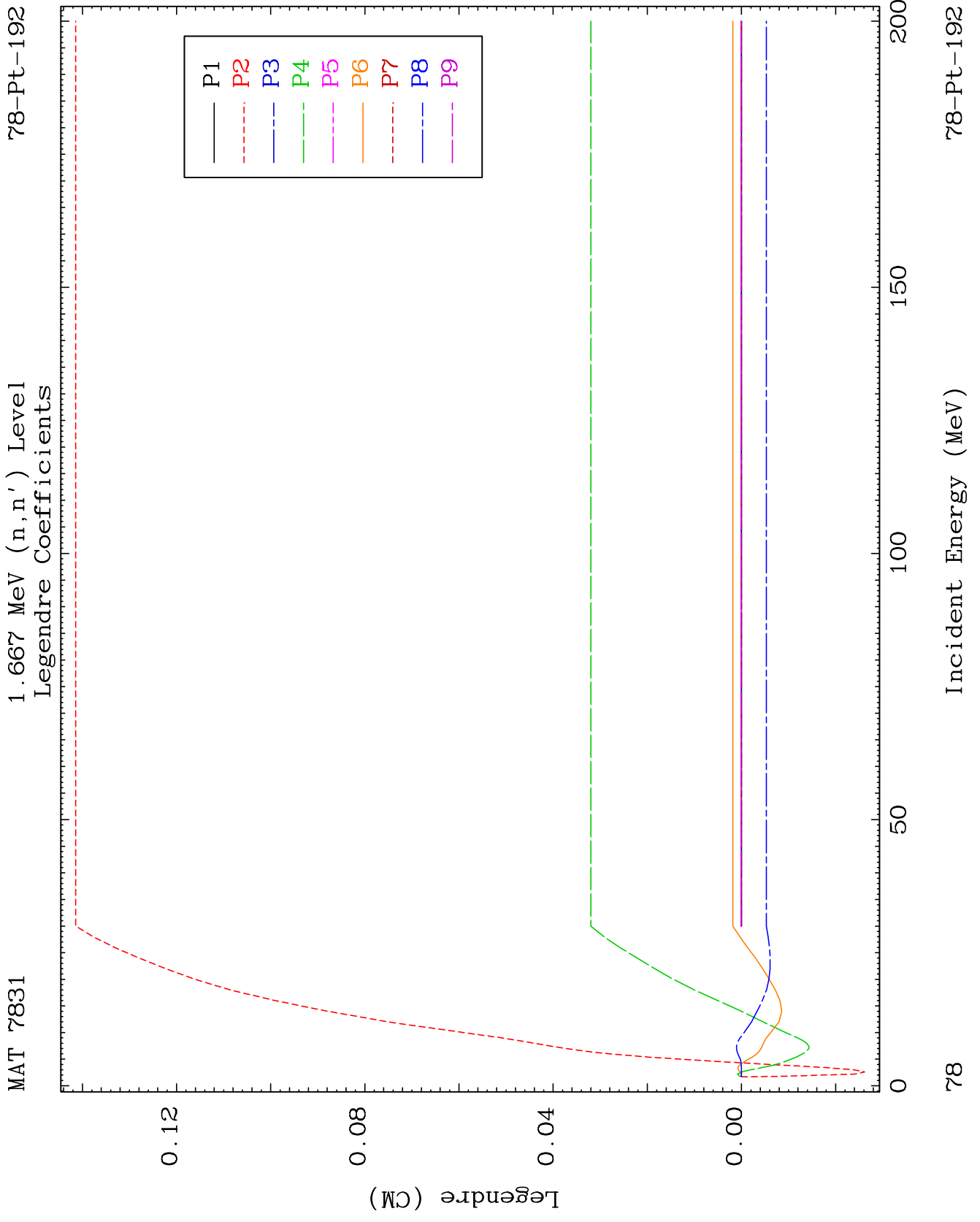


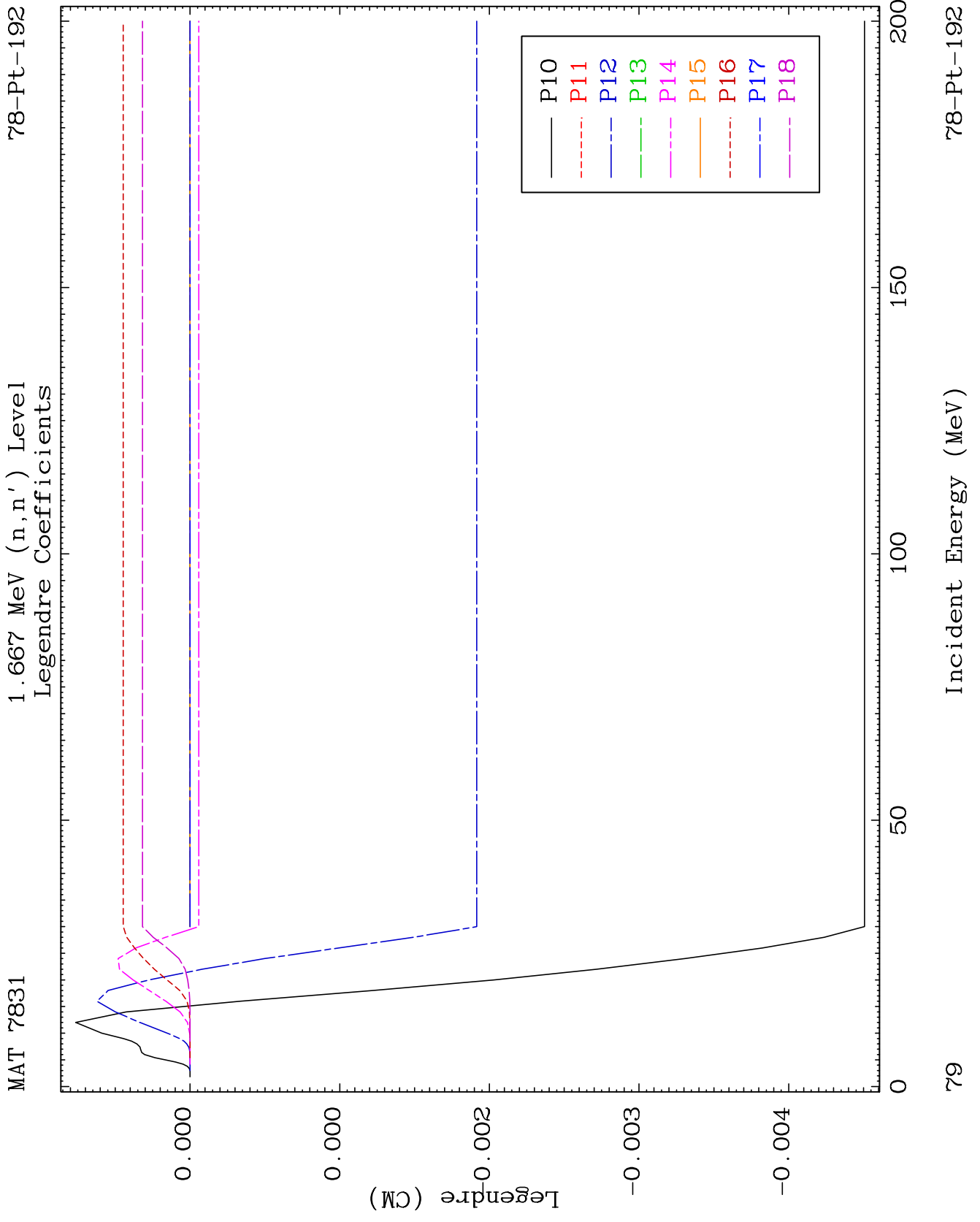
76

Incident Energy (MeV)

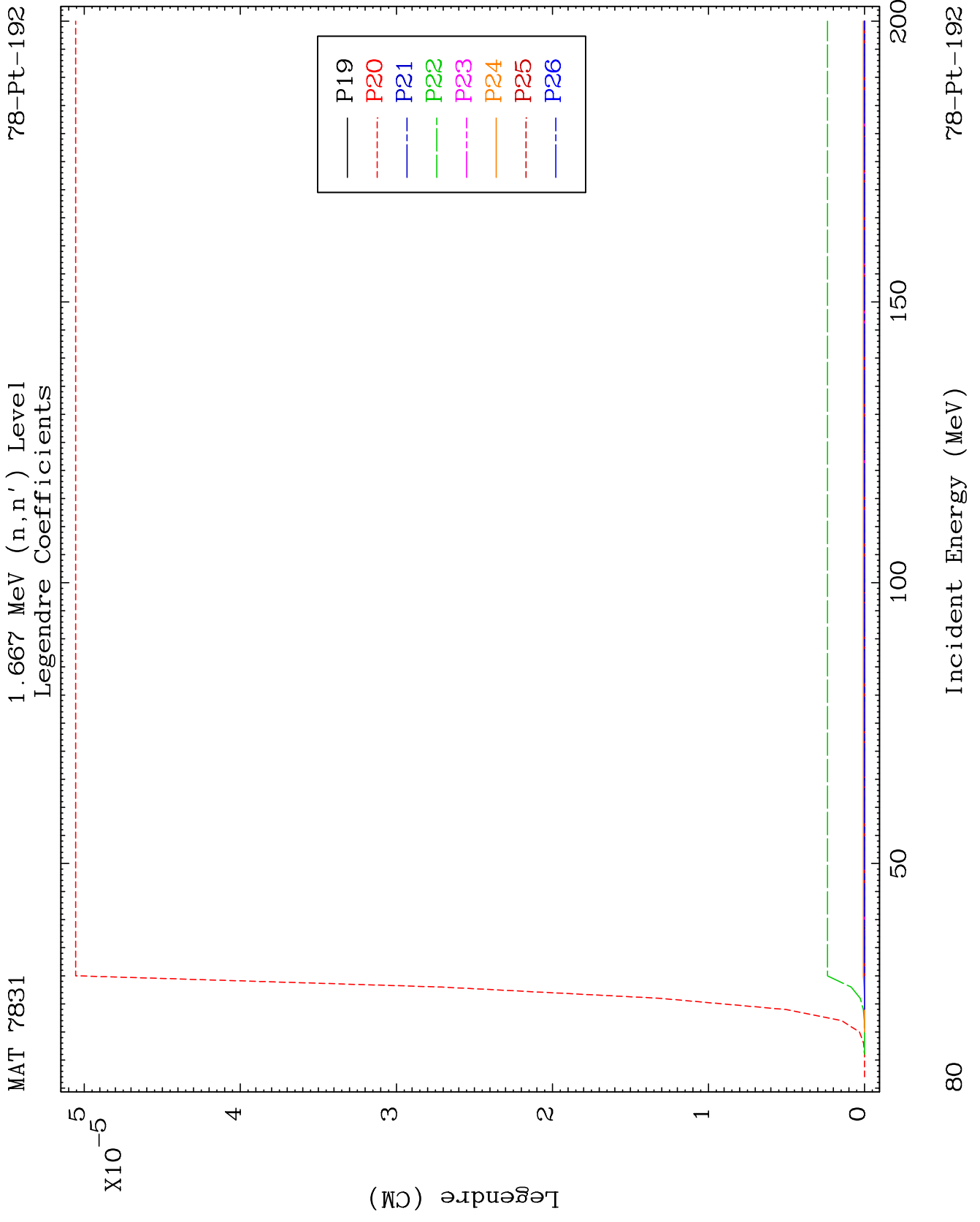
78-Pt-192

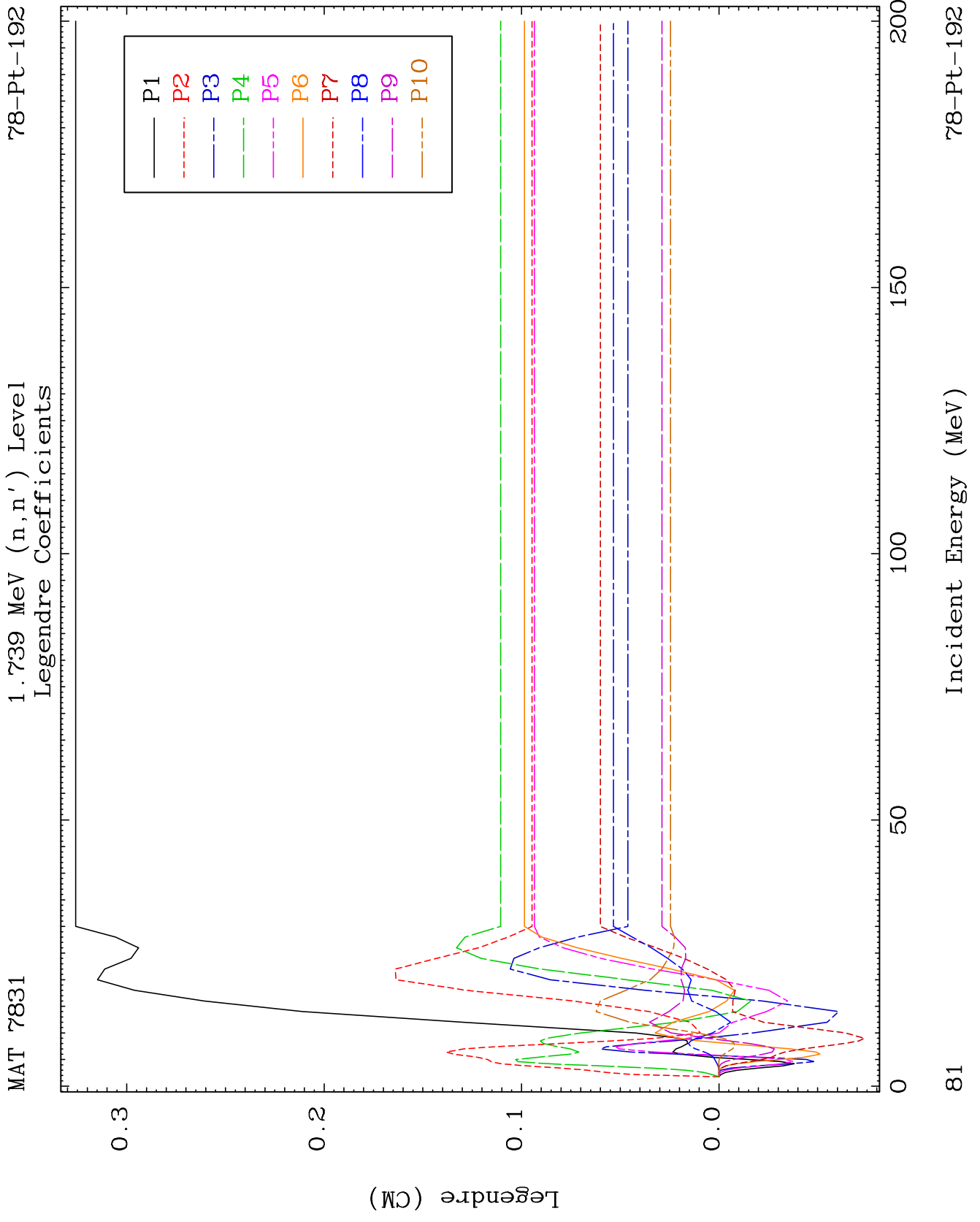


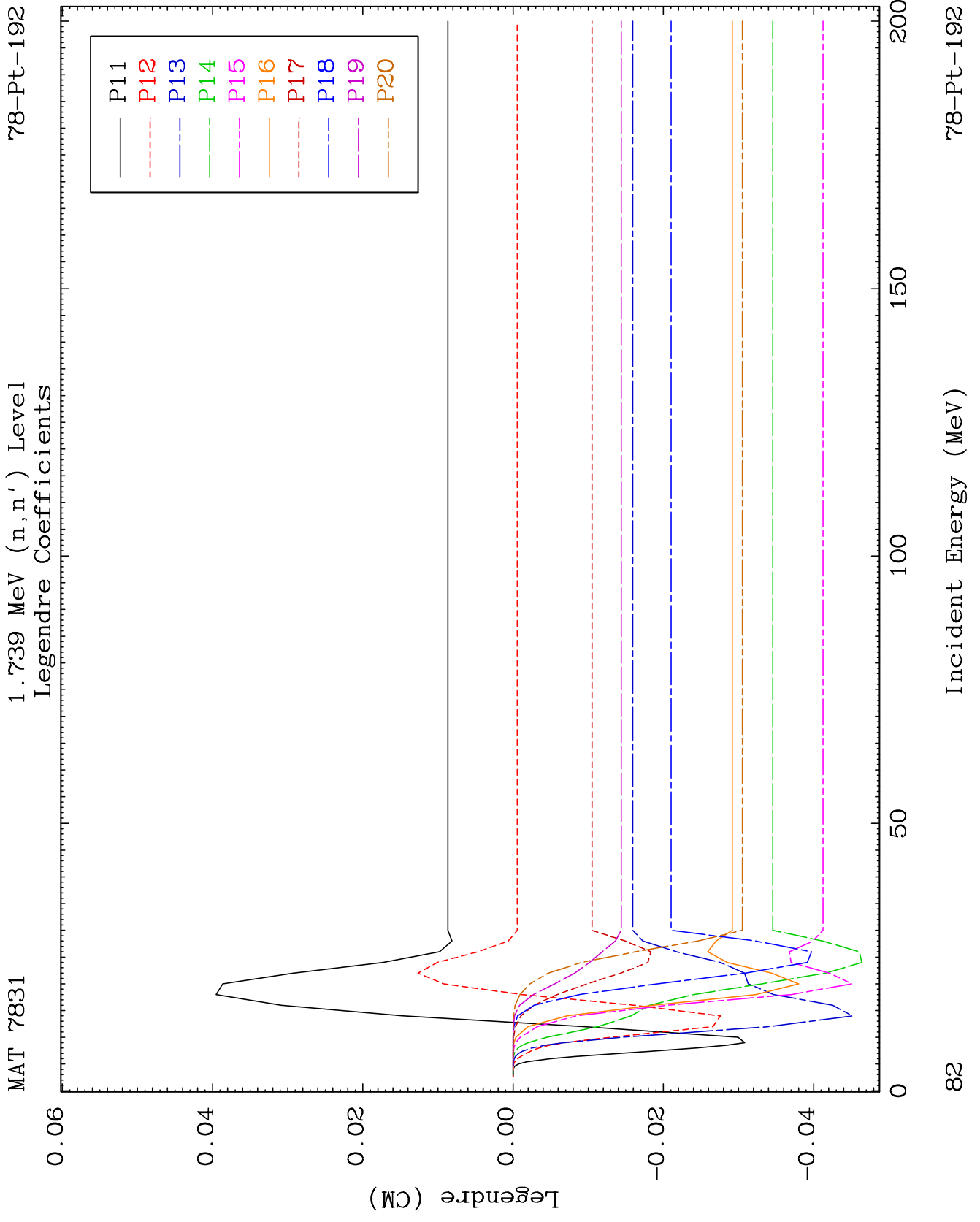


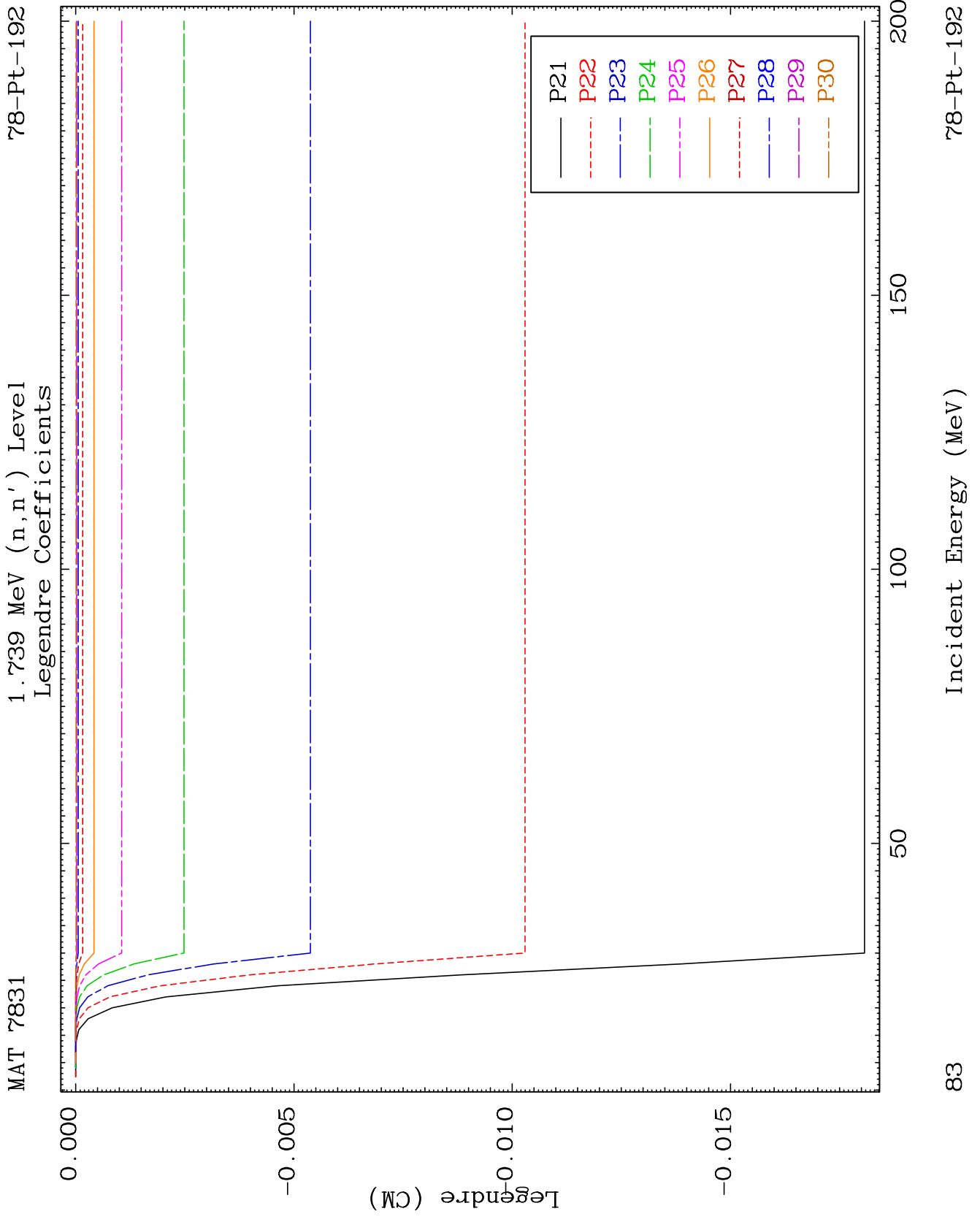


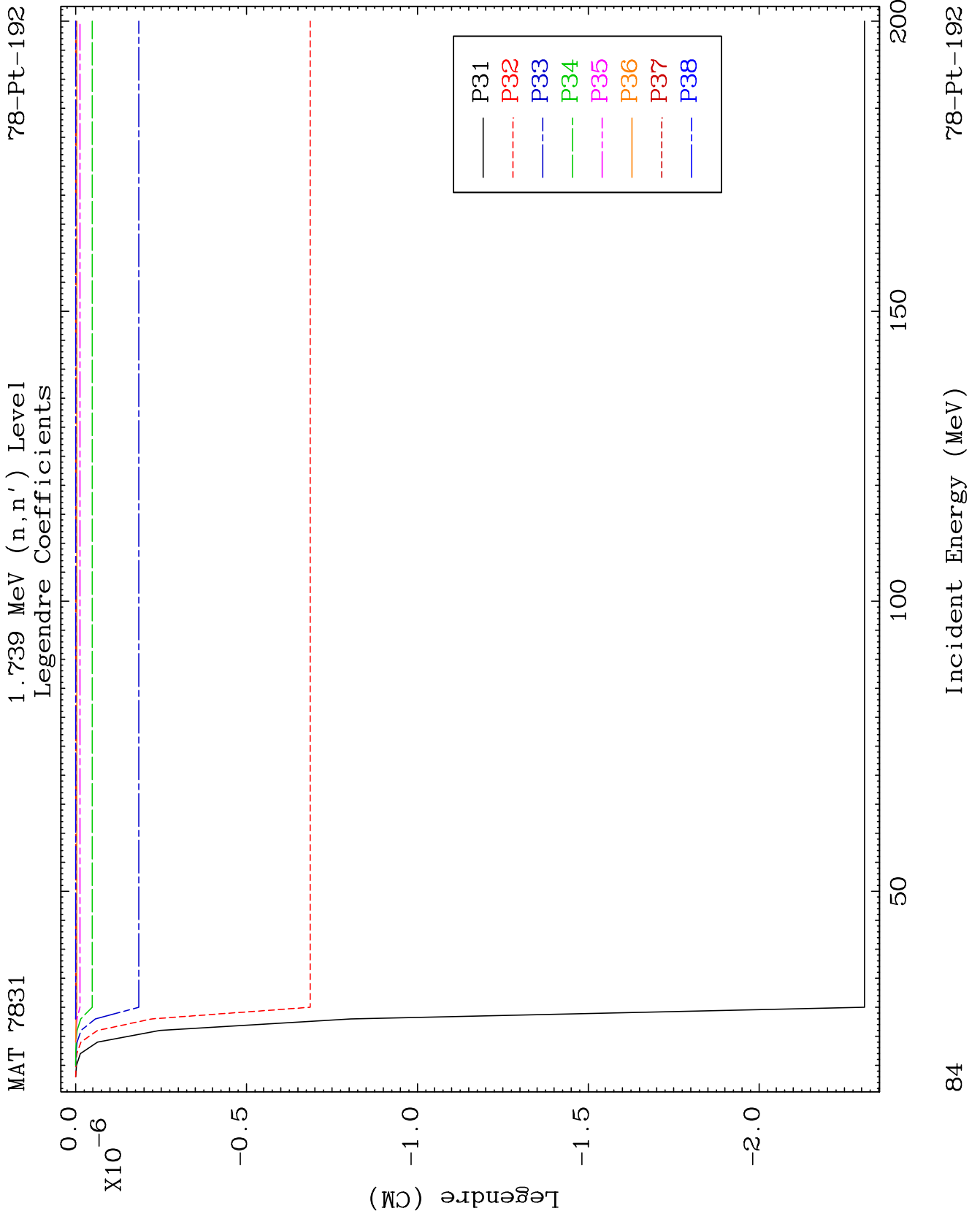


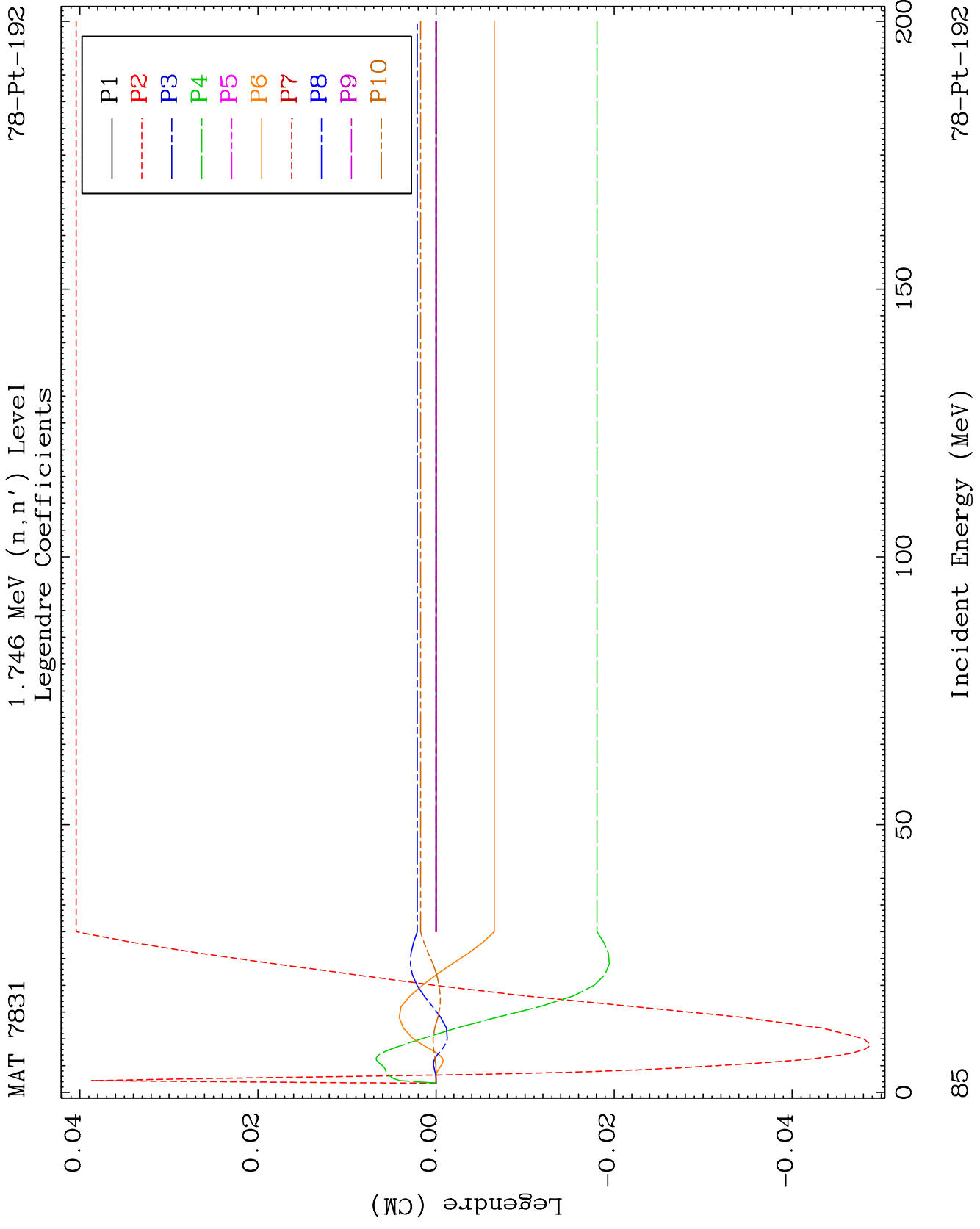


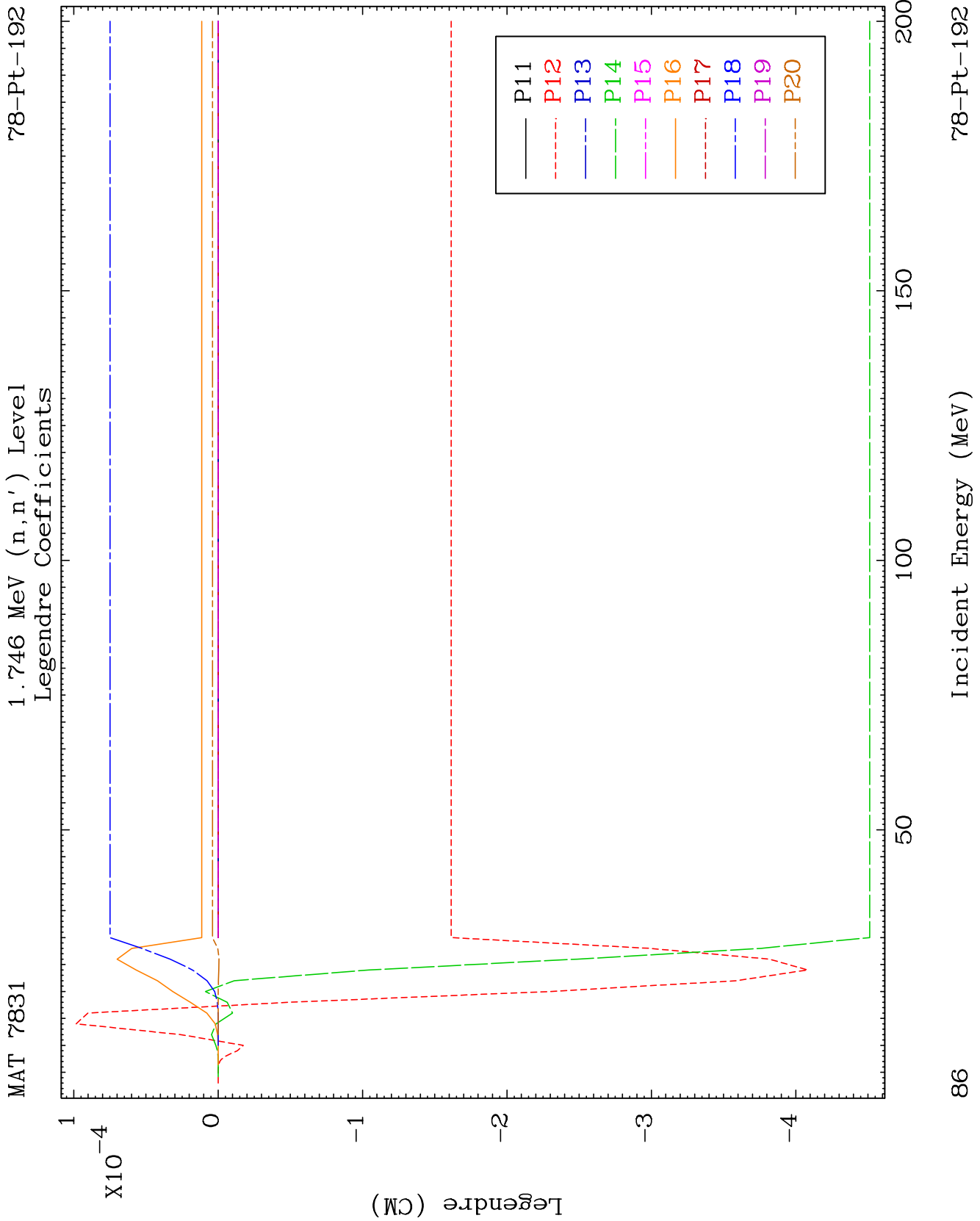


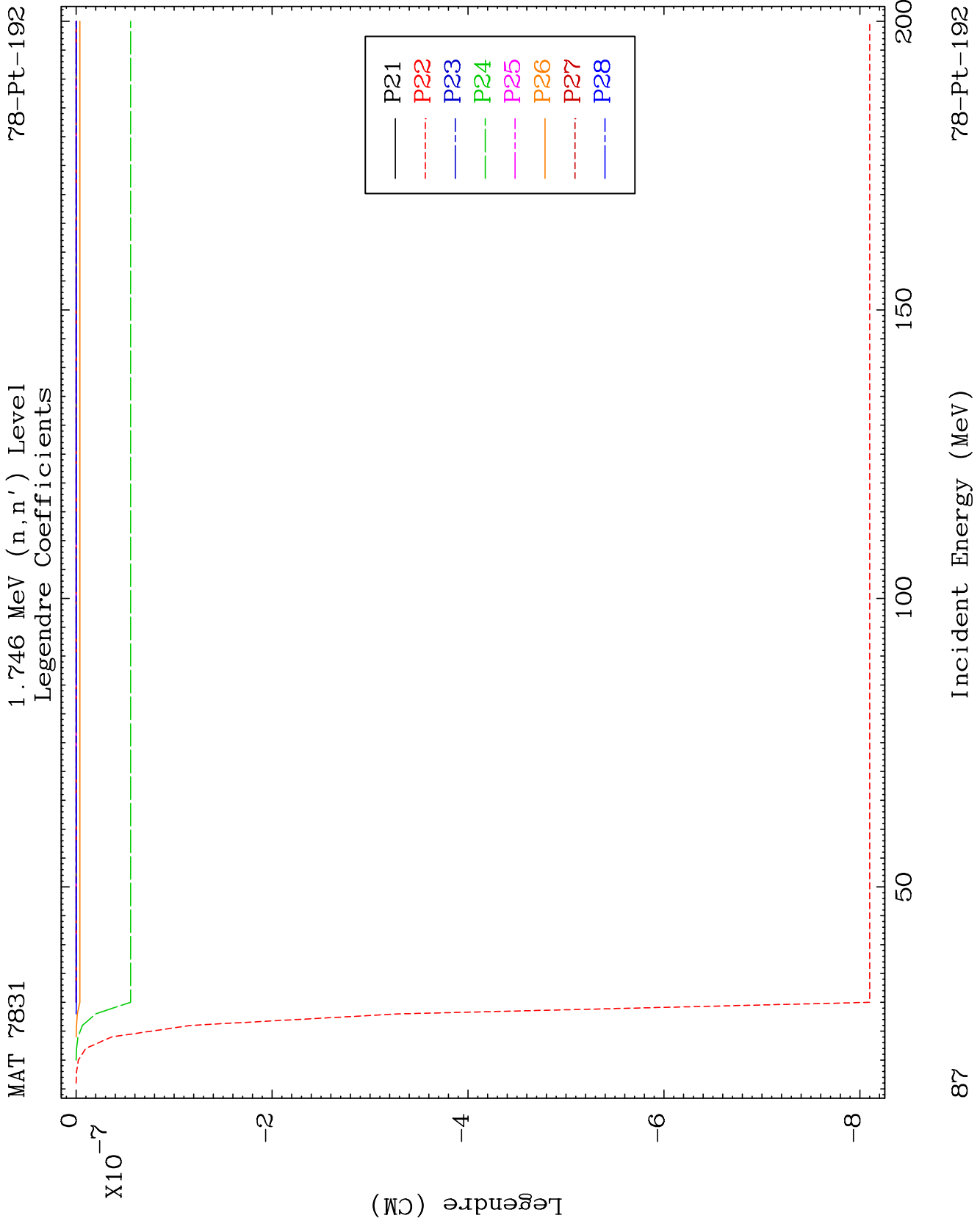










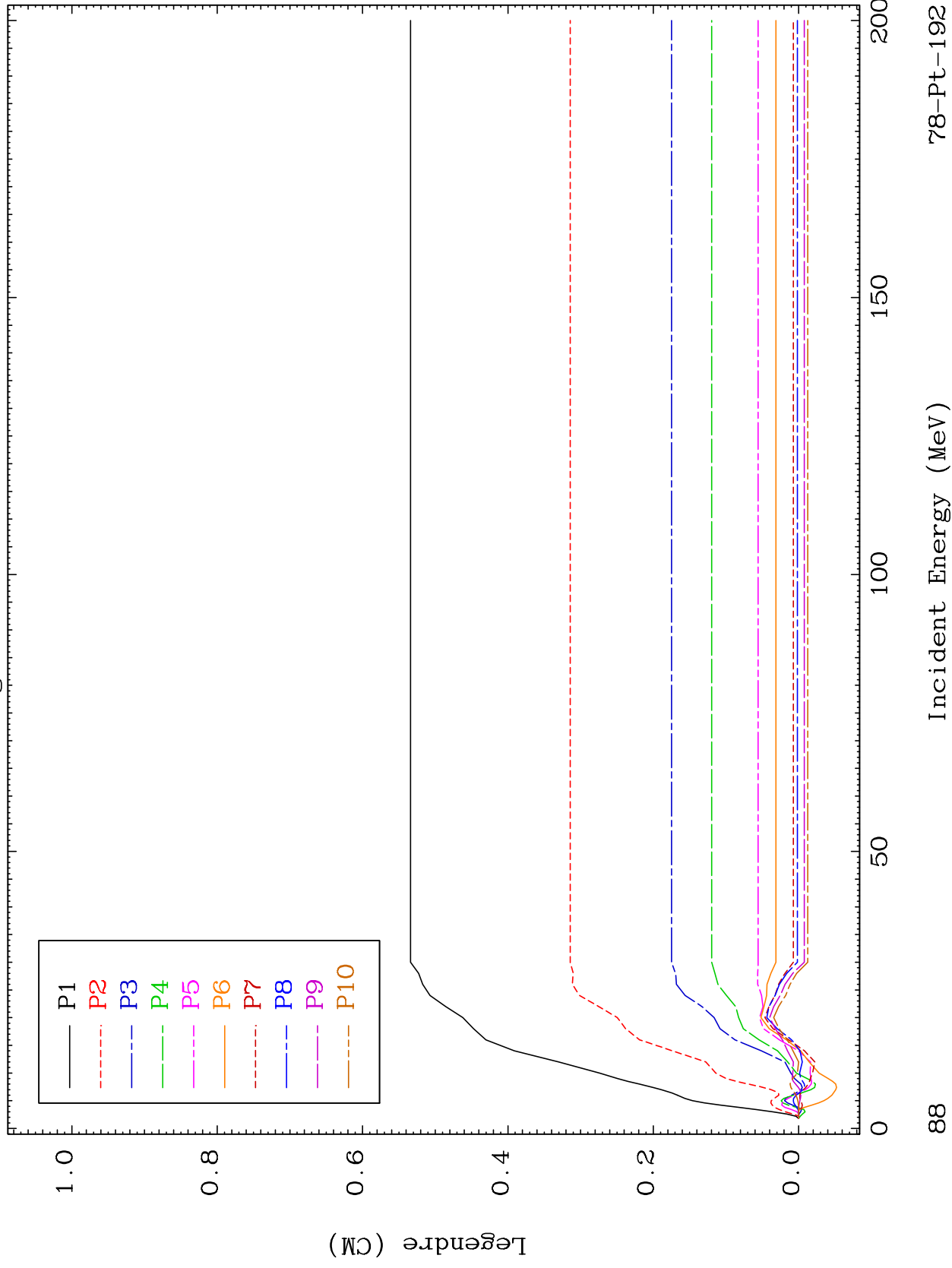




MAT 7831

1.766 MeV (n,n') Level  
Legendre Coefficients

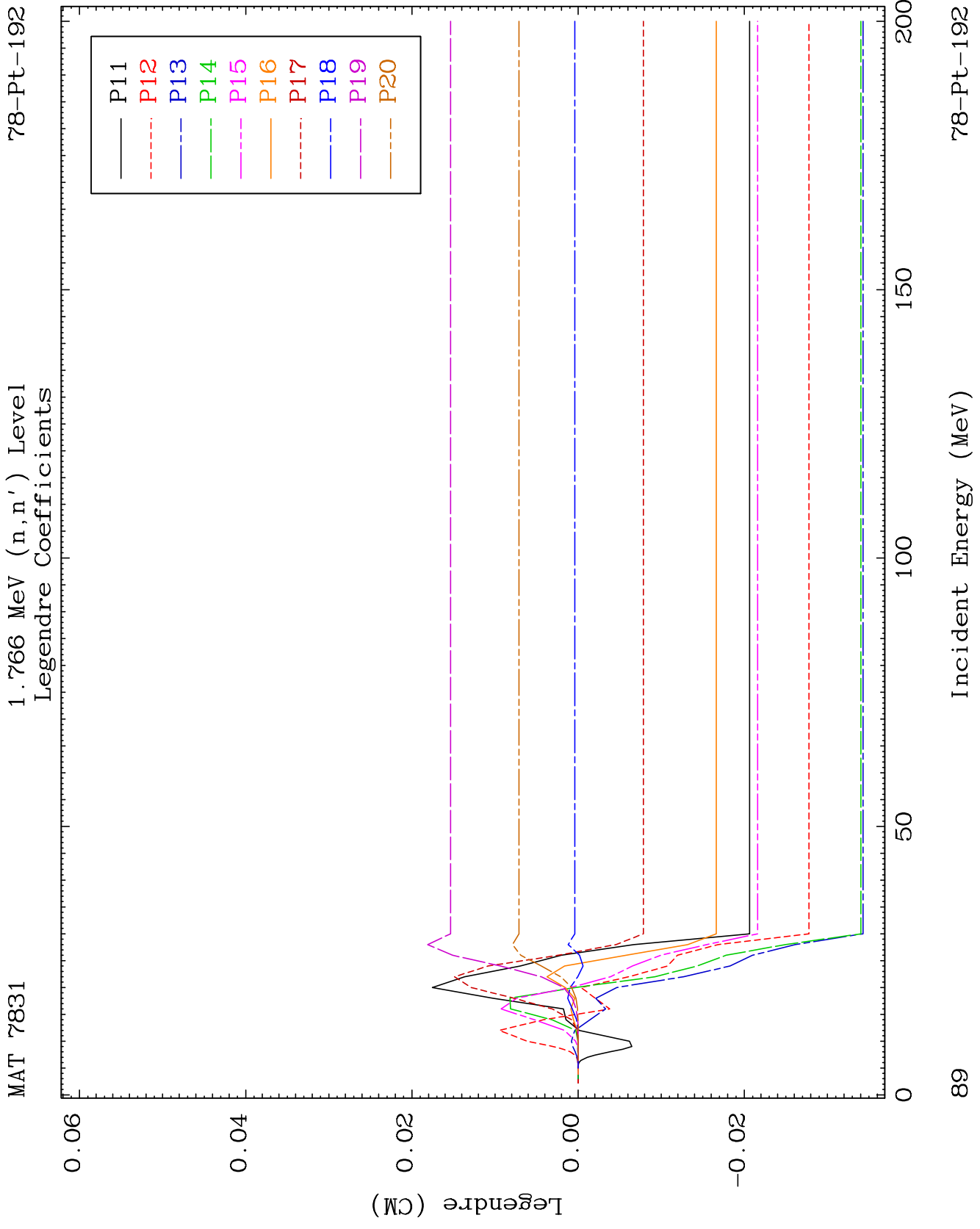
78-Pt-192



88

Incident Energy (MeV)

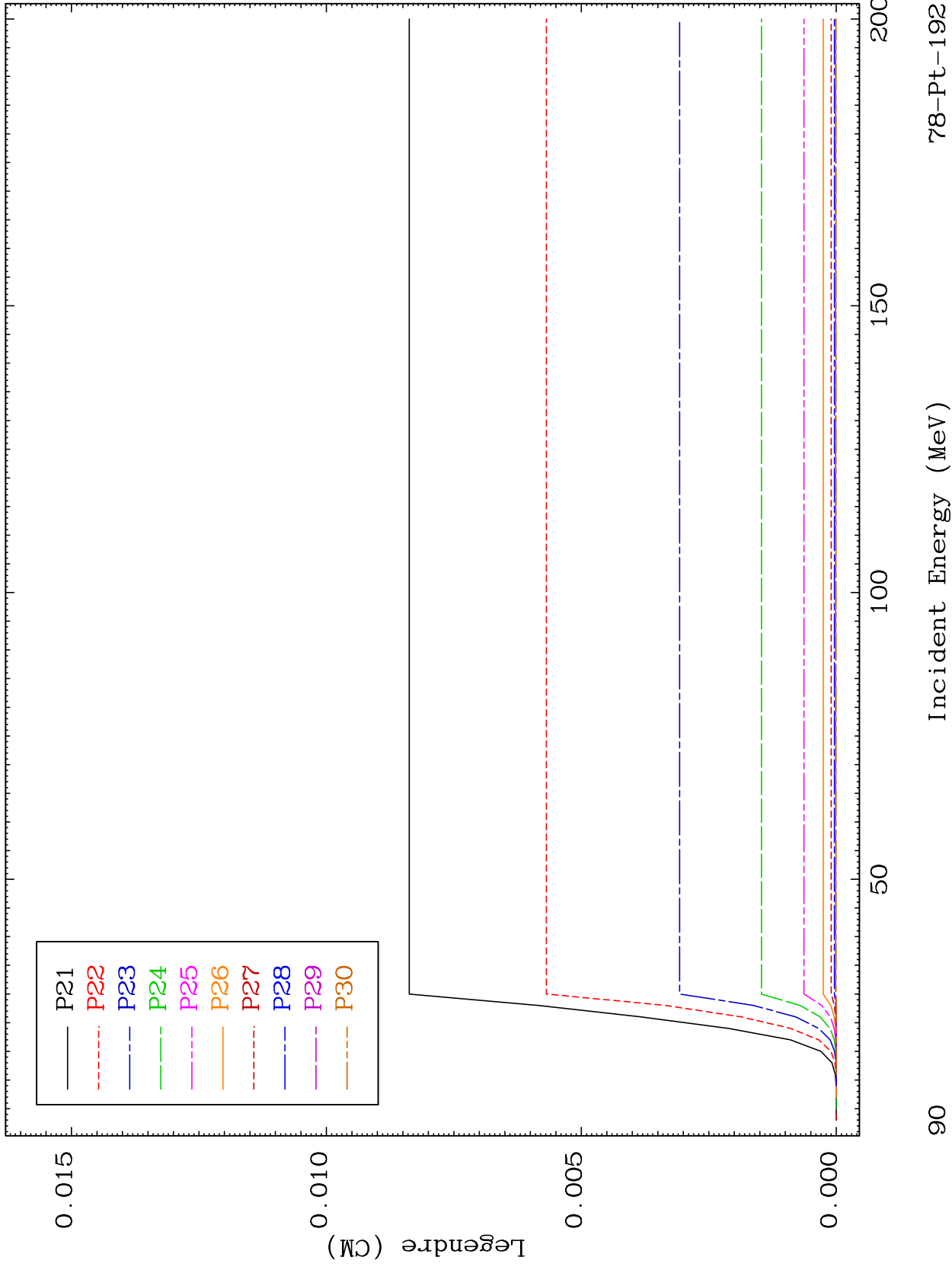
78-Pt-192



MAT 7831

1.766 MeV (n,n') Level  
Legendre Coefficients

78-Pt-192



90

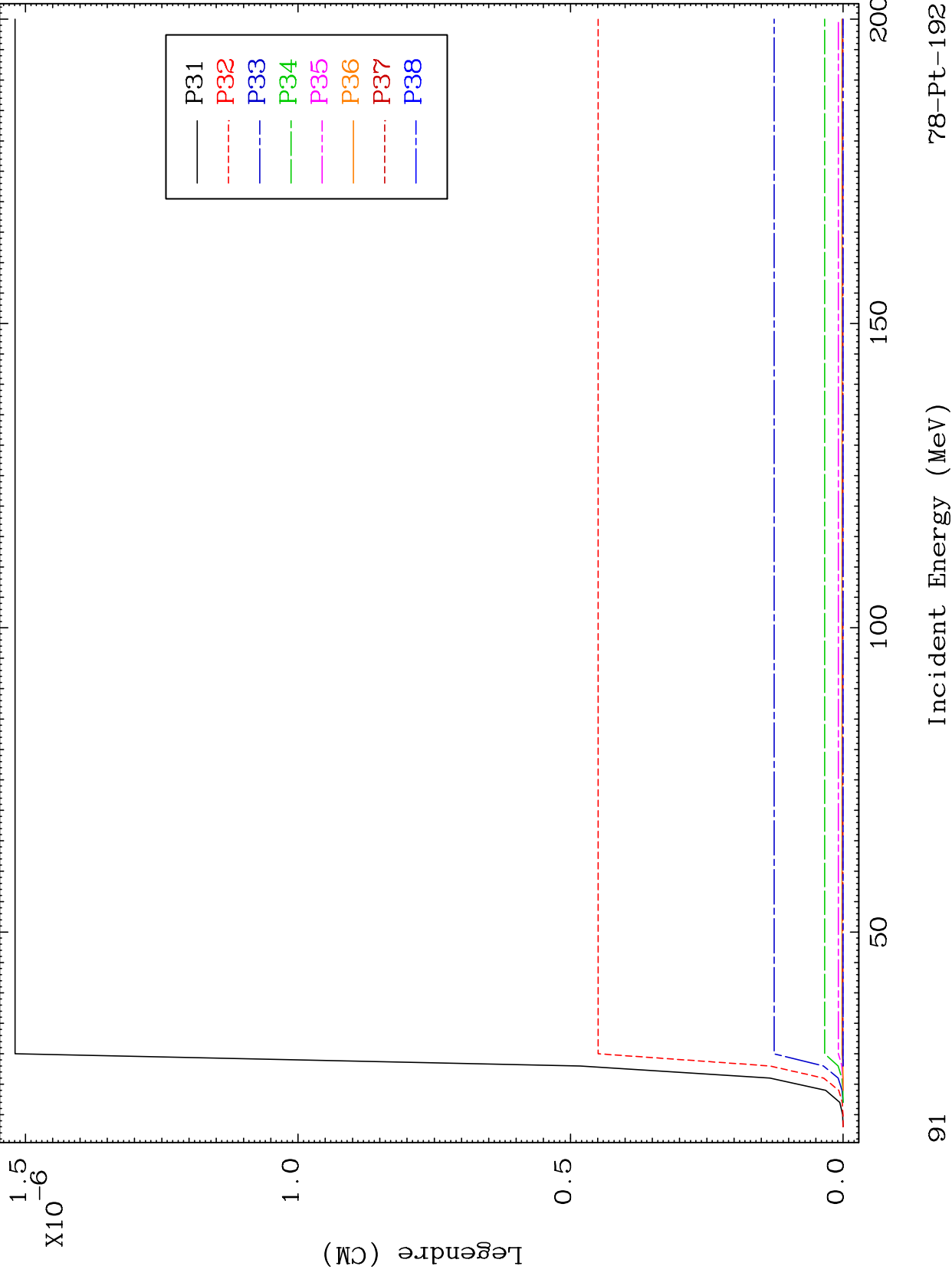
Incident Energy (MeV)

78-Pt-192

MAT 7831

1.766 MeV (n,n') Level  
Legendre Coefficients

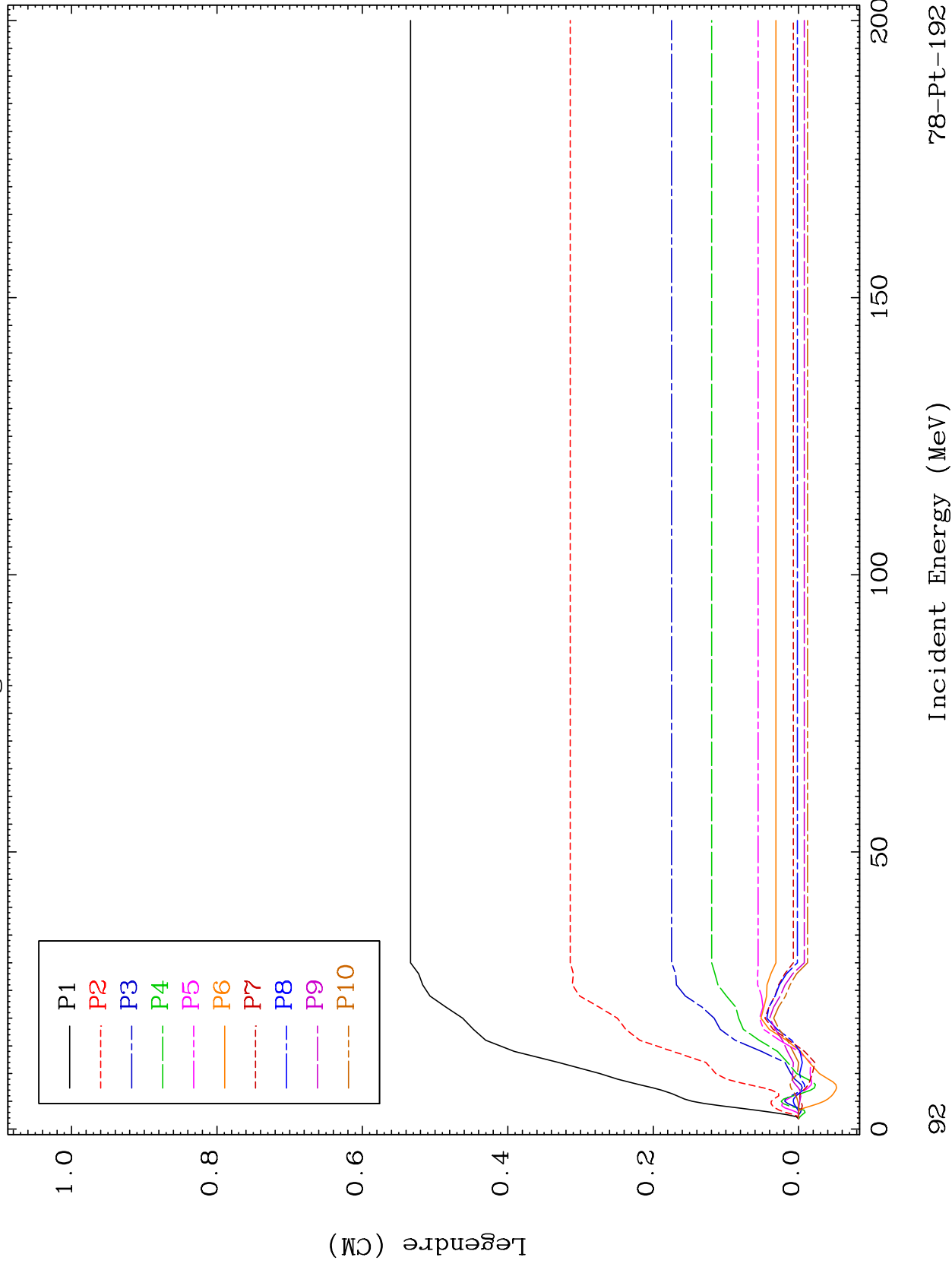
78-Pt-192



MAT 7831

1.793 MeV (n,n') Level  
Legendre Coefficients

78-Pt-192



92

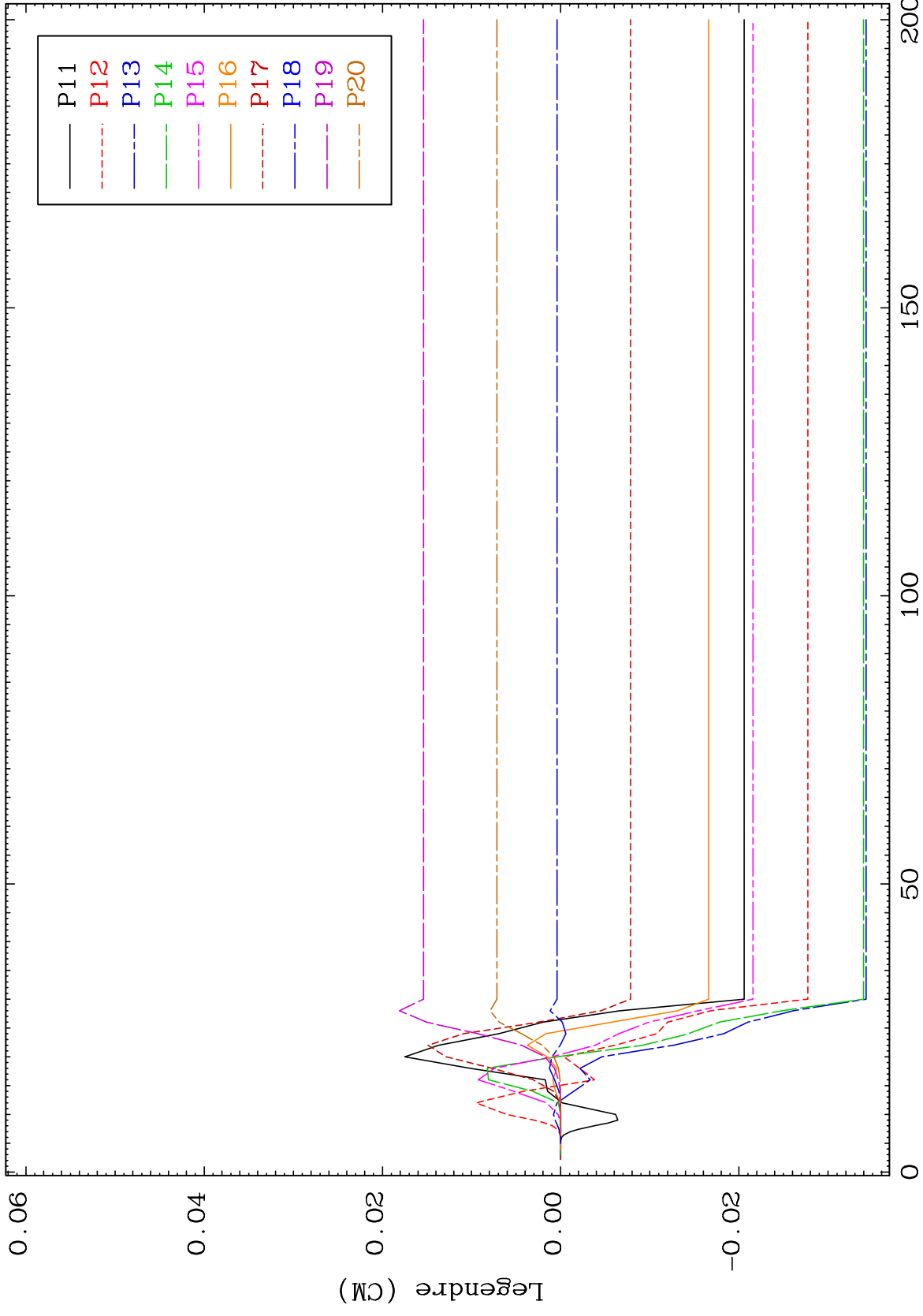
Incident Energy (MeV)

78-Pt-192

MAT 7831

1.793 MeV (n,n') Level  
Legendre Coefficients

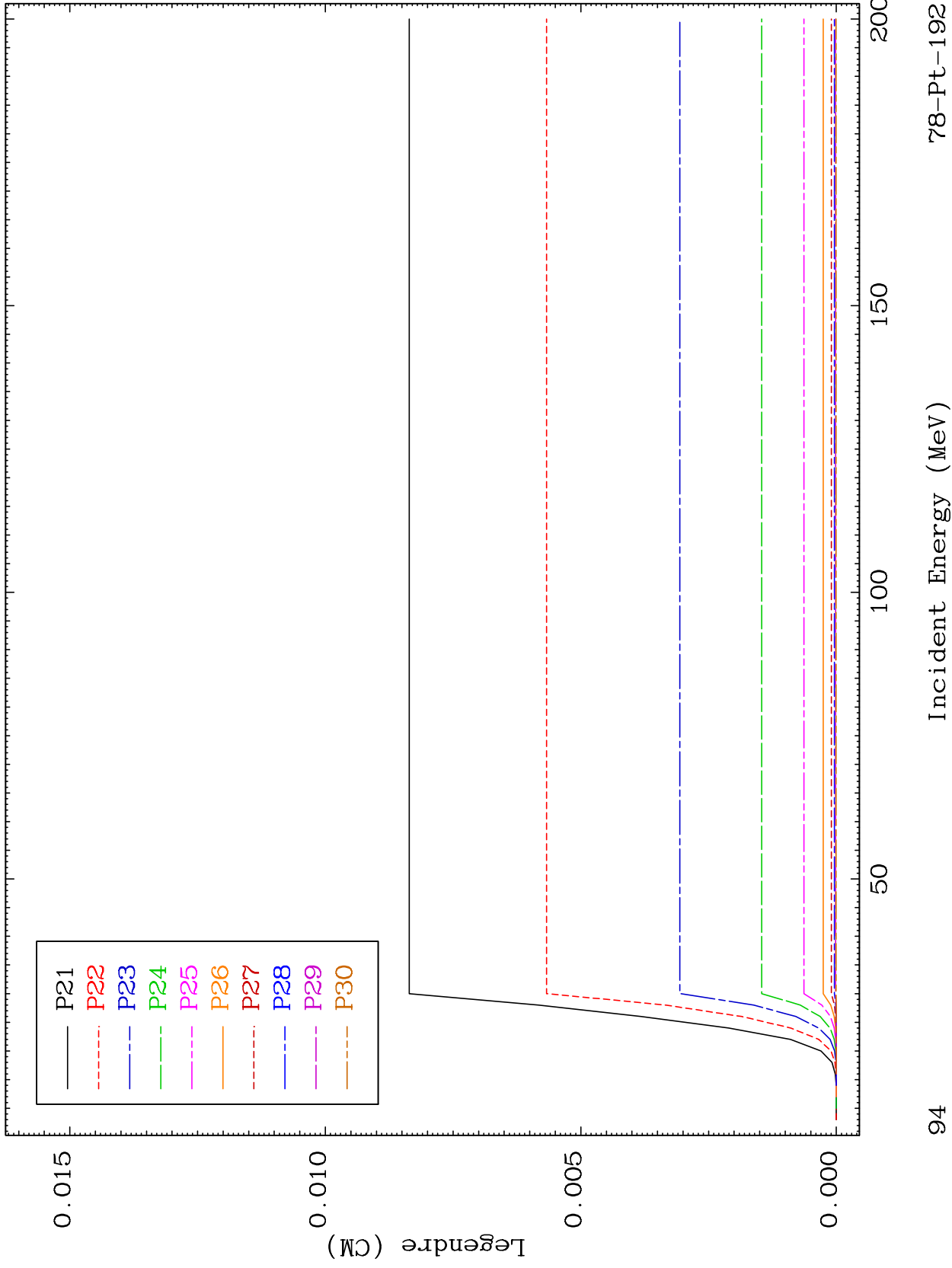
78-Pt-192

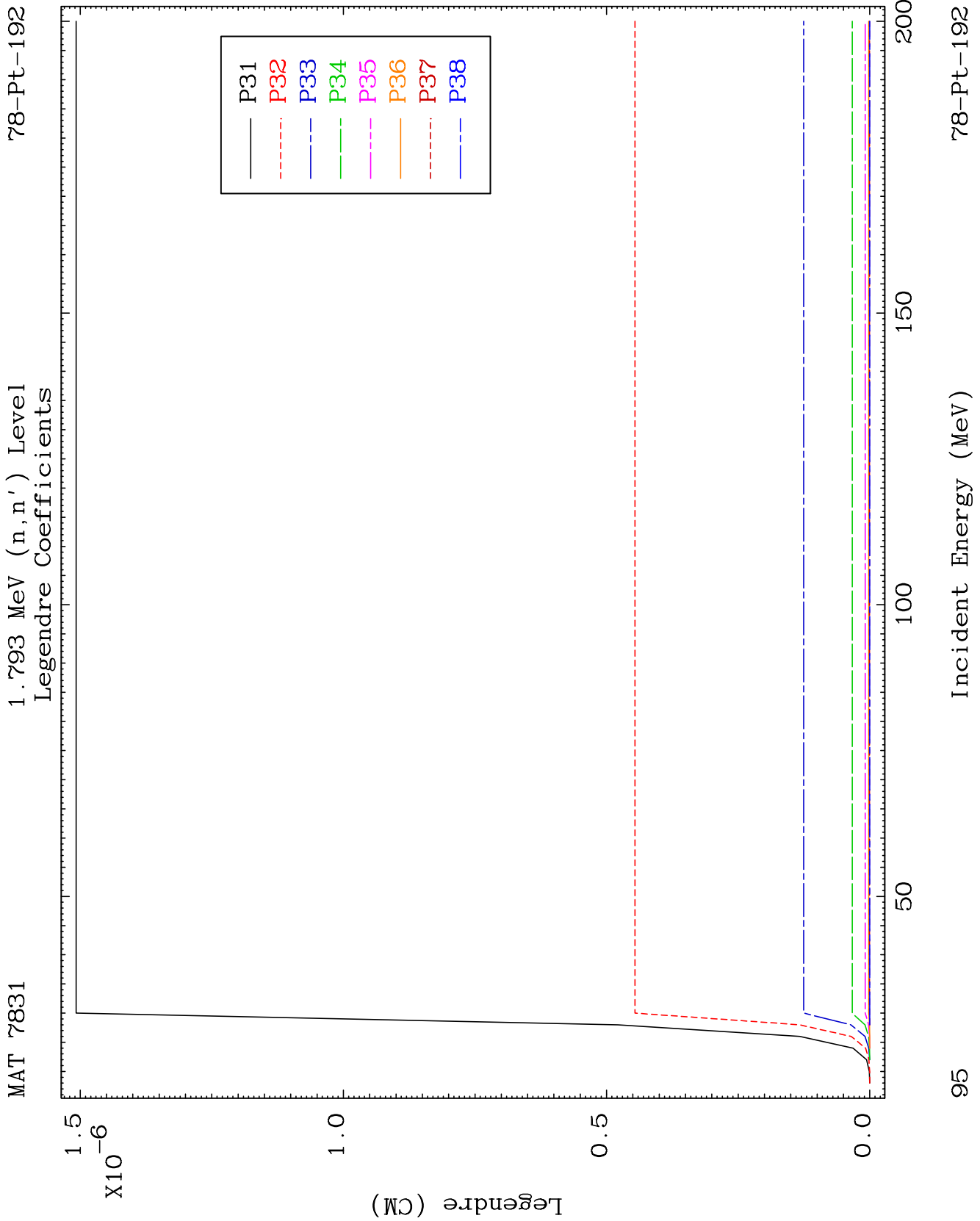


93

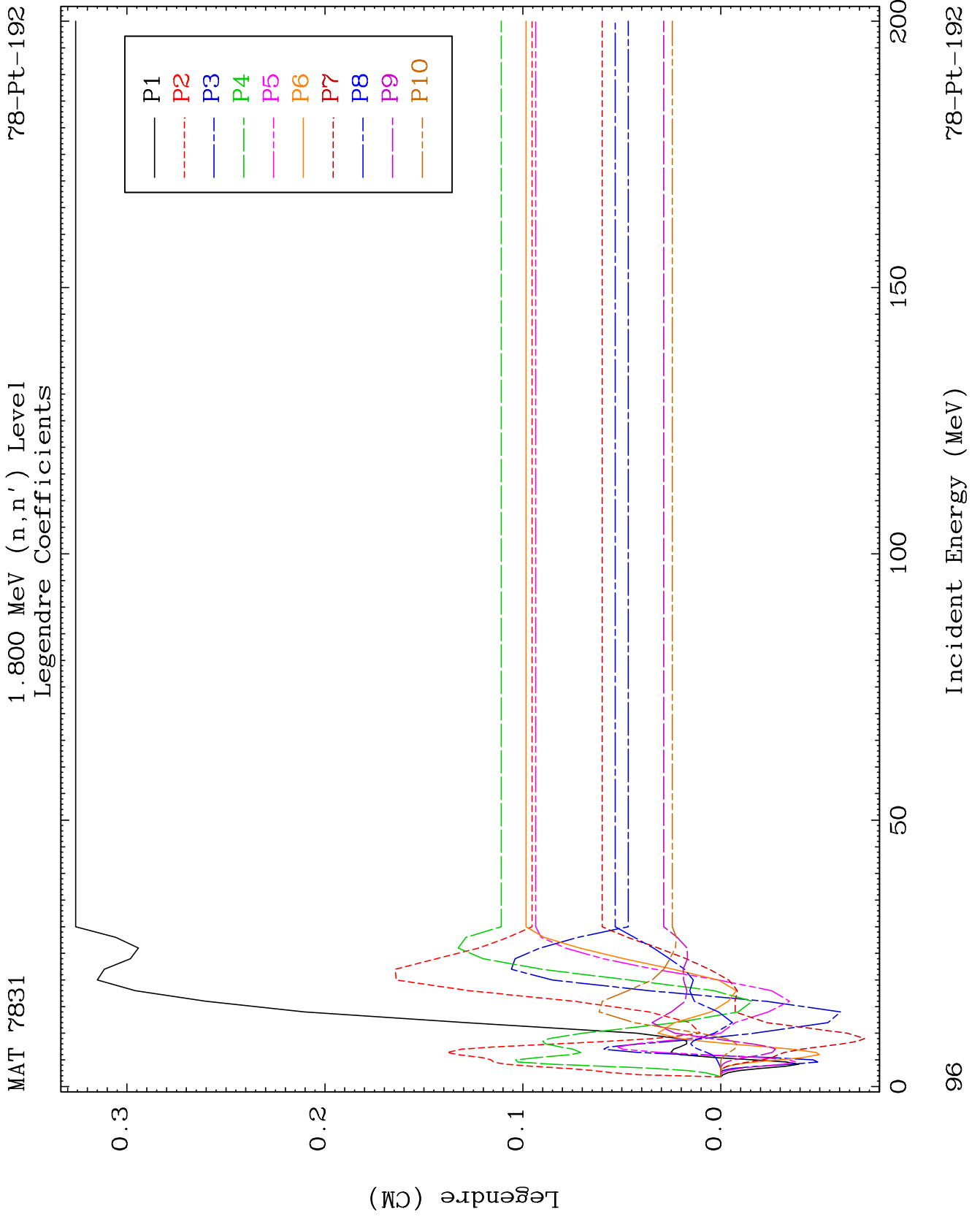
Incident Energy (MeV)

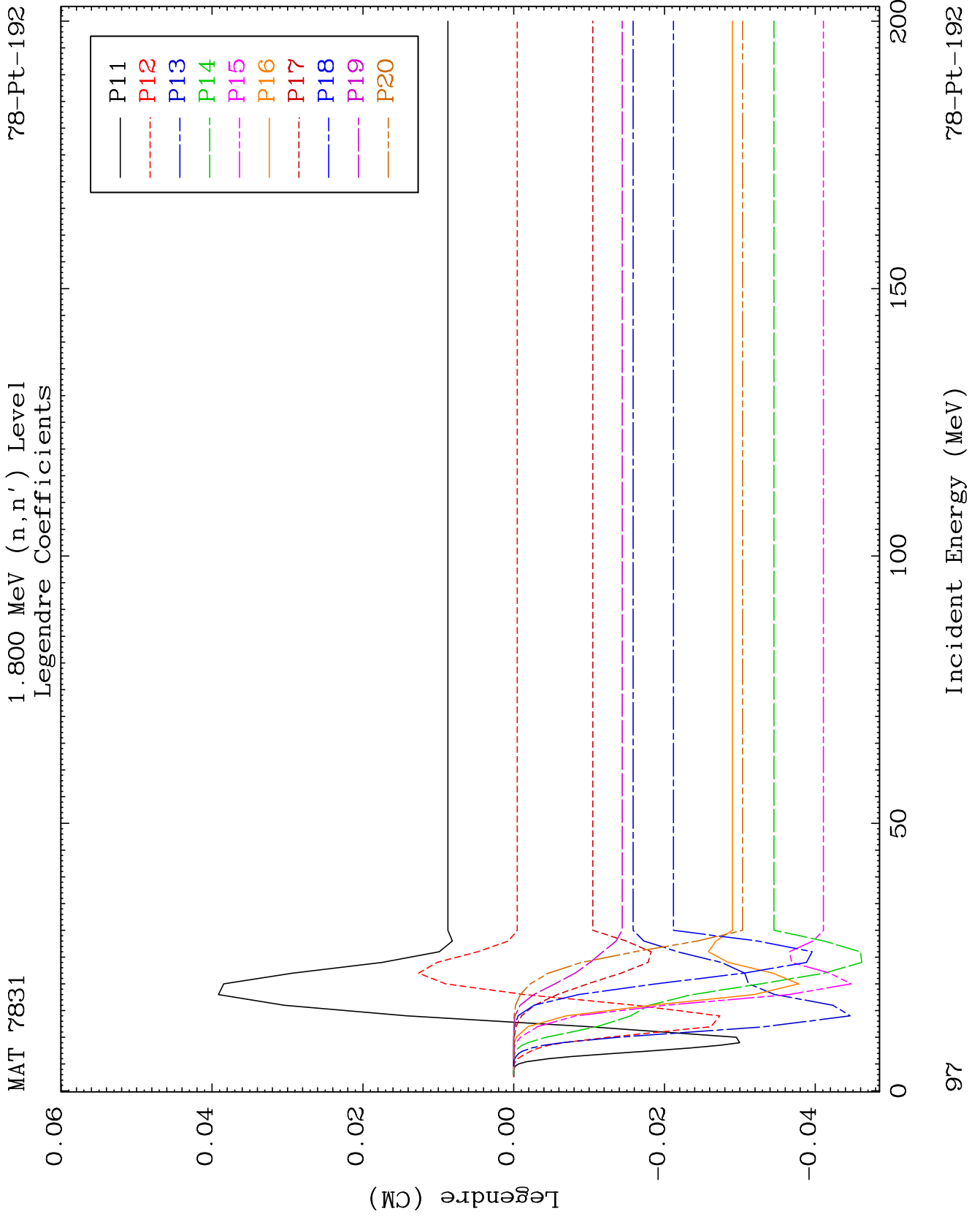
78-Pt-192

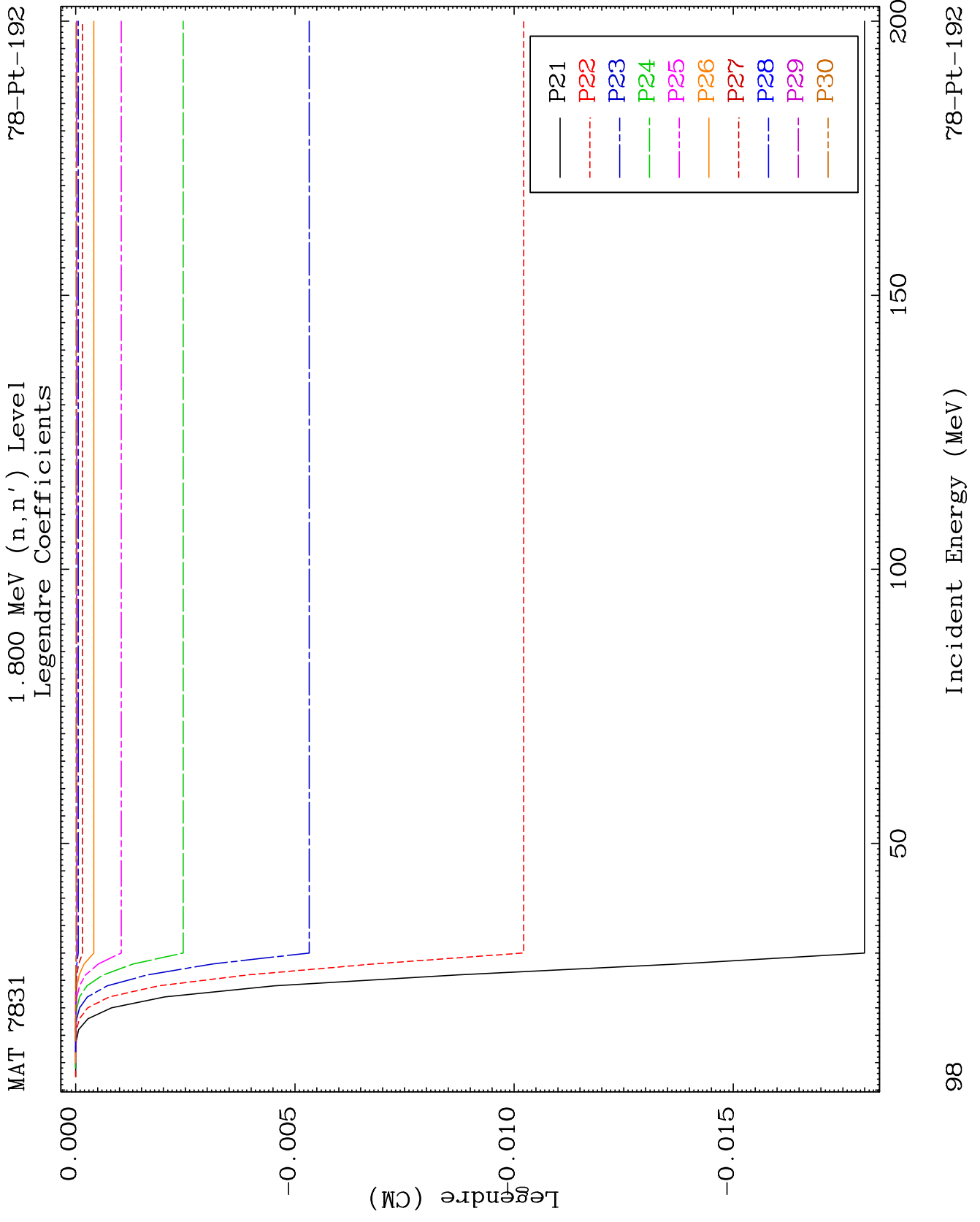


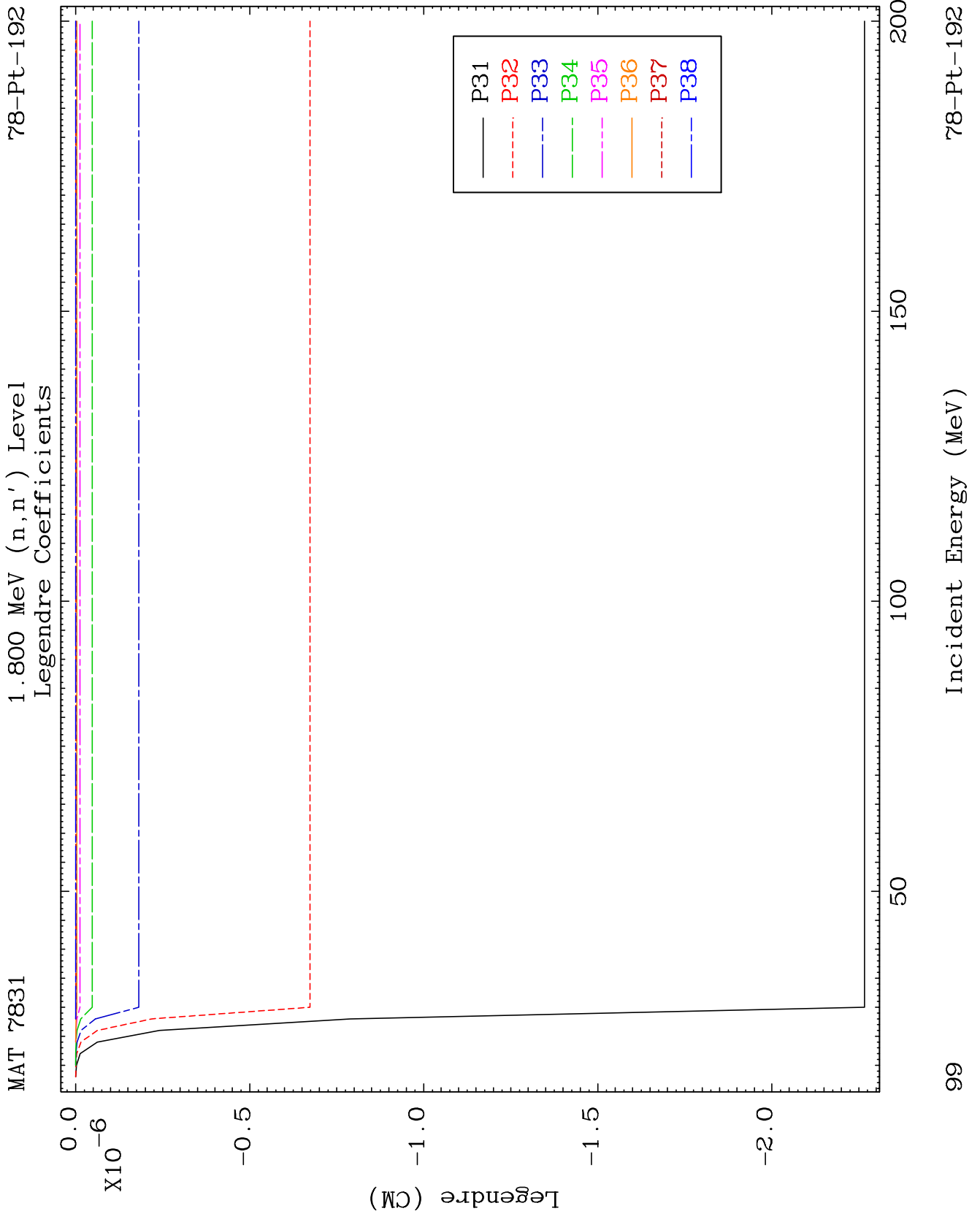




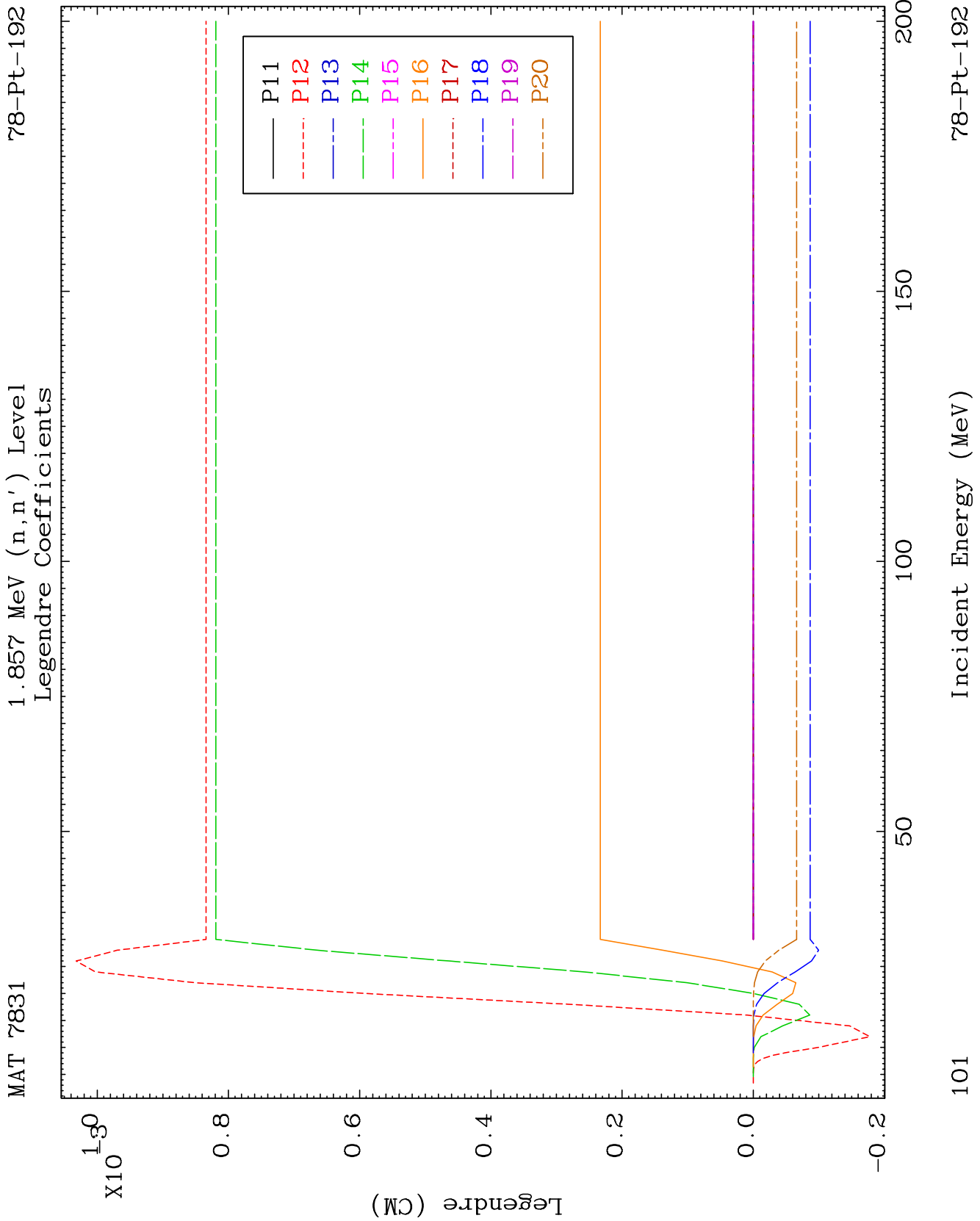


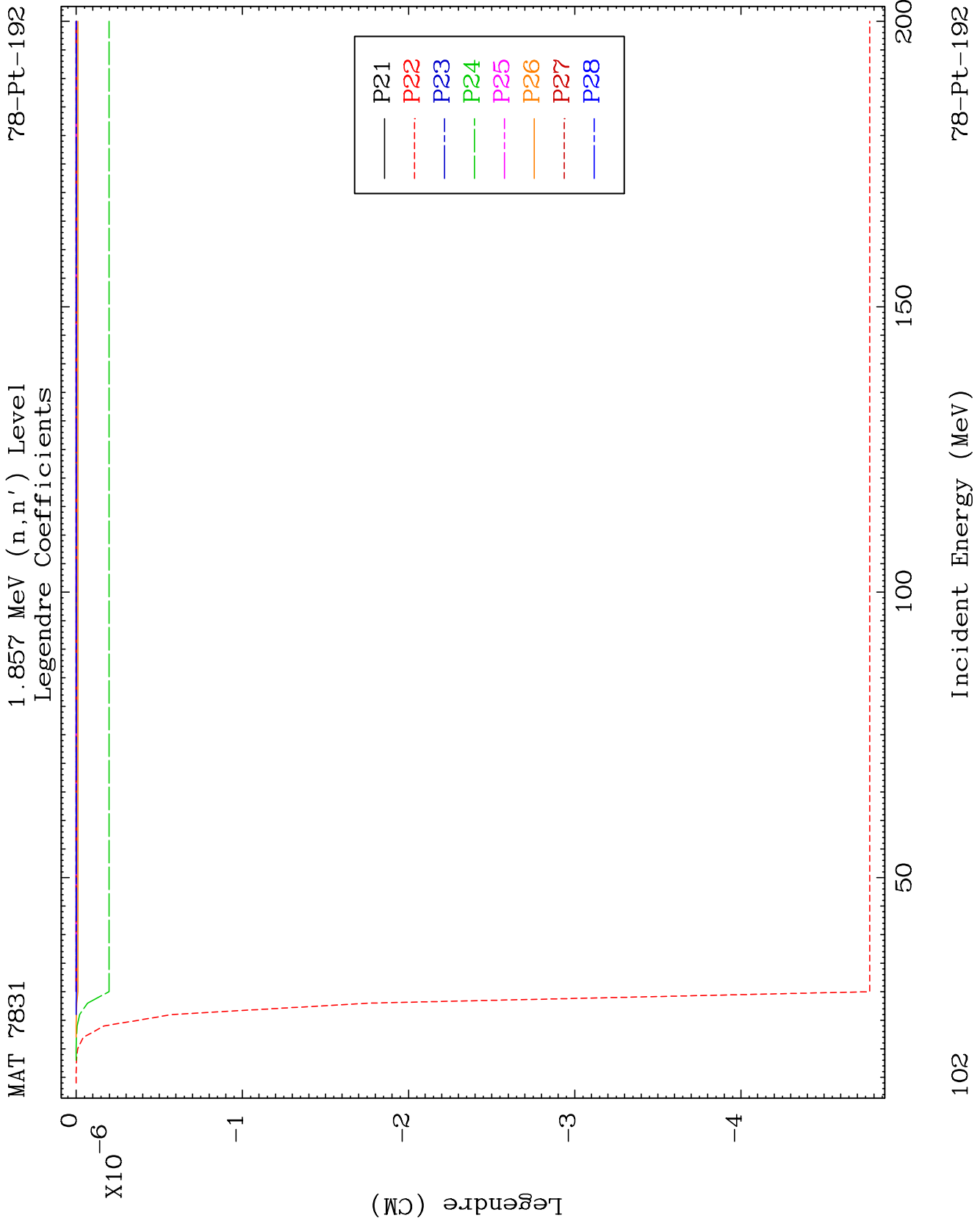


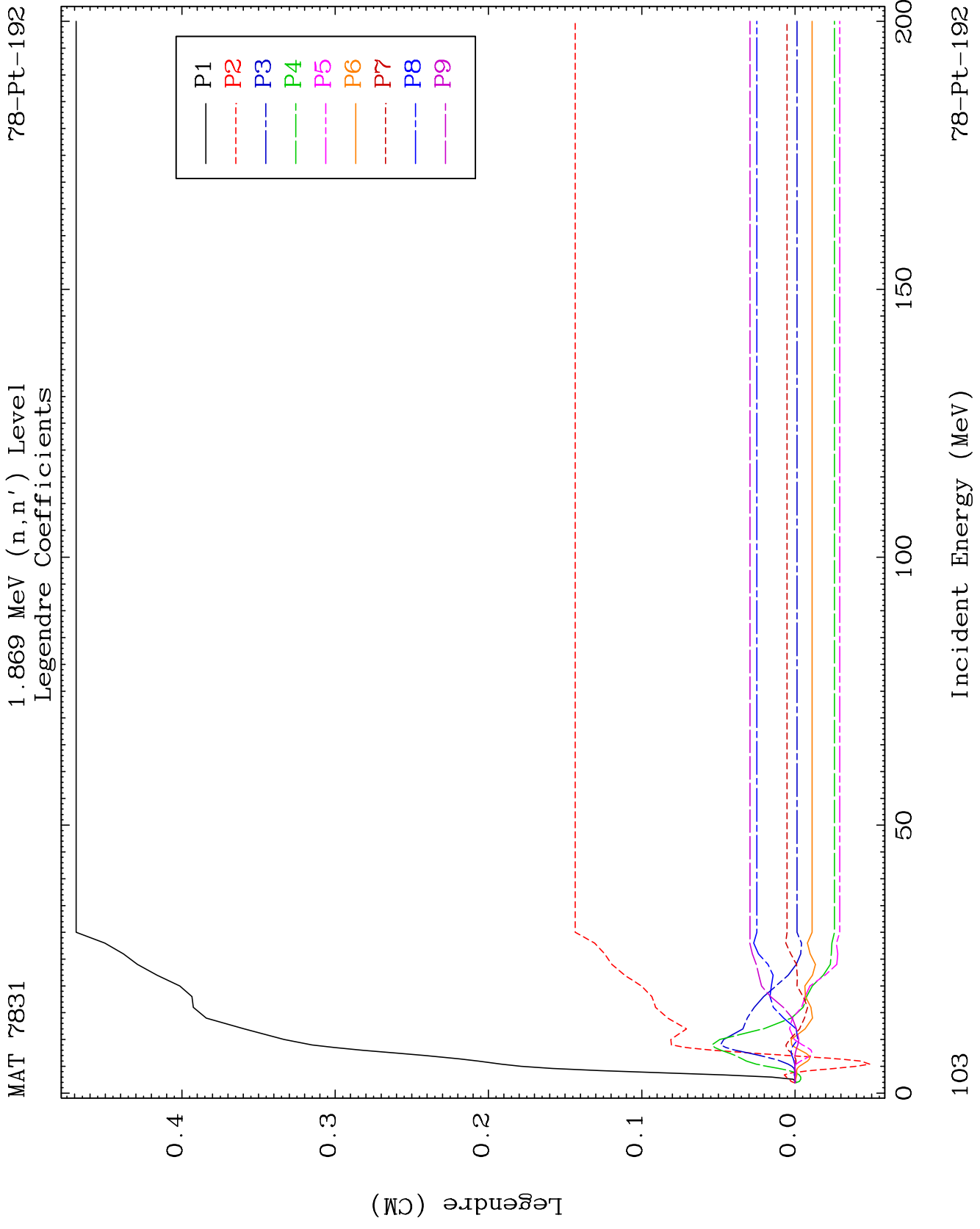










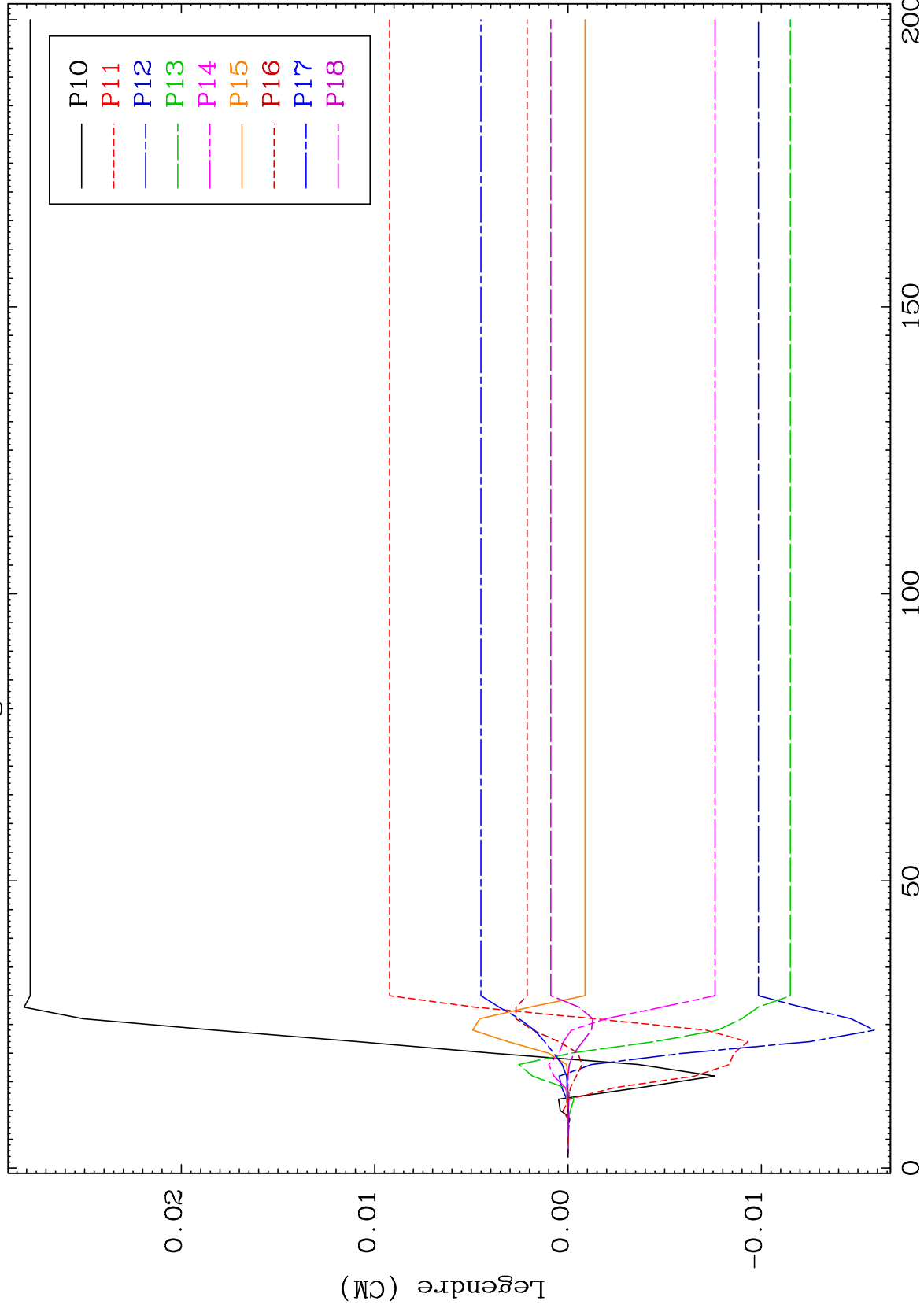




MAT 7831

1.869 MeV (n,n') Level  
Legendre Coefficients

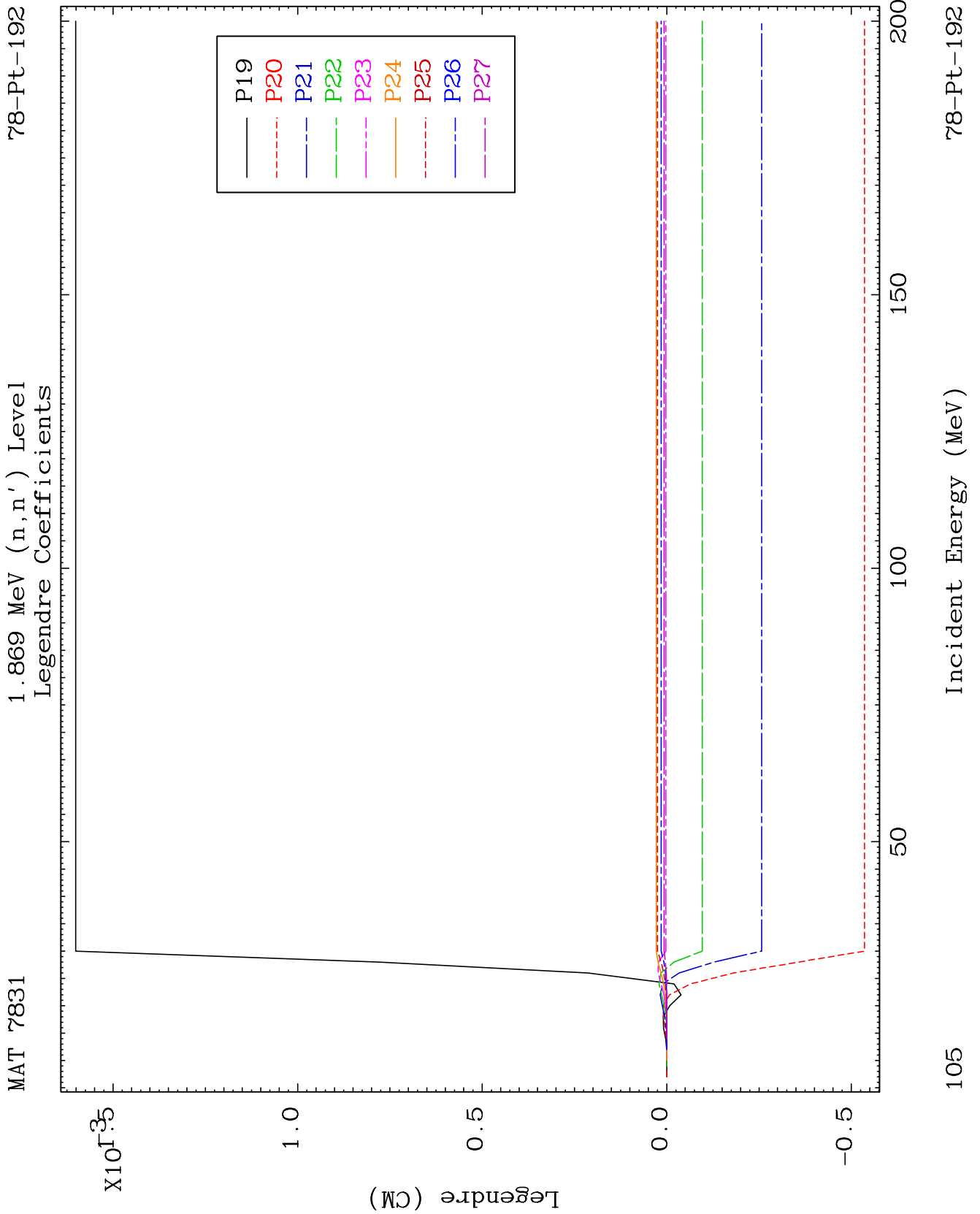
78-Pt-192

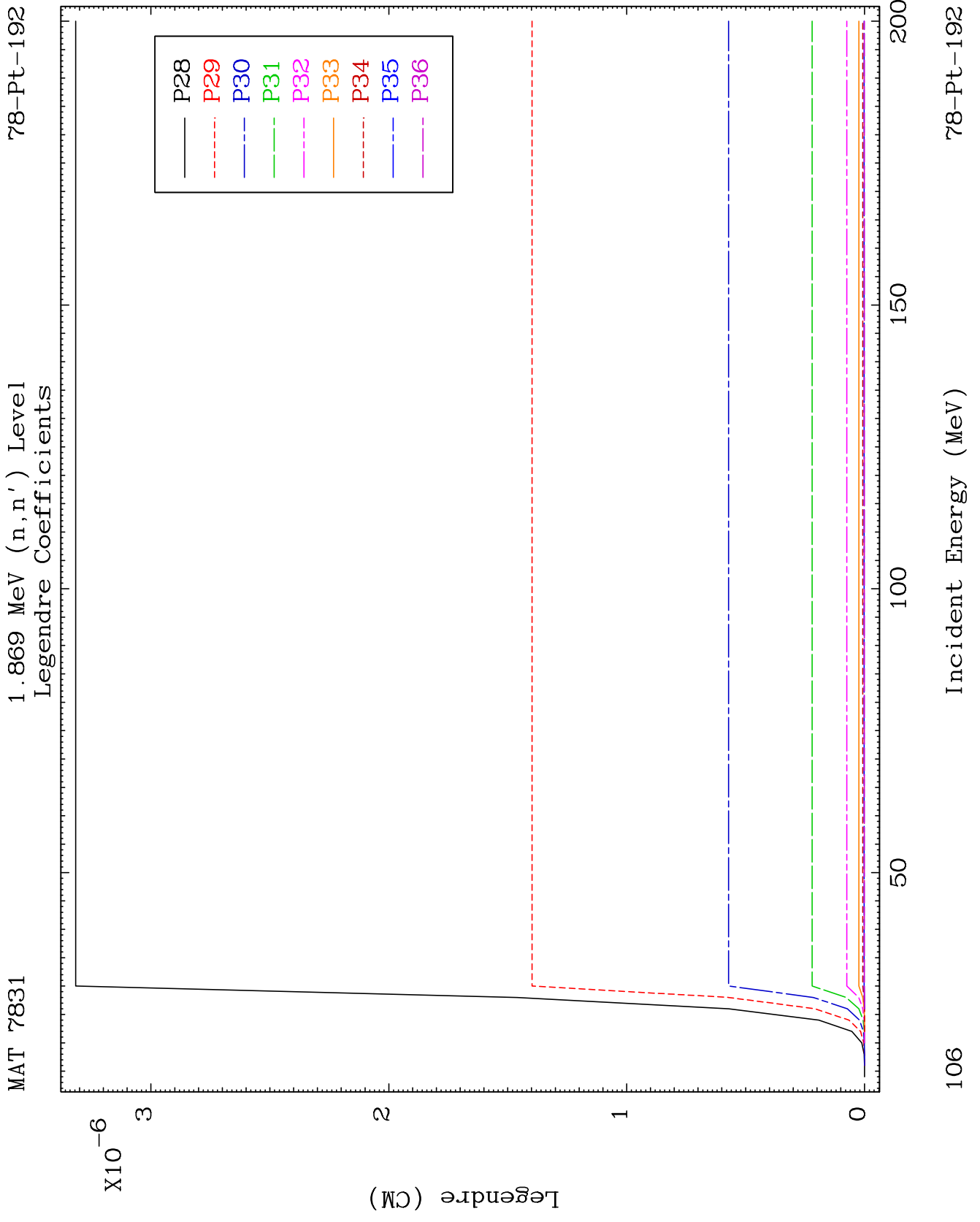


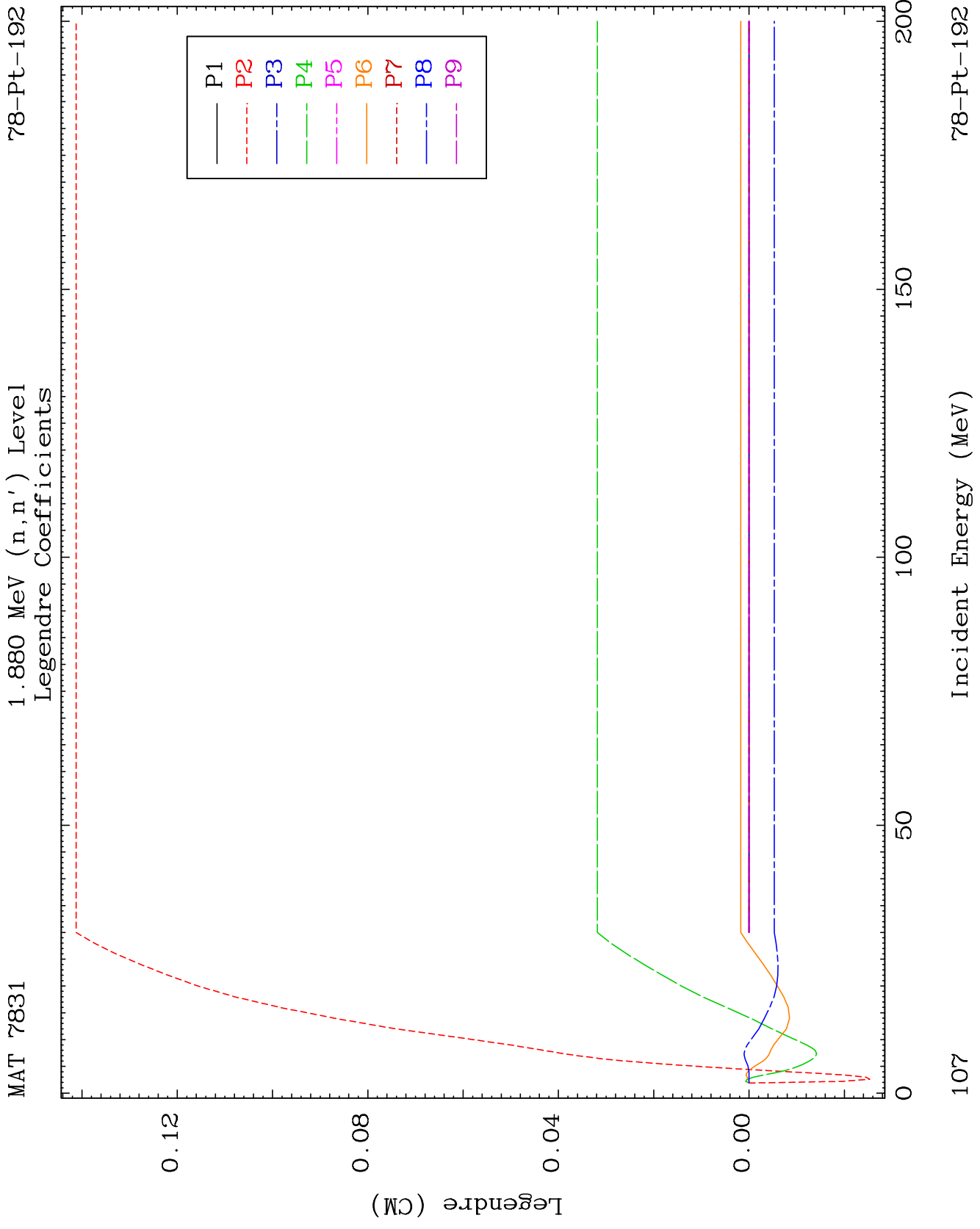
104

Incident Energy (MeV)

78-Pt-192



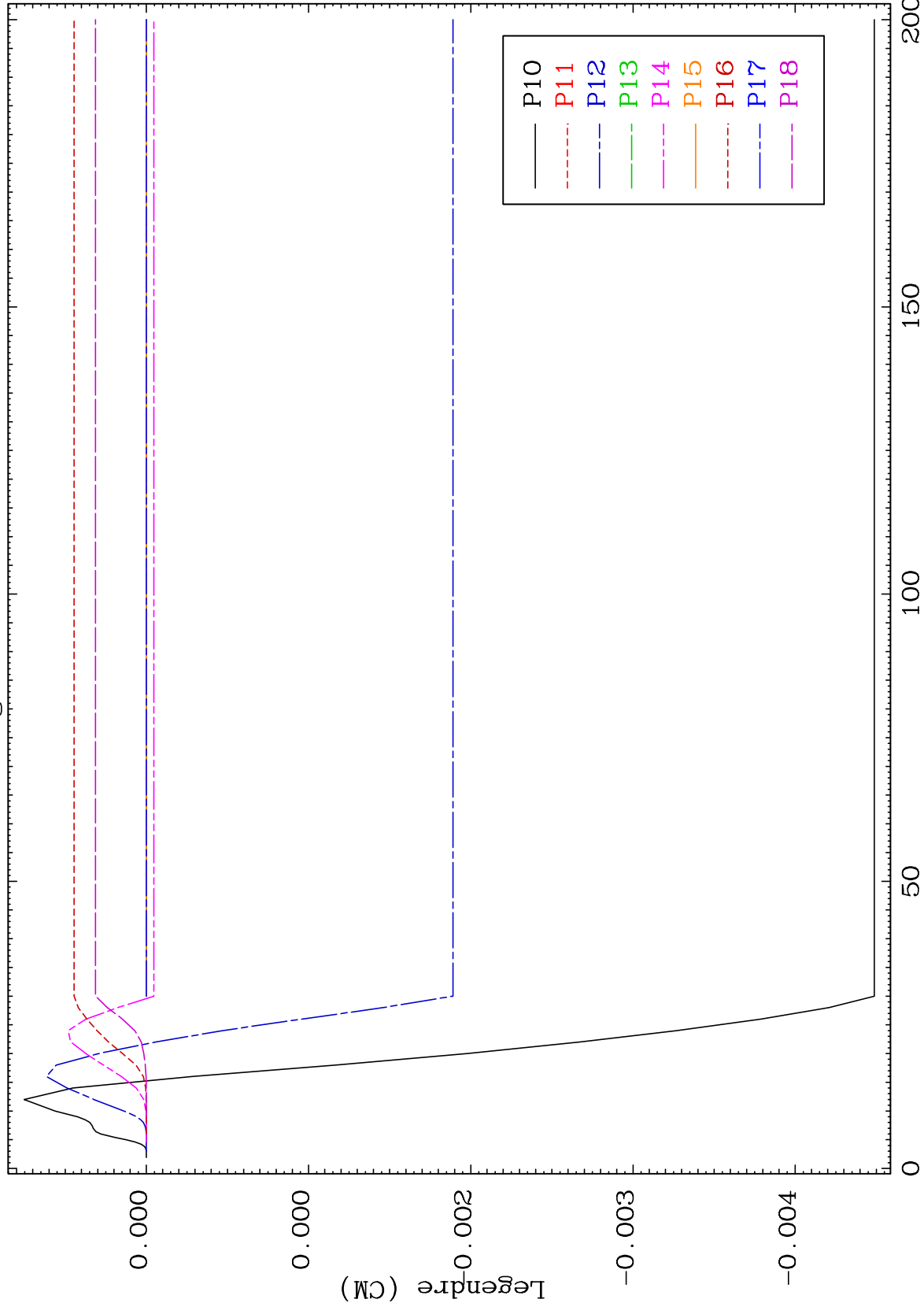




MAT 7831

1.880 MeV (n,n') Level  
Legendre Coefficients

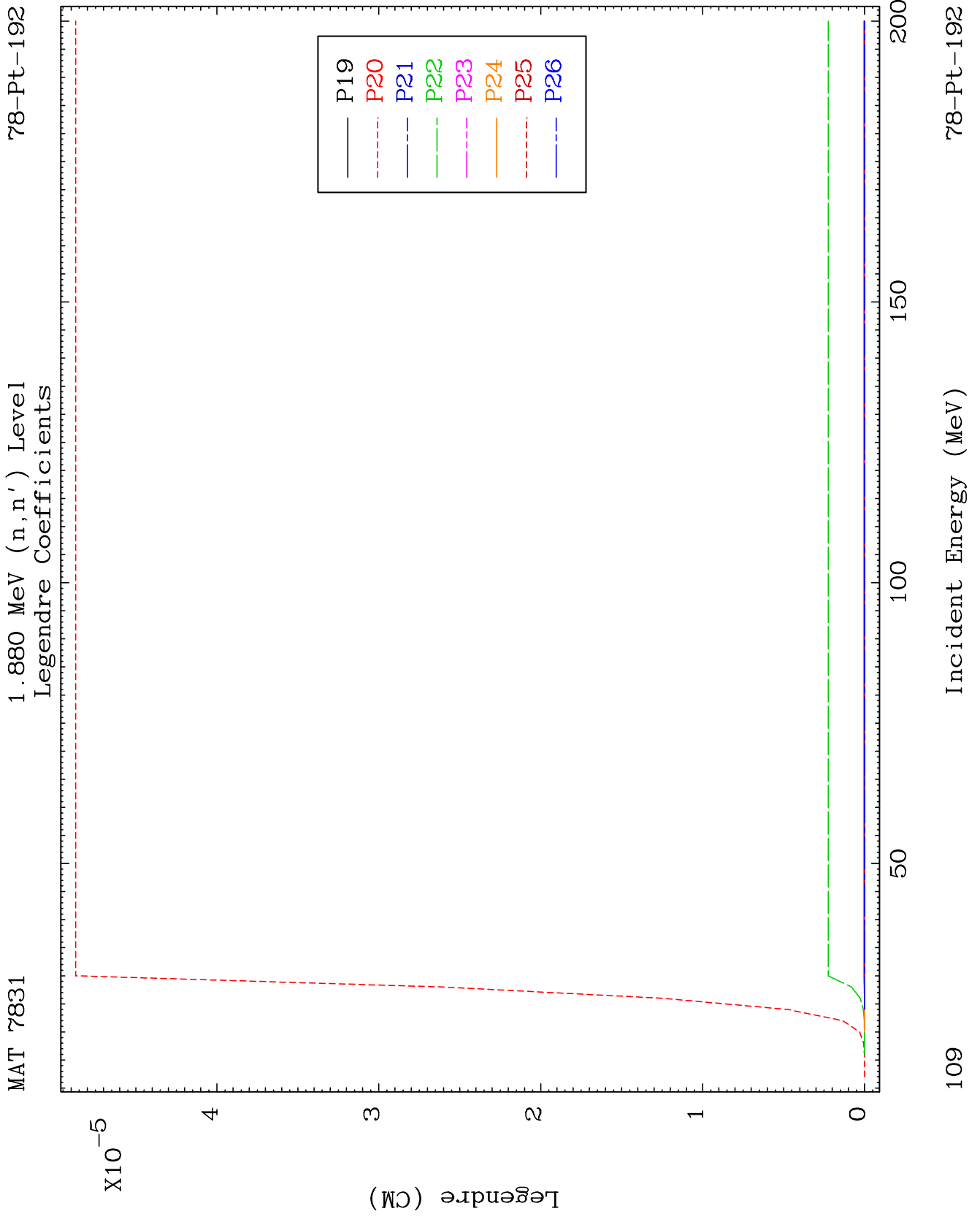
78-Pt-192



108

Incident Energy (MeV)

78-Pt-192

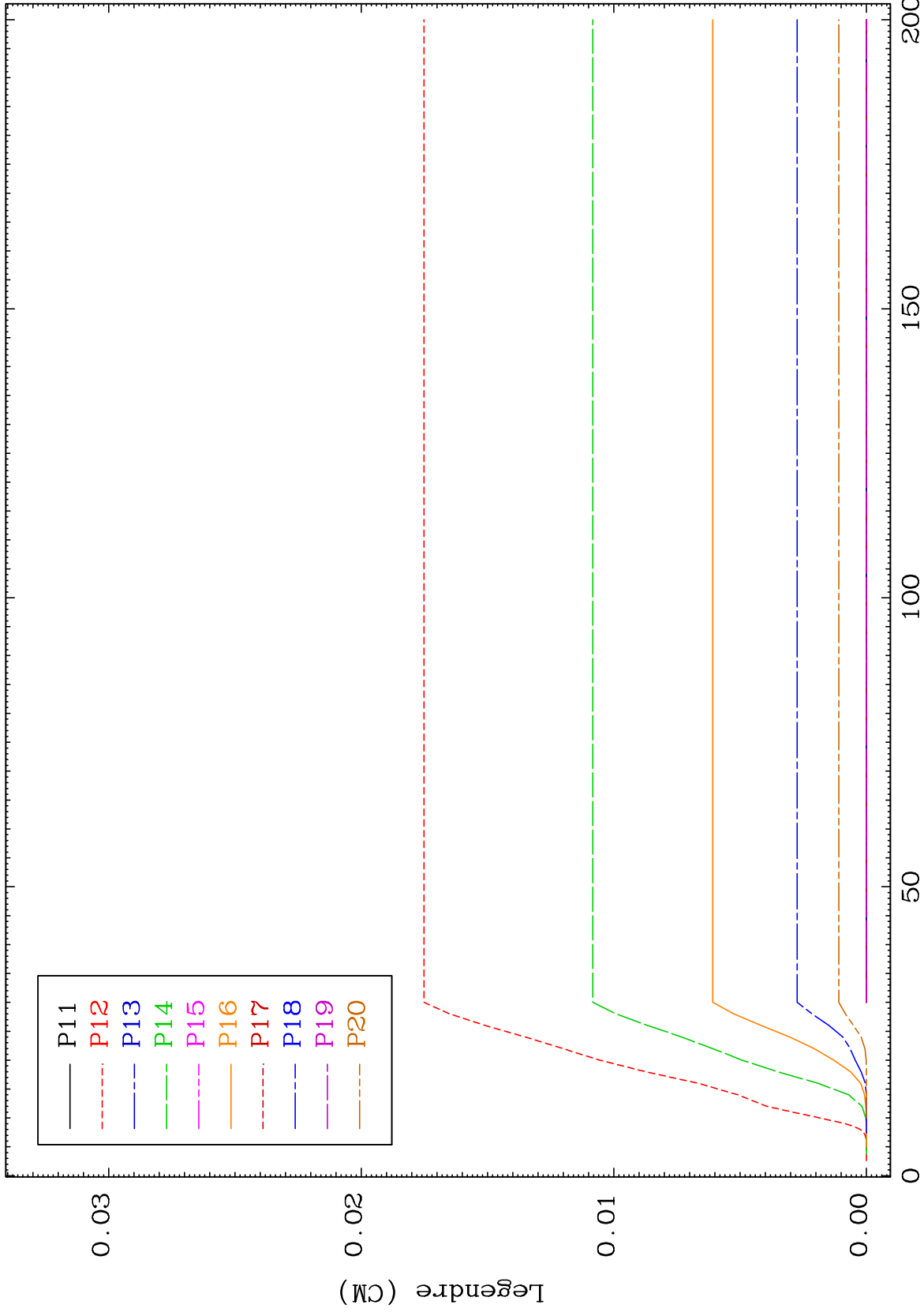




MAT 7831

1.881 MeV (n,n') Level  
Legendre Coefficients

78-Pt-192

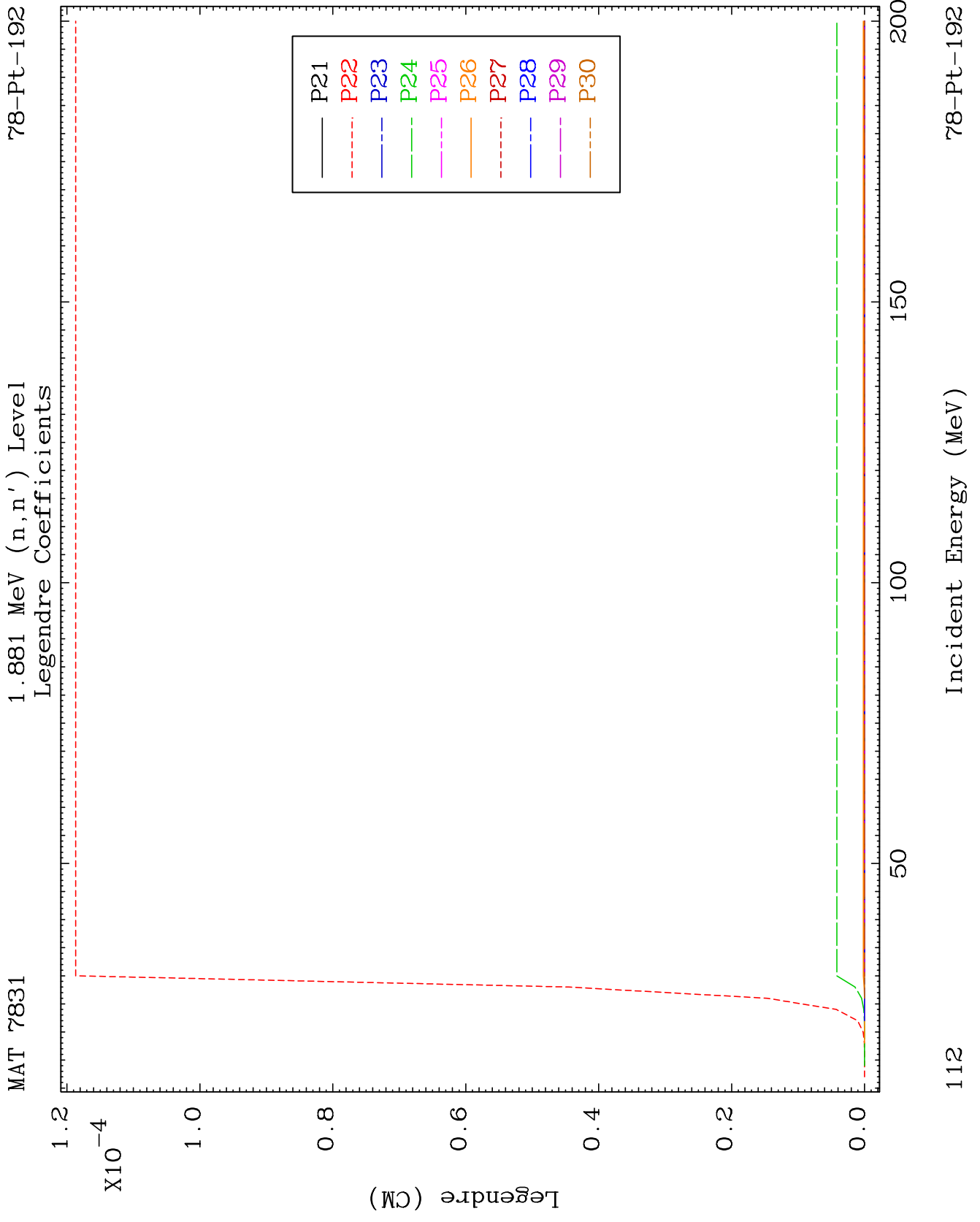


111

Incident Energy (MeV)

78-Pt-192



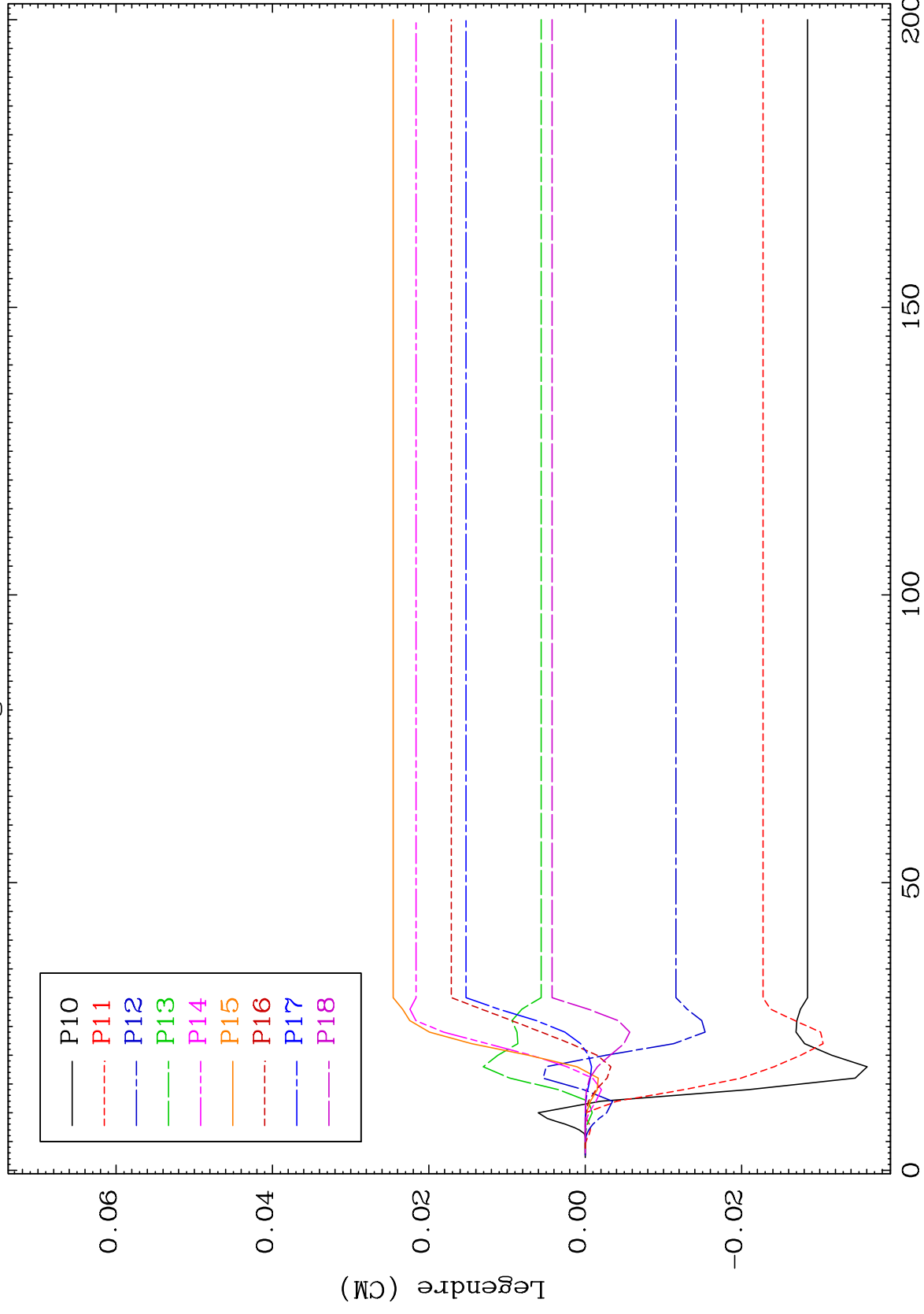




MAT 7831

1.894 MeV (n,n') Level  
Legendre Coefficients

78-Pt-192



114

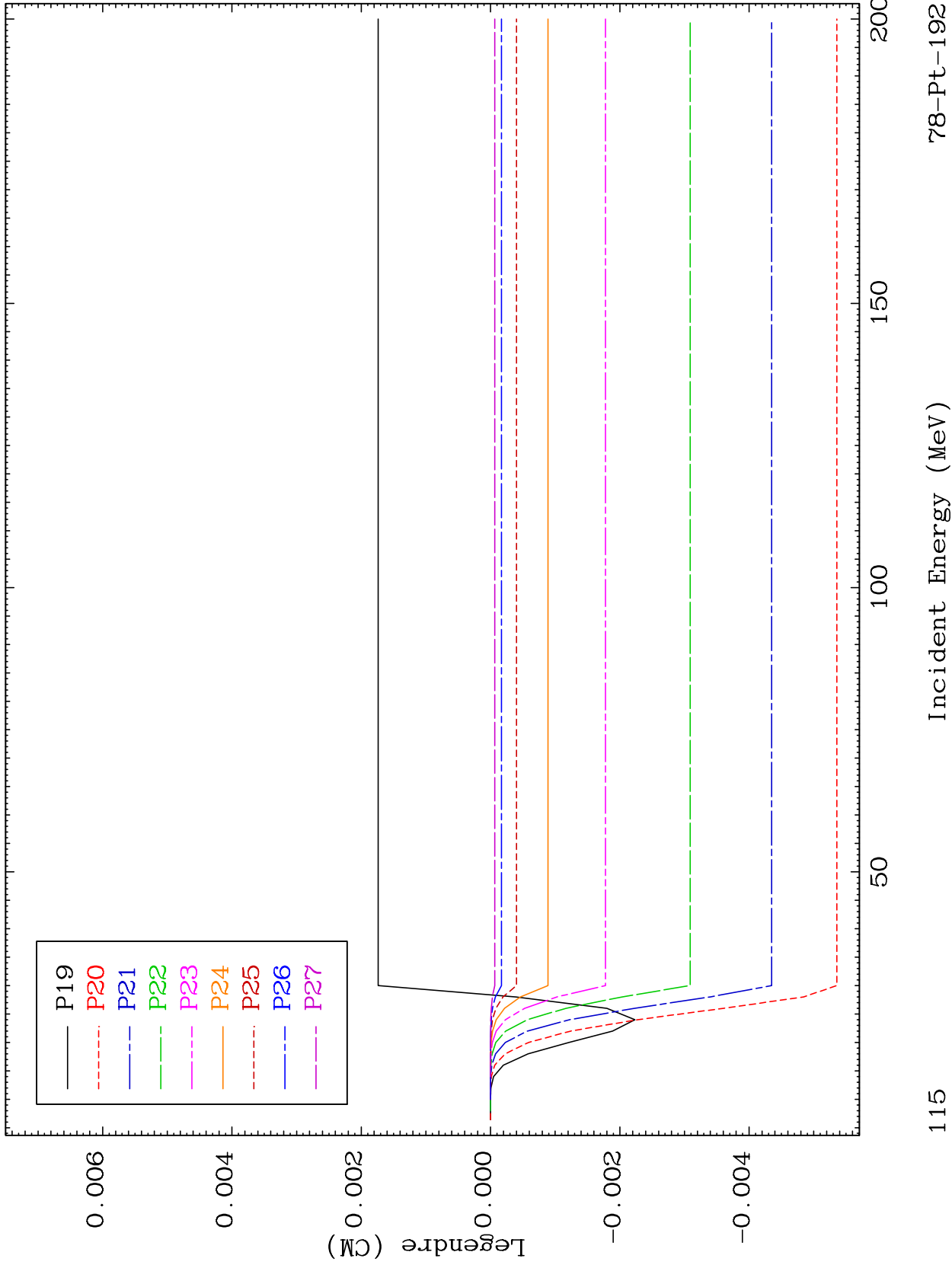
Incident Energy (MeV)

78-Pt-192

MAT 7831

1.894 MeV (n,n') Level  
Legendre Coefficients

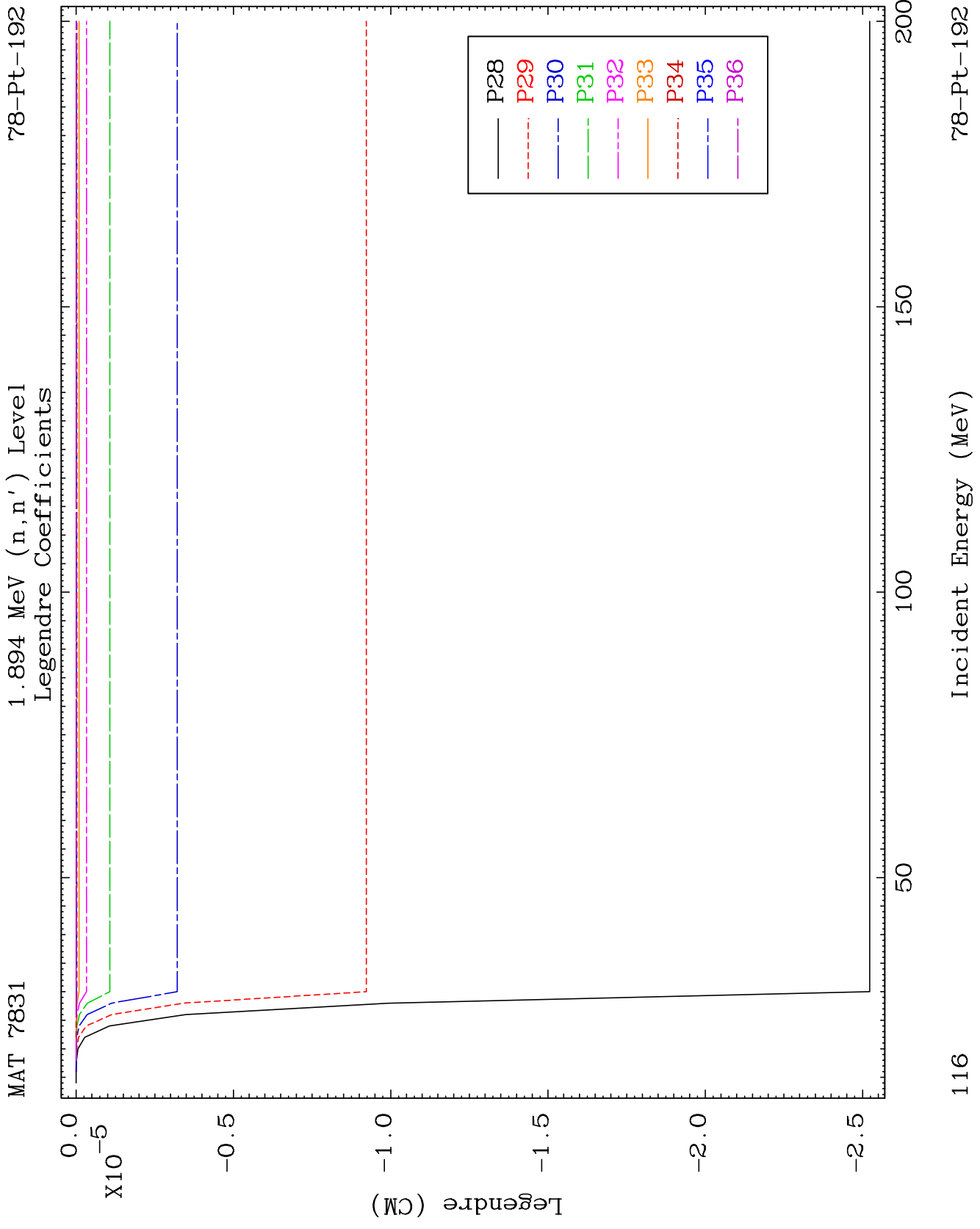
78-Pt-192

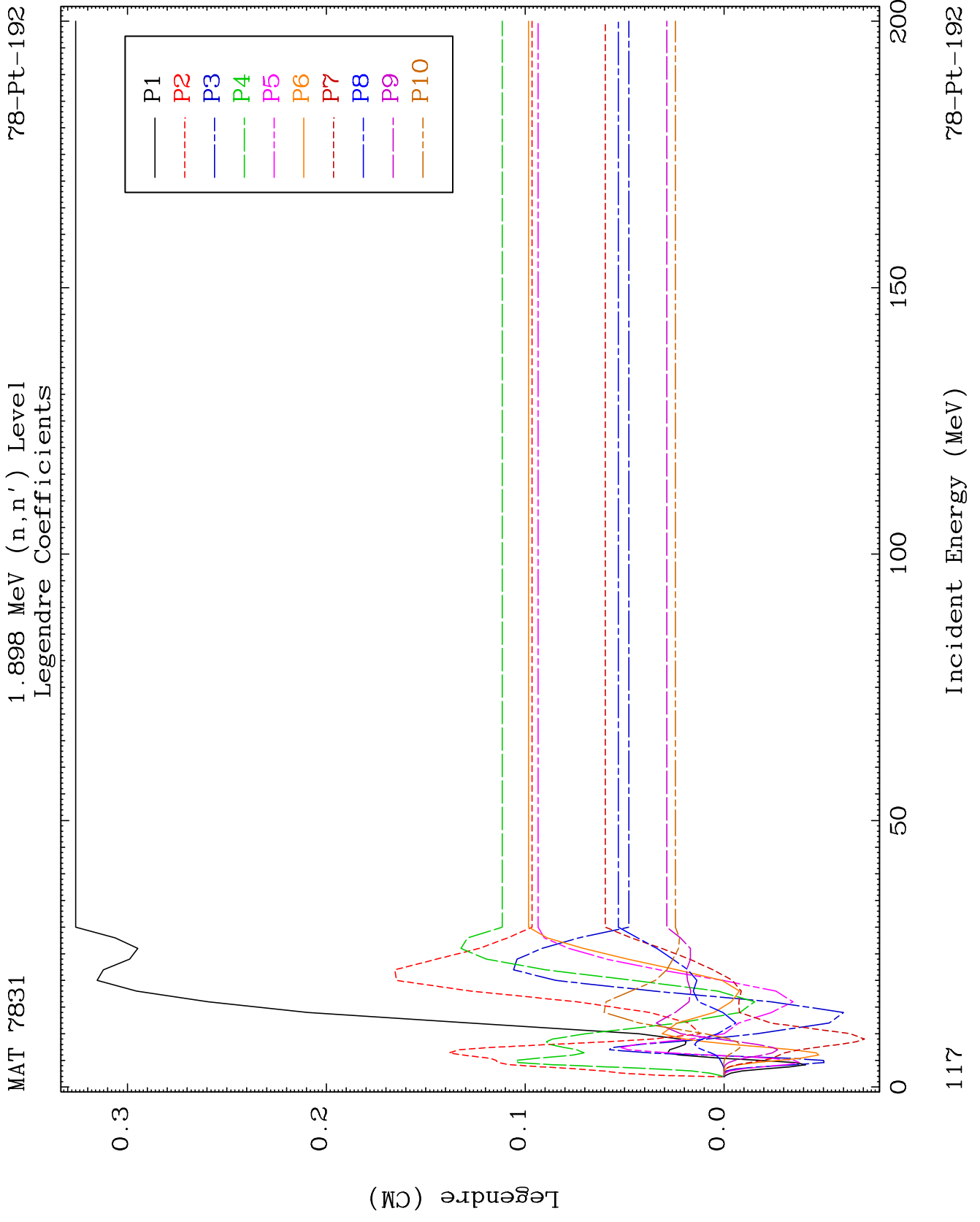


115

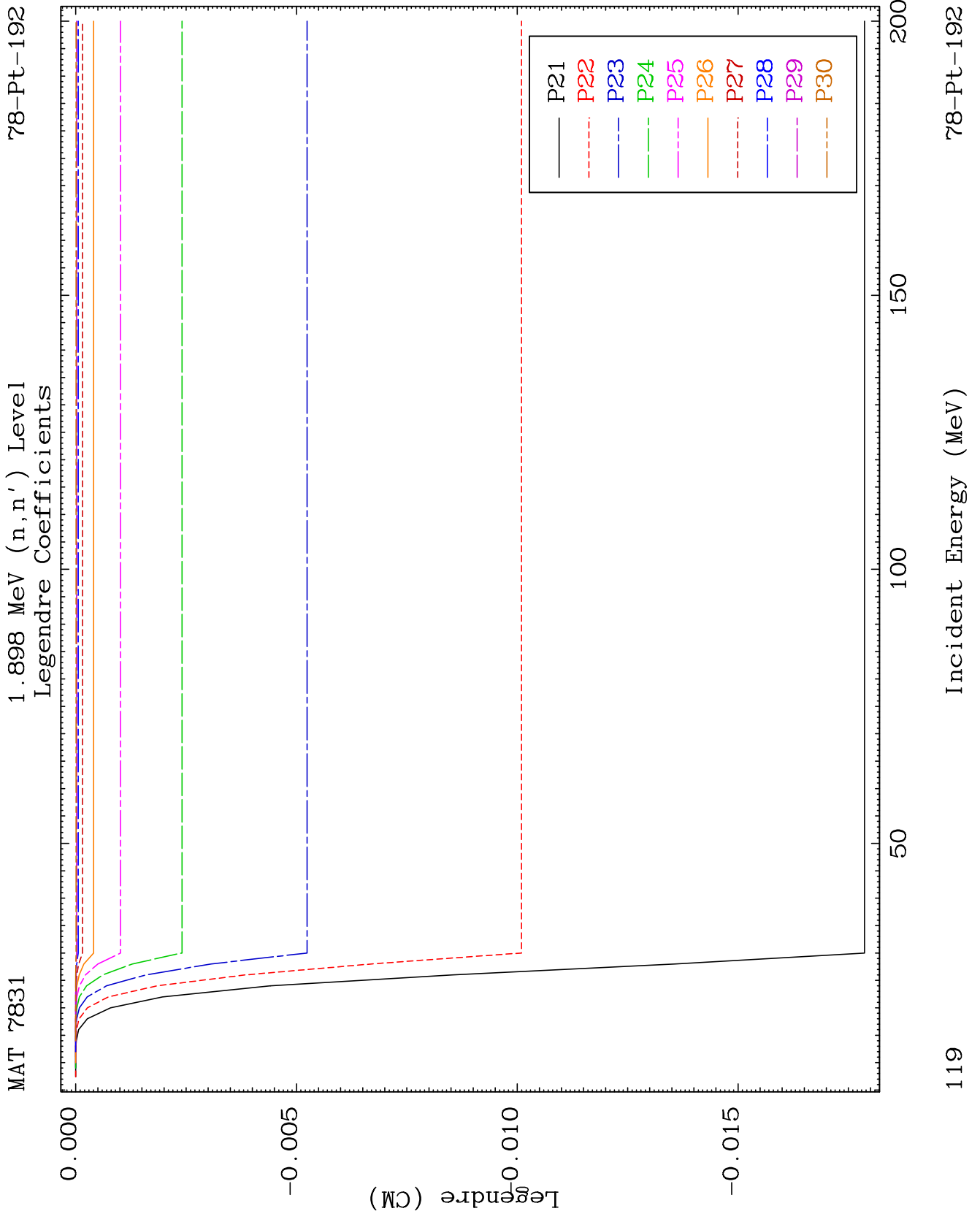
Incident Energy (MeV)

78-Pt-192

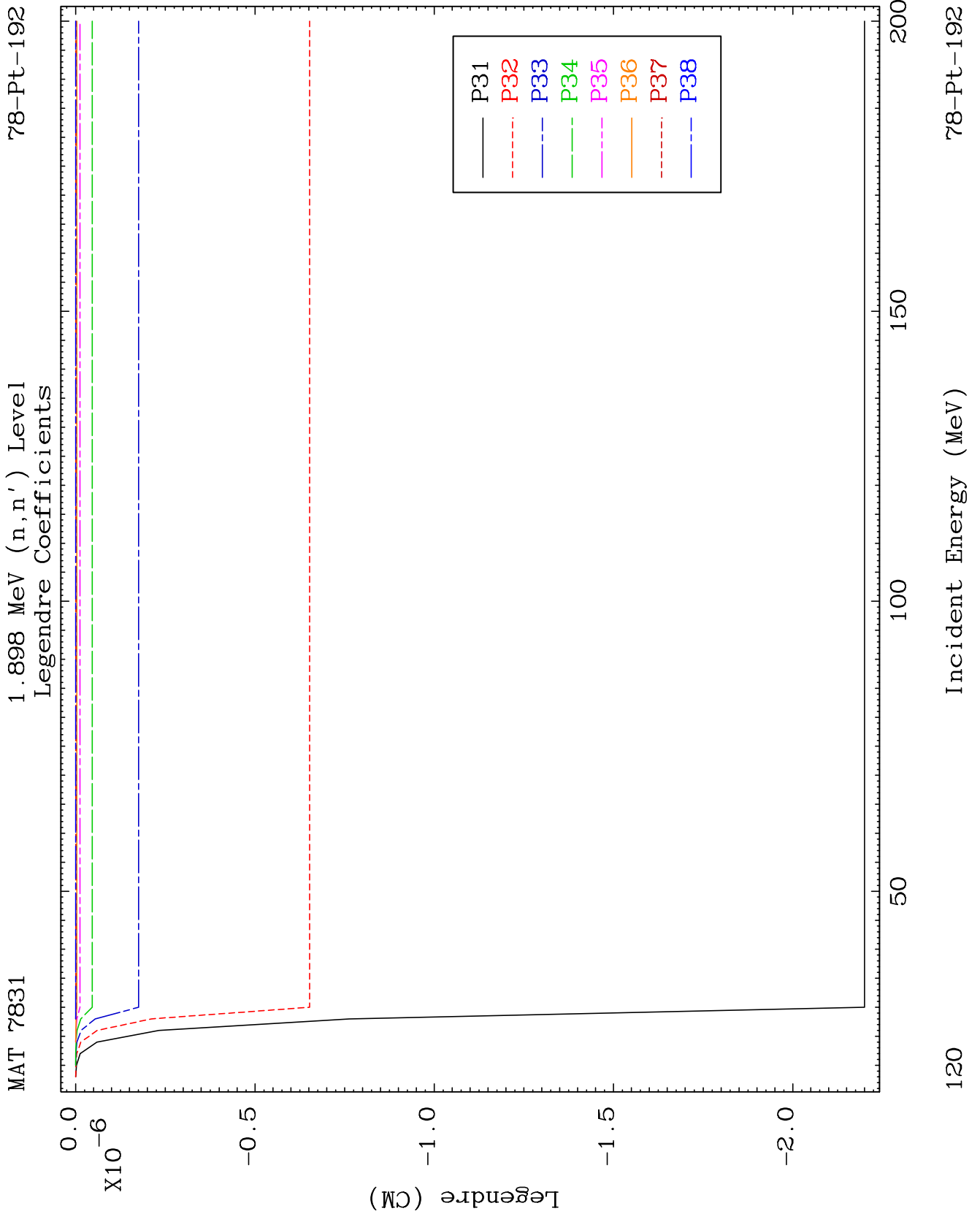


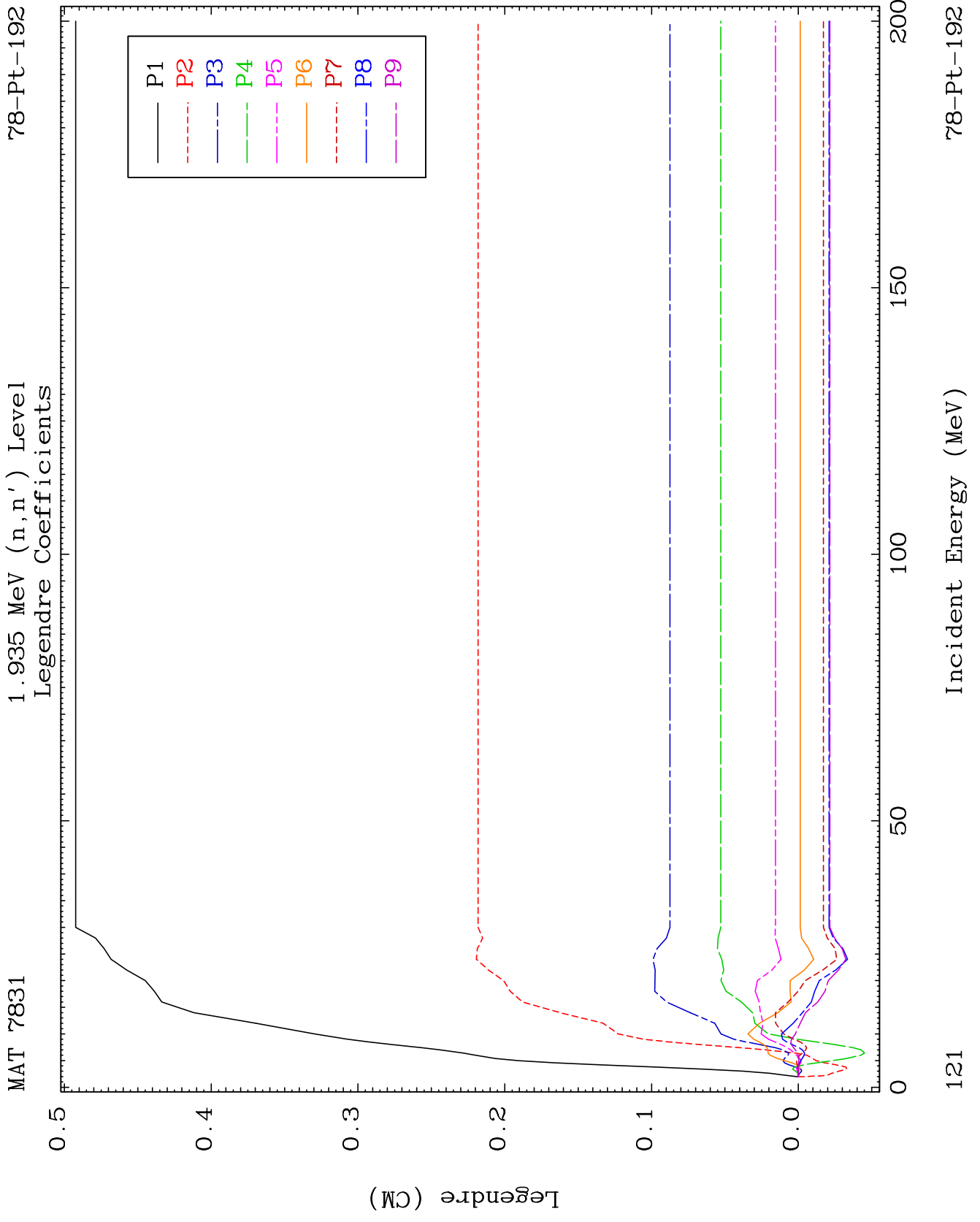








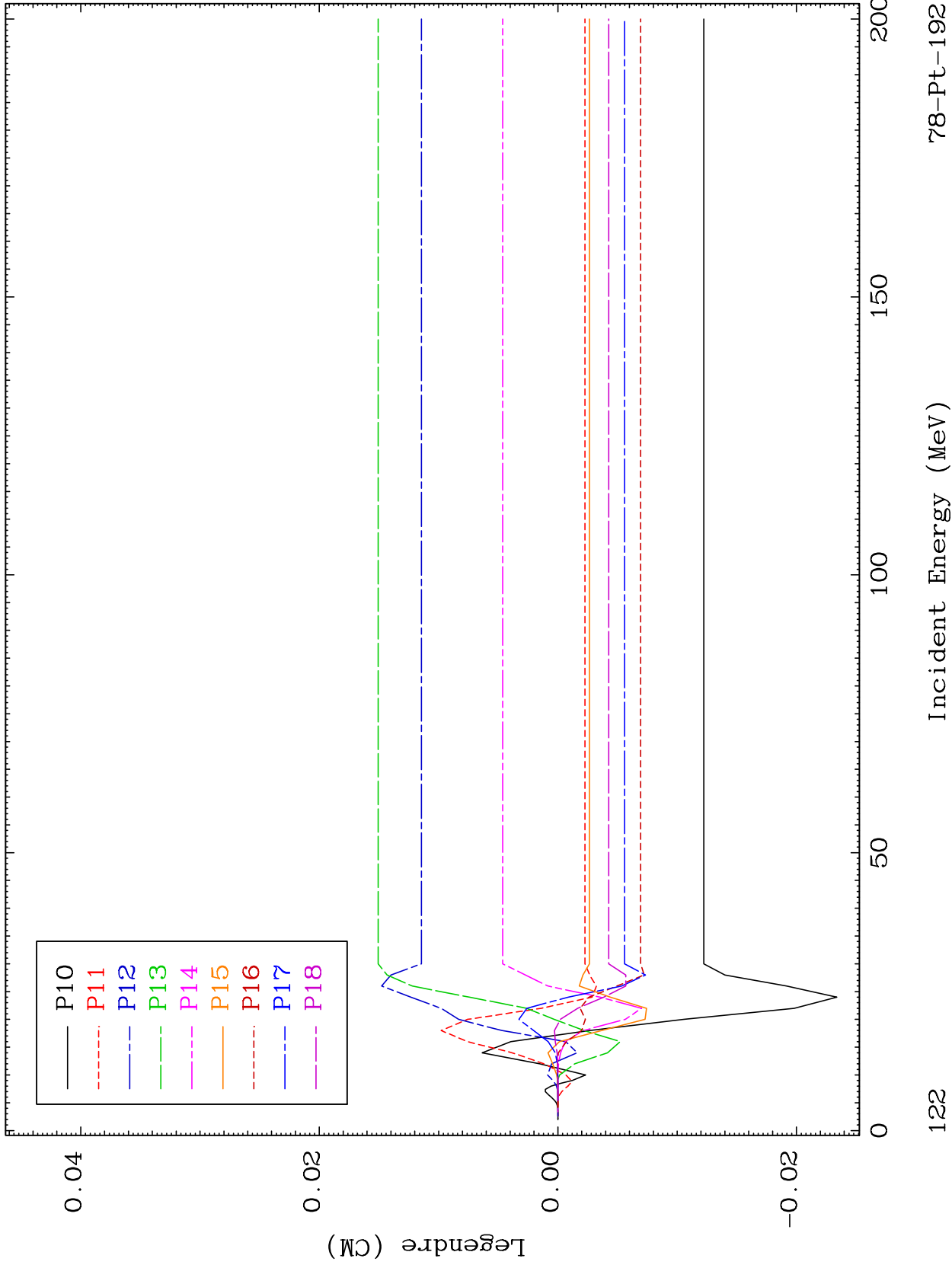




MAT 7831

1.935 MeV (n,n') Level  
Legendre Coefficients

78-Pt-192



78-Pt-192

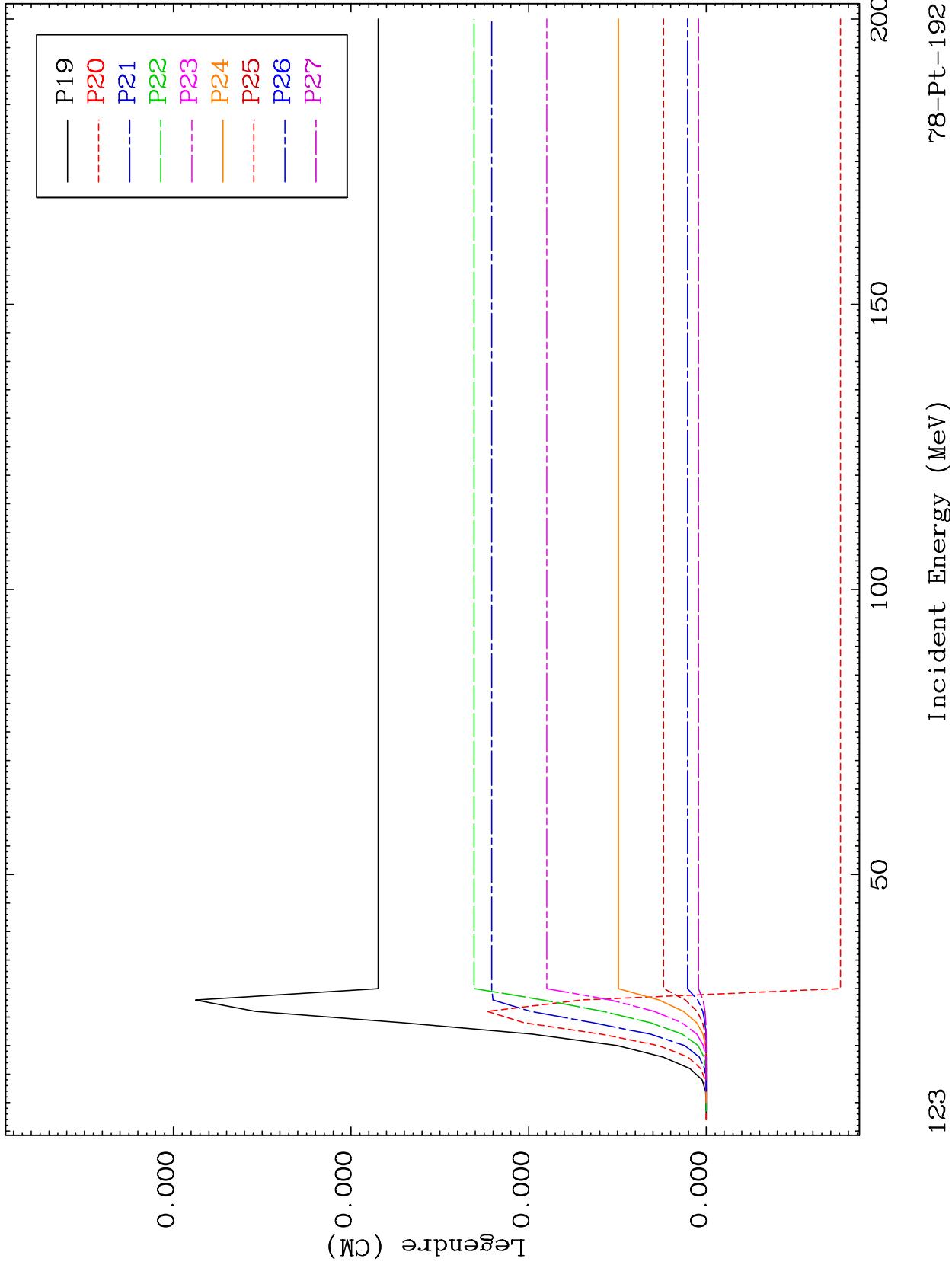
Incident Energy (MeV)

122

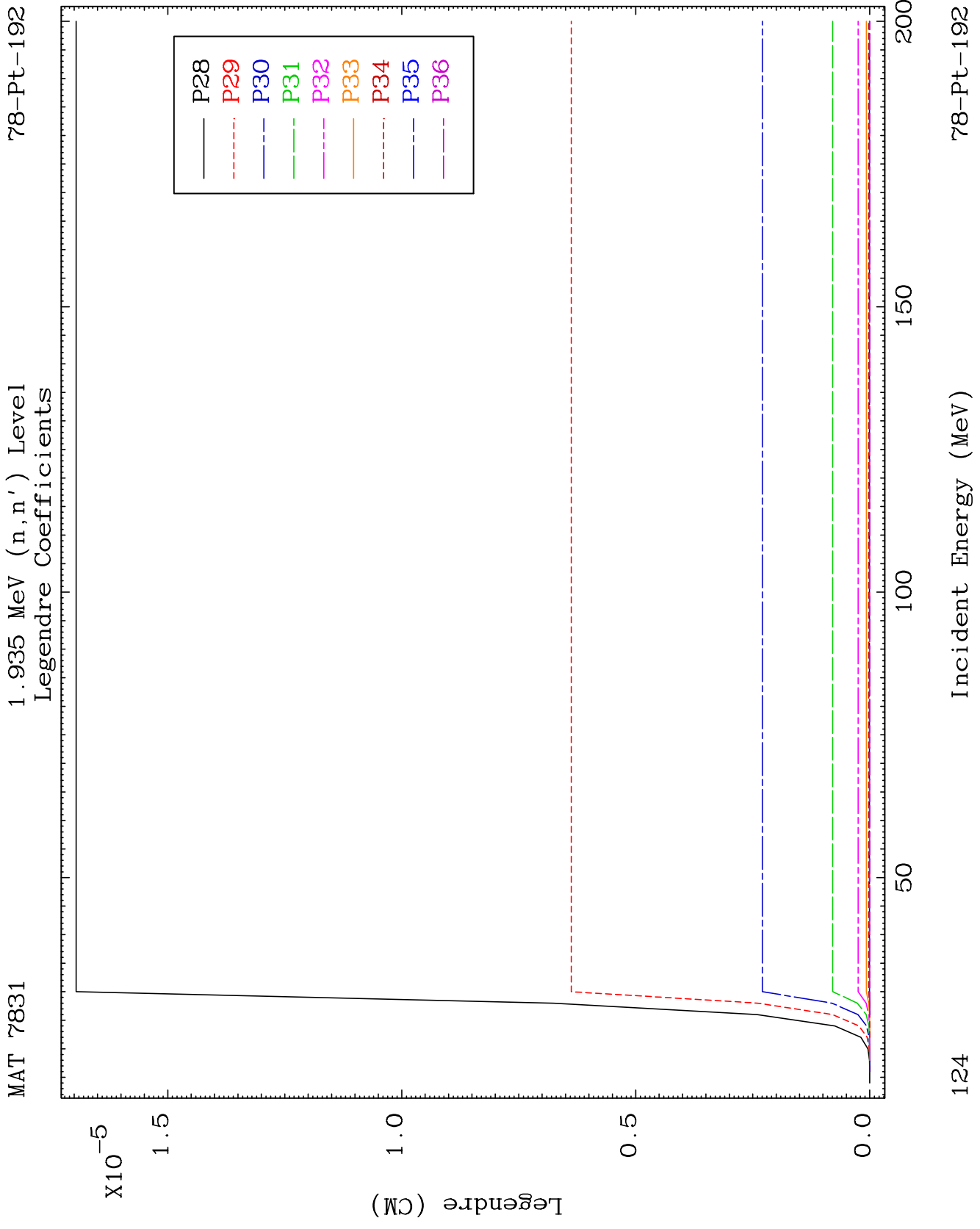
MAT 7831

1.935 MeV (n,n') Level  
Legendre Coefficients

78-Pt-192



123

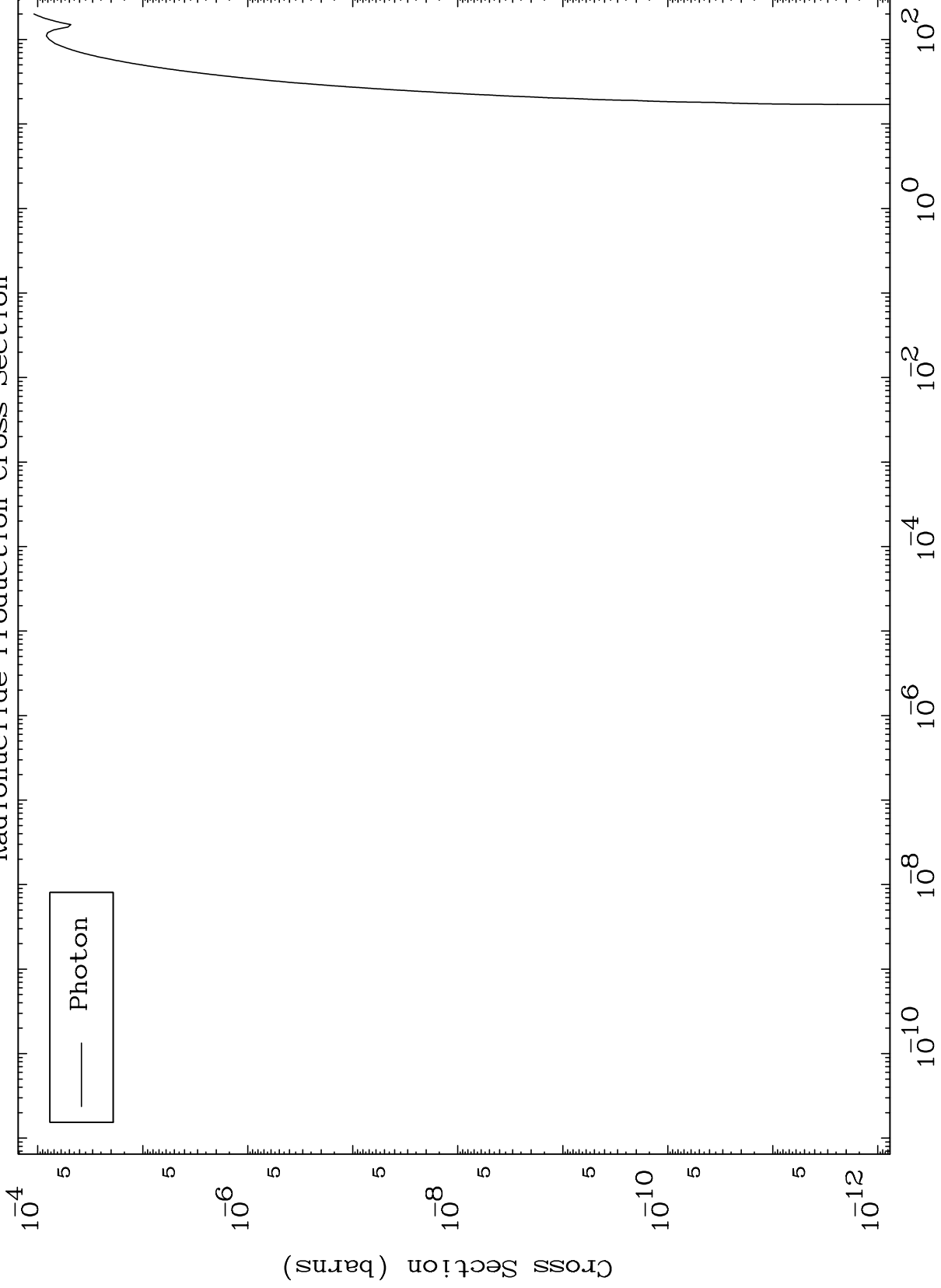


MAT 7831

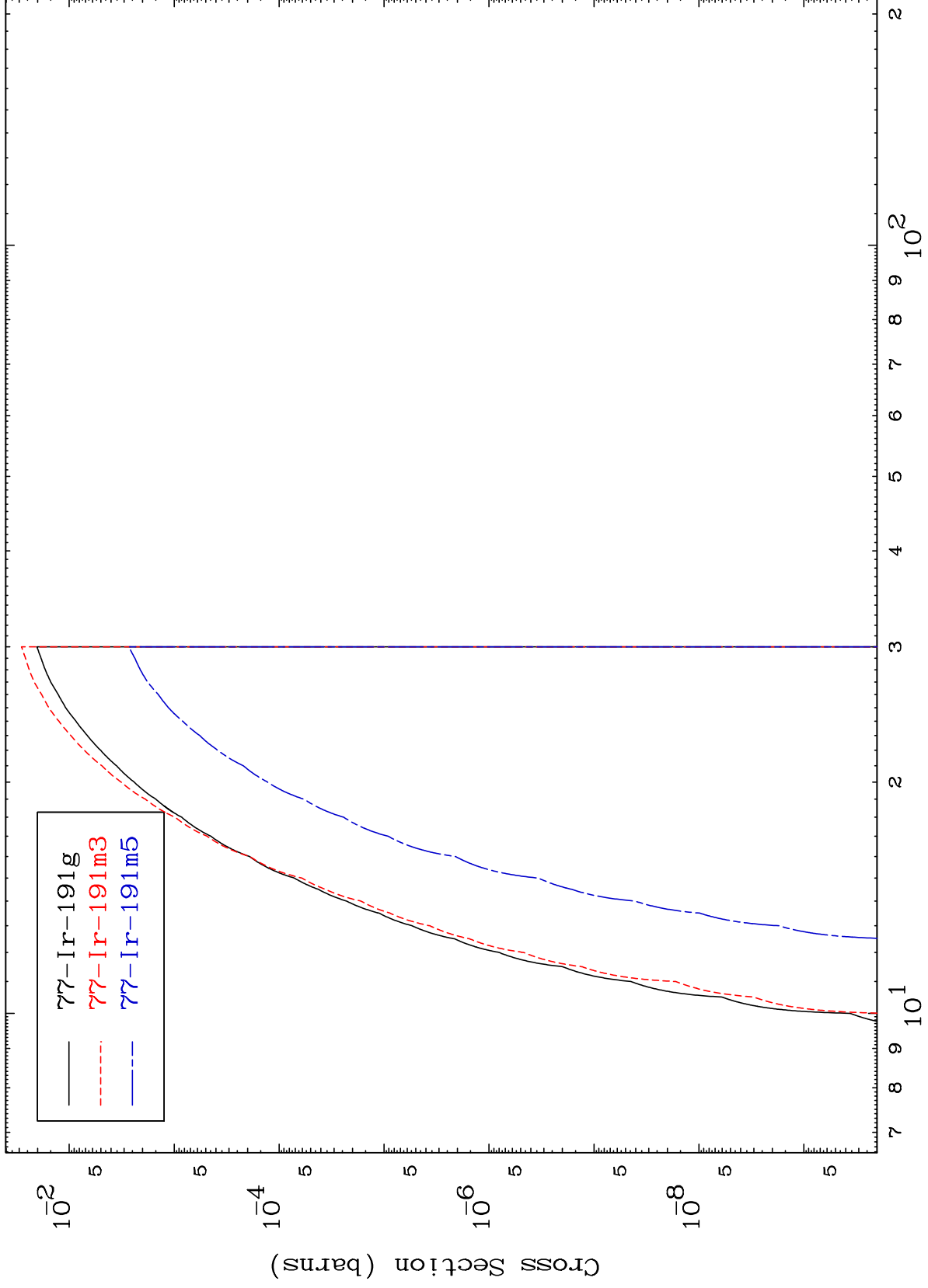
Fission

78-Pt-192

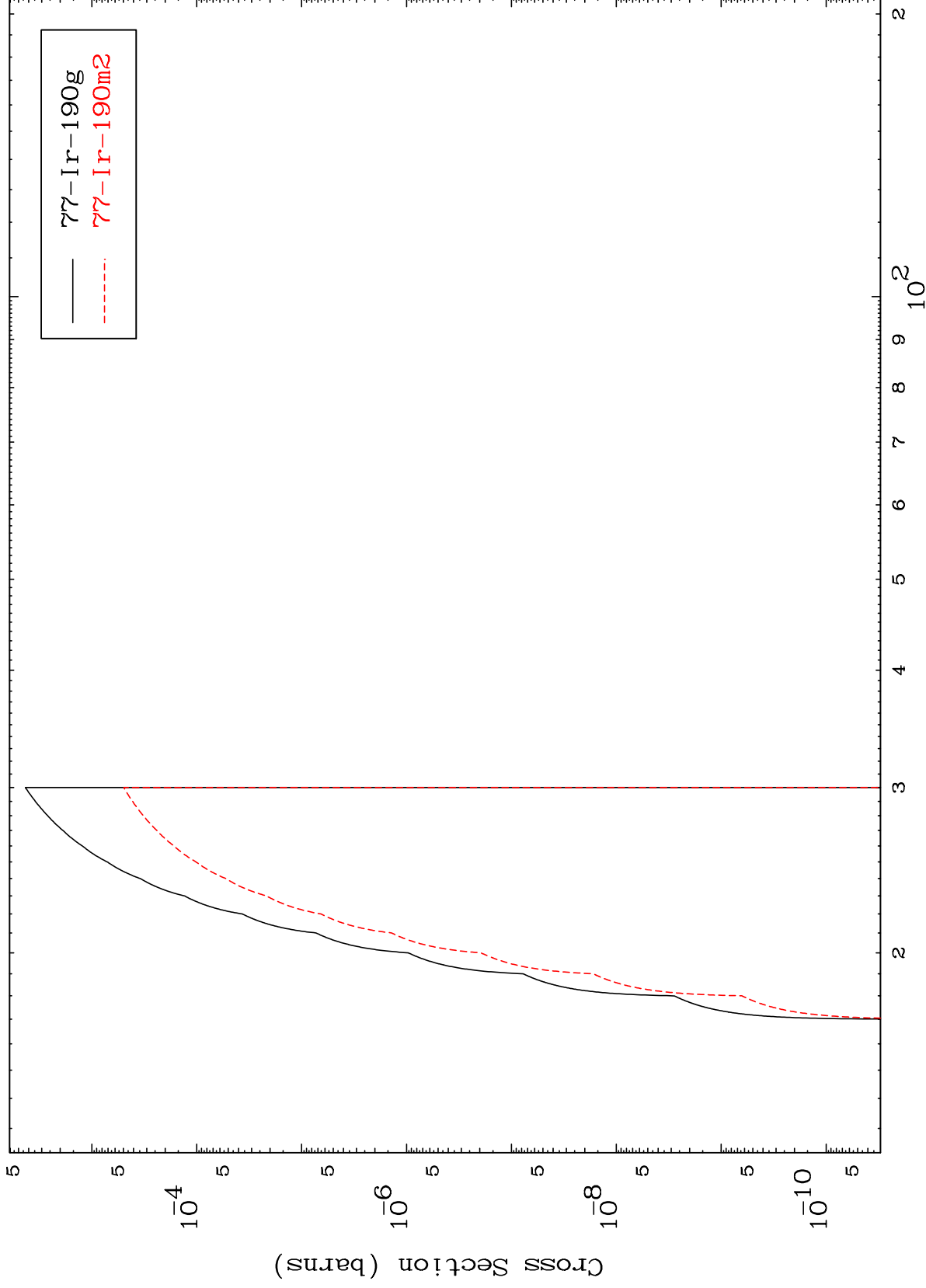
Radionuclide Production Cross Section



Radionuclide Production Cross Section

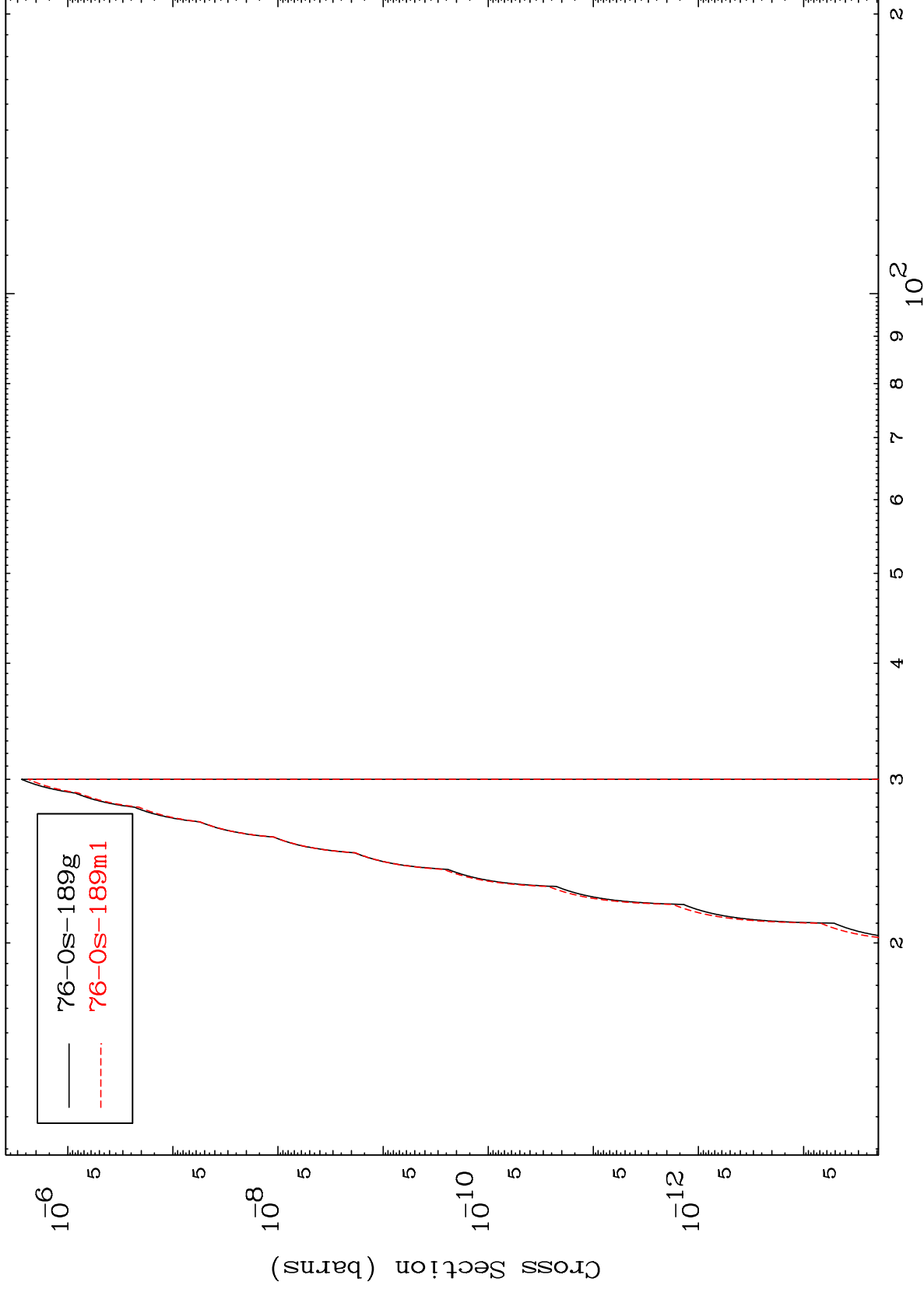


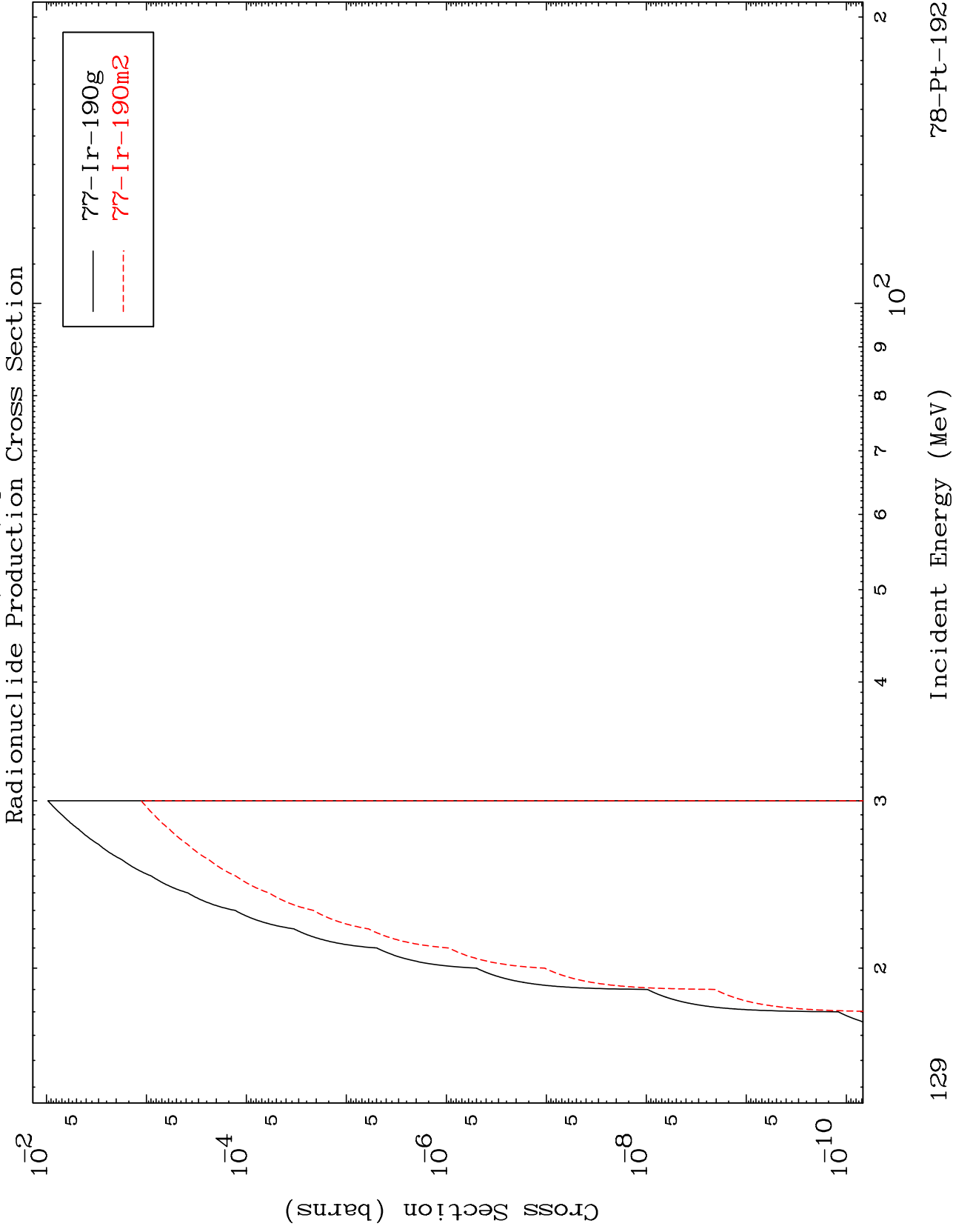
Radionuclide Production Cross Section





Radionuclide Production Cross Section



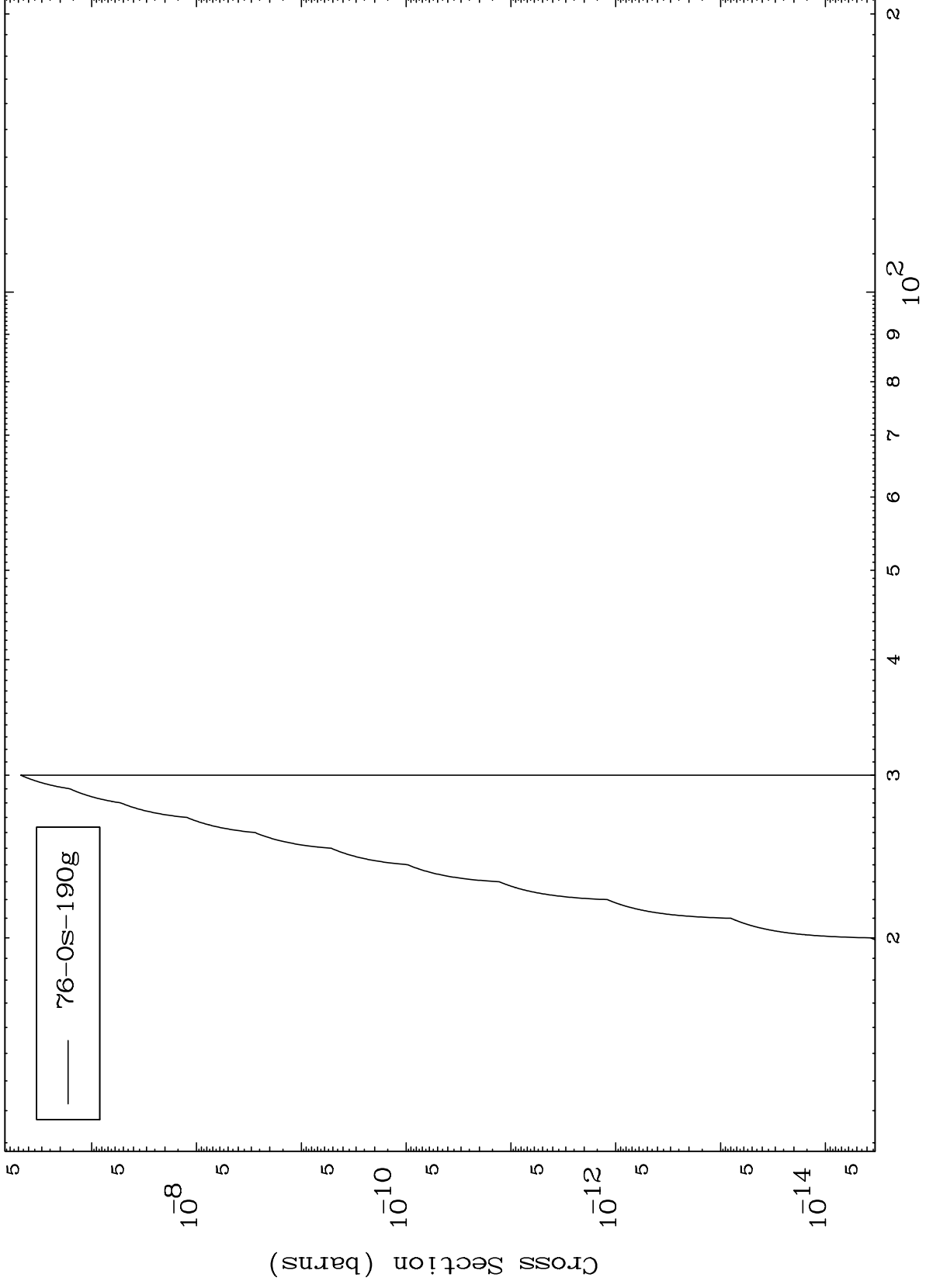


MAT 7831

(n,2n) p

78-Pt-192

Radionuclide Production Cross Section



130

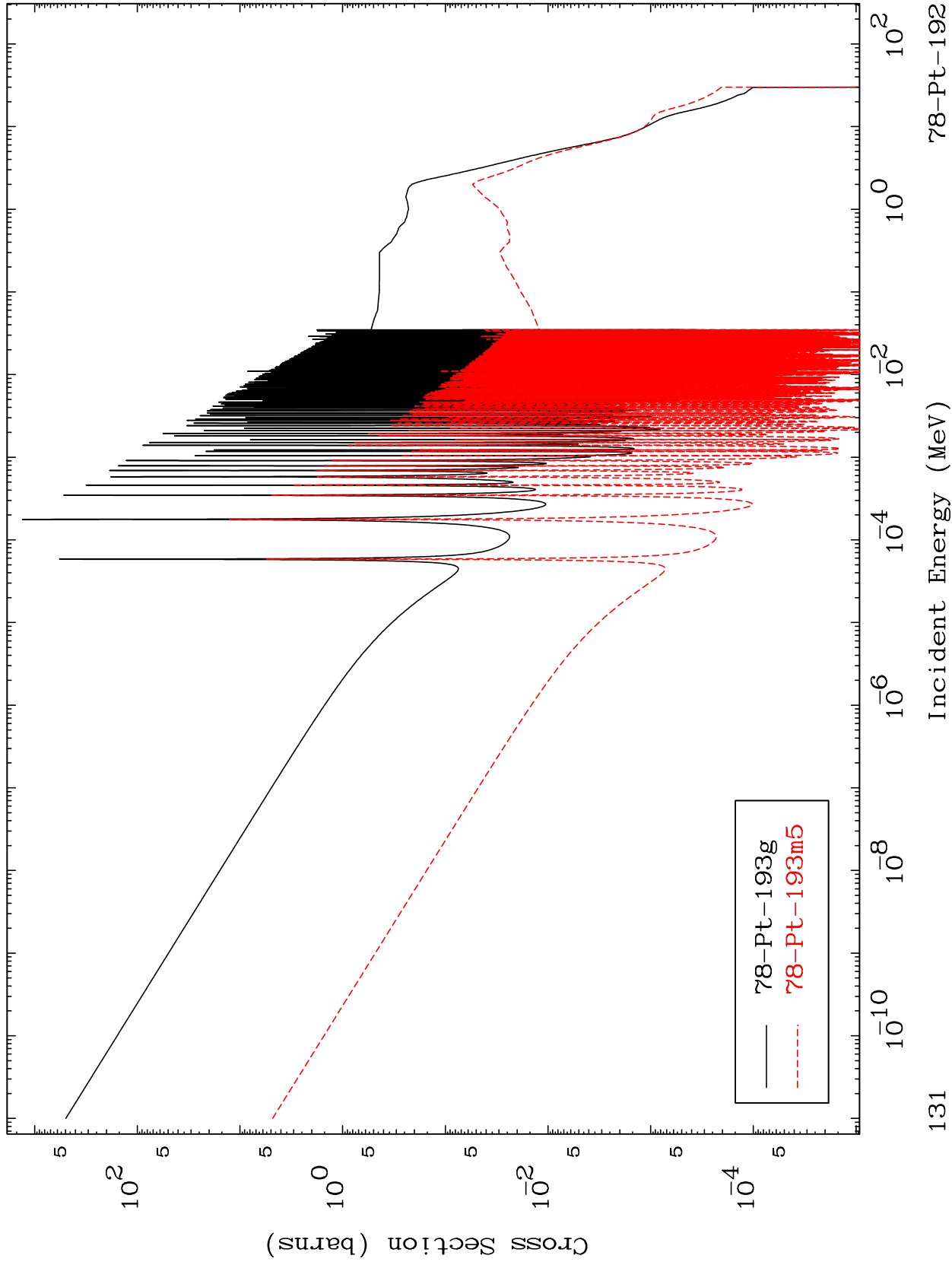
Incident Energy (MeV)

78-Pt-192

MAT 7831

78-Pt-192

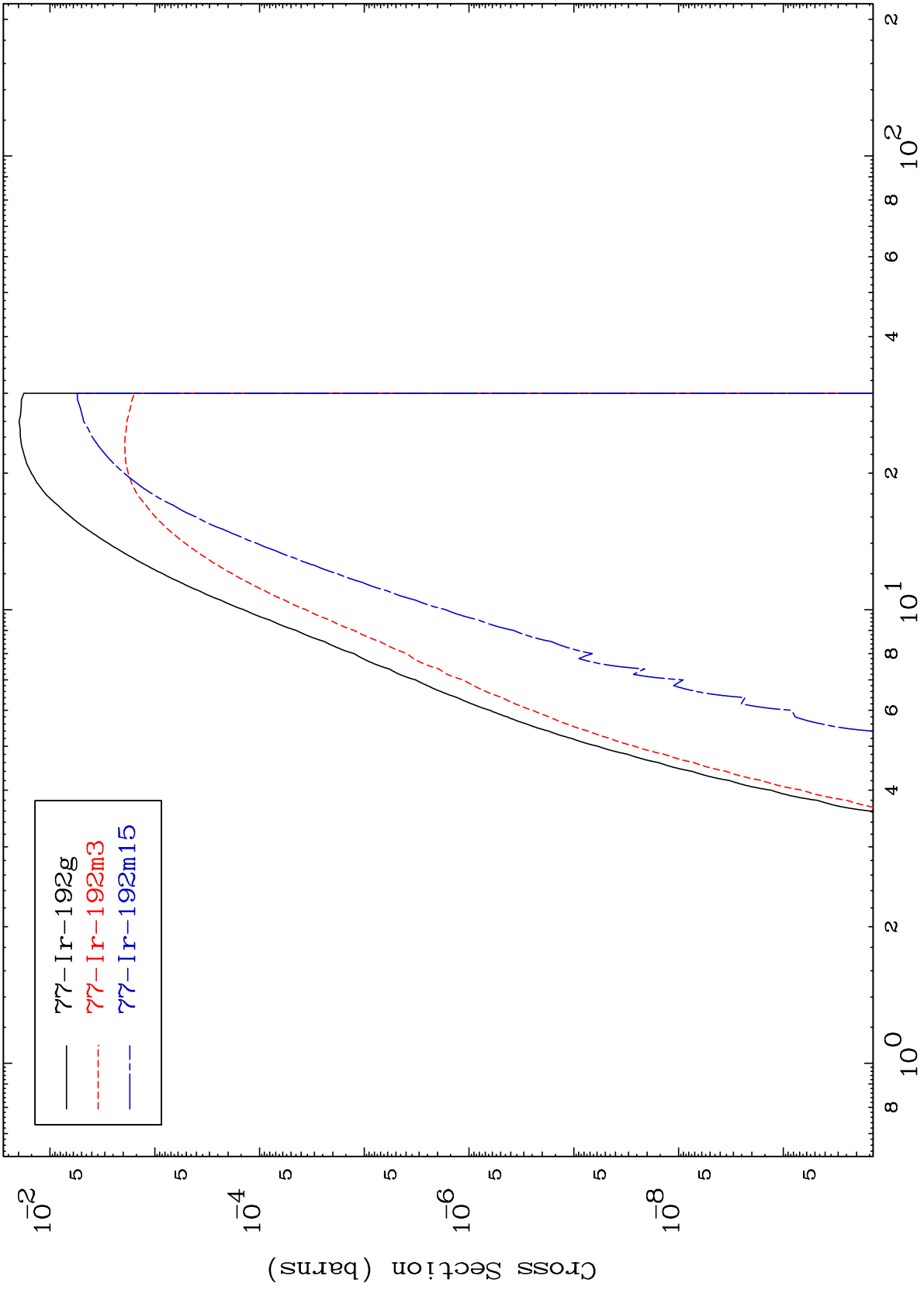
$(n, \gamma)$   
Radionuclide Production Cross Section



MAT 7831

78-Pt-192

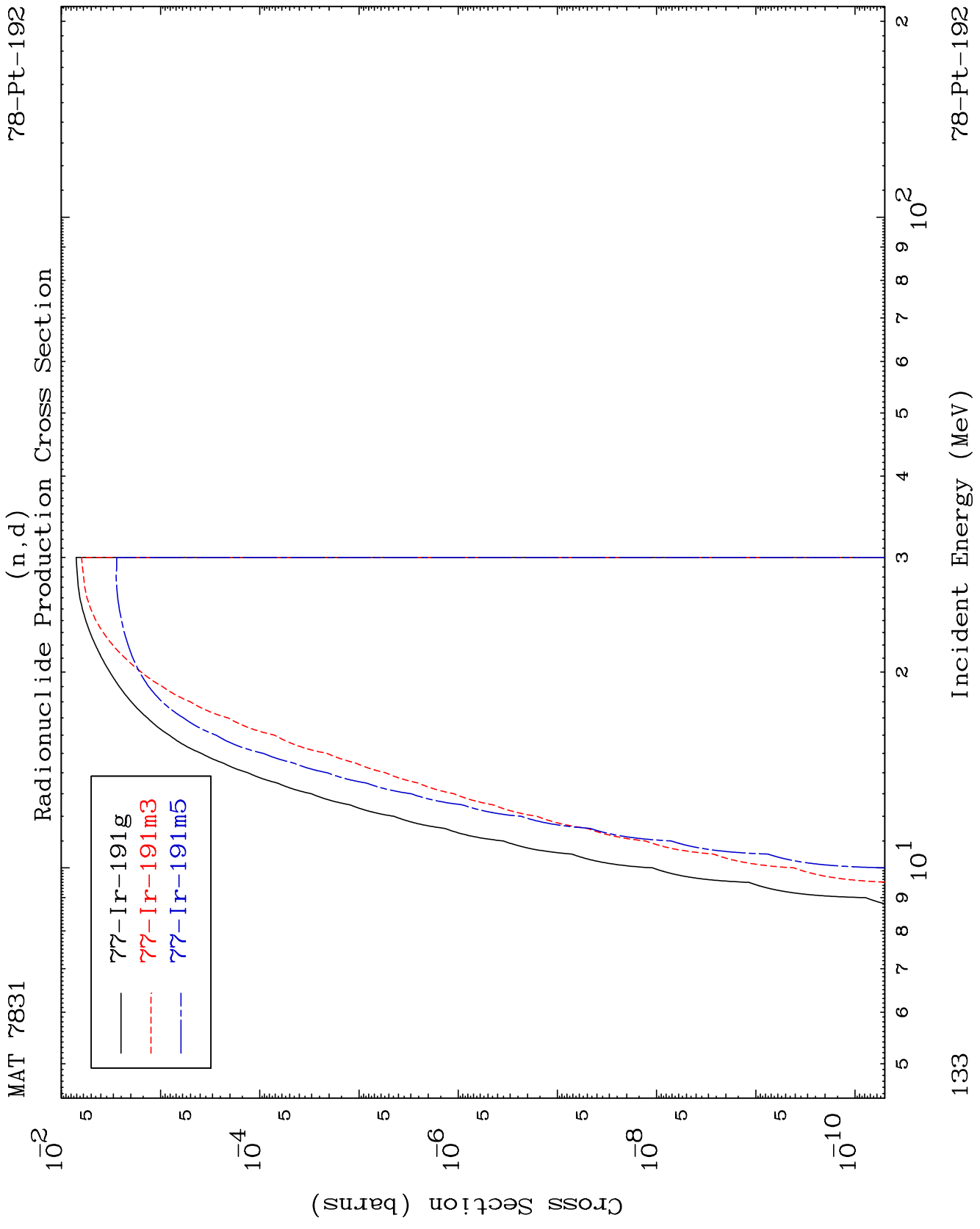
(n,p)  
Radionuclide Production Cross Section



132

Incident Energy (MeV)

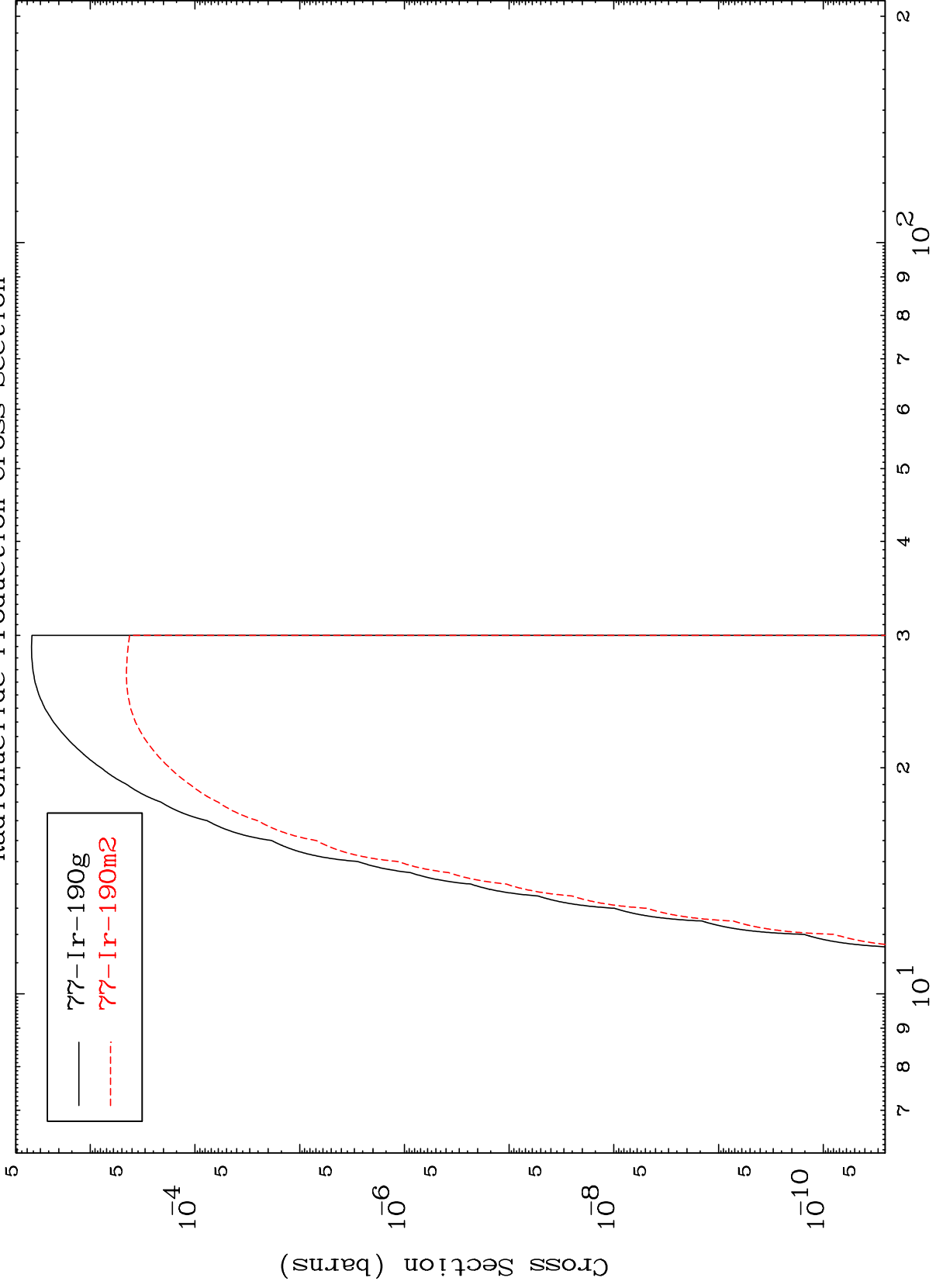
78-Pt-192



MAT 7831

78-Pt-192

(n, t)  
Radionuclide Production Cross Section



134

Incident Energy (MeV)

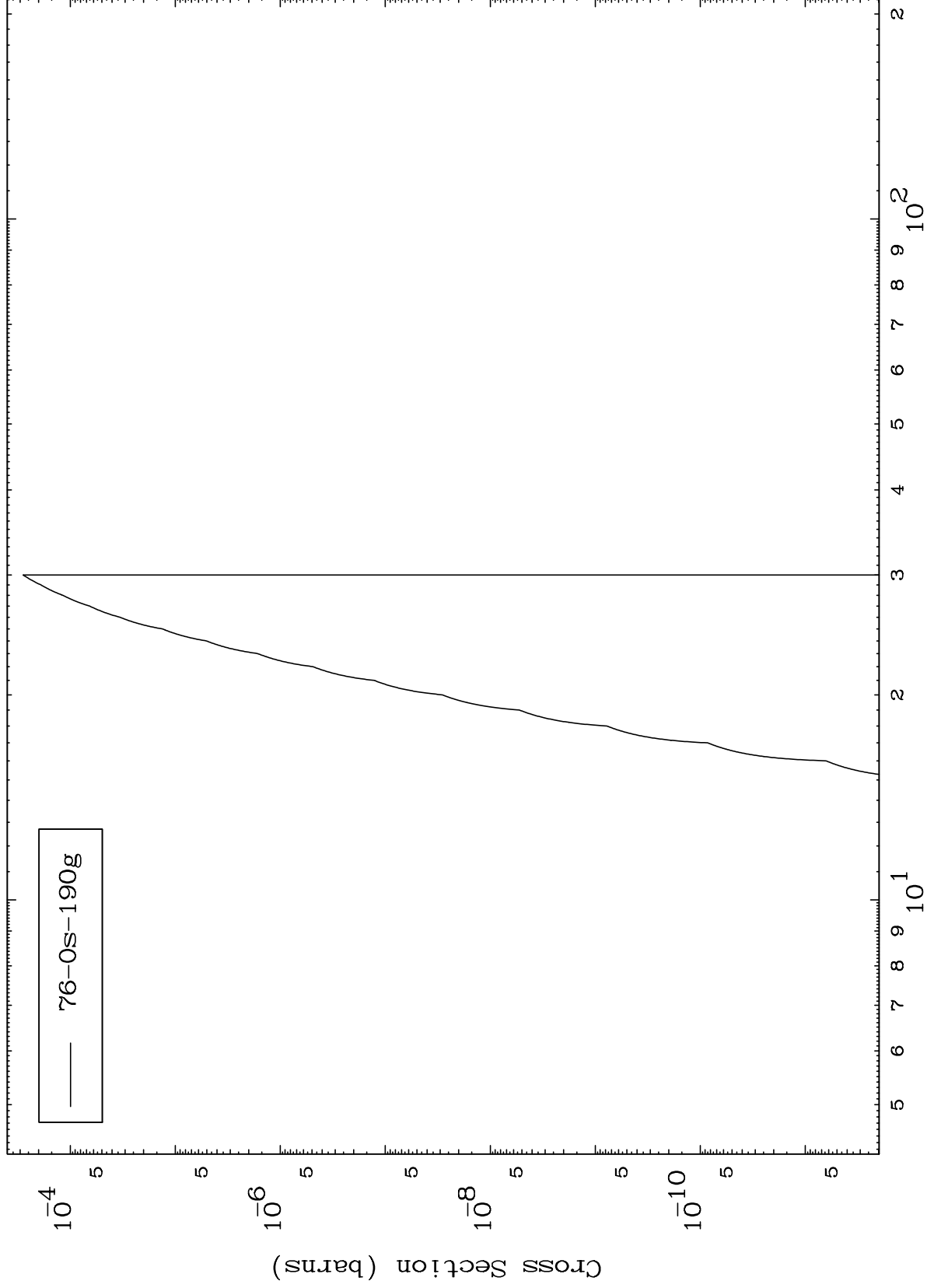
78-Pt-192

MAT 7831

(n,He-3)

78-Pt-192

Radionuclide Production Cross Section

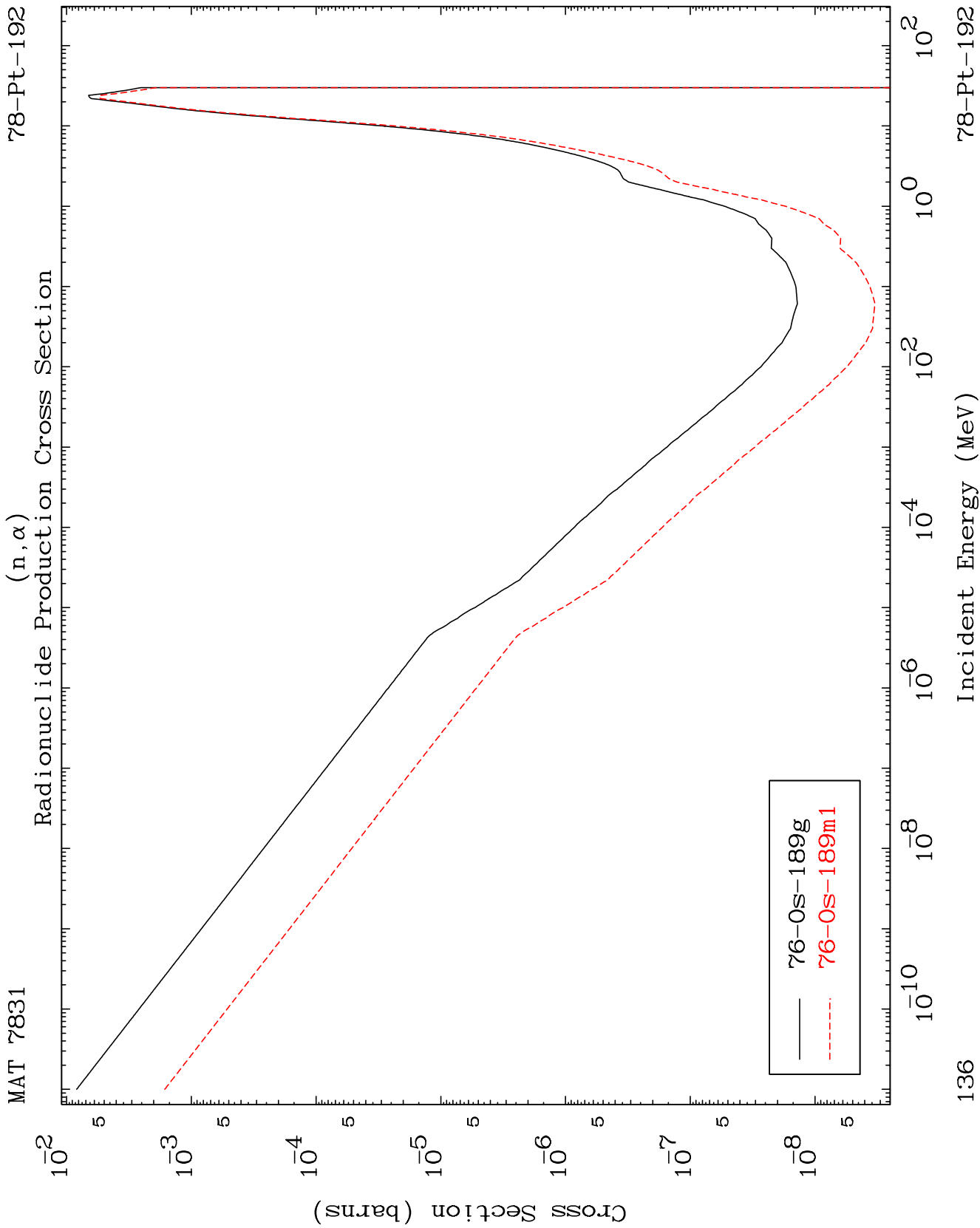


135

Incident Energy (MeV)

78-Pt-192



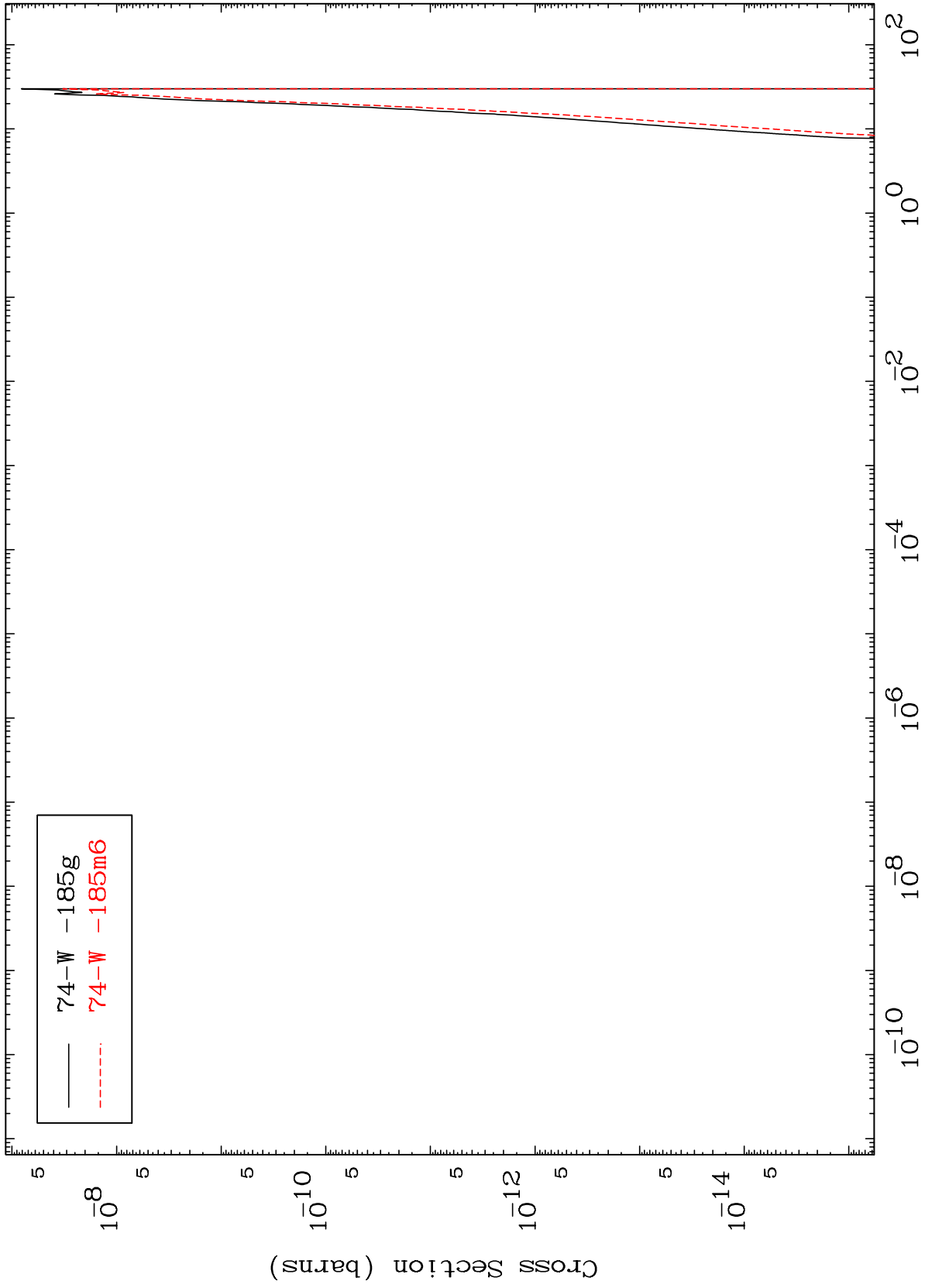


MAT 7831

(n,2α)

78-Pt-192

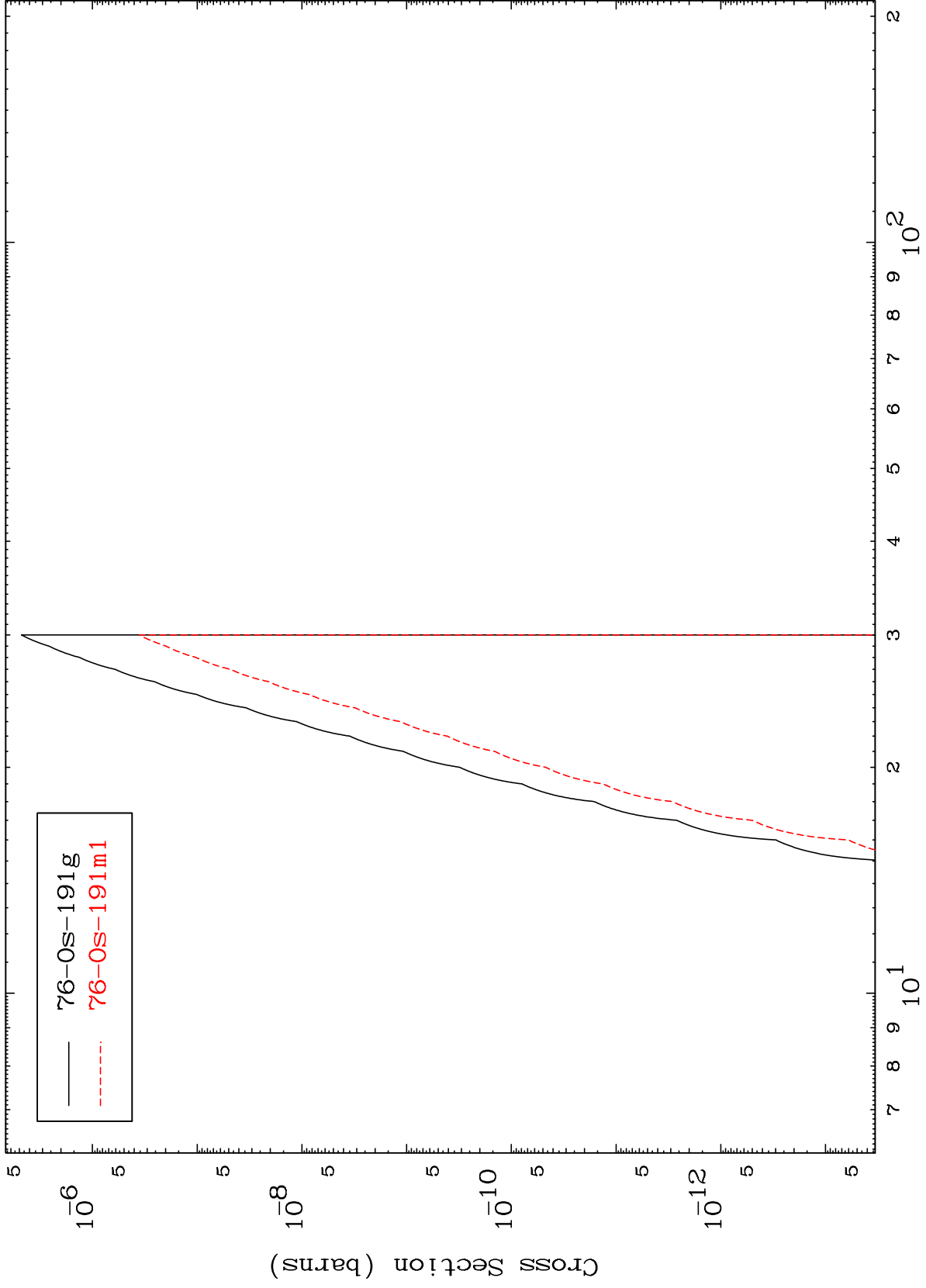
Radionuclide Production Cross Section



MAT 7831

78-Pt-192

(n,2p)  
Radionuclide Production Cross Section



138

Incident Energy (MeV)

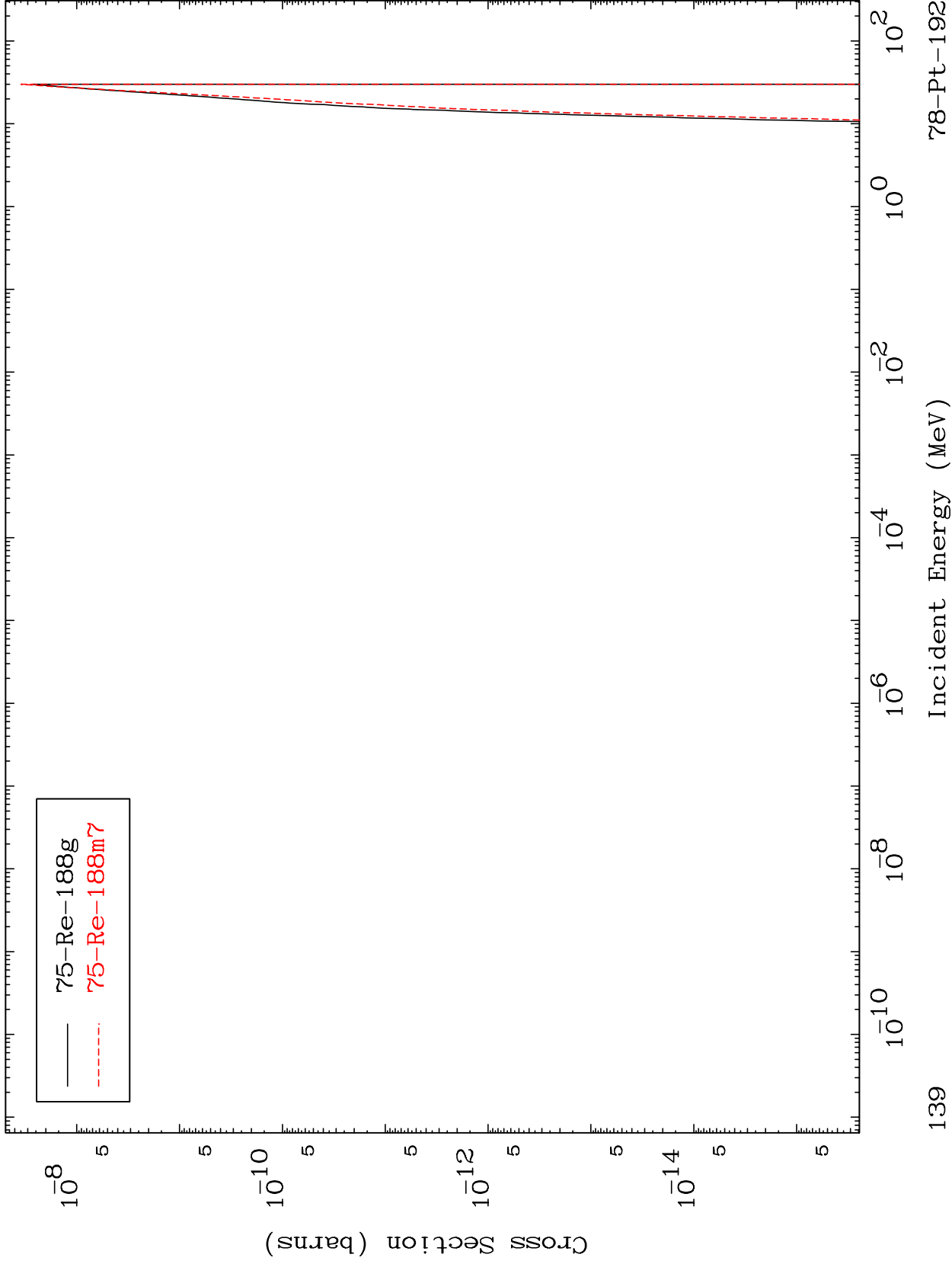
78-Pt-192

MAT 7831

(n,p)  $\alpha$

78-Pt-192

Radionuclide Production Cross Section

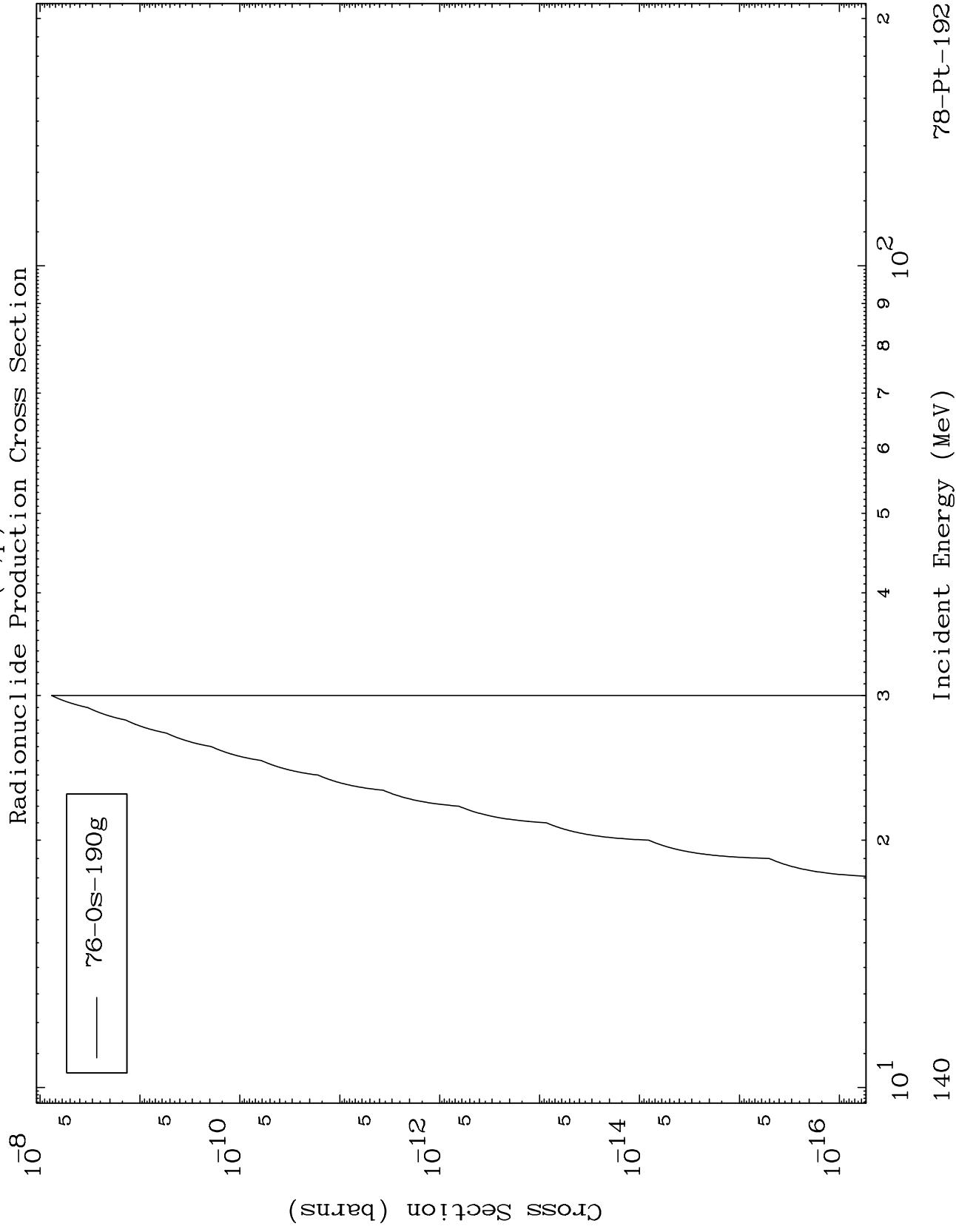


MAT 7831

(n,p) d

78-Pt-192

Radionuclide Production Cross Section



Incident Energy (MeV)

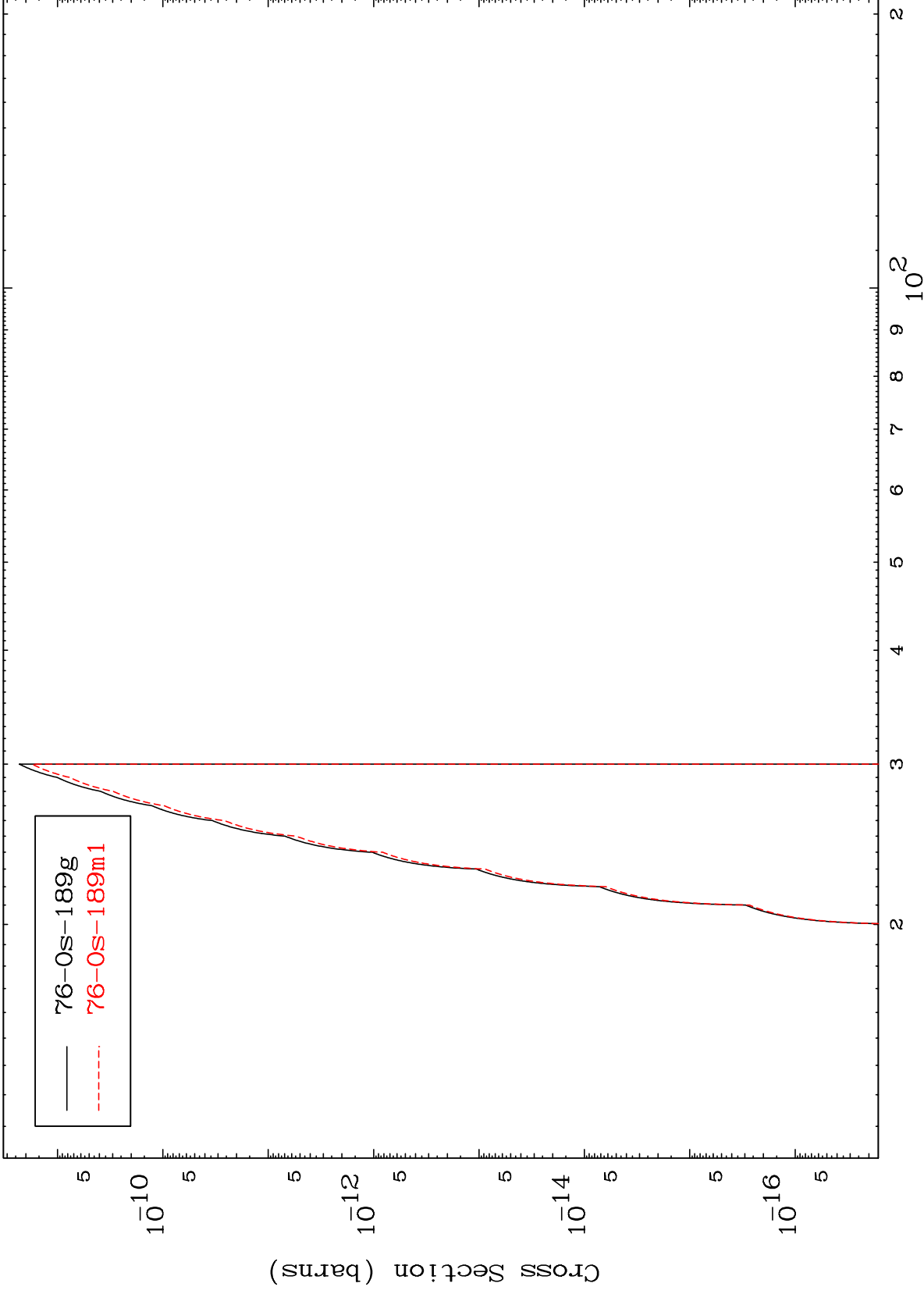
78-Pt-192

MAT 7831

(n,p) t

78-Pt-192

Radionuclide Production Cross Section



141

Incident Energy (MeV)

78-Pt-192