

Program EVALPLOT
(Version 2018-1)

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

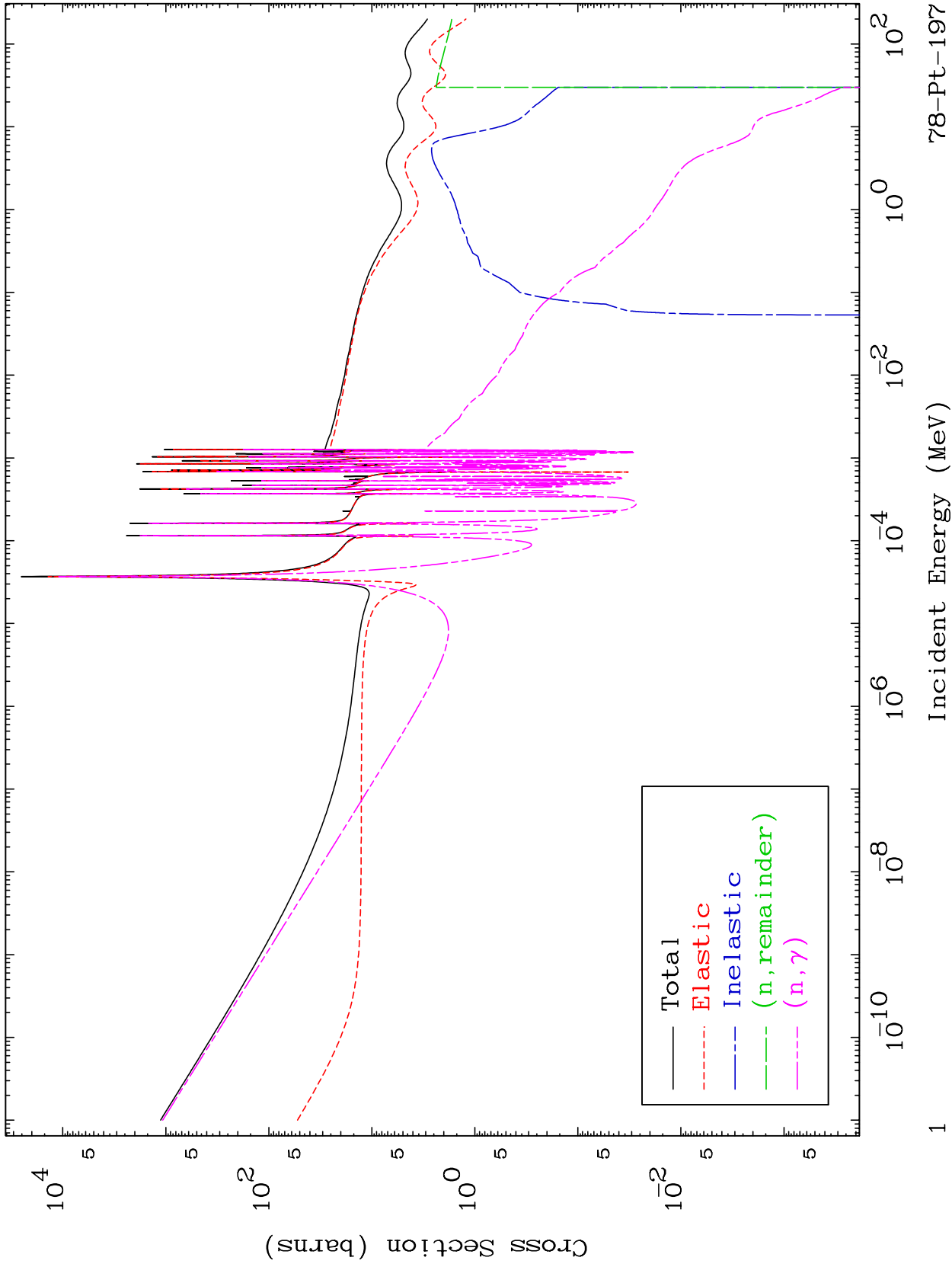
Press Mouse Button to Start

MAT 7846

Major

293 Kelvin Cross Sections

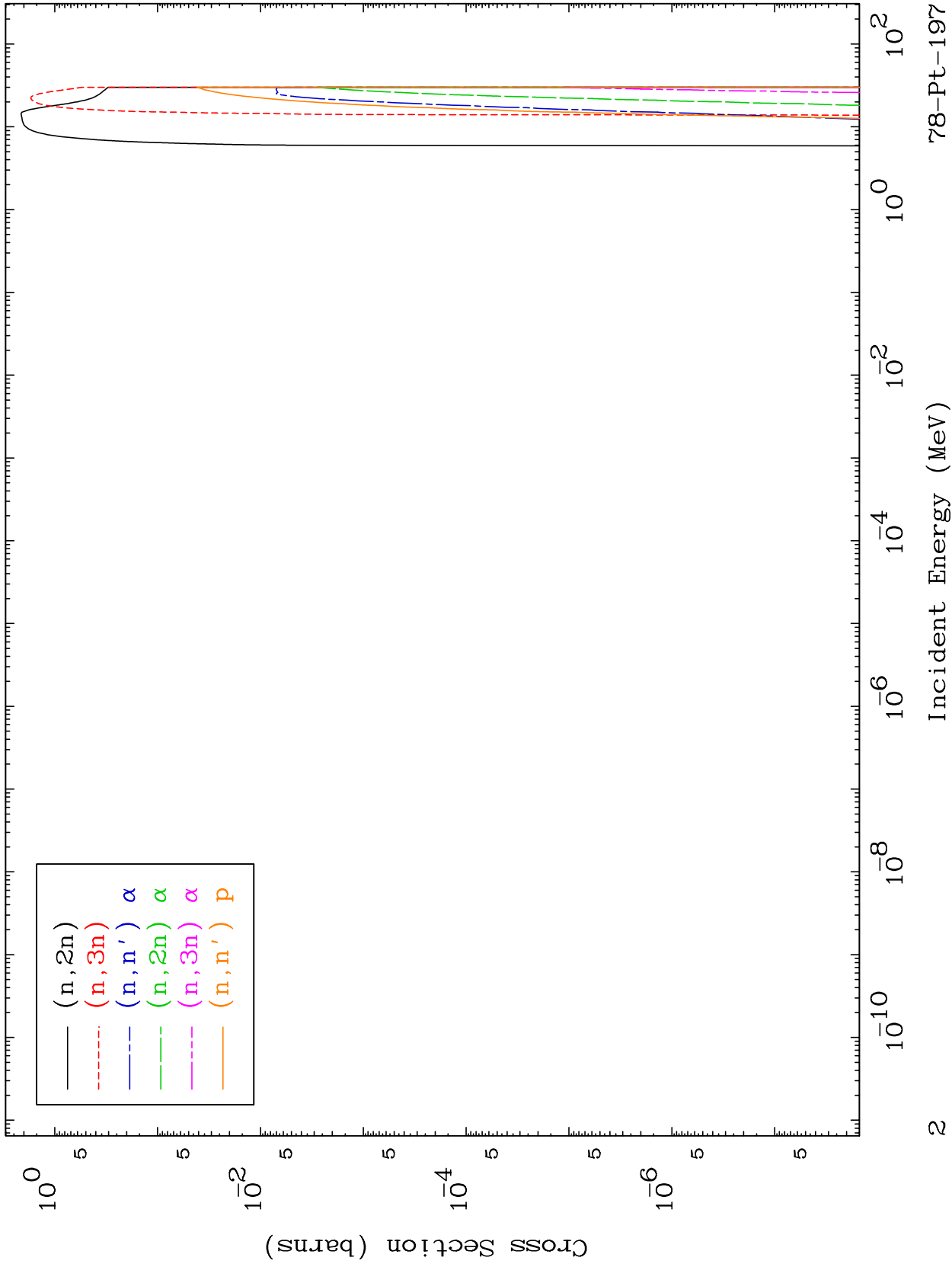
78-Pt-197

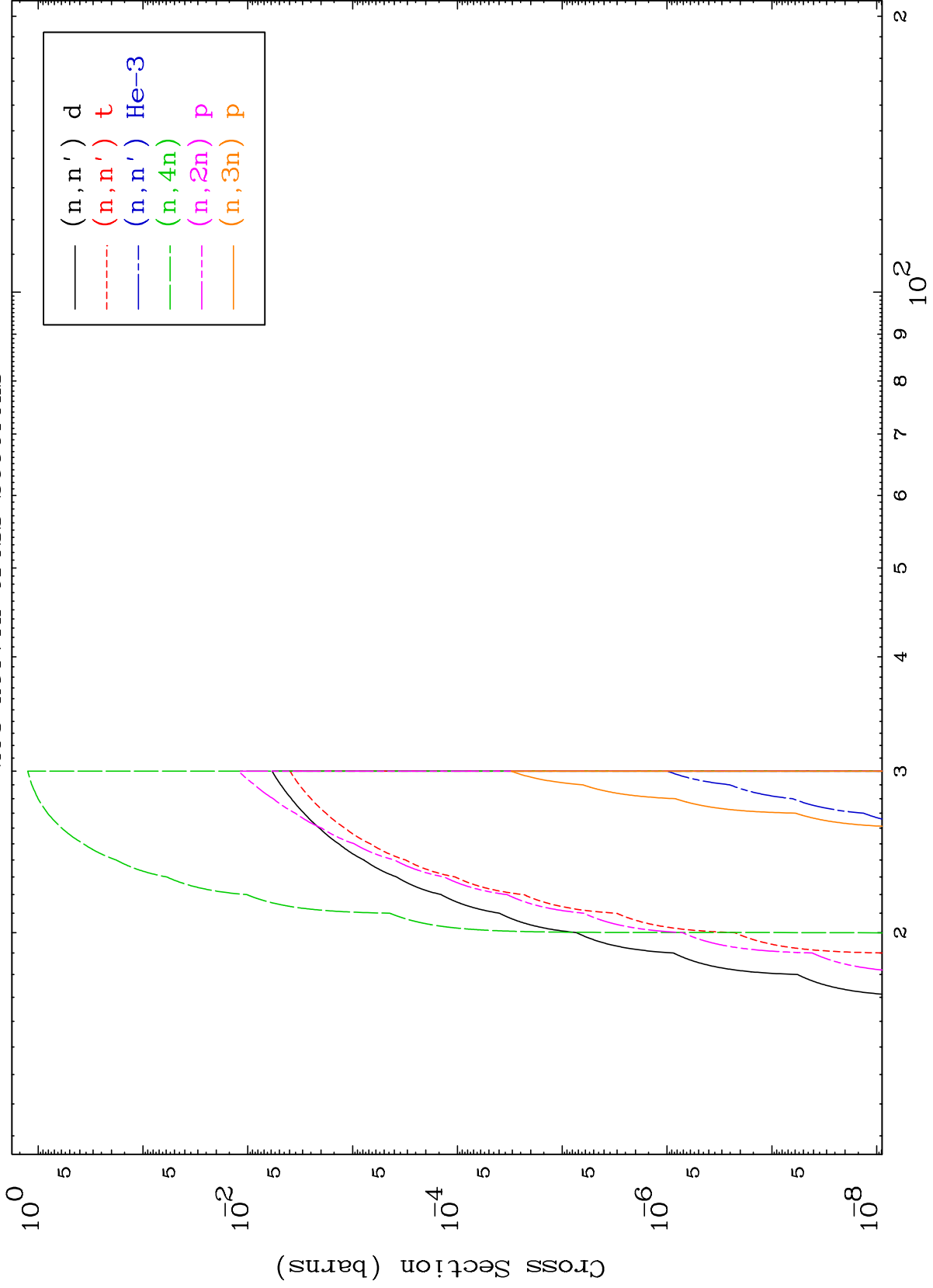


MAT 7846

Neutron Production
293 Kelvin Cross Sections

78-Pt-197

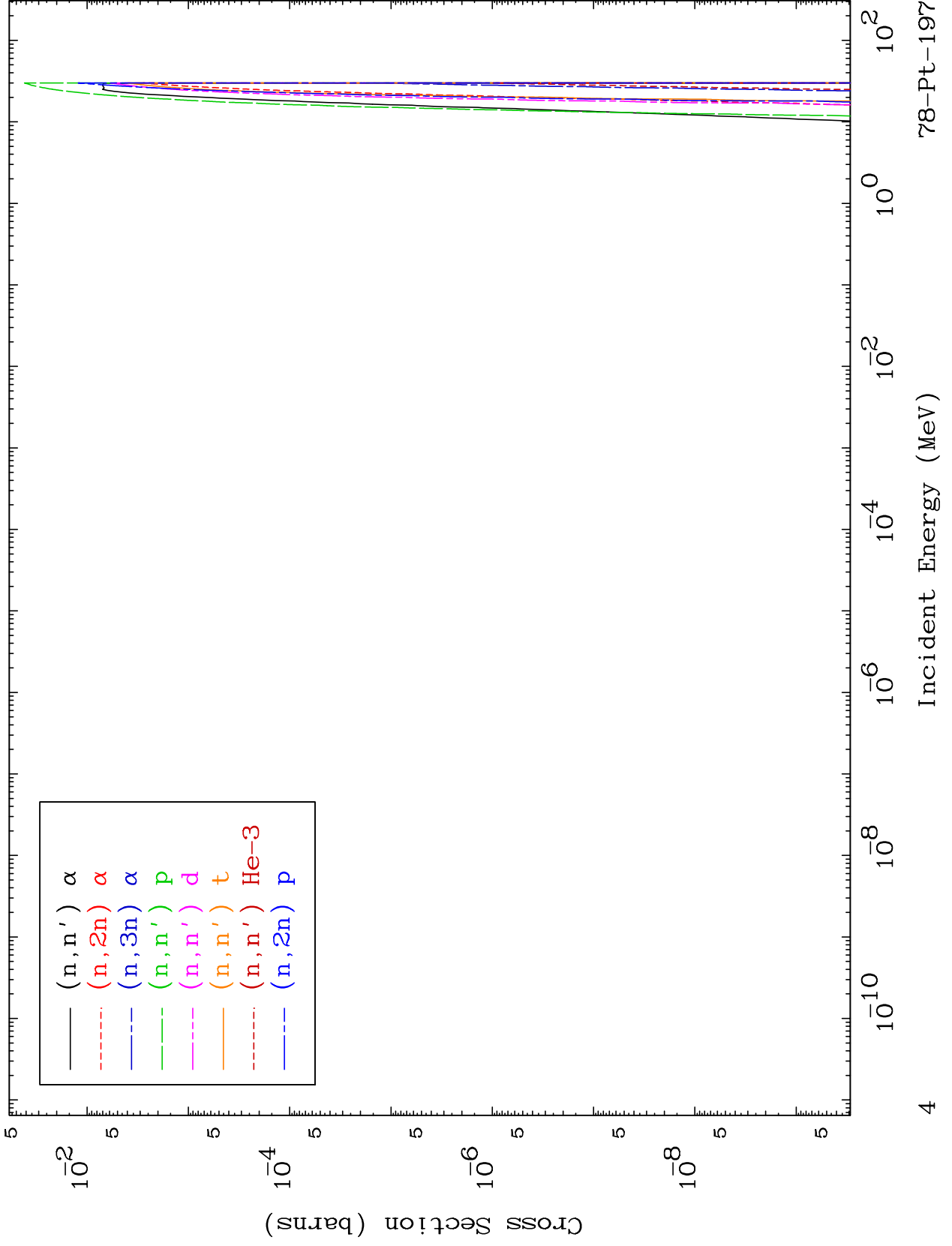




MAT 7846

Charged Particle
293 Kelvin Cross Sections

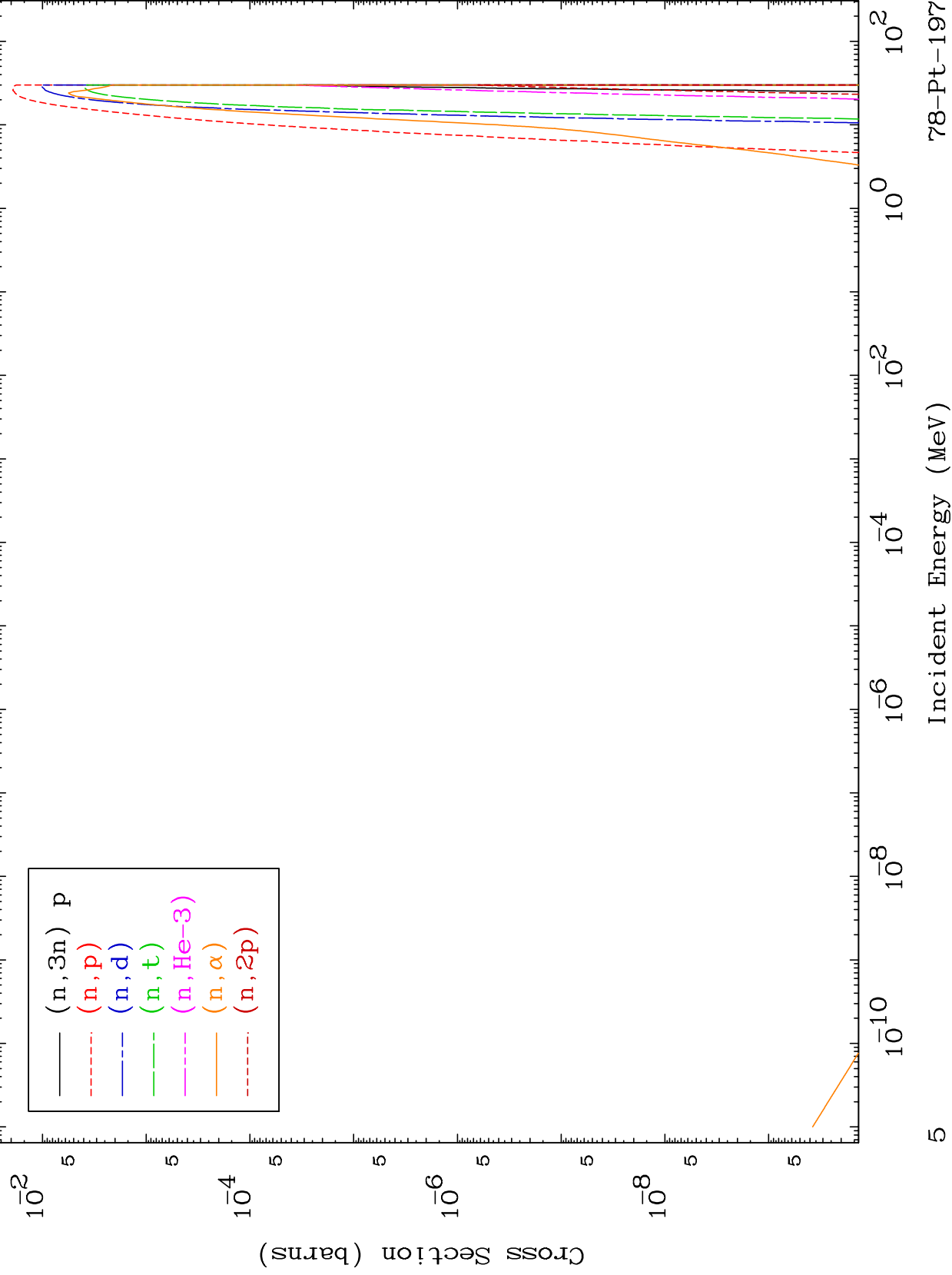
78-Pt-197



MAT 7846

Charged Particle
293 Kelvin Cross Sections

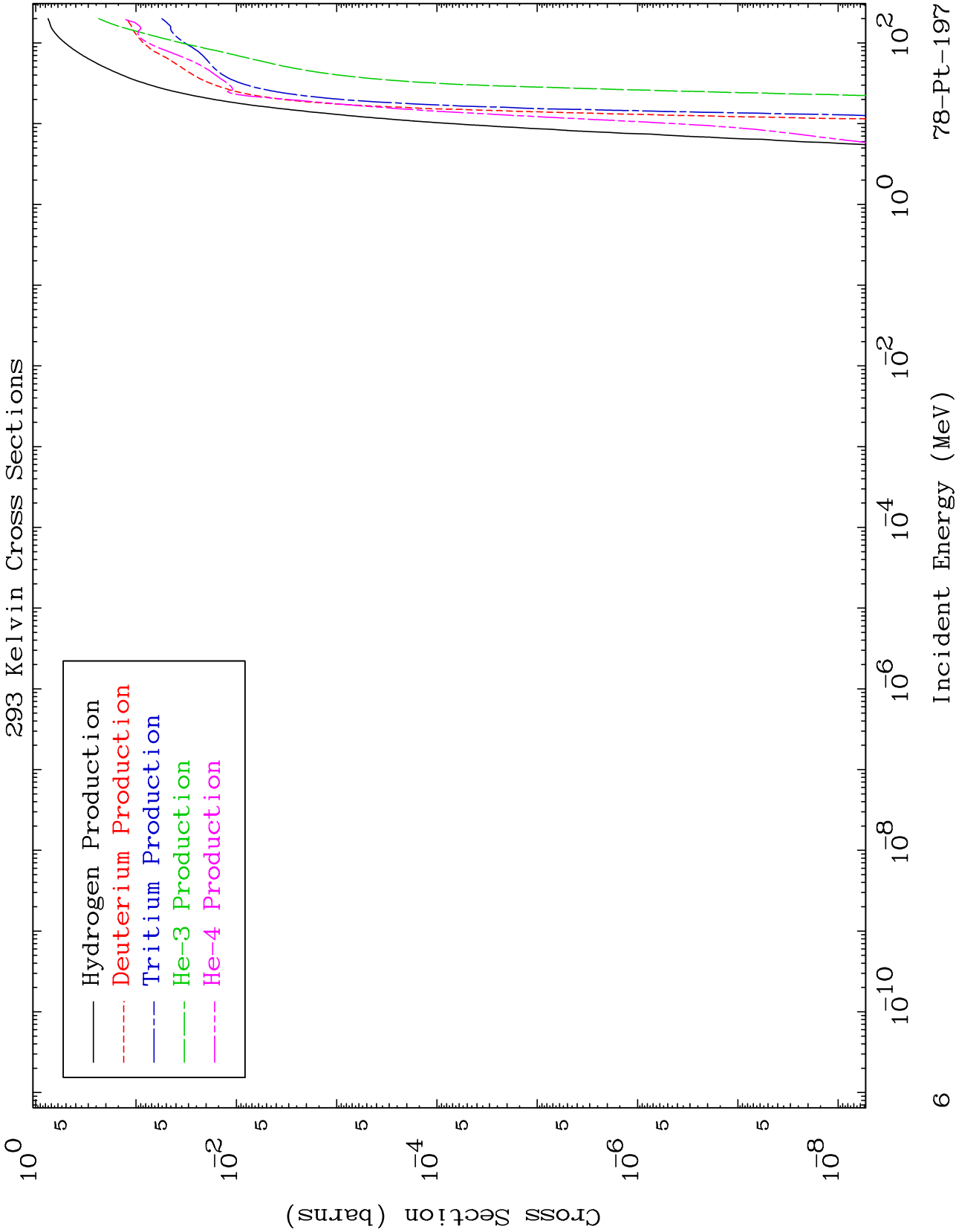
78-Pt-197



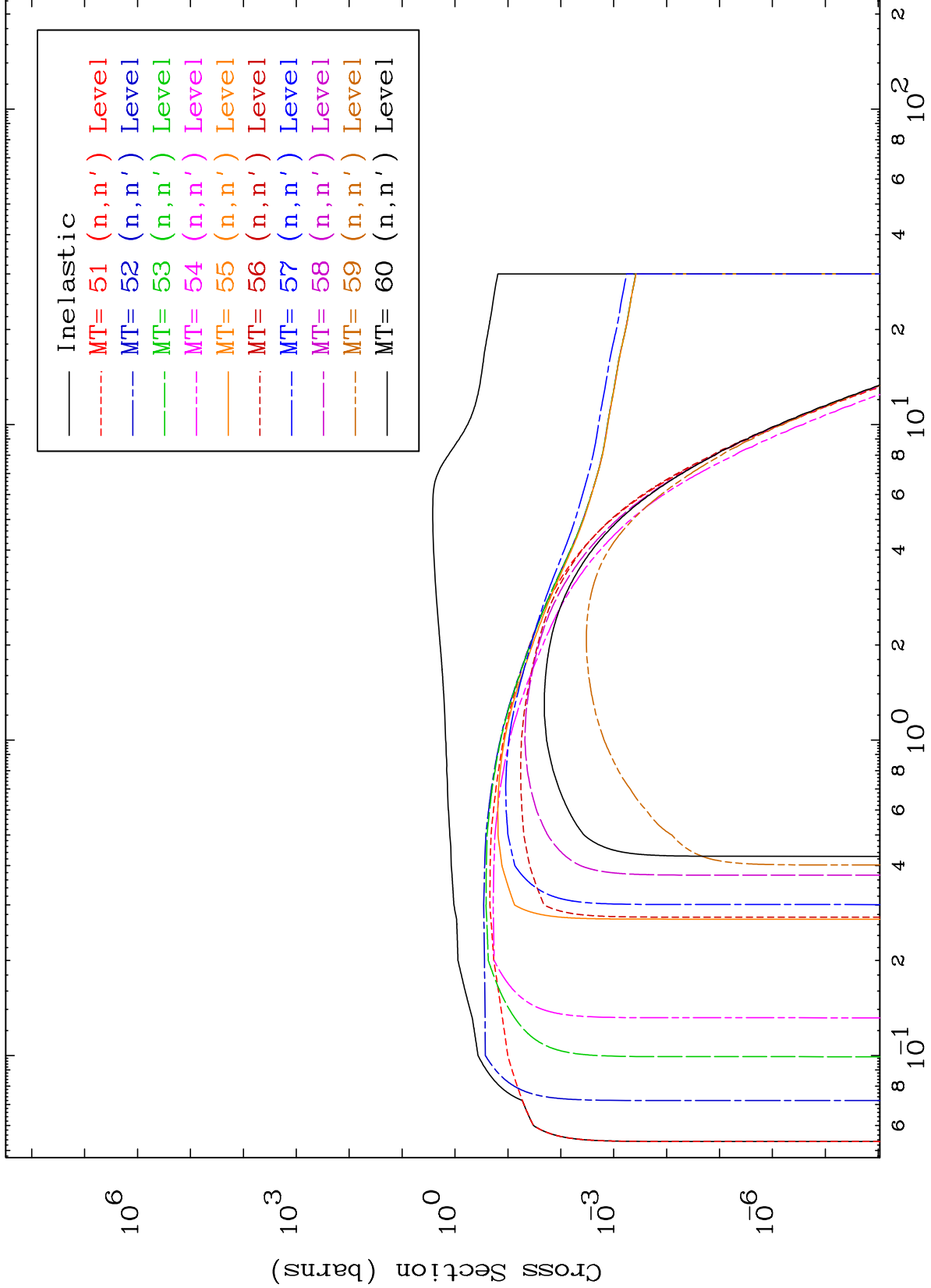
MAT 7846

Particle Production
293 Kelvin Cross Sections

78-Pt-197



293 Kelvin Cross Sections

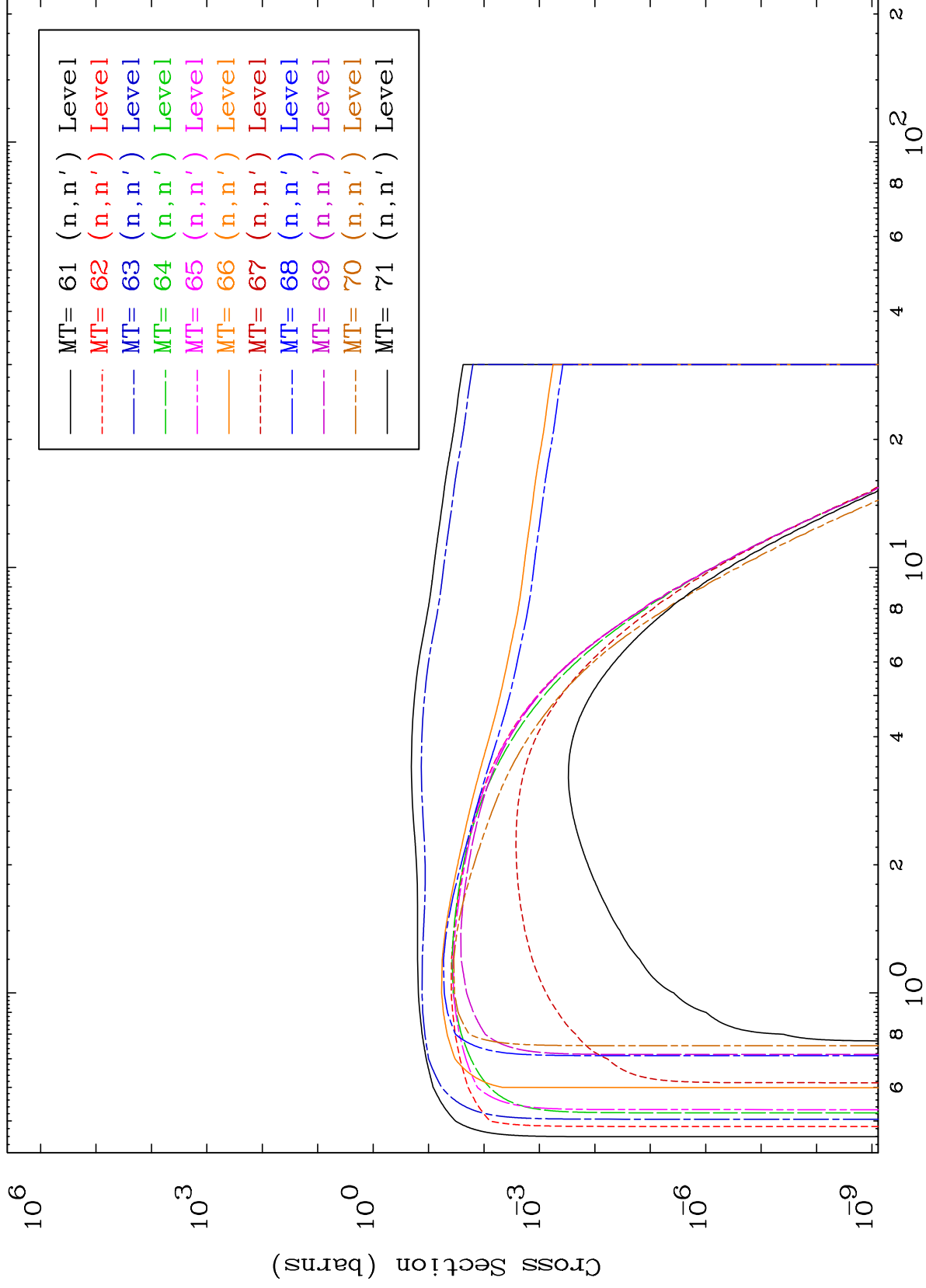


MAT 7846

(n,n') Level

78-Pt-197

293 Kelvin Cross Sections



8

Incident Energy (MeV)

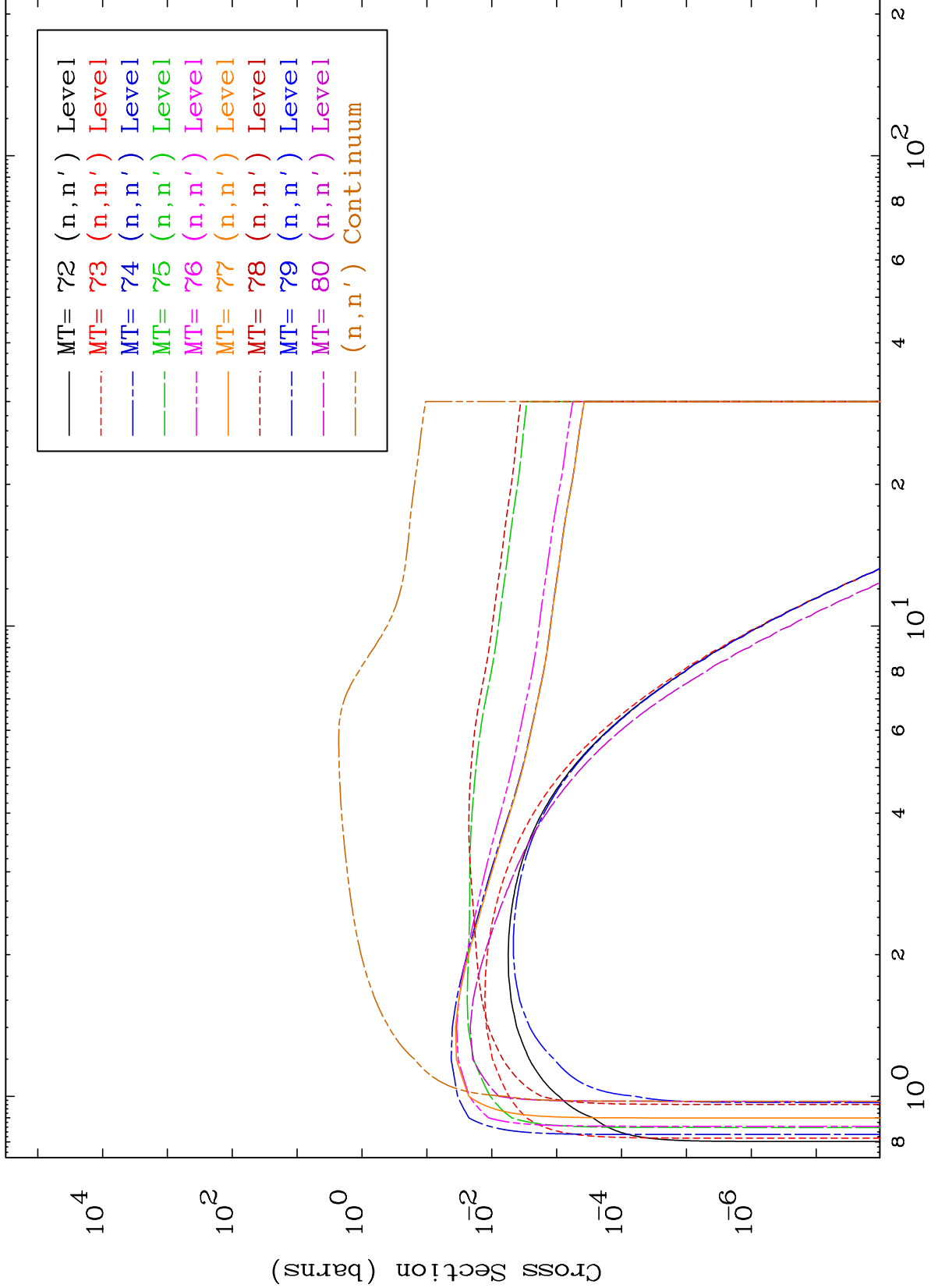
78-Pt-197

MAT 7846

(n,n') Level

78-Pt-197

293 Kelvin Cross Sections



9

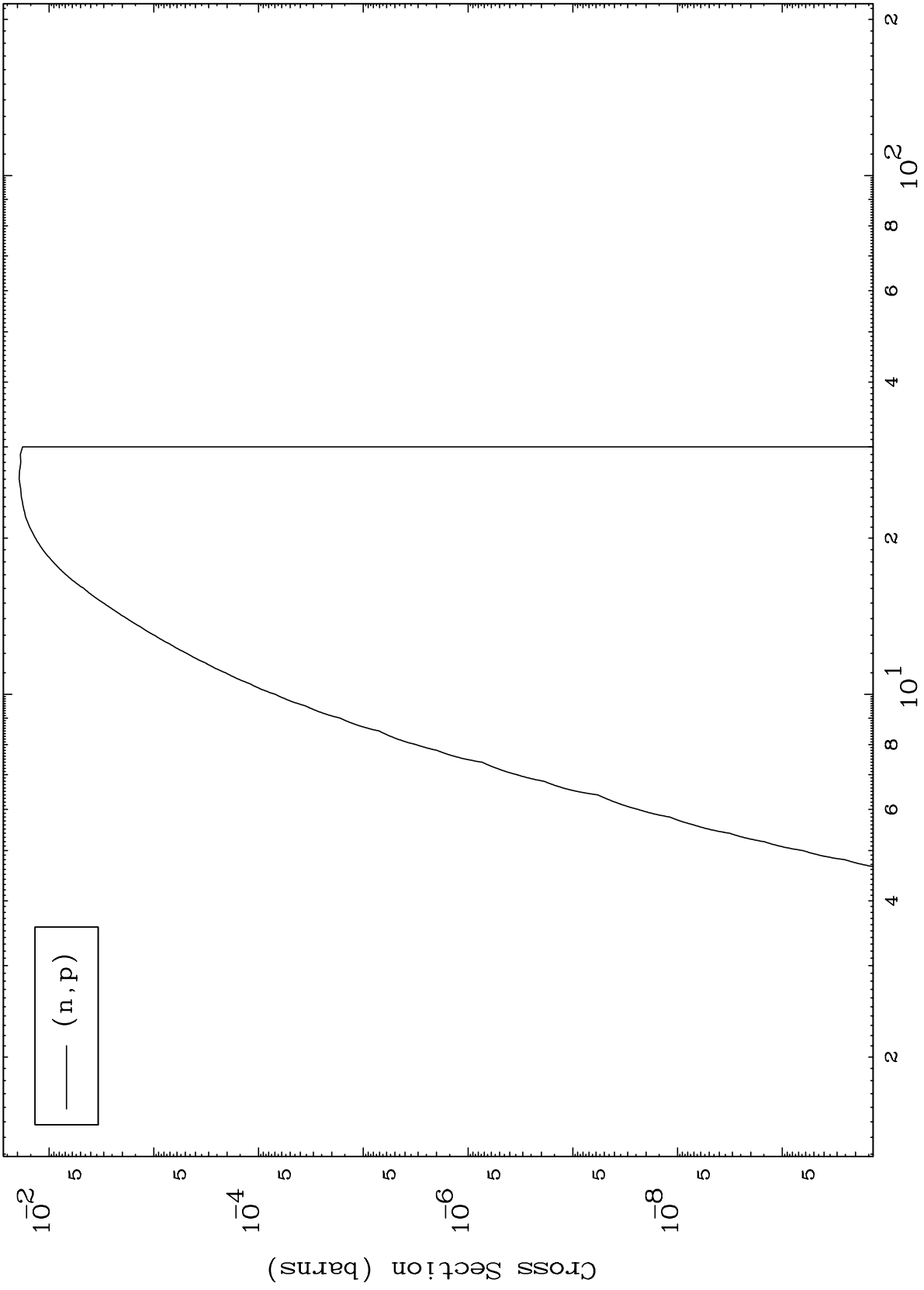
Incident Energy (MeV)

78-Pt-197

MAT 7846

(n,p) Levels
293 Kelvin Cross Sections

78-Pt-197



10

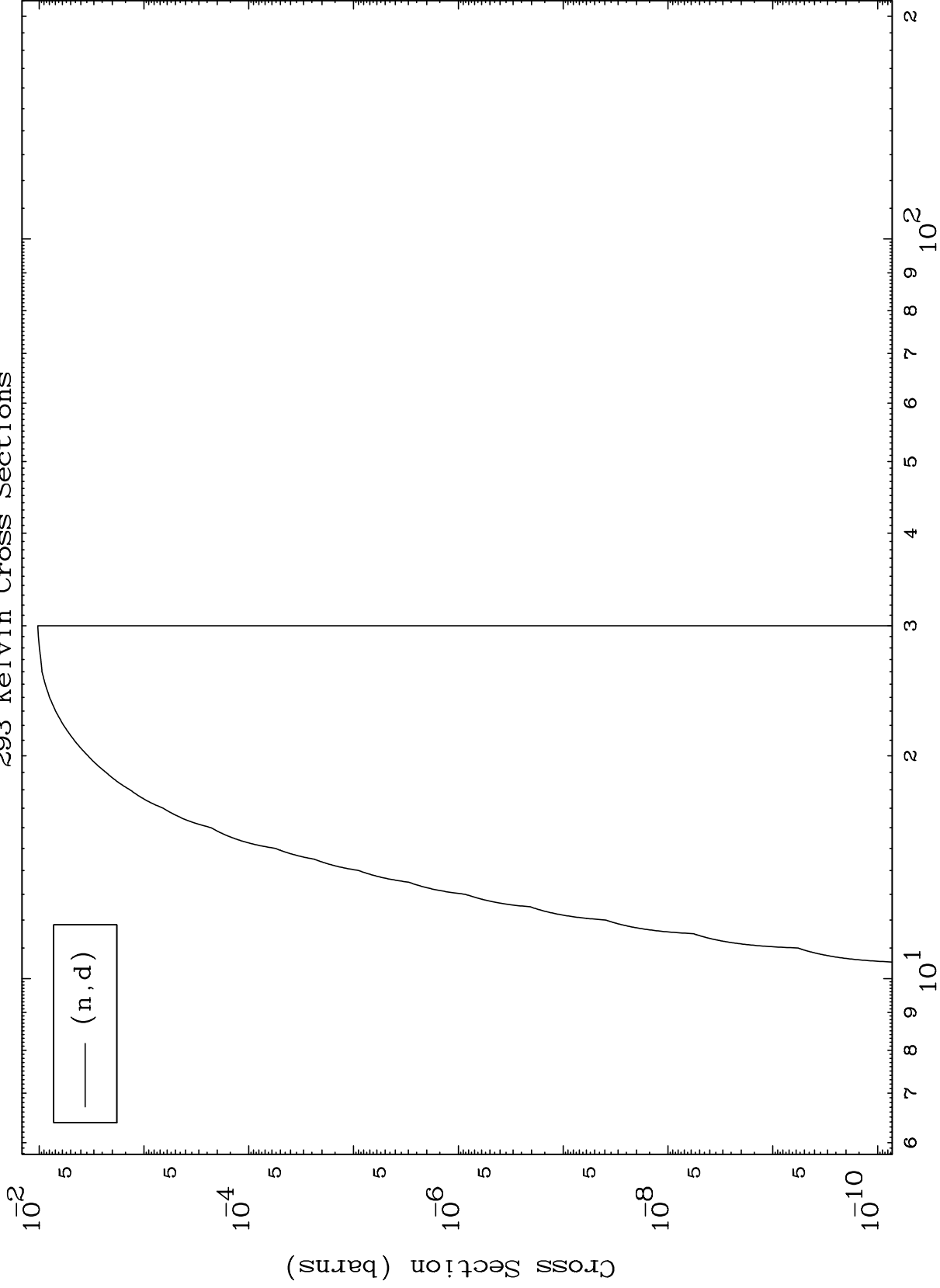
Incident Energy (MeV)

78-Pt-197

MAT 7846

(n,d) Levels
293 Kelvin Cross Sections

78-Pt-197



11

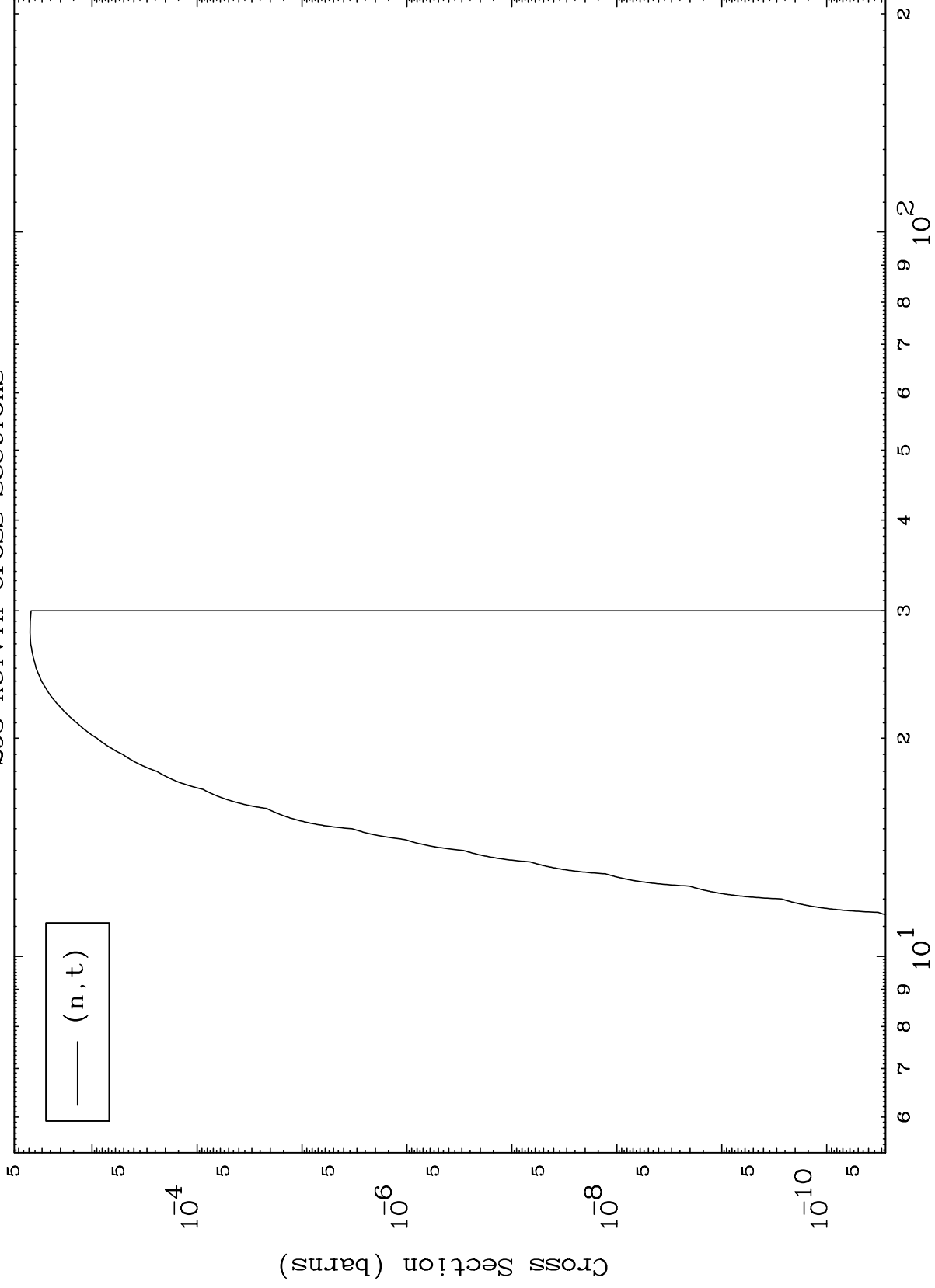
Incident Energy (MeV)

78-Pt-197

MAT 7846

(n,t) Levels
293 Kelvin Cross Sections

78-Pt-197



12

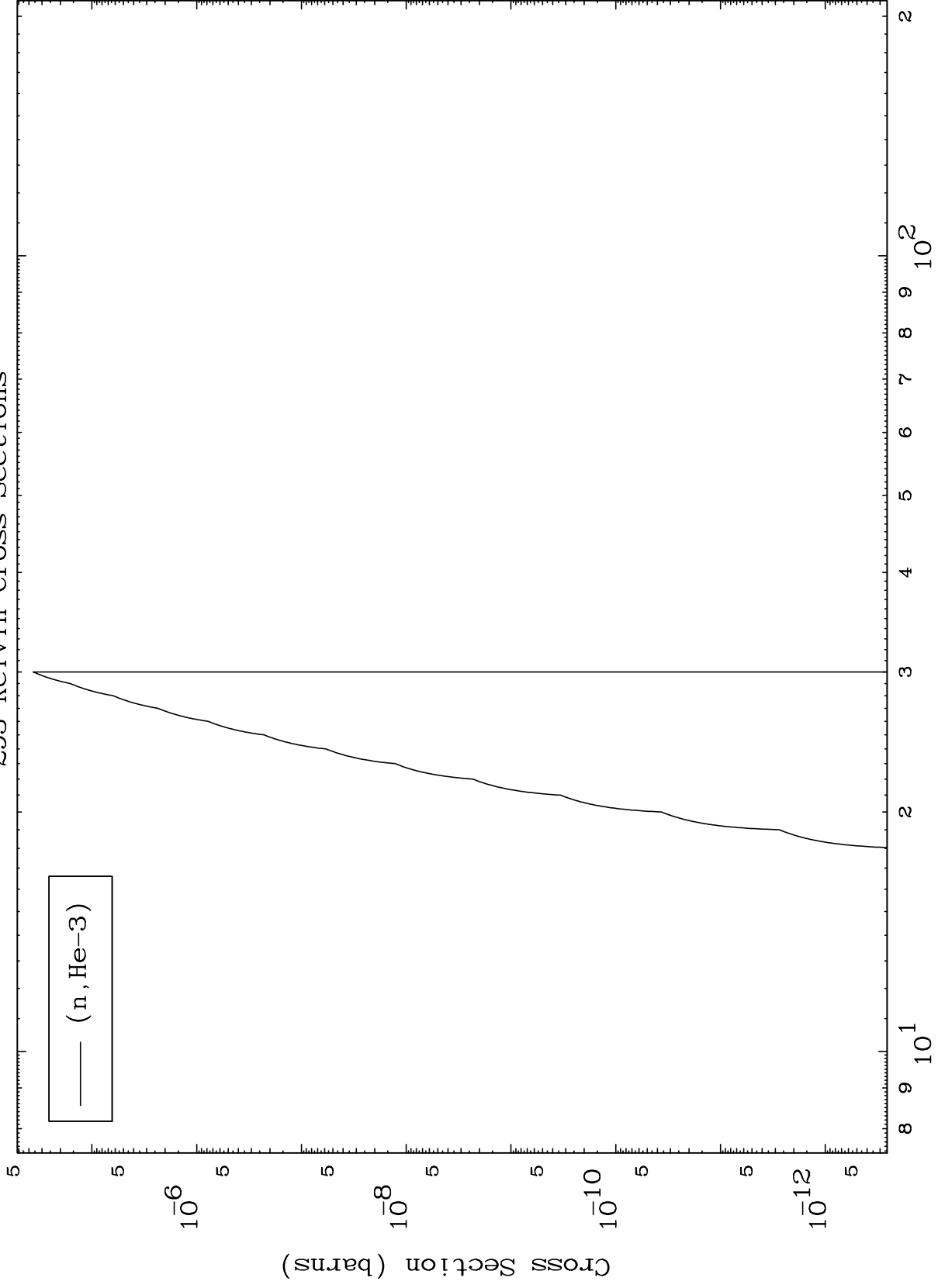
Incident Energy (MeV)

78-Pt-197

MAT 7846

(n,He3) Levels
293 Kelvin Cross Sections

78-Pt-197



13

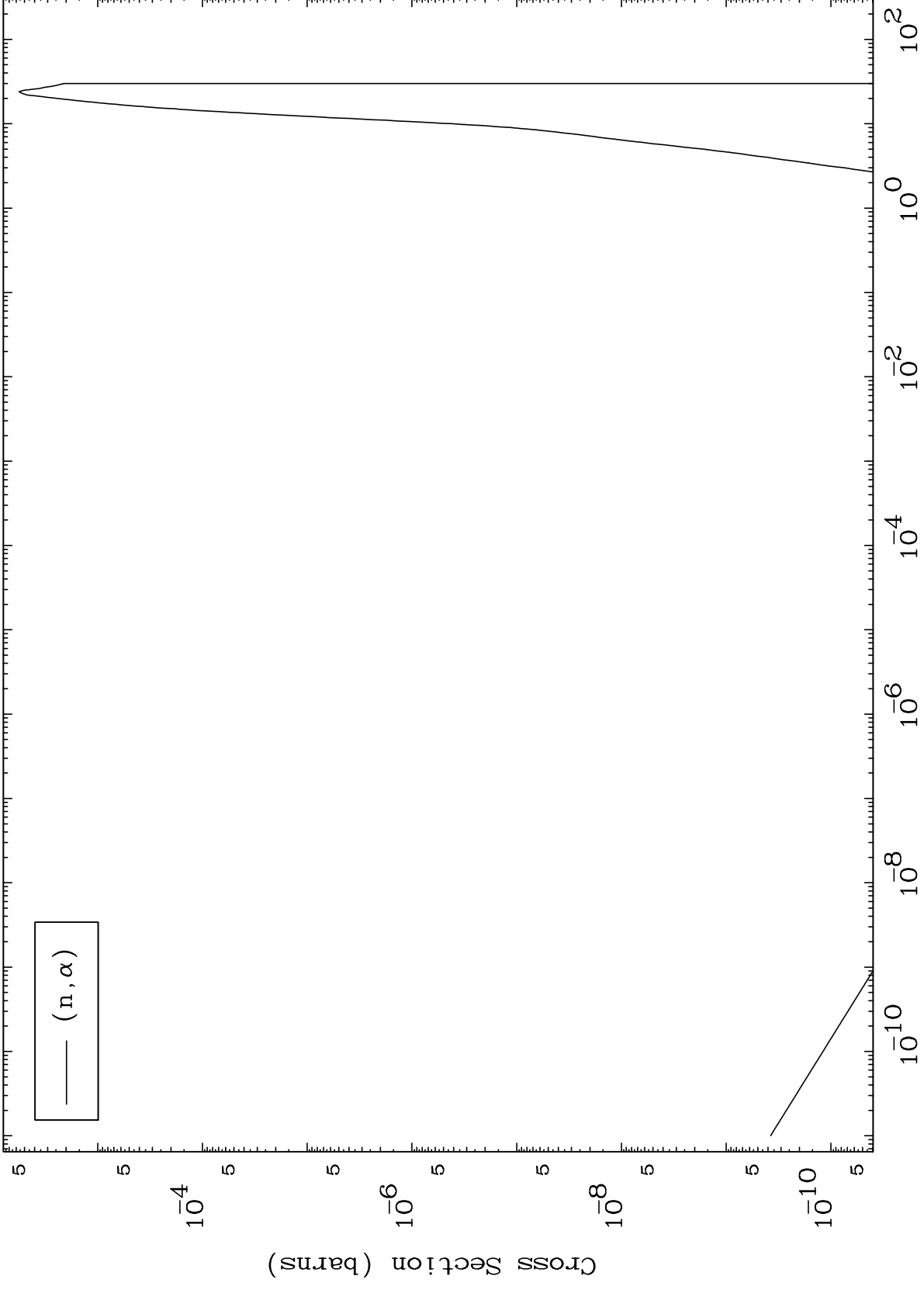
Incident Energy (MeV)

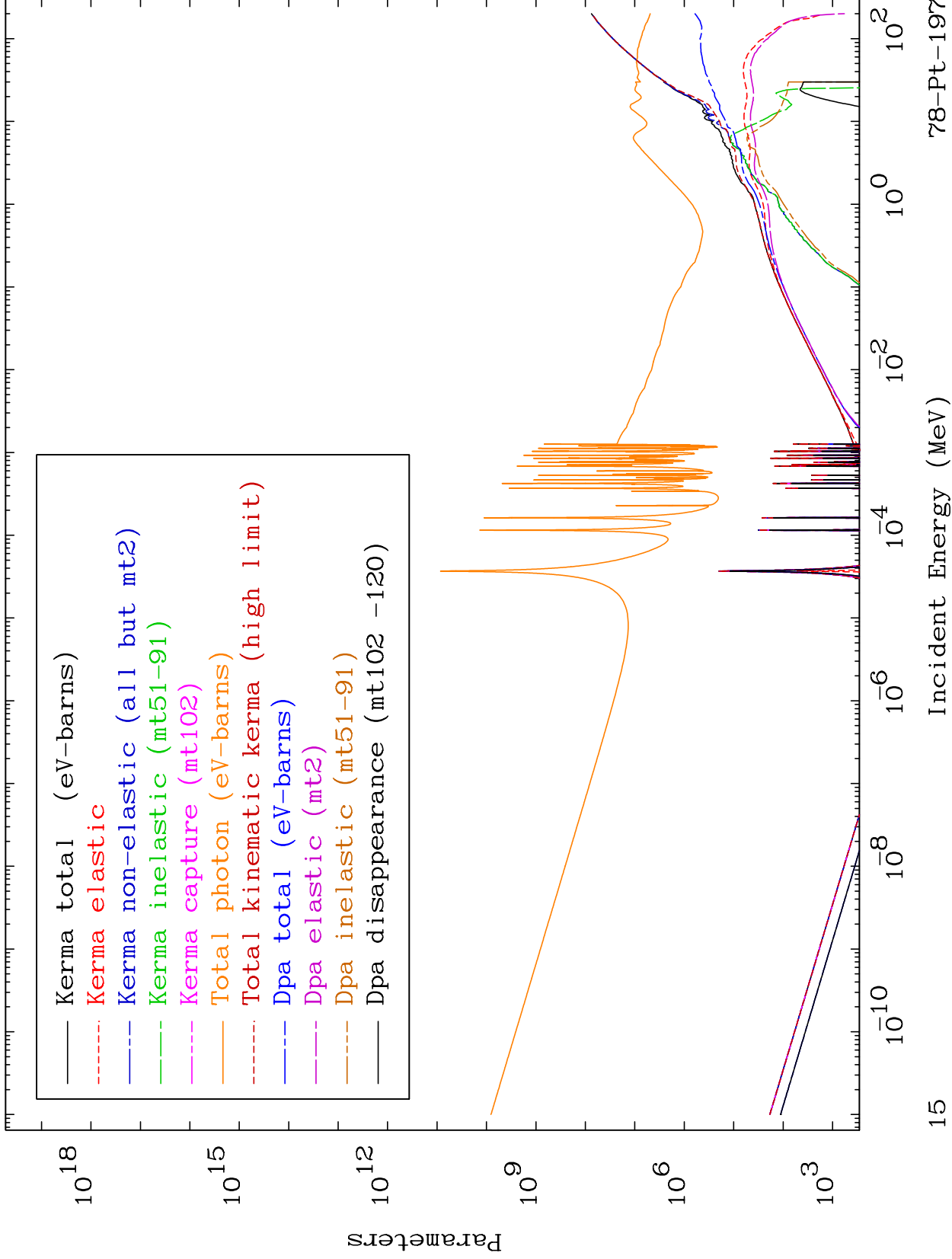
78-Pt-197

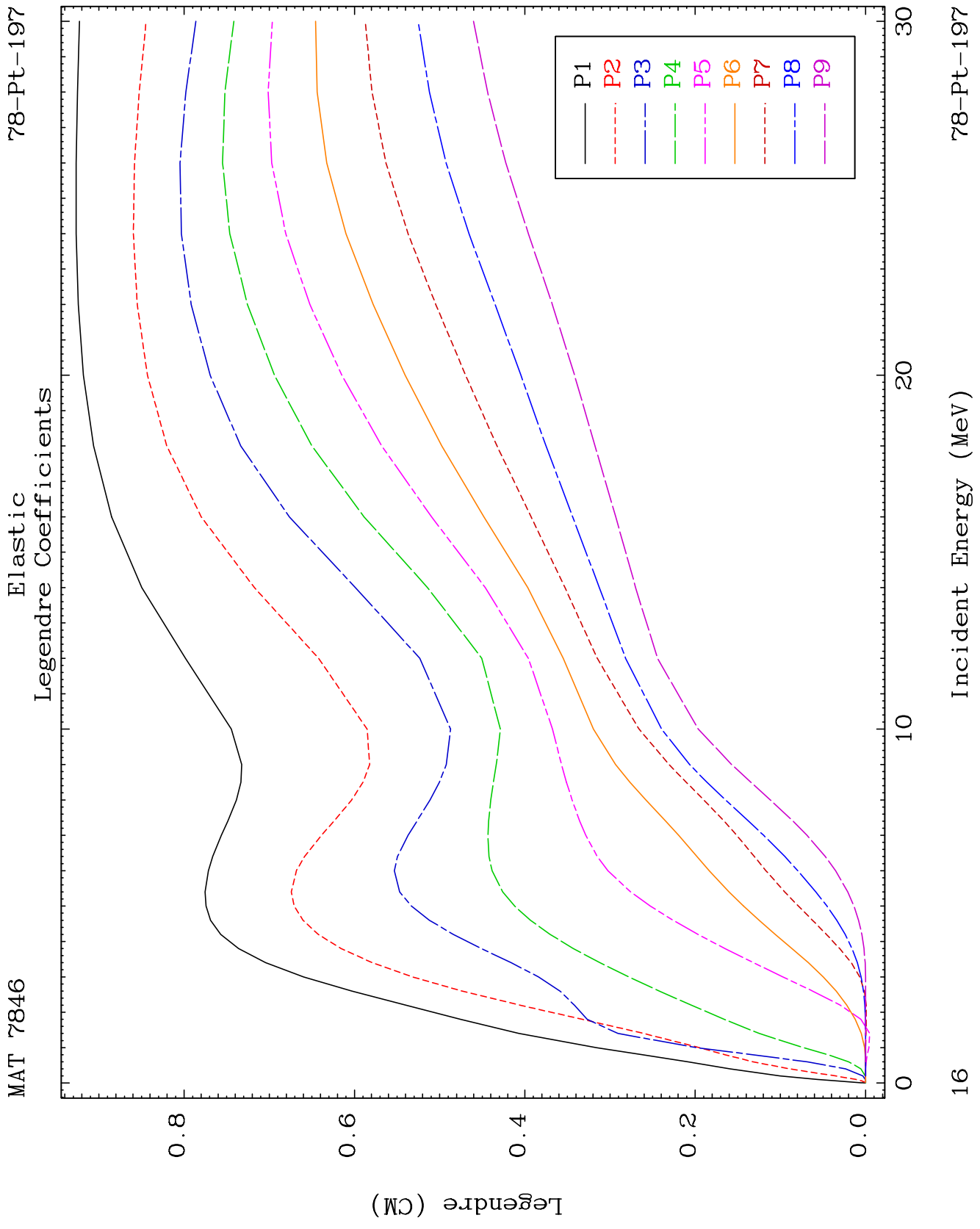
MAT 7846

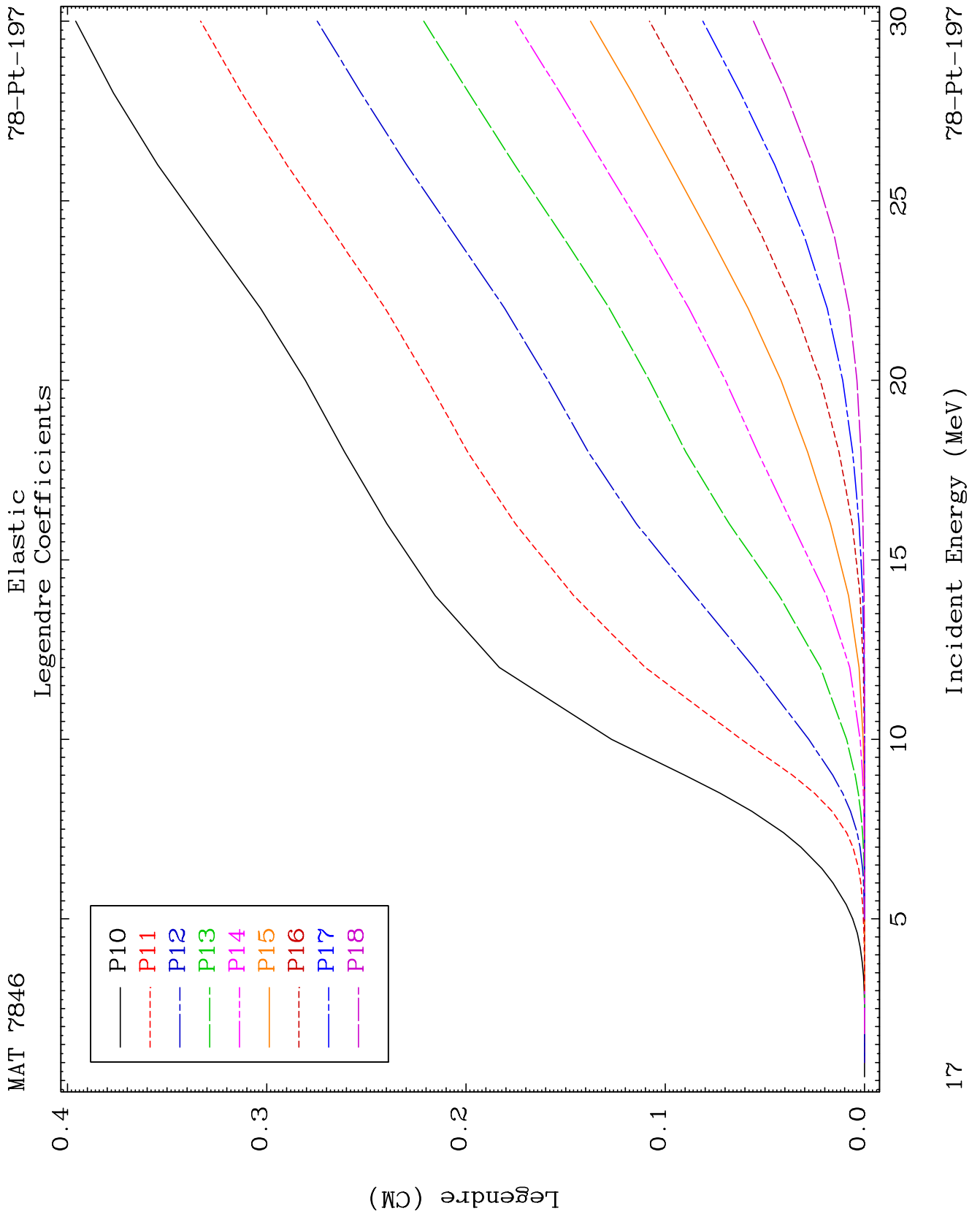
(n, α) Levels
293 Kelvin Cross Sections

78-Pt-197





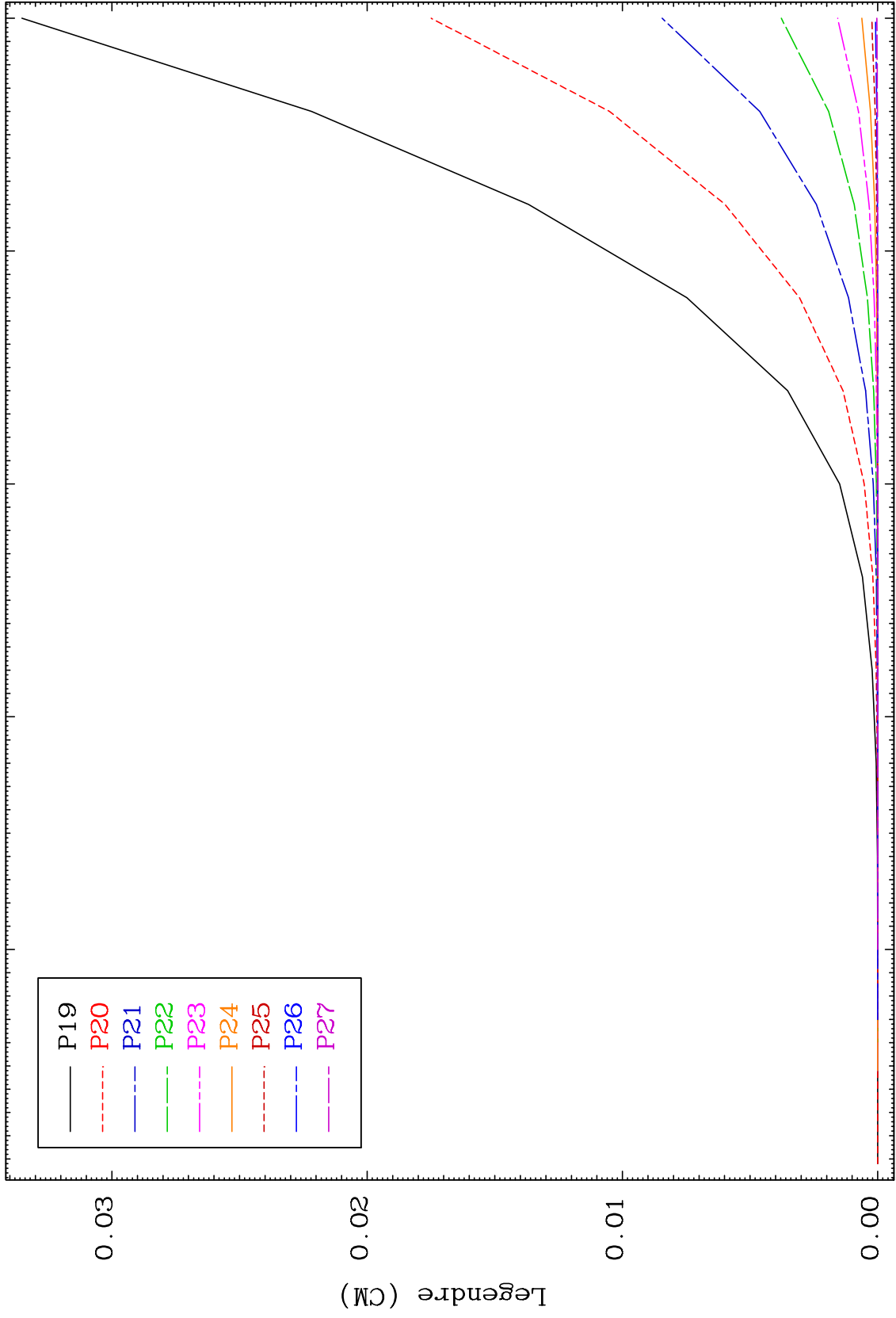




MAT 7846

Elastic Legendre Coefficients

78-Pt-197



18

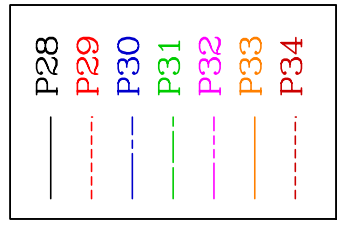
Incident Energy (MeV)

78-Pt-197

MAT 7846

Elastic Legendre Coefficients

78-Pt-197



$\times 10^{-5}$
1.0
0.8

Legendre (CM)

0.6
0.4
0.2
0.0

15

20

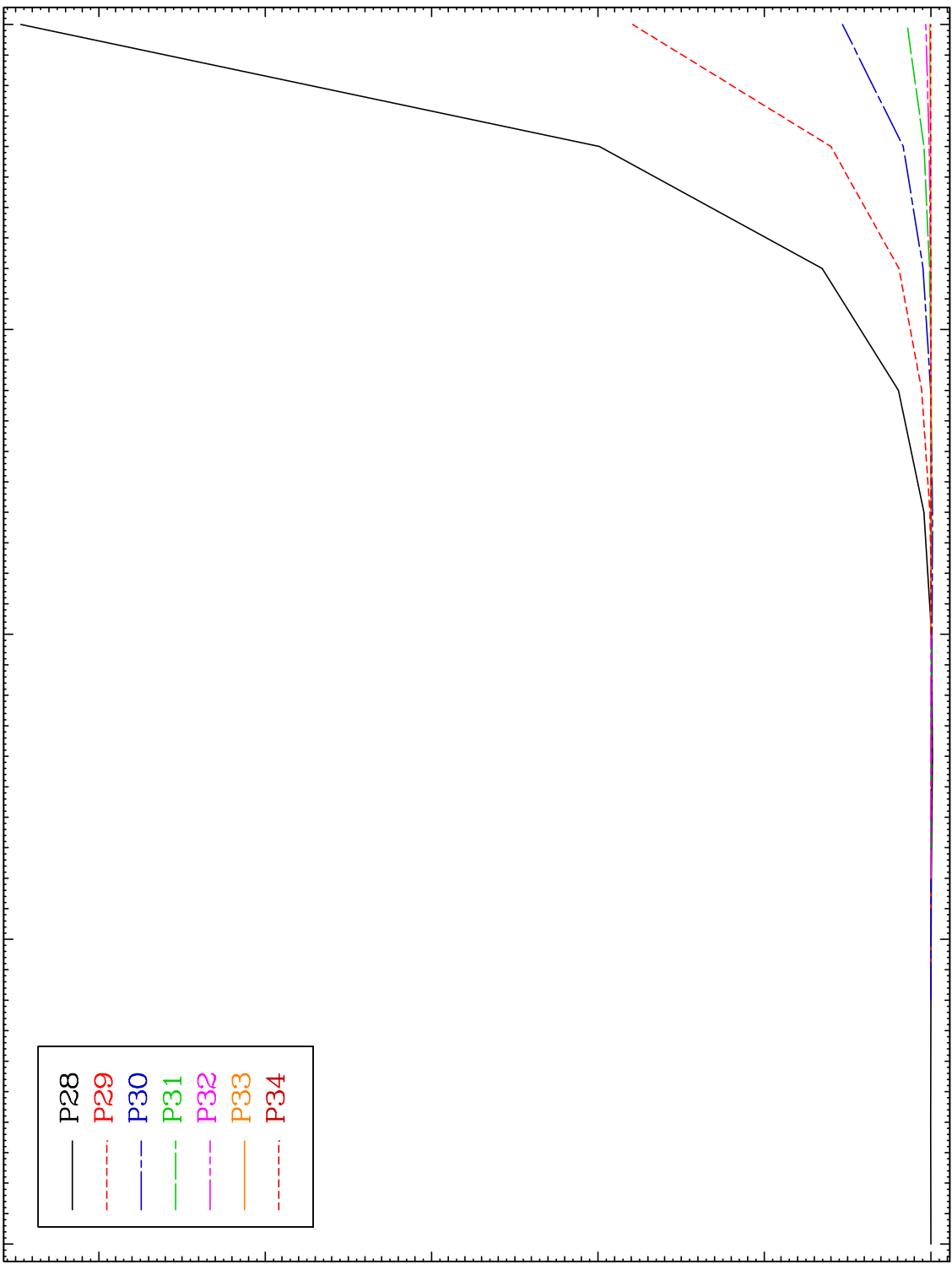
25

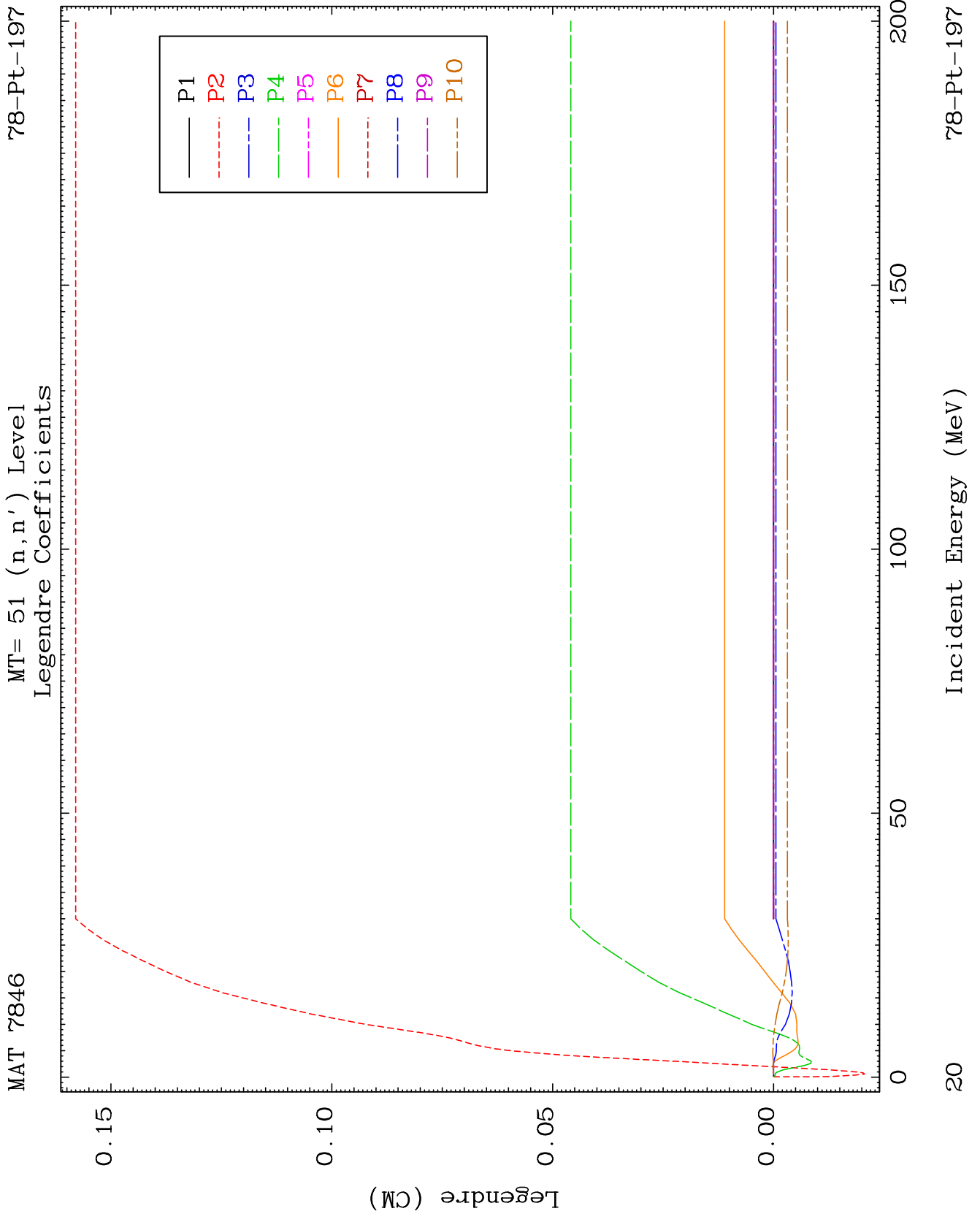
30

19

Incident Energy (MeV)

78-Pt-197

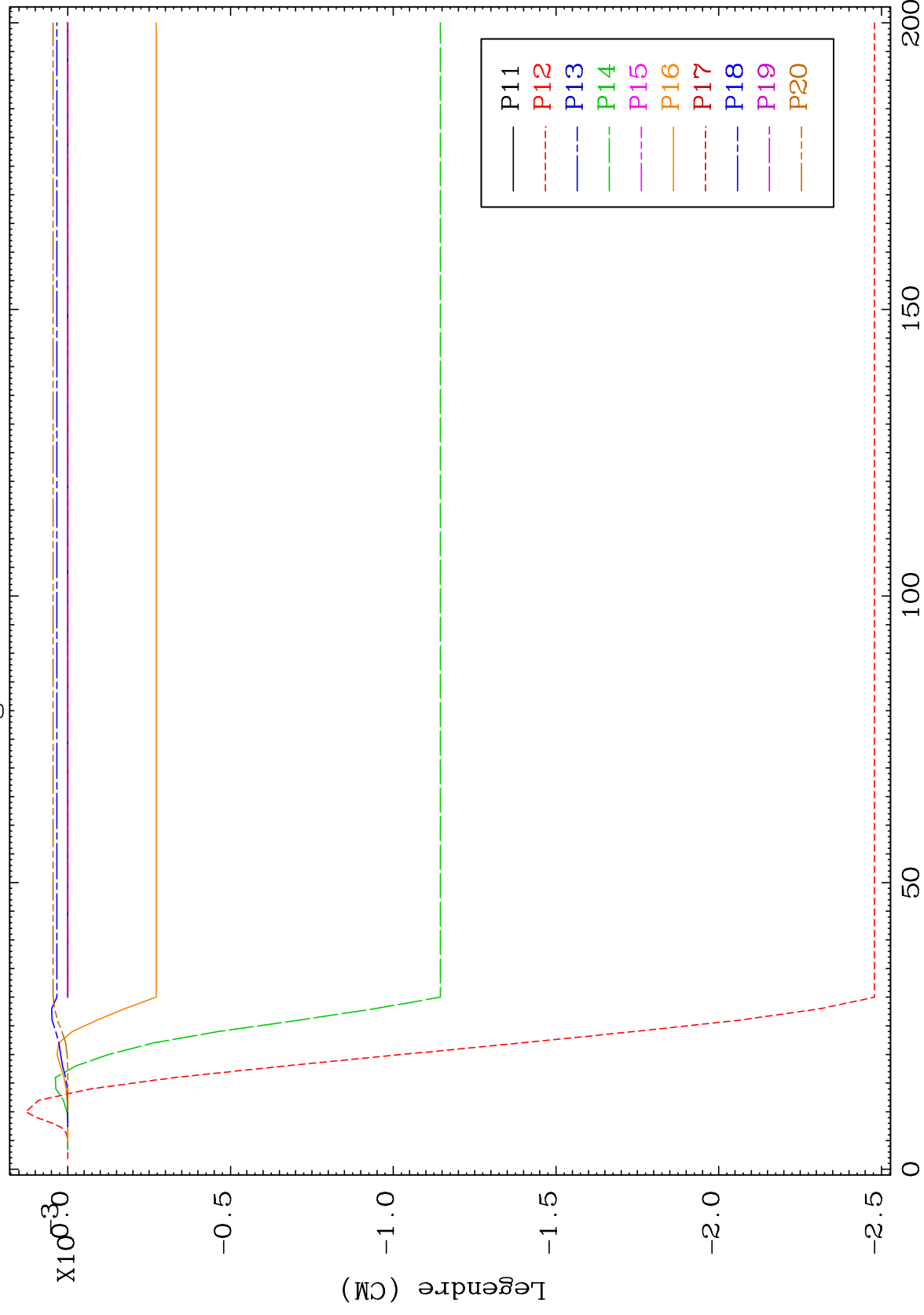


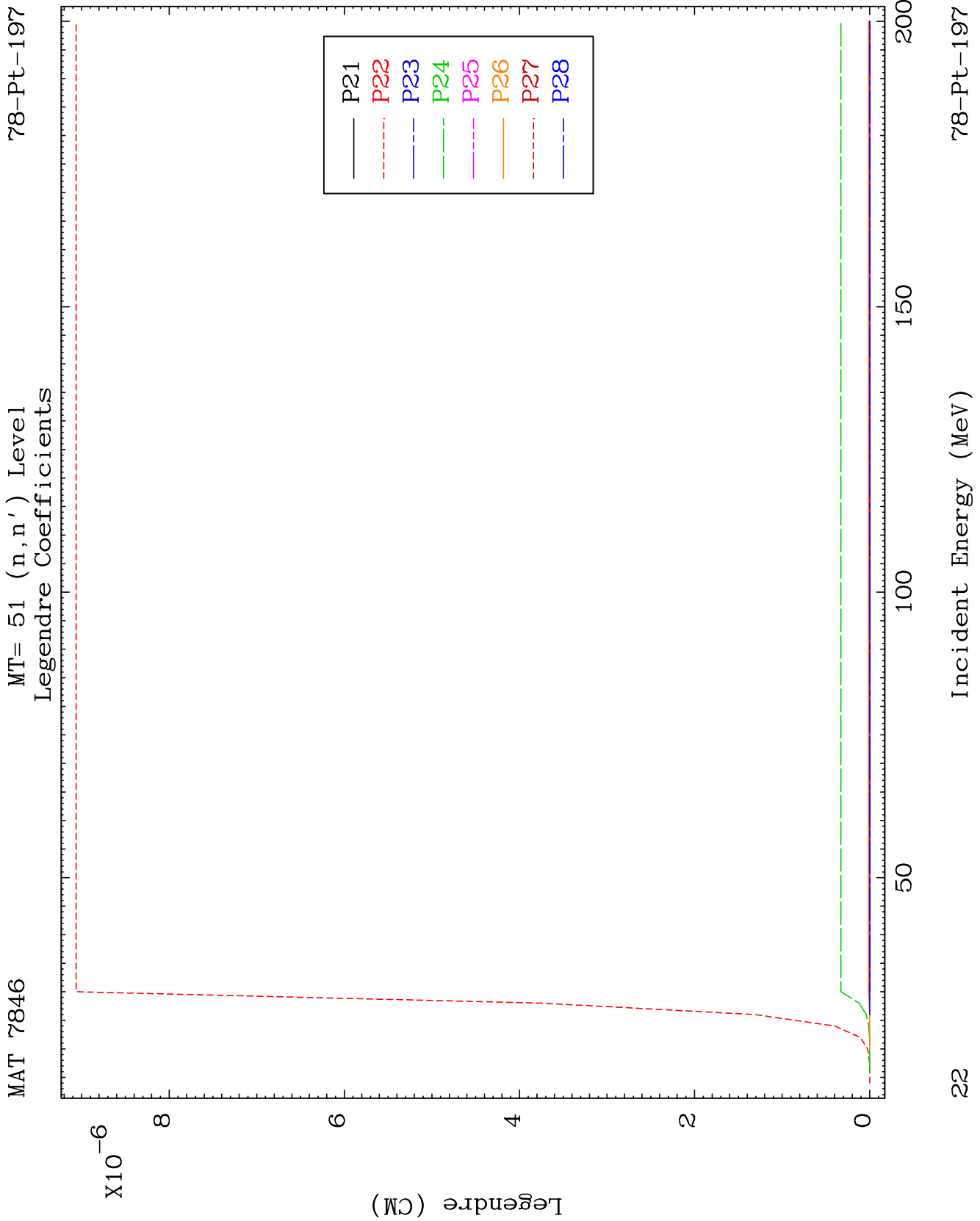


MAT 7846

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

78-Pt-197

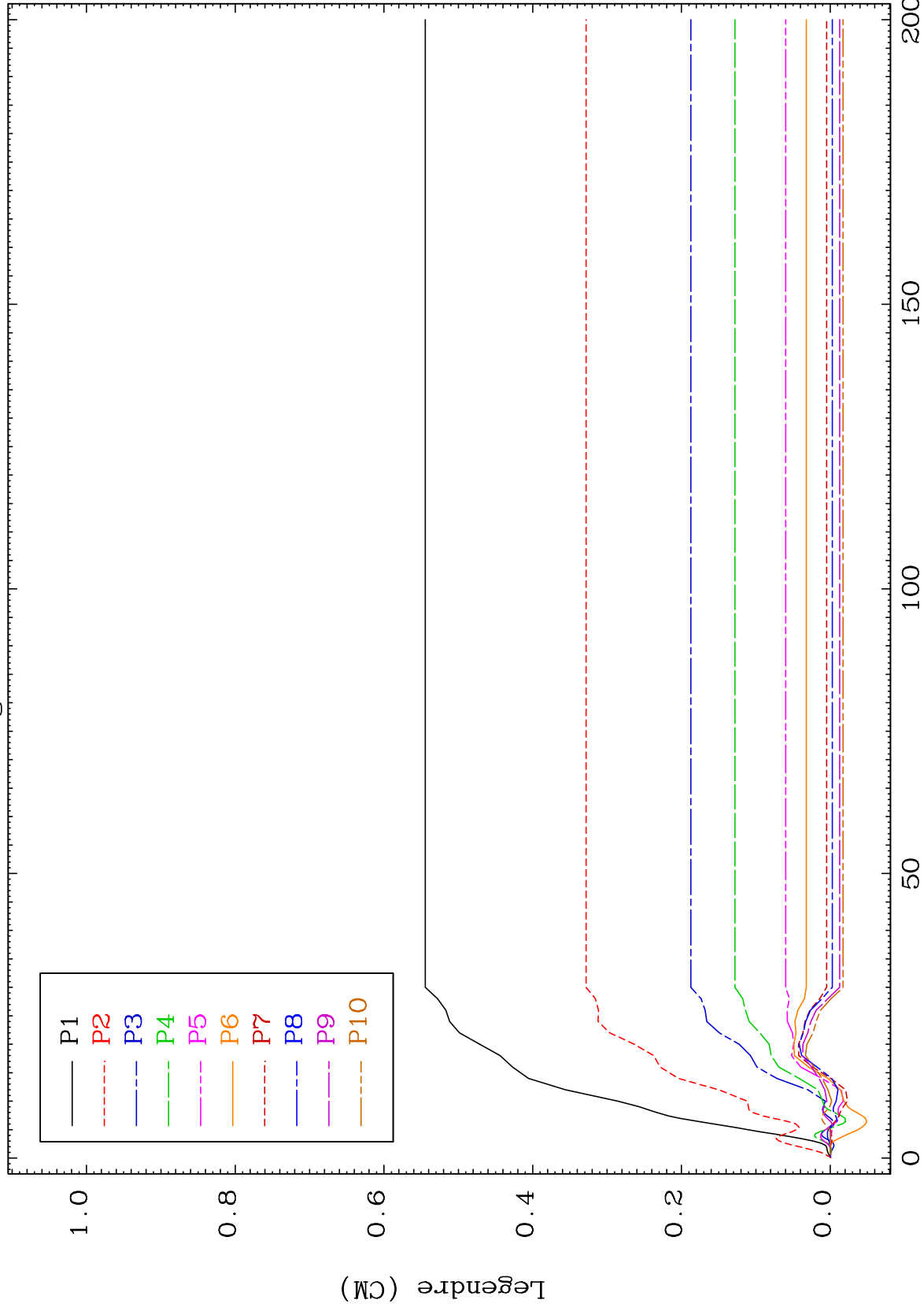




MAT 7846

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

78-Pt-197



23

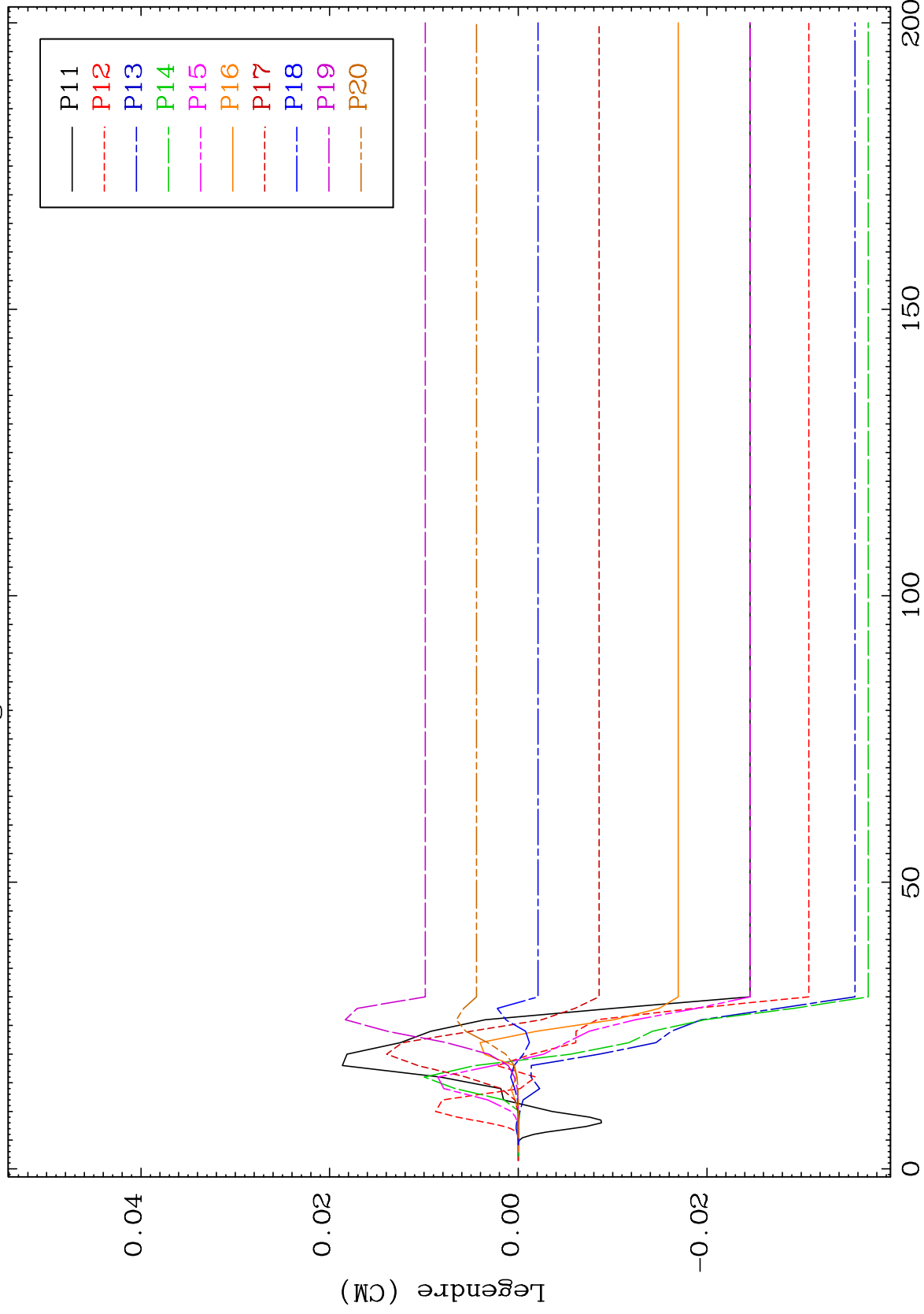
Incident Energy (MeV)

78-Pt-197

MAT 7846

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

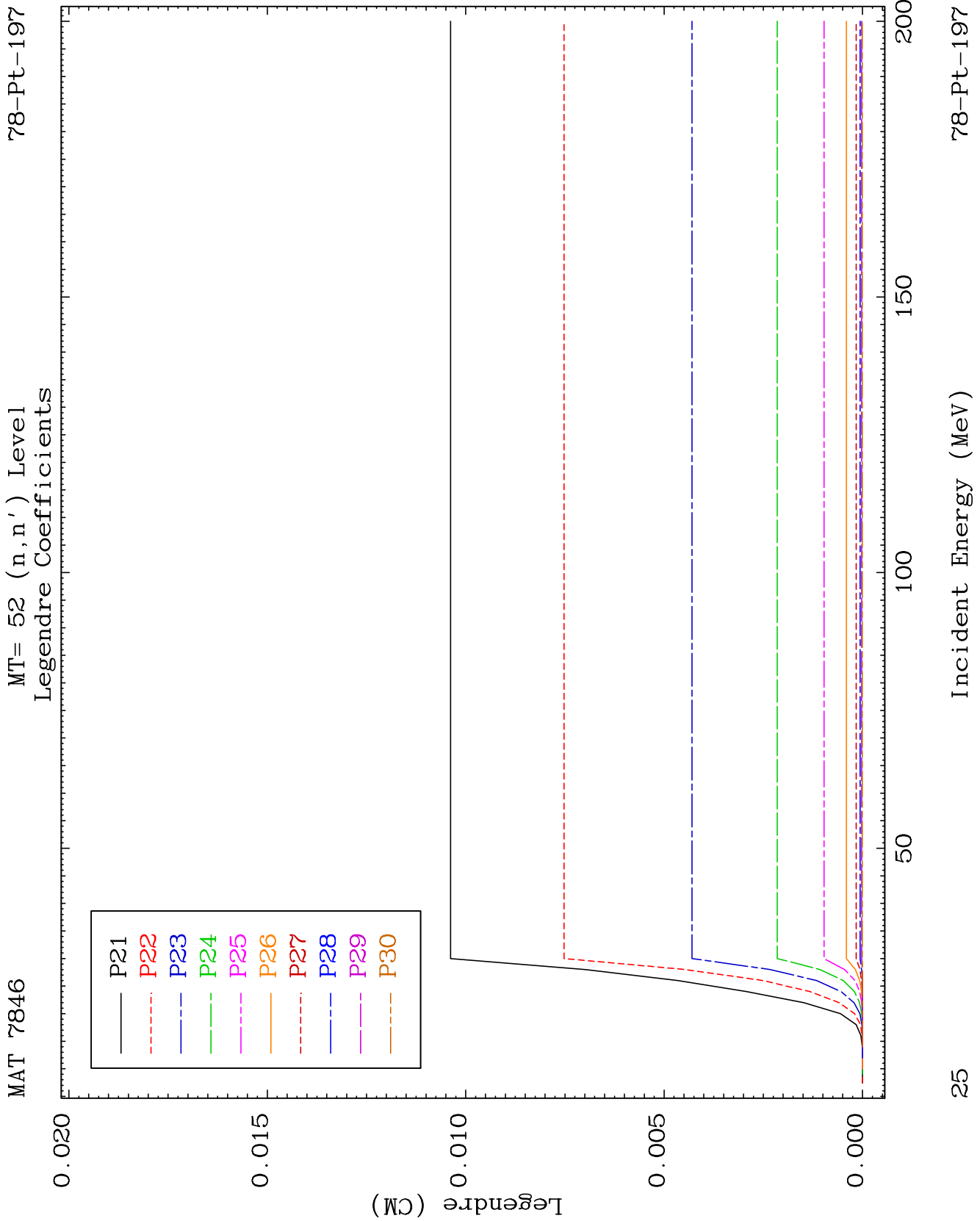
78-Pt-197



24

Incident Energy (MeV)

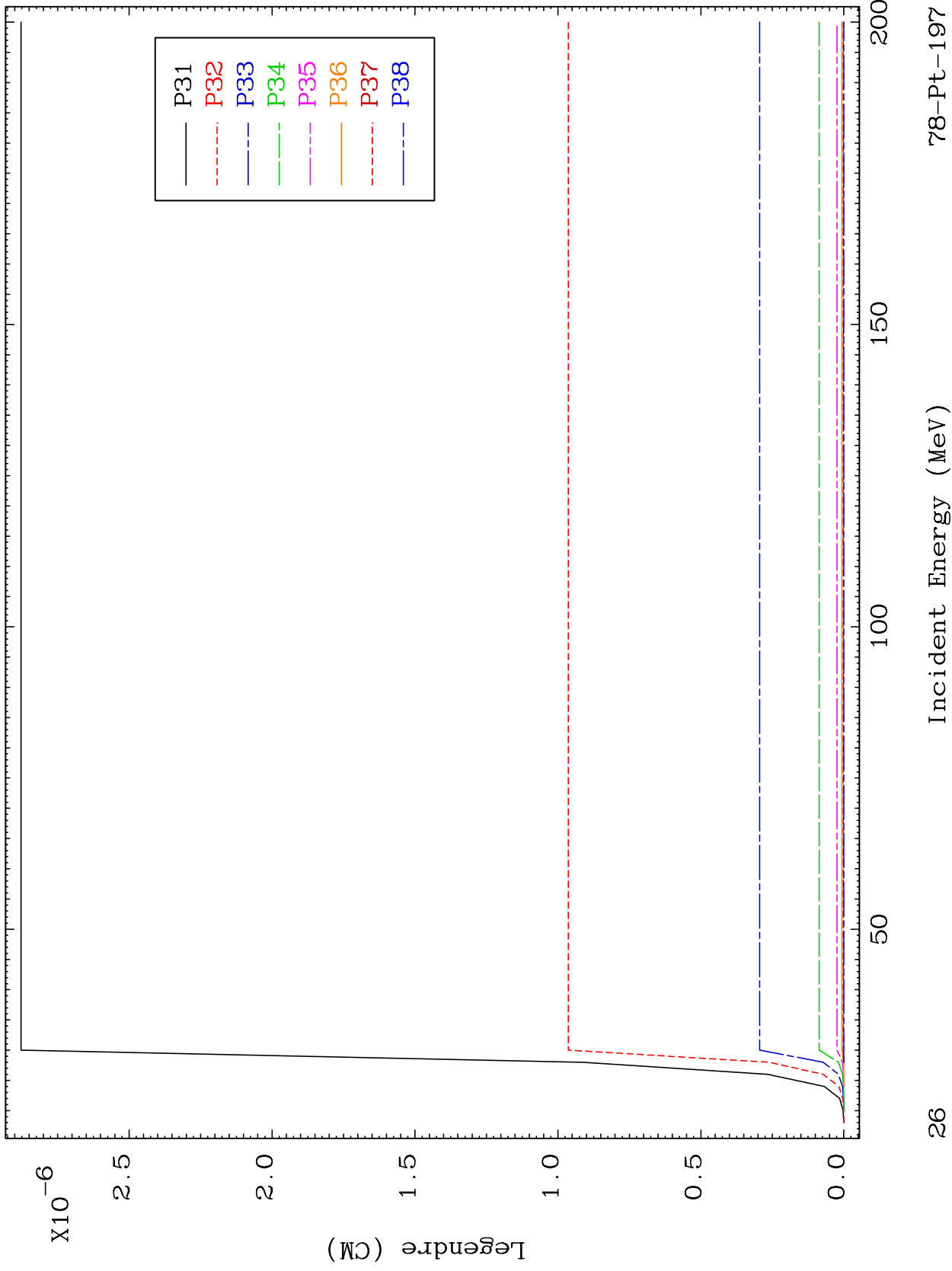
78-Pt-197



MAT 7846

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

78-Pt-197



26

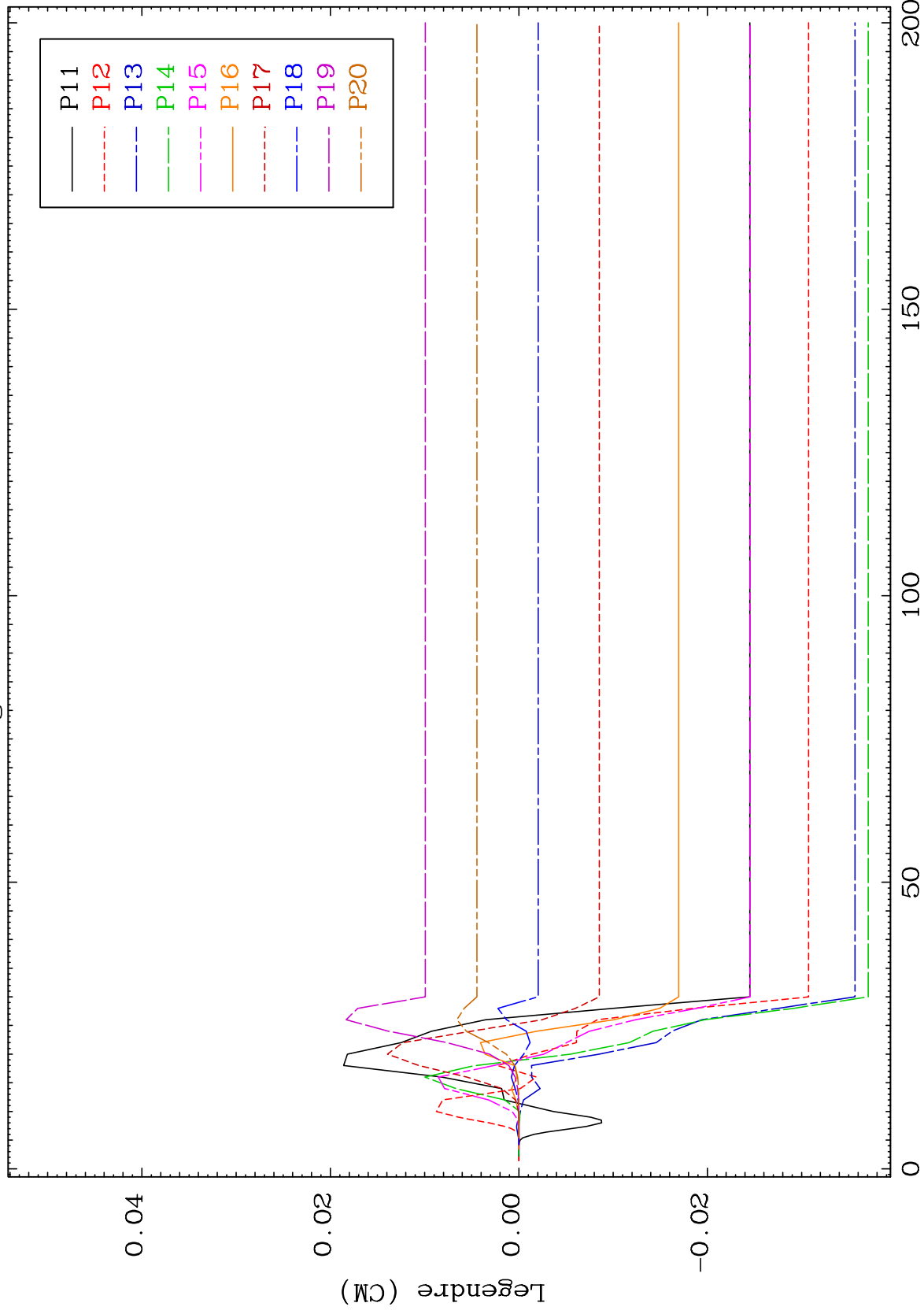
Incident Energy (MeV)

78-Pt-197

MAT 7846

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

78-Pt-197



28

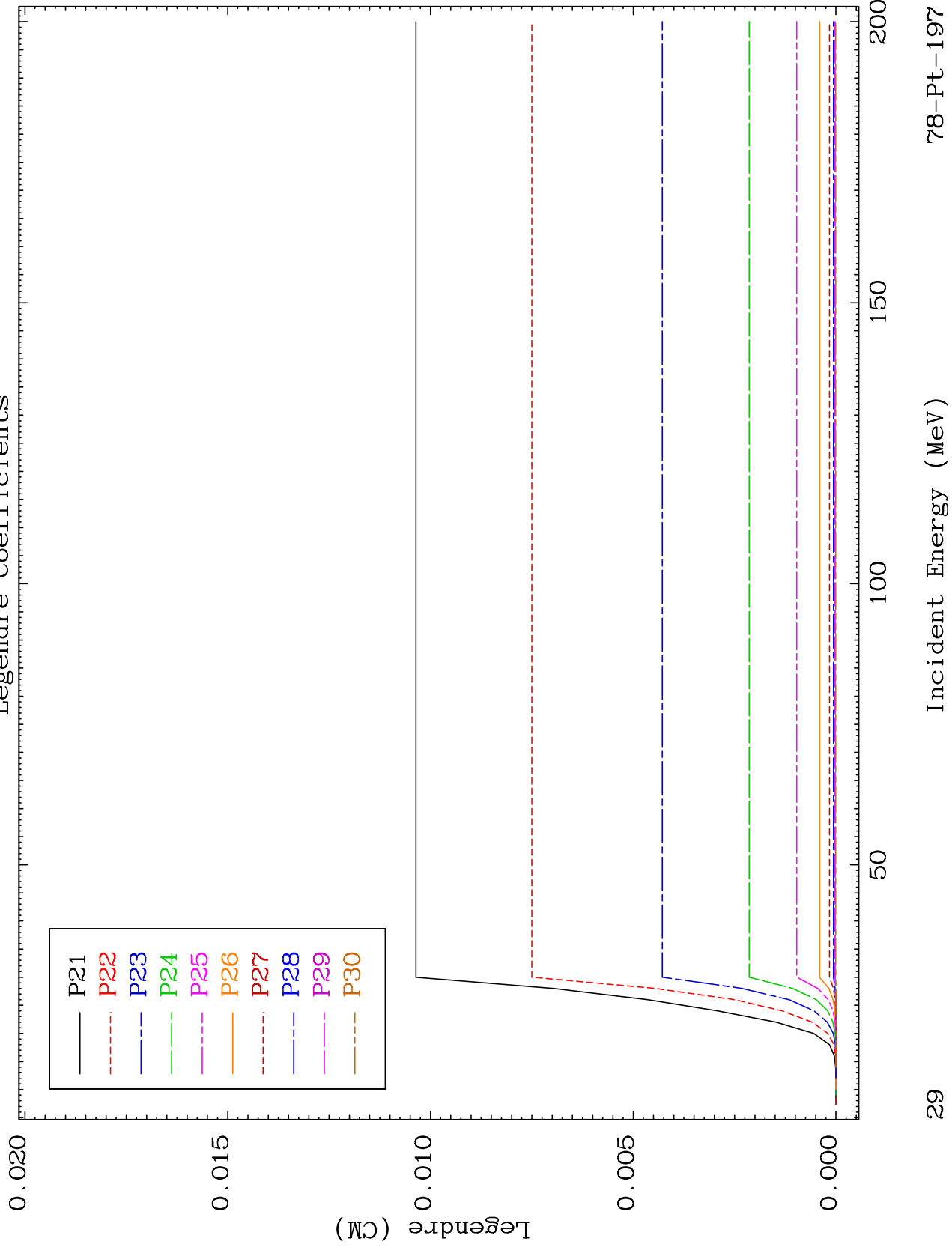
Incident Energy (MeV)

78-Pt-197

MAT 7846

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

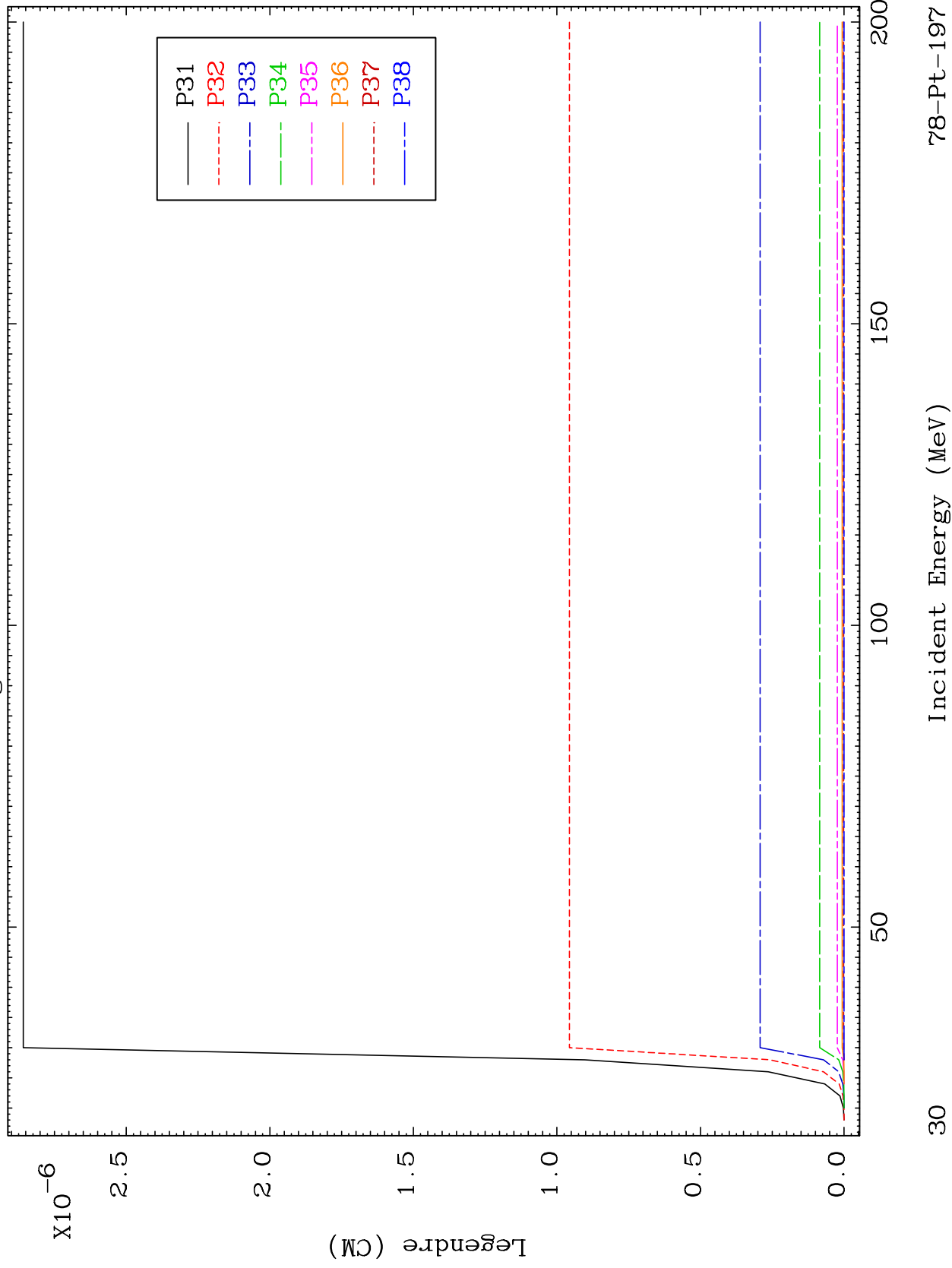
78-Pt-197



MAT 7846

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

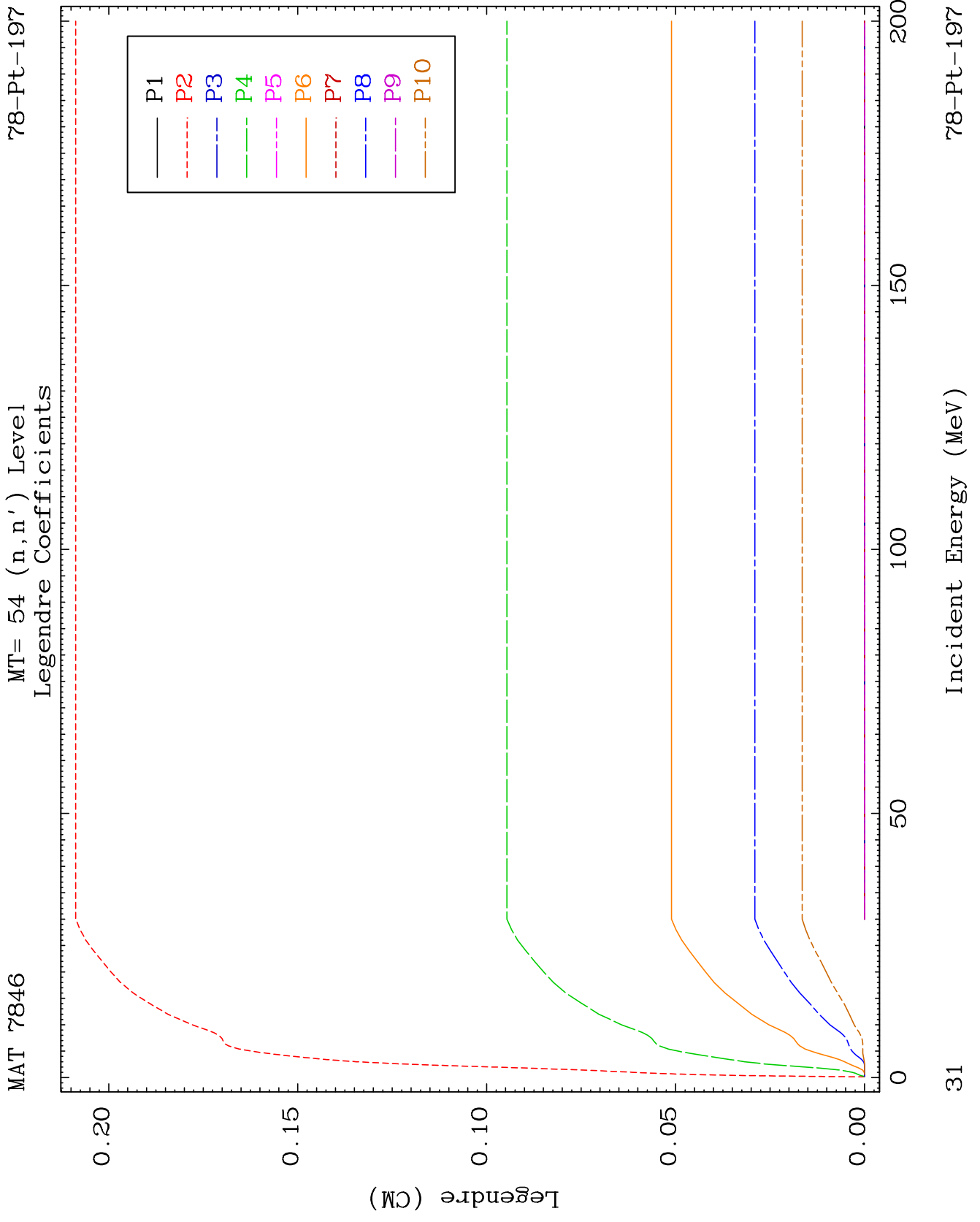
78-Pt-197

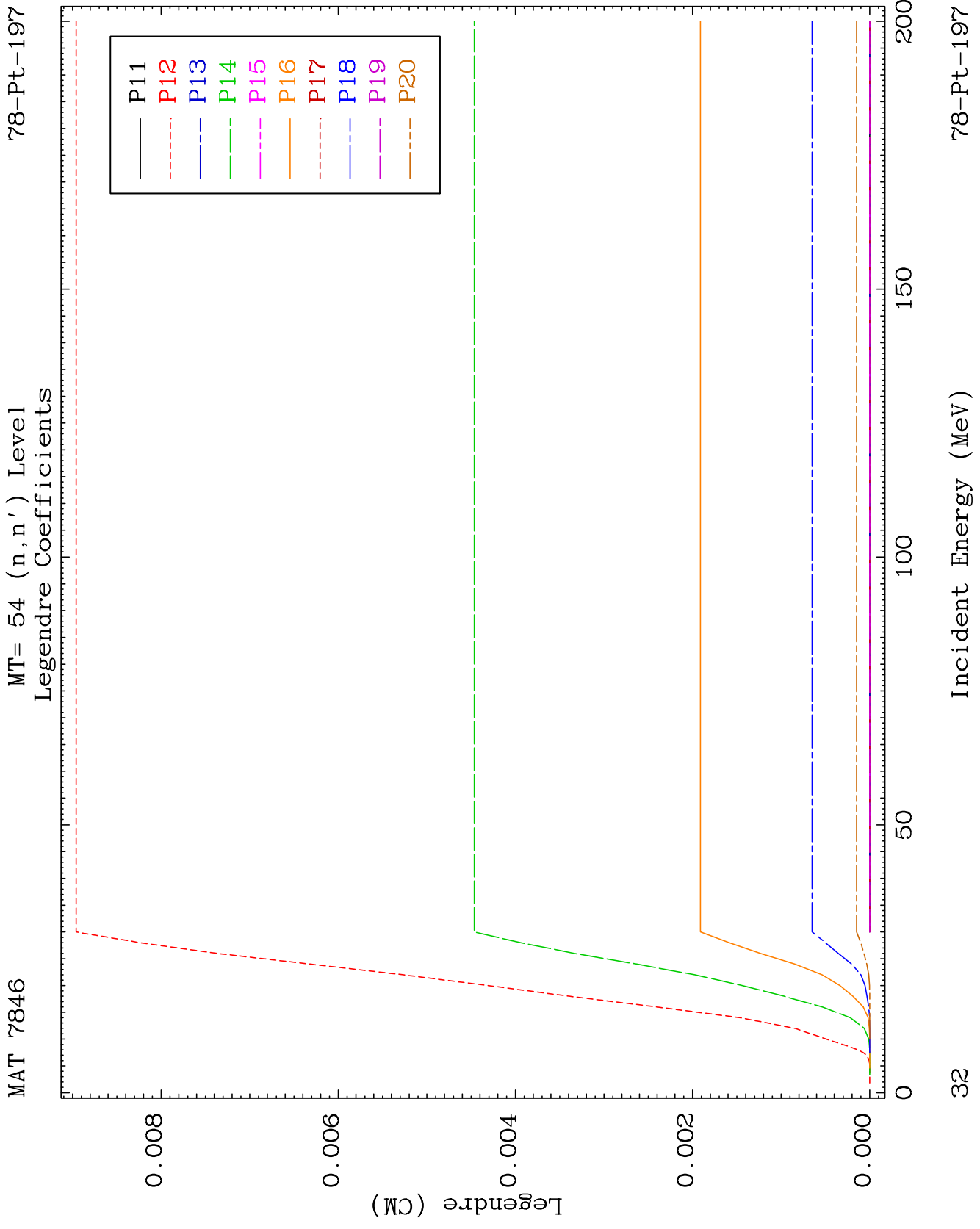


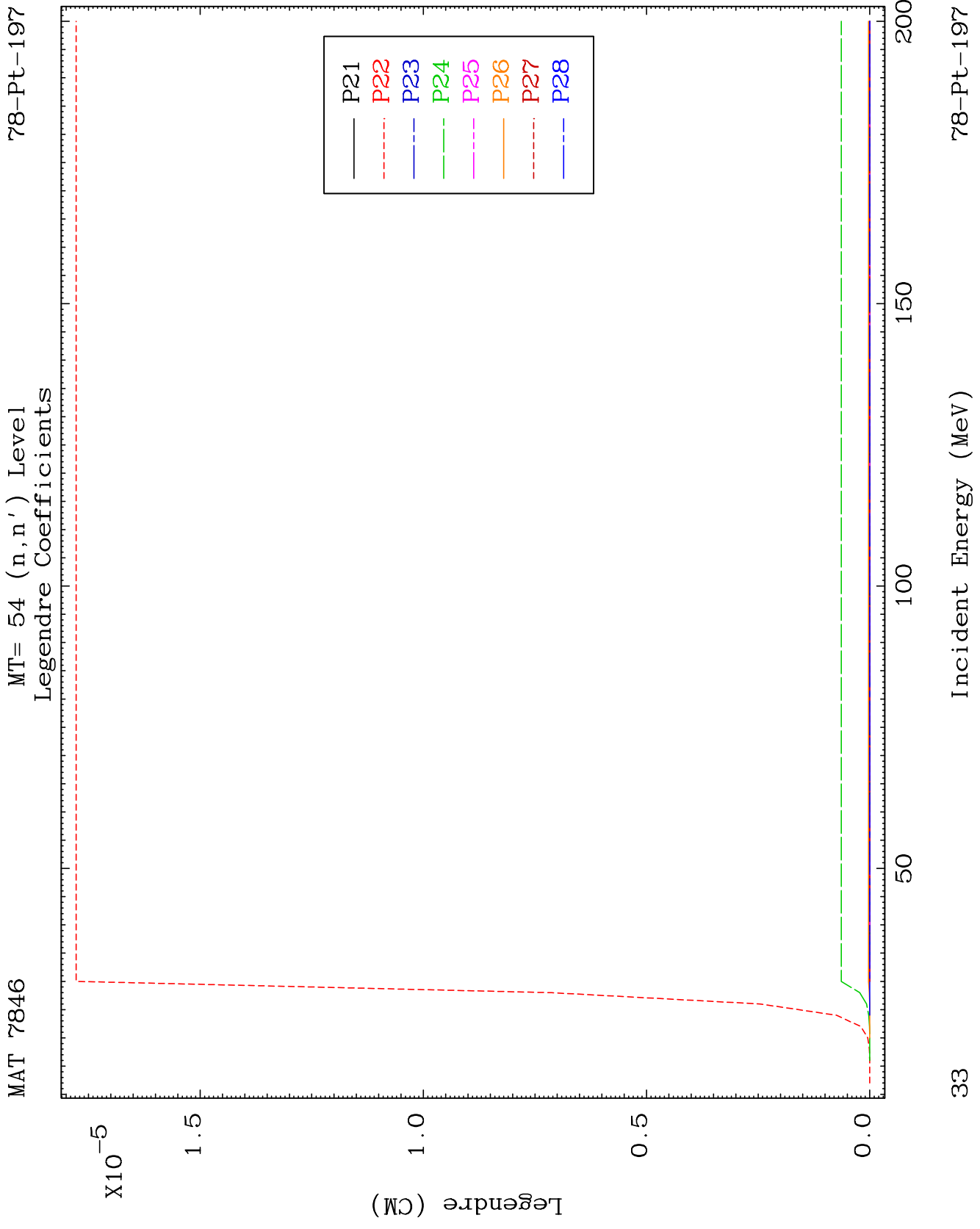
78-Pt-197

Incident Energy (MeV)

30



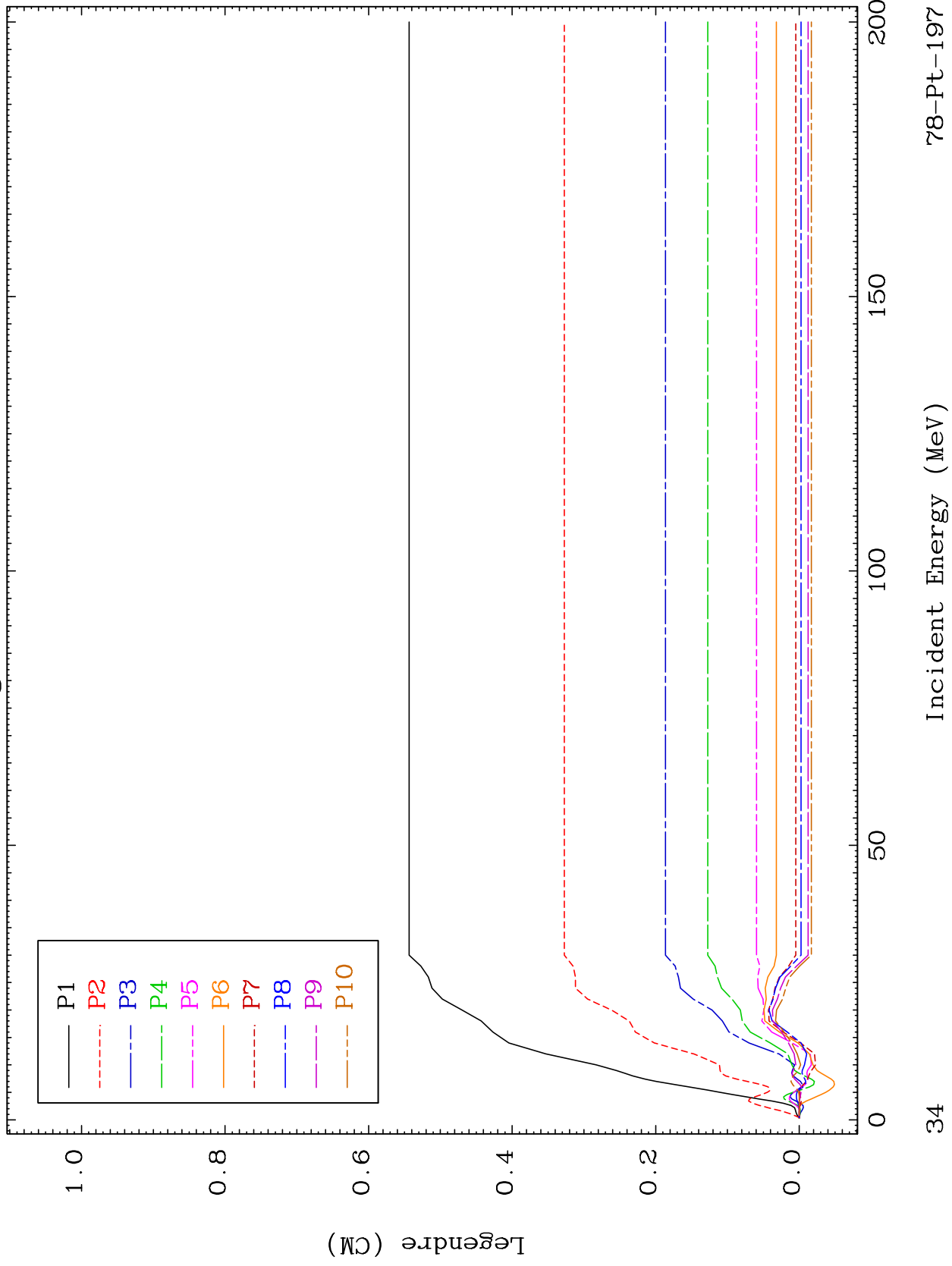




MAT 7846

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

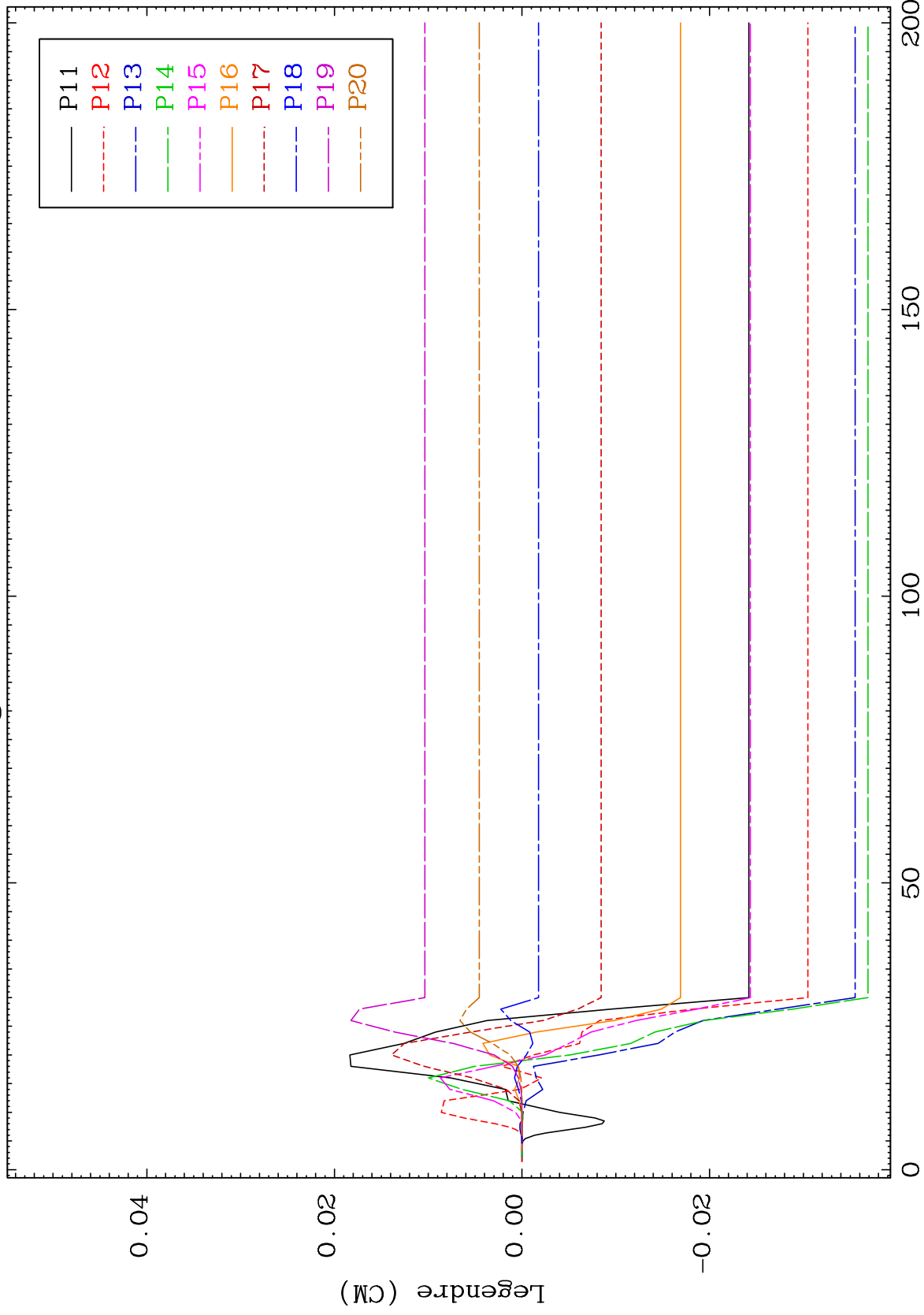
78-Pt-197



MAT 7846

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

78-Pt-197



35

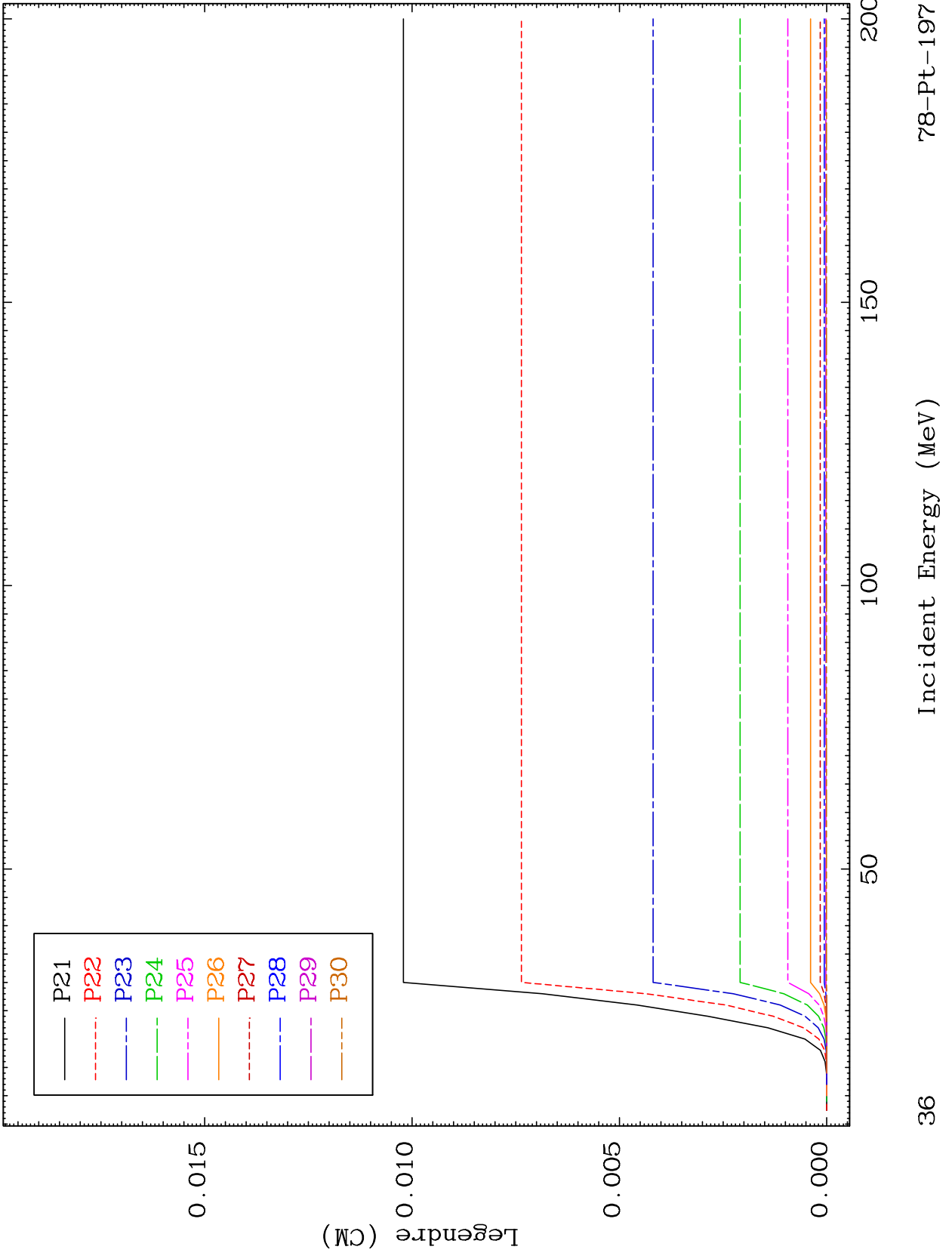
Incident Energy (MeV)

78-Pt-197

MAT 7846

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

78-Pt-197



36

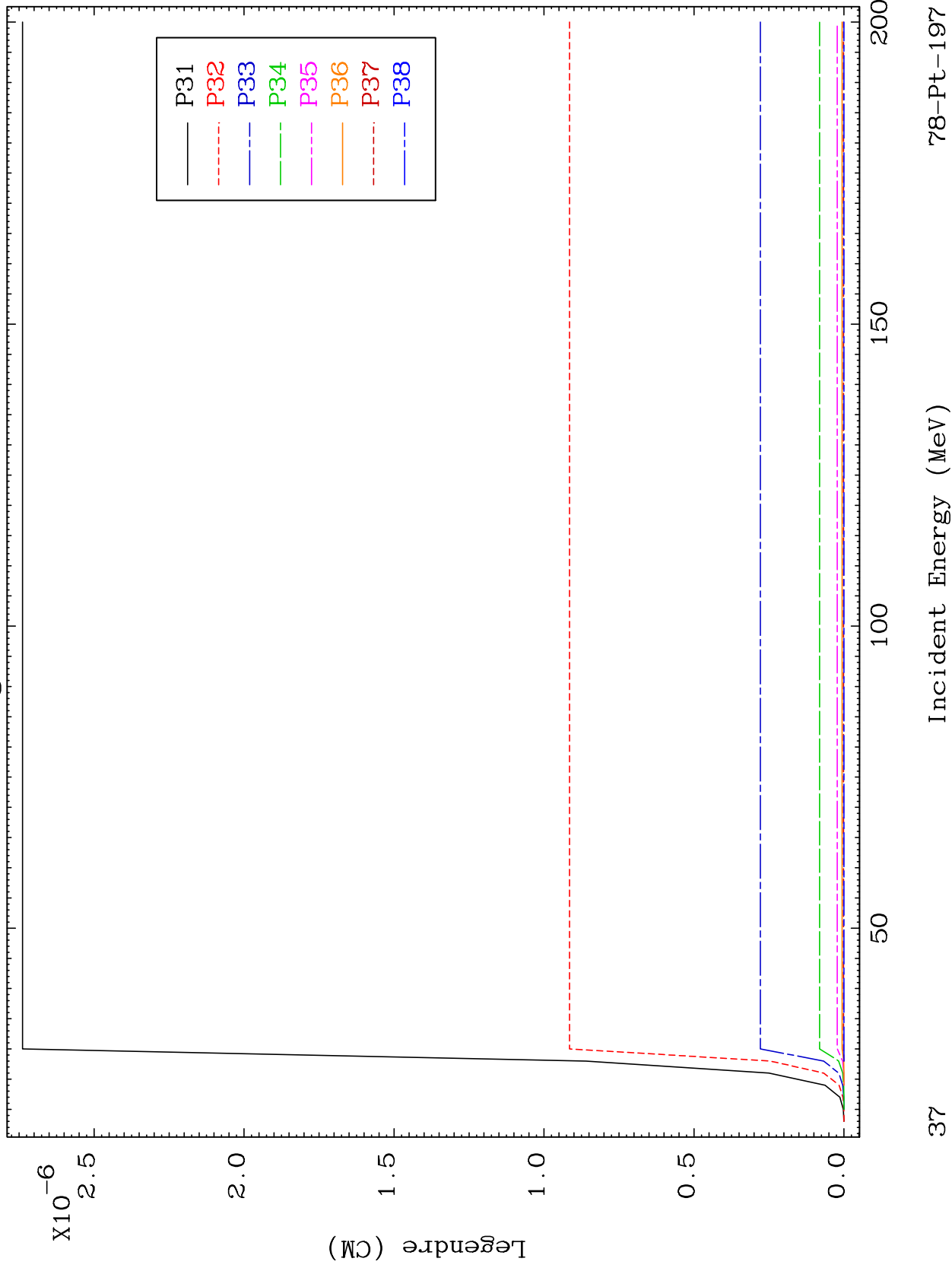
Incident Energy (MeV)

78-Pt-197

MAT 7846

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

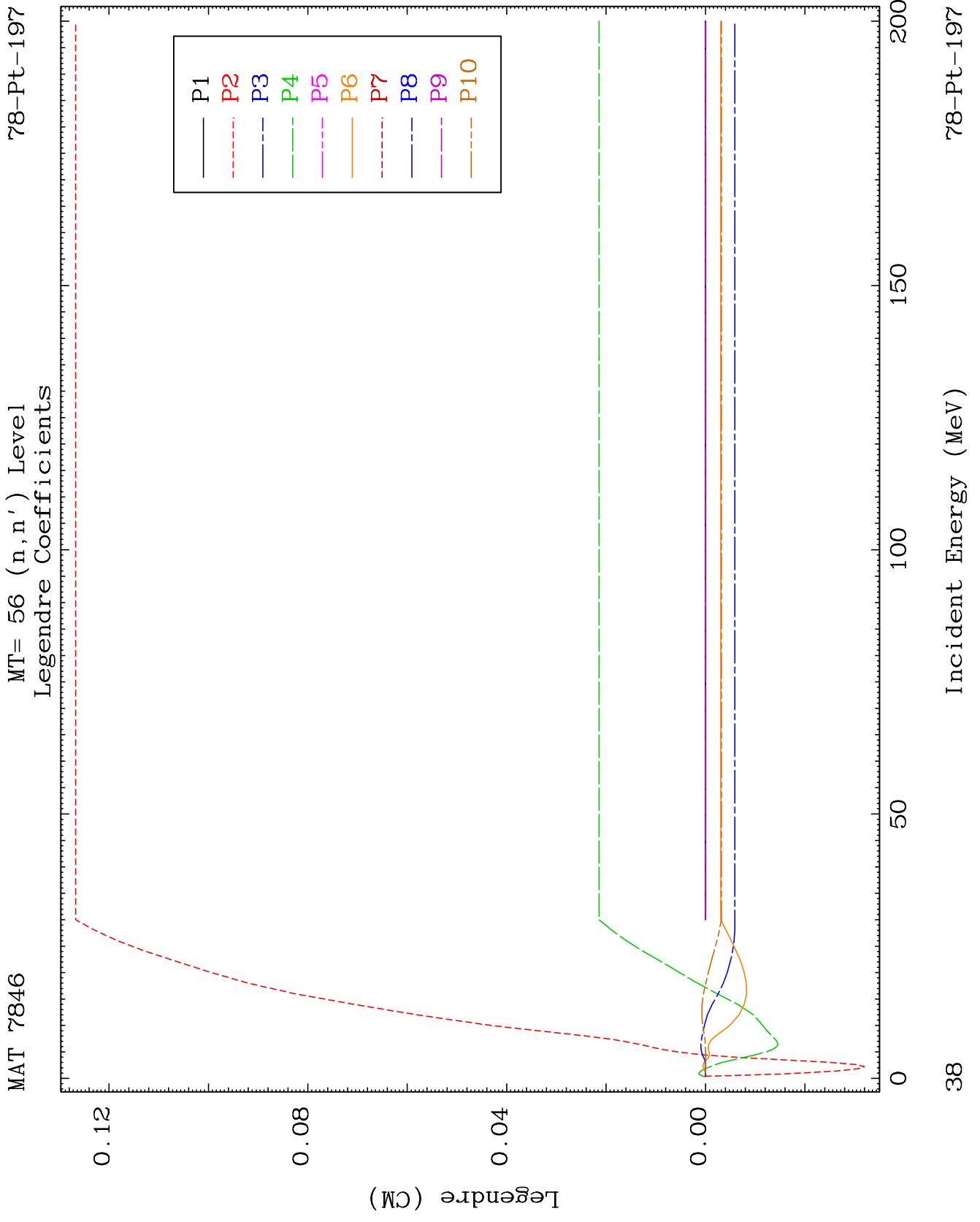
78-Pt-197



37

Incident Energy (MeV)

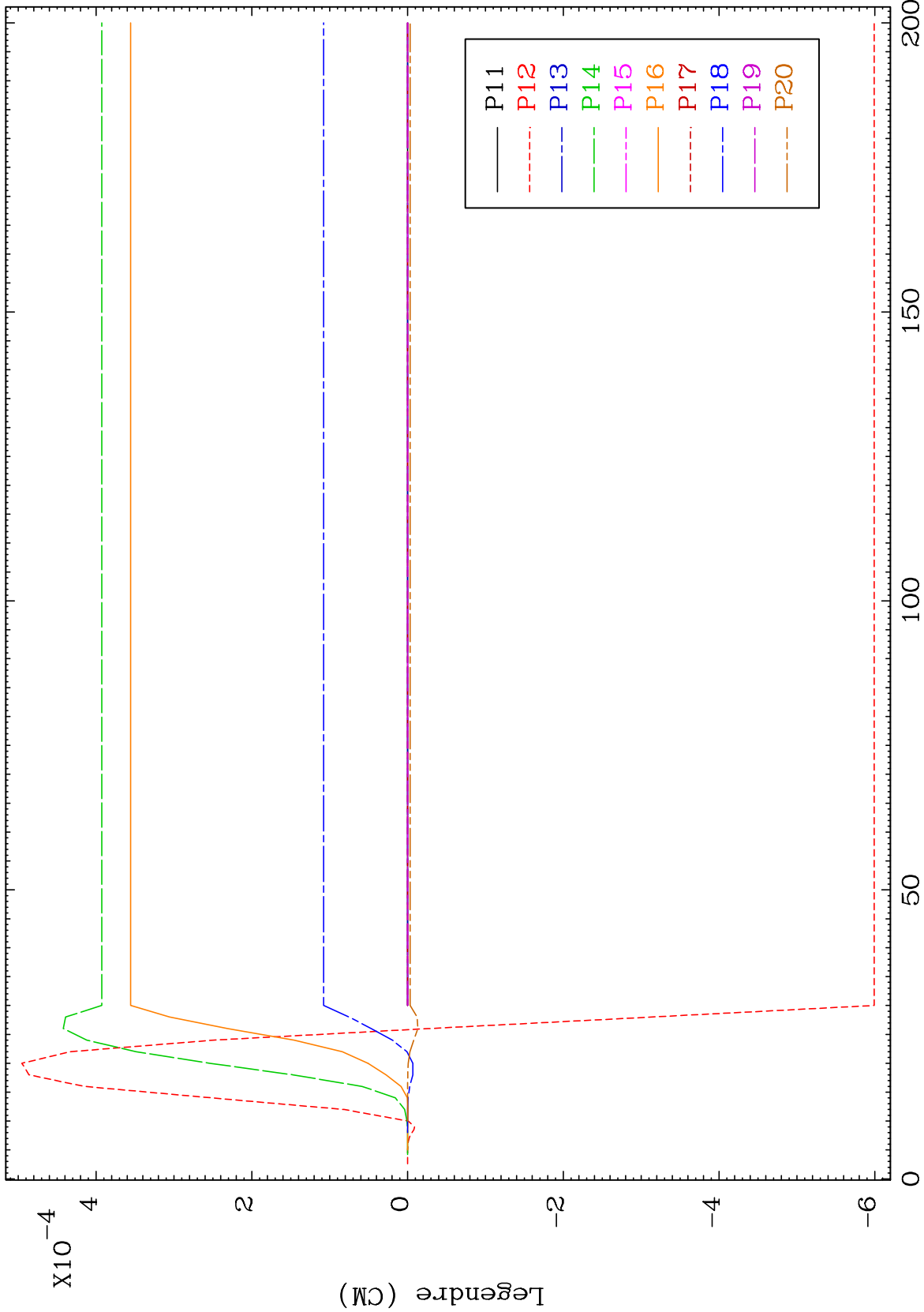
78-Pt-197



MAT 7846

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

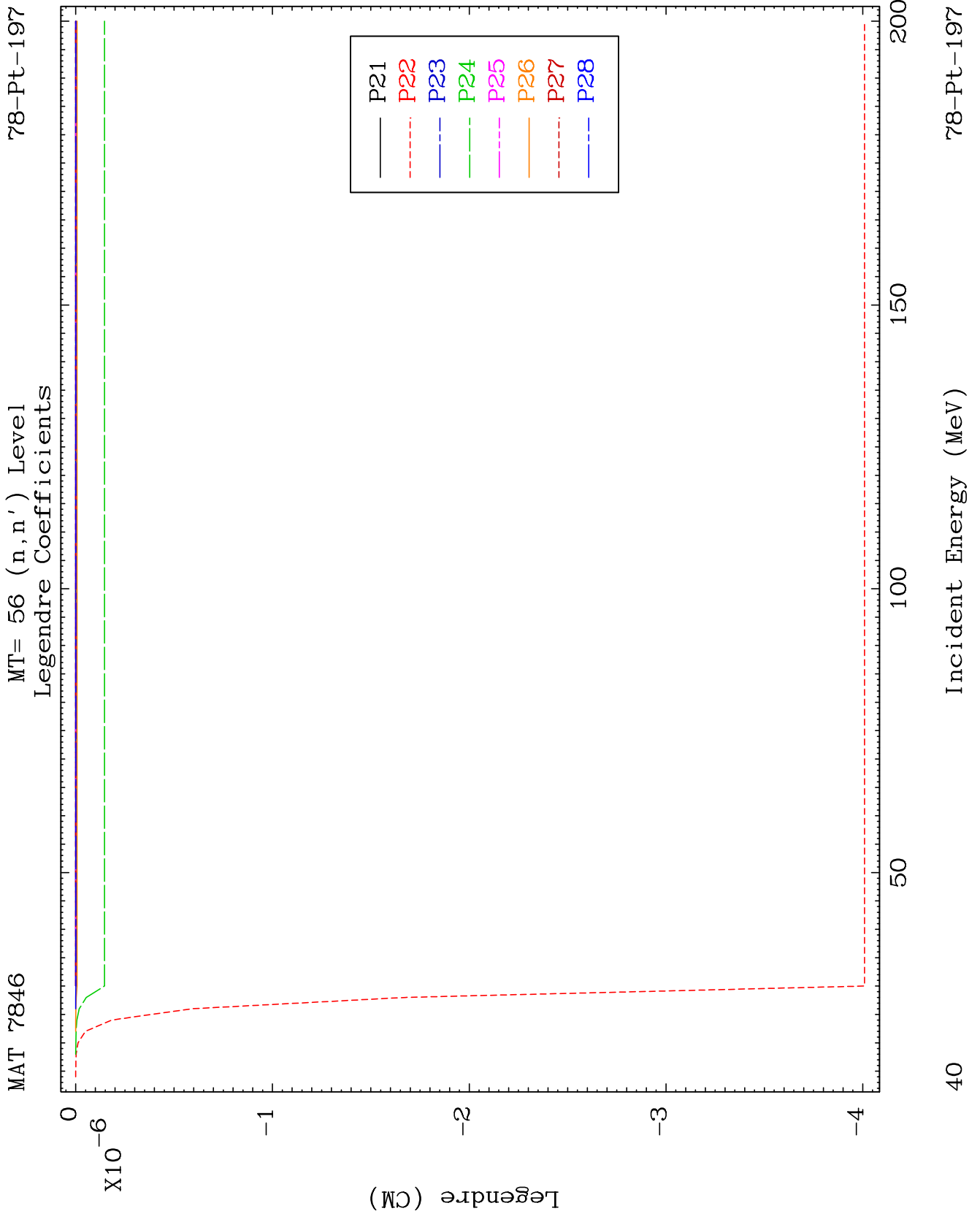
78-Pt-197



39

Incident Energy (MeV)

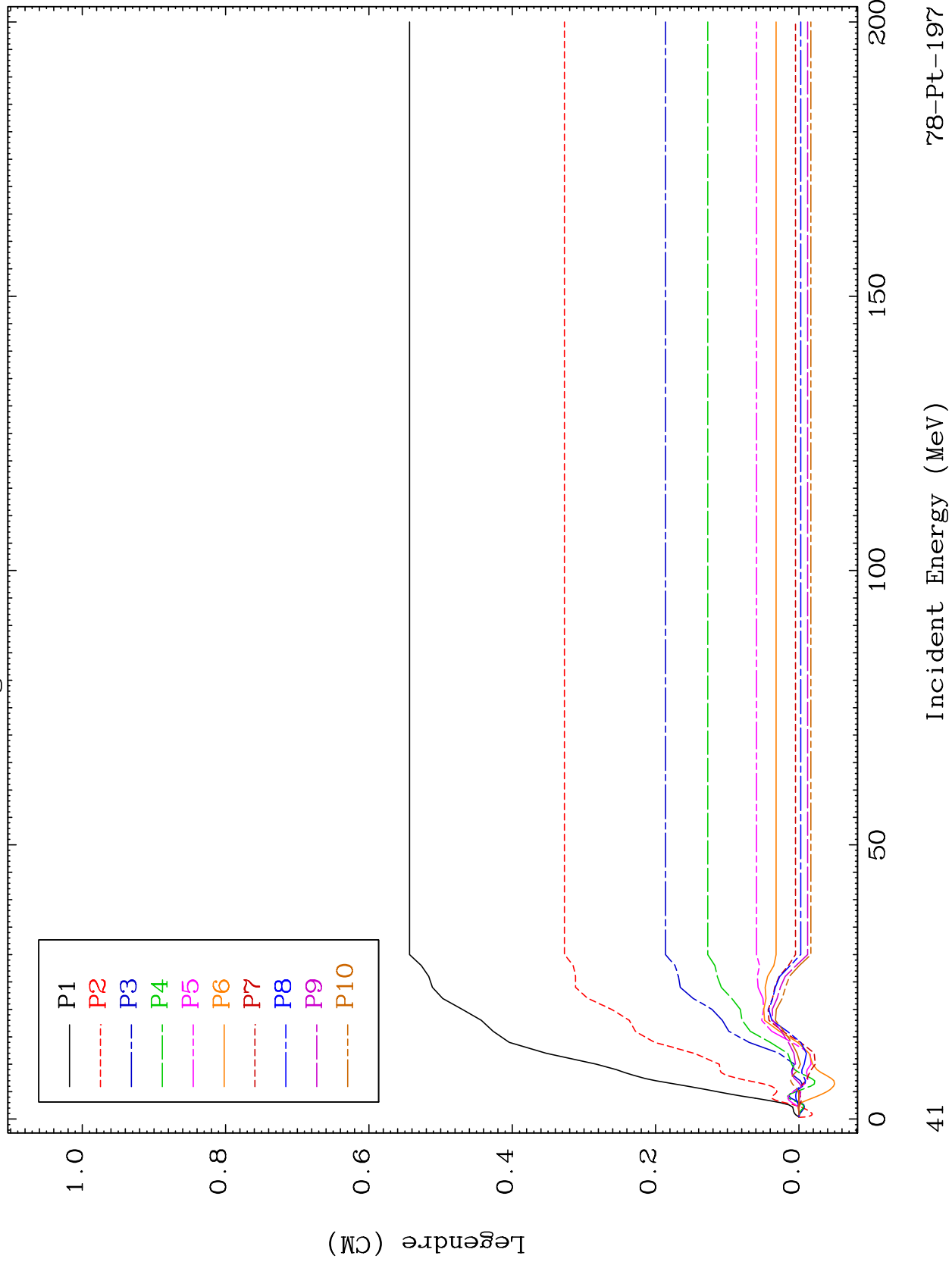
78-Pt-197



MAT 7846

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

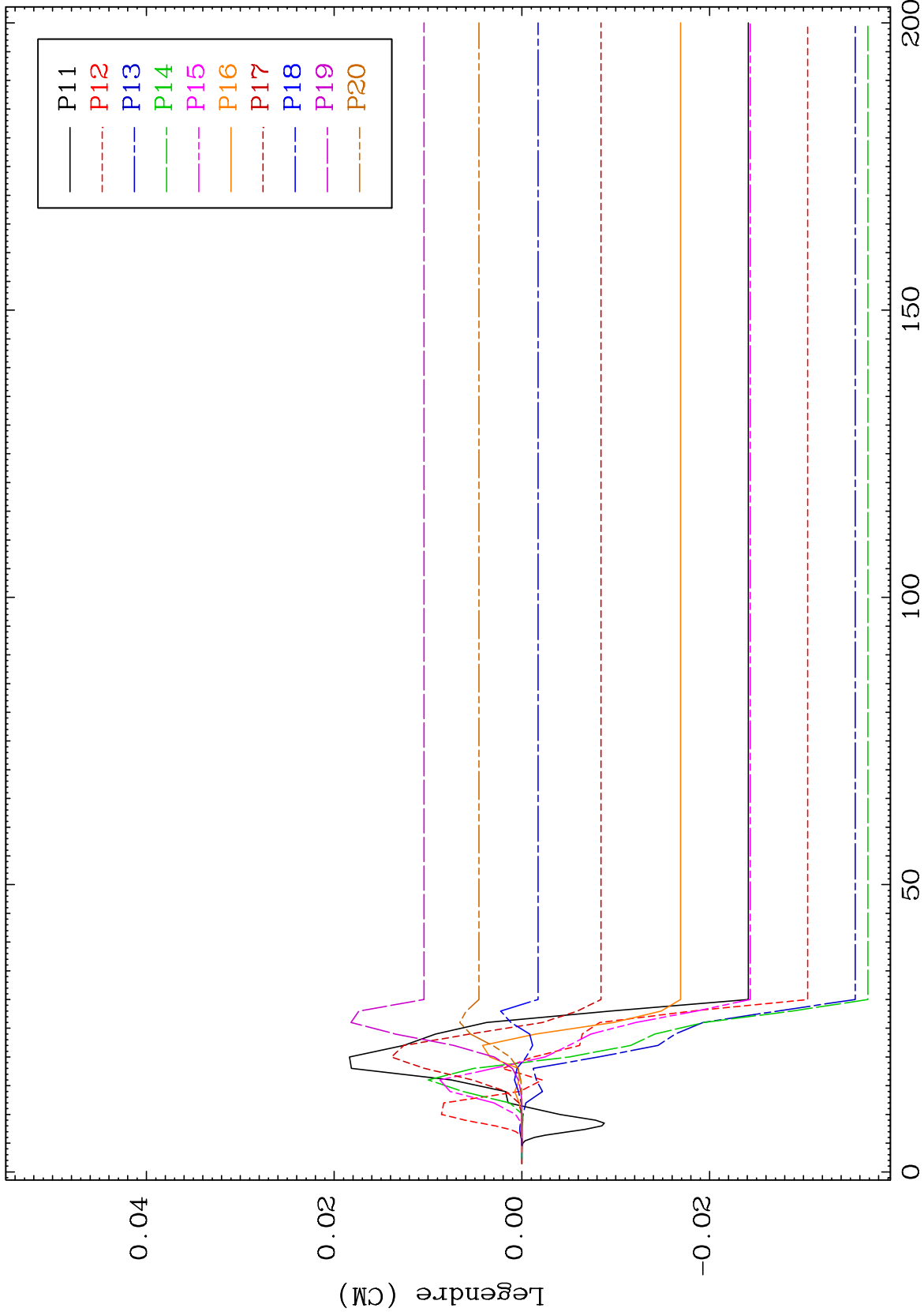
78-Pt-197



MAT 7846

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

78-Pt-197



42

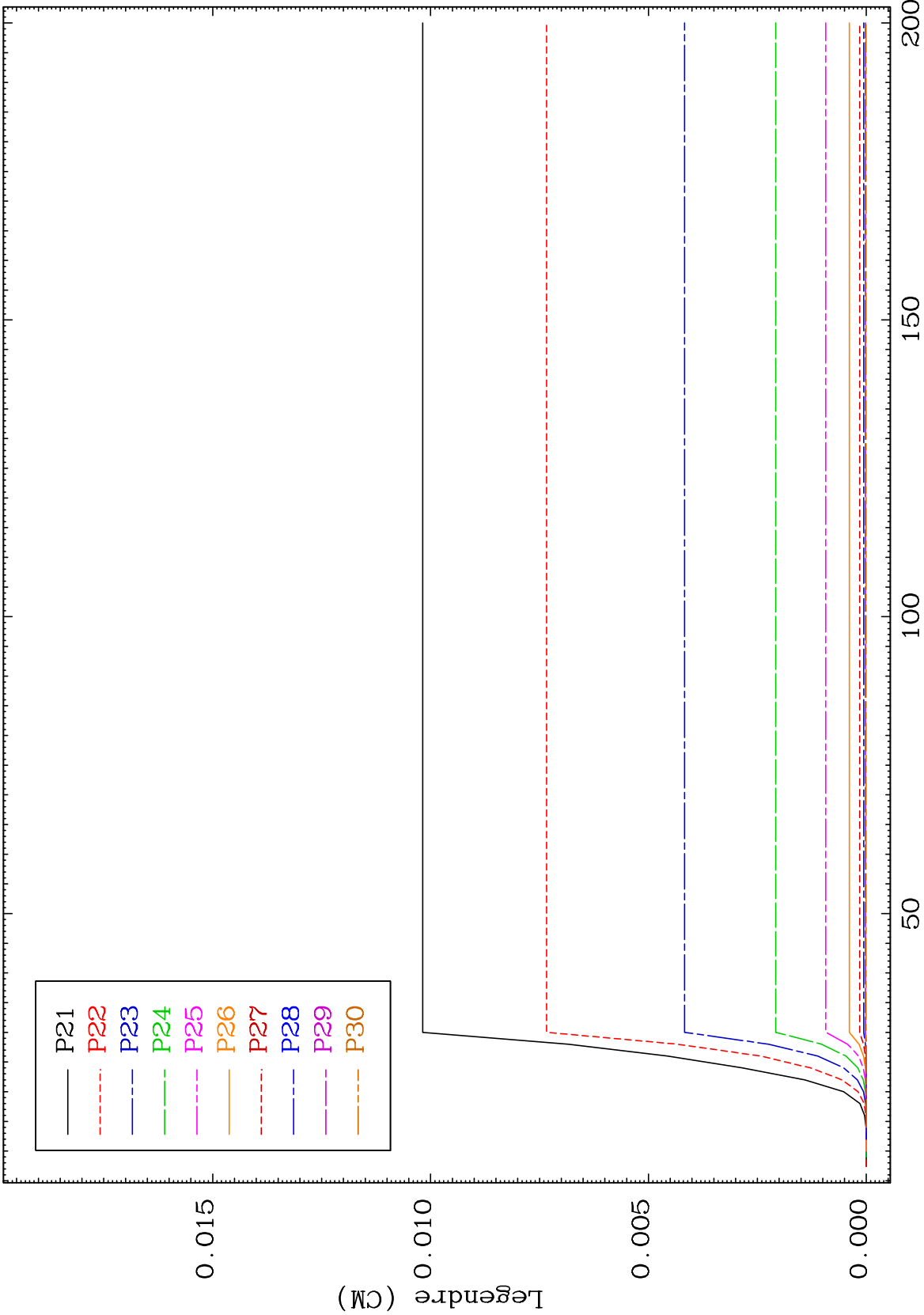
Incident Energy (MeV)

78-Pt-197

MAT 7846

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

78-Pt-197



43

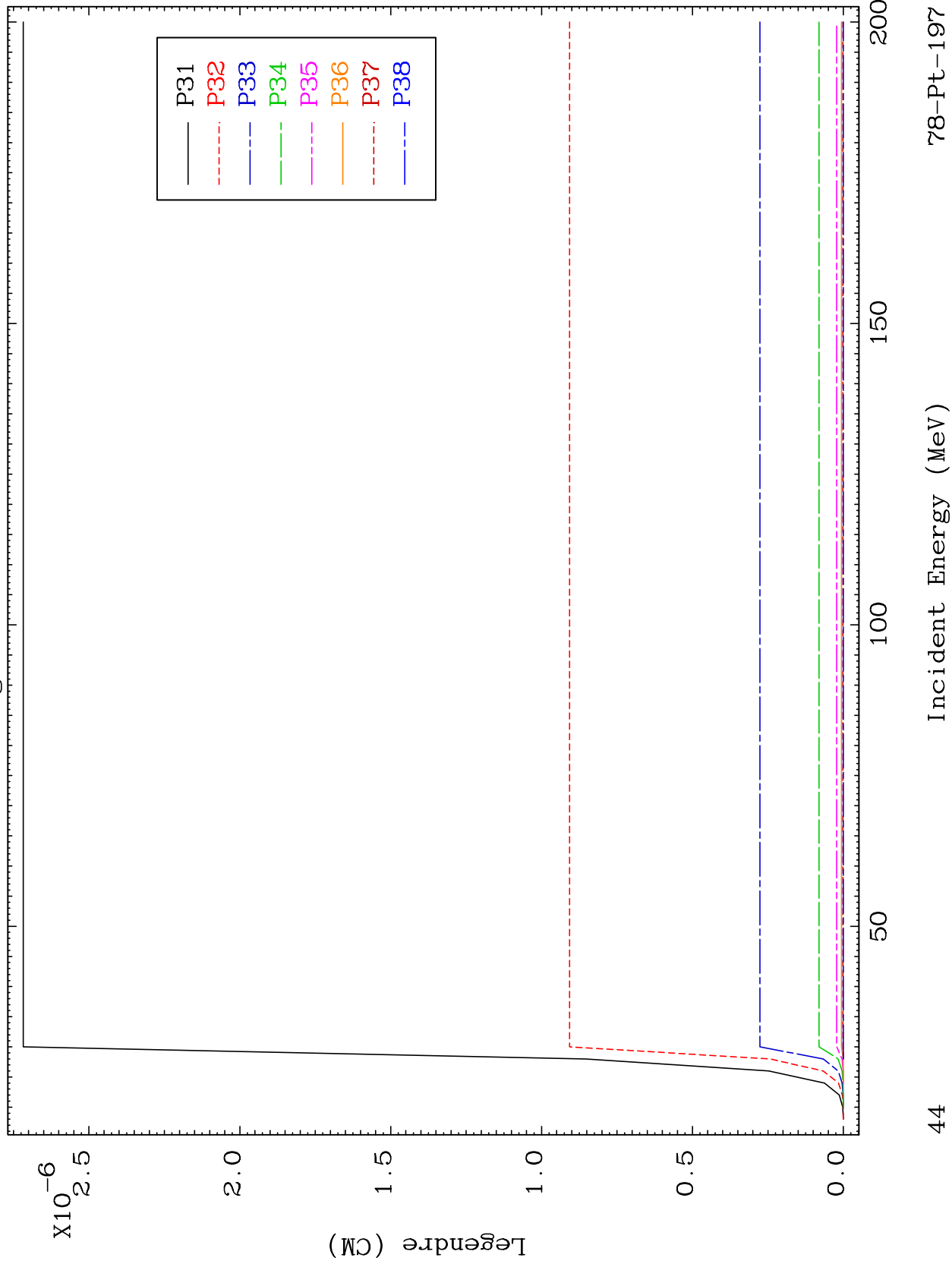
Incident Energy (MeV)

78-Pt-197

MAT 7846

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

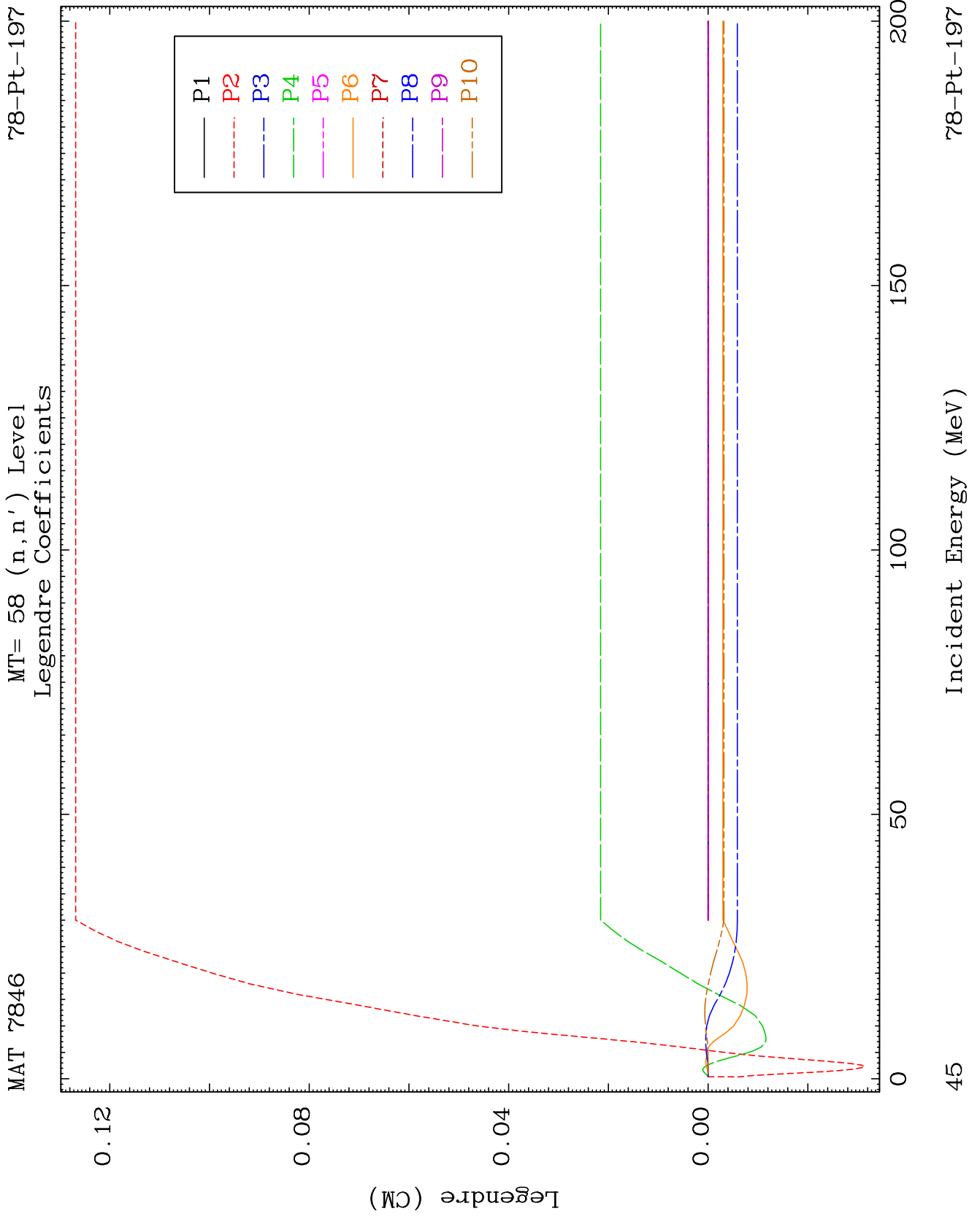
78-Pt-197



44

Incident Energy (MeV)

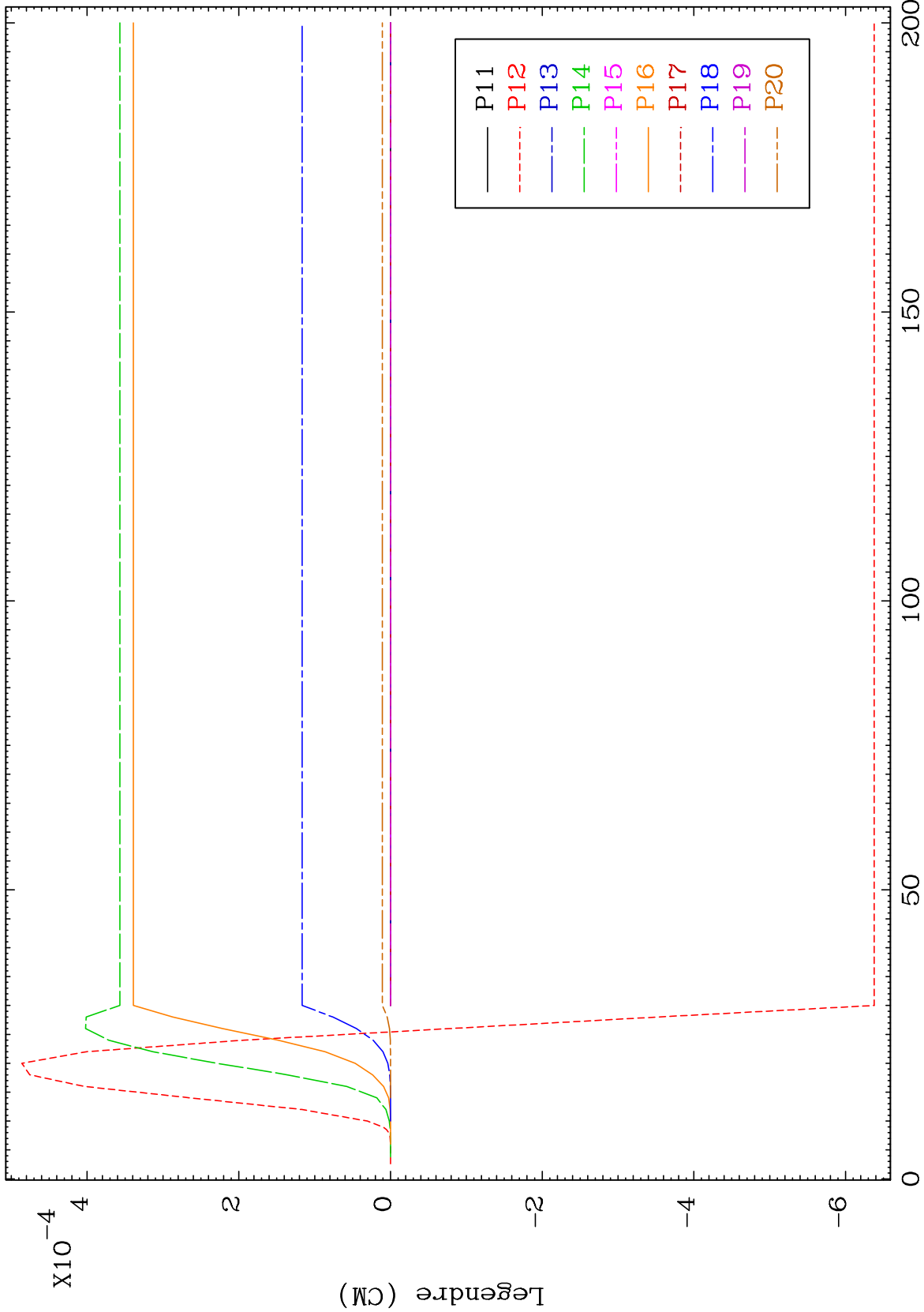
78-Pt-197



MAT 7846

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

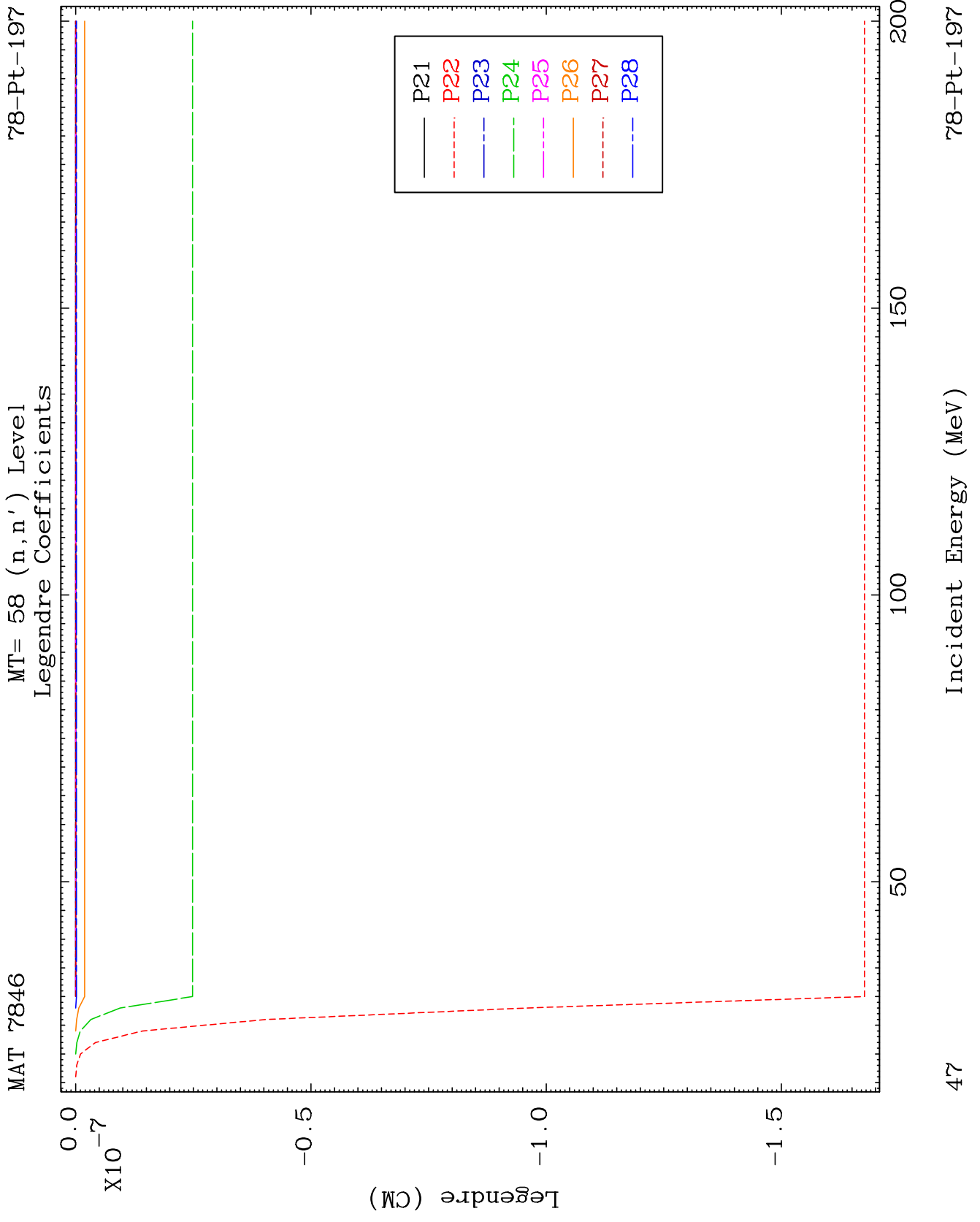
78-Pt-197



46

Incident Energy (MeV)

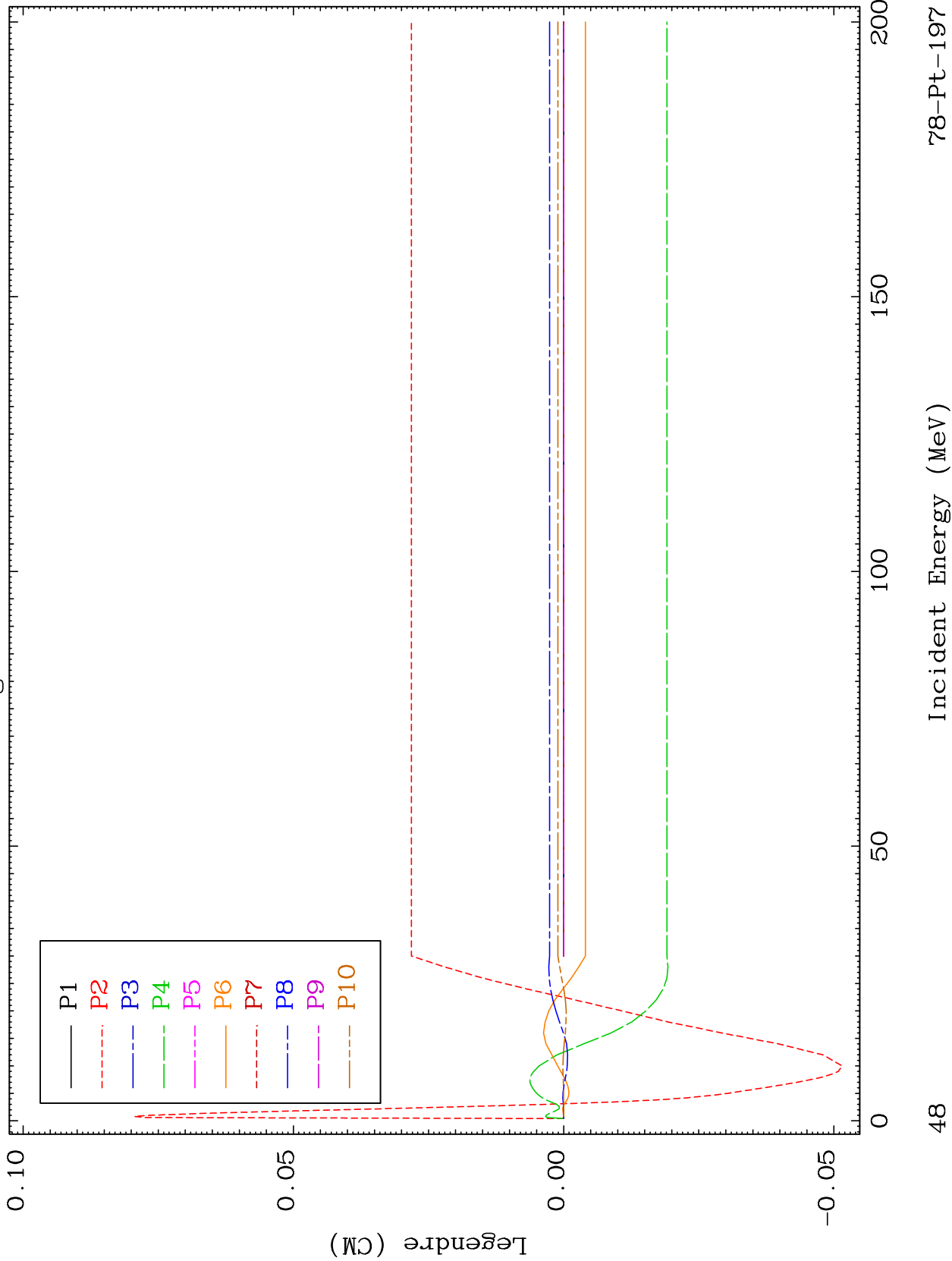
78-Pt-197



MAT 7846

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

78-Pt-197



78-Pt-197

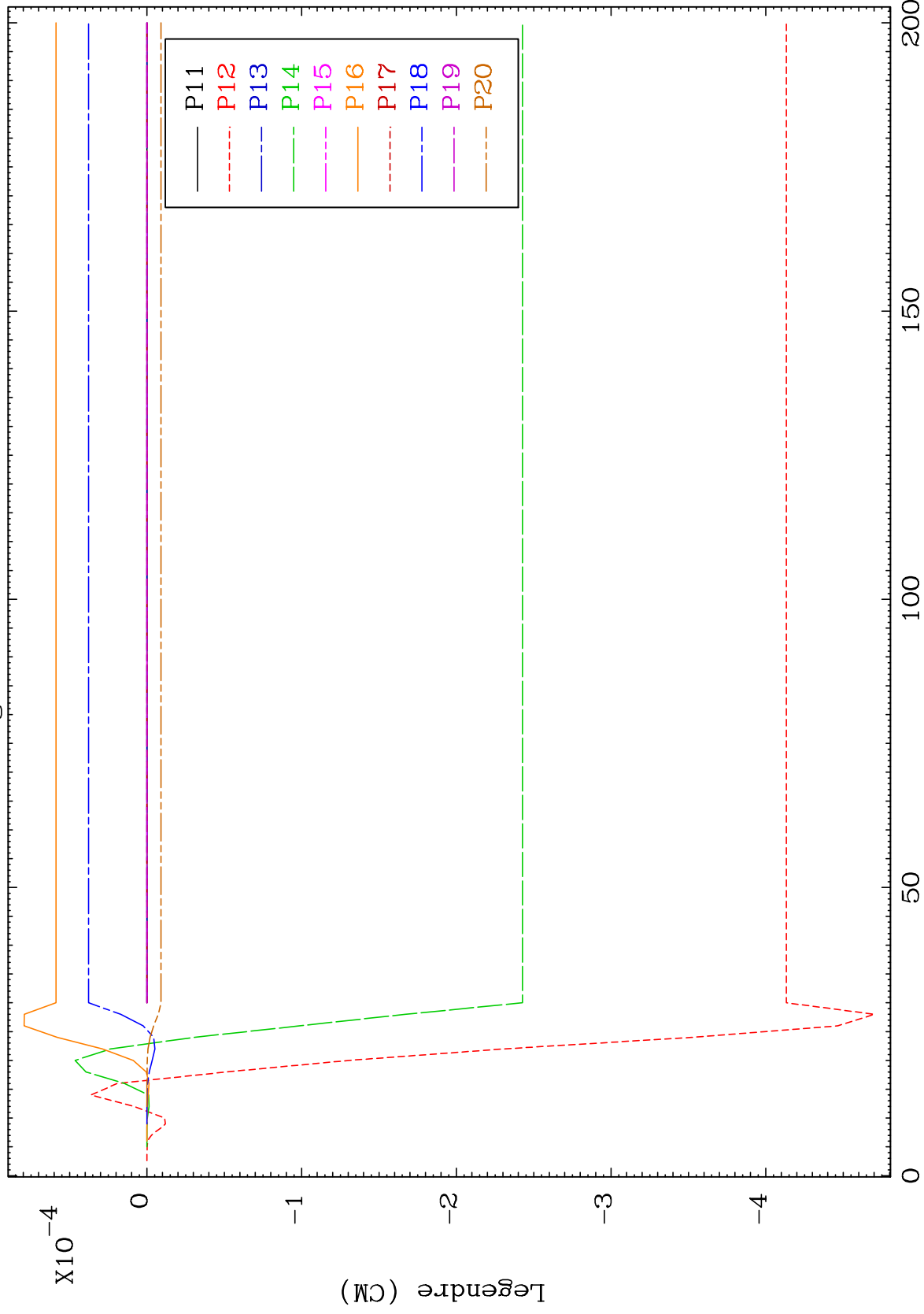
Incident Energy (MeV)

48

MAT 7846

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

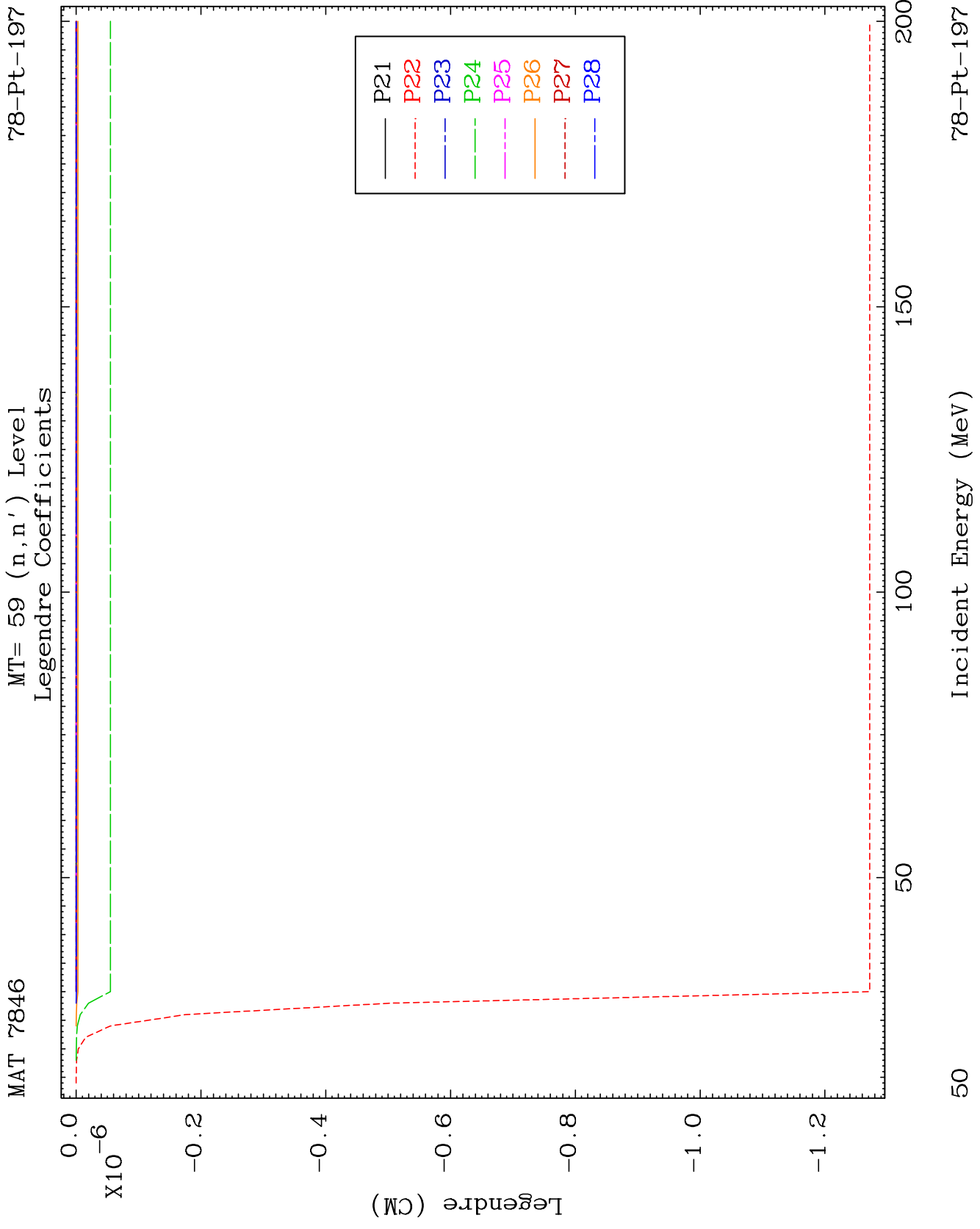
78-Pt-197



49

Incident Energy (MeV)

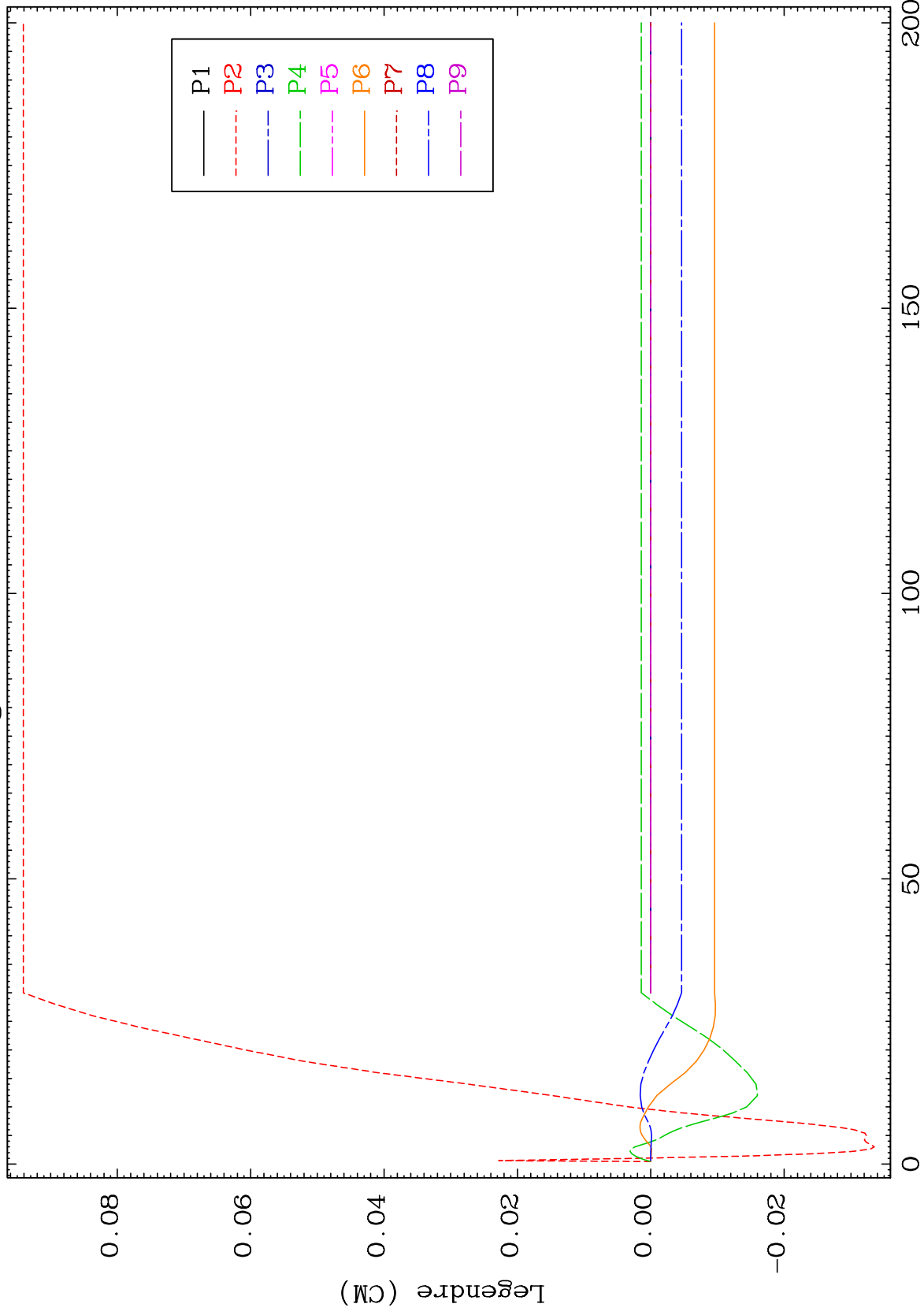
78-Pt-197



MAT 7846

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

78-Pt-197



51

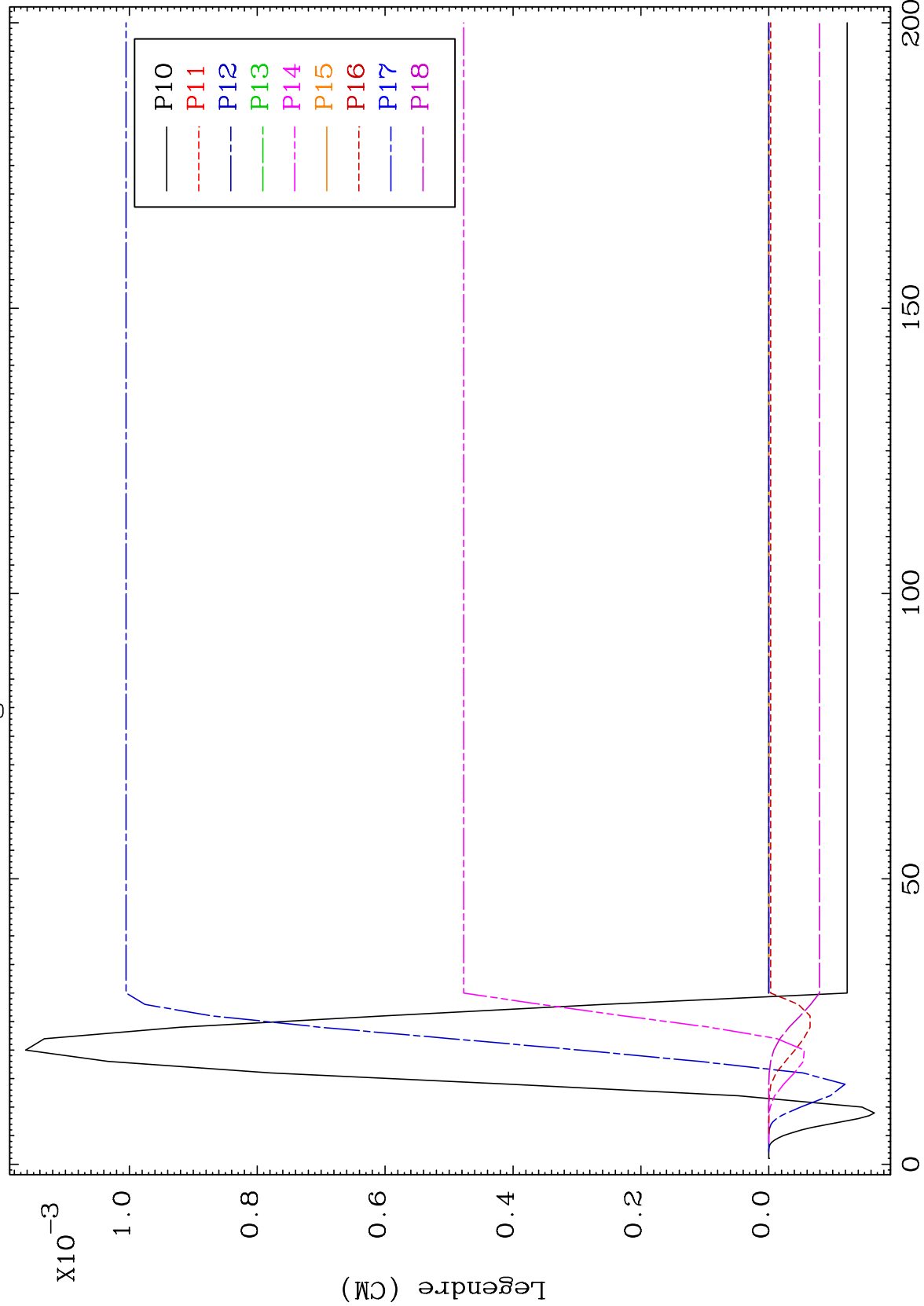
Incident Energy (MeV)

78-Pt-197

MAT 7846

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

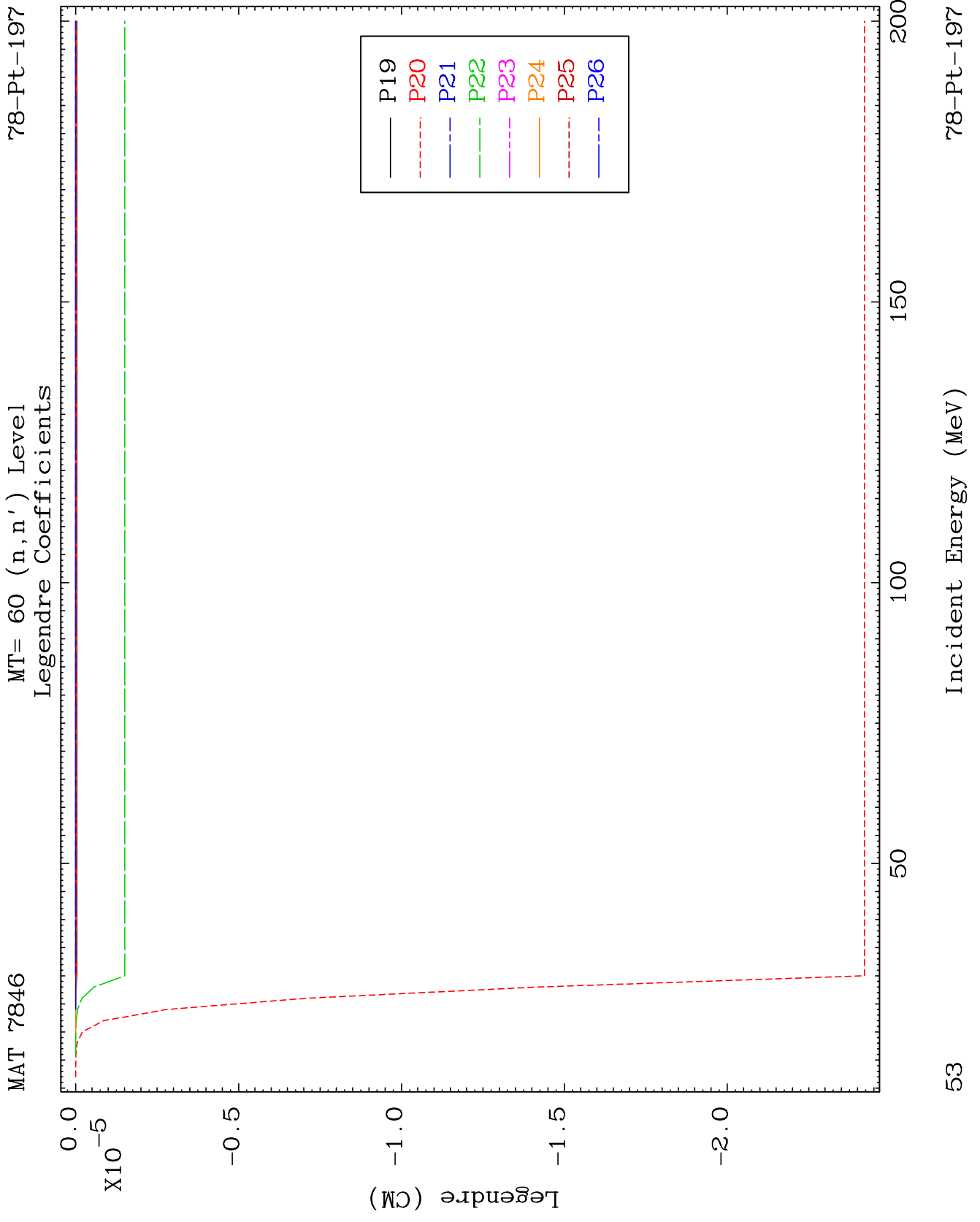
78-Pt-197



52

Incident Energy (MeV)

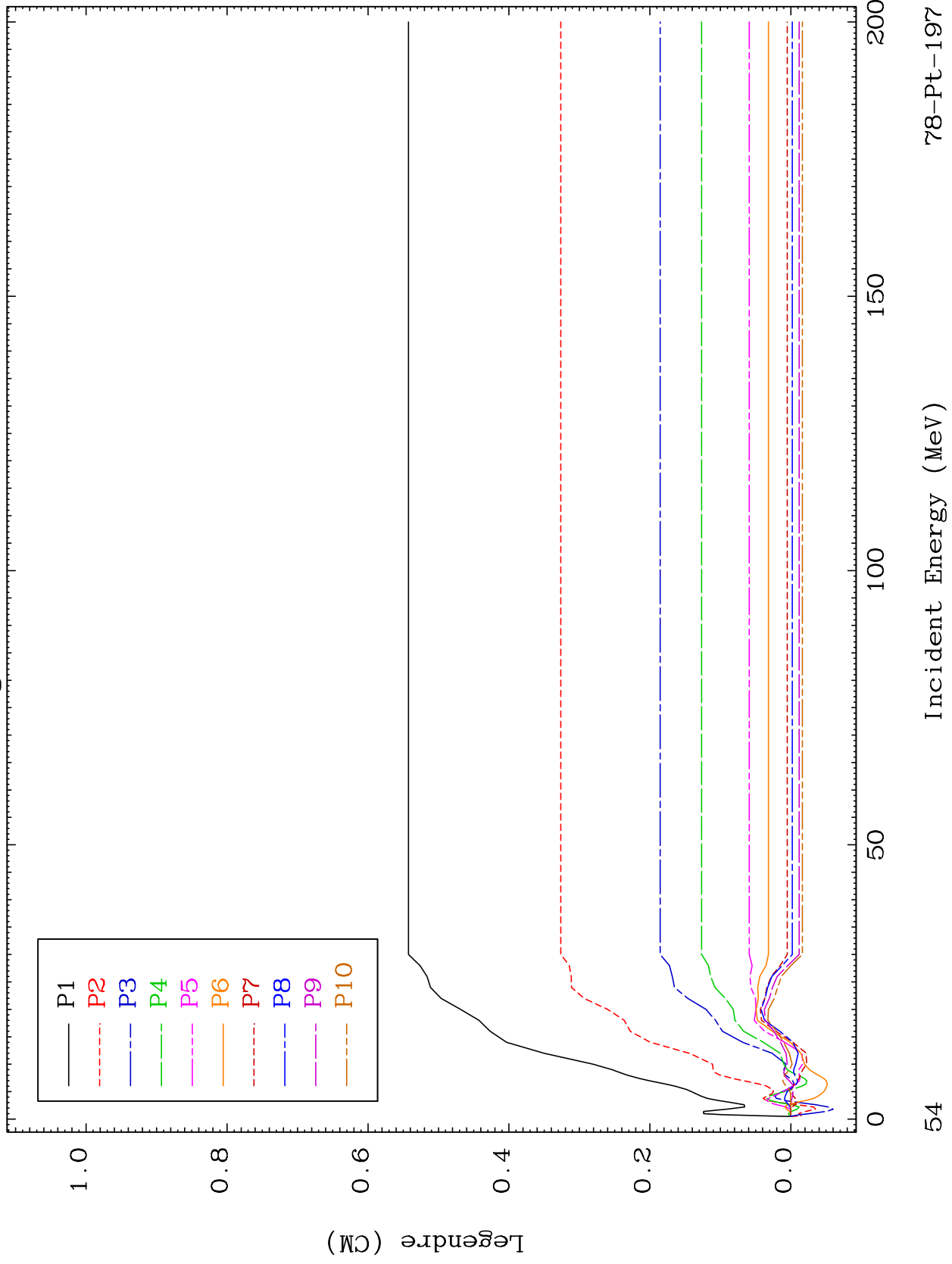
78-Pt-197



MAT 7846

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

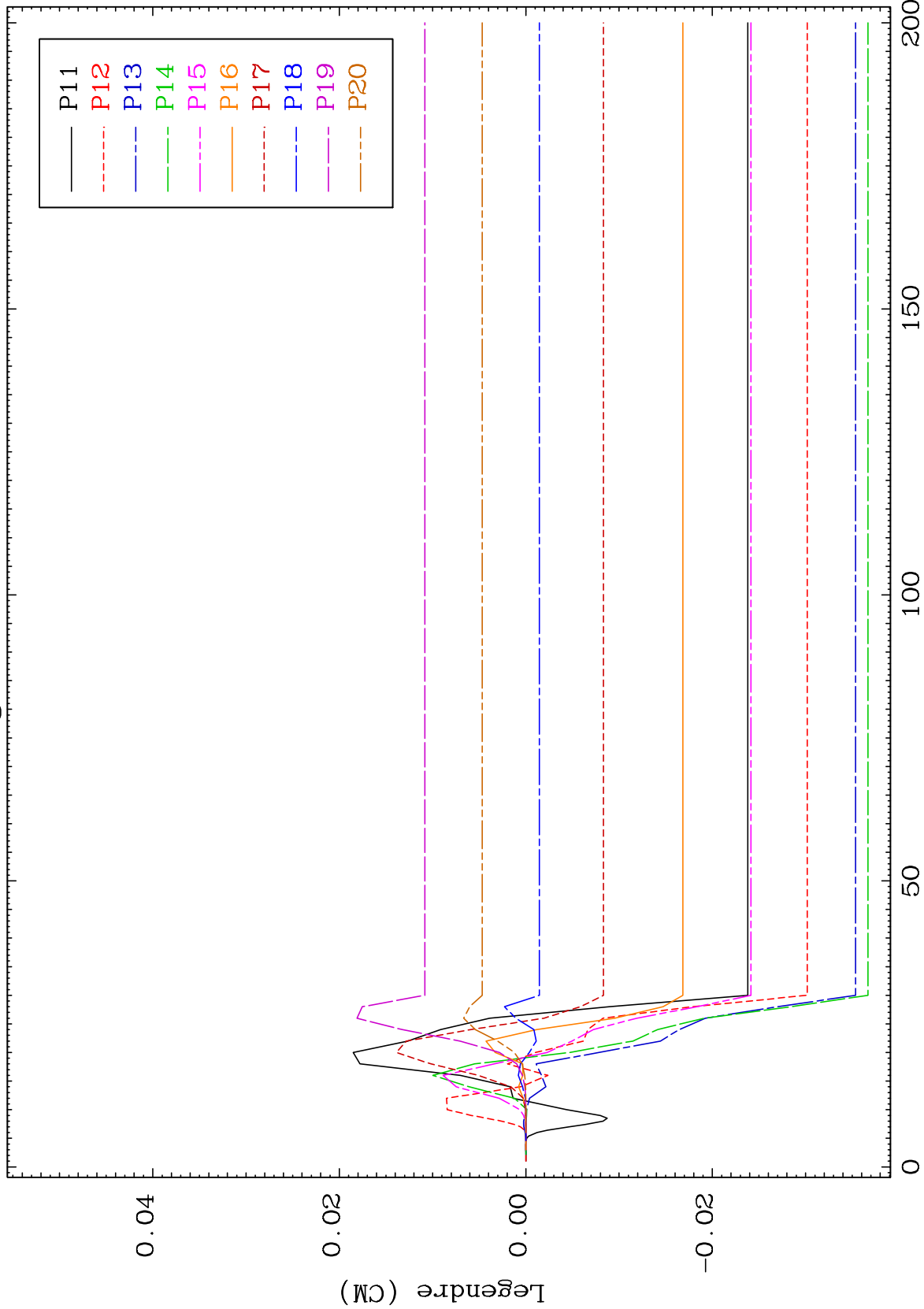
78-Pt-197



MAT 7846

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

78-Pt-197



55

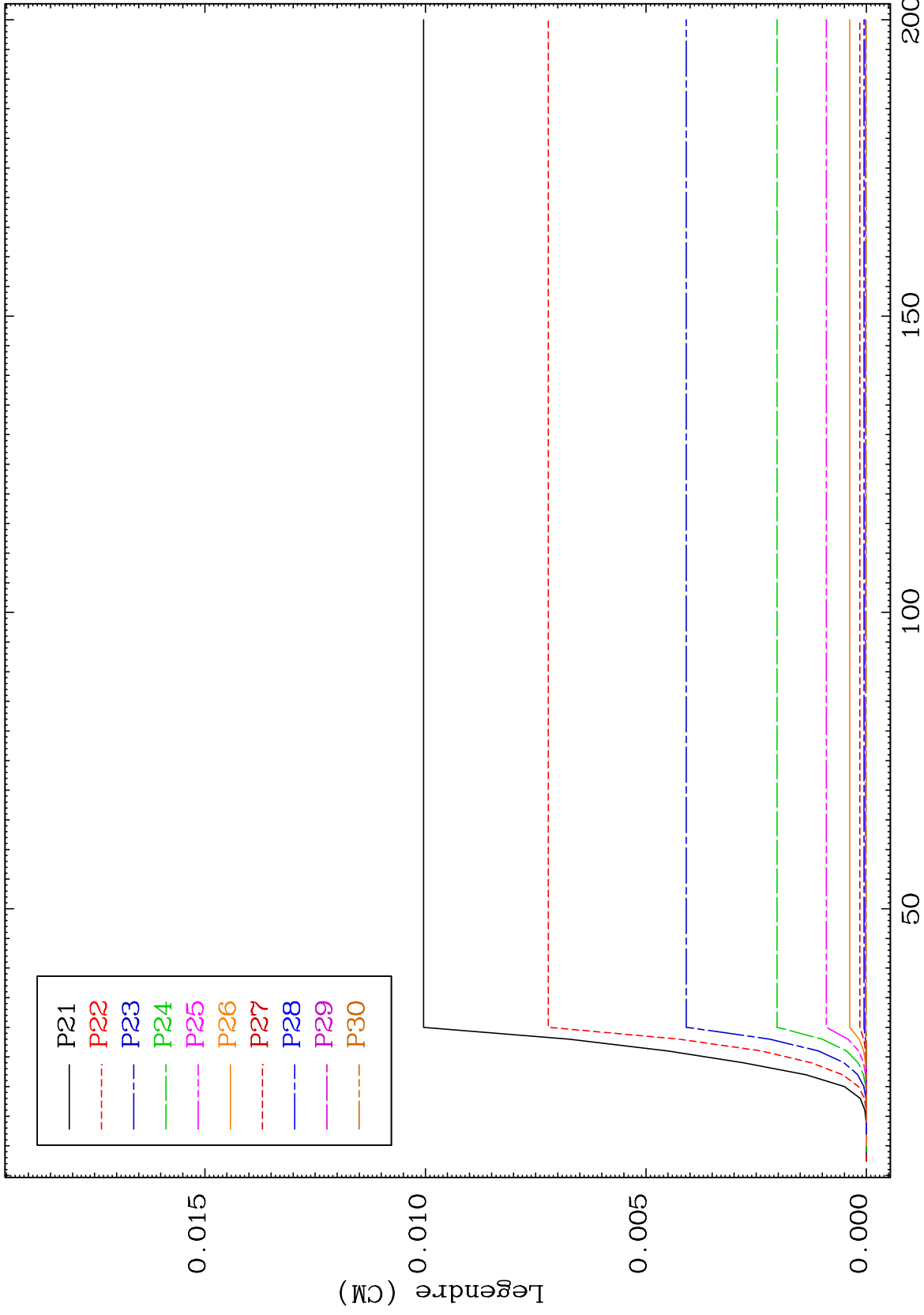
Incident Energy (MeV)

78-Pt-197

MAT 7846

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

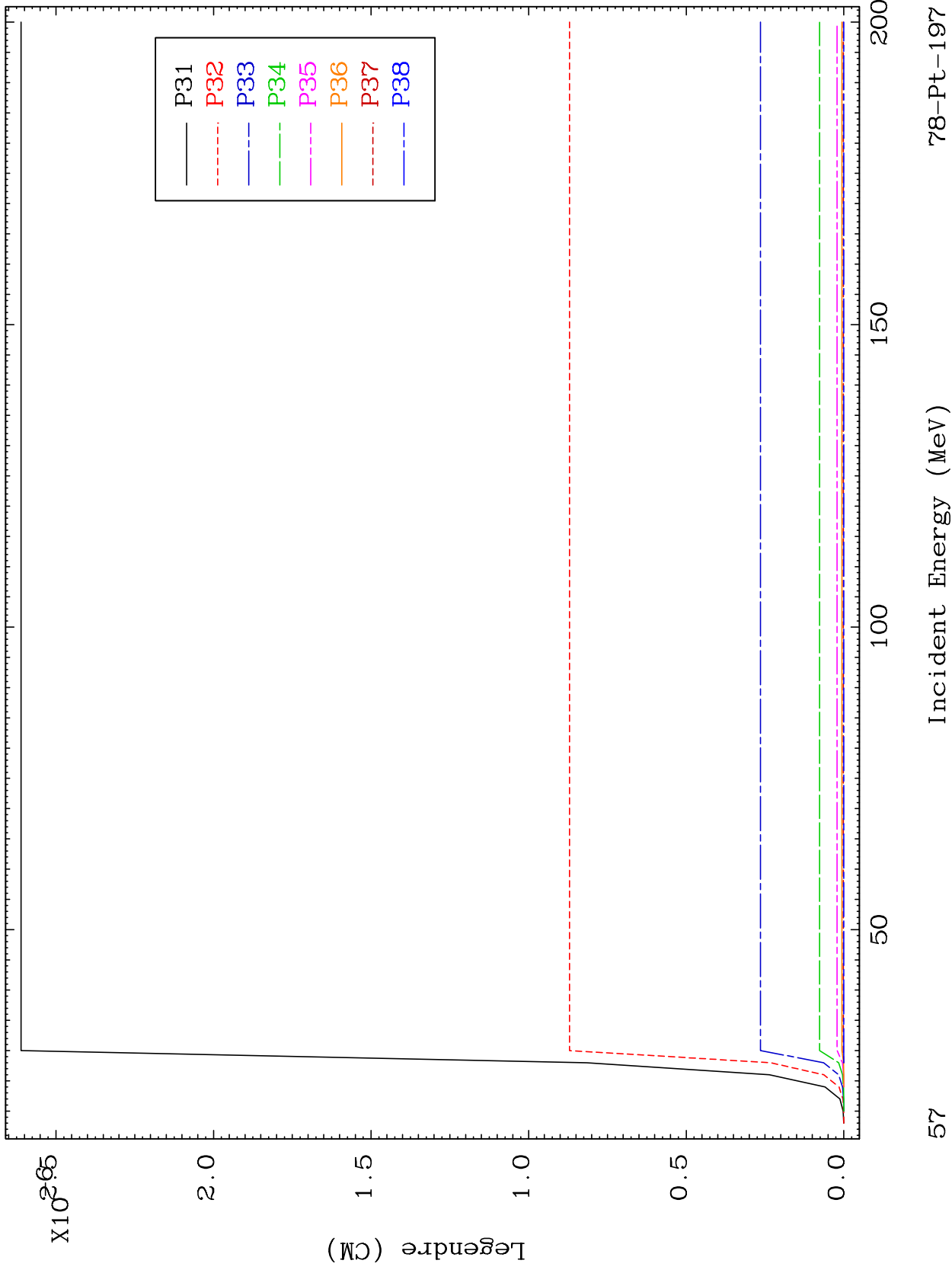
78-Pt-197



56

Incident Energy (MeV)

78-Pt-197

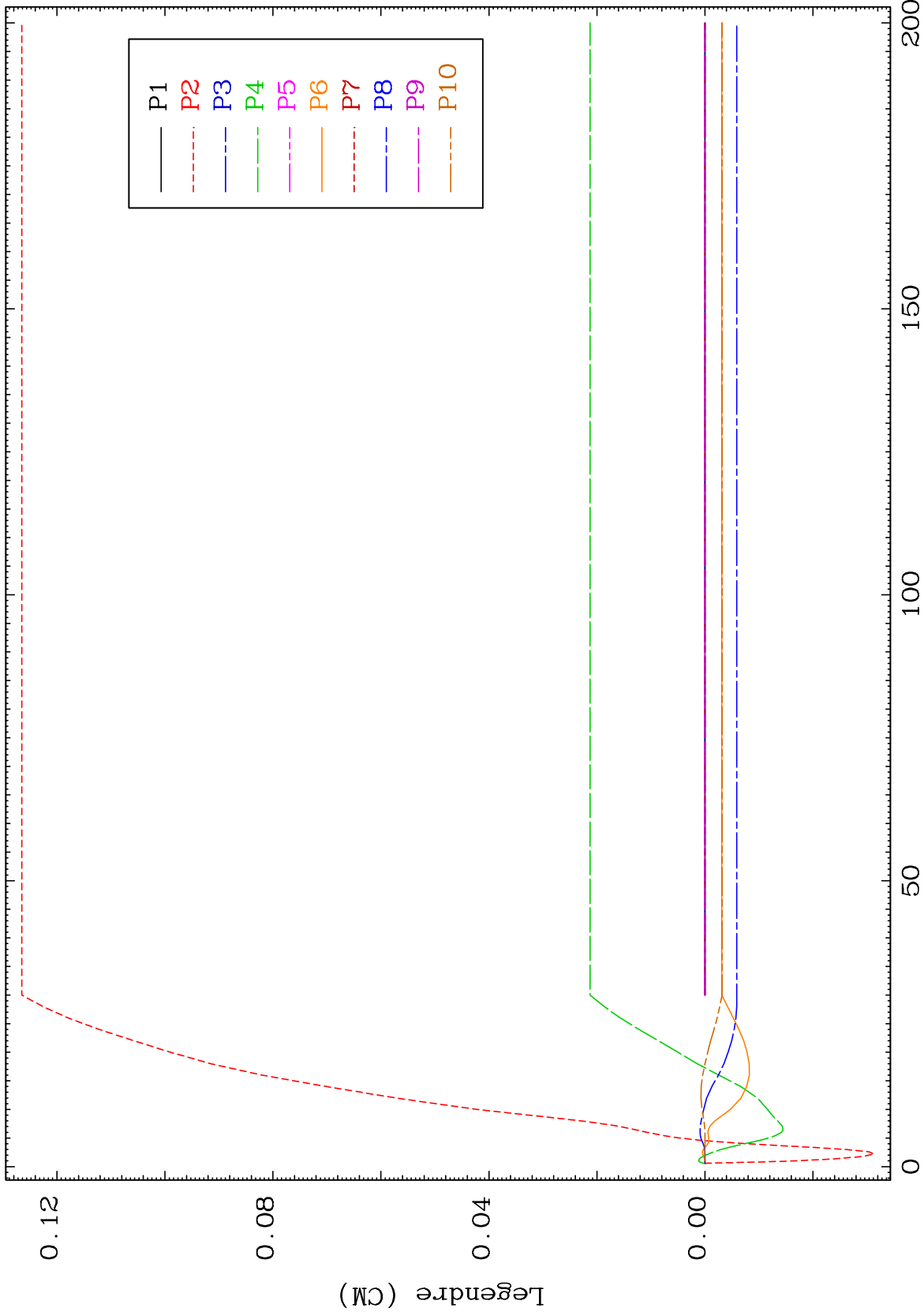


MAT 7846

MT= 62 (n,n') Level

78-Pt-197

Legendre Coefficients



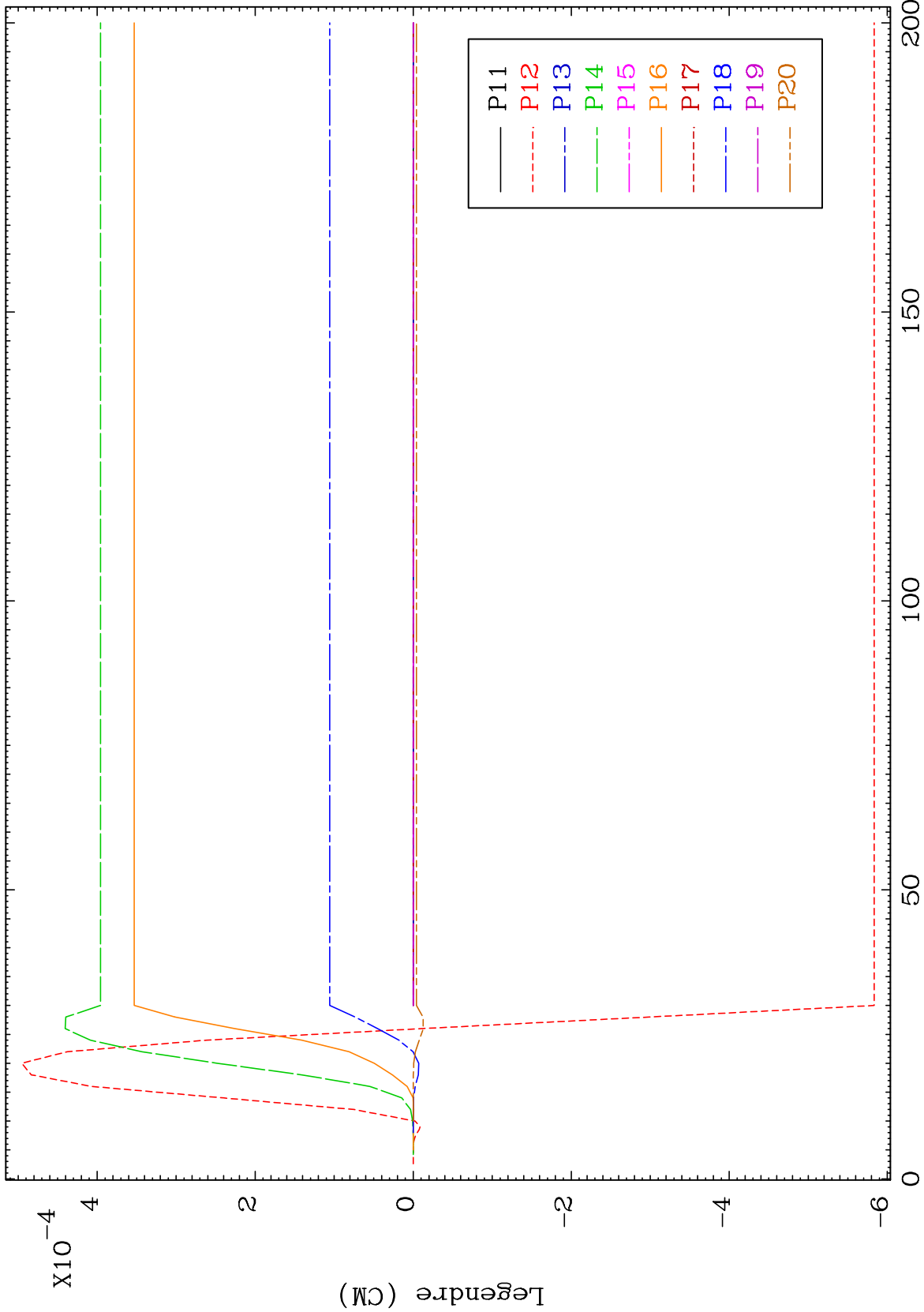
58

78-Pt-197

MAT 7846

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

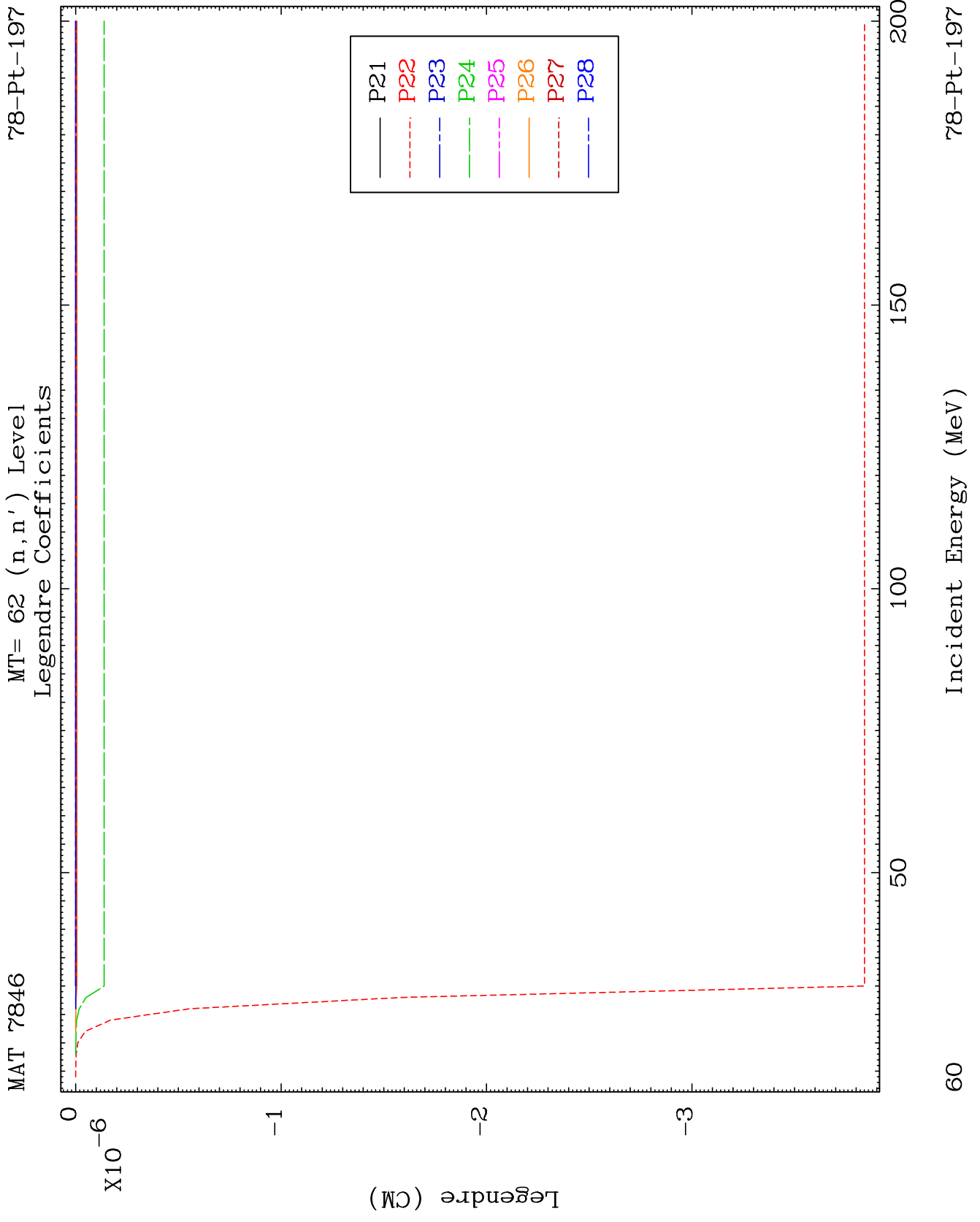
78-Pt-197



59

Incident Energy (MeV)

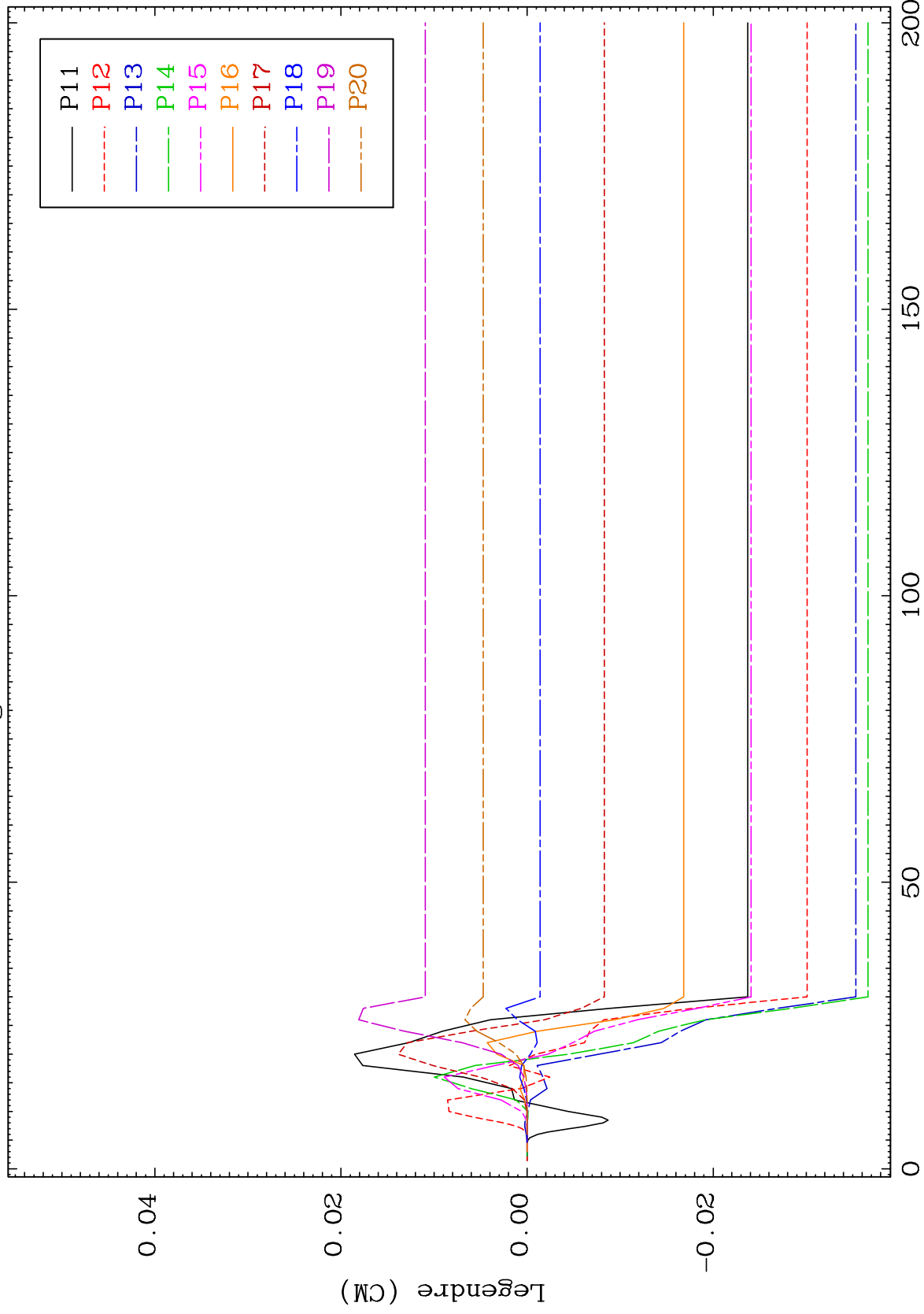
78-Pt-197



MAT 7846

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

78-Pt-197



62

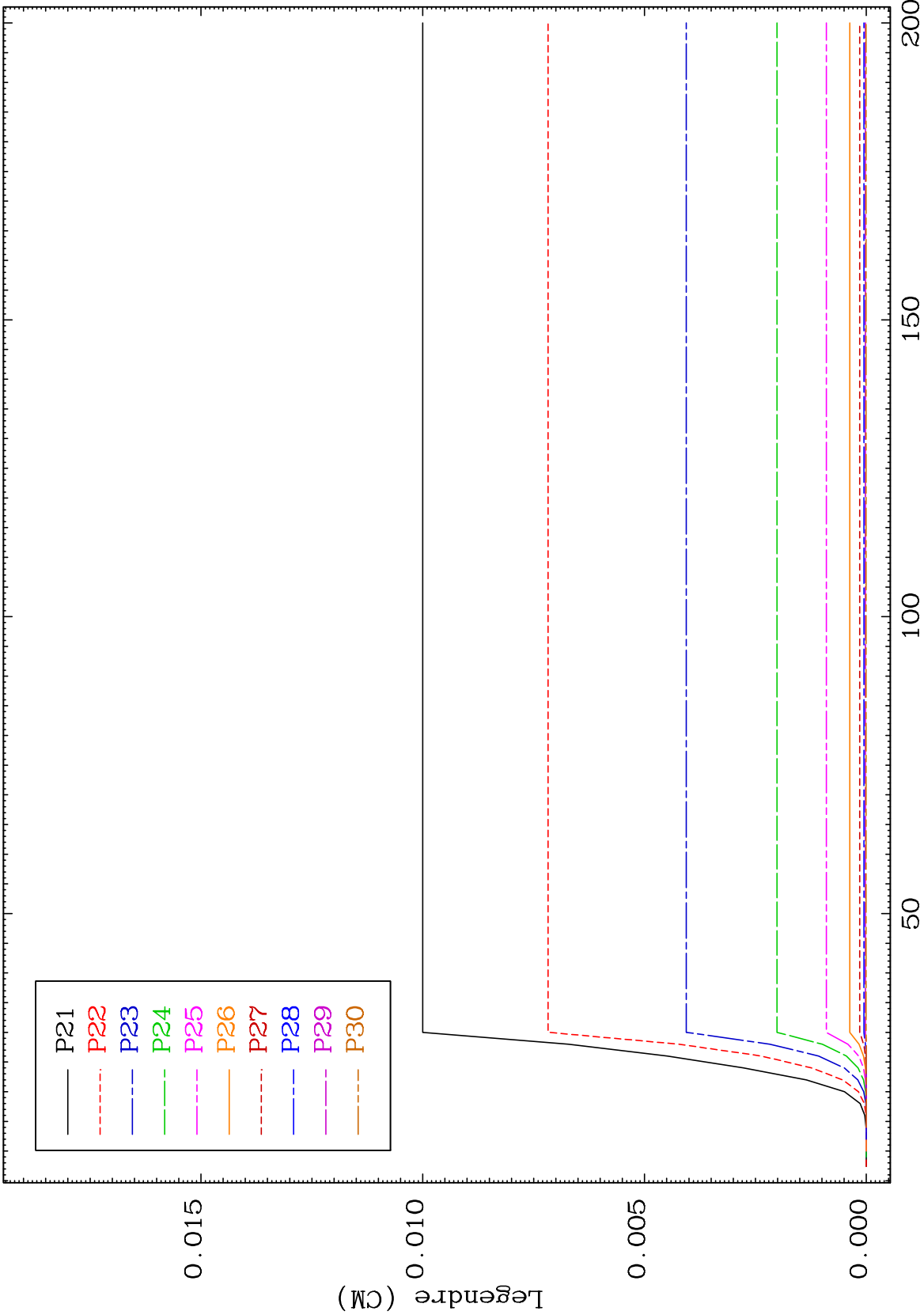
Incident Energy (MeV)

78-Pt-197

MAT 7846

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

78-Pt-197



63

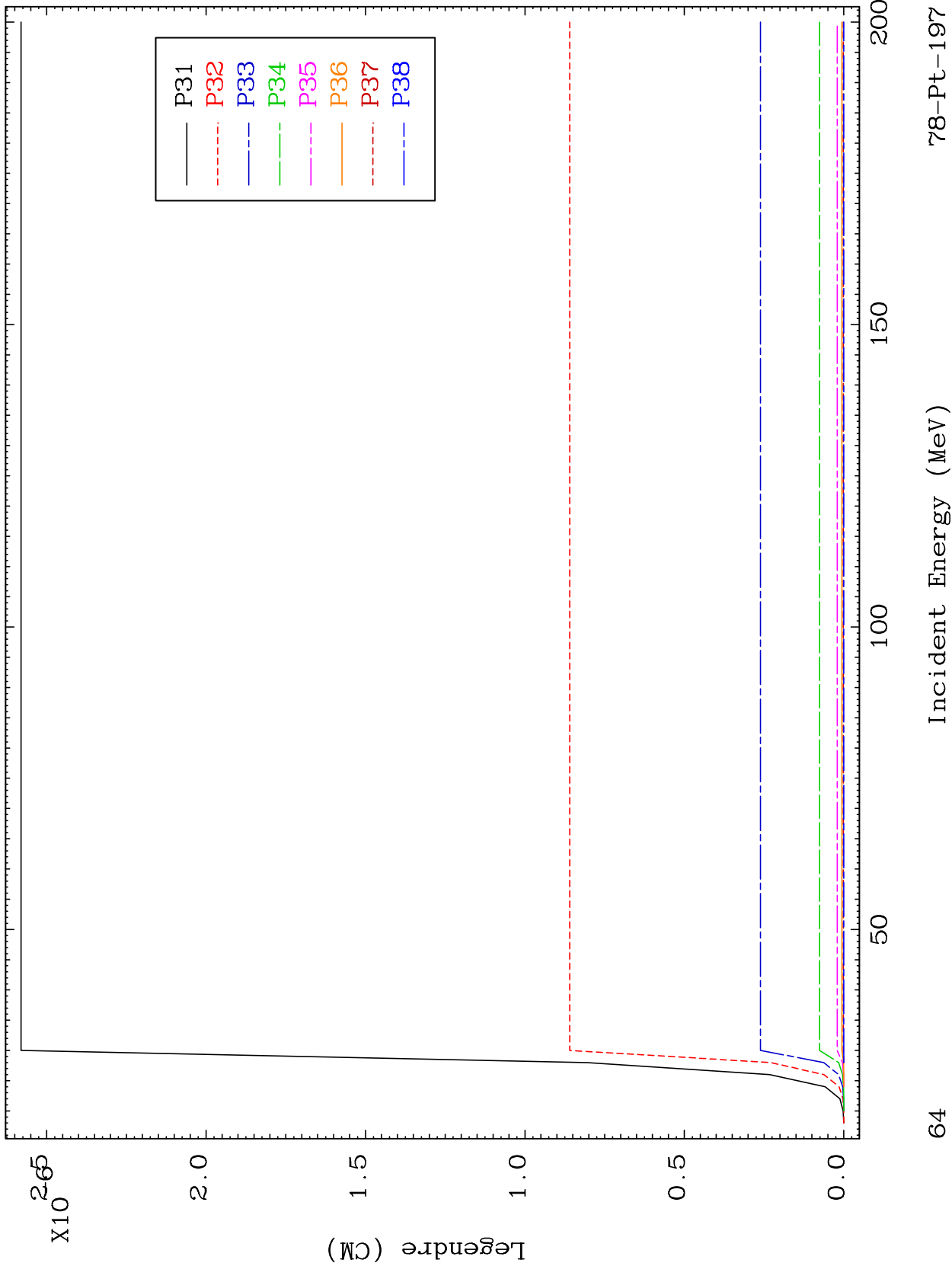
Incident Energy (MeV)

78-Pt-197

MAT 7846

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

78-Pt-197



64

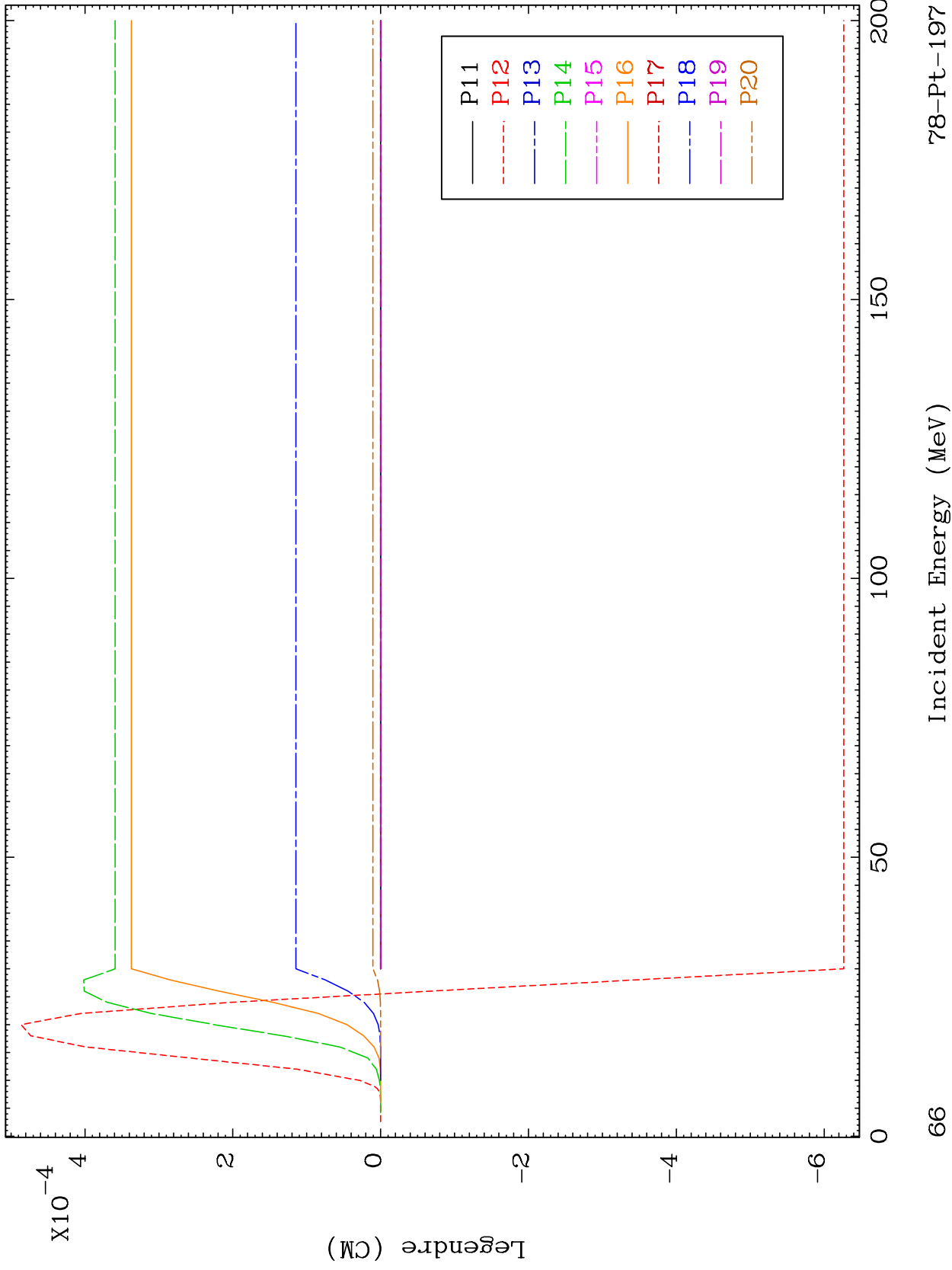
Incident Energy (MeV)

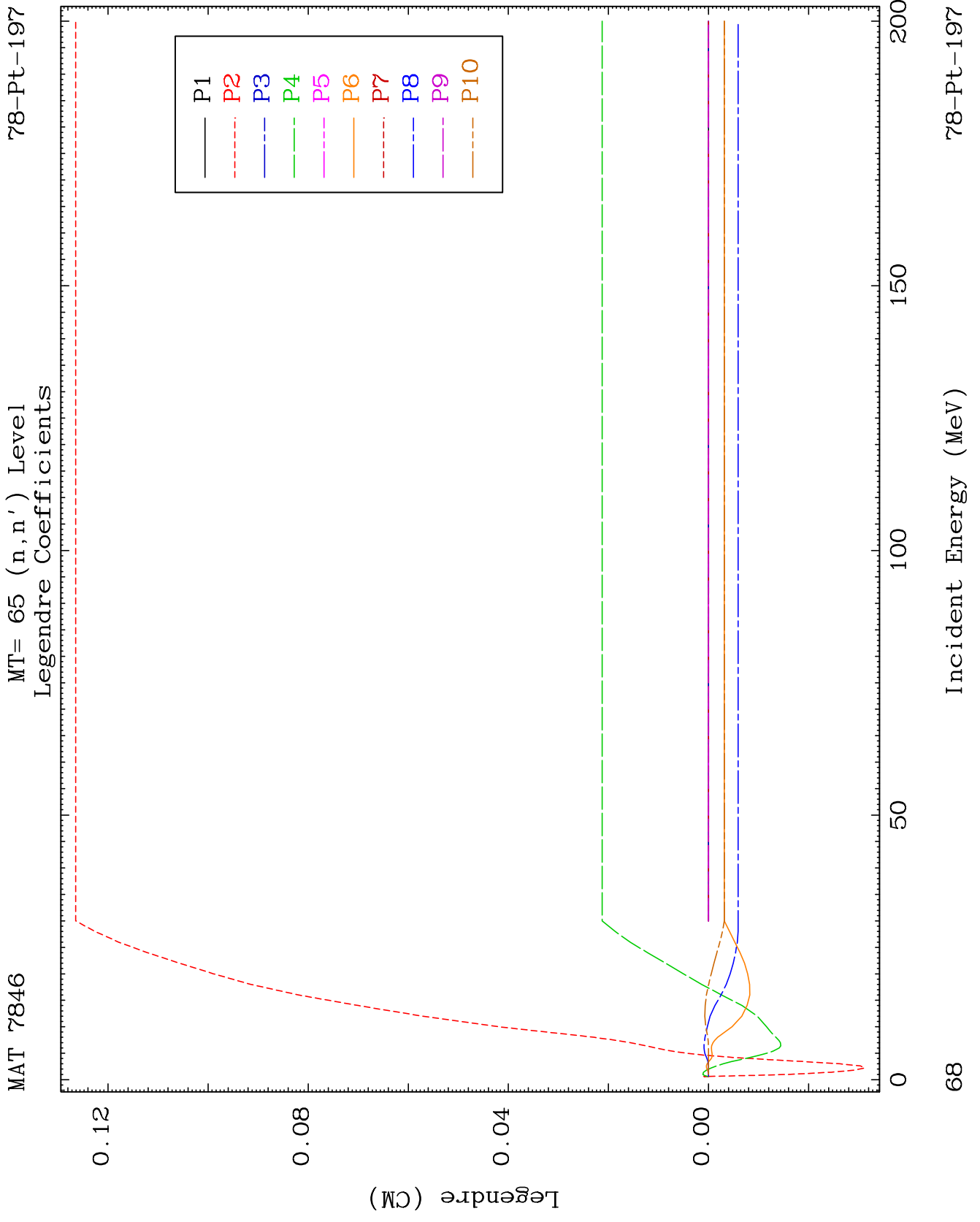
78-Pt-197

MAT 7846

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

78-Pt-197





78-Pt-197

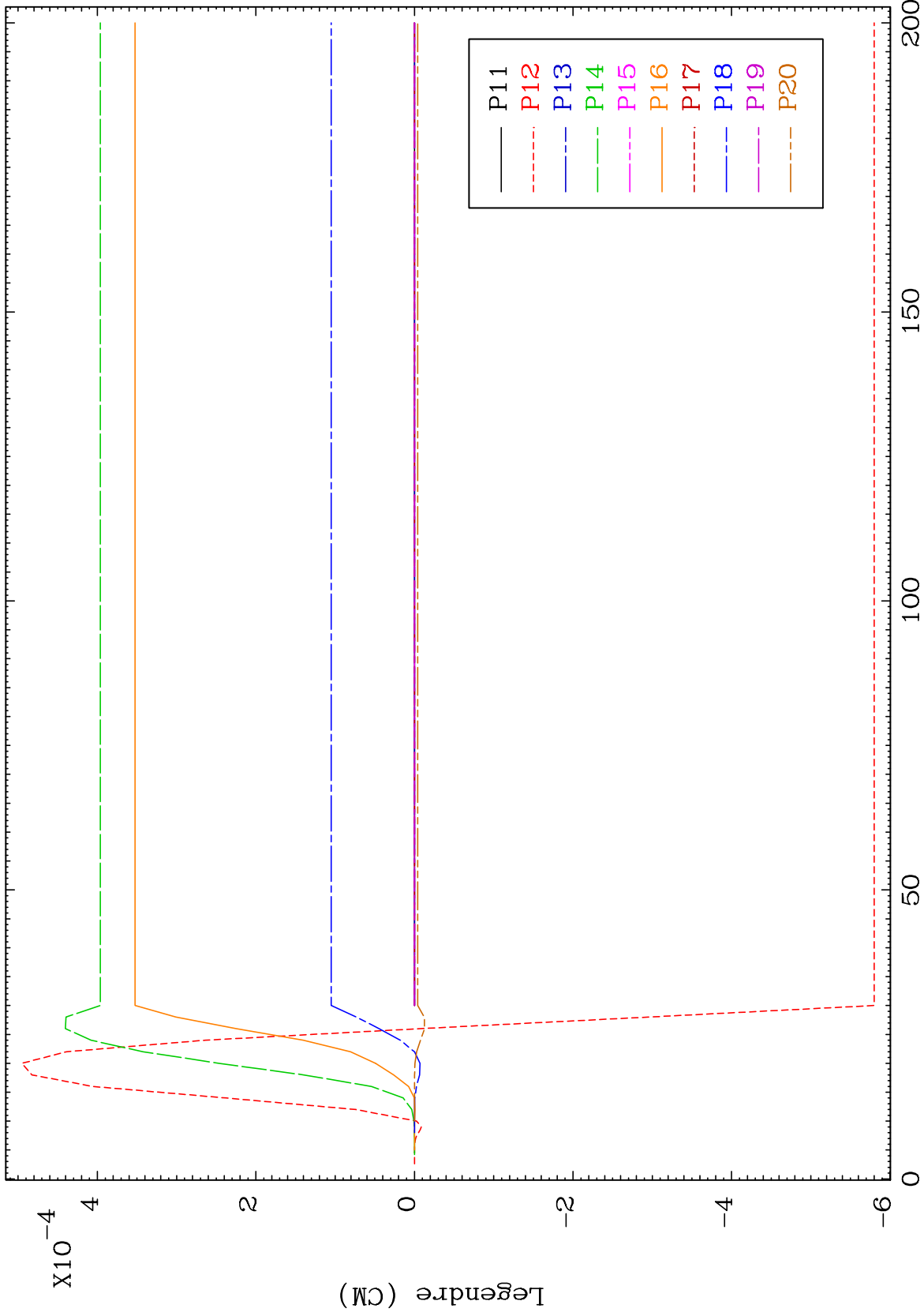
Incident Energy (MeV)

68

MAT 7846

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

78-Pt-197



69

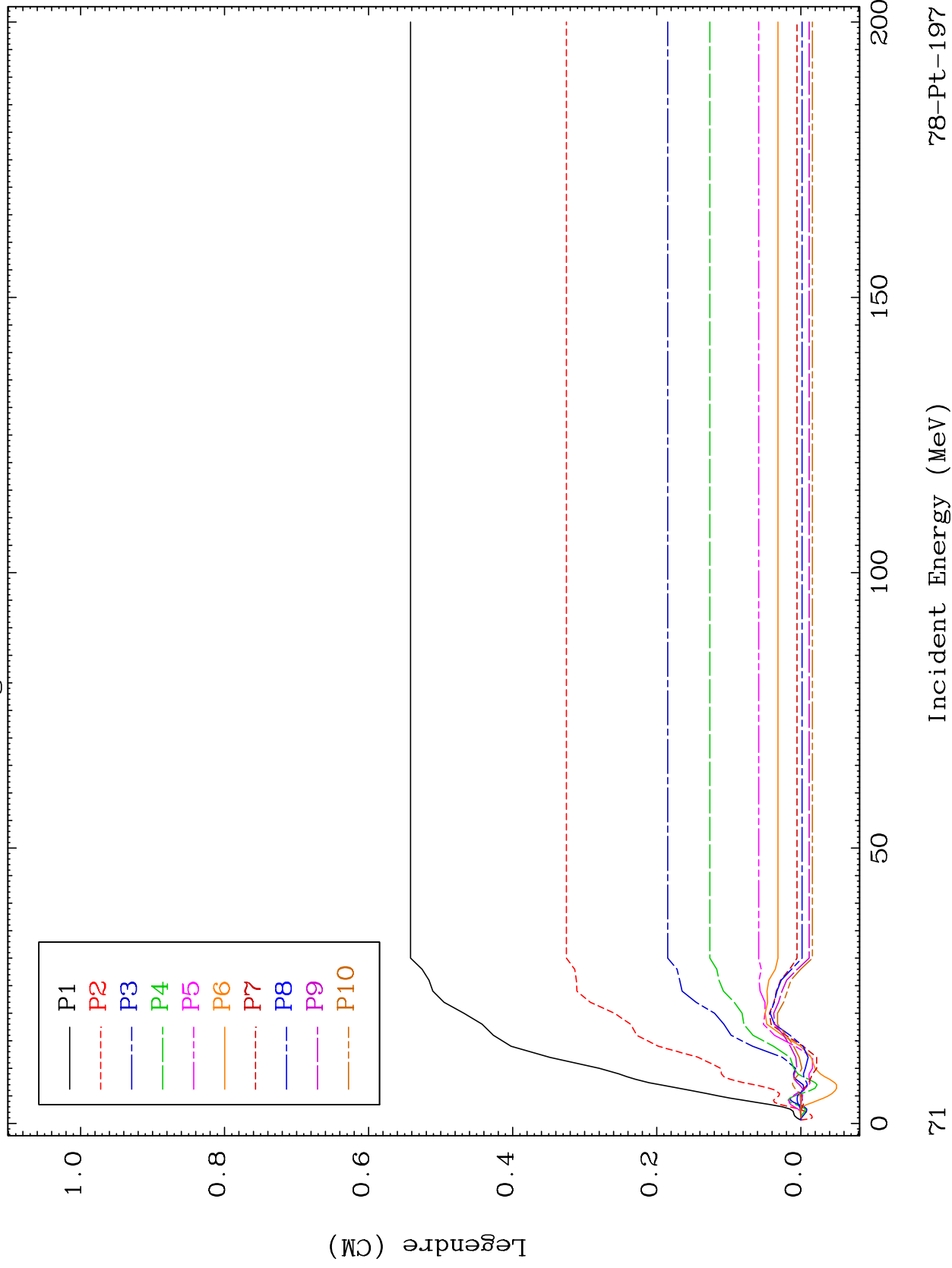
Incident Energy (MeV)

78-Pt-197

MAT 7846

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

78-Pt-197



78-Pt-197

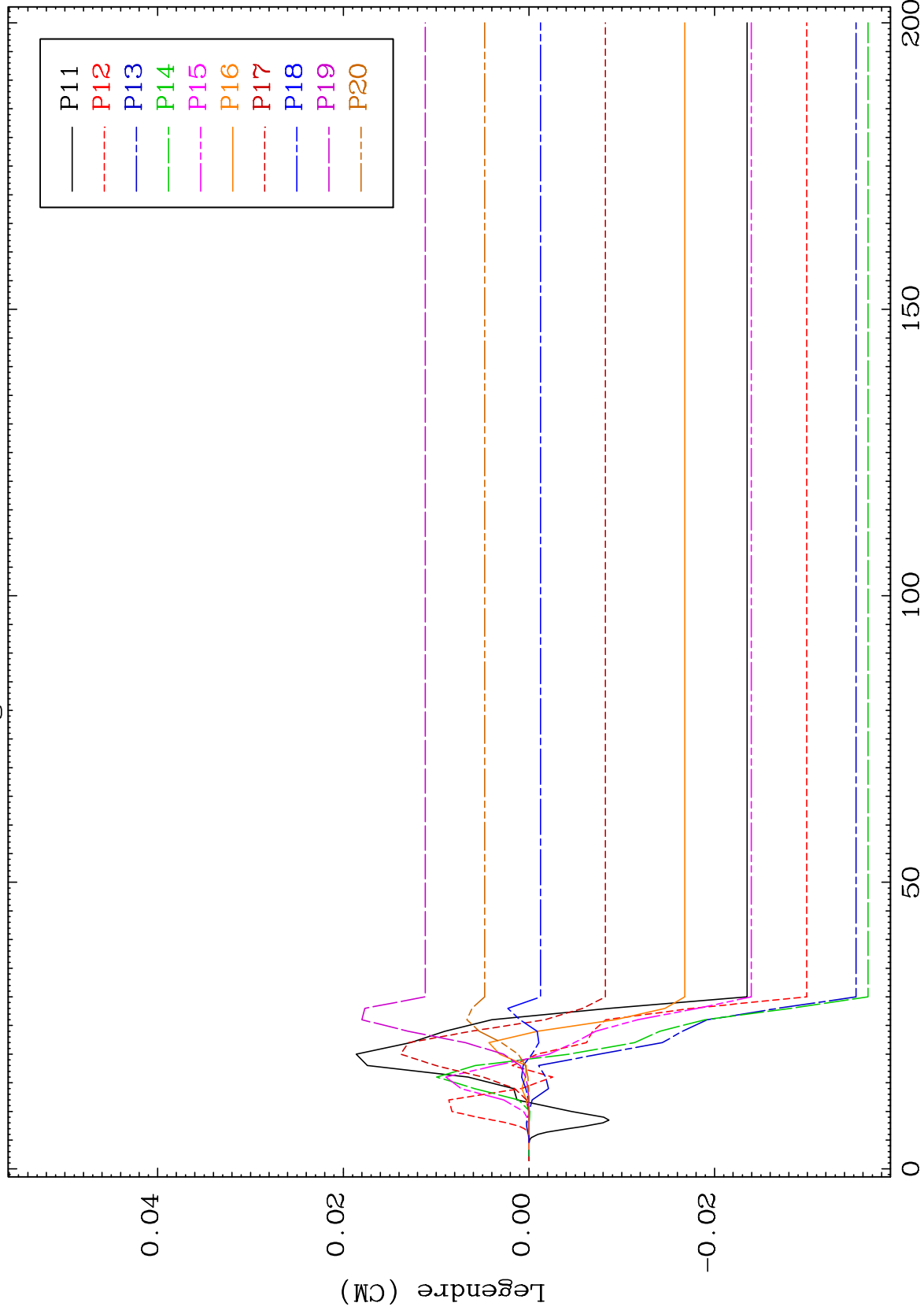
Incident Energy (MeV)

71

MAT 7846

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

78-Pt-197



72

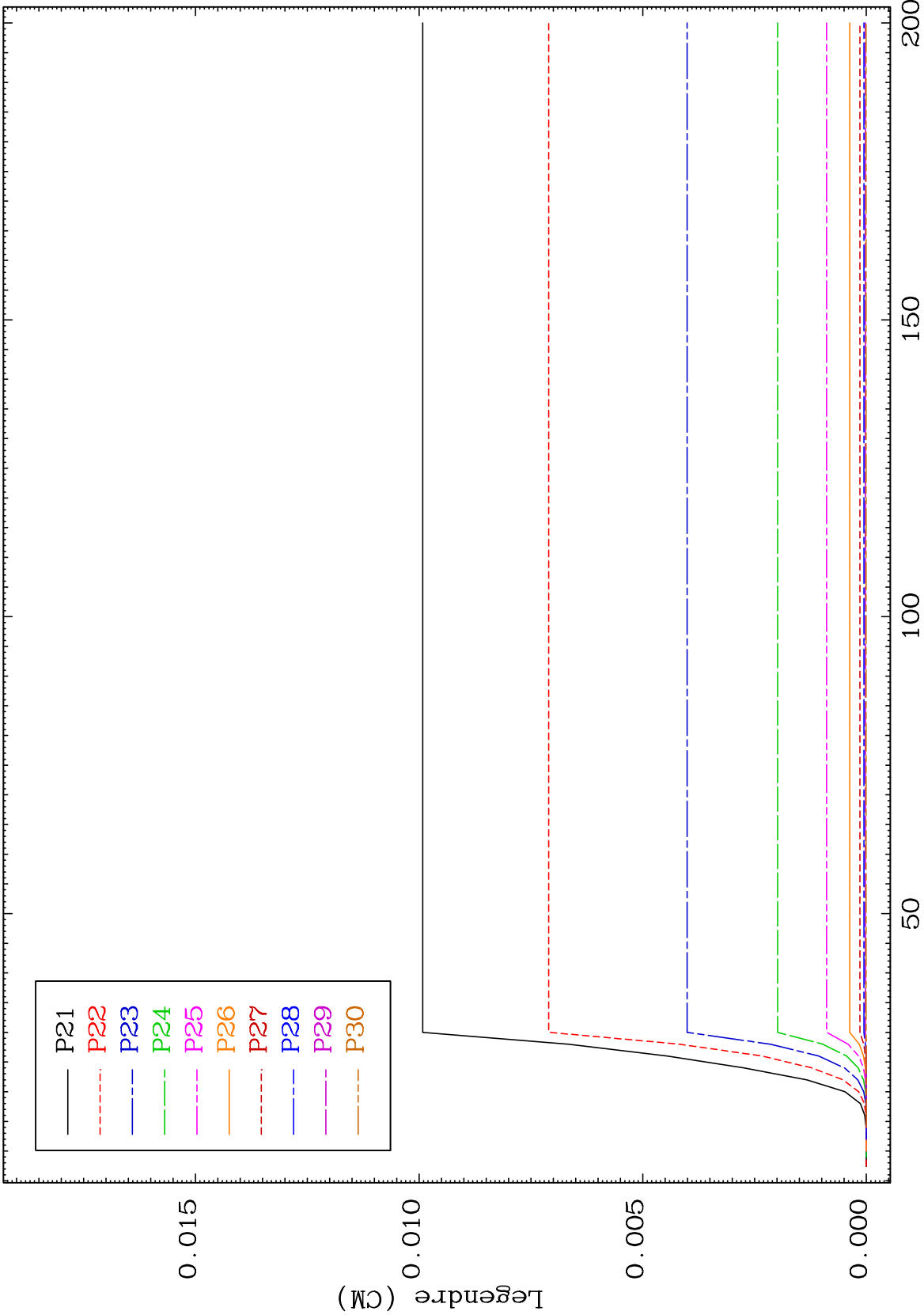
Incident Energy (MeV)

78-Pt-197

MAT 7846

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

78-Pt-197



73

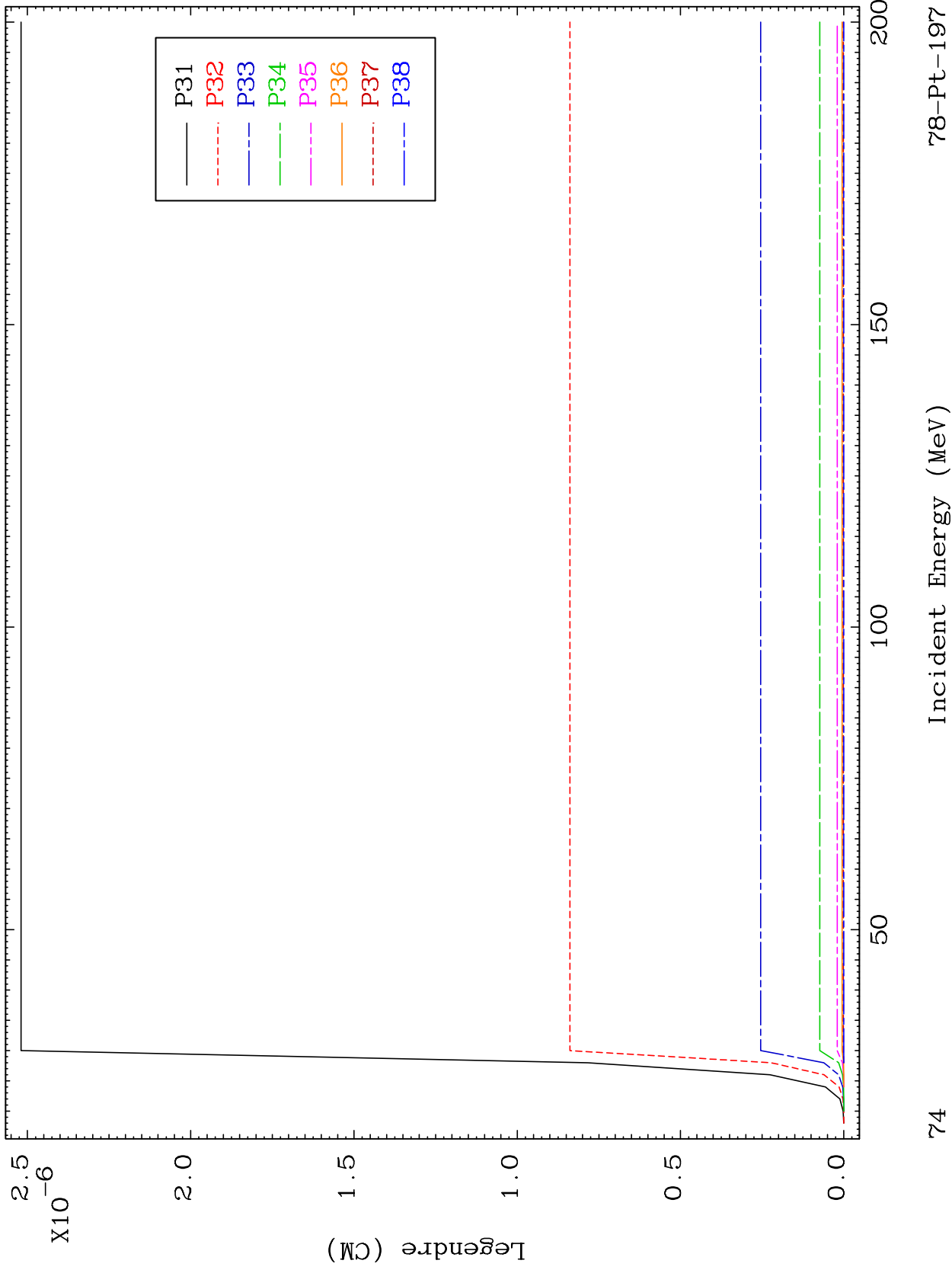
Incident Energy (MeV)

78-Pt-197

MAT 7846

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

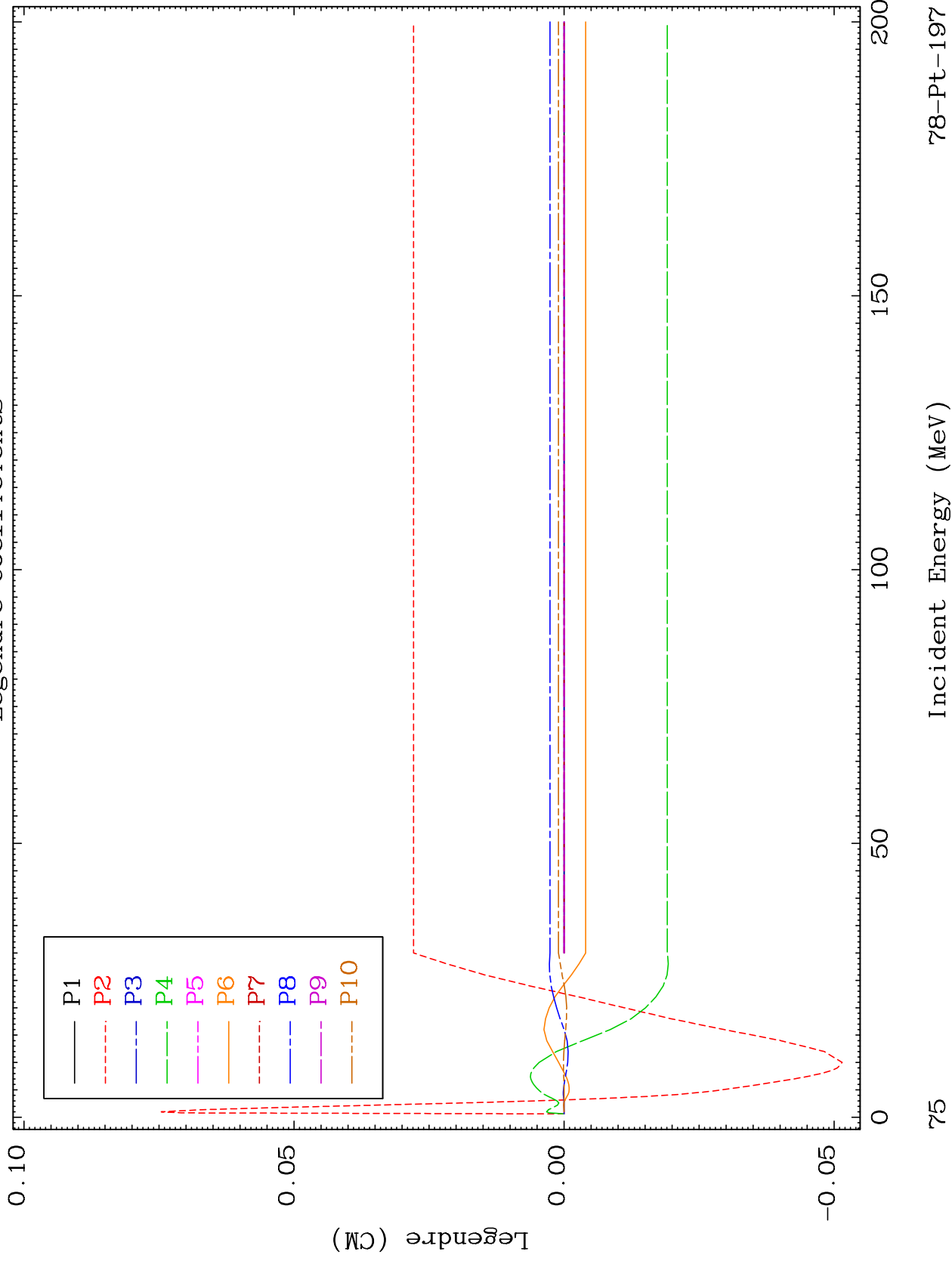
78-Pt-197



MAT 7846

MT= 67 (n,n') Level
Legendre Coefficients

78-Pt-197



78-Pt-197

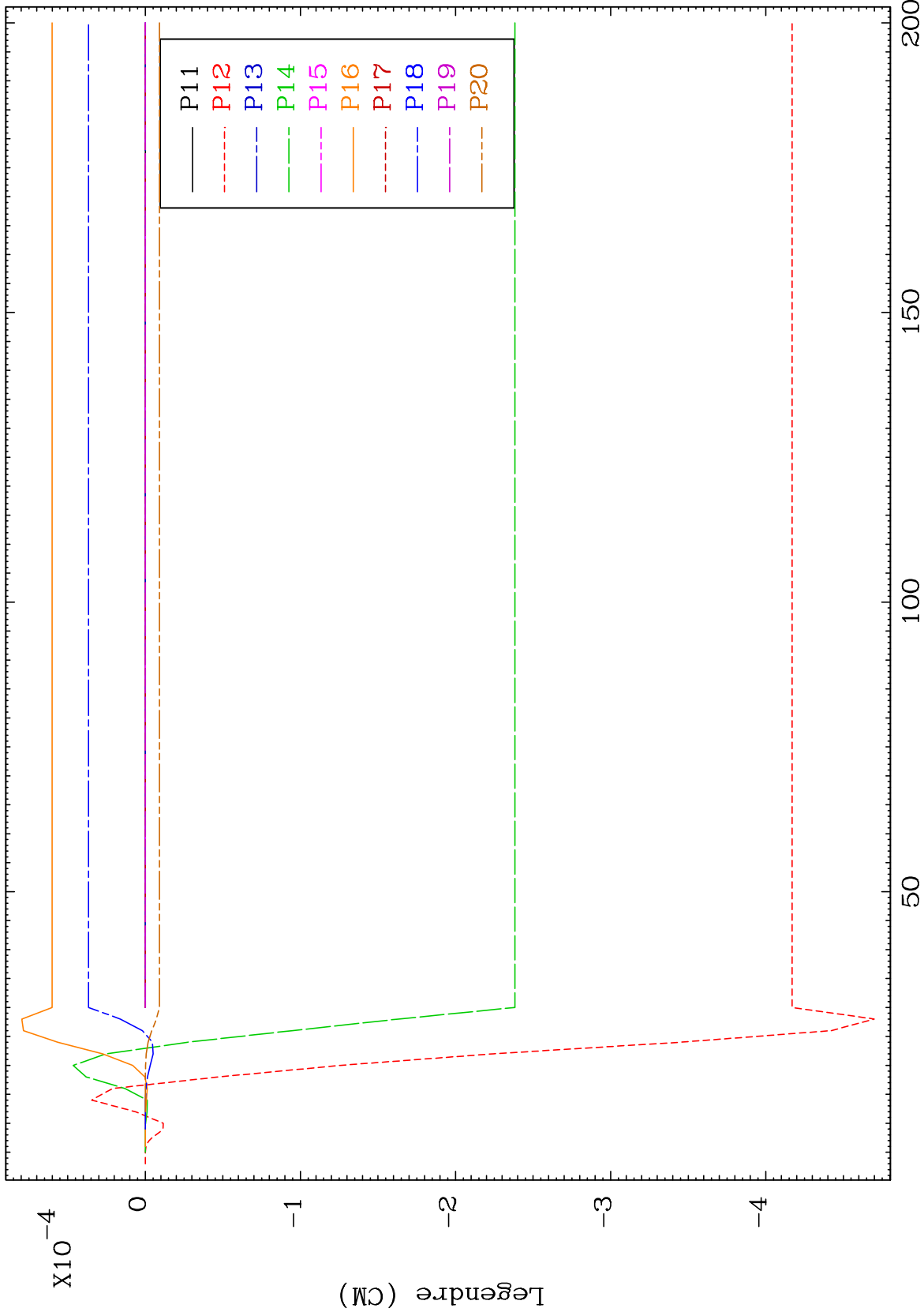
Incident Energy (MeV)

75

MAT 7846

MT= 67 (n,n') Level
Legendre Coefficients

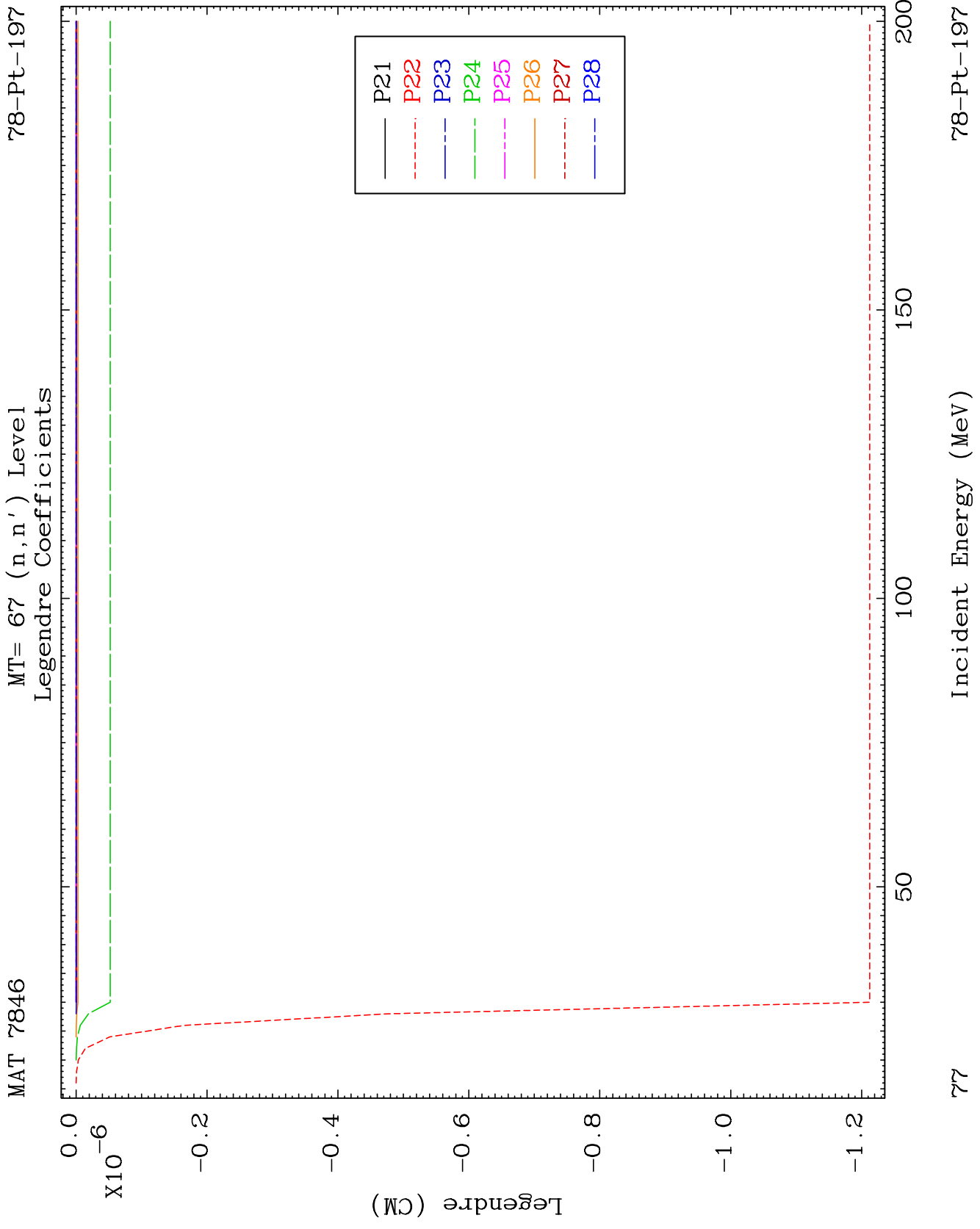
78-Pt-197



76

Incident Energy (MeV)

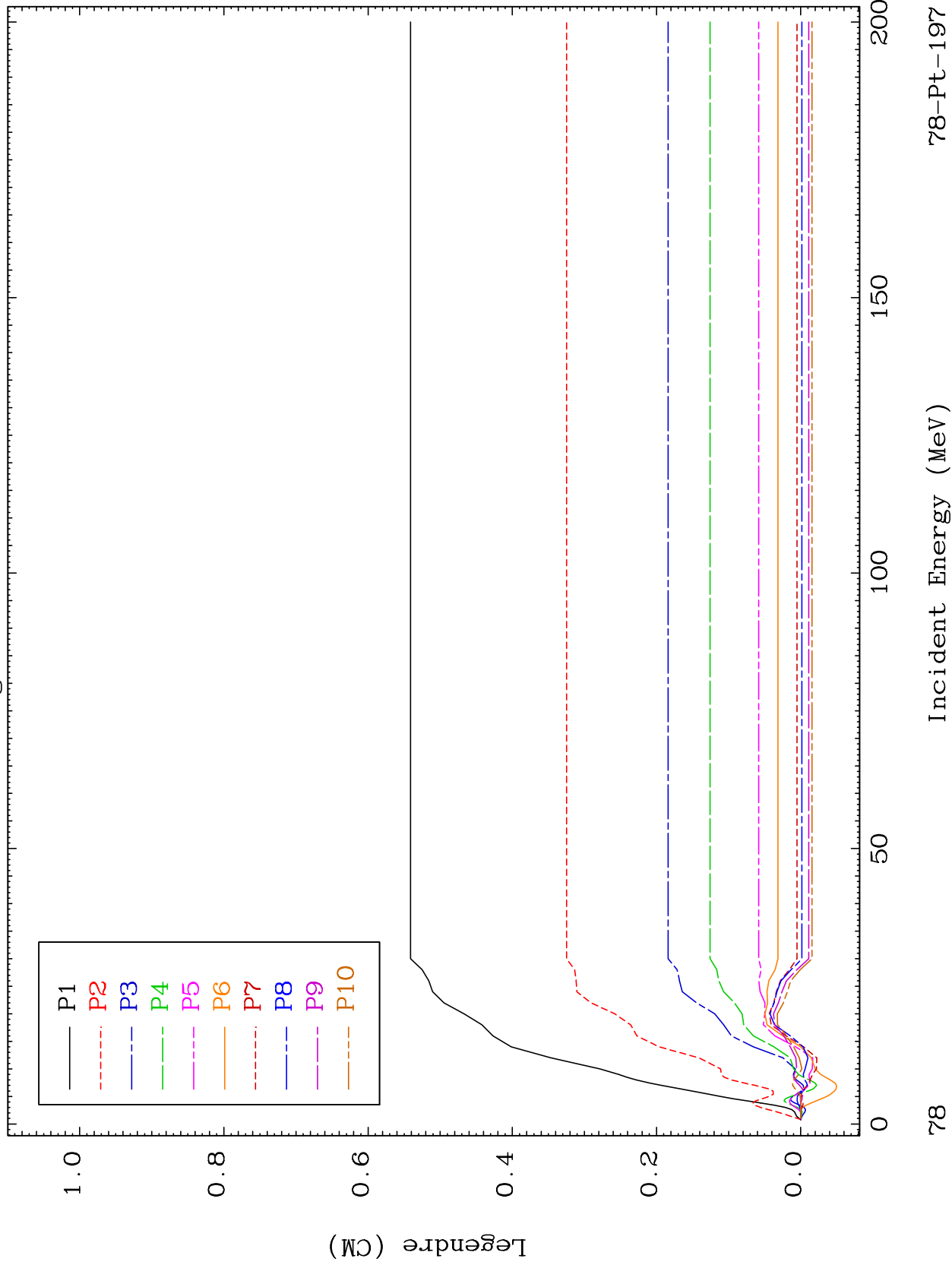
78-Pt-197



MAT 7846

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

78-Pt-197



78-Pt-197

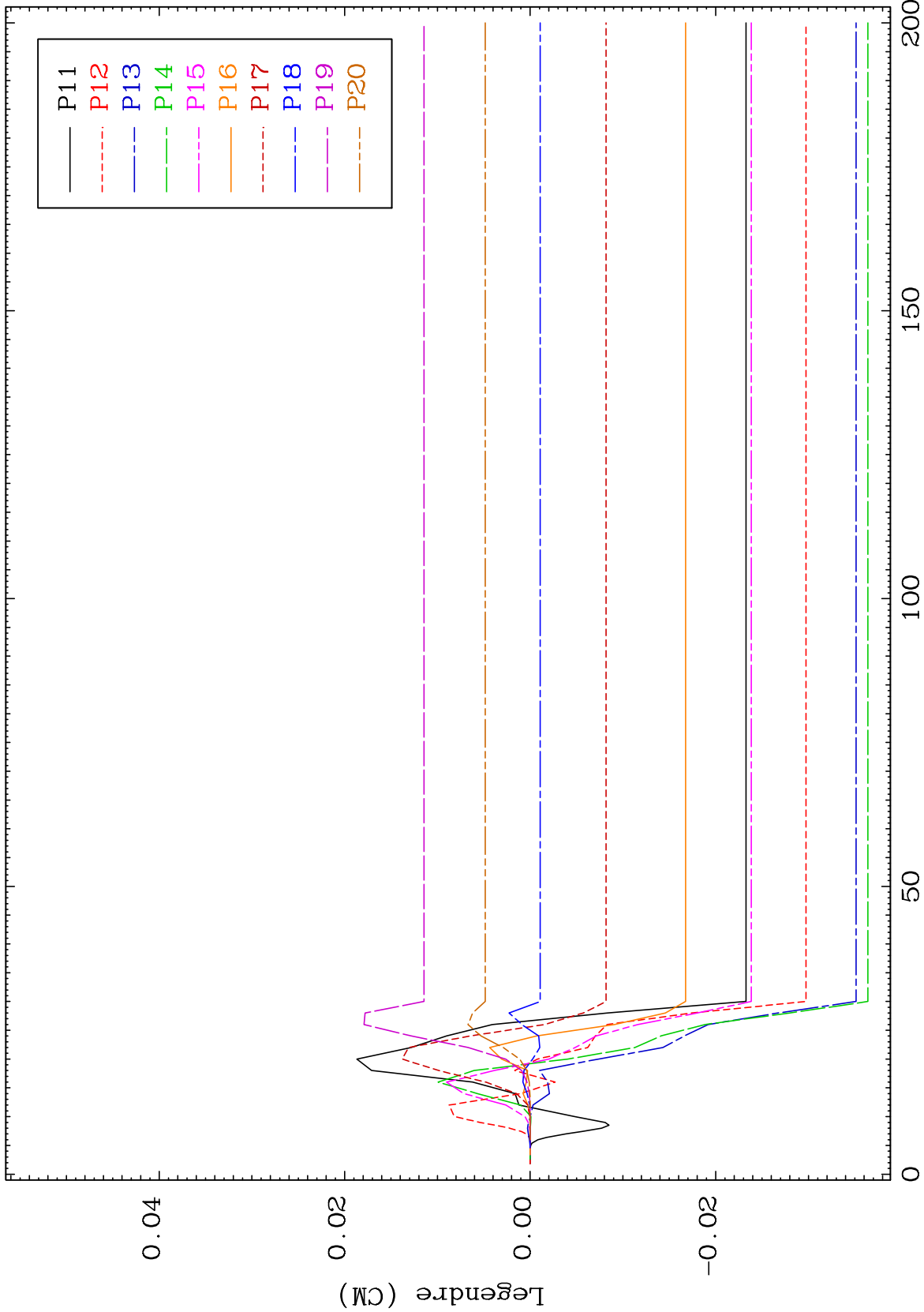
Incident Energy (MeV)

78

MAT 7846

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

78-Pt-197



79

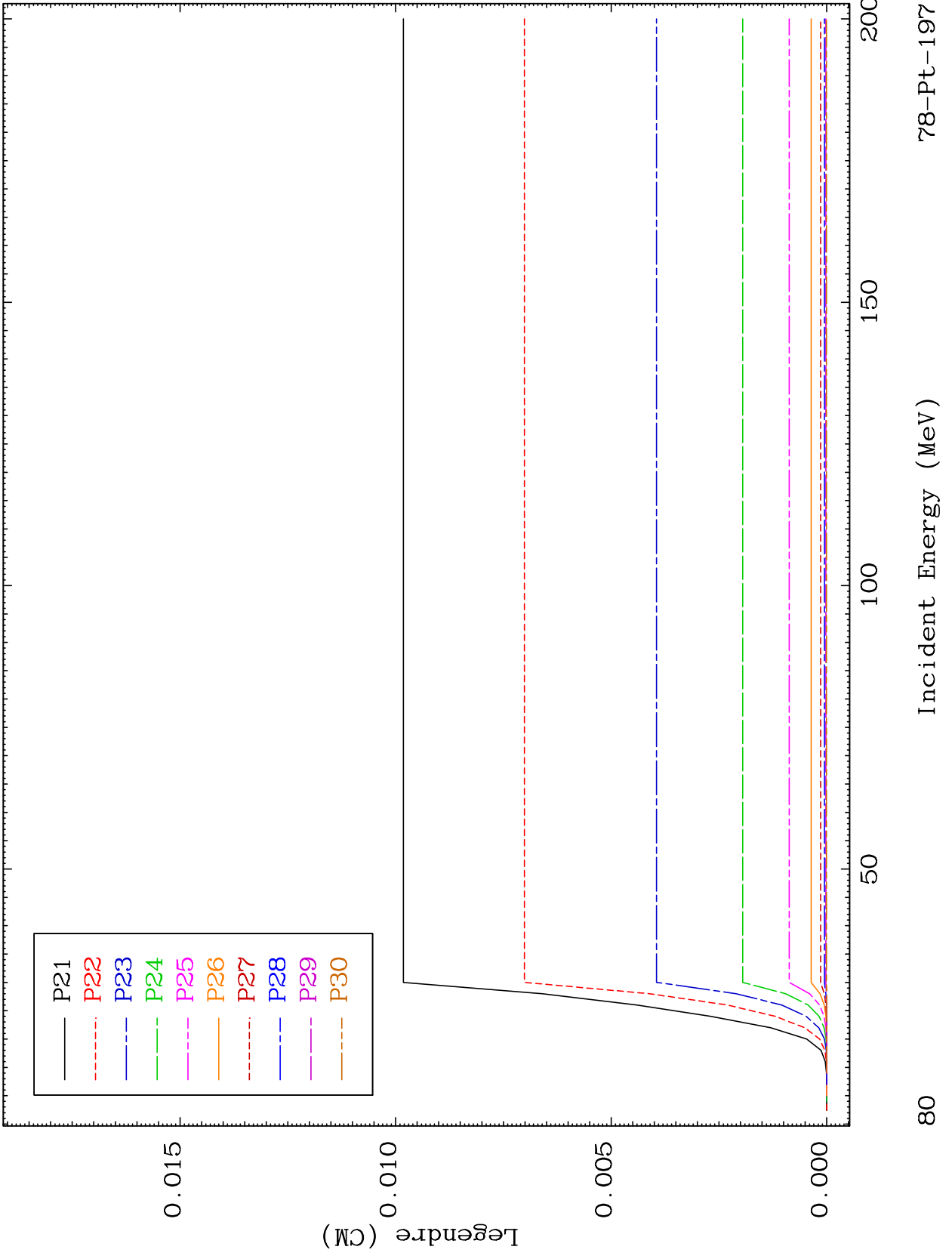
Incident Energy (MeV)

78-Pt-197

MAT 7846

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

78-Pt-197



80

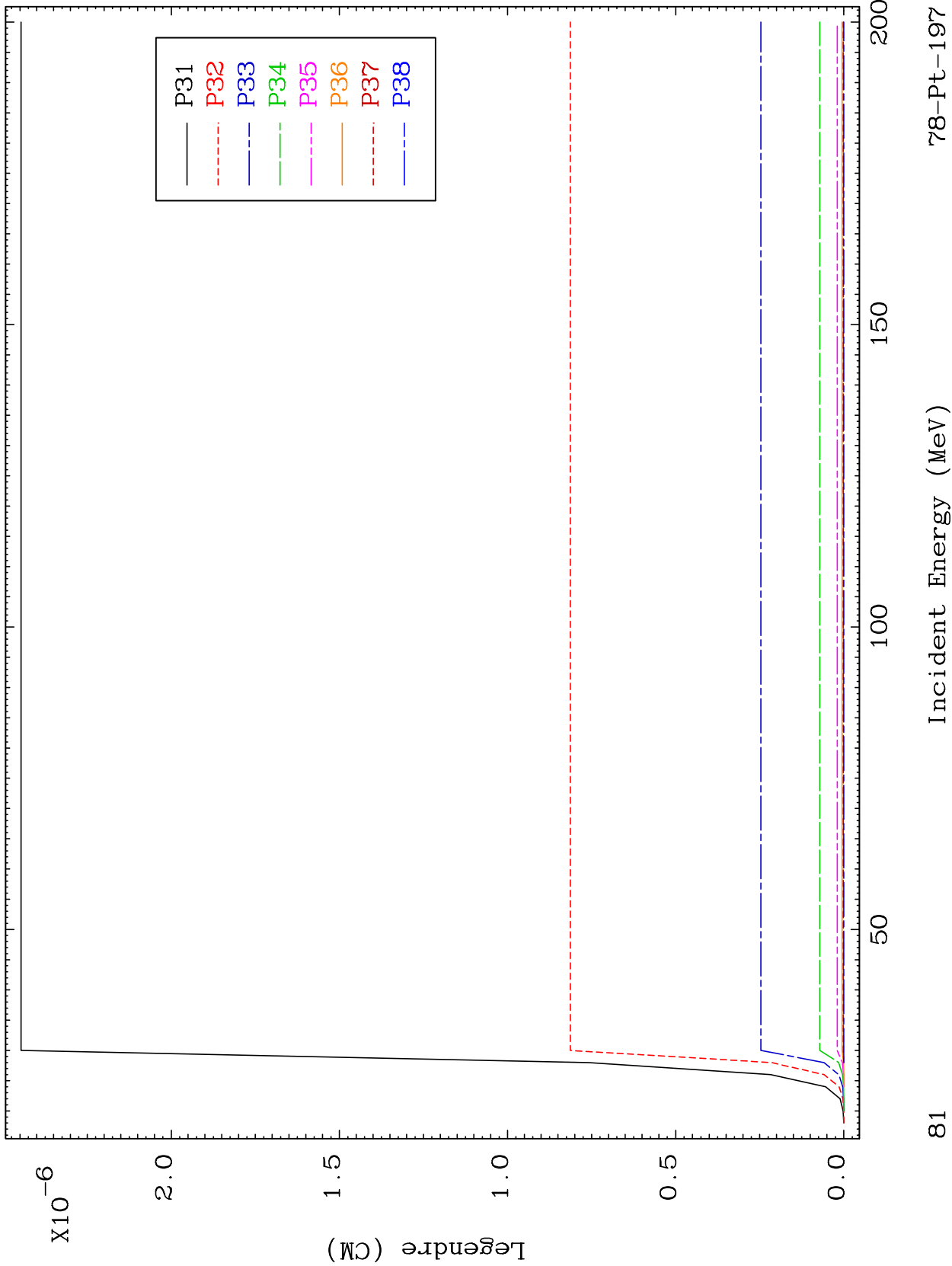
Incident Energy (MeV)

78-Pt-197

MAT 7846

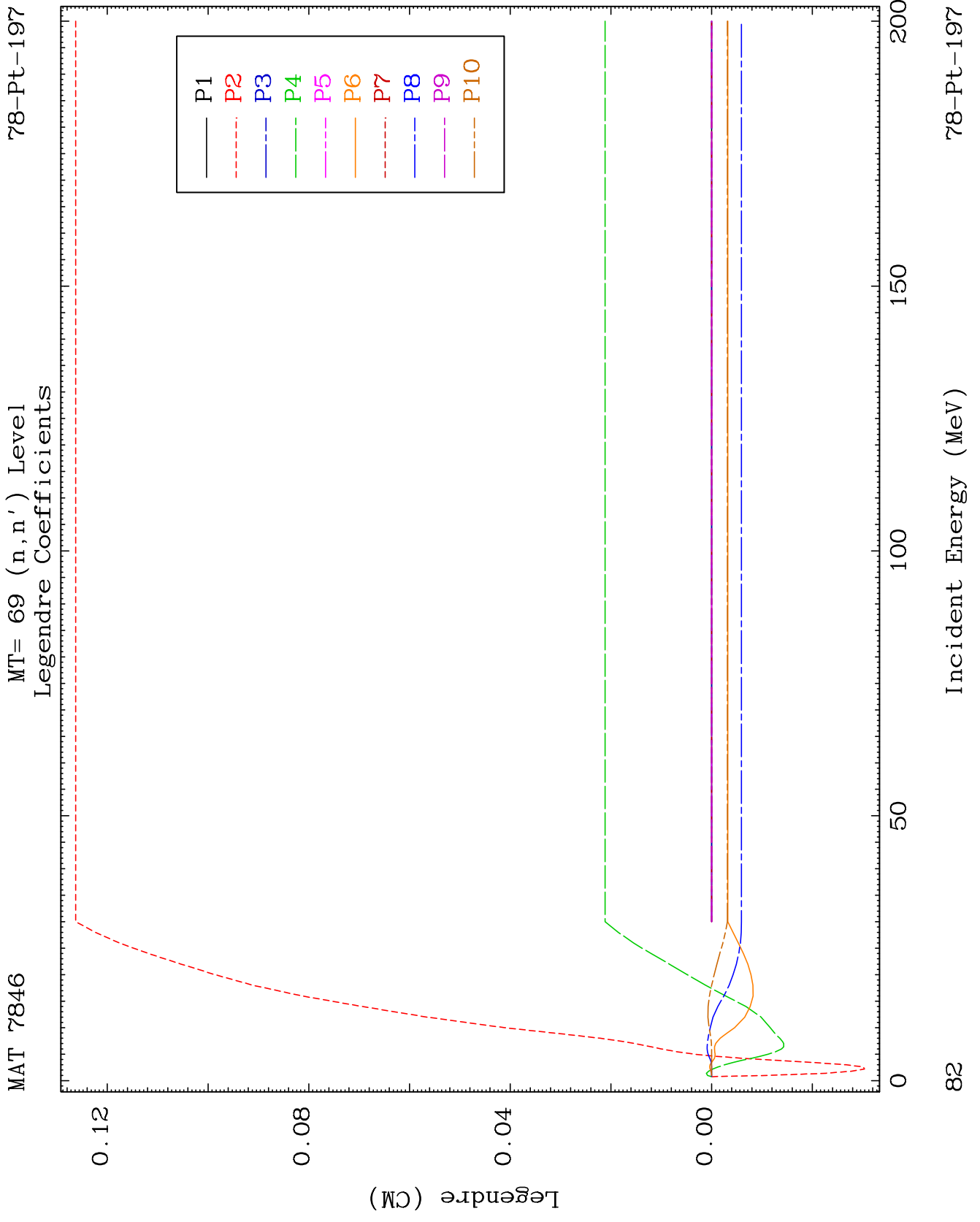
MT= 68 (n,n') Level
Legendre Coefficients

78-Pt-197



81

78-Pt-197



78-Pt-197

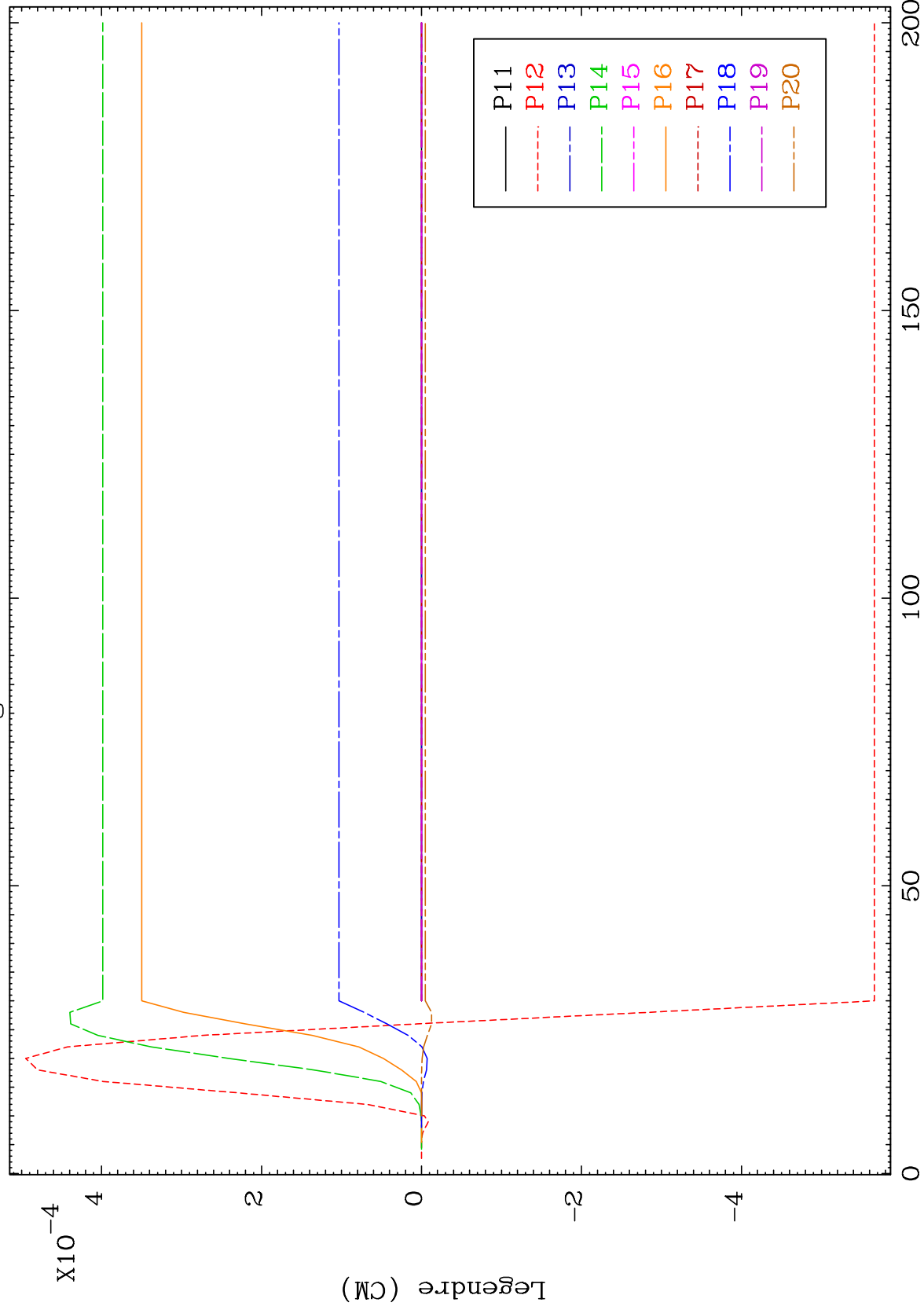
Incident Energy (MeV)

82

MAT 7846

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

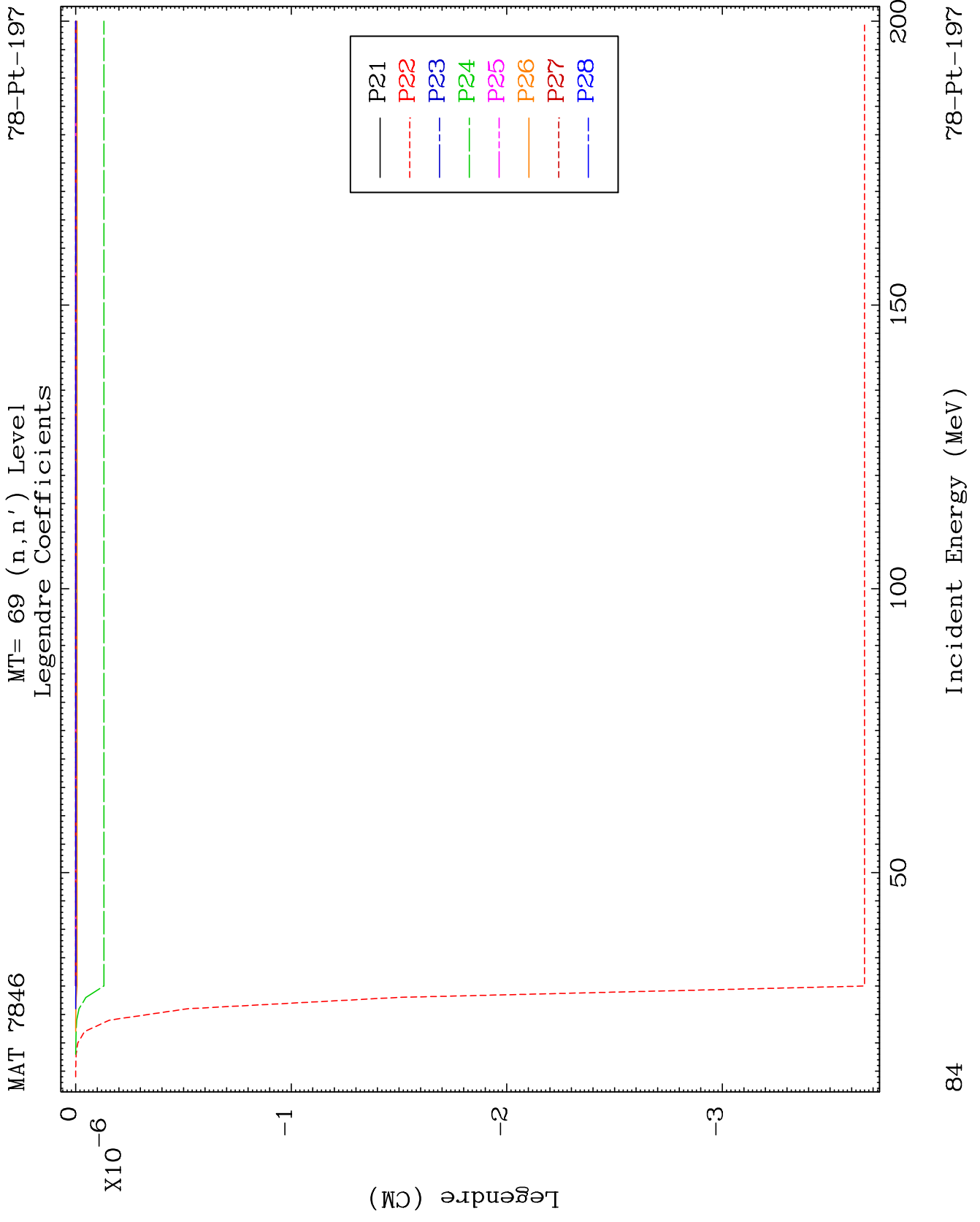
78-Pt-197

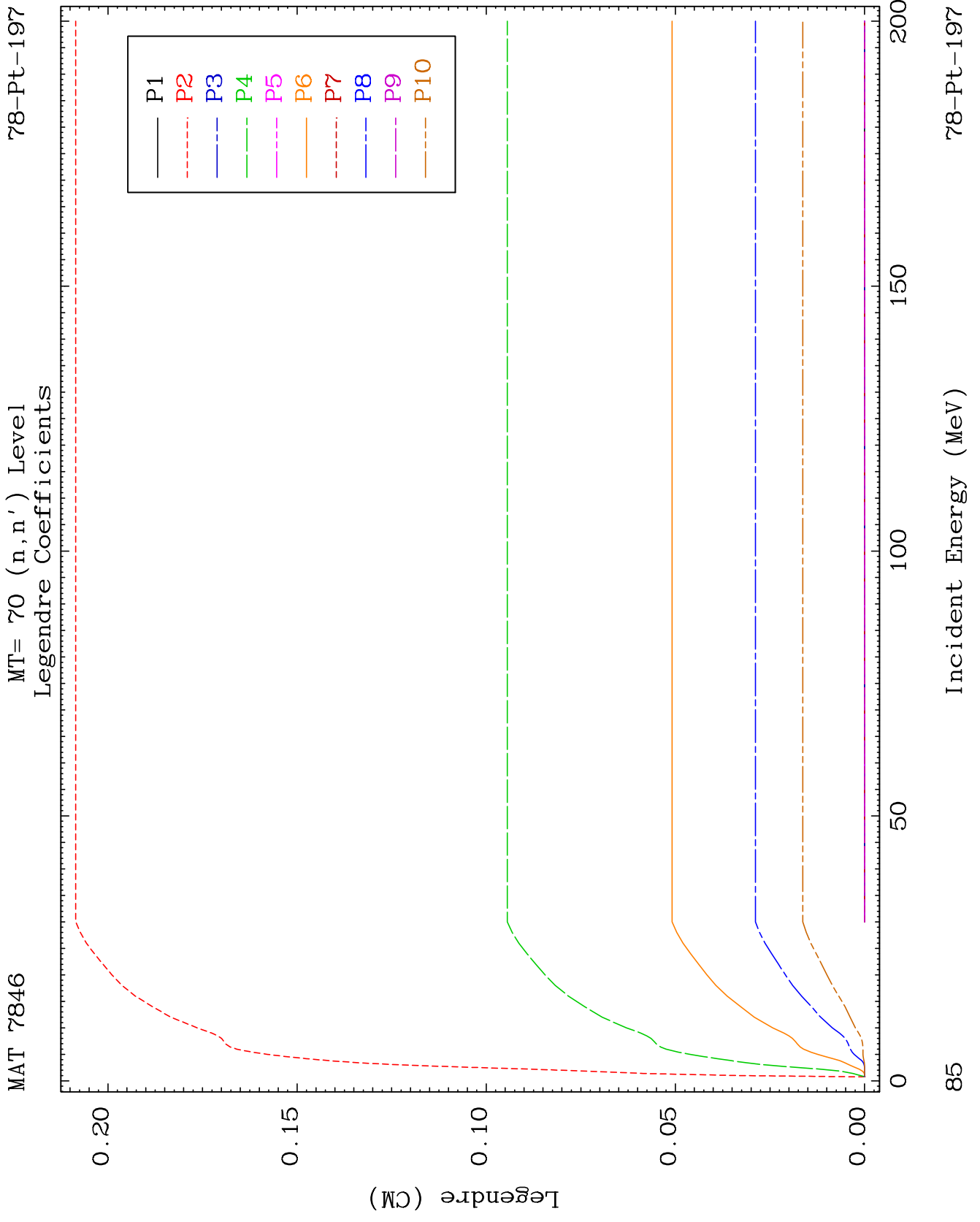


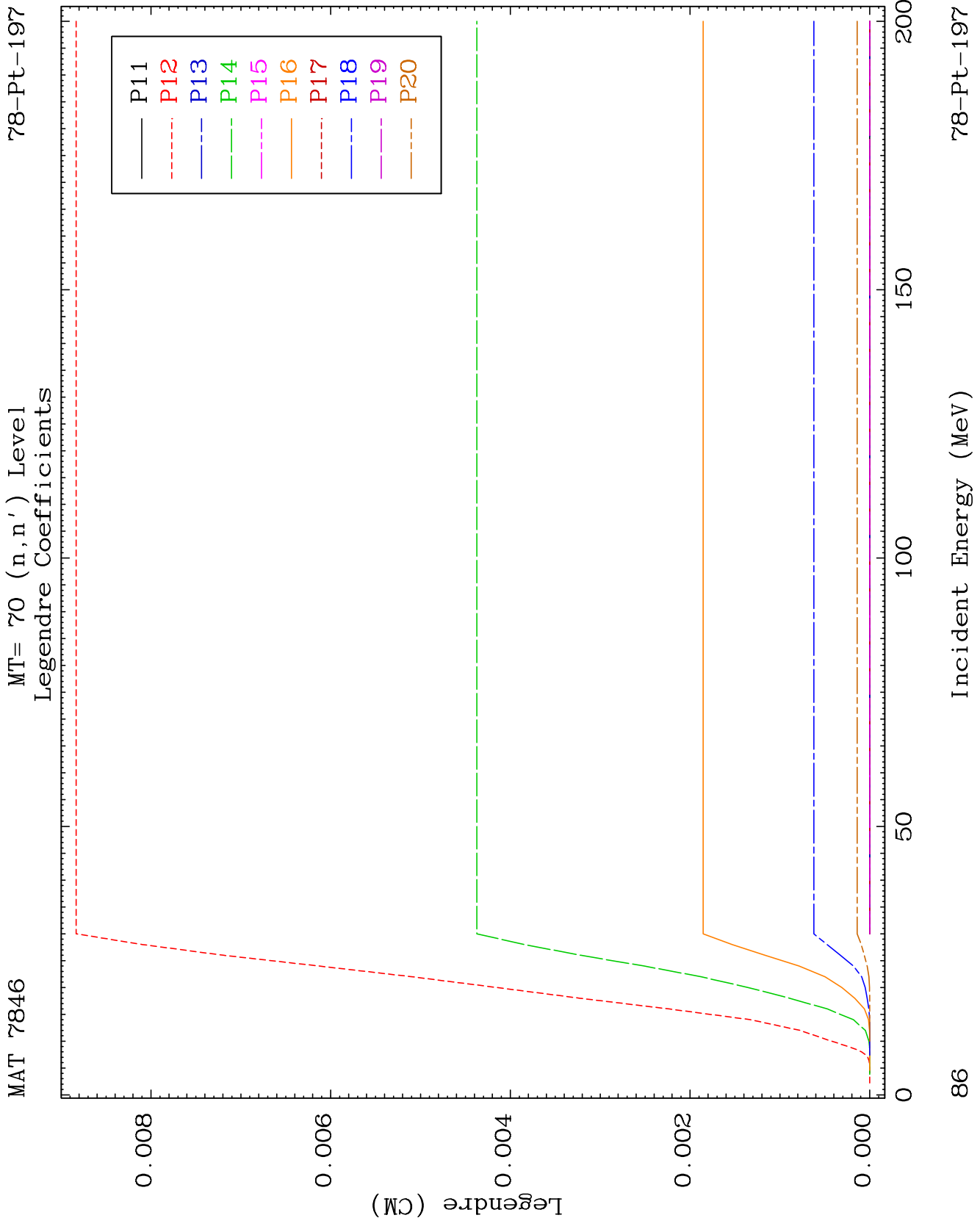
83

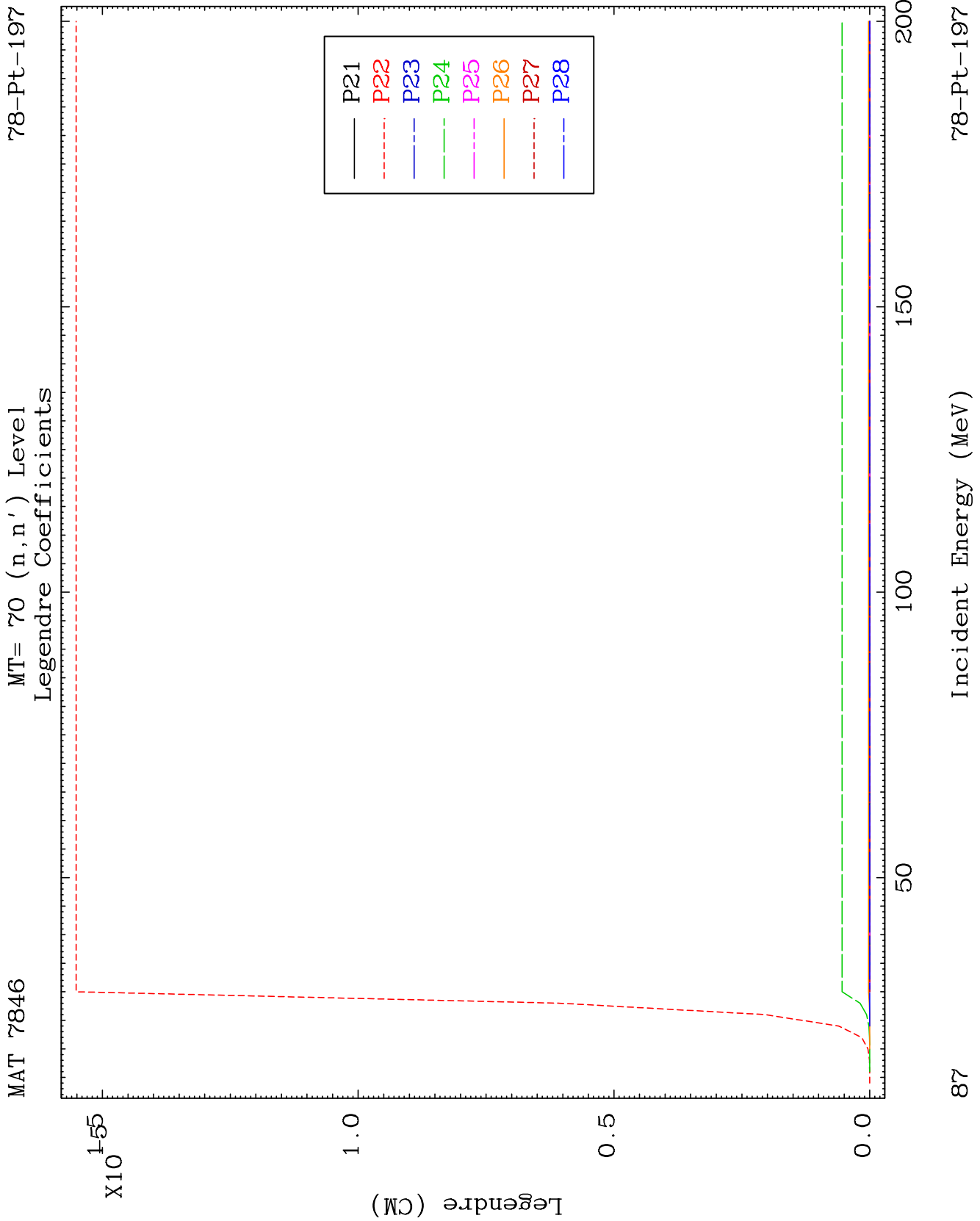
Incident Energy (MeV)

78-Pt-197





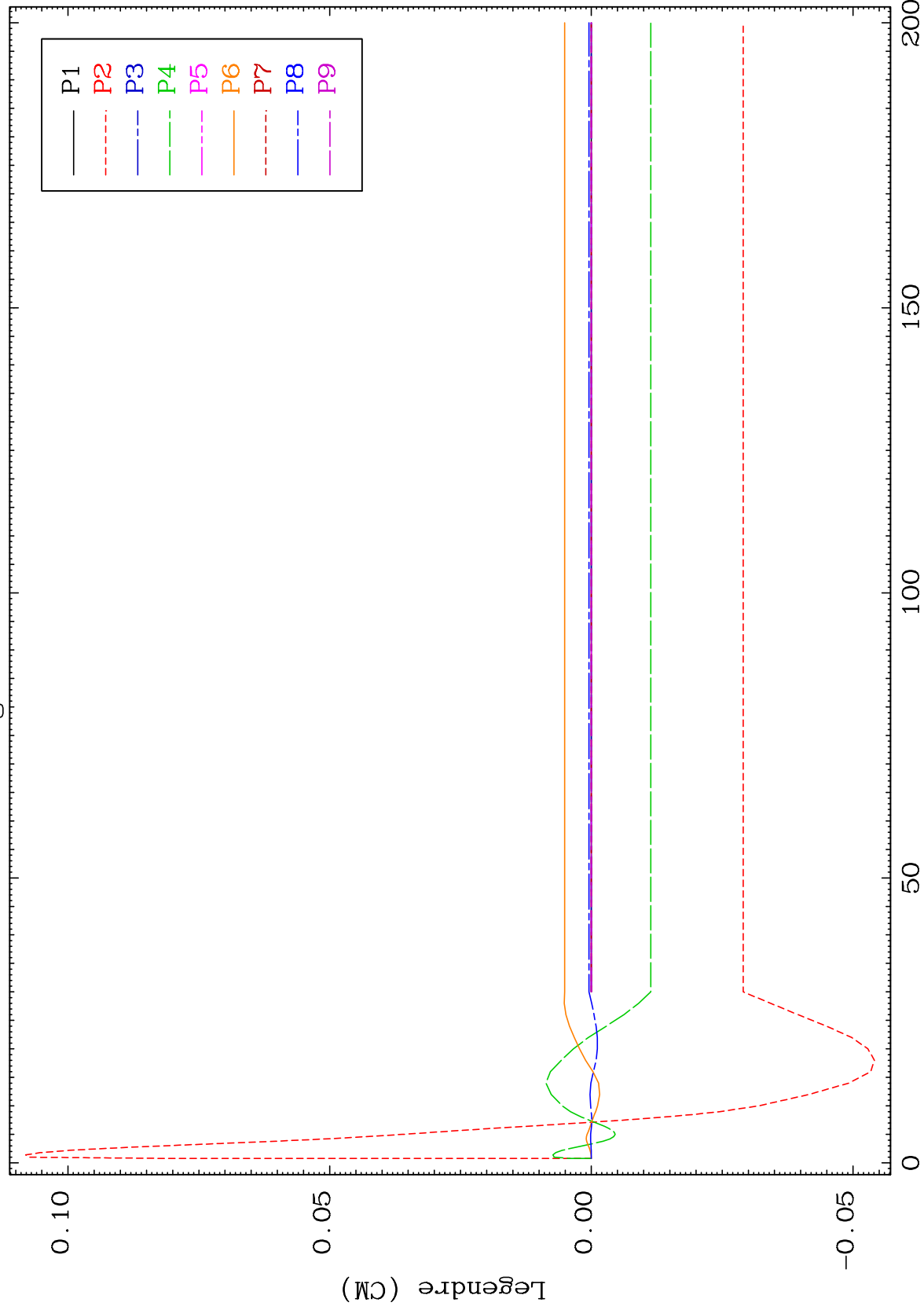




MAT 7846

MT= 71 (n,n') Level
Legendre Coefficients

78-Pt-197



88

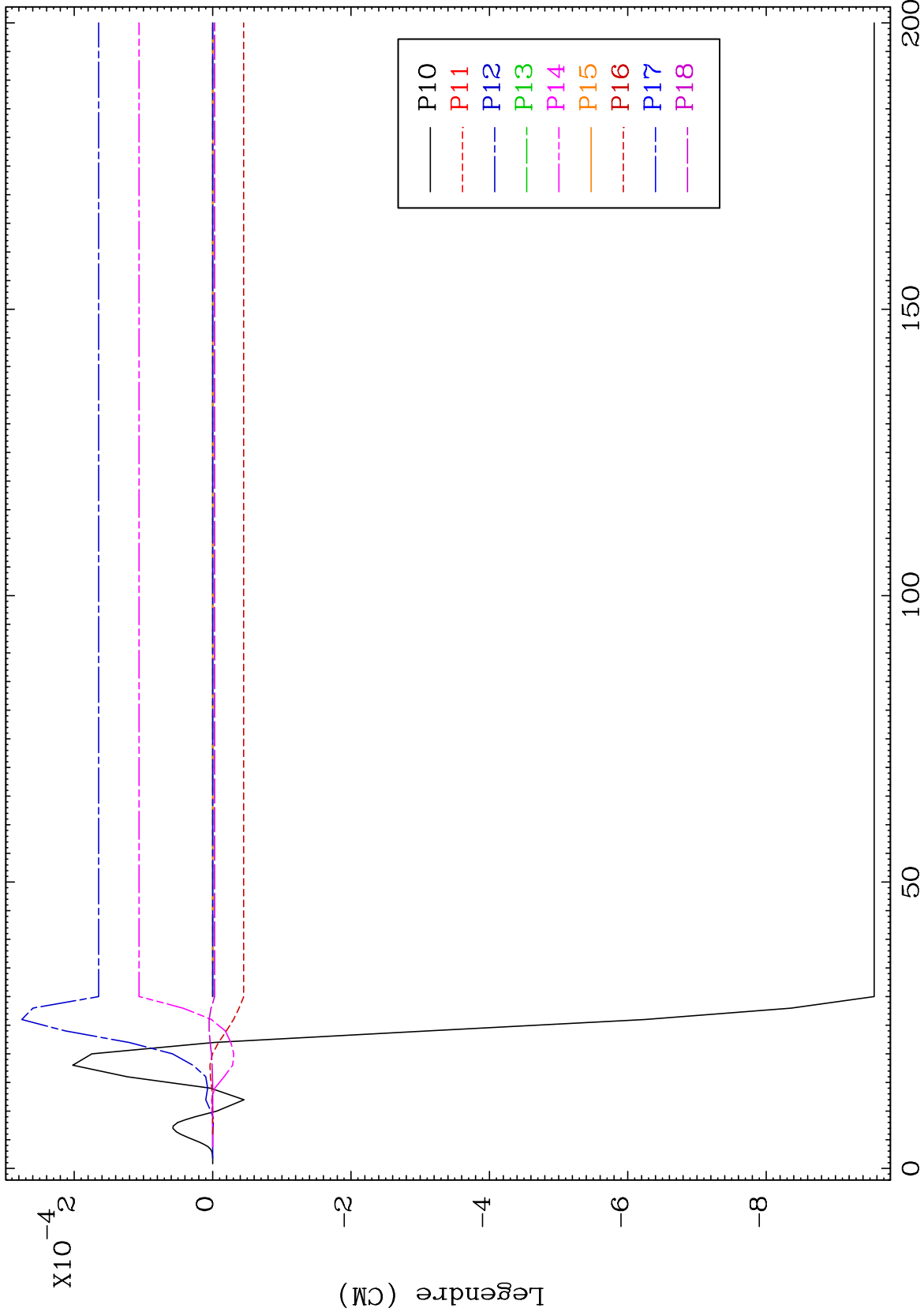
Incident Energy (MeV)

78-Pt-197

MAT 7846

MT= 71 (n,n') Level
Legendre Coefficients

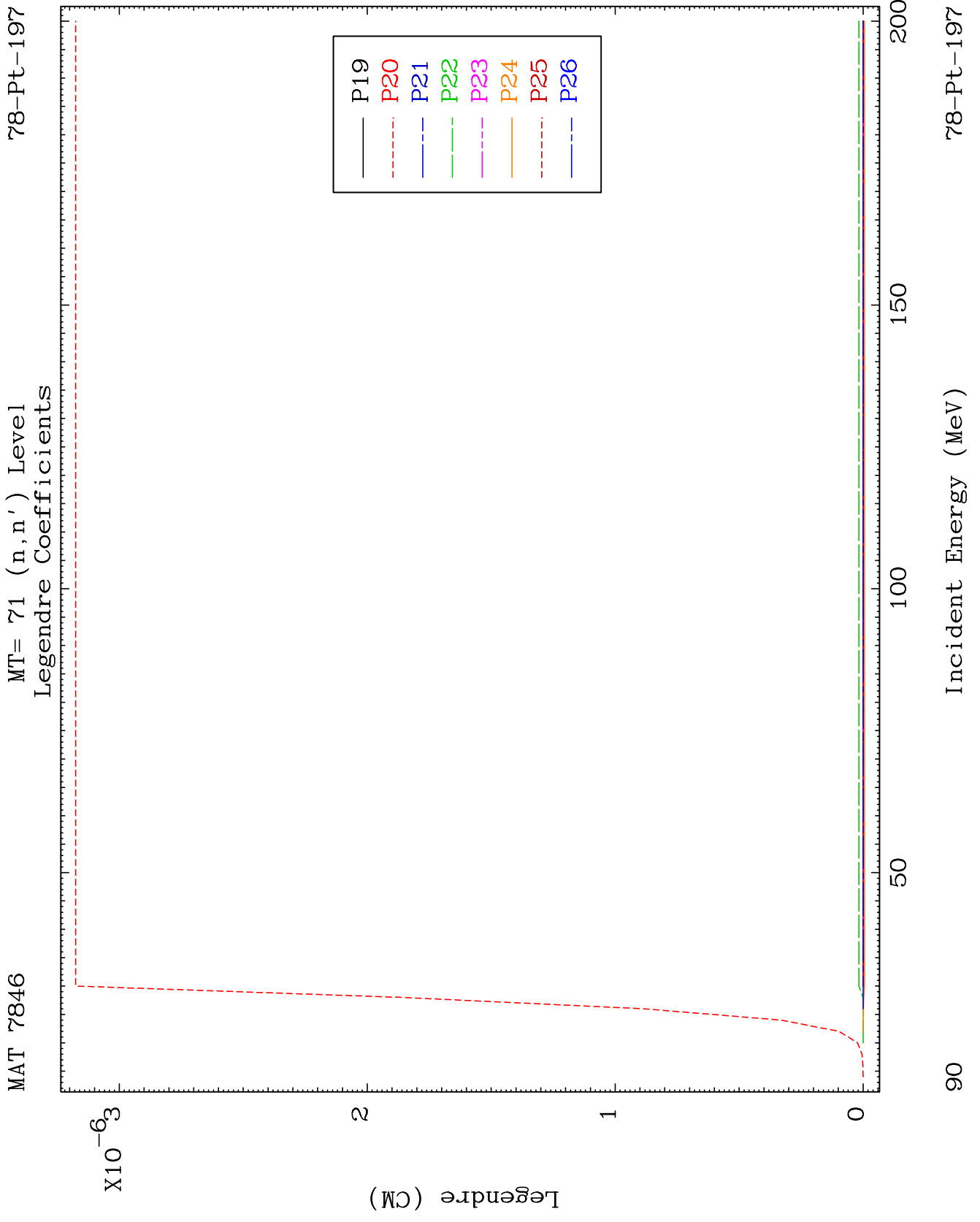
78-Pt-197

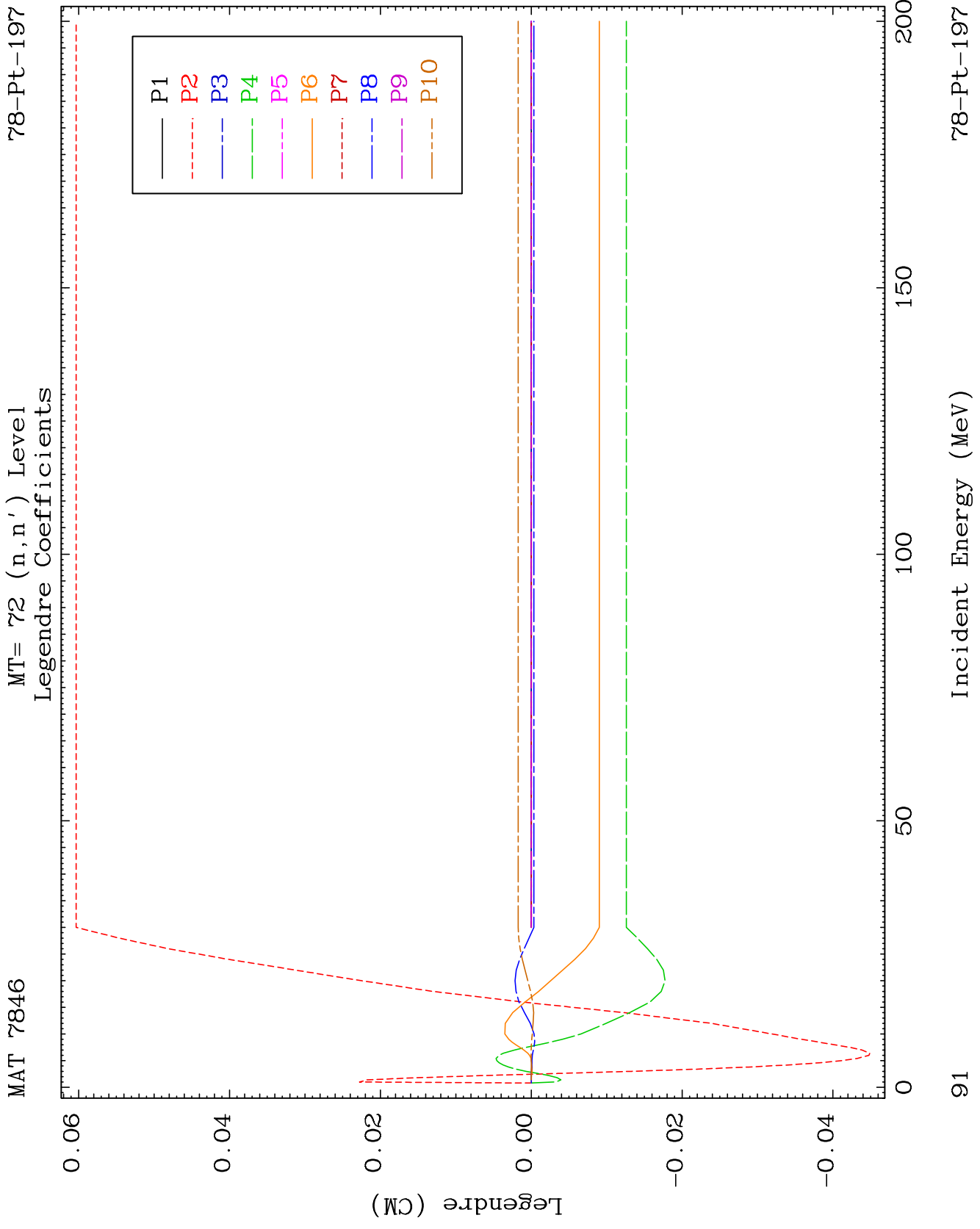


89

Incident Energy (MeV)

78-Pt-197





78-Pt-197

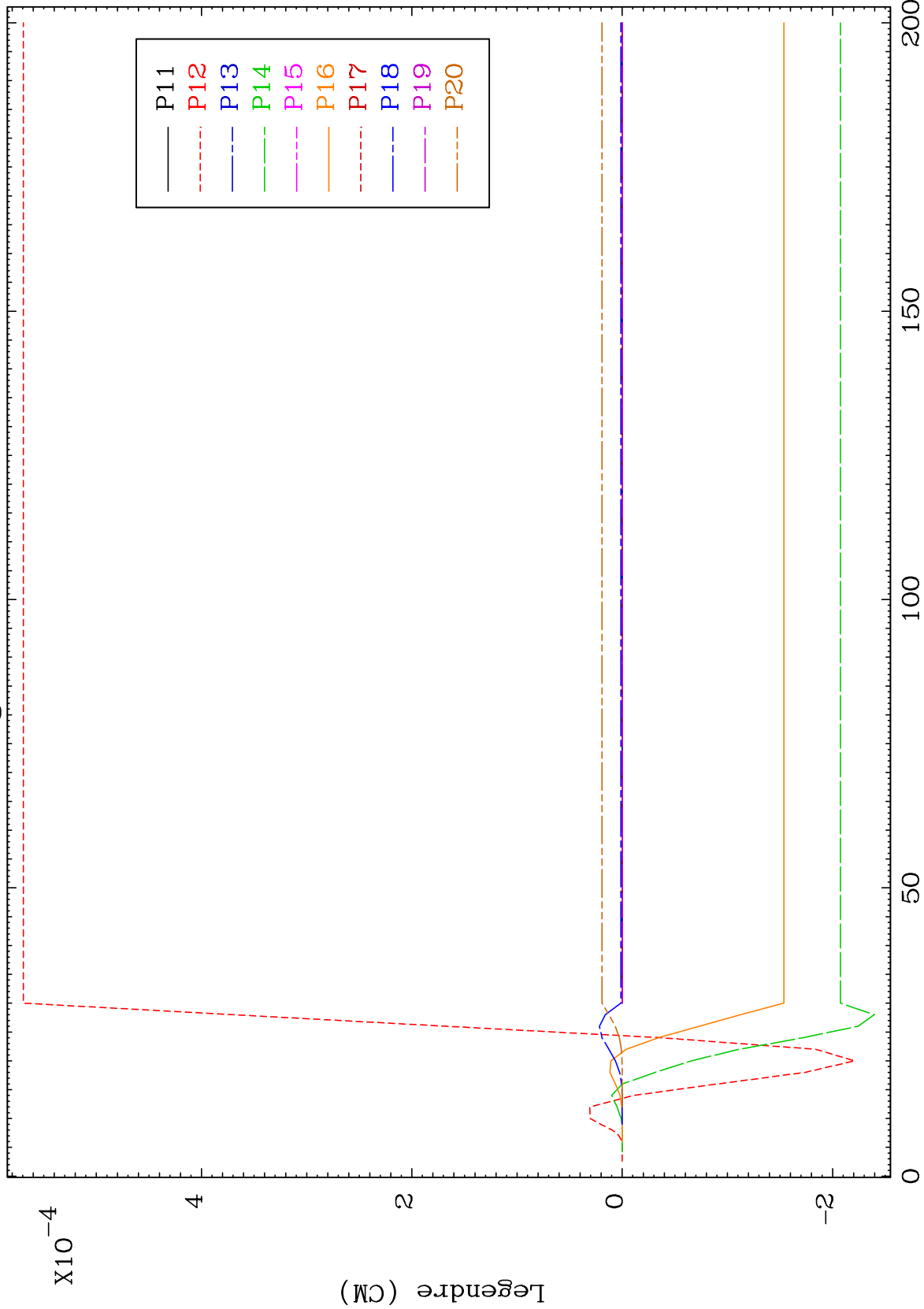
Incident Energy (MeV)

91

MAT 7846

MT= 72 (n,n') Level
Legendre Coefficients

78-Pt-197



92

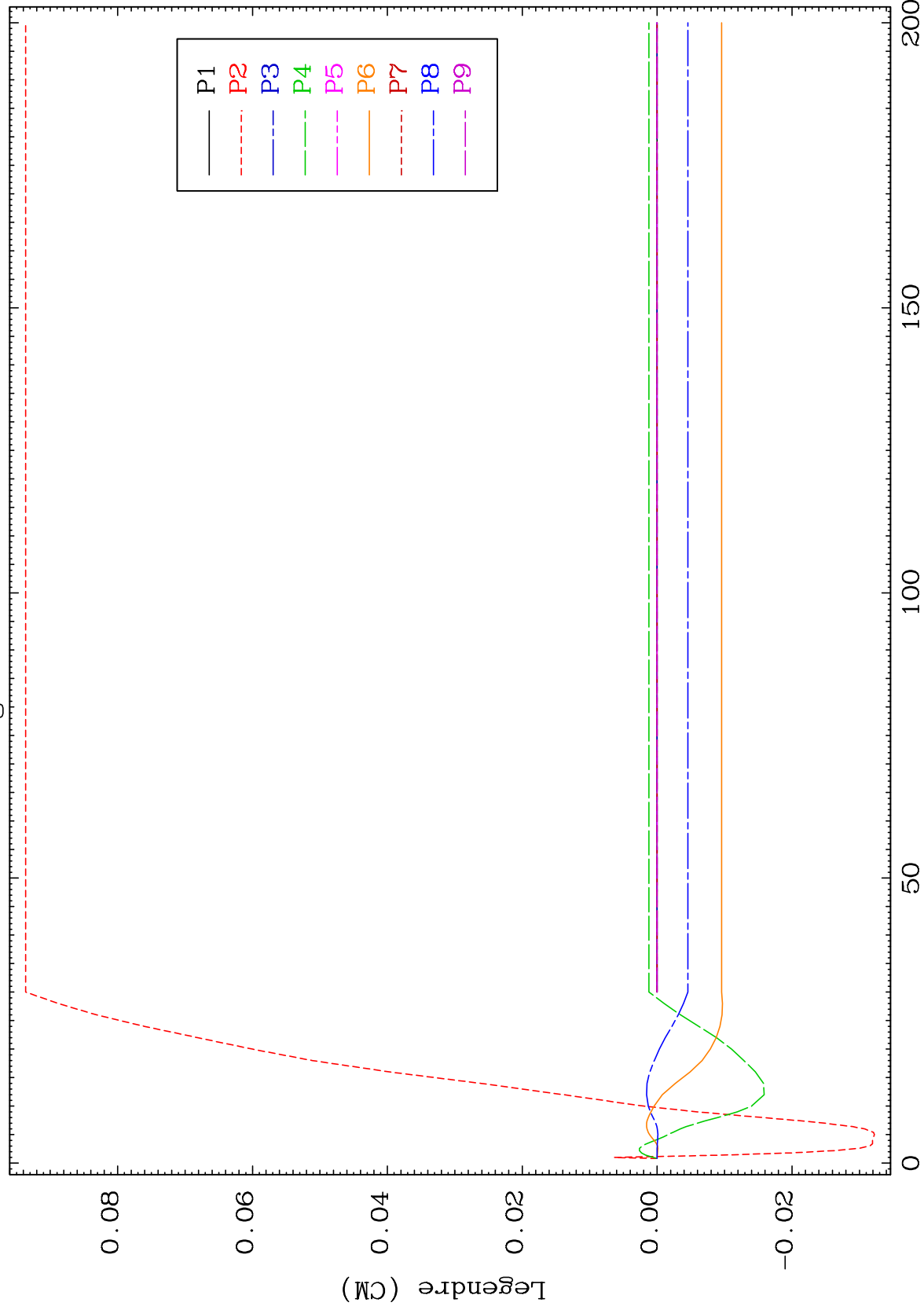
Incident Energy (MeV)

78-Pt-197

MAT 7846

MT= 73 (n,n') Level
Legendre Coefficients

78-Pt-197



94

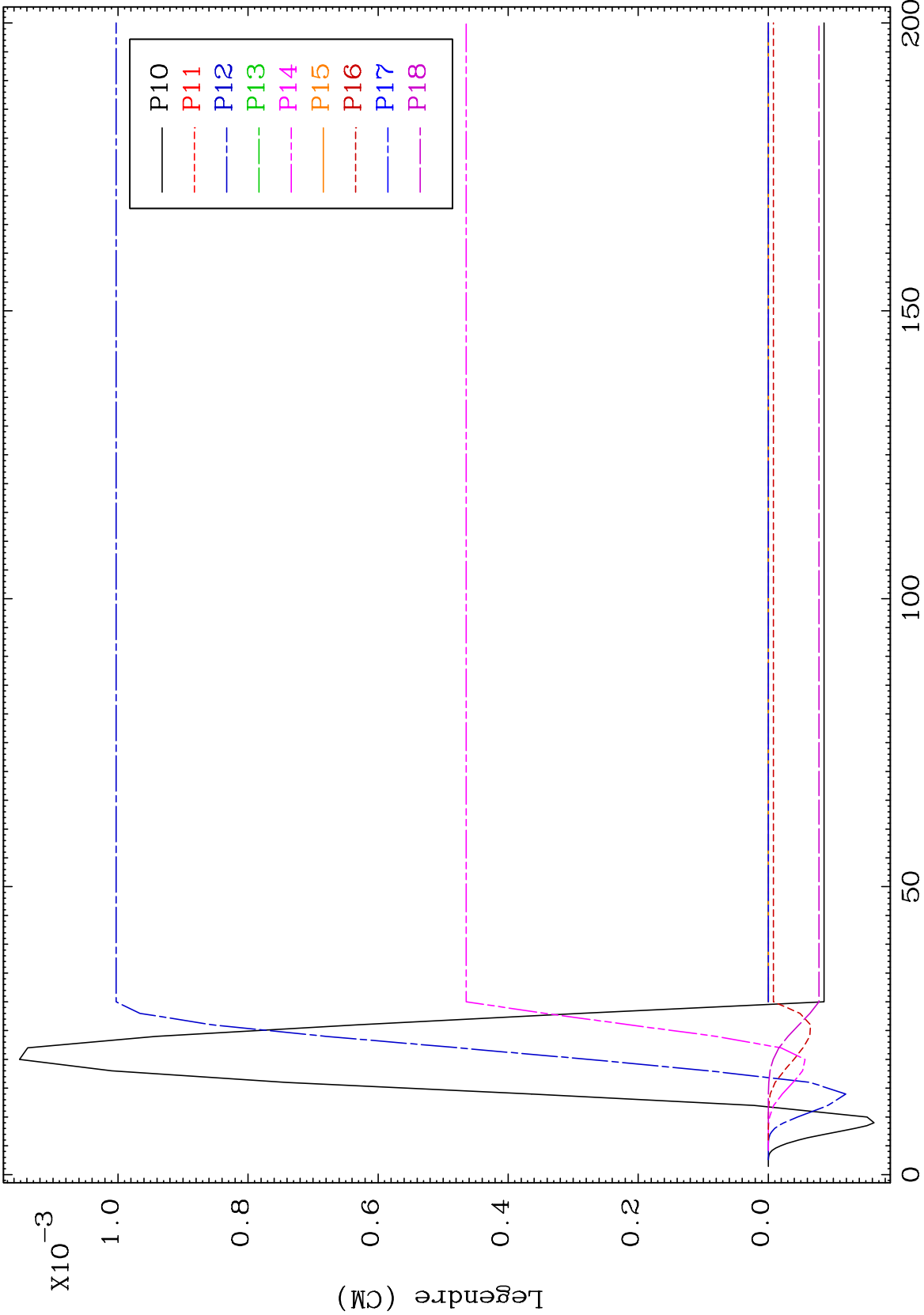
Incident Energy (MeV)

78-Pt-197

MAT 7846

MT= 73 (n,n') Level
Legendre Coefficients

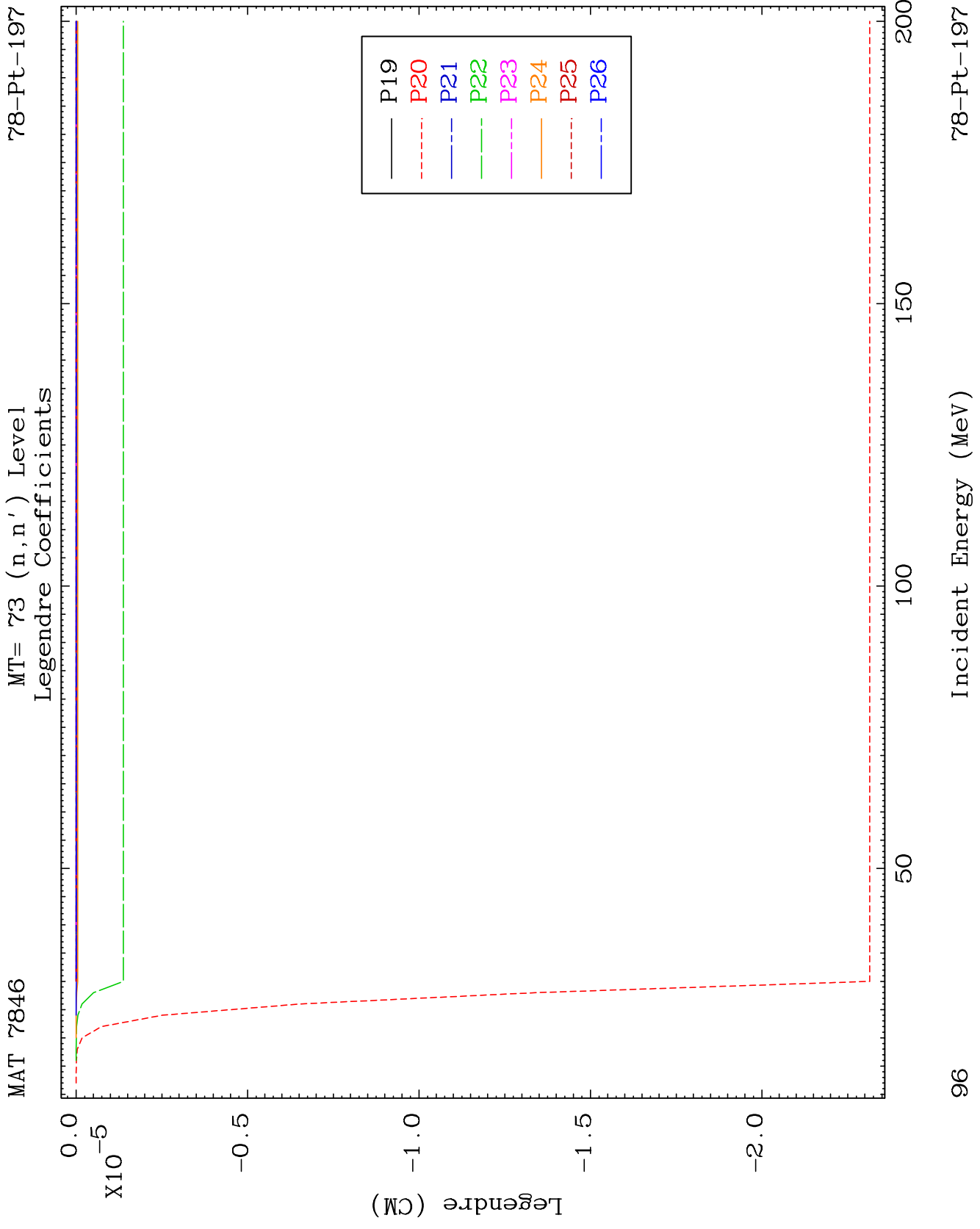
78-Pt-197



95

Incident Energy (MeV)

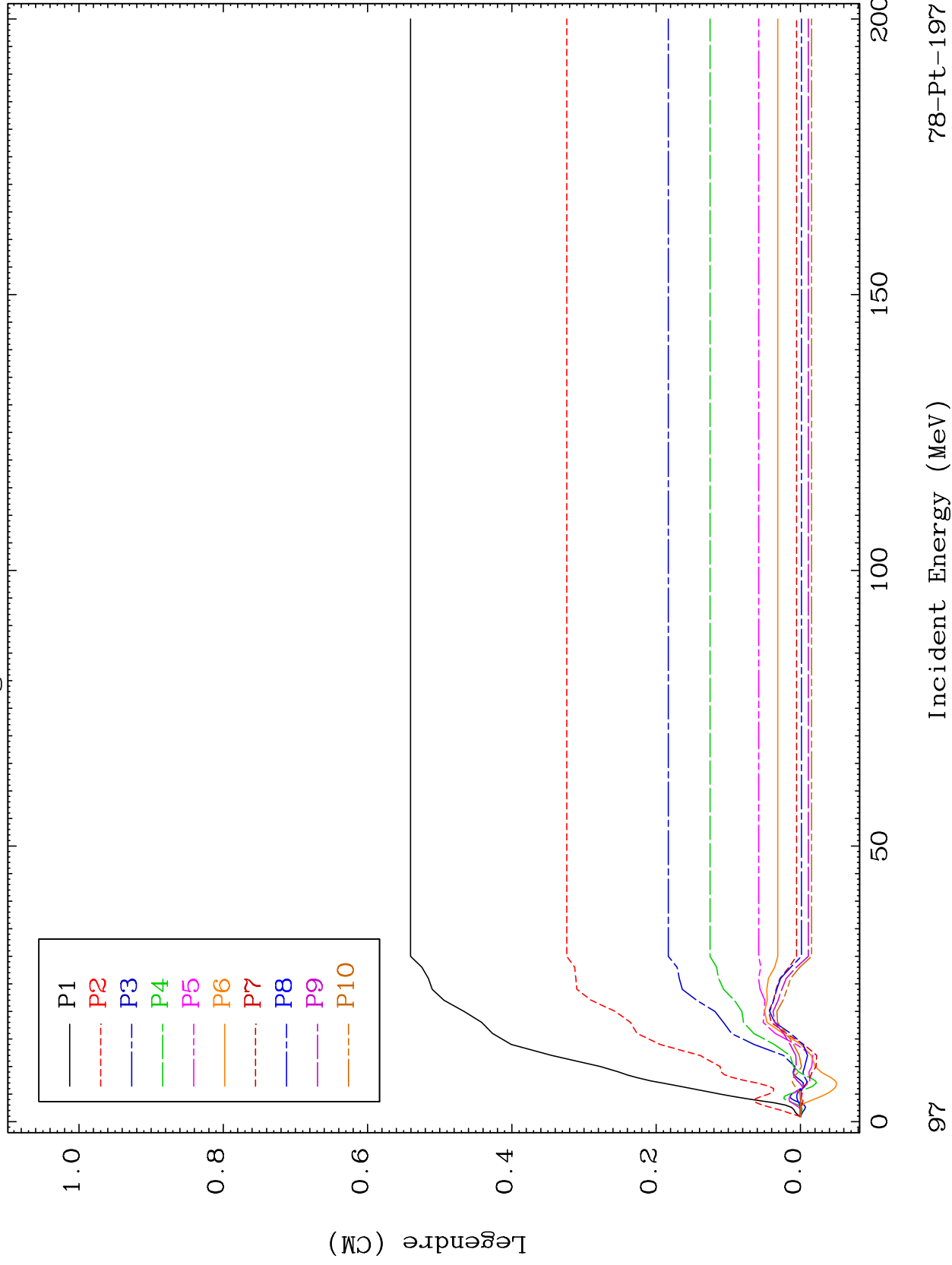
78-Pt-197



MAT 7846

MT= 74 (n,n') Level
Legendre Coefficients

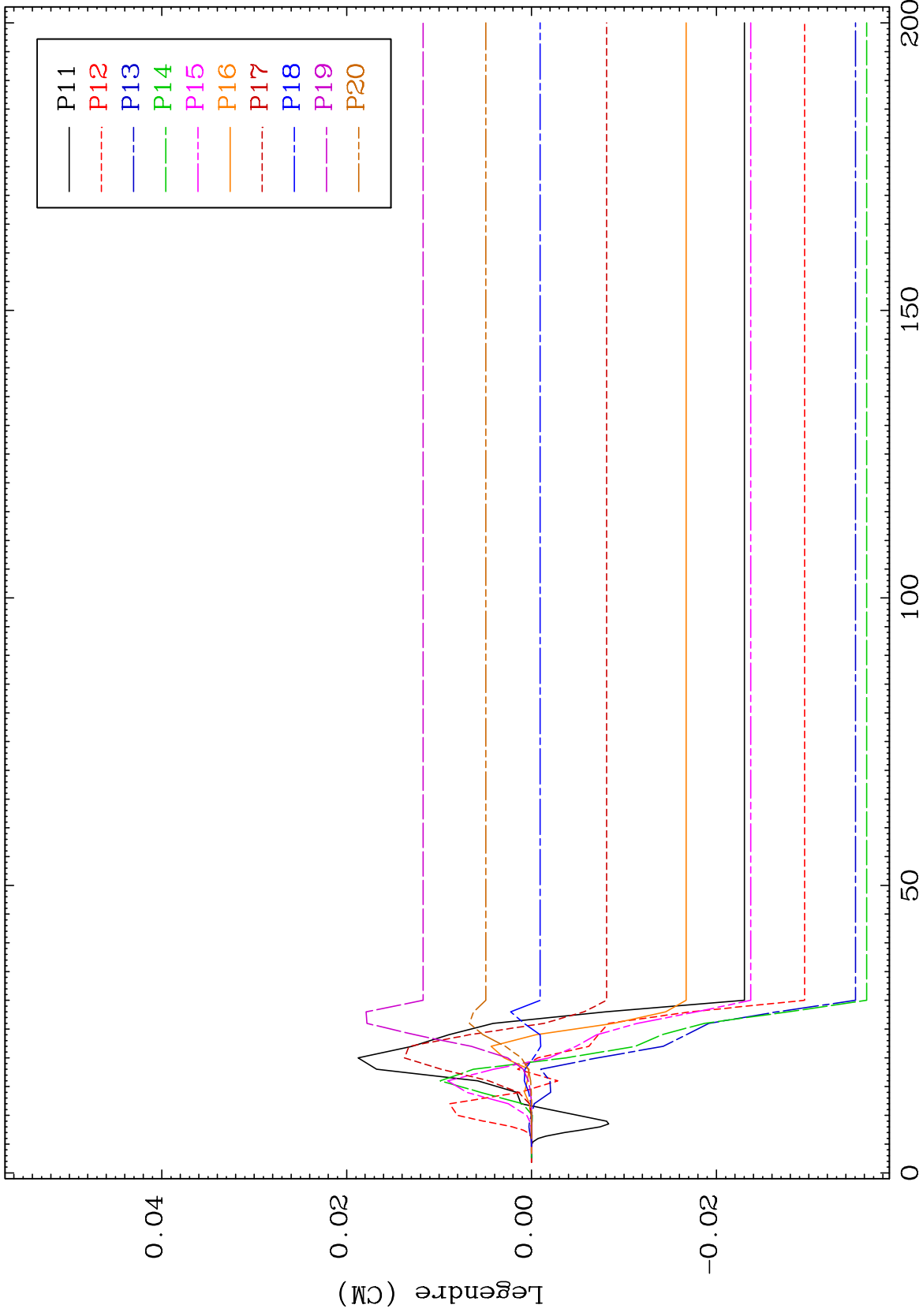
78-Pt-197



MAT 7846

MT= 74 (n,n') Level
Legendre Coefficients

78-Pt-197



98

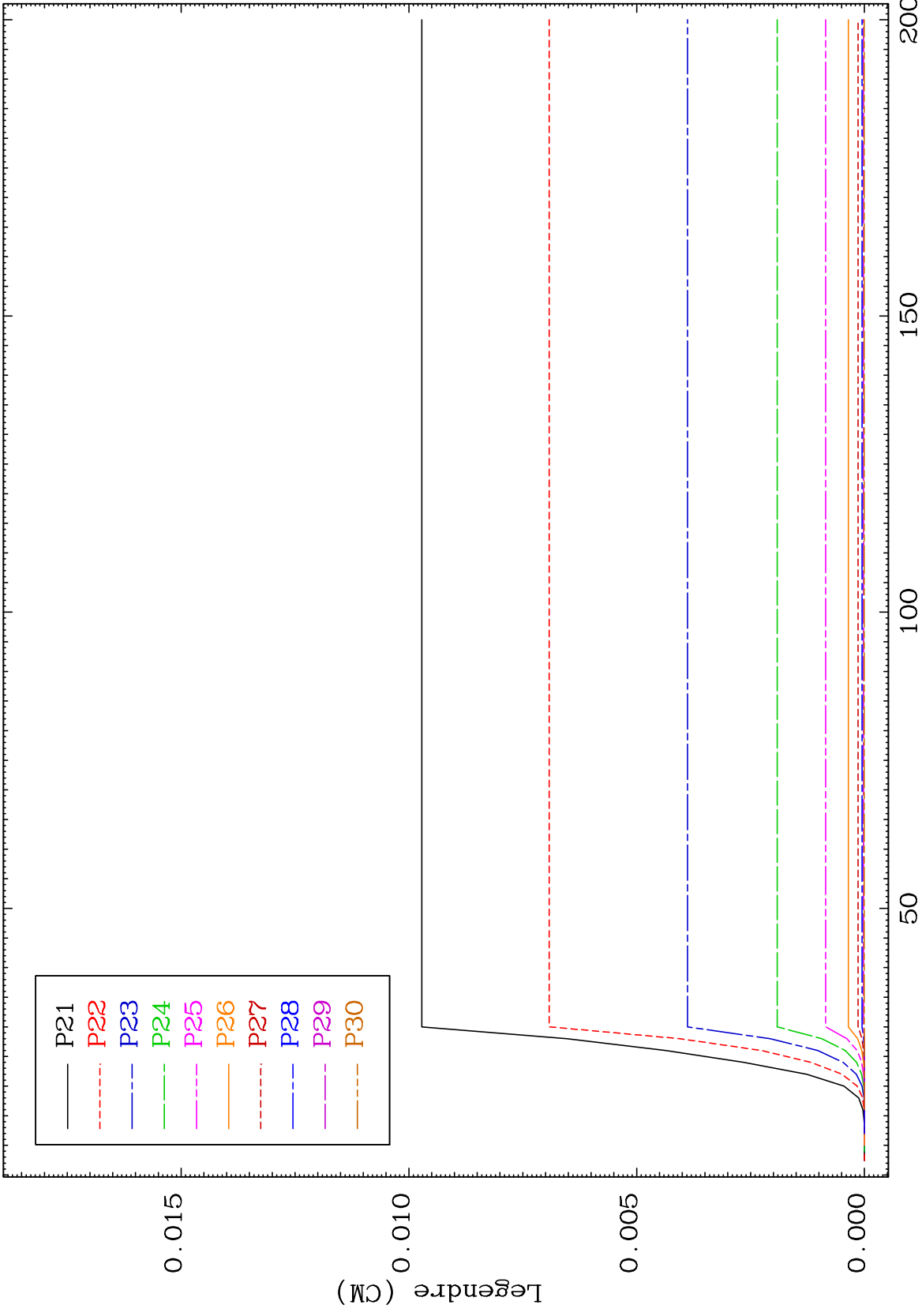
Incident Energy (MeV)

78-Pt-197

MAT 7846

MT= 74 (n,n') Level
Legendre Coefficients

78-Pt-197



99

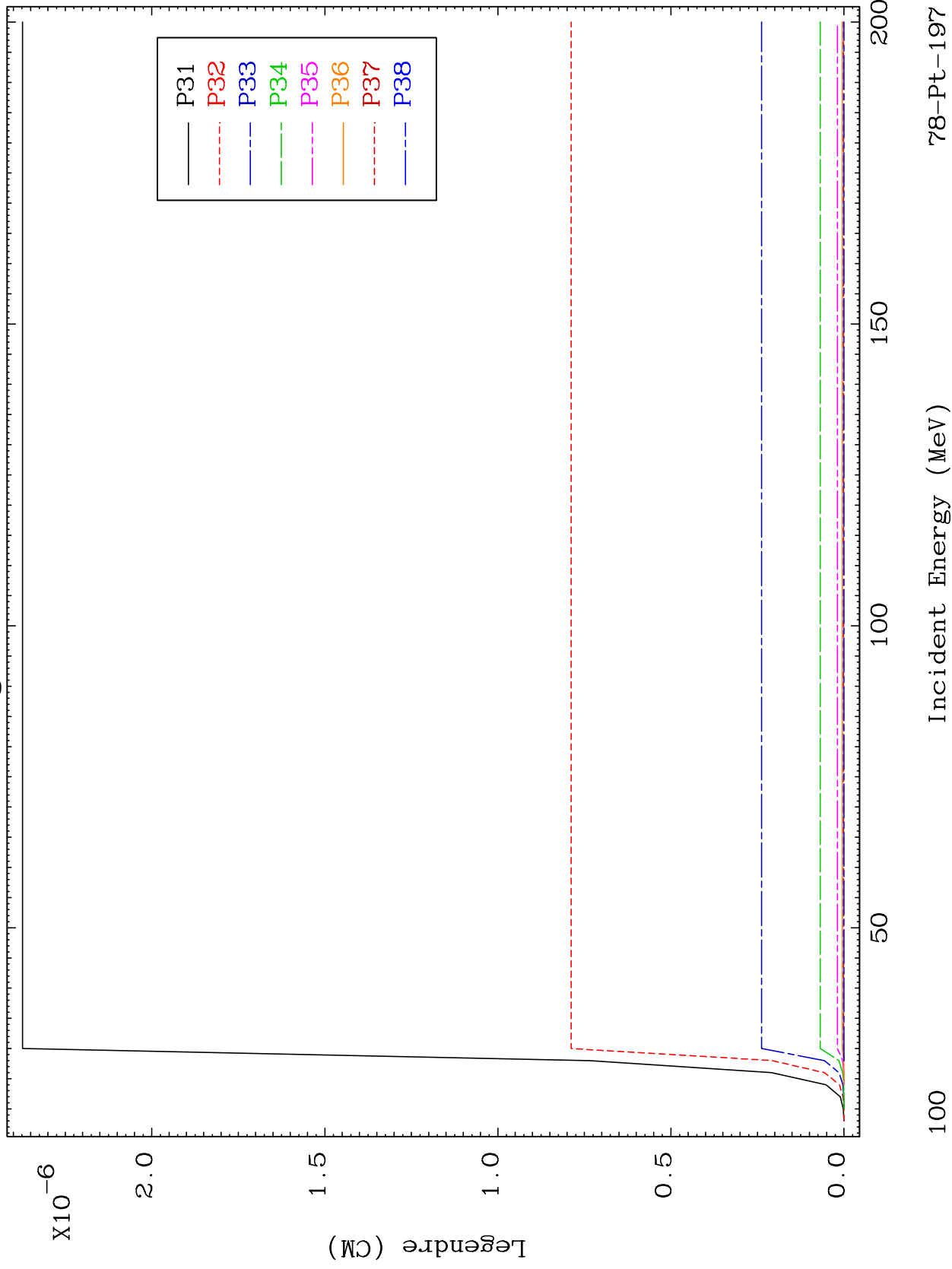
Incident Energy (MeV)

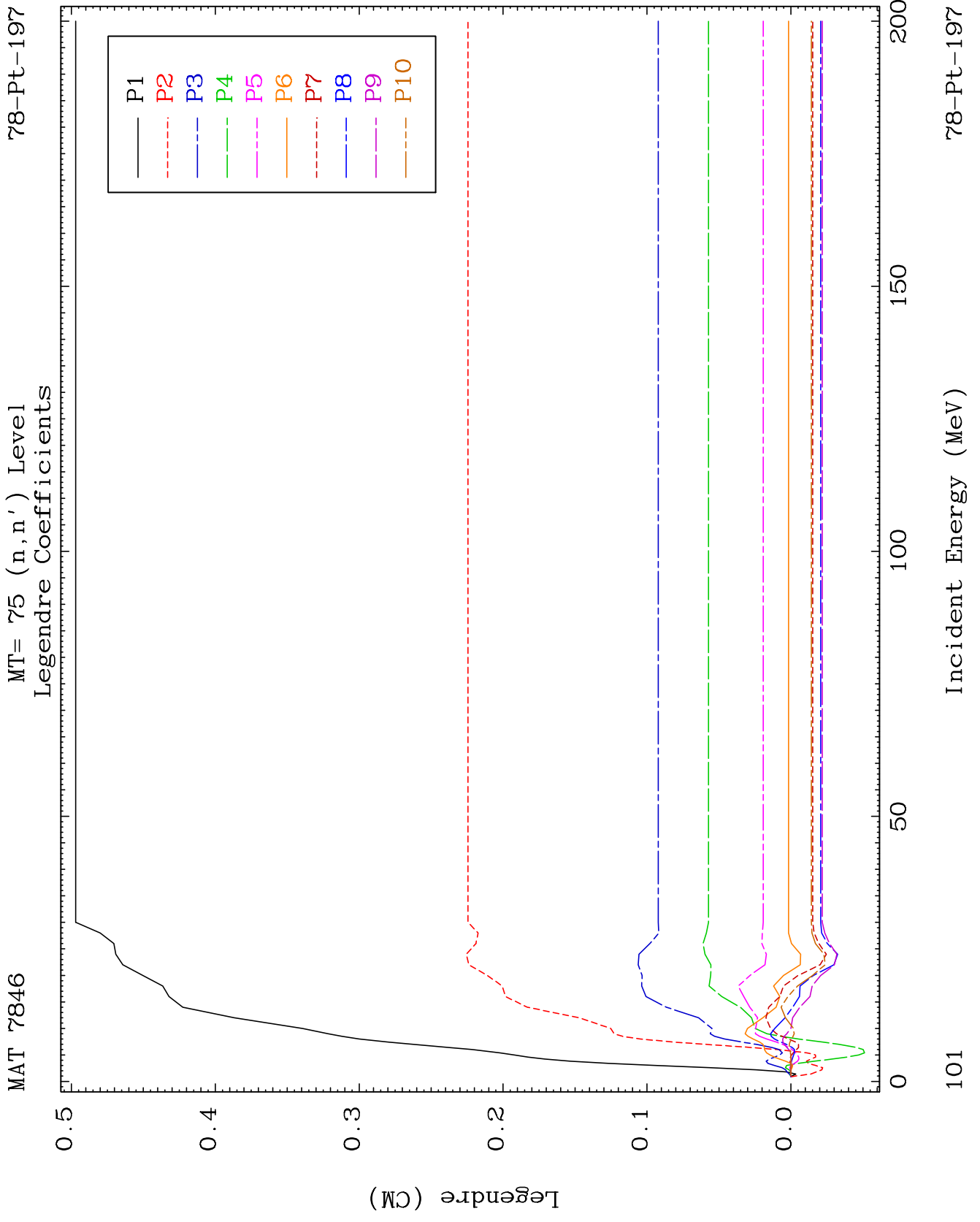
78-Pt-197

MAT 7846

MT= 74 (n,n') Level
Legendre Coefficients

78-Pt-197

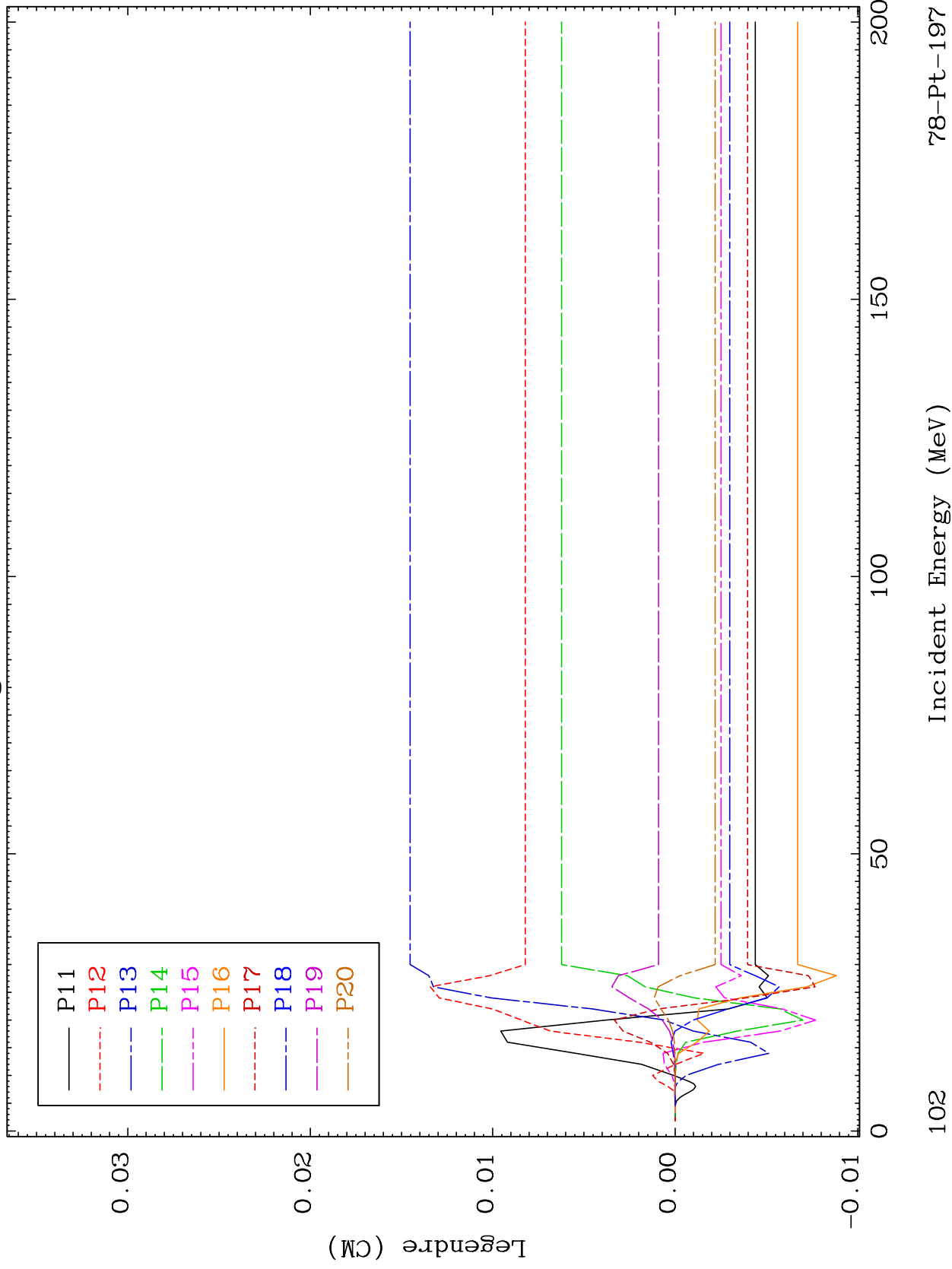




MAT 7846

MT= 75 (n,n') Level
Legendre Coefficients

78-Pt-197

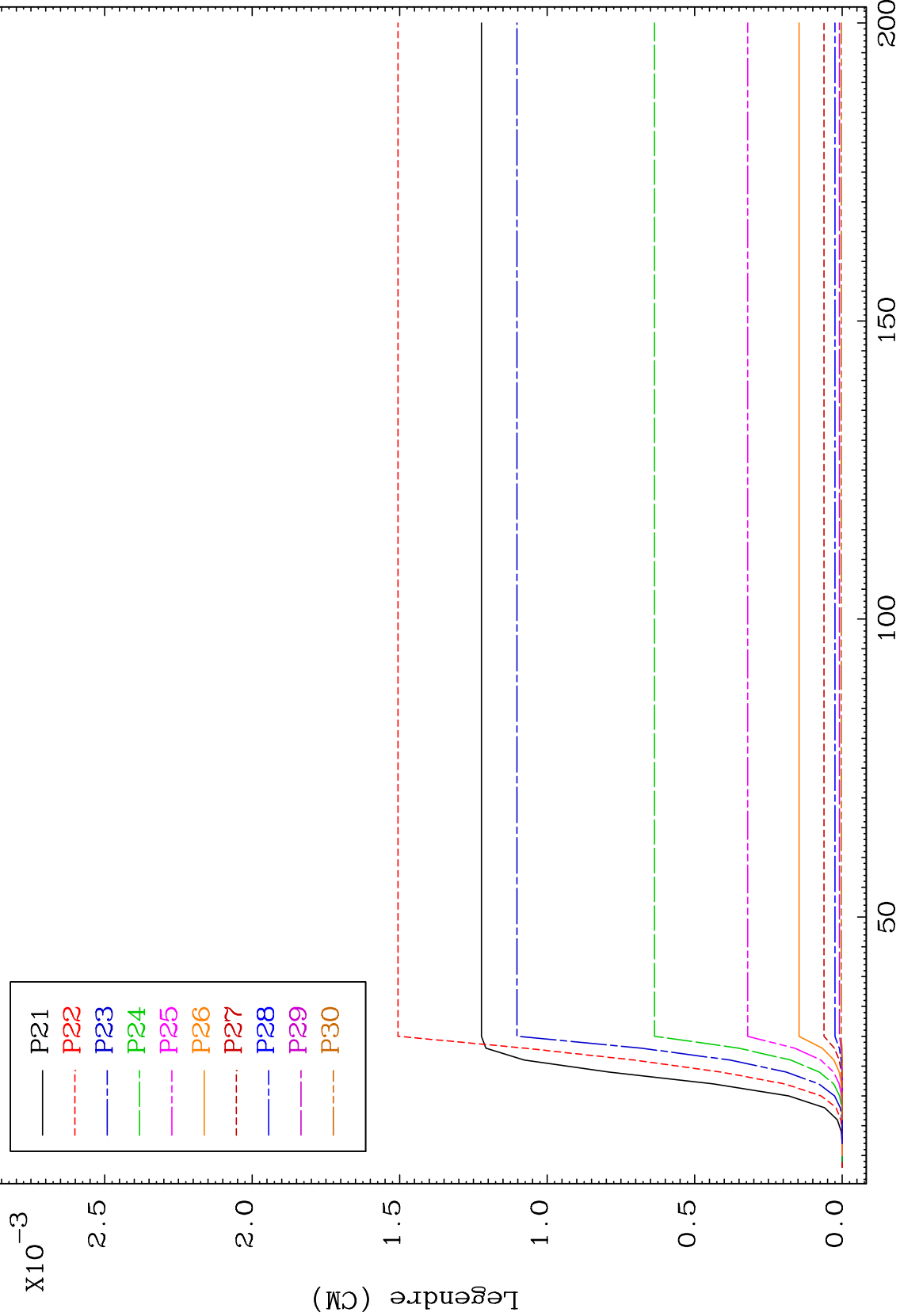
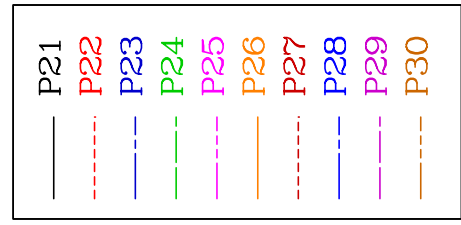


102

MAT 7846

MT= 75 (n,n') Level
Legendre Coefficients

78-Pt-197



103

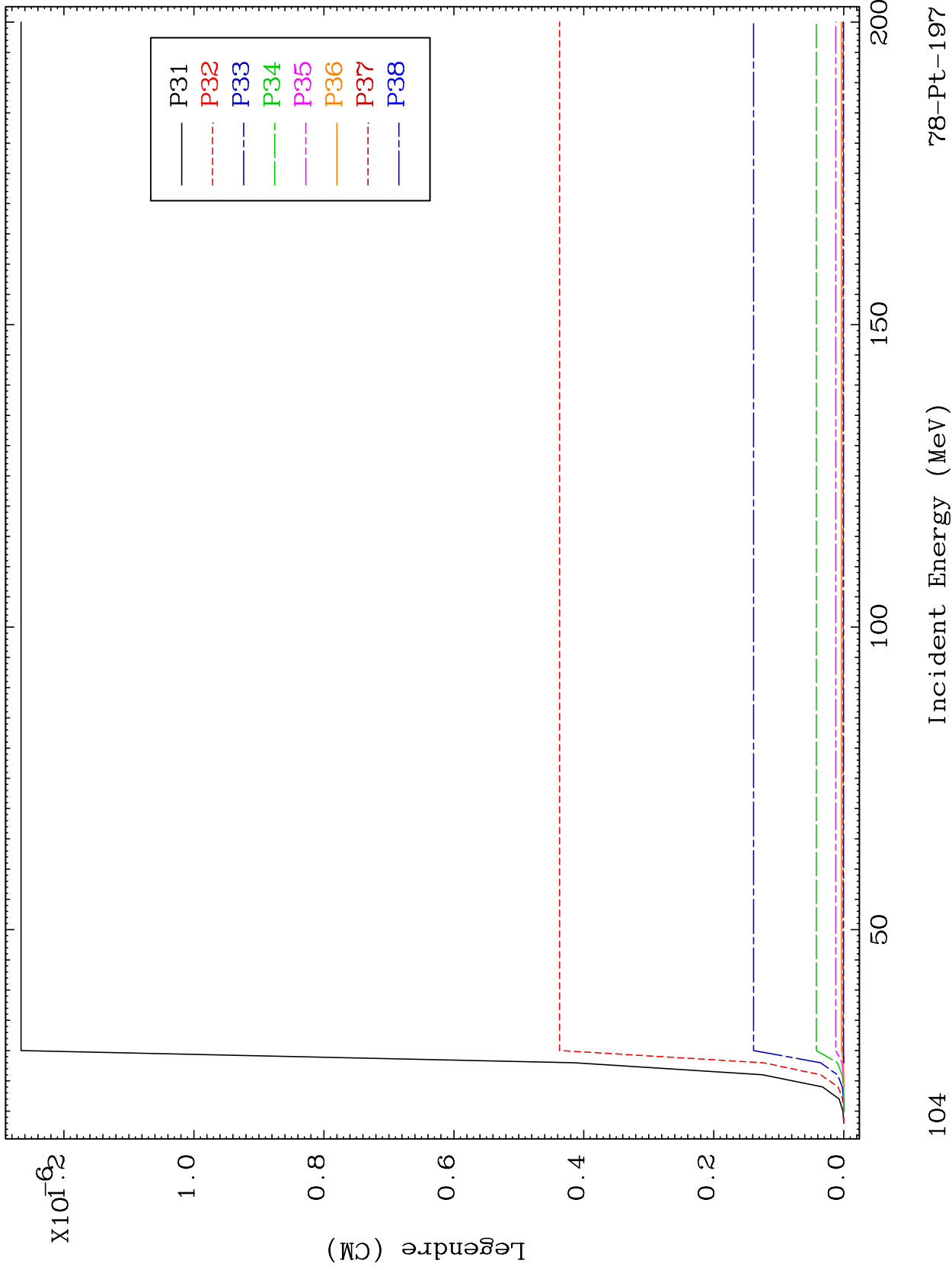
Incident Energy (MeV)

78-Pt-197

MAT 7846

MT= 75 (n,n') Level
Legendre Coefficients

78-Pt-197



104

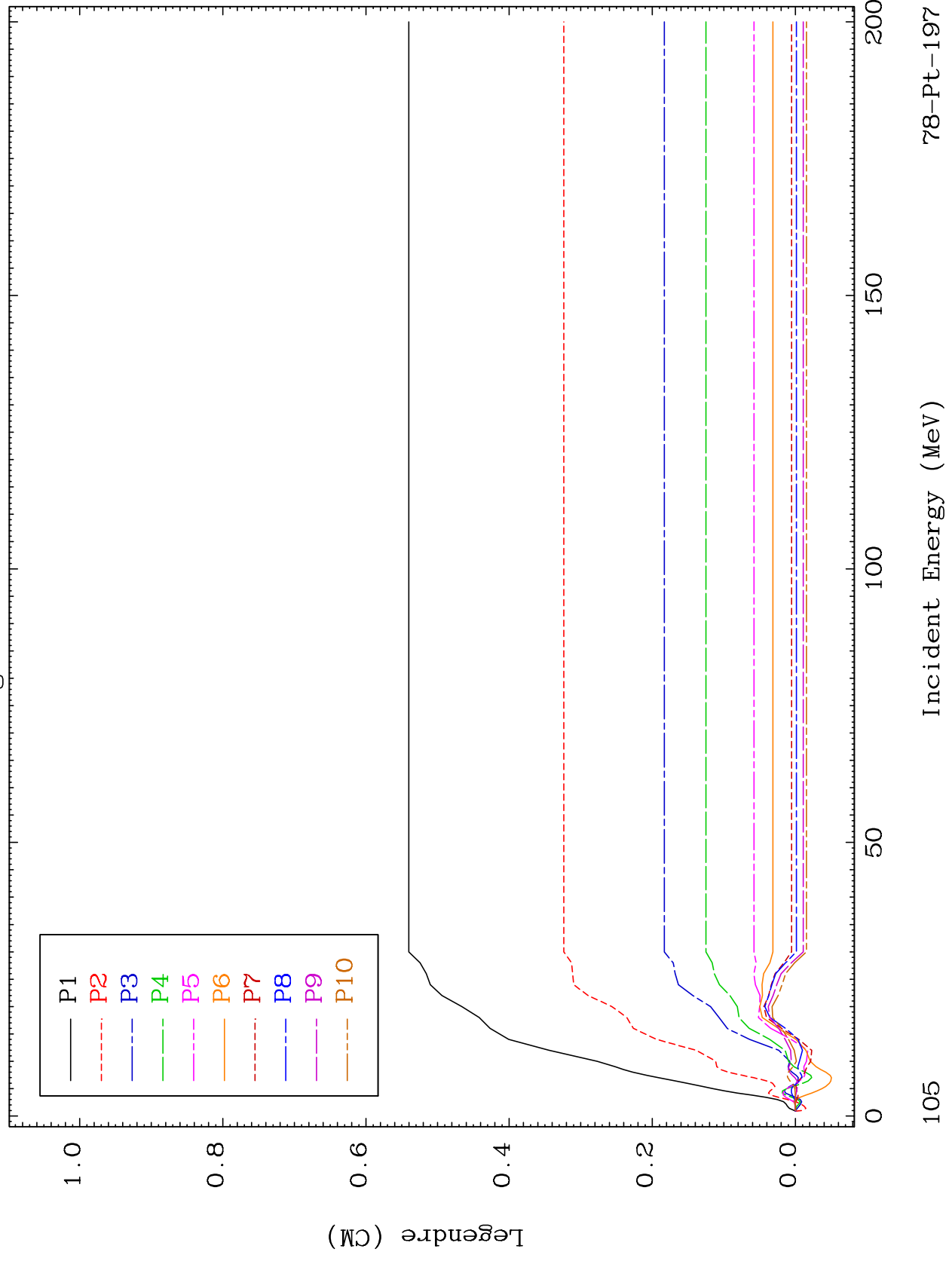
Incident Energy (MeV)

78-Pt-197

MAT 7846

MT= 76 (n,n') Level
Legendre Coefficients

78-Pt-197



105

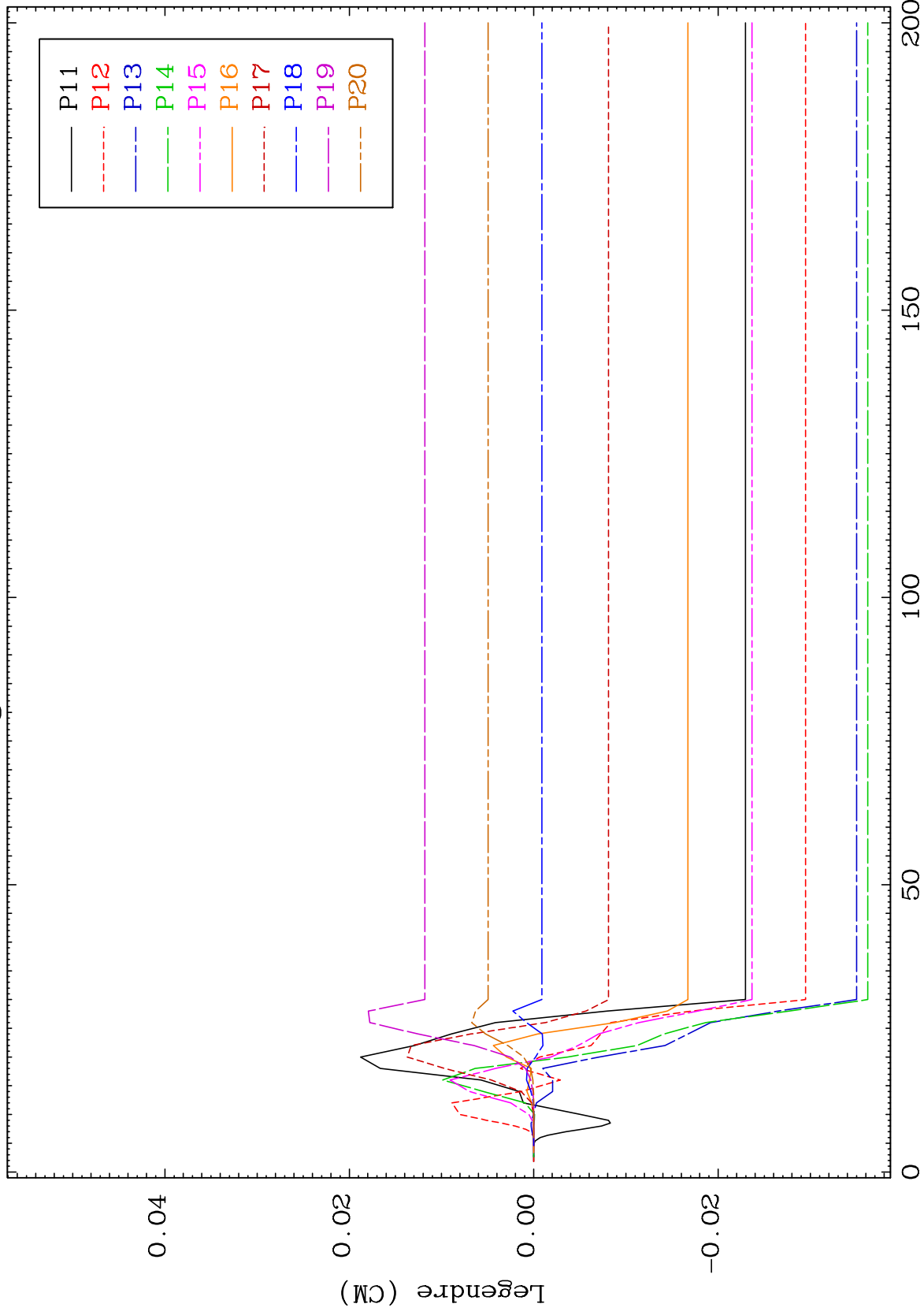
Incident Energy (MeV)

78-Pt-197

MAT 7846

MT= 76 (n,n') Level
Legendre Coefficients

78-Pt-197



106

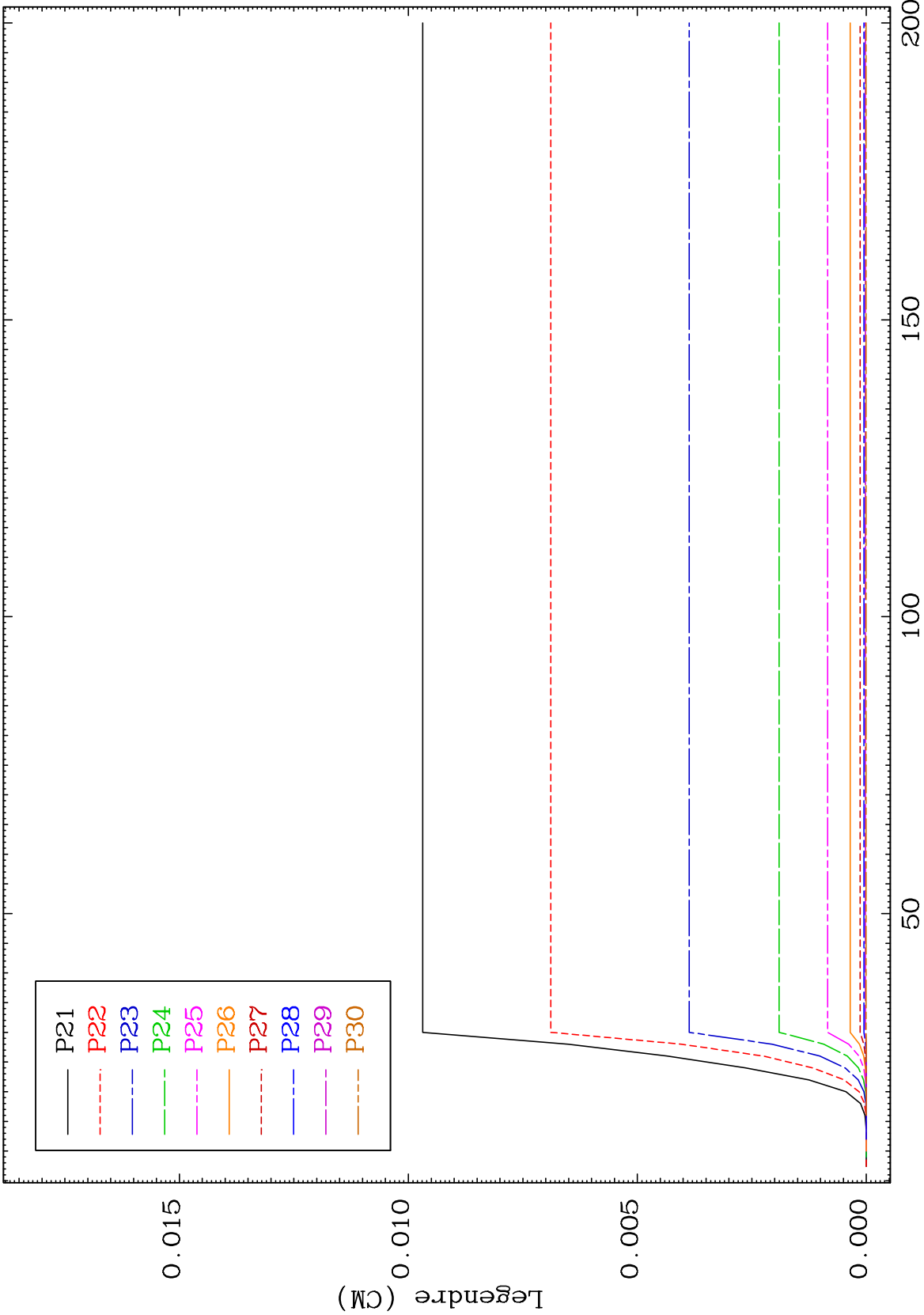
Incident Energy (MeV)

78-Pt-197

MAT 7846

MT= 76 (n,n') Level
Legendre Coefficients

78-Pt-197



107

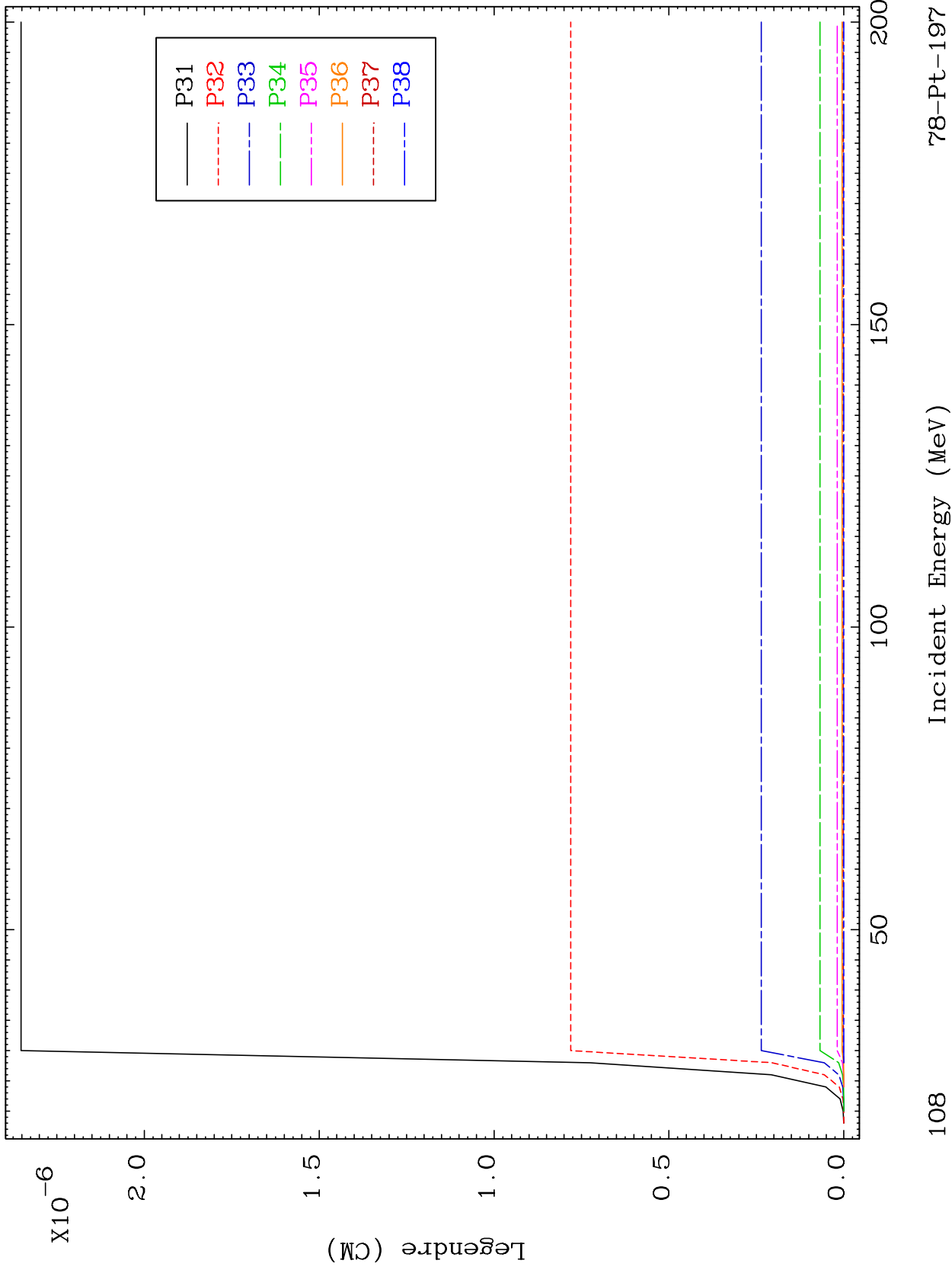
Incident Energy (MeV)

78-Pt-197

MAT 7846

MT= 76 (n,n') Level
Legendre Coefficients

78-Pt-197



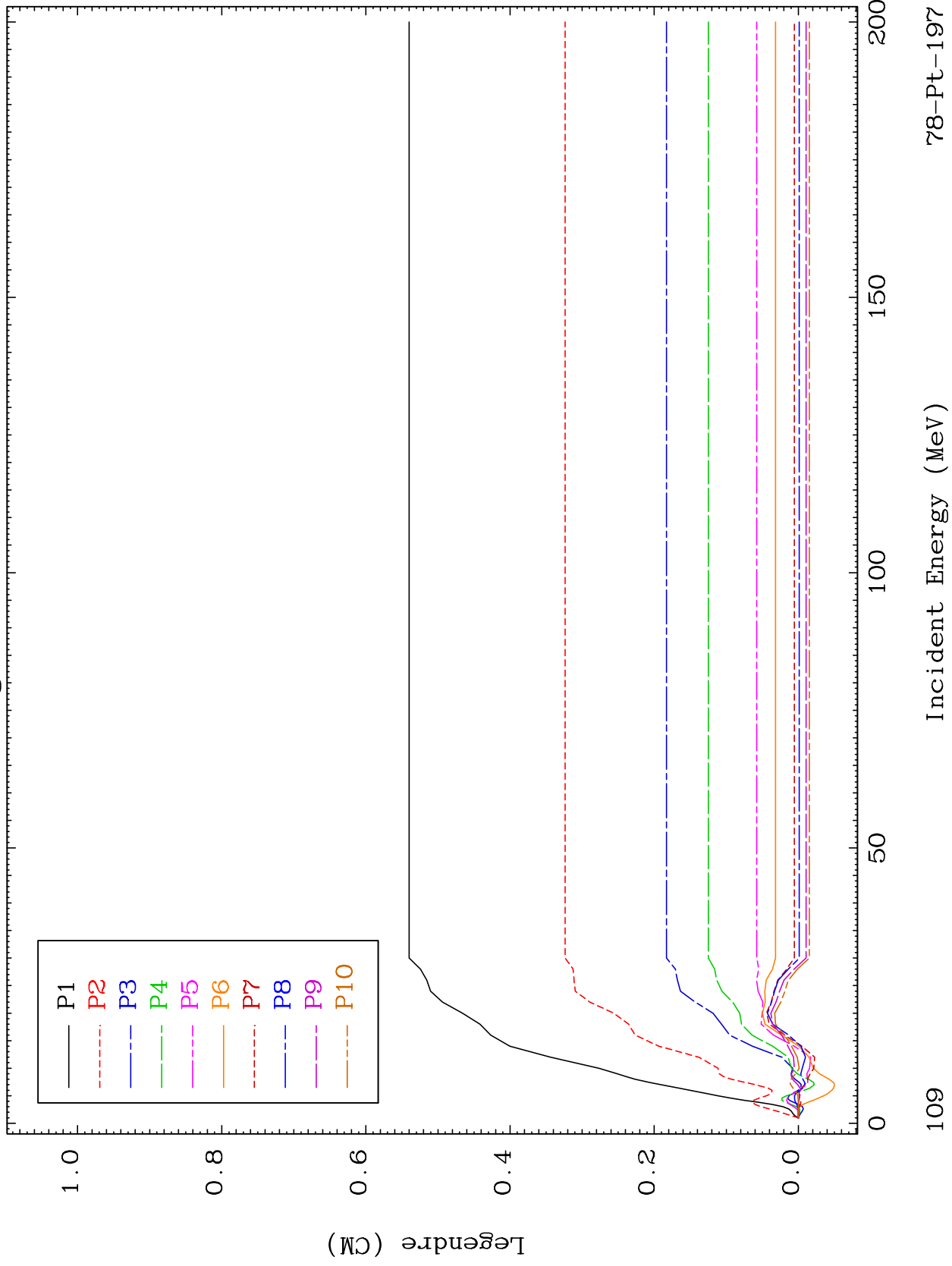
108

78-Pt-197

MAT 7846

MT= 77 (n,n') Level
Legendre Coefficients

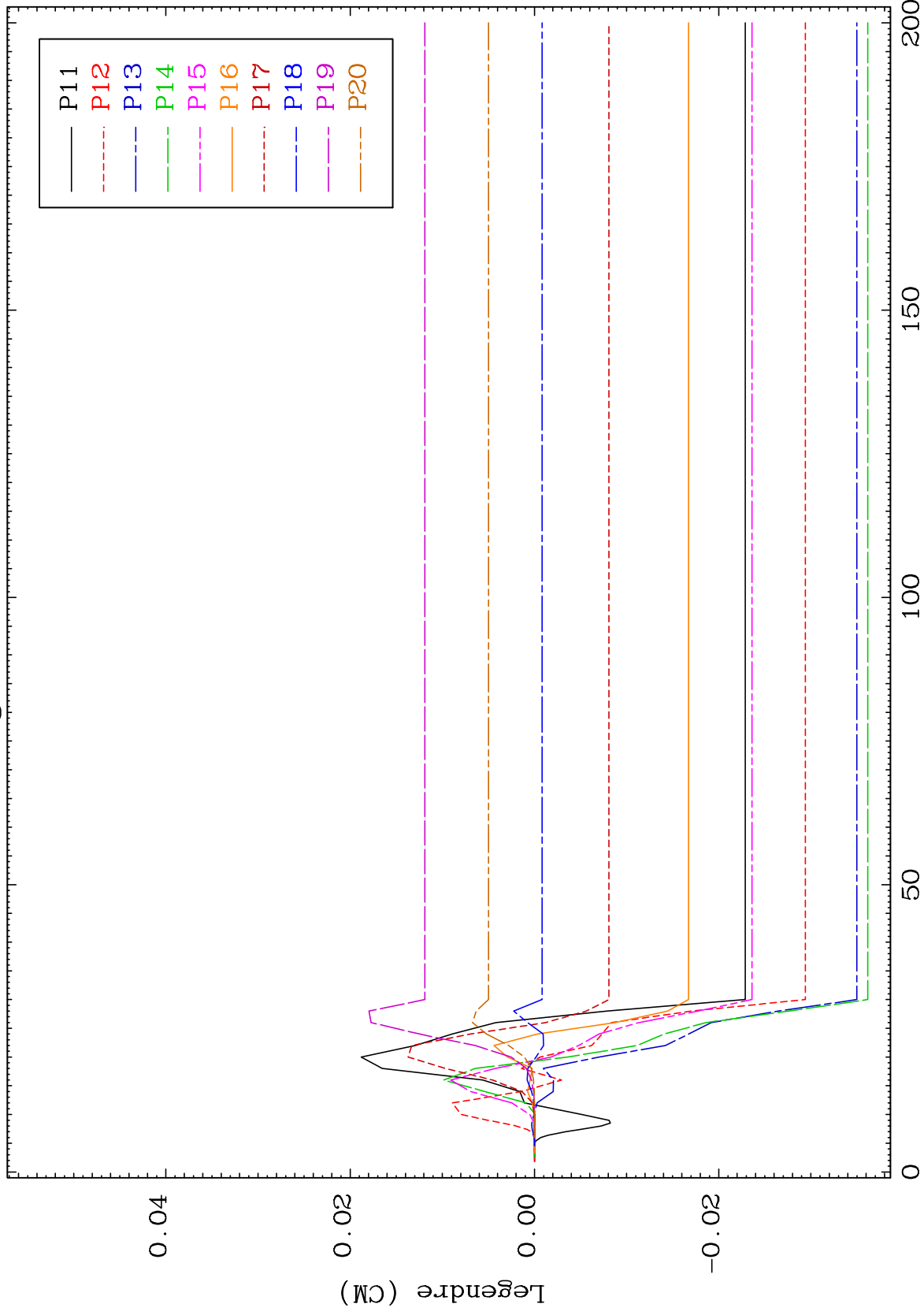
78-Pt-197



MAT 7846

MT= 77 (n,n') Level
Legendre Coefficients

78-Pt-197



110

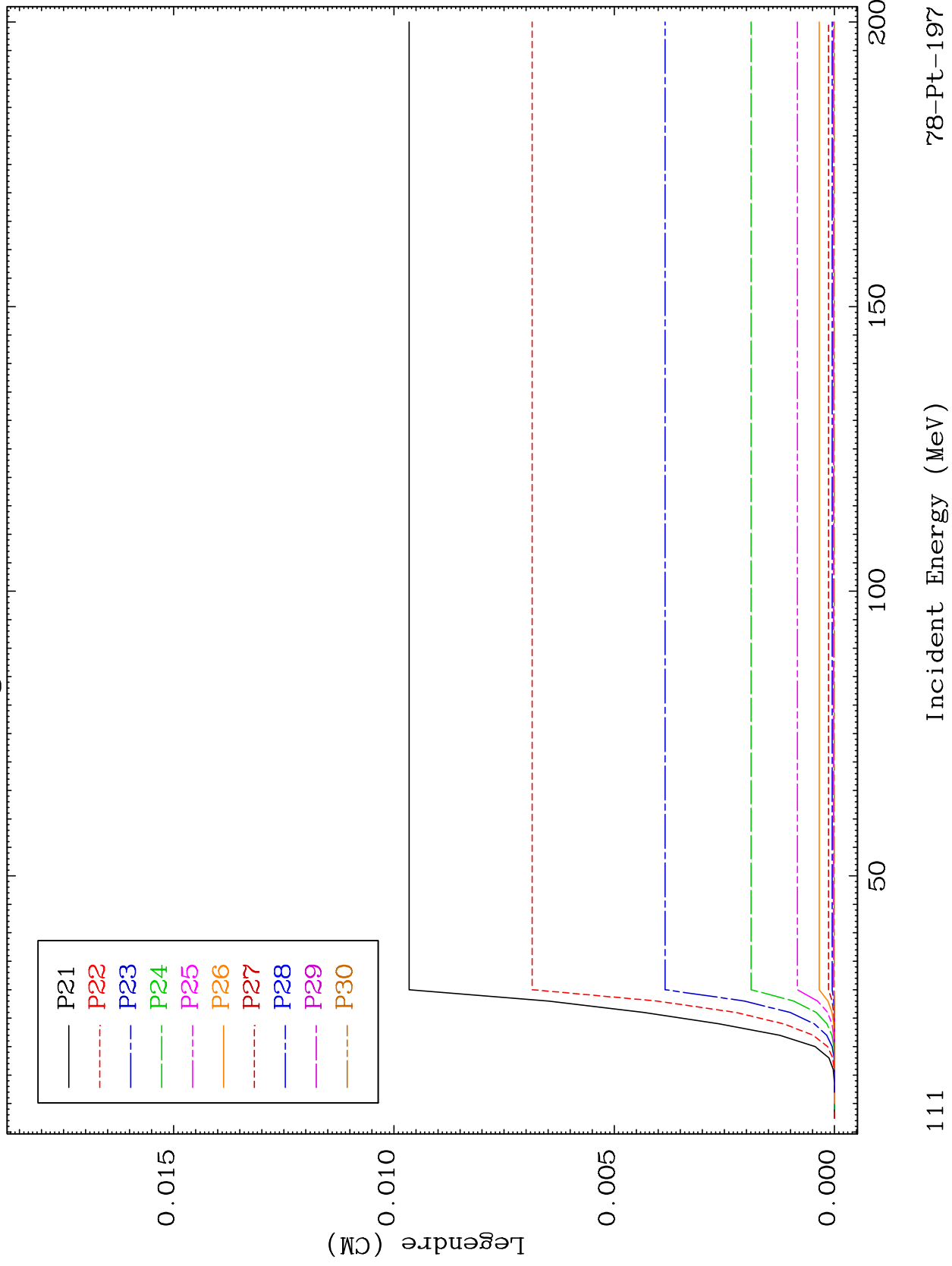
Incident Energy (MeV)

78-Pt-197

MAT 7846

MT= 77 (n,n') Level
Legendre Coefficients

78-Pt-197



111

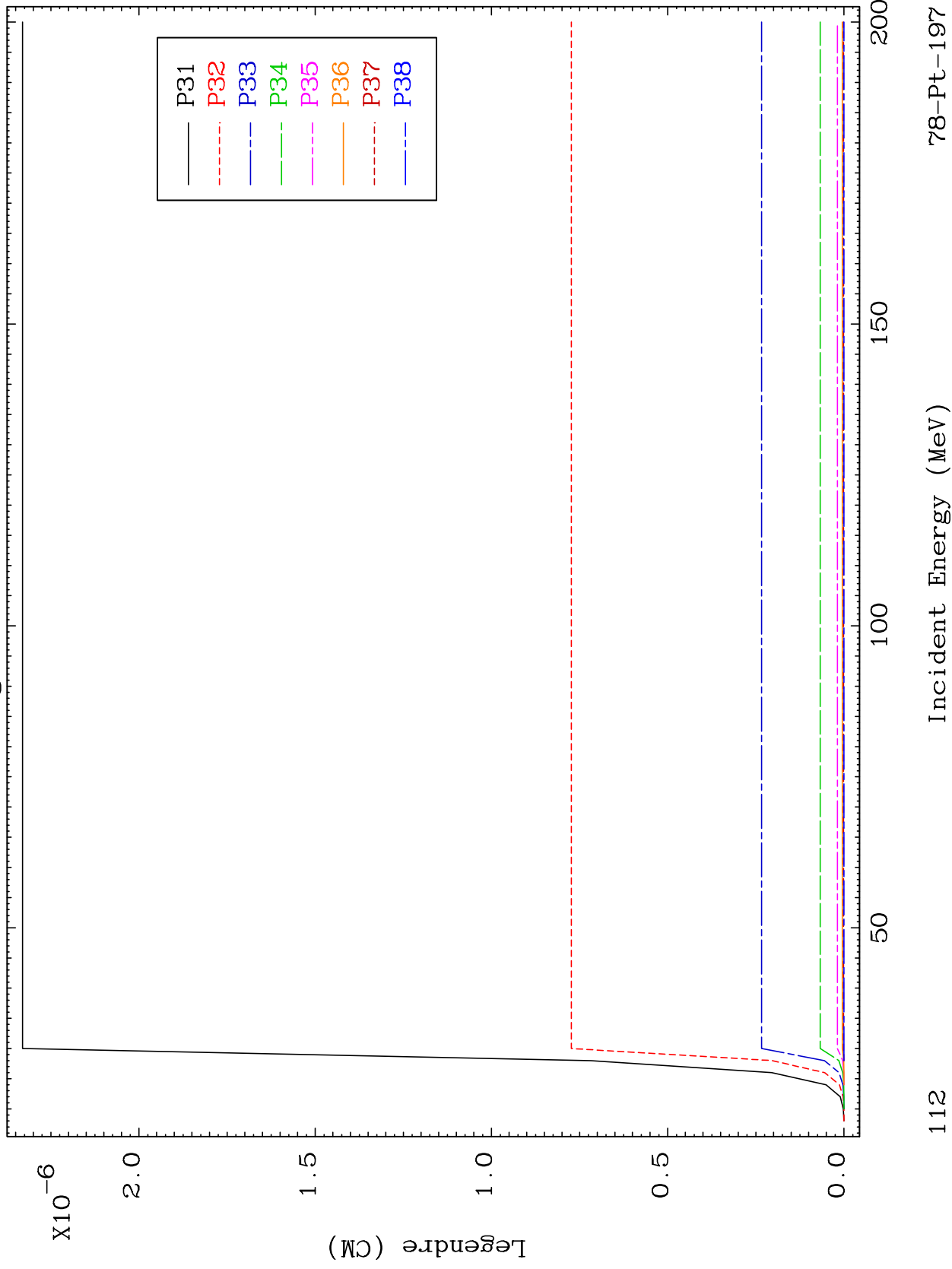
Incident Energy (MeV)

78-Pt-197

MAT 7846

MT= 77 (n,n') Level
Legendre Coefficients

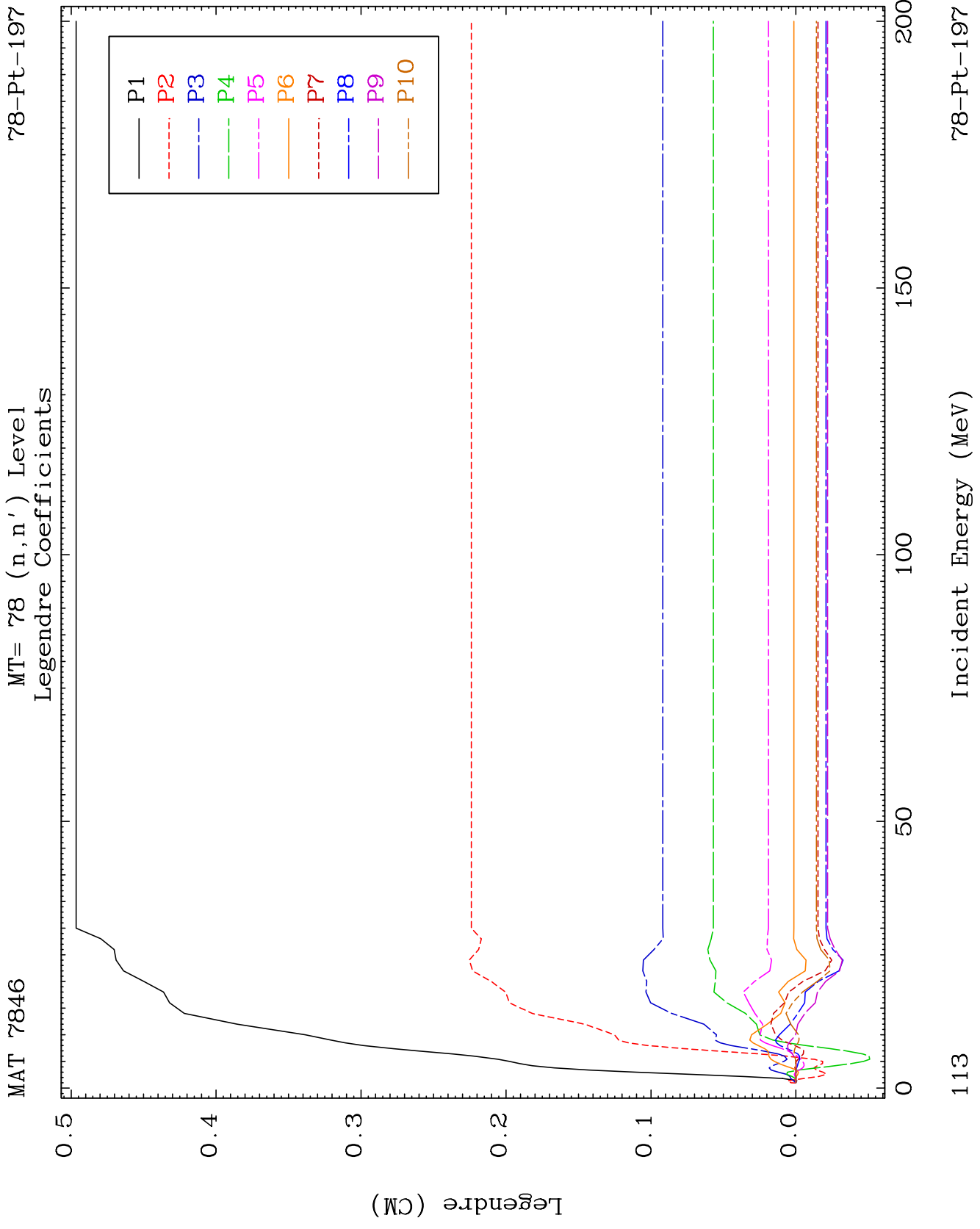
78-Pt-197



112

Incident Energy (MeV)

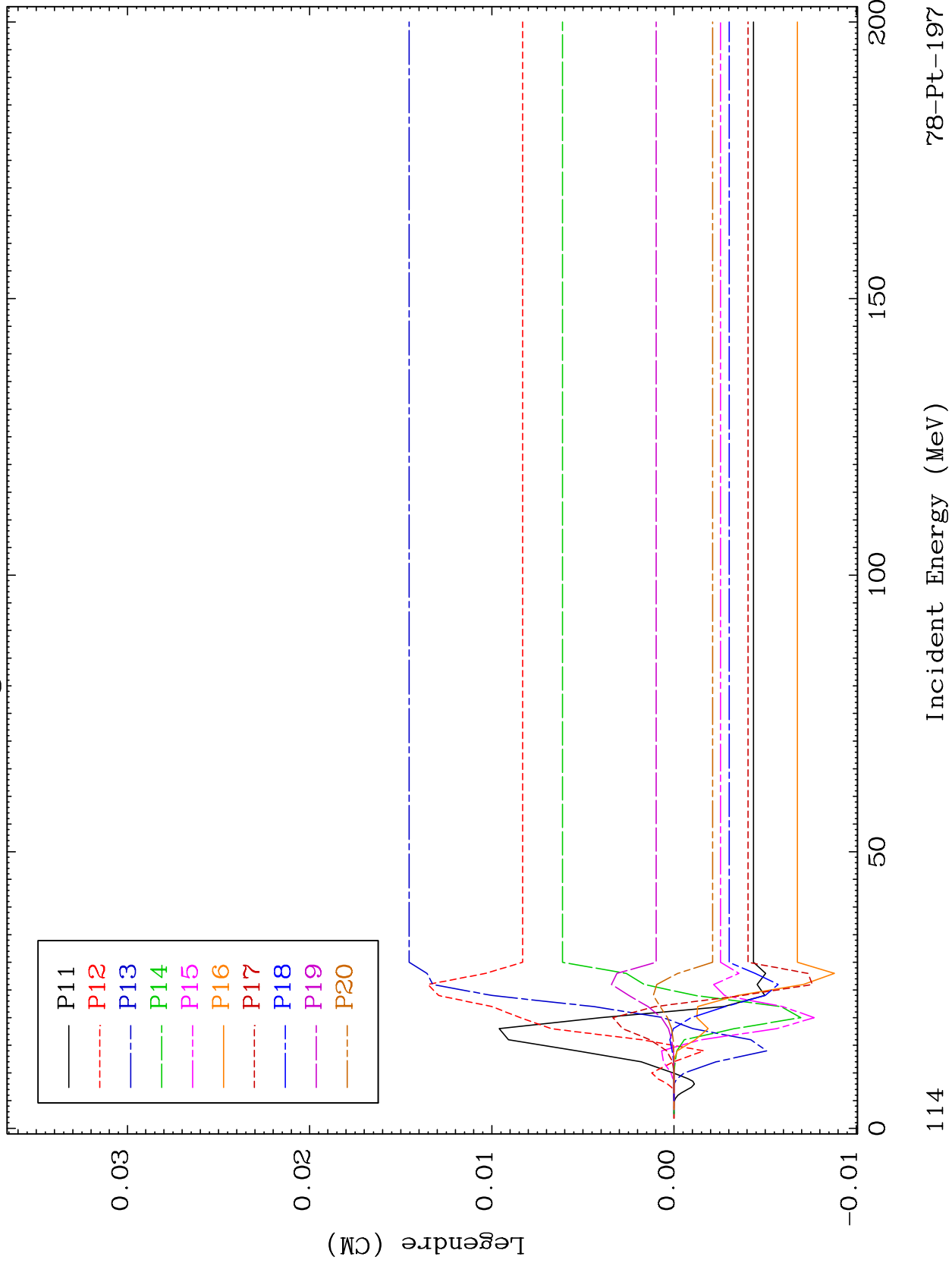
78-Pt-197



MAT 7846

MT= 78 (n,n') Level
Legendre Coefficients

78-Pt-197



114

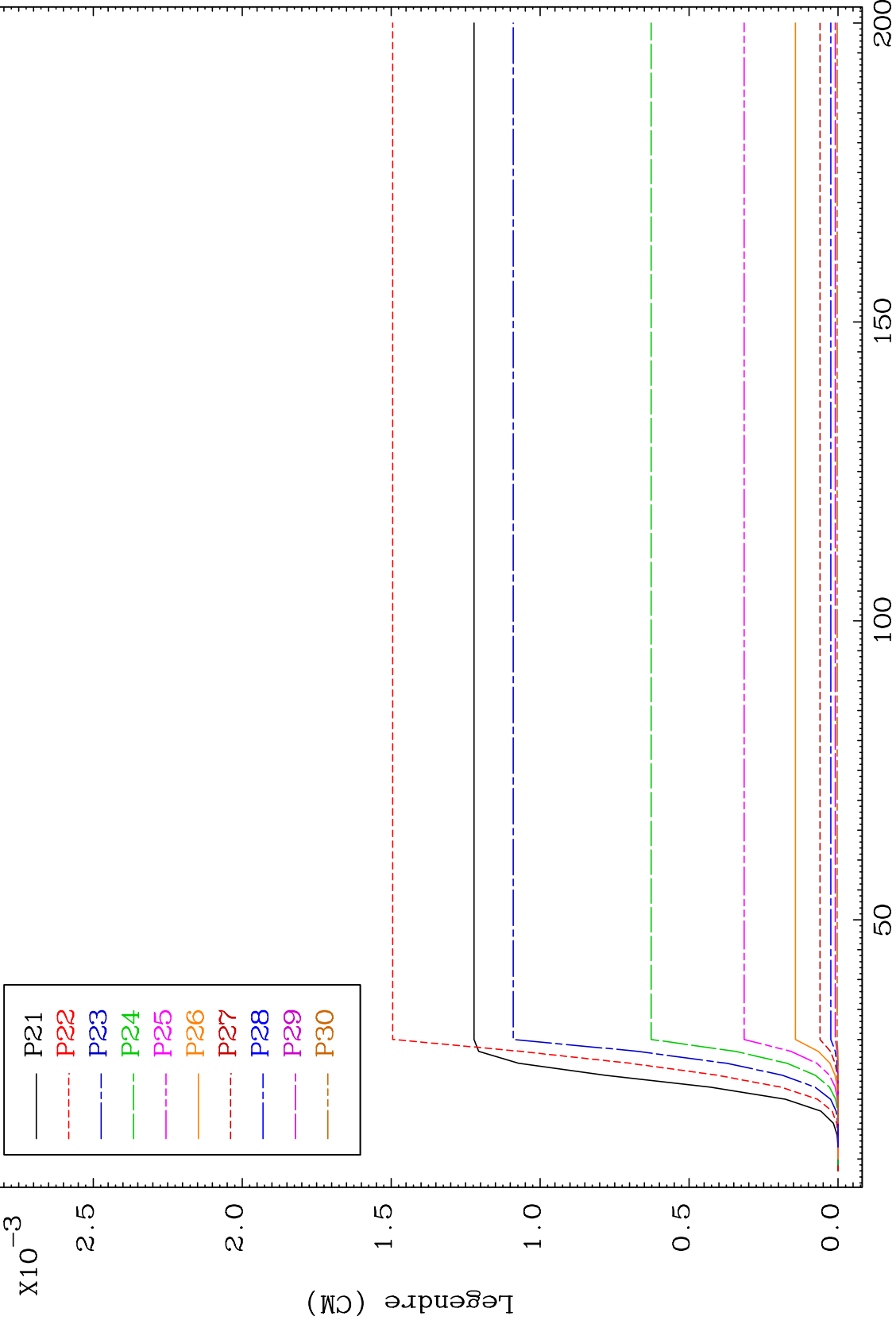
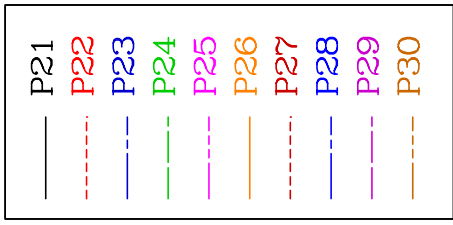
Incident Energy (MeV)

78-Pt-197

MAT 7846

MT= 78 (n,n') Level
Legendre Coefficients

78-Pt-197



115

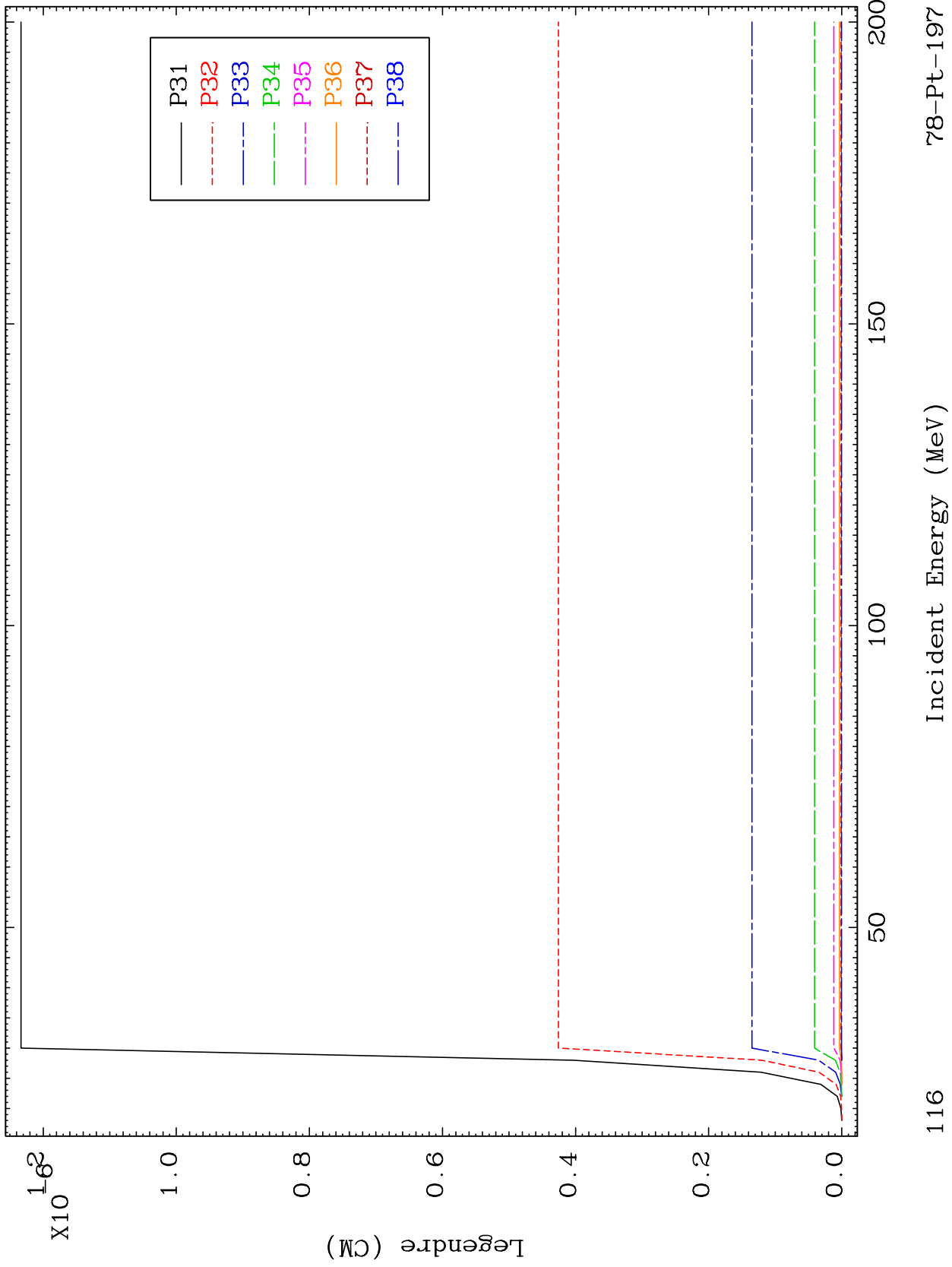
Incident Energy (MeV)

78-Pt-197

MAT 7846

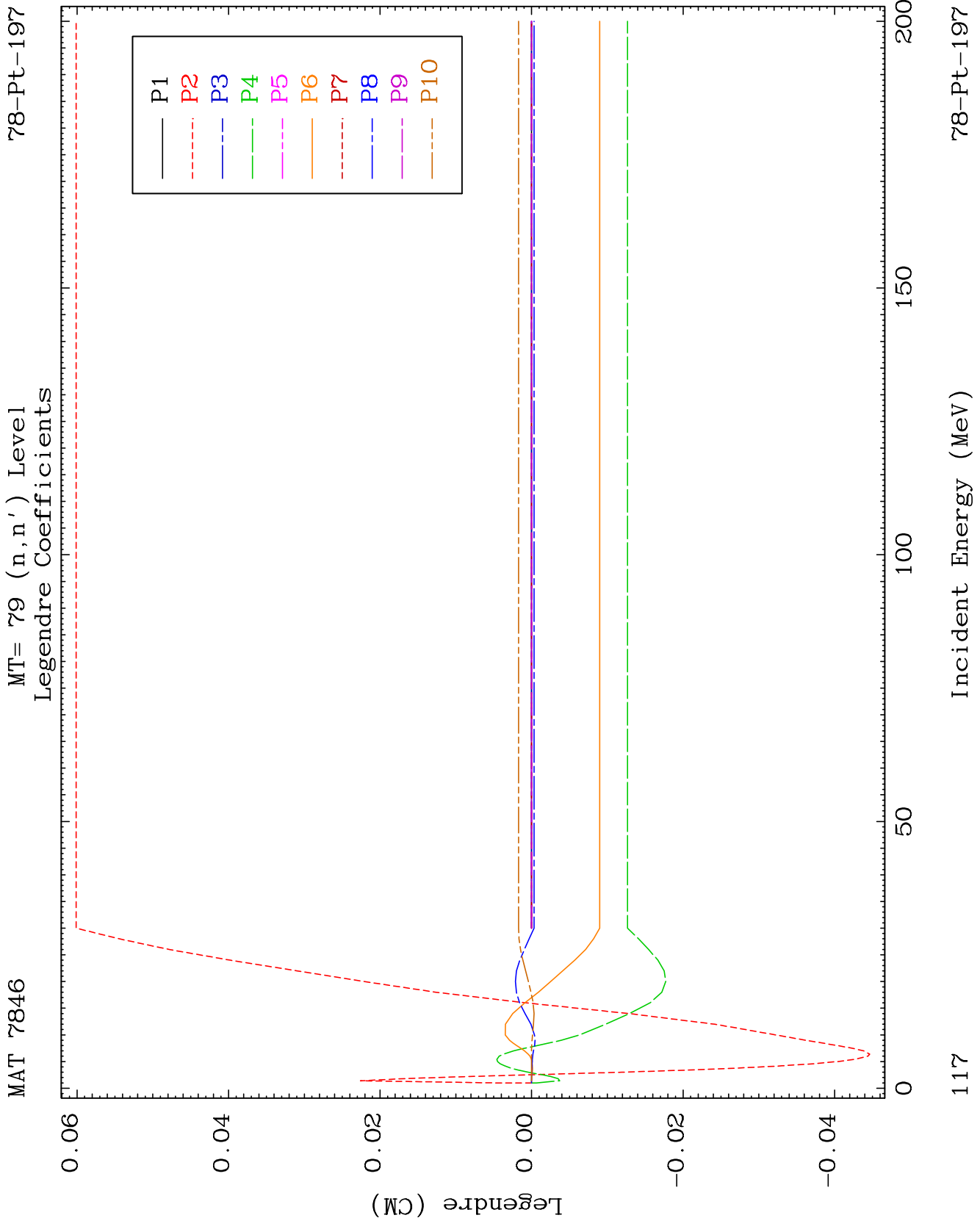
MT= 78 (n,n') Level
Legendre Coefficients

78-Pt-197



116

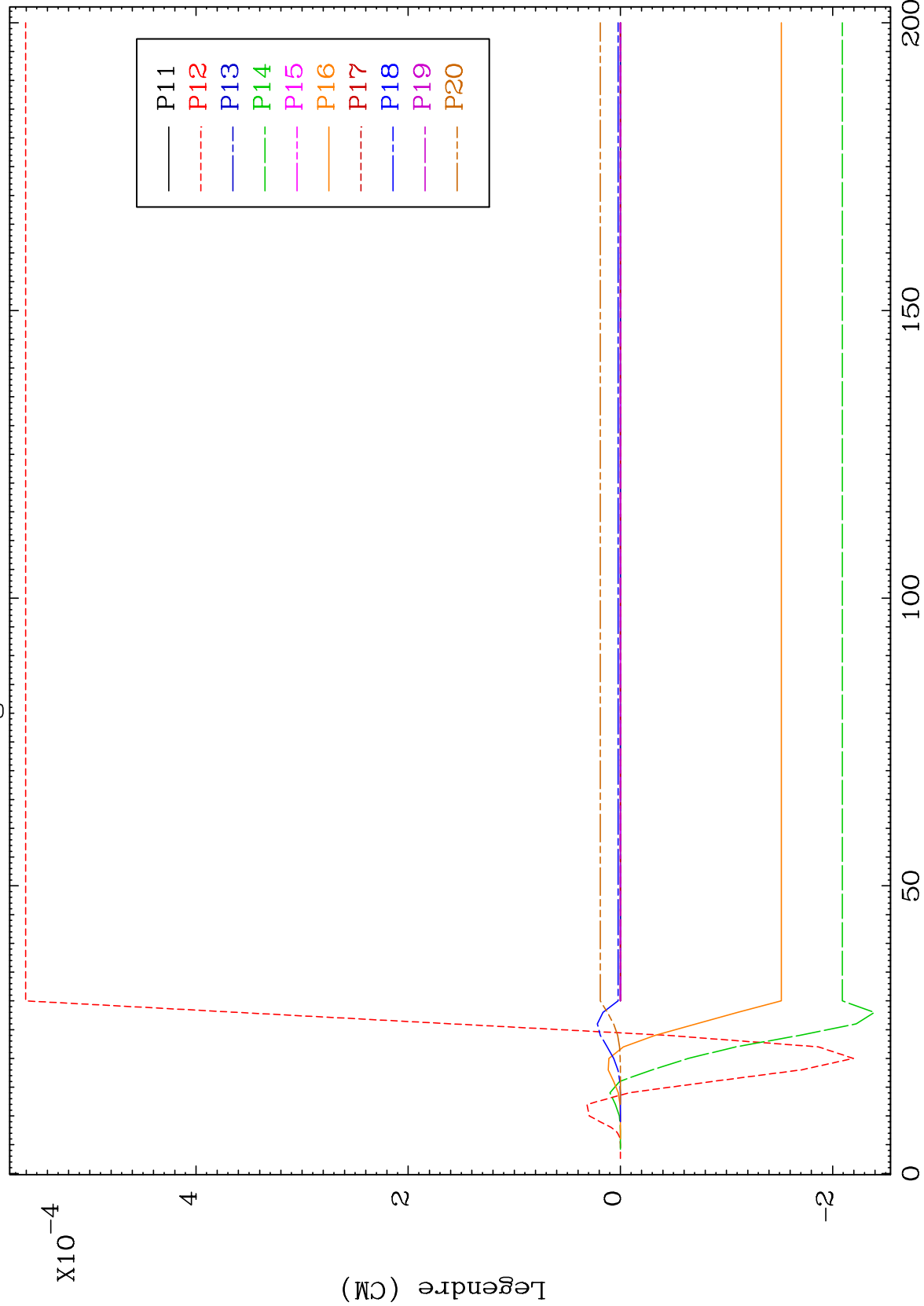
78-Pt-197



MAT 7846

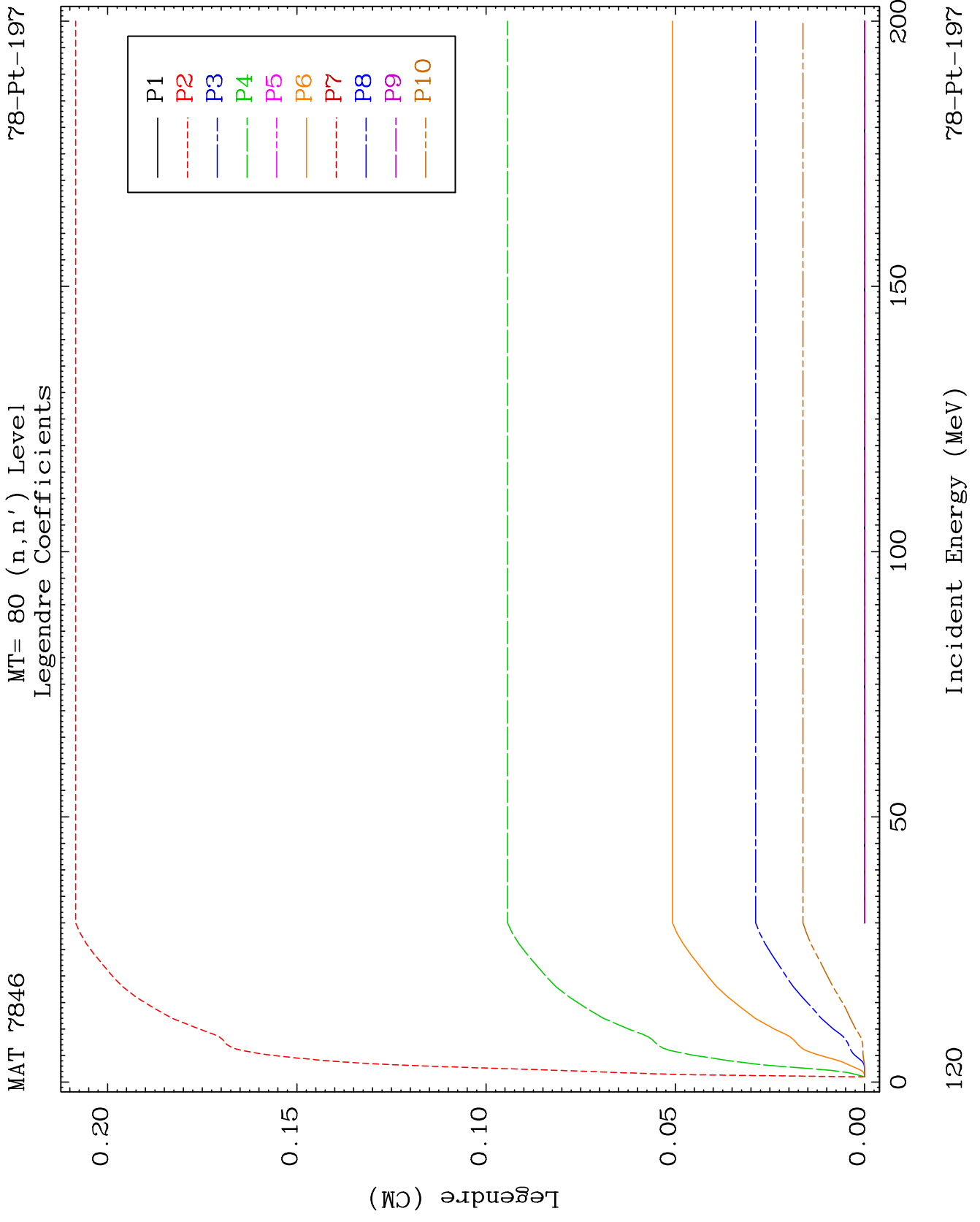
MT= 79 (n,n') Level
Legendre Coefficients

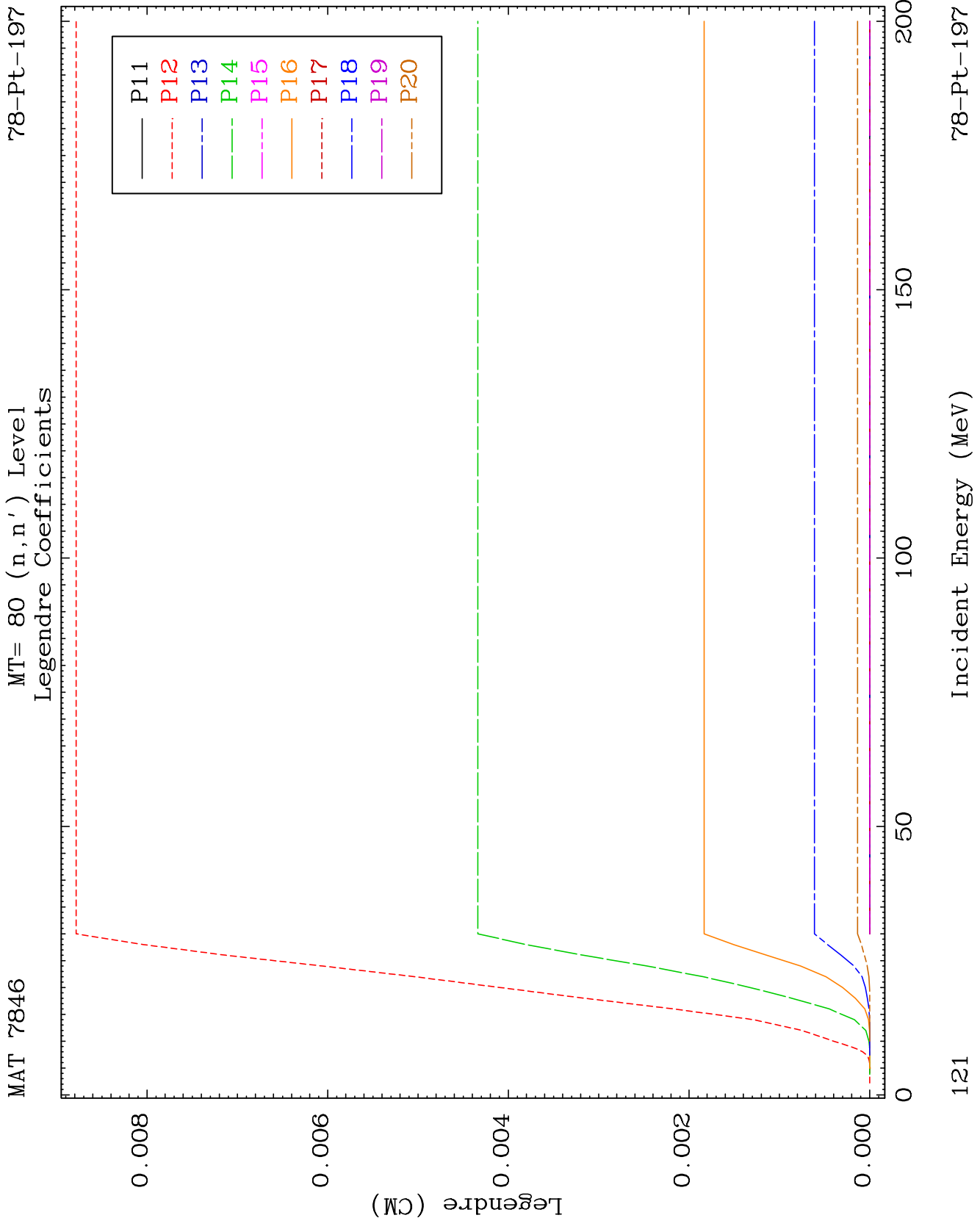
78-Pt-197

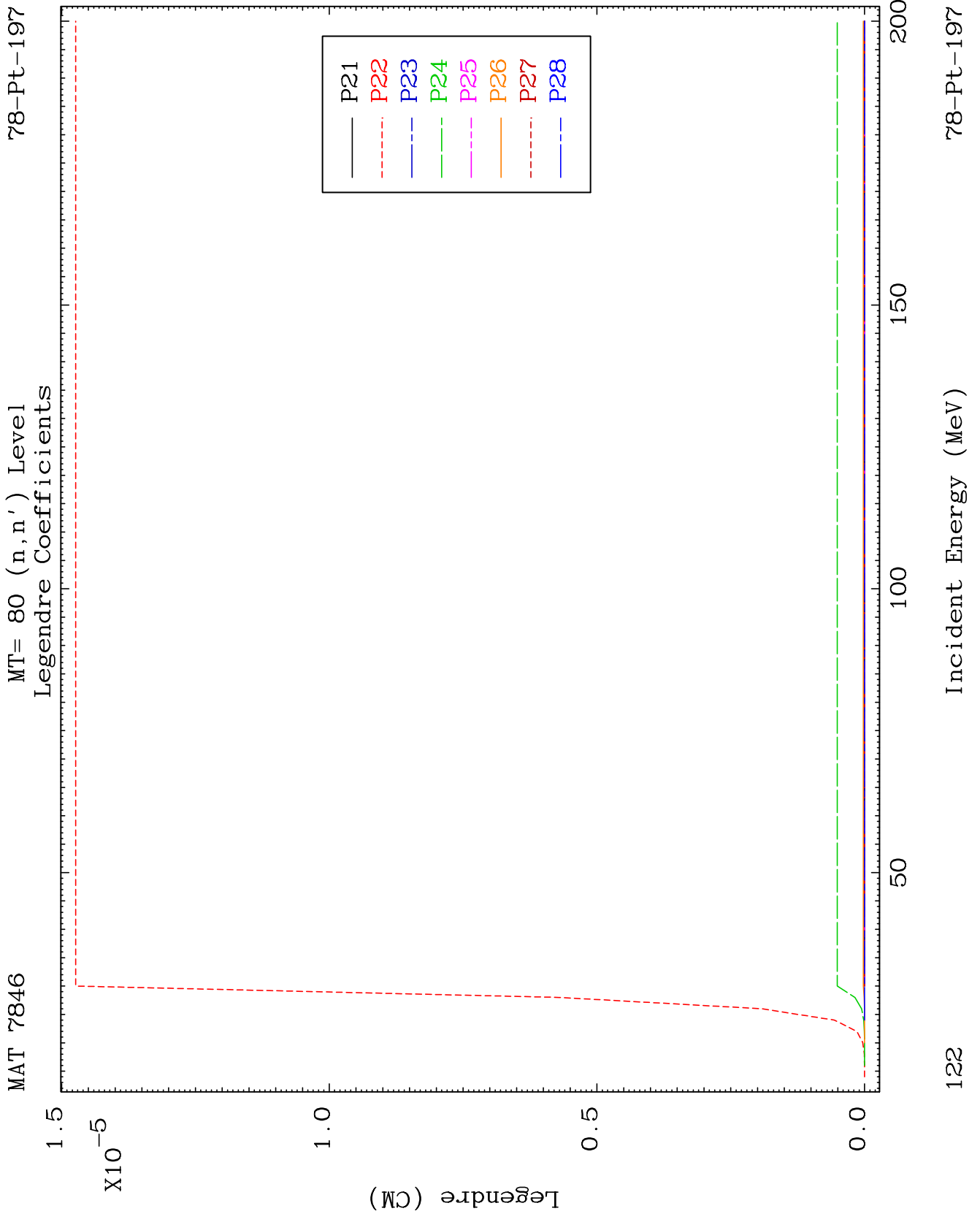


118

78-Pt-197



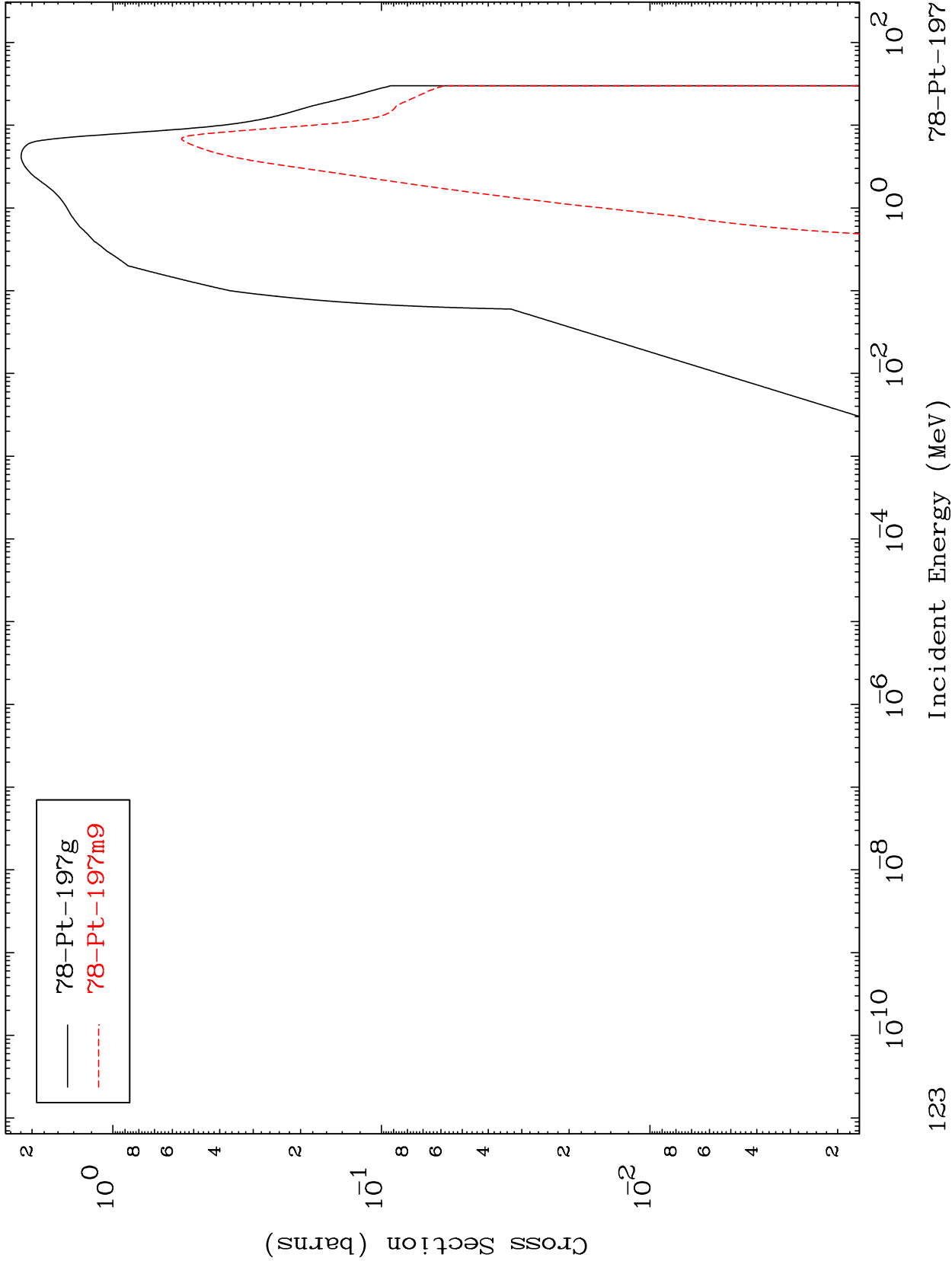




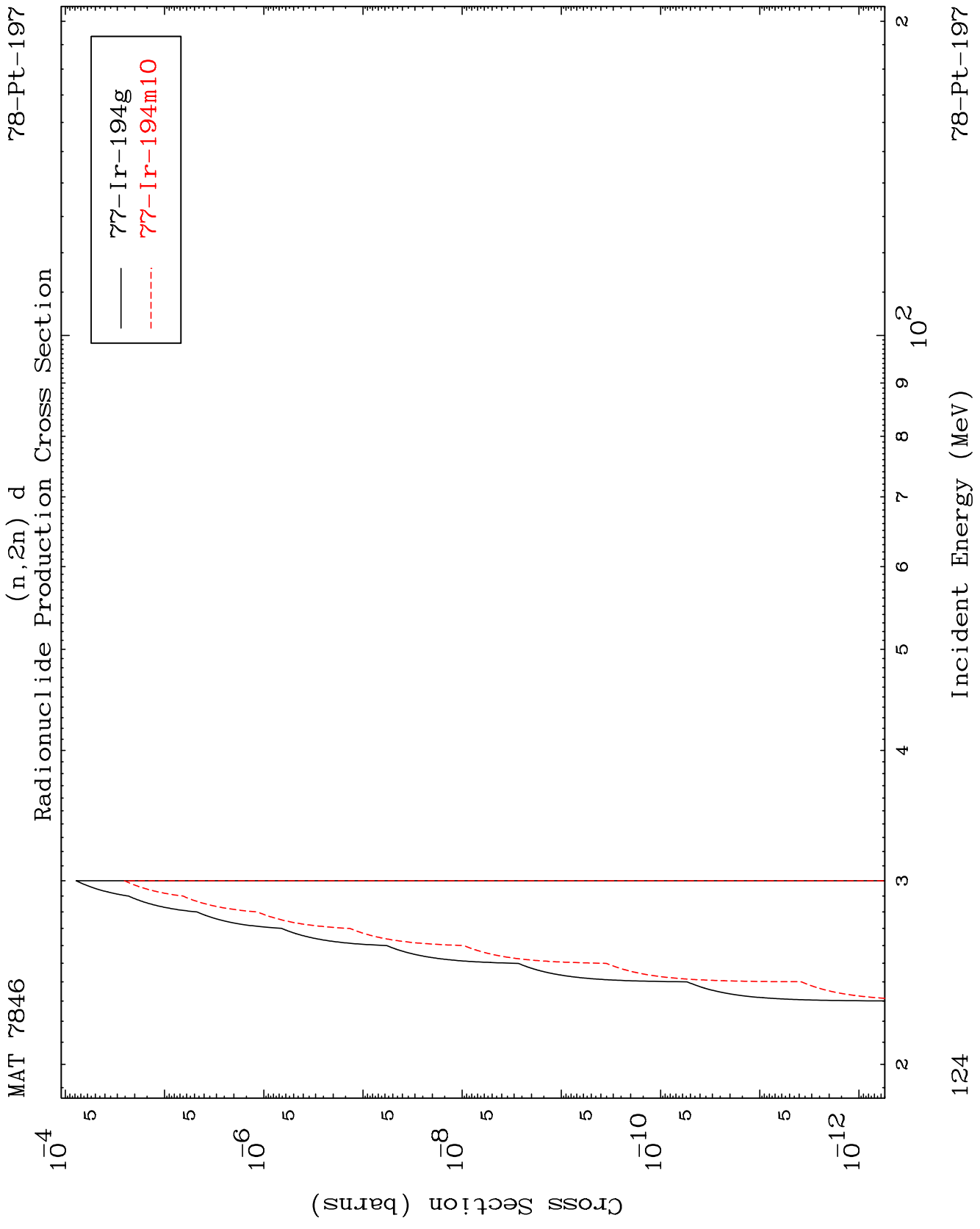
MAT 7846

Inelastic
Radionuclide Production Cross Section

78-Pt-197



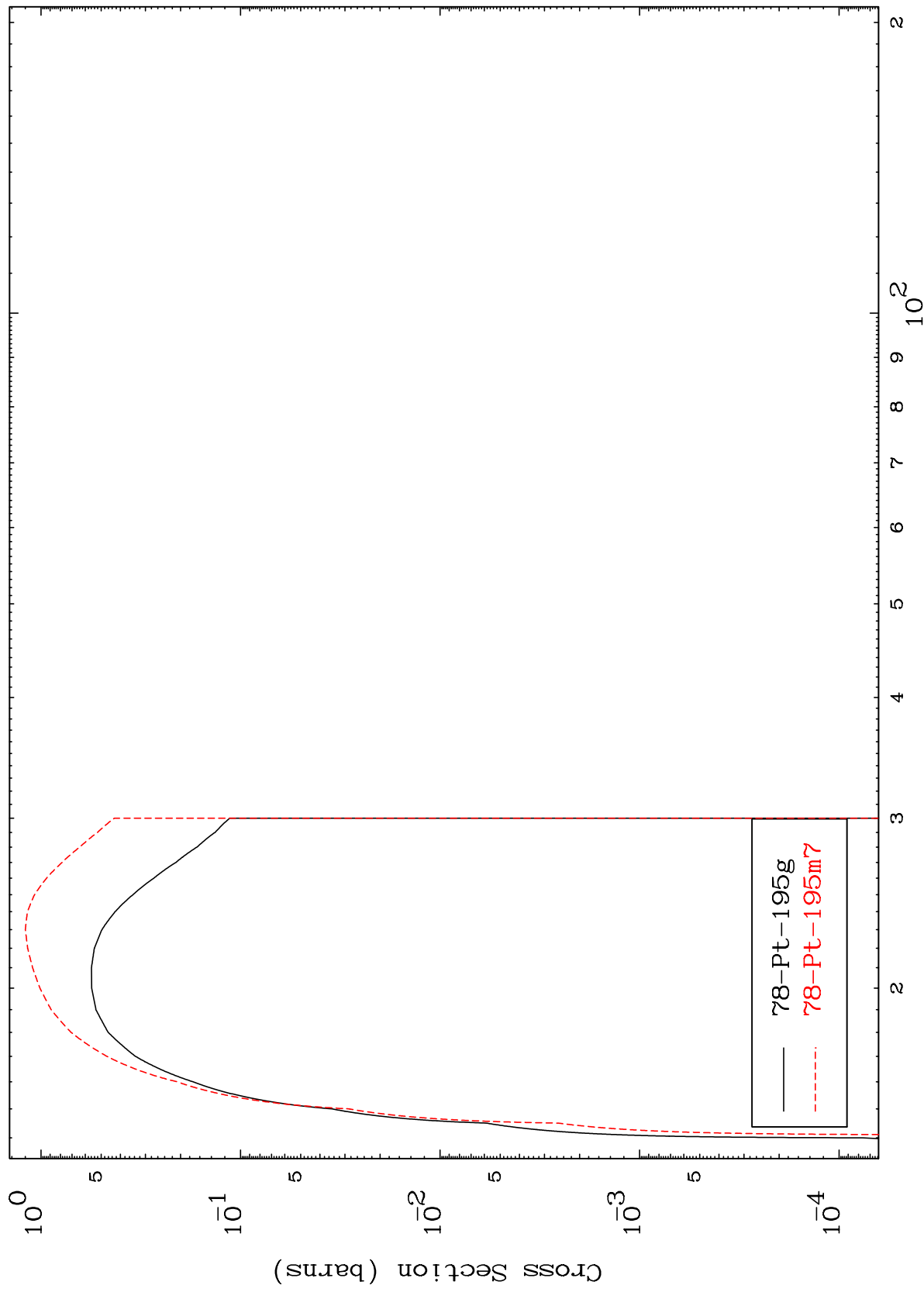
78-Pt-197



MAT 7846

78-Pt-197

(n,3n)
Radionuclide Production Cross Section



125

Incident Energy (MeV)

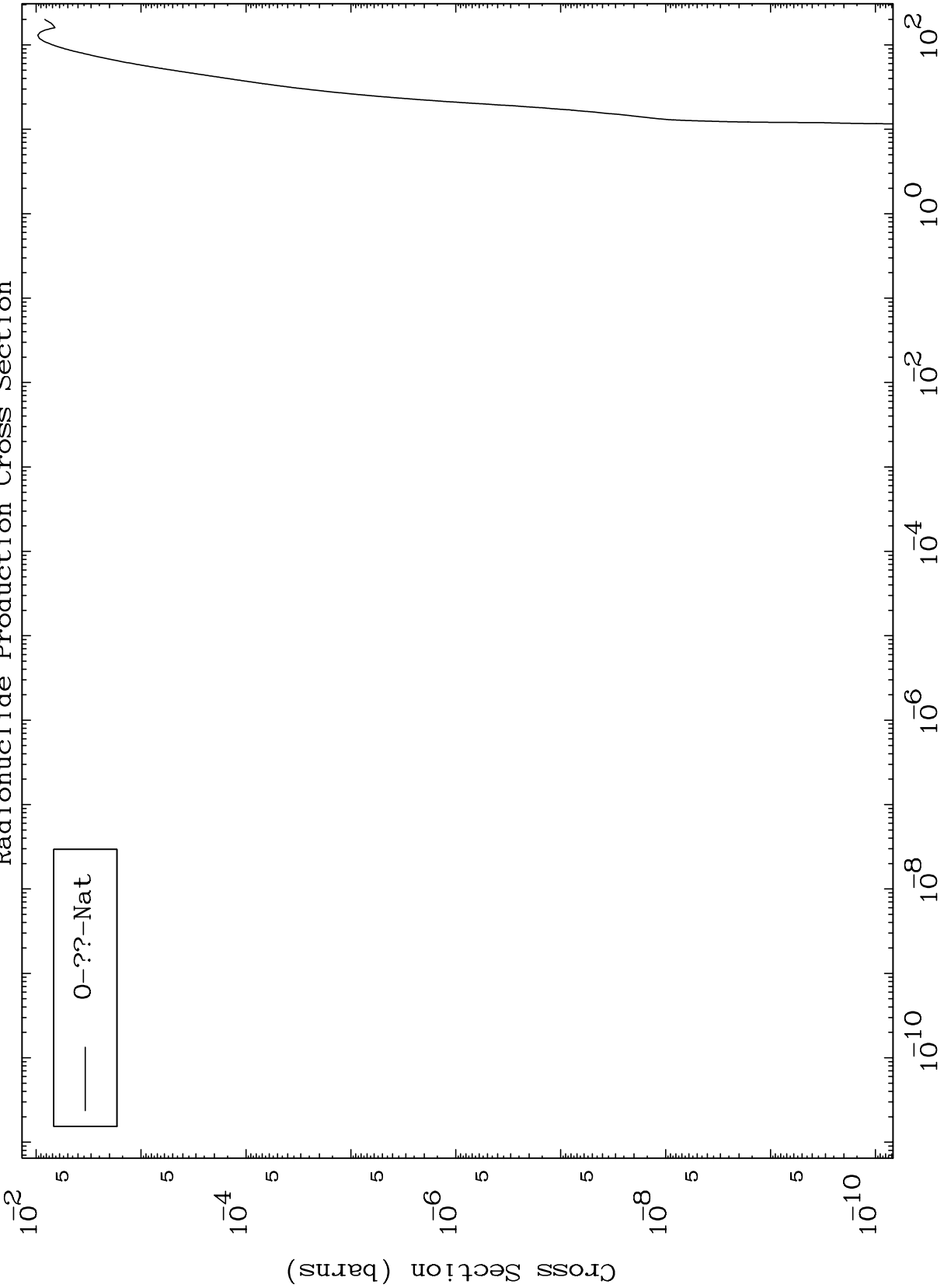
78-Pt-197

MAT 7846

Fission

78-Pt-197

Radionuclide Production Cross Section



126

Incident Energy (MeV)

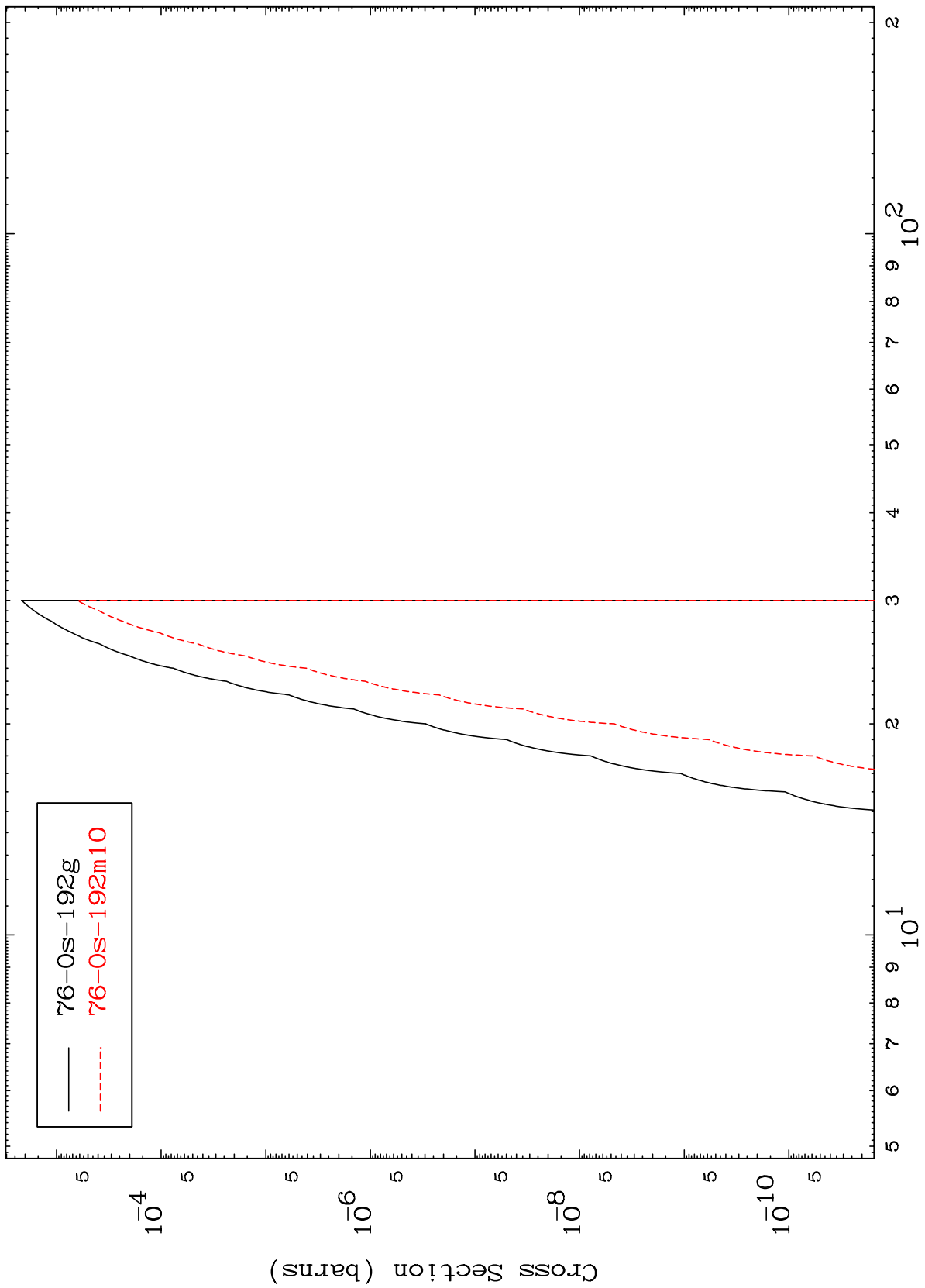
78-Pt-197

MAT 7846

$(n, 2n) \alpha$

78-Pt-197

Radionuclide Production Cross Section



76-0s-192g
76-0s-192m10

127

Incident Energy (MeV)

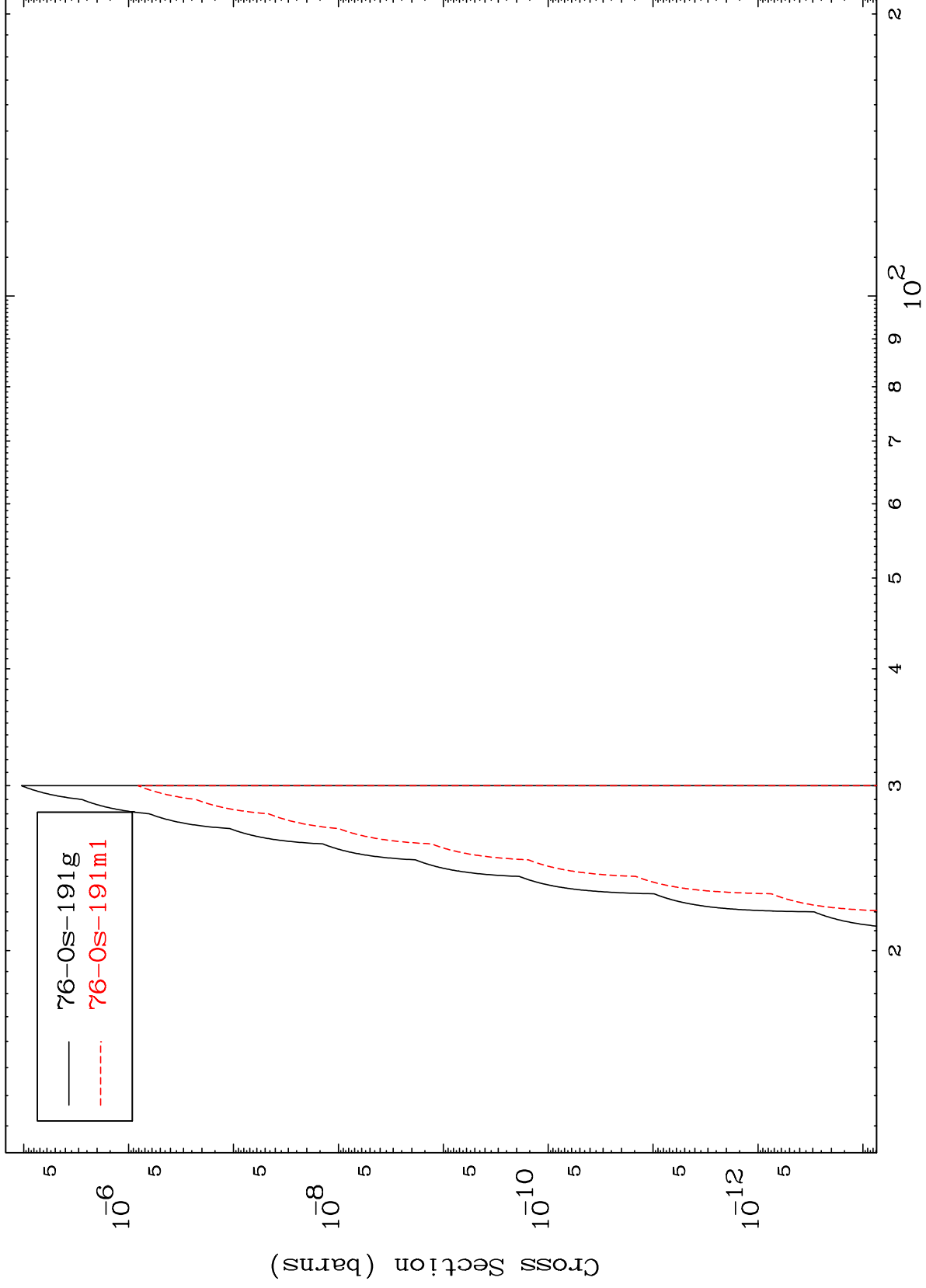
78-Pt-197

MAT 7846

(n,3n) α

78-Pt-197

Radionuclide Production Cross Section

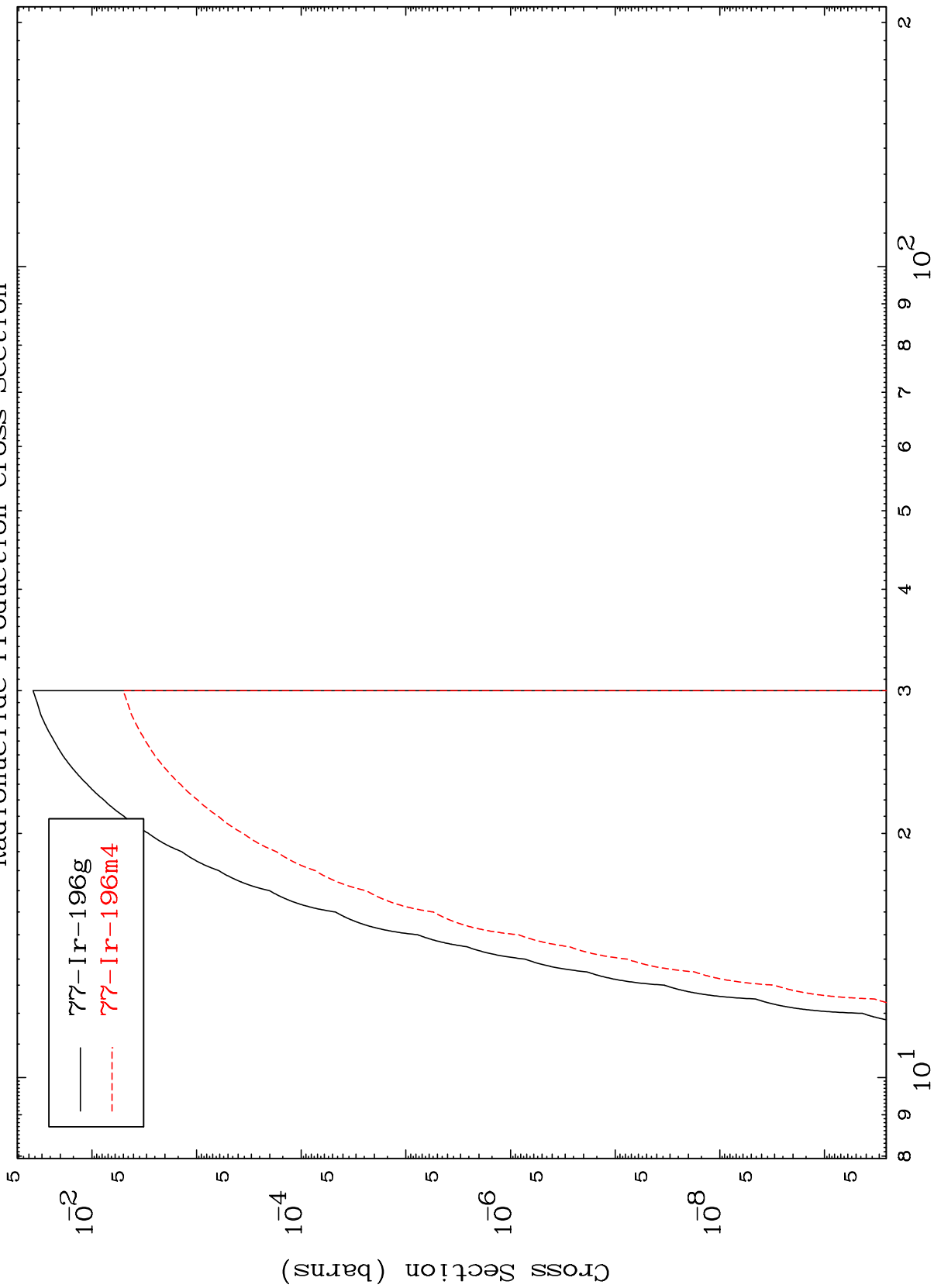


MAT 7846

(n,n') p

78-Pt-197

Radionuclide Production Cross Section



129

Incident Energy (MeV)

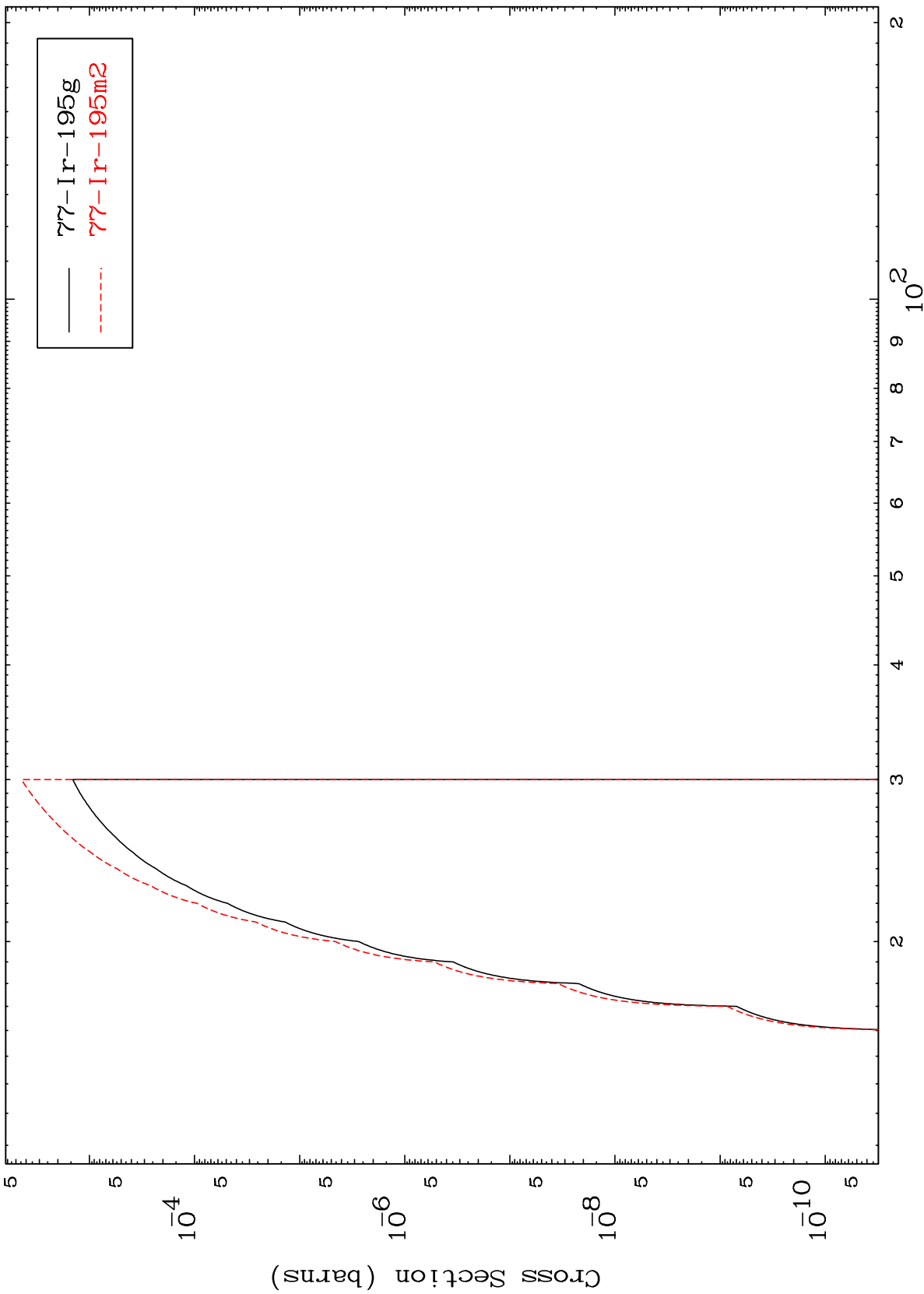
78-Pt-197

MAT 7846

(n,n') d

78-Pt-197

Radionuclide Production Cross Section



130

Incident Energy (MeV)

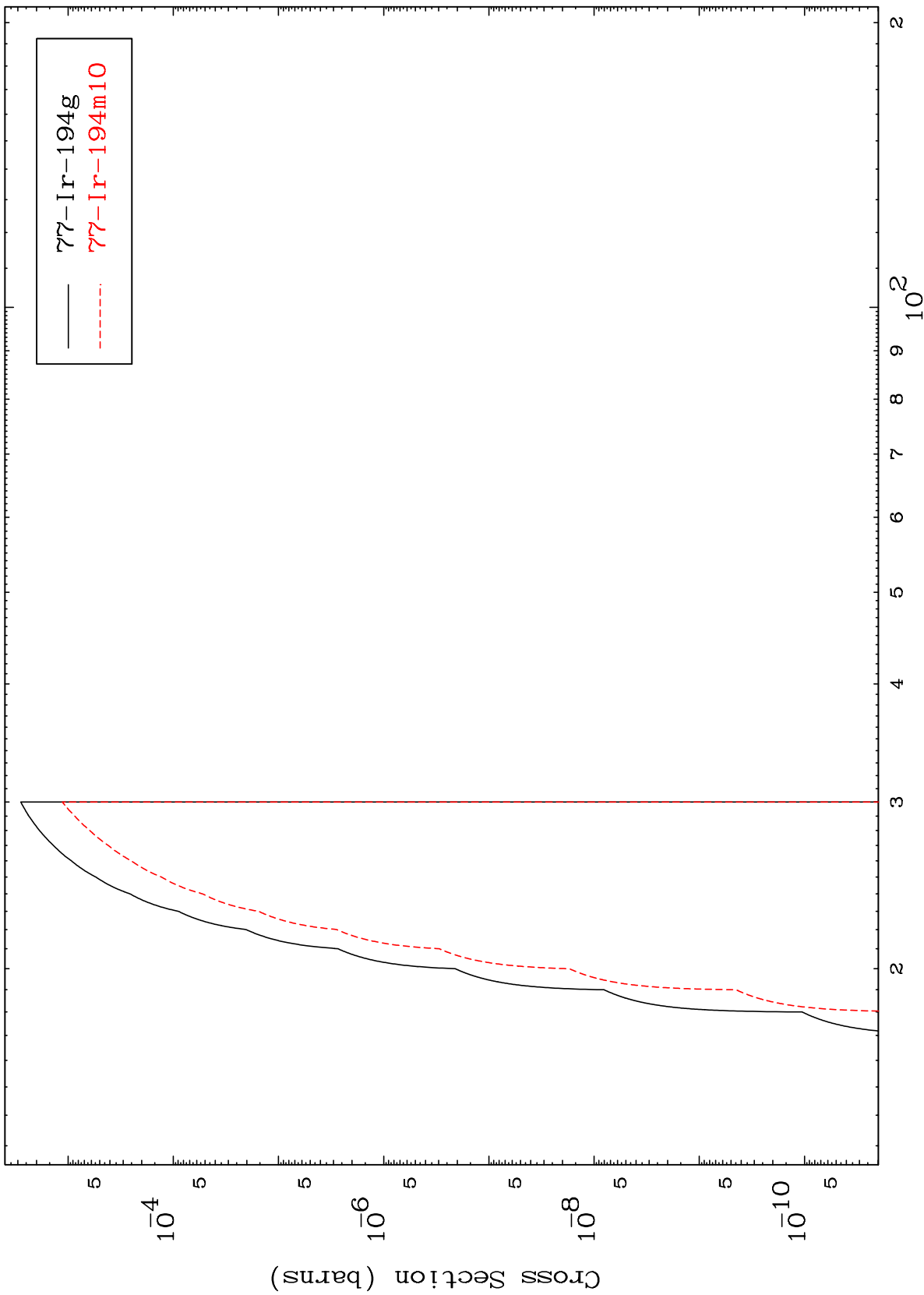
78-Pt-197

MAT 7846

(n,n') t

78-Pt-197

Radionuclide Production Cross Section



131

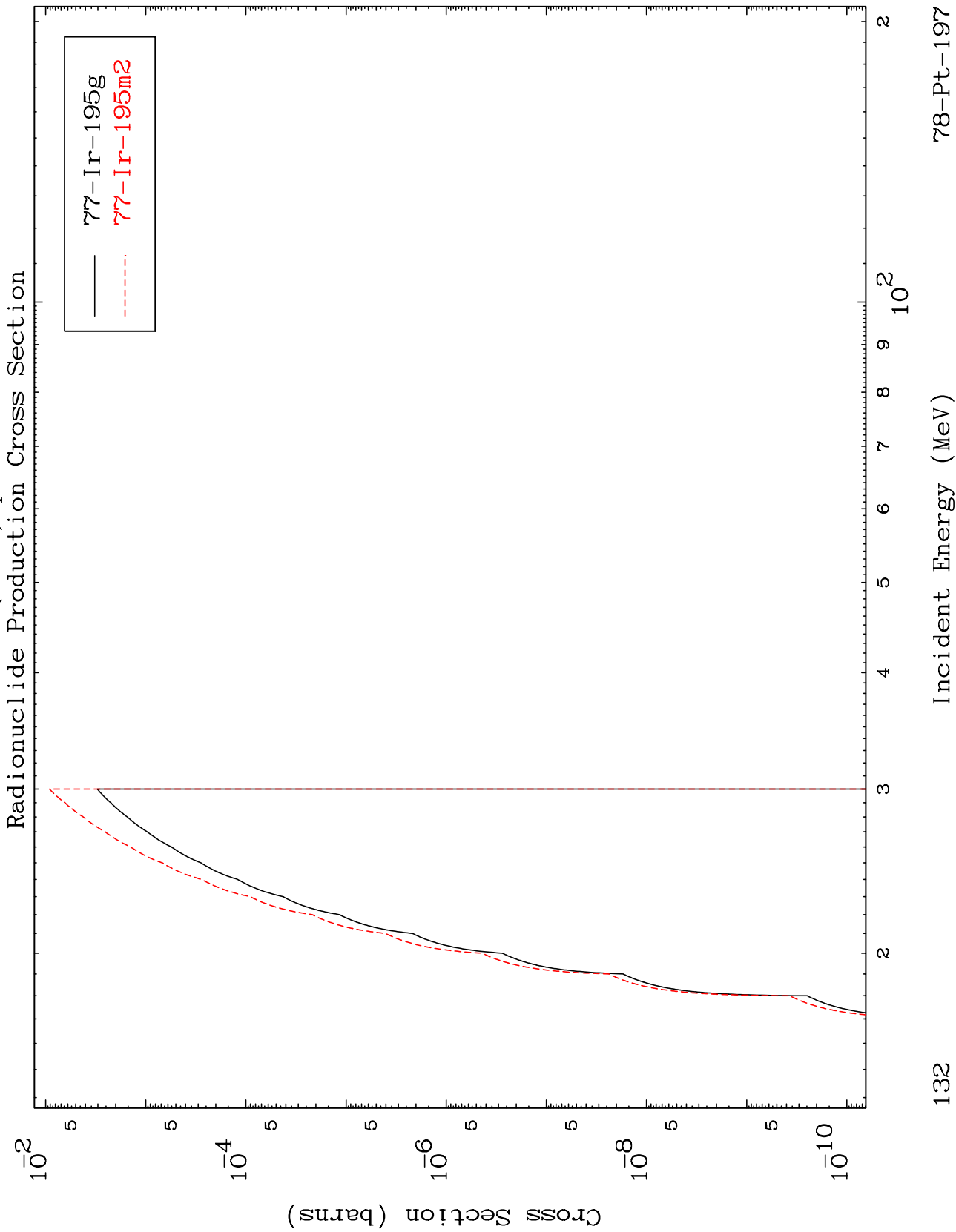
Incident Energy (MeV)

78-Pt-197

MAT 7846

(n,2n) p

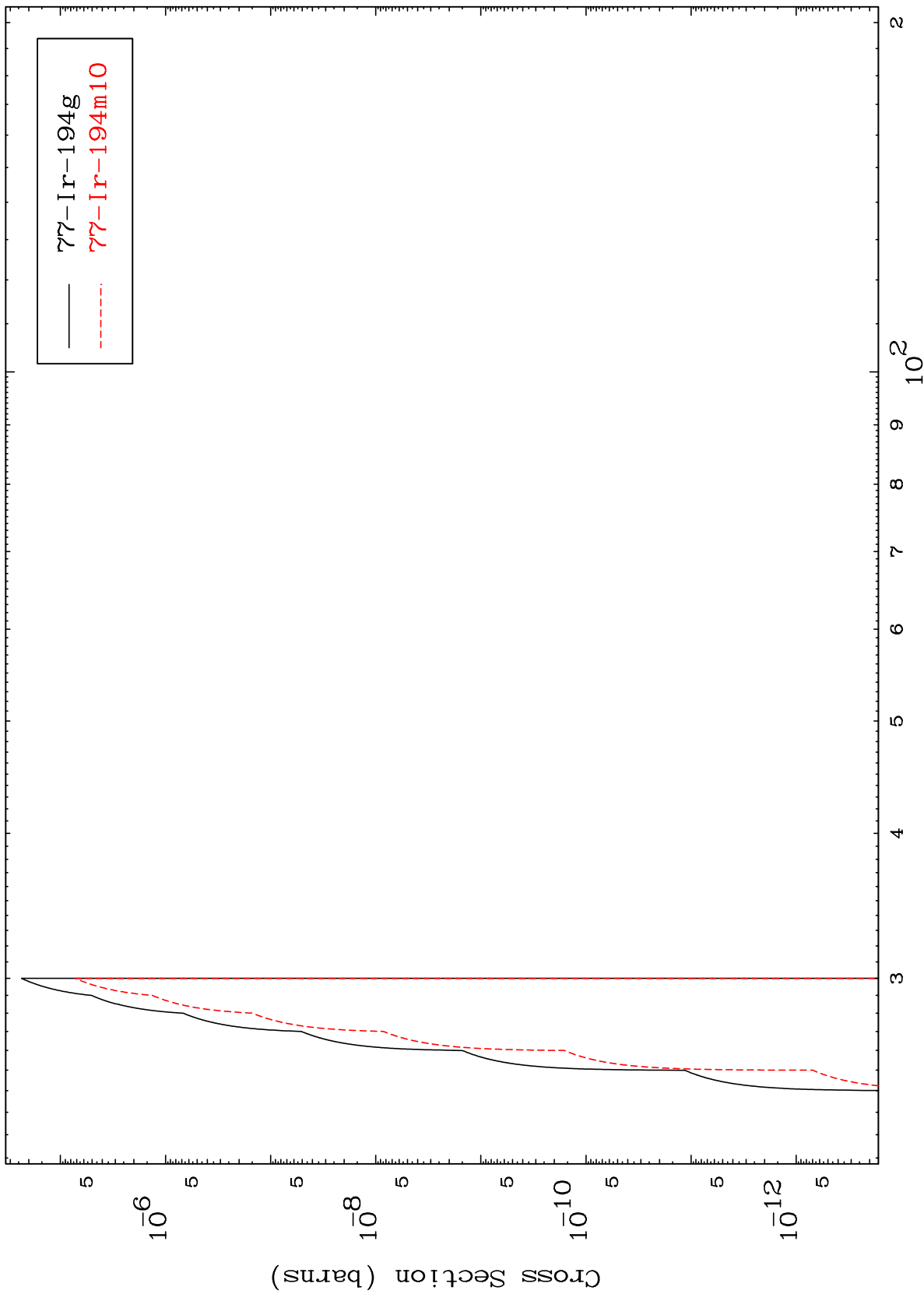
78-Pt-197



132

78-Pt-197

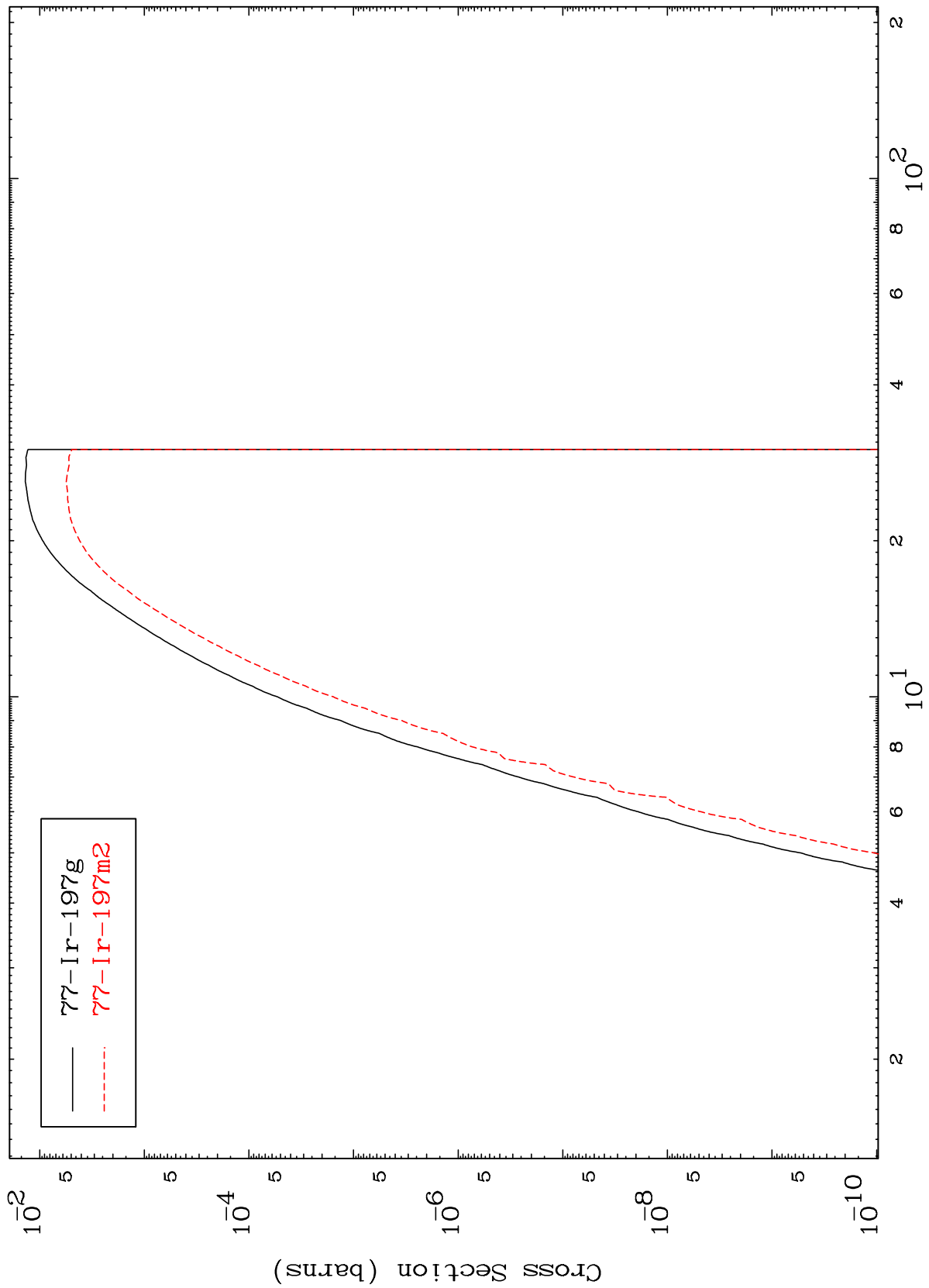
Radionuclide Production Cross Section



MAT 7846

78-Pt-197

(n,p)
Radionuclide Production Cross Section



— 77-Ir-197g
- - - 77-Ir-197m2

134

Incident Energy (MeV)

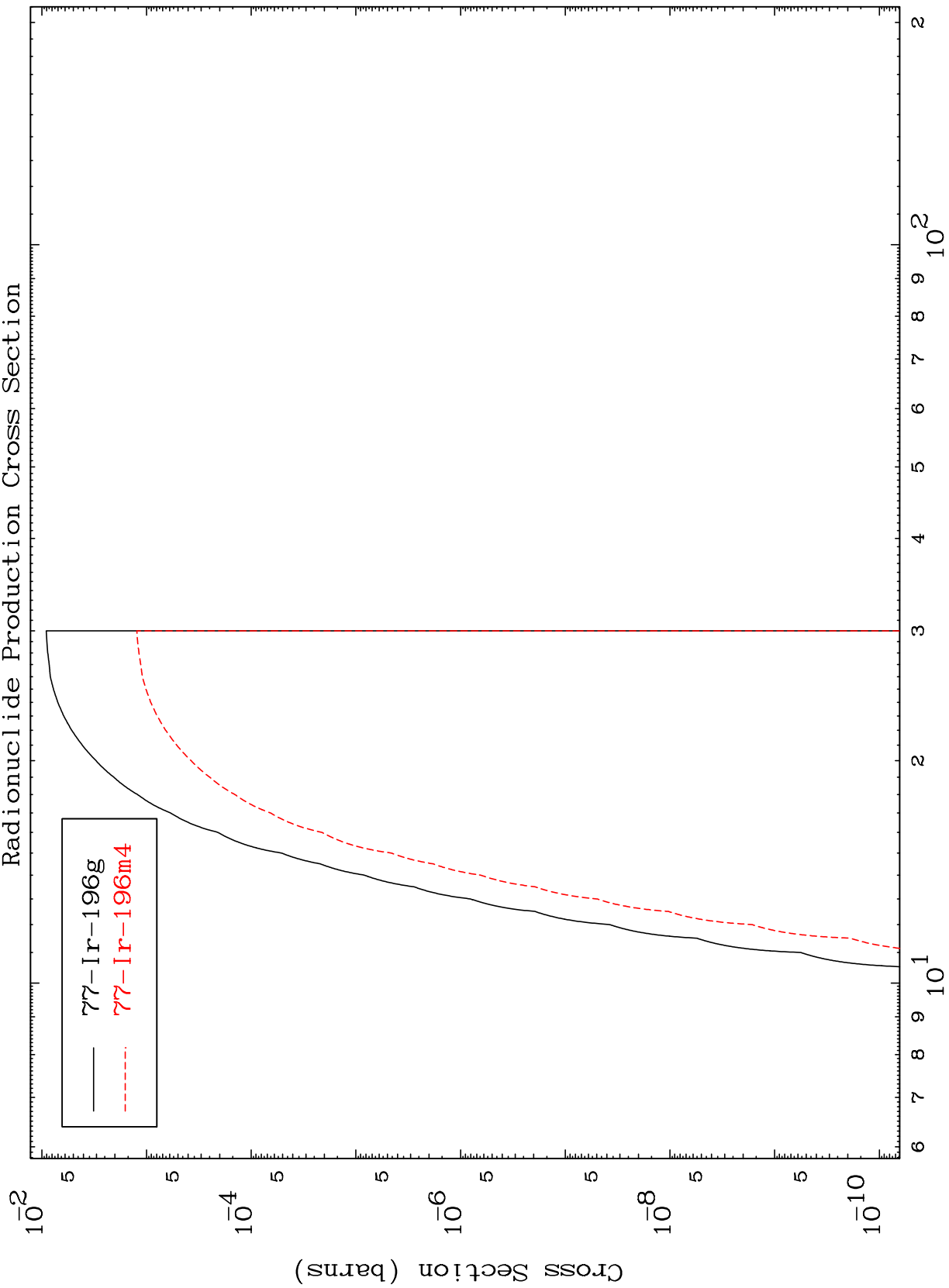
78-Pt-197

MAT 7846

(n,d)

78-Pt-197

Radionuclide Production Cross Section



135

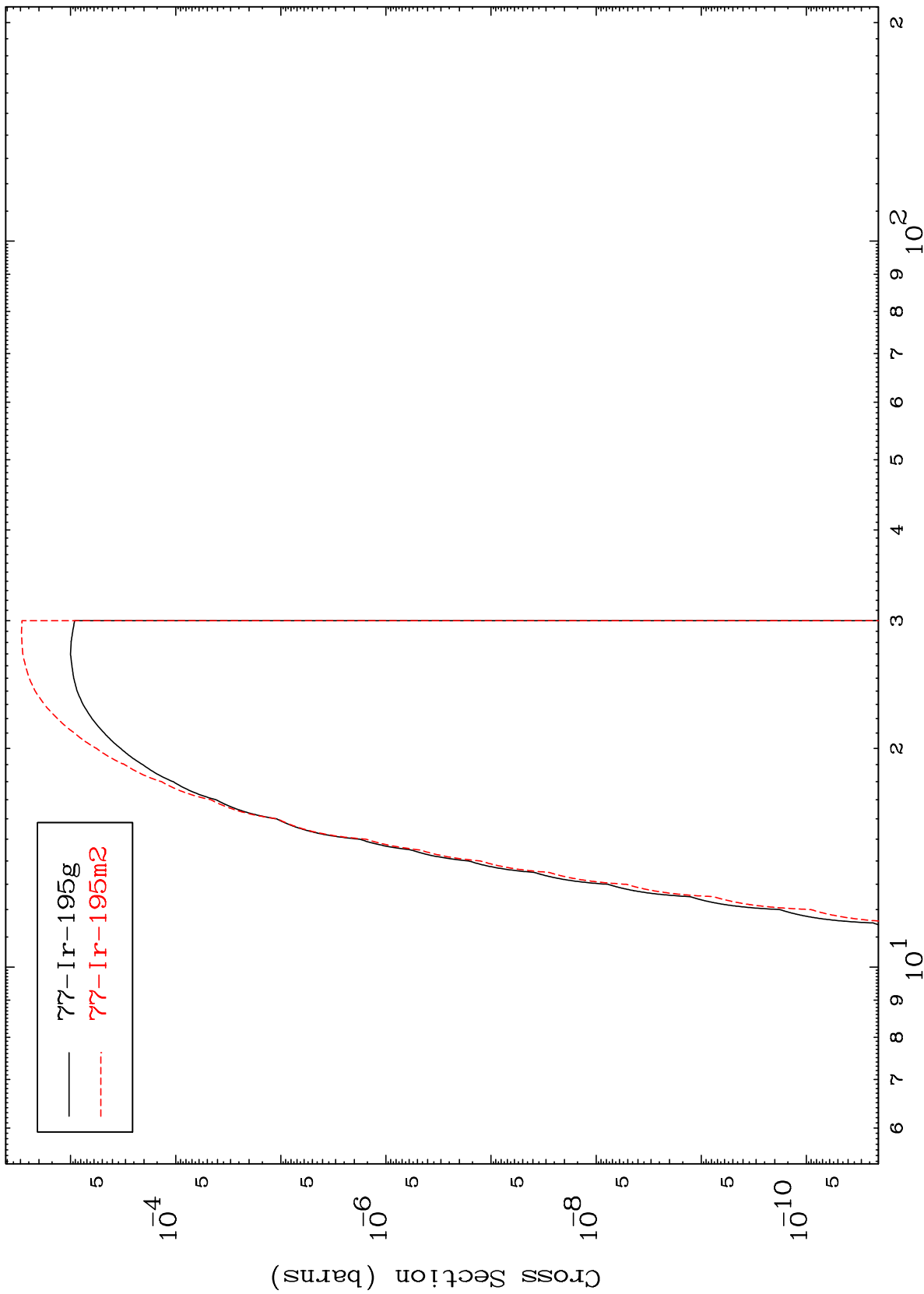
Incident Energy (MeV)

78-Pt-197

MAT 7846

78-Pt-197

(n, t)
Radionuclide Production Cross Section



136

Incident Energy (MeV)

78-Pt-197