

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

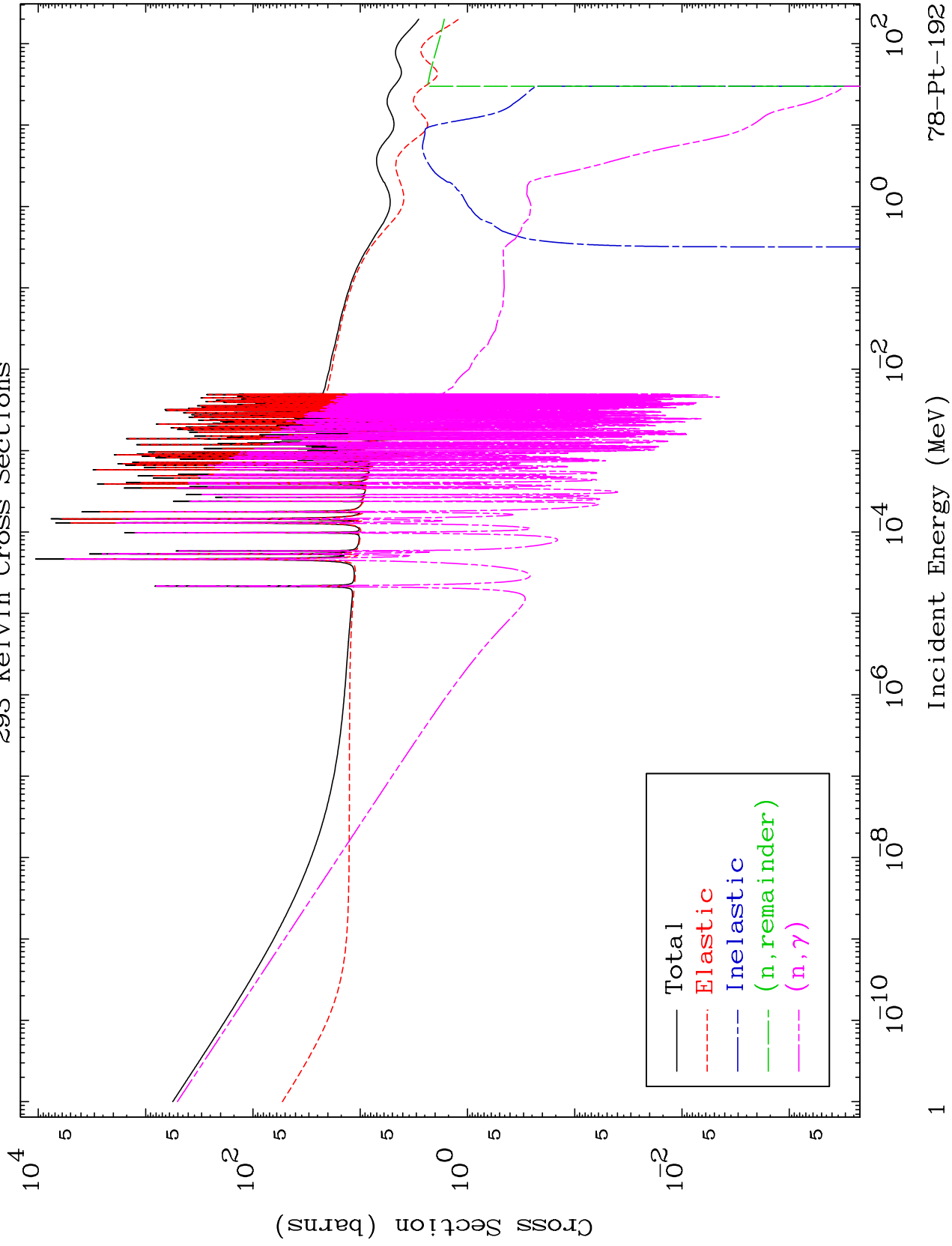
Press Mouse Button to Start

MAT 7831

Major

293 Kelvin Cross Sections

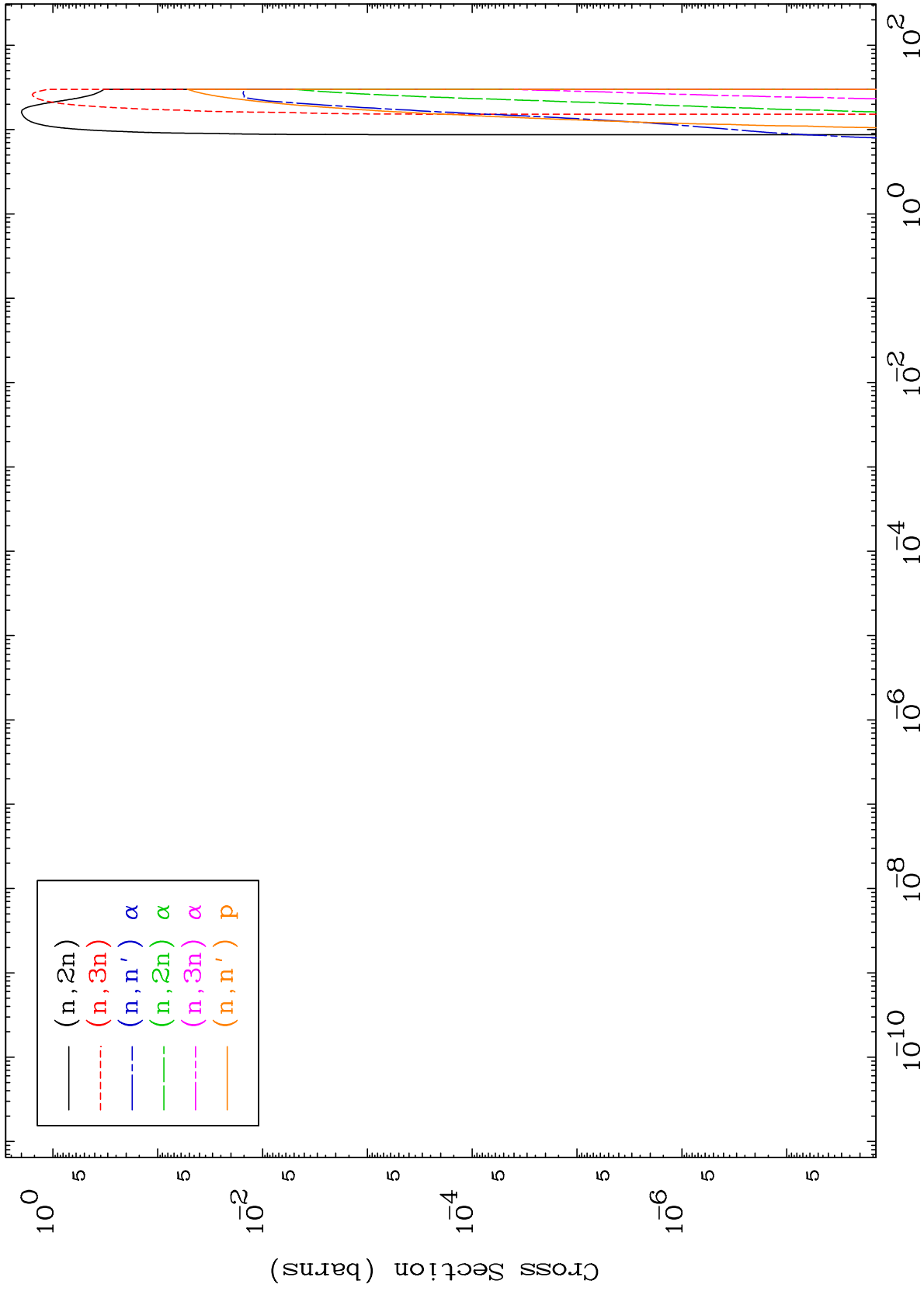
78-Pt-192



MAT 7831

Neutron Production  
293 Kelvin Cross Sections

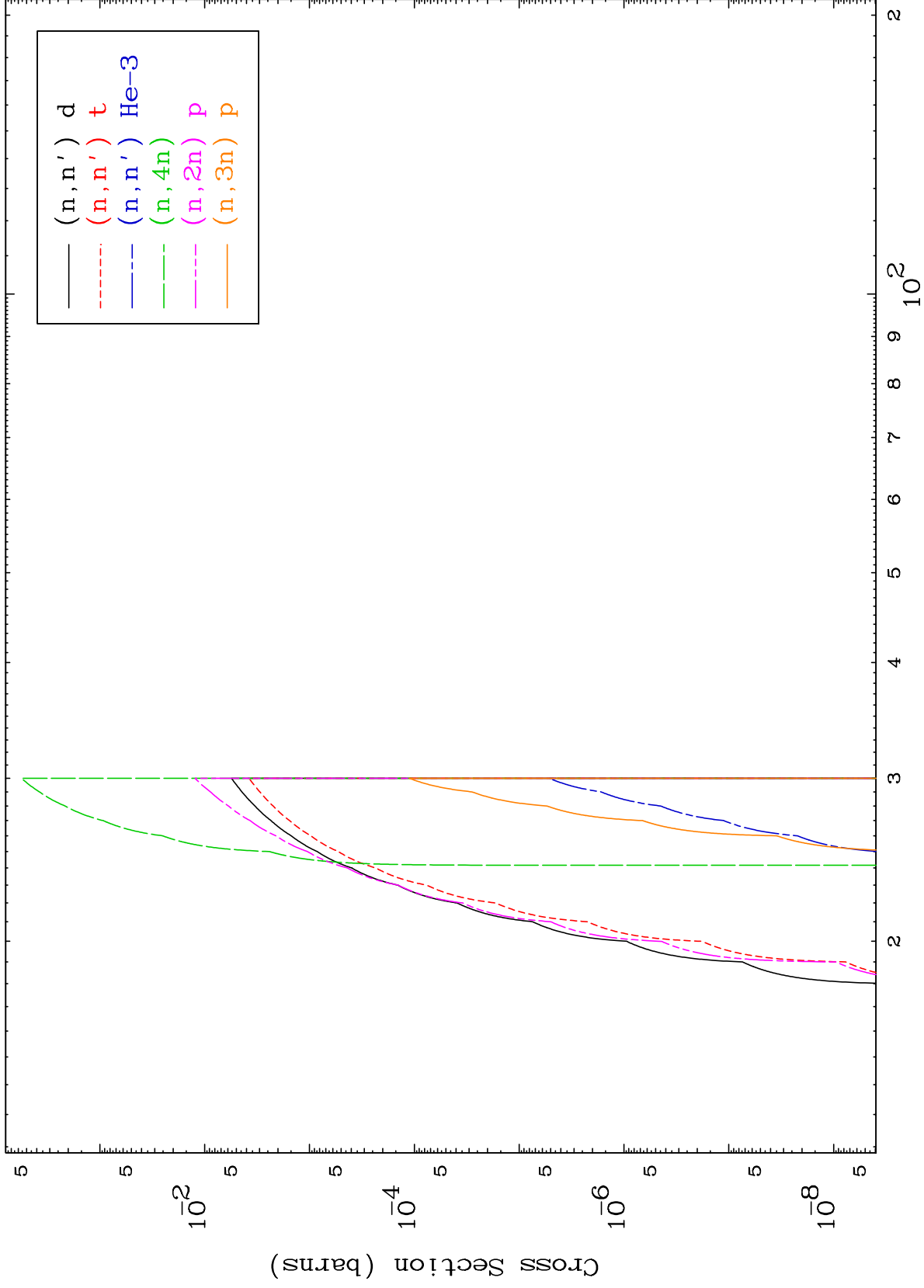
78-Pt-192



2

Incident Energy (MeV)

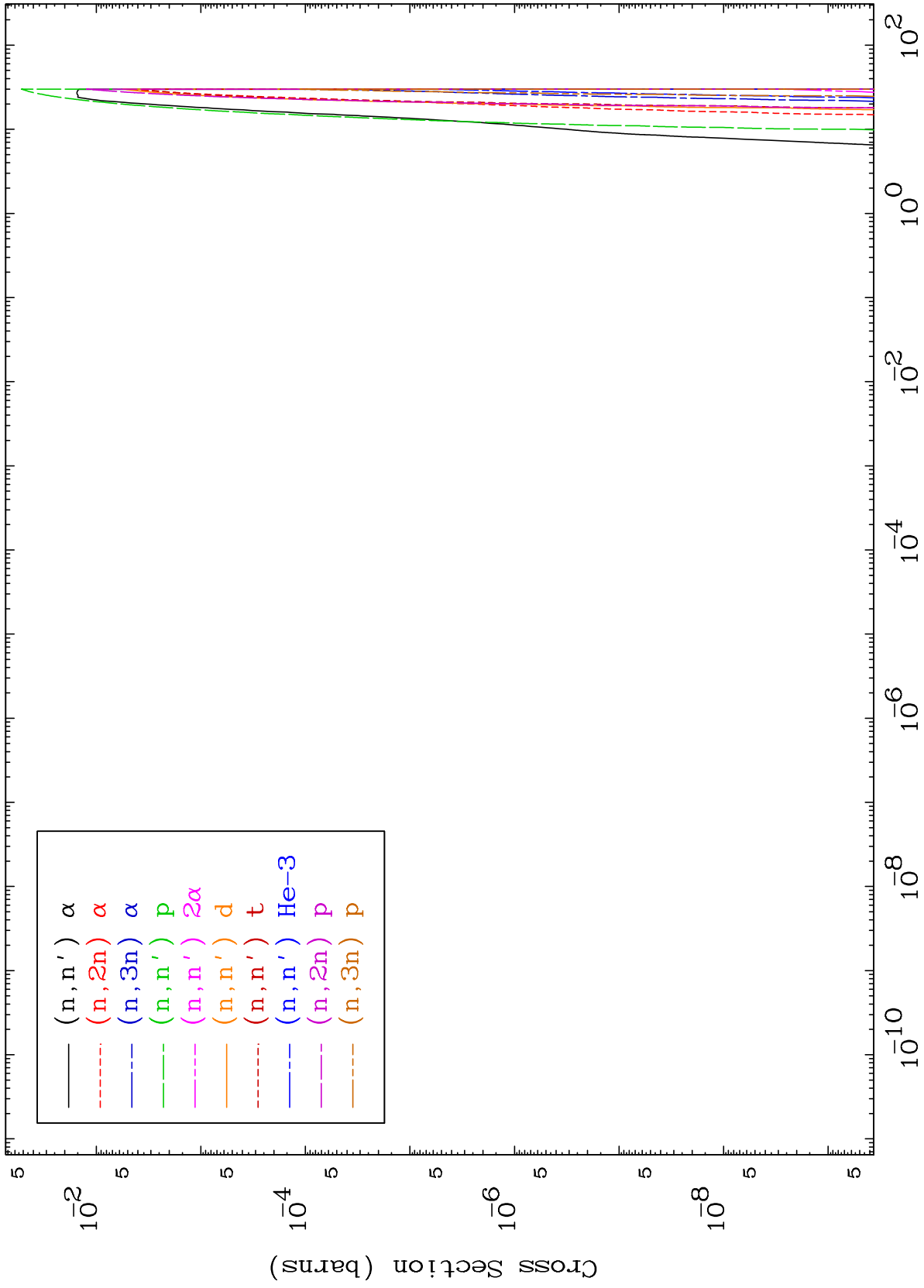
78-Pt-192



MAT 7831

293 Kelvin Cross Sections

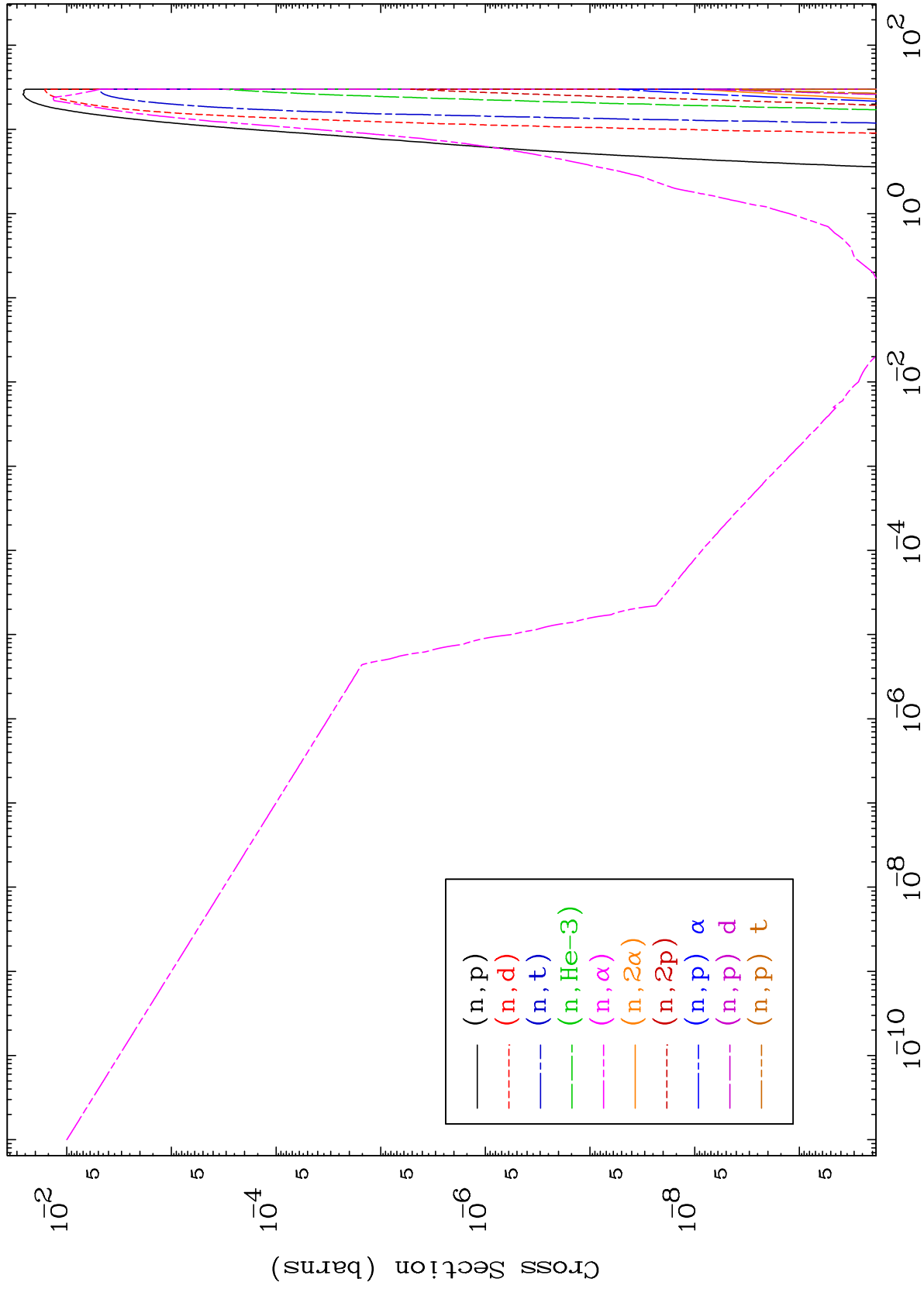
78-Pt-192



MAT 7831

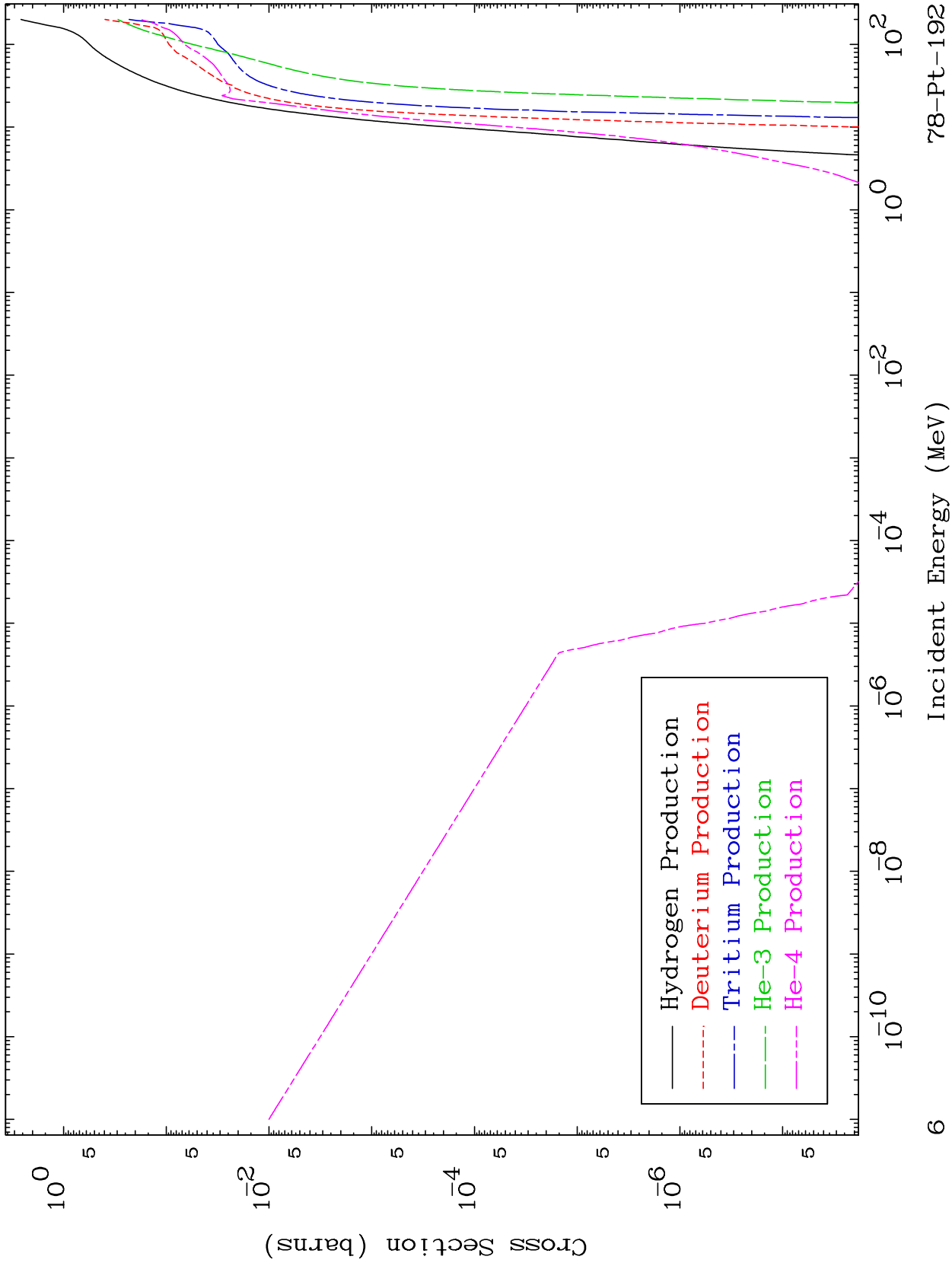
Charged Particle  
293 Kelvin Cross Sections

78-Pt-192



5

78-Pt-192

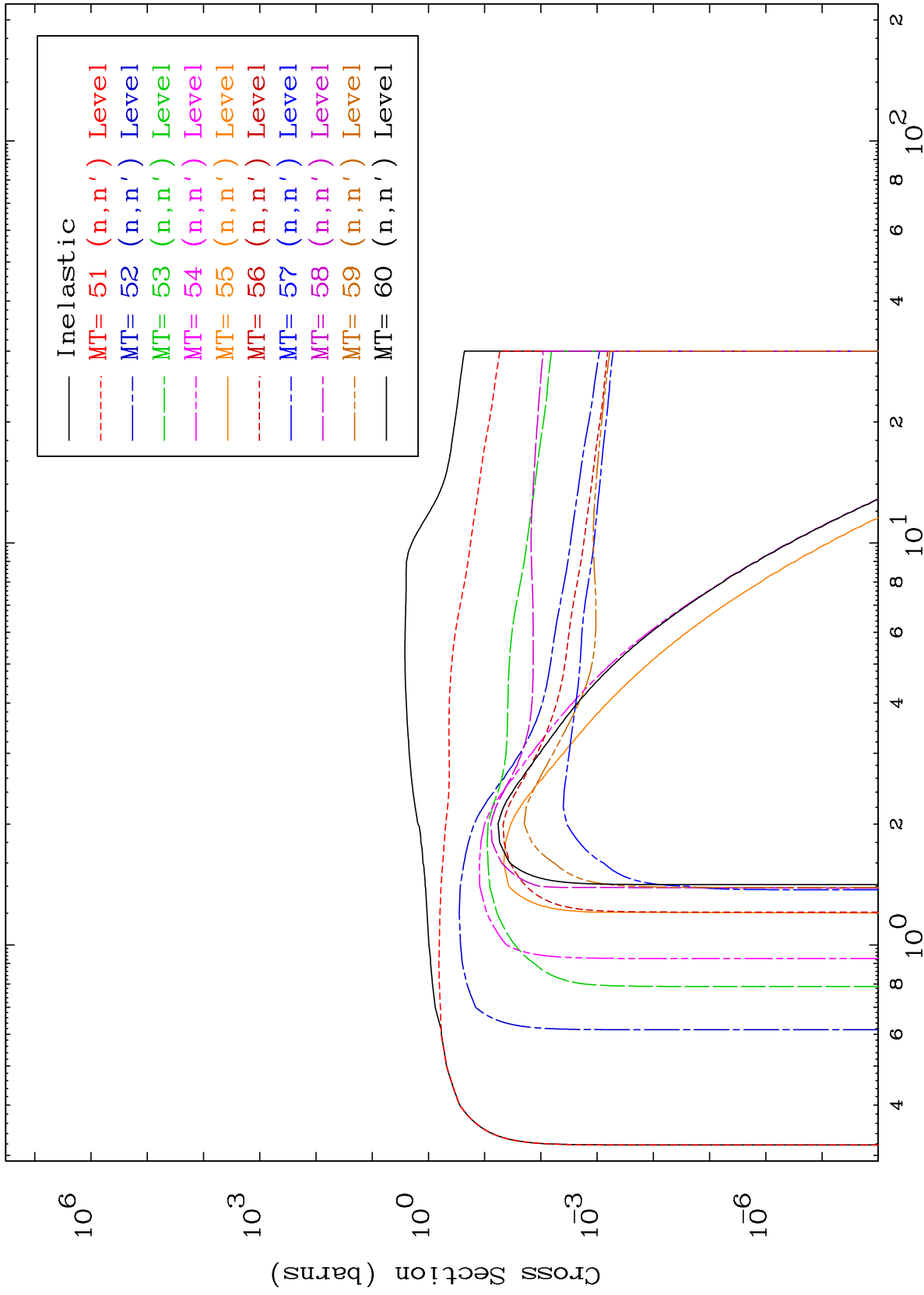


MAT 7831

(n,n') Level

293 Kelvin Cross Sections

78-Pt-192



7

Incident Energy (MeV)

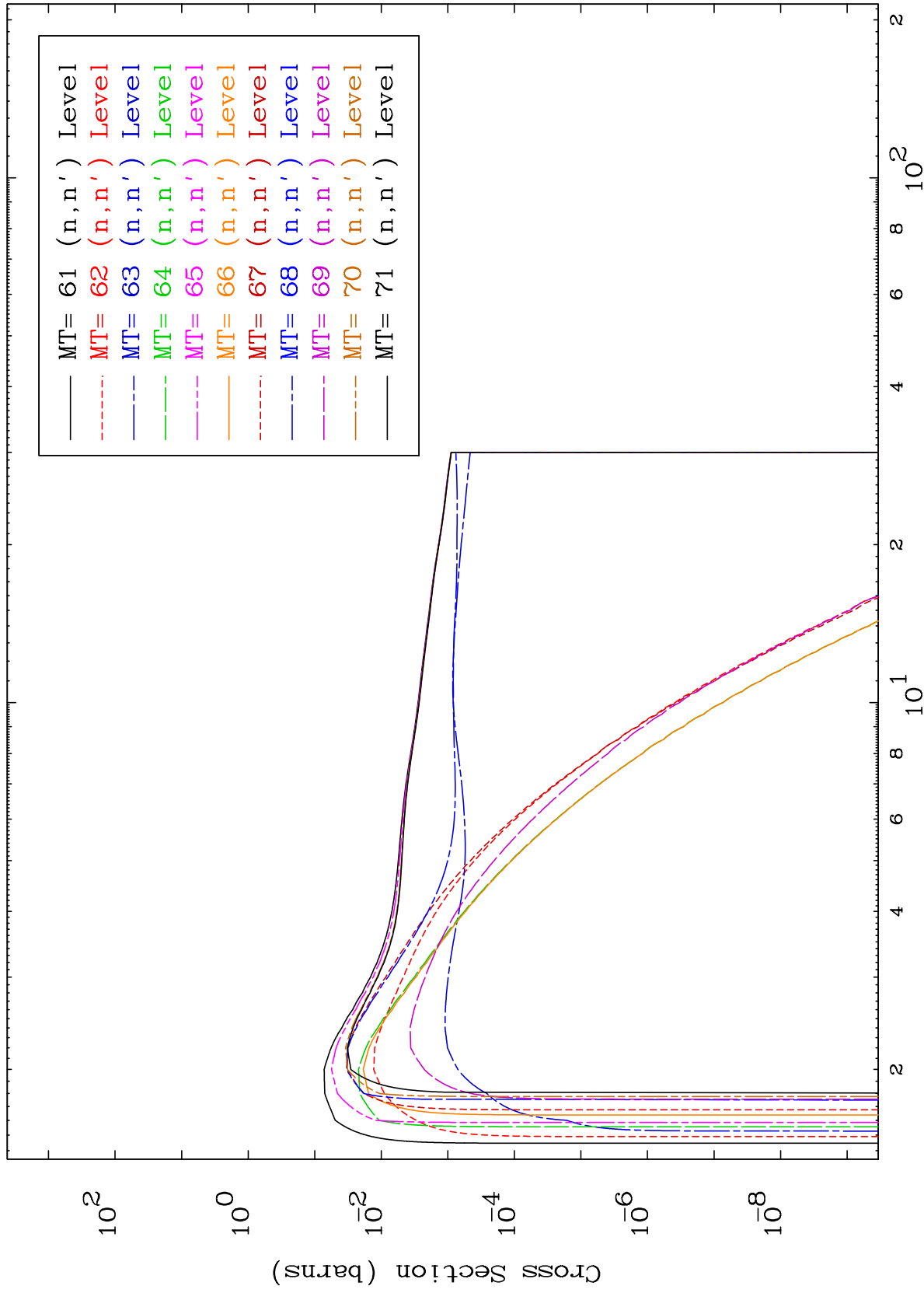
78-Pt-192

MAT 7831

(n,n') Level

78-Pt-192

293 Kelvin Cross Sections



8

Incident Energy (MeV)

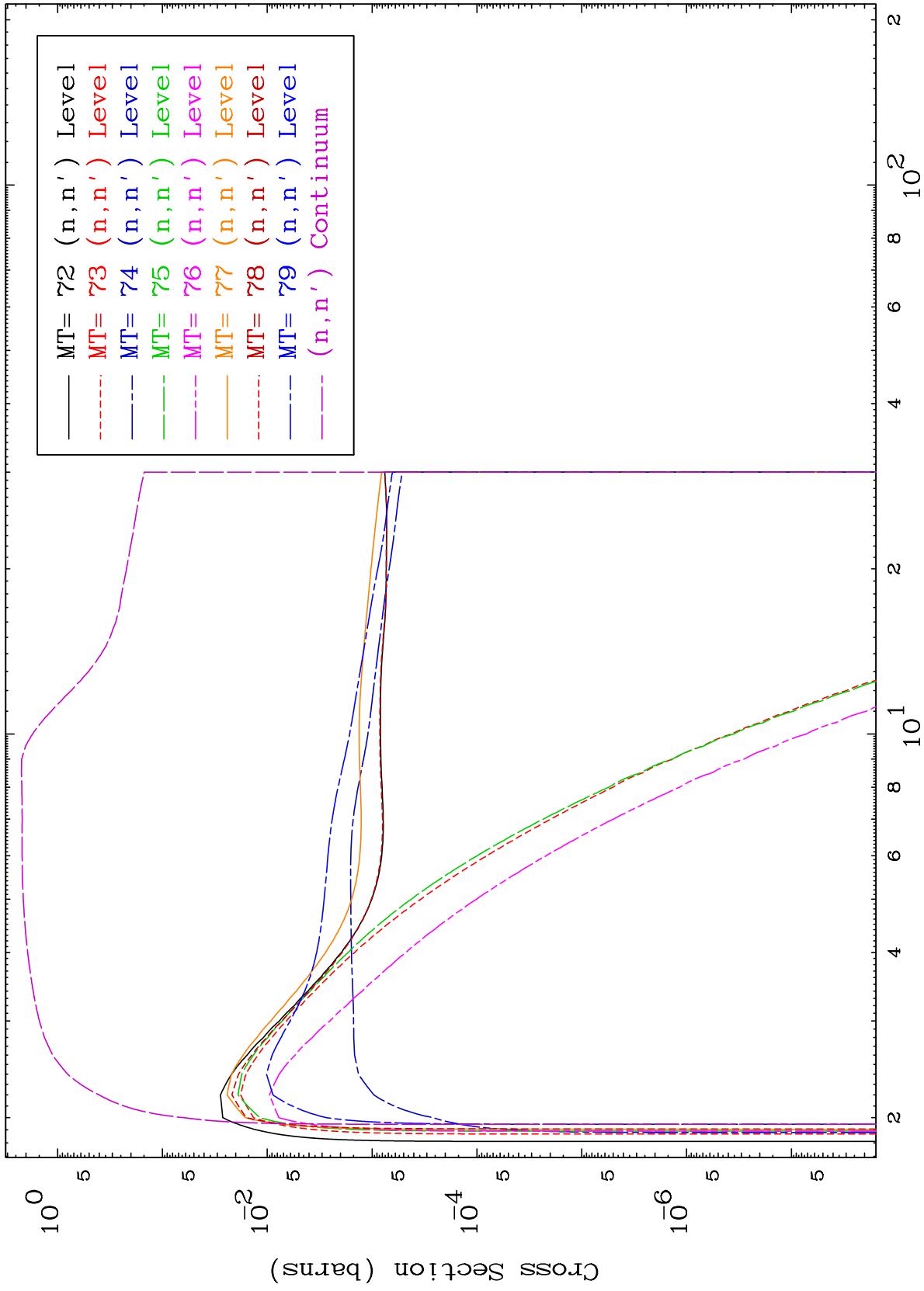
78-Pt-192

MAT 7831

(n,n') Level

78-Pt-192

293 Kelvin Cross Sections



9

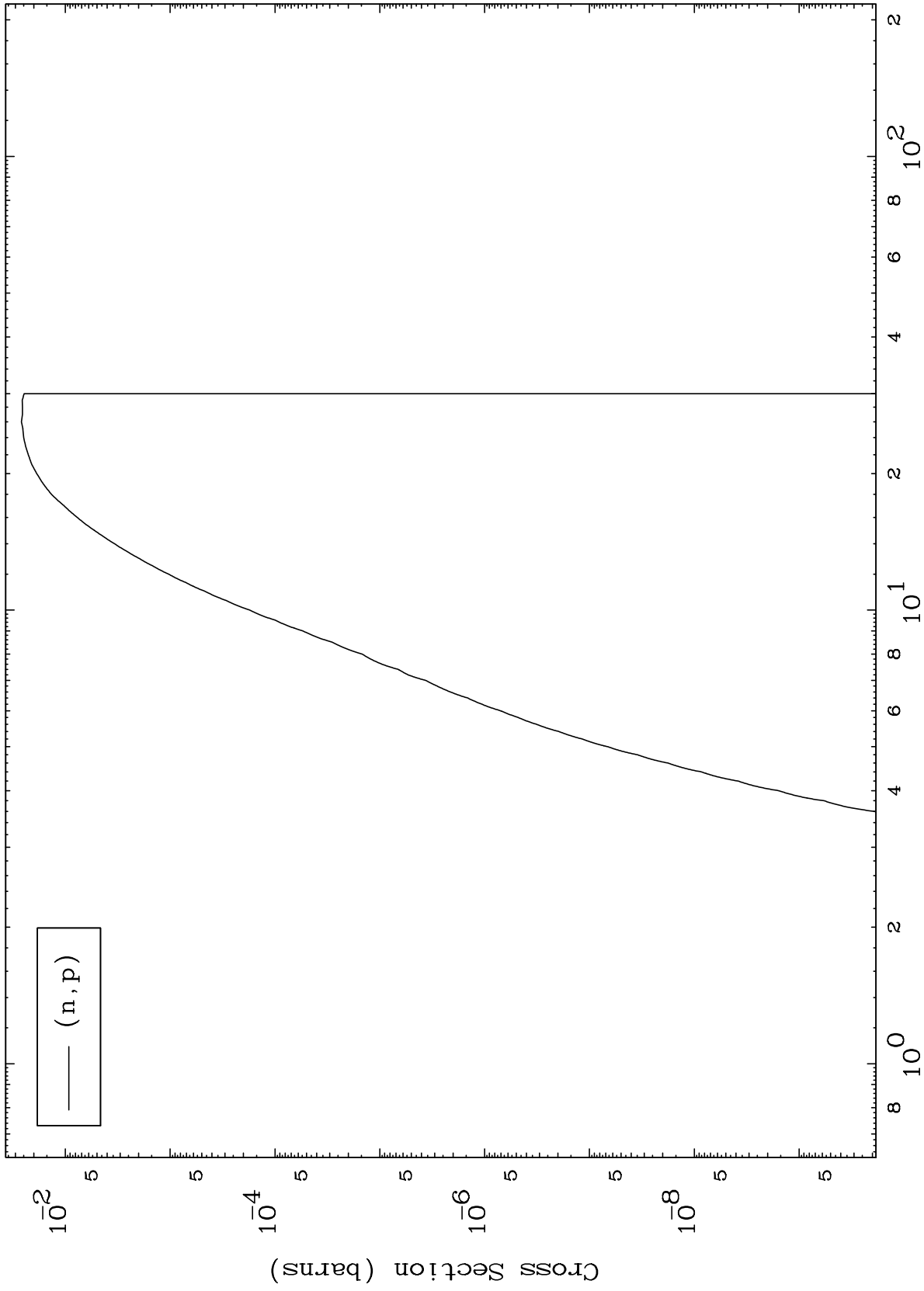
Incident Energy (MeV)

78-Pt-192

MAT 7831

(n,p) Levels  
293 Kelvin Cross Sections

78-Pt-192



10

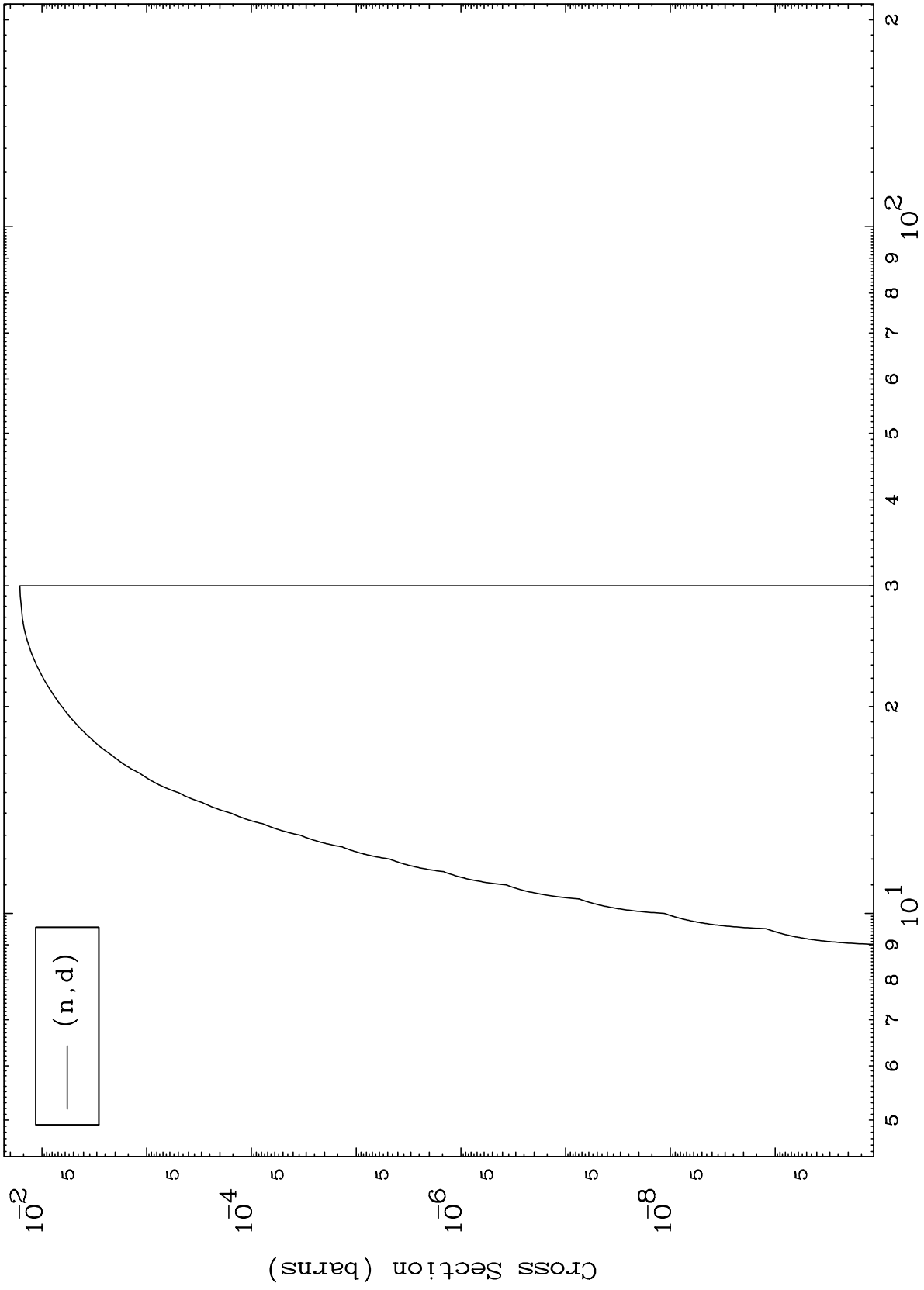
Incident Energy (MeV)

78-Pt-192

MAT 7831

(n,d) Levels  
293 Kelvin Cross Sections

78-Pt-192



11

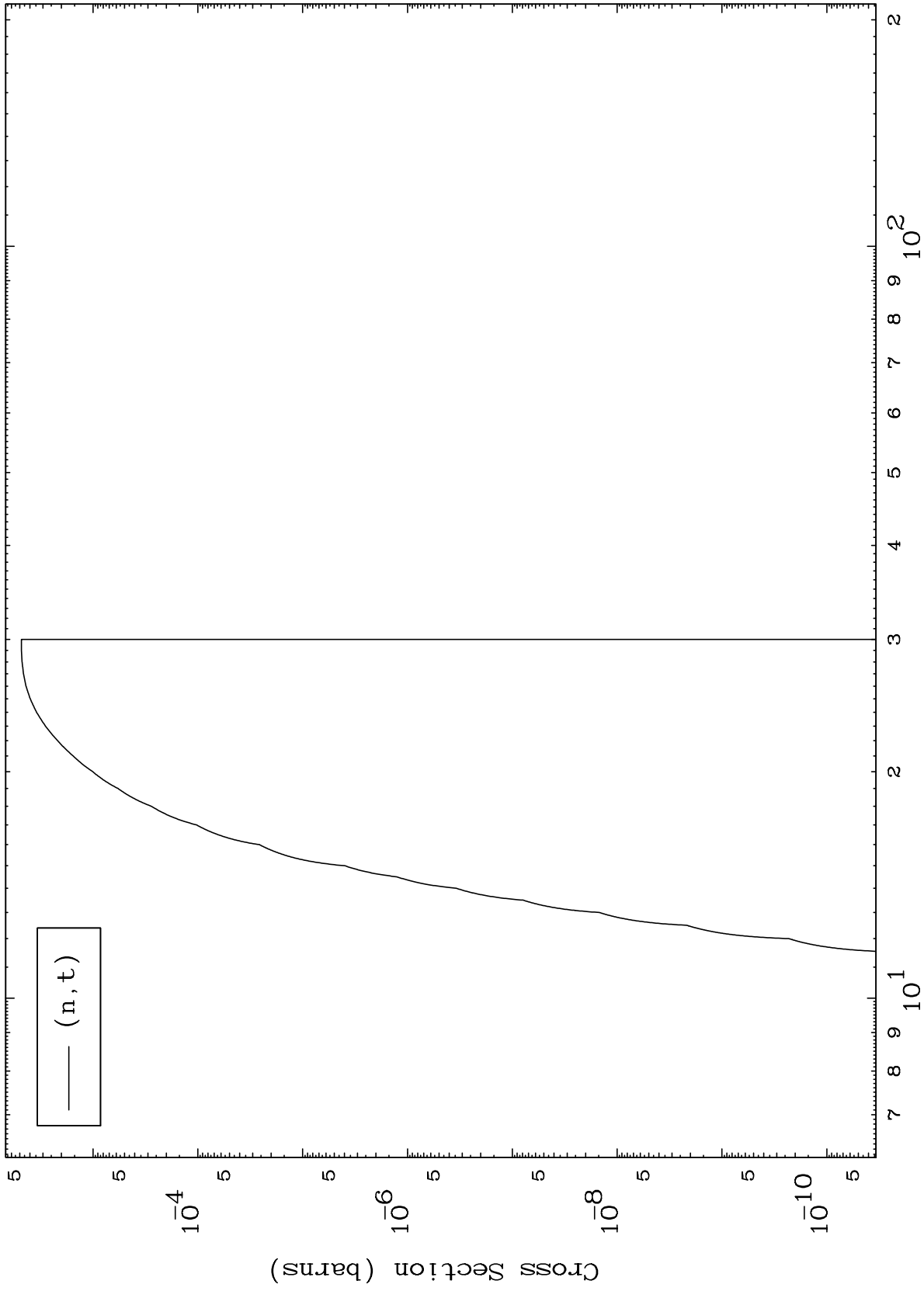
Incident Energy (MeV)

78-Pt-192

MAT 7831

(n,t) Levels  
293 Kelvin Cross Sections

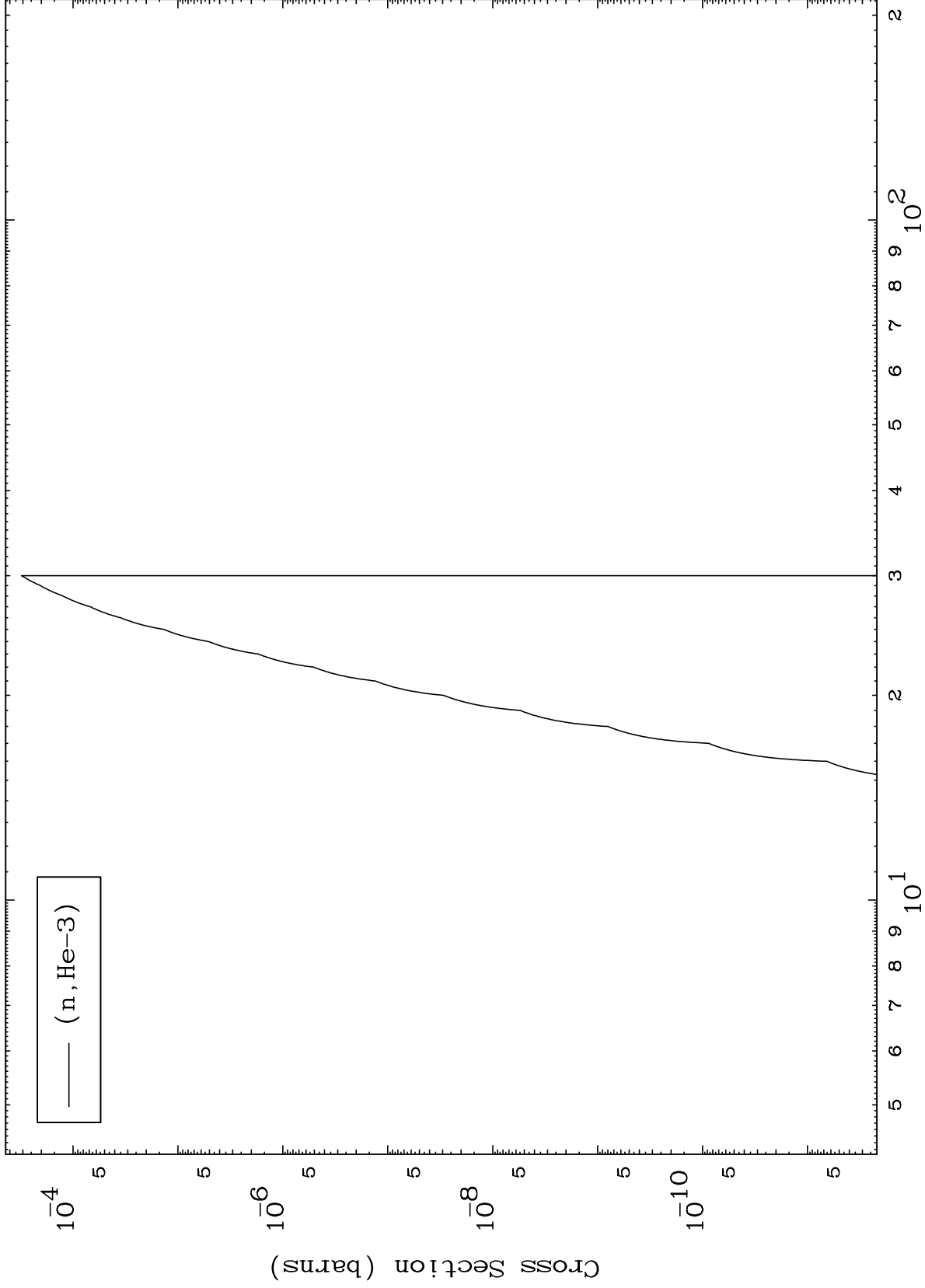
78-Pt-192



12

Incident Energy (MeV)

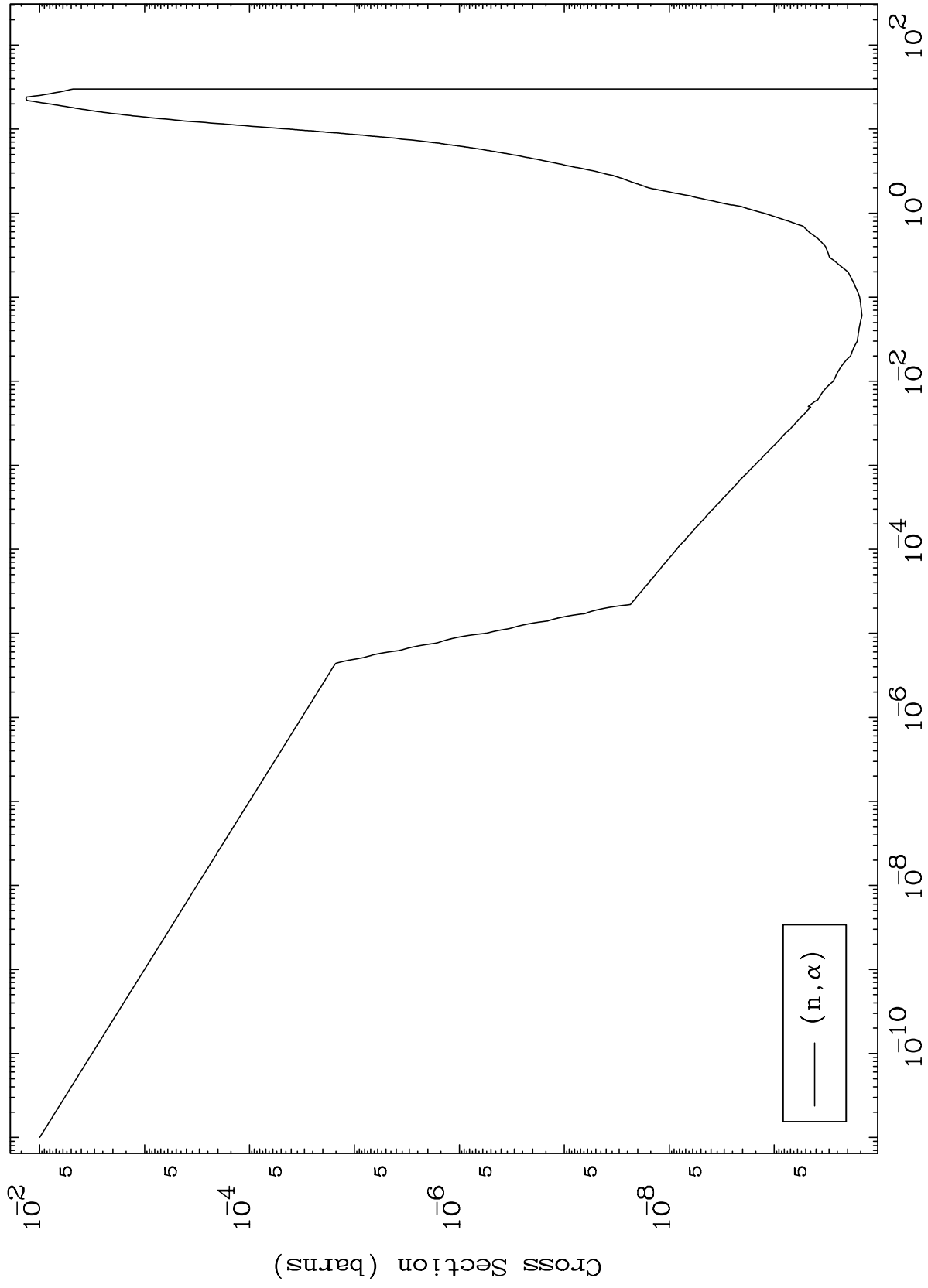
78-Pt-192

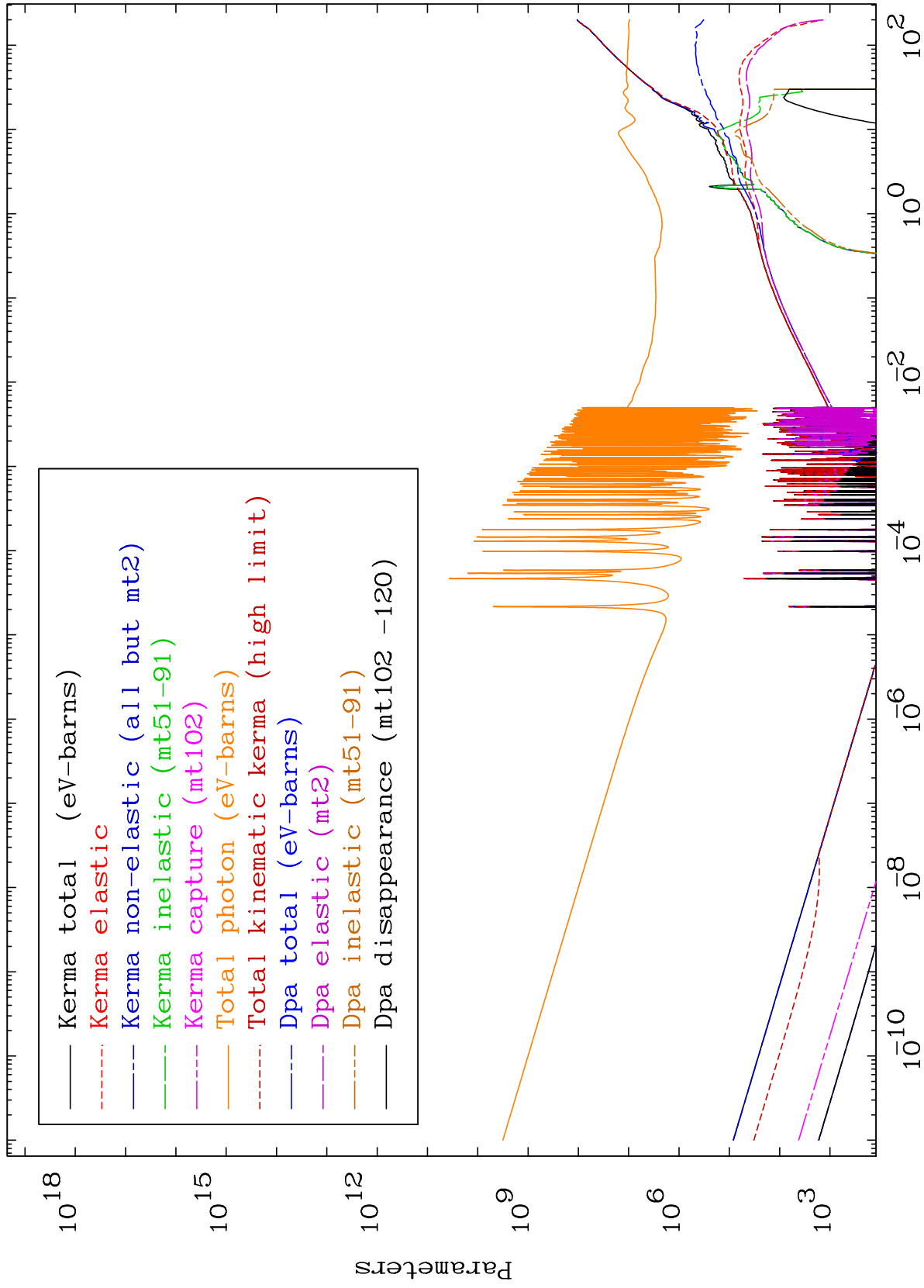


MAT 7831

(n,α) Levels  
293 Kelvin Cross Sections

78-Pt-192

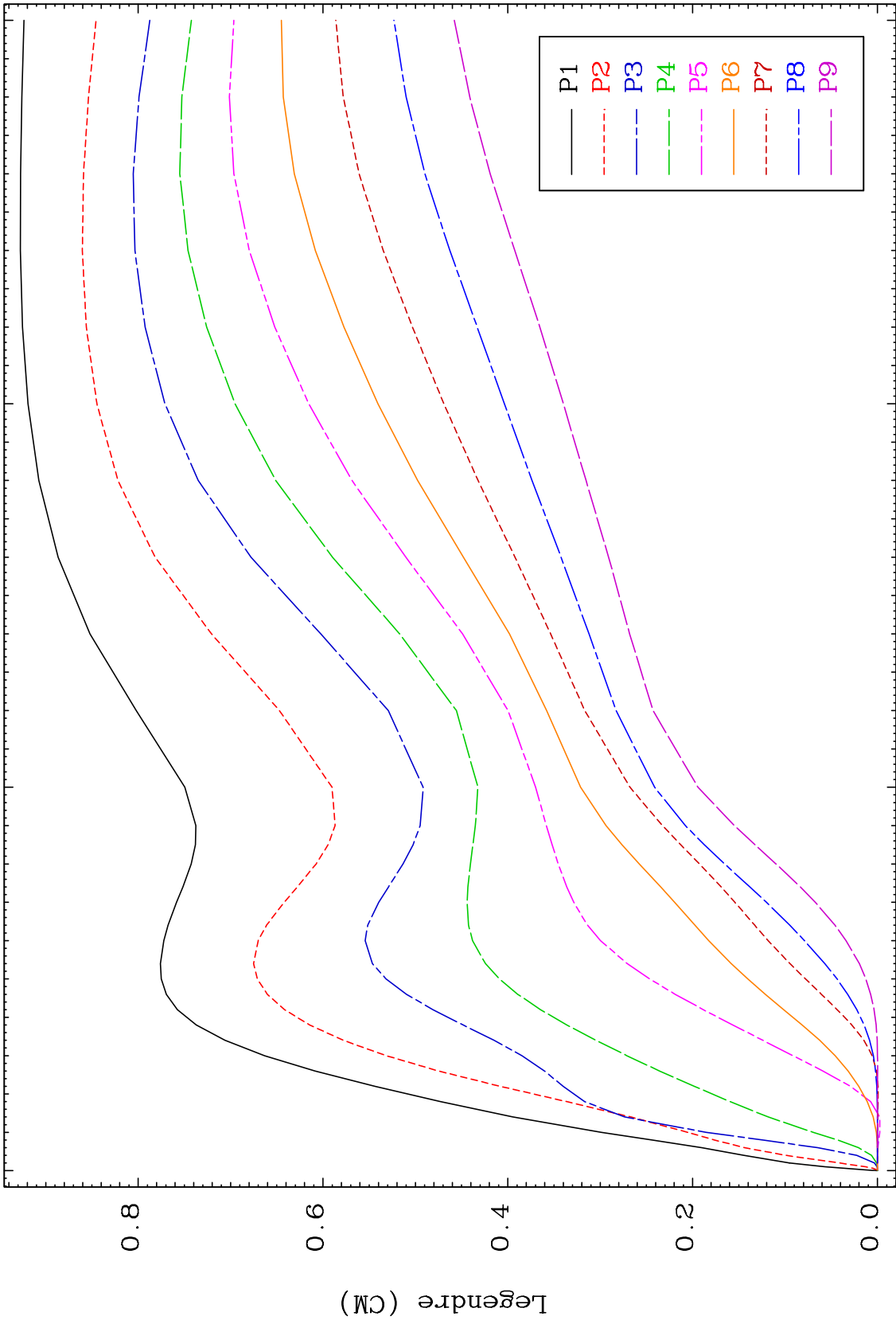




MAT 7831

Elastic Legendre Coefficients

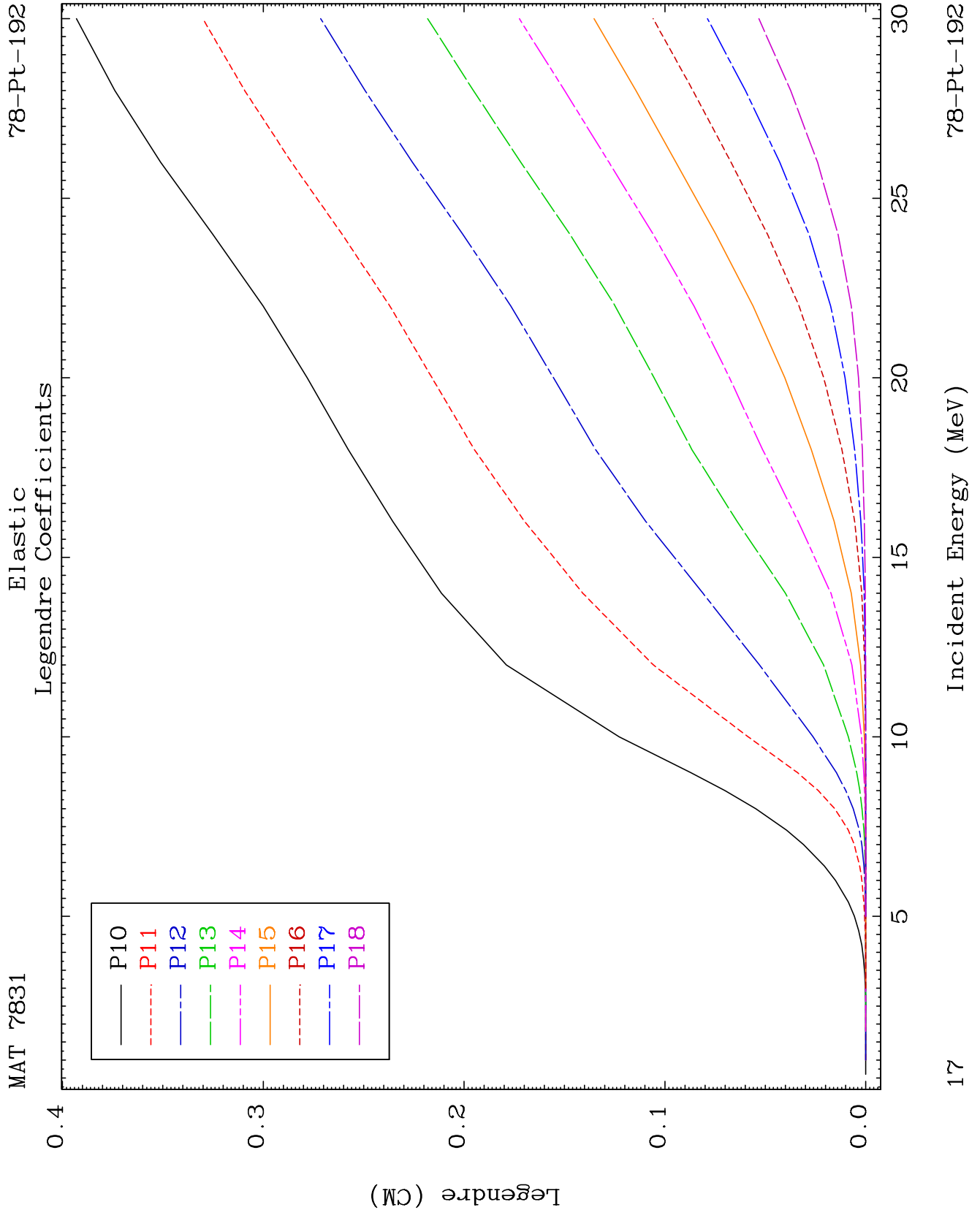
78-Pt-192



16

Incident Energy (MeV)

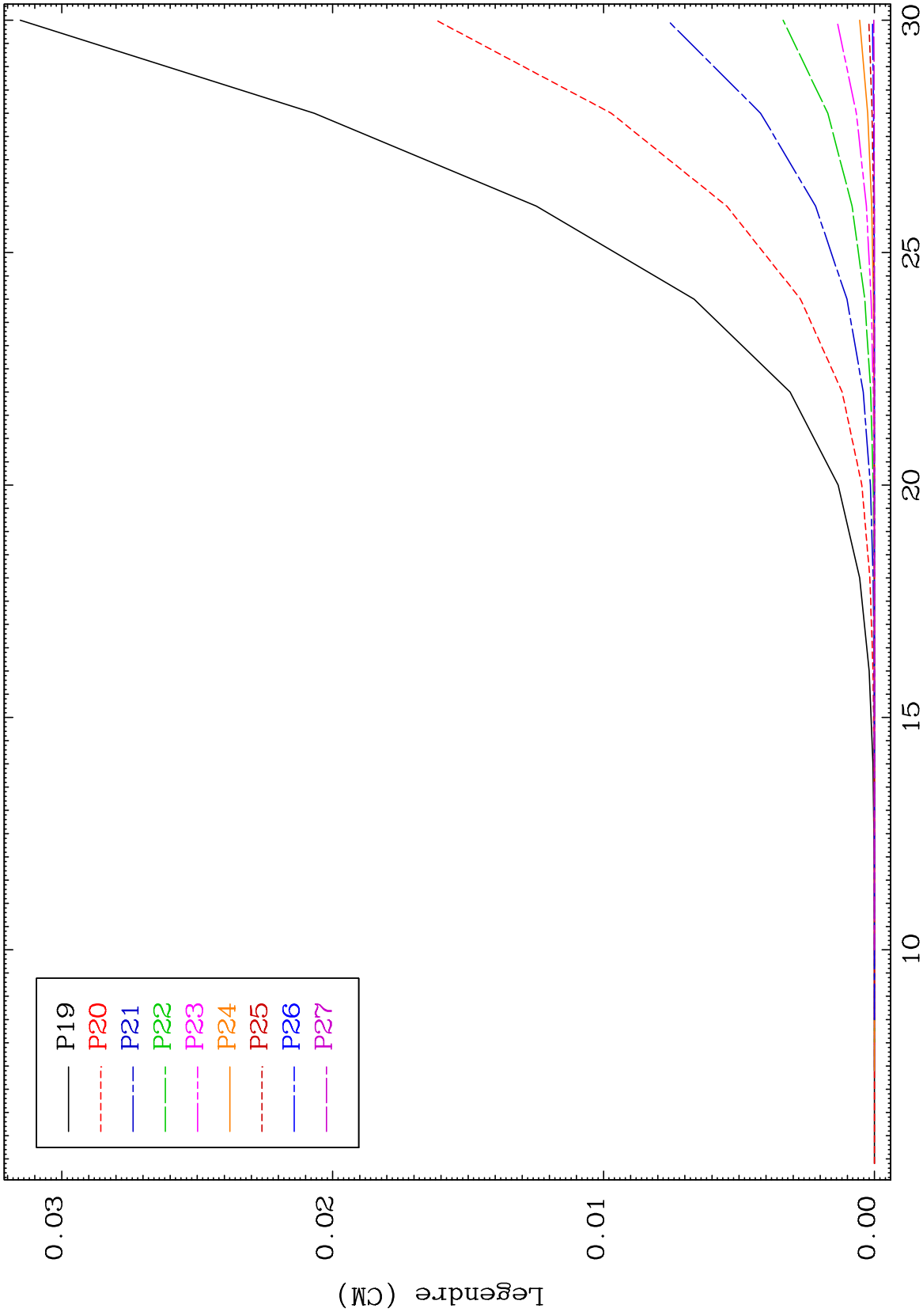
78-Pt-192



MAT 7831

### Elastic Legendre Coefficients

78-Pt-192



18

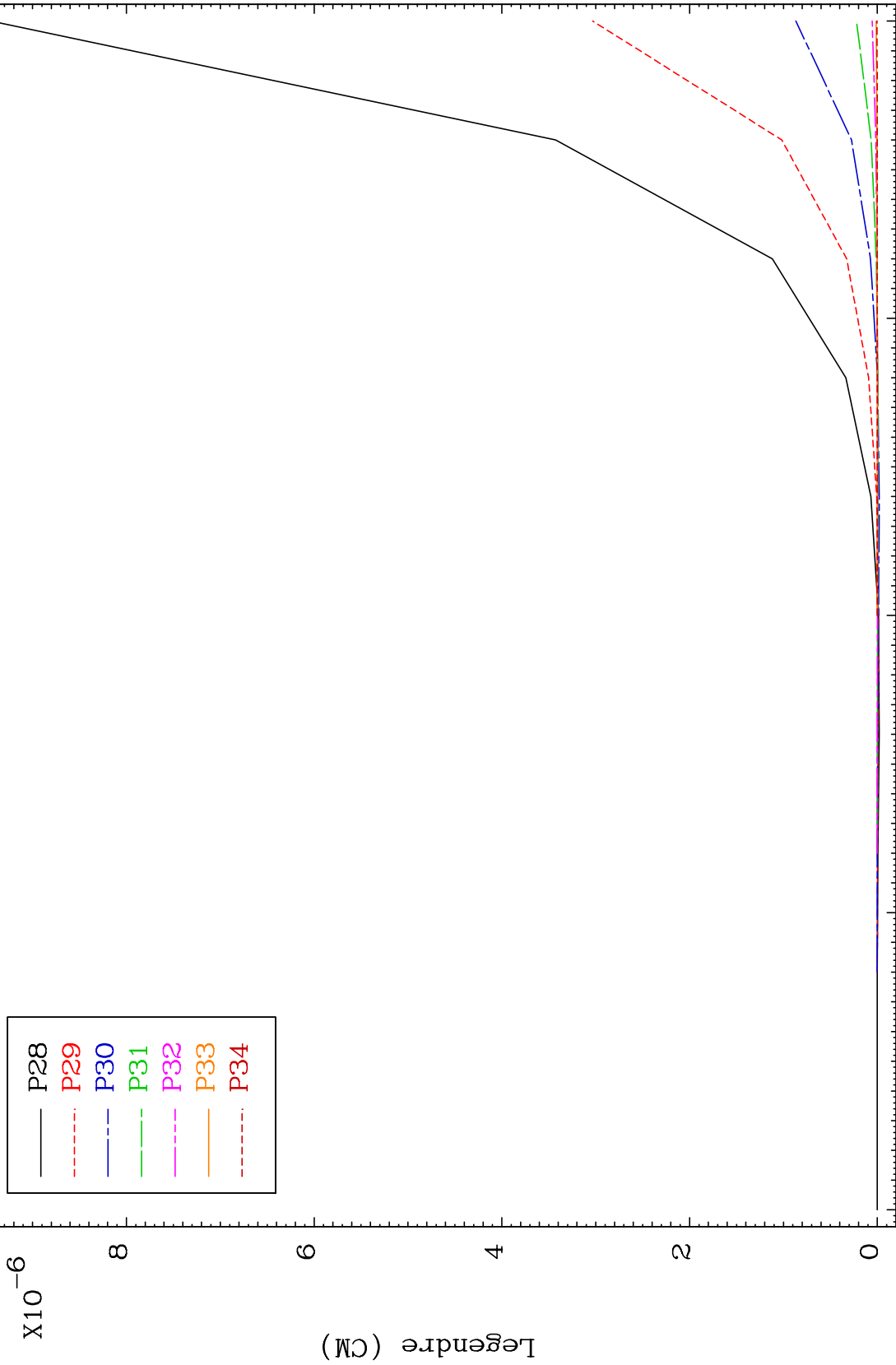
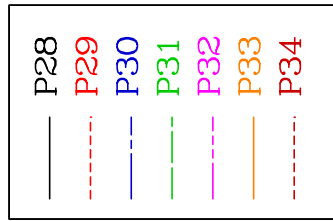
Incident Energy (MeV)

78-Pt-192

MAT 7831

Elastic Legendre Coefficients

78-Pt-192



19

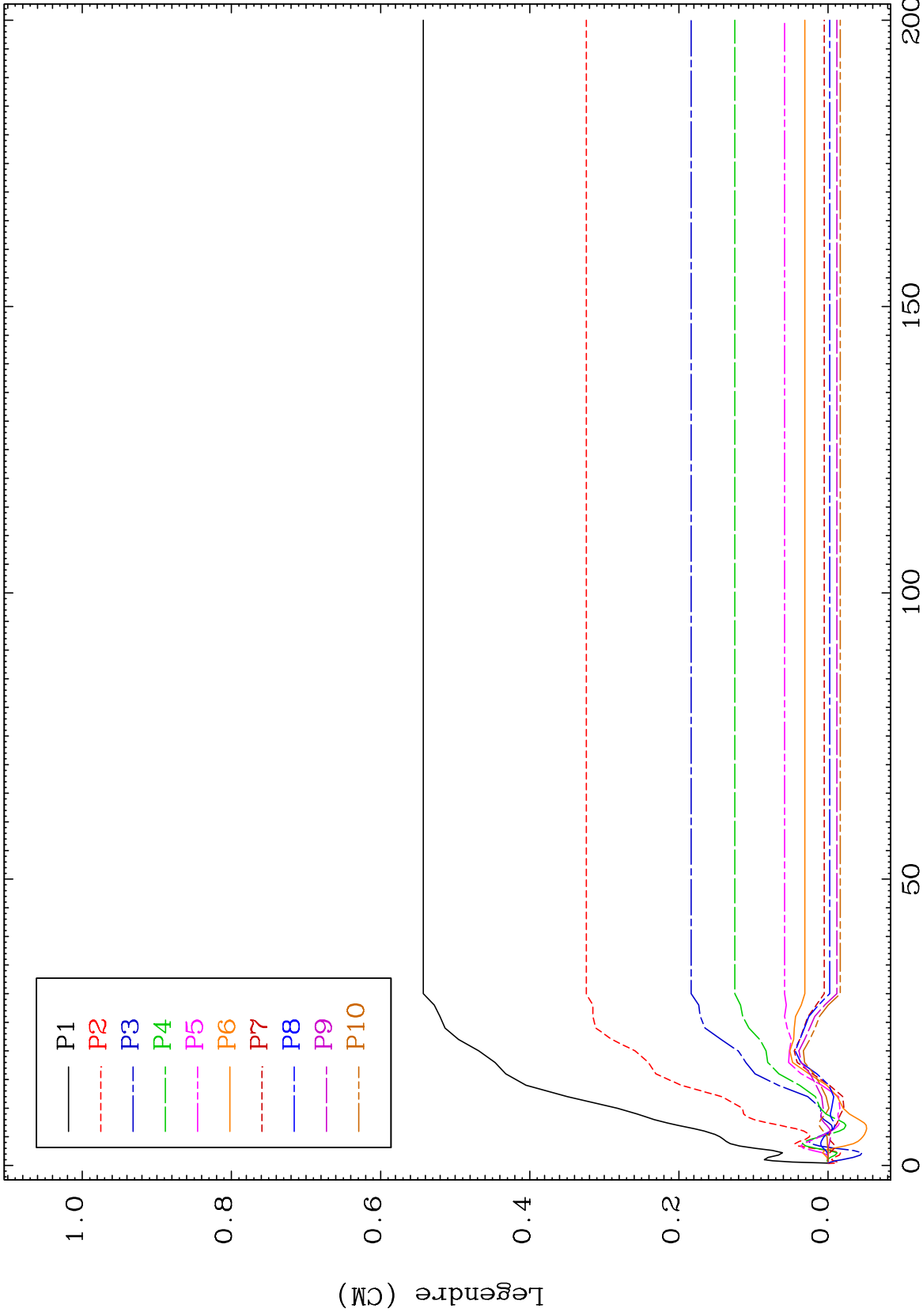
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



0

50

100

150

200

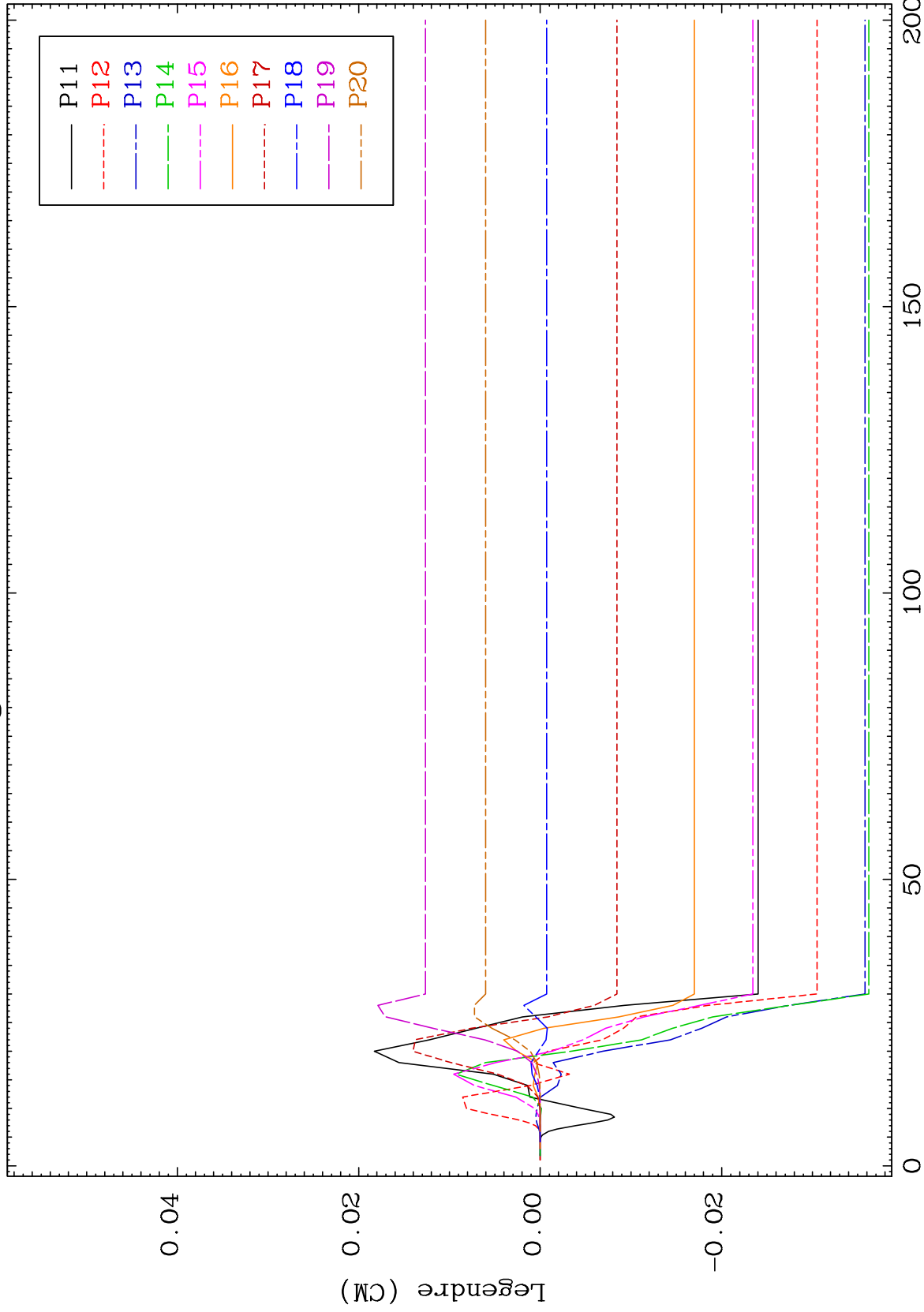
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



21

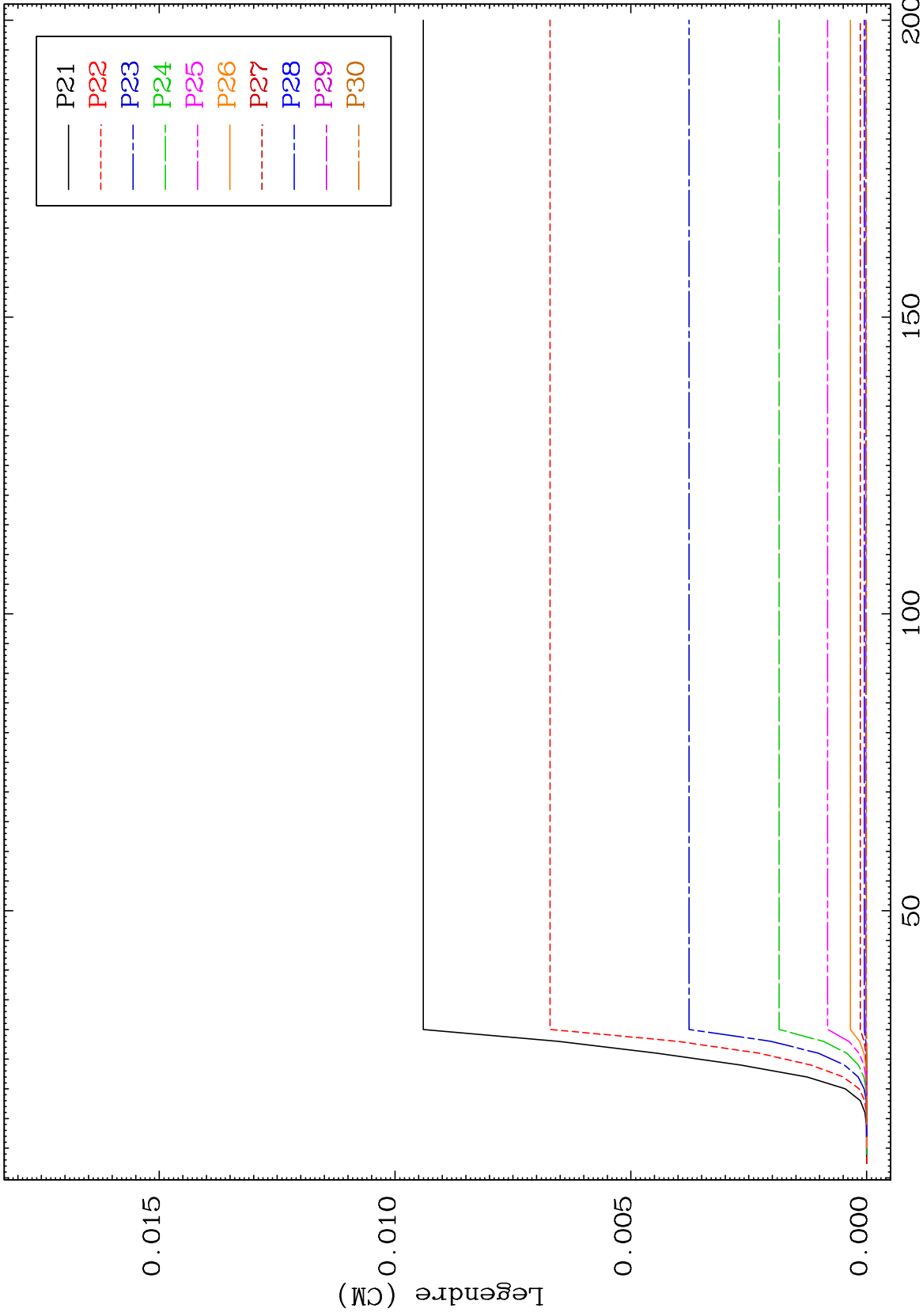
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



22

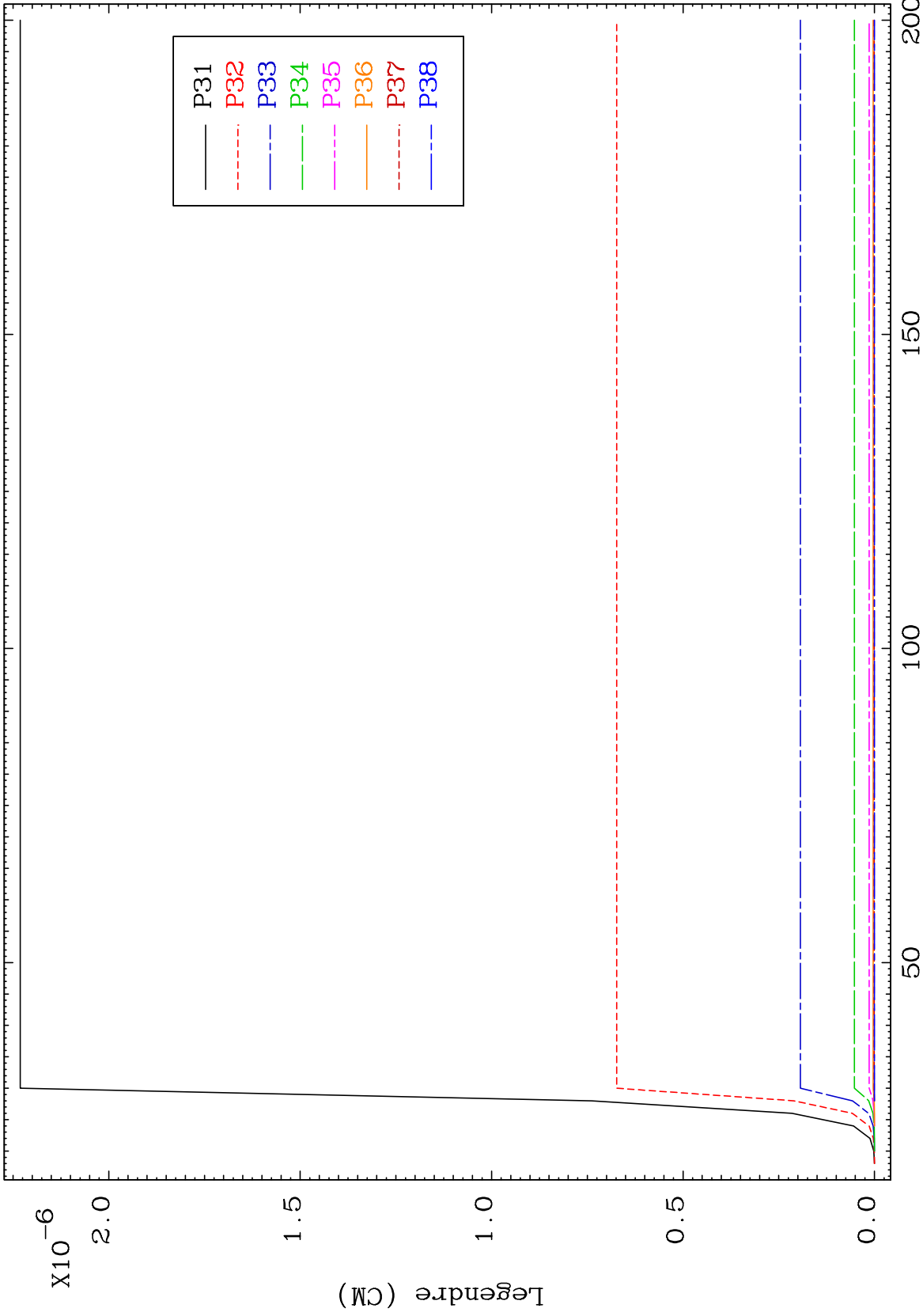
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



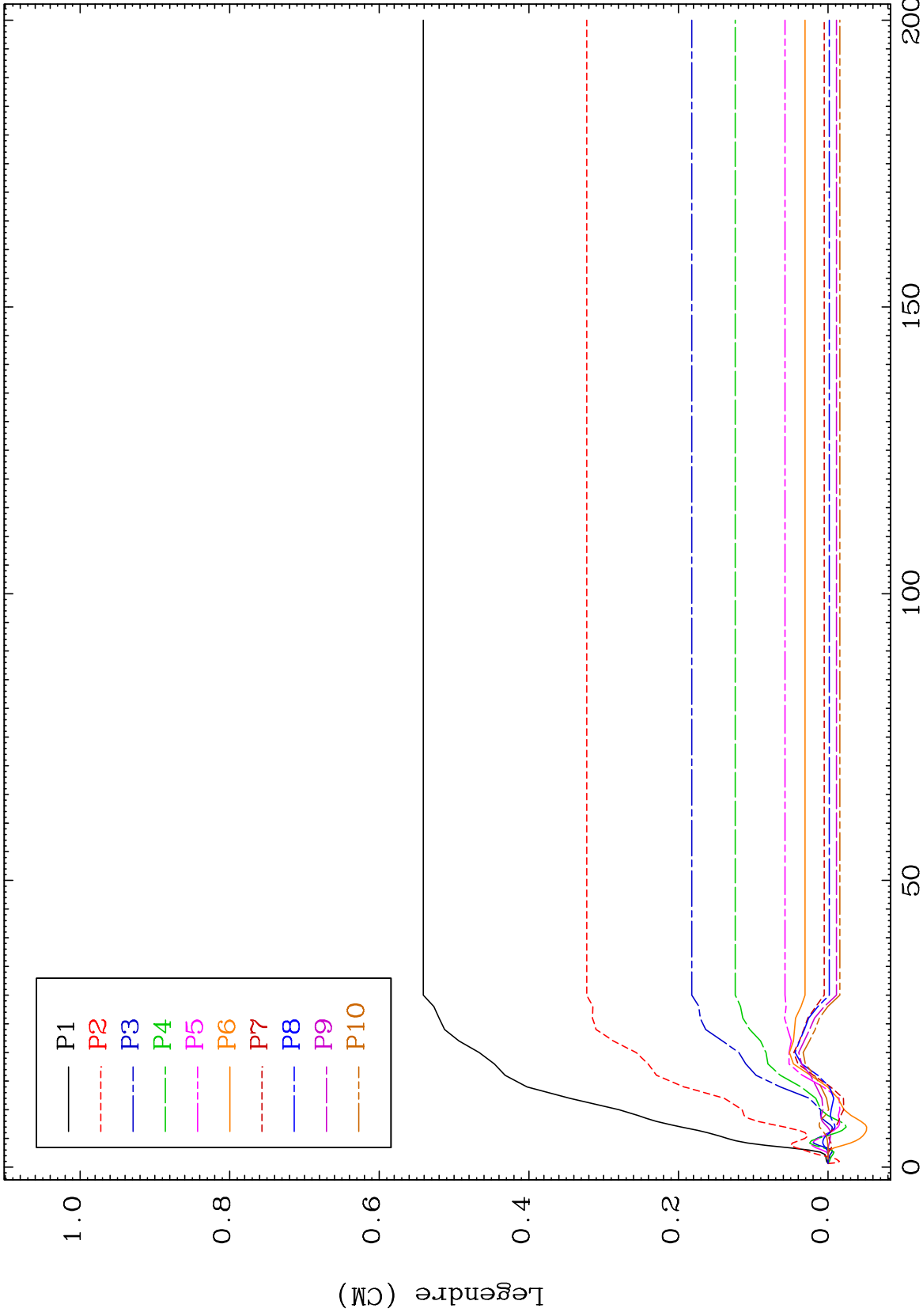
23

78-Pt-192

MAT 7831

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

78-Pt-192



24

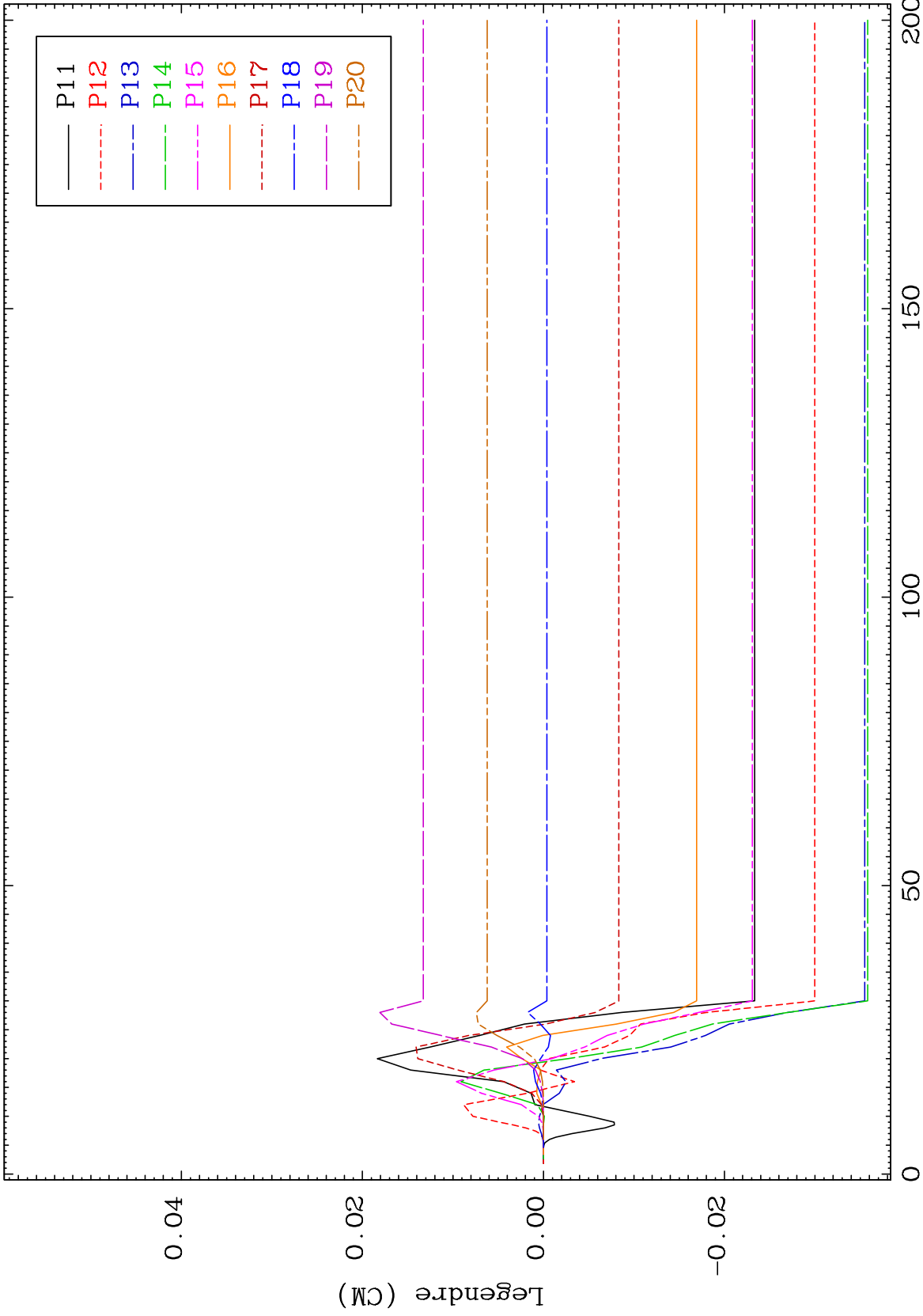
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



25

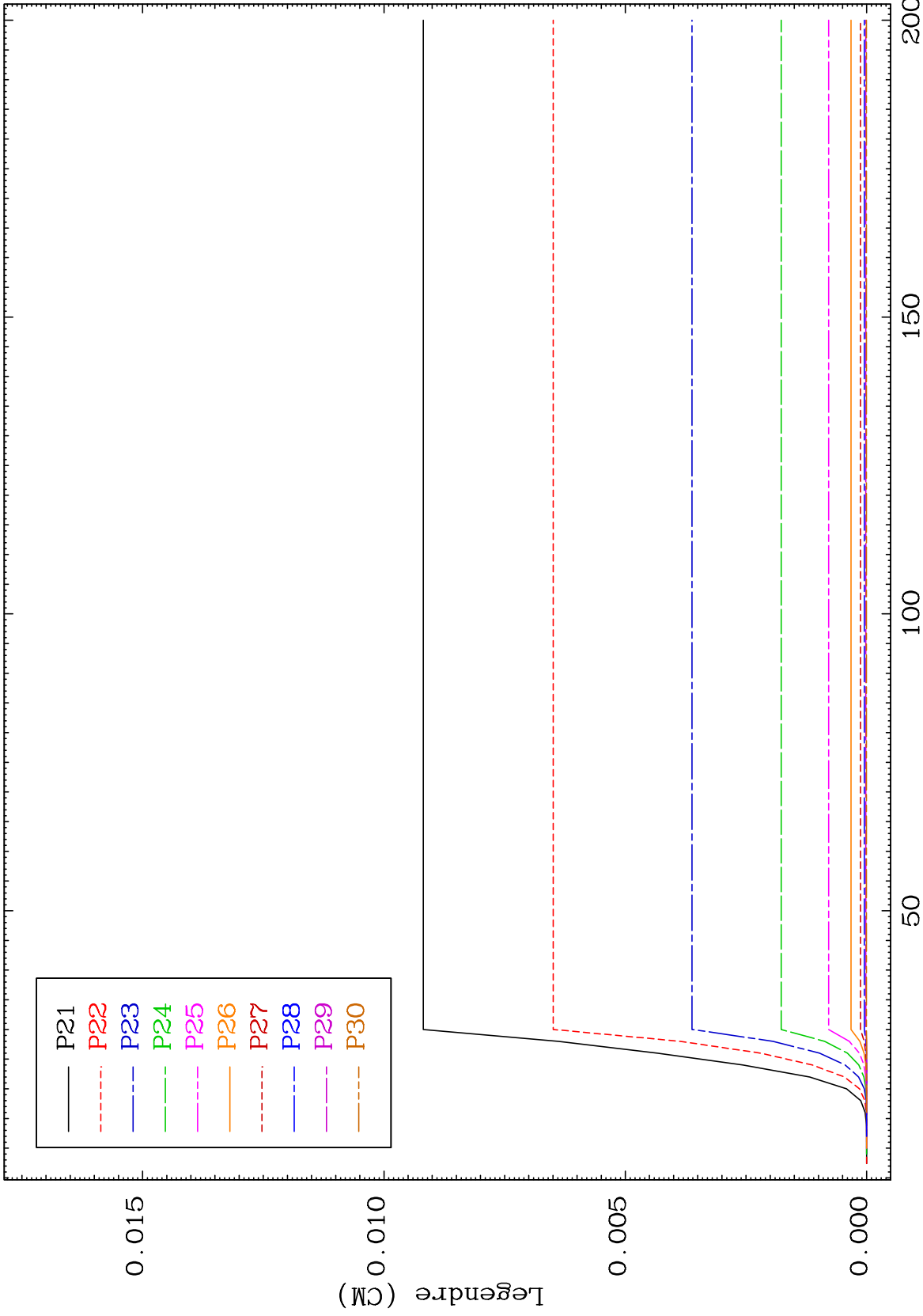
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



26

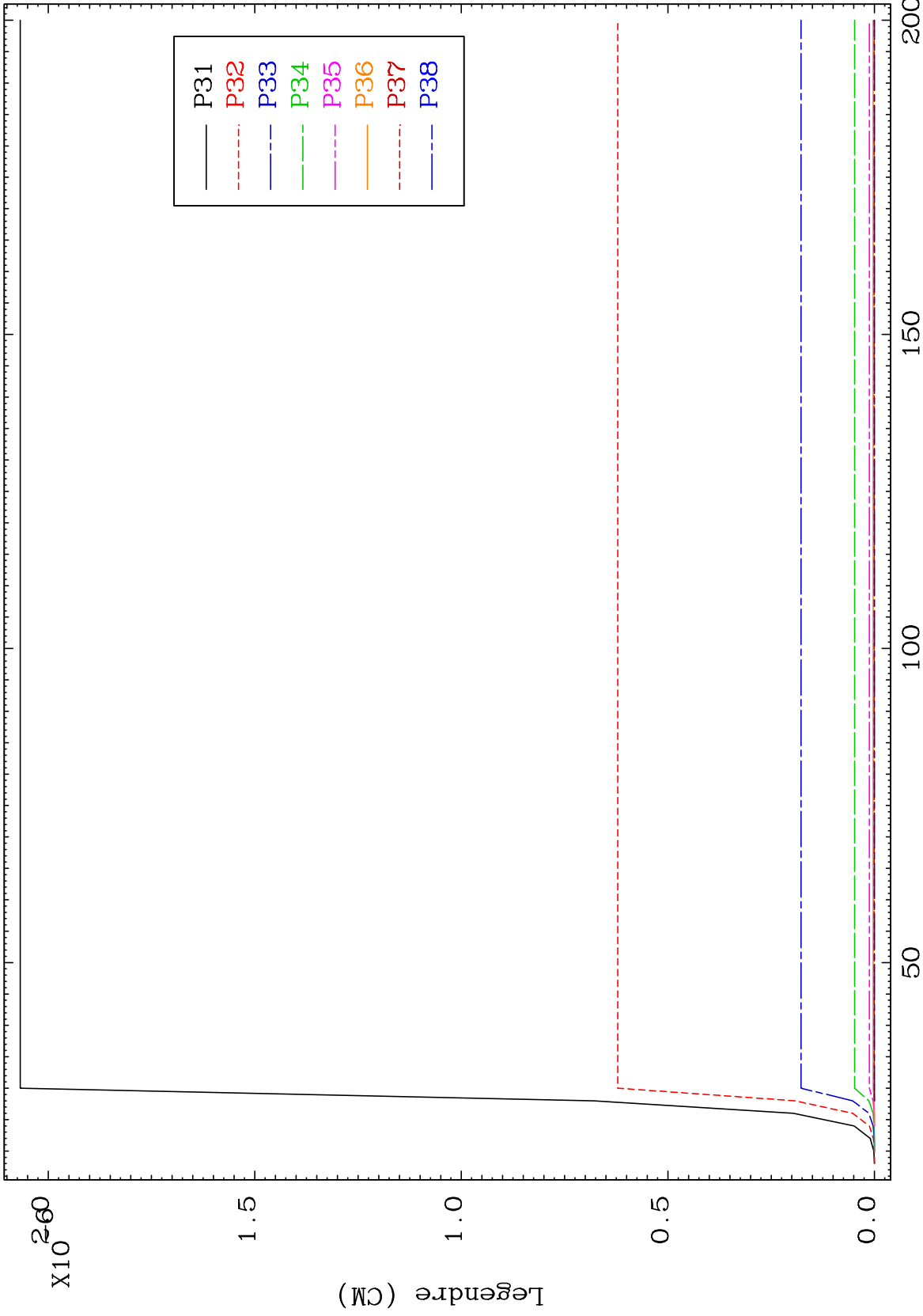
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



27

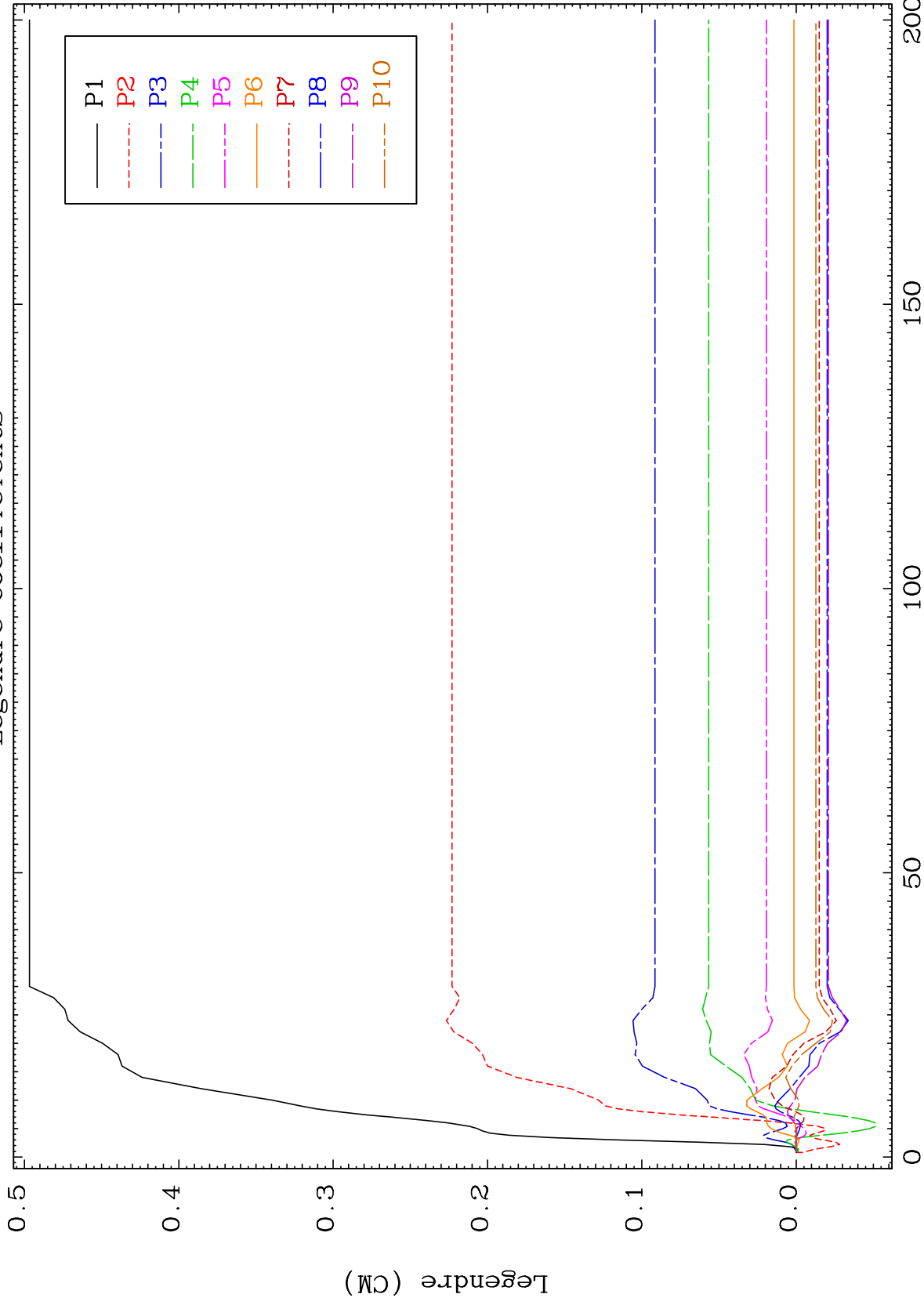
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



28

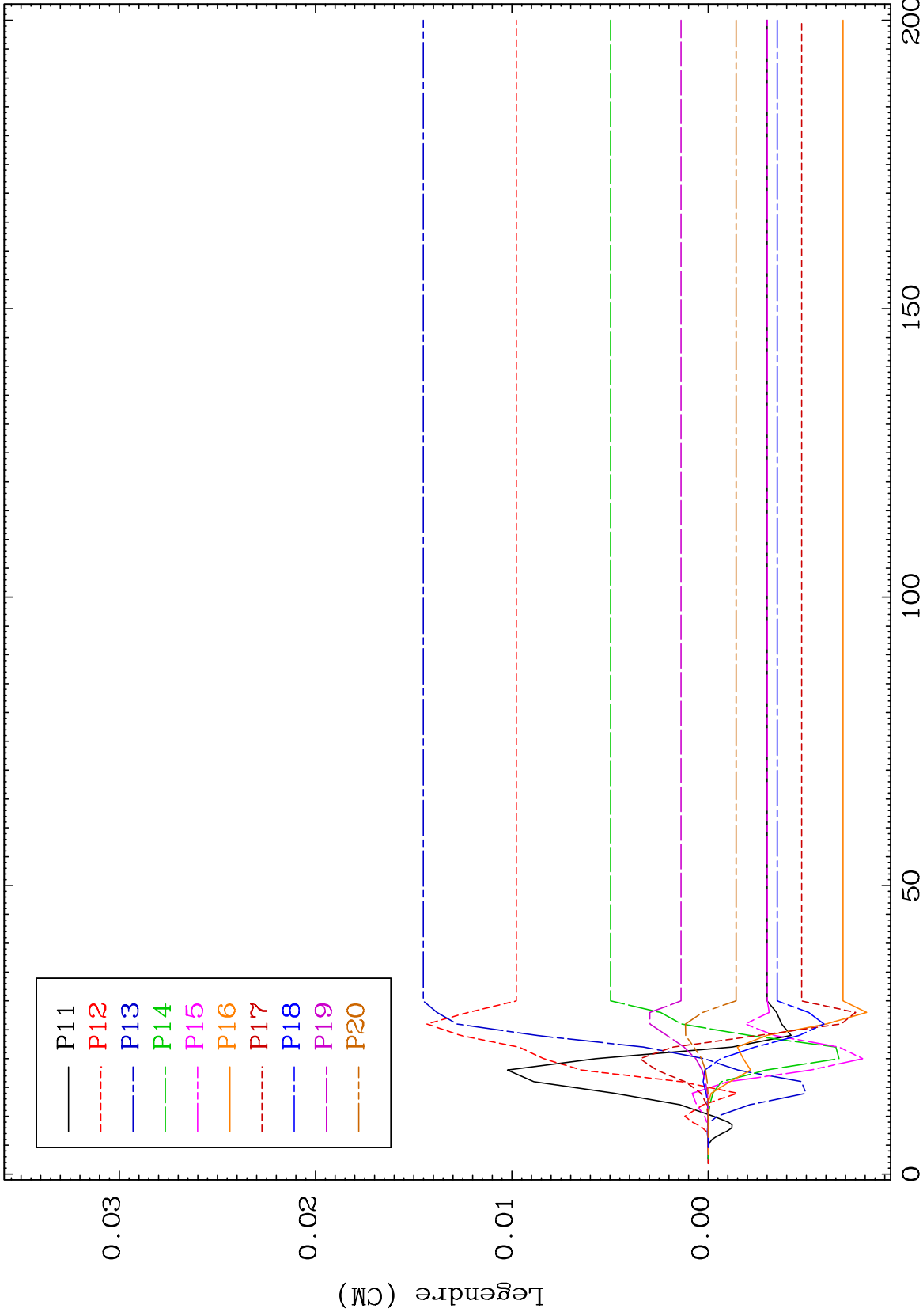
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



29

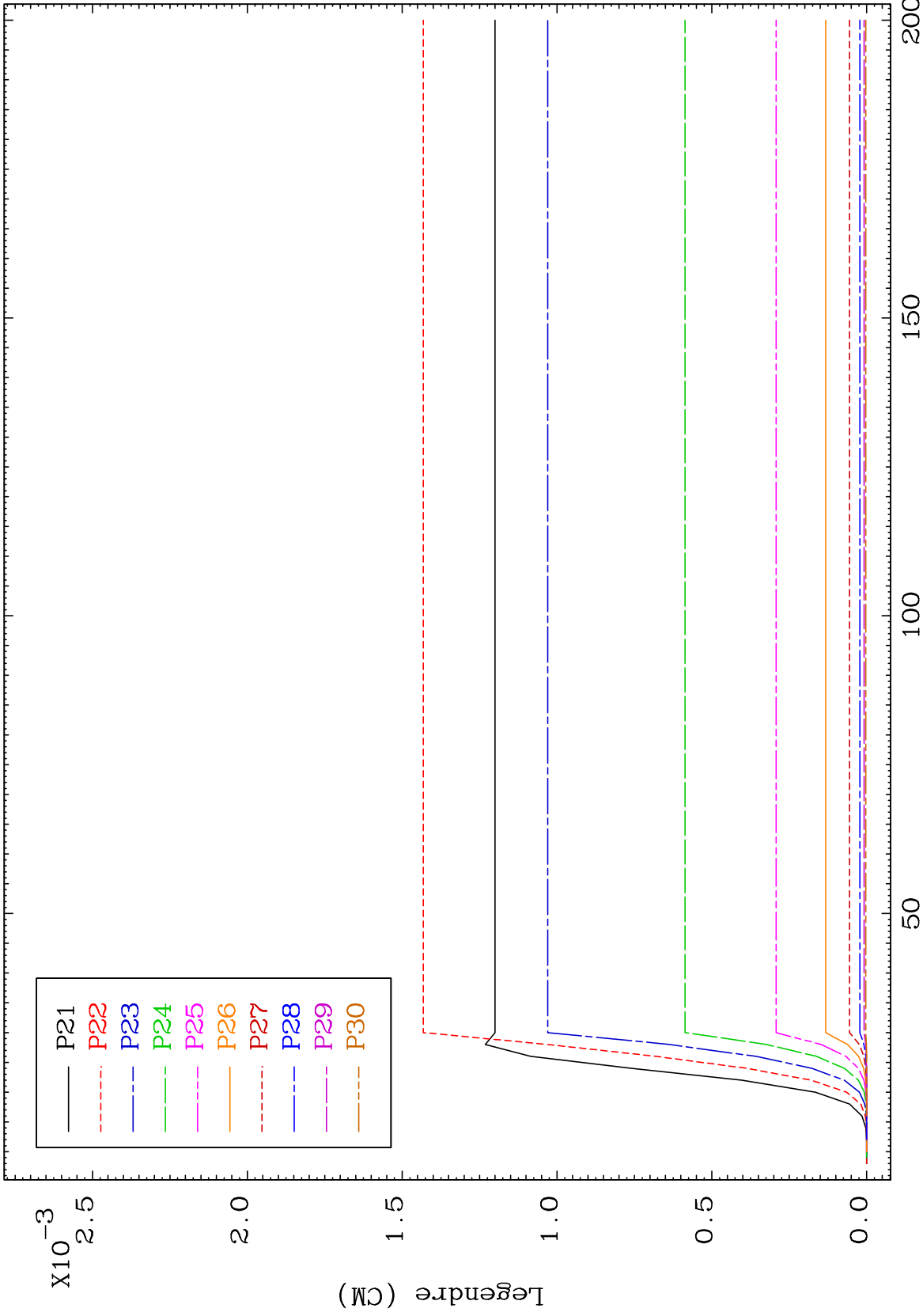
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



30

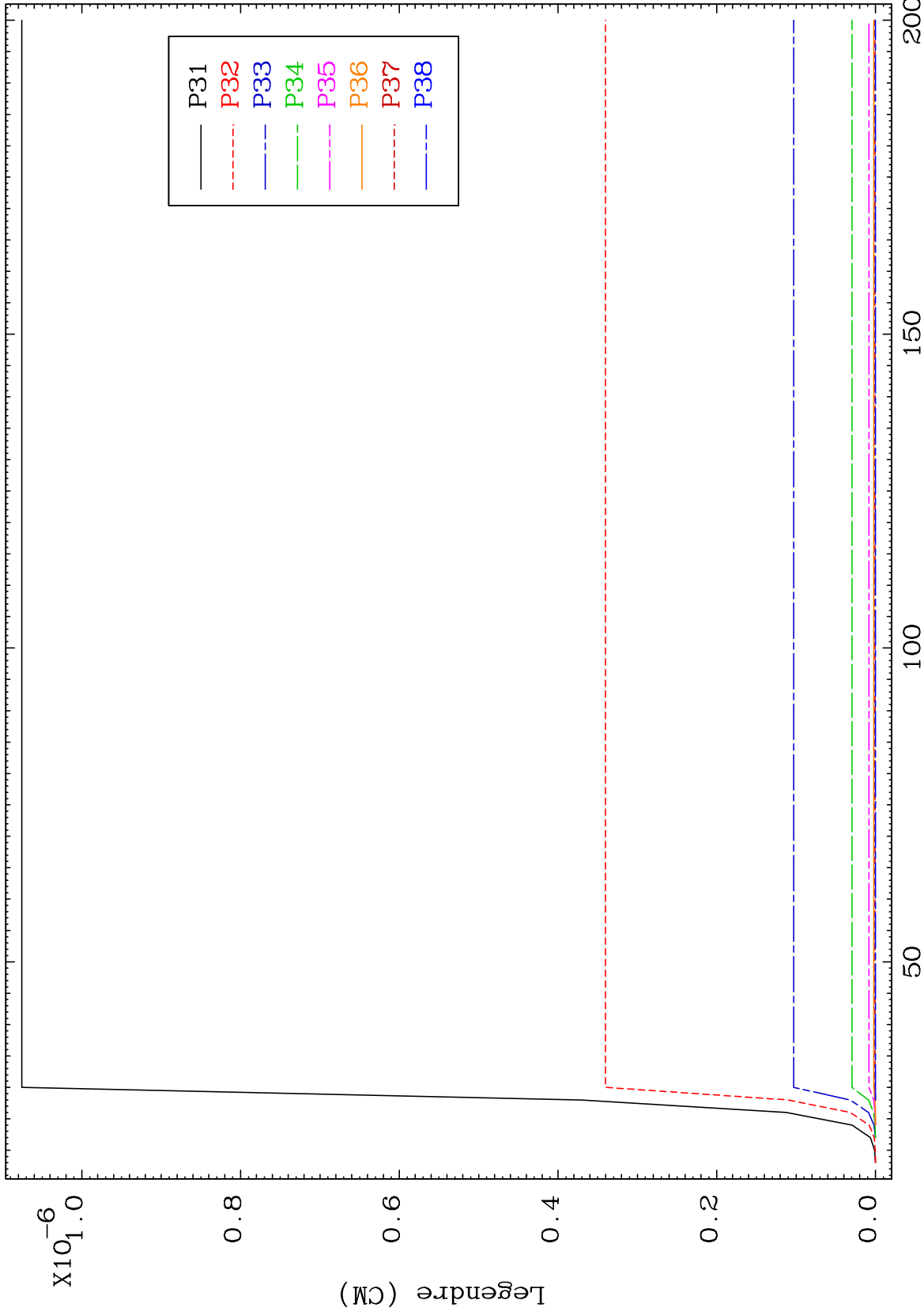
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



31

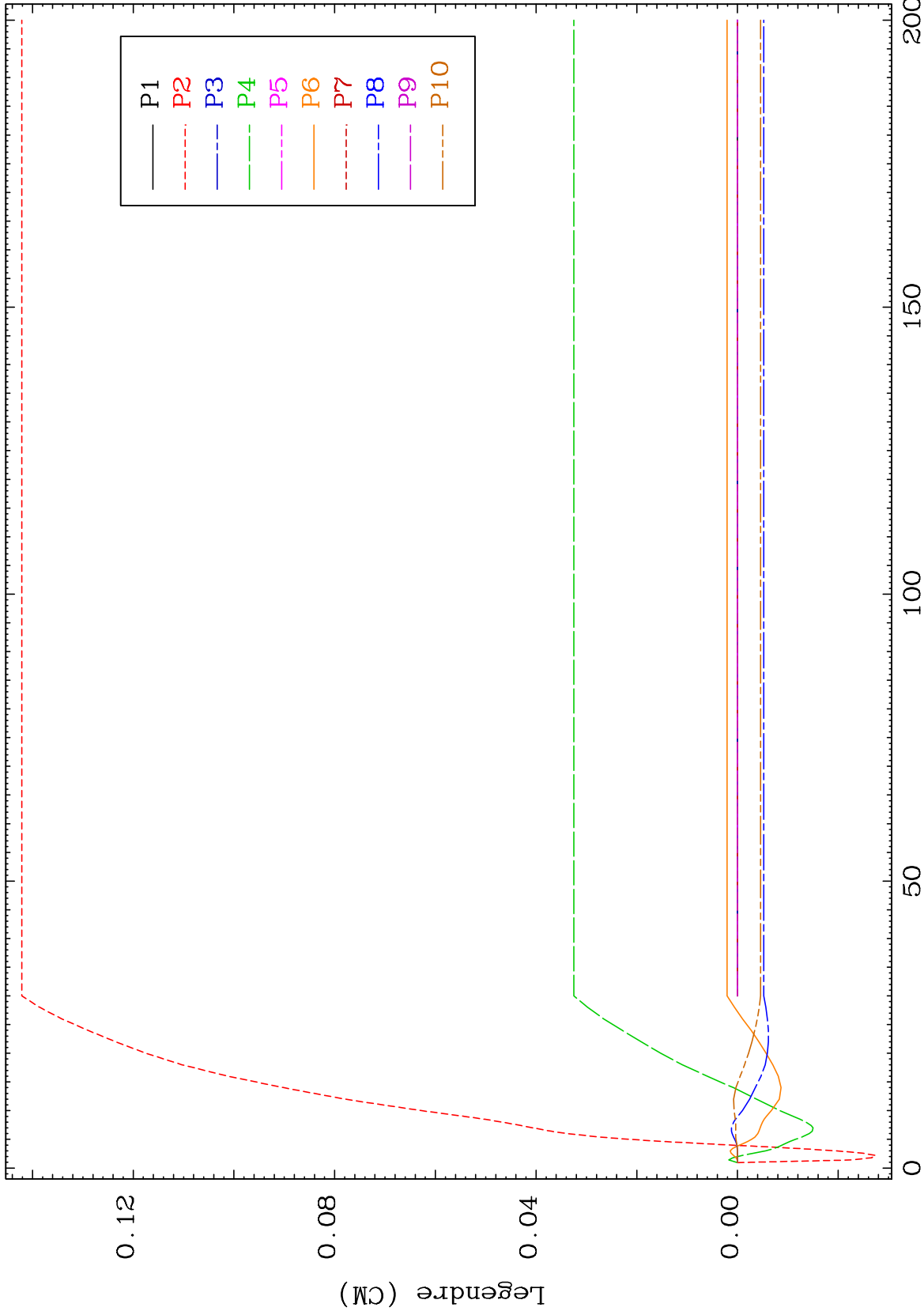
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



32

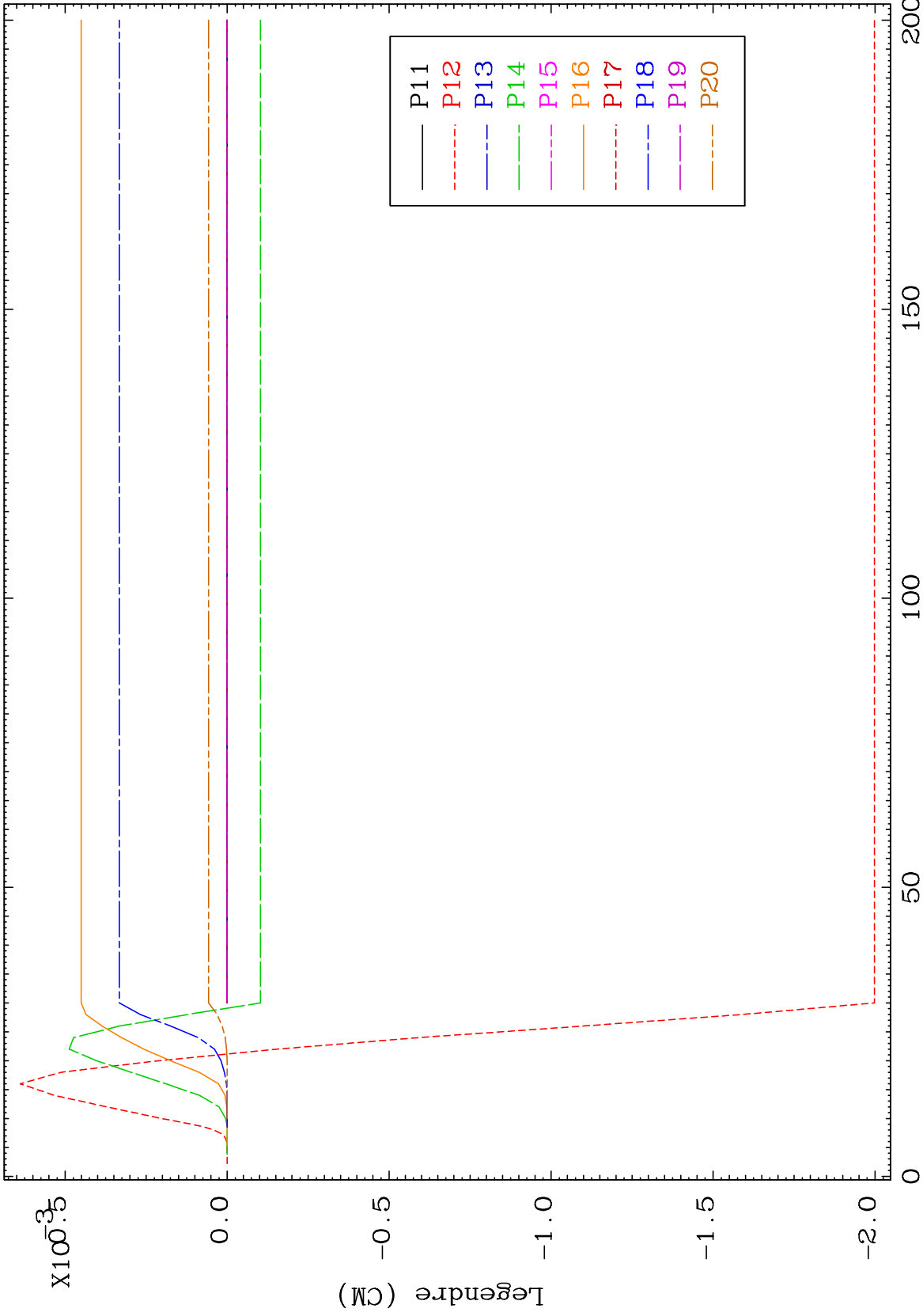
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



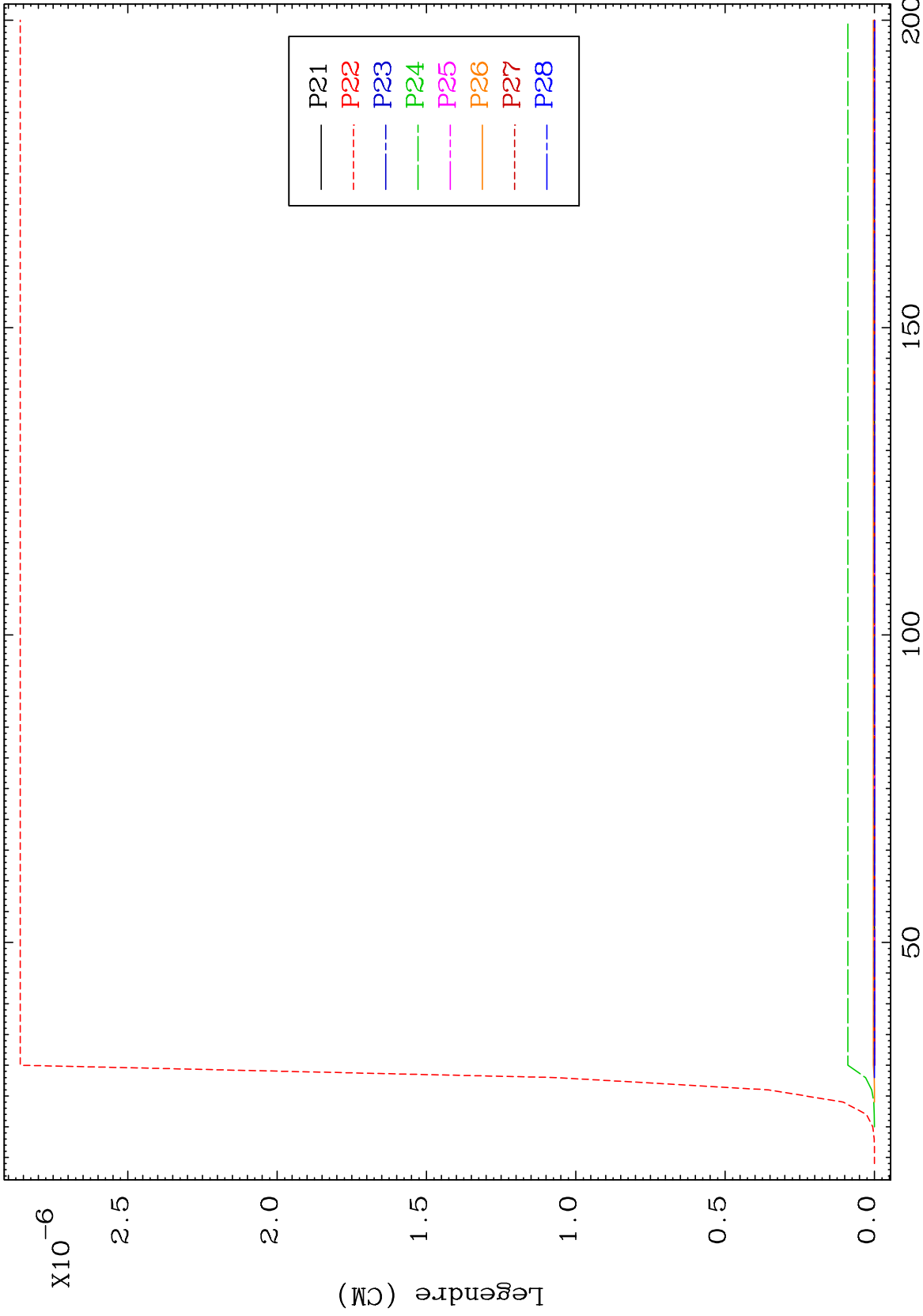
33

78-Pt-192

MAT 7831

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

78-Pt-192

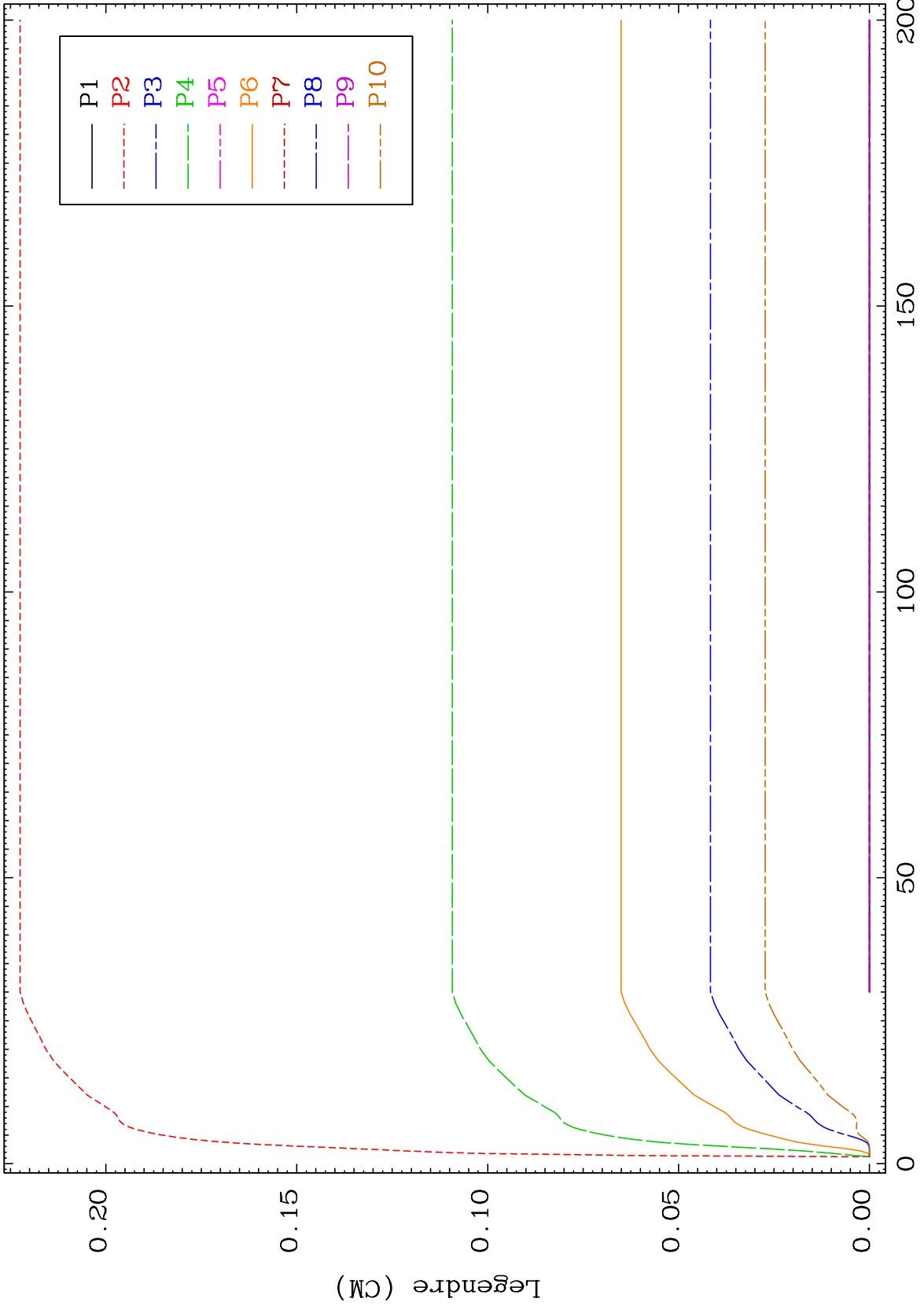


34

Incident Energy (MeV)

78-Pt-192

MAT 7831 MT= 55 (n,n') Level Legendre Coefficients 78-Pt-192

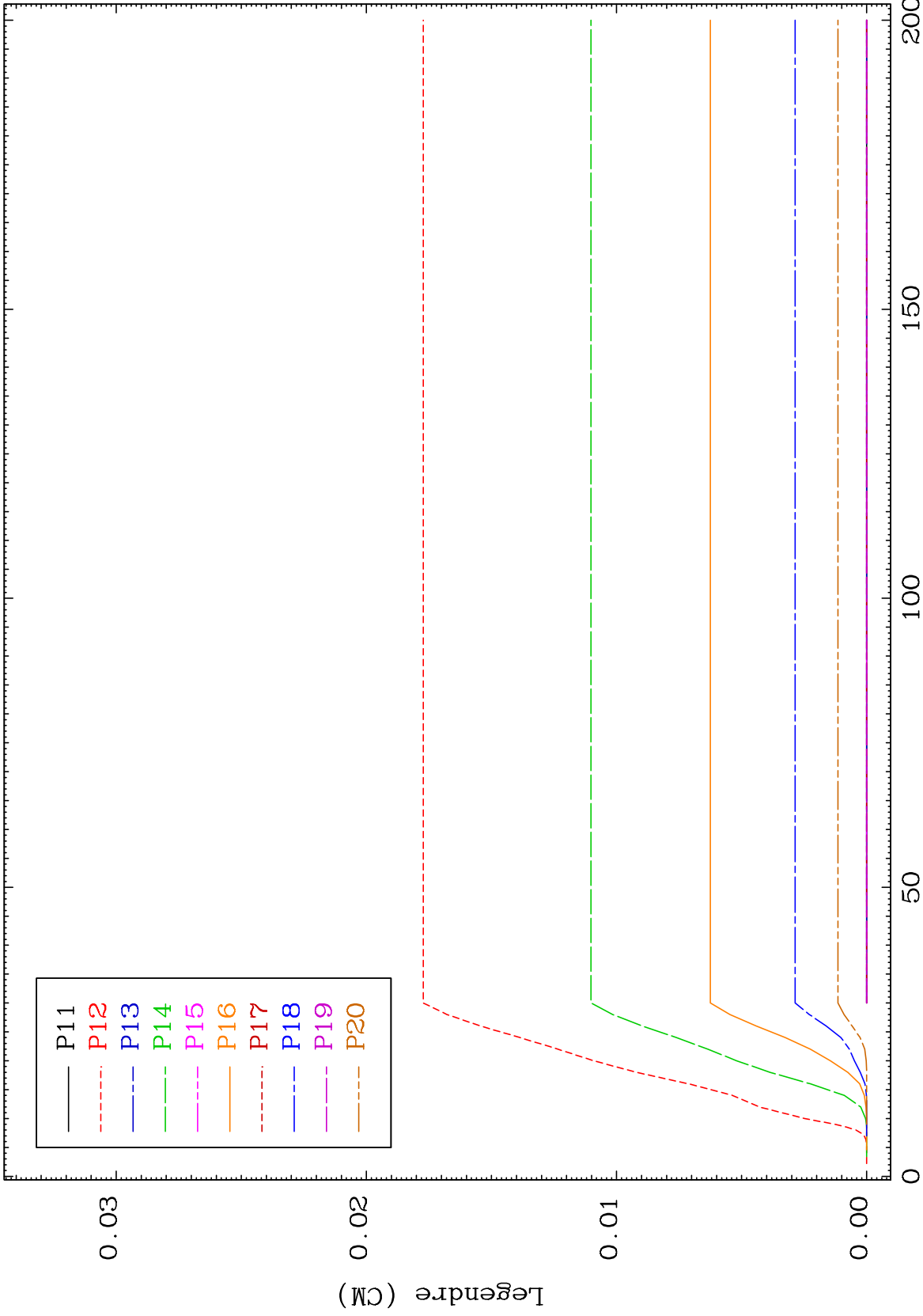


35 Incident Energy (MeV) 78-Pt-192

MAT 7831

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

78-Pt-192

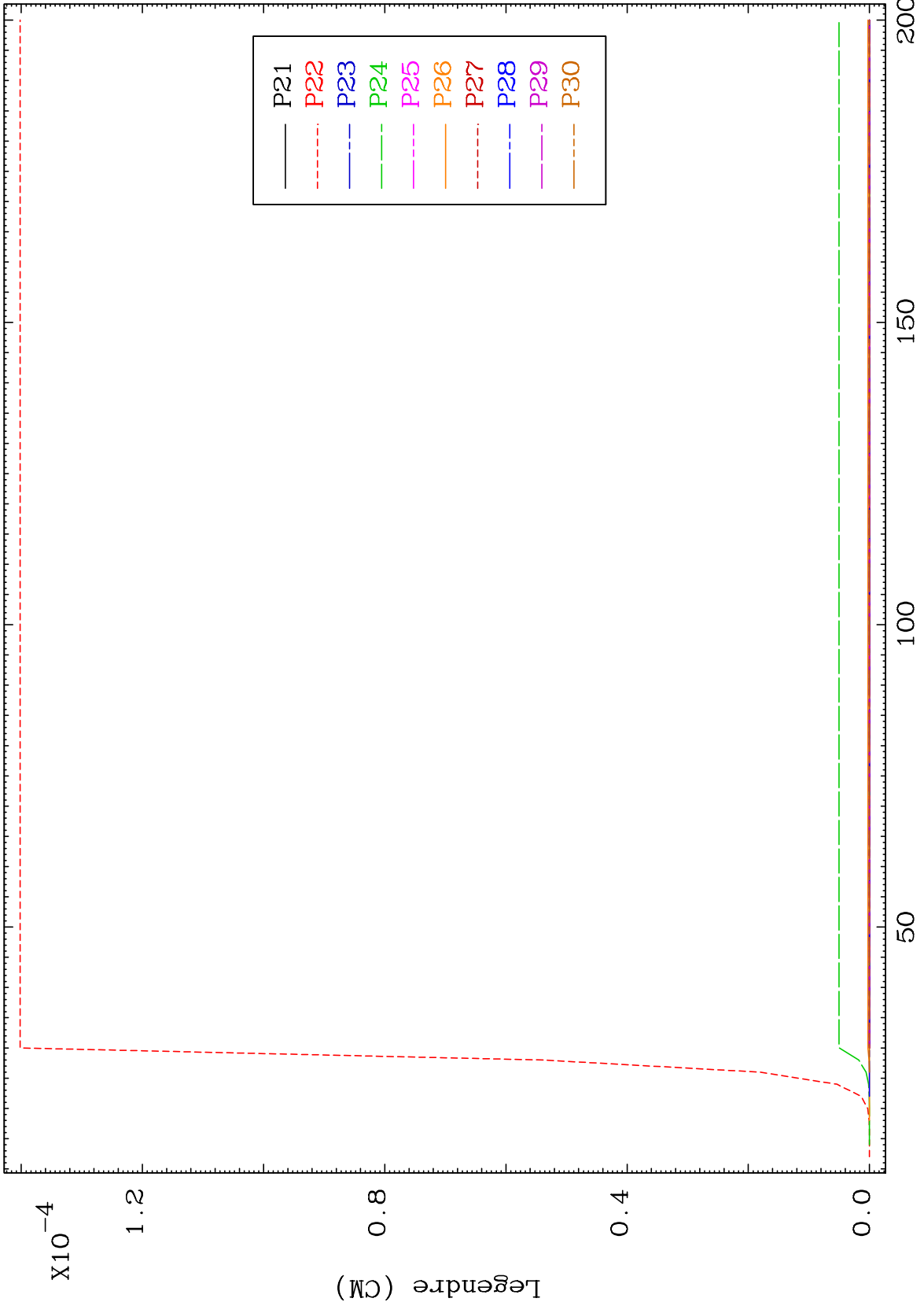


36

Incident Energy (MeV)

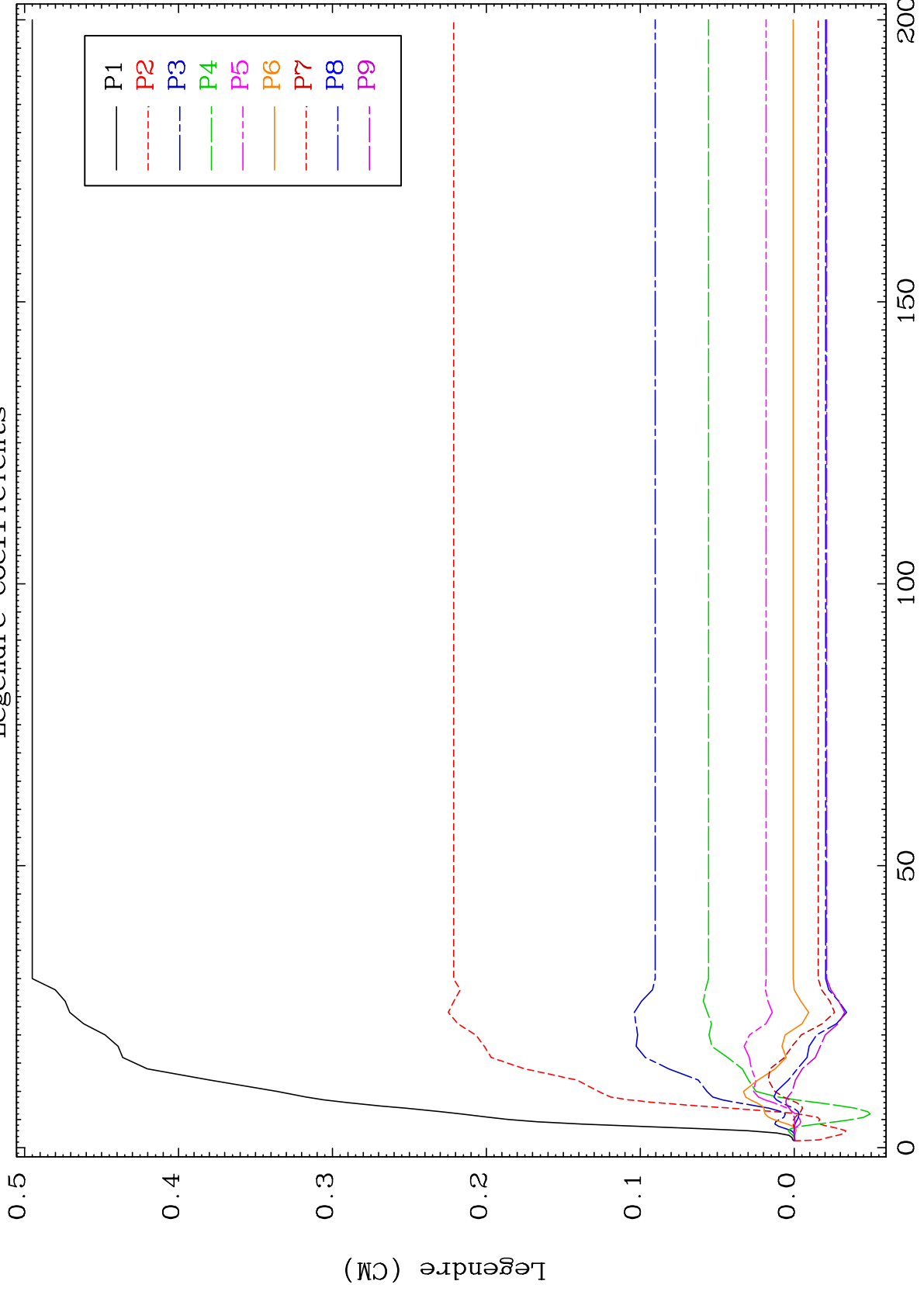
78-Pt-192

MAT 7831 MT= 55 (n,n') Level Legendre Coefficients 78-Pt-192



37 Incident Energy (MeV) 78-Pt-192

MAT 7831 MT= 56 (n,n') Level Legendre Coefficients 78-Pt-192

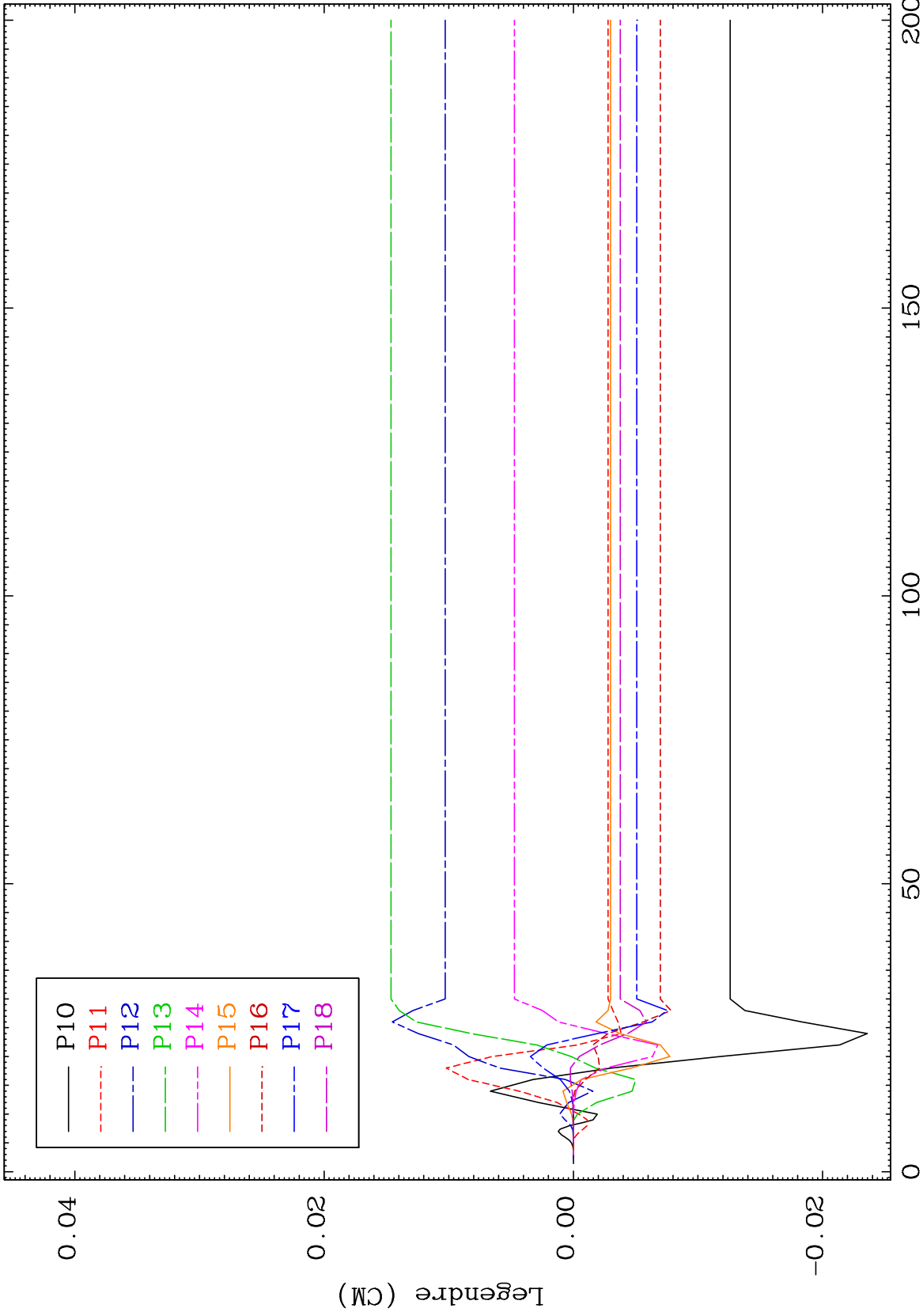


38 78-Pt-192

MAT 7831

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

78-Pt-192



39

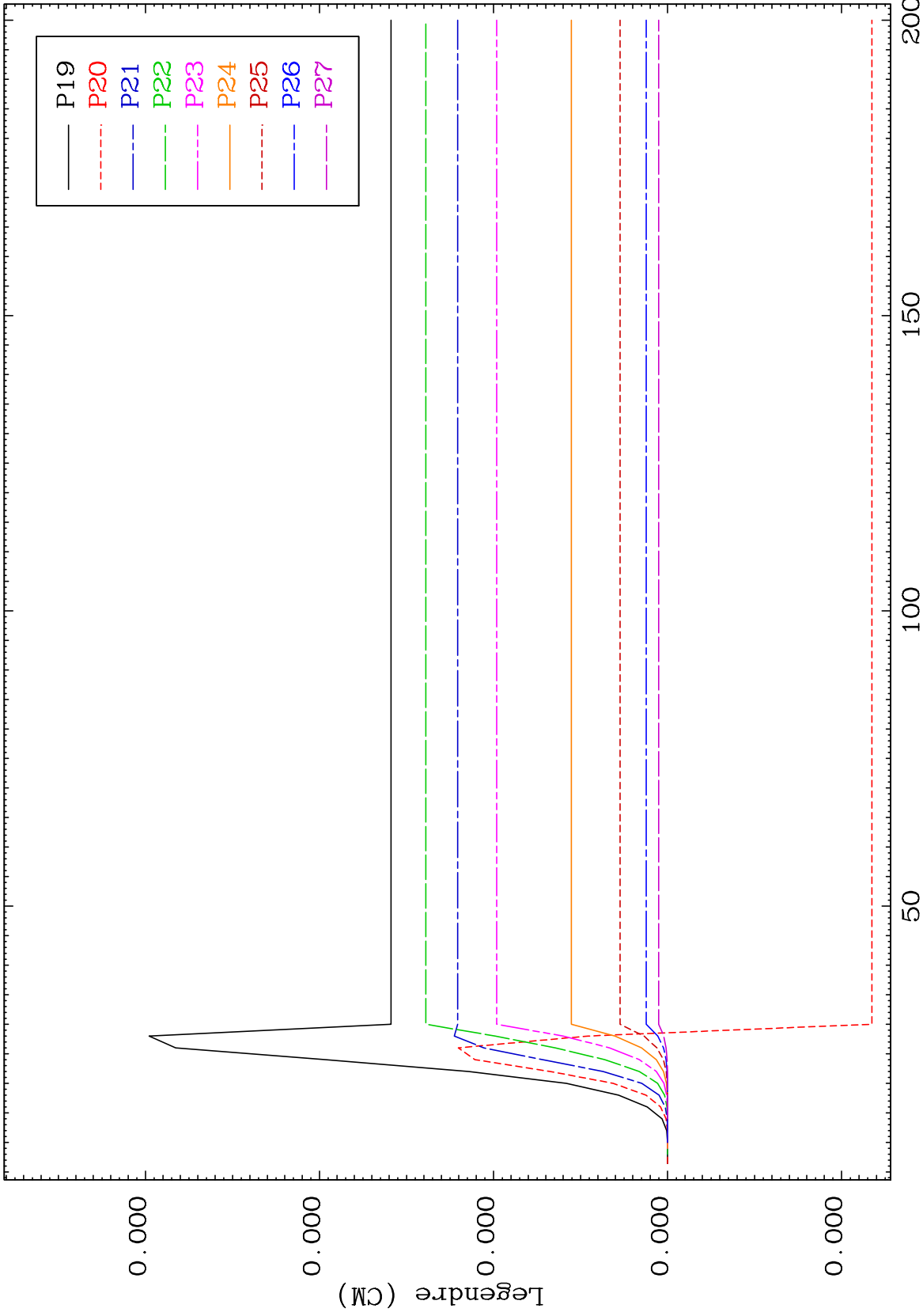
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



40

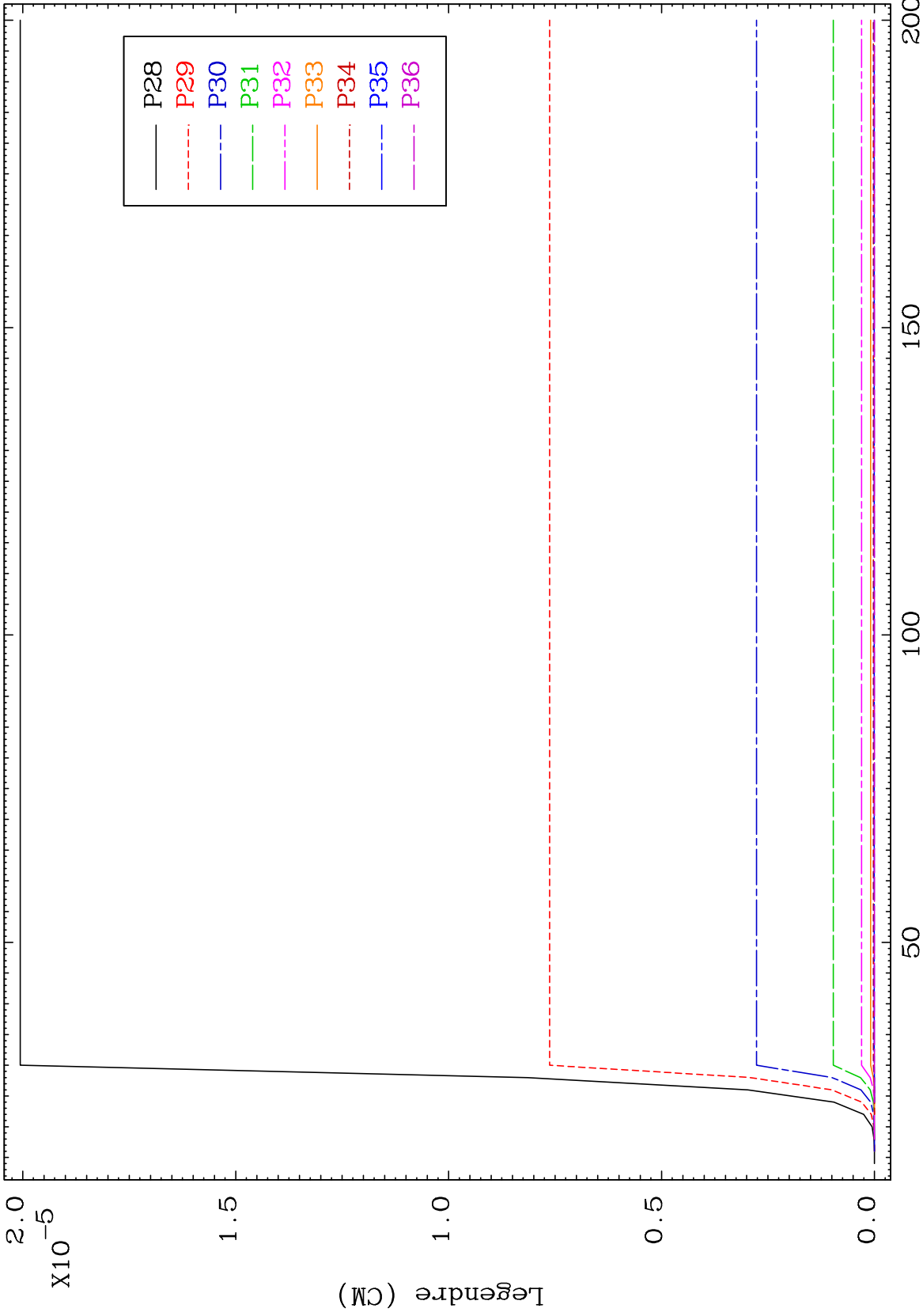
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



41

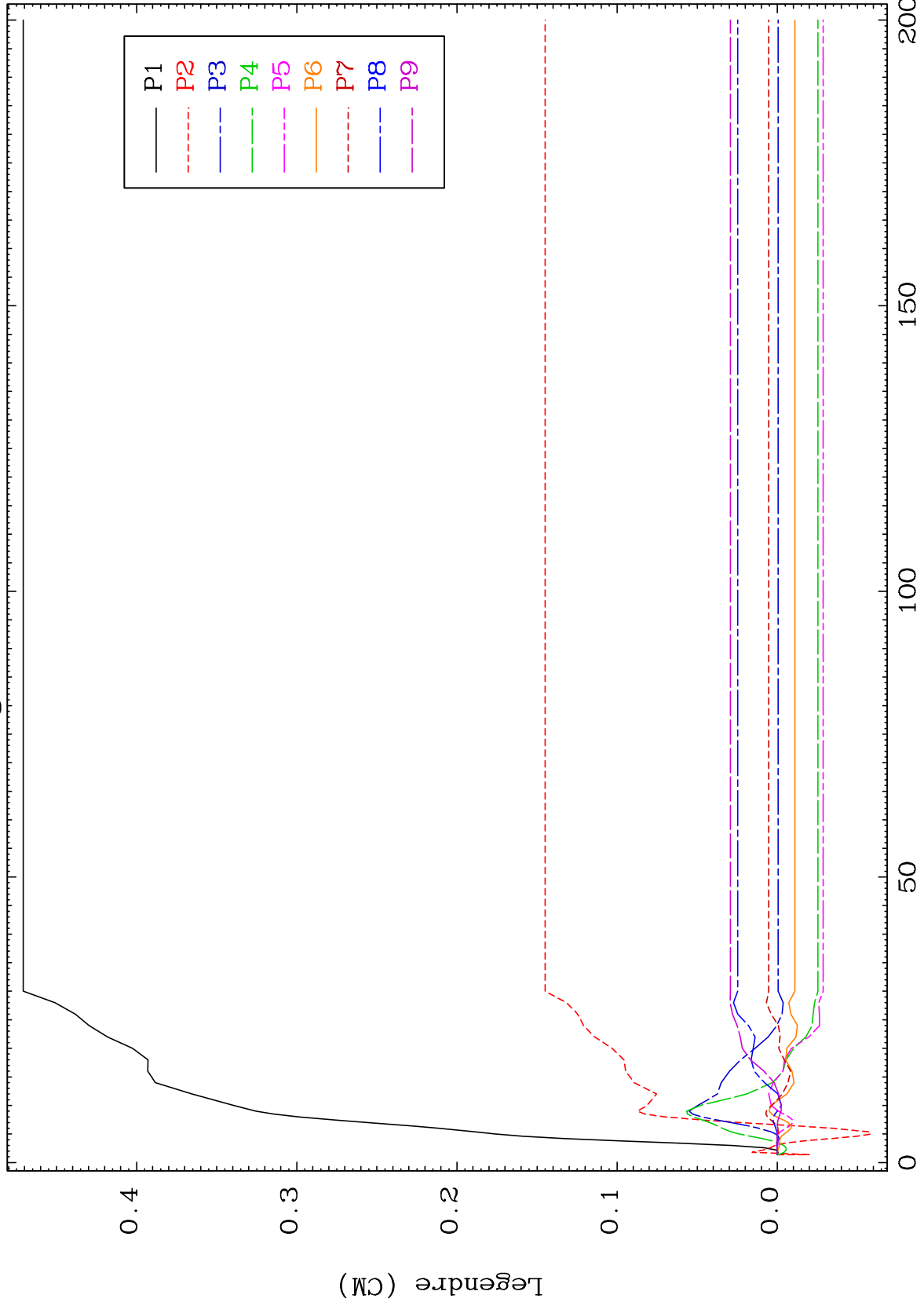
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



42

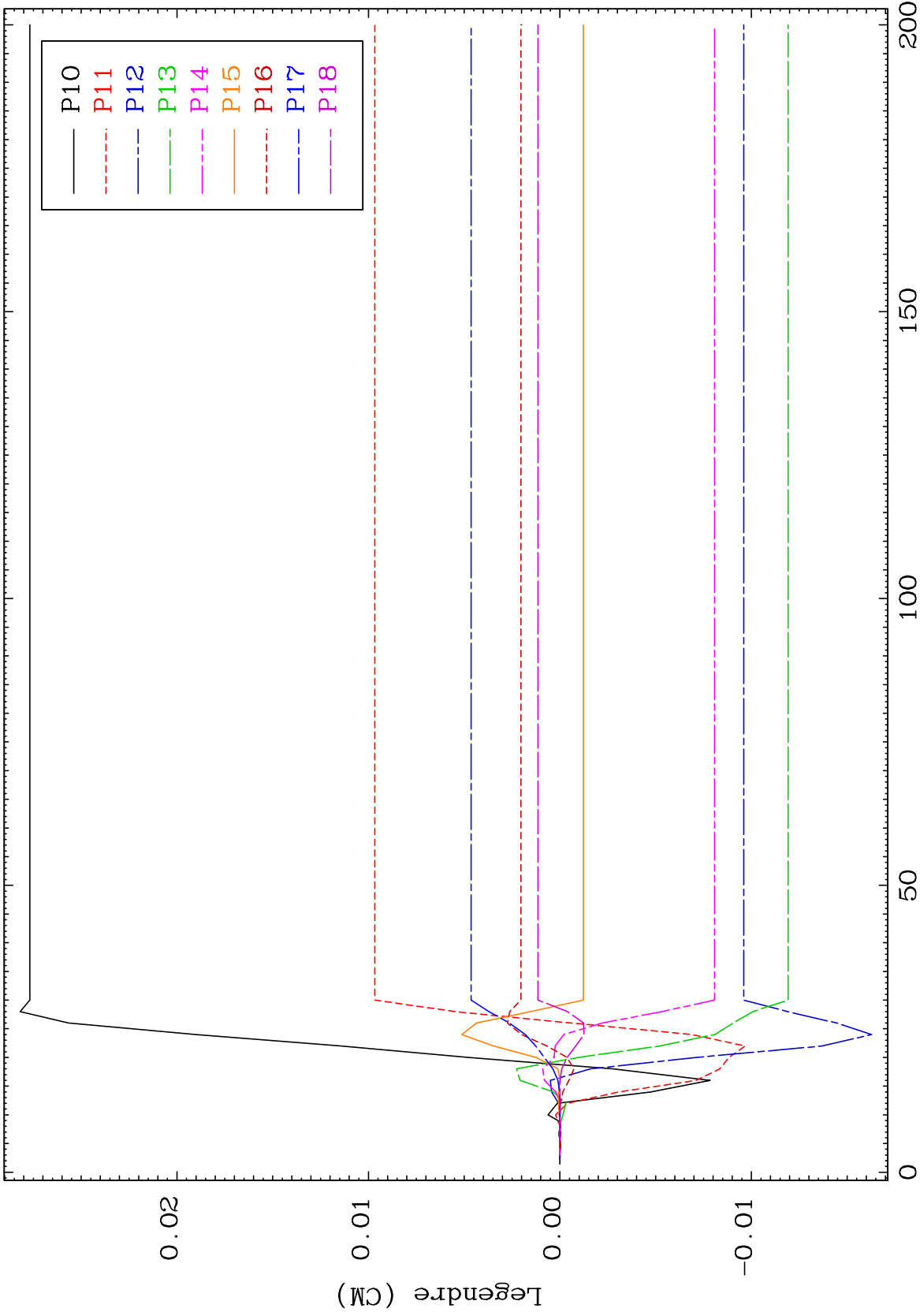
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



43

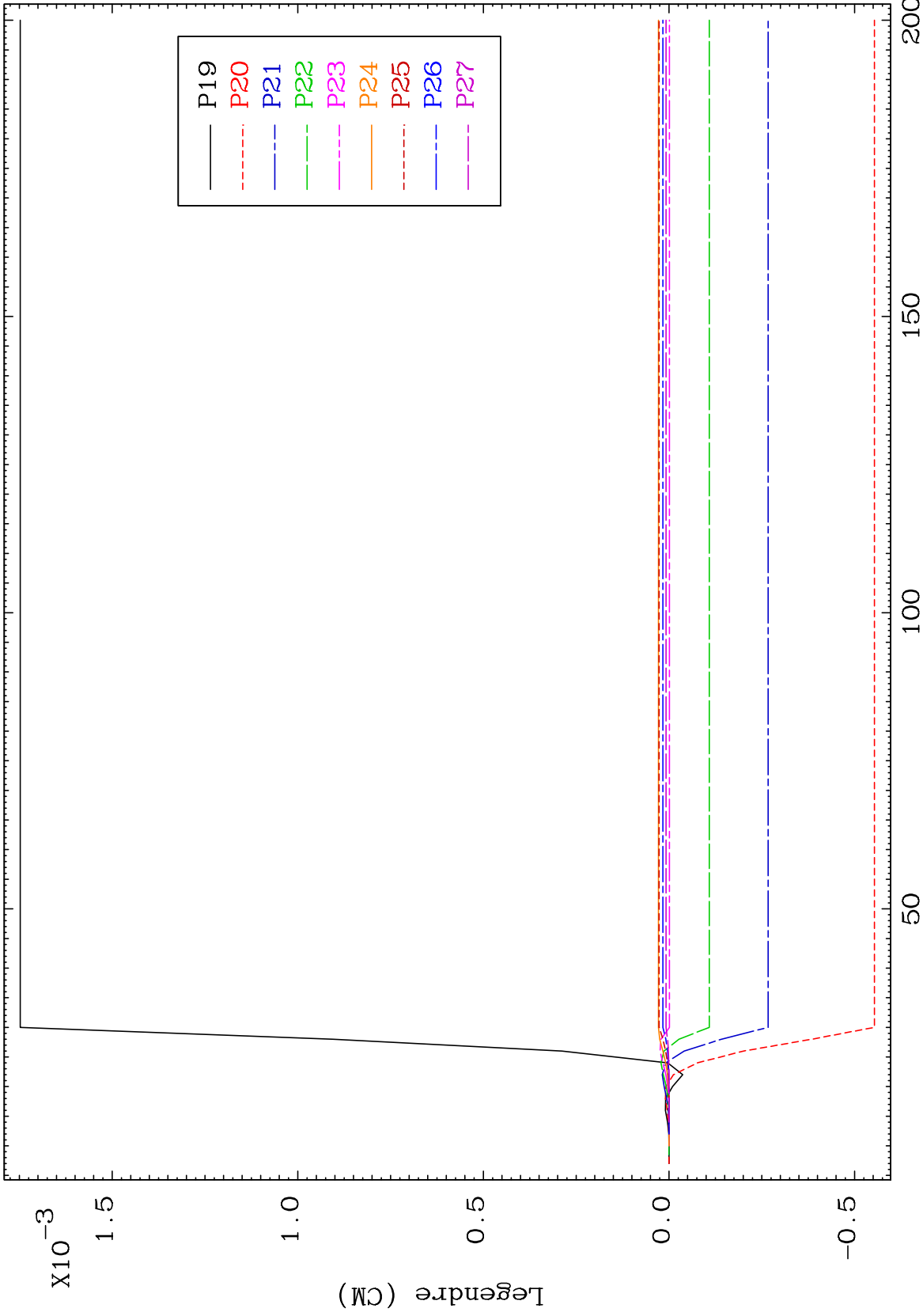
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



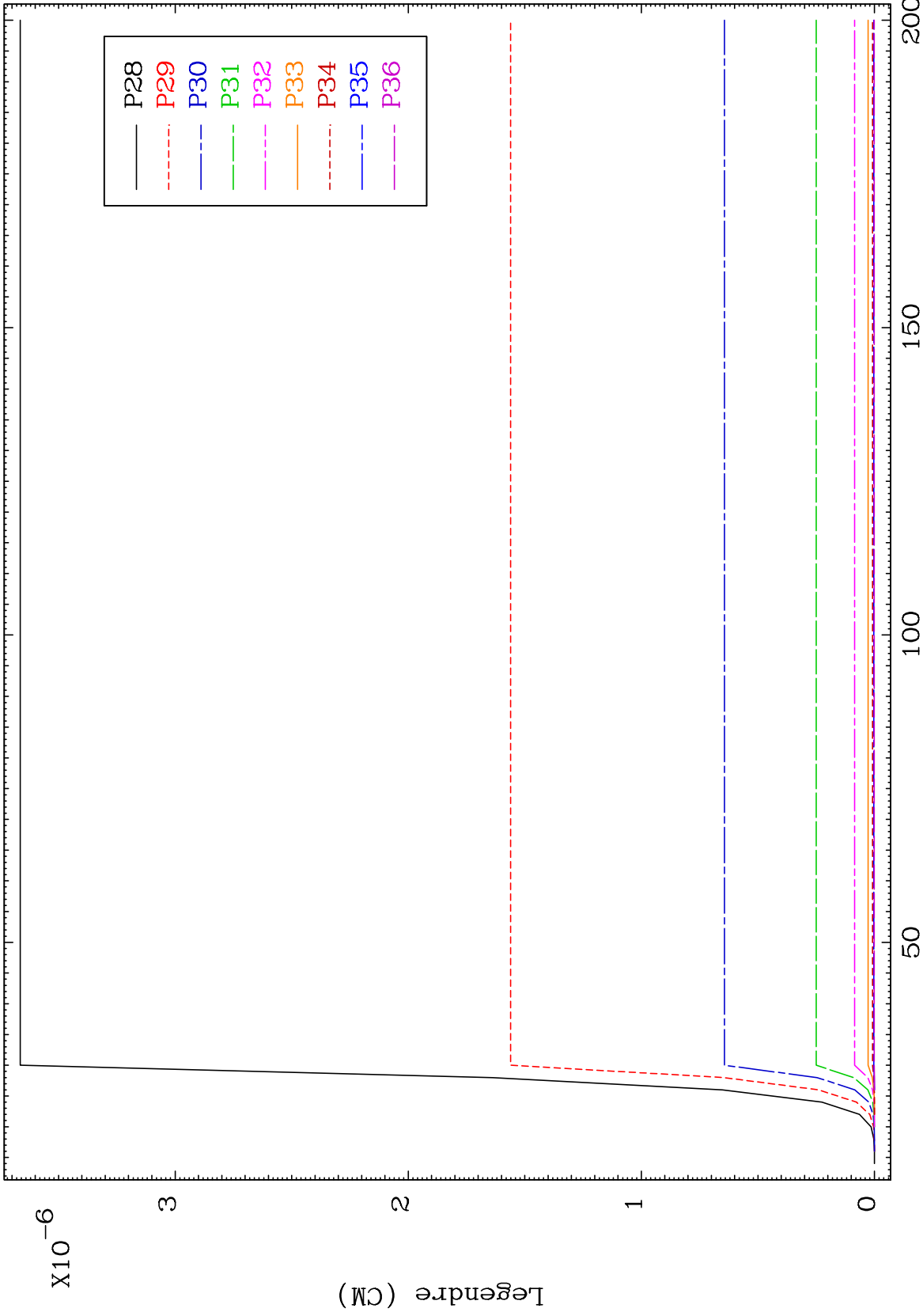
44

78-Pt-192

MAT 7831

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

78-Pt-192



45

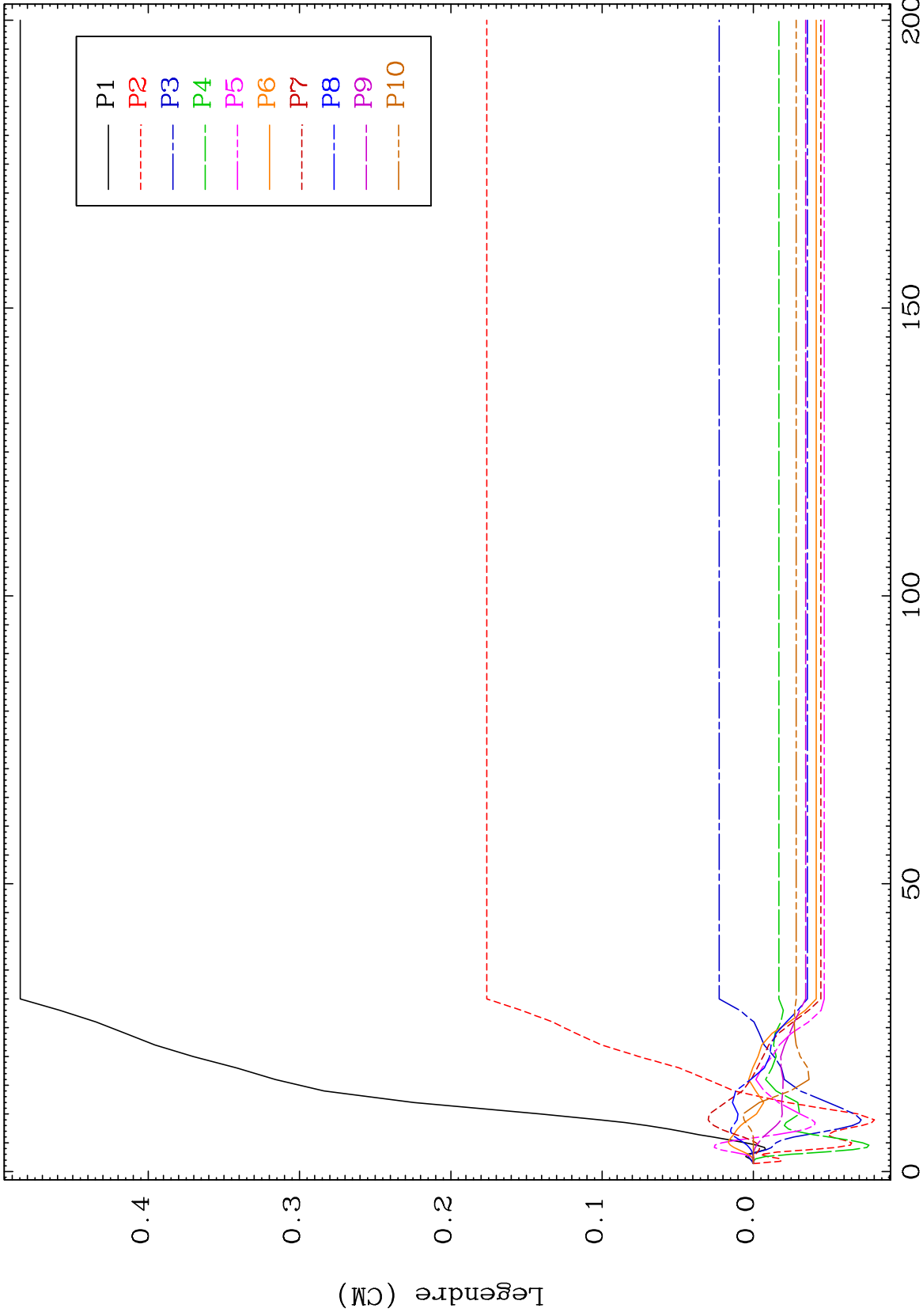
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



46

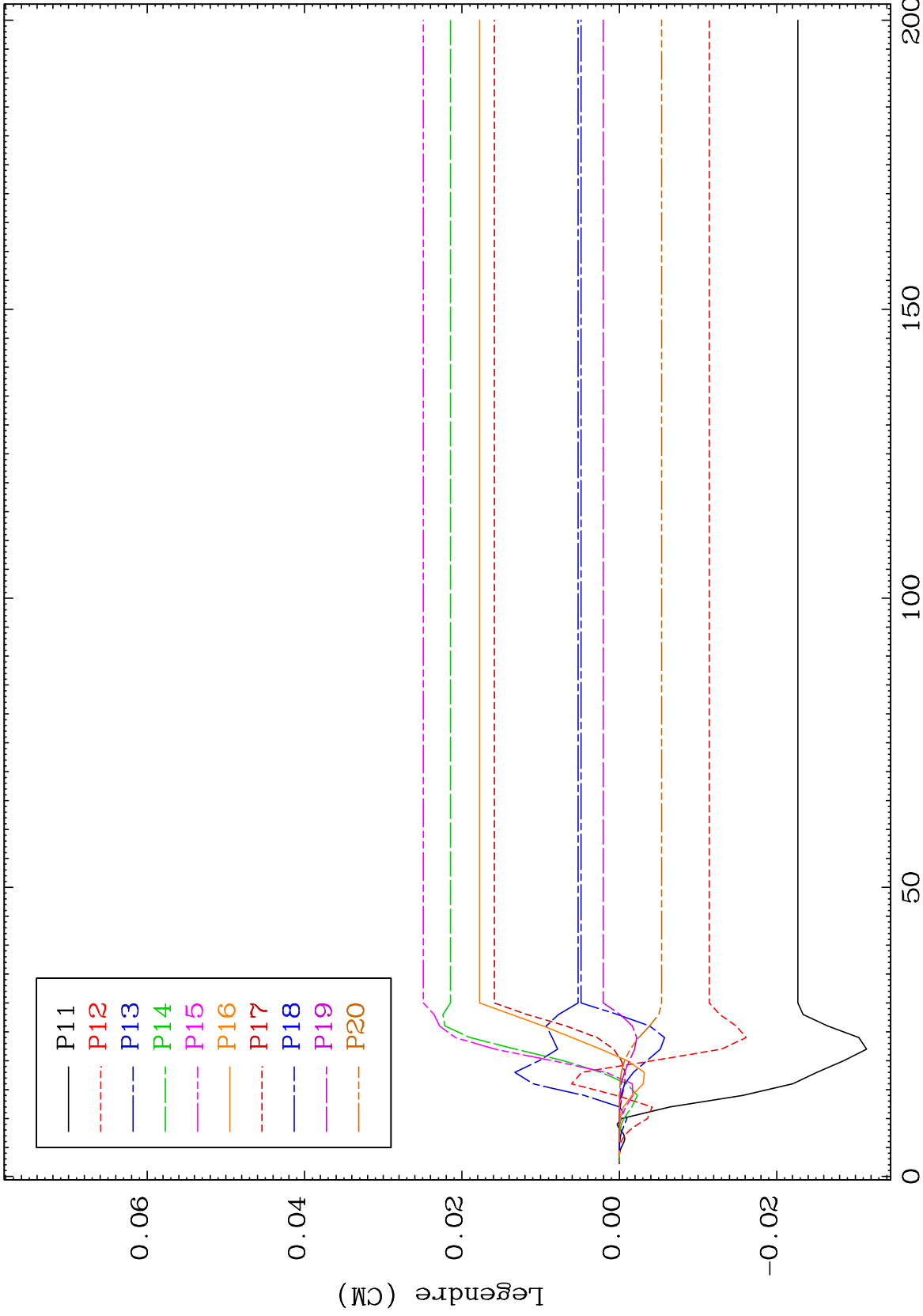
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



47

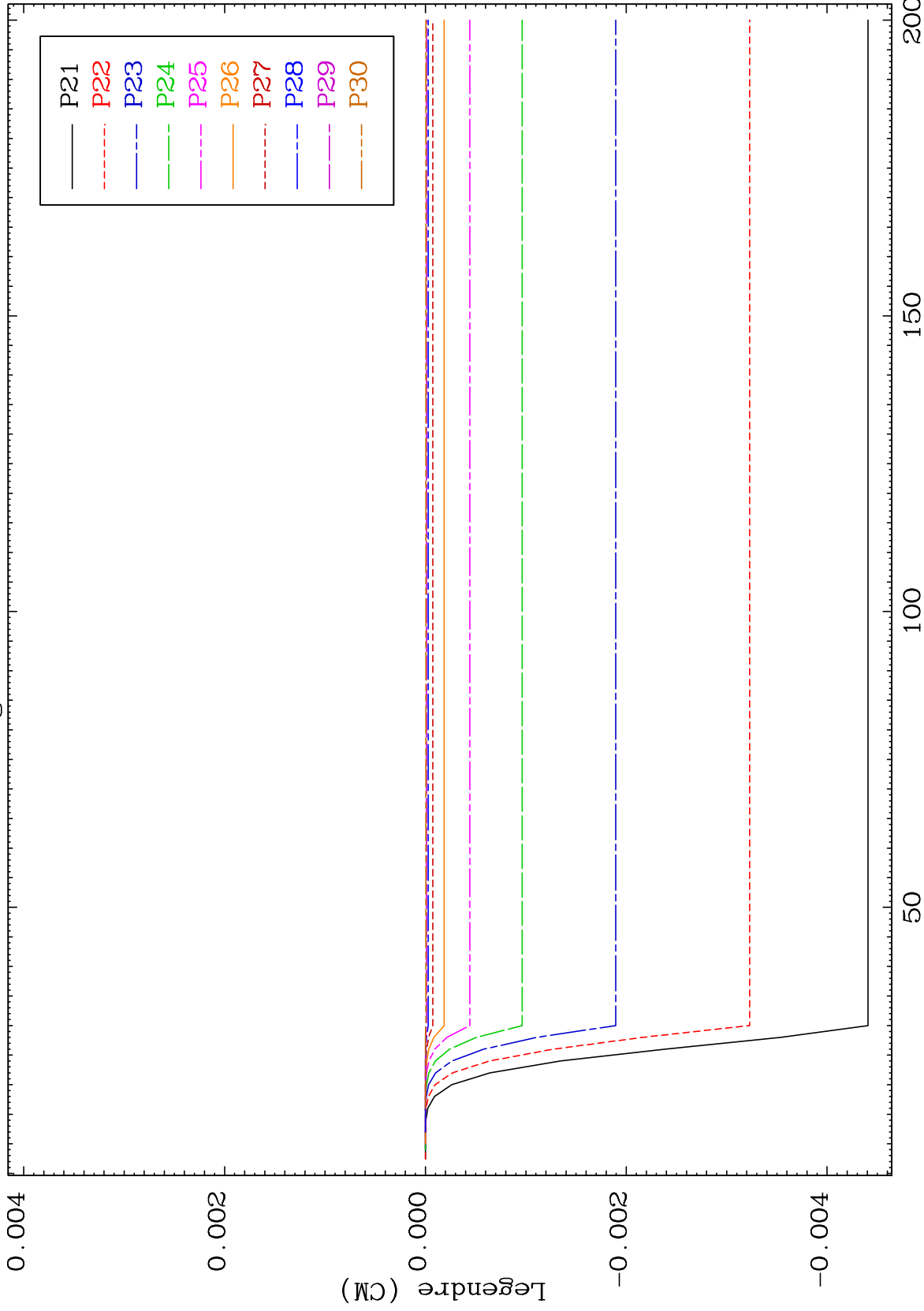
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



48

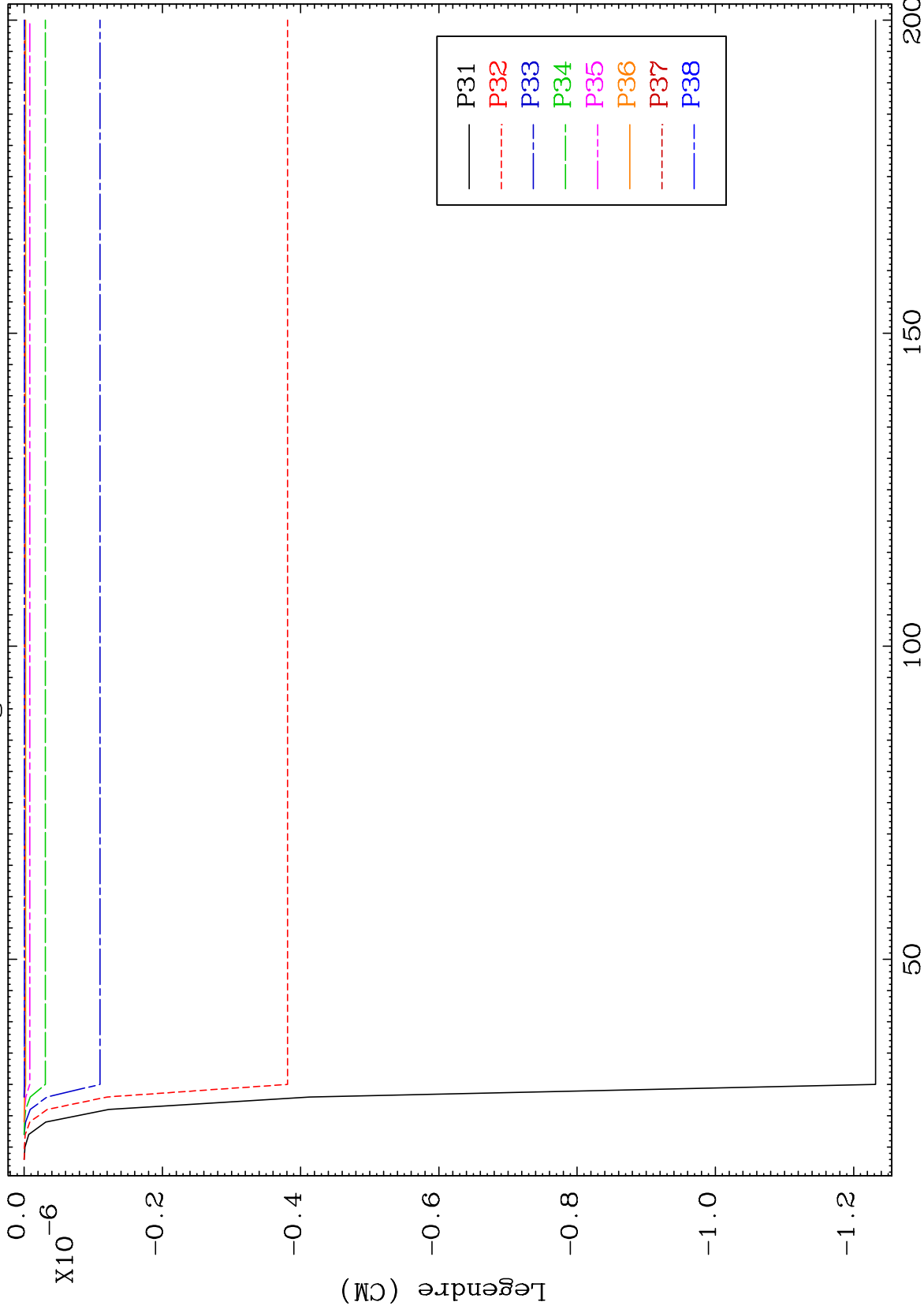
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



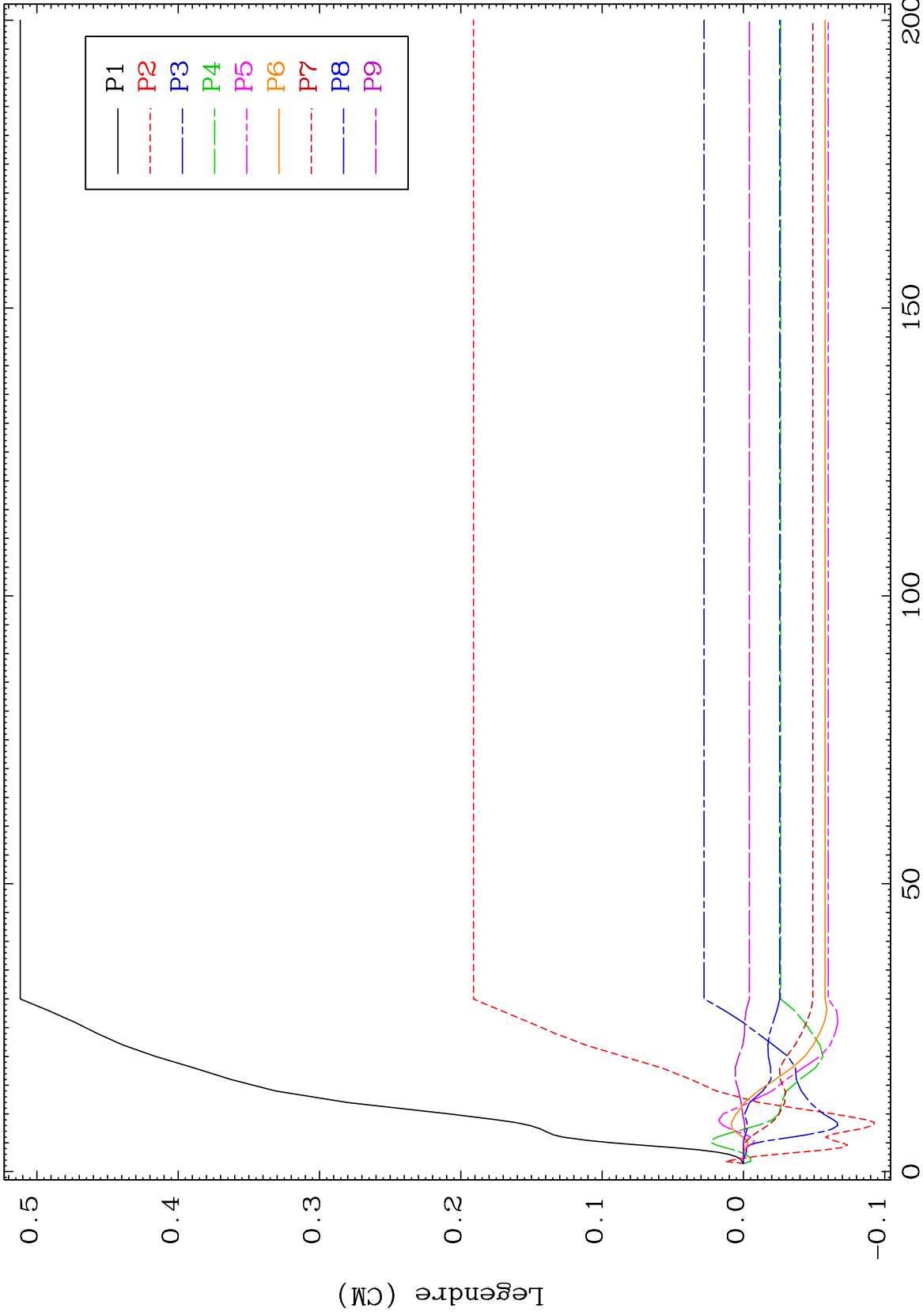
49

78-Pt-192

MAT 7831

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

78-Pt-192



78-Pt-192

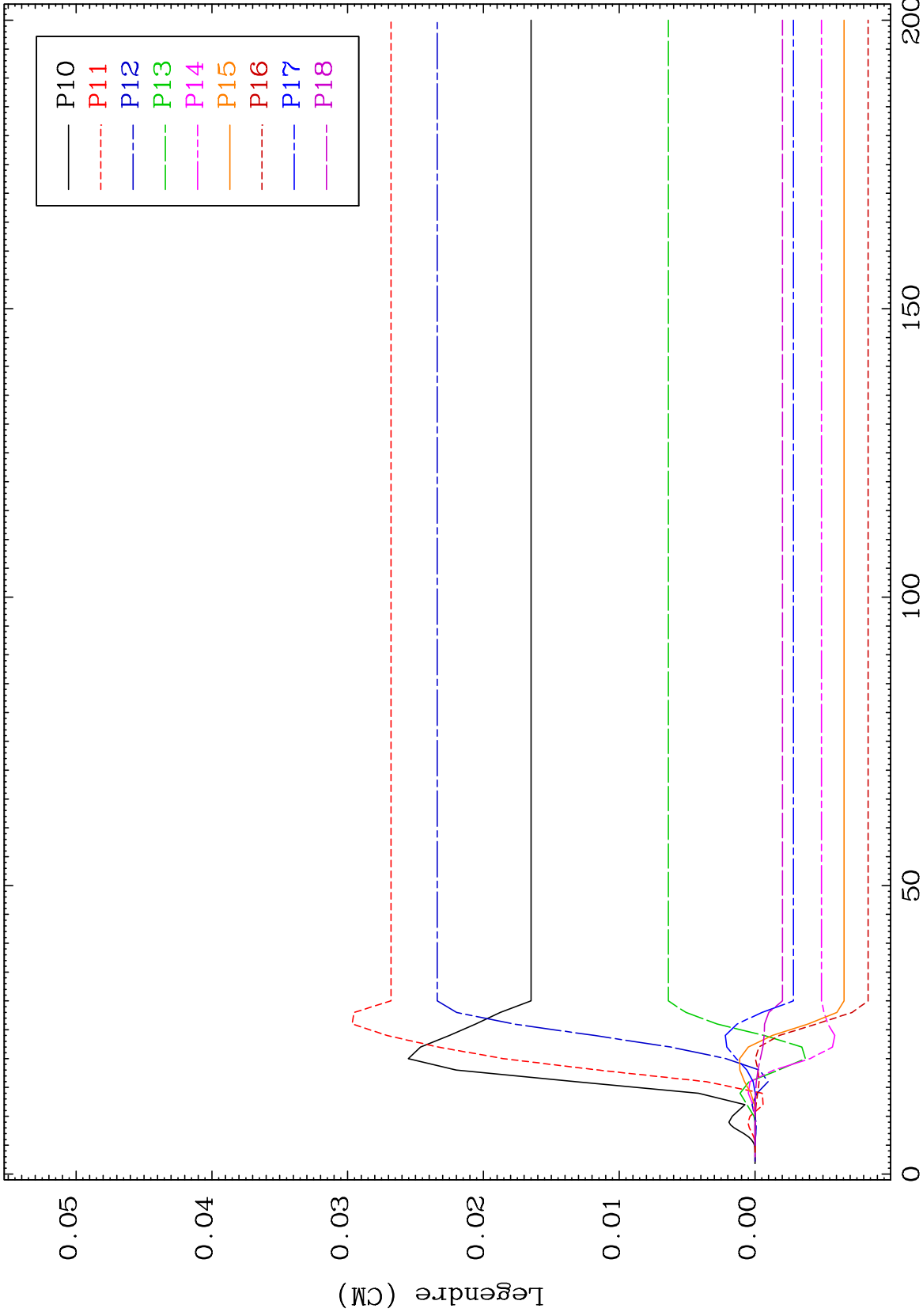
Incident Energy (MeV)

50

MAT 7831

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

78-Pt-192



51

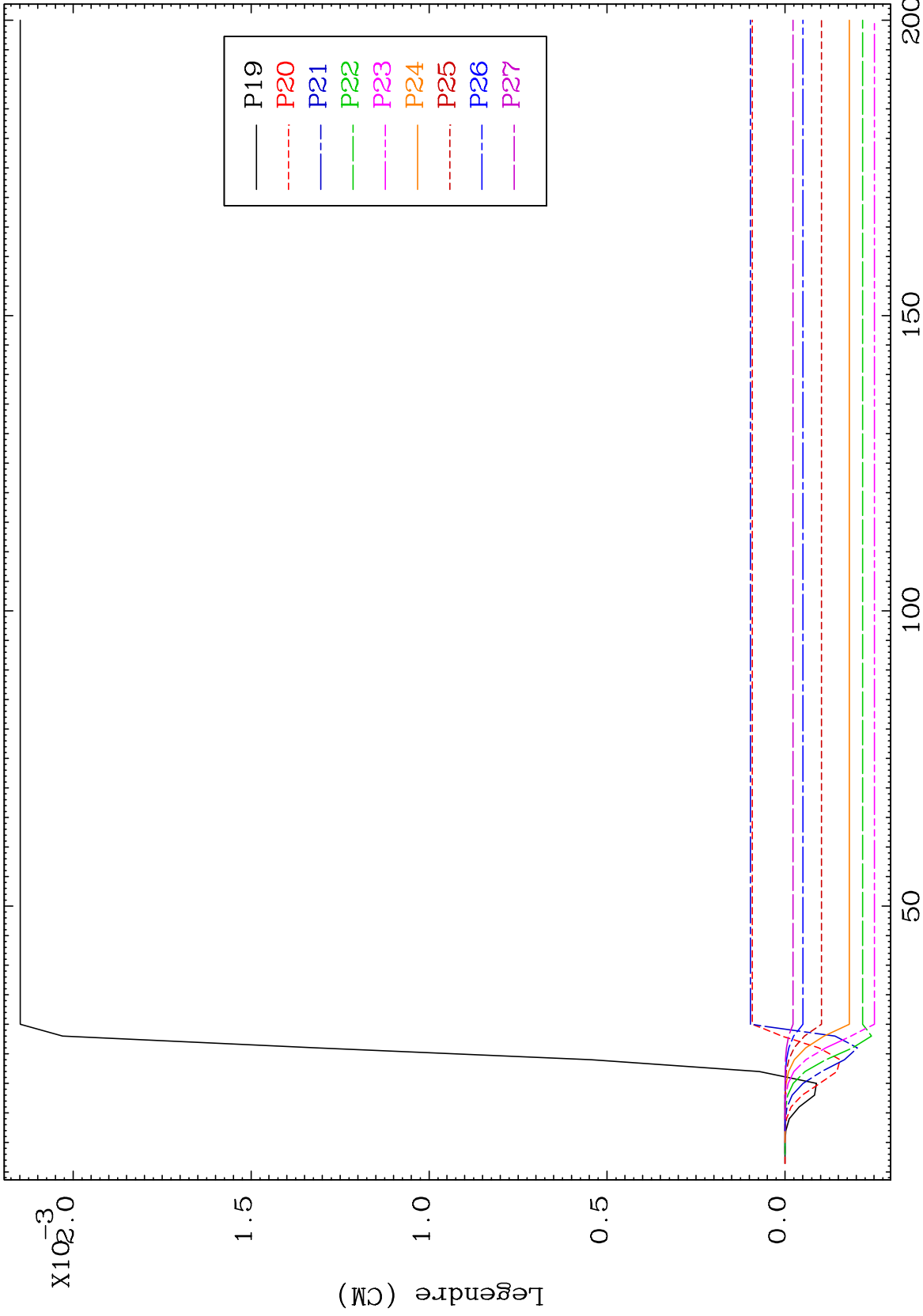
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



52

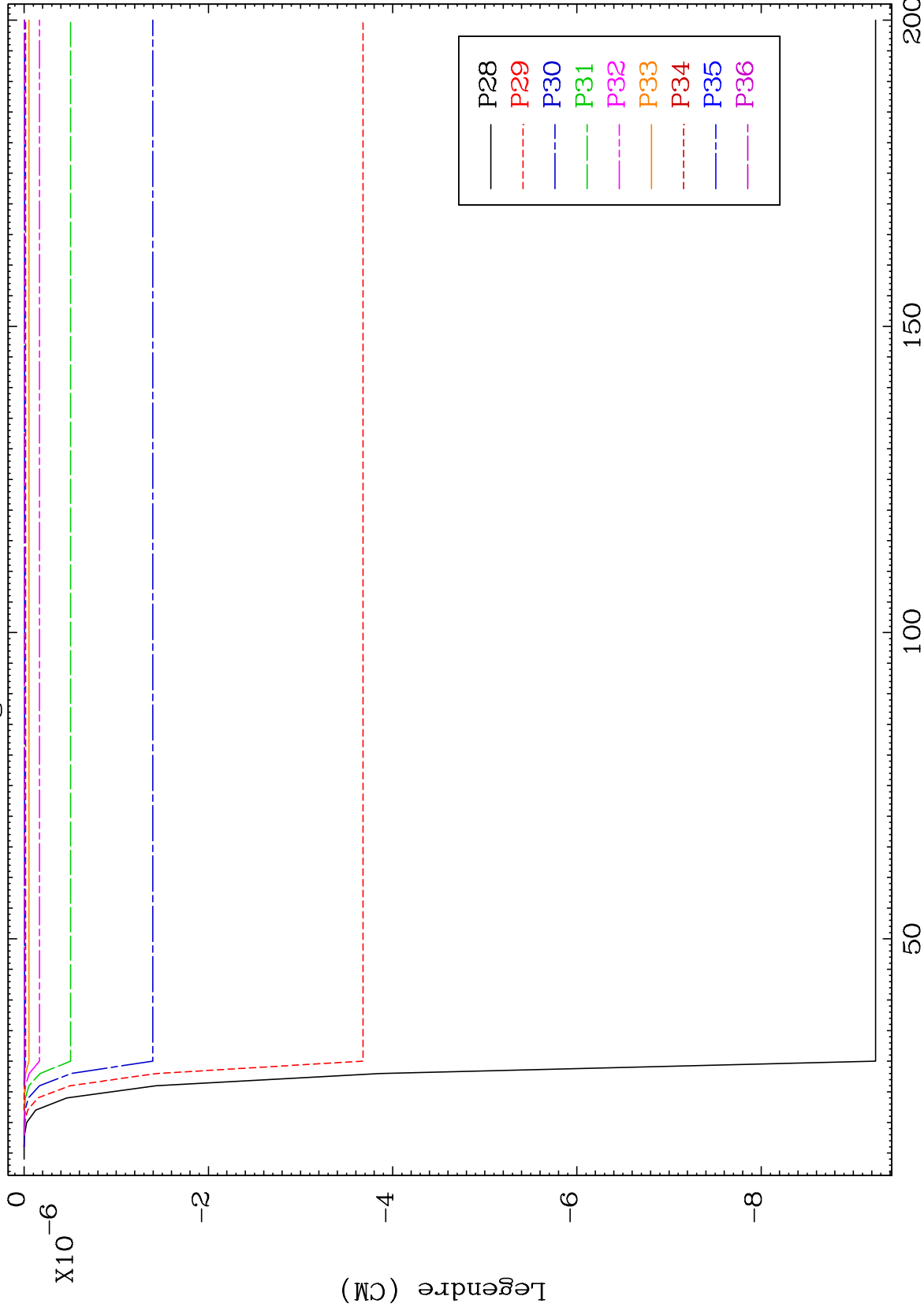
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



78-Pt-192

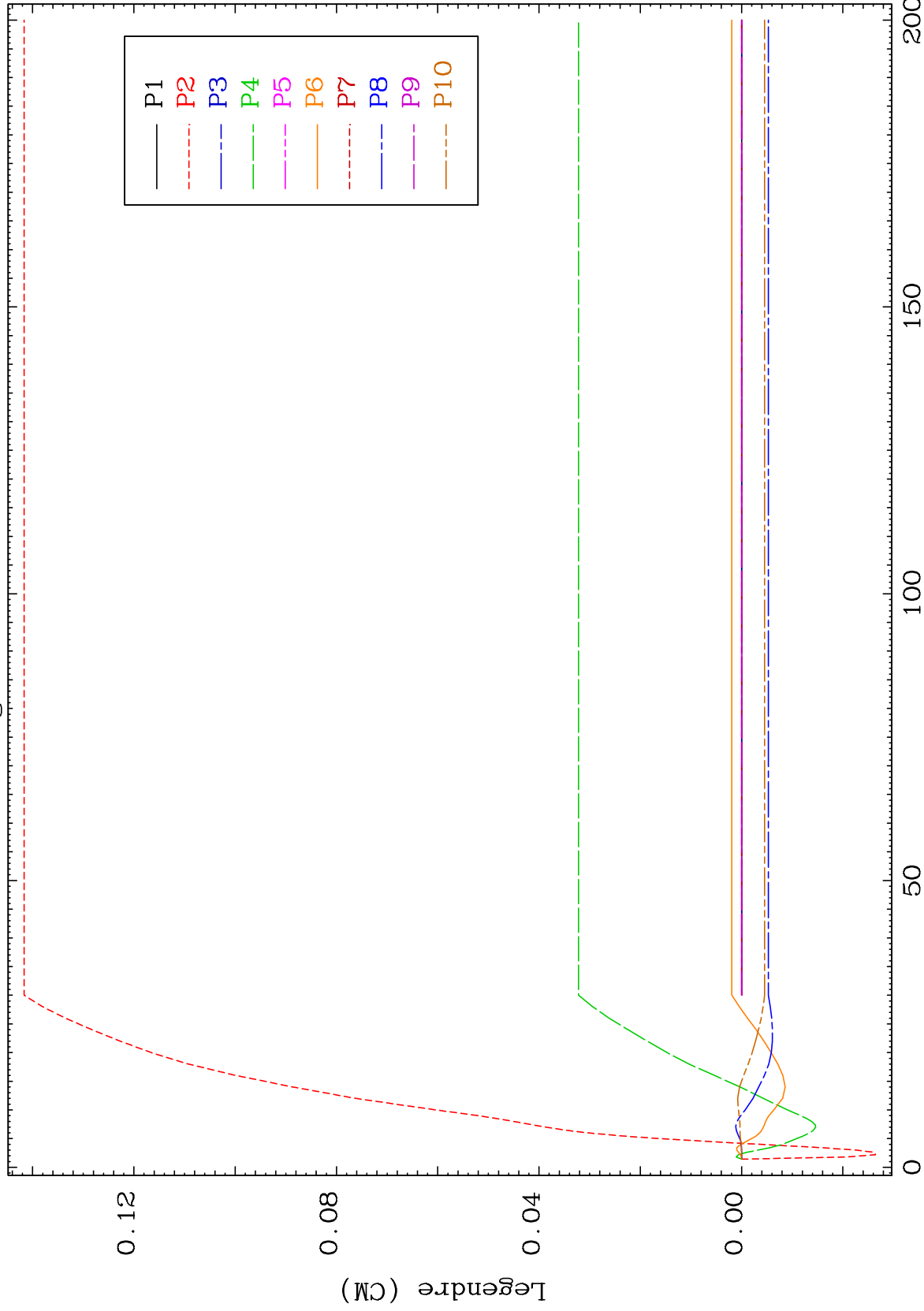
Incident Energy (MeV)

53

MAT 7831

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

78-Pt-192



54

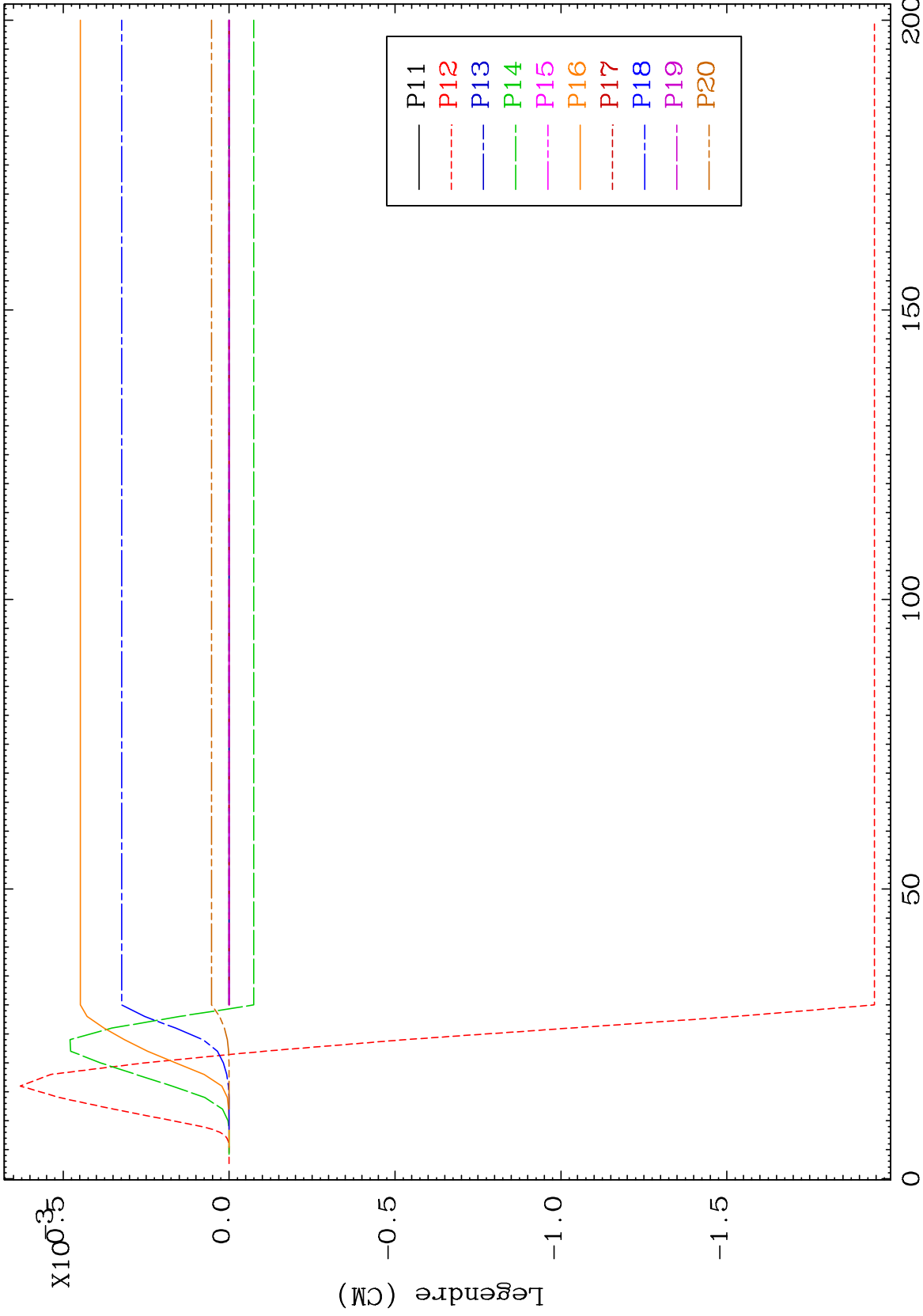
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



55

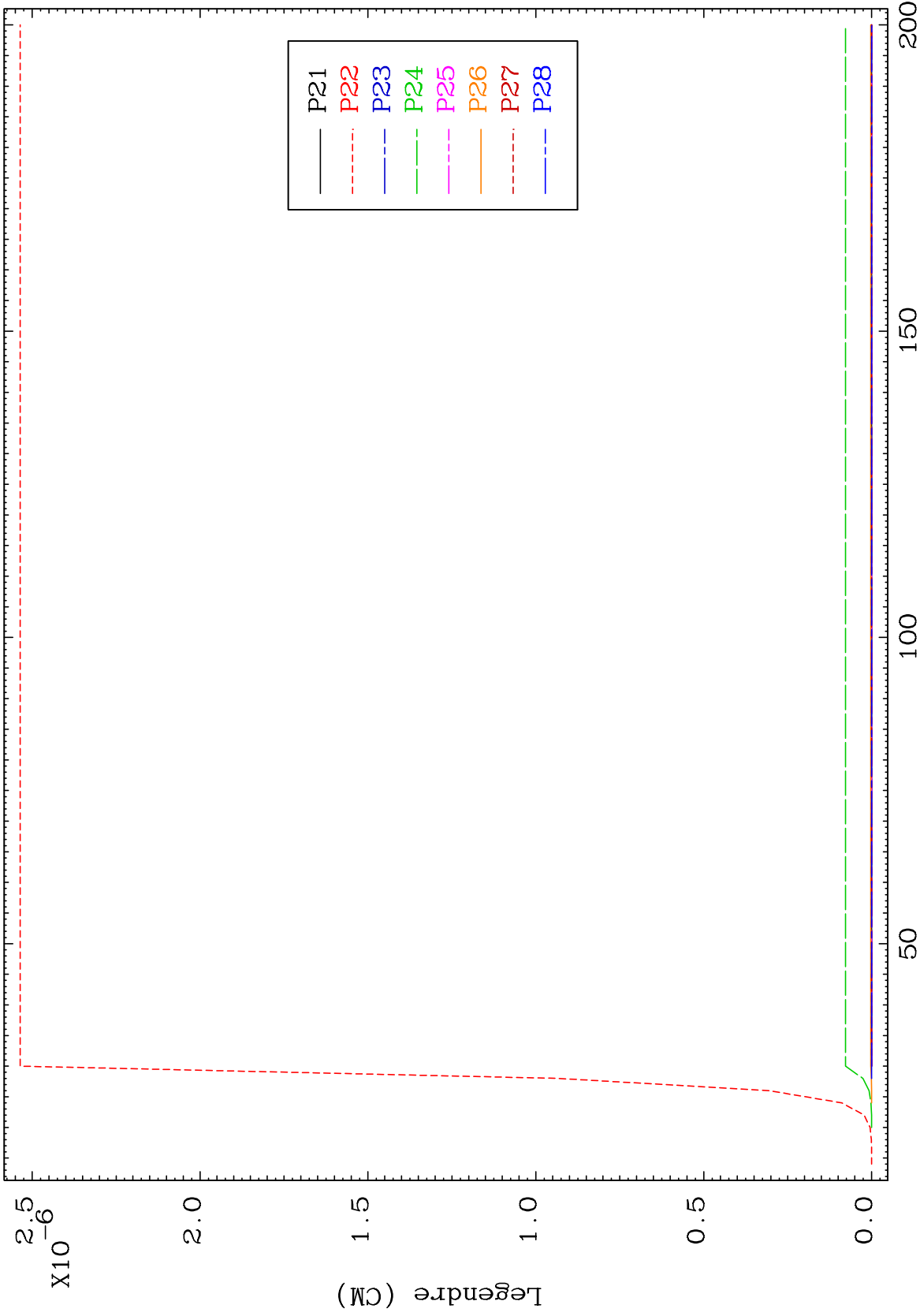
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



56

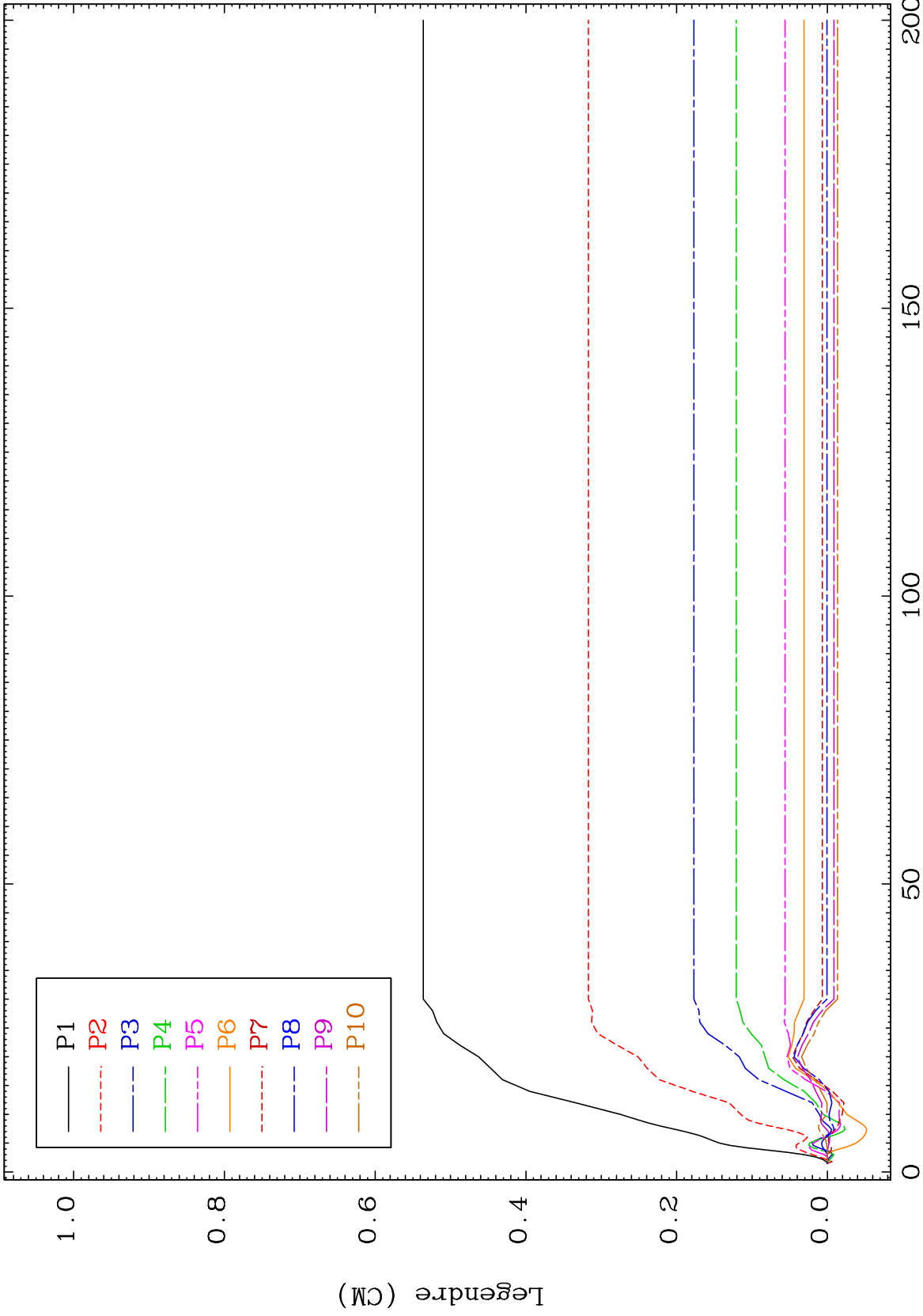
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



57

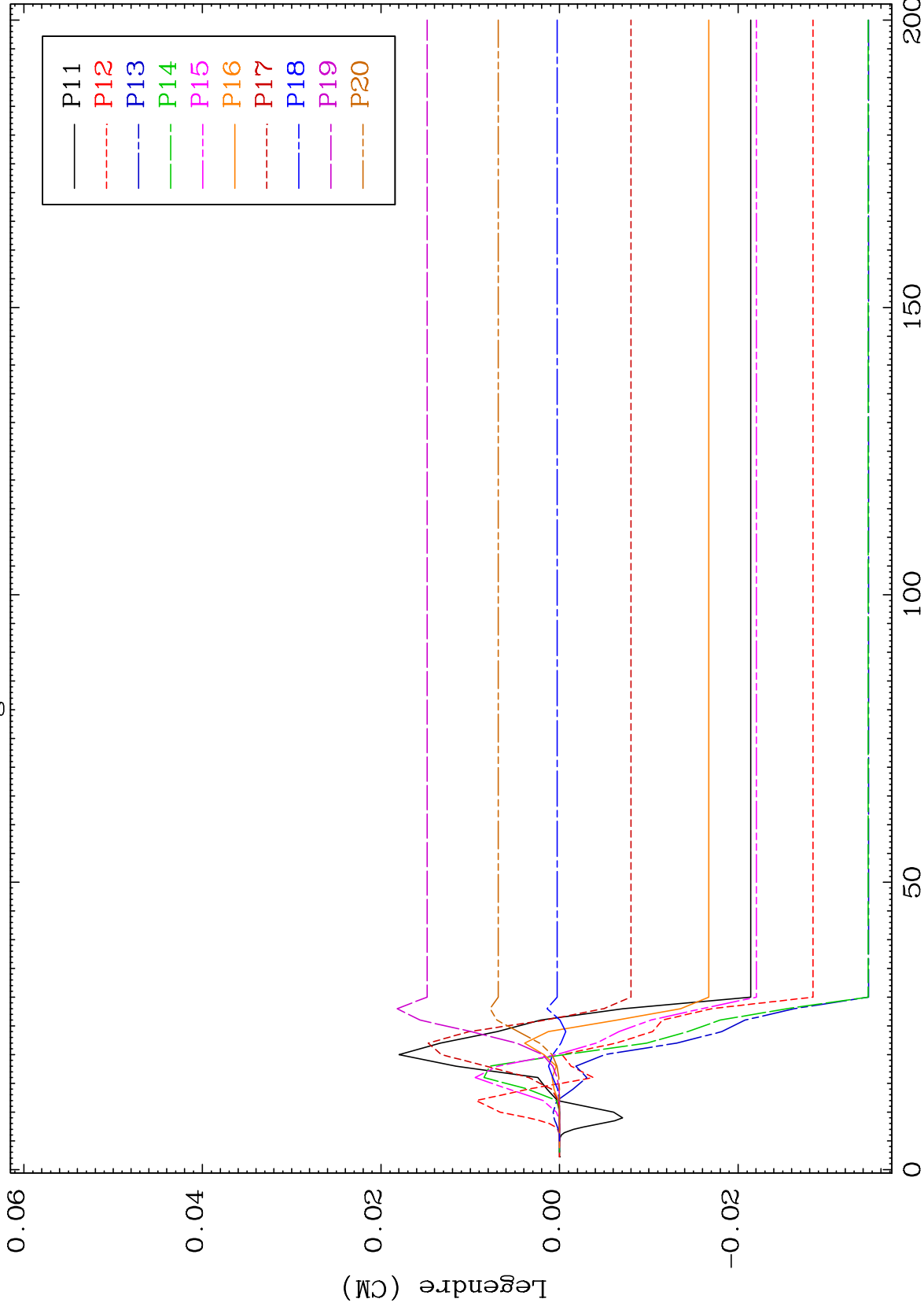
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



58

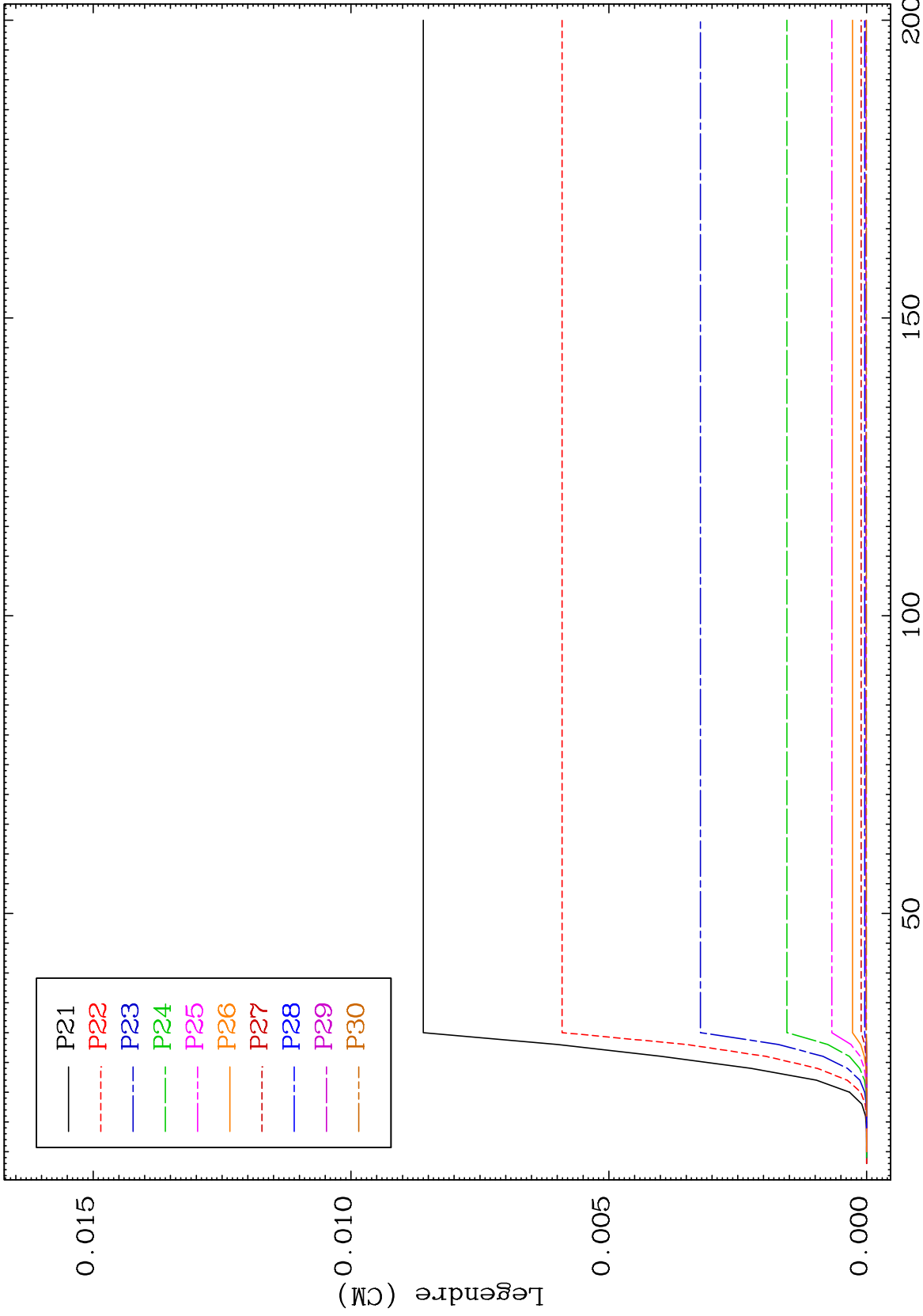
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



59

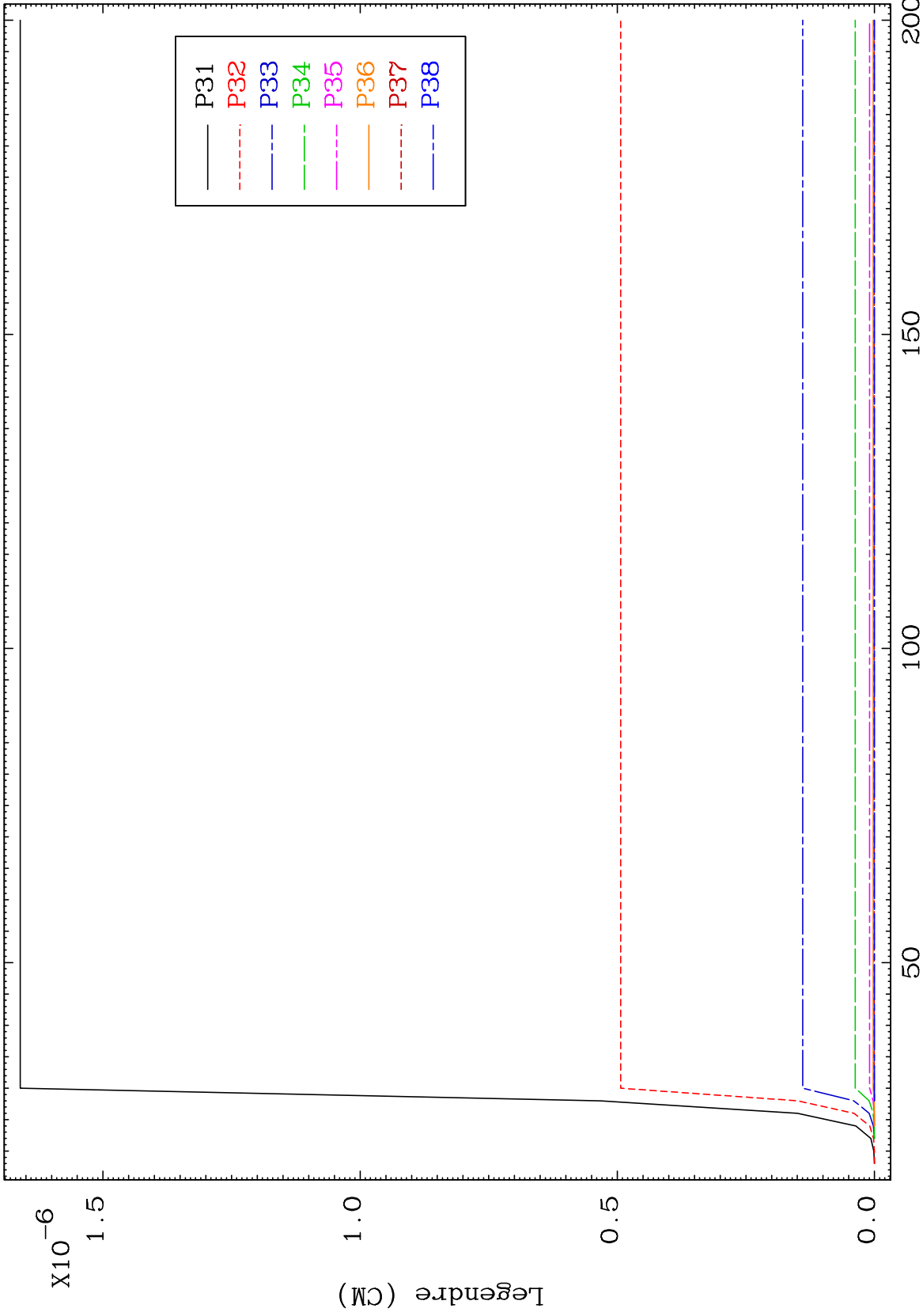
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



60

Incident Energy (MeV)

150

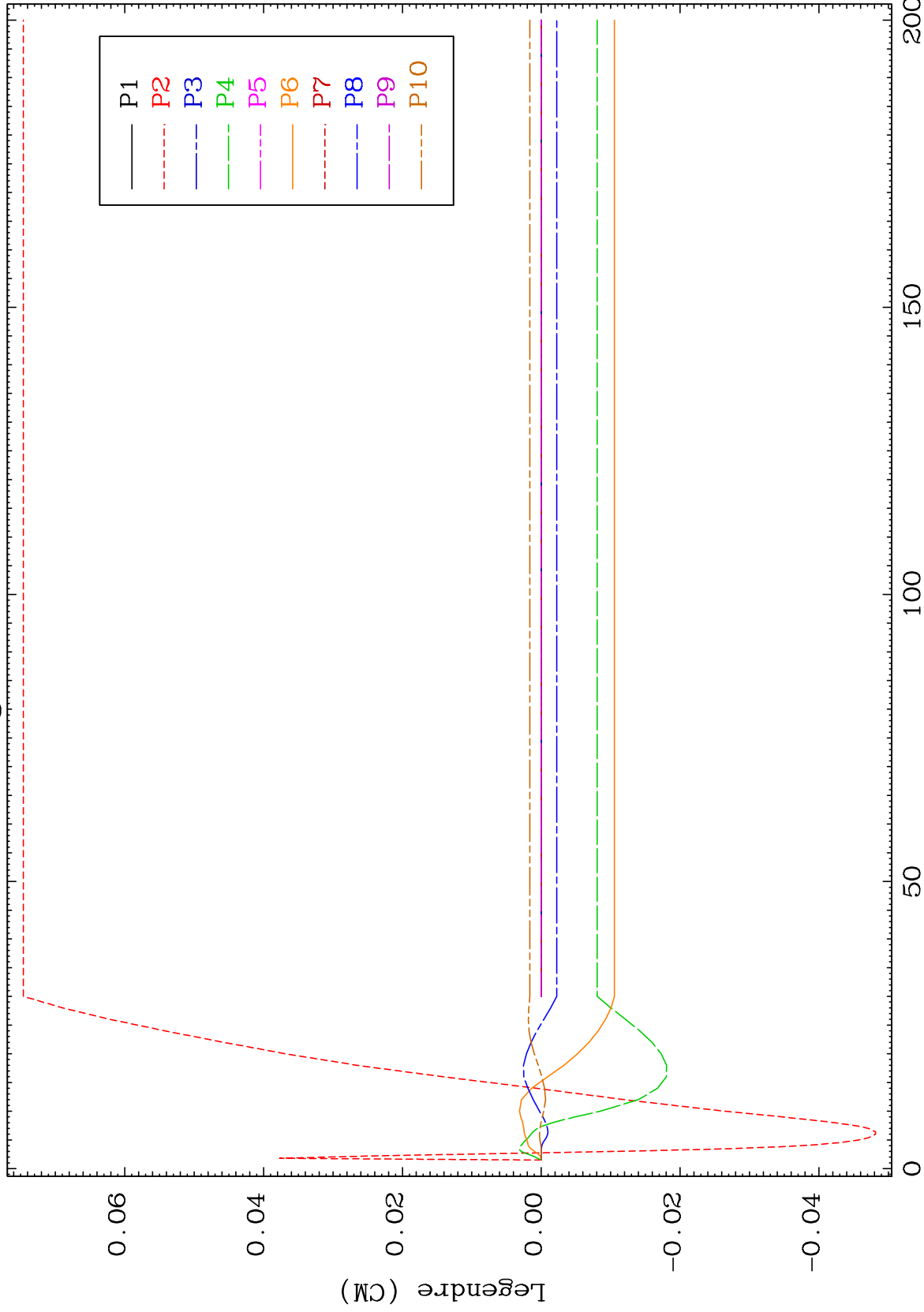
200

78-Pt-192

MAT 7831

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

78-Pt-192



61

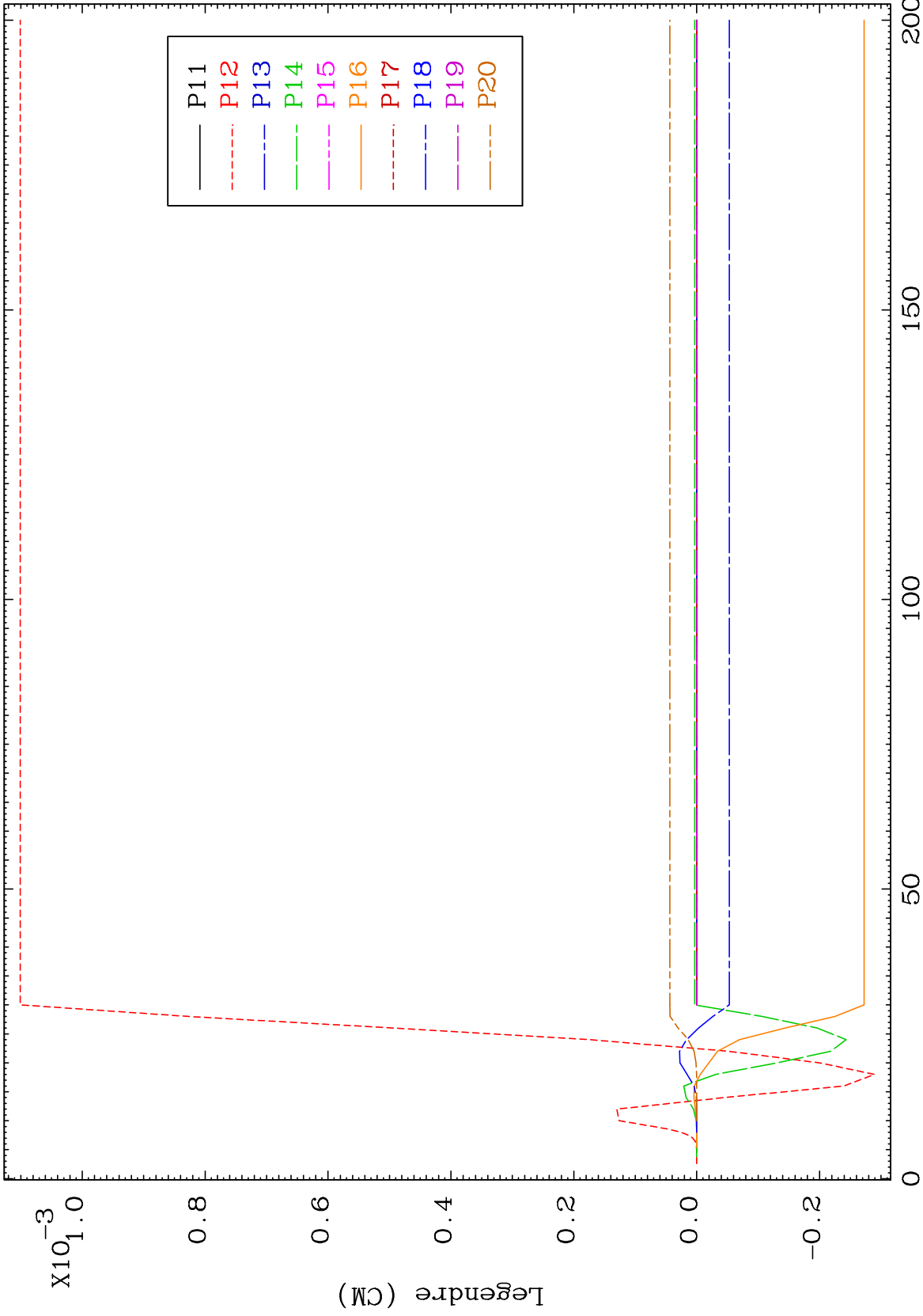
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



62

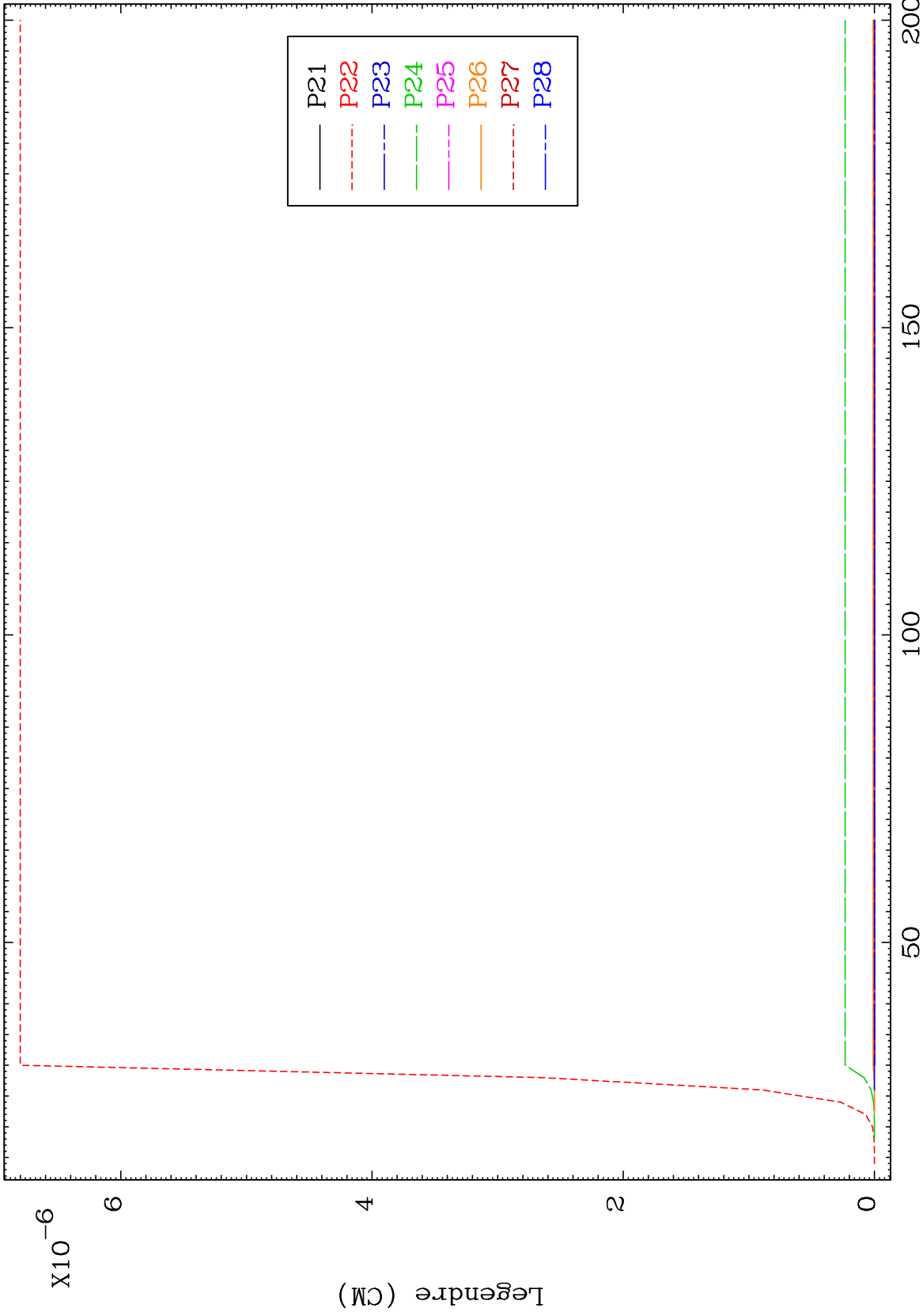
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



63

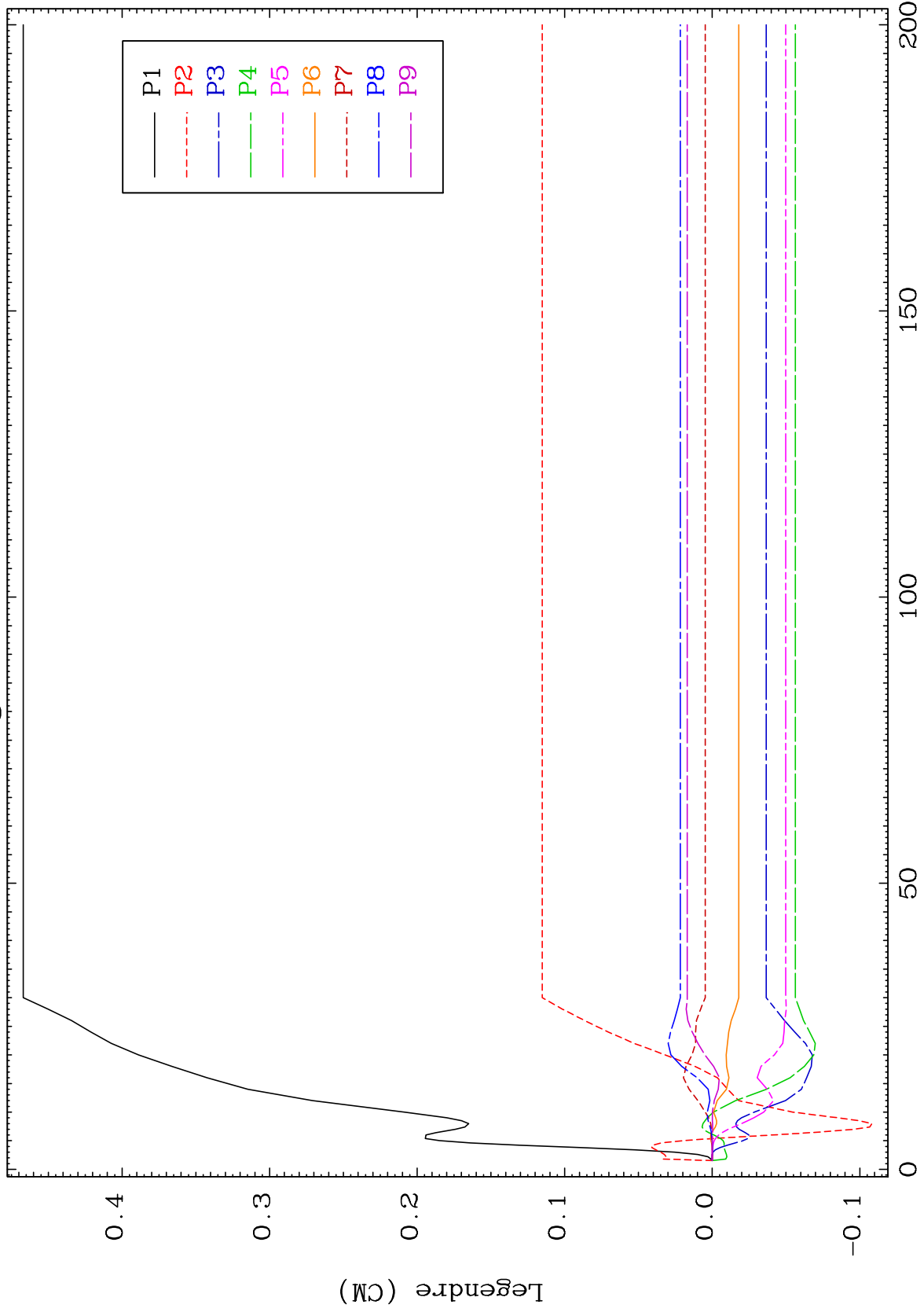
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



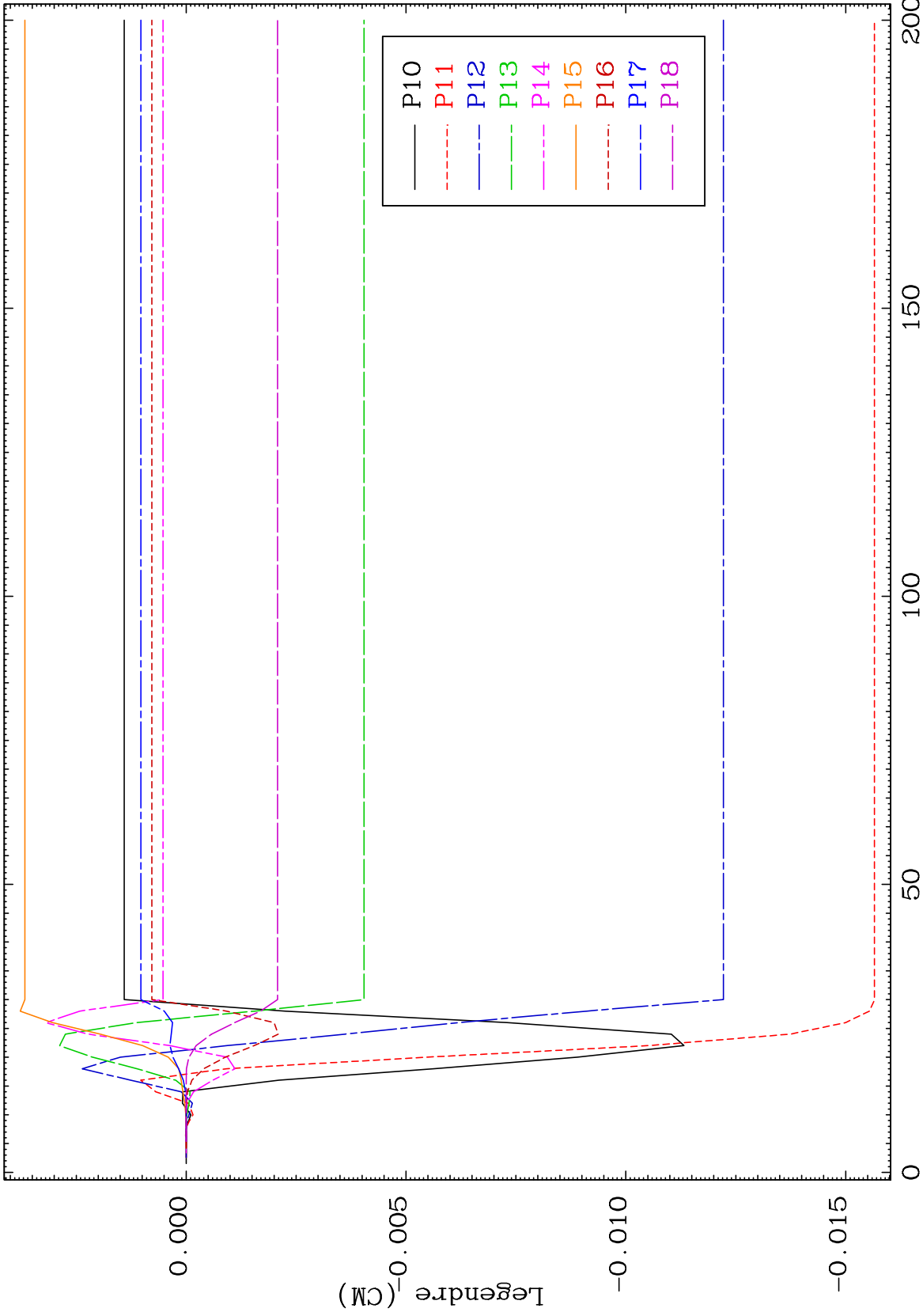
64

78-Pt-192

MAT 7831

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

78-Pt-192



65

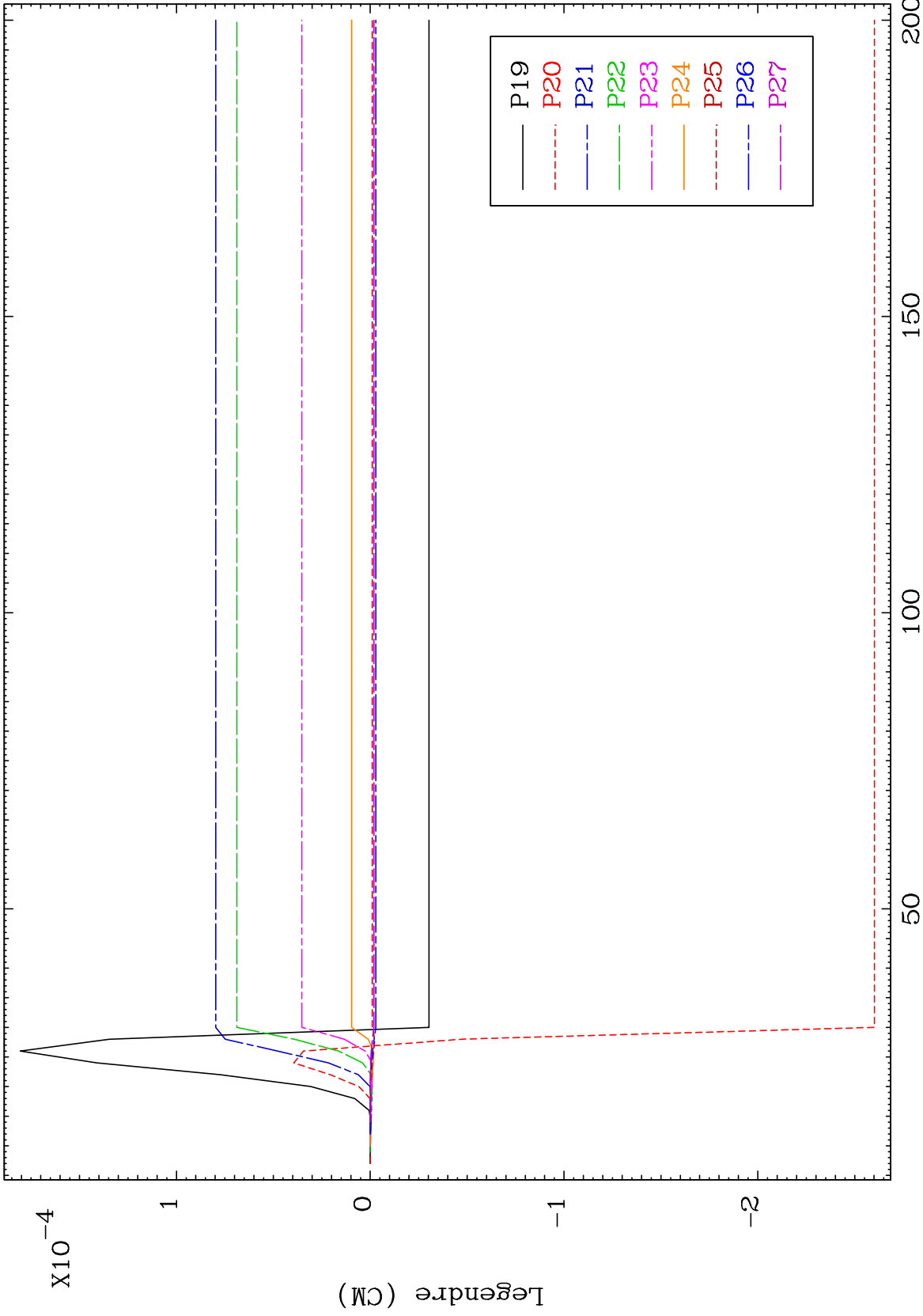
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



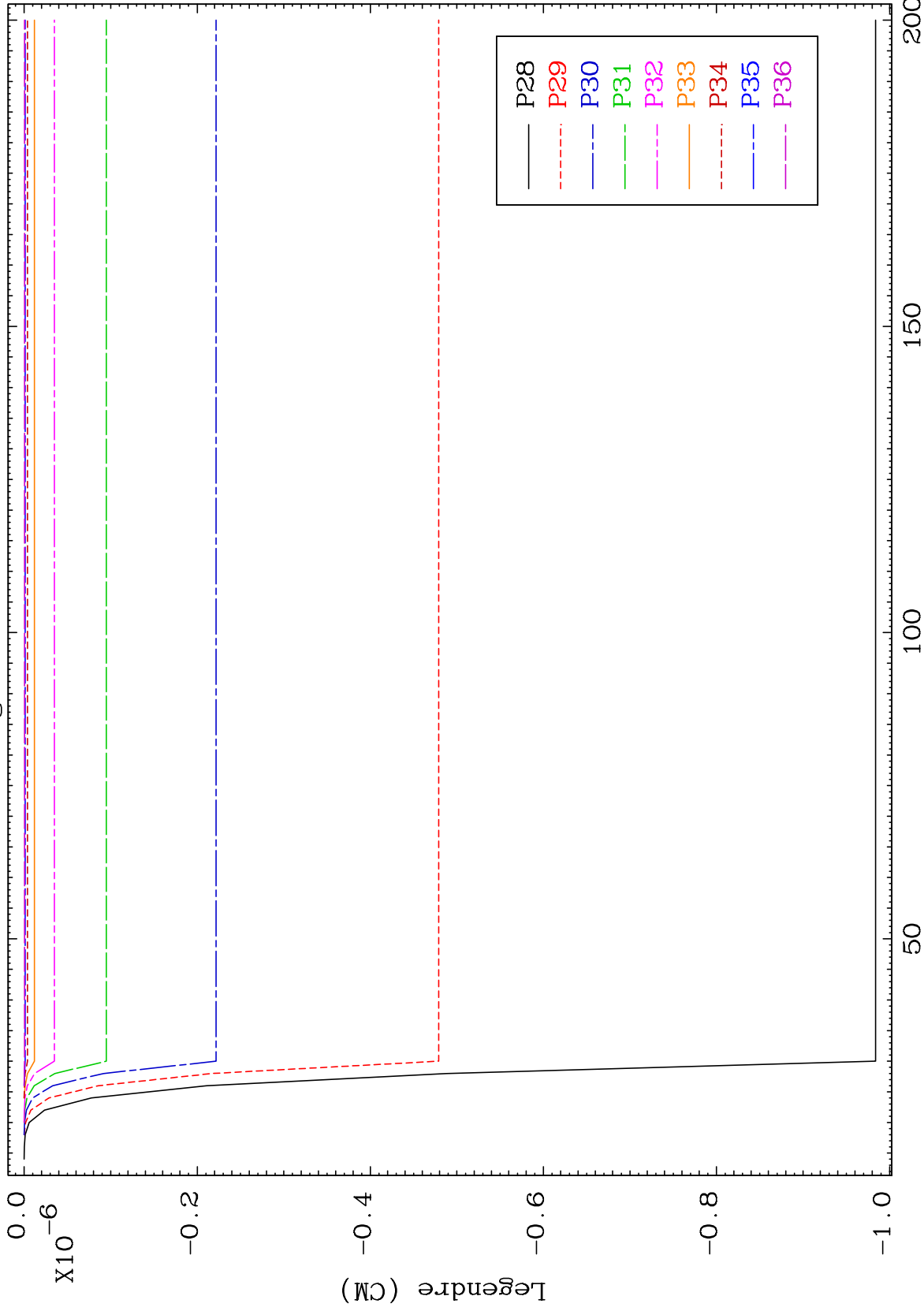
66

78-Pt-192

MAT 7831

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

78-Pt-192

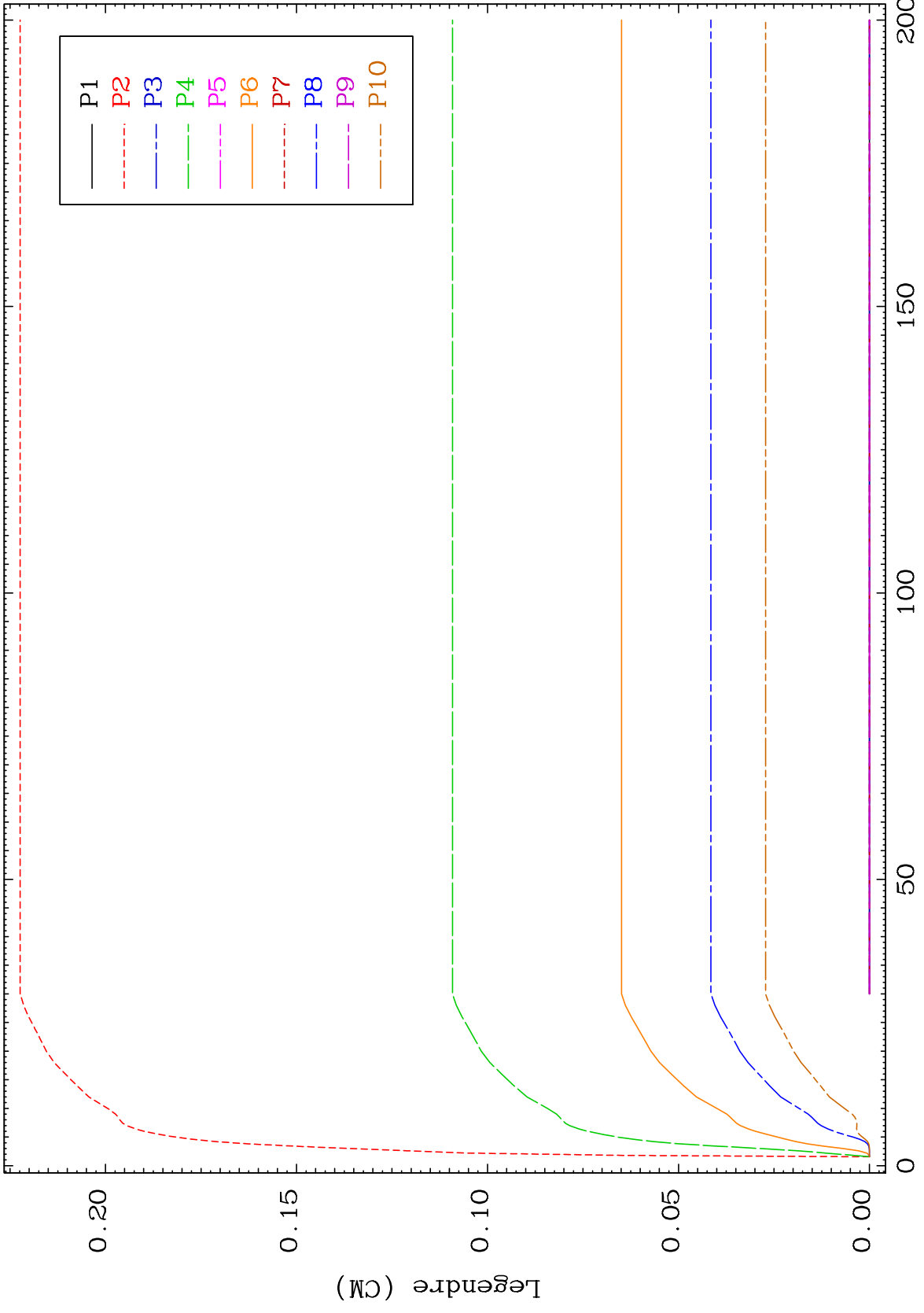


67

Incident Energy (MeV)

78-Pt-192

MAT 7831 MT= 64 (n,n') Level Legendre Coefficients 78-Pt-192

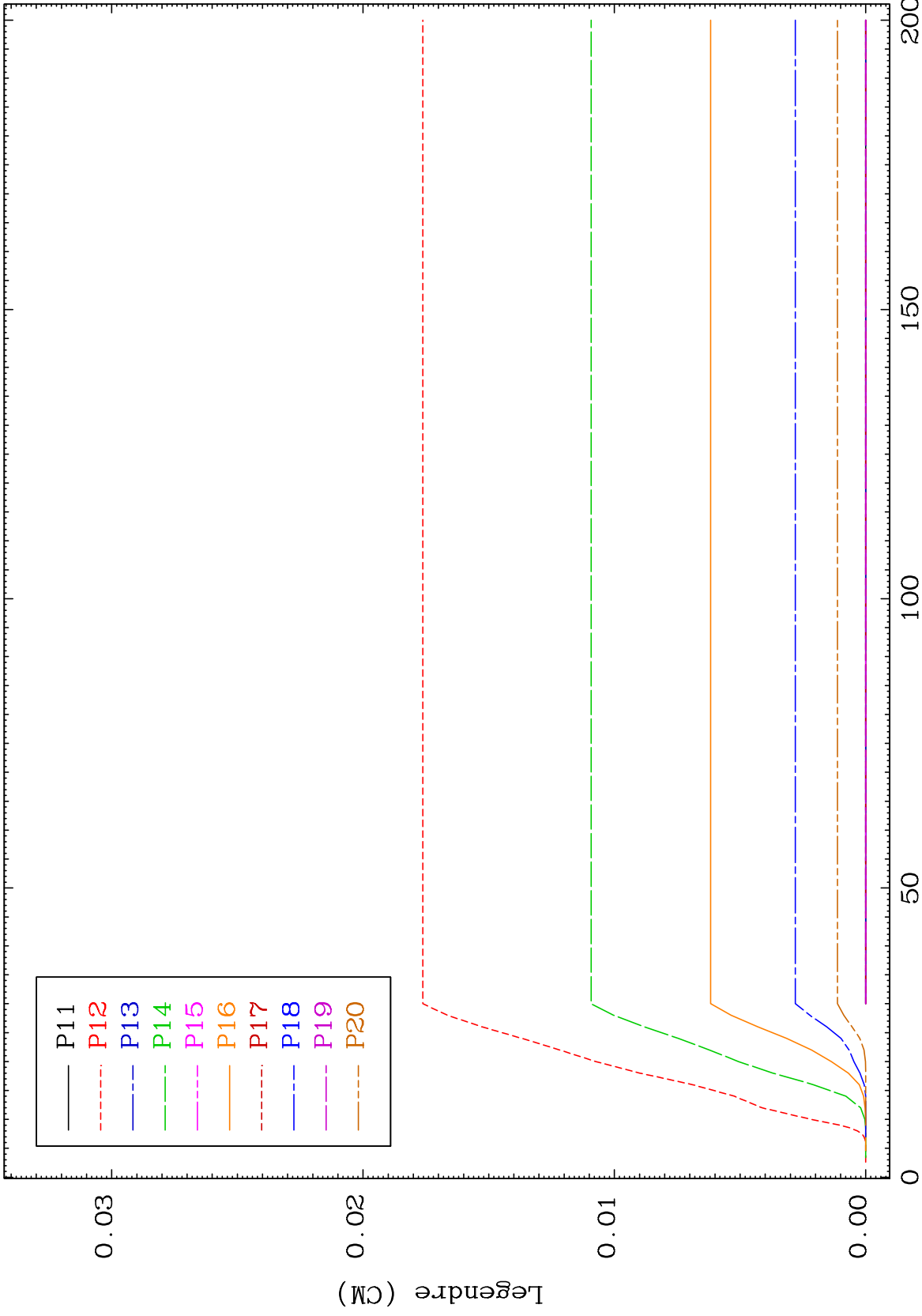


68 78-Pt-192

MAT 7831

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

78-Pt-192

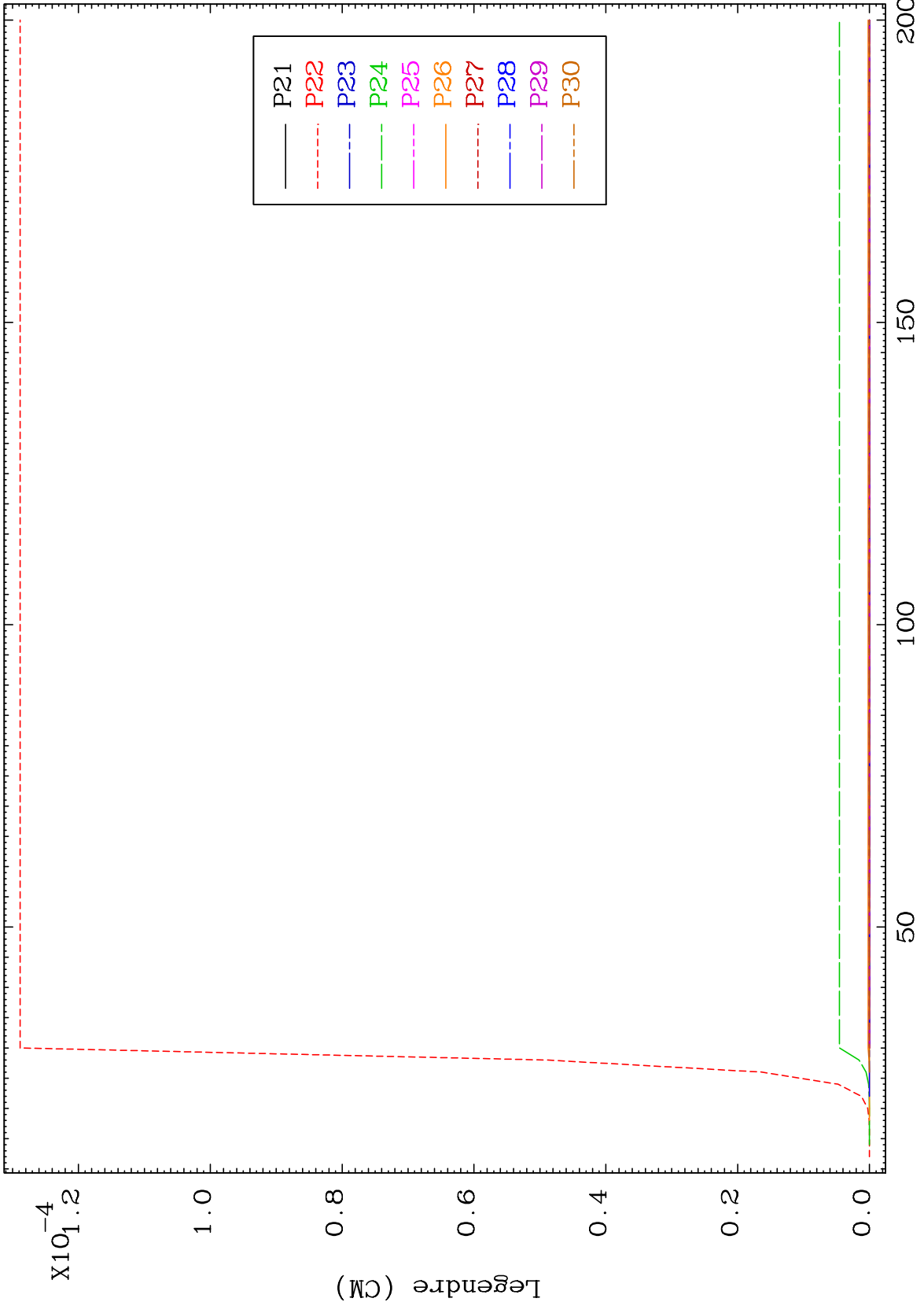


69

Incident Energy (MeV)

78-Pt-192

MAT 7831 MT= 64 (n,n') Level Legendre Coefficients 78-Pt-192

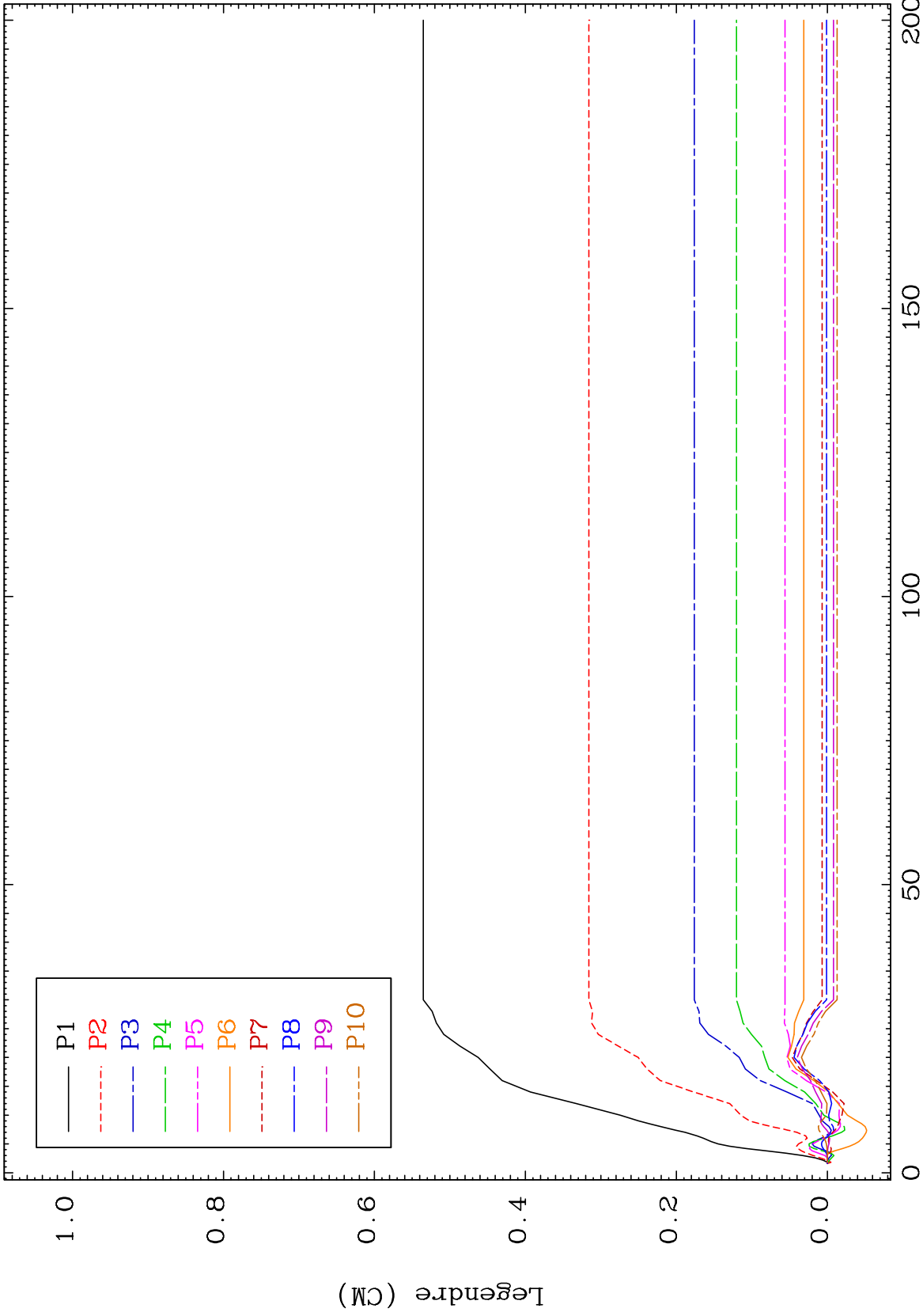


78-Pt-192

MAT 7831

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

78-Pt-192



71

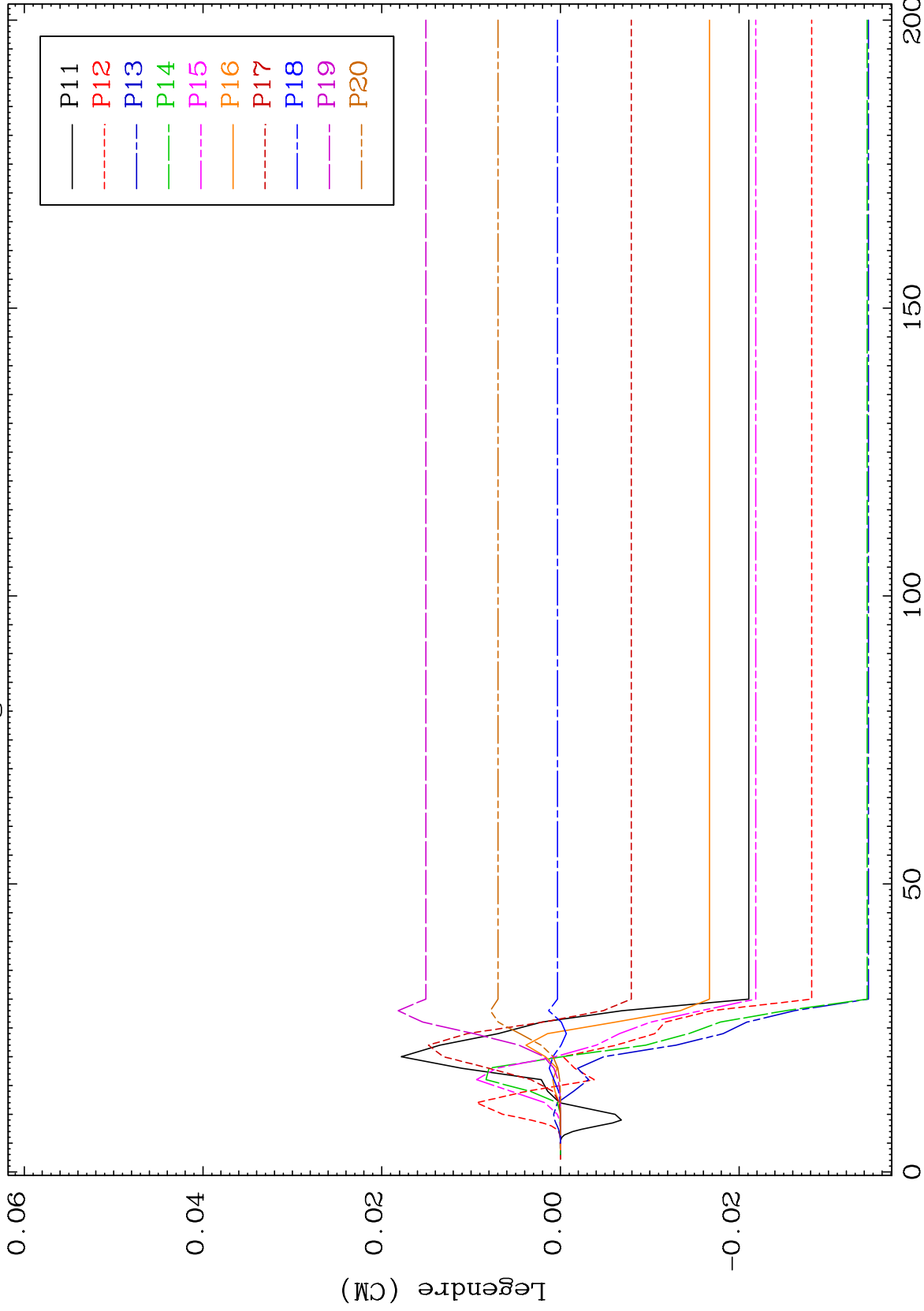
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



72

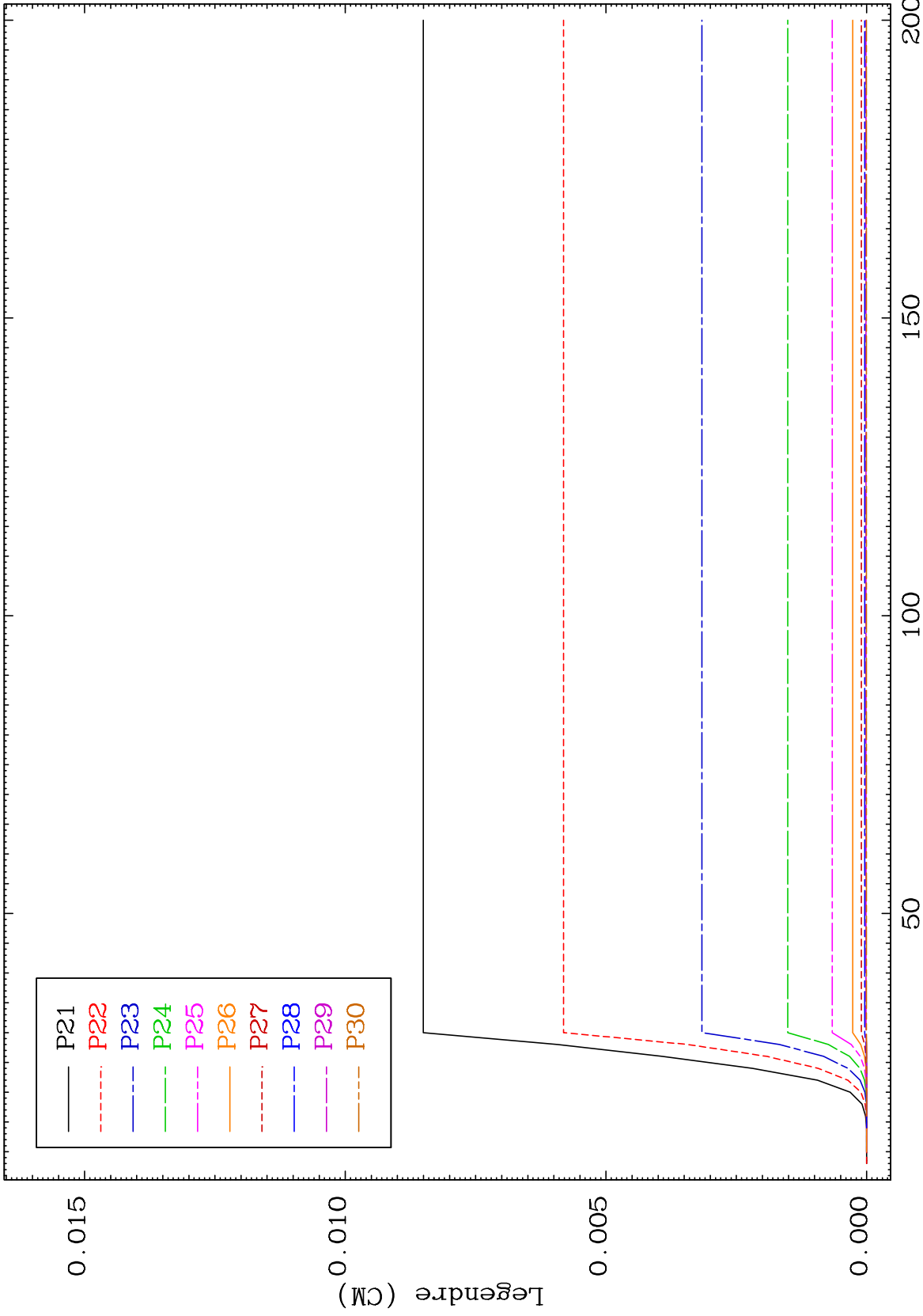
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



73

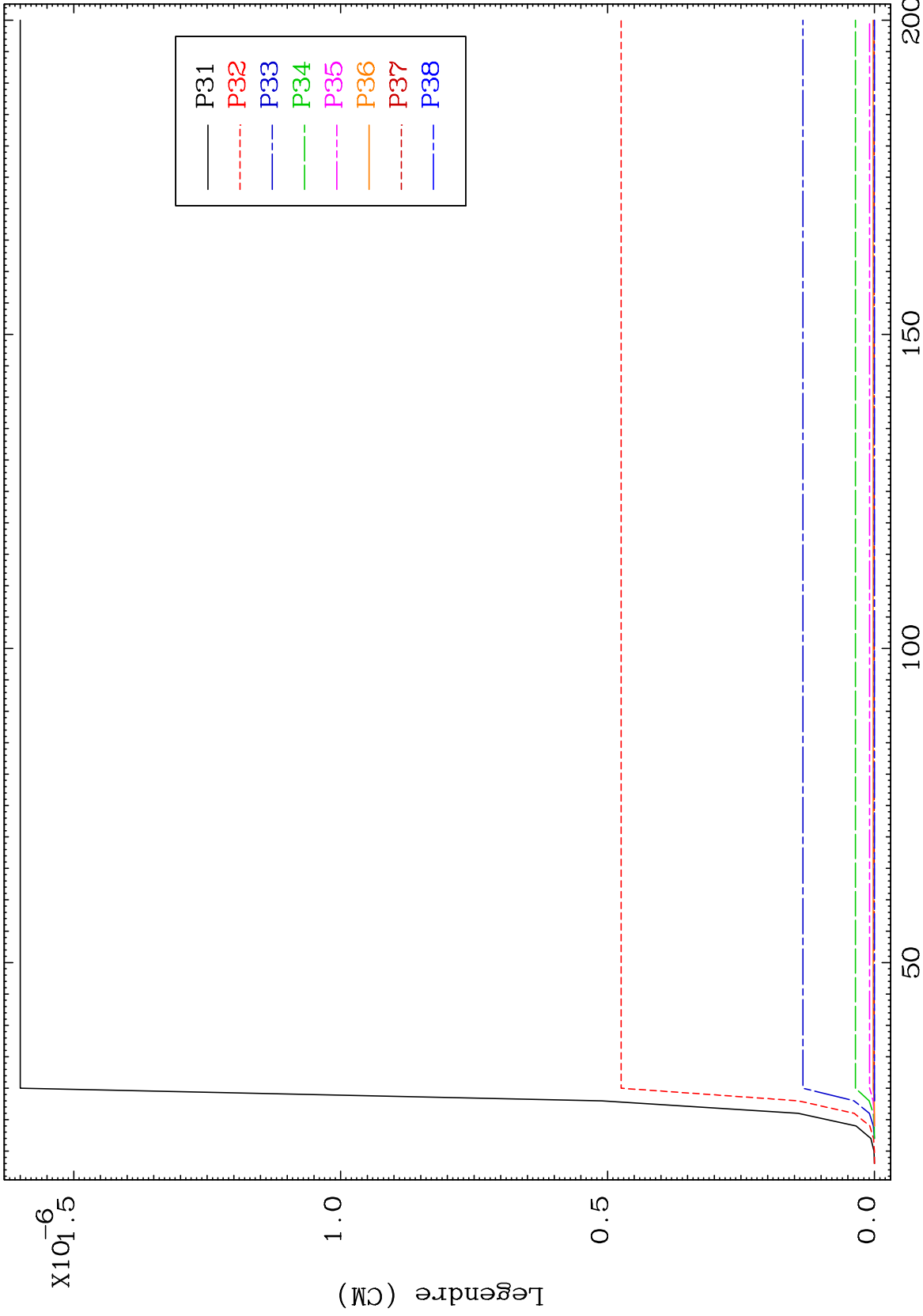
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



74

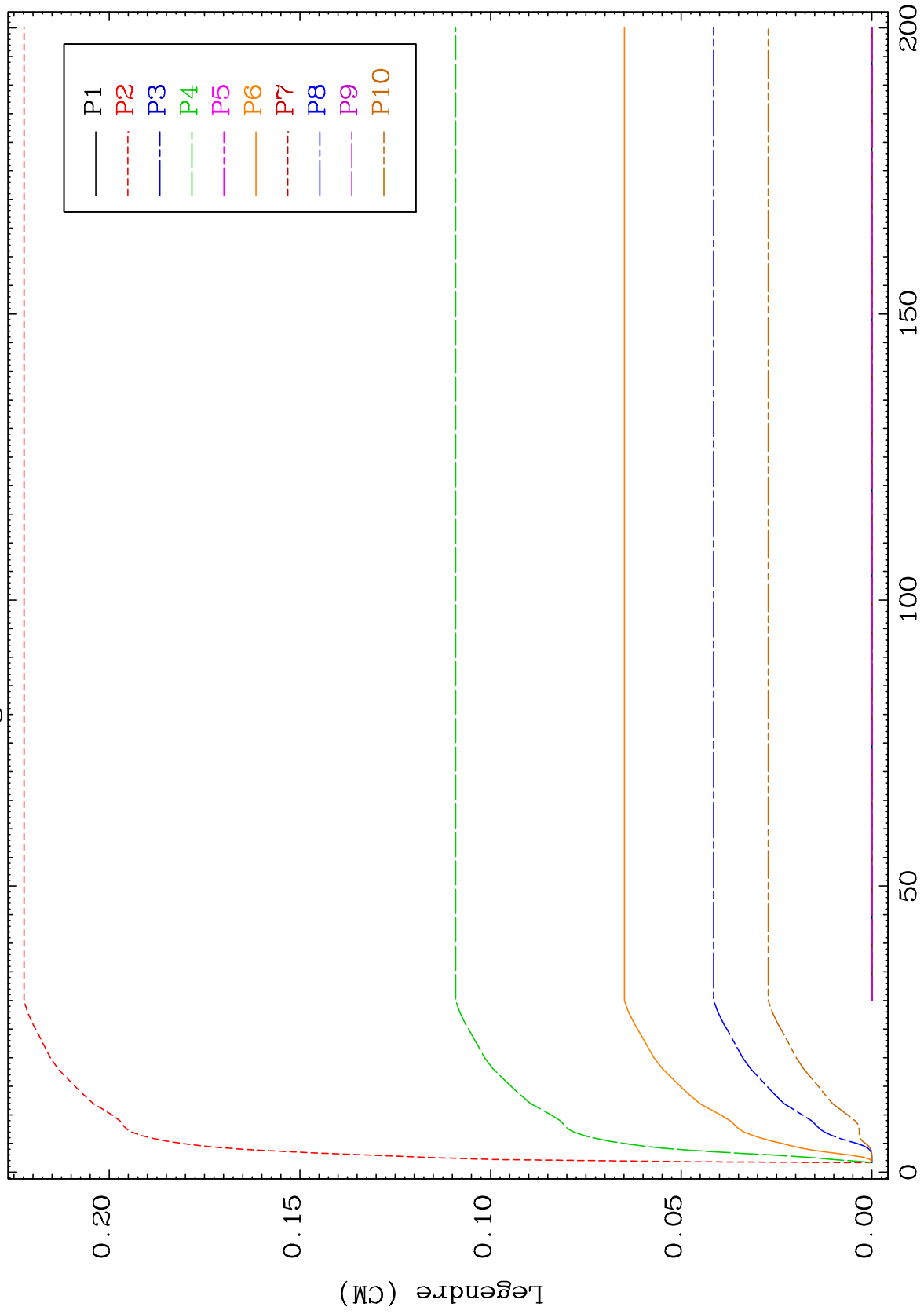
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



75

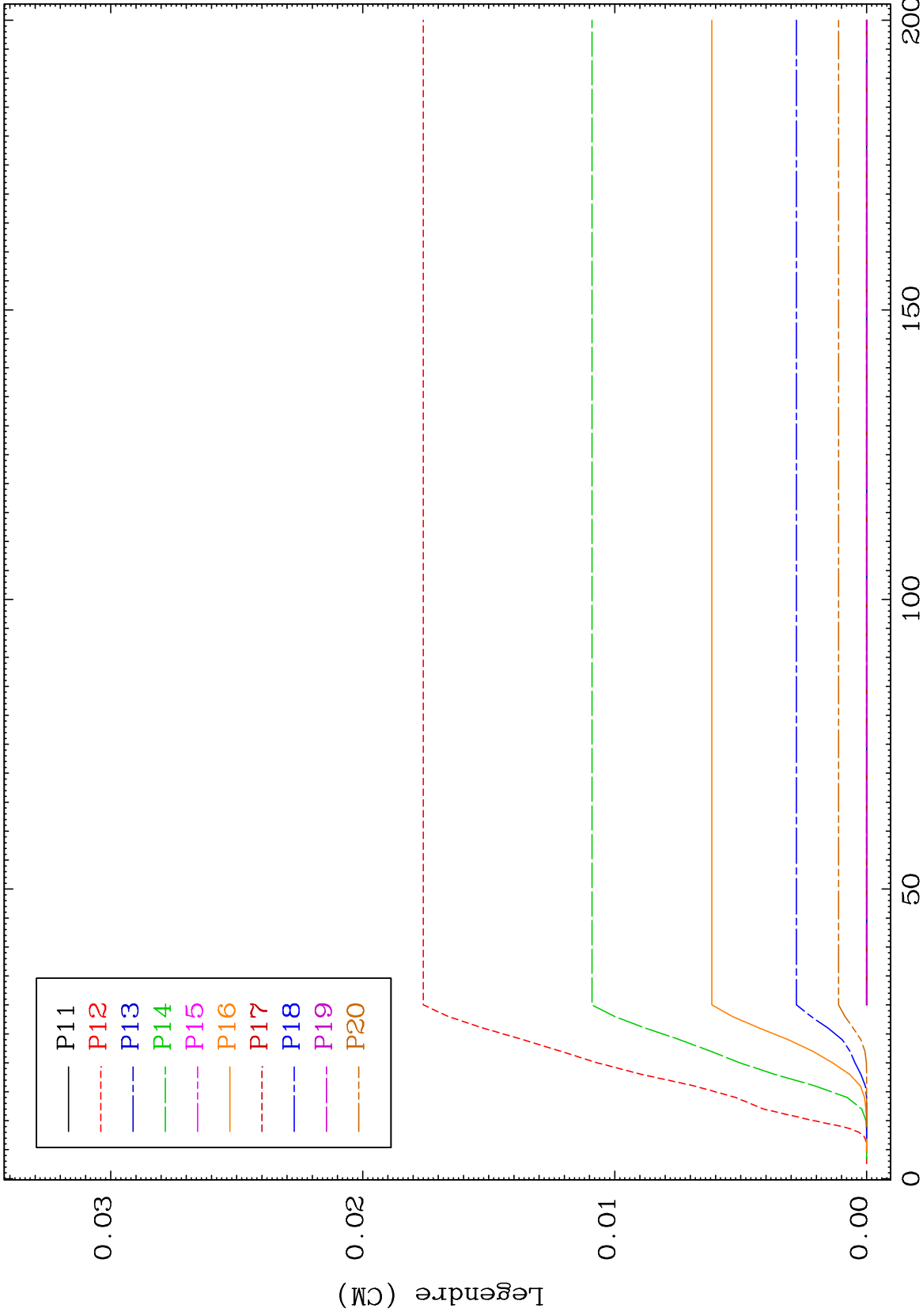
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192

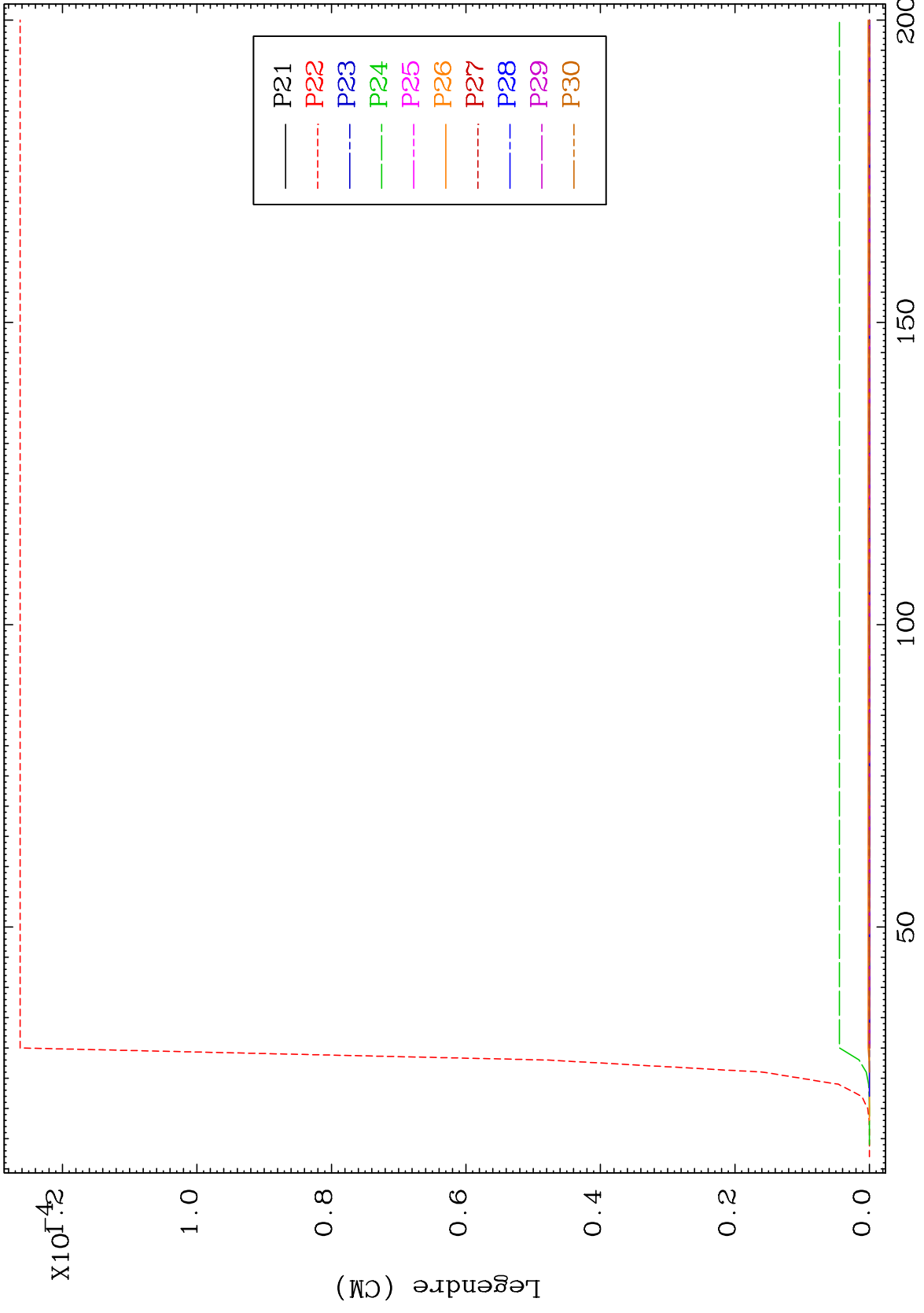


76

Incident Energy (MeV)

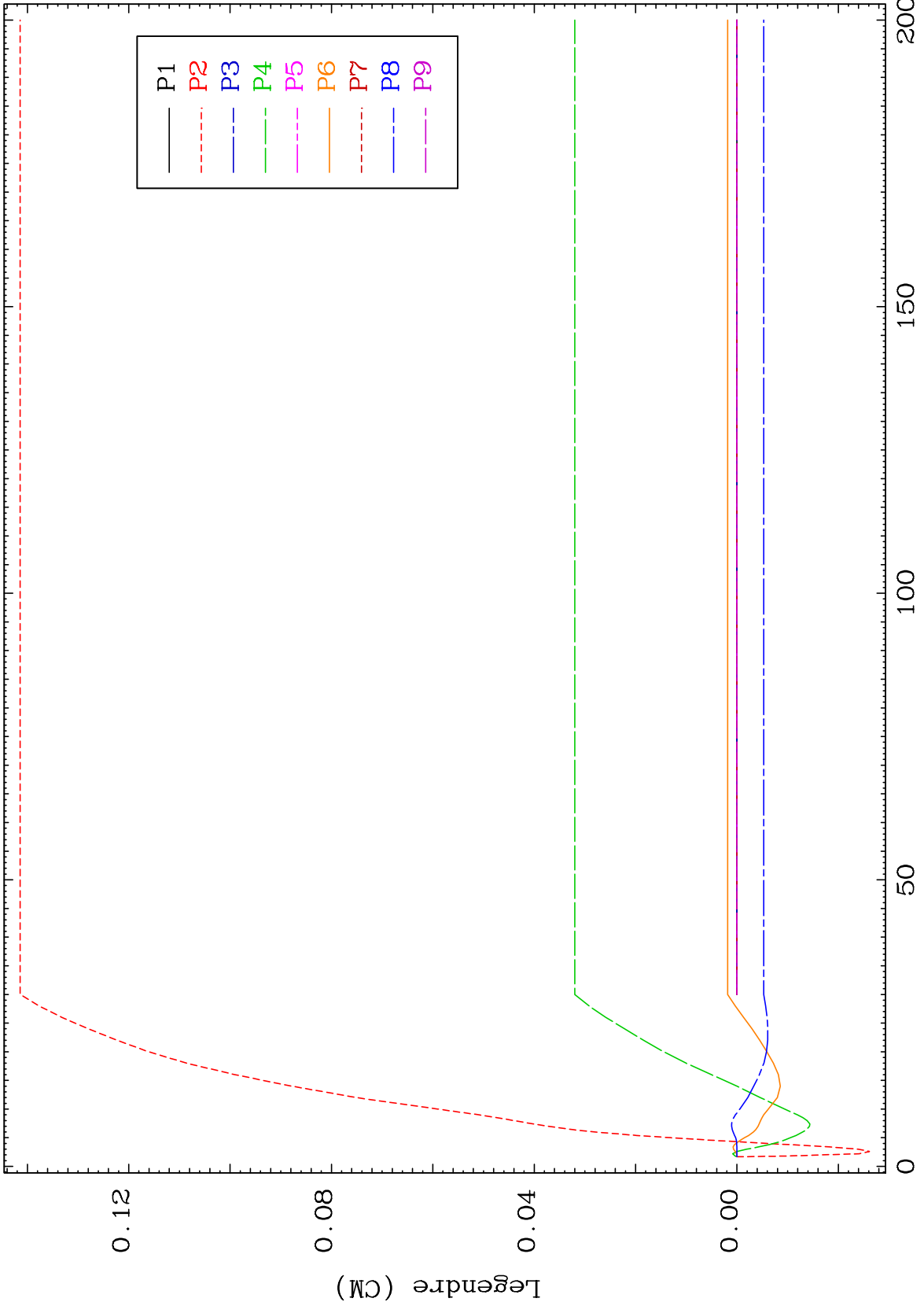
78-Pt-192

MAT 7831 MT= 66 (n,n') Level Legendre Coefficients 78-Pt-192



77 78-Pt-192

MAT 7831 MT= 67 (n,n') Level Legendre Coefficients 78-Pt-192

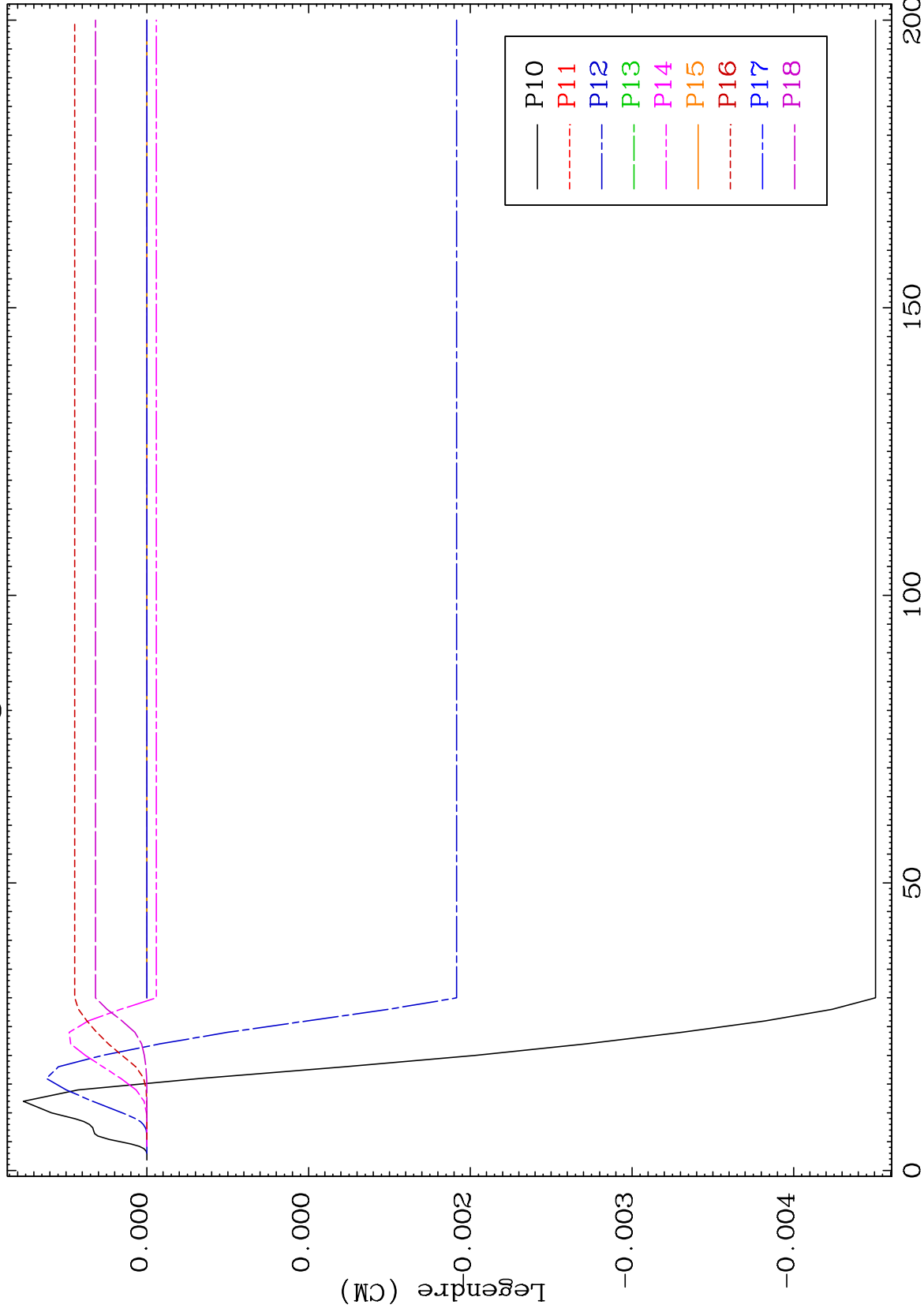


78 78-Pt-192

MAT 7831

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

78-Pt-192



79

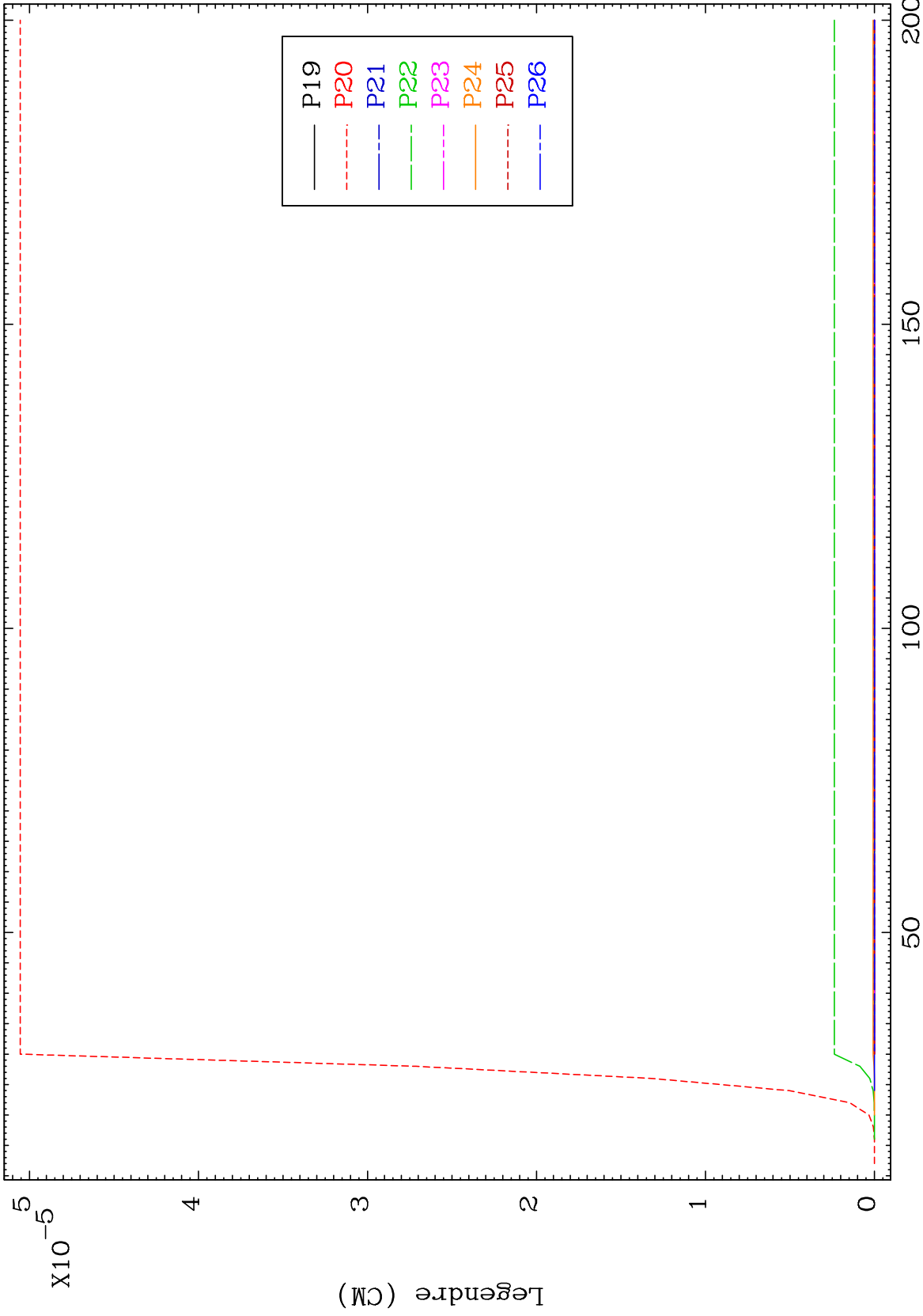
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



80

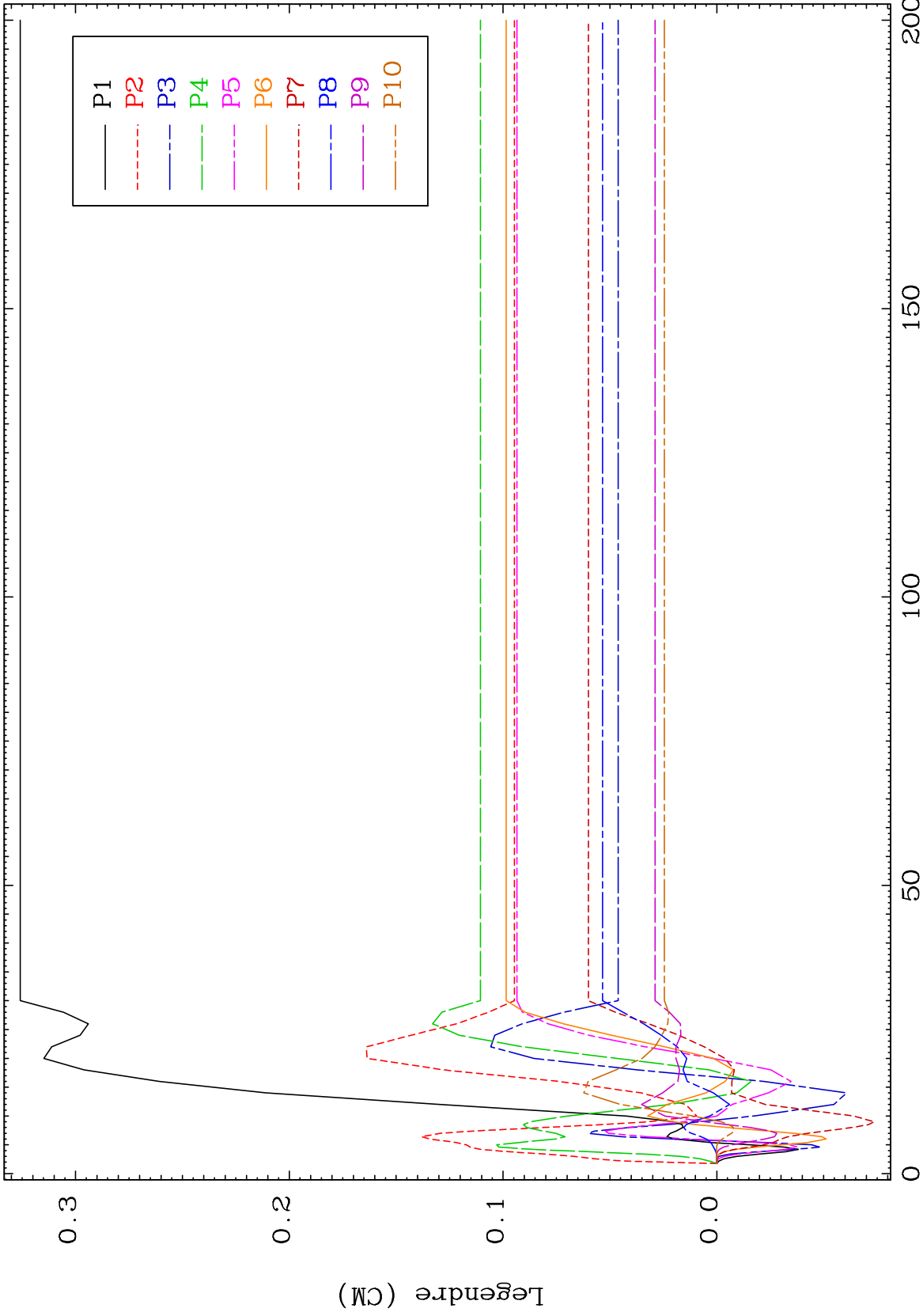
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192

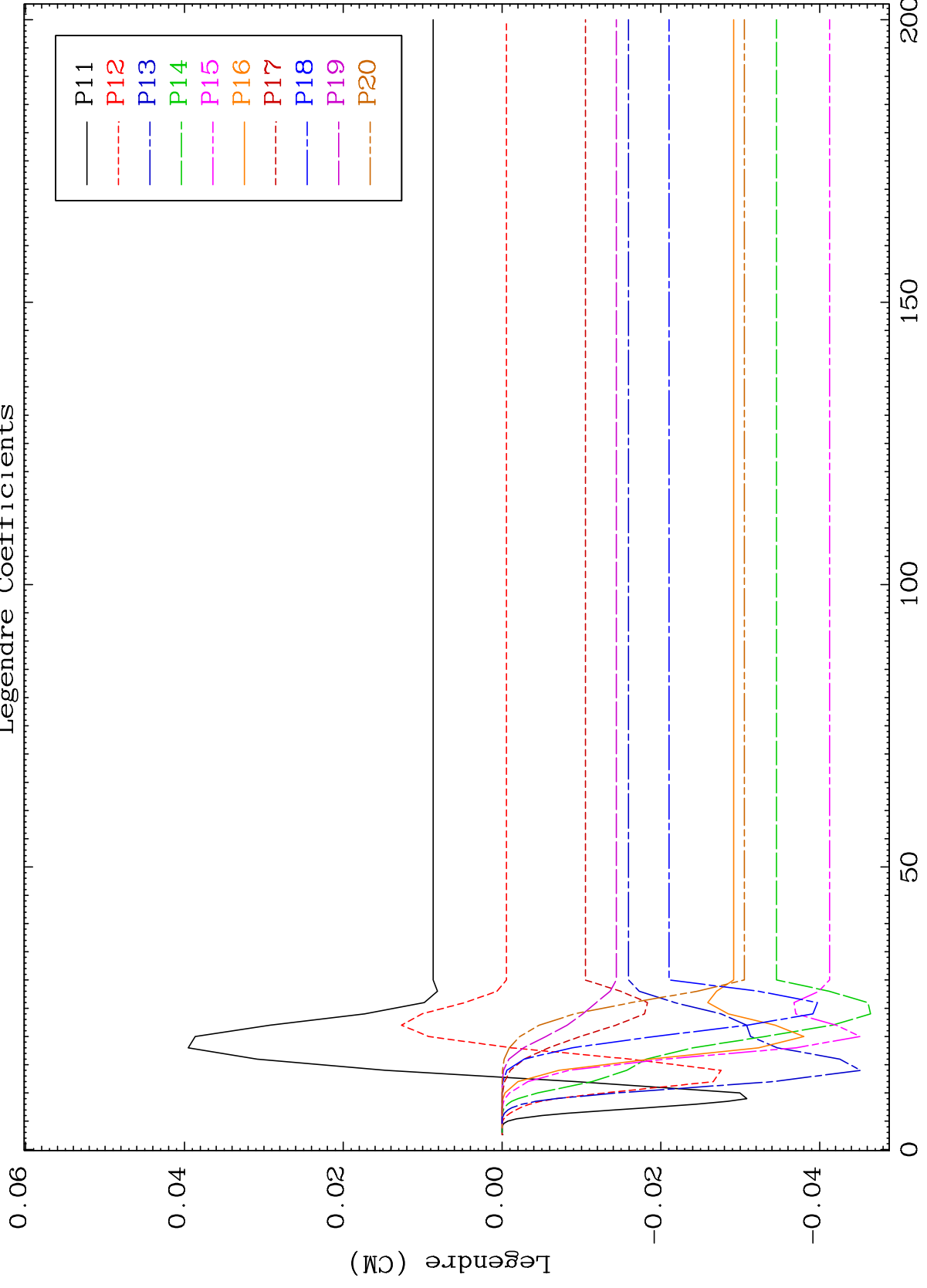


81

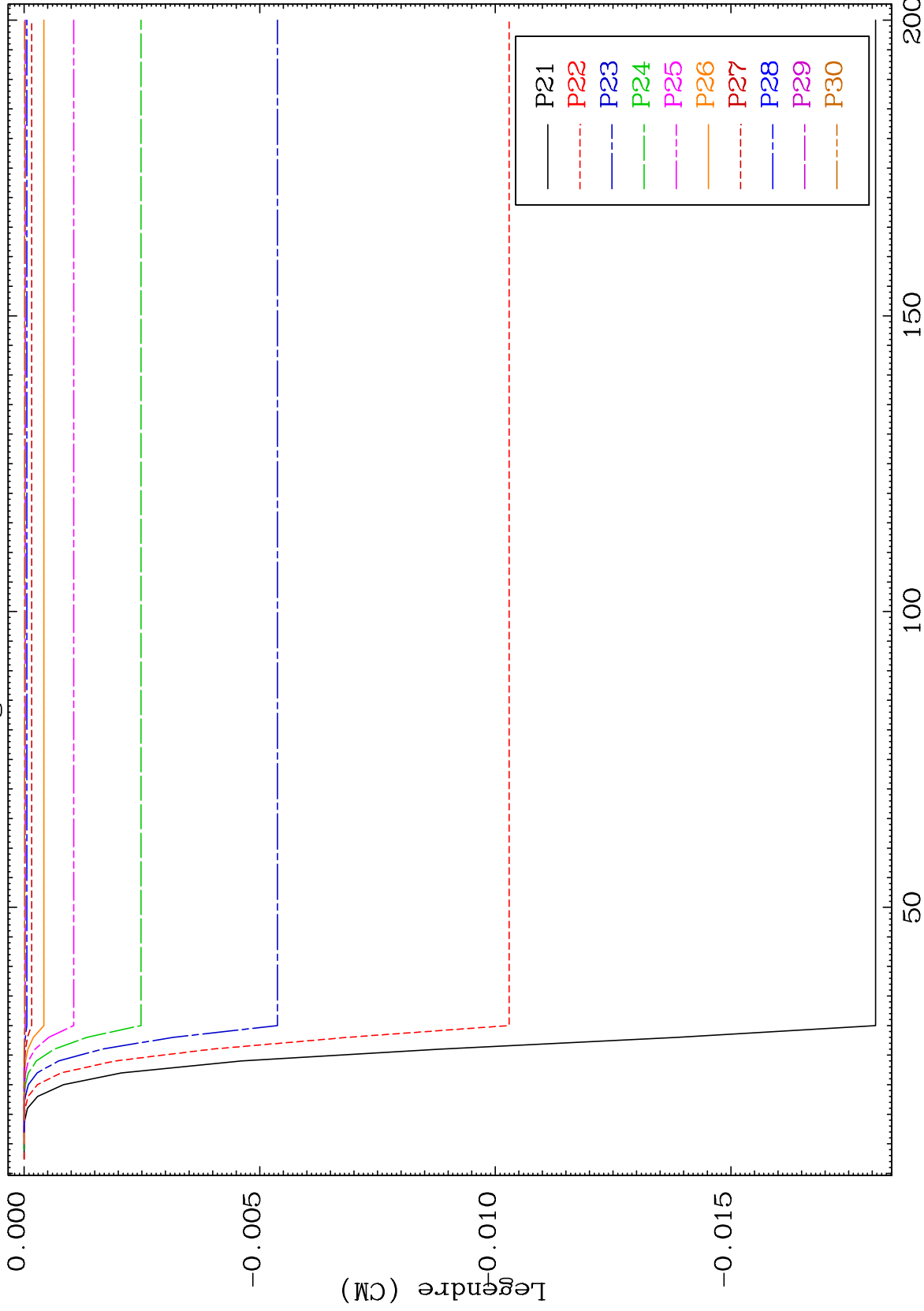
Incident Energy (MeV)

78-Pt-192

MAT 7831 MT= 68 (n,n') Level Legendre Coefficients 78-Pt-192



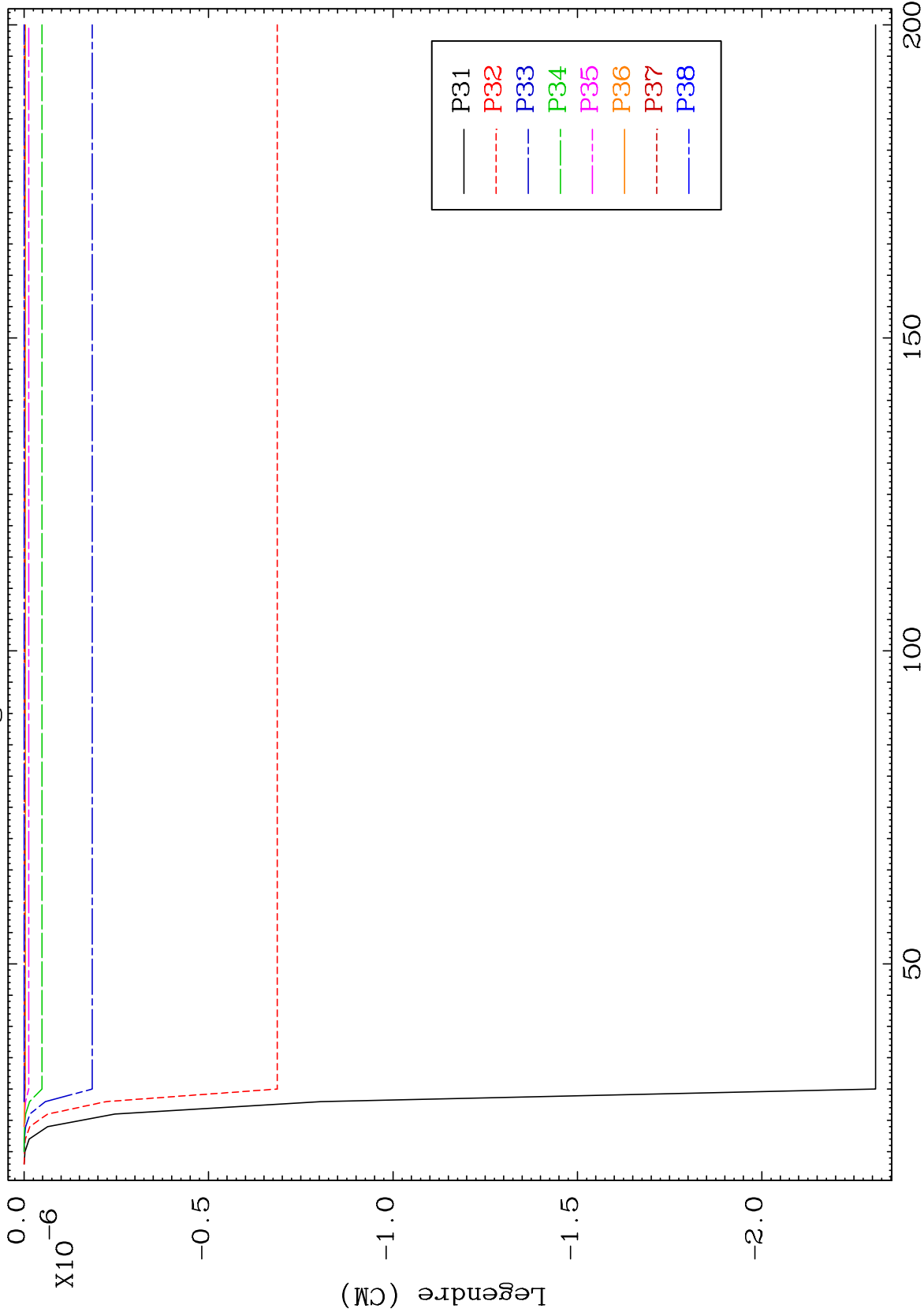
82 78-Pt-192



MAT 7831

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

78-Pt-192

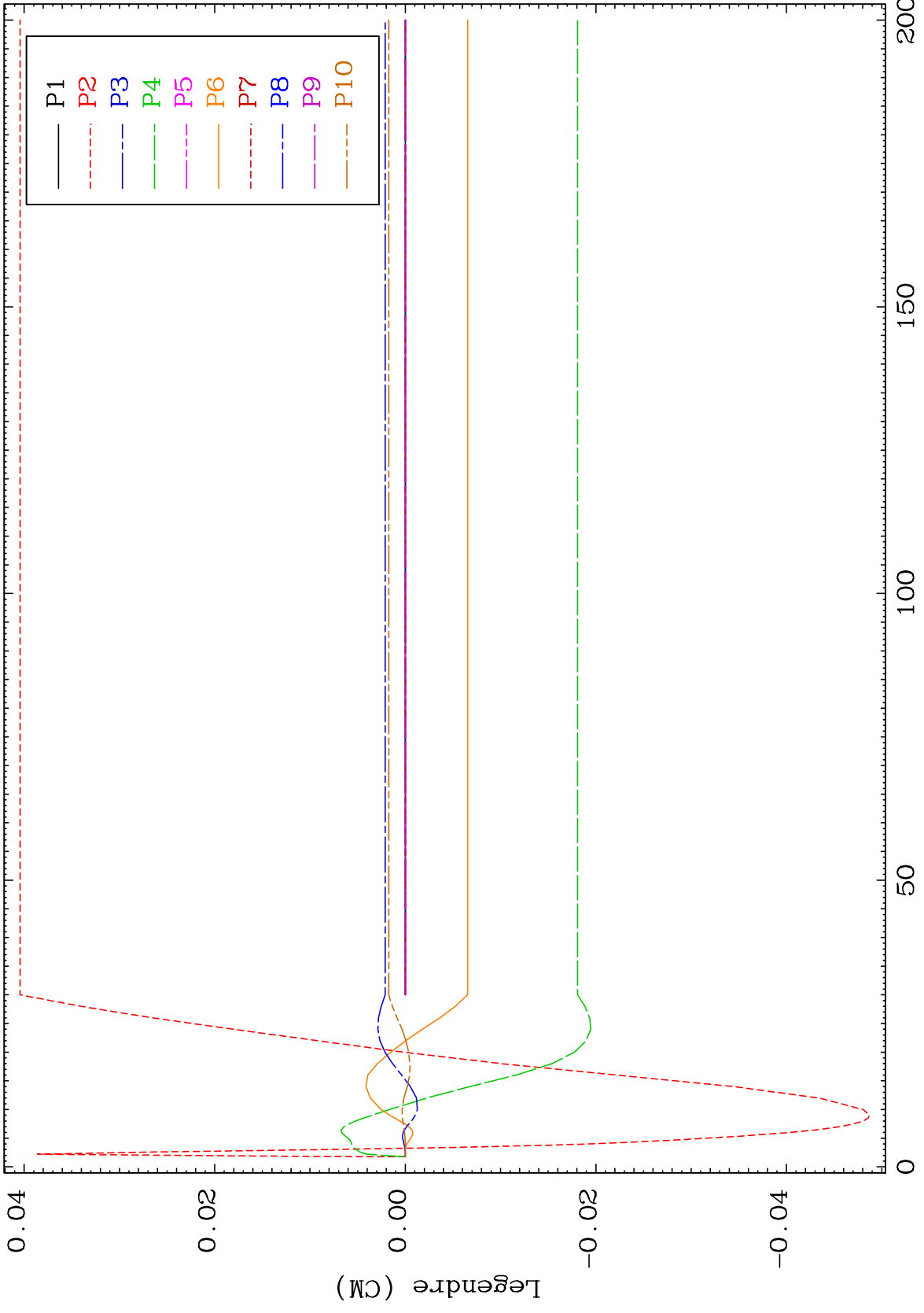


84

Incident Energy (MeV)

78-Pt-192

MAT 7831 MT= 69 (n,n') Level Legendre Coefficients 78-Pt-192

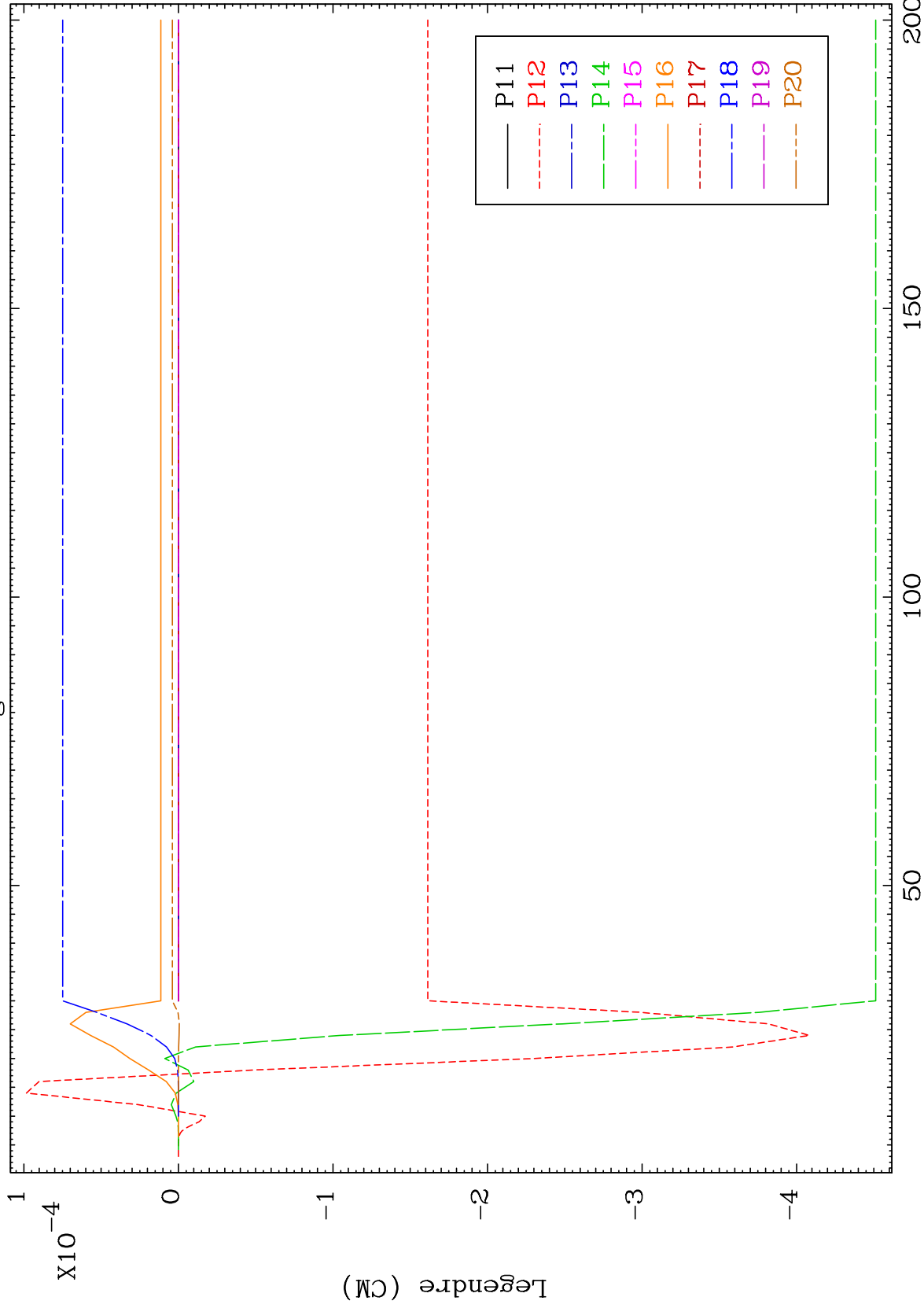


85 78-Pt-192

MAT 7831

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

78-Pt-192

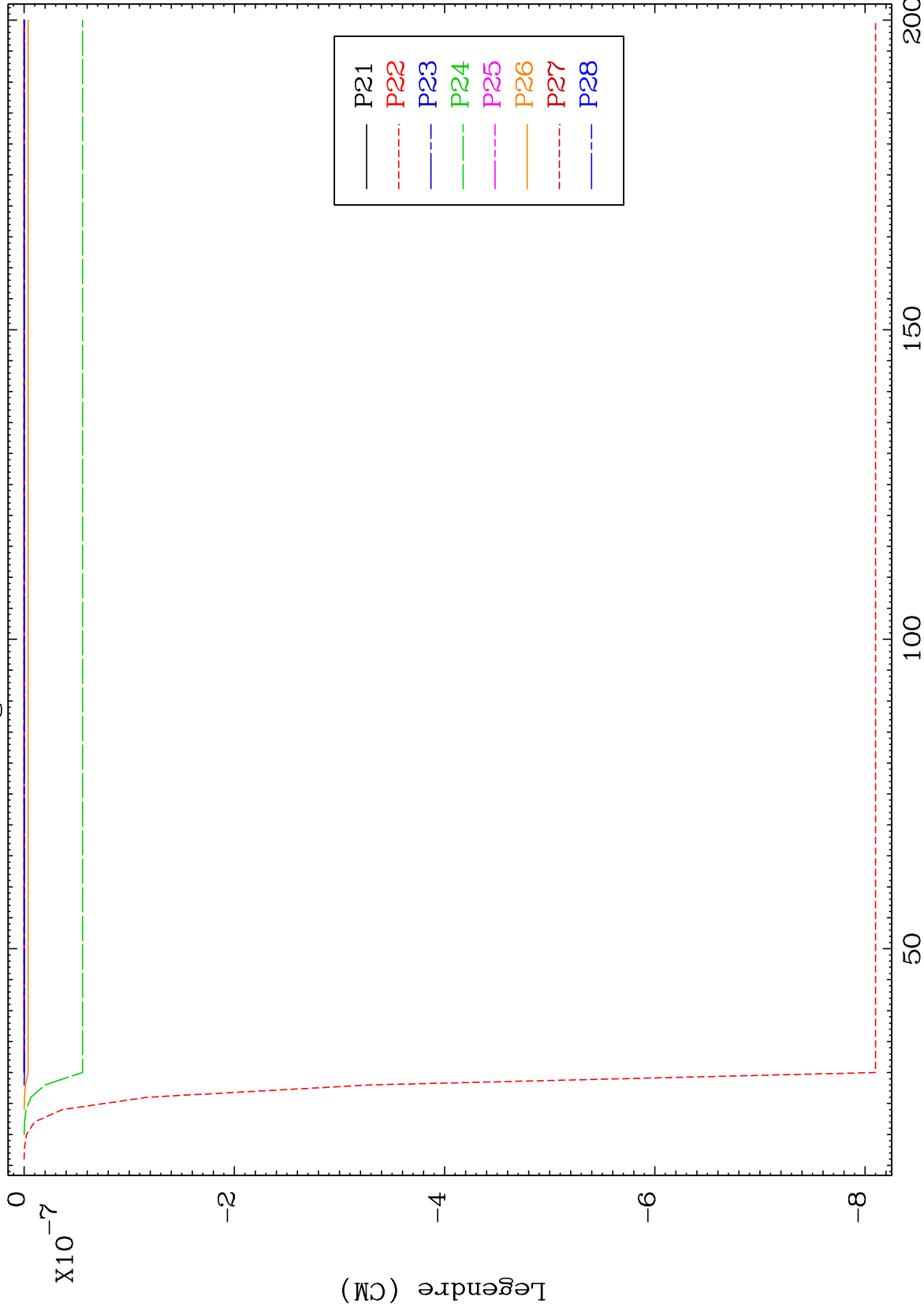


86

Incident Energy (MeV)

78-Pt-192

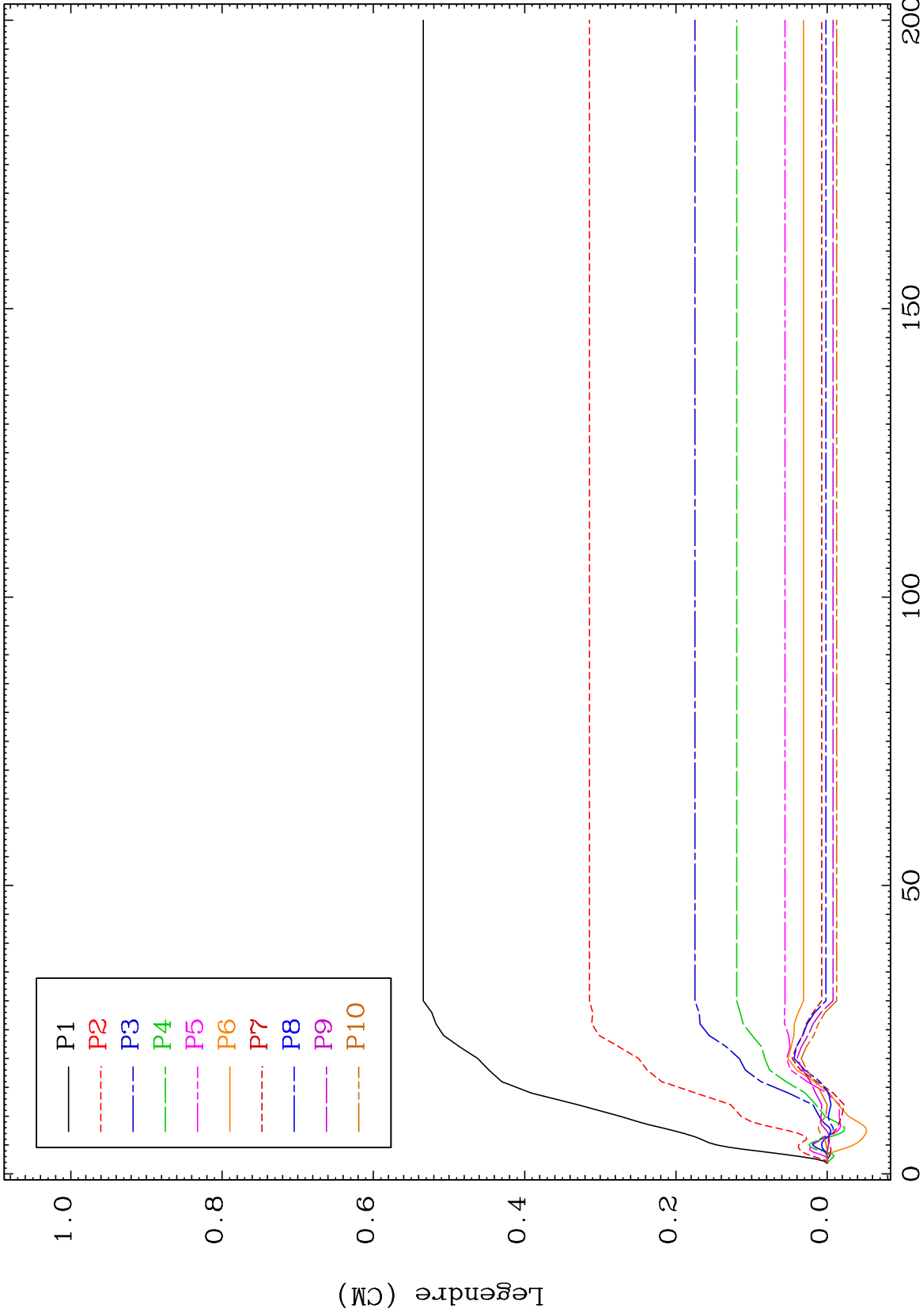
MAT 7831 MT= 69 (n,n') Level Legendre Coefficients 78-Pt-192



MAT 7831

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

78-Pt-192



88

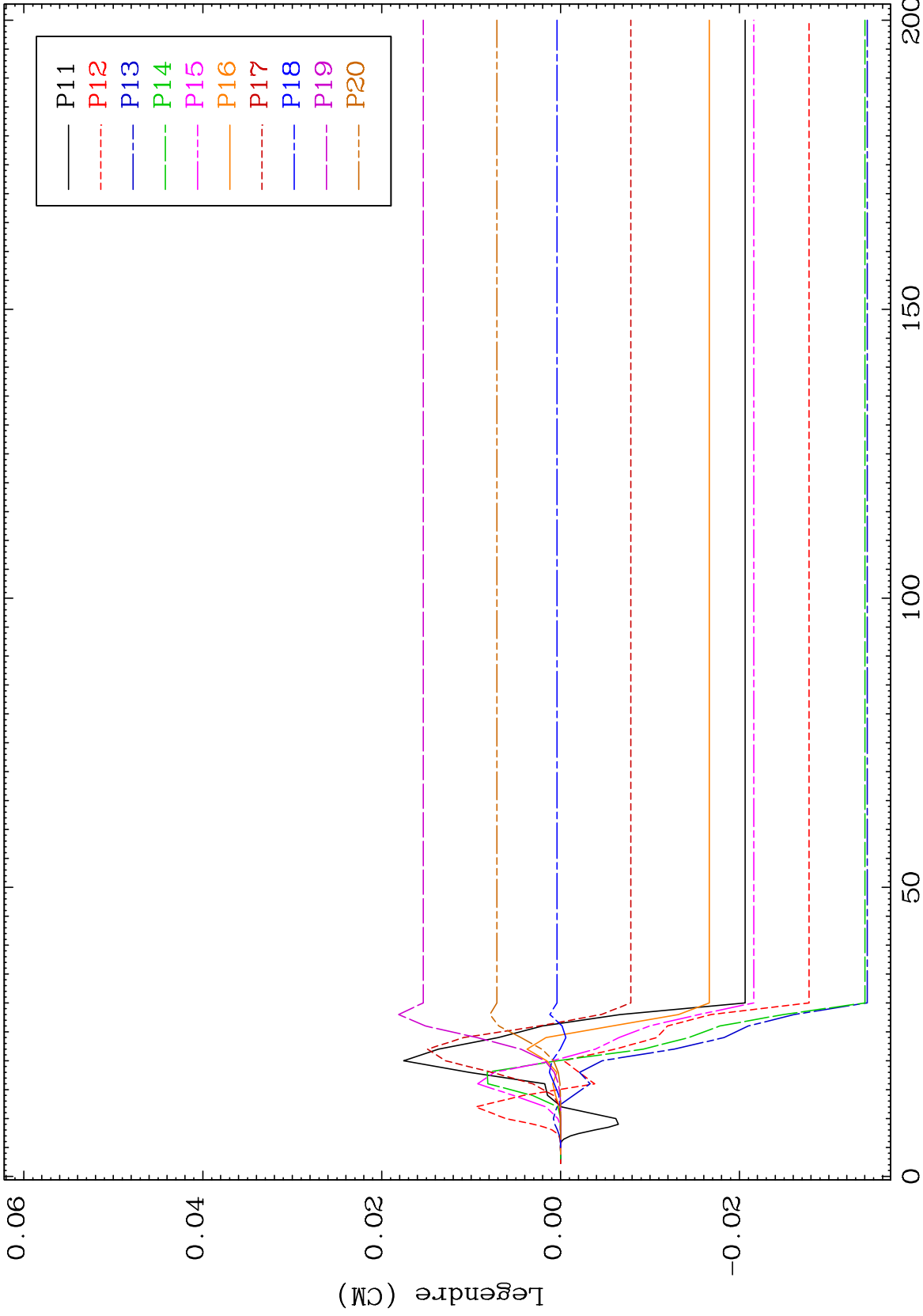
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



89

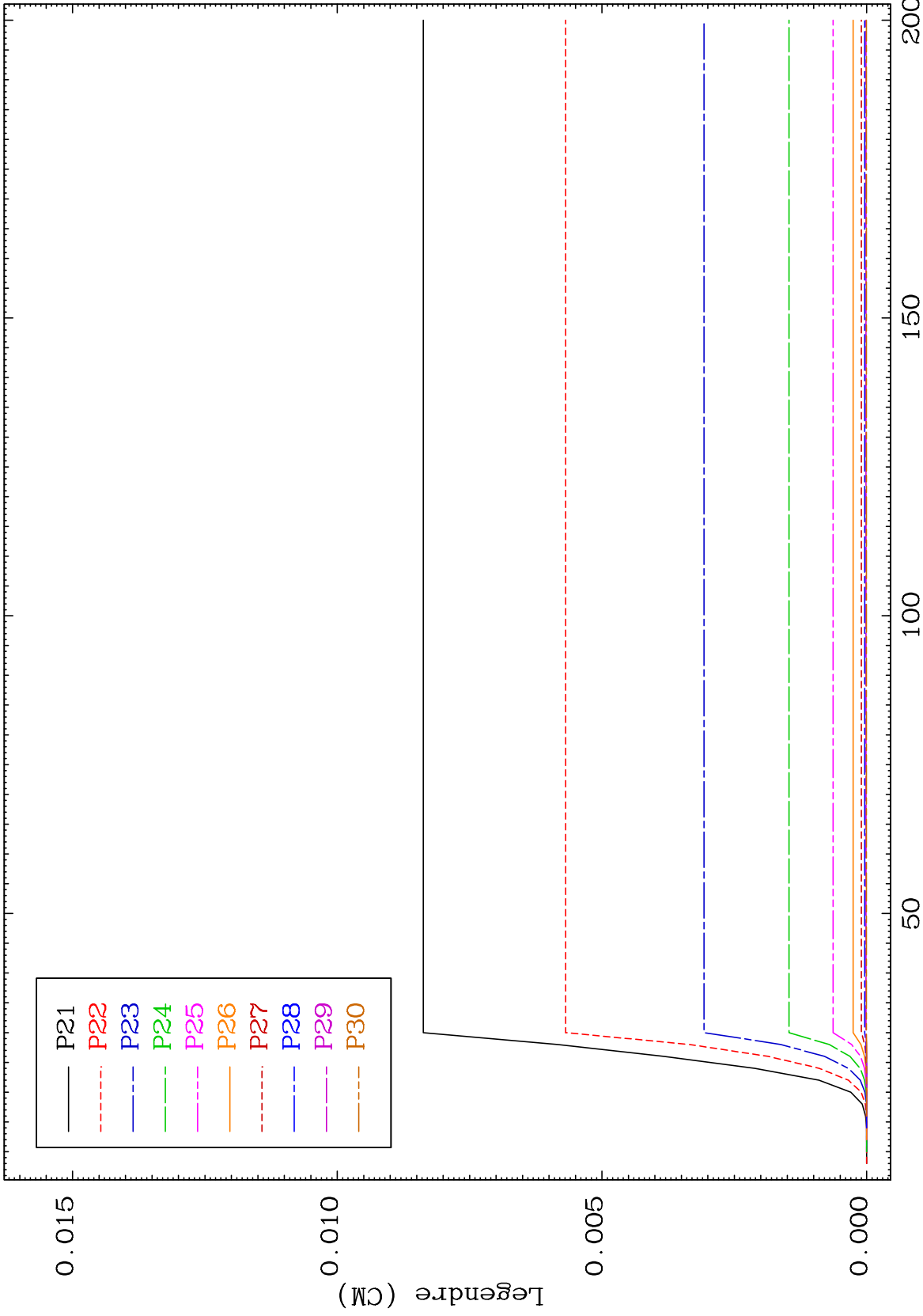
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



90

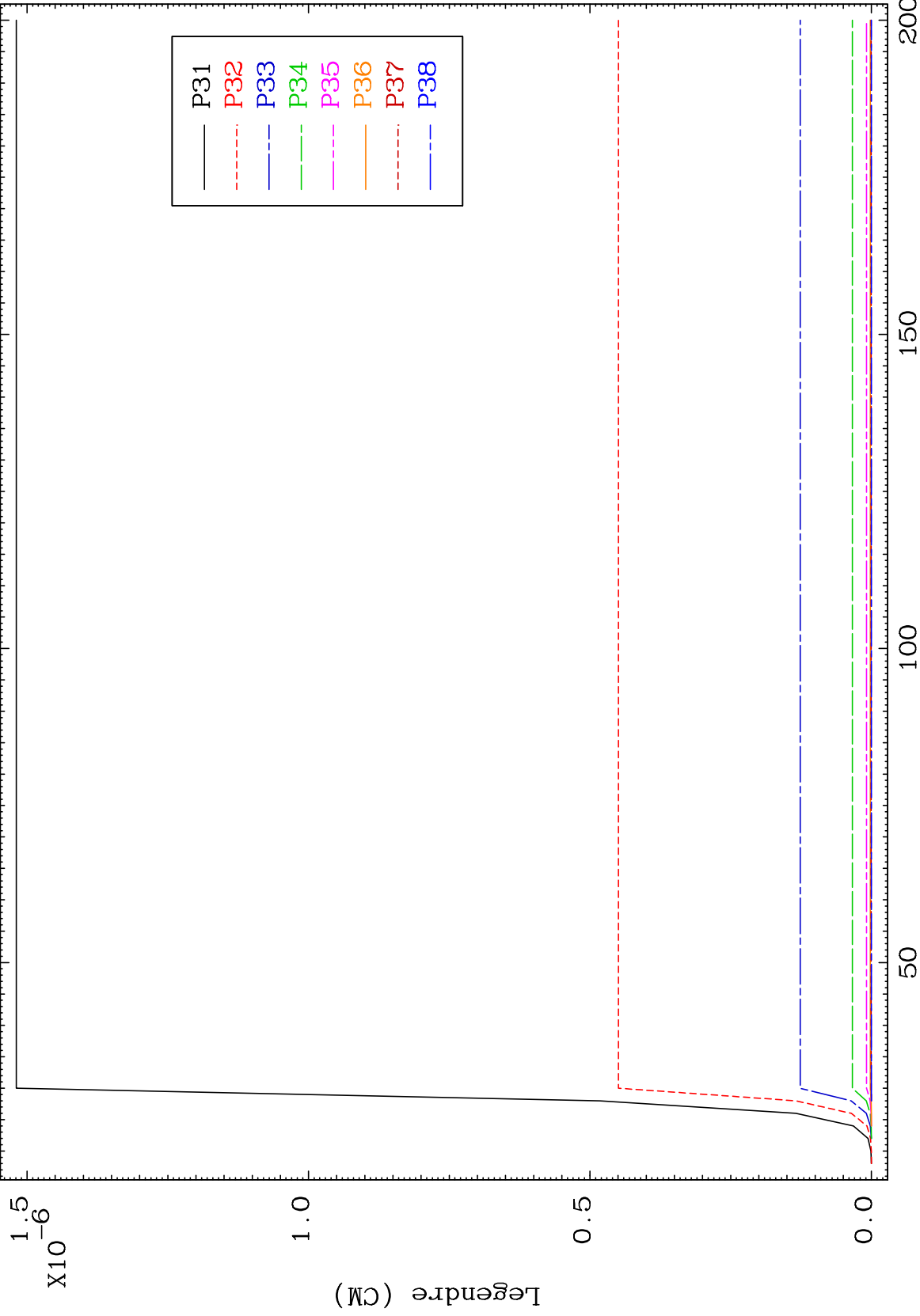
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



91

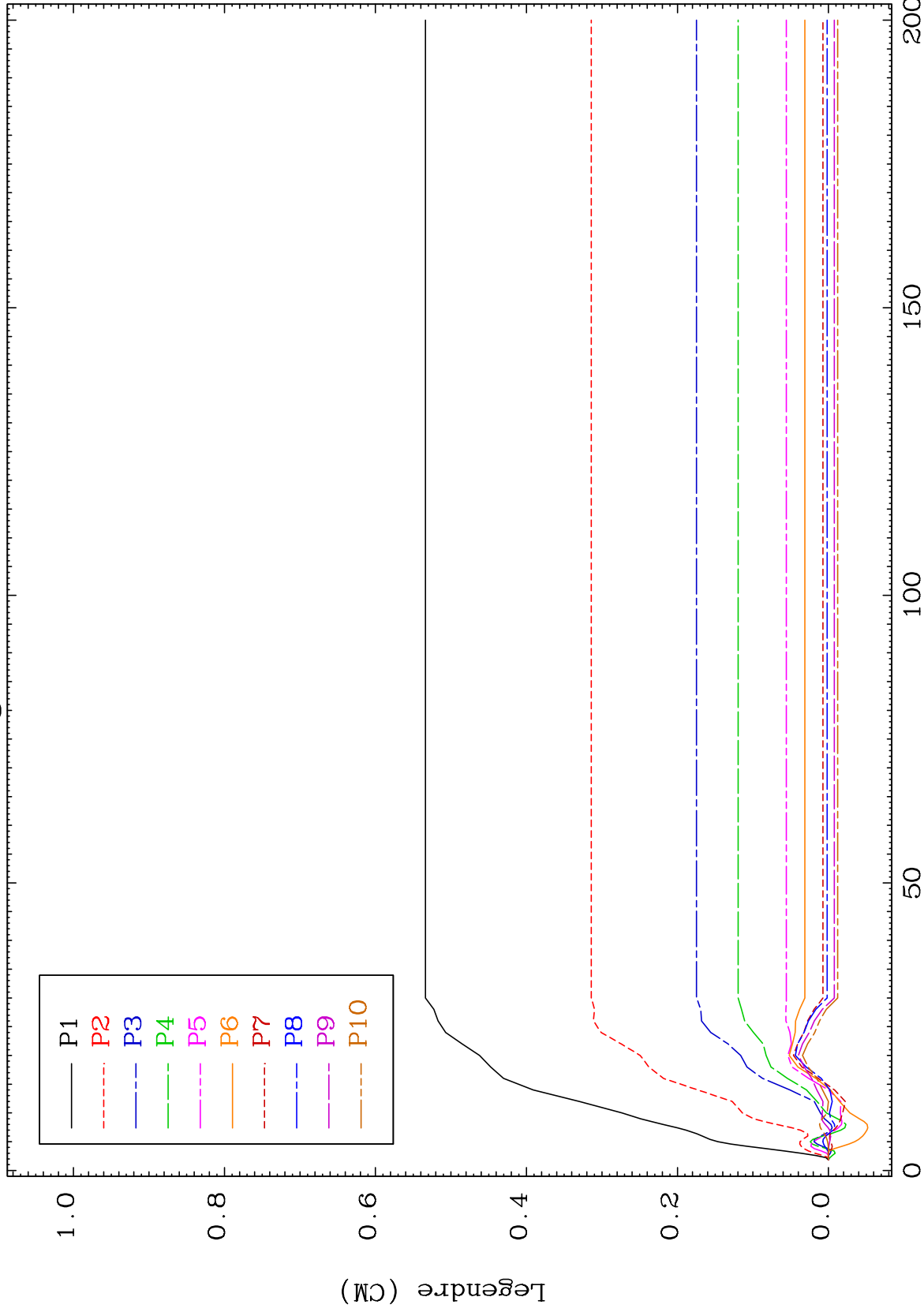
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



92

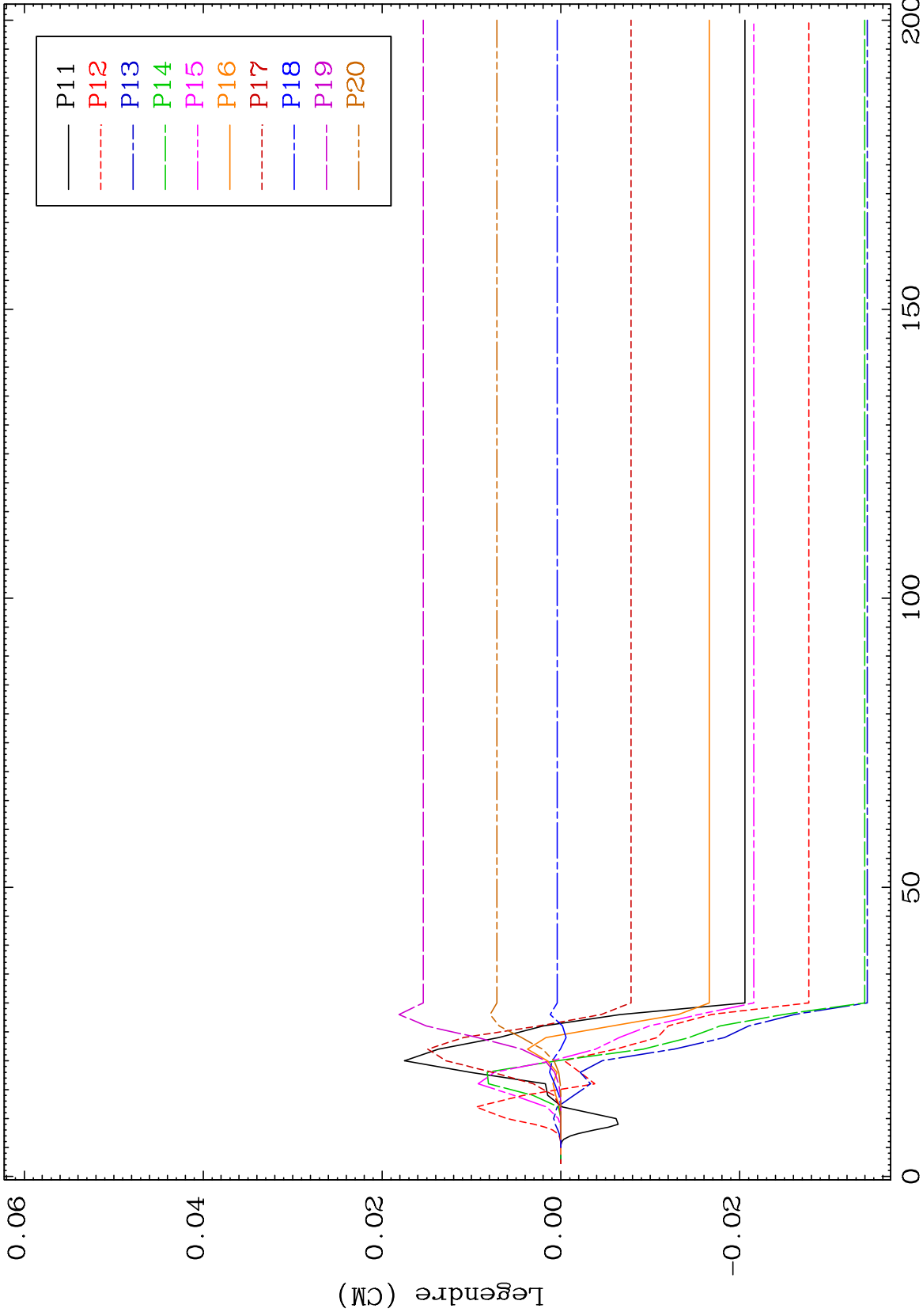
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



93

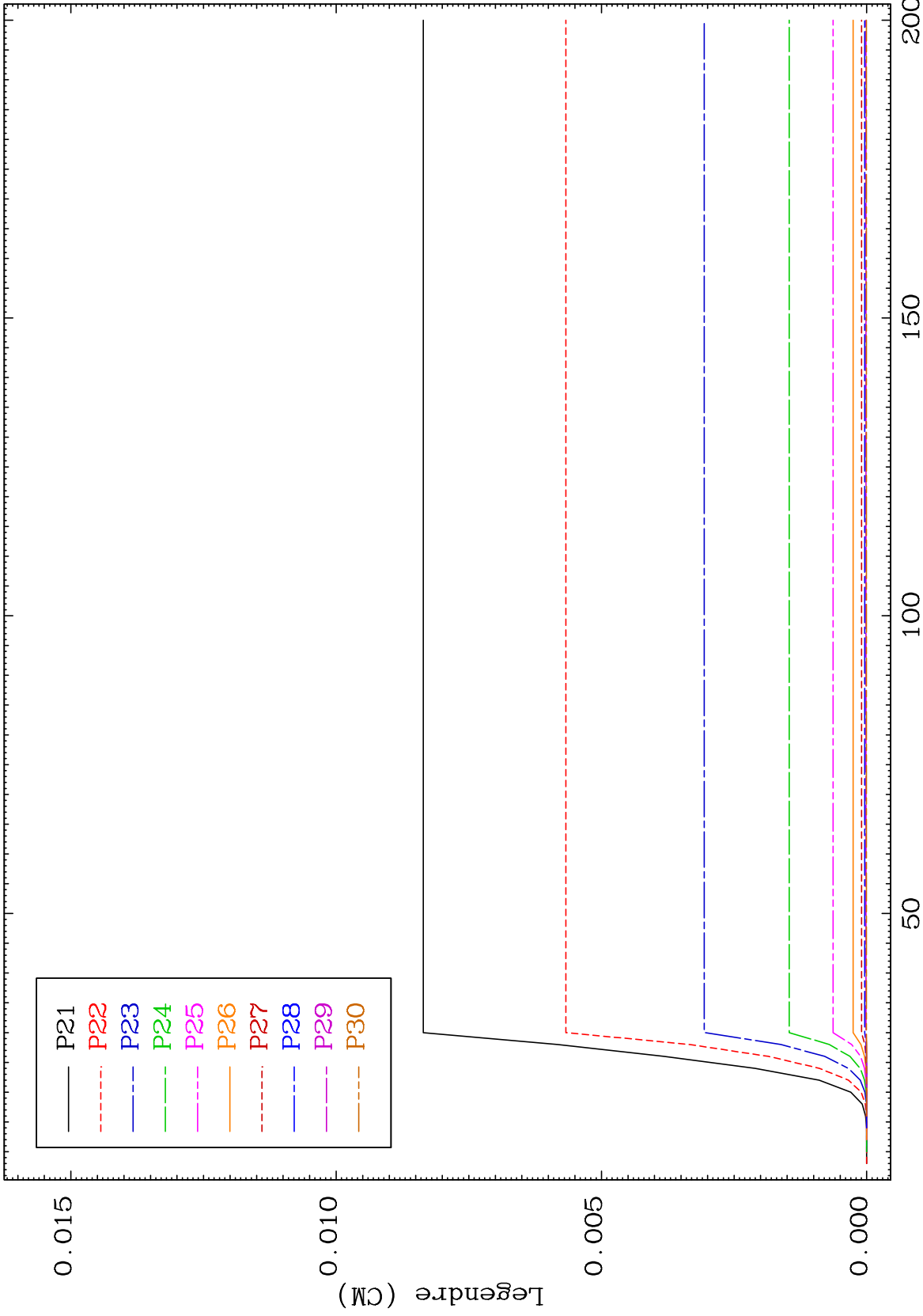
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



94

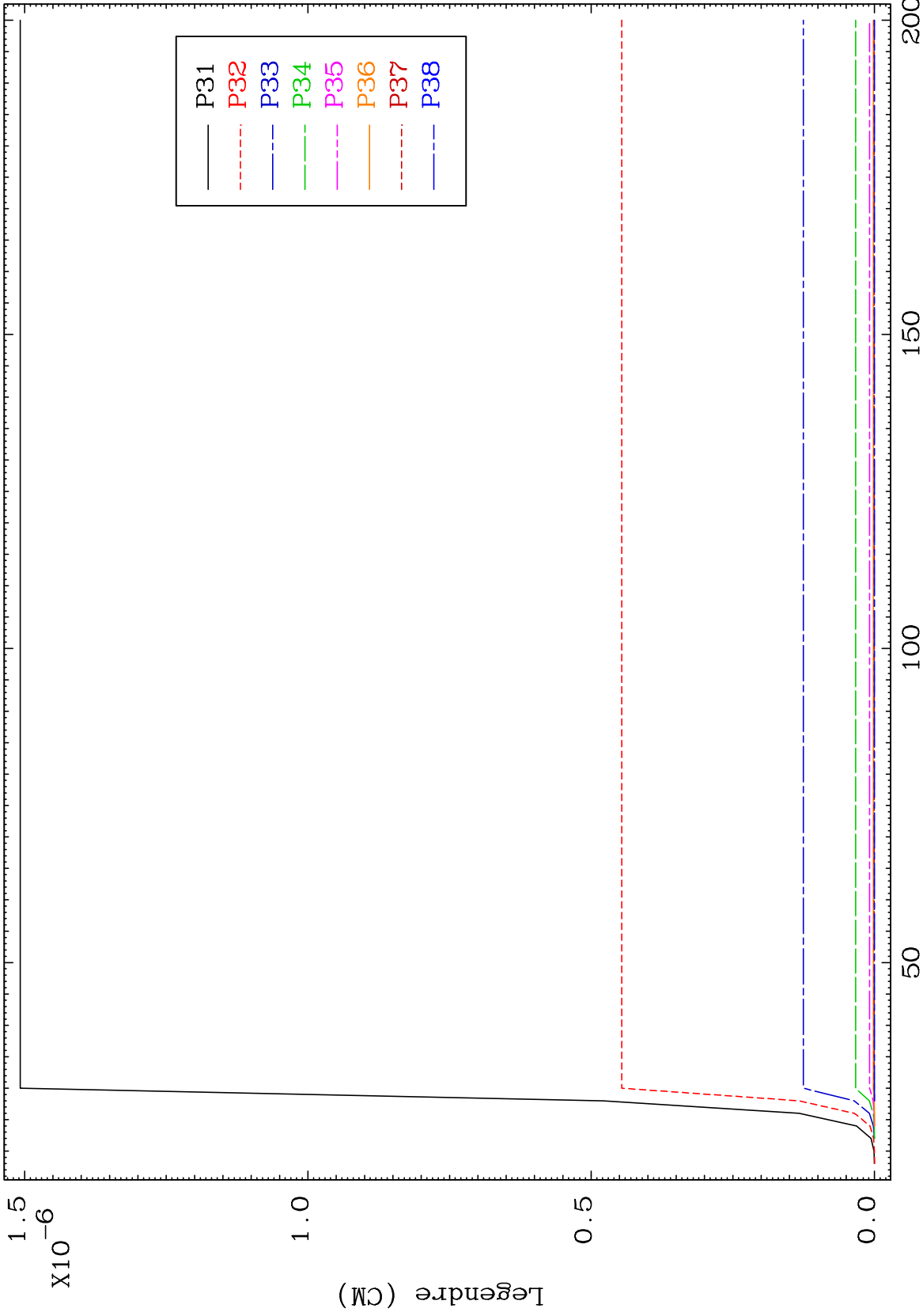
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



95

Incident Energy (MeV)

50

100

150

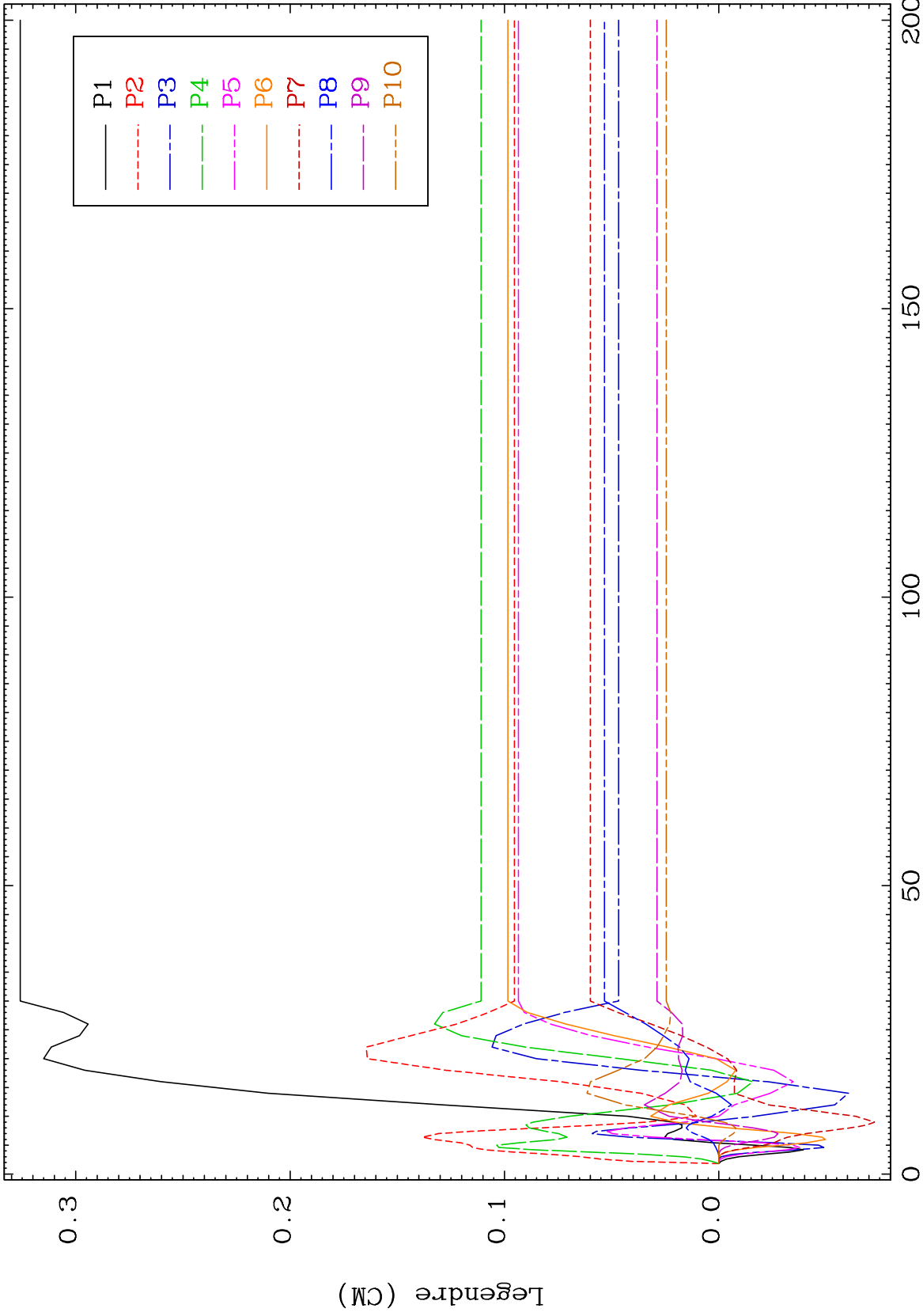
200

78-Pt-192

MAT 7831

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

78-Pt-192

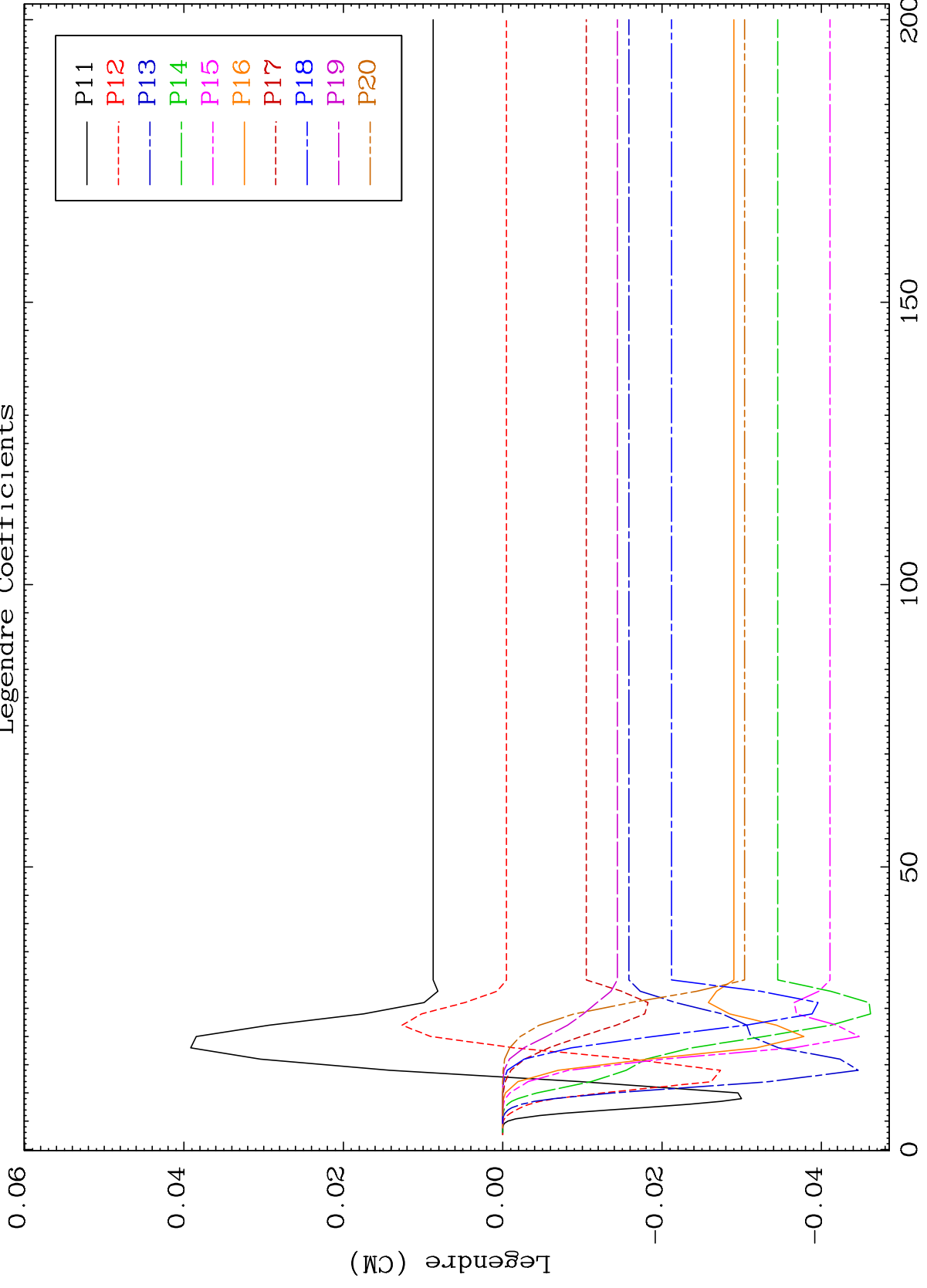


96

Incident Energy (MeV)

78-Pt-192

MAT 7831 MT= 72 (n,n') Level Legendre Coefficients 78-Pt-192

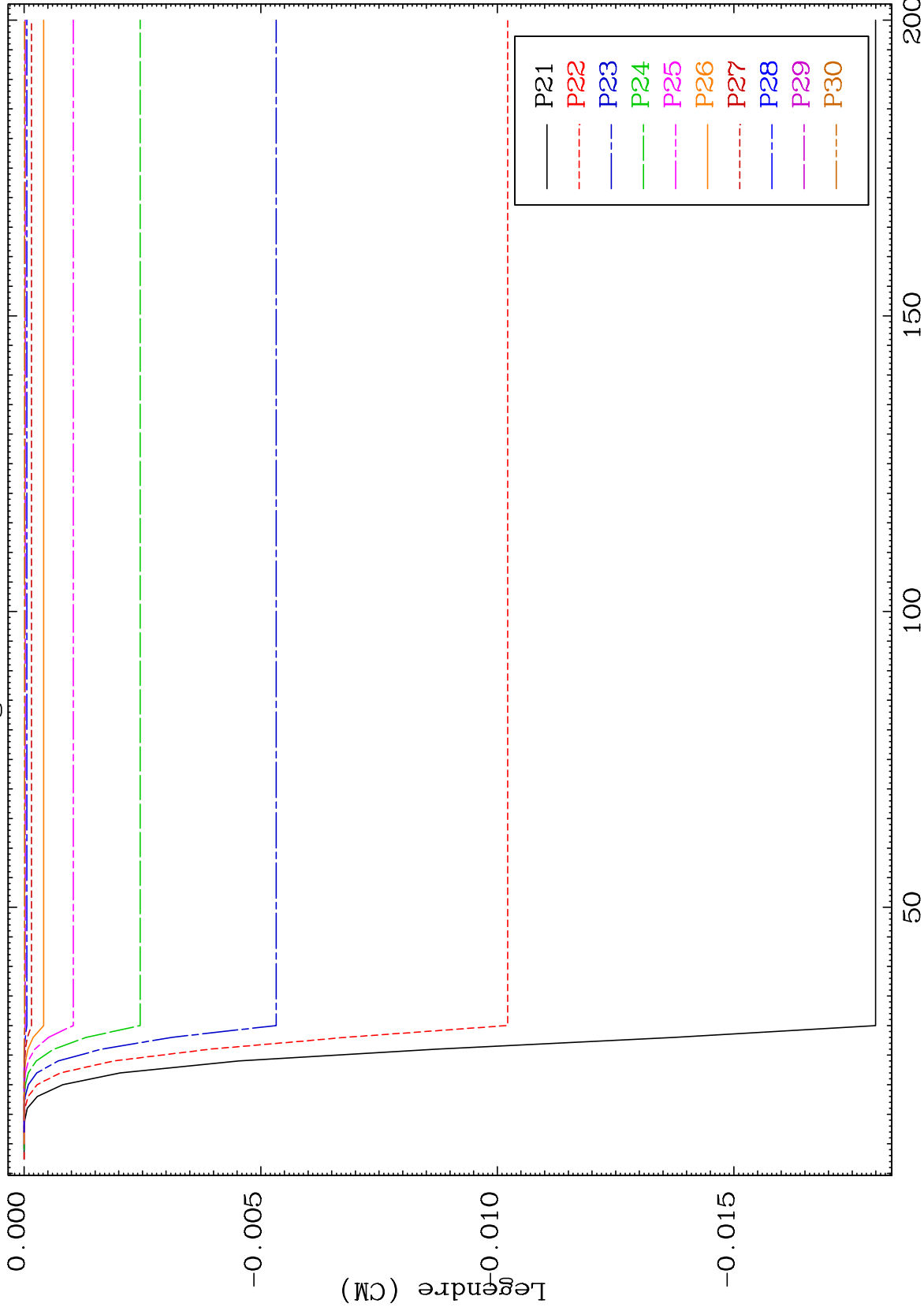


97 78-Pt-192

MAT 7831

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

78-Pt-192



98

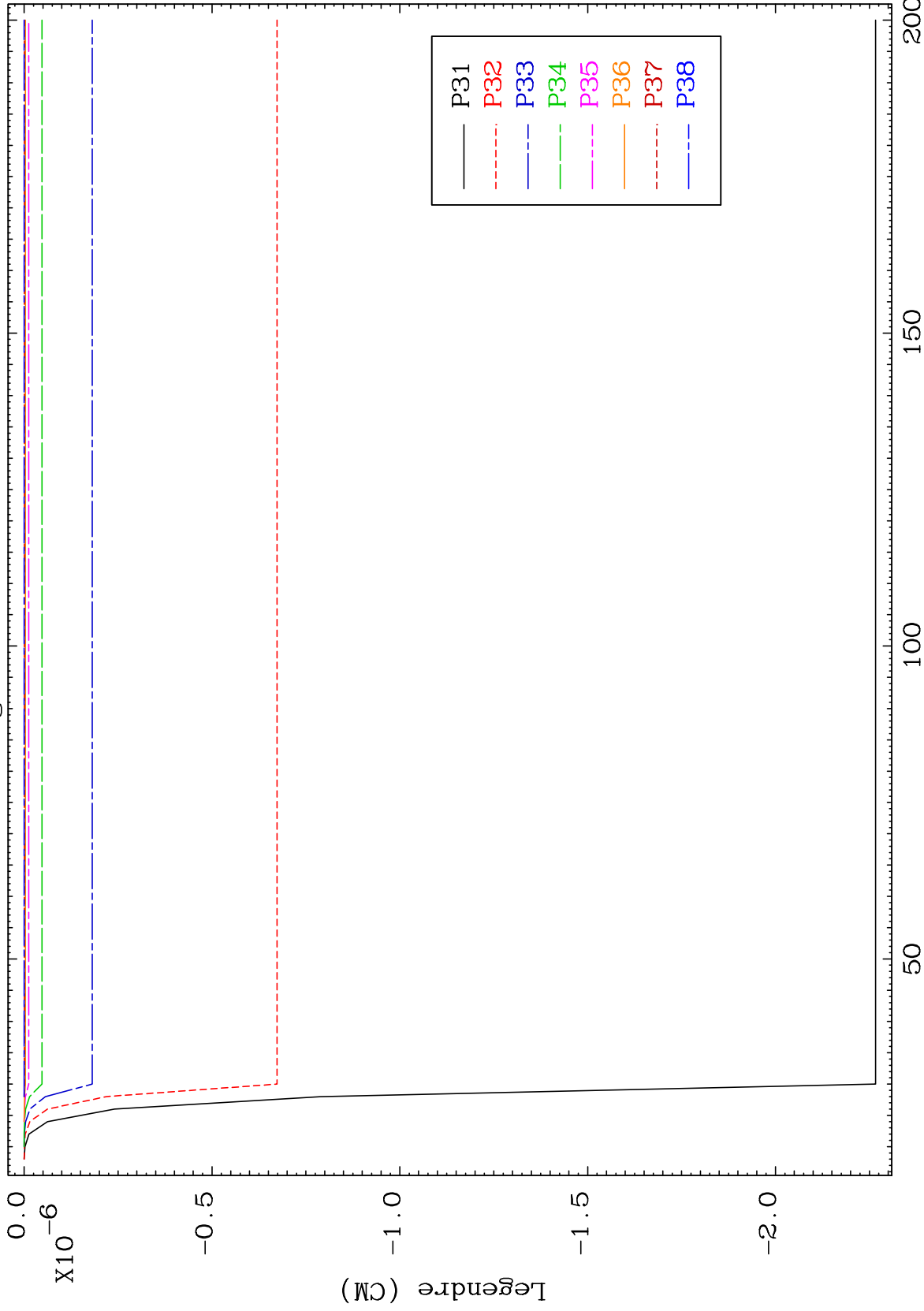
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



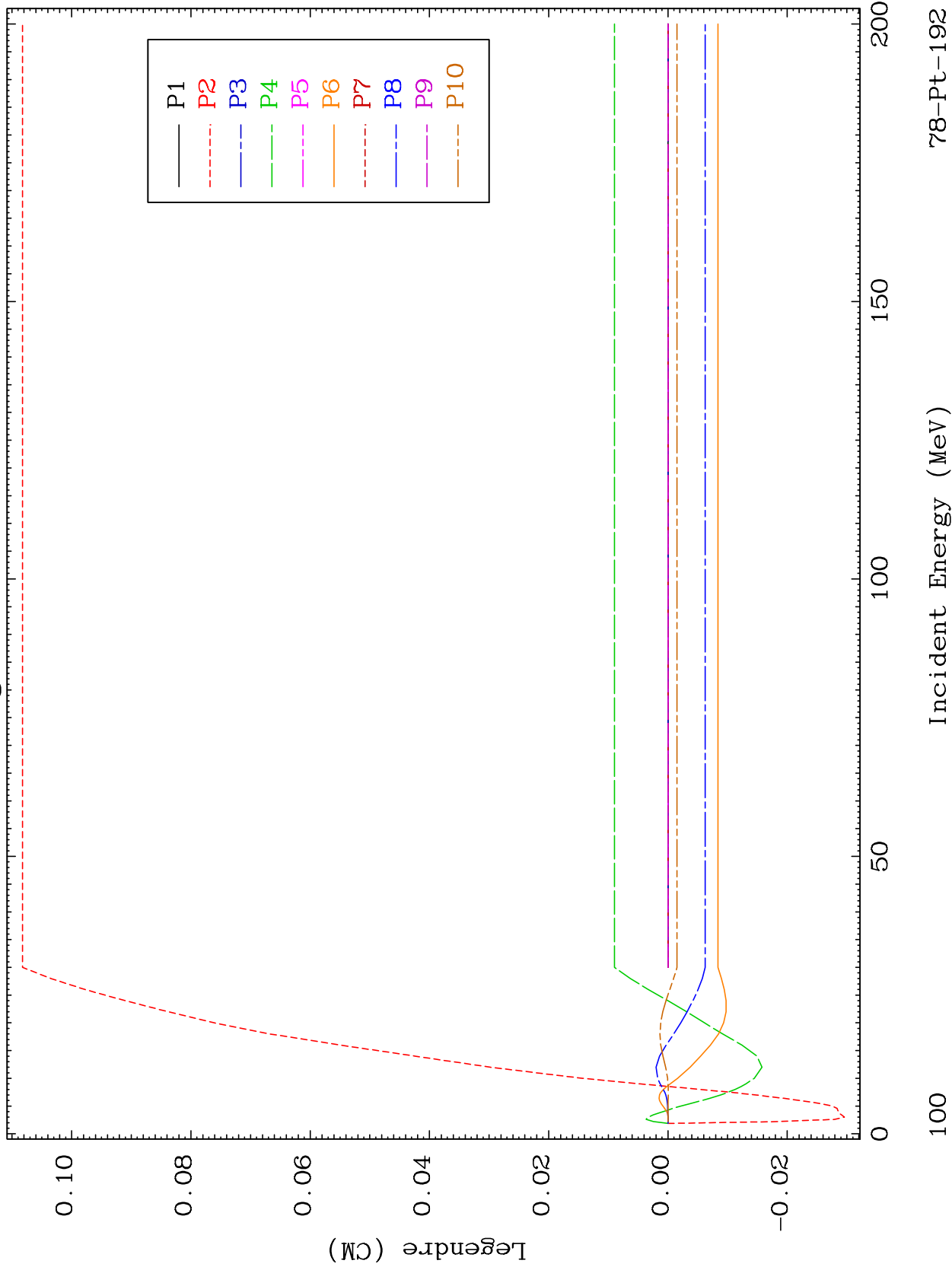
99

78-Pt-192

MAT 7831

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

78-Pt-192

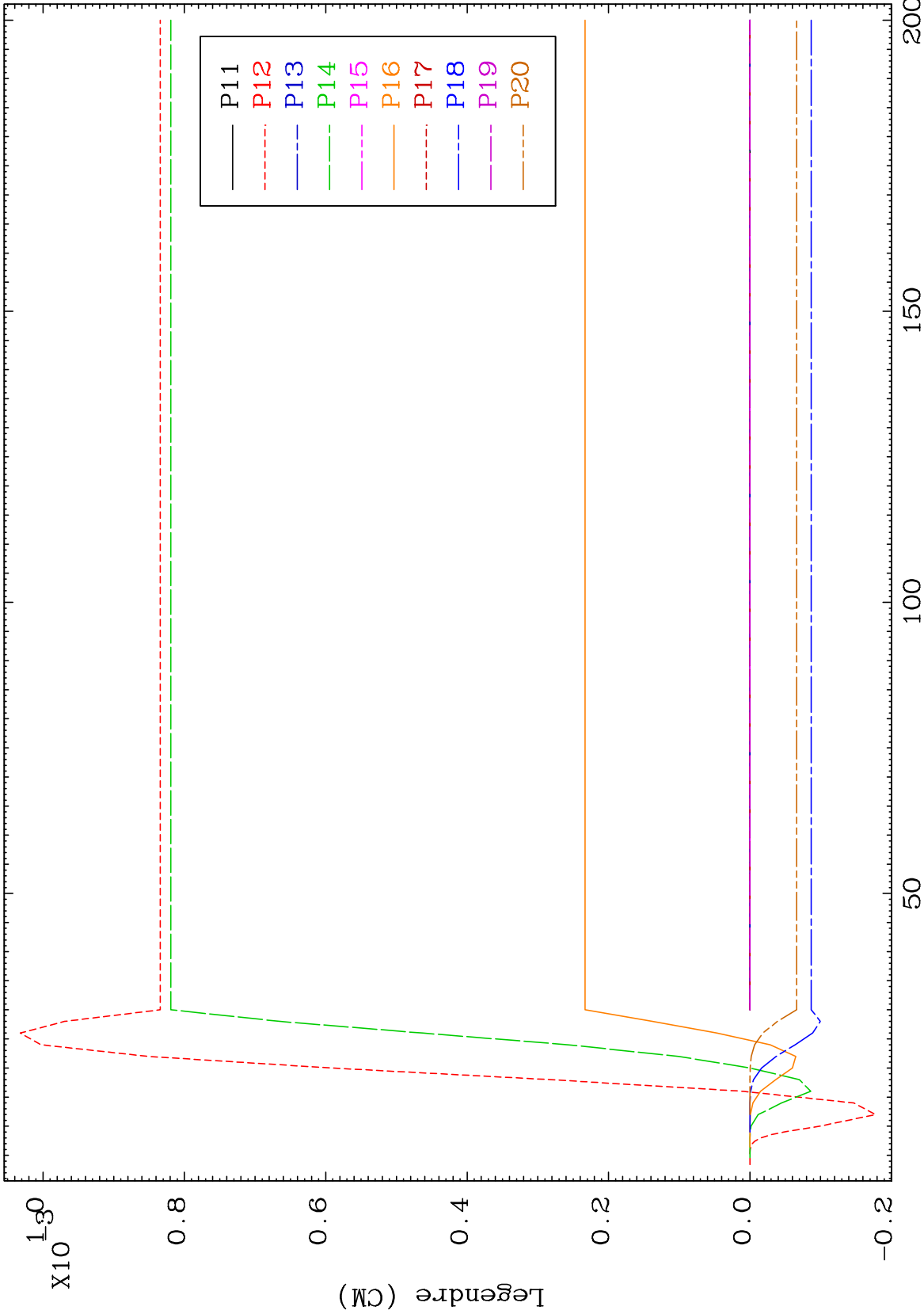


78-Pt-192

MAT 7831

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

78-Pt-192

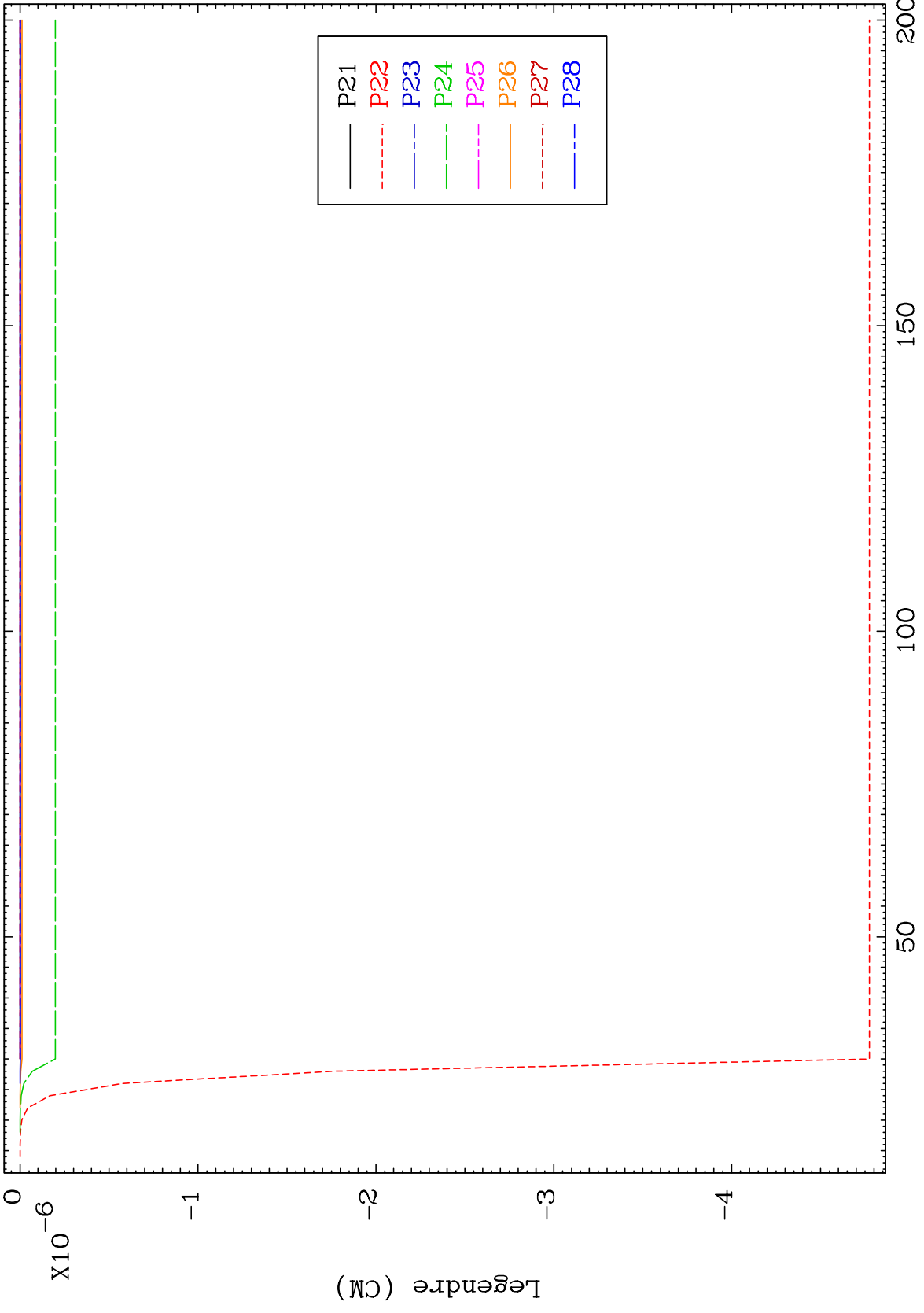


101

Incident Energy (MeV)

78-Pt-192

MAT 7831 MT= 73 (n,n') Level Legendre Coefficients 78-Pt-192

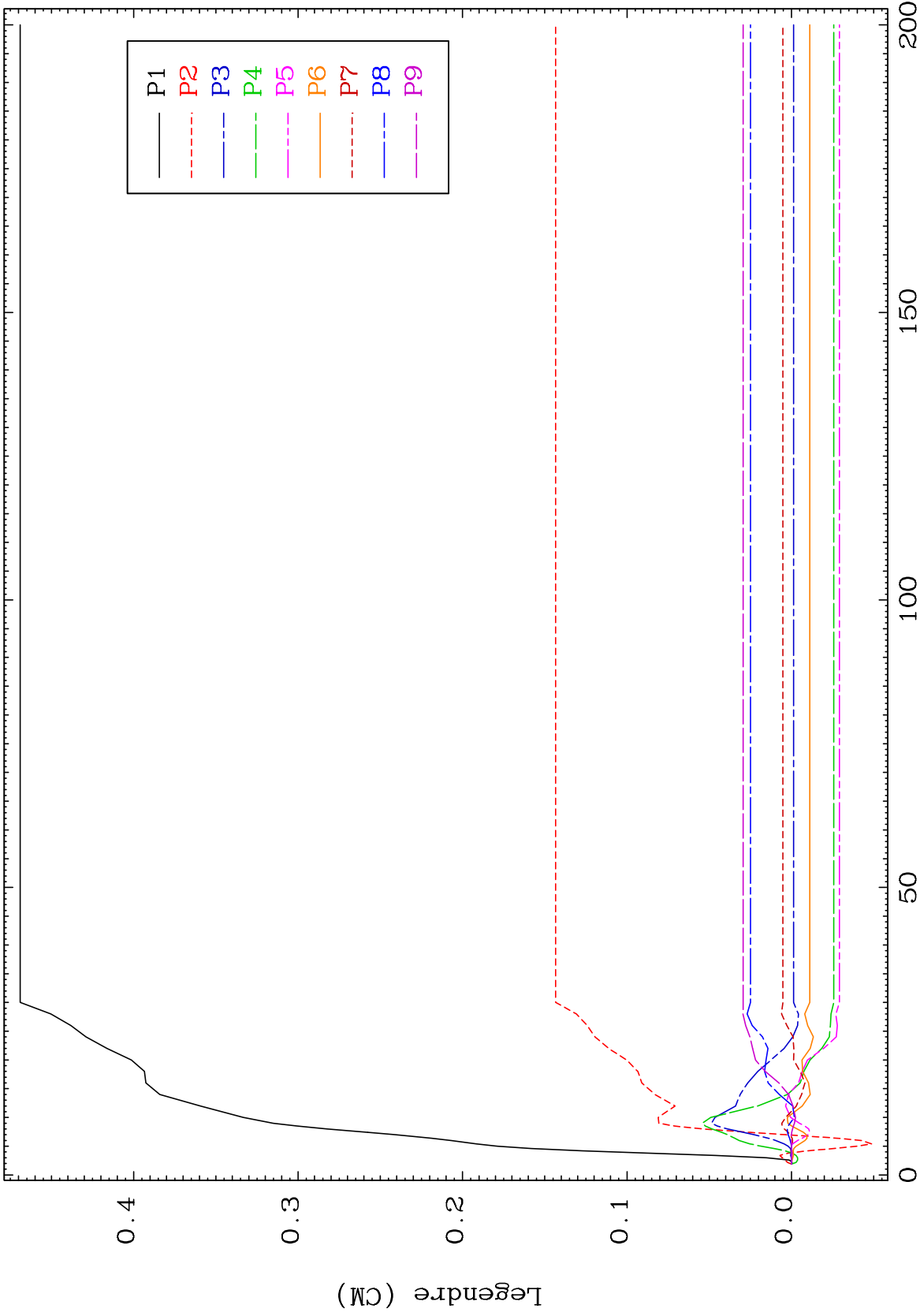


102 78-Pt-192

MAT 7831

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

78-Pt-192

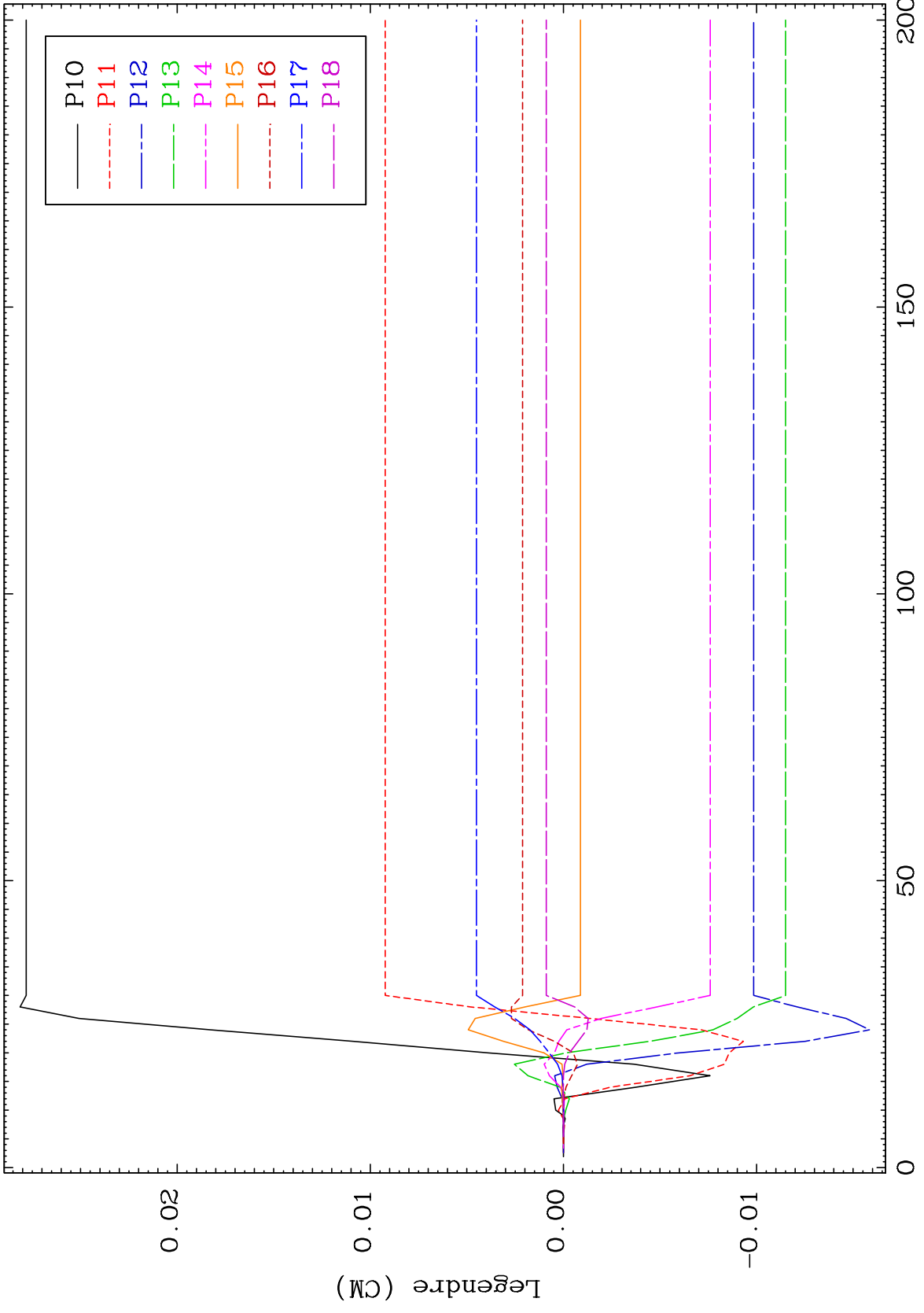


103

Incident Energy (MeV)

78-Pt-192

MAT 7831 MT= 74 (n,n') Level Legendre Coefficients 78-Pt-192

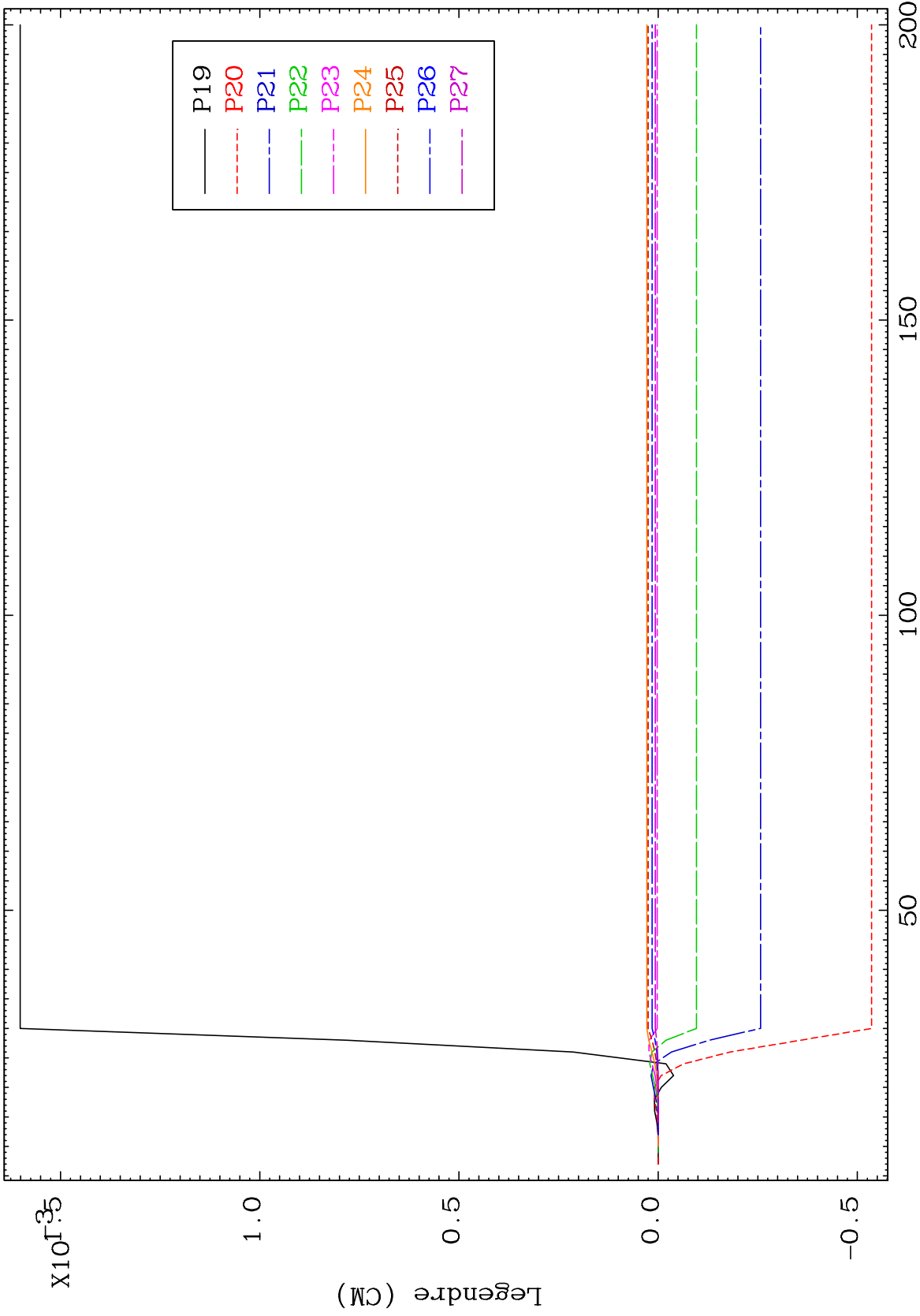


104 78-Pt-192

MAT 7831

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

78-Pt-192



105

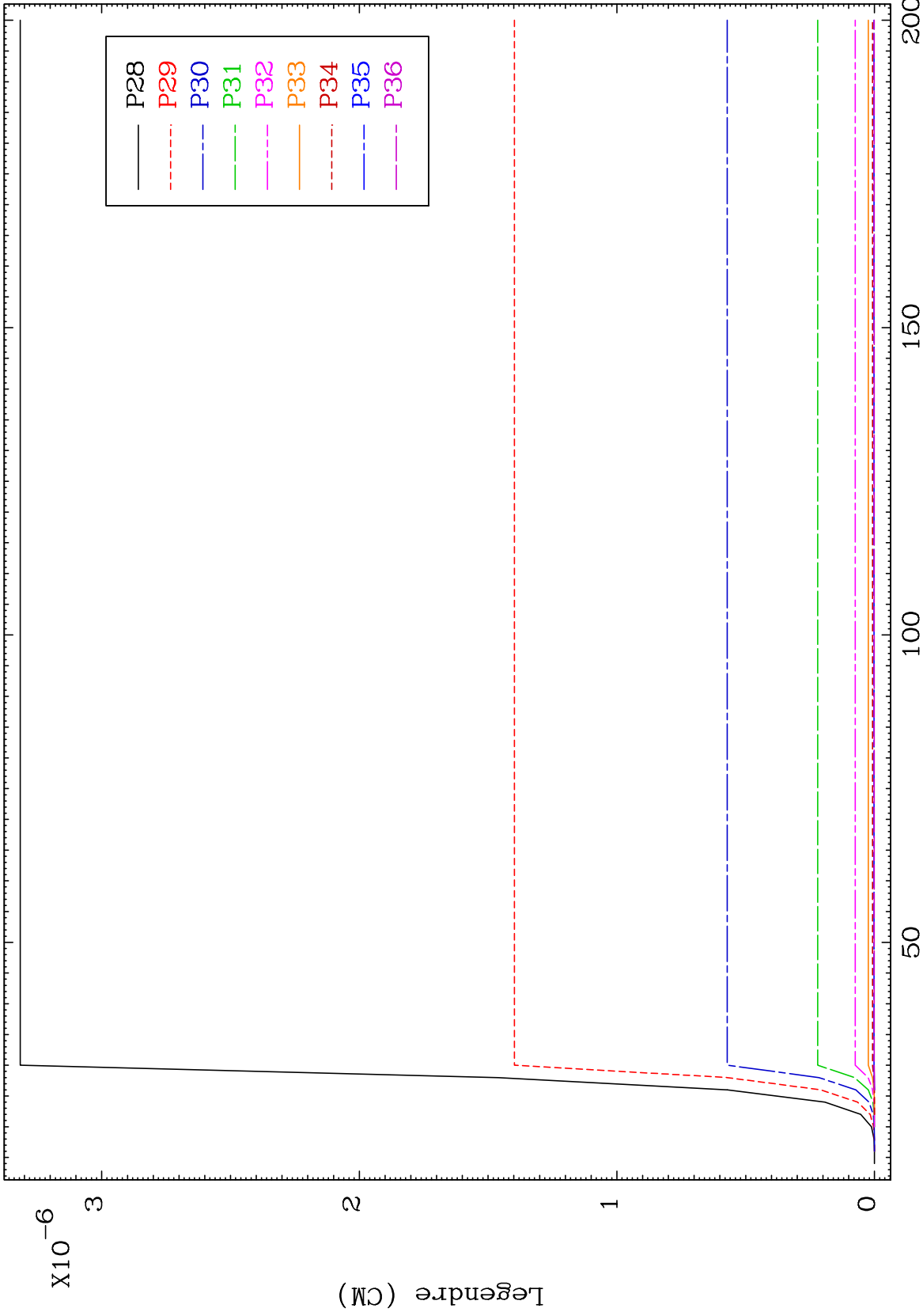
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



106

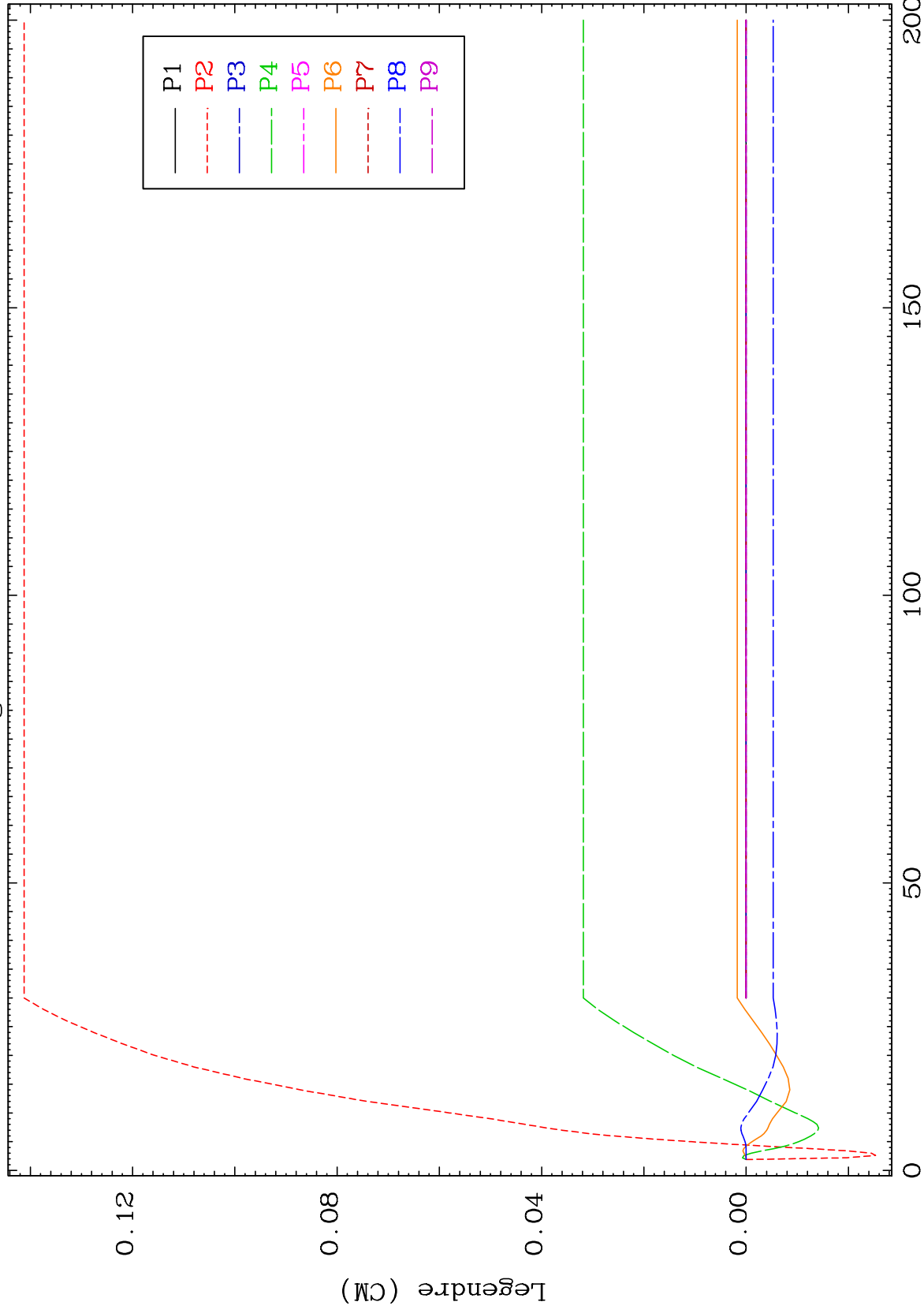
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



107

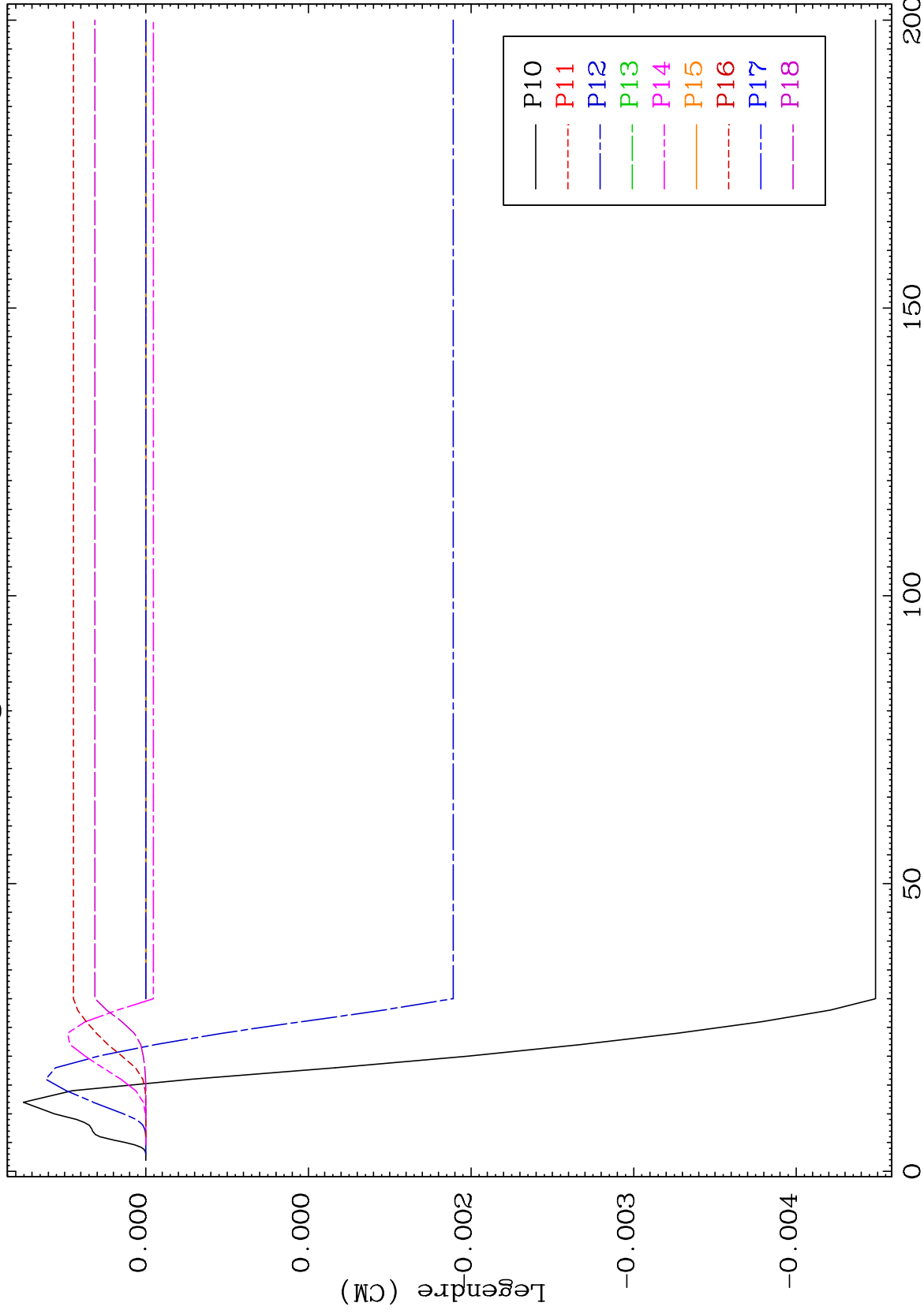
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192

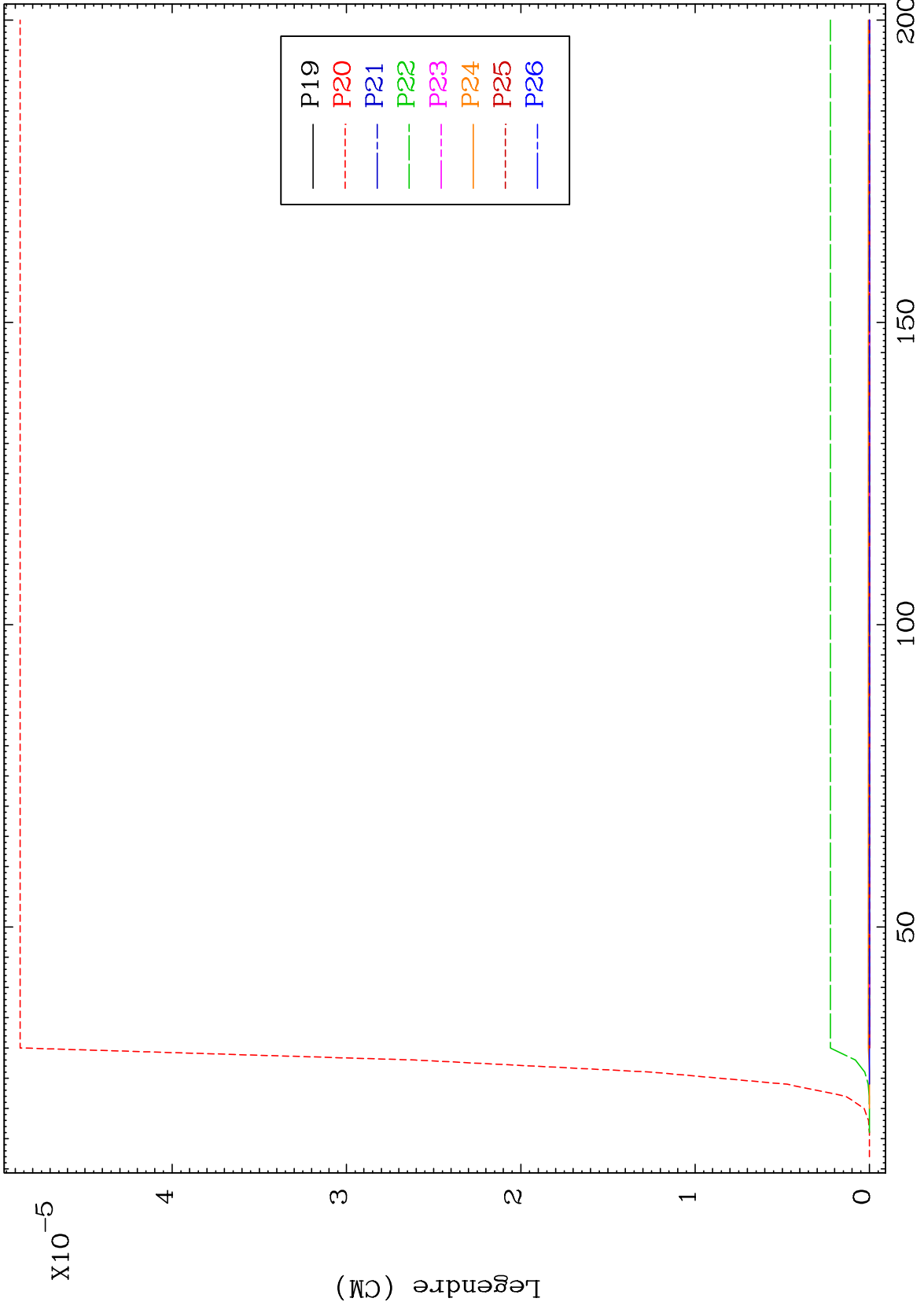


108

Incident Energy (MeV)

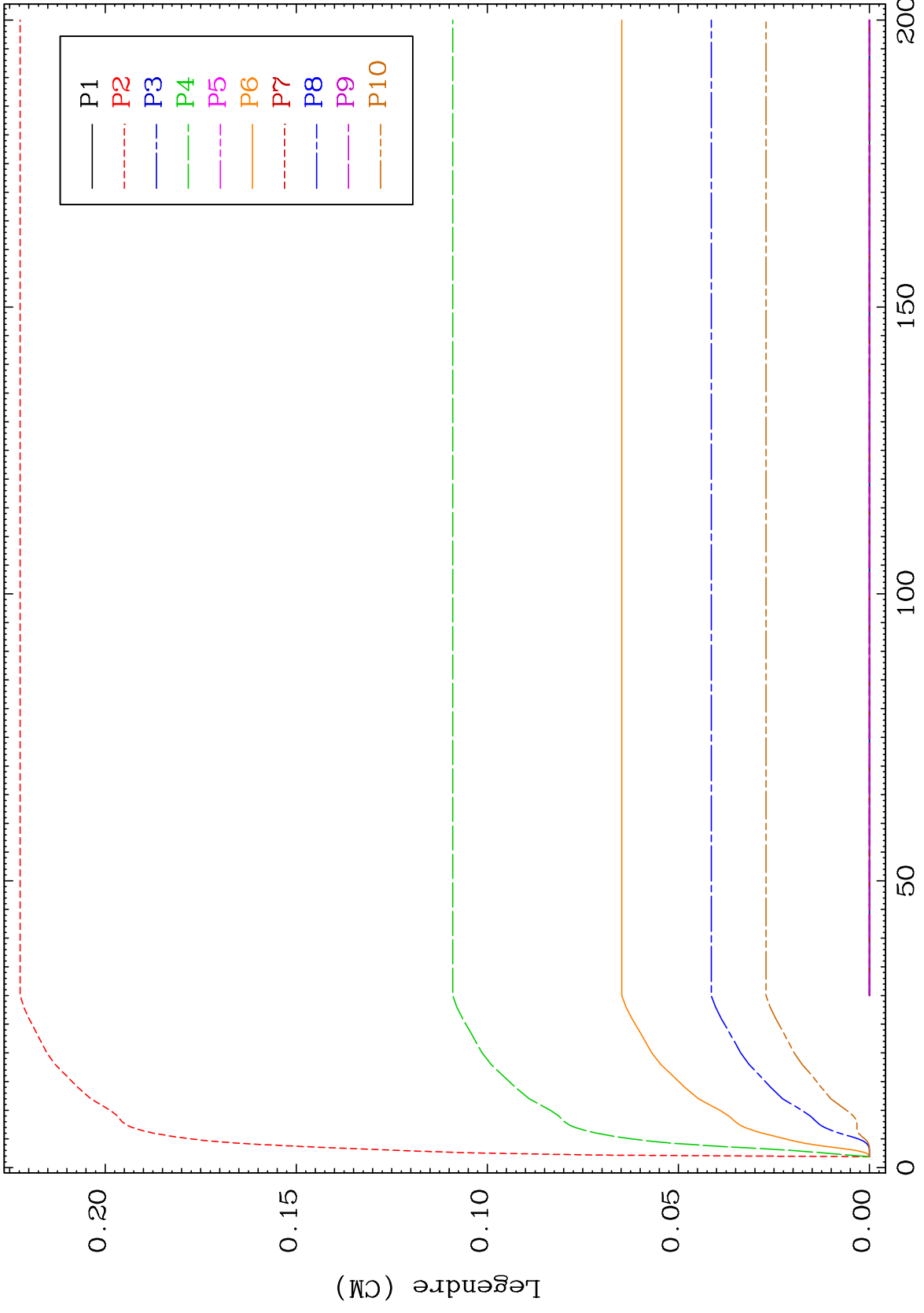
78-Pt-192

MAT 7831 MT= 75 (n,n') Level Legendre Coefficients 78-Pt-192



109 Incident Energy (MeV) 78-Pt-192

MAT 7831 MT= 76 (n,n') Level Legendre Coefficients 78-Pt-192

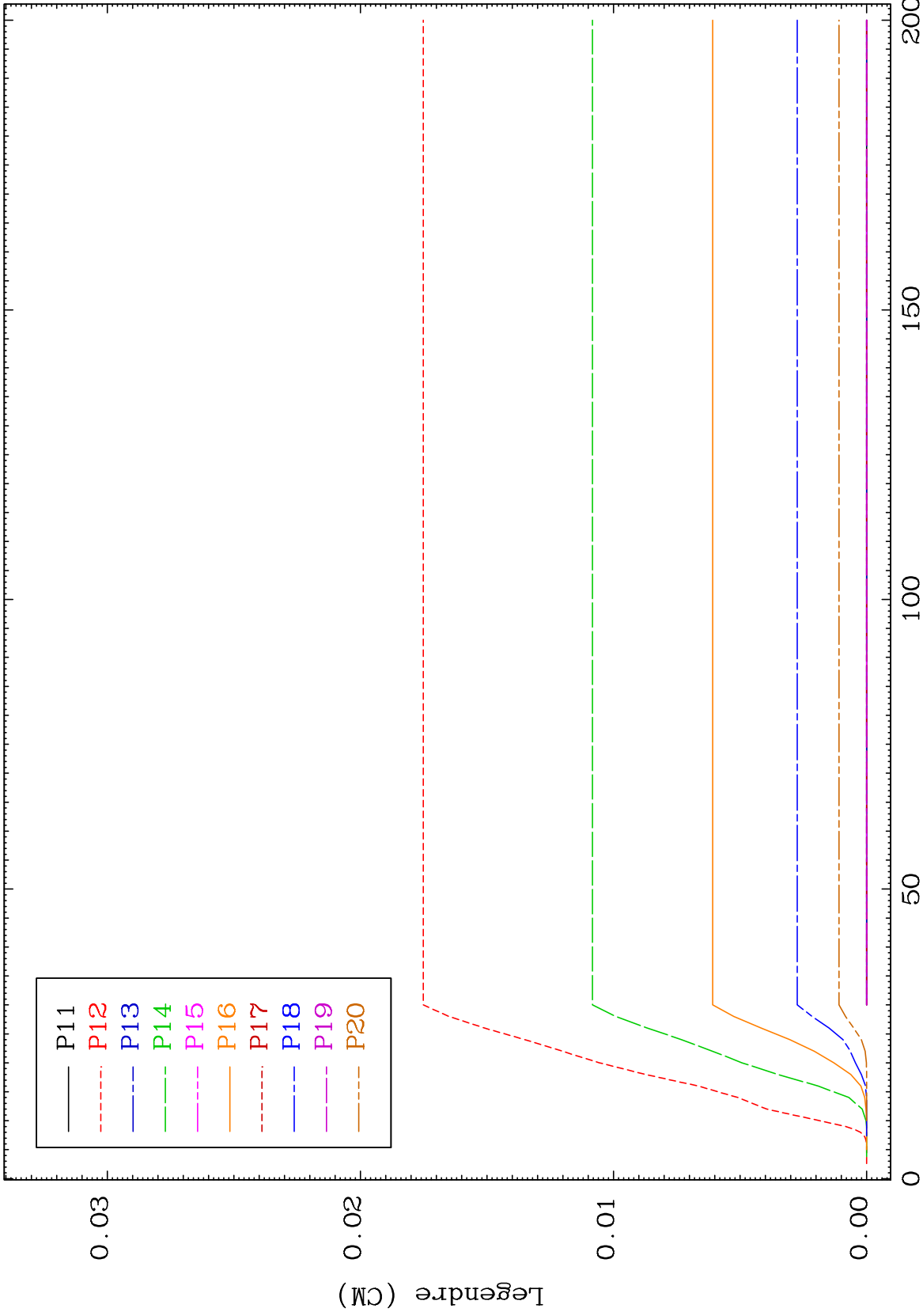


110 Incident Energy (MeV) 78-Pt-192

MAT 7831

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

78-Pt-192

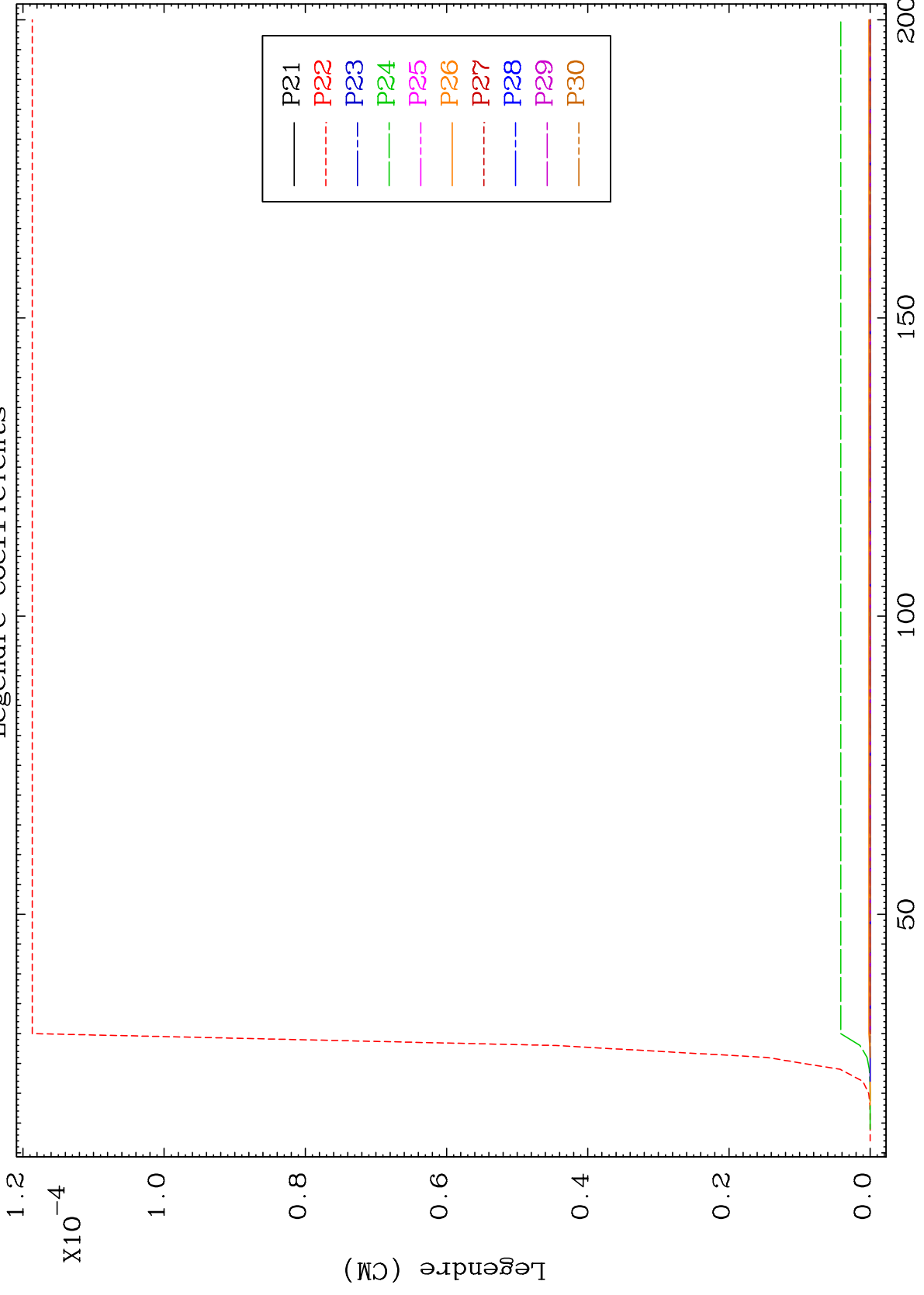


111

Incident Energy (MeV)

78-Pt-192

MAT 7831 MT= 76 (n,n') Level Legendre Coefficients 78-Pt-192

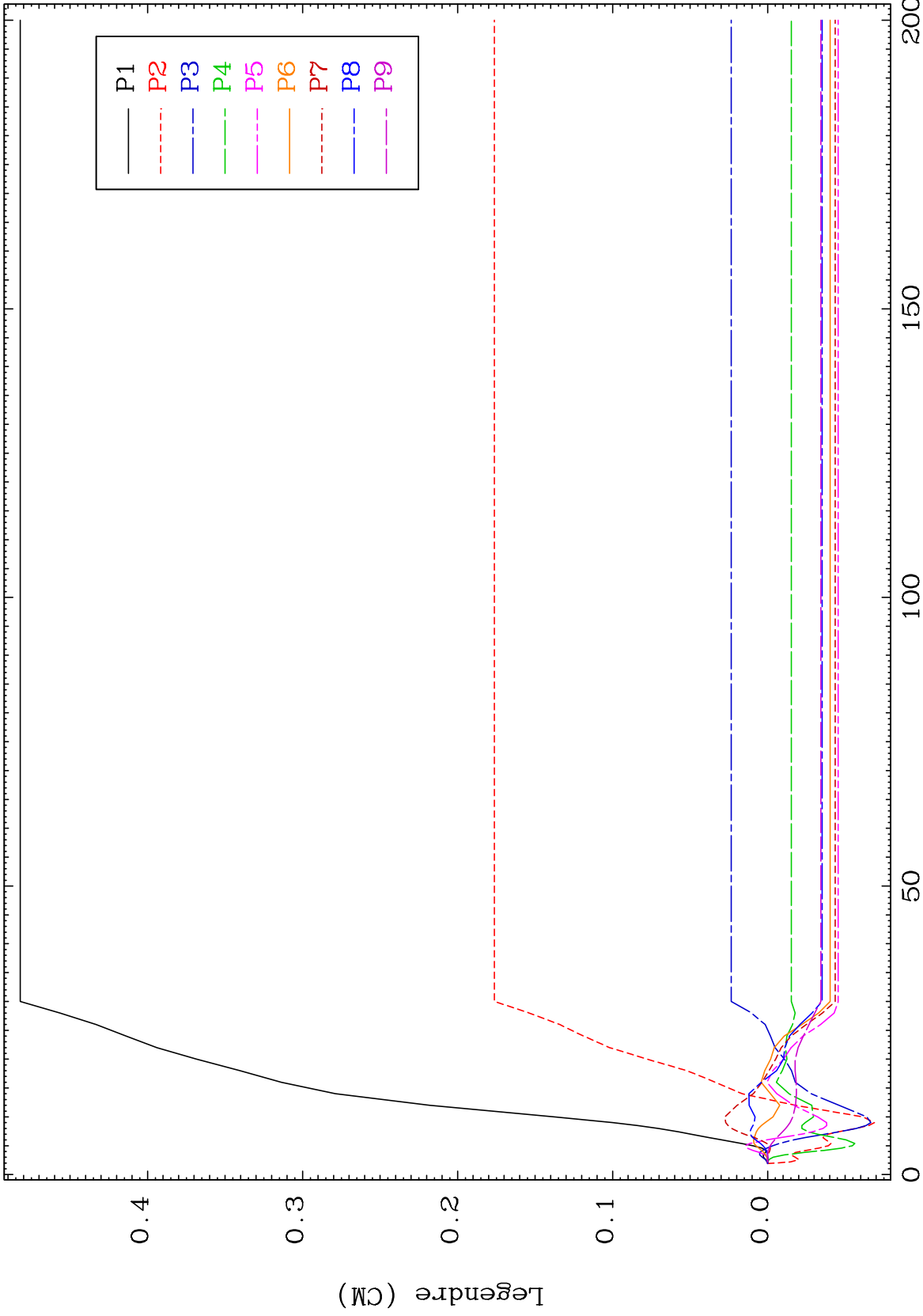


112 78-Pt-192

MAT 7831

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

78-Pt-192



113

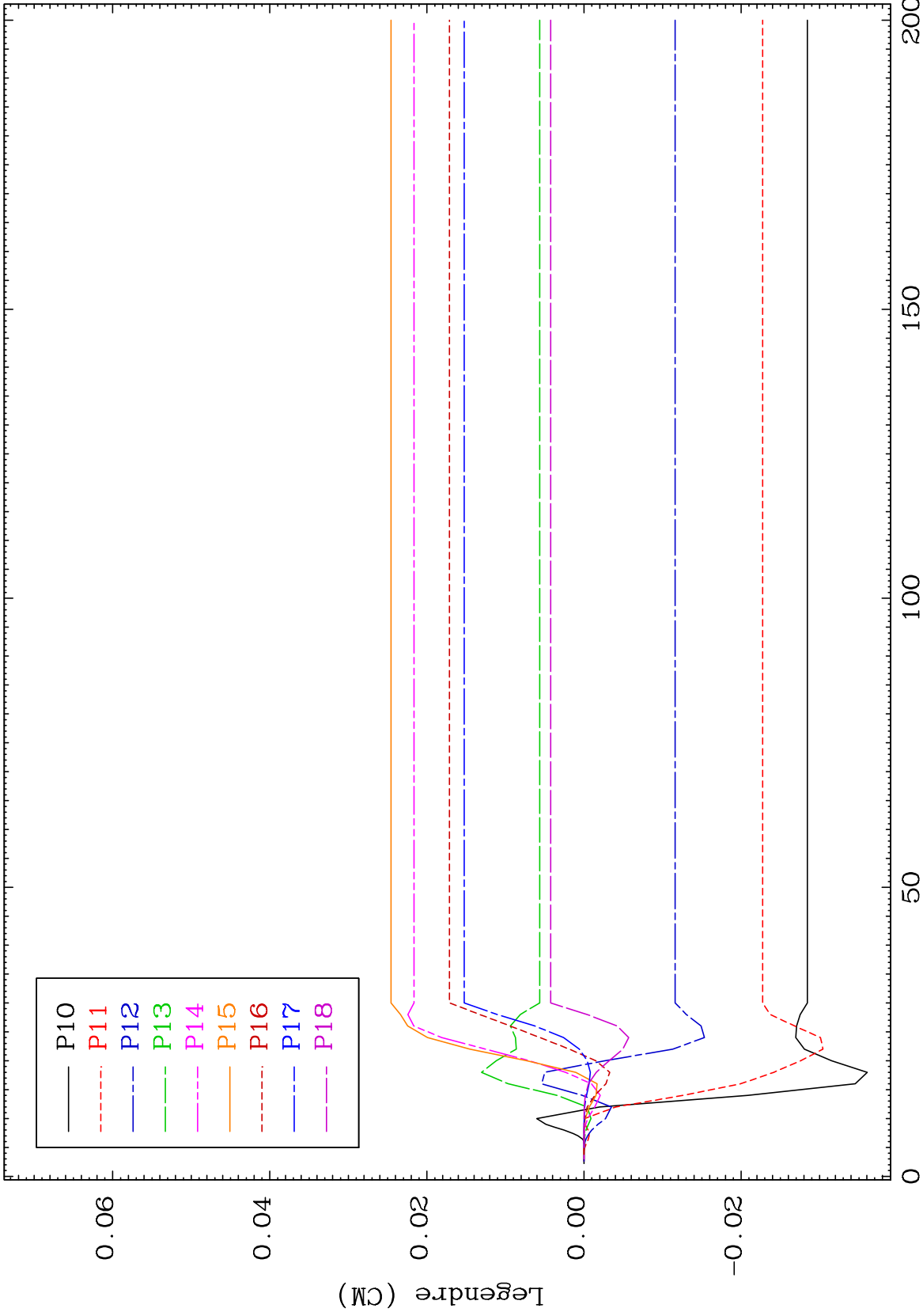
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



114

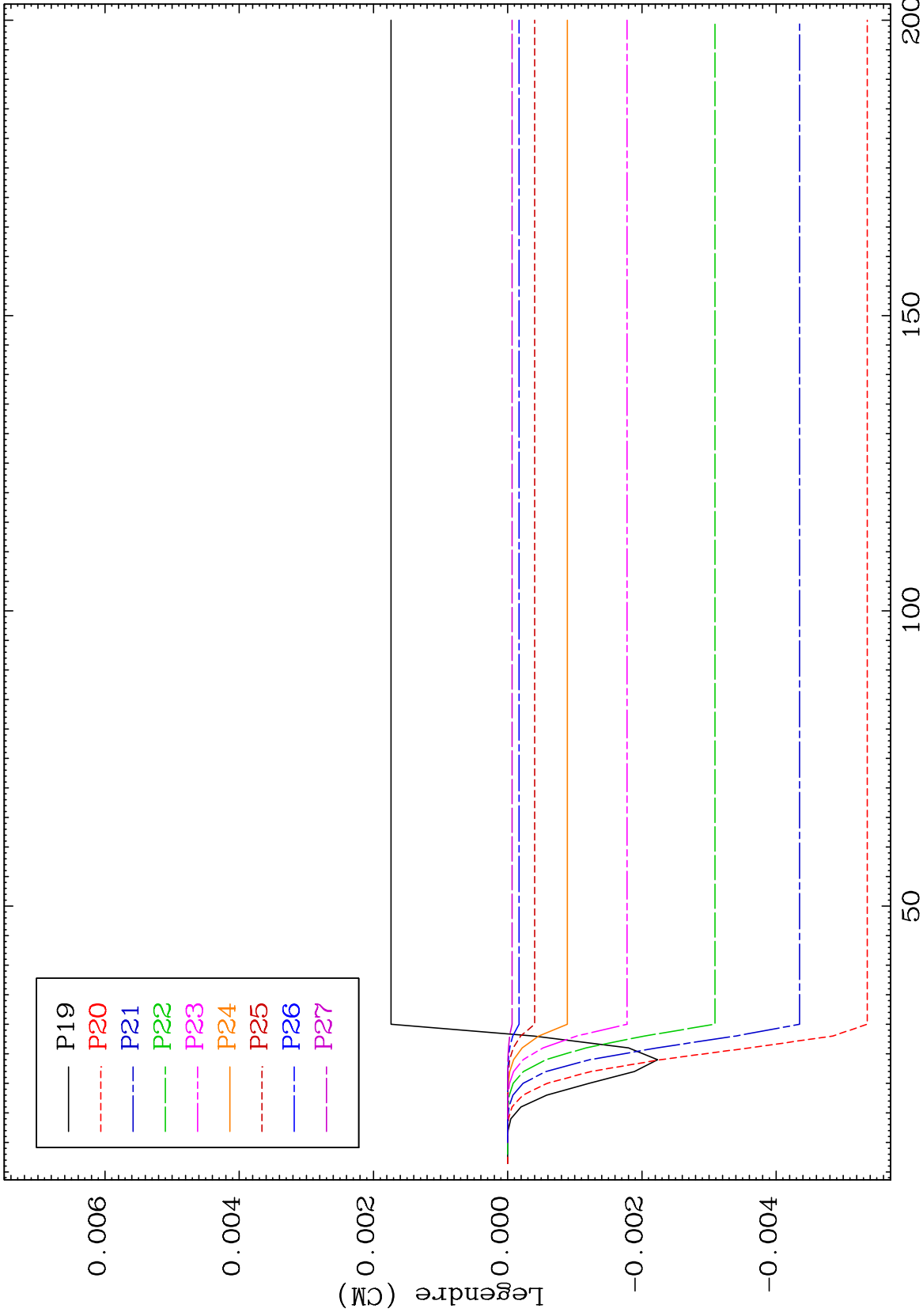
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



115

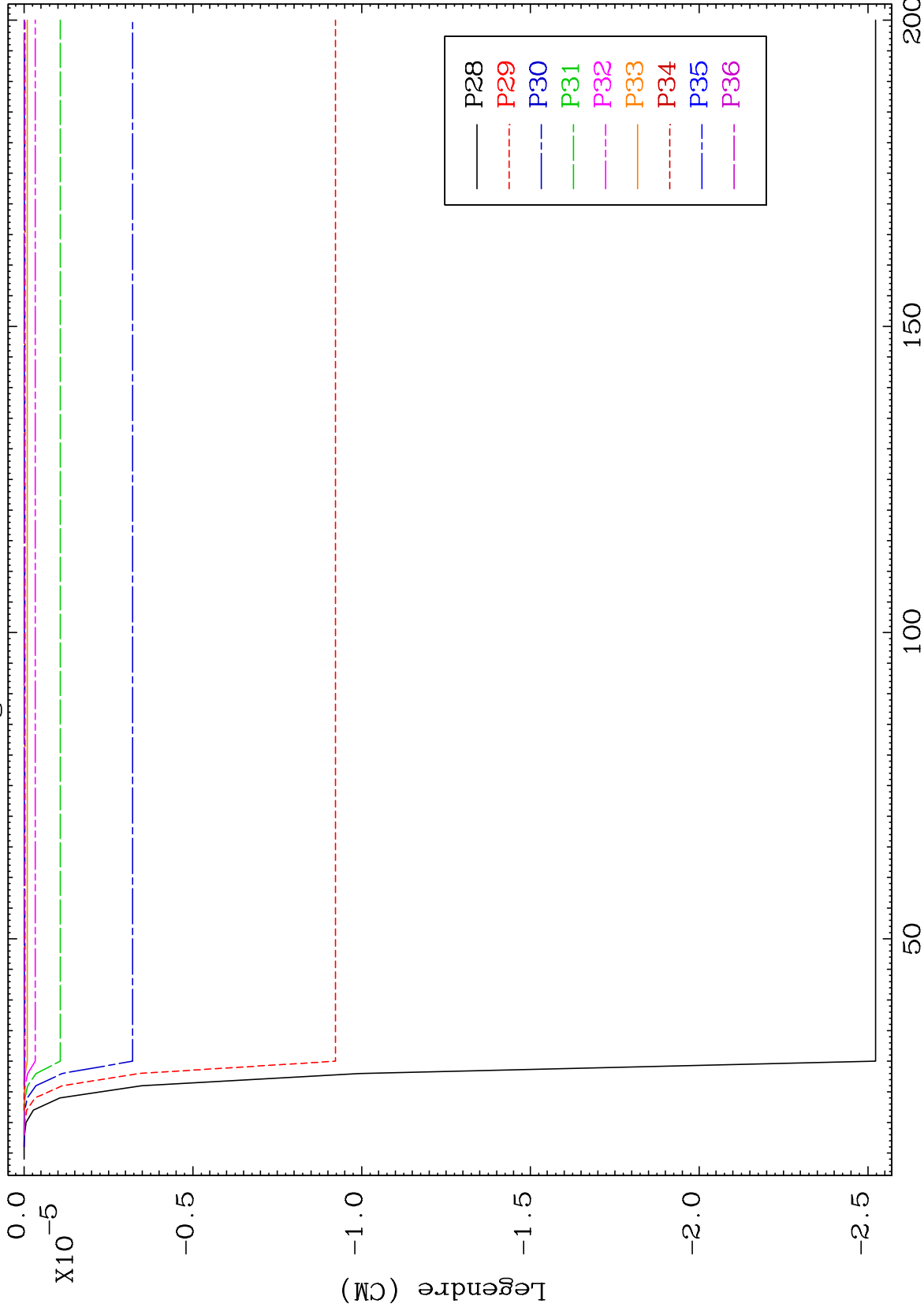
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



116

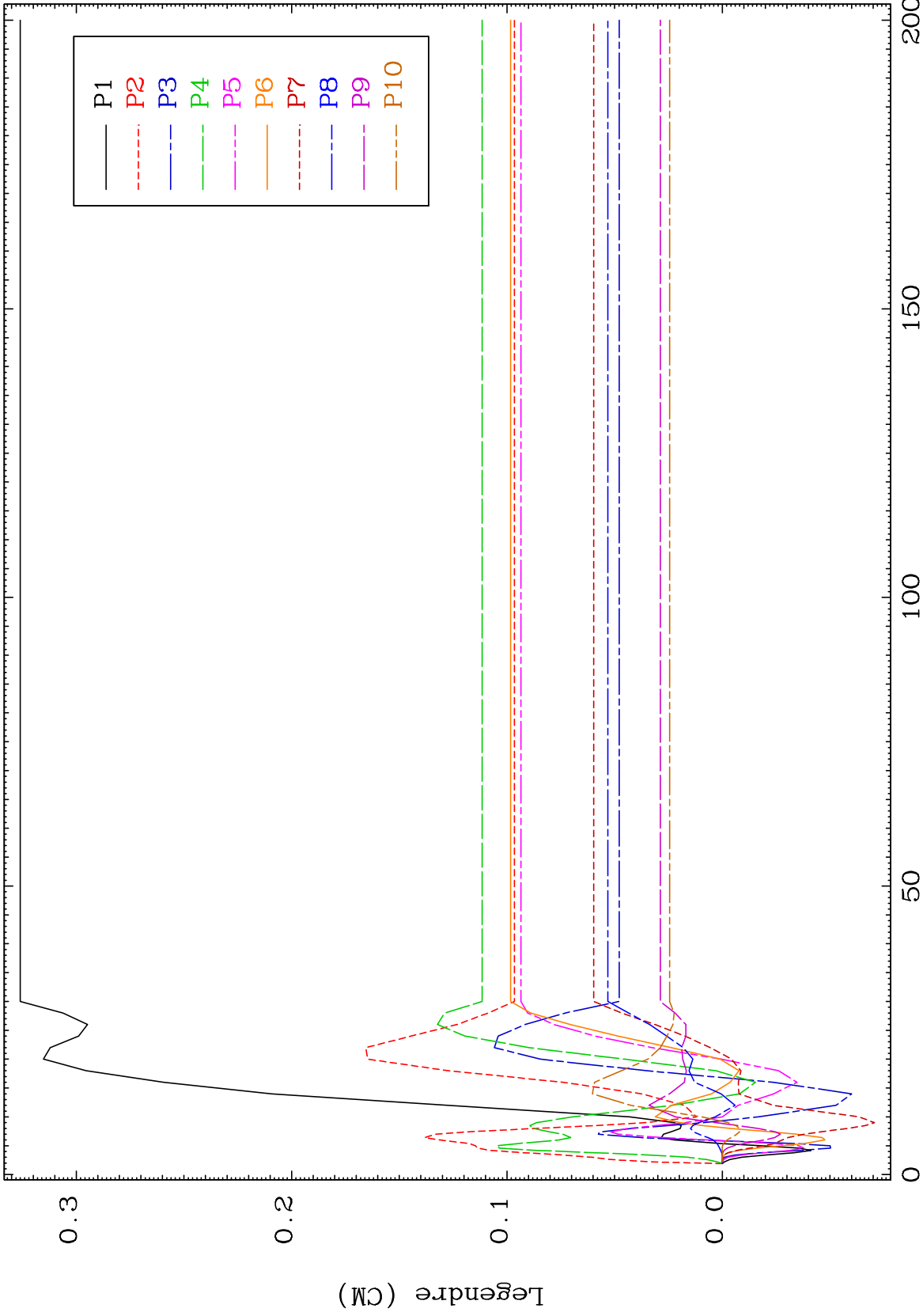
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



117

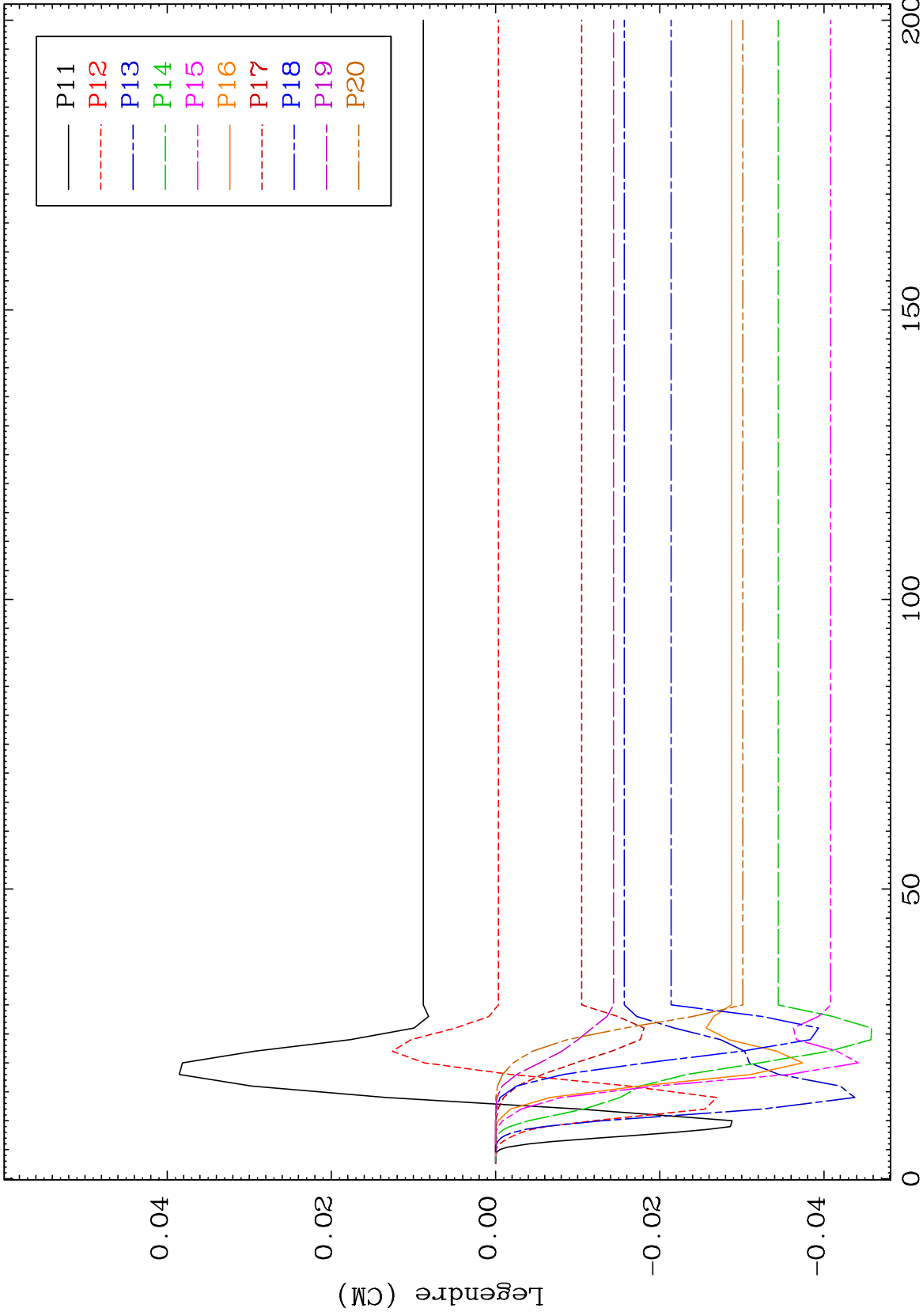
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

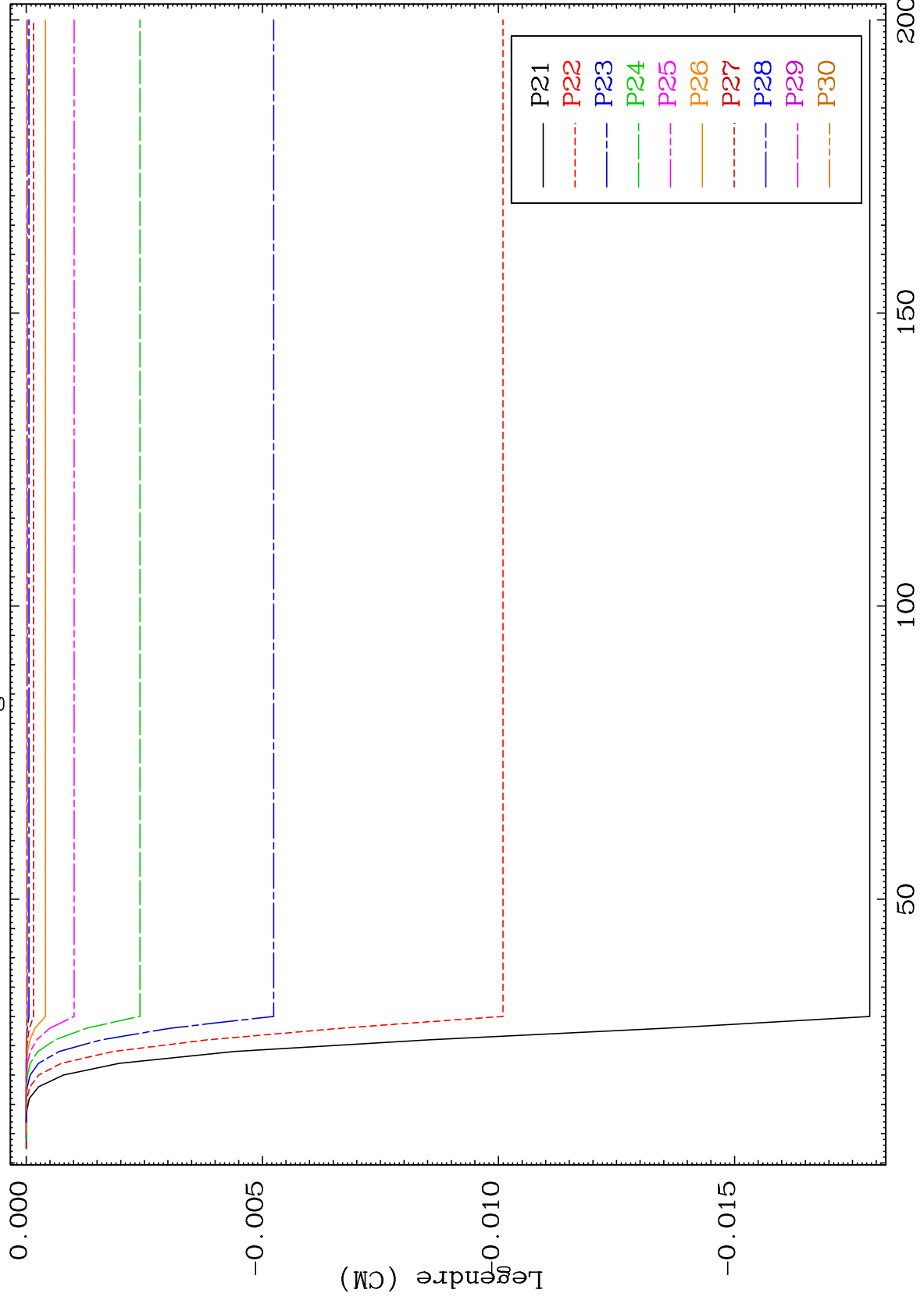
78-Pt-192



118

Incident Energy (MeV)

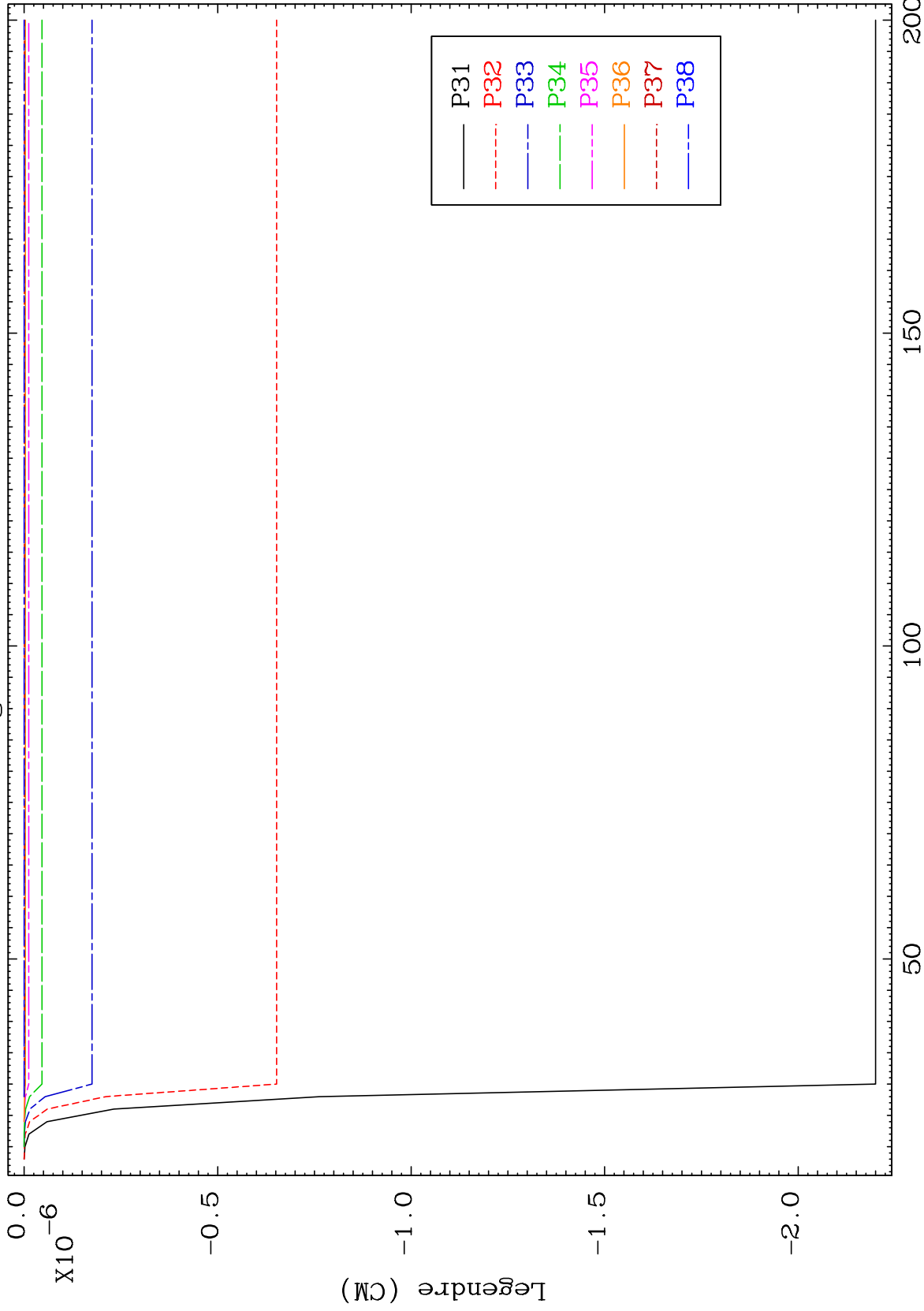
78-Pt-192



MAT 7831

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

78-Pt-192

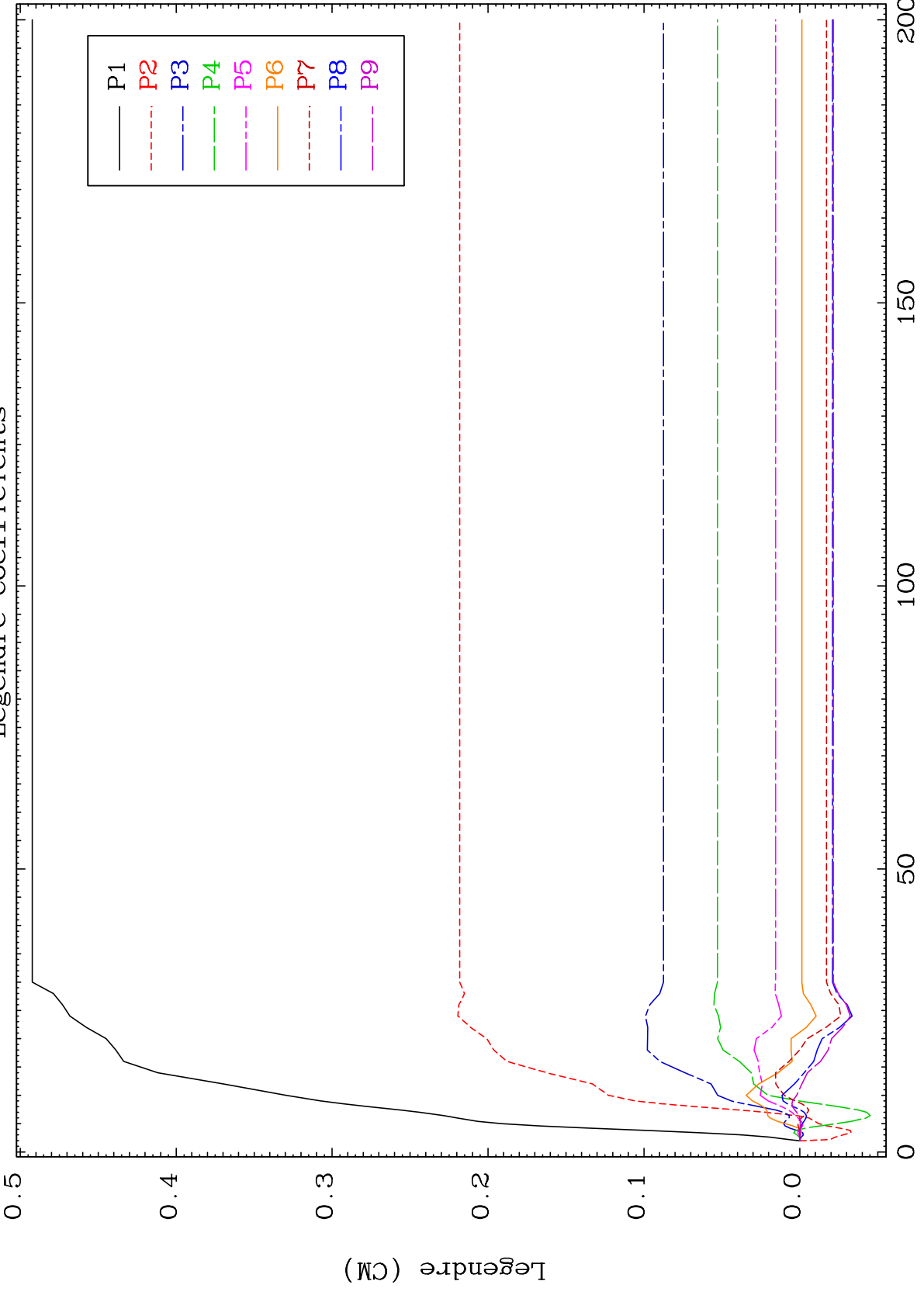


78-Pt-192

Incident Energy (MeV)

120

MAT 7831 MT= 79 (n,n') Level Legendre Coefficients 78-Pt-192

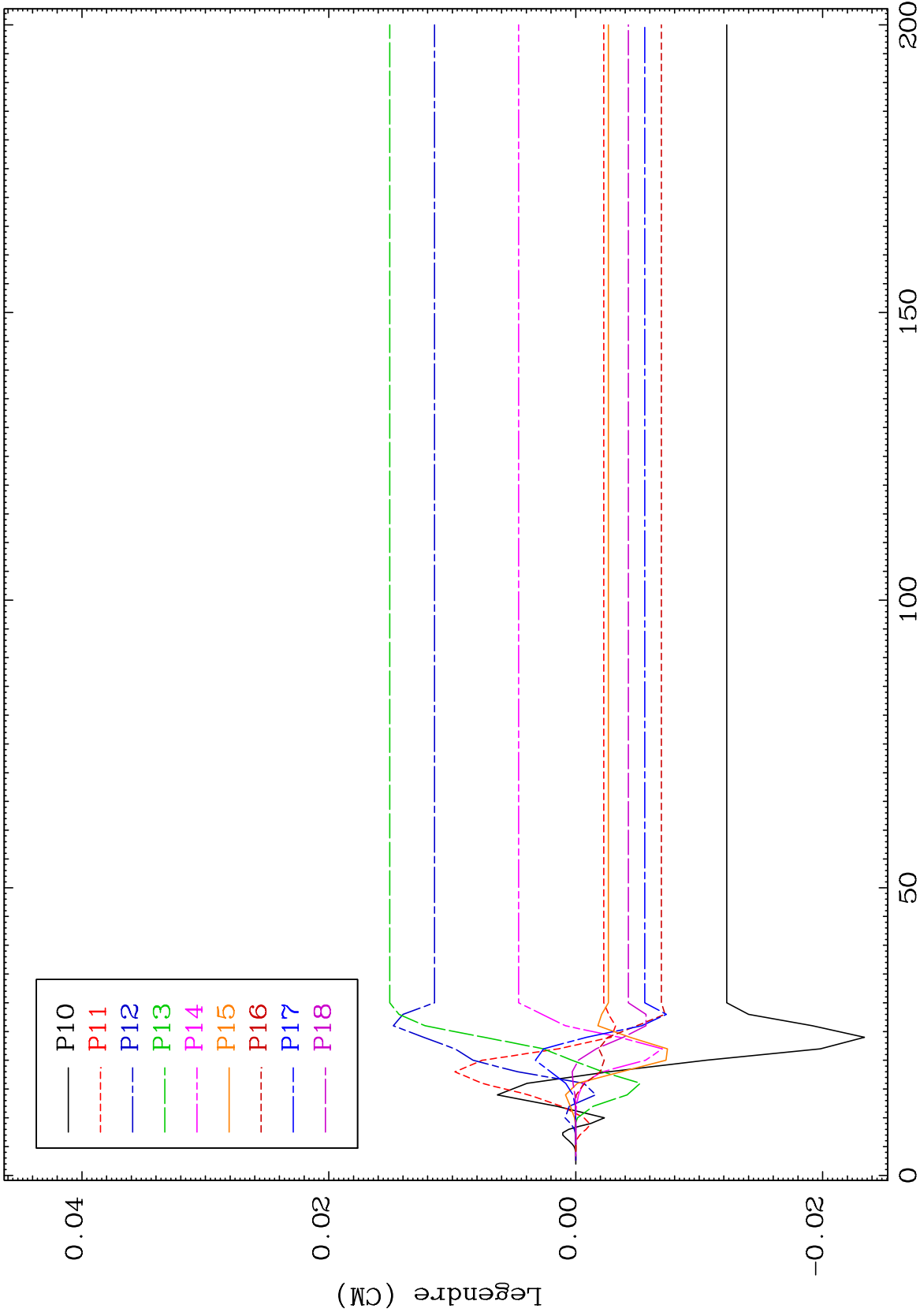


121 Incident Energy (MeV) 78-Pt-192

MAT 7831

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

78-Pt-192



122

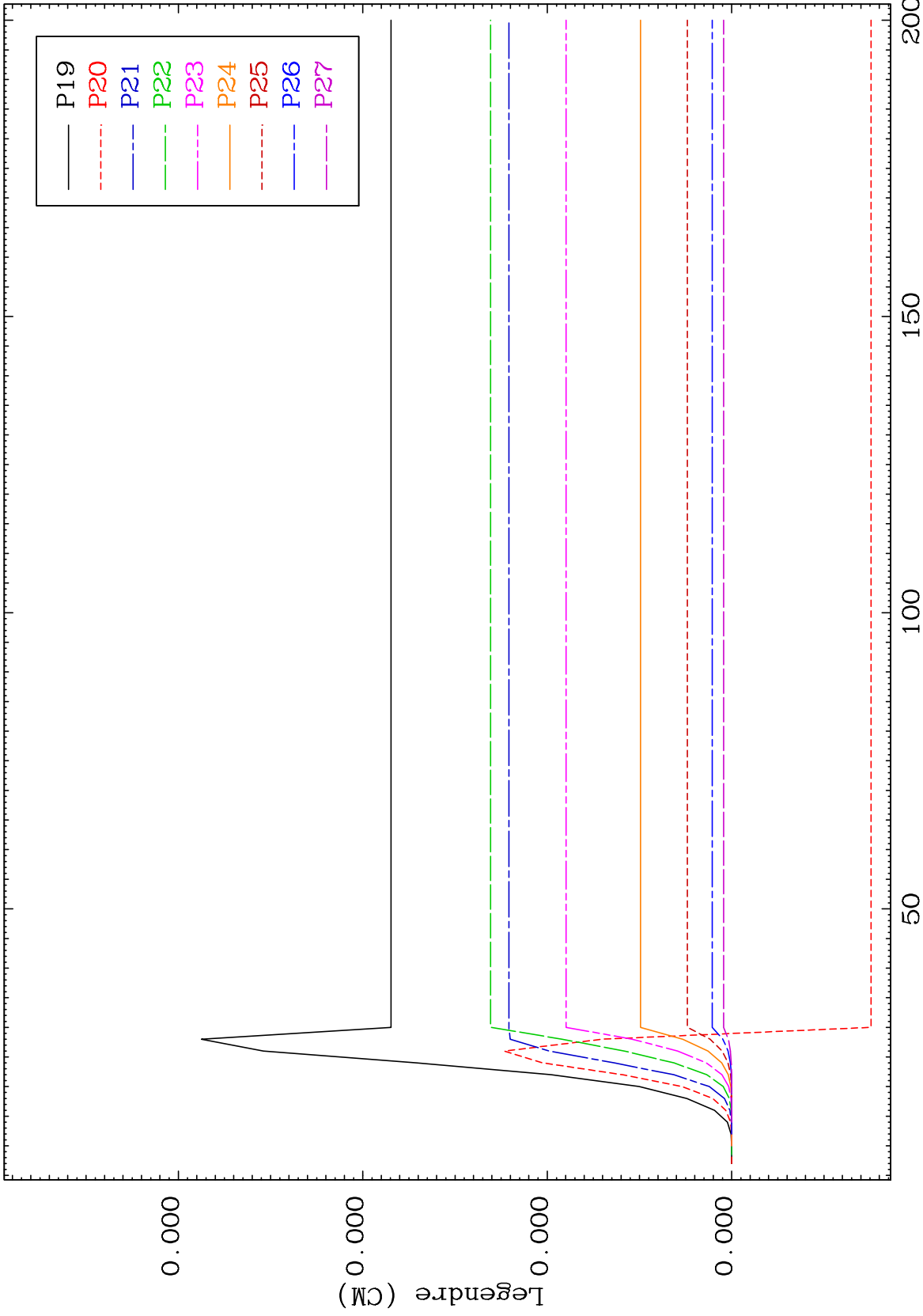
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



123

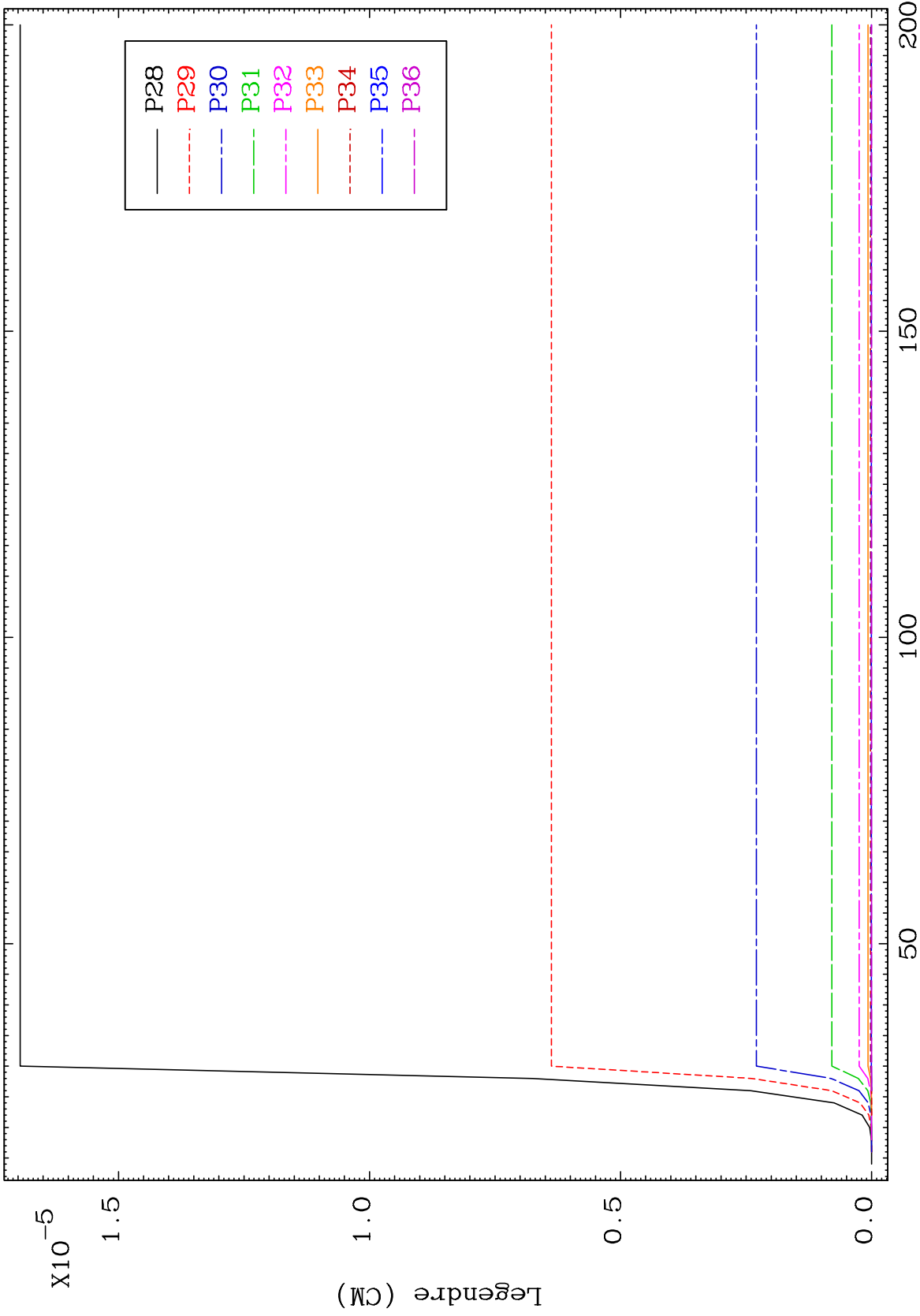
Incident Energy (MeV)

78-Pt-192

MAT 7831

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

78-Pt-192



124

Incident Energy (MeV)

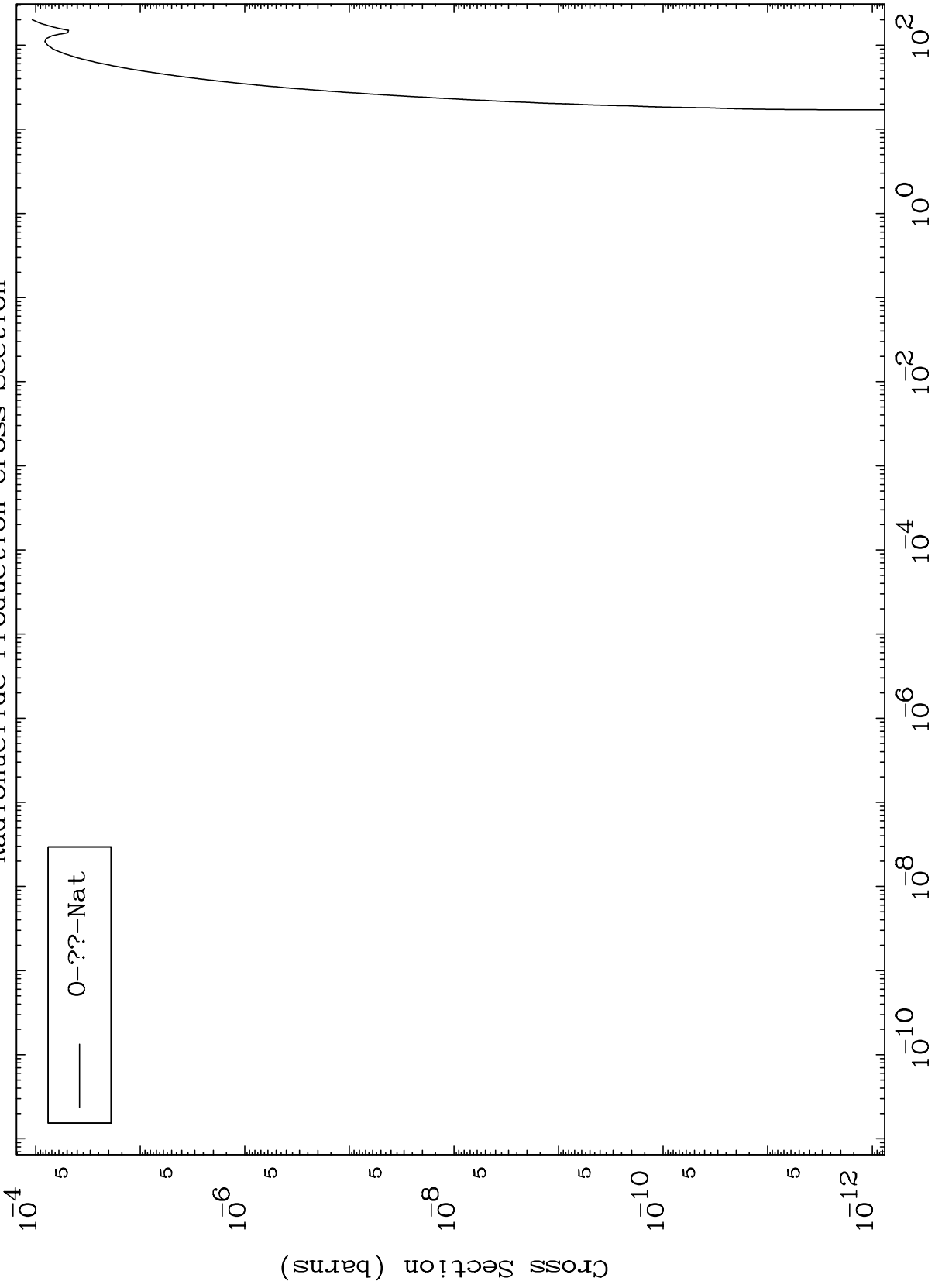
78-Pt-192

MAT 7831

Fission

78-Pt-192

Radionuclide Production Cross Section



125

Incident Energy (MeV)

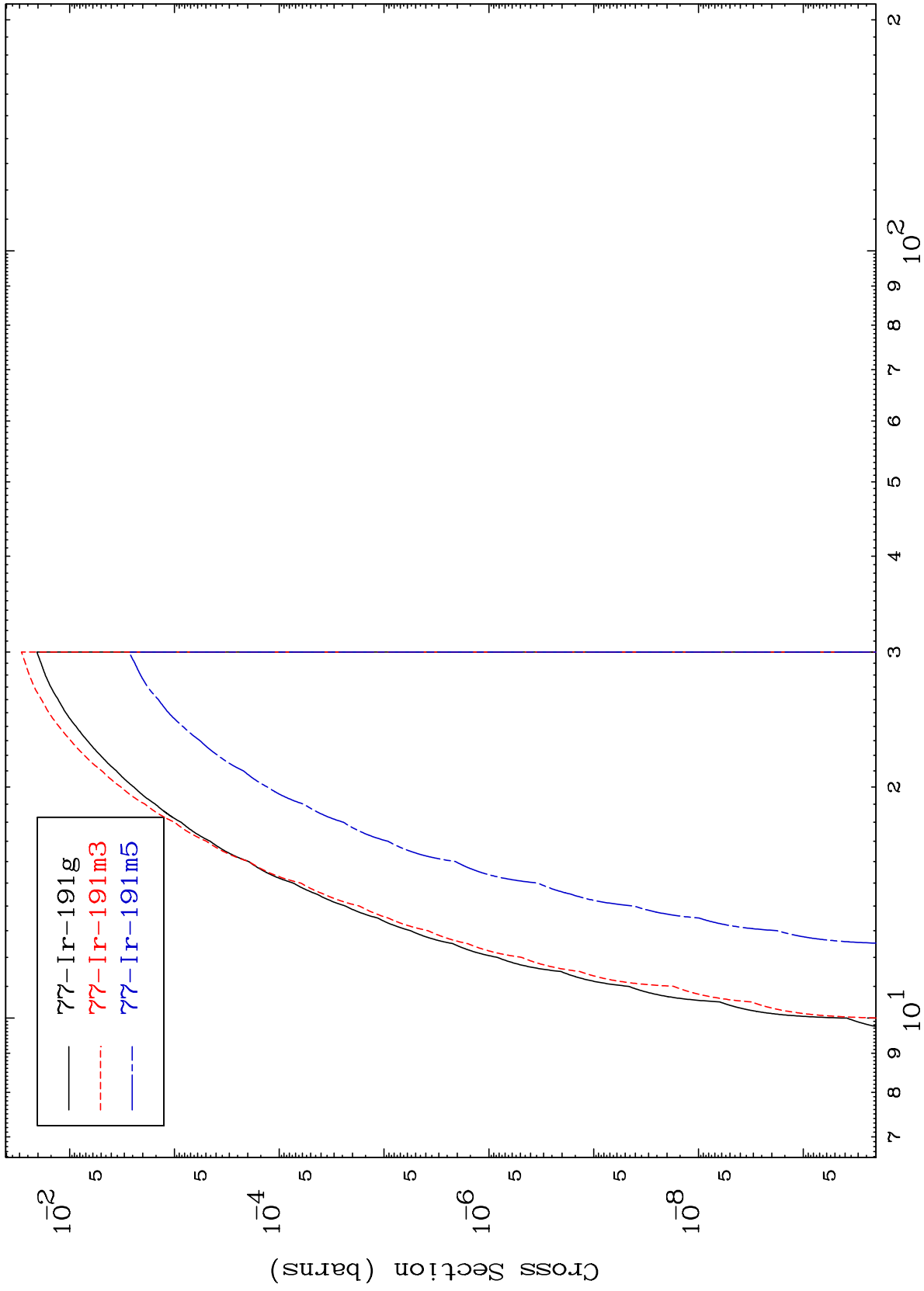
78-Pt-192

MAT 7831

(n,n') p

78-Pt-192

Radionuclide Production Cross Section



77-Ir-191g  
77-Ir-191m3  
77-Ir-191m5

126

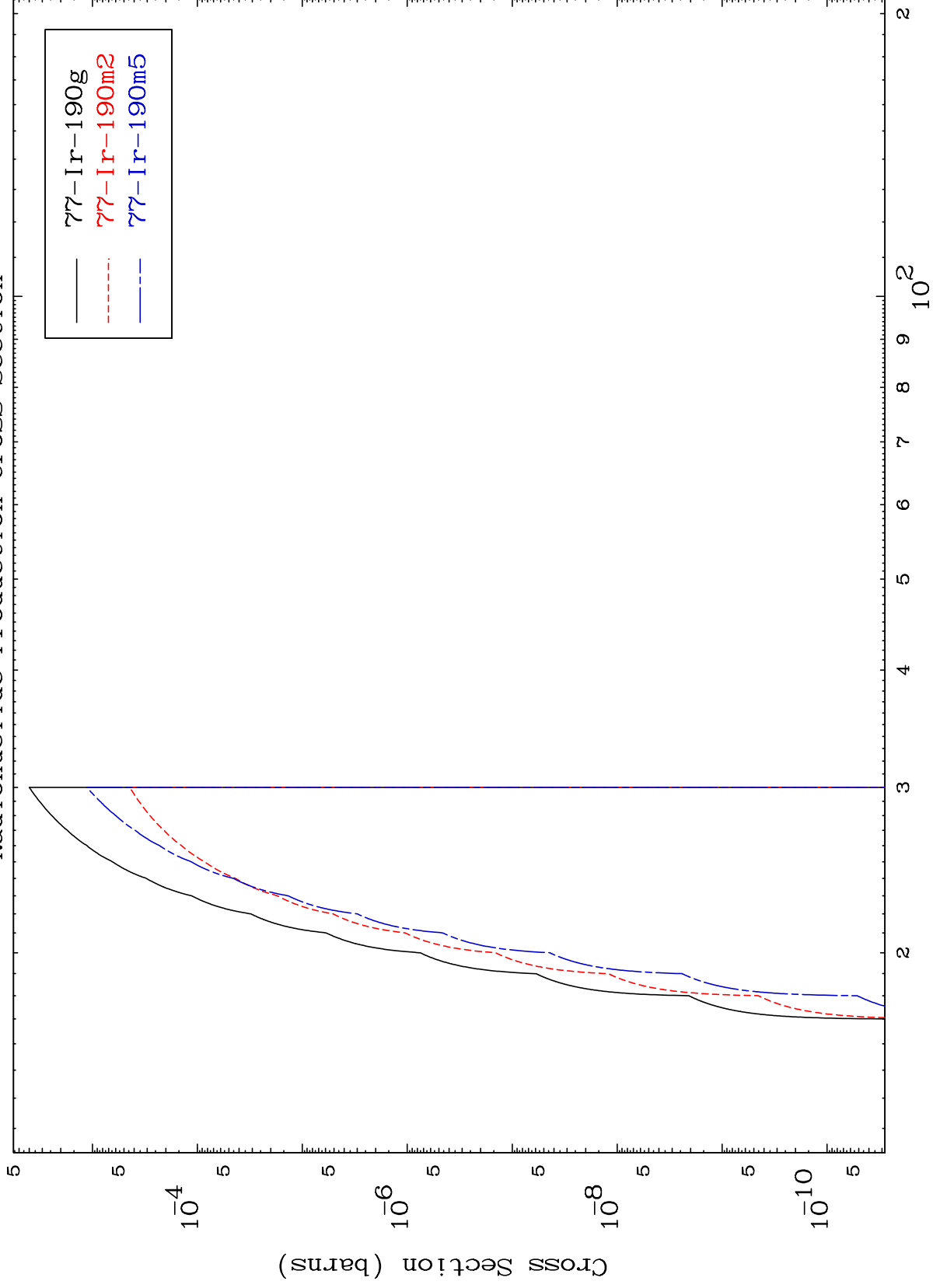
78-Pt-192

MAT 7831

(n,n') d

78-Pt-192

Radionuclide Production Cross Section



127

Incident Energy (MeV)

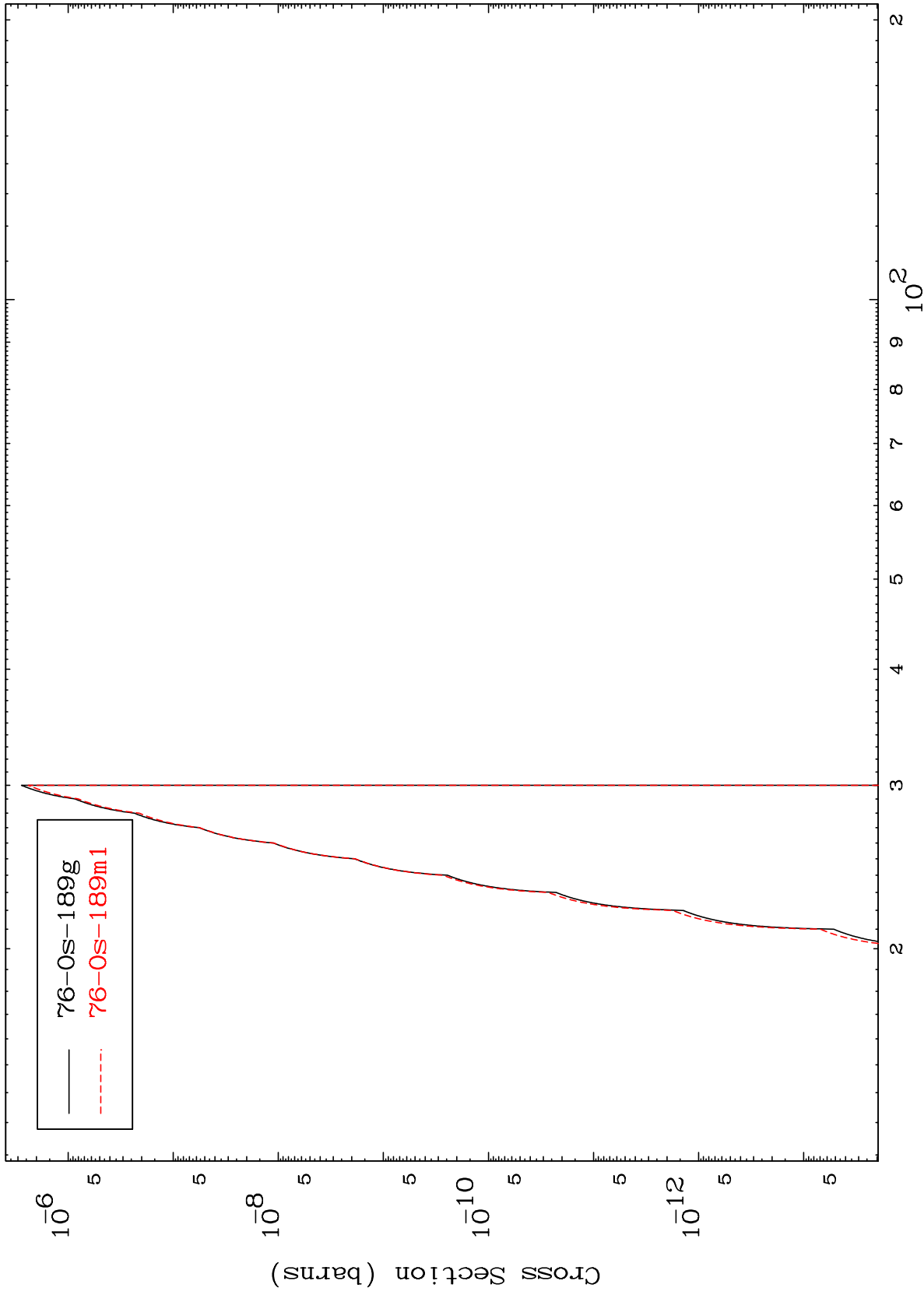
78-Pt-192

MAT 7831

(n, n') He-3

78-Pt-192

Radionuclide Production Cross Section



128

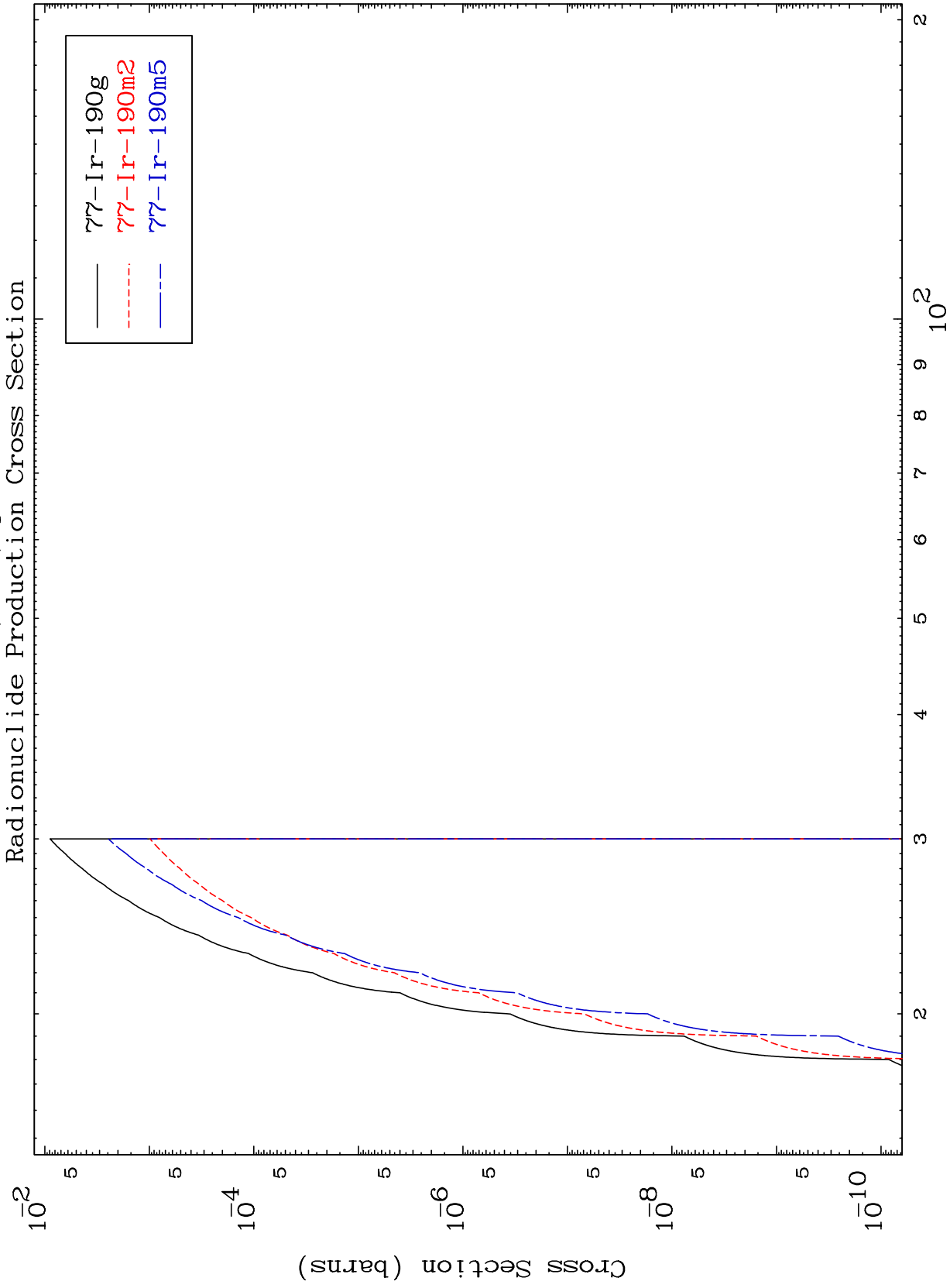
Incident Energy (MeV)

78-Pt-192

MAT 7831

(n,2n) p

78-Pt-192



129

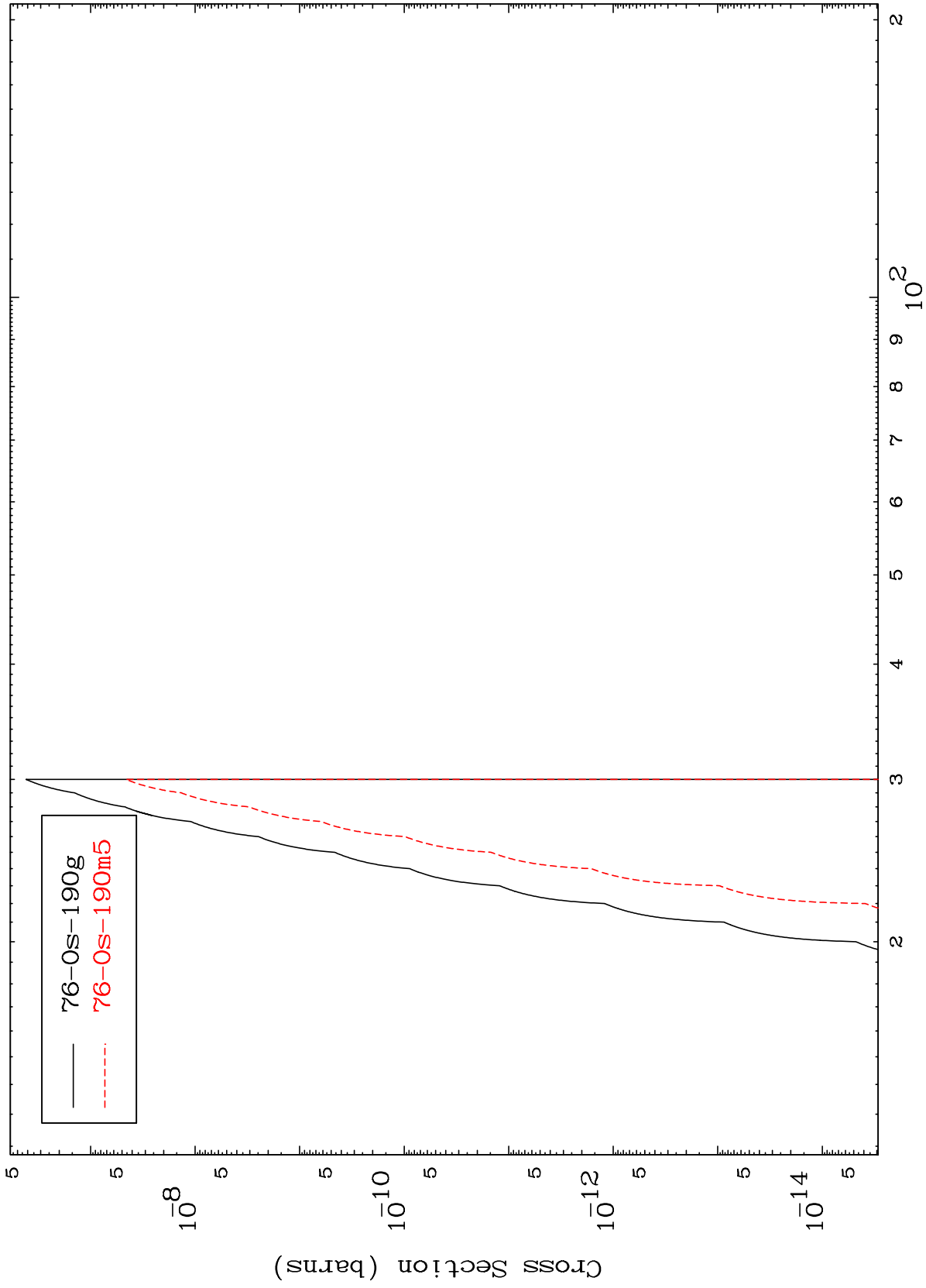
78-Pt-192

MAT 7831

(n,2n) p

78-Pt-192

Radionuclide Production Cross Section



130

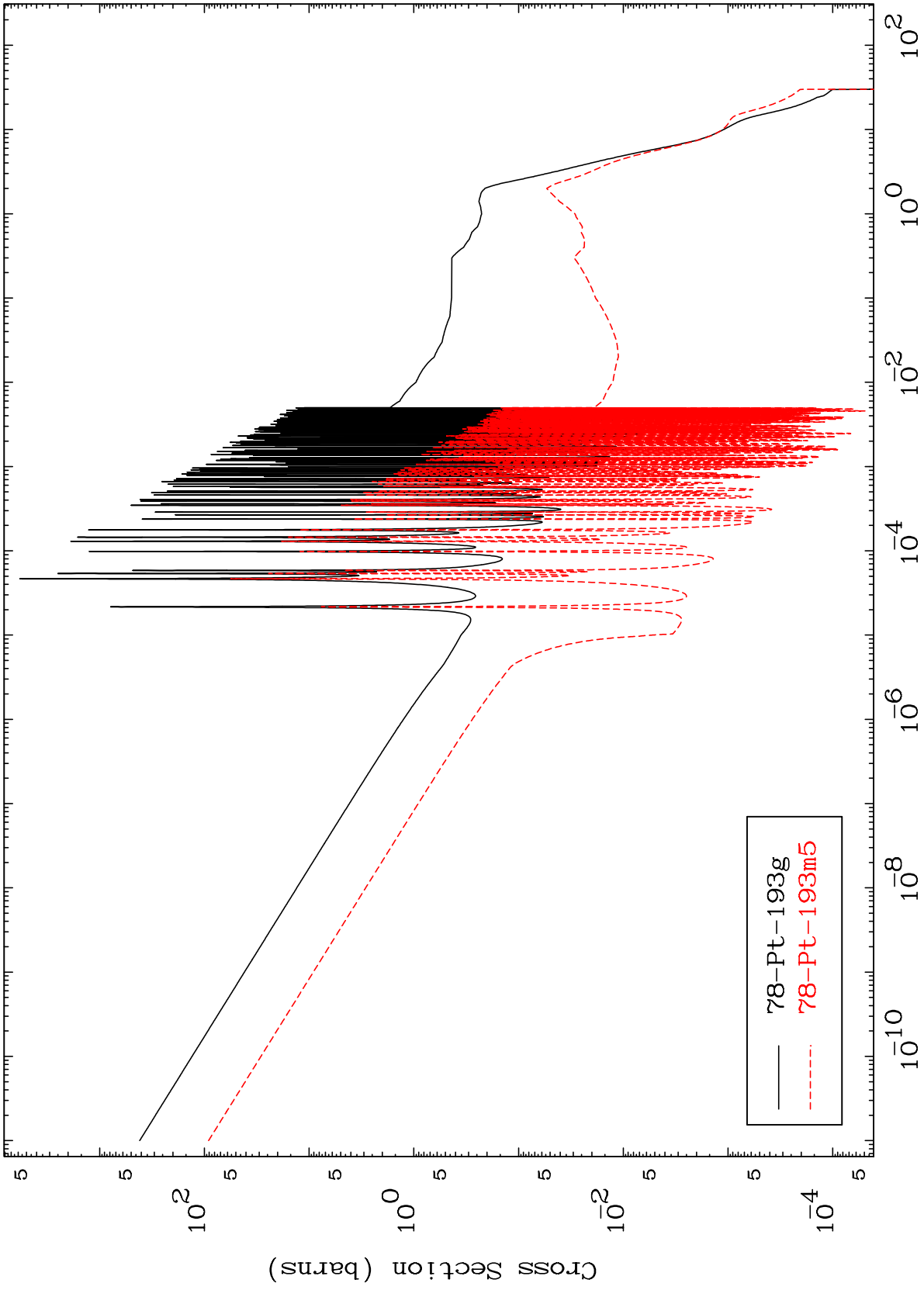
Incident Energy (MeV)

78-Pt-192

MAT 7831

78-Pt-192

(n,γ)  
Radionuclide Production Cross Section



131

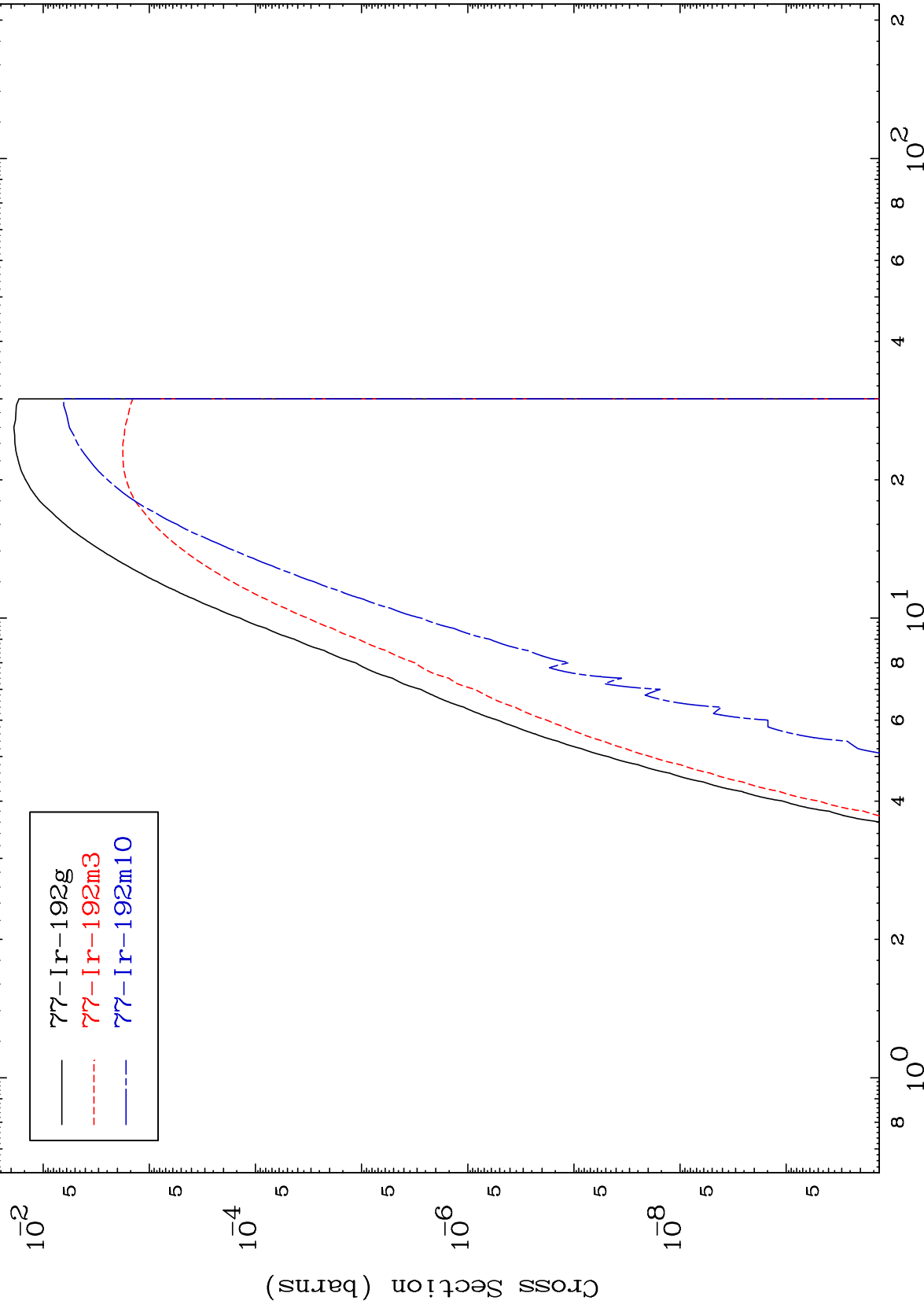
78-Pt-192

MAT 7831

(n,p)

<sup>78</sup>Pt-192

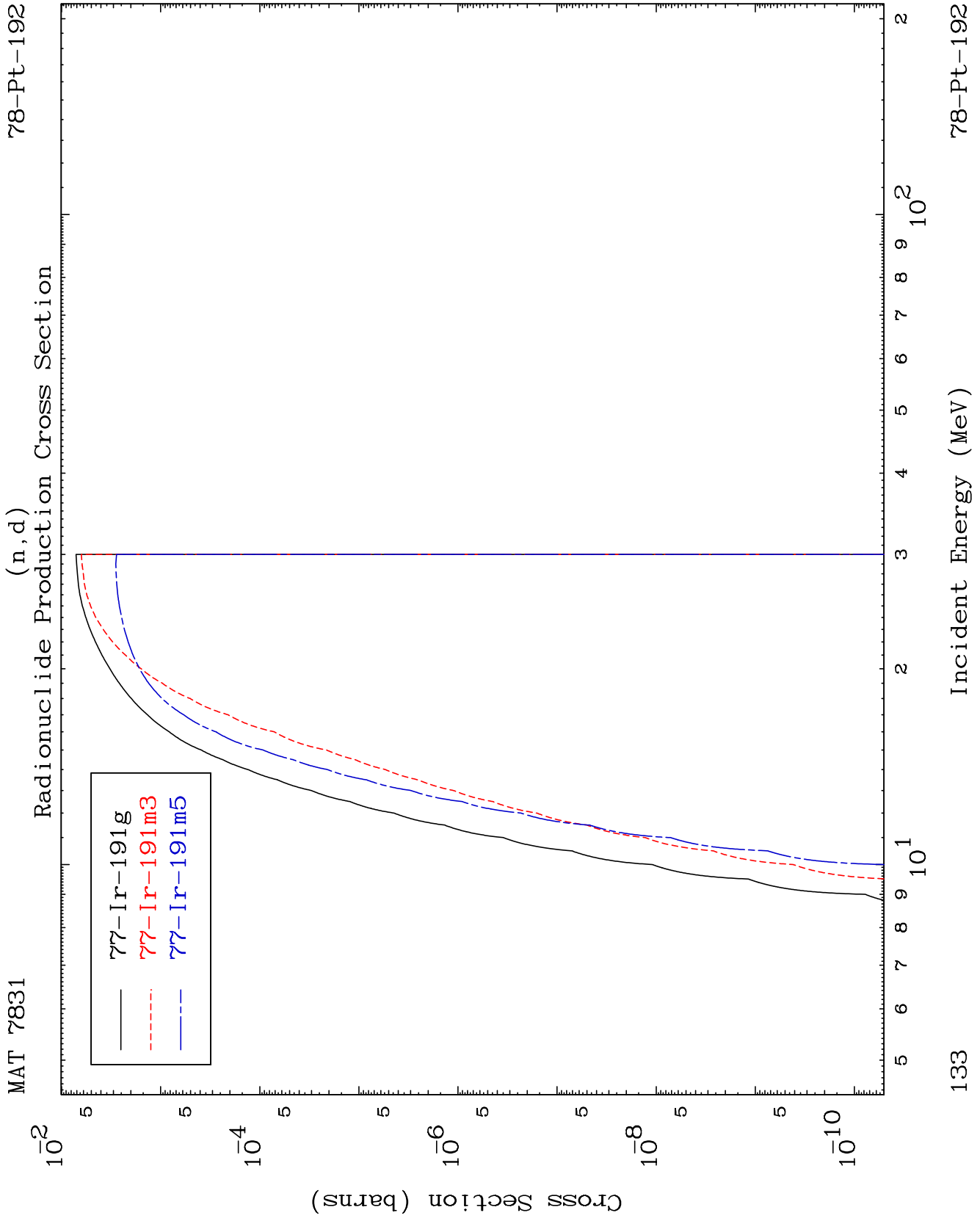
Radionuclide Production Cross Section



132

Incident Energy (MeV)

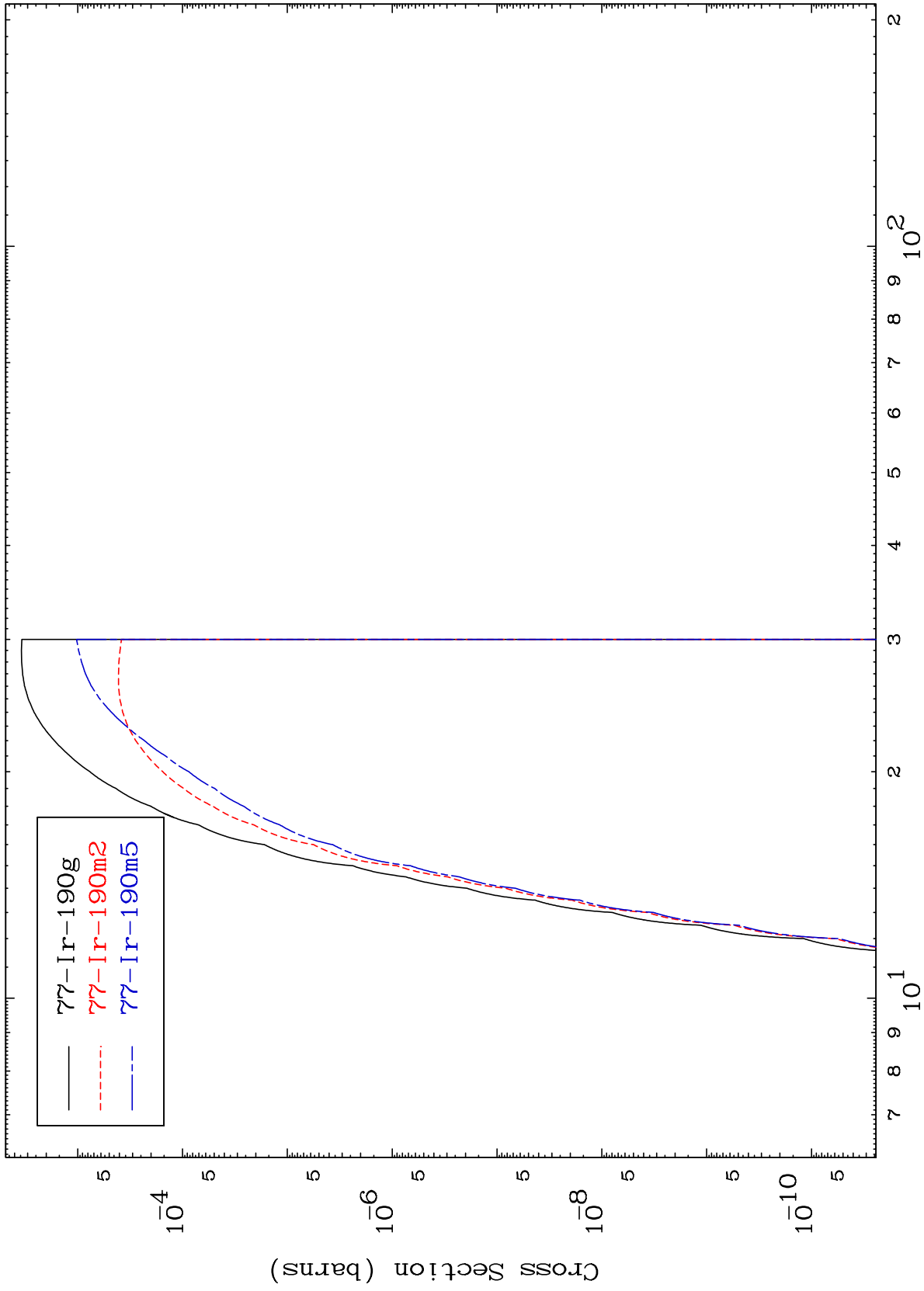
<sup>78</sup>Pt-192



MAT 7831

78-Pt-192

(n, t)  
Radionuclide Production Cross Section



134

Incident Energy (MeV)

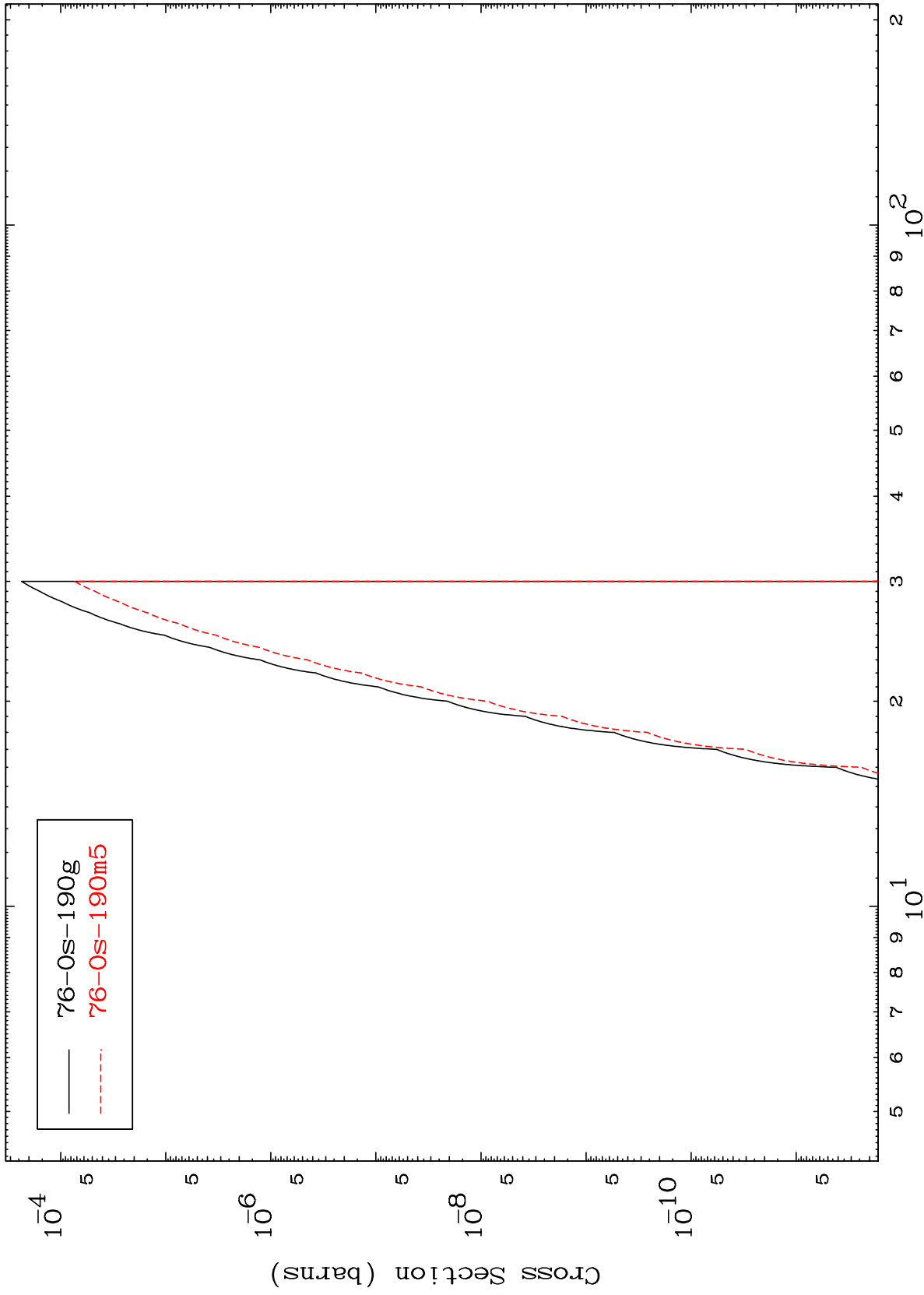
78-Pt-192

MAT 7831

(n, He-3)

78-Pt-192

Radionuclide Production Cross Section



135

Incident Energy (MeV)

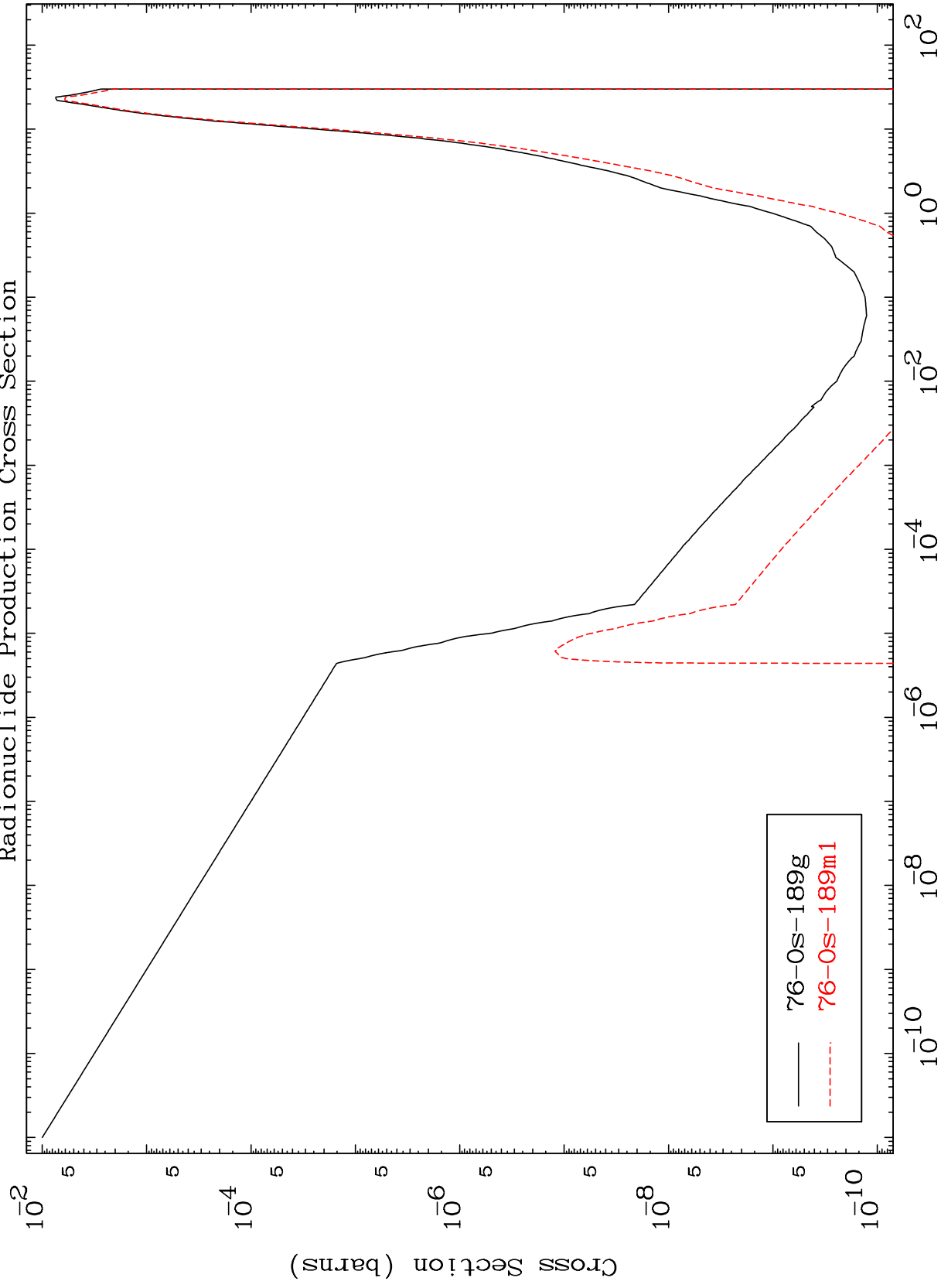
78-Pt-192

MAT 7831

(n,  $\alpha$ )

78-Pt-192

Radionuclide Production Cross Section



136

Incident Energy (MeV)

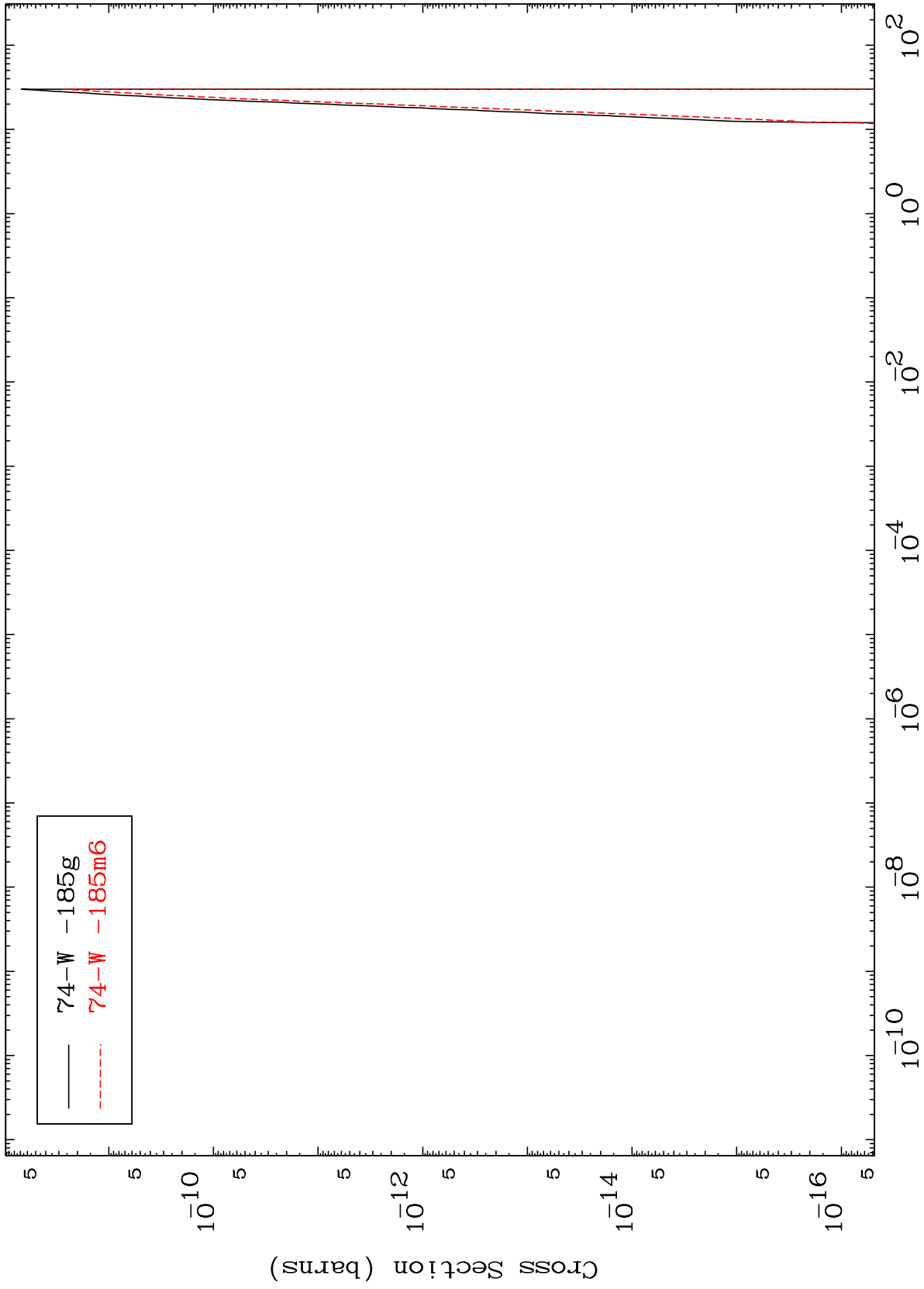
78-Pt-192

MAT 7831

(n,2α)

78-Pt-192

Radionuclide Production Cross Section



137

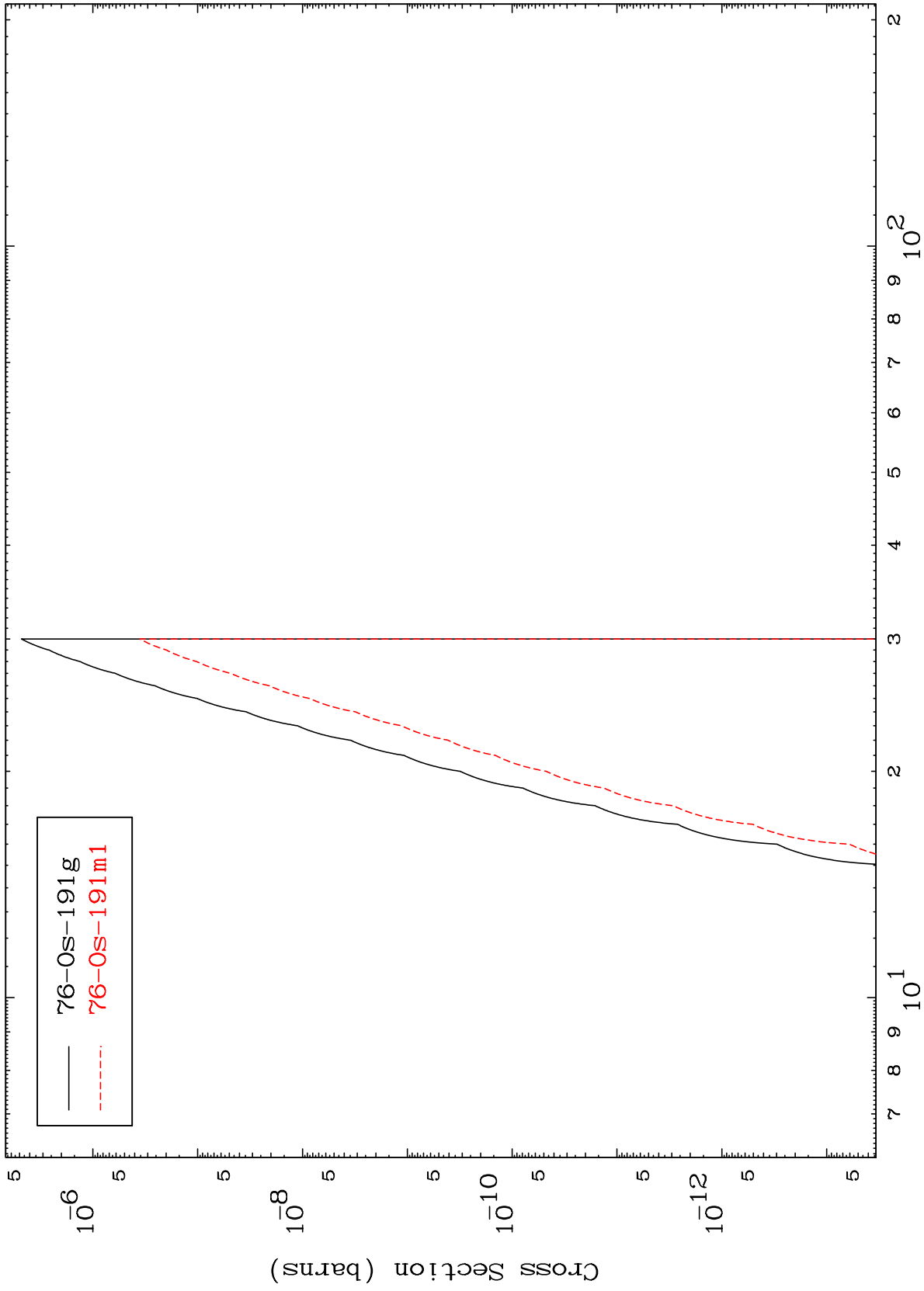
Incident Energy (MeV)

78-Pt-192

MAT 7831

78-Pt-192

(n,2p)  
Radionuclide Production Cross Section



138

Incident Energy (MeV)

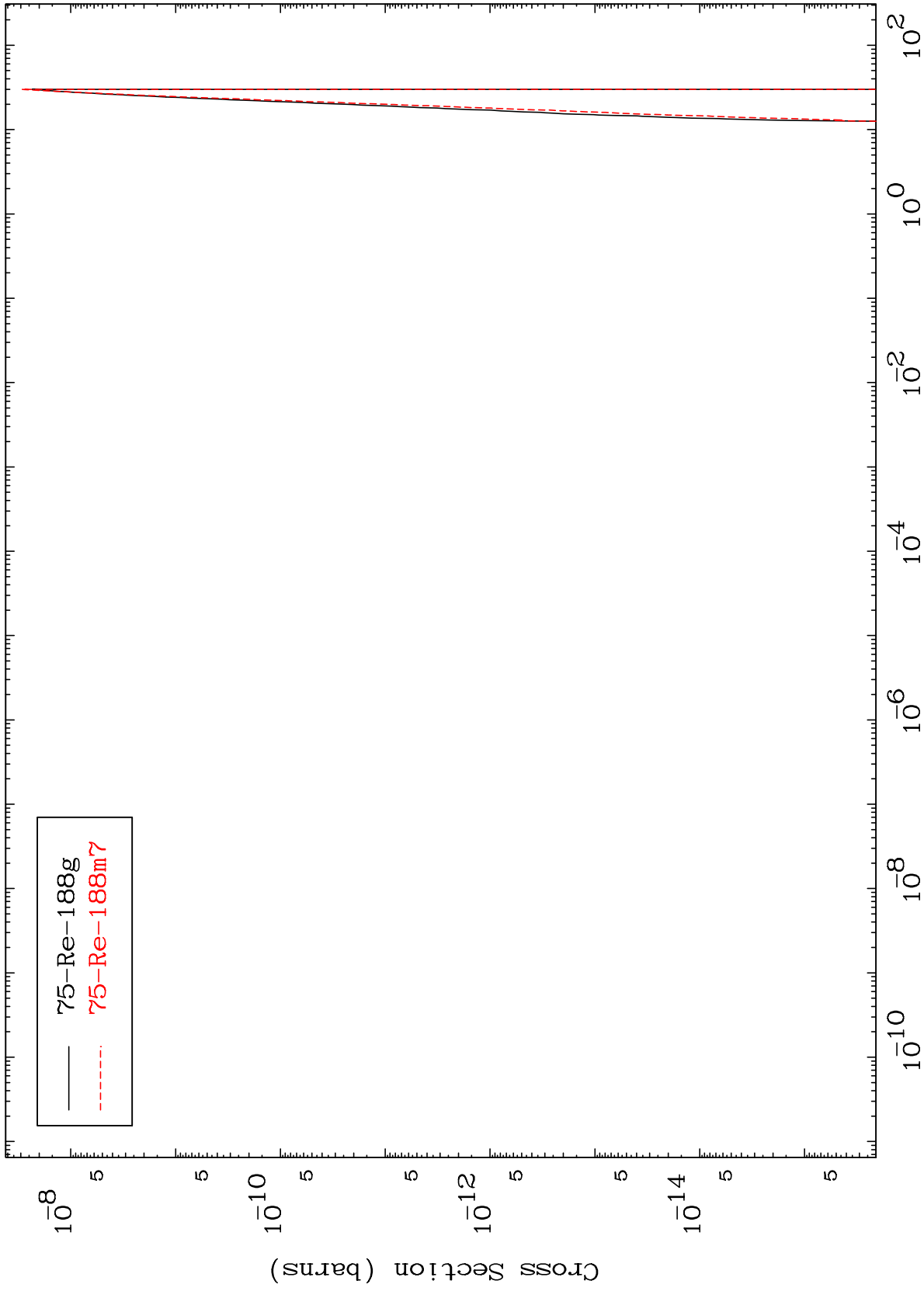
78-Pt-192

MAT 7831

(n,p)  $\alpha$

78-Pt-192

Radionuclide Production Cross Section



139

Incident Energy (MeV)

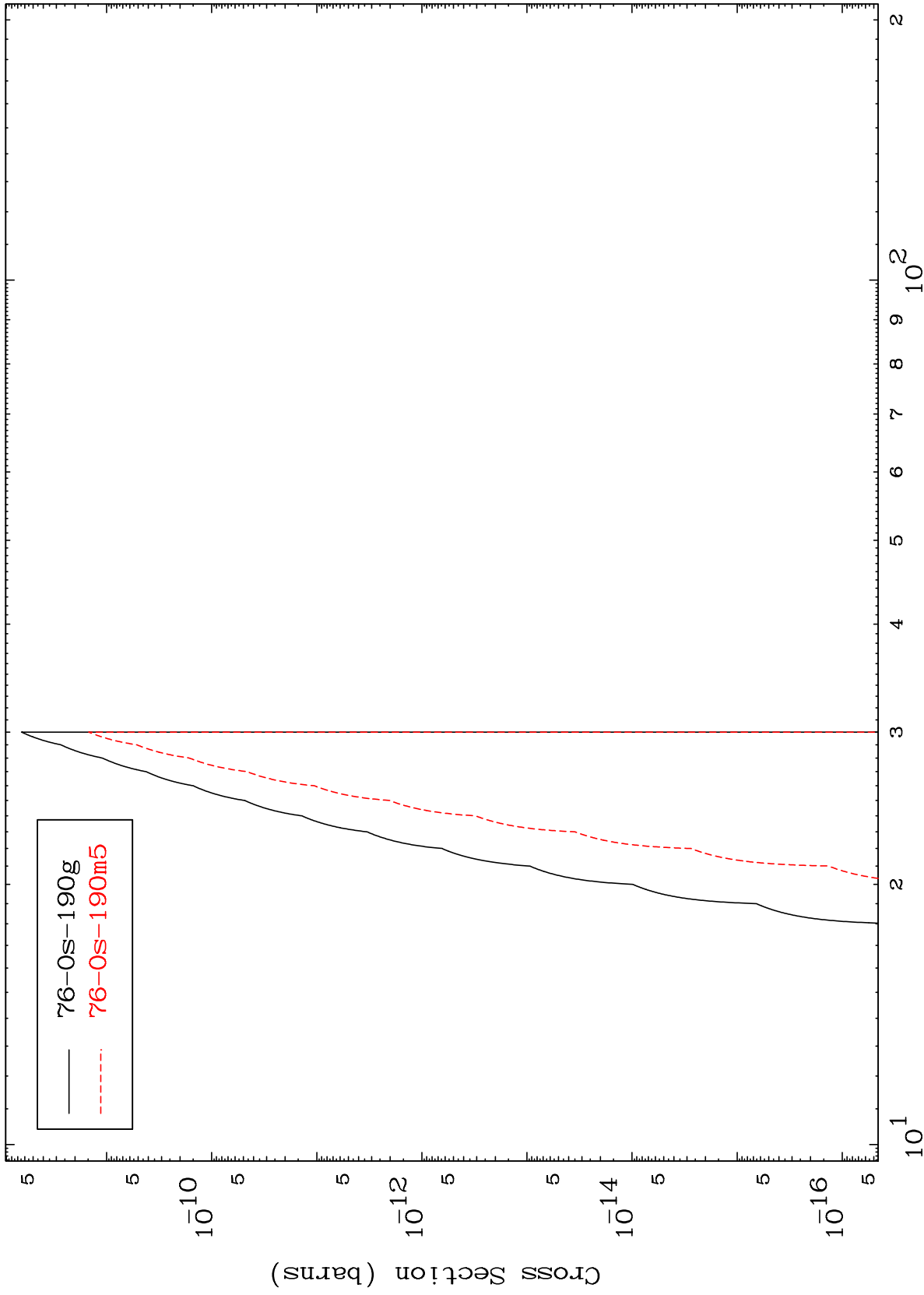
78-Pt-192

MAT 7831

(n,p) d

78-Pt-192

Radionuclide Production Cross Section



140

Incident Energy (MeV)

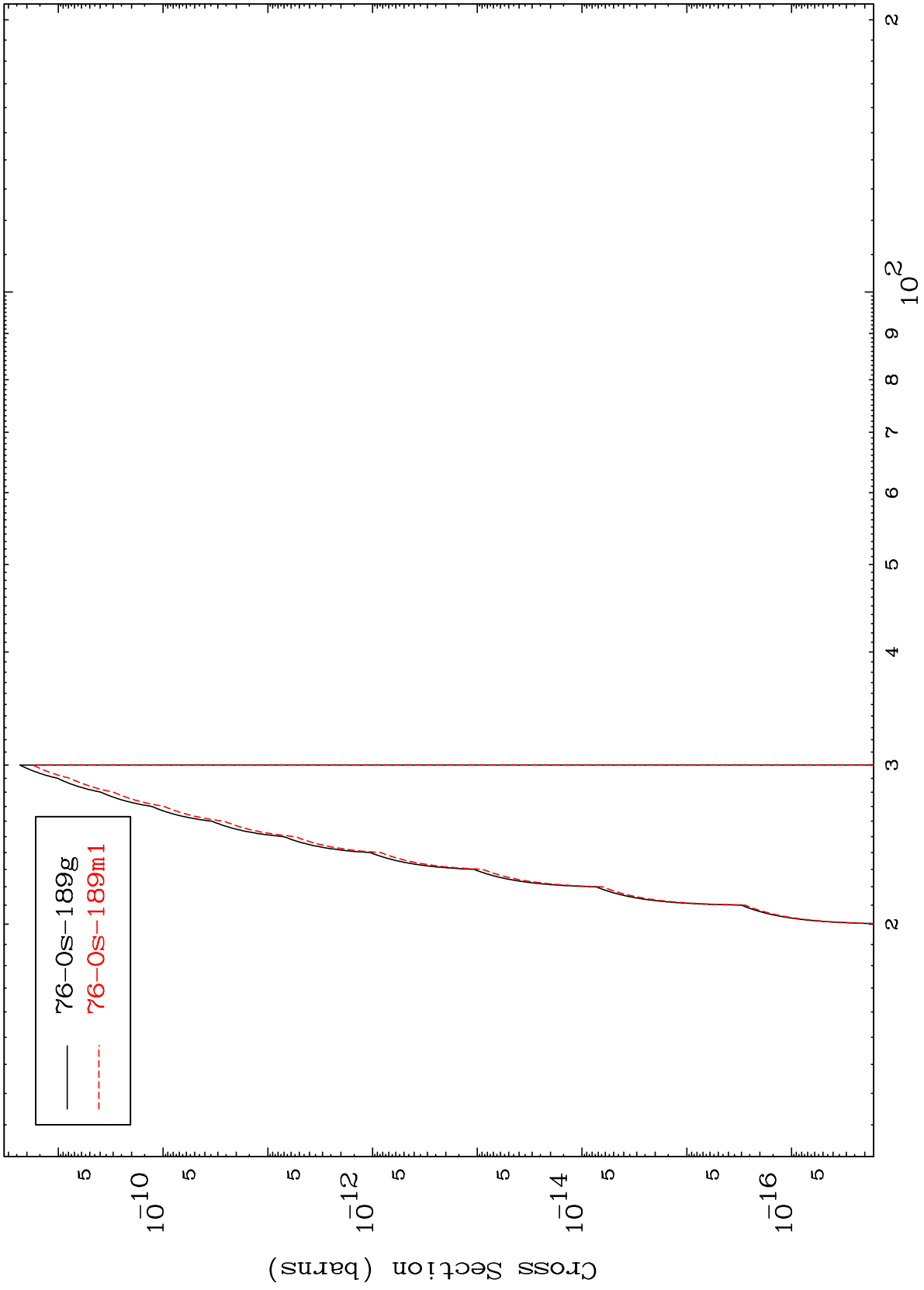
78-Pt-192

MAT 7831

(n,p) t

78-Pt-192

Radionuclide Production Cross Section



141

Incident Energy (MeV)

78-Pt-192