

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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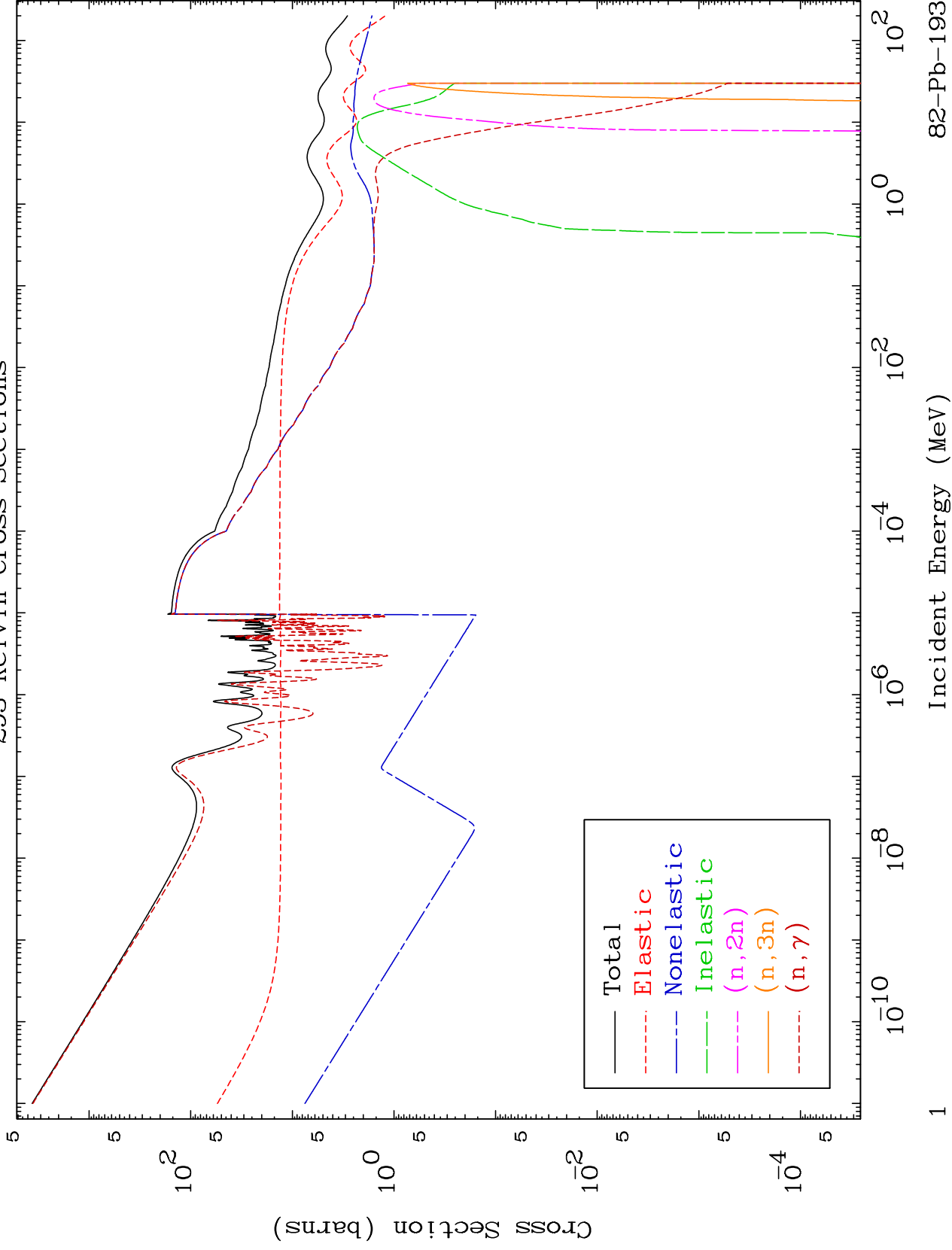
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8192

Neutron Major  
293 Kelvin Cross Sections

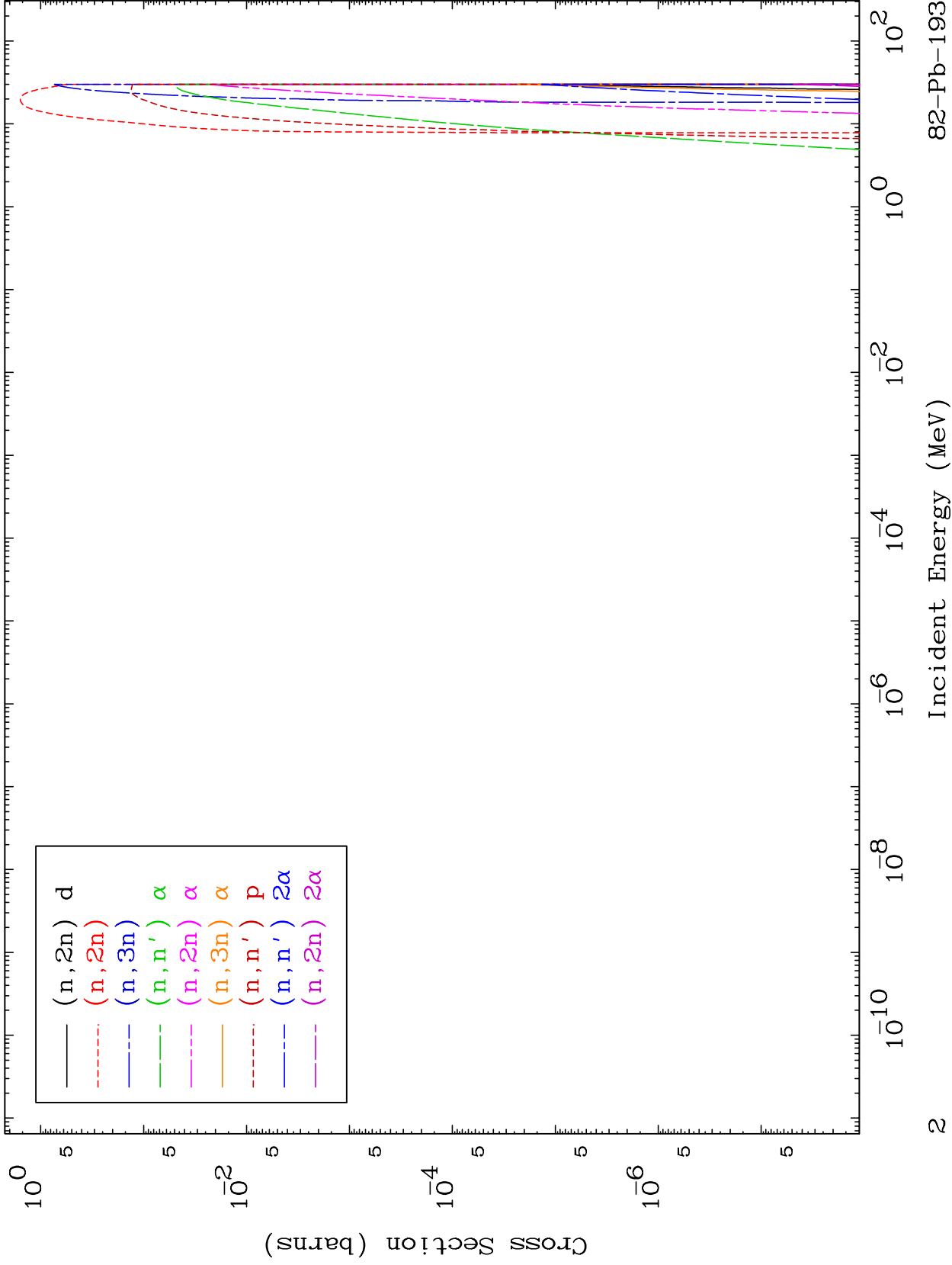
82-Pb-193



MAT 8192

Neutron Absorption  
293 Kelvin Cross Sections

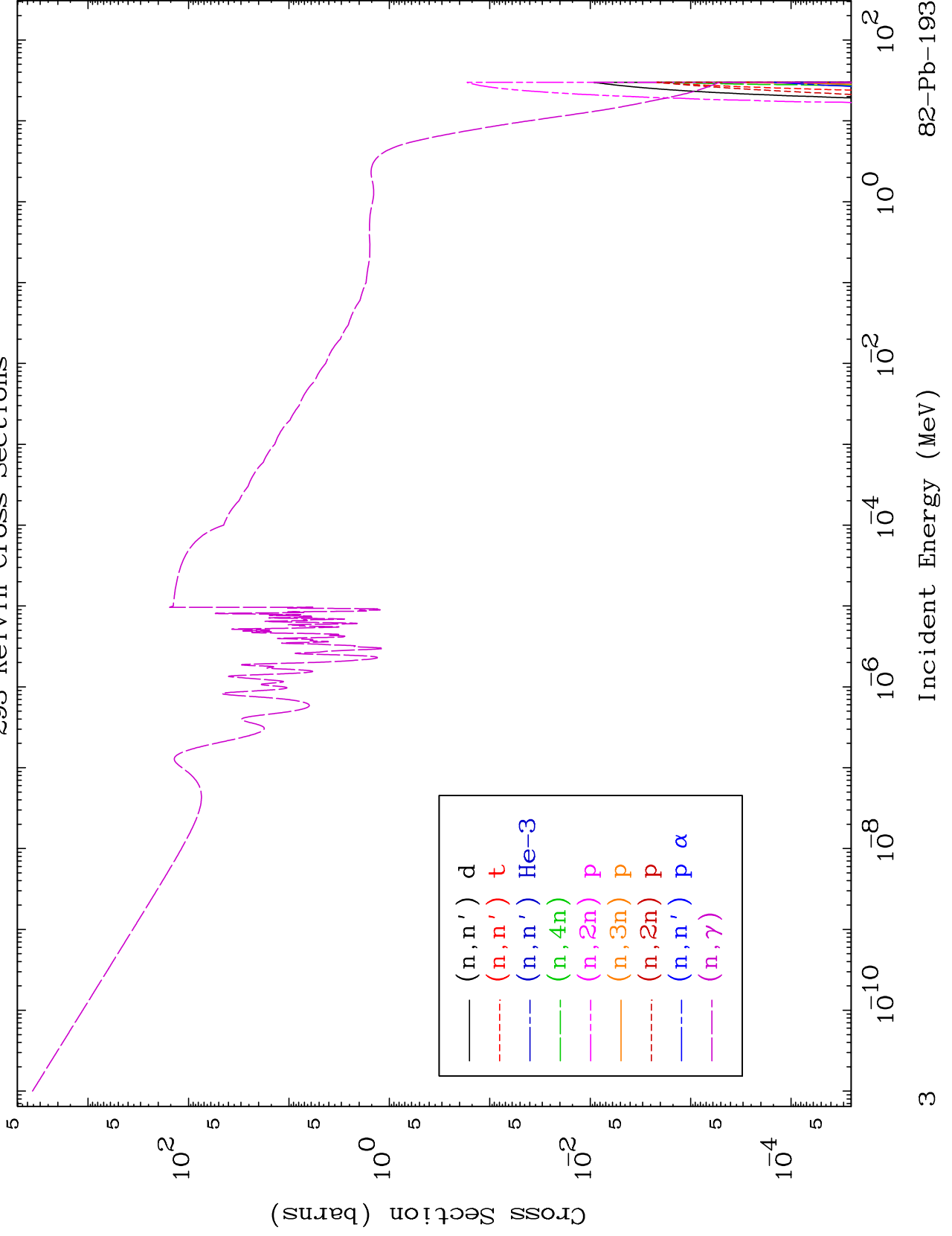
82-Pb-193



MAT 8192

Neutron Absorption  
293 Kelvin Cross Sections

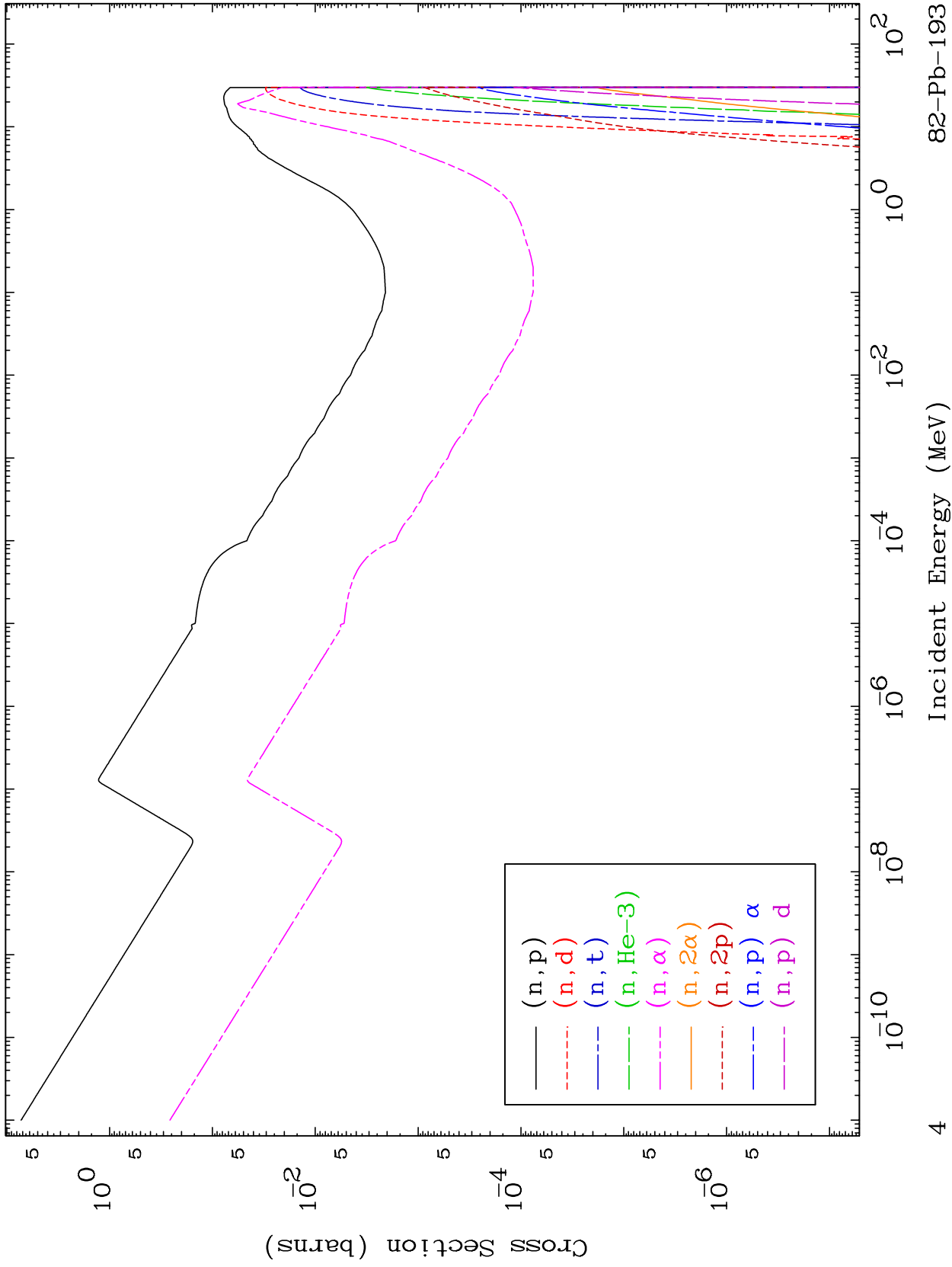
82-Pb-193

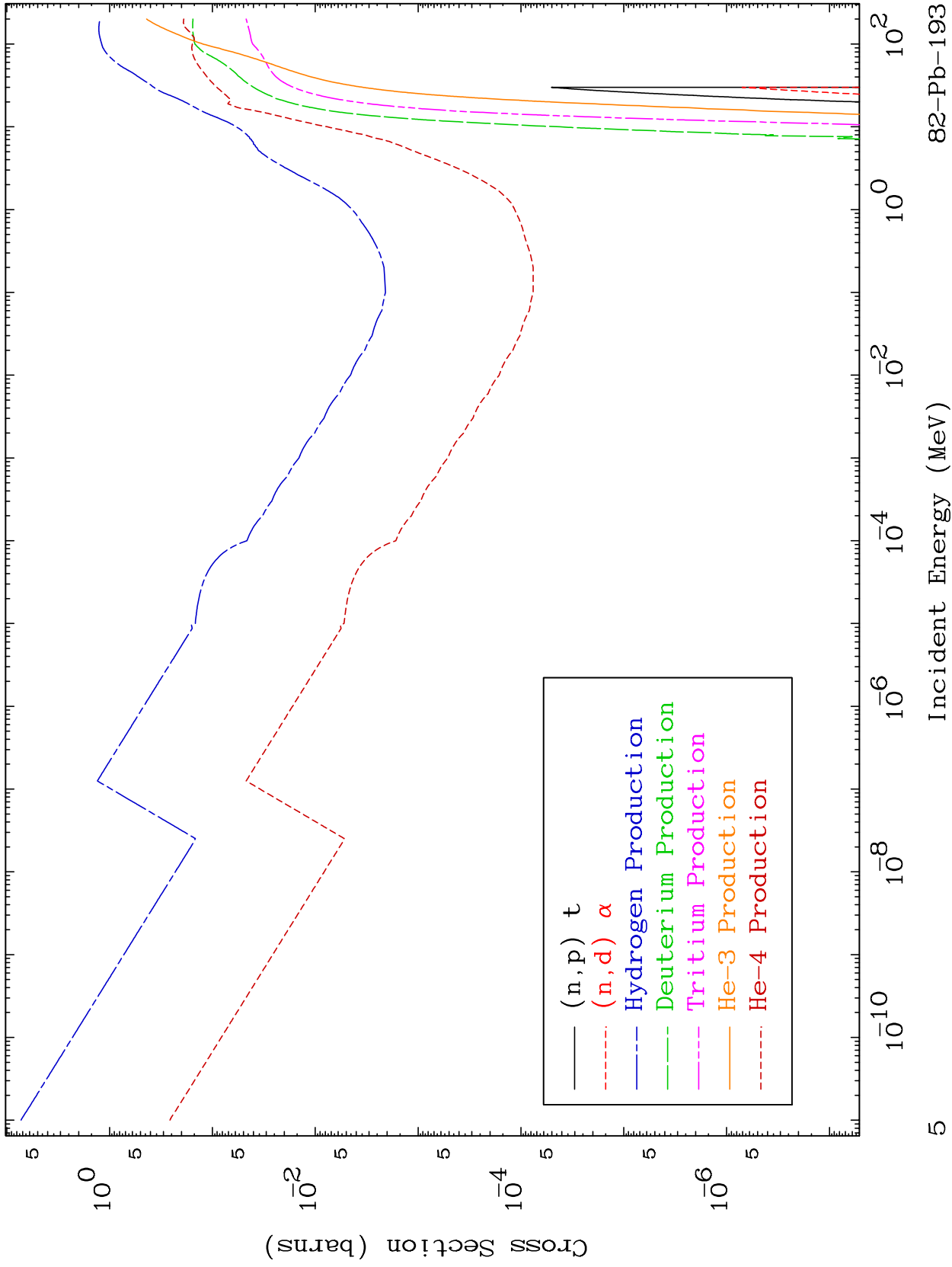


MAT 8192

Neutron Absorption  
293 Kelvin Cross Sections

82-Pb-193

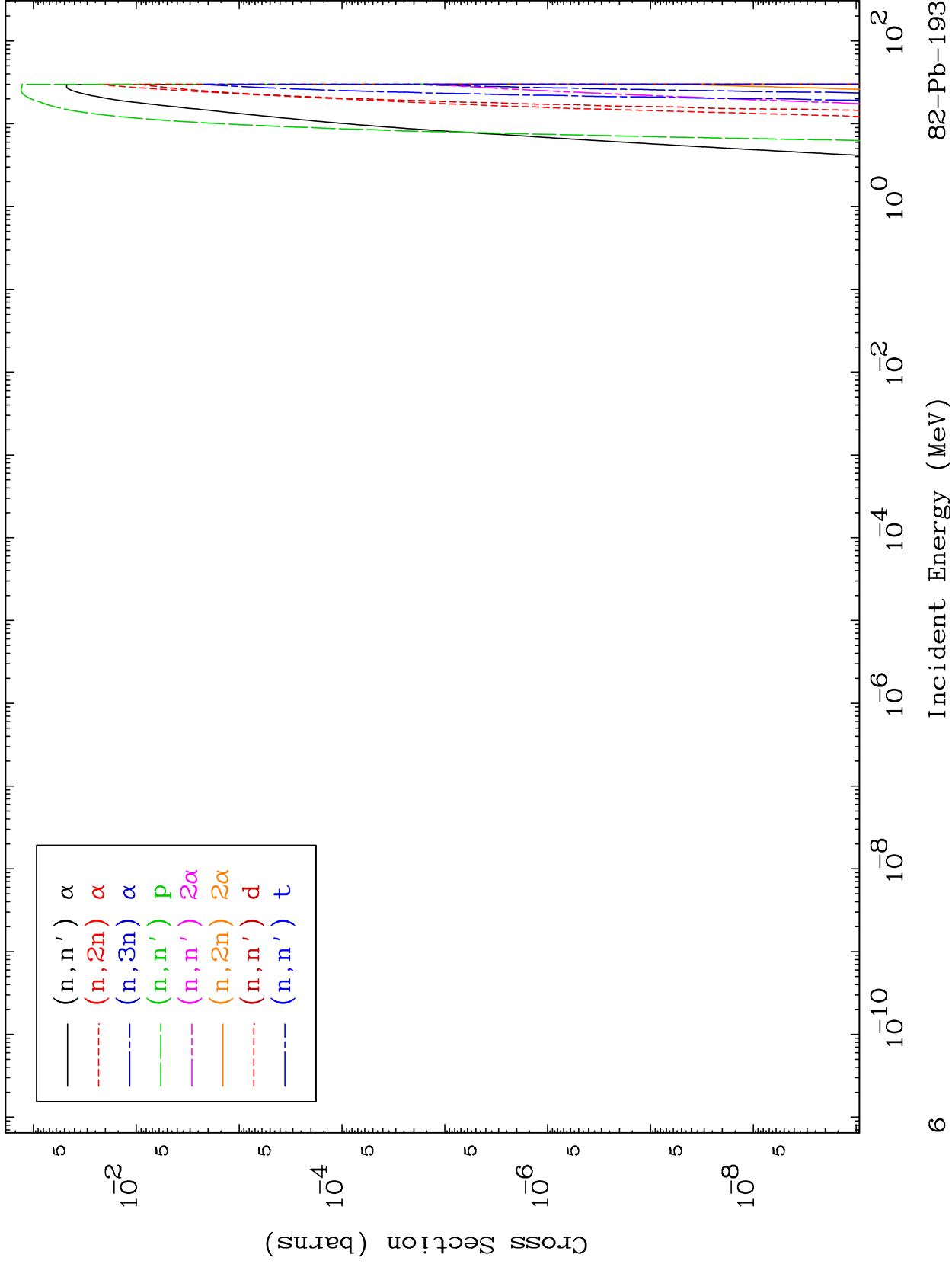




MAT 8192

Charged Particle  
293 Kelvin Cross Sections

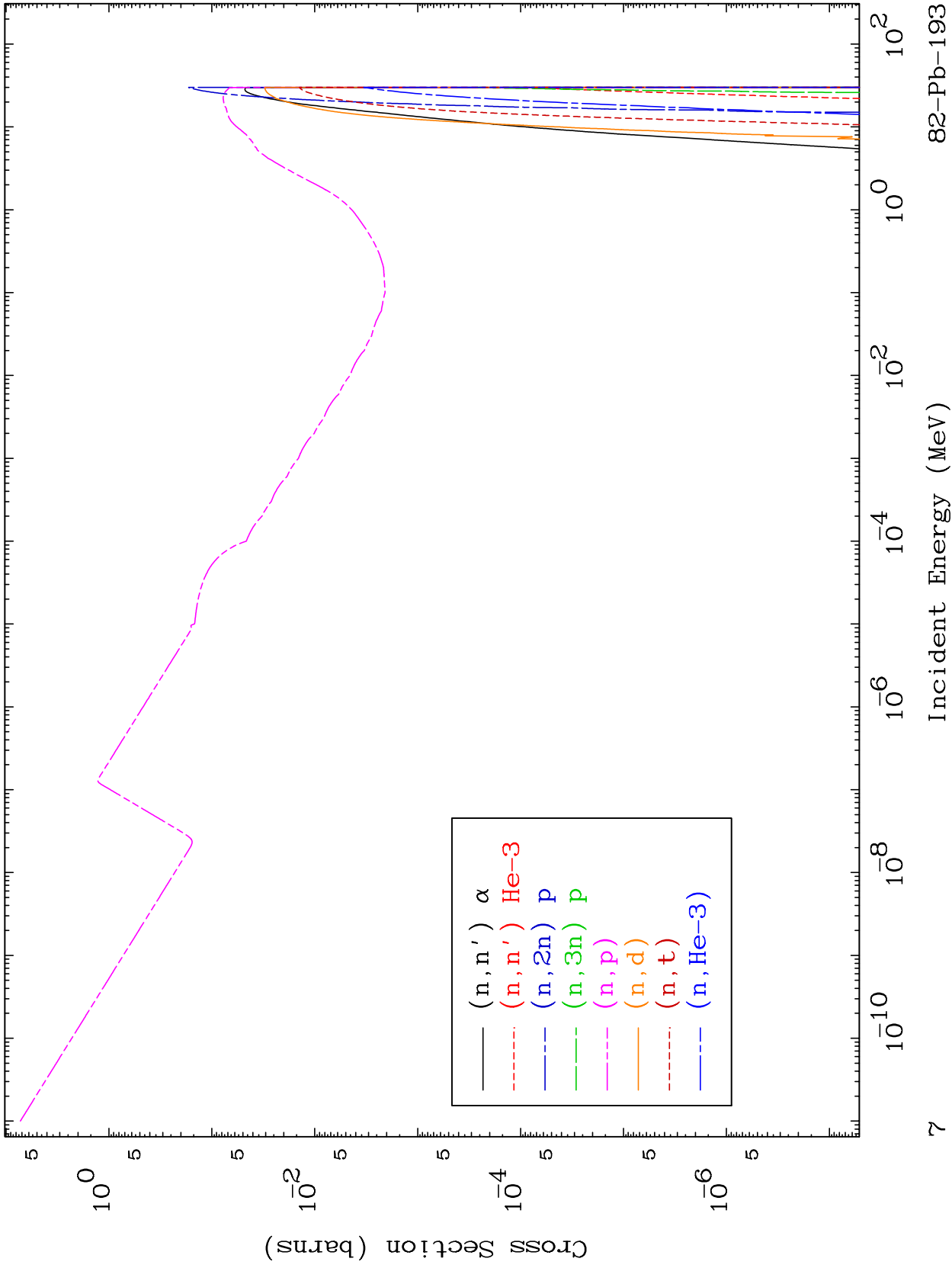
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MAT 8192

Charged Particle  
293 Kelvin Cross Sections

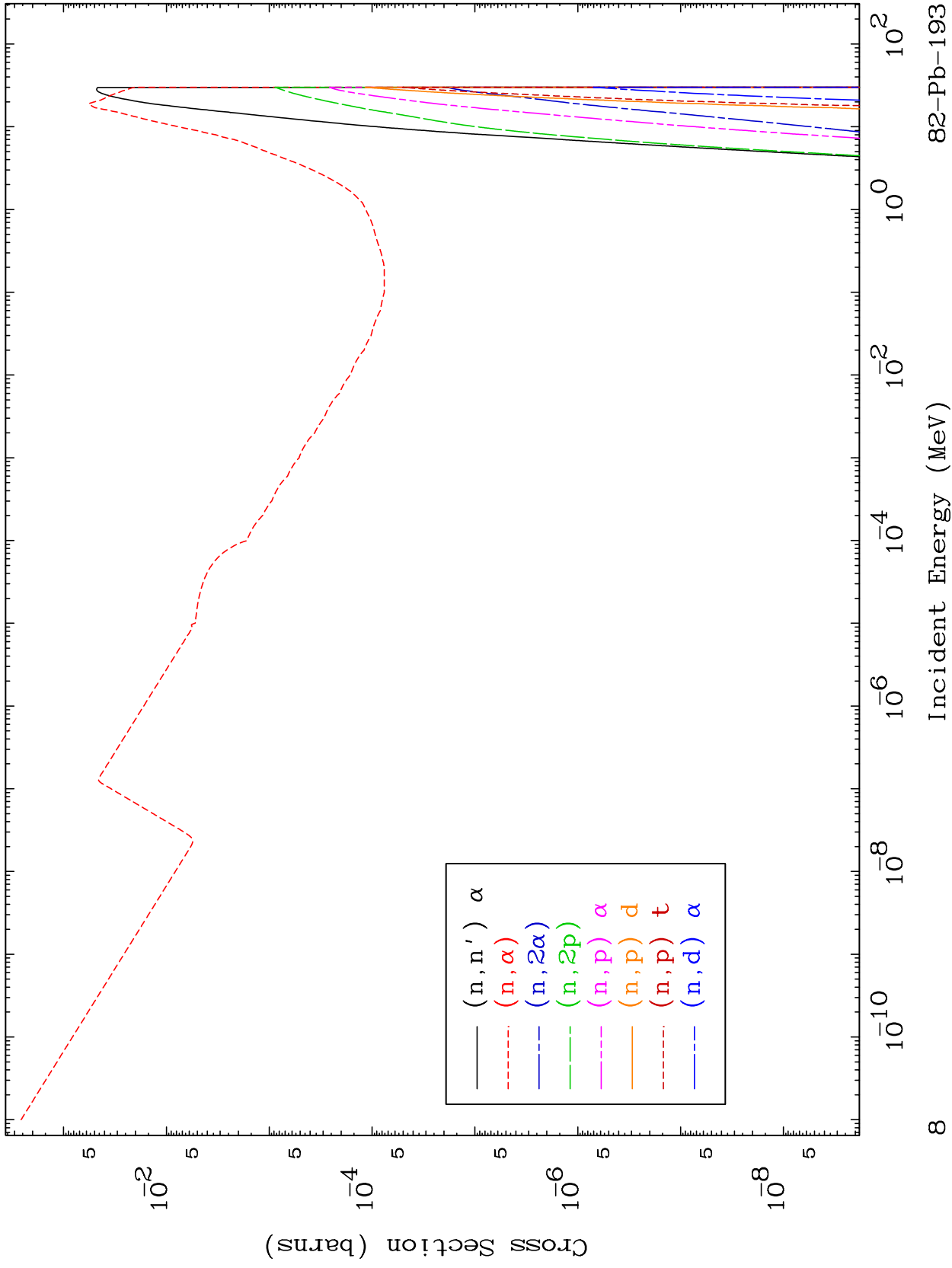
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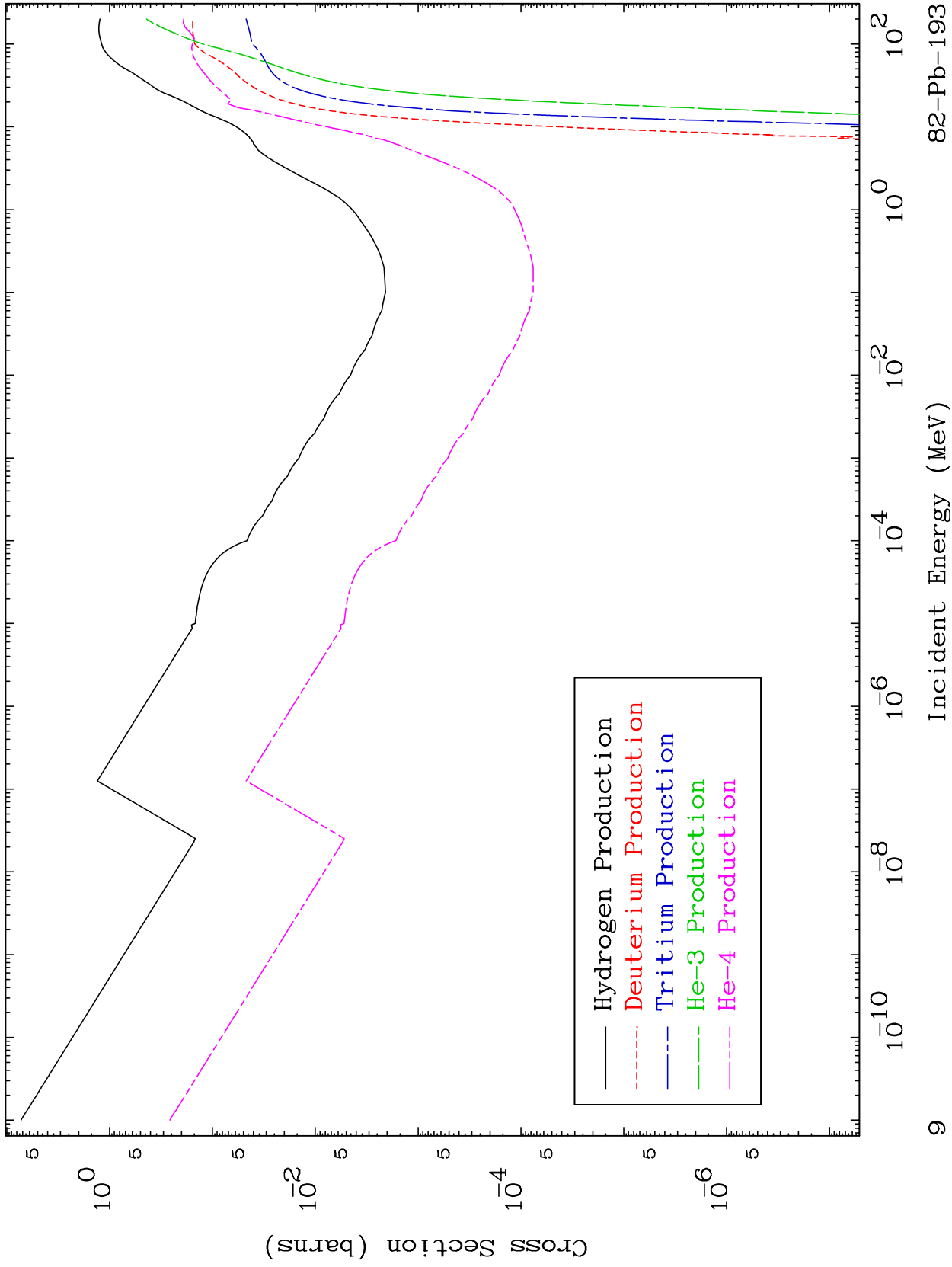


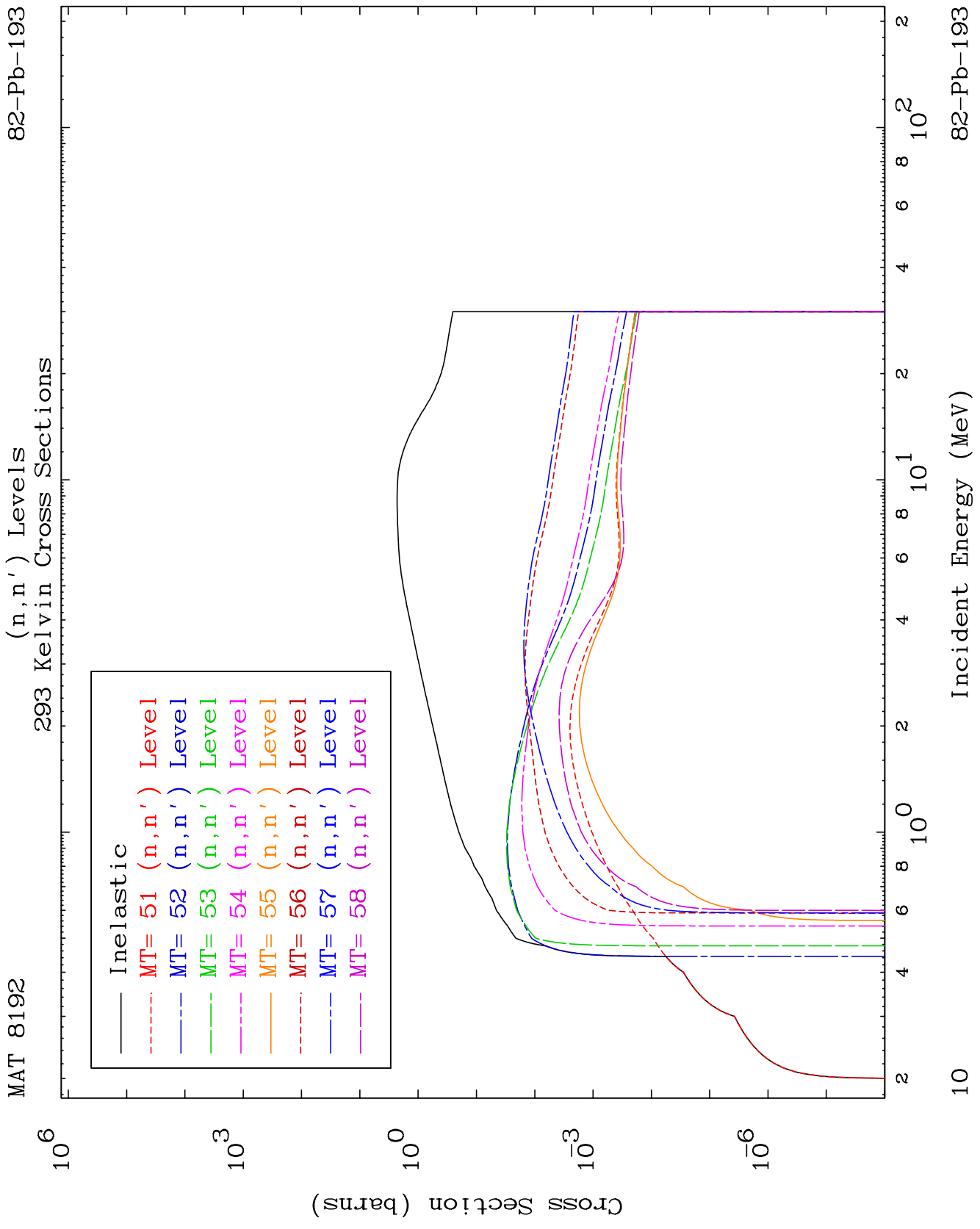
MAT 8192

Charged Particle  
293 Kelvin Cross Sections

82-Pb-193







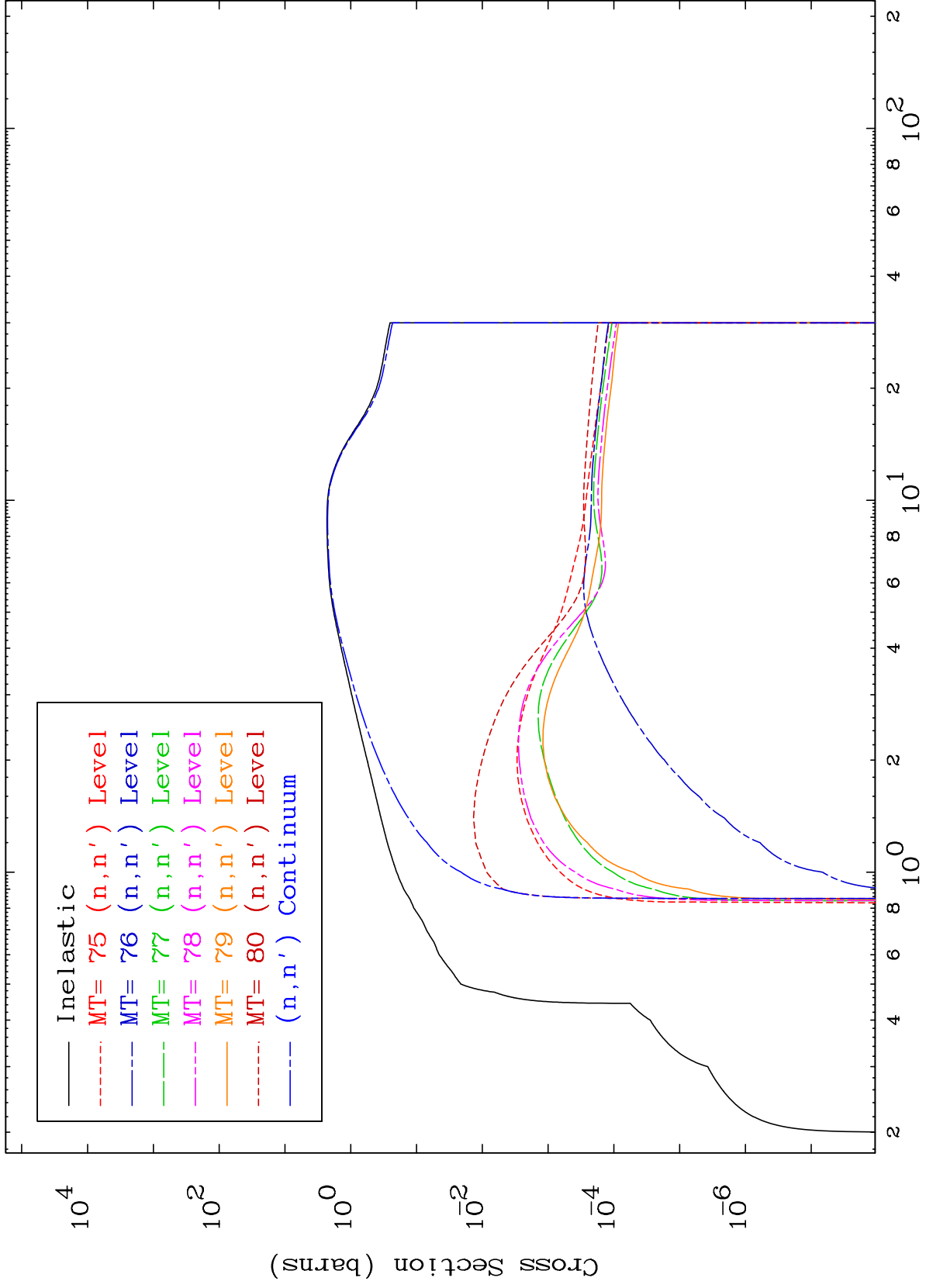




MAT 8192

(n,n') Levels  
293 Kelvin Cross Sections

82-Pb-193



13

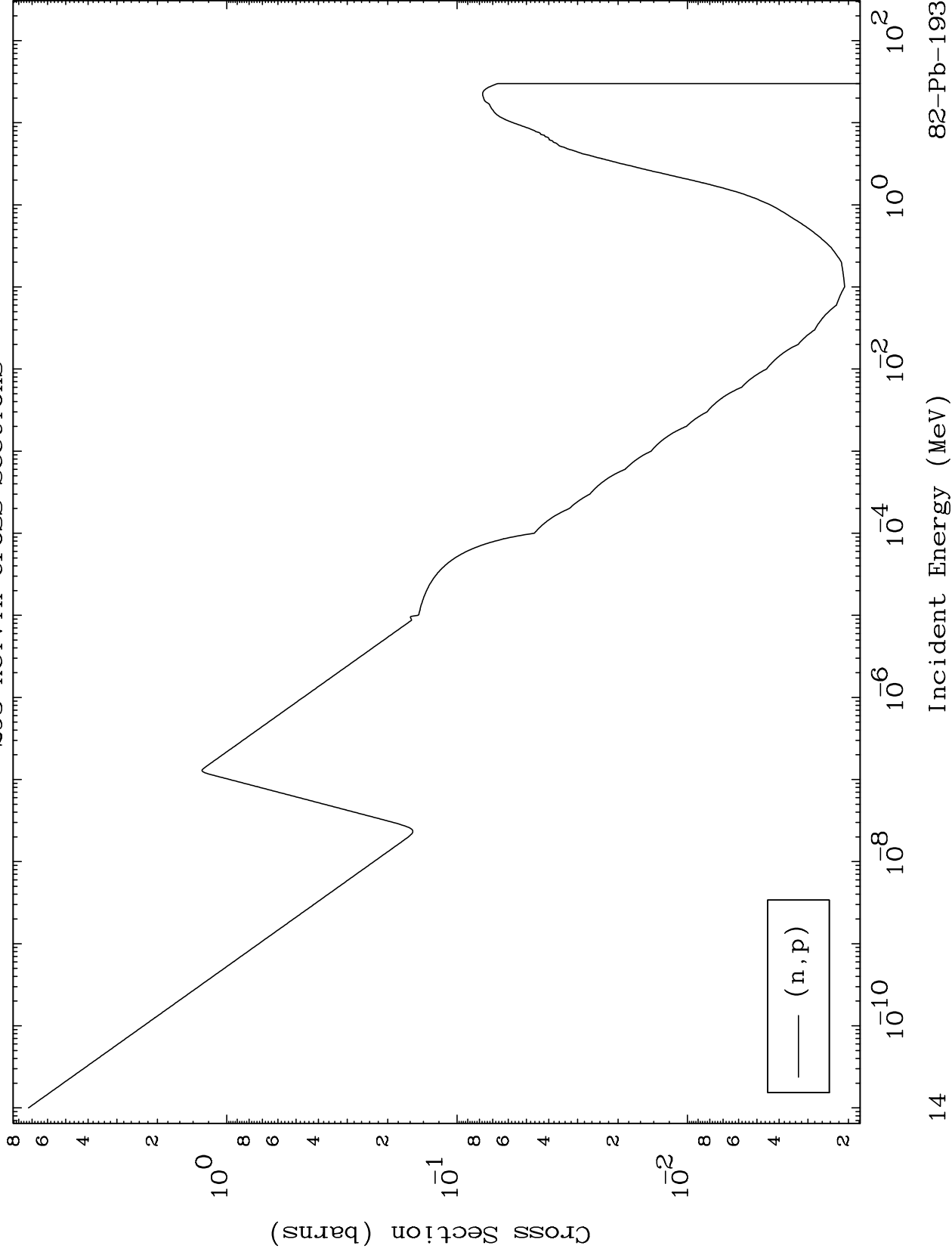
Incident Energy (MeV)

82-Pb-193

MAT 8192

(n,p) Levels  
293 Kelvin Cross Sections

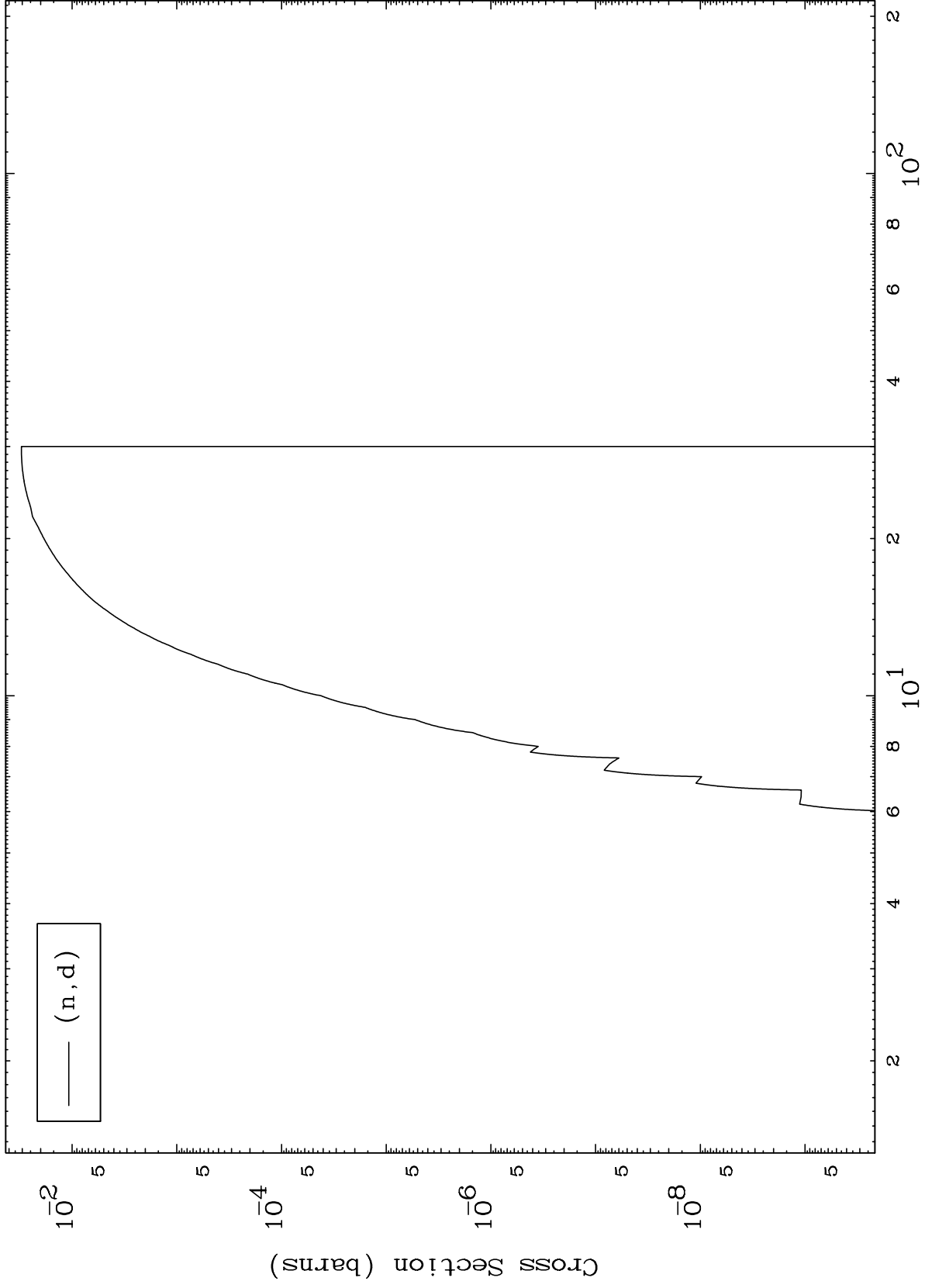
82-Pb-193



MAT 8192

(n,d) Levels  
293 Kelvin Cross Sections

82-Pb-193



15

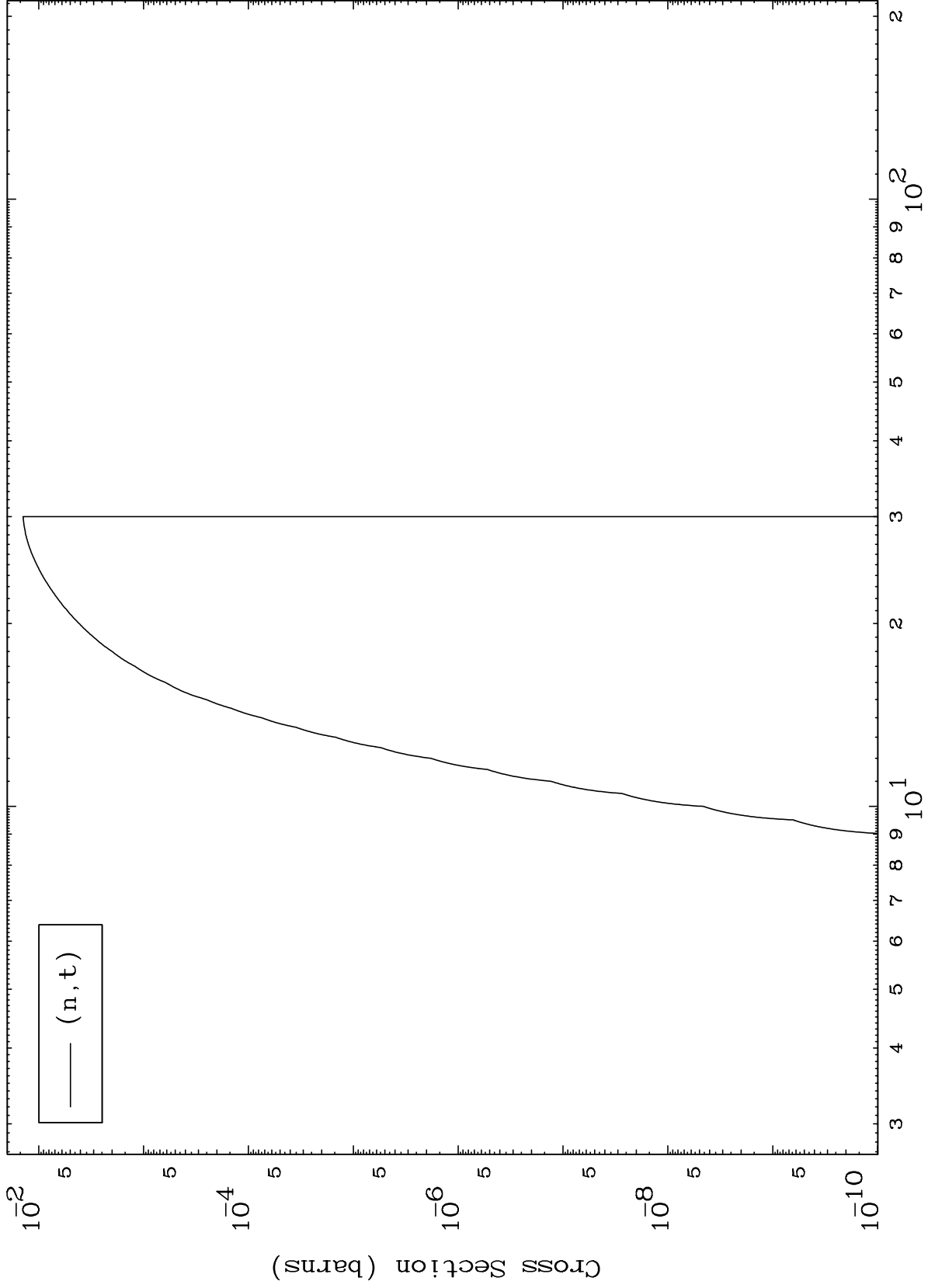
Incident Energy (MeV)

82-Pb-193

MAT 8192

(n,t) Levels  
293 Kelvin Cross Sections

82-Pb-193



16

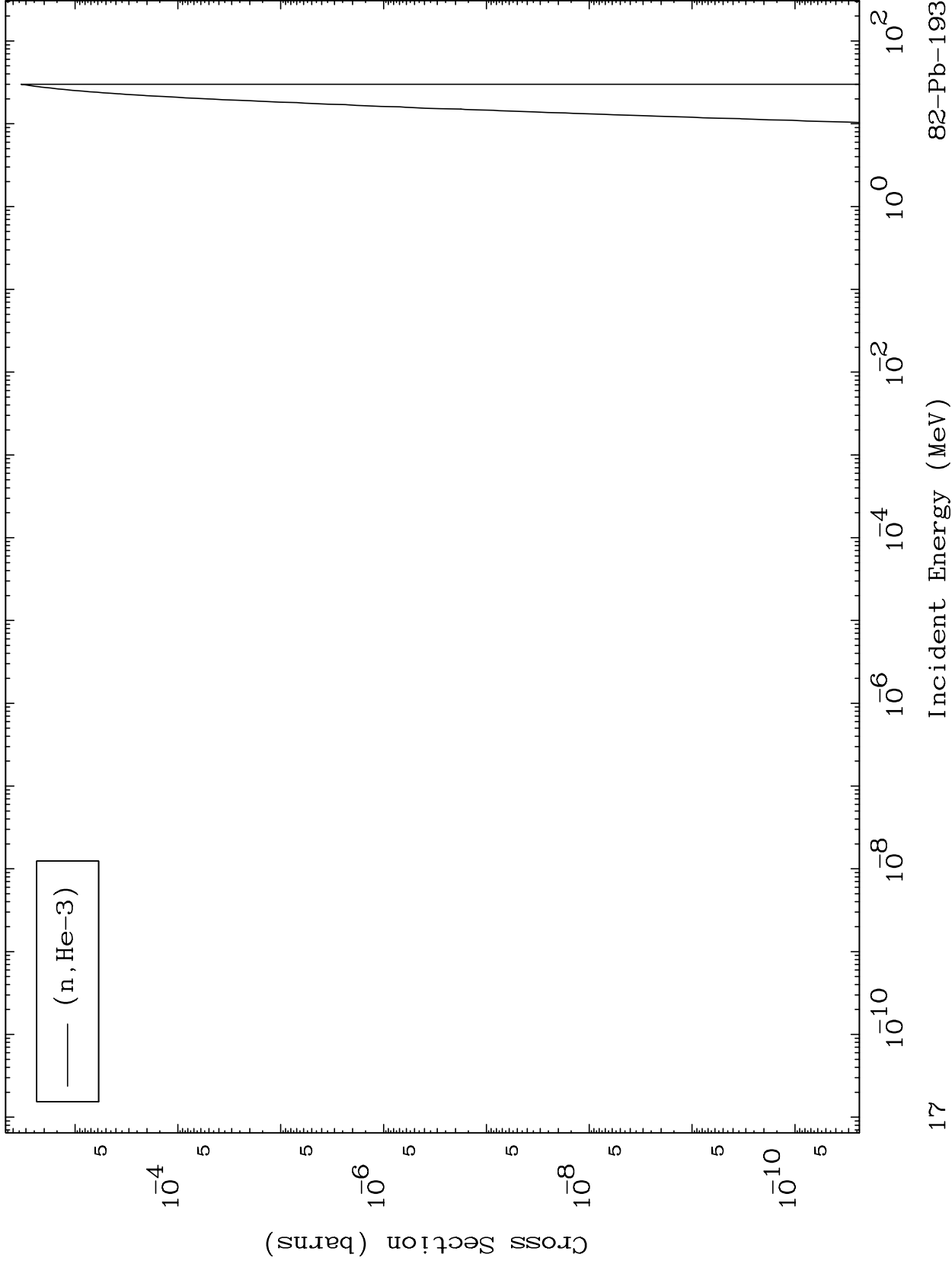
Incident Energy (MeV)

82-Pb-193

MAT 8192

(n,He3) Levels  
293 Kelvin Cross Sections

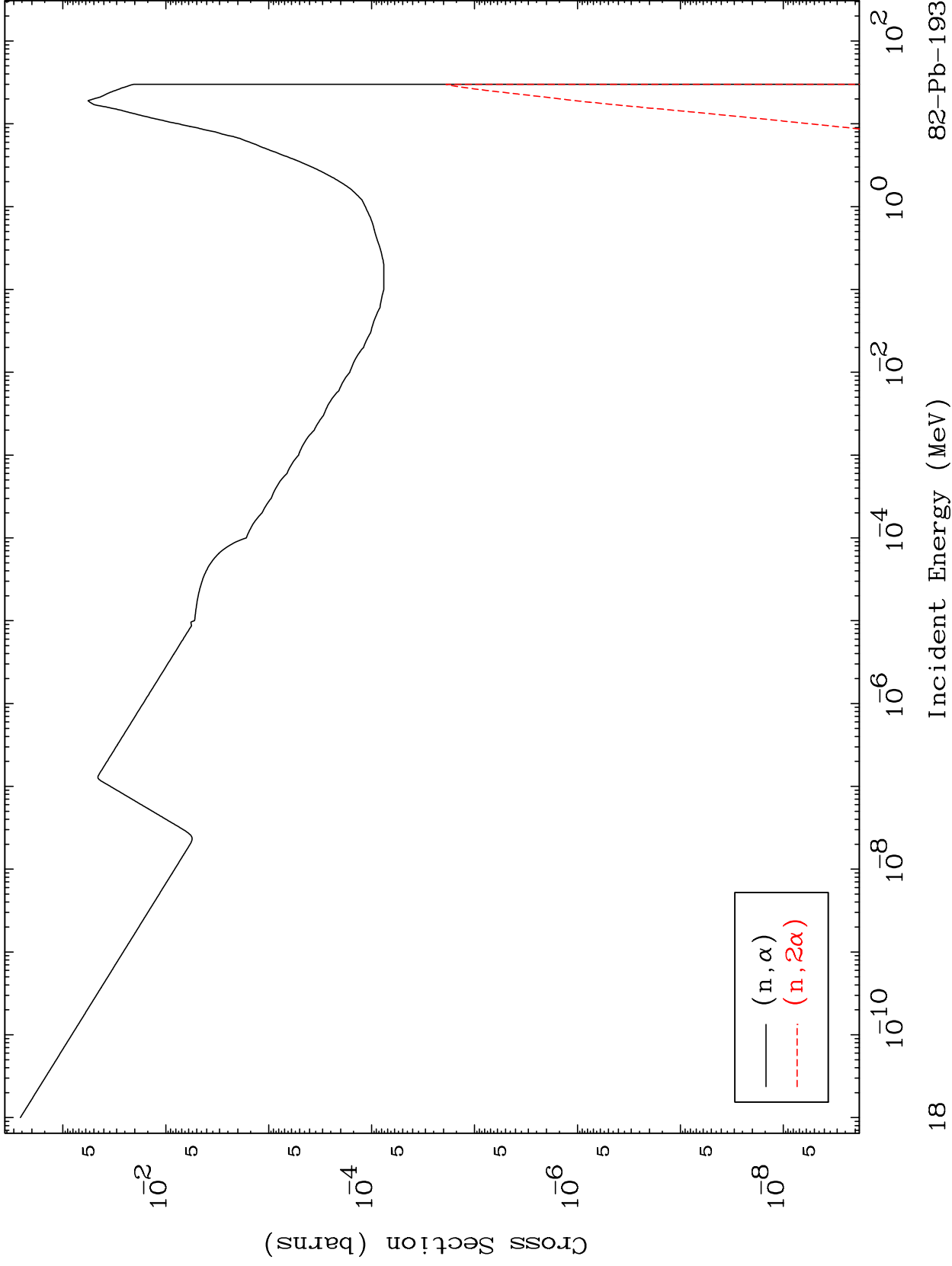
82-Pb-193



MAT 8192

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

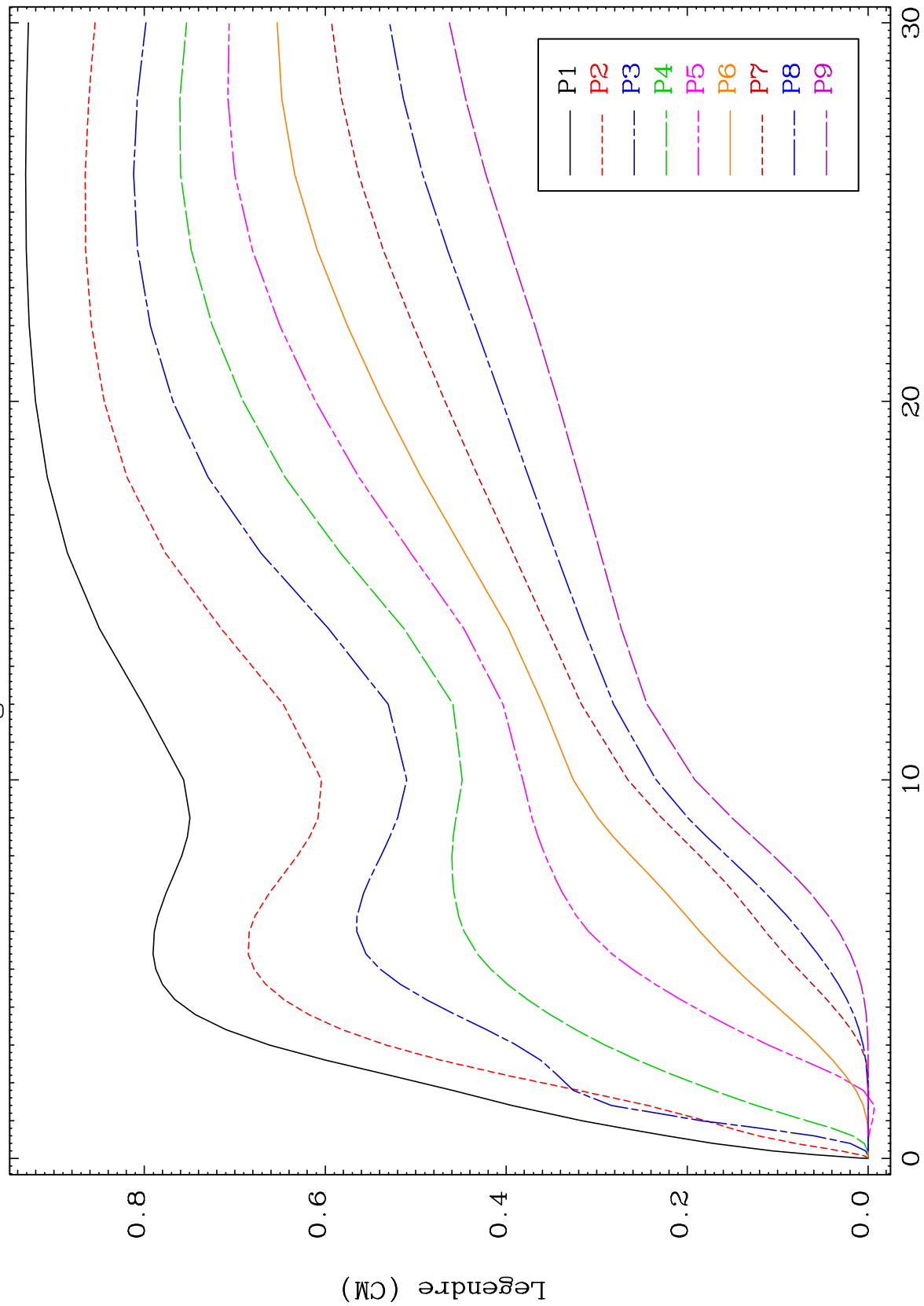
82-Pb-193



MAT 8192

82-Pb-193

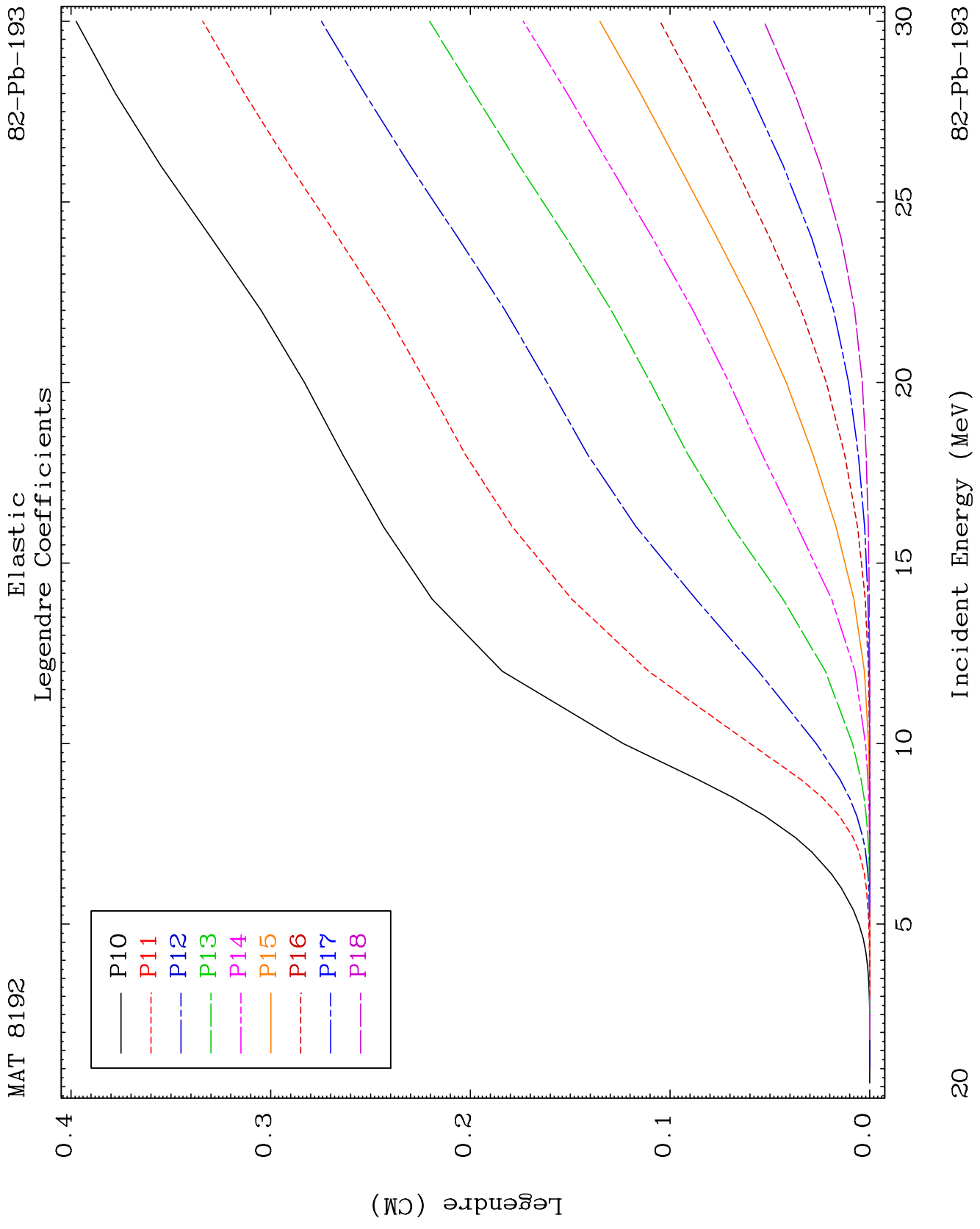
Elastic Legendre Coefficients



19

Incident Energy (MeV)

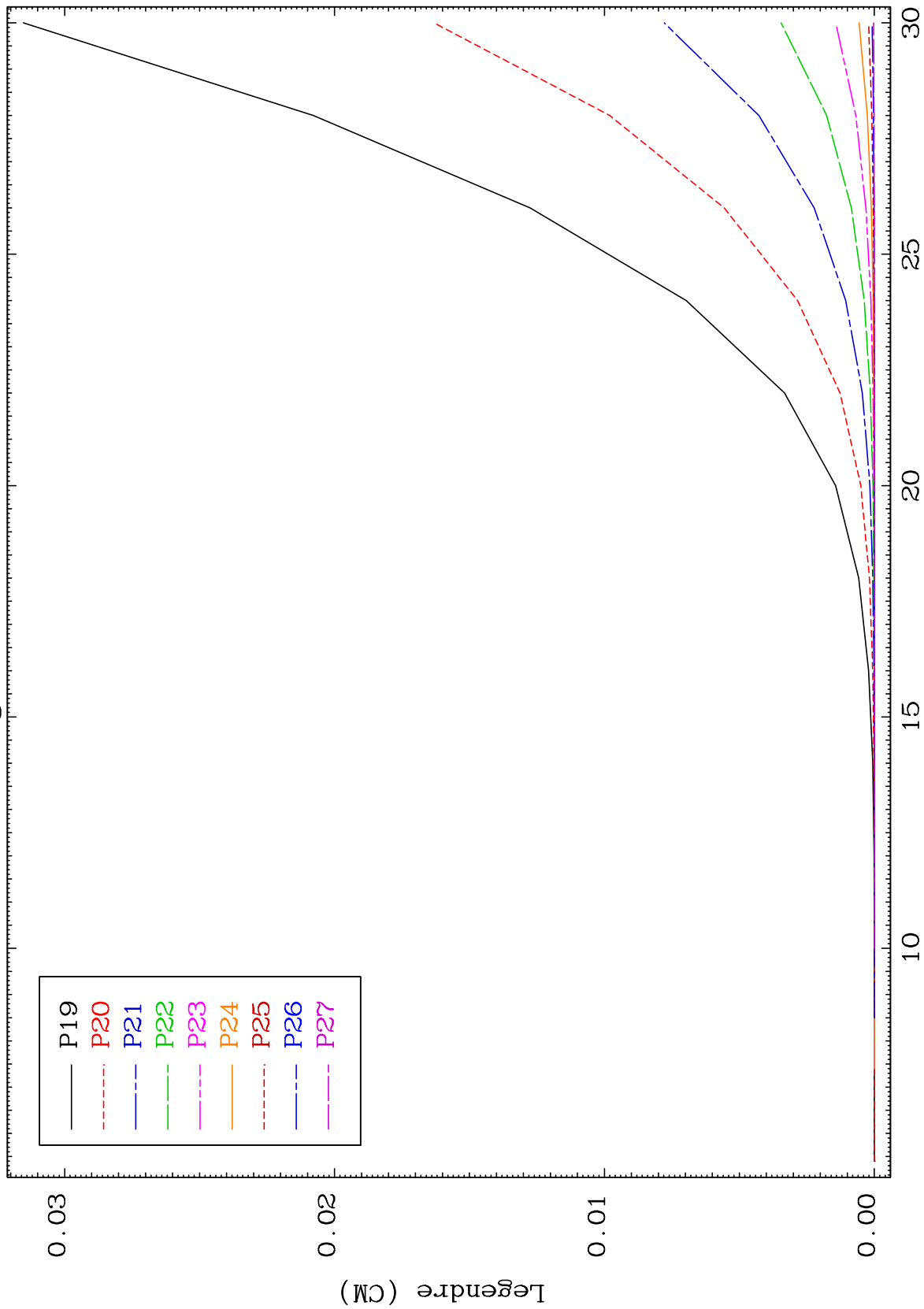
82-Pb-193



MAT 8192

Elastic  
Legendre Coefficients

82-Pb-193



21

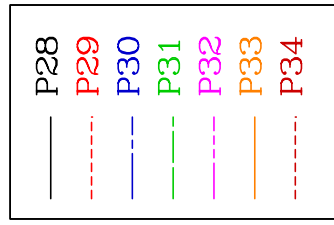
Incident Energy (MeV)

82-Pb-193

MAT 8192

Elastic Legendre Coefficients

82-Pb-193



$\times 10^{-6}$

Legendre (CM)

10

15

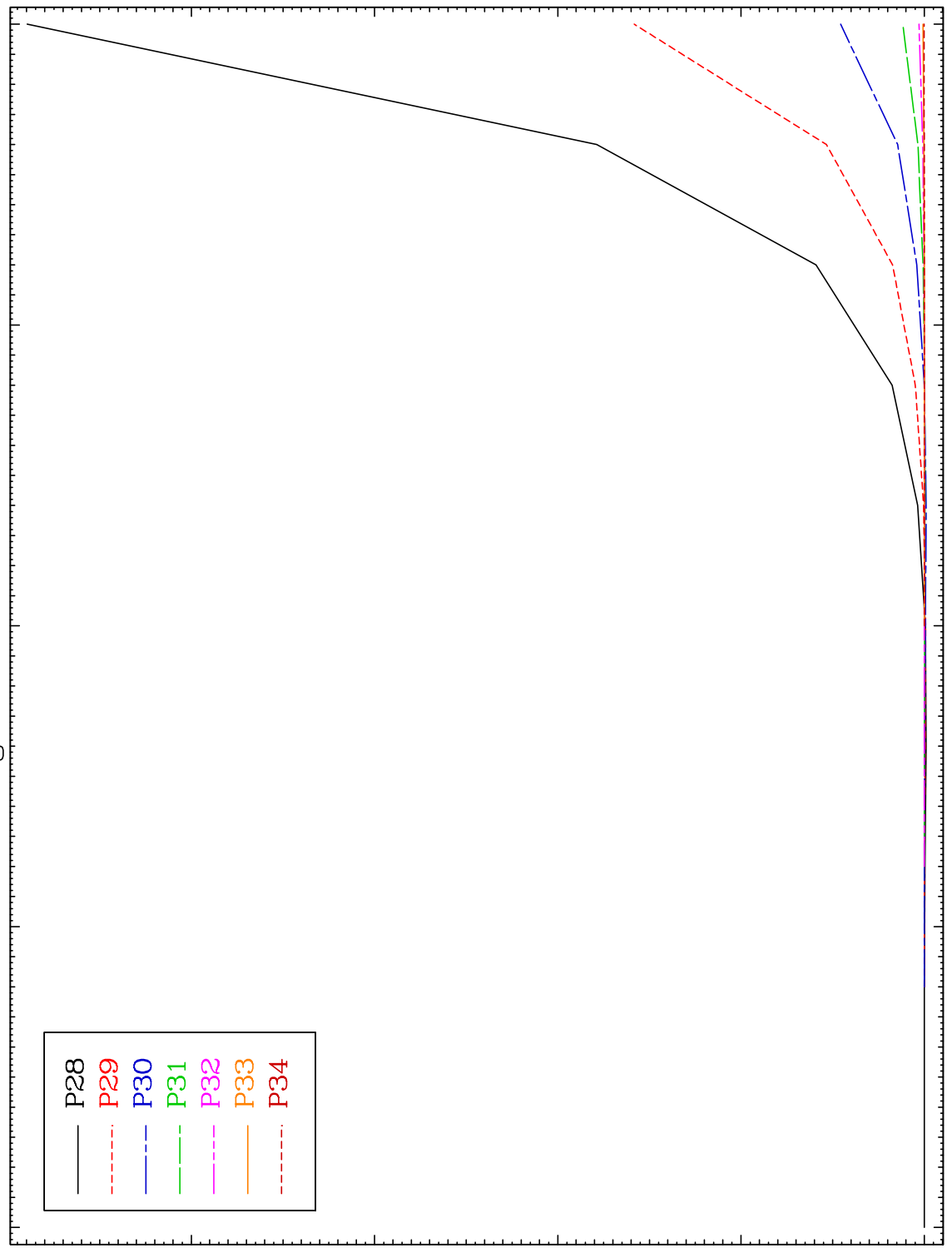
20

25

30

Incident Energy (MeV)

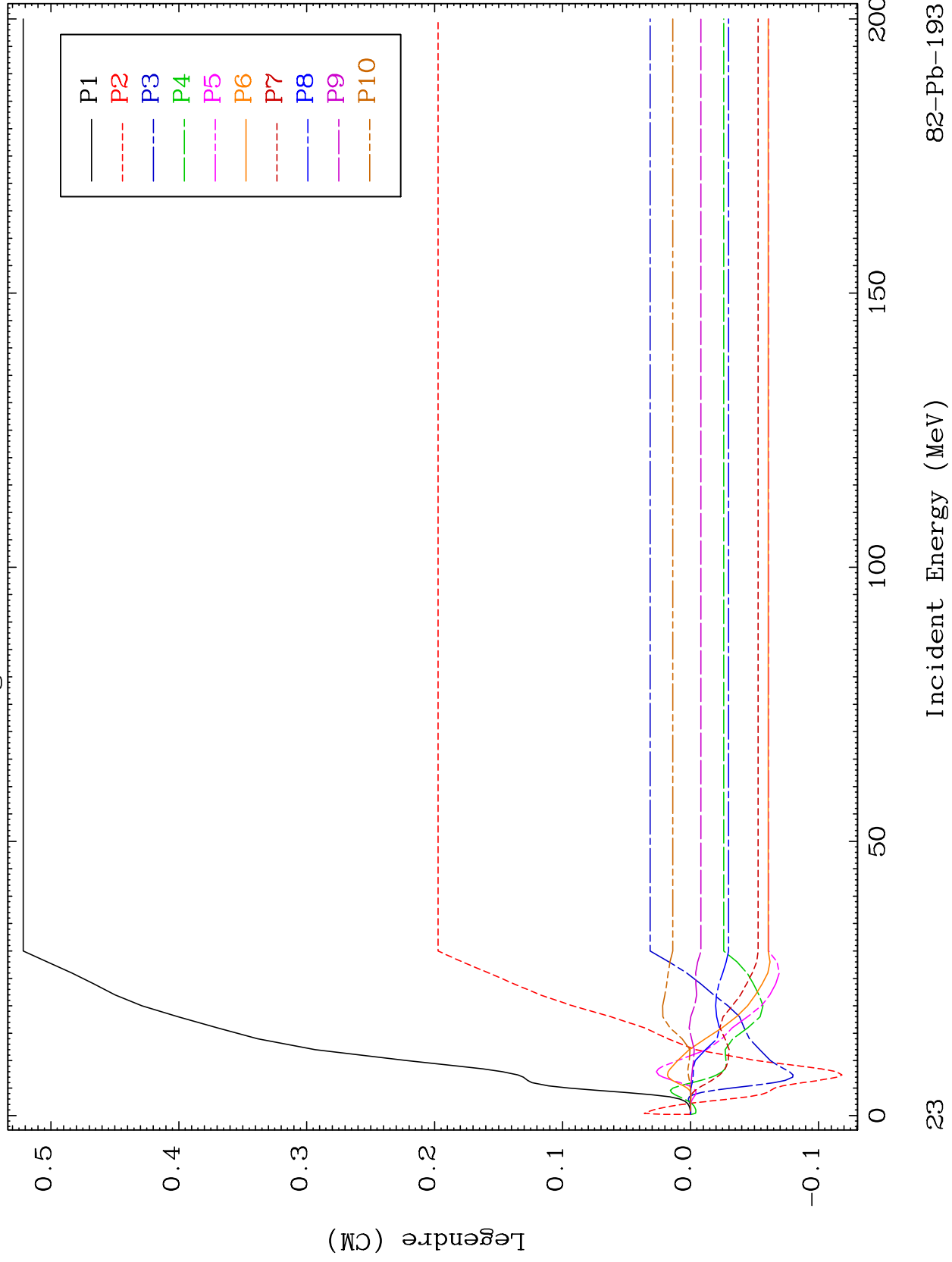
82-Pb-193



MAT 8192

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

82-Pb-193



82-Pb-193

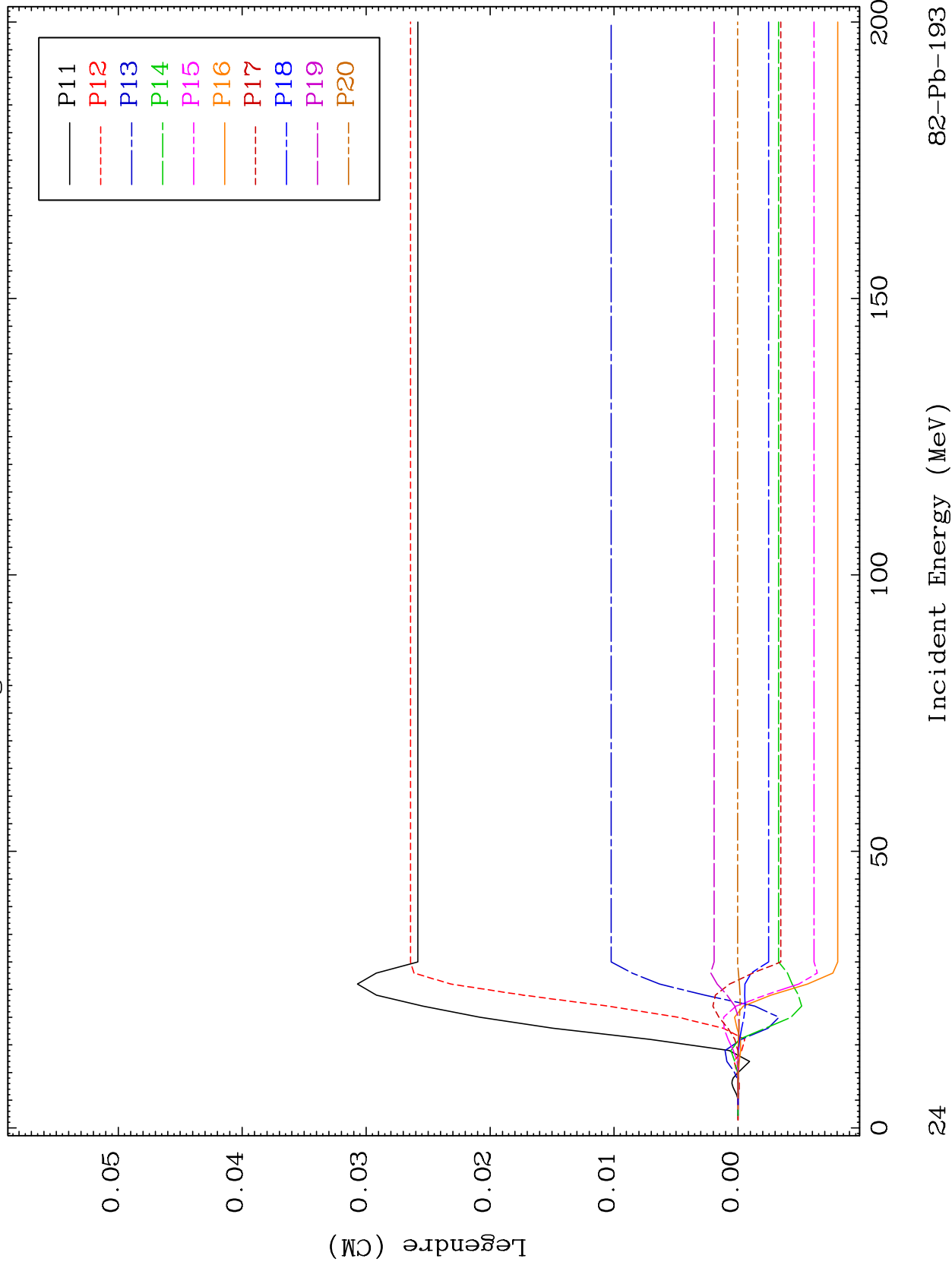
Incident Energy (MeV)

23

MAT 8192

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

82-Pb-193

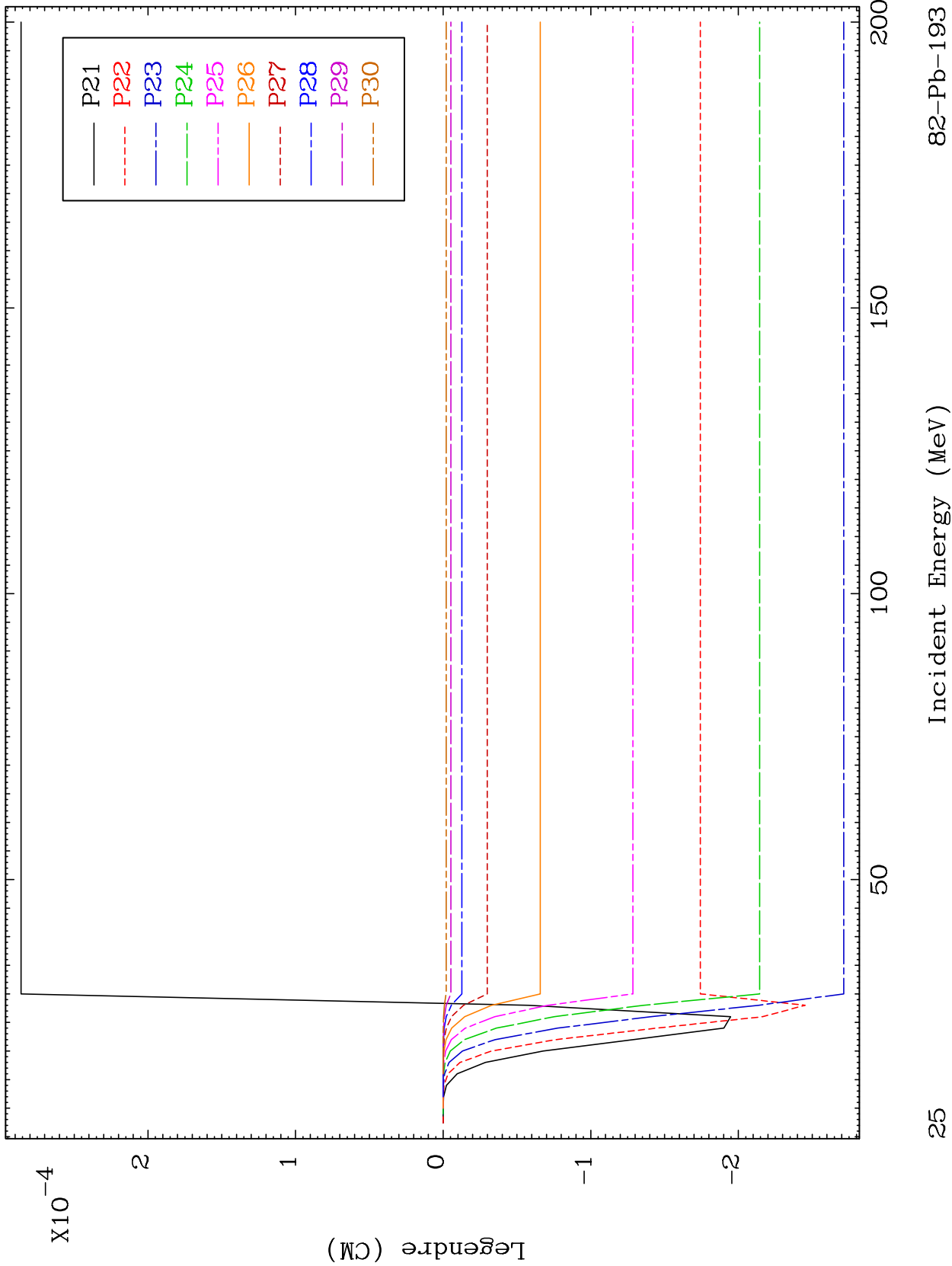


24

MAT 8192

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

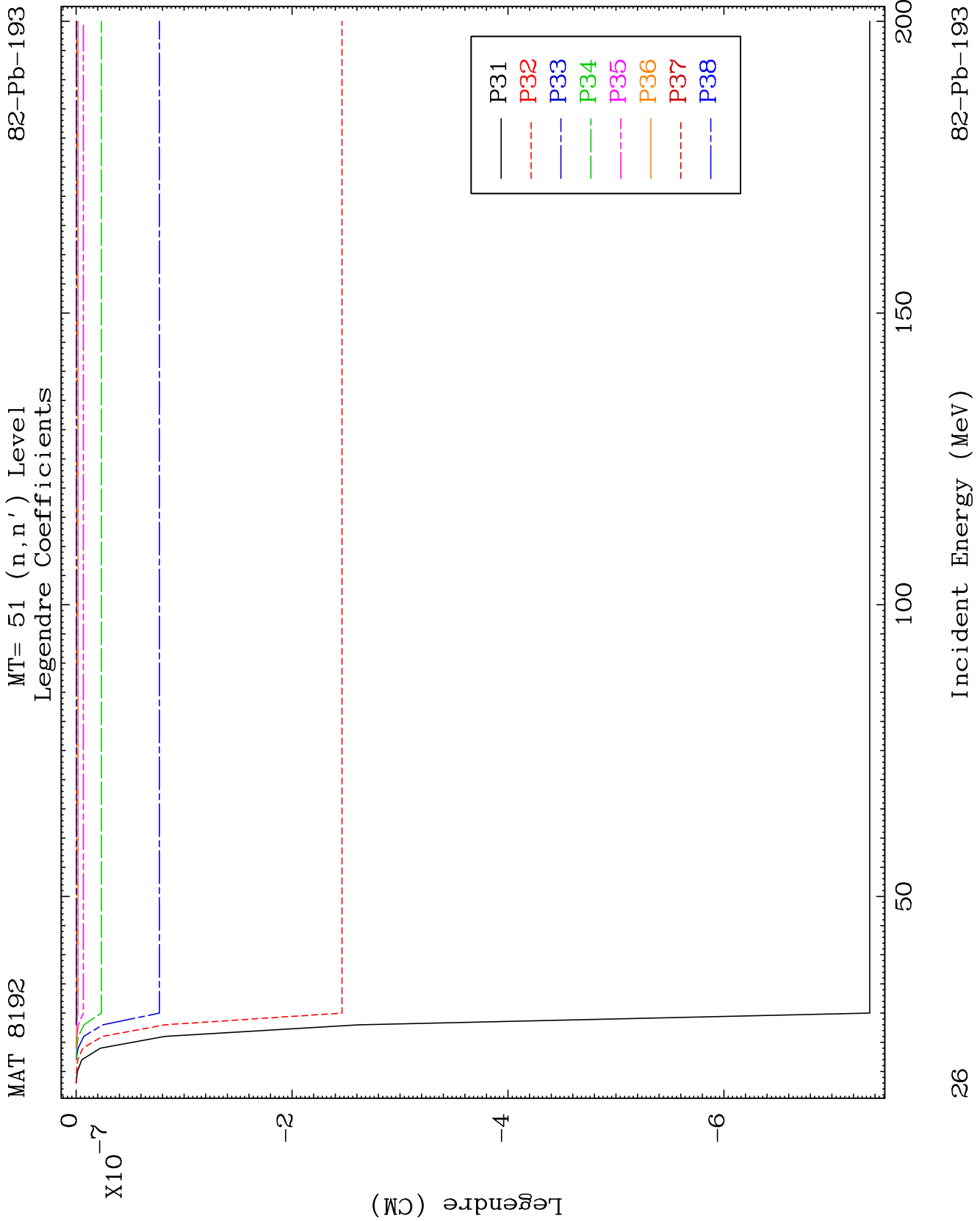
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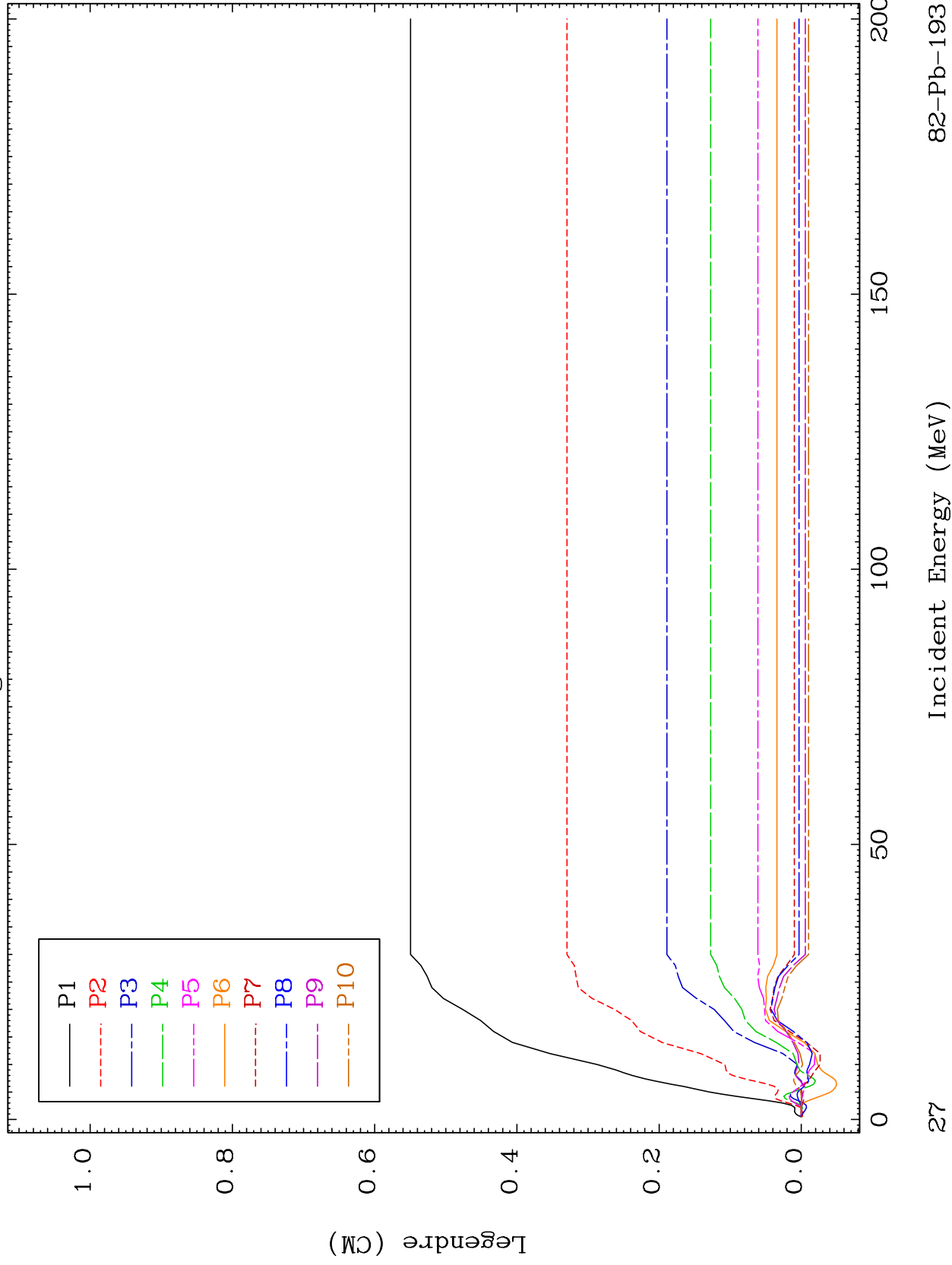


25

Incident Energy (MeV)

82-Pb-193

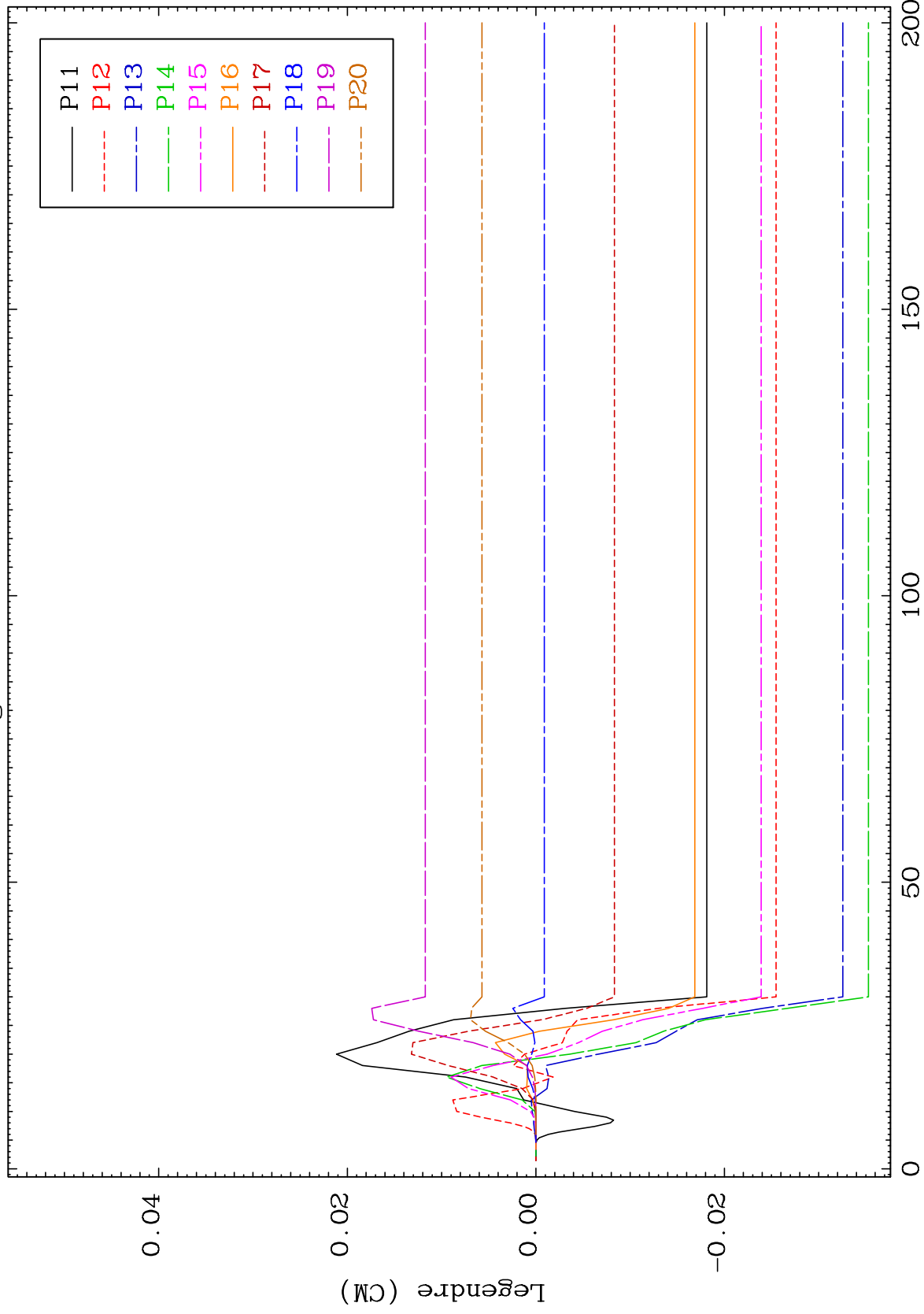




MAT 8192

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

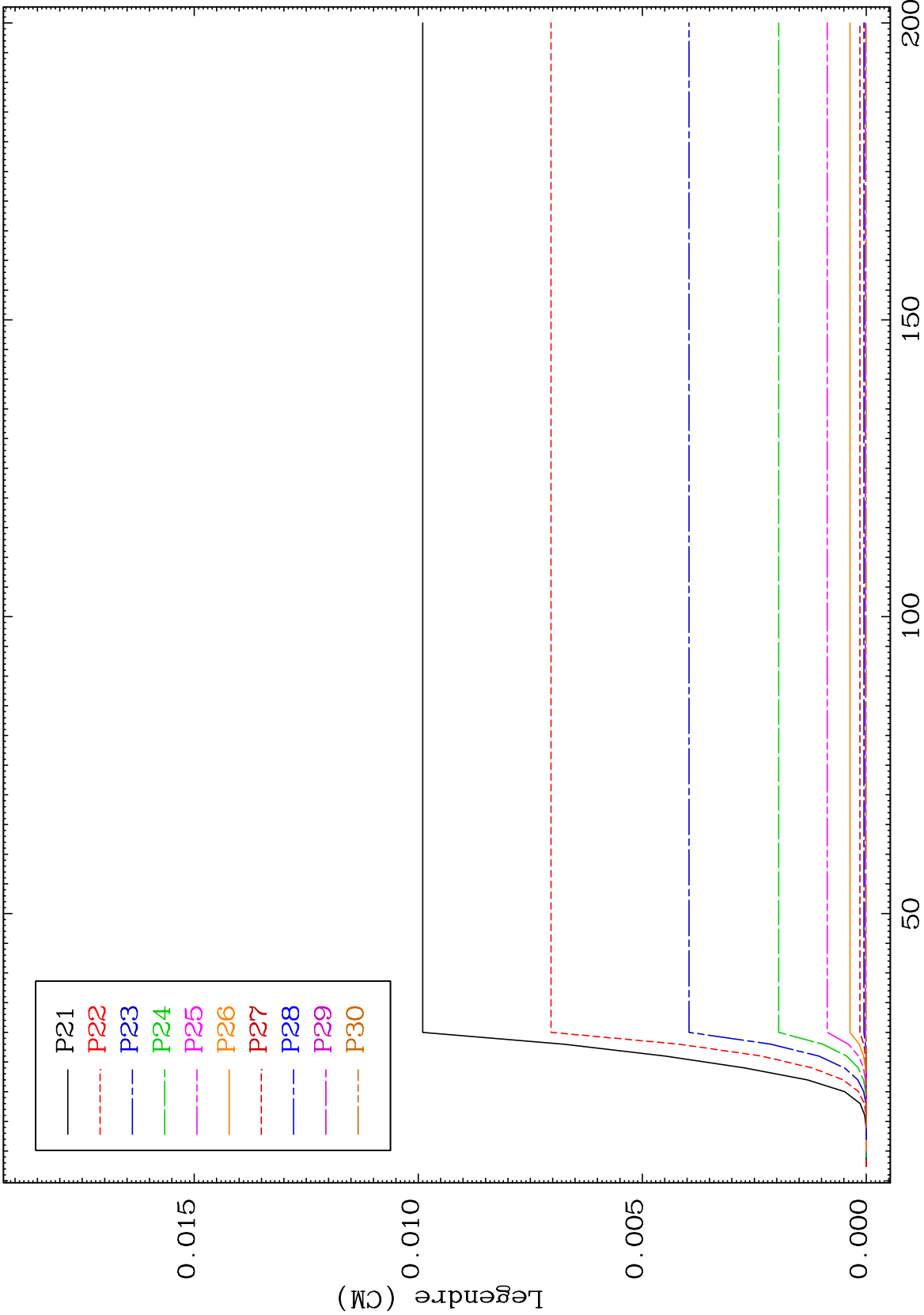
82-Pb-193



28

Incident Energy (MeV)

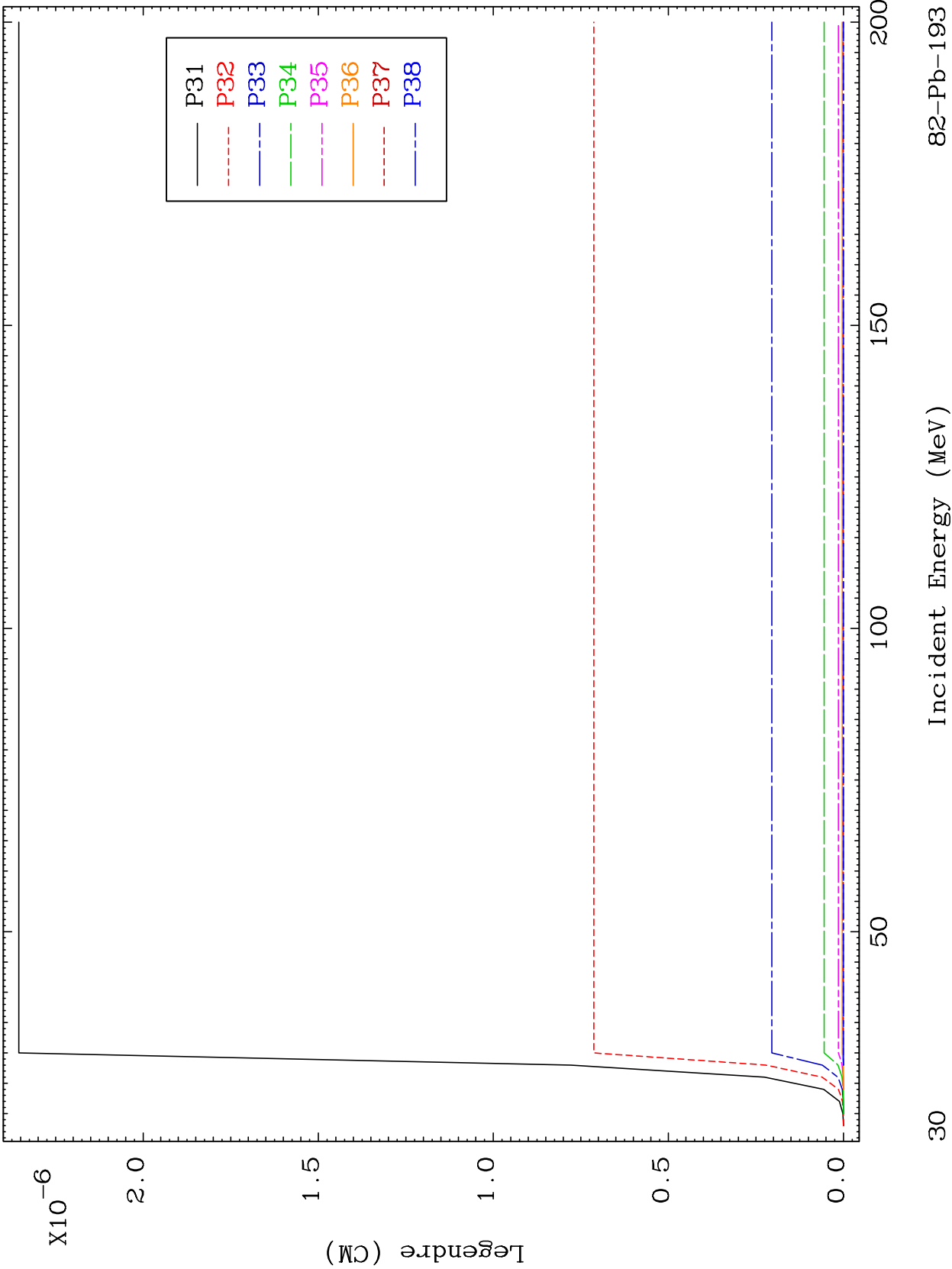
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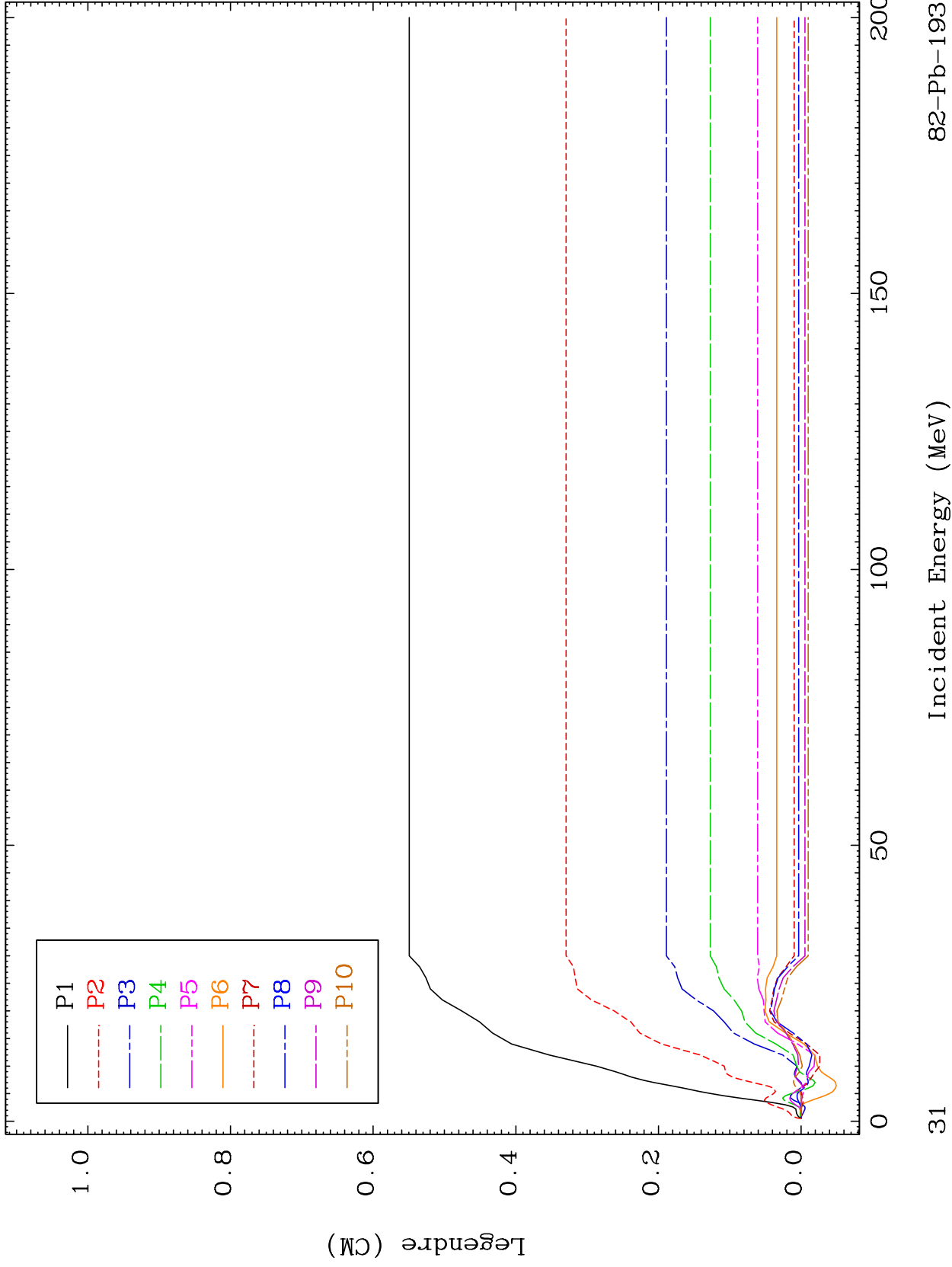


MAT 8192

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

82-Pb-193

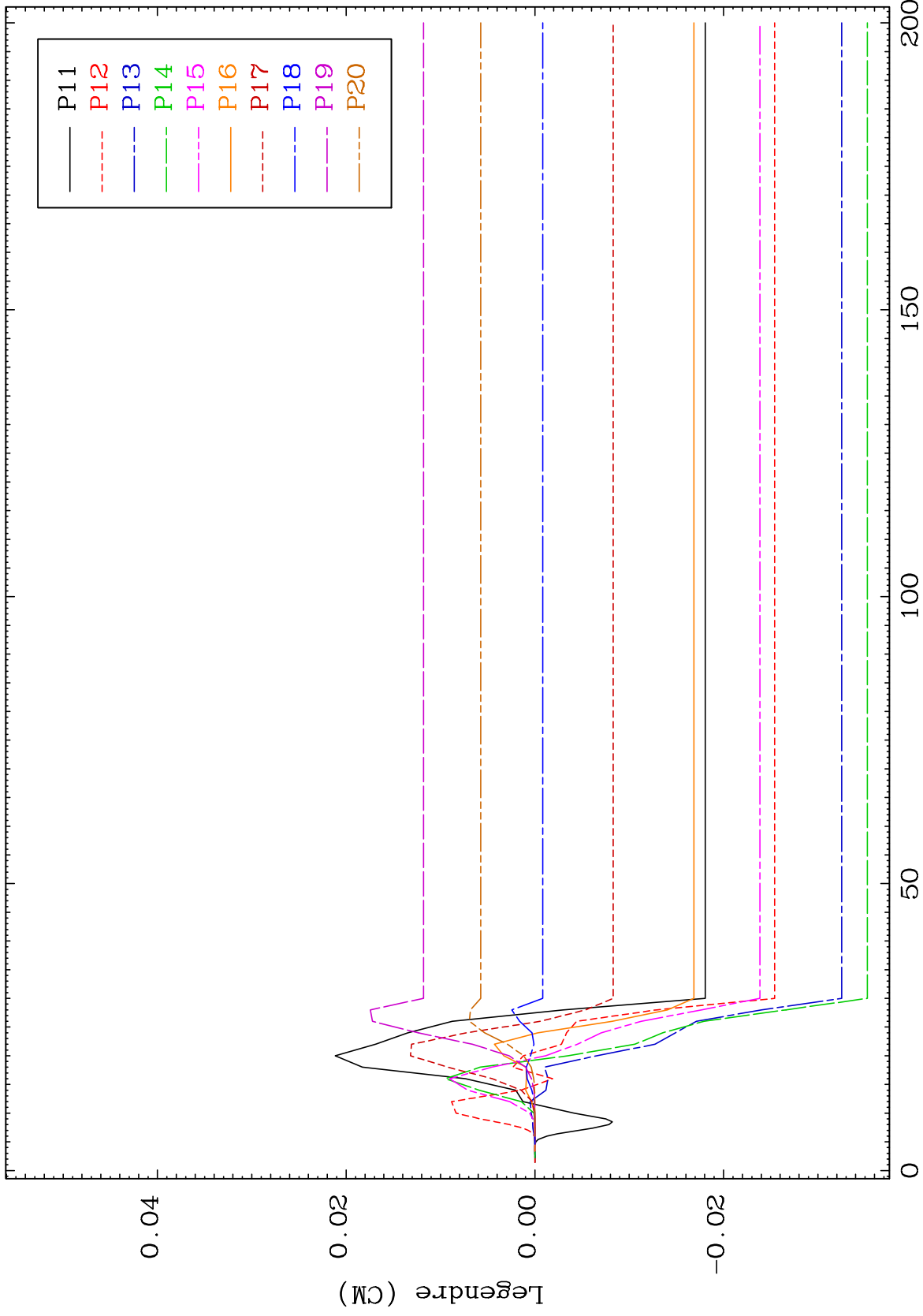




MAT 8192

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

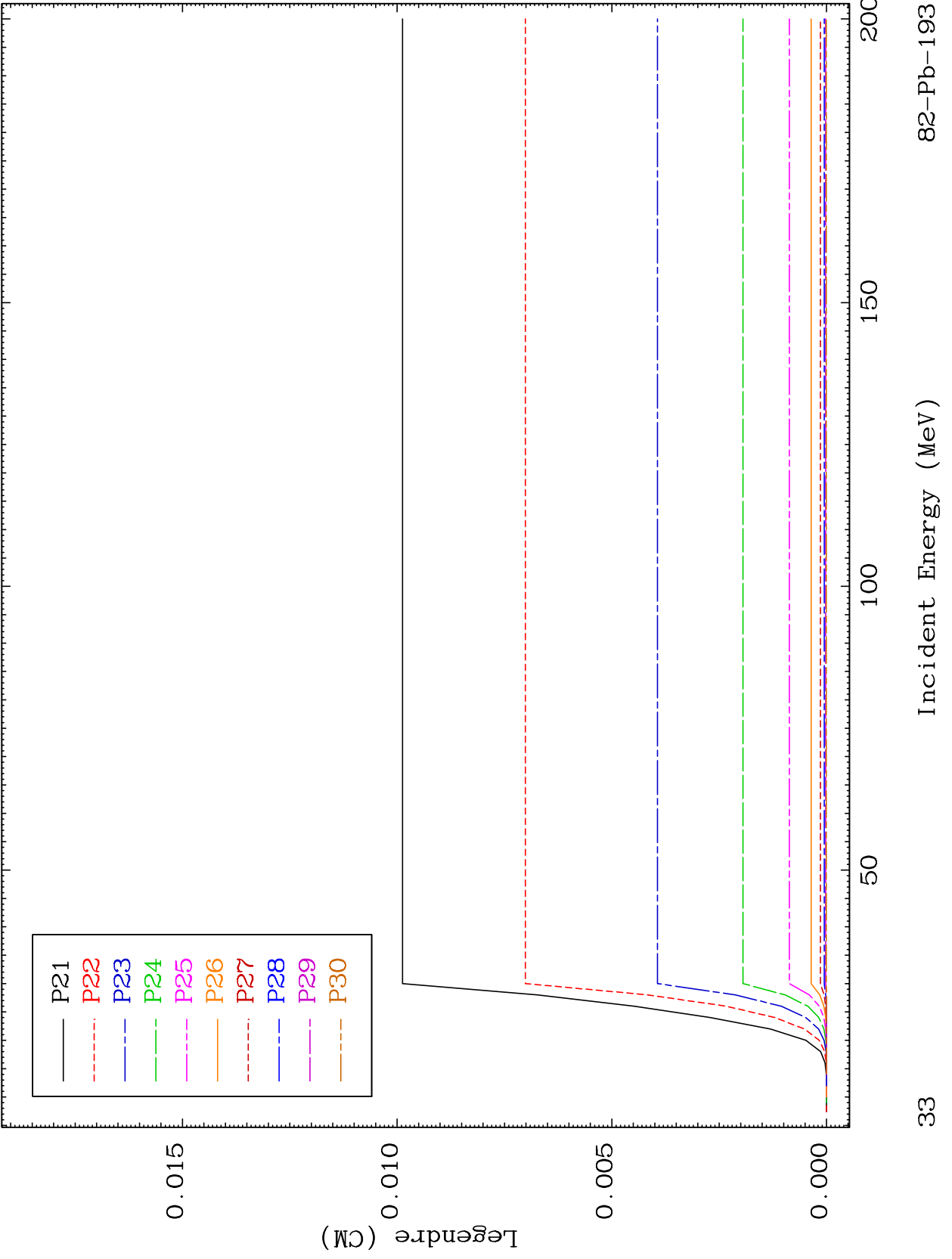
82-Pb-193



32

Incident Energy (MeV)

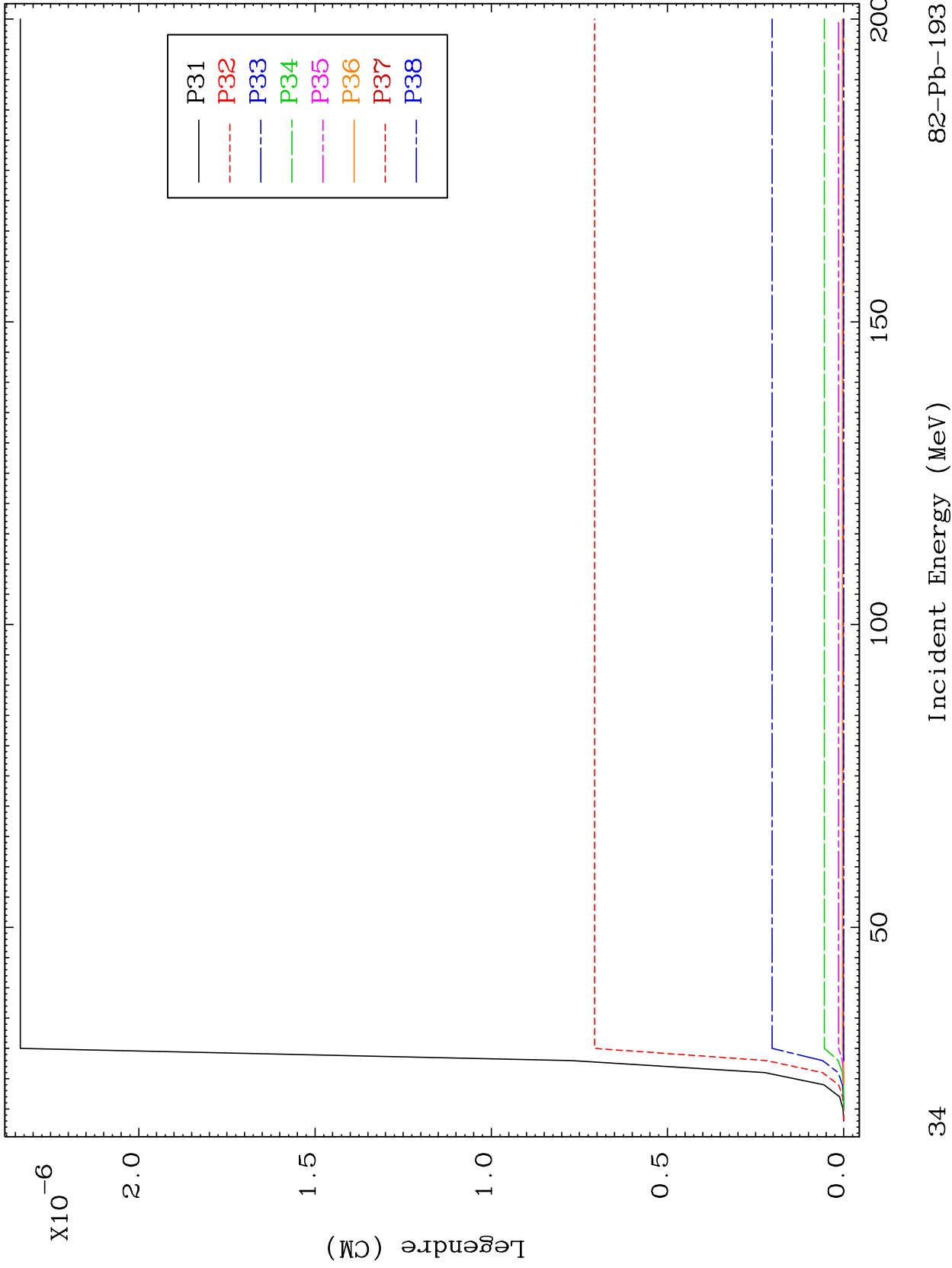
82-Pb-193



MAT 8192

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

82-Pb-193

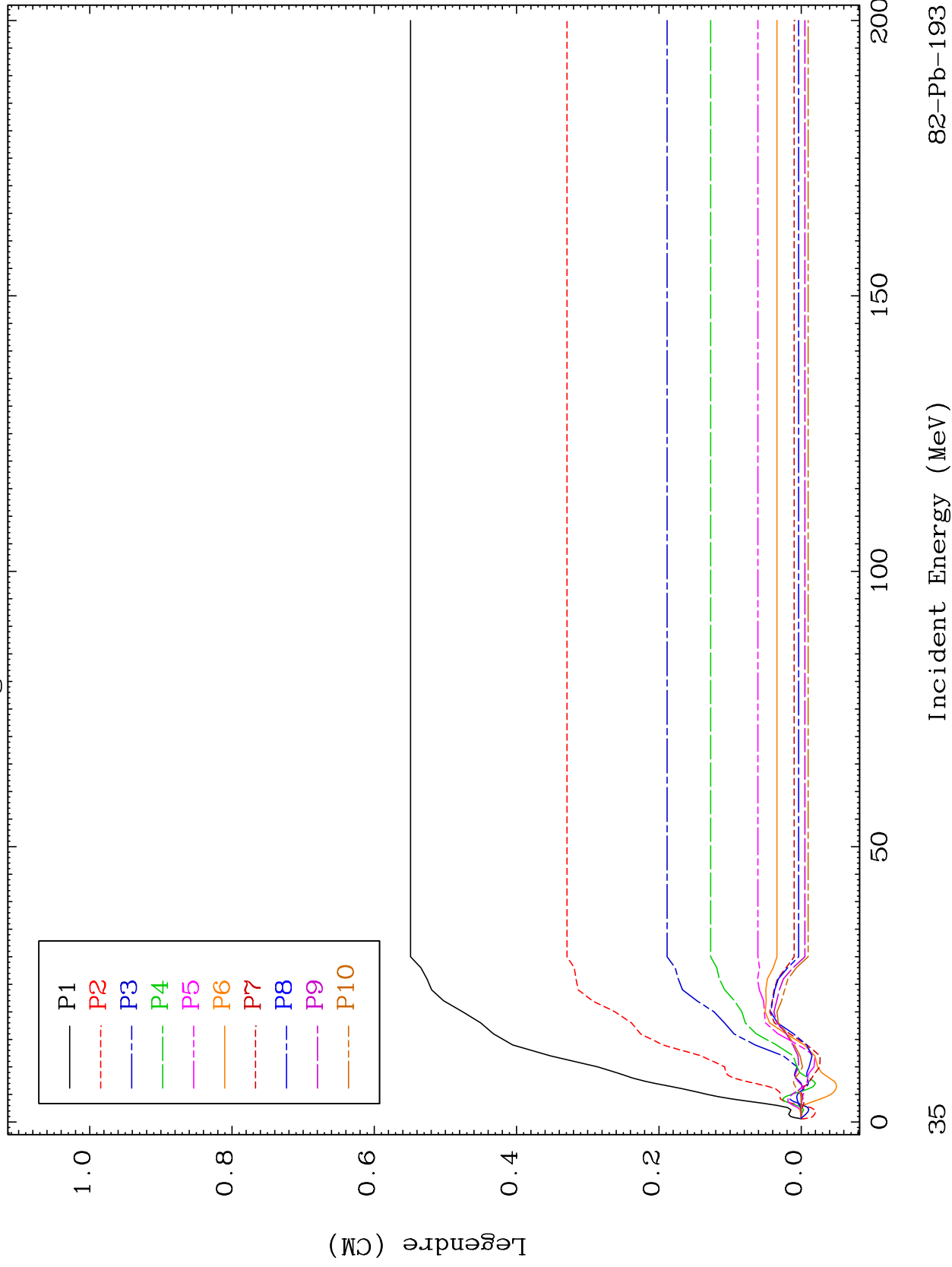


34

MAT 8192

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

82-Pb-193

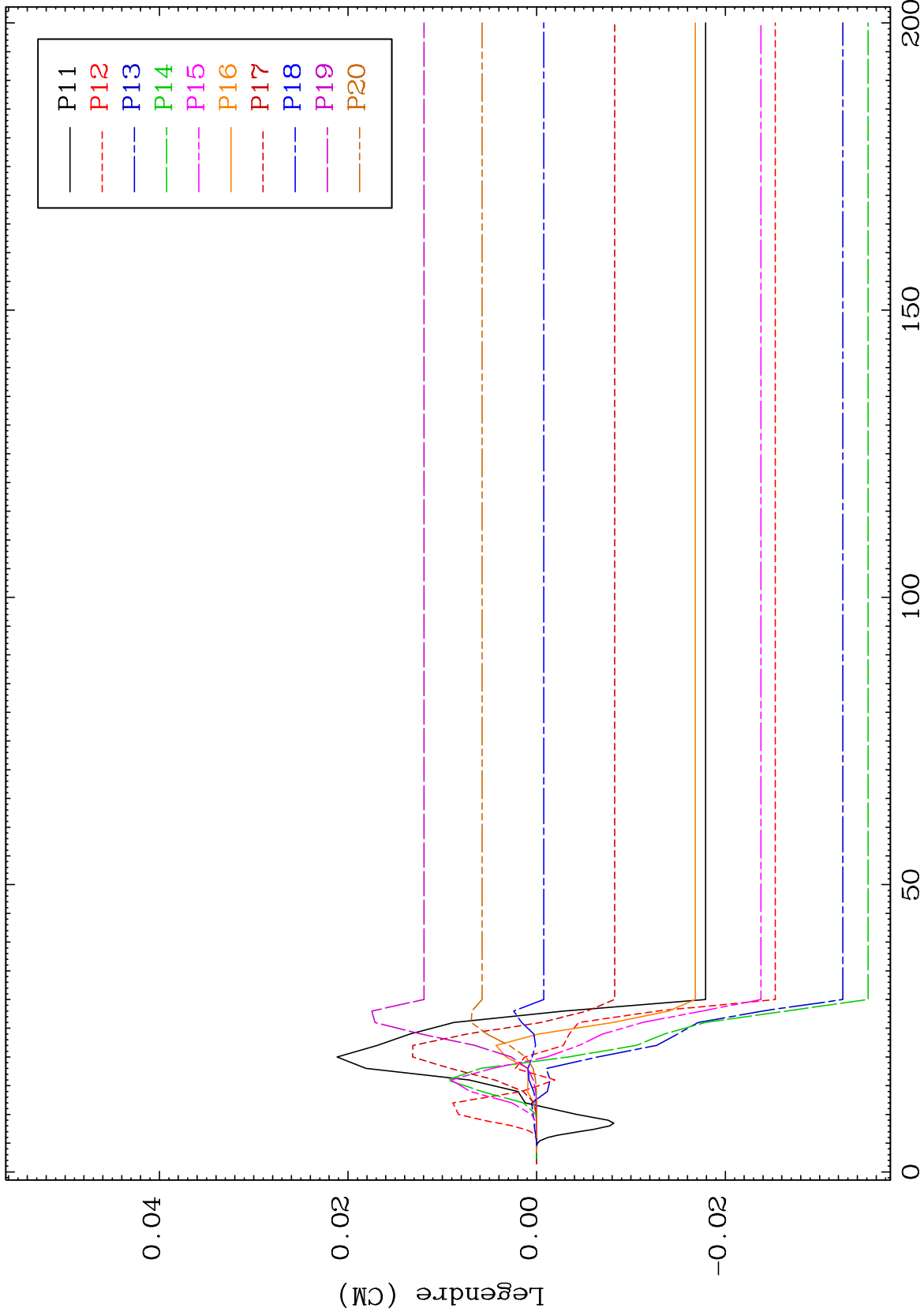


35

MAT 8192

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

82-Pb-193



36

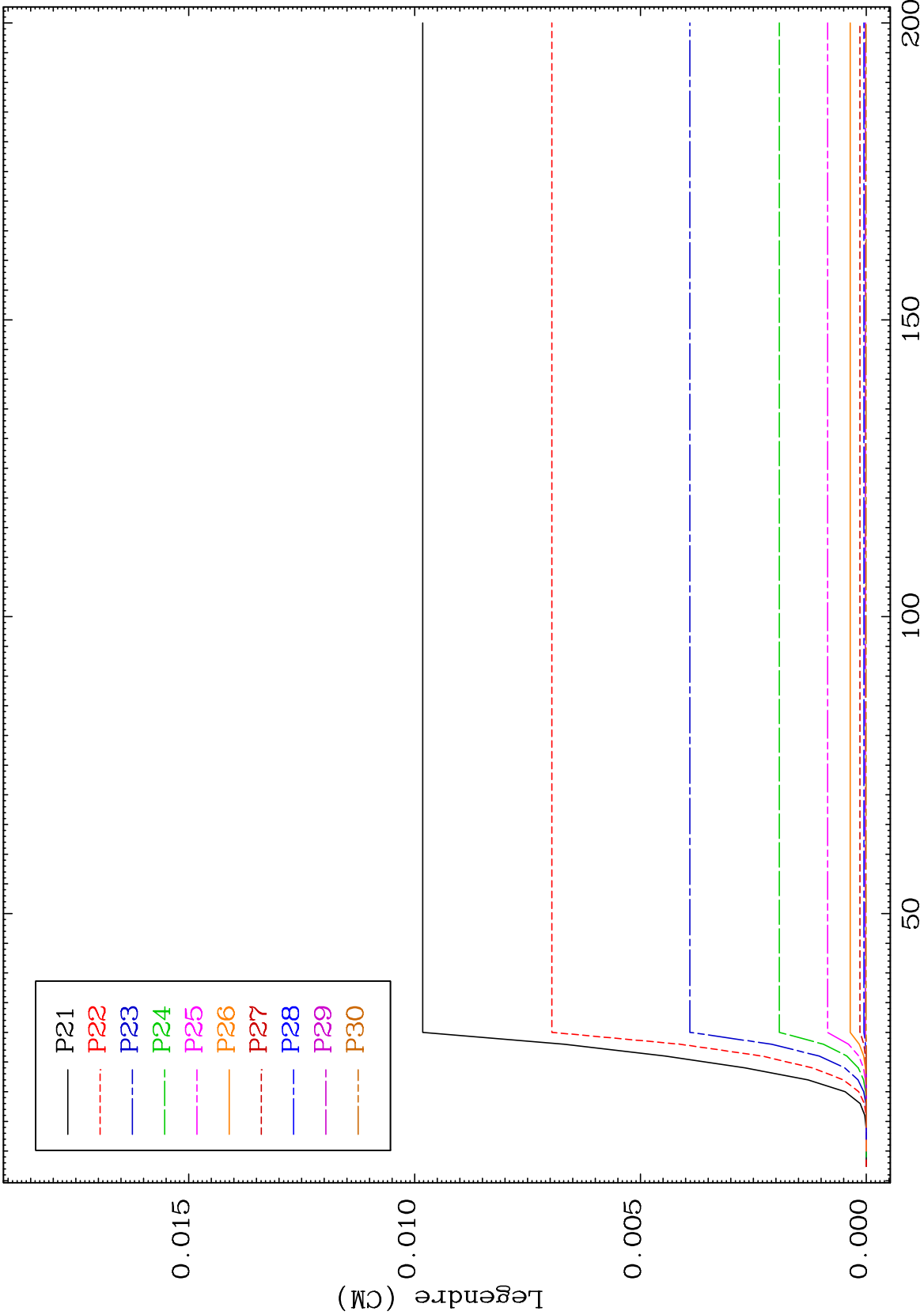
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

82-Pb-193



37

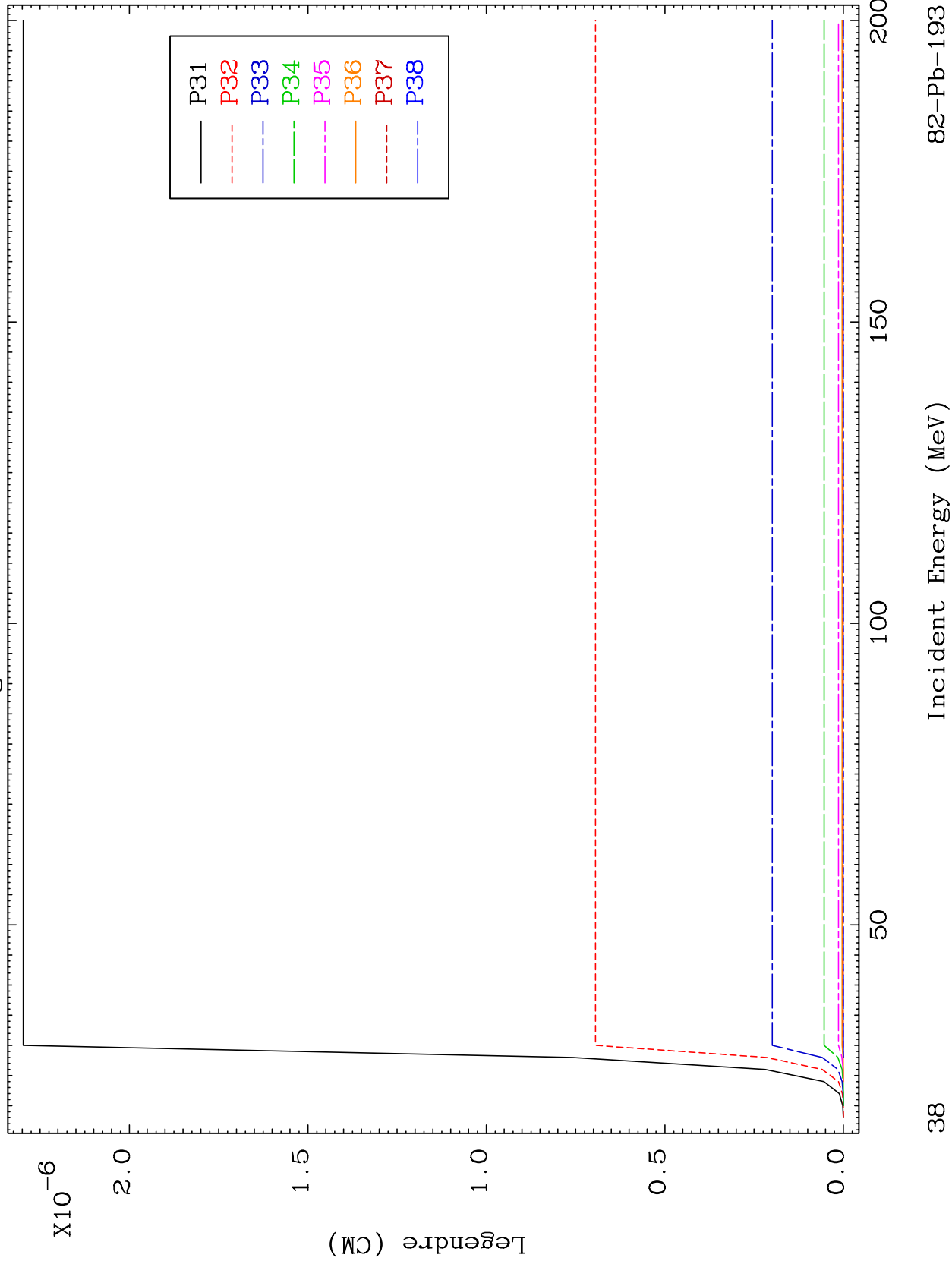
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

82-Pb-193

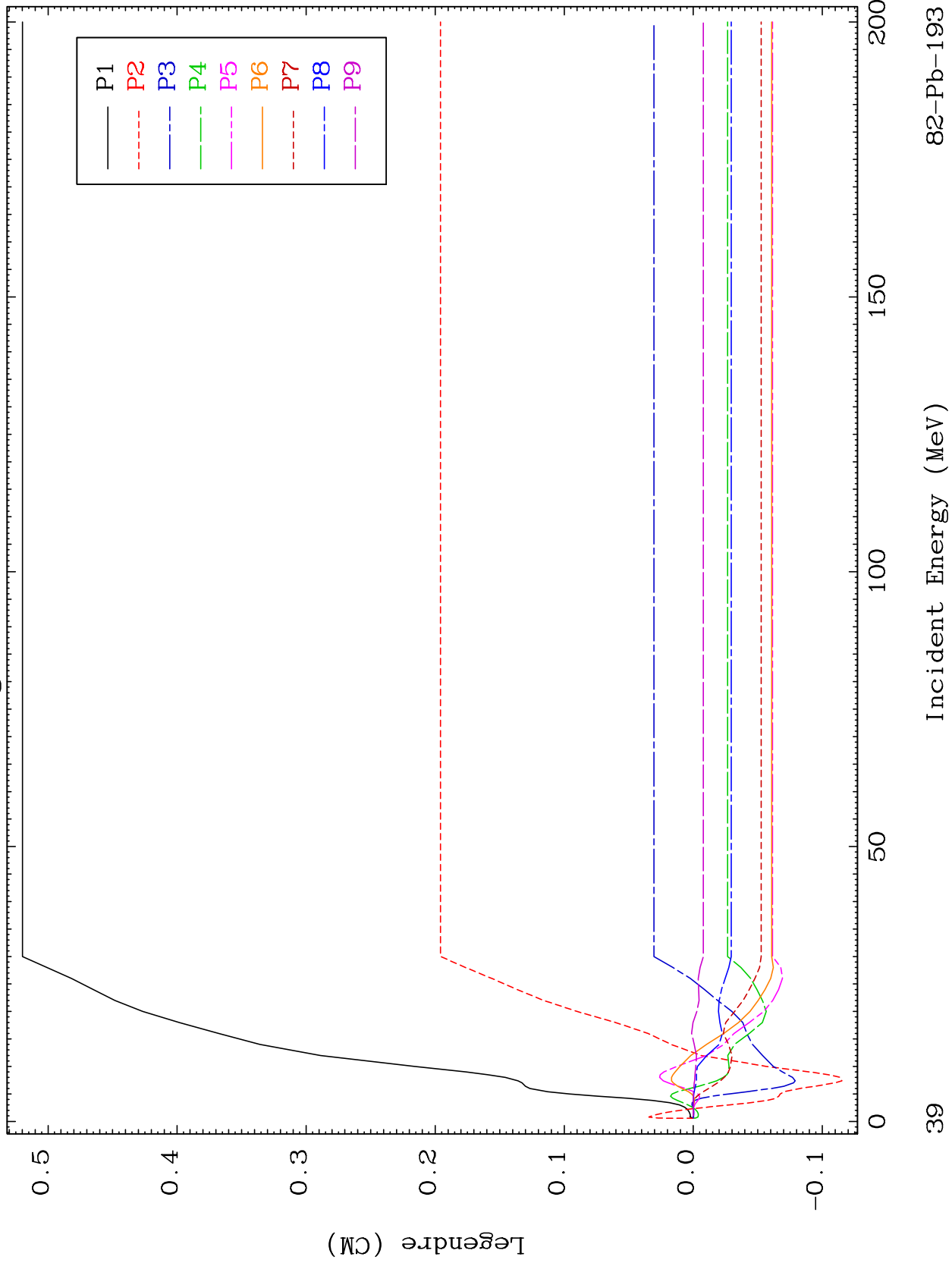


38

MAT 8192

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

82-Pb-193



82-Pb-193

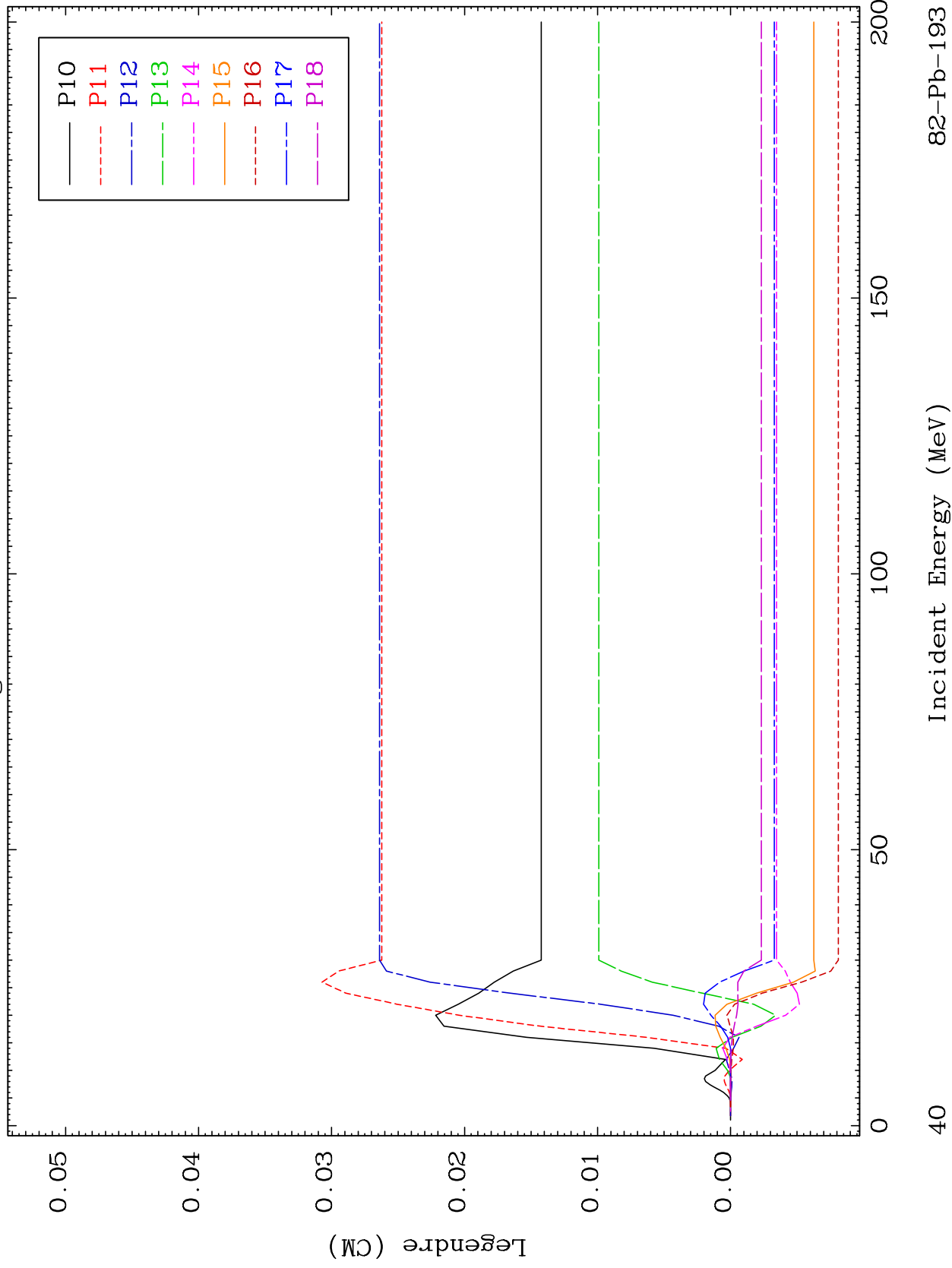
Incident Energy (MeV)

39

MAT 8192

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

82-Pb-193



82-Pb-193

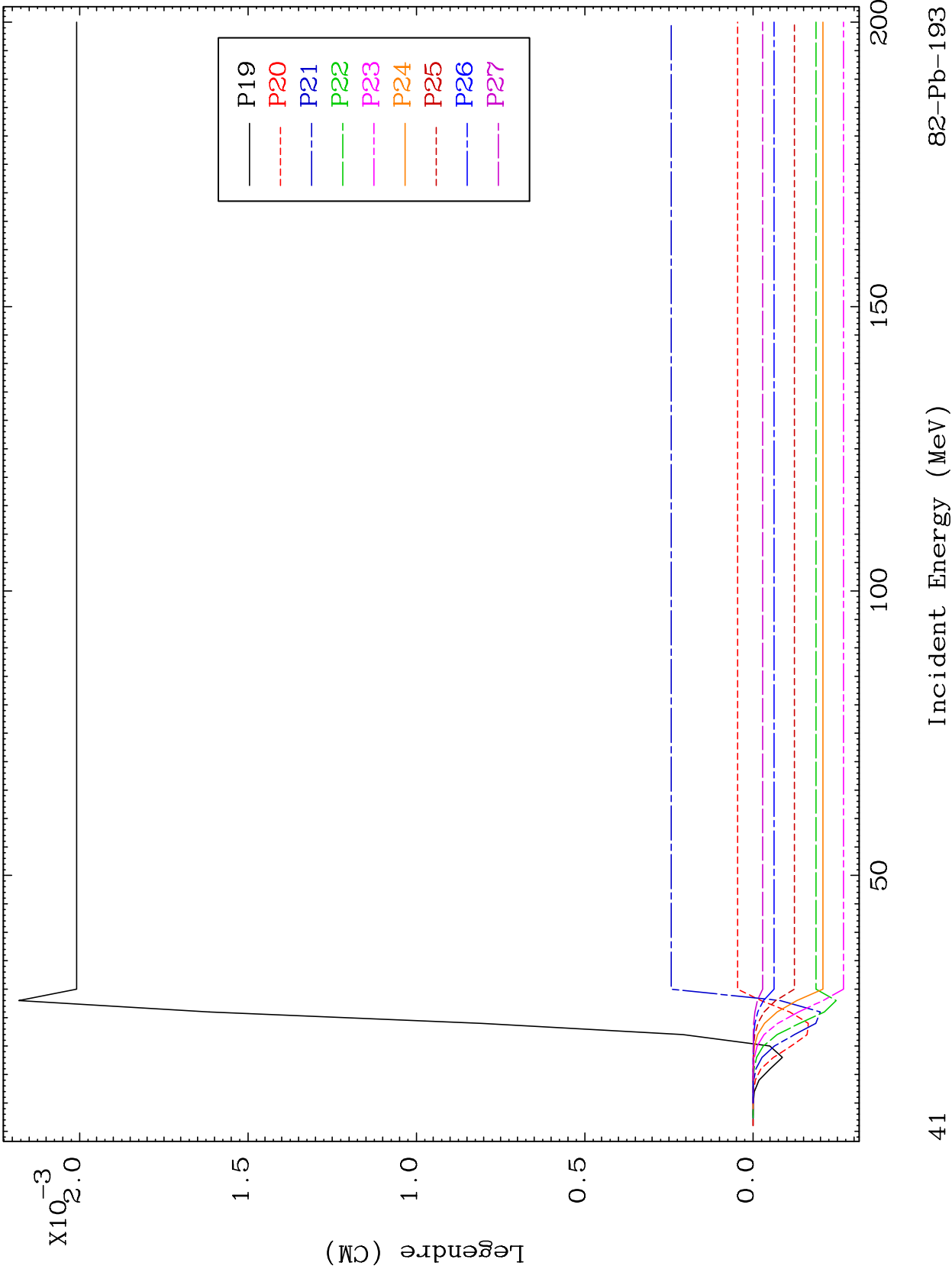
Incident Energy (MeV)

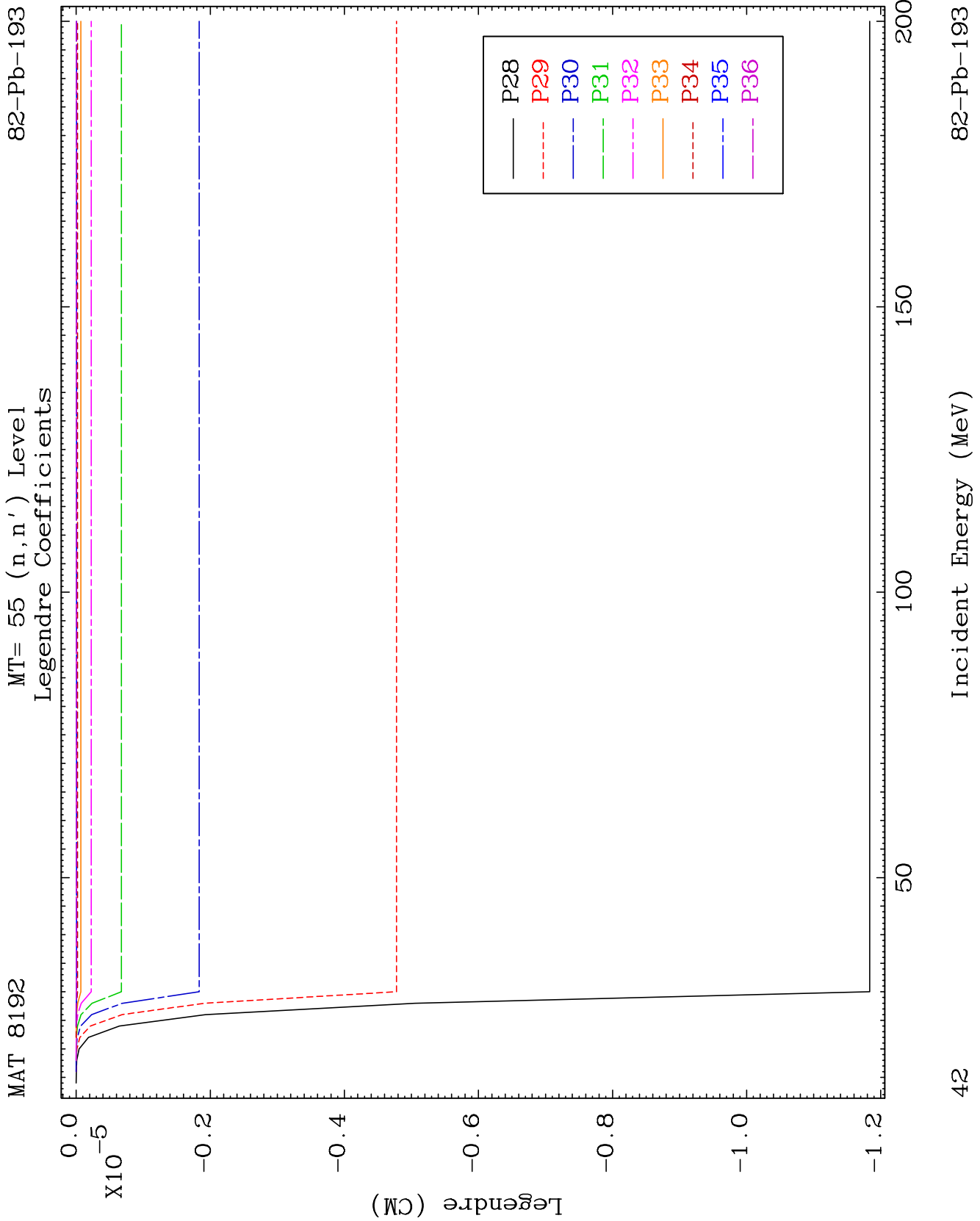
40

MAT 8192

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

82-Pb-193

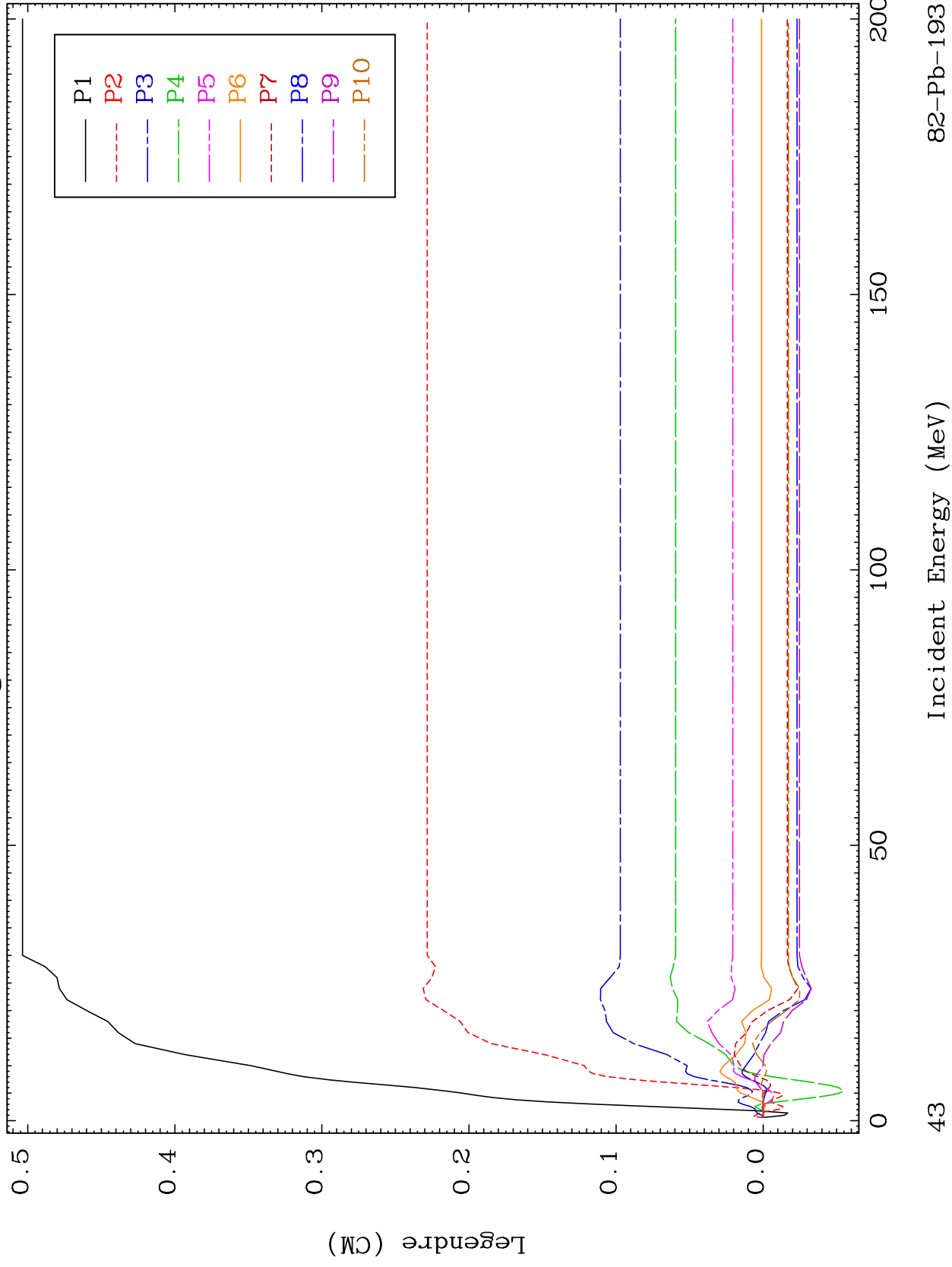




MAT 8192

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

82-Pb-193



82-Pb-193

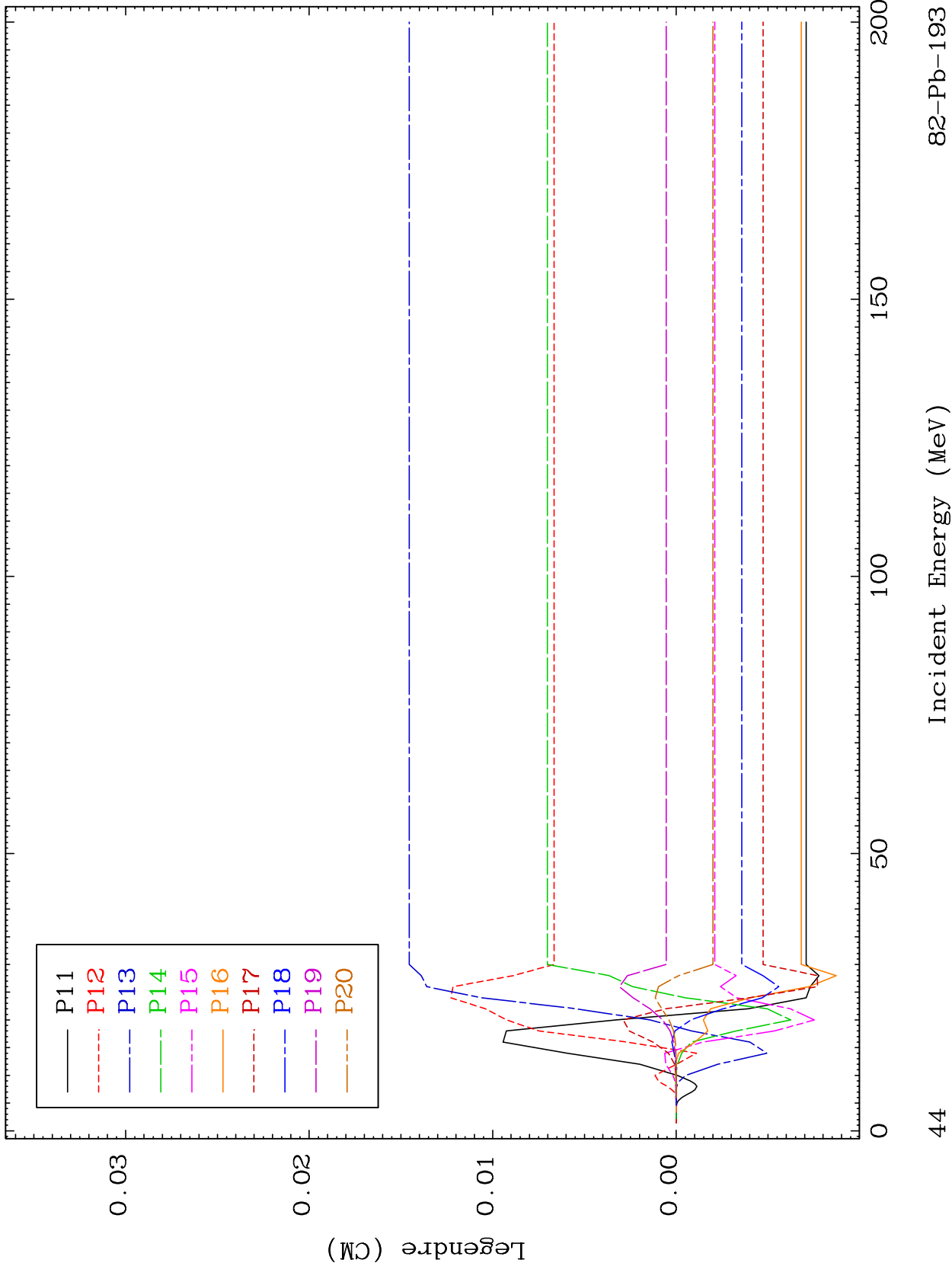
Incident Energy (MeV)

43

MAT 8192

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

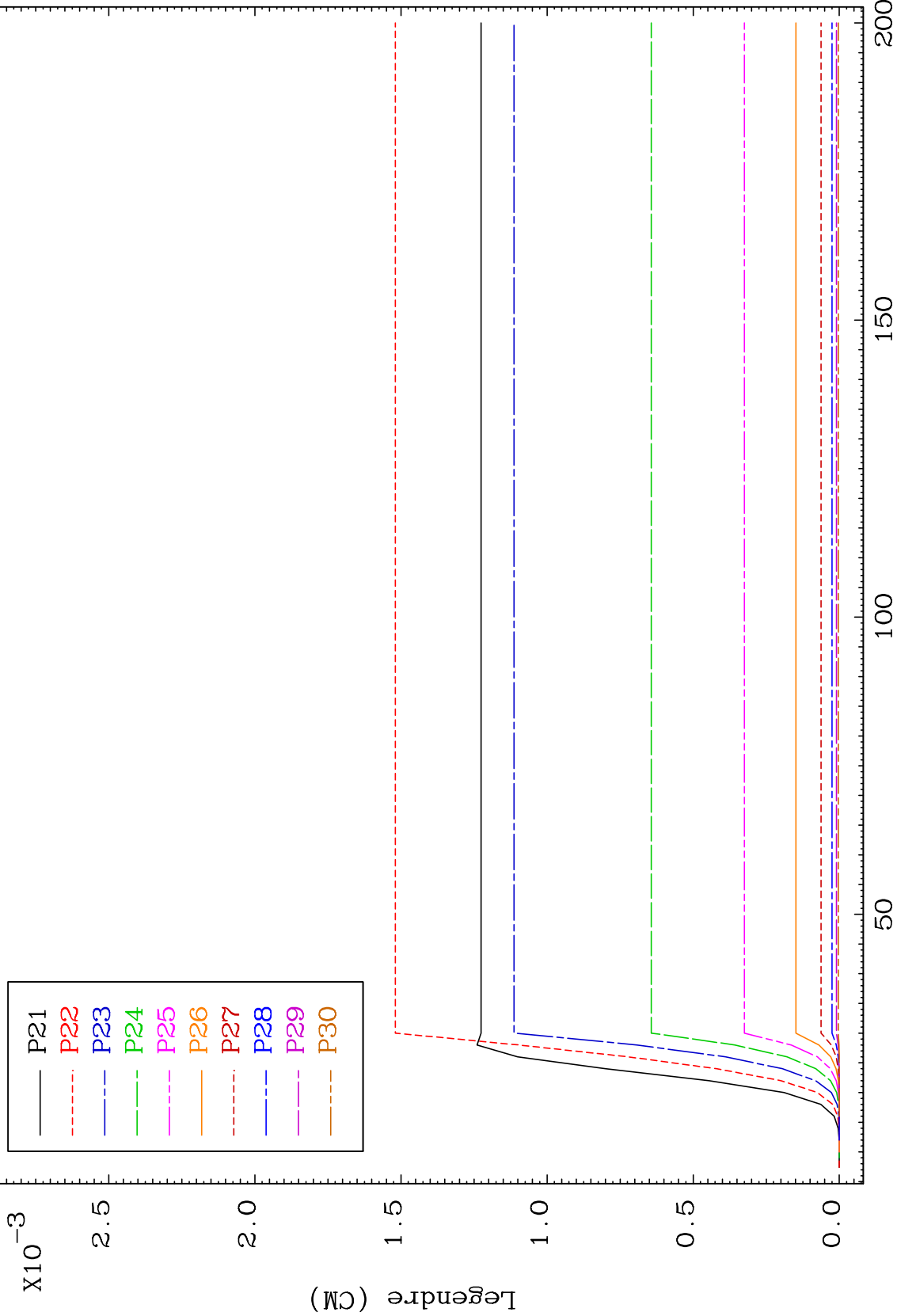
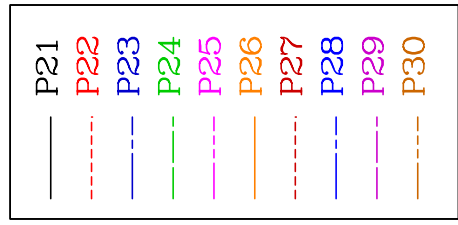
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MAT 8192

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

82-Pb-193



45

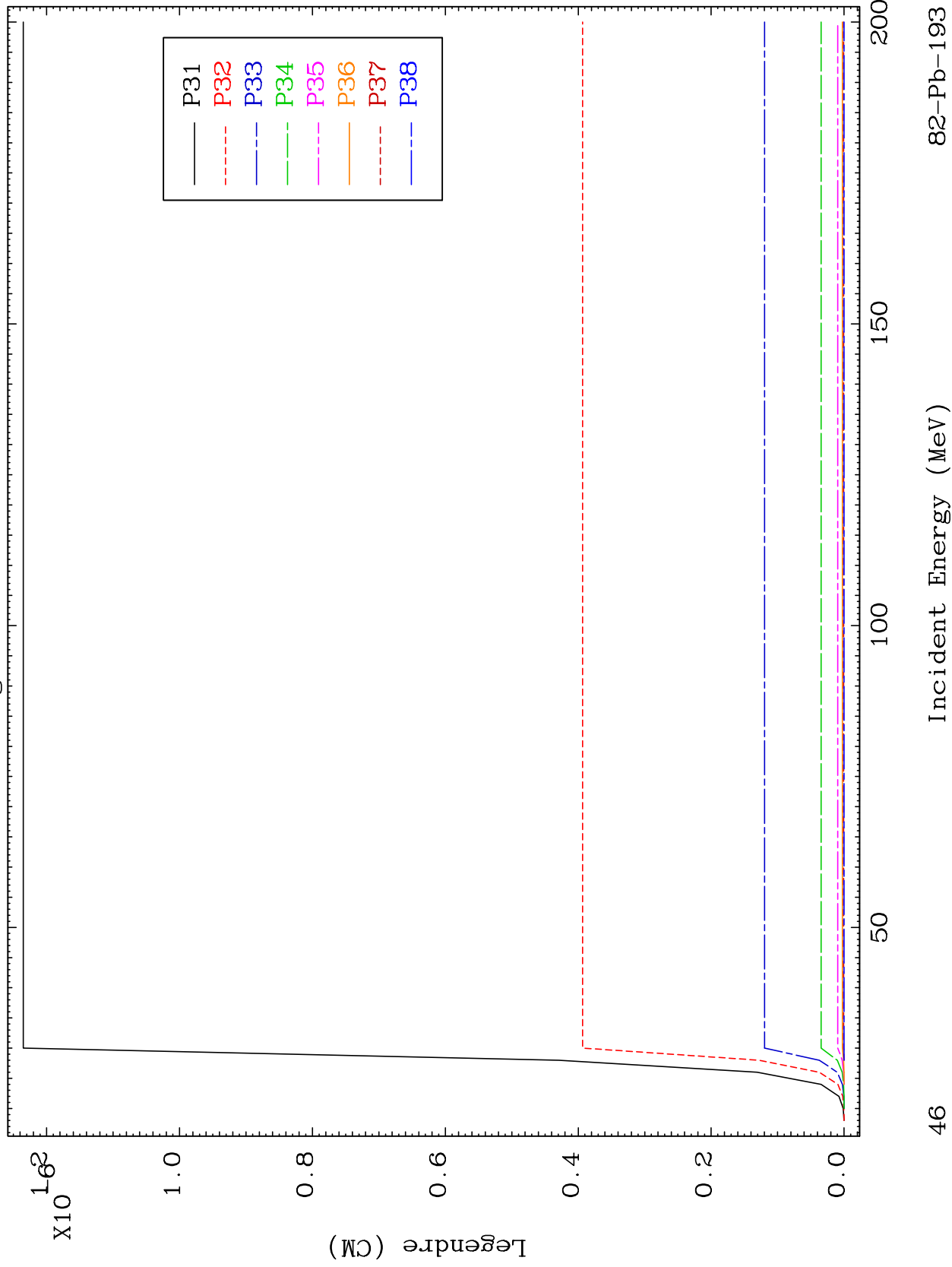
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

82-Pb-193



46

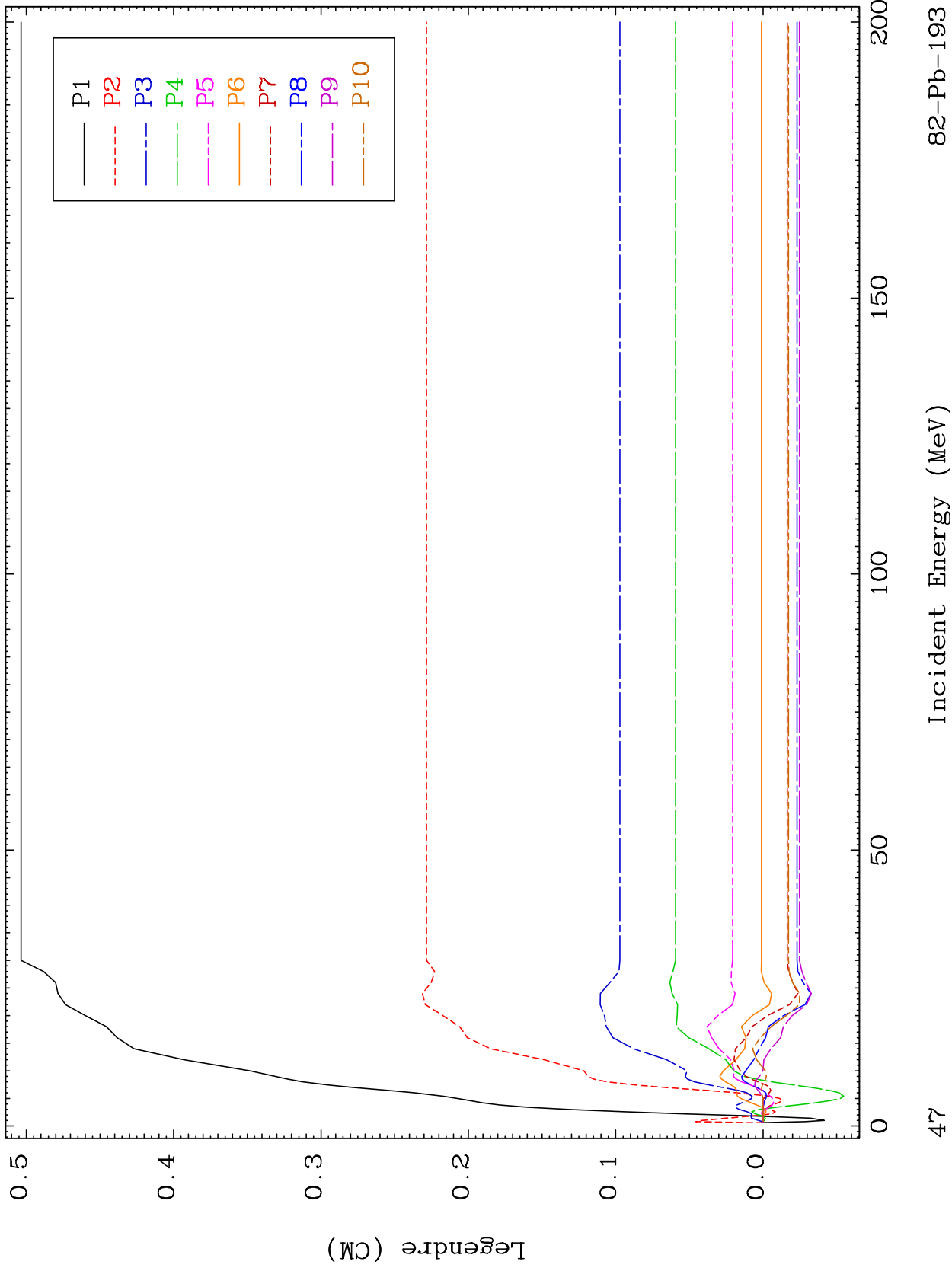
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

82-Pb-193



82-Pb-193

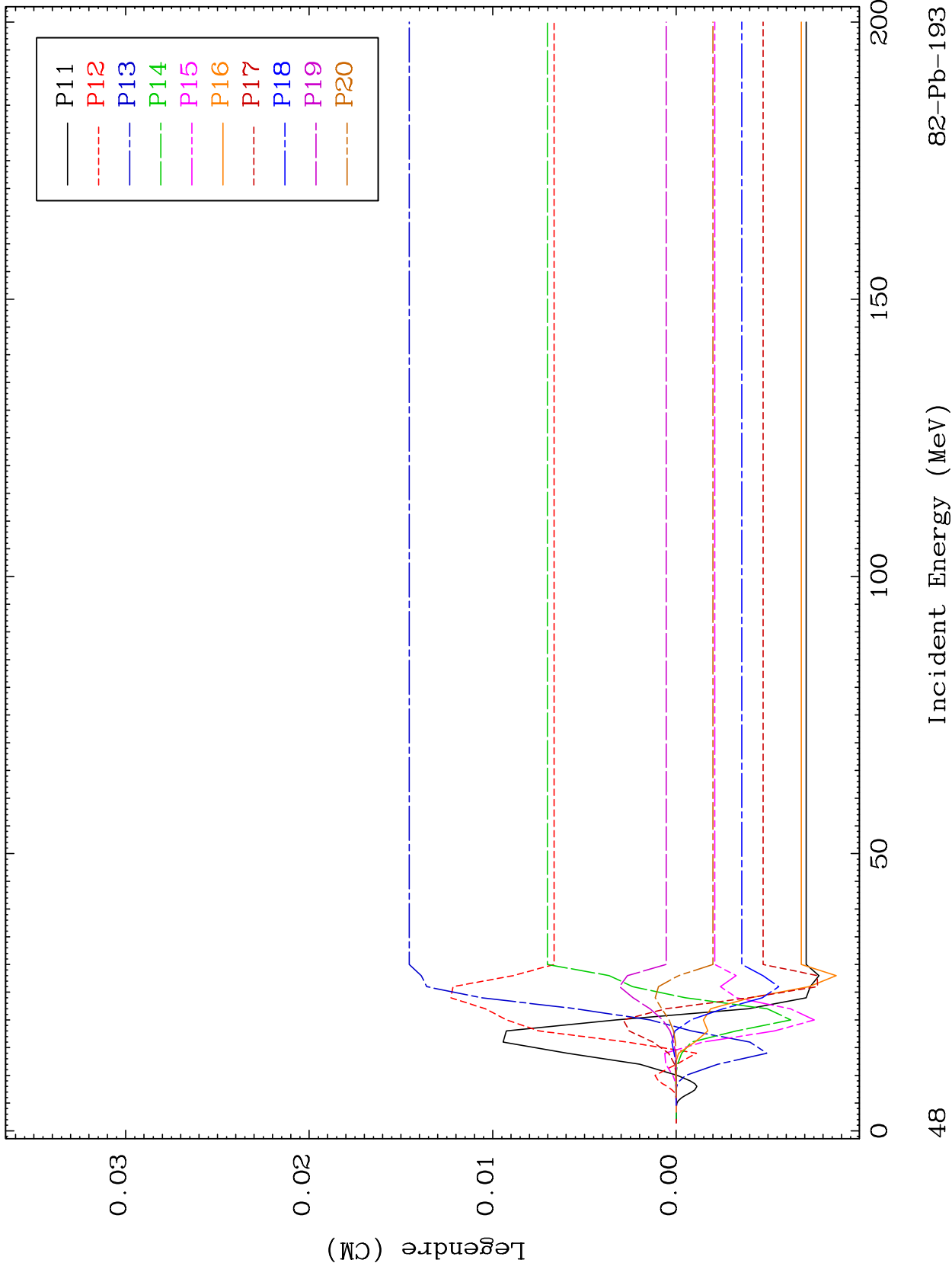
Incident Energy (MeV)

47

MAT 8192

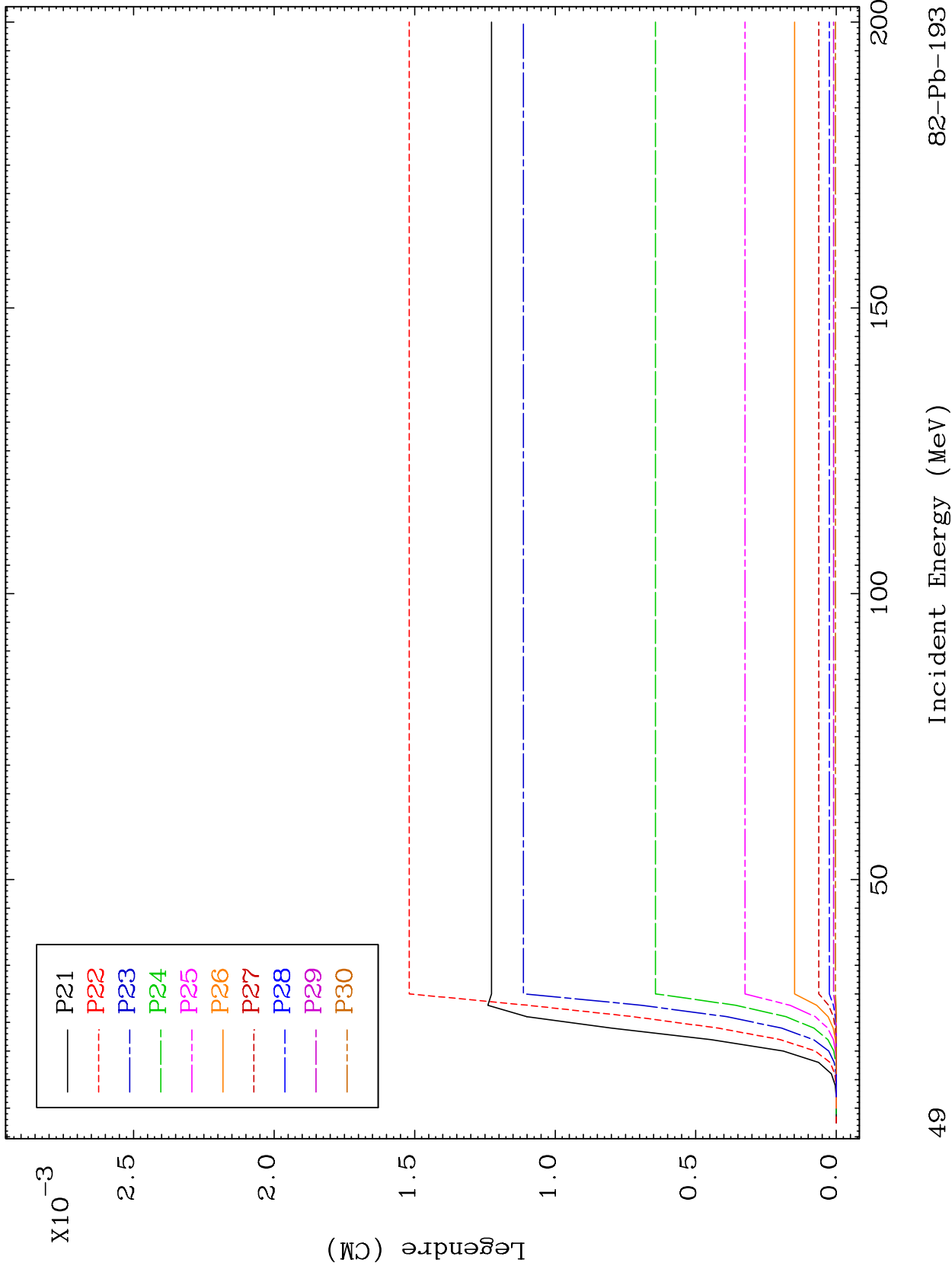
MT= 57 (n,n') Level  
Legendre Coefficients

82-Pb-193



48

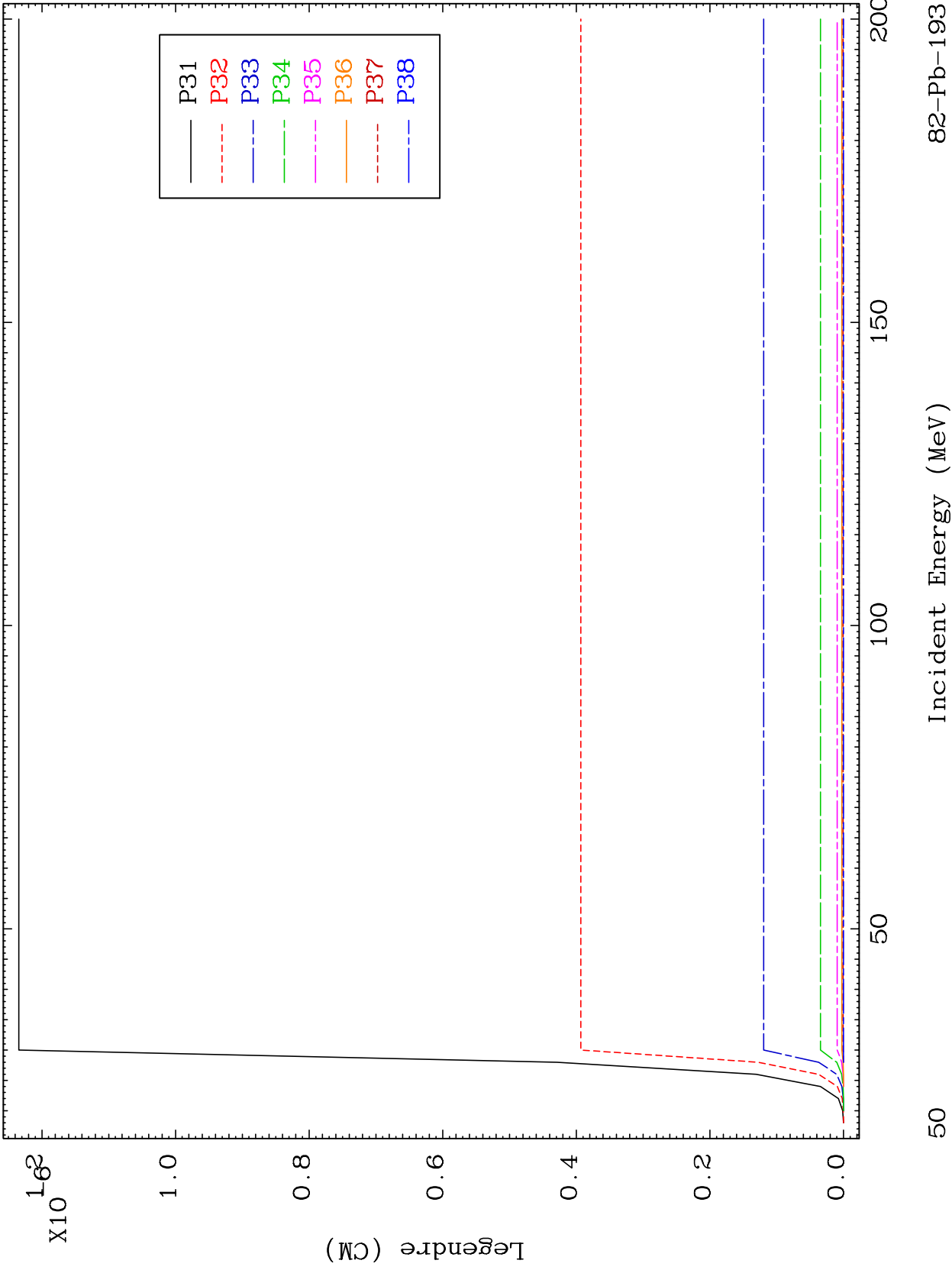
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MAT 8192

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

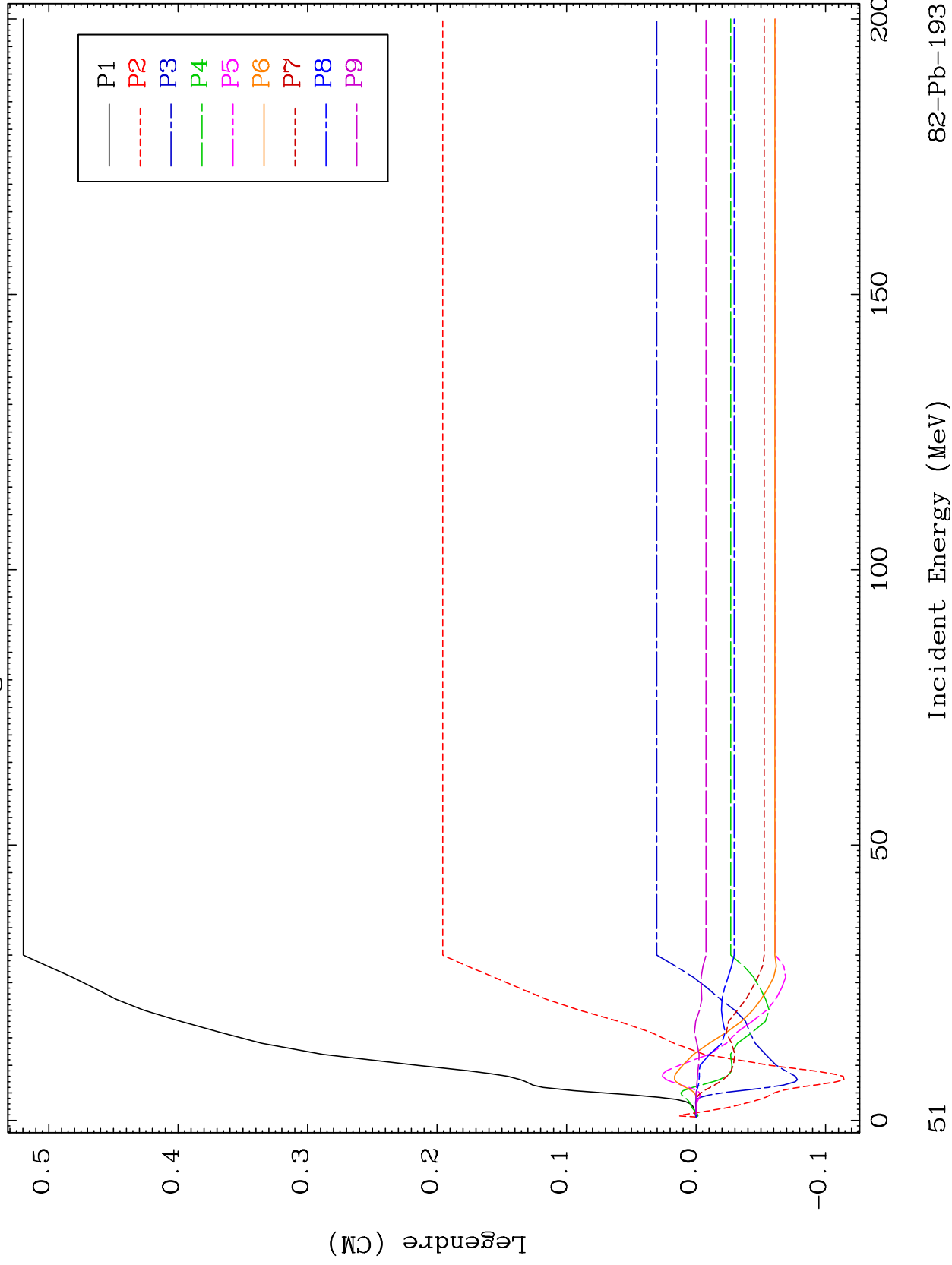
82-Pb-193



MAT 8192

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

82-Pb-193



82-Pb-193

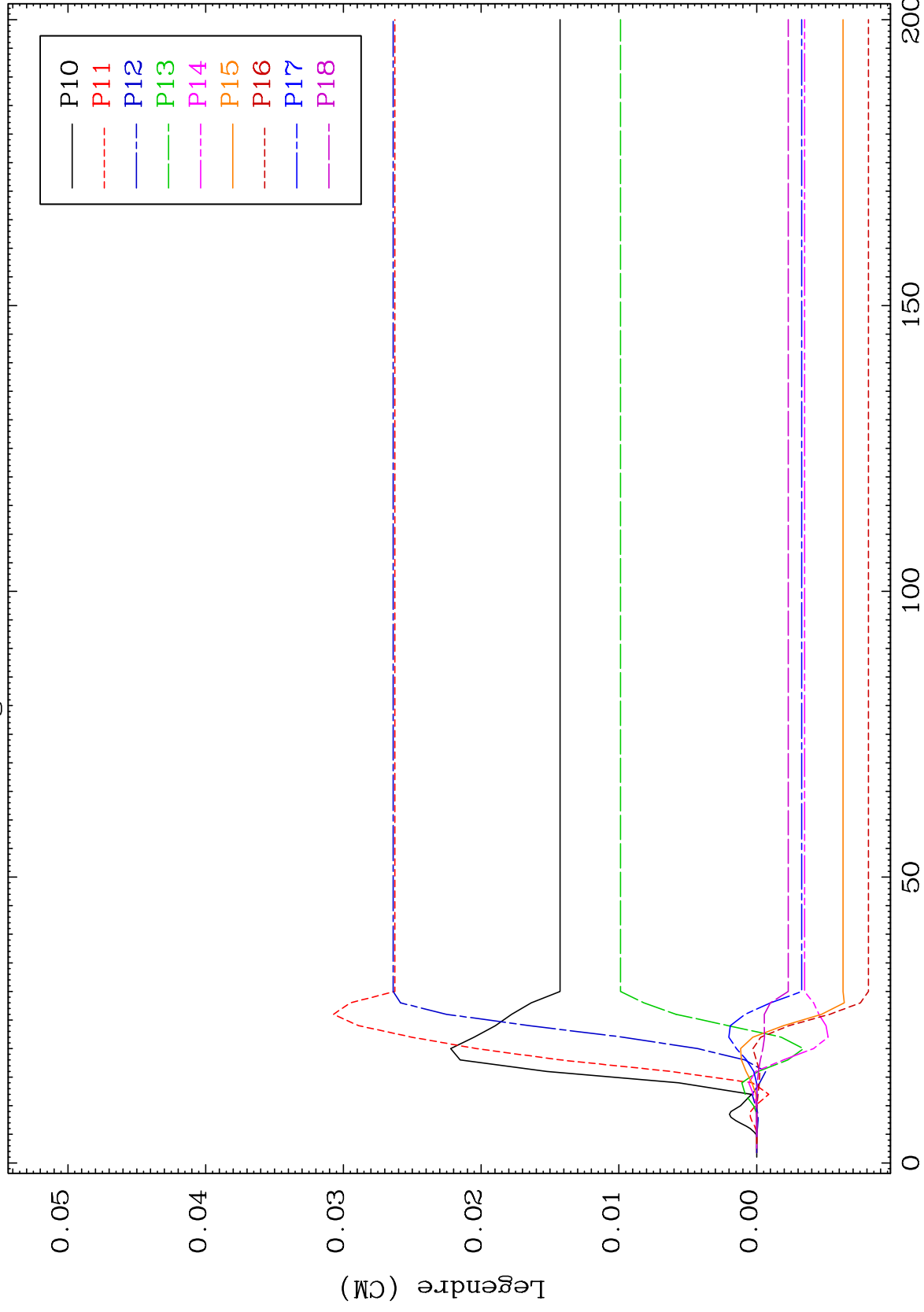
Incident Energy (MeV)

51

MAT 8192

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

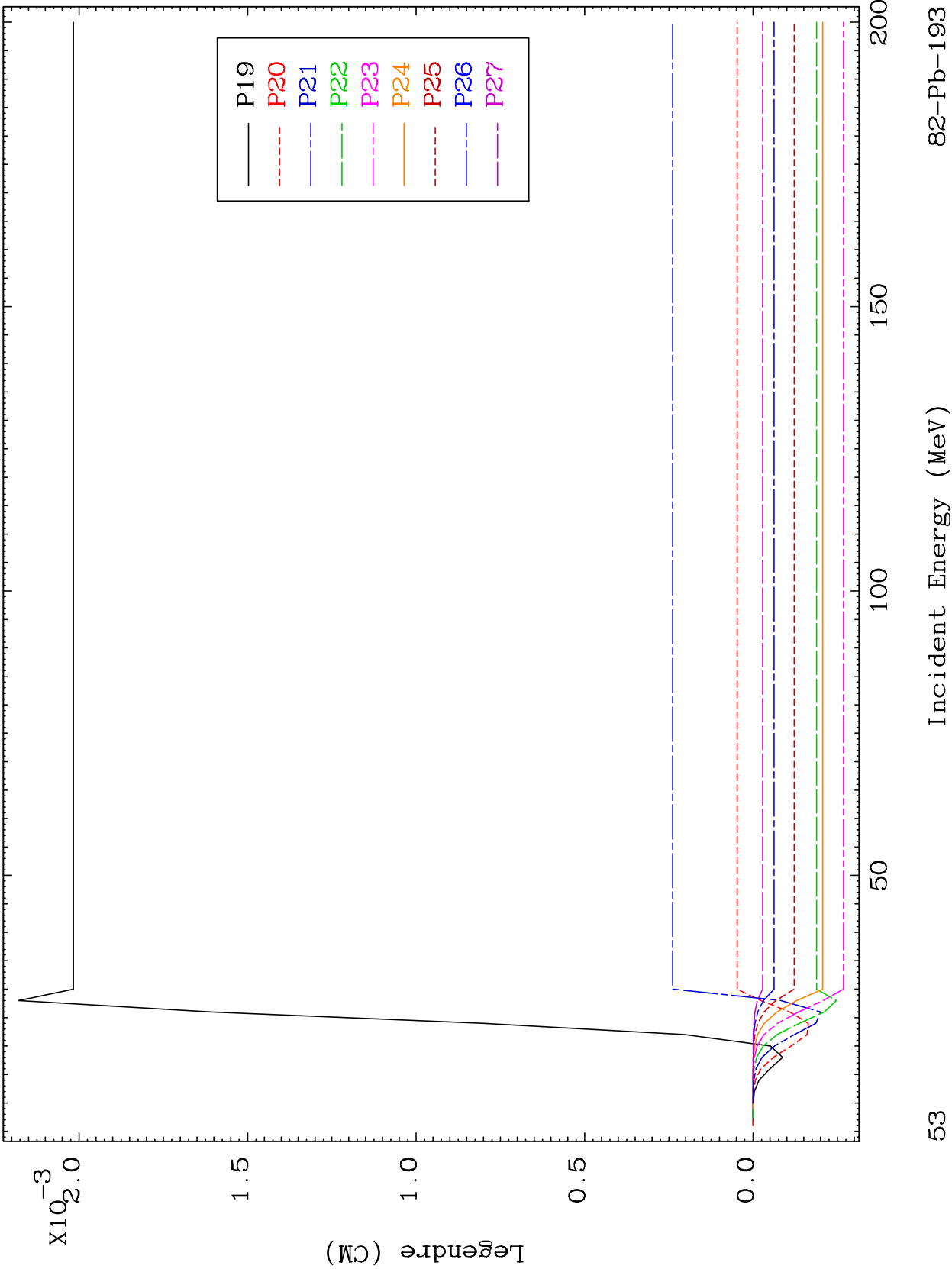
82-Pb-193



52

Incident Energy (MeV)

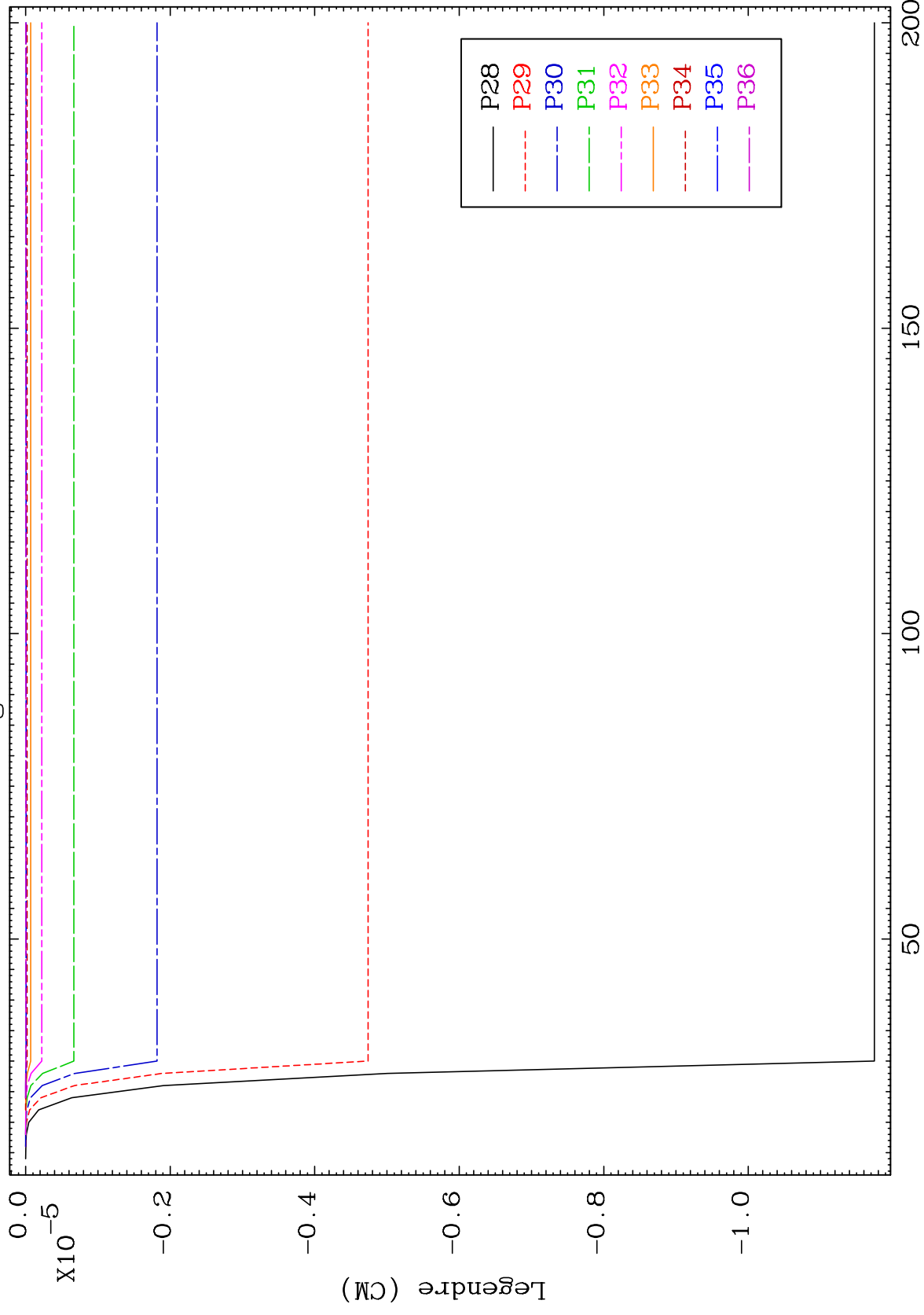
82-Pb-193



MAT 8192

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

82-Pb-193



54

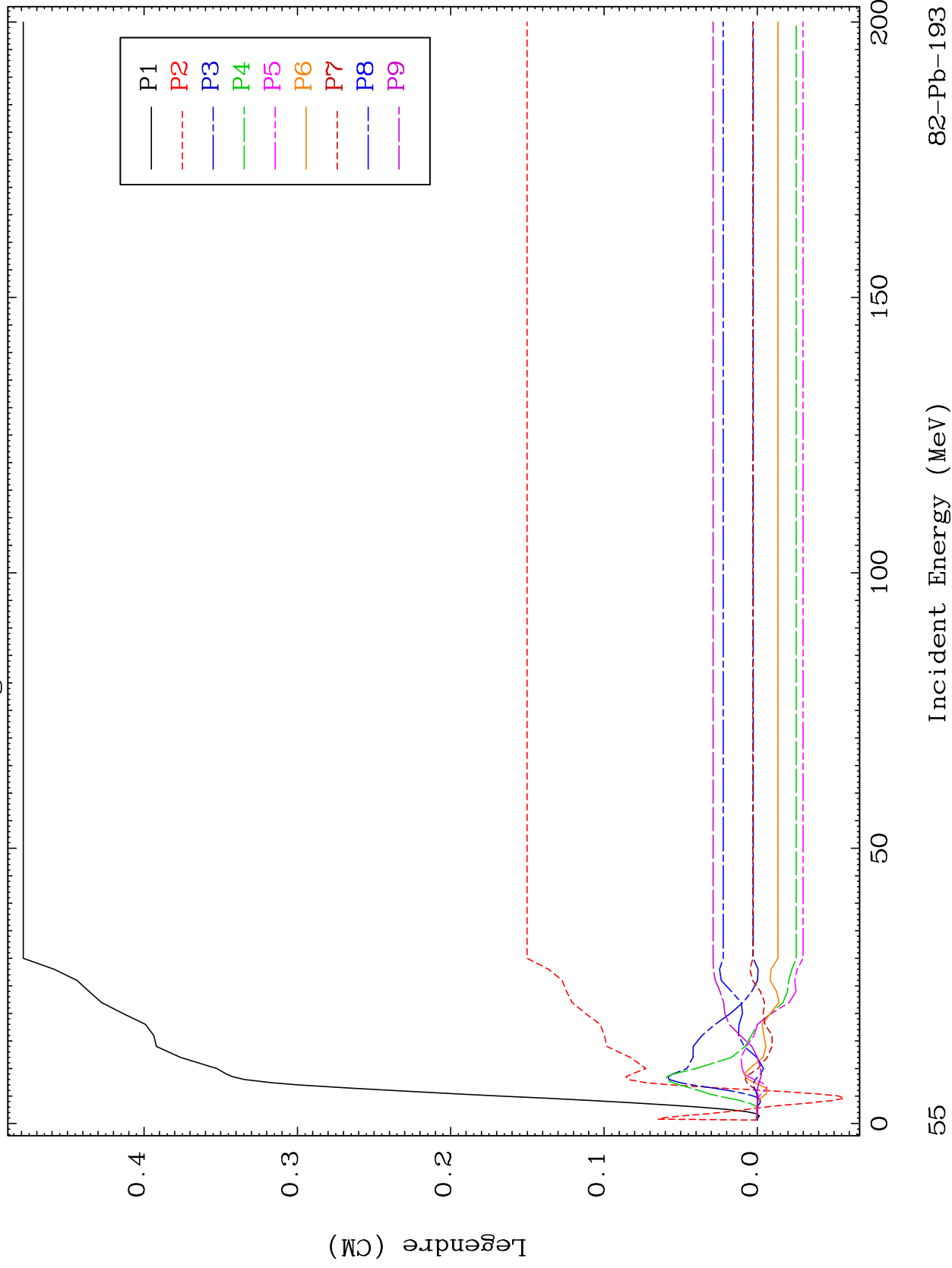
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

82-Pb-193



82-Pb-193

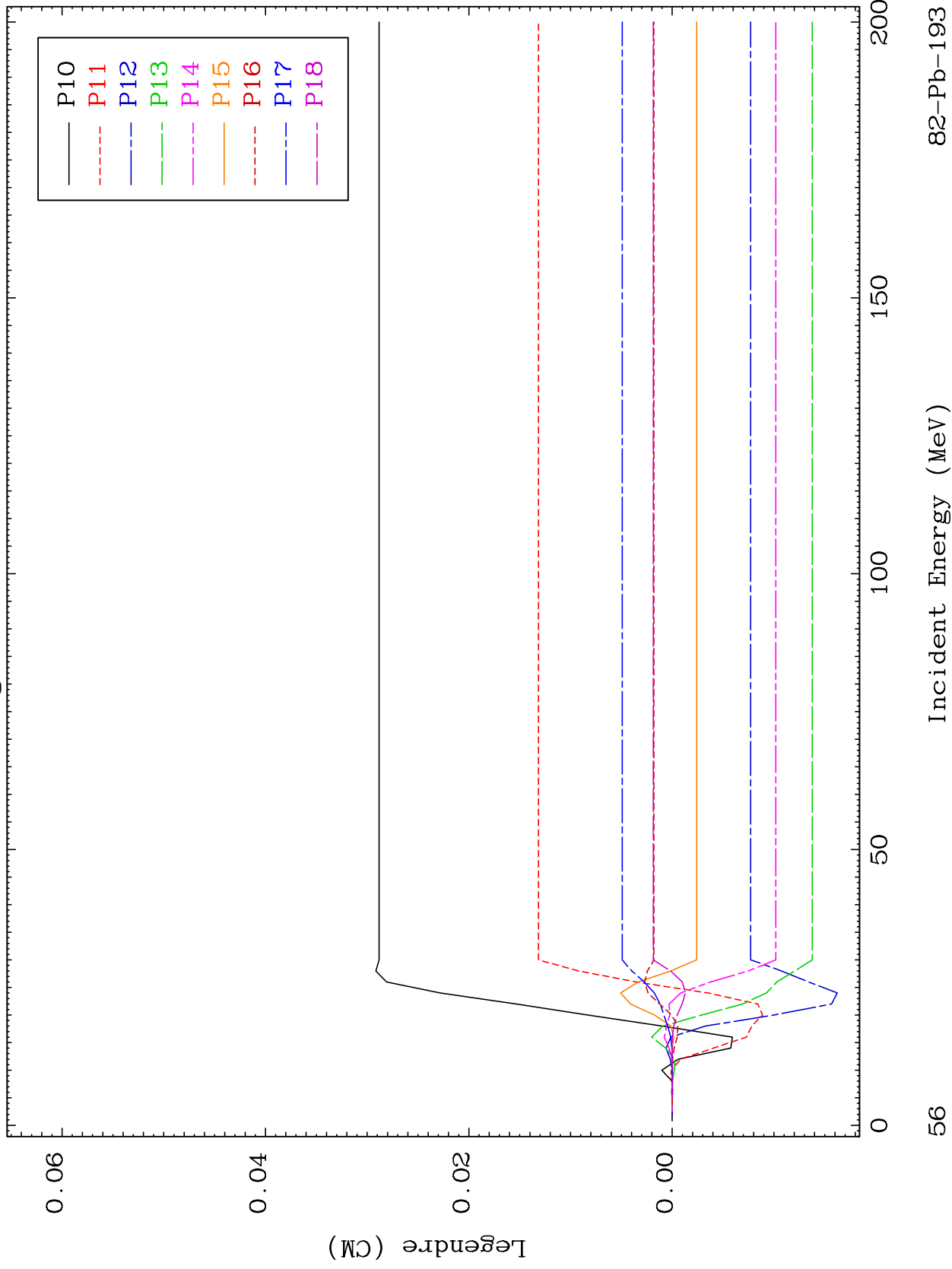
Incident Energy (MeV)

55

MAT 8192

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

82-Pb-193



82-Pb-193

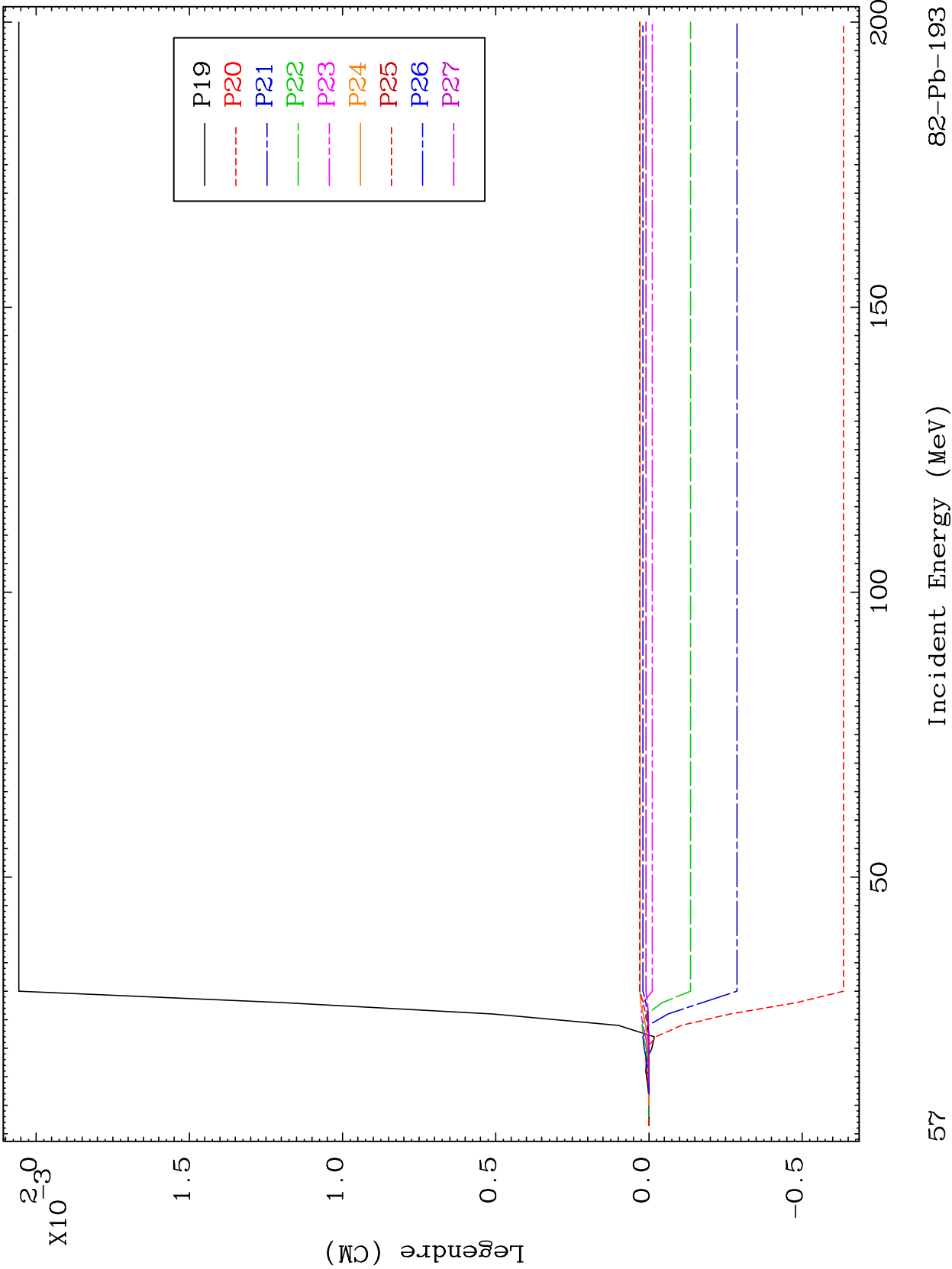
Incident Energy (MeV)

56

MAT 8192

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

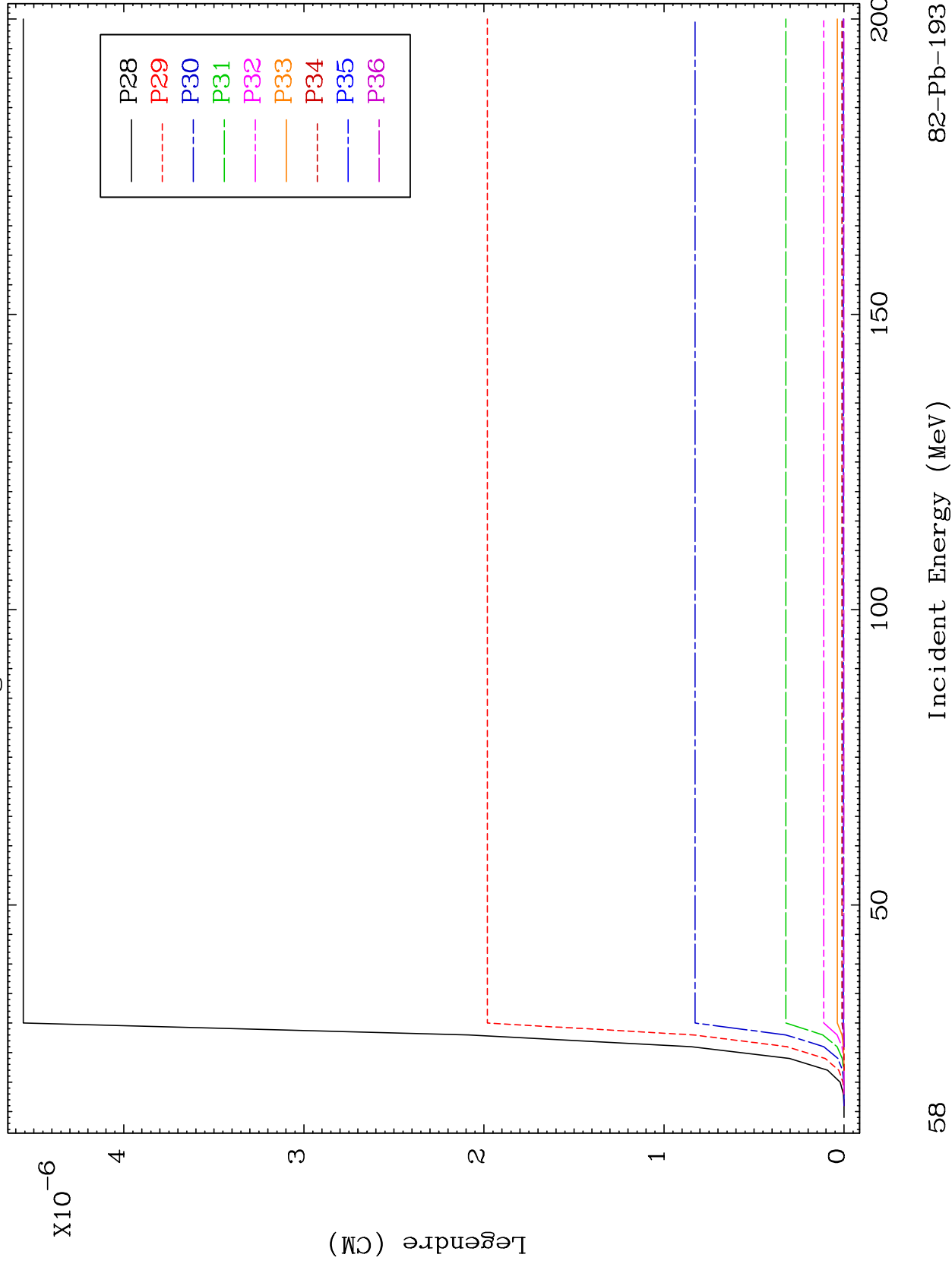
82-Pb-193



MAT 8192

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

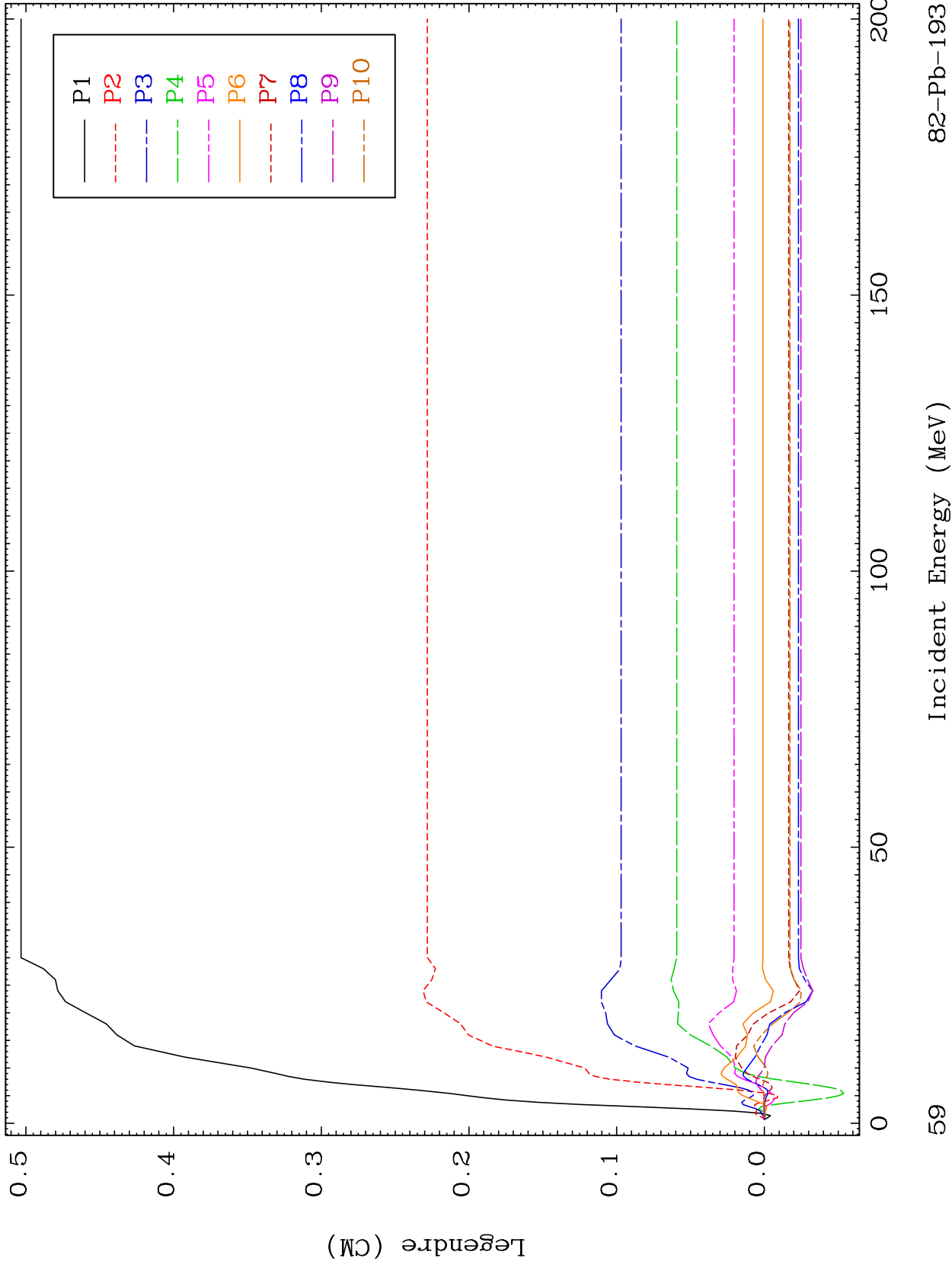
82-Pb-193



MAT 8192

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

82-Pb-193



59

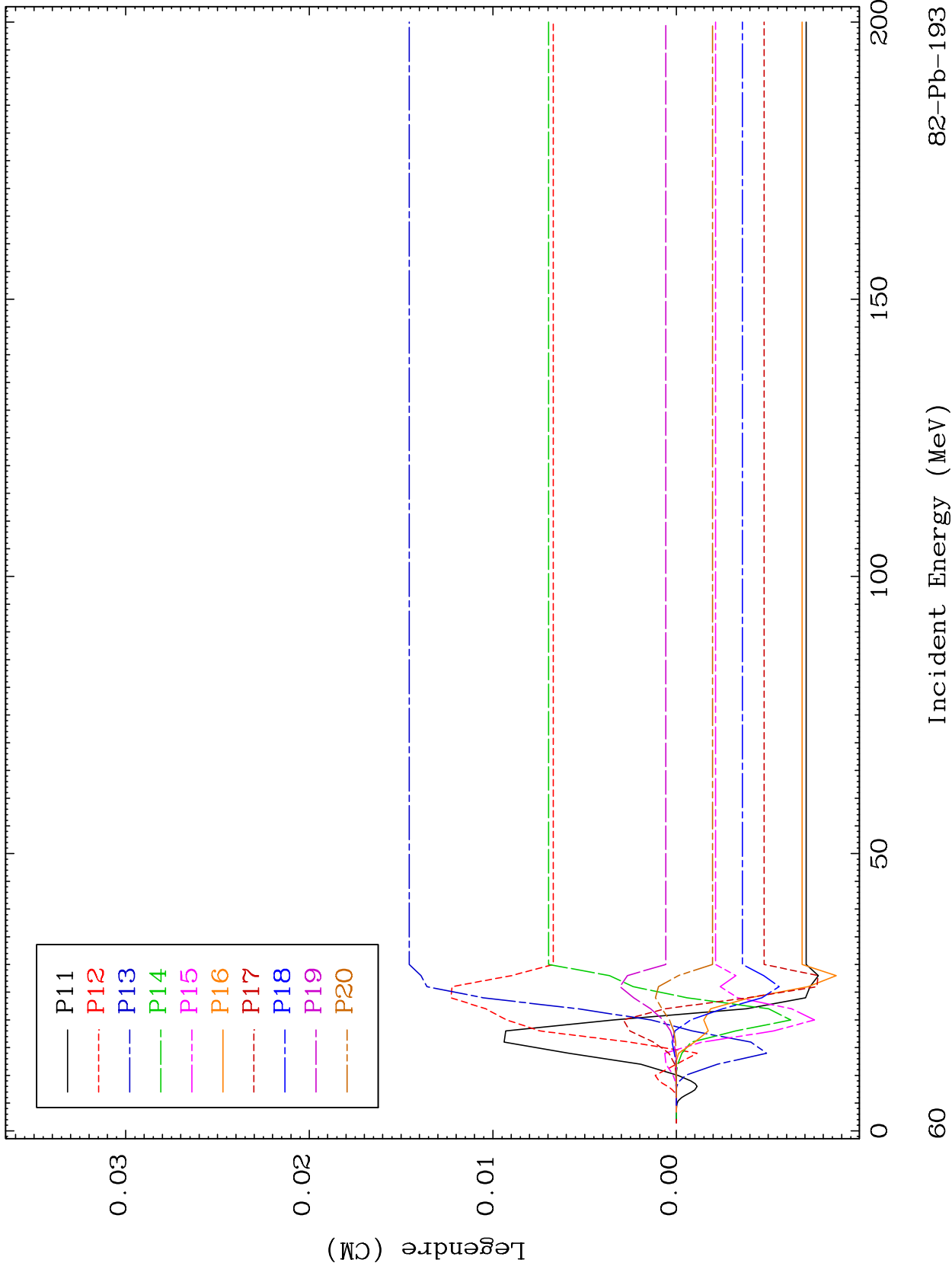
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

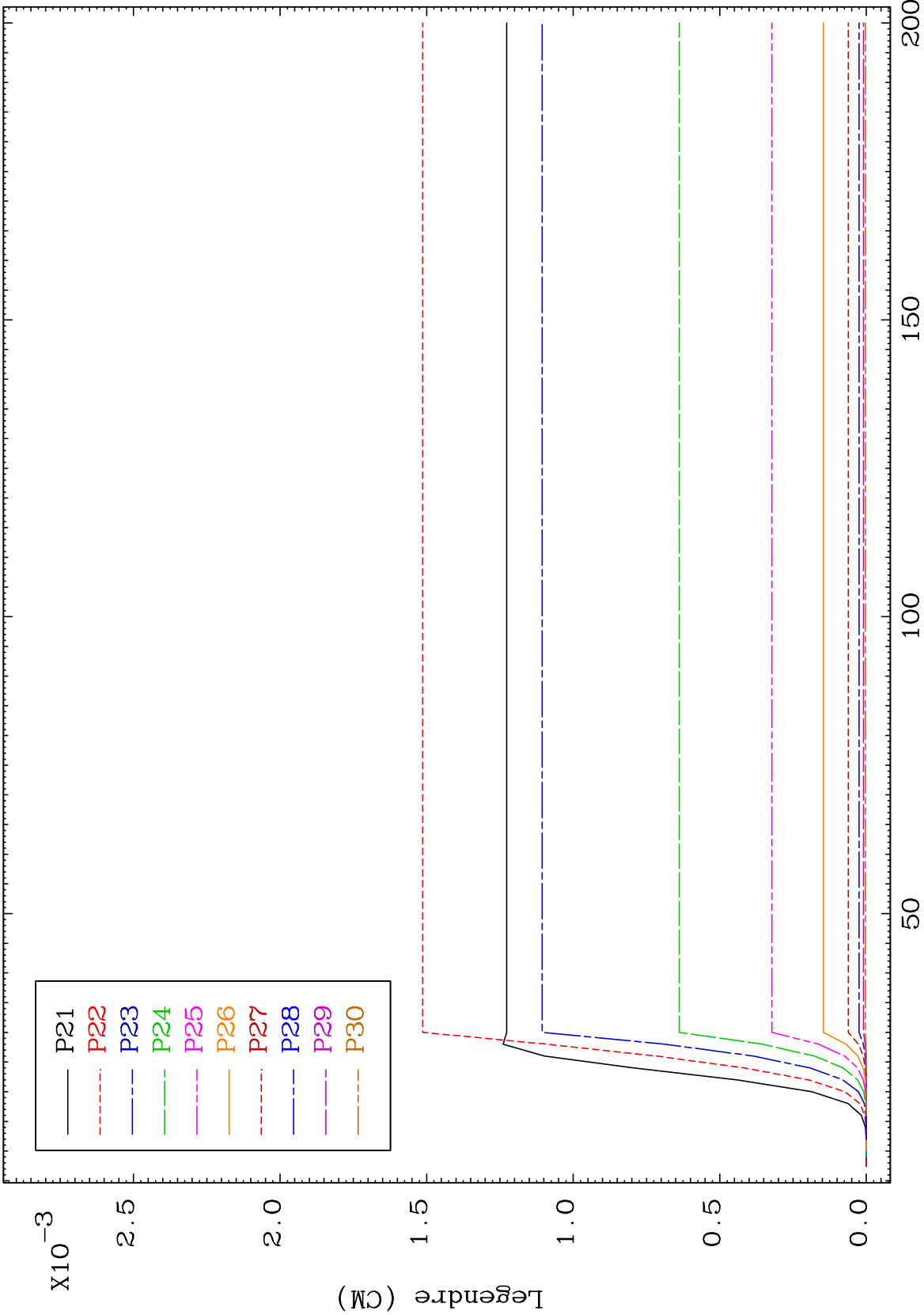
82-Pb-193



82-Pb-193

Incident Energy (MeV)

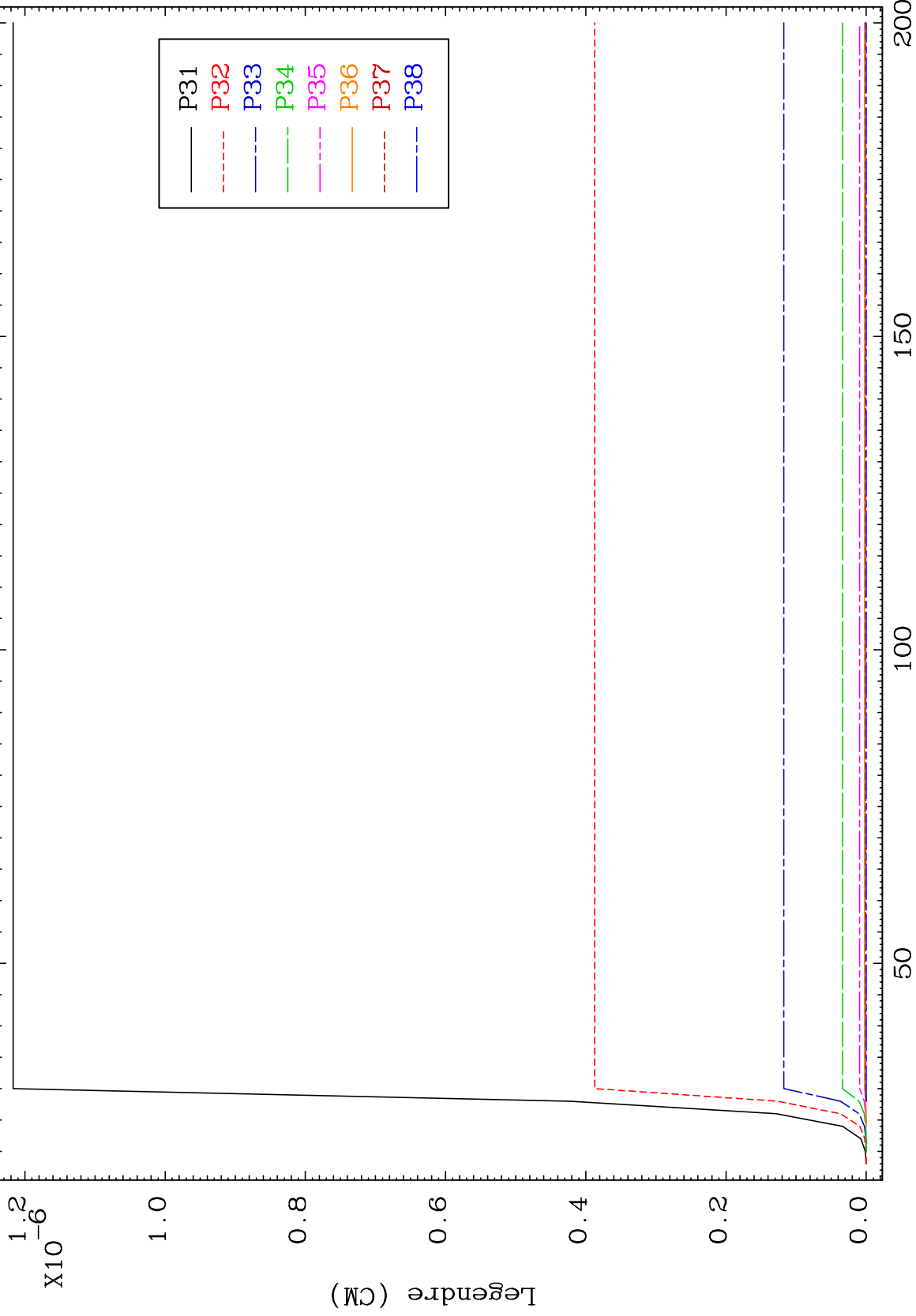
60



MAT 8192

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

82-Pb-193



62

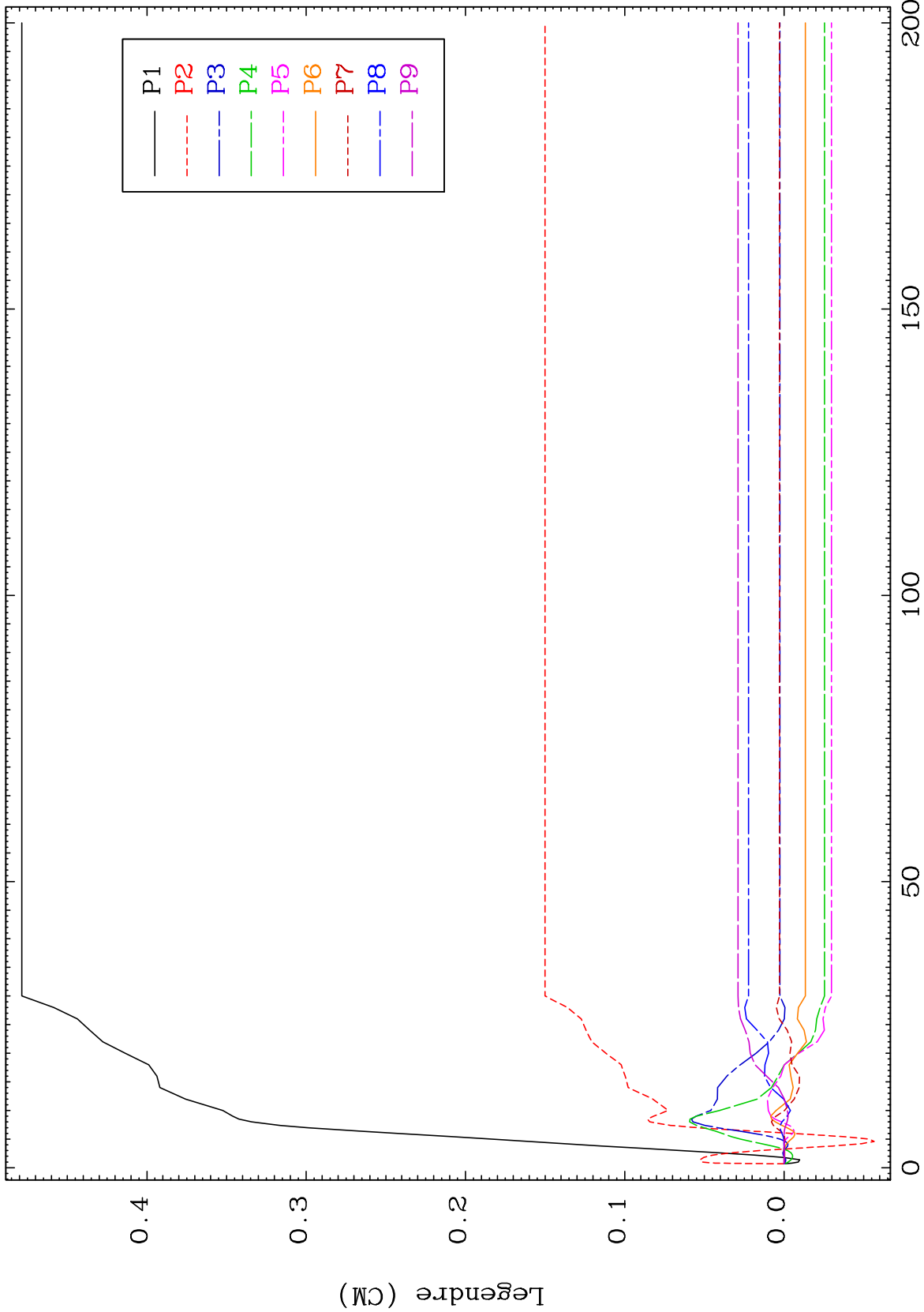
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

82-Pb-193



63

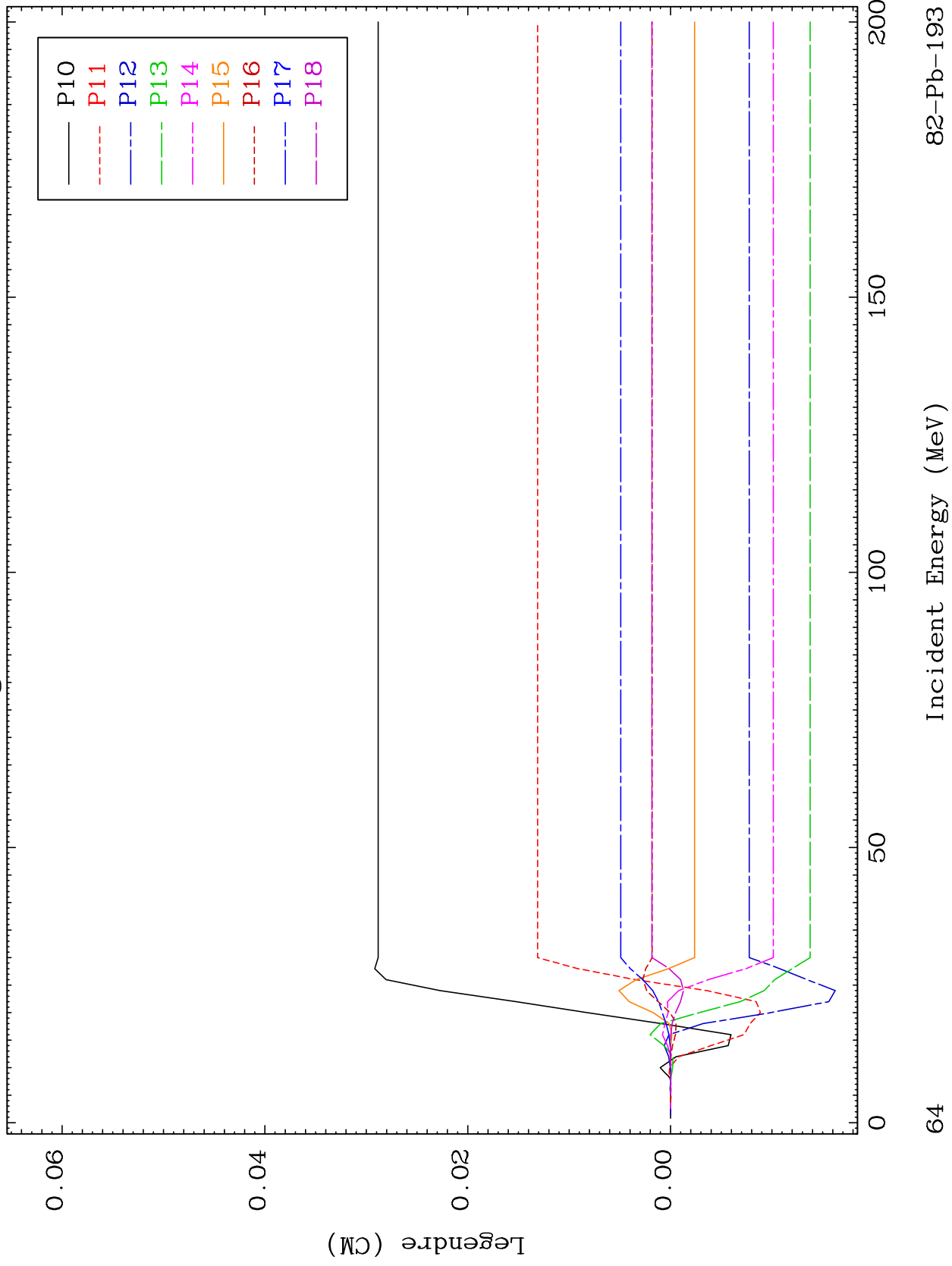
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

82-Pb-193



64

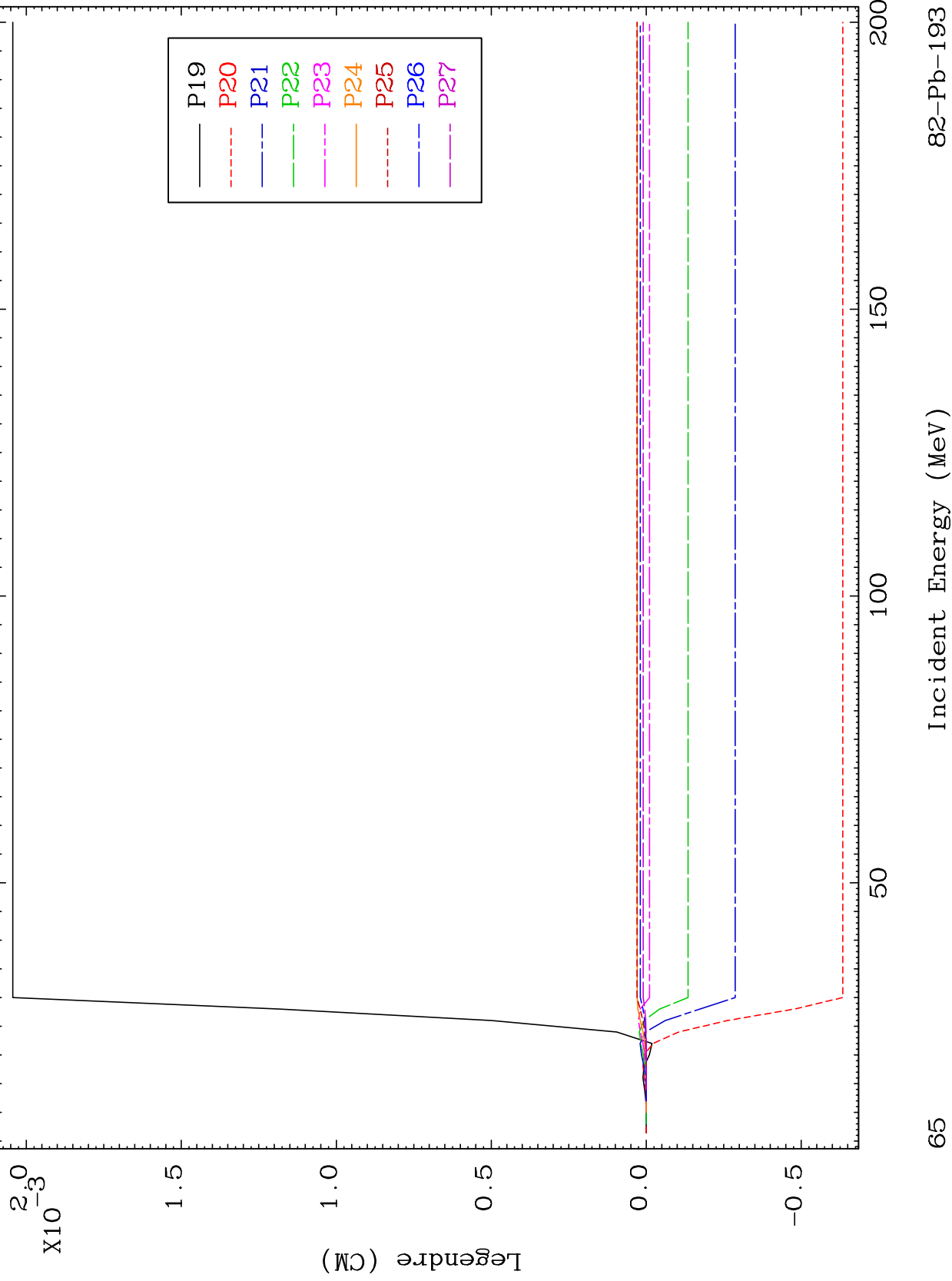
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

82-Pb-193



65

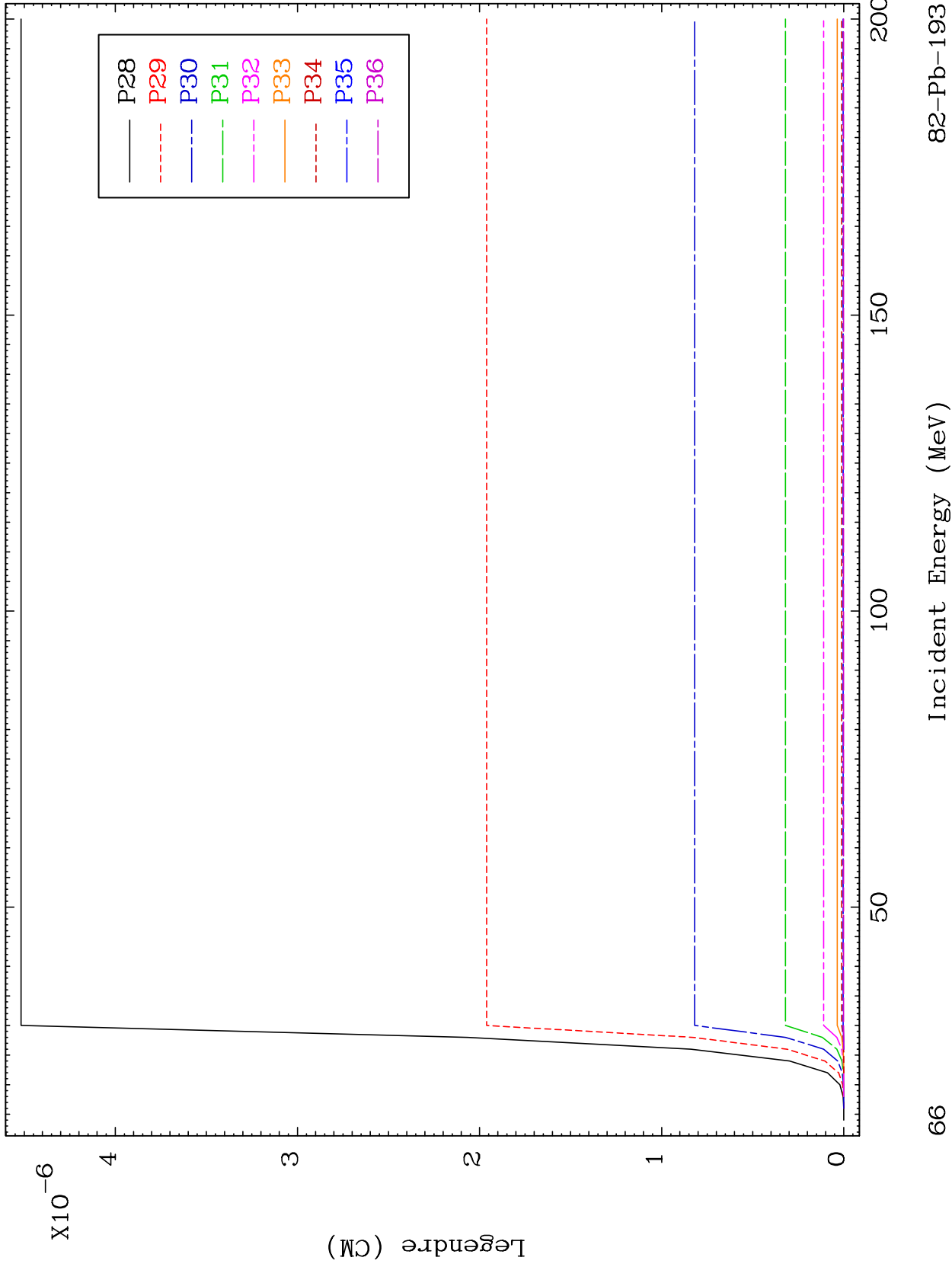
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

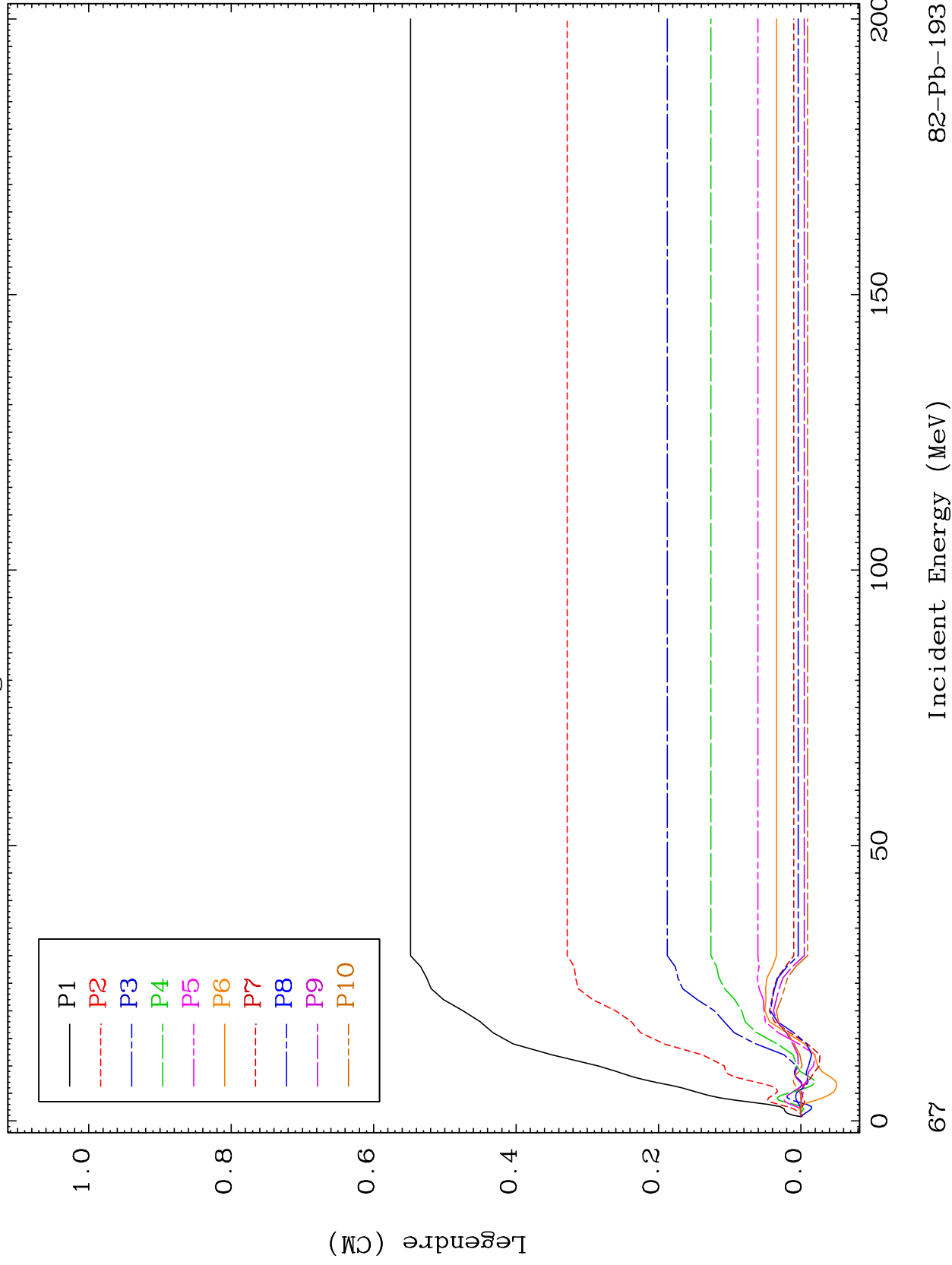
82-Pb-193



MAT 8192

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

82-Pb-193



82-Pb-193

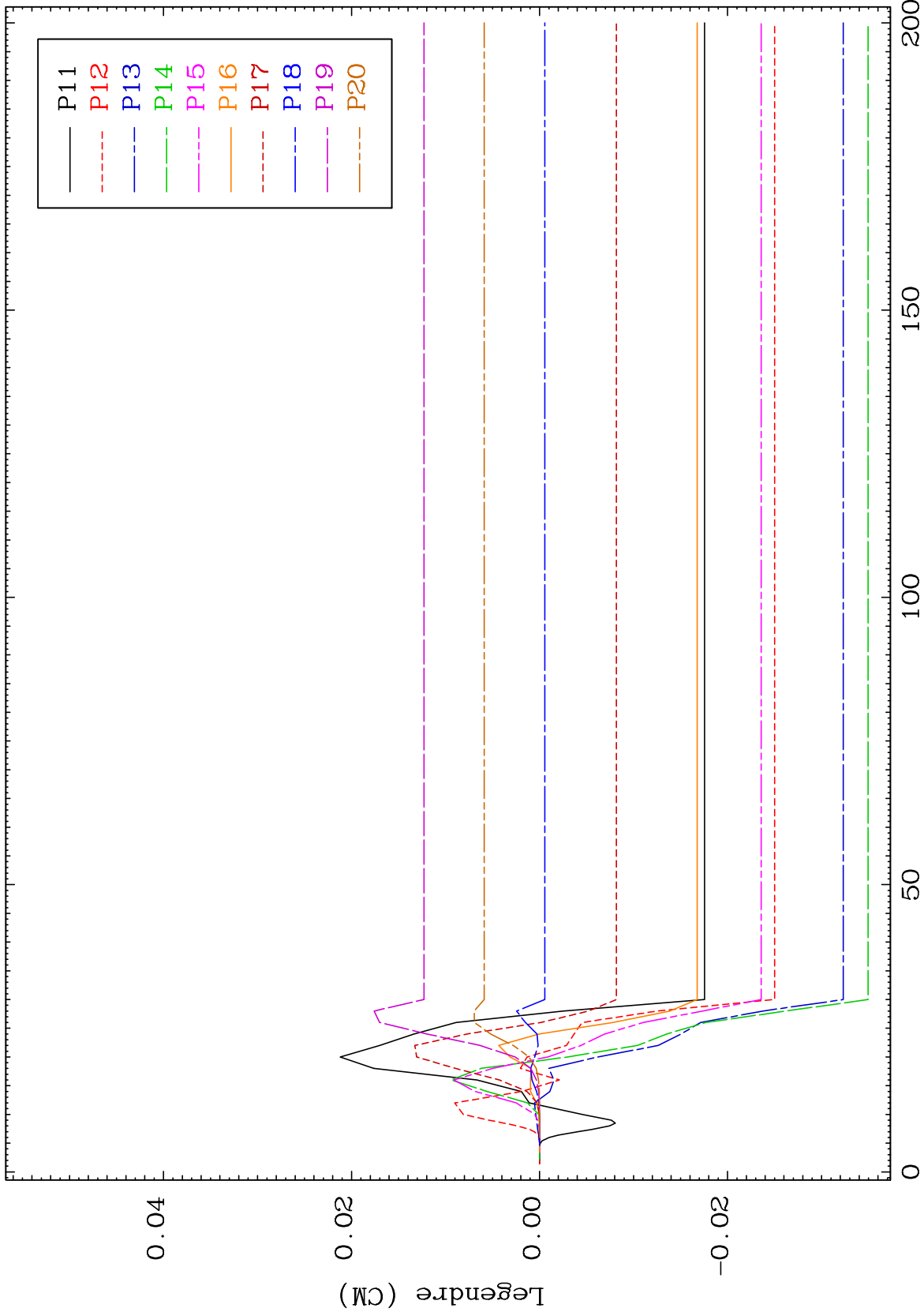
Incident Energy (MeV)

67

MAT 8192

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

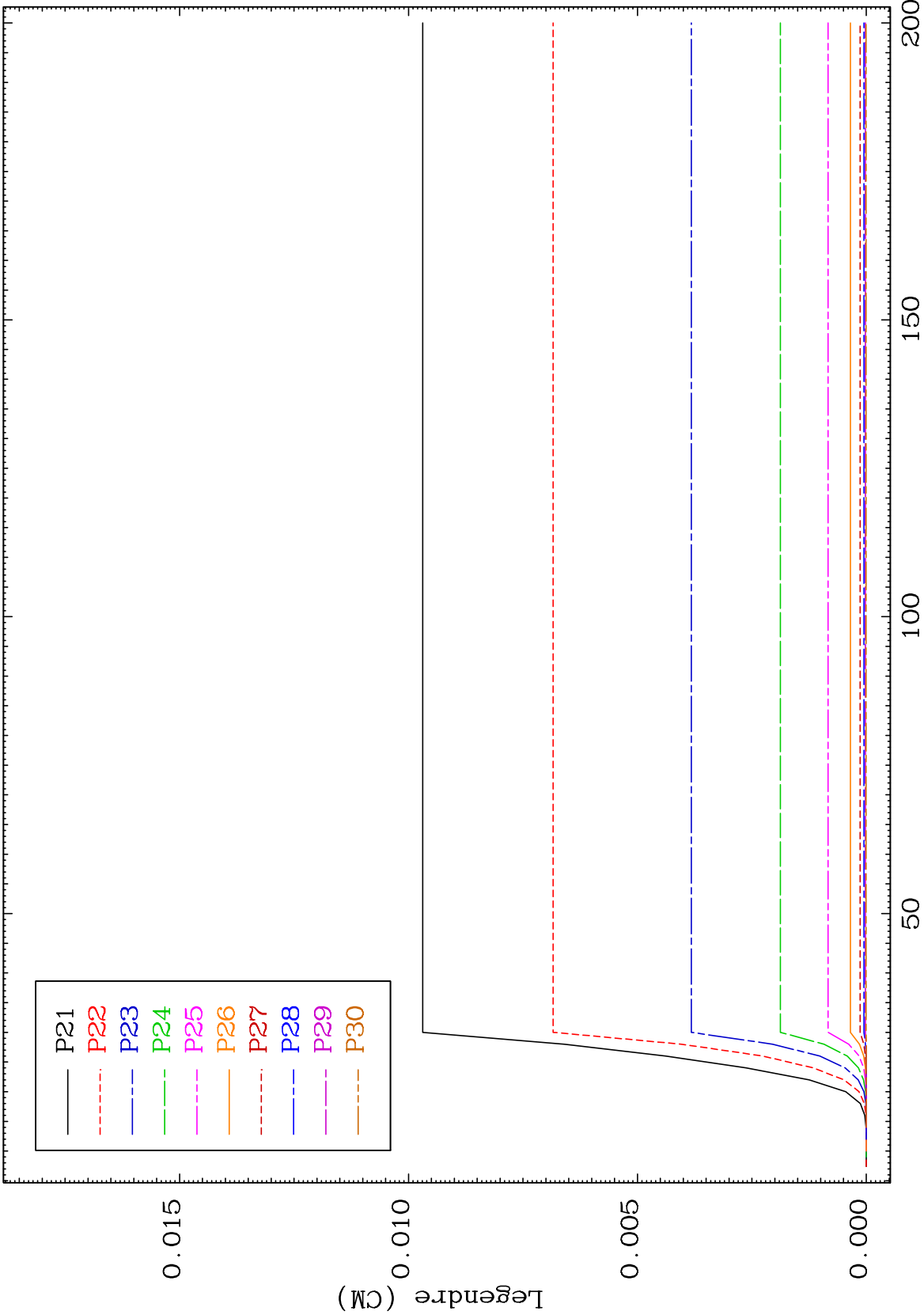
82-Pb-193



68

Incident Energy (MeV)

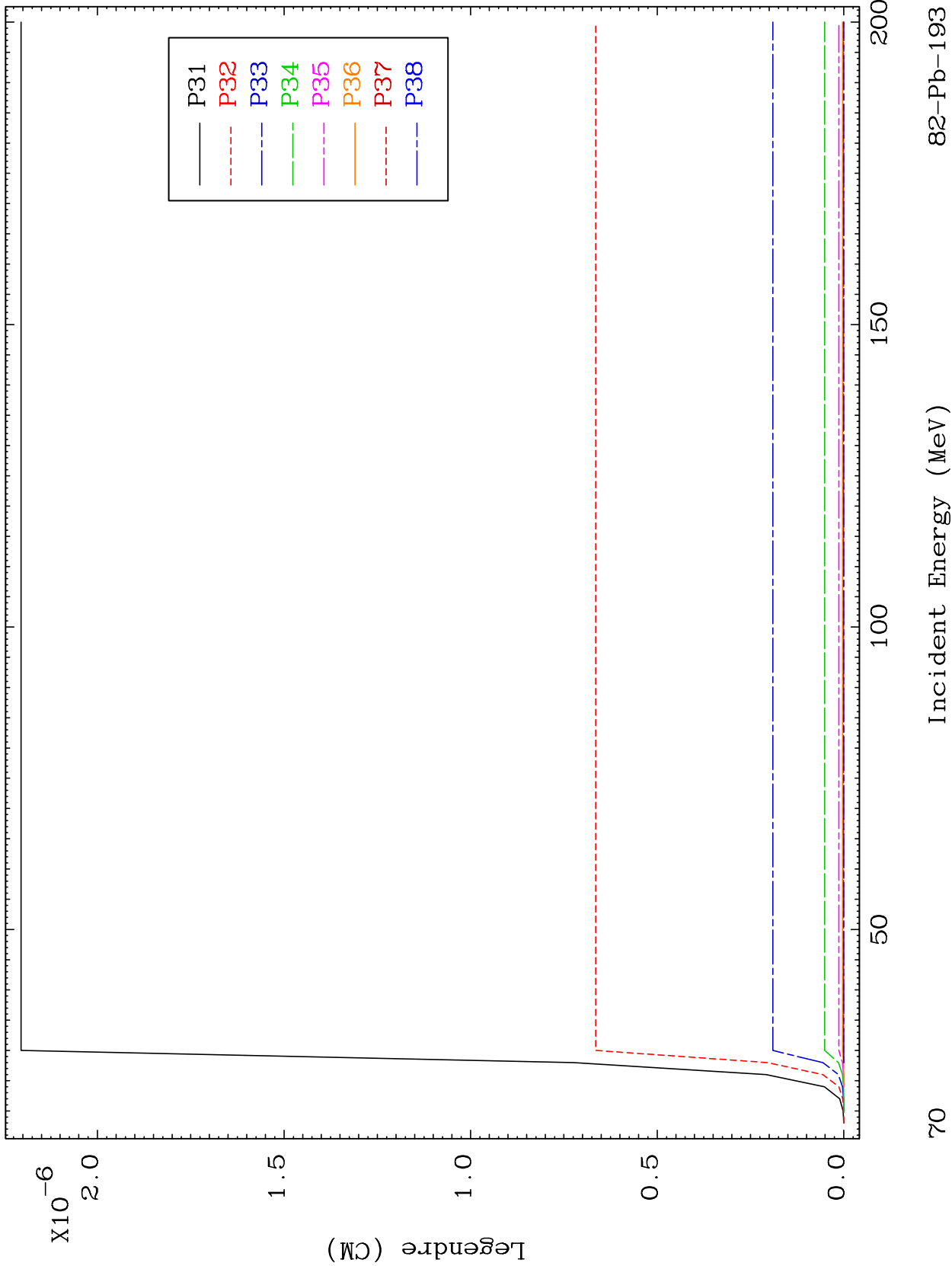
82-Pb-193



MAT 8192

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

82-Pb-193



70

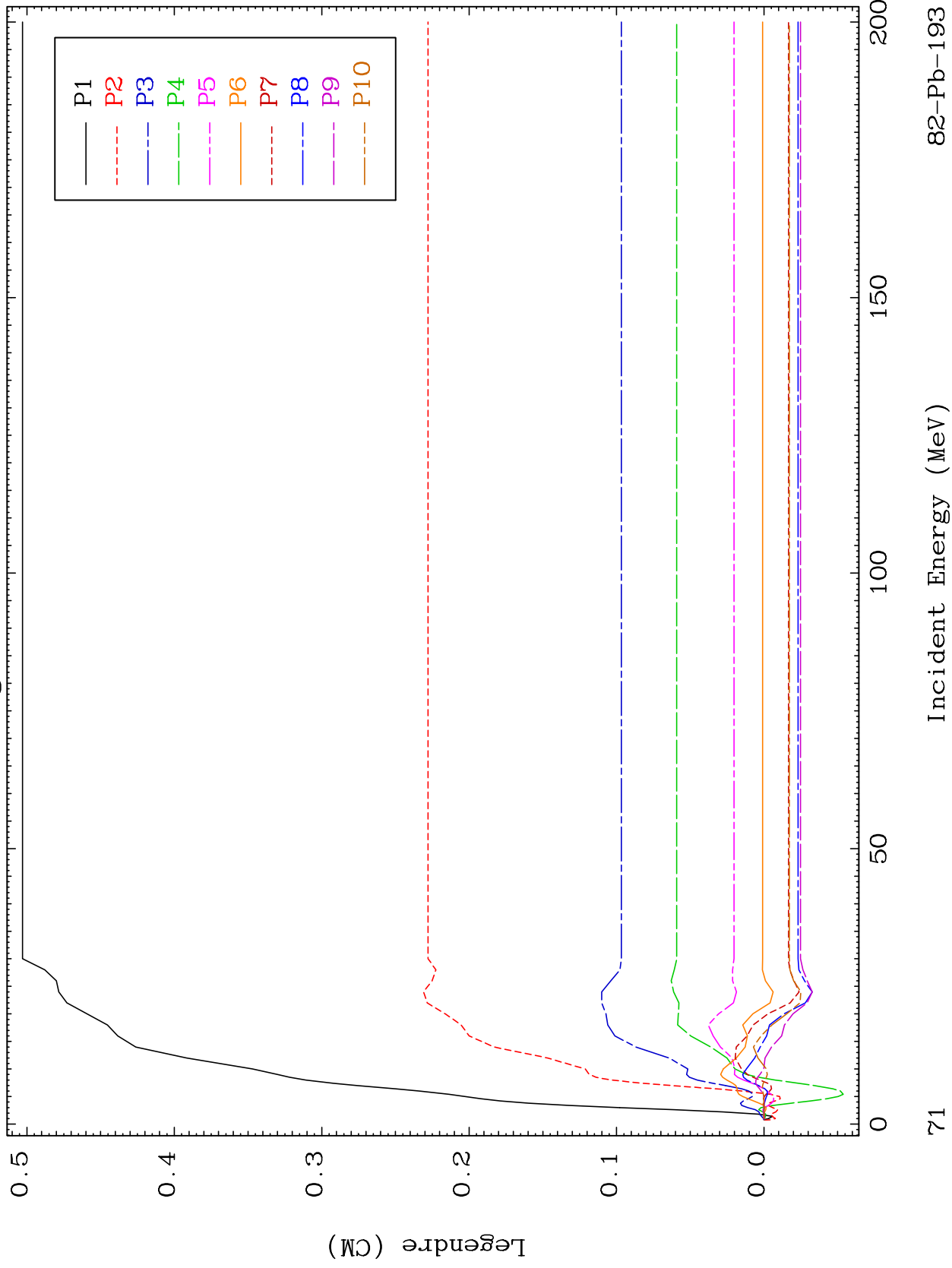
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

82-Pb-193



71

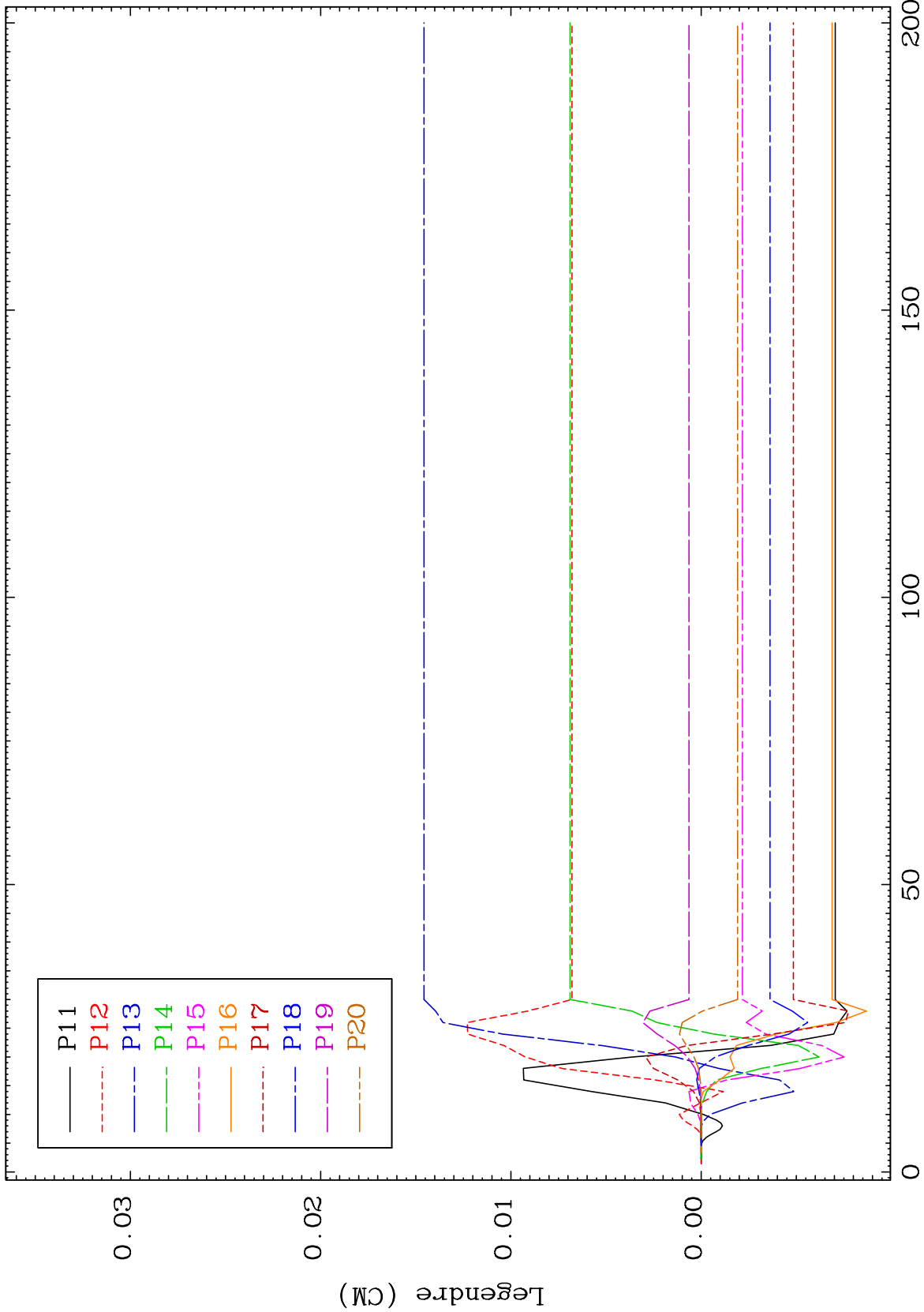
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

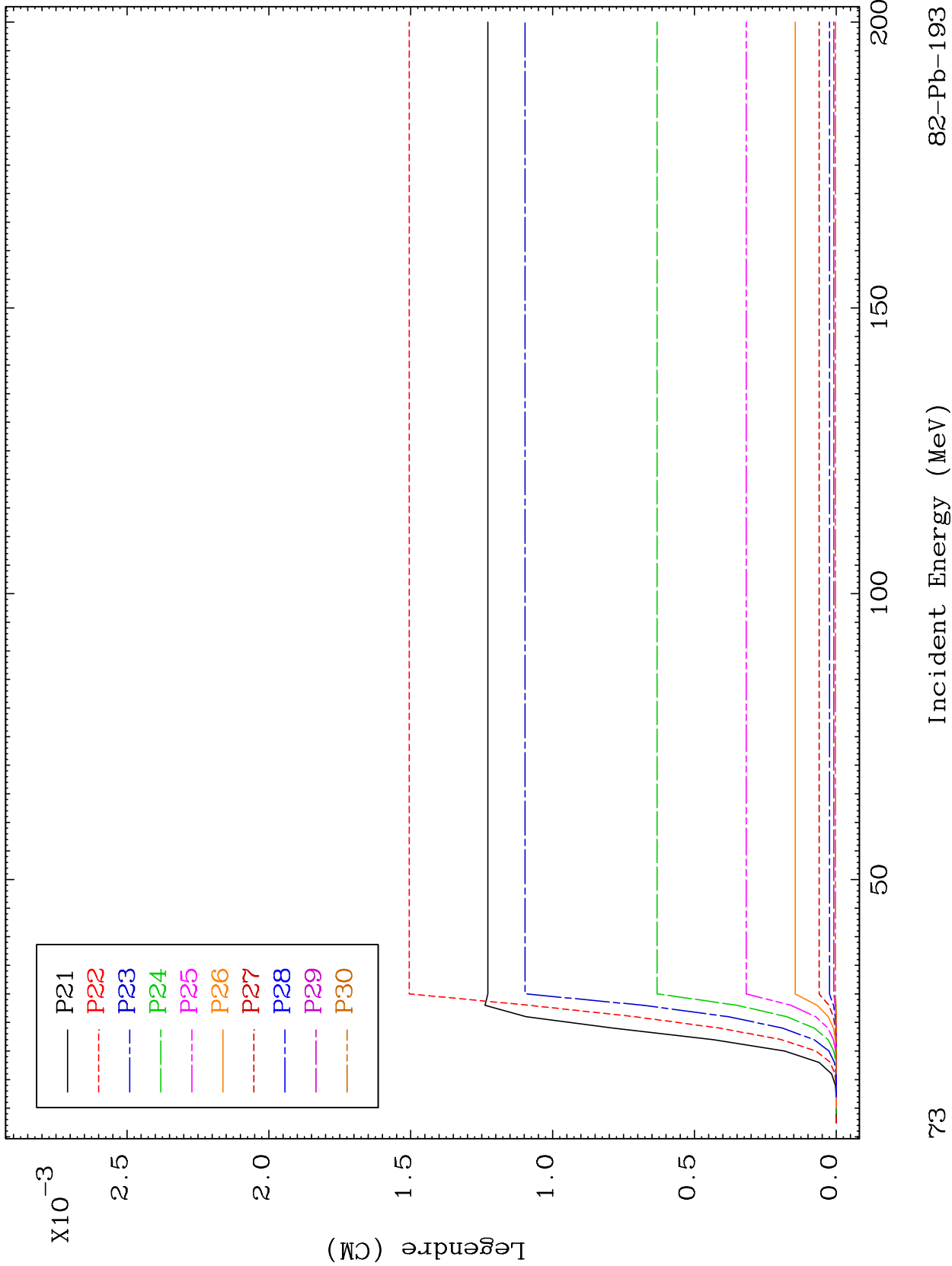
82-Pb-193



72

Incident Energy (MeV)

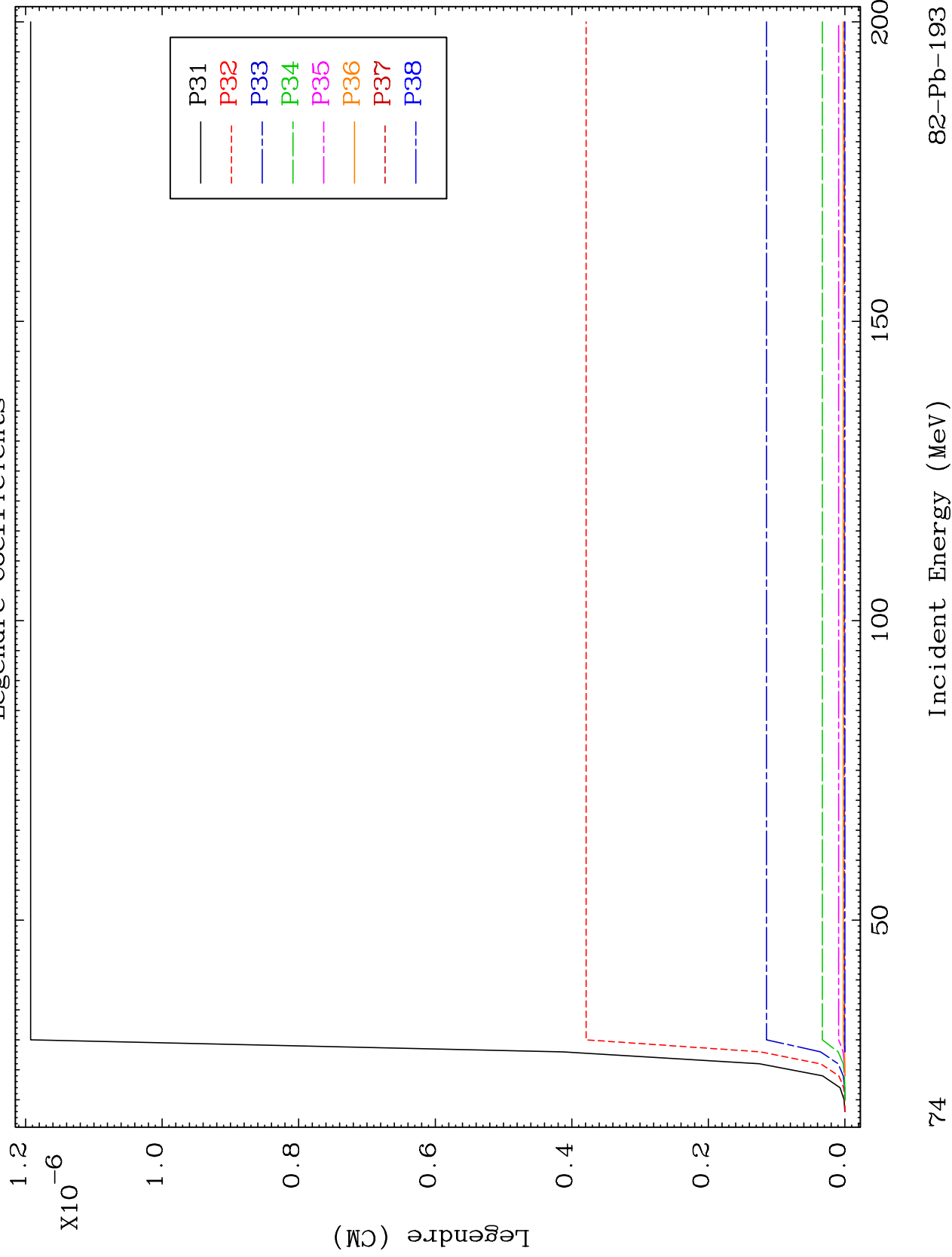
82-Pb-193



MAT 8192

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

82-Pb-193



74

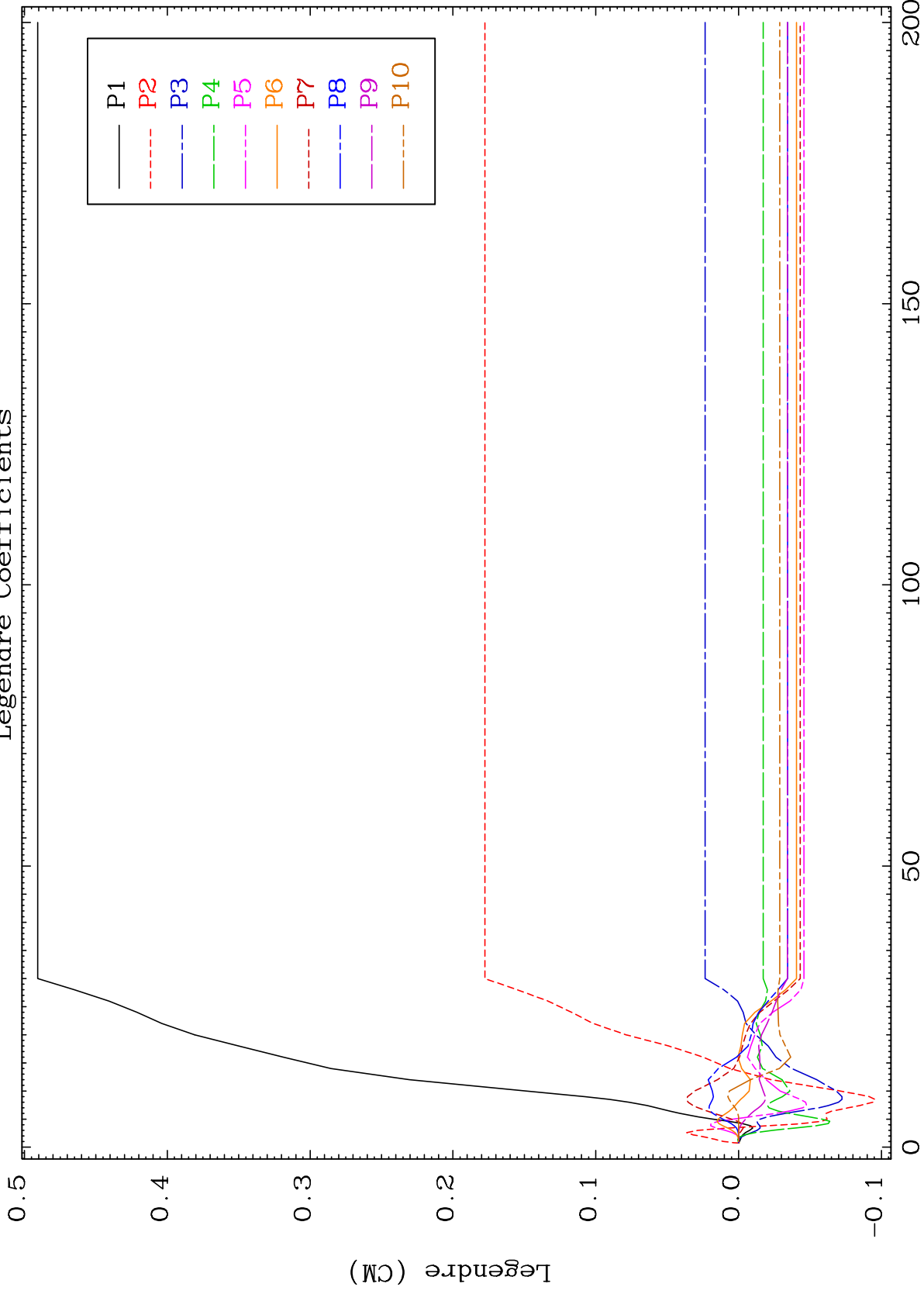
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

82-Pb-193



75

Incident Energy (MeV)

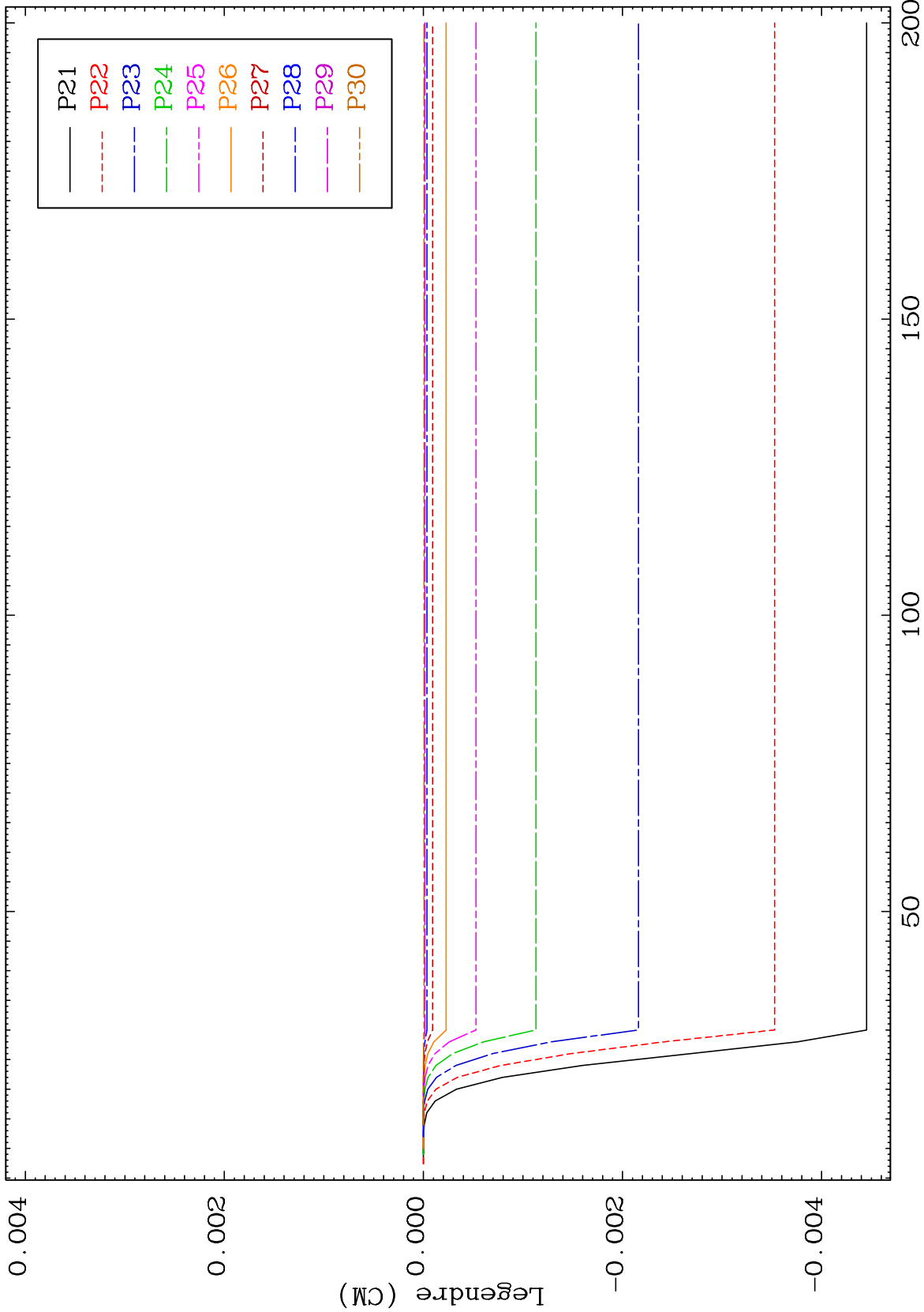
82-Pb-193

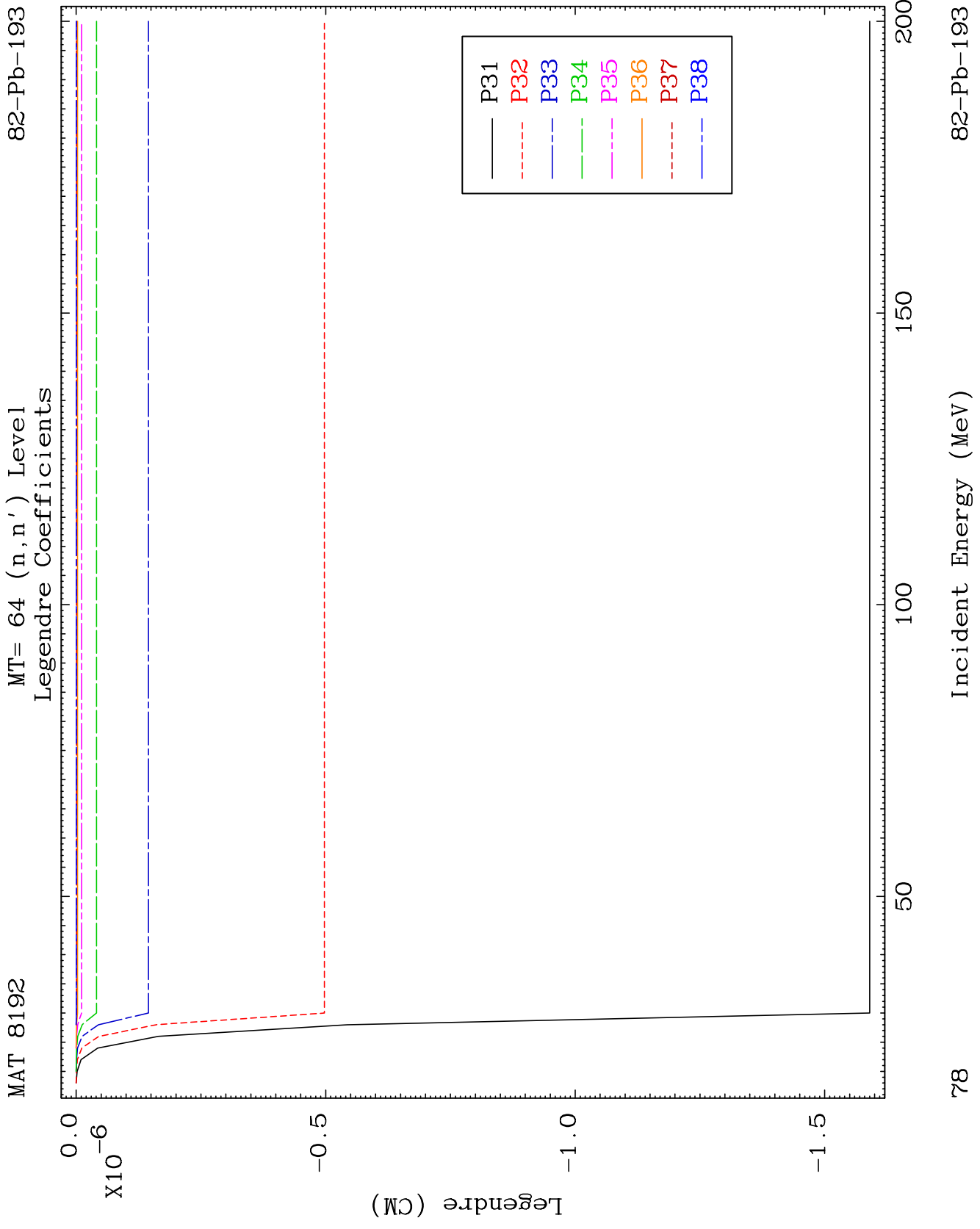


MAT 8192

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

82-Pb-193

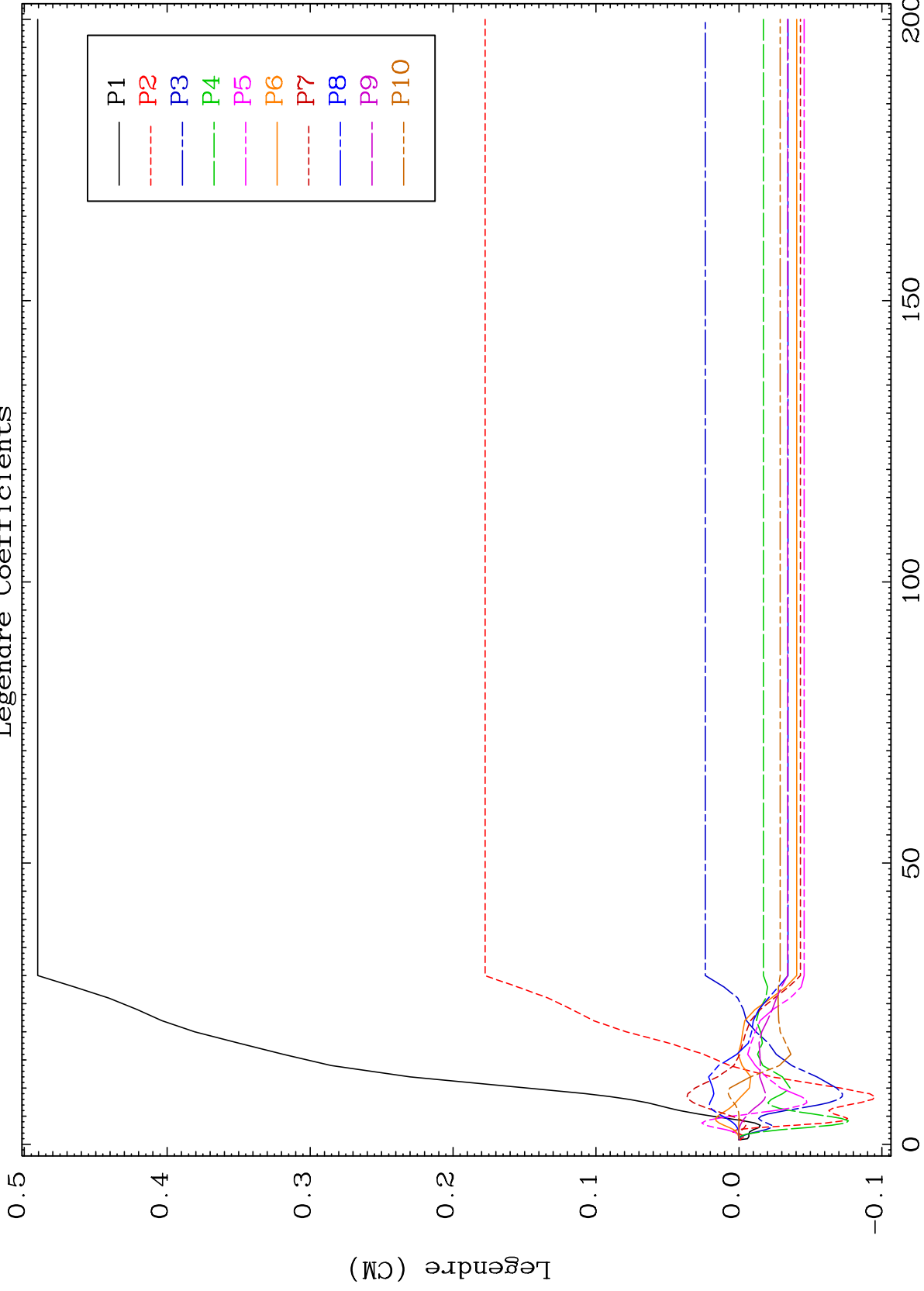




MAT 8192

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

82-Pb-193



79

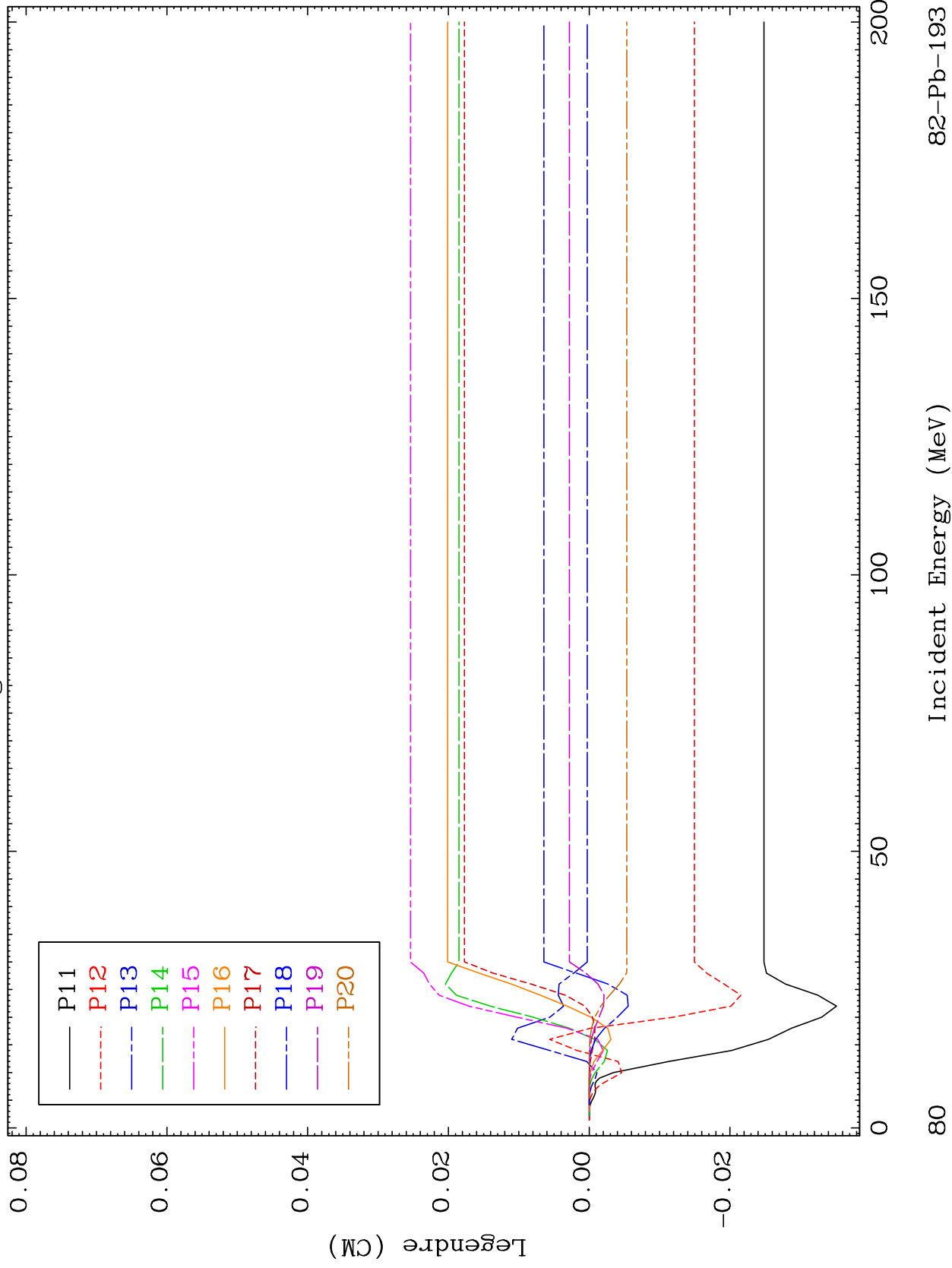
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

82-Pb-193



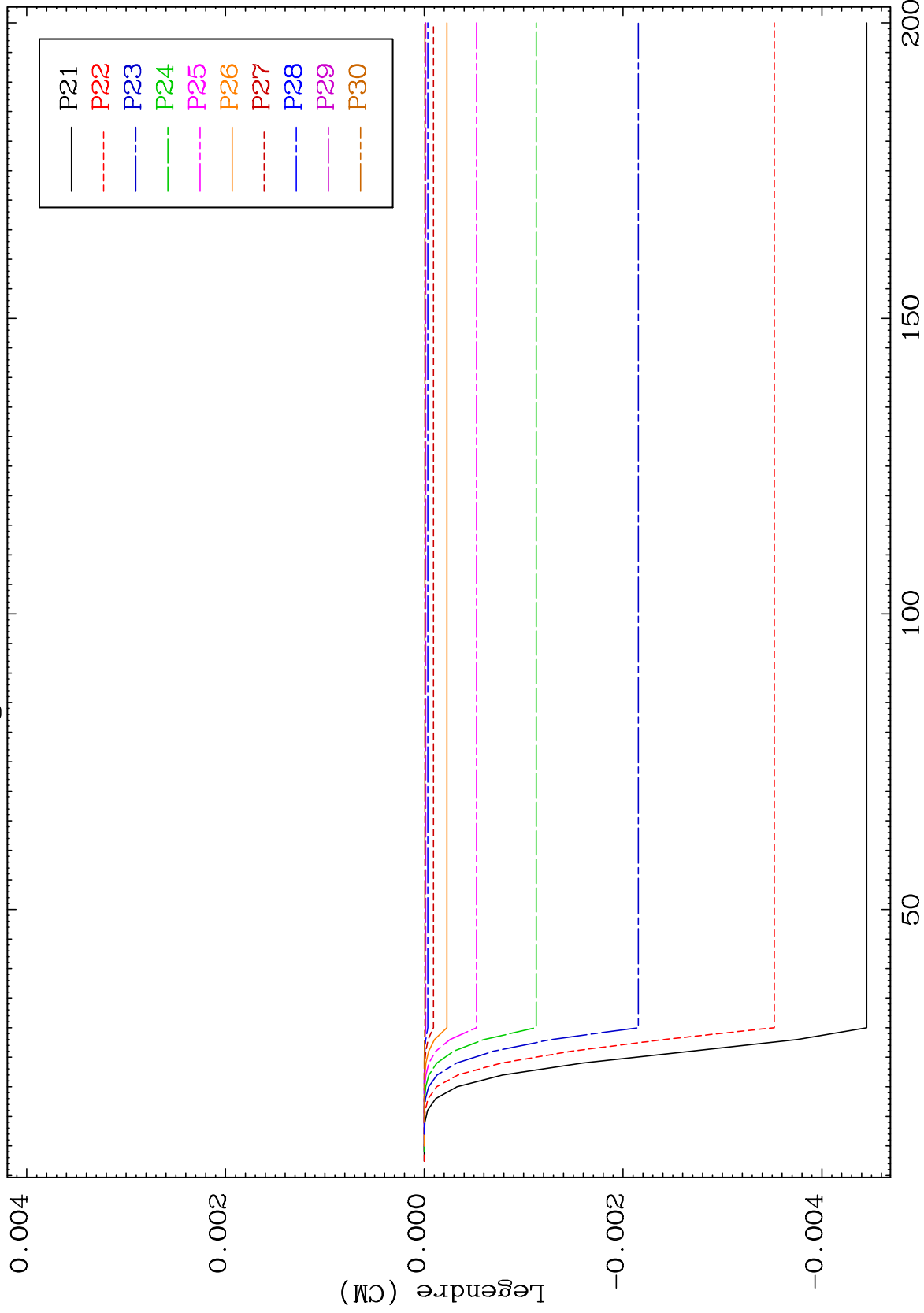
82-Pb-193

Incident Energy (MeV)

MAT 8192

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

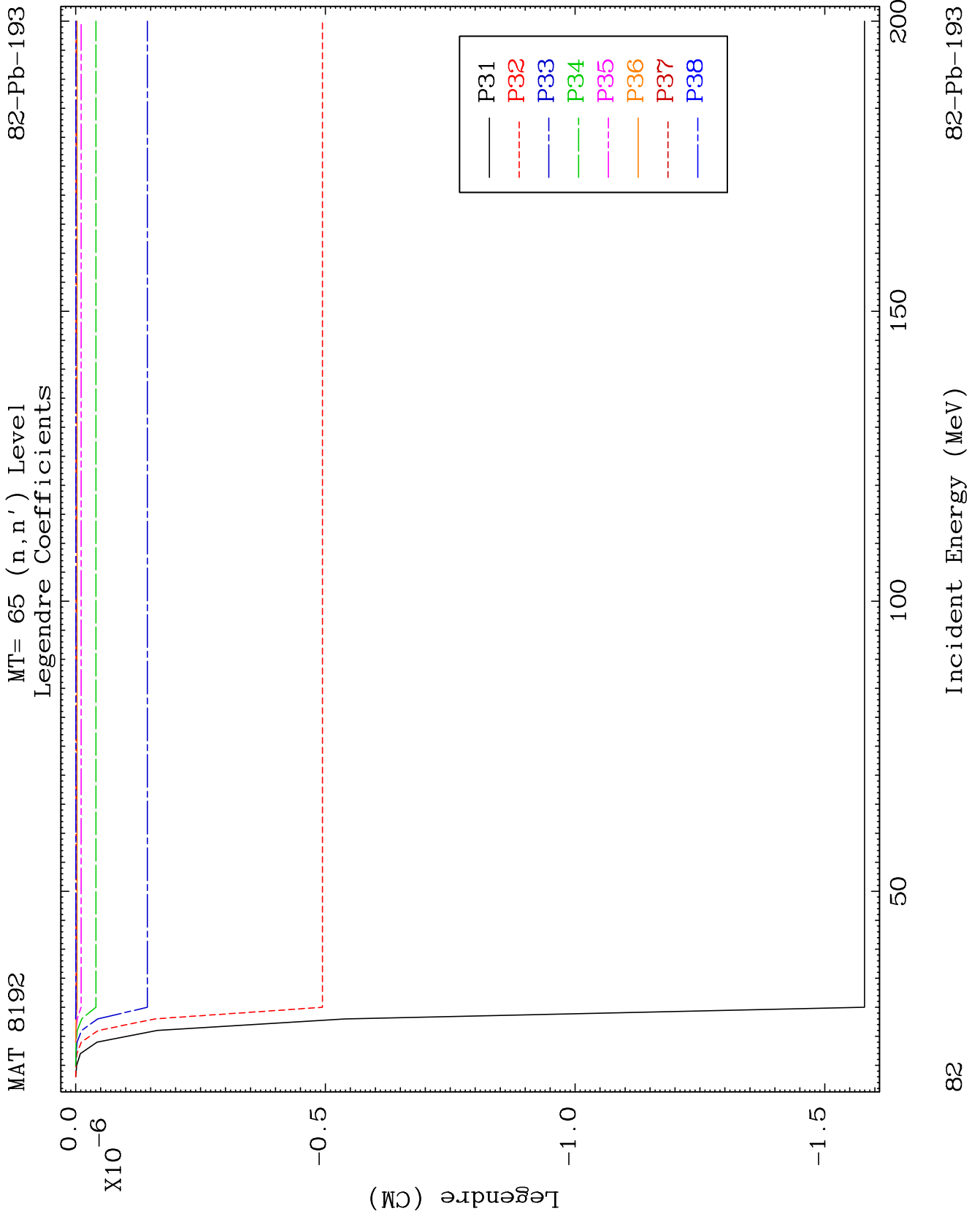
82-Pb-193

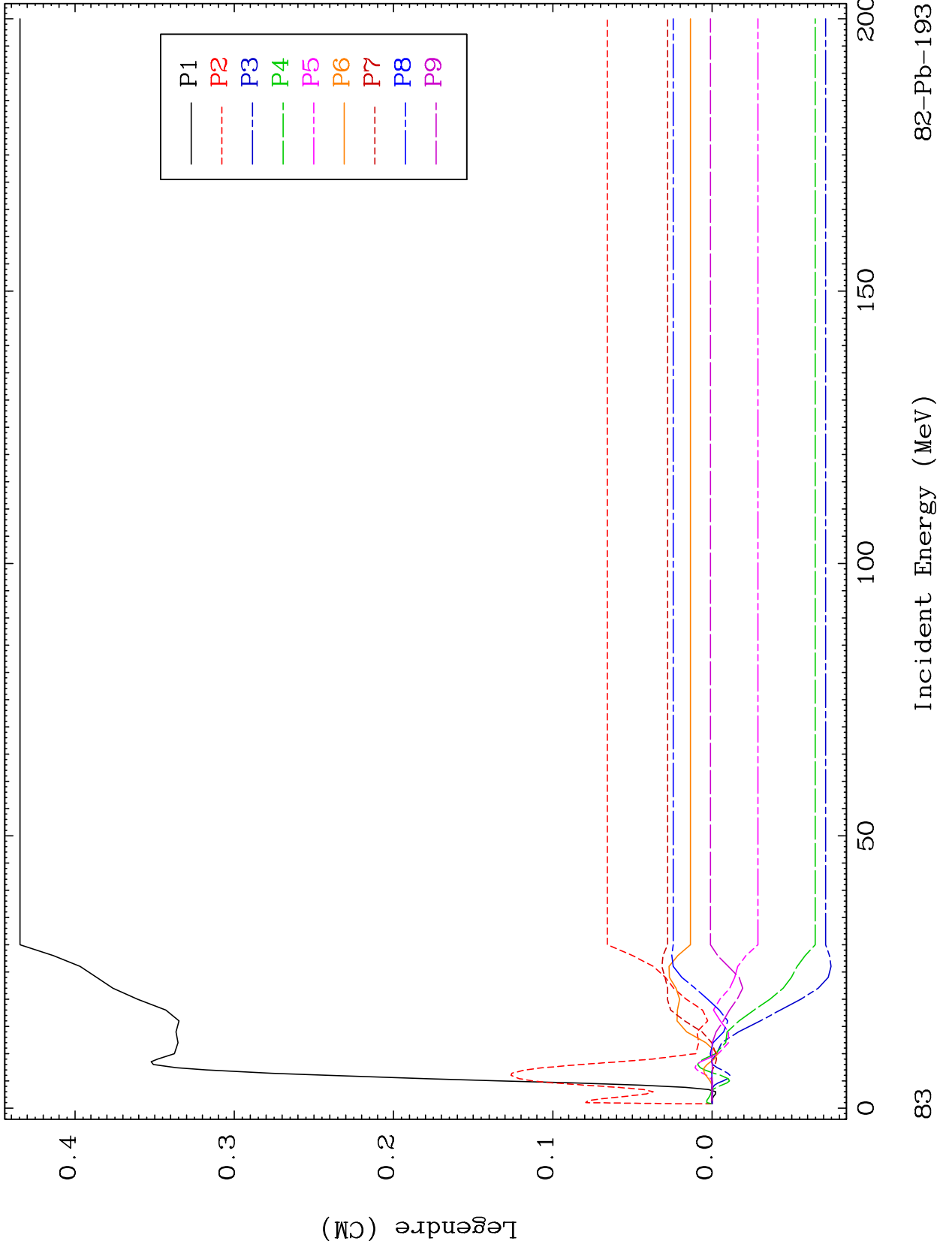


81

Incident Energy (MeV)

82-Pb-193

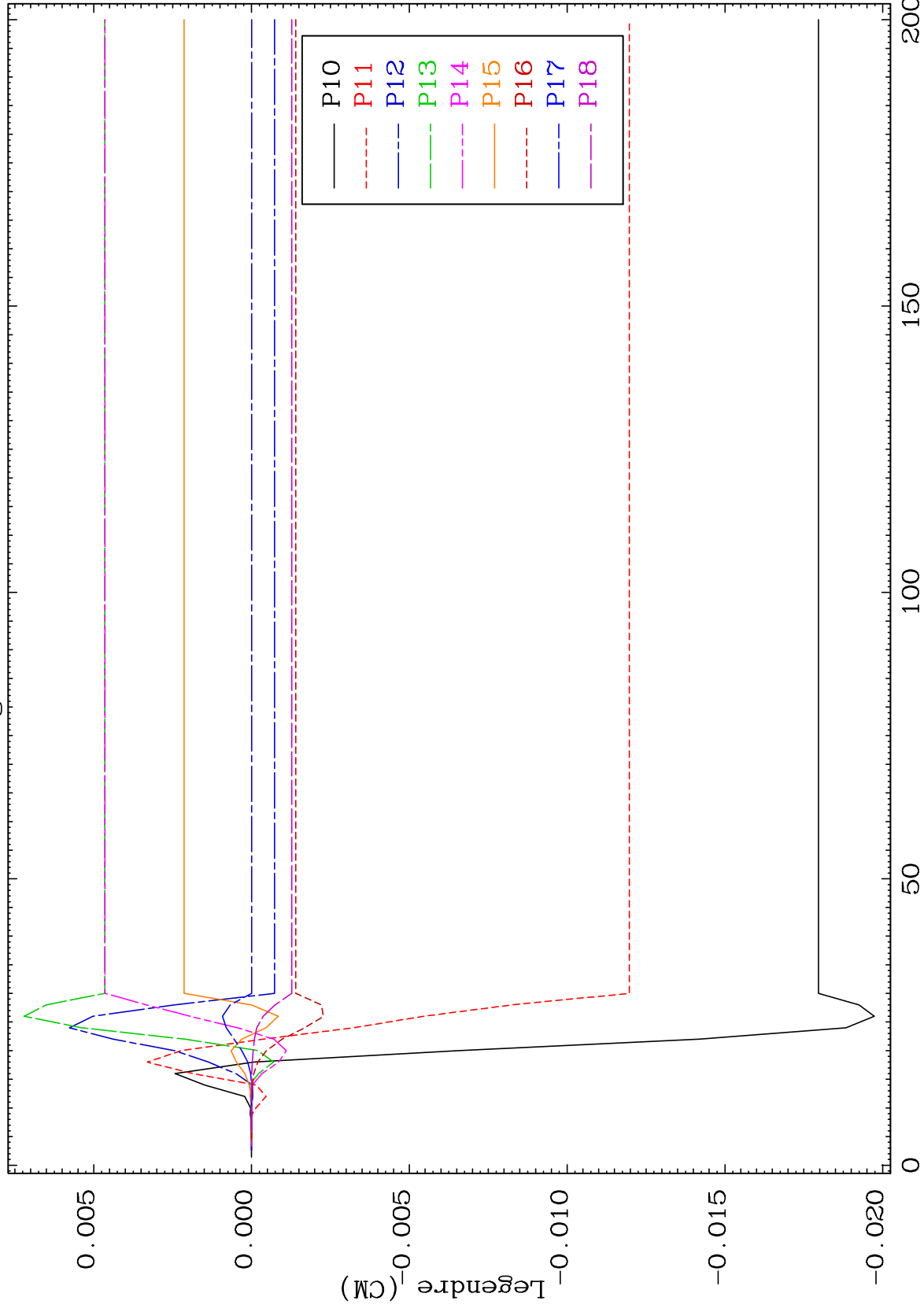




MAT 8192

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

82-Pb-193



84

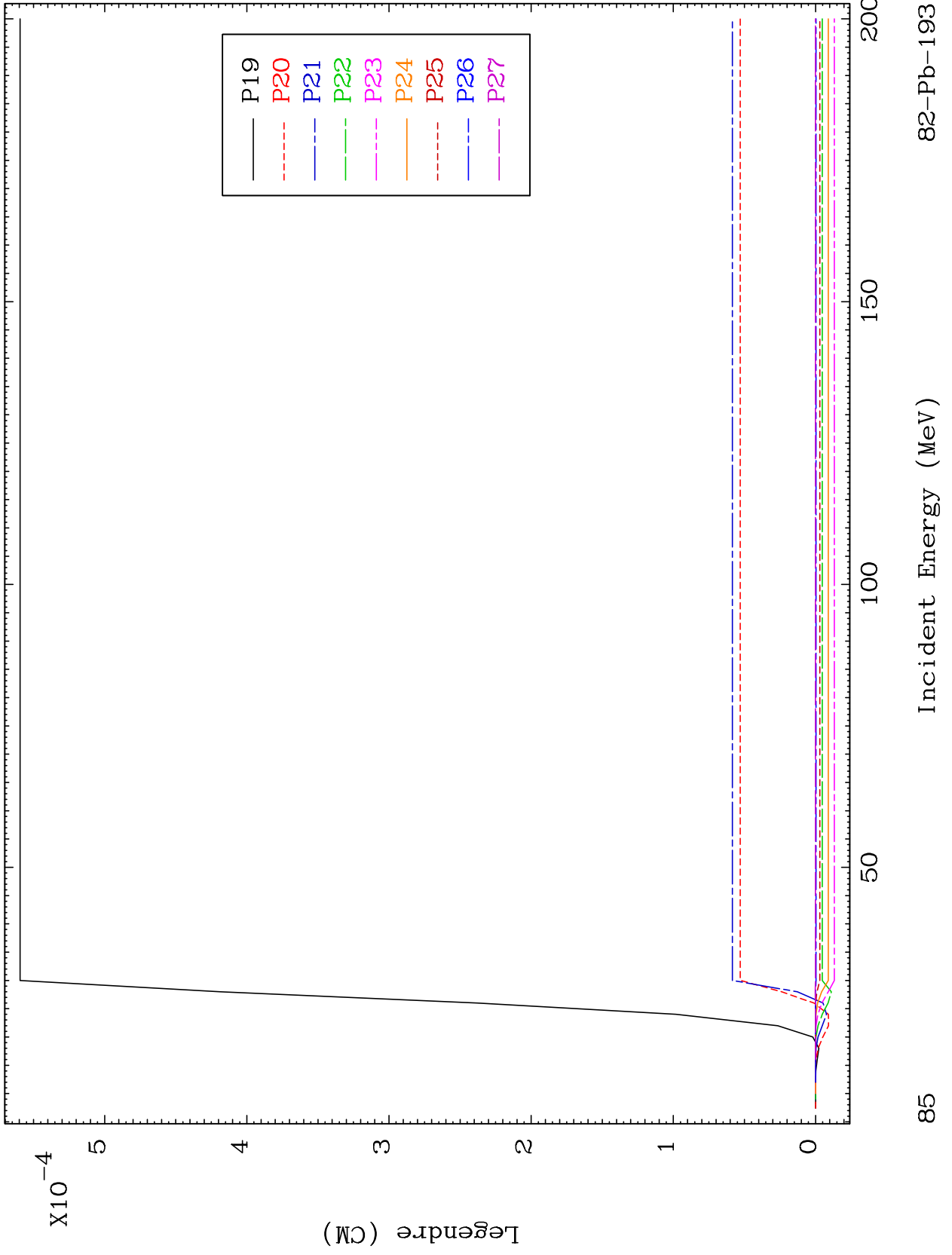
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

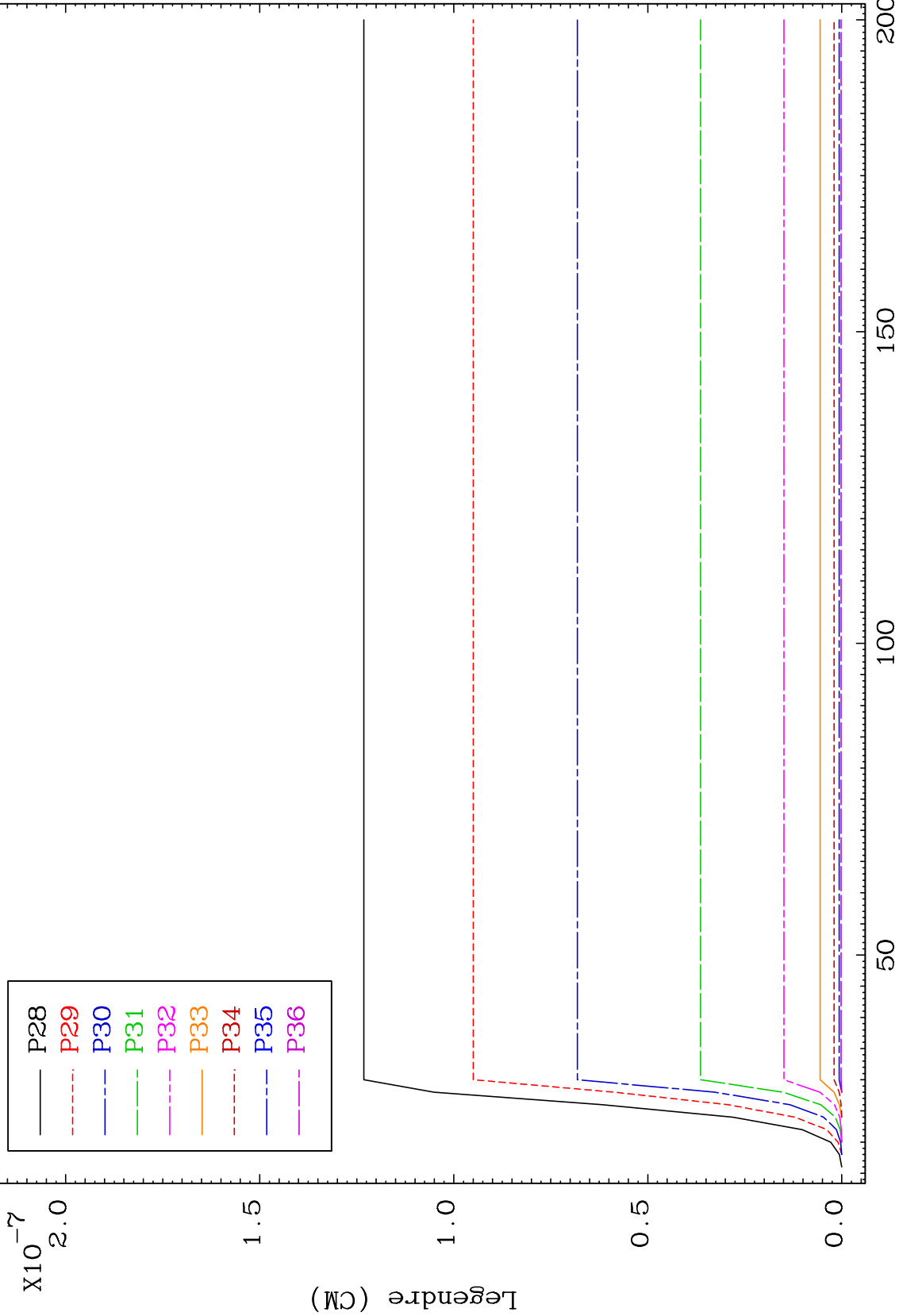
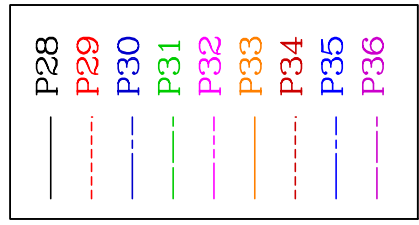
82-Pb-193



MAT 8192

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

82-Pb-193



86

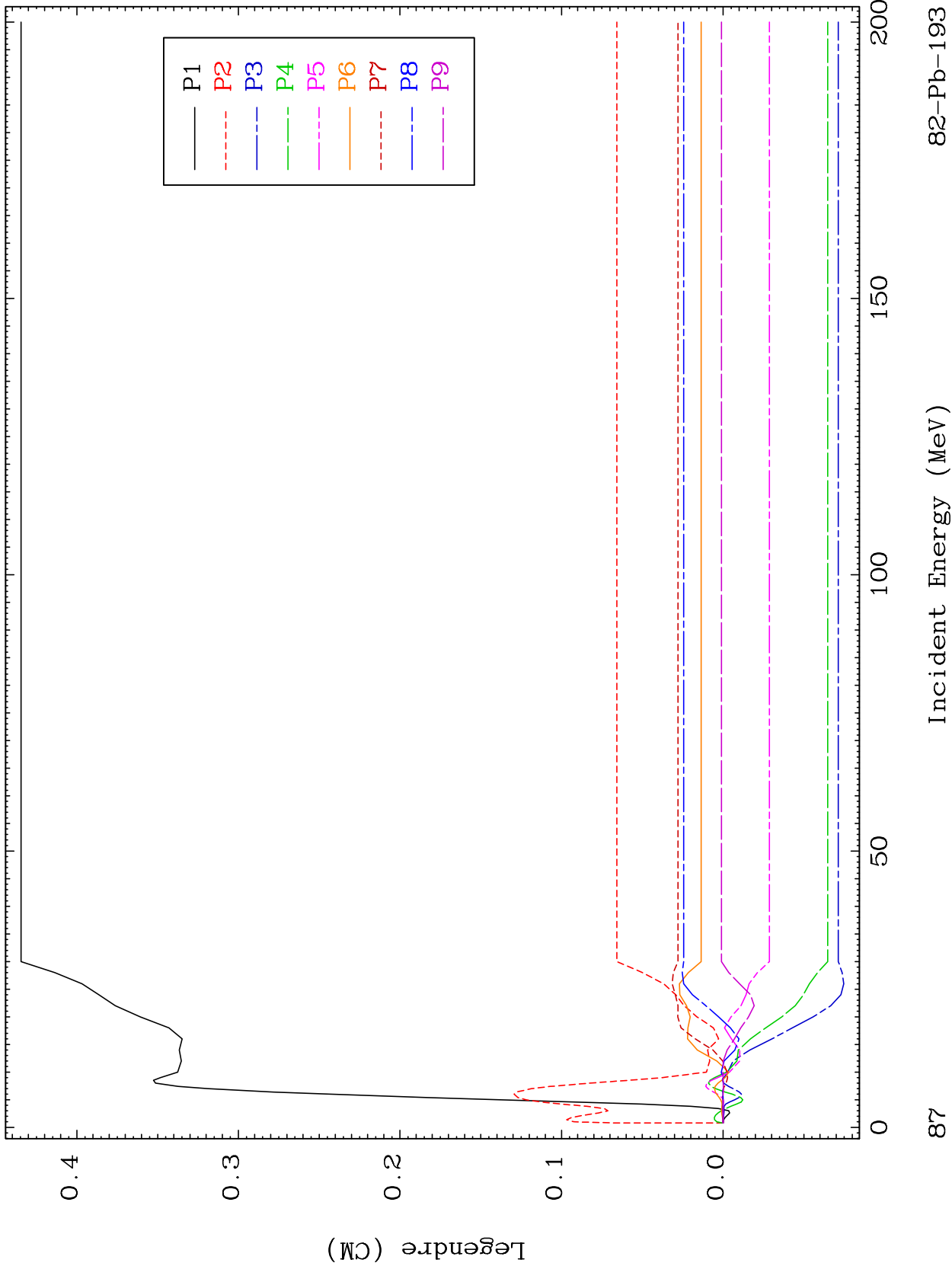
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

82-Pb-193



82-Pb-193

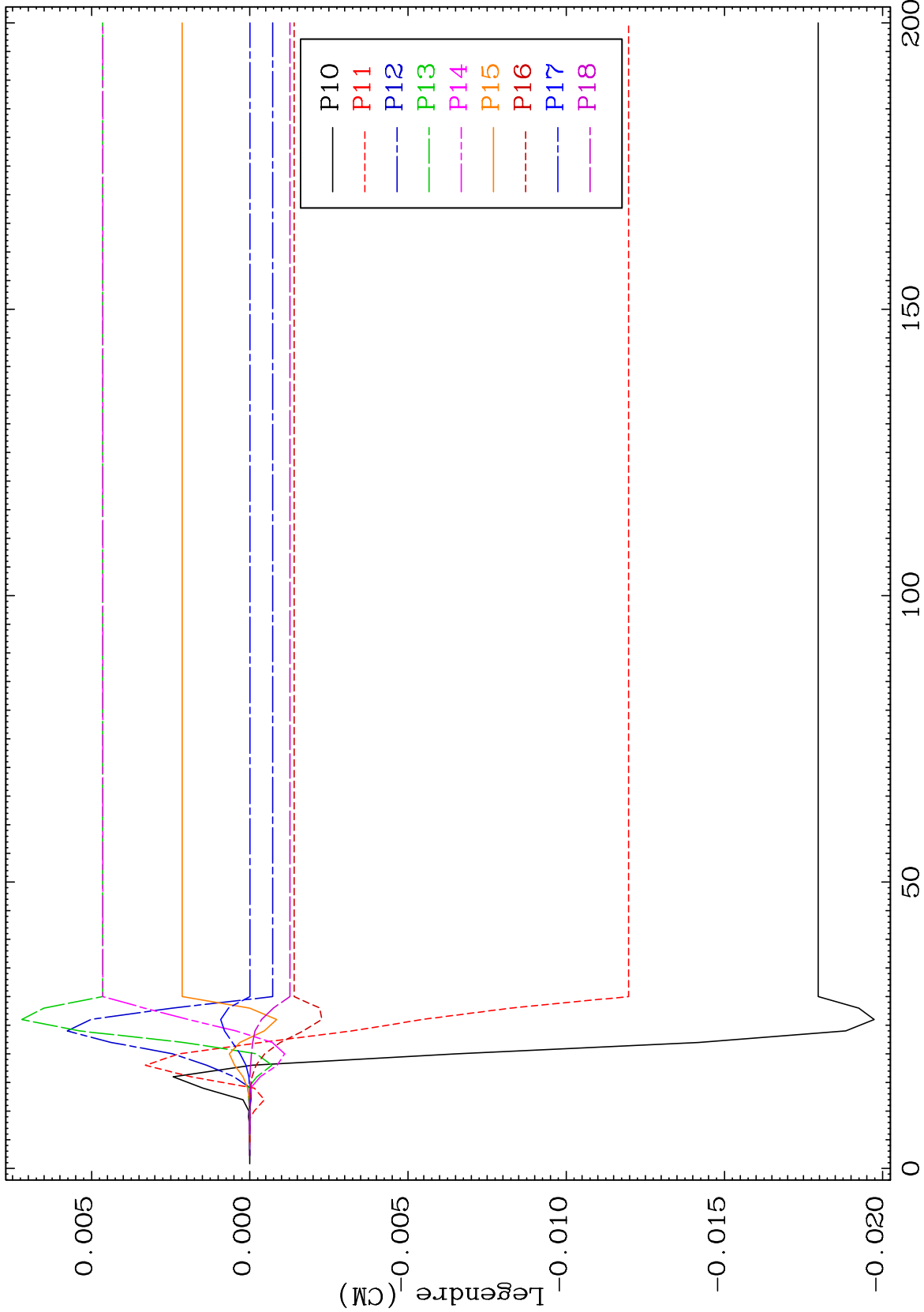
Incident Energy (MeV)

87

MAT 8192

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

82-Pb-193



88

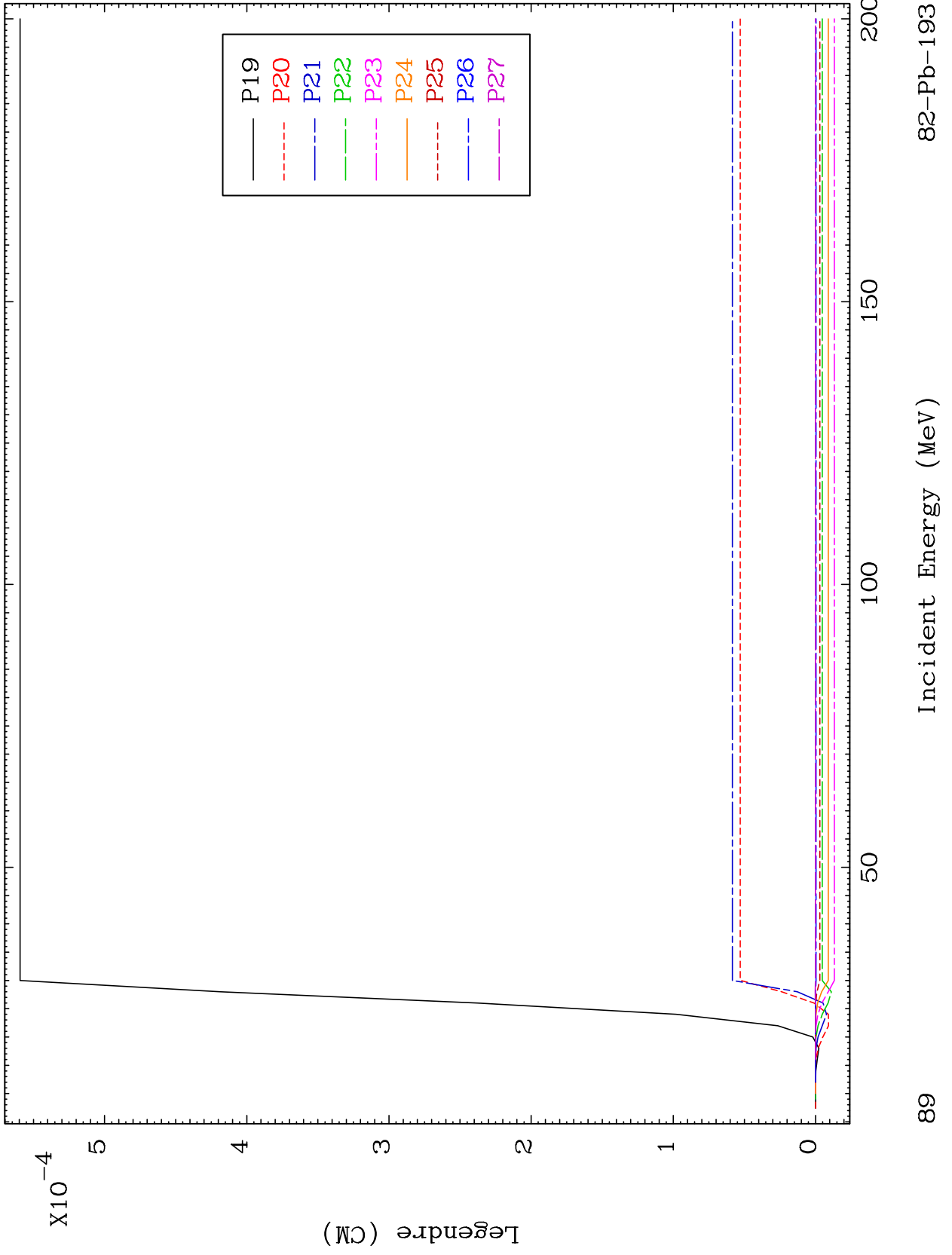
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

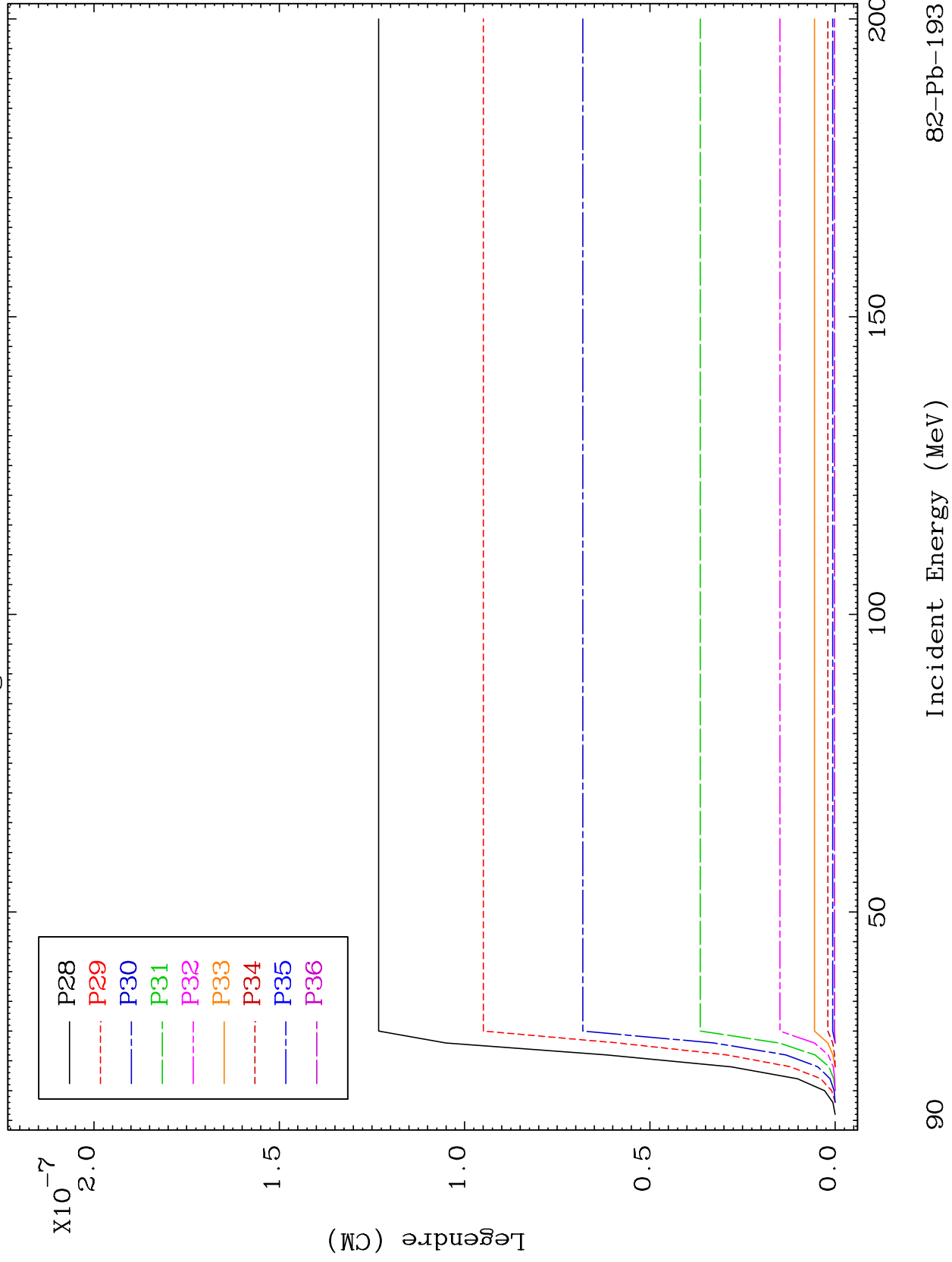
82-Pb-193



MAT 8192

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

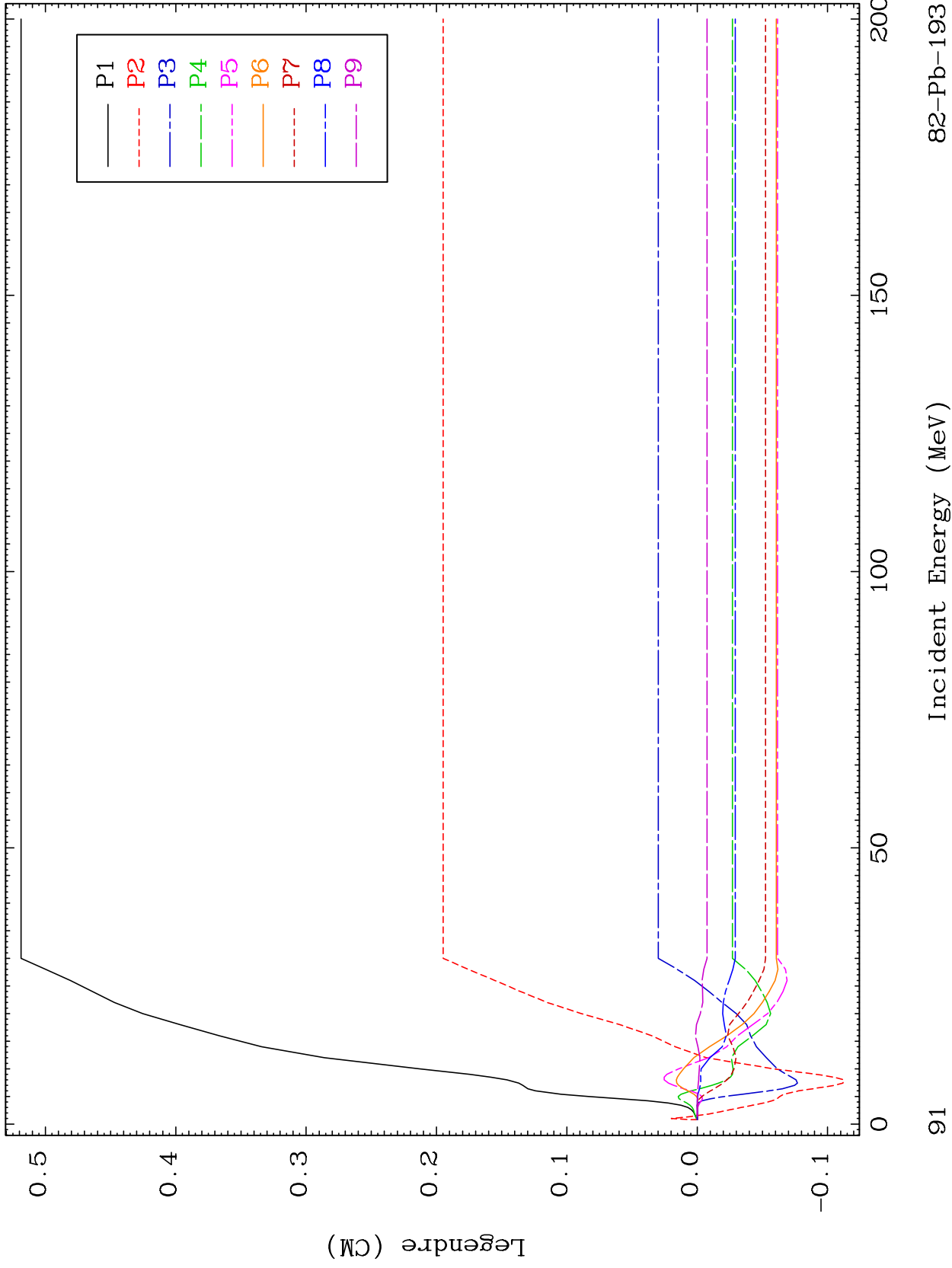
82-Pb-193



MAT 8192

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

82-Pb-193



91

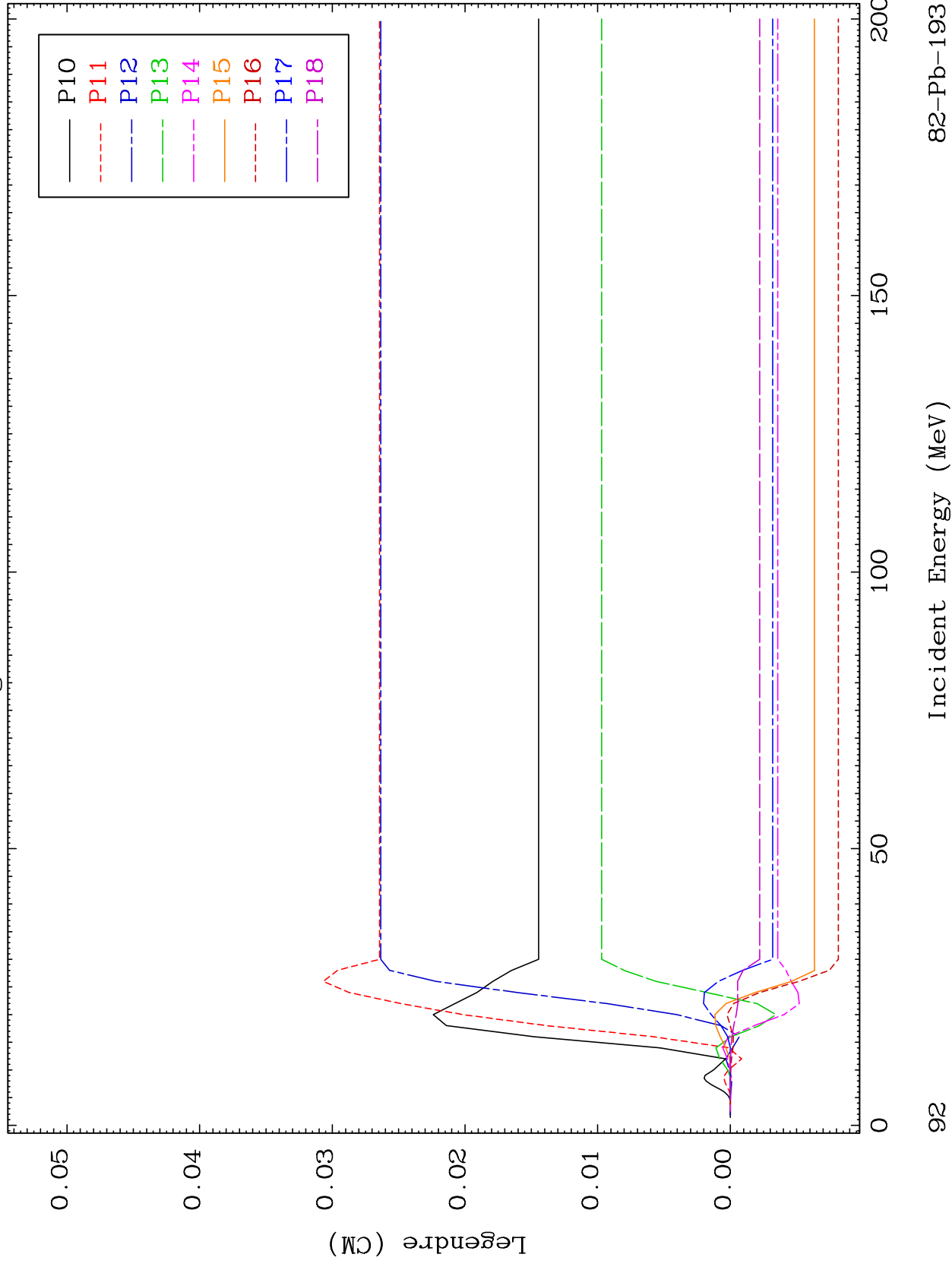
Incident Energy (MeV)

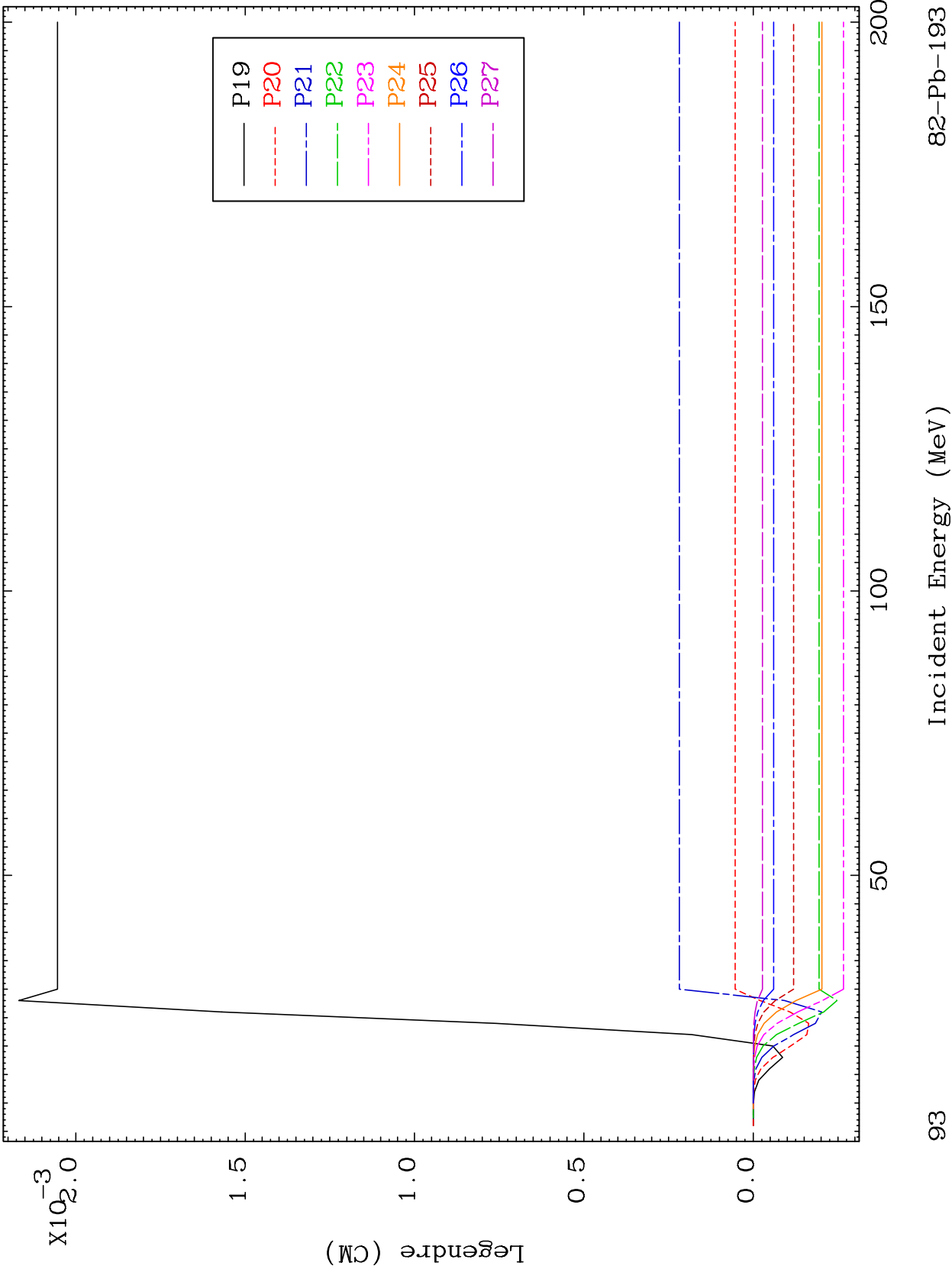
82-Pb-193

MAT 8192

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

82-Pb-193

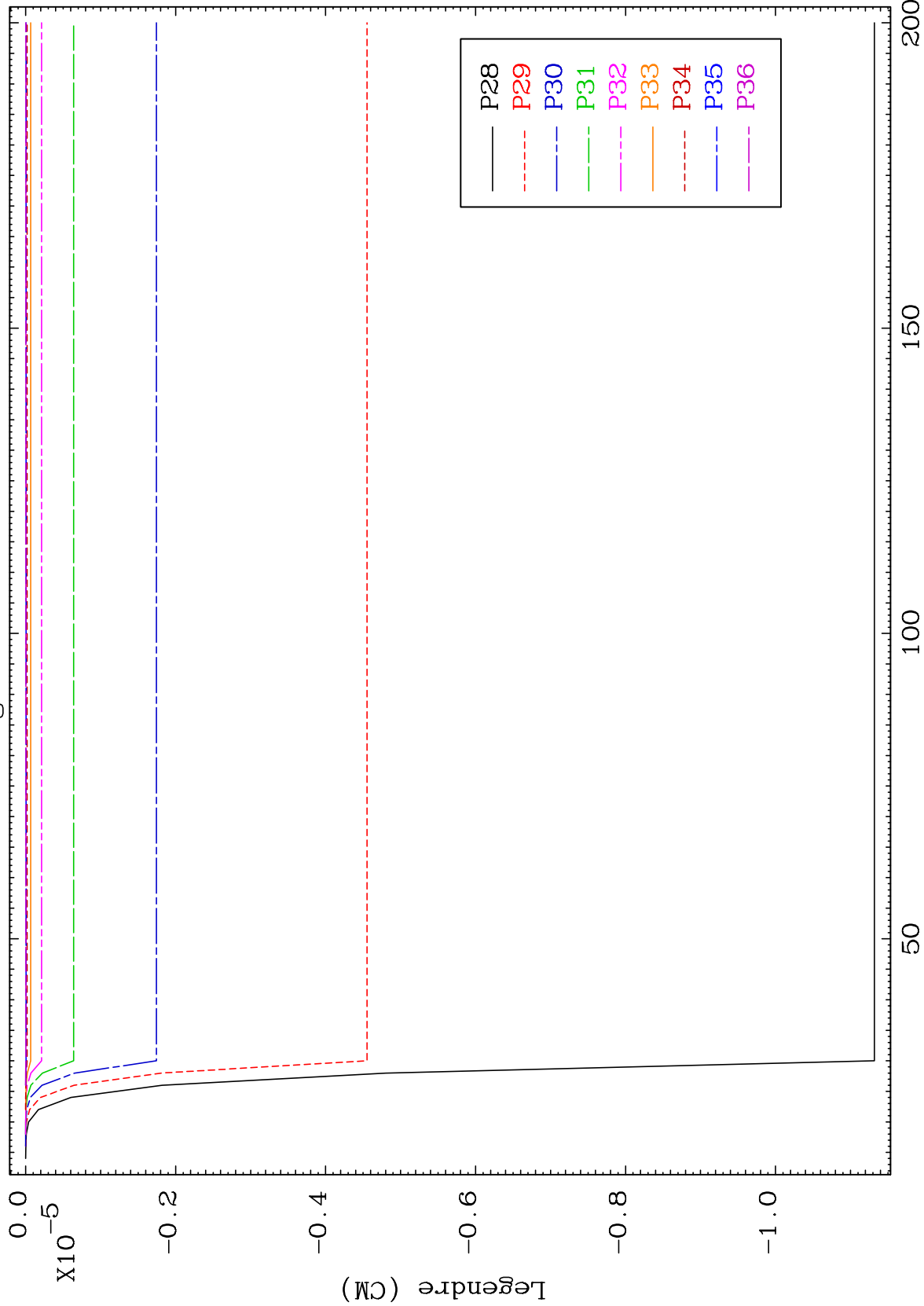




MAT 8192

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

82-Pb-193



94

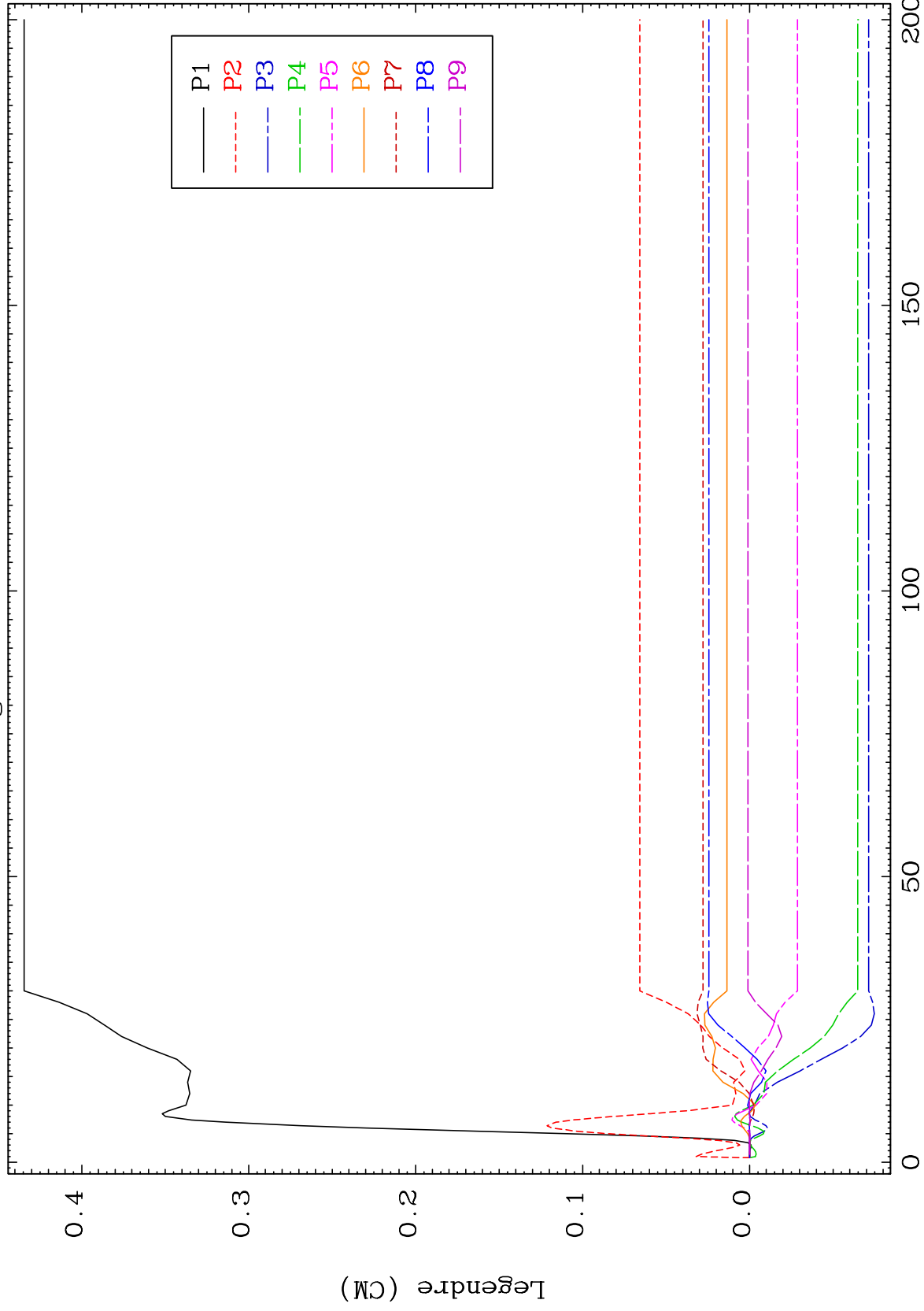
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

82-Pb-193



95

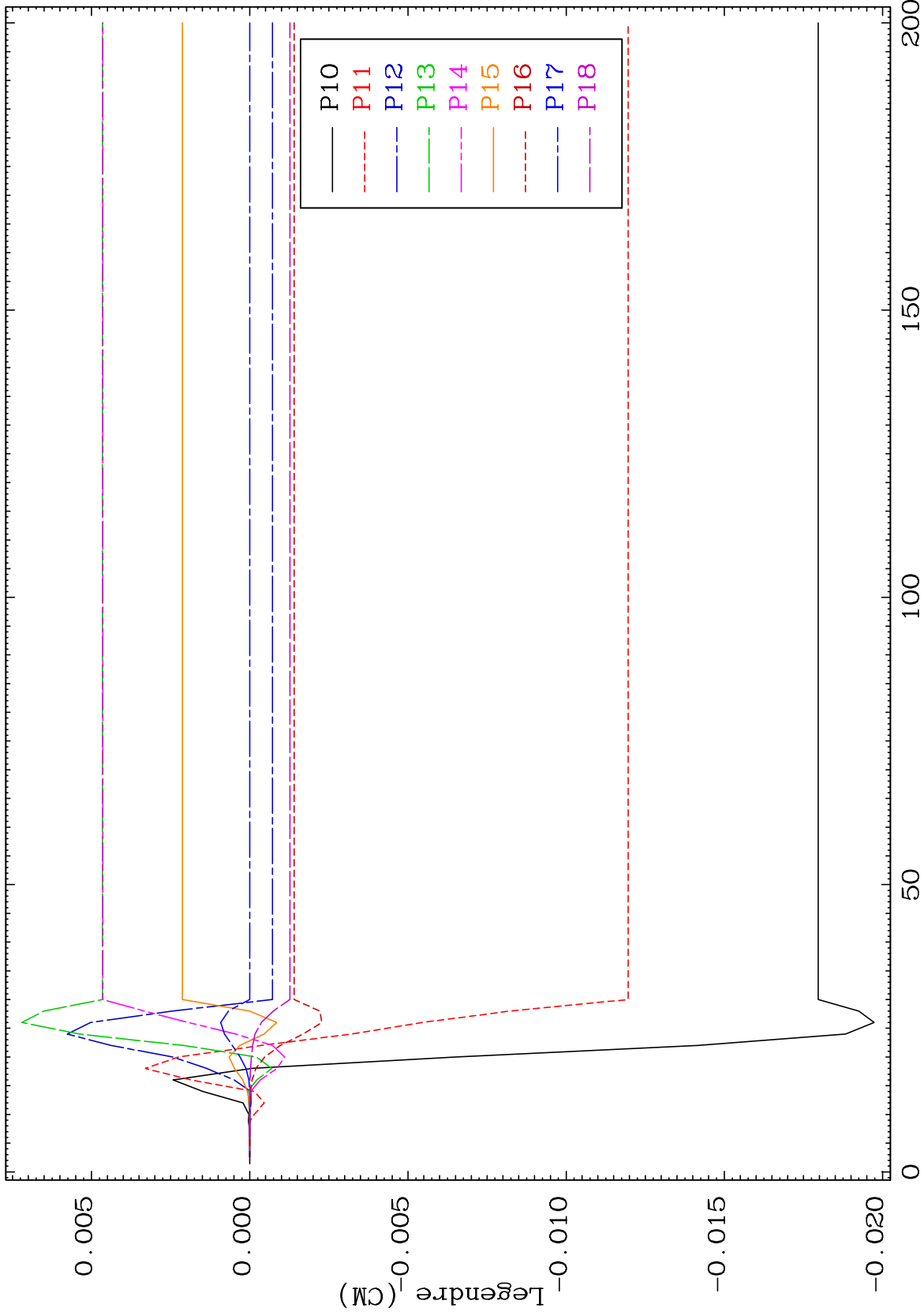
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

82-Pb-193



96

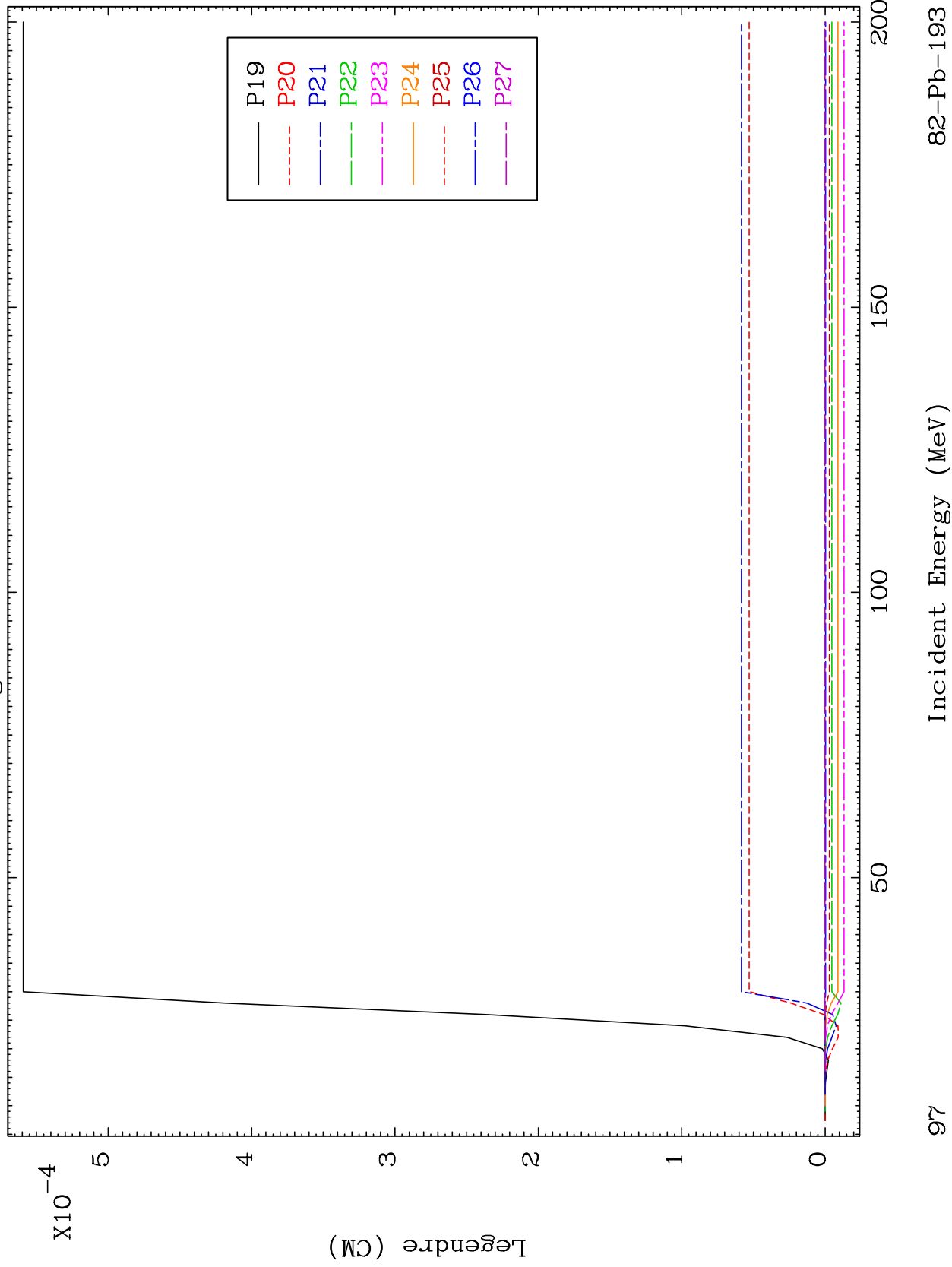
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

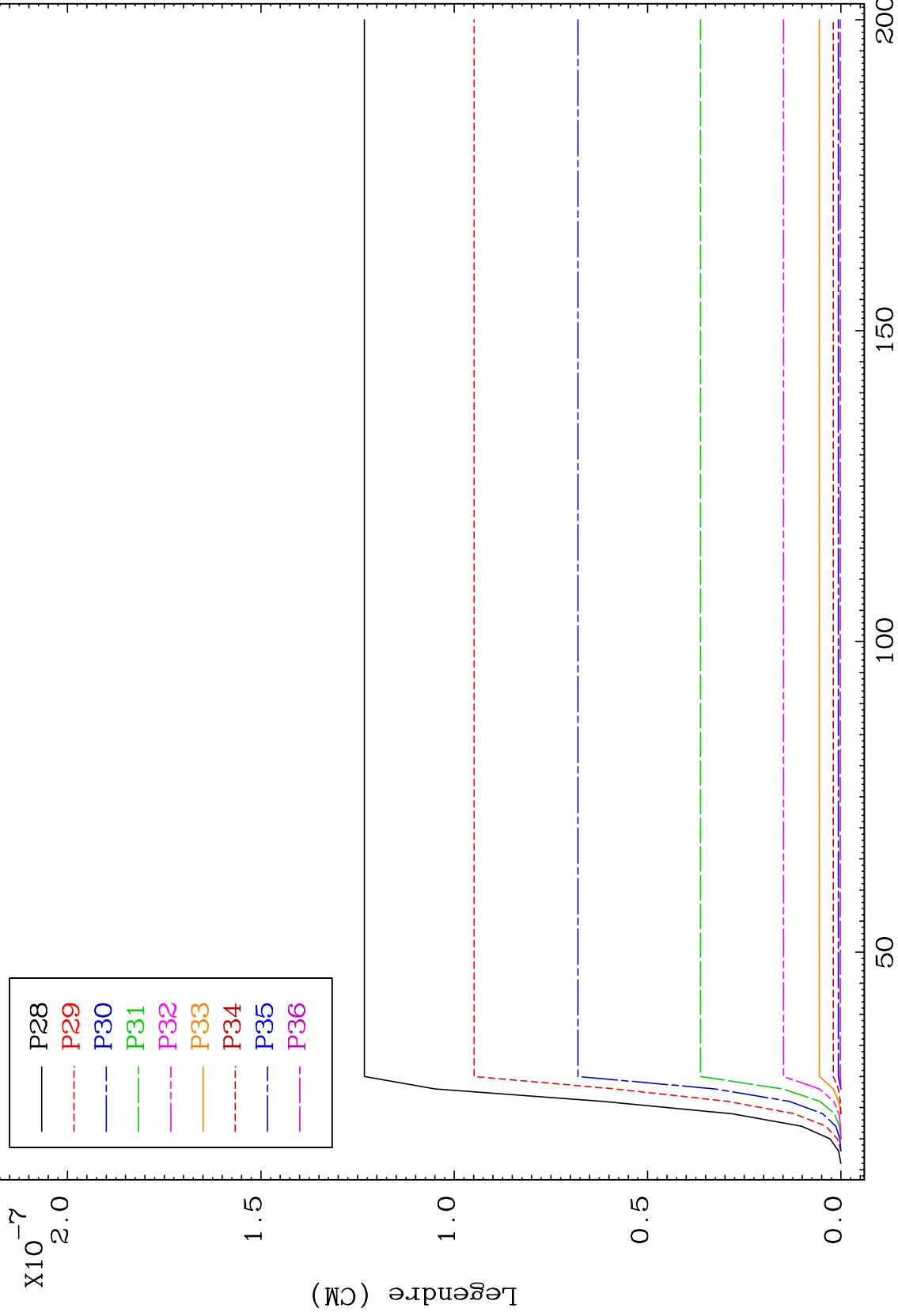
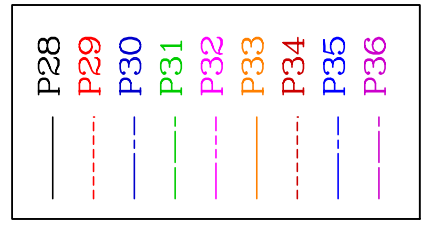
82-Pb-193



MAT 8192

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

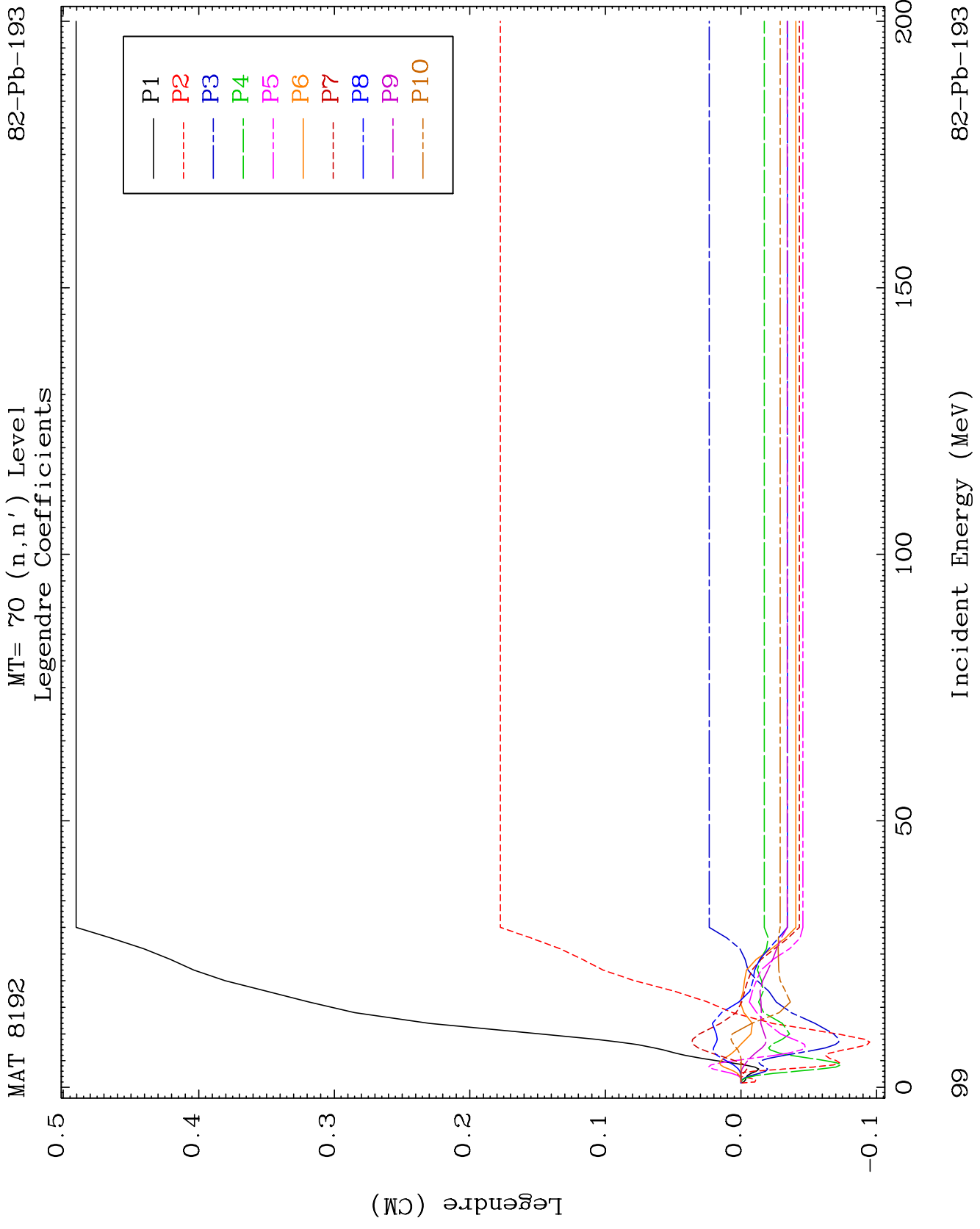
82-Pb-193



98

Incident Energy (MeV)

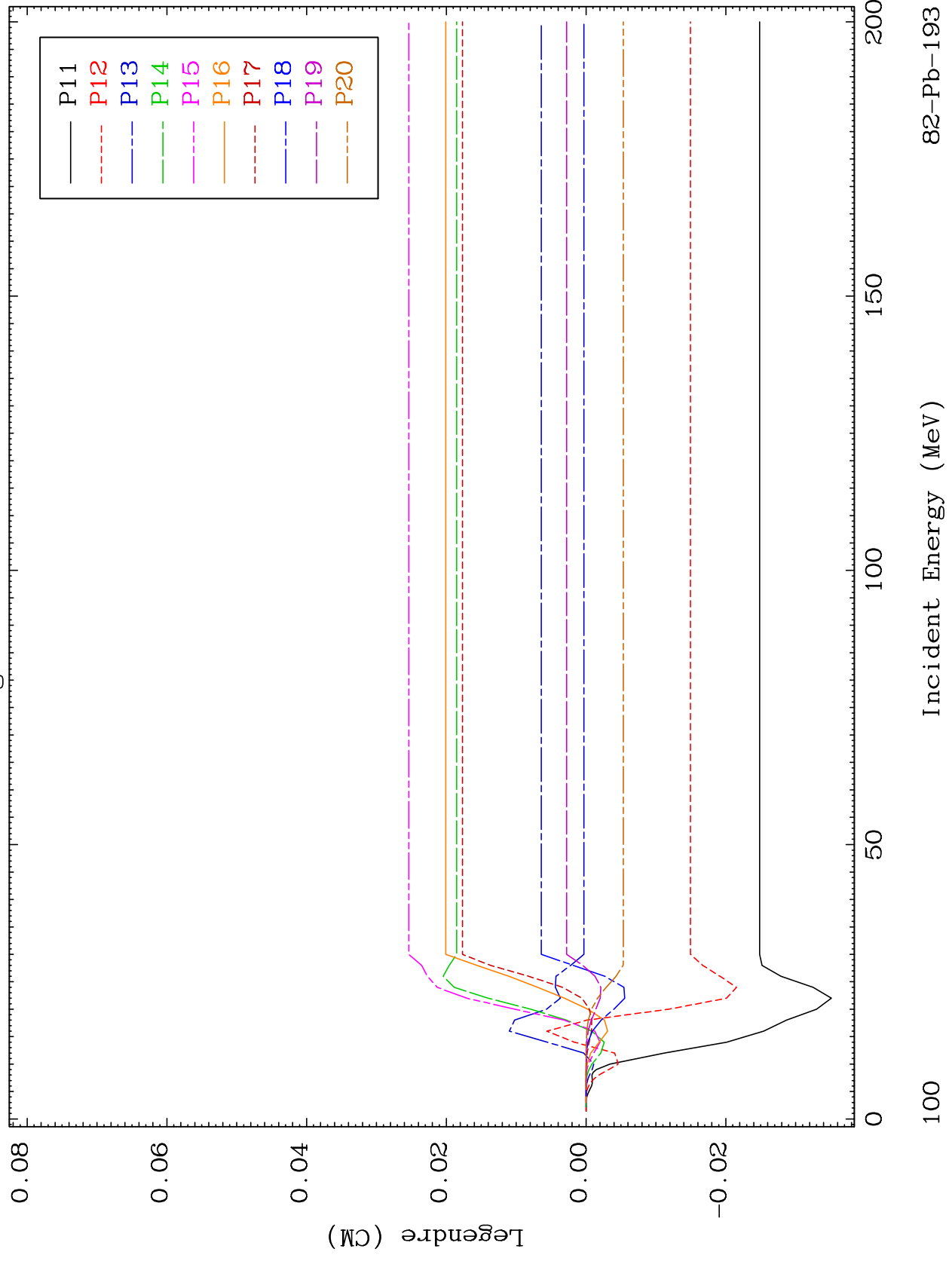
82-Pb-193



MAT 8192

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

82-Pb-193



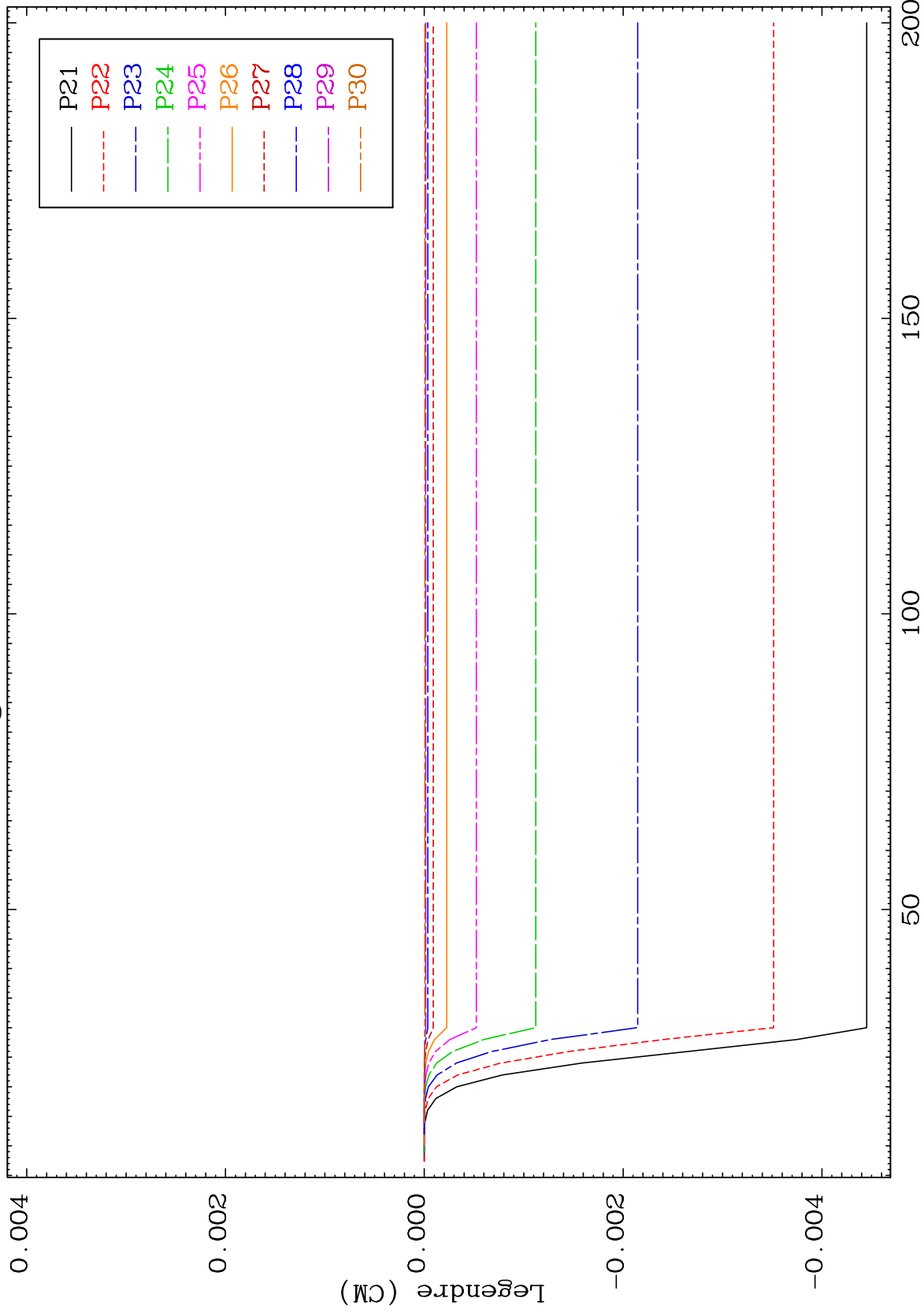
82-Pb-193

Incident Energy (MeV)

MAT 8192

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

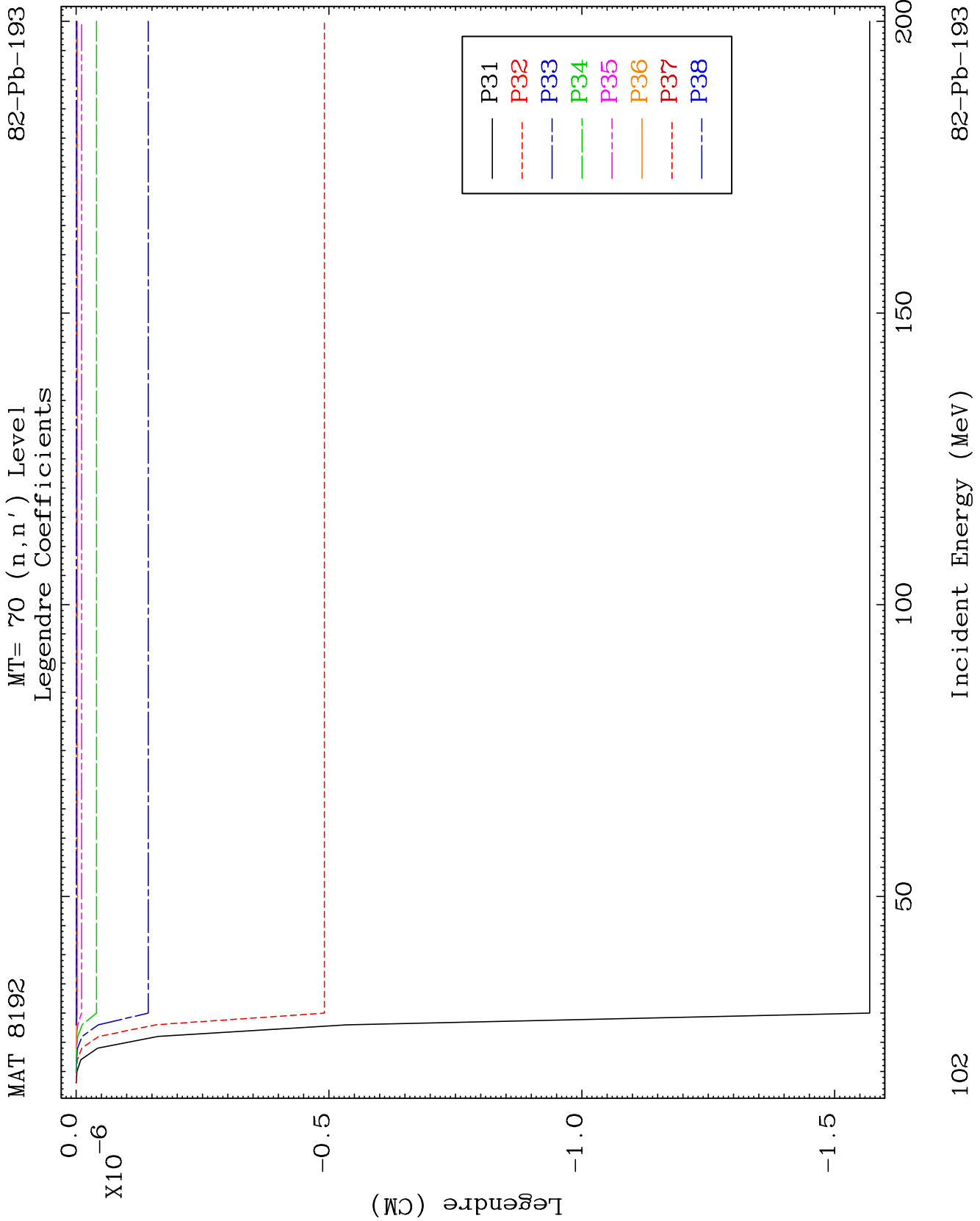
82-Pb-193



101

Incident Energy (MeV)

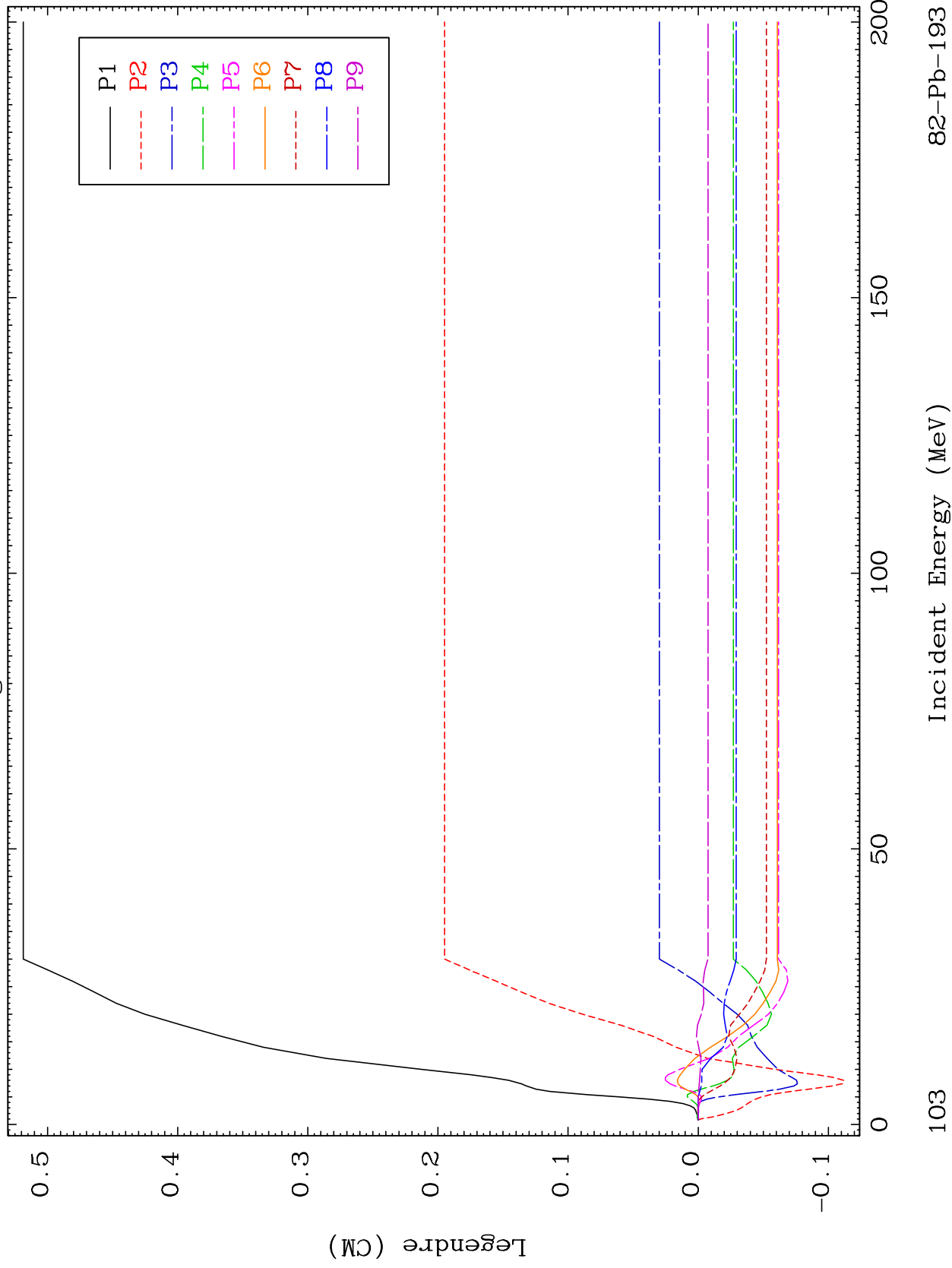
82-Pb-193



MAT 8192

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

82-Pb-193



82-Pb-193

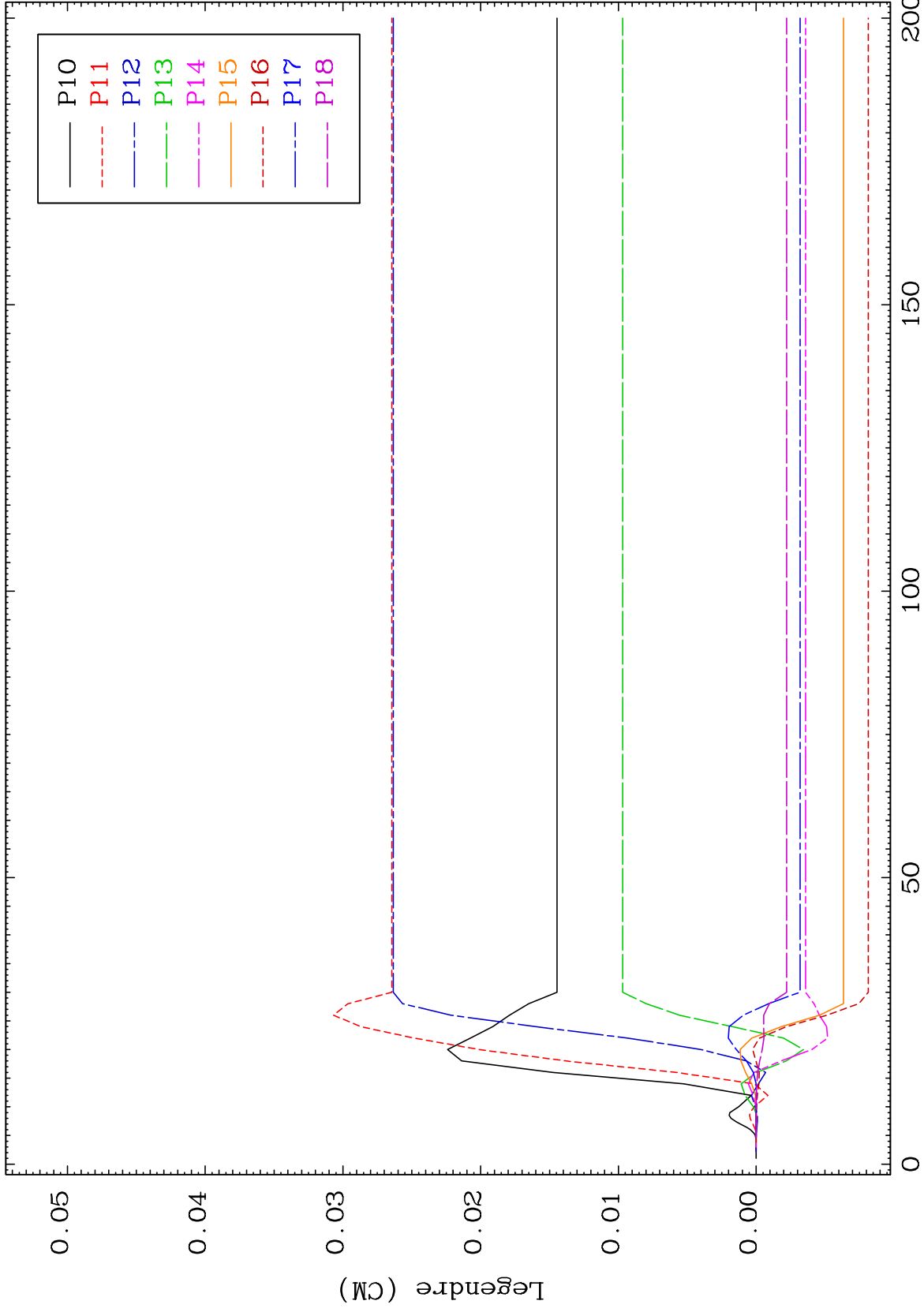
Incident Energy (MeV)

103

MAT 8192

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

82-Pb-193



104

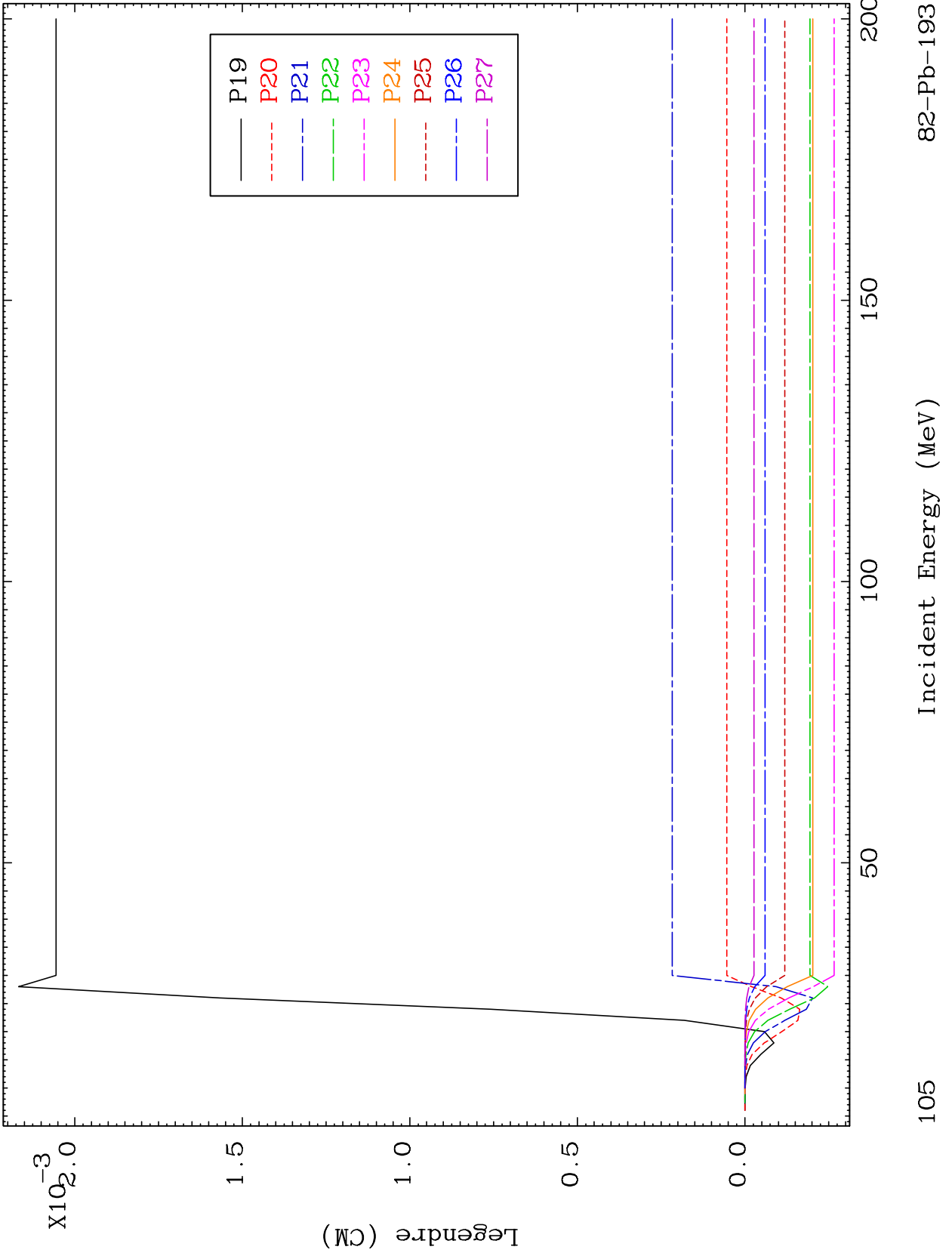
Incident Energy (MeV)

82-Pb-193

MAT 8192

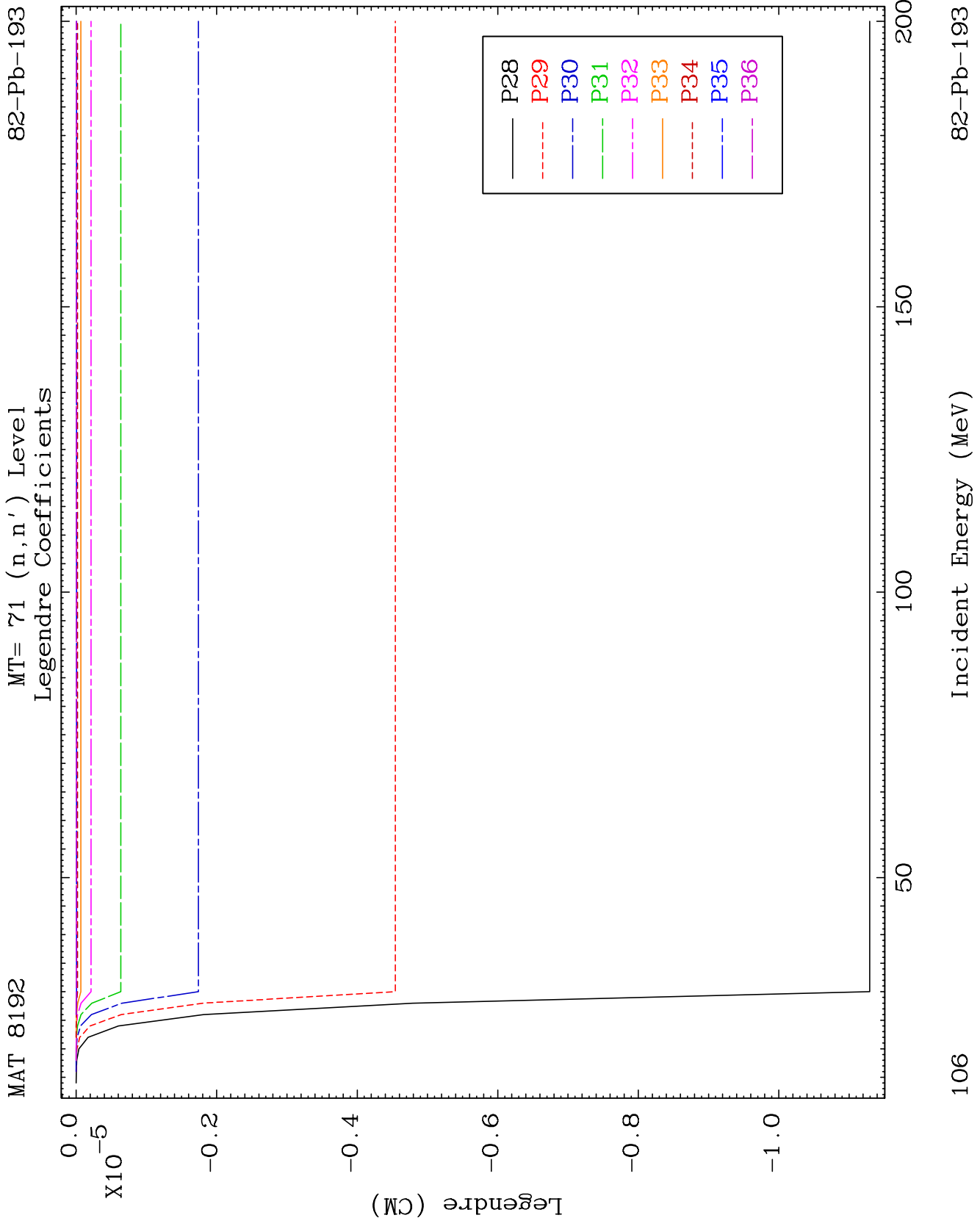
MT= 71 (n,n') Level  
Legendre Coefficients

82-Pb-193



105

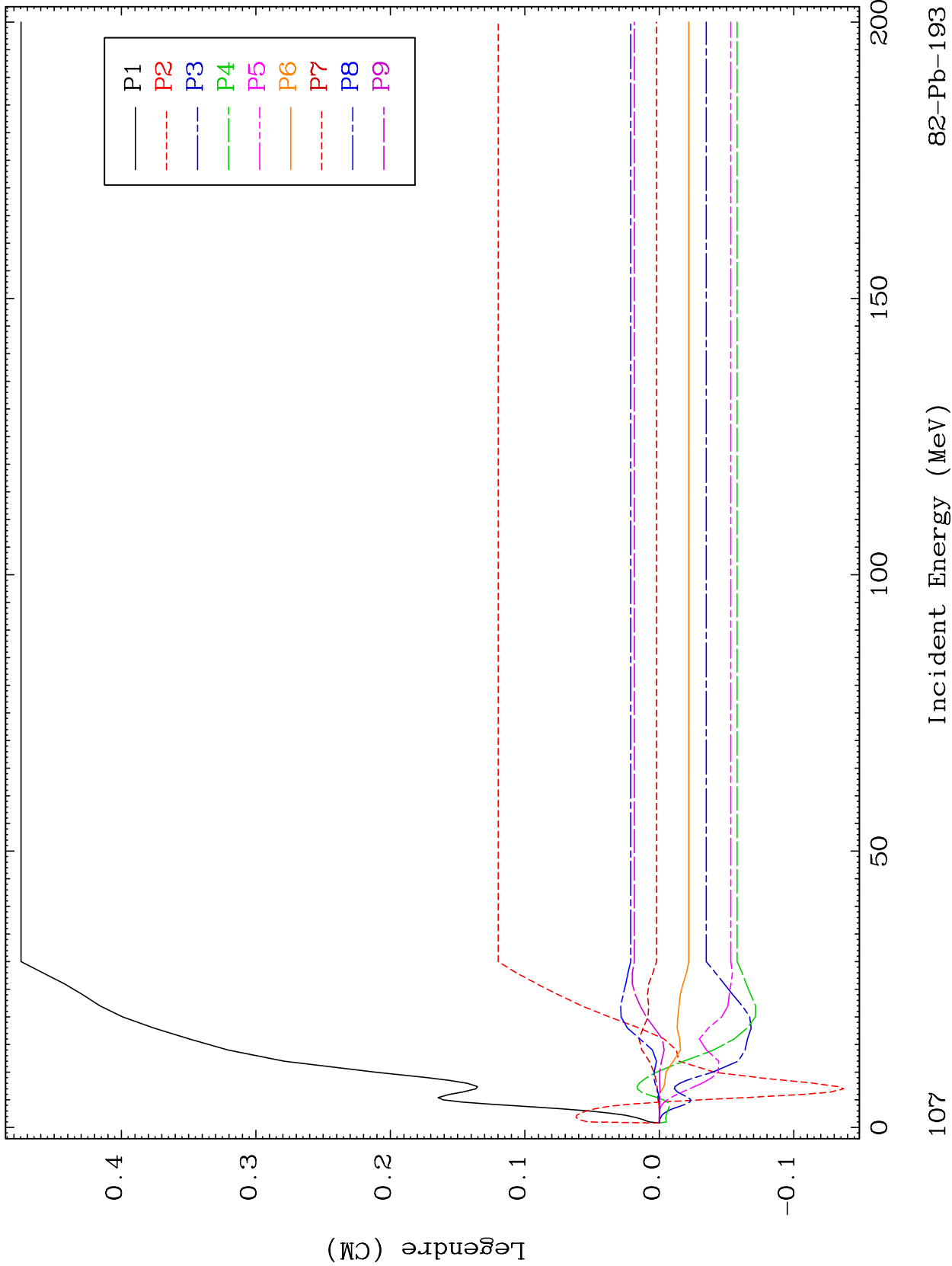
82-Pb-193



MAT 8192

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

82-Pb-193



82-Pb-193

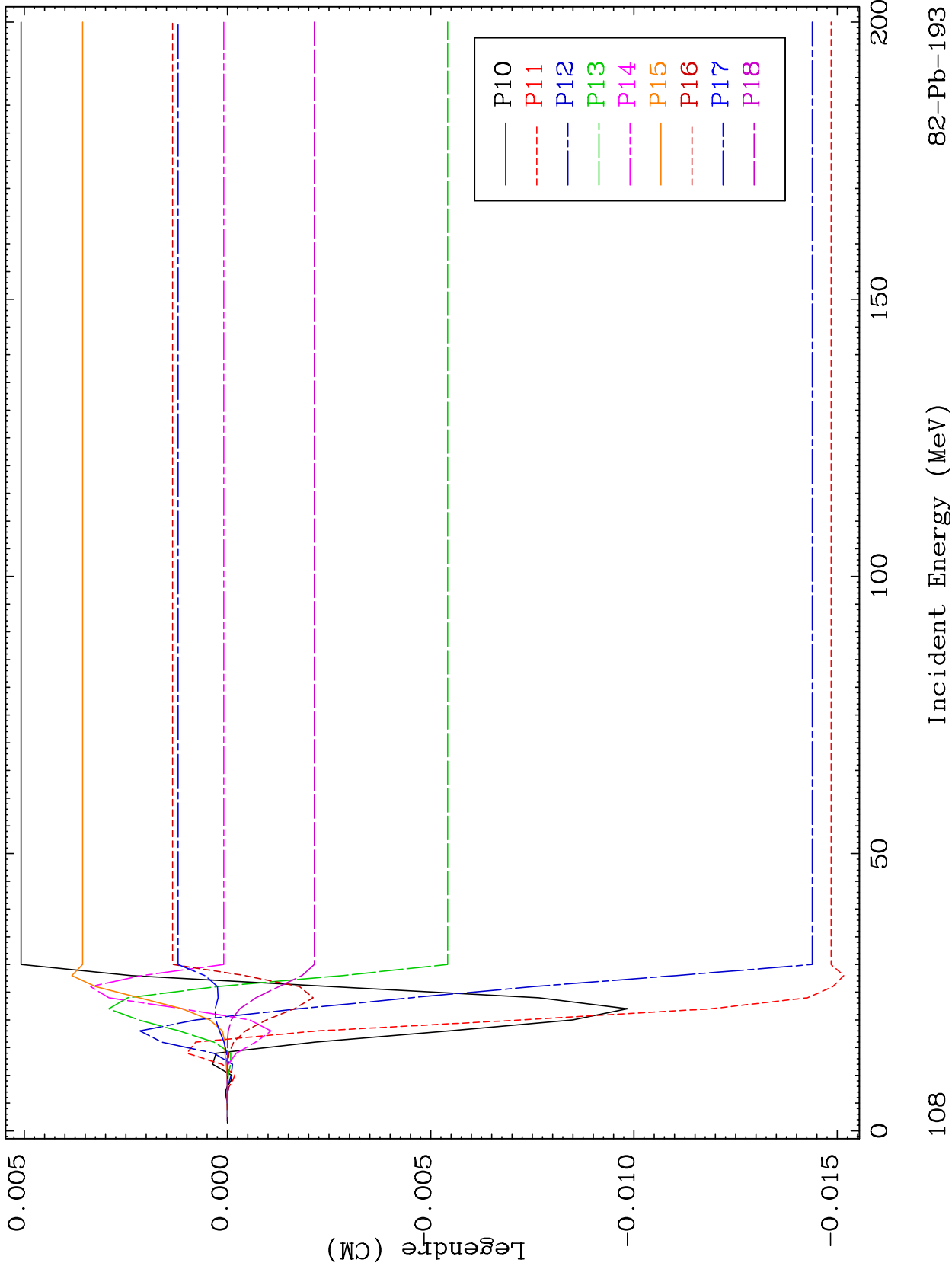
Incident Energy (MeV)

107

MAT 8192

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

82-Pb-193



82-Pb-193

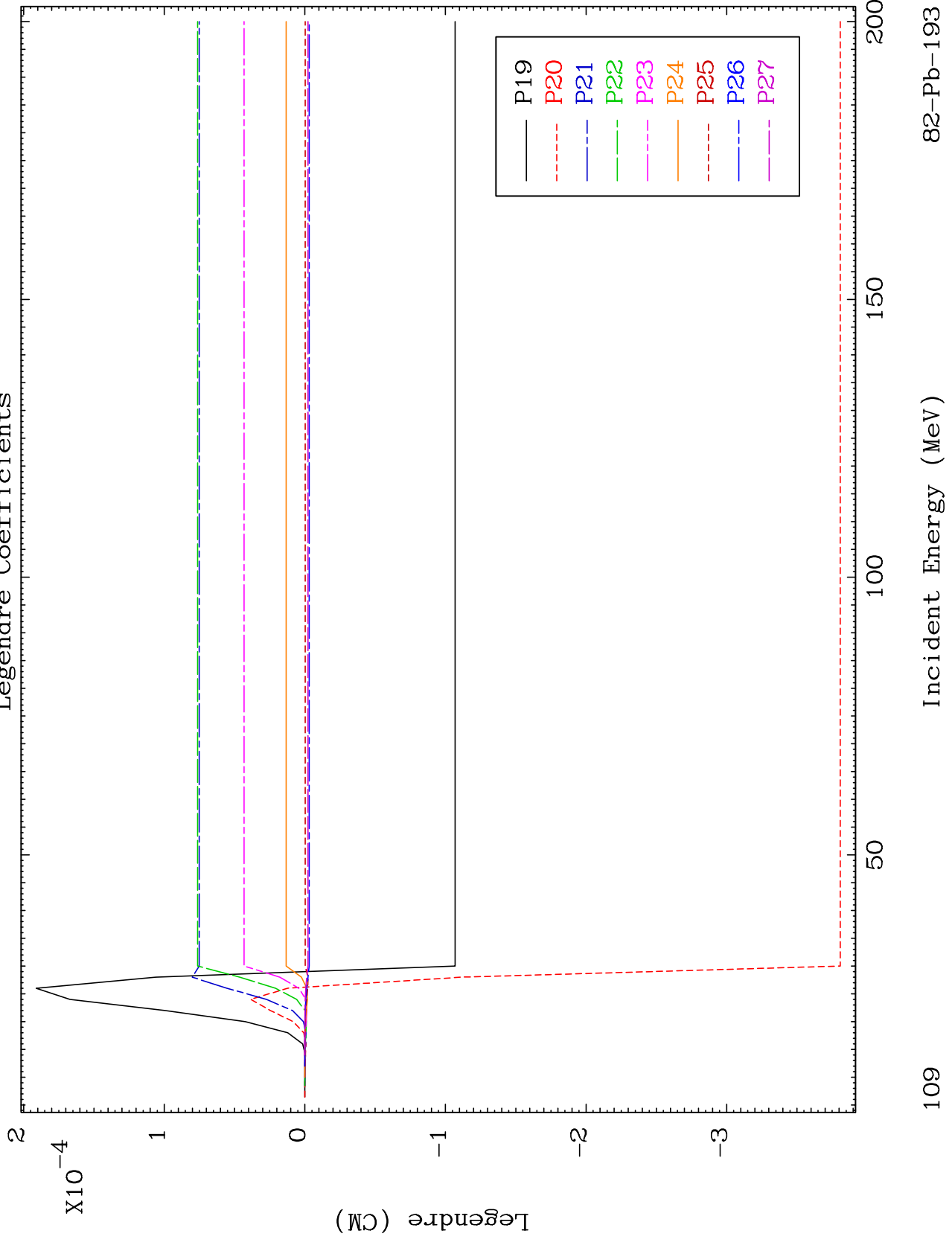
Incident Energy (MeV)

108

MAT 8192

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

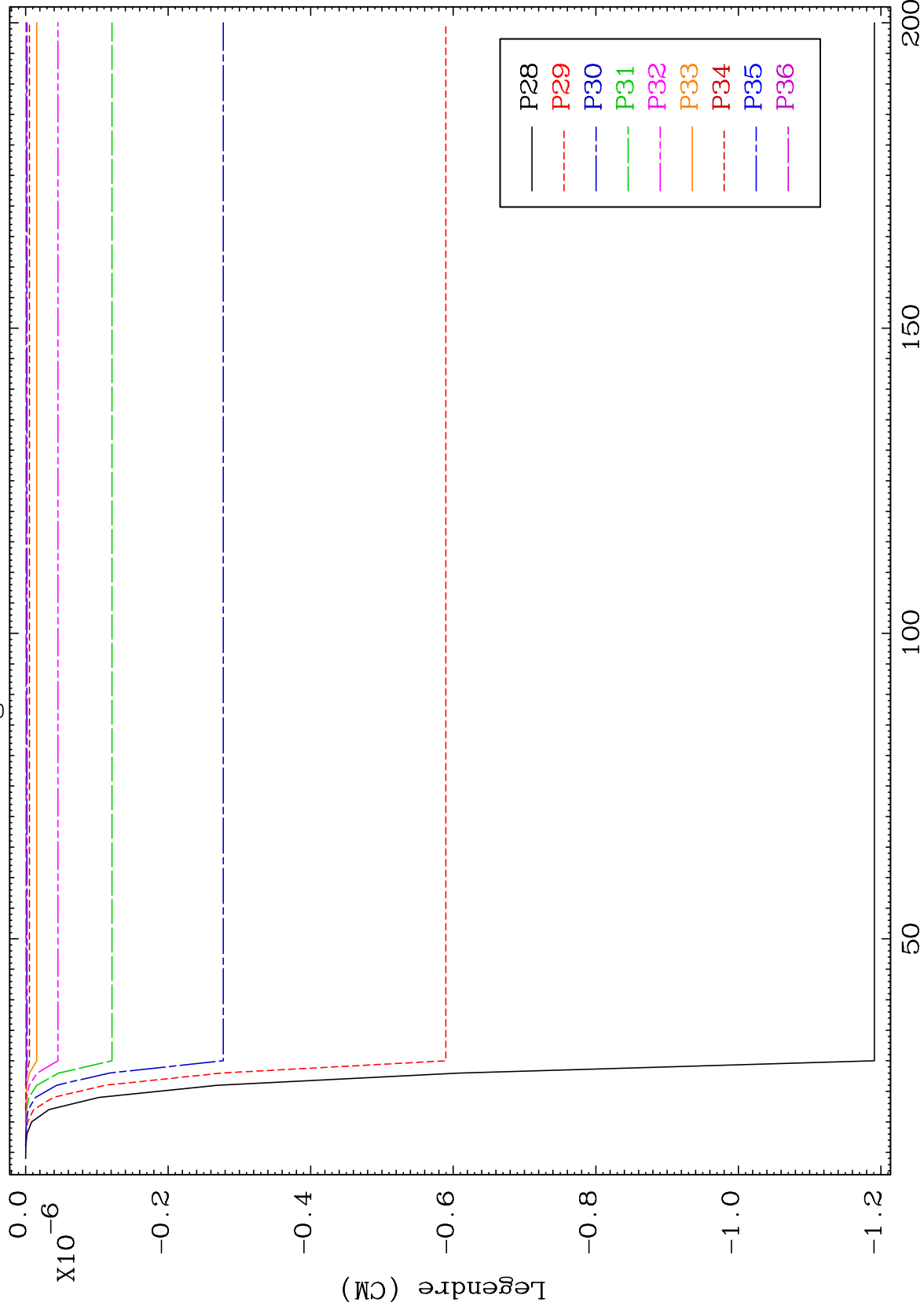
82-Pb-193



MAT 8192

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

82-Pb-193



82-Pb-193

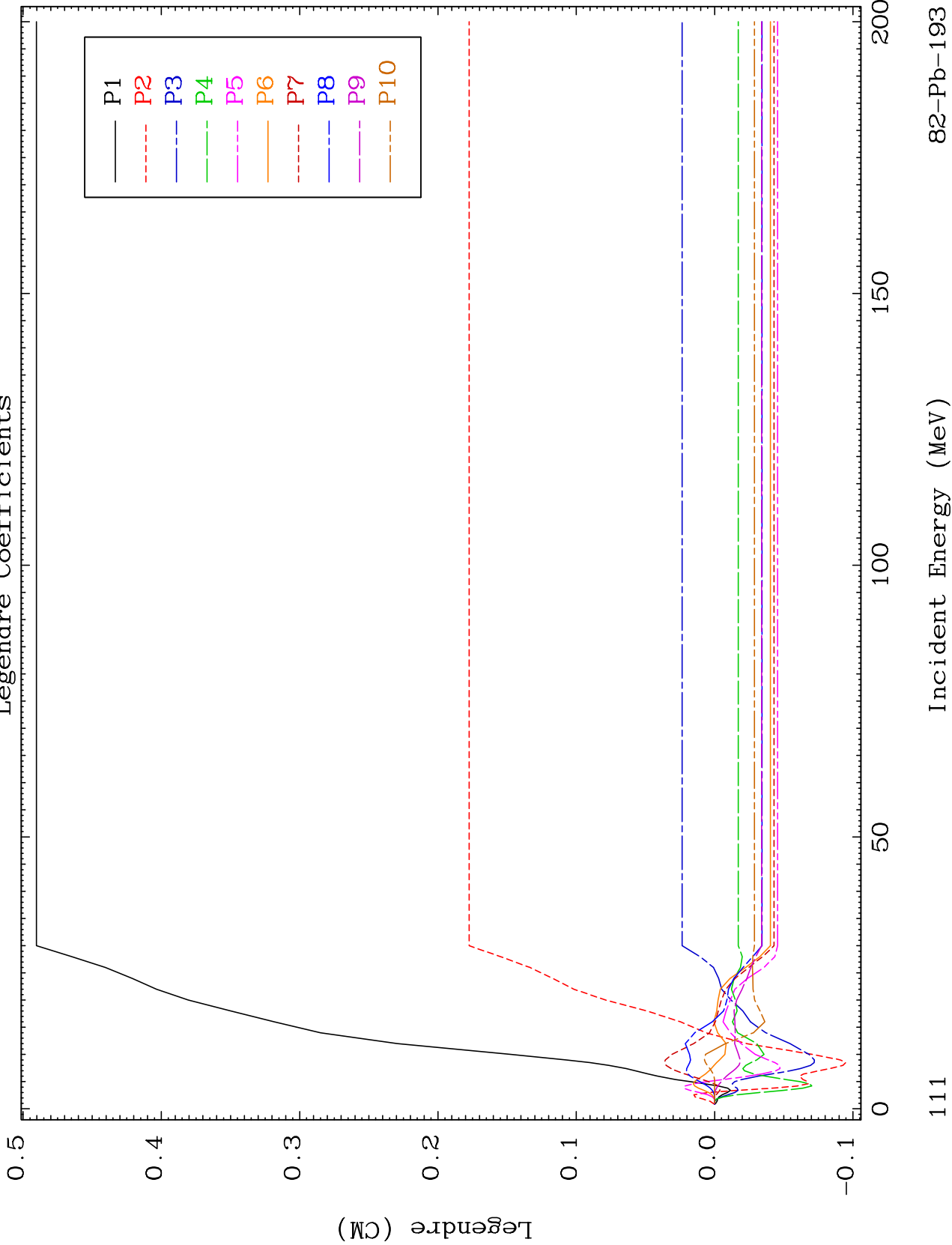
Incident Energy (MeV)

110

MAT 8192

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

82-Pb-193



111

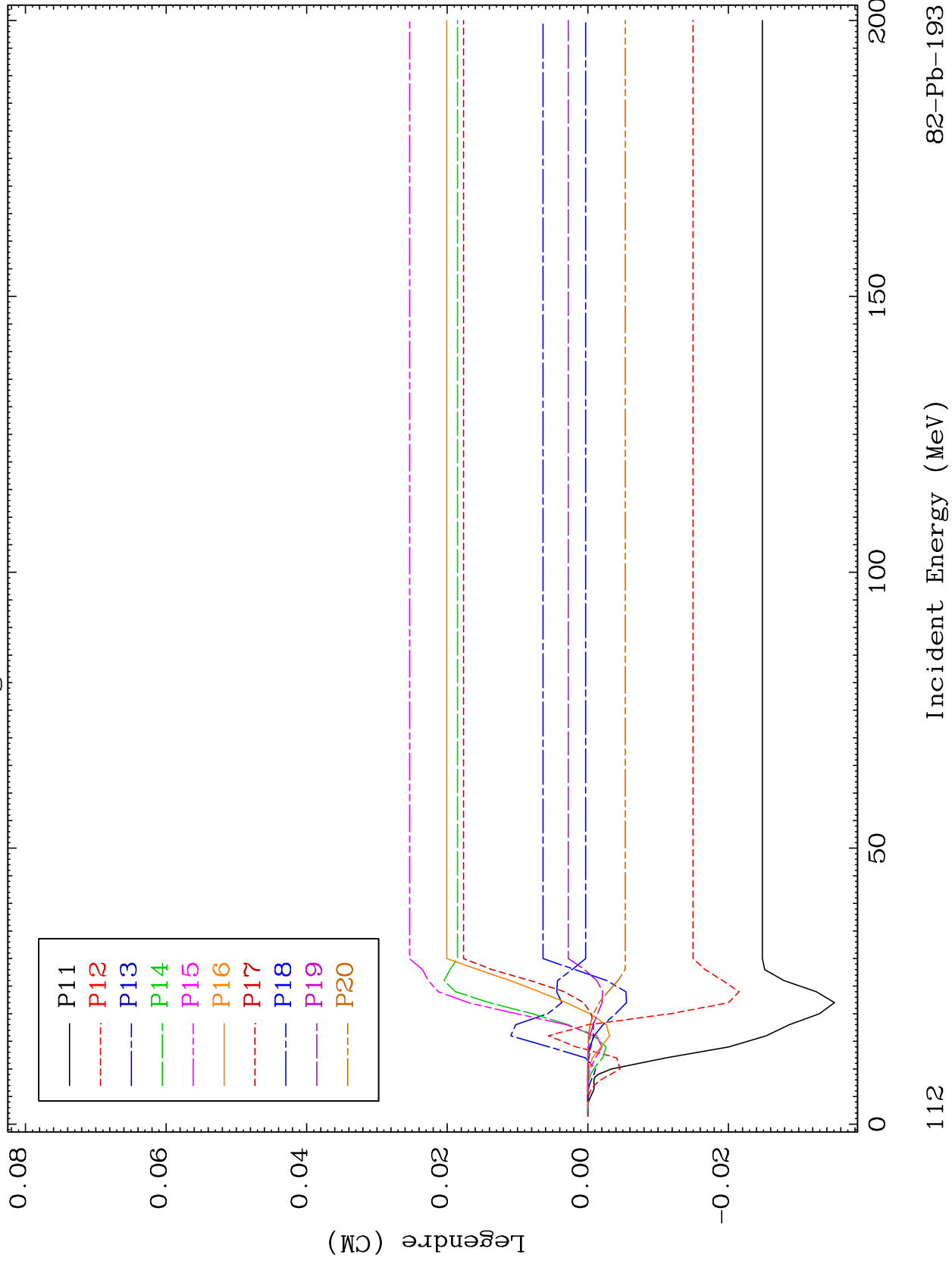
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

82-Pb-193



112

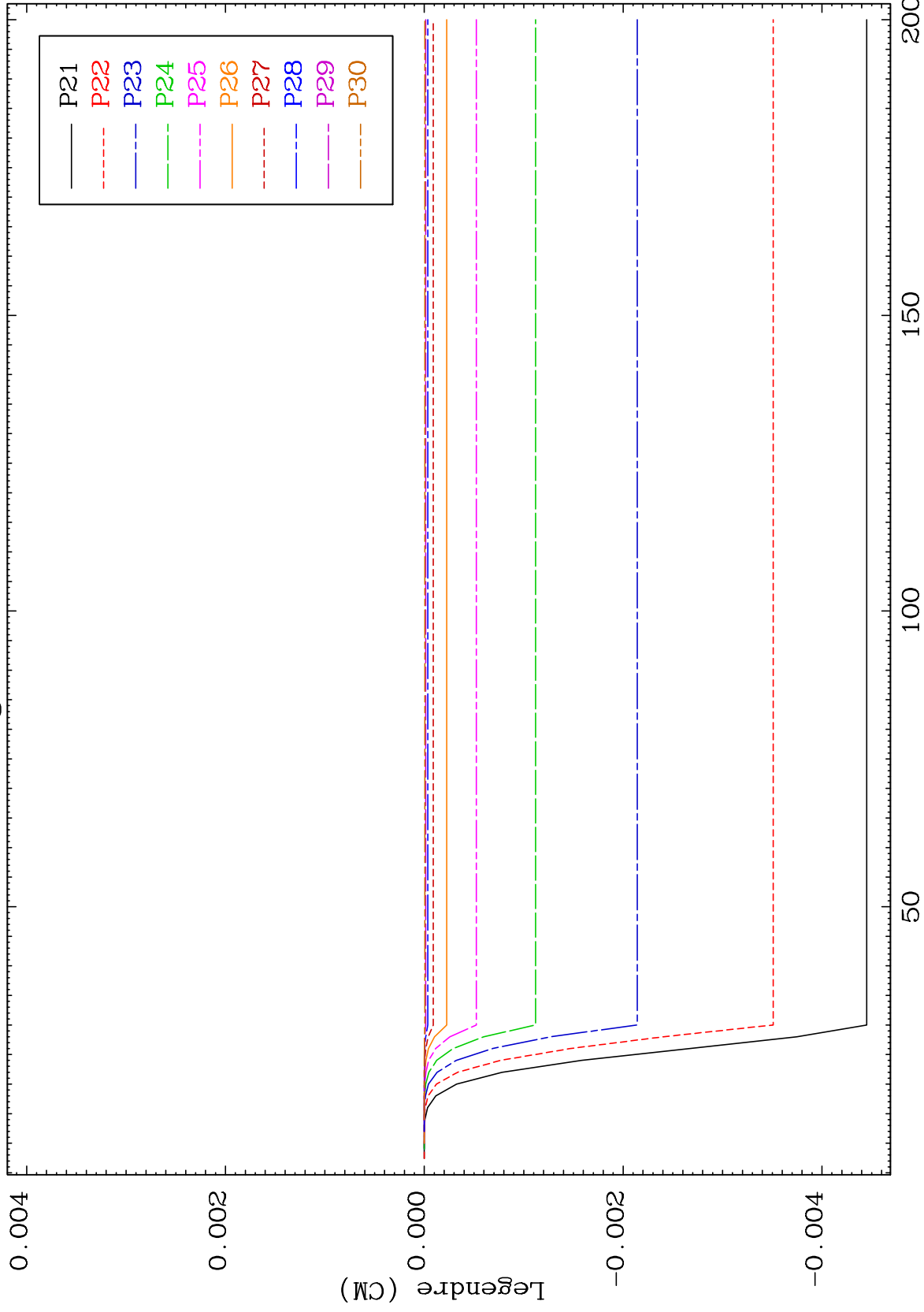
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

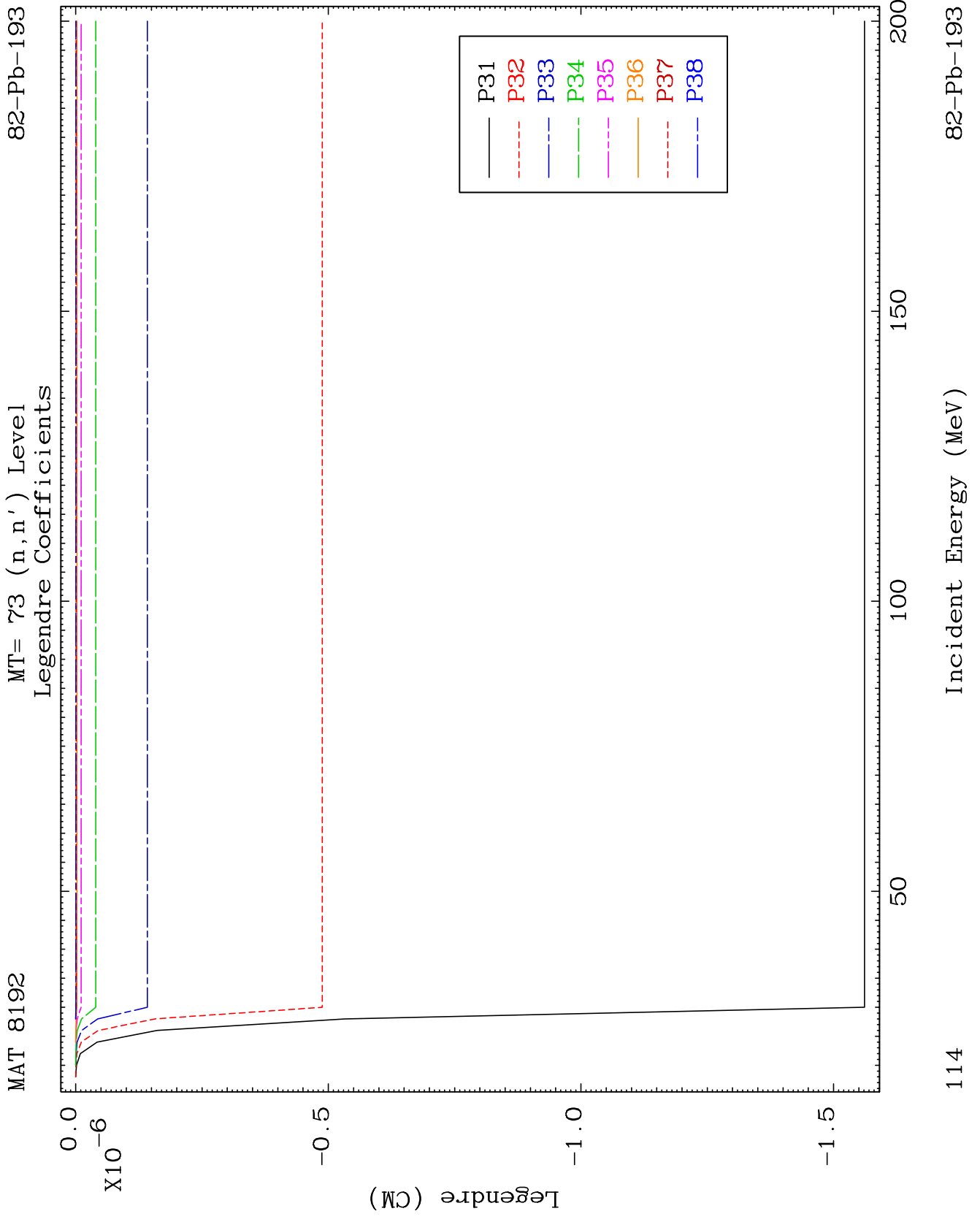
82-Pb-193



113

Incident Energy (MeV)

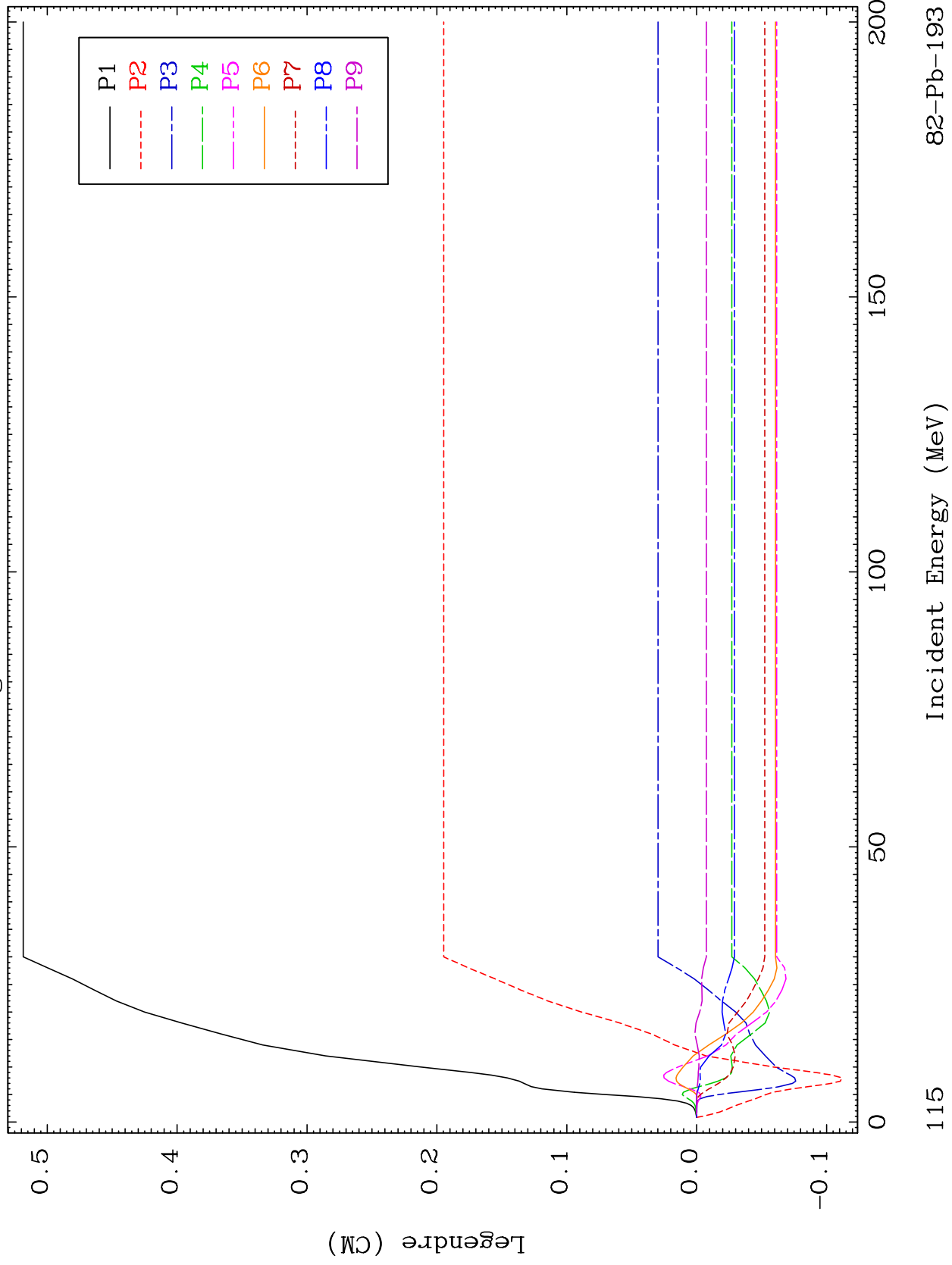
82-Pb-193



MAT 8192

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

82-Pb-193



82-Pb-193

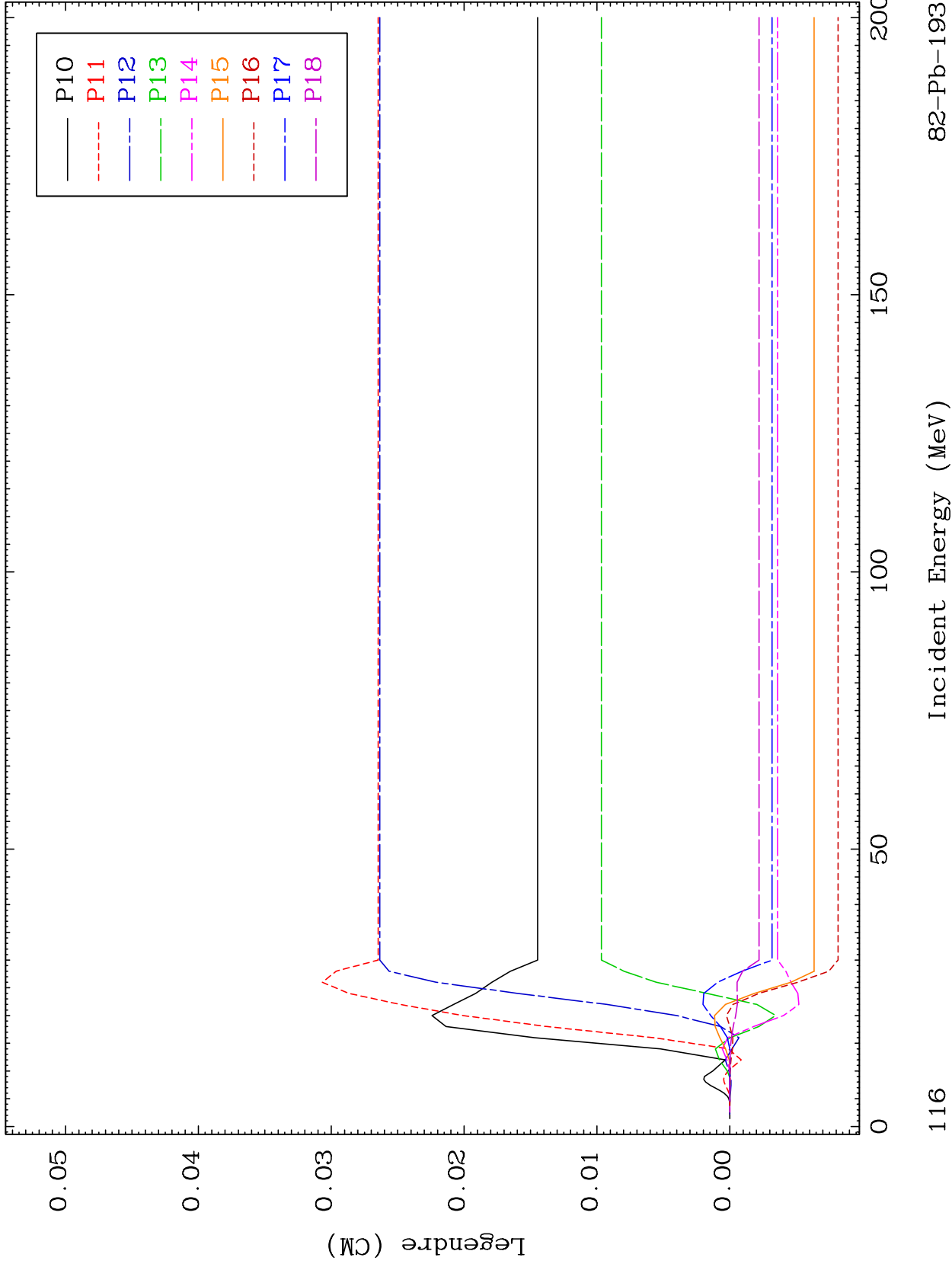
Incident Energy (MeV)

115

MAT 8192

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

82-Pb-193



82-Pb-193

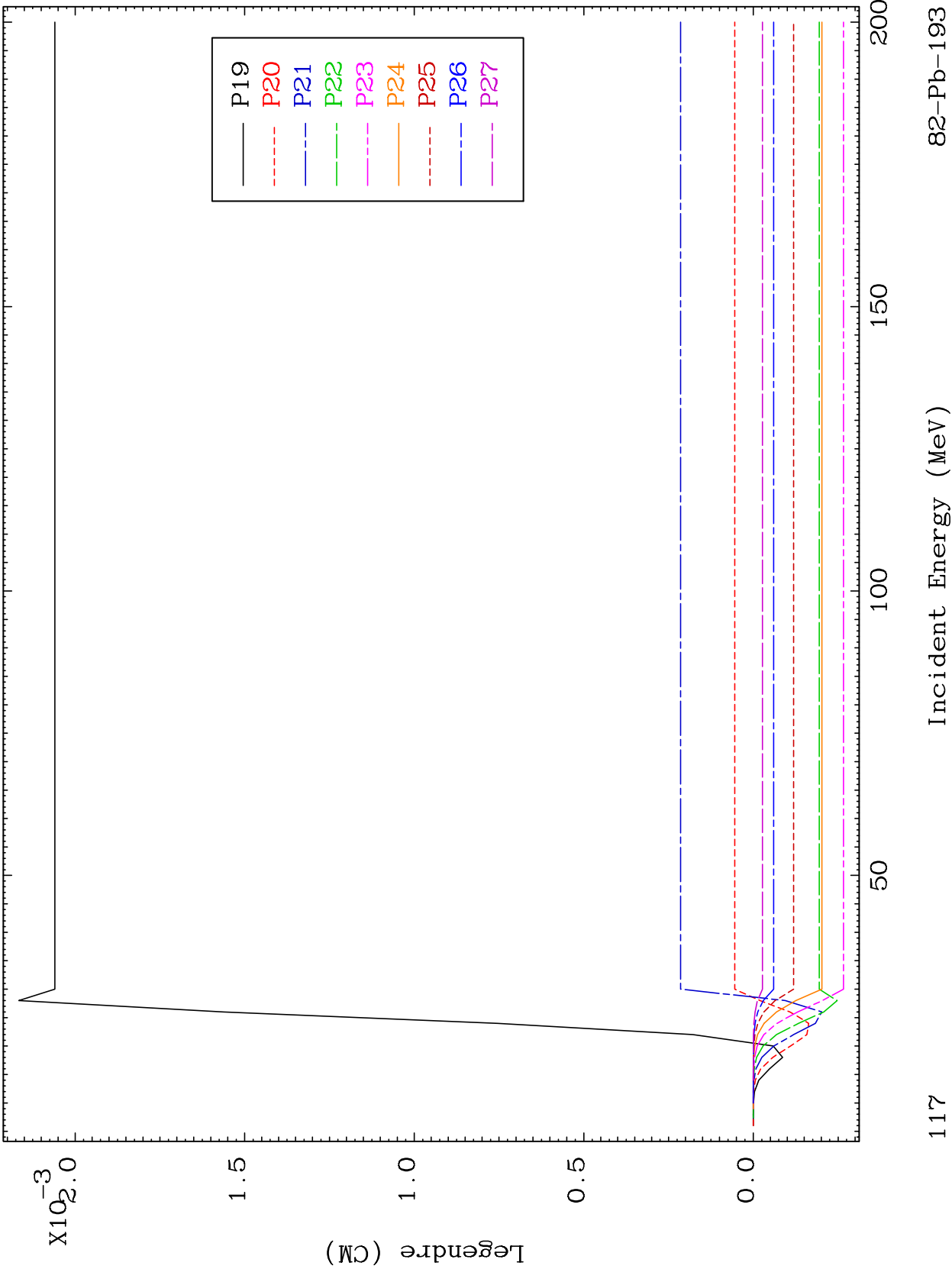
Incident Energy (MeV)

116

MAT 8192

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

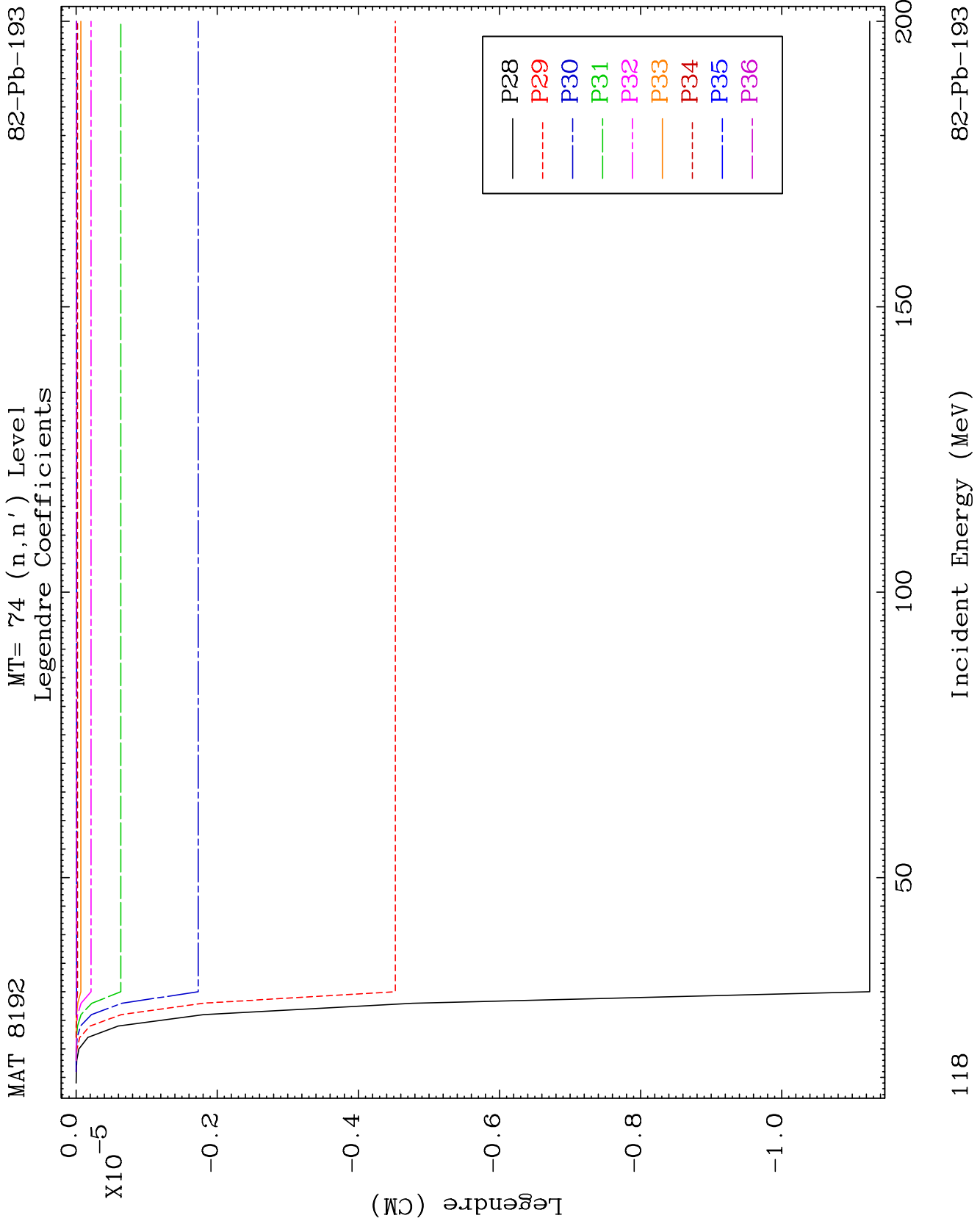
82-Pb-193



117

Incident Energy (MeV)

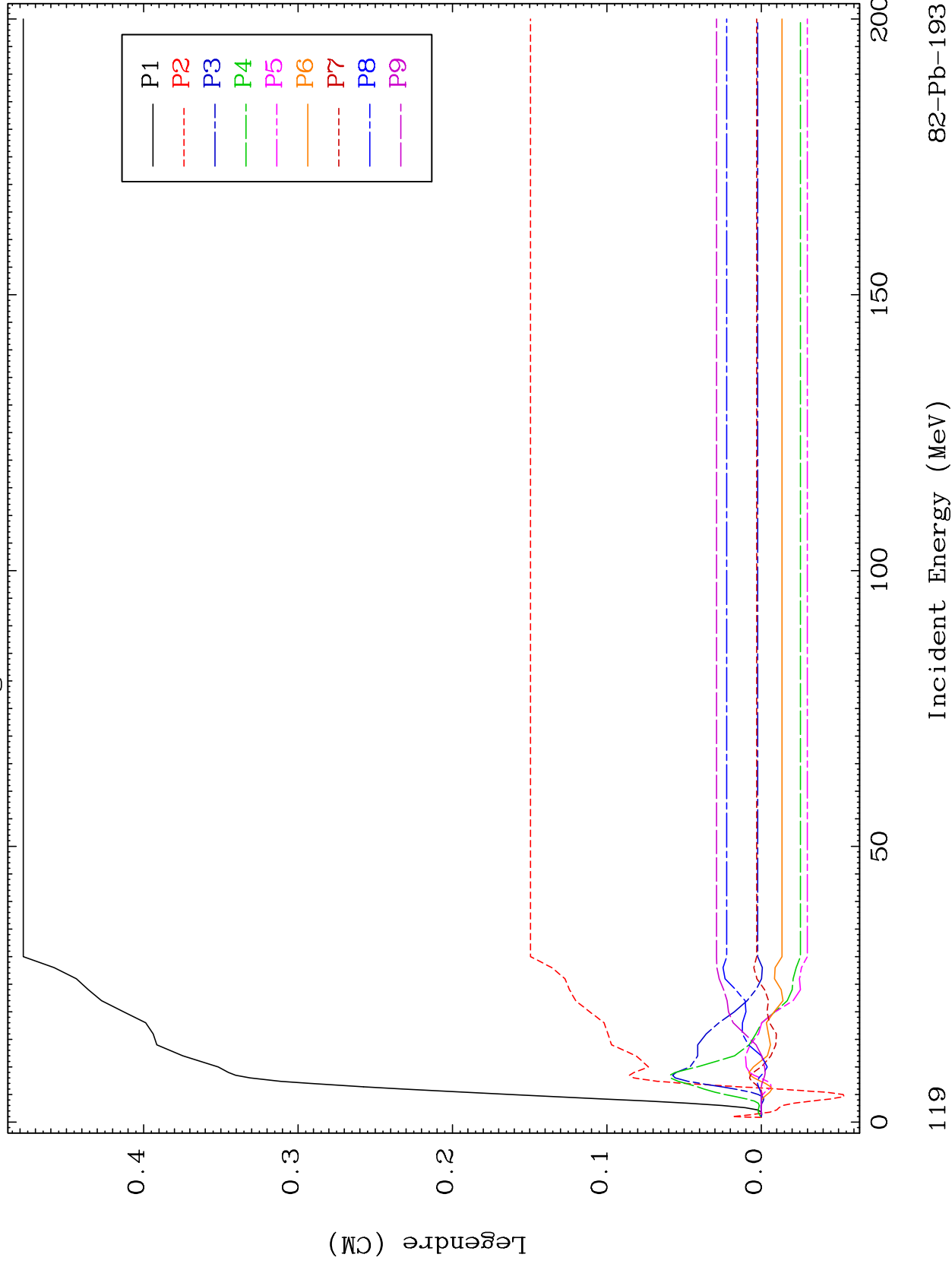
82-Pb-193



MAT 8192

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

82-Pb-193



82-Pb-193

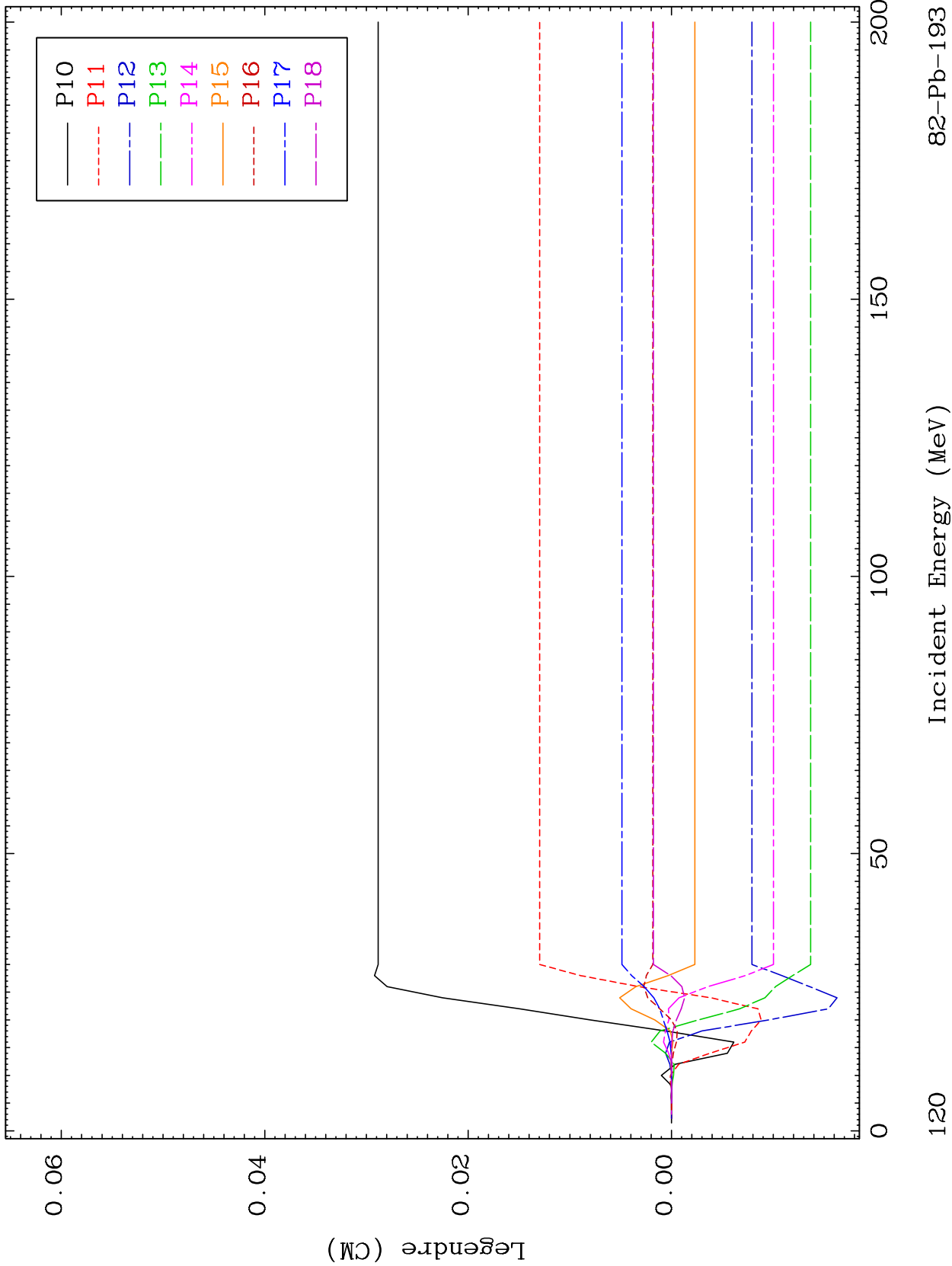
Incident Energy (MeV)

119

MAT 8192

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

82-Pb-193



82-Pb-193

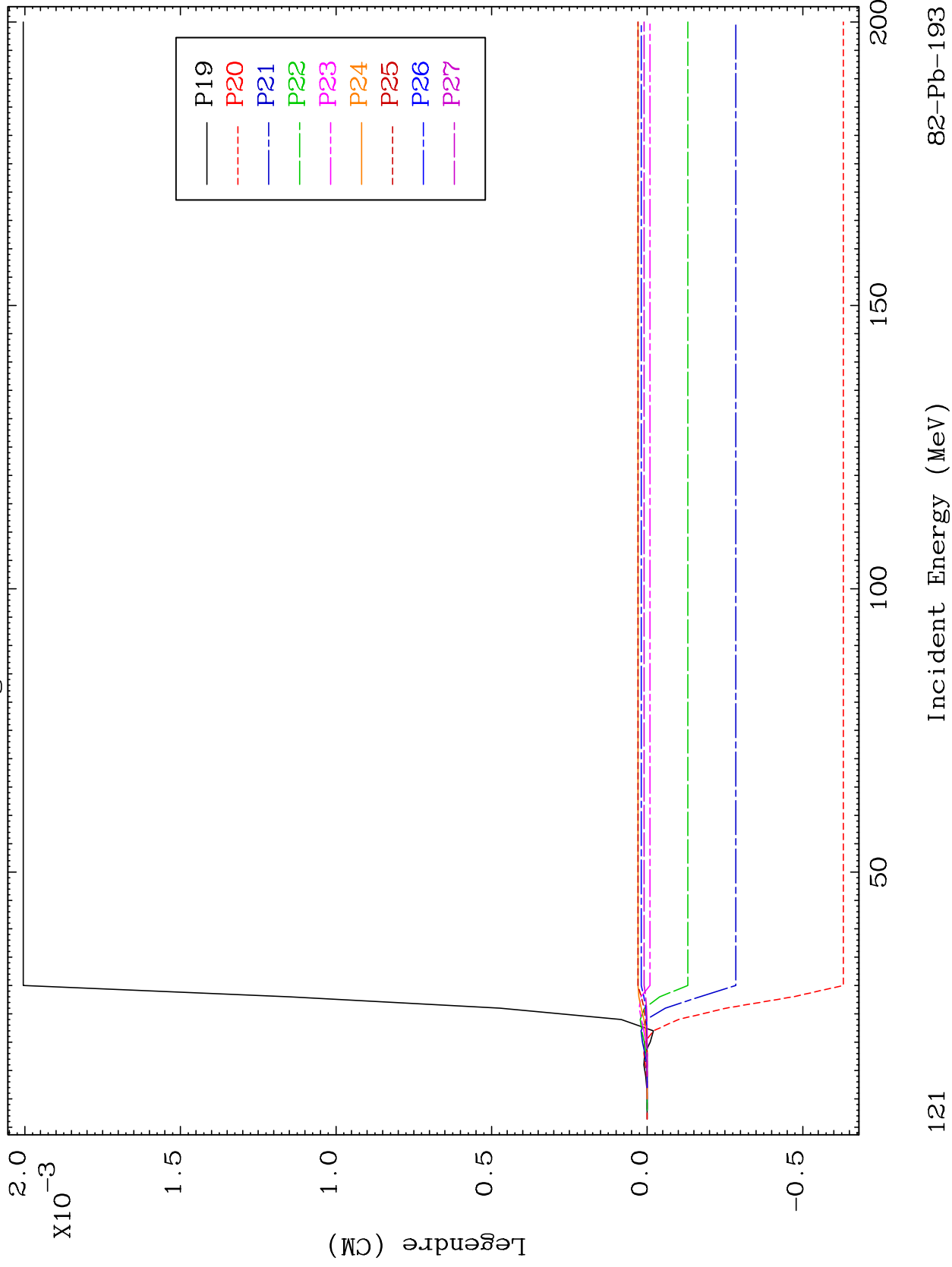
Incident Energy (MeV)

120

MAT 8192

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

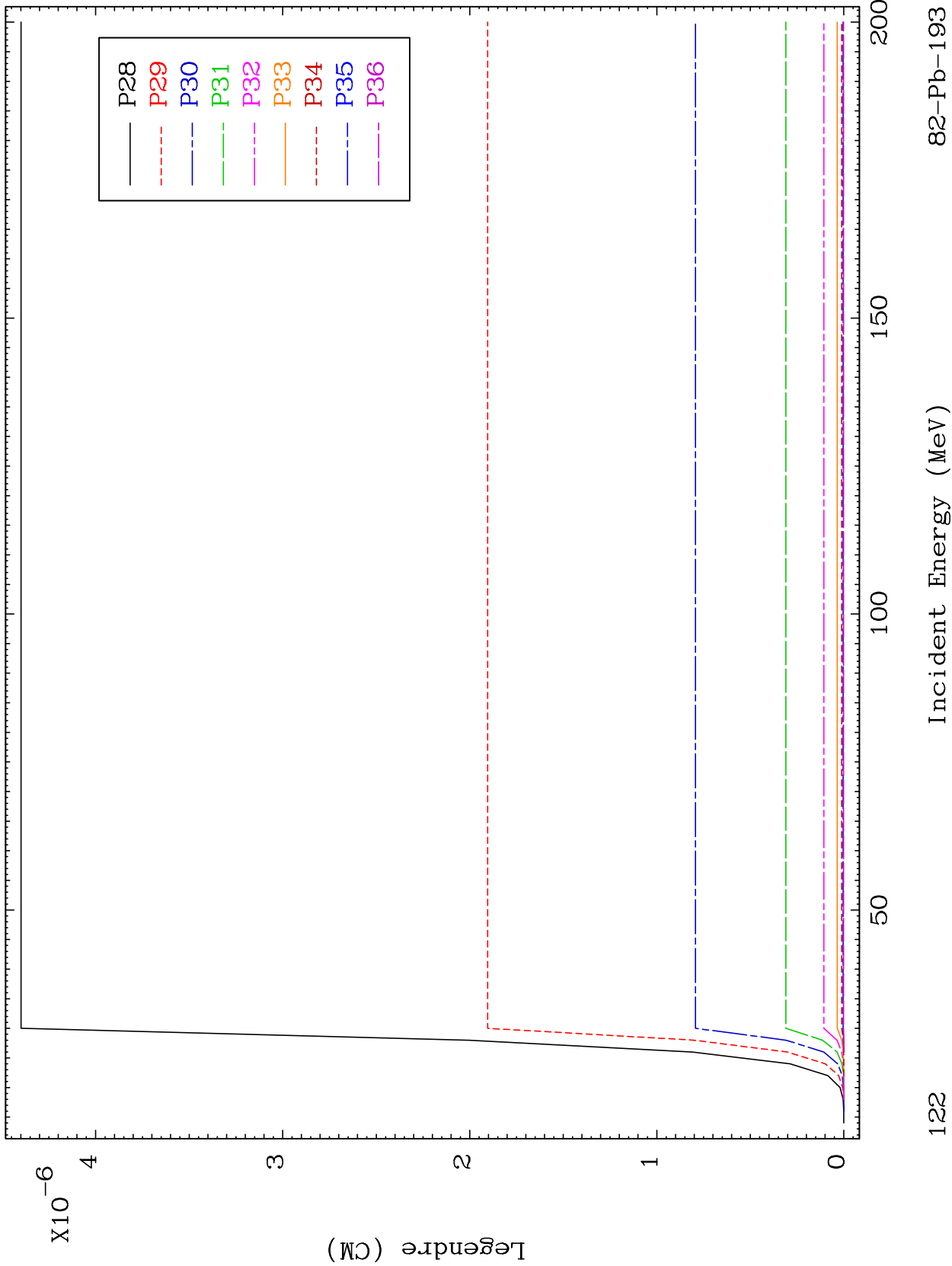
82-Pb-193



MAT 8192

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

82-Pb-193



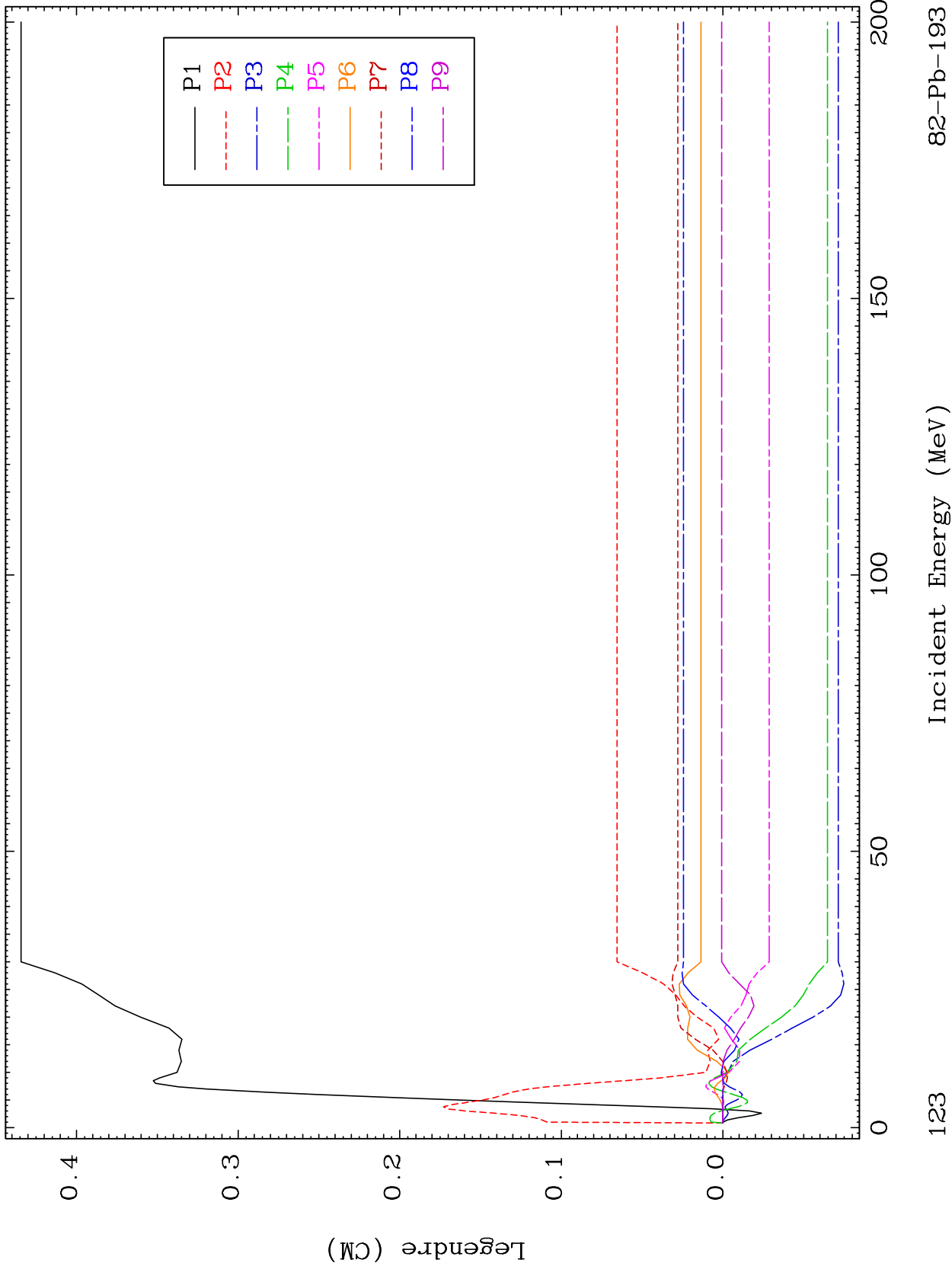
122

82-Pb-193

MAT 8192

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

82-Pb-193



82-Pb-193

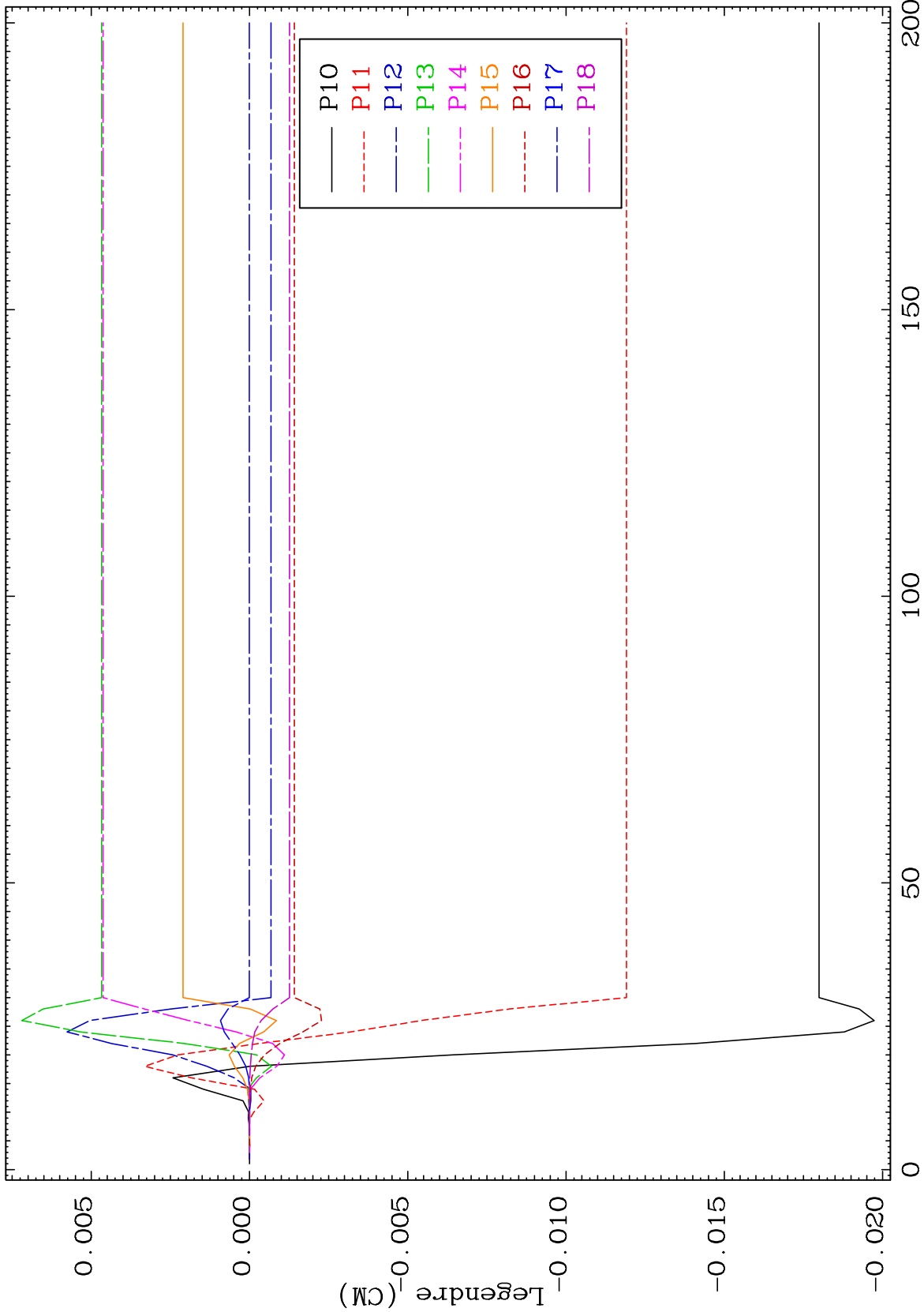
Incident Energy (MeV)

123

MAT 8192

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

82-Pb-193



124

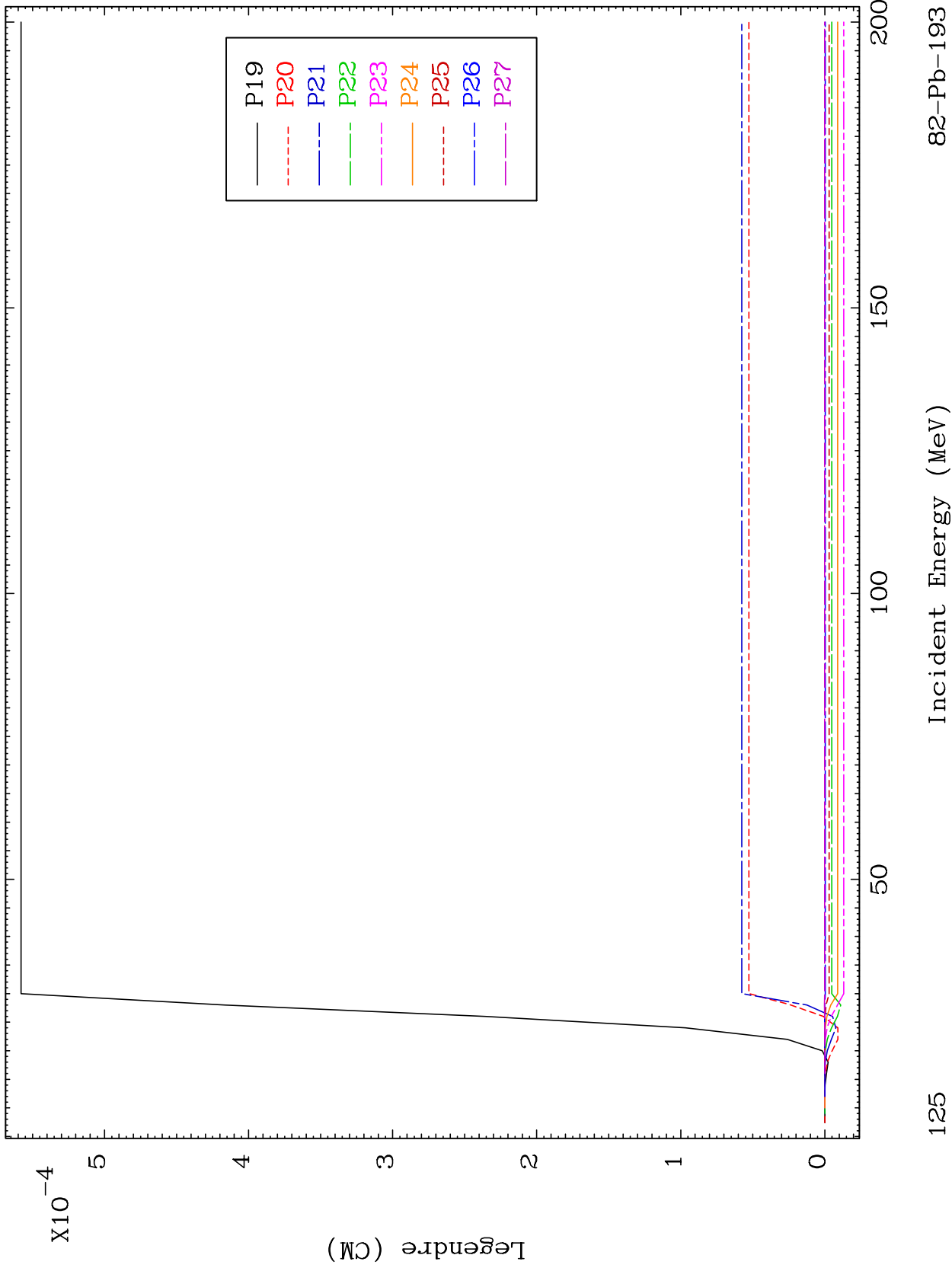
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

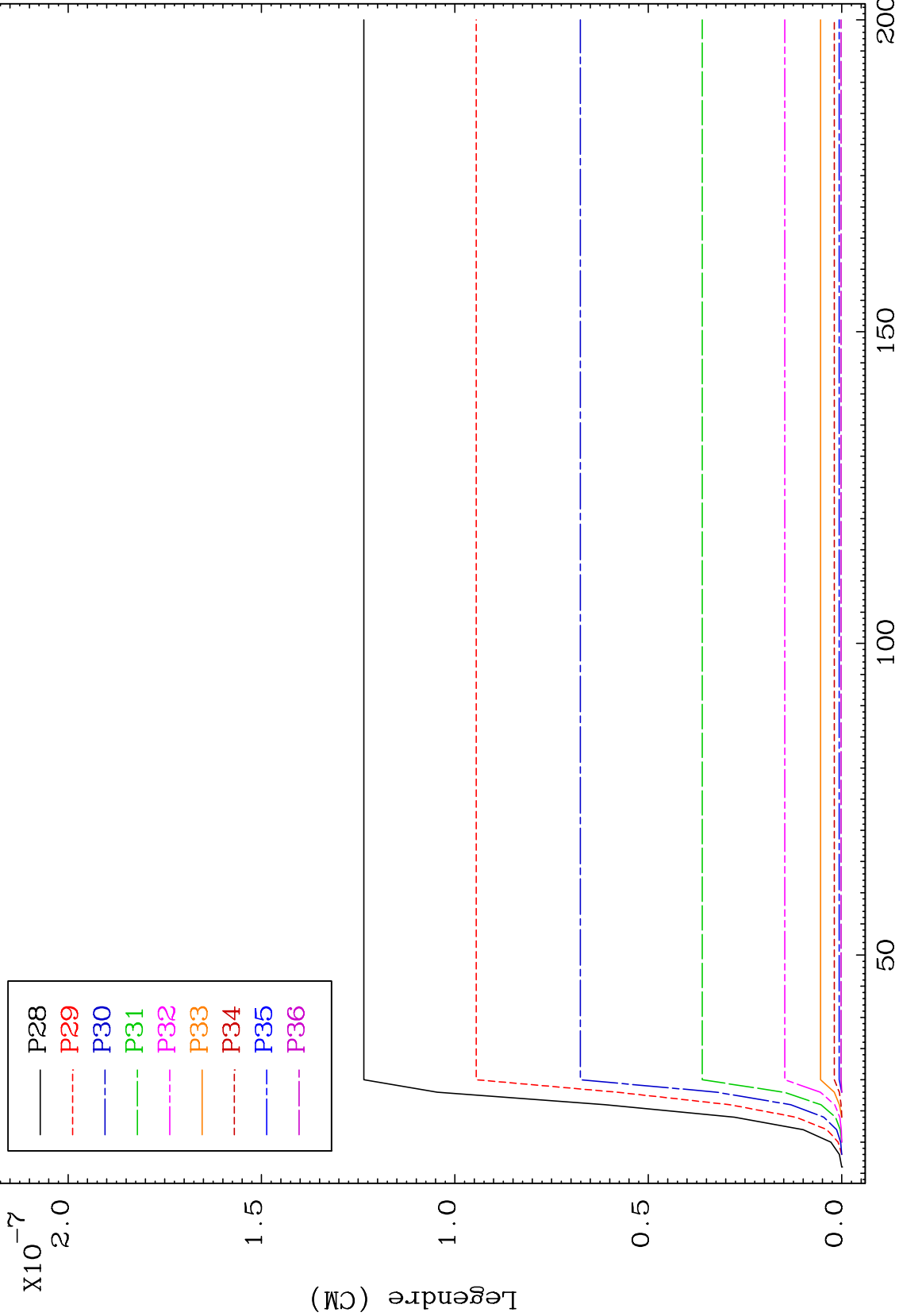
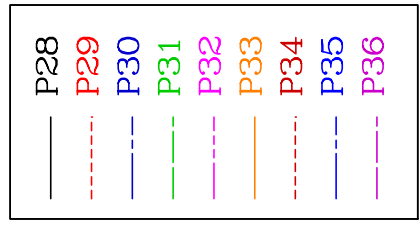
82-Pb-193



MAT 8192

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

82-Pb-193



126

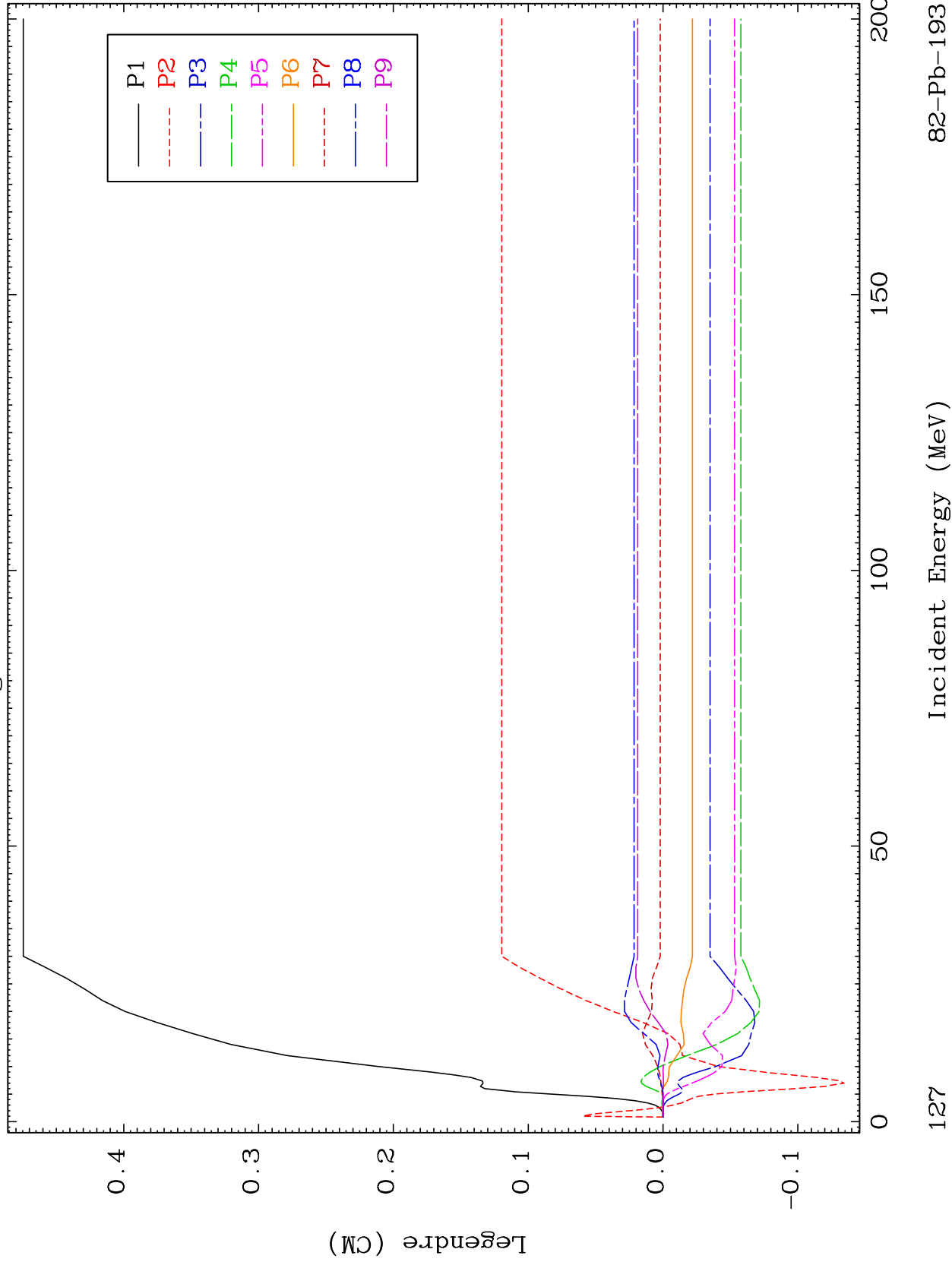
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

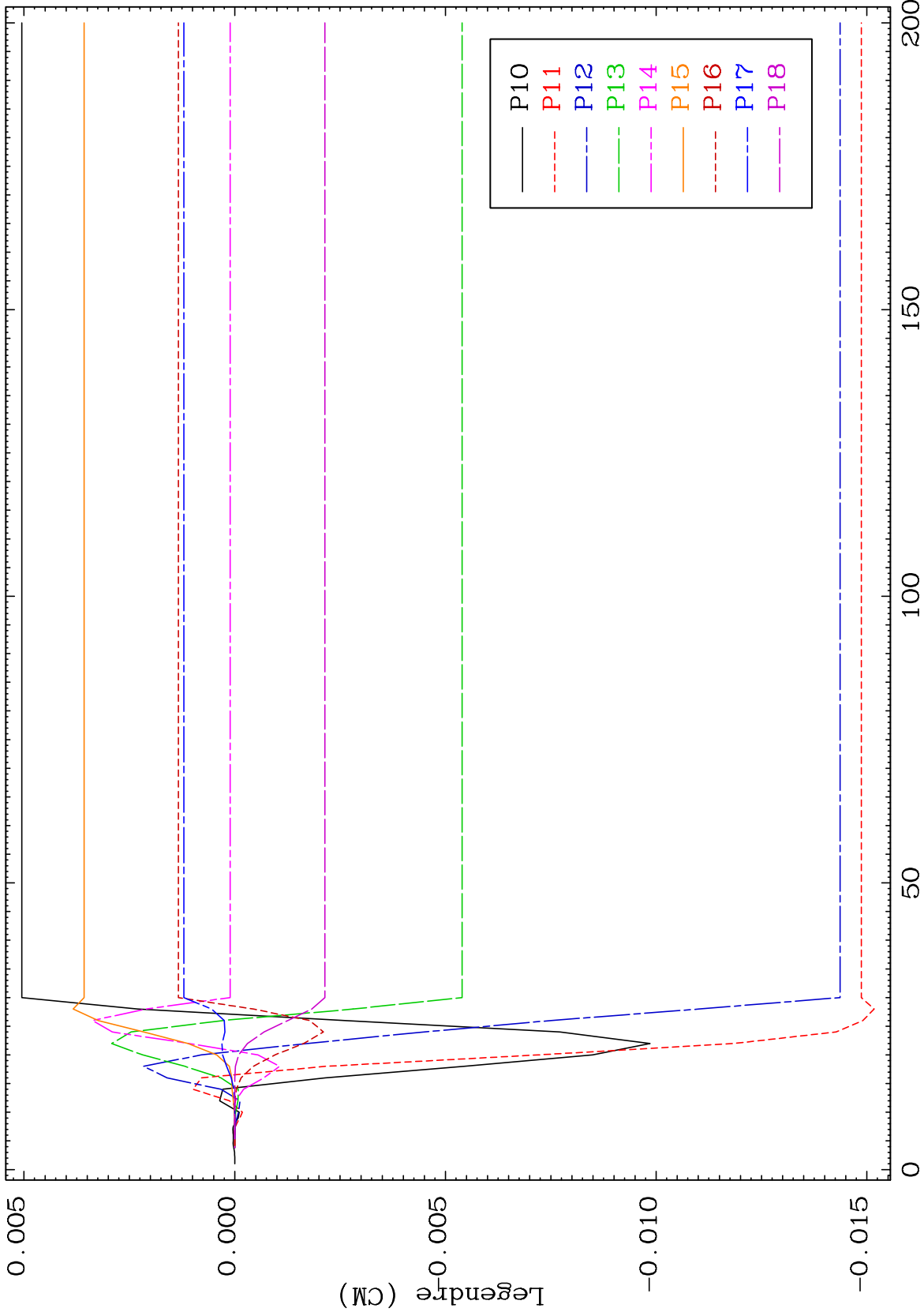
82-Pb-193

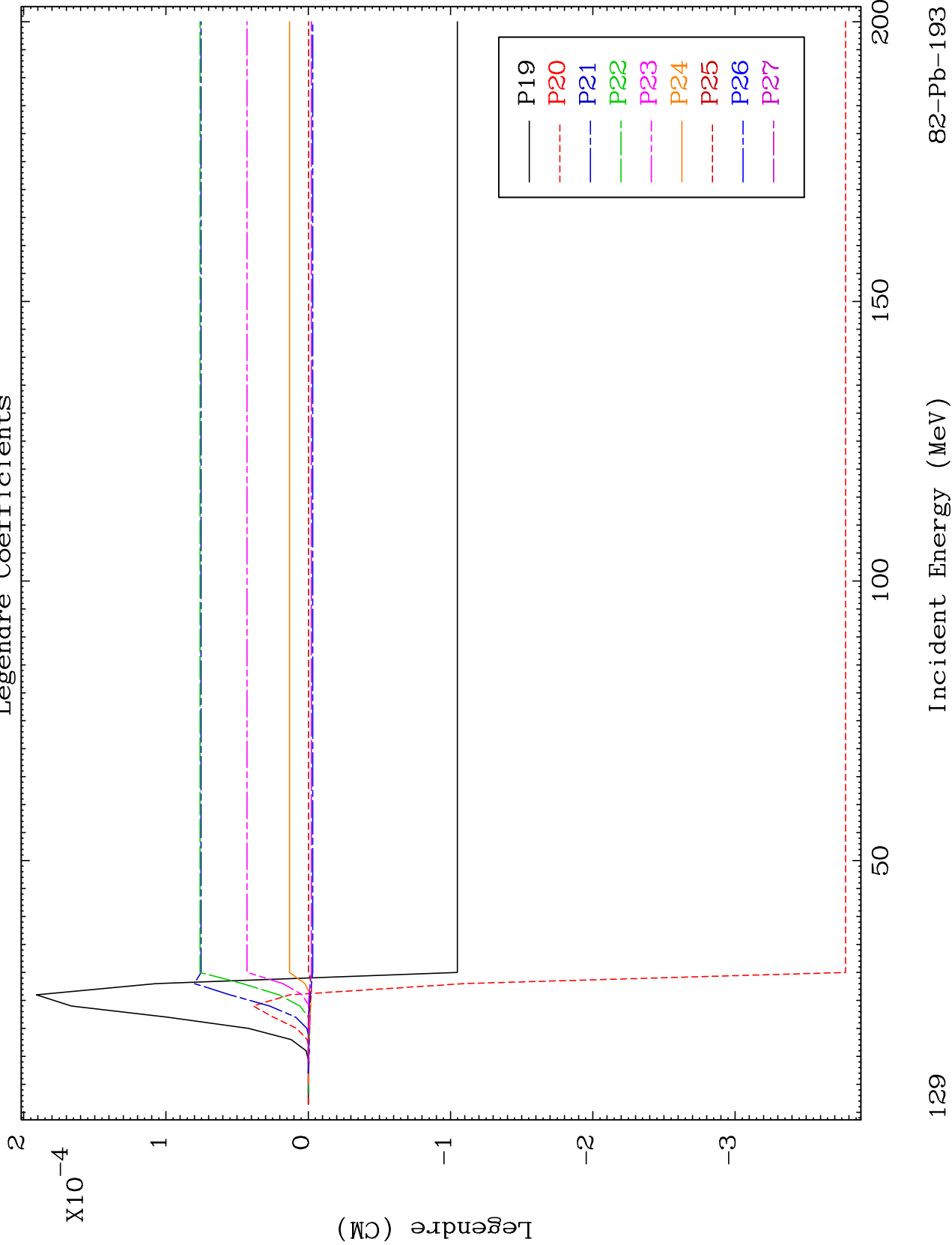


82-Pb-193

Incident Energy (MeV)

127



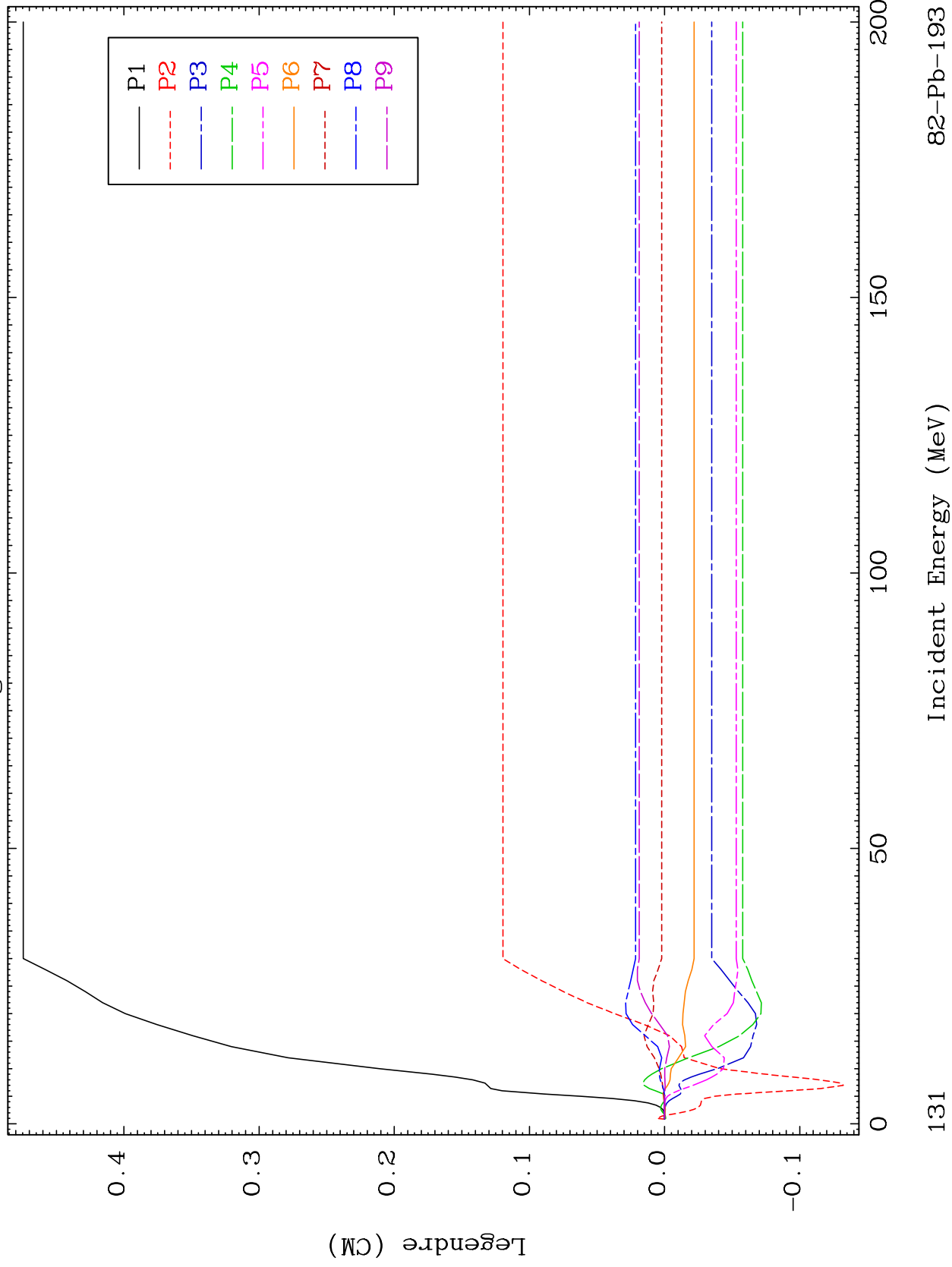




MAT 8192

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

82-Pb-193



82-Pb-193

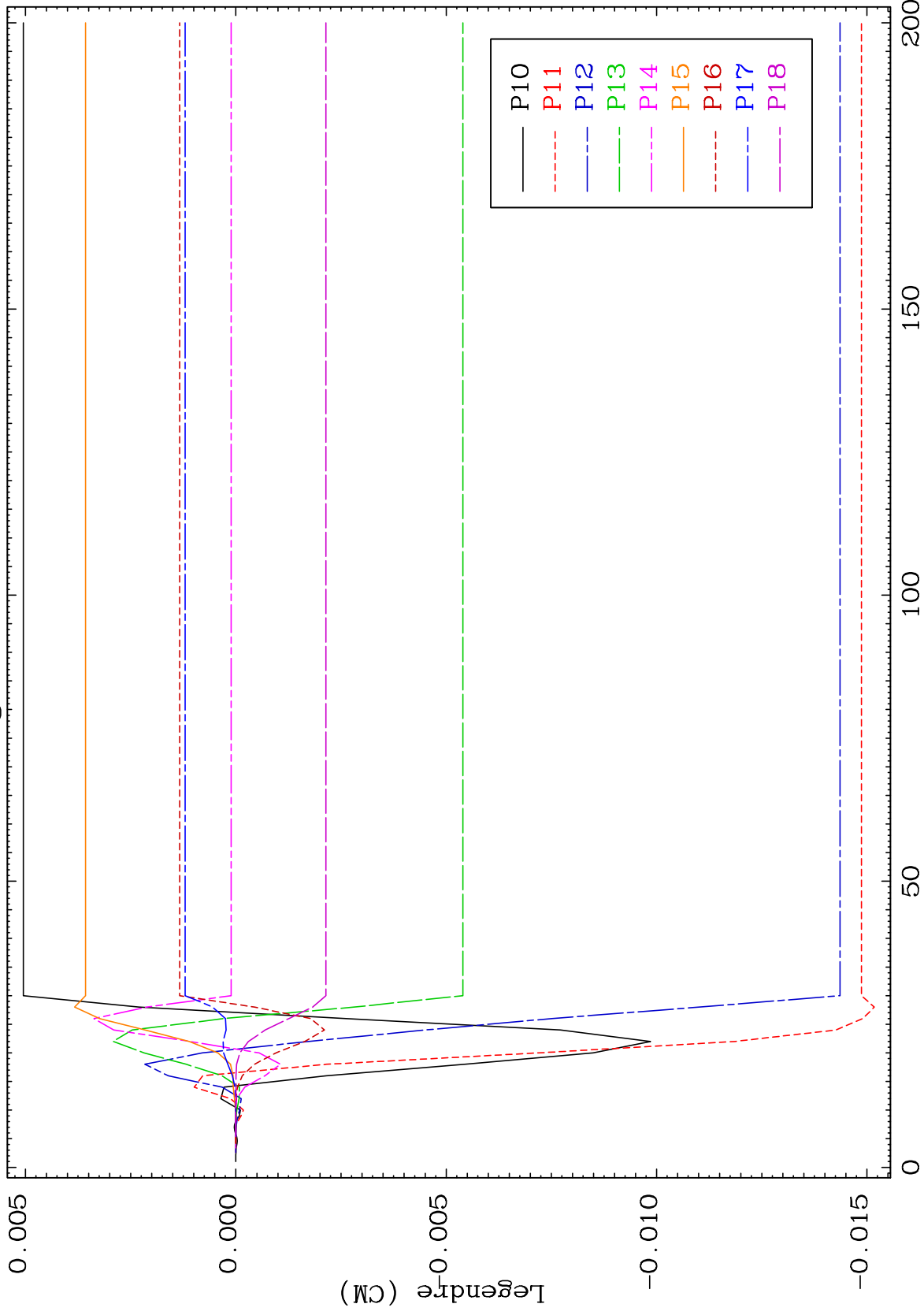
Incident Energy (MeV)

131

MAT 8192

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

82-Pb-193



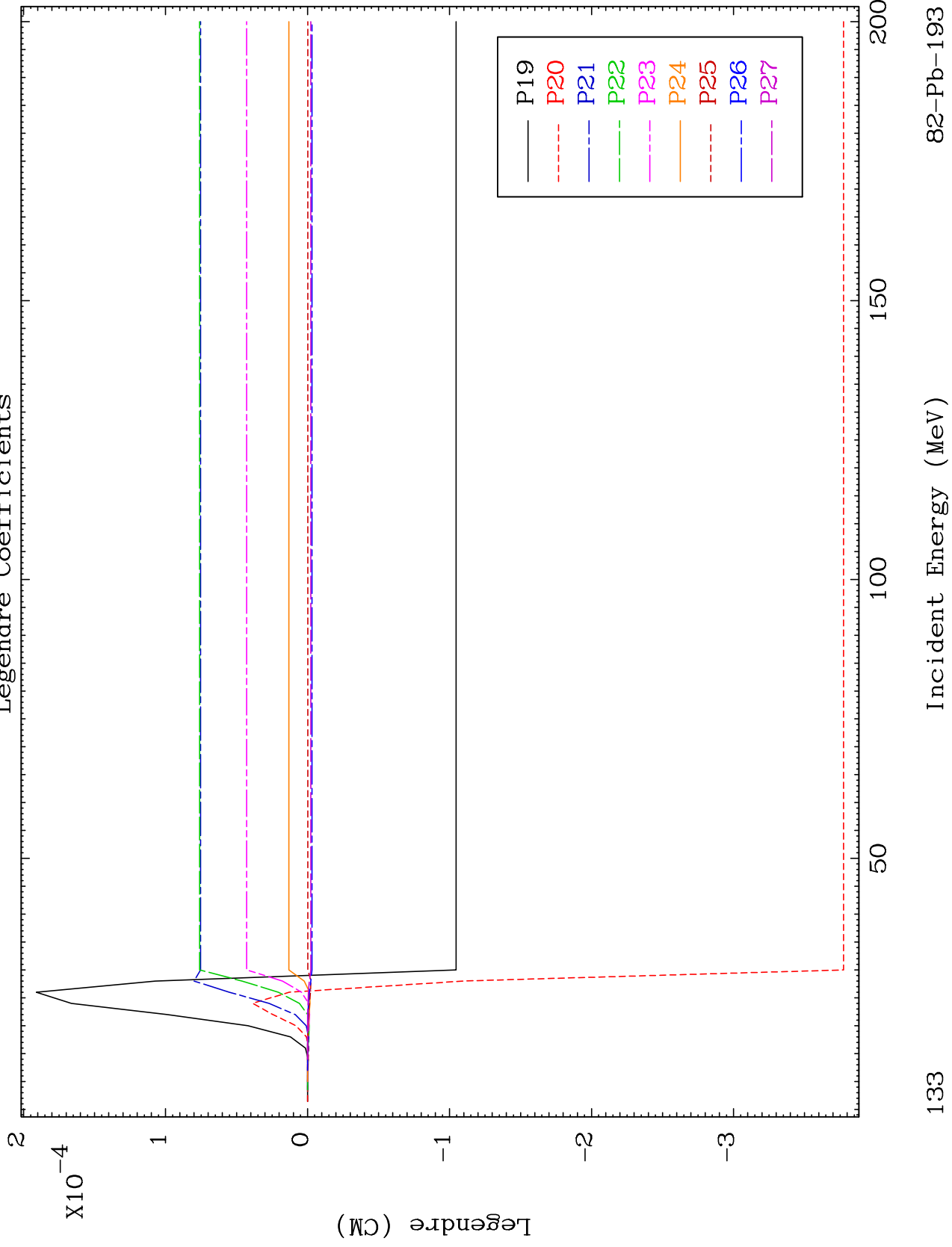
132

82-Pb-193

MAT 8192

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

82-Pb-193



133

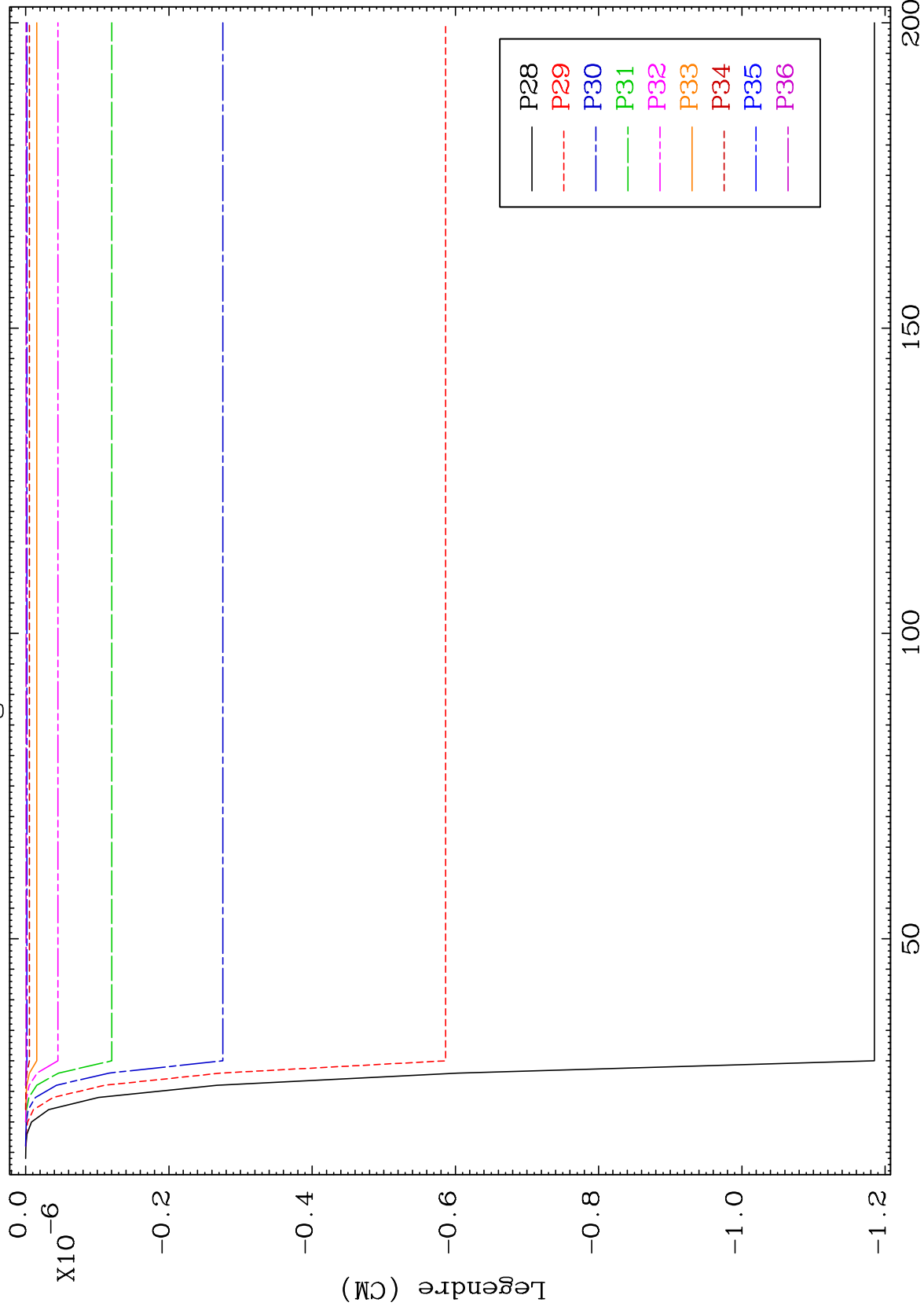
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

82-Pb-193



82-Pb-193

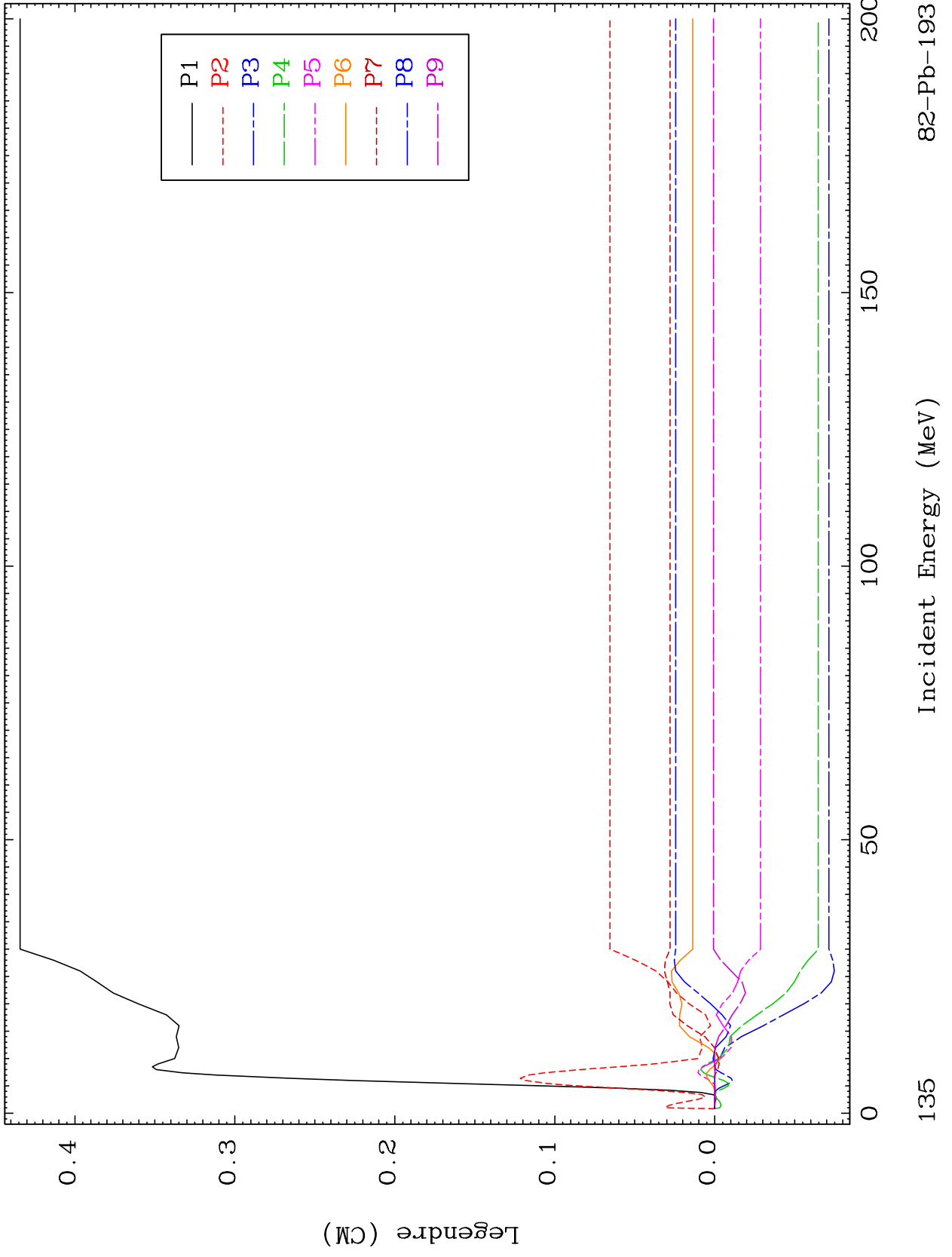
Incident Energy (MeV)

134

MAT 8192

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

82-Pb-193



82-Pb-193

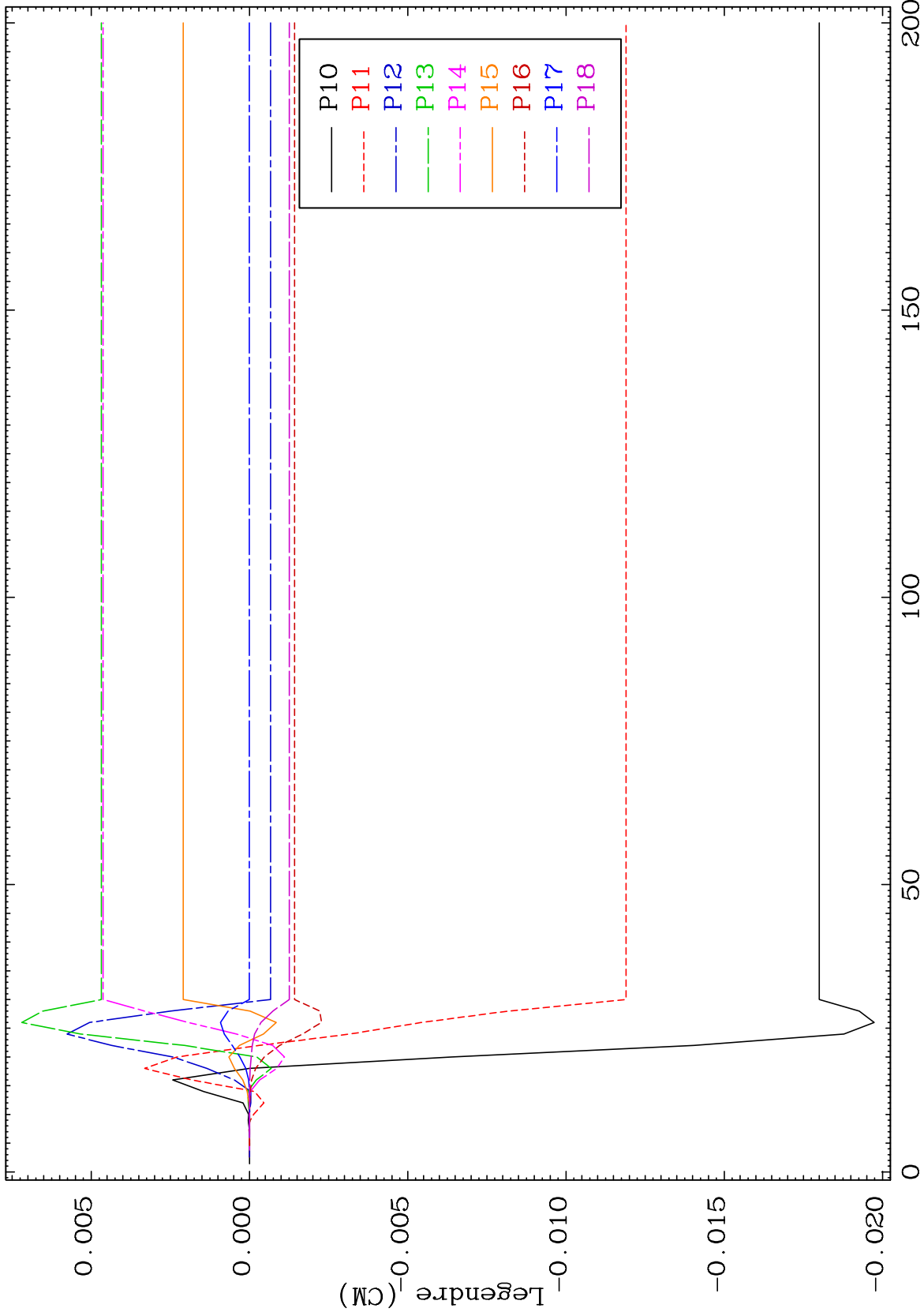
Incident Energy (MeV)

135

MAT 8192

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

82-Pb-193



136

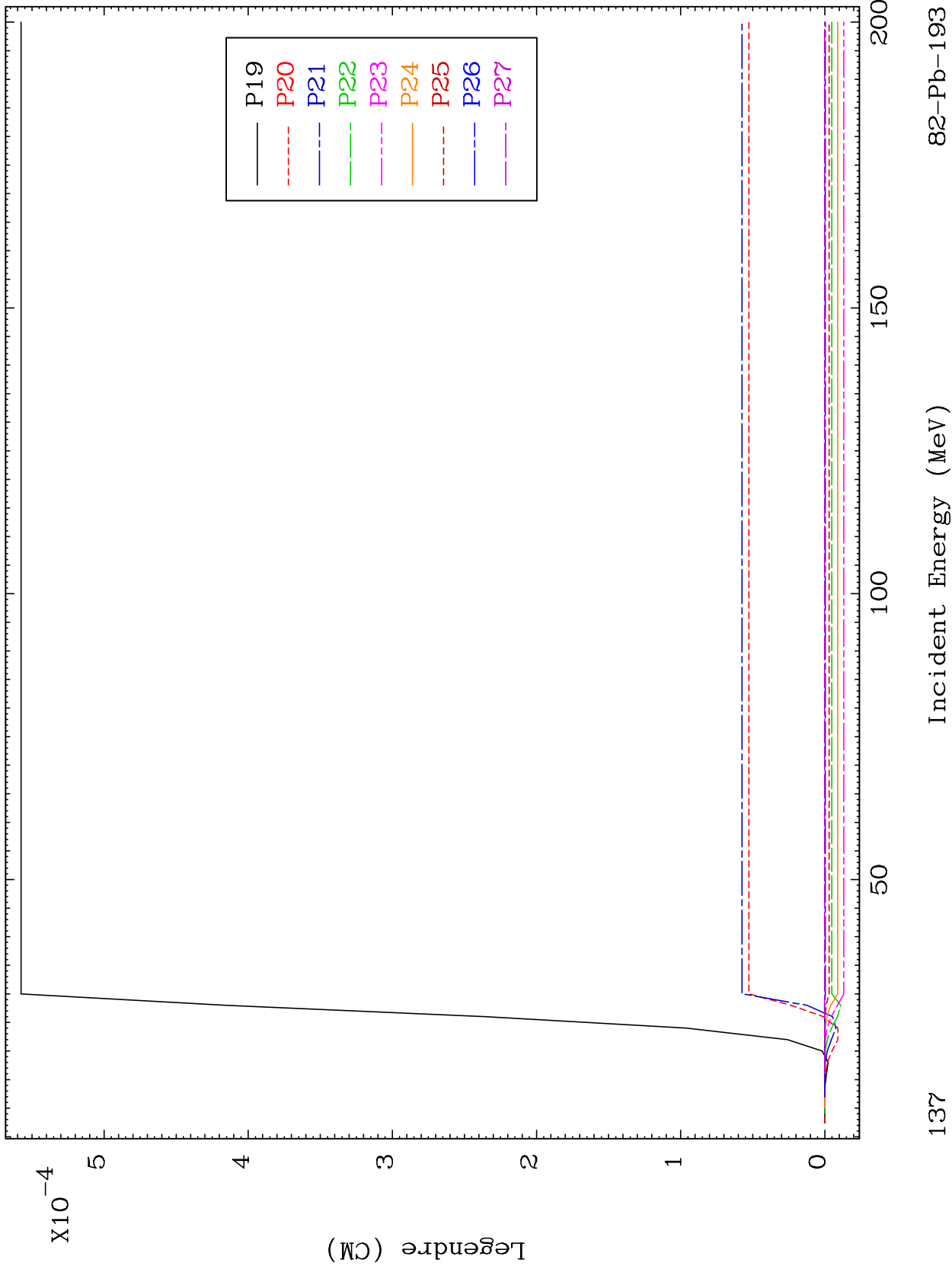
Incident Energy (MeV)

82-Pb-193

MAT 8192

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

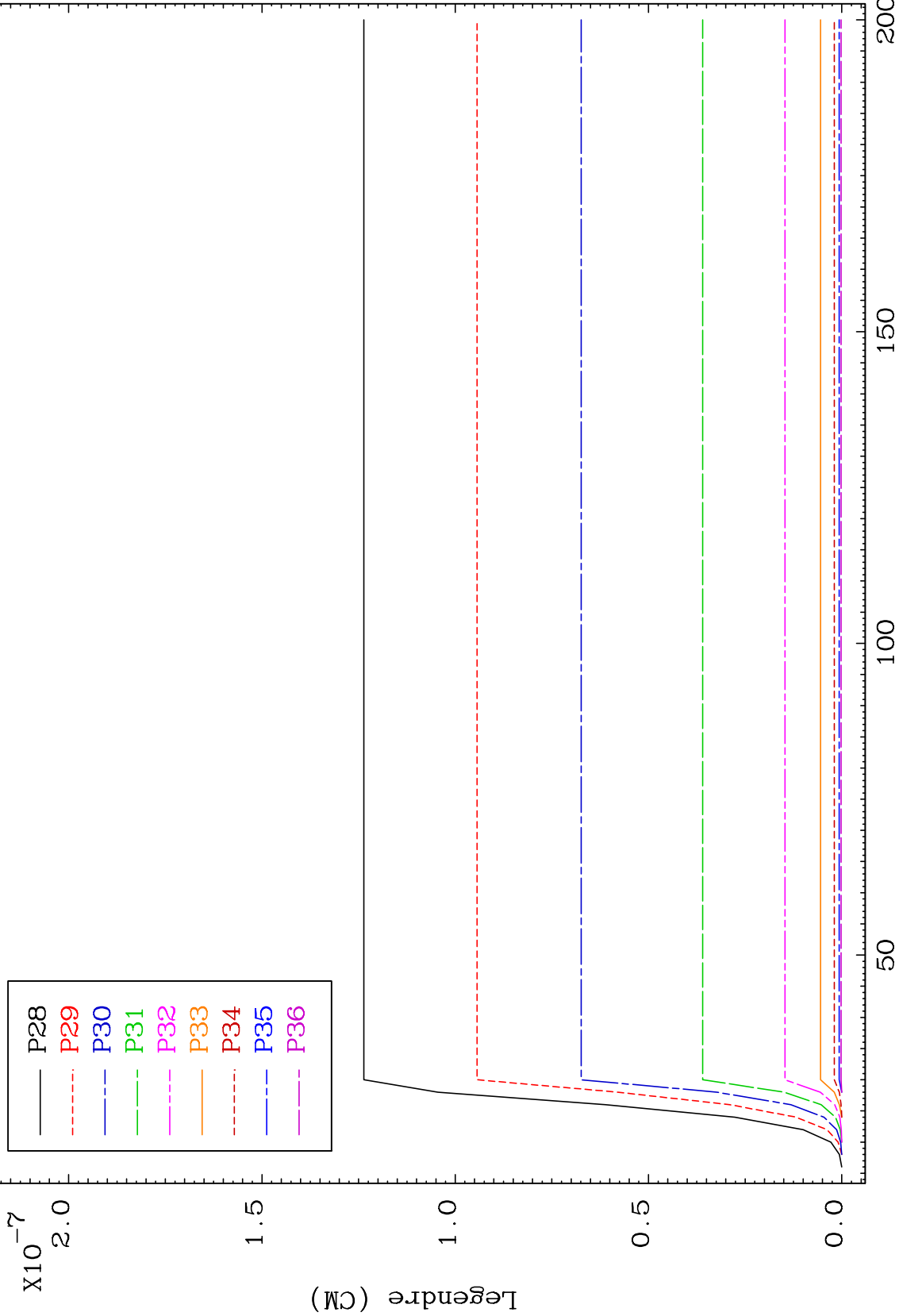
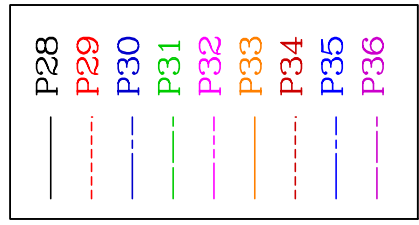
82-Pb-193



MAT 8192

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

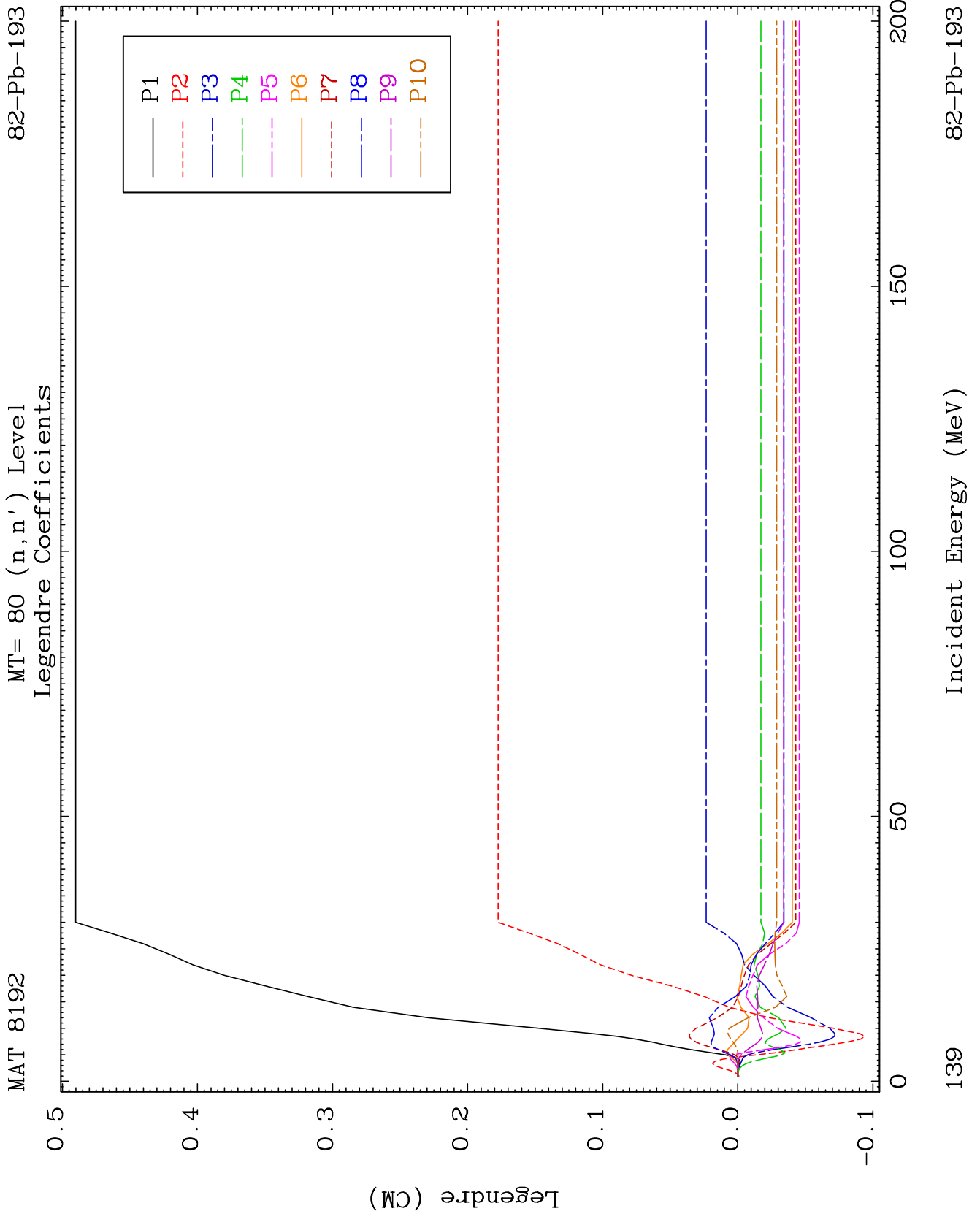
82-Pb-193



138

Incident Energy (MeV)

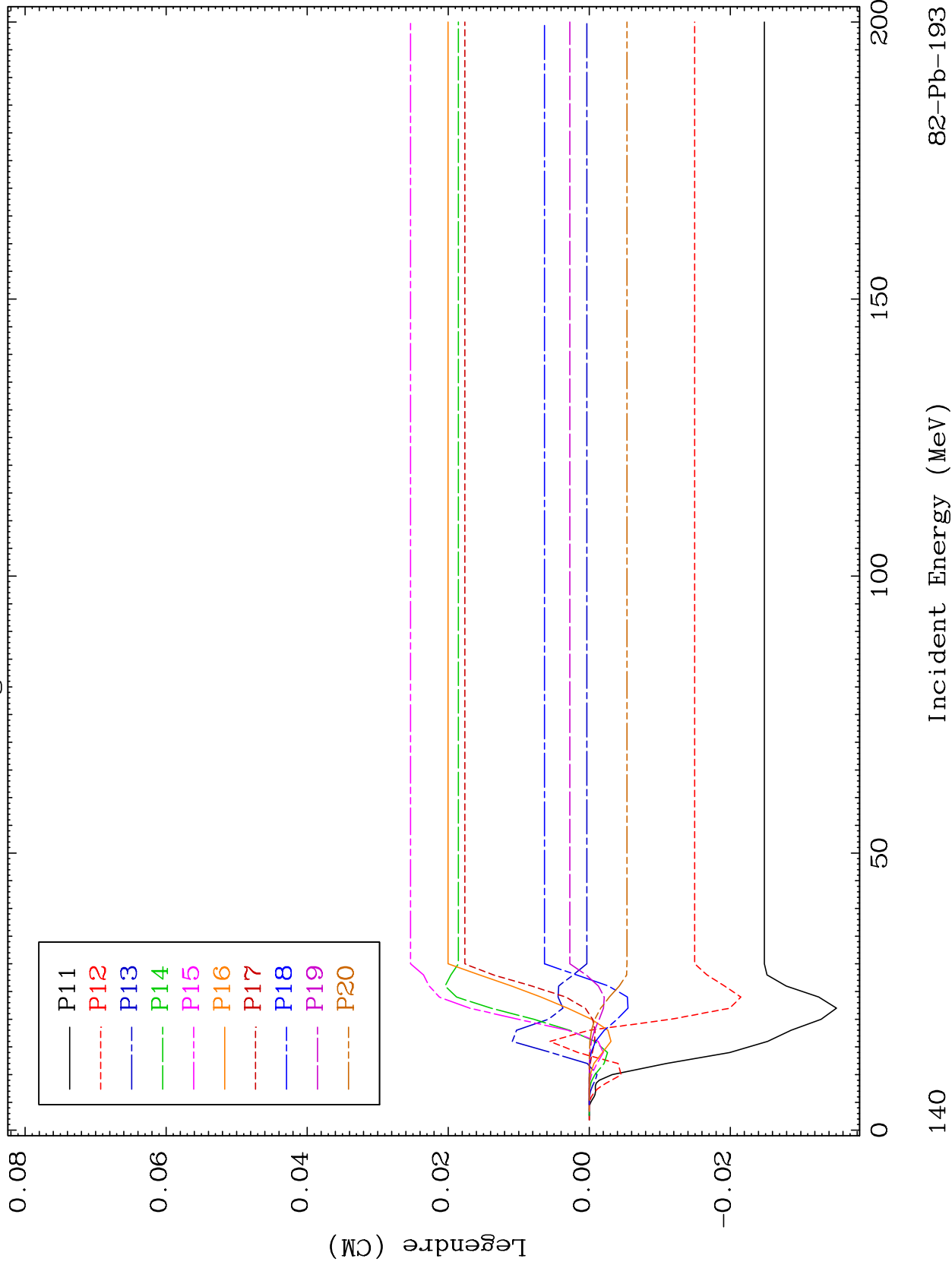
82-Pb-193



MAT 8192

MT= 80 (n,n') Level  
Legendre Coefficients

82-Pb-193

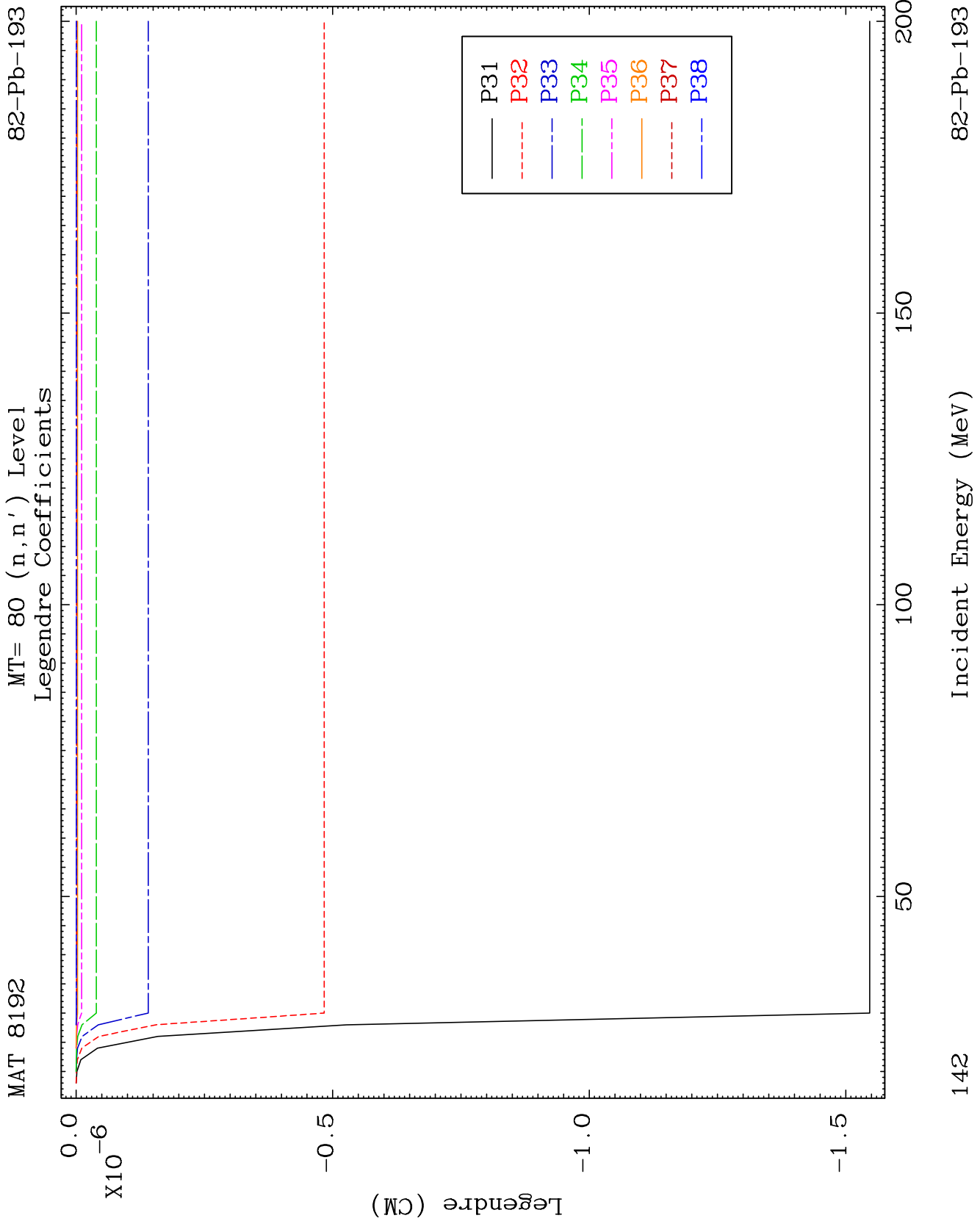


82-Pb-193

Incident Energy (MeV)

140

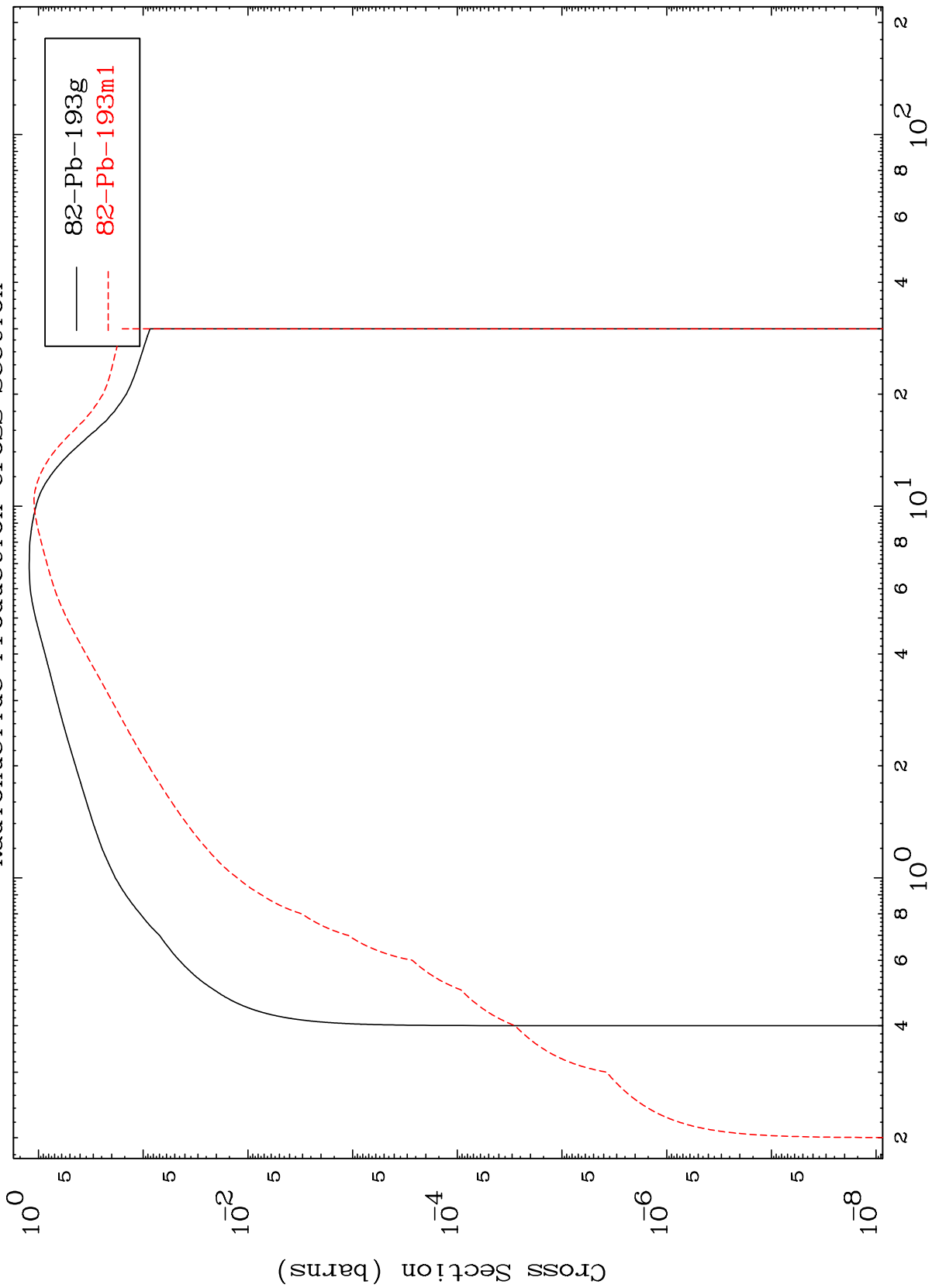




MAT 8192

82-Pb-193

Inelastic  
Radionuclide Production Cross Section



82-Pb-193

Incident Energy (MeV)

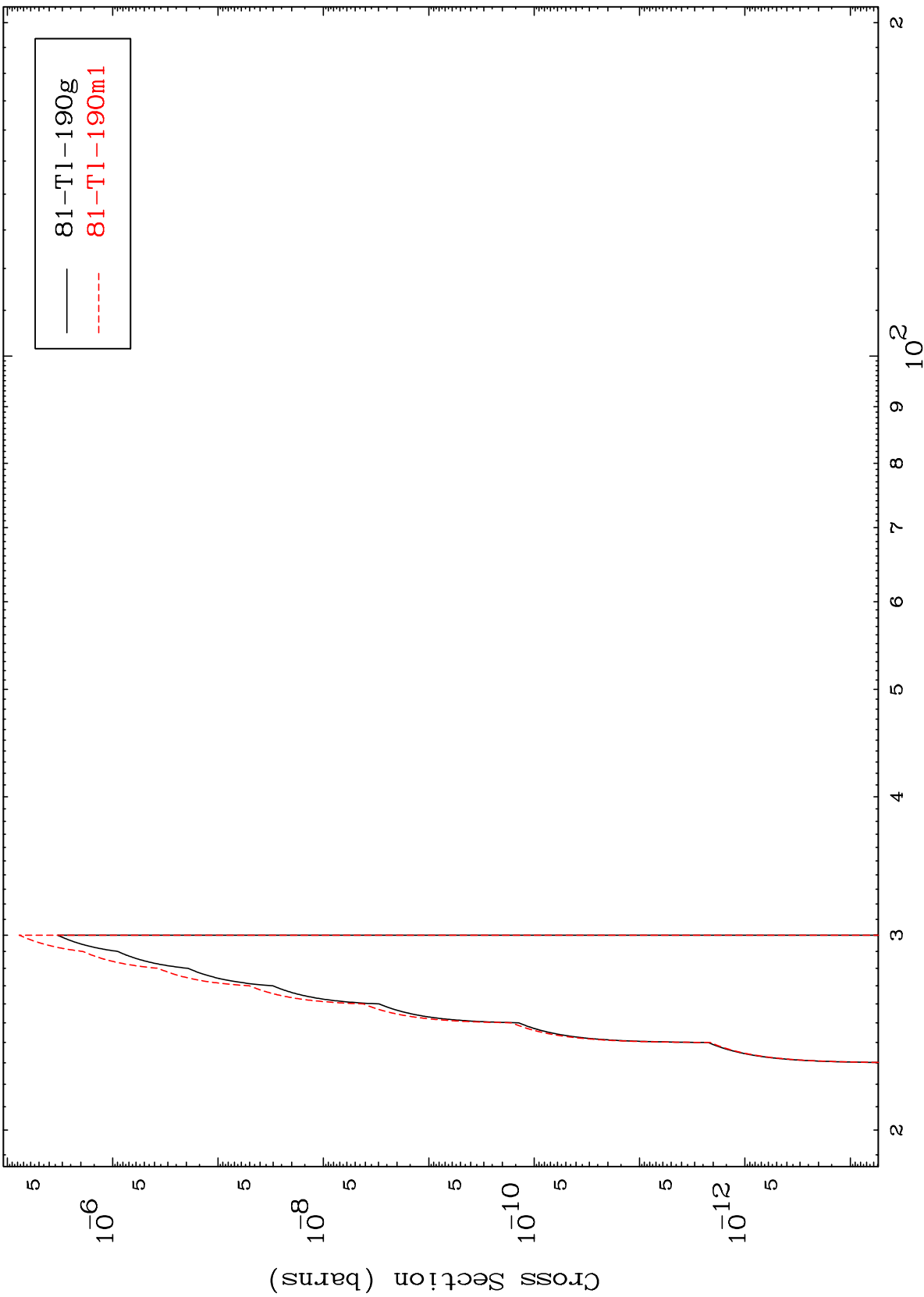
143

MAT 8192

(n,2n) d

82-Pb-193

Radionuclide Production Cross Section

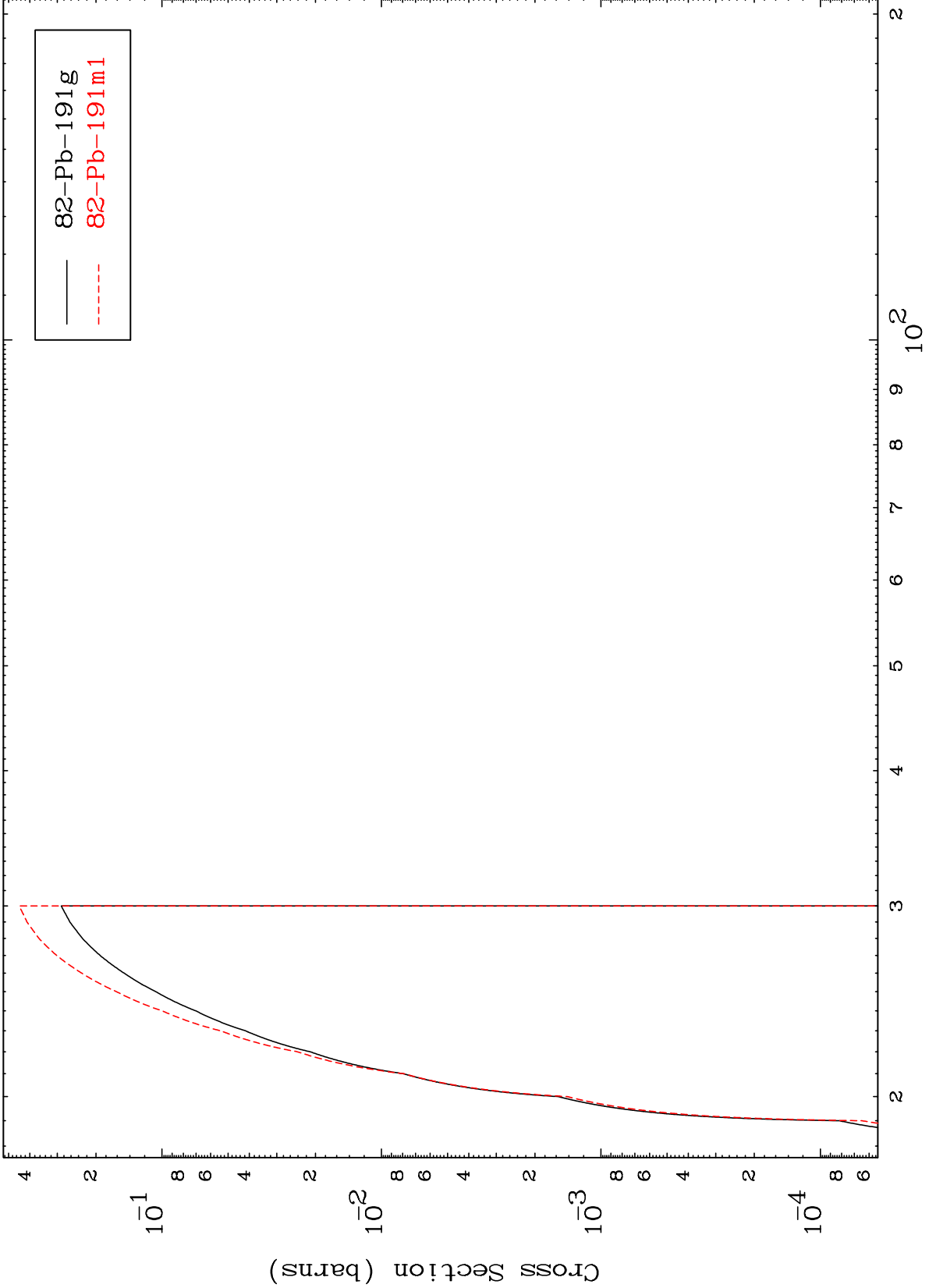


144

Incident Energy (MeV)

82-Pb-193

Radionuclide Production Cross Section

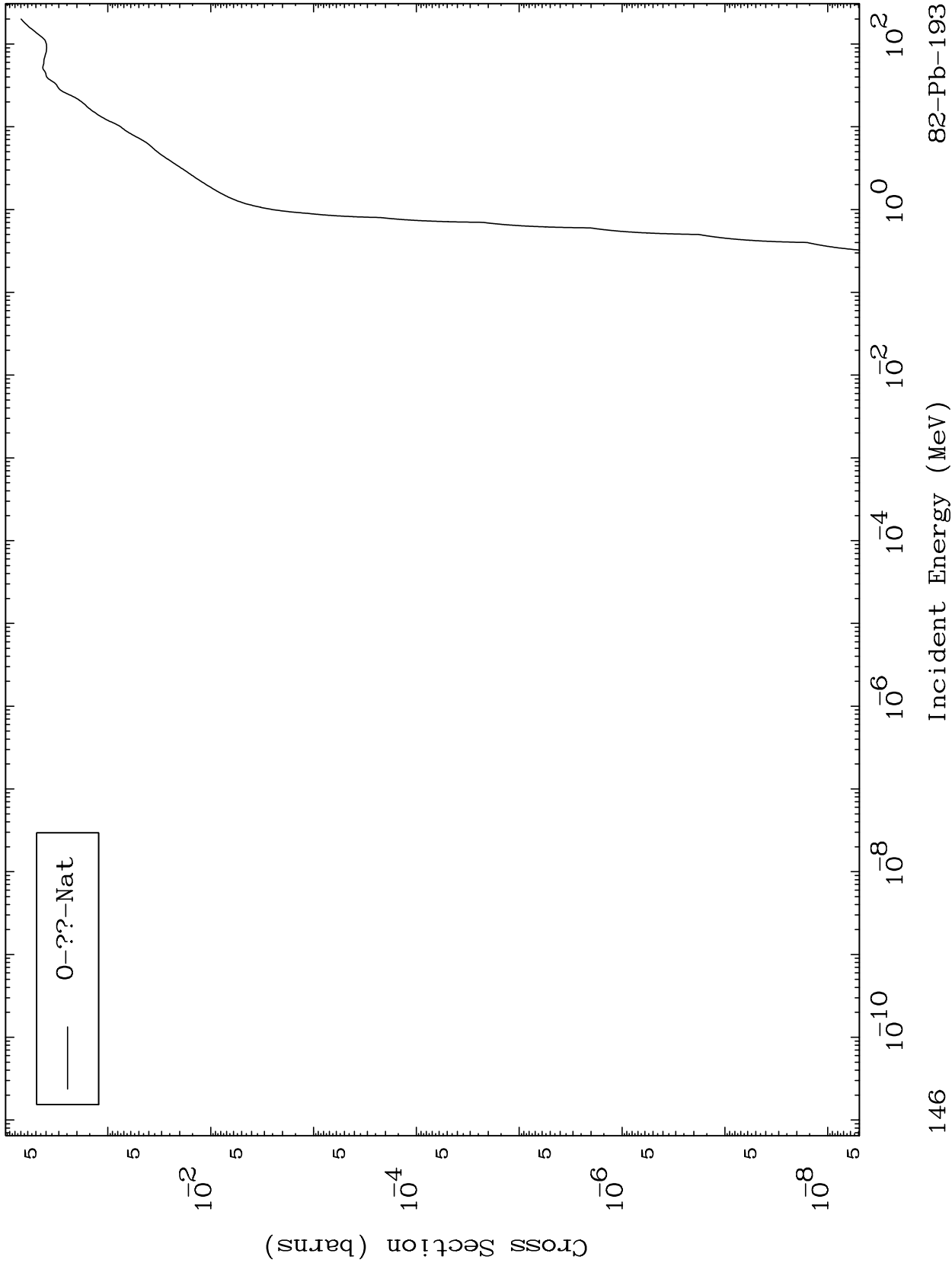


MAT 8192

Fission

82-Pb-193

Radionuclide Production Cross Section

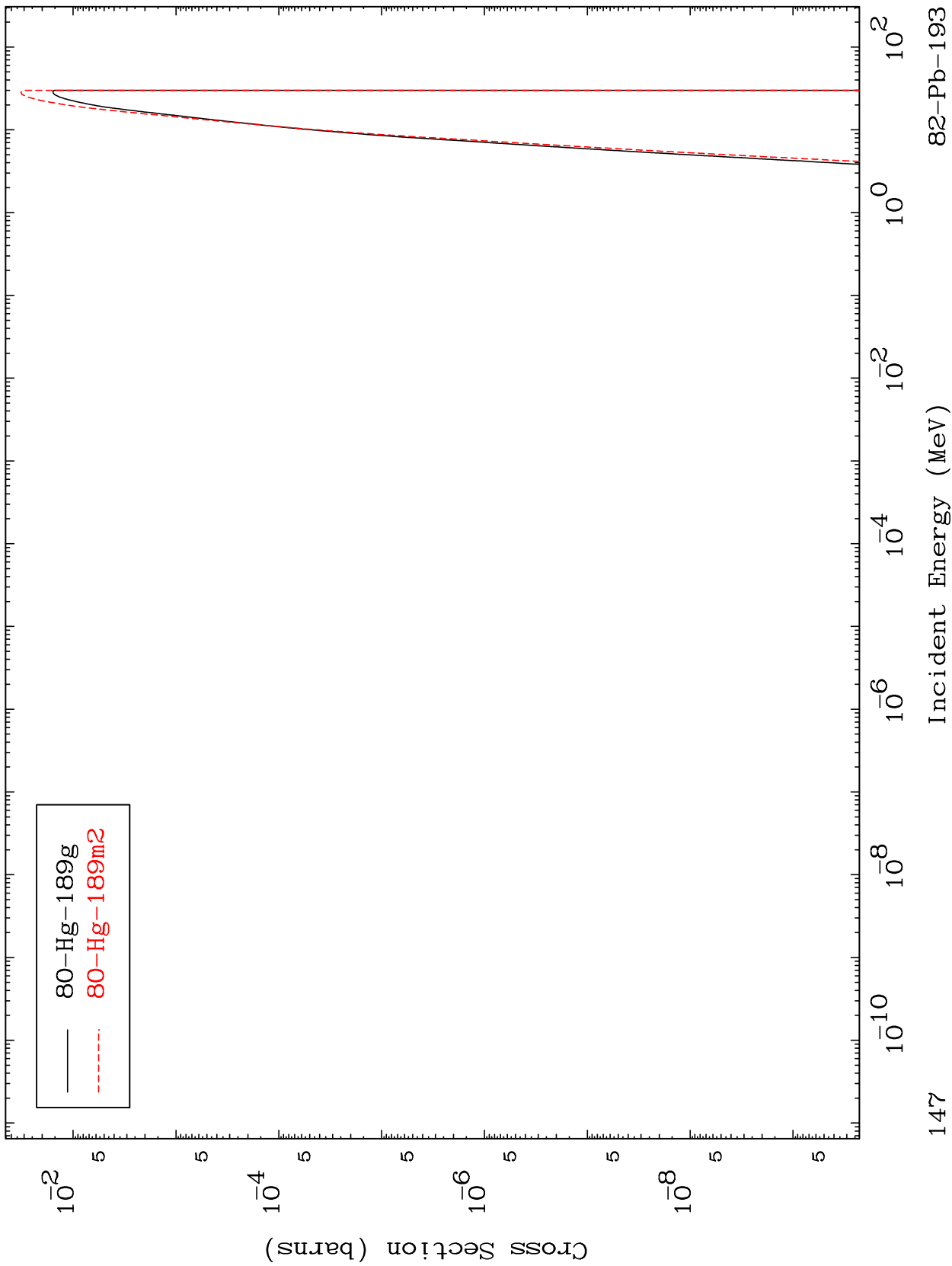


MAT 8192

$(n, n') \alpha$

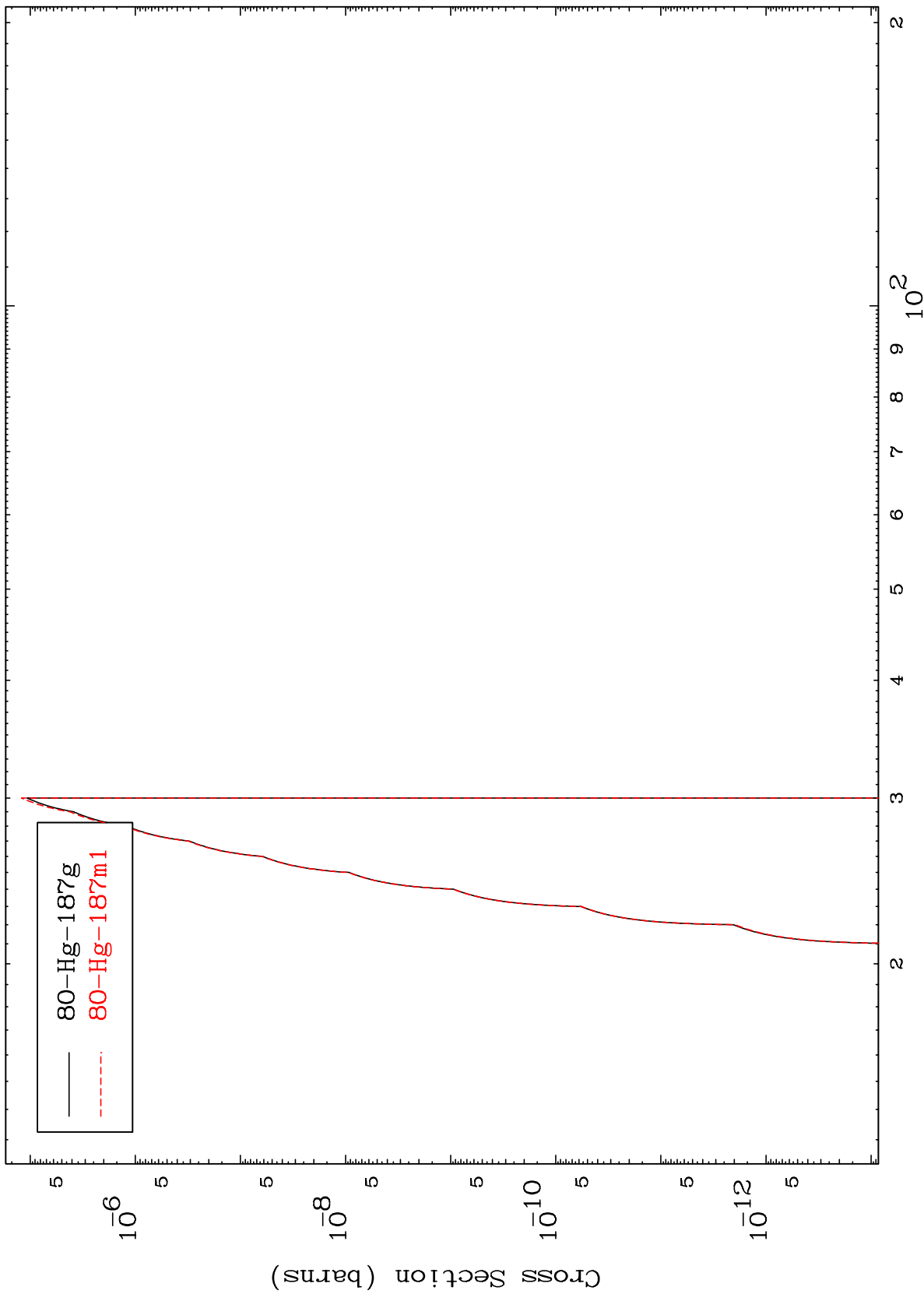
82-Pb-193

Radionuclide Production Cross Section



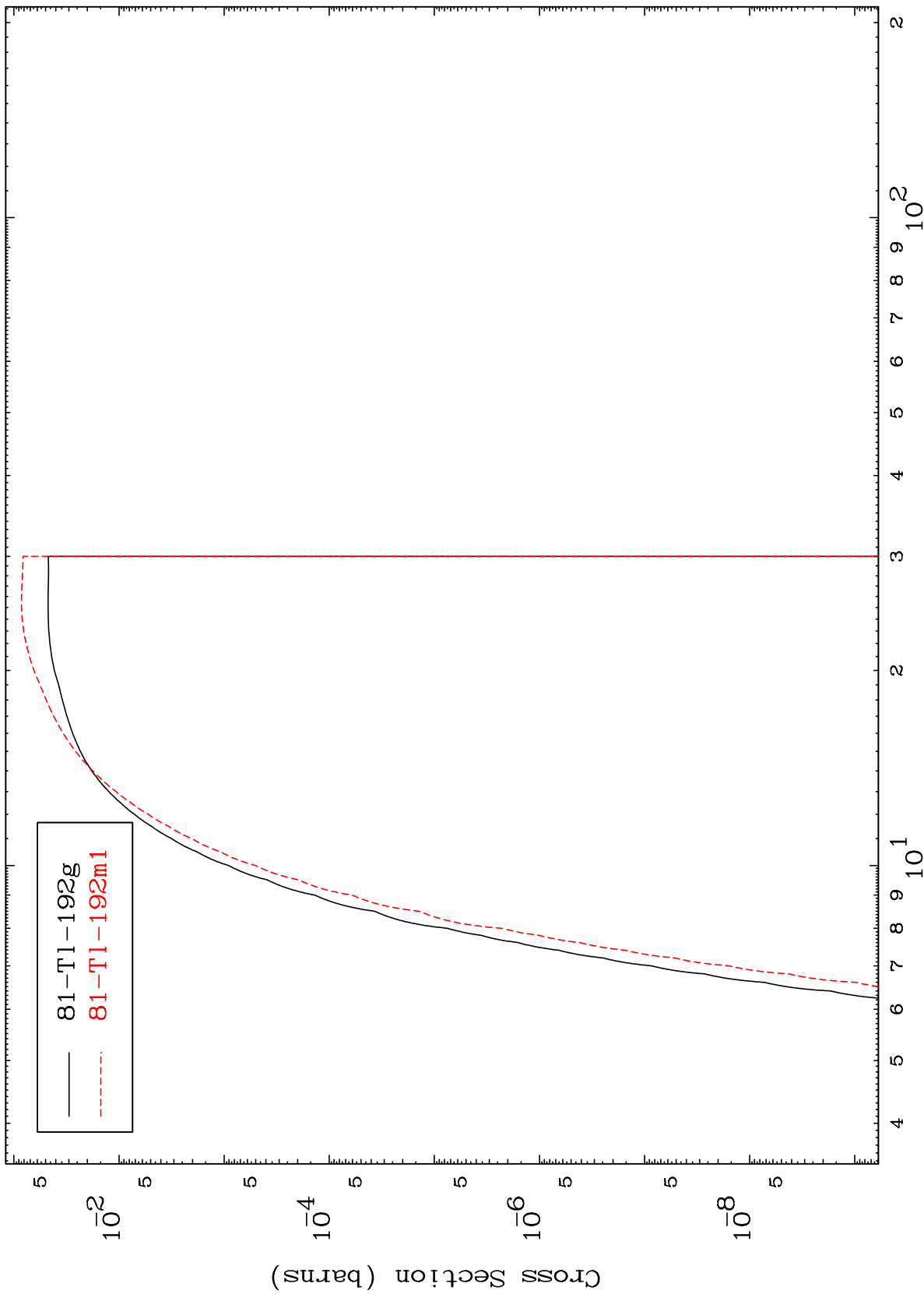
80-Hg-189g  
80-Hg-189m2

Radionuclide Production Cross Section



80-Hg-187g  
80-Hg-187m1

(n,n') p  
Radionuclide Production Cross Section

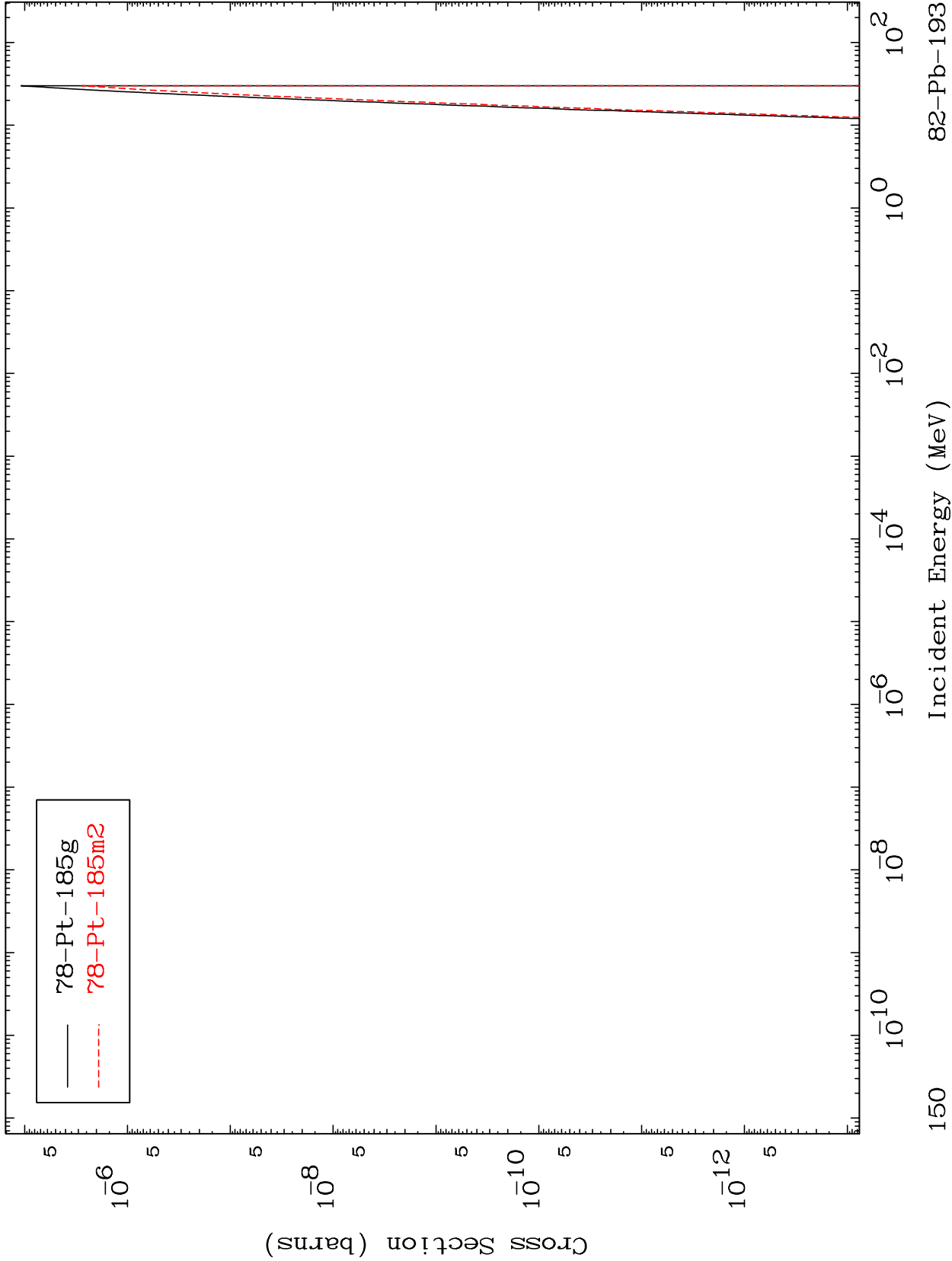


MAT 8192

(n,n') 2α

82-Pb-193

Radionuclide Production Cross Section



150

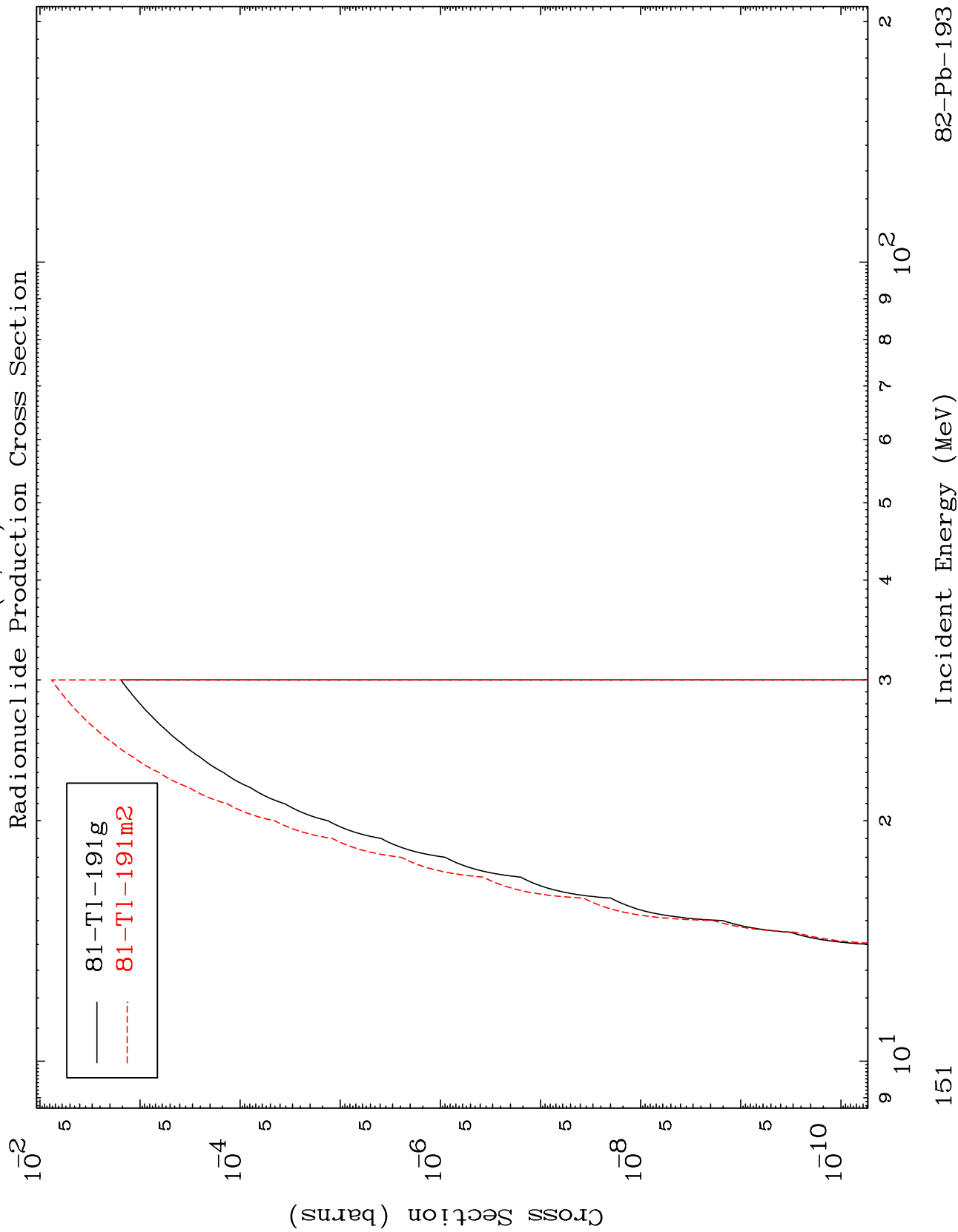
Incident Energy (MeV)

82-Pb-193

MAT 8192

(n,n') d

82-Pb-193

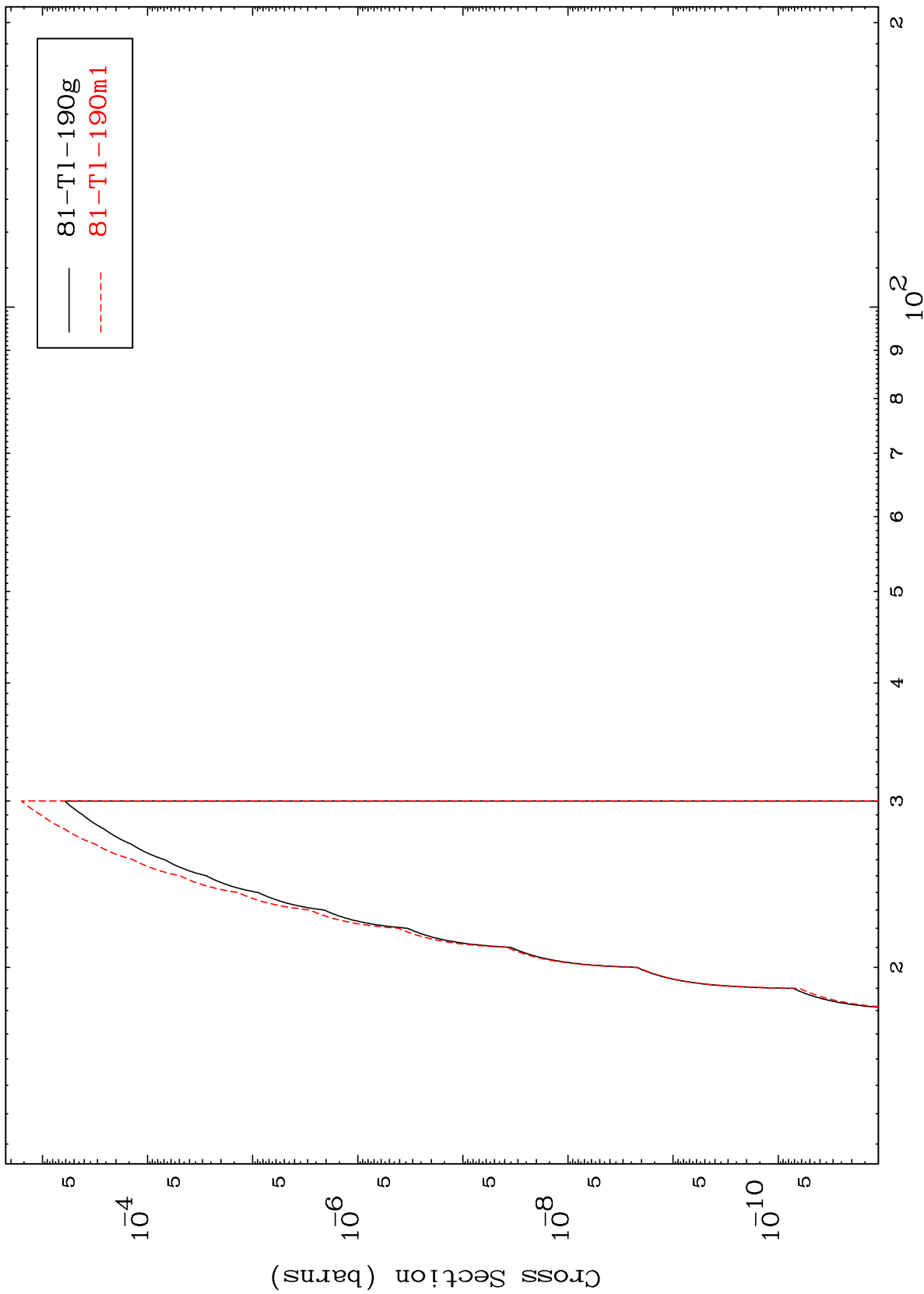


151

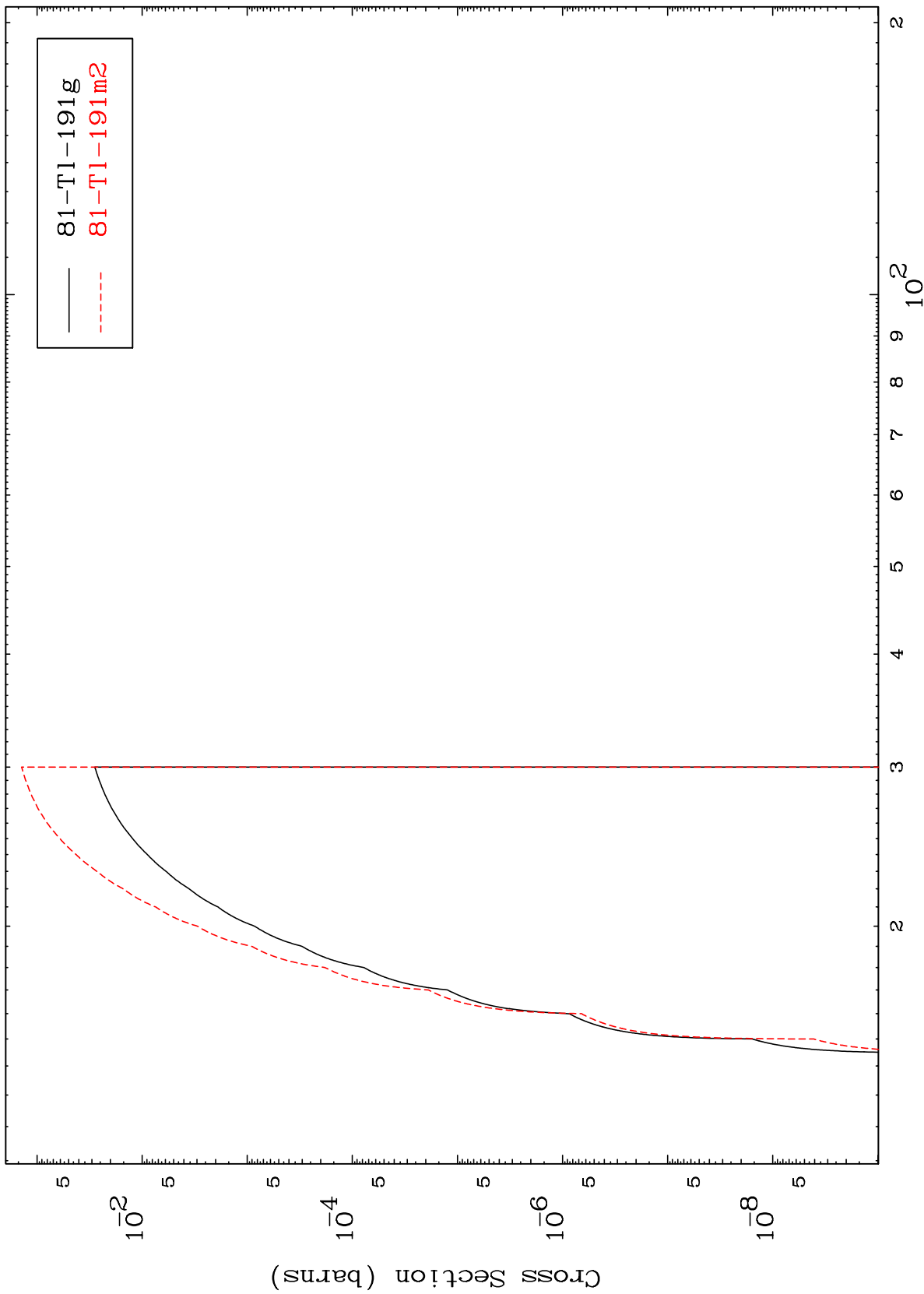
Incident Energy (MeV)

82-Pb-193

Radionuclide Production Cross Section

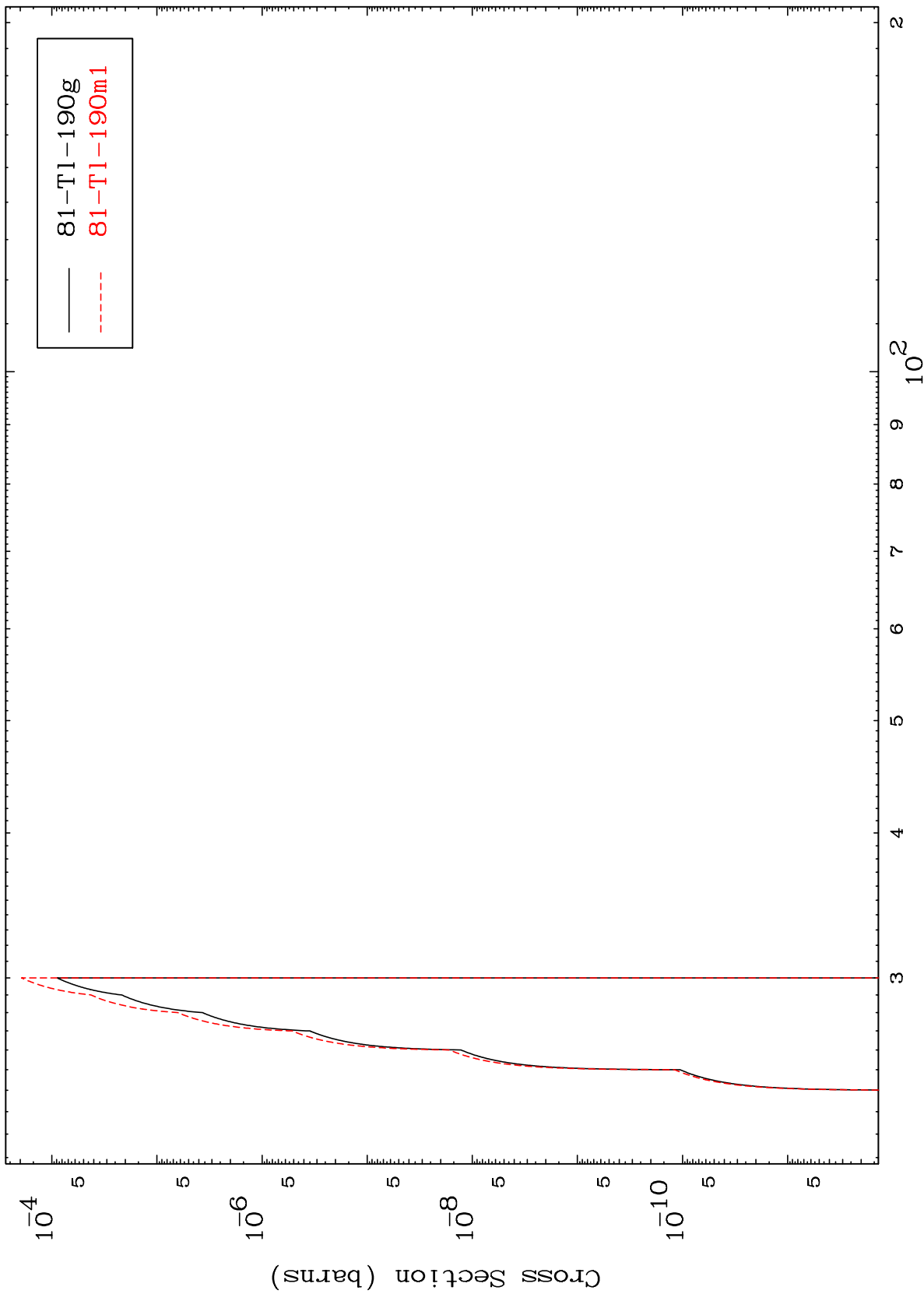


Radionuclide Production Cross Section



81-Tl-191g  
81-Tl-191m2

Radionuclide Production Cross Section

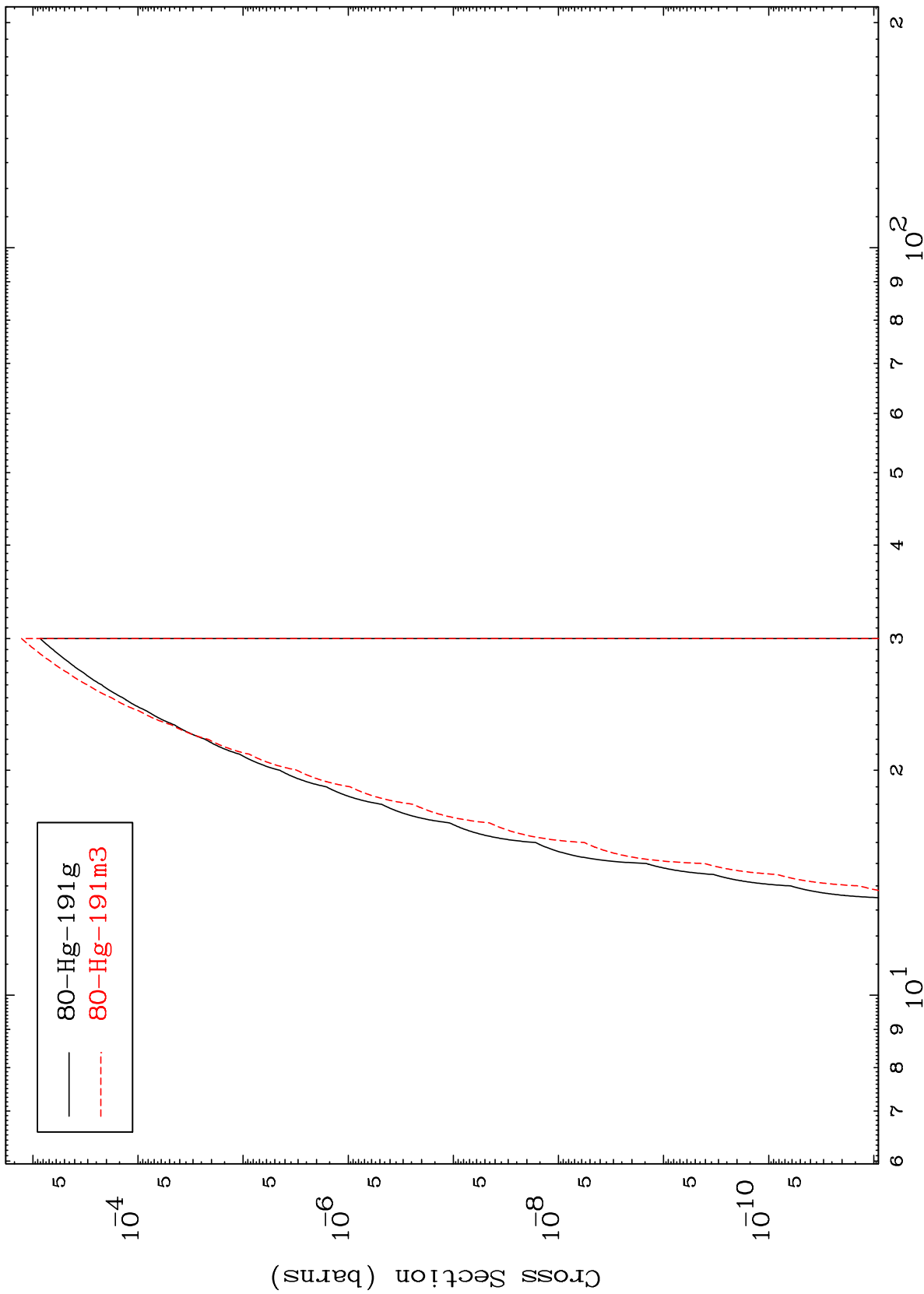


MAT 8192

(n,2n) p

82-Pb-193

Radionuclide Production Cross Section

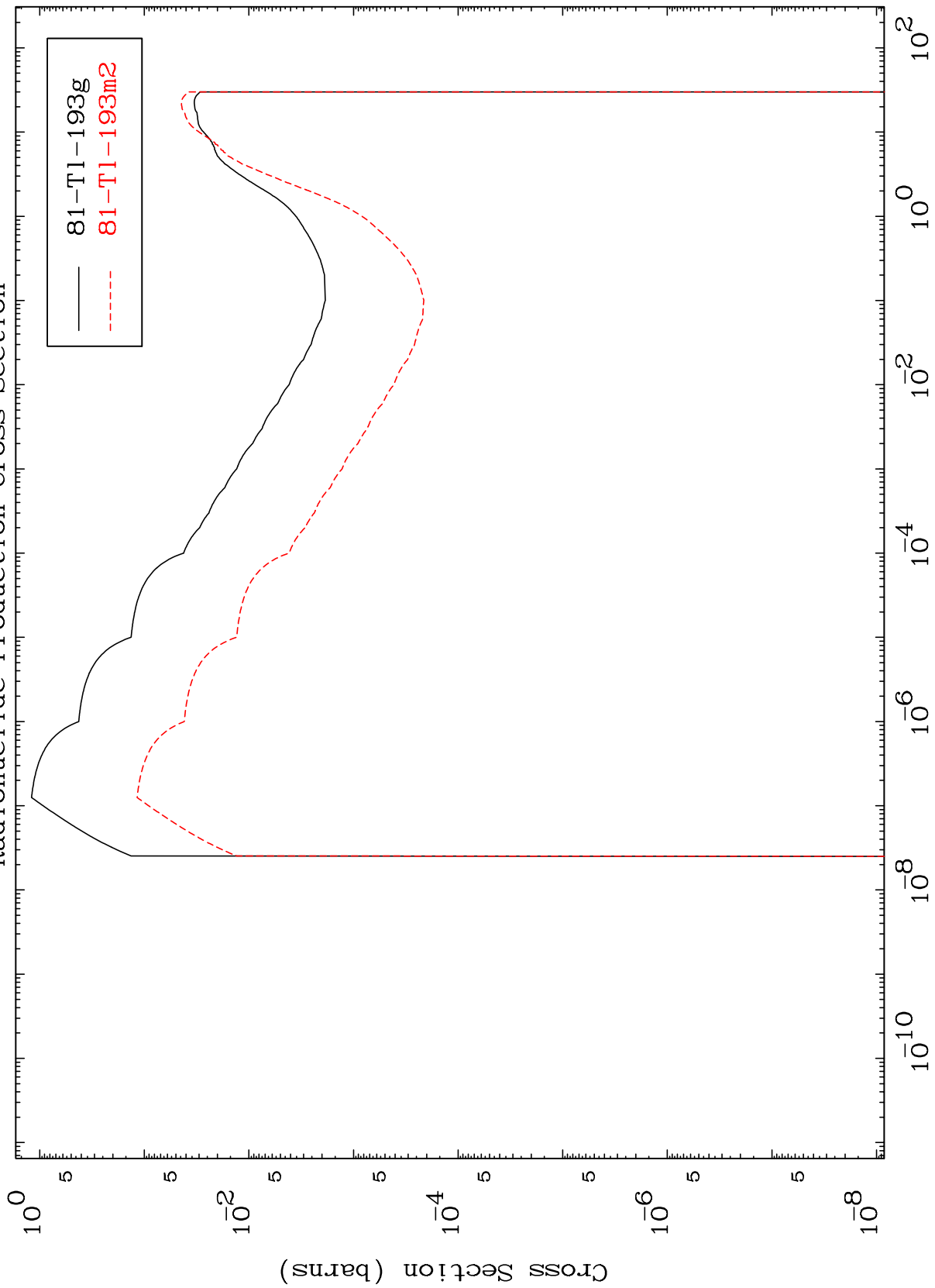


155

Incident Energy (MeV)

82-Pb-193

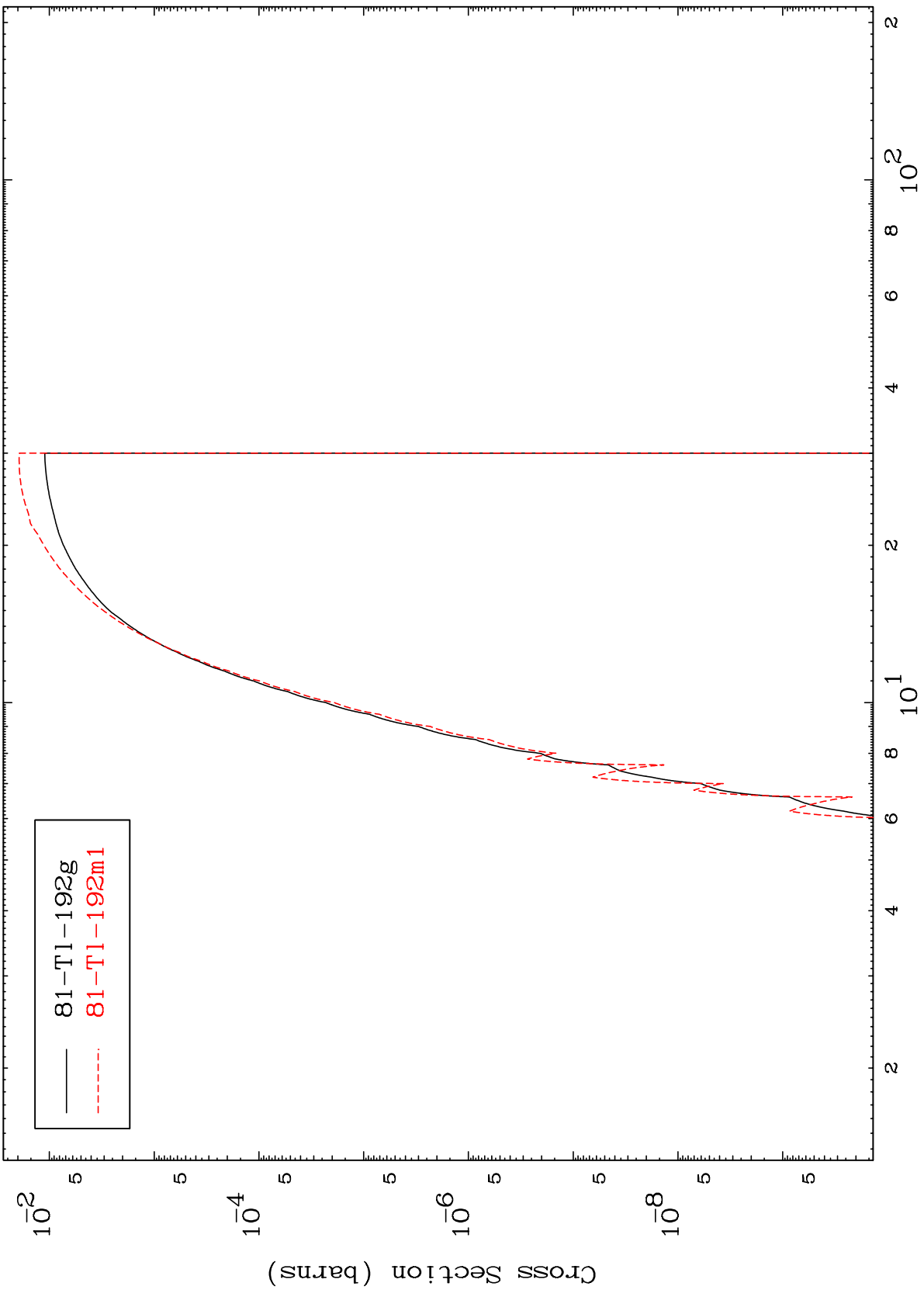
(n,p)  
Radionuclide Production Cross Section



MAT 8192

82-Pb-193

(n,d)  
Radionuclide Production Cross Section



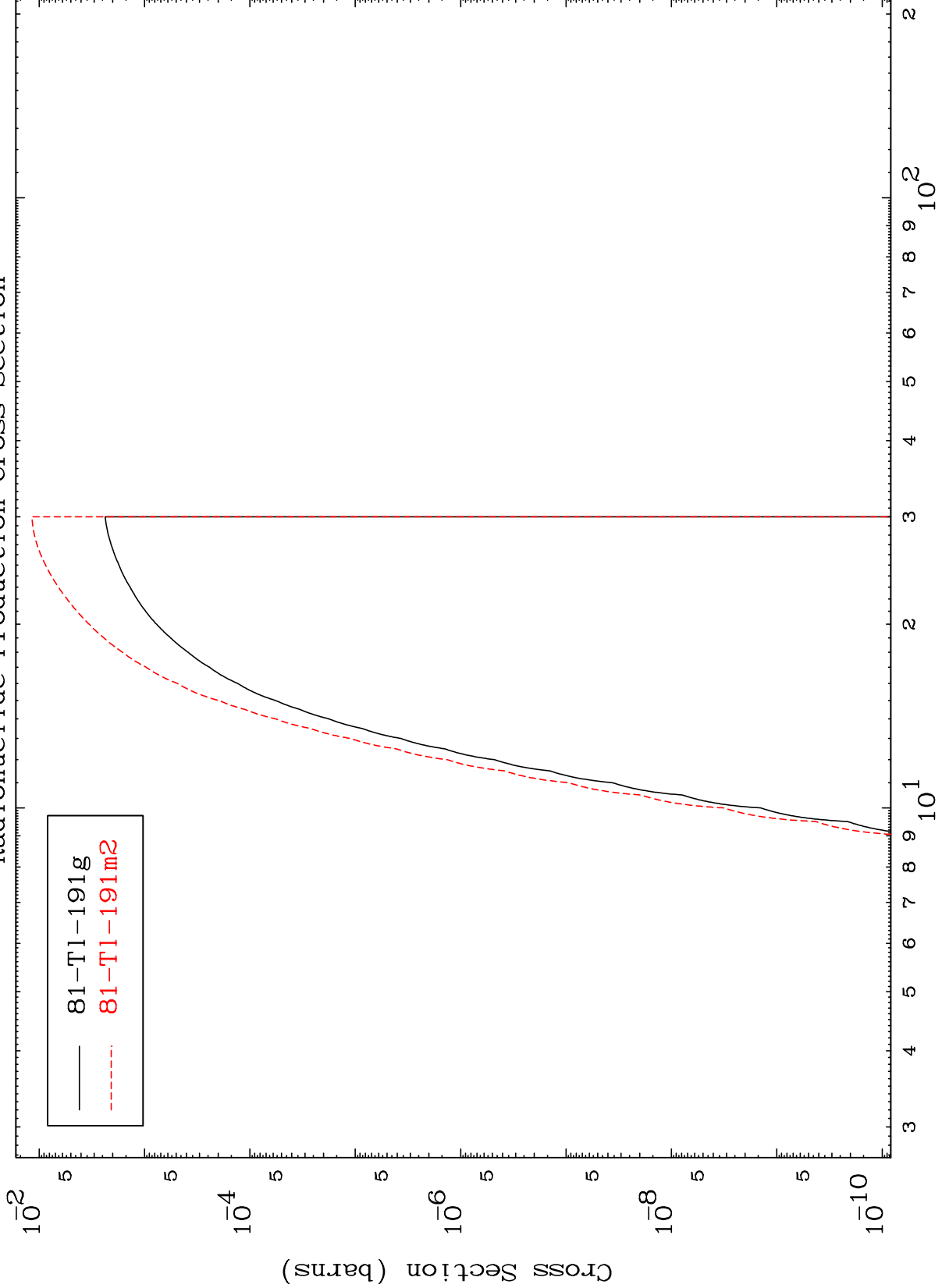
157

82-Pb-193

MAT 8192

82-Pb-193

(n, t)  
Radionuclide Production Cross Section



158

82-Pb-193

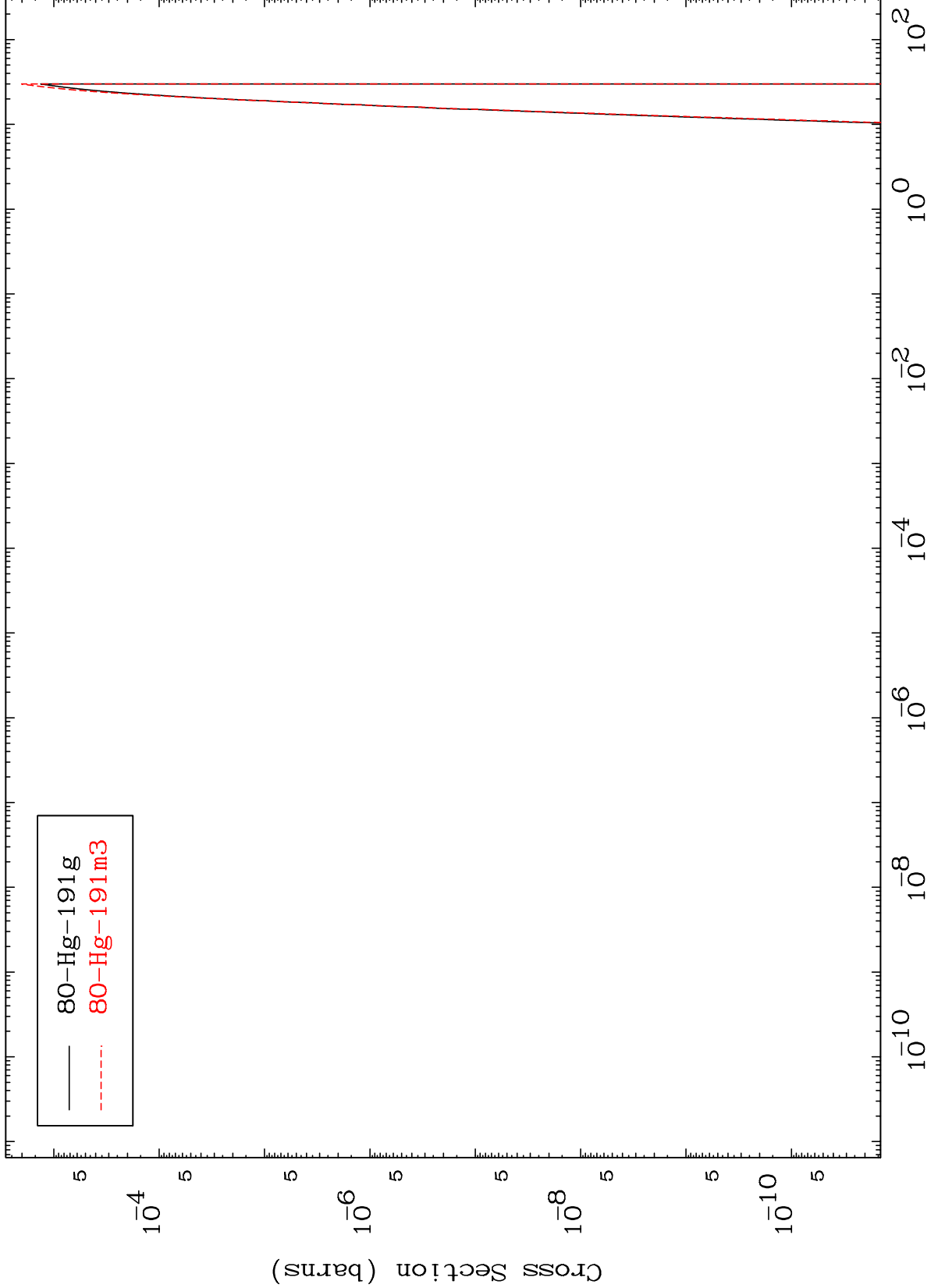
Incident Energy (MeV)

MAT 8192

(n,He-3)

82-Pb-193

Radionuclide Production Cross Section

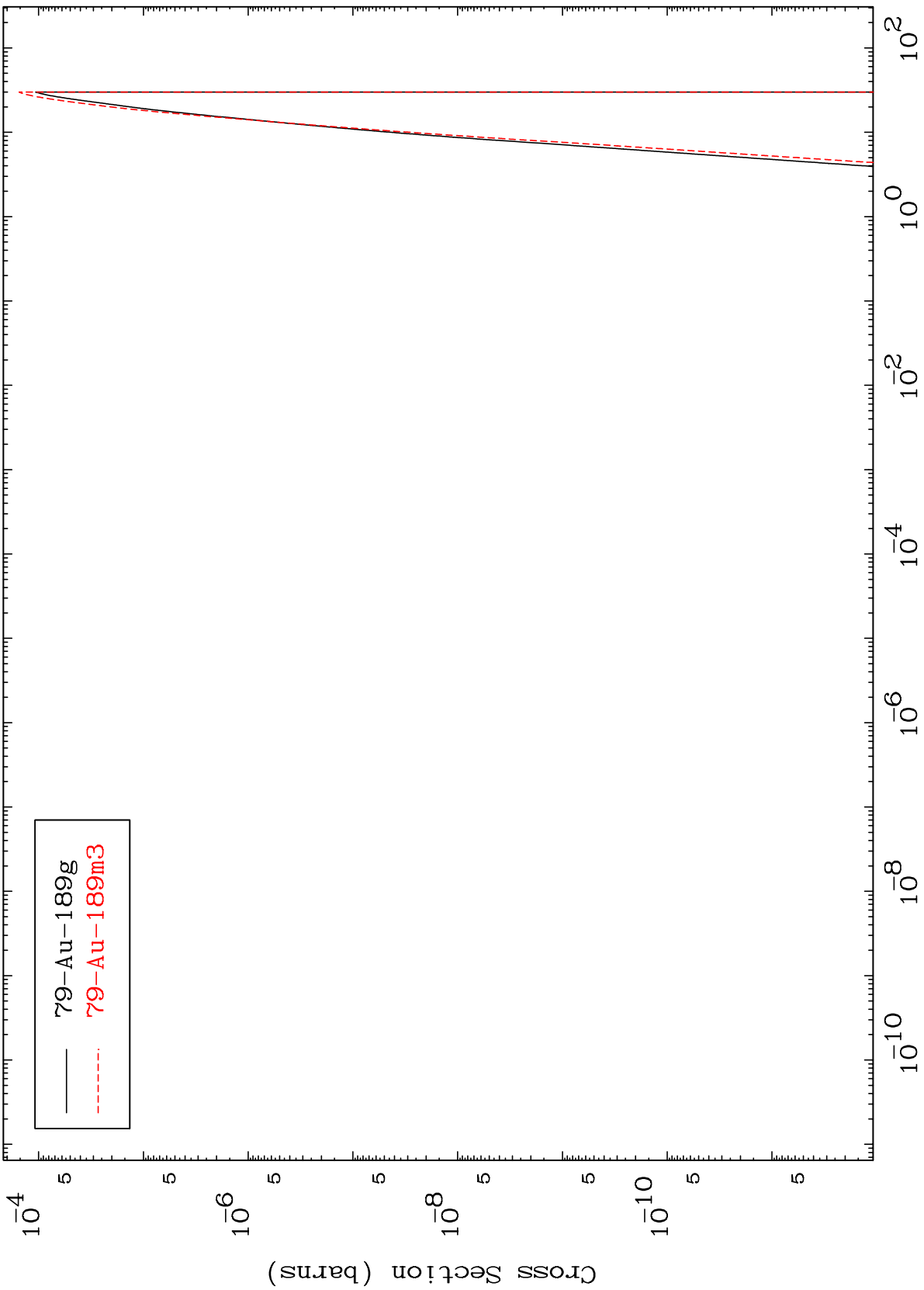


MAT 8192

(n,p)  $\alpha$

82-Pb-193

Radionuclide Production Cross Section



79-Au-189g  
79-Au-189m3

160

Incident Energy (MeV)

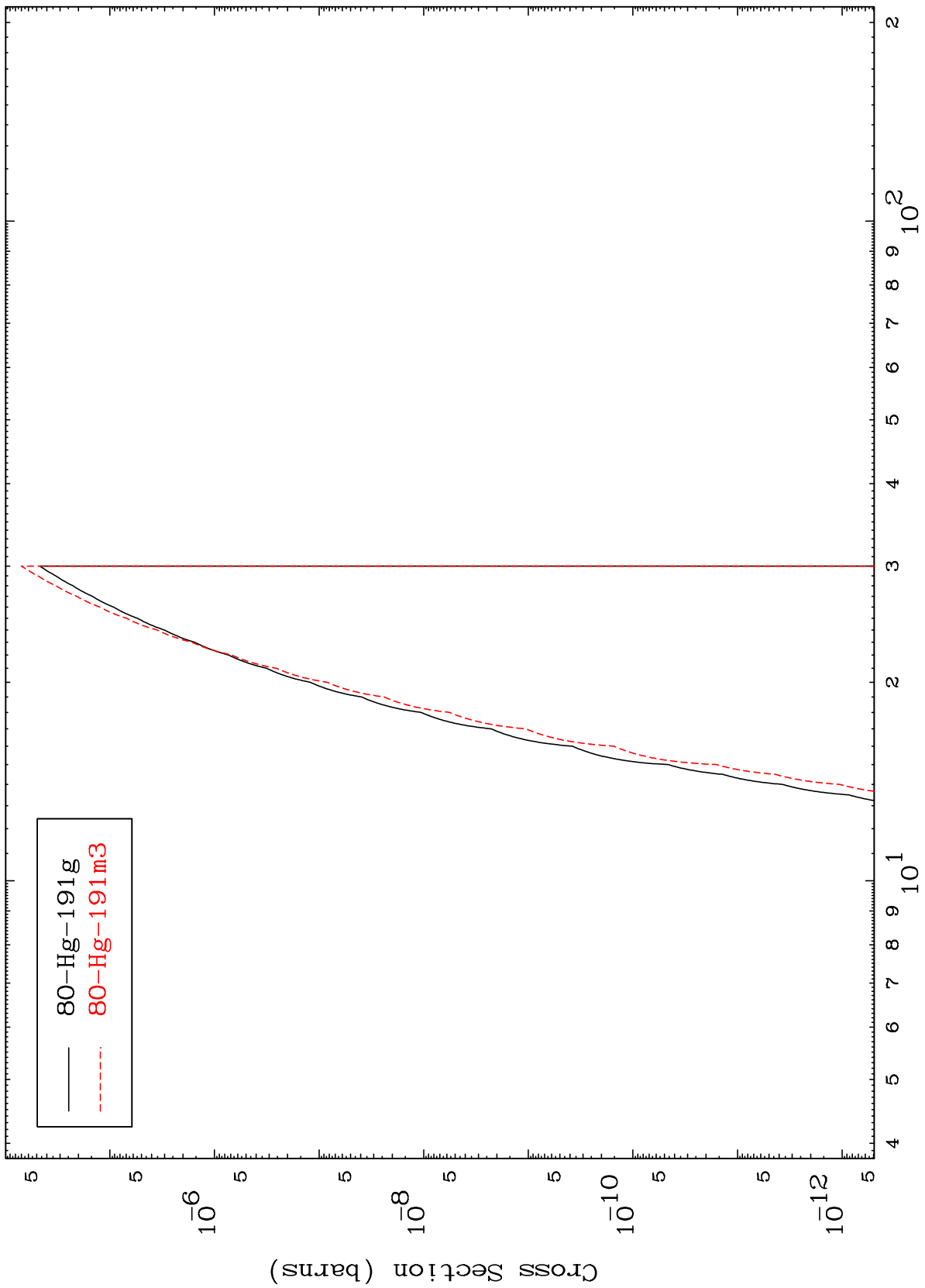
82-Pb-193

MAT 8192

(n,p) d

82-Pb-193

Radionuclide Production Cross Section



80-Hg-191g  
80-Hg-191m3

161

Incident Energy (MeV)

82-Pb-193