

Program EVALPLOT
(Version 2021-1)

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

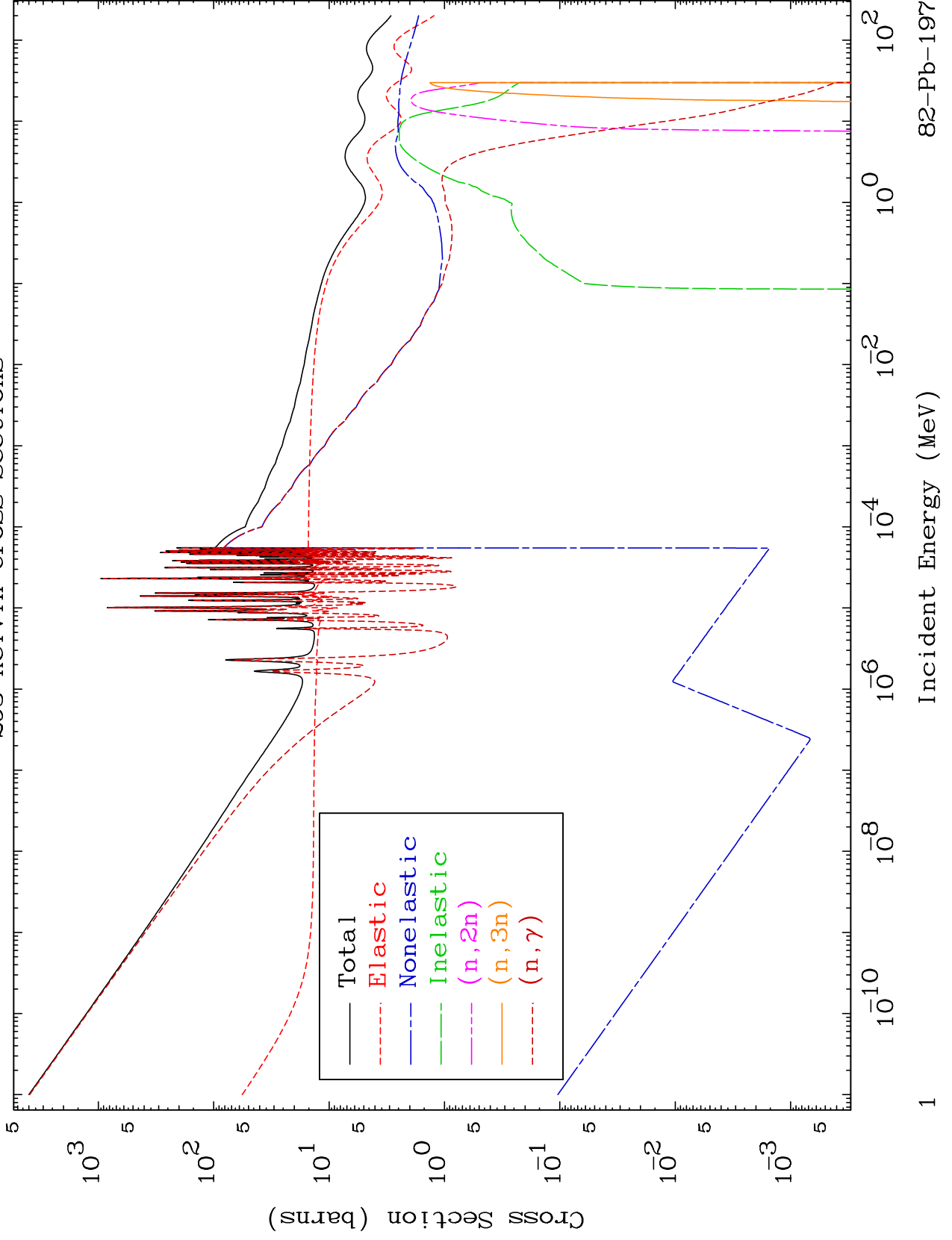
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8204

Neutron Major
293 Kelvin Cross Sections

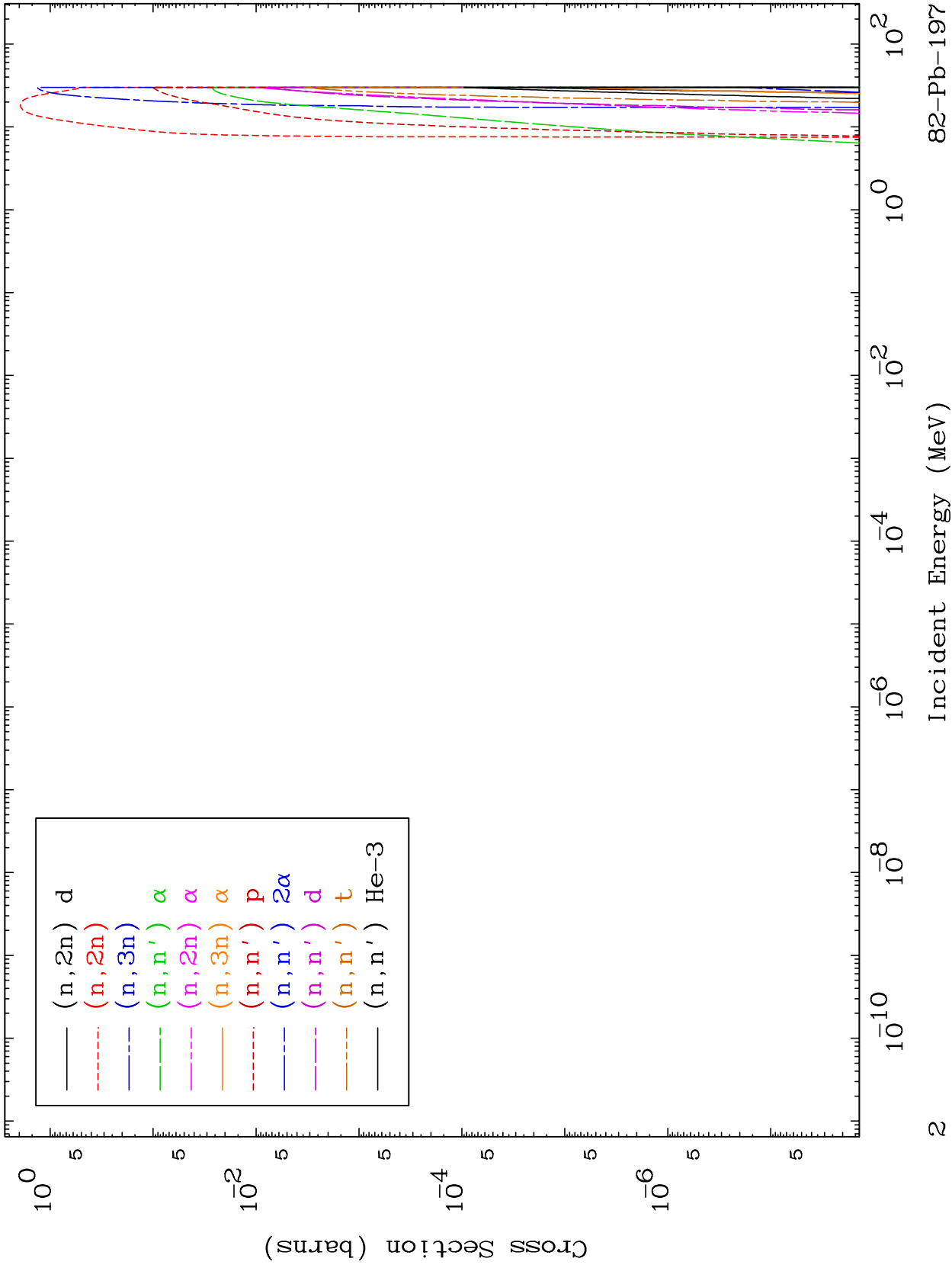
82-Pb-197

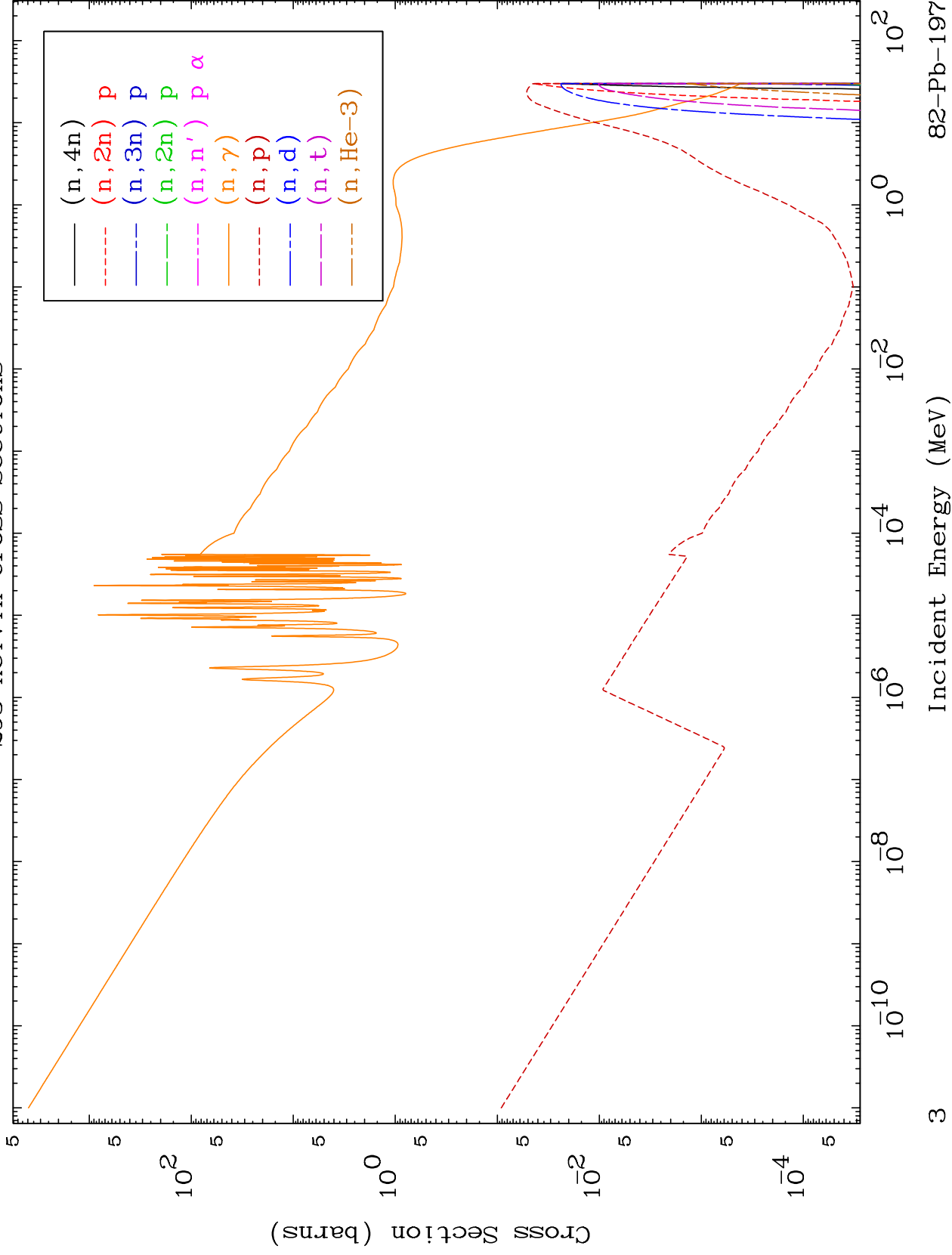


MAT 8204

Neutron Absorption
293 Kelvin Cross Sections

82-Pb-197

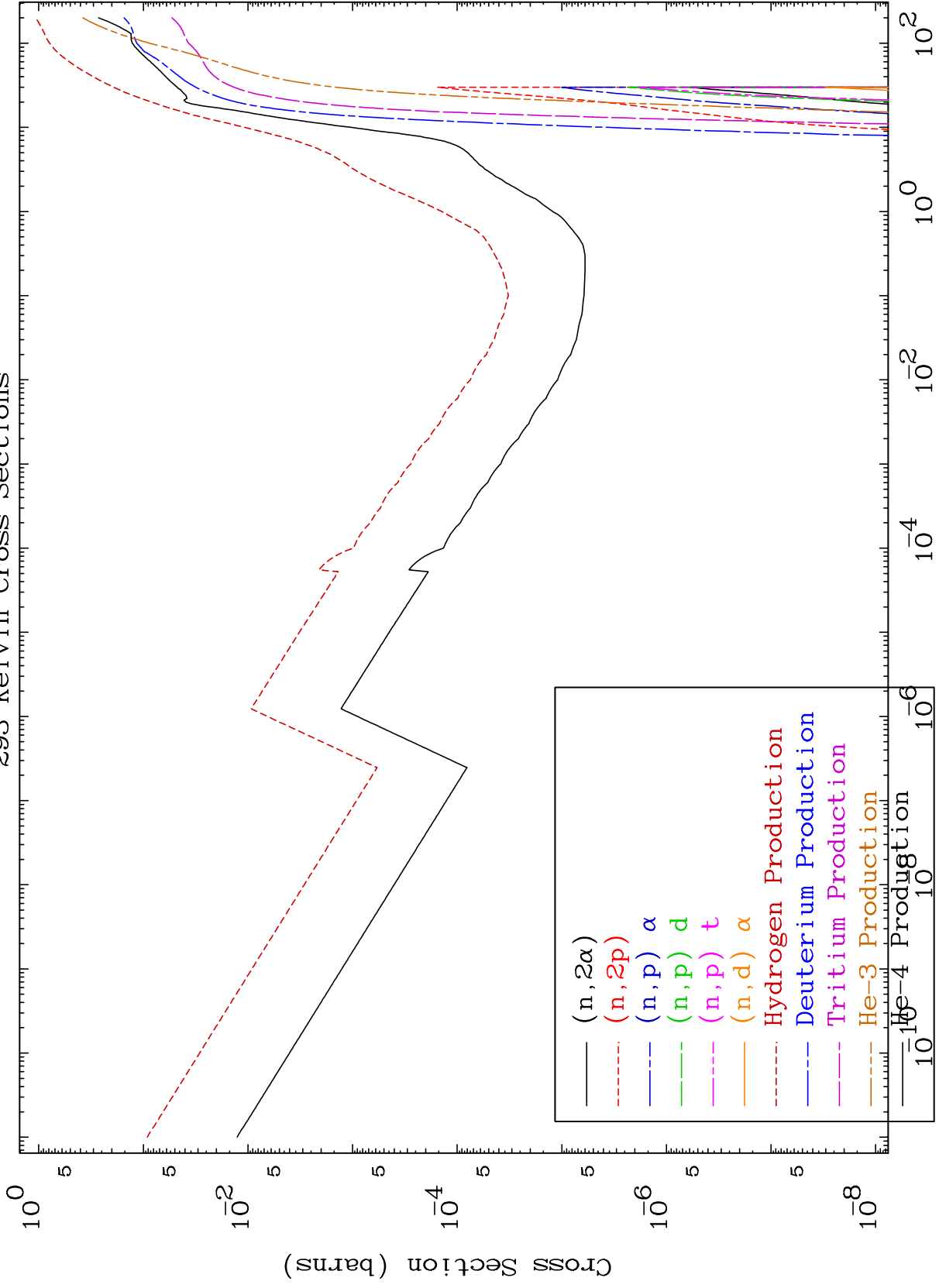




MAT 8204

Neutron Absorption
293 Kelvin Cross Sections

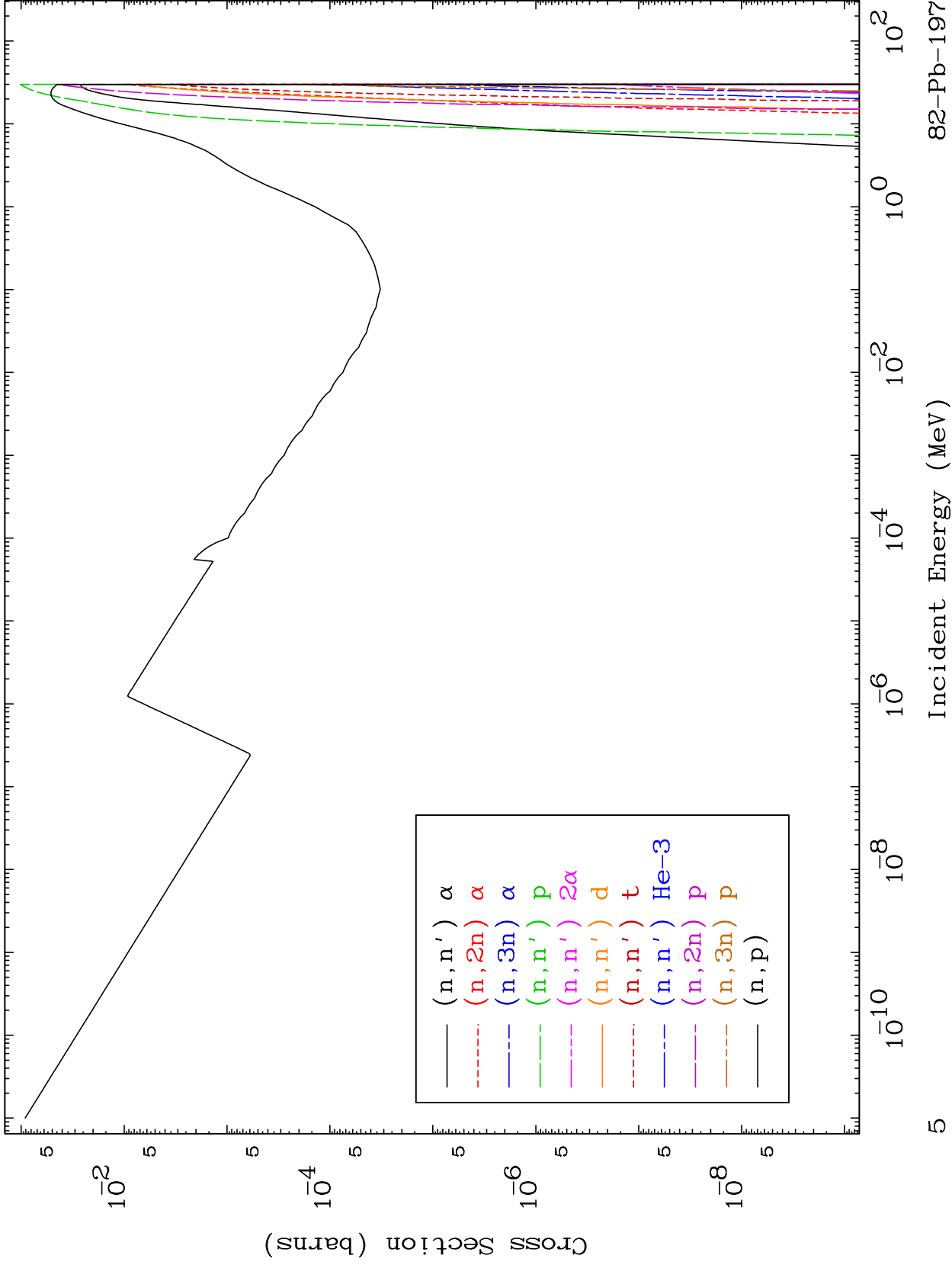
82-Pb-197



MAT 8204

Charged Particle
293 Kelvin Cross Sections

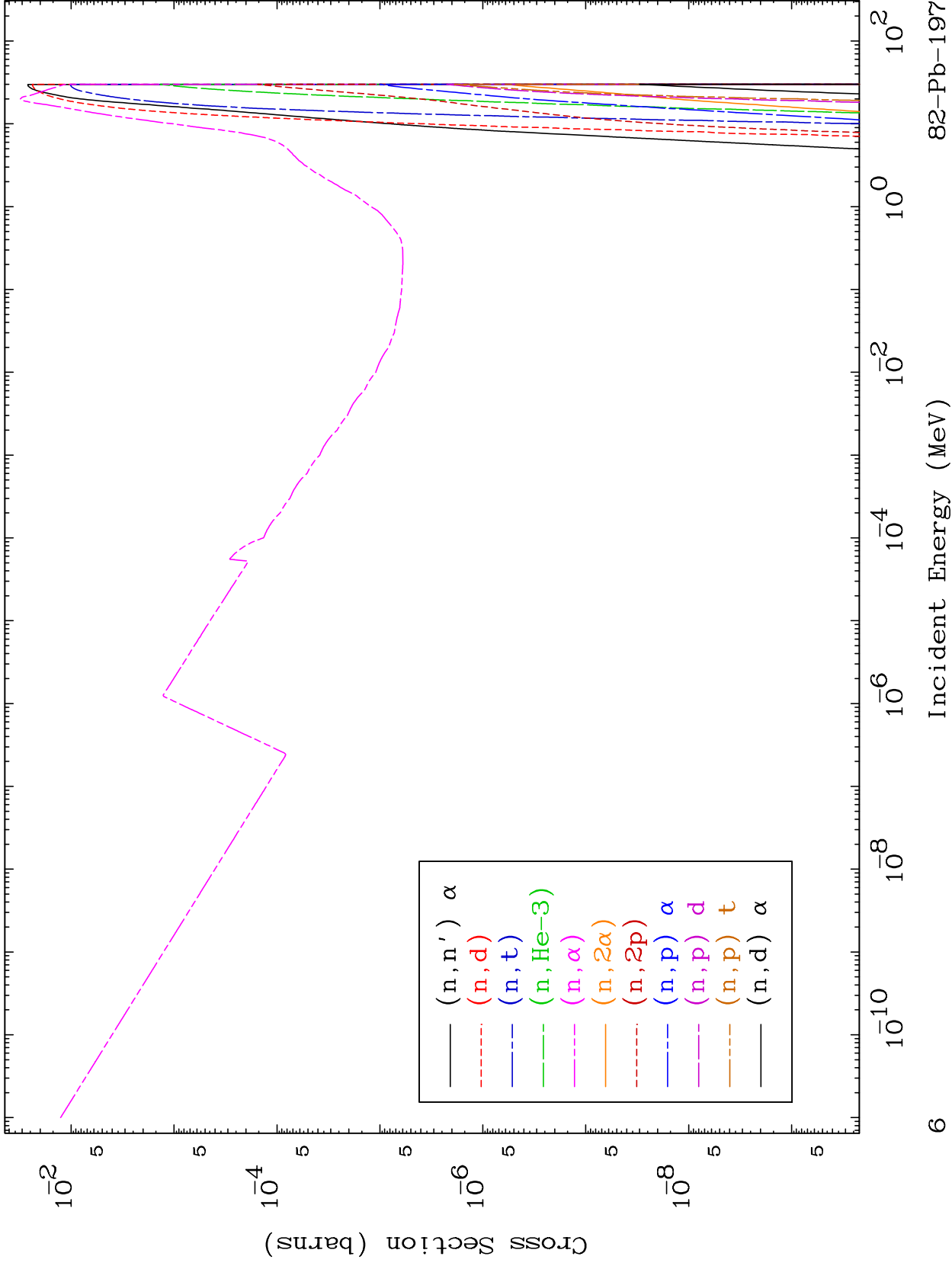
82-Pb-197



MAT 8204

Charged Particle
293 Kelvin Cross Sections

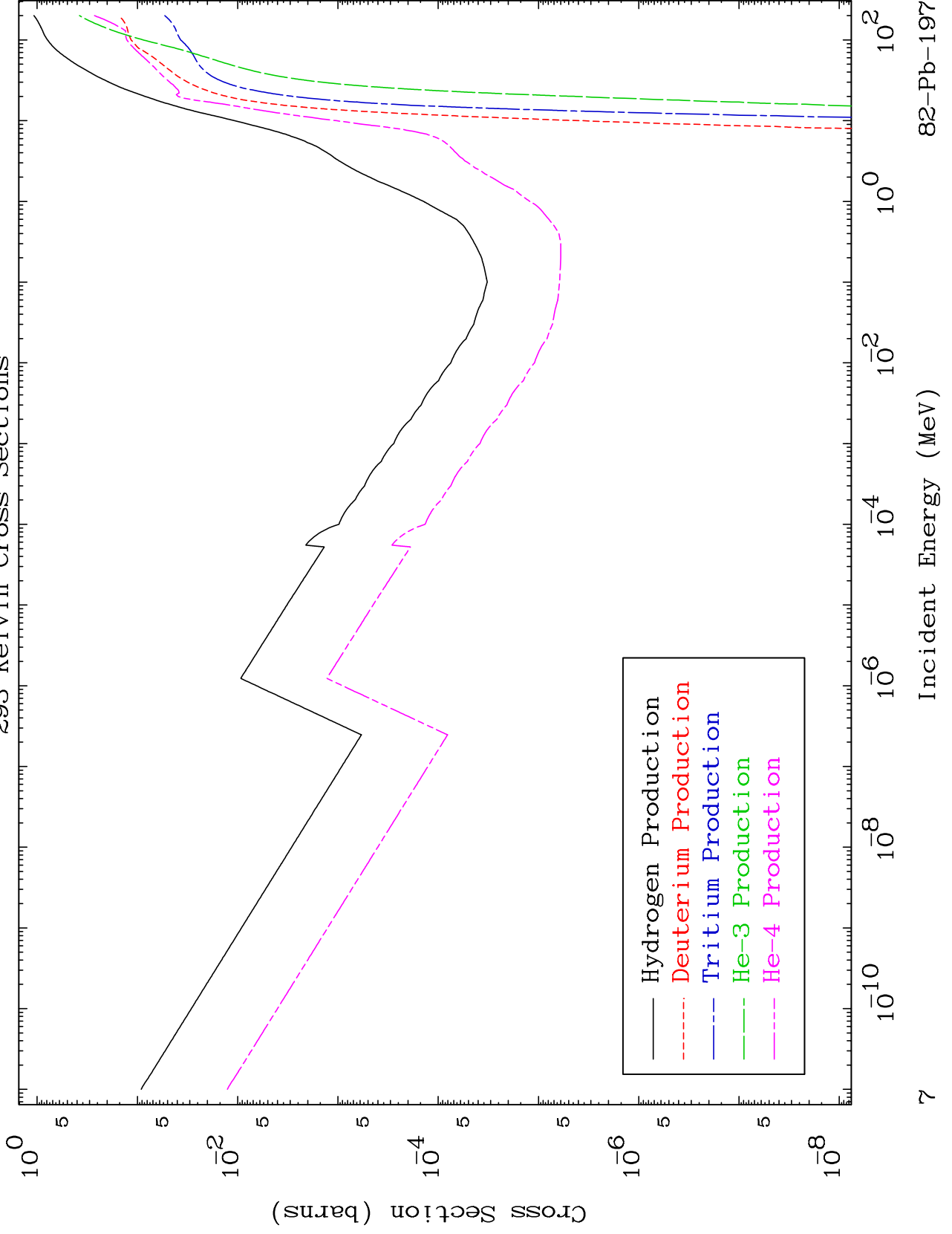
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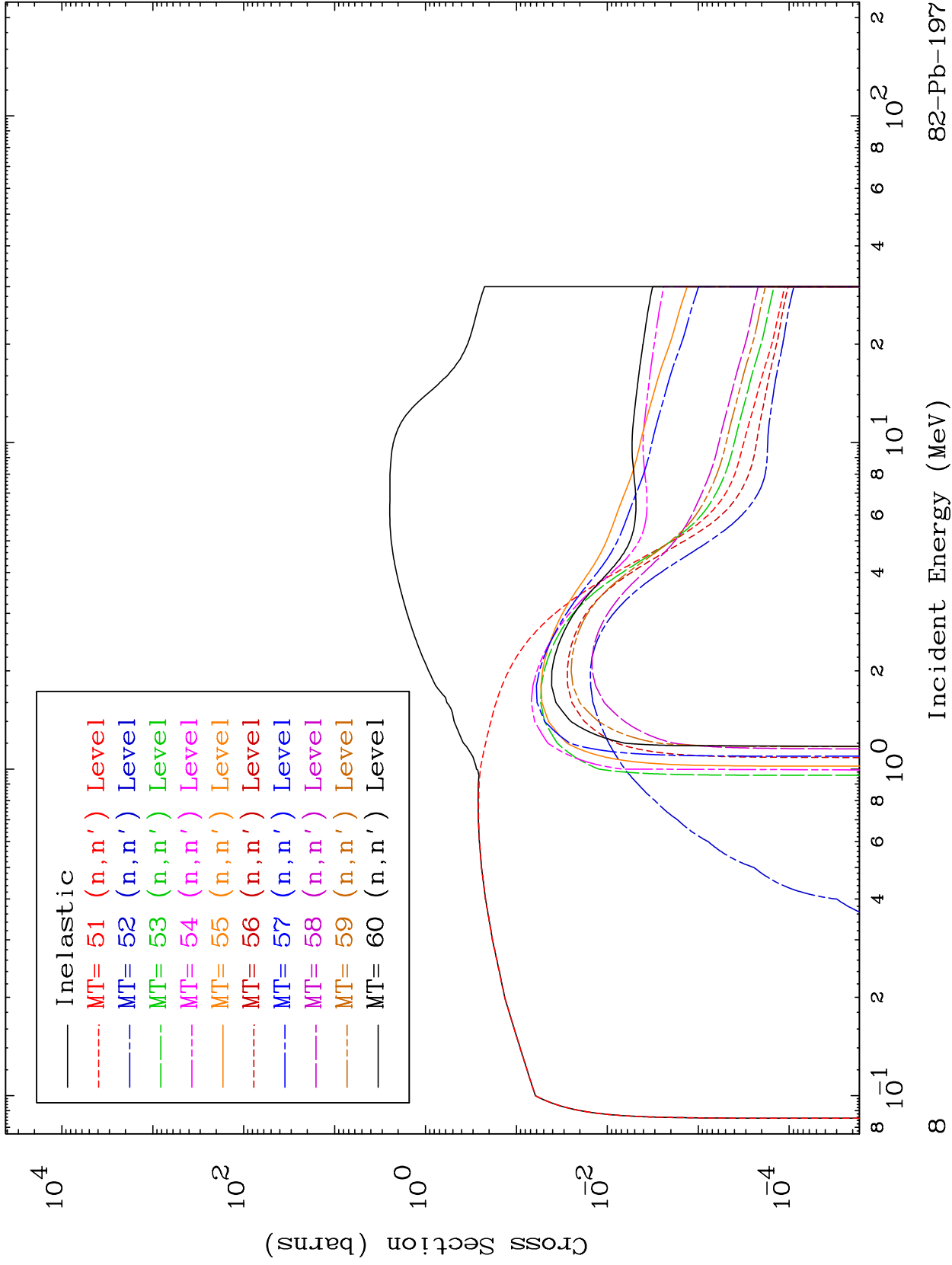


MAT 8204

Particle Production
293 Kelvin Cross Sections

82-Pb-197



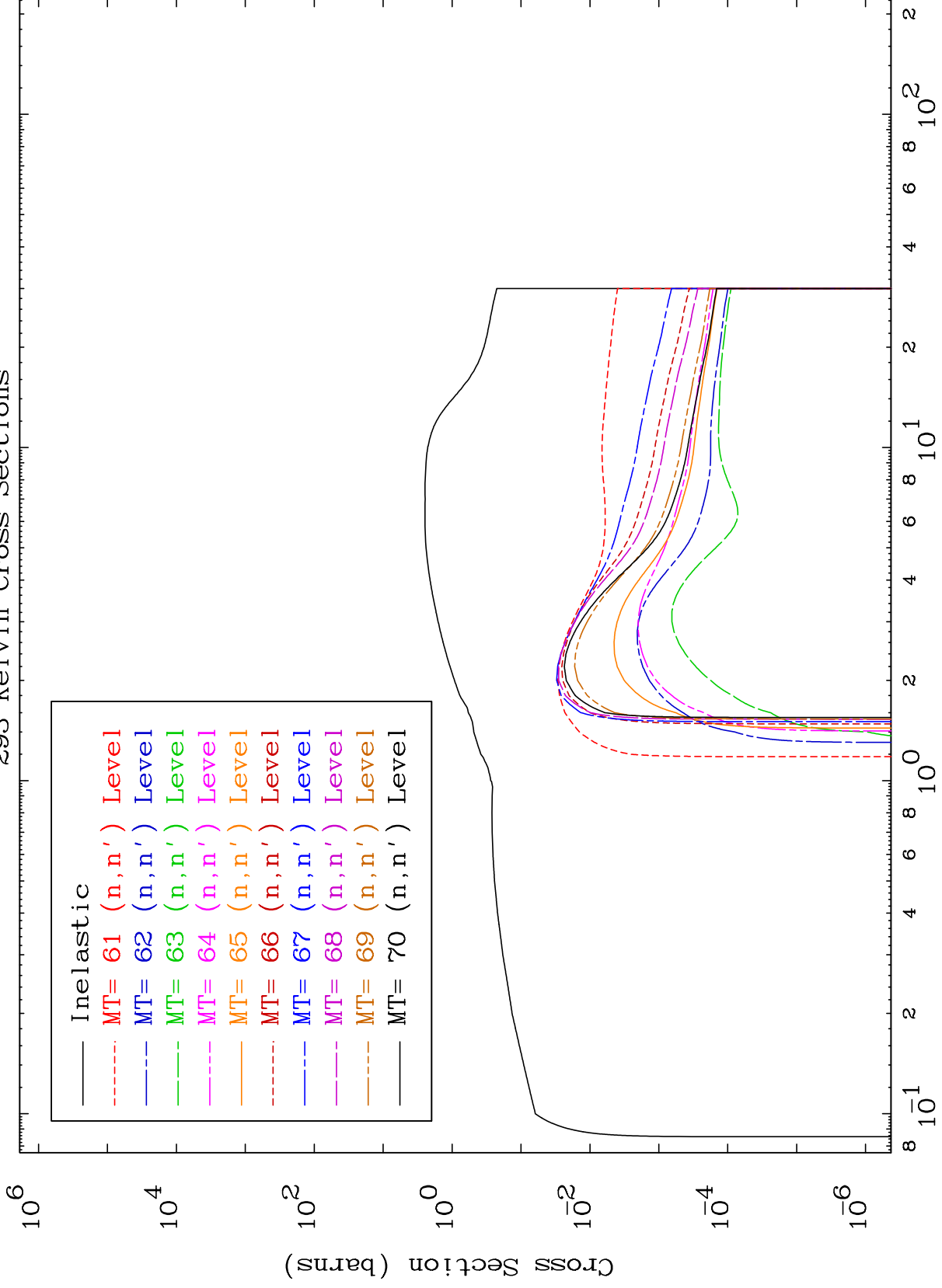


MAT 8204

(n,n') Levels

82-Pb-197

293 Kelvin Cross Sections



9

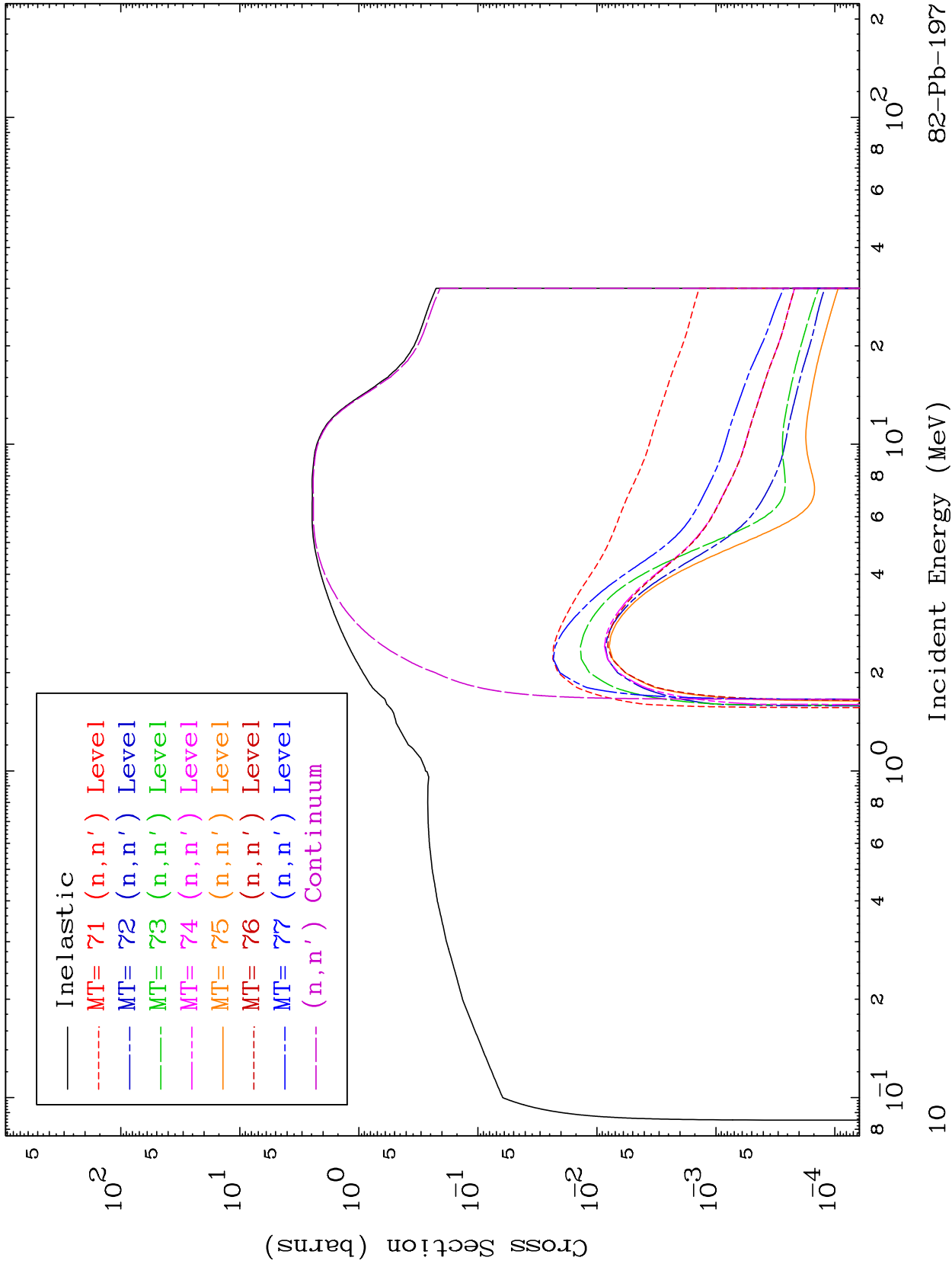
Incident Energy (MeV)

82-Pb-197

MAT 8204

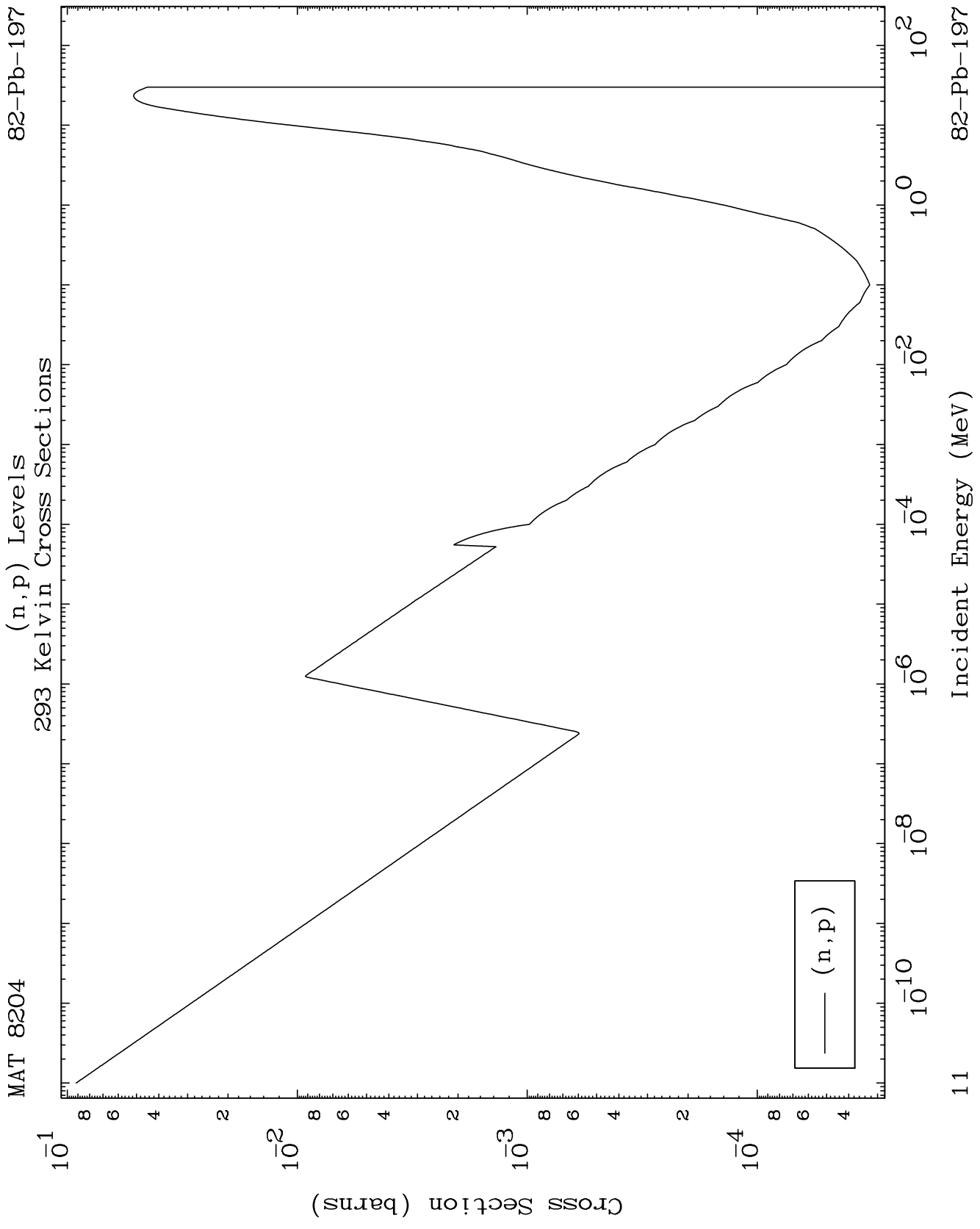
(n,n') Levels
293 Kelvin Cross Sections

82-Pb-197



82-Pb-197

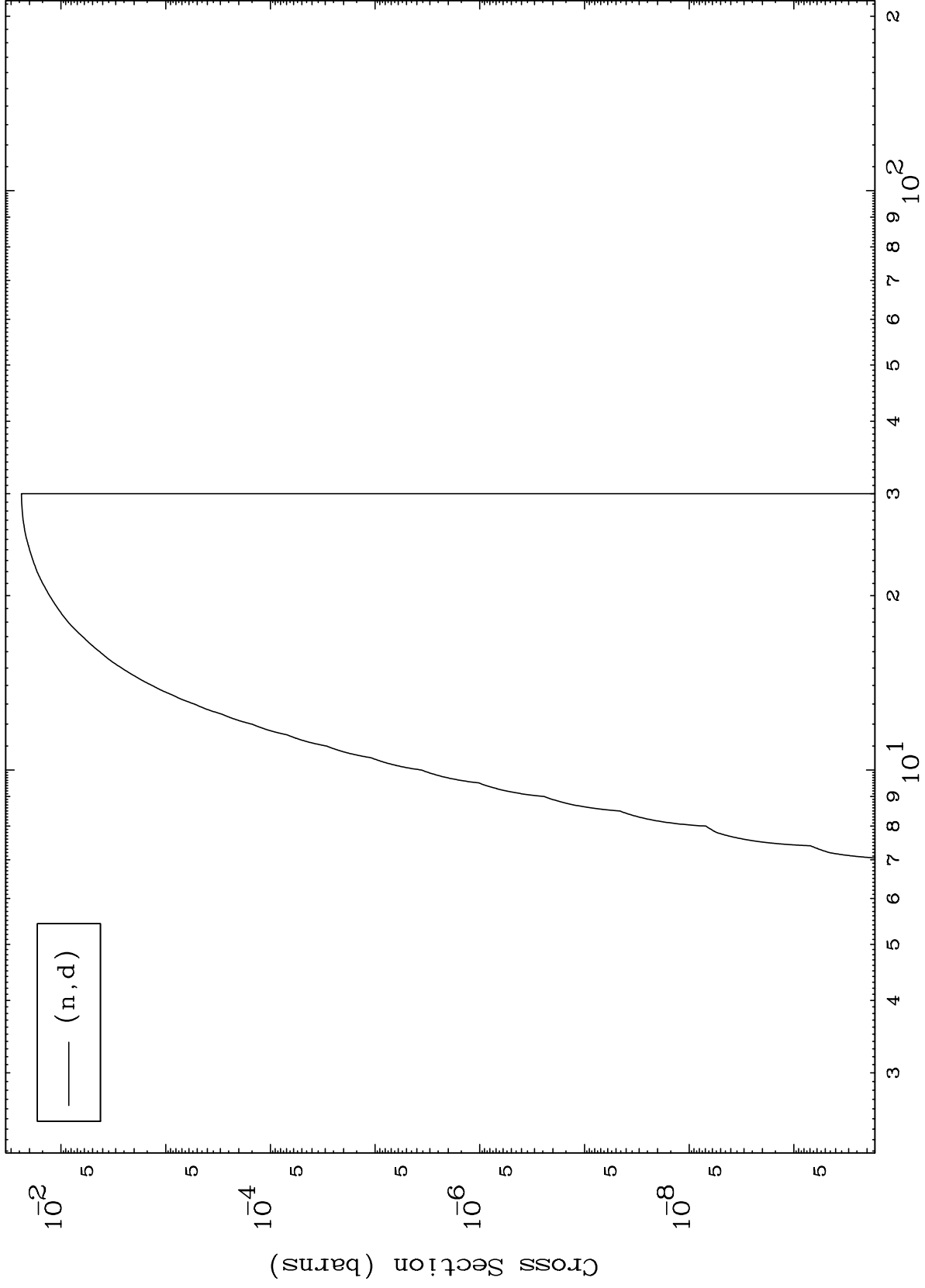
Incident Energy (MeV)



MAT 8204

(n,d) Levels
293 Kelvin Cross Sections

82-Pb-197



12

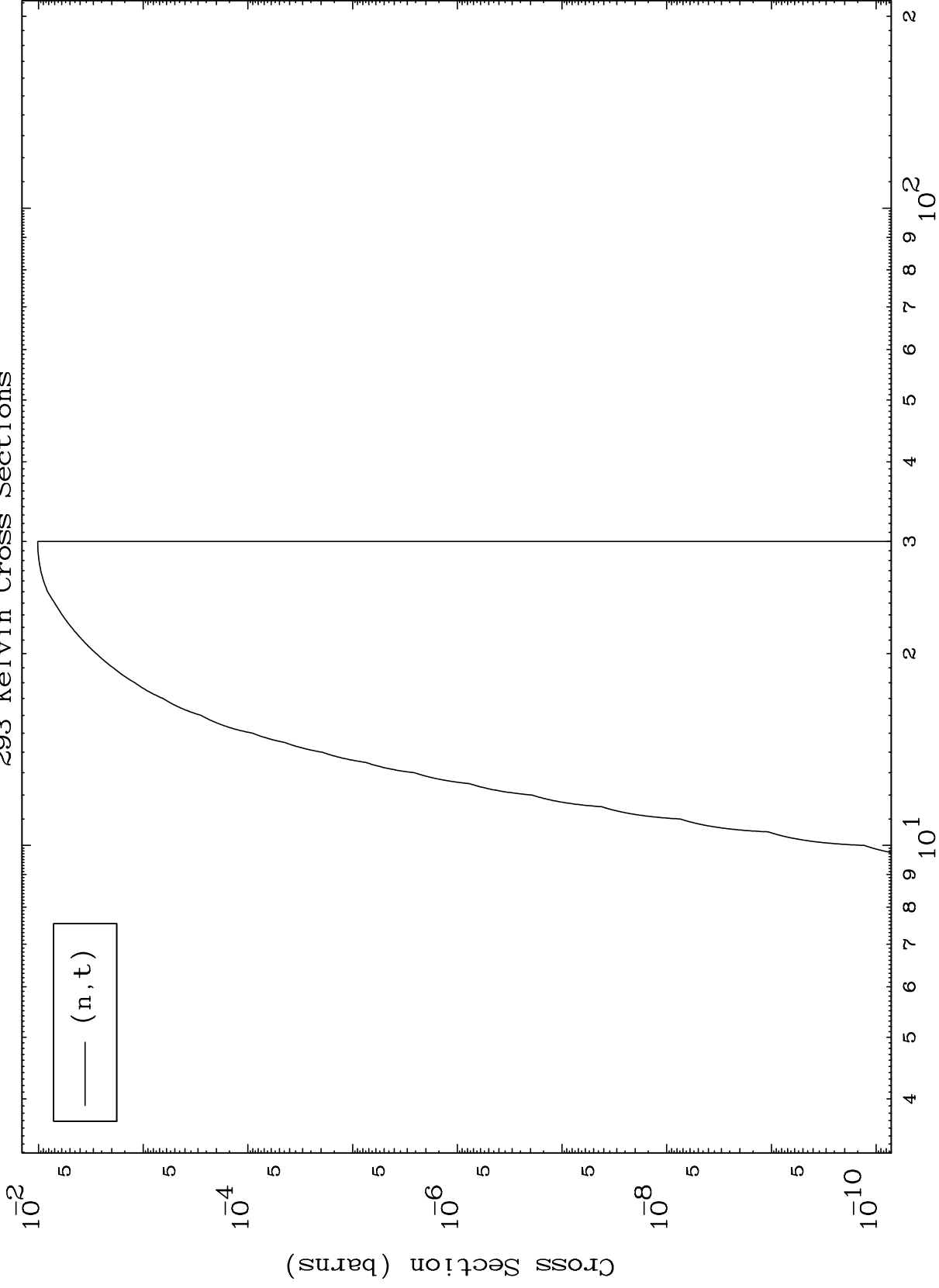
Incident Energy (MeV)

82-Pb-197

MAT 8204

(n,t) Levels
293 Kelvin Cross Sections

82-Pb-197



13

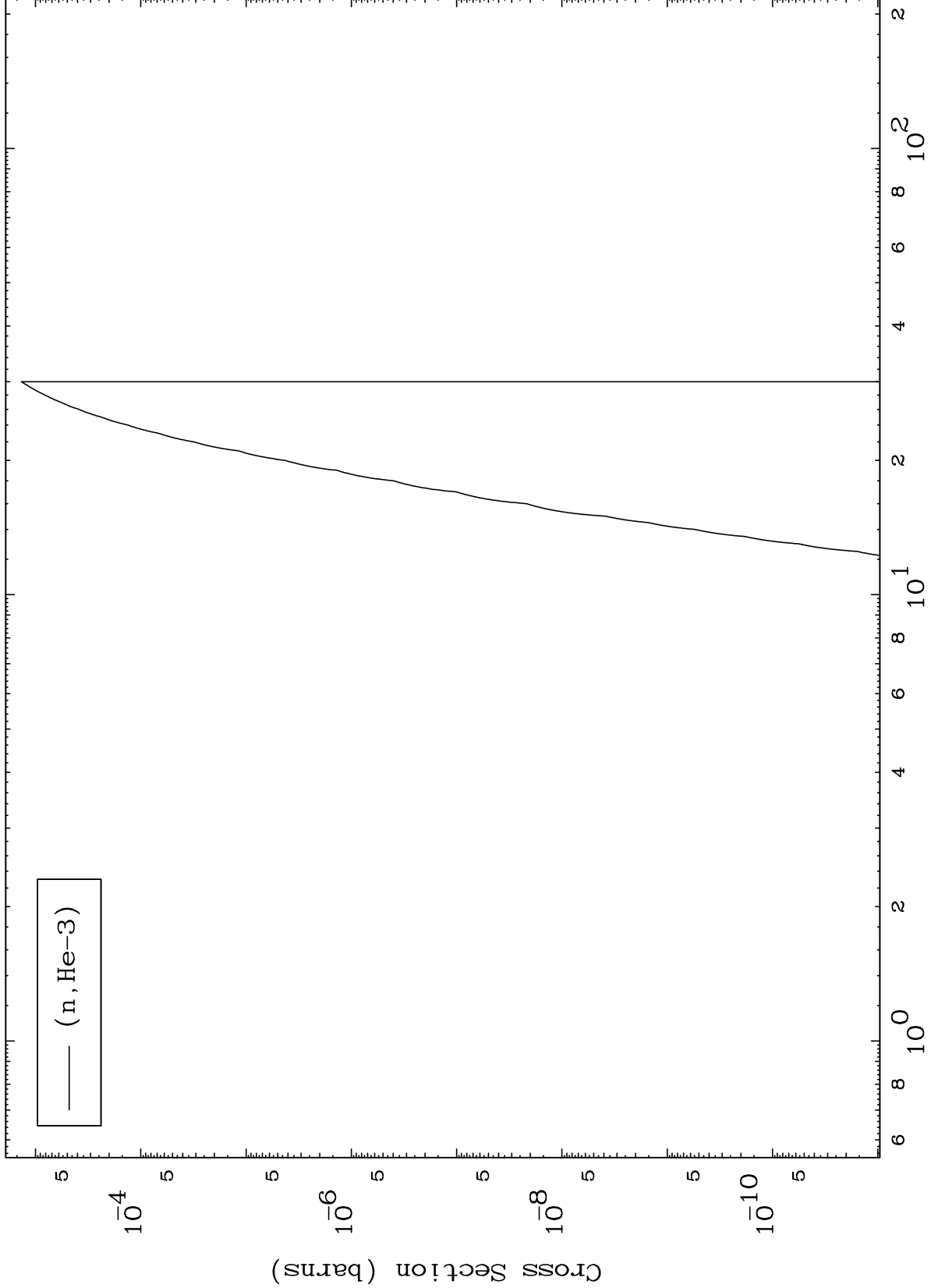
Incident Energy (MeV)

82-Pb-197

MAT 8204

(n,He3) Levels
293 Kelvin Cross Sections

82-Pb-197



14

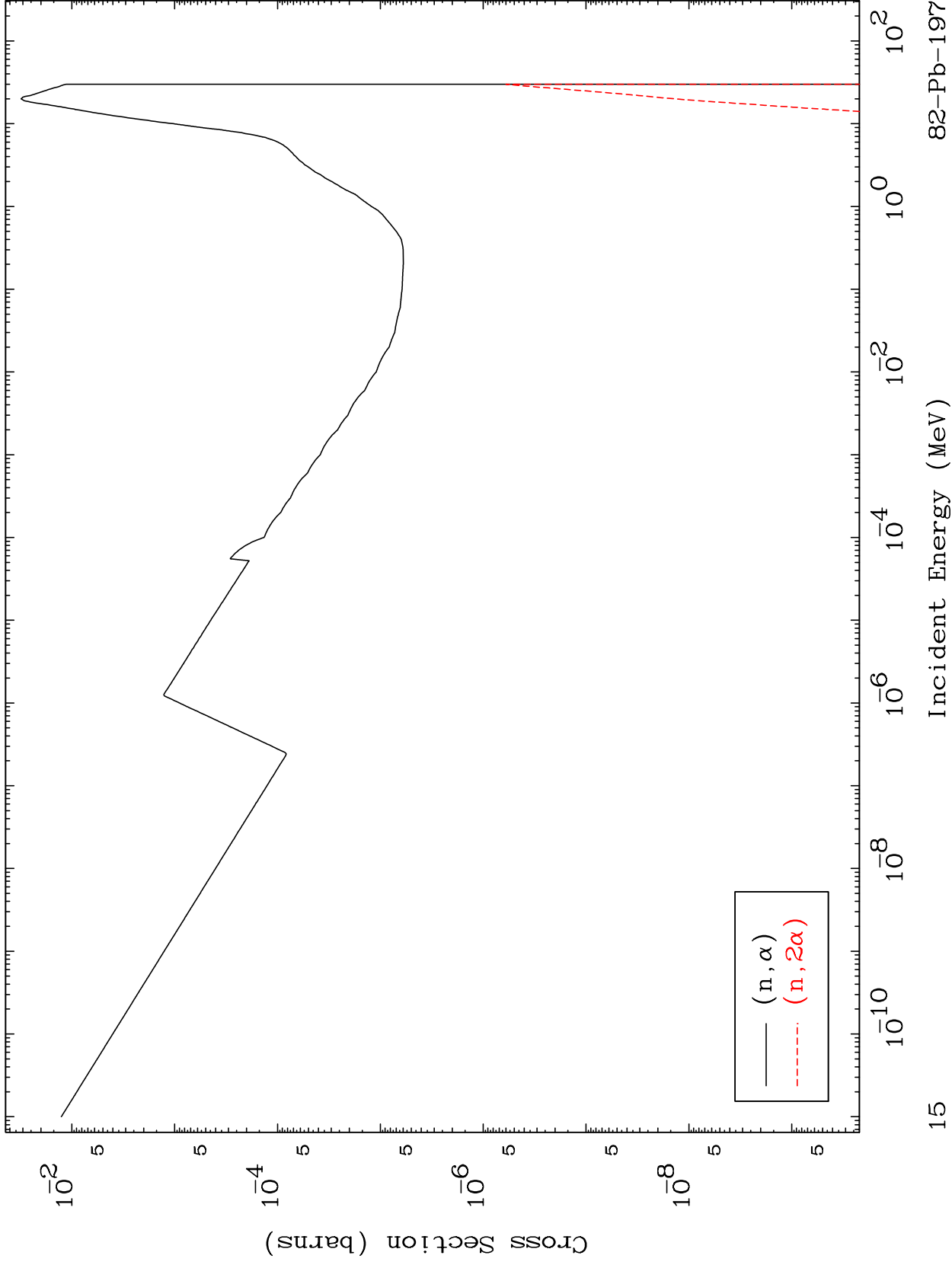
Incident Energy (MeV)

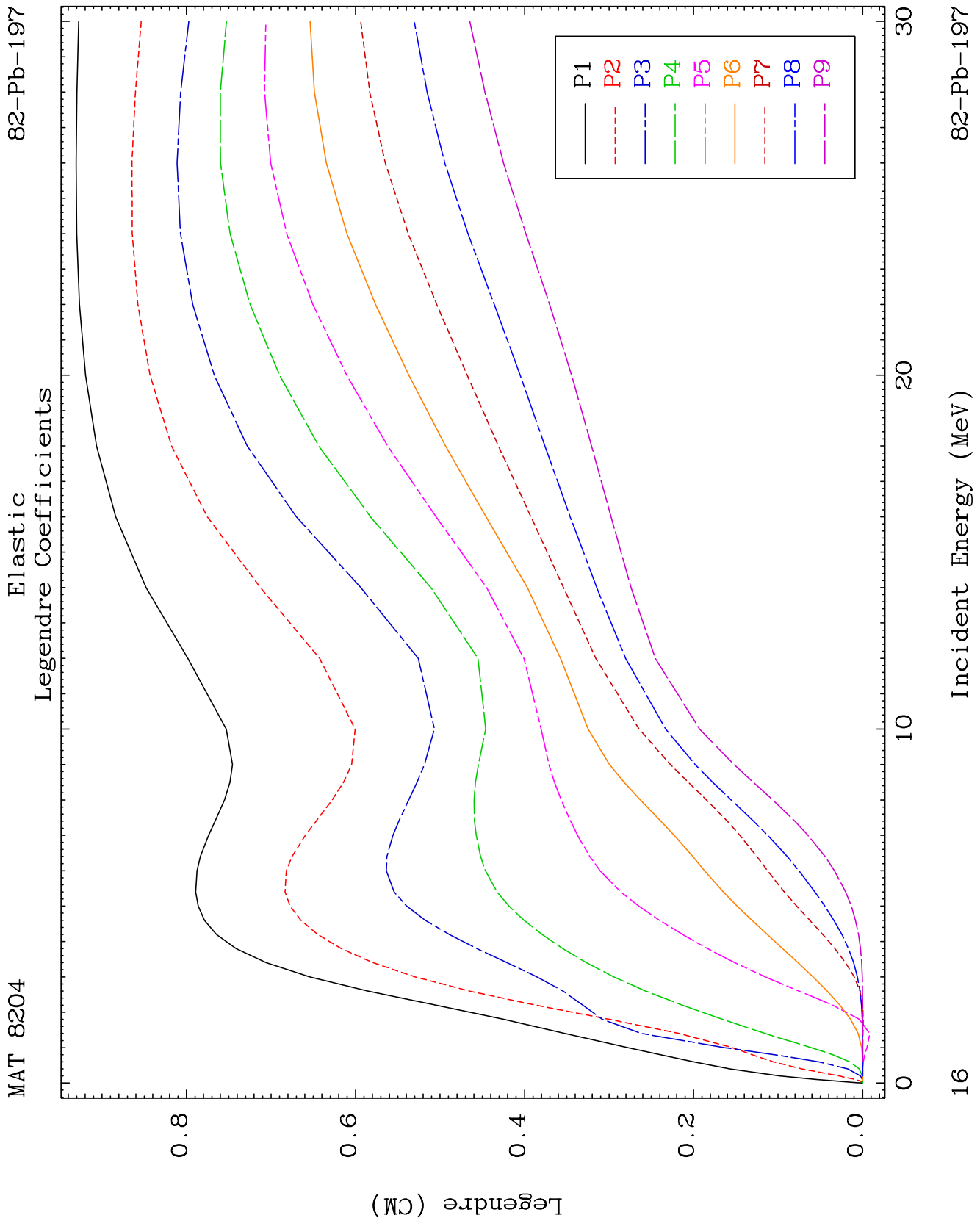
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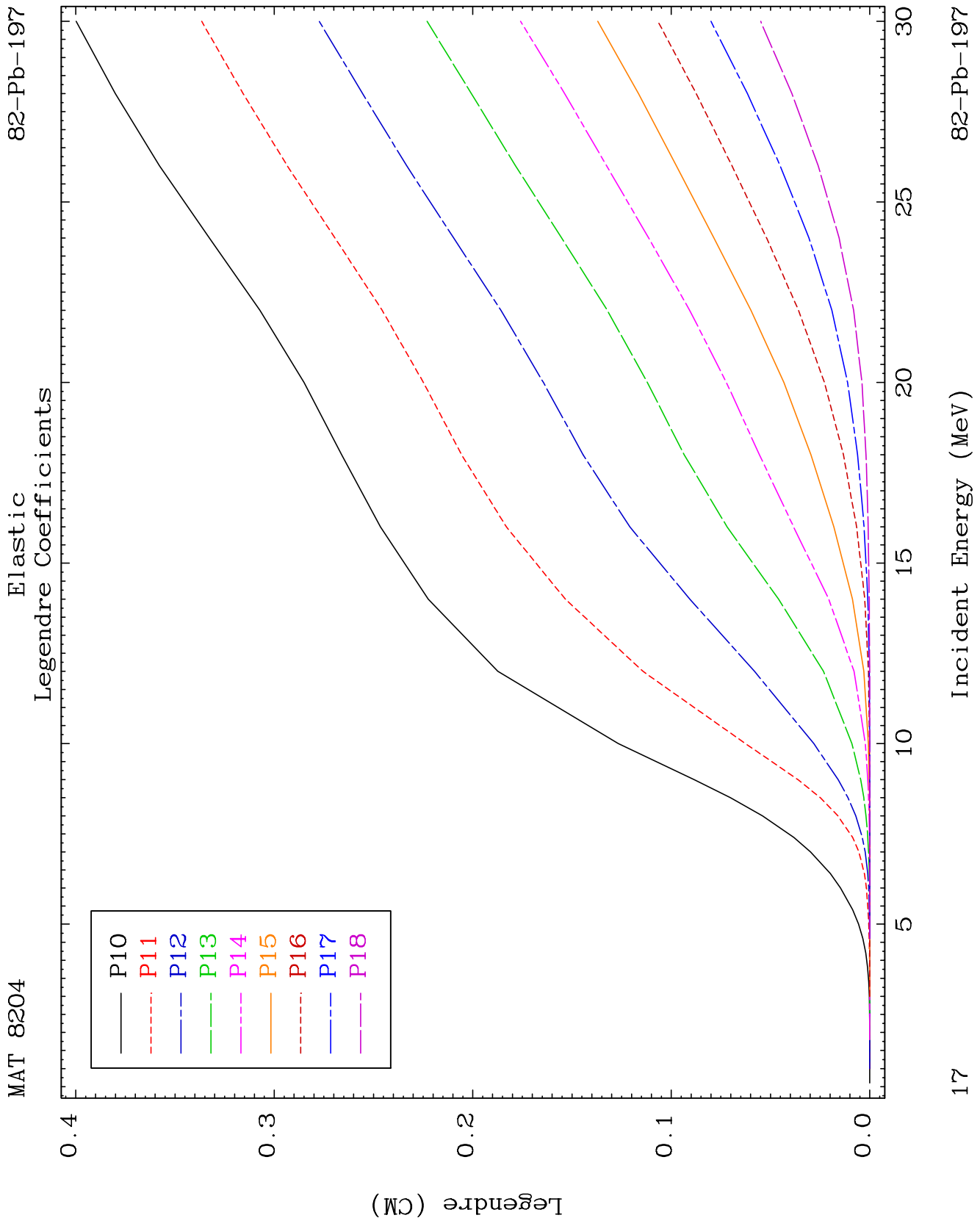
MAT 8204

(n, α) Levels
293 Kelvin Cross Sections

82-Pb-197



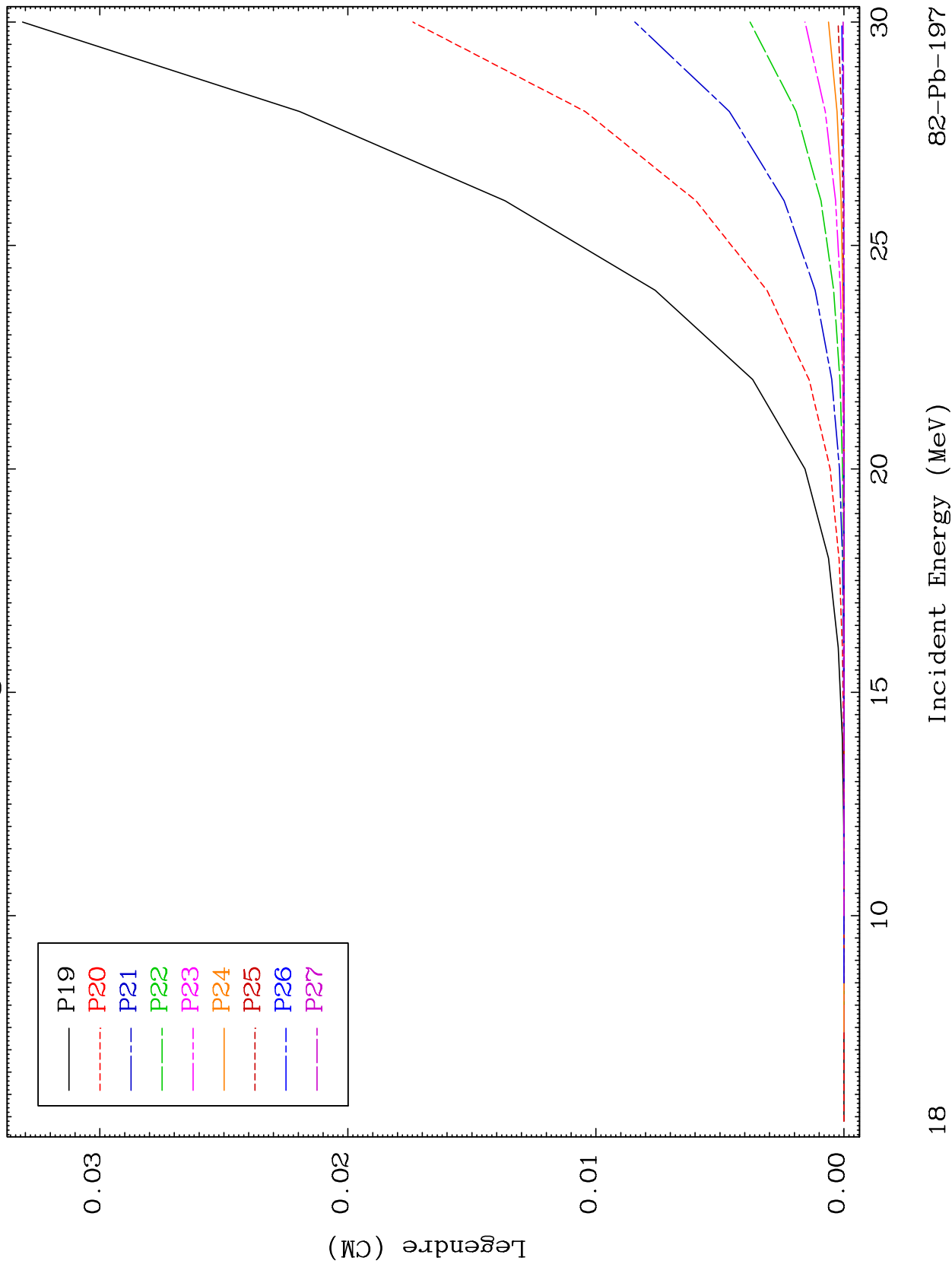




MAT 8204

Elastic Legendre Coefficients

82-Pb-197



18

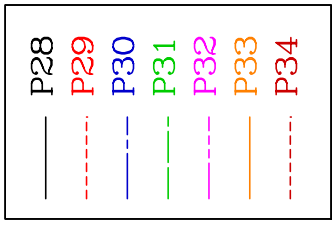
Incident Energy (MeV)

82-Pb-197

MAT 8204

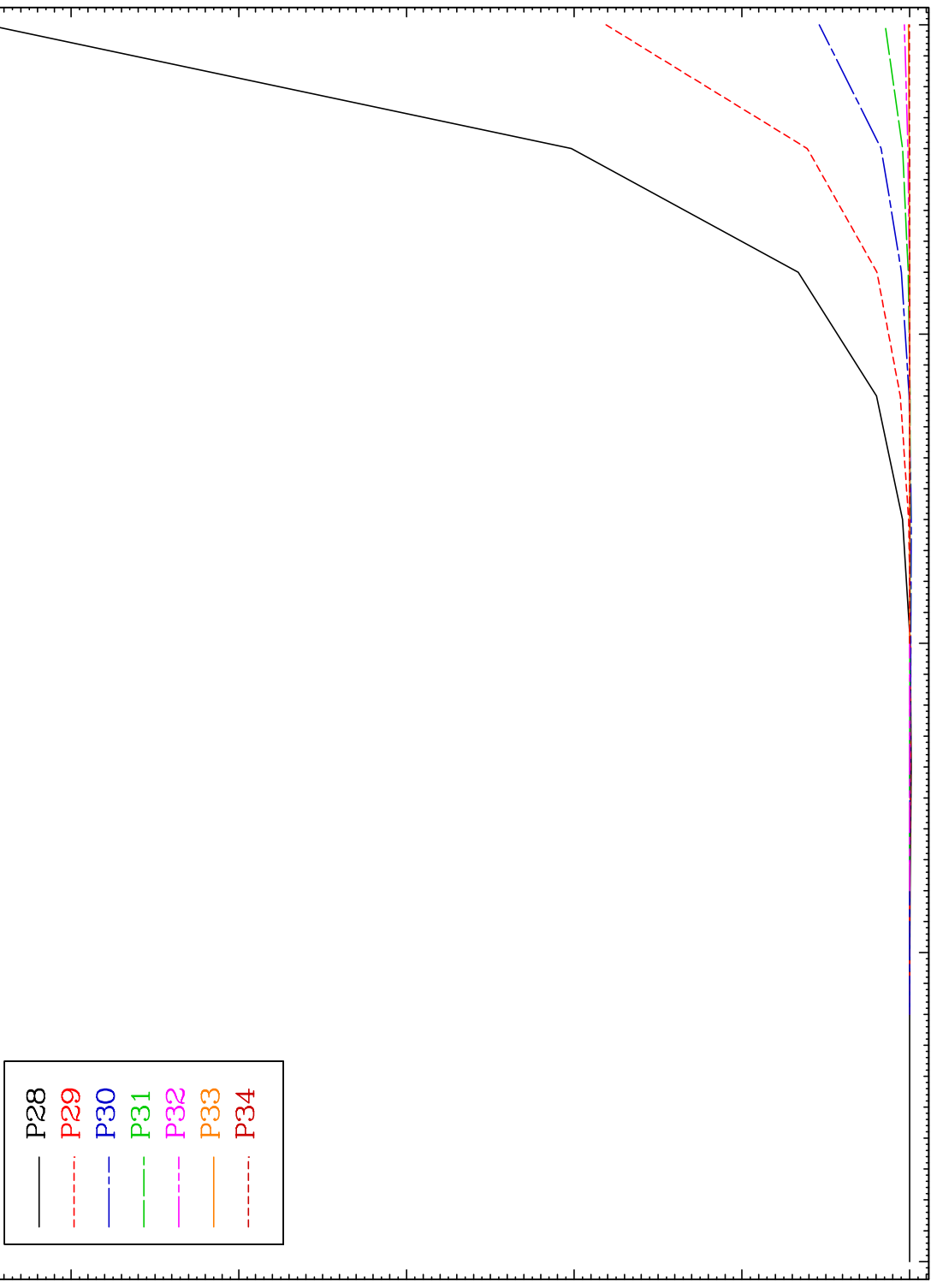
Elastic Legendre Coefficients

82-Pb-197



$\times 10^{-5}$

Legendre (CM)



30

25

20

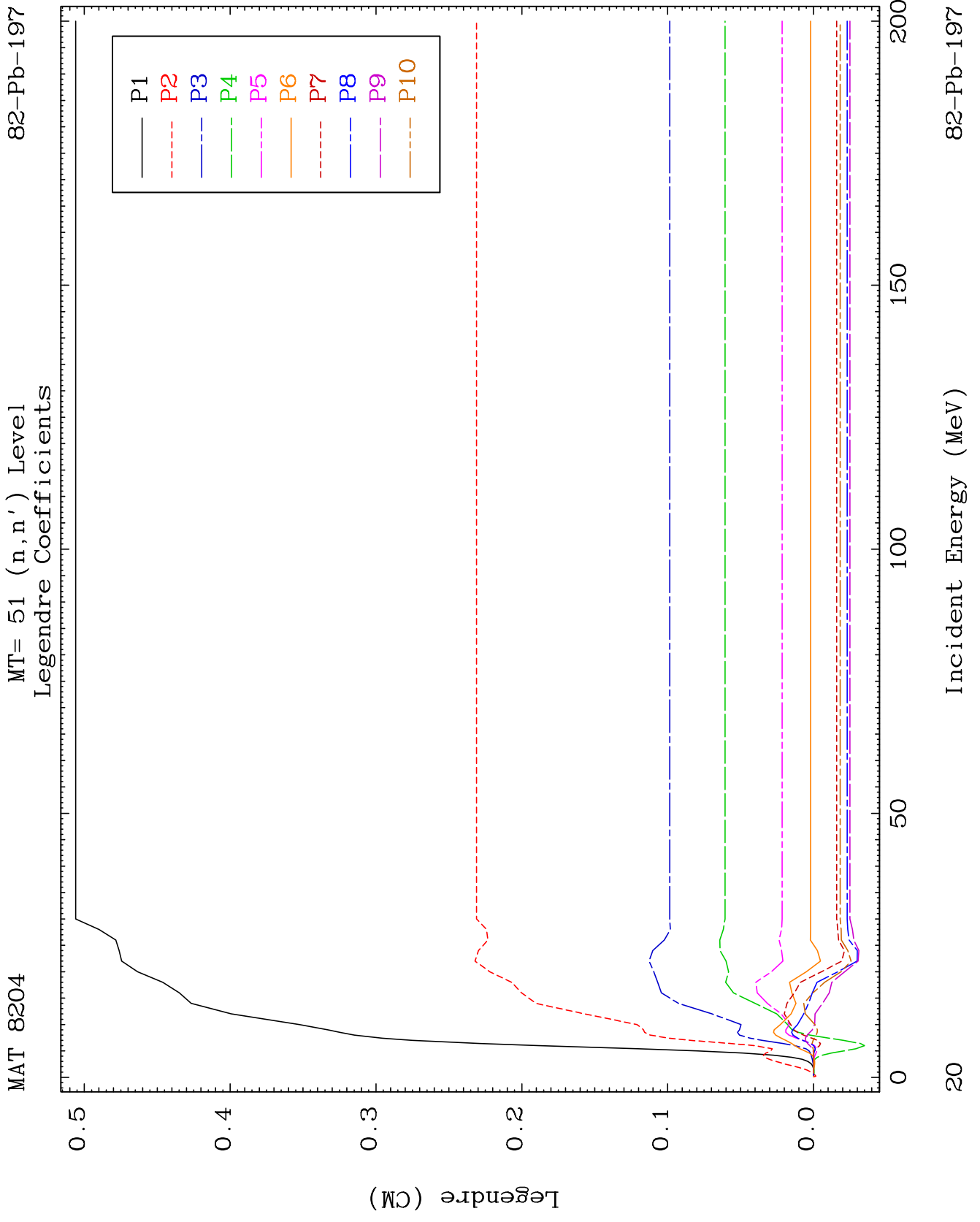
15

10

Incident Energy (MeV)

82-Pb-197

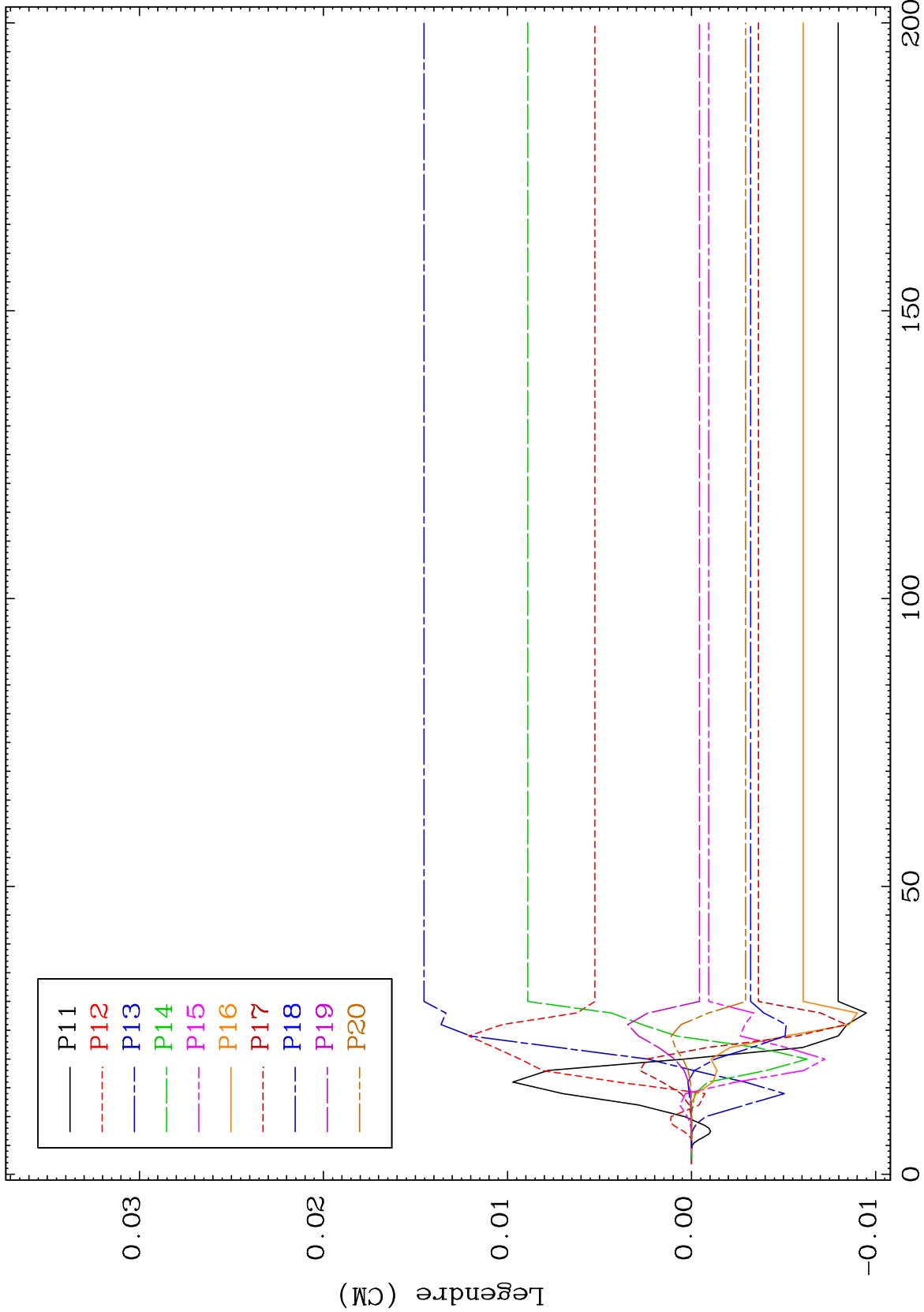
19



MAT 8204

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

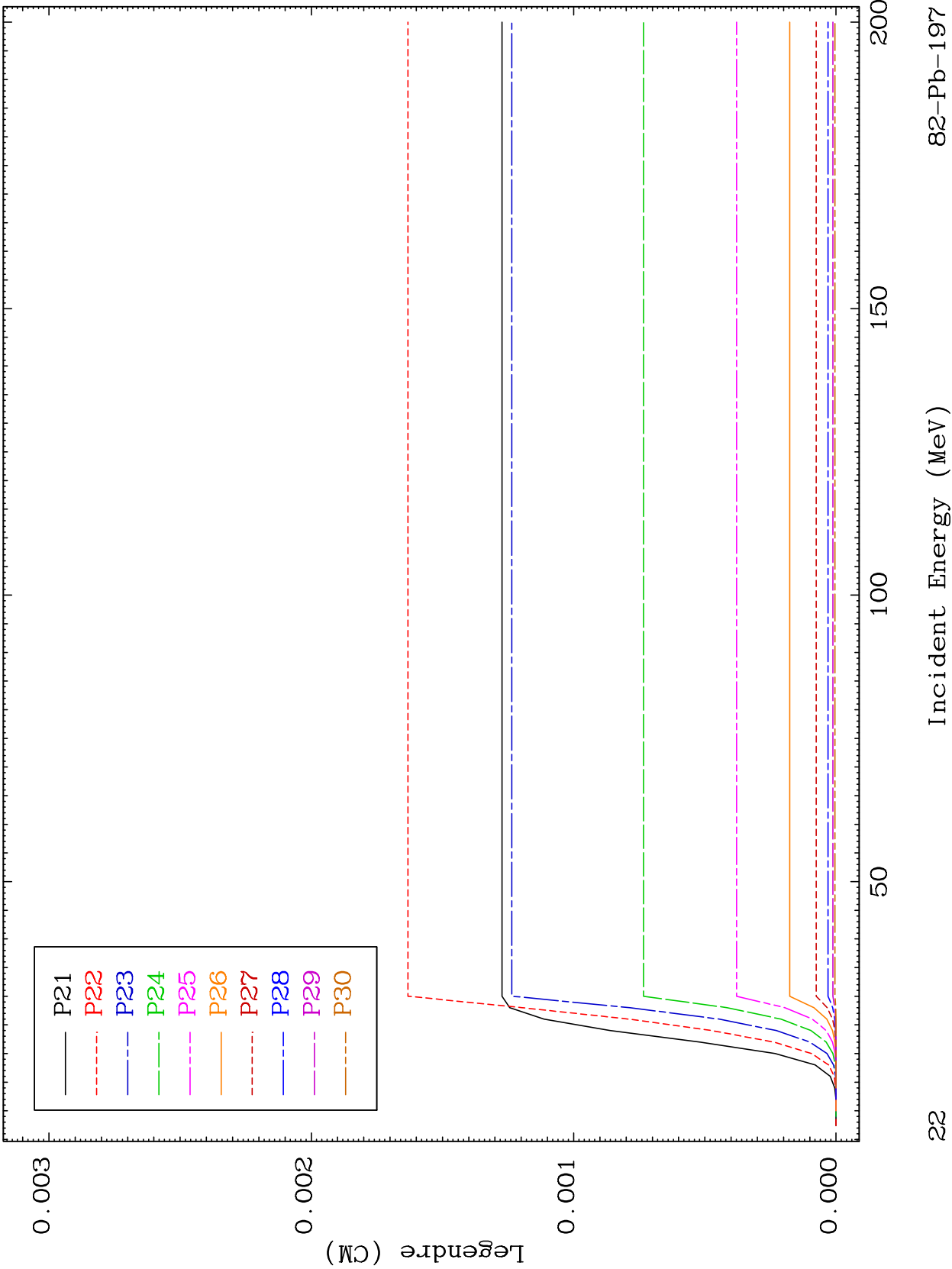
82-Pb-197



MAT 8204

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

82-Pb-197



22

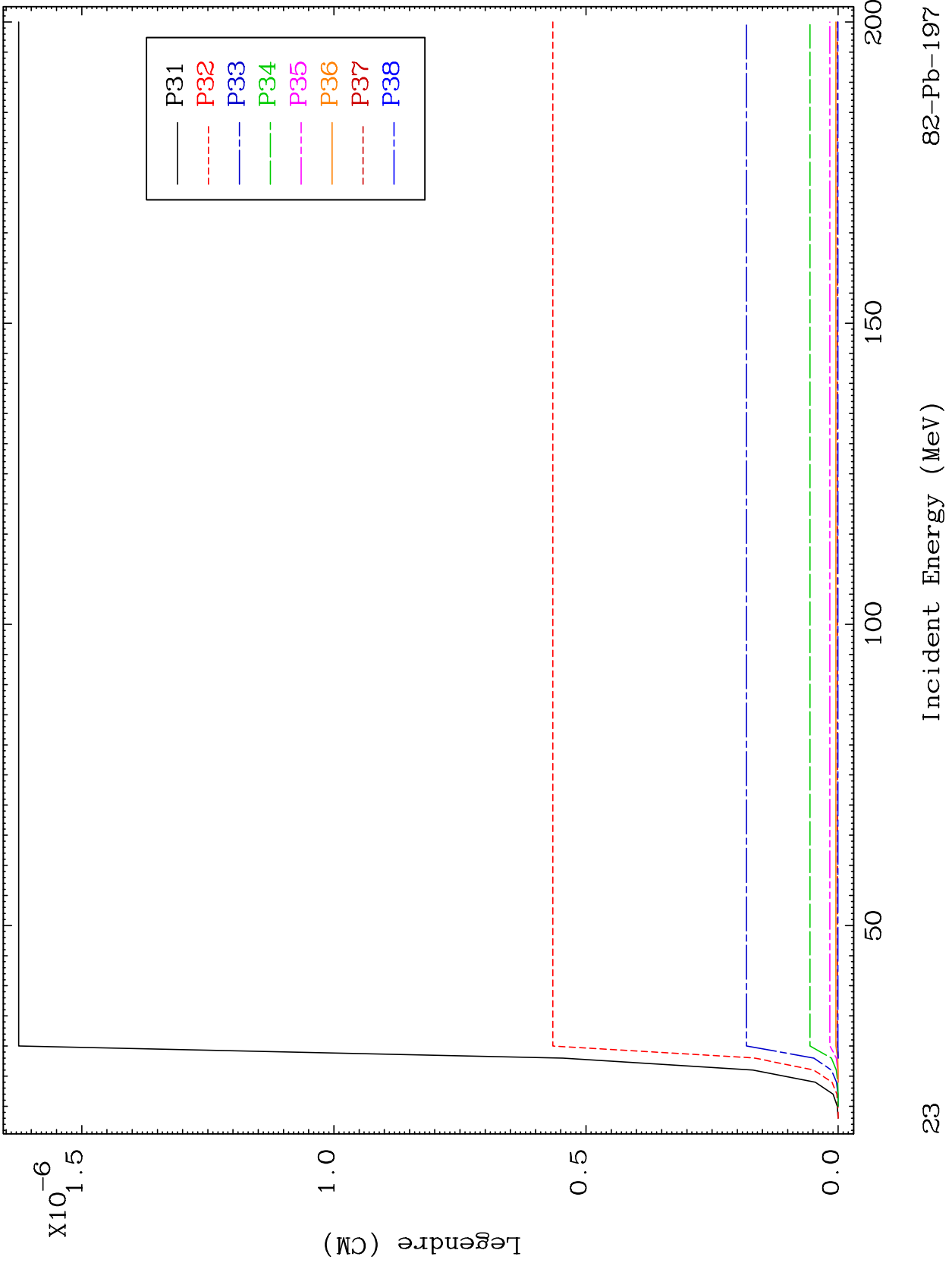
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

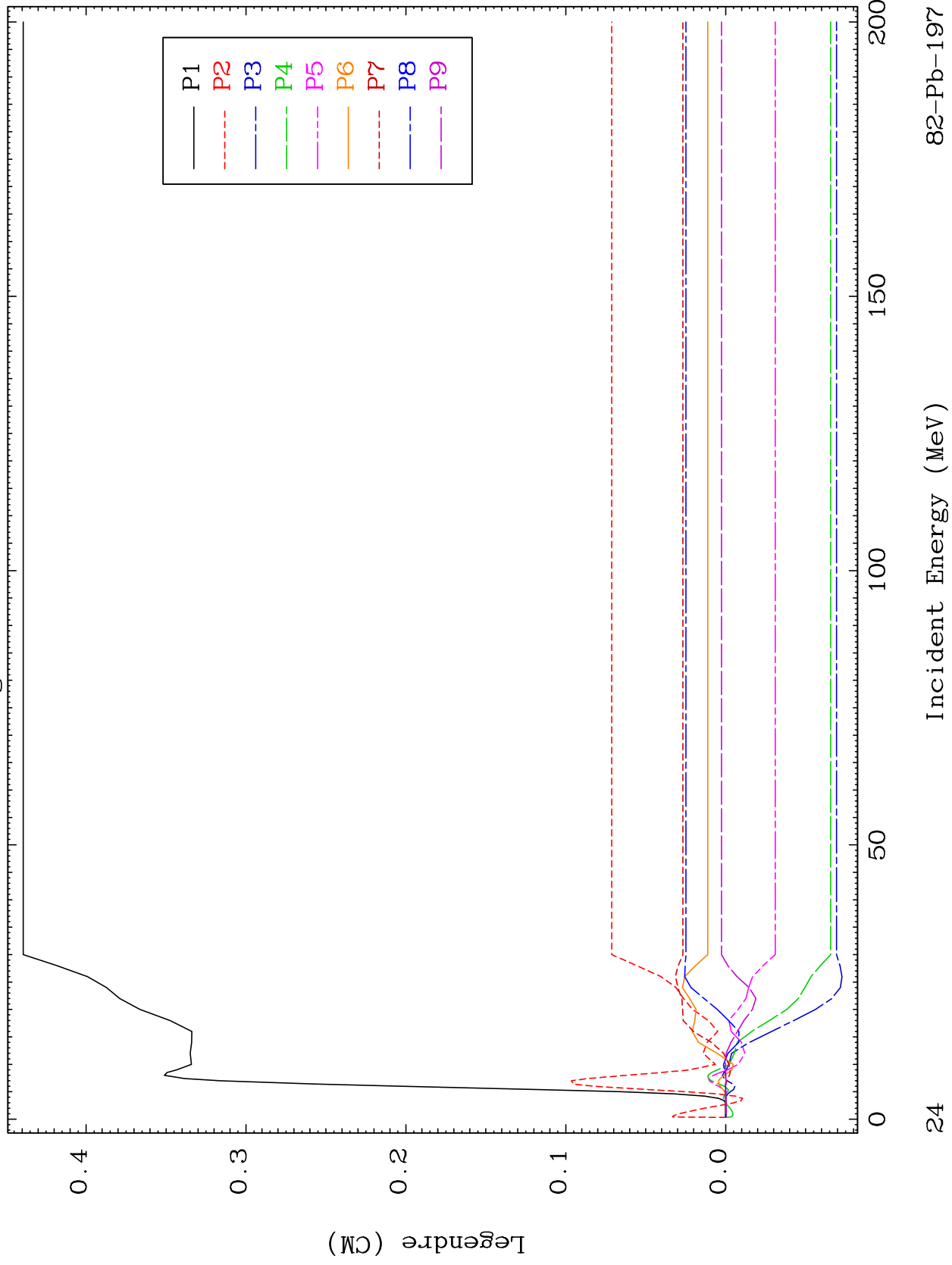
82-Pb-197



MAT 8204

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

82-Pb-197



82-Pb-197

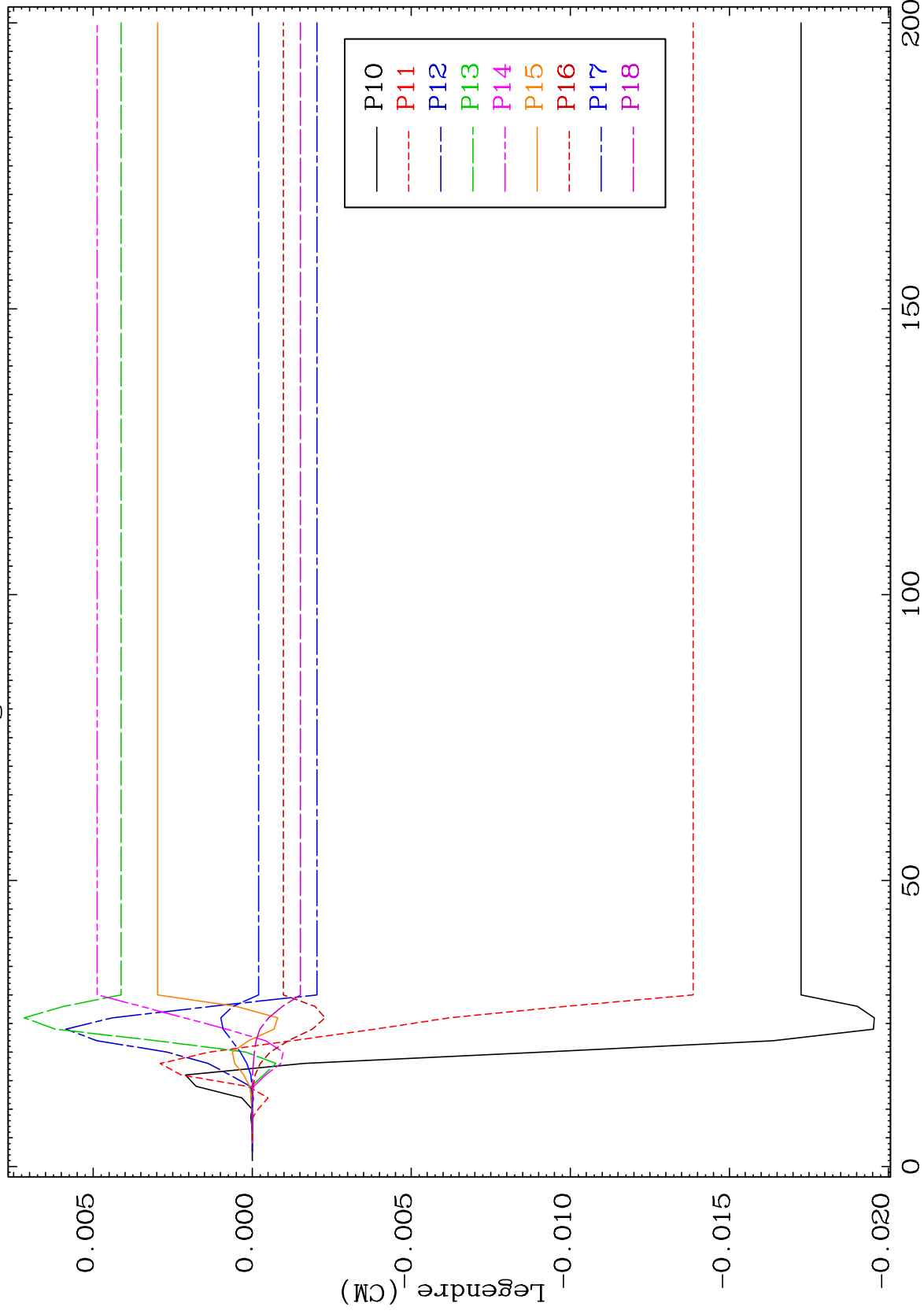
Incident Energy (MeV)

24

MAT 8204

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

82-Pb-197



25

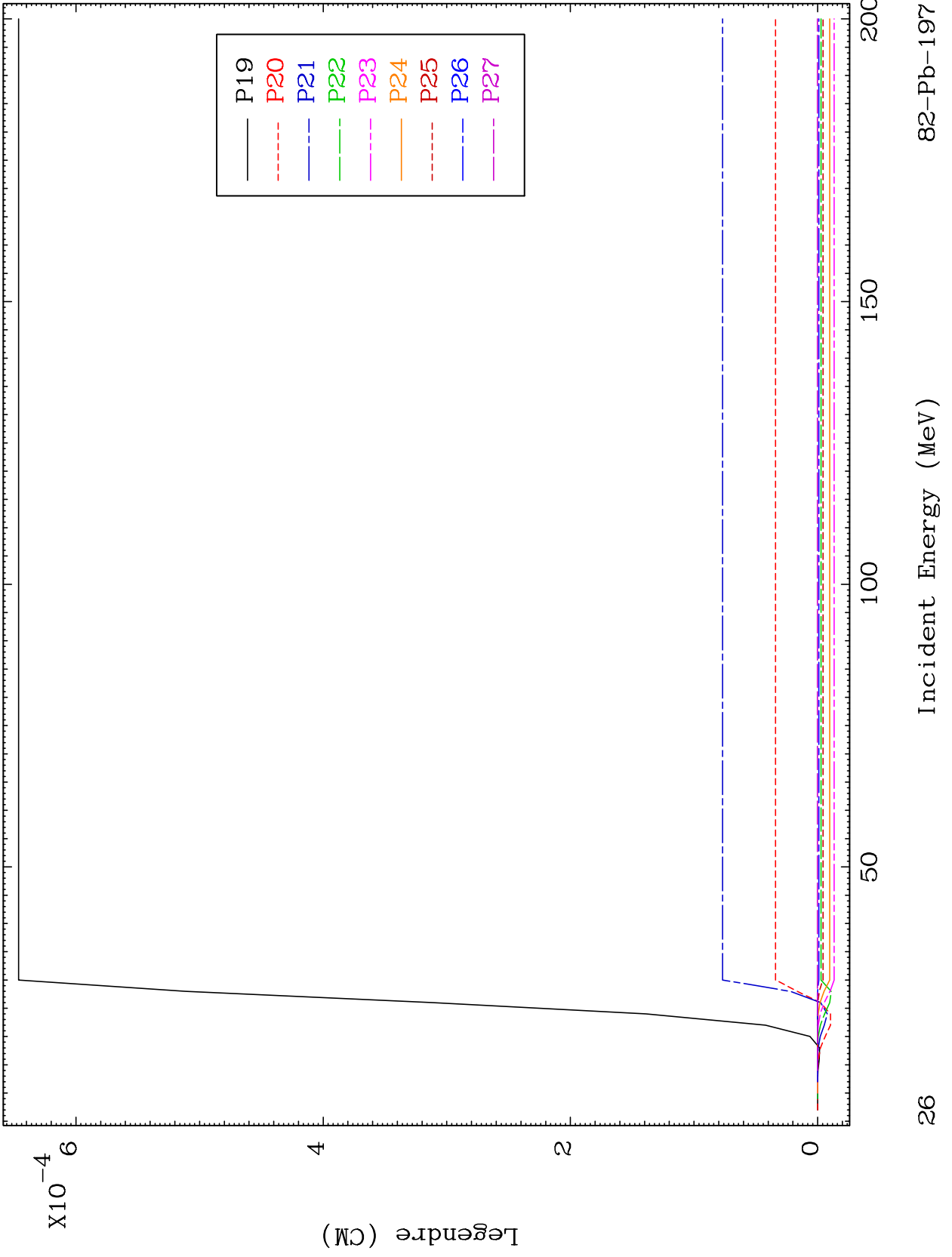
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

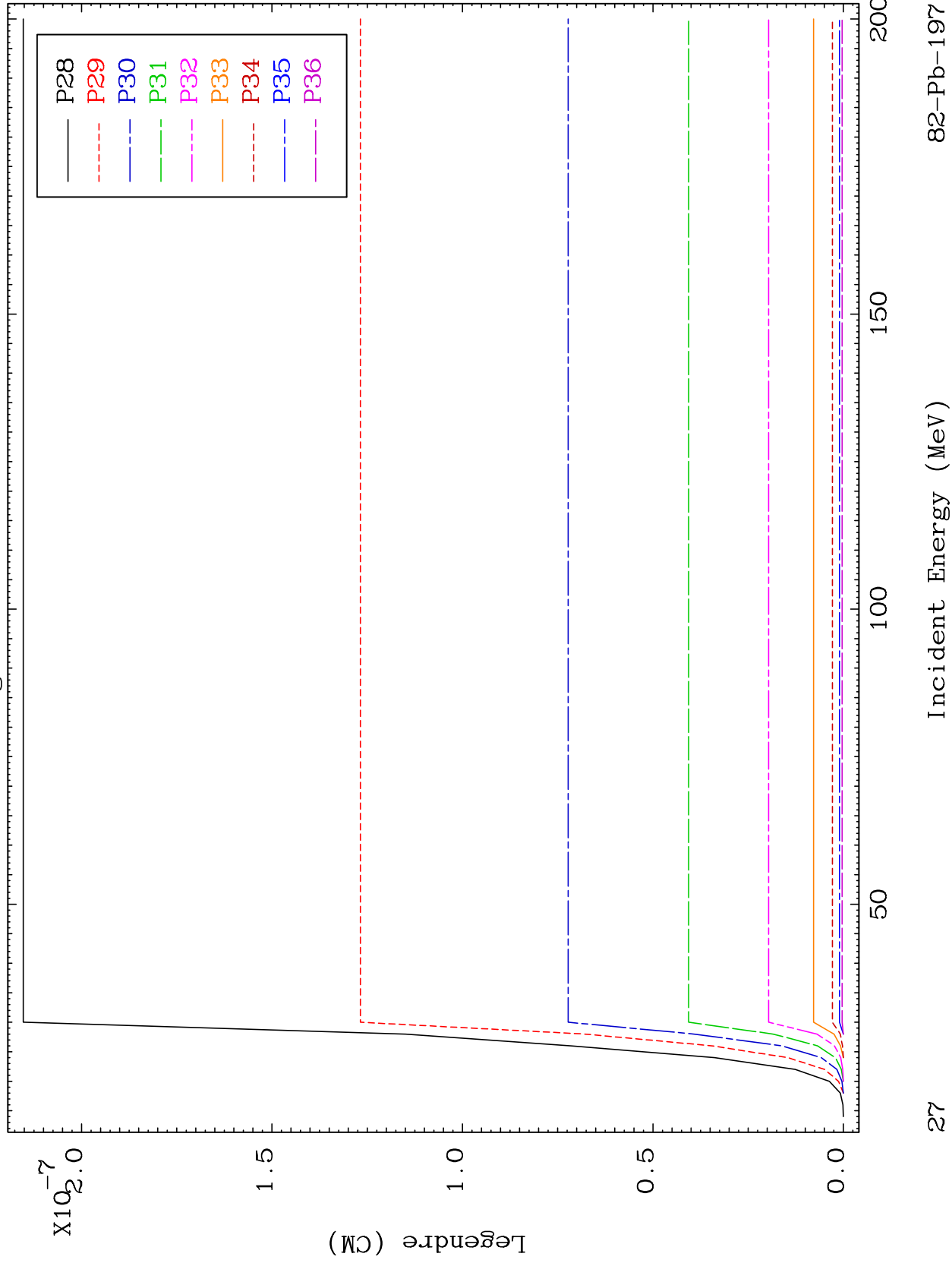
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MAT 8204

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

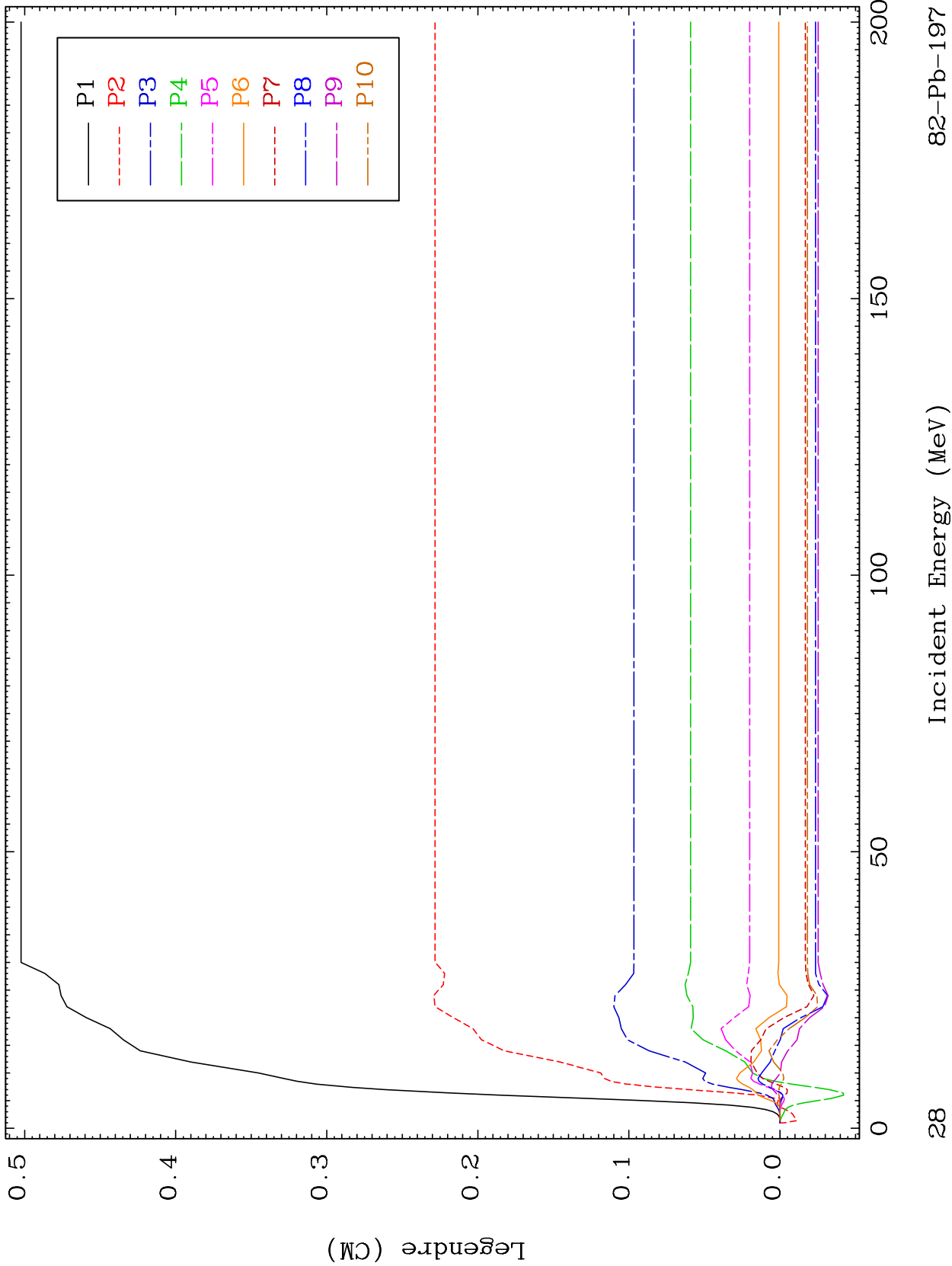
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MAT 8204

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

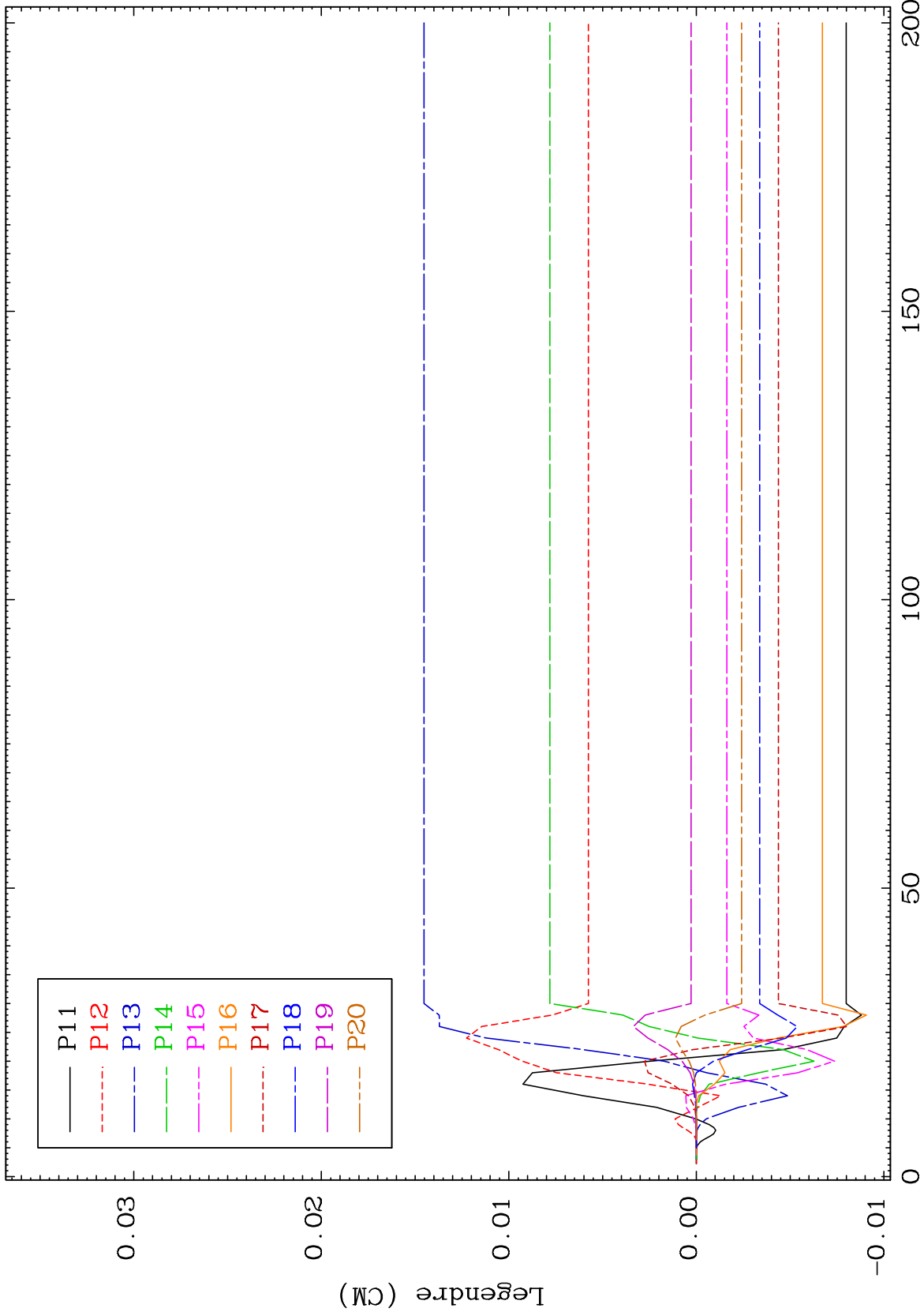
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MAT 8204

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

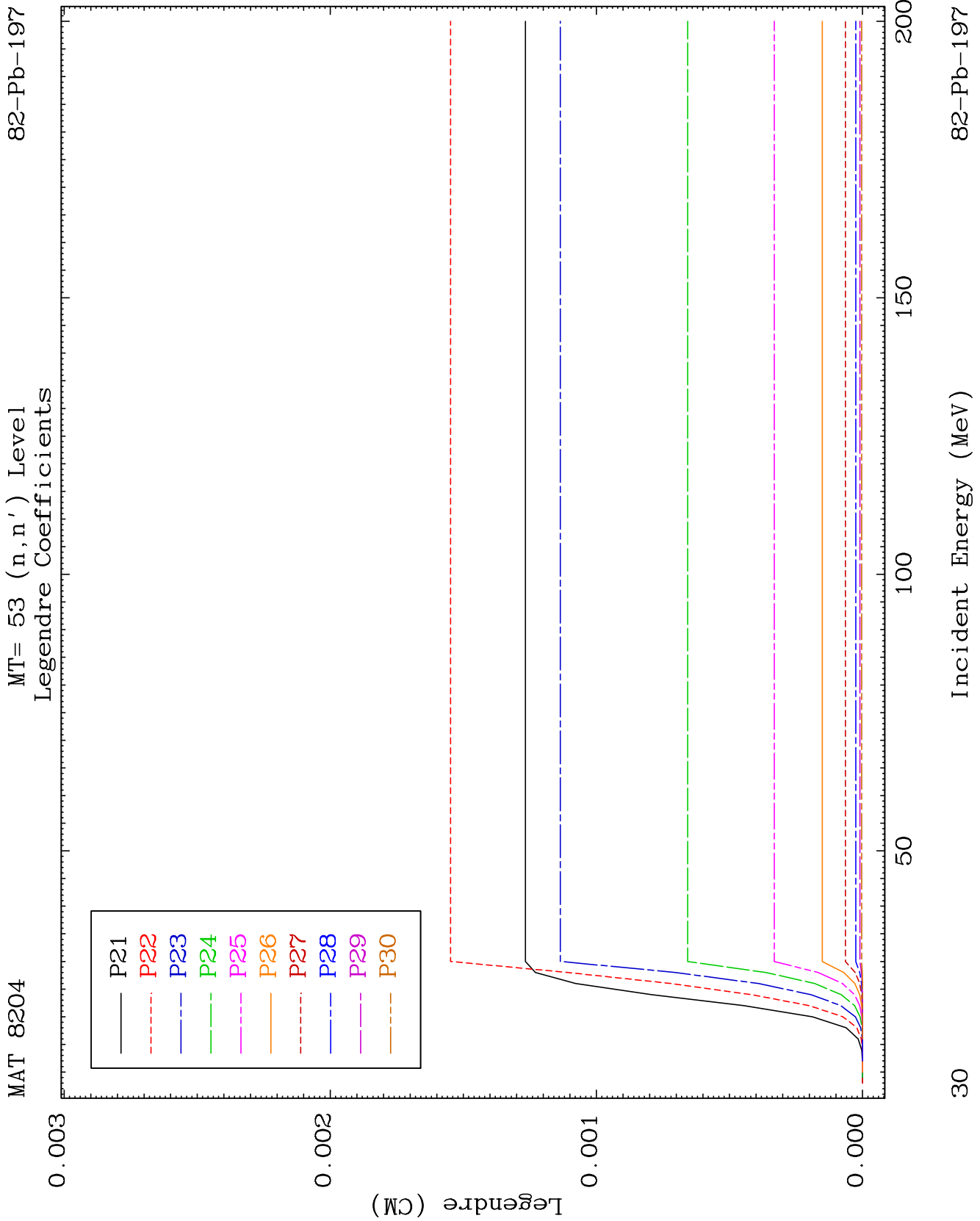
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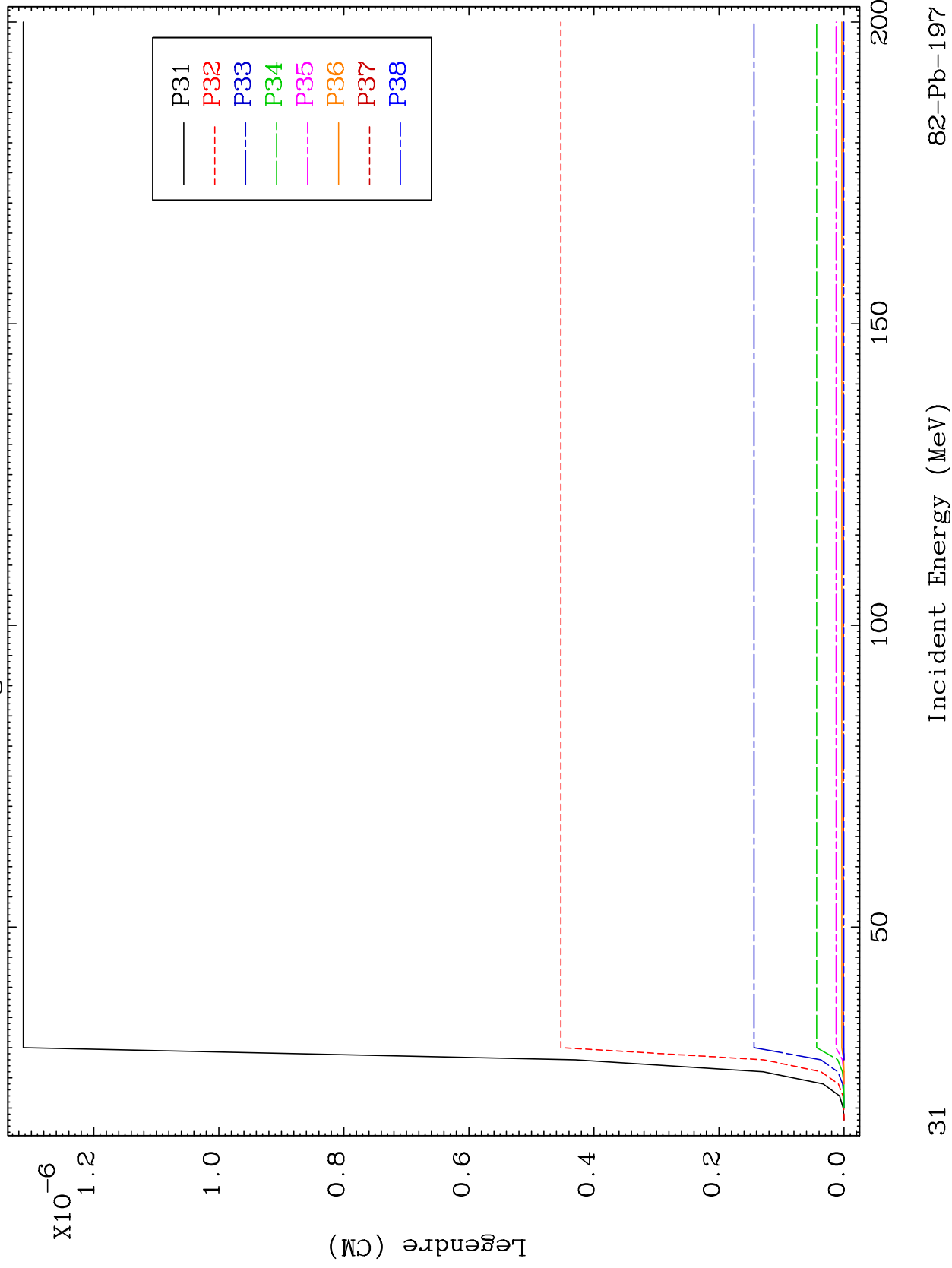


29

Incident Energy (MeV)

82-Pb-197

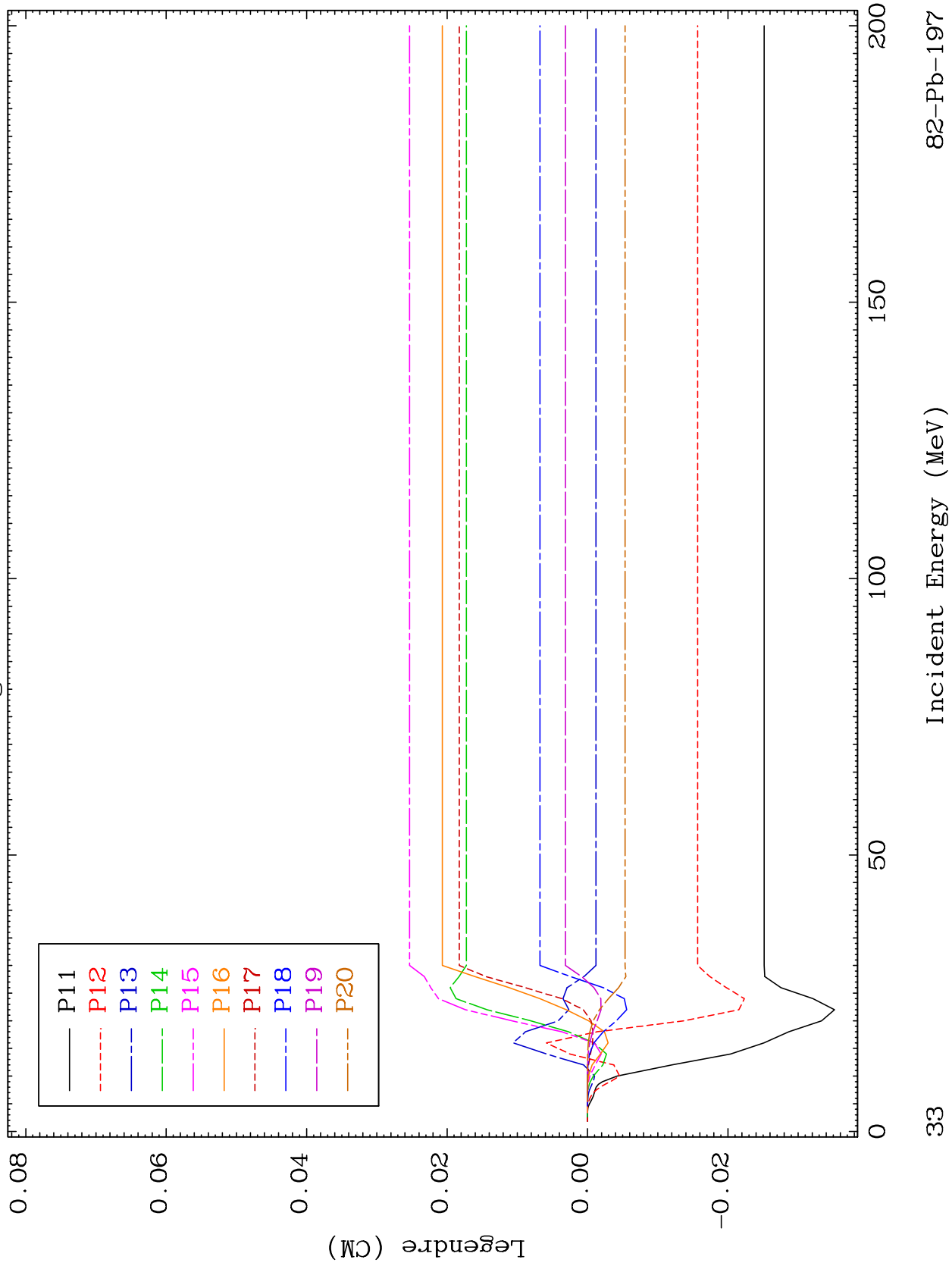




MAT 8204

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

82-Pb-197



33

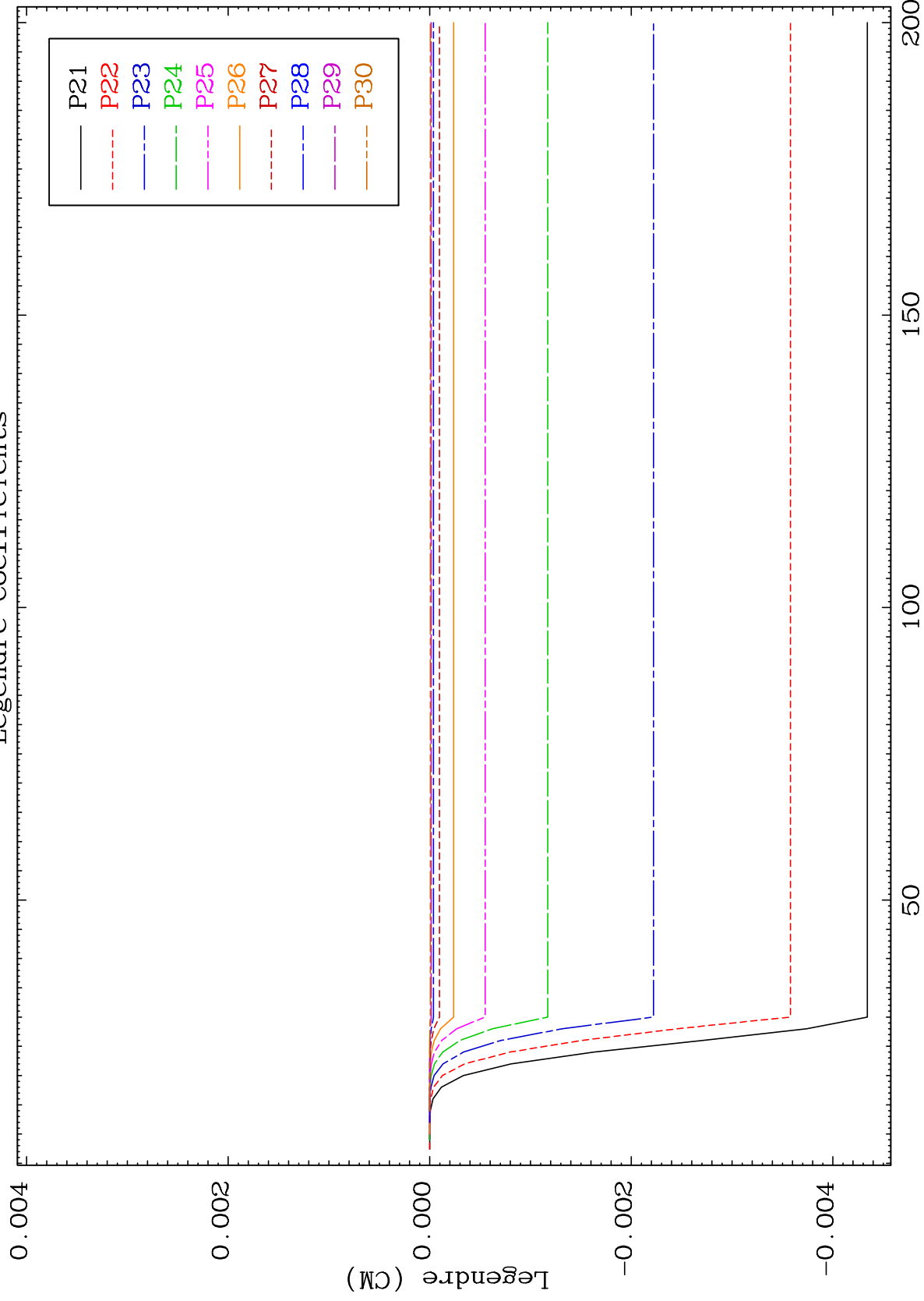
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

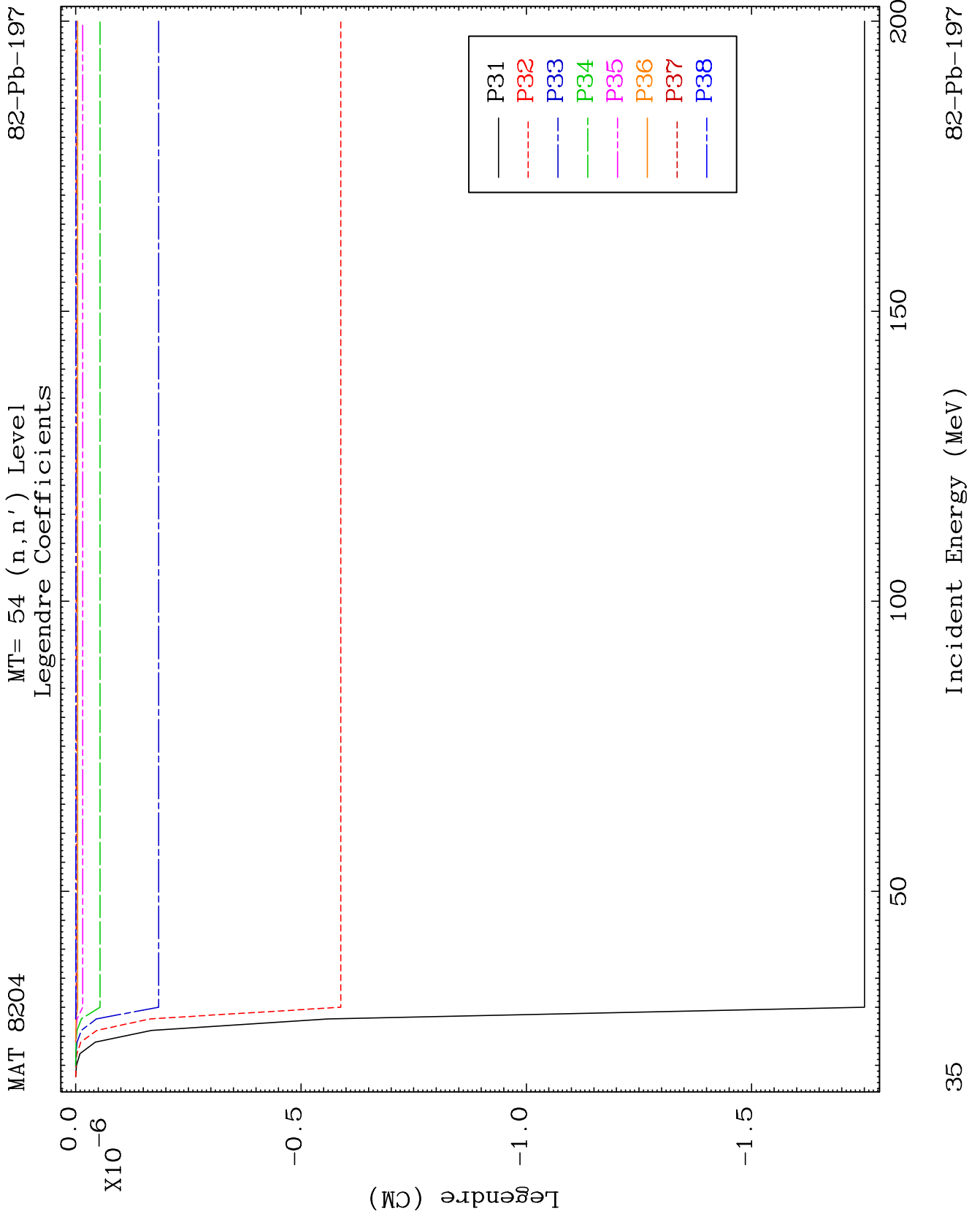
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34

Incident Energy (MeV)

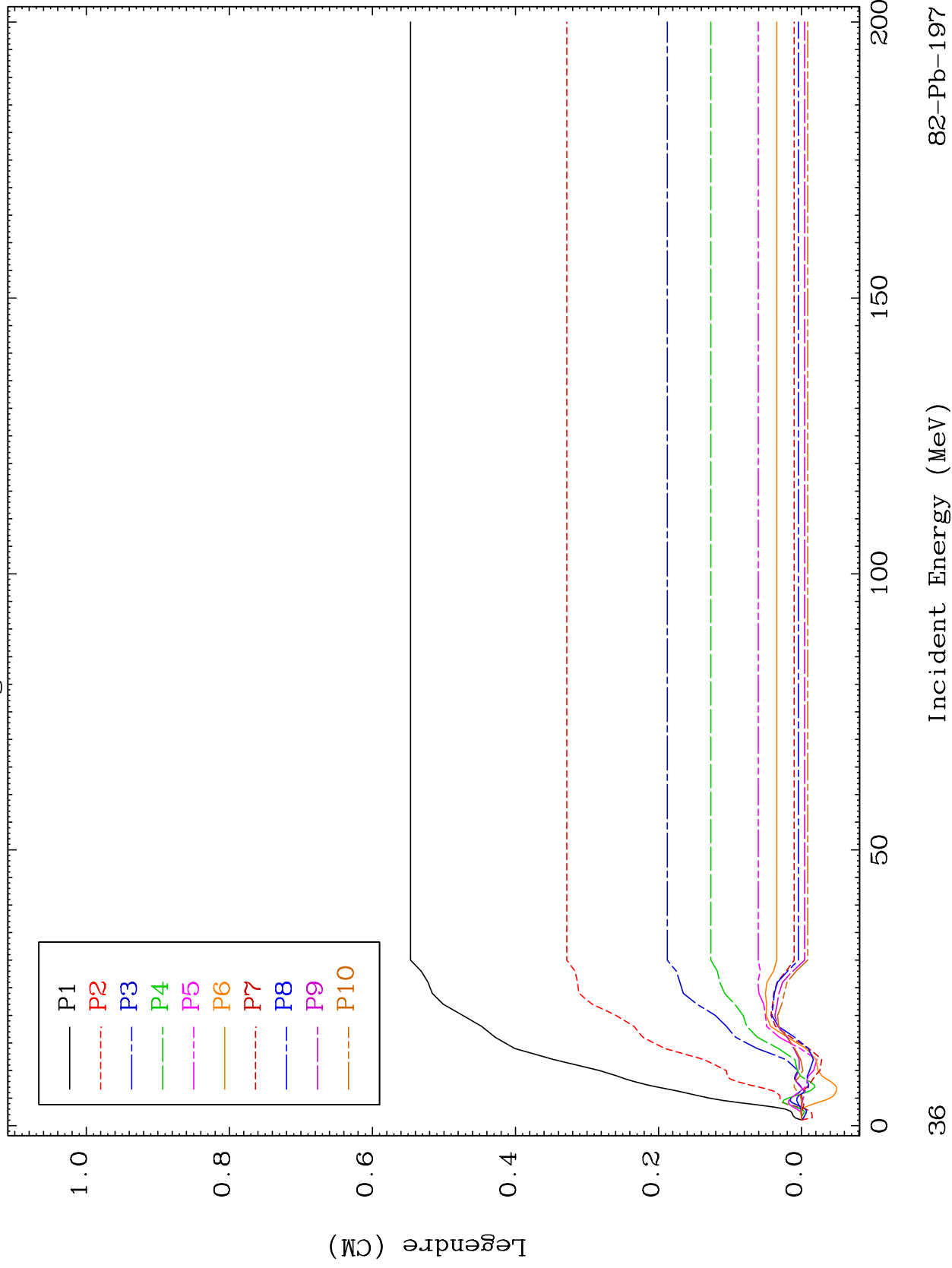
82-Pb-197



MAT 8204

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

82-Pb-197

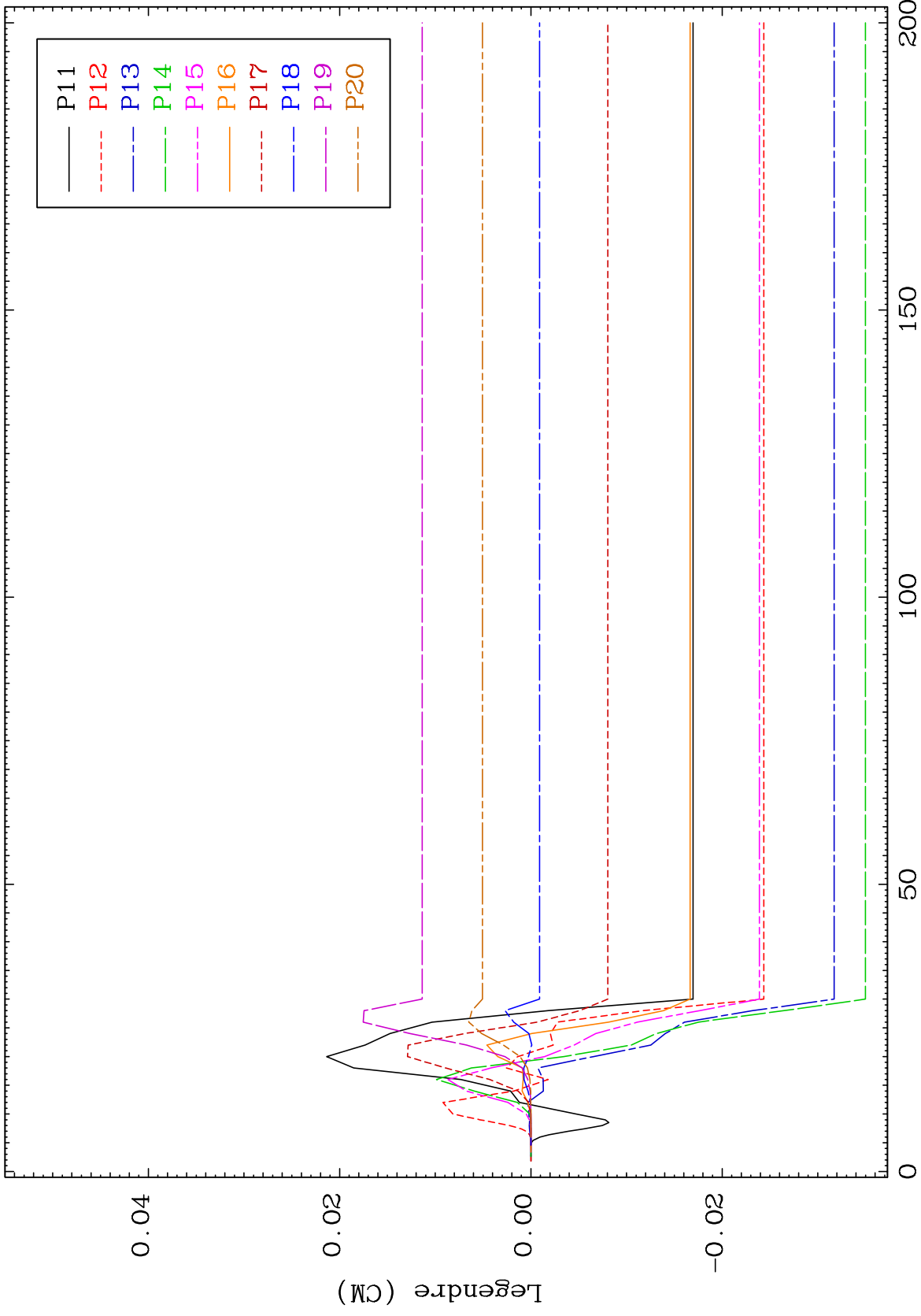


36

MAT 8204

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

82-Pb-197



37

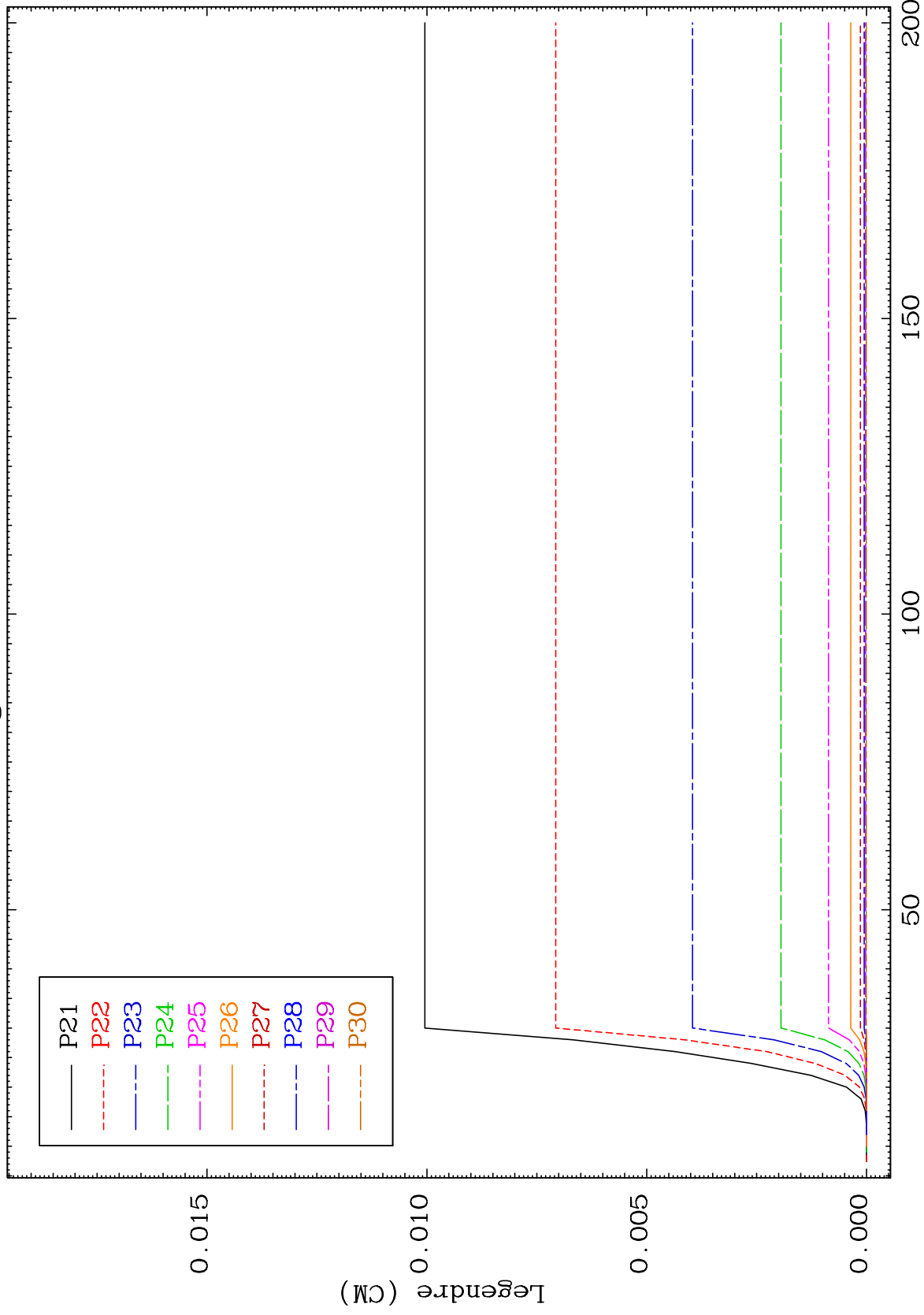
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



38

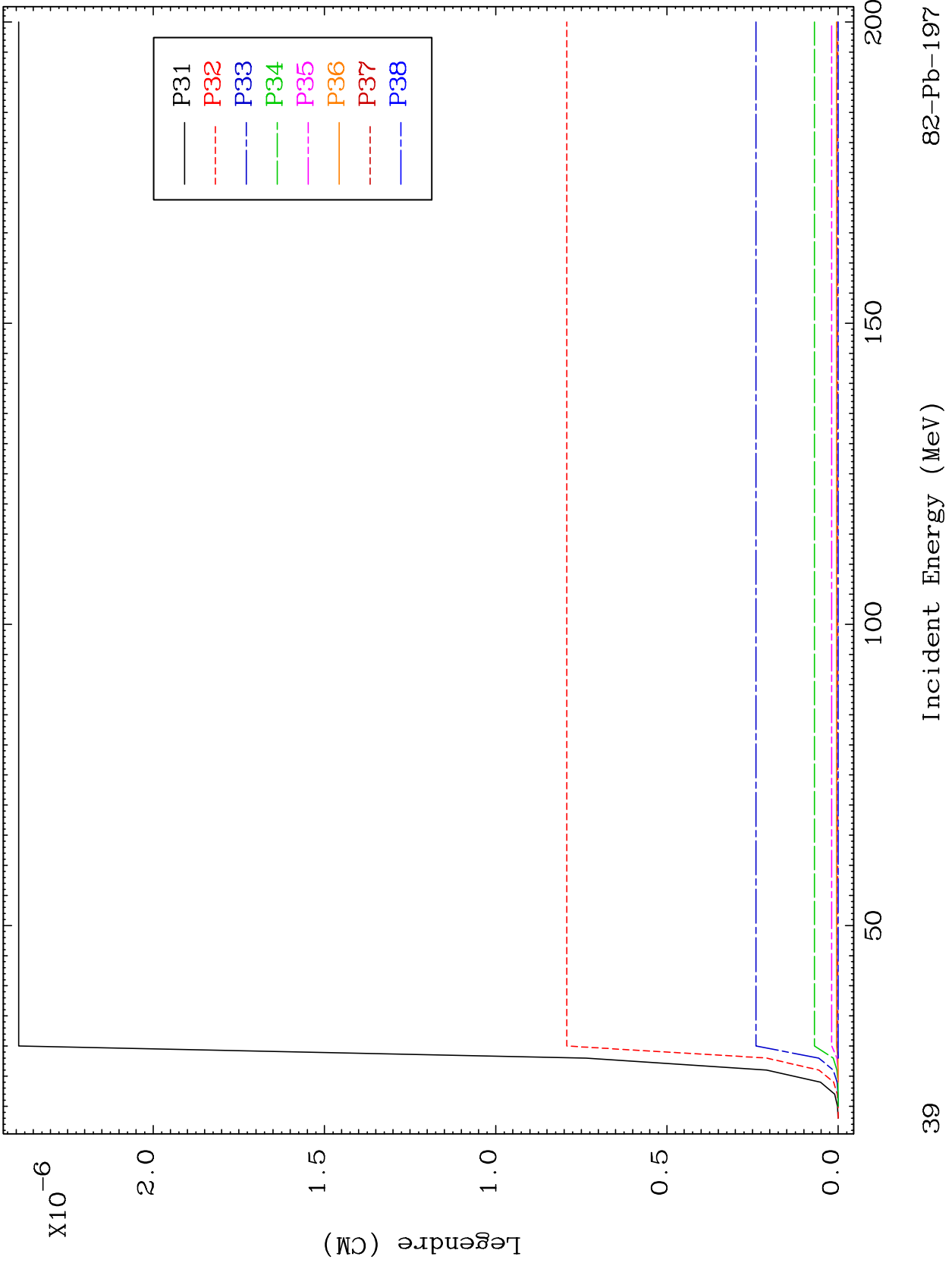
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



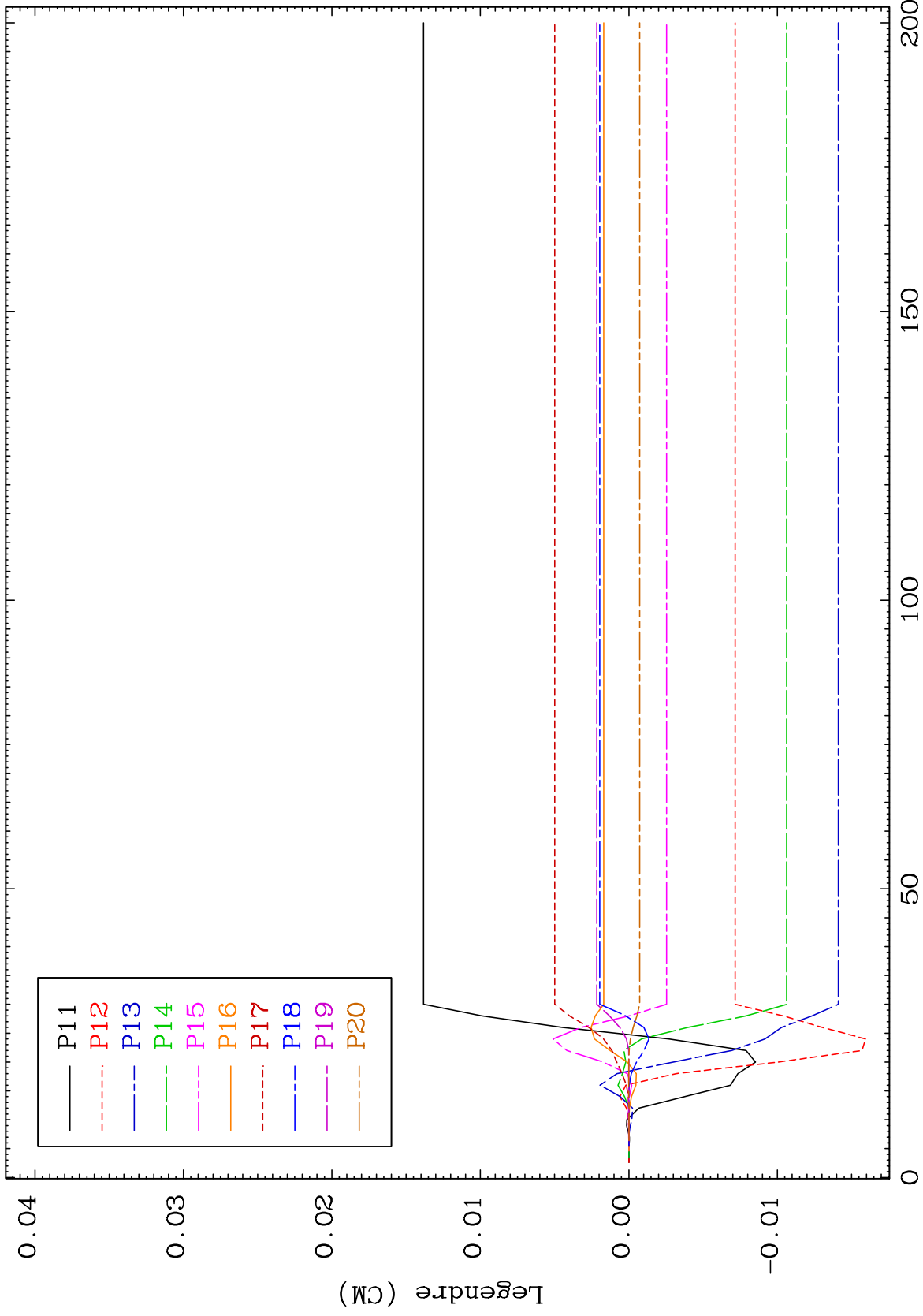
39

82-Pb-197

MAT 8204

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

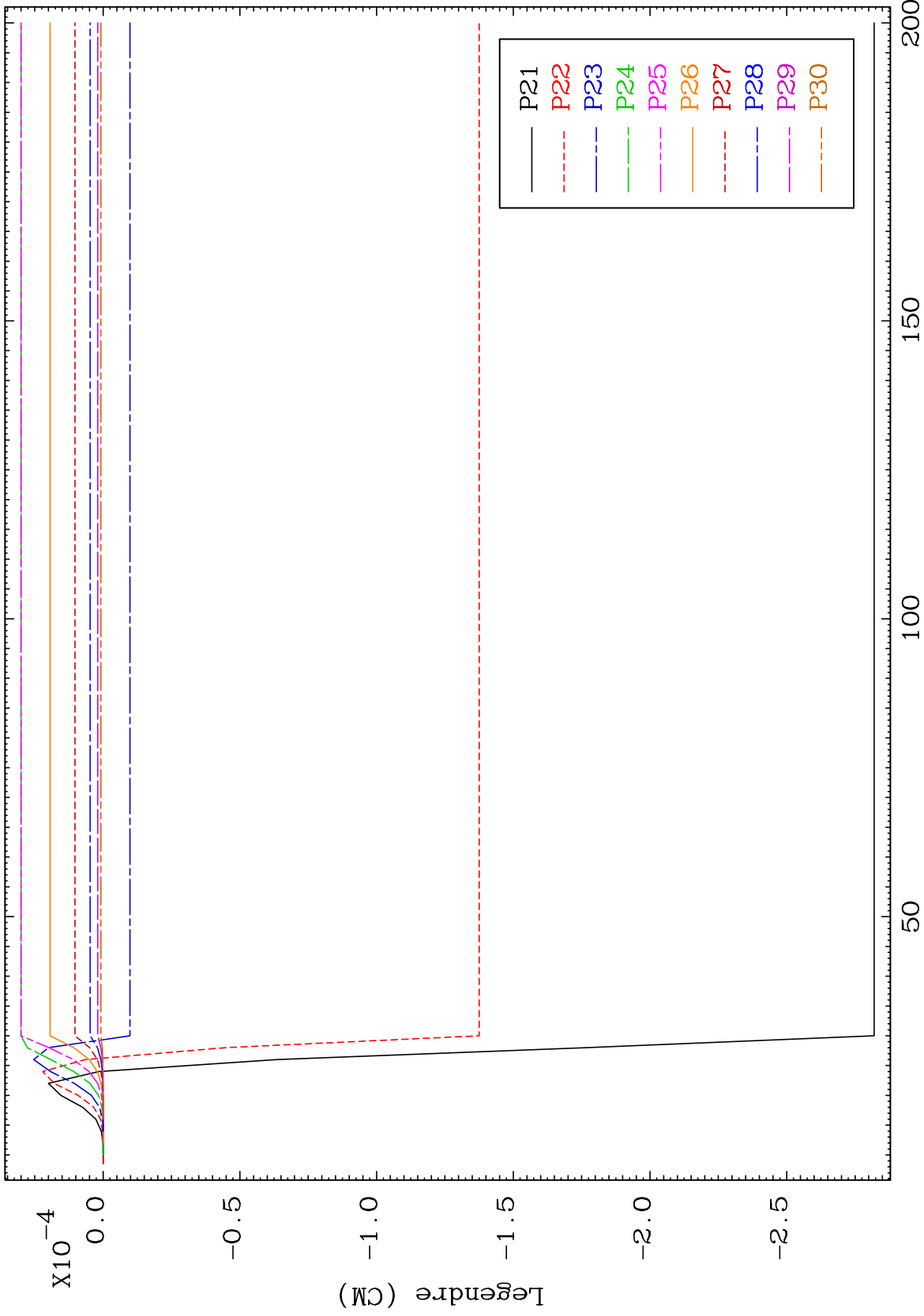
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MAT 8204

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

82-Pb-197



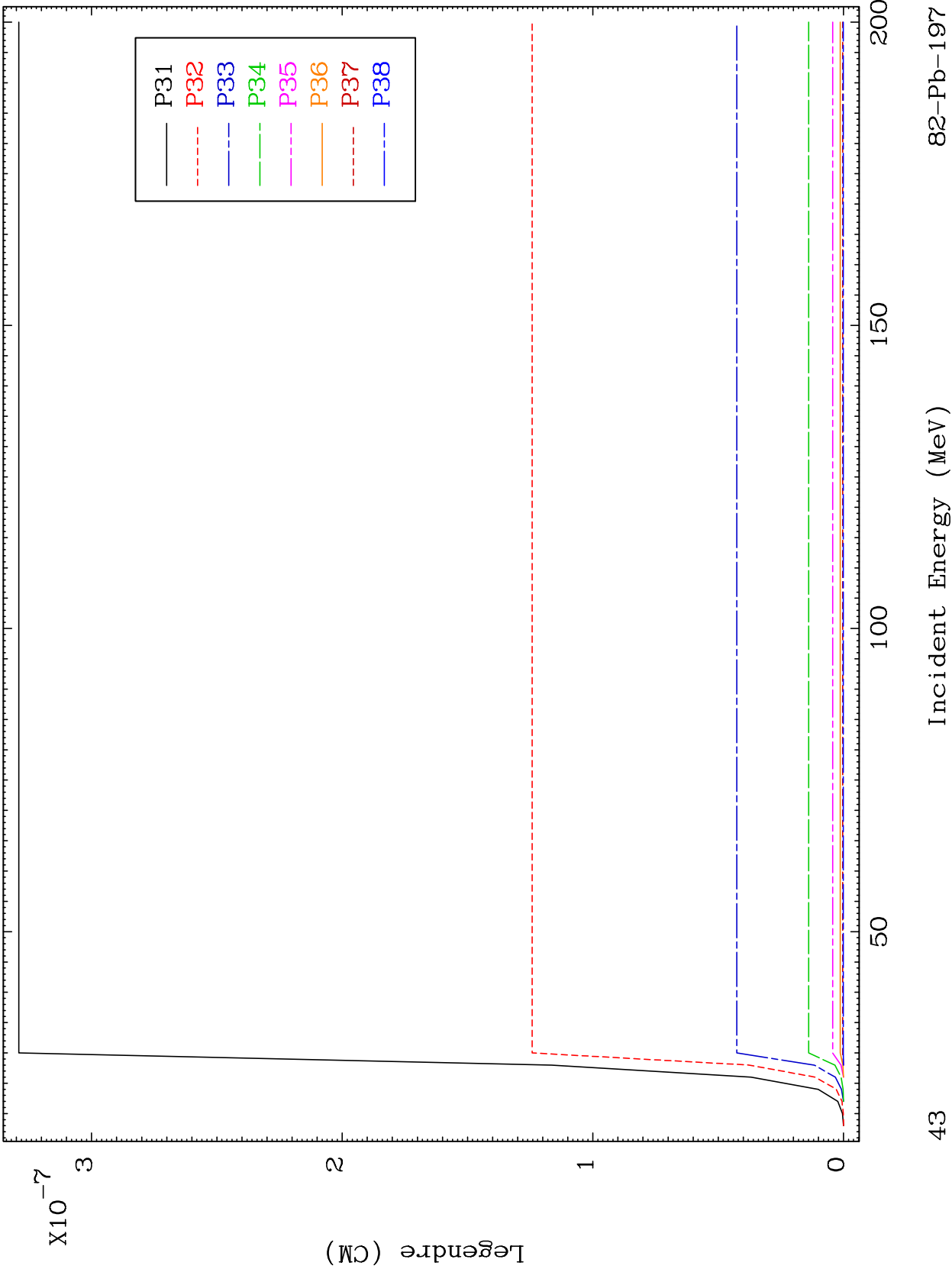
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82-Pb-197

MAT 8204

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

82-Pb-197



43

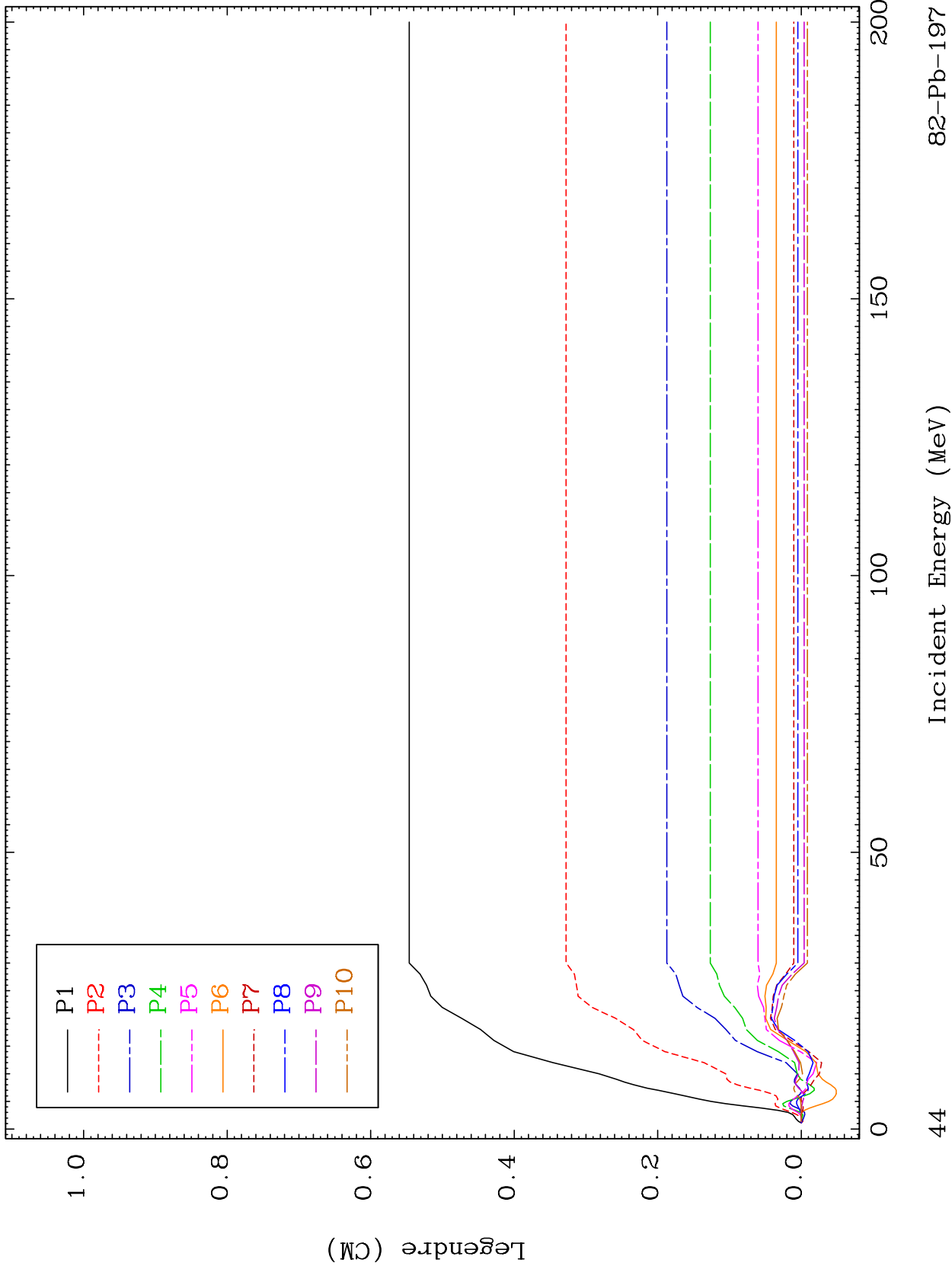
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



44

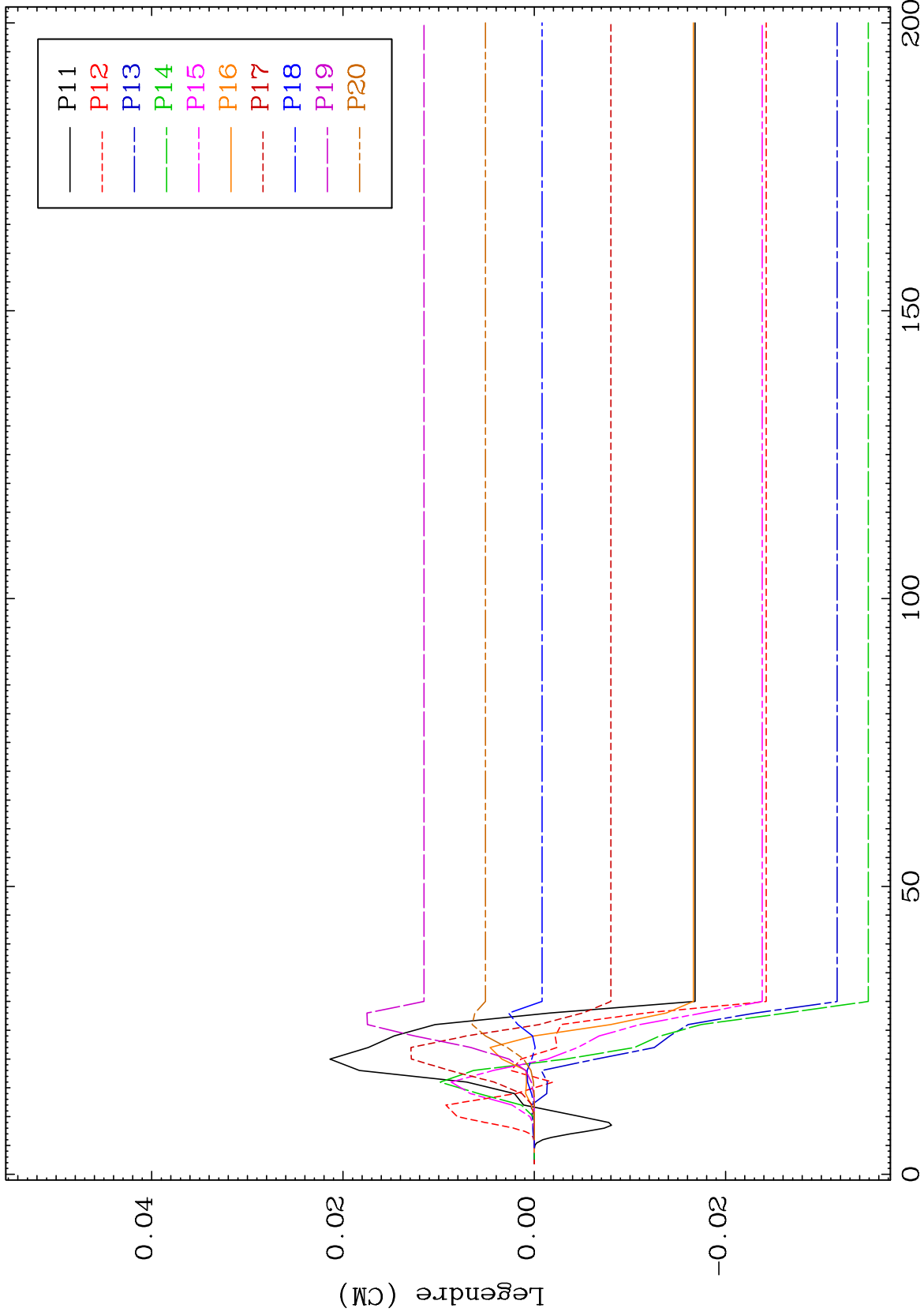
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



82-Pb-197

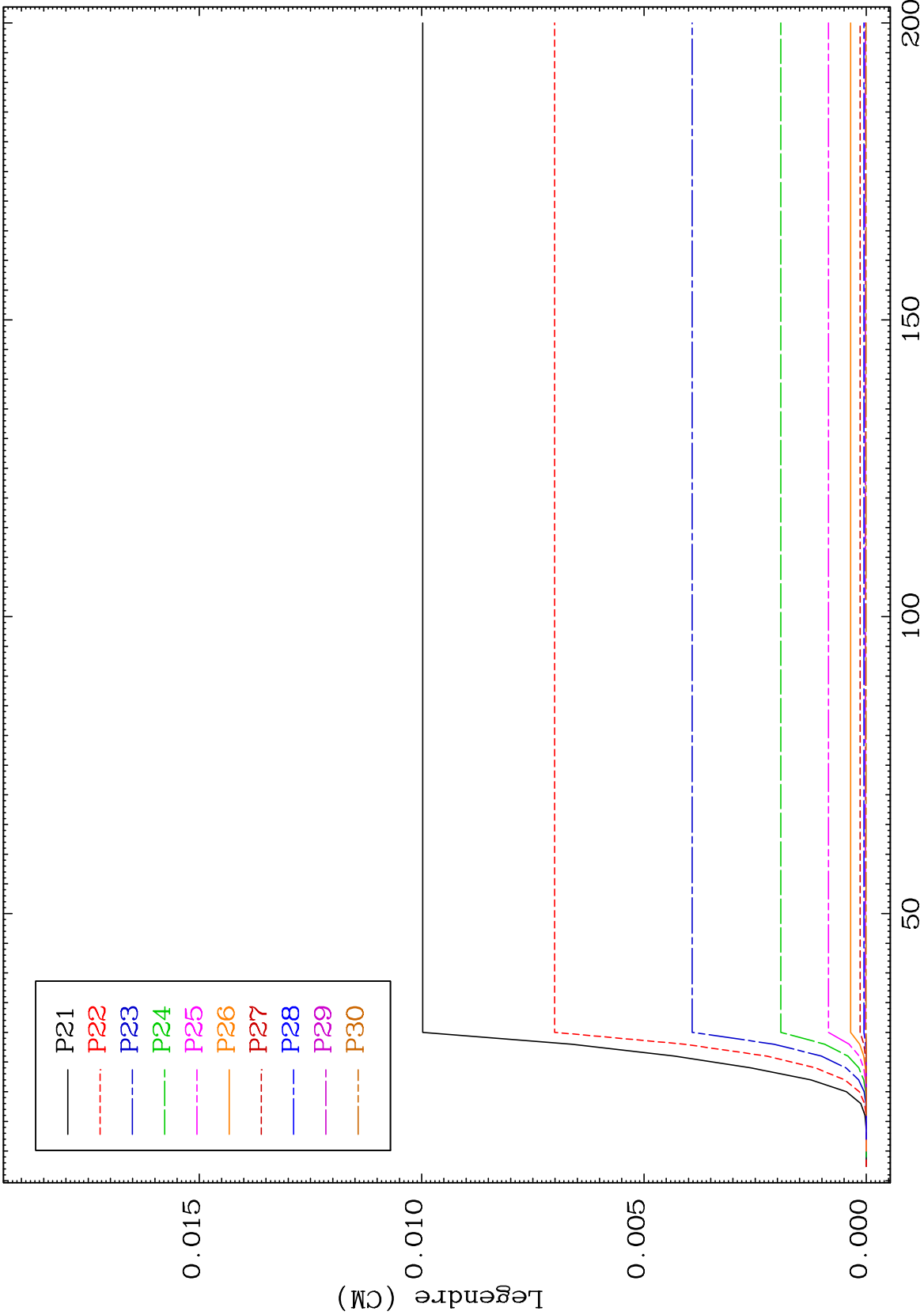
Incident Energy (MeV)

45

MAT 8204

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

82-Pb-197



46

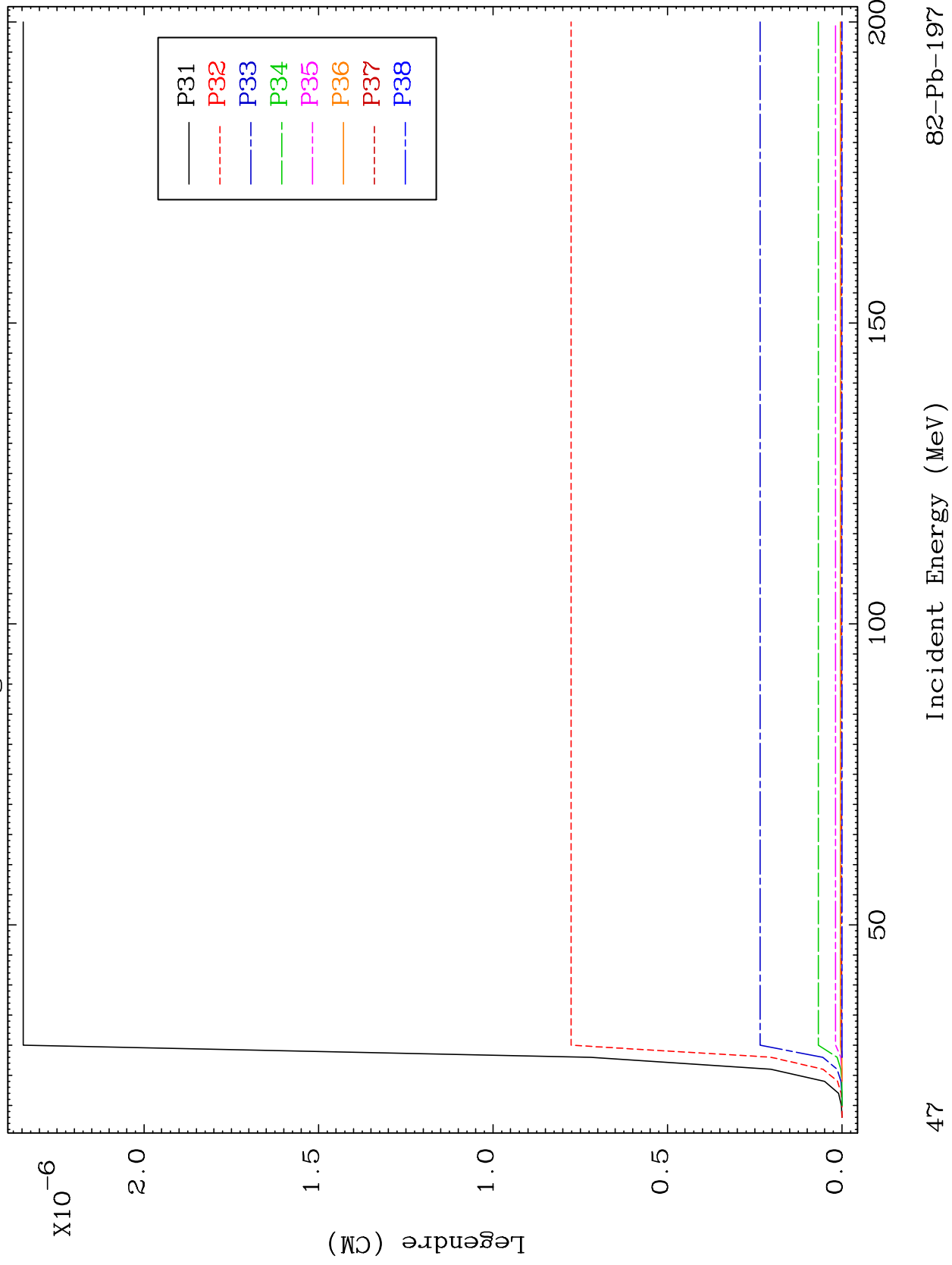
Incident Energy (MeV)

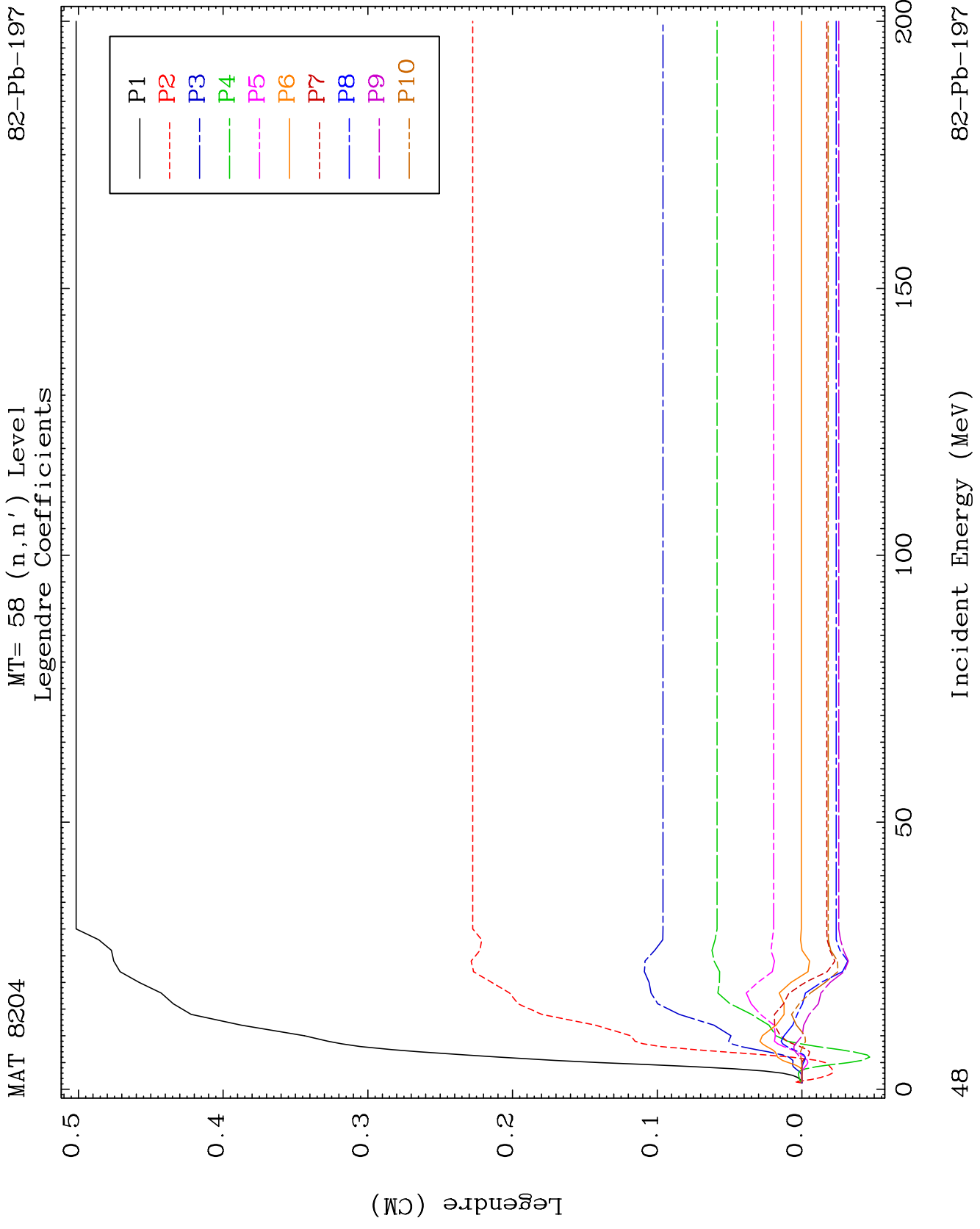
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MAT 8204

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

82-Pb-197

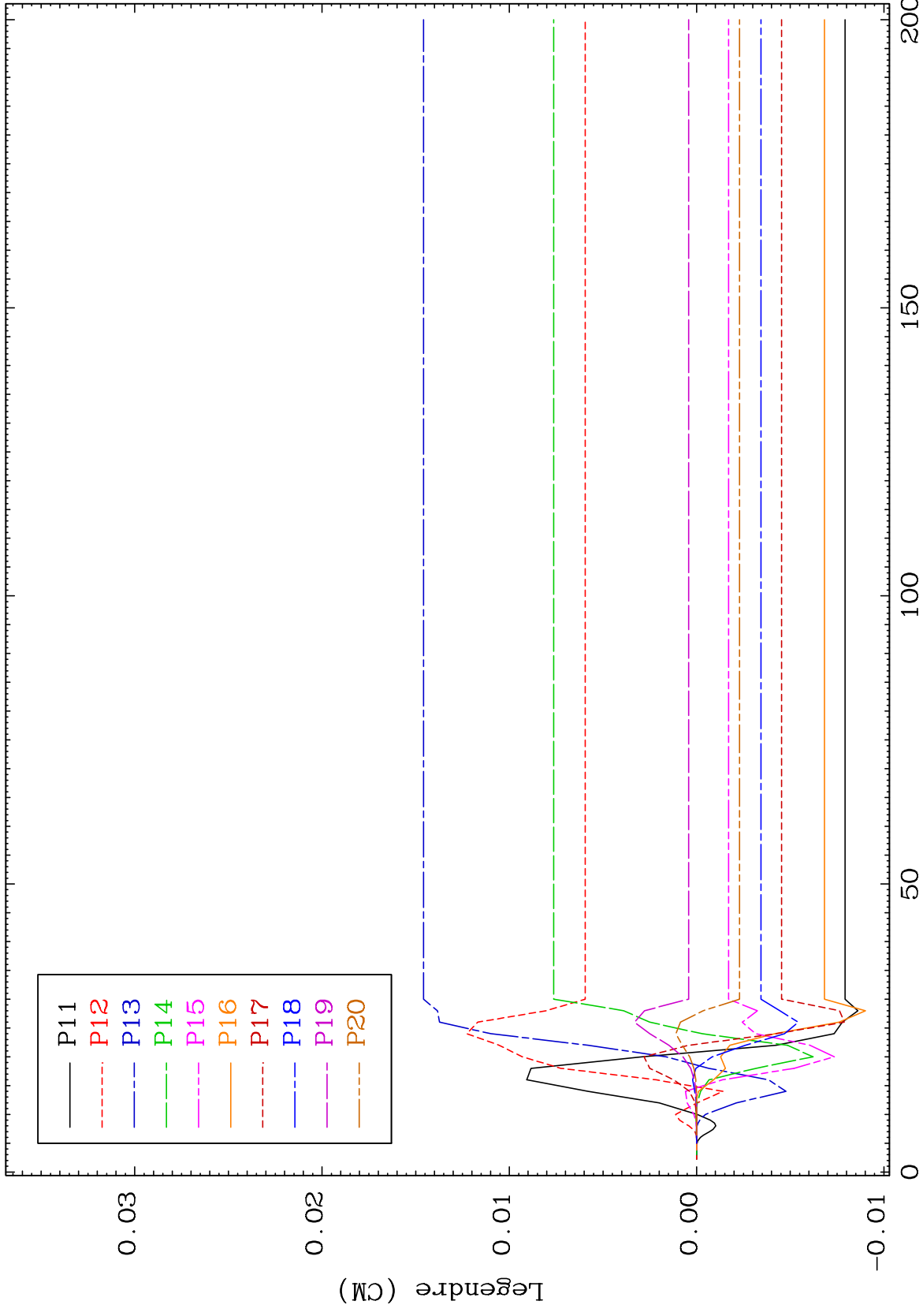




MAT 8204

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

82-Pb-197



49

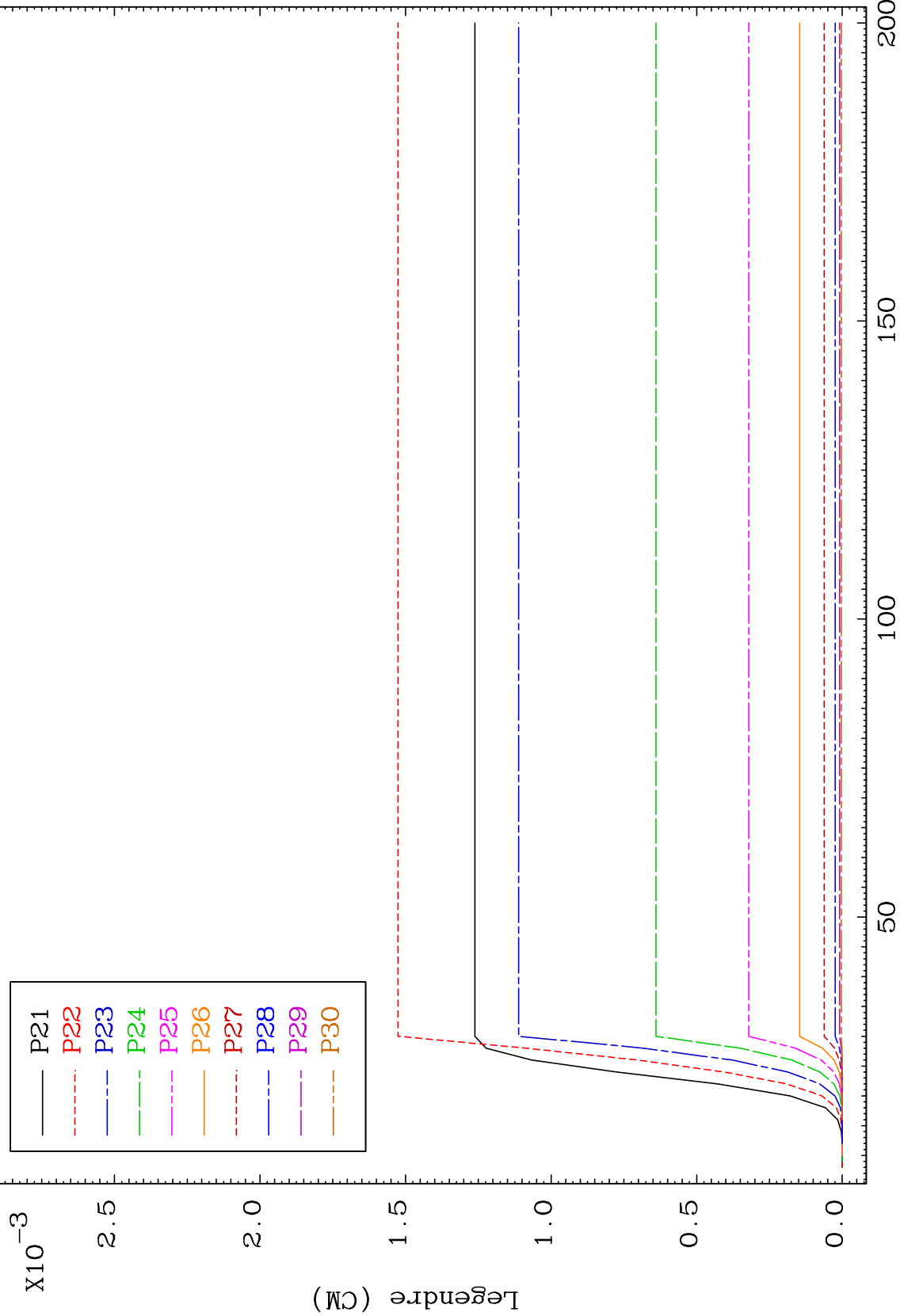
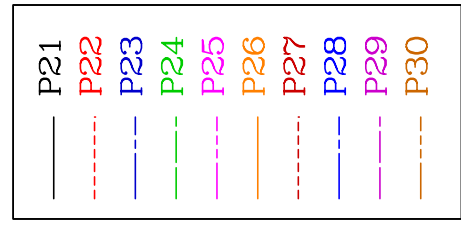
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

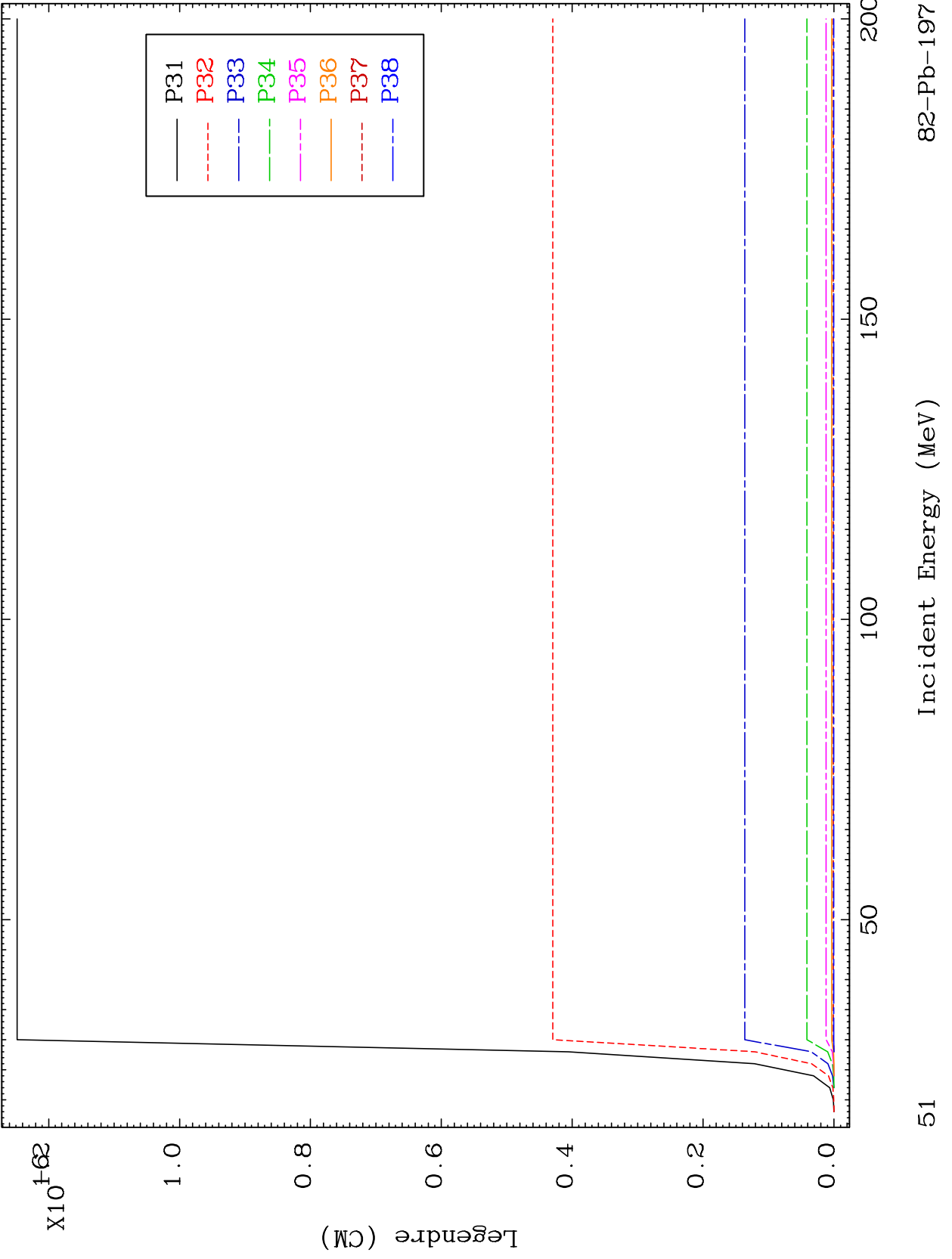
82-Pb-197



50

Incident Energy (MeV)

82-Pb-197

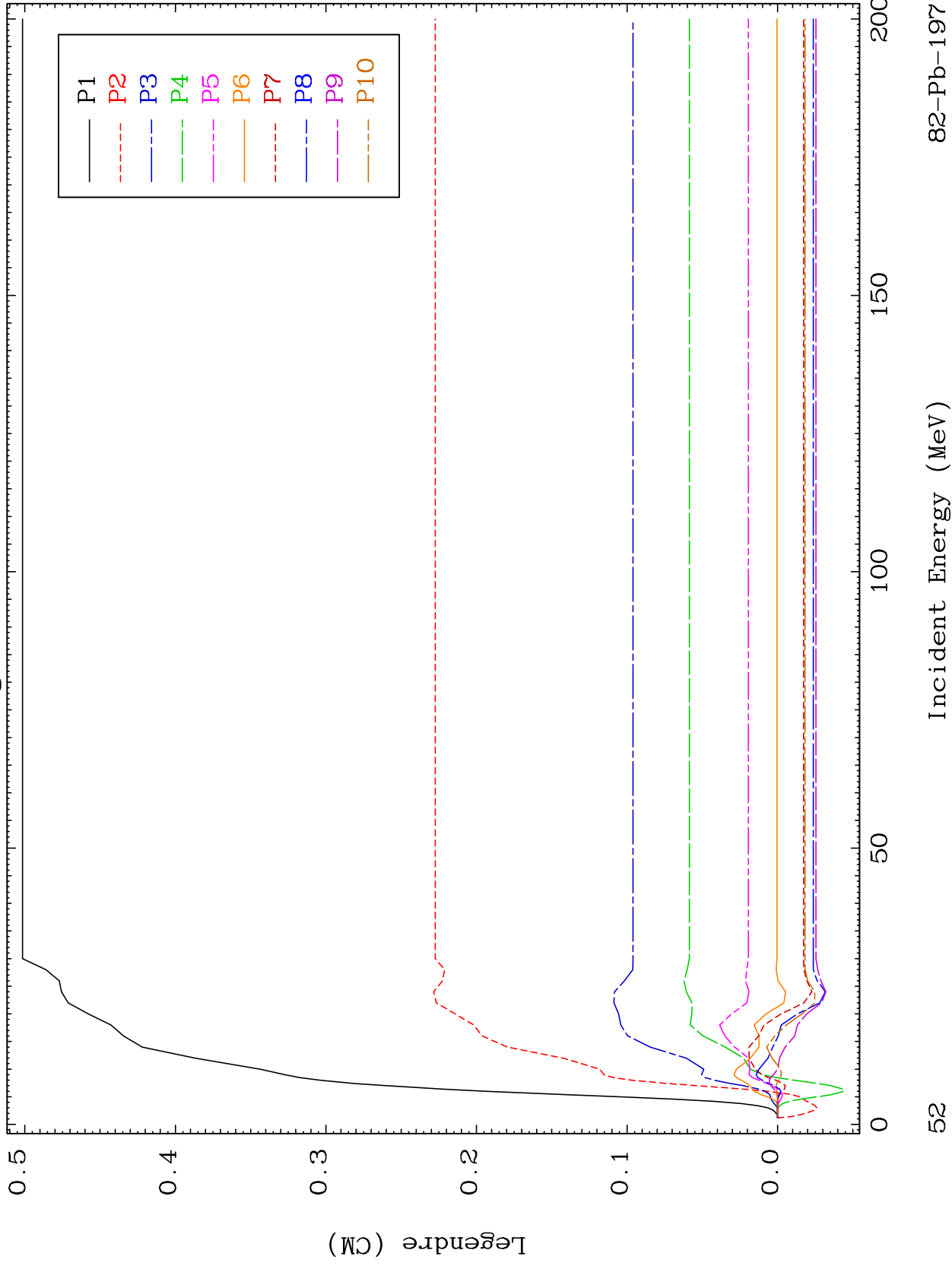


MAT 8204

MT= 59 (n,n') Level

82-Pb-197

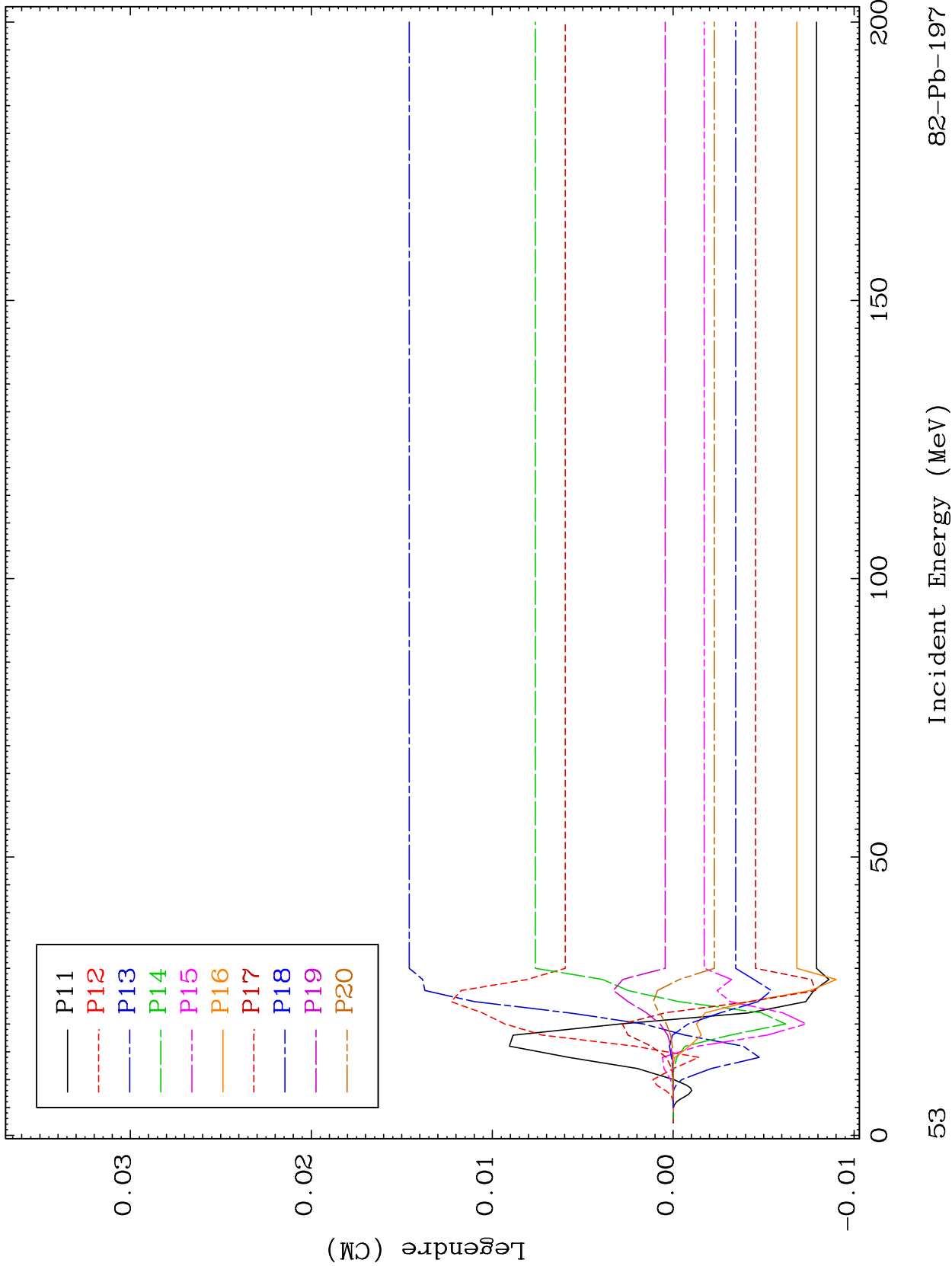
Legendre Coefficients



MAT 8204

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

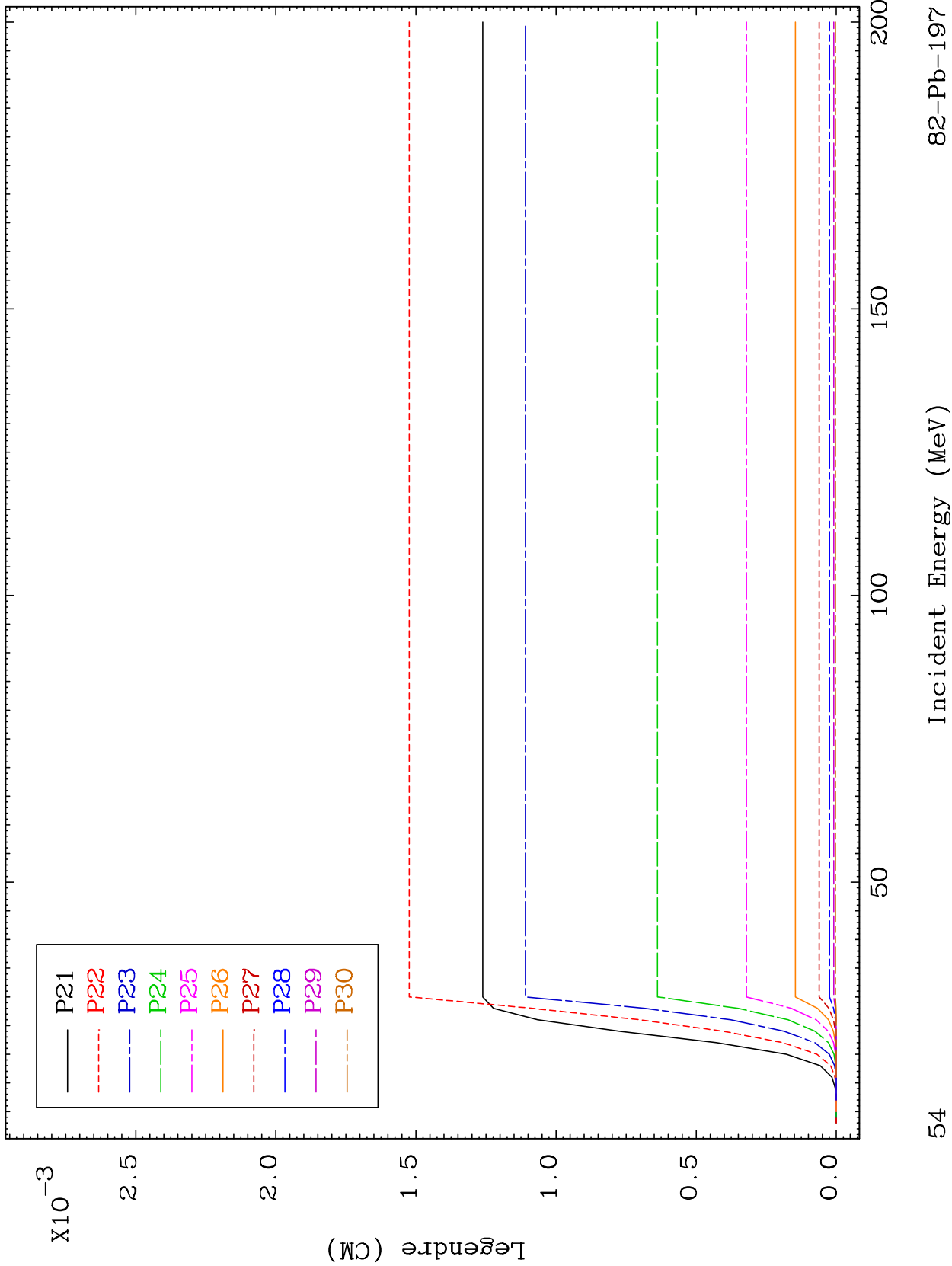
82-Pb-197



53

Incident Energy (MeV)

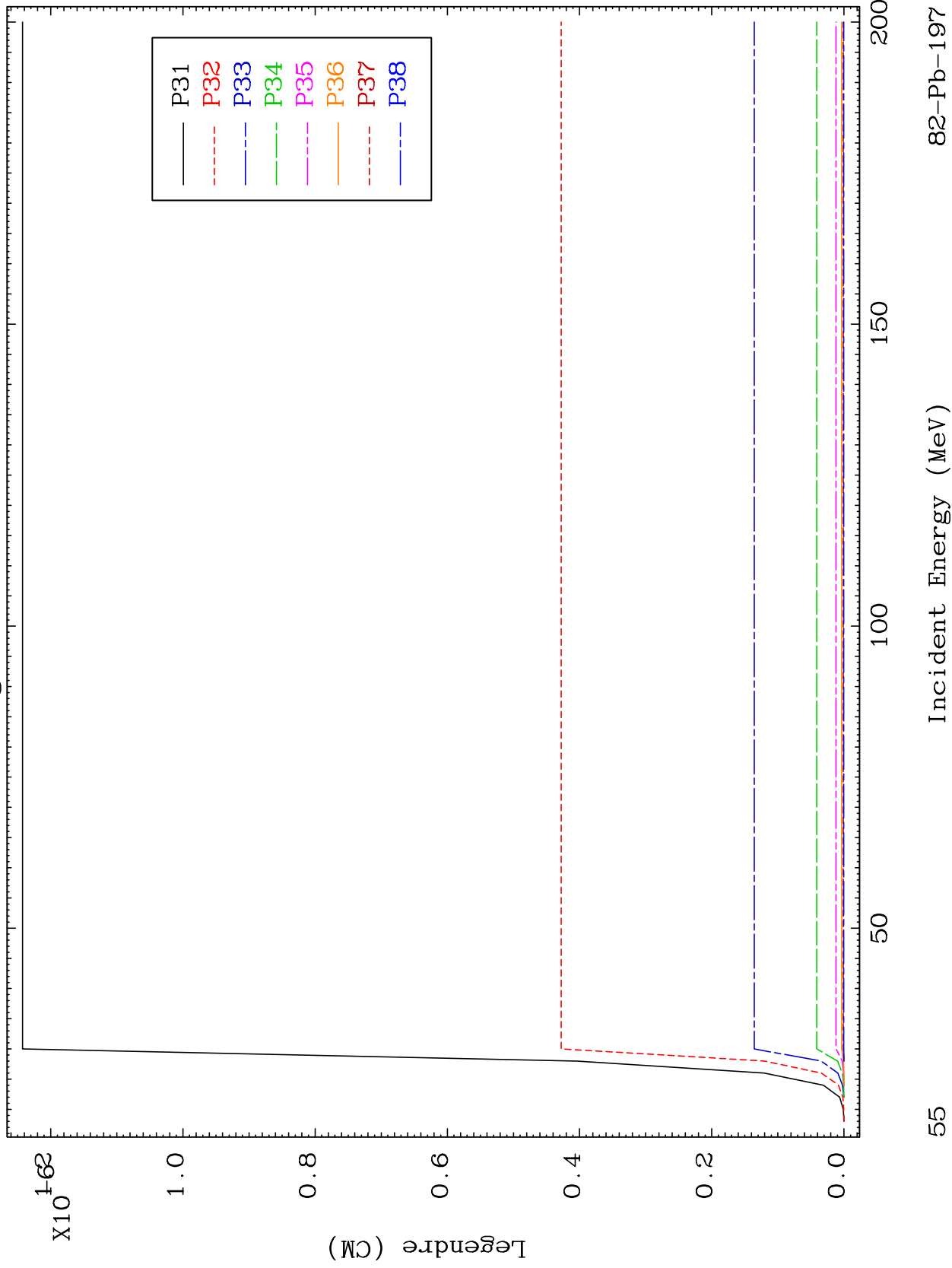
82-Pb-197



MAT 8204

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

82-Pb-197



55

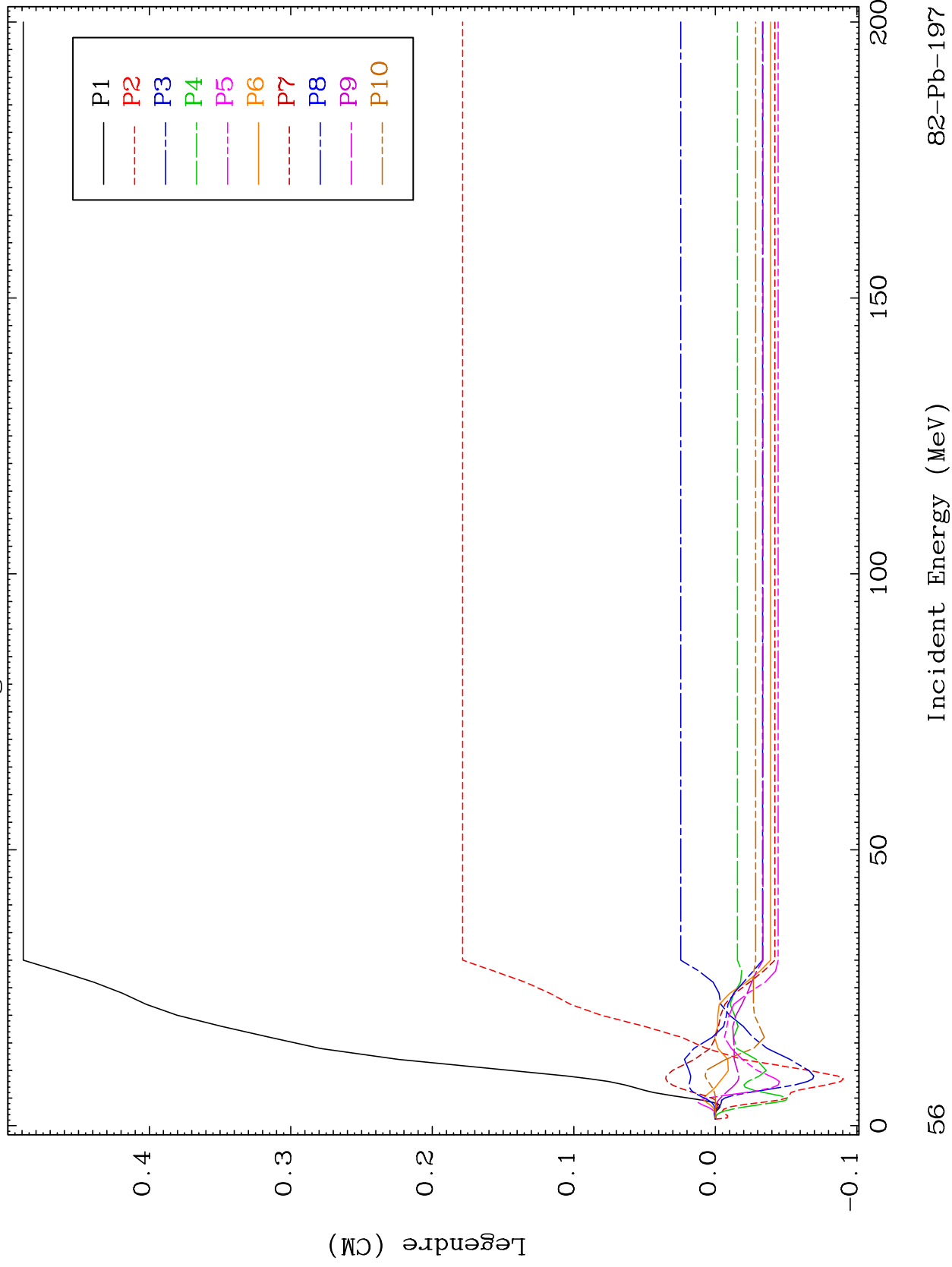
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



82-Pb-197

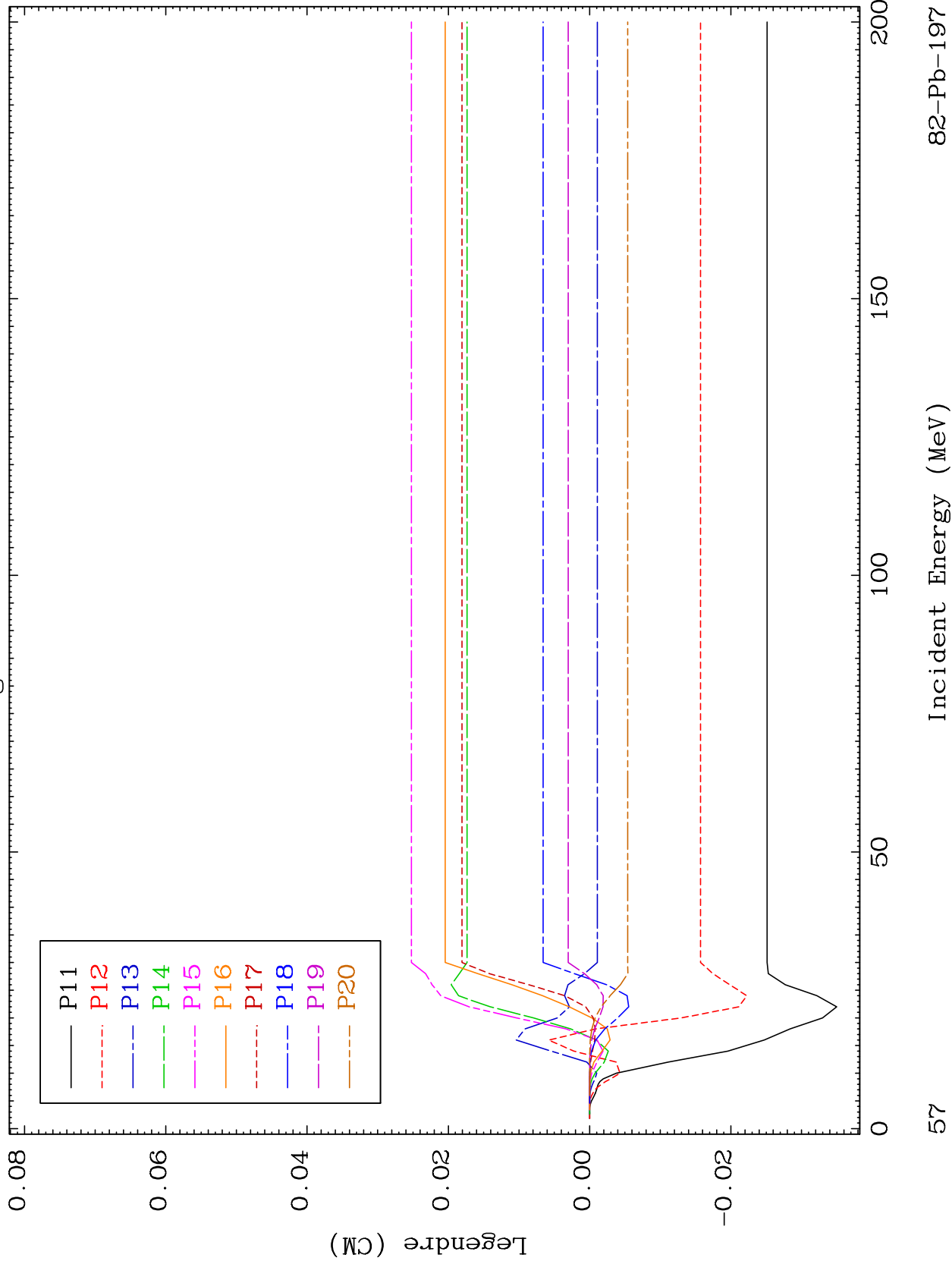
Incident Energy (MeV)

56

MAT 8204

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

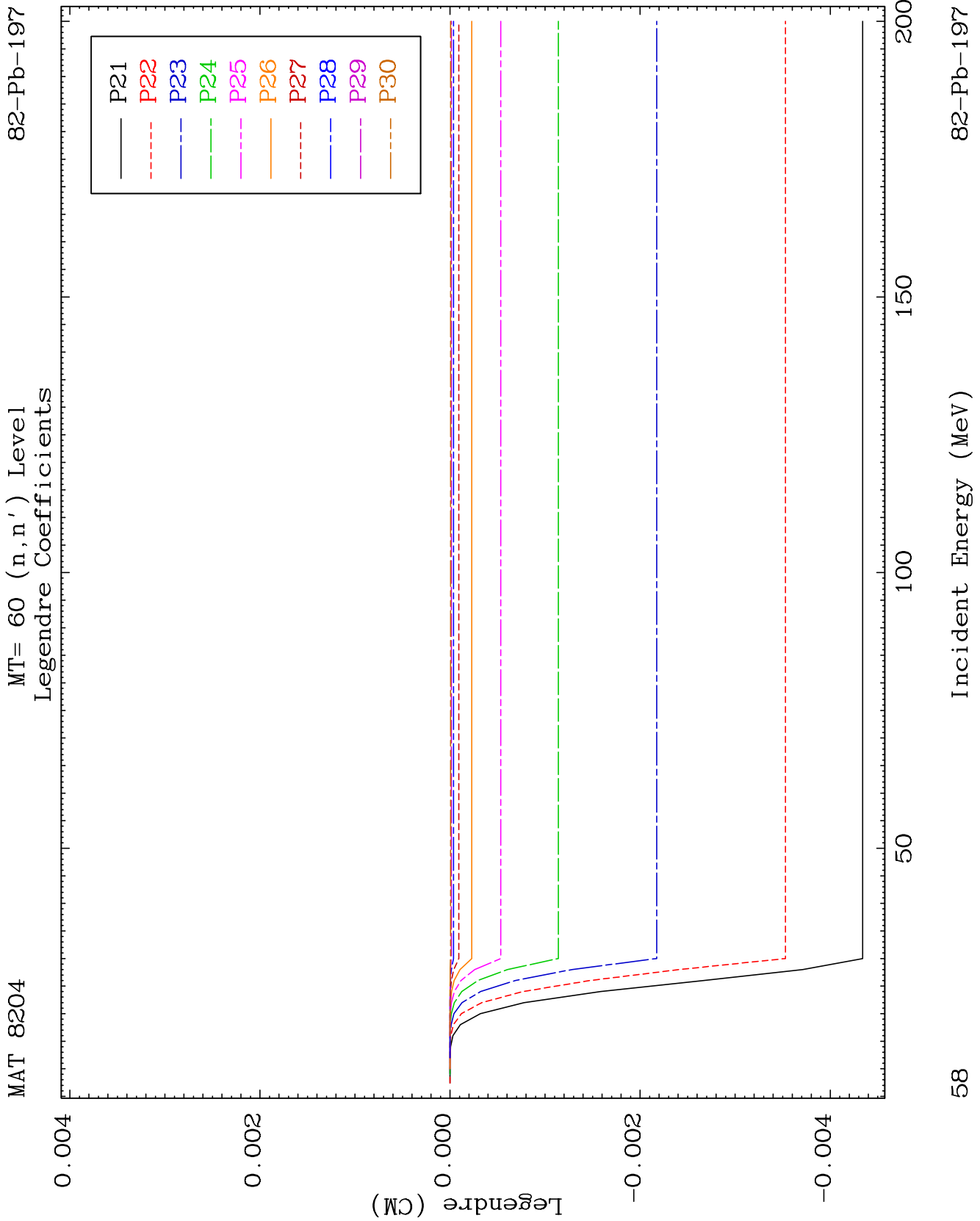
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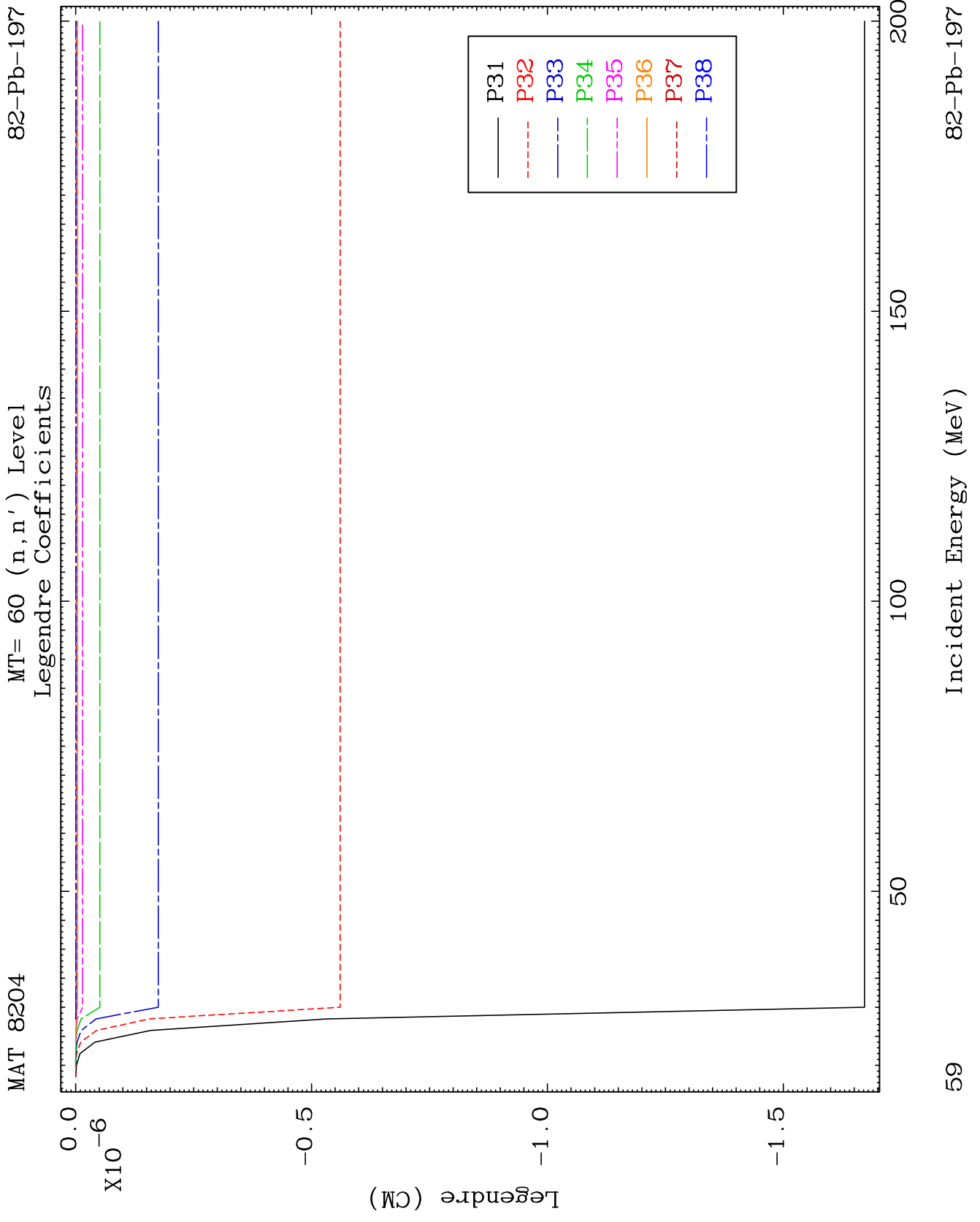


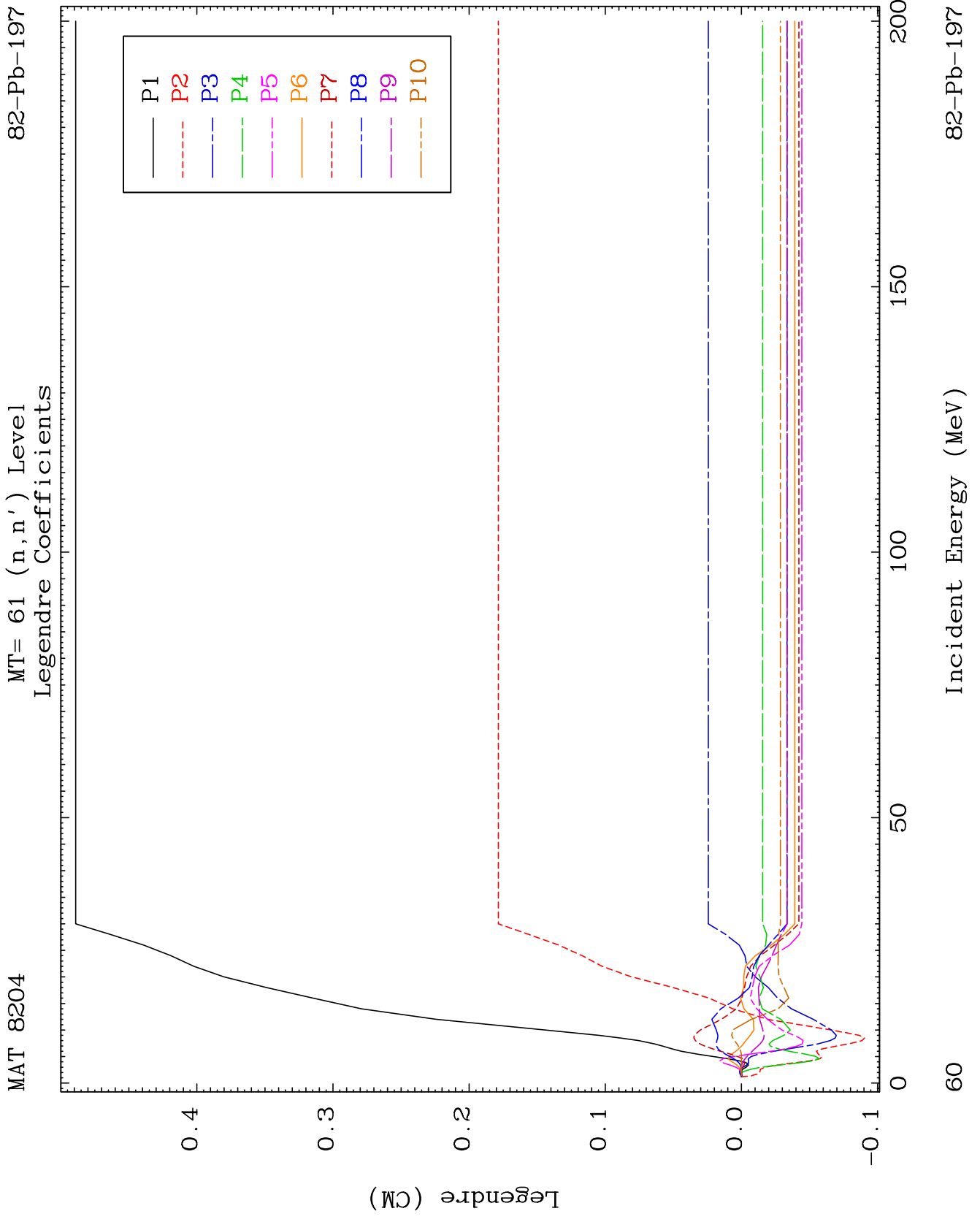
57

Incident Energy (MeV)

82-Pb-197



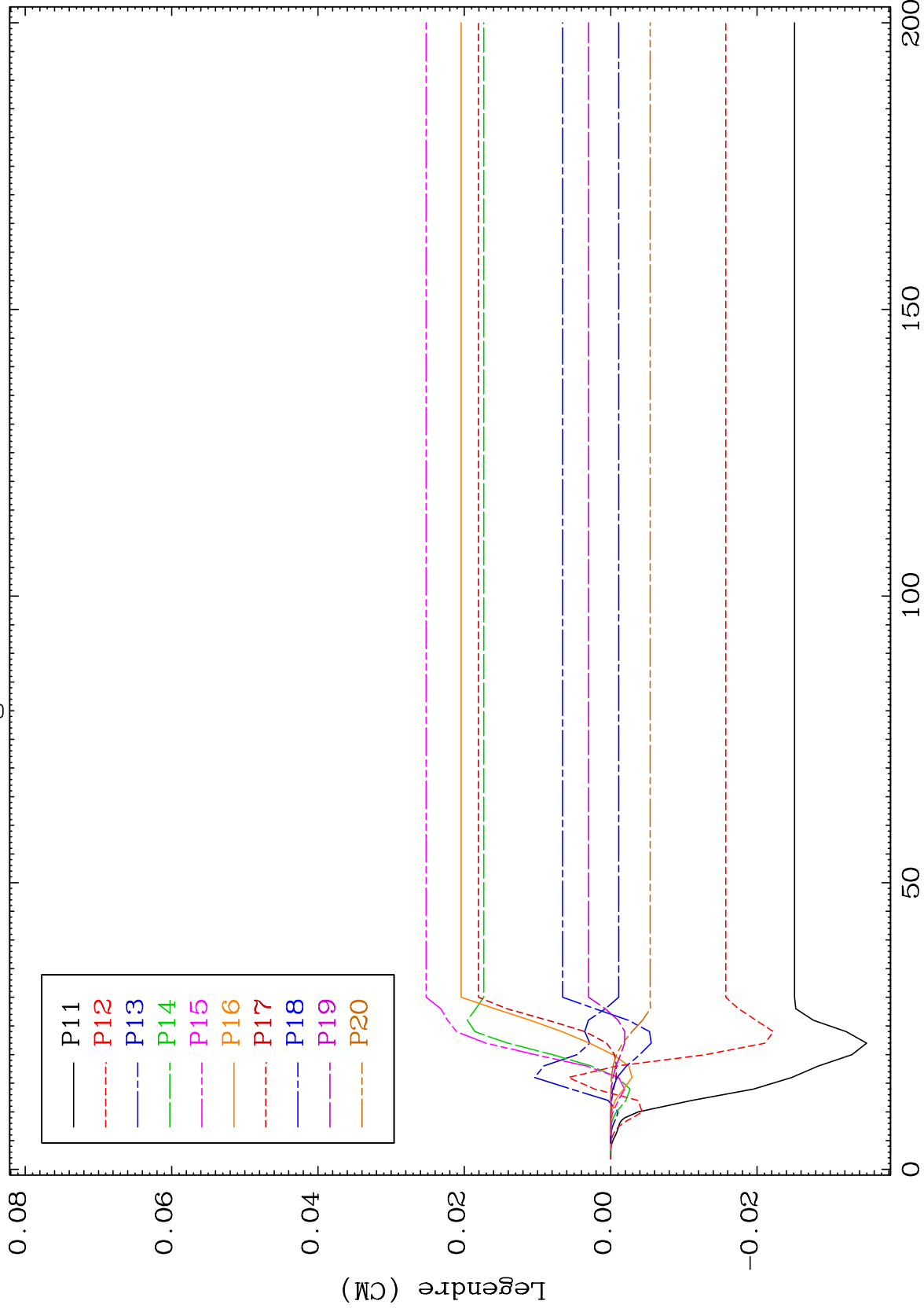




MAT 8204

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

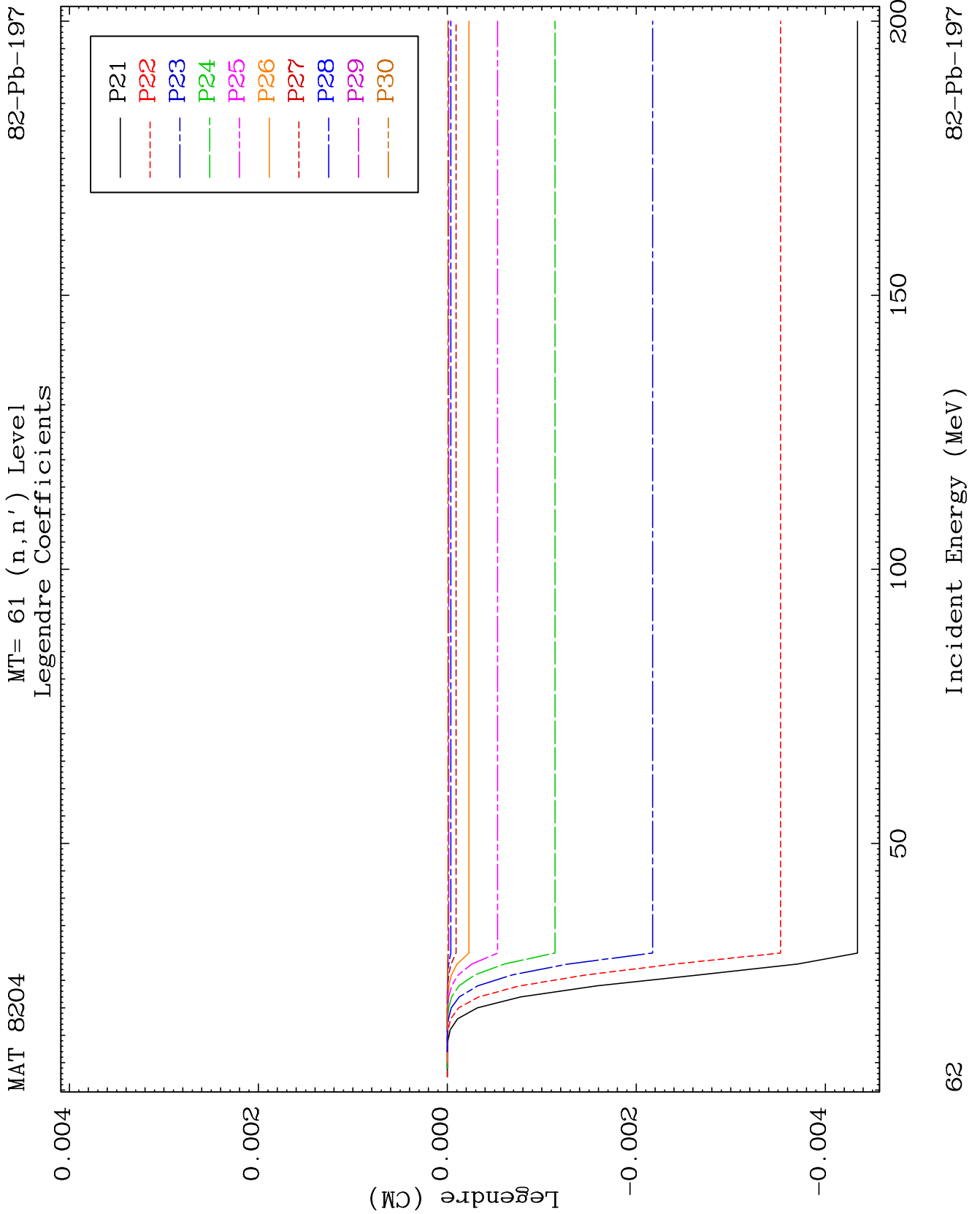
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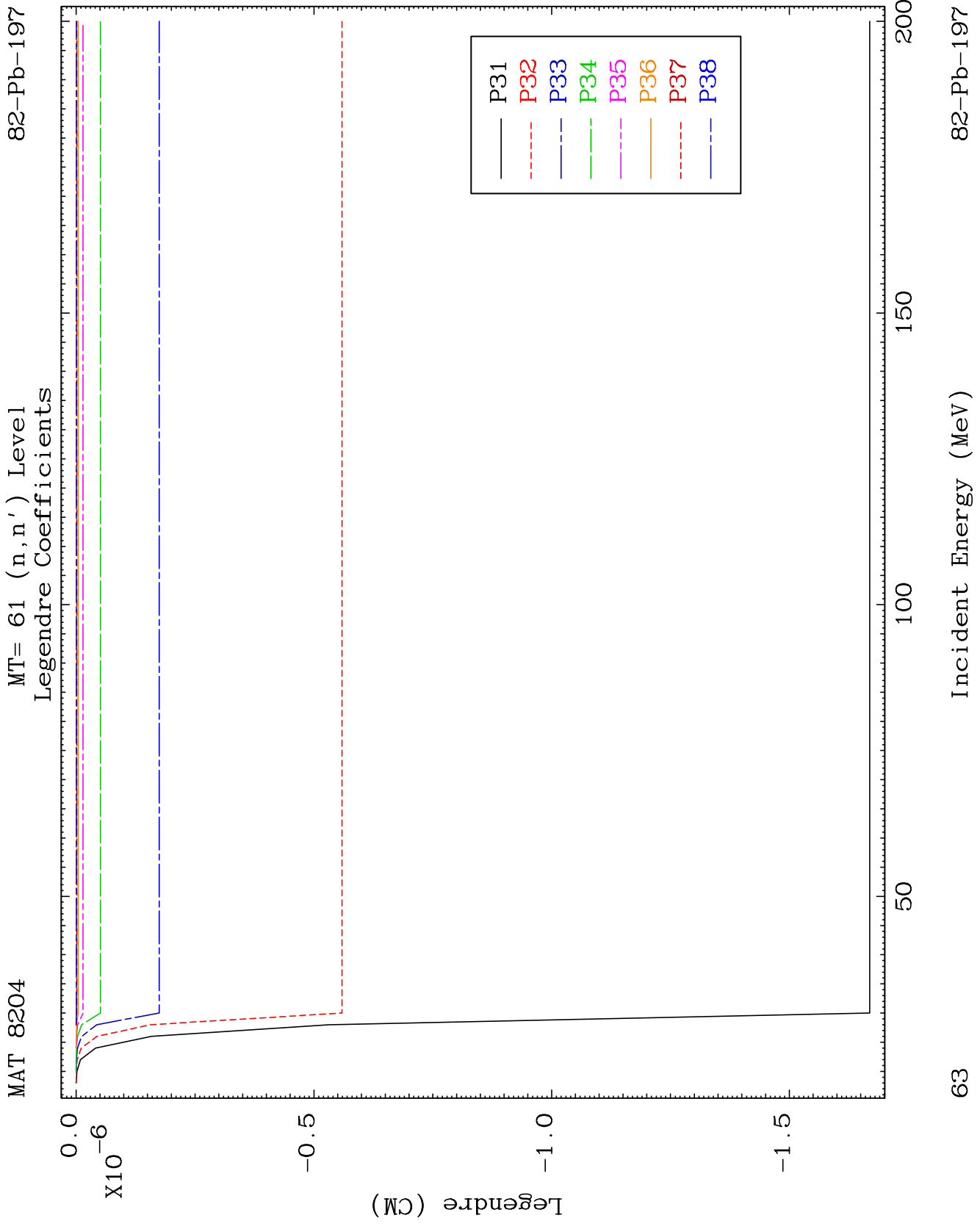


61

Incident Energy (MeV)

82-Pb-197

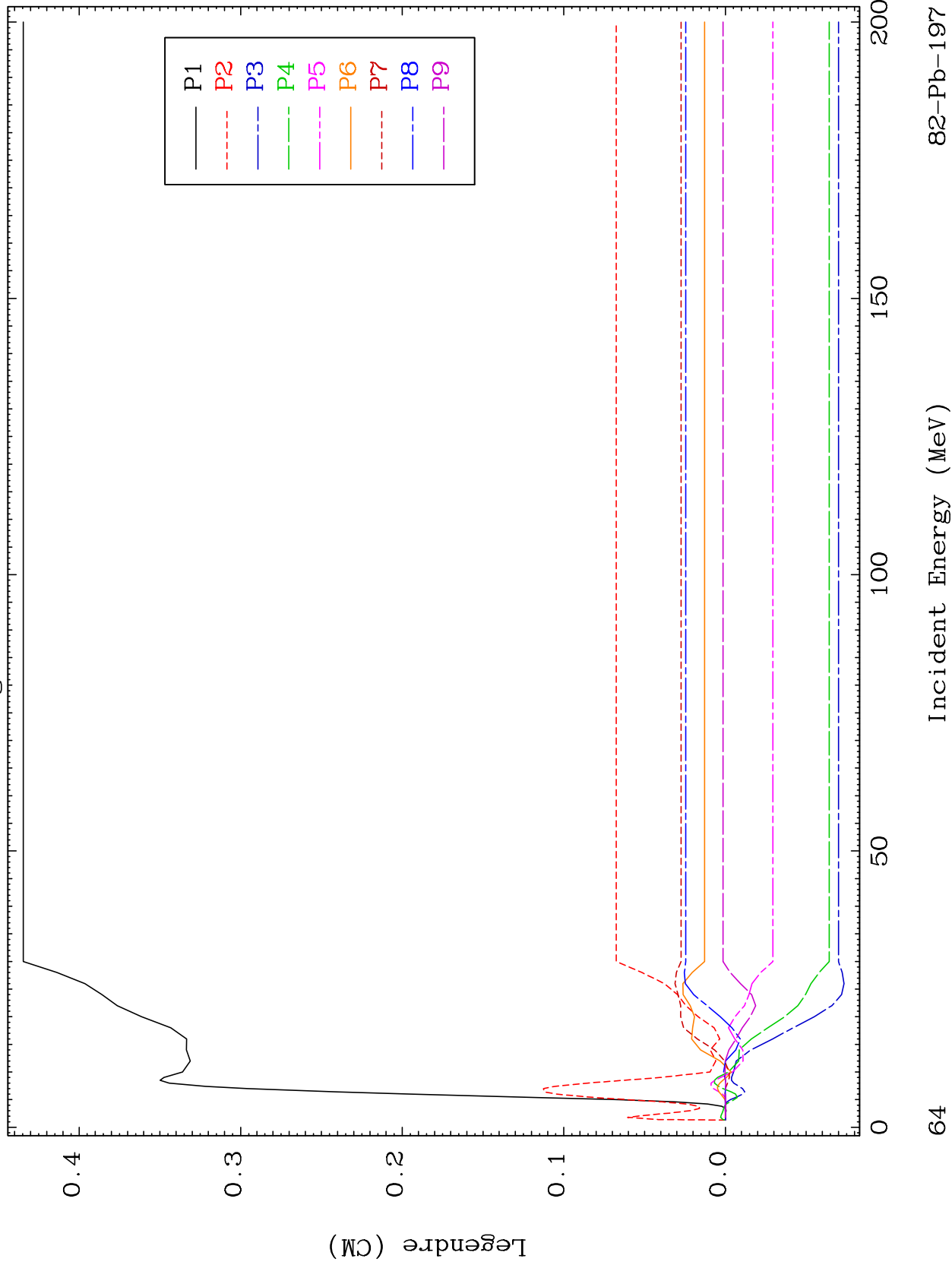




MAT 8204

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

82-Pb-197



82-Pb-197

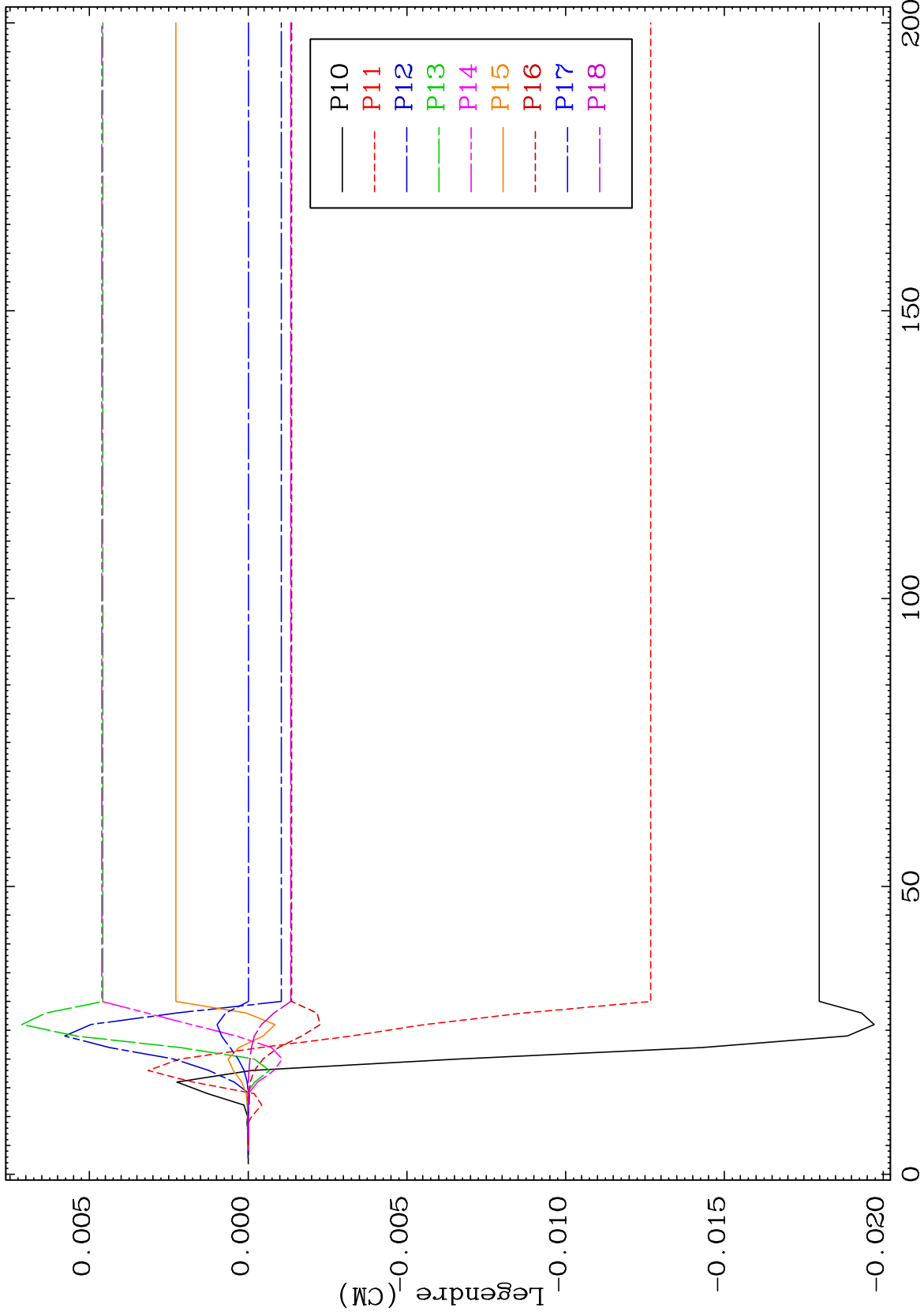
Incident Energy (MeV)

64

MAT 8204

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

82-Pb-197



65

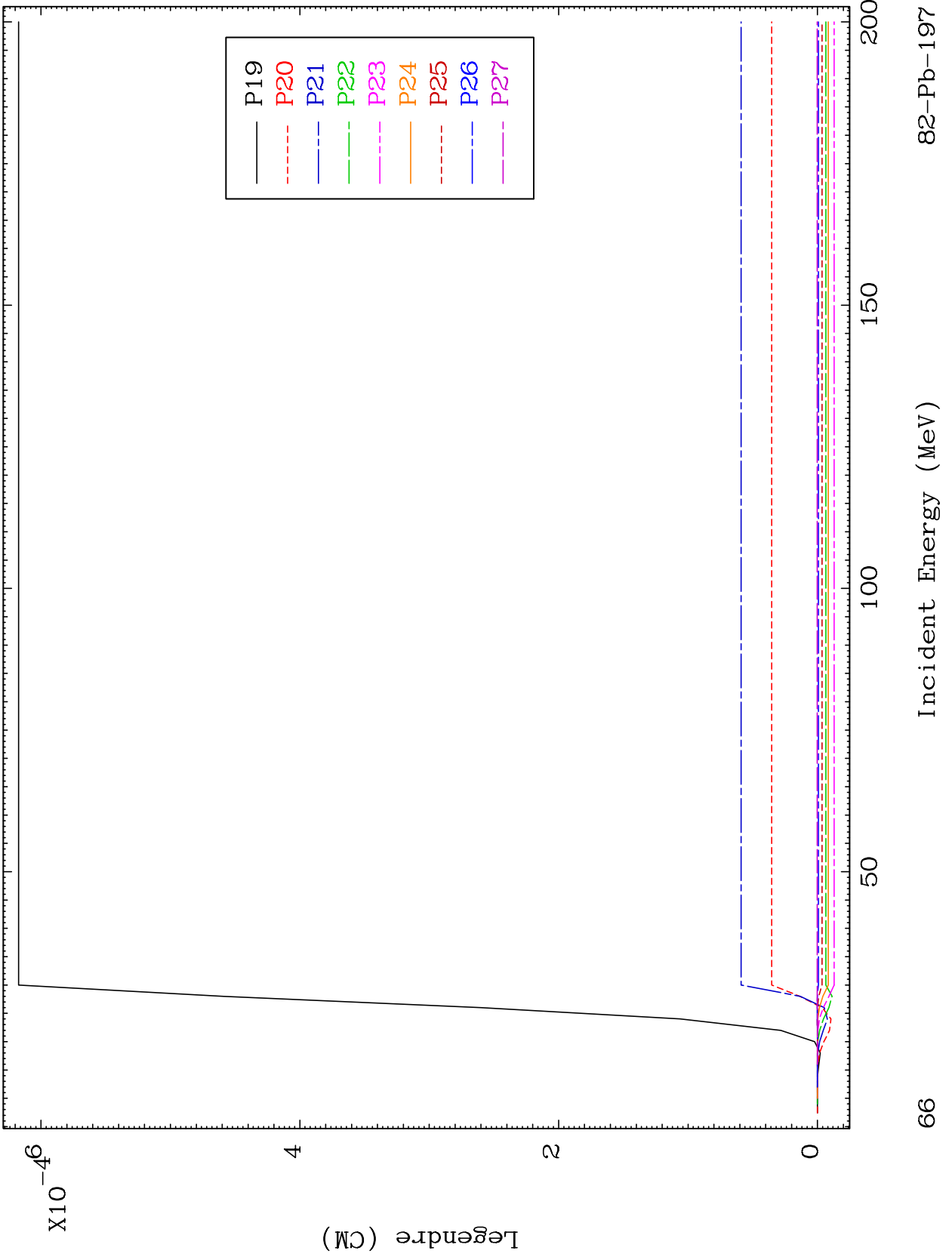
82-Pb-197

82-Pb-197

MAT 8204

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

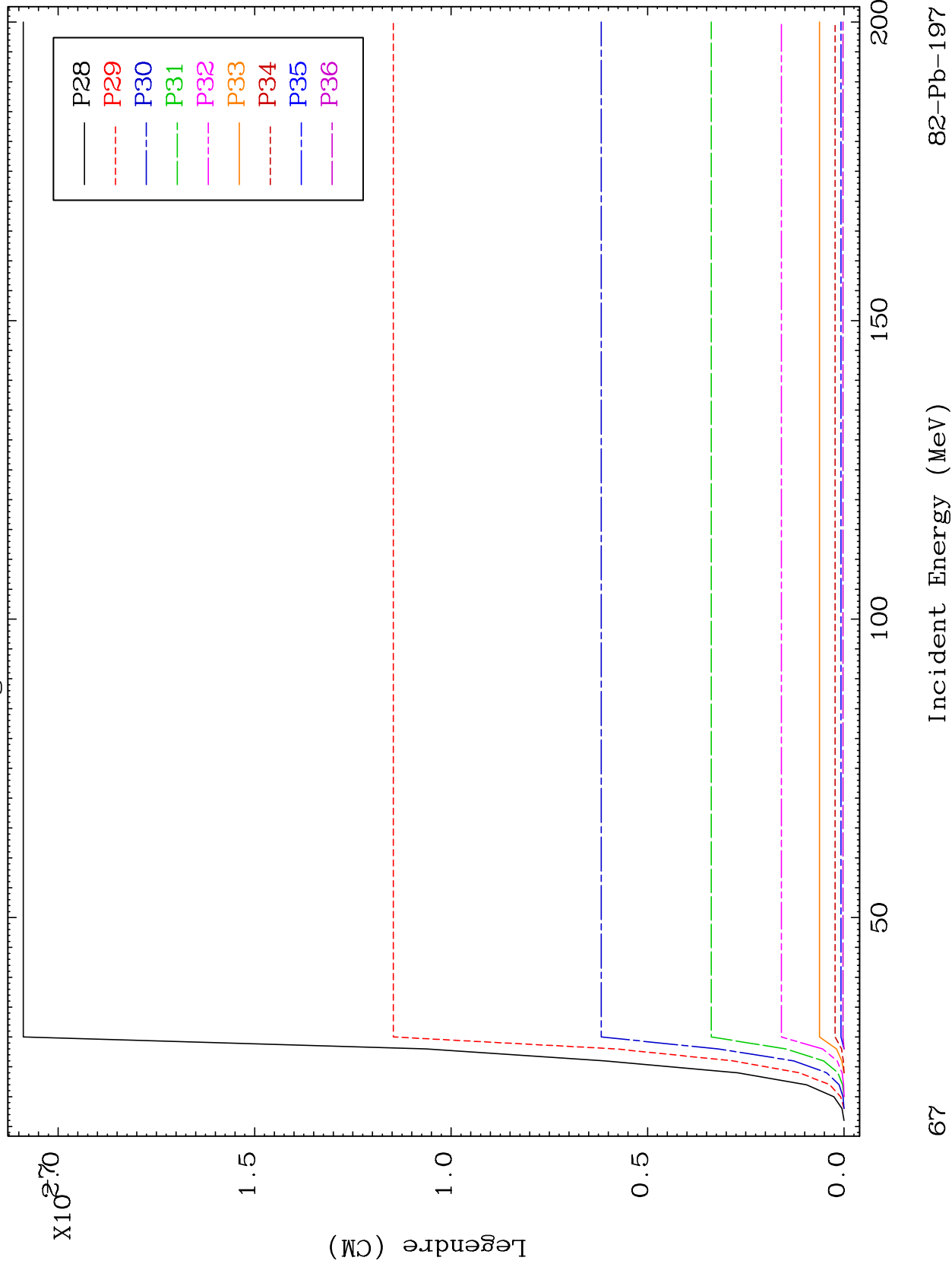
82-Pb-197



MAT 8204

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

82-Pb-197



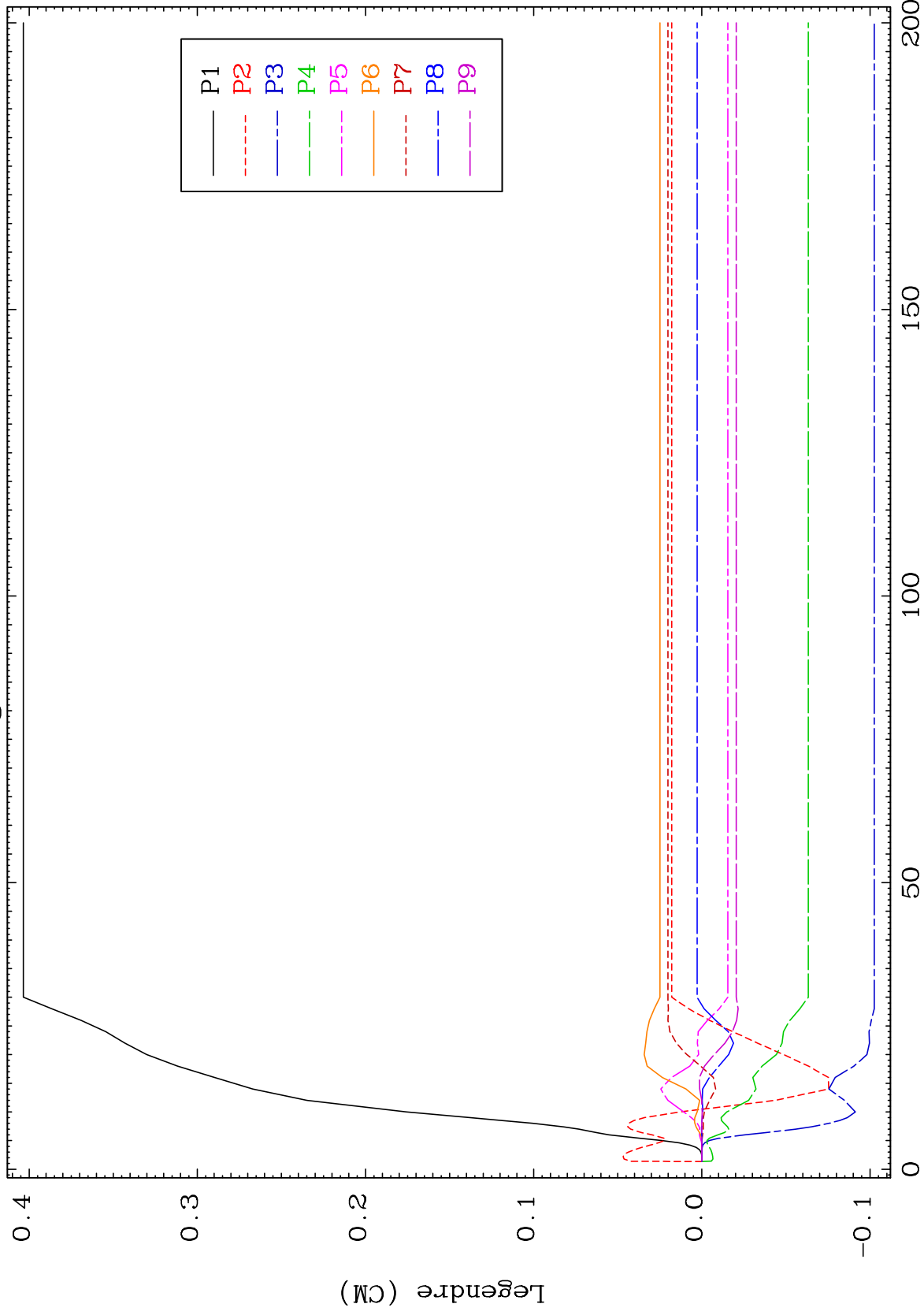
67

82-Pb-197

MAT 8204

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

82-Pb-197



68

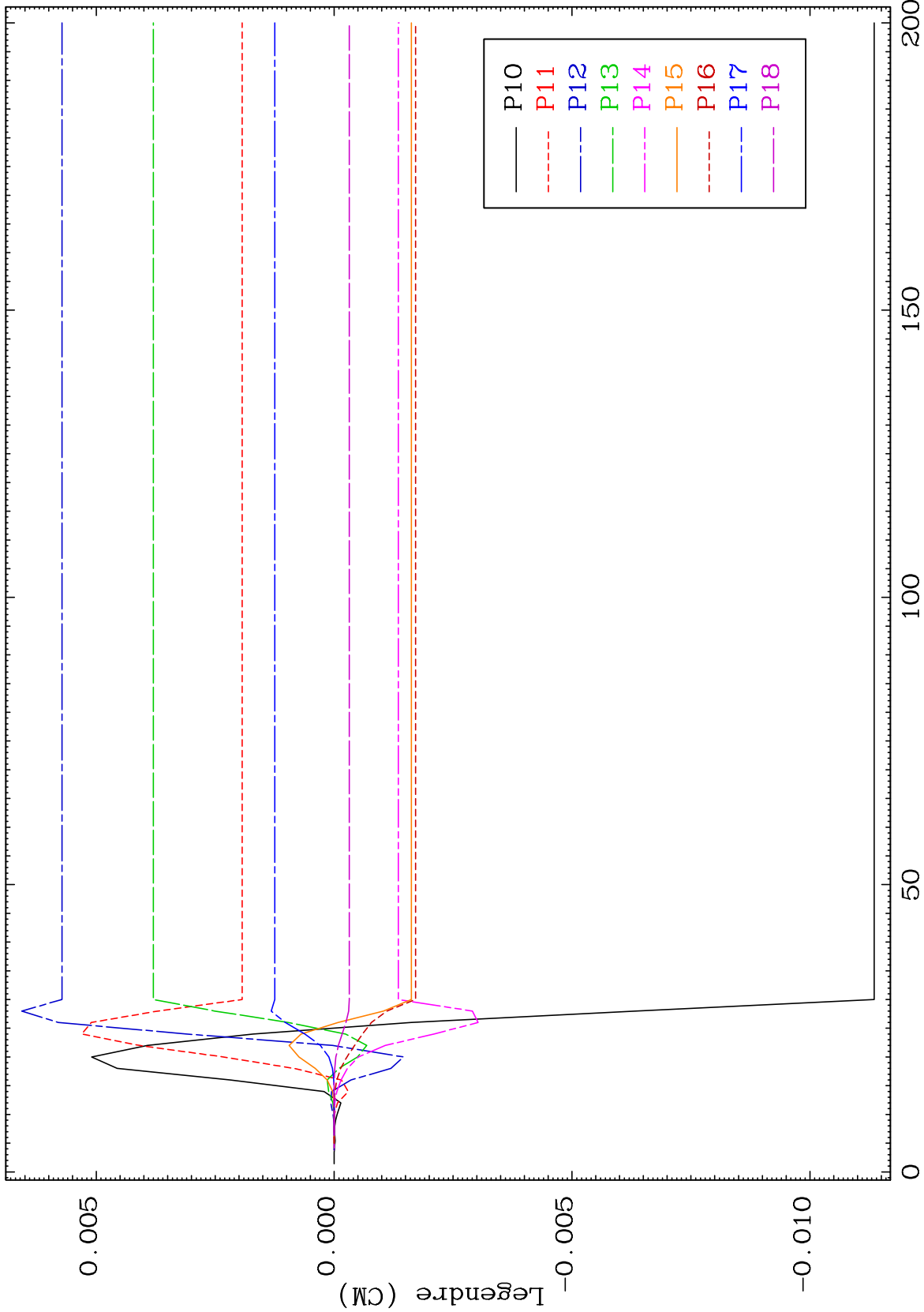
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



69

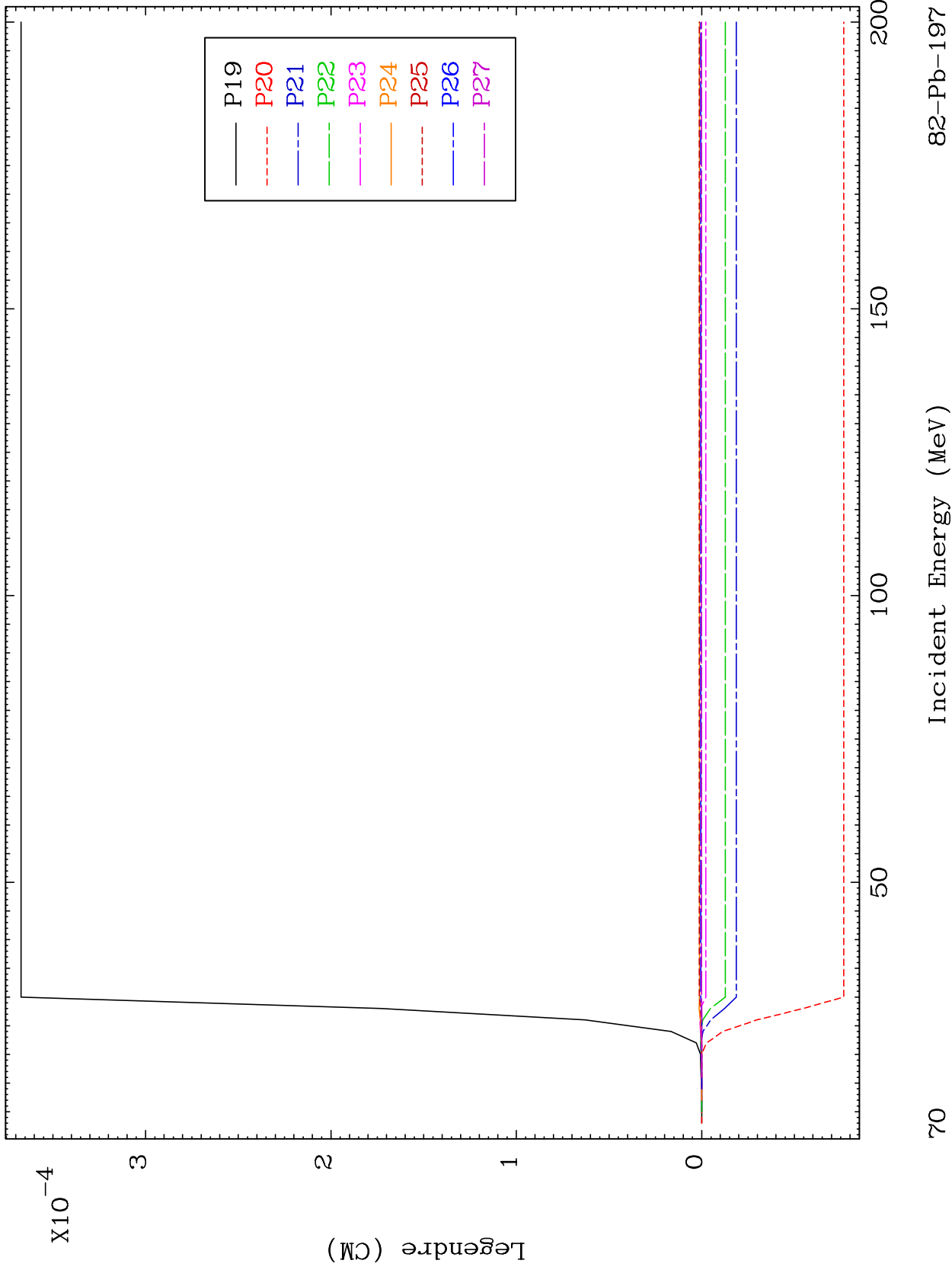
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



70

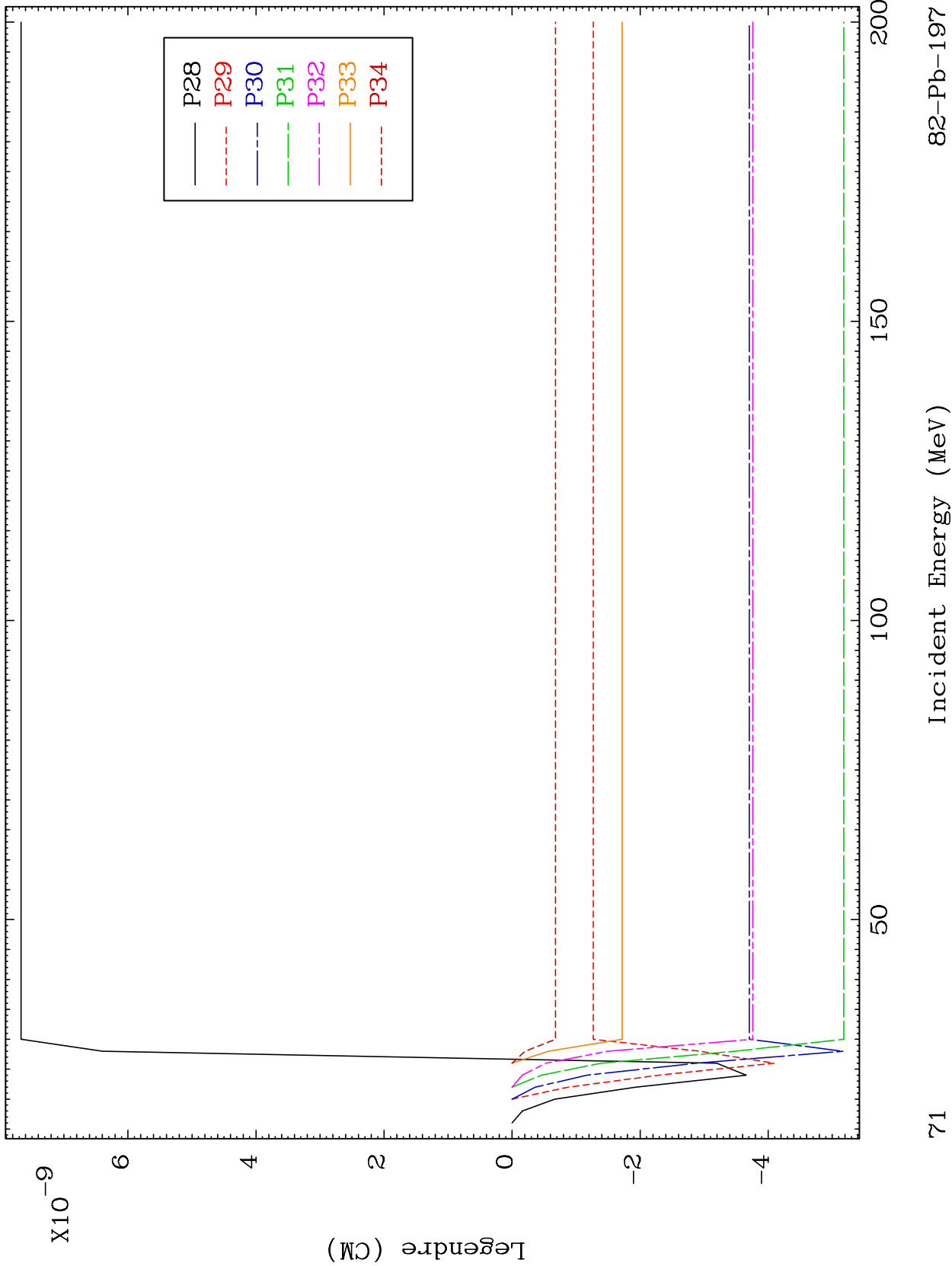
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

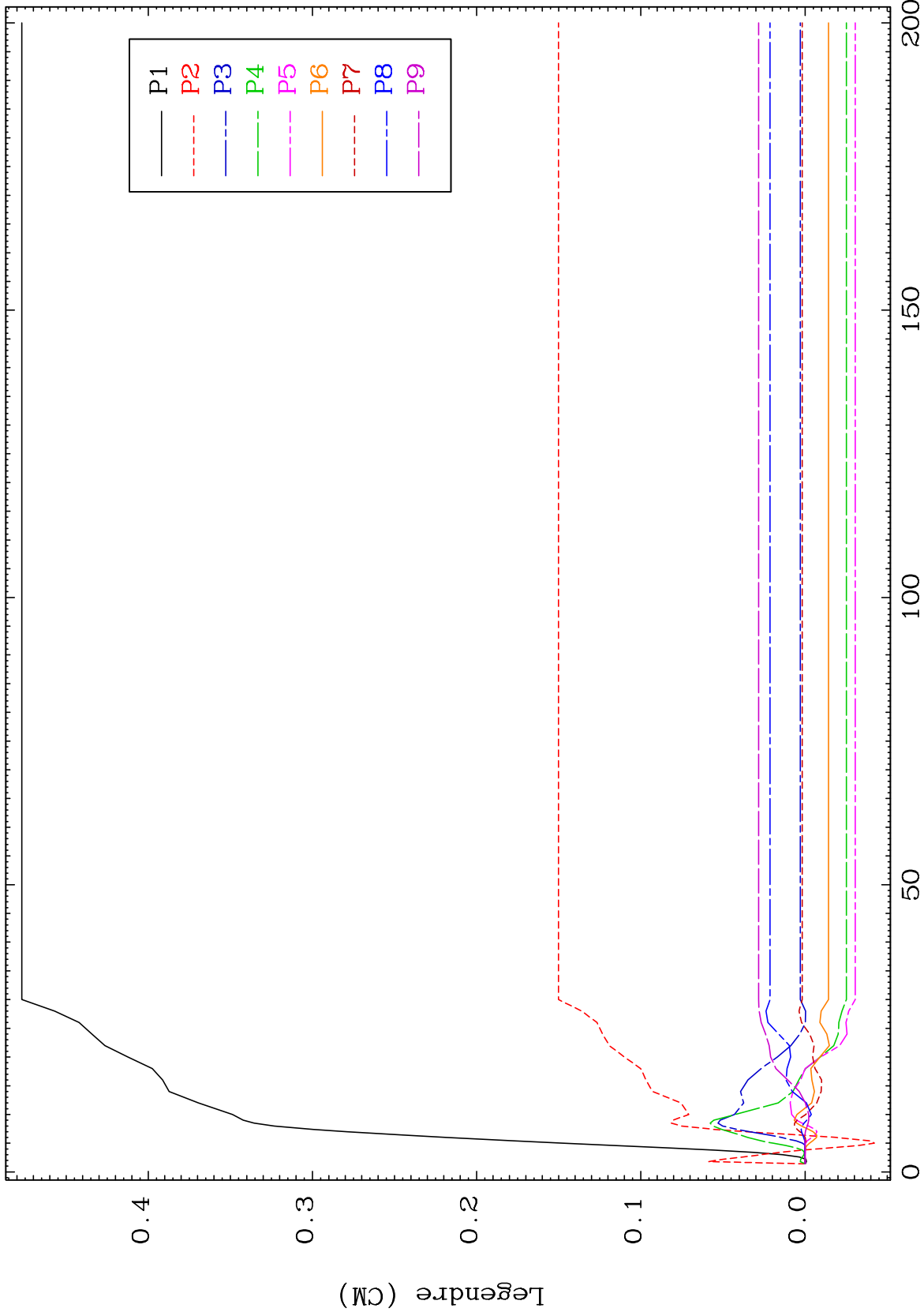
82-Pb-197



MAT 8204

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

82-Pb-197



72

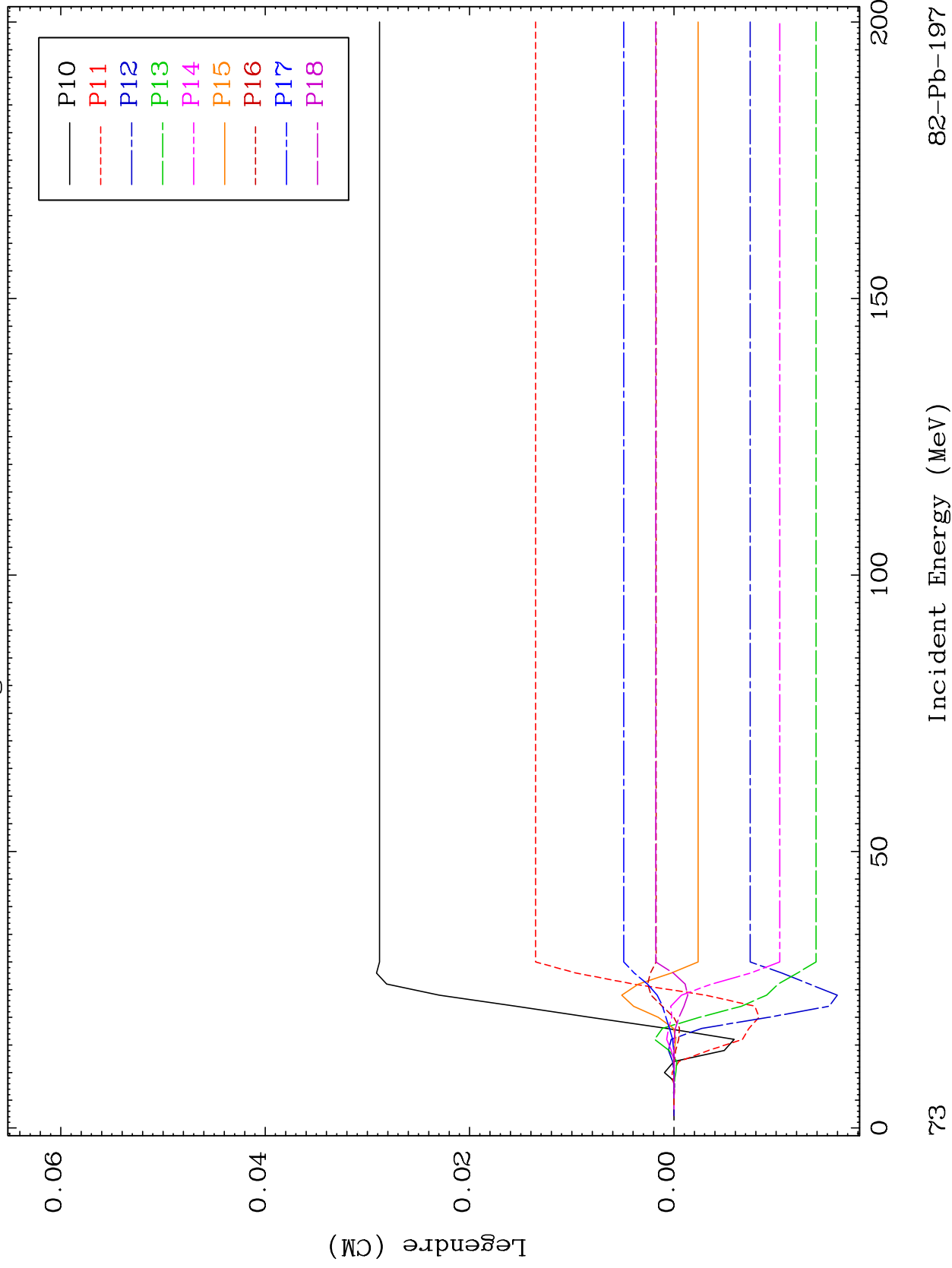
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



82-Pb-197

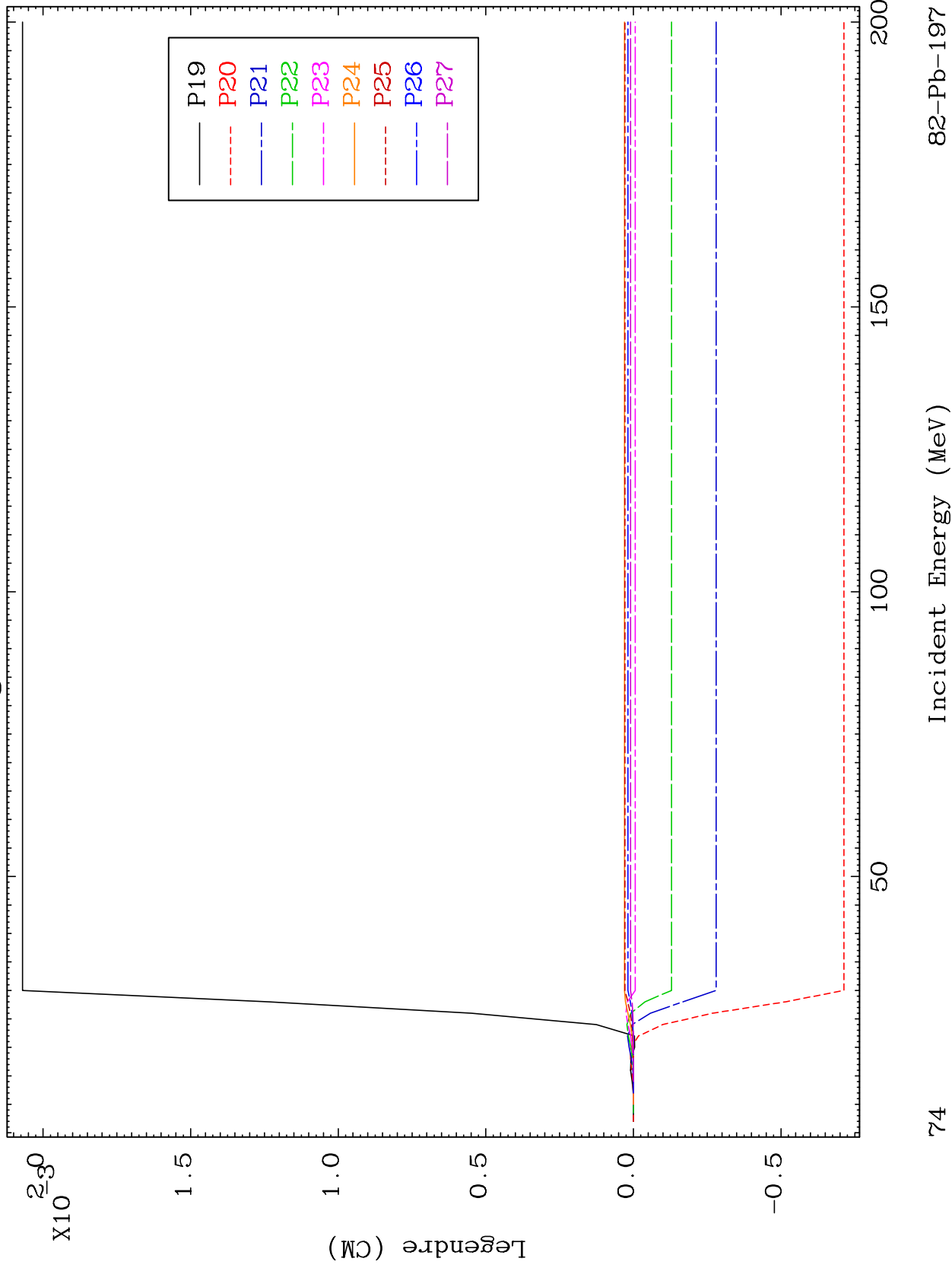
Incident Energy (MeV)

73

MAT 8204

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

82-Pb-197



74

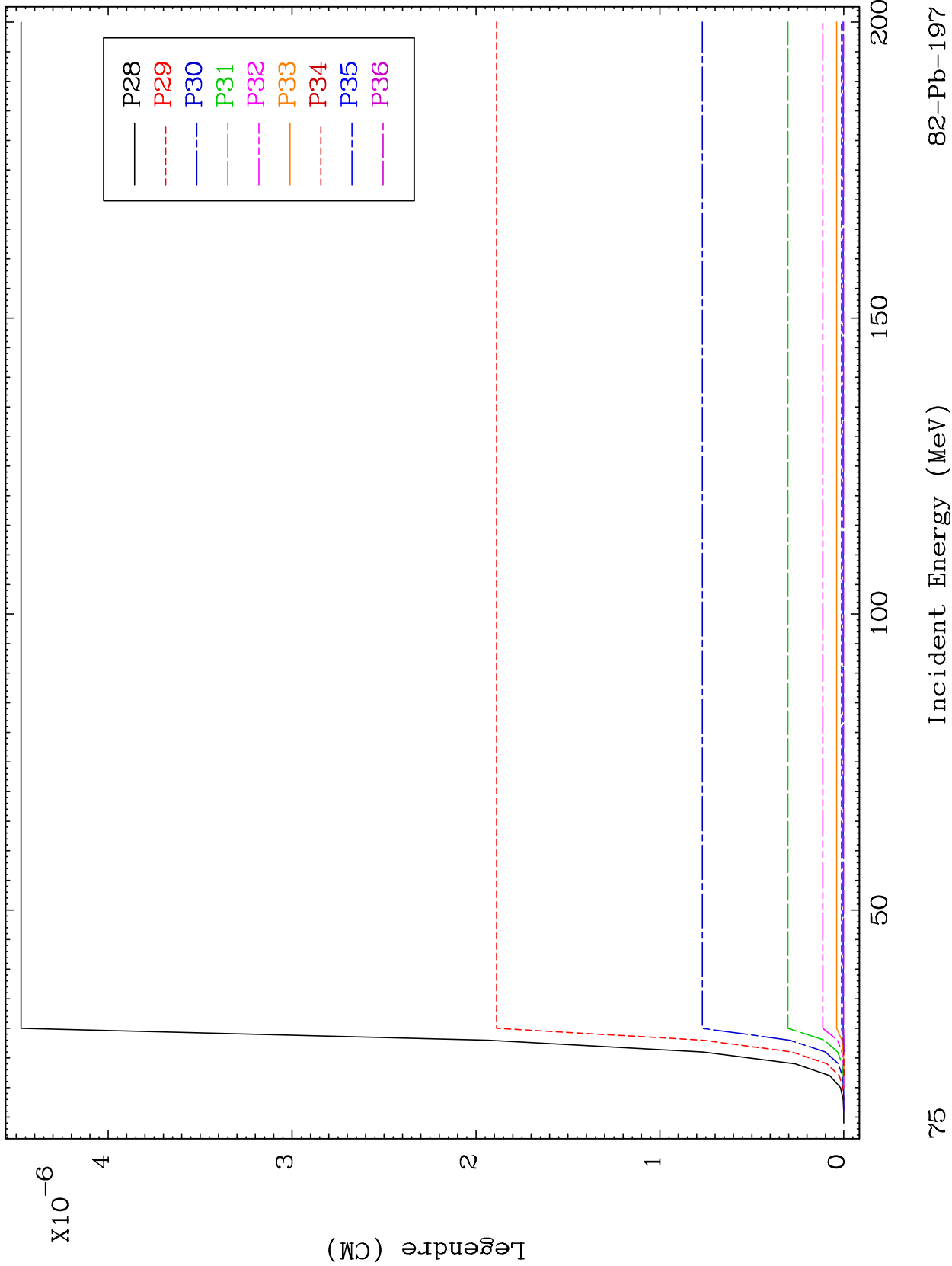
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



75

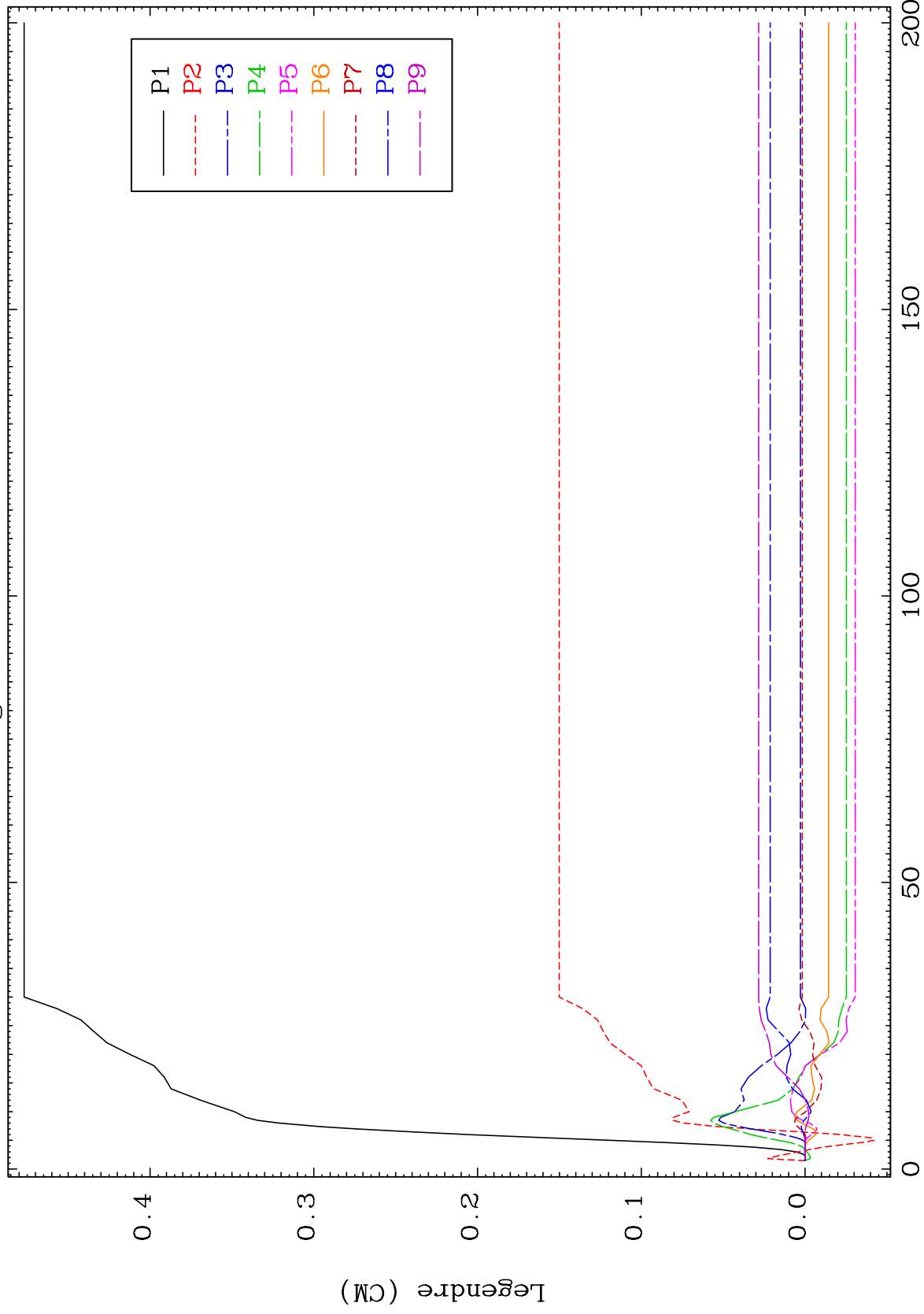
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



76

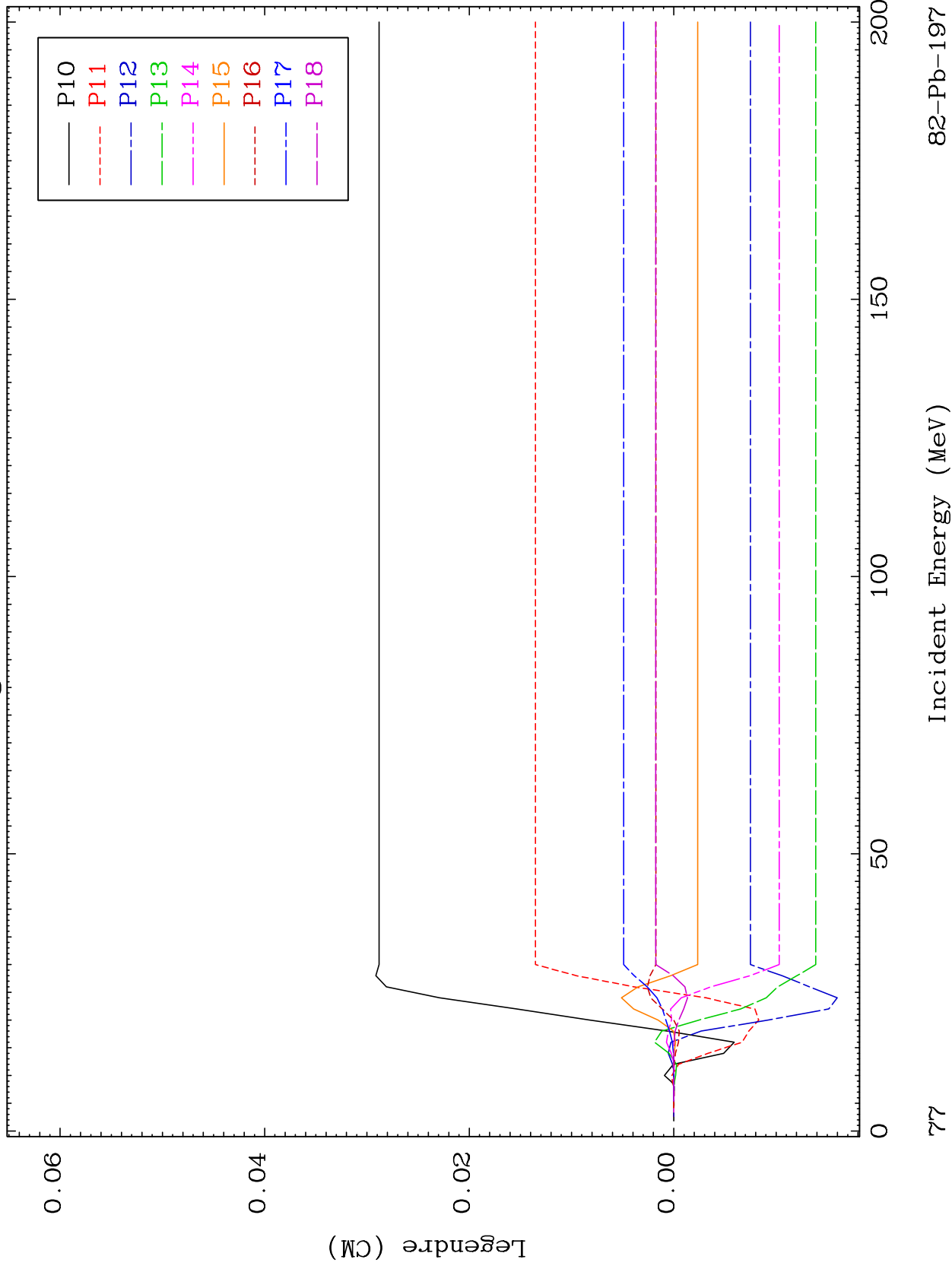
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



77

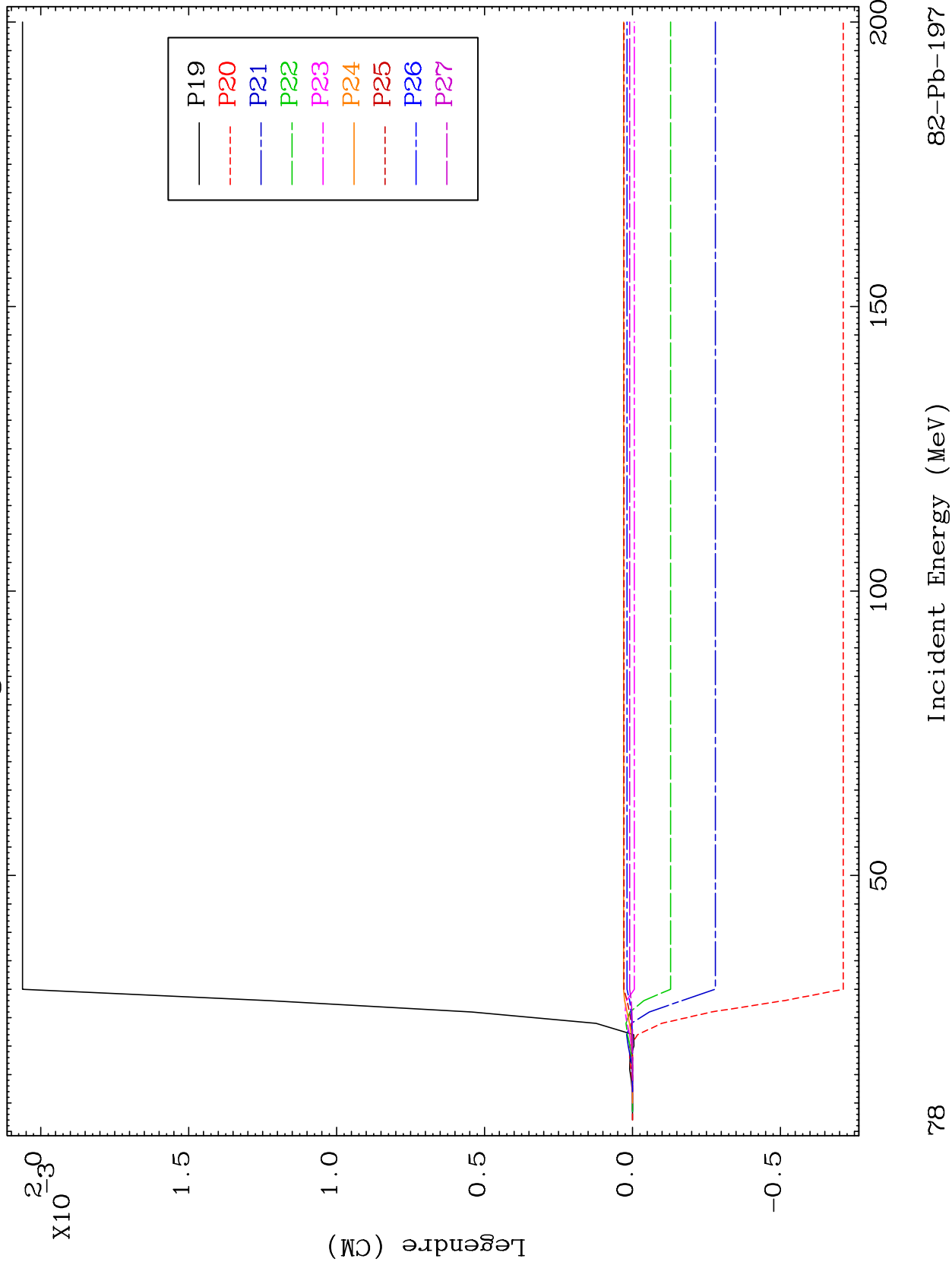
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

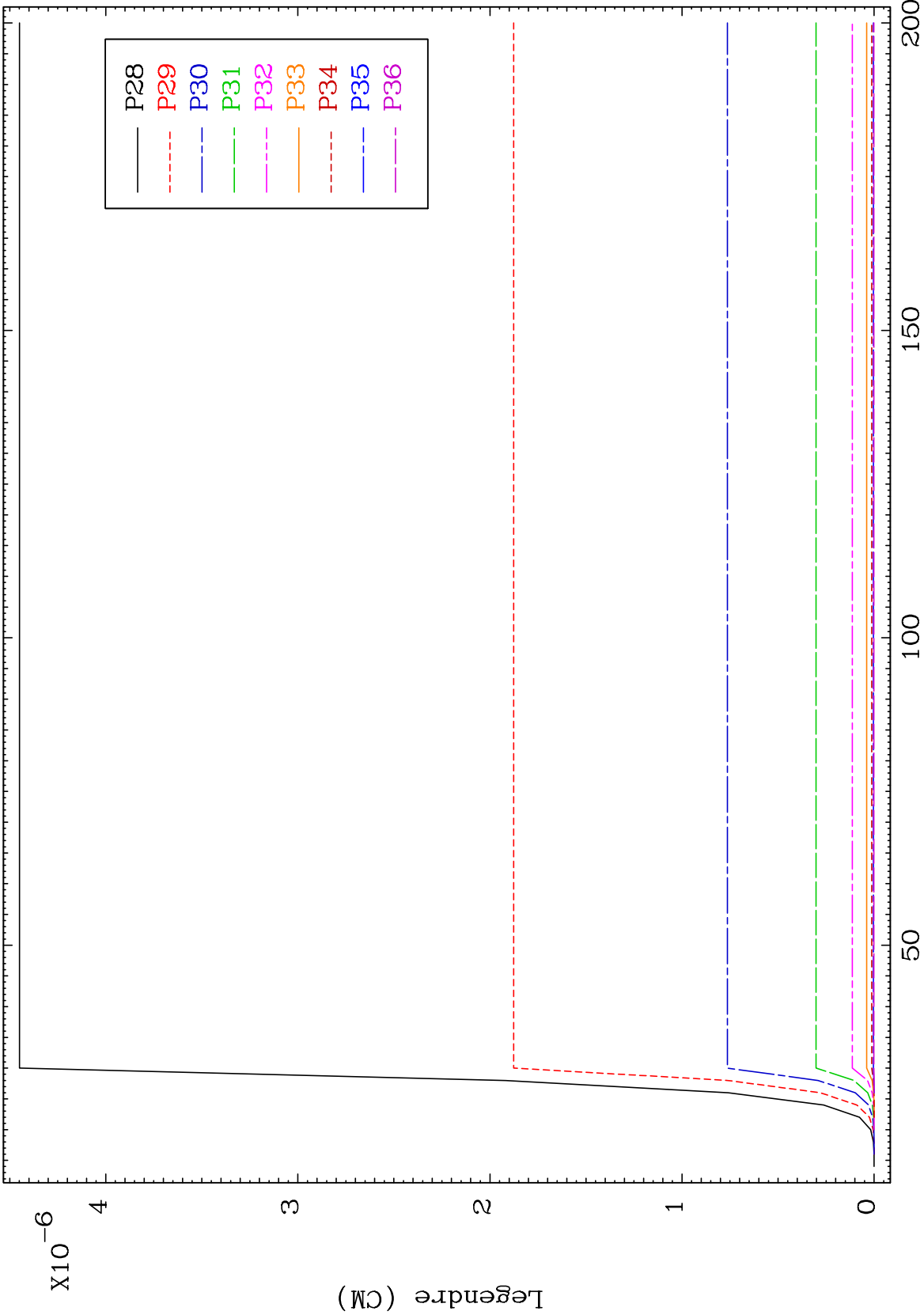
82-Pb-197



MAT 8204

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

82-Pb-197



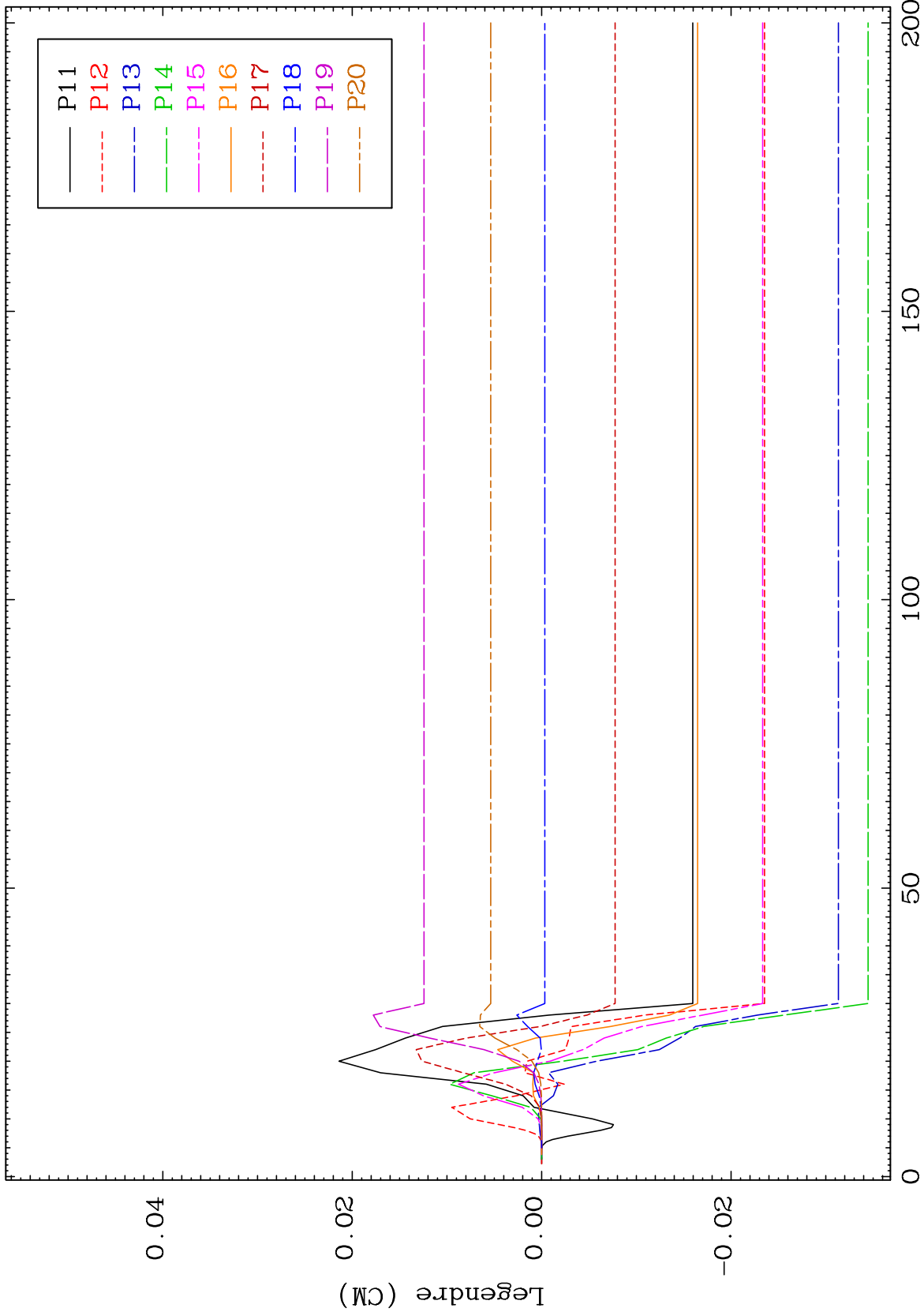
79

82-Pb-197

MAT 8204

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

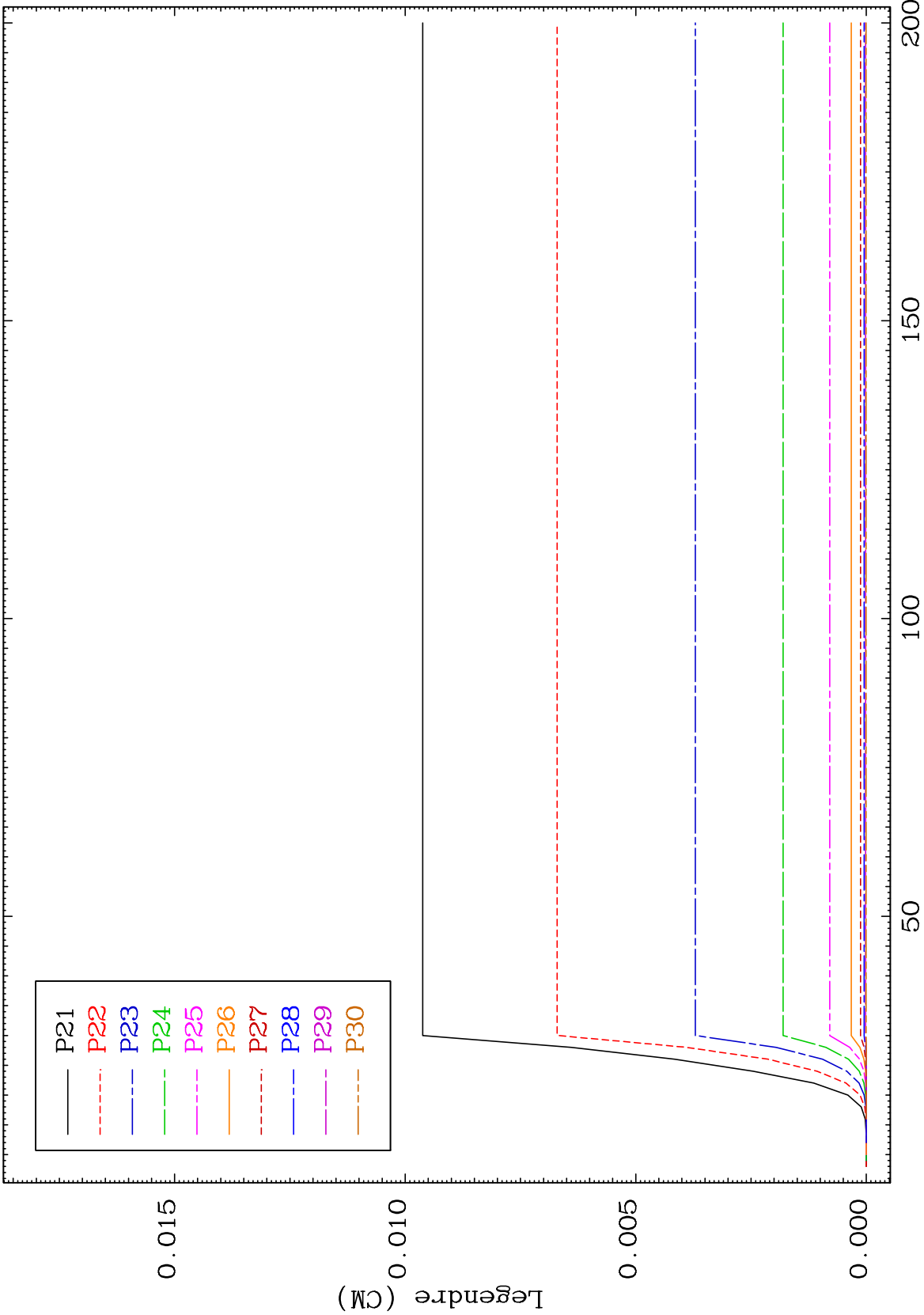
82-Pb-197



MAT 8204

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

82-Pb-197



82

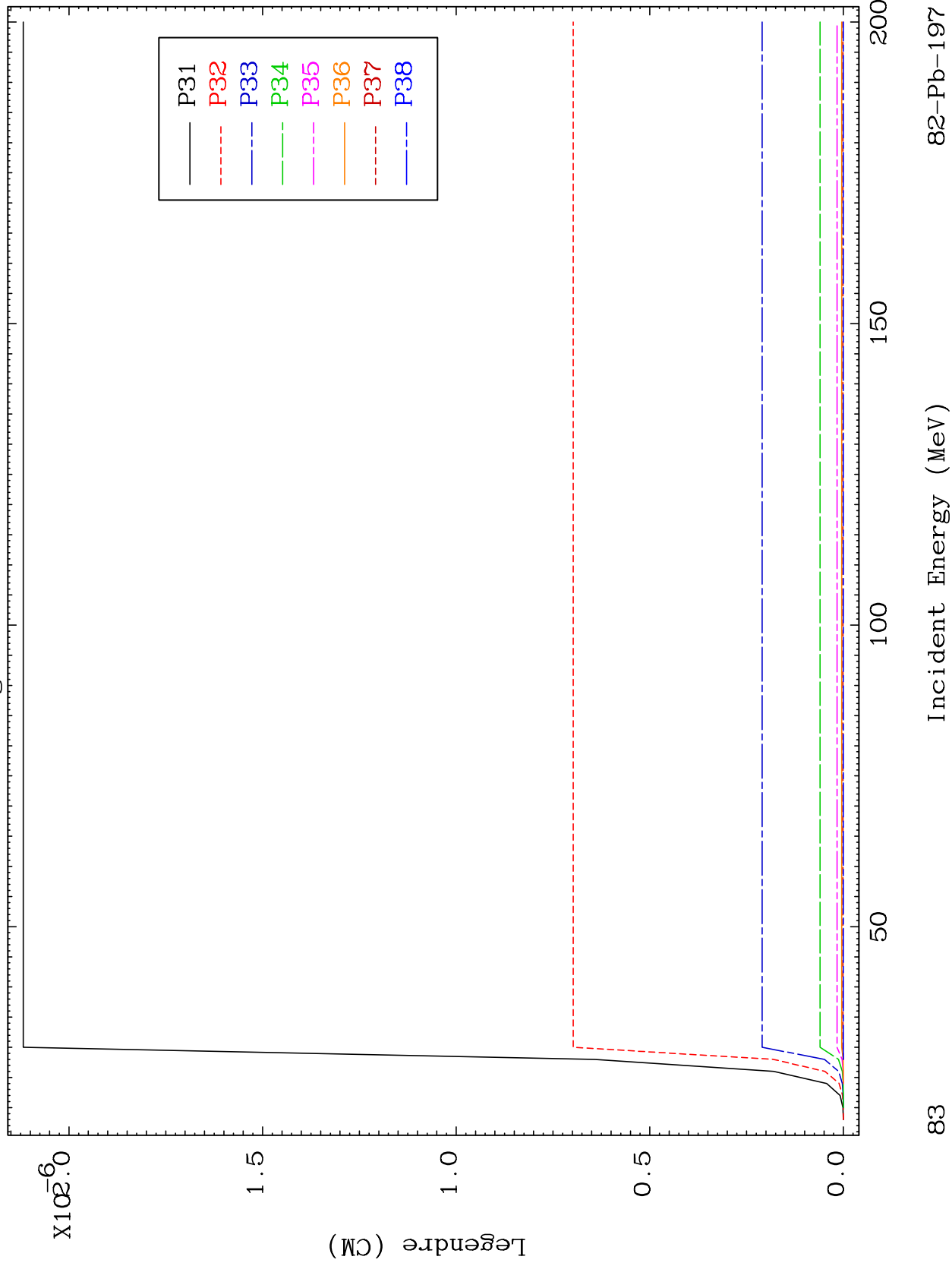
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



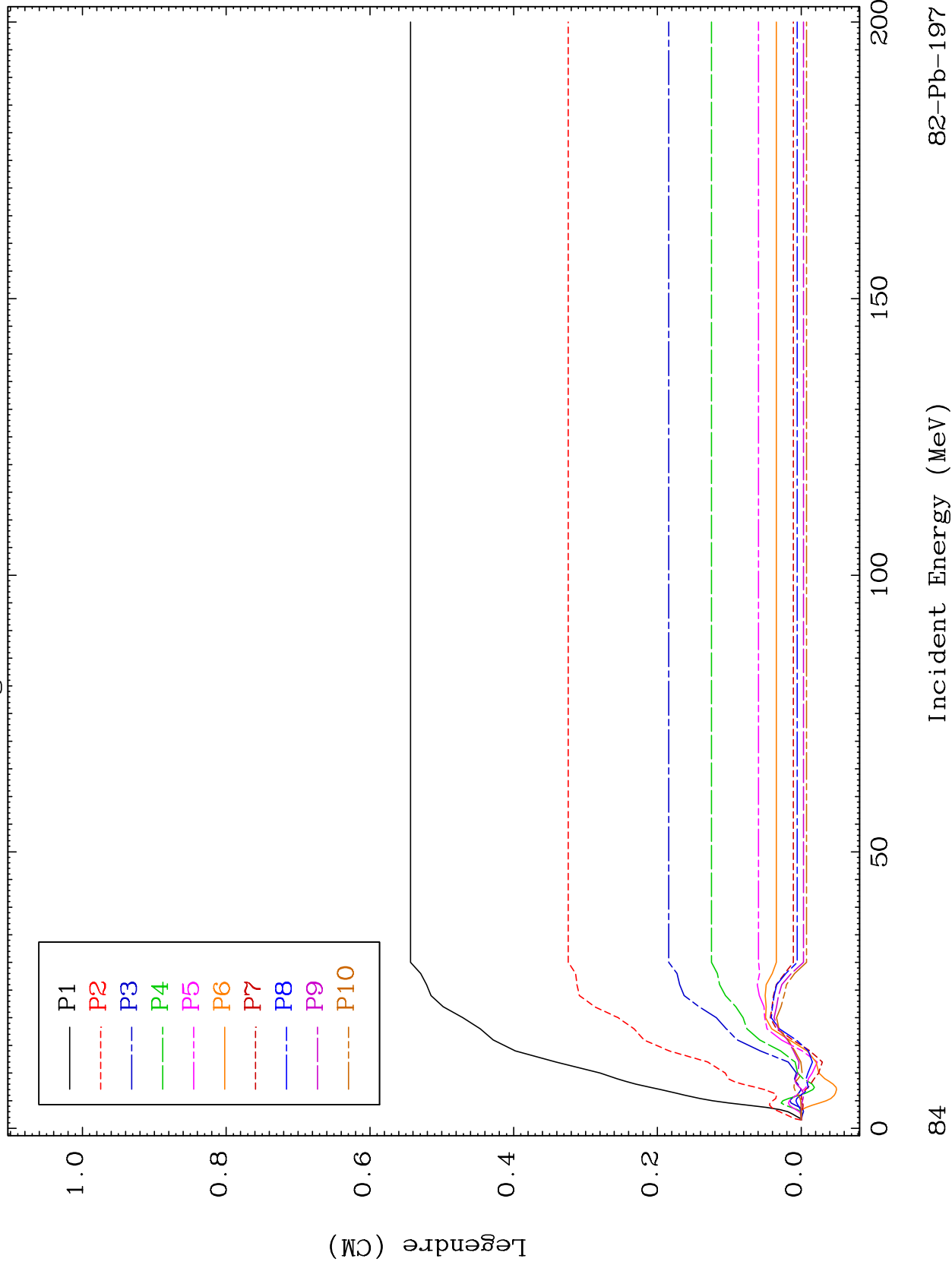
83

82-Pb-197

MAT 8204

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

82-Pb-197

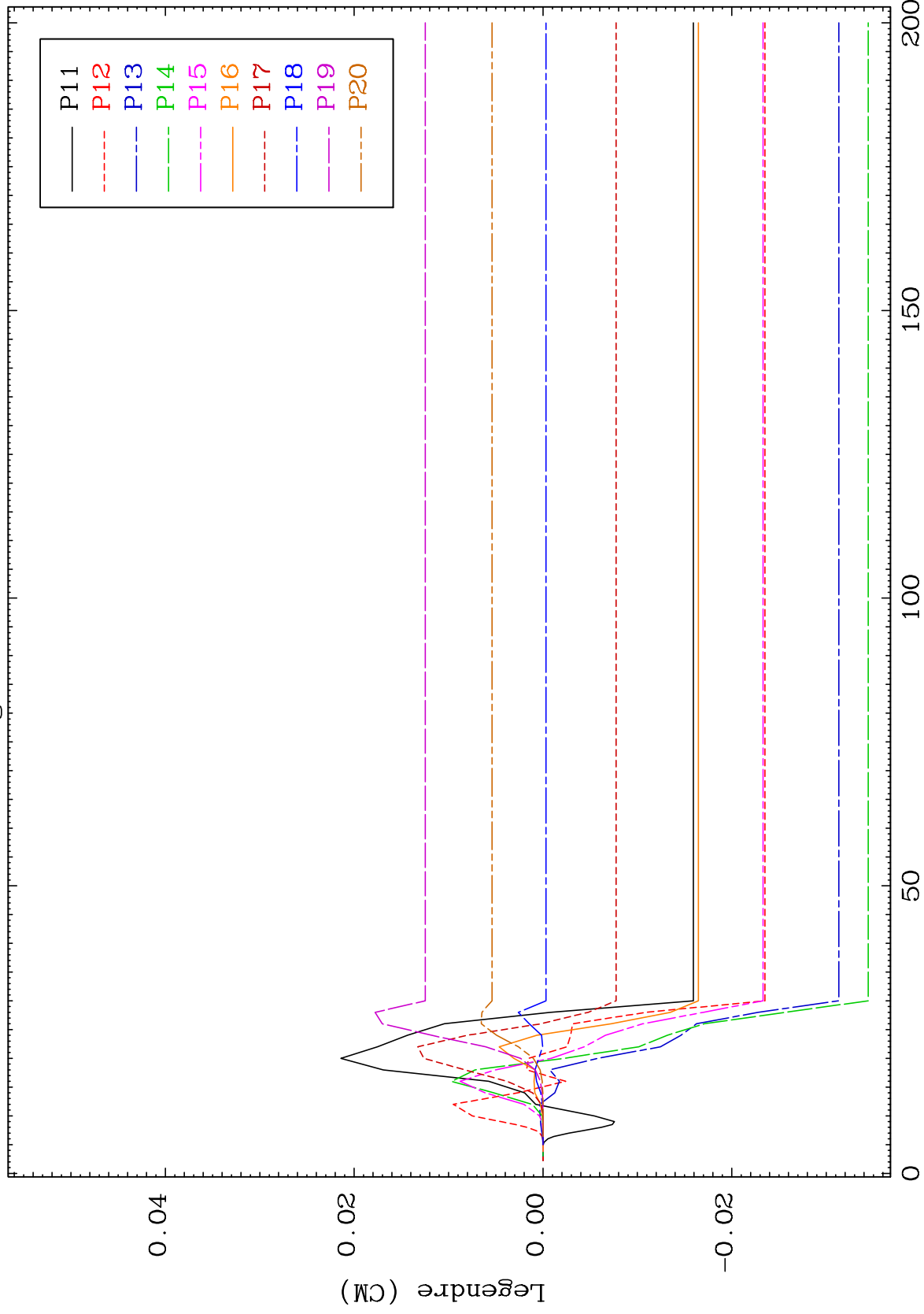


84

MAT 8204

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

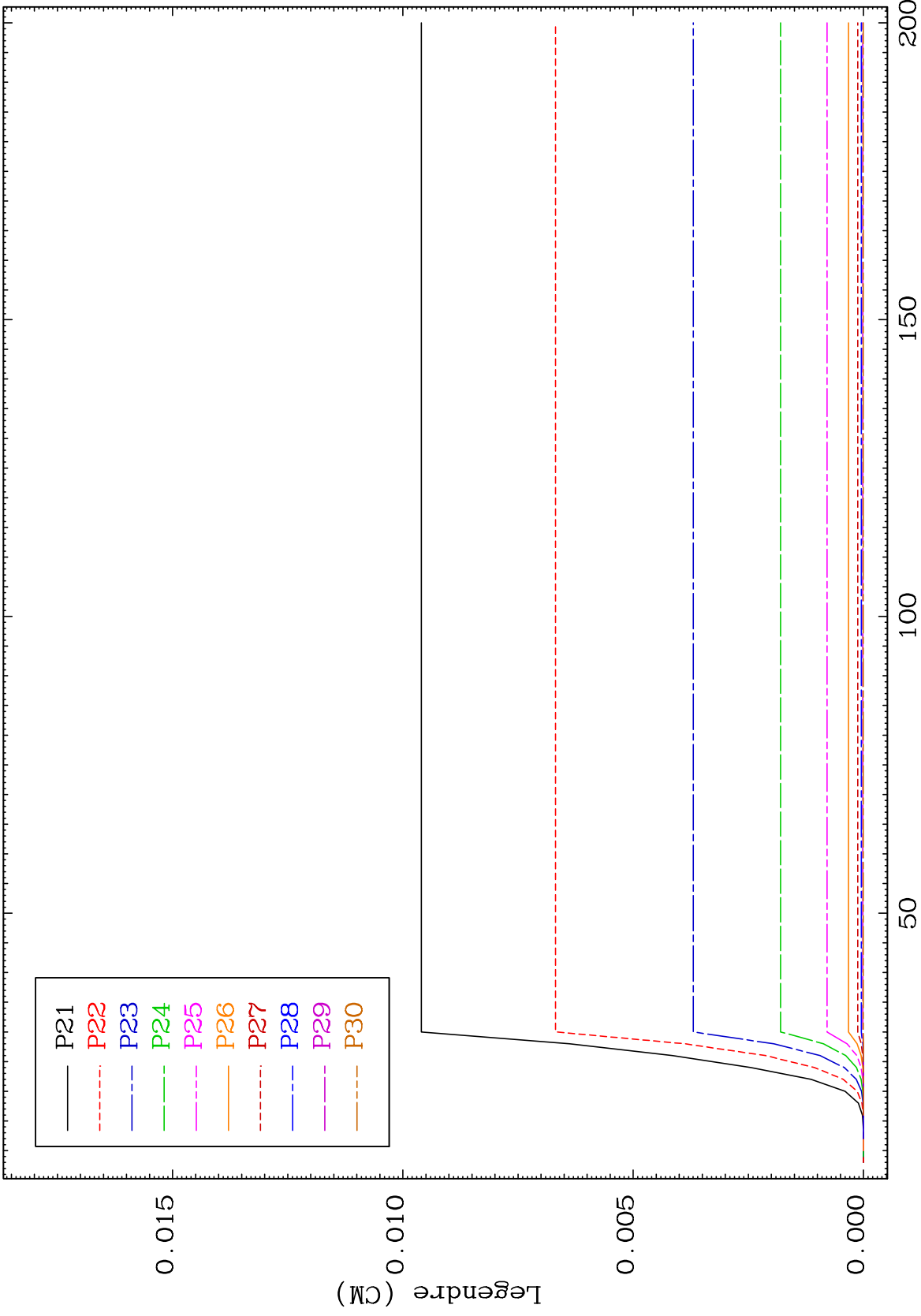
82-Pb-197



85

Incident Energy (MeV)

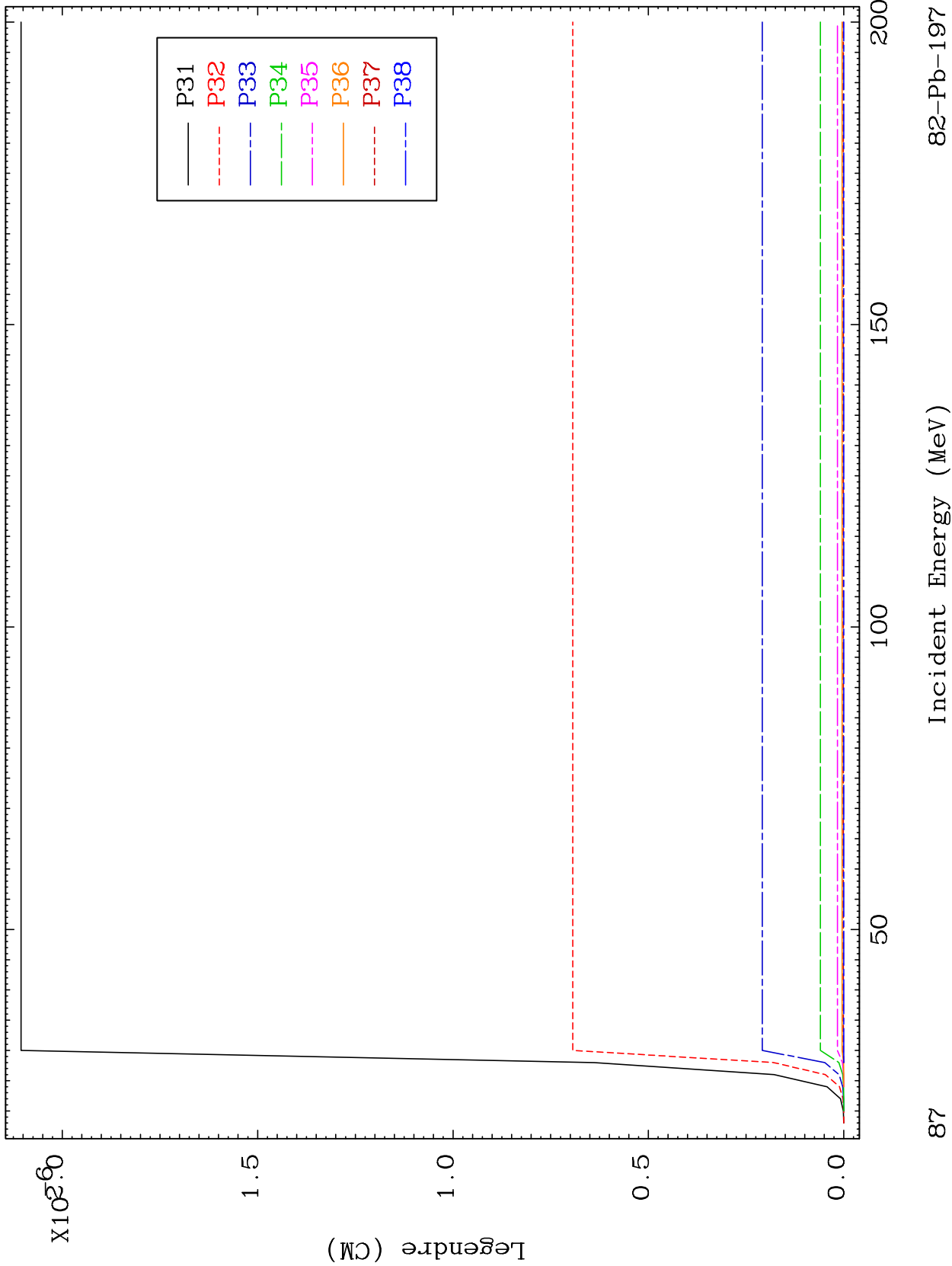
82-Pb-197



MAT 8204

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

82-Pb-197



87

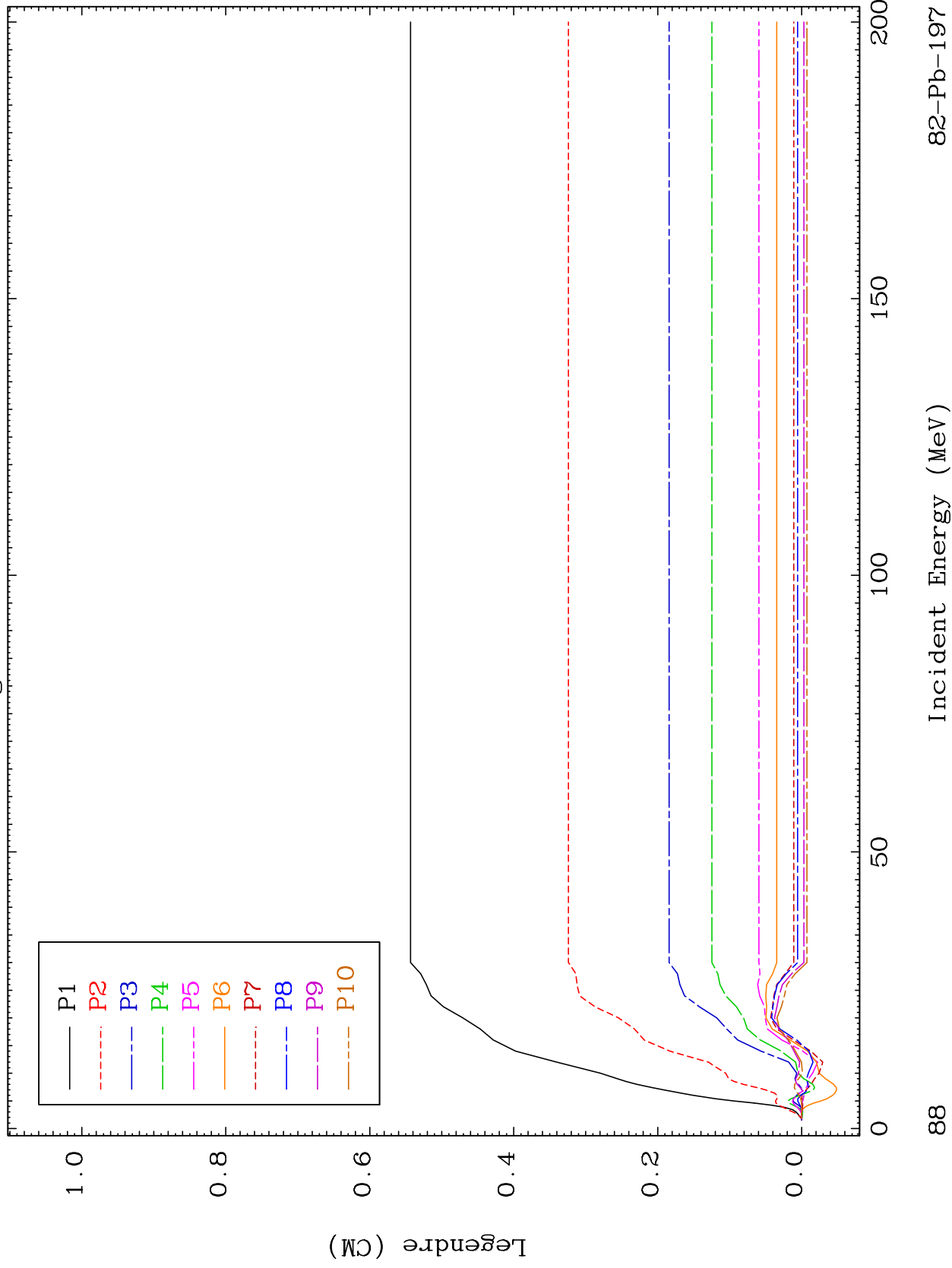
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

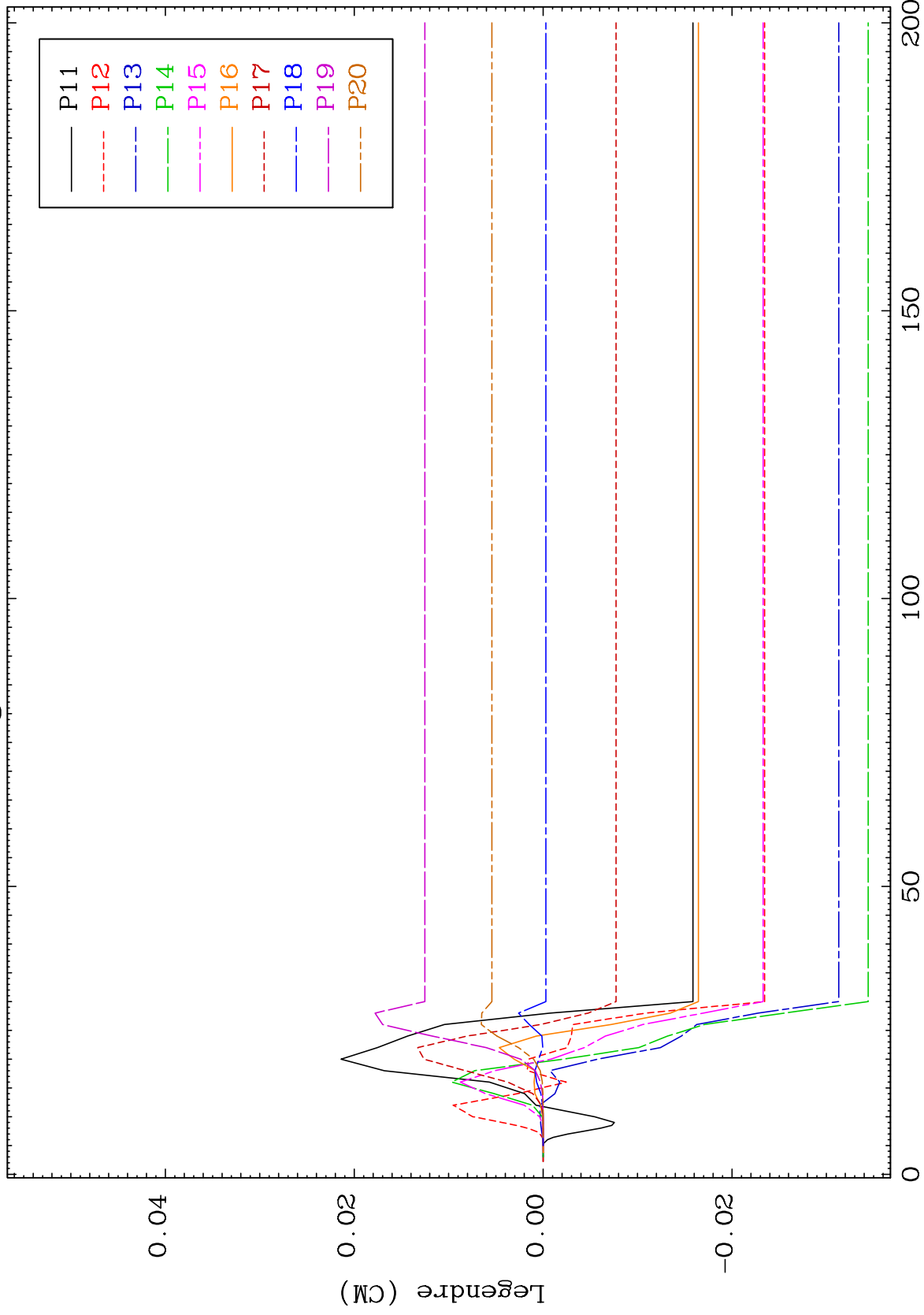
82-Pb-197



MAT 8204

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

82-Pb-197



89

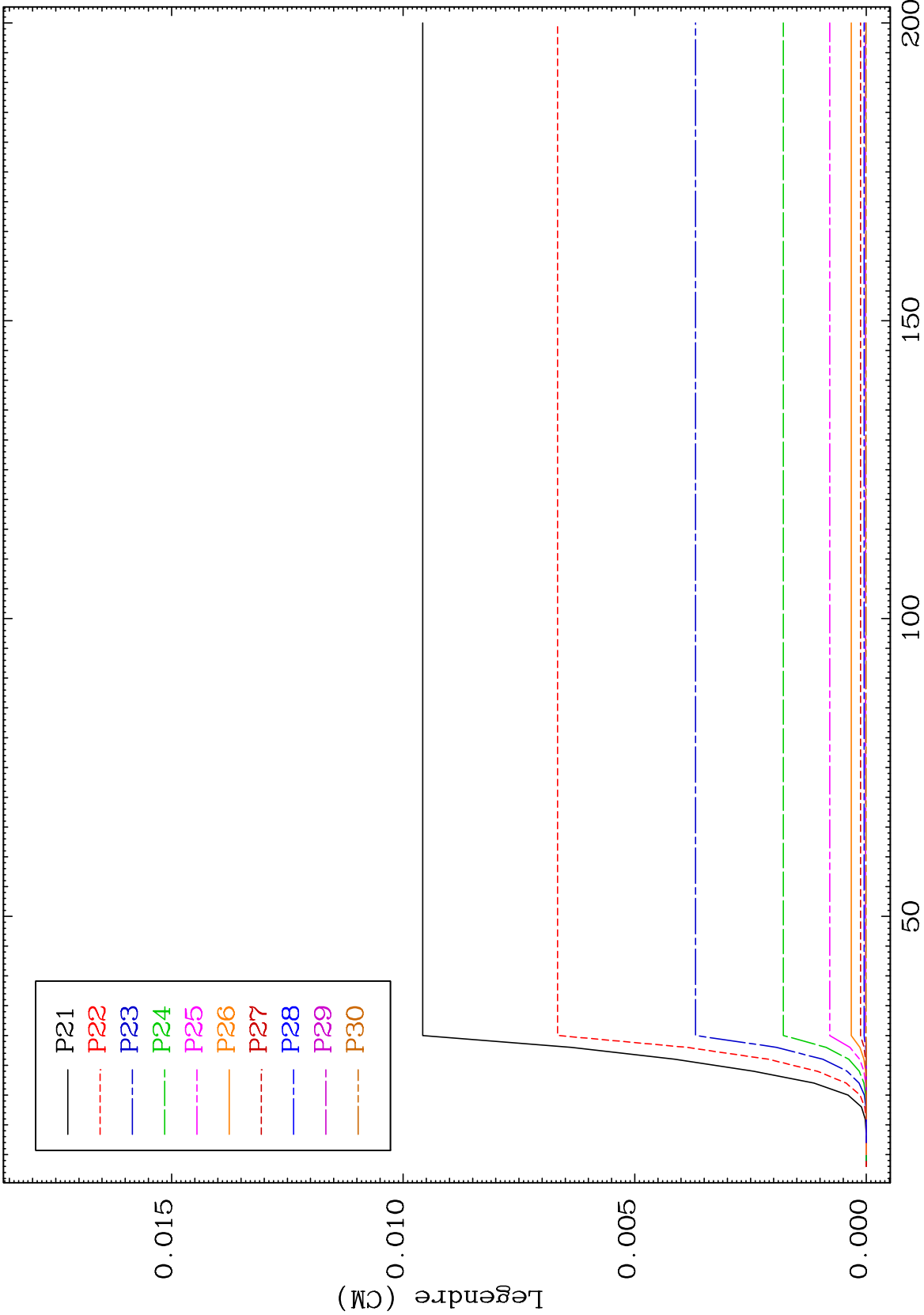
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



90

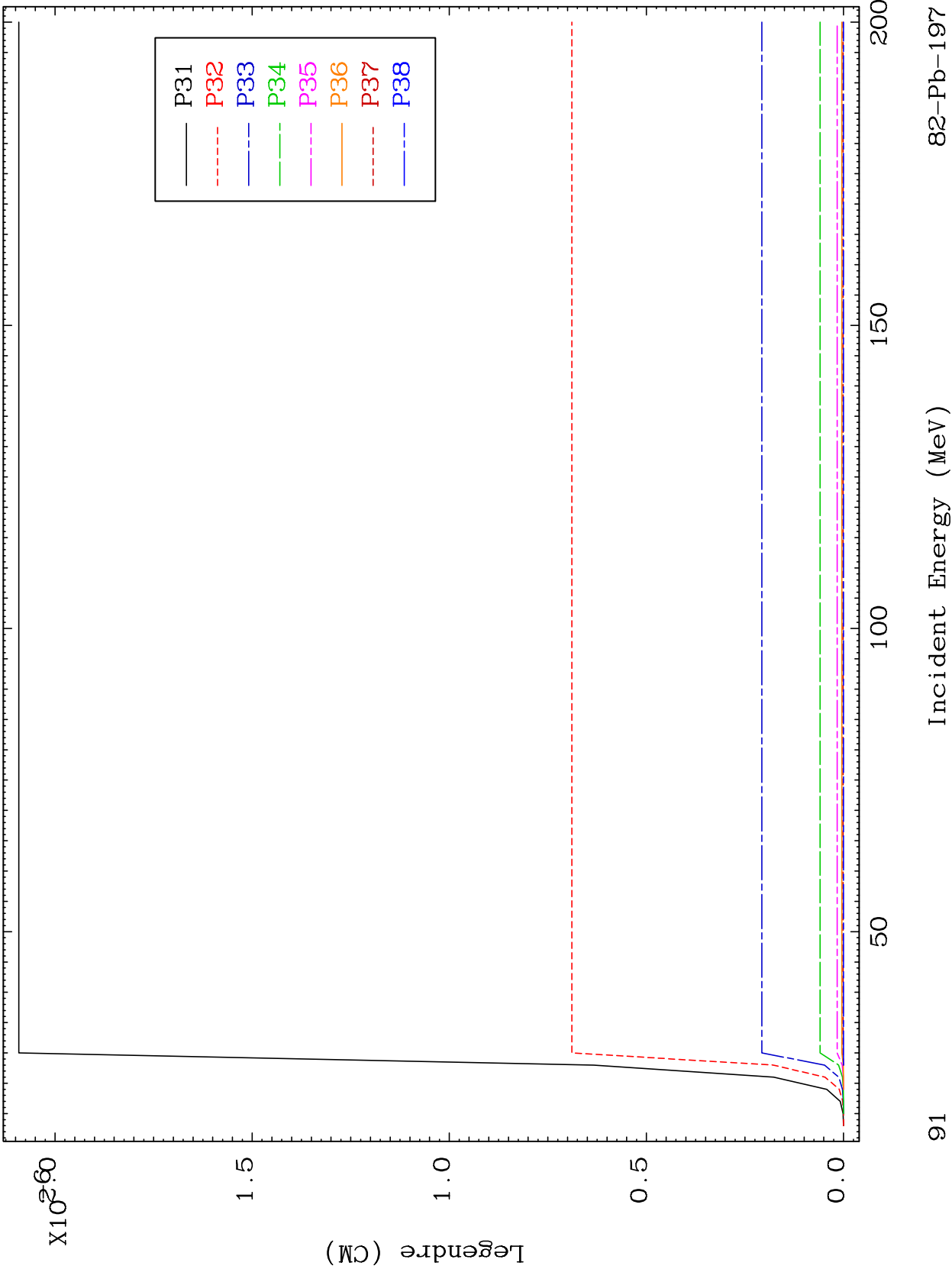
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

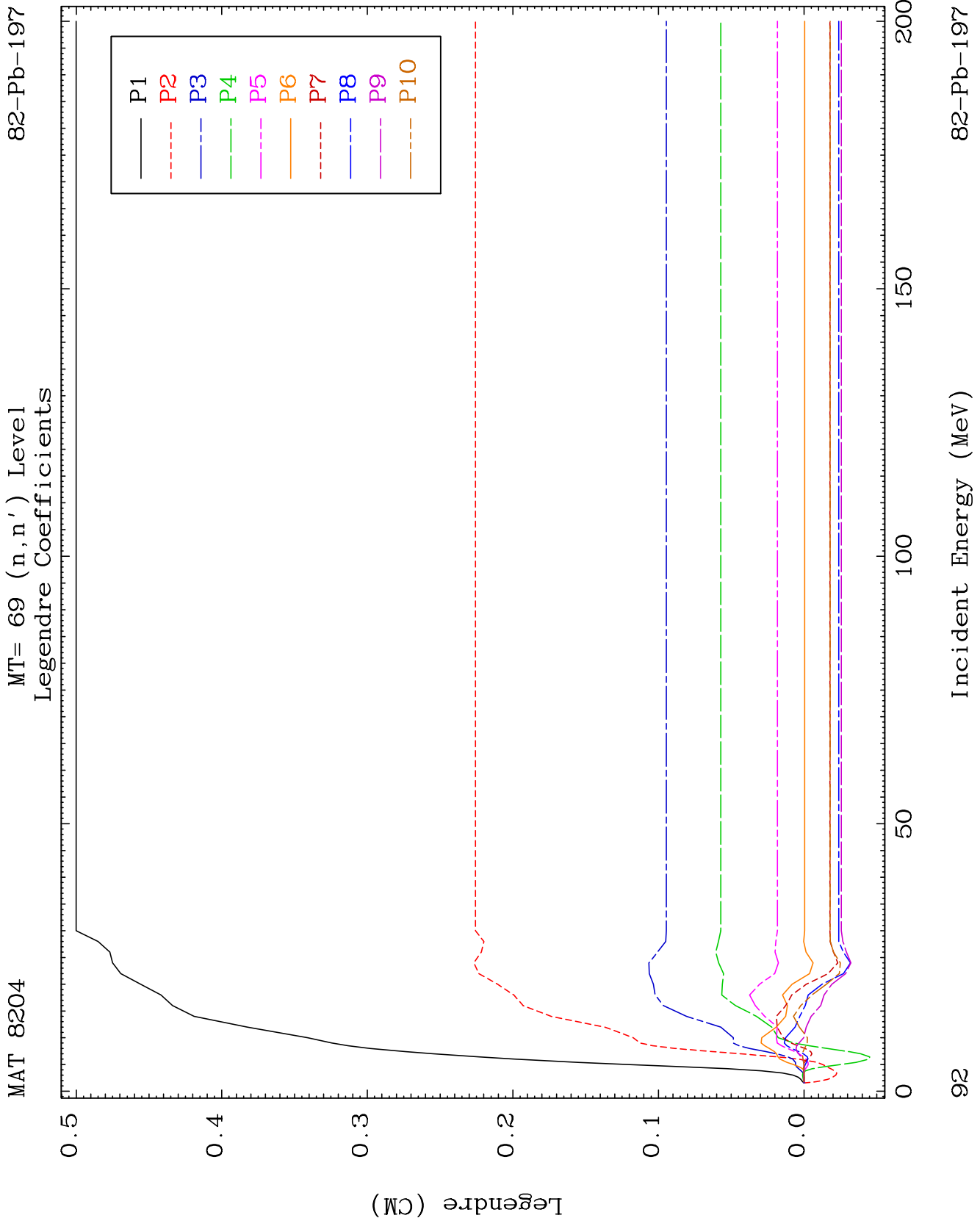
82-Pb-197



91

Incident Energy (MeV)

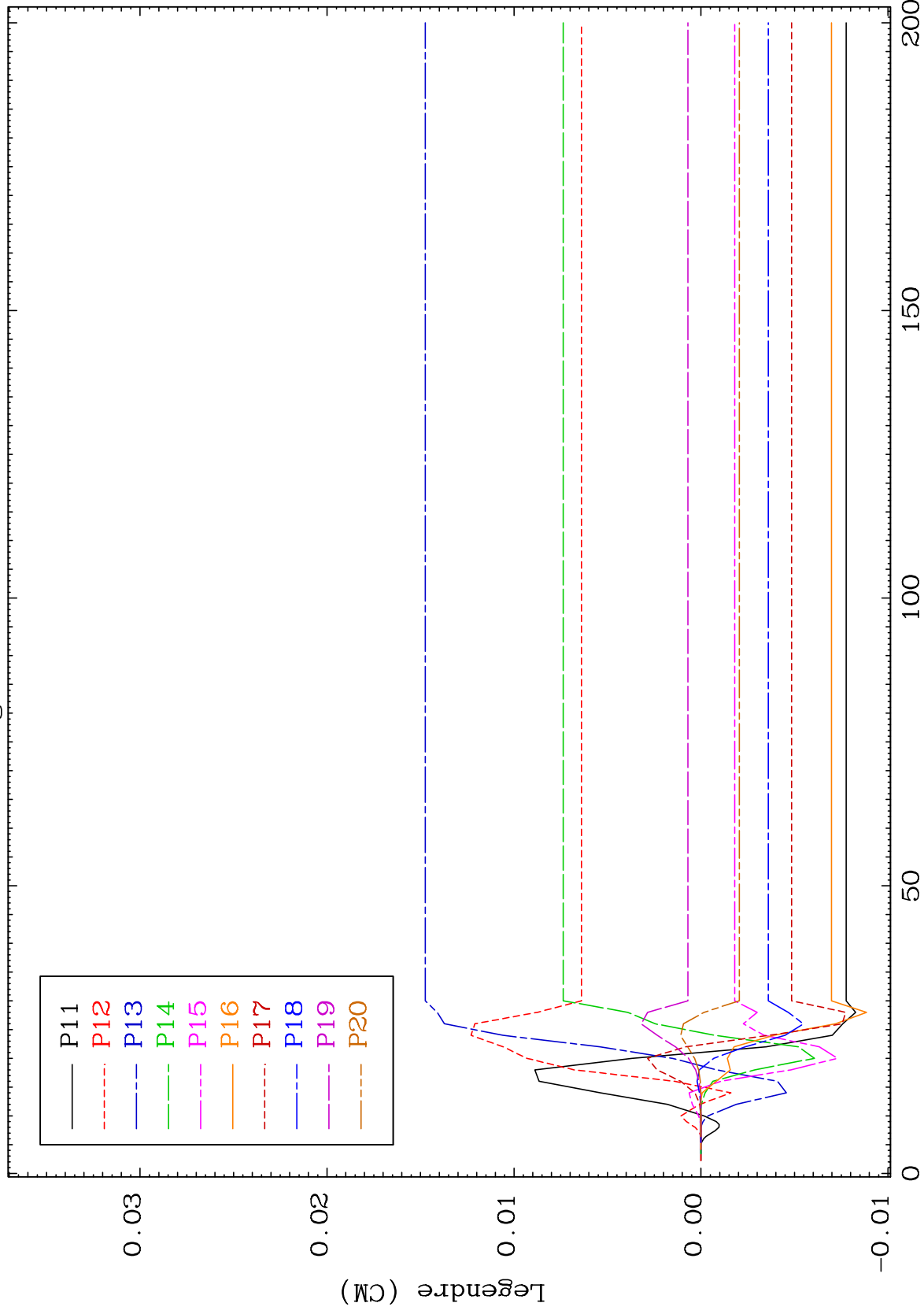
82-Pb-197



MAT 8204

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

82-Pb-197



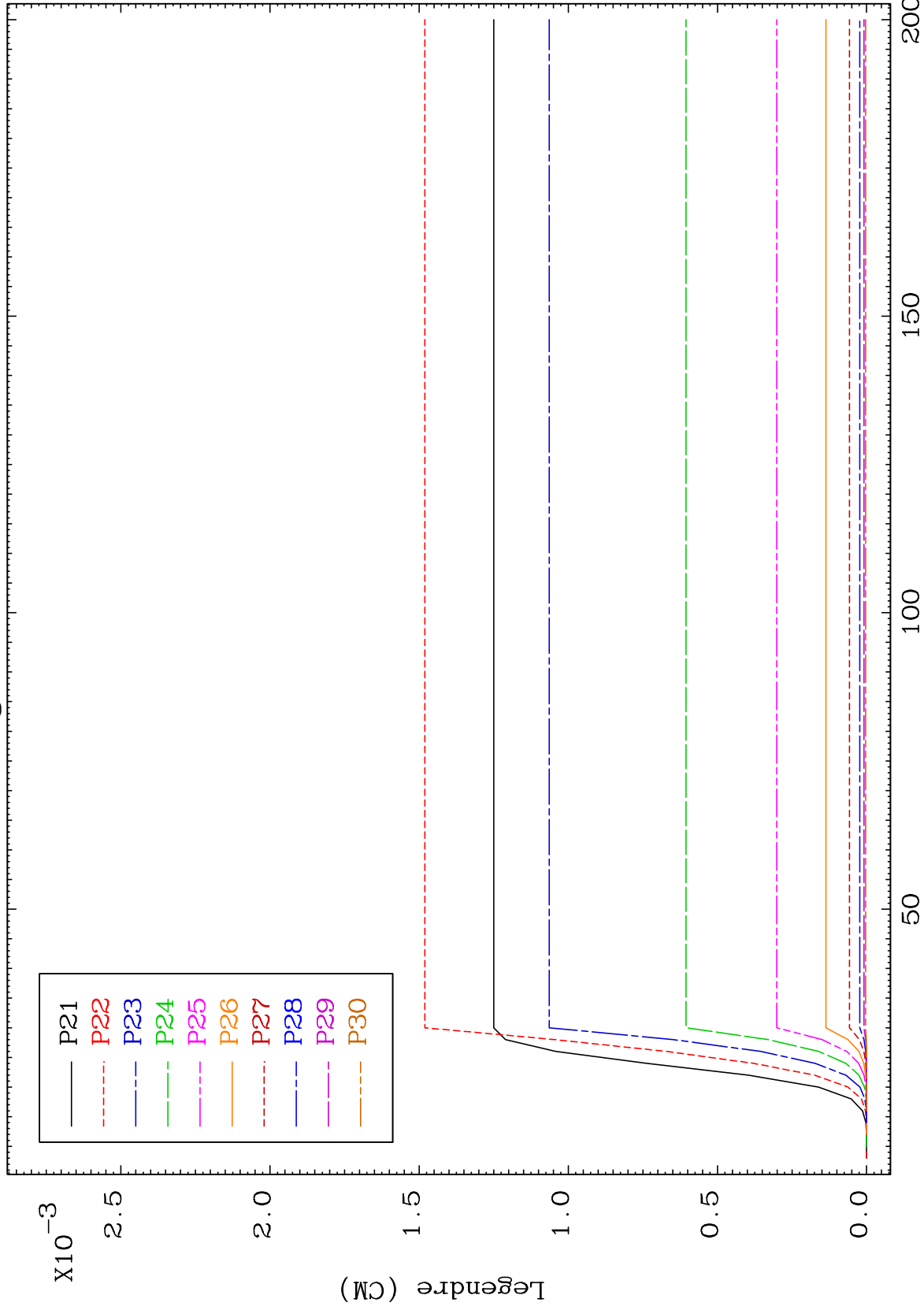
93

82-Pb-197

MAT 8204

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

82-Pb-197



94

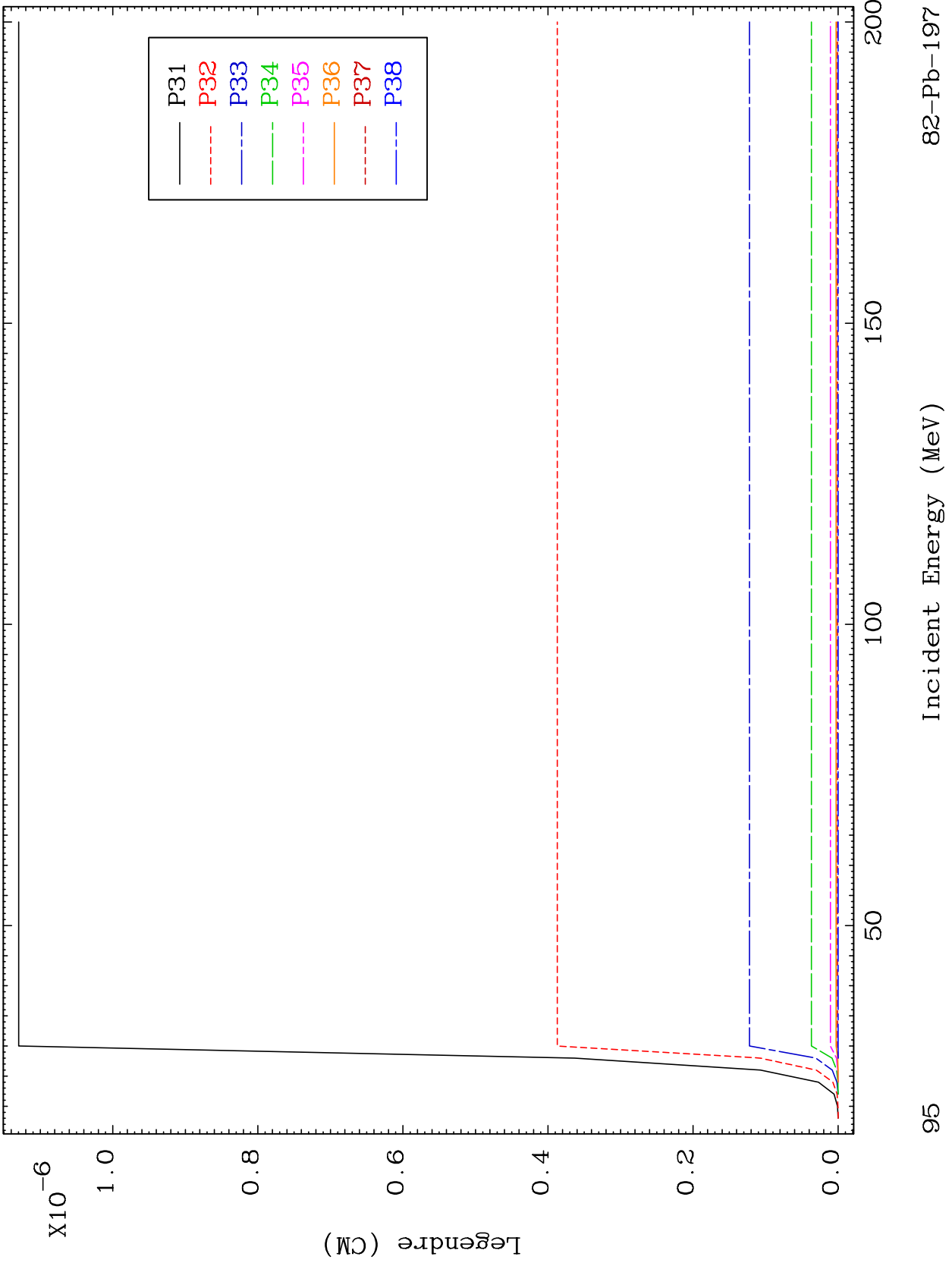
Incident Energy (MeV)

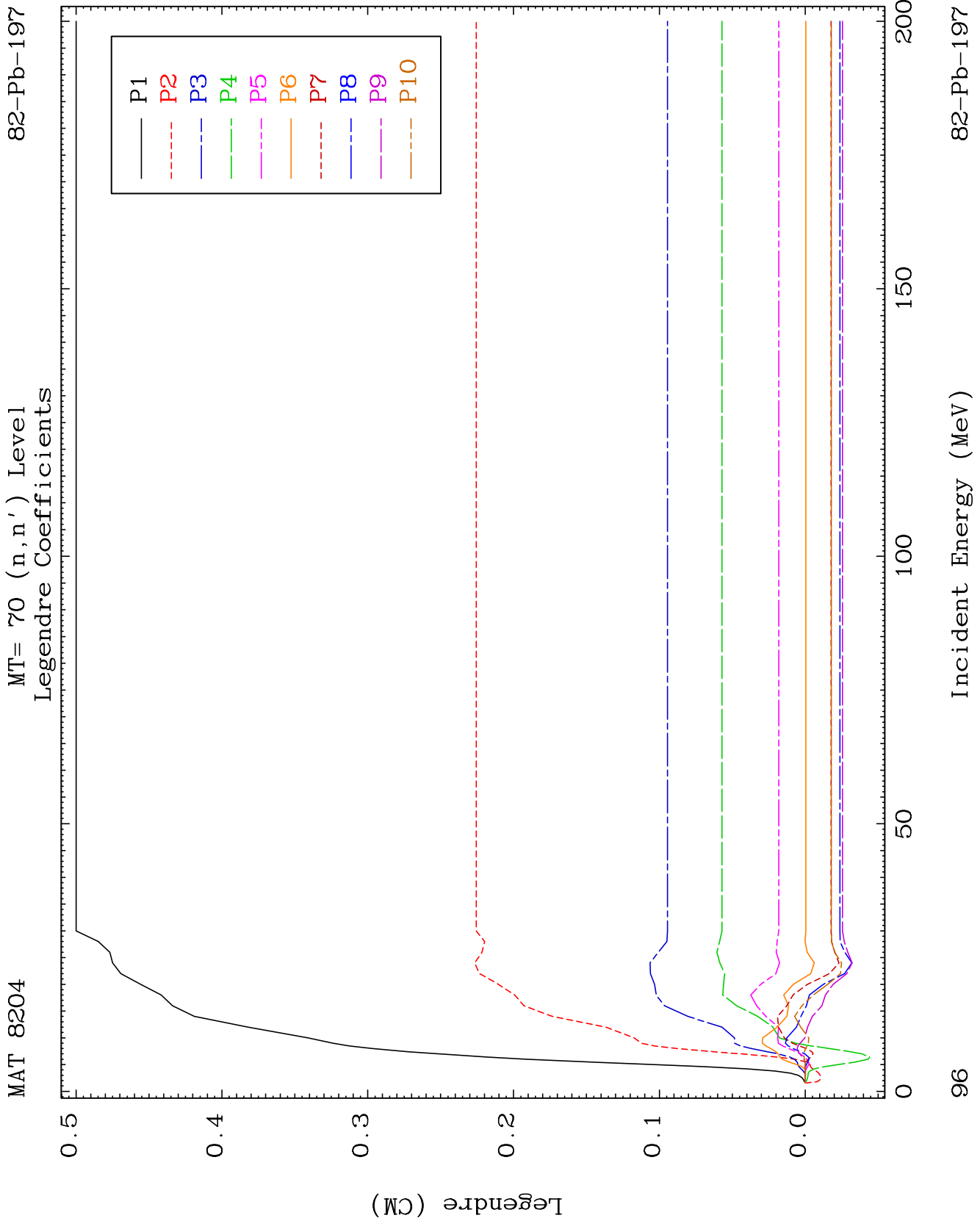
82-Pb-197

MAT 8204

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

82-Pb-197

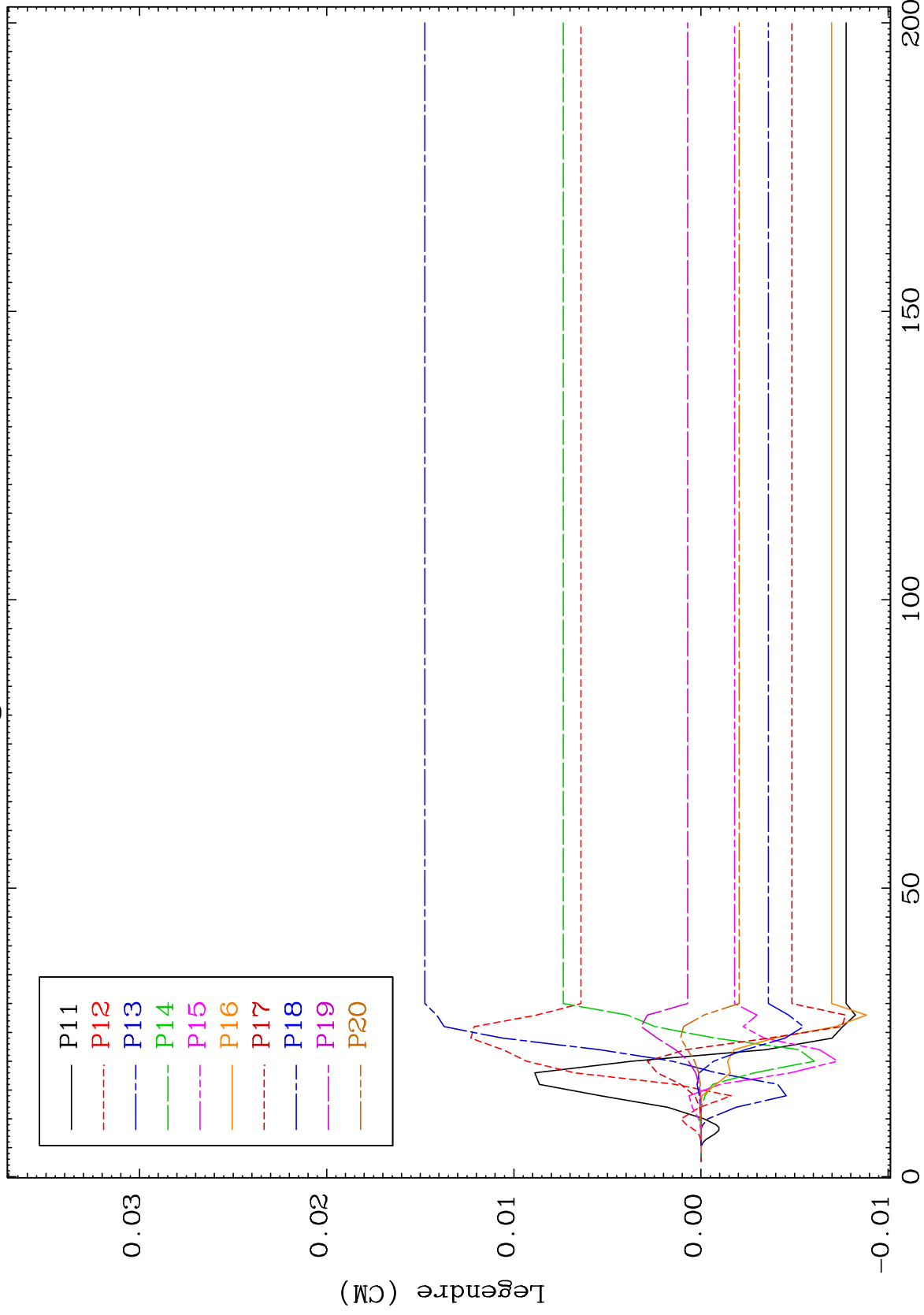




MAT 8204

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

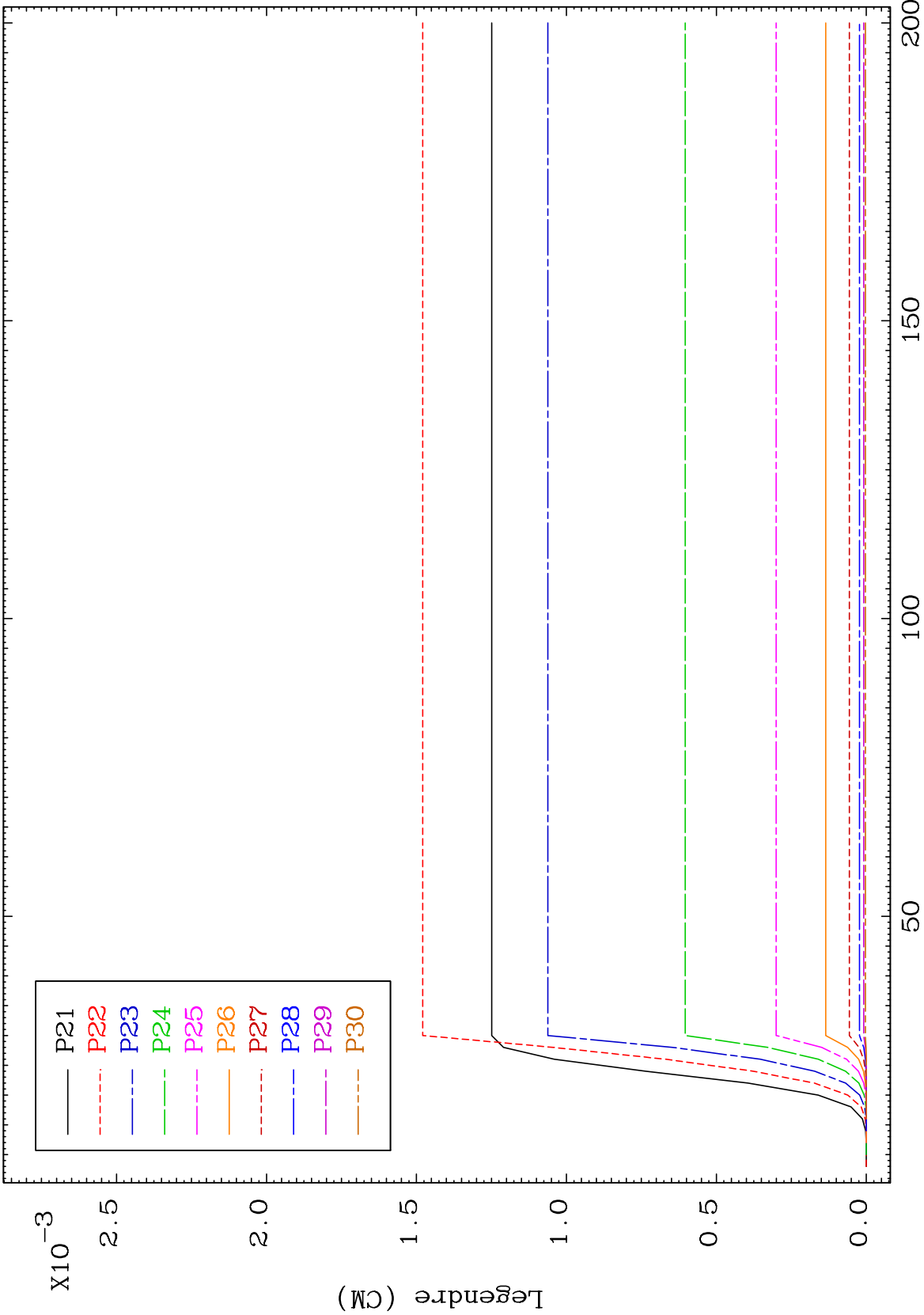
82-Pb-197



97

Incident Energy (MeV)

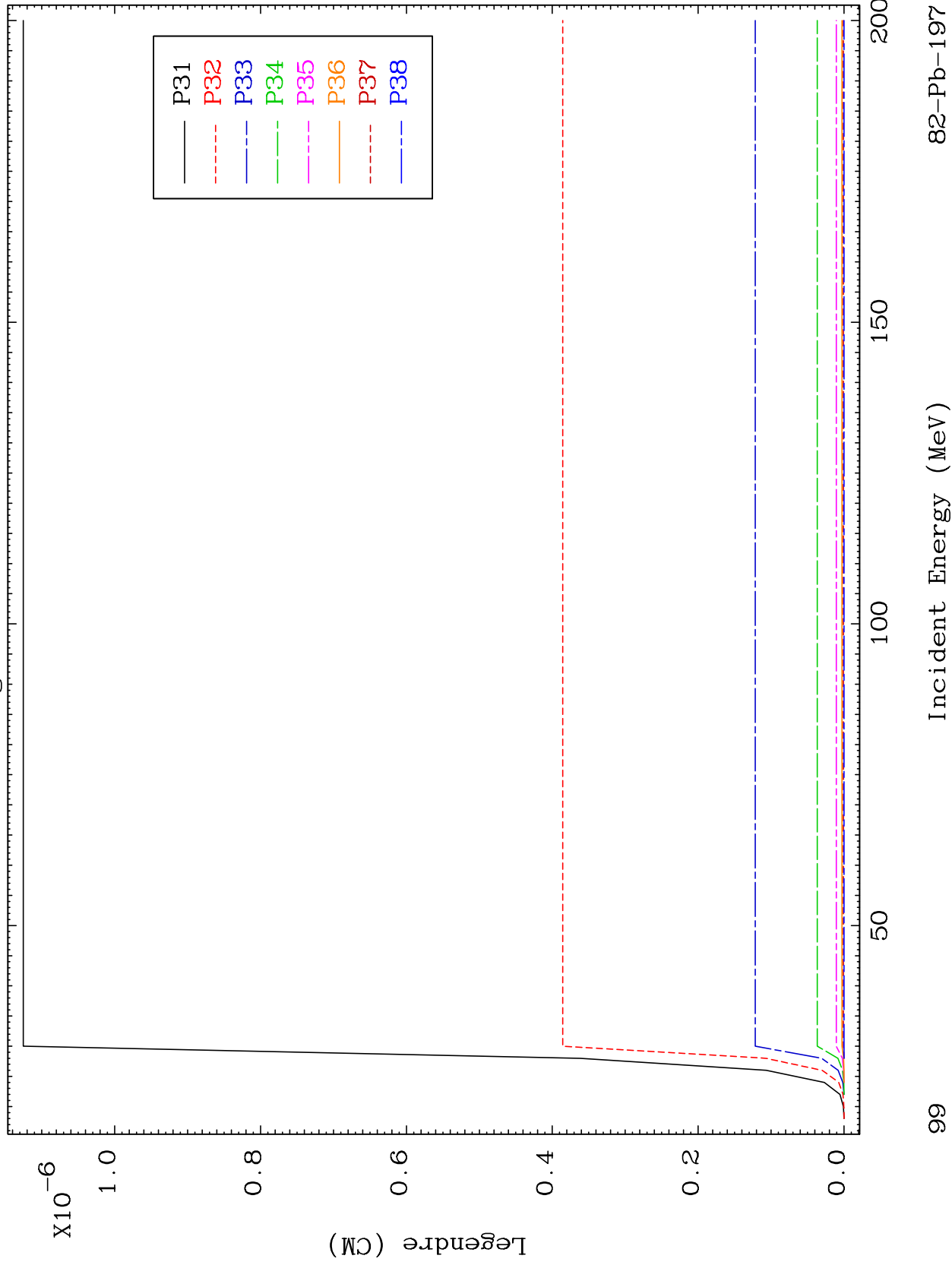
82-Pb-197

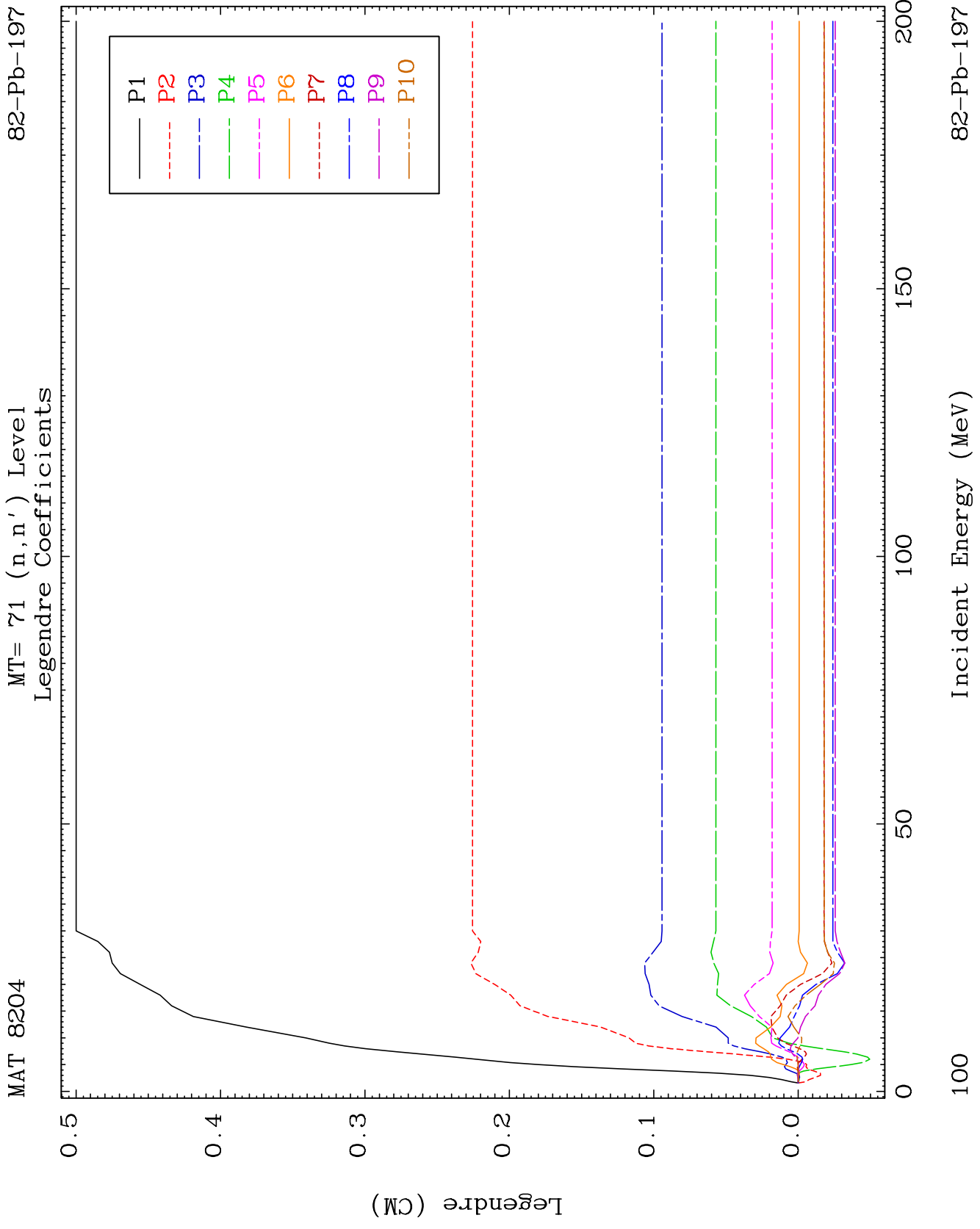


MAT 8204

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

82-Pb-197

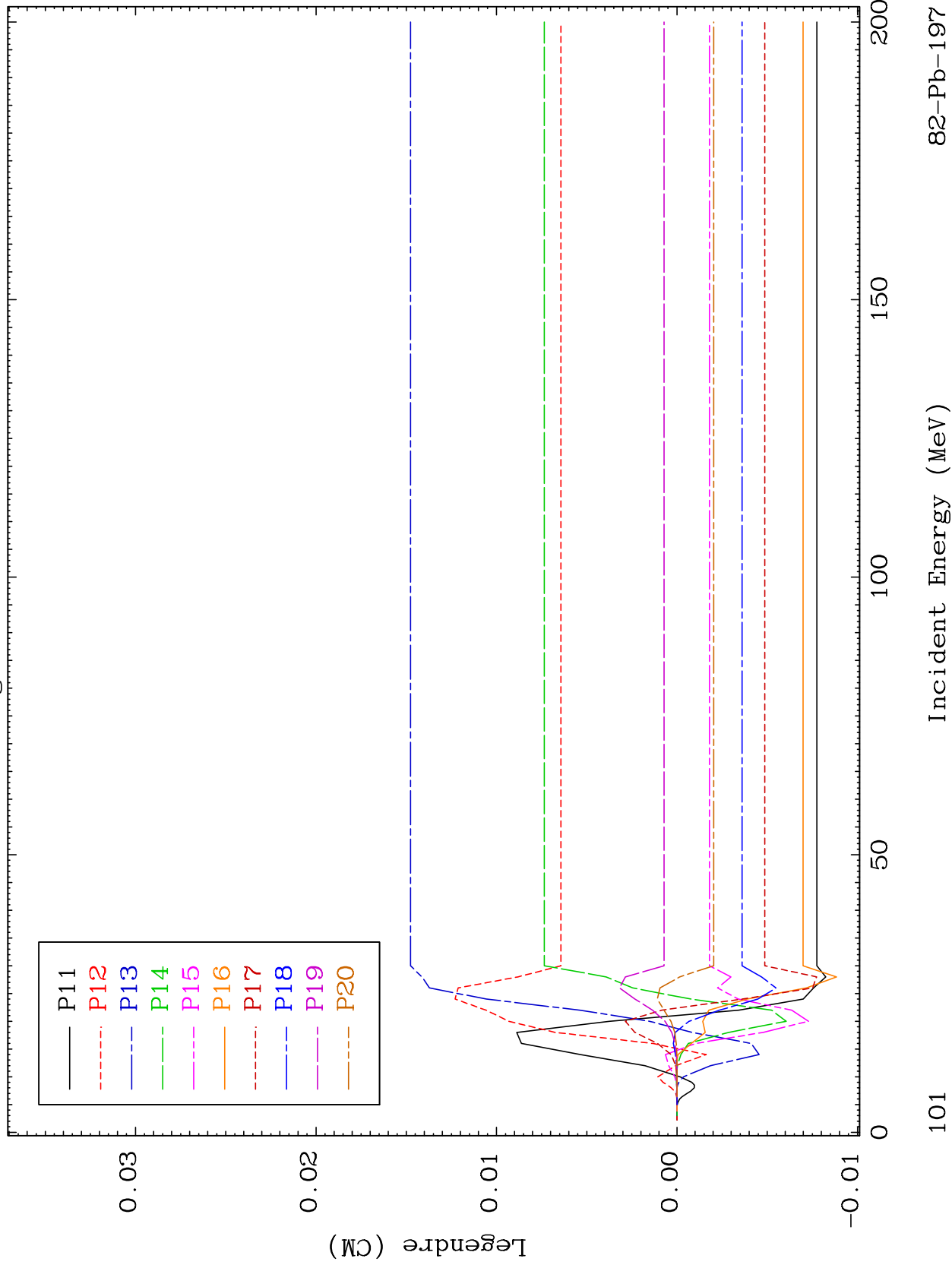




MAT 8204

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

82-Pb-197



101

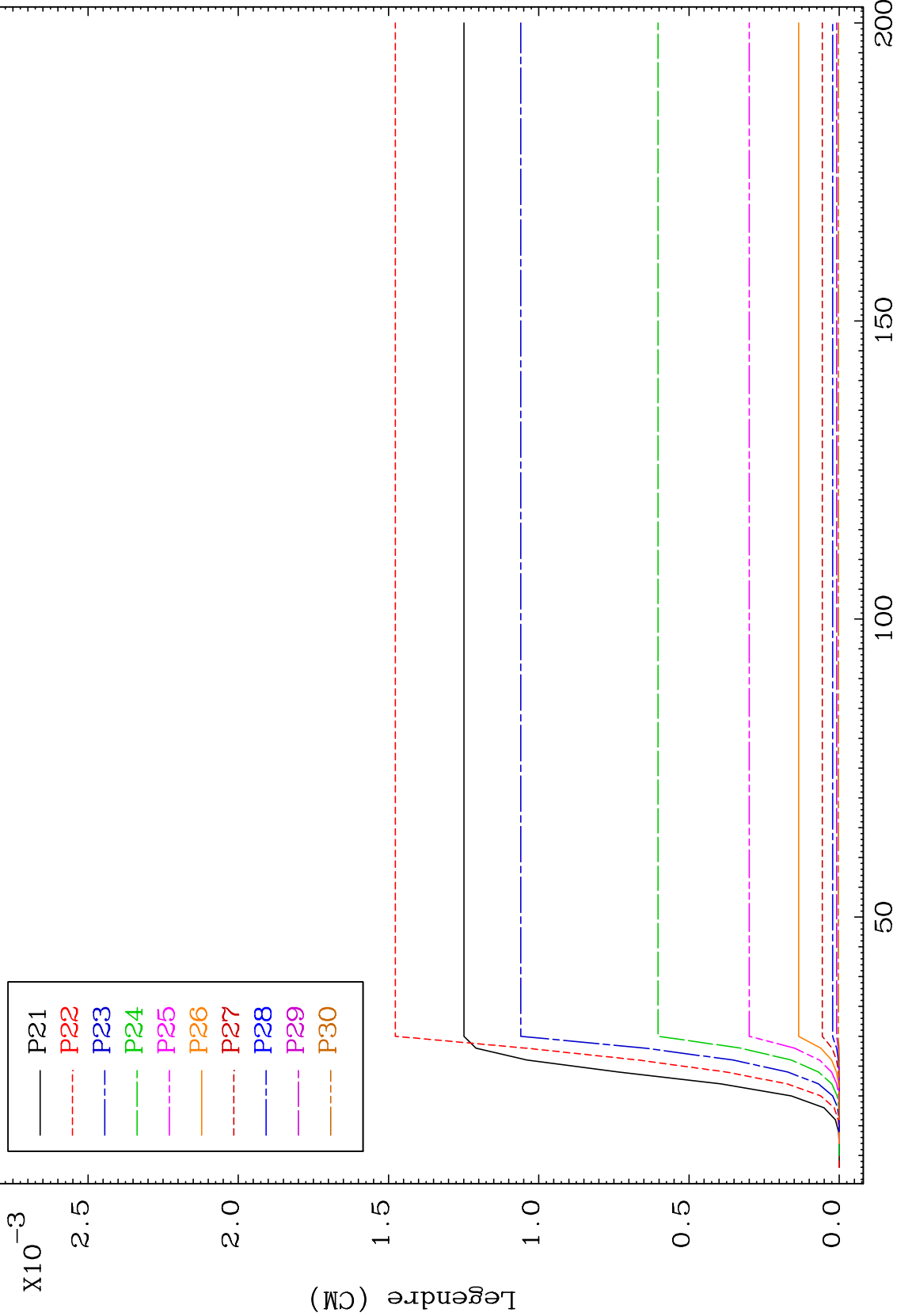
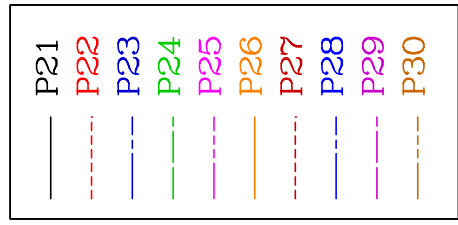
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



102

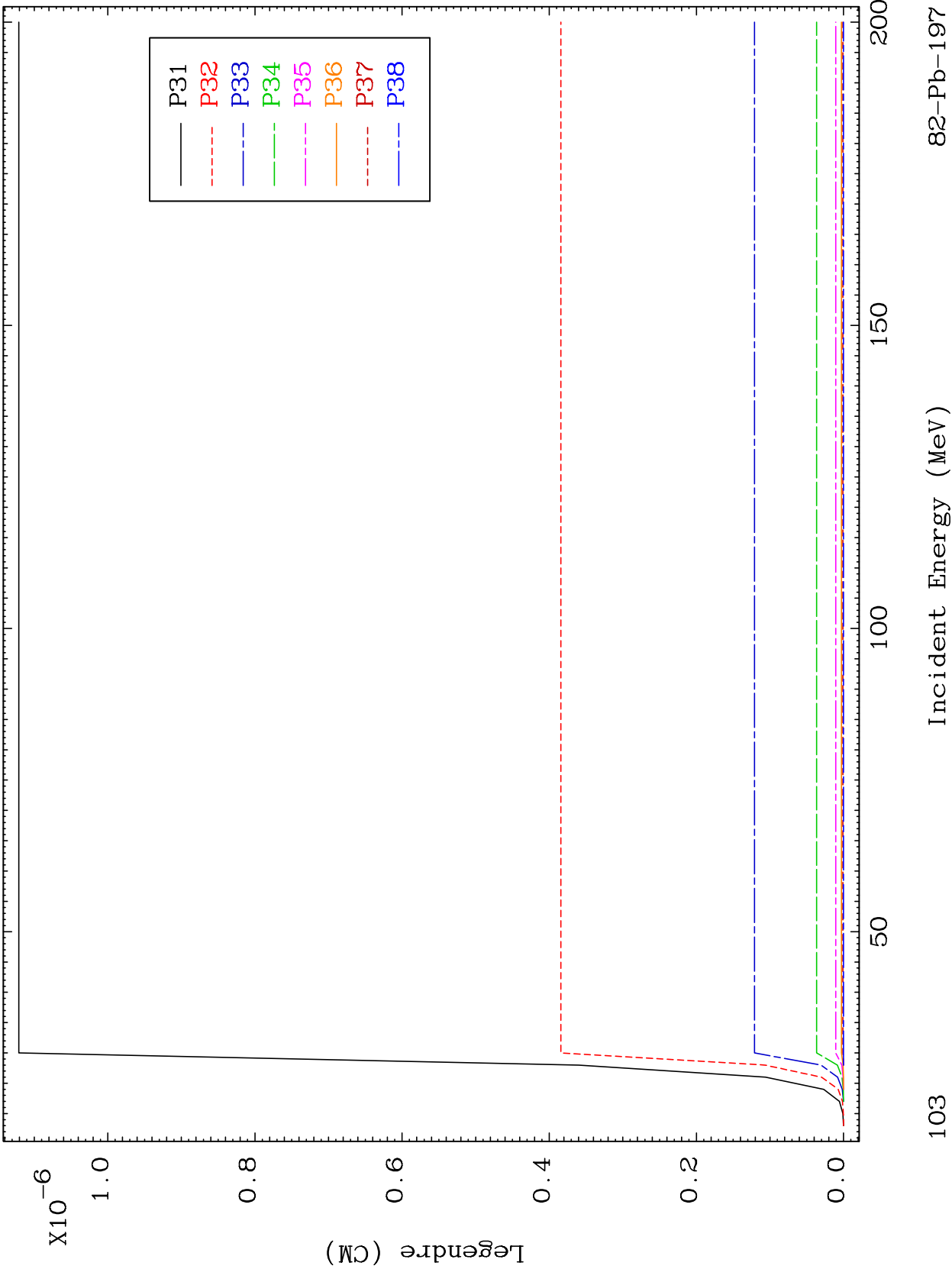
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



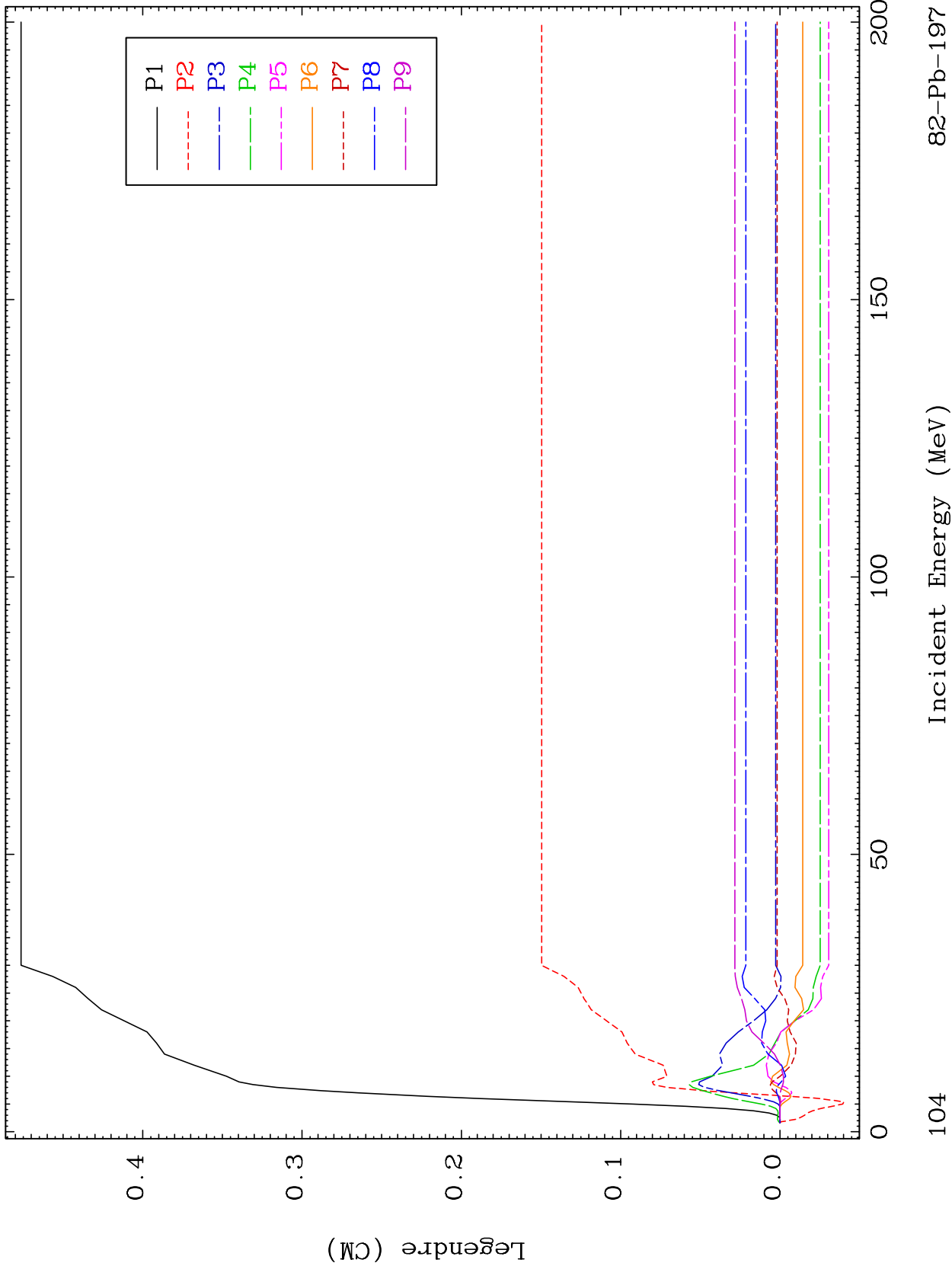
103

82-Pb-197

MAT 8204

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

82-Pb-197



104

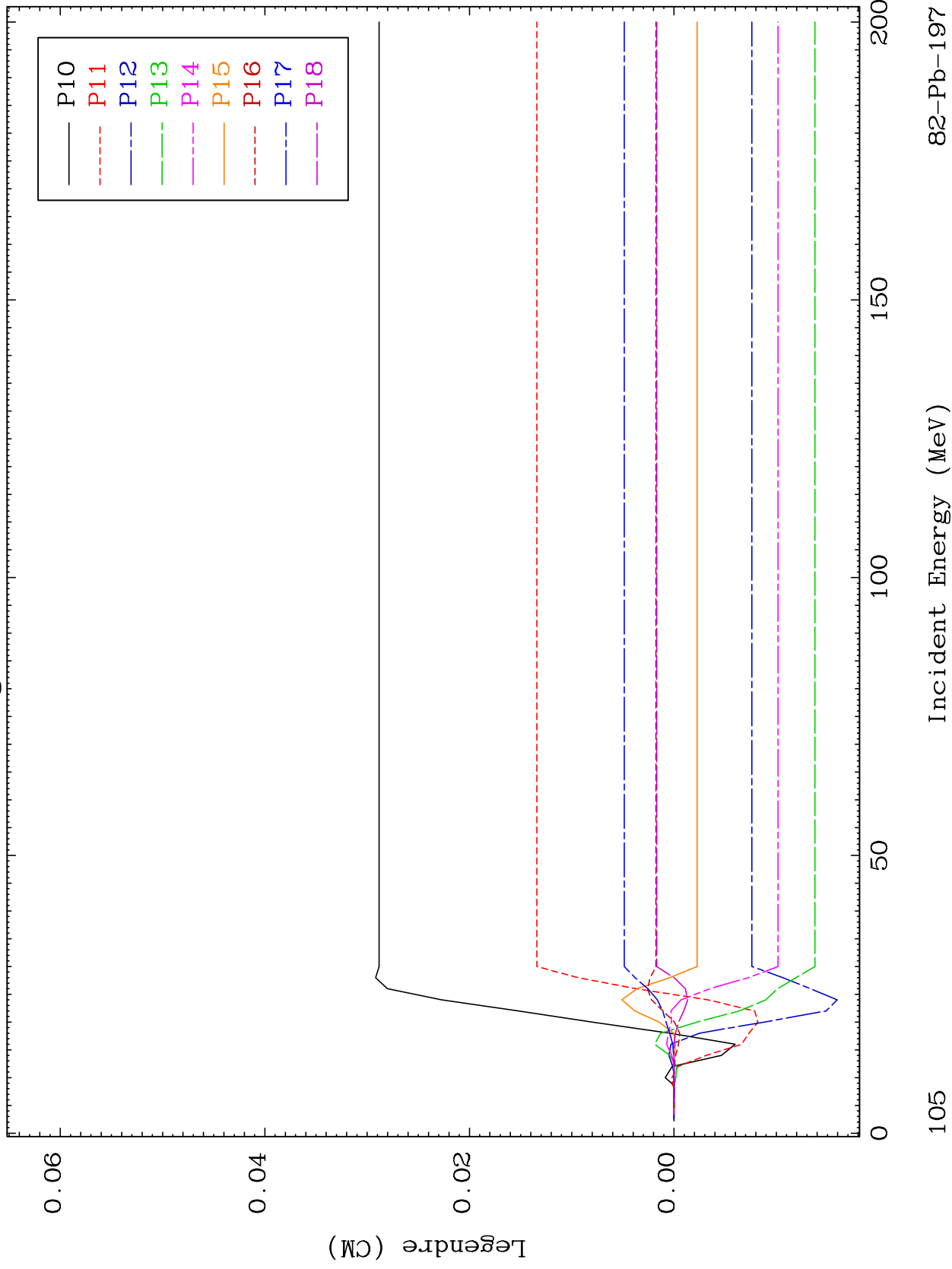
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

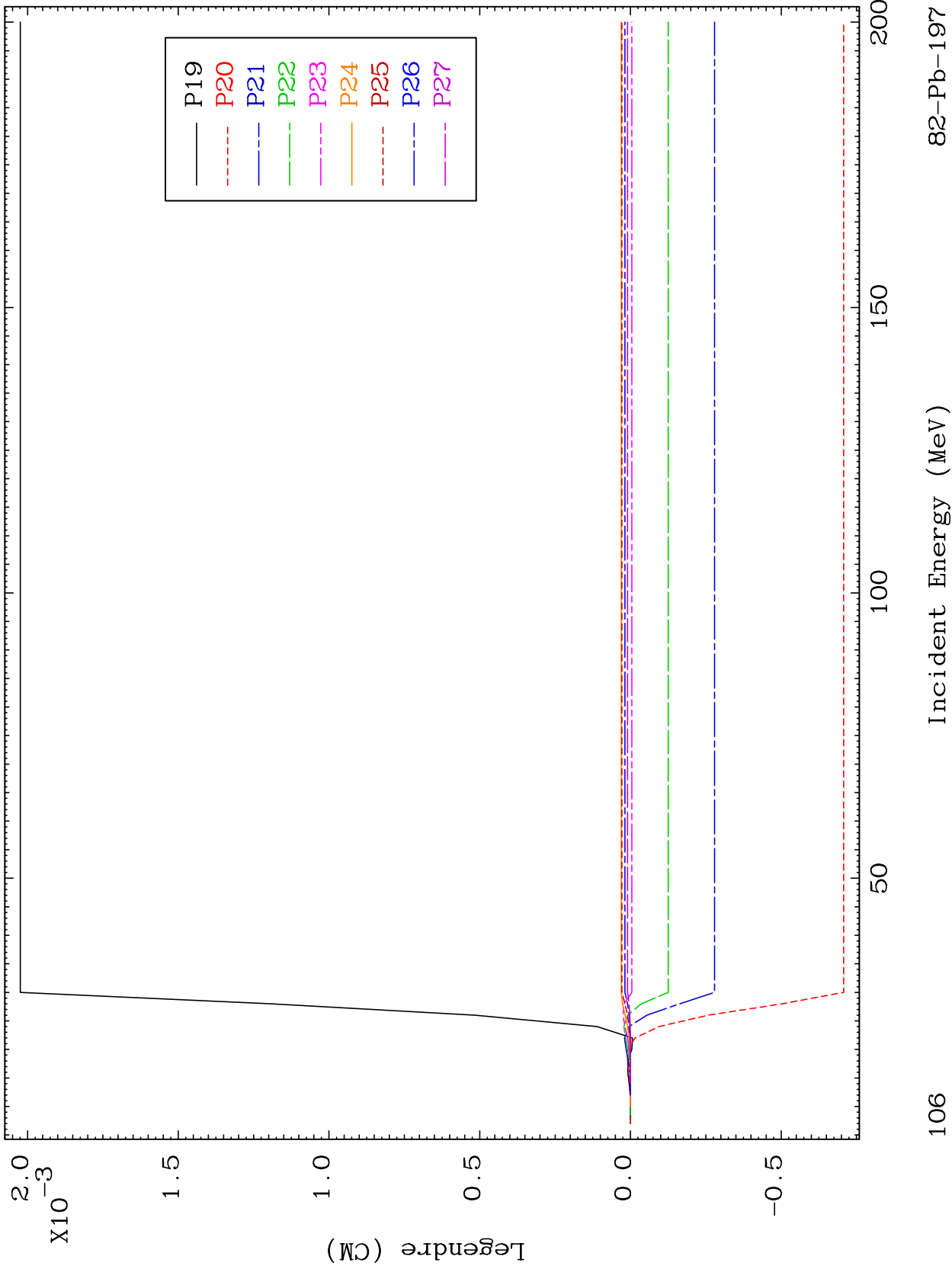
82-Pb-197



MAT 8204

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

82-Pb-197



106

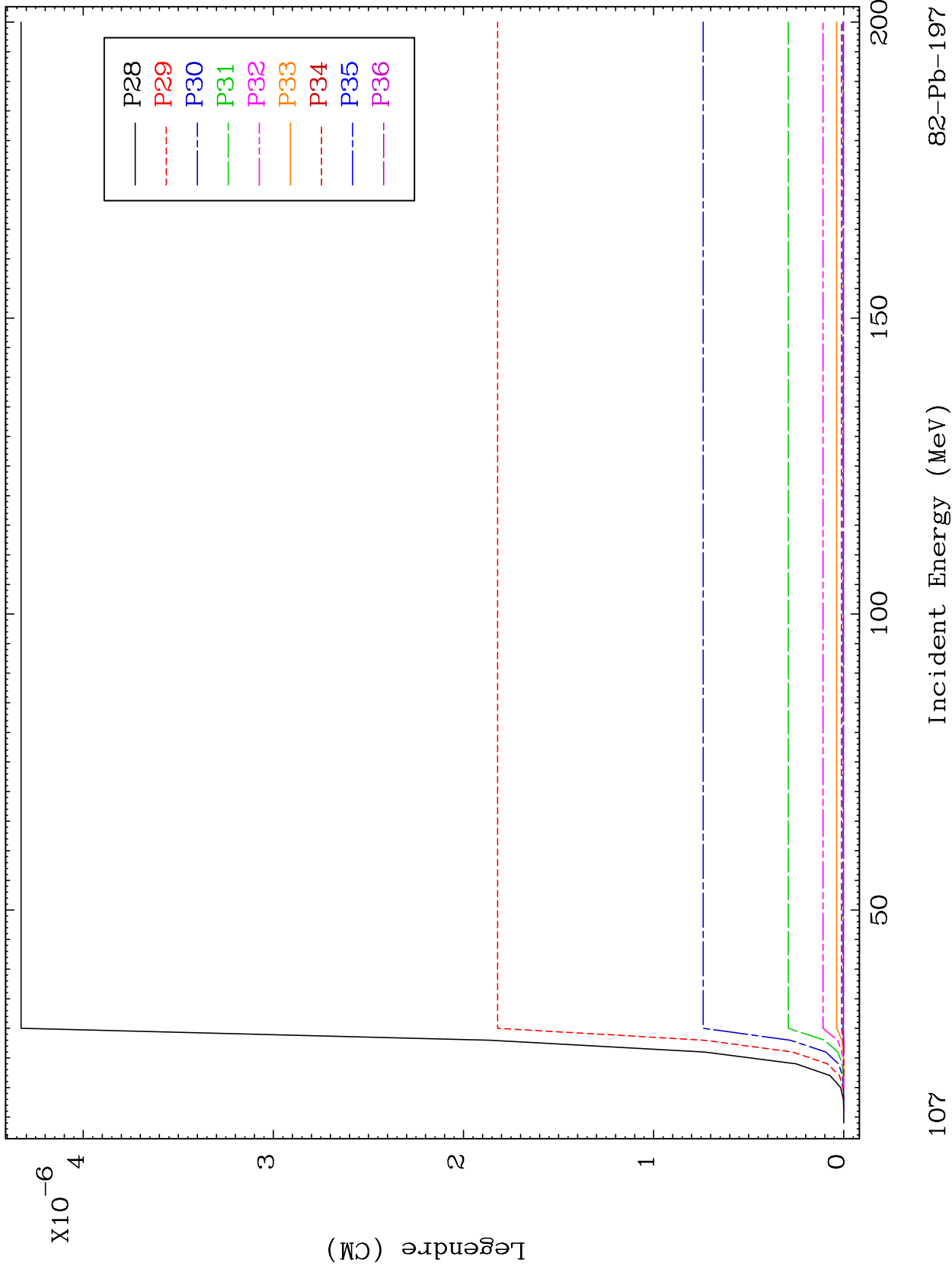
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



107

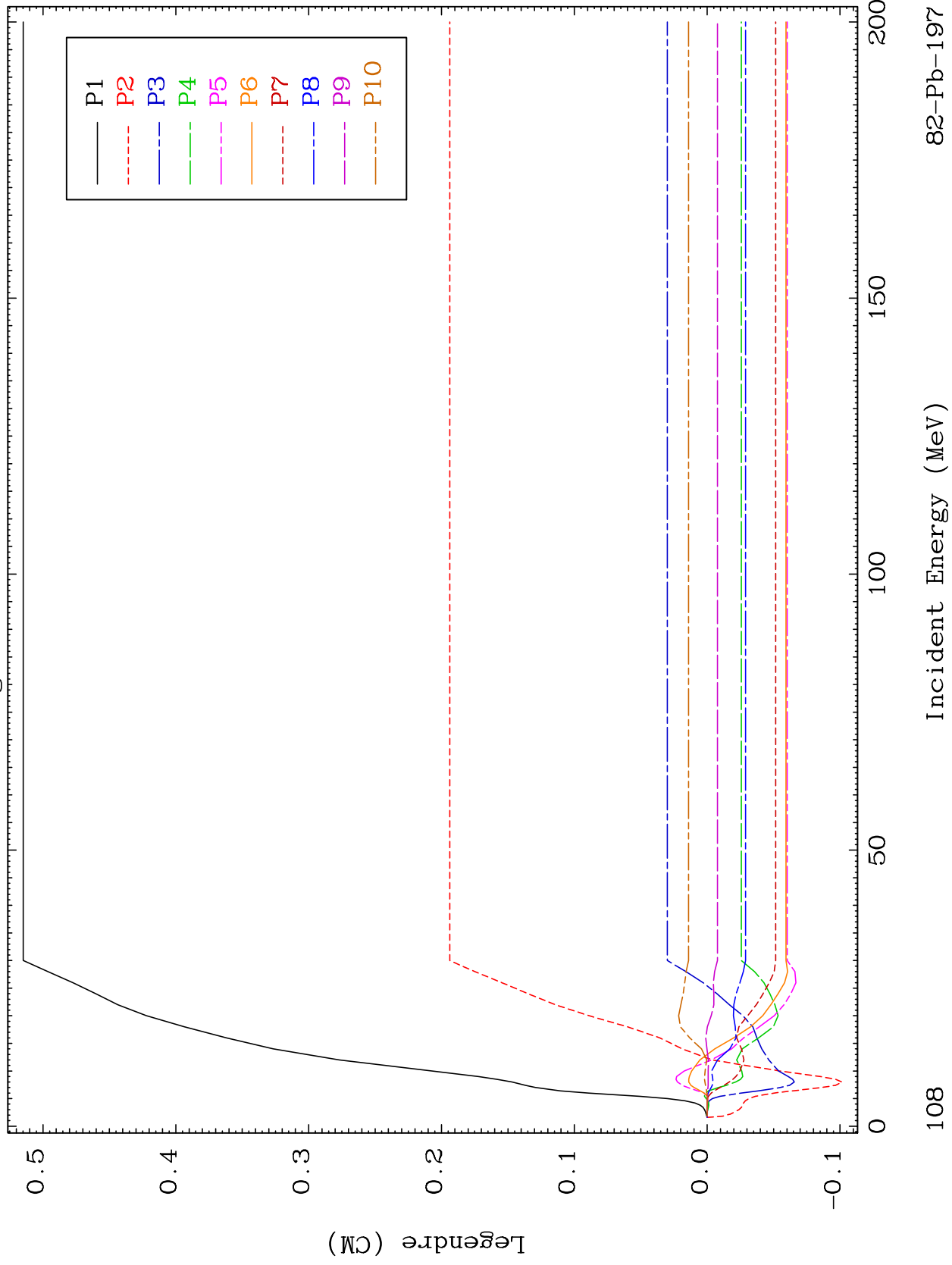
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



82-Pb-197

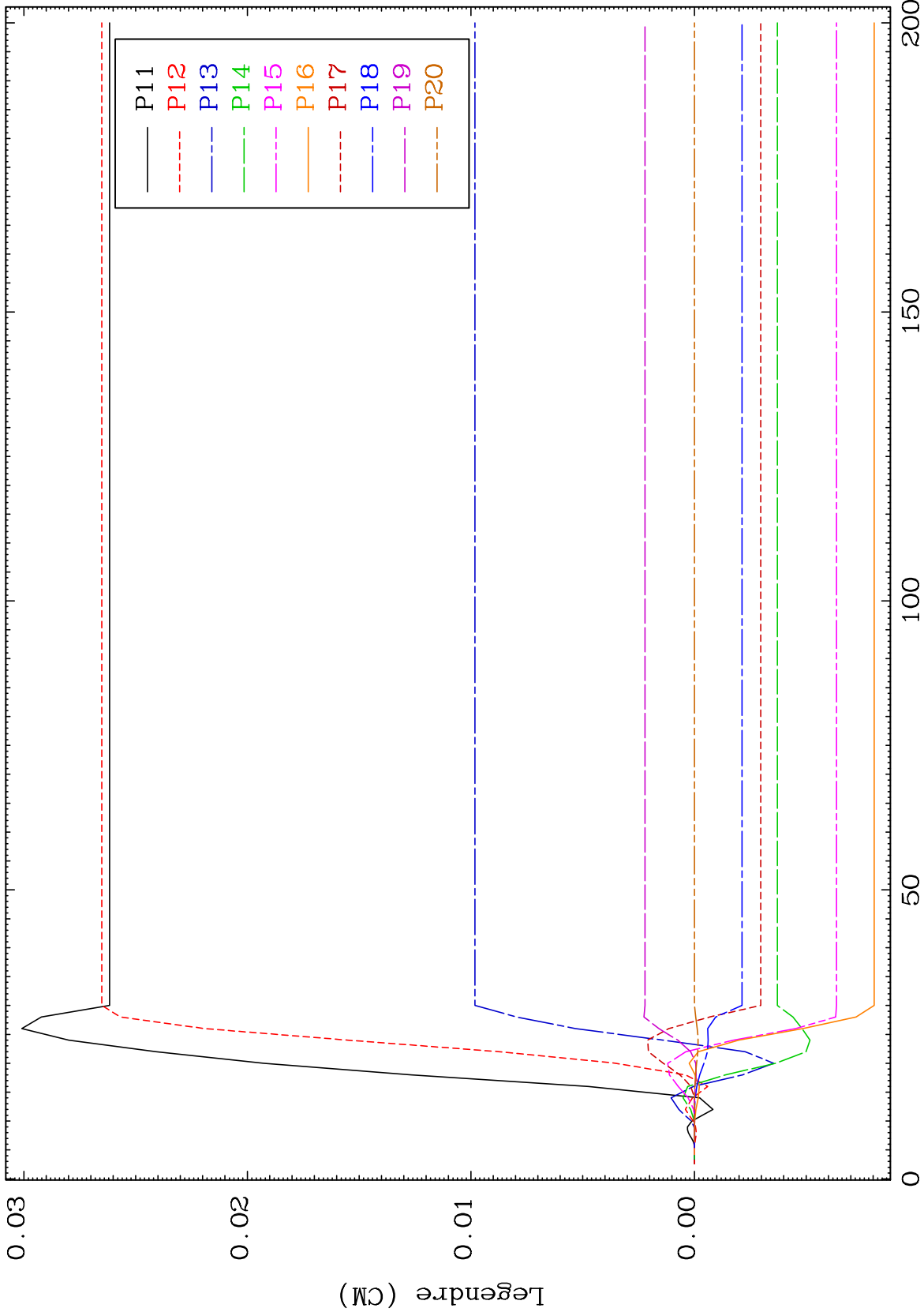
Incident Energy (MeV)

108

MAT 8204

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

82-Pb-197



109

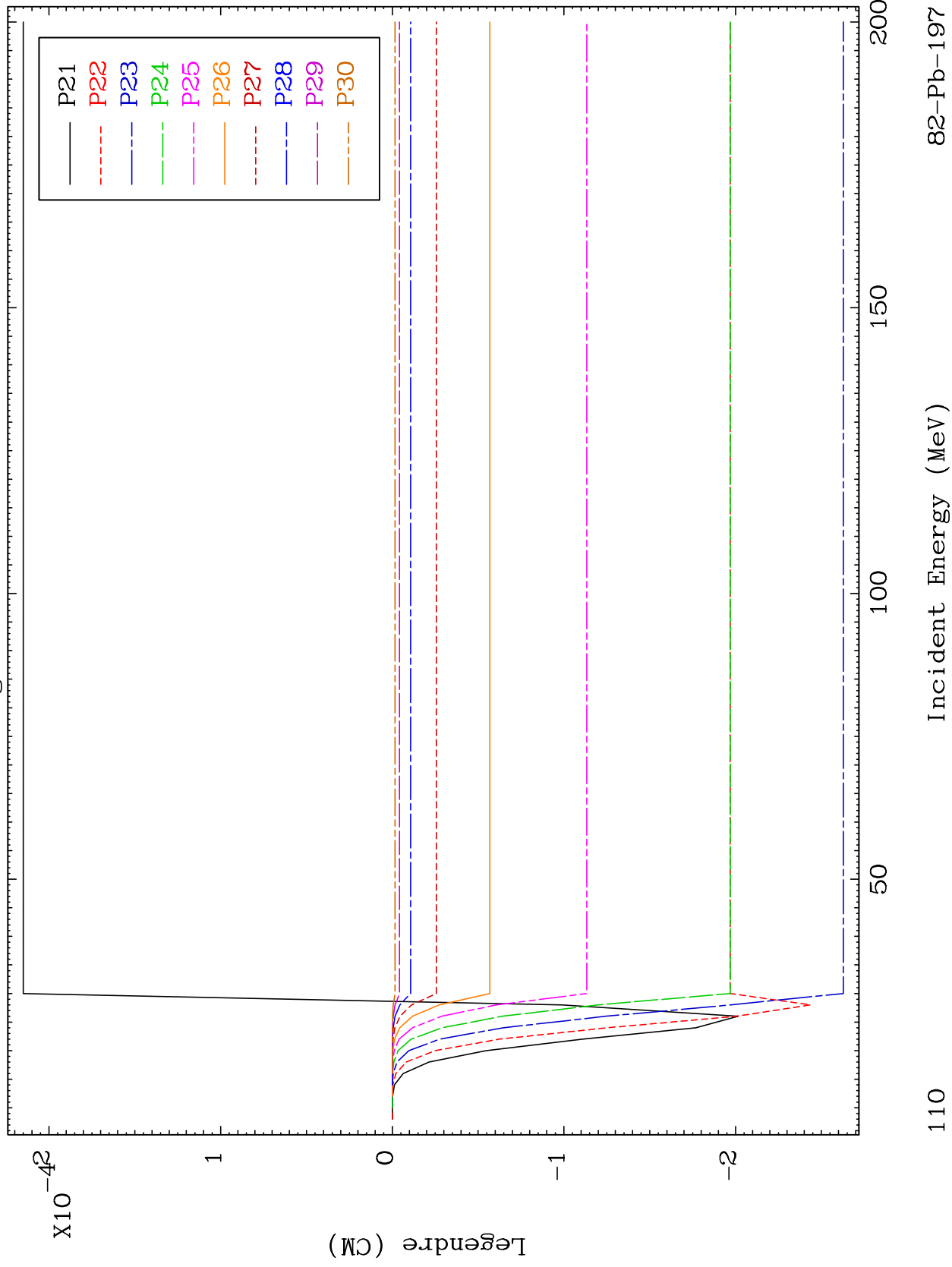
Incident Energy (MeV)

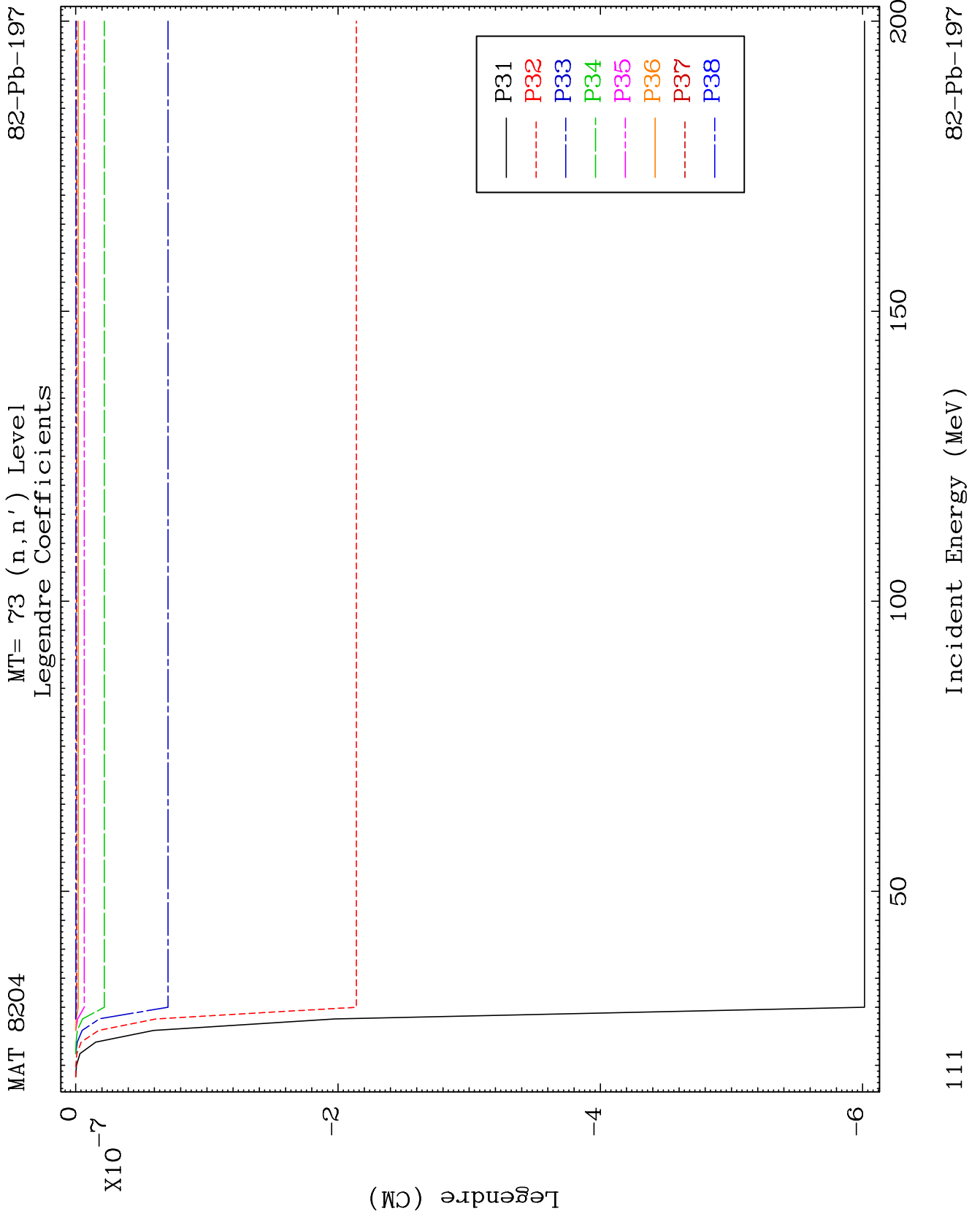
82-Pb-197

MAT 8204

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

82-Pb-197

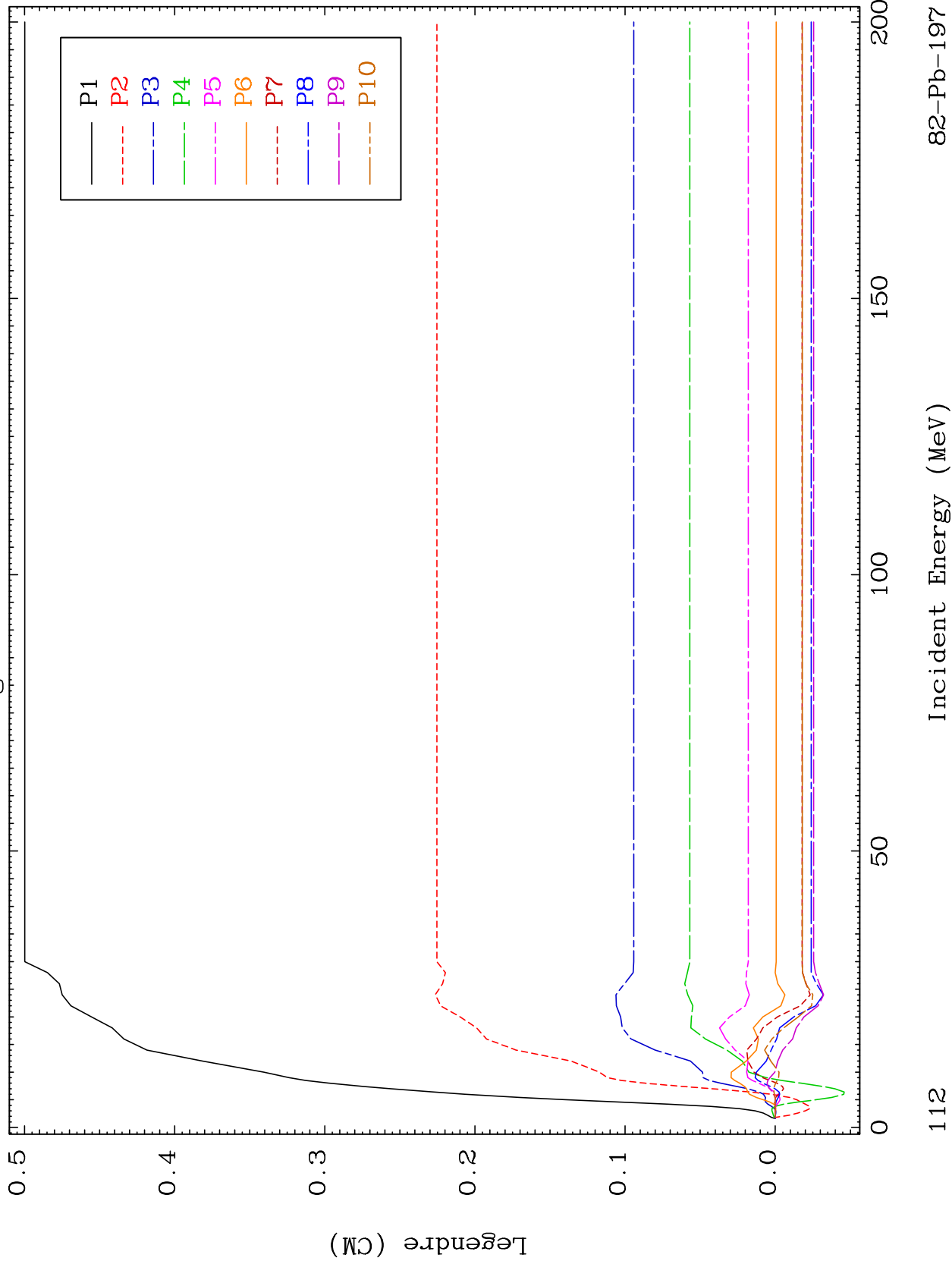




MAT 8204

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

82-Pb-197



82-Pb-197

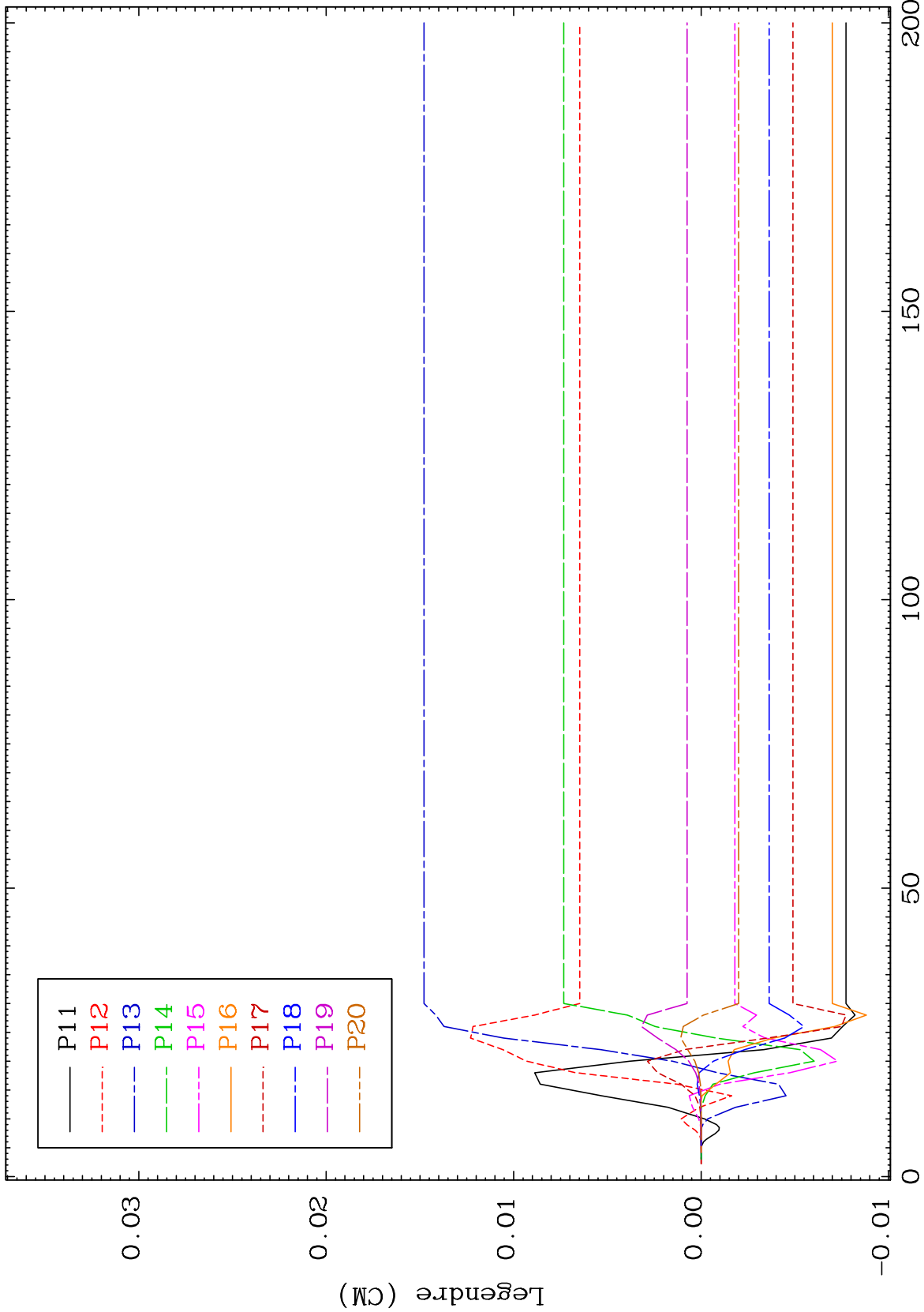
Incident Energy (MeV)

112

MAT 8204

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

82-Pb-197



113

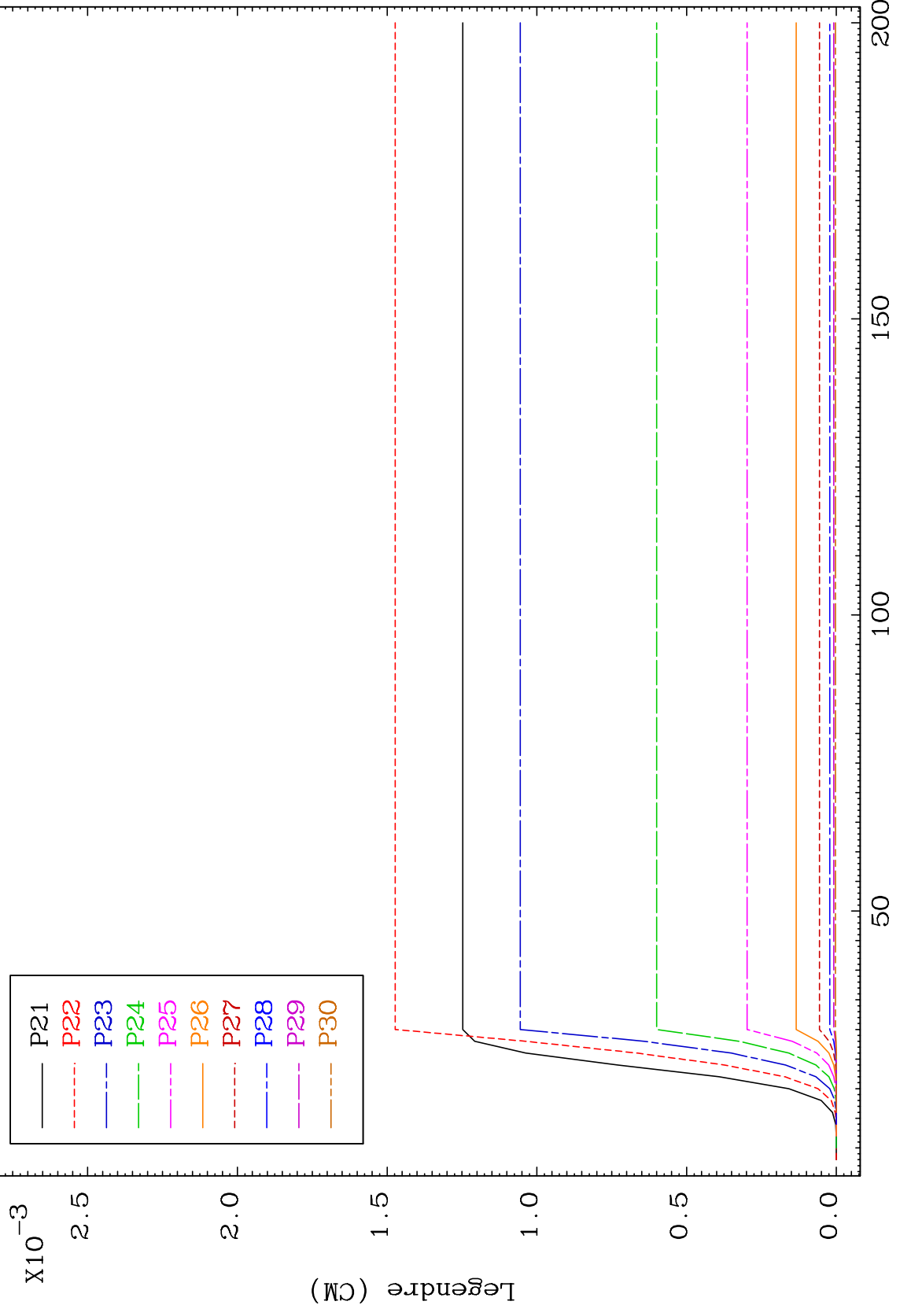
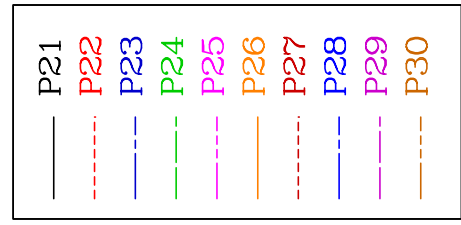
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



114

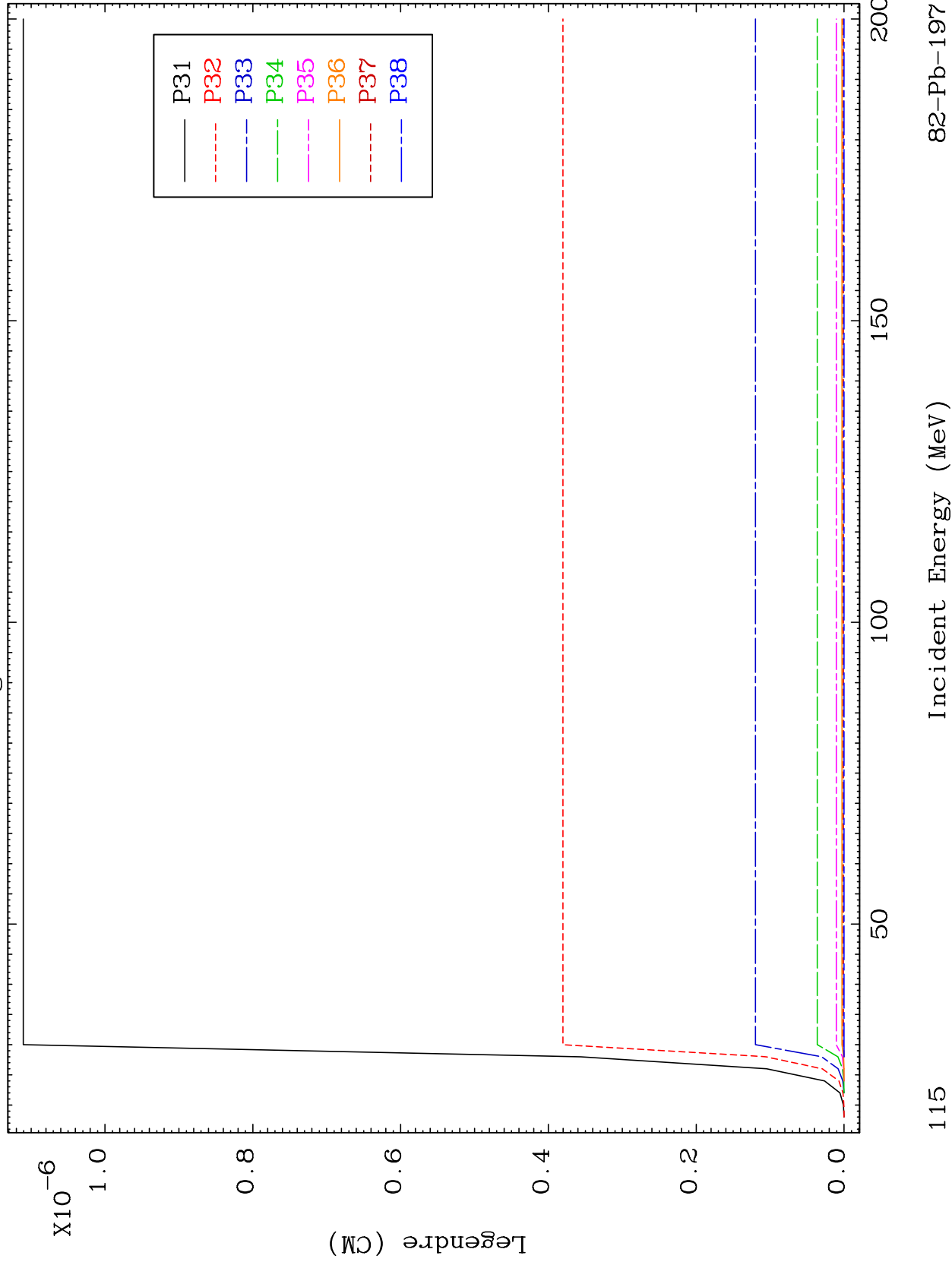
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197

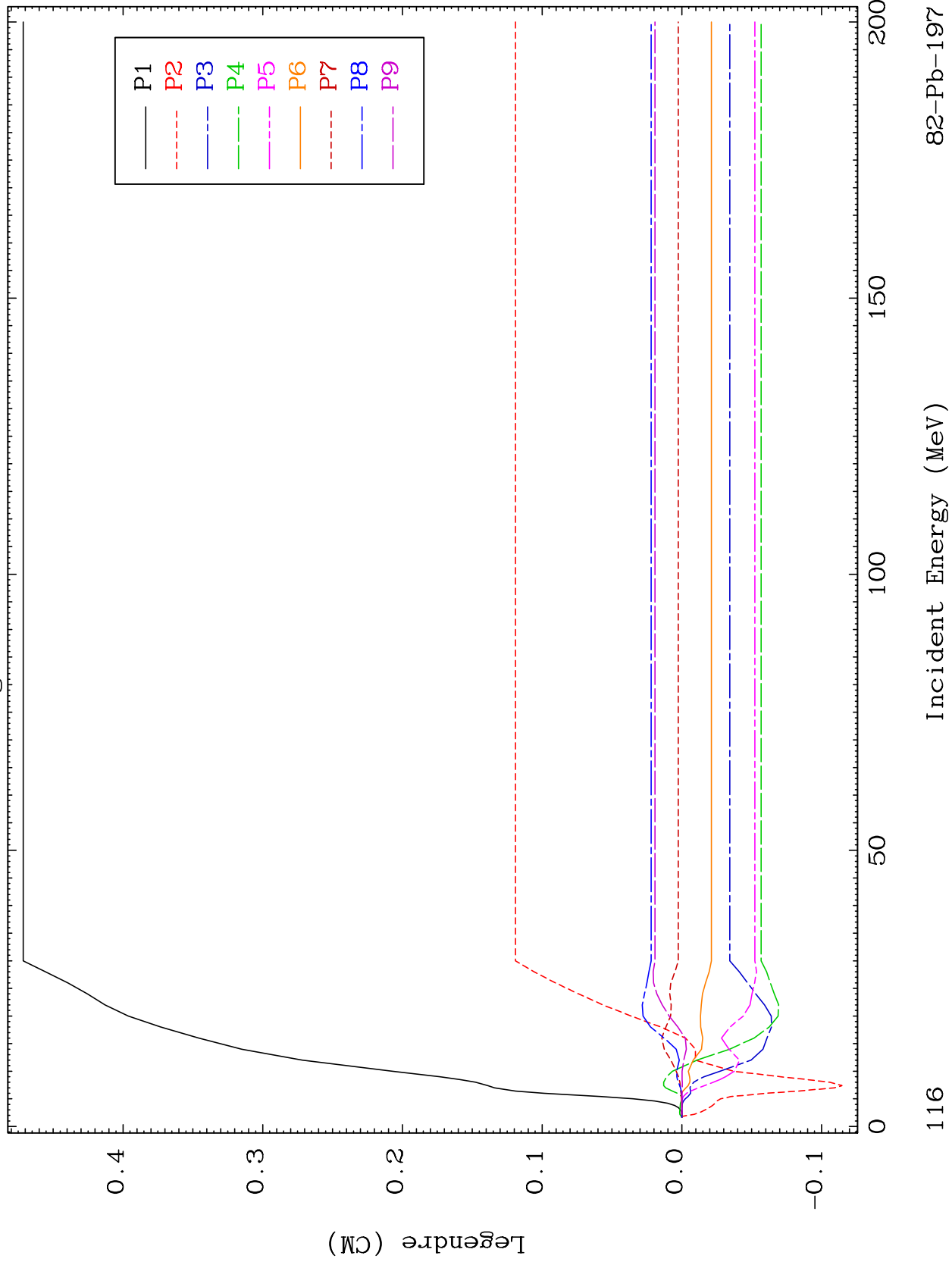


115

MAT 8204

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

82-Pb-197



82-Pb-197

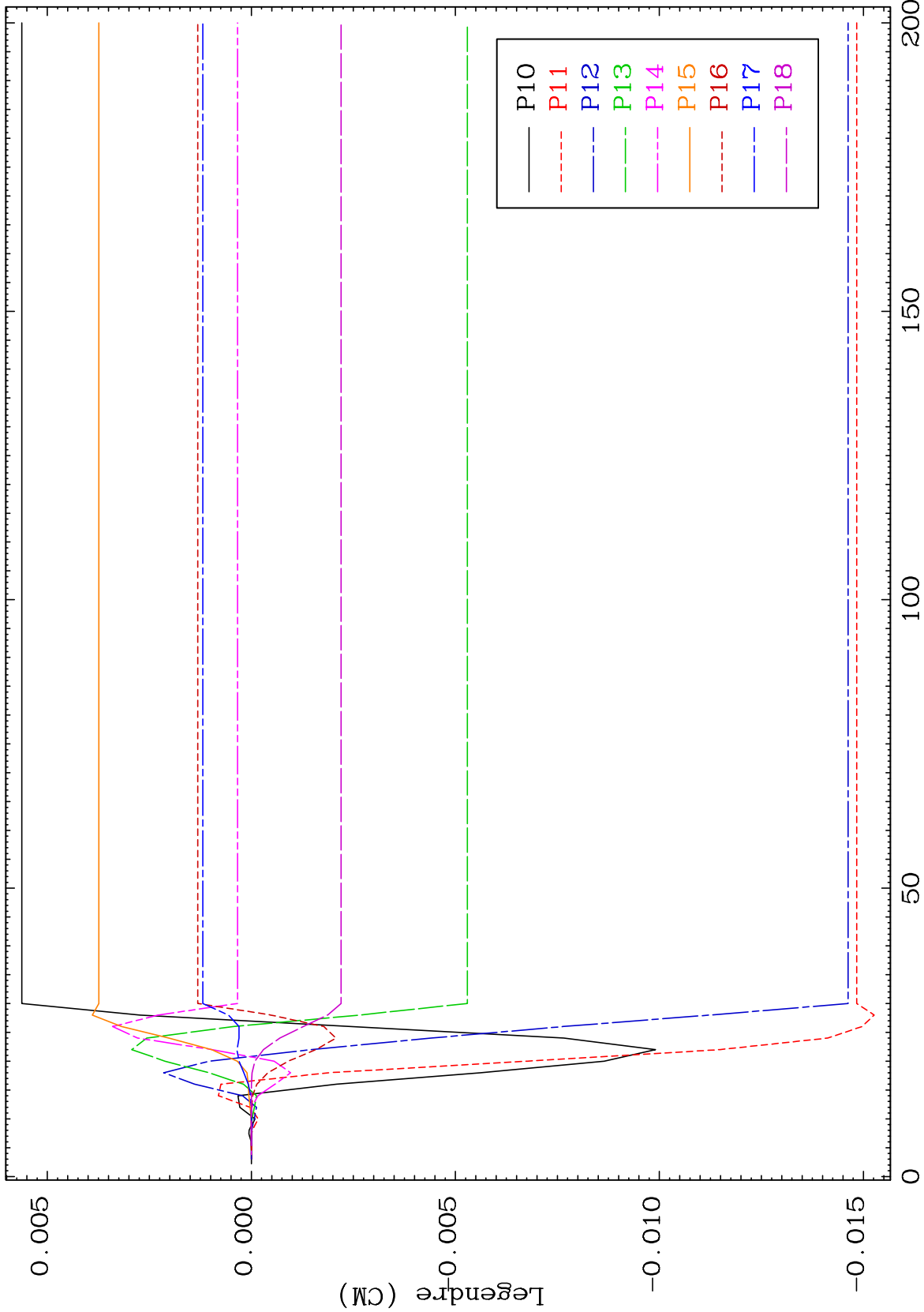
Incident Energy (MeV)

116

MAT 8204

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

82-Pb-197



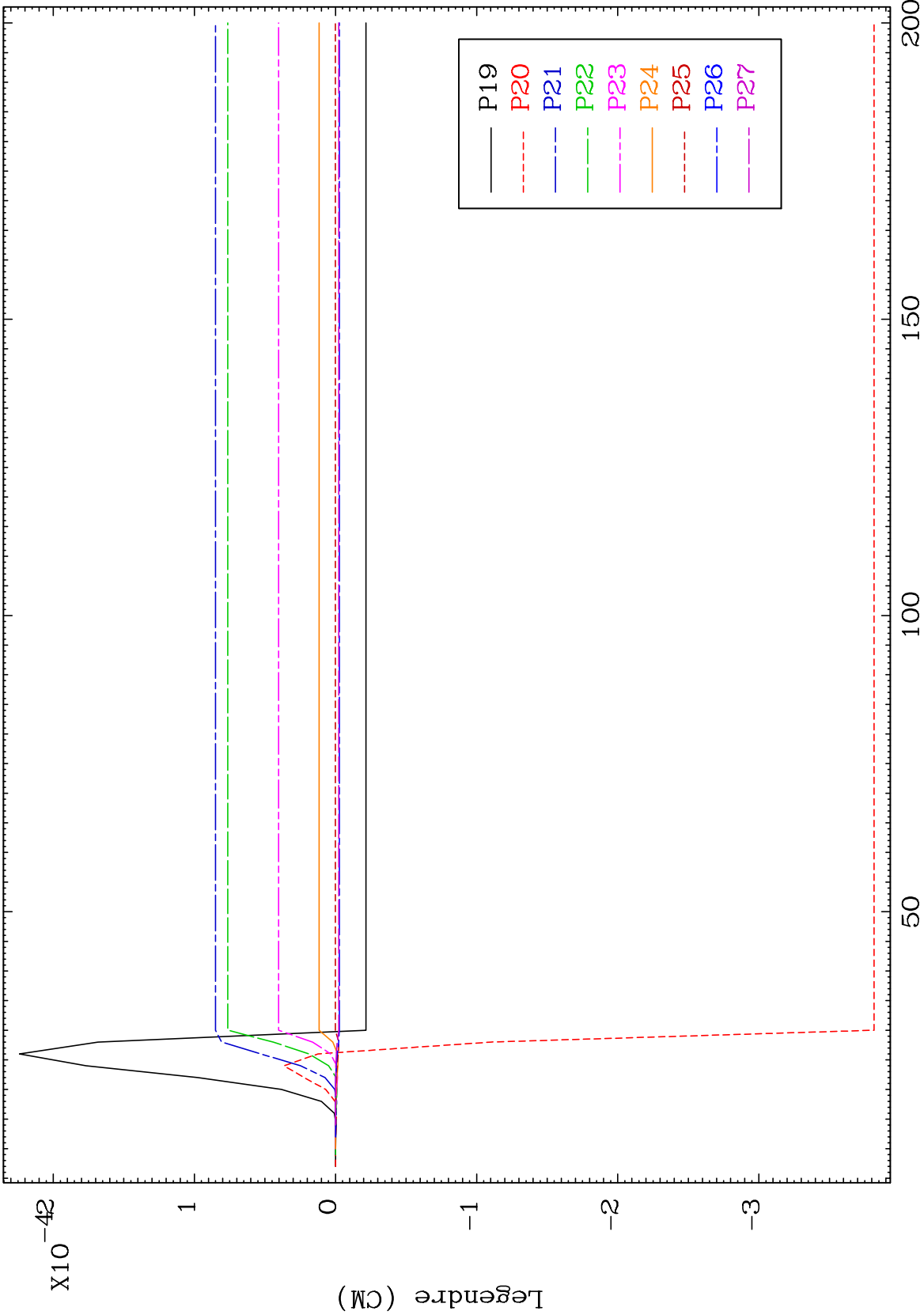
117

82-Pb-197

MAT 8204

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

82-Pb-197



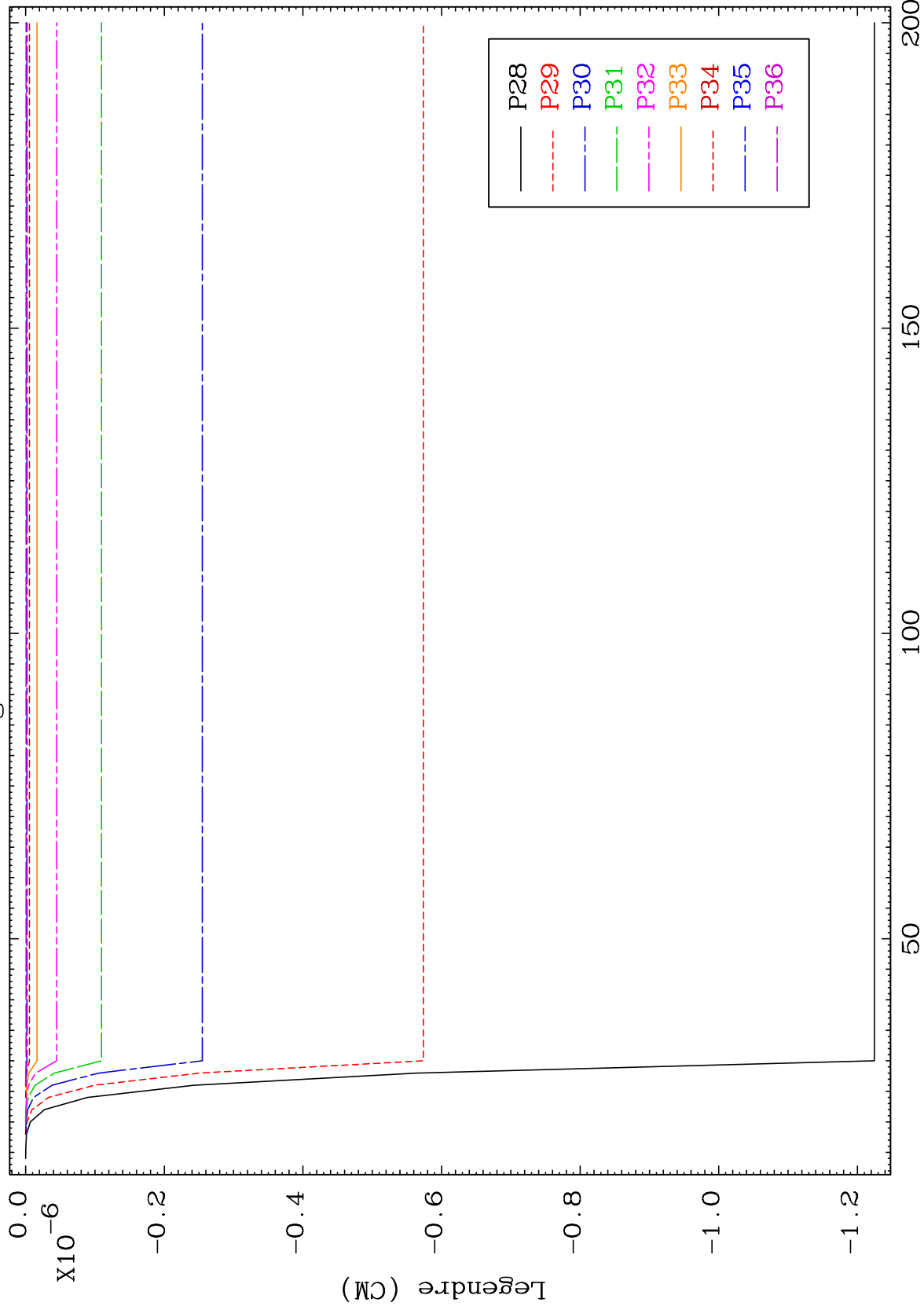
118

82-Pb-197

MAT 8204

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

82-Pb-197



119

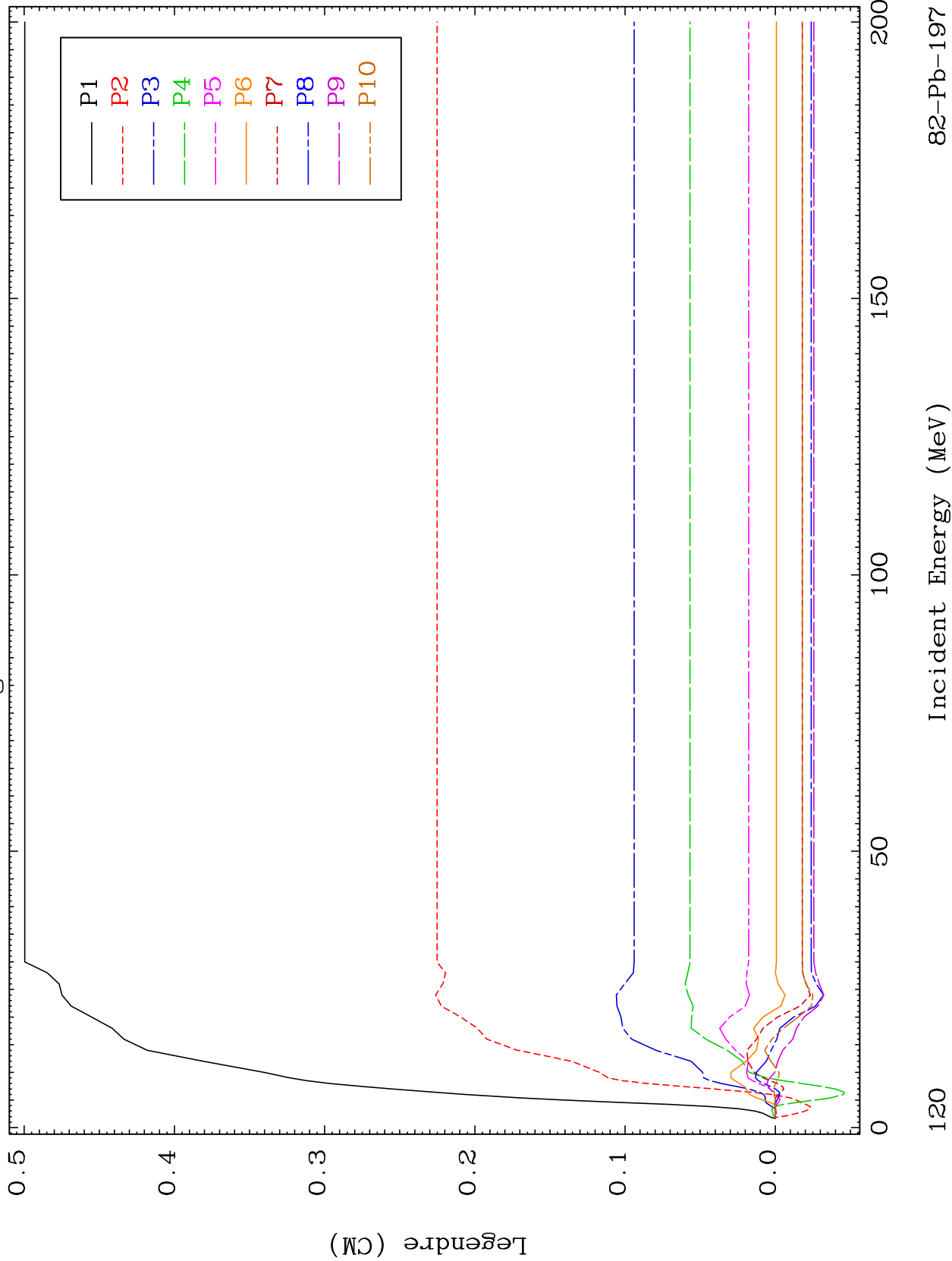
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



82-Pb-197

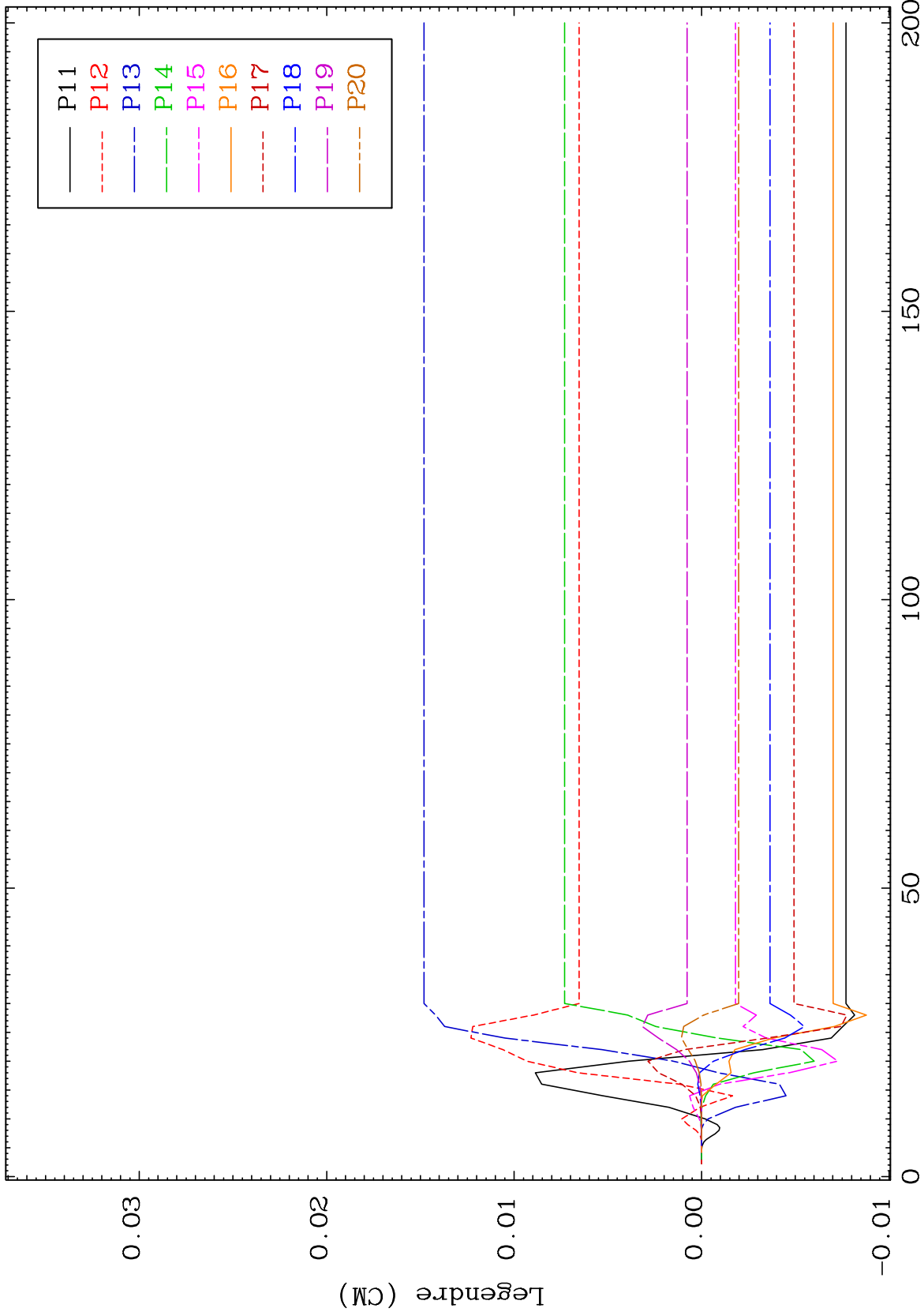
Incident Energy (MeV)

120

MAT 8204

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

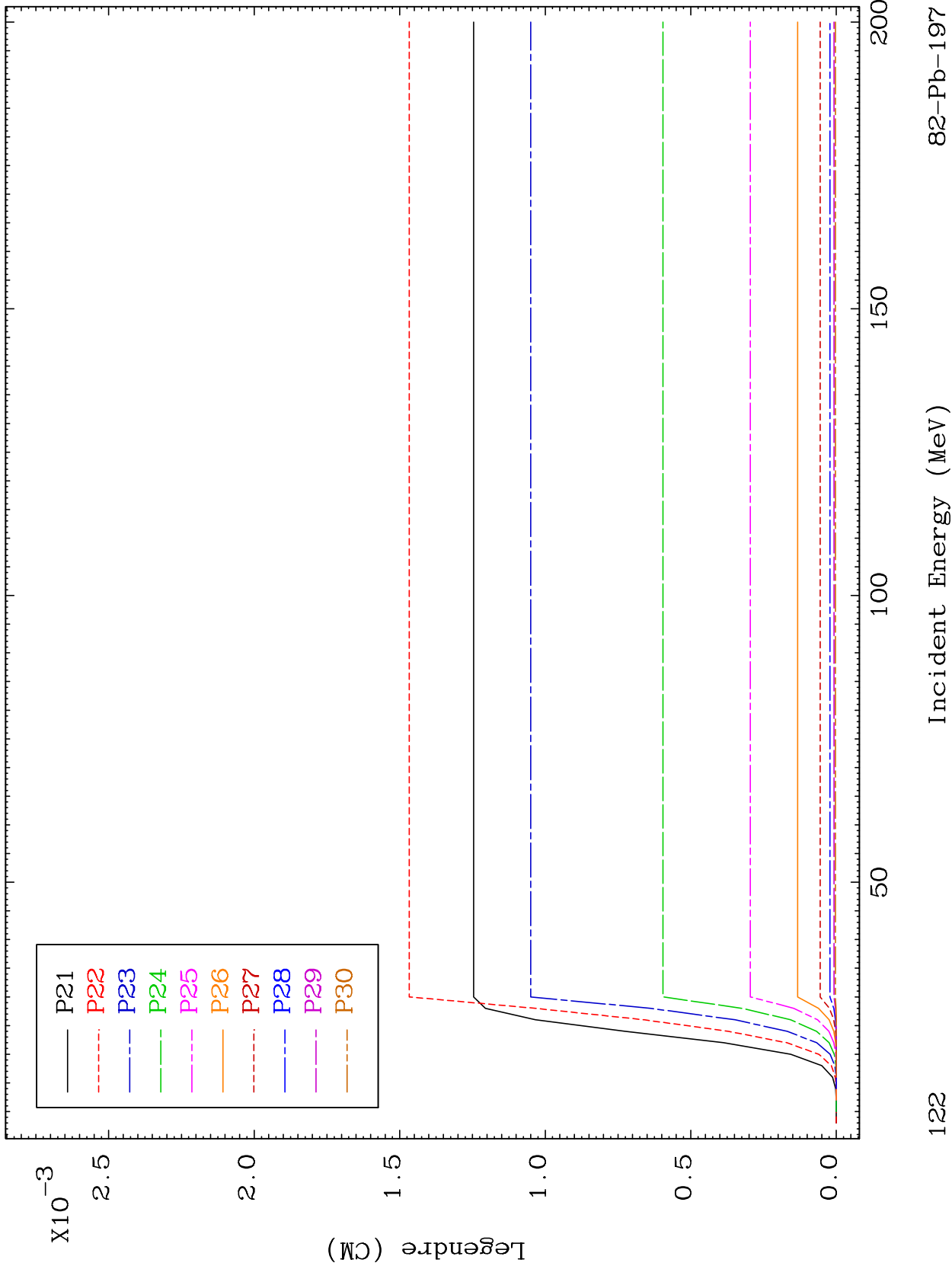
82-Pb-197



121

Incident Energy (MeV)

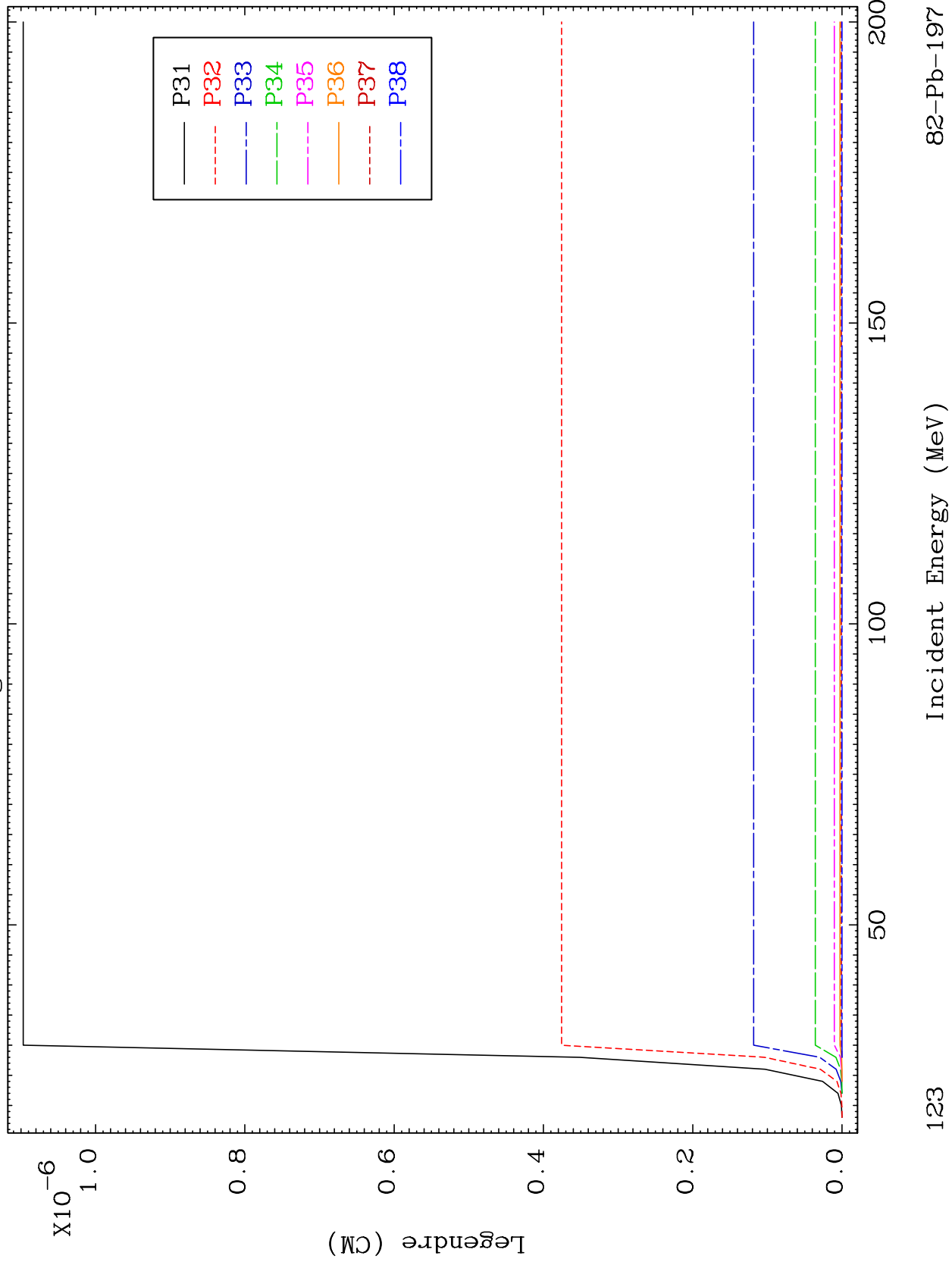
82-Pb-197



MAT 8204

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

82-Pb-197

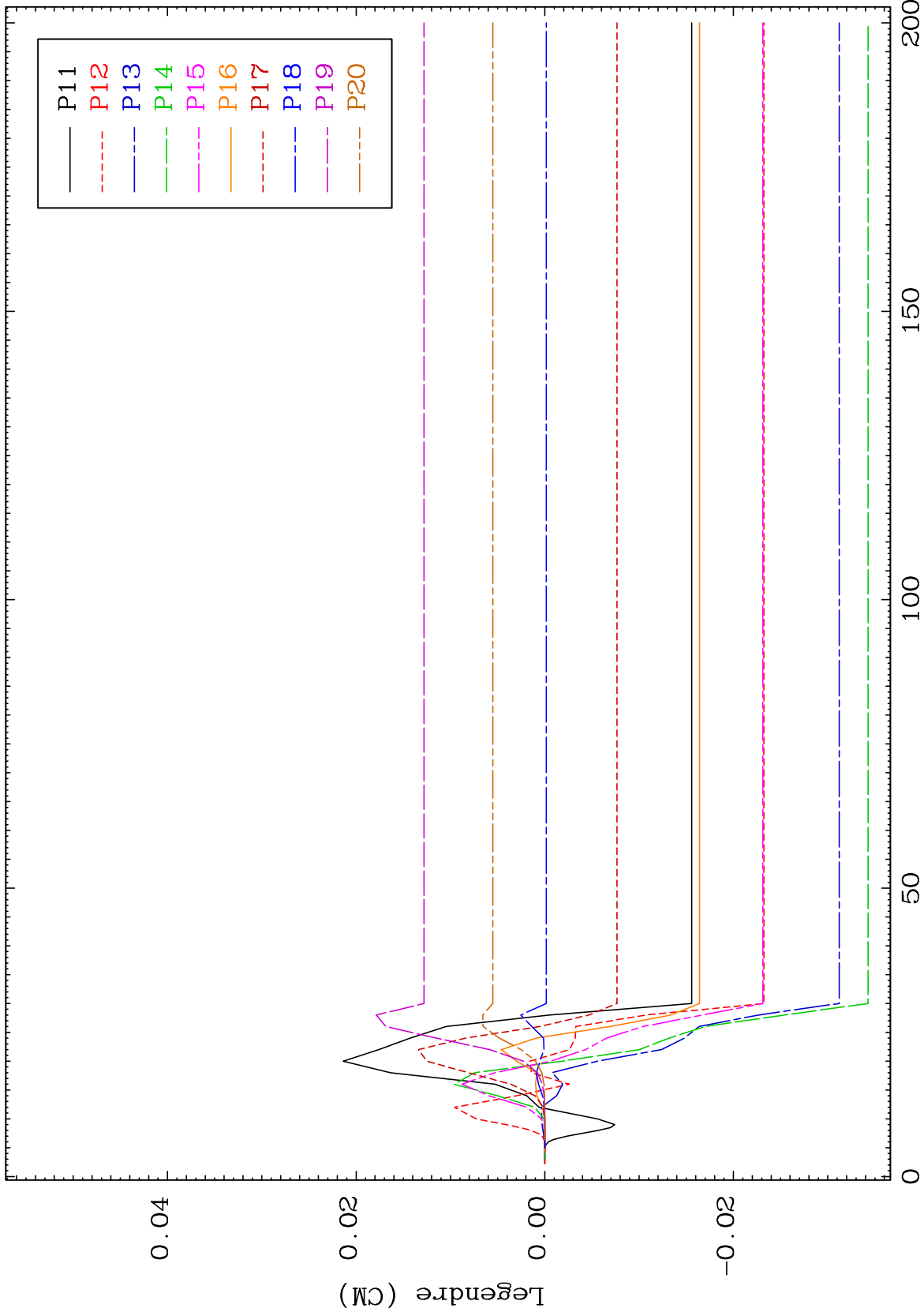


123

MAT 8204

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

82-Pb-197



82-Pb-197

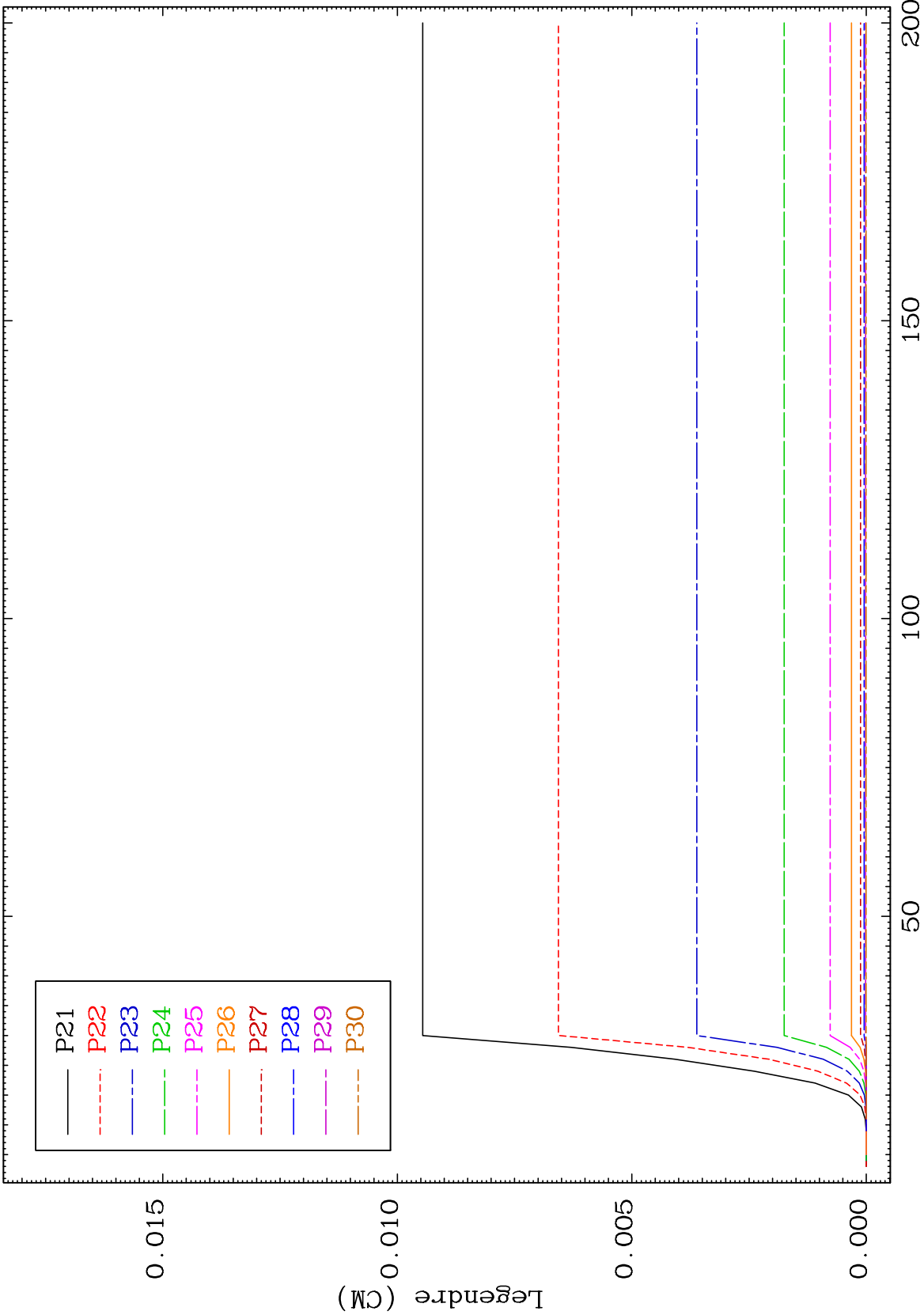
Incident Energy (MeV)

125

MAT 8204

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

82-Pb-197



126

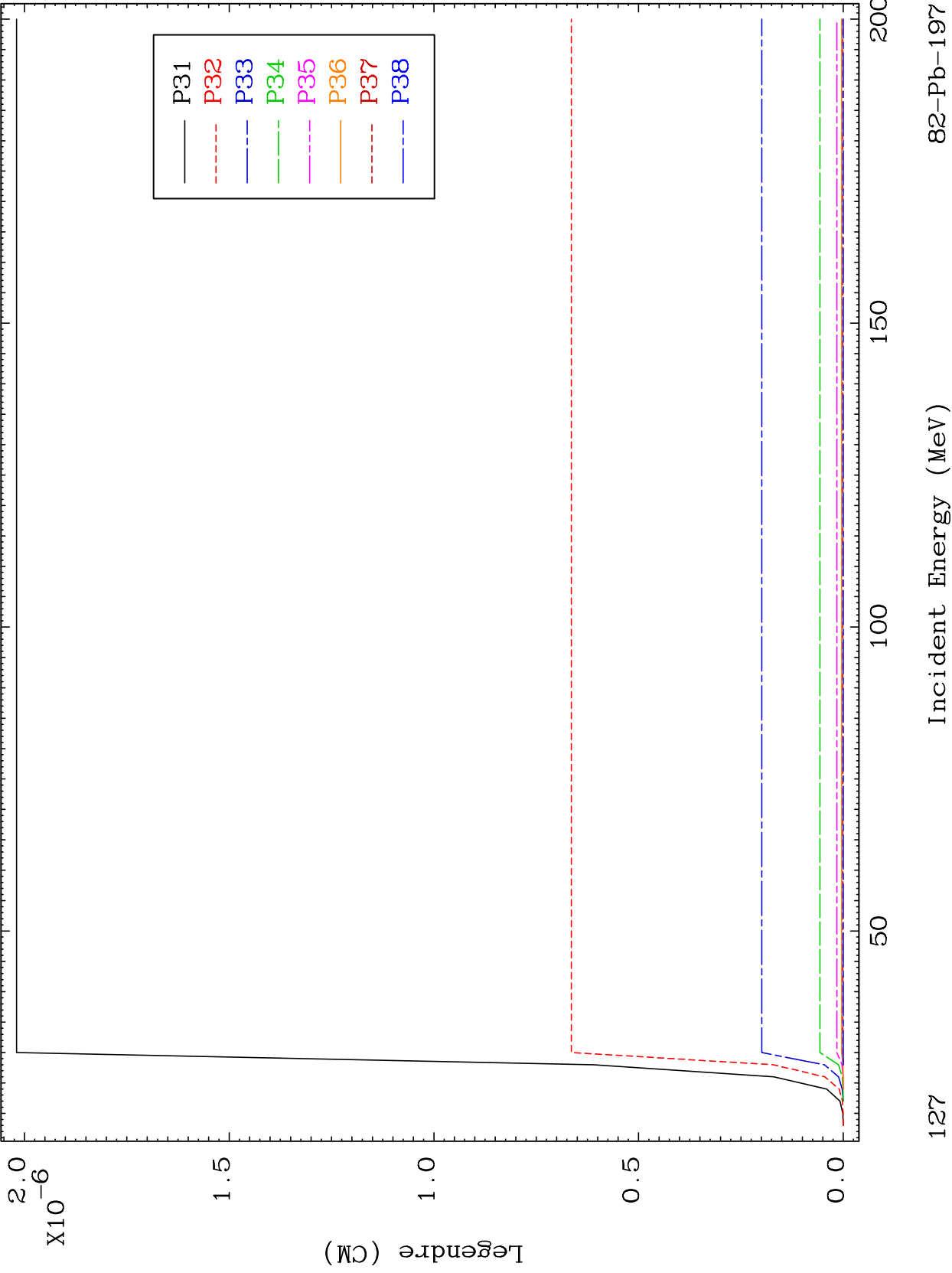
Incident Energy (MeV)

82-Pb-197

MAT 8204

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

82-Pb-197



127

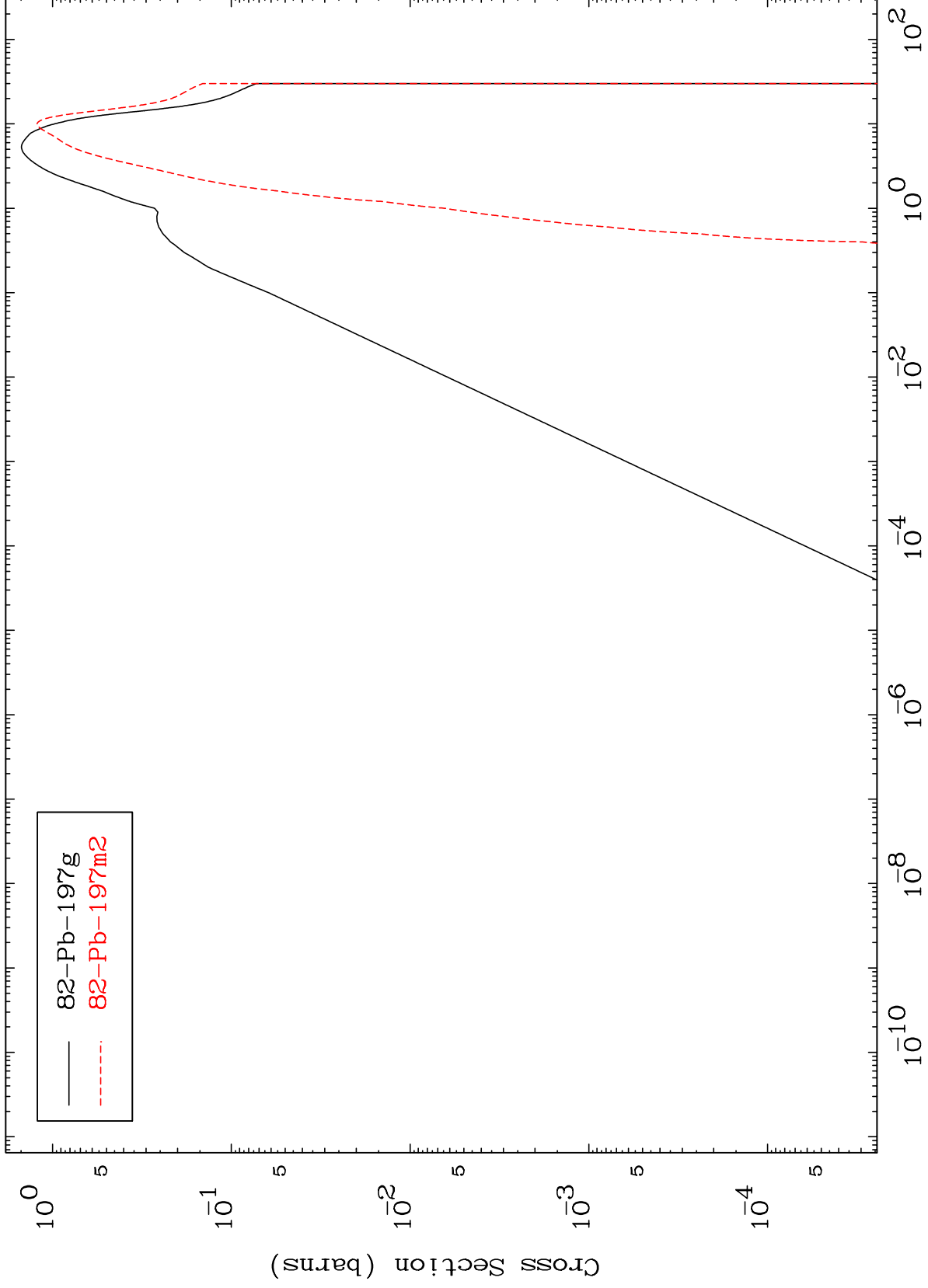
Incident Energy (MeV)

82-Pb-197

MAT 8204

Inelastic
Radionuclide Production Cross Section

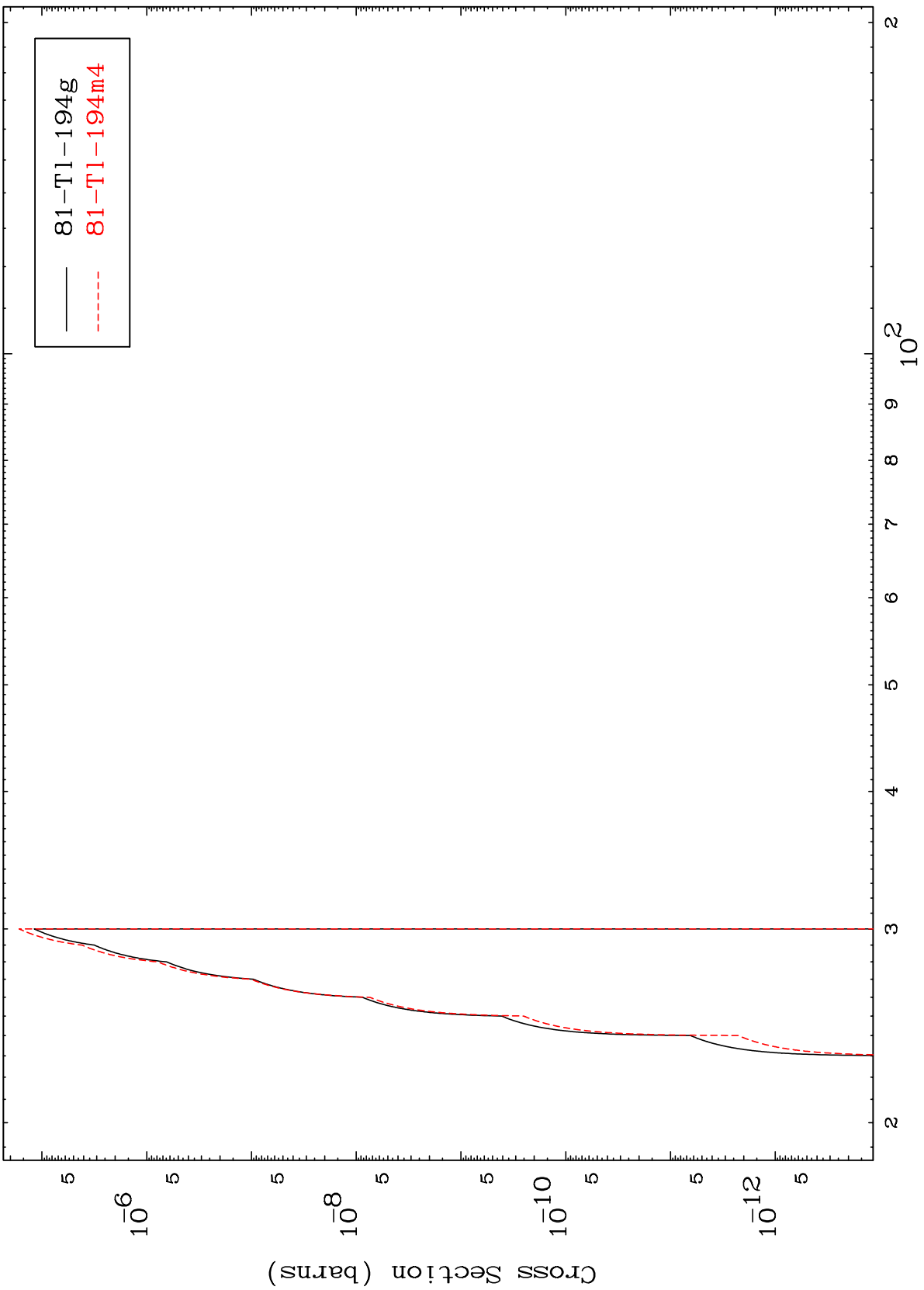
82-Pb-197



82-Pb-197g
82-Pb-197m2

82-Pb-197

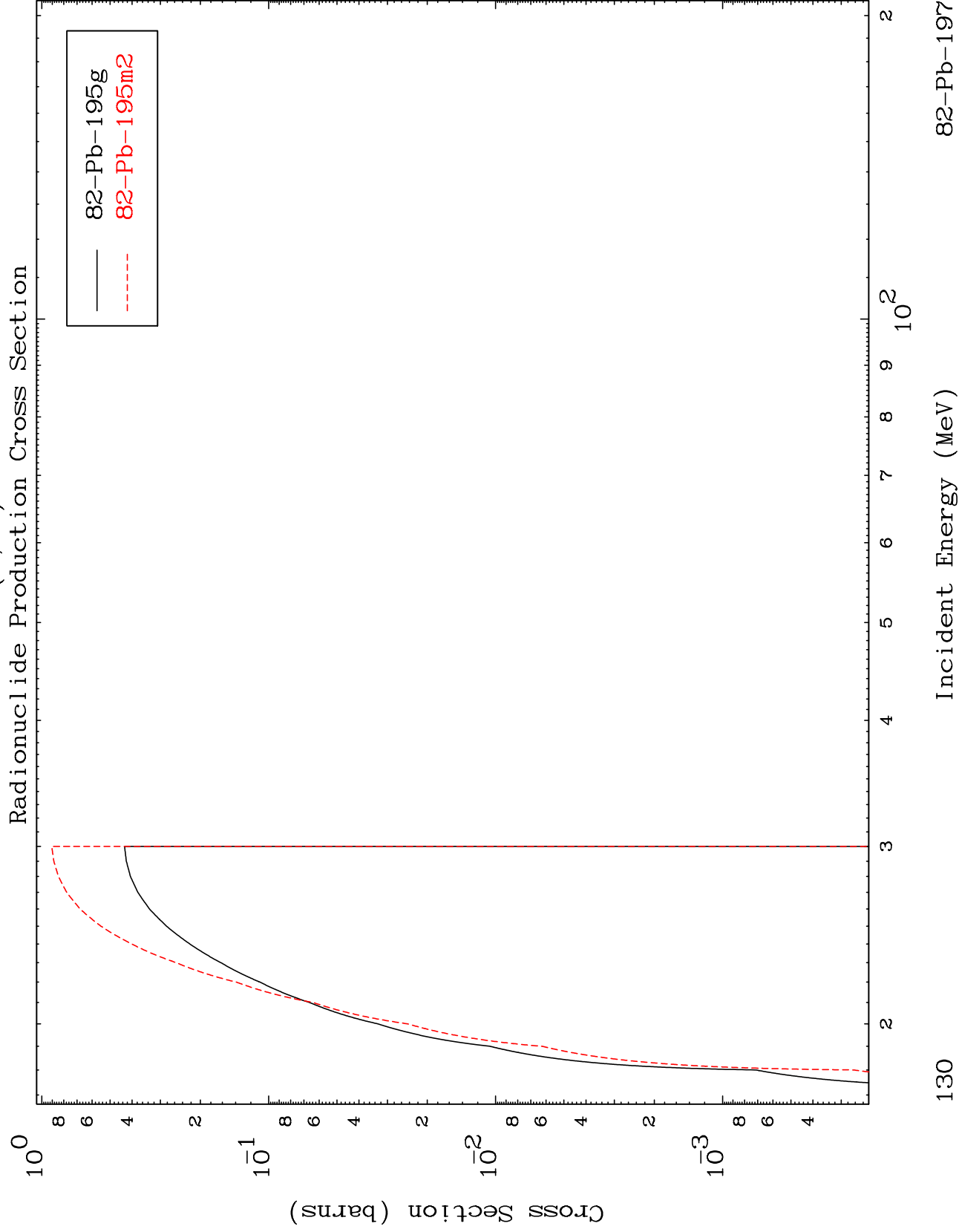
Radionuclide Production Cross Section



MAT 8204

(n,3n)

82-Pb-197



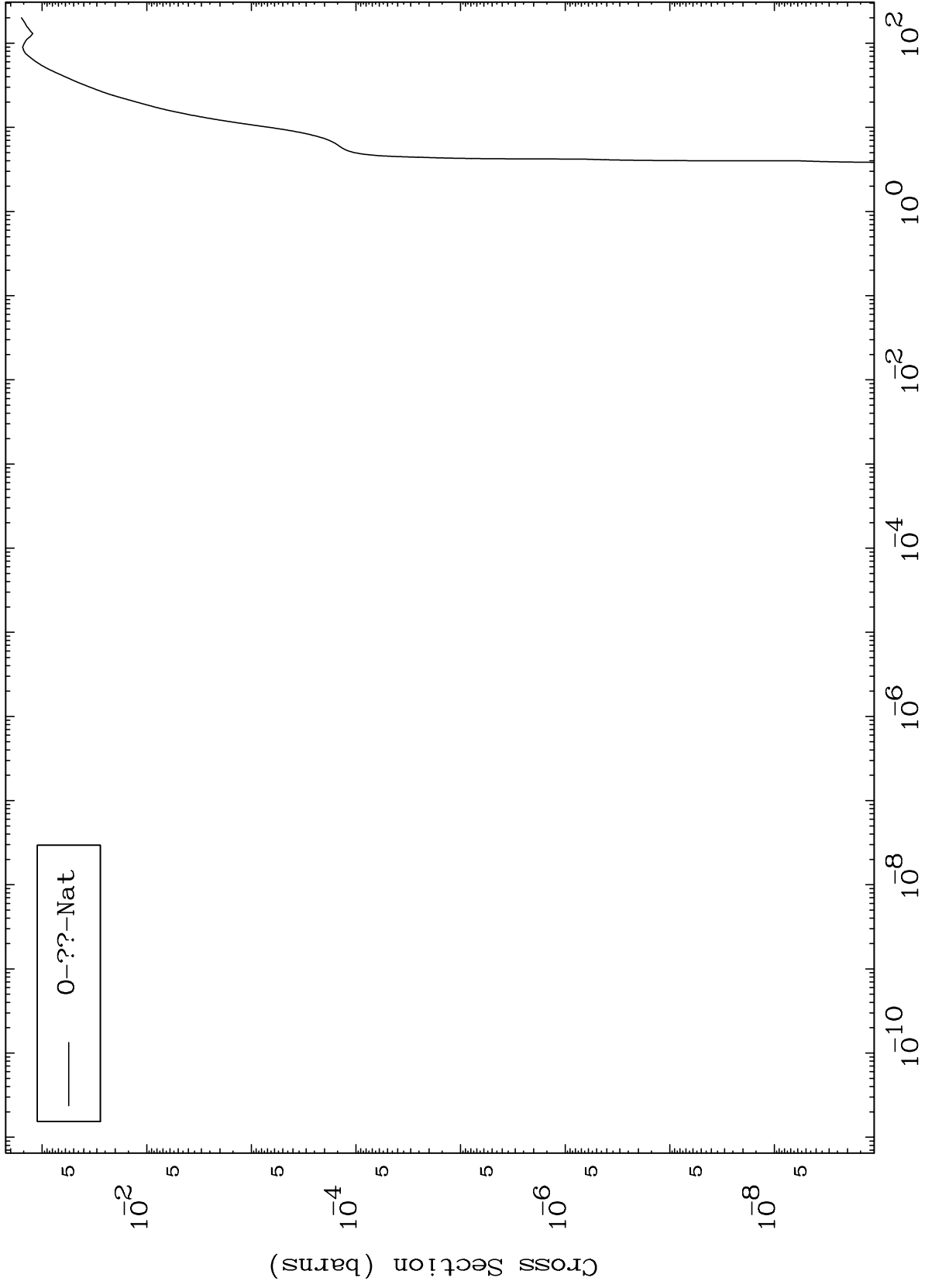
130

82-Pb-197

MAT 8204

Fission
Radionuclide Production Cross Section

82-Pb-197



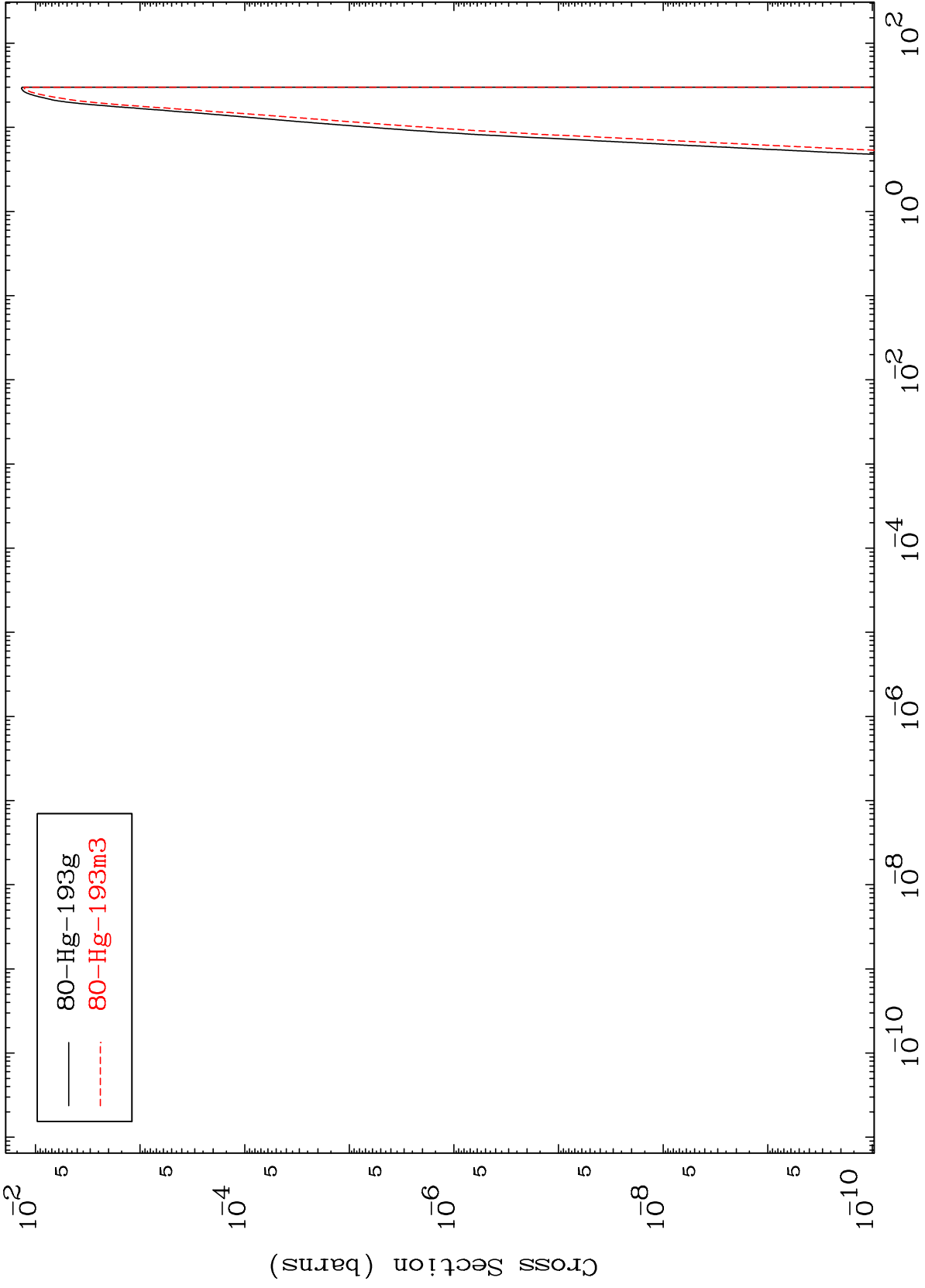
82-Pb-197

MAT 8204

$(n, n') \alpha$

82-Pb-197

Radionuclide Production Cross Section



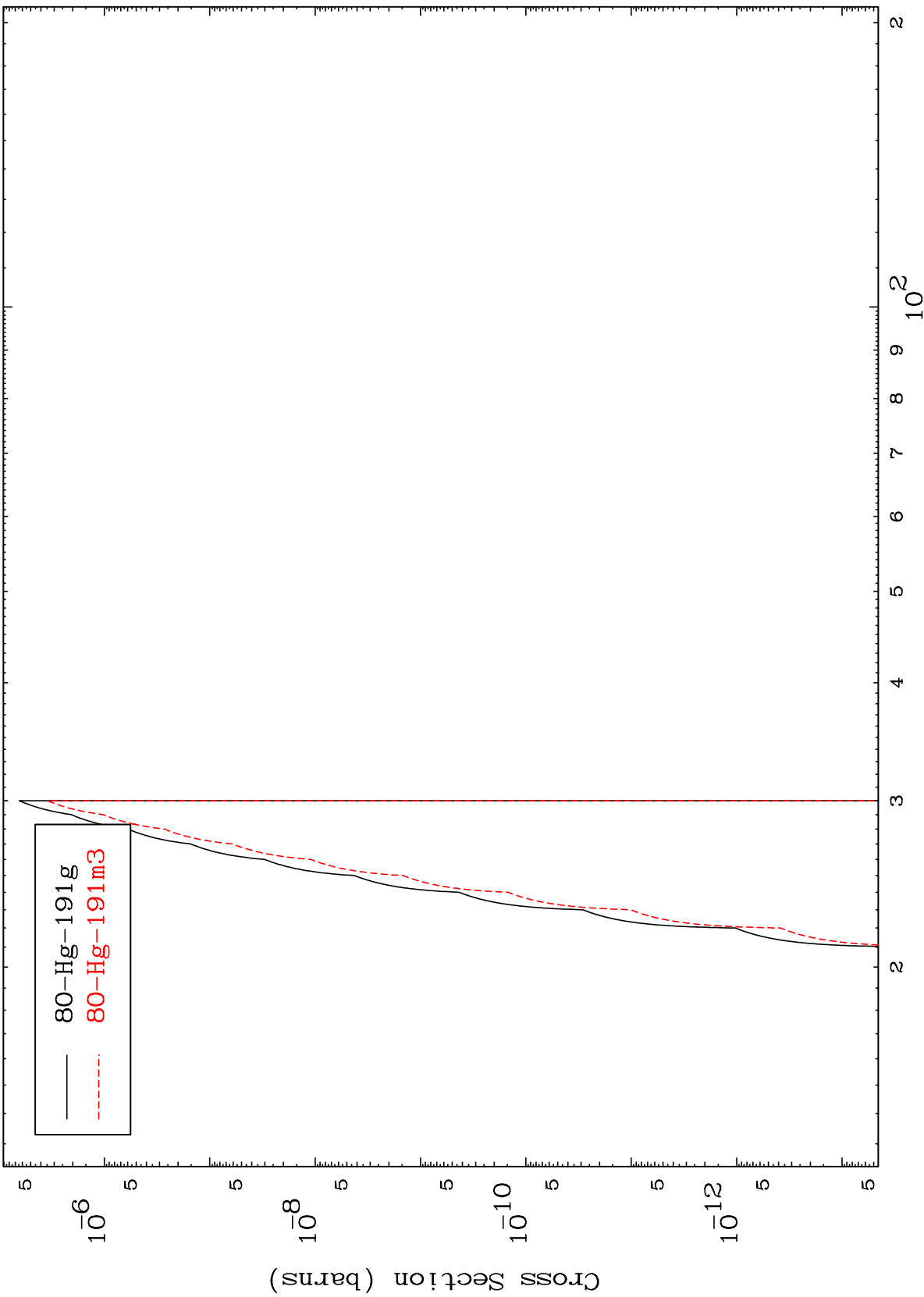
80-Hg-193g
80-Hg-193m3

MAT 8204

(n,3n) α

82-Pb-197

Radionuclide Production Cross Section

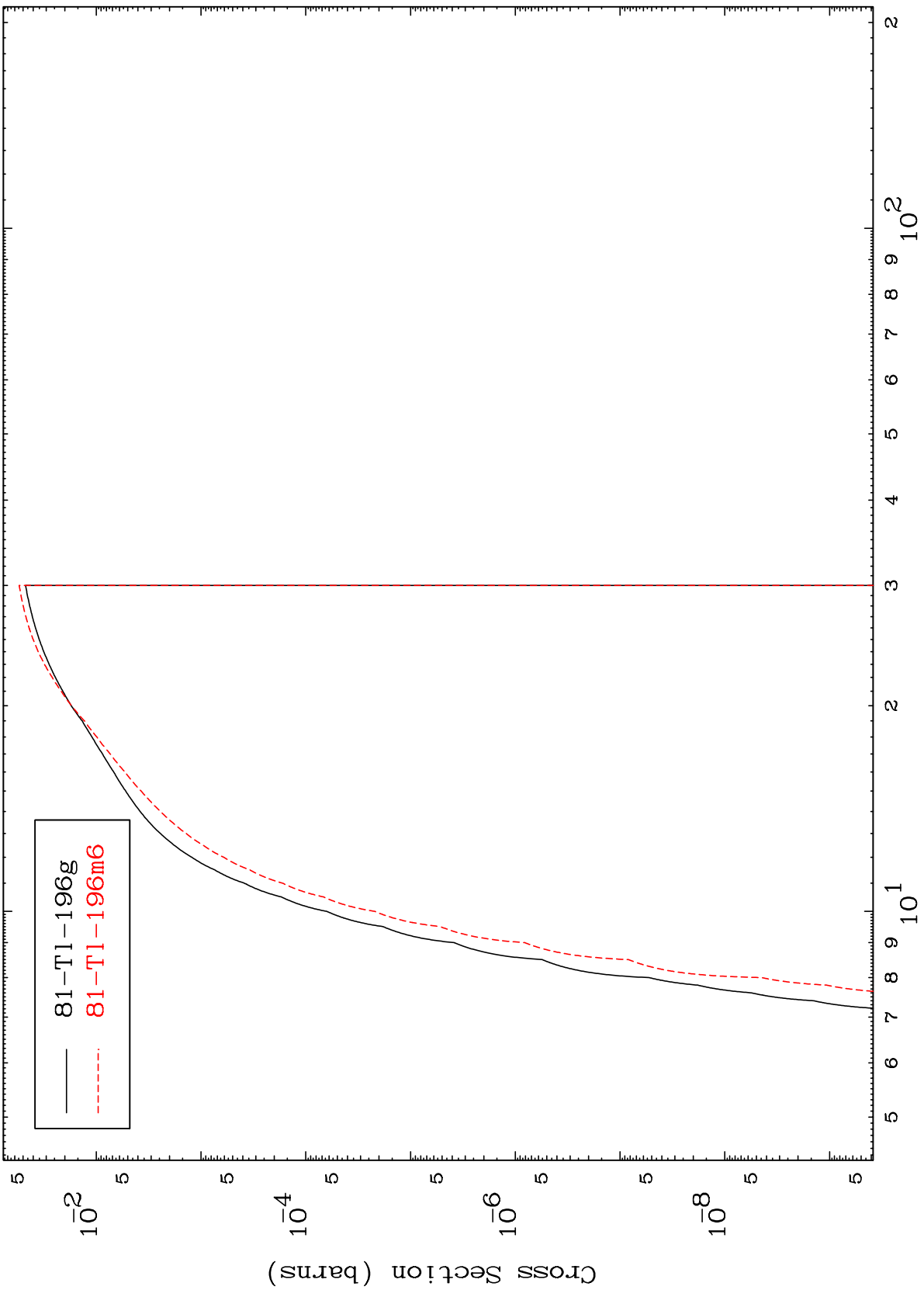


MAT 8204

(n,n') p

82-Pb-197

Radionuclide Production Cross Section



81-Tl-196g
81-Tl-196m6

134

Incident Energy (MeV)

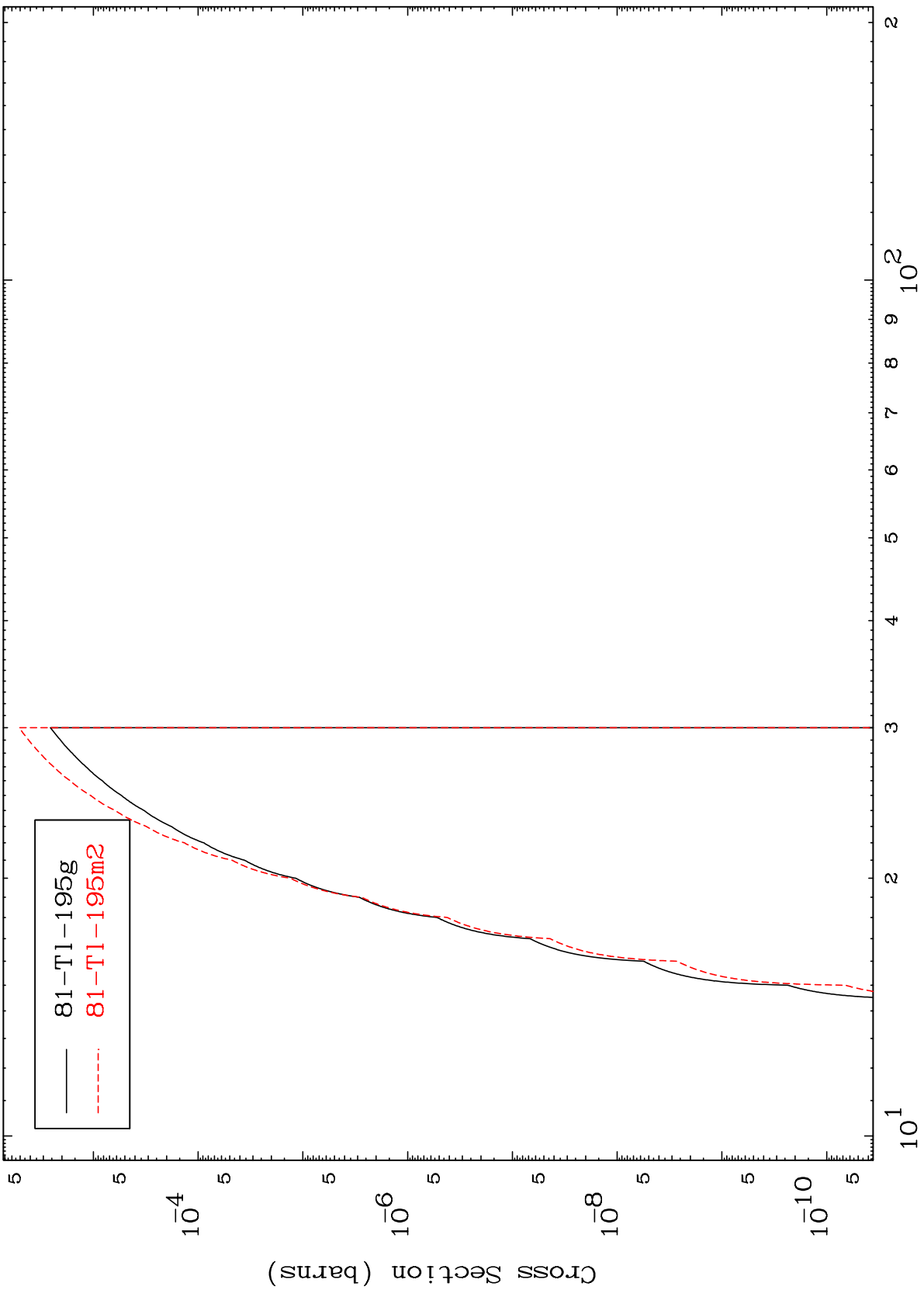
82-Pb-197

MAT 8204

(n,n') d

82-Pb-197

Radionuclide Production Cross Section

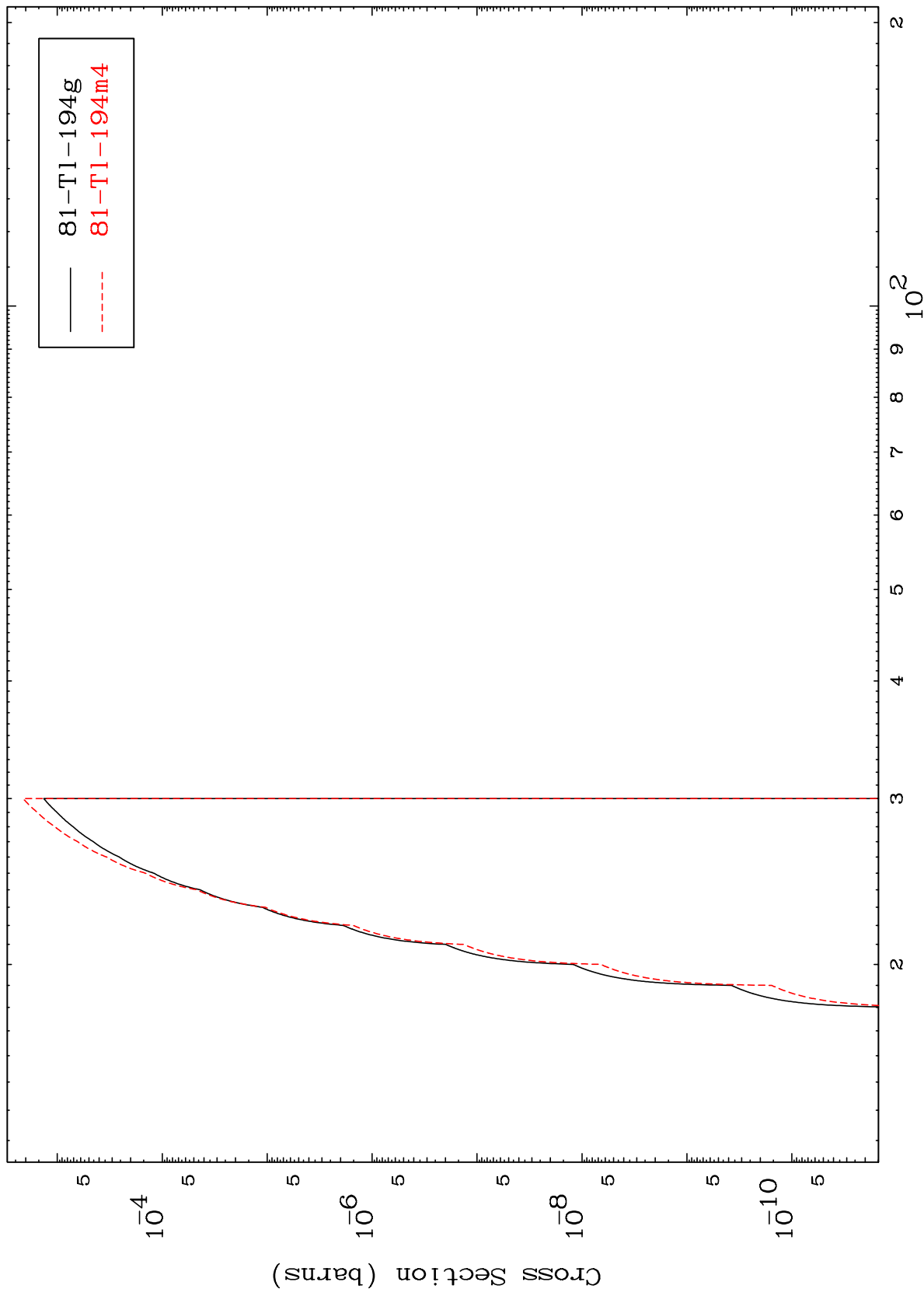


Incident Energy (MeV)

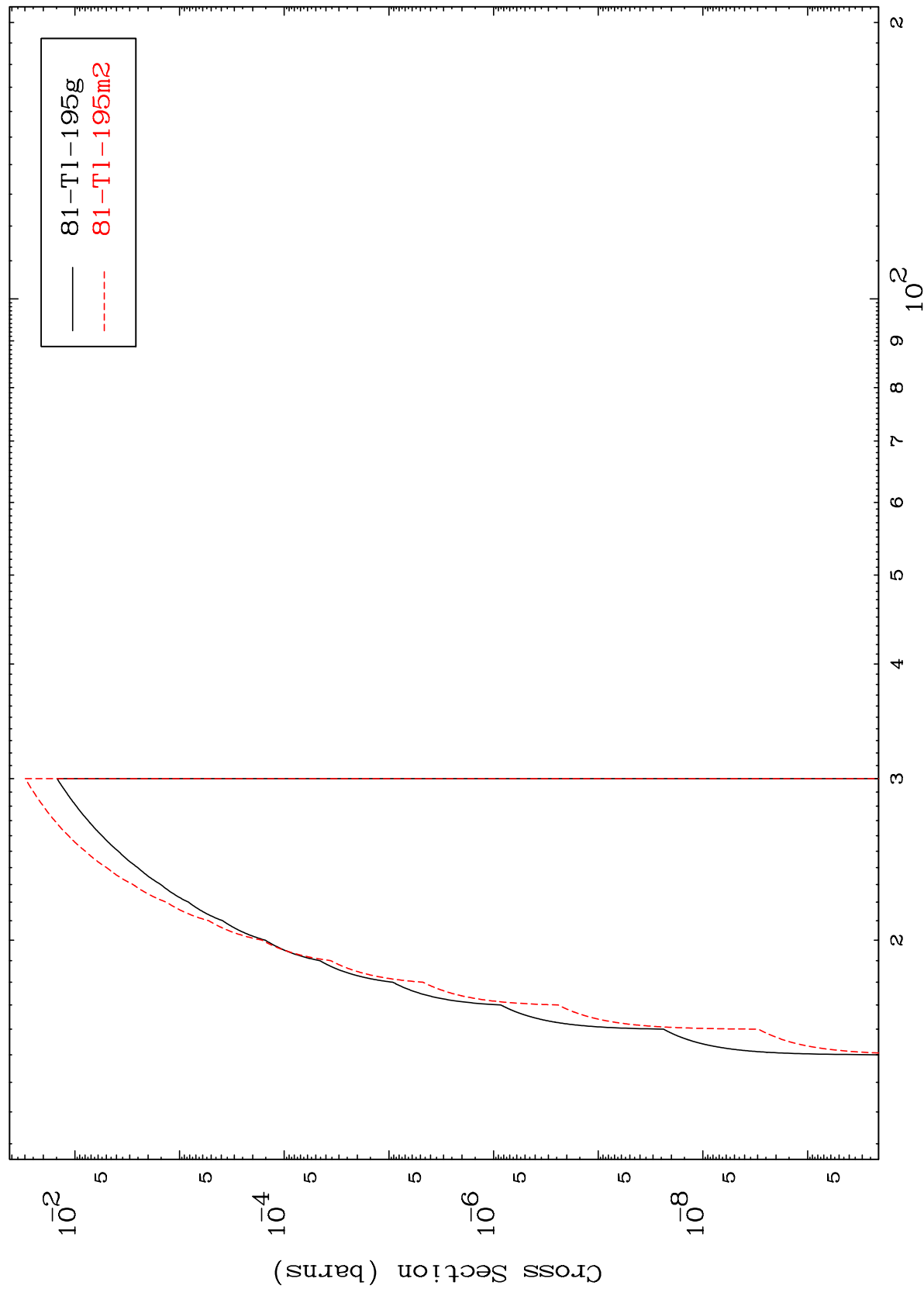
82-Pb-197

135

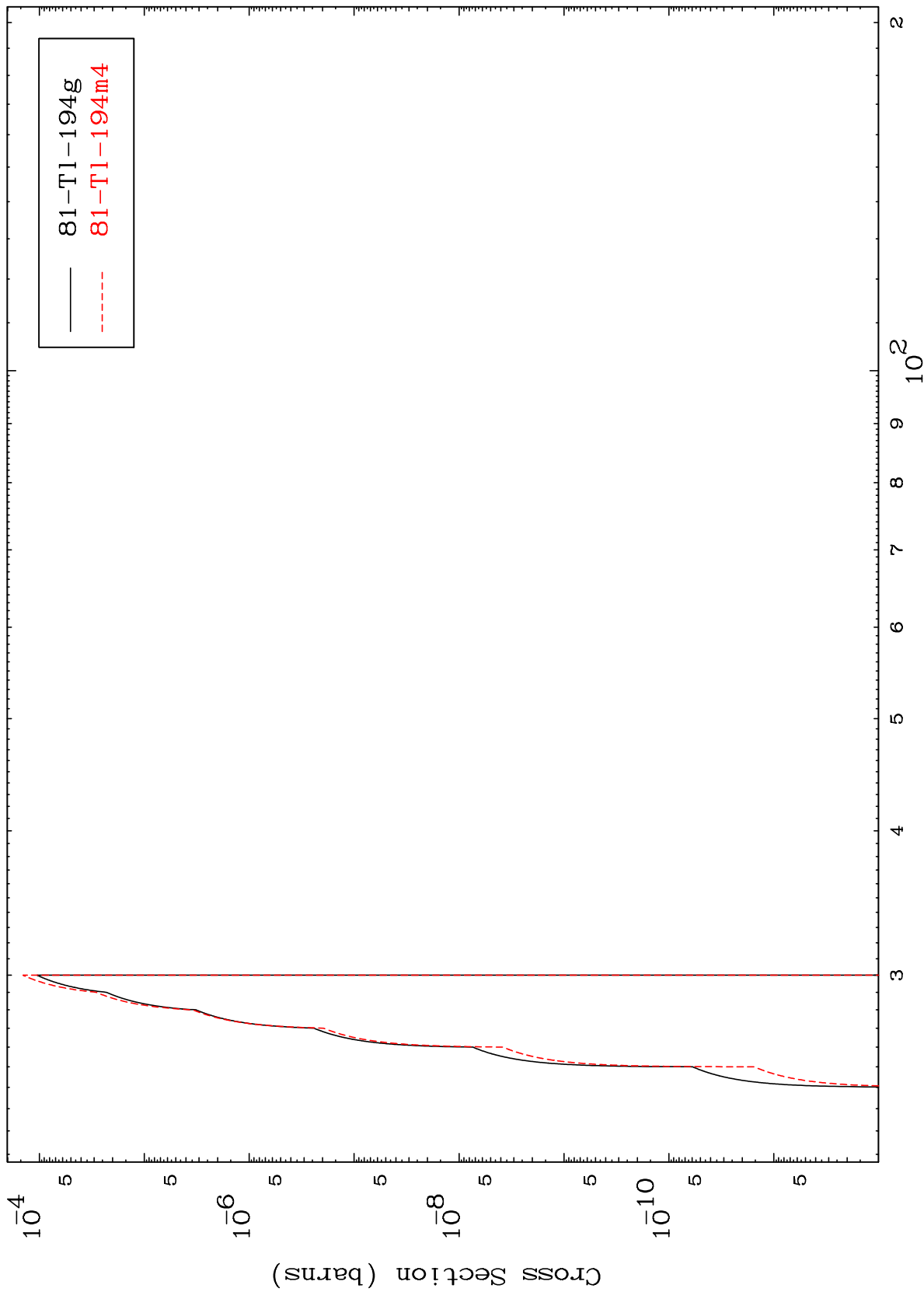
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

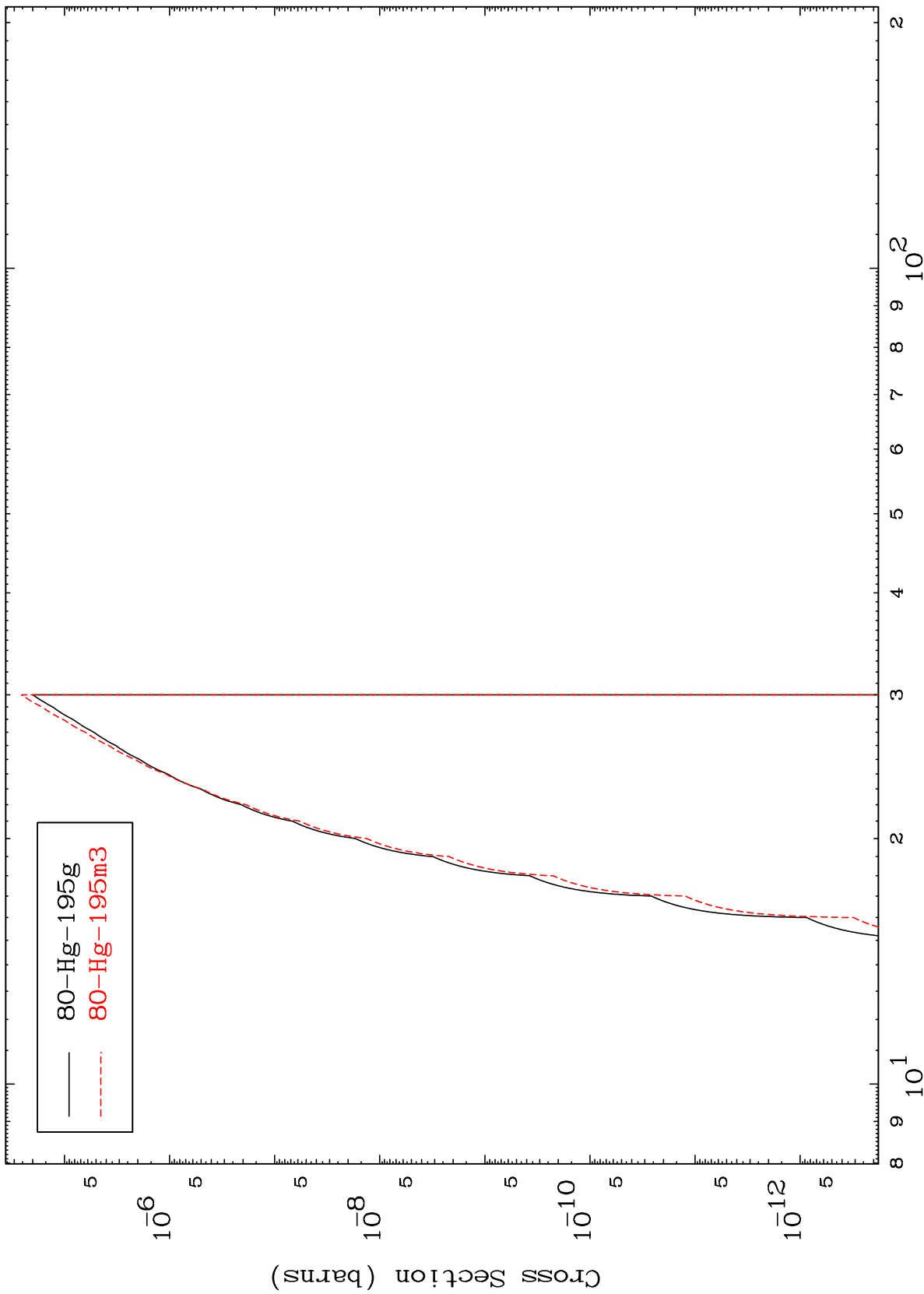


MAT 8204

(n,2n) p

82-Pb-197

Radionuclide Production Cross Section



139

Incident Energy (MeV)

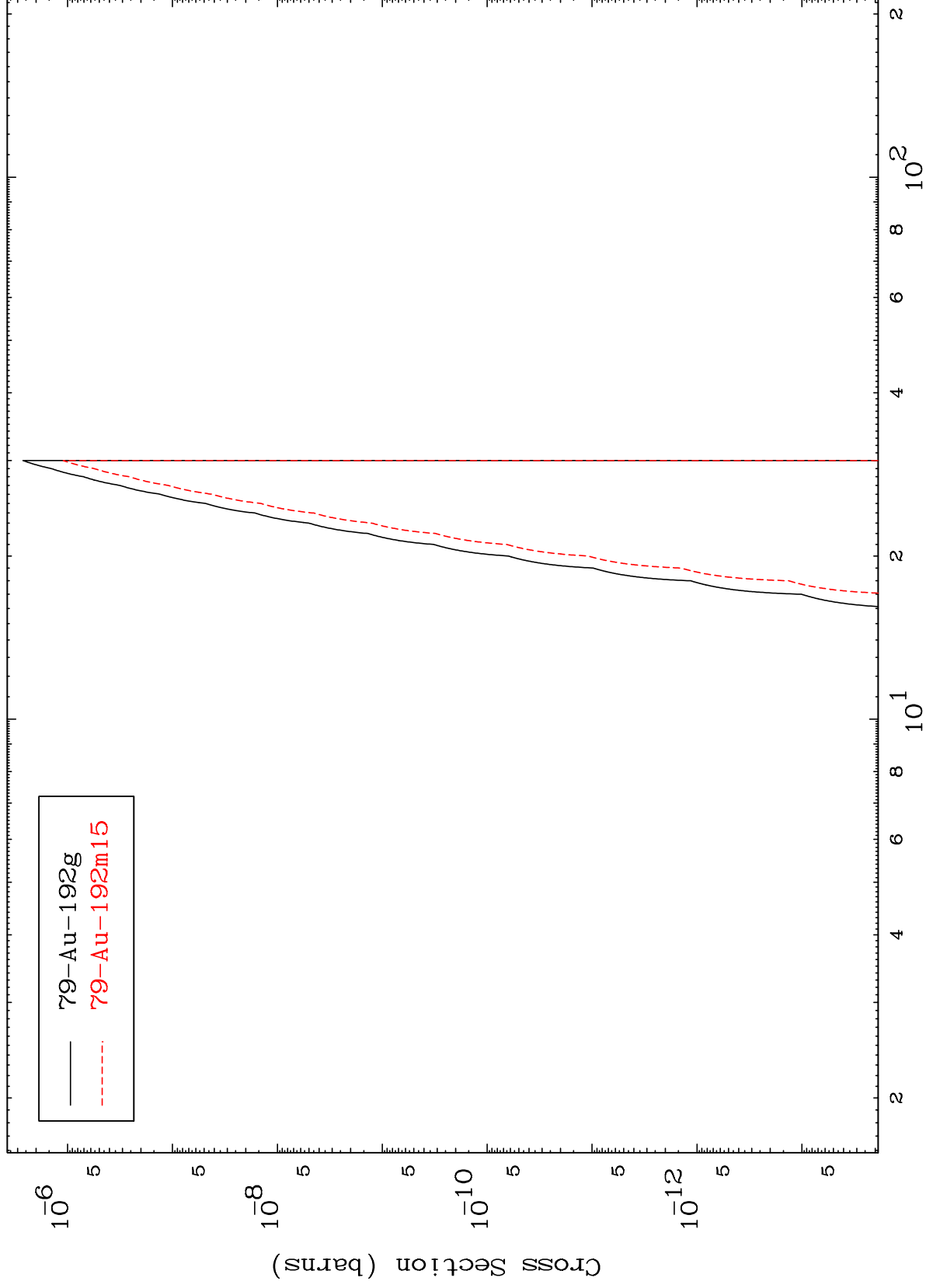
82-Pb-197

MAT 8204

(n,n') p α

82-Pb-197

Radionuclide Production Cross Section



140

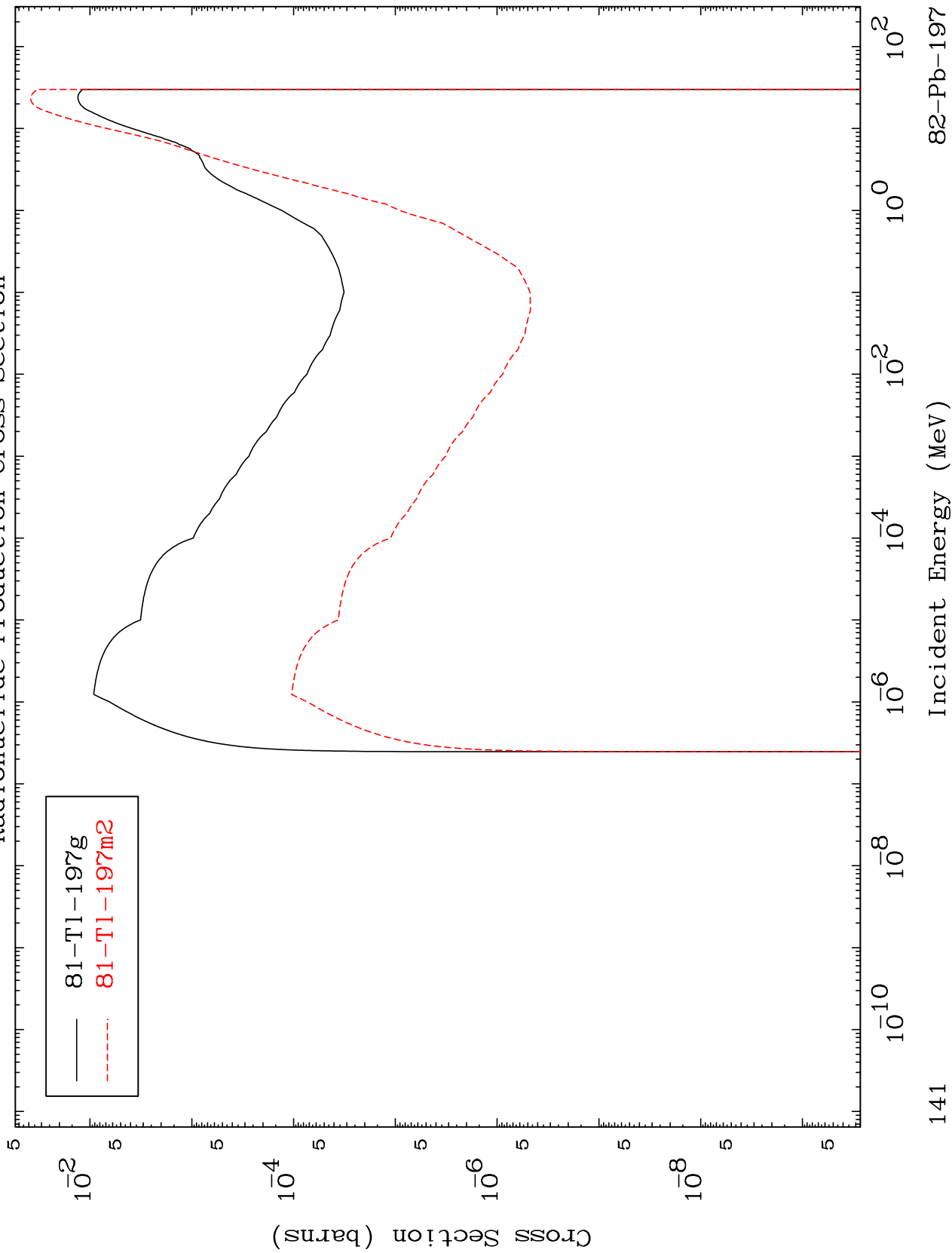
Incident Energy (MeV)

82-Pb-197

MAT 8204

82-Pb-197

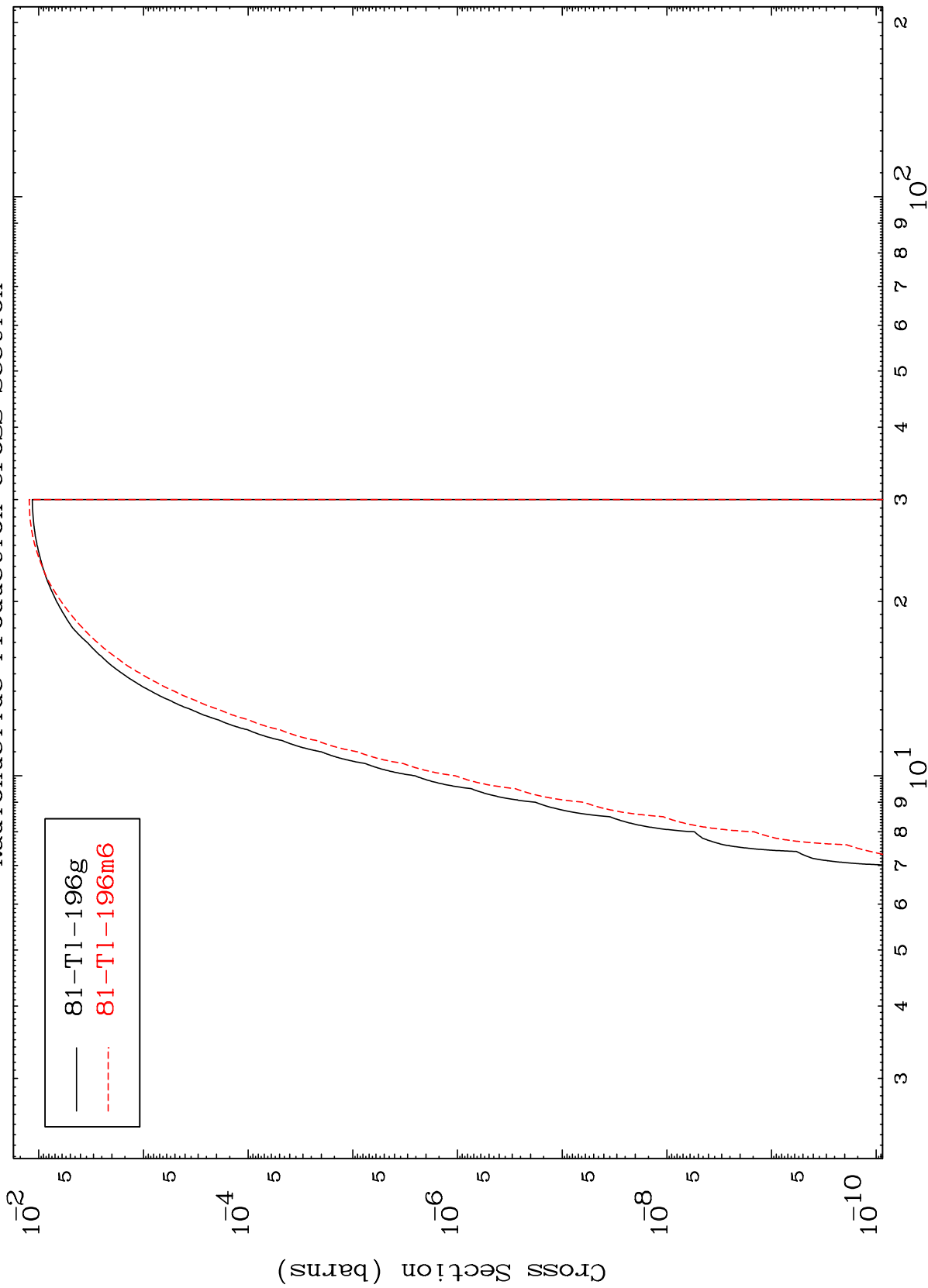
(n,p)
Radionuclide Production Cross Section



MAT 8204

82-Pb-197

(n,d)
Radionuclide Production Cross Section



82-Pb-197

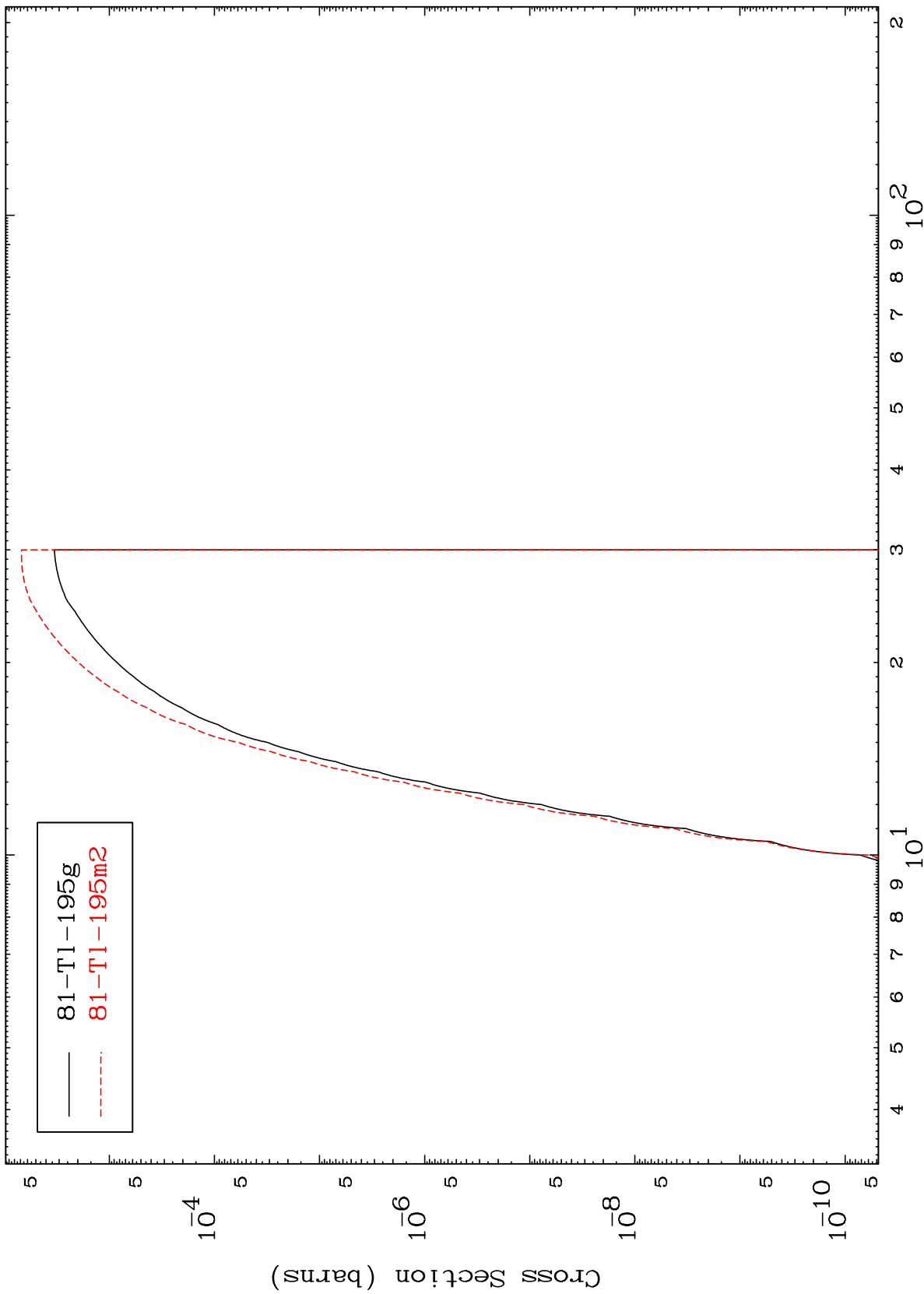
Incident Energy (MeV)

142

MAT 8204

82-Pb-197

(n, t)
Radionuclide Production Cross Section



143

Incident Energy (MeV)

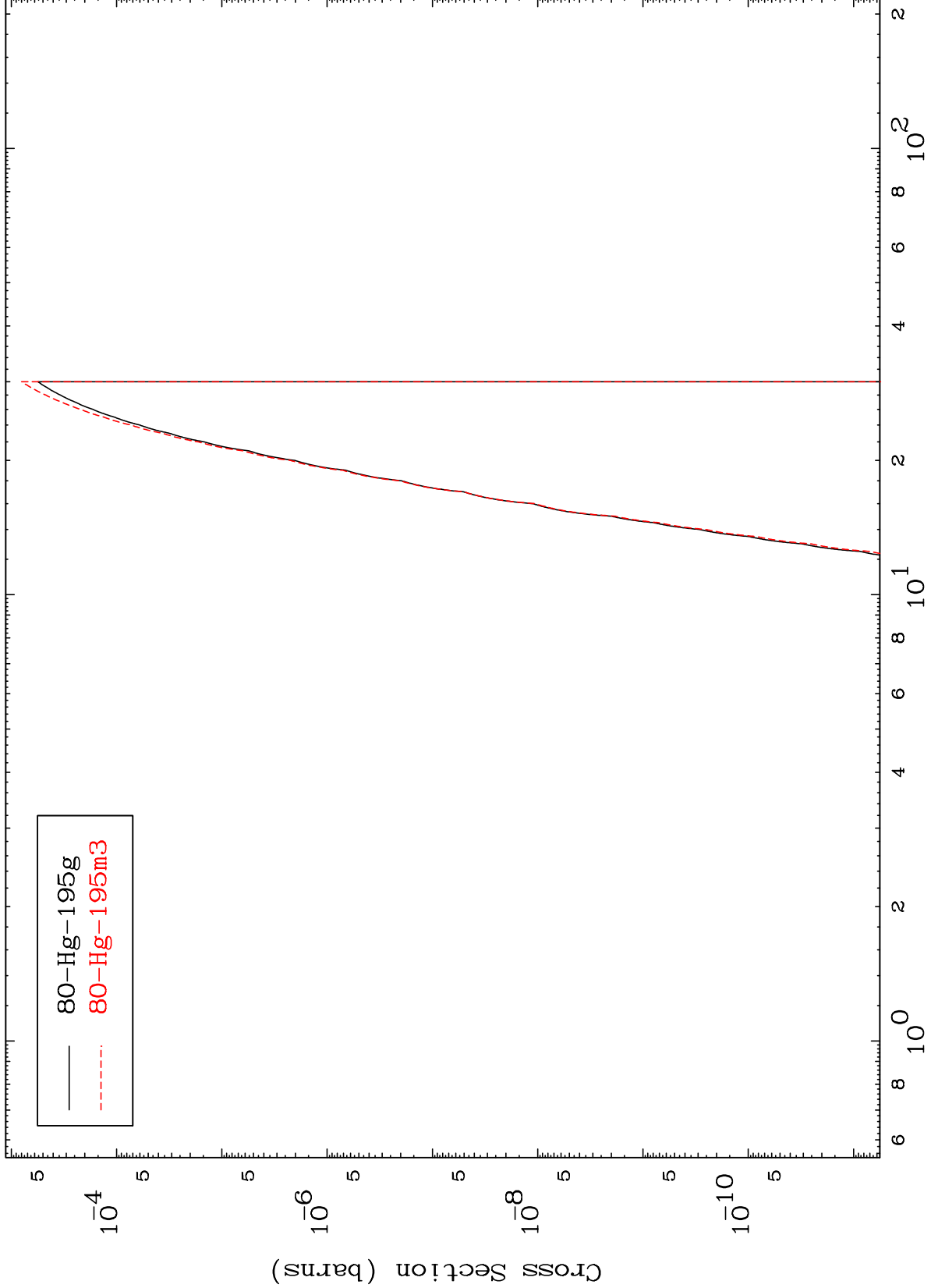
82-Pb-197

MAT 8204

(n,He-3)

82-Pb-197

Radionuclide Production Cross Section



80-Hg-195g
80-Hg-195m3

144

Incident Energy (MeV)

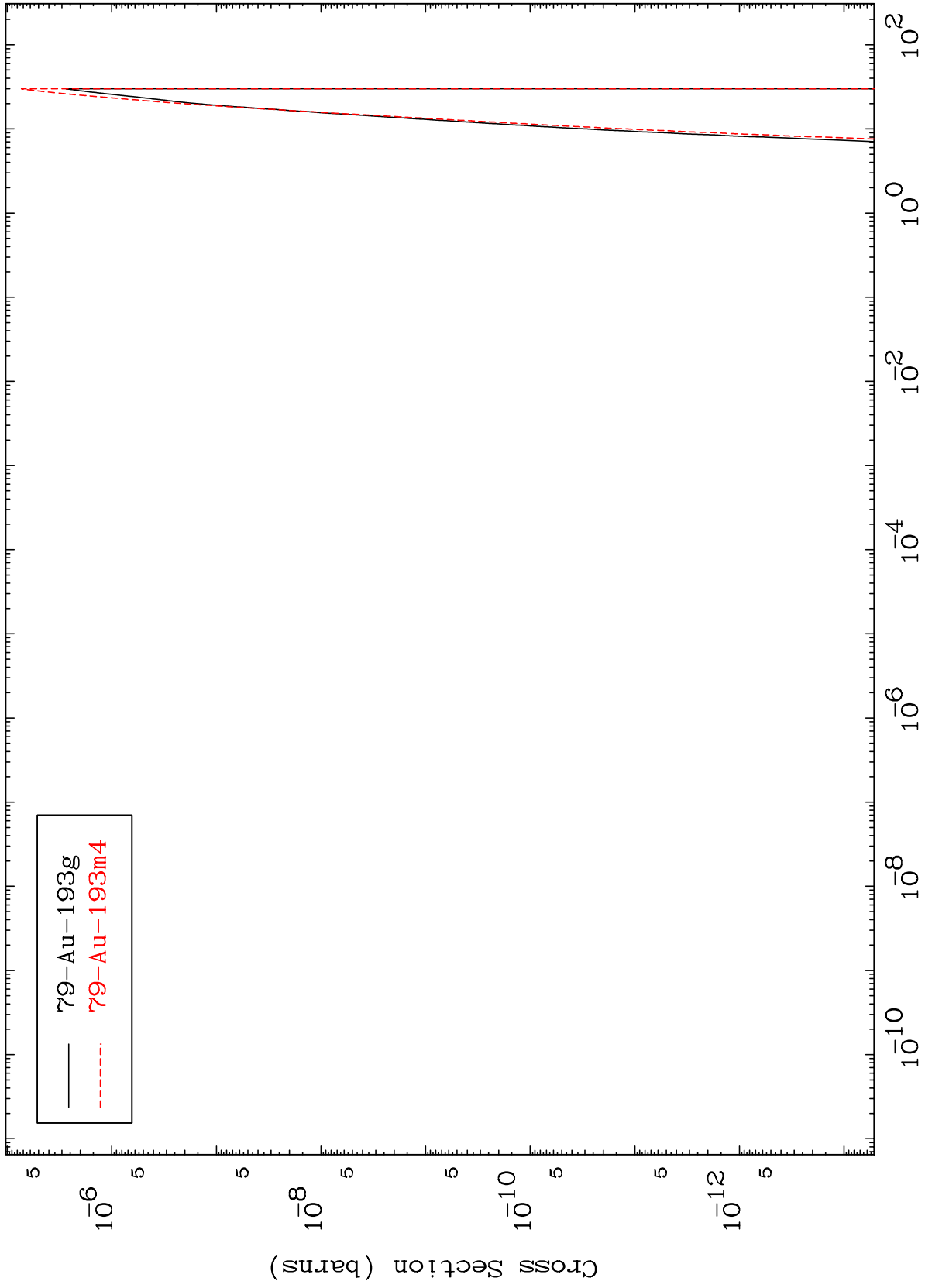
82-Pb-197

MAT 8204

(n,p) α

82-Pb-197

Radionuclide Production Cross Section

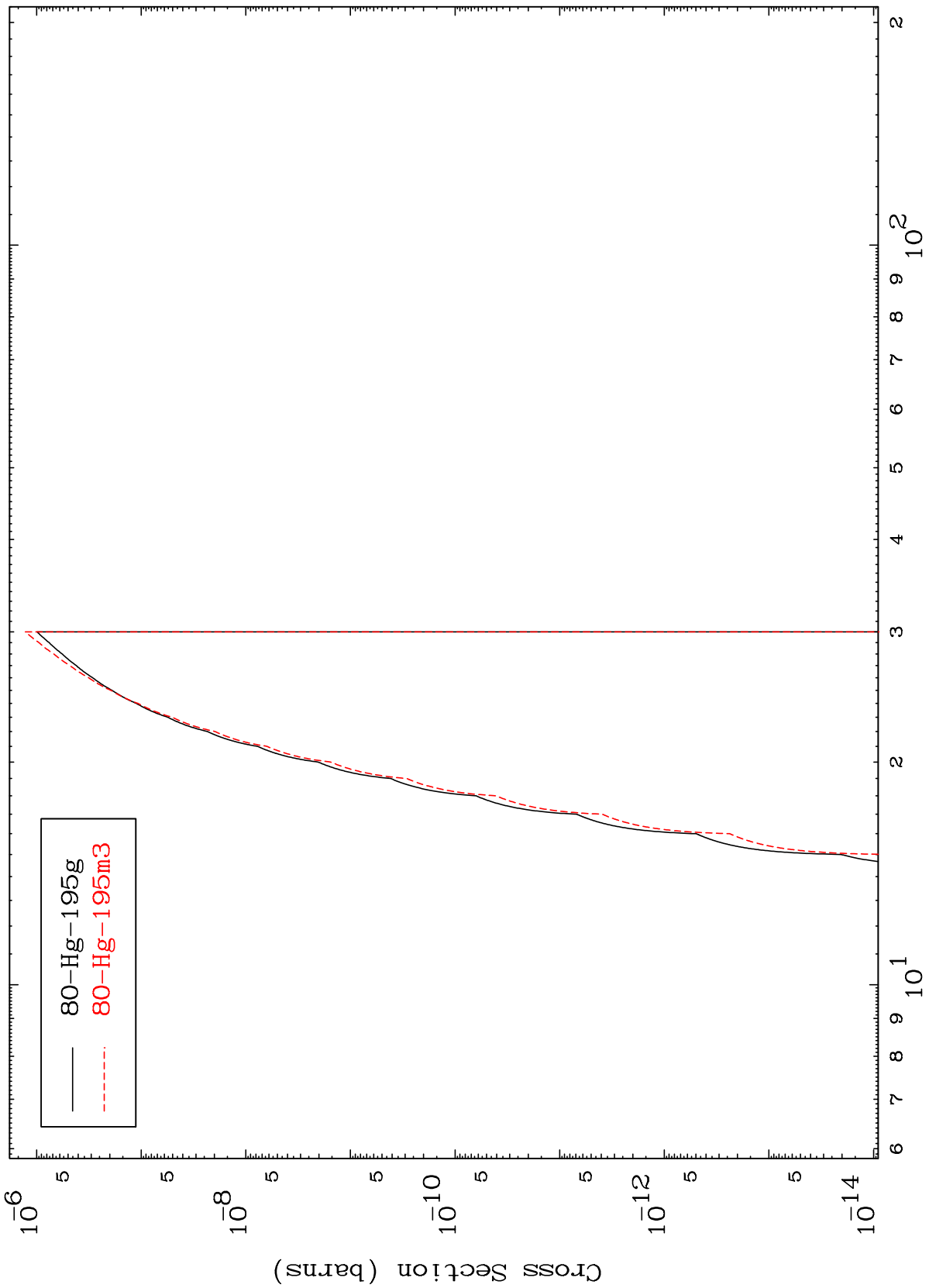


MAT 8204

(n,p) d

82-Pb-197

Radionuclide Production Cross Section



146

Incident Energy (MeV)

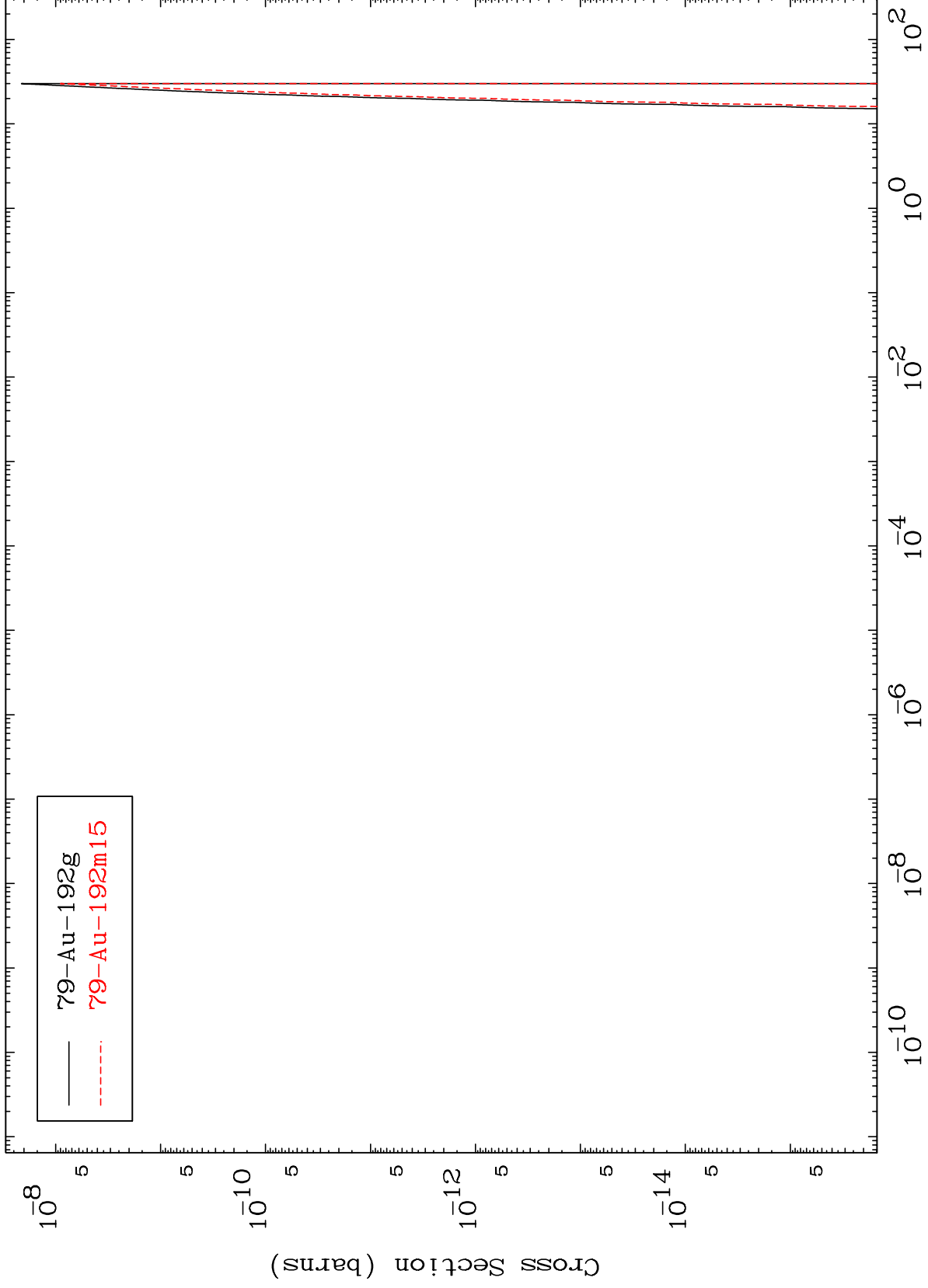
82-Pb-197

MAT 8204

(n,d) α

82-Pb-197

Radionuclide Production Cross Section



— 79-Au-192g
- - - 79-Au-192m15