

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

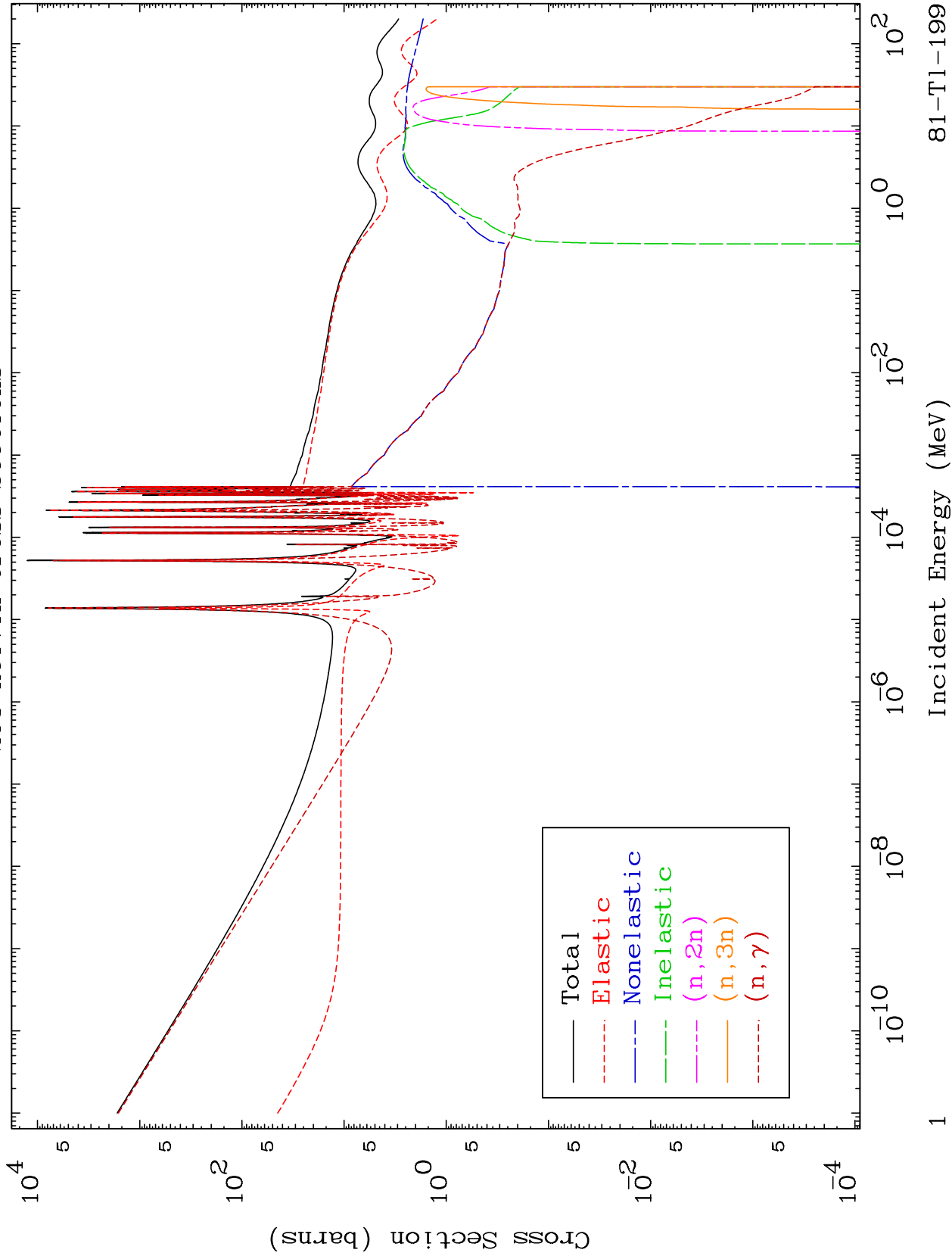
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Press Mouse Button to Start

MAT 81113

Neutron Major
293 Kelvin Cross Sections

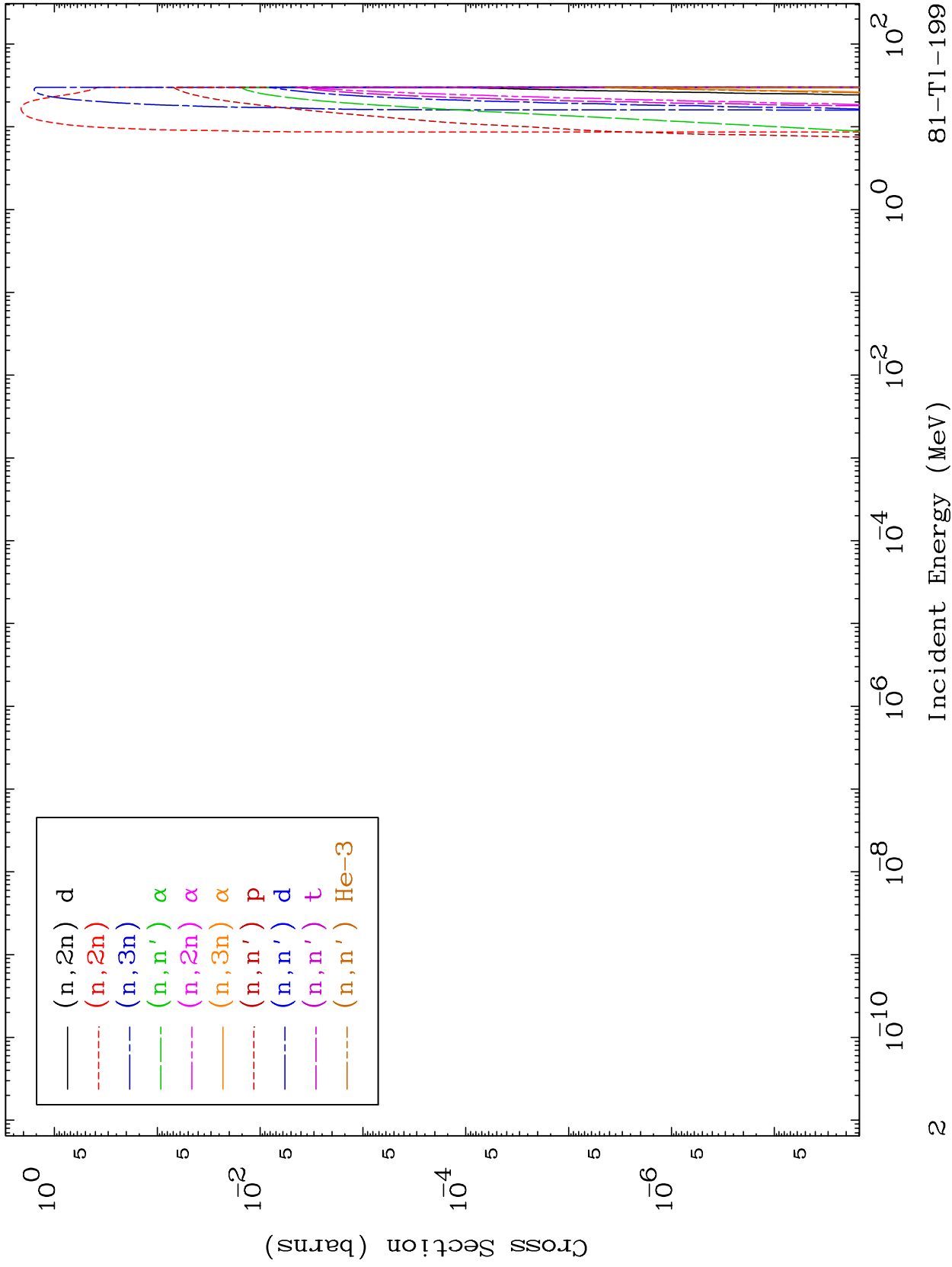
81-T1-199



MAT 8113

Neutron Absorption
293 Kelvin Cross Sections

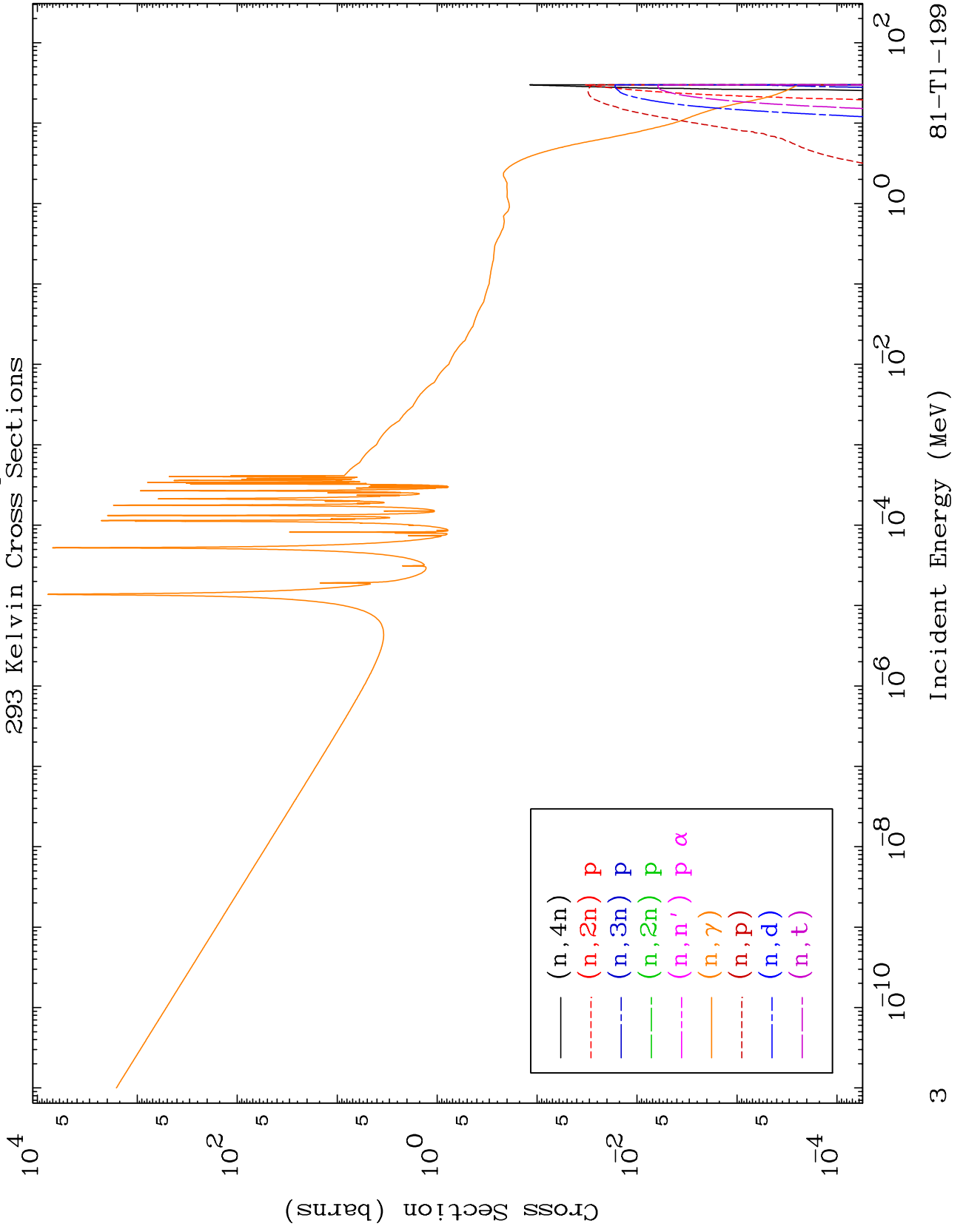
81-Tl-199



MAT 81113

Neutron Absorption
293 Kelvin Cross Sections

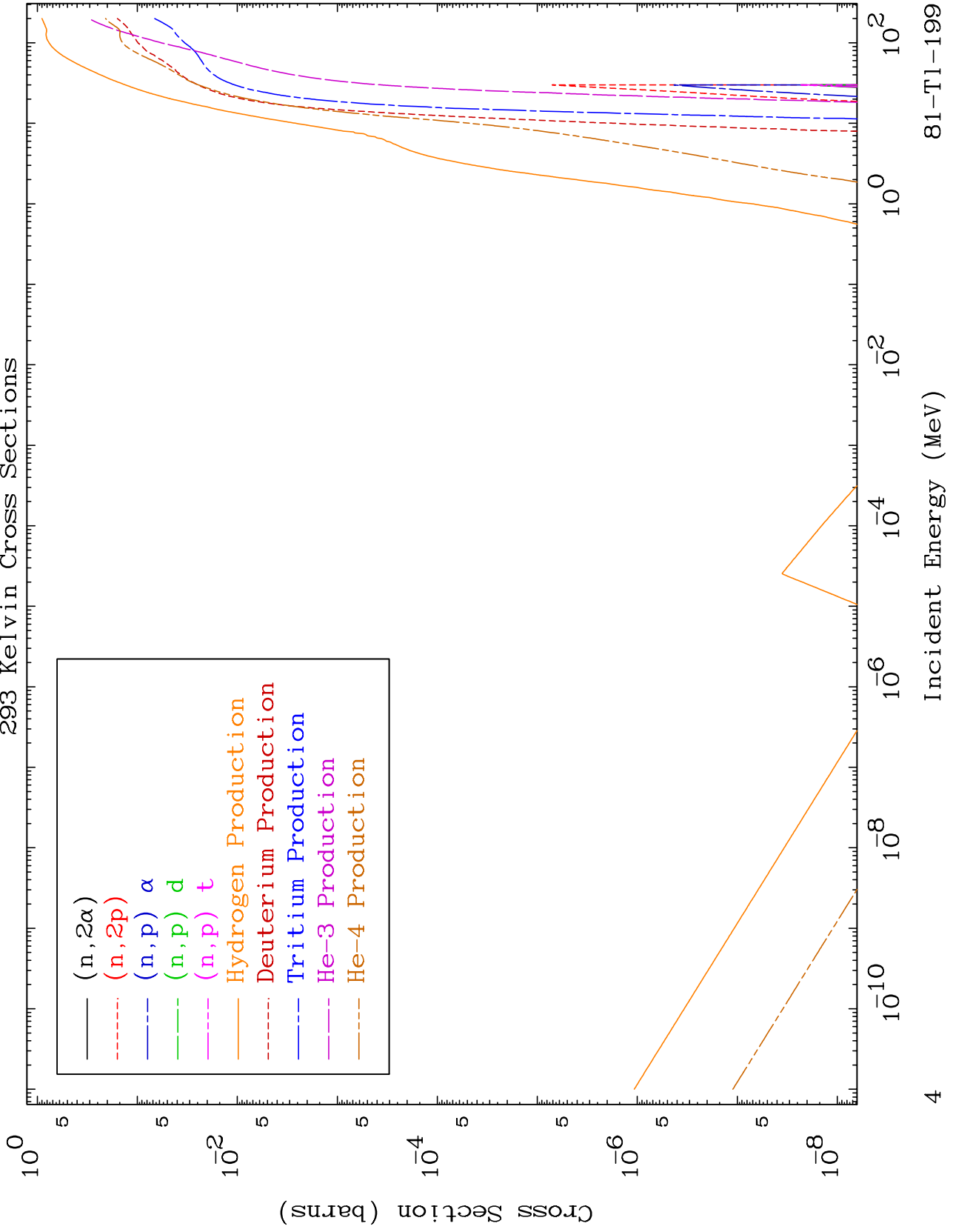
81-Tl-199



MAT 81113

Neutron Absorption
293 Kelvin Cross Sections

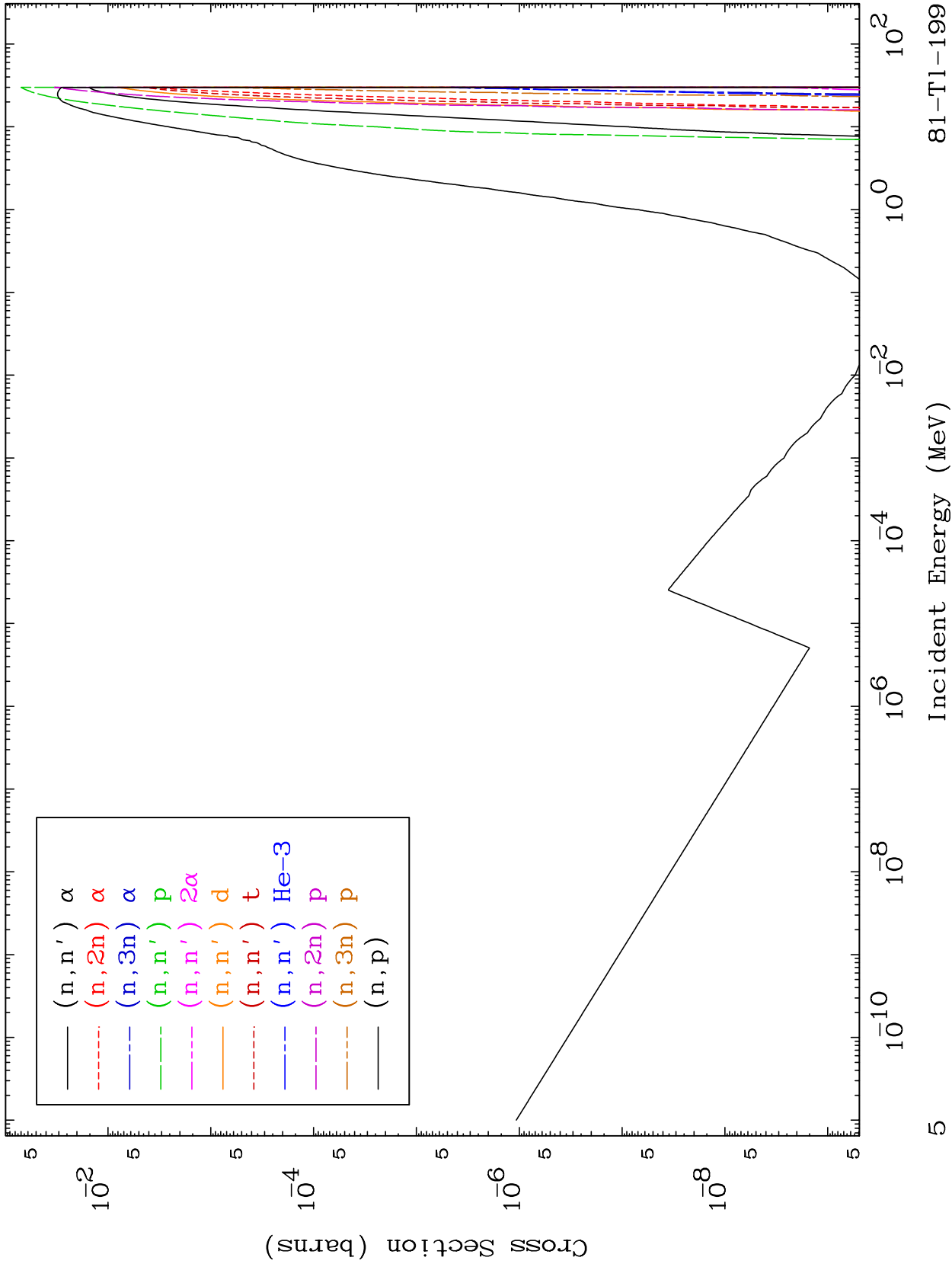
81-Tl-199



MAT 8113

Charged Particle
293 Kelvin Cross Sections

81-Tl-199



5

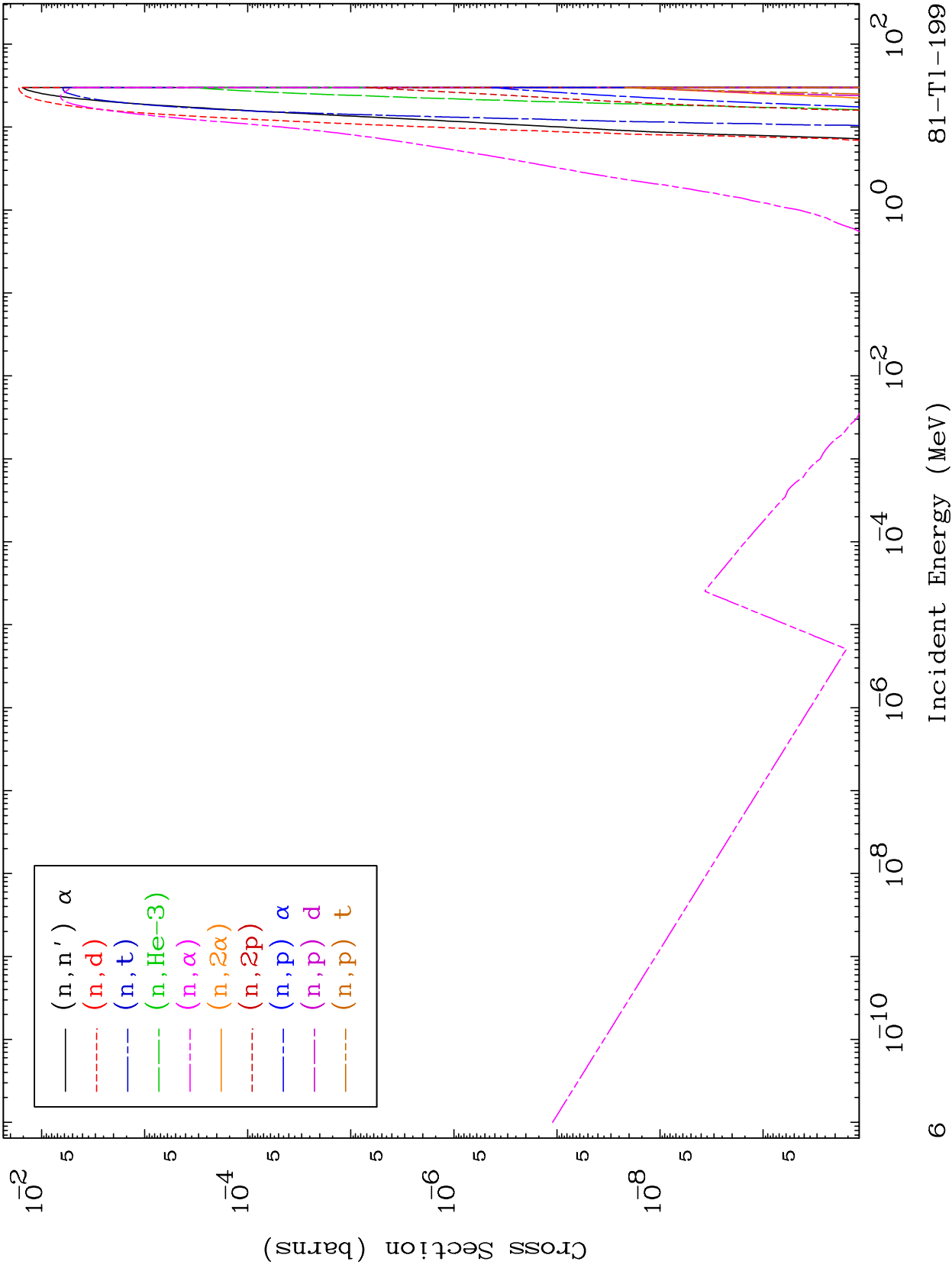
Incident Energy (MeV)

81-Tl-199

MAT 8113

Charged Particle
293 Kelvin Cross Sections

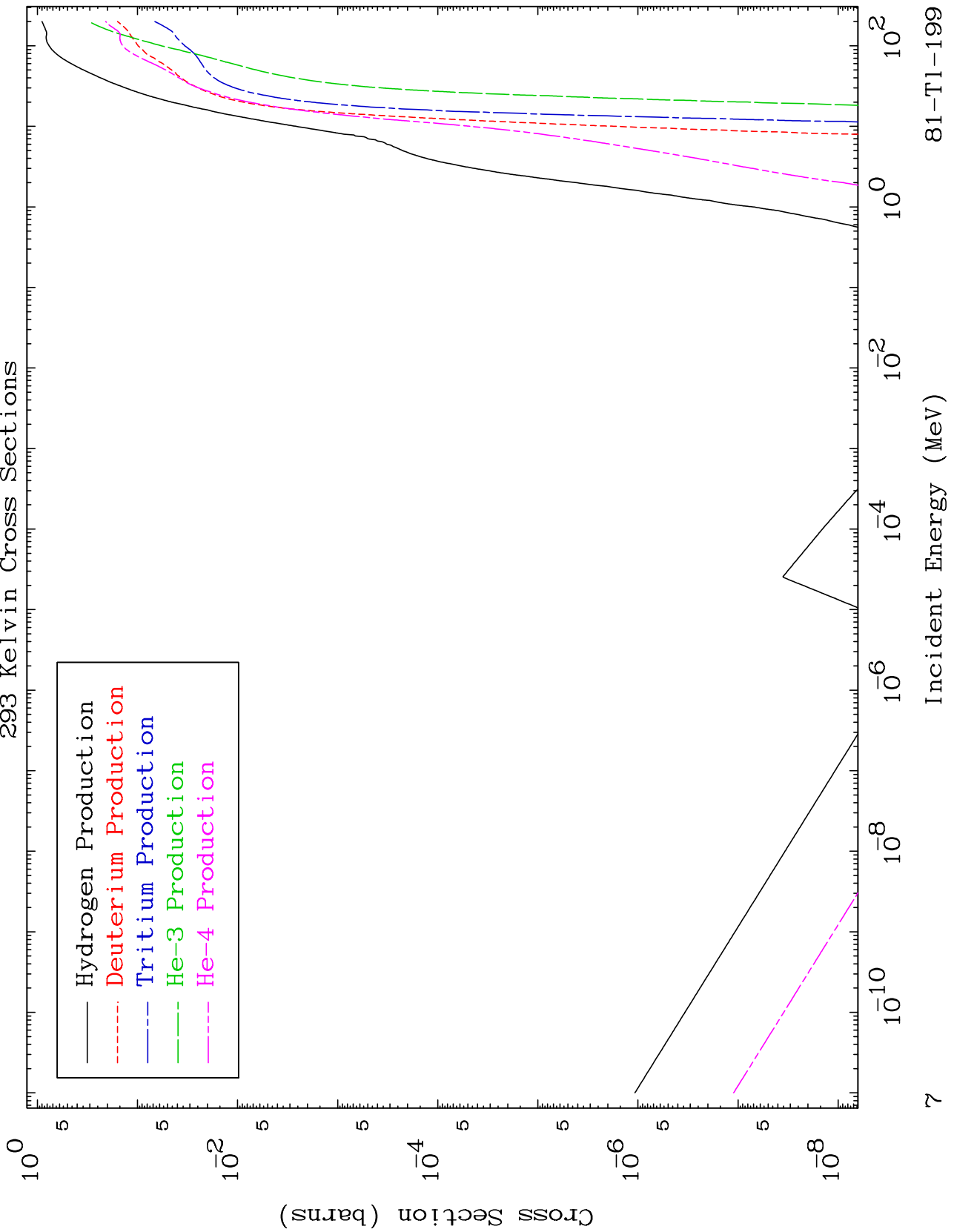
81-Tl-199



MAT 8113

Particle Production
293 Kelvin Cross Sections

81-T1-199

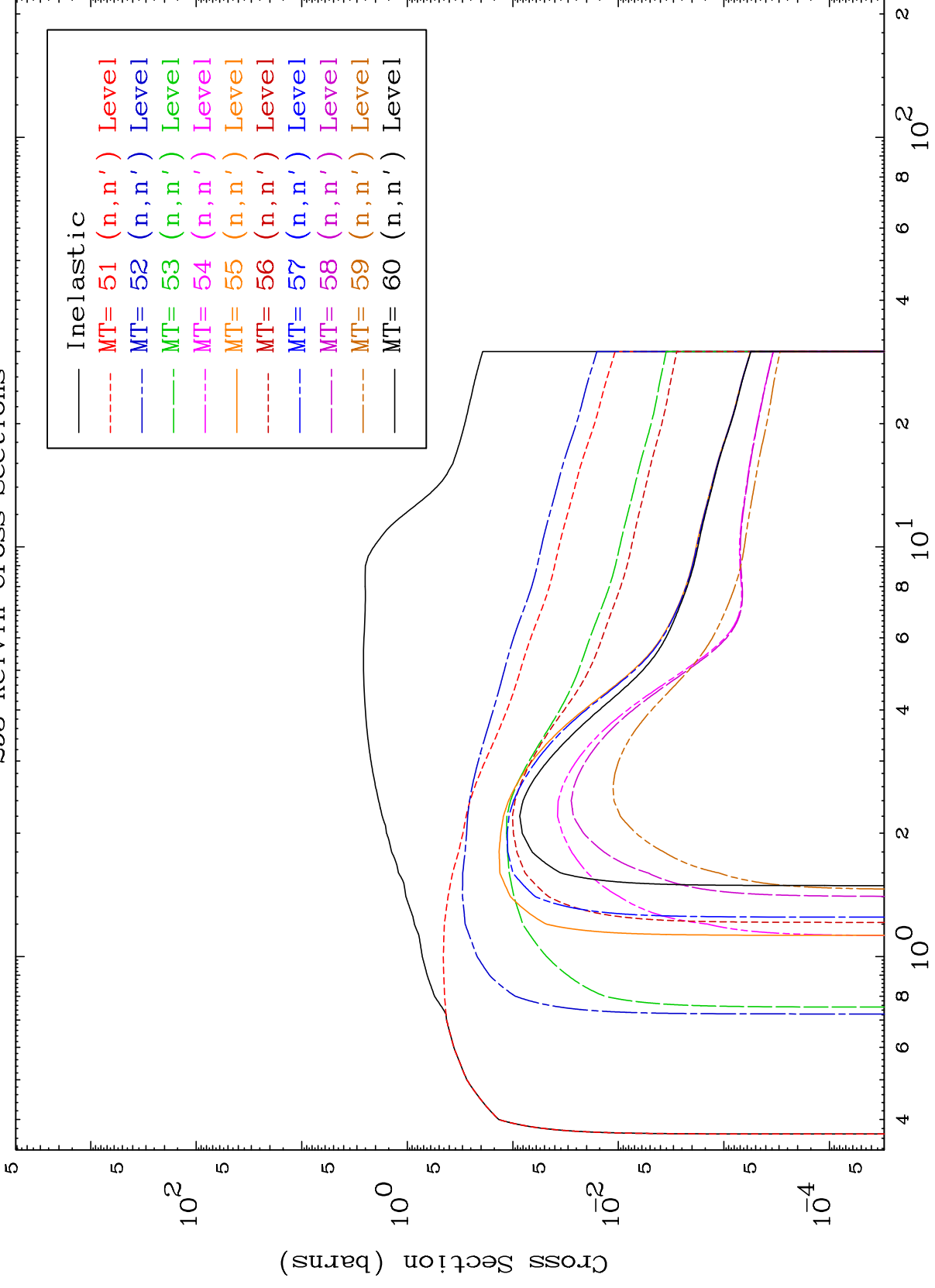


MAT 81113

(n,n') Levels

81-Tl-199

293 Kelvin Cross Sections



8

Incident Energy (MeV)

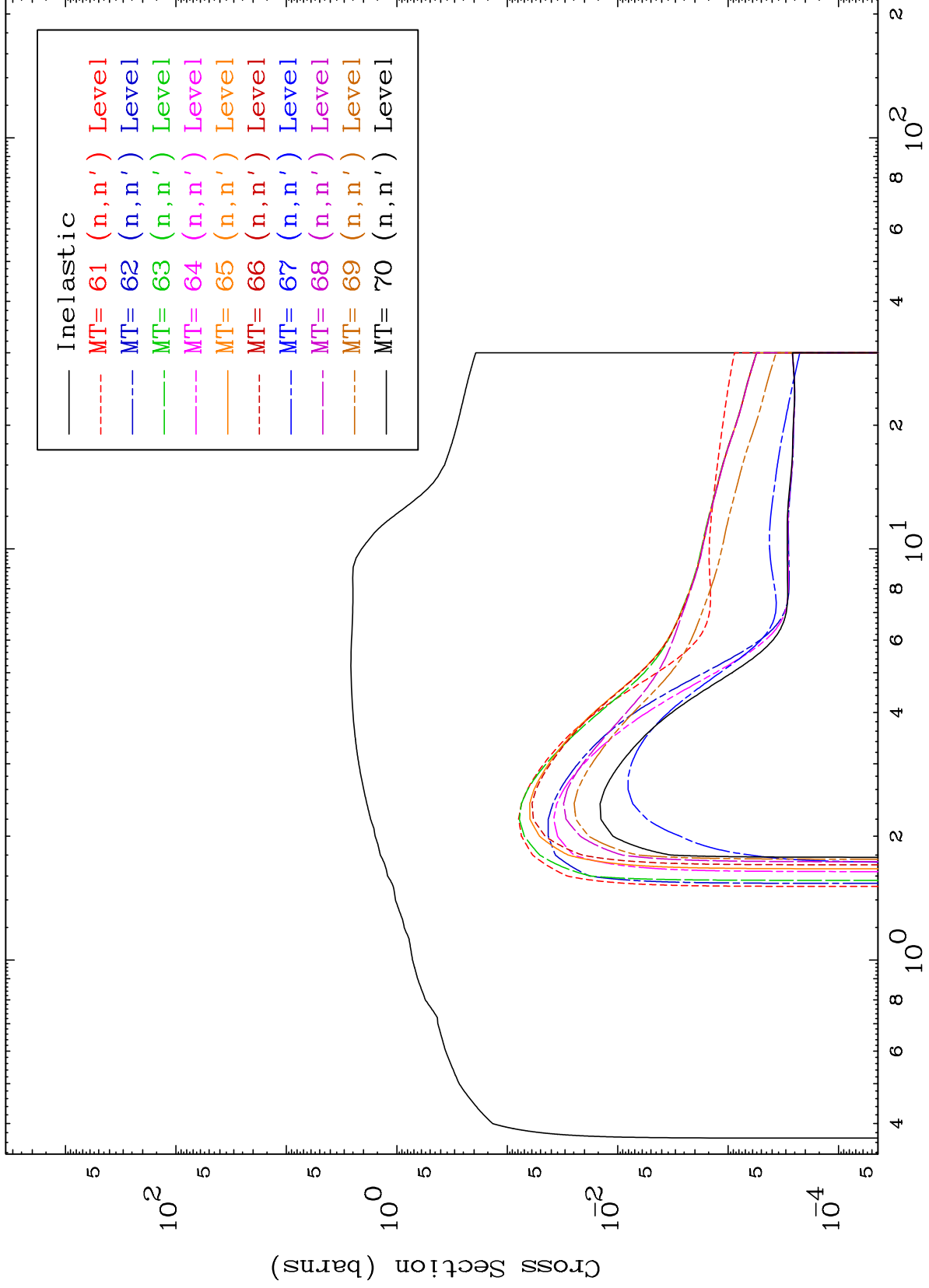
81-Tl-199

MAT 8113

(n,n') Levels

81-Tl-199

293 Kelvin Cross Sections



9

Incident Energy (MeV)

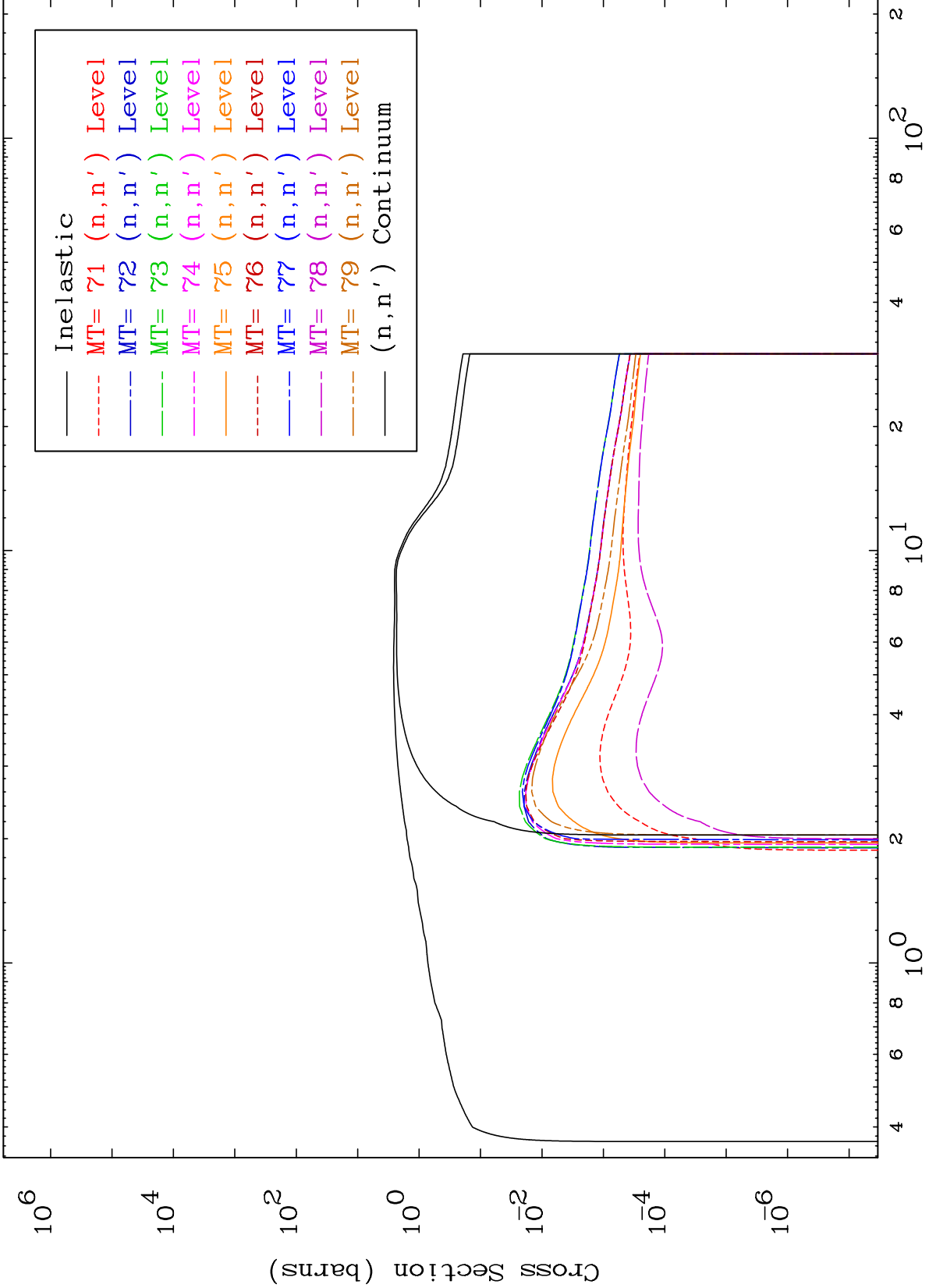
81-Tl-199

MAT 81113

(n,n') Levels

81-Tl-199

293 Kelvin Cross Sections



10

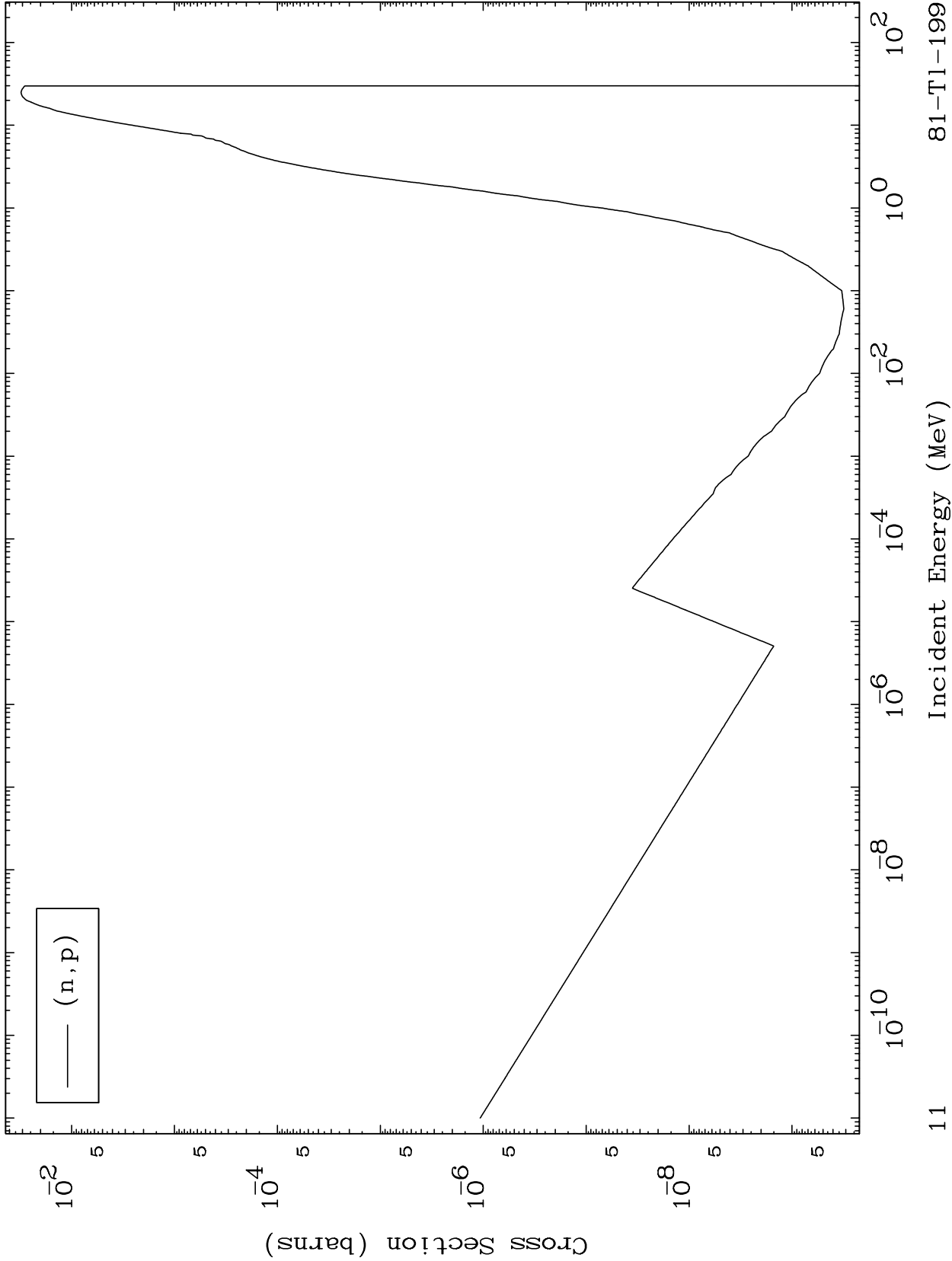
Incident Energy (MeV)

81-Tl-199

MAT 81113

(n,p) Levels
293 Kelvin Cross Sections

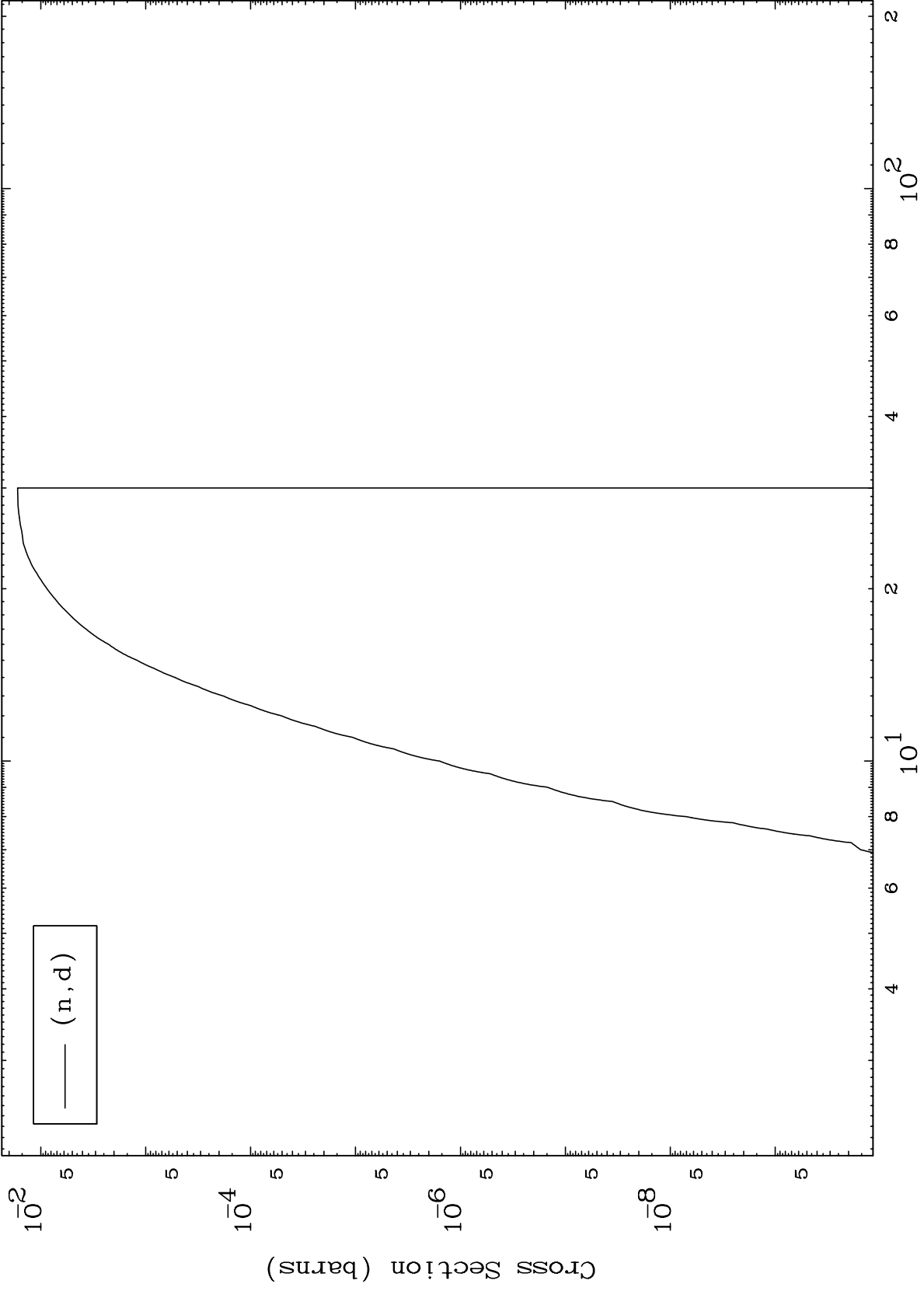
81-Tl-199



MAT 81113

(n,d) Levels
293 Kelvin Cross Sections

81-T1-199



12

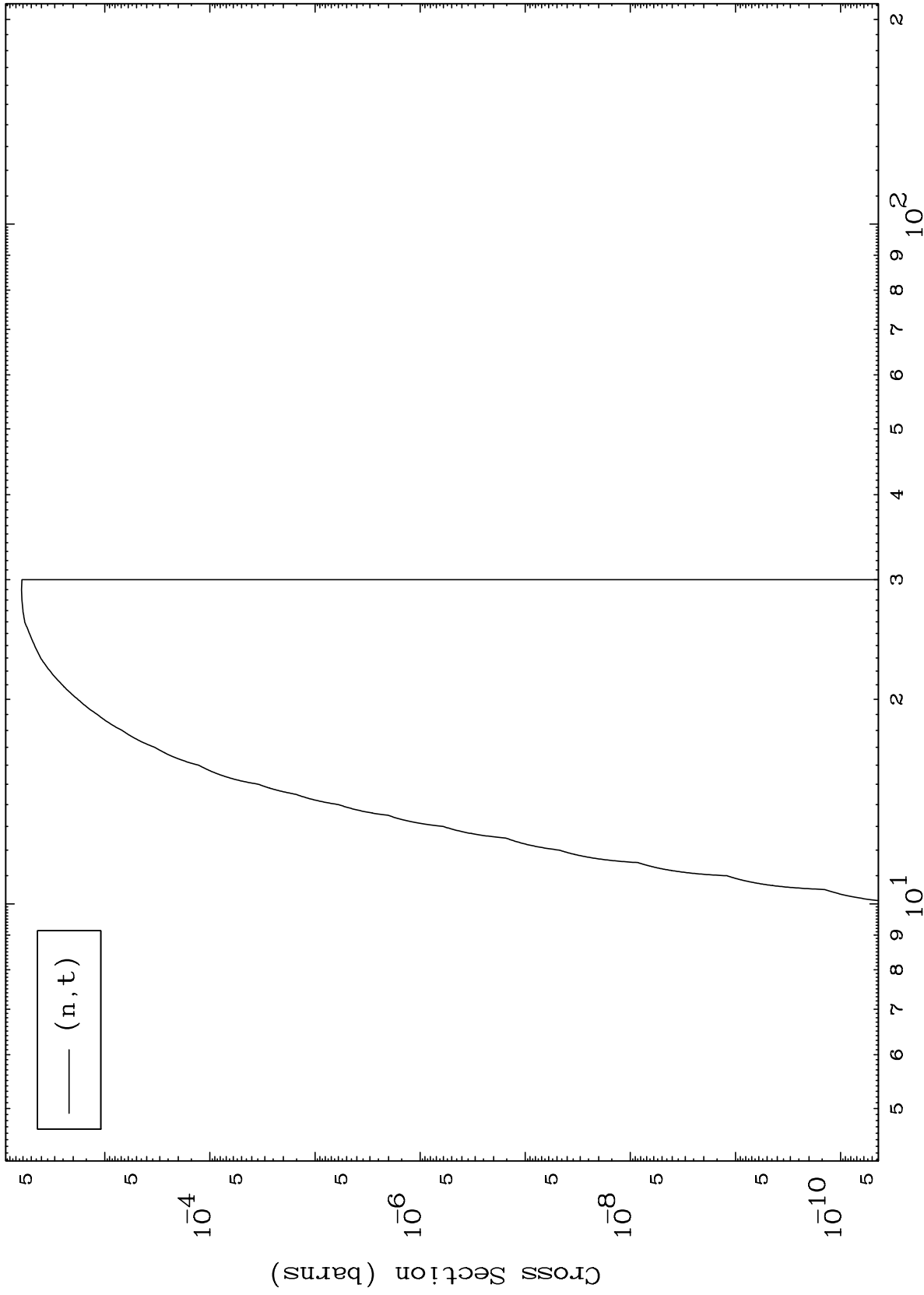
Incident Energy (MeV)

81-T1-199

MAT 81113

(n,t) Levels
293 Kelvin Cross Sections

81-T1-199



13

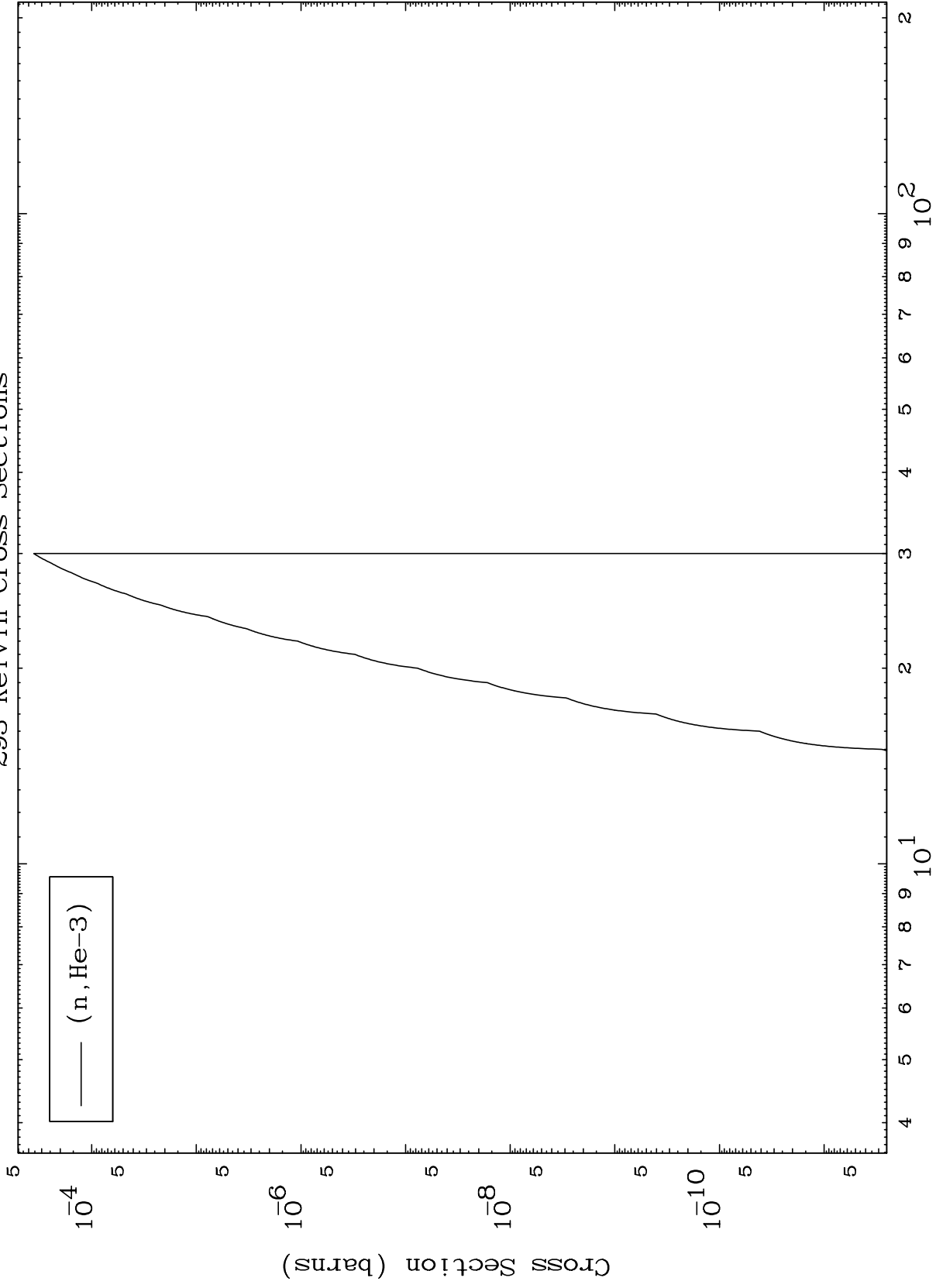
Incident Energy (MeV)

81-T1-199

MAT 81113

(n,He3) Levels
293 Kelvin Cross Sections

81-T1-199



14

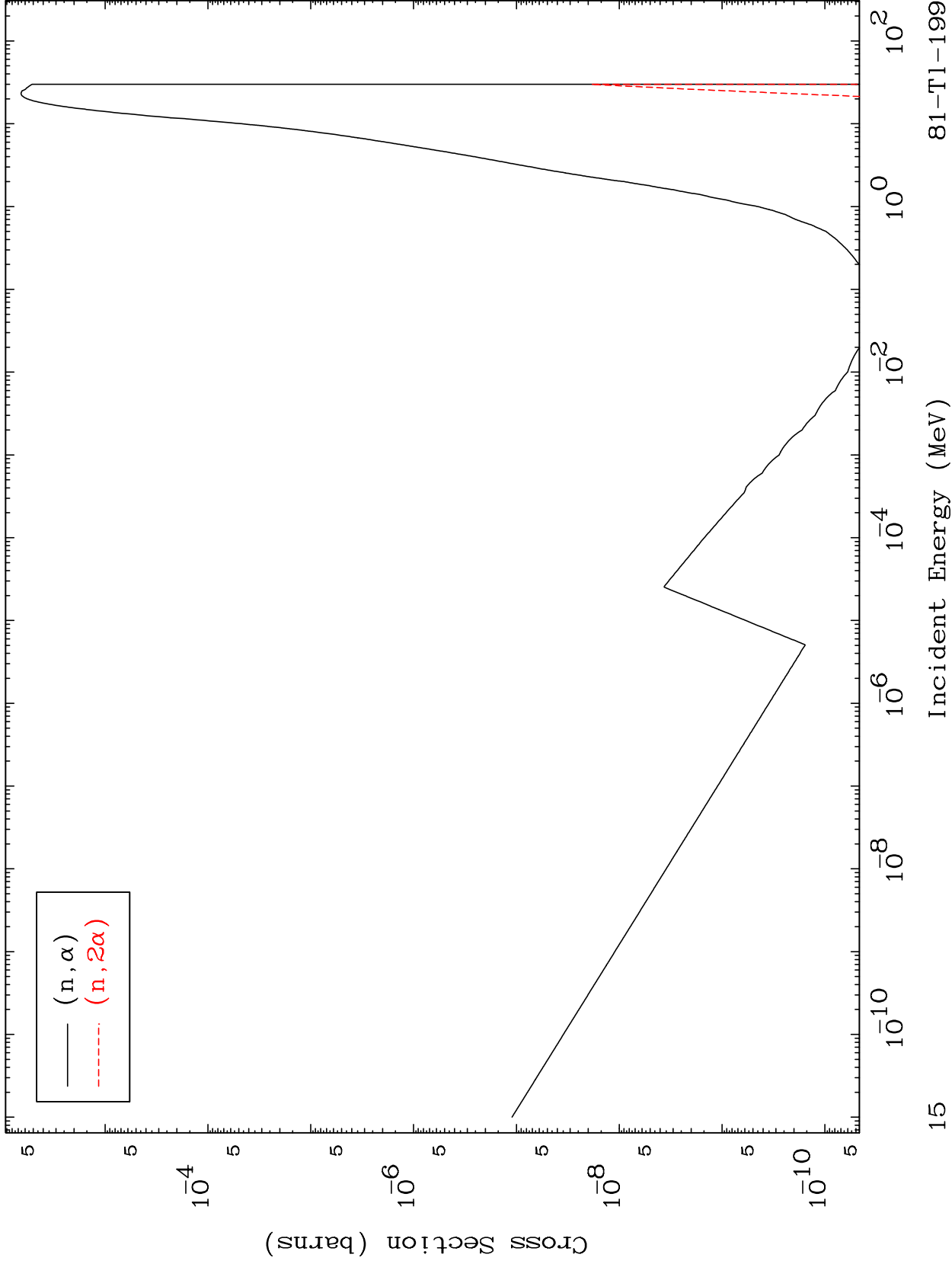
Incident Energy (MeV)

81-T1-199

MAT 81113

(n, α) Levels
293 Kelvin Cross Sections

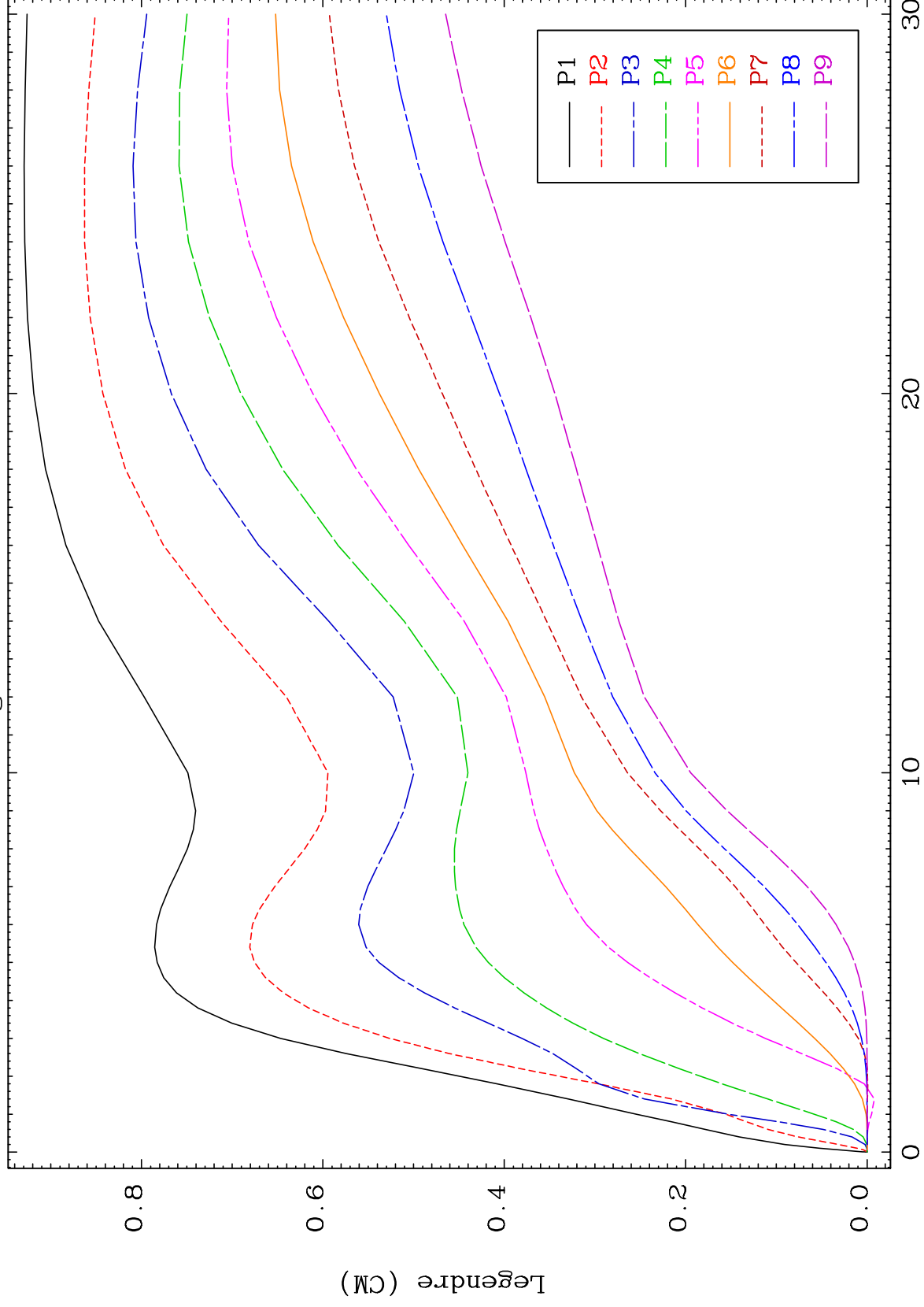
81-Tl-199



MAT 81113

Elastic Legendre Coefficients

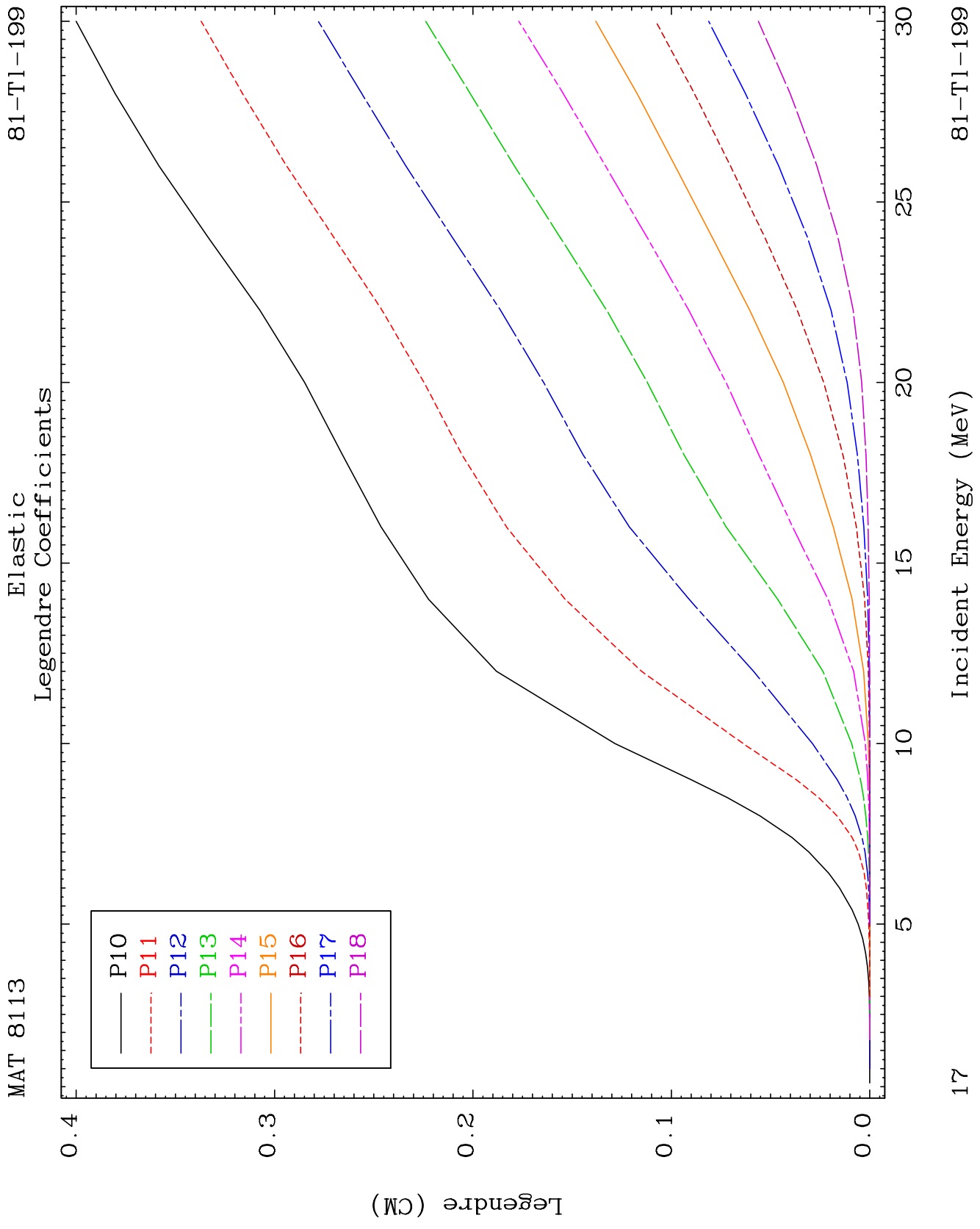
81-T1-199



16

Incident Energy (MeV)

81-T1-199



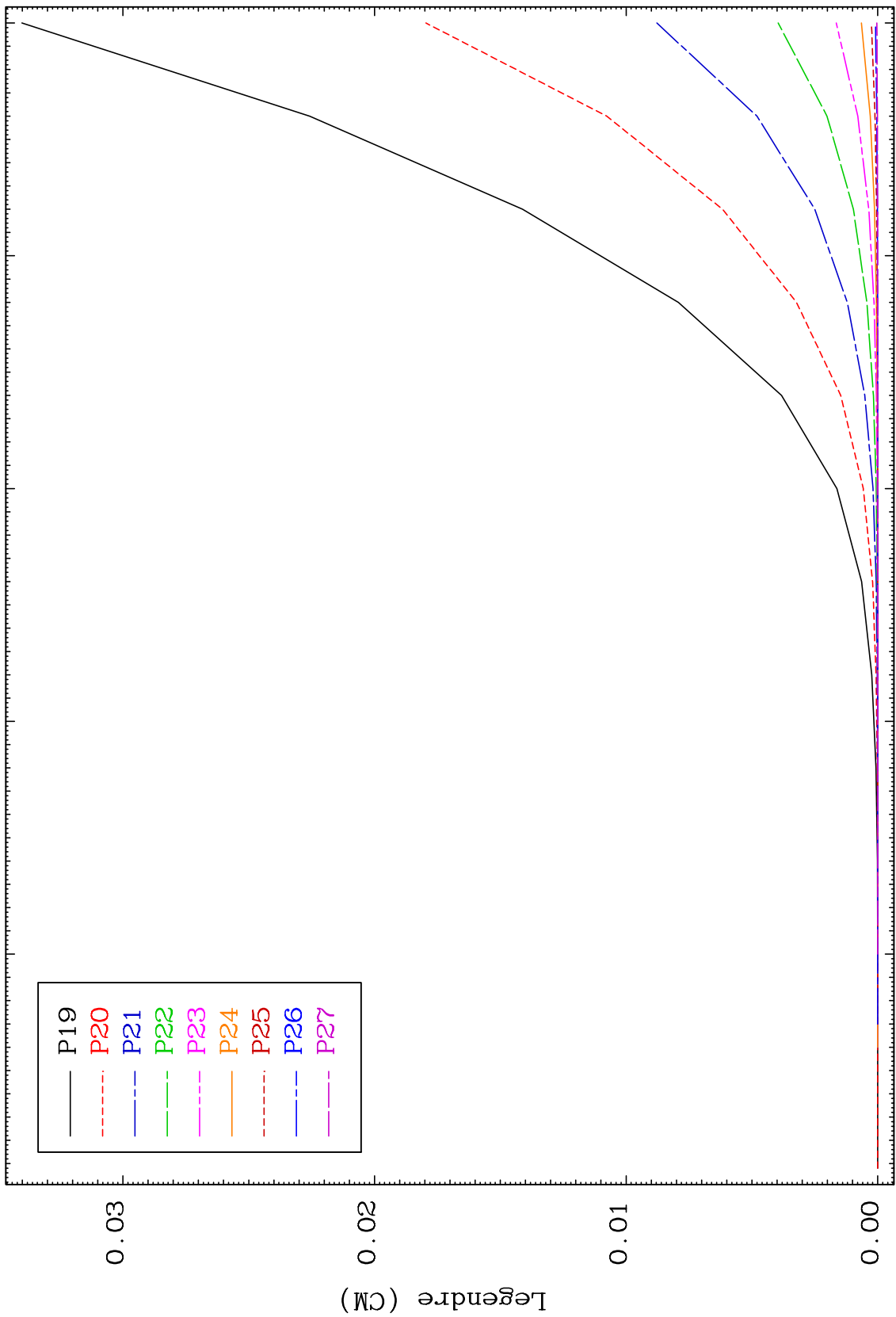
81-T1-199

81-T1-199

MAT 8113

Elastic Legendre Coefficients

81-T1-199



18

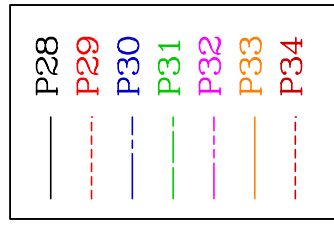
Incident Energy (MeV)

81-T1-199

MAT 8113

Elastic Legendre Coefficients

81-T1-199



$\times 10^{-5}$

1.0

0.8

Legendre (CM)

0.6

0.4

0.2

0.0

15

20

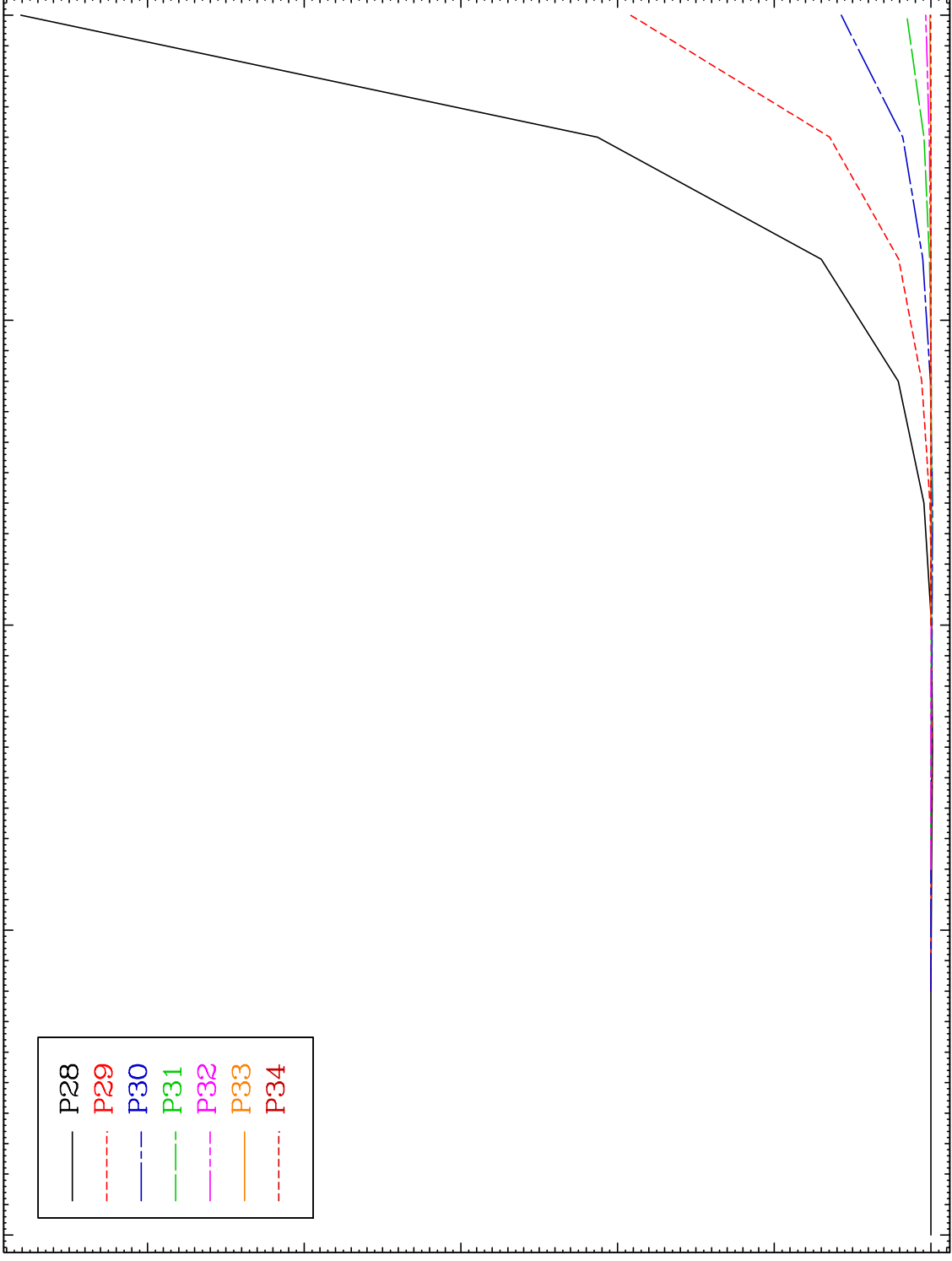
25

30

19

Incident Energy (MeV)

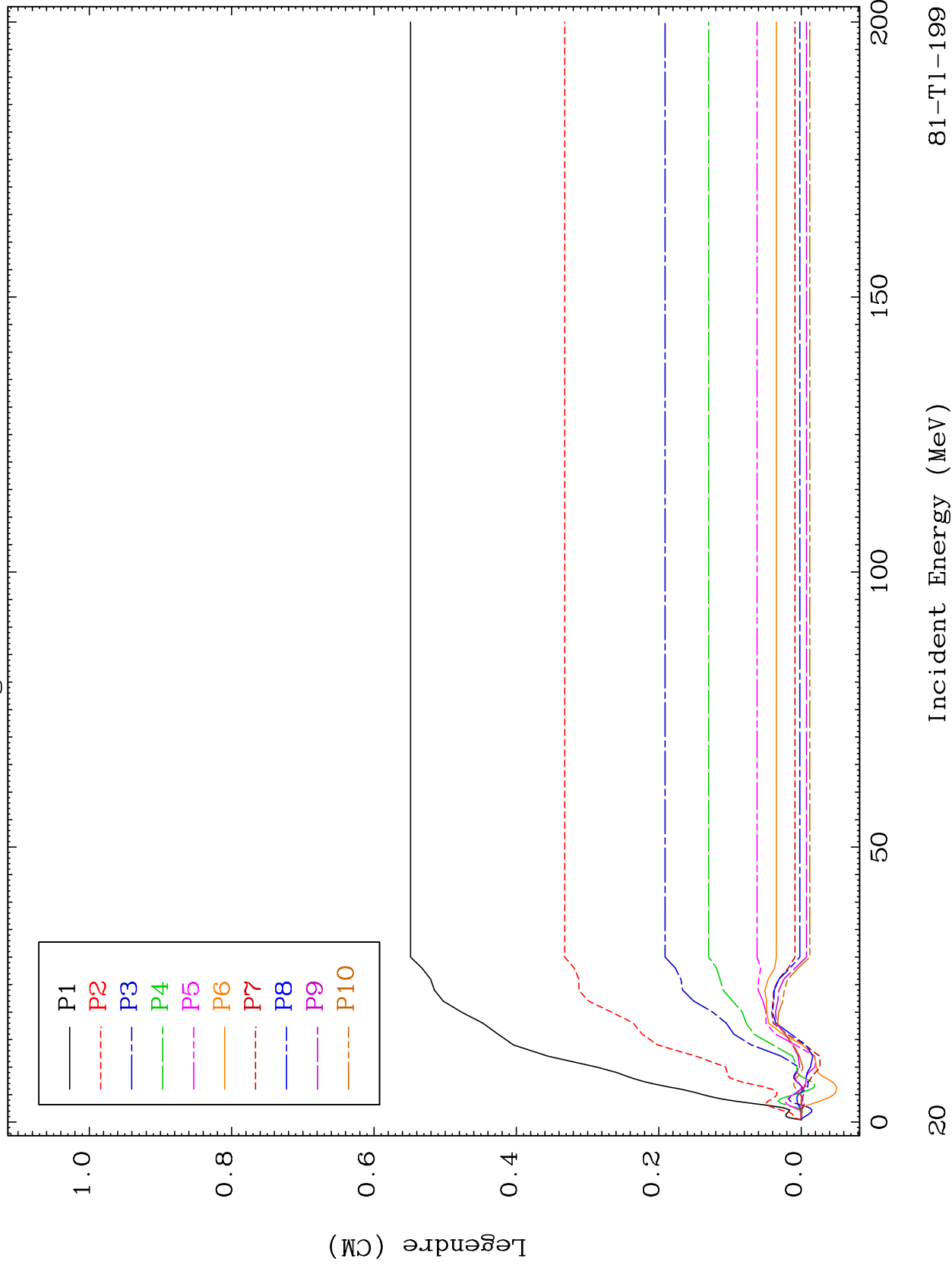
81-T1-199



MAT 8113

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

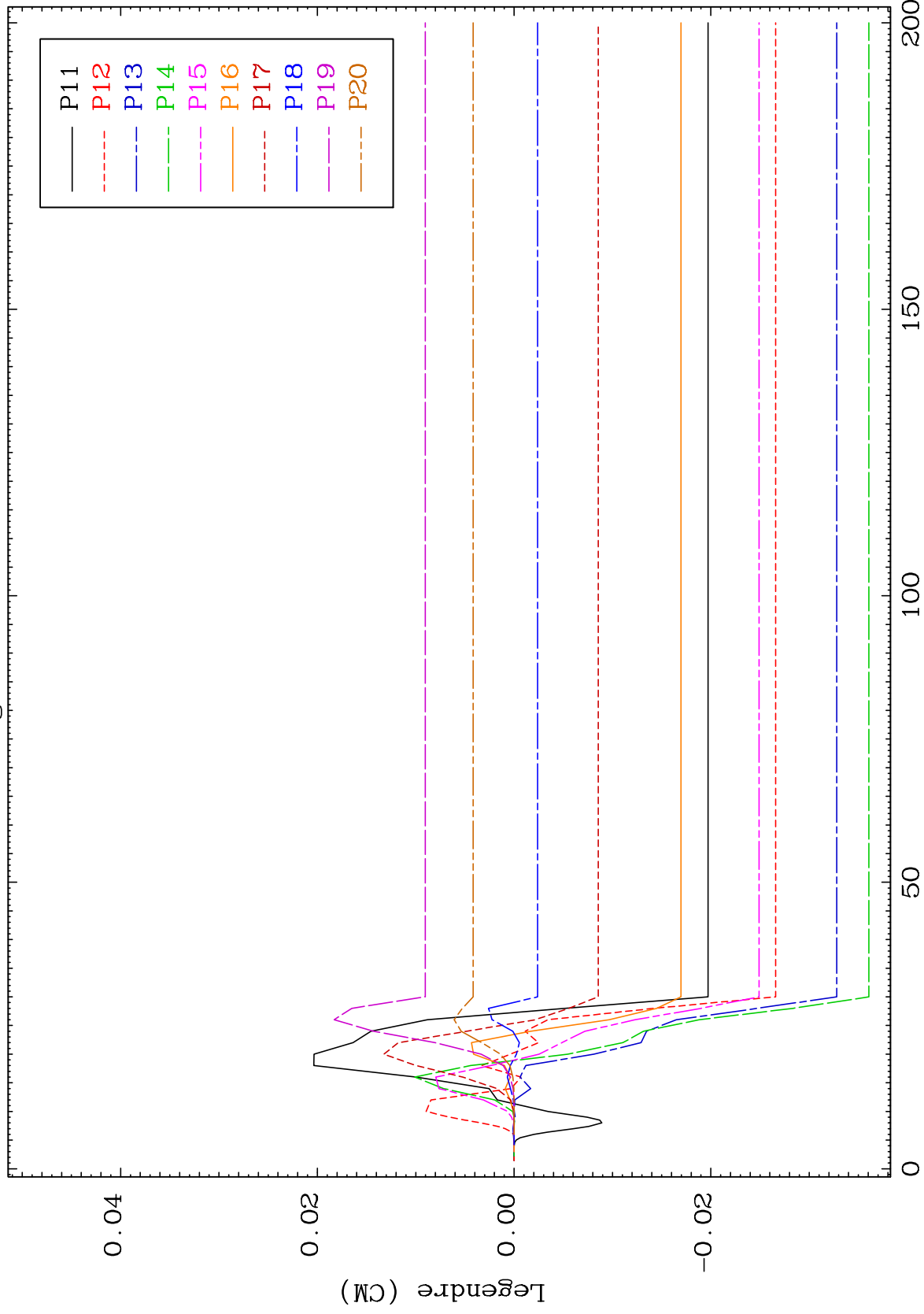
81-T1-199



MAT 81113

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

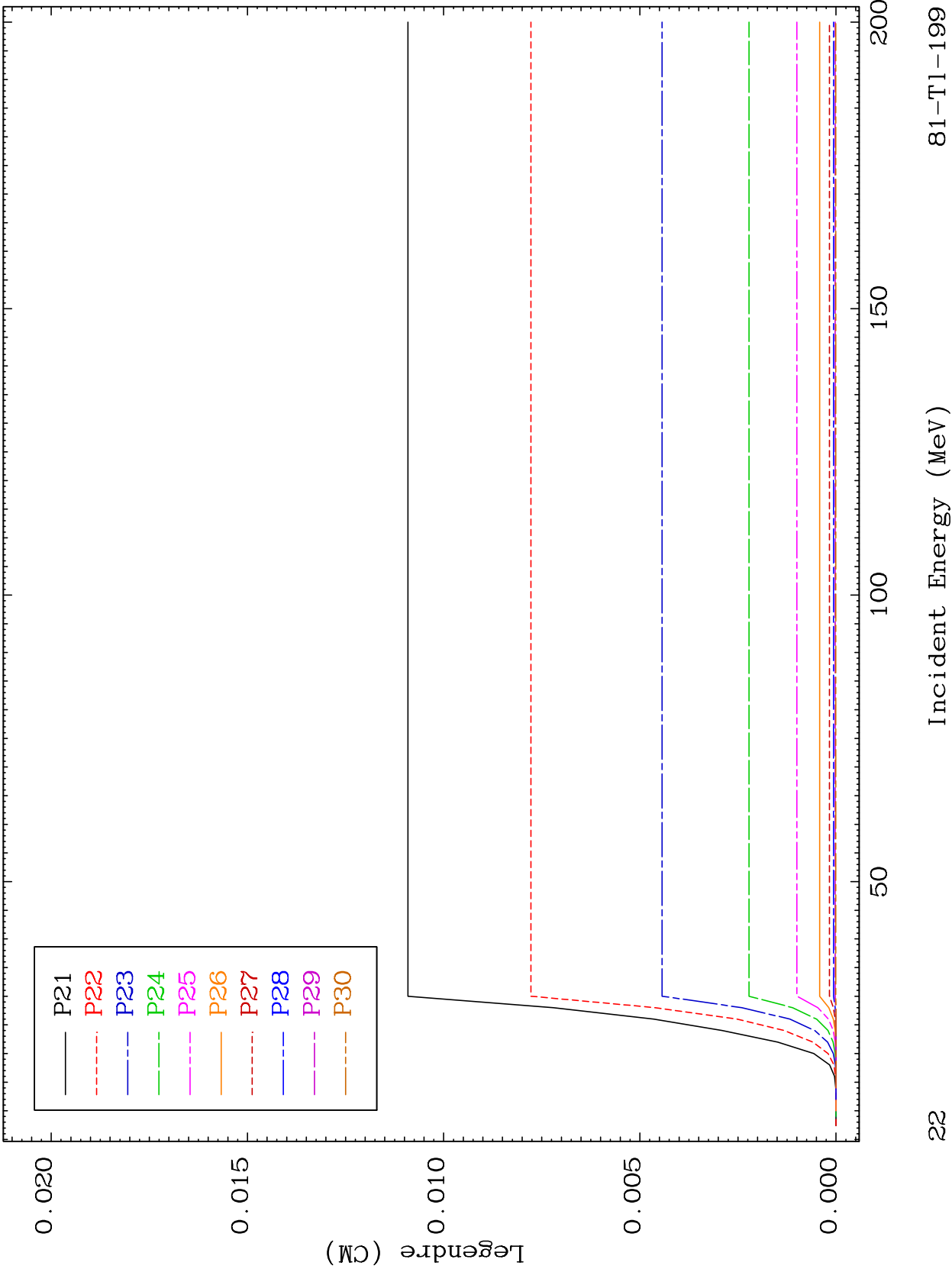
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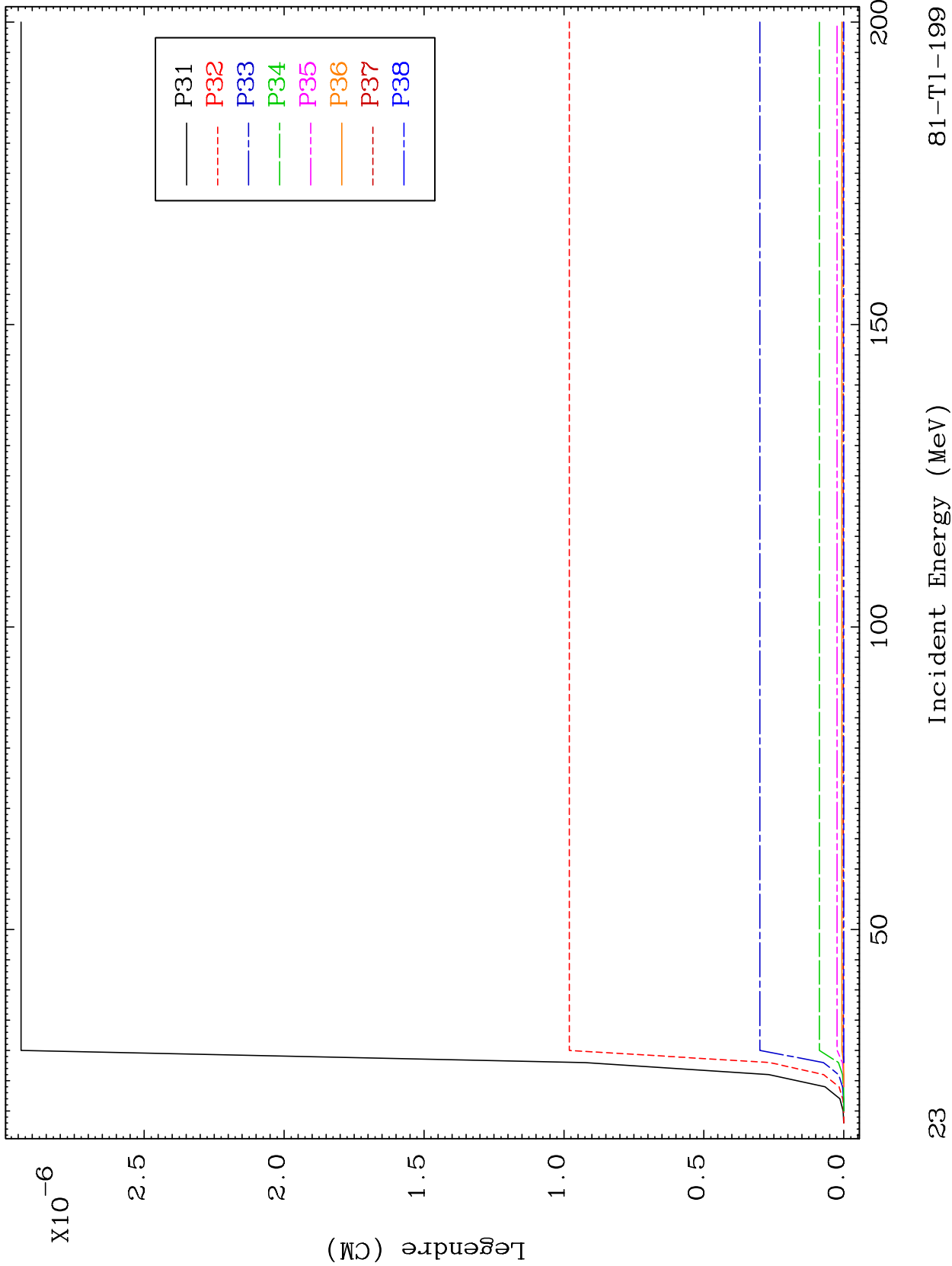


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Incident Energy (MeV)

81-T1-199

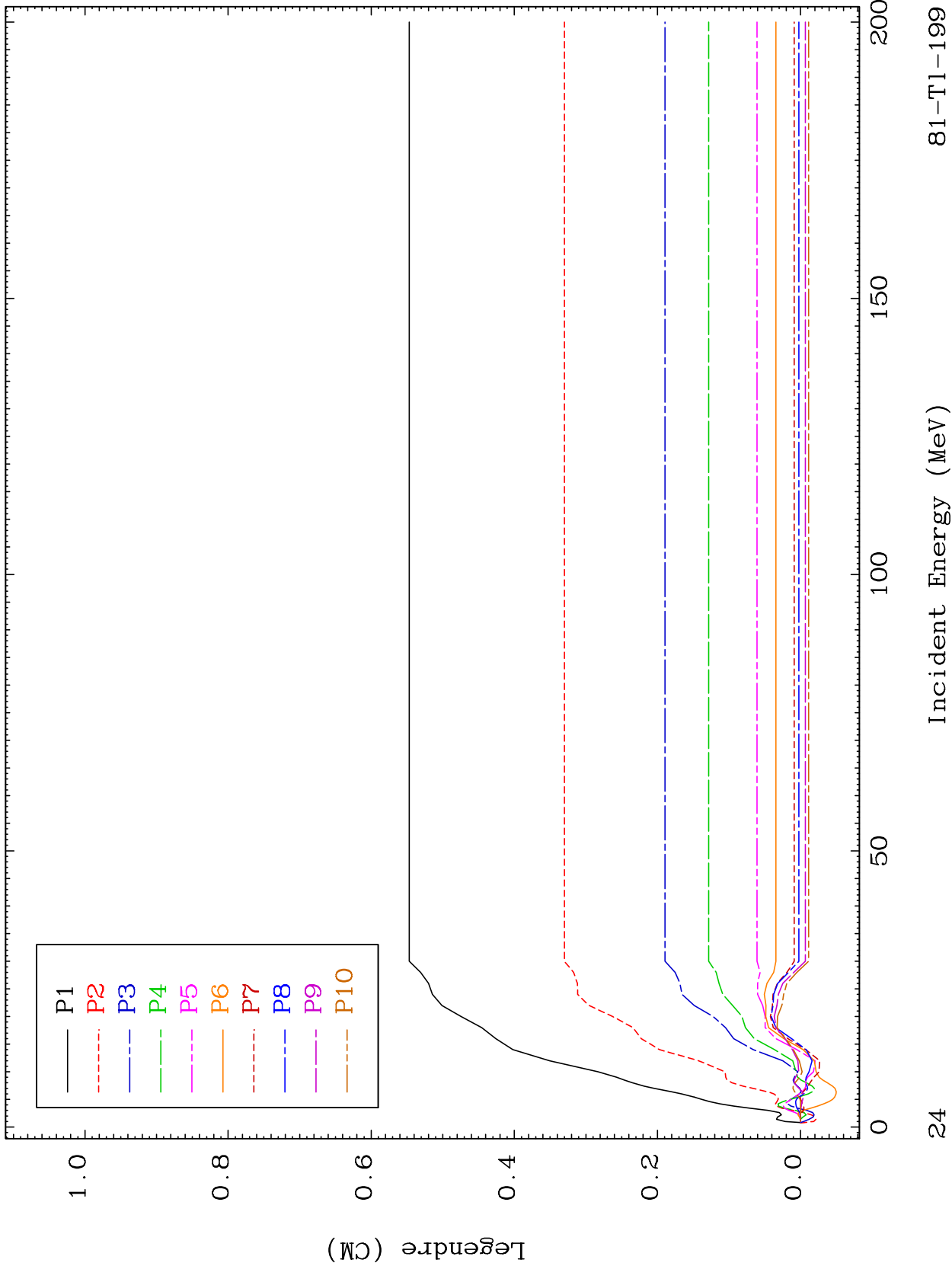




MAT 8113

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

81-T1-199

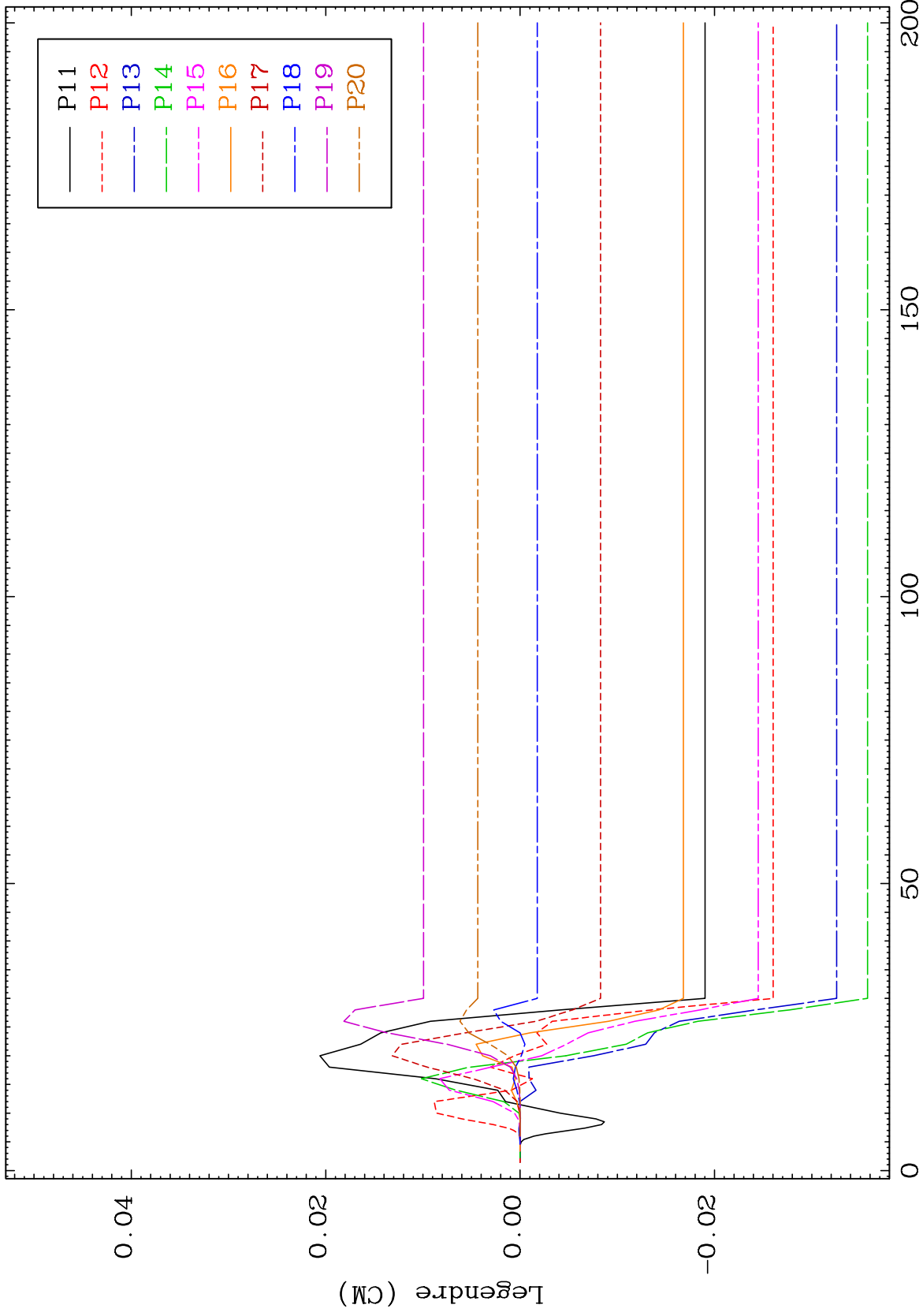


24

MAT 81113

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

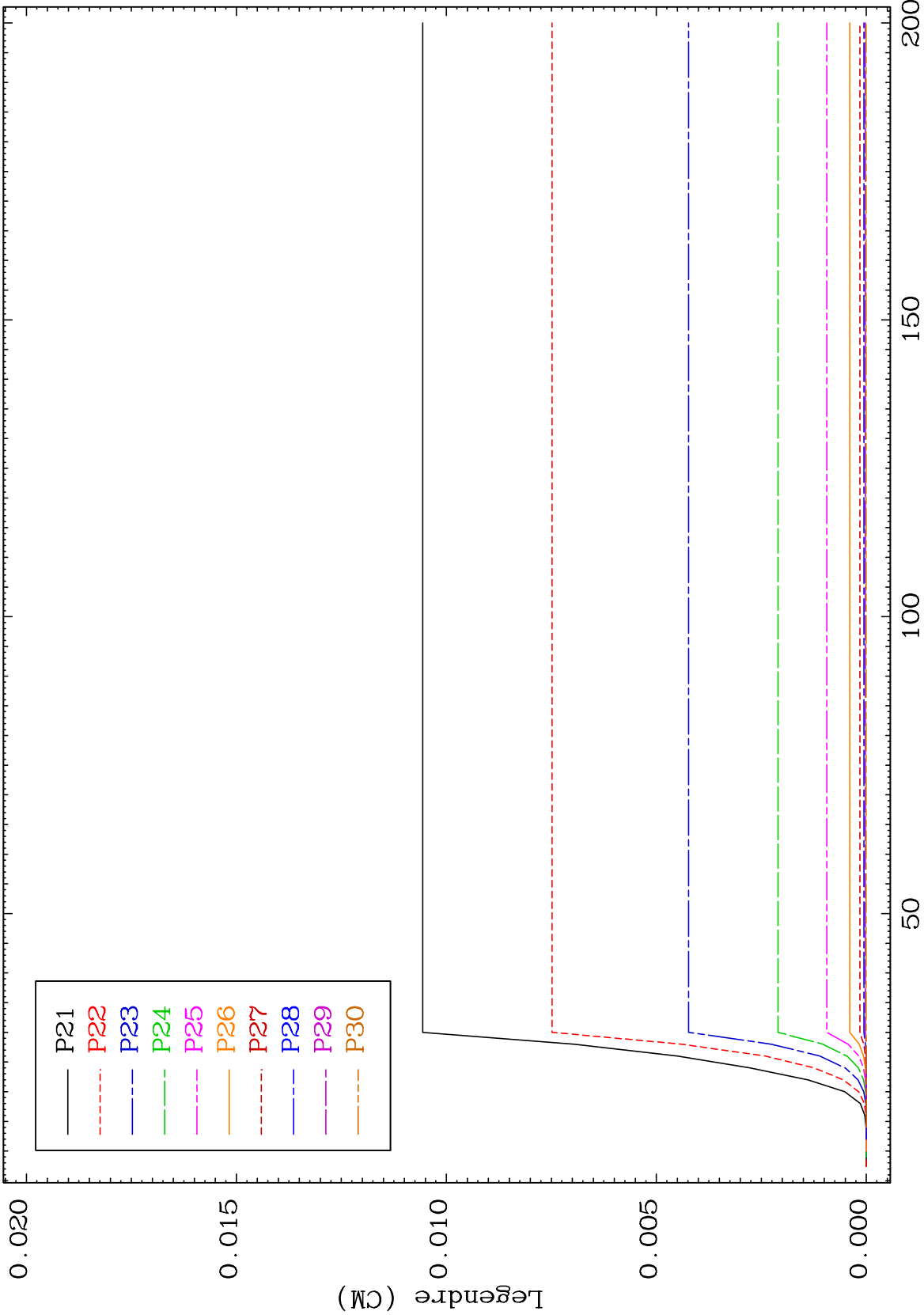
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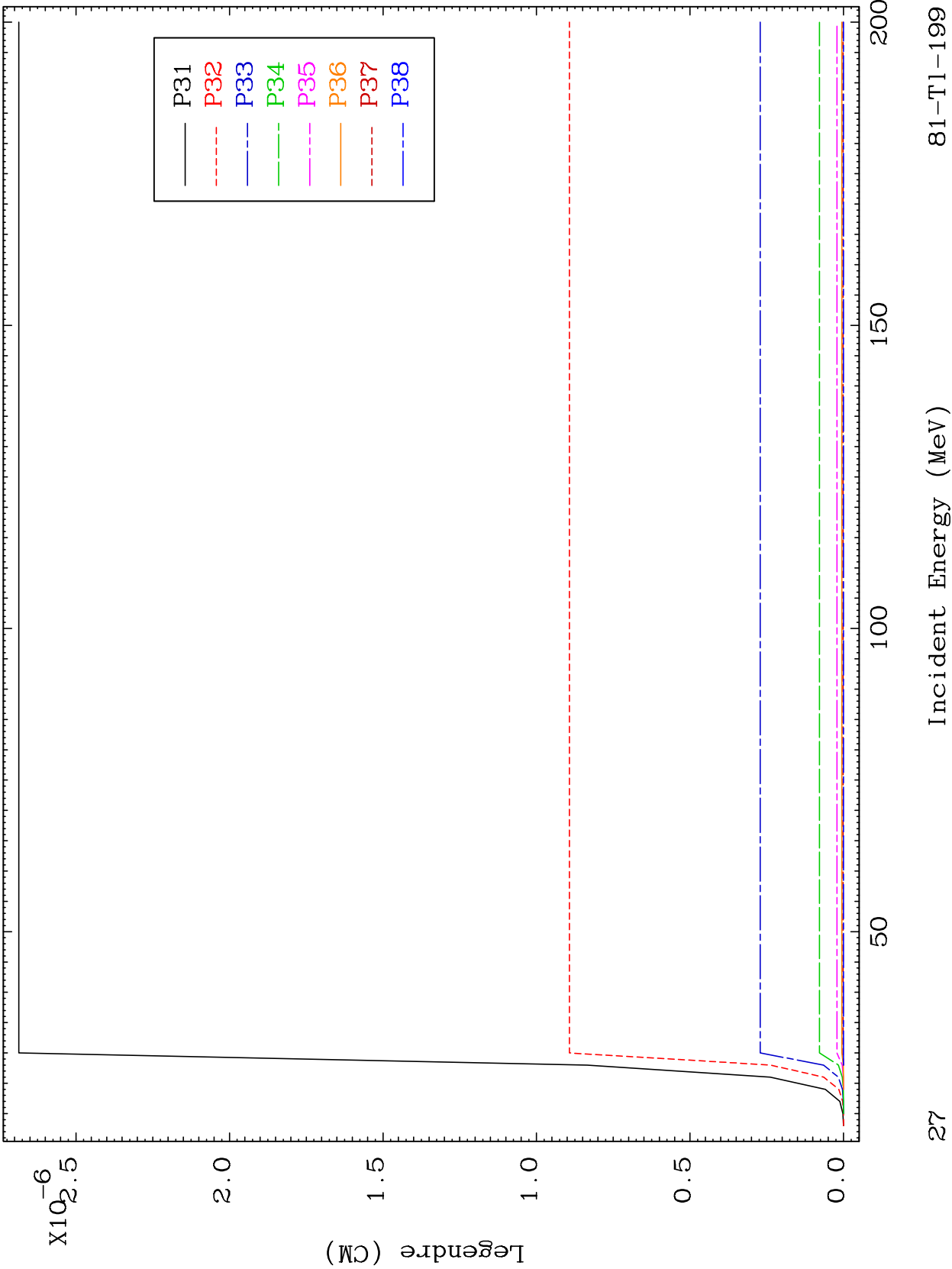


81-T1-199

Incident Energy (MeV)

25



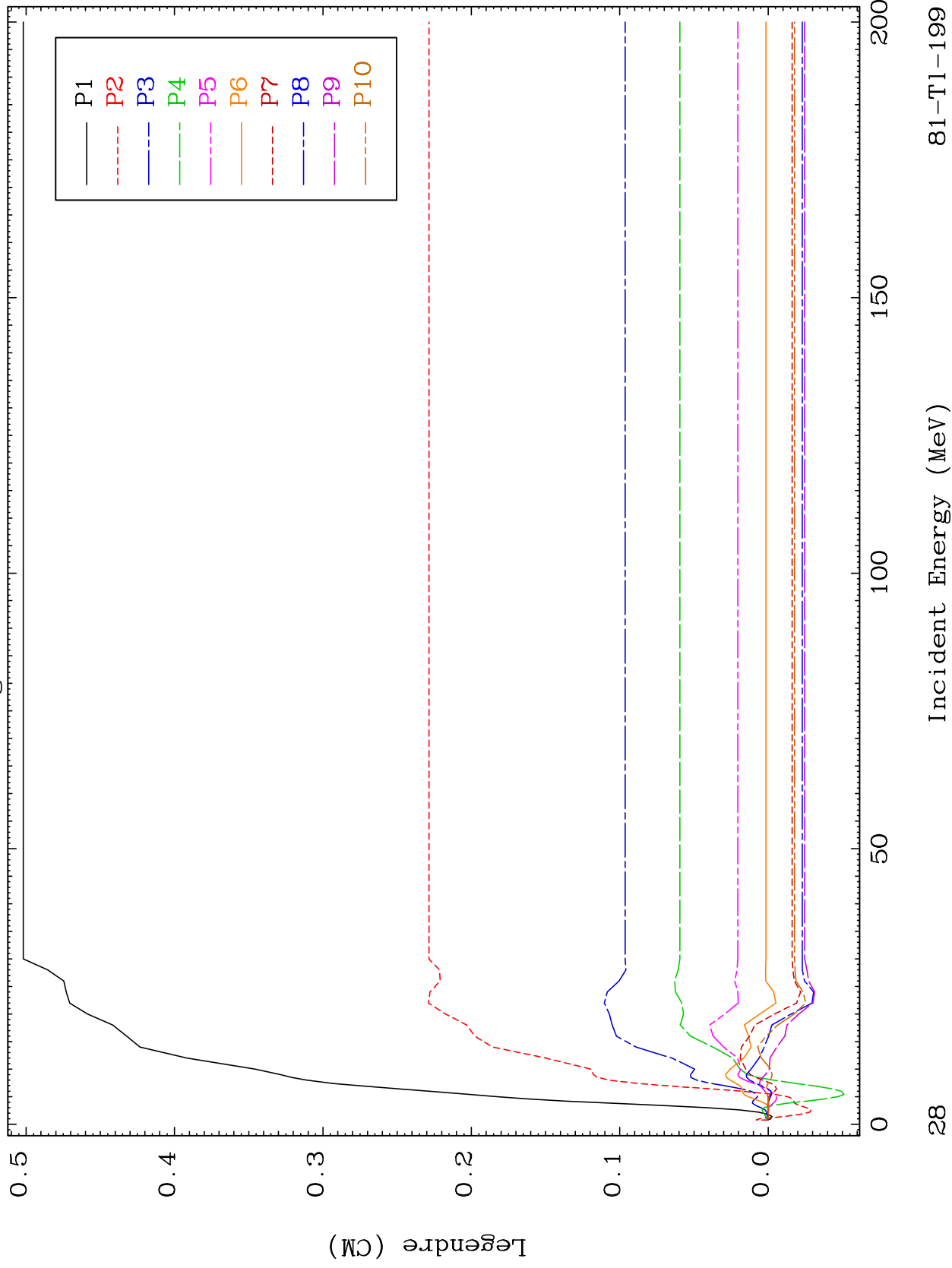


MAT 81113

MT= 53 (n,n') Level

81-Tl-199

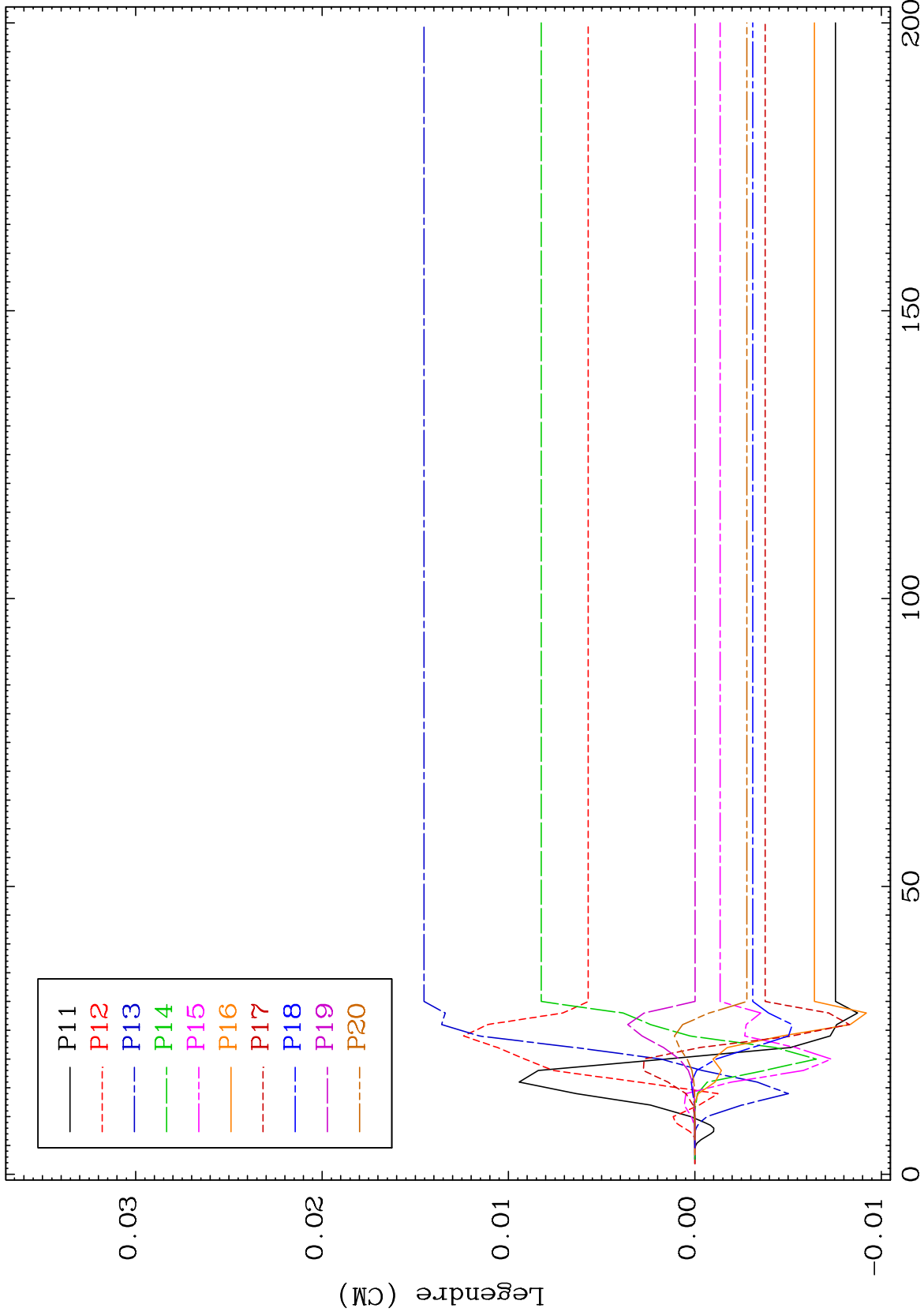
Legendre Coefficients



MAT 8113

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

81-T1-199



29

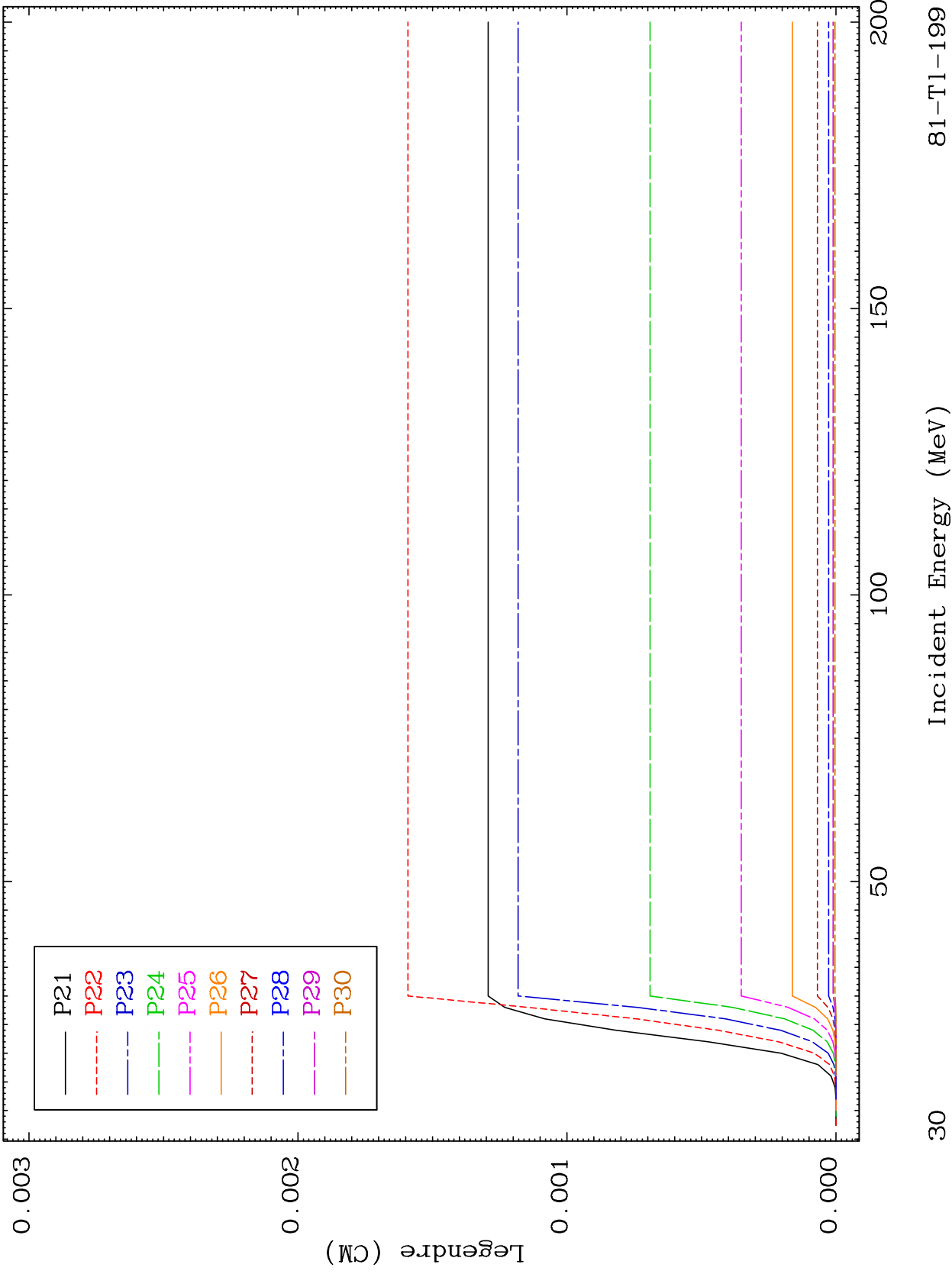
Incident Energy (MeV)

81-T1-199

MAT 81113

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

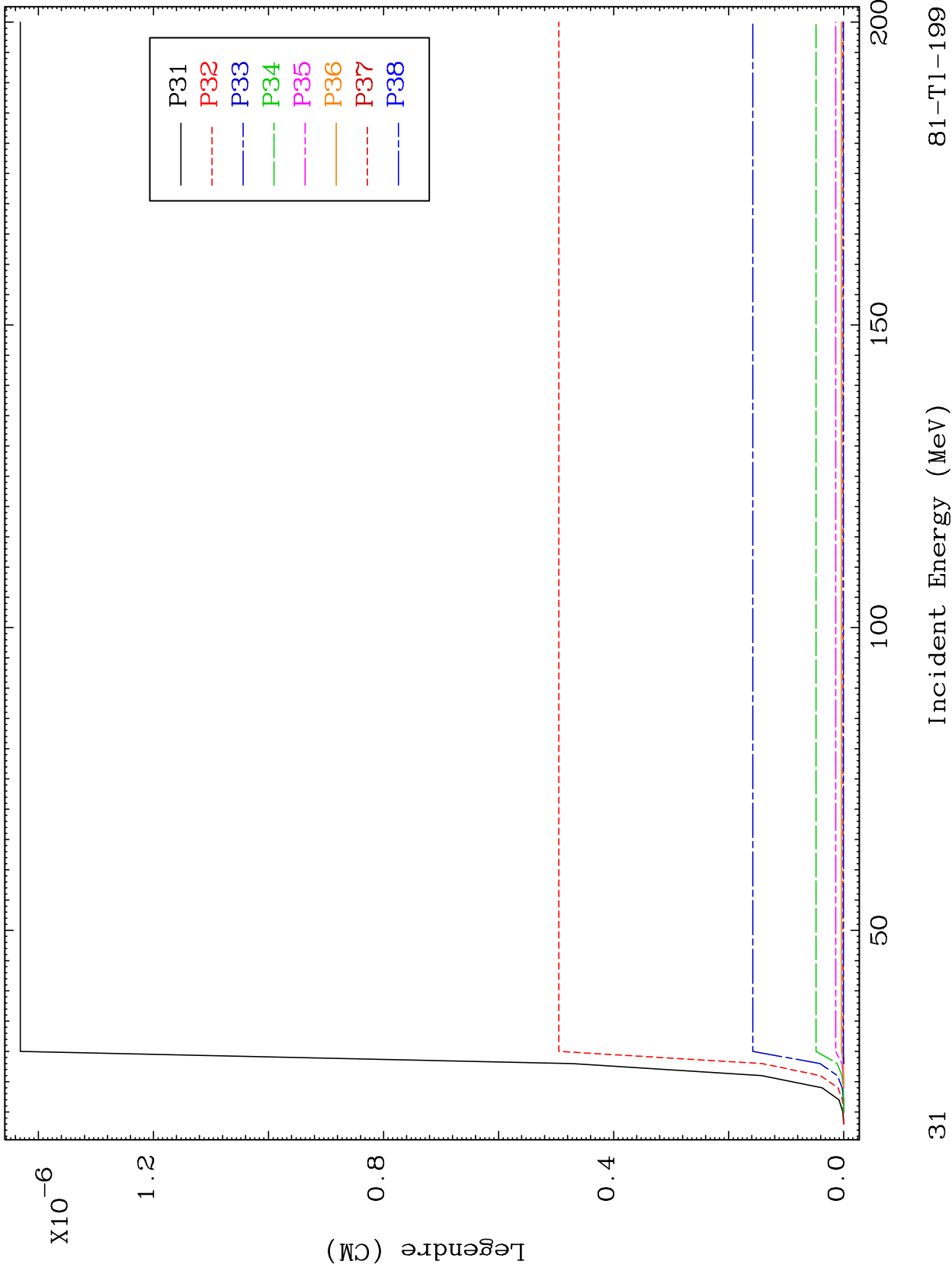
81-T1-199



MAT 81113

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

81-T1-199



31

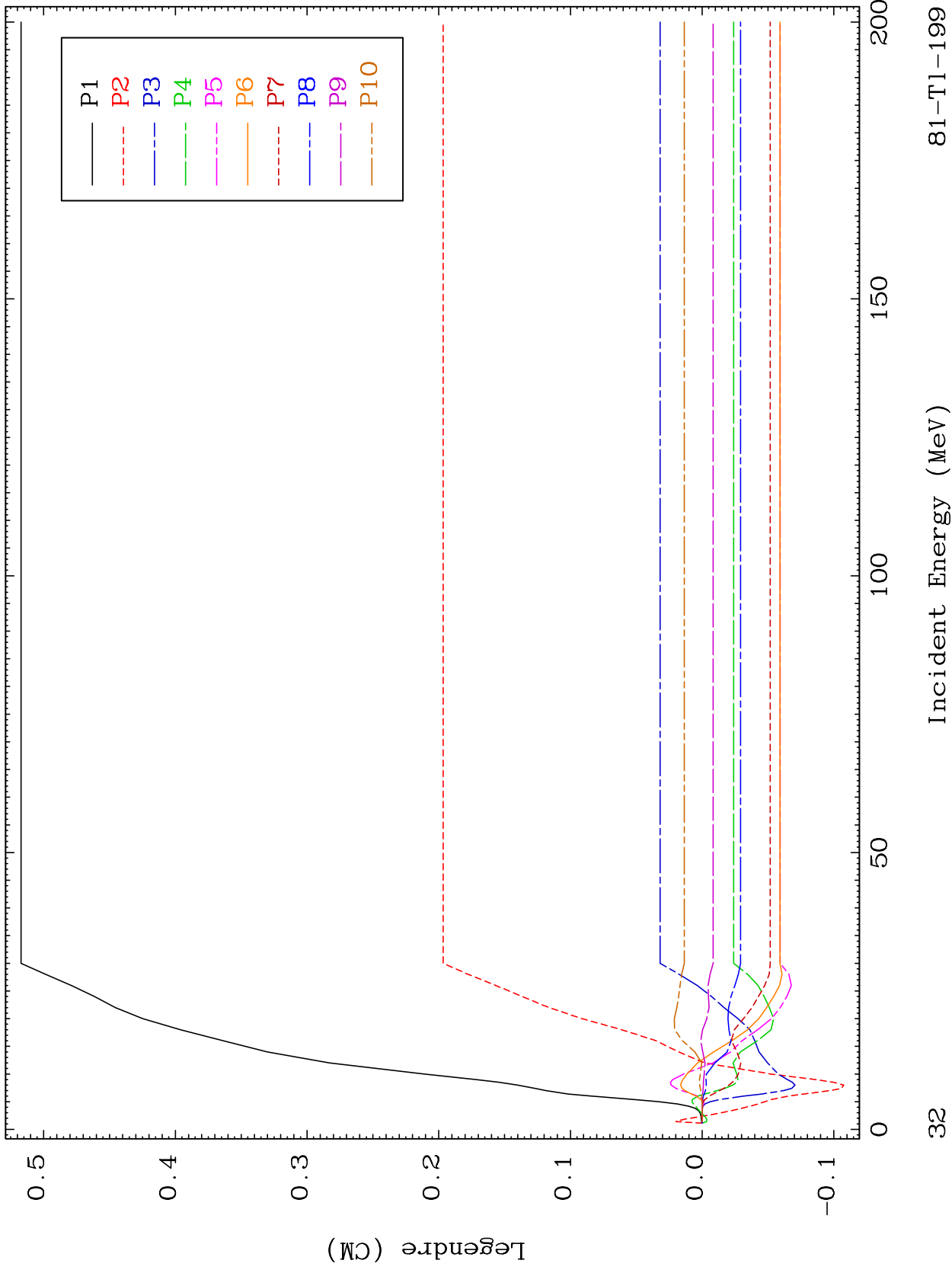
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-Tl-199



81-Tl-199

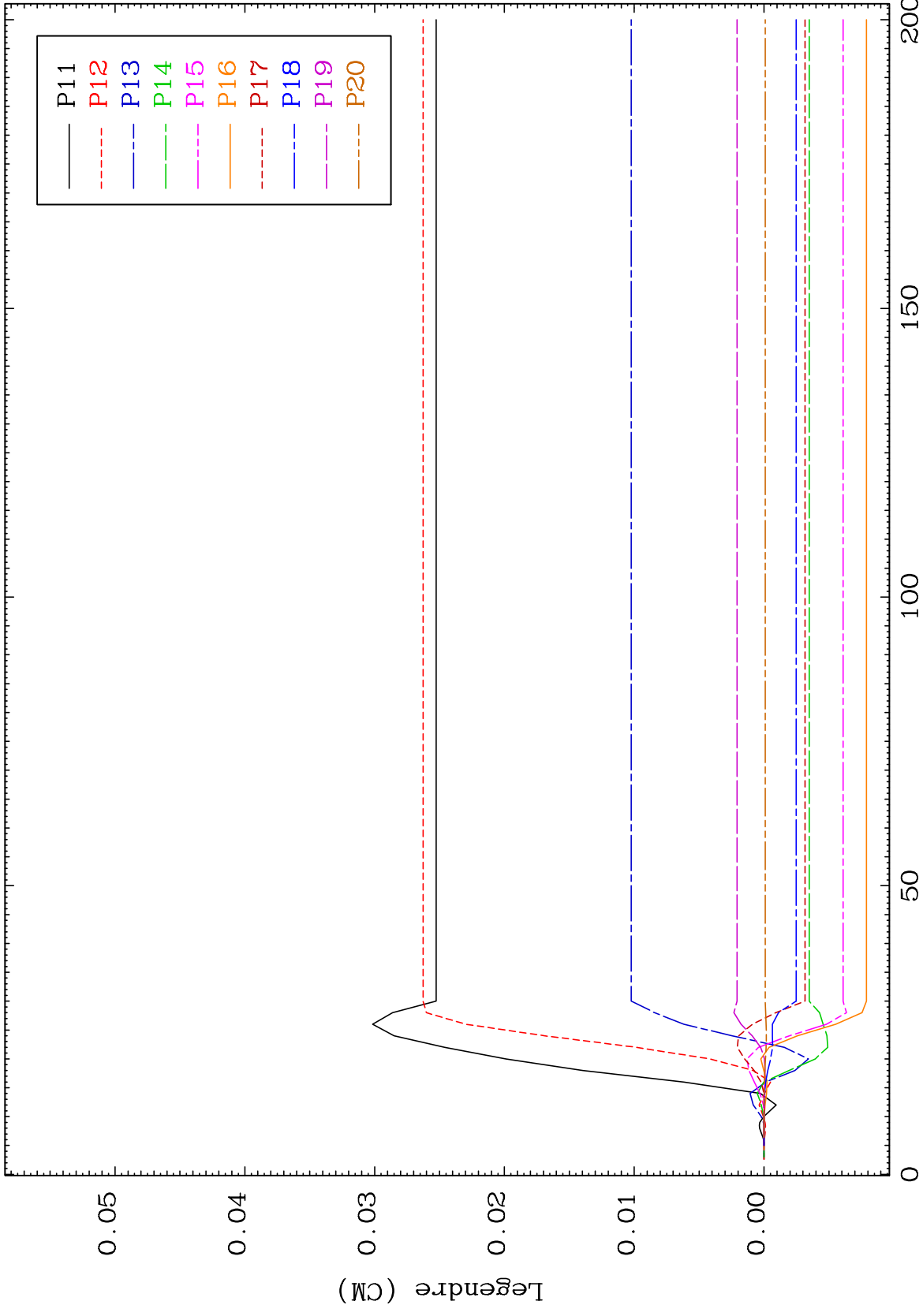
Incident Energy (MeV)

32

MAT 81113

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

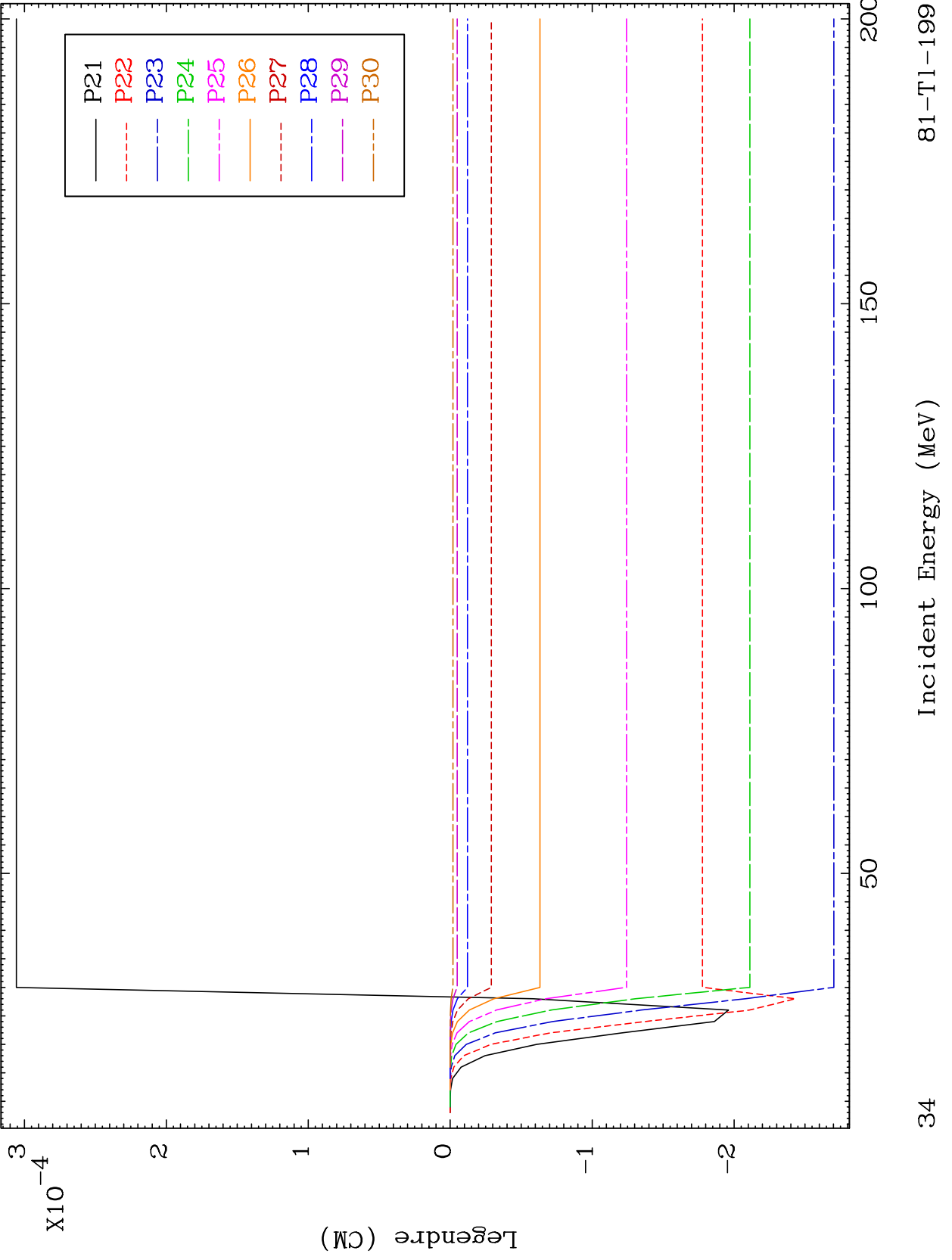
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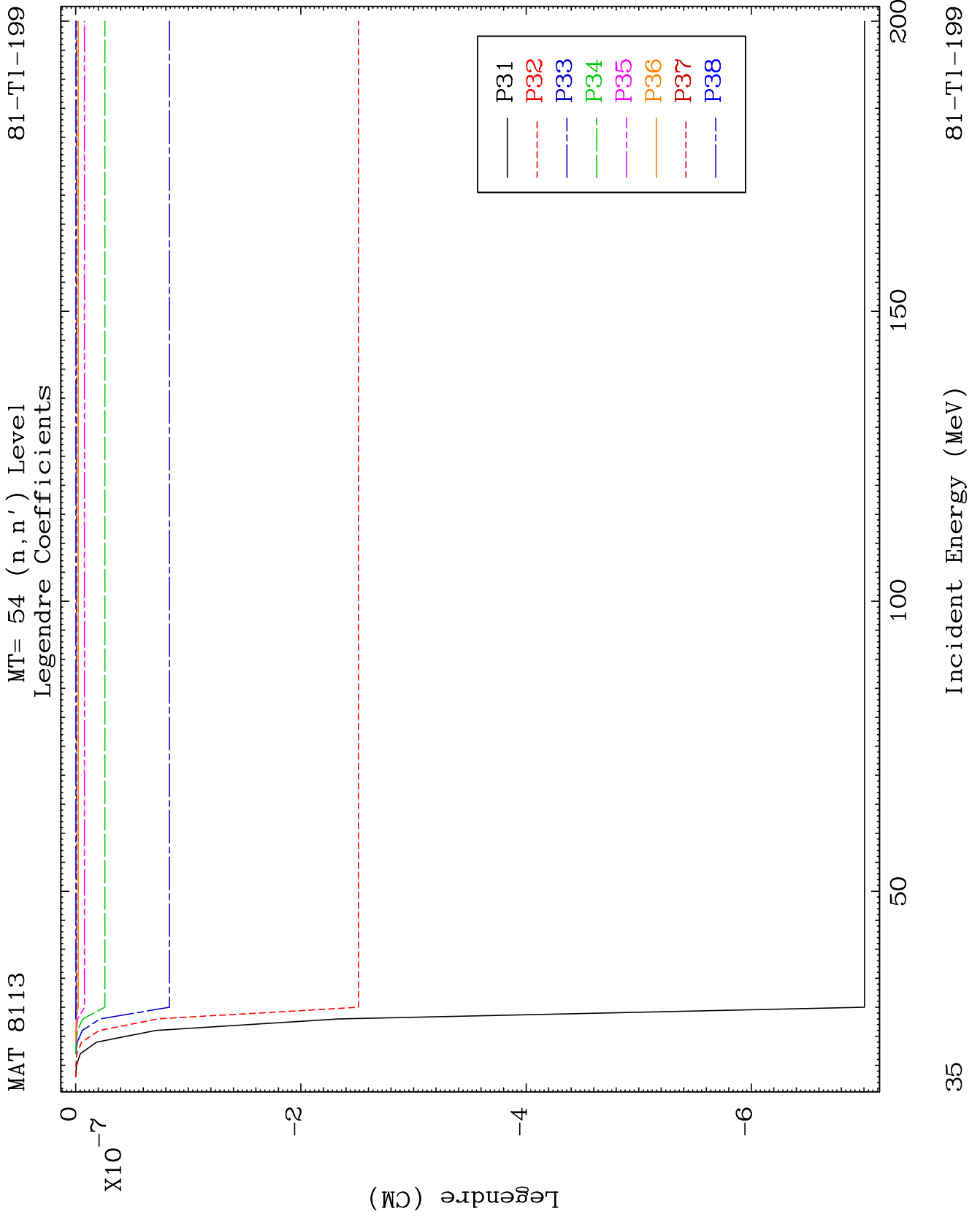


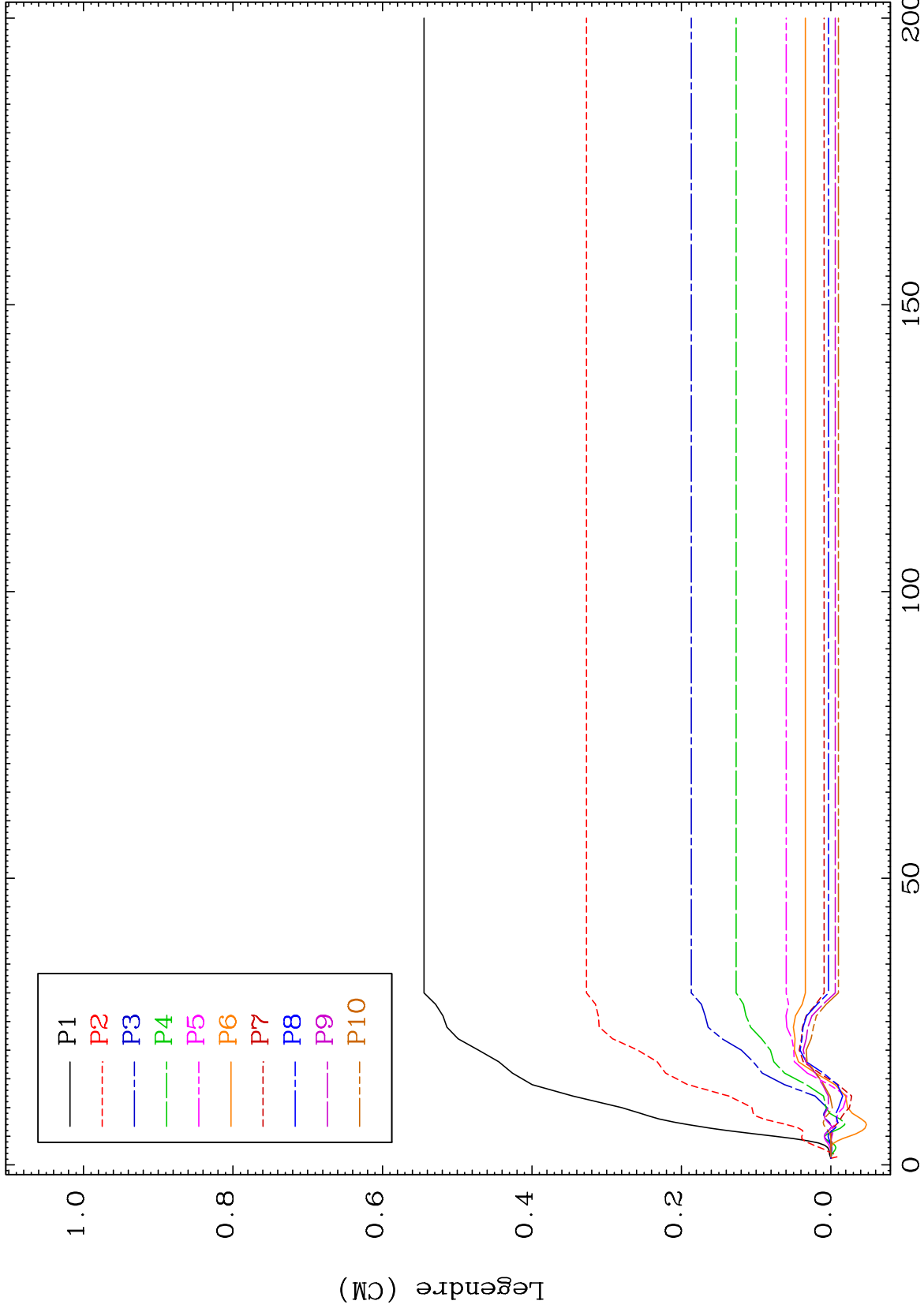
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Incident Energy (MeV)

81-T1-199



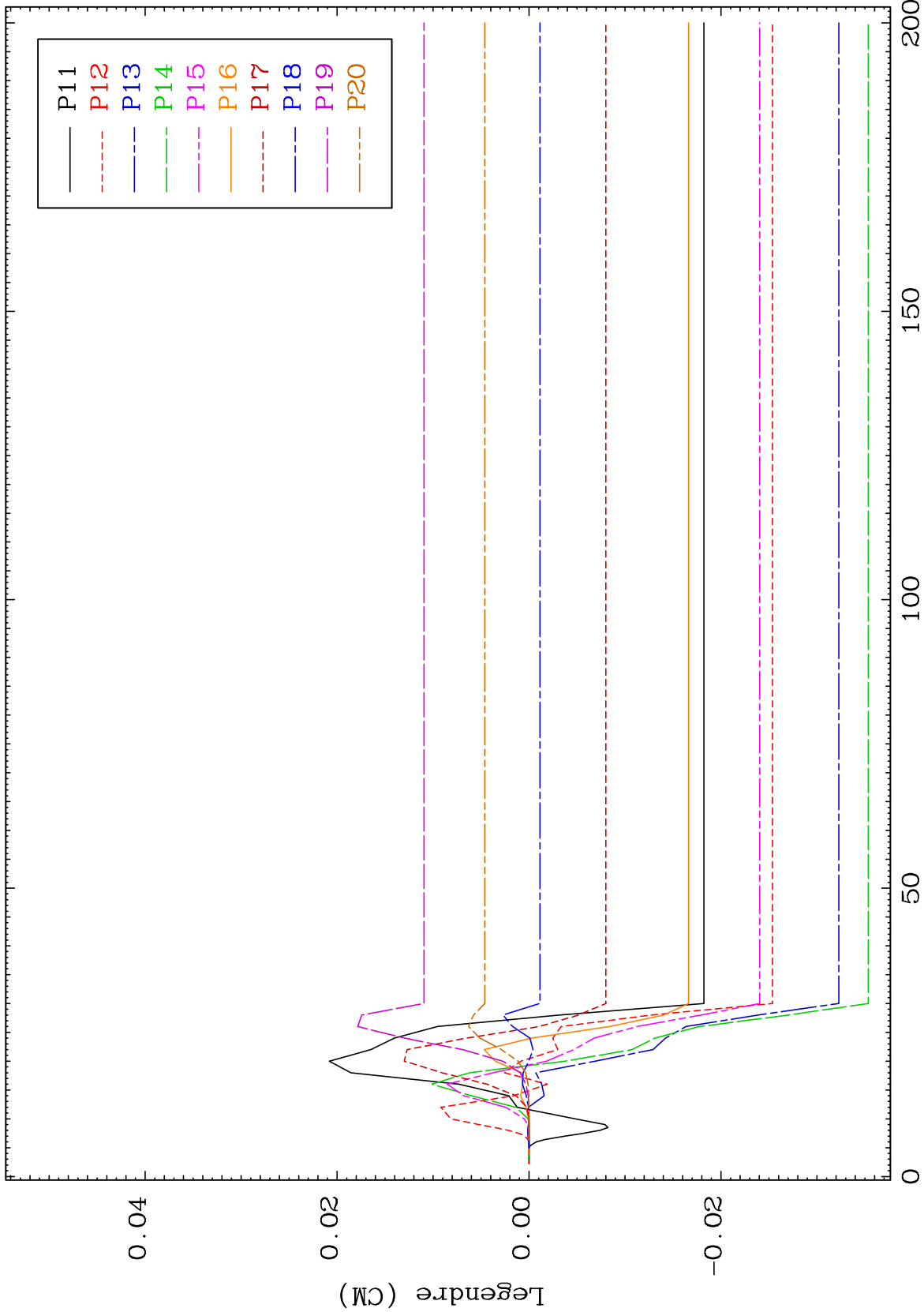




MAT 81113

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

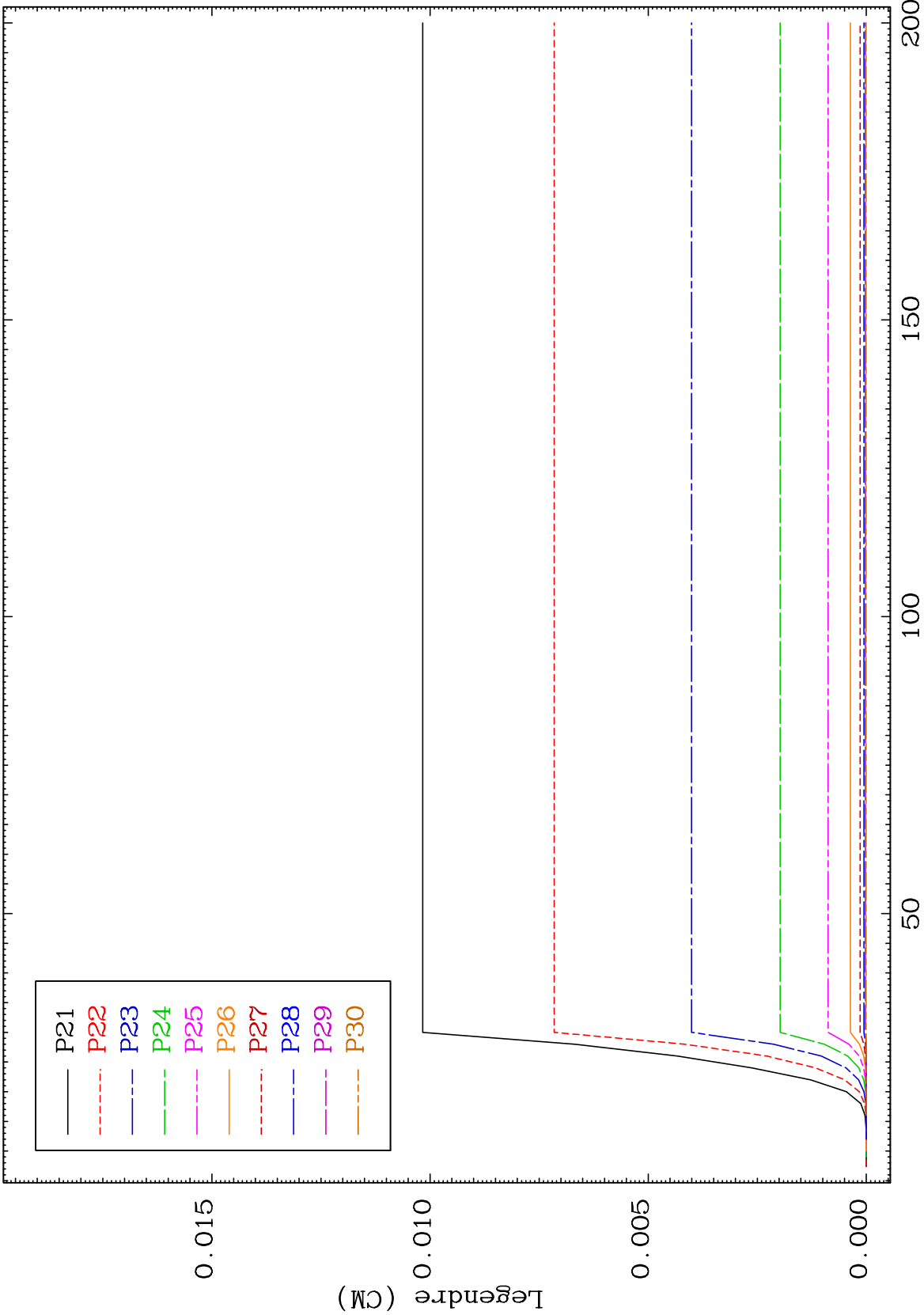
81-T1-199



37

Incident Energy (MeV)

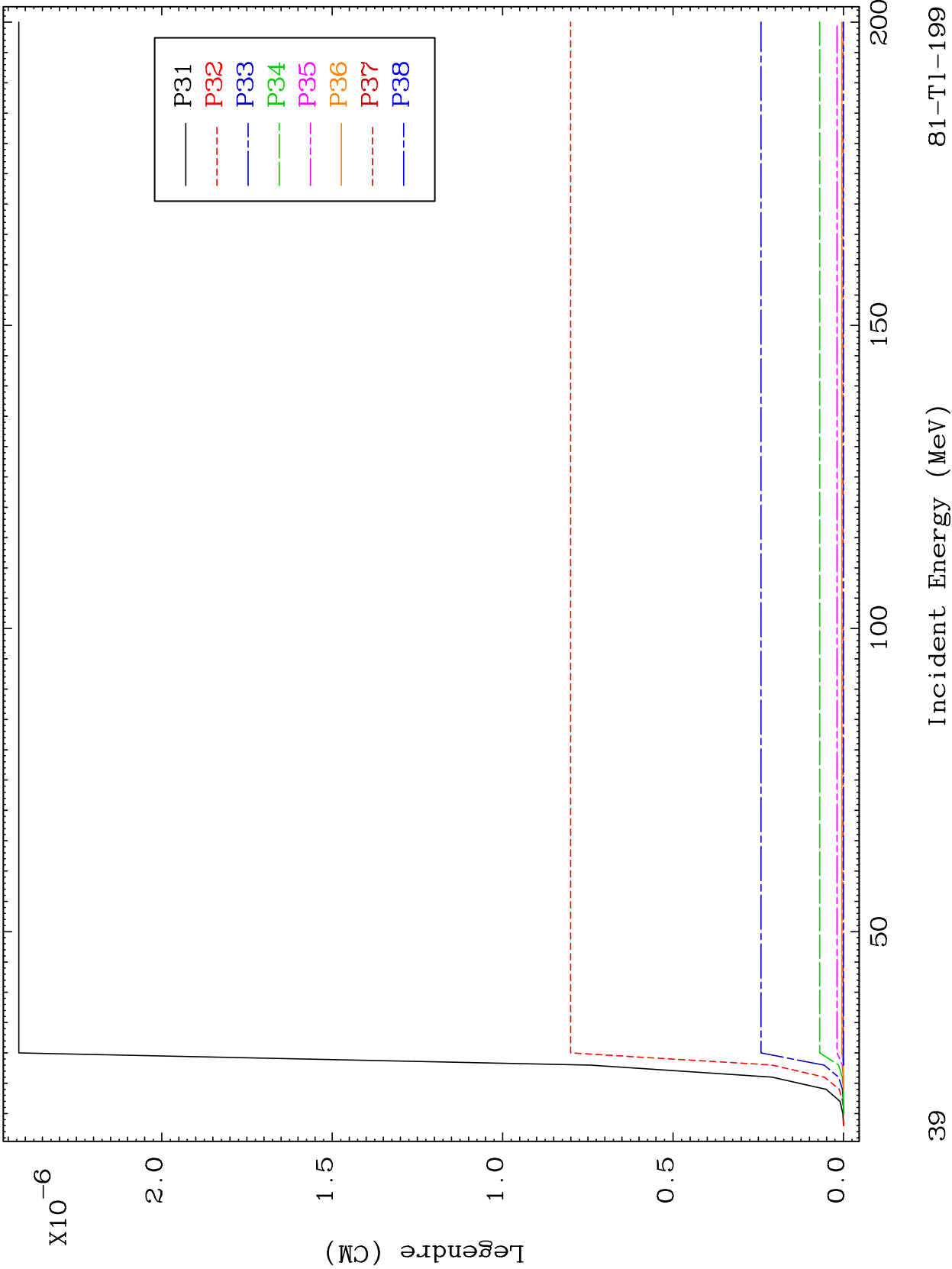
81-T1-199



MAT 81113

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

81-T1-199



39

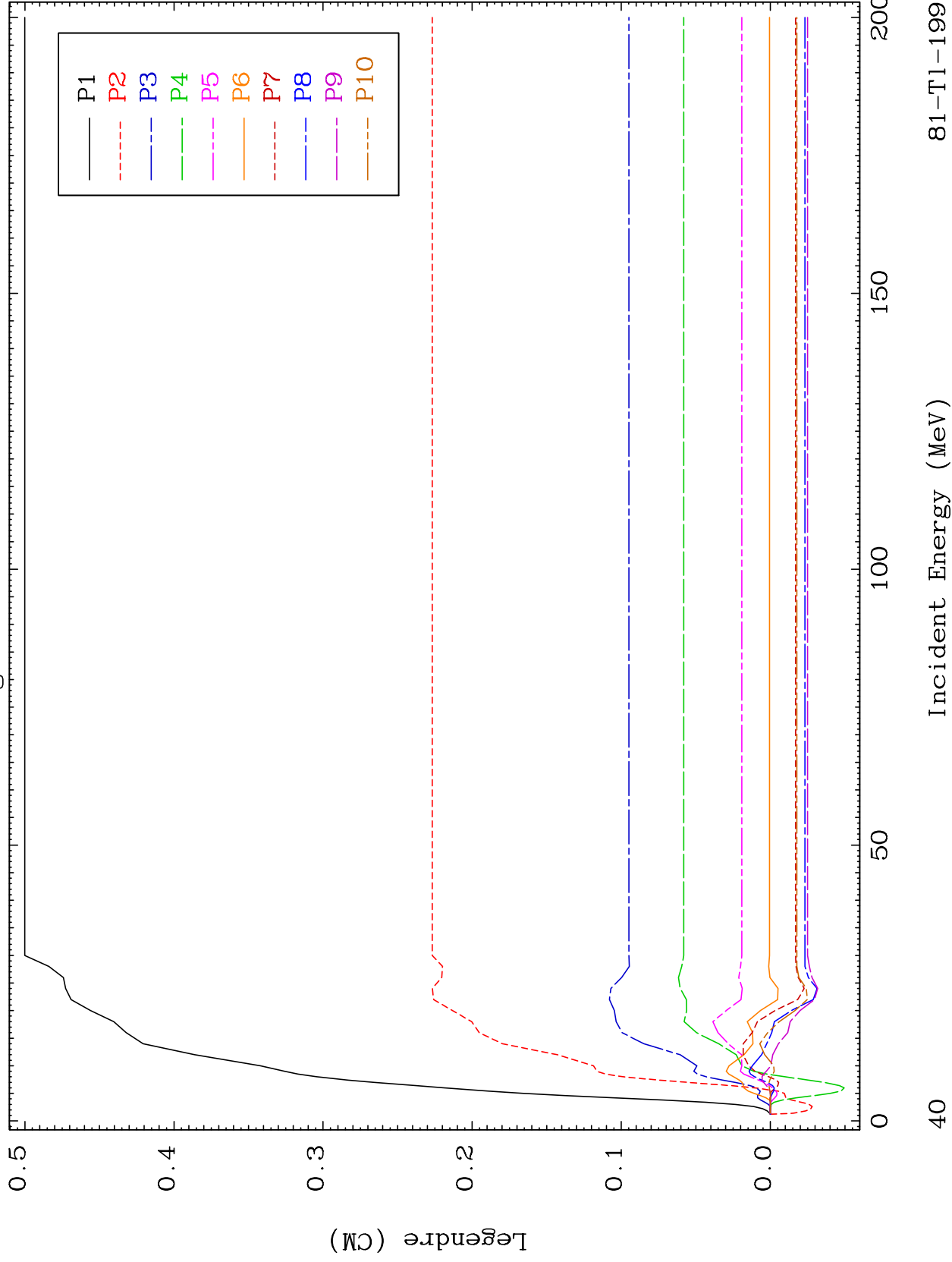
81-T1-199

MAT 81113

MT= 56 (n,n') Level

81-T1-199

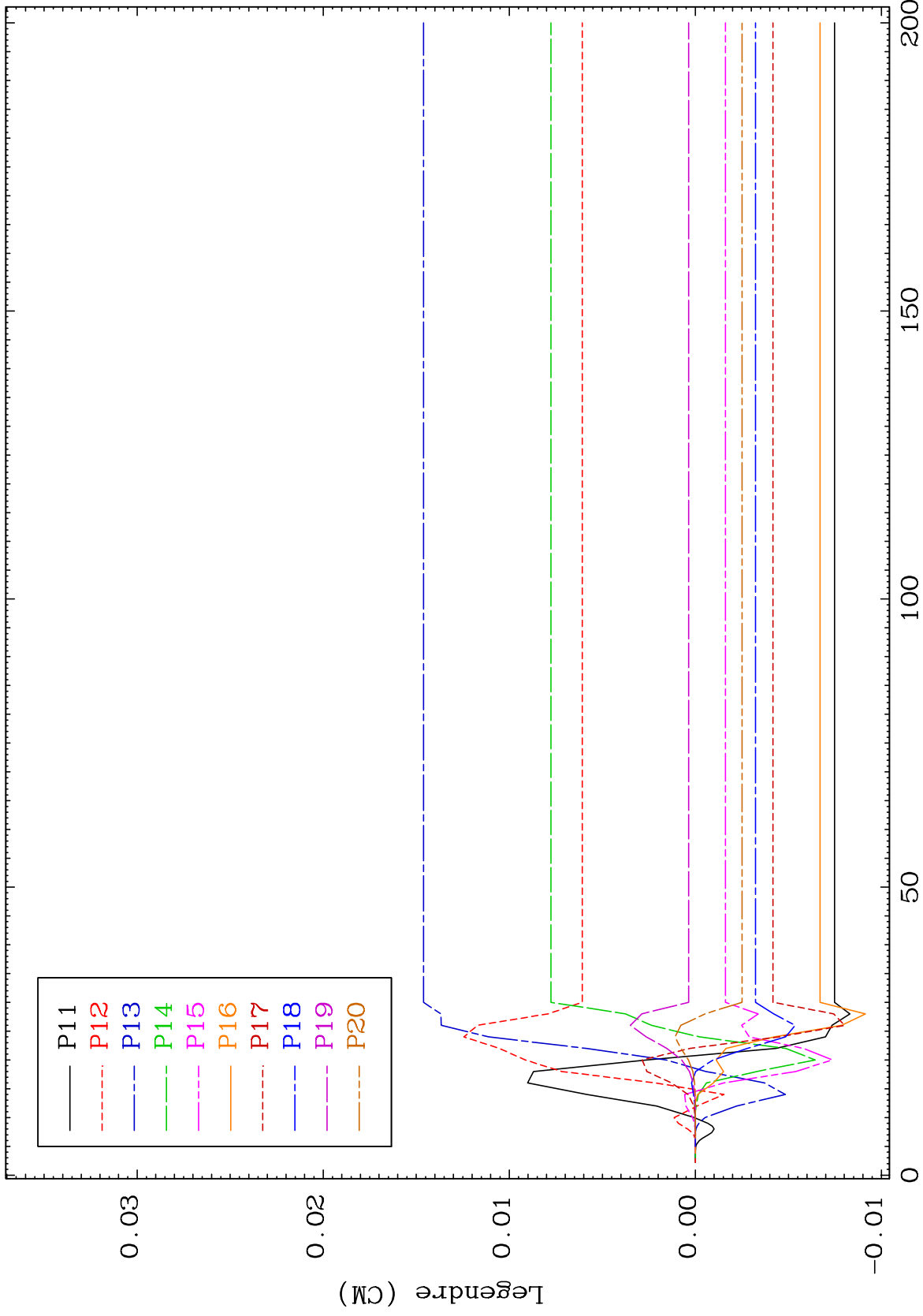
Legendre Coefficients

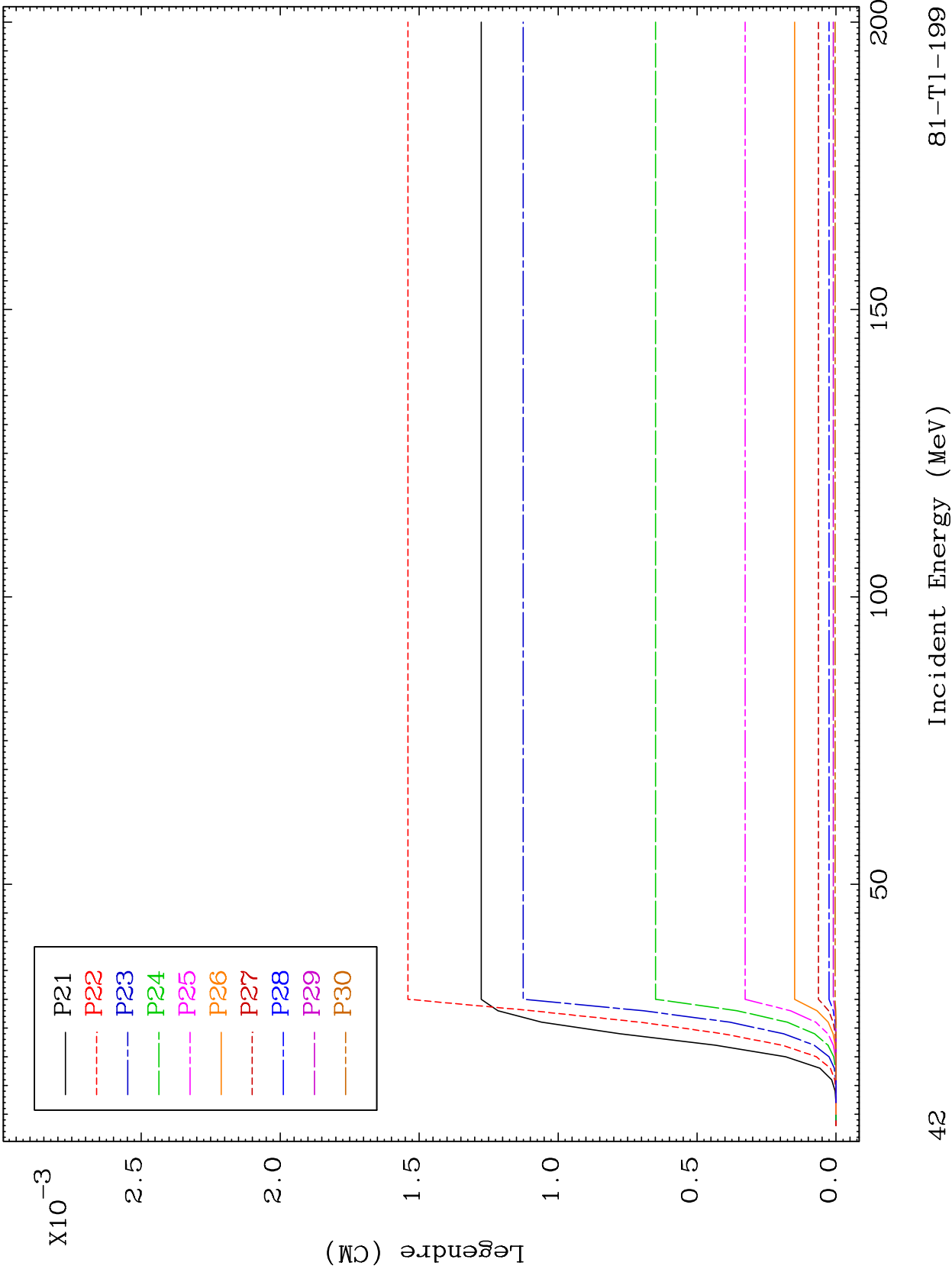


MAT 8113

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

81-T1-199

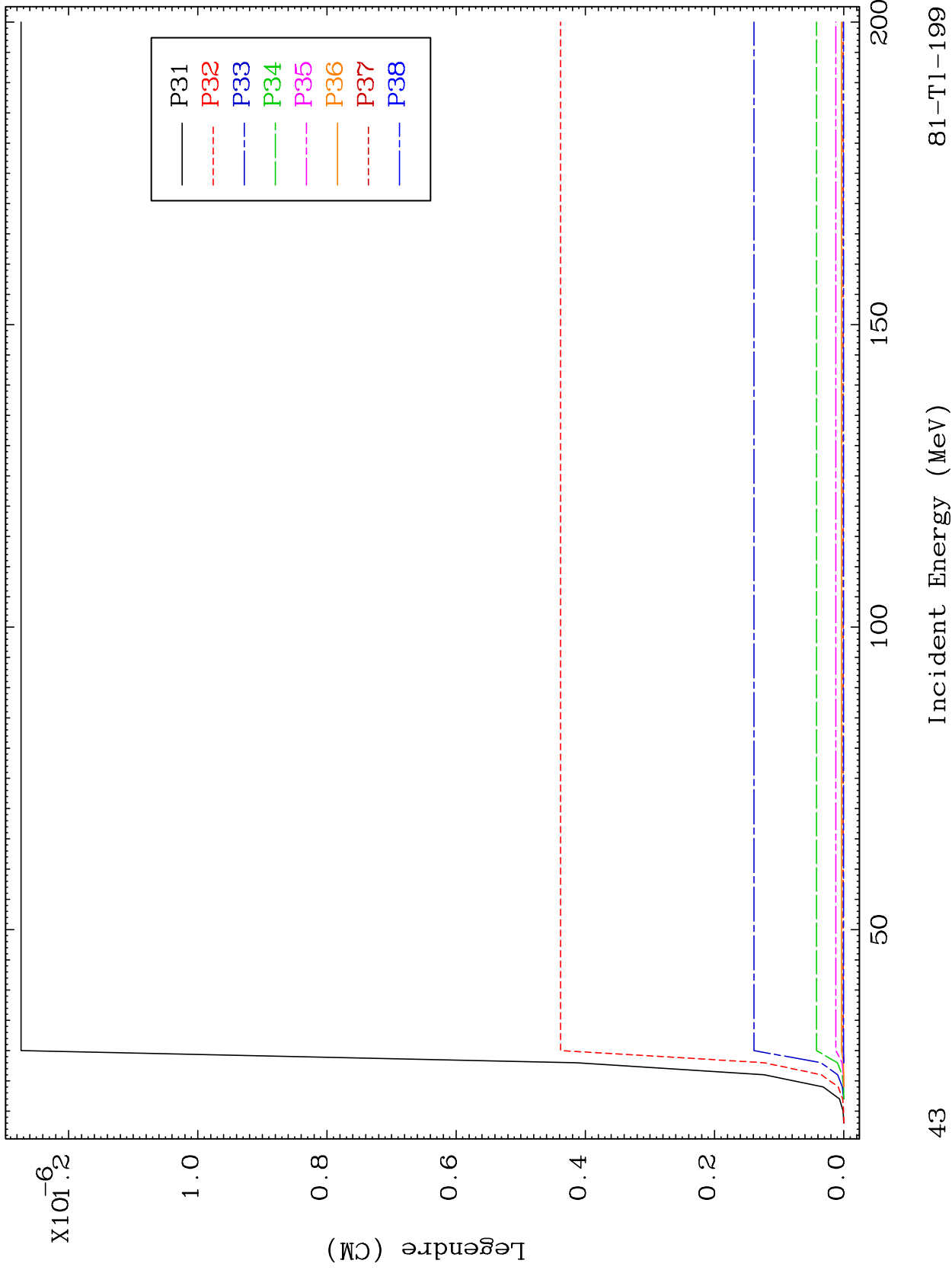




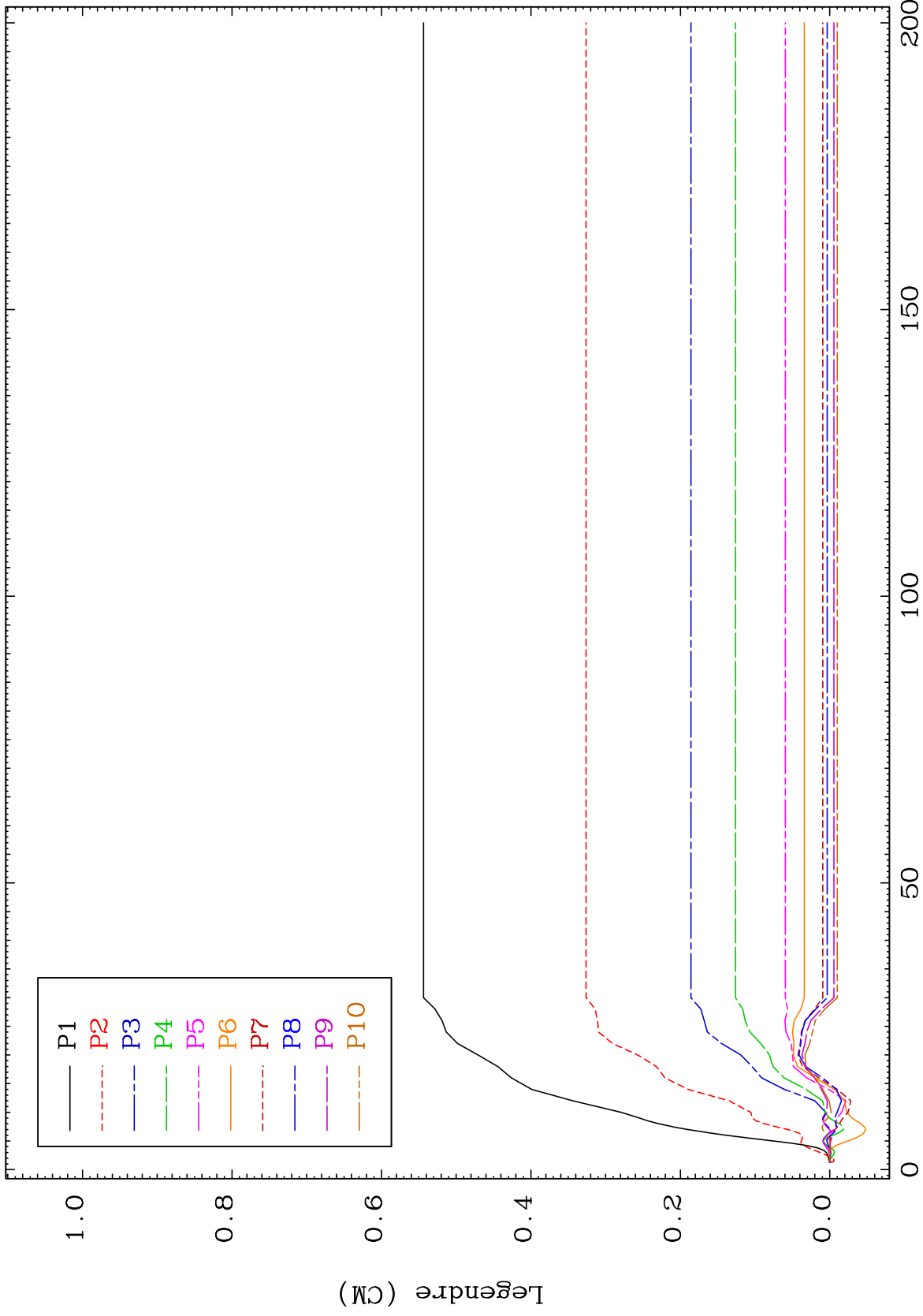
MAT 81113

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

81-T1-199



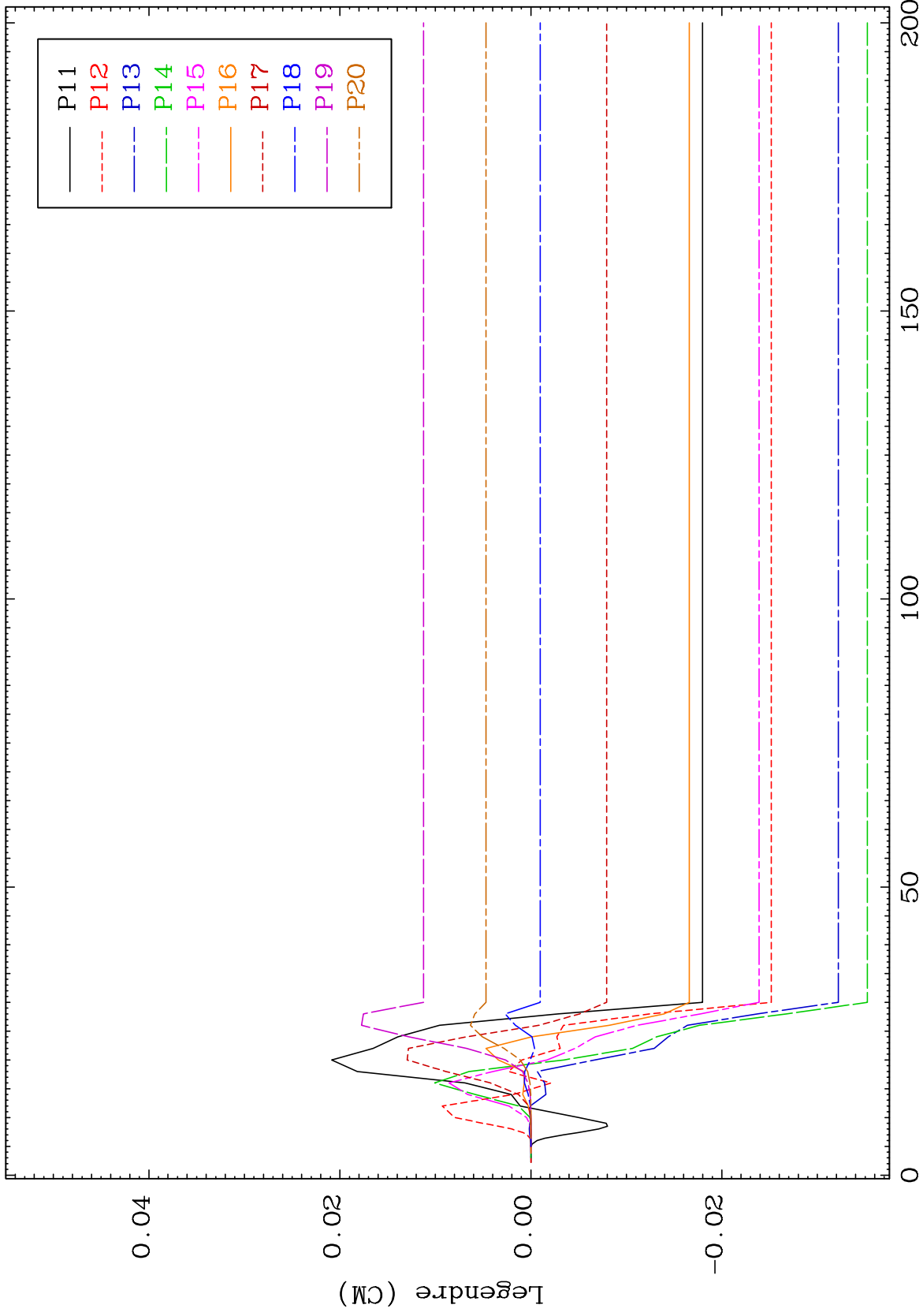
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MAT 81113

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

81-T1-199



45

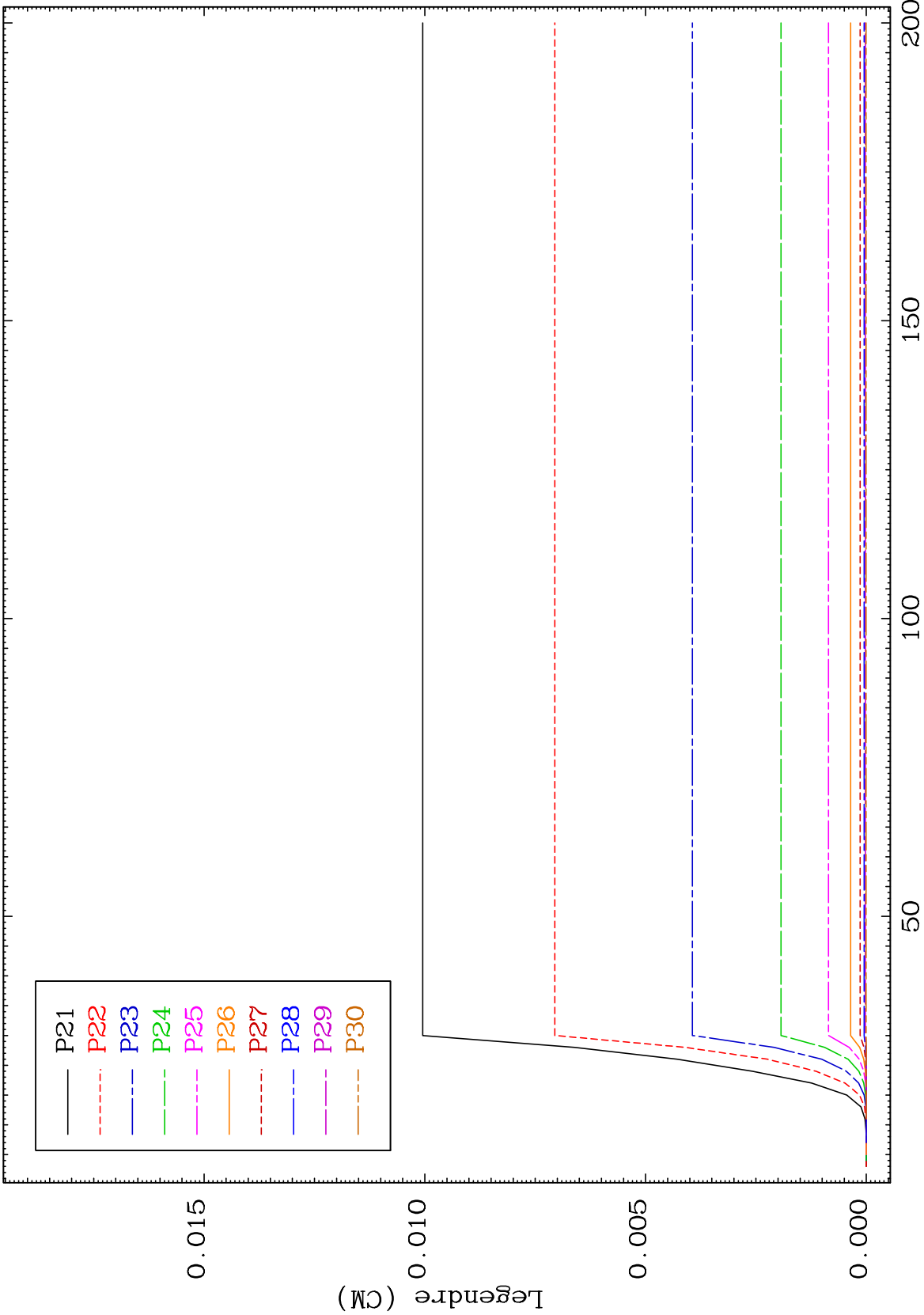
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



46

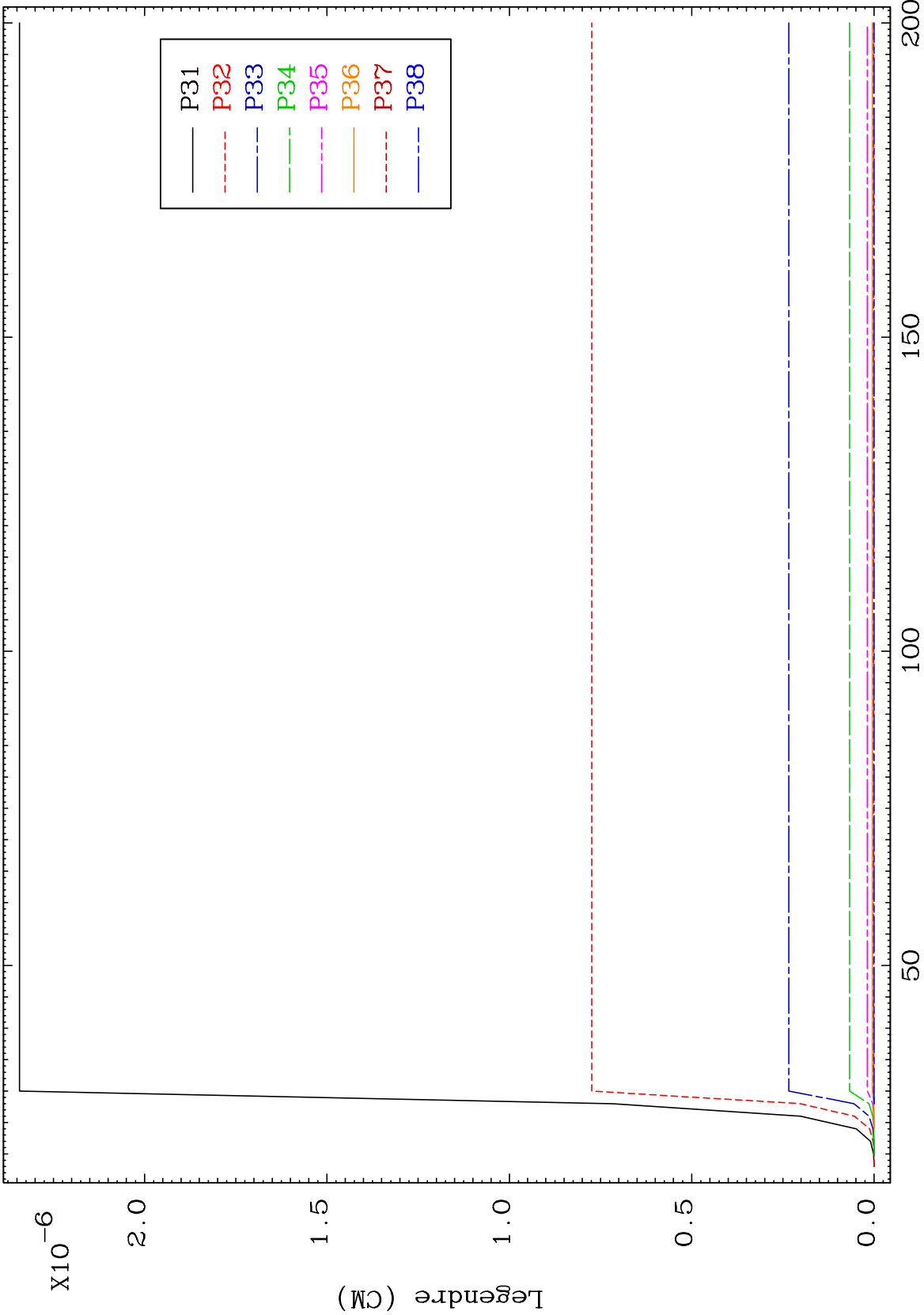
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



47

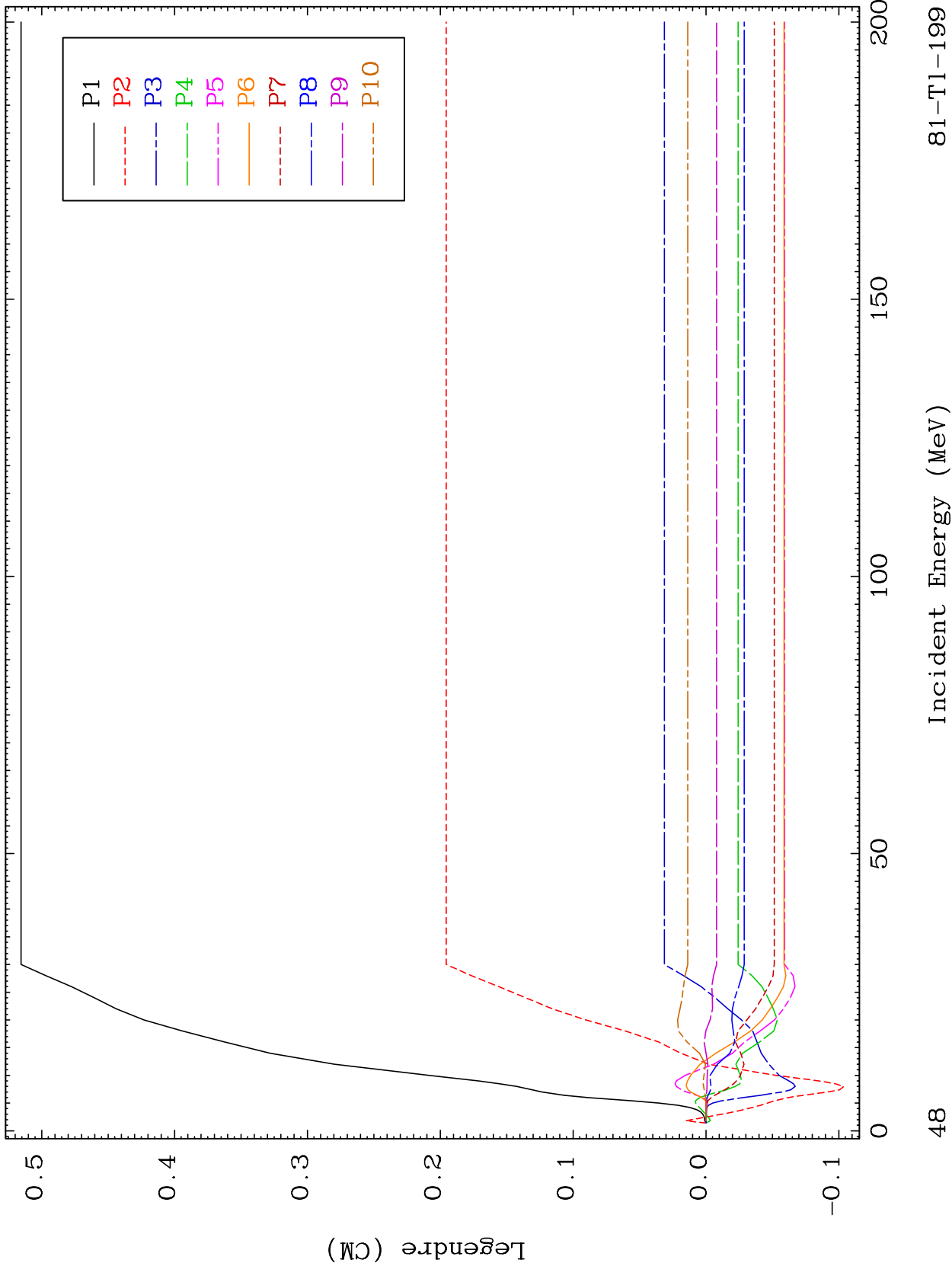
Incident Energy (MeV)

81-T1-199

MAT 81113

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

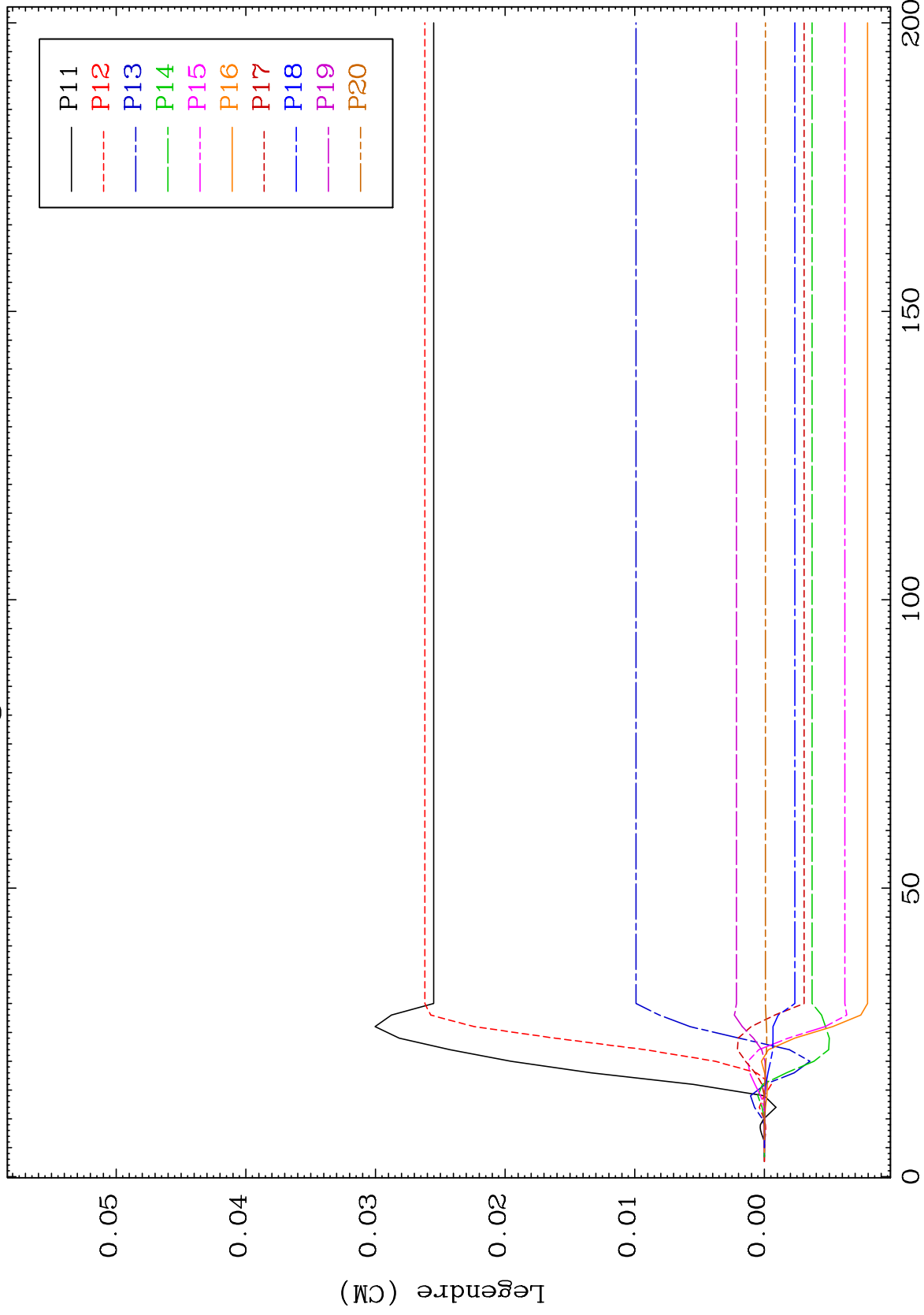
81-T1-199



MAT 81113

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

81-T1-199



49

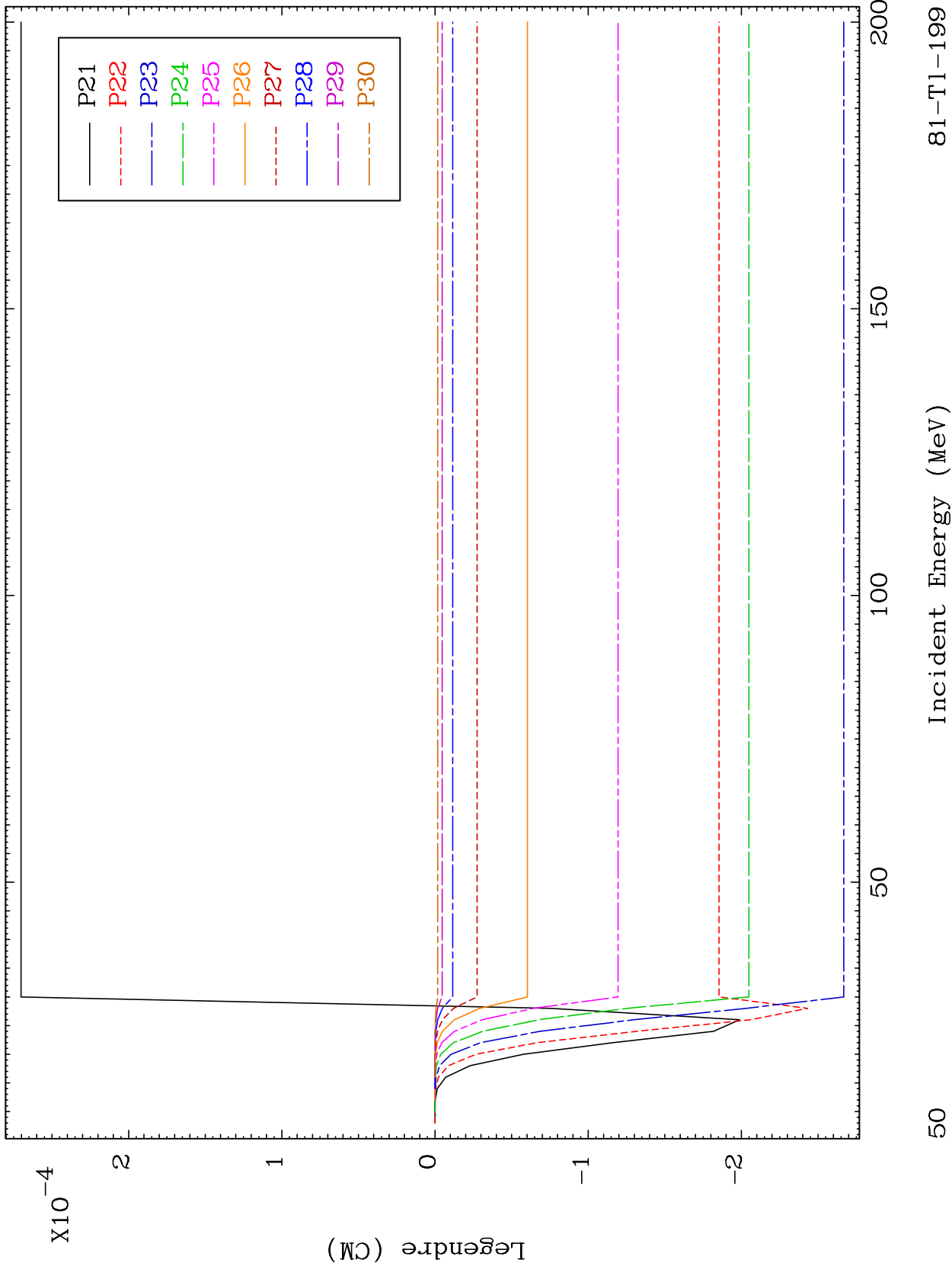
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199

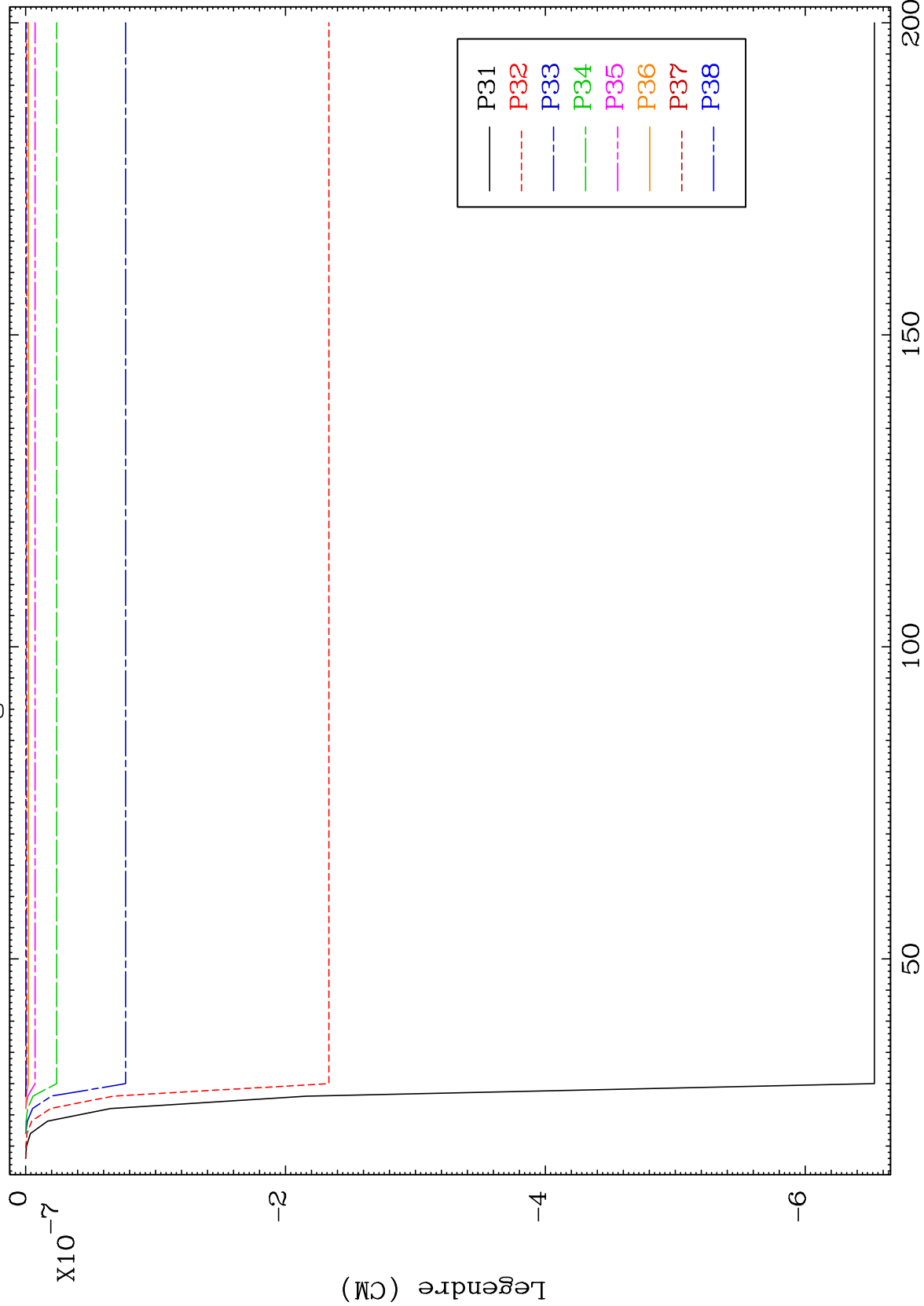


MAT 8113

MT= 58 (n,n') Level

81-Tl-199

Legendre Coefficients



51

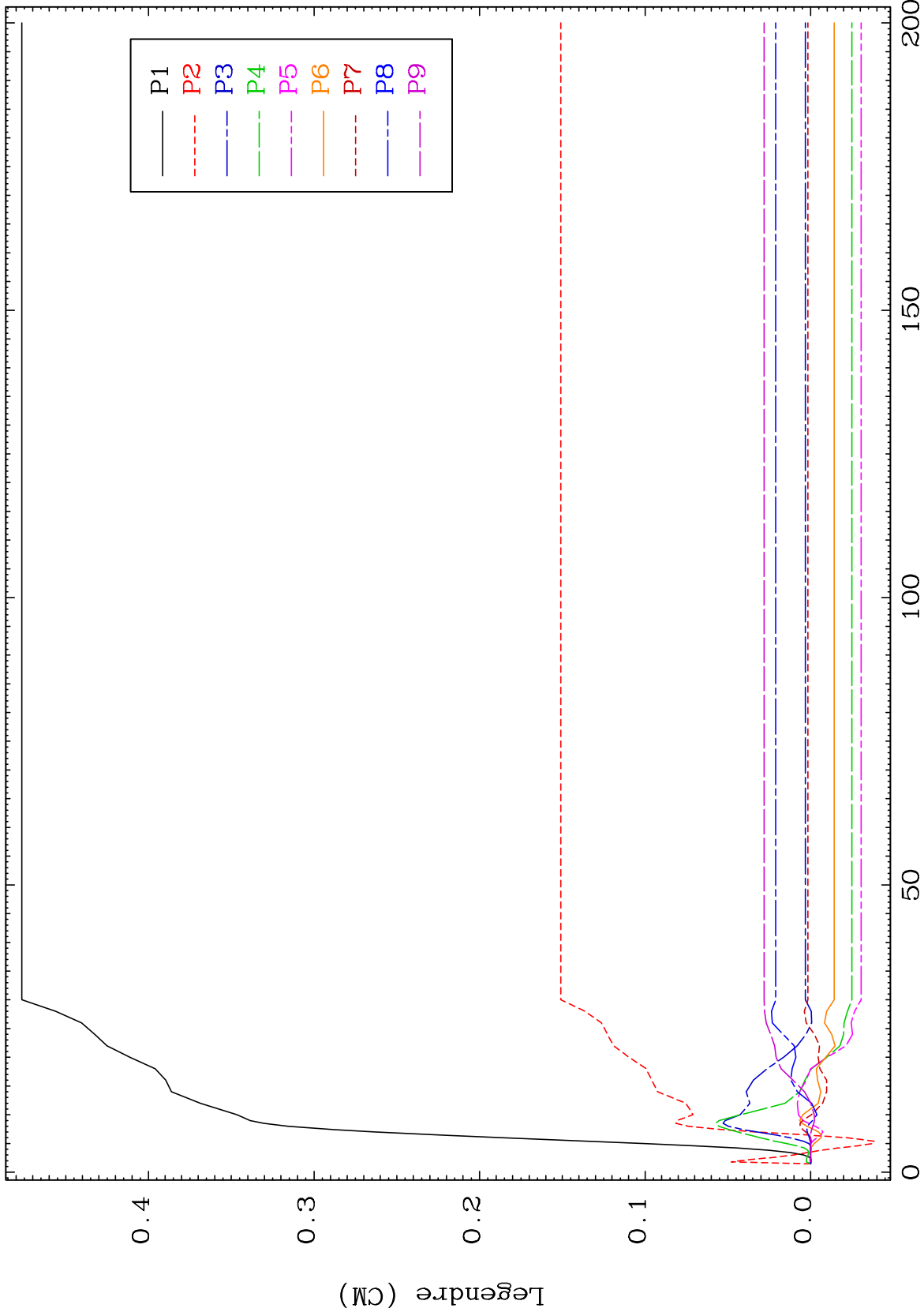
Incident Energy (MeV)

81-Tl-199

MAT 8113

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

81-T1-199



81-T1-199

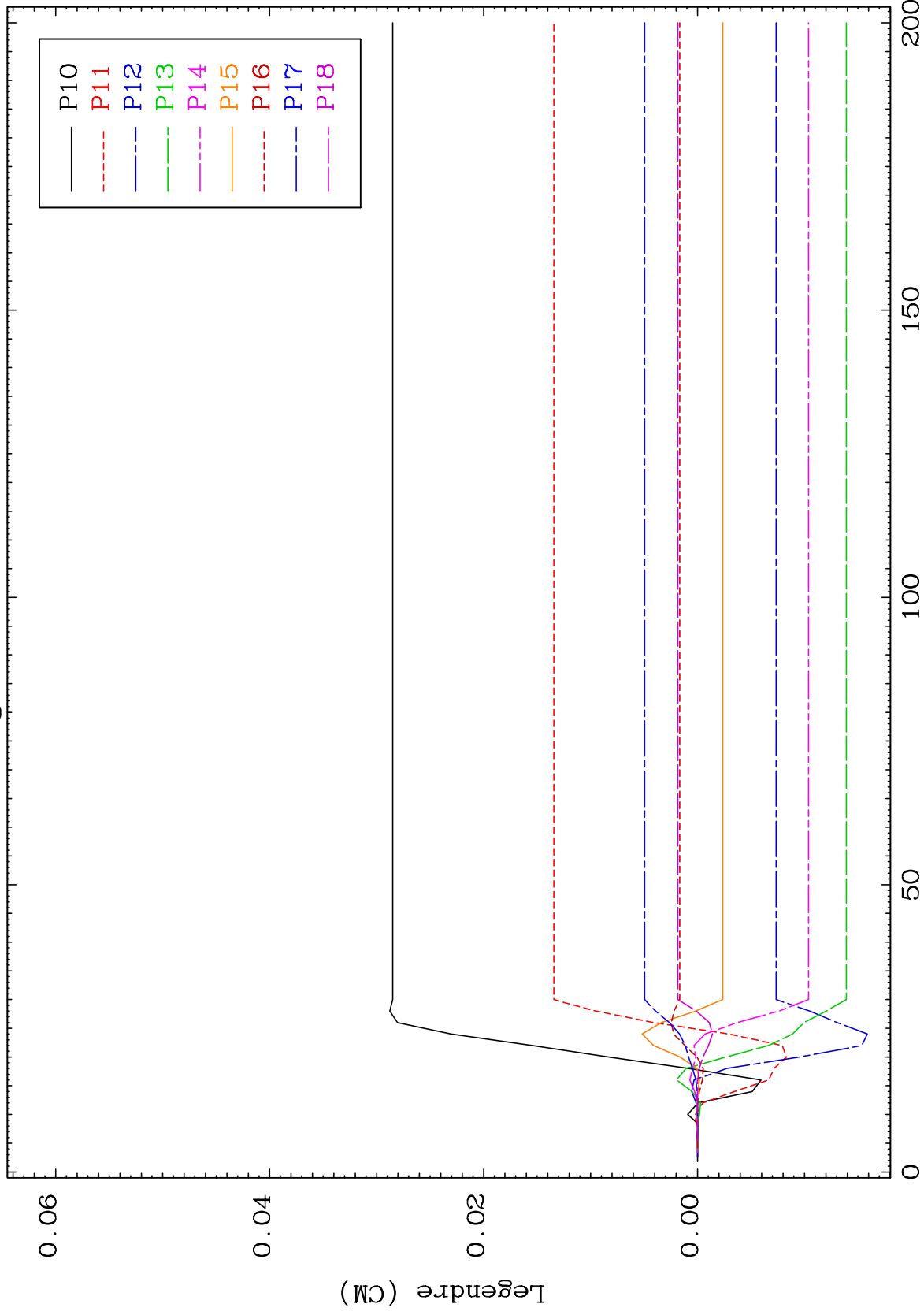
Incident Energy (MeV)

52

MAT 81113

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

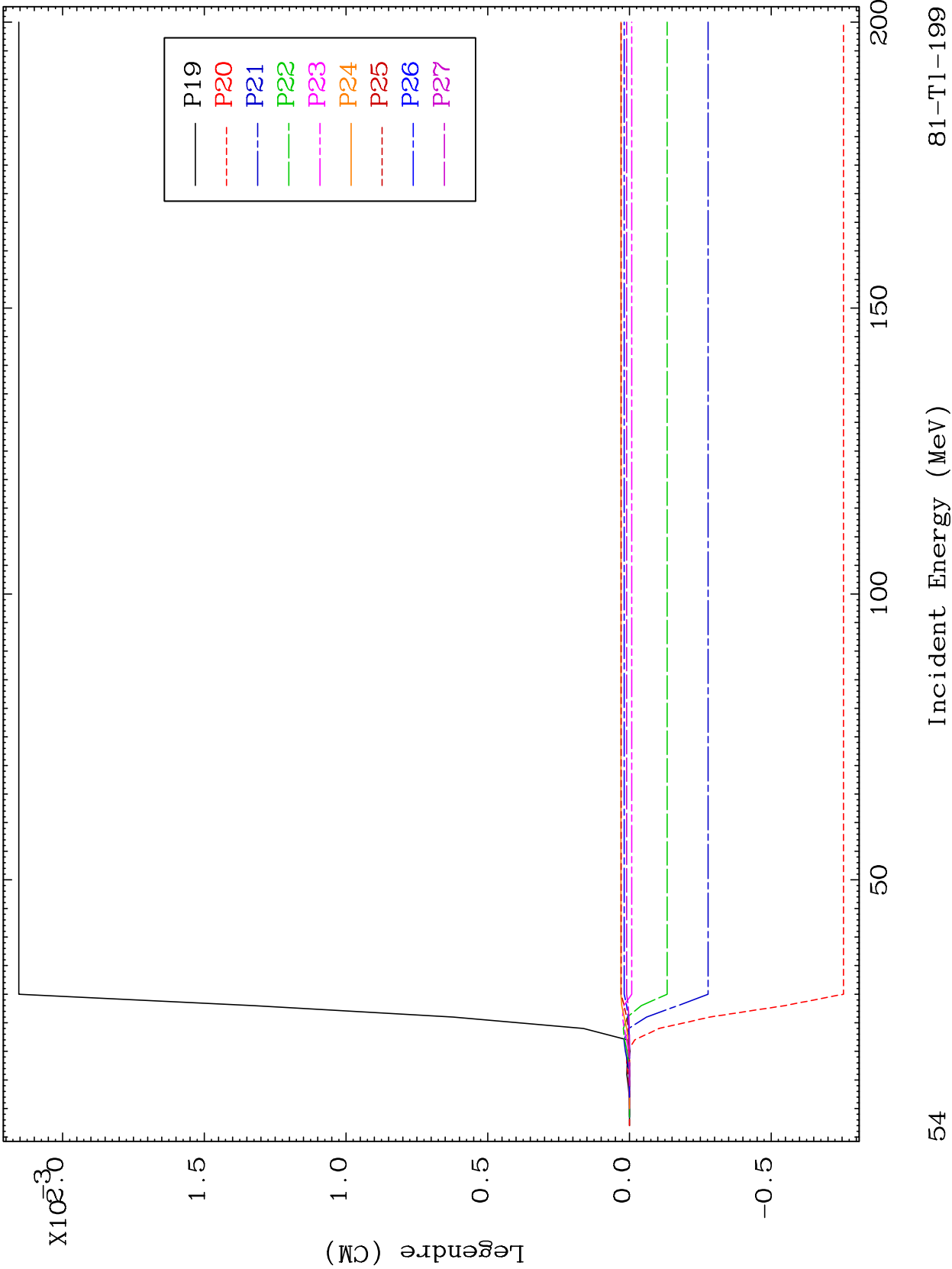
81-T1-199



53

Incident Energy (MeV)

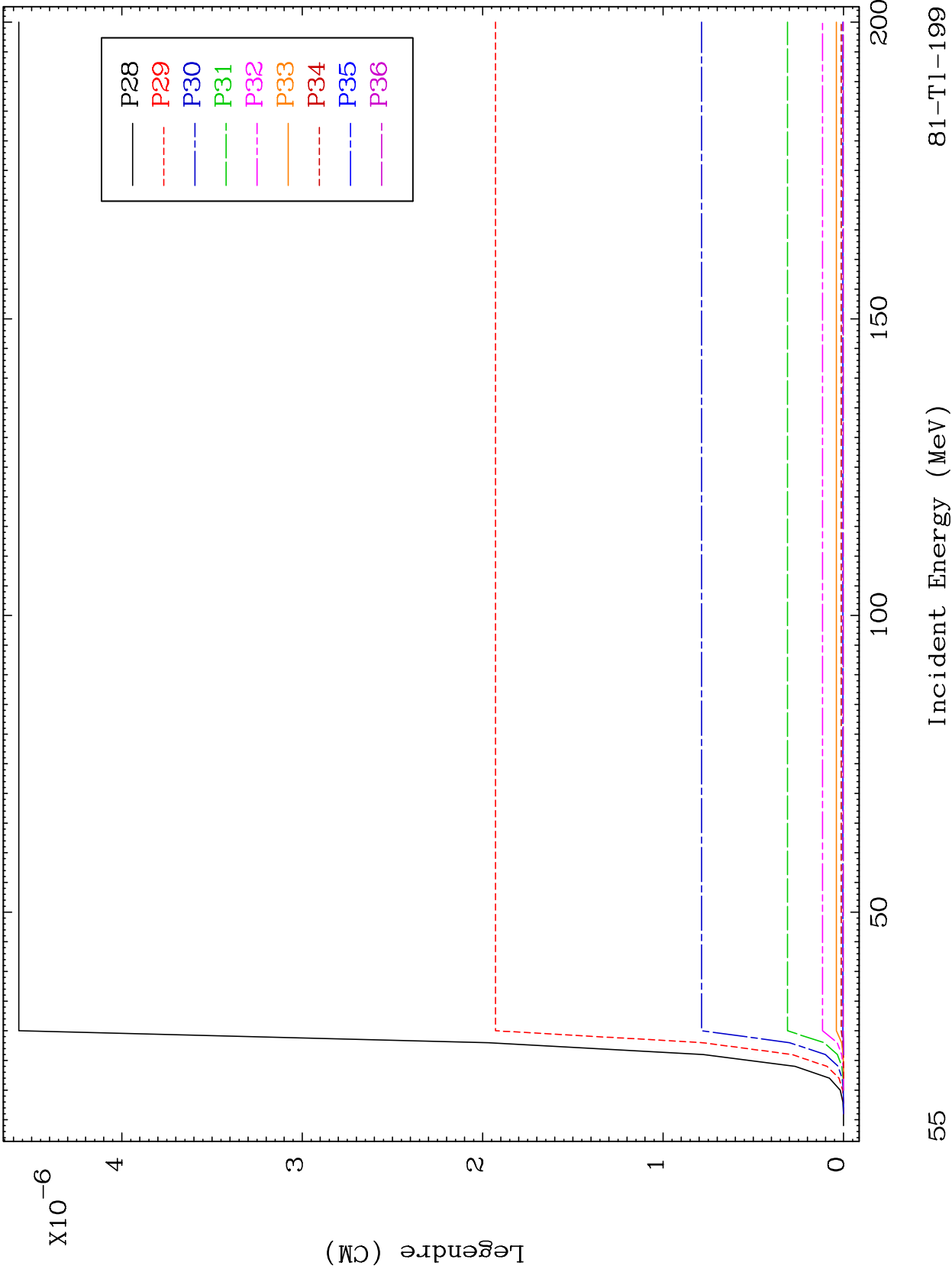
81-T1-199



MAT 8113

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

81-Tl-199



55

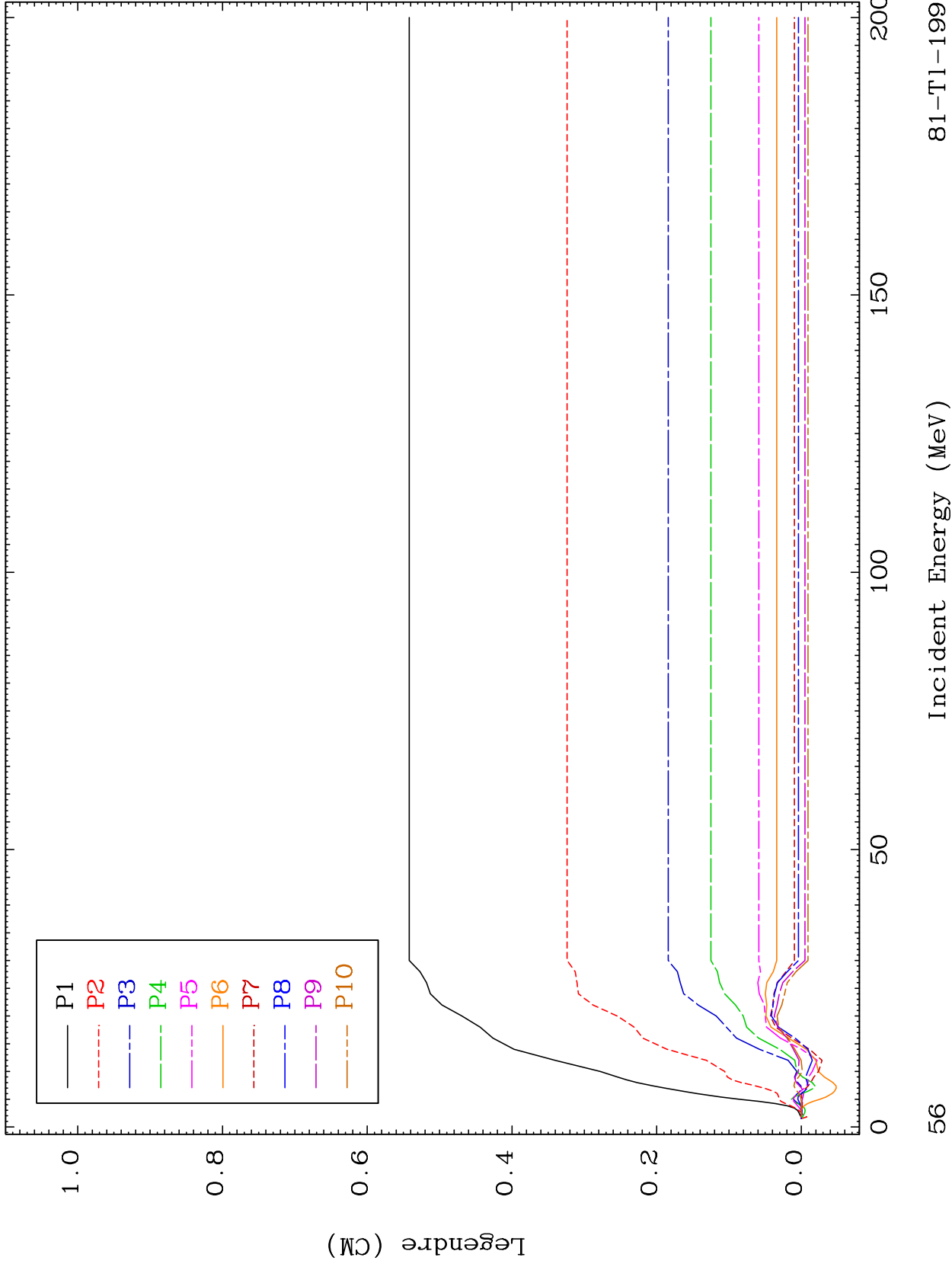
Incident Energy (MeV)

81-Tl-199

MAT 81113

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

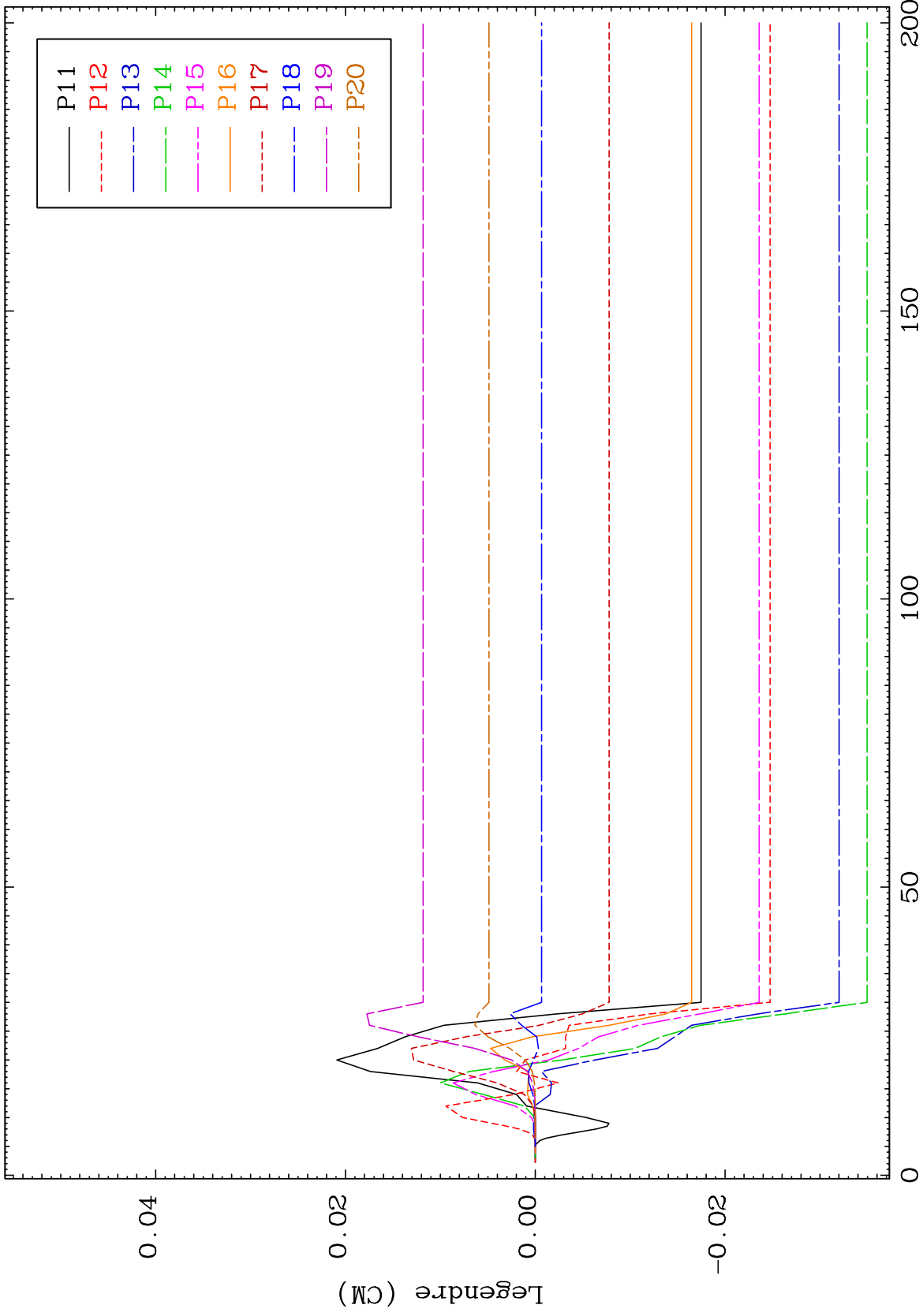
81-T1-199



MAT 81113

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

81-T1-199



57

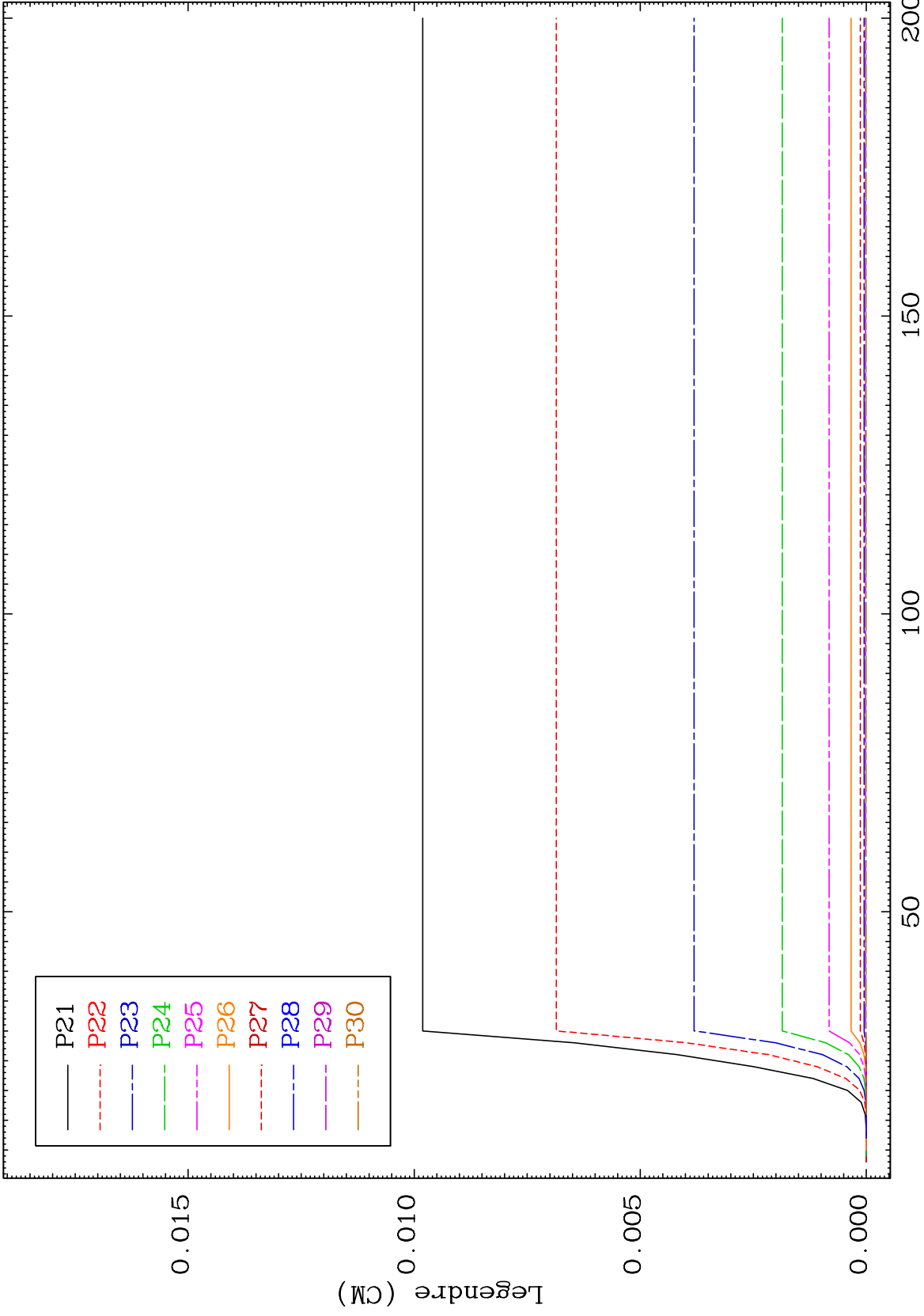
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-Tl-199



58

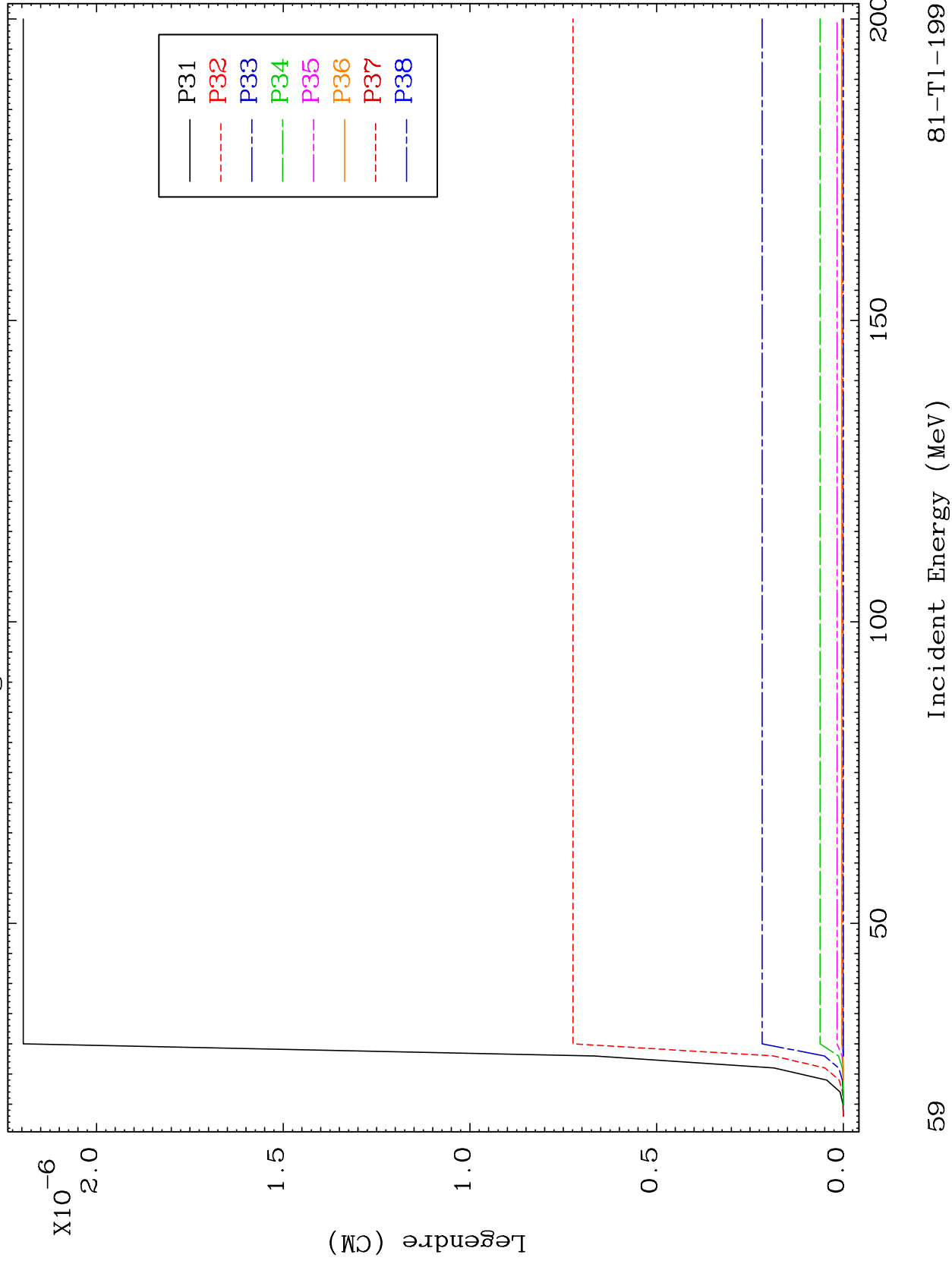
Incident Energy (MeV)

81-Tl-199

MAT 81113

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

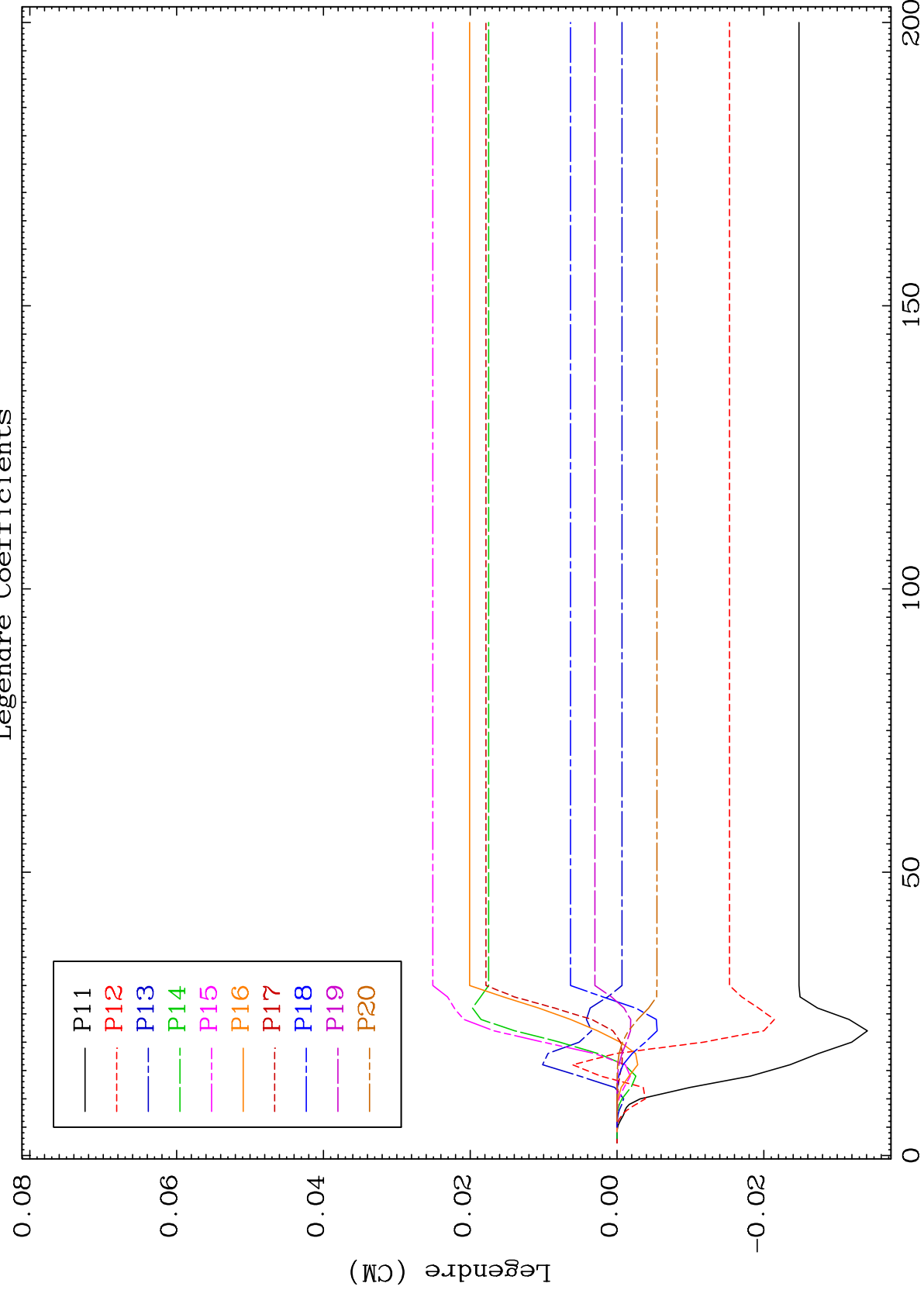
81-T1-199



MAT 81113

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

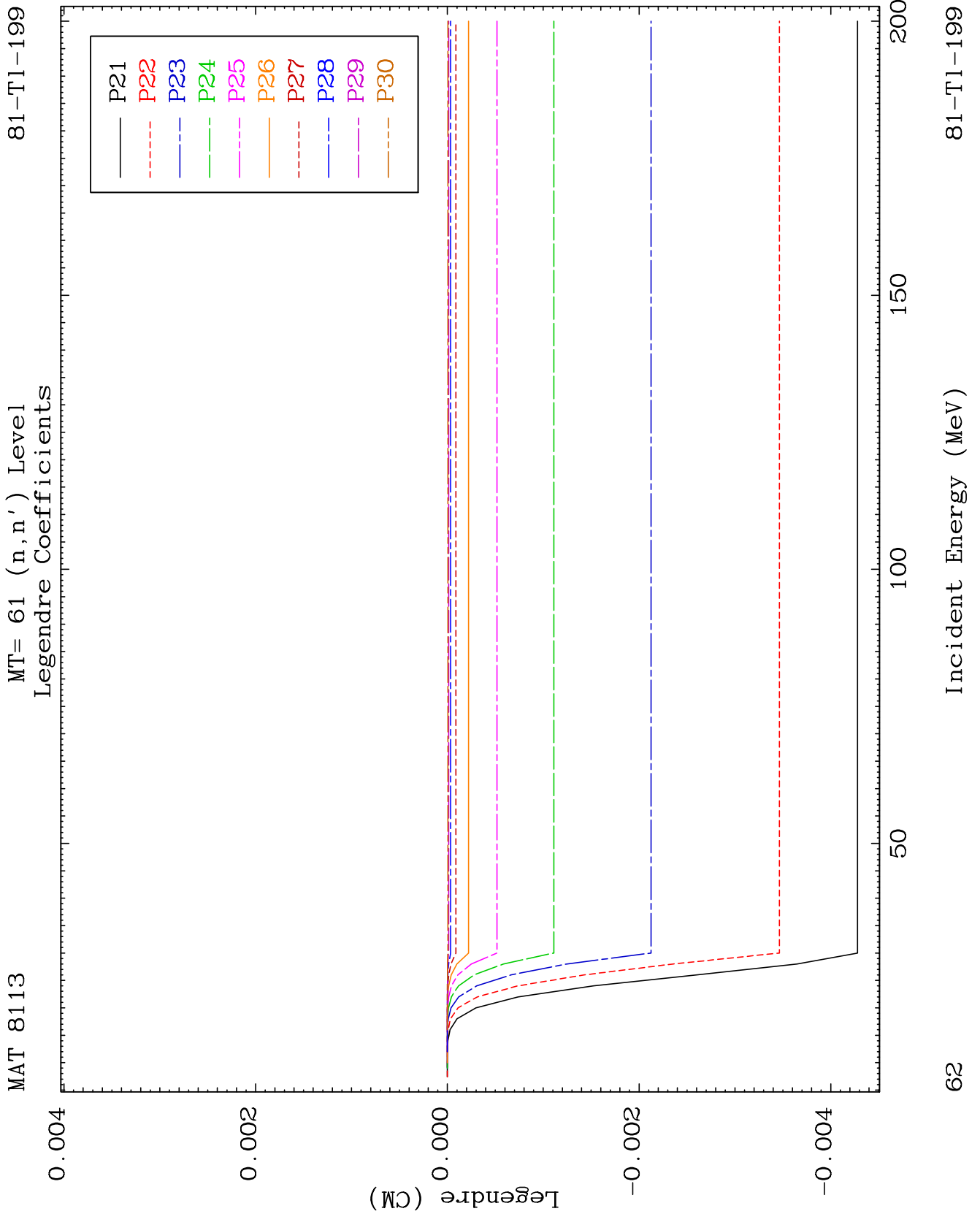
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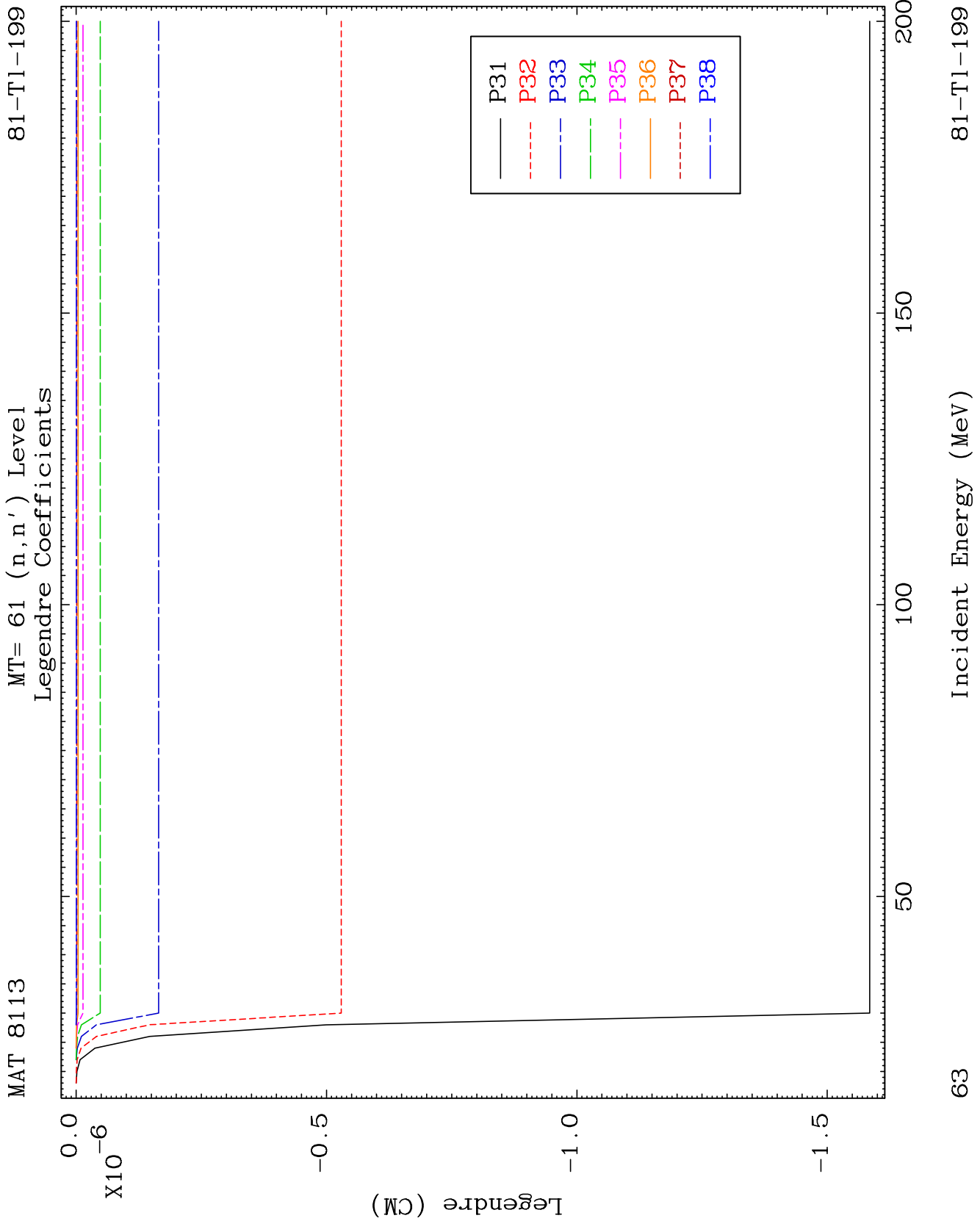


61

Incident Energy (MeV)

81-T1-199

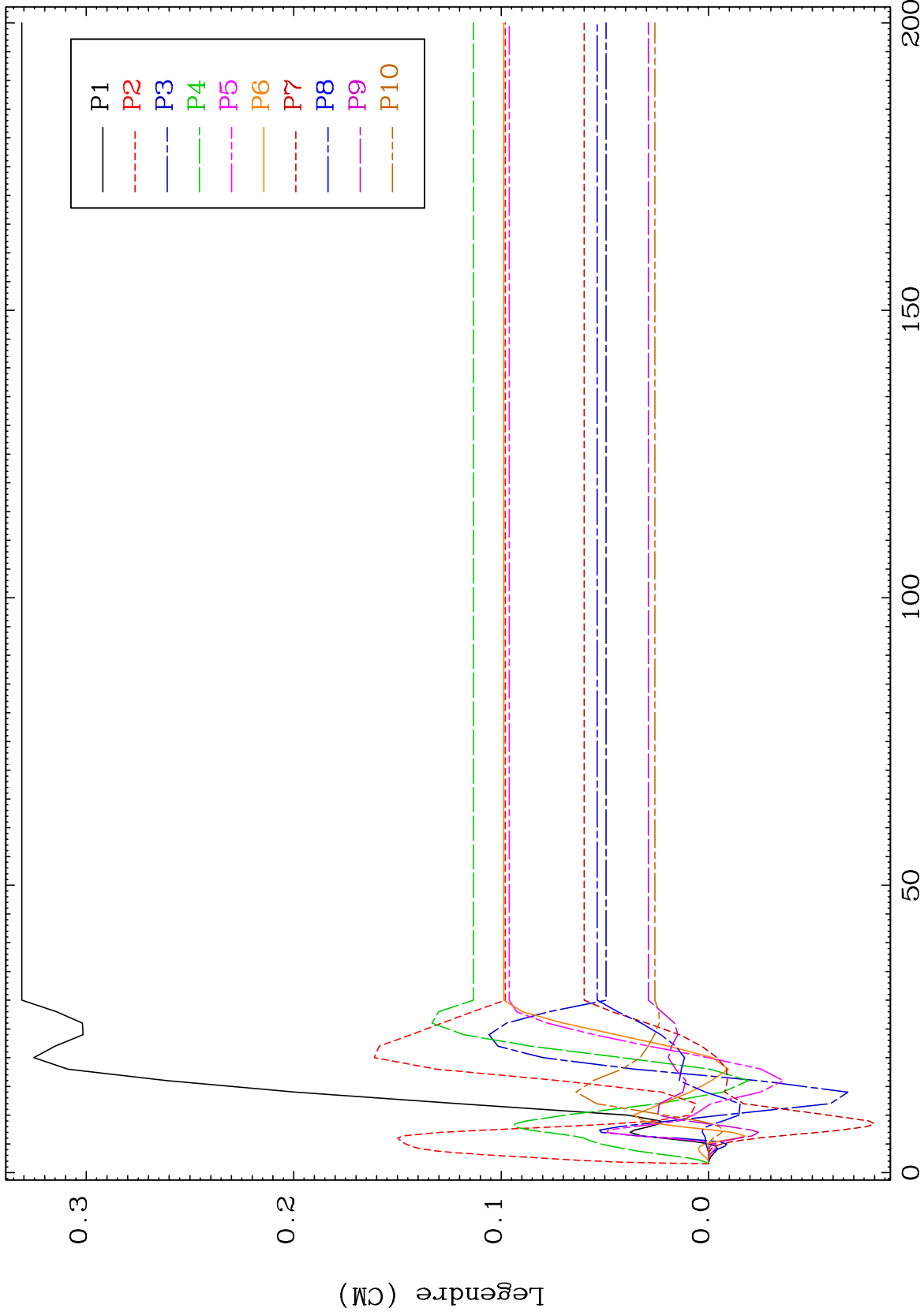




MAT 8113

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

81-Tl-199



64

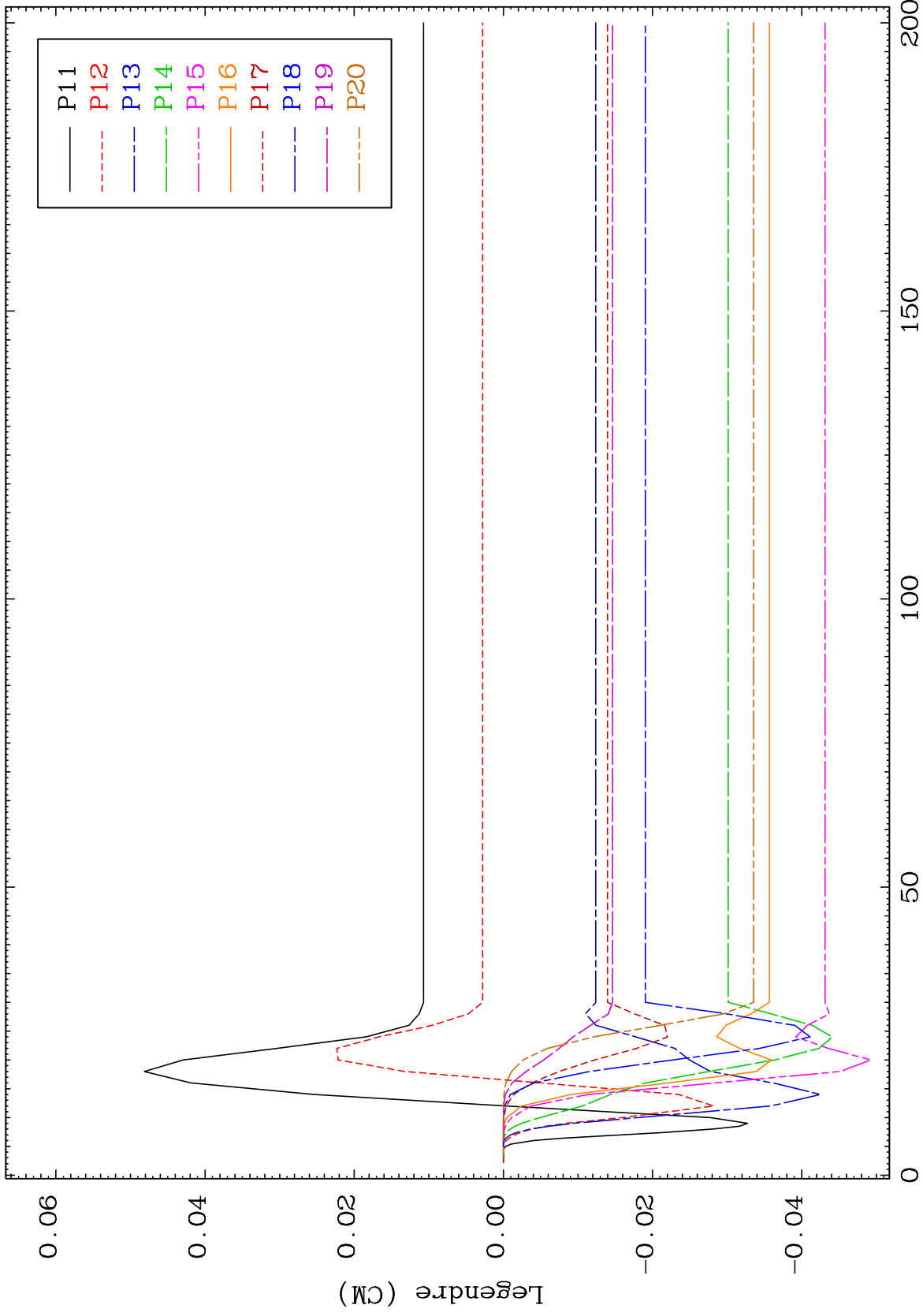
Incident Energy (MeV)

81-Tl-199

MAT 8113

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

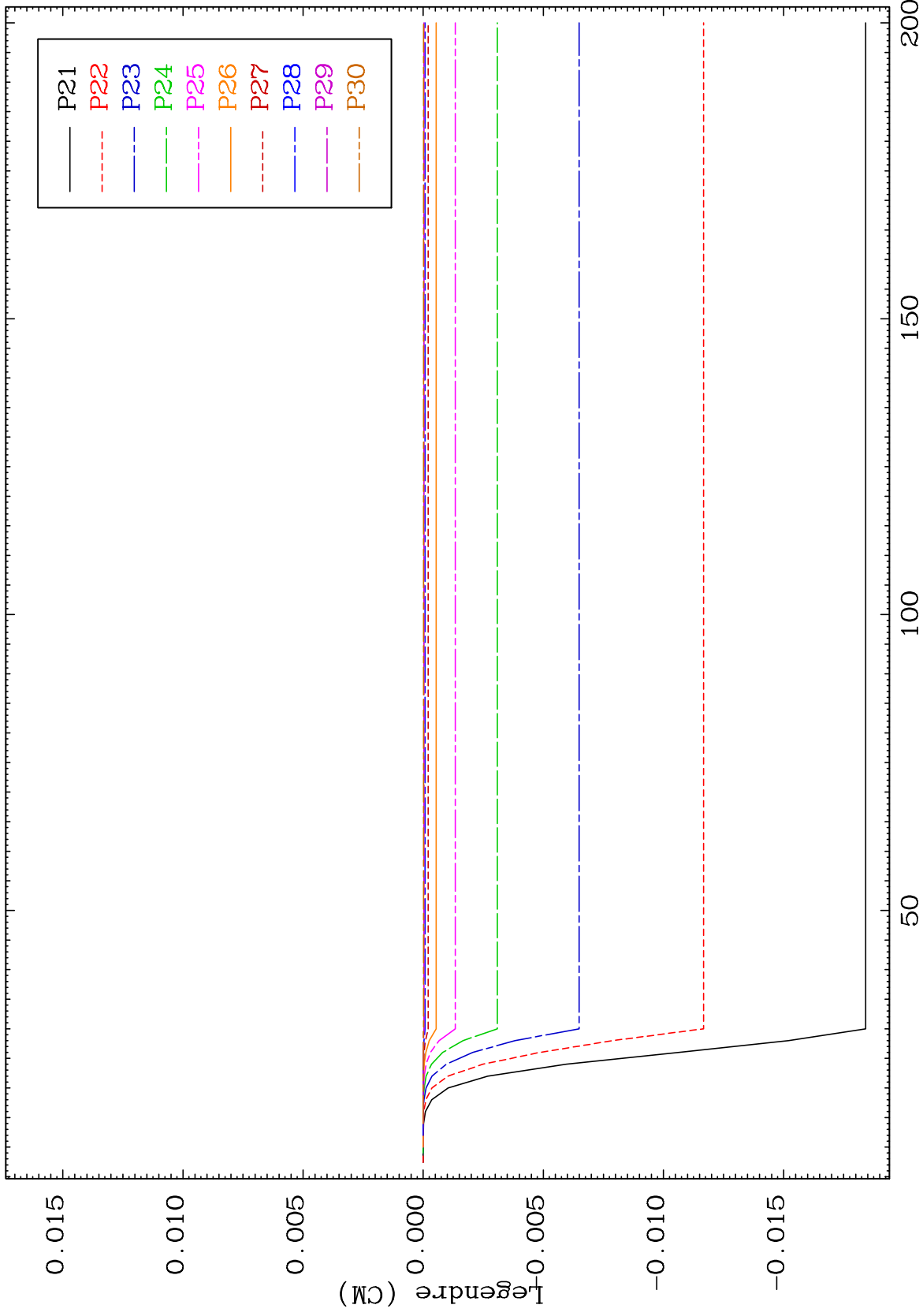
81-T1-199

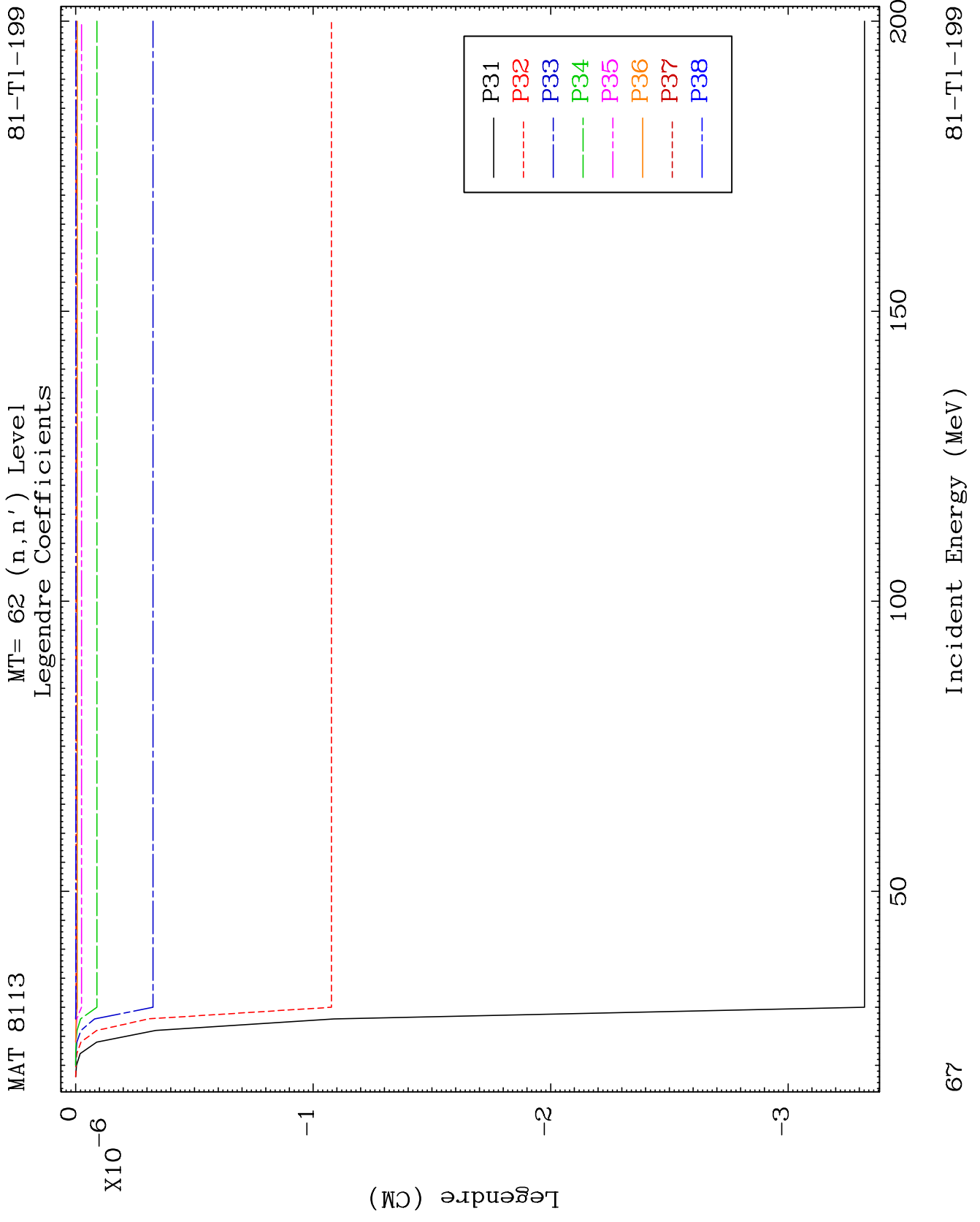


65

Incident Energy (MeV)

81-T1-199

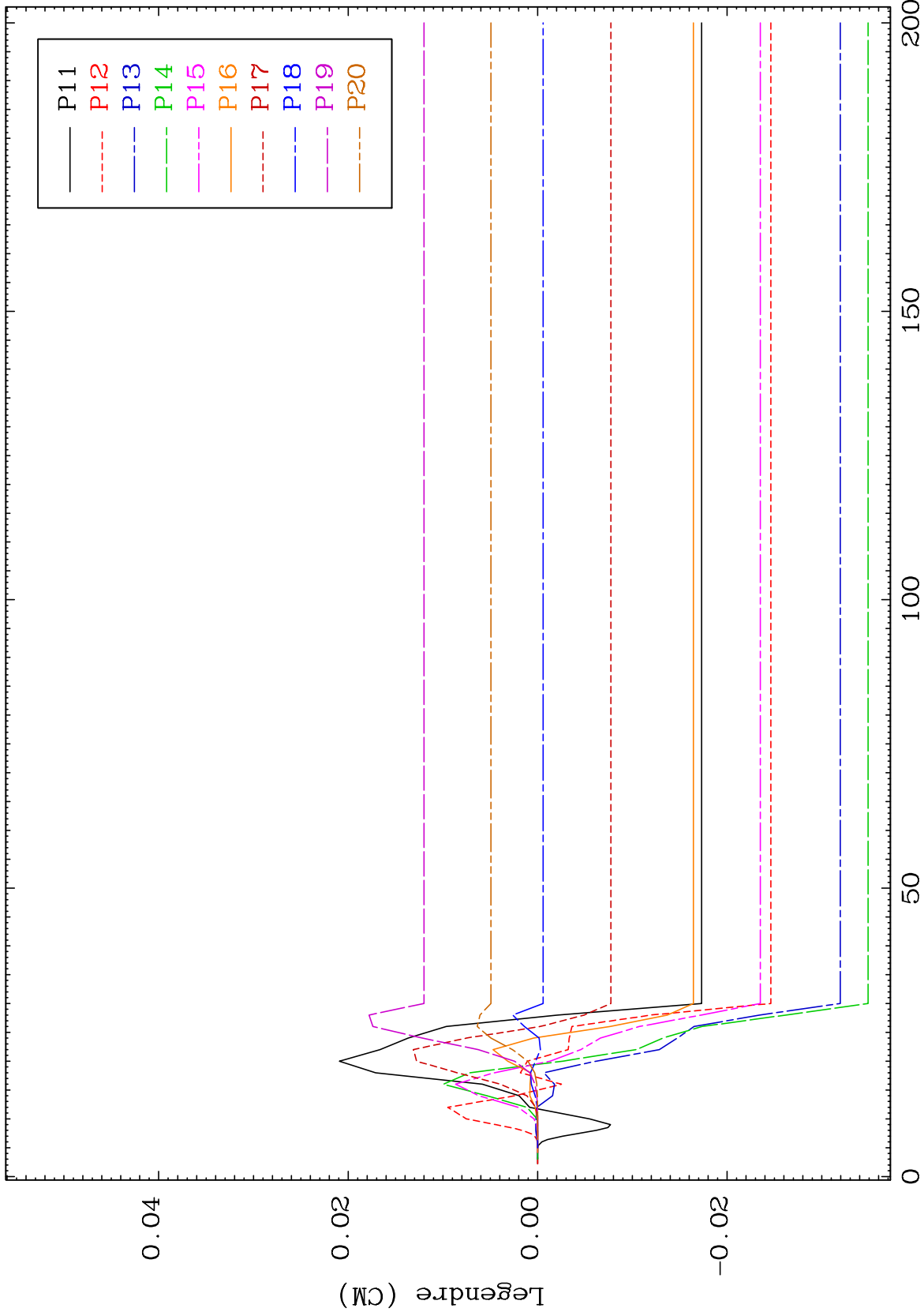




MAT 81113

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

81-T1-199



69

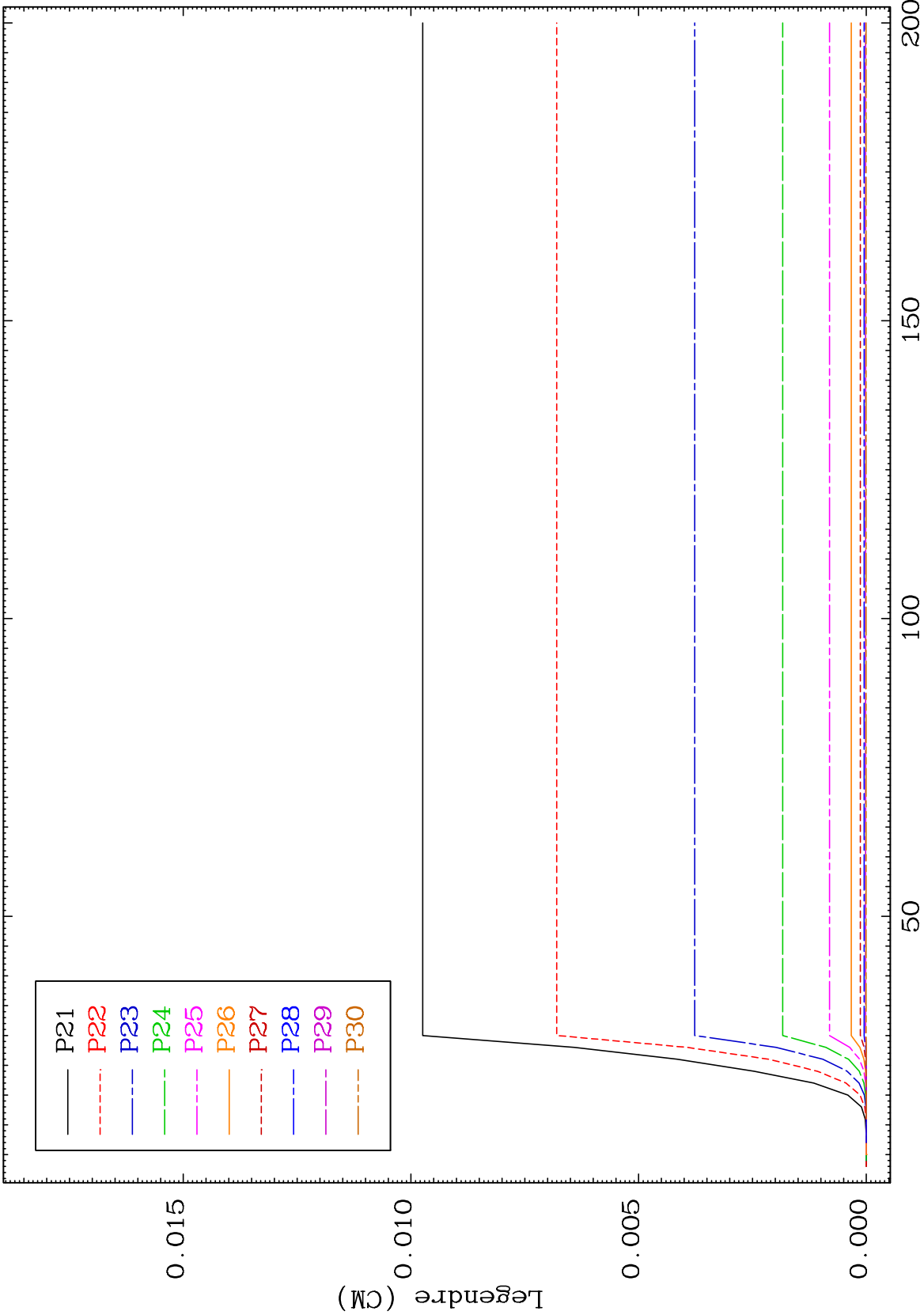
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



70

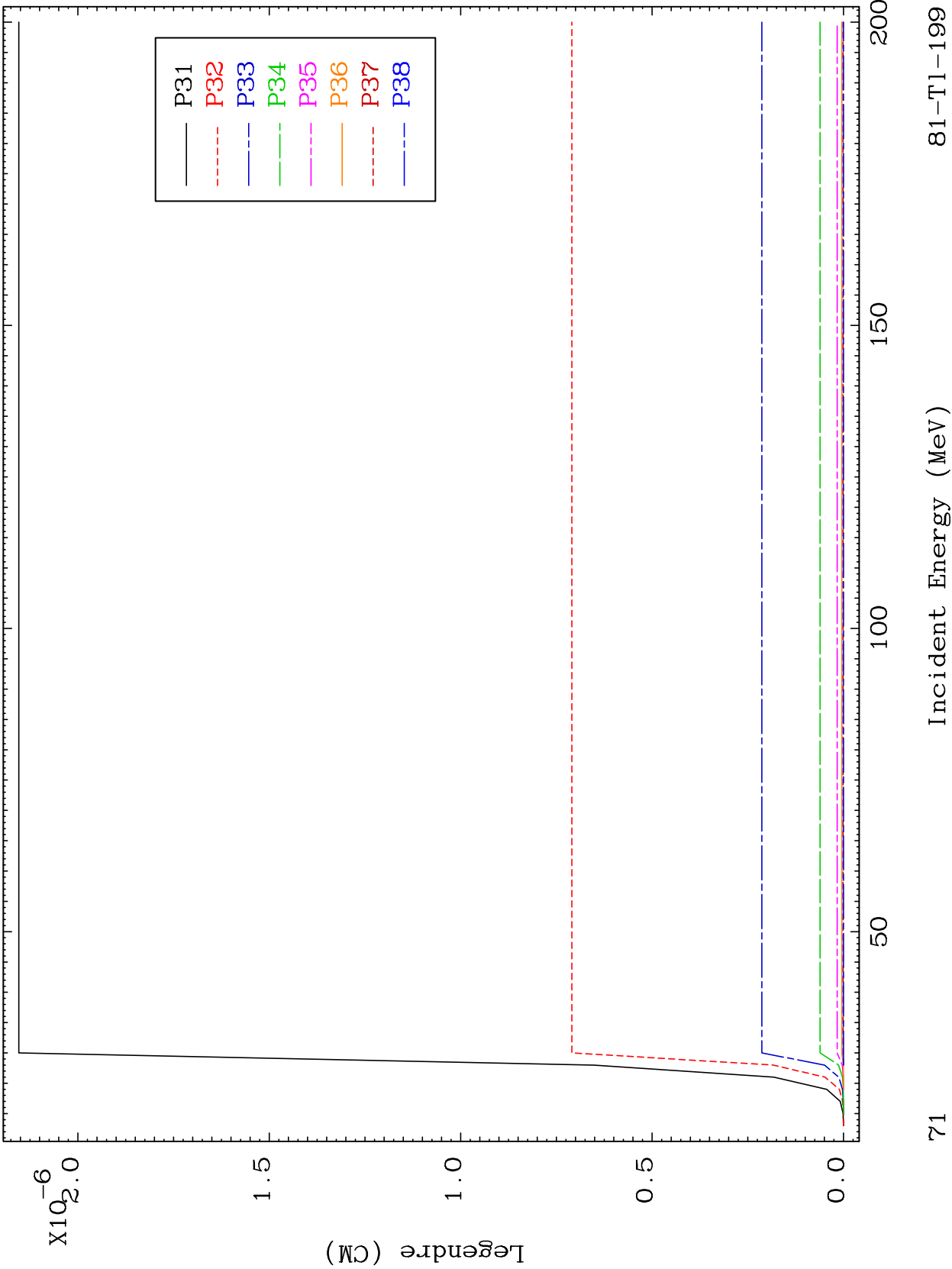
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-T1-199



71

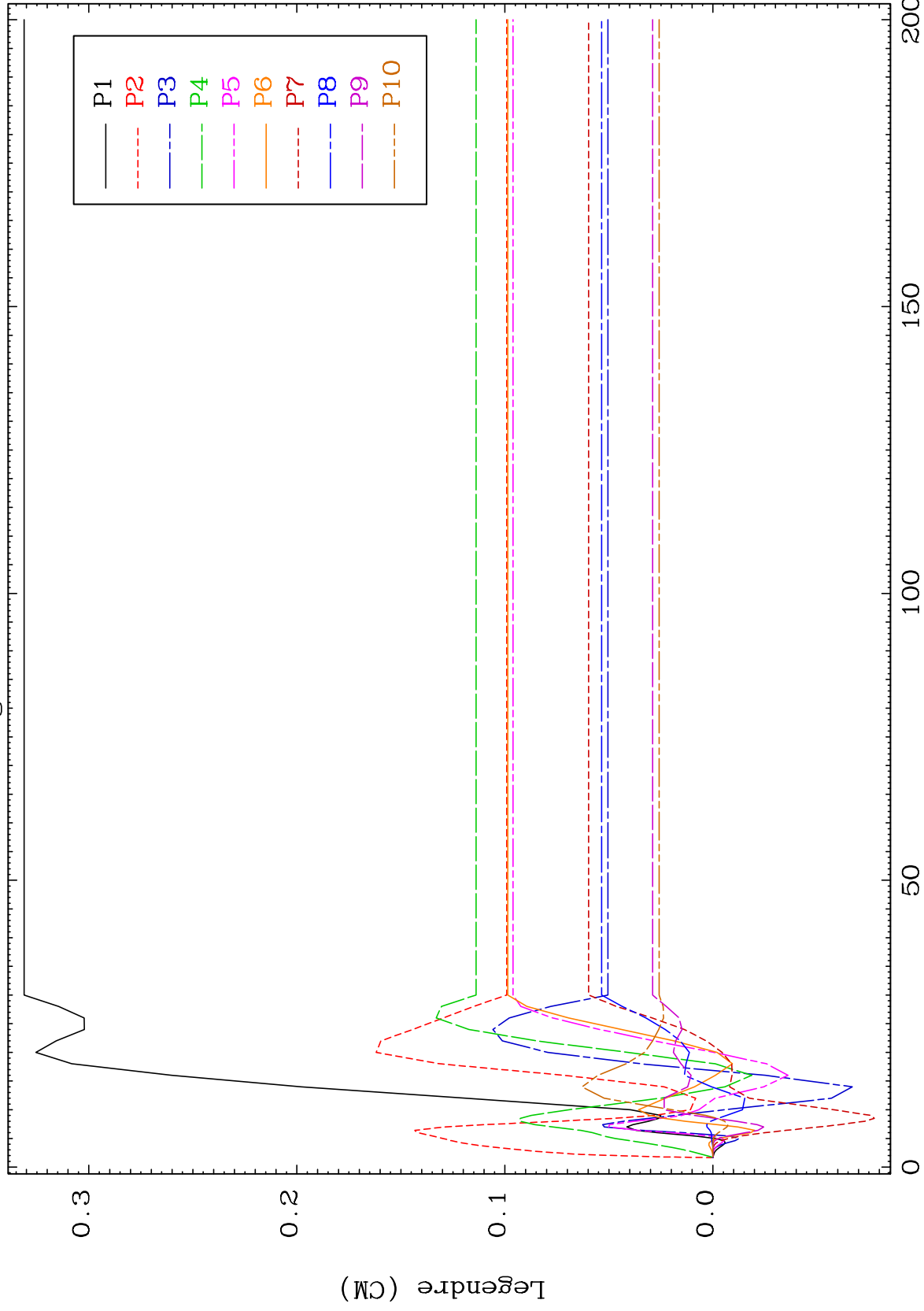
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



72

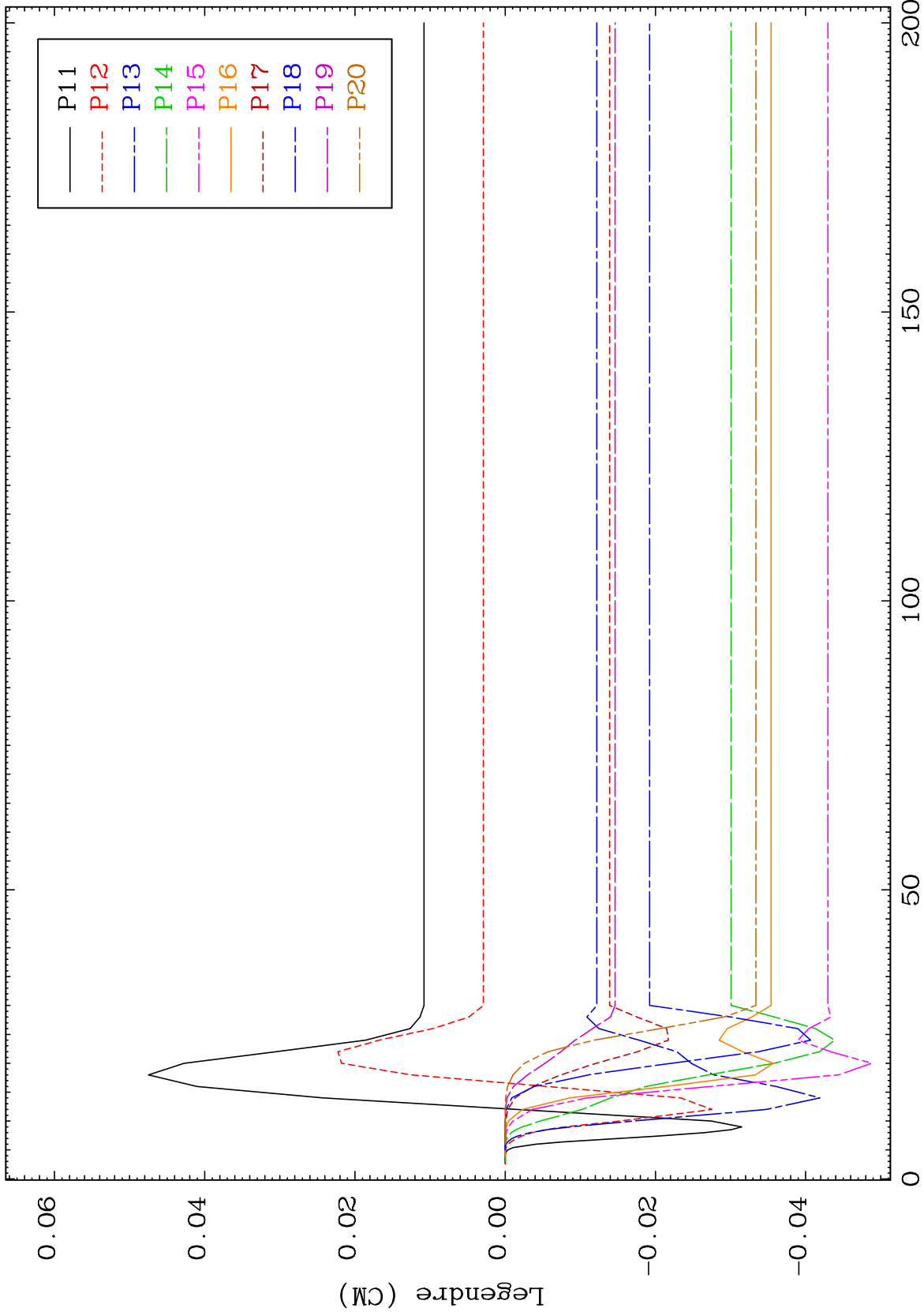
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



73

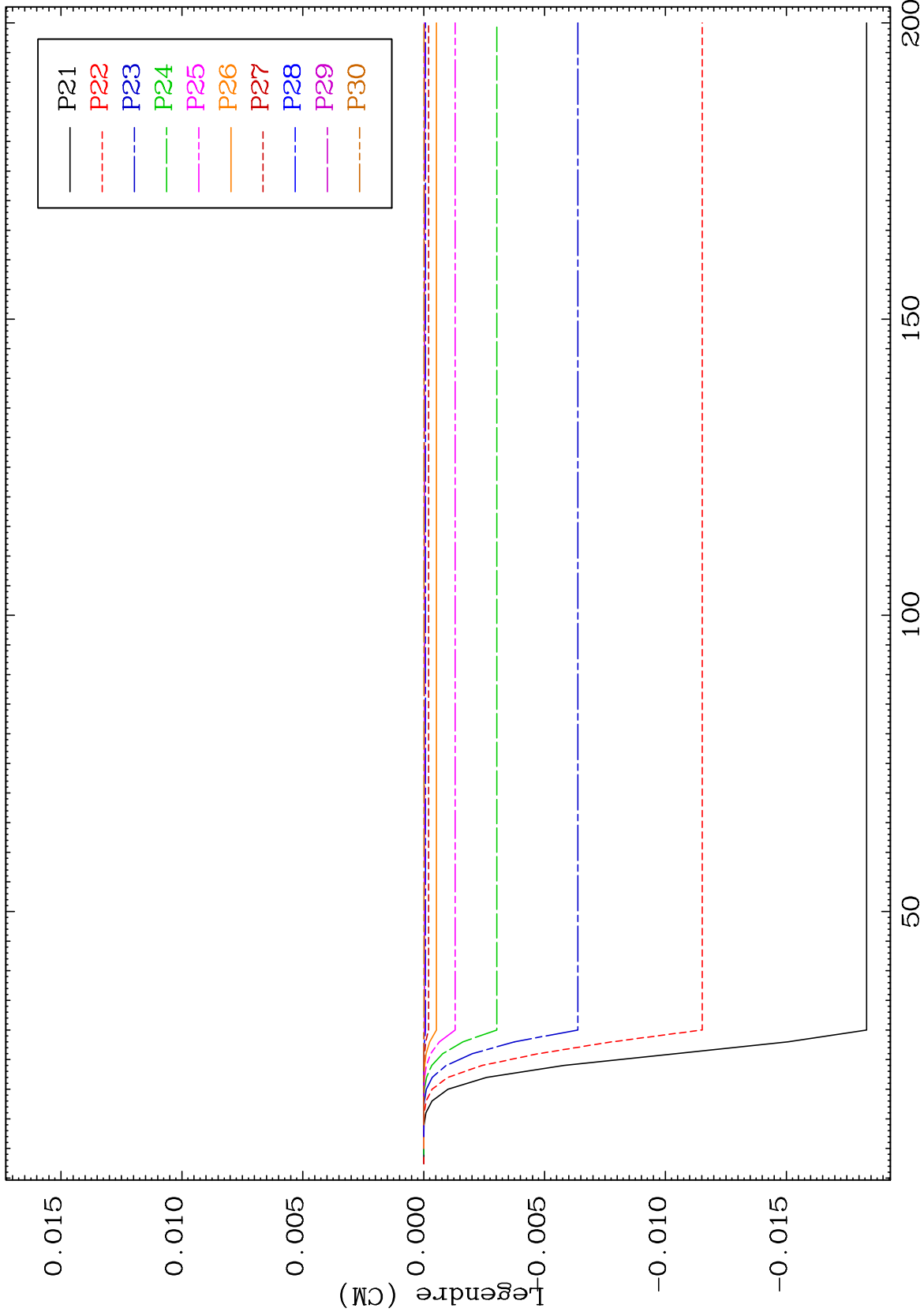
Incident Energy (MeV)

81-T1-199

MAT 81113

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

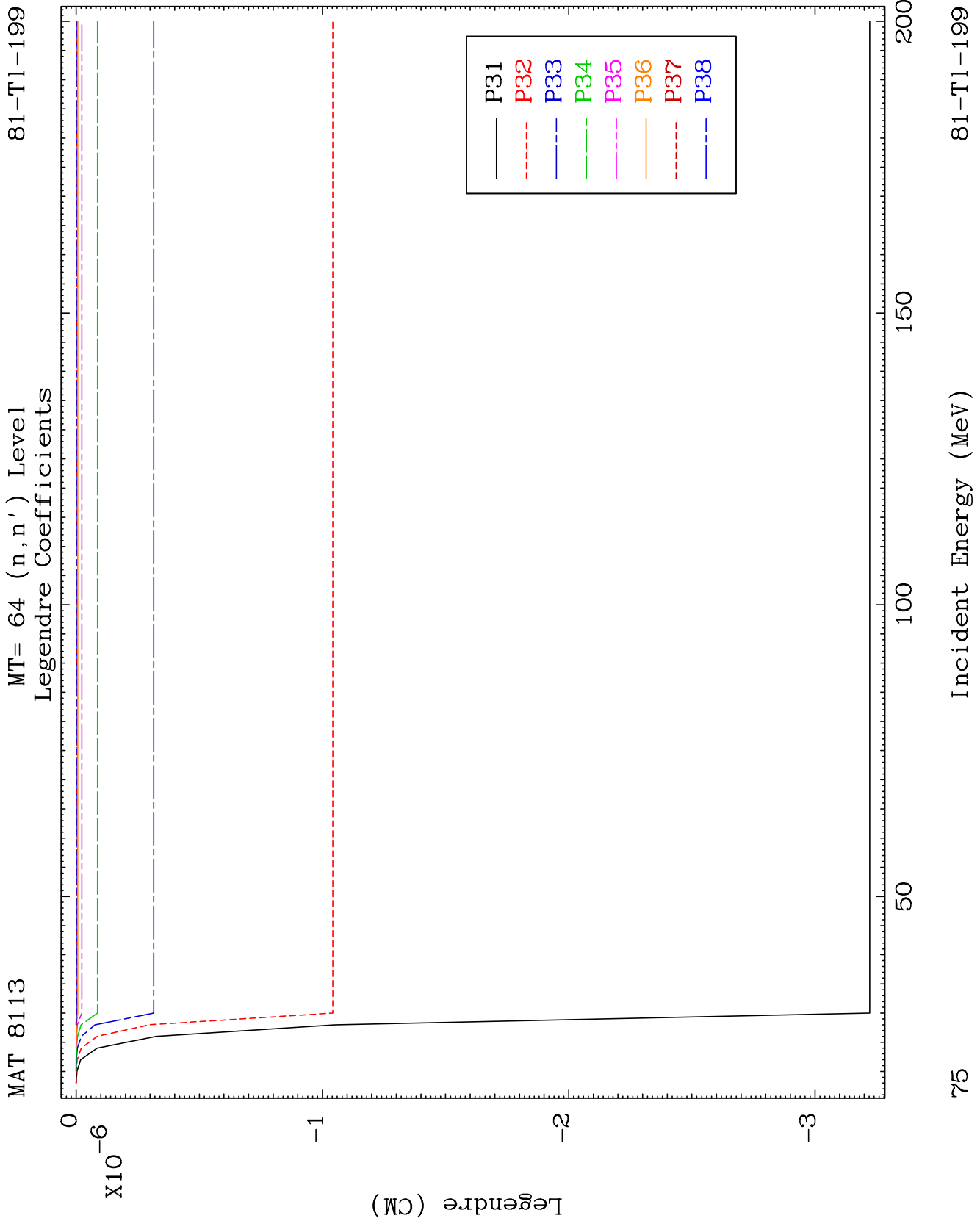
81-T1-199



74

Incident Energy (MeV)

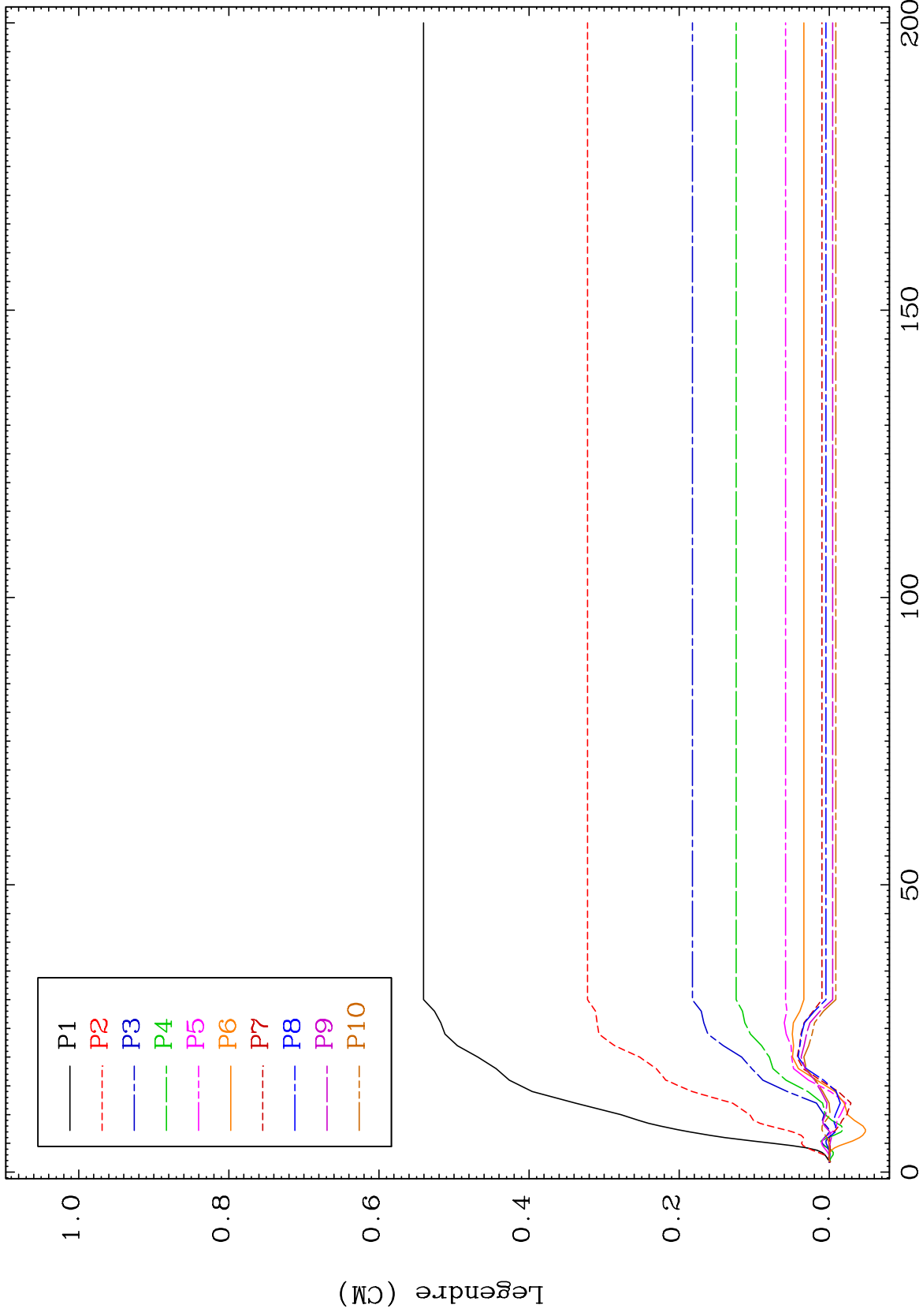
81-T1-199



MAT 81113

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

81-T1-199



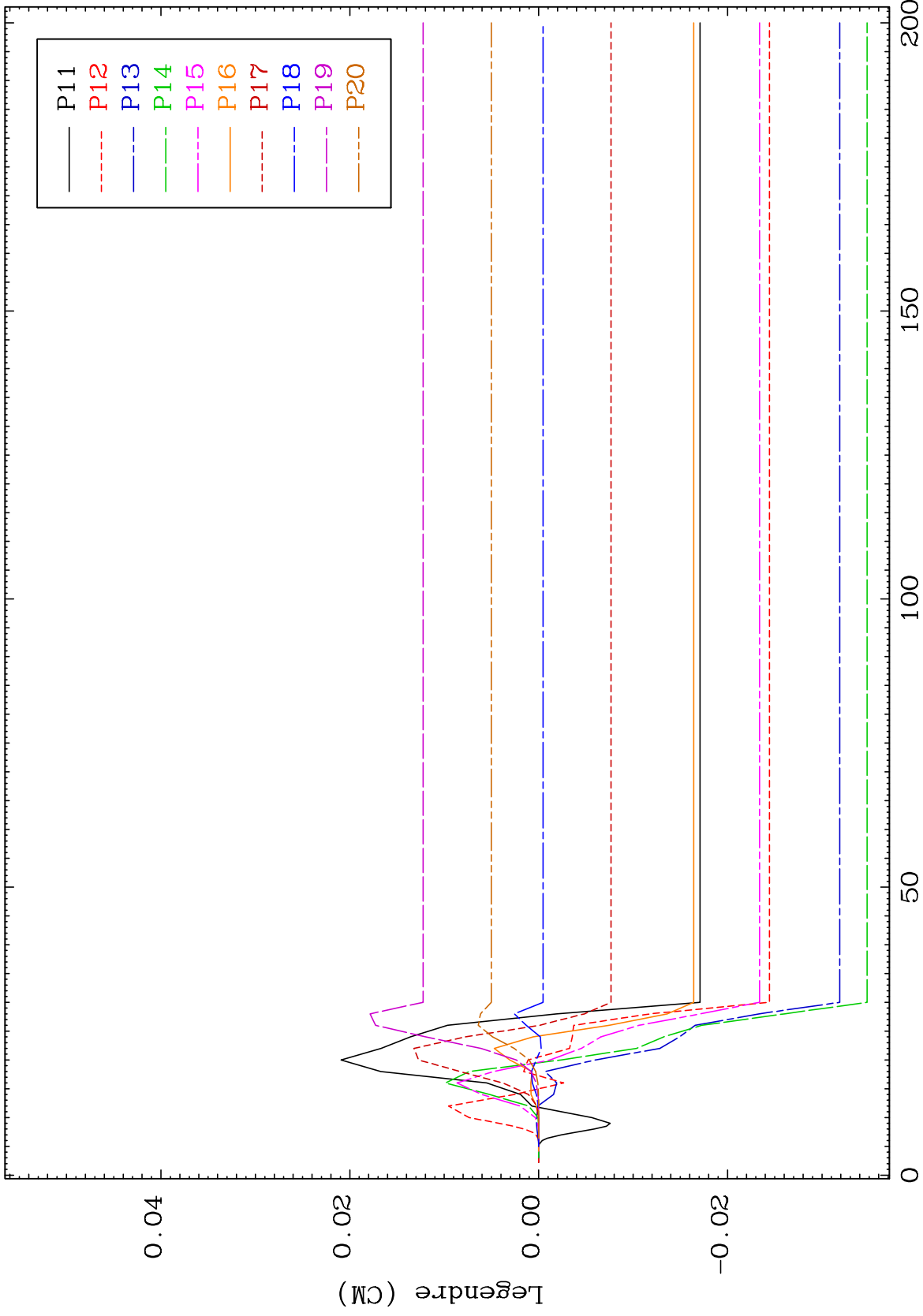
76

81-T1-199

MAT 81113

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

81-T1-199



77

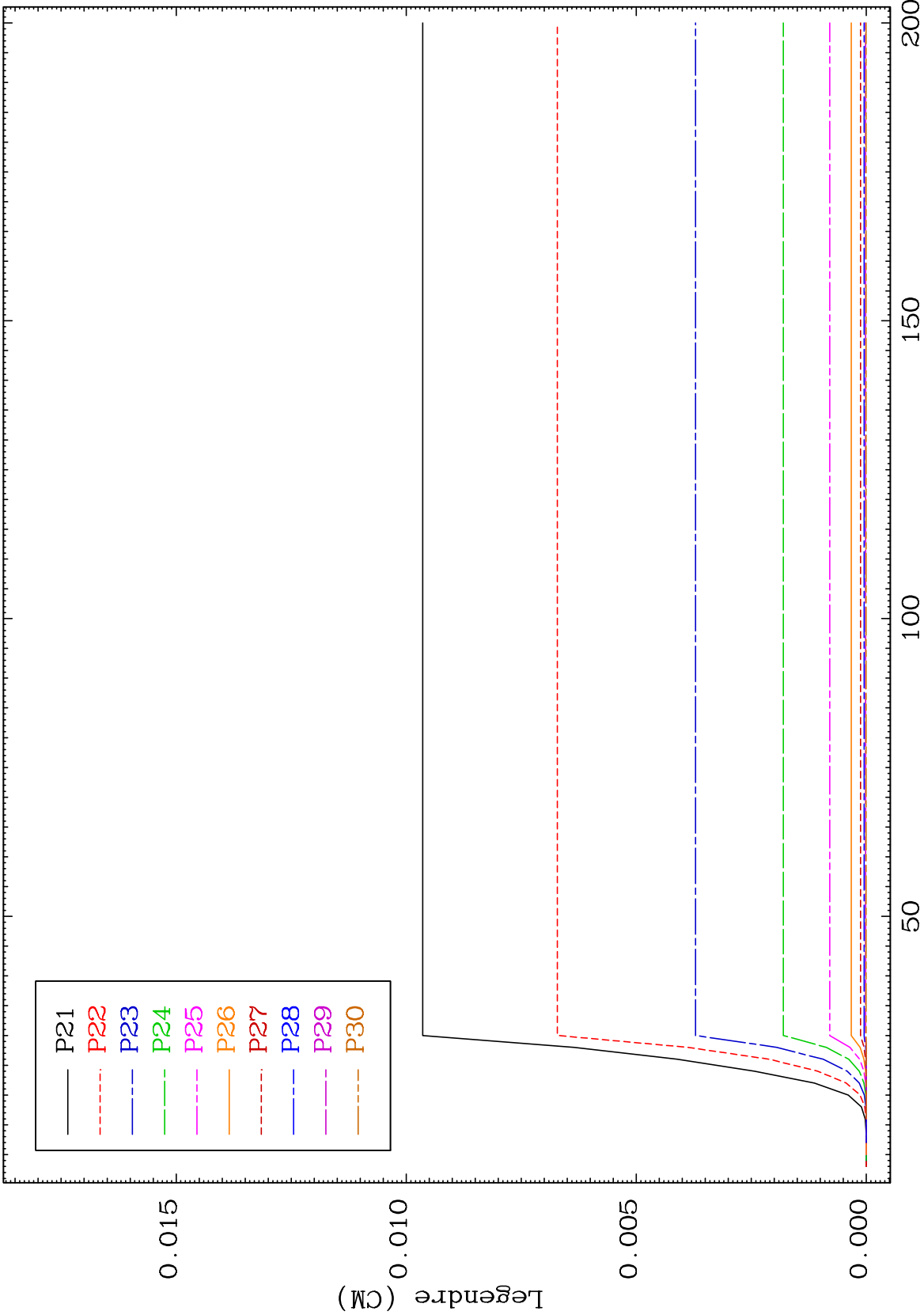
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-Tl-199



78

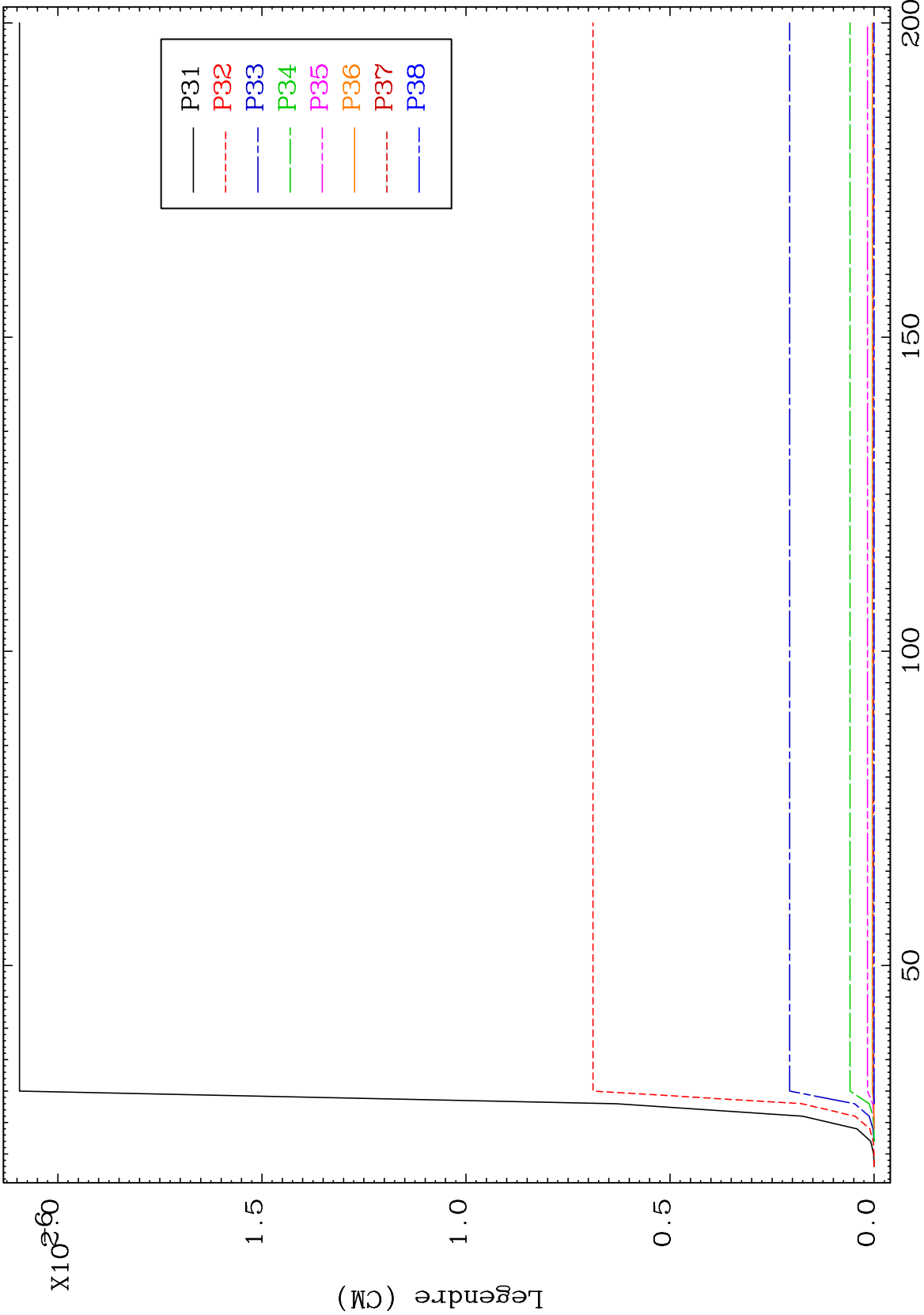
Incident Energy (MeV)

81-Tl-199

MAT 8113

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

81-T1-199



79

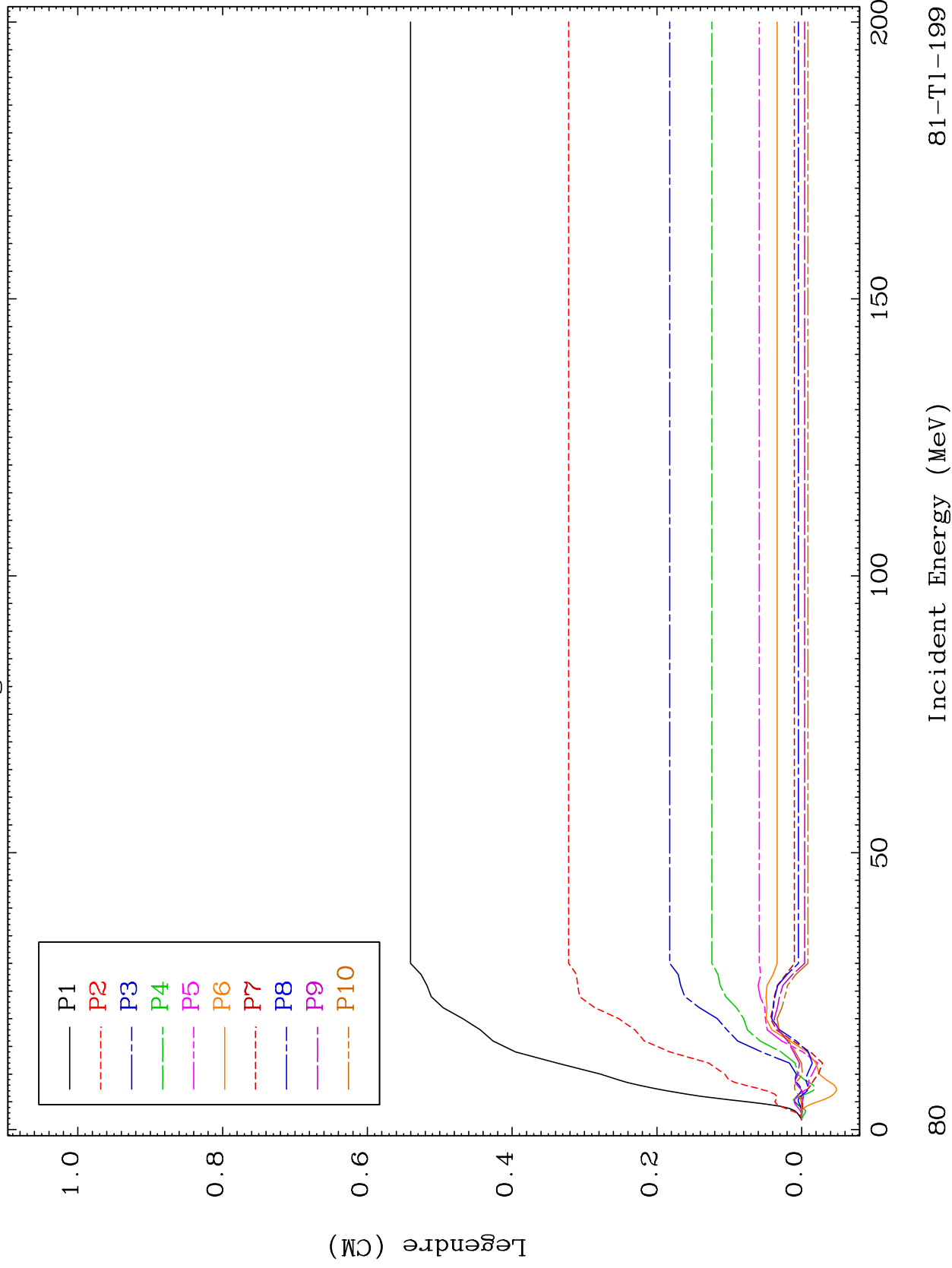
Incident Energy (MeV)

81-T1-199

MAT 81113

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

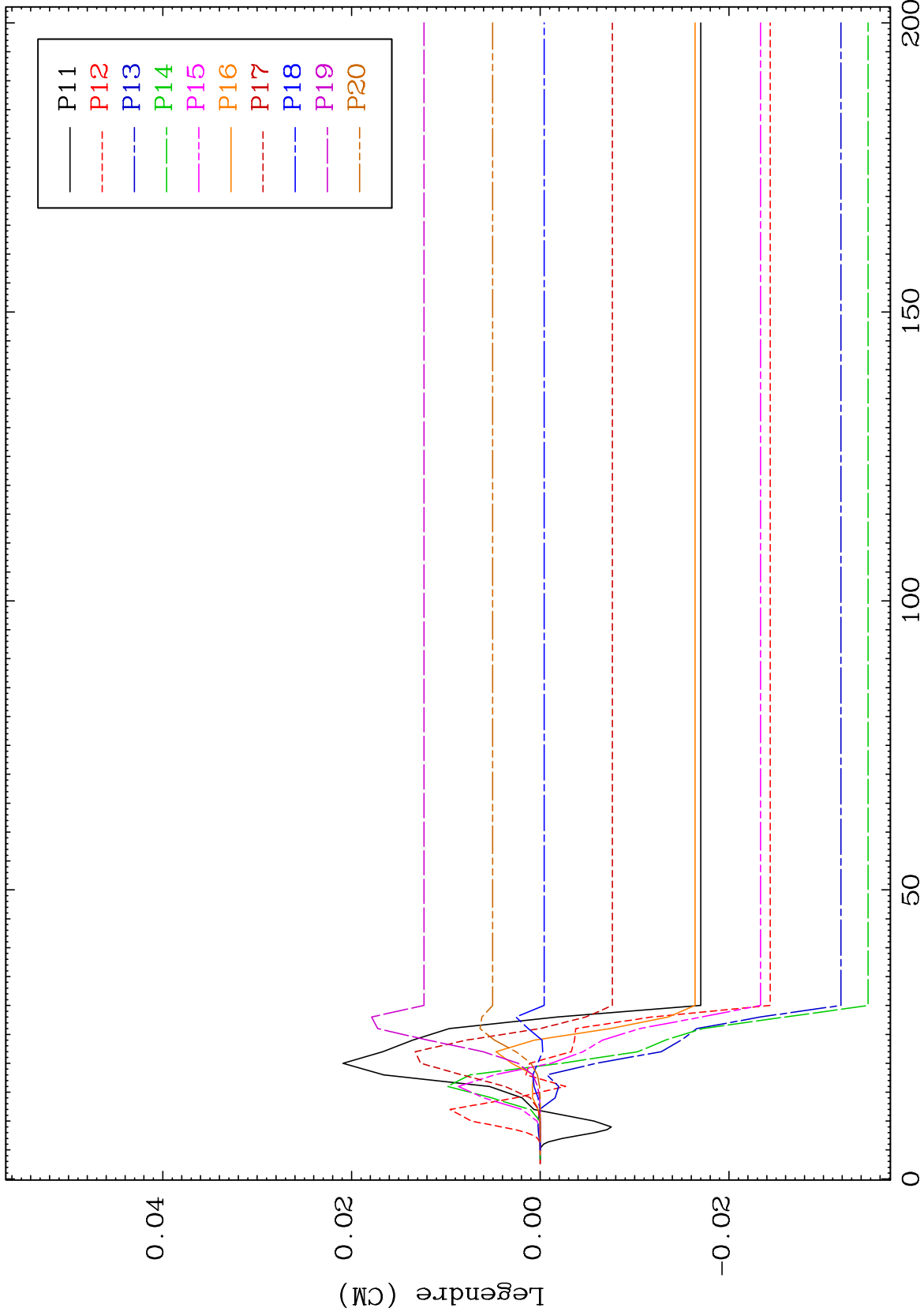
81-T1-199



MAT 81113

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

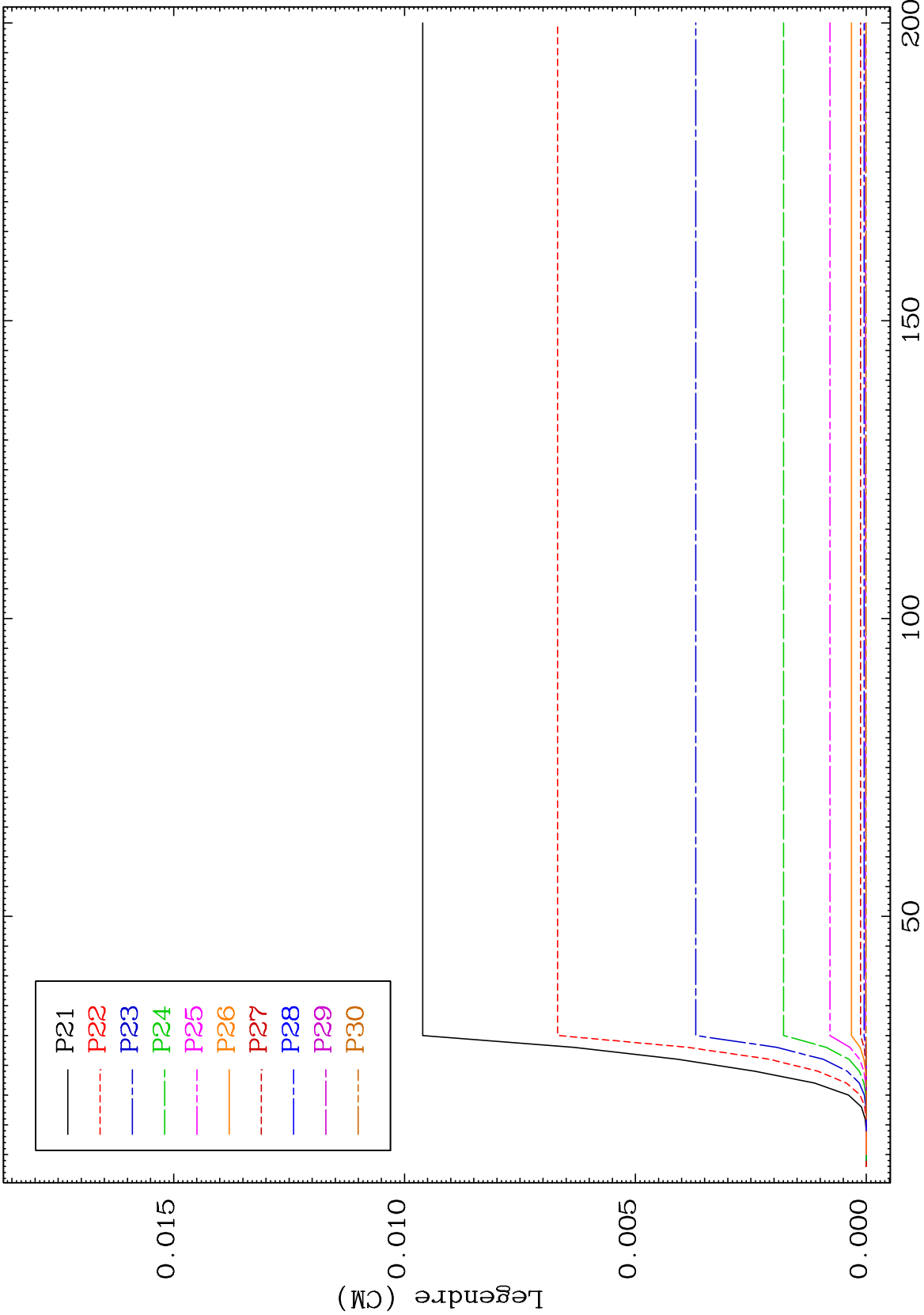
81-T1-199

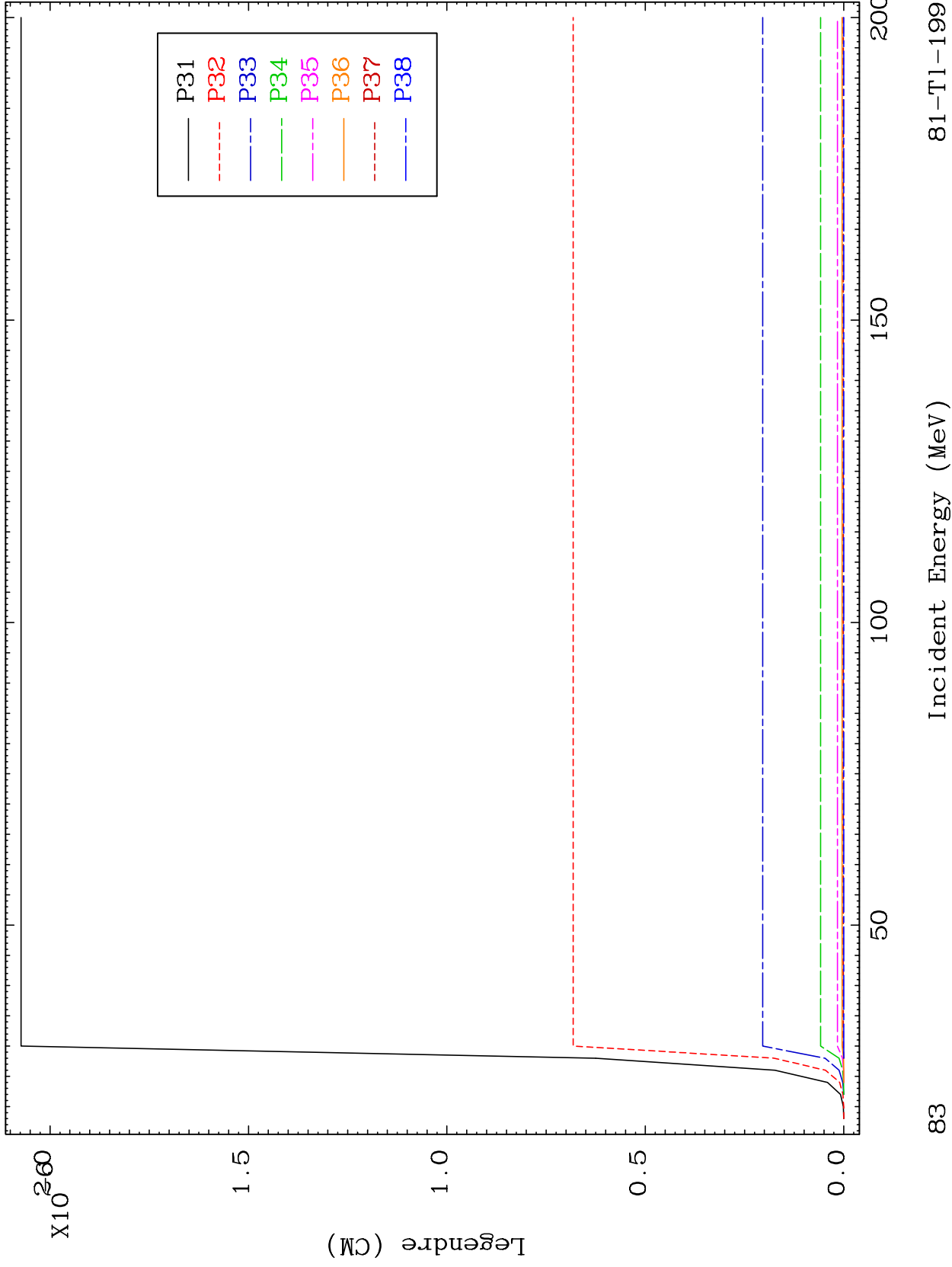


81

Incident Energy (MeV)

81-T1-199

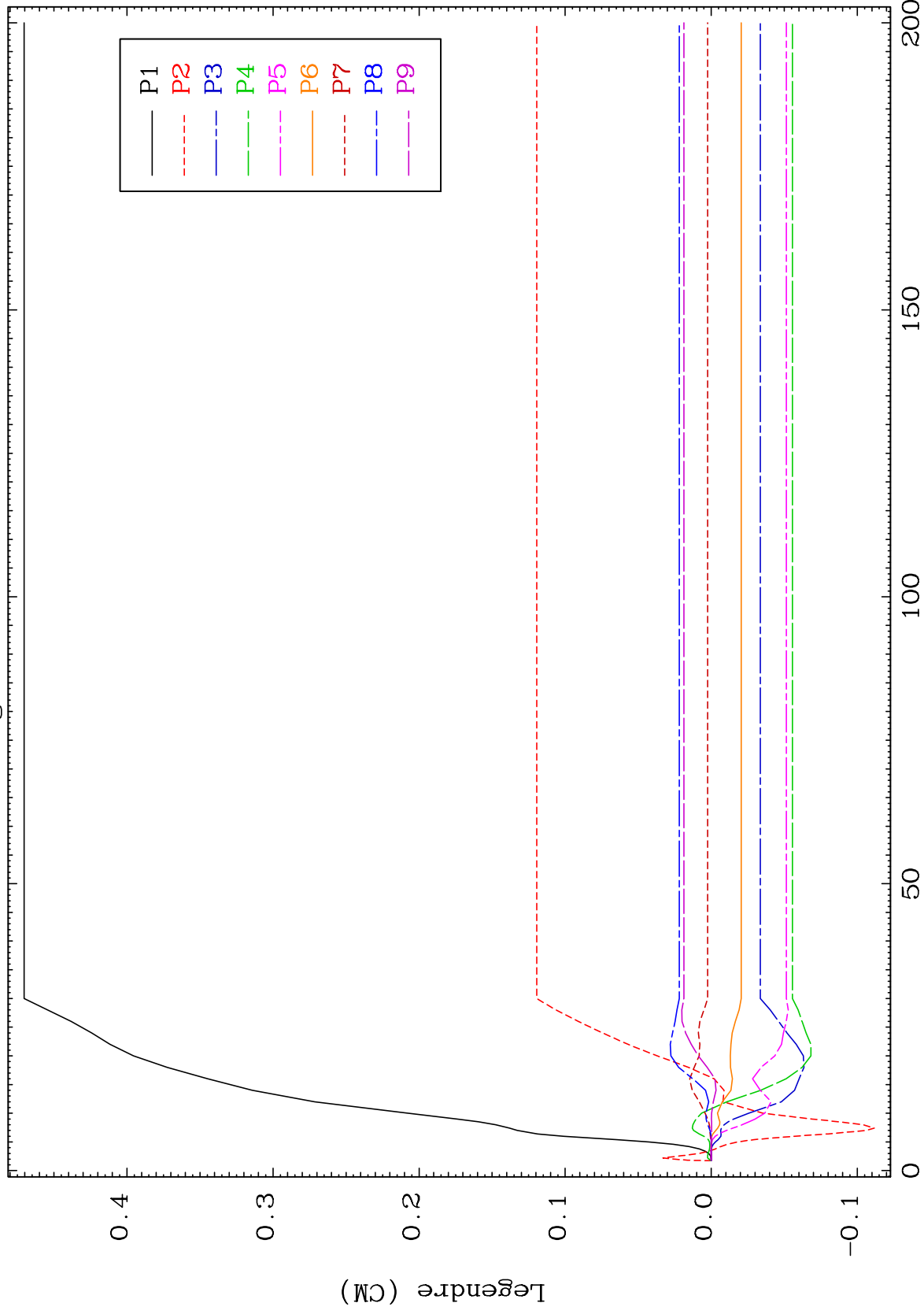




MAT 81113

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

81-T1-199



84

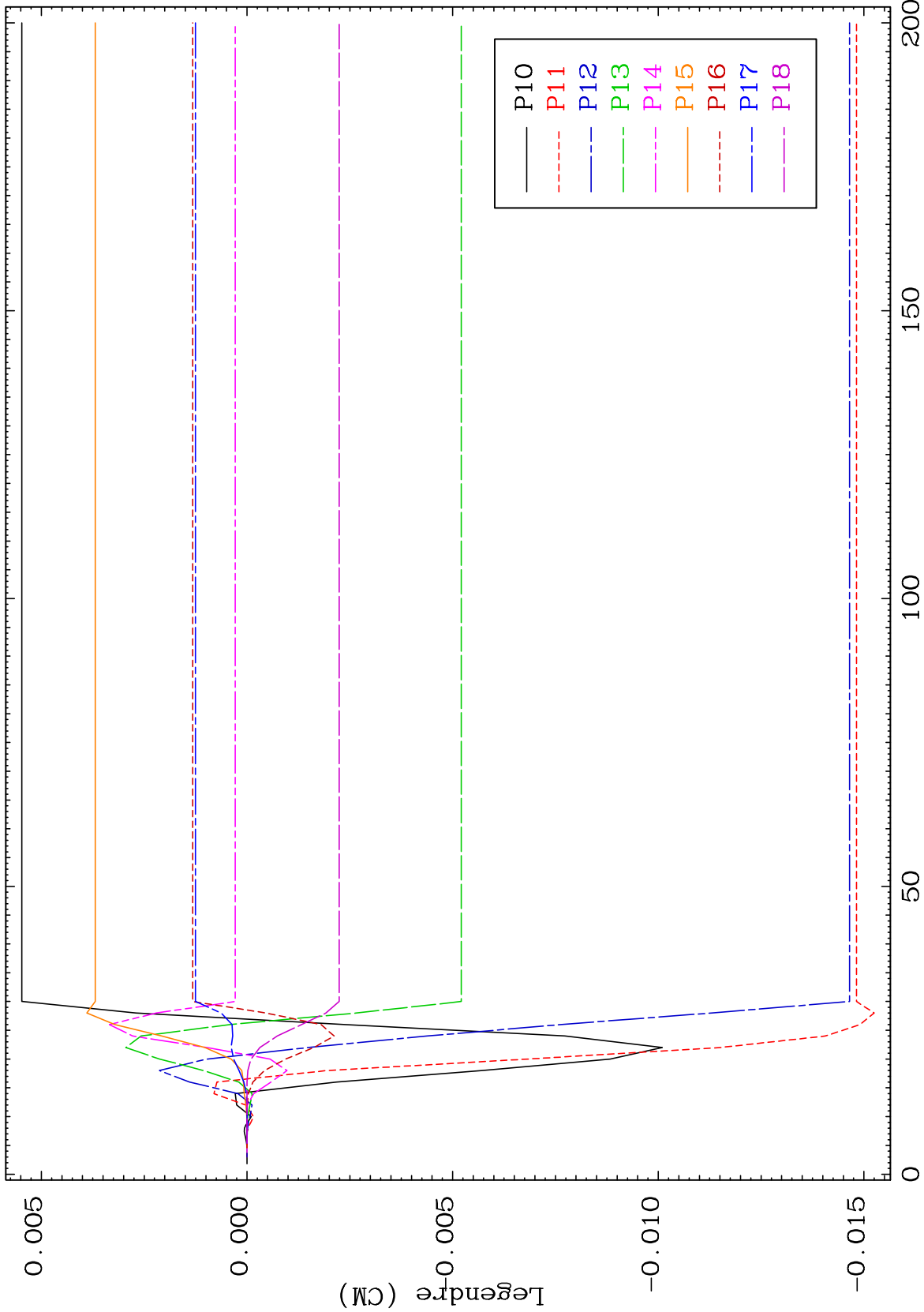
Incident Energy (MeV)

81-T1-199

MAT 8113

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

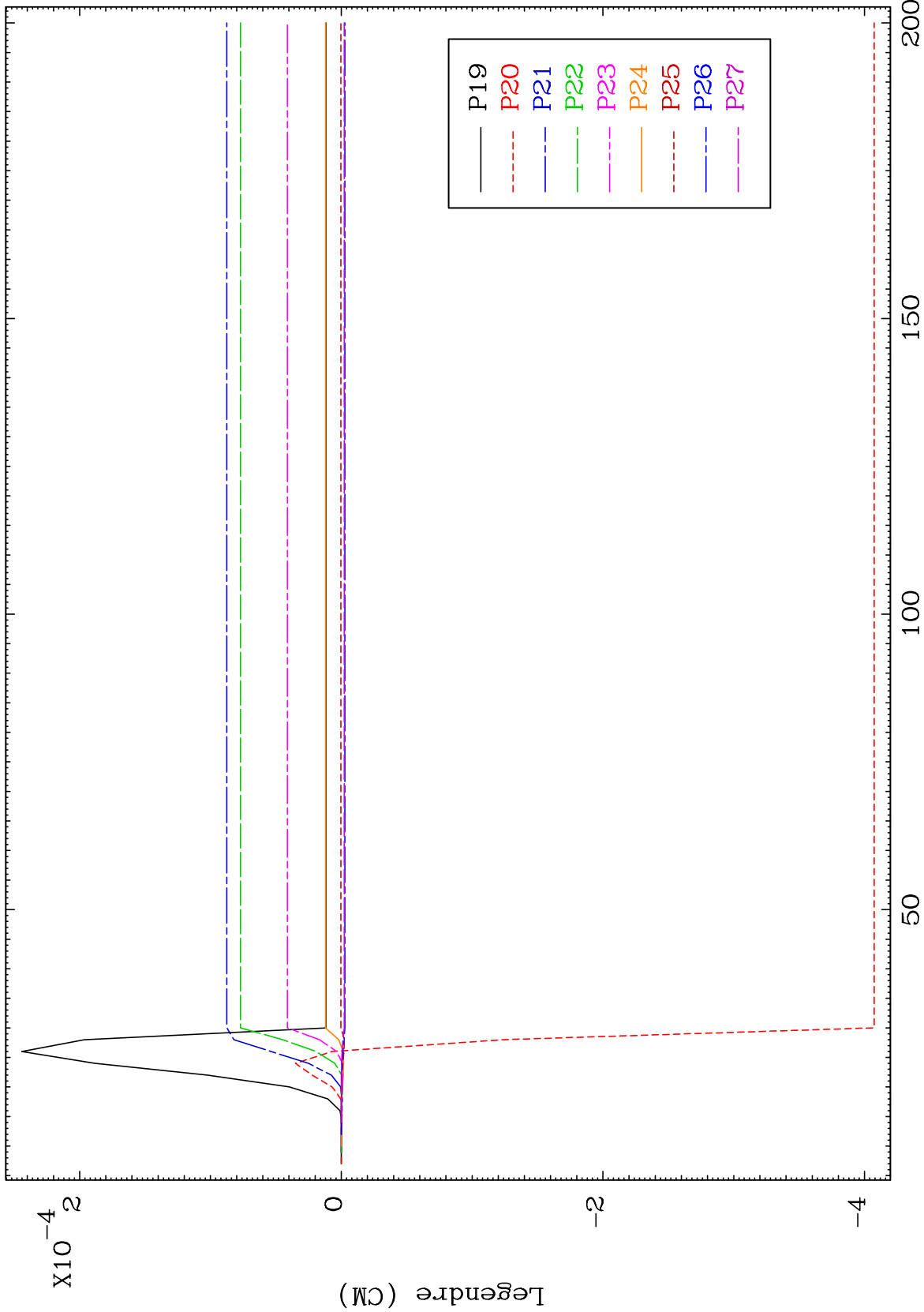
81-T1-199



85

Incident Energy (MeV)

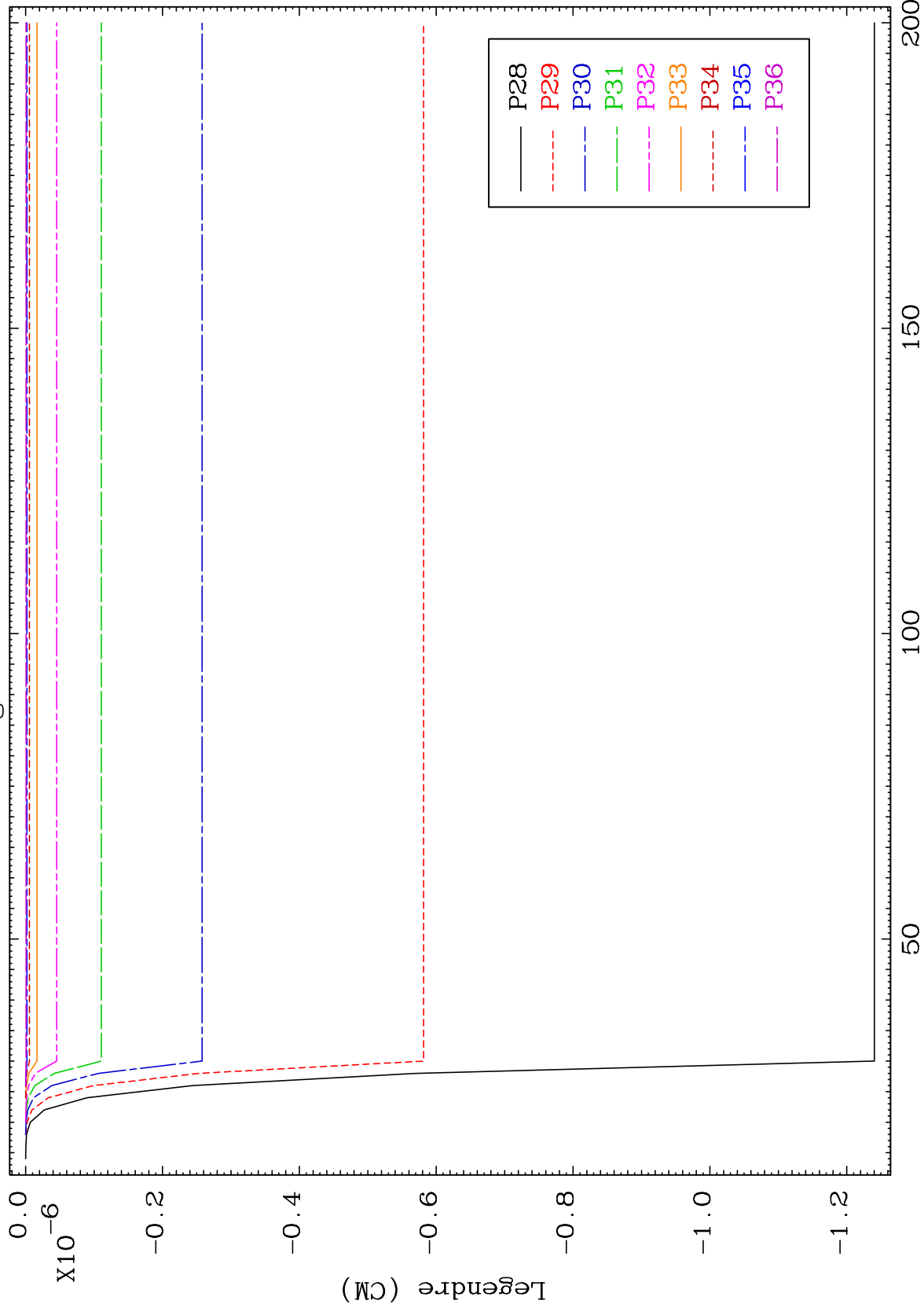
81-T1-199



MAT 81113

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

81-T1-199



87

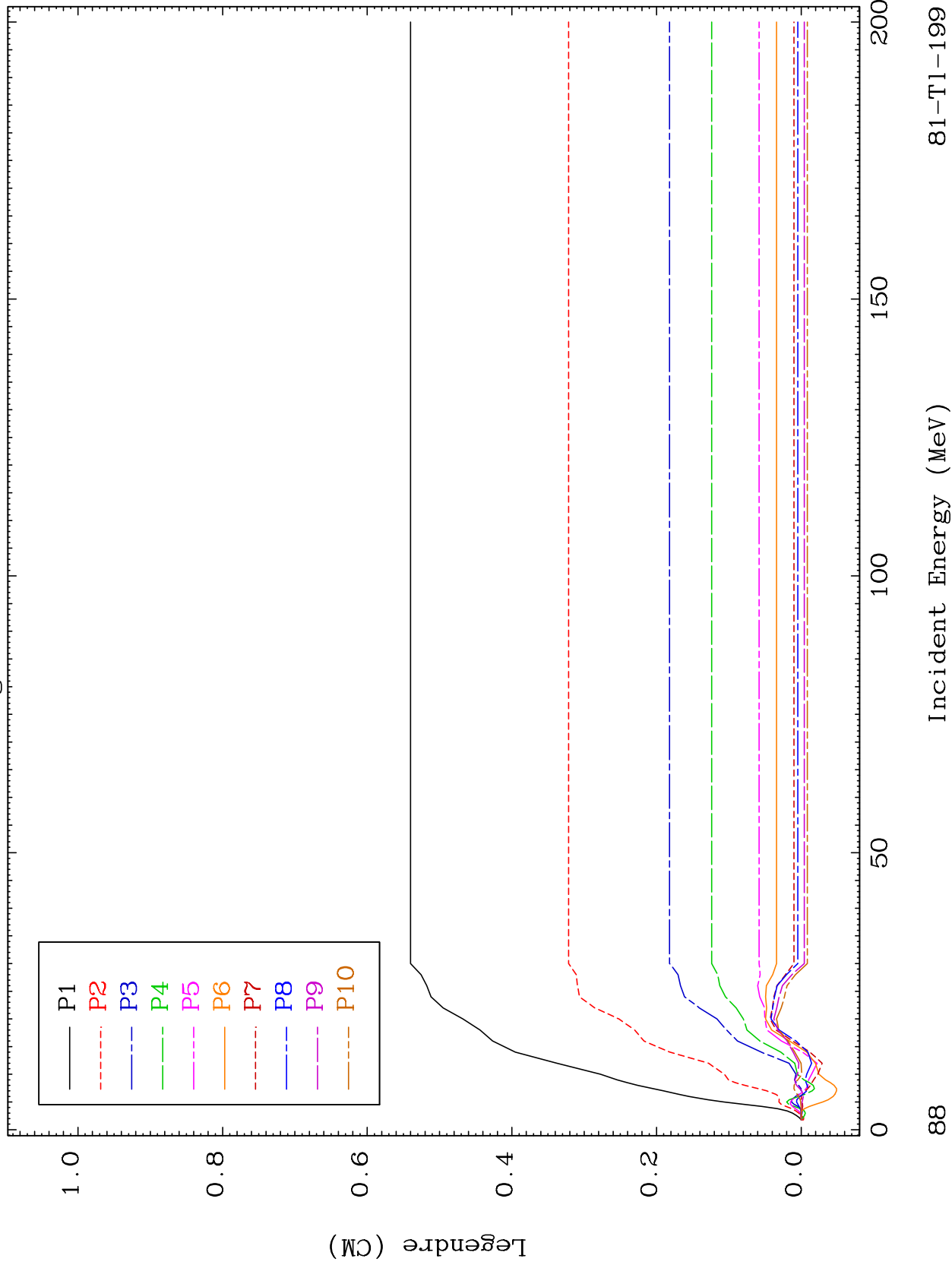
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



88

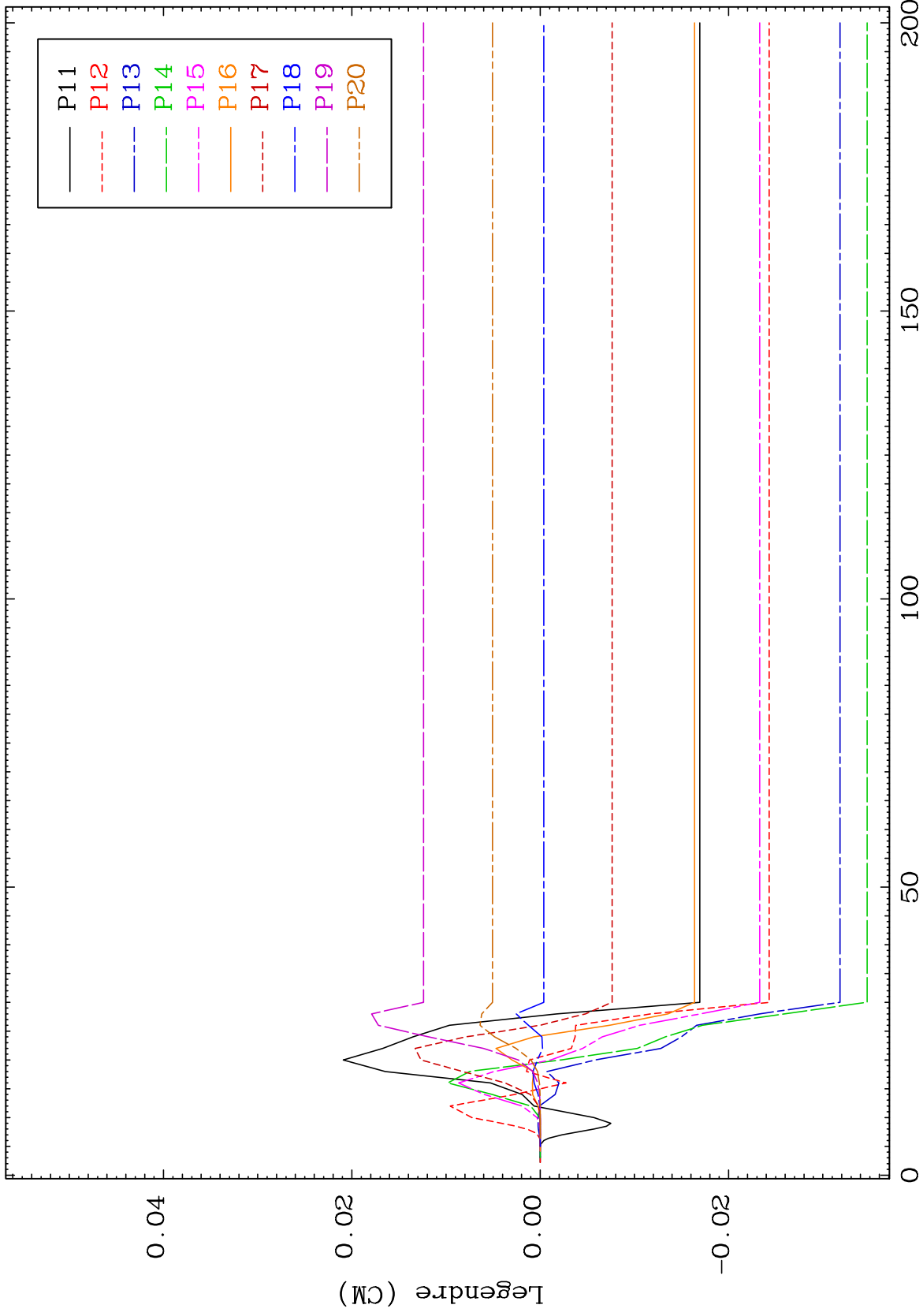
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



89

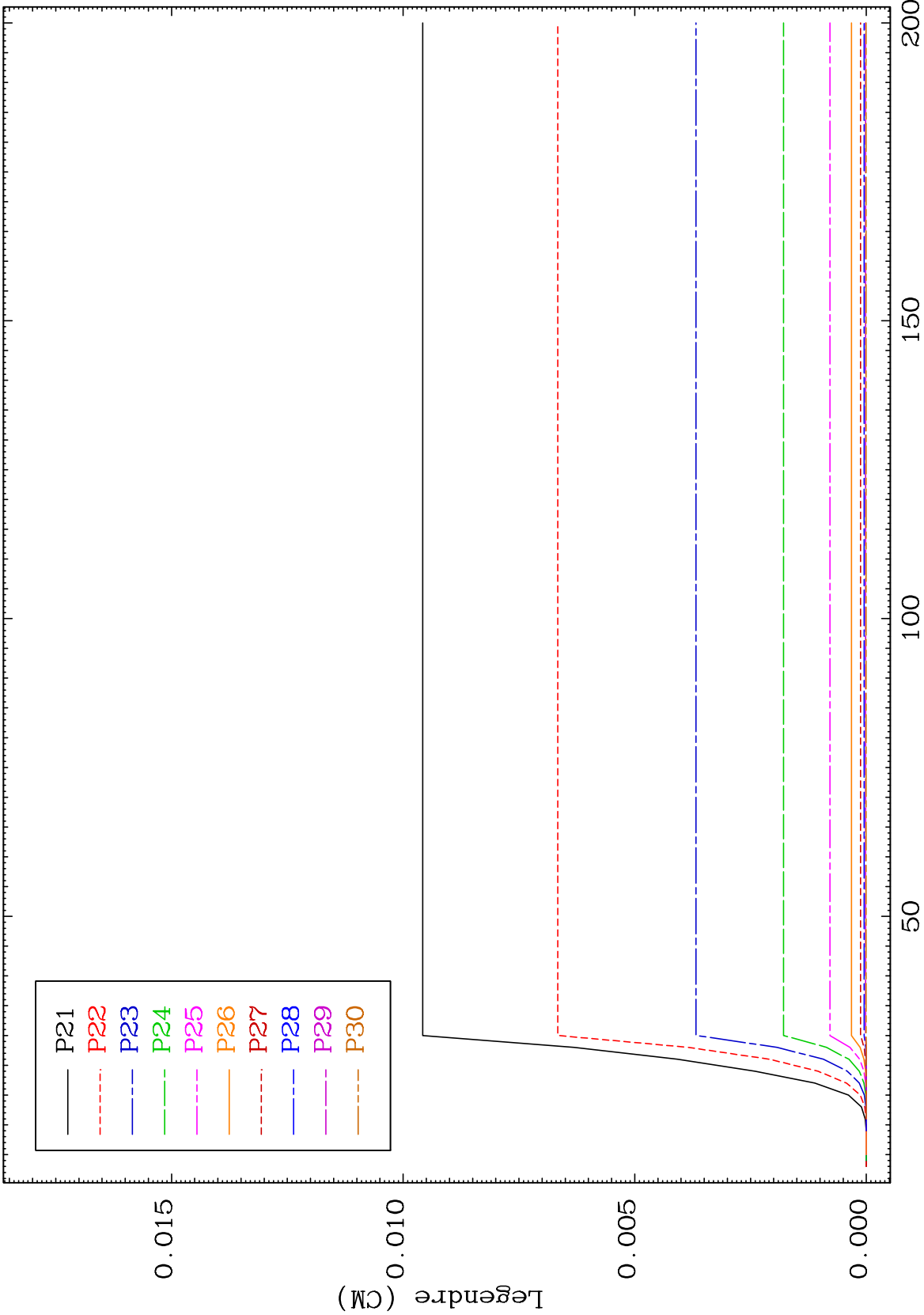
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-T1-199



90

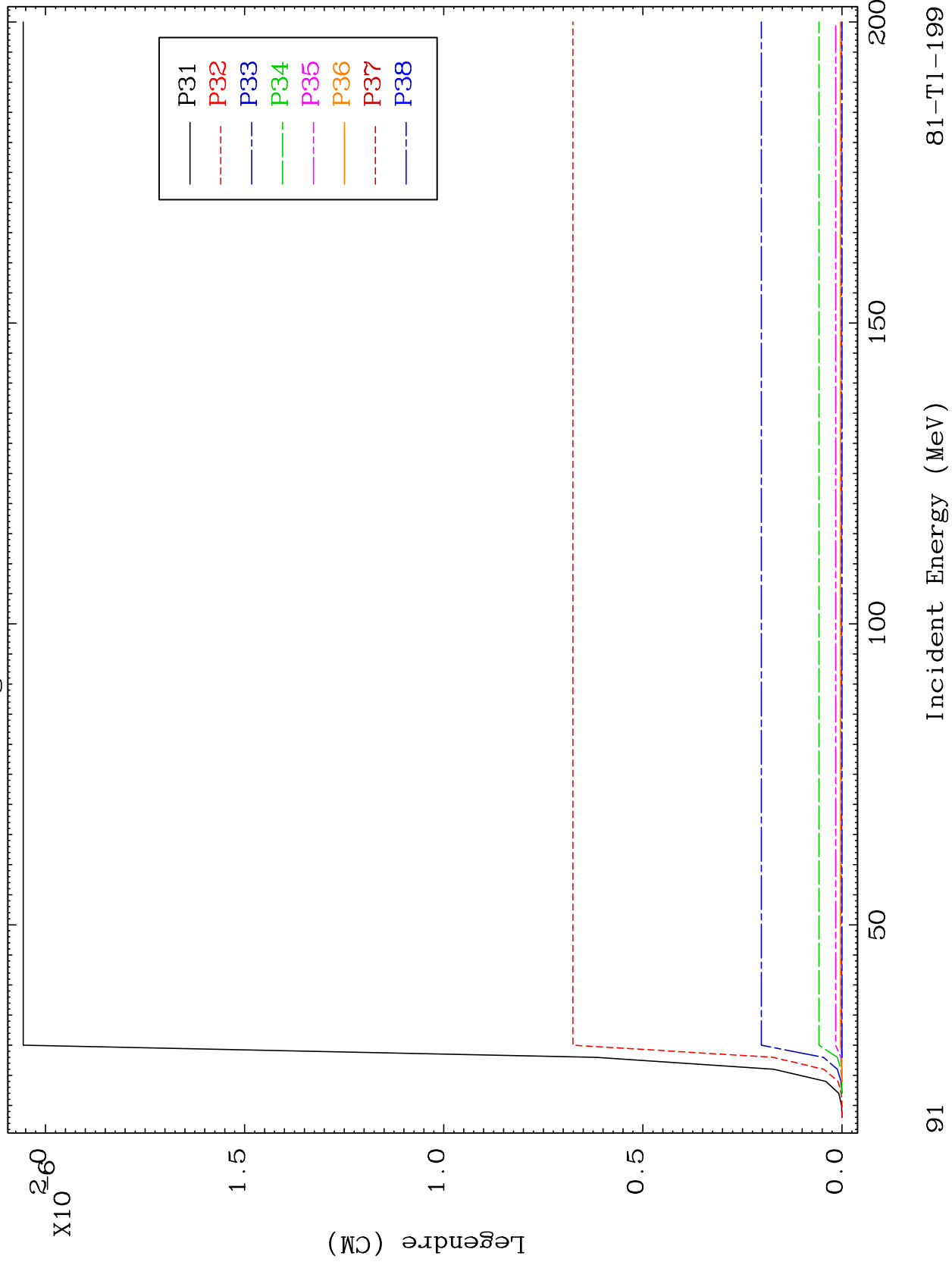
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



91

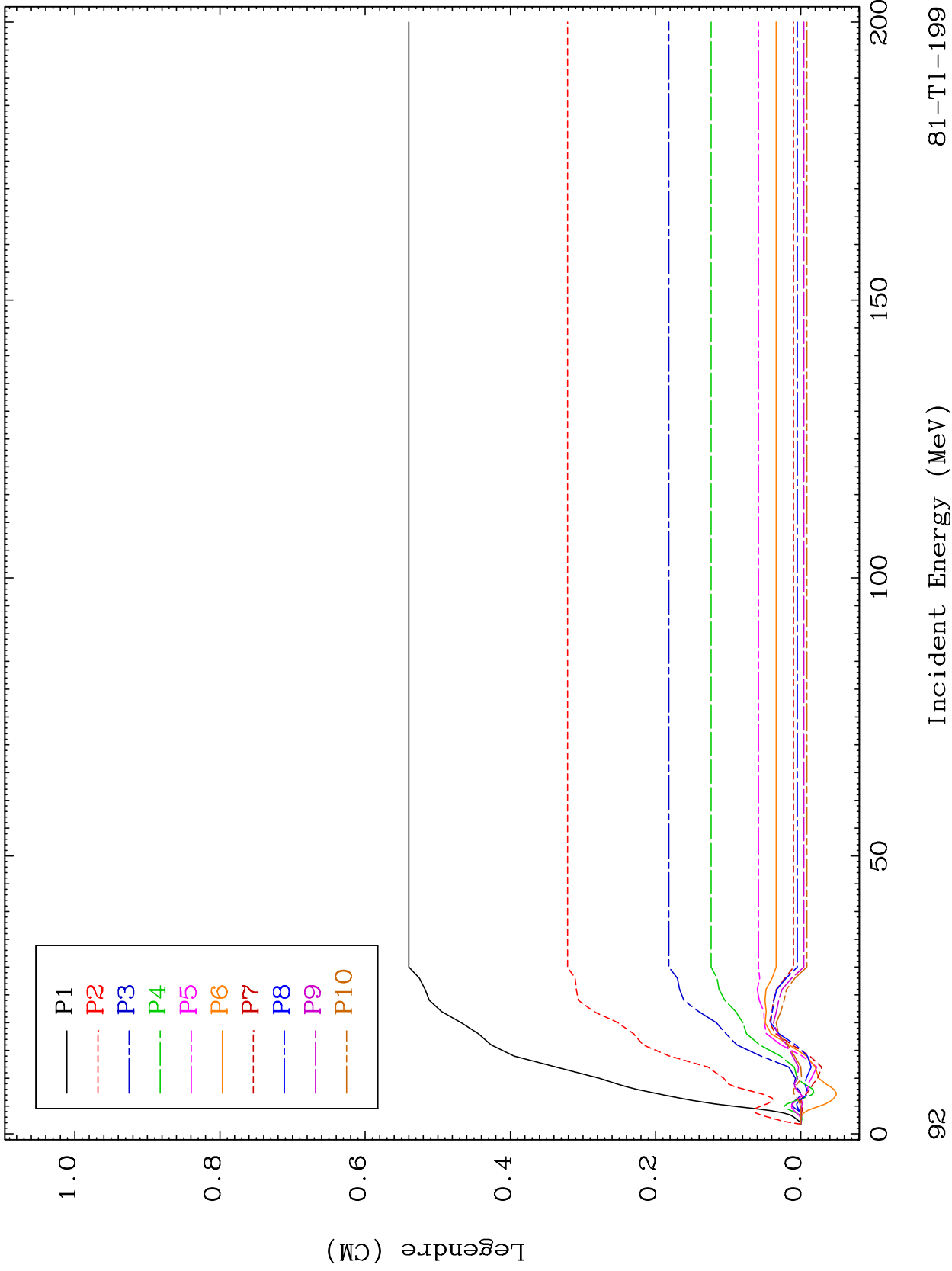
Incident Energy (MeV)

81-T1-199

MAT 81113

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

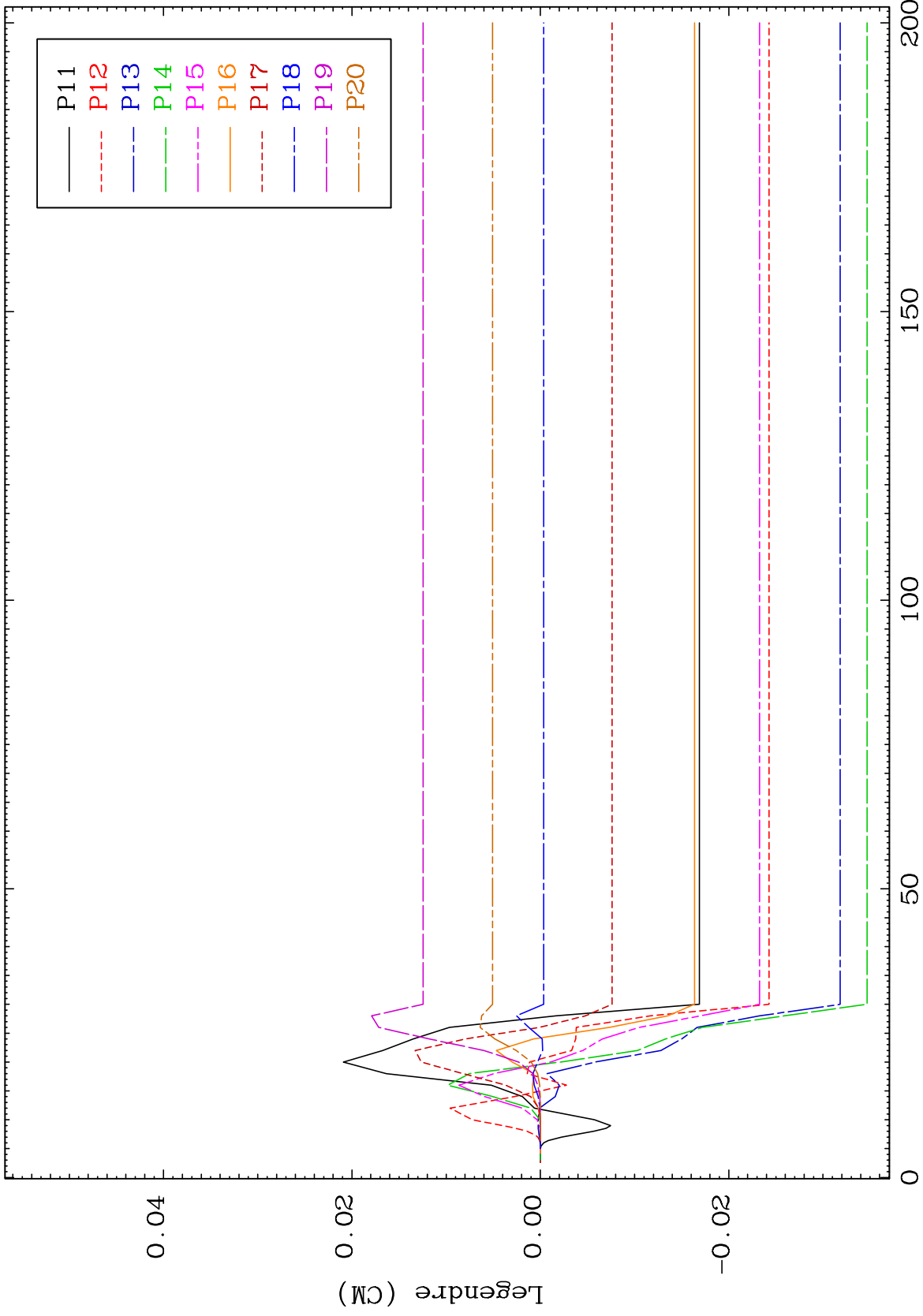
81-T1-199



MAT 81113

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

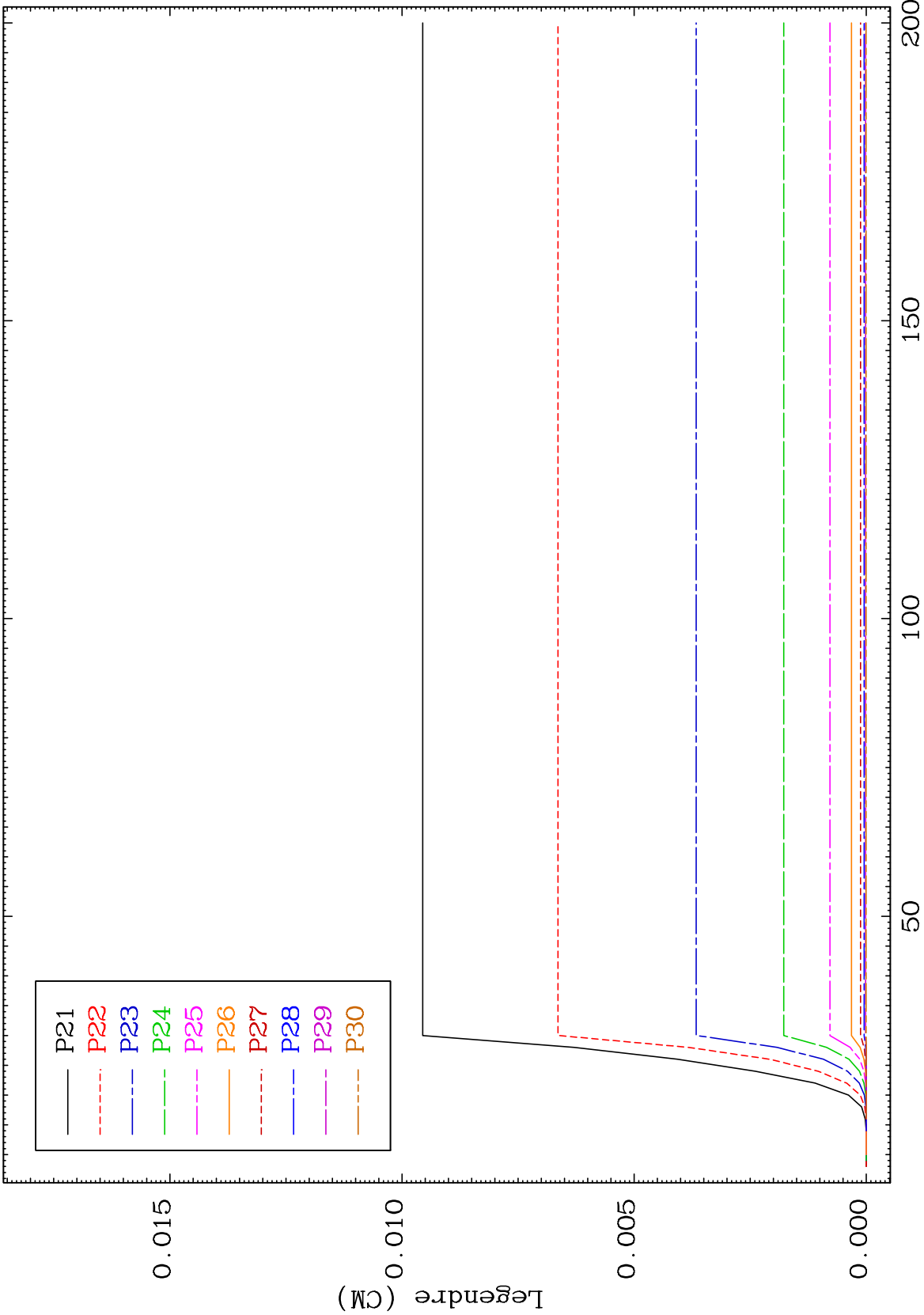
81-T1-199



93

Incident Energy (MeV)

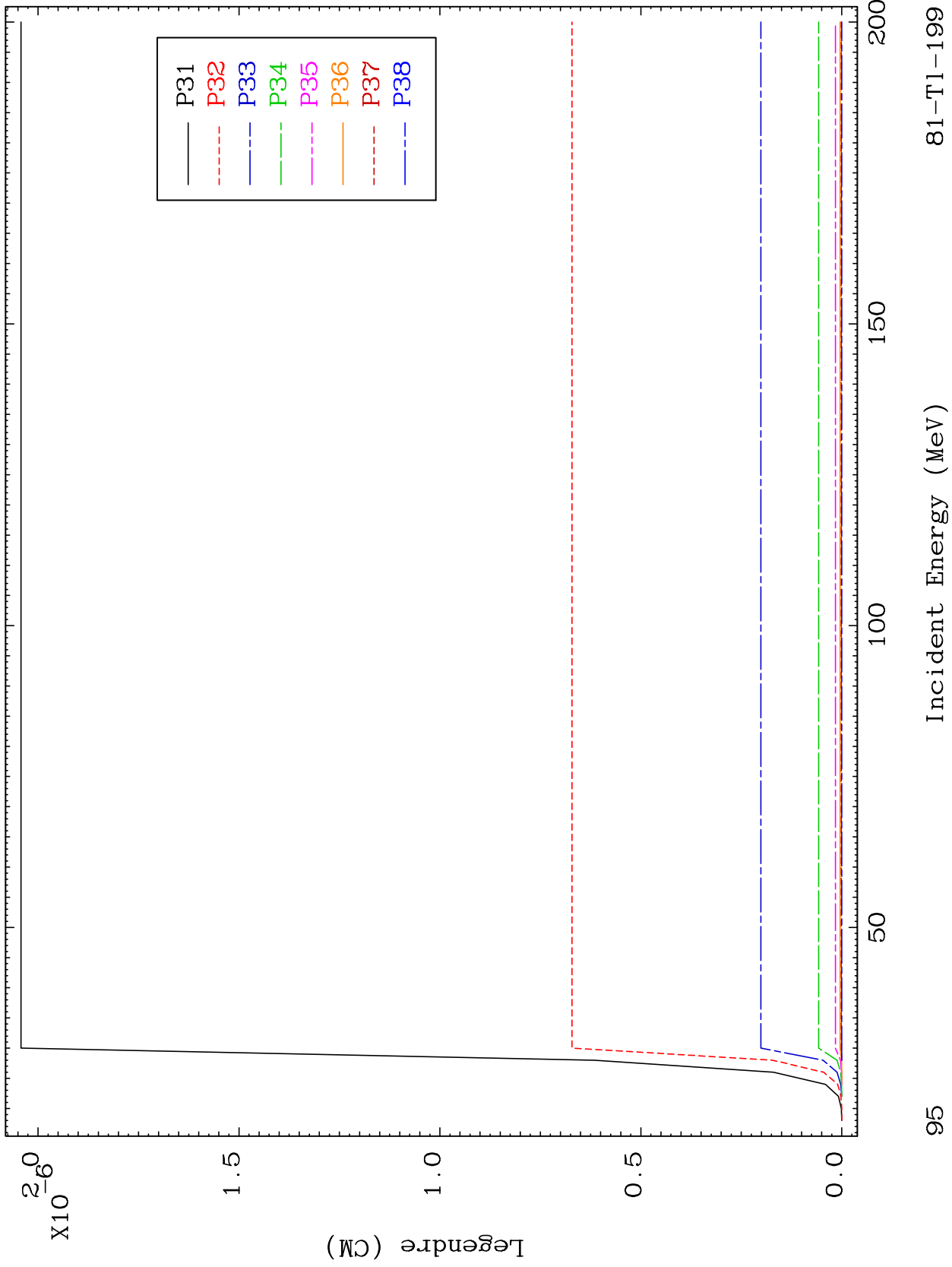
81-T1-199



MAT 81113

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

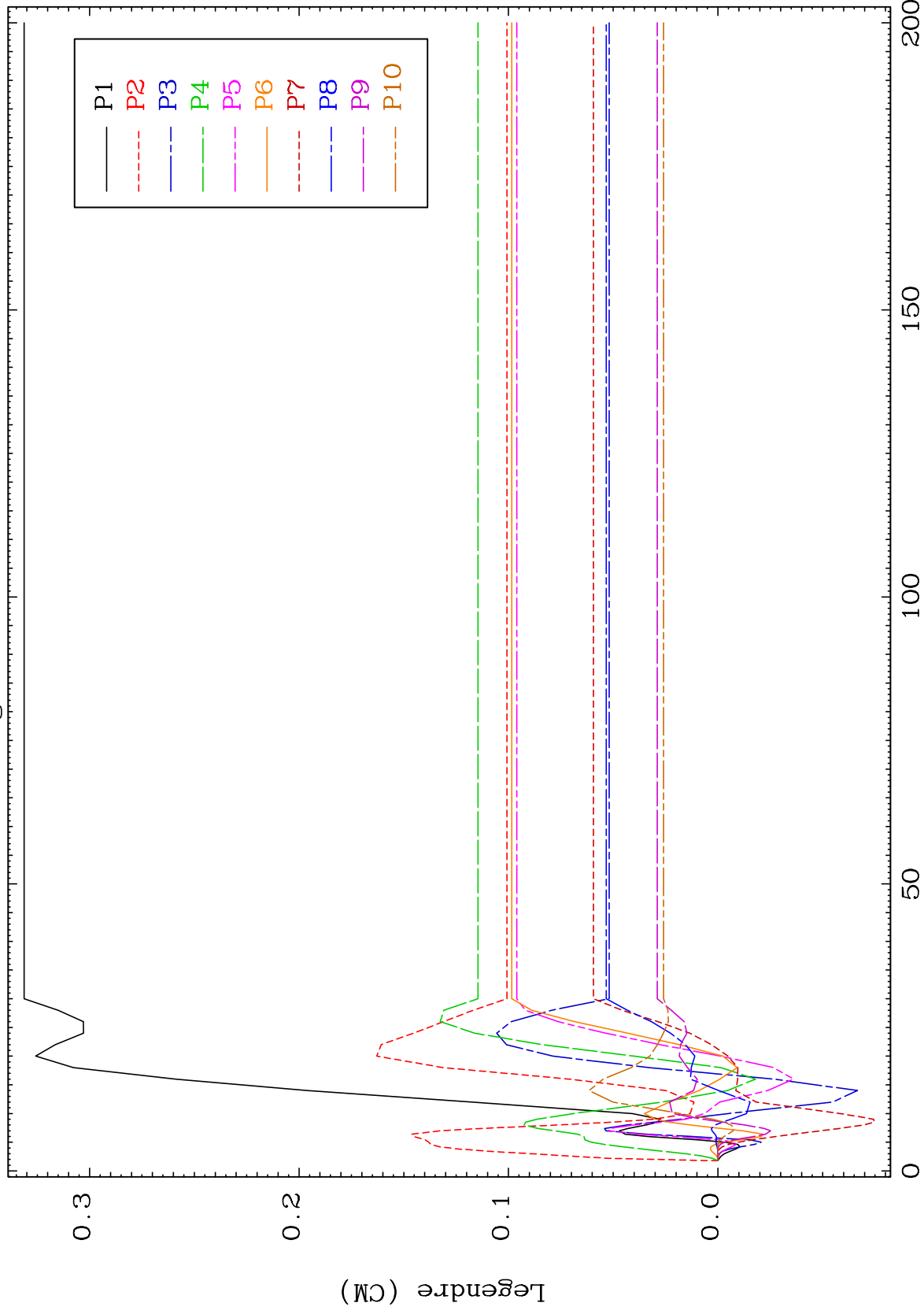
81-Tl-199



MAT 8113

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

81-T1-199



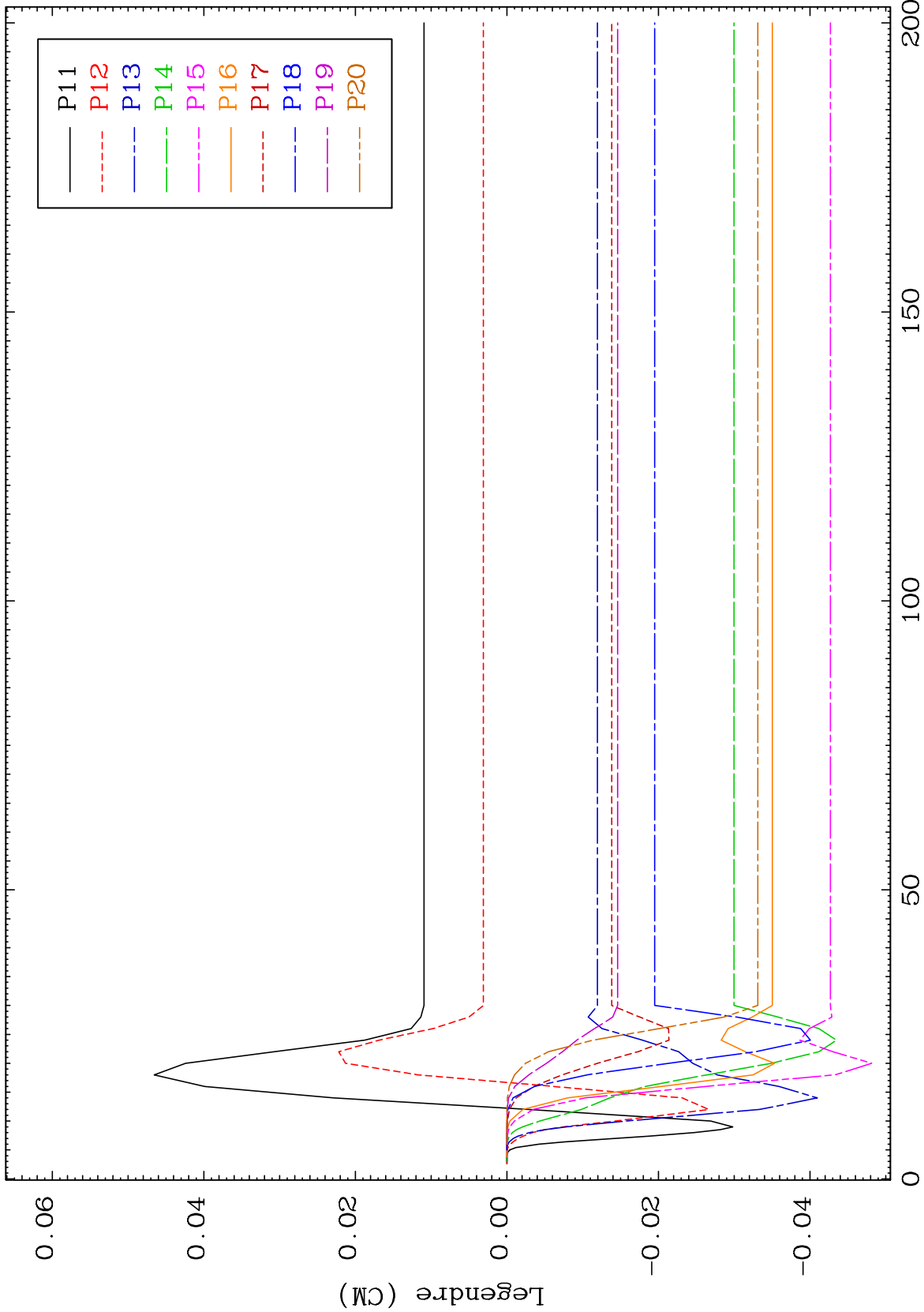
96

81-T1-199

MAT 81113

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

81-T1-199



97

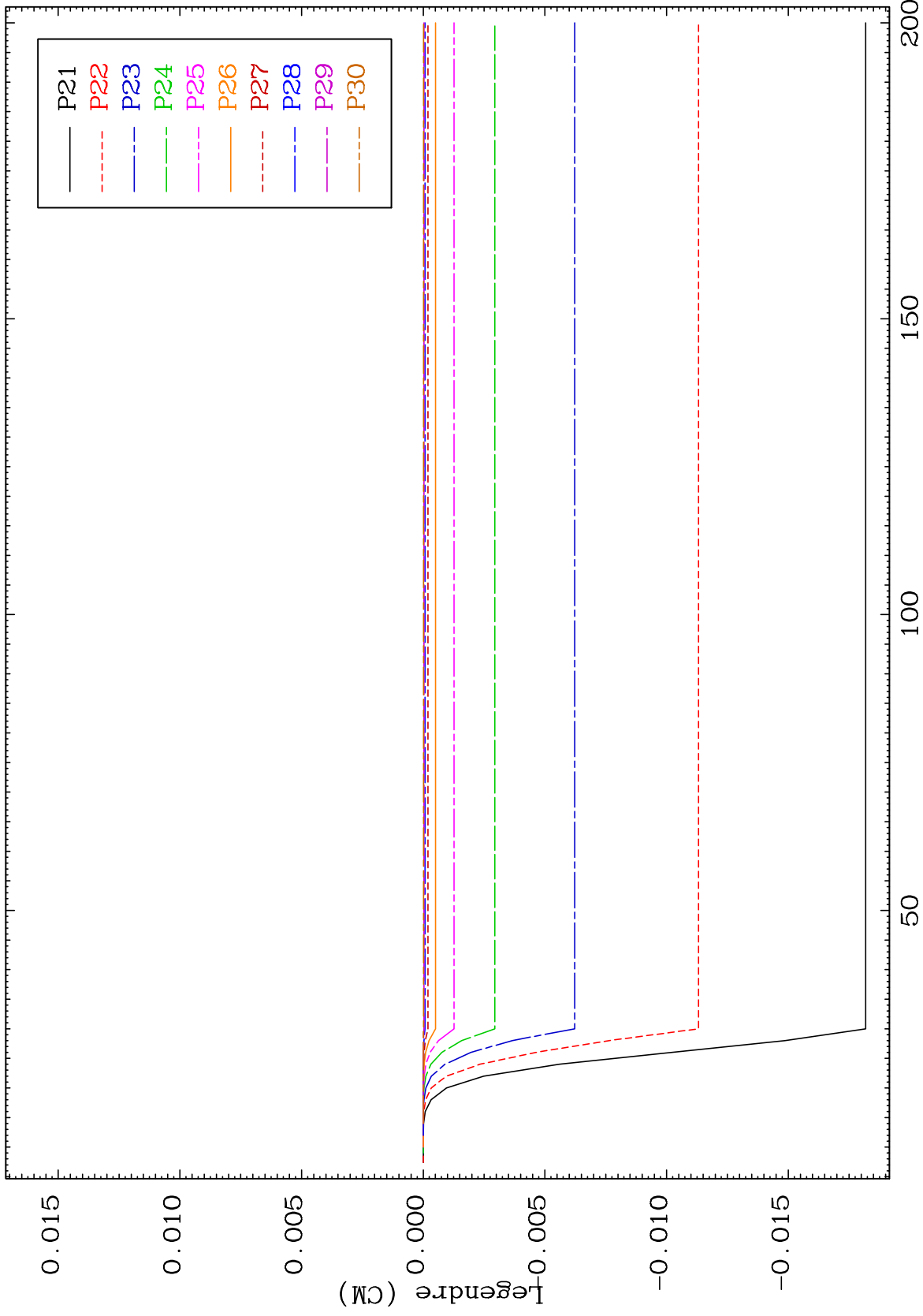
Incident Energy (MeV)

81-T1-199

MAT 81113

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

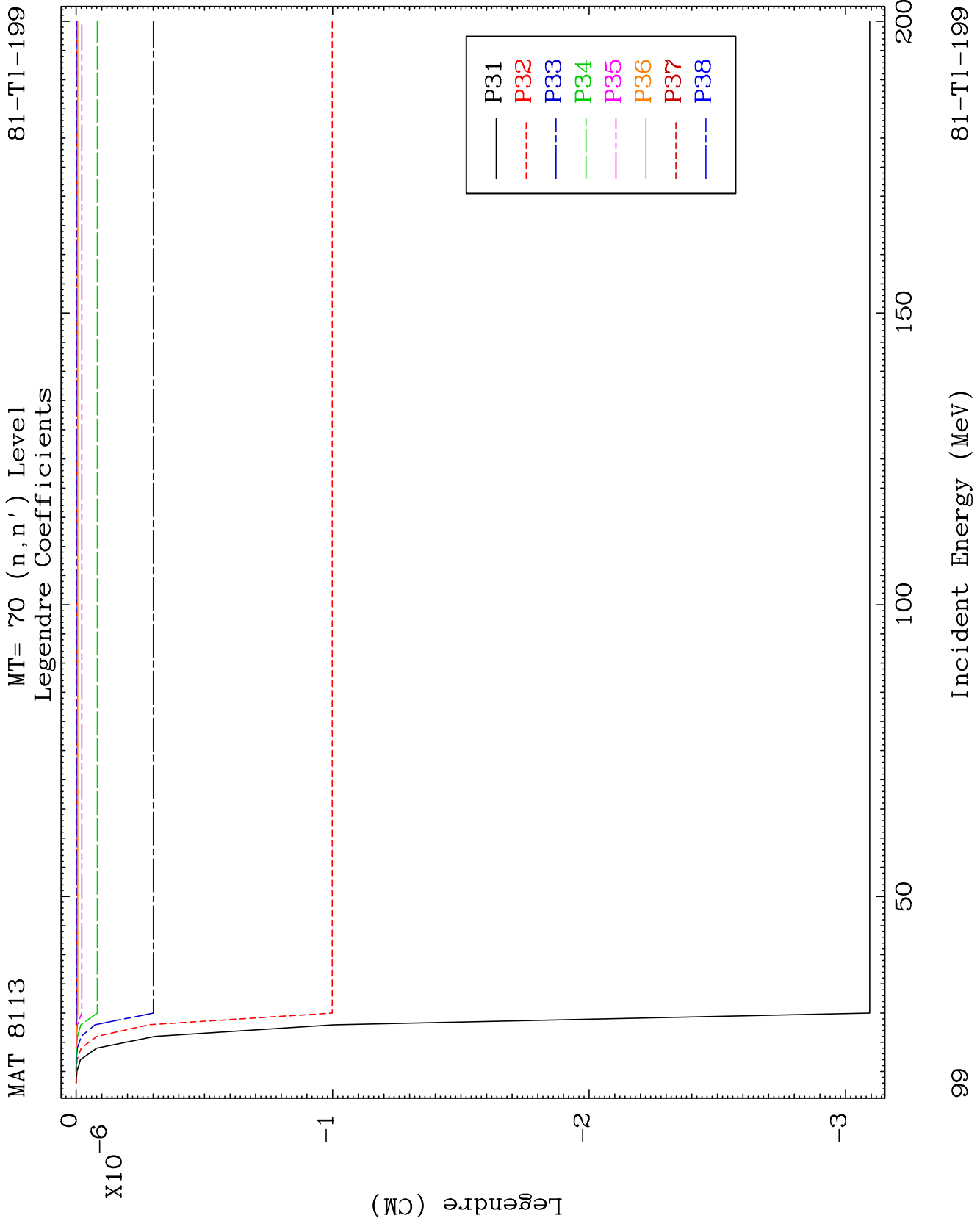
81-T1-199



98

Incident Energy (MeV)

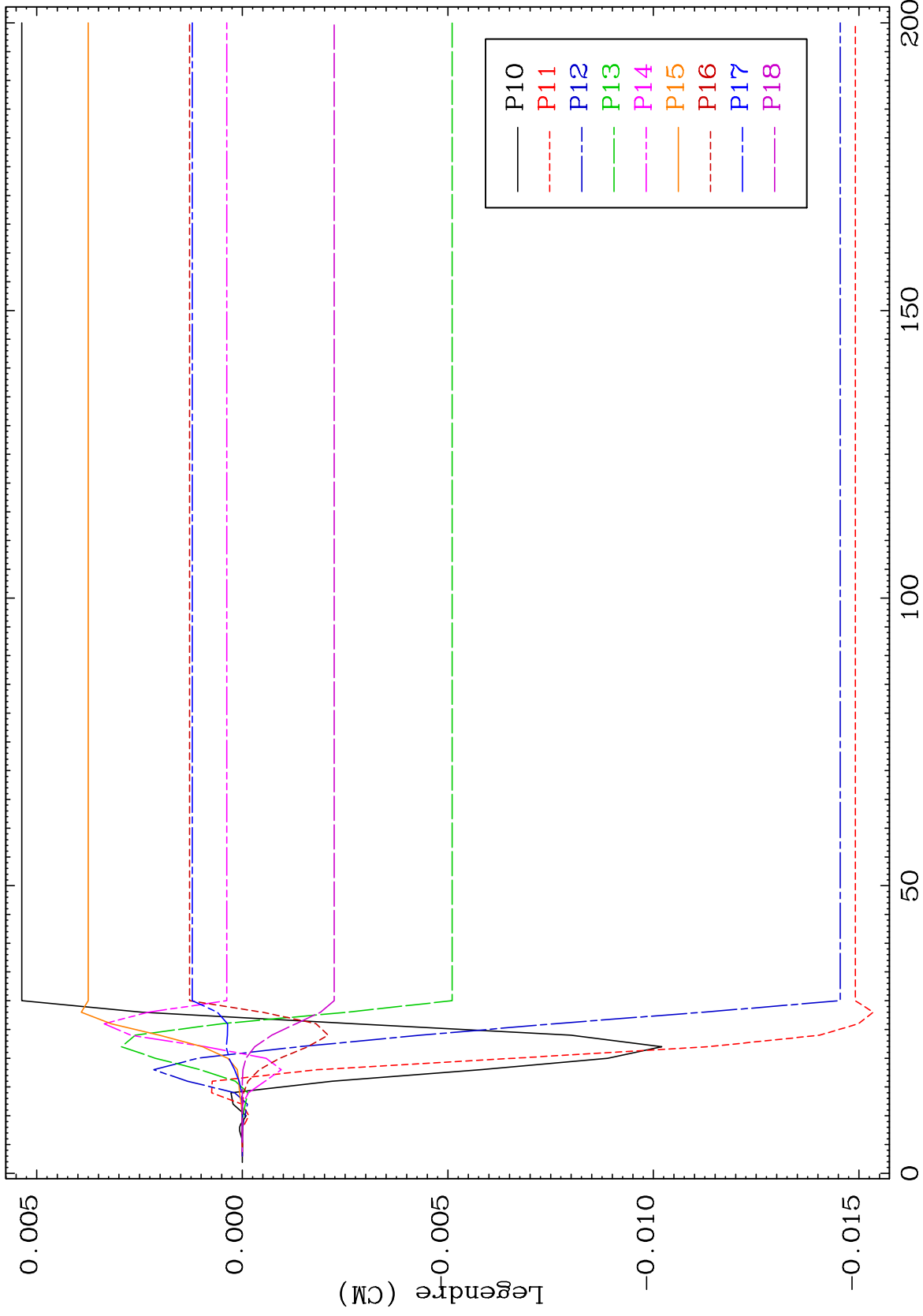
81-T1-199



MAT 8113

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

81-T1-199



101

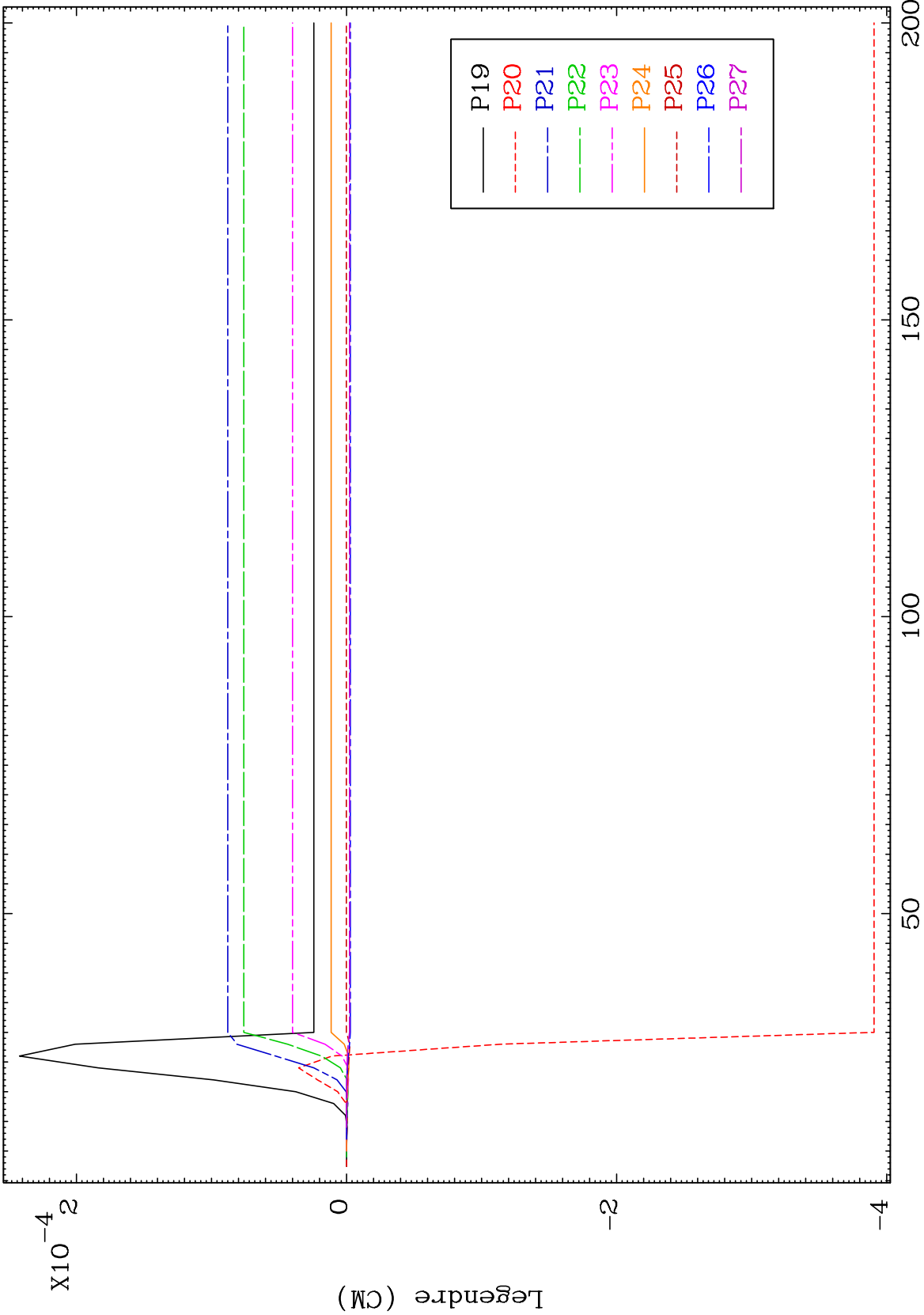
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-T1-199



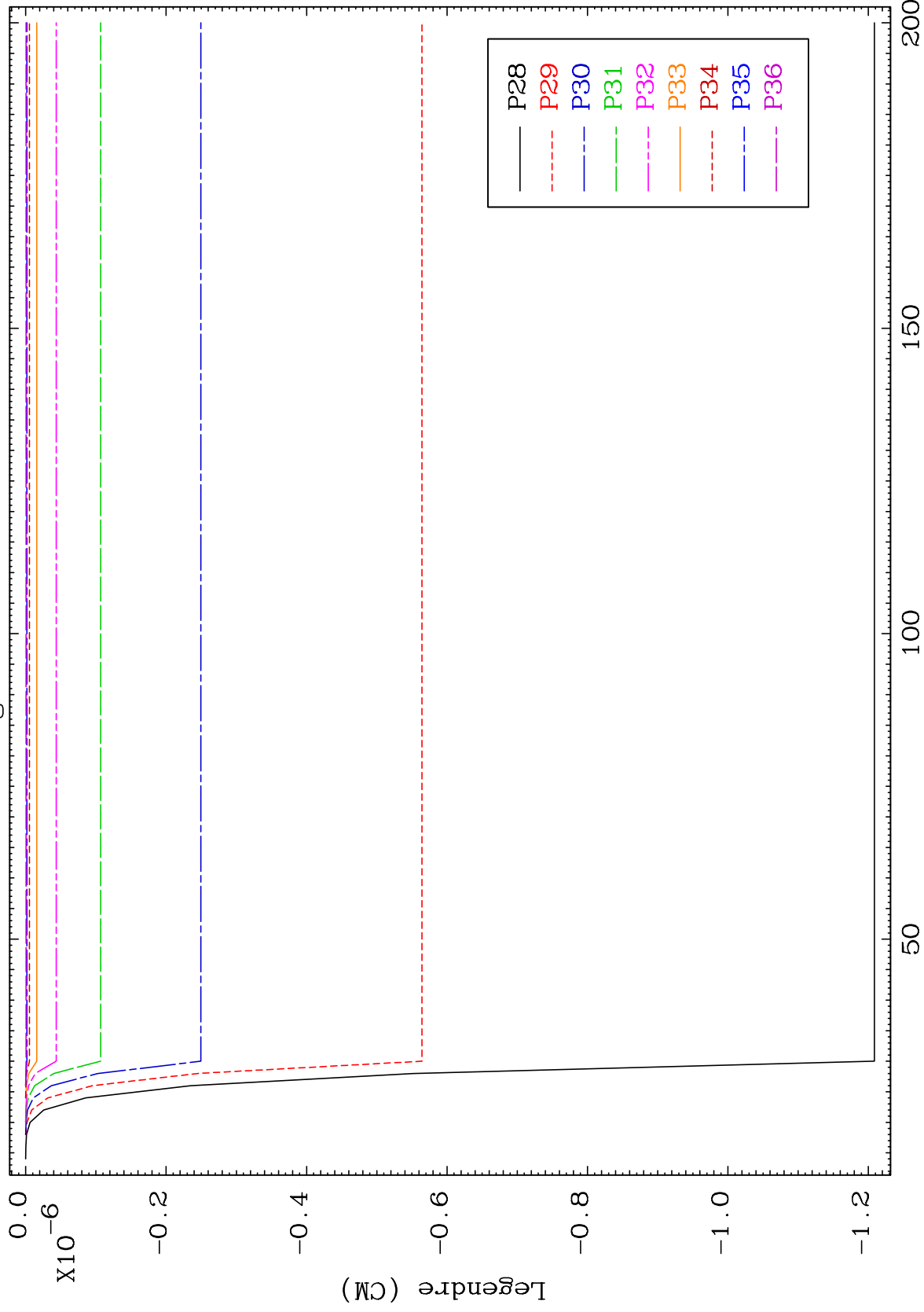
102

81-T1-199

MAT 81113

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

81-T1-199



103

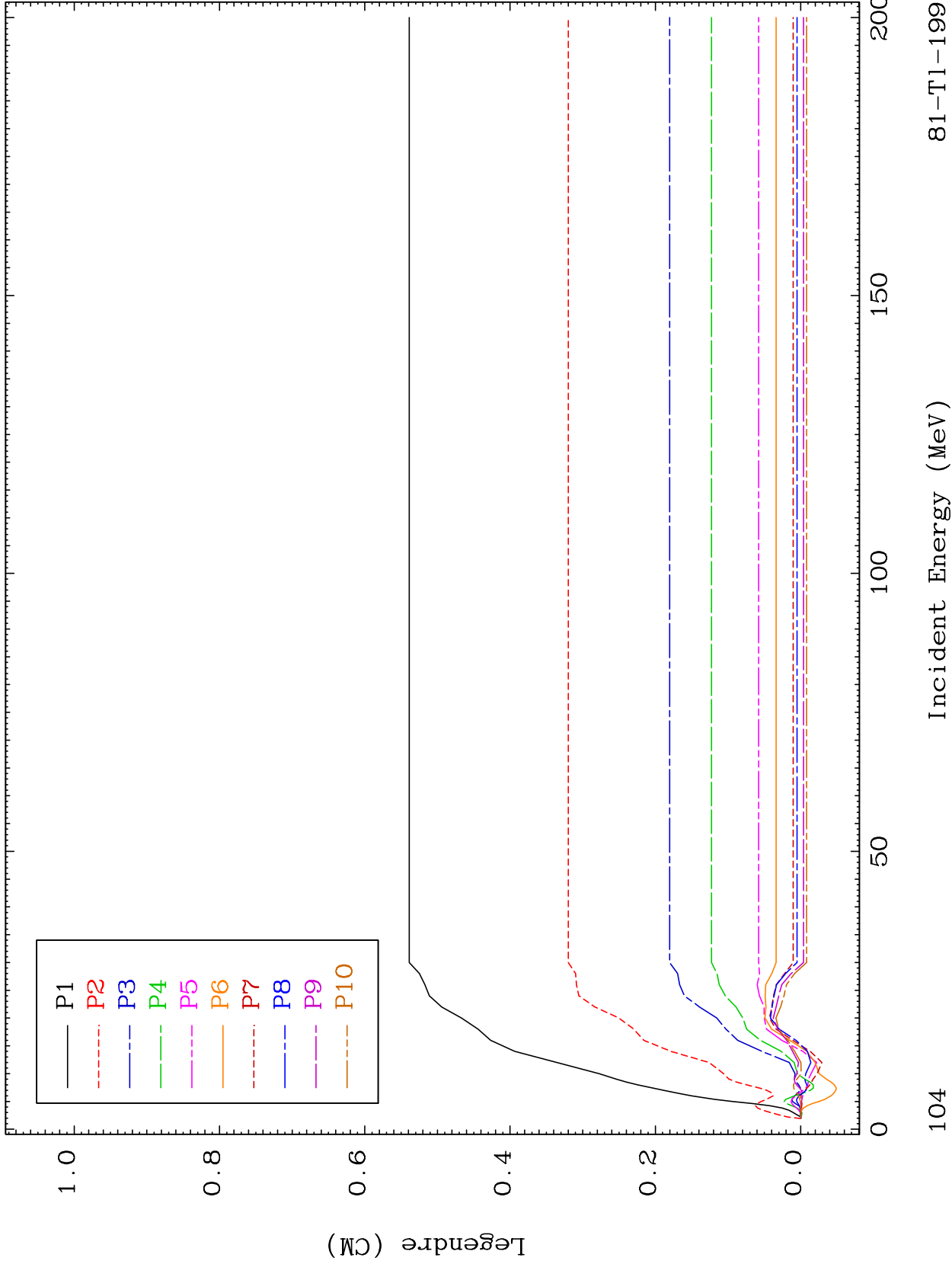
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199

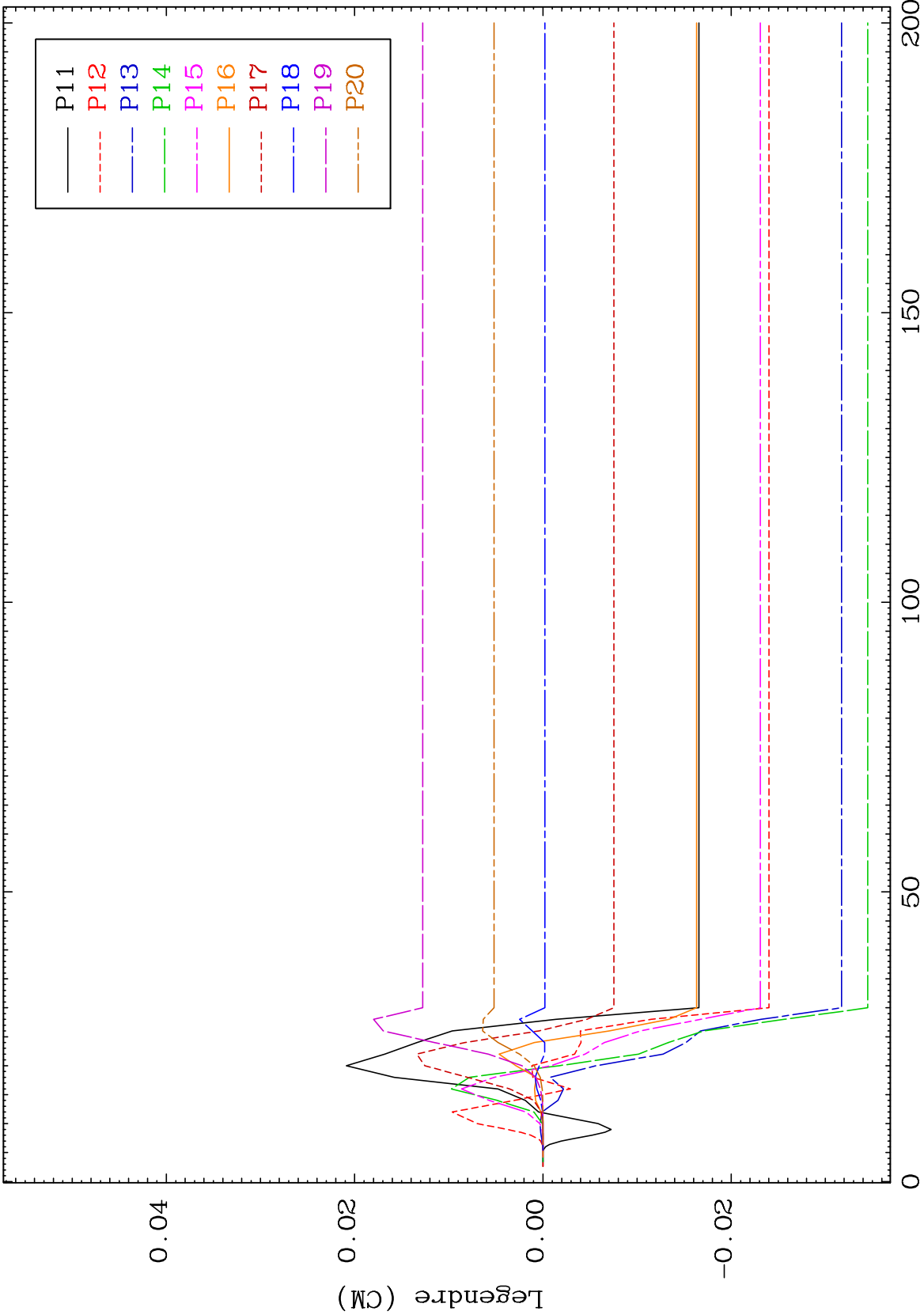


104

MAT 8113

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

81-T1-199



81-T1-199

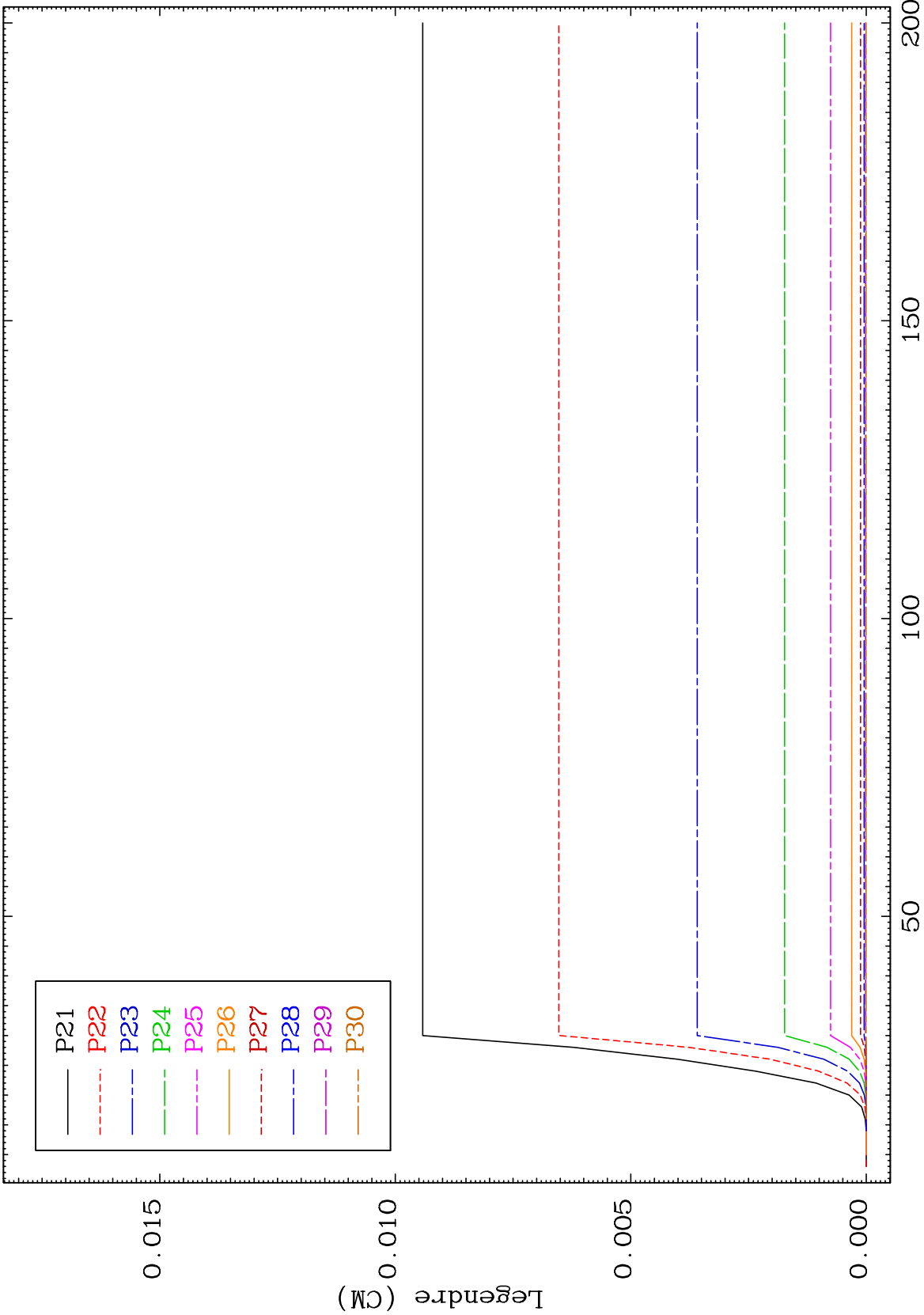
Incident Energy (MeV)

105

MAT 81113

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

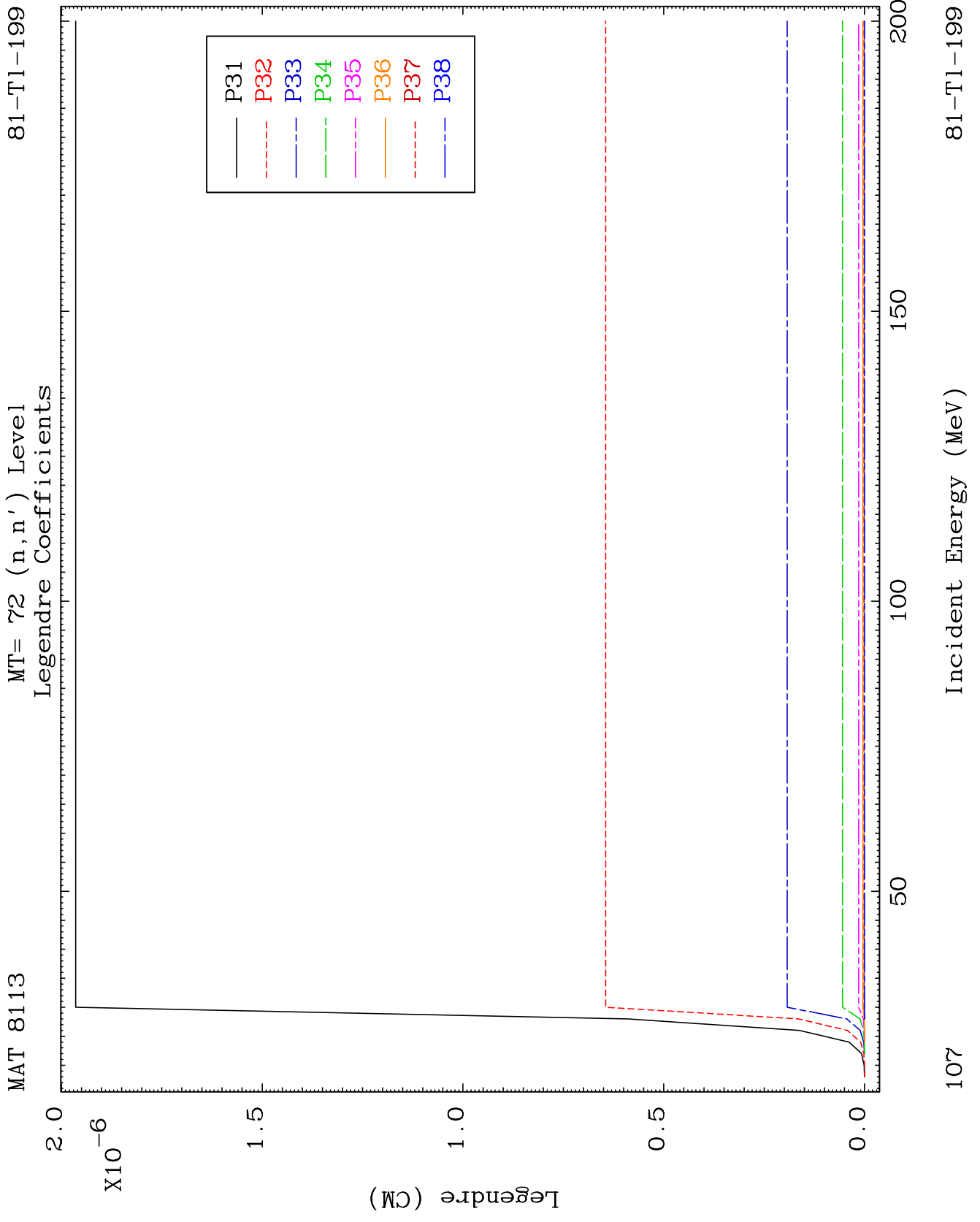
81-T1-199



106

Incident Energy (MeV)

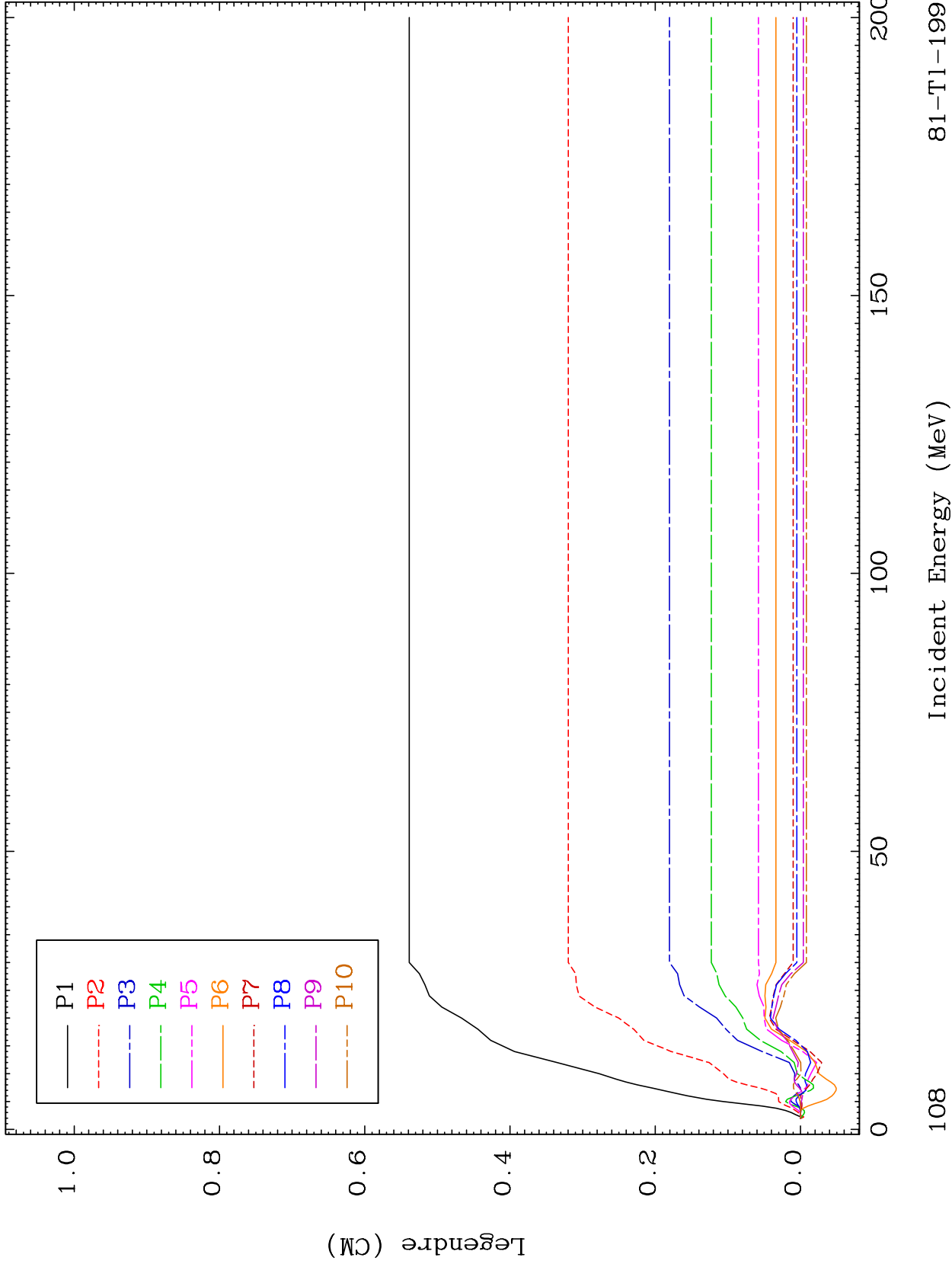
81-T1-199



MAT 81113

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

81-T1-199



108

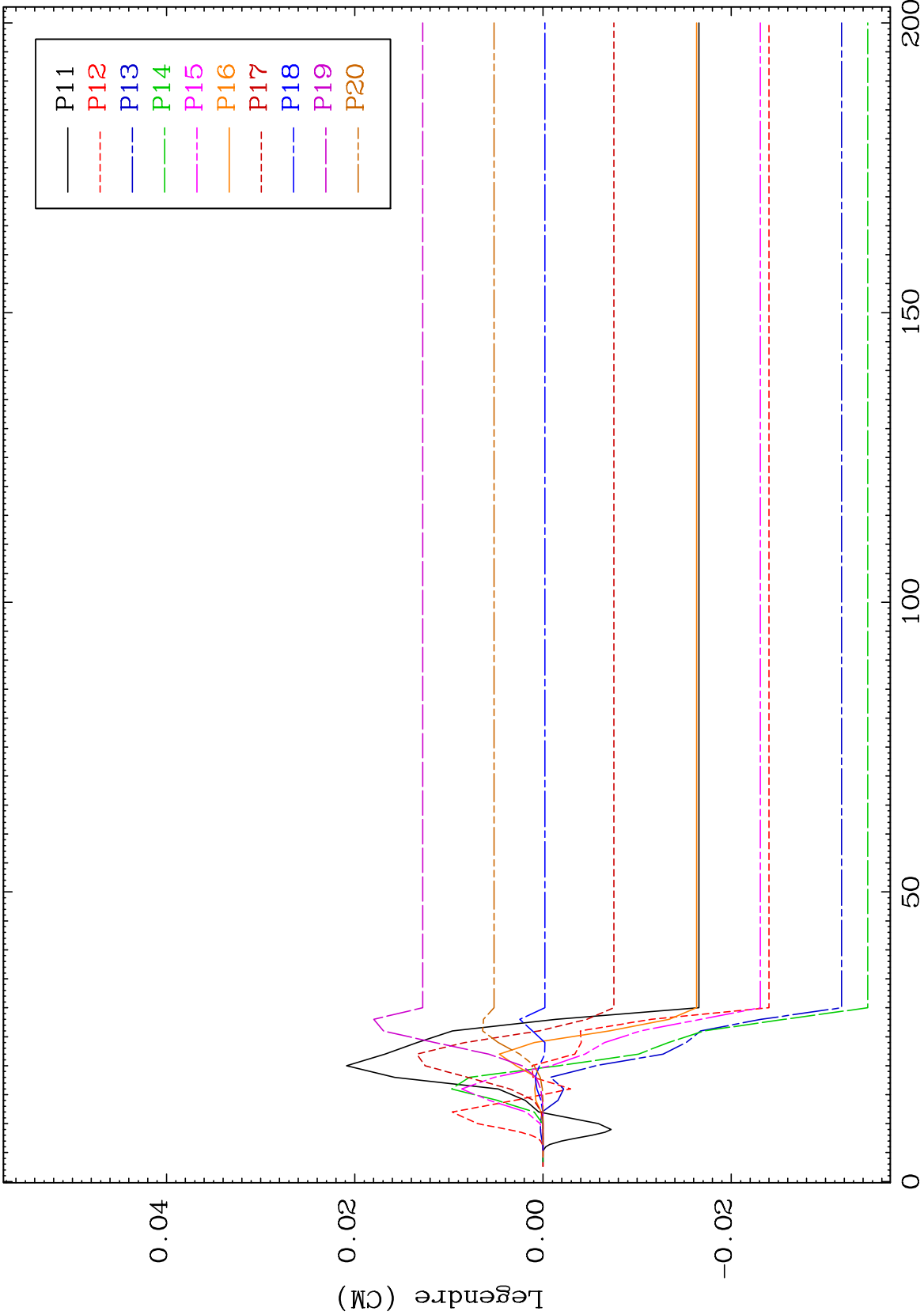
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



109

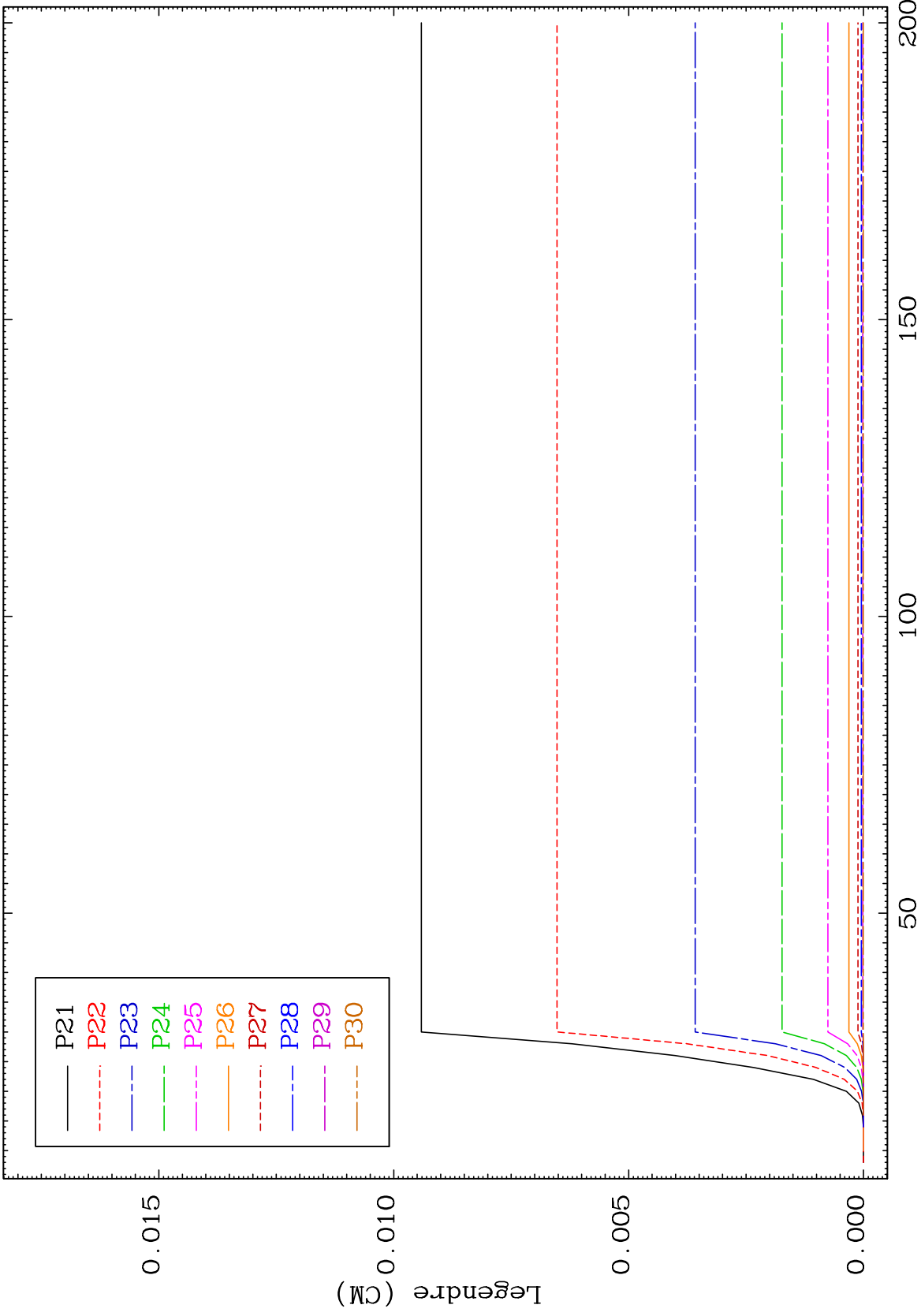
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



110

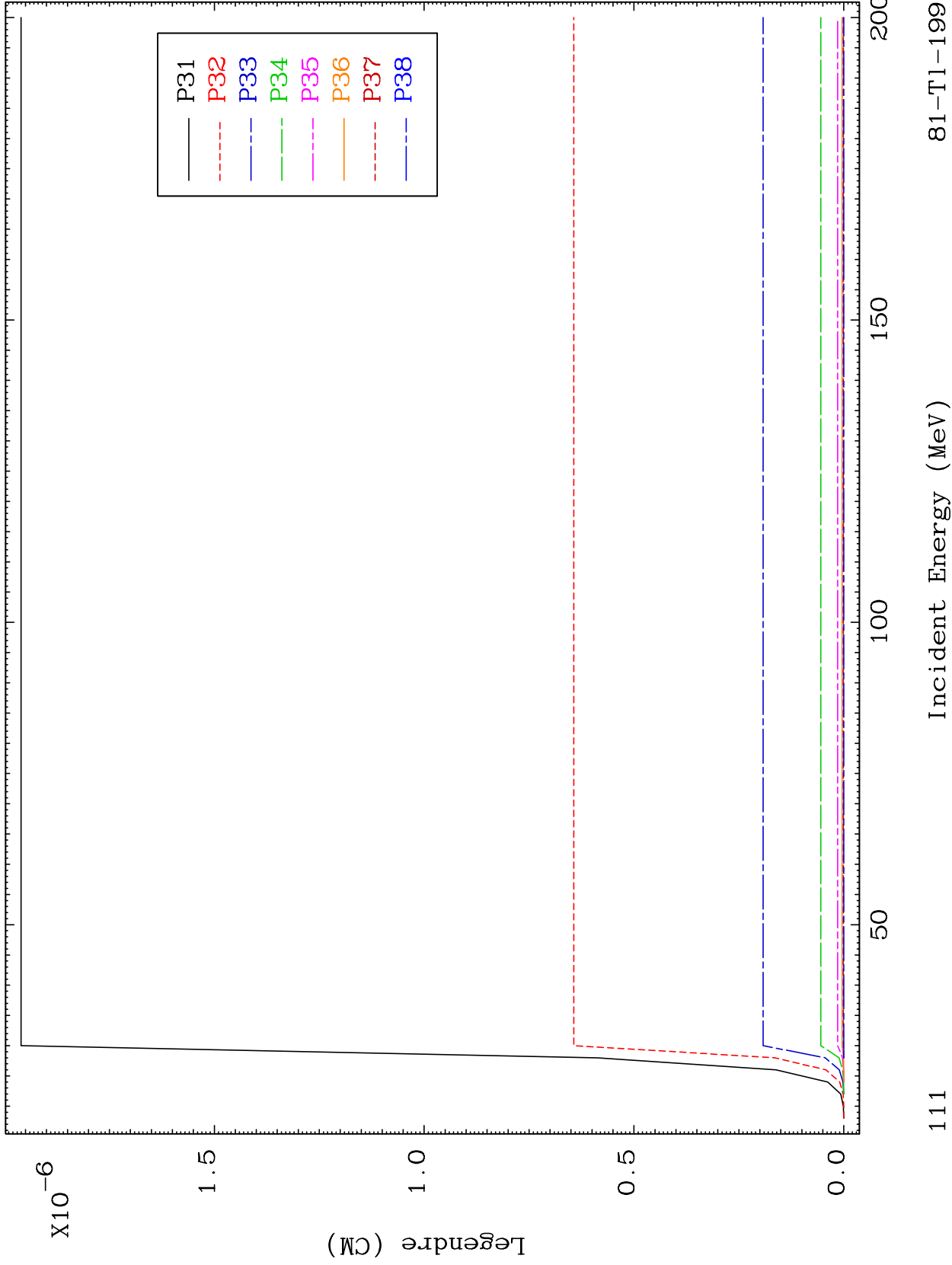
Incident Energy (MeV)

81-T1-199

MAT 81113

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

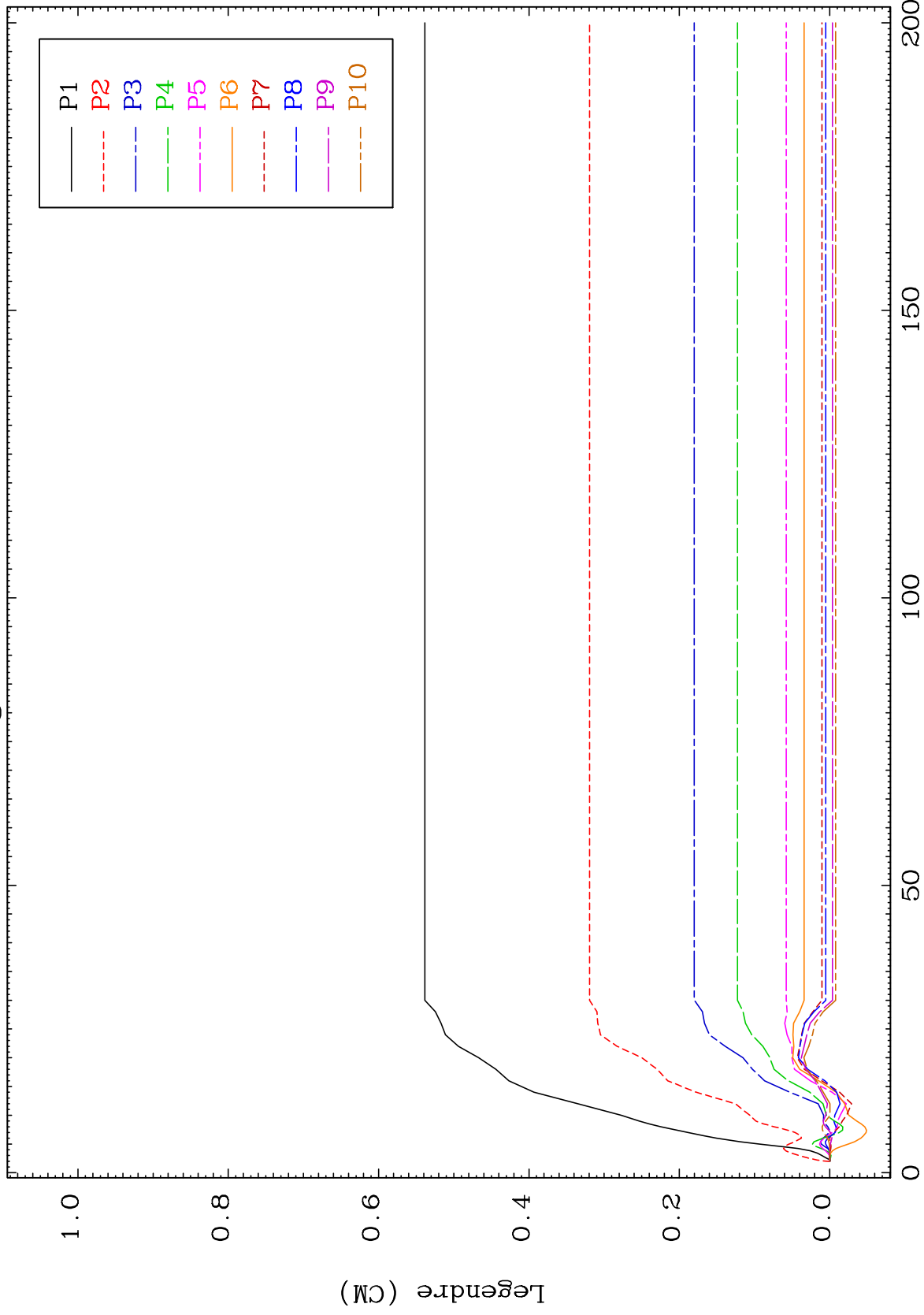
81-T1-199



MAT 81113

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

81-T1-199



112

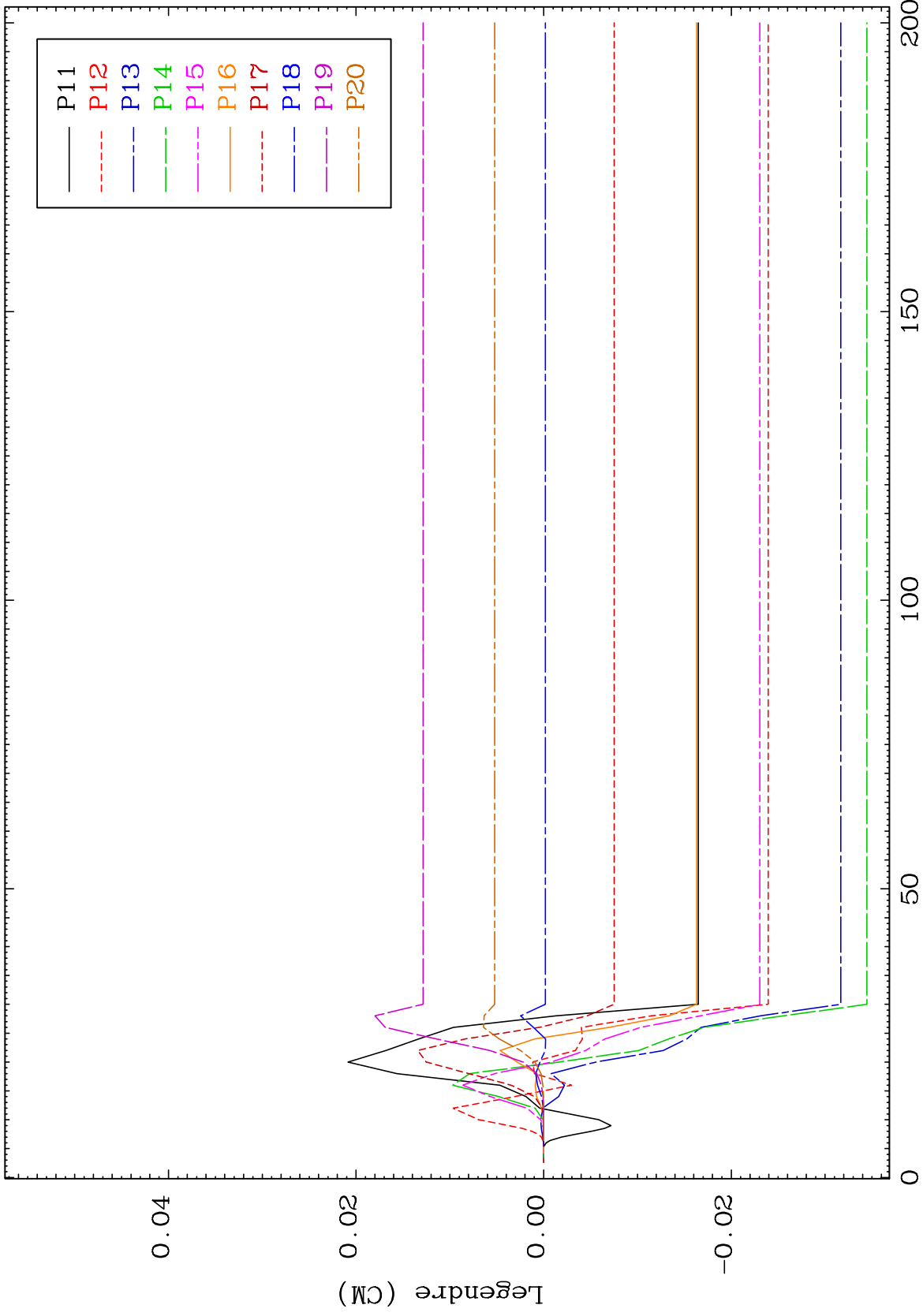
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-T1-199



113

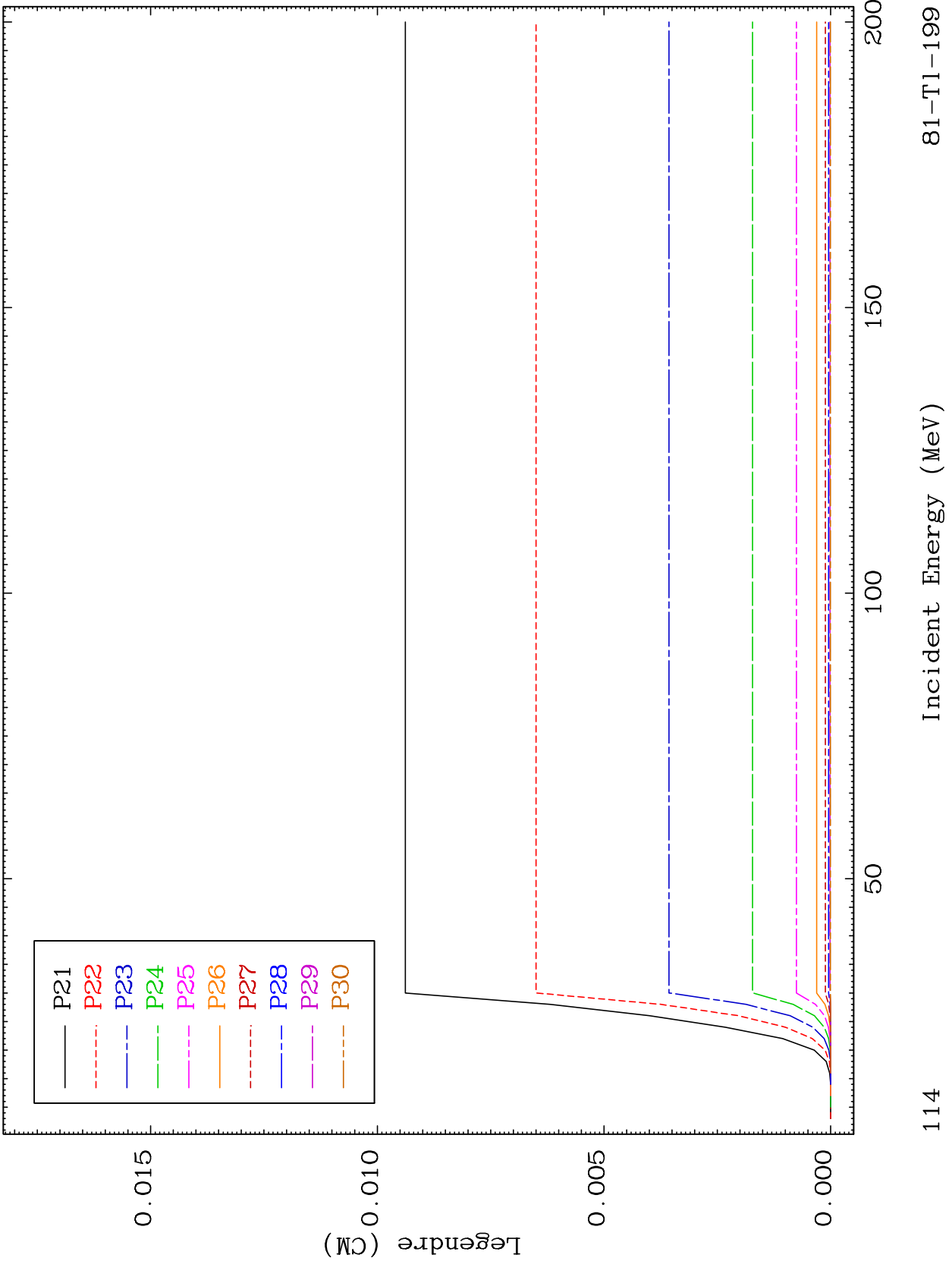
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-Tl-199



114

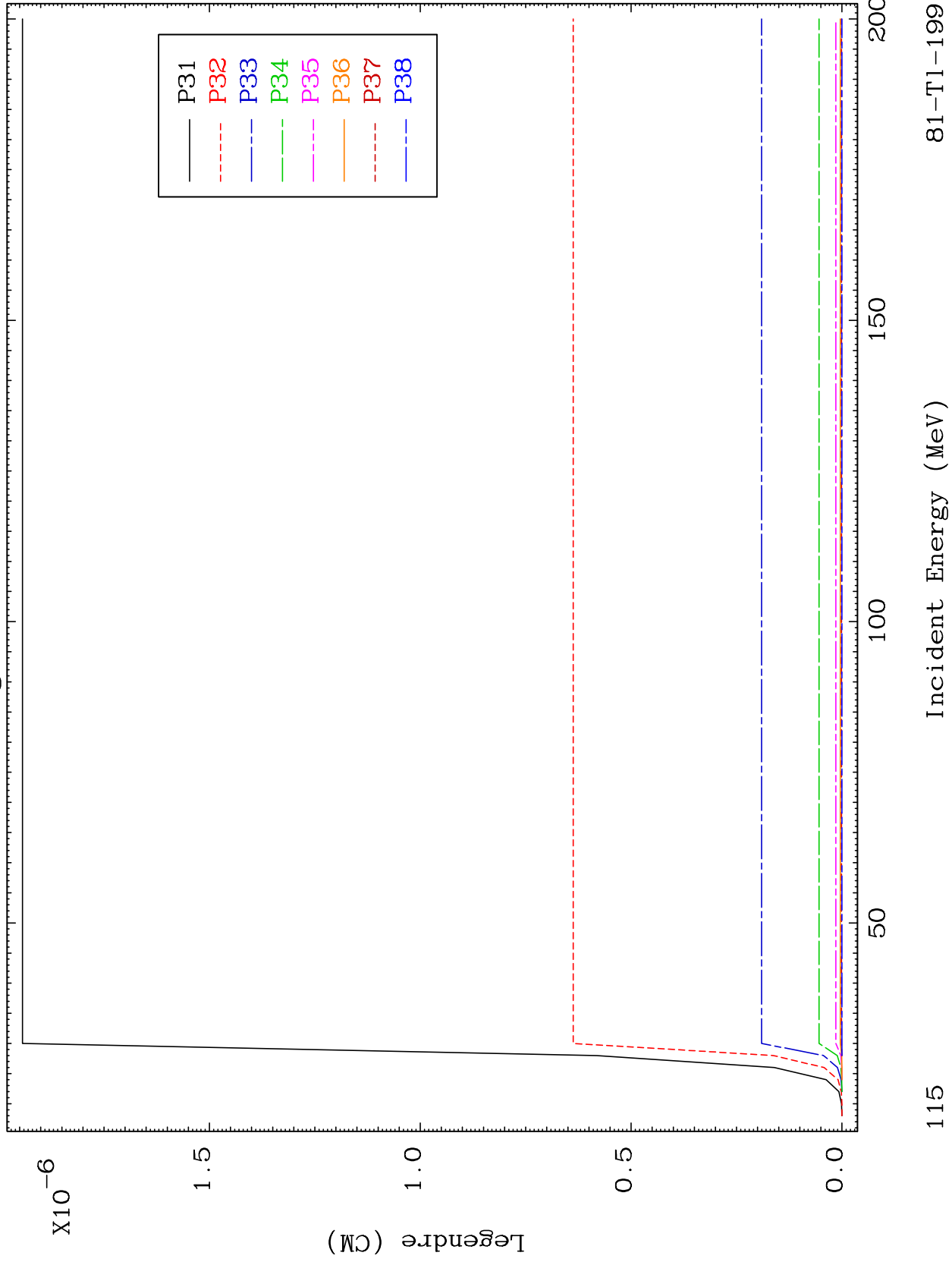
Incident Energy (MeV)

81-Tl-199

MAT 81113

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

81-T1-199

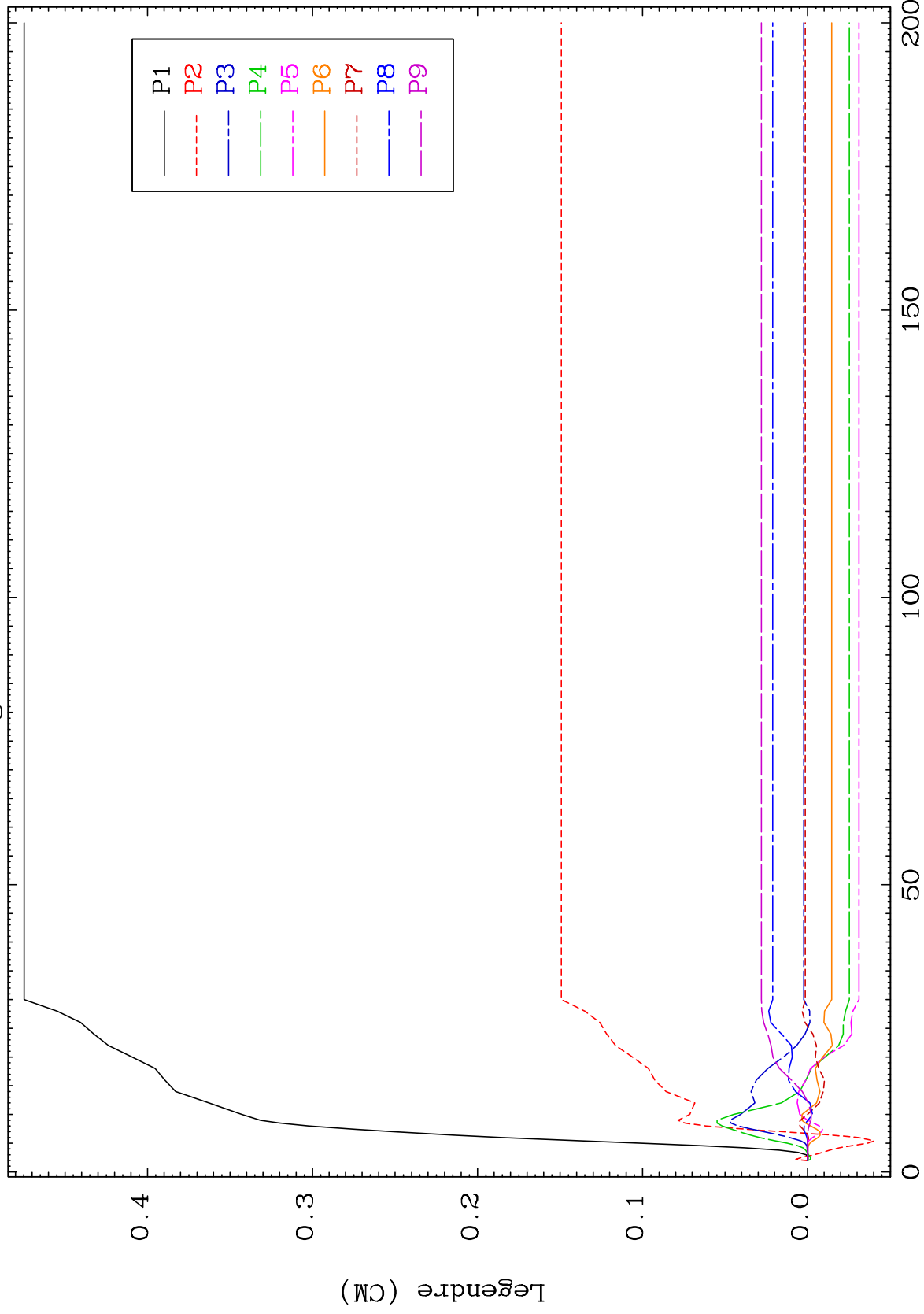


81-T1-199

MAT 8113

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

81-Tl-199



81-Tl-199

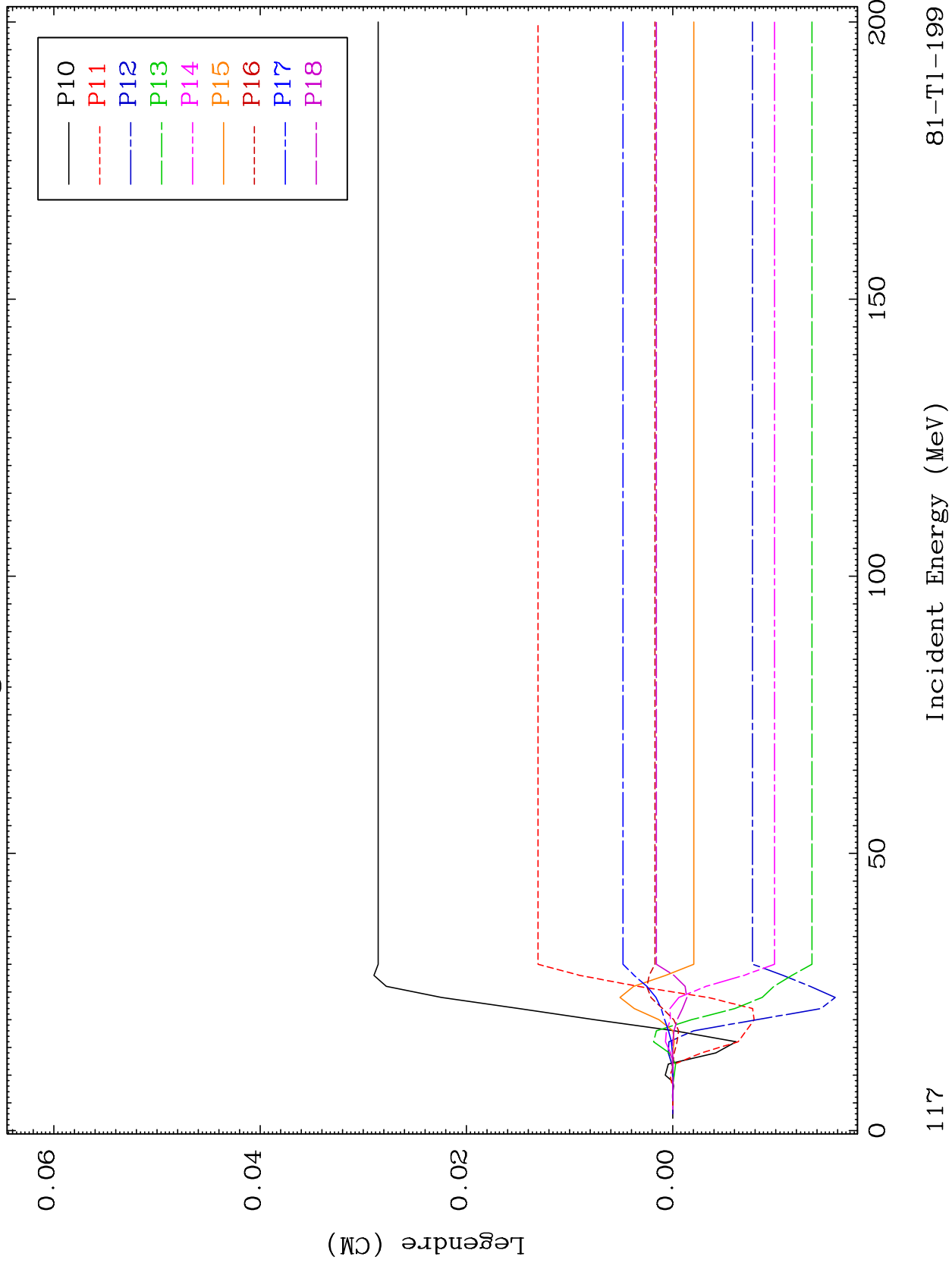
Incident Energy (MeV)

116

MAT 81113

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

81-T1-199



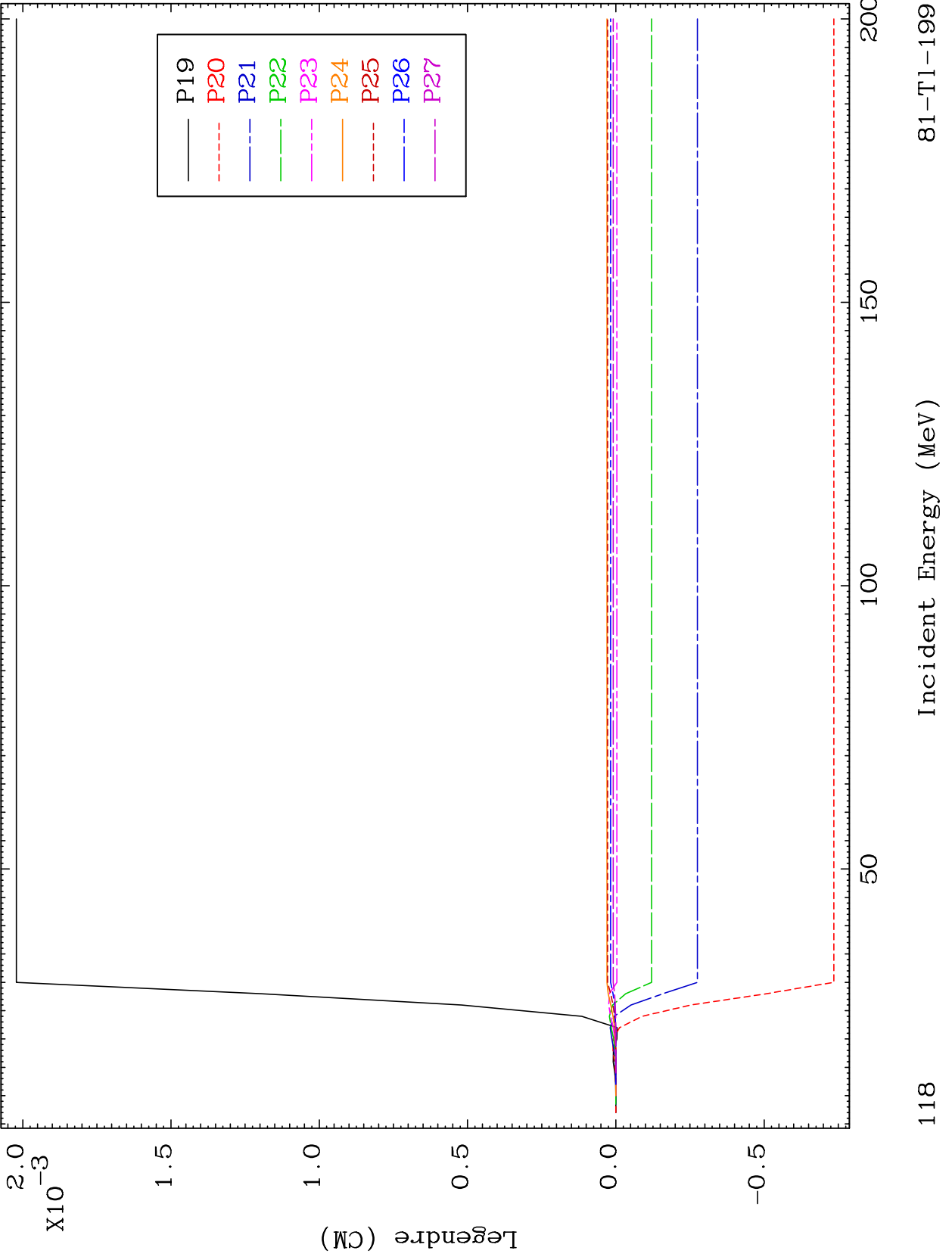
117

81-T1-199

MAT 81113

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

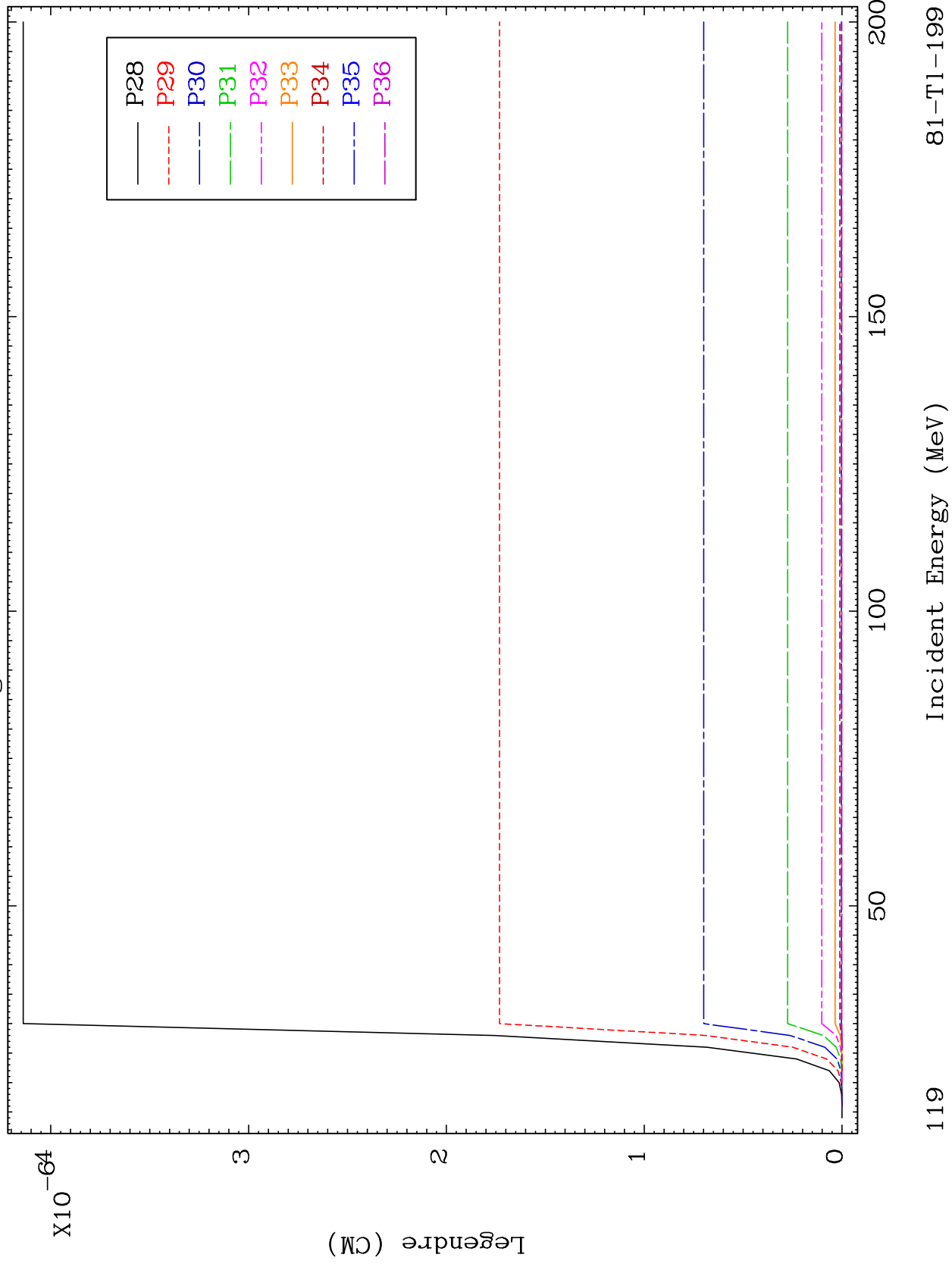
81-T1-199



MAT 81113

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

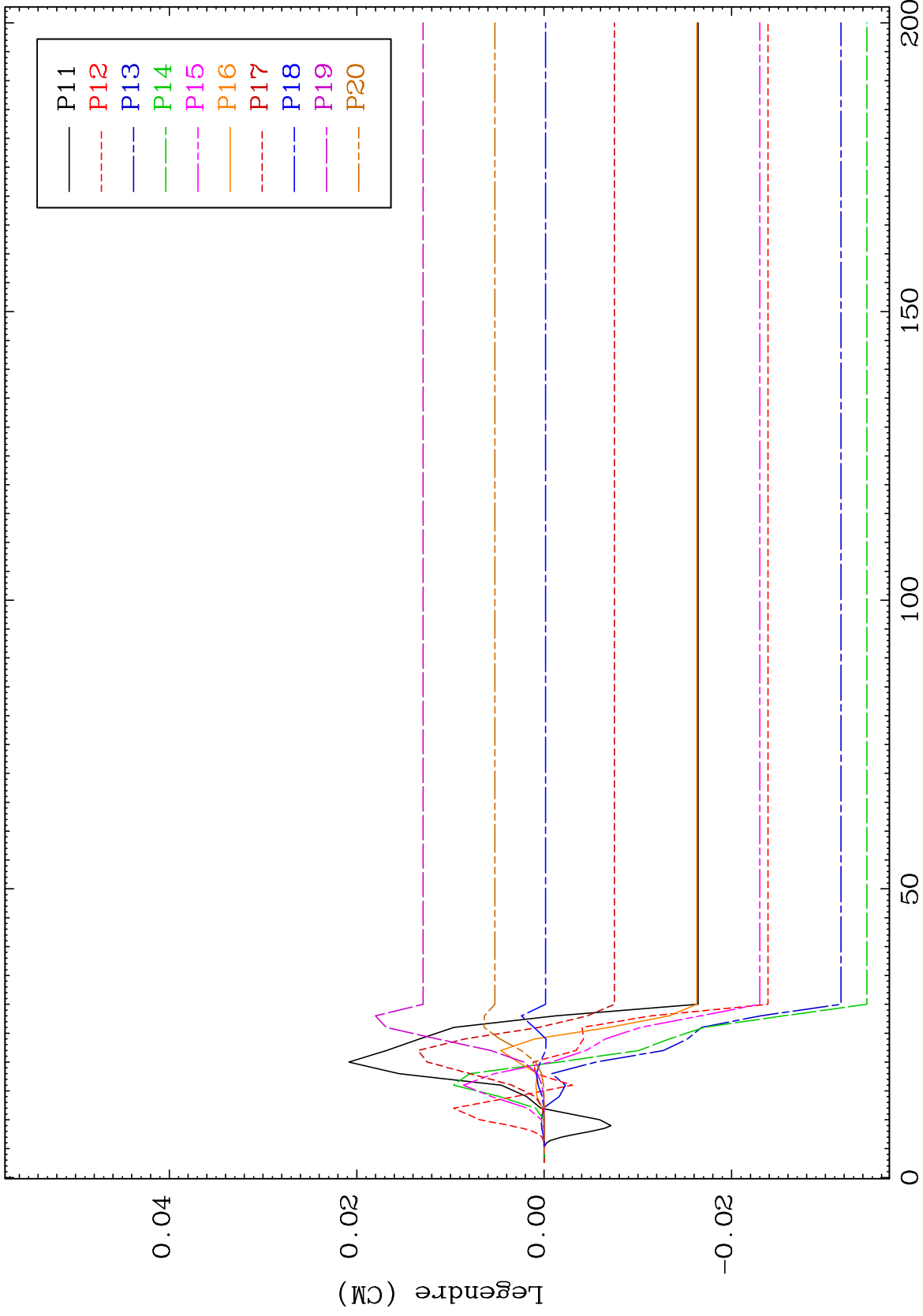
81-T1-199



MAT 81113

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

81-T1-199



121

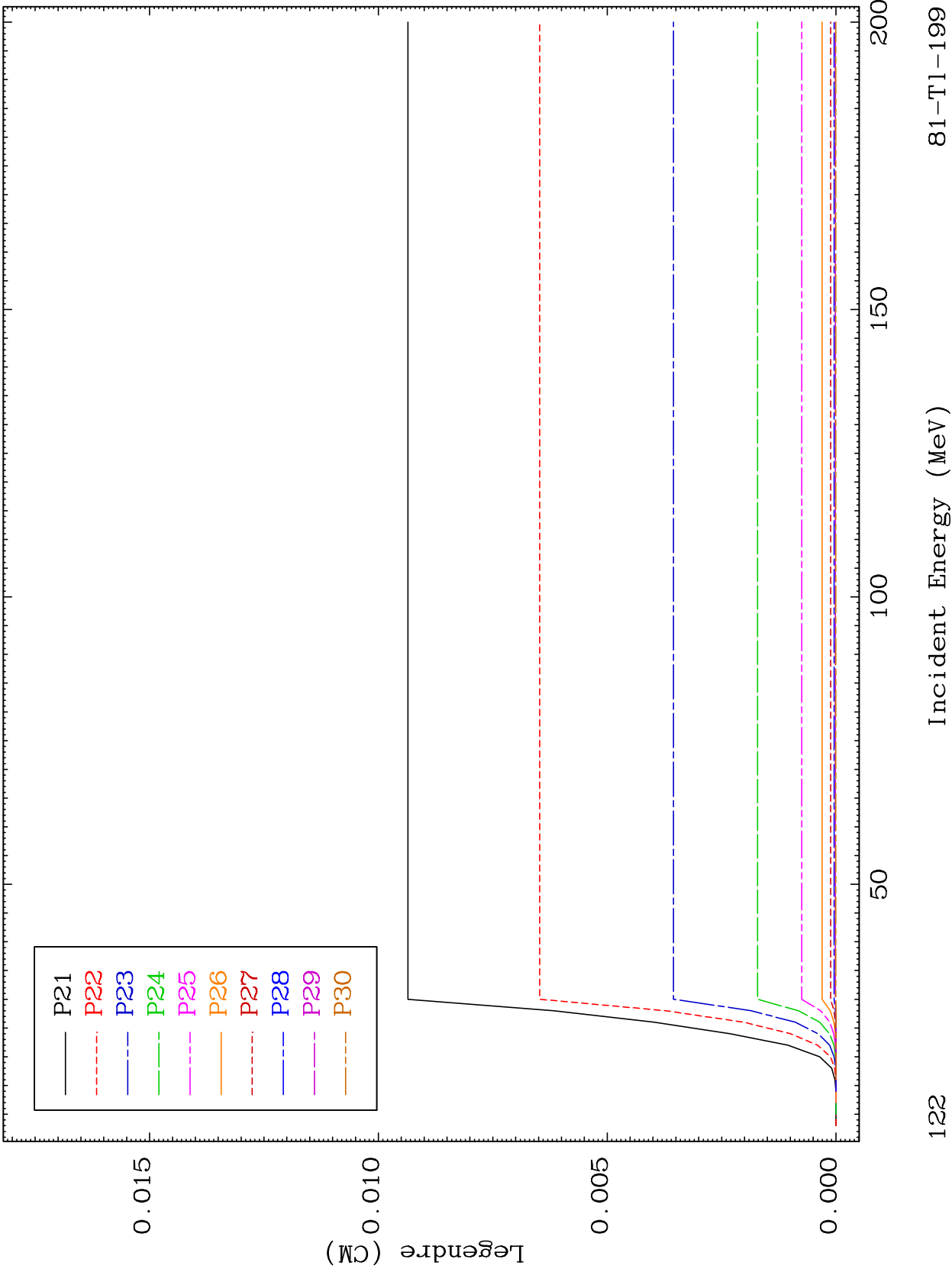
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-T1-199



122

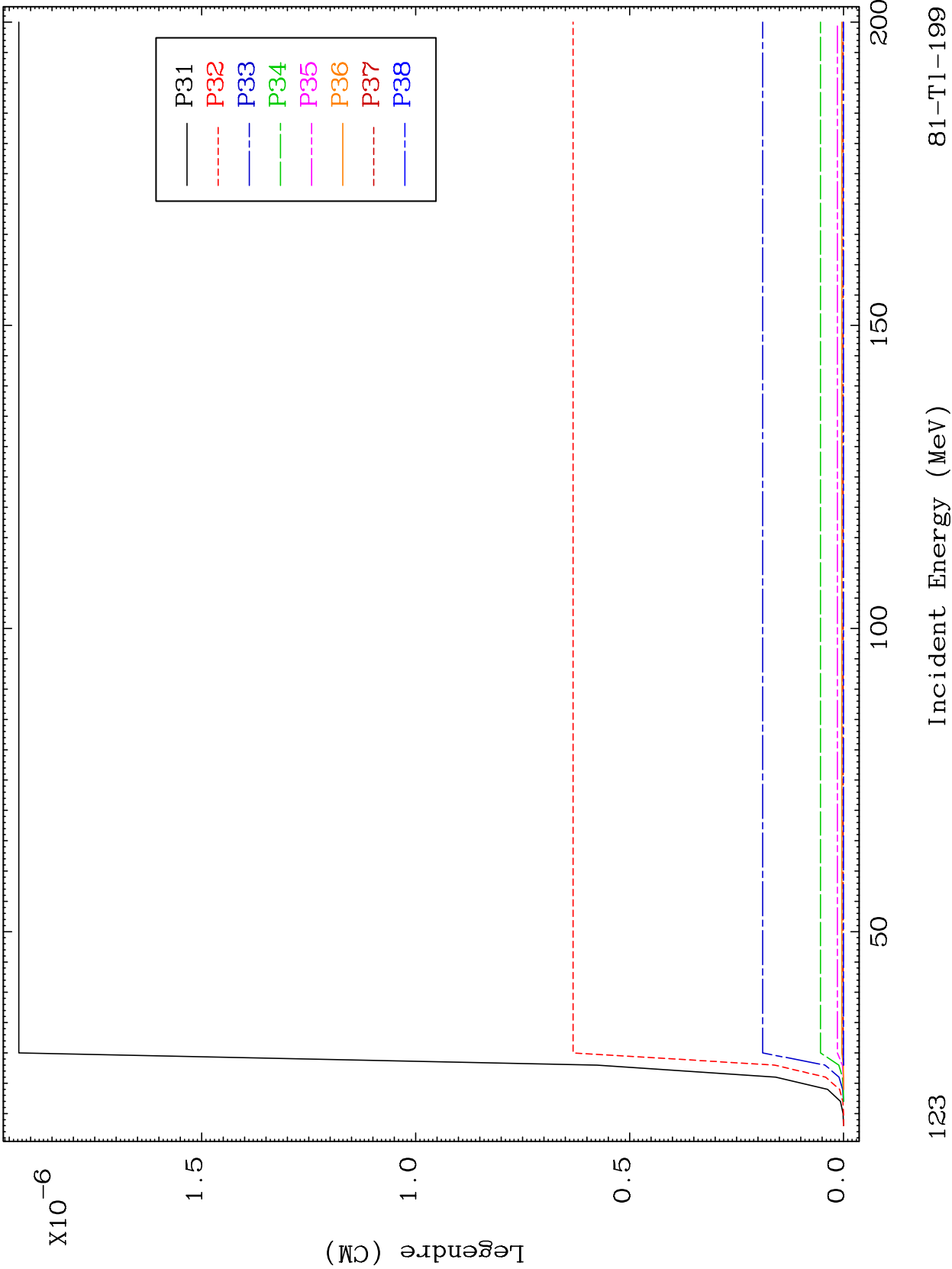
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199

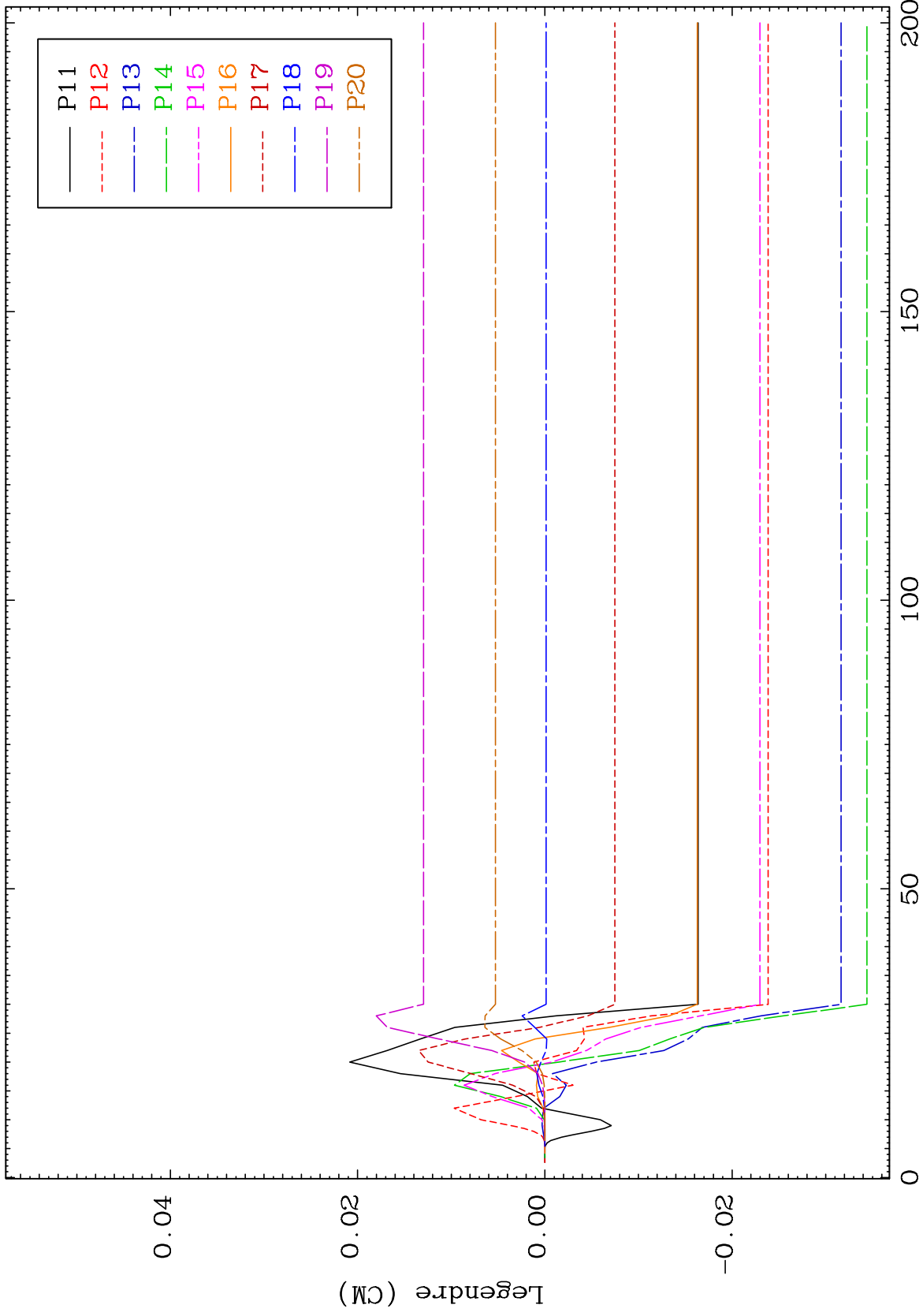


123

MAT 81113

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

81-T1-199



125

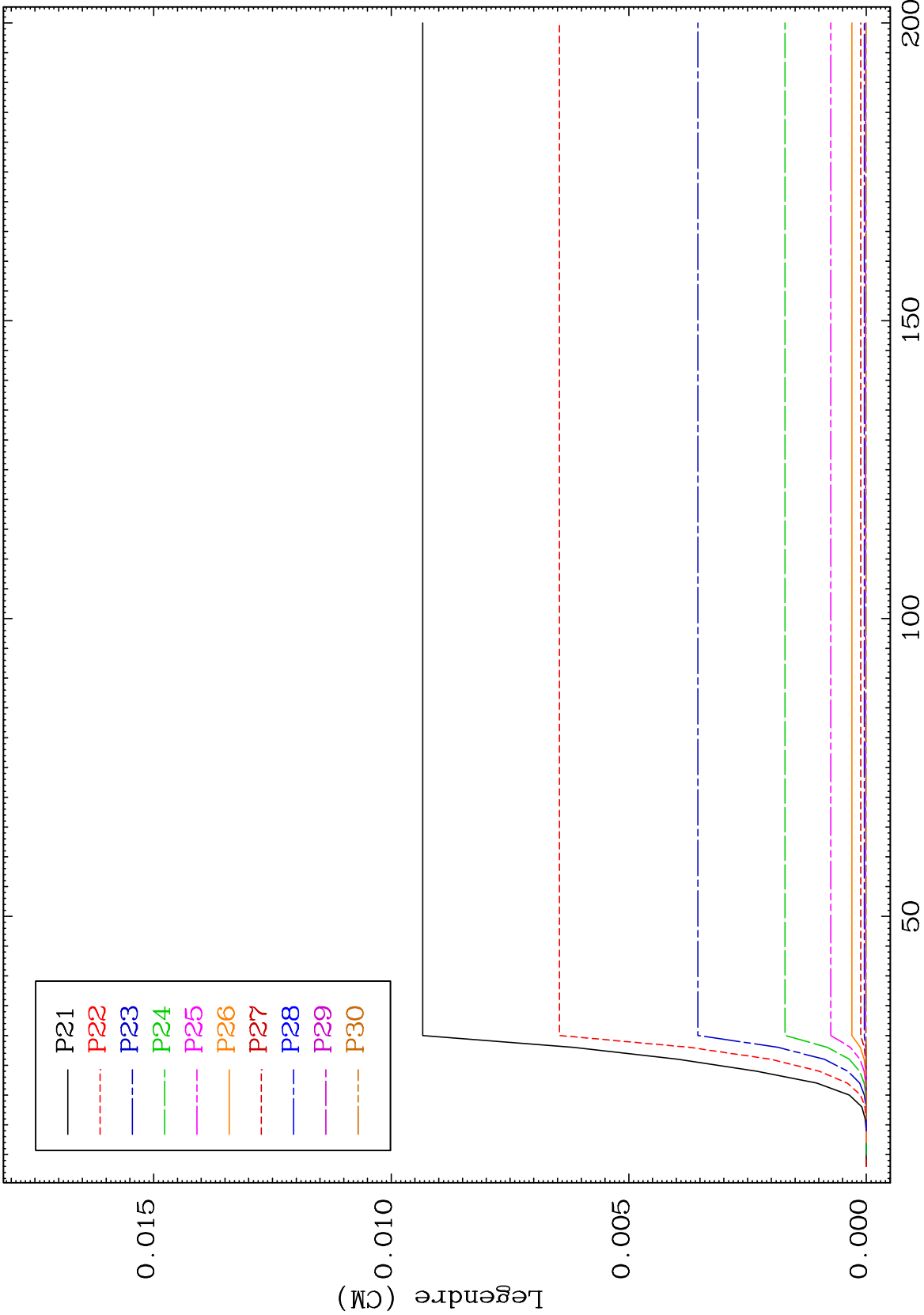
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-Tl-199



126

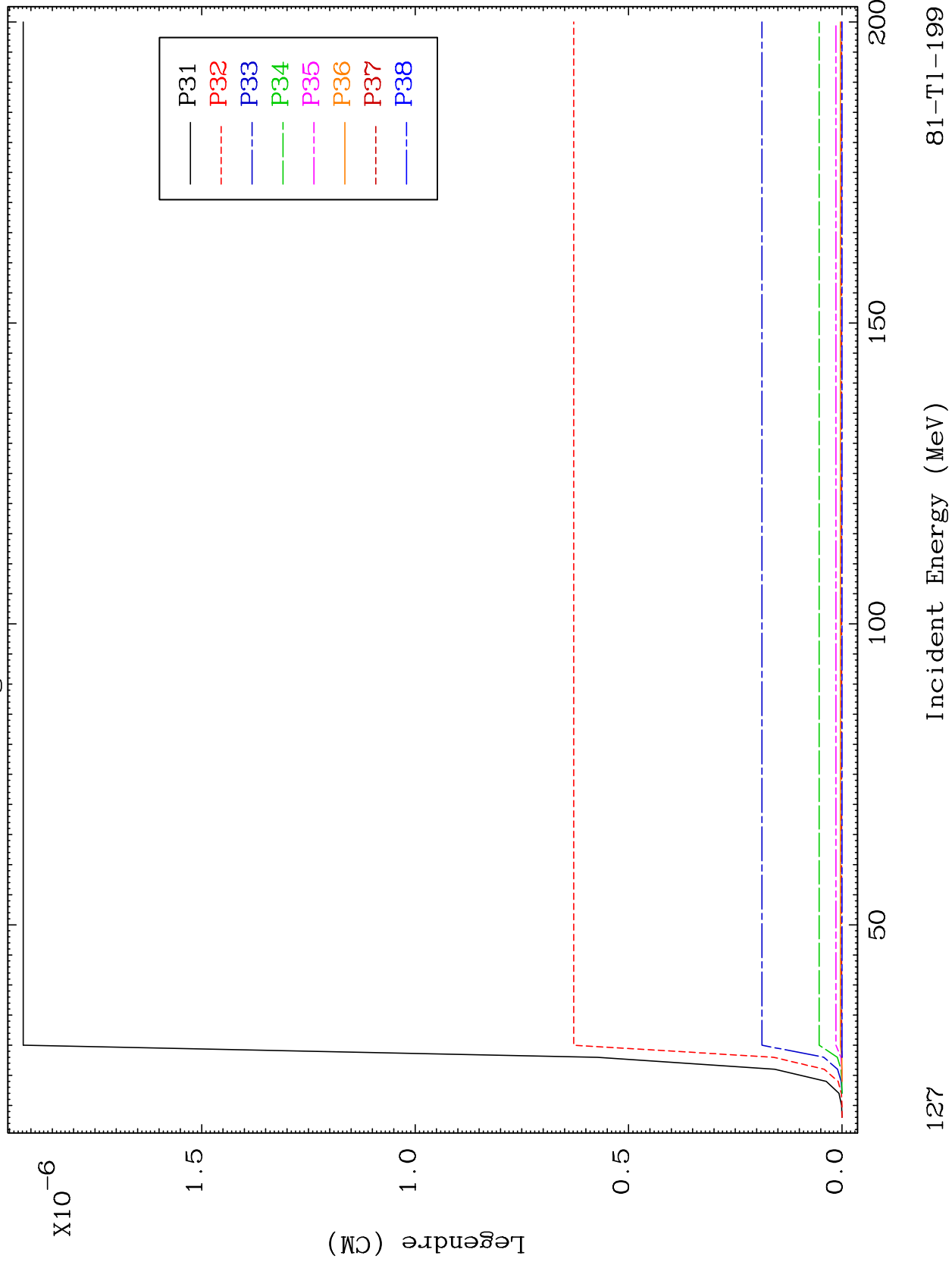
Incident Energy (MeV)

81-Tl-199

MAT 81113

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

81-T1-199



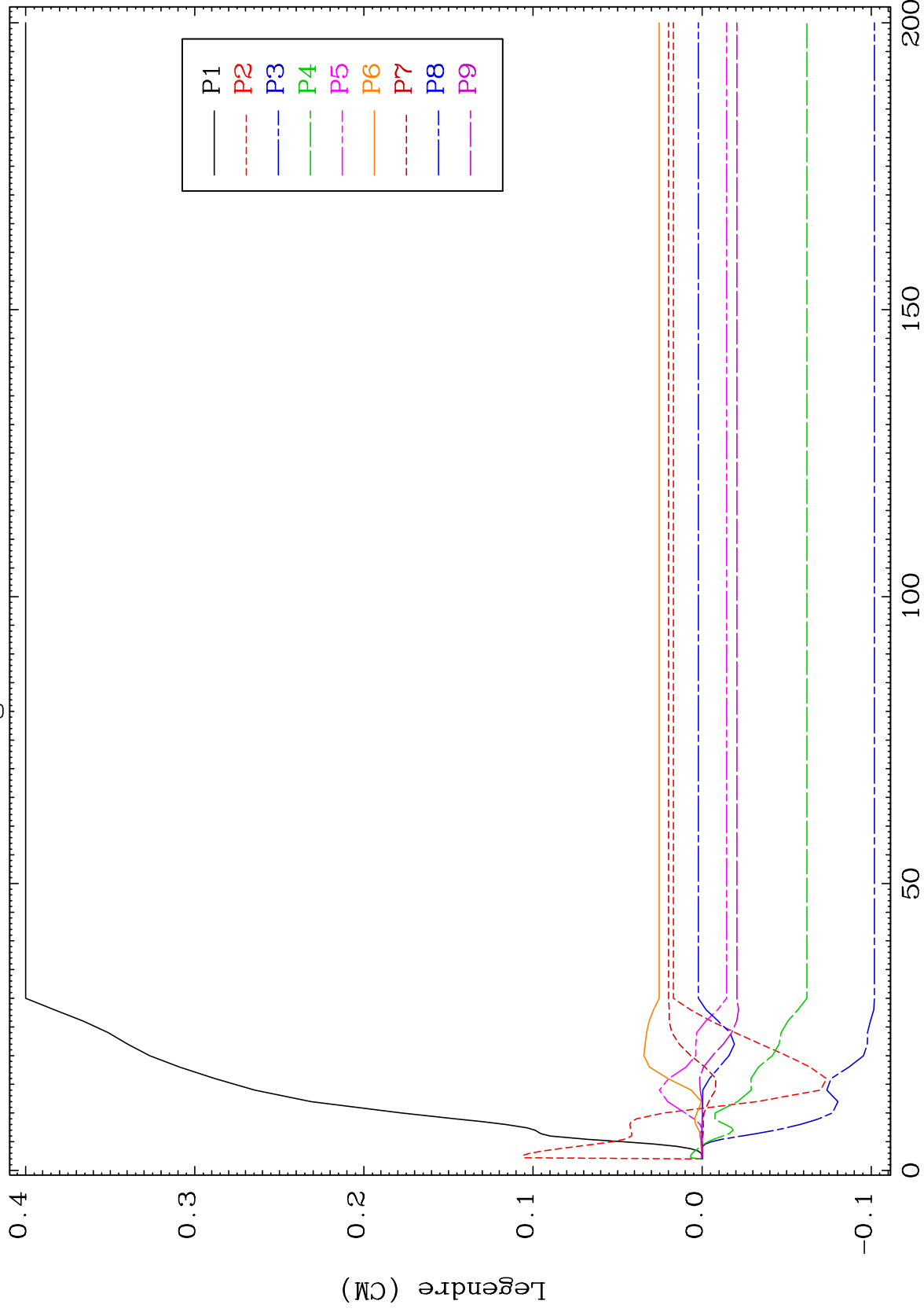
127

81-T1-199

MAT 81113

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

81-T1-199



128

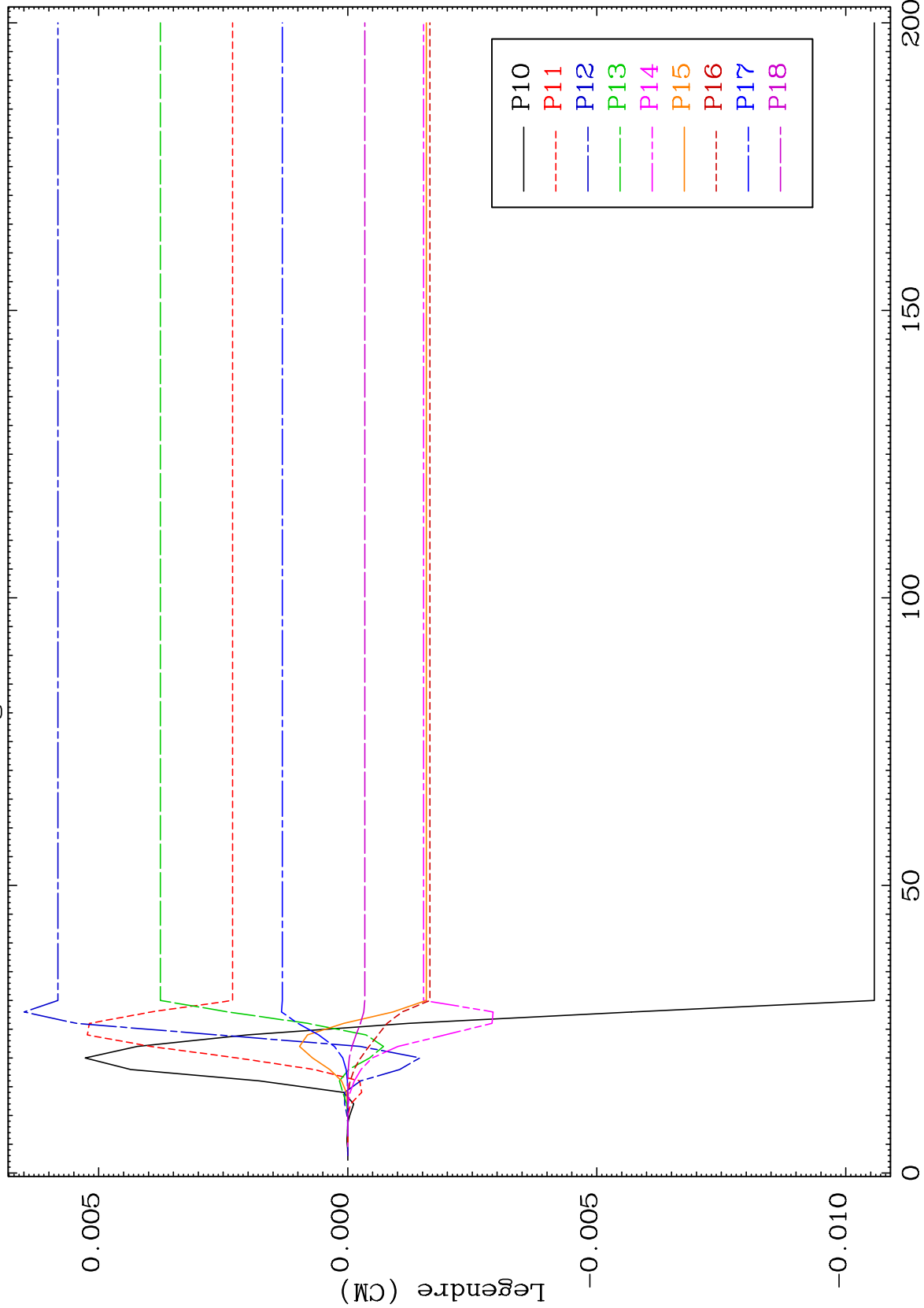
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



129

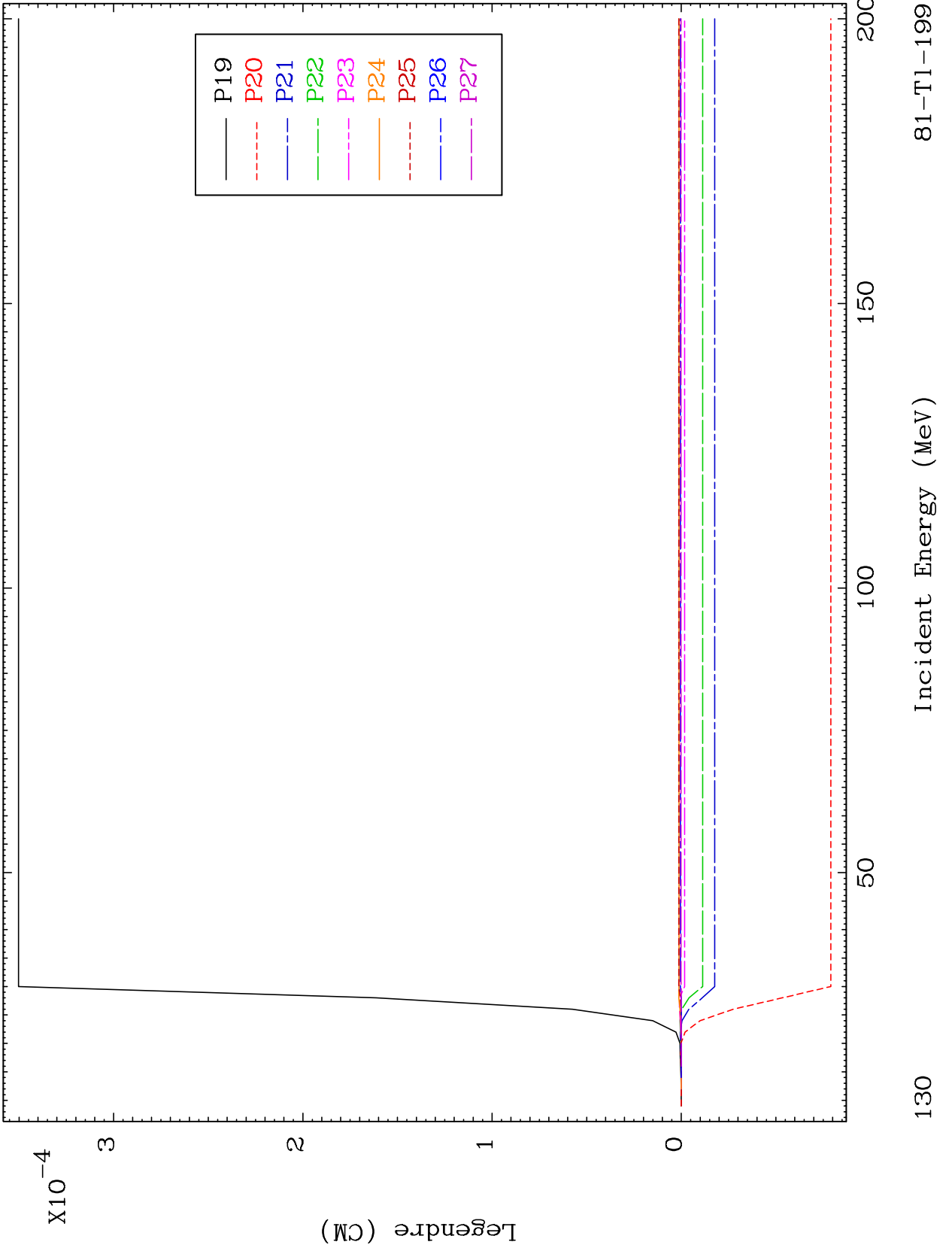
Incident Energy (MeV)

81-T1-199

MAT 81113

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

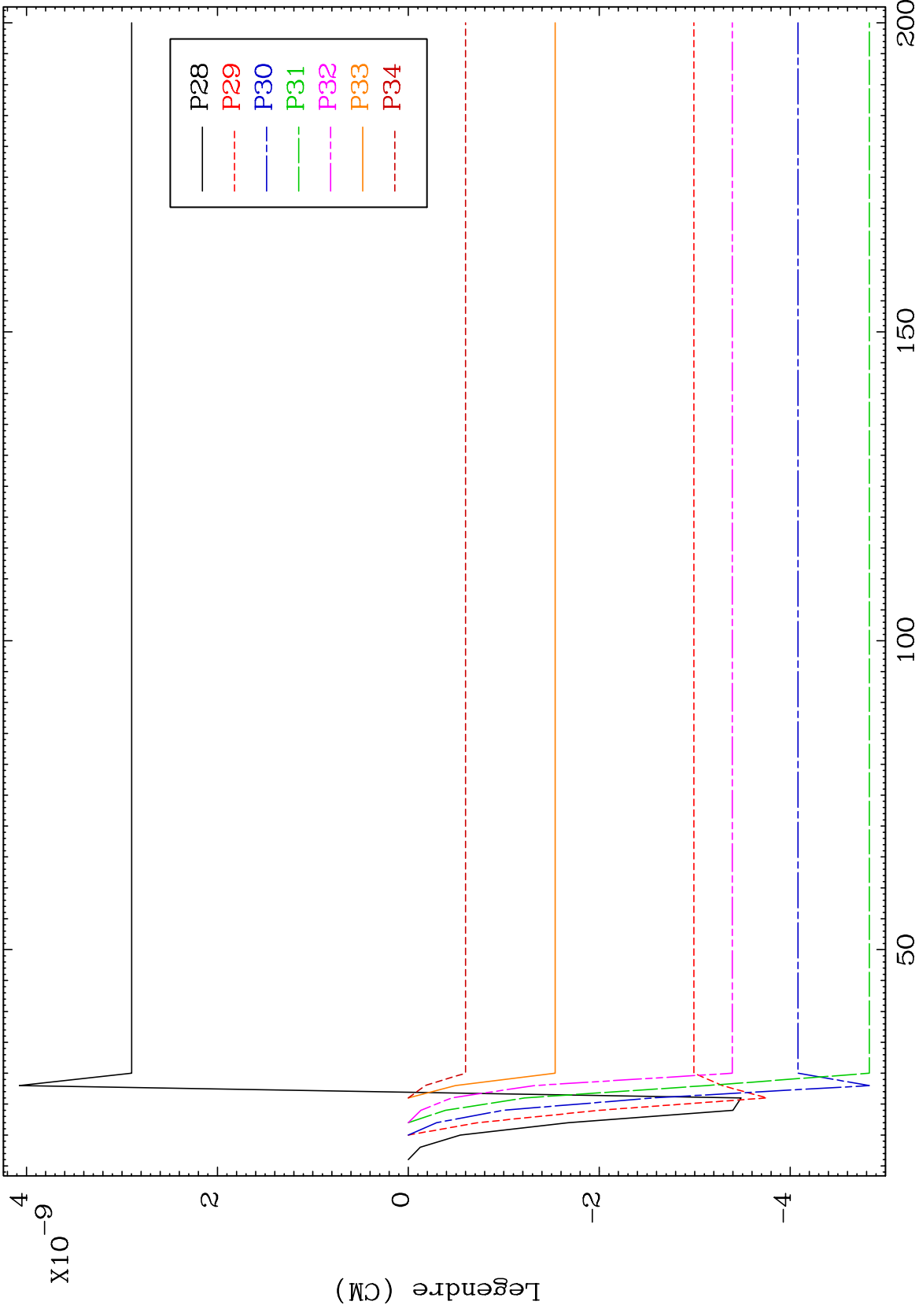
81-T1-199



MAT 8113

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

81-T1-199



131

Incident Energy (MeV)

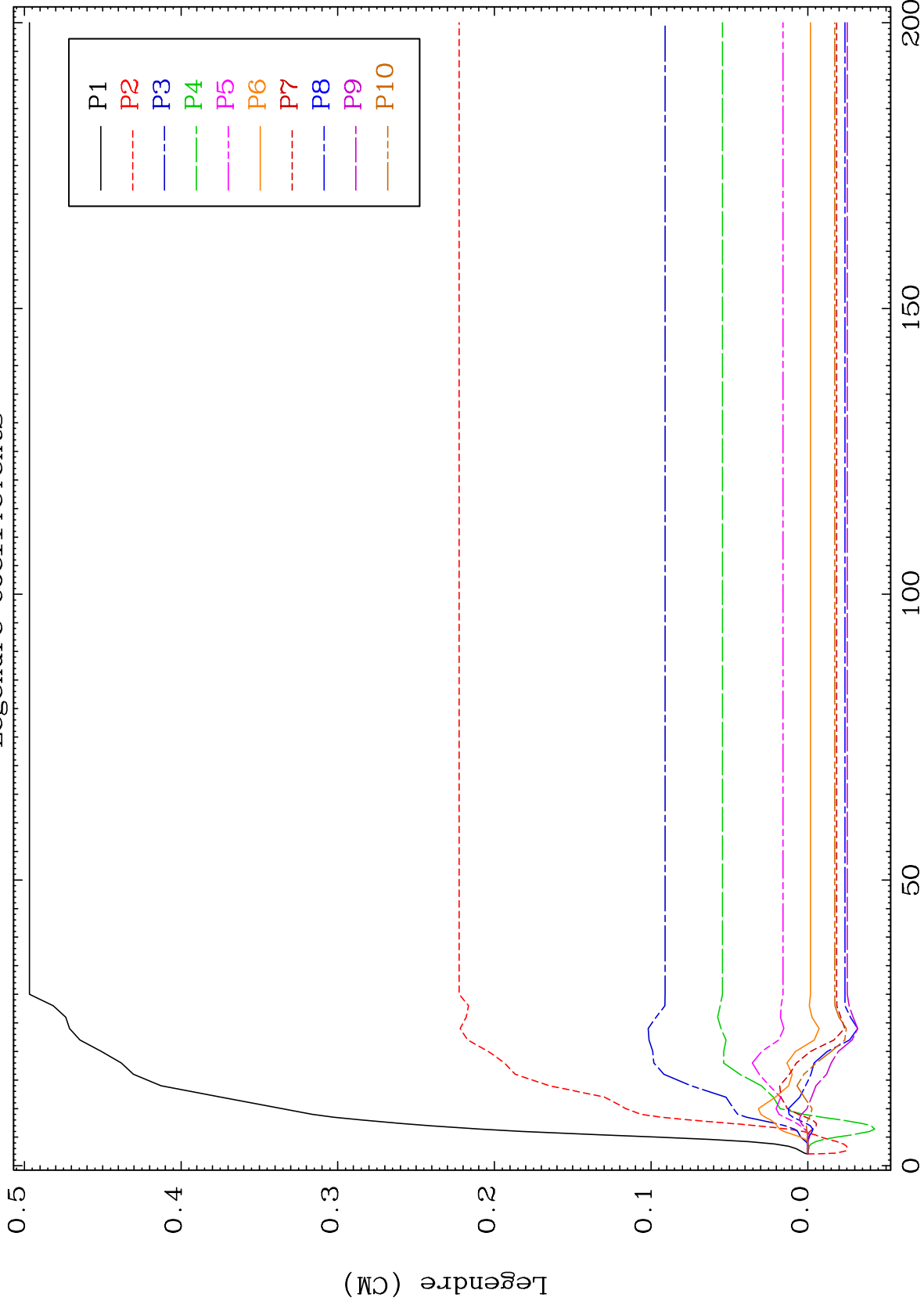
81-T1-199

MAT 81113

MT= 79 (n,n') Level

81-Tl-199

Legendre Coefficients



132

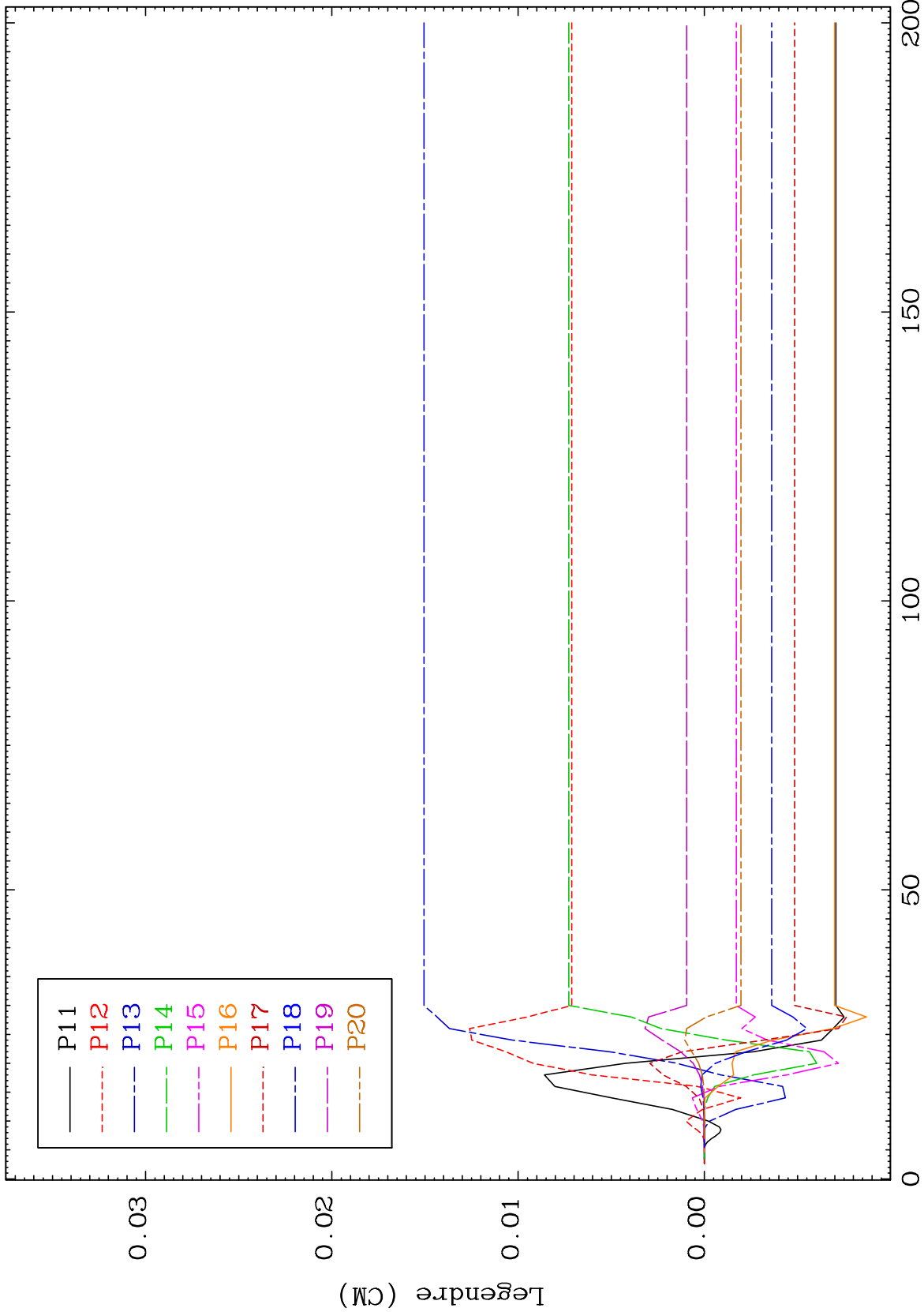
Incident Energy (MeV)

81-Tl-199

MAT 8113

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

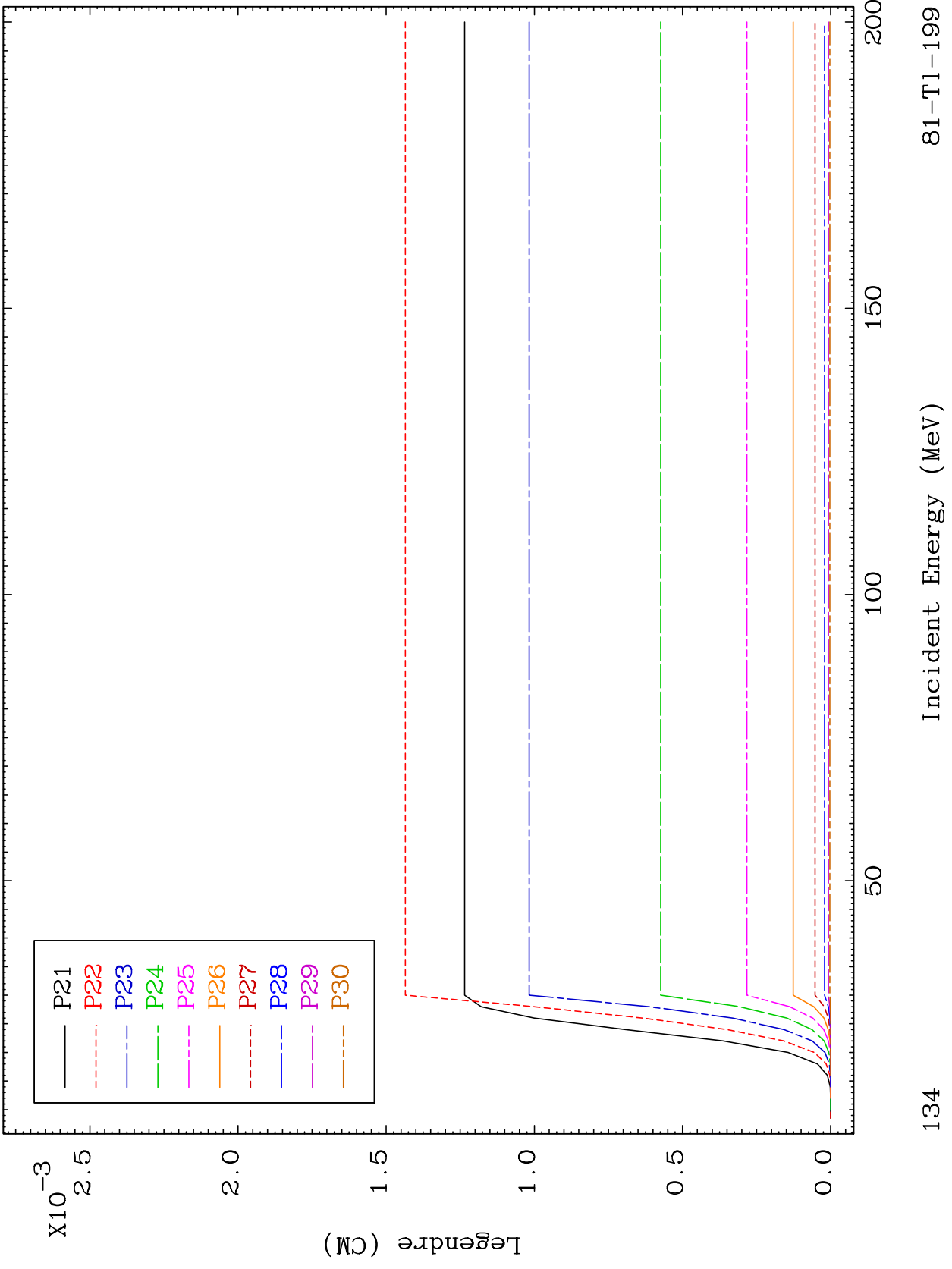
81-T1-199



133

Incident Energy (MeV)

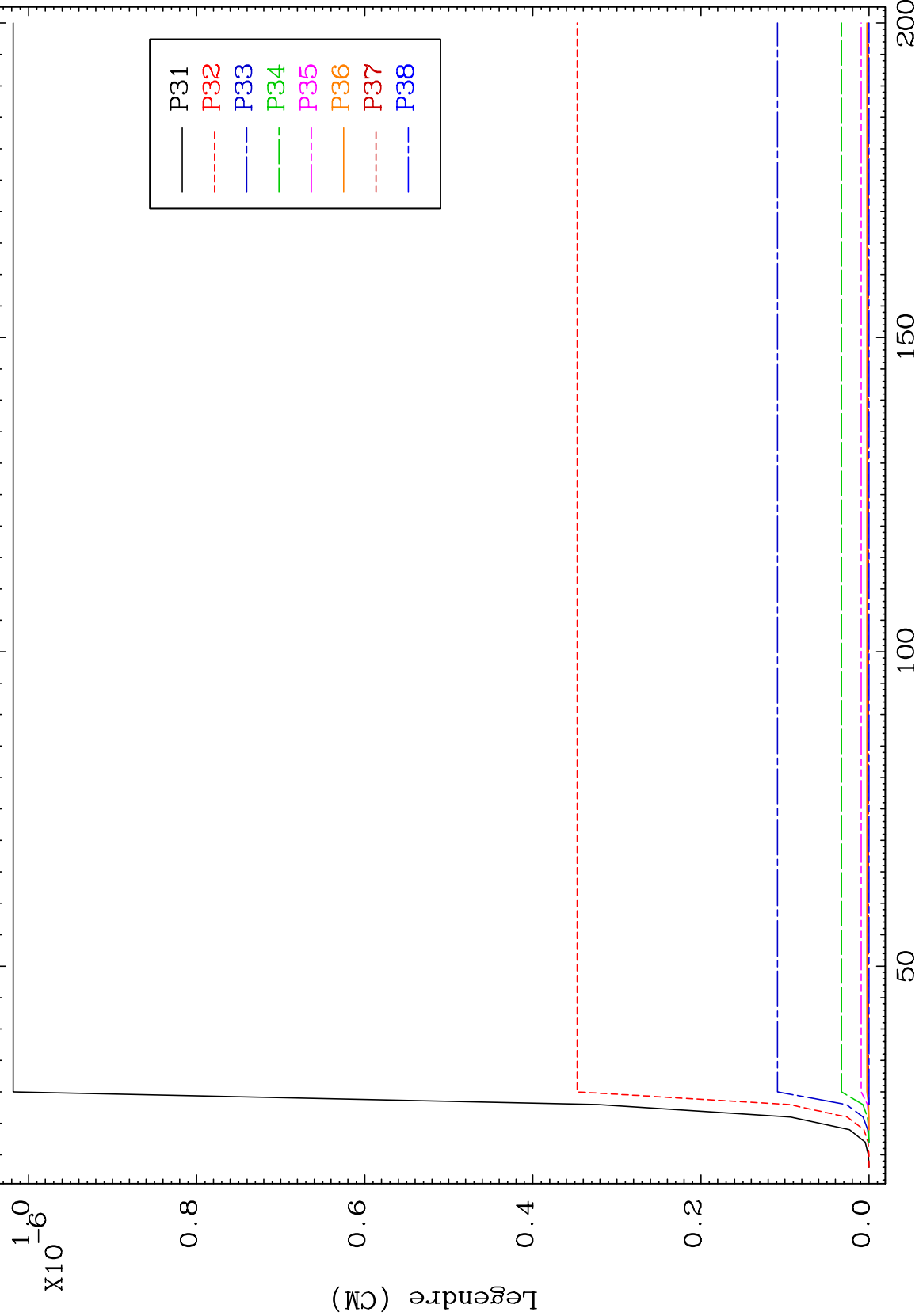
81-T1-199



MAT 81113

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

81-Tl-199



135

Incident Energy (MeV)

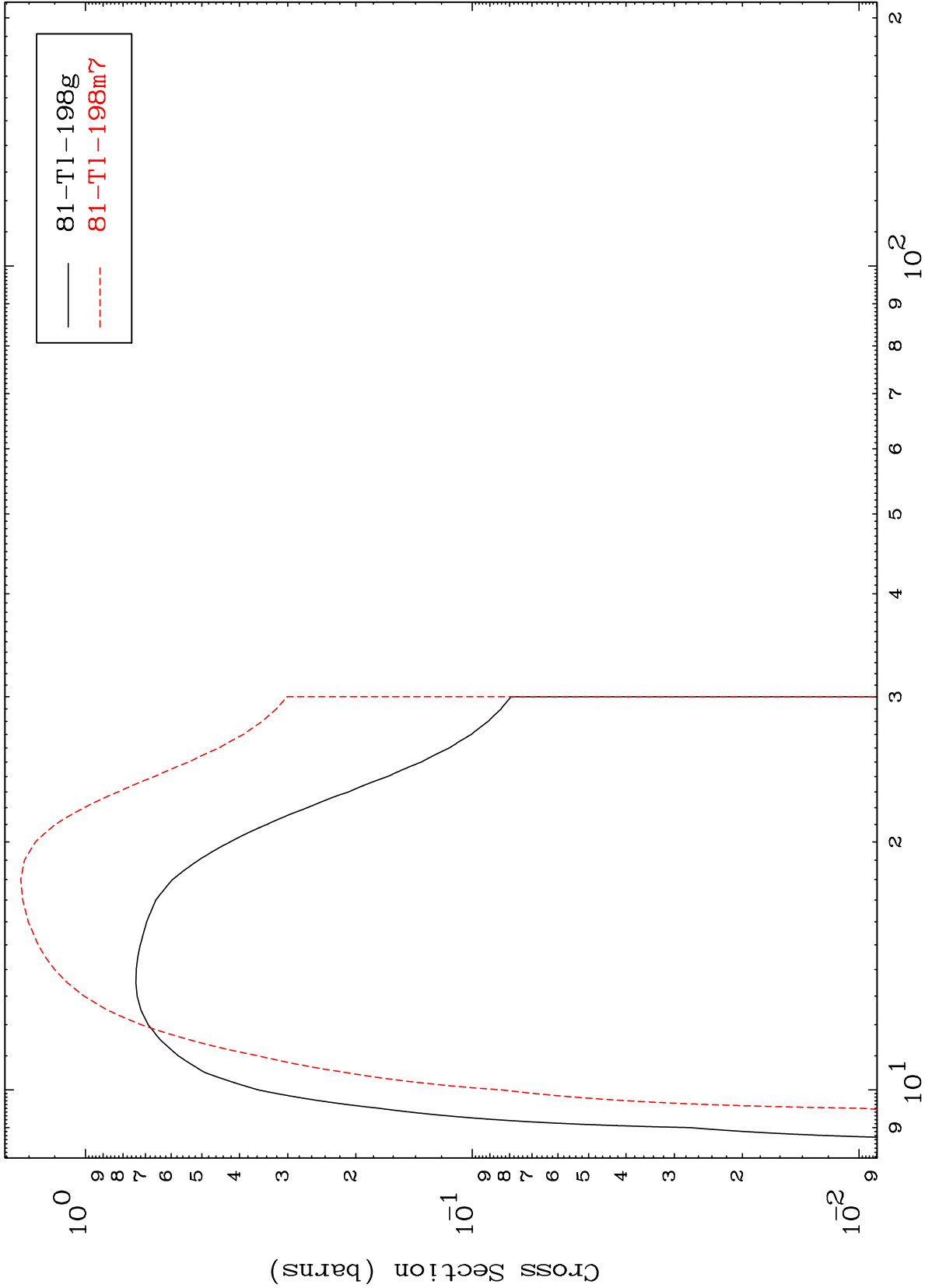
81-Tl-199

MAT 81113

81-Tl-199

(n,2n)

Radionuclide Production Cross Section



81-Tl-198g
81-Tl-198m7

136

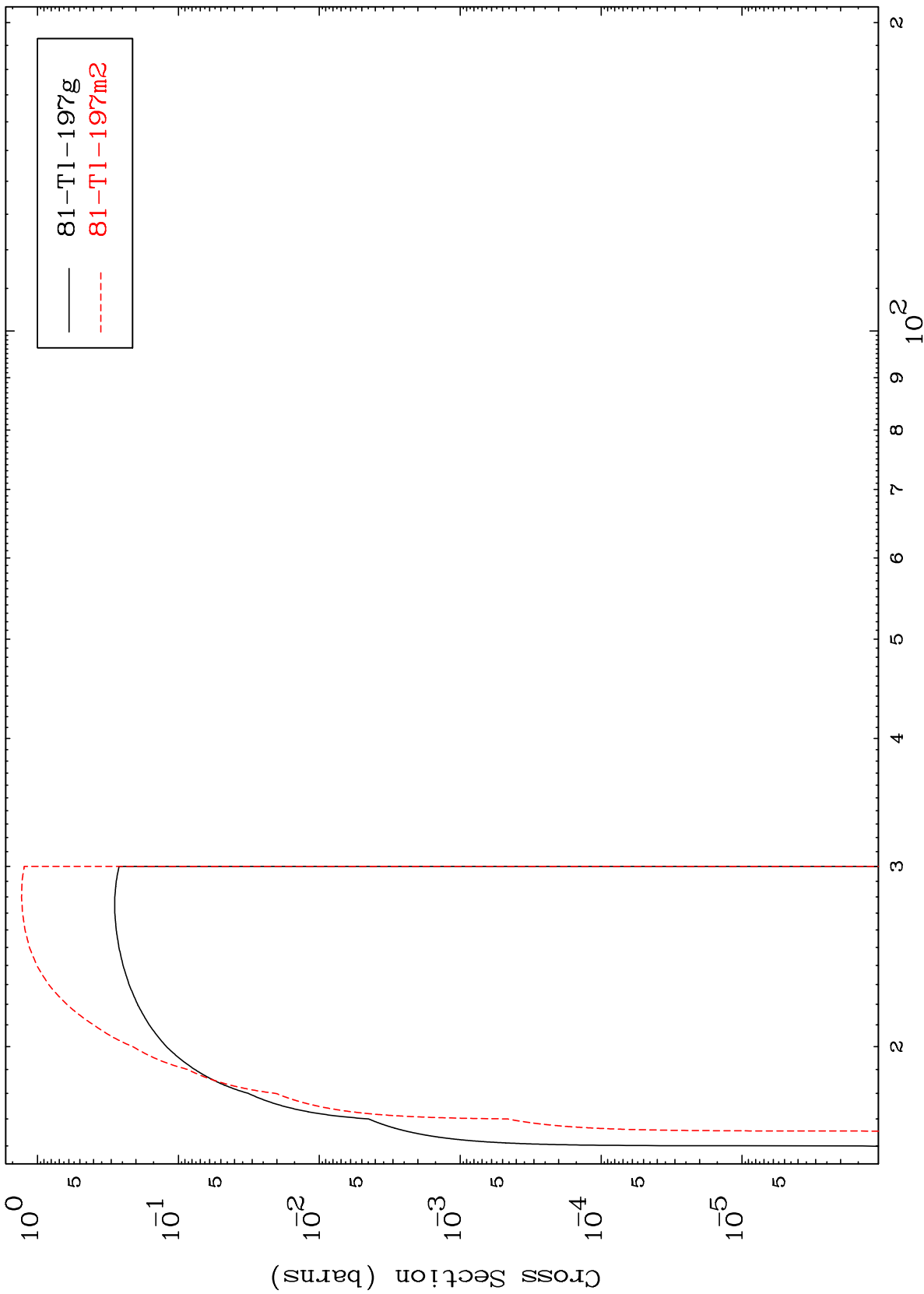
Incident Energy (MeV)

81-Tl-199

MAT 81113

81-Tl-199

(n,3n)
Radionuclide Production Cross Section



81-Tl-197g
81-Tl-197m2

137

Incident Energy (MeV)

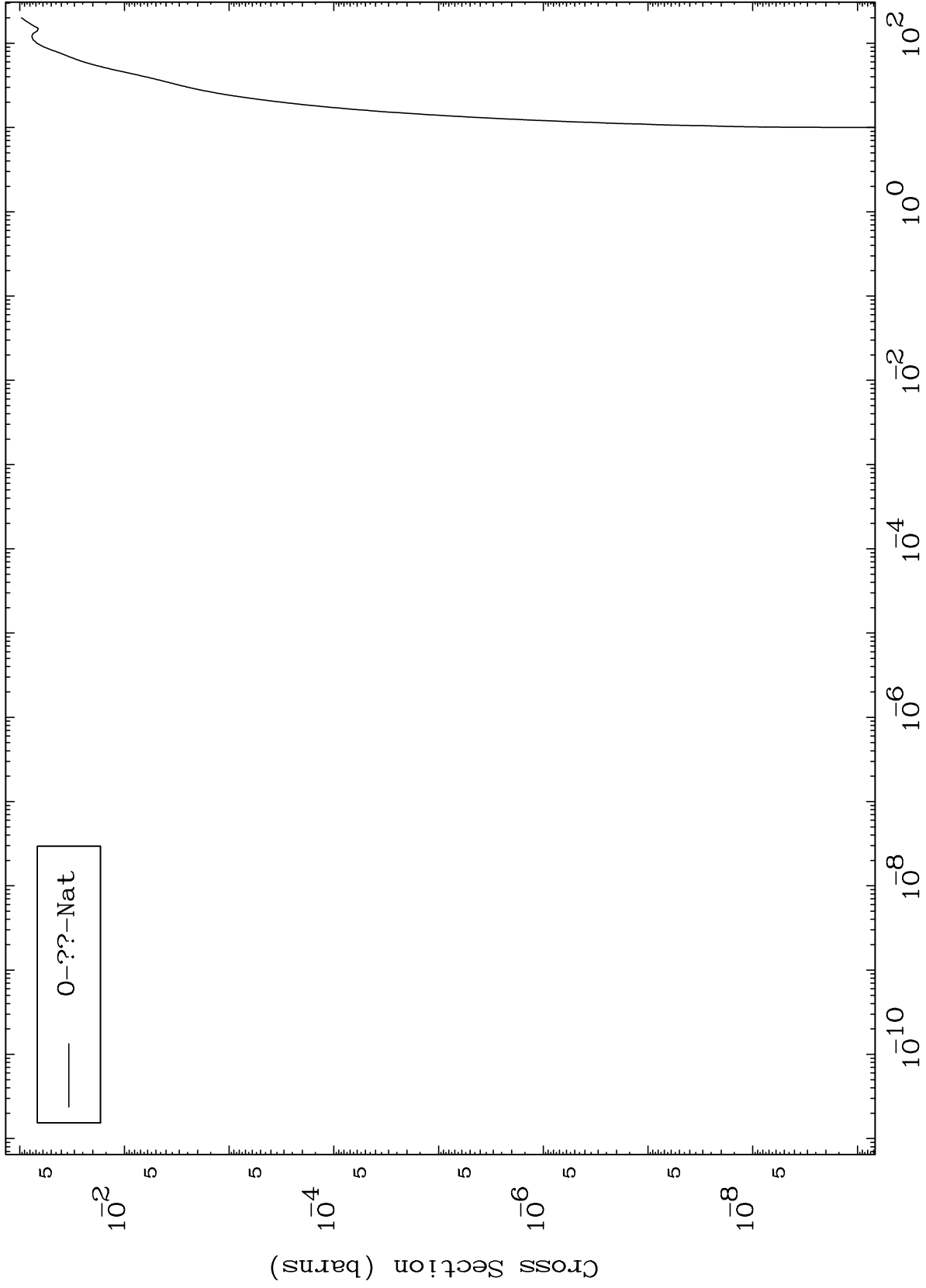
81-Tl-199

MAT 8113

Fission

81-Tl-199

Radionuclide Production Cross Section



138

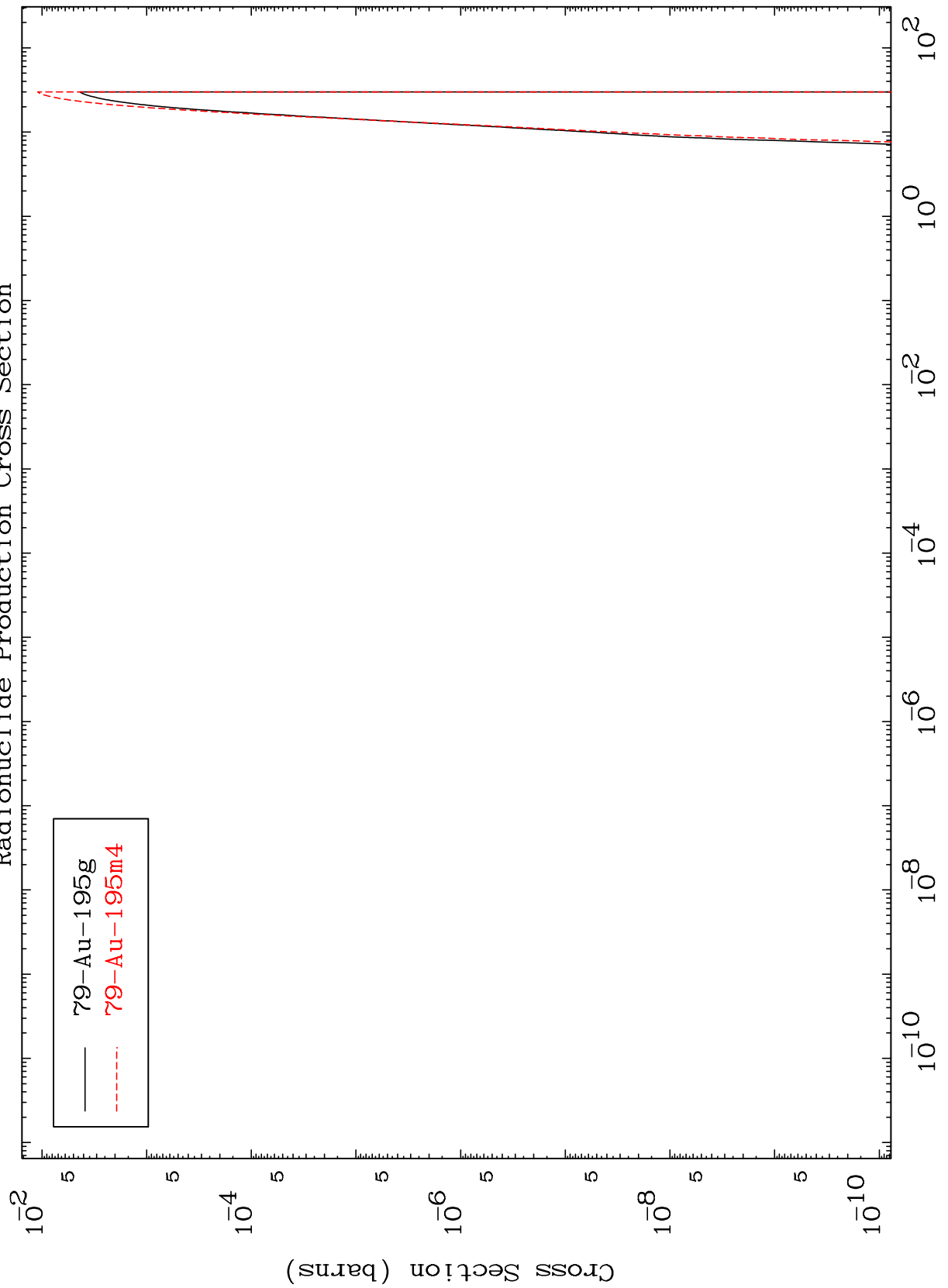
81-Tl-199

MAT 8113

$(n, n') \alpha$

81-Tl-199

Radionuclide Production Cross Section



79-Au-195g
79-Au-195m4

139

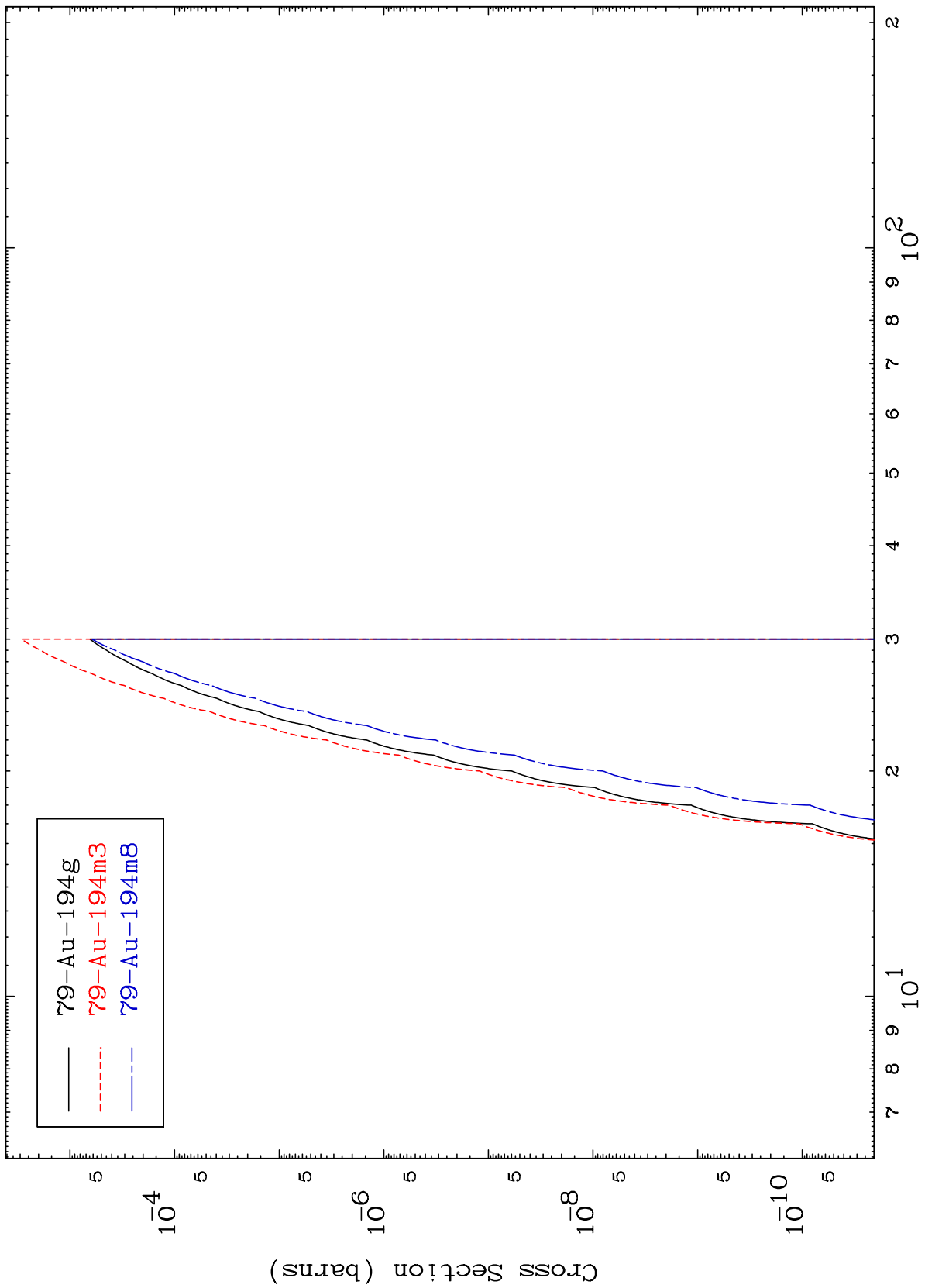
Incident Energy (MeV)

81-Tl-199

MAT 8113

81-Tl-199

(n,2n) α
Radionuclide Production Cross Section



140

Incident Energy (MeV)

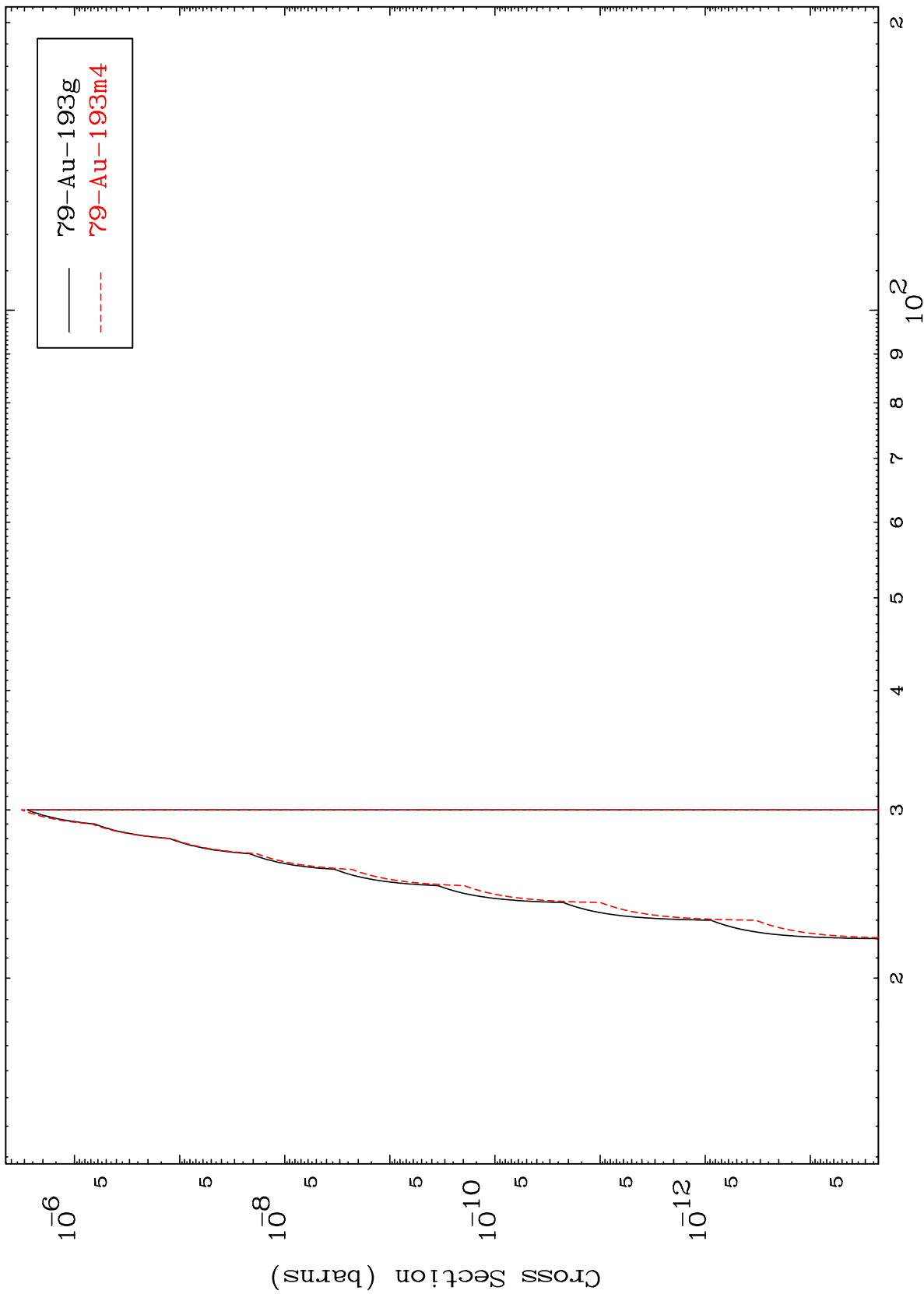
81-Tl-199

MAT 81113

(n,3n) α

81-Tl-199

Radionuclide Production Cross Section



141

Incident Energy (MeV)

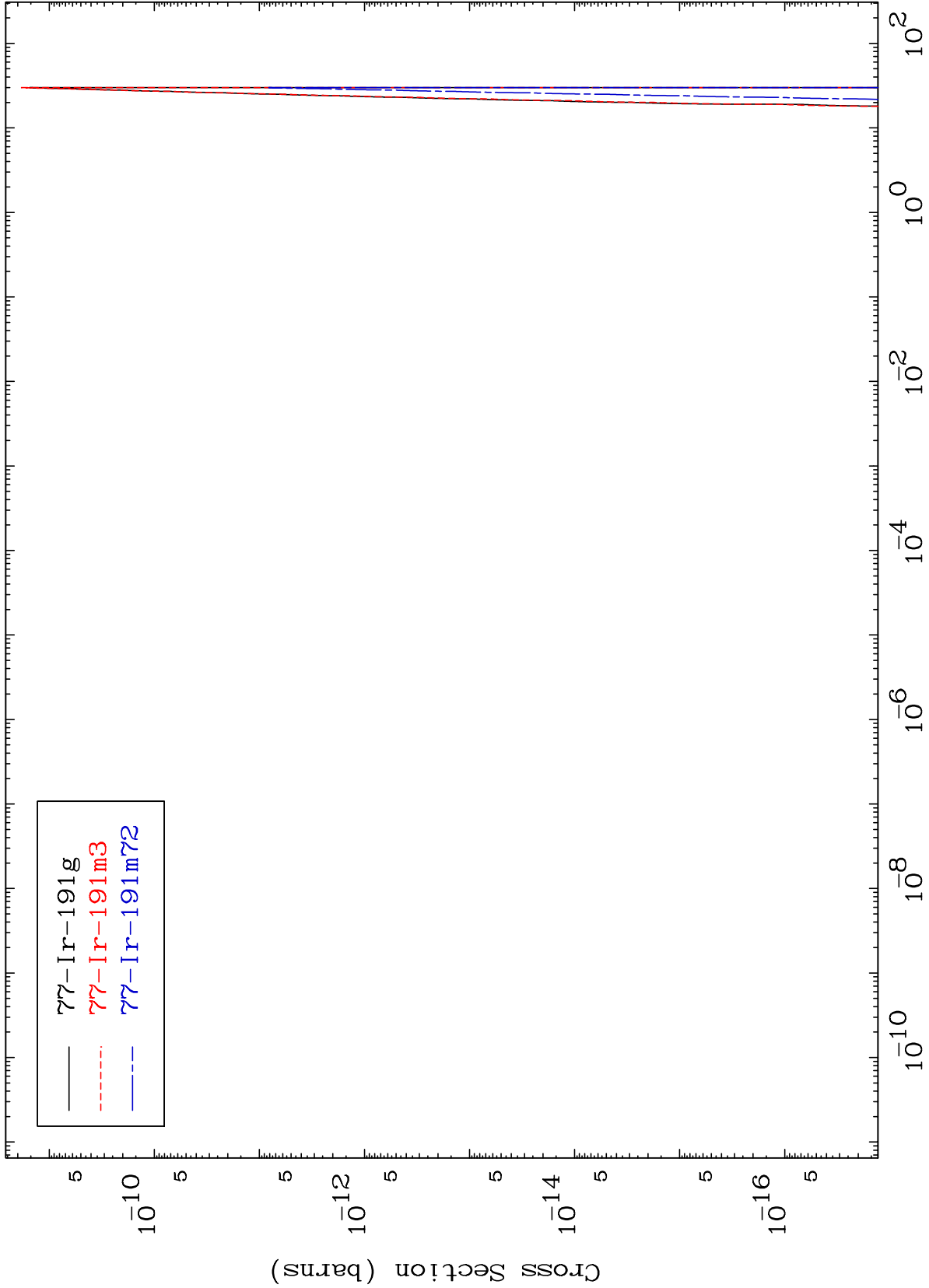
81-Tl-199

MAT 81113

(n,n') 2α

81-Tl-199

Radionuclide Production Cross Section

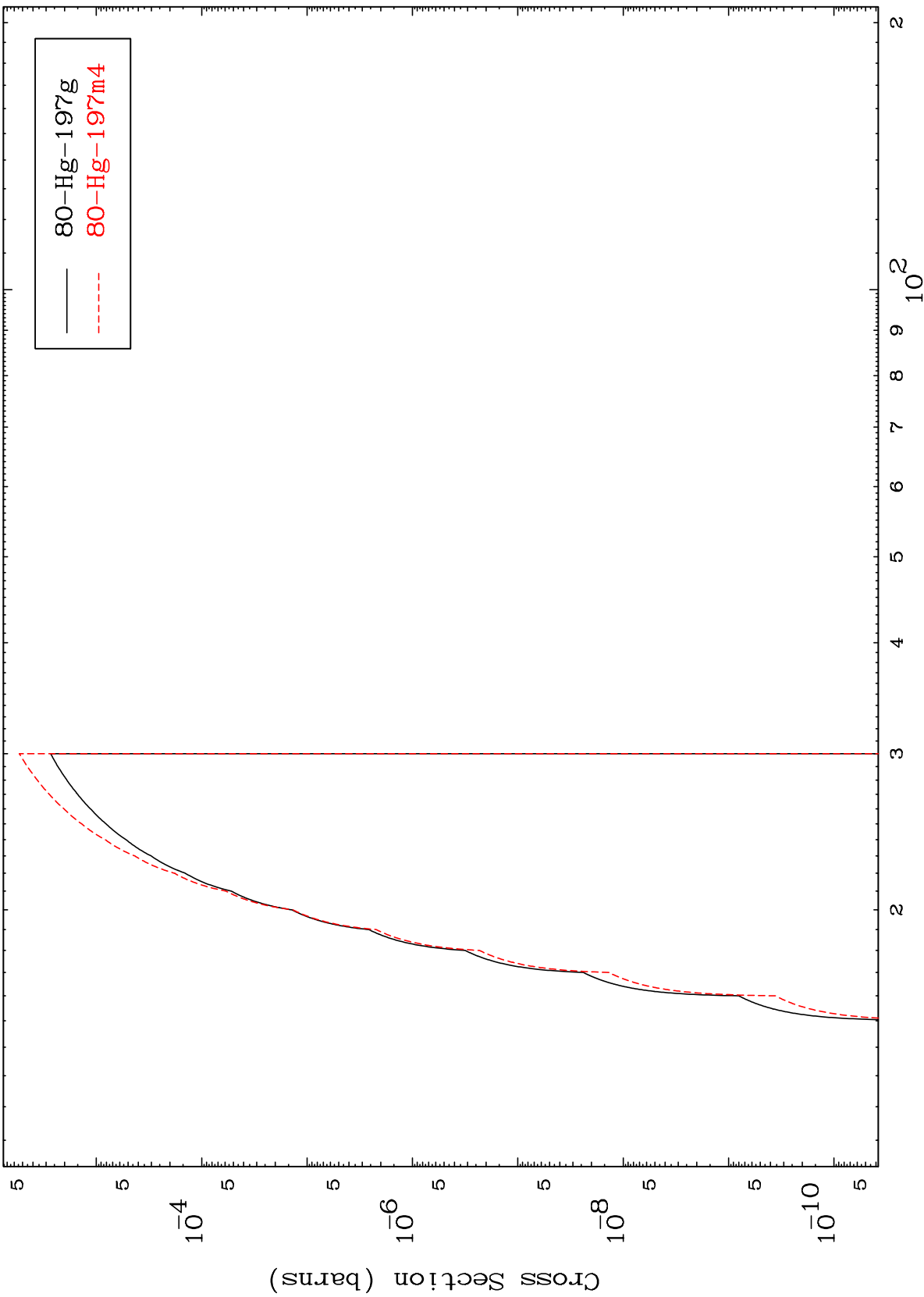


142

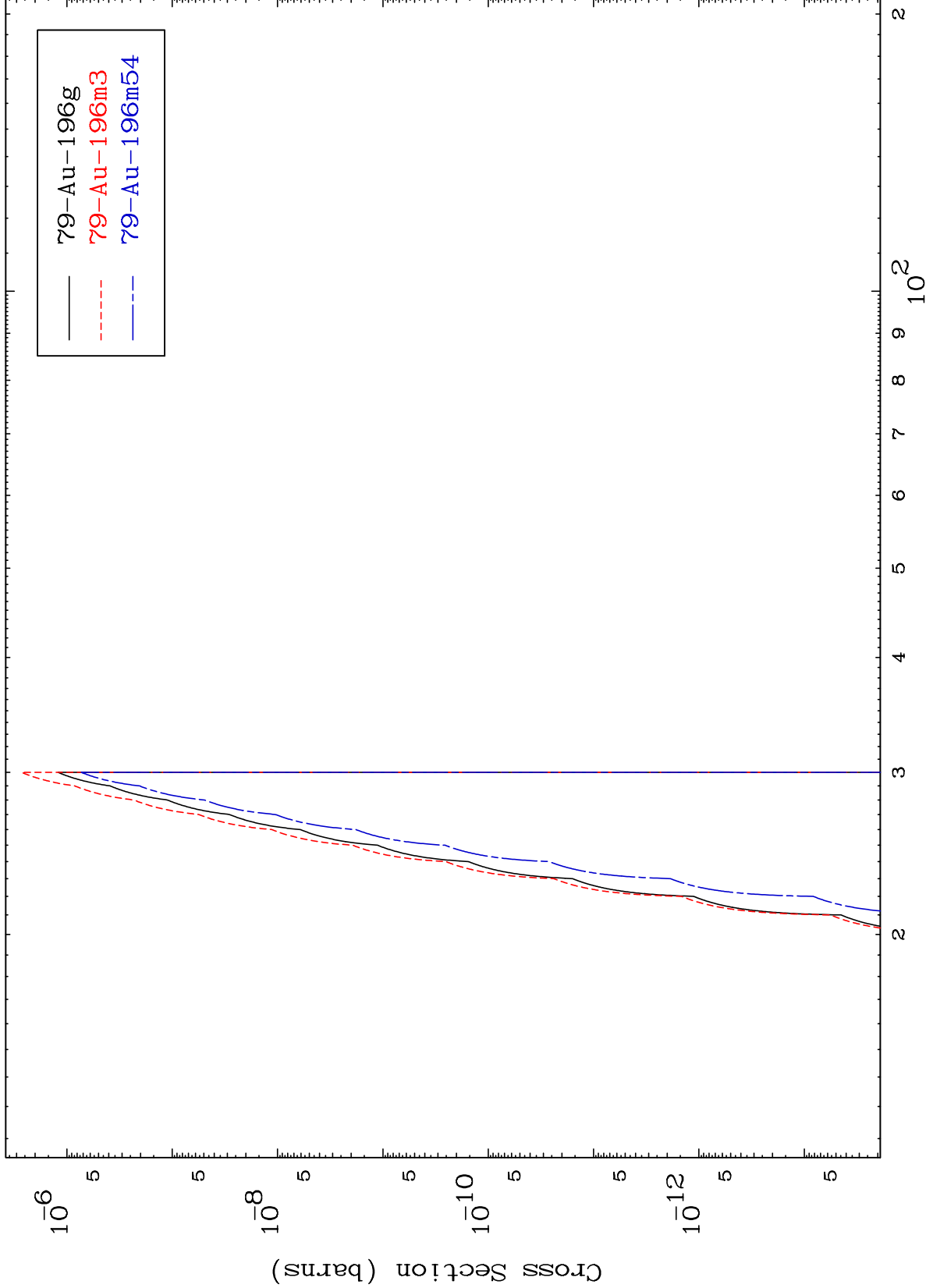
Incident Energy (MeV)

81-Tl-199

Radionuclide Production Cross Section



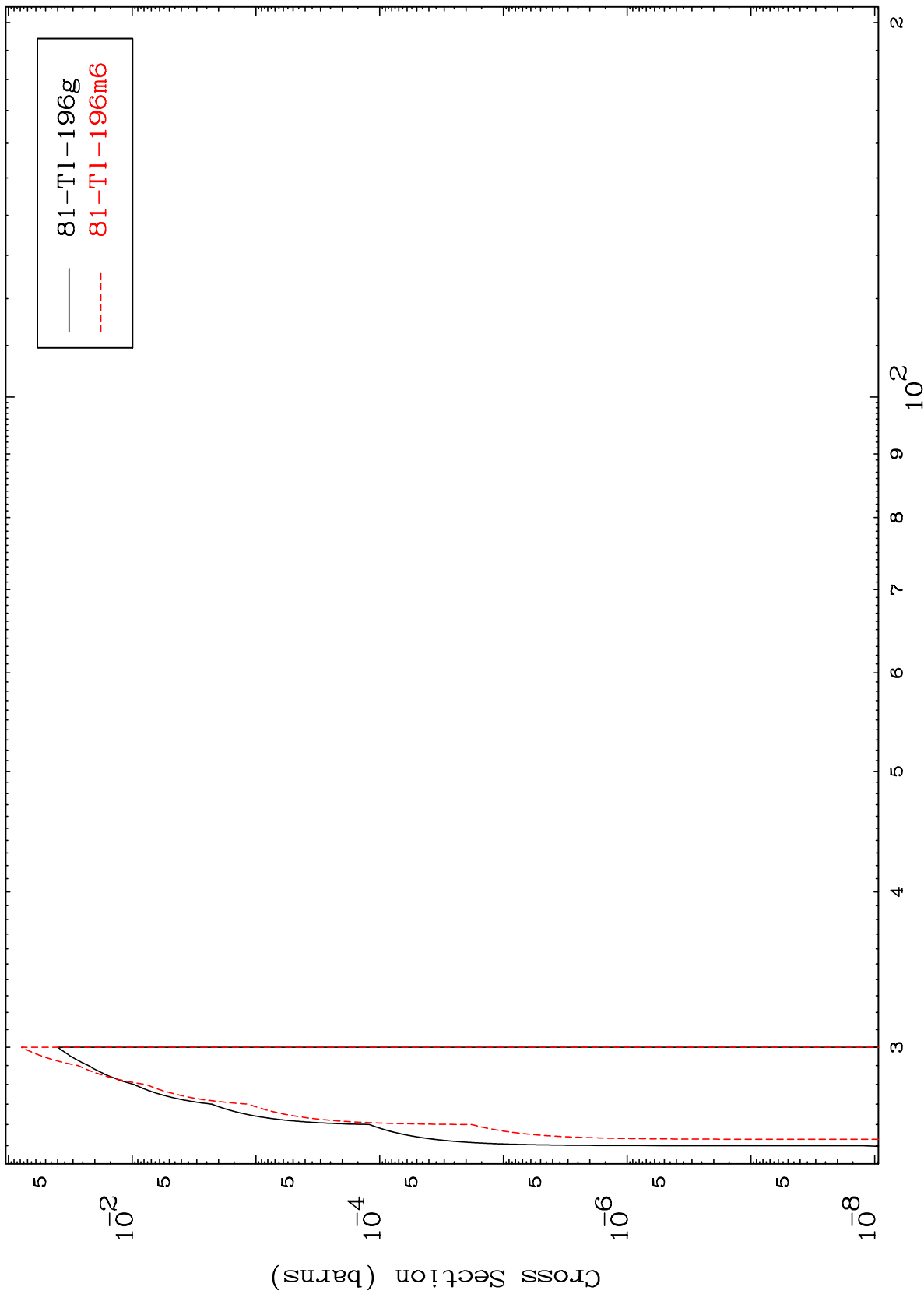
Radionuclide Production Cross Section



MAT 8113

81-Tl-199

(n,4n)
Radionuclide Production Cross Section

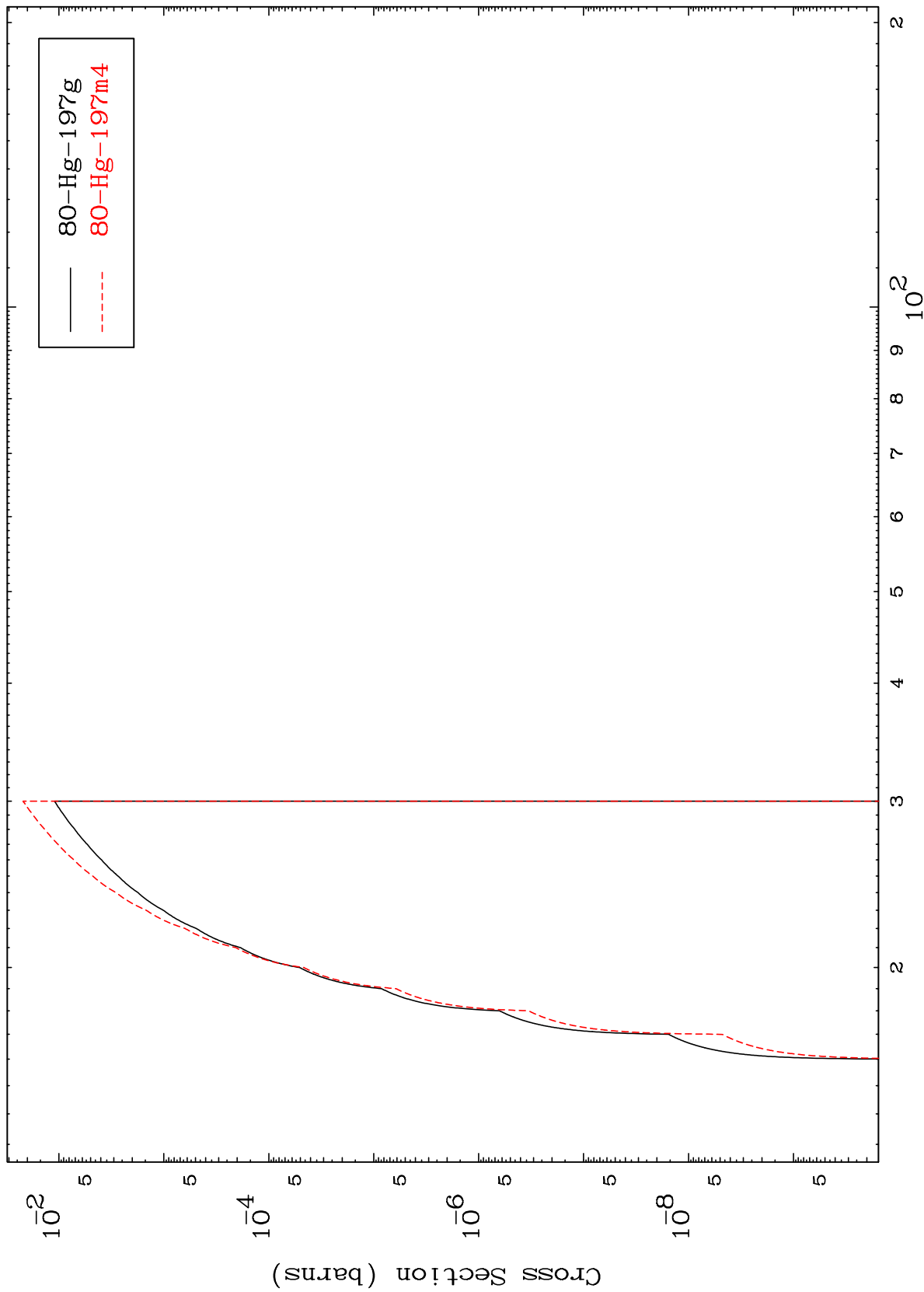


145

81-Tl-199

Incident Energy (MeV)

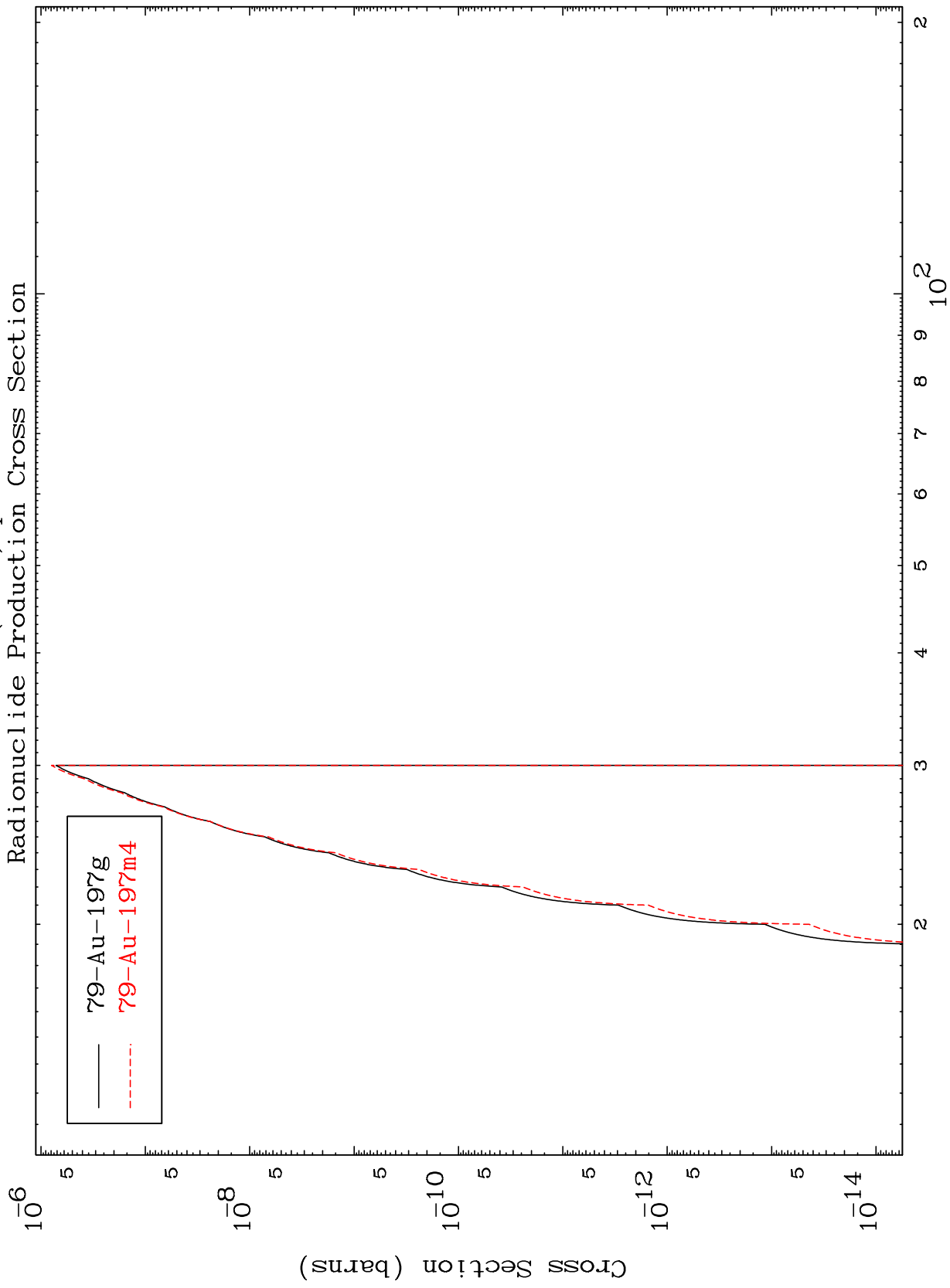
Radionuclide Production Cross Section



MAT 81113

81-T1-199

(n,2n) p
Radionuclide Production Cross Section



147

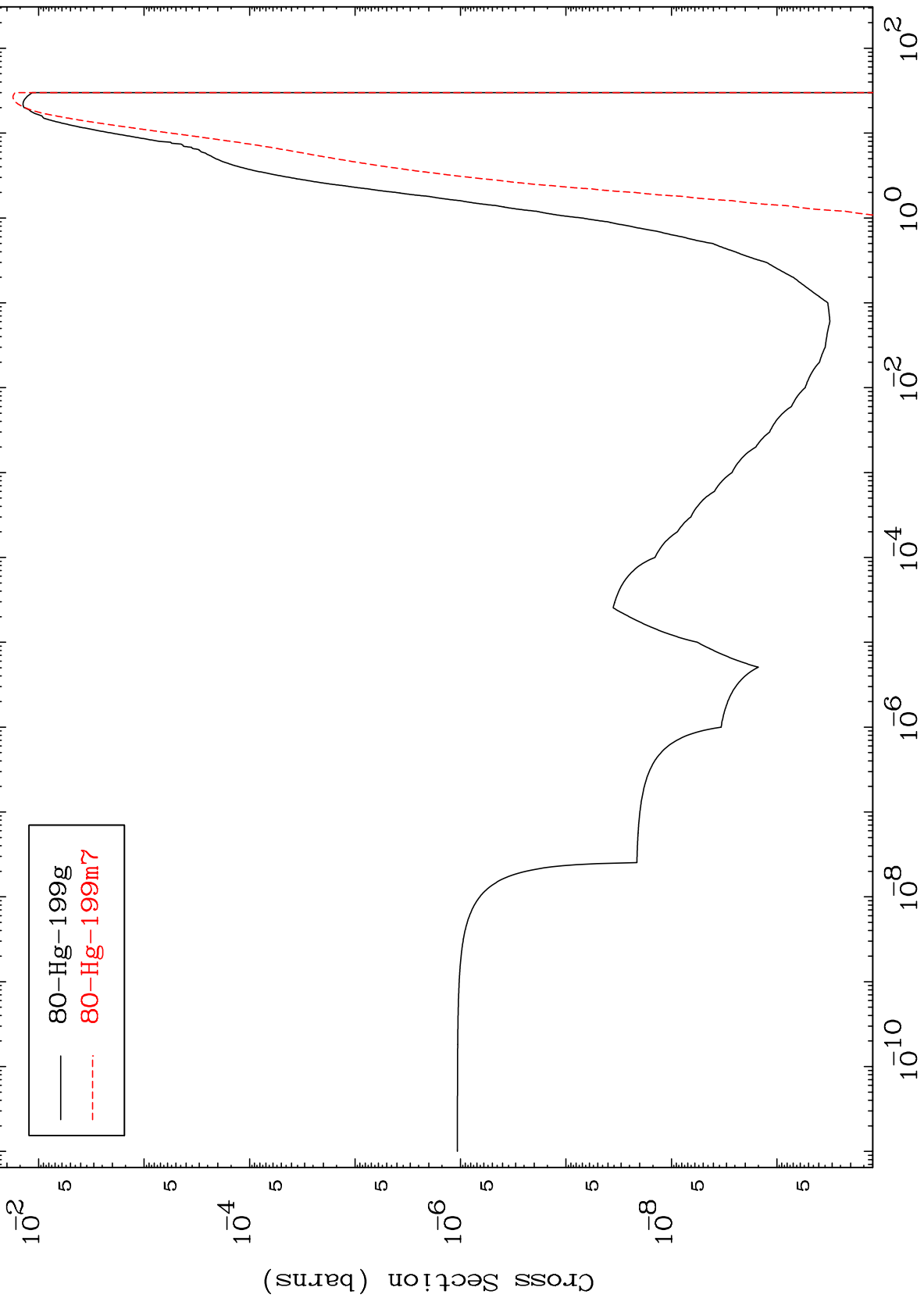
Incident Energy (MeV)

81-T1-199

MAT 8113

81-Tl-199

(n,p)
Radionuclide Production Cross Section



81-Tl-199

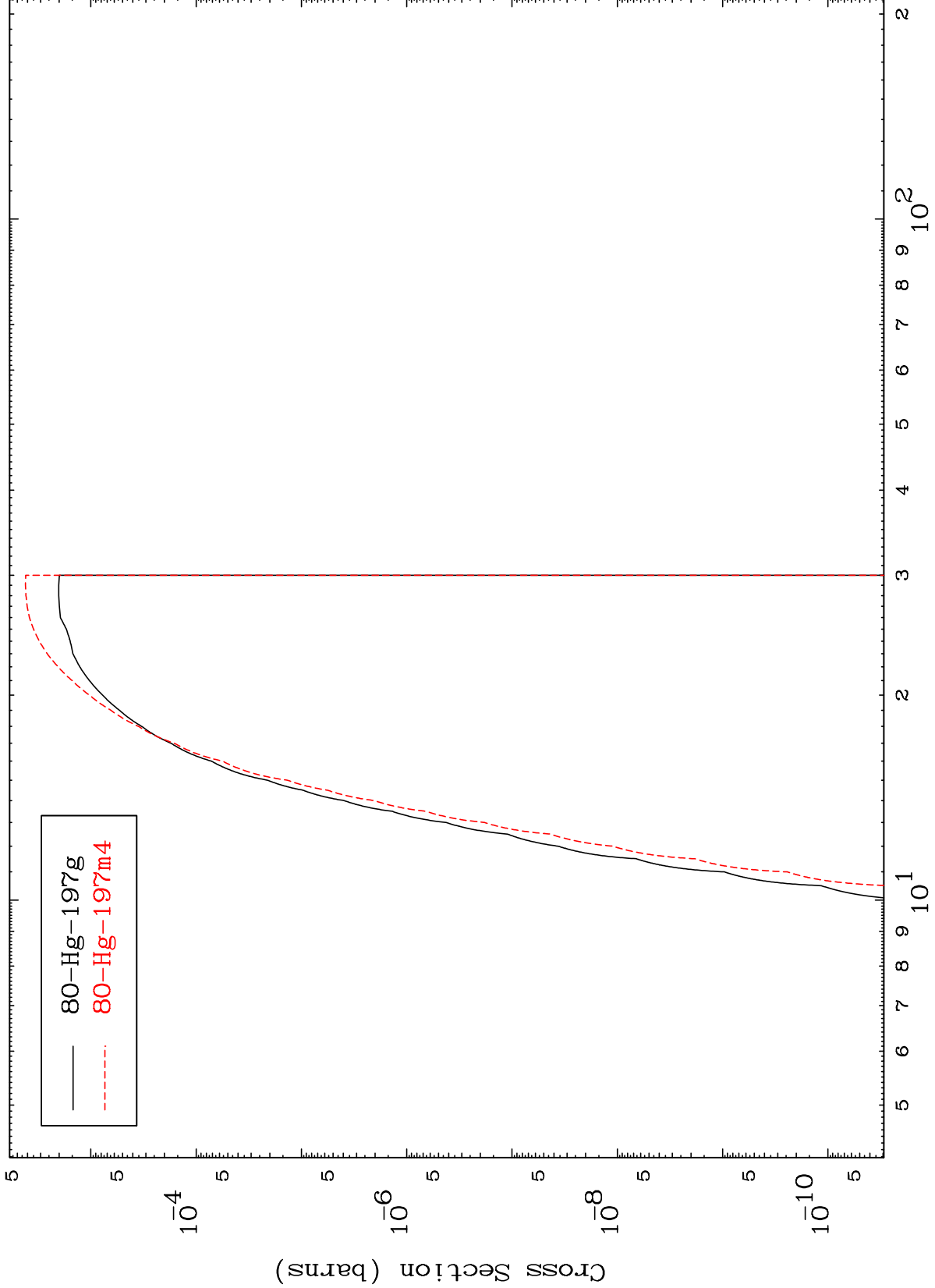
Incident Energy (MeV)

148

MAT 81113

81-T1-199

Radionuclide Production Cross Section
(n, t)



80-Hg-197g
80-Hg-197m4

149

Incident Energy (MeV)

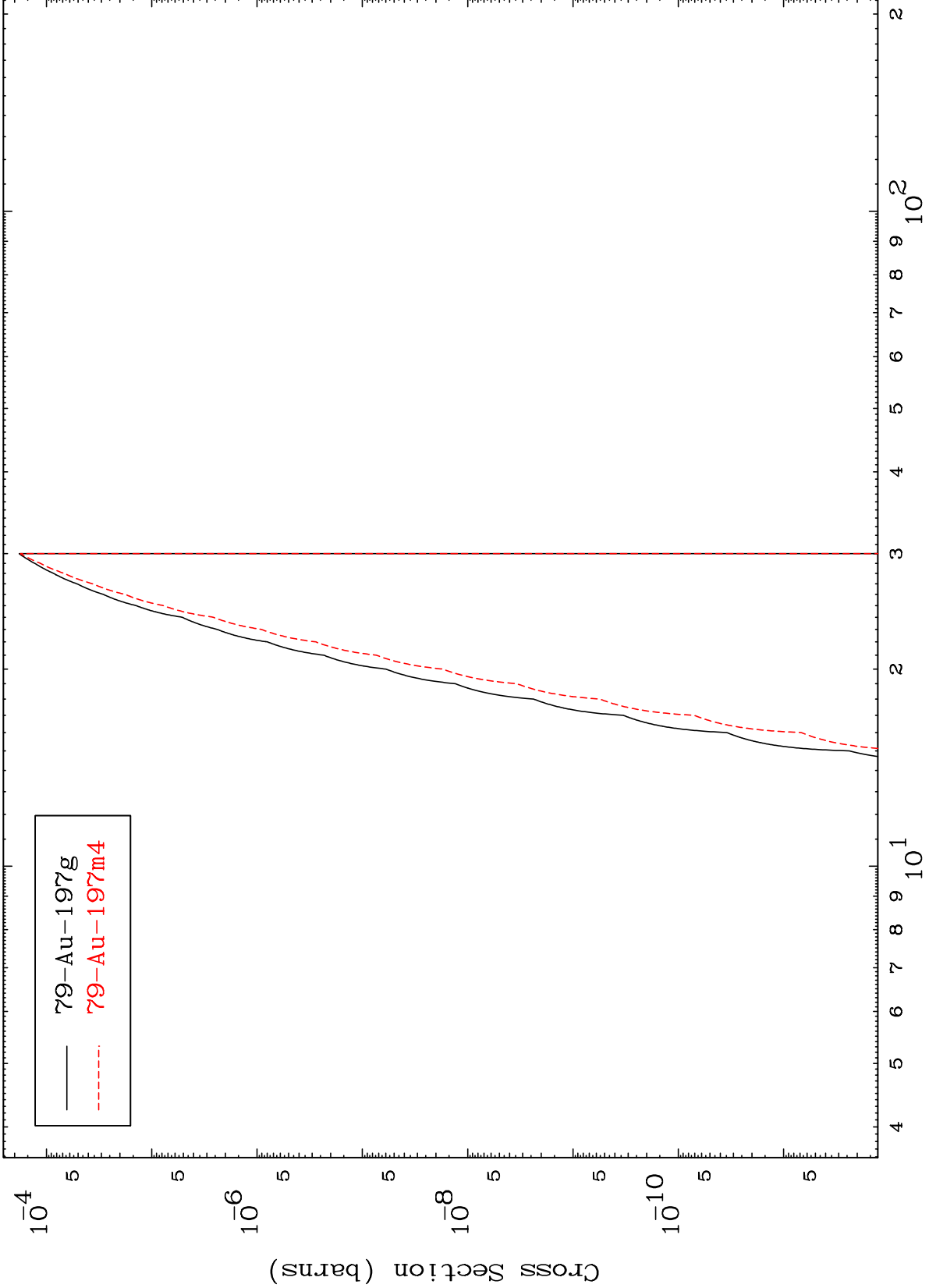
81-T1-199

MAT 81113

(n,He-3)

81-Tl-199

Radionuclide Production Cross Section



— $^{79}\text{Au-197g}$
- - - $^{79}\text{Au-197m4}$

150

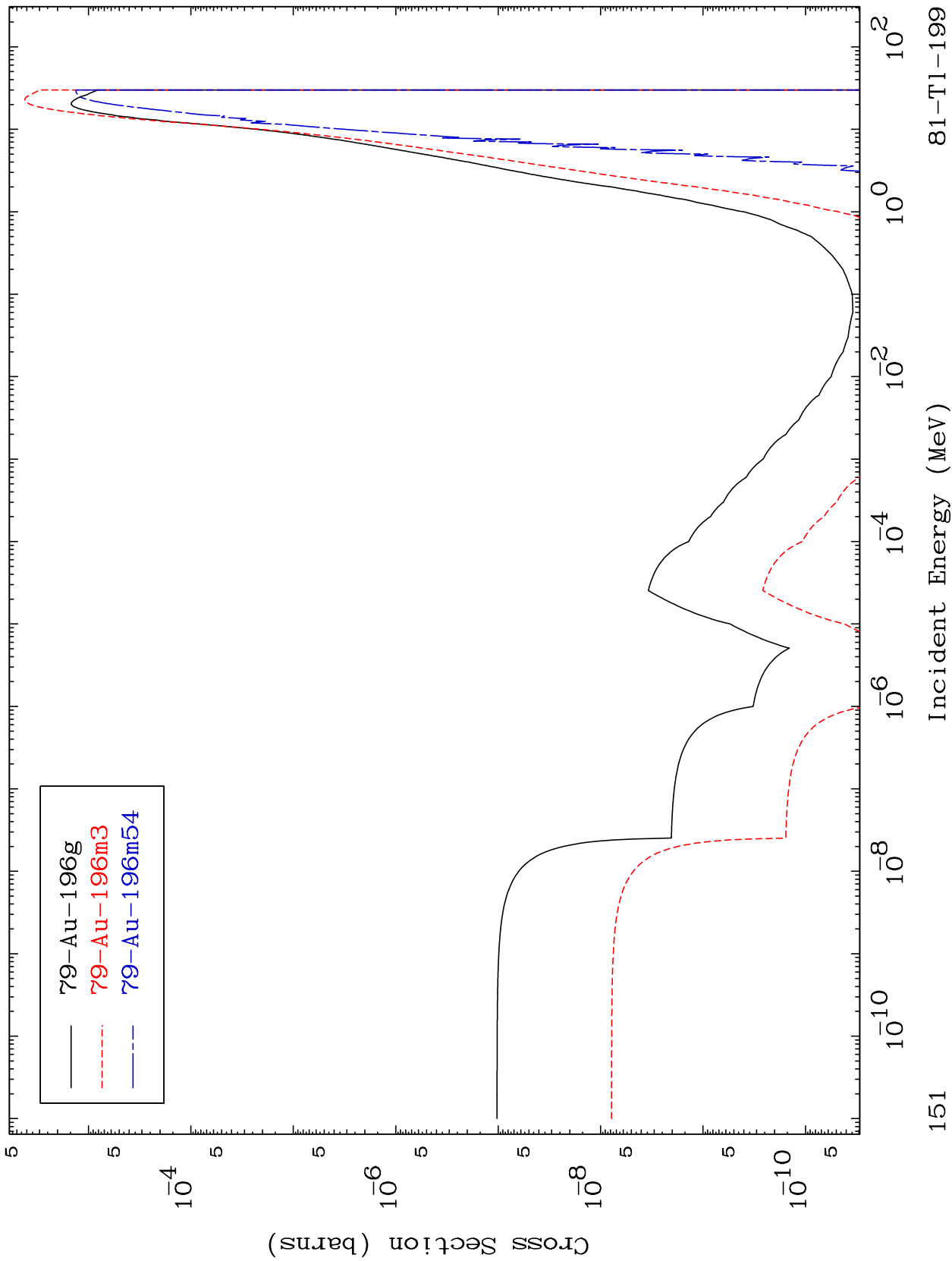
Incident Energy (MeV)

81-Tl-199

MAT 8113

81-Tl-199

Radionuclide Production Cross Section
(n, α)



79-Au-196g
79-Au-196m3
79-Au-196m54

151

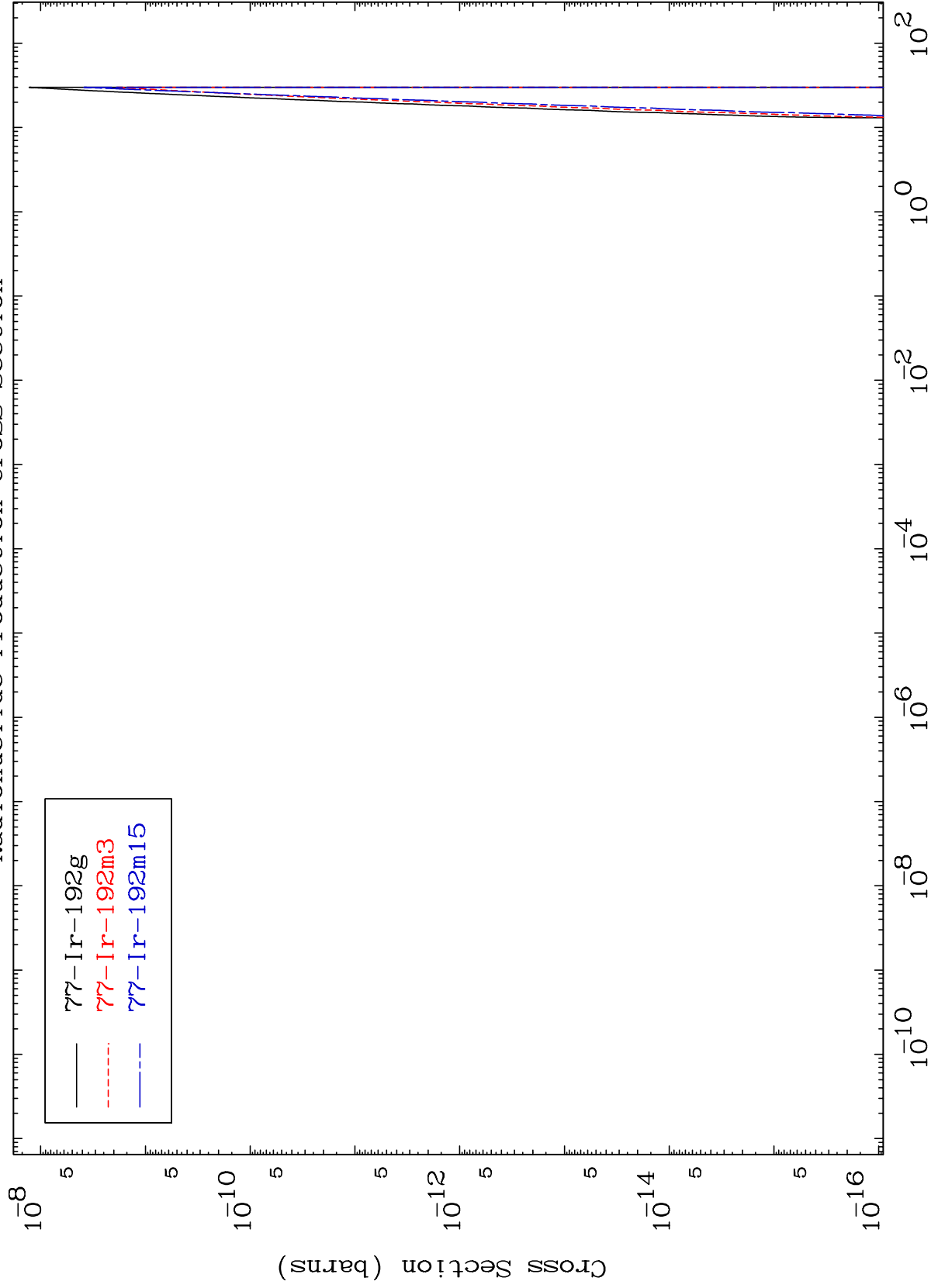
81-Tl-199

MAT 81113

(n,2α)

81-Tl-199

Radionuclide Production Cross Section



152

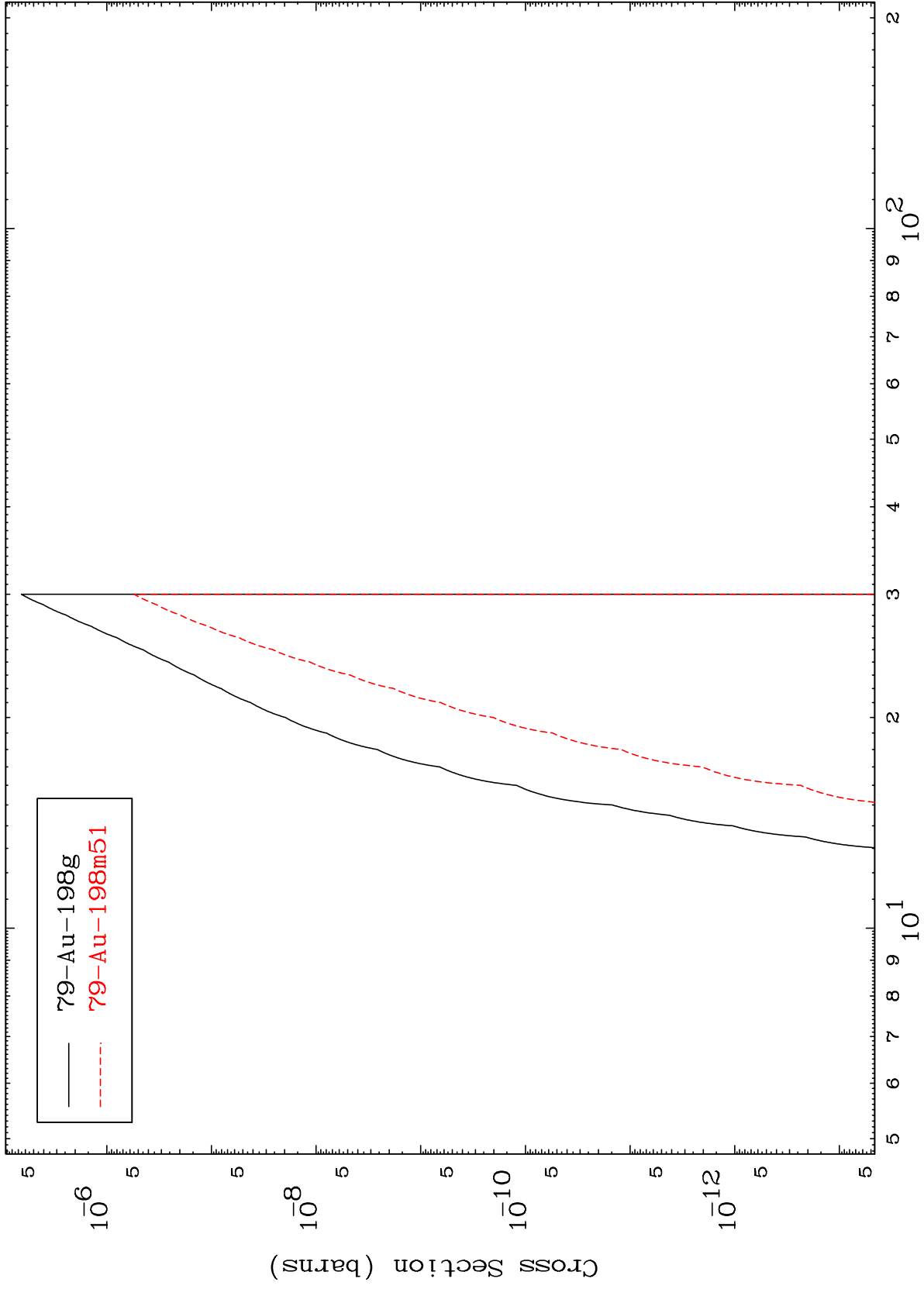
Incident Energy (MeV)

81-Tl-199

MAT 81113

81-Tl-199

(n,2p)
Radionuclide Production Cross Section



153

Incident Energy (MeV)

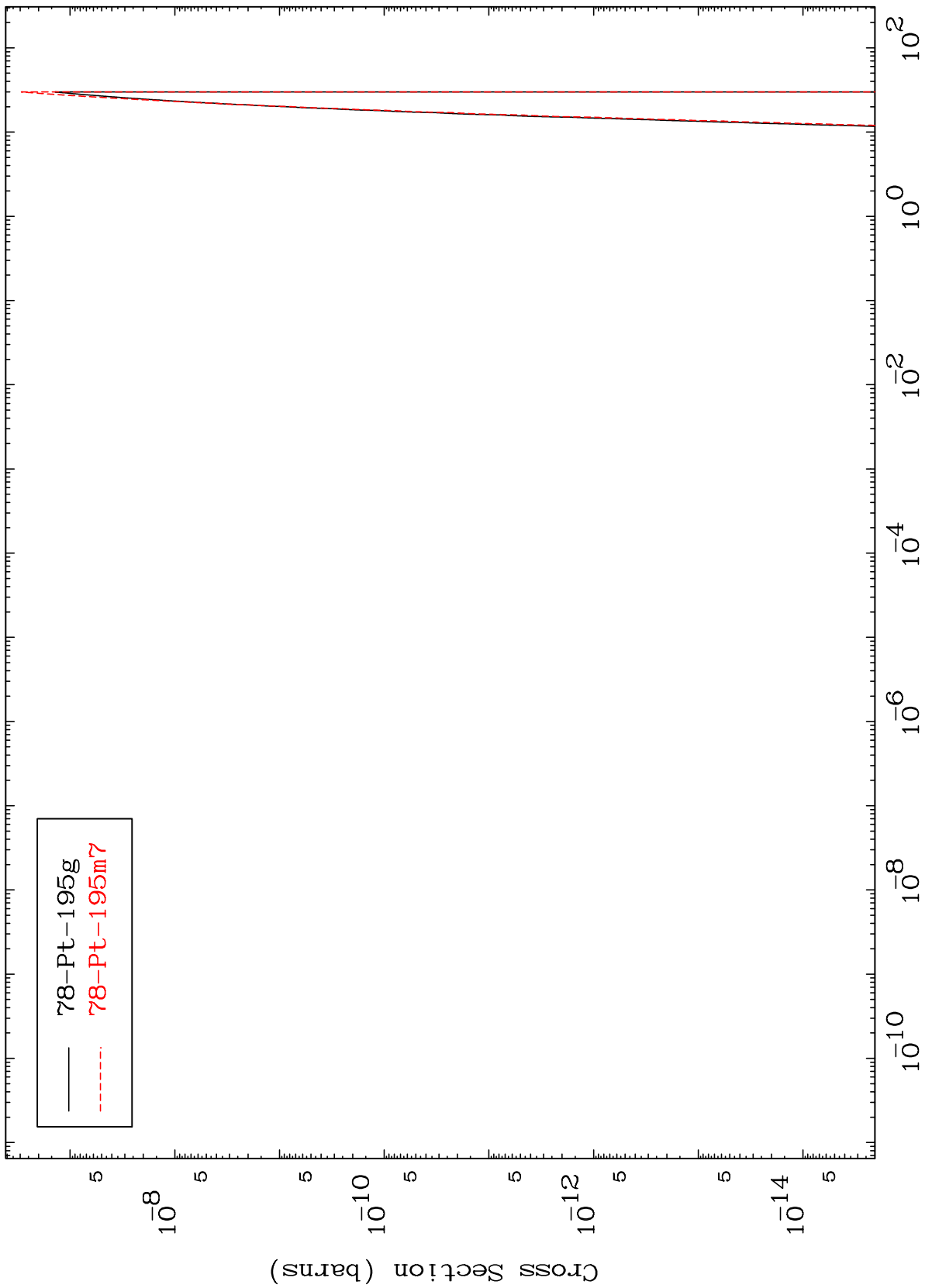
81-Tl-199

MAT 8113

(n,p) α

81-Tl-199

Radionuclide Production Cross Section



154

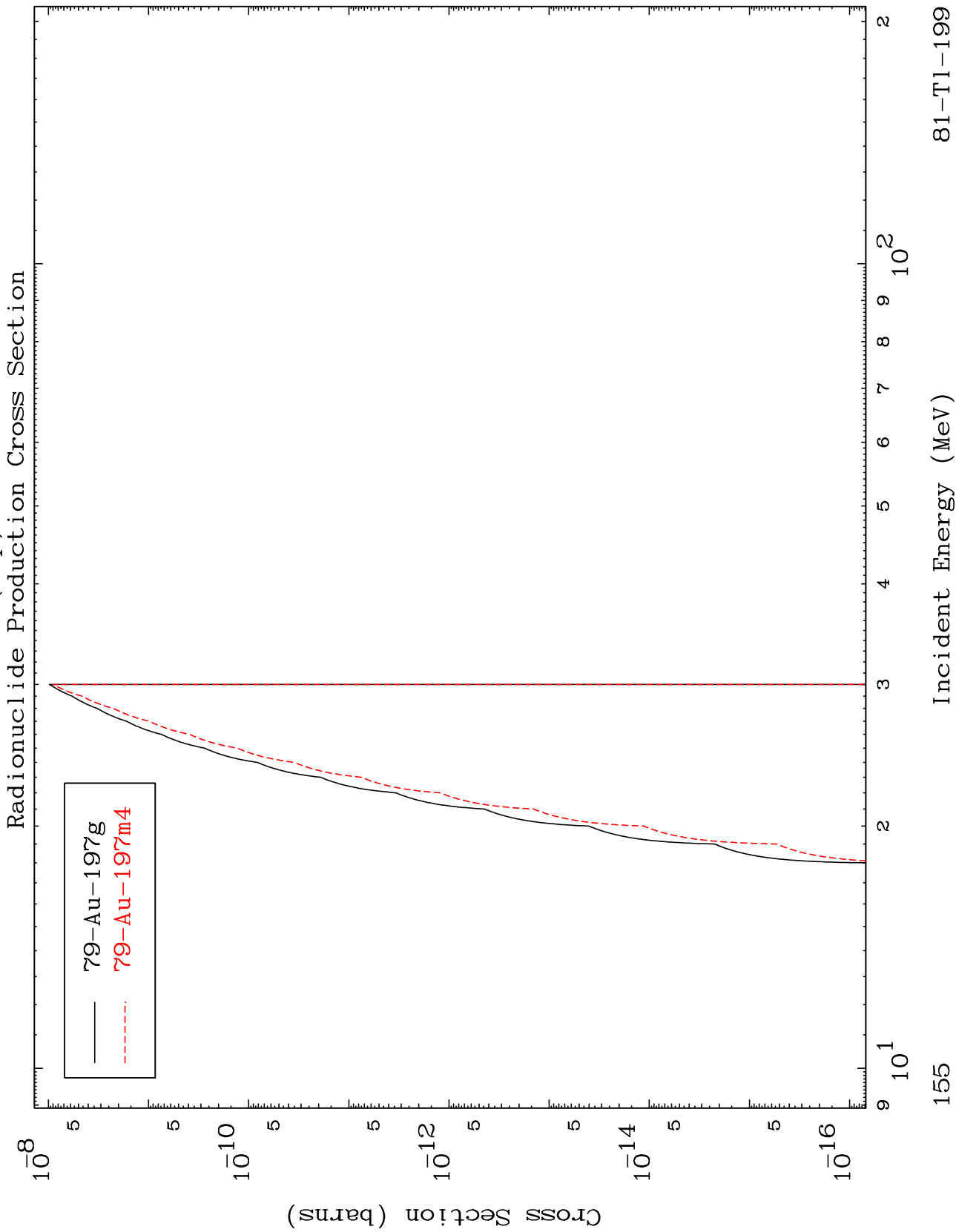
Incident Energy (MeV)

81-Tl-199

MAT 81113

(n,p) d

81-Tl-199



Radionuclide Production Cross Section

