

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

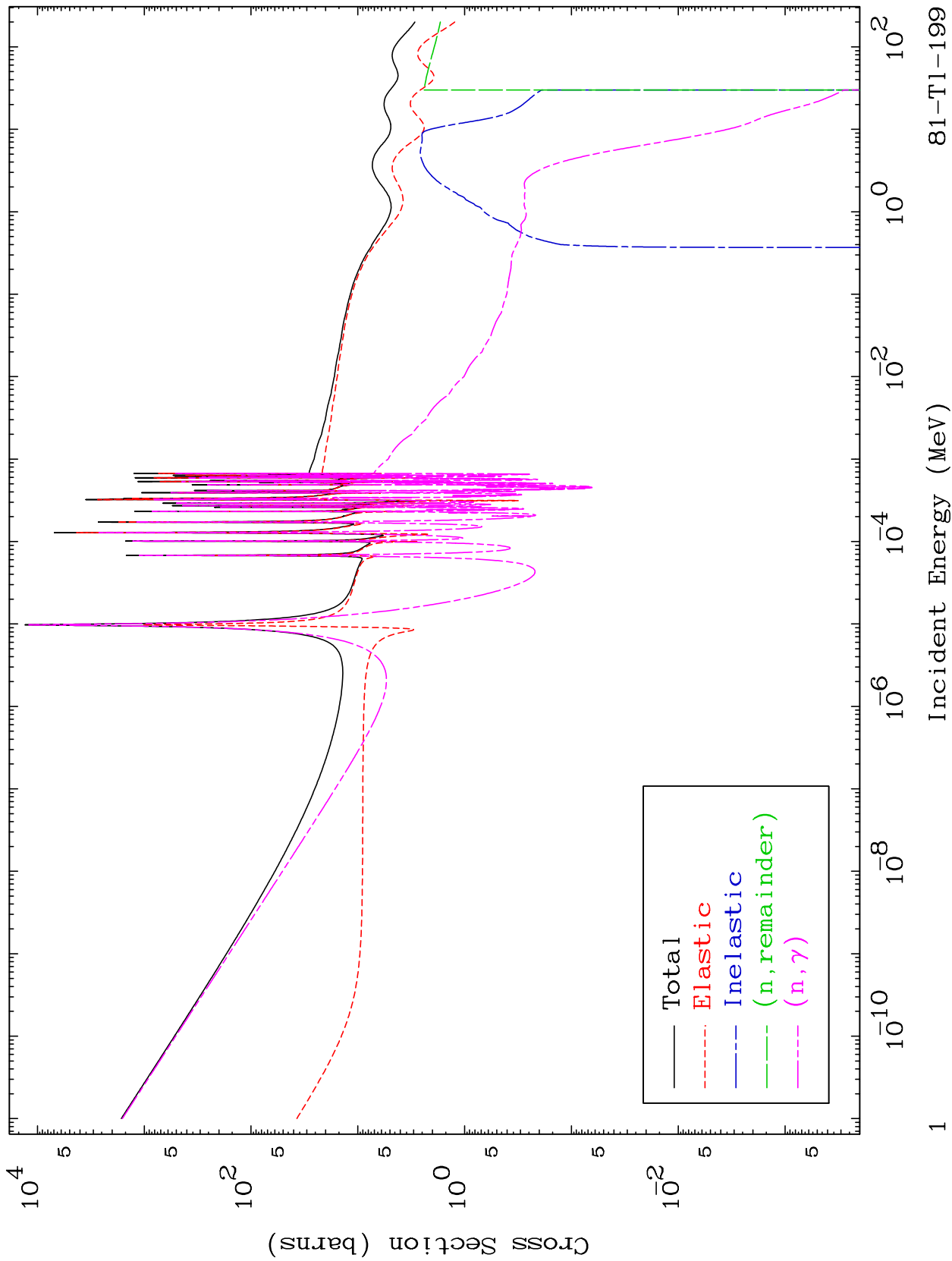
Press Mouse Button to Start

MAT 81113

Major

293 Kelvin Cross Sections

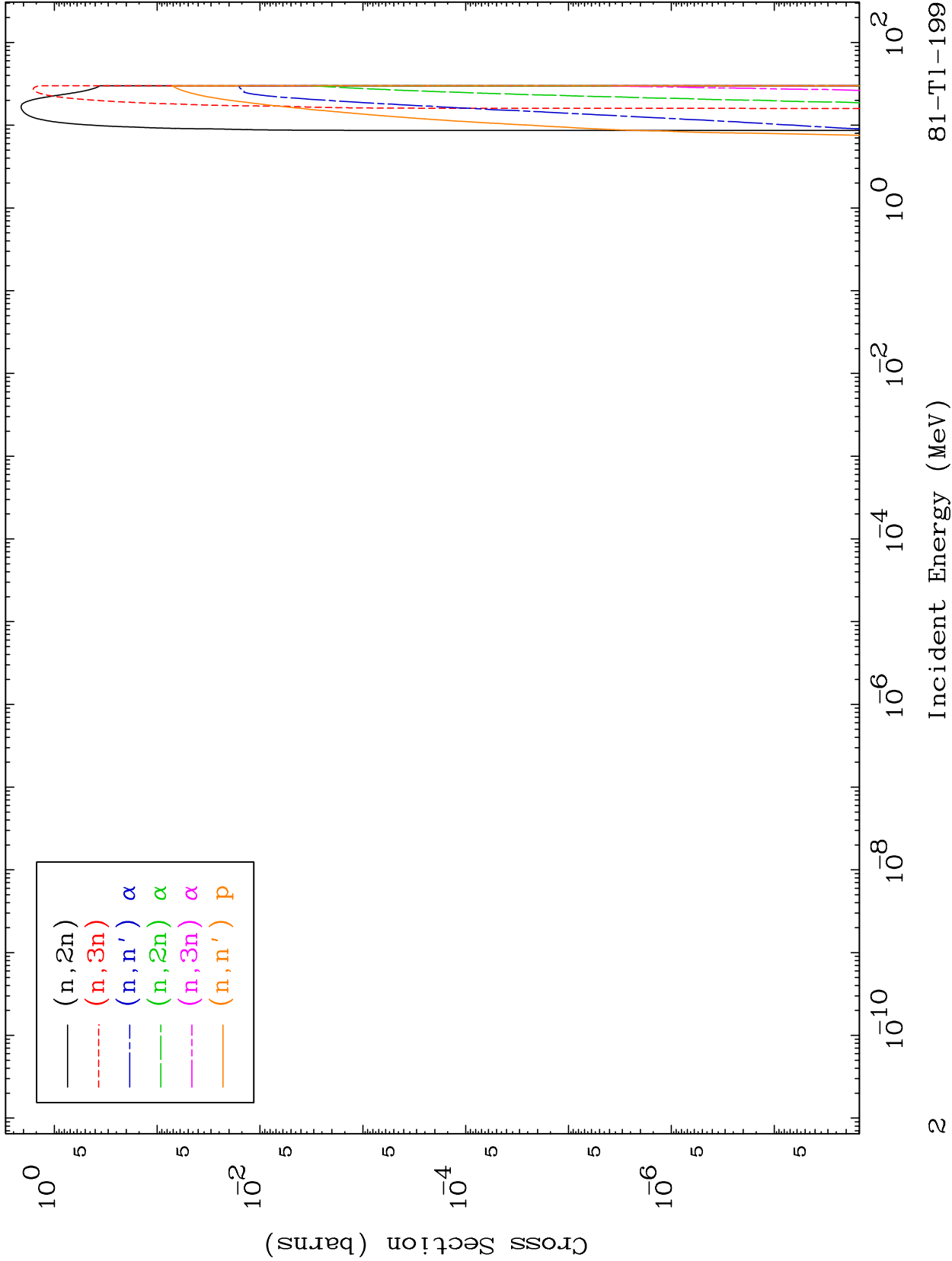
81-Tl-199

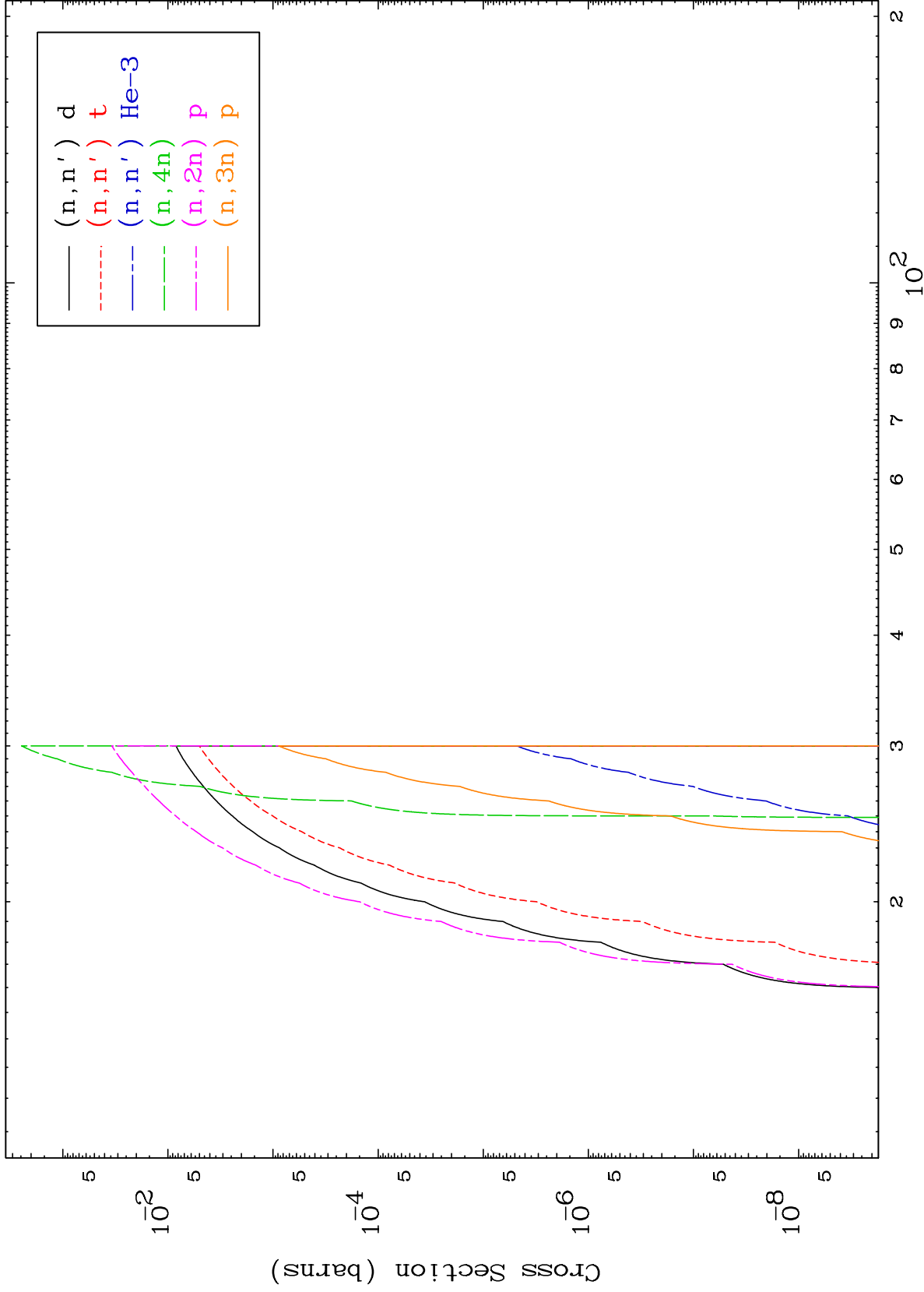


MAT 81113

Neutron Production
293 Kelvin Cross Sections

81-Tl-199

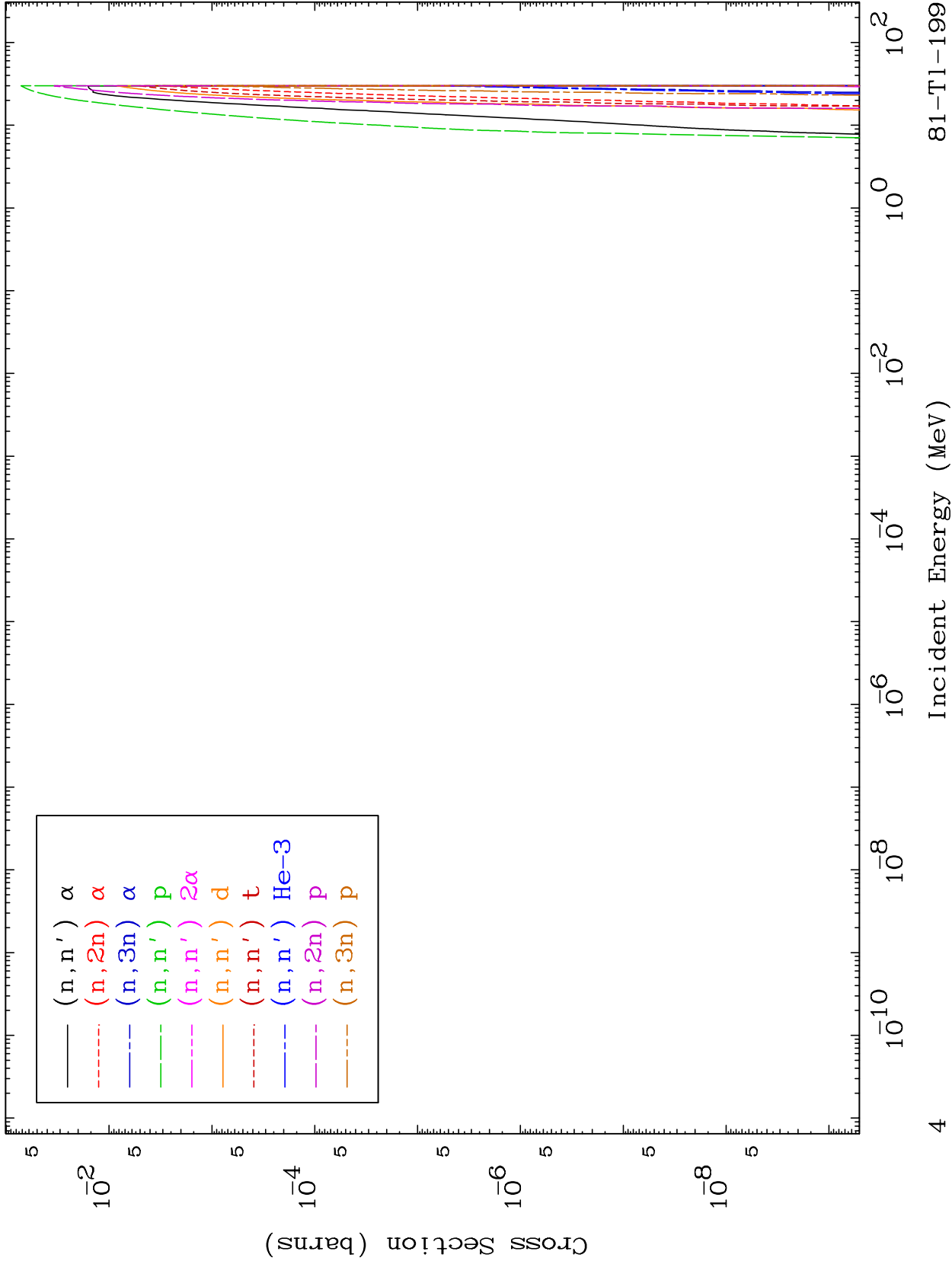




MAT 8113

Charged Particle
293 Kelvin Cross Sections

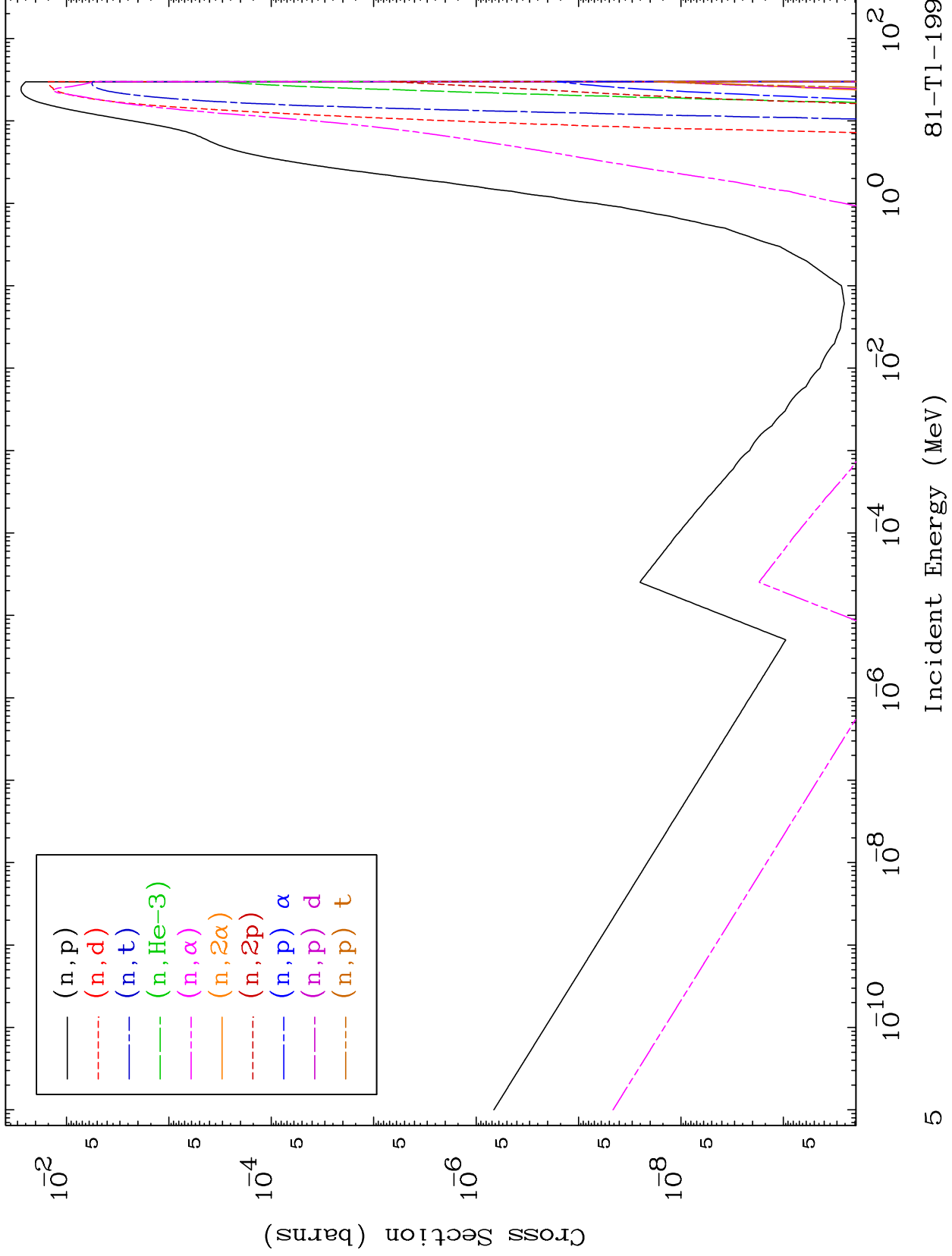
81-Tl-199



MAT 8113

Charged Particle
293 Kelvin Cross Sections

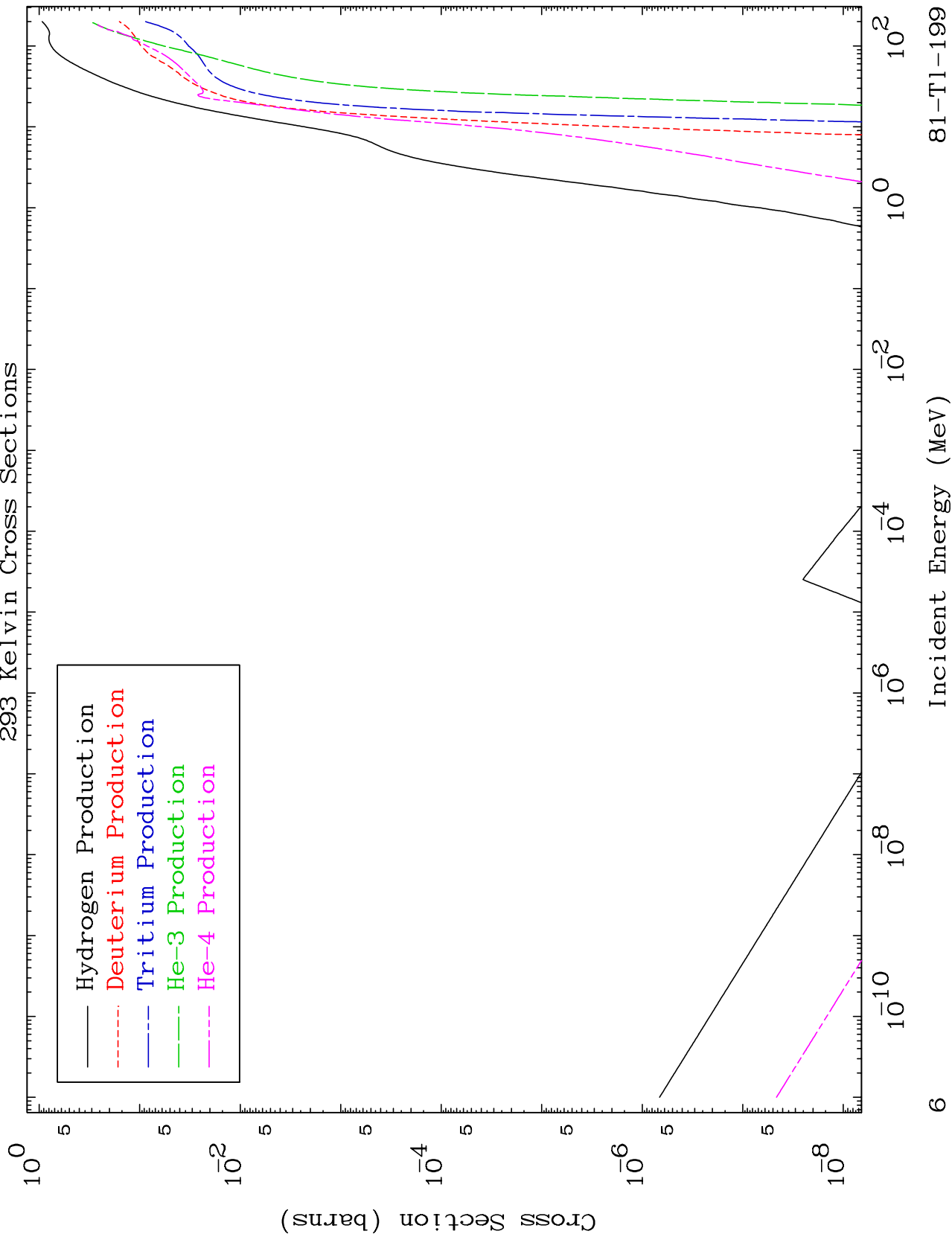
81-Tl-199



MAT 8113

Particle Production
293 Kelvin Cross Sections

81-Tl-199

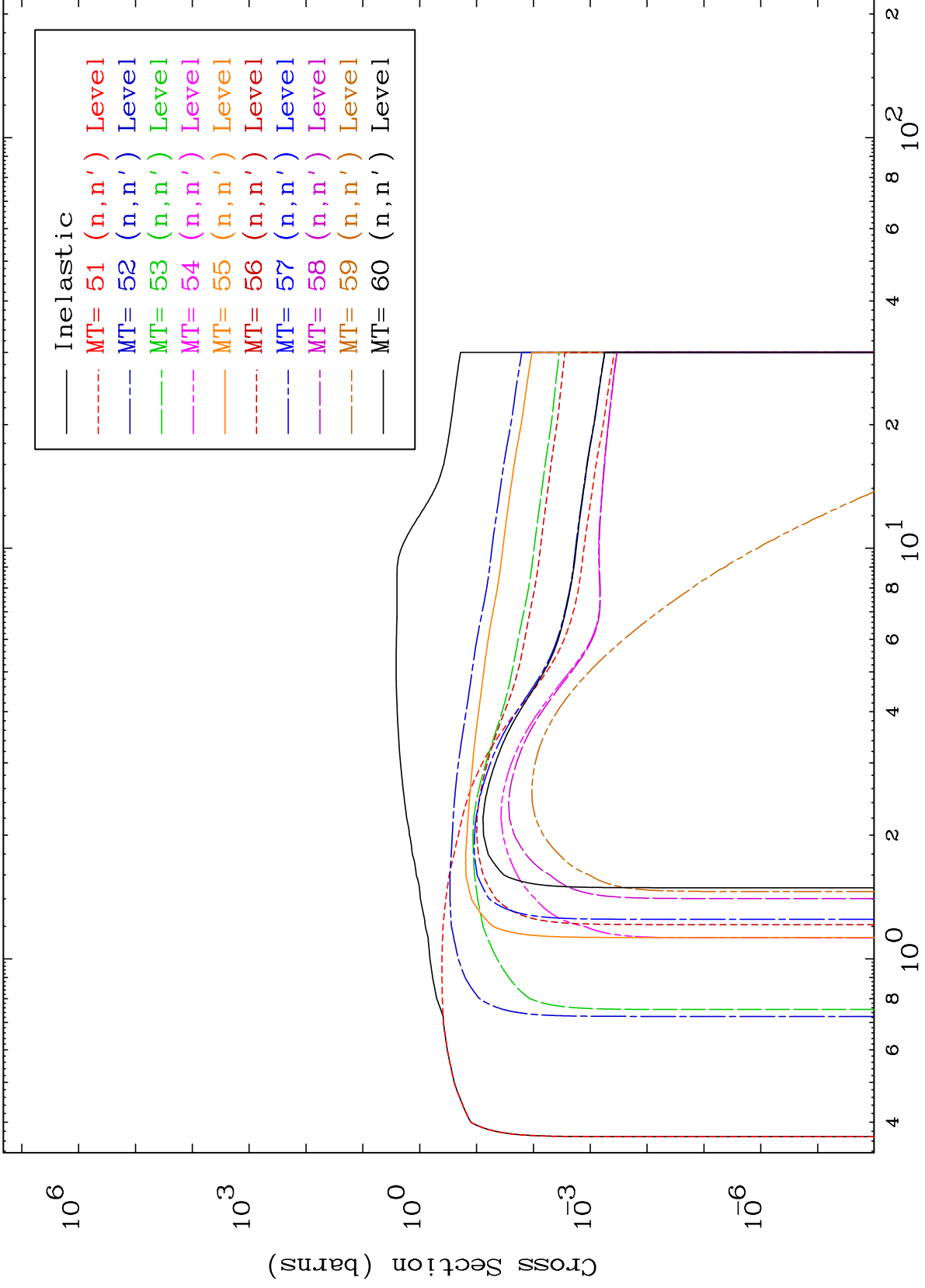


MAT 81113

(n,n') Level

81-Tl-199

293 Kelvin Cross Sections



7

Incident Energy (MeV)

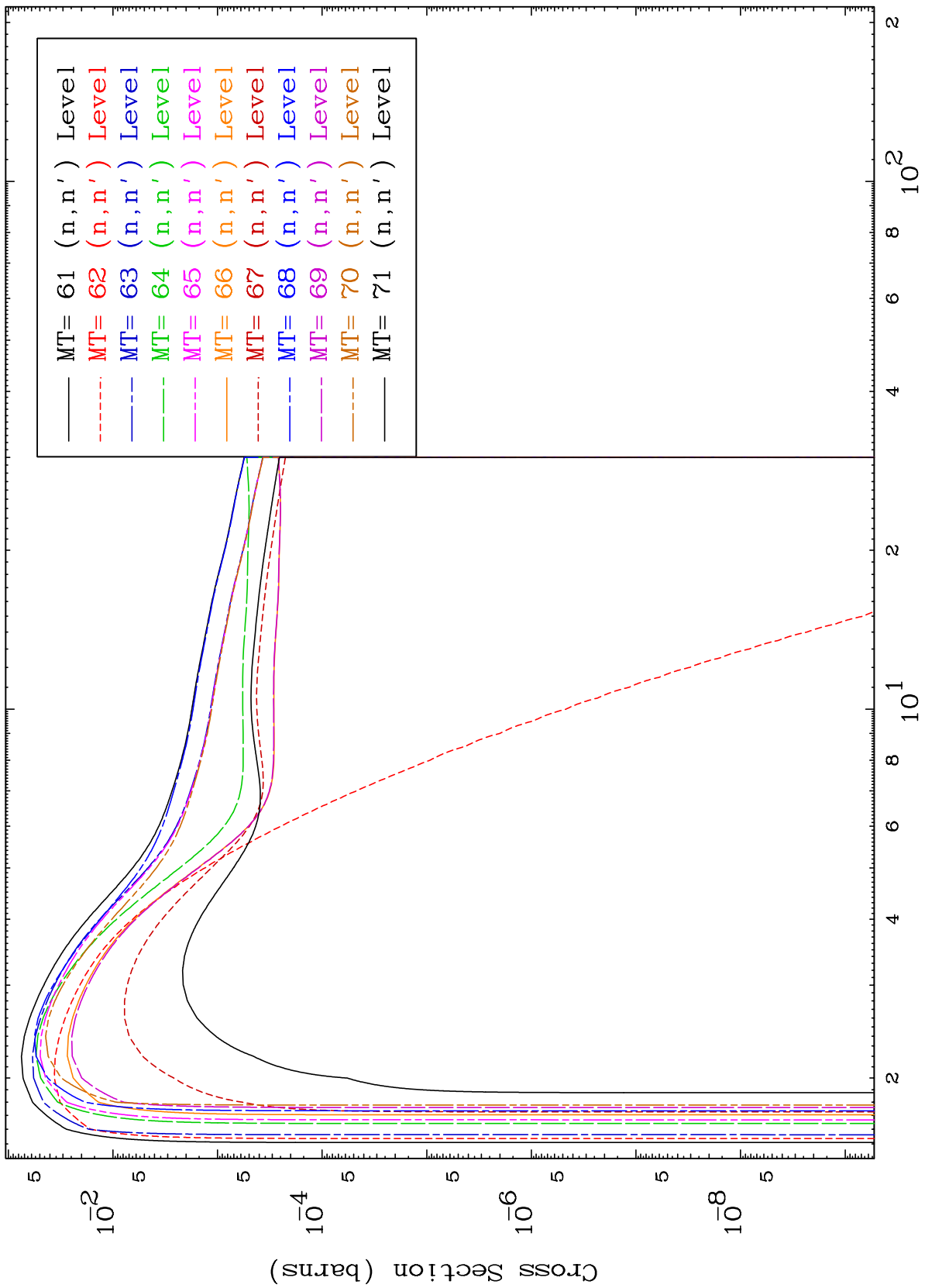
81-Tl-199

MAT 8113

(n,n') Level

81-Tl-199

293 Kelvin Cross Sections



8

Incident Energy (MeV)

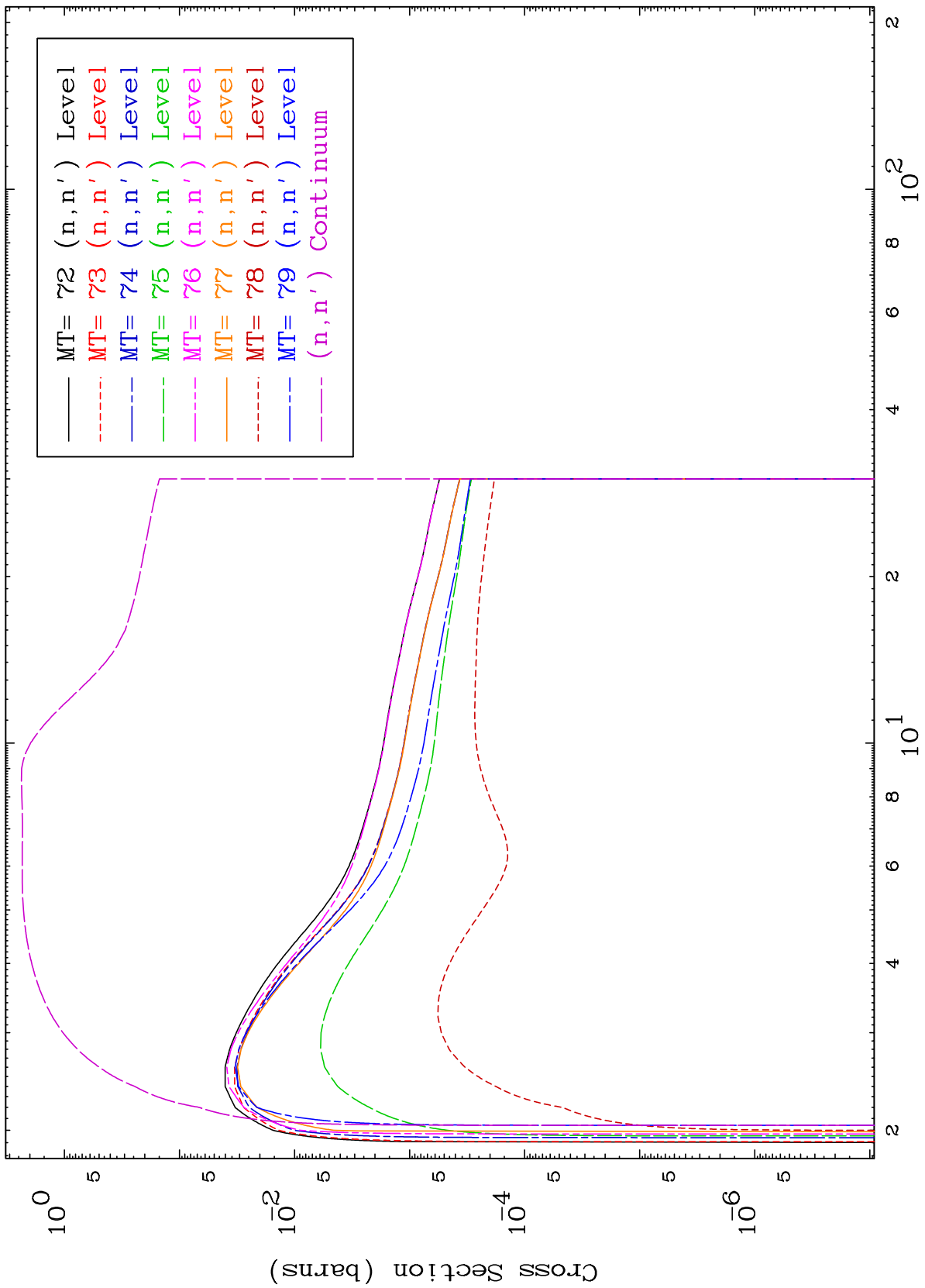
81-Tl-199

MAT 81113

(n,n') Level

81-Tl-199

293 Kelvin Cross Sections



9

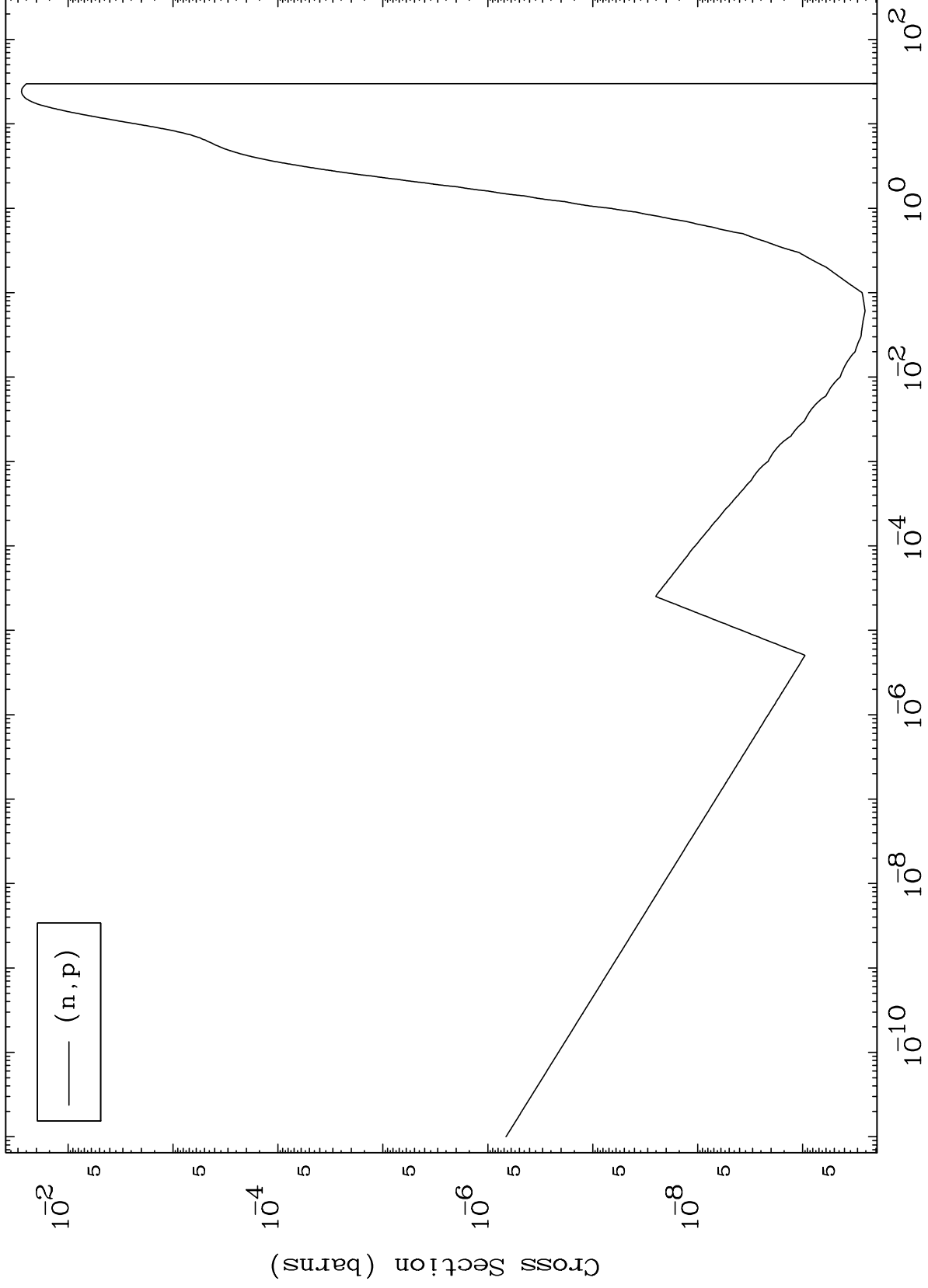
Incident Energy (MeV)

81-Tl-199

MAT 8113

(n,p) Levels
293 Kelvin Cross Sections

81-Tl-199



10

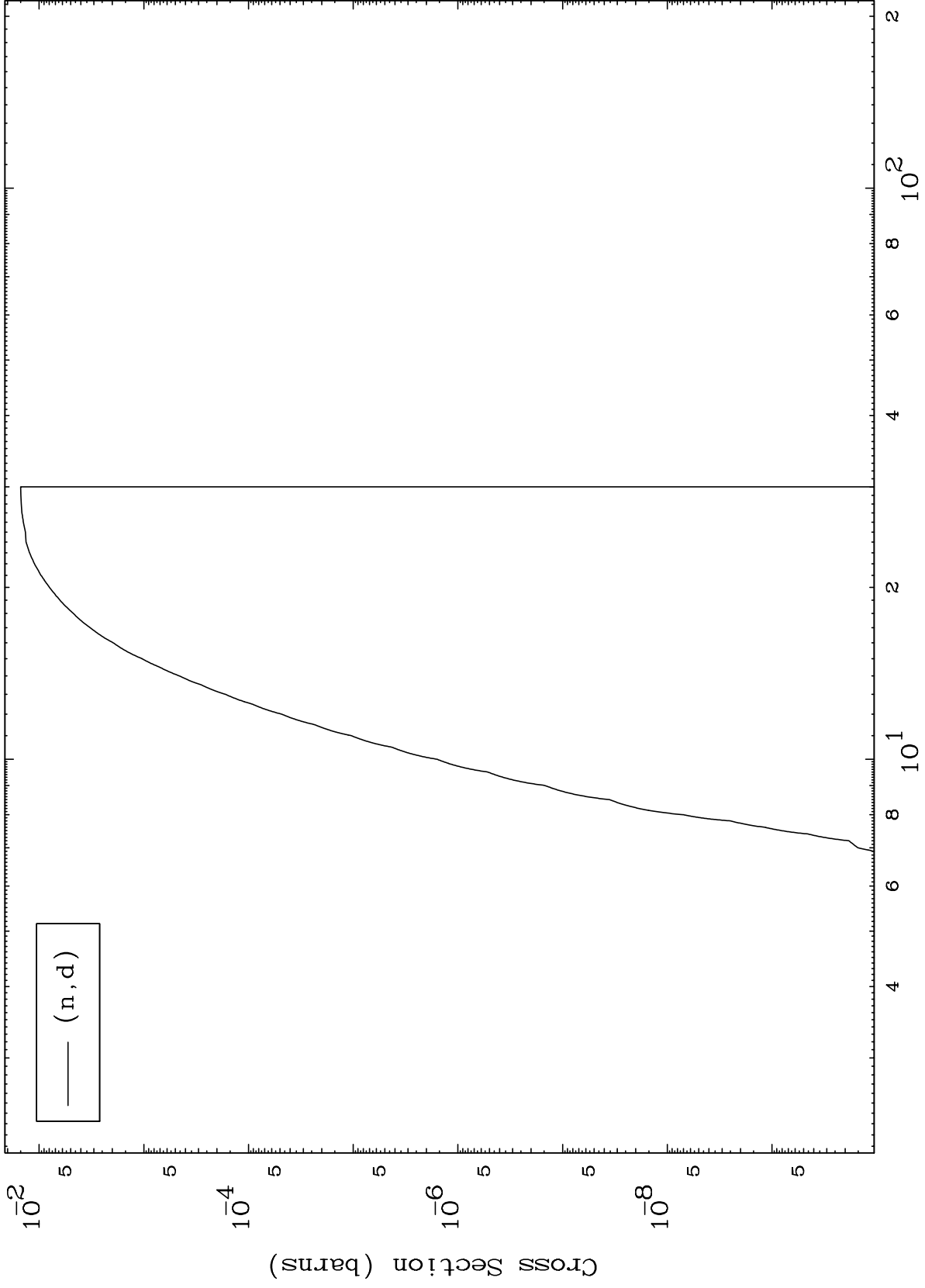
Incident Energy (MeV)

81-Tl-199

MAT 81113

(n,d) Levels
293 Kelvin Cross Sections

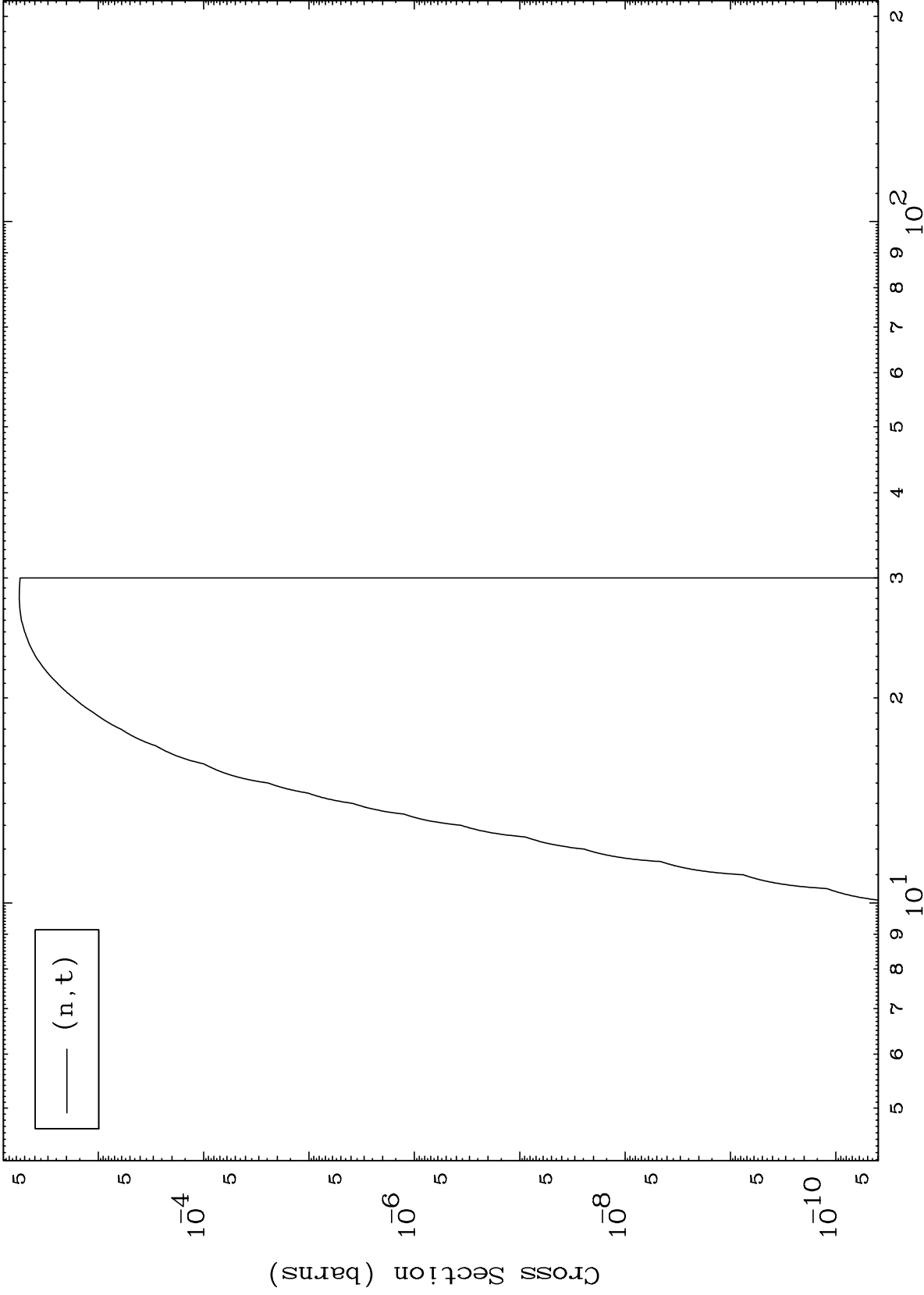
81-Tl-199



MAT 81113

(n,t) Levels
293 Kelvin Cross Sections

81-T1-199



12

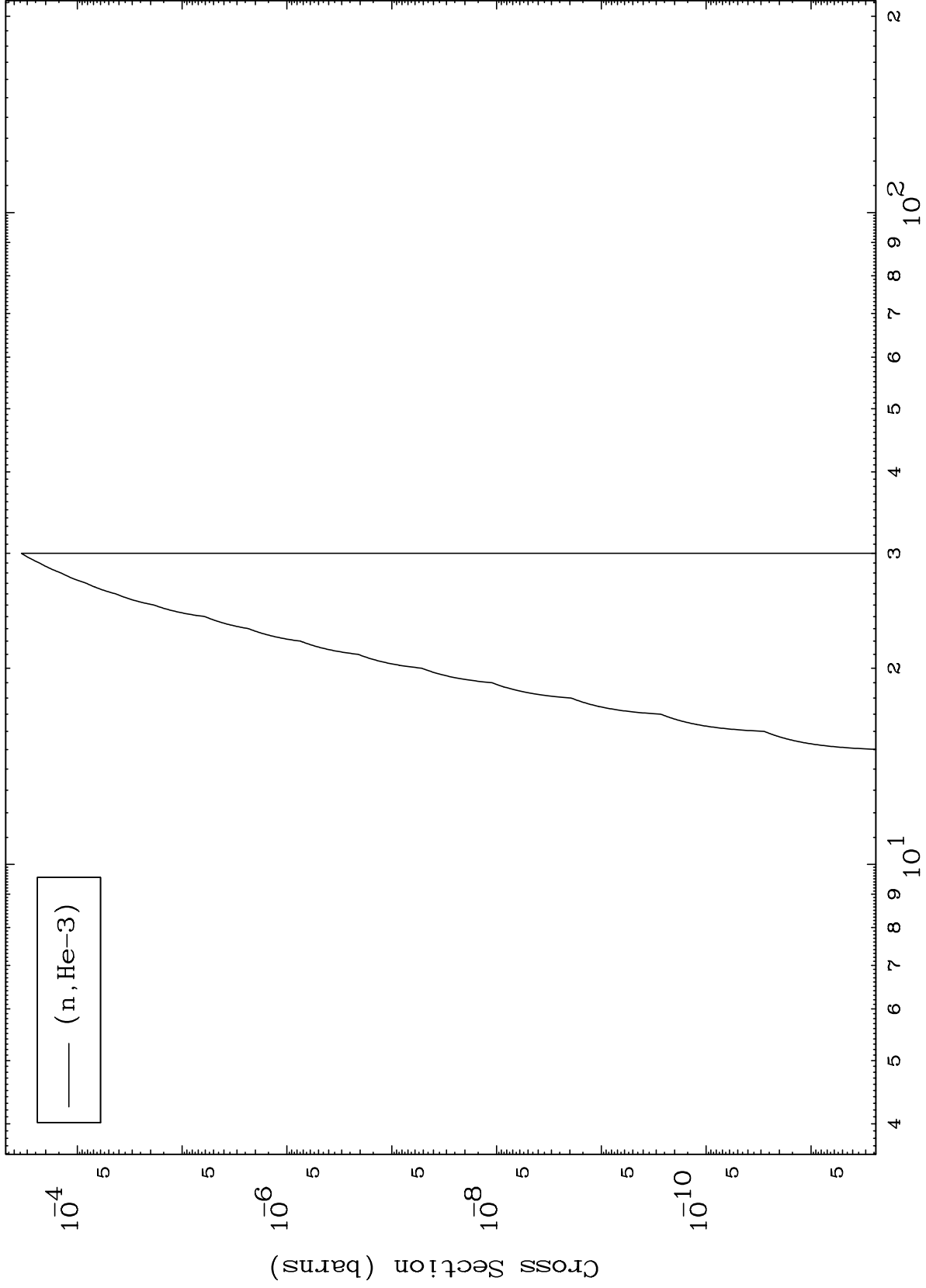
Incident Energy (MeV)

81-T1-199

MAT 81113

(n,He3) Levels
293 Kelvin Cross Sections

81-T1-199



13

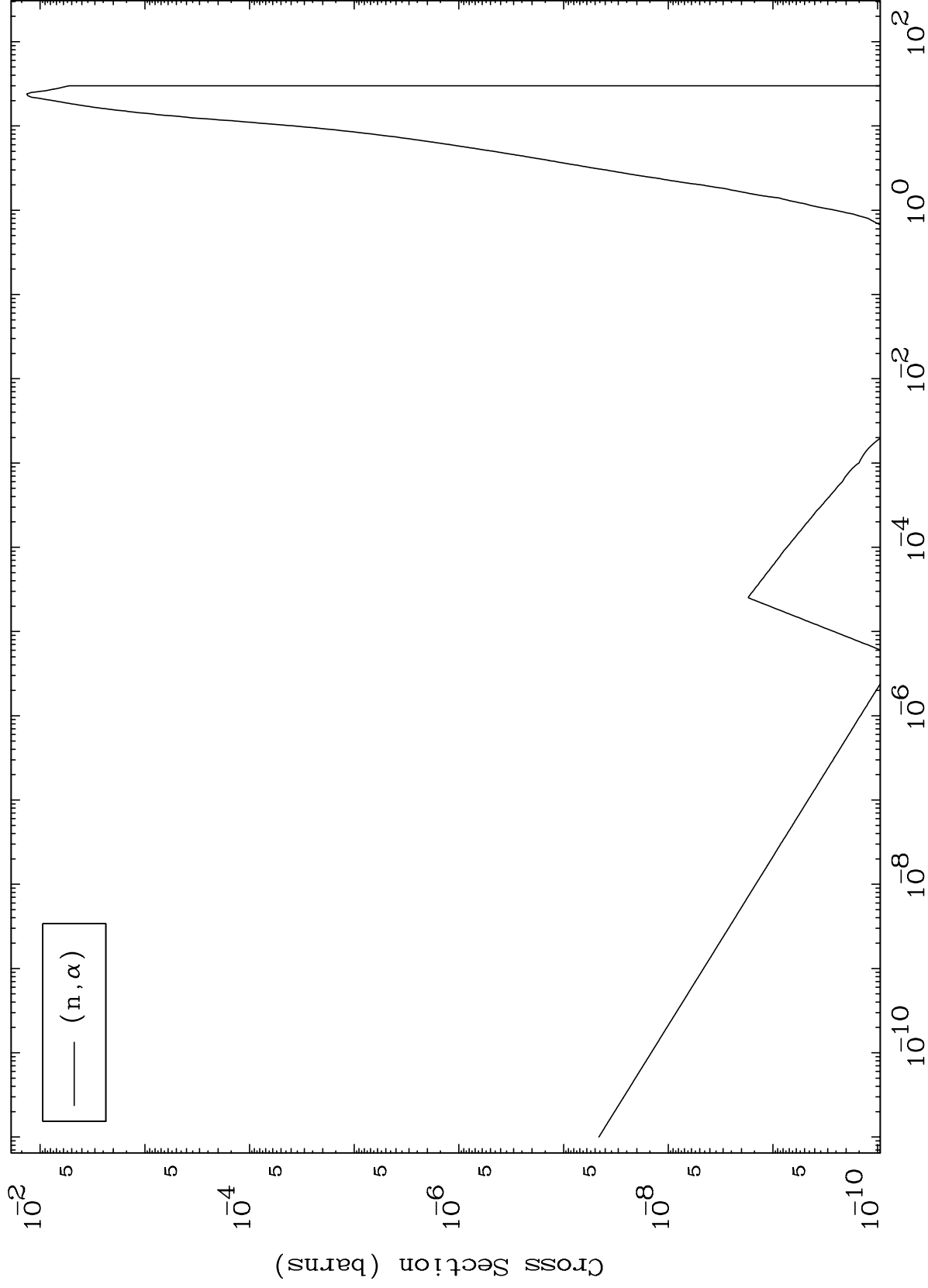
Incident Energy (MeV)

81-T1-199

MAT 81113

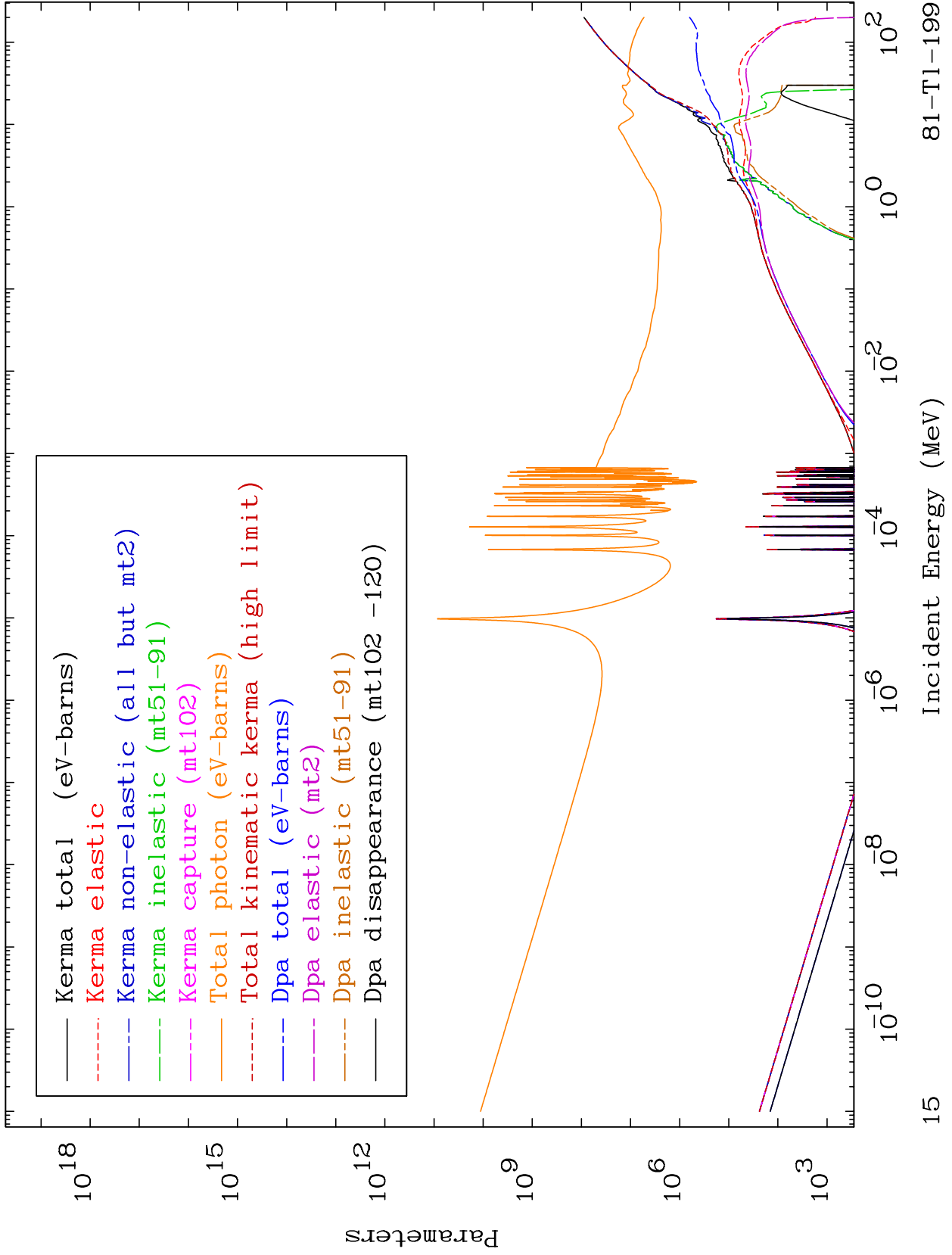
(n, α) Levels
293 Kelvin Cross Sections

81-Tl-199



81-Tl-199

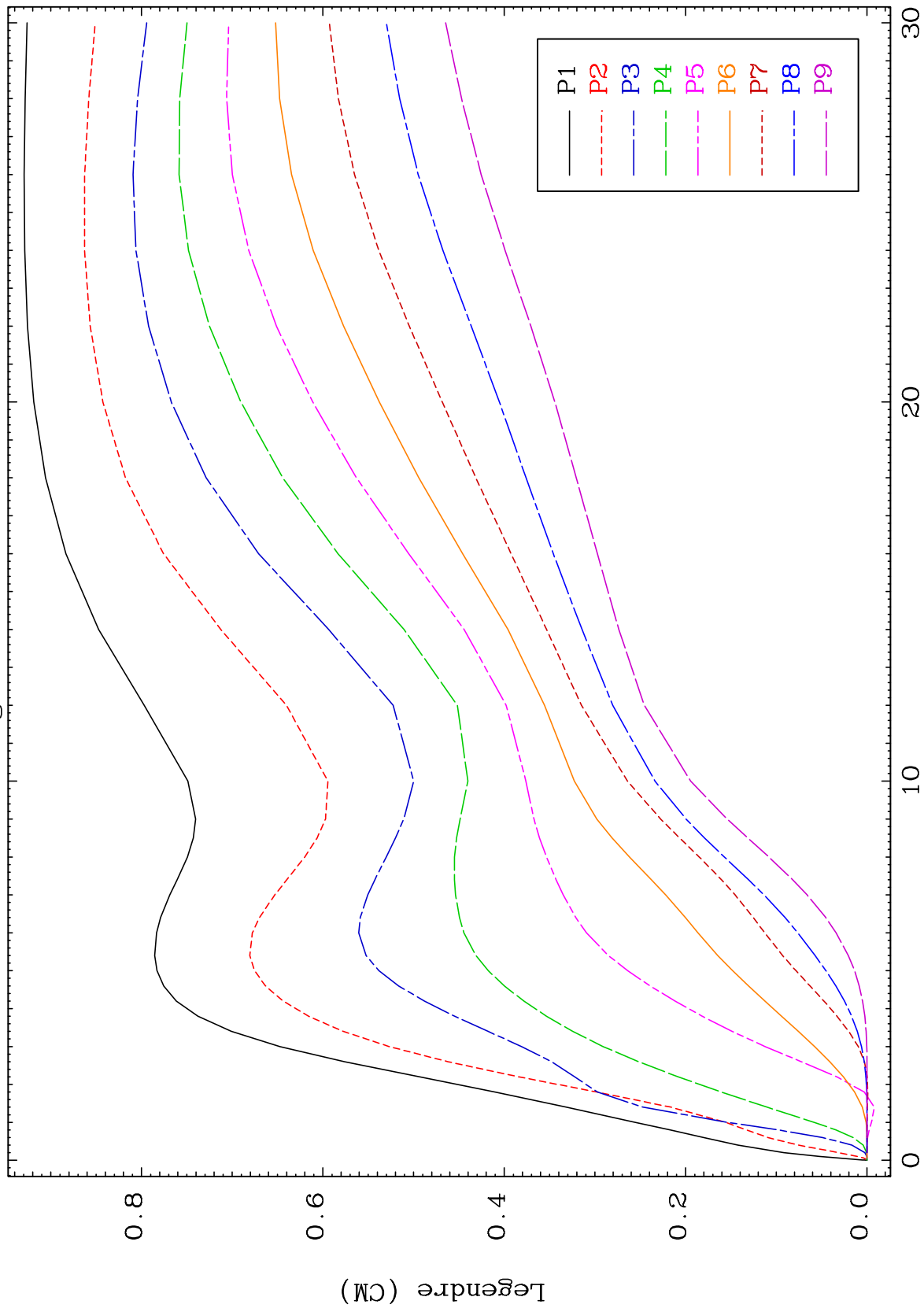
Incident Energy (MeV)



MAT 81113

Elastic Legendre Coefficients

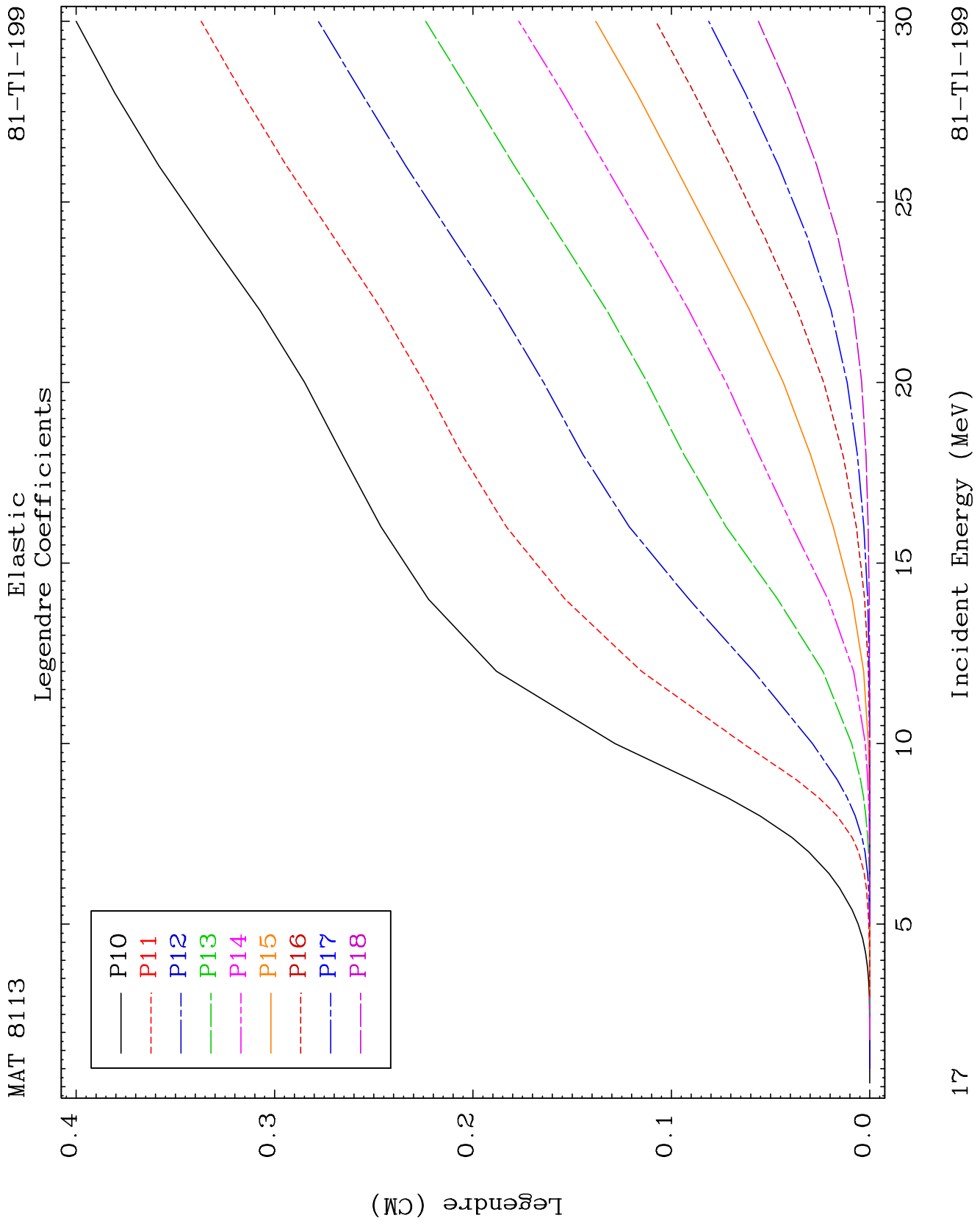
81-T1-199



16

Incident Energy (MeV)

81-T1-199



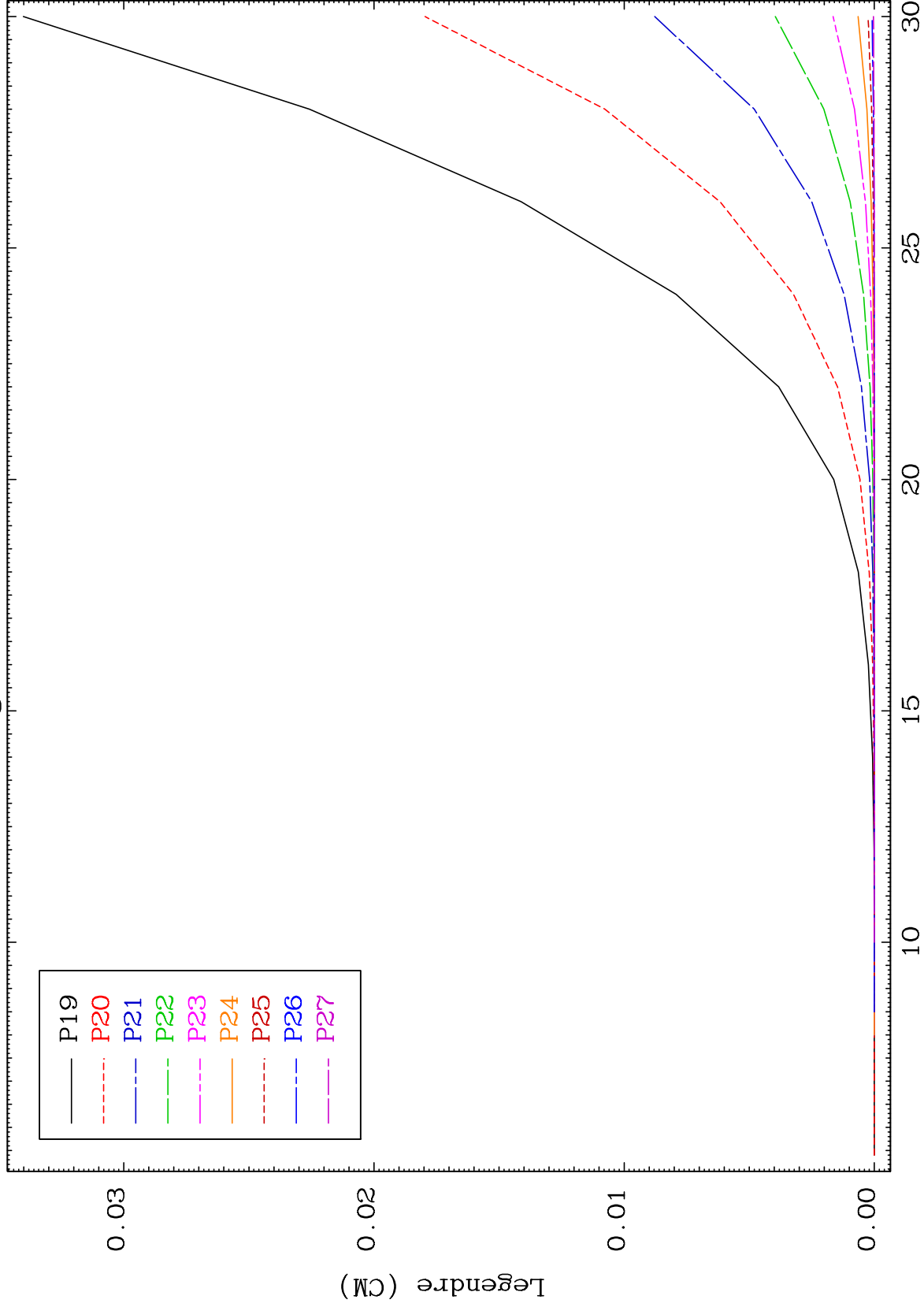
81-T1-199

81-T1-199

MAT 8113

Elastic Legendre Coefficients

81-T1-199



18

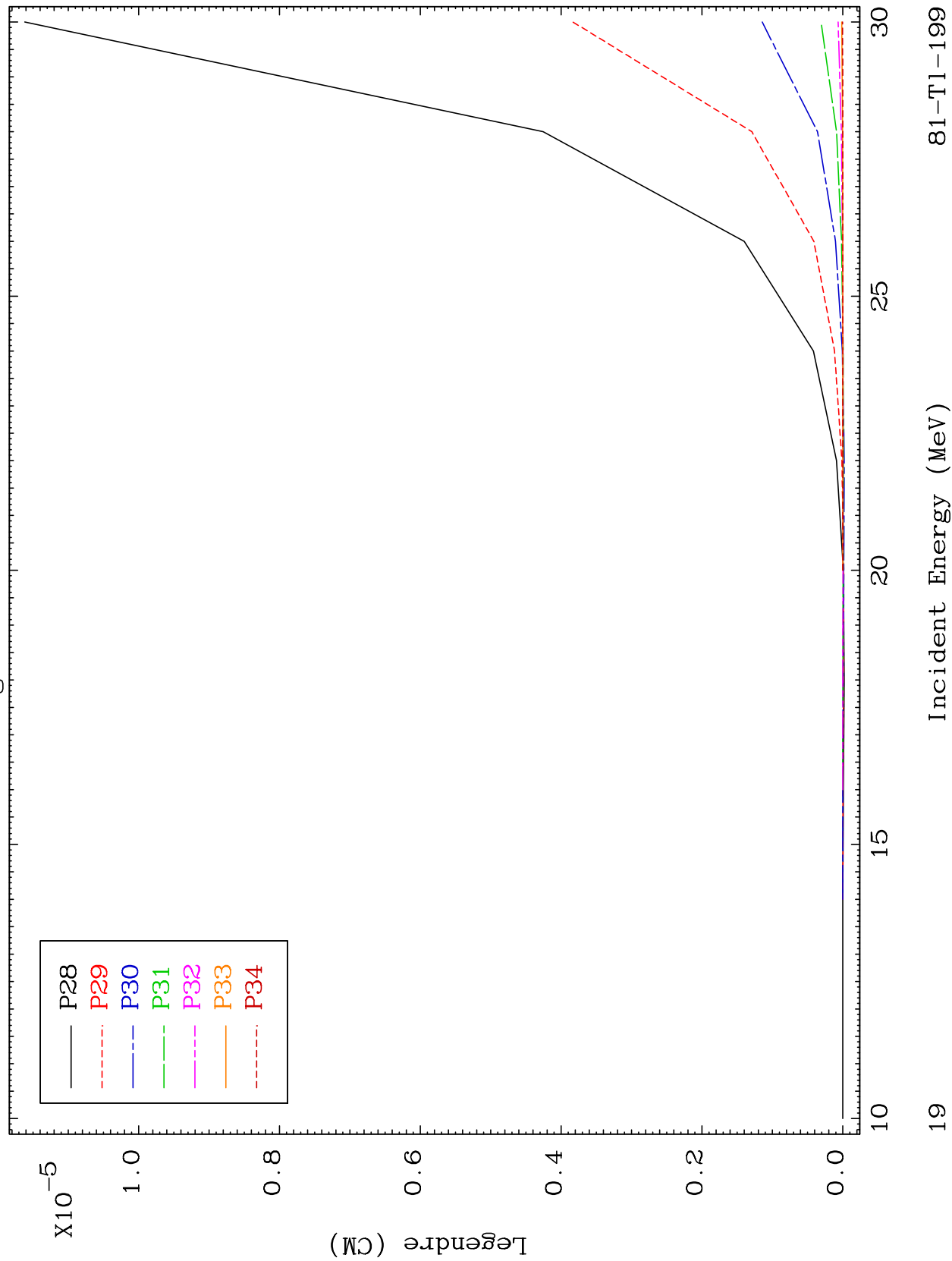
Incident Energy (MeV)

81-T1-199

MAT 8113

Elastic Legendre Coefficients

81-T1-199



19

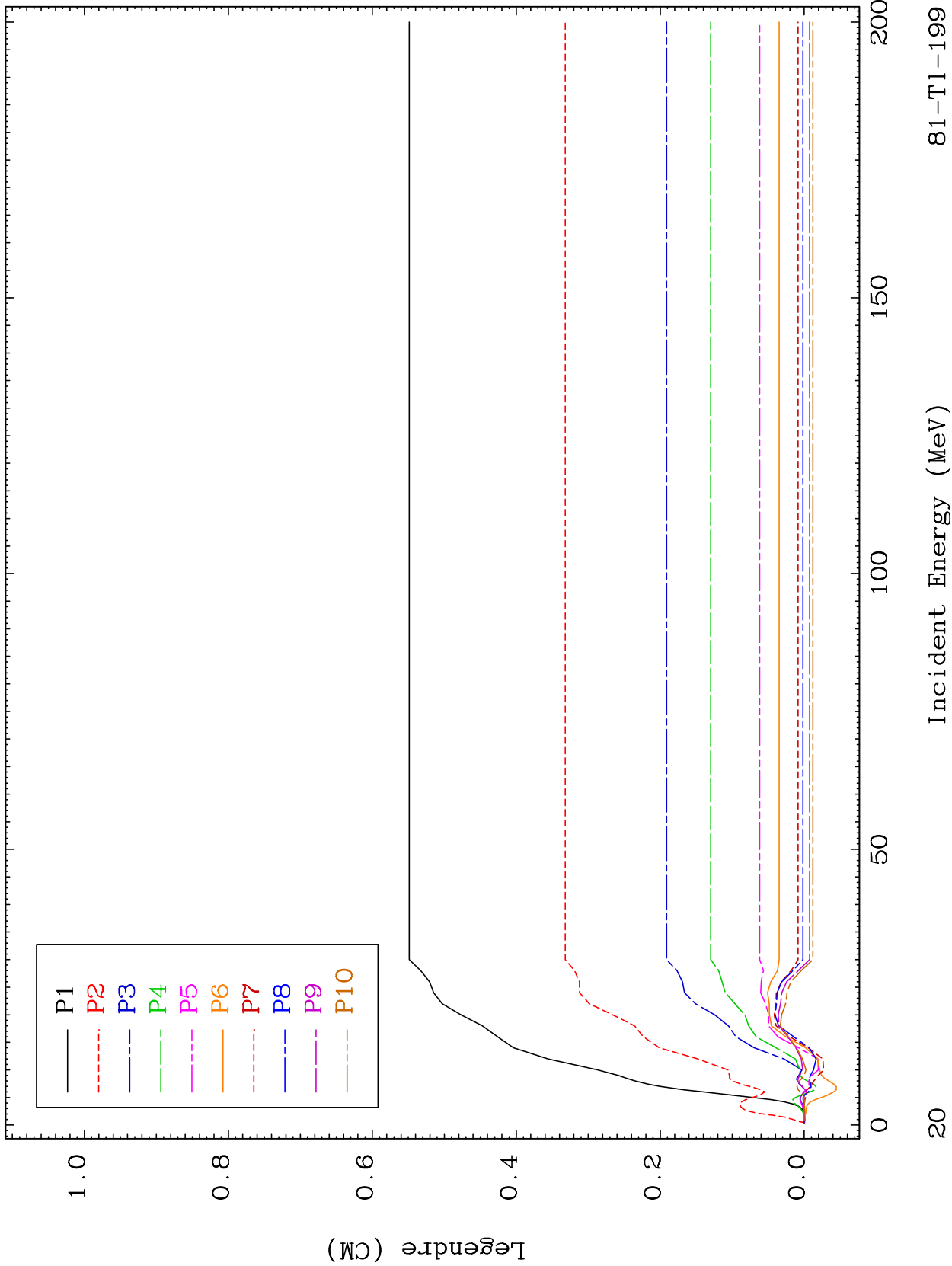
Incident Energy (MeV)

81-T1-199

MAT 8113

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

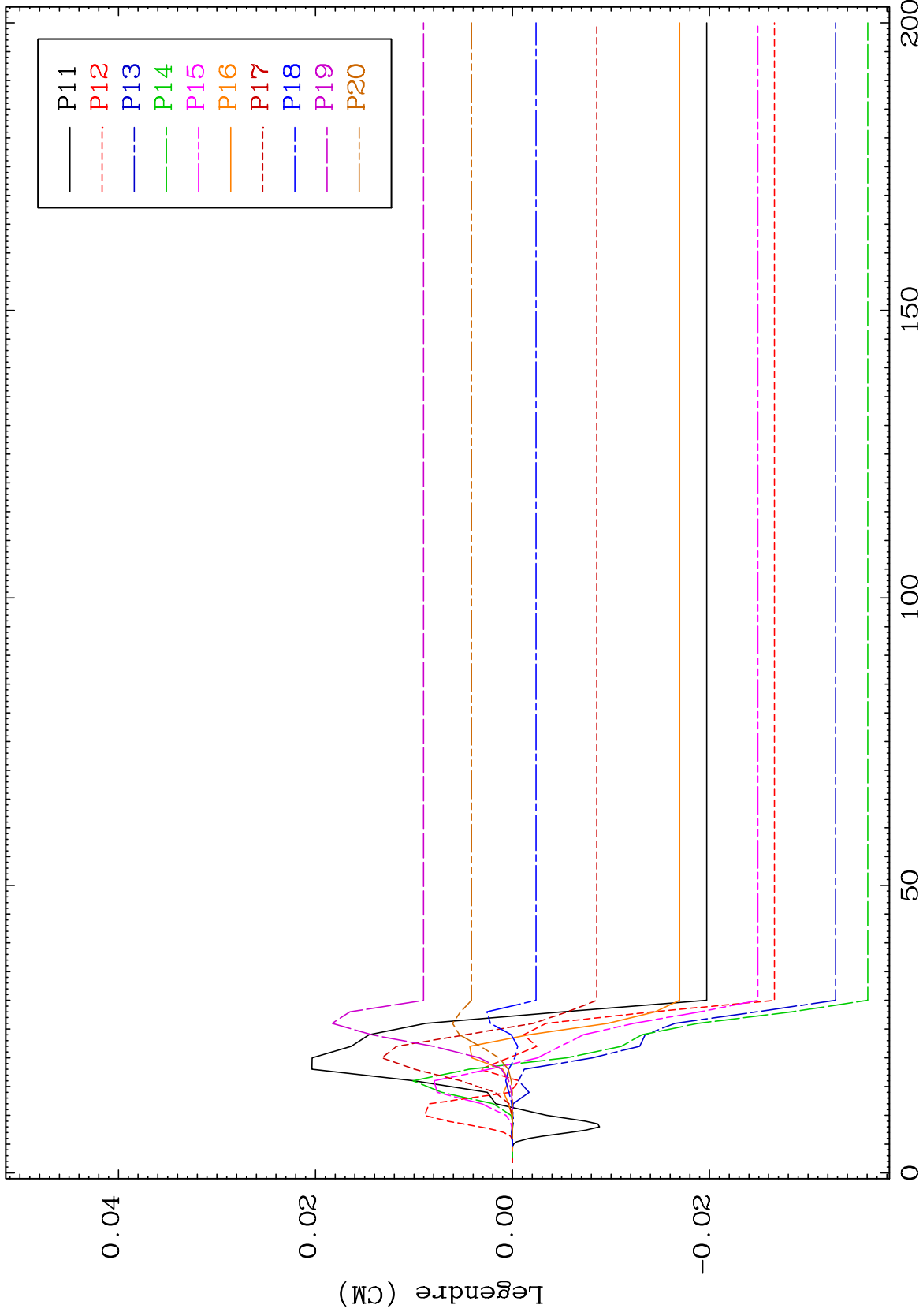
81-T1-199



MAT 81113

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

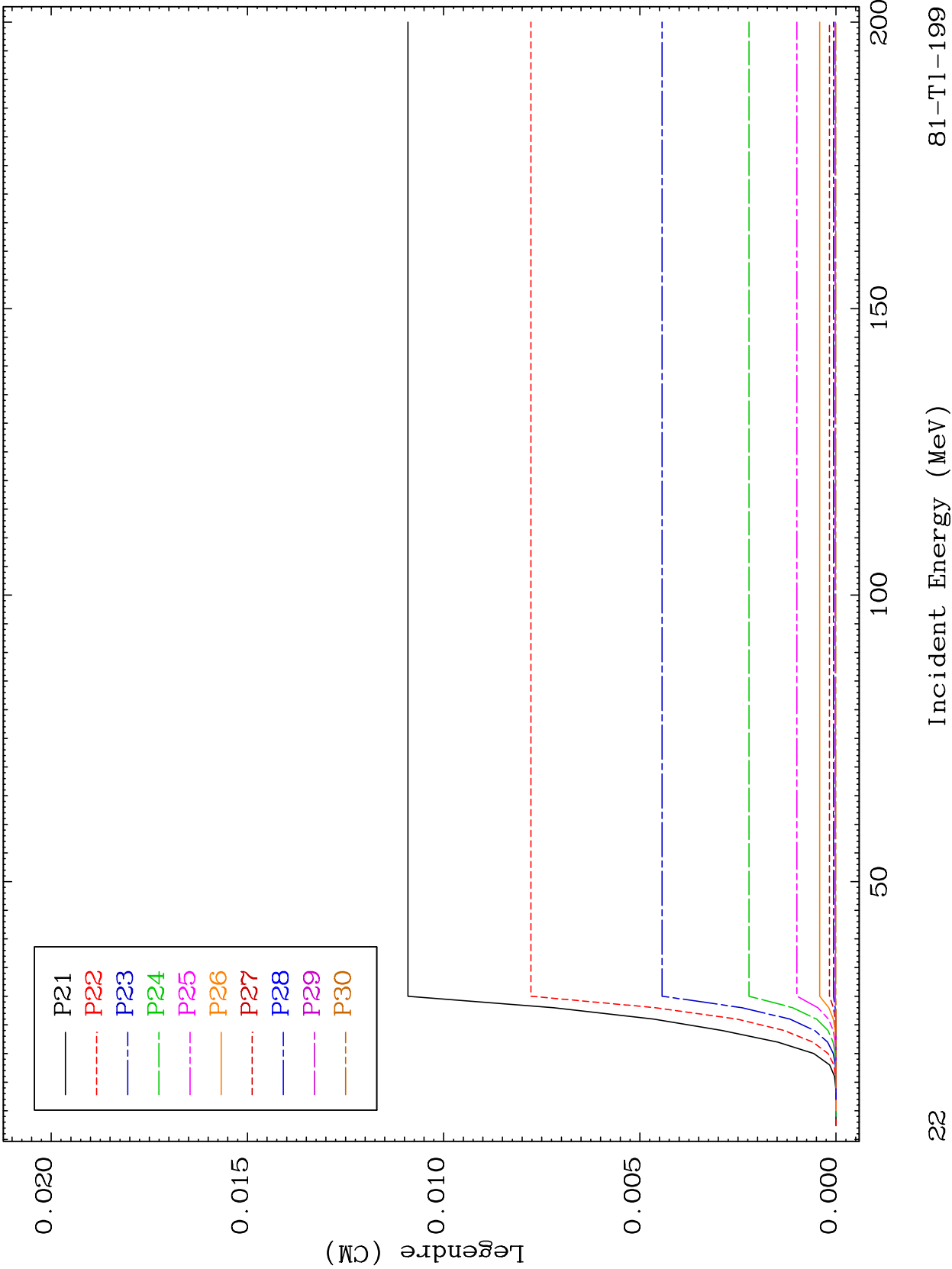
81-T1-199

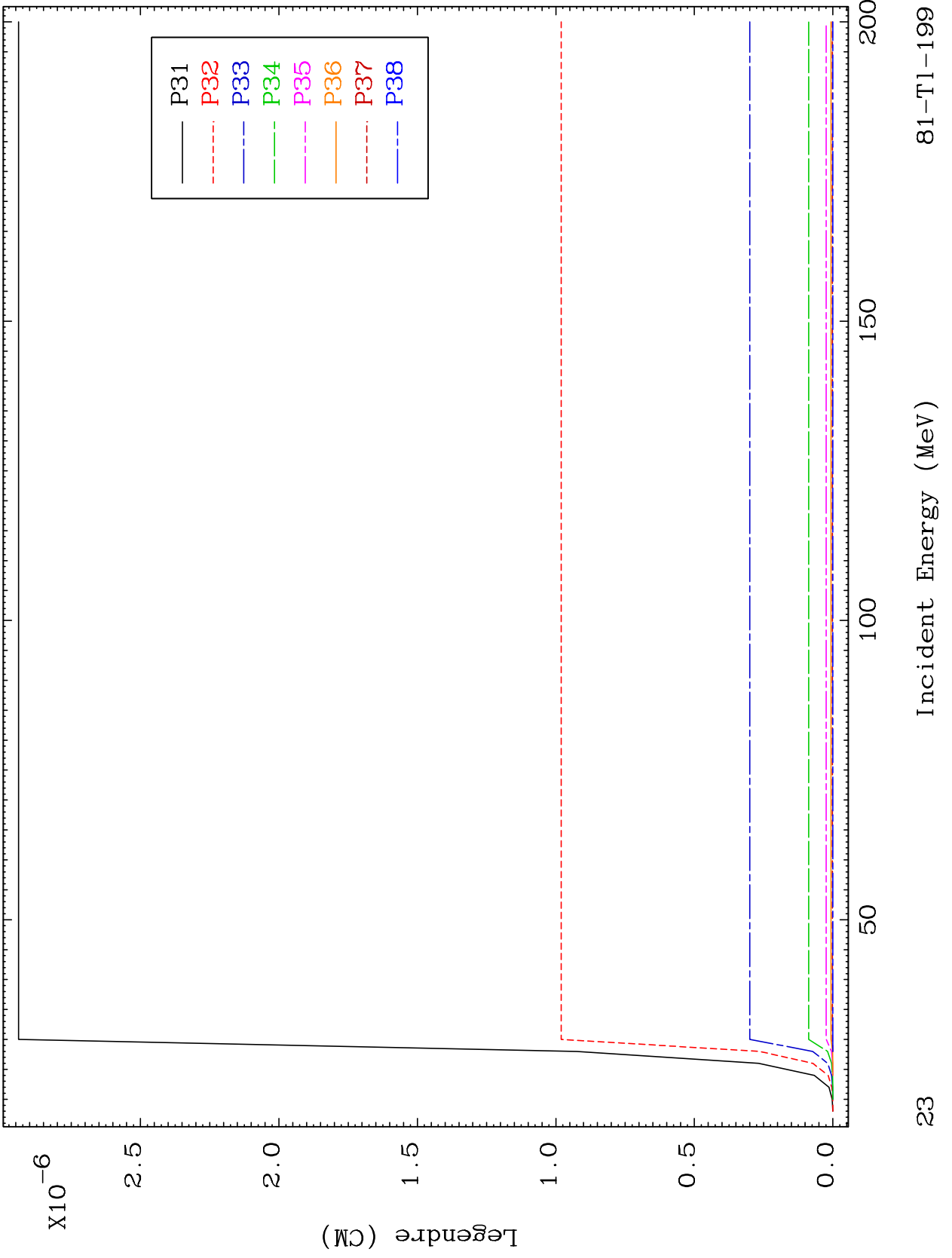


21

Incident Energy (MeV)

81-T1-199

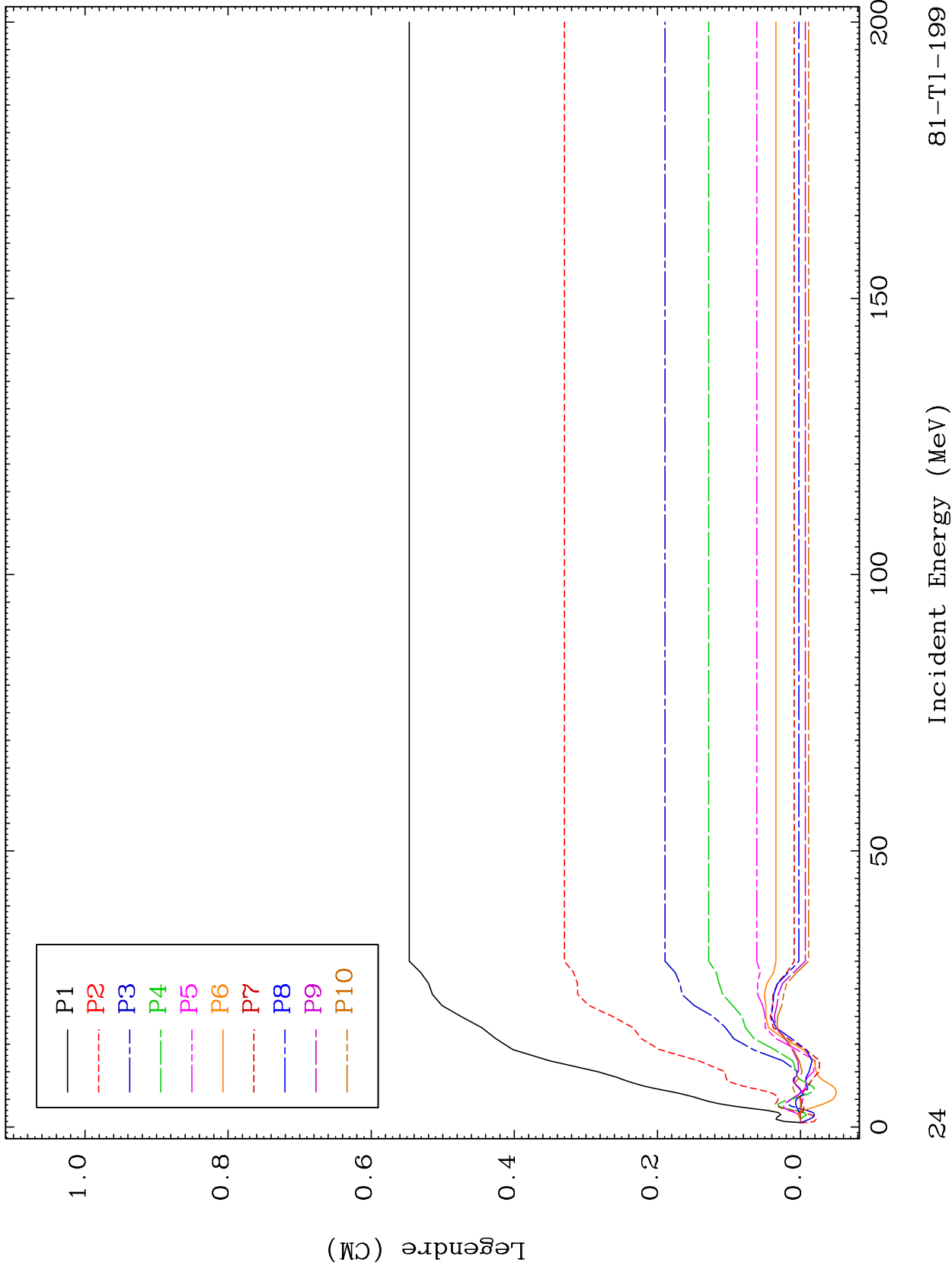




MAT 8113

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

81-T1-199



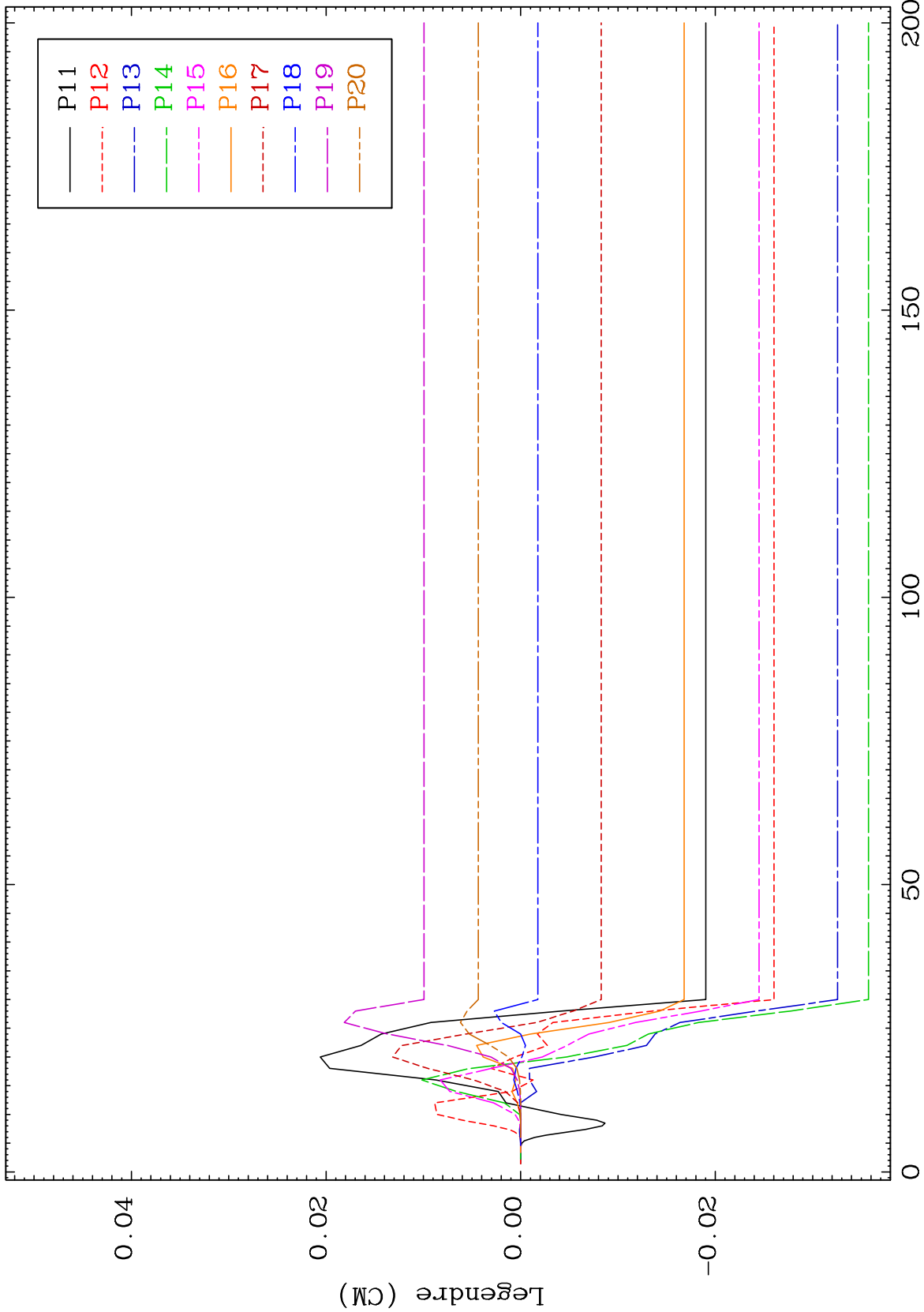
24

81-T1-199

MAT 81113

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

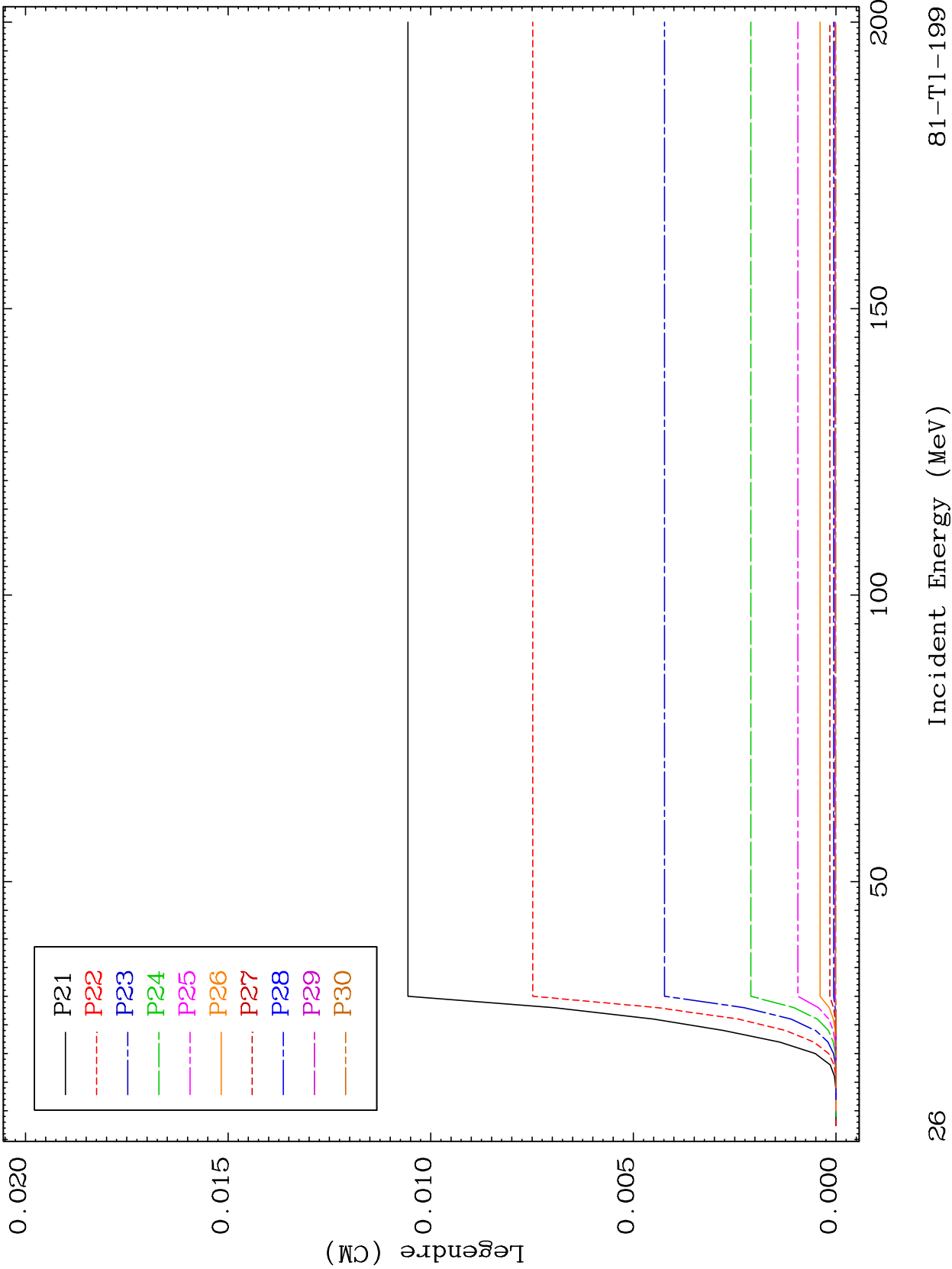
81-T1-199



25

Incident Energy (MeV)

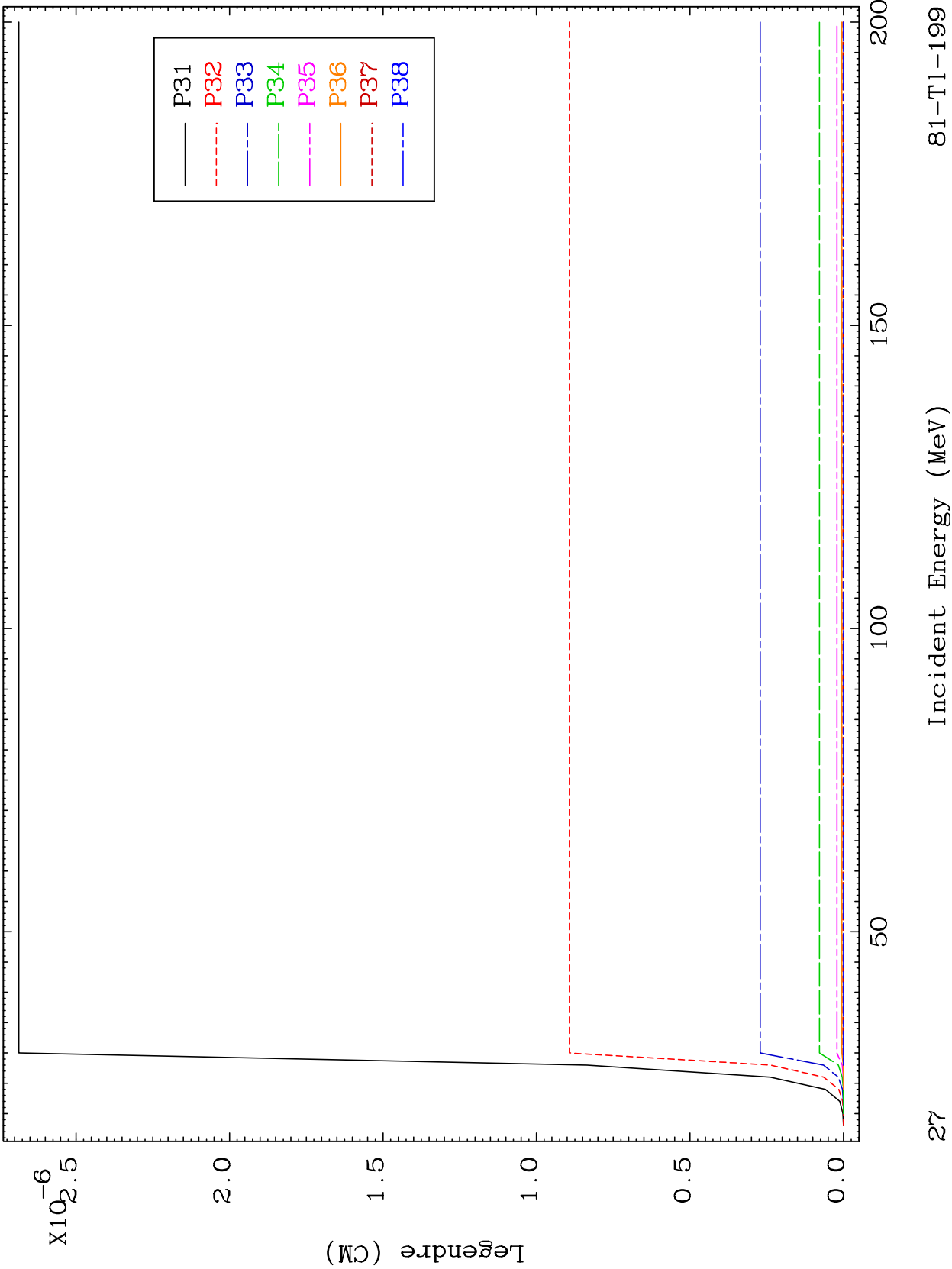
81-T1-199



MAT 8113

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

81-Tl-199



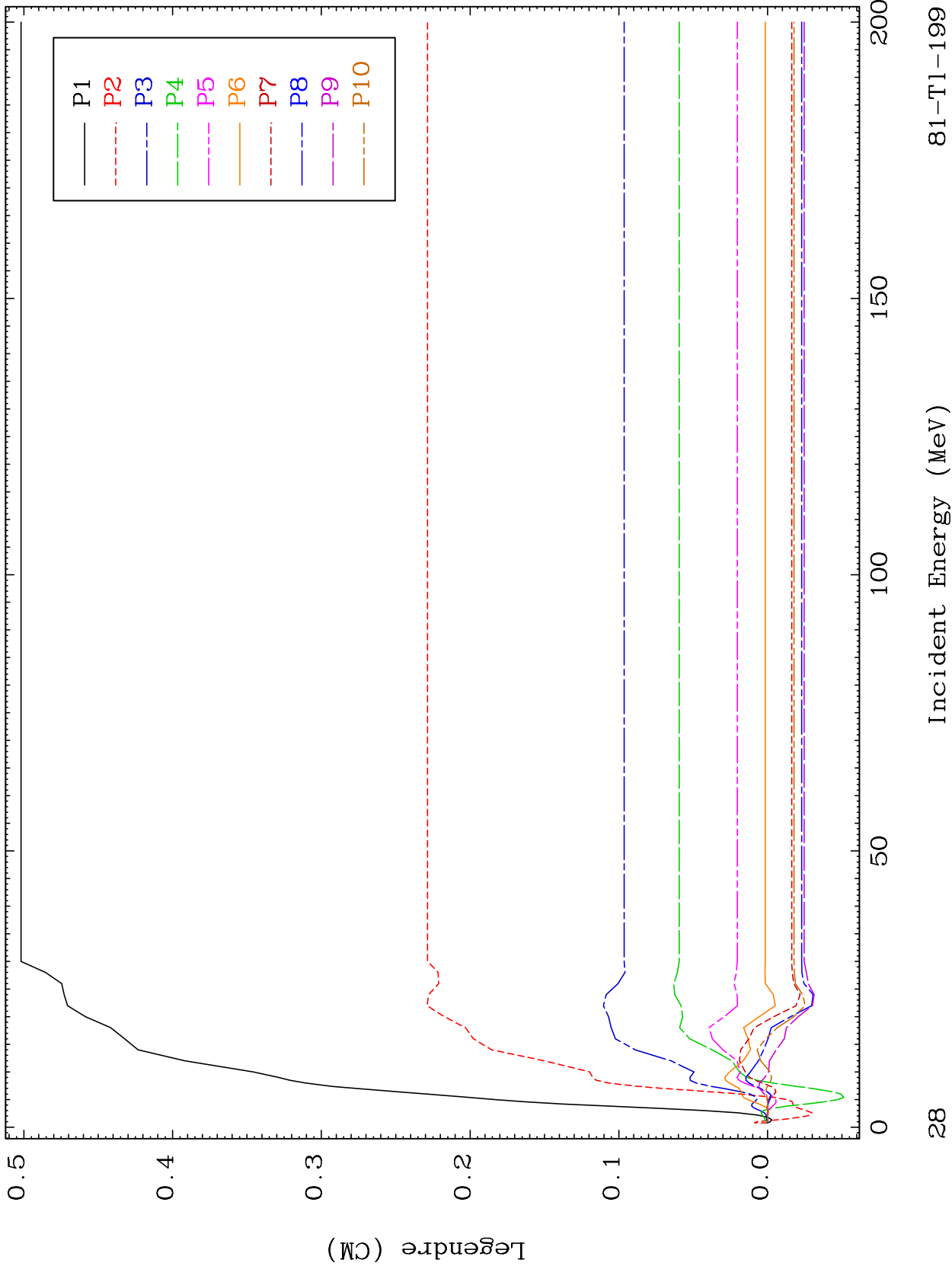
27

81-Tl-199

MAT 81113

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

81-T1-199



81-T1-199

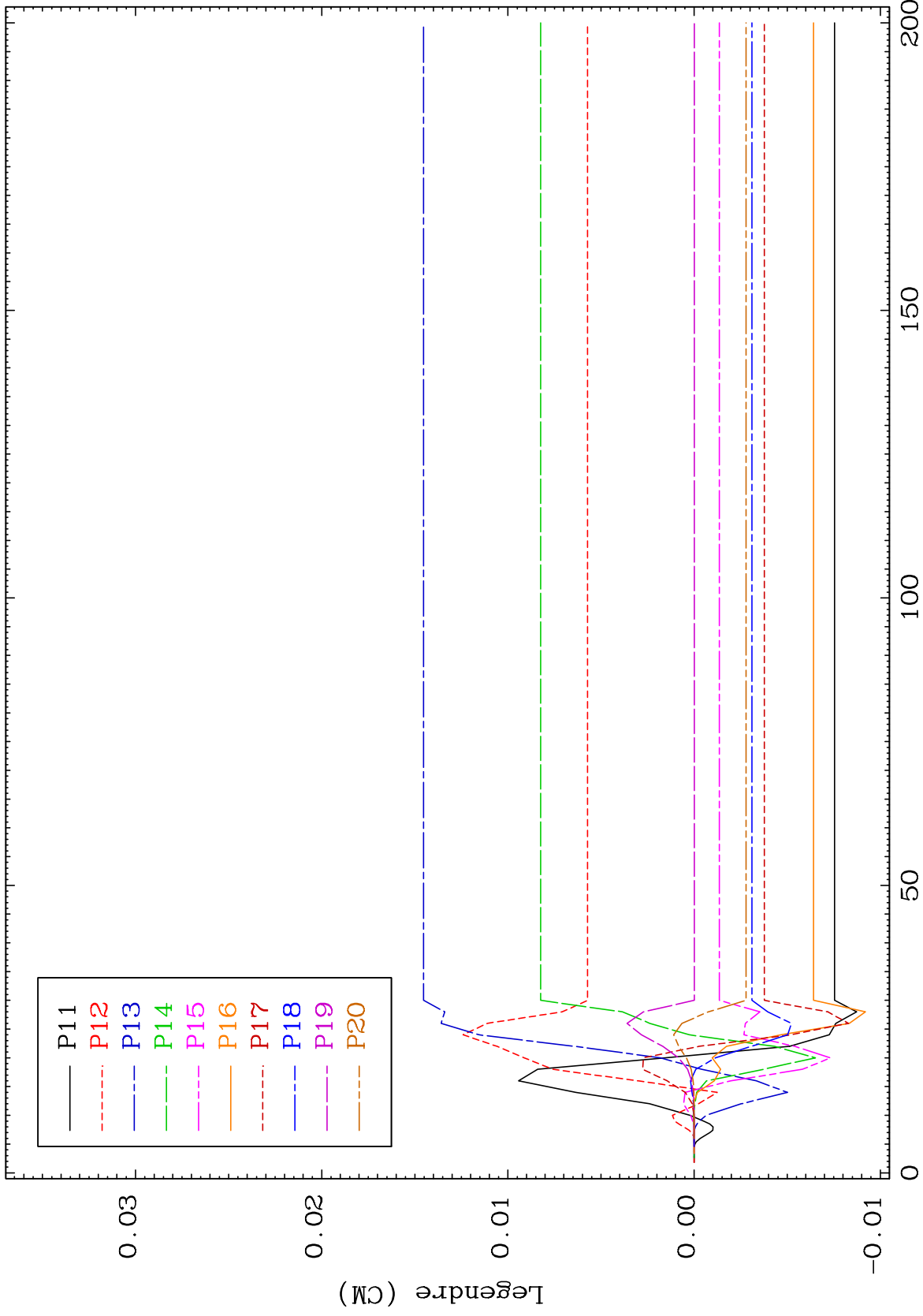
Incident Energy (MeV)

28

MAT 8113

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

81-T1-199



29

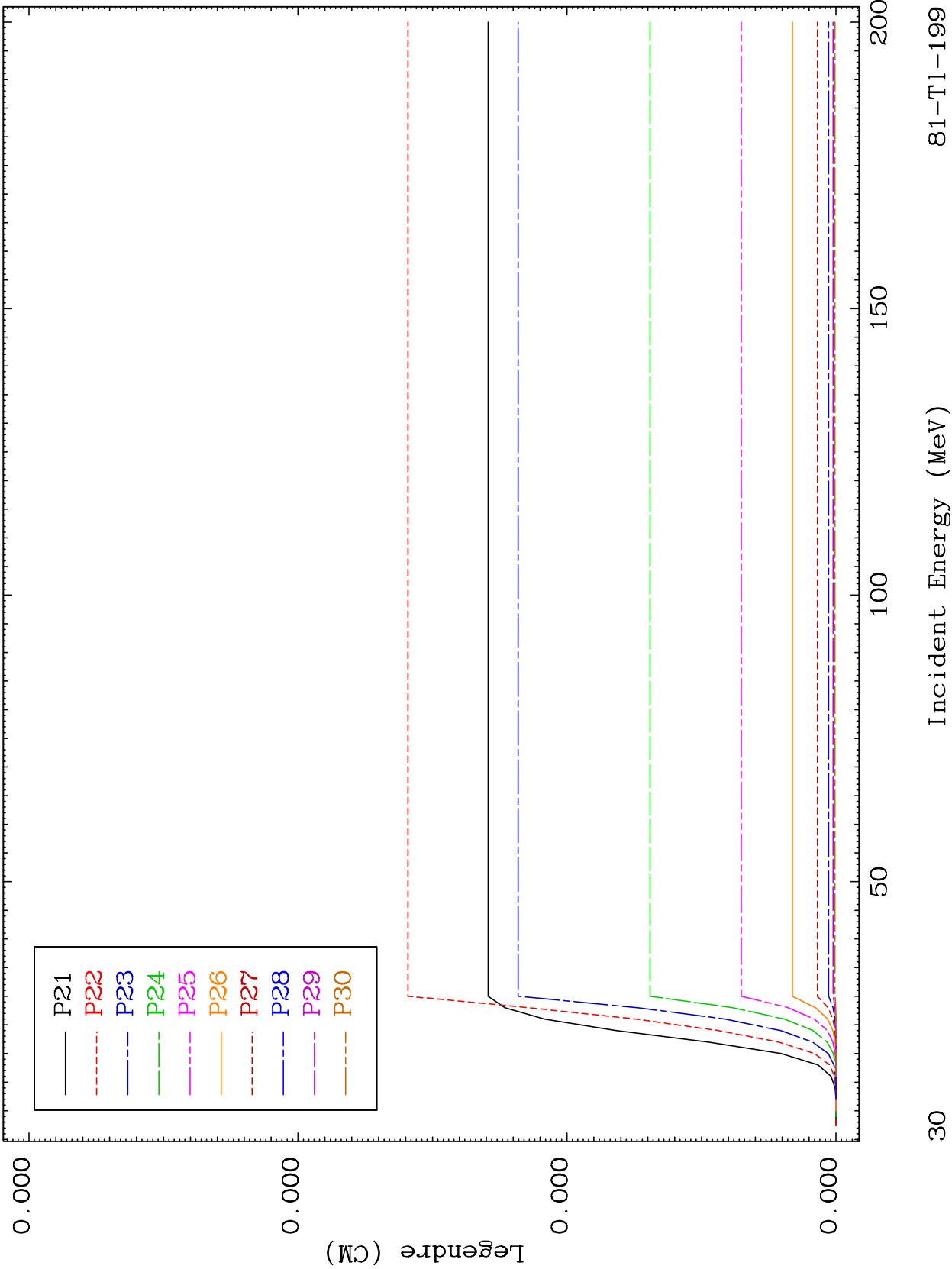
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



81-T1-199

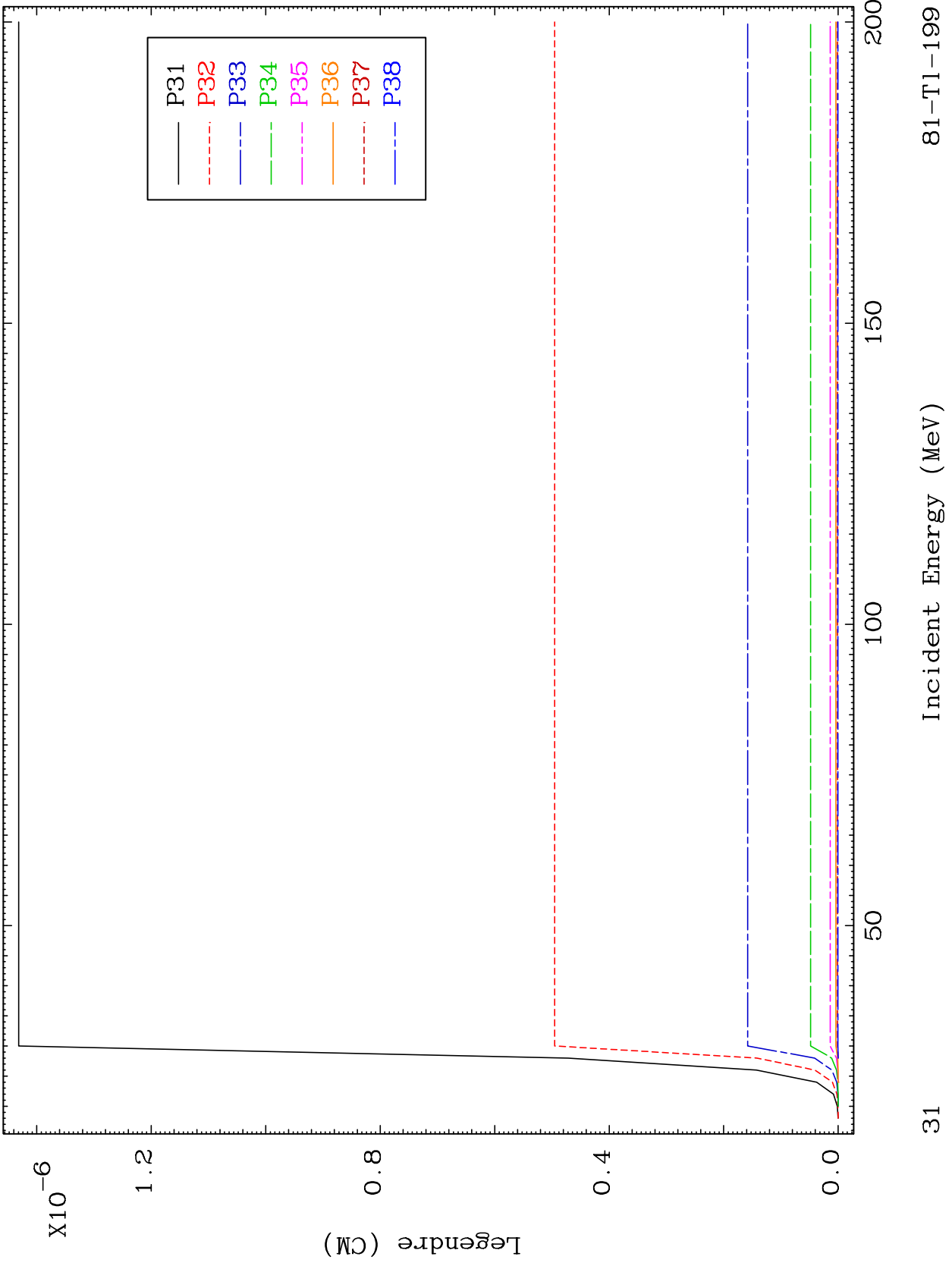
Incident Energy (MeV)

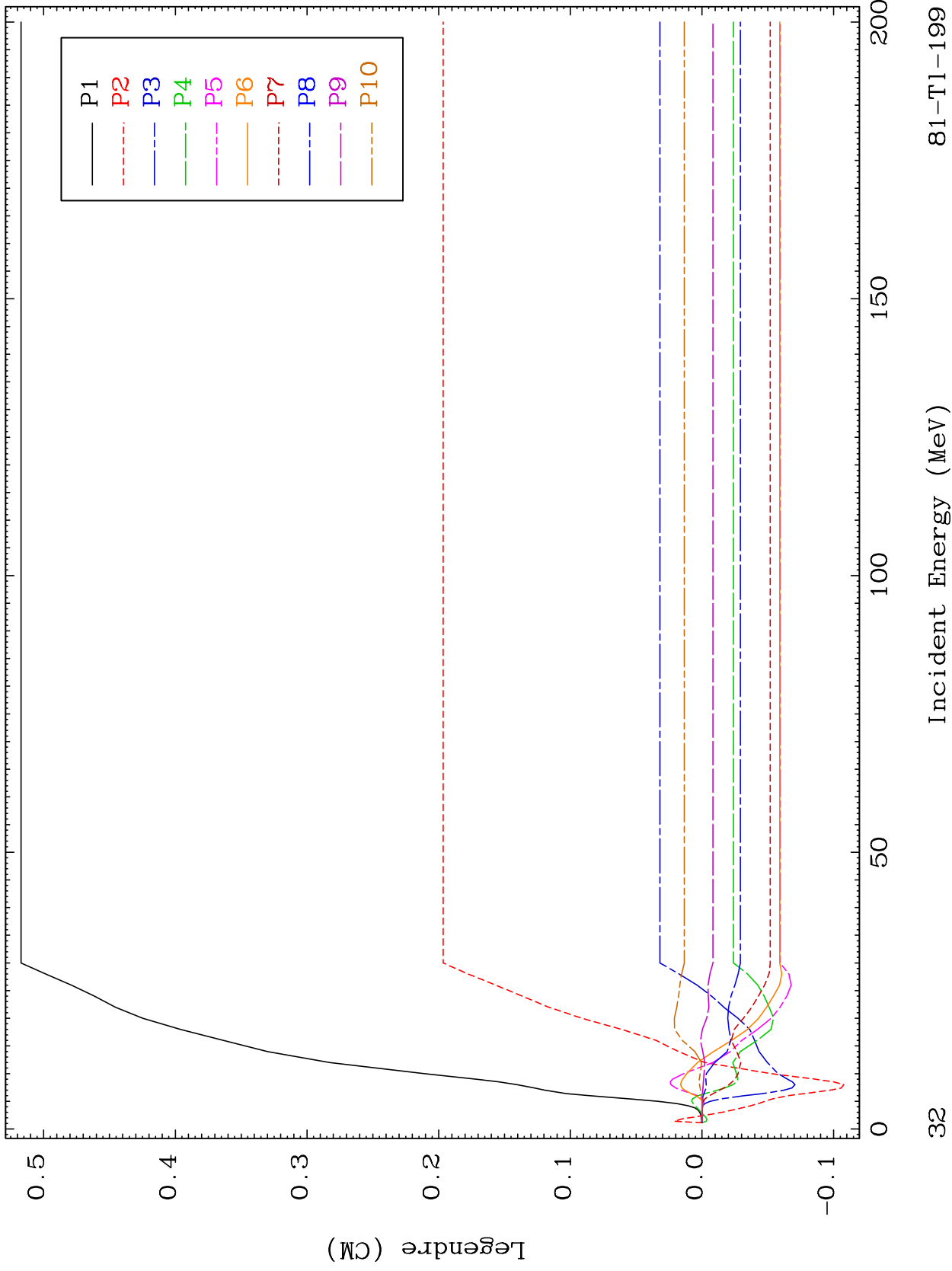
30

MAT 81113

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

81-T1-199

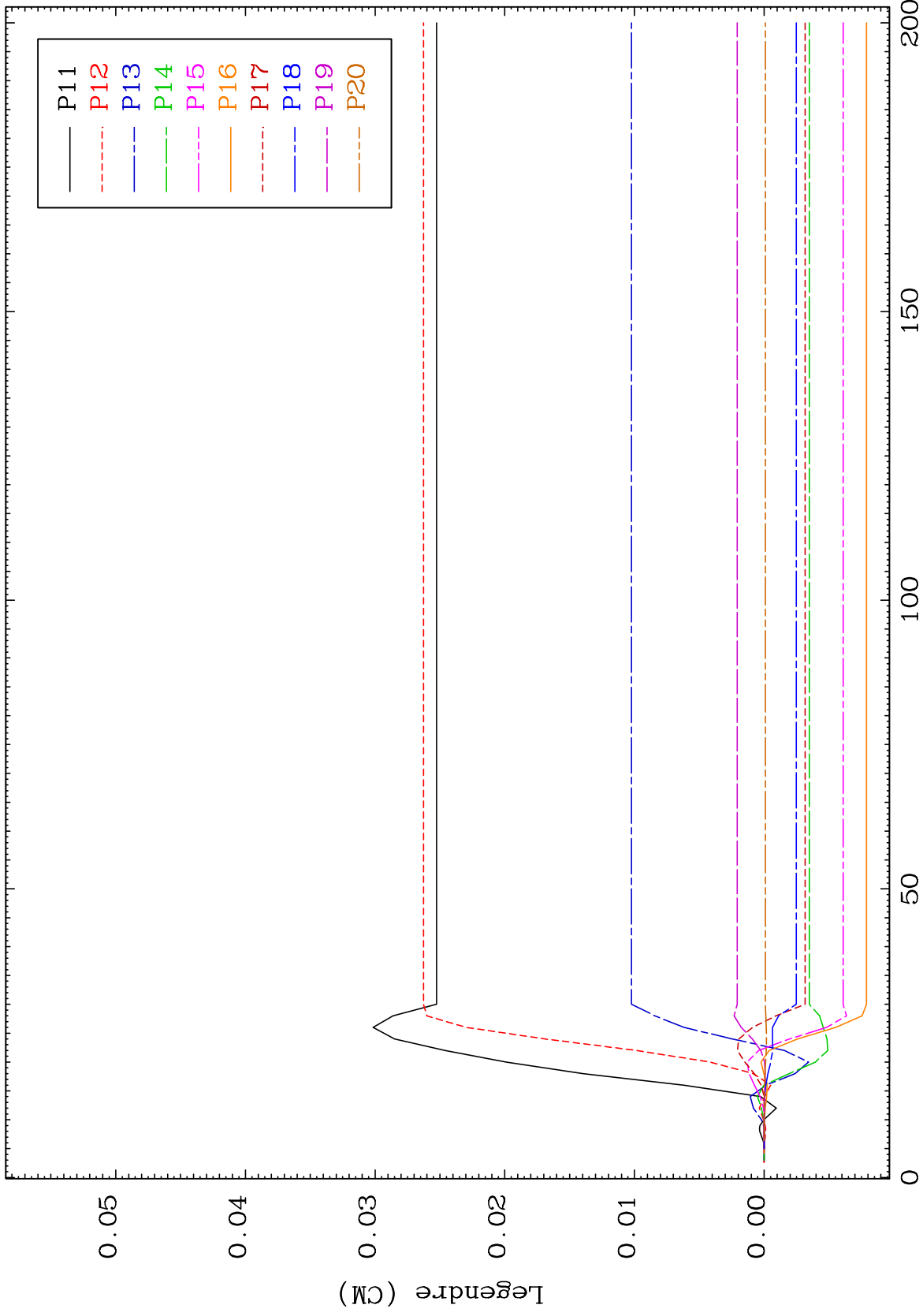




MAT 81113

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

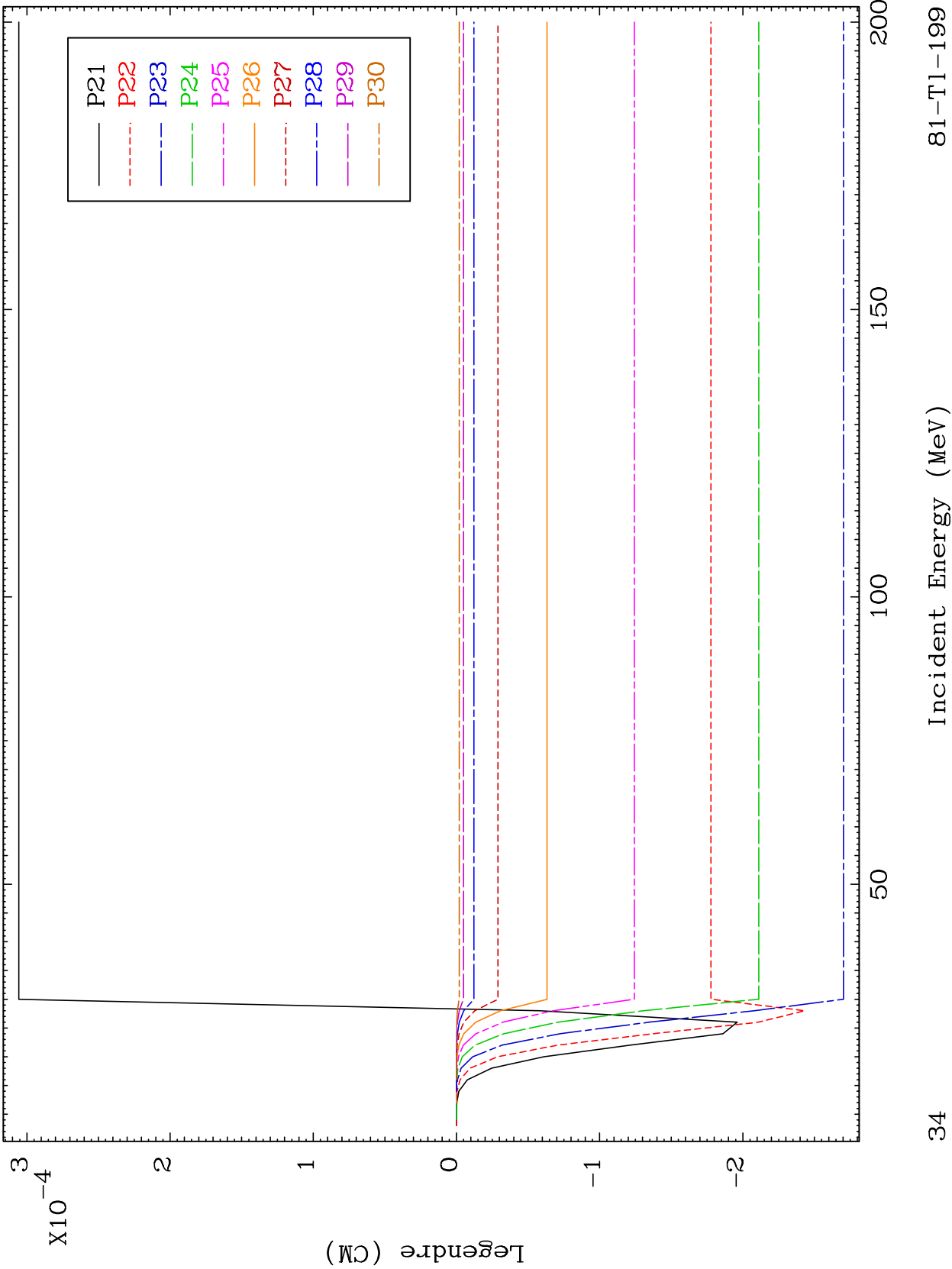
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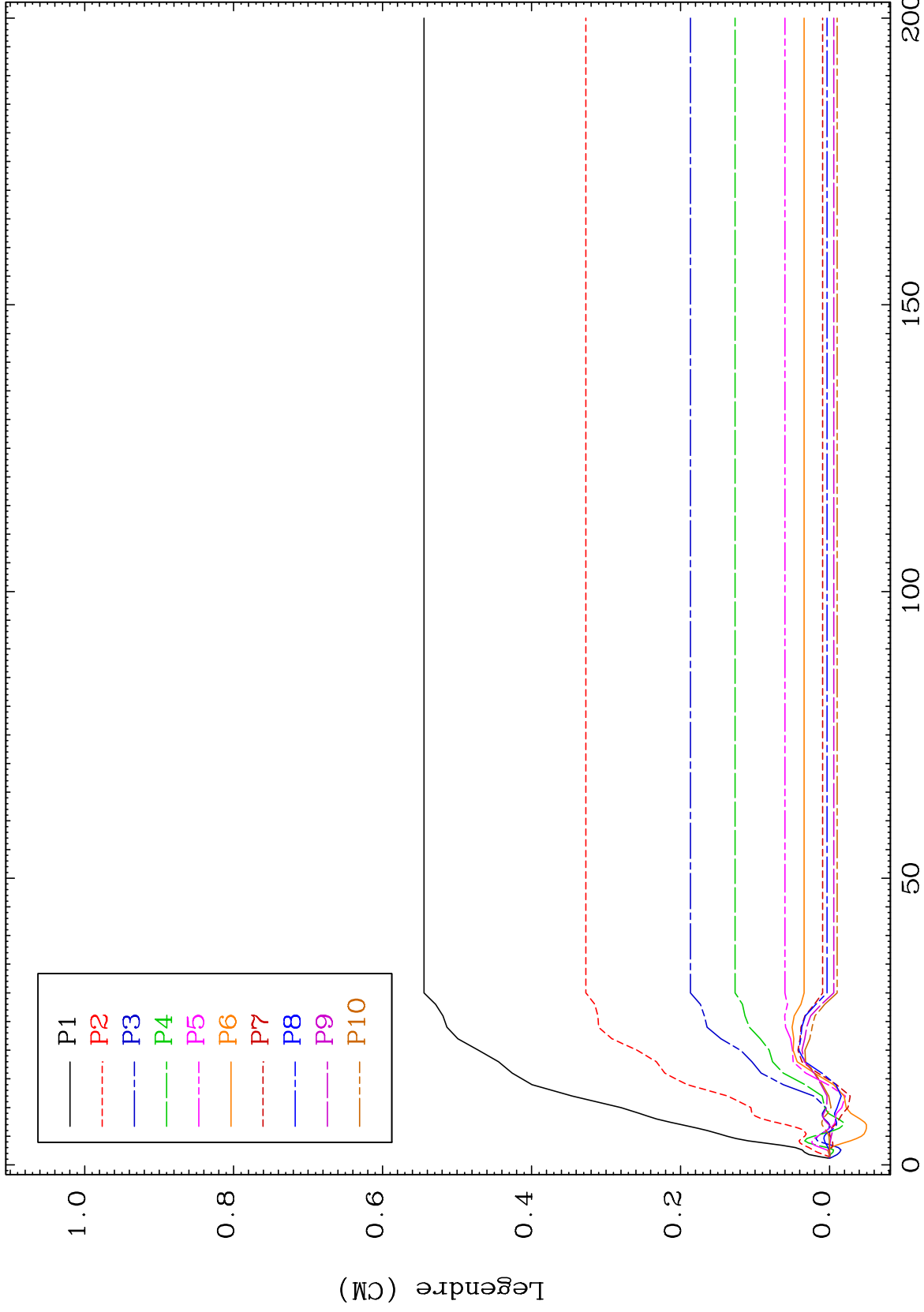


33

Incident Energy (MeV)

81-T1-199

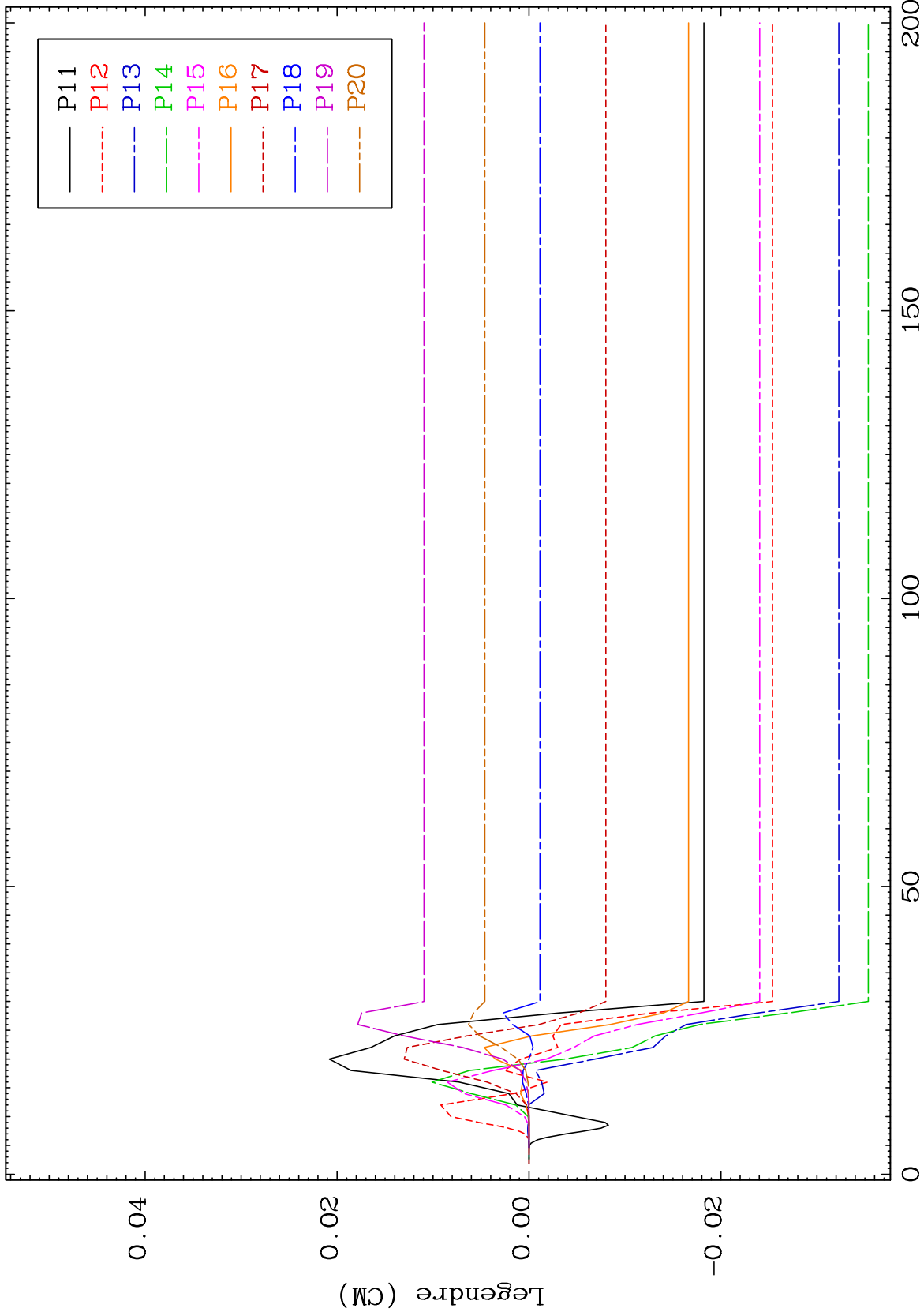




MAT 81113

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

81-T1-199



37

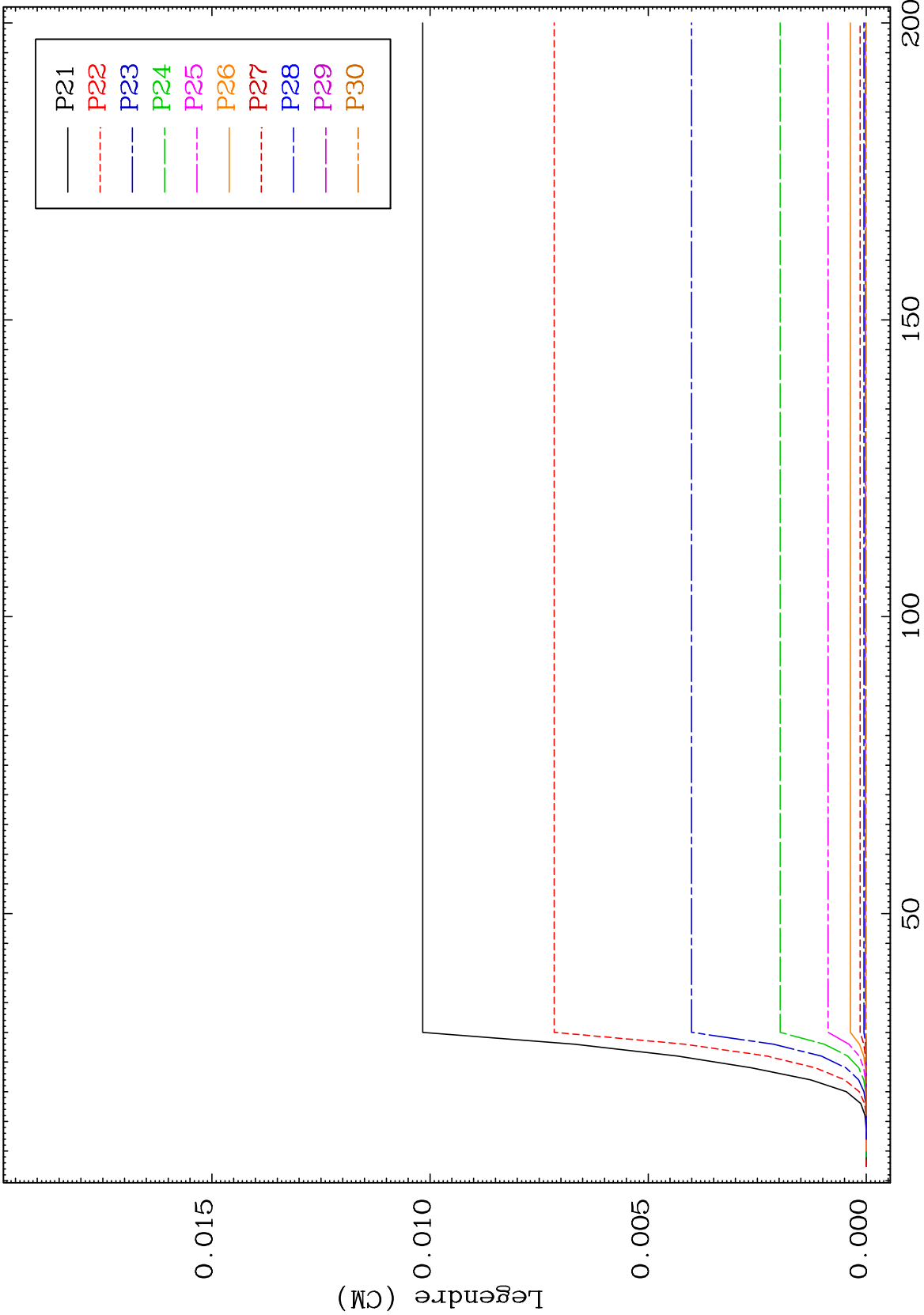
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-T1-199



38

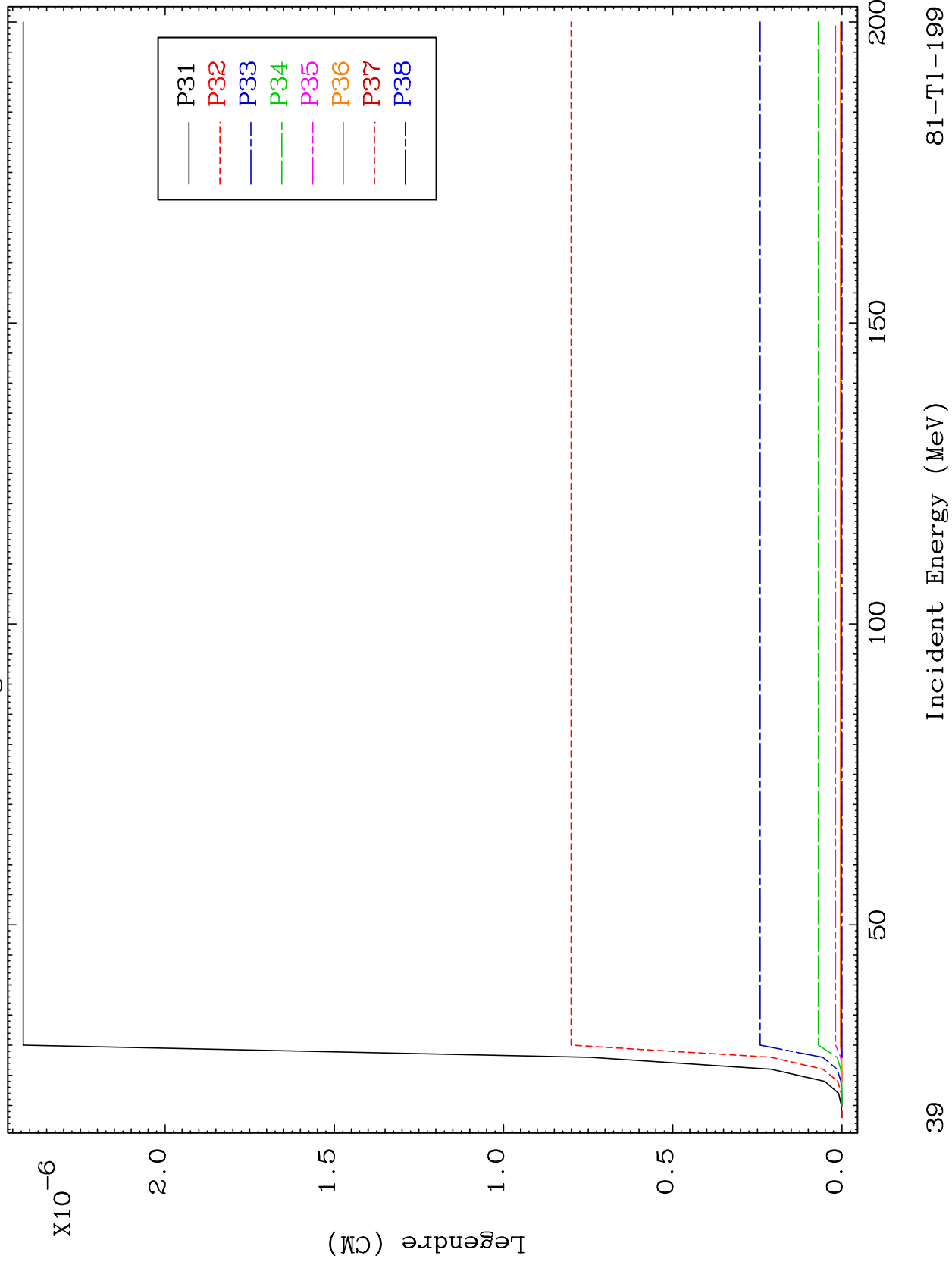
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



39

Incident Energy (MeV)

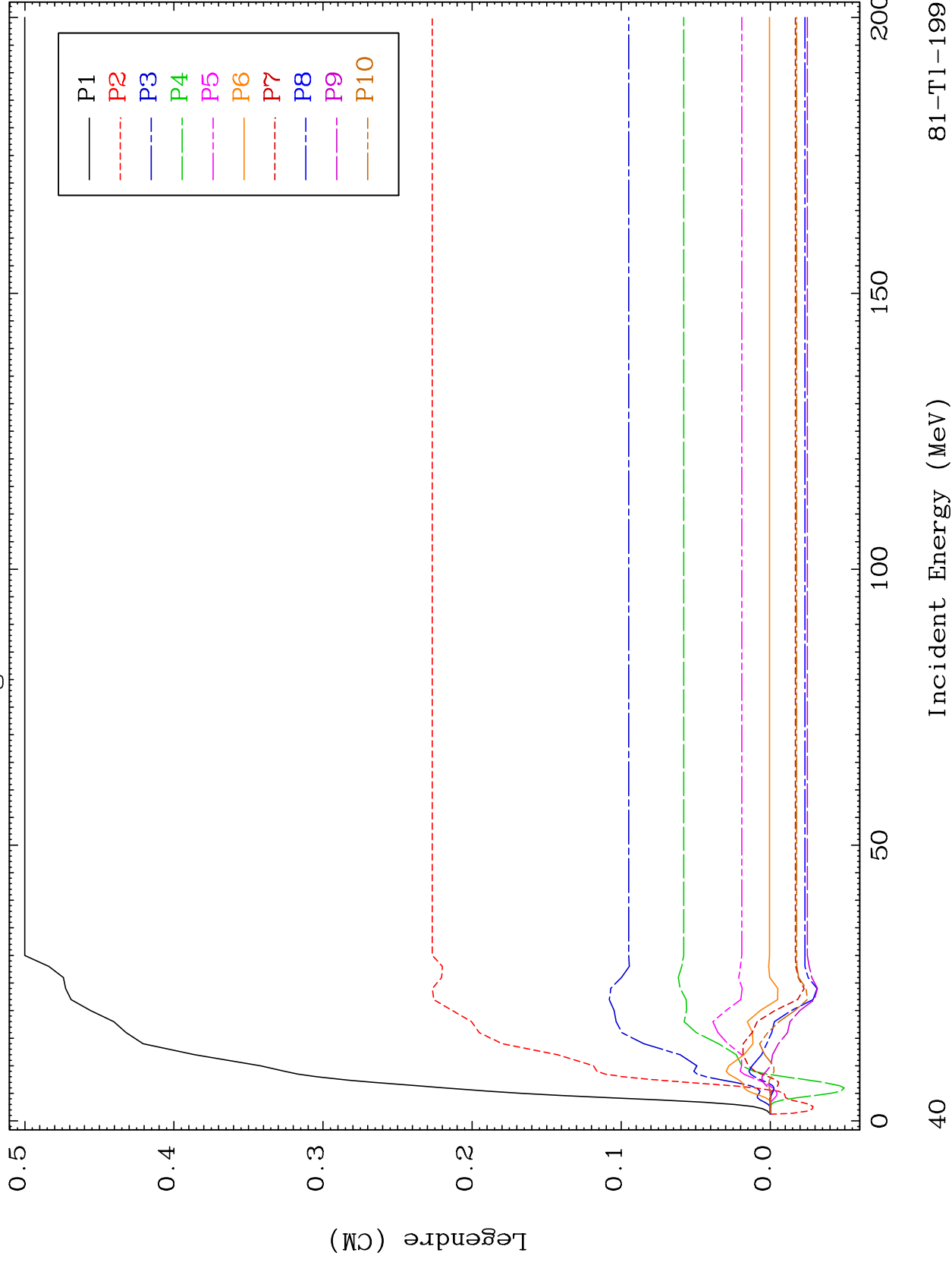
81-T1-199

MAT 81113

MT= 56 (n,n') Level

81-T1-199

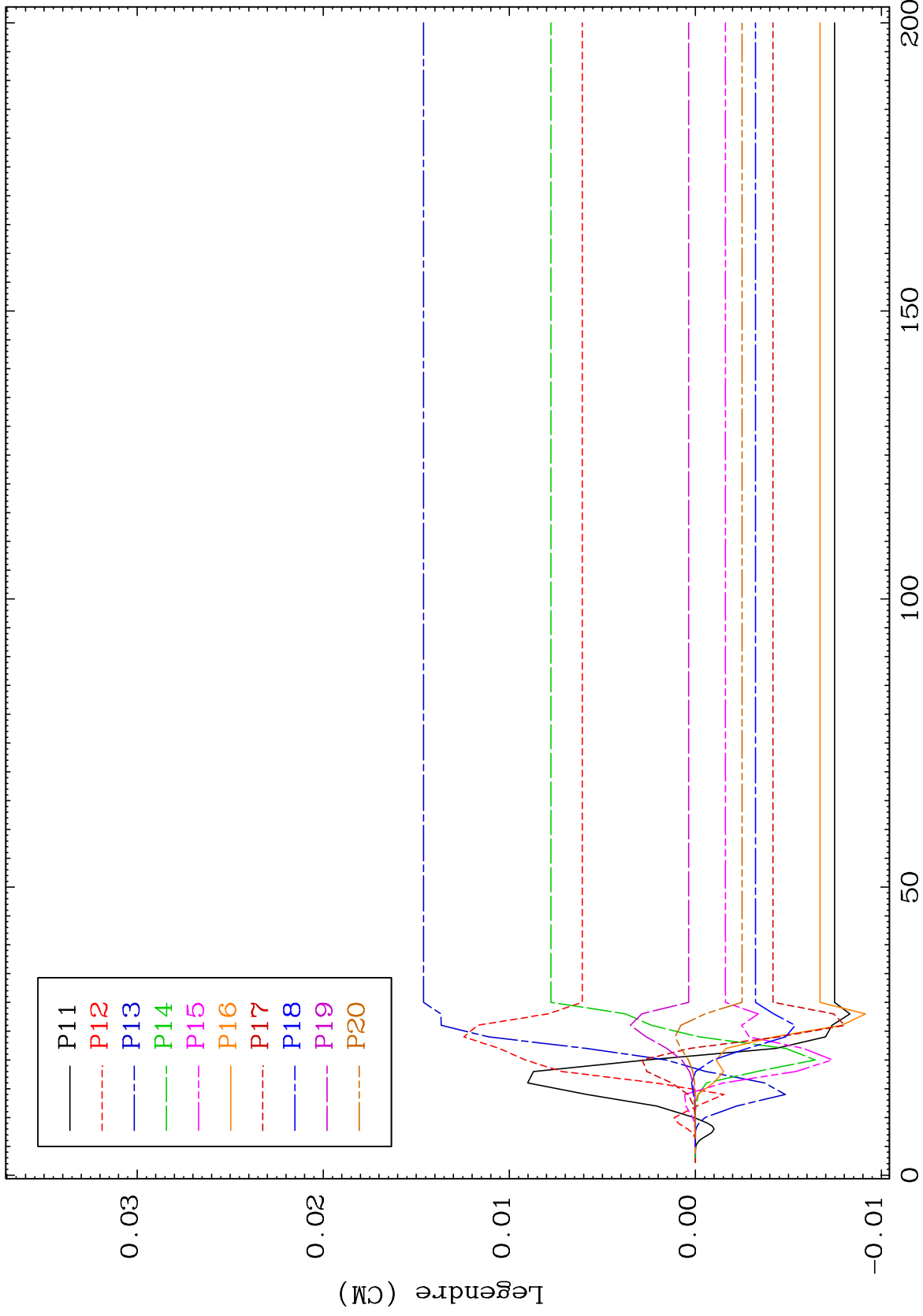
Legendre Coefficients

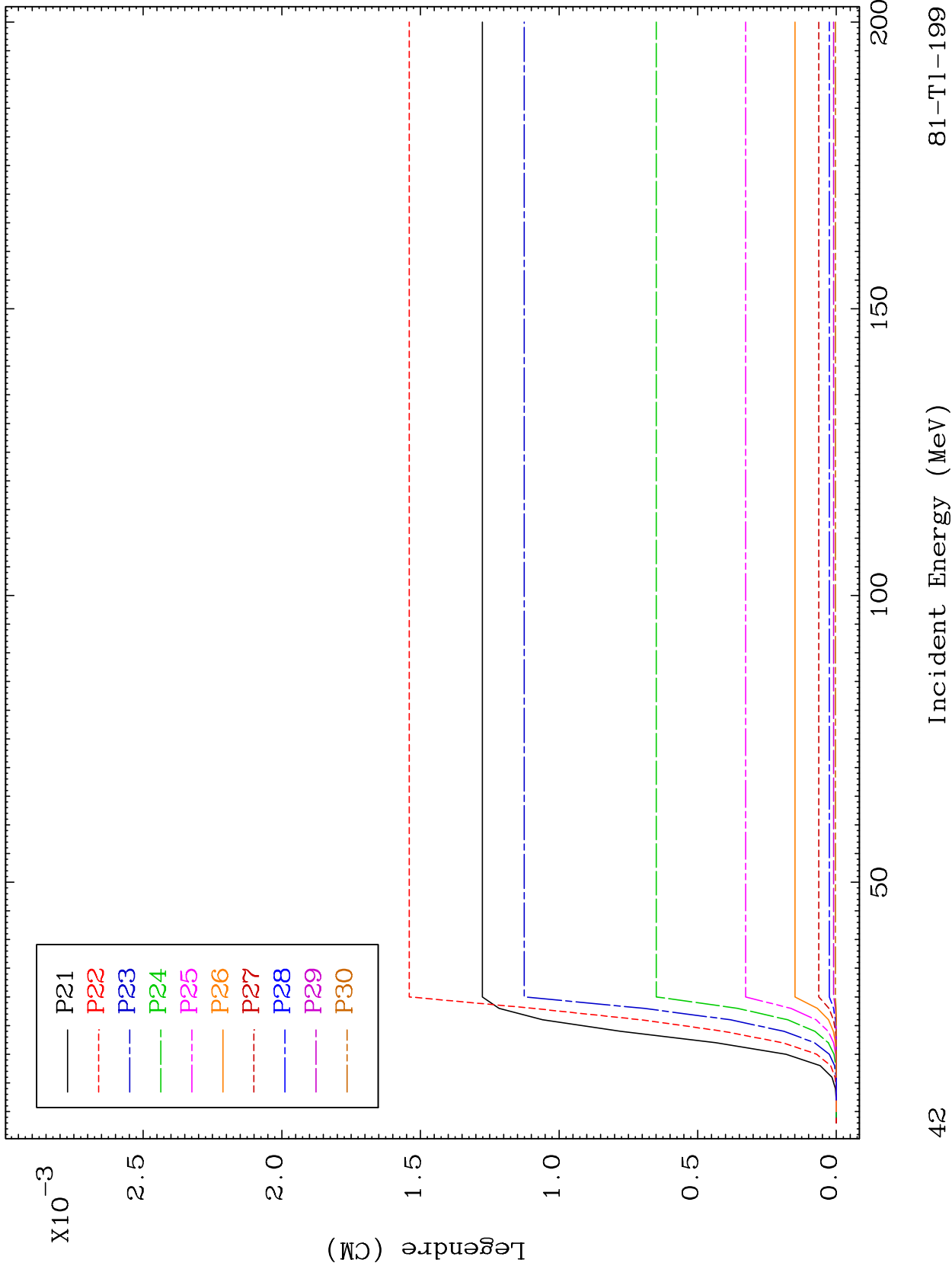


MAT 8113

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

81-T1-199

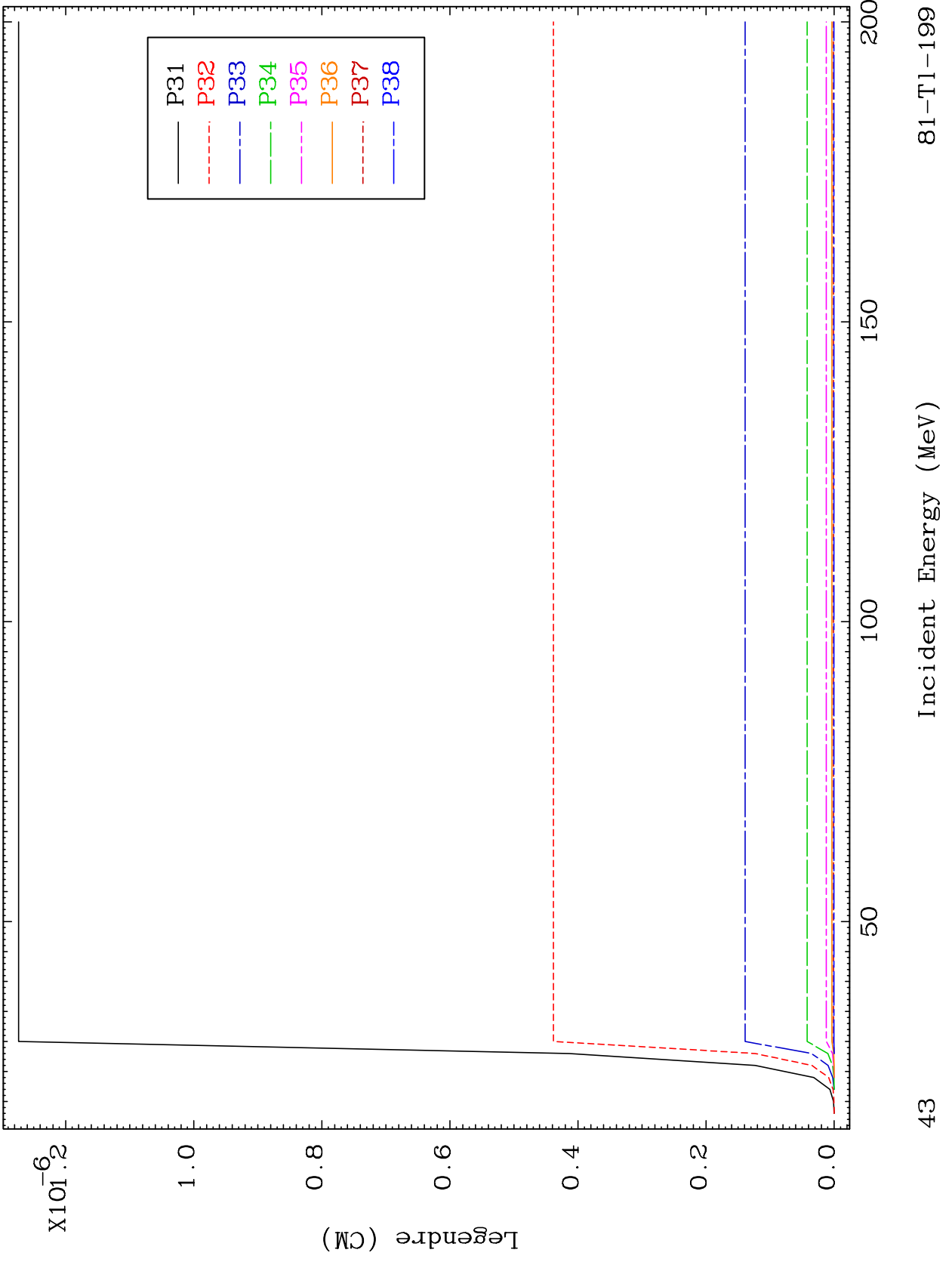


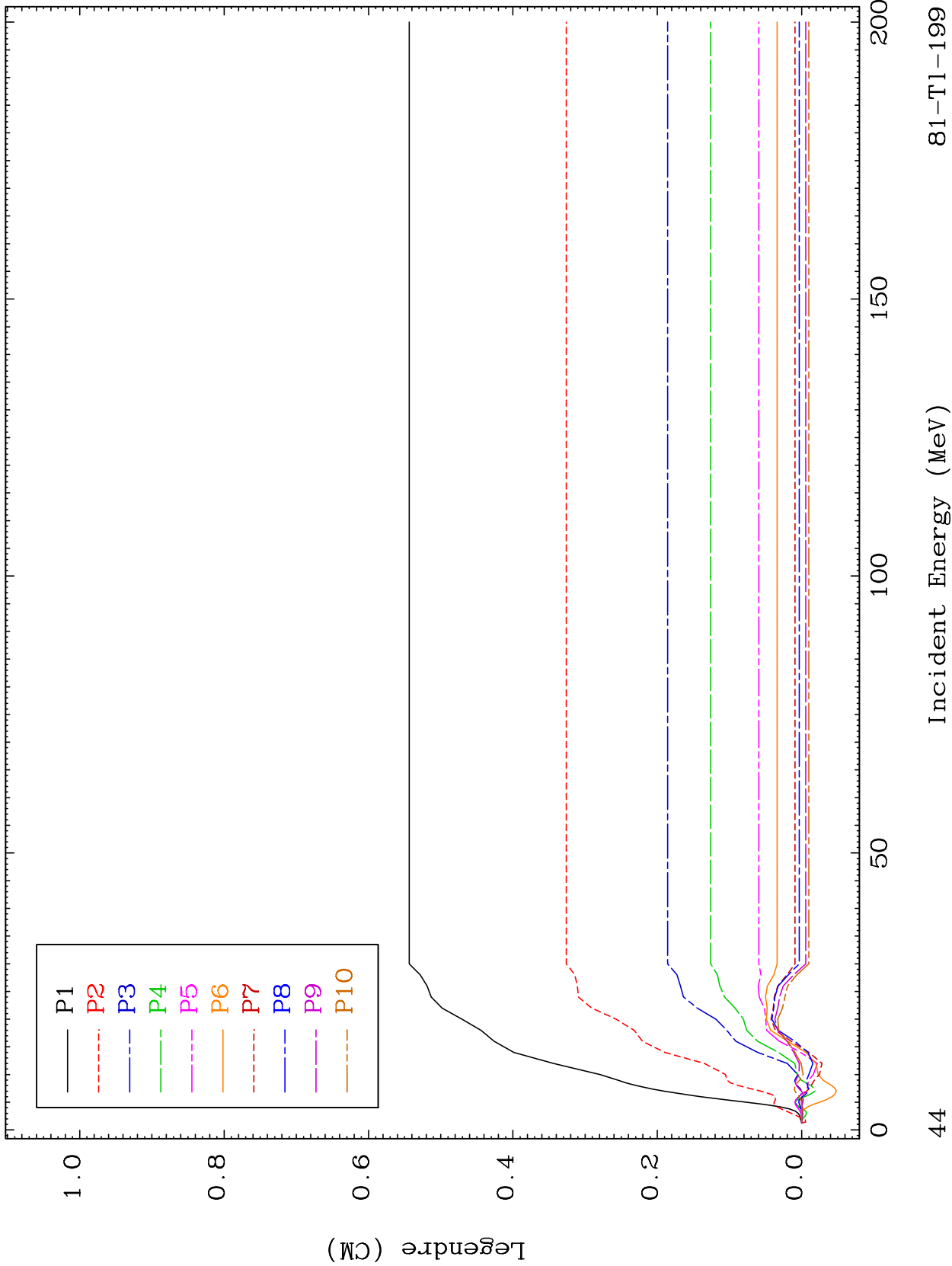


MAT 81113

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

81-T1-199

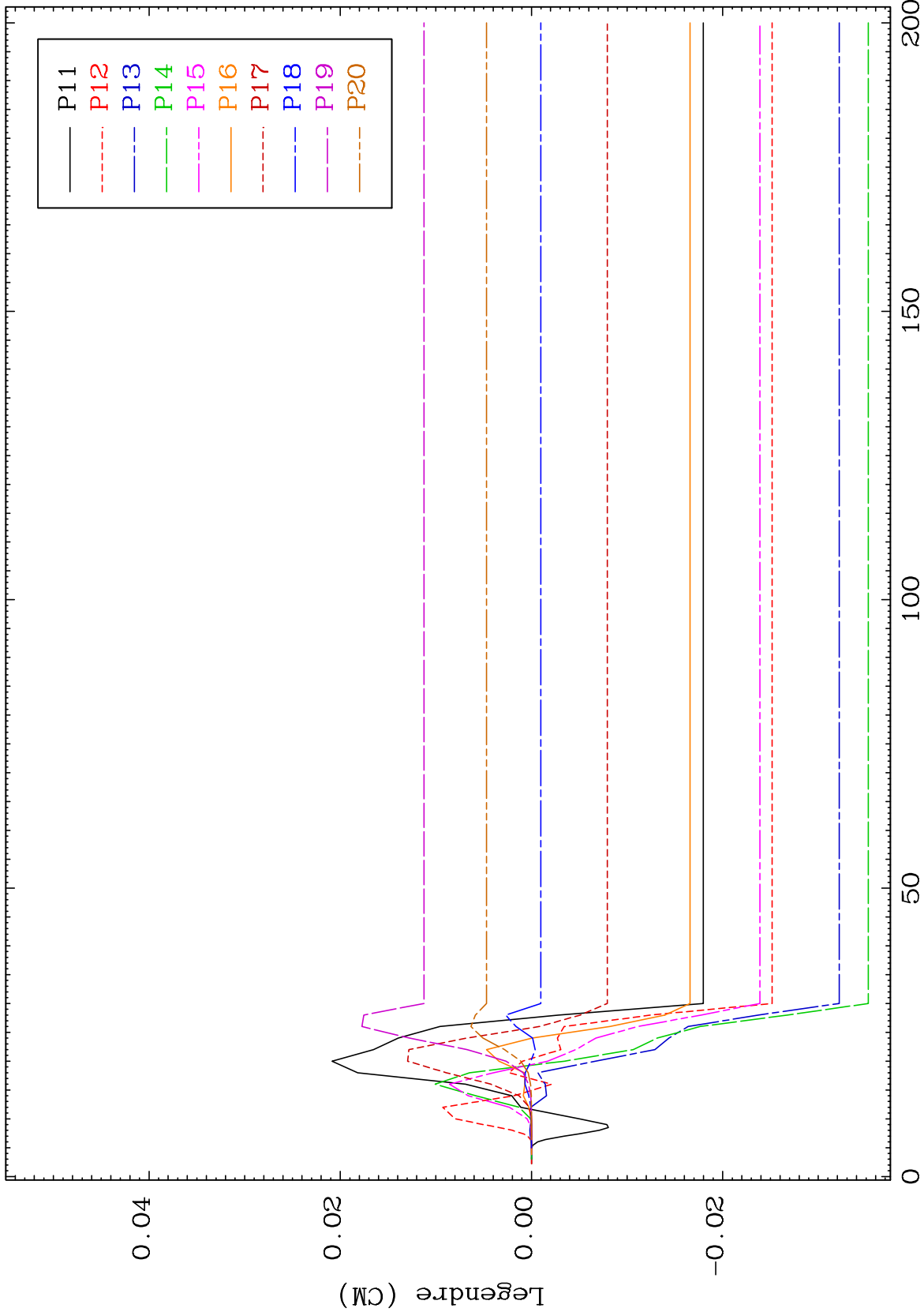




MAT 81113

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

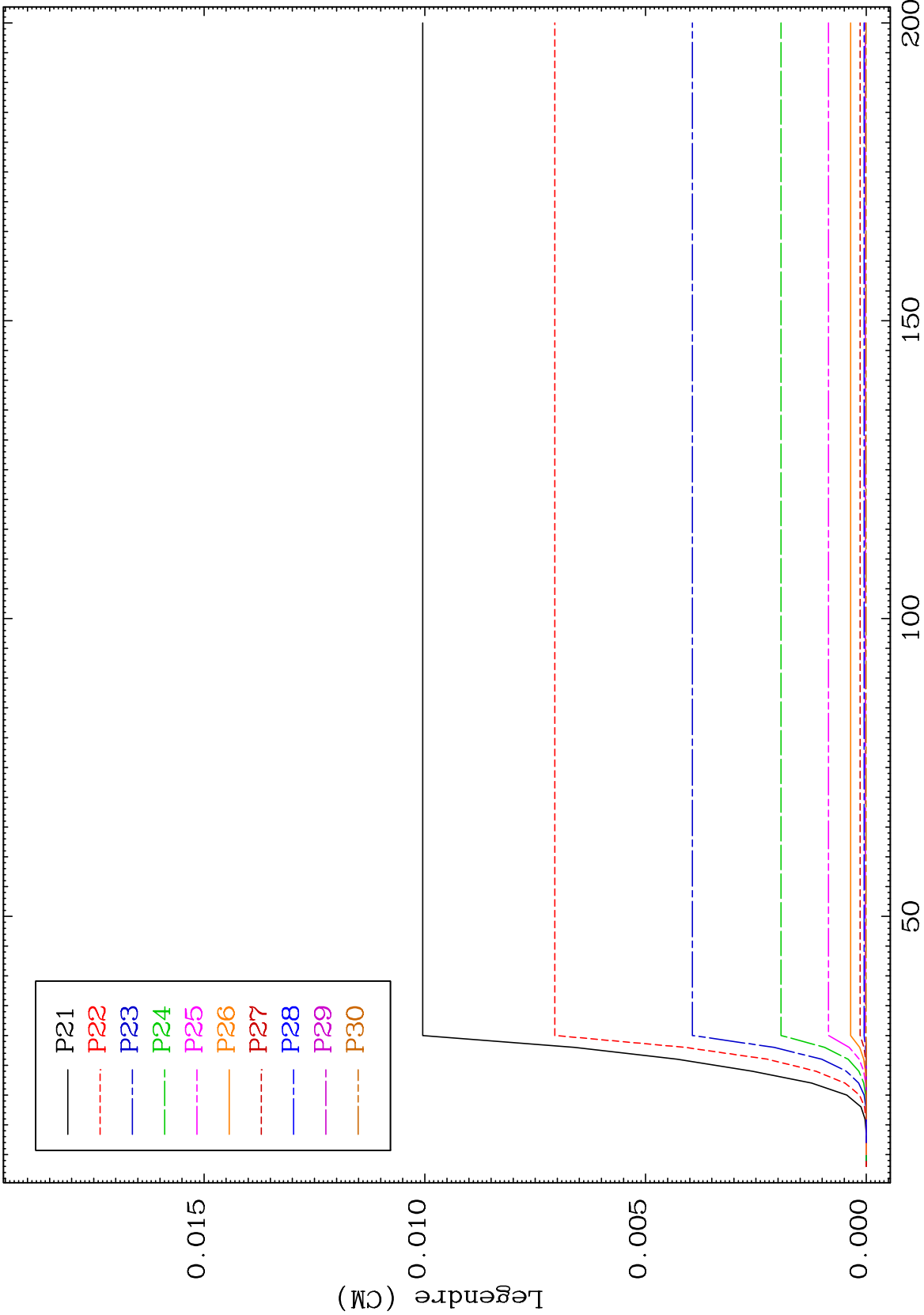
81-T1-199



45

Incident Energy (MeV)

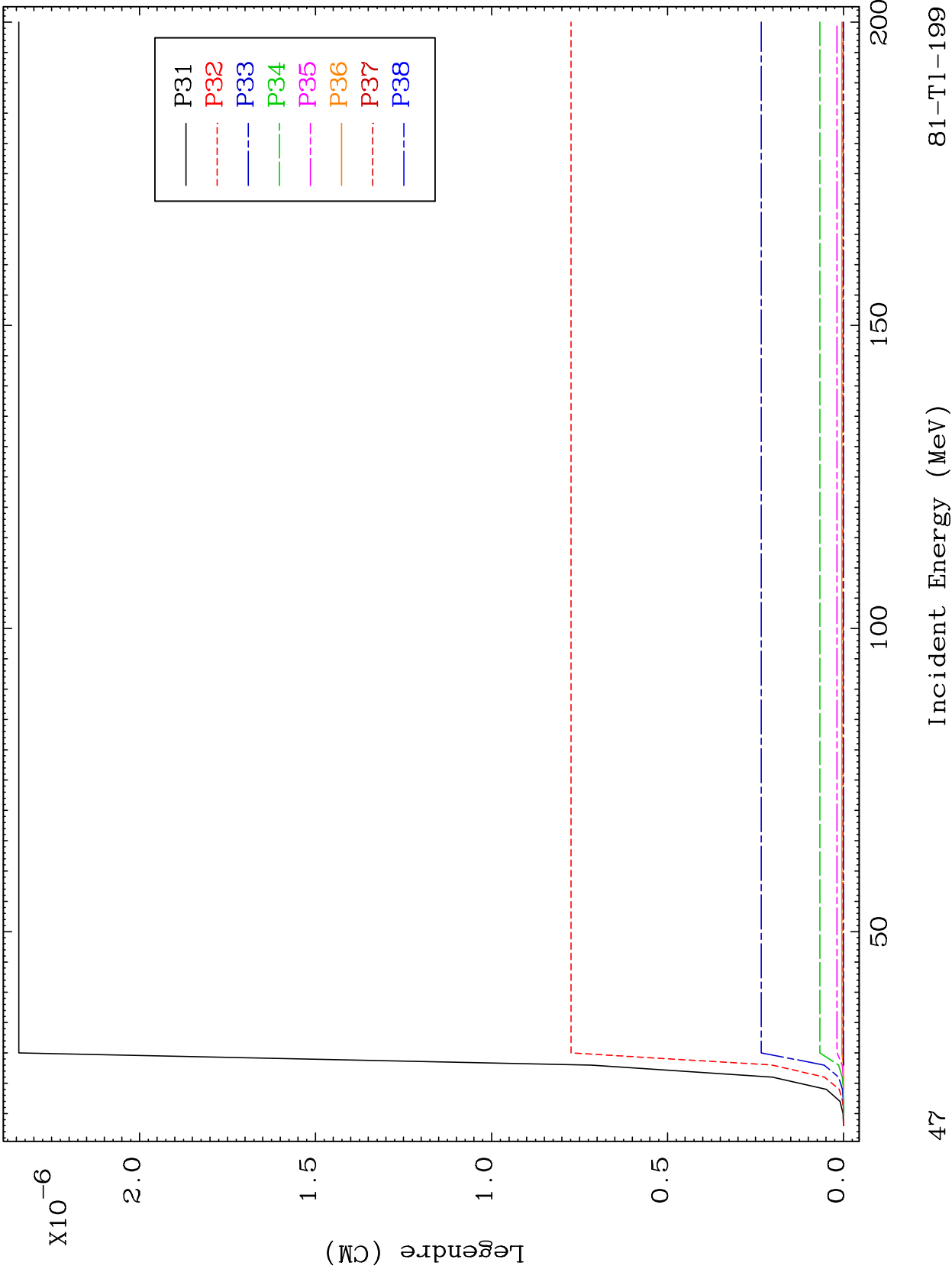
81-T1-199



MAT 81113

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

81-T1-199



47

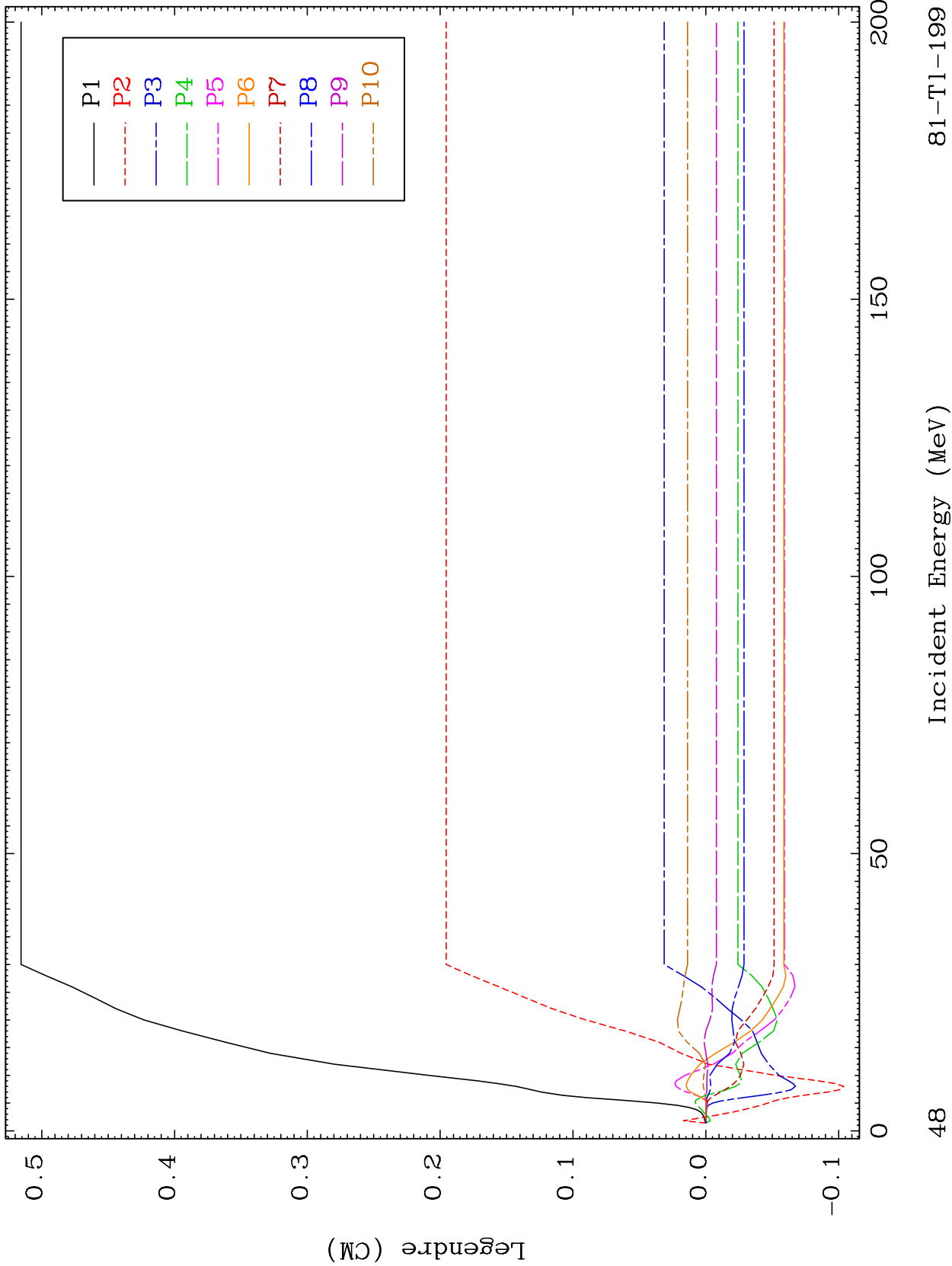
Incident Energy (MeV)

81-T1-199

MAT 81113

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

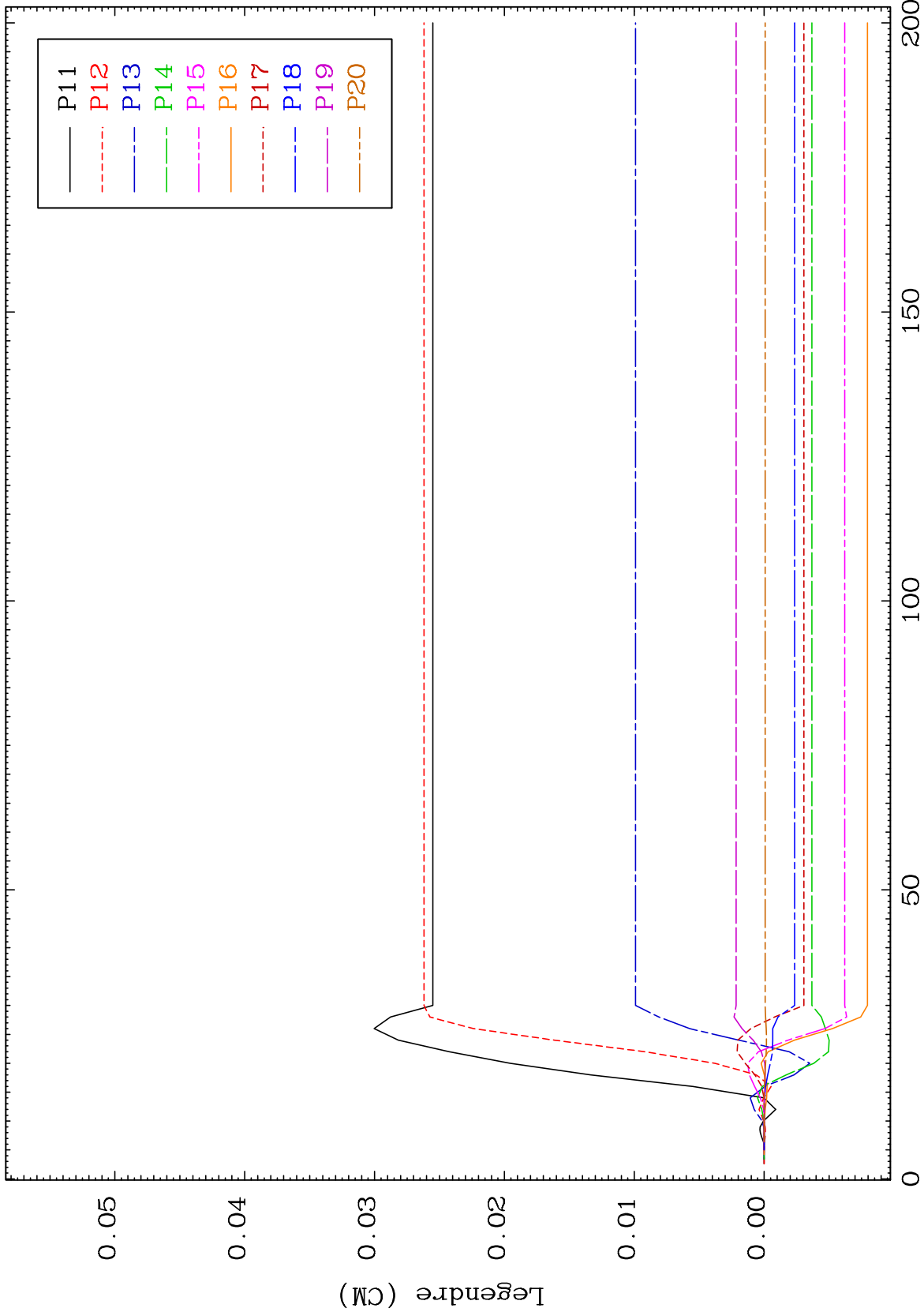
81-T1-199



MAT 81113

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

81-T1-199



49

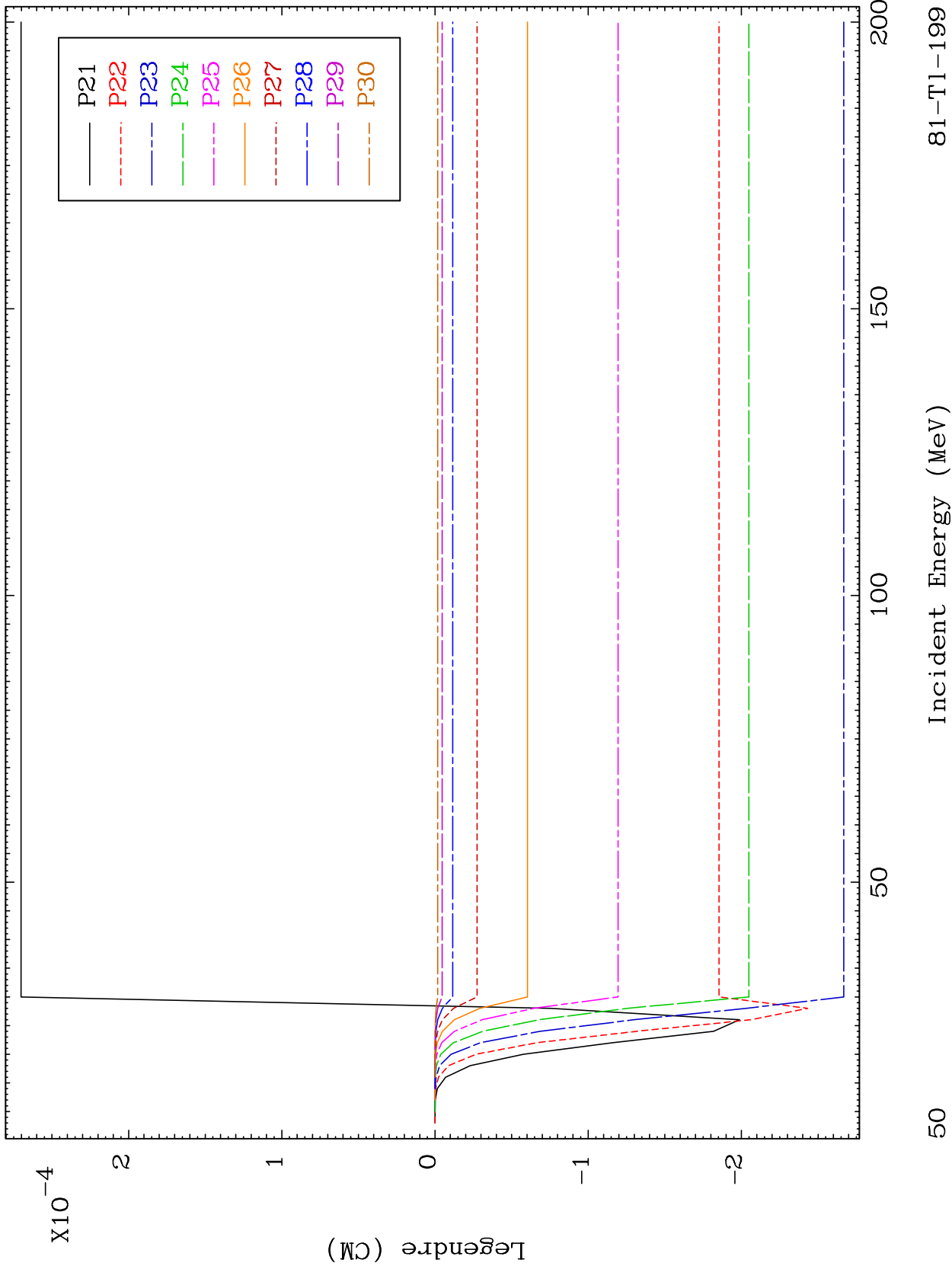
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



81-T1-199

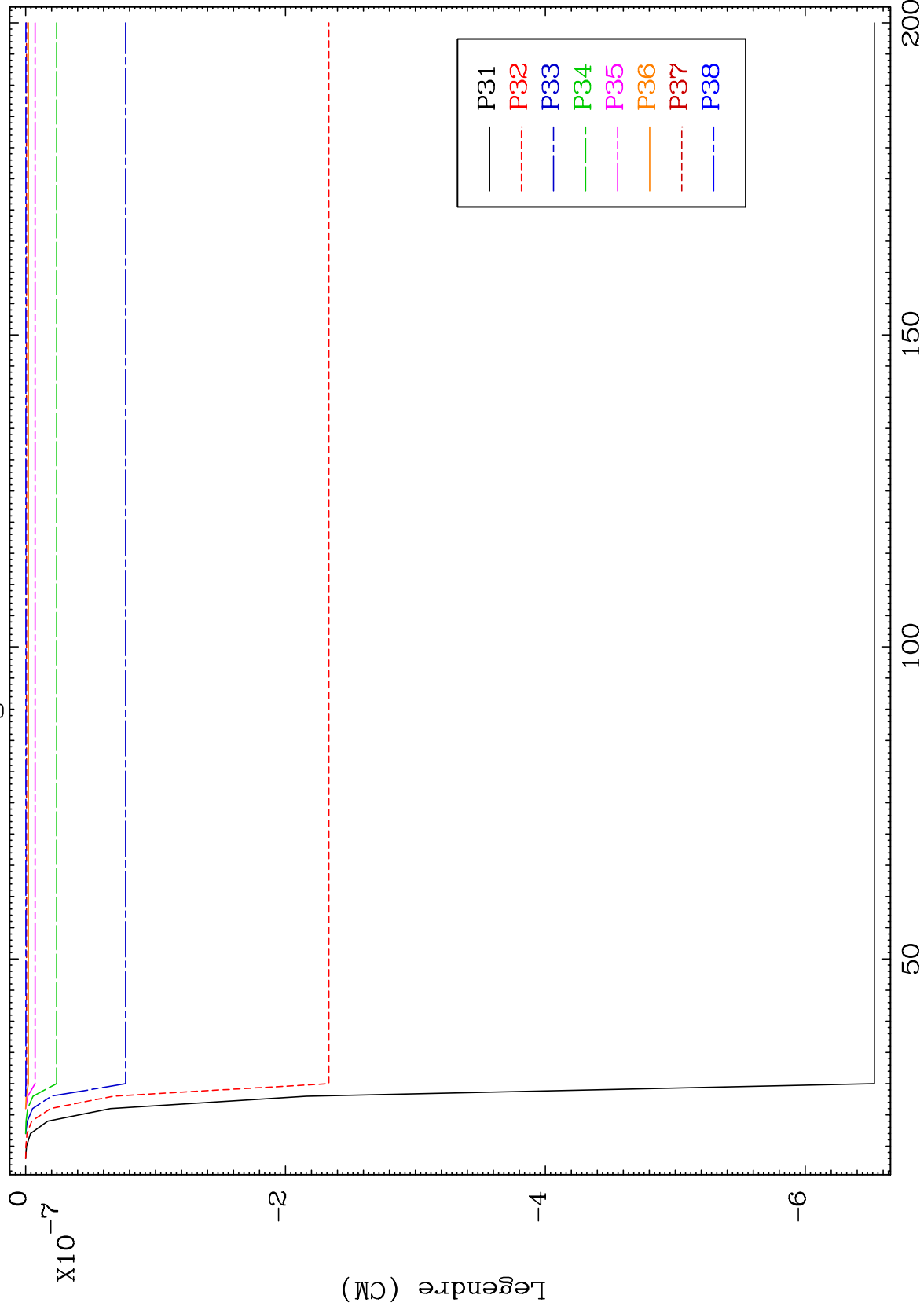
Incident Energy (MeV)

50

MAT 8113

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

81-T1-199



51

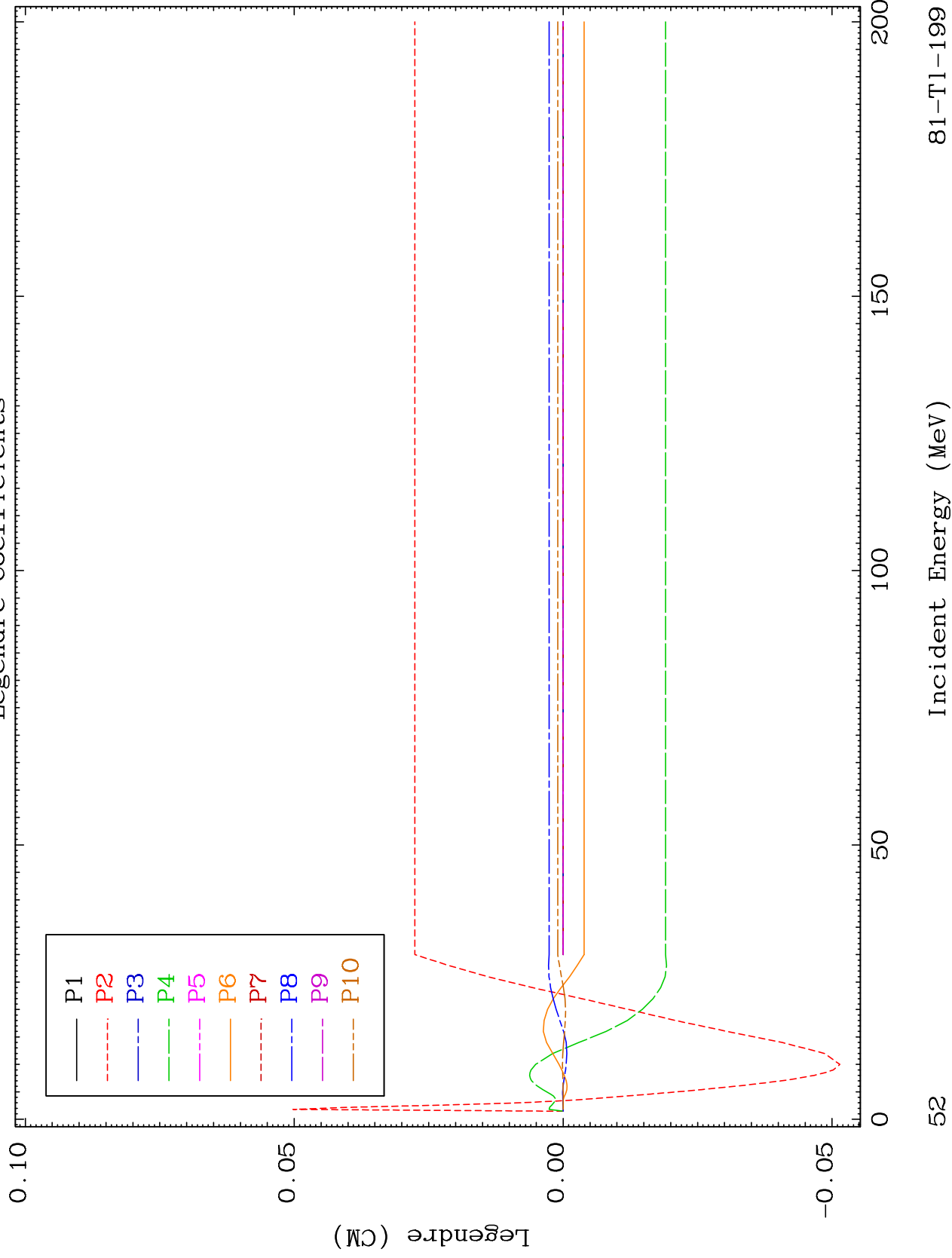
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-T1-199



52

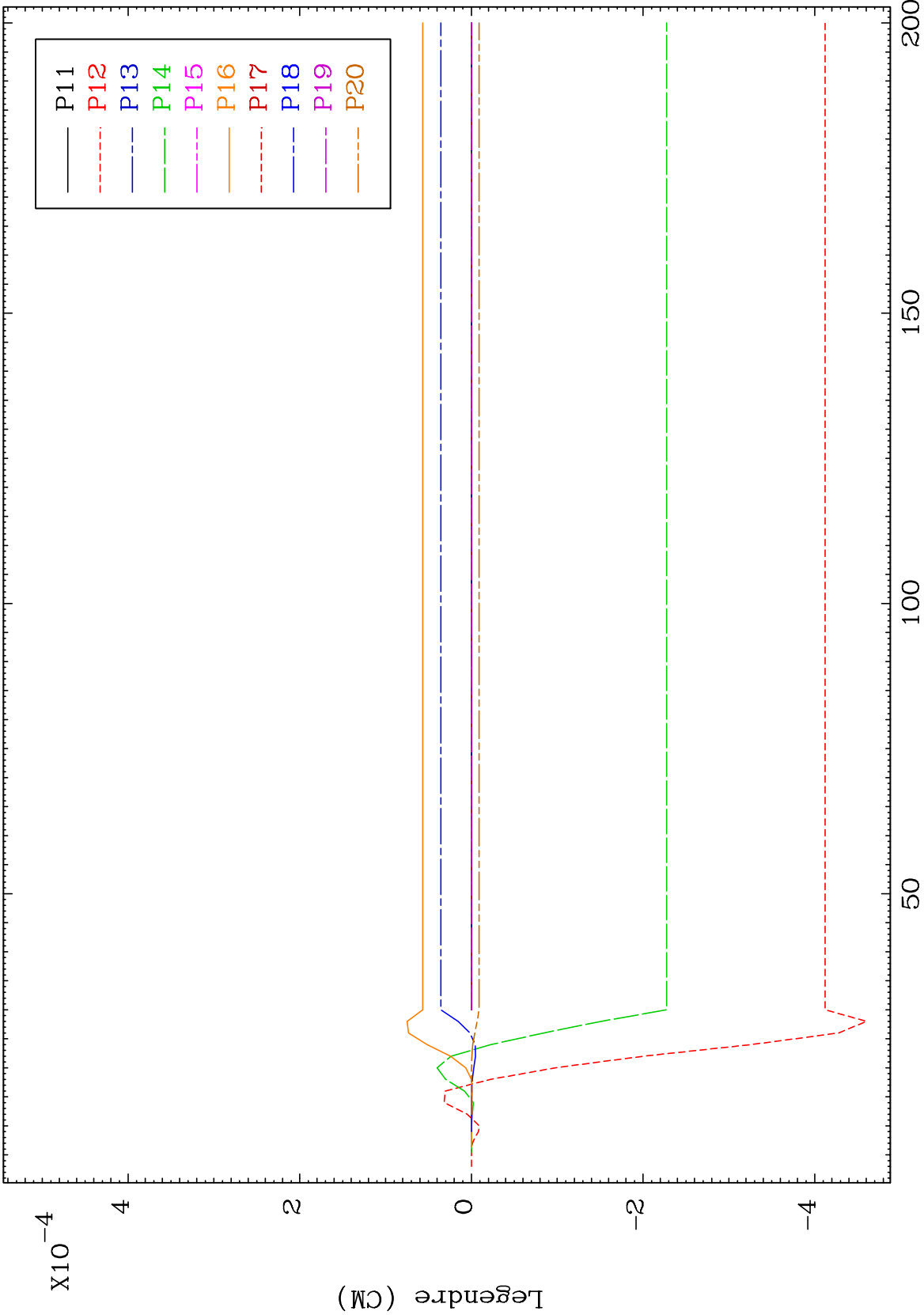
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



53

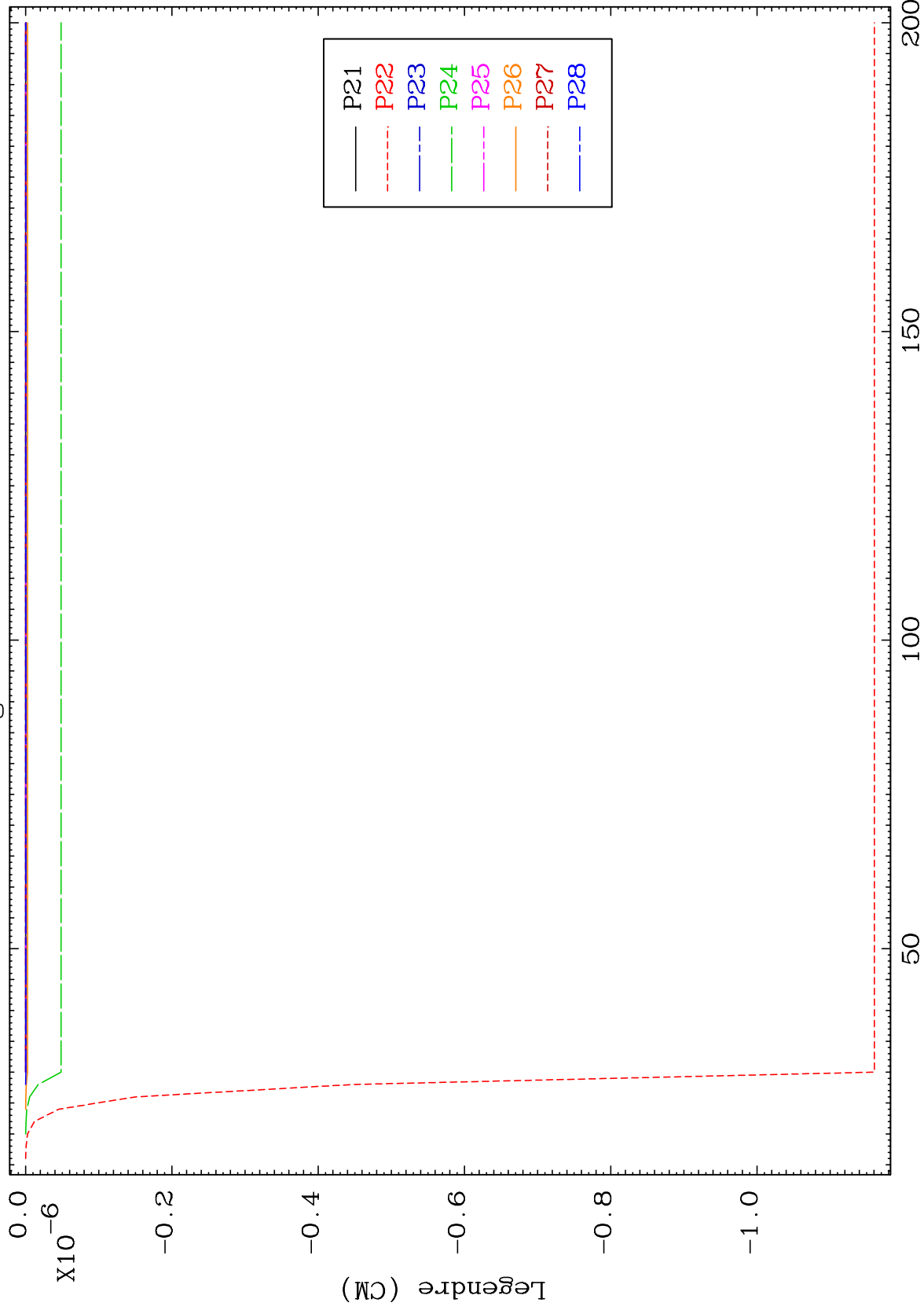
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-T1-199



54

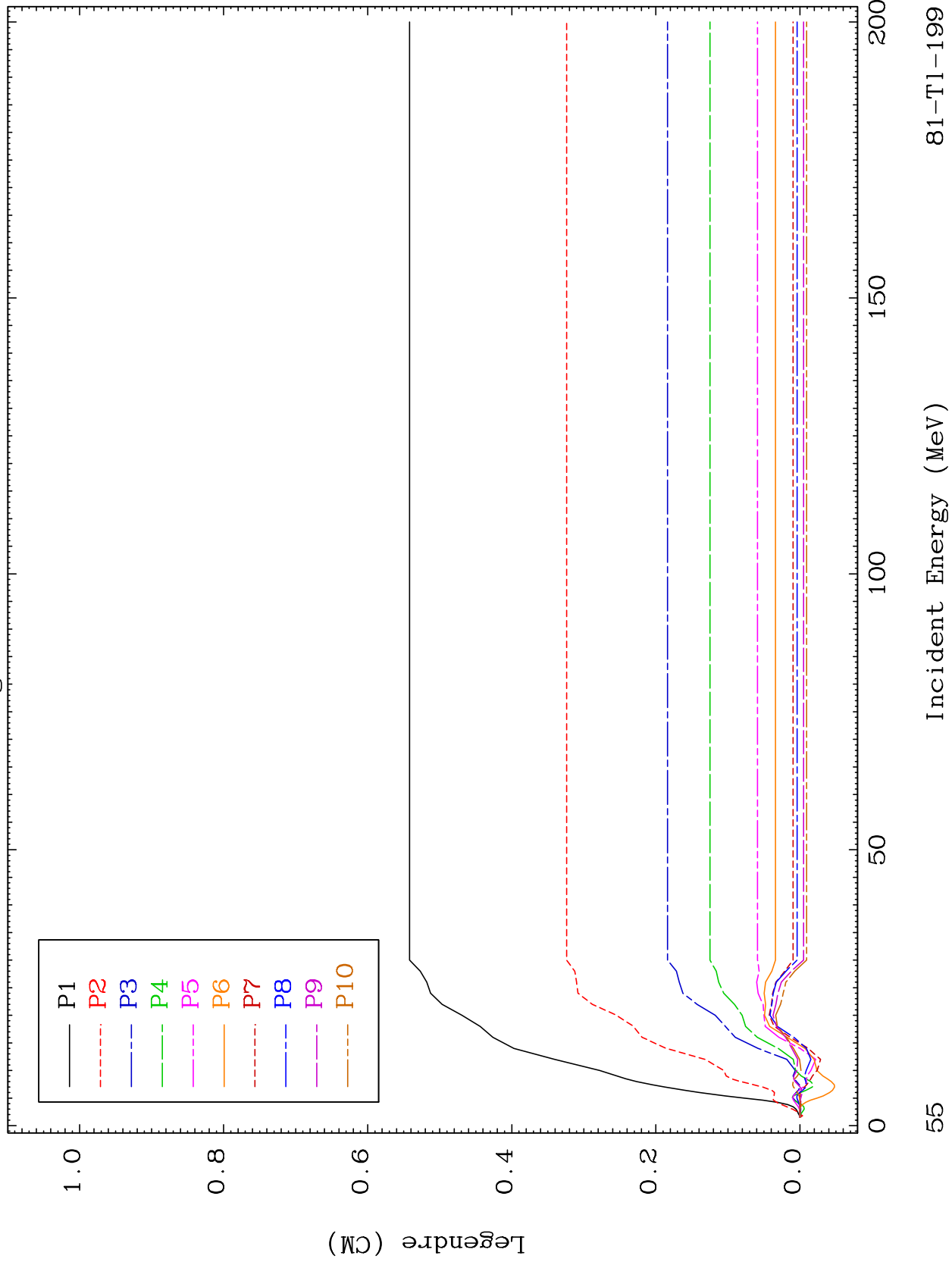
Incident Energy (MeV)

81-T1-199

MAT 81113

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

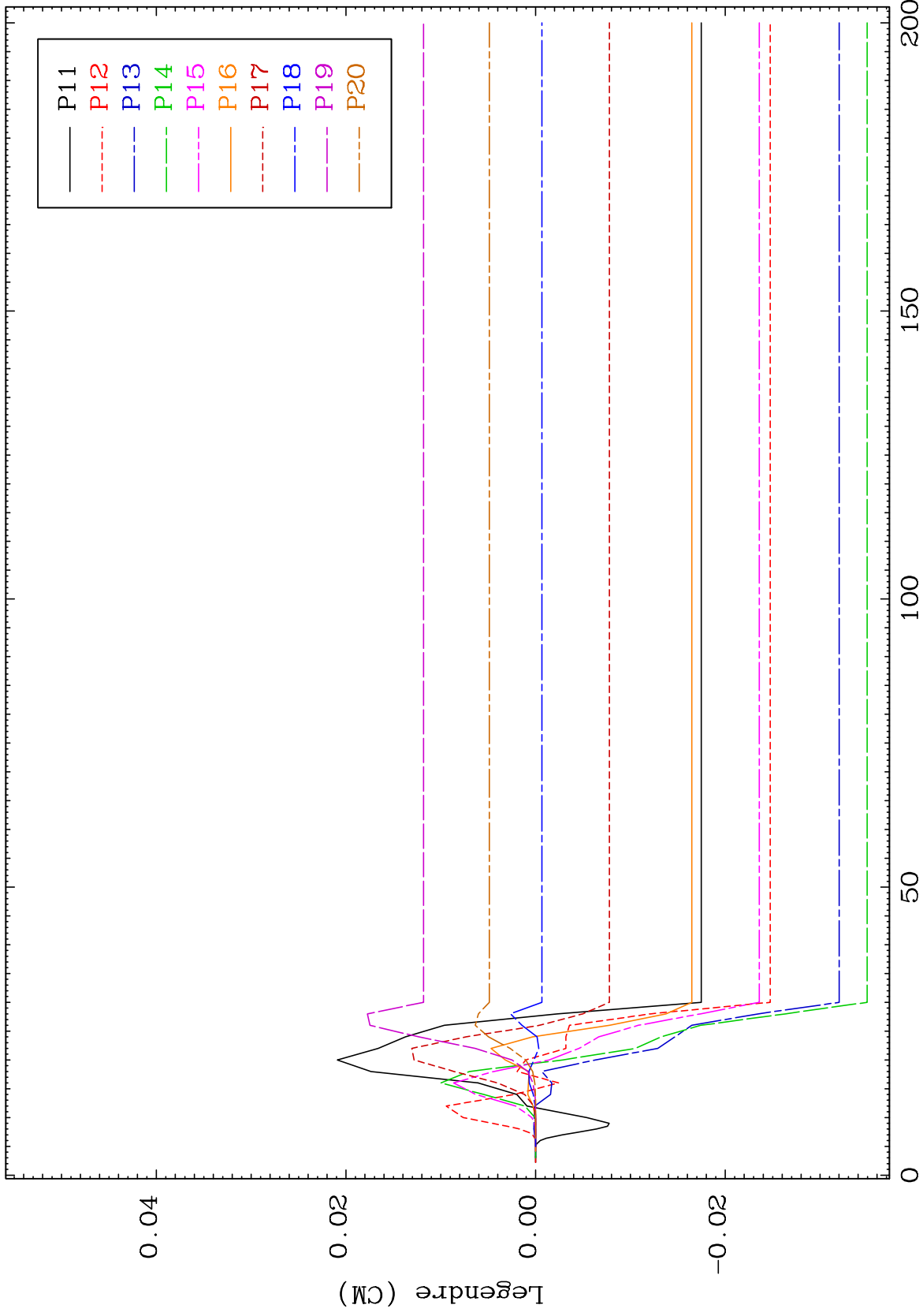
81-T1-199



MAT 81113

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

81-Tl-199



56

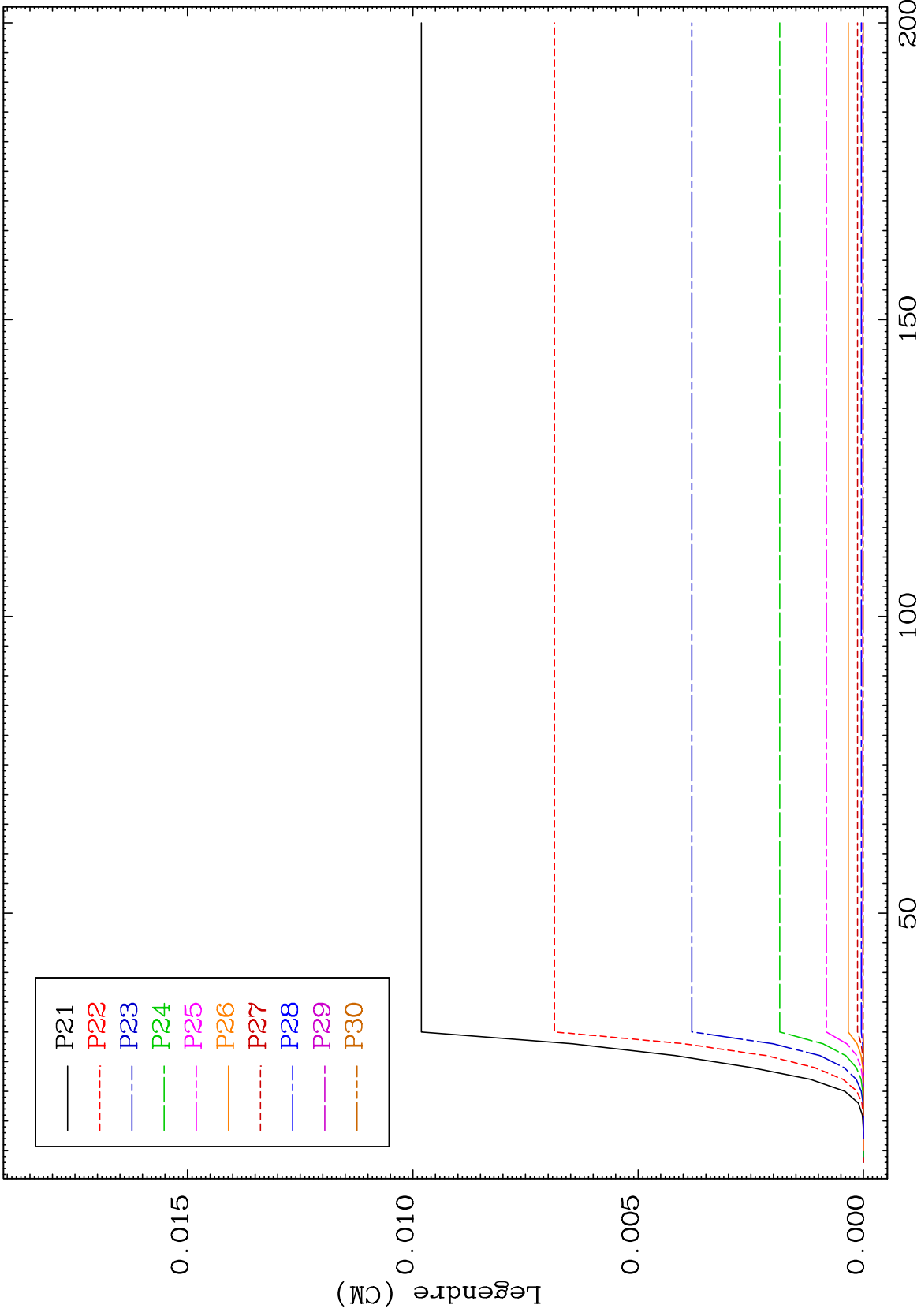
Incident Energy (MeV)

81-Tl-199

MAT 81113

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

81-T1-199



57

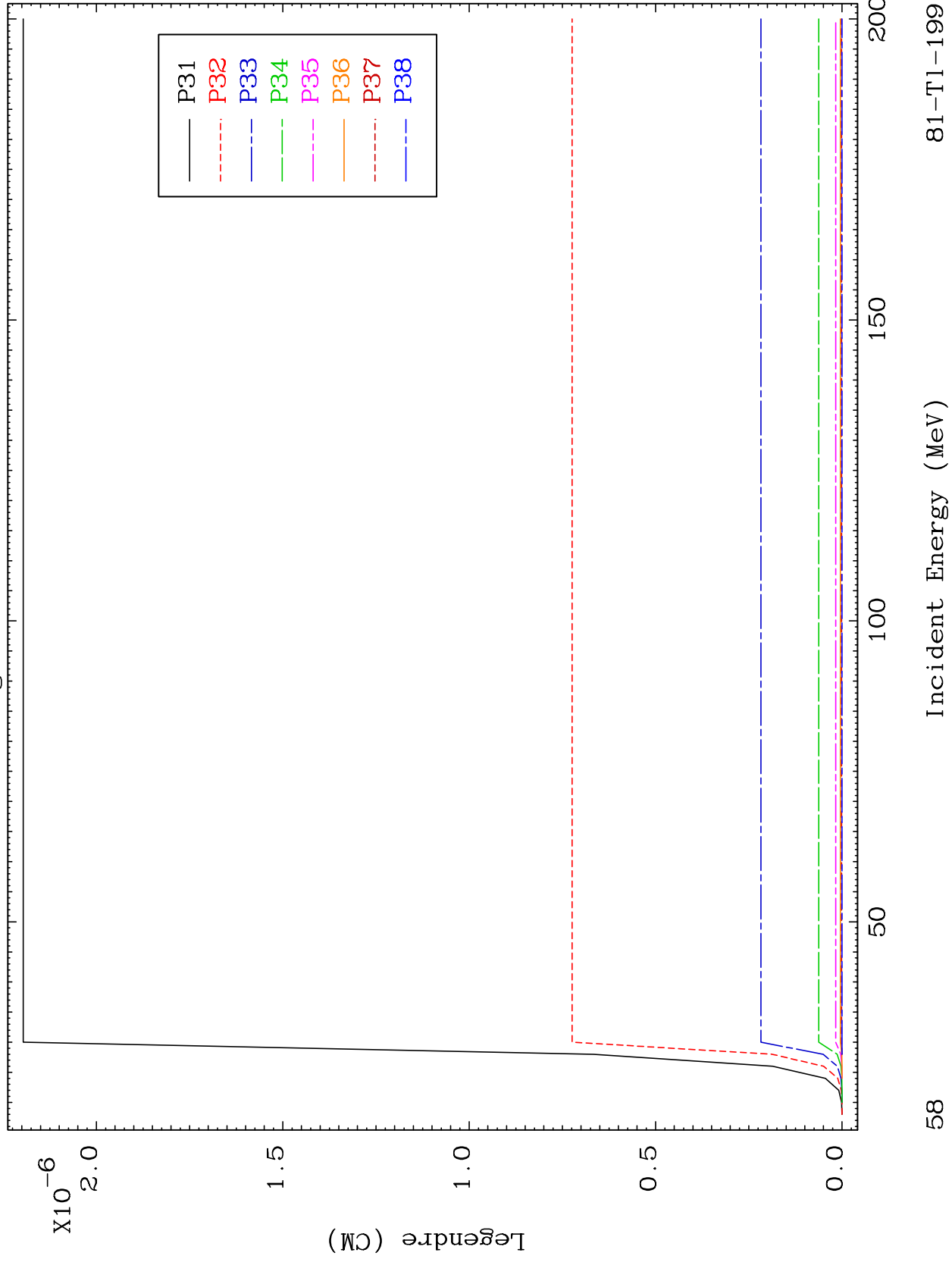
Incident Energy (MeV)

81-T1-199

MAT 81113

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

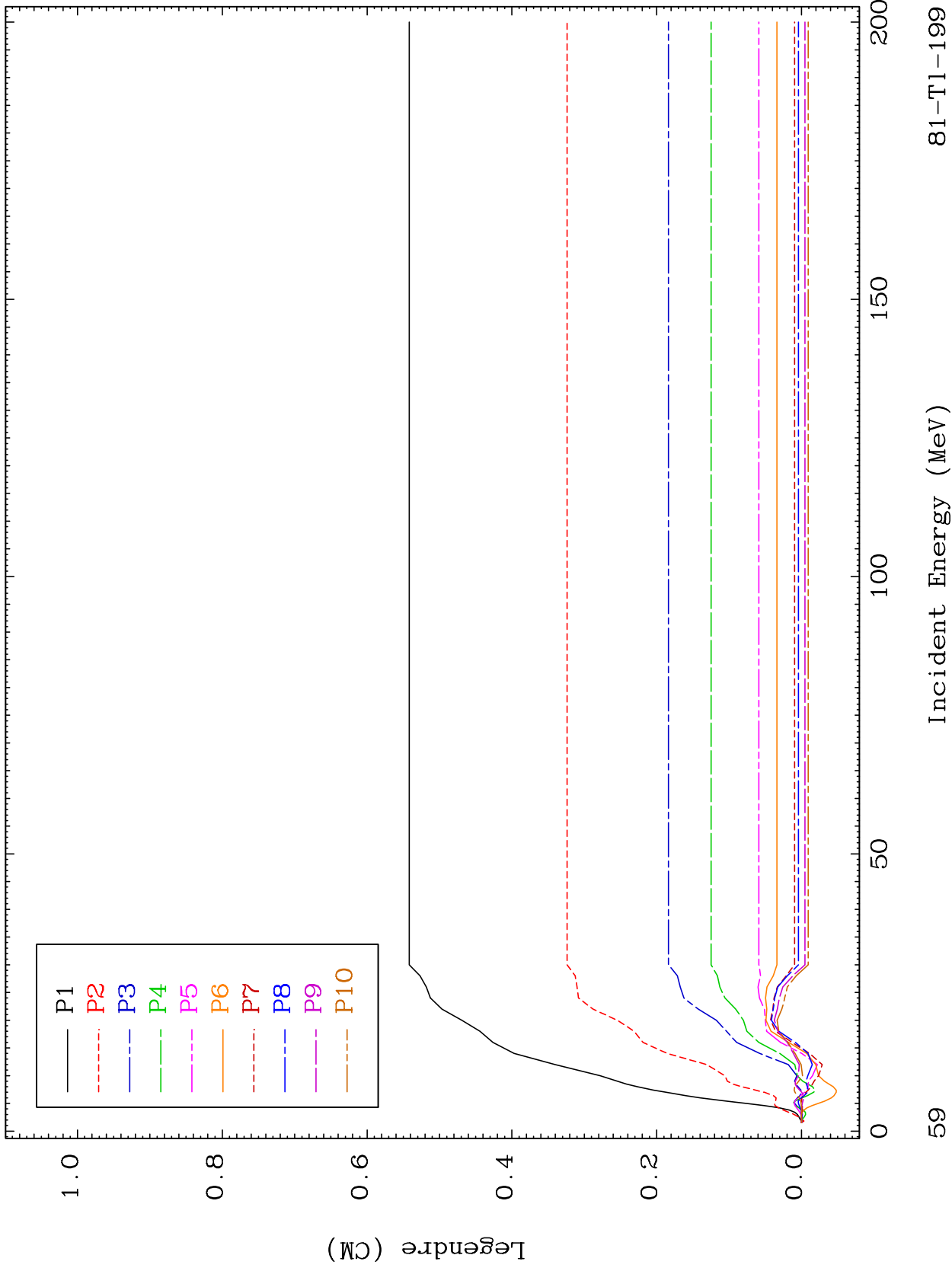
81-T1-199



MAT 81113

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

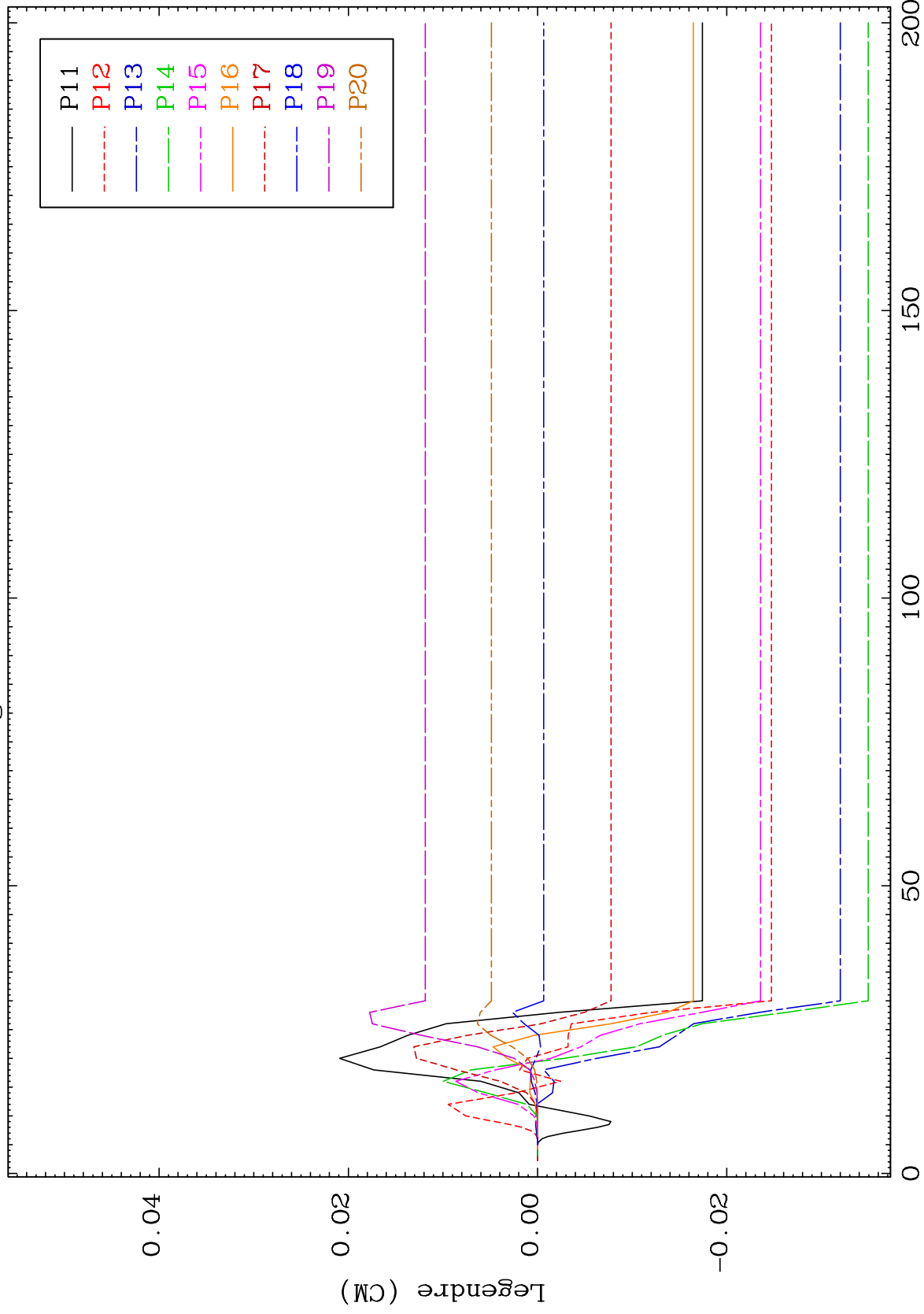
81-T1-199



MAT 81113

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

81-T1-199



60

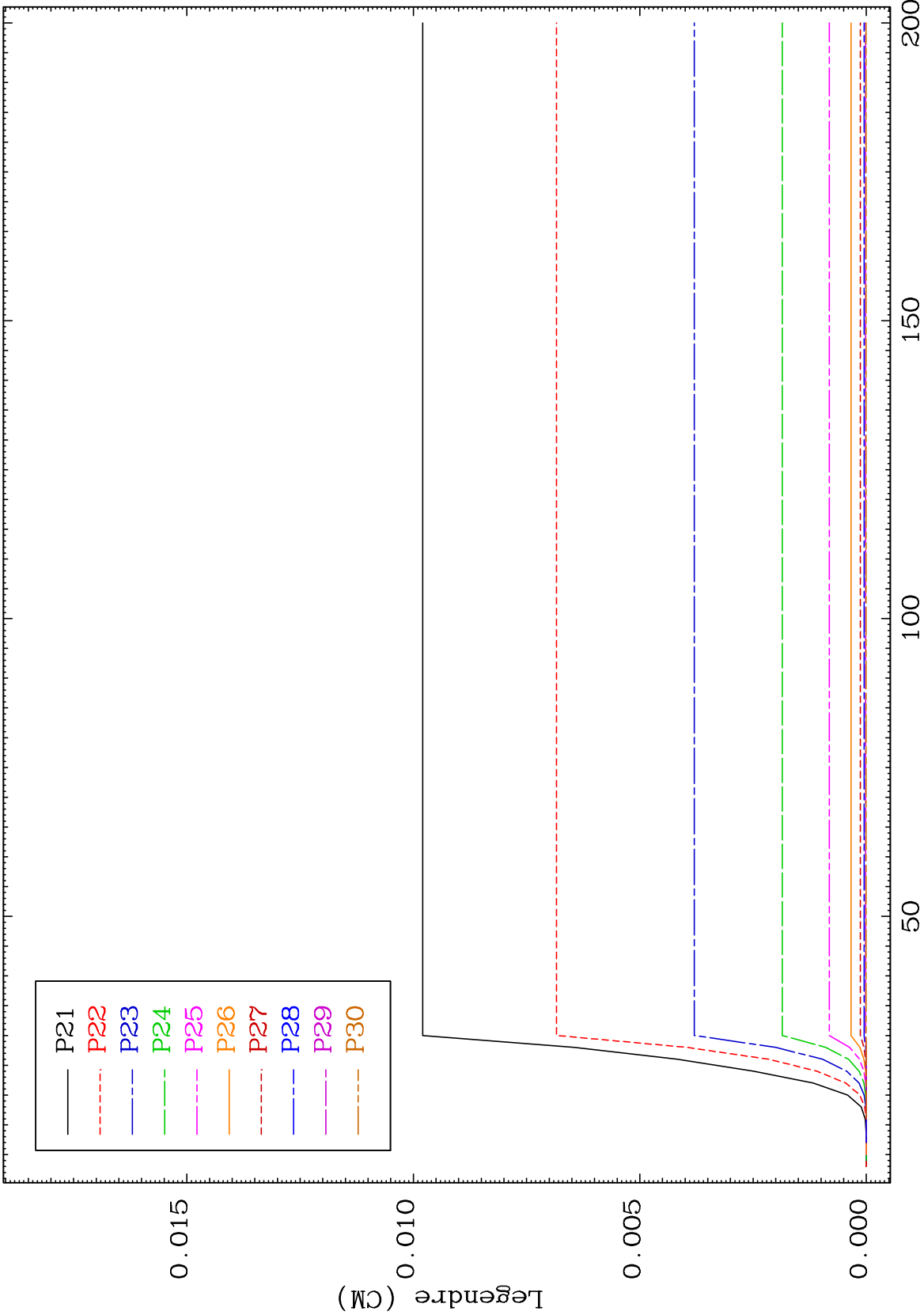
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



61

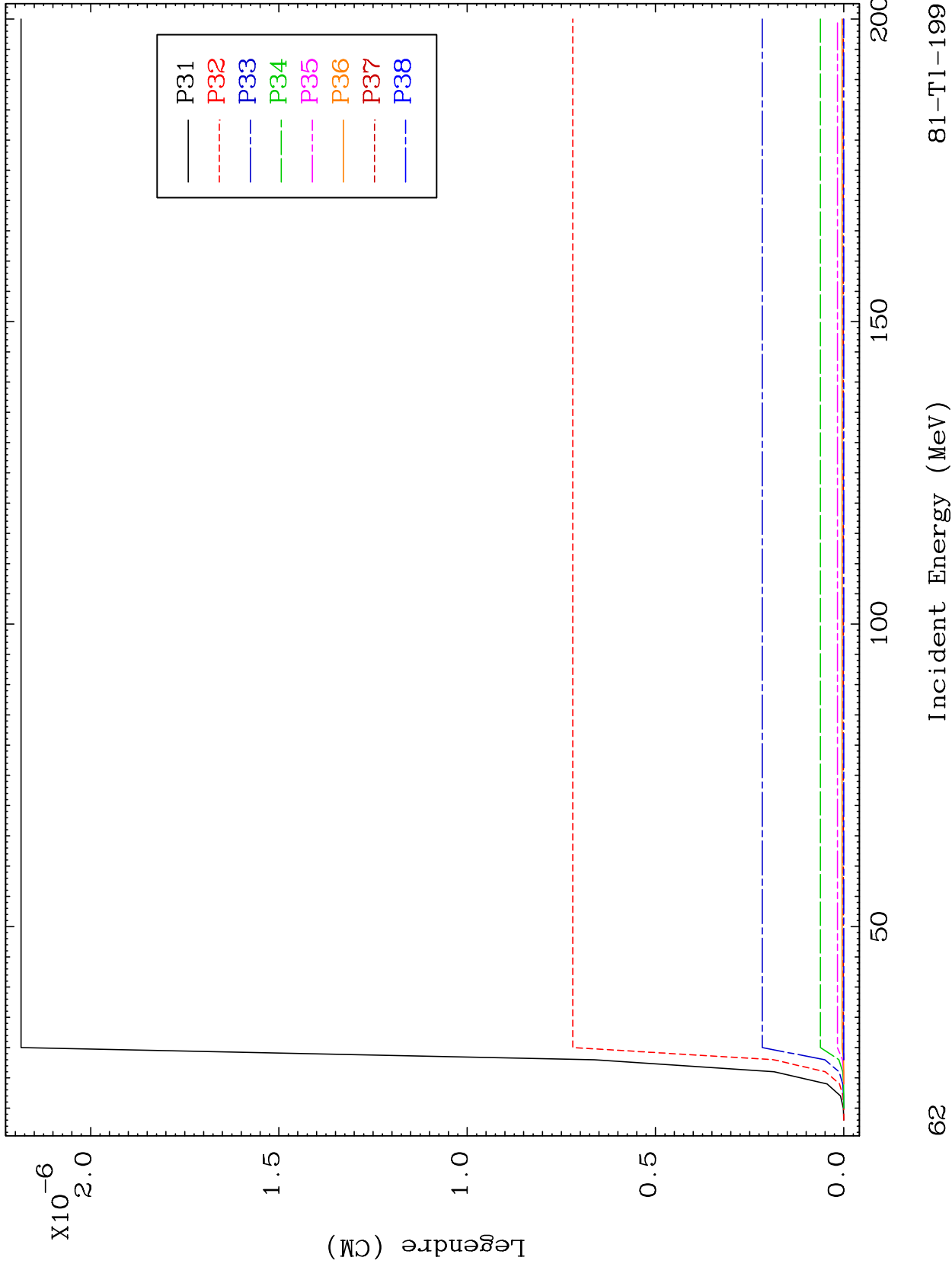
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-T1-199



62

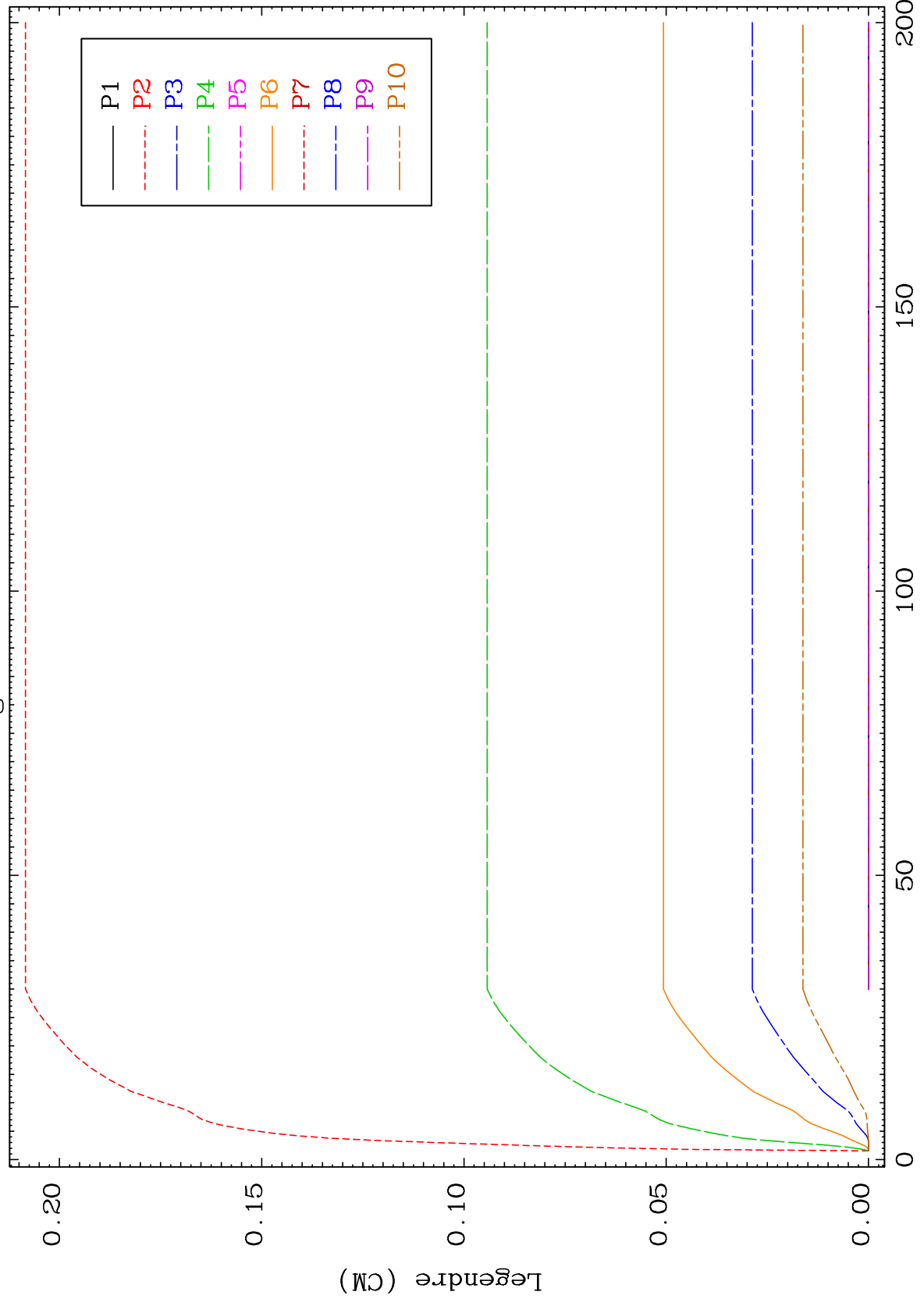
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-T1-199



63

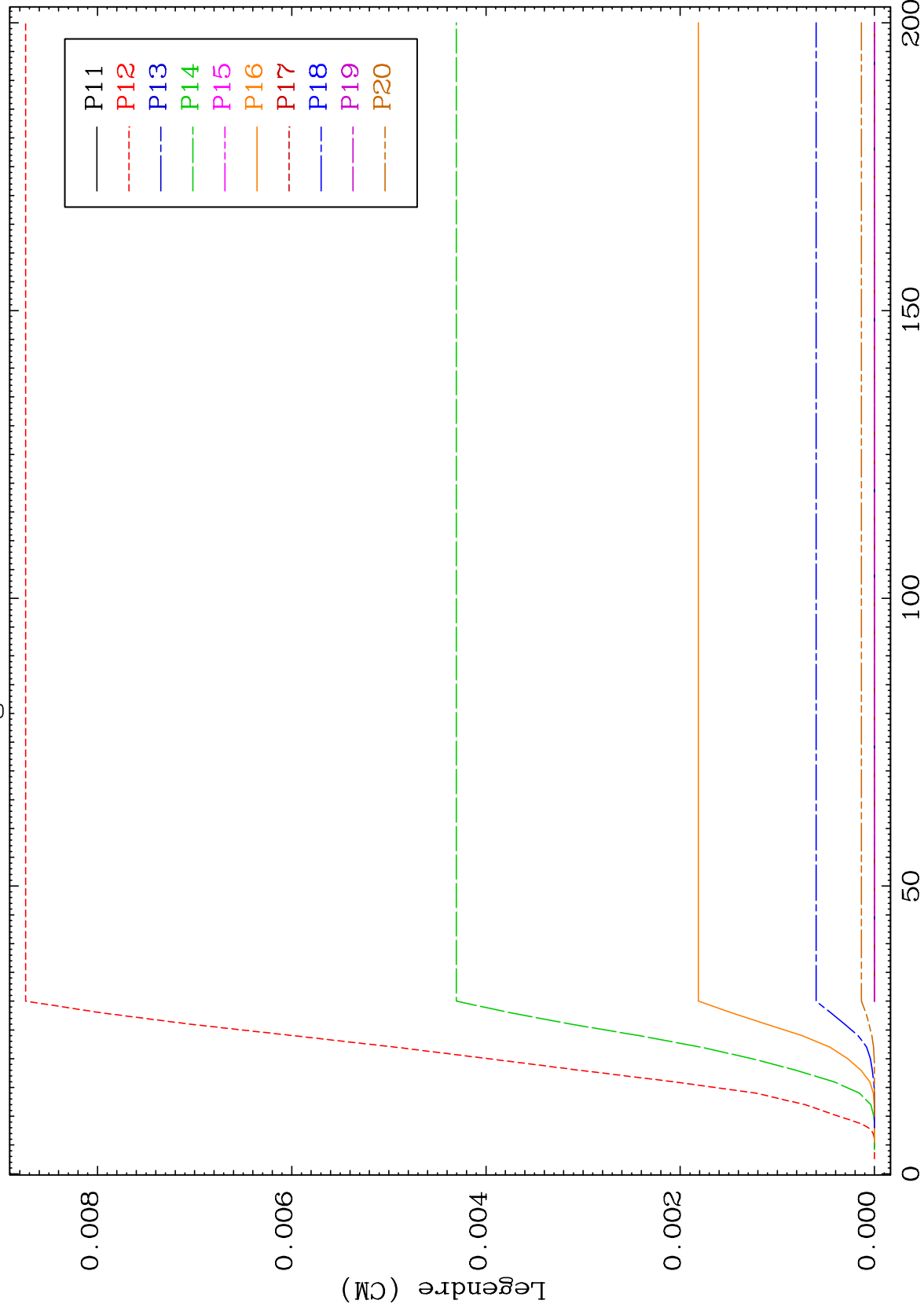
Incident Energy (MeV)

81-T1-199

MAT 8113

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

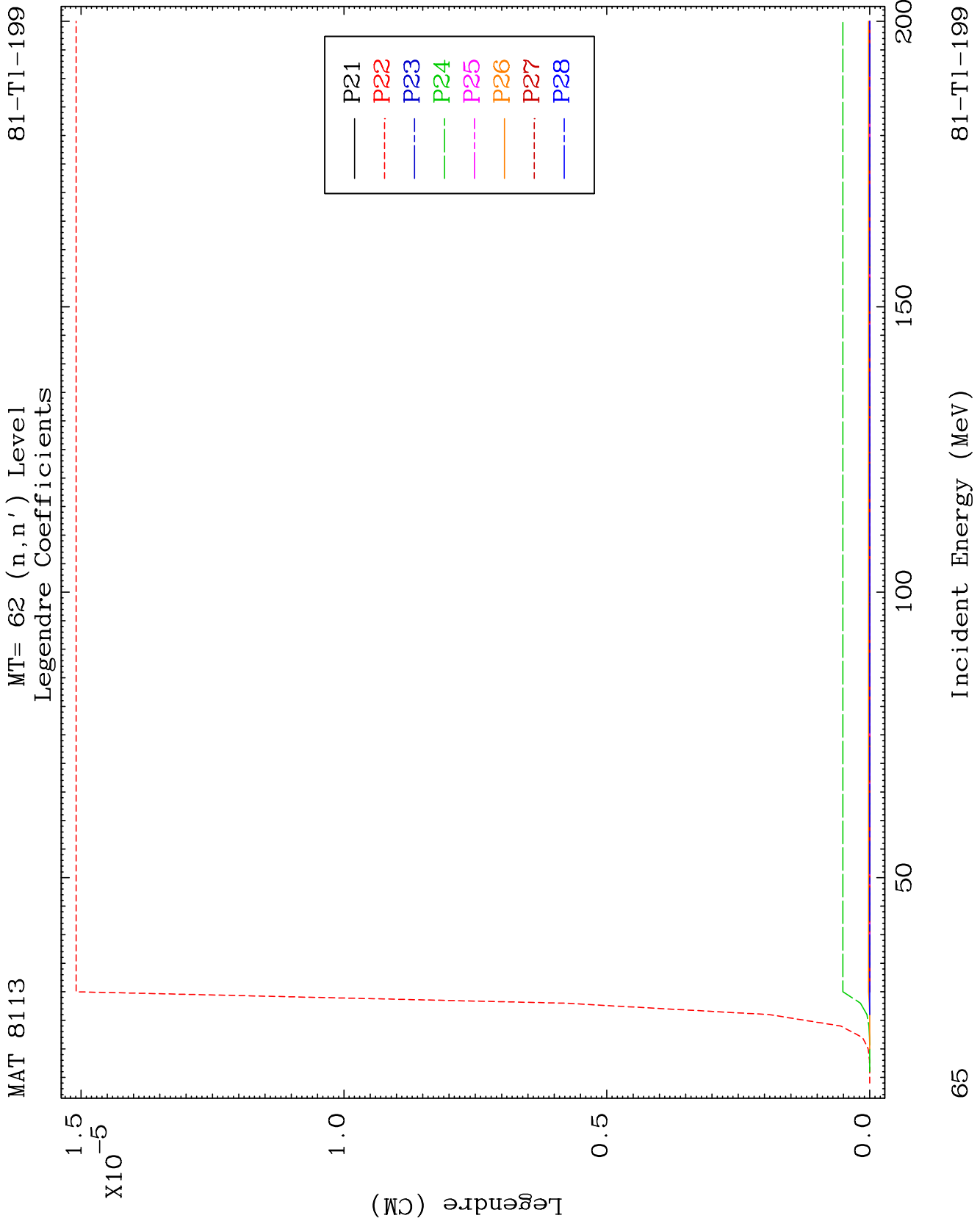
81-Tl-199

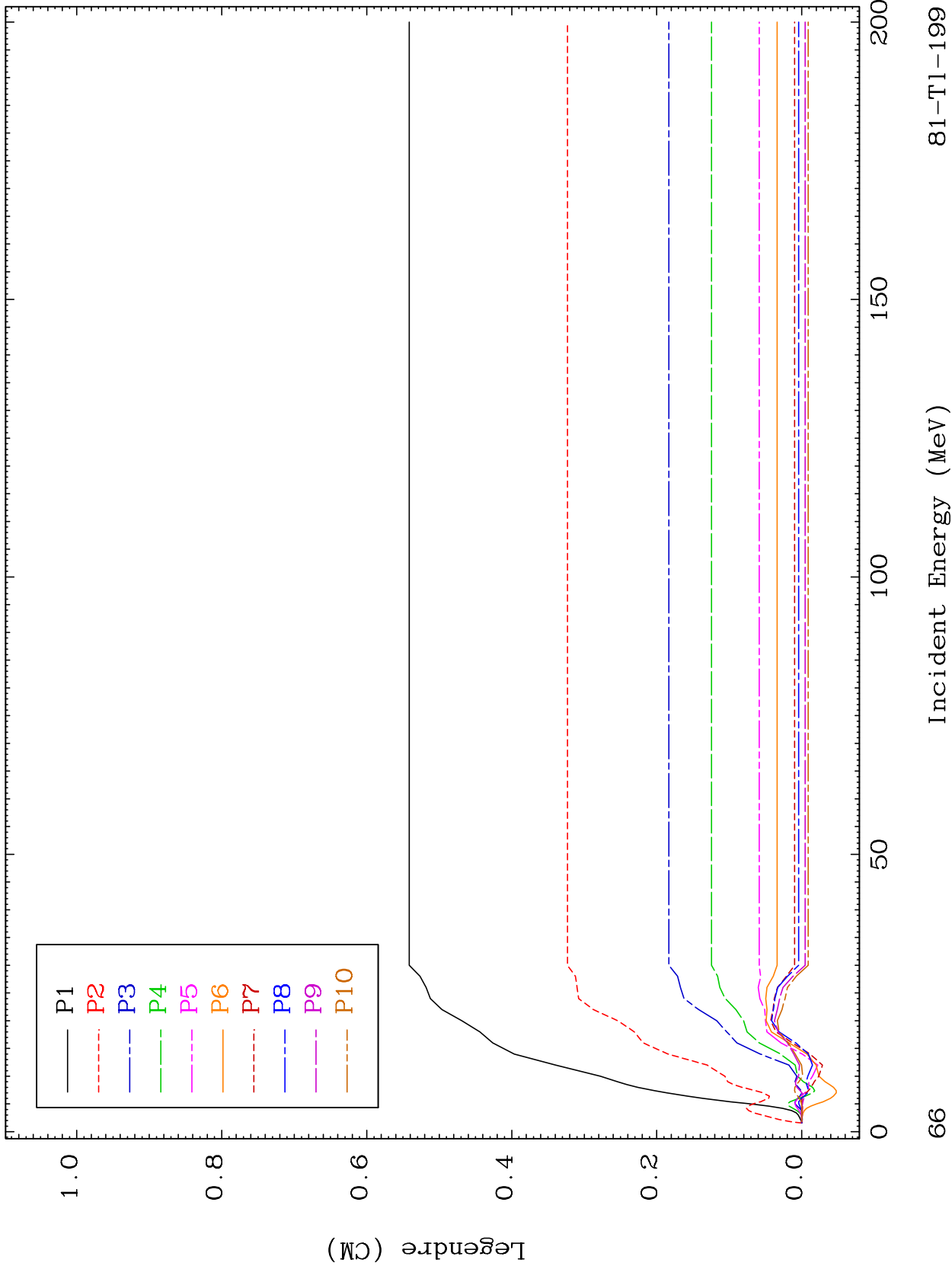


64

Incident Energy (MeV)

81-Tl-199

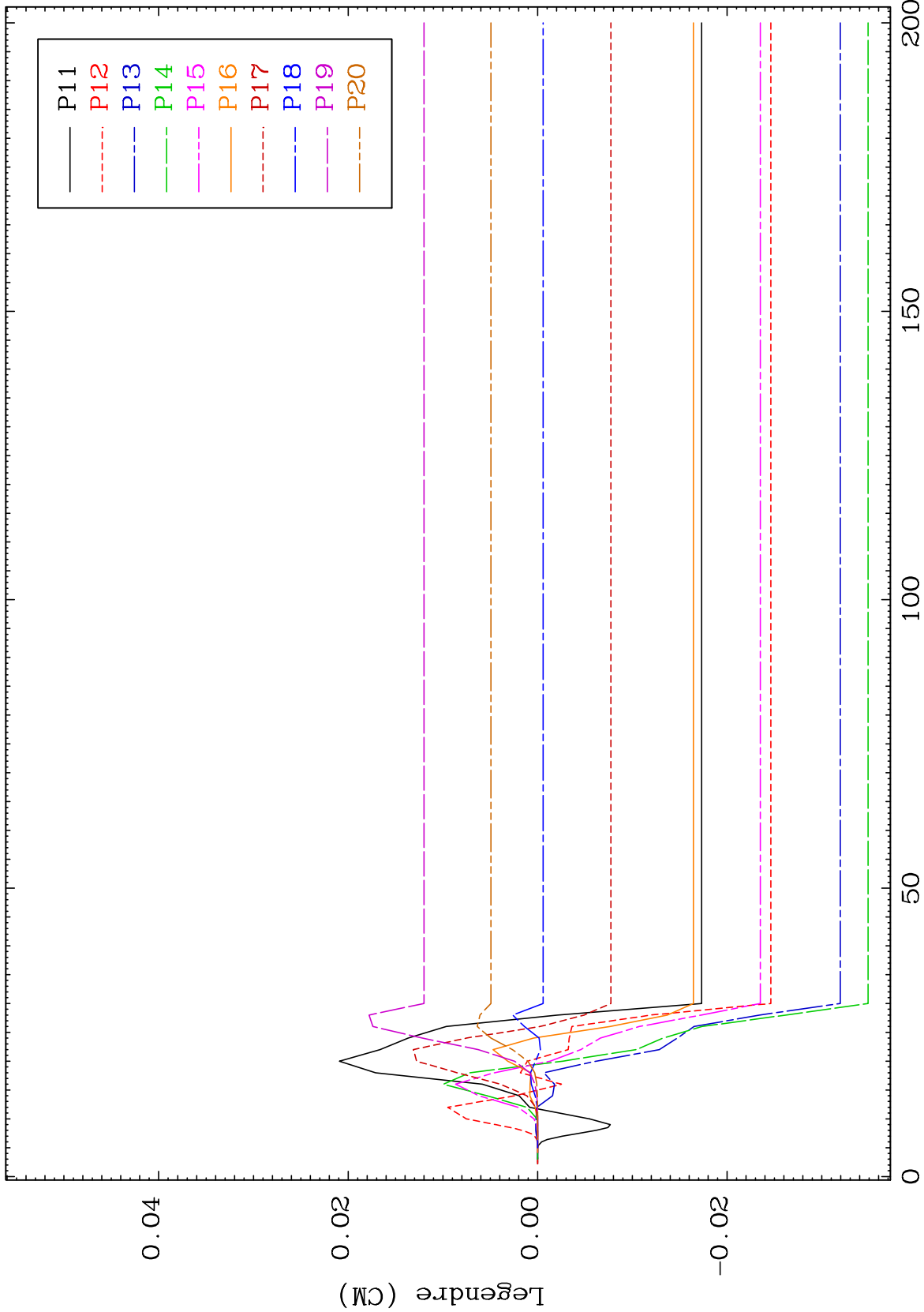




MAT 81113

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

81-T1-199



67

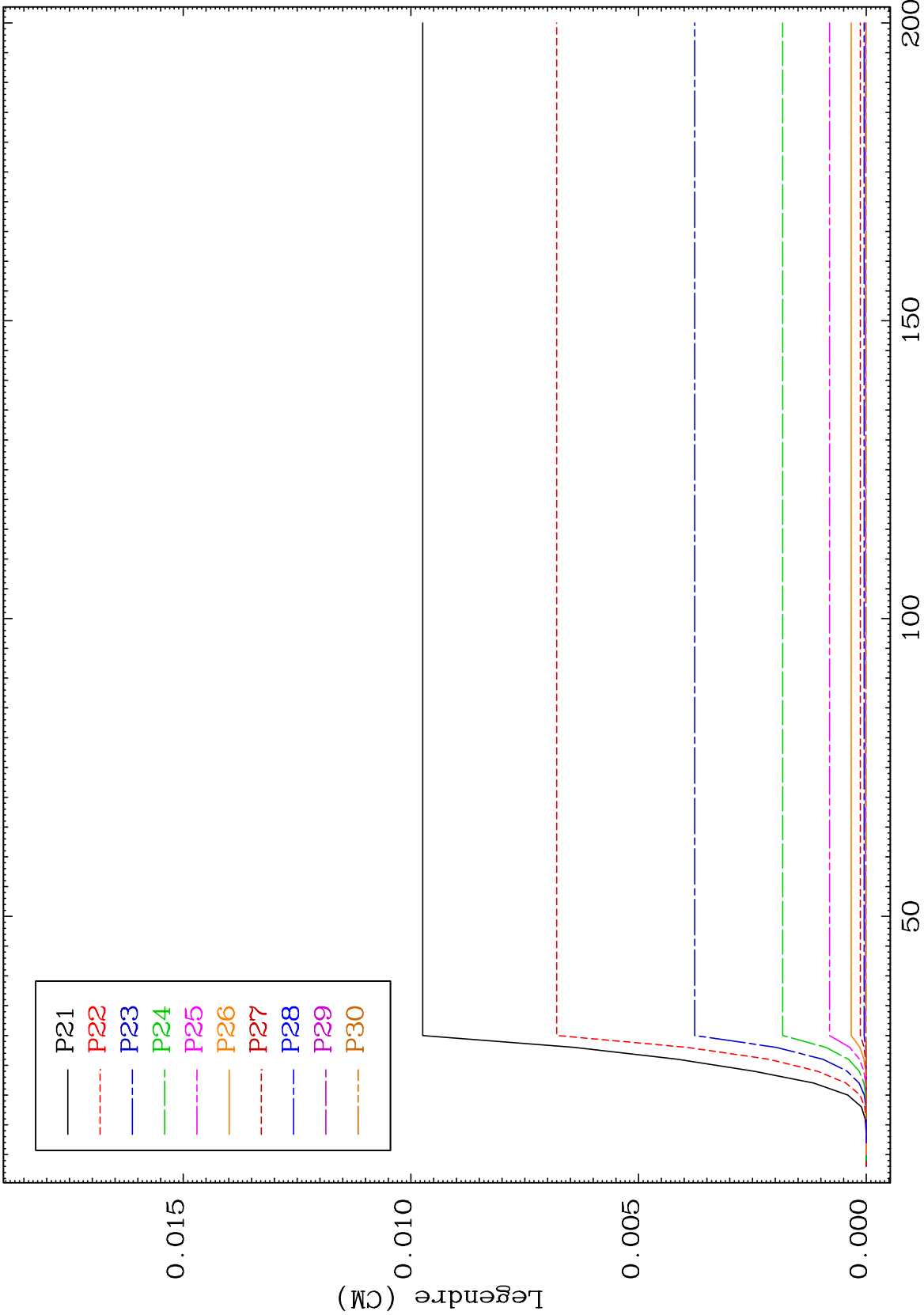
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



68

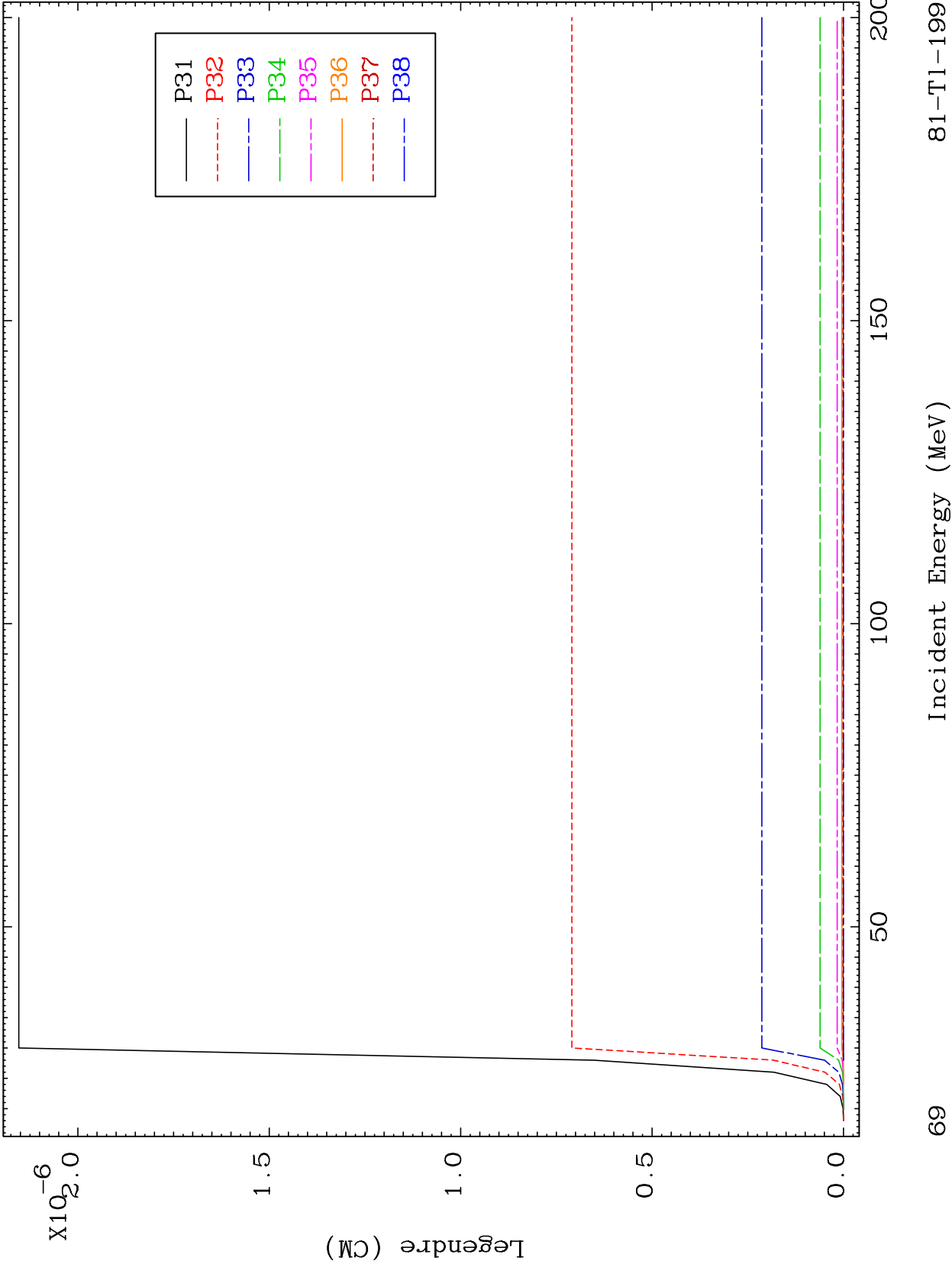
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-T1-199



69

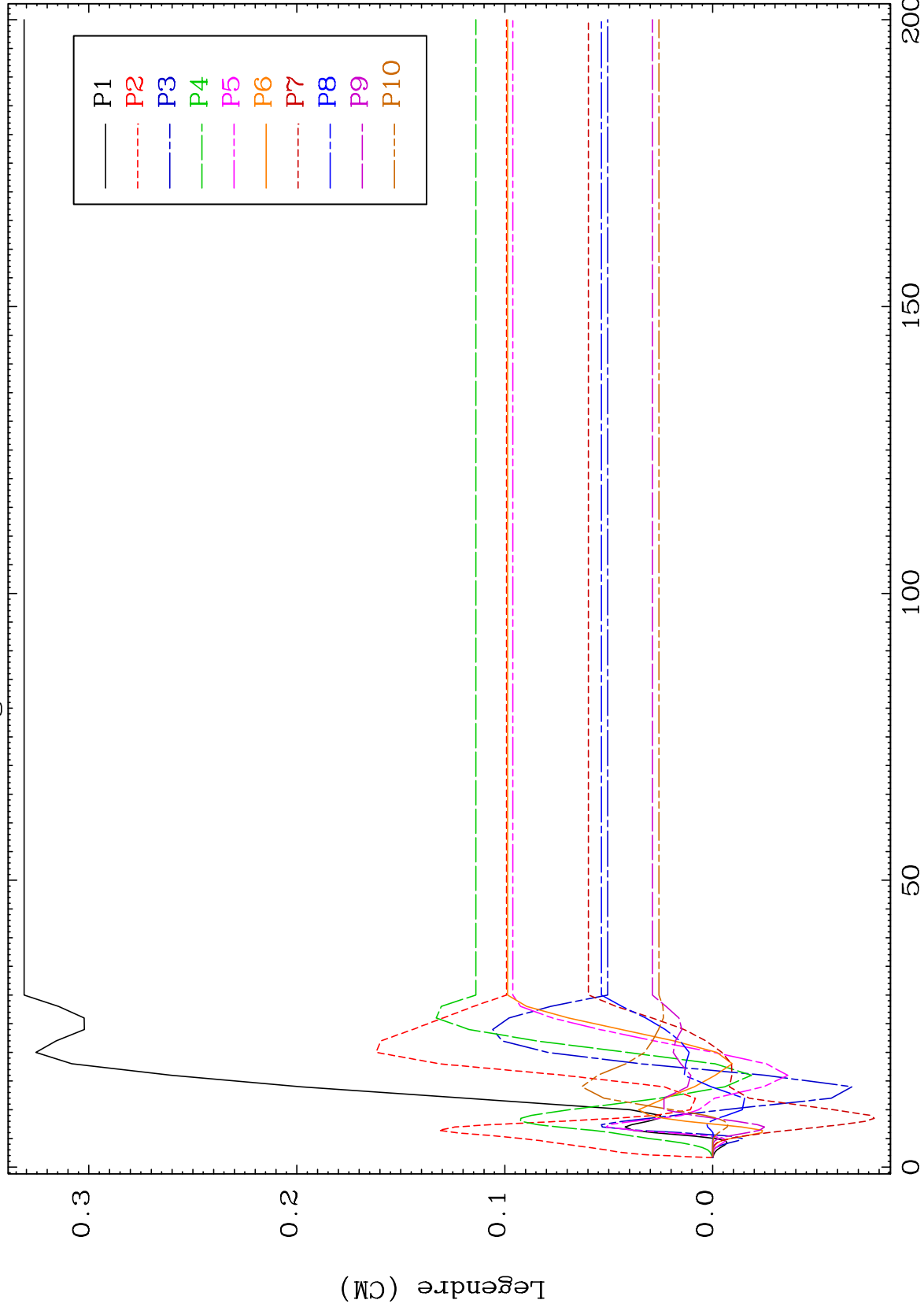
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



81-T1-199

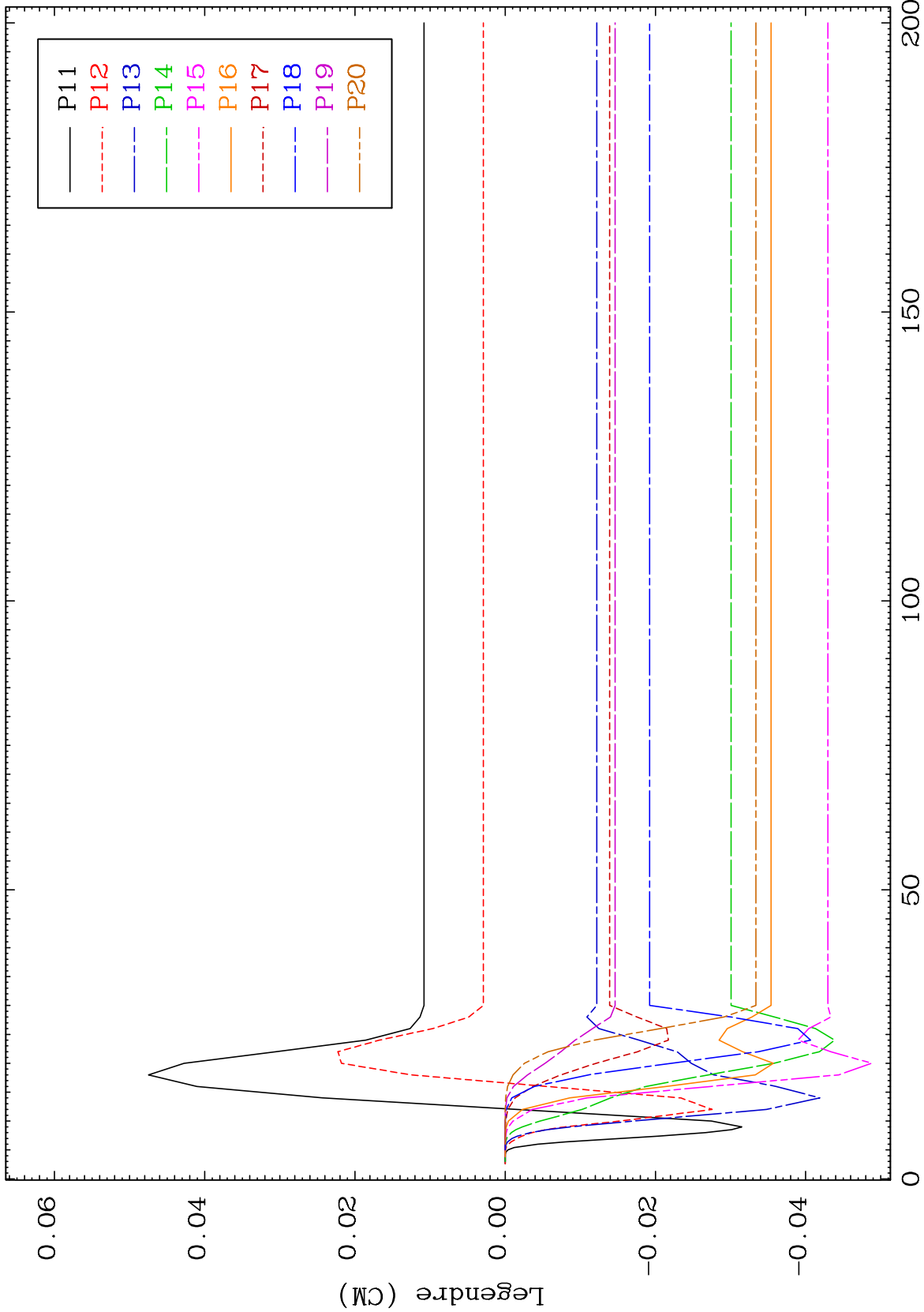
Incident Energy (MeV)

70

MAT 81113

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

81-T1-199



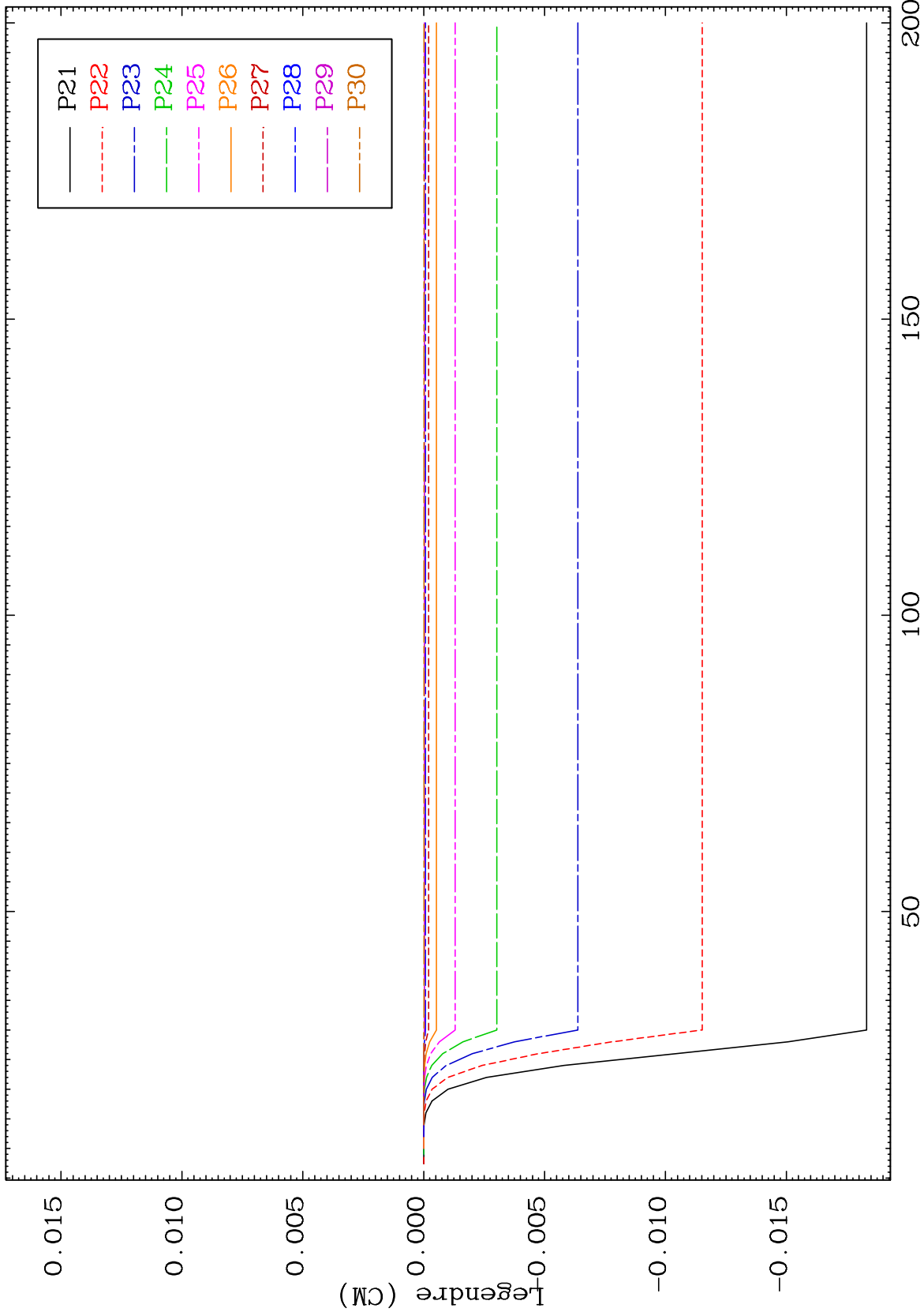
71

81-T1-199

MAT 81113

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

81-T1-199



72

Incident Energy (MeV)

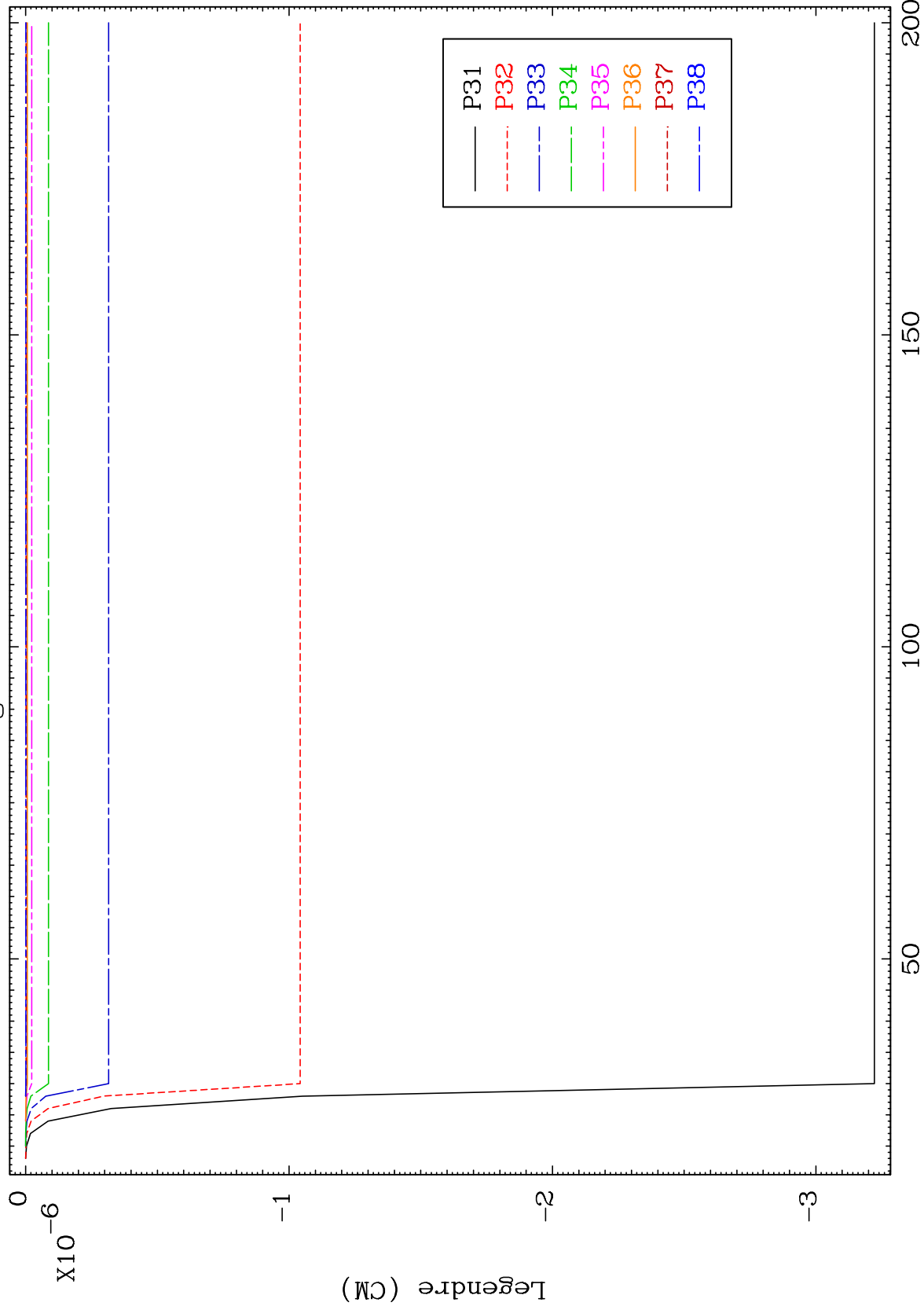
81-T1-199

MAT 8113

MT= 64 (n,n') Level

81-T1-199

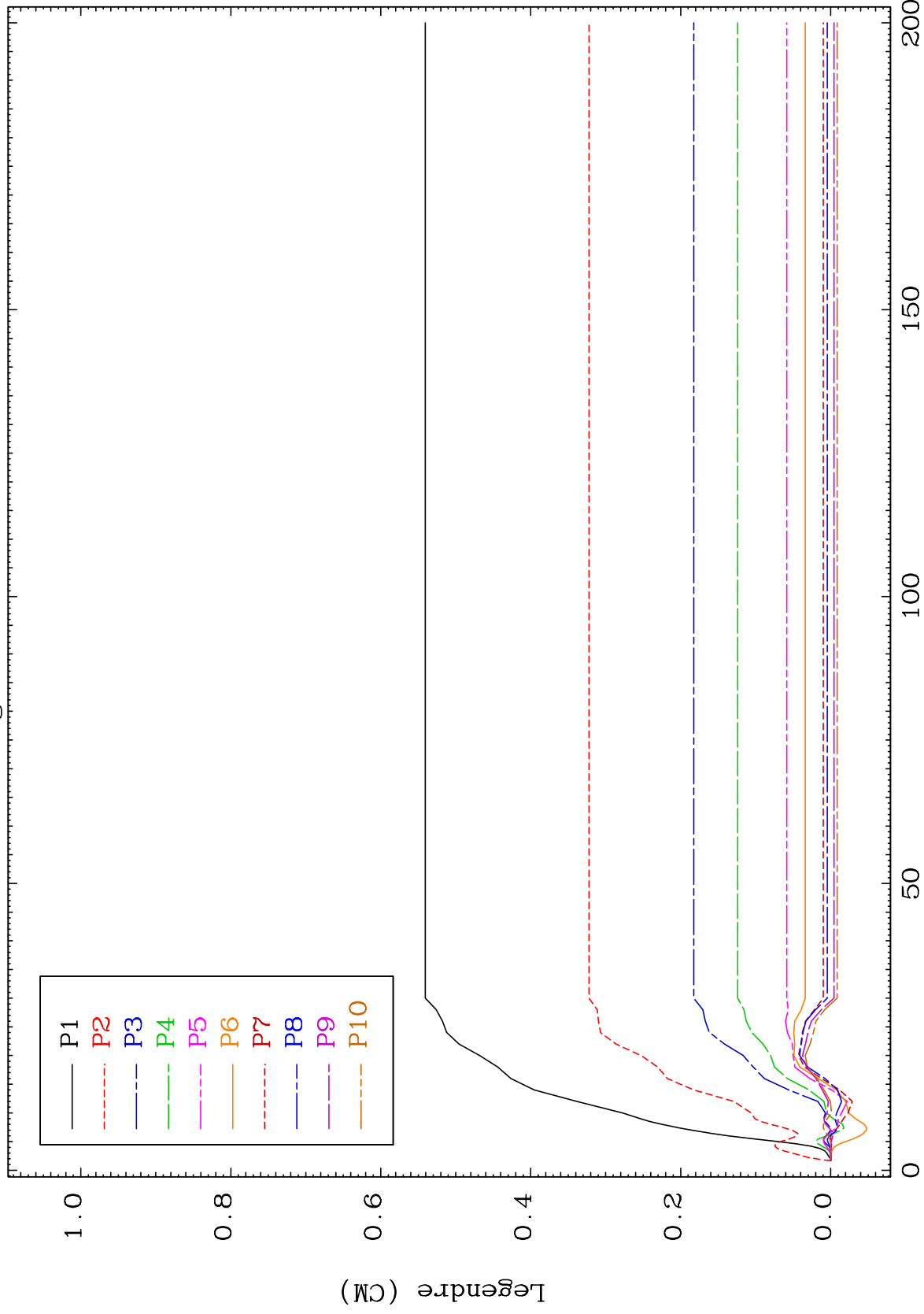
Legendre Coefficients



73

Incident Energy (MeV)

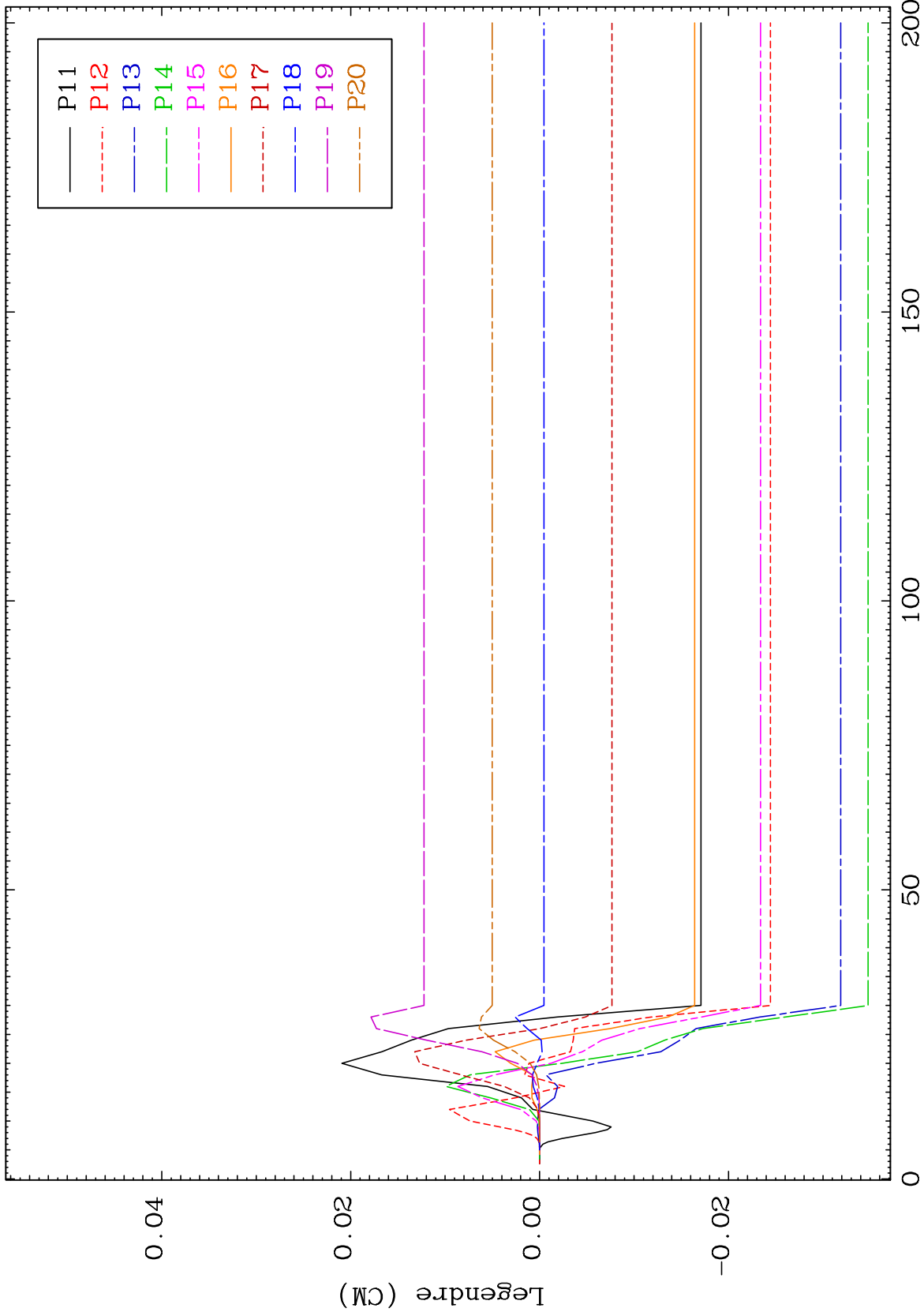
81-T1-199



MAT 81113

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

81-T1-199



75

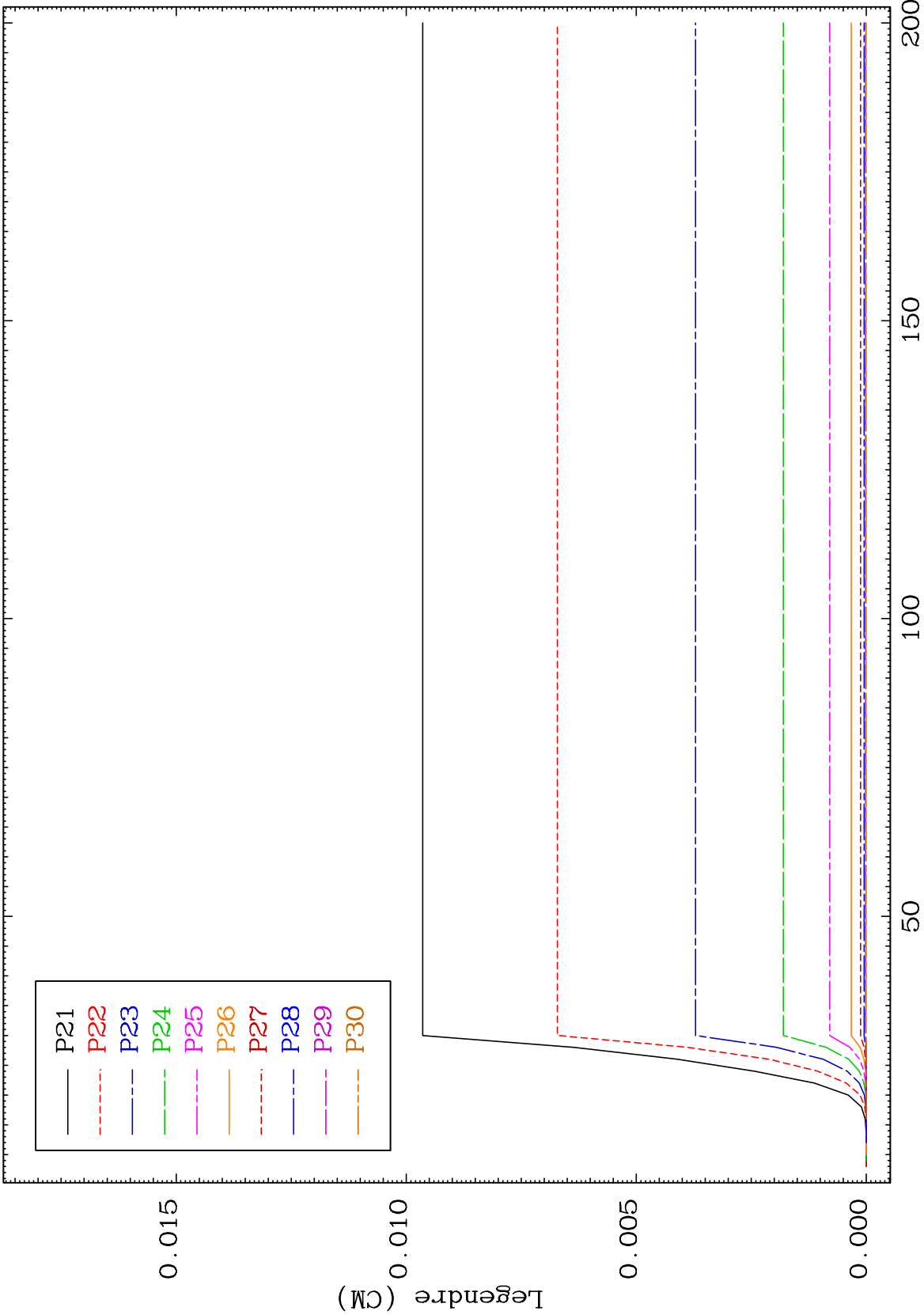
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-Tl-199



76

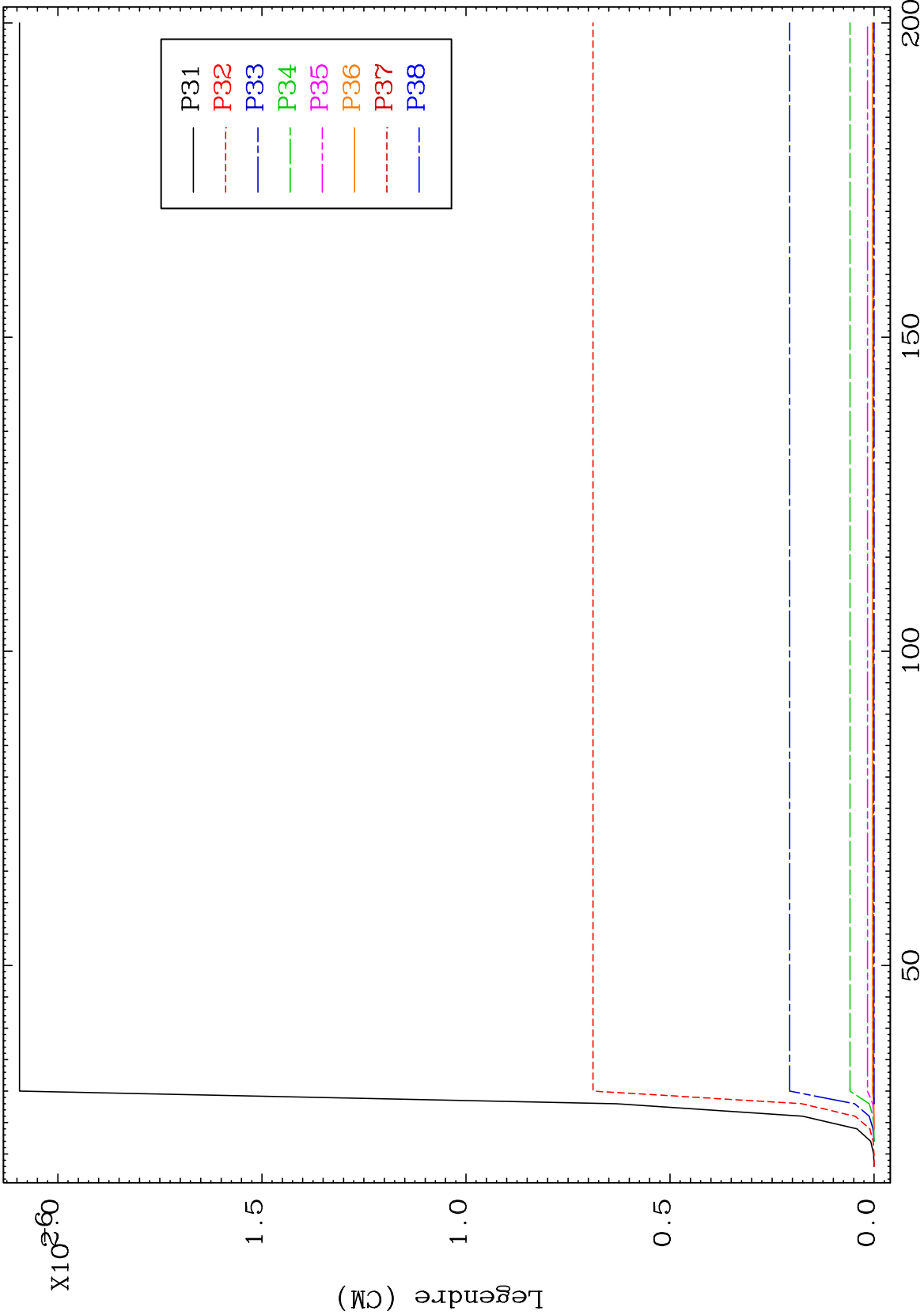
Incident Energy (MeV)

81-Tl-199

MAT 8113

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

81-T1-199



77

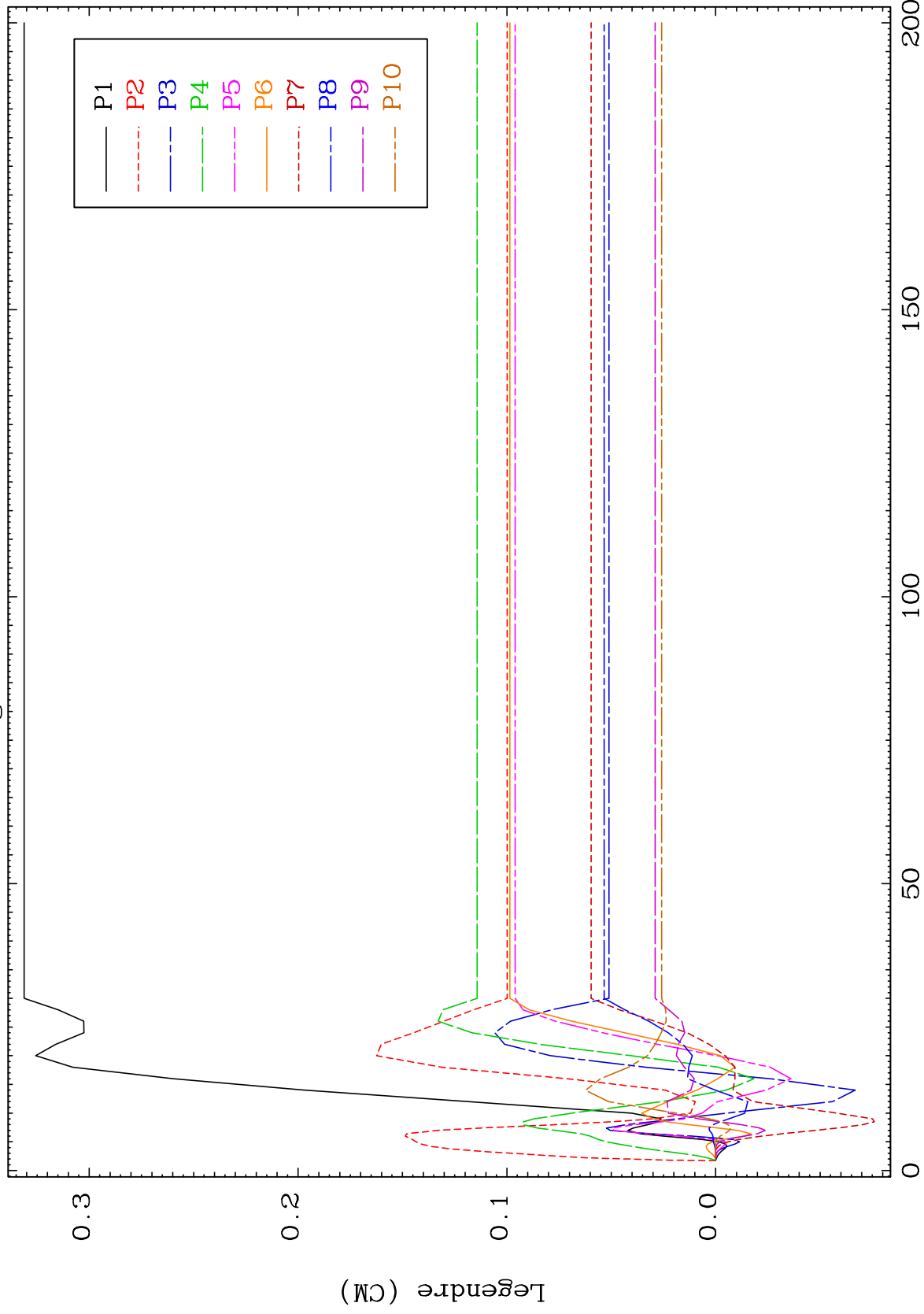
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-T1-199



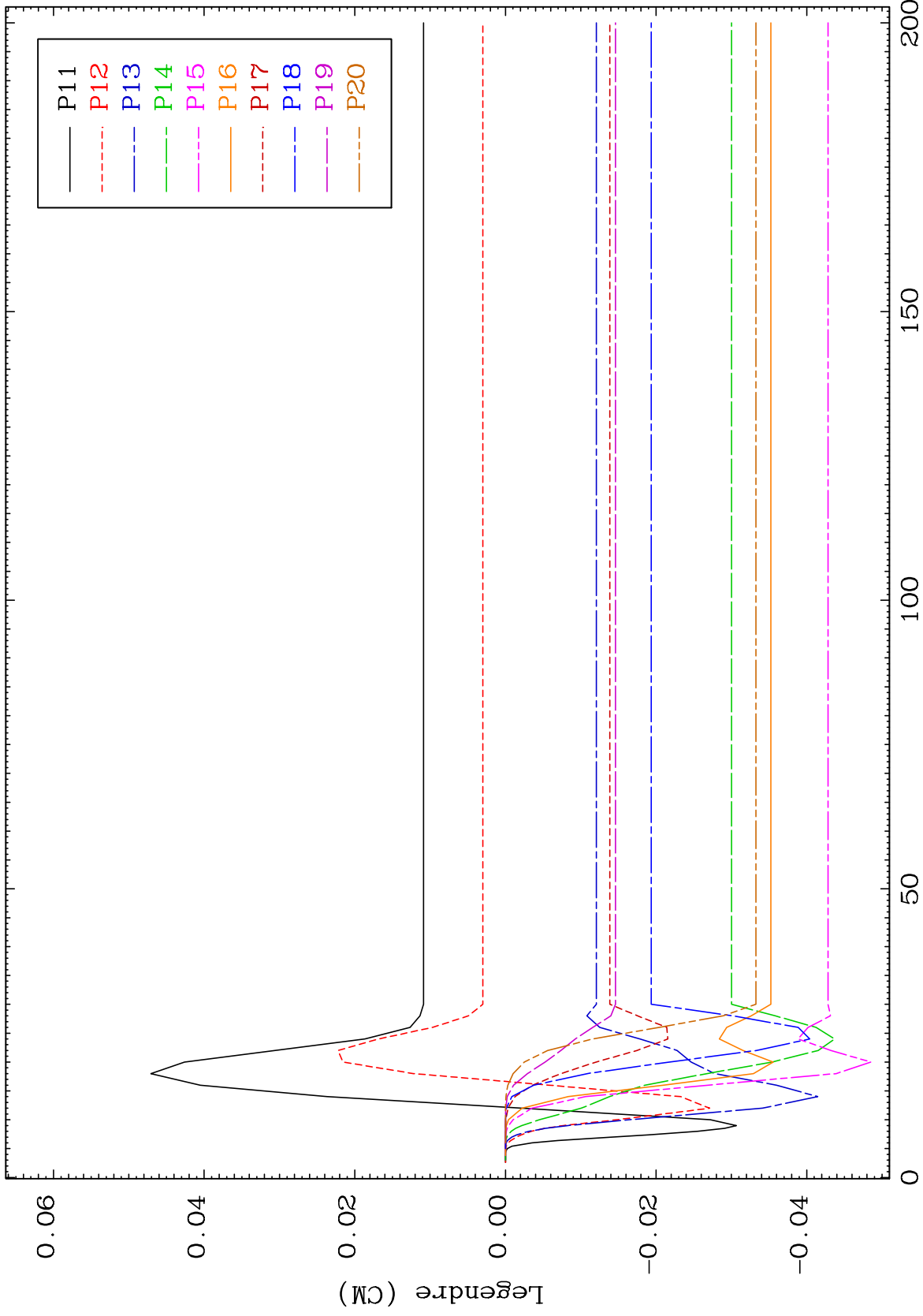
78

81-T1-199

MAT 81113

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

81-T1-199



79

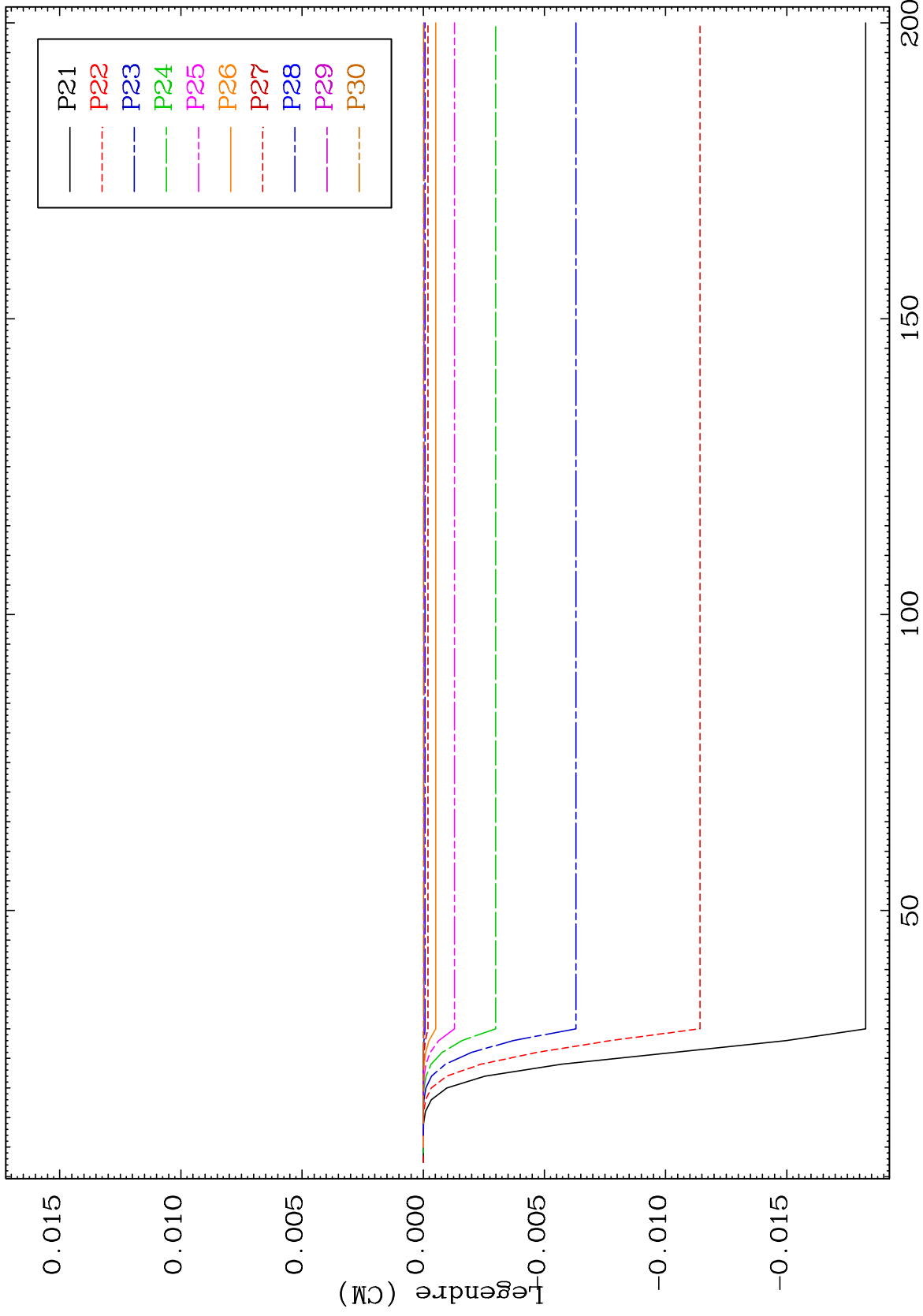
Incident Energy (MeV)

81-T1-199

MAT 81113

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

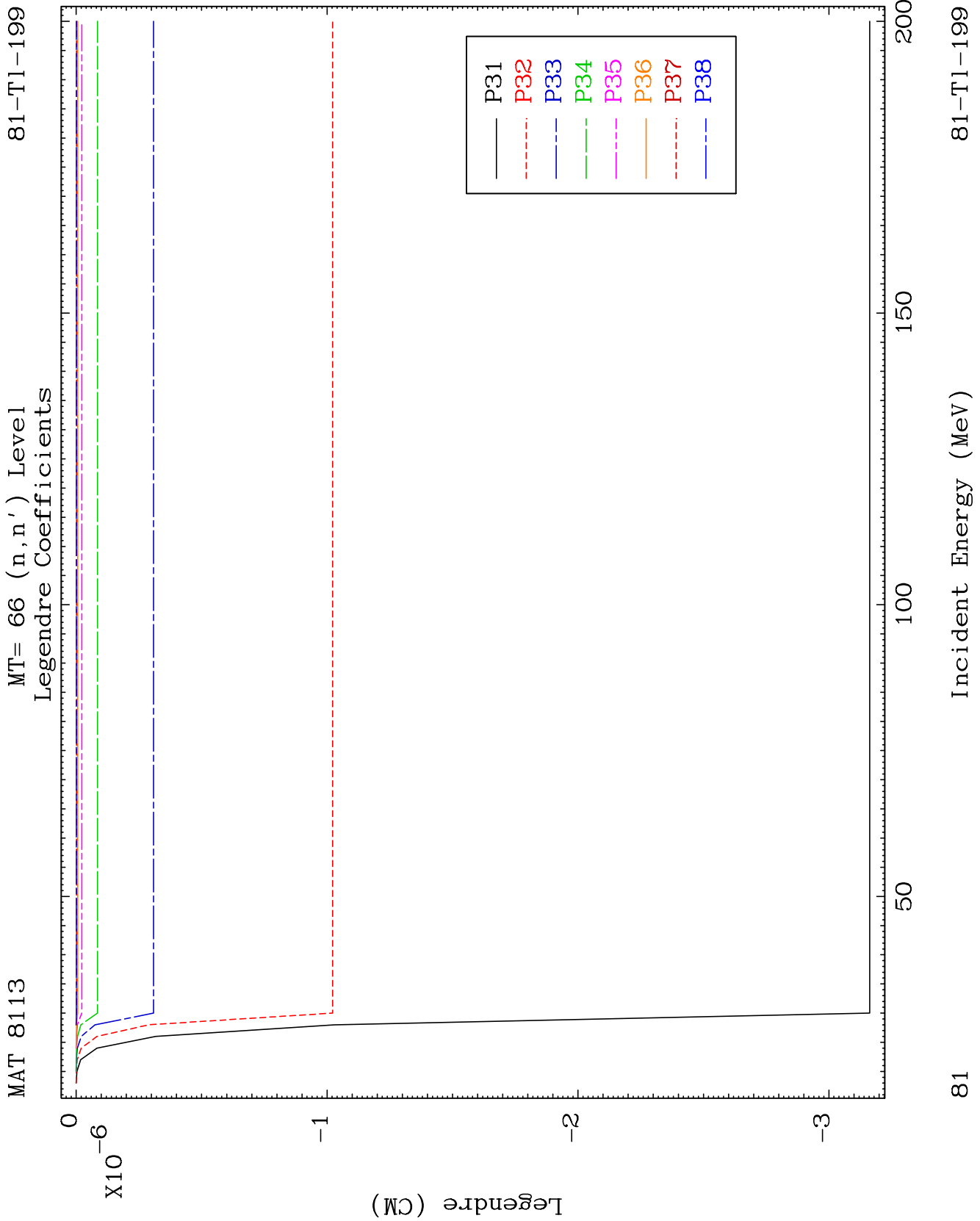
81-T1-199



80

Incident Energy (MeV)

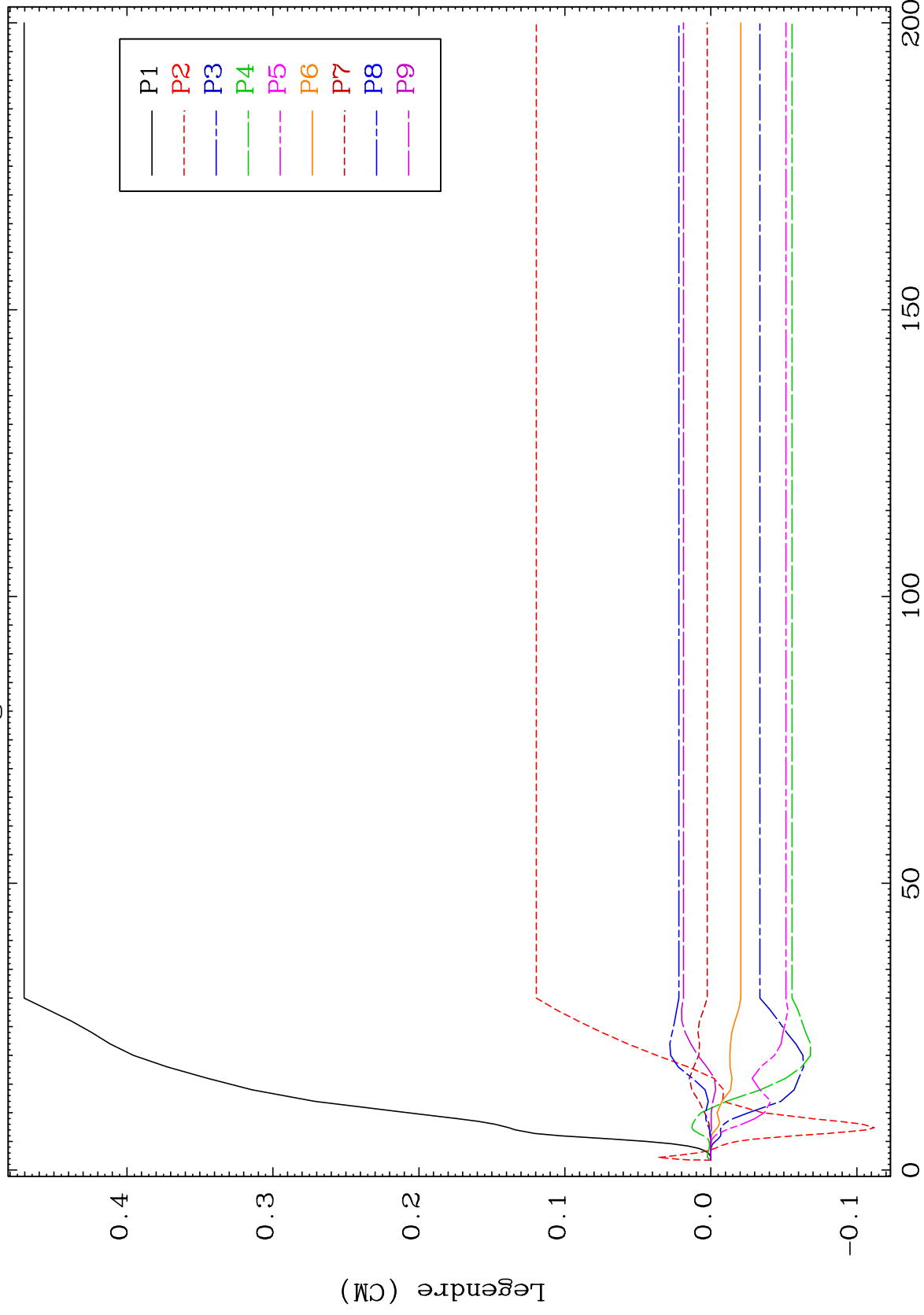
81-T1-199



MAT 81113

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

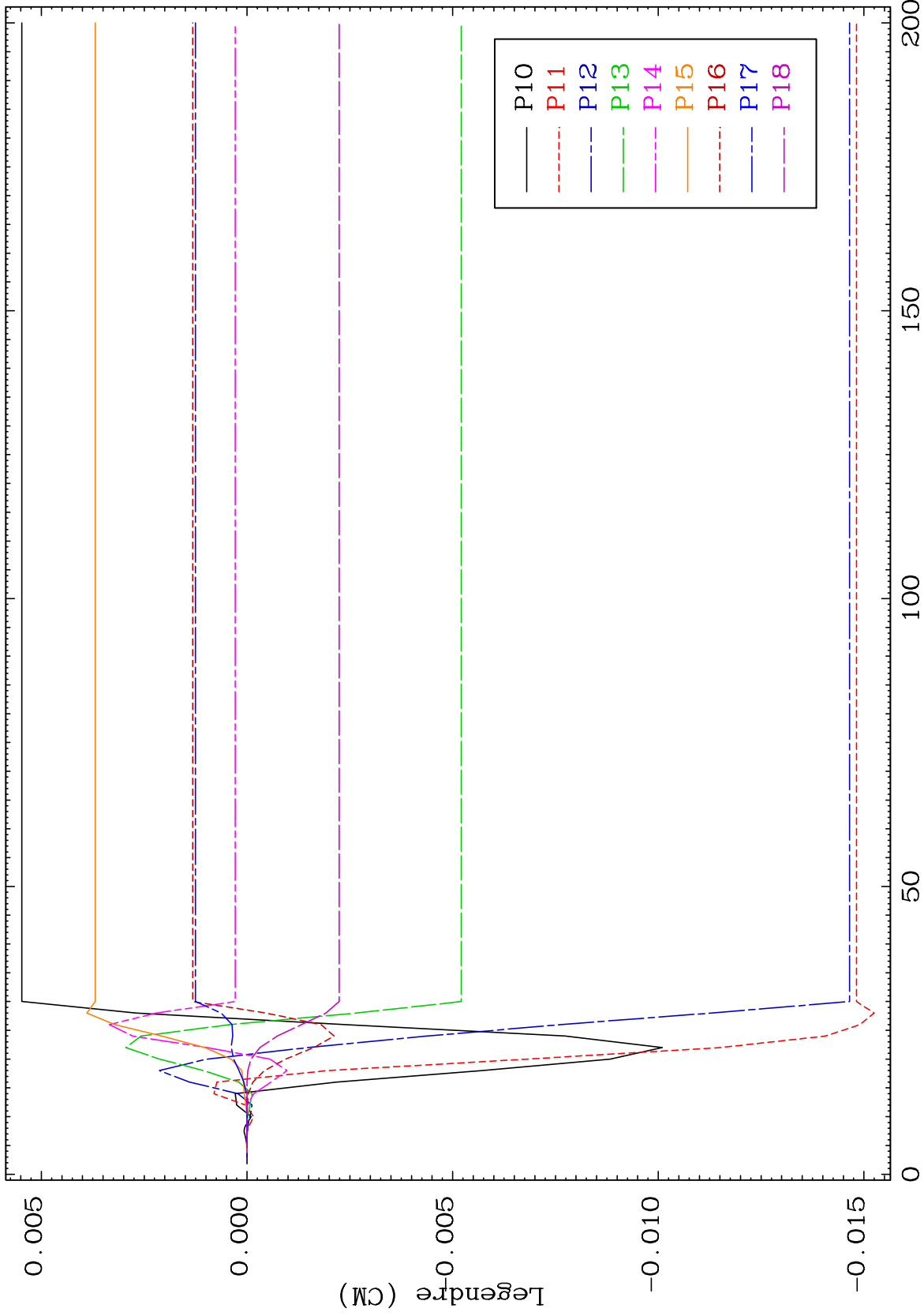
81-T1-199



82

Incident Energy (MeV)

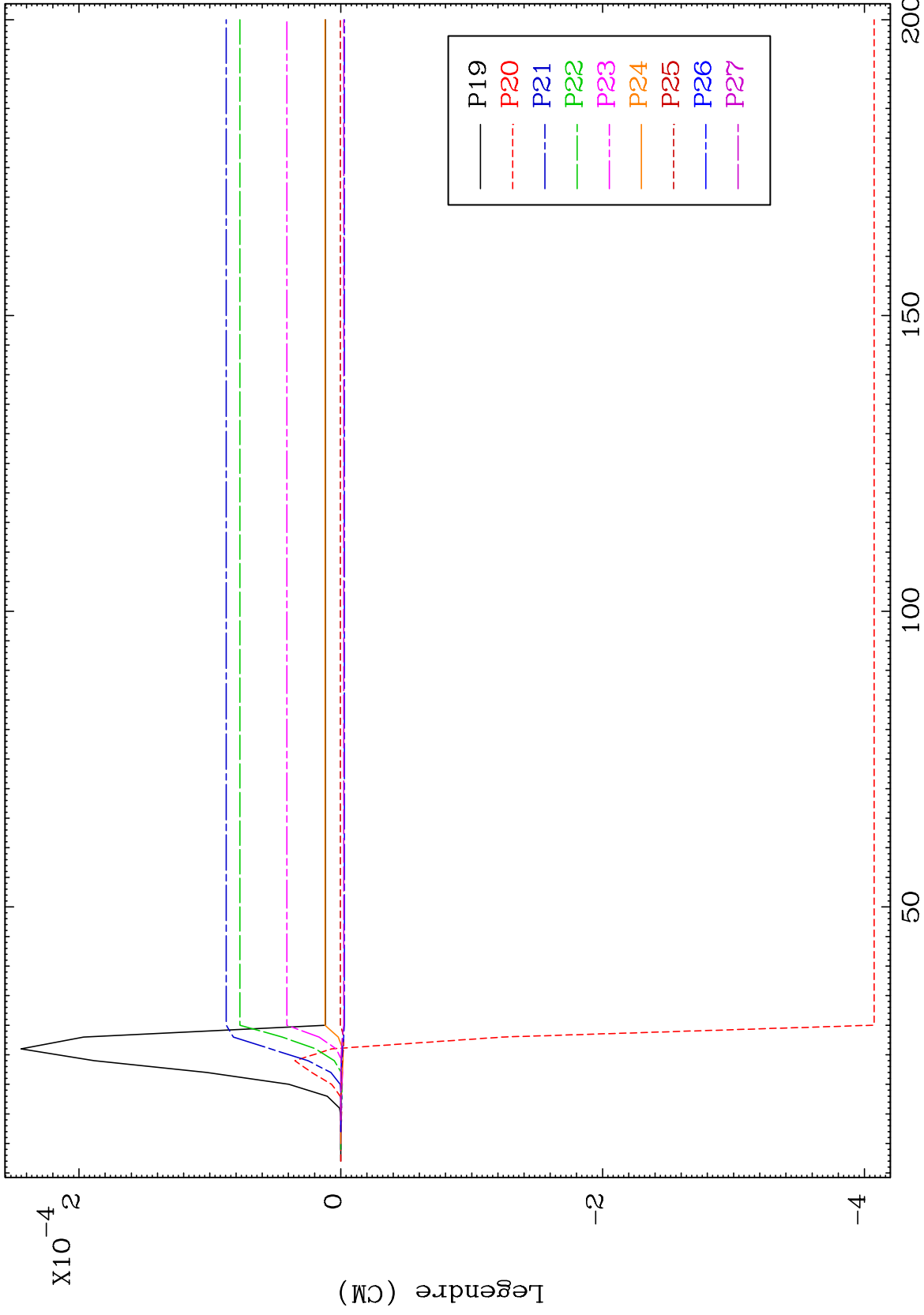
81-T1-199



MAT 81113

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

81-T1-199



84

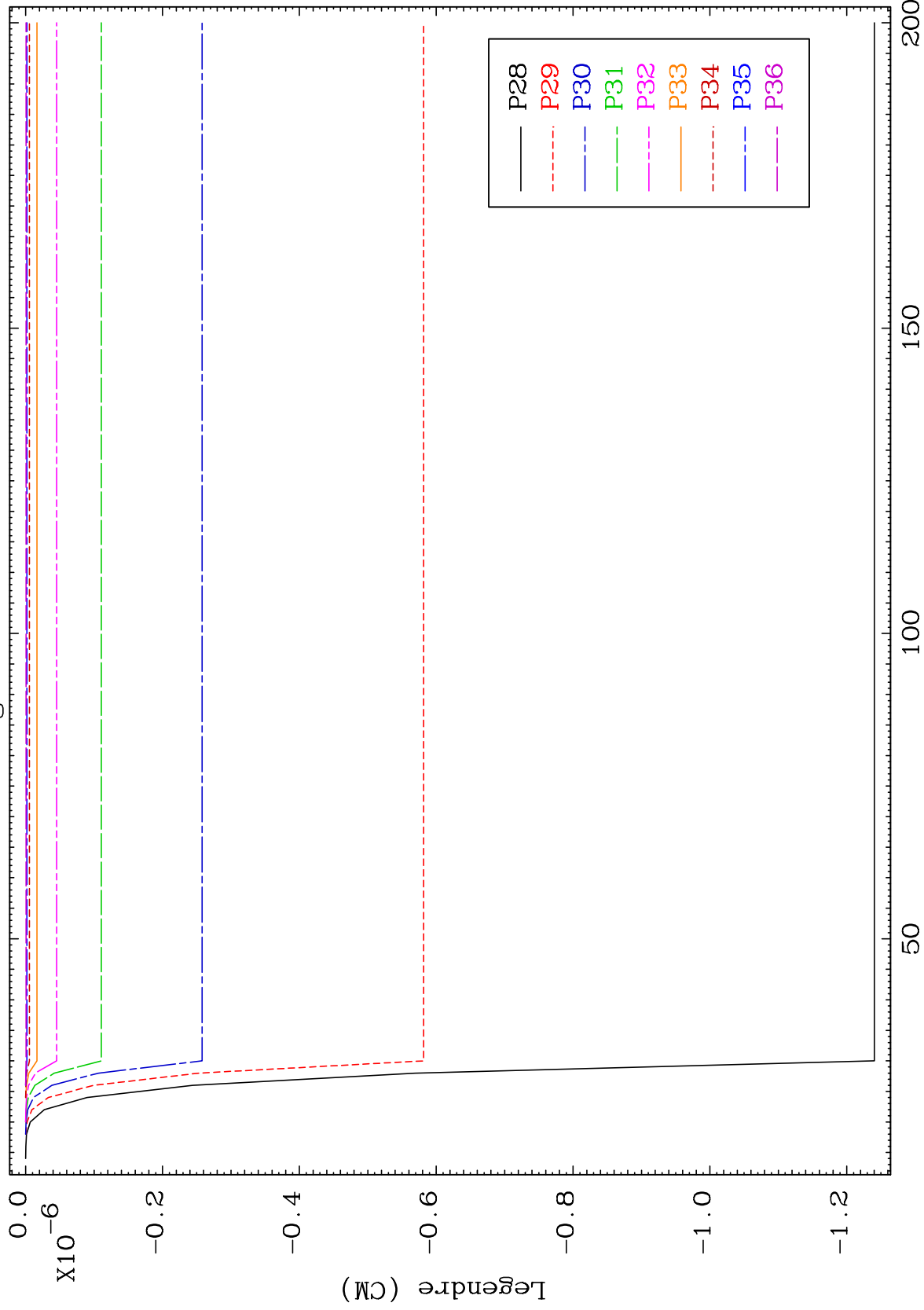
Incident Energy (MeV)

81-T1-199

MAT 81113

81-Tl-199

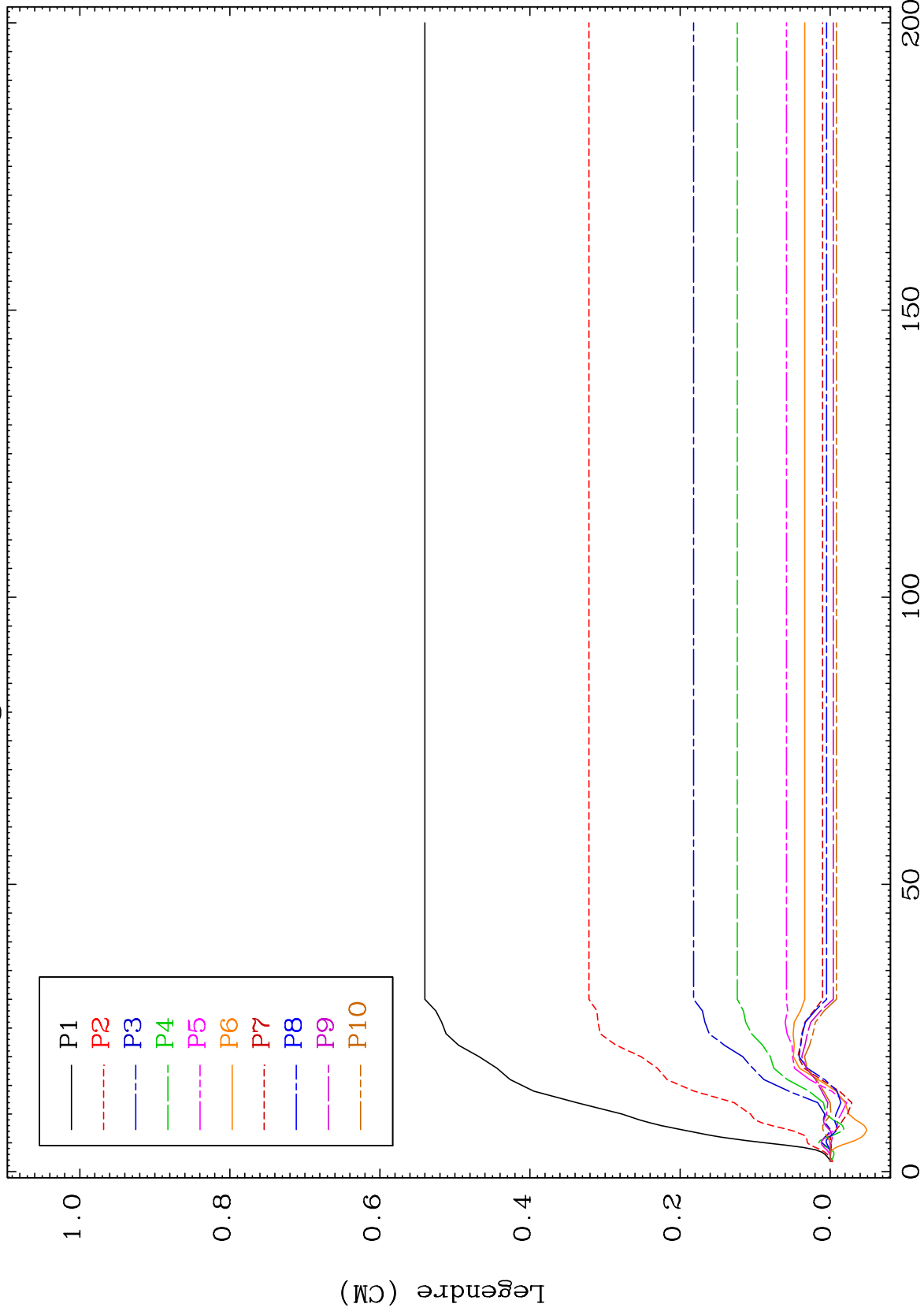
MT= 67 (n,n') Level
Legendre Coefficients



85

Incident Energy (MeV)

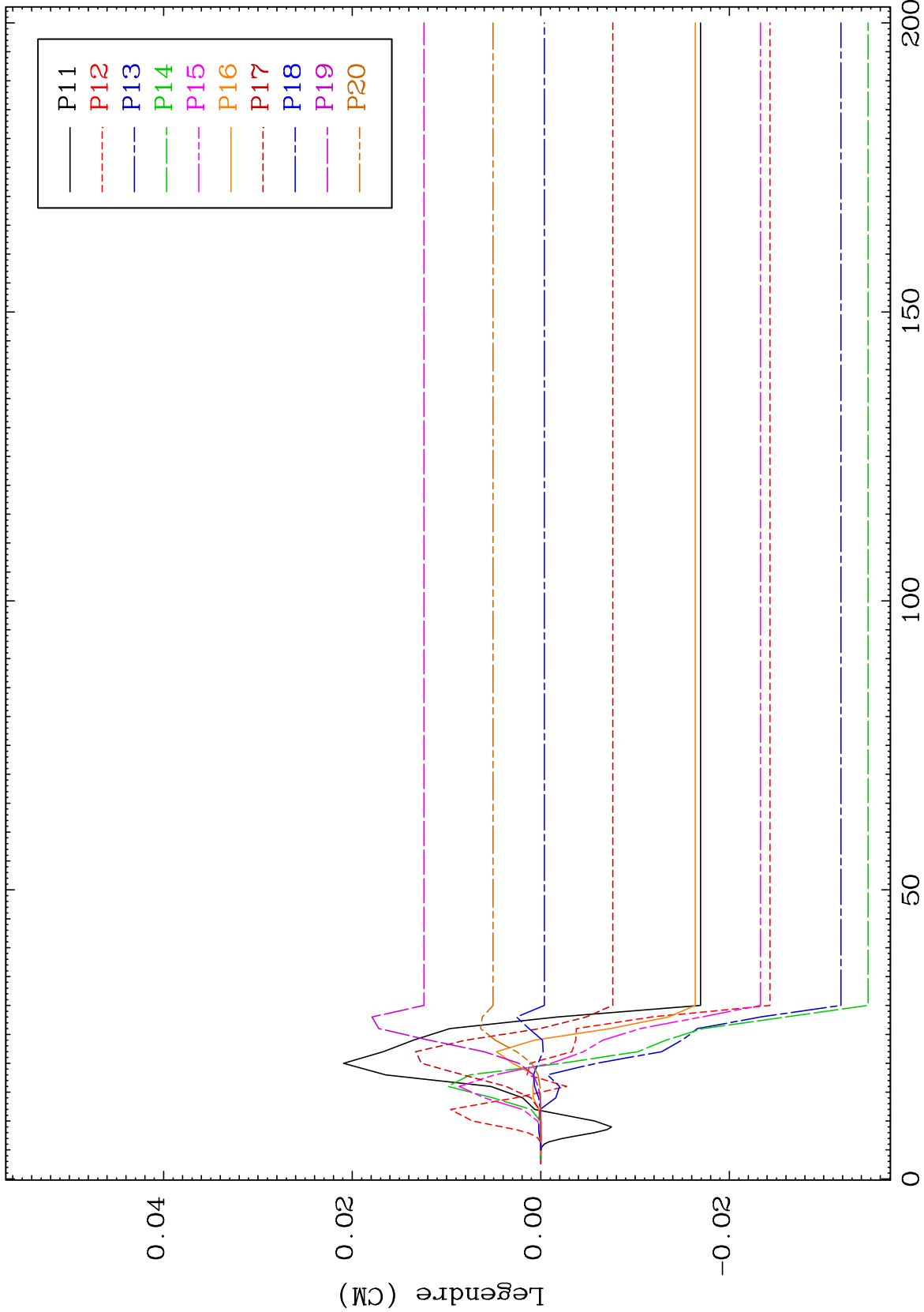
81-Tl-199



MAT 81113

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

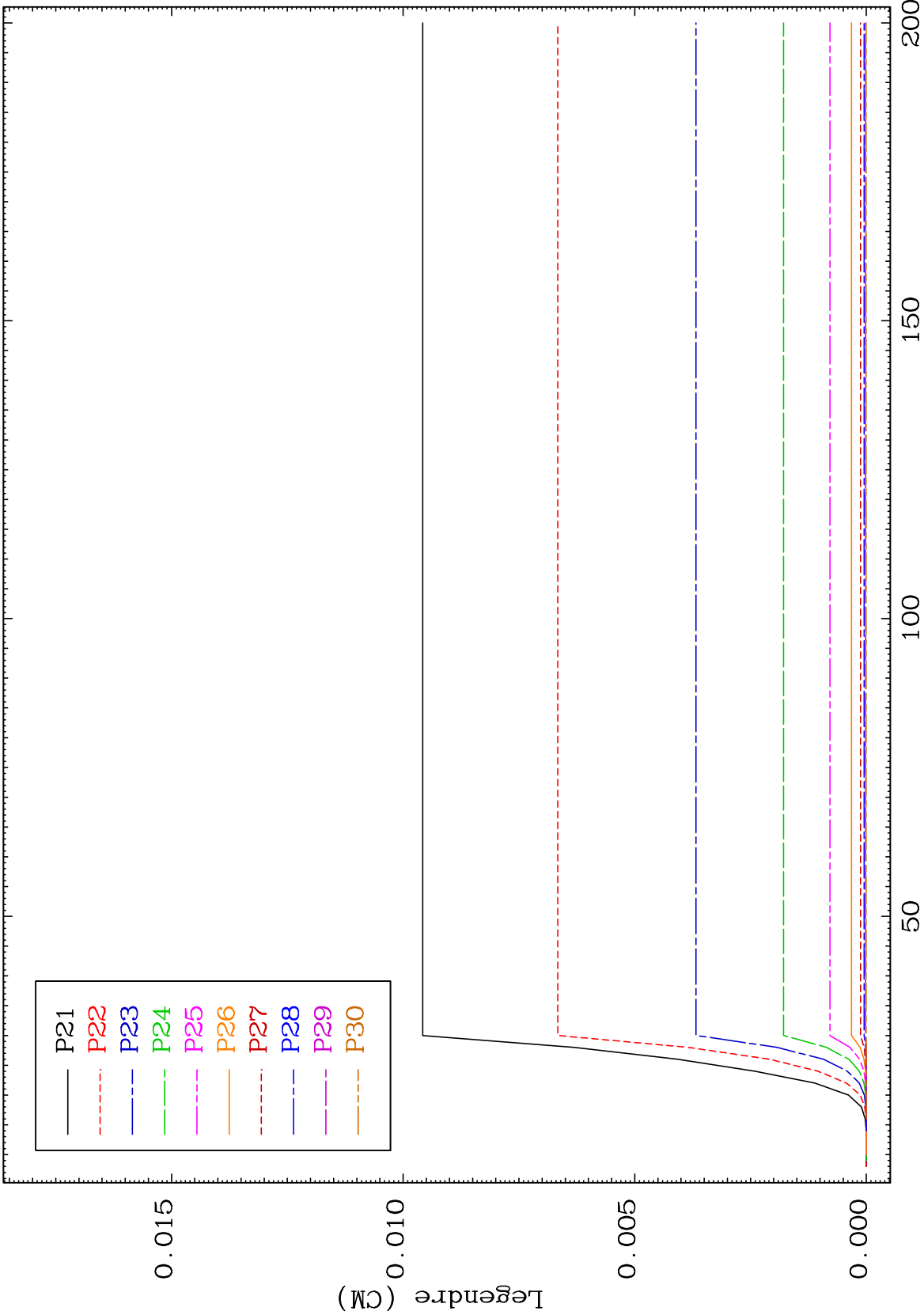
81-T1-199



87

Incident Energy (MeV)

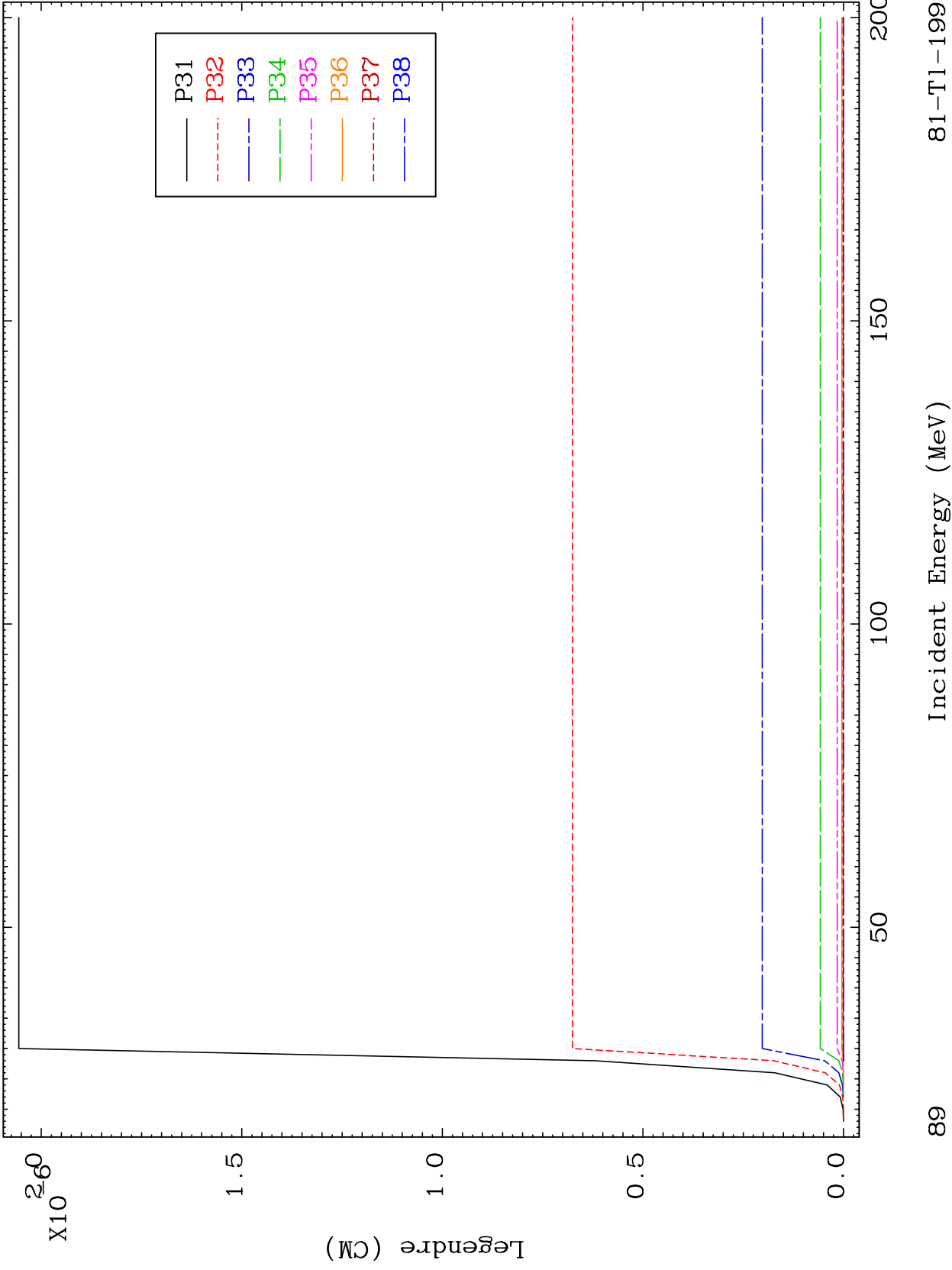
81-T1-199



MAT 81113

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

81-T1-199



89

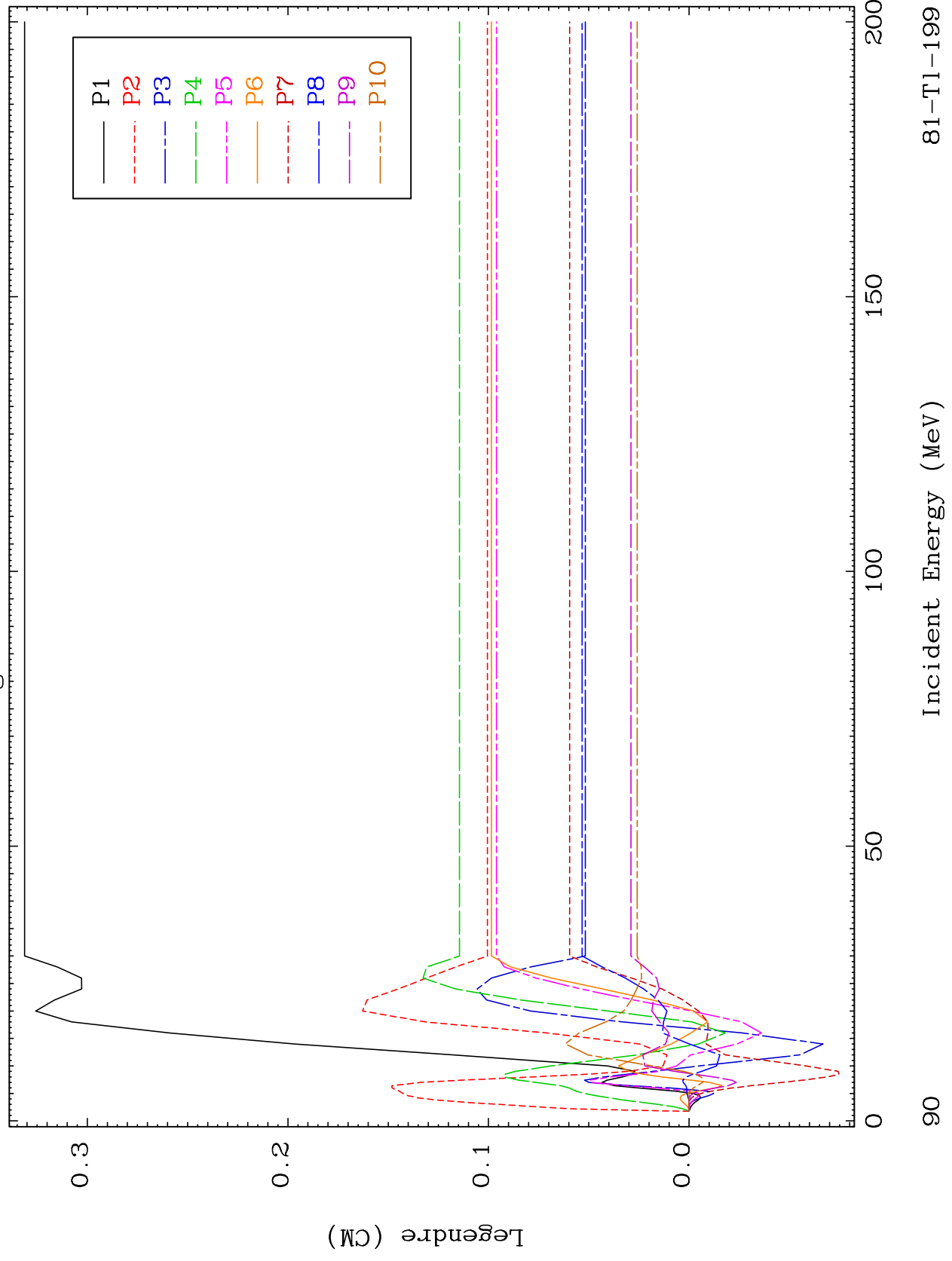
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-T1-199



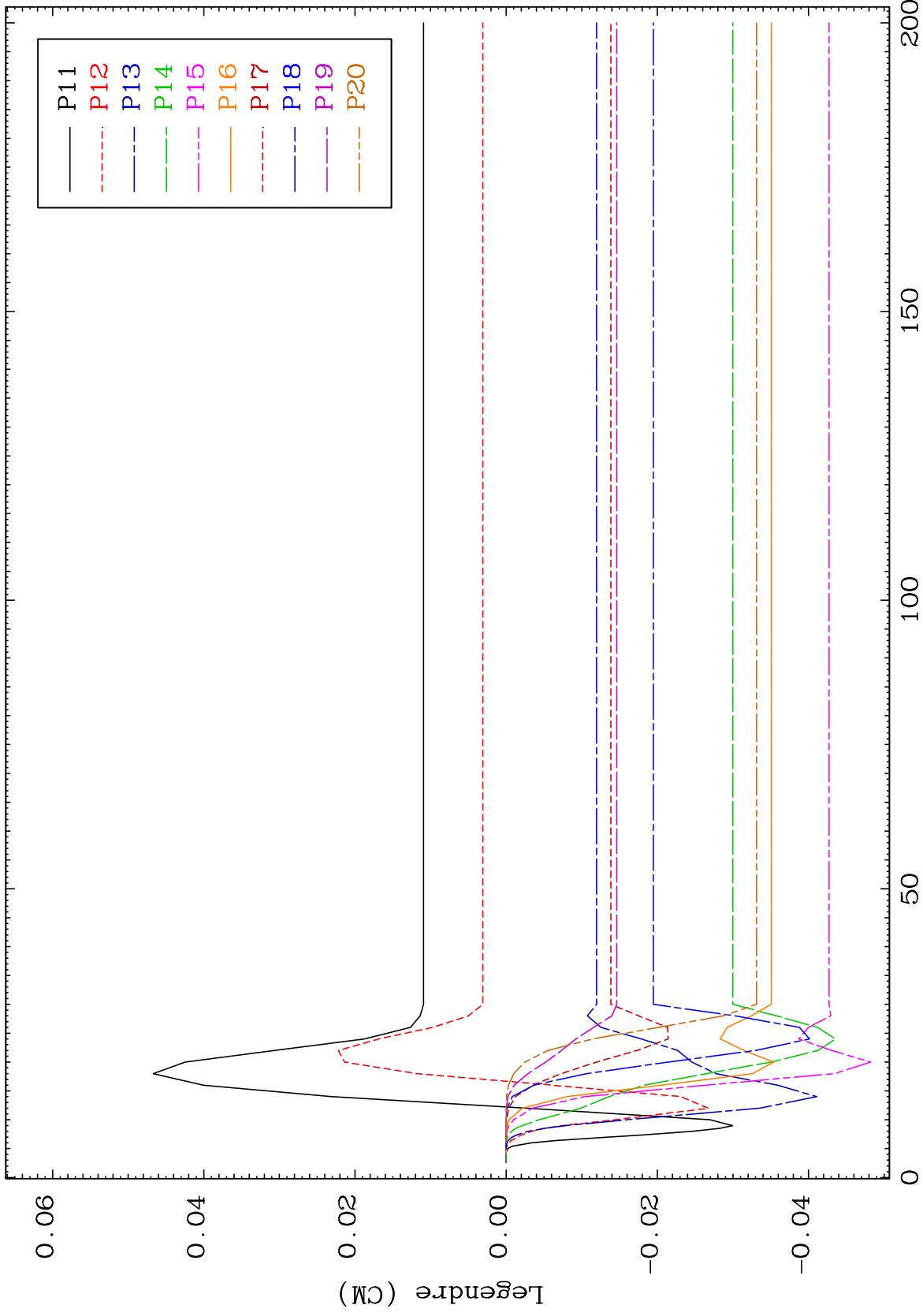
81-T1-199

Incident Energy (MeV)

MAT 81113

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

81-T1-199



91

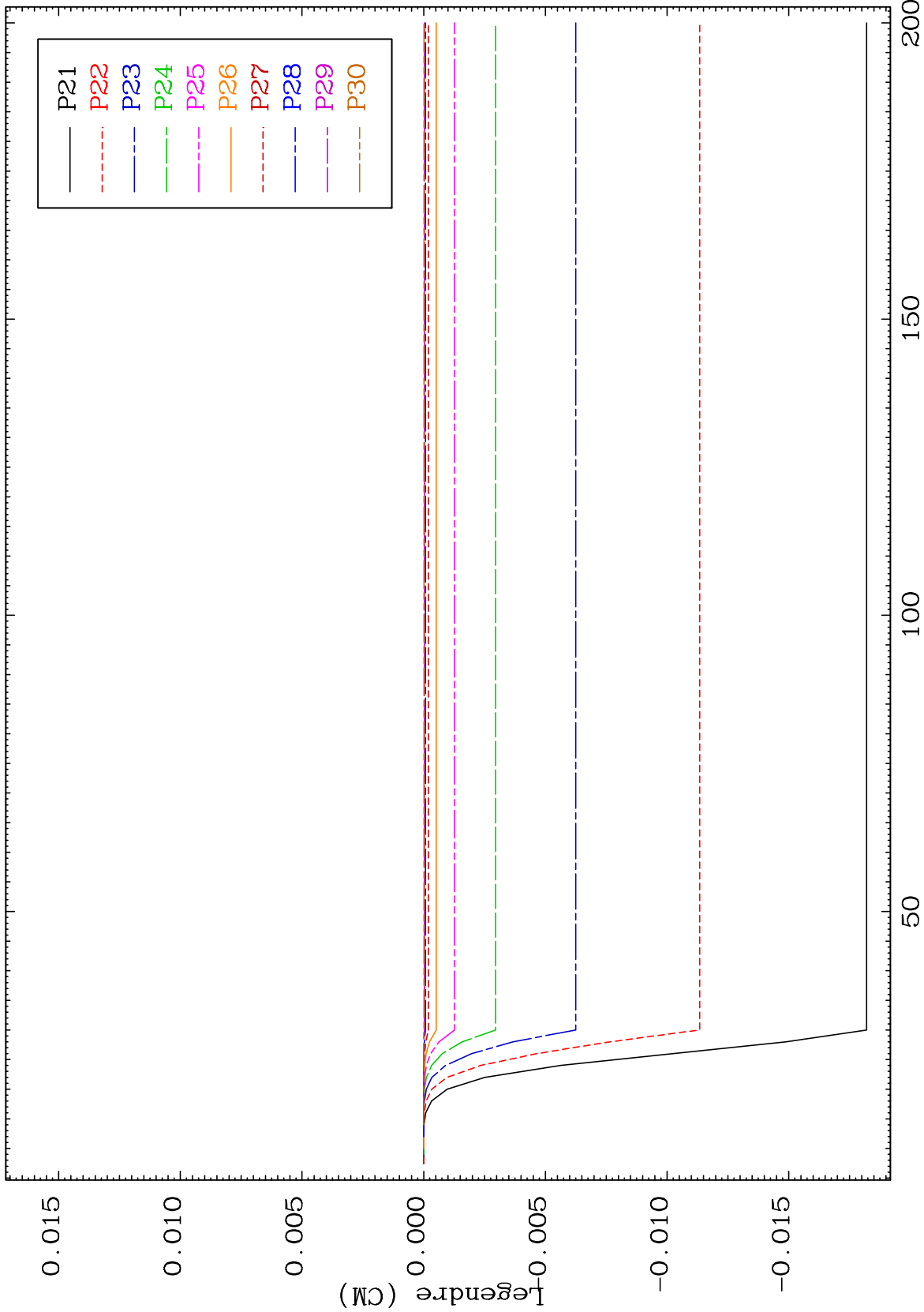
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-T1-199



92

Incident Energy (MeV)

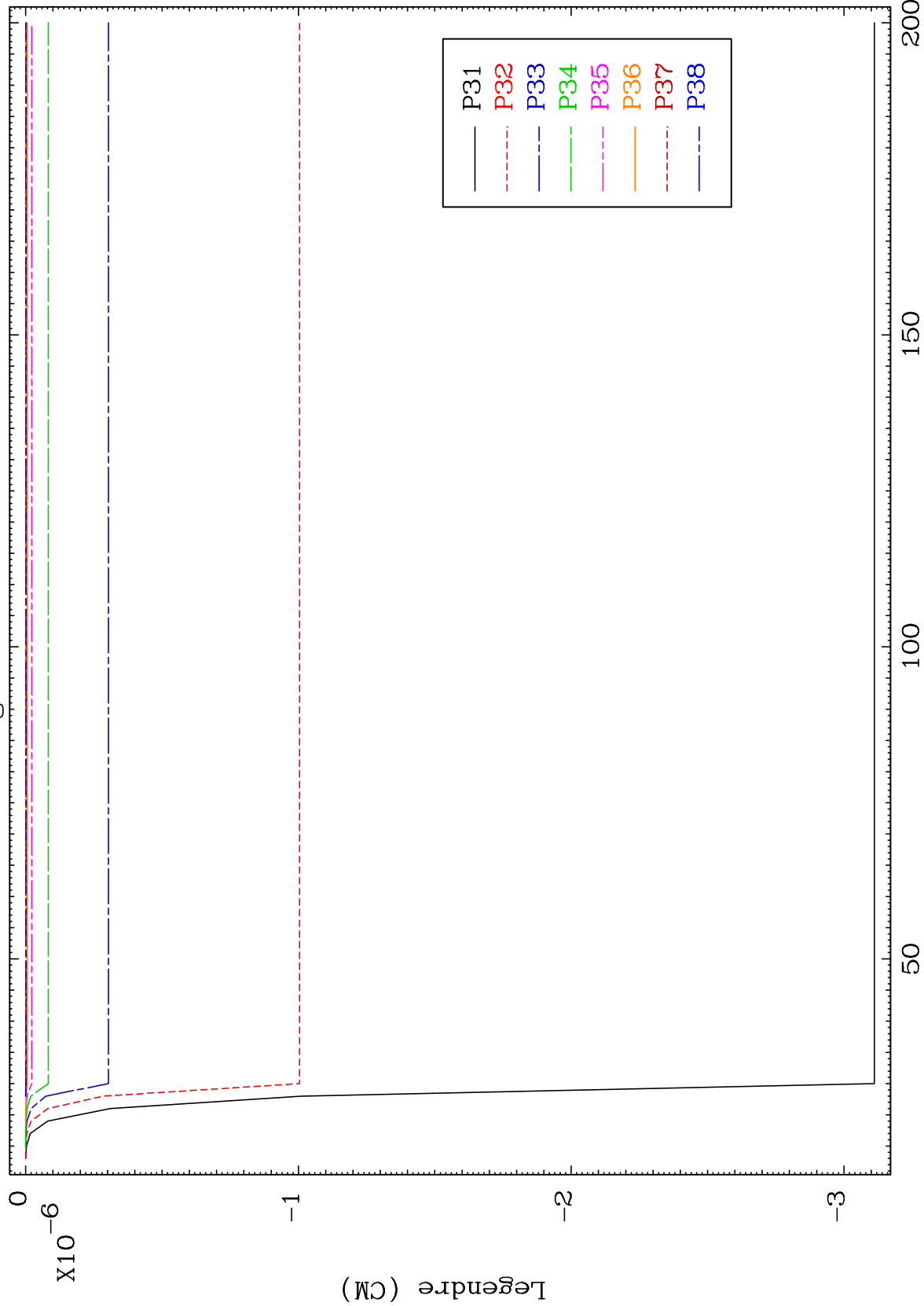
81-T1-199

MAT 8113

MT= 69 (n,n') Level

81-Tl-199

Legendre Coefficients



93

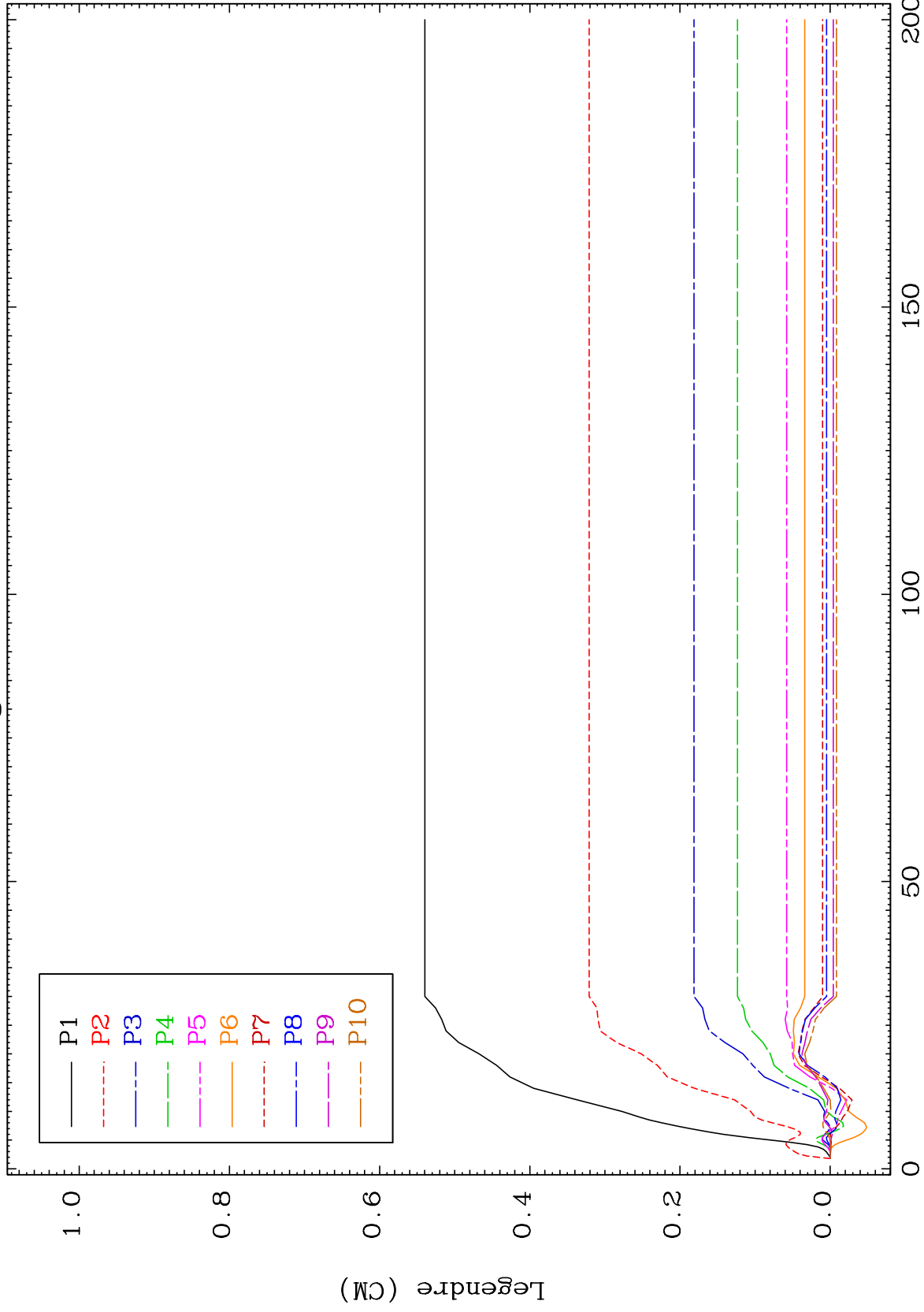
Incident Energy (MeV)

81-Tl-199

MAT 81113

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

81-T1-199



94

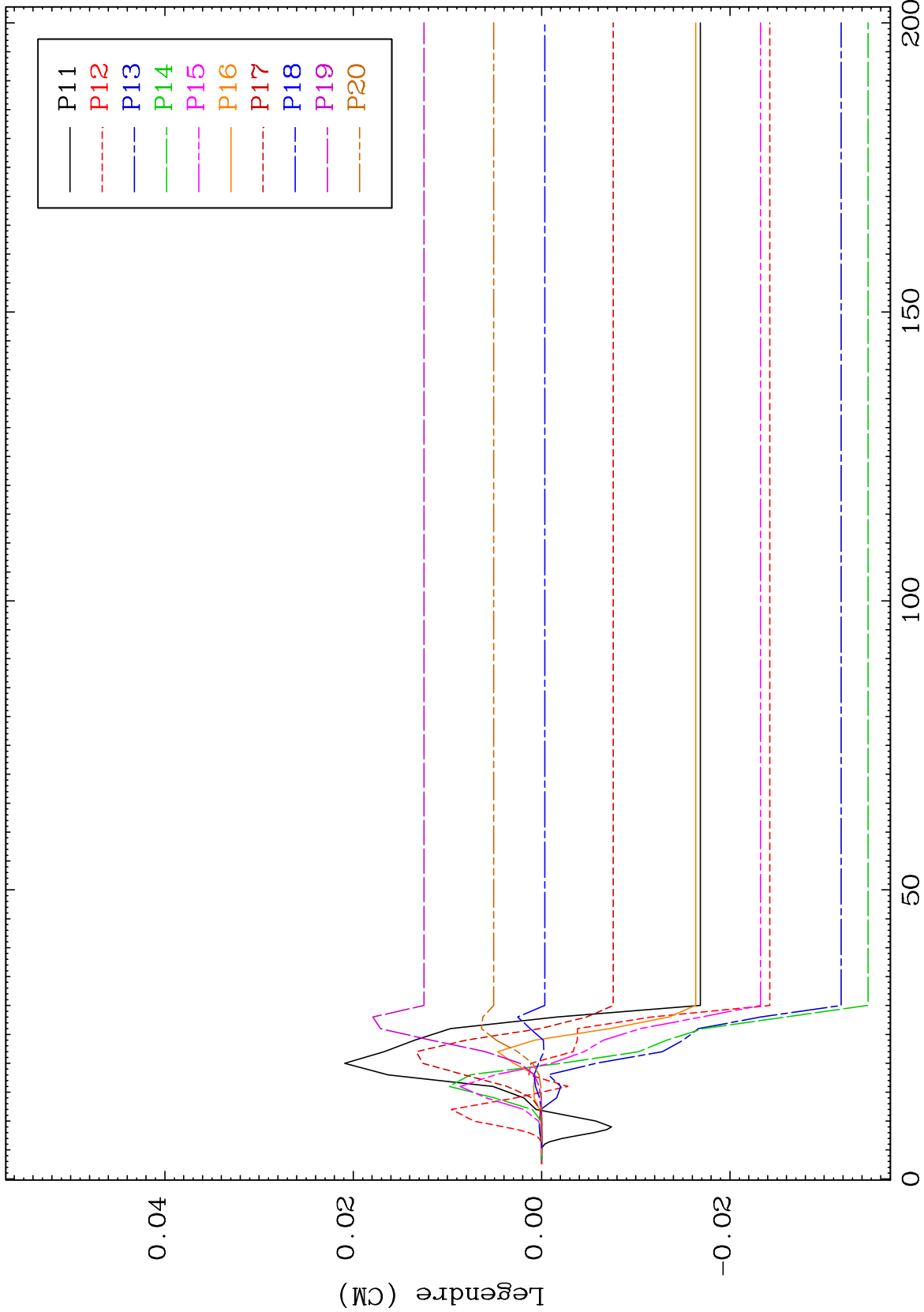
Incident Energy (MeV)

81-T1-199

MAT 81113

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

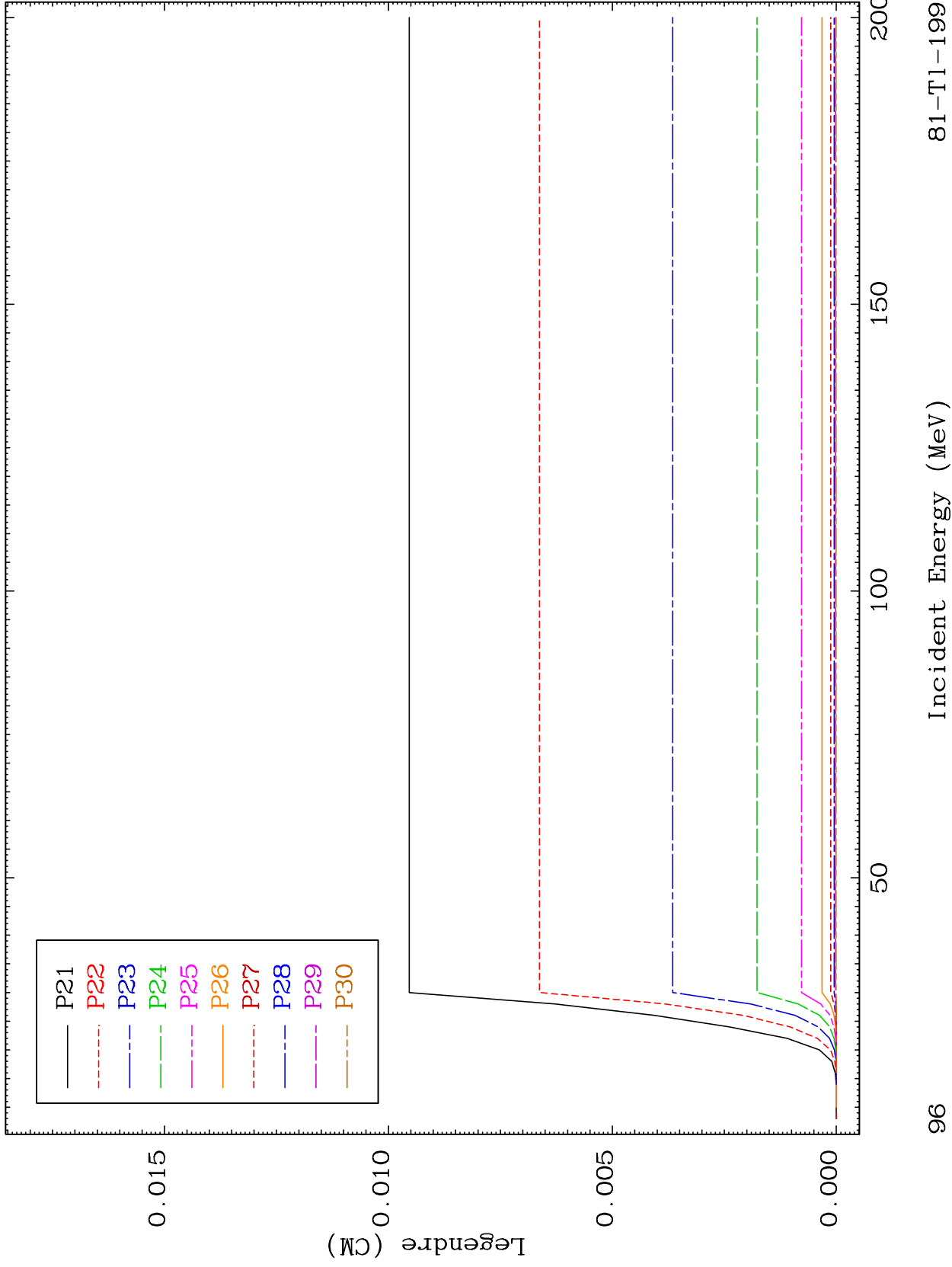
81-T1-199



95

Incident Energy (MeV)

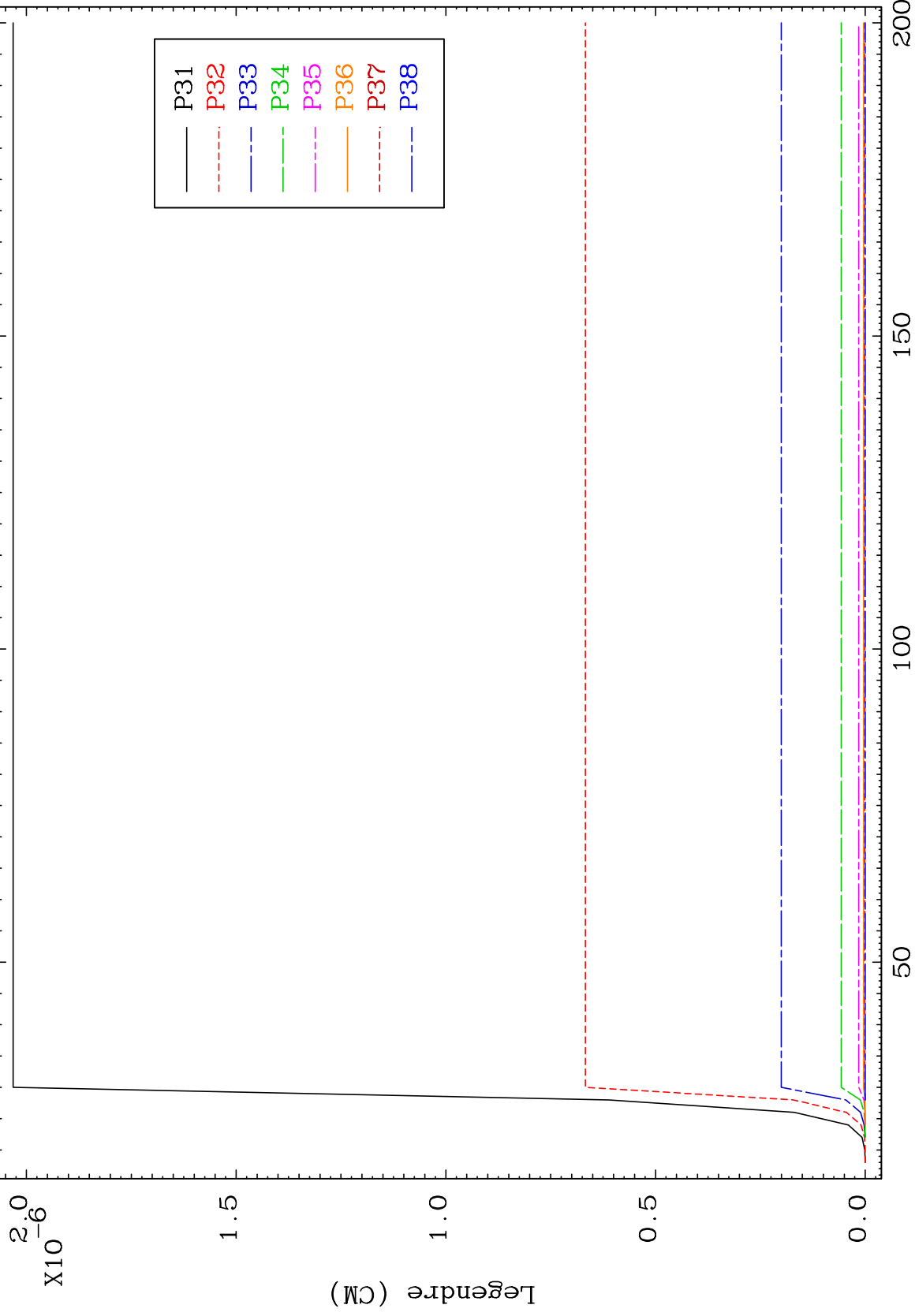
81-T1-199



MAT 8113

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

81-Tl-199



97

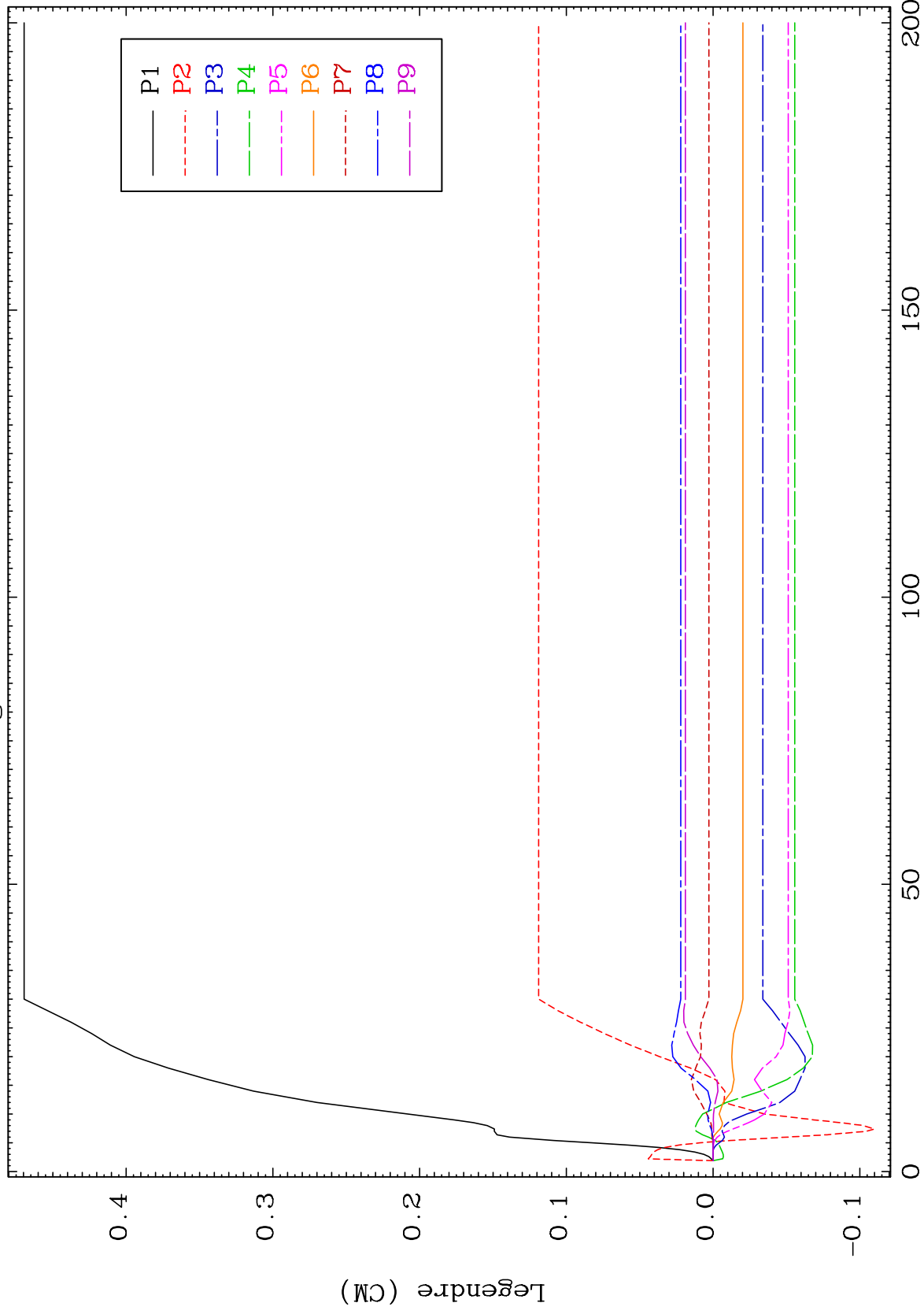
Incident Energy (MeV)

81-Tl-199

MAT 81113

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

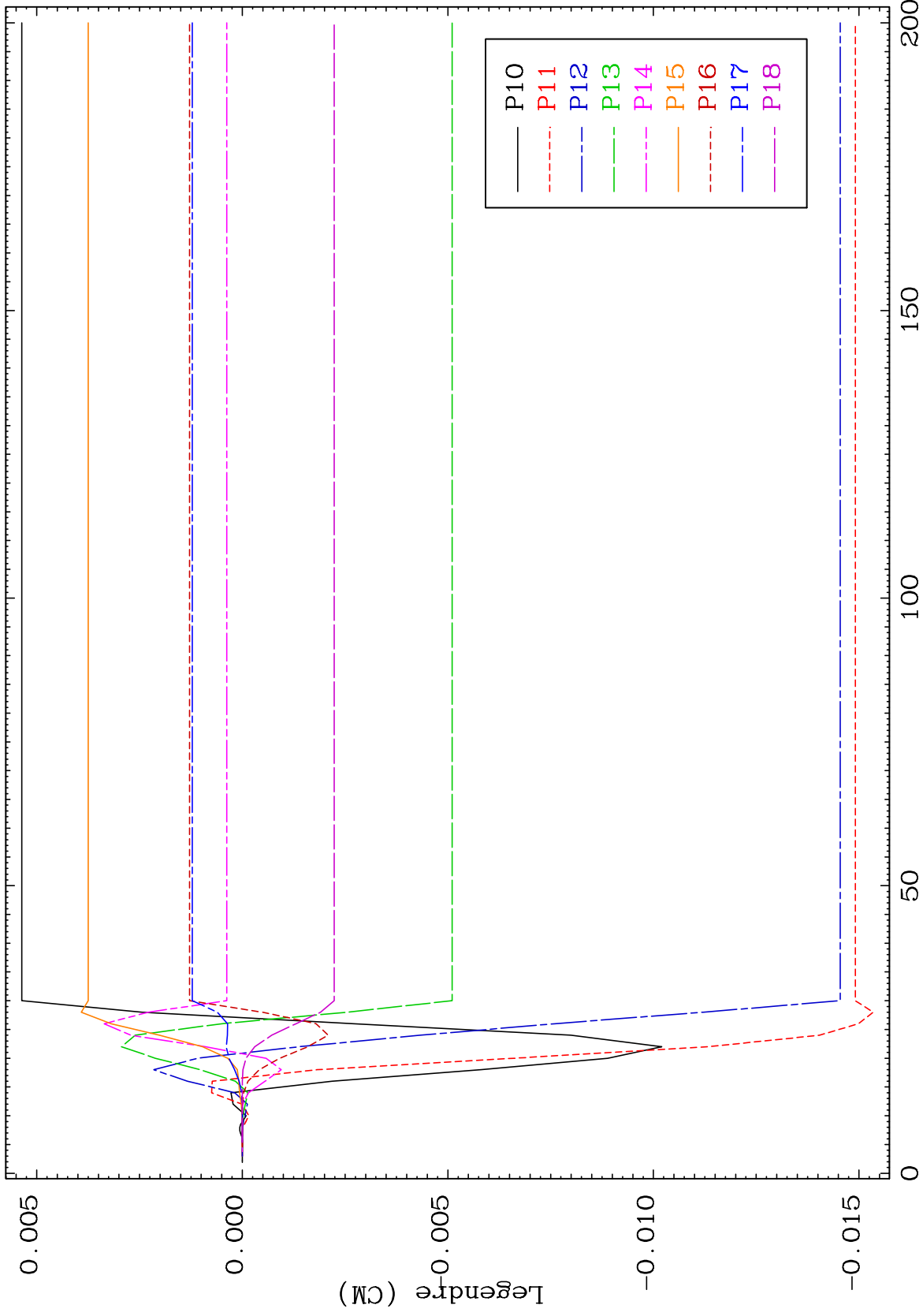
81-T1-199



98

Incident Energy (MeV)

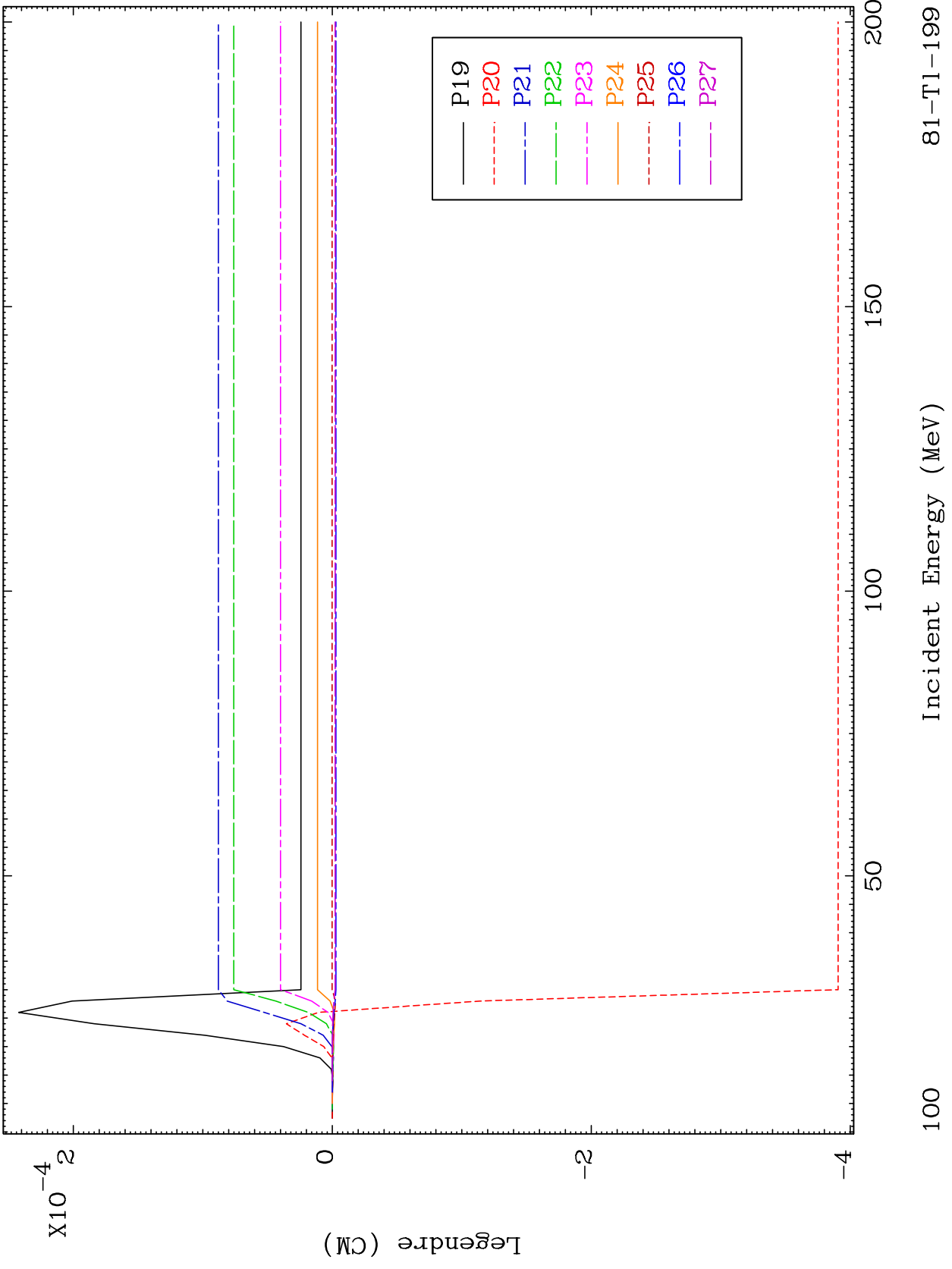
81-T1-199



MAT 8113

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

81-T1-199



100

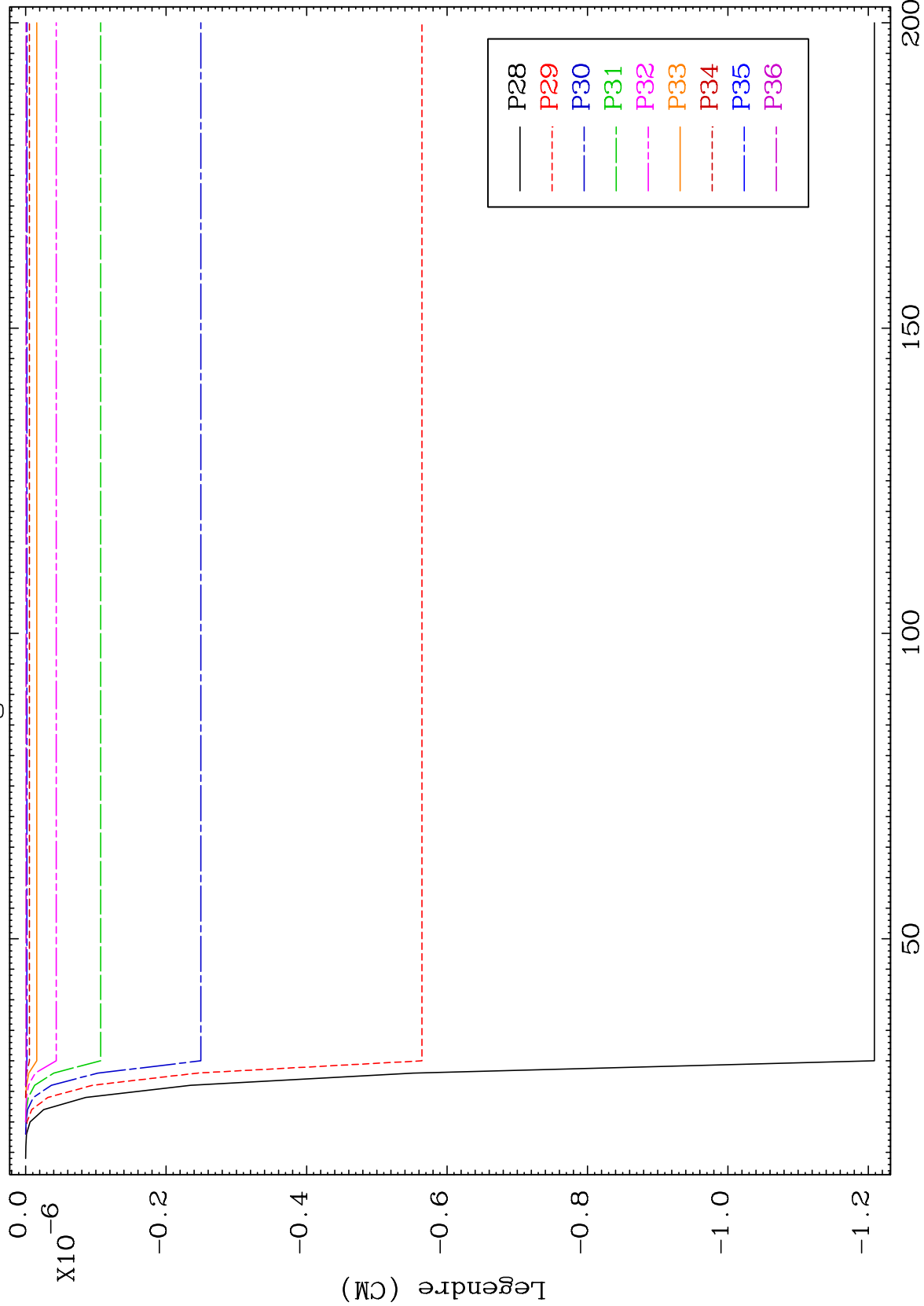
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



101

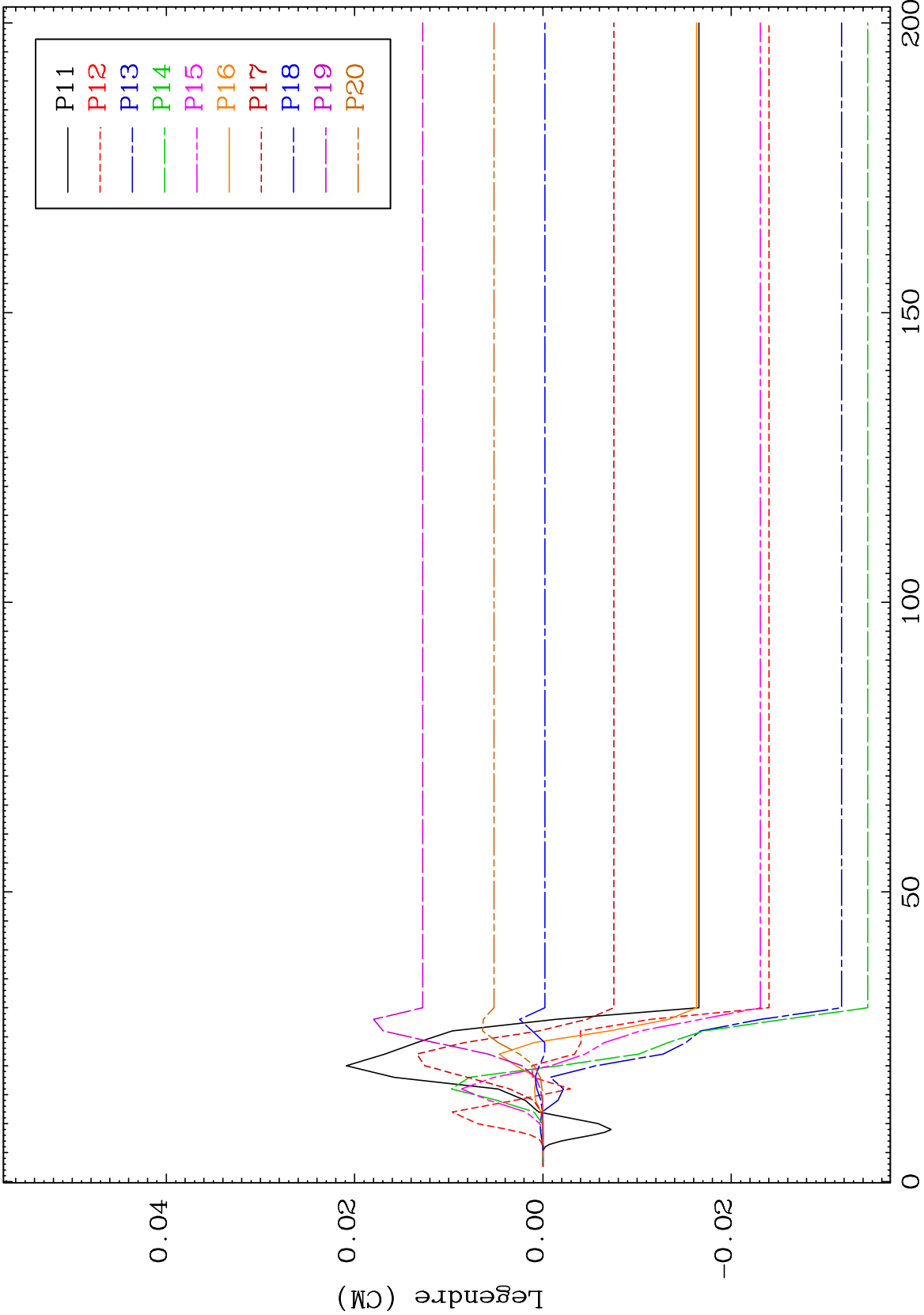
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



103

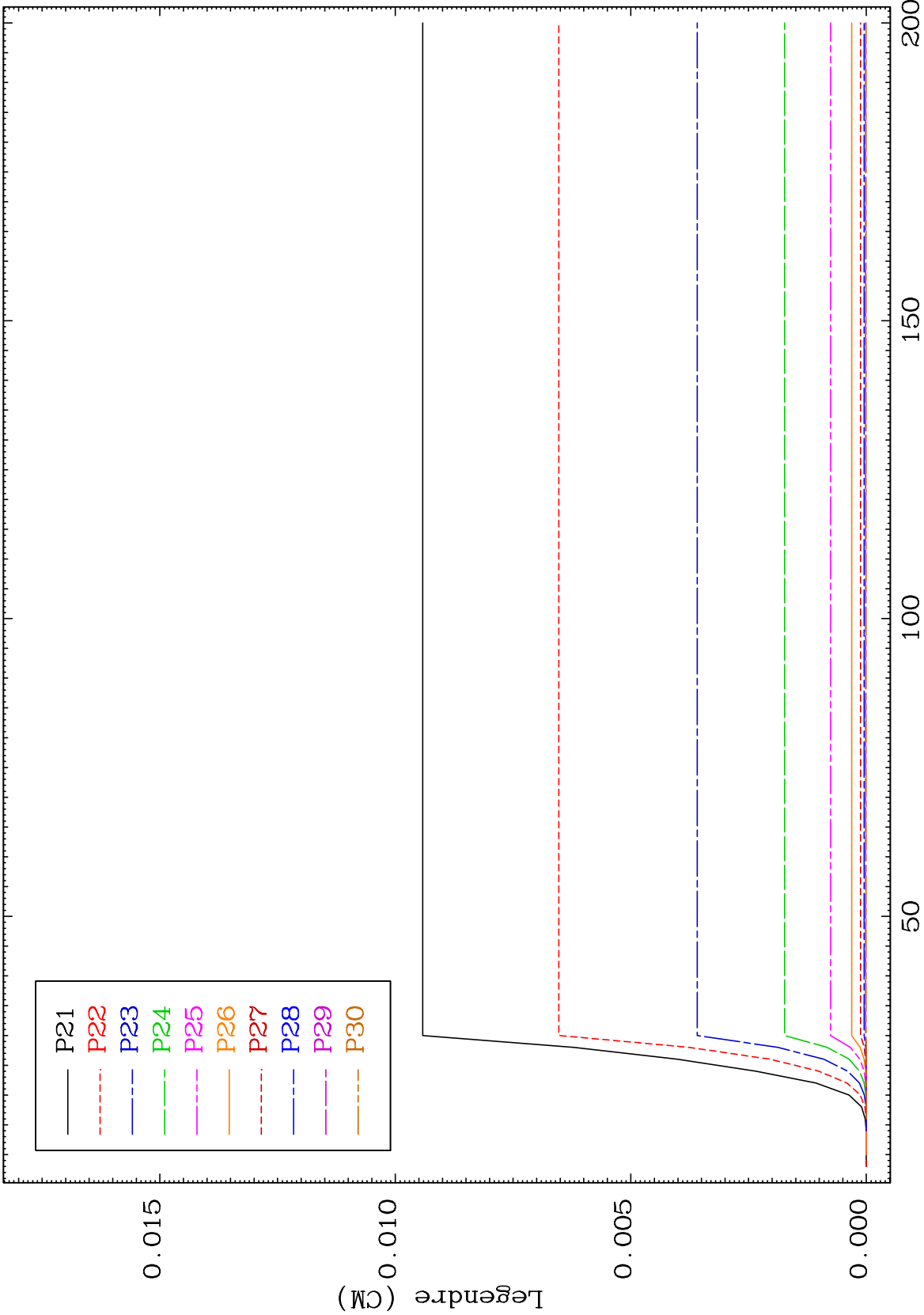
Incident Energy (MeV)

81-T1-199

MAT 81113

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

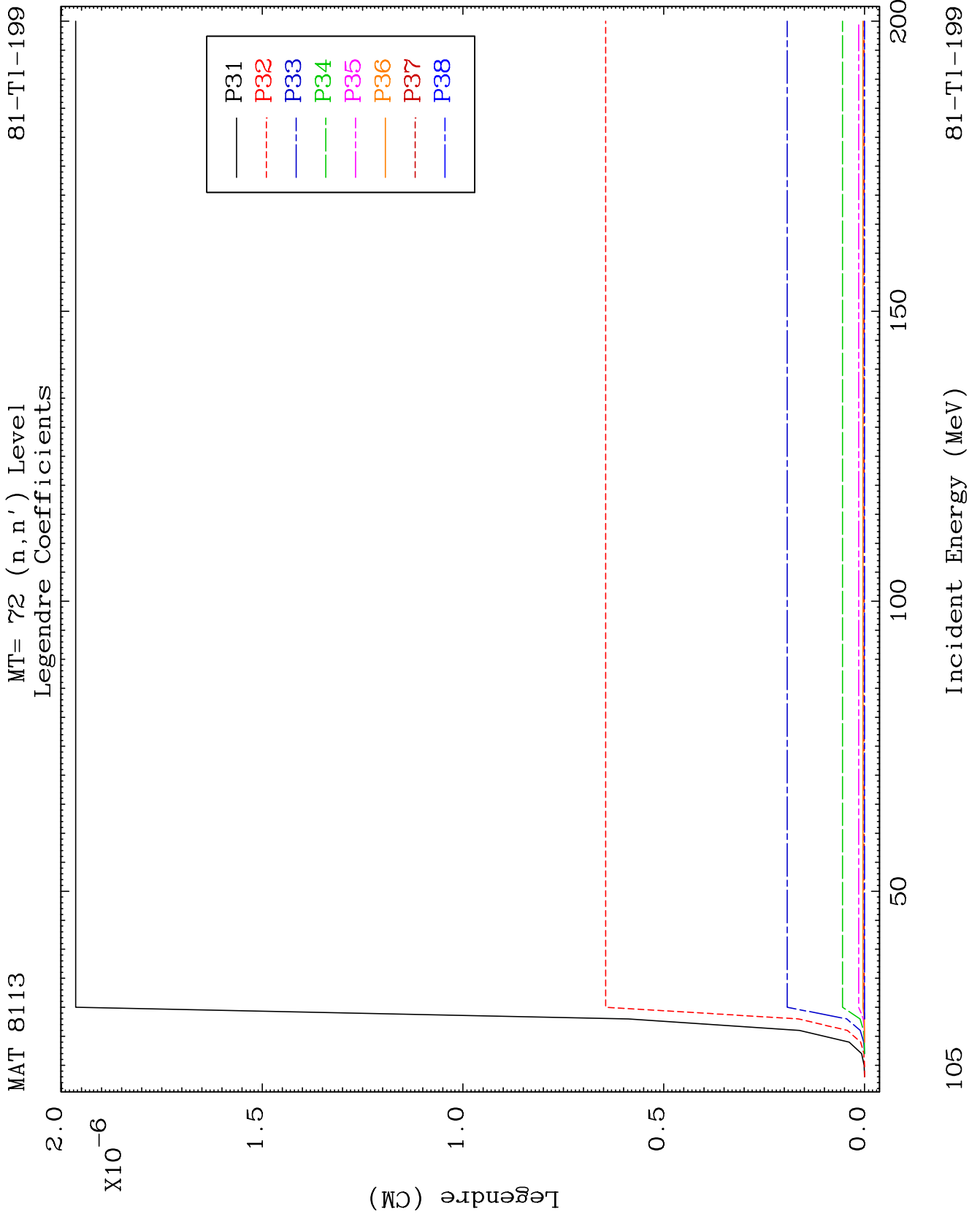
81-Tl-199



104

Incident Energy (MeV)

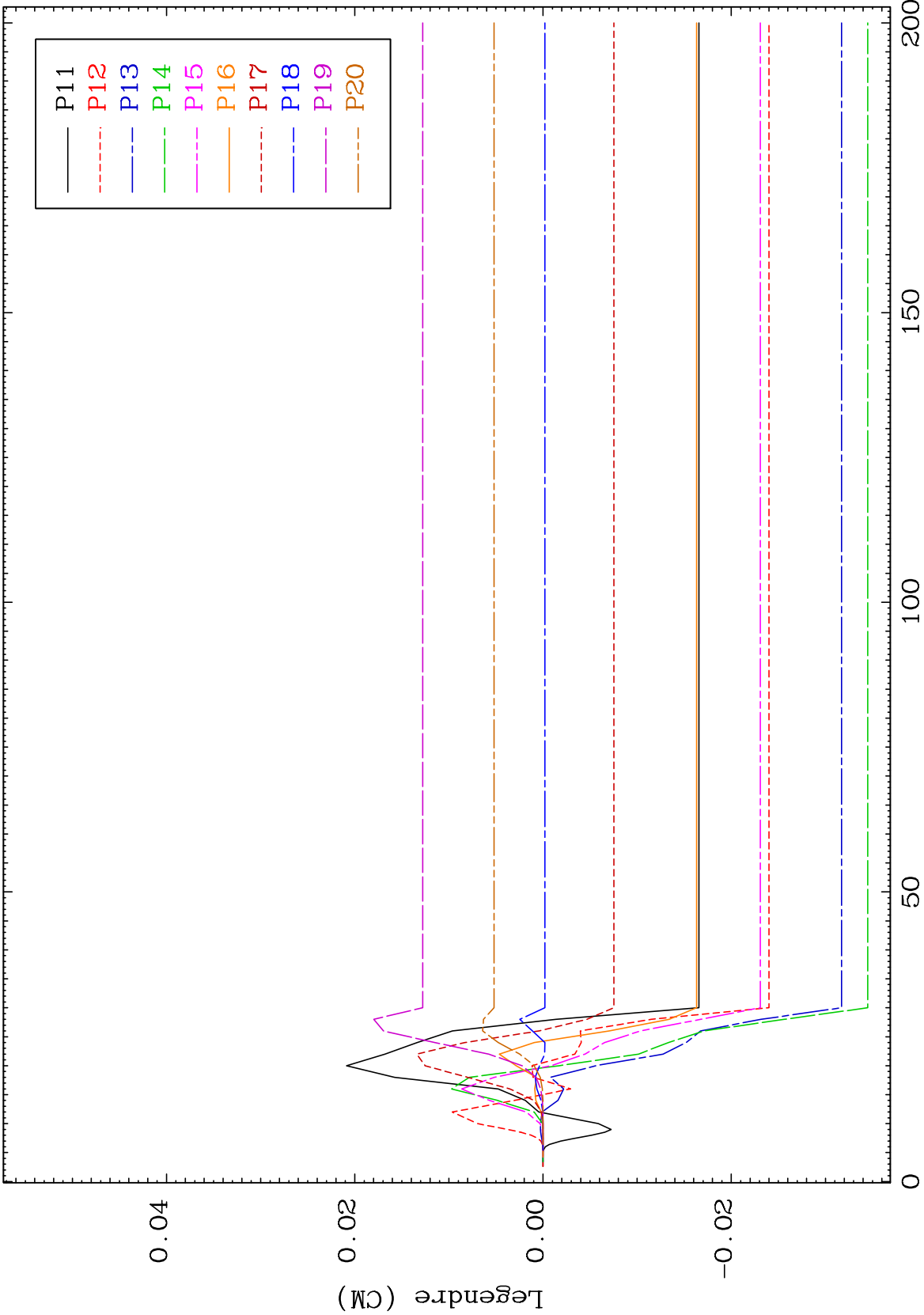
81-Tl-199



MAT 81113

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

81-T1-199



107

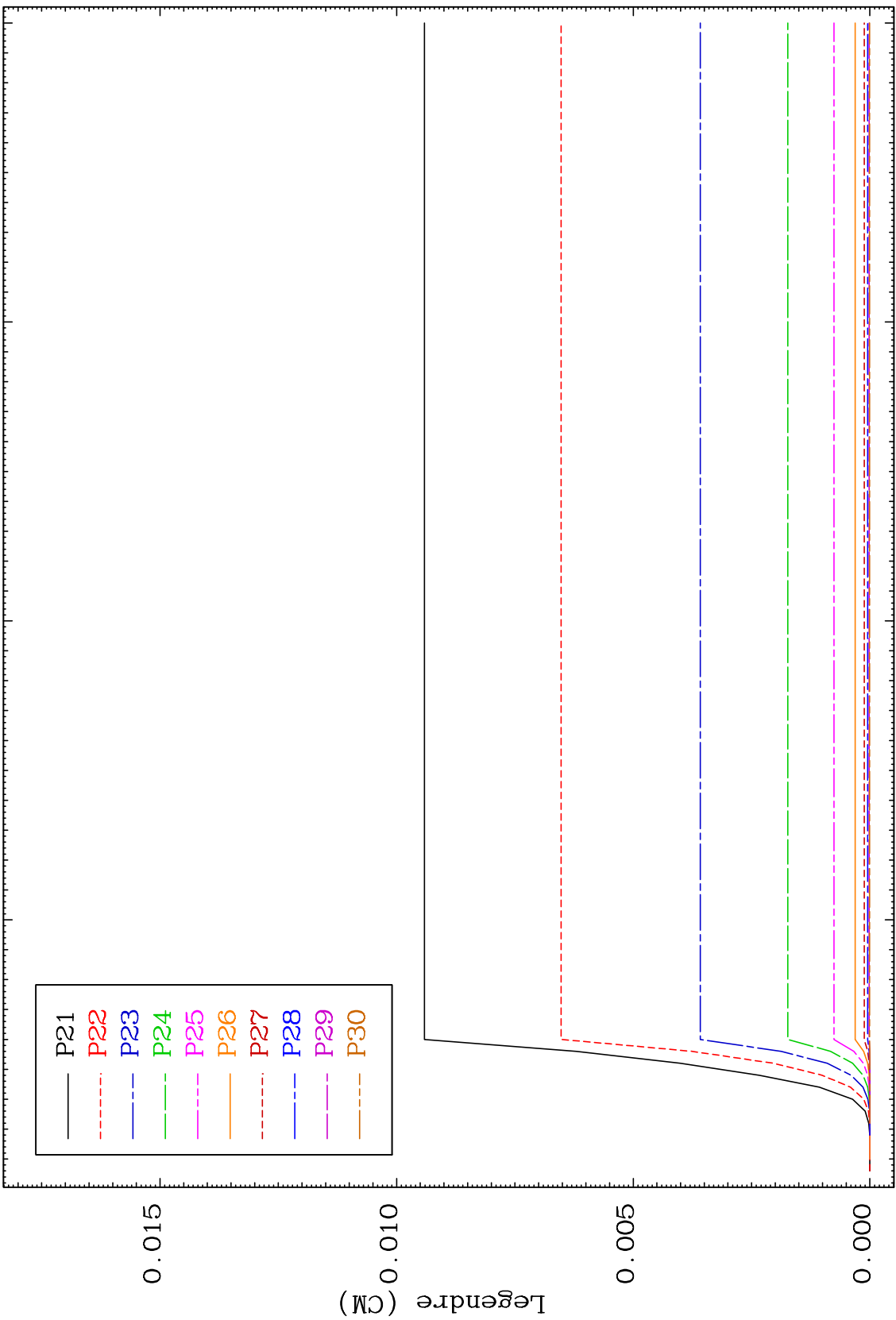
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



108

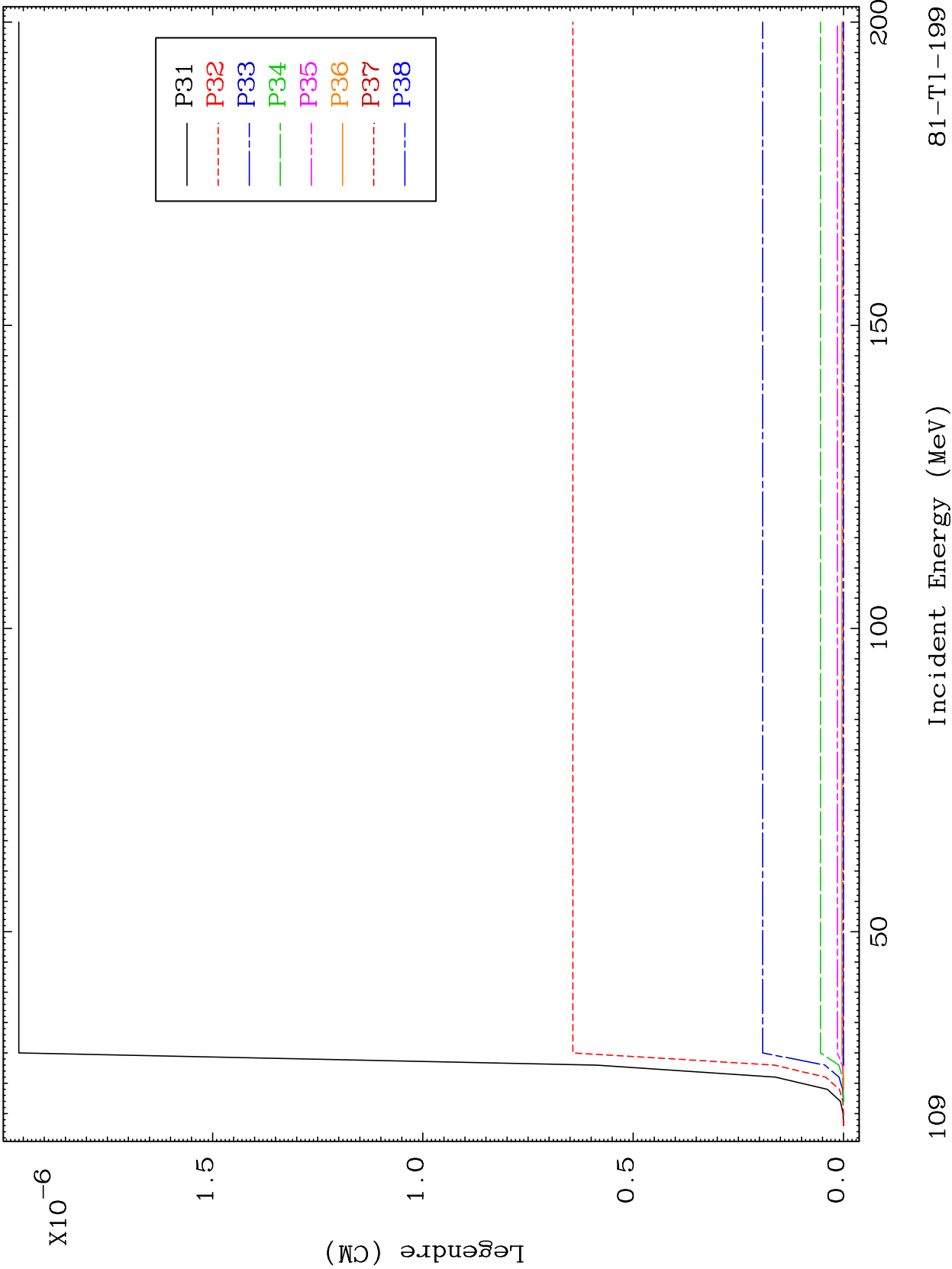
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



81-T1-199

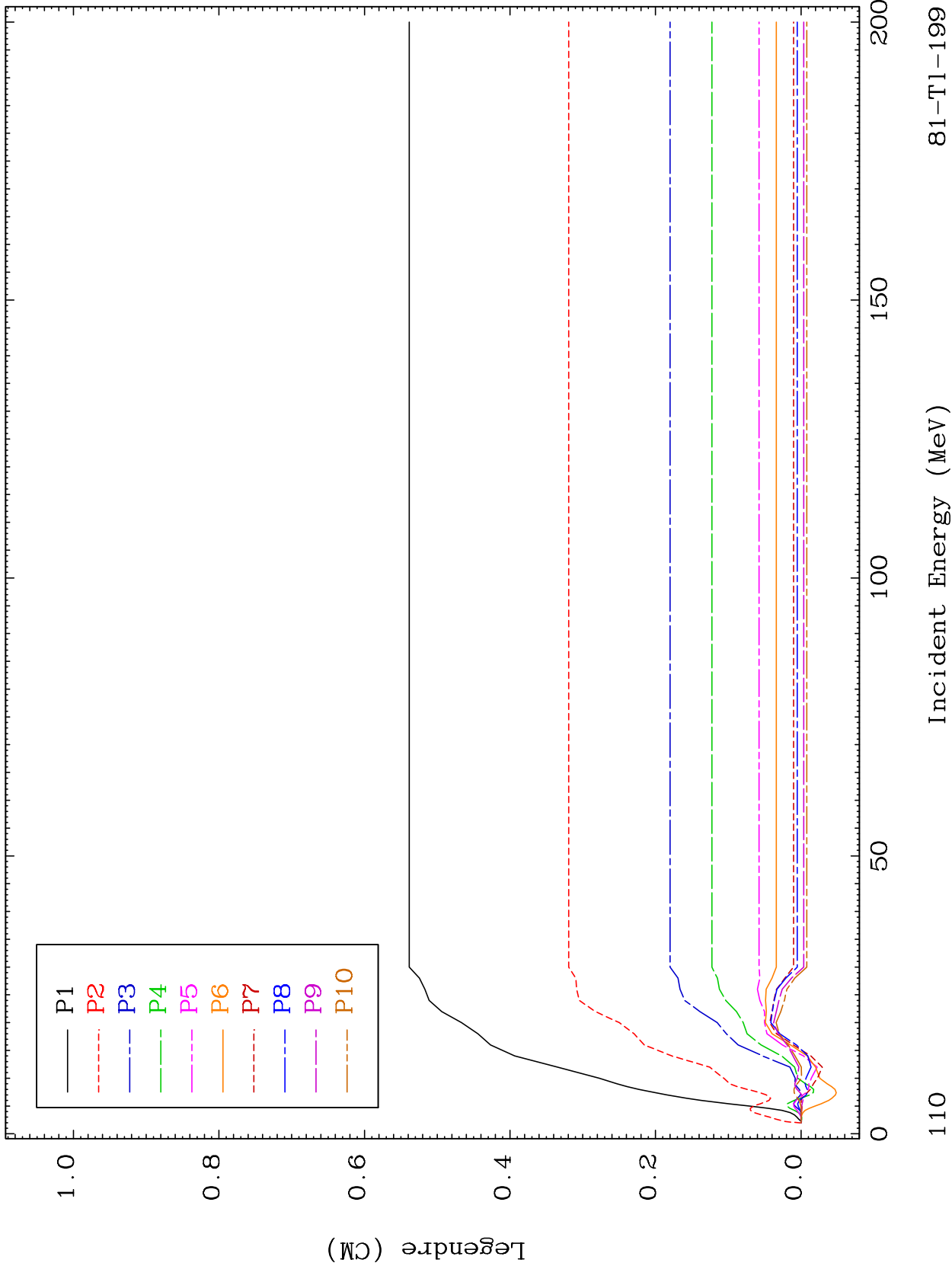
Incident Energy (MeV)

109

MAT 81113

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

81-T1-199



110

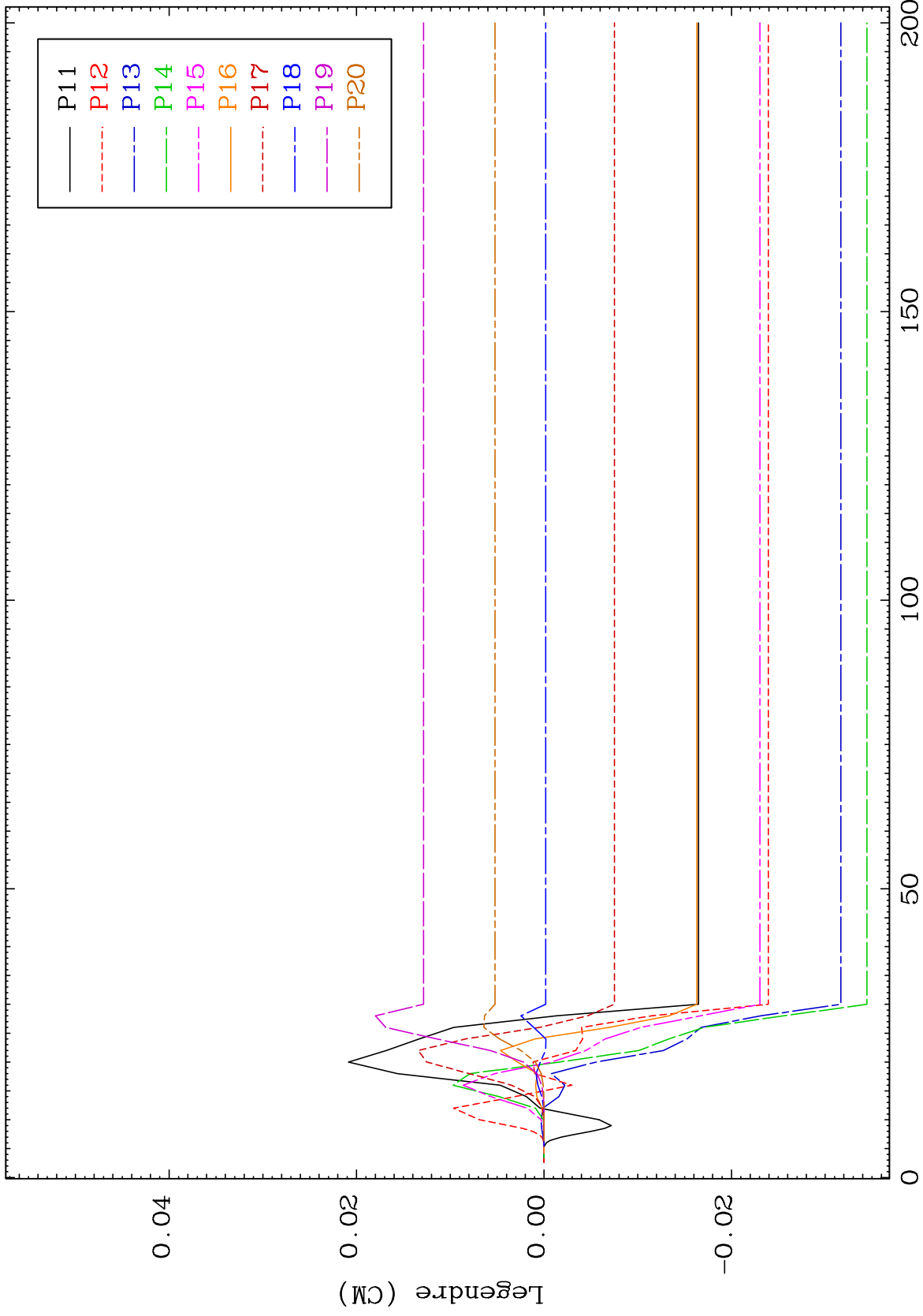
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-T1-199



111

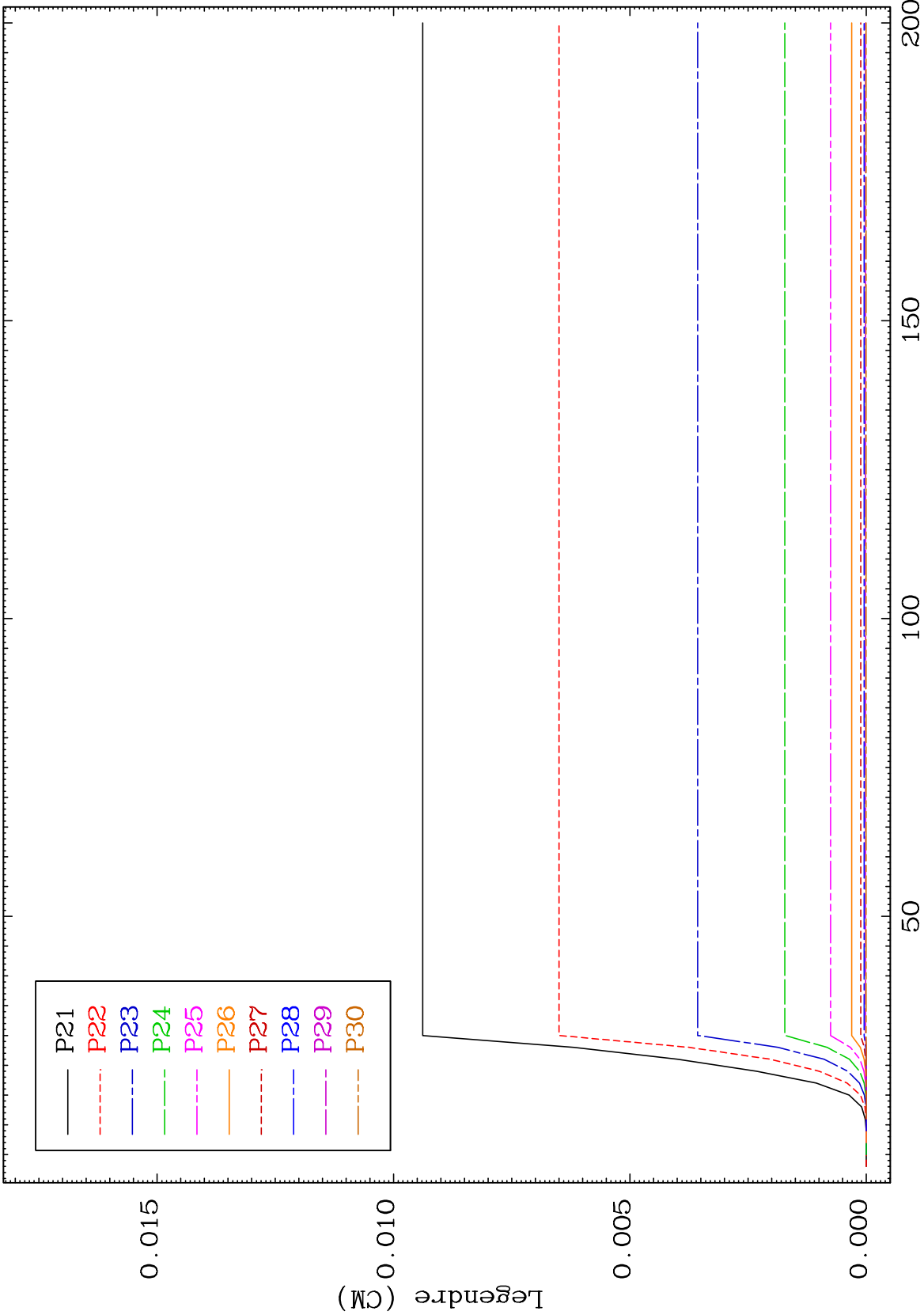
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-Tl-199



112

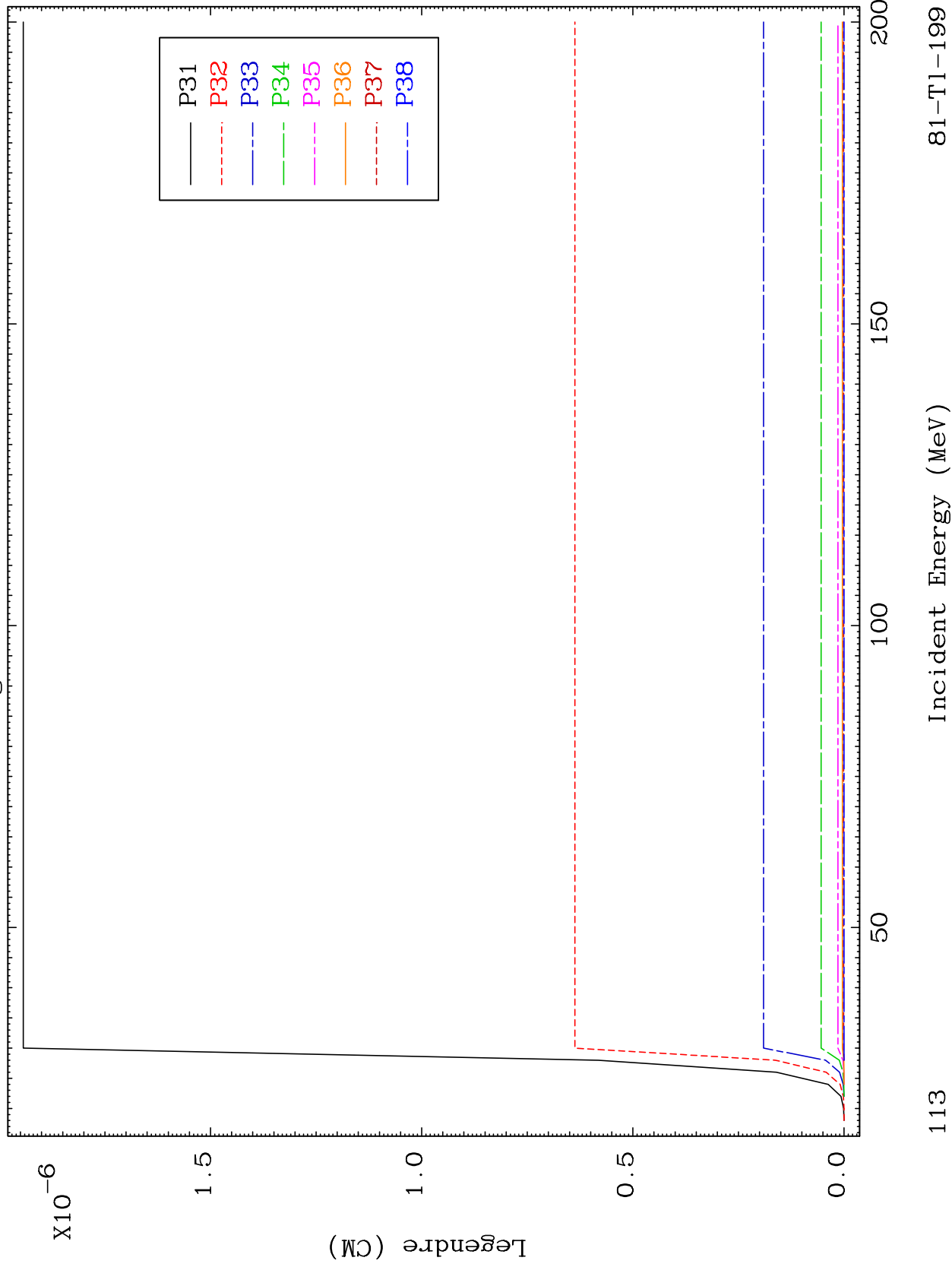
Incident Energy (MeV)

81-Tl-199

MAT 81113

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

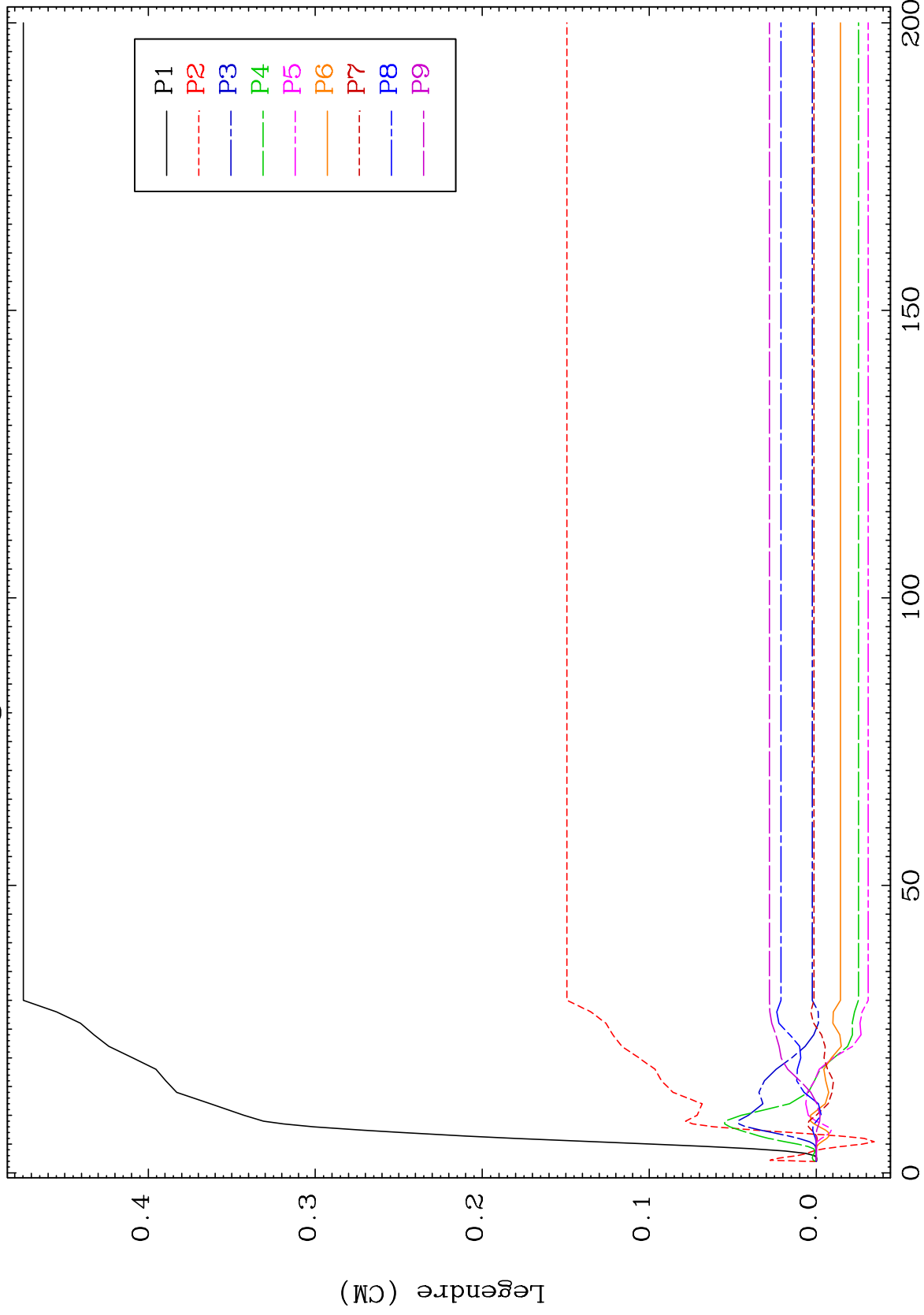
81-T1-199



MAT 81113

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

81-T1-199



81-T1-199

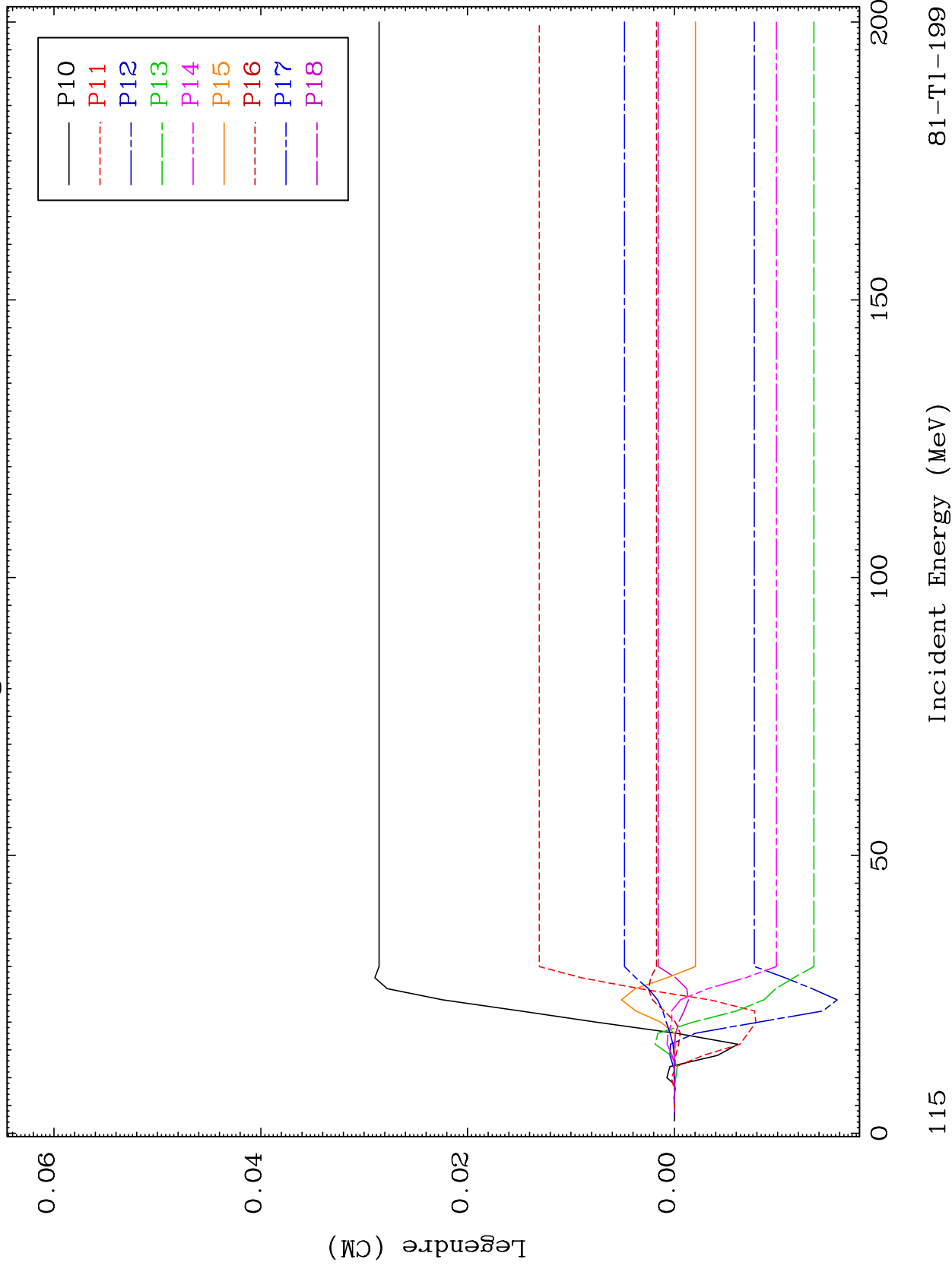
Incident Energy (MeV)

114

MAT 81113

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

81-T1-199



81-T1-199

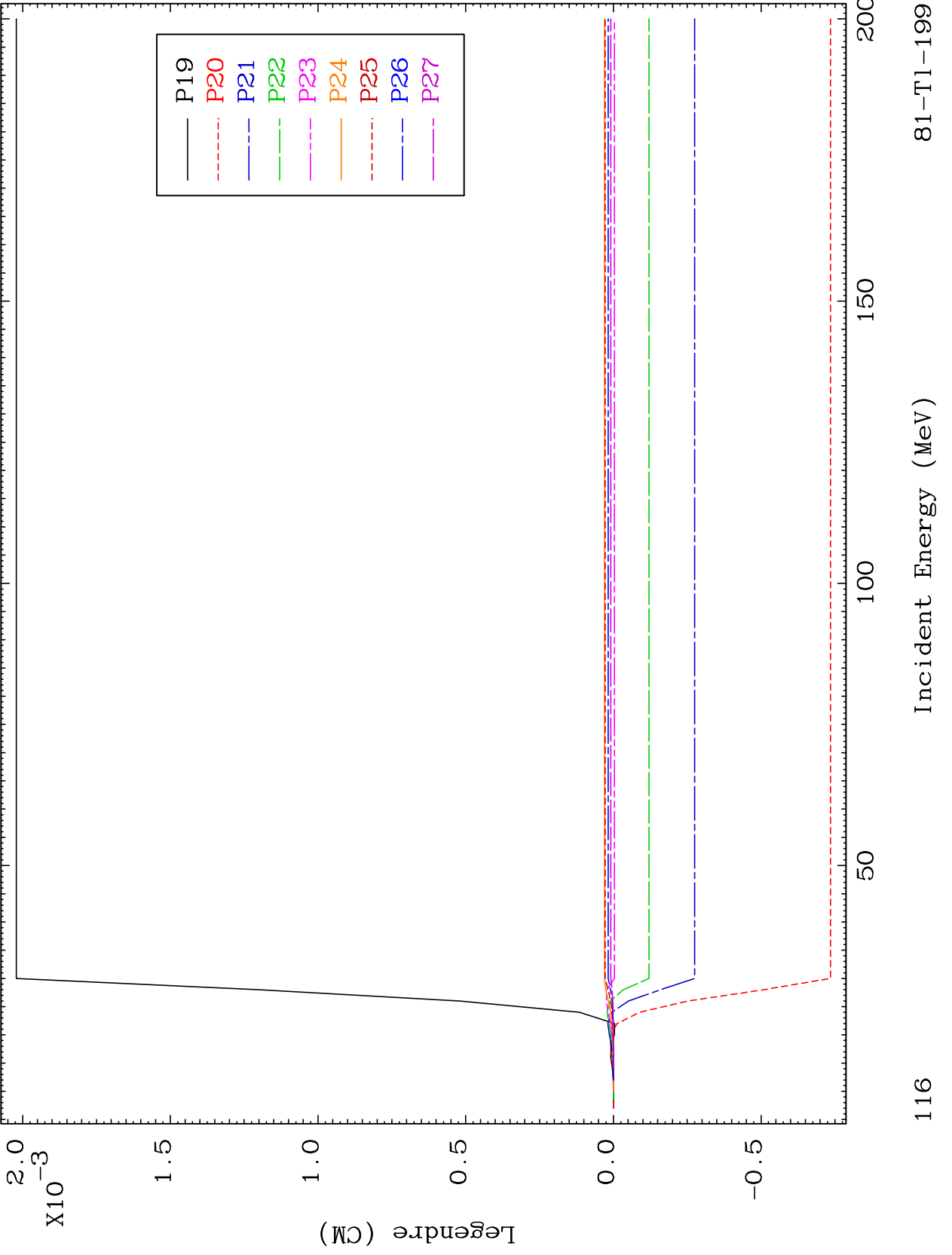
Incident Energy (MeV)

115

MAT 81113

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

81-T1-199



116

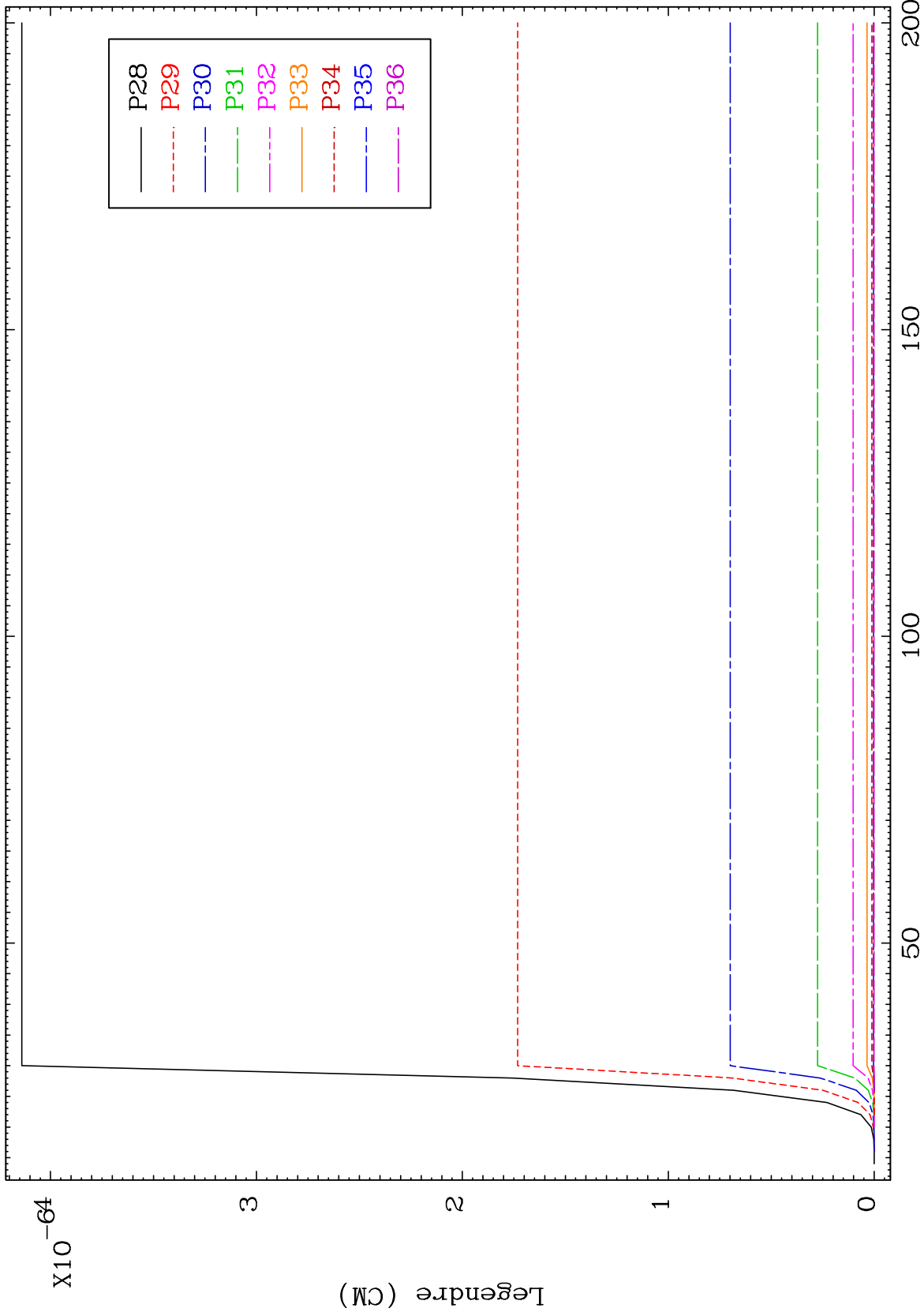
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-T1-199



117

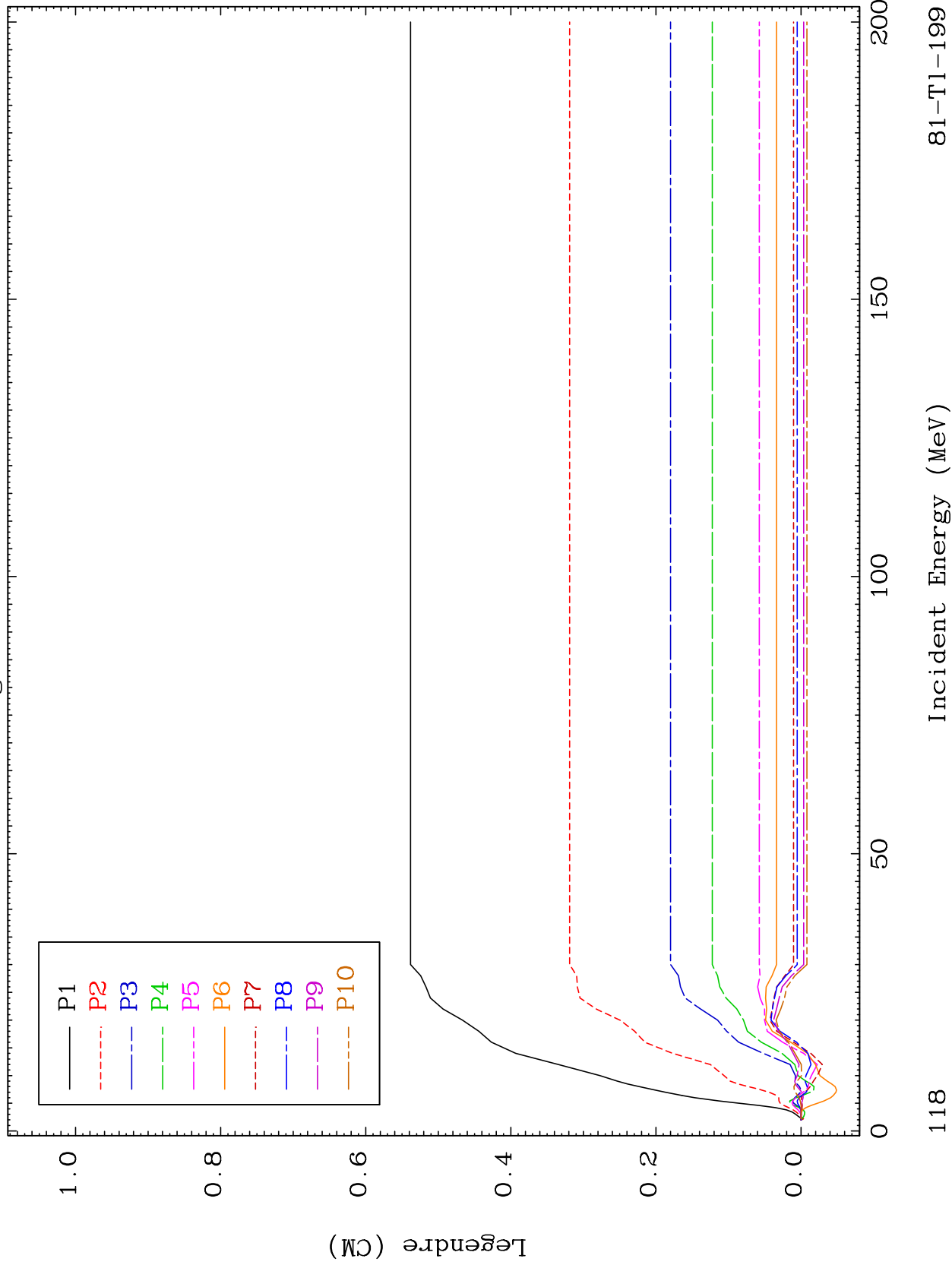
Incident Energy (MeV)

81-T1-199

MAT 81113

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

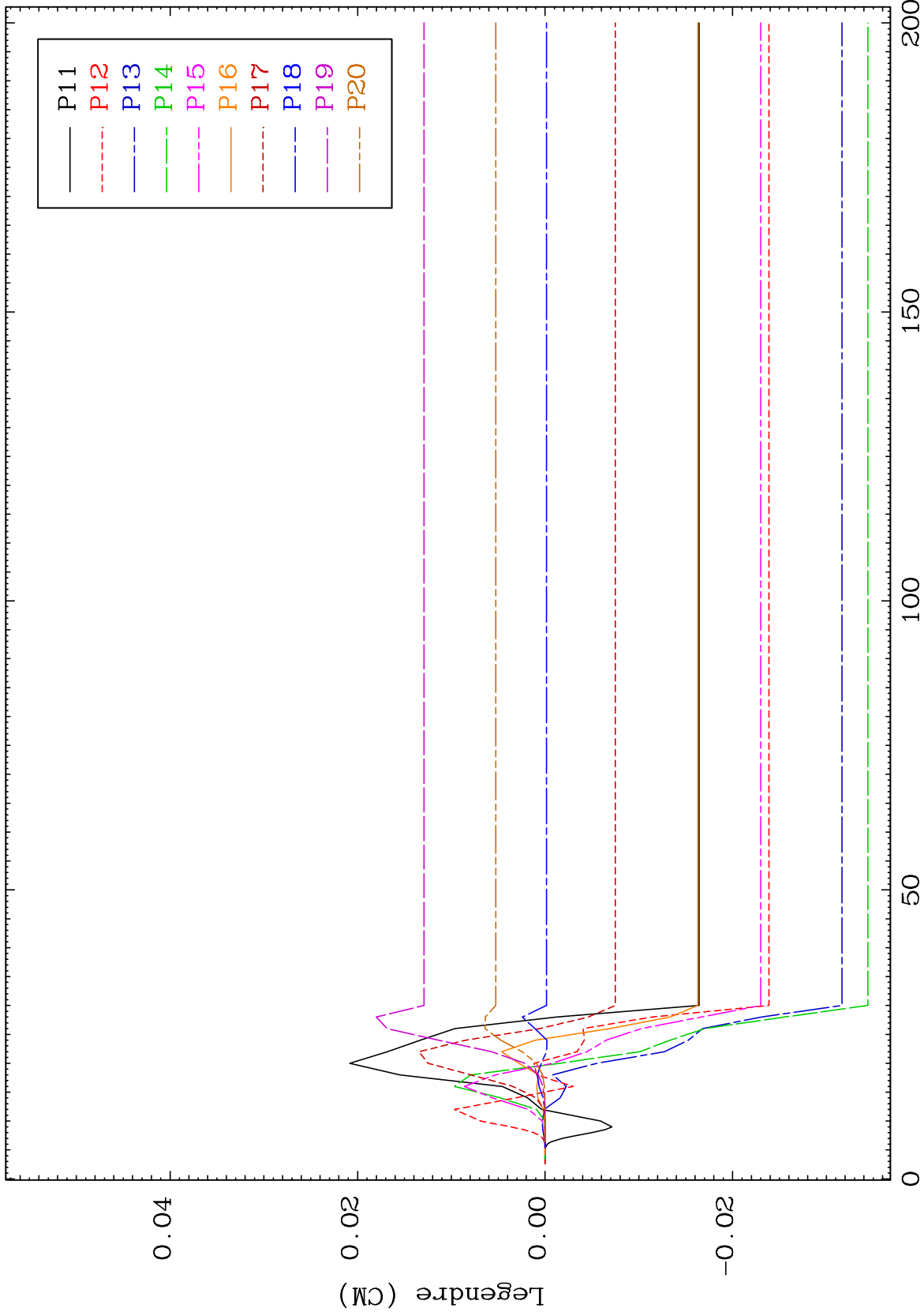
81-T1-199



MAT 8113

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

81-T1-199



119

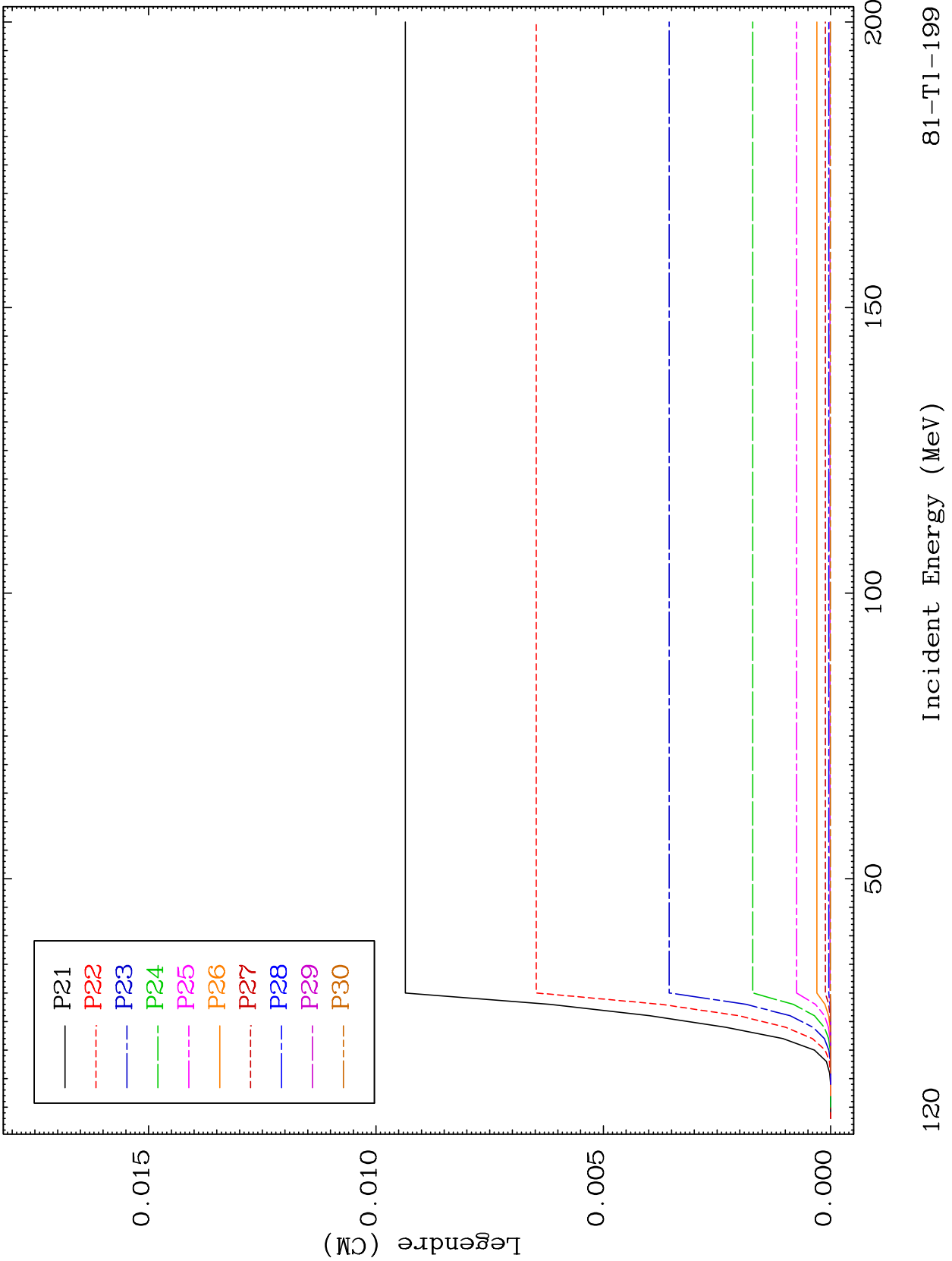
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-Tl-199



81-Tl-199

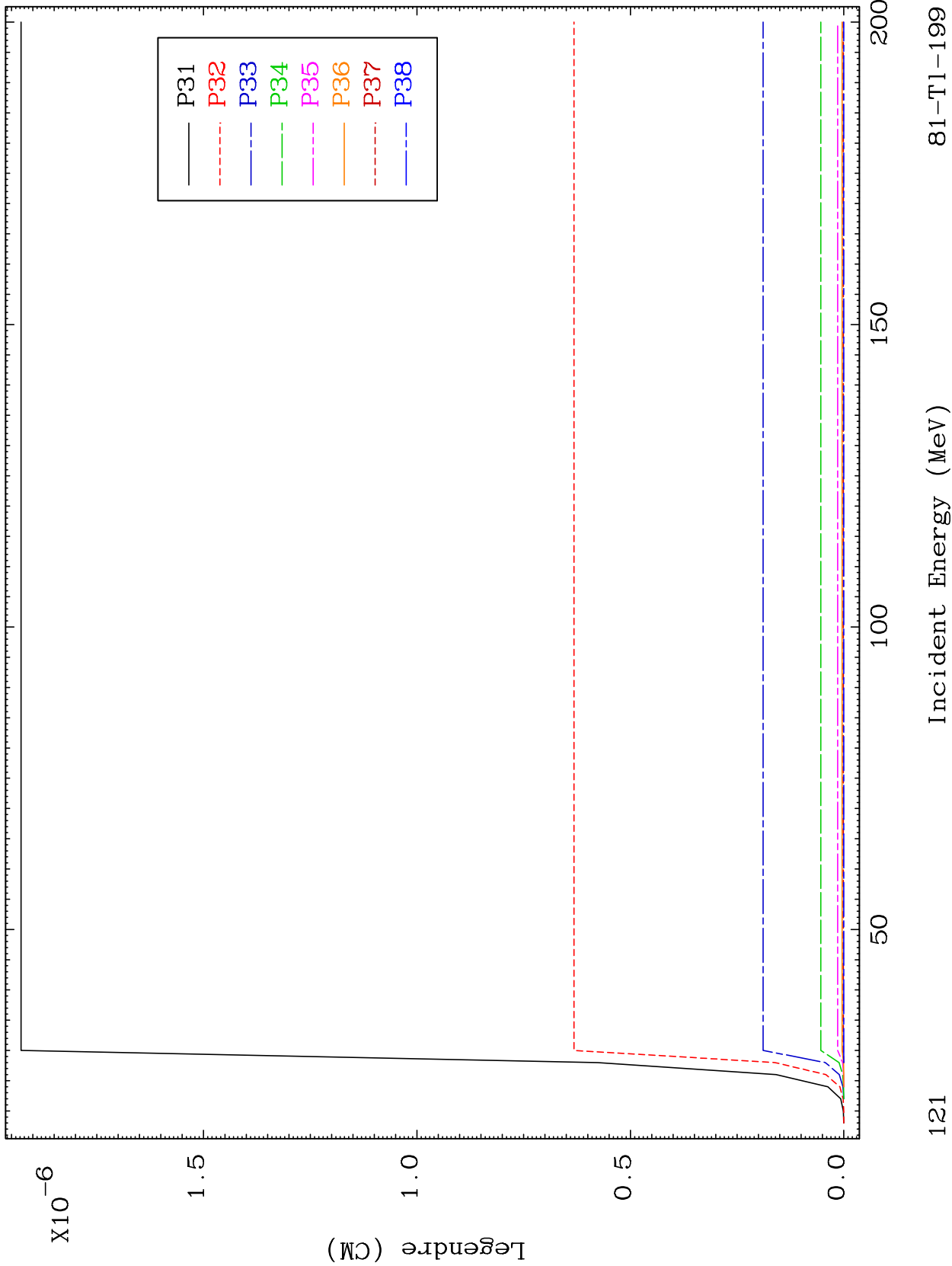
Incident Energy (MeV)

120

MAT 81113

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

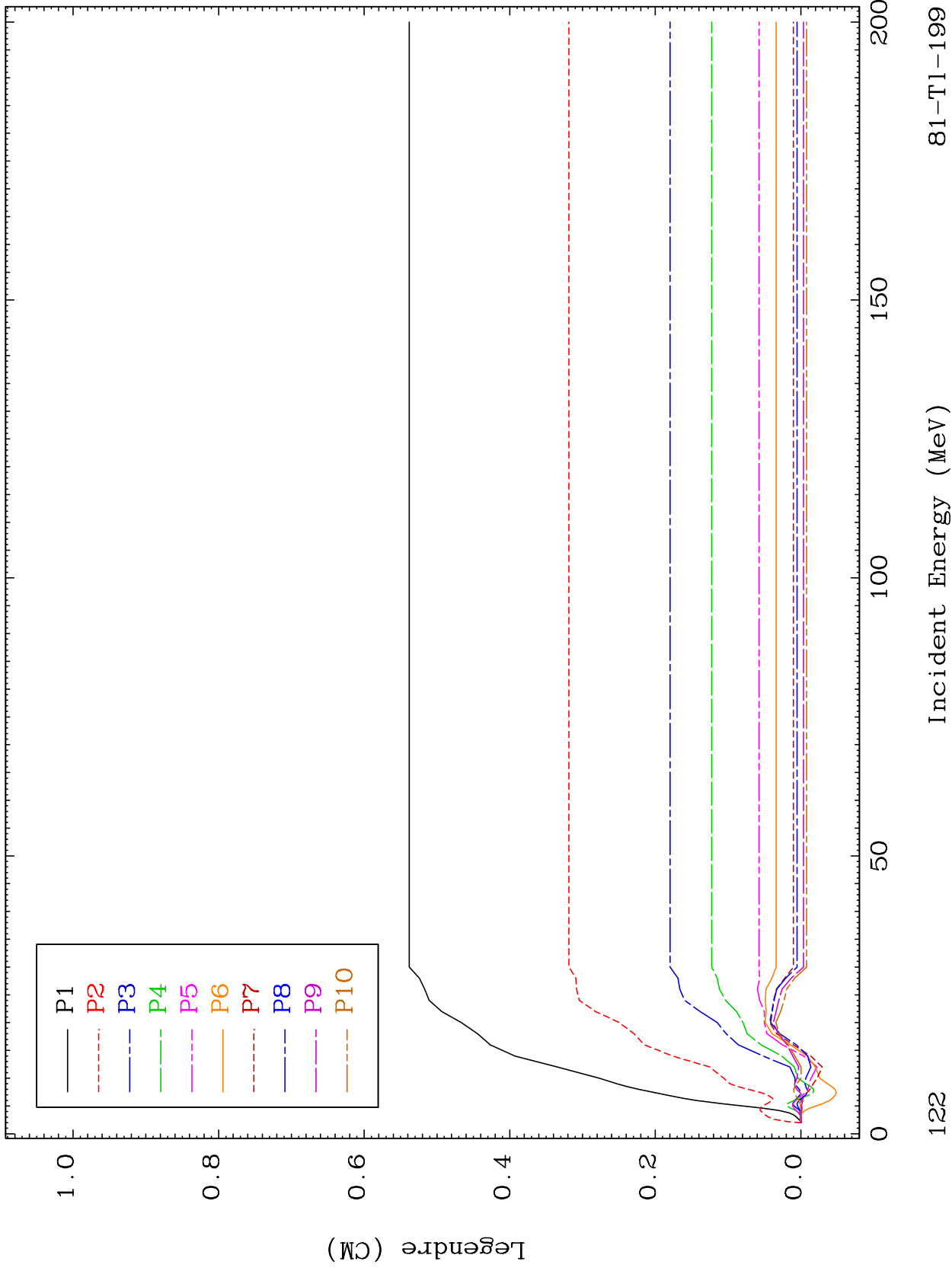
81-T1-199



121

Incident Energy (MeV)

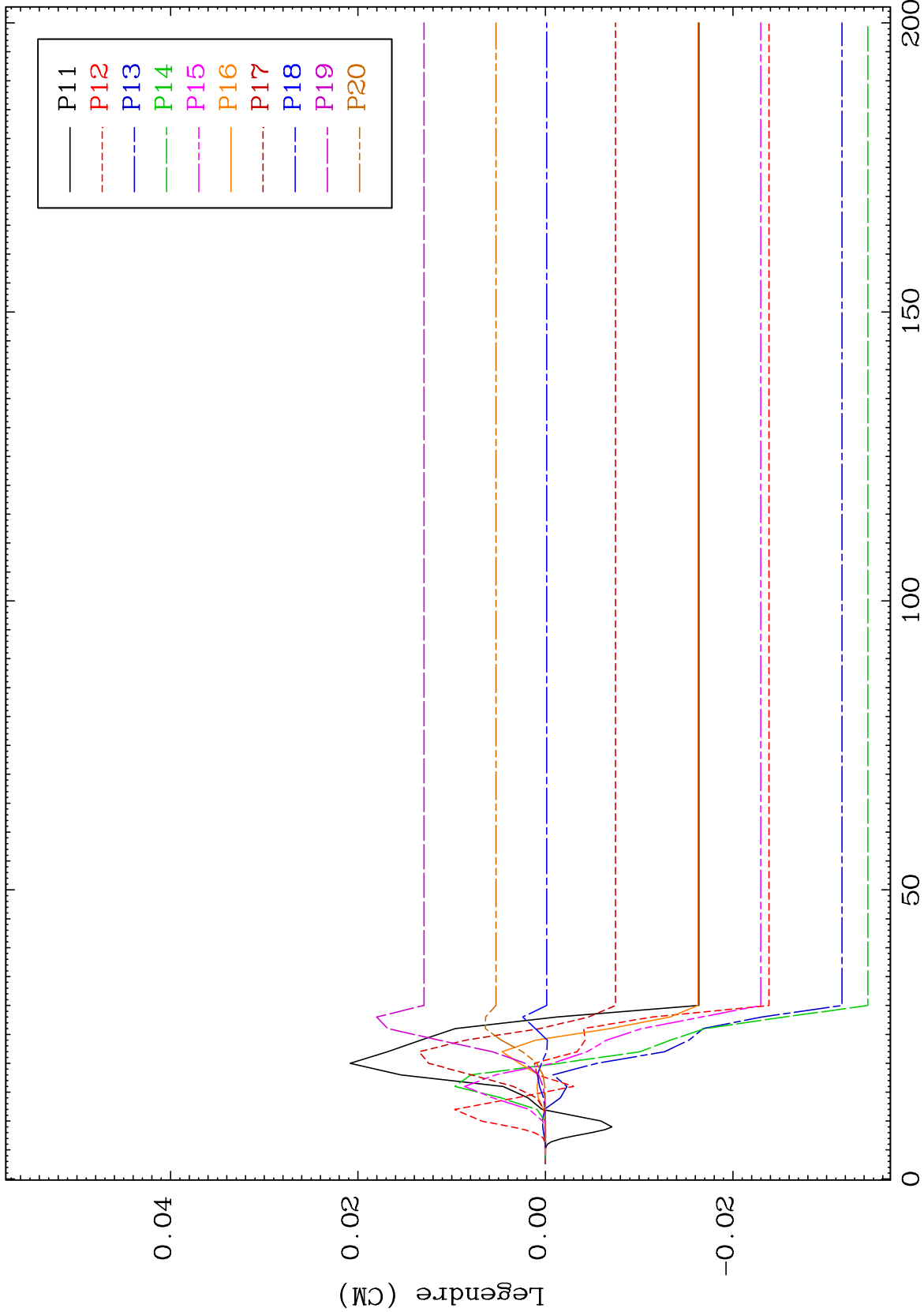
81-T1-199



MAT 81113

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

81-T1-199



123

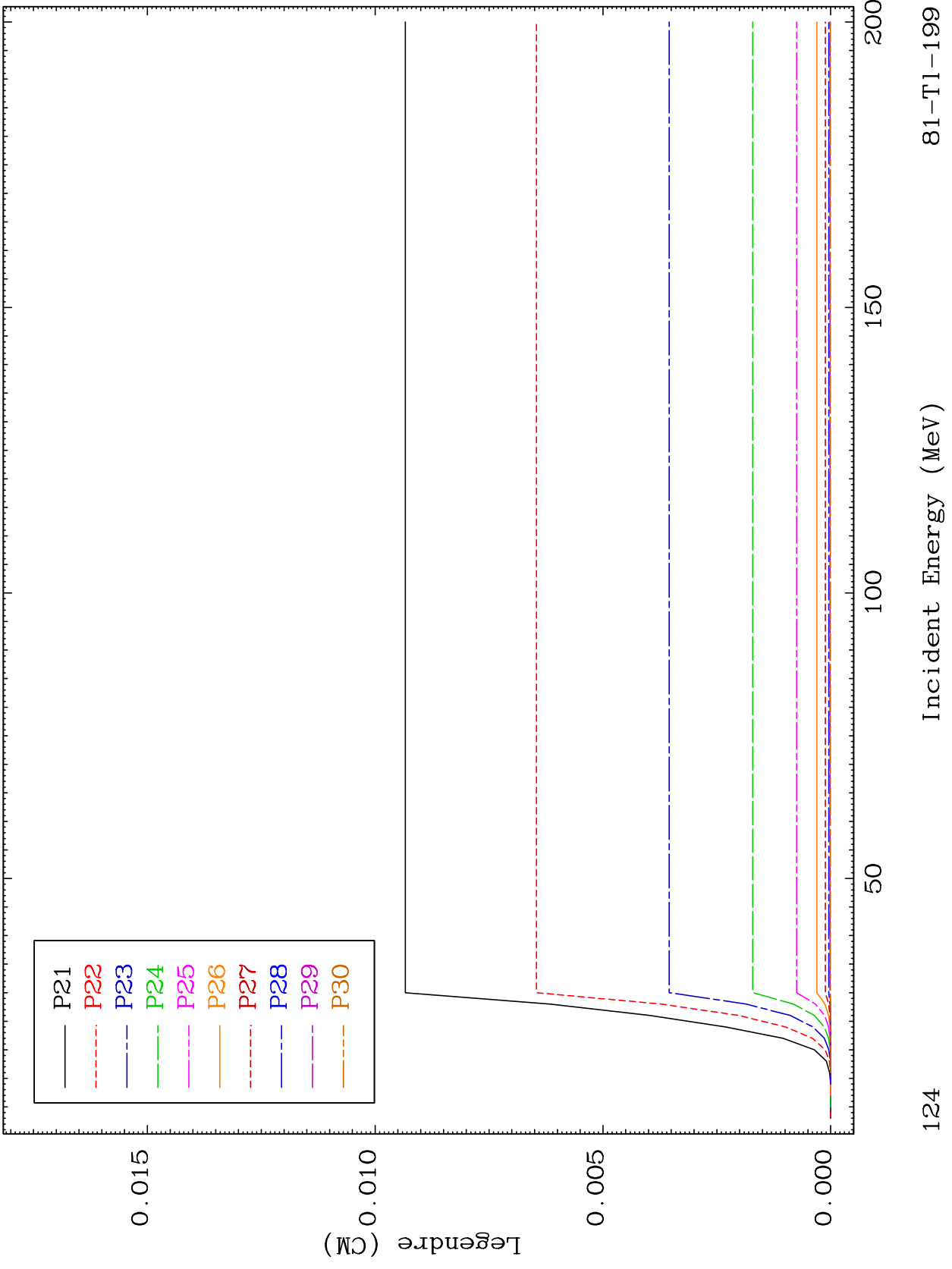
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-Tl-199



124

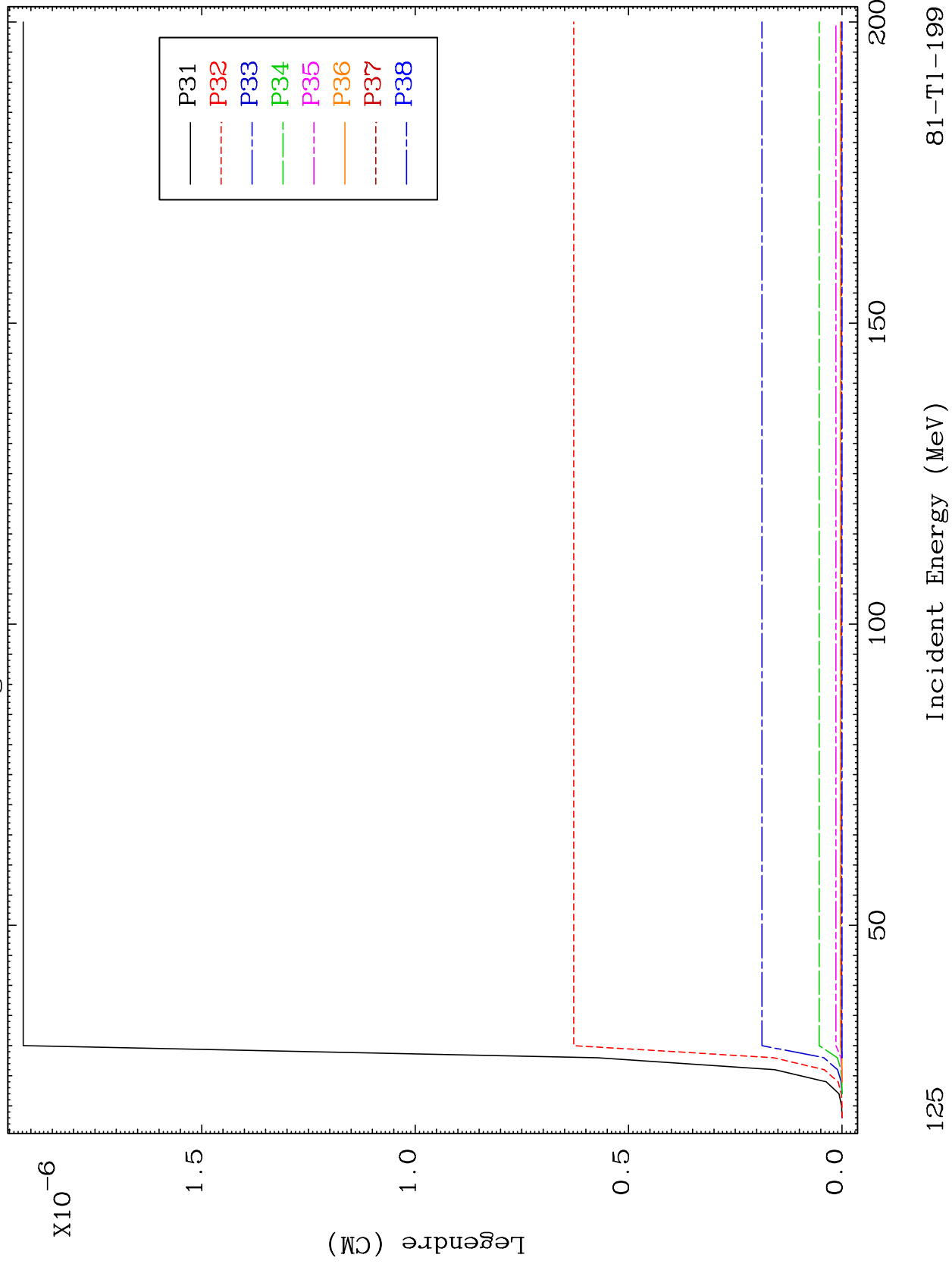
Incident Energy (MeV)

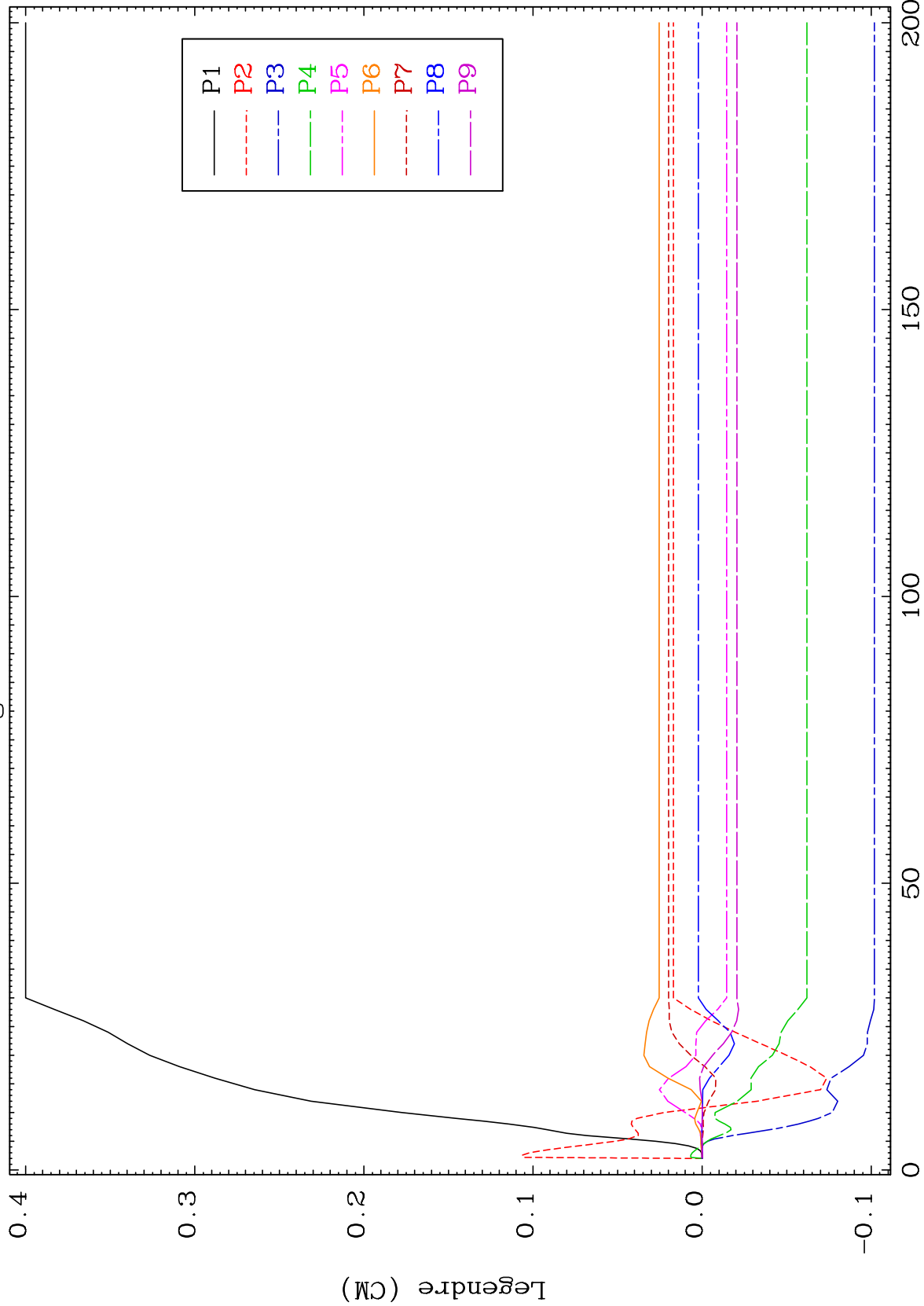
81-Tl-199

MAT 81113

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

81-T1-199

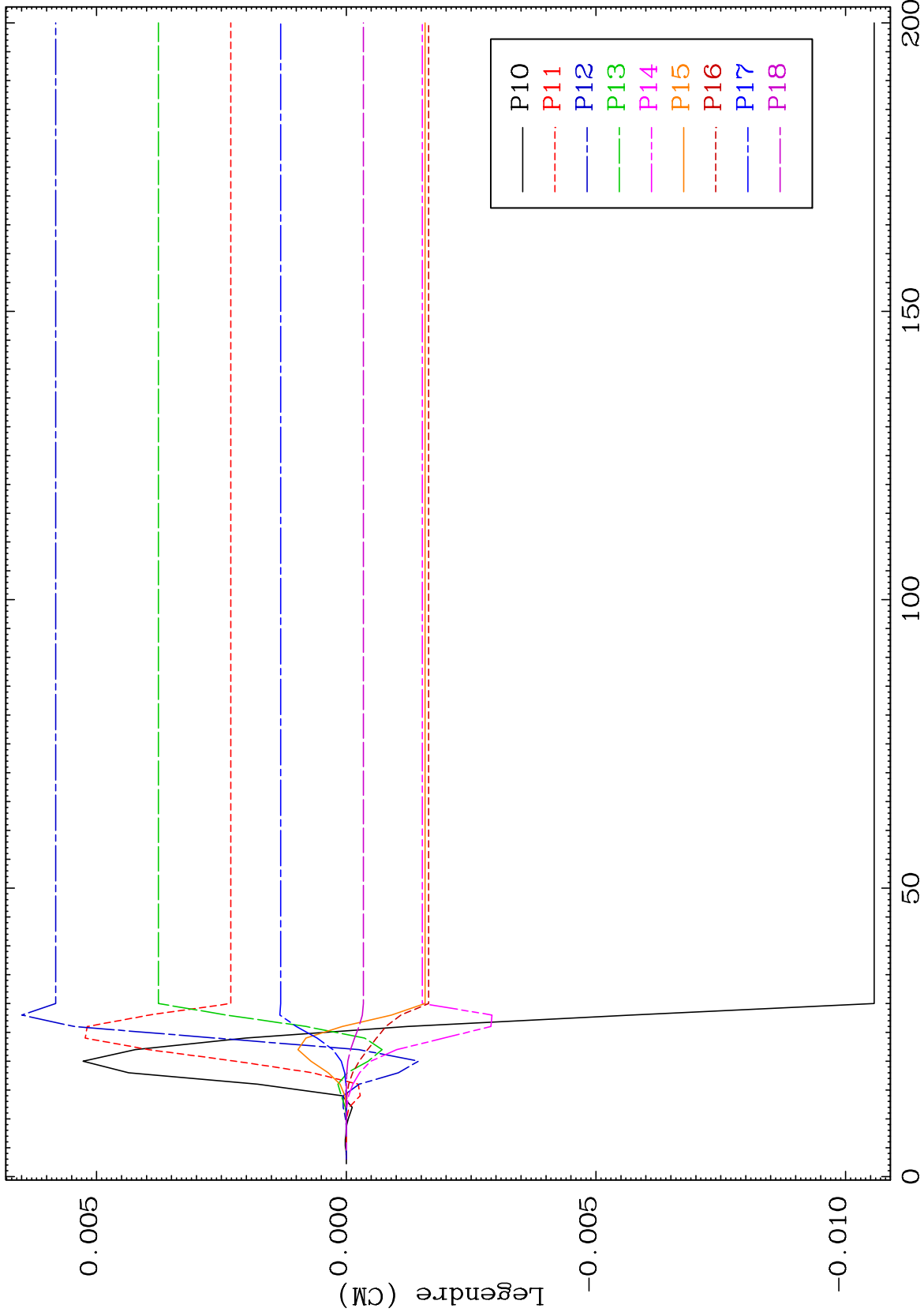




MAT 81113

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

81-T1-199



127

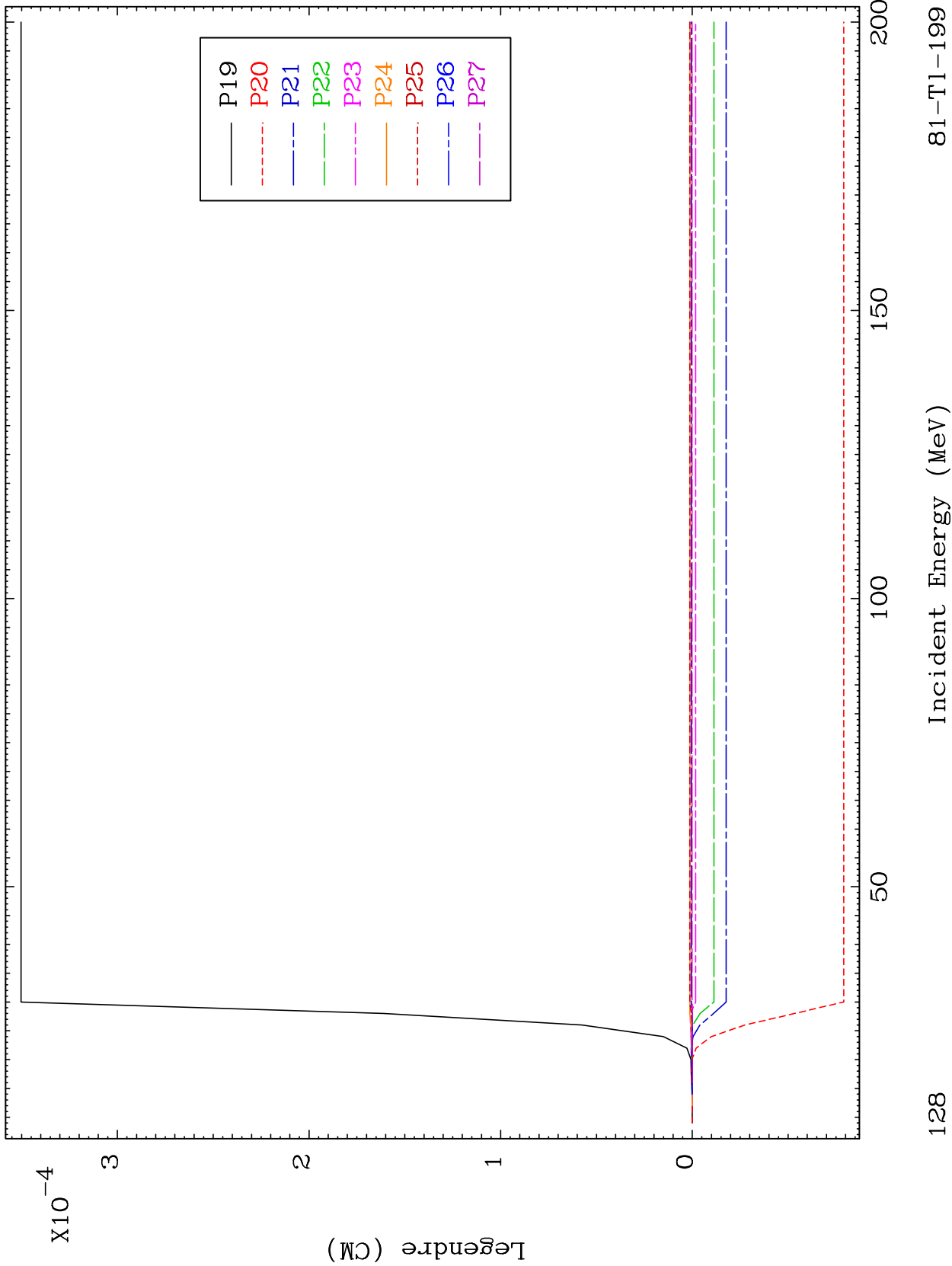
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



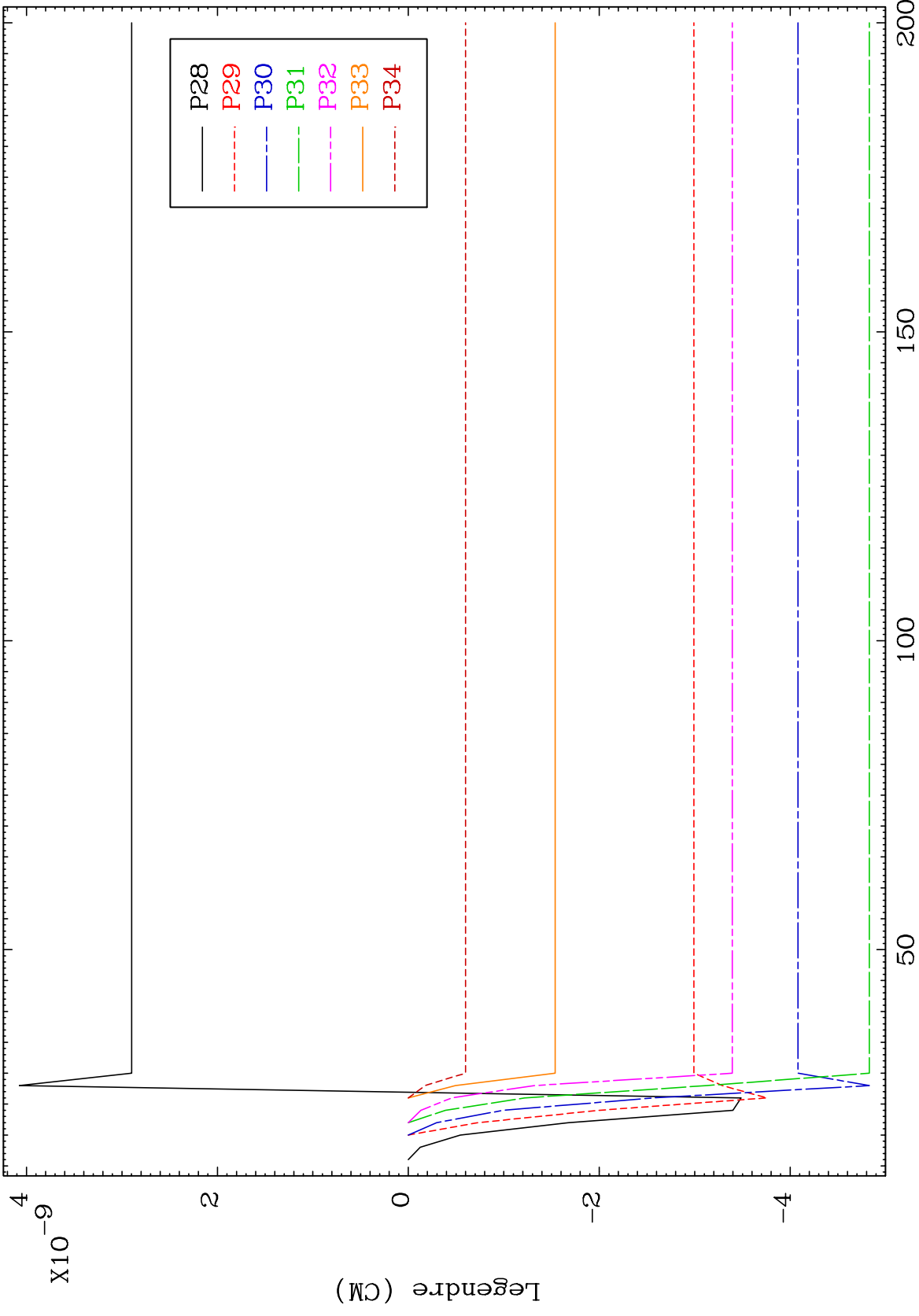
128

81-T1-199

MAT 8113

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

81-T1-199



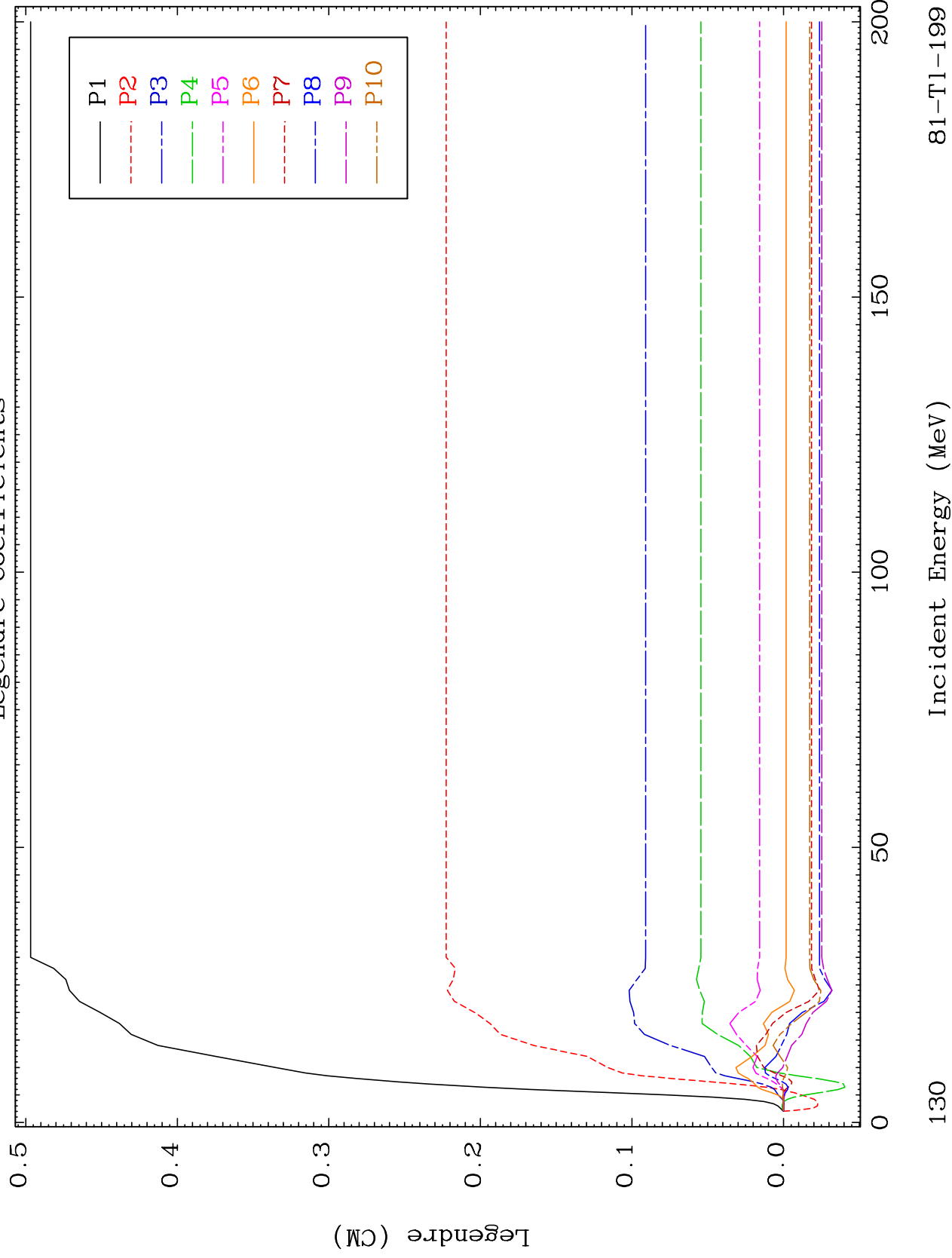
129

81-T1-199

MAT 81113

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

81-Tl-199



81-Tl-199

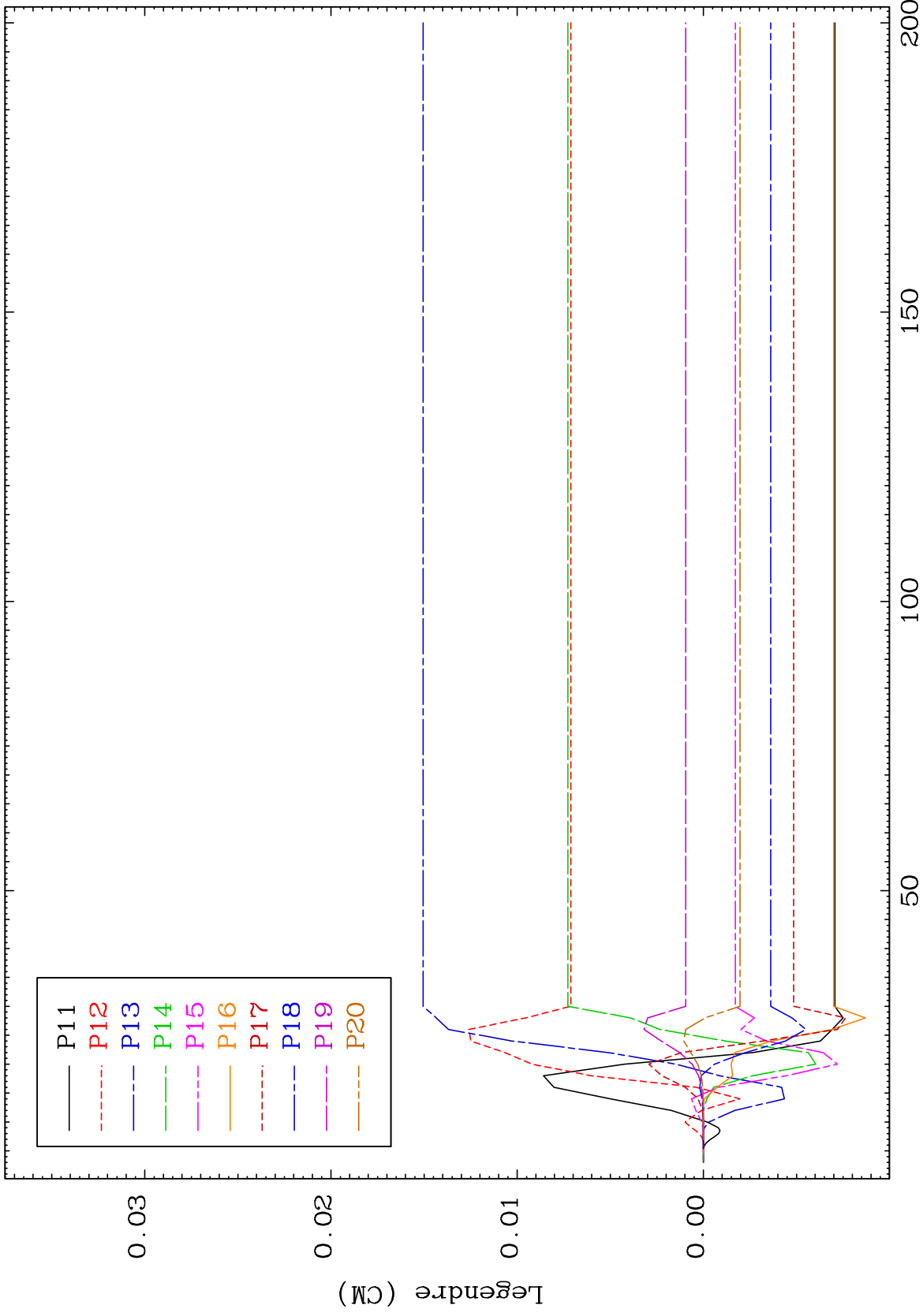
Incident Energy (MeV)

130

MAT 8113

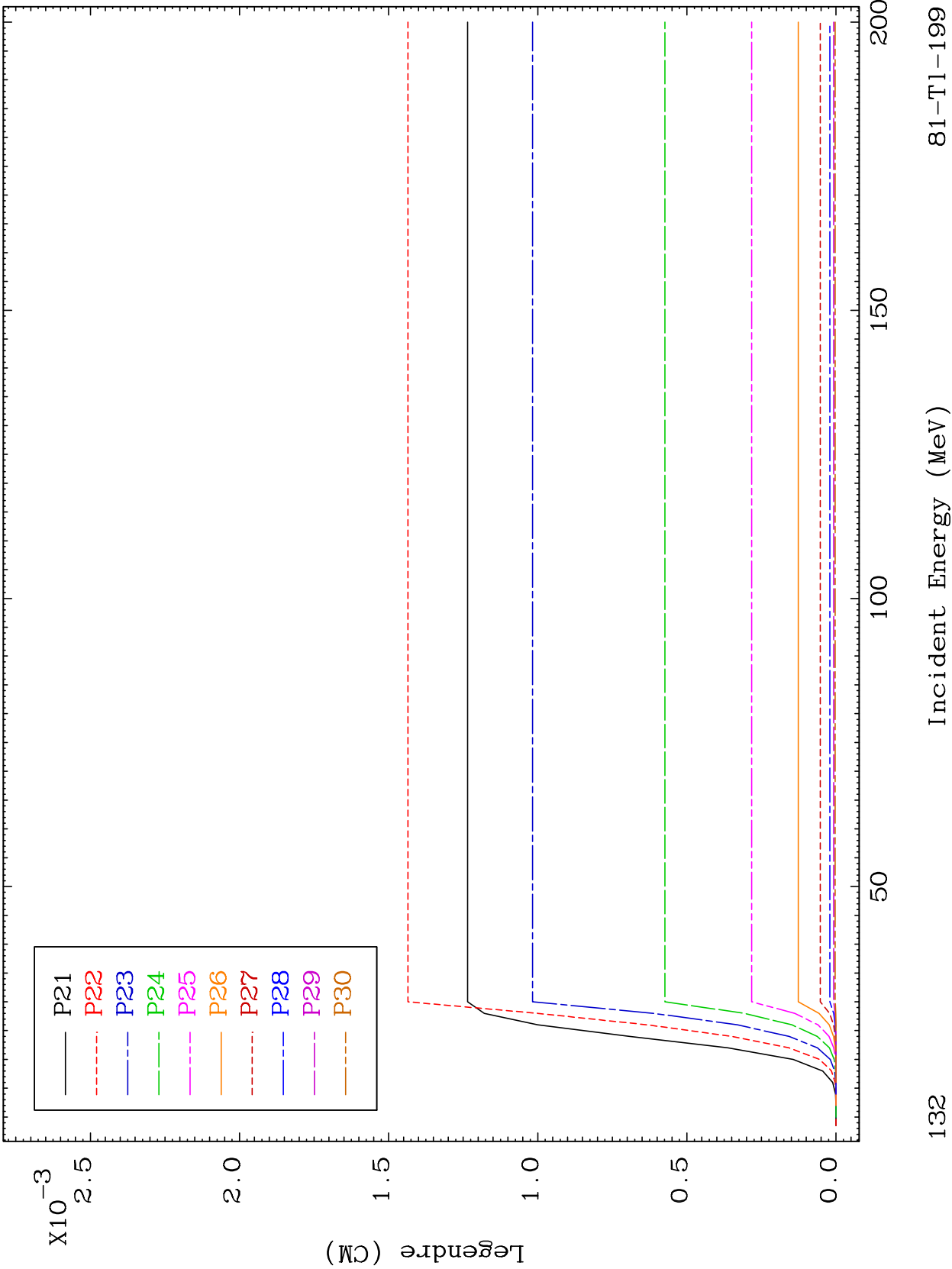
MT= 79 (n,n') Level
Legendre Coefficients

81-T1-199



131

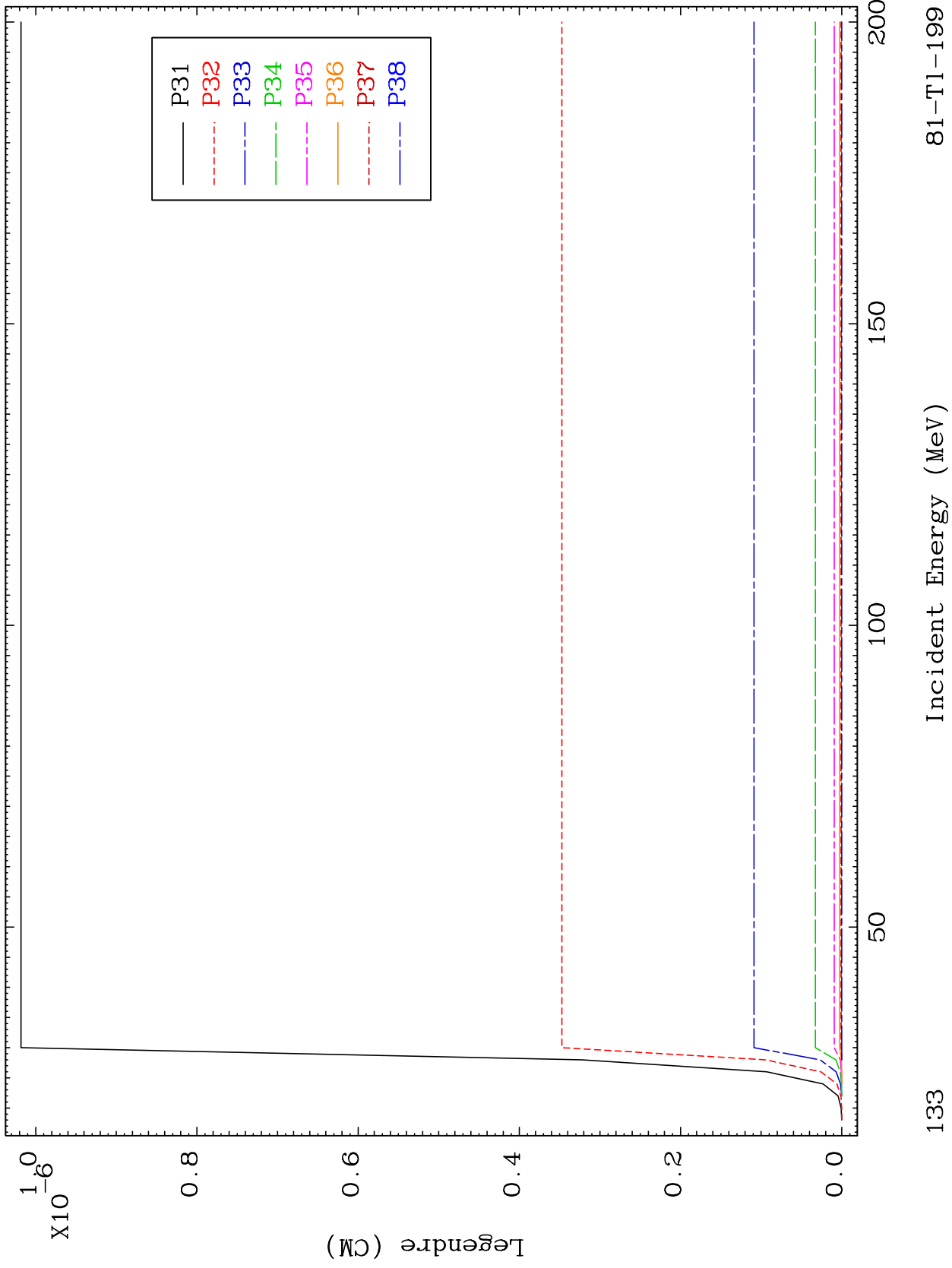
81-T1-199



MAT 81113

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

81-Tl-199



133

Incident Energy (MeV)

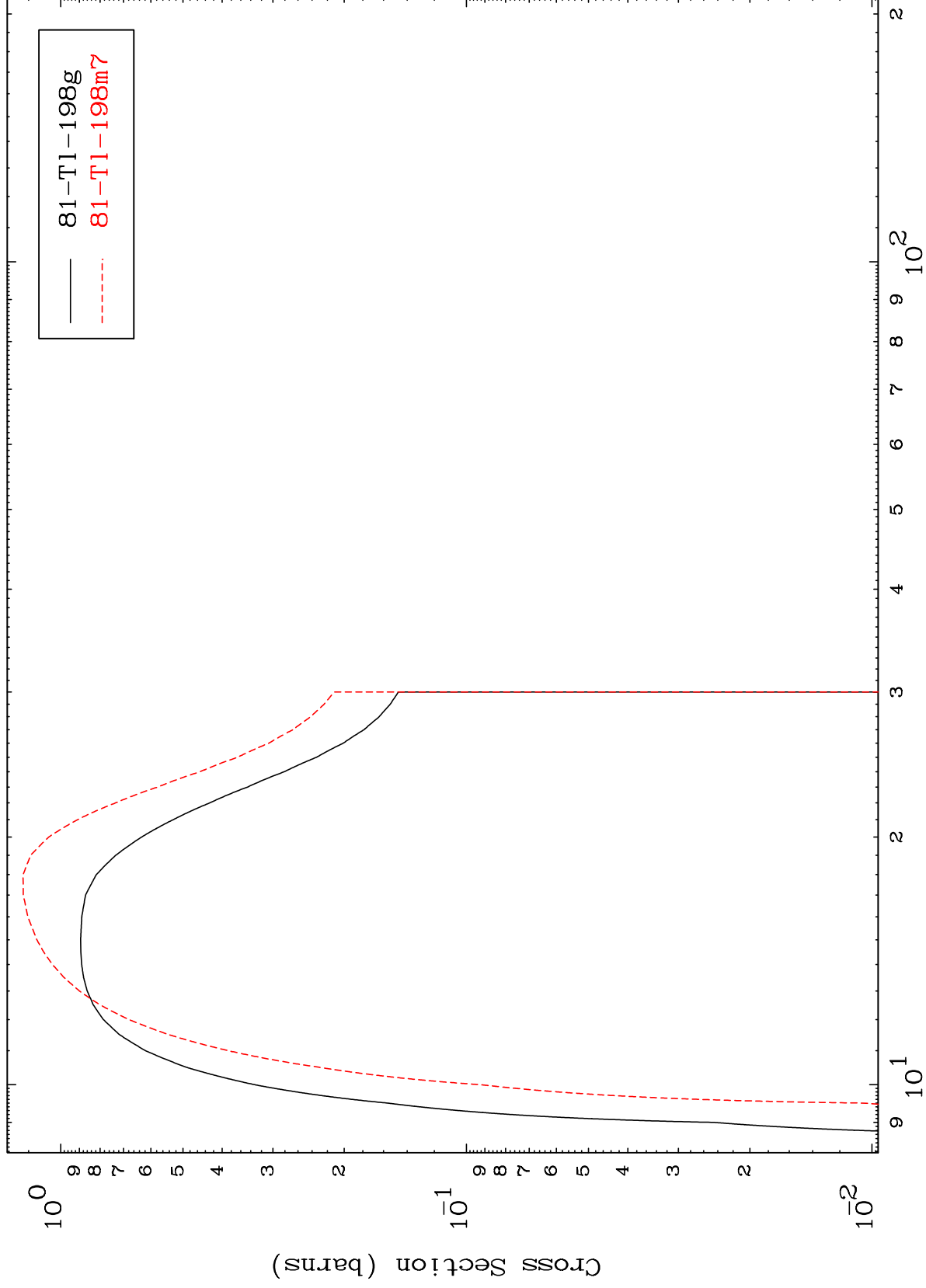
81-Tl-199

MAT 81113

(n,2n)

81-Tl-199

Radionuclide Production Cross Section



134

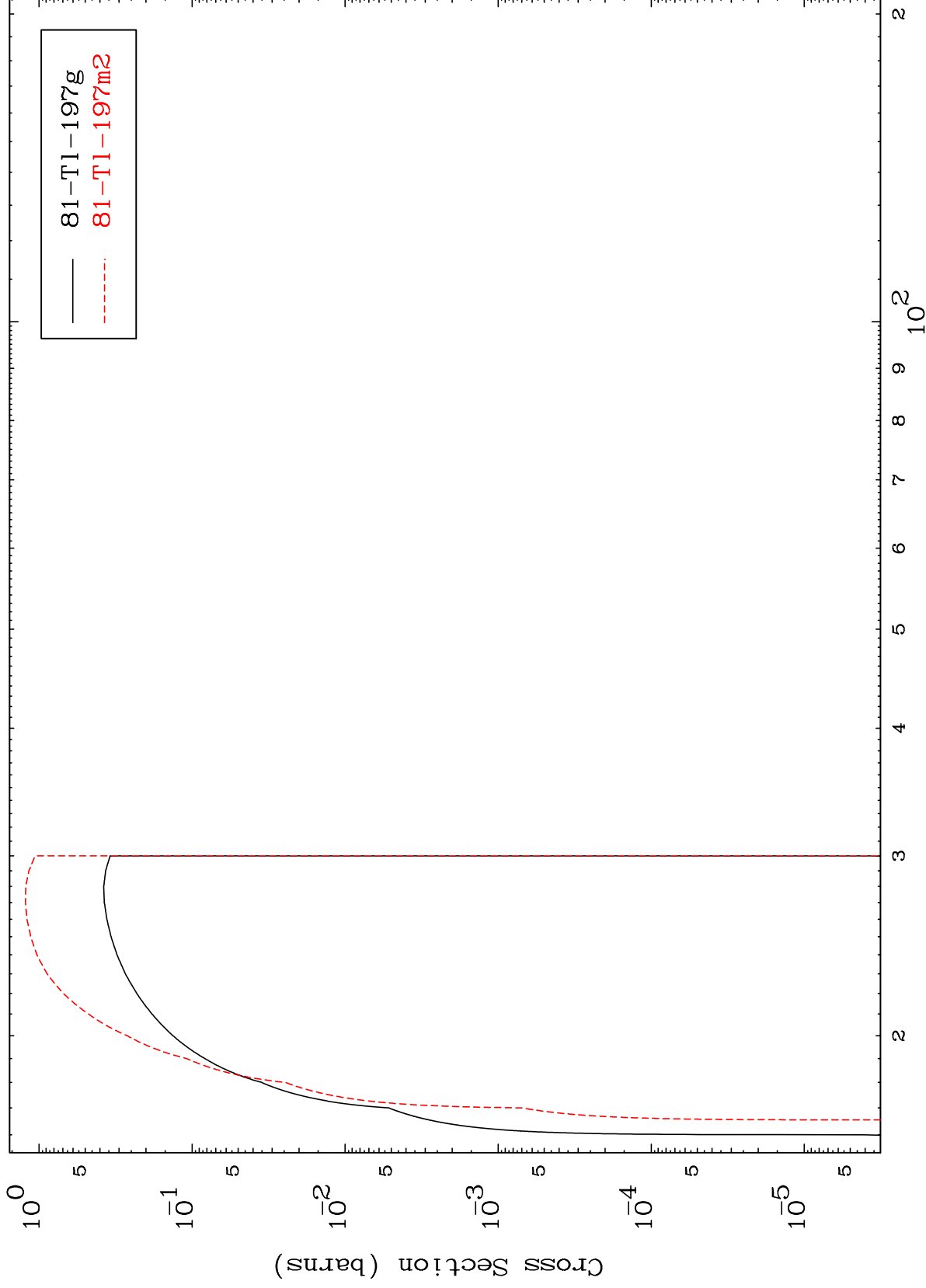
Incident Energy (MeV)

81-Tl-199

MAT 81113

81-Tl-199

(n,3n)
Radionuclide Production Cross Section



135

81-Tl-199

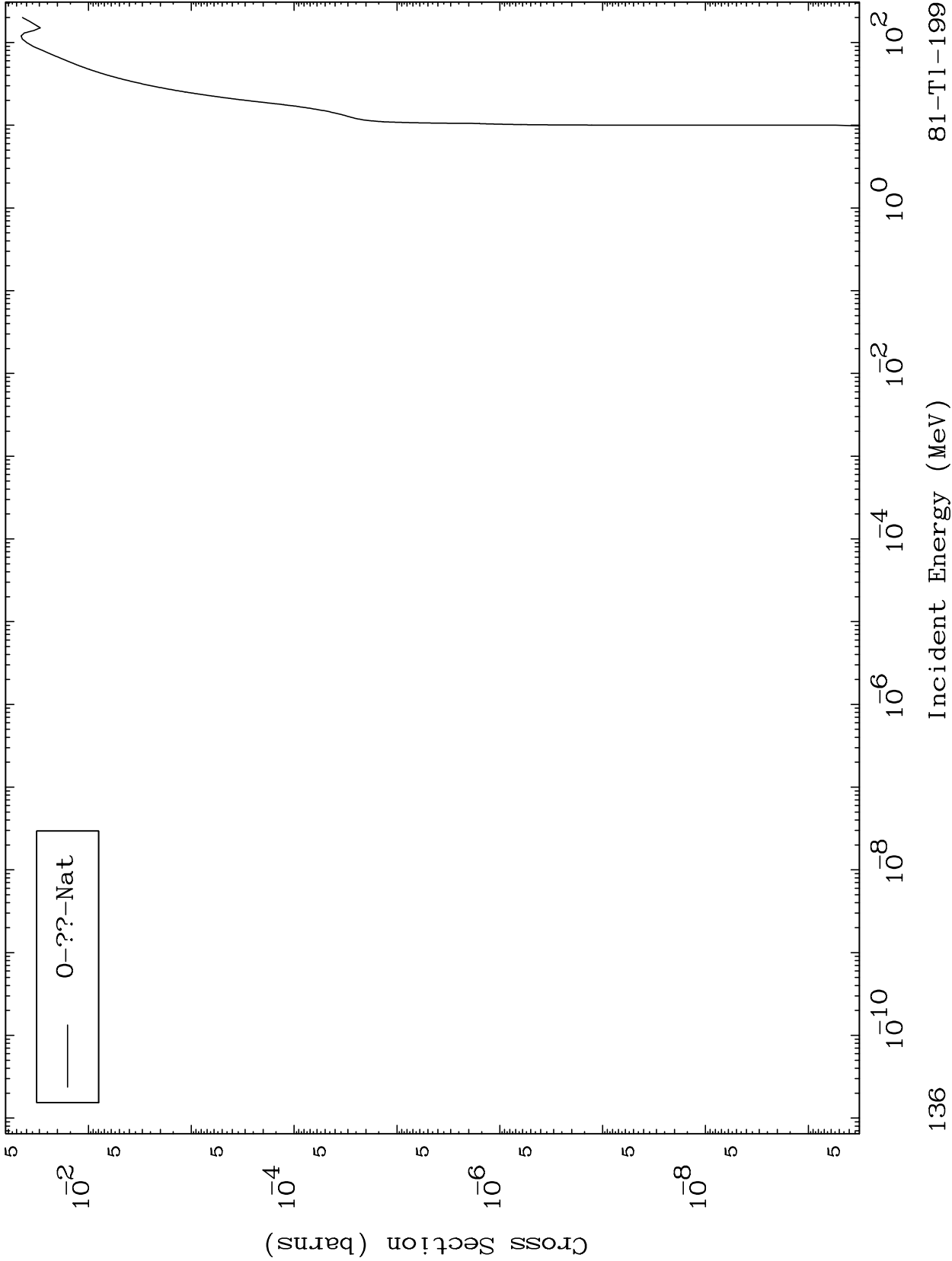
Incident Energy (MeV)

MAT 81113

Fission

81-Tl-199

Radionuclide Production Cross Section



136

Incident Energy (MeV)

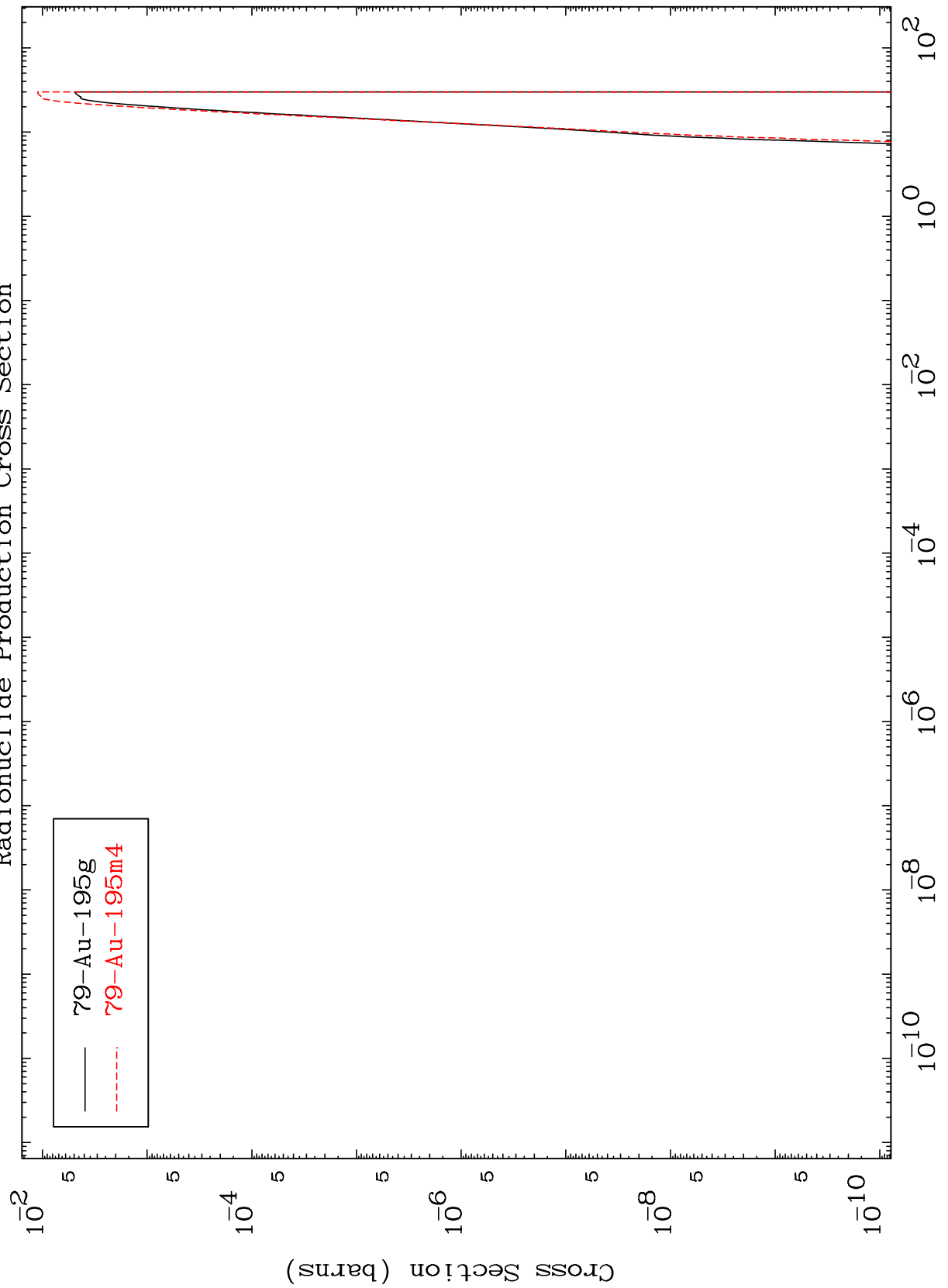
81-Tl-199

MAT 8113

$(n, n') \alpha$

81-Tl-199

Radionuclide Production Cross Section



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

137

Incident Energy (MeV)

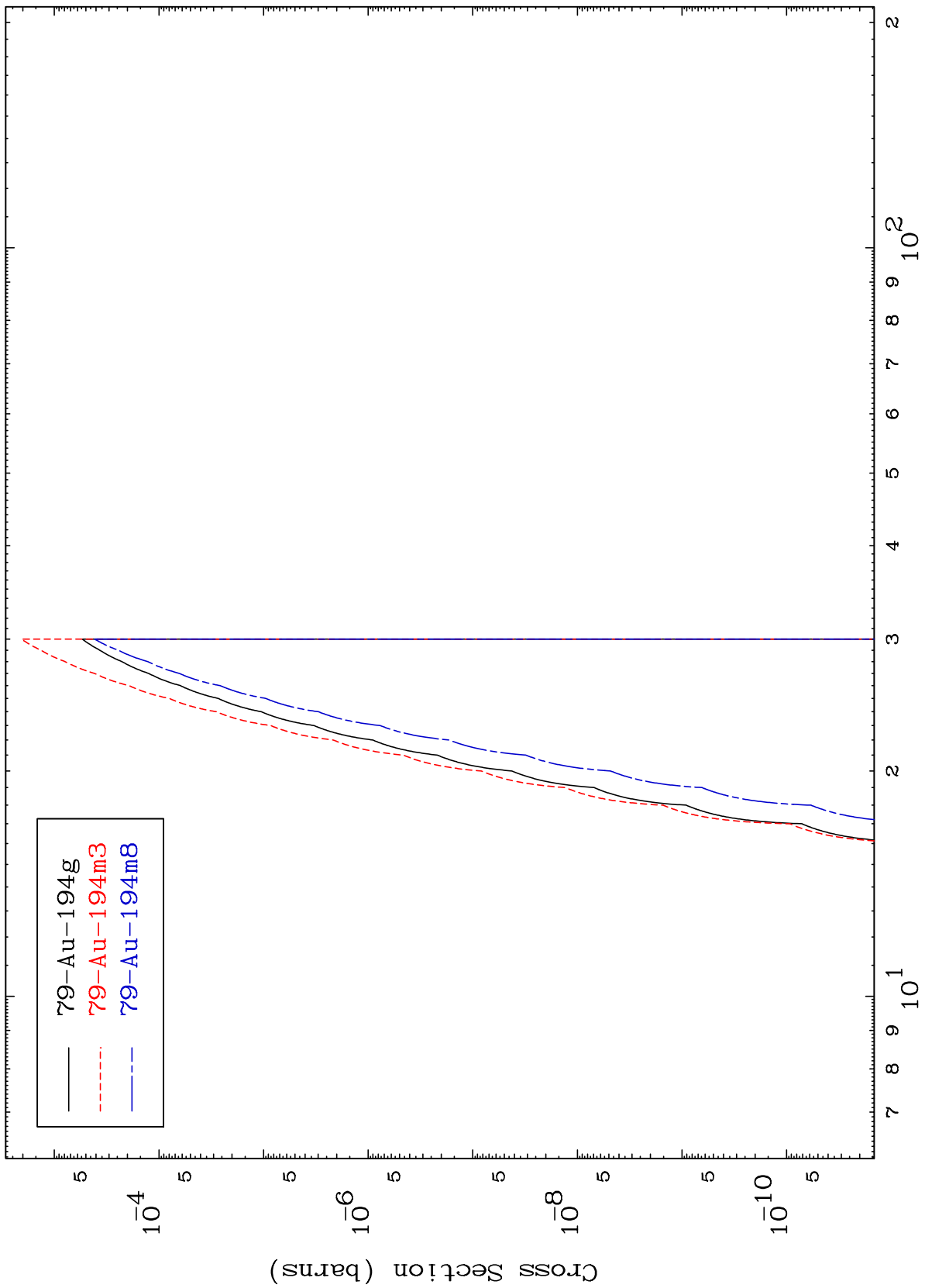
81-Tl-199

MAT 8113

81-Tl-199

(n,2n) α

Radionuclide Production Cross Section



138

Incident Energy (MeV)

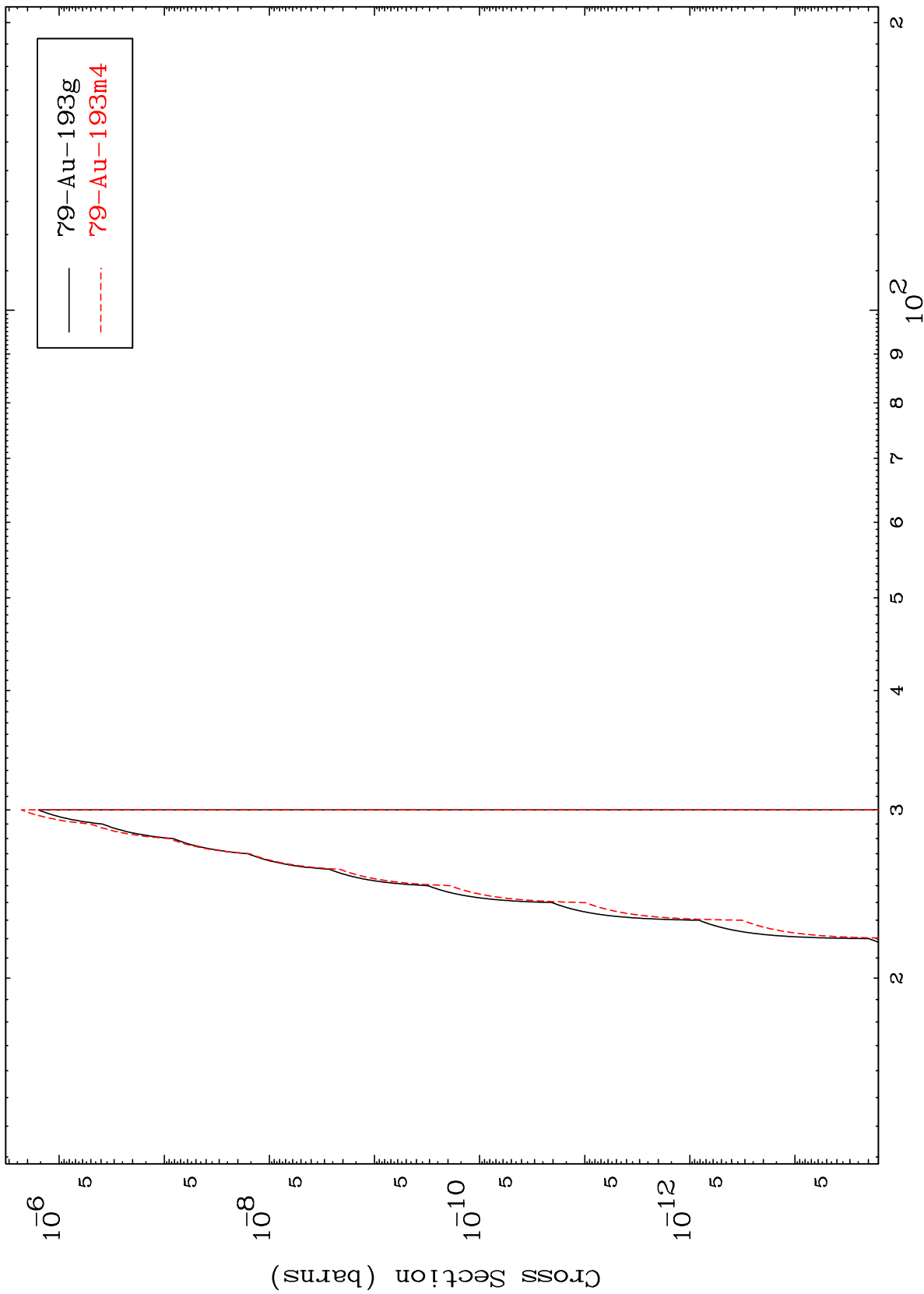
81-Tl-199

MAT 81113

(n,3n) α

81-Tl-199

Radionuclide Production Cross Section



139

Incident Energy (MeV)

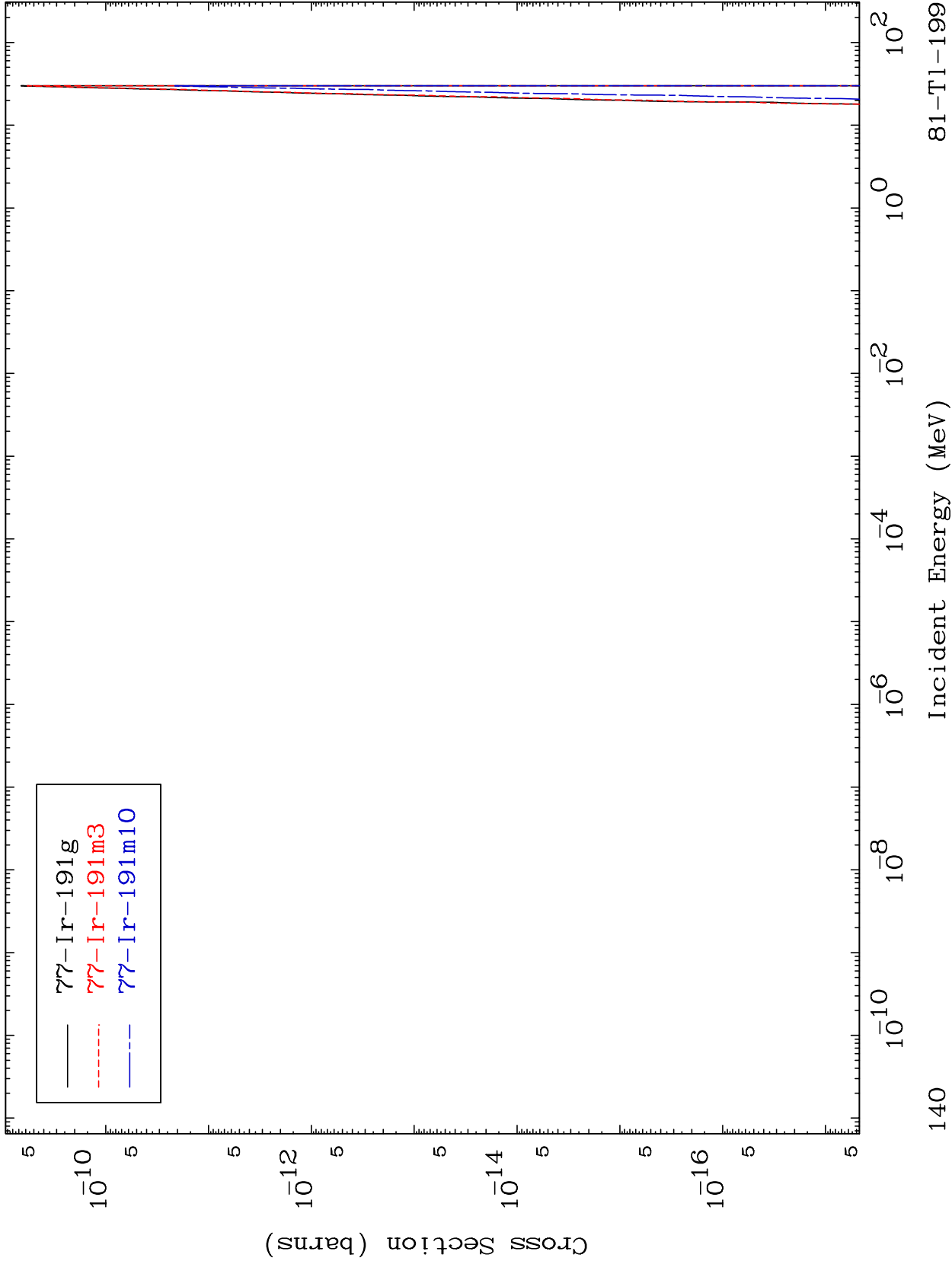
81-Tl-199

MAT 81113

(n,n') 2α

81-Tl-199

Radionuclide Production Cross Section



140

Incident Energy (MeV)

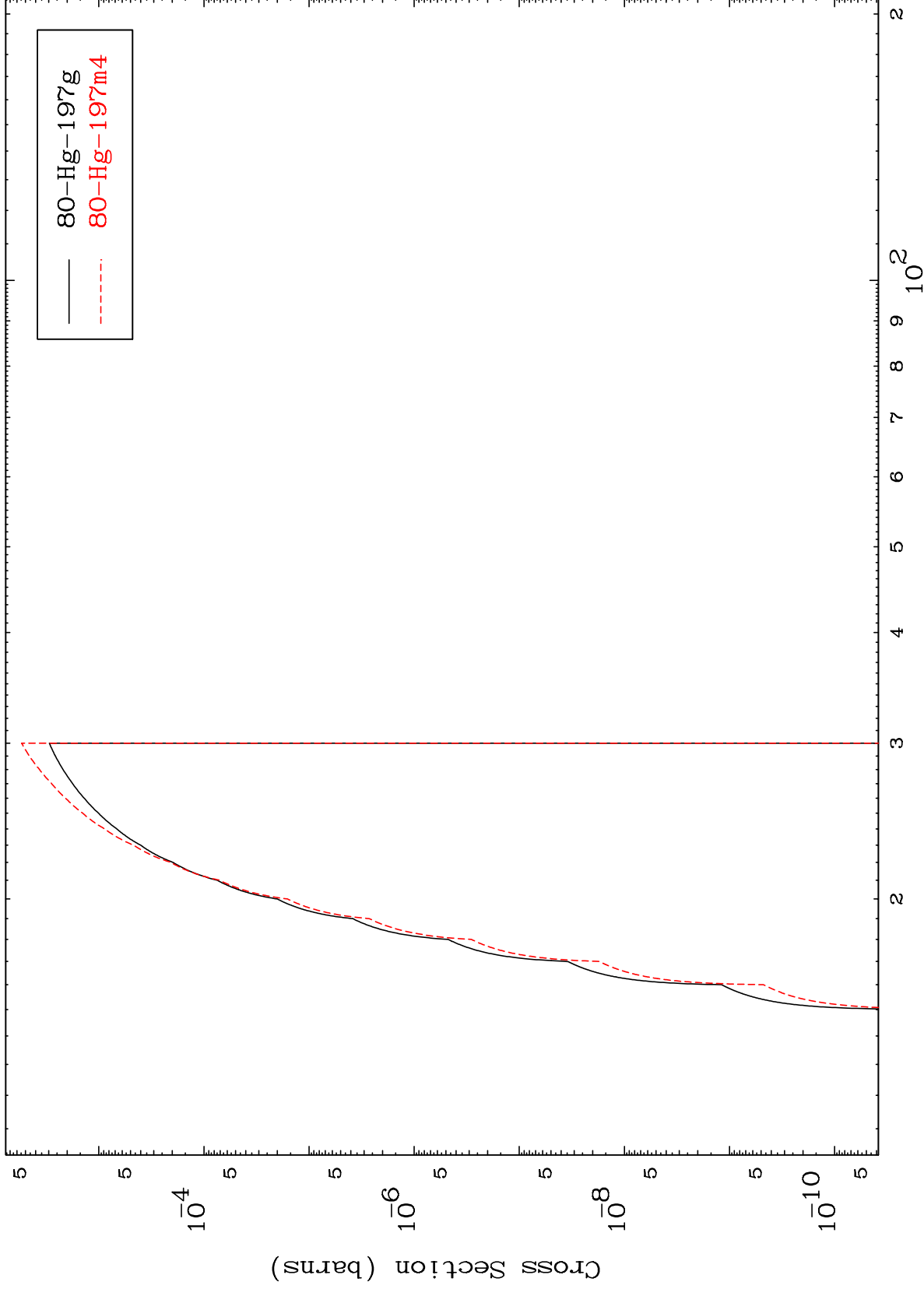
81-Tl-199

MAT 81113

(n,n') d

81-Tl-199

Radionuclide Production Cross Section

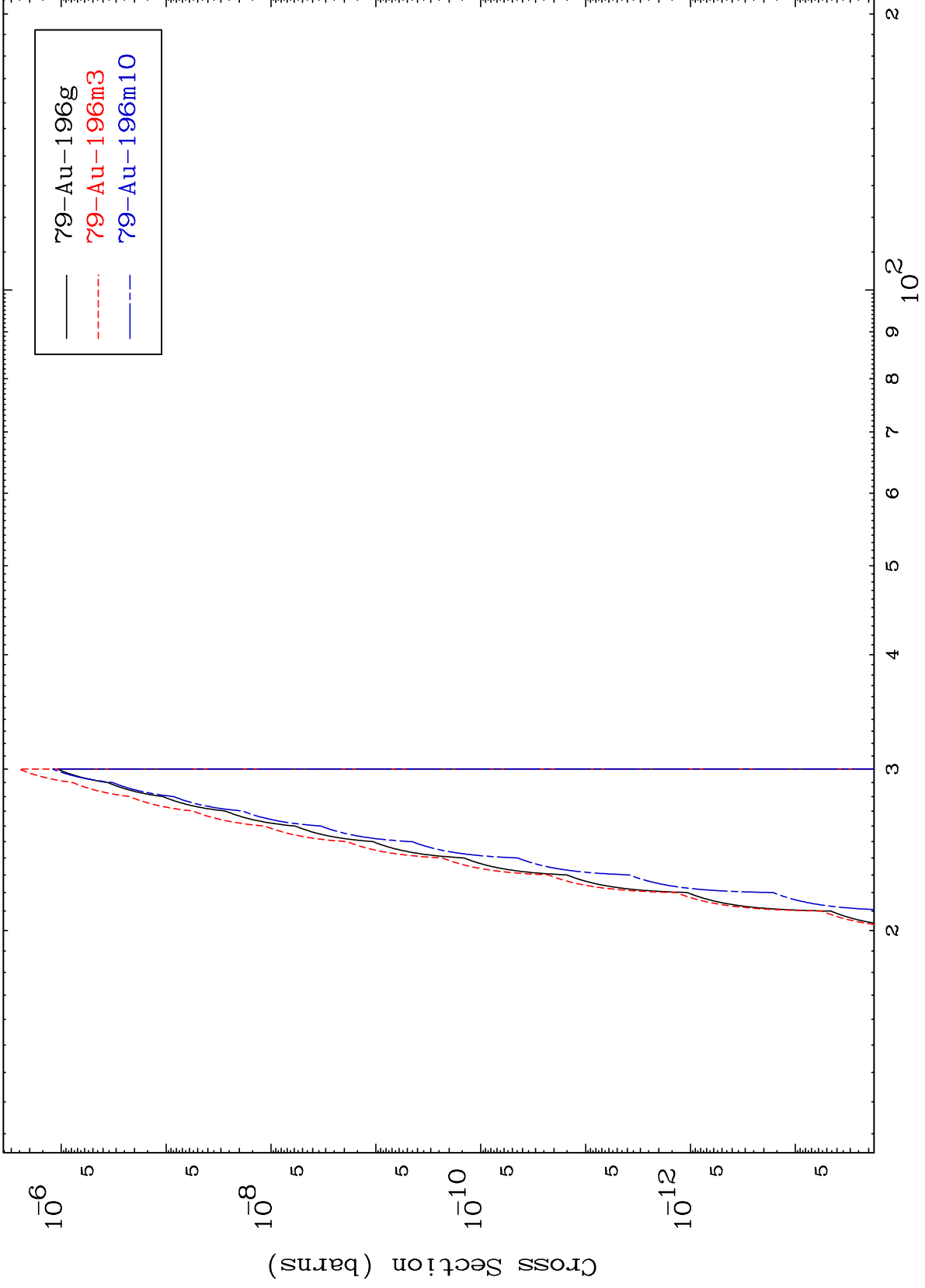


141

Incident Energy (MeV)

81-Tl-199

Radionuclide Production Cross Section

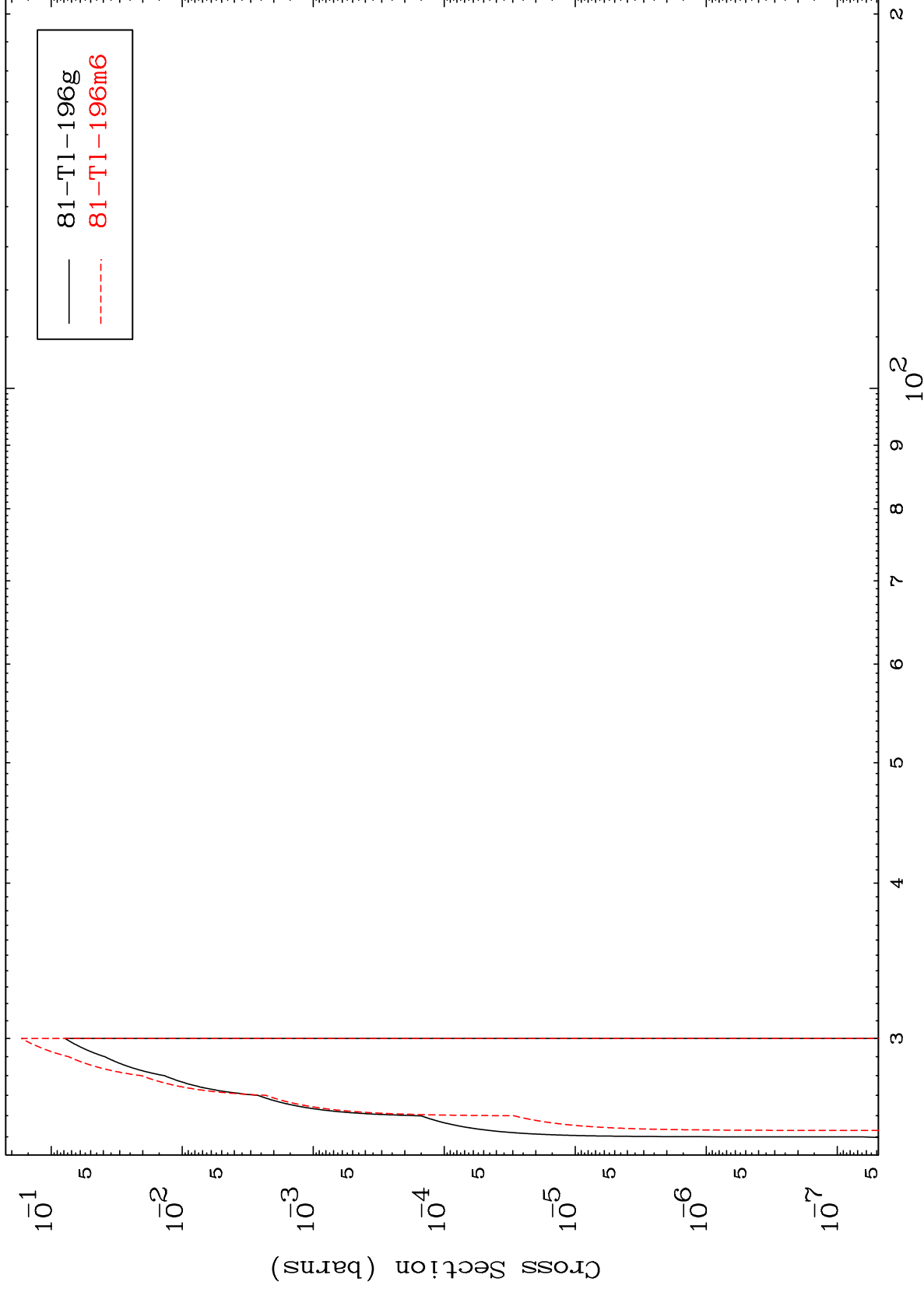


MAT 81113

(n,4n)

81-Tl-199

Radionuclide Production Cross Section

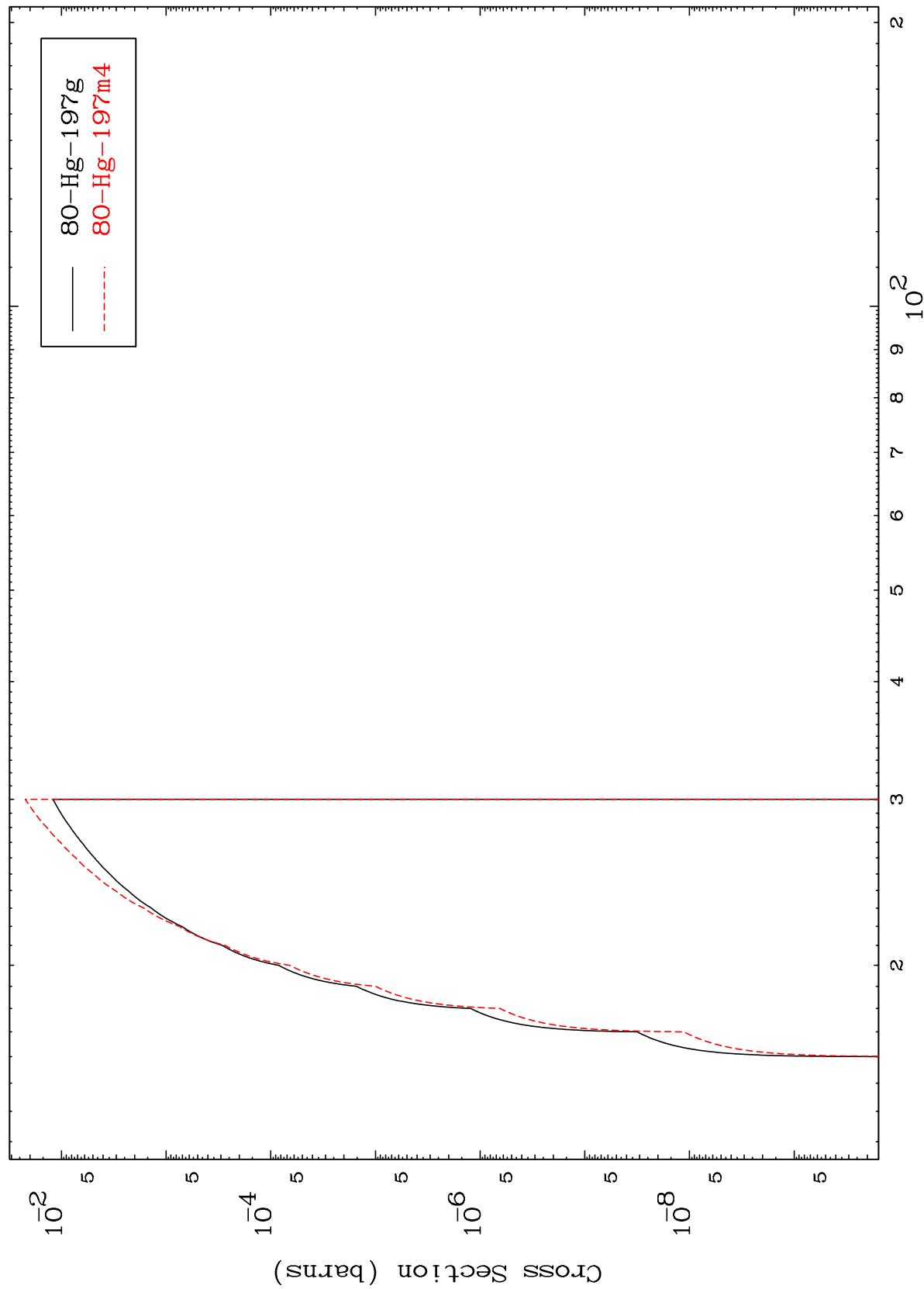


143

Incident Energy (MeV)

81-Tl-199

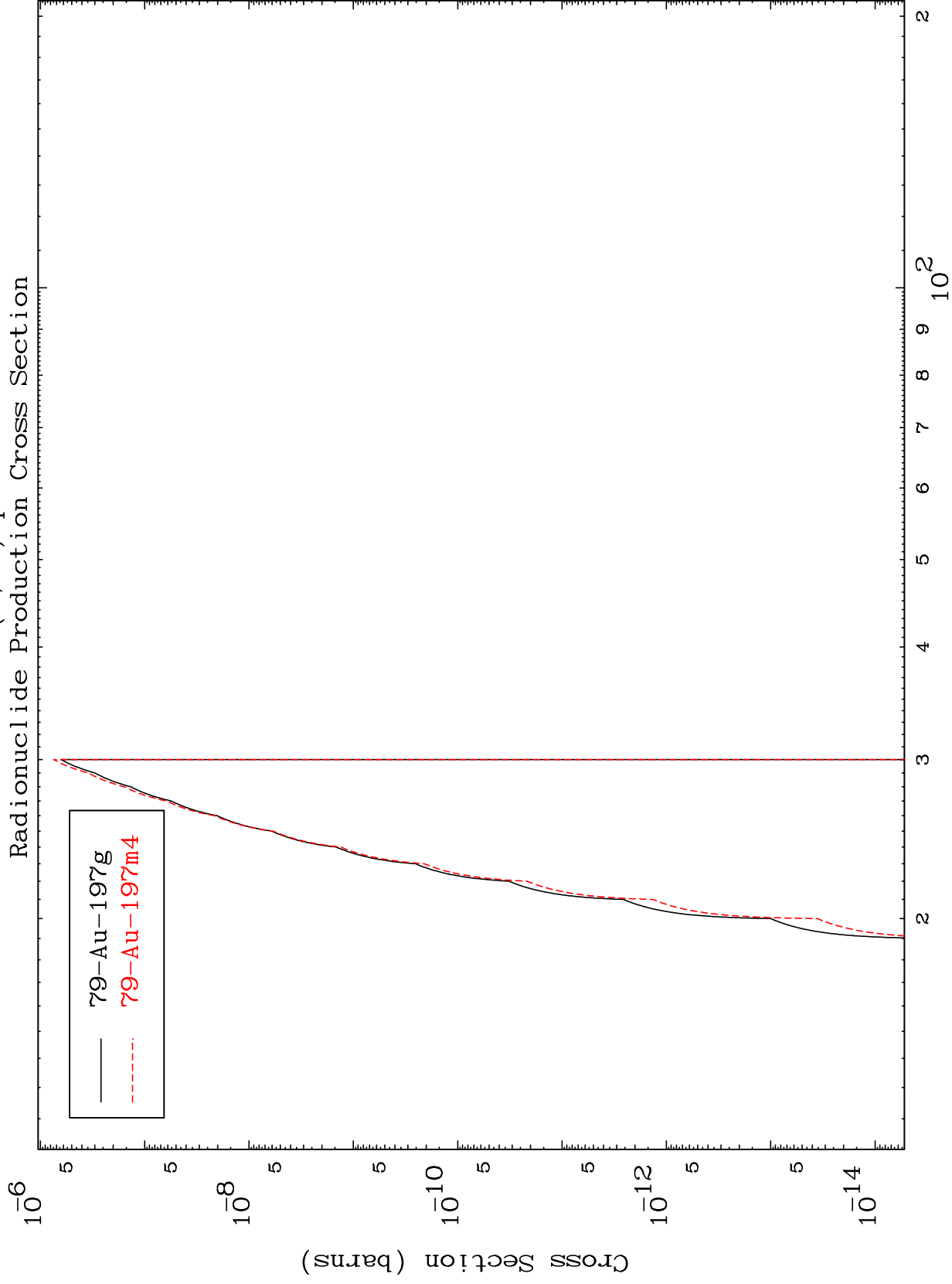
Radionuclide Production Cross Section



MAT 81113

81-T1-199

(n,2n) p
Radionuclide Production Cross Section



145

Incident Energy (MeV)

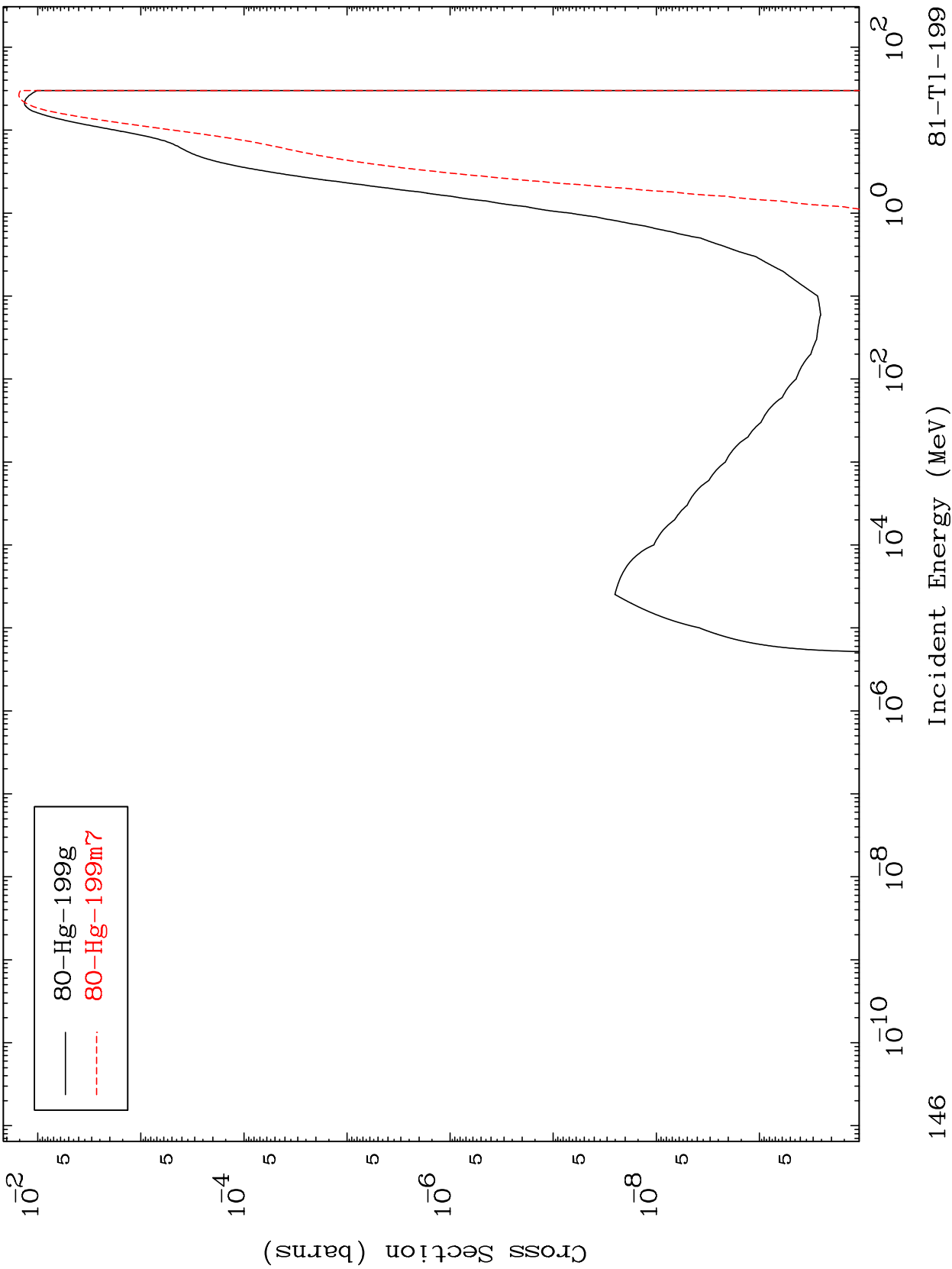
81-T1-199

MAT 8113

(n,p)

81-Tl-199

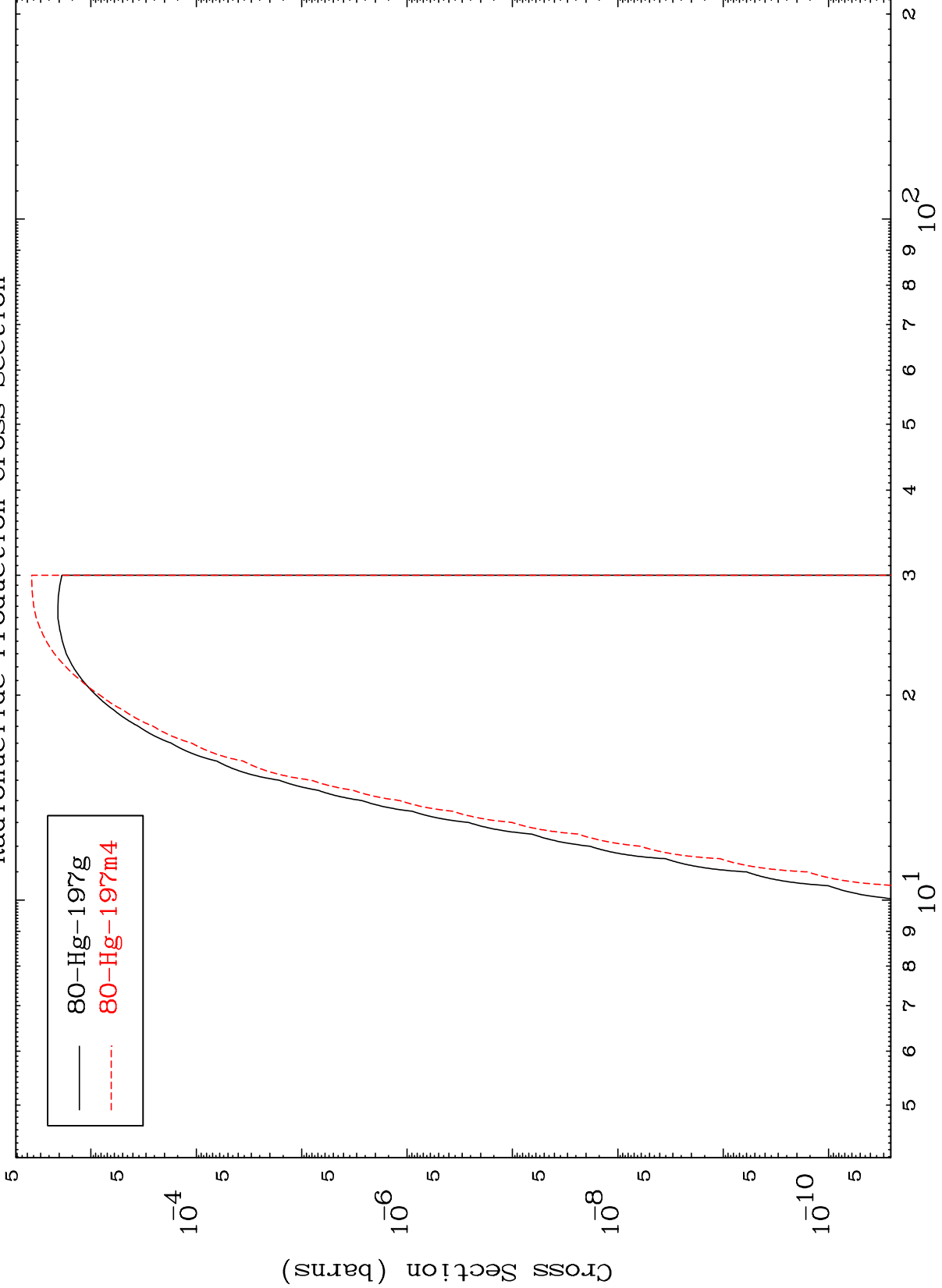
Radionuclide Production Cross Section



MAT 8113

81-T1-199

Radionuclide Production Cross Section
(n, t)



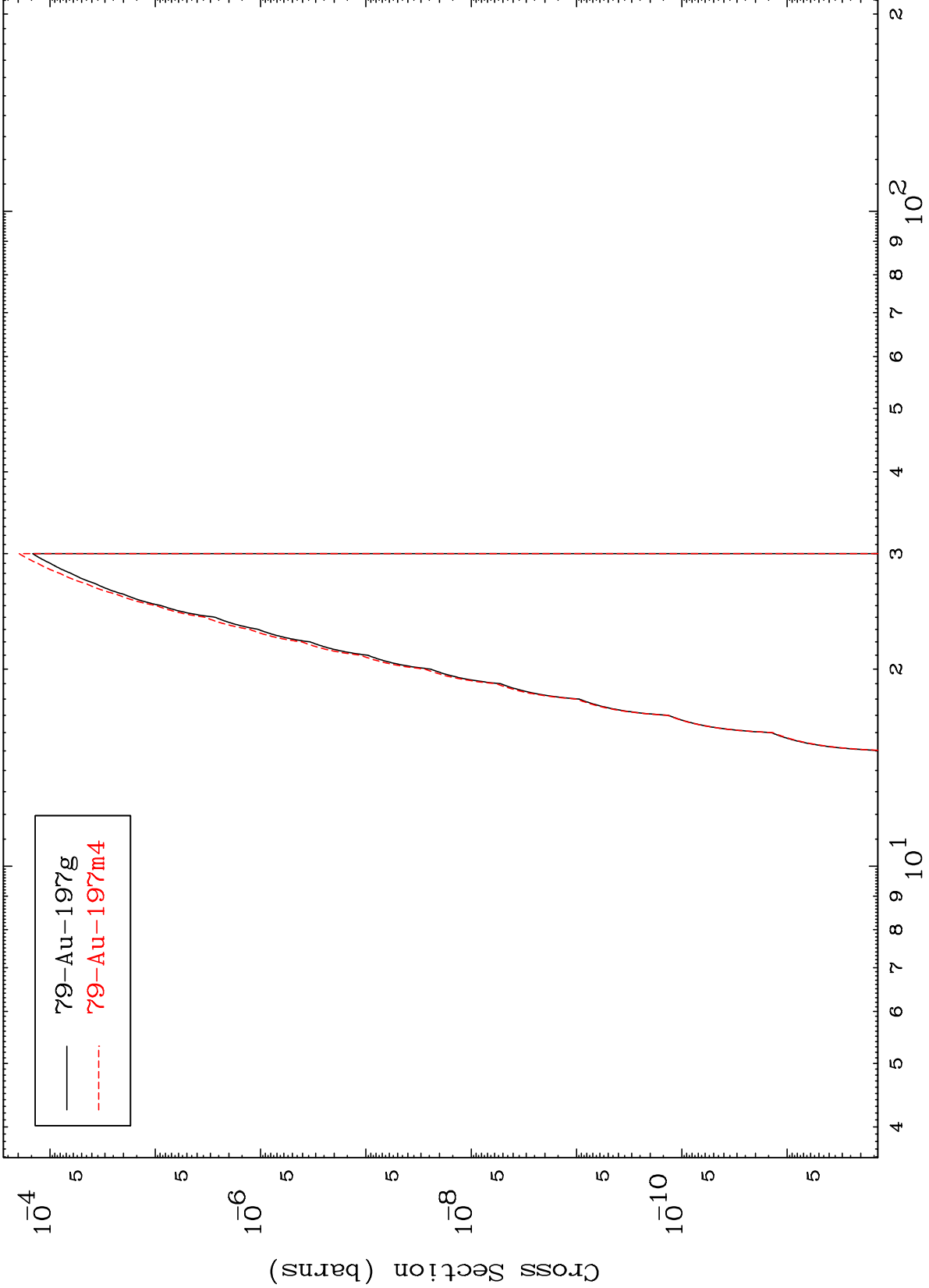
80-Hg-197g
80-Hg-197m4

147

Incident Energy (MeV)

81-T1-199

Radionuclide Production Cross Section

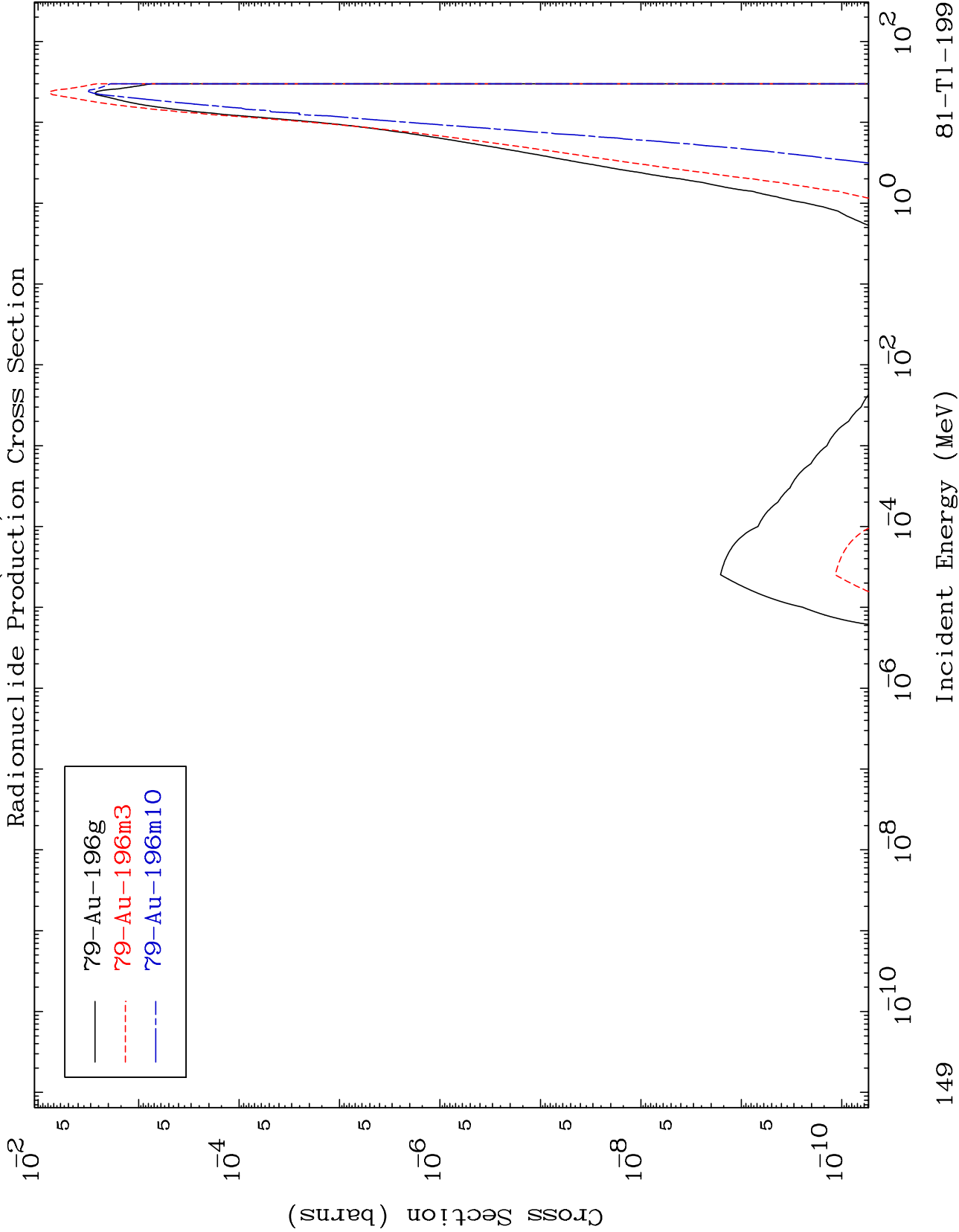


— $^{79}\text{Au-197g}$
- - - $^{79}\text{Au-197m4}$

MAT 8113

81-Tl-199

Radionuclide Production Cross Section
(n, α)

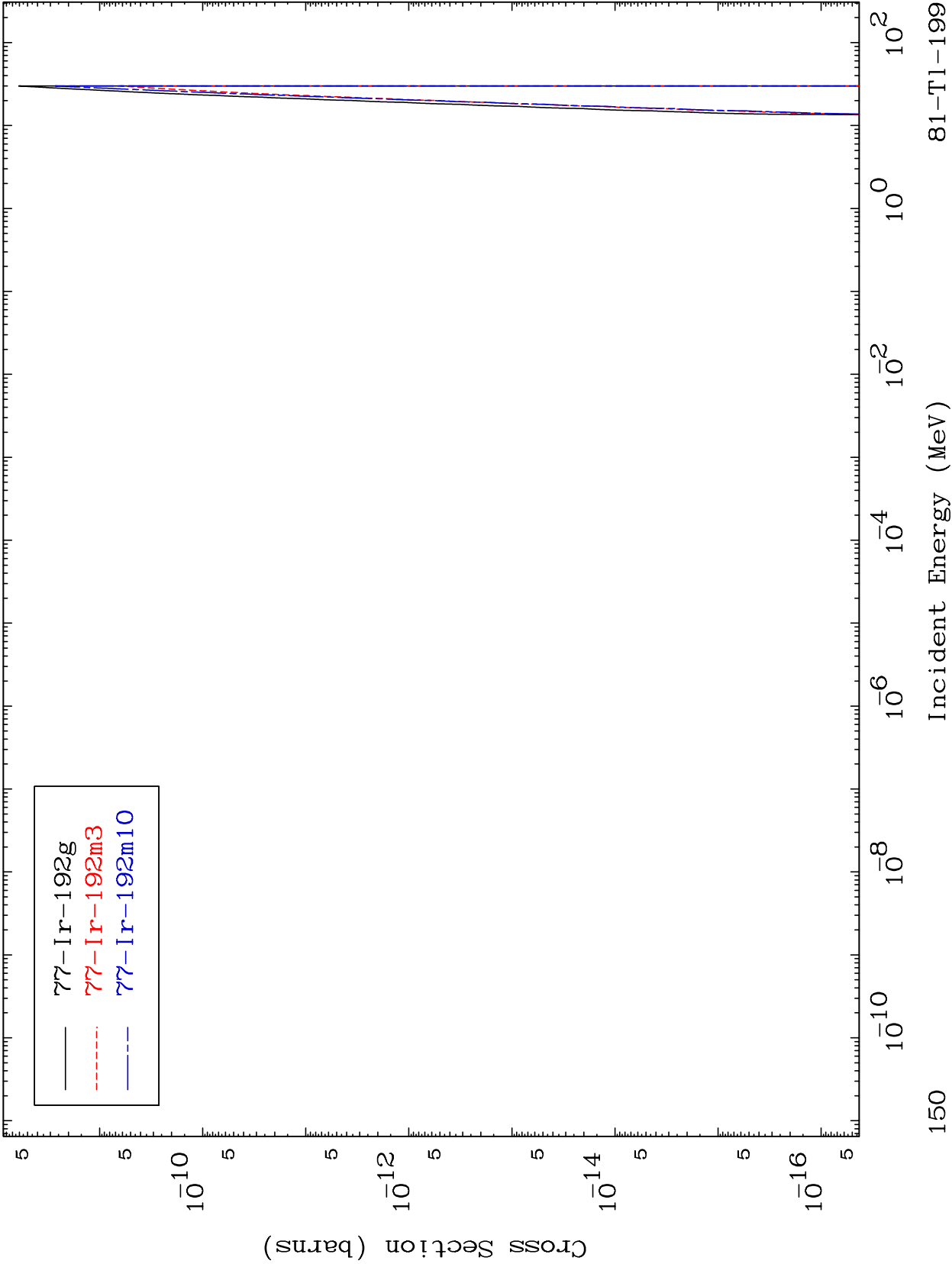


MAT 8113

(n,2α)

81-Tl-199

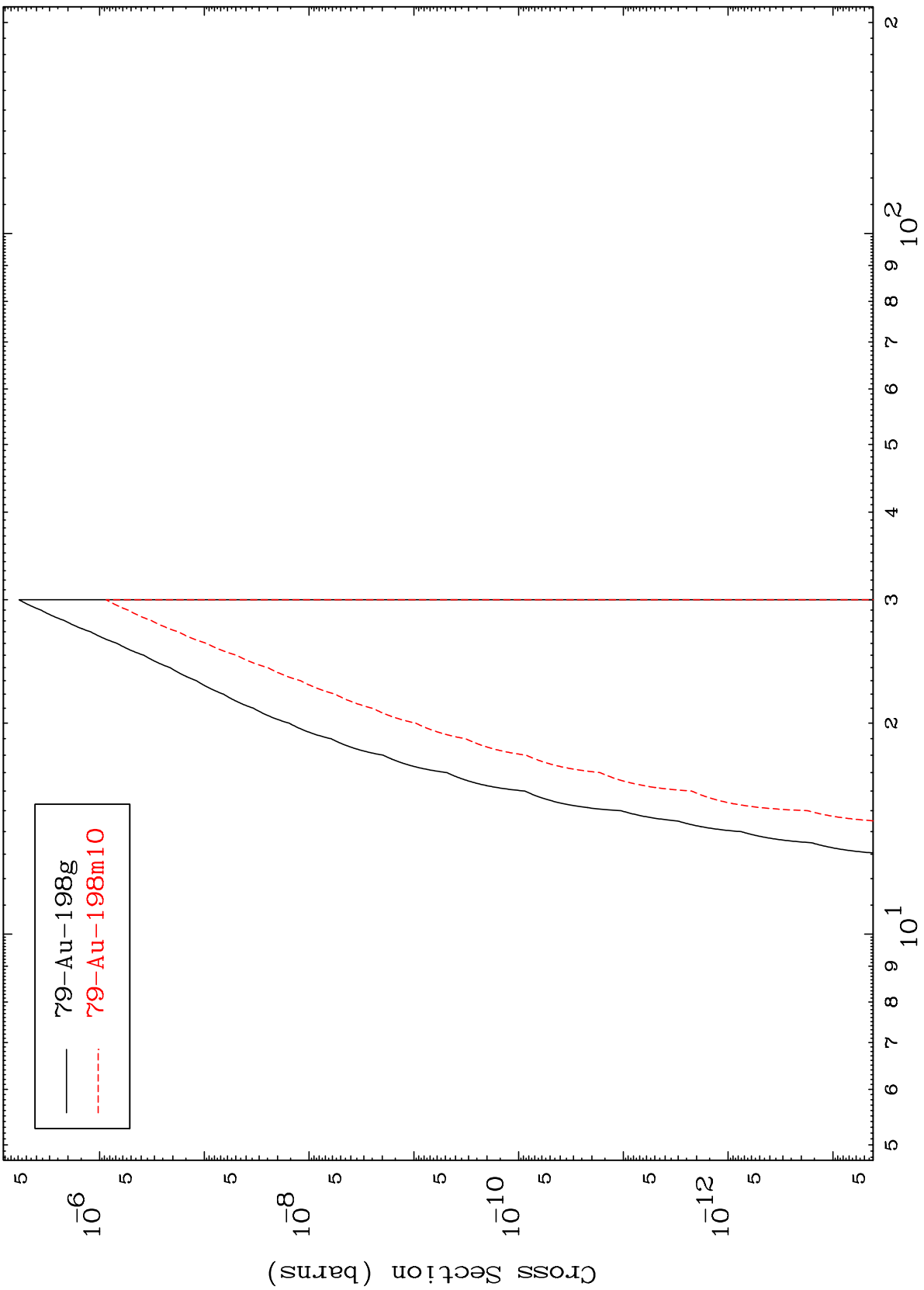
Radionuclide Production Cross Section



MAT 81113

81-Tl-199

(n,2p)
Radionuclide Production Cross Section



151

Incident Energy (MeV)

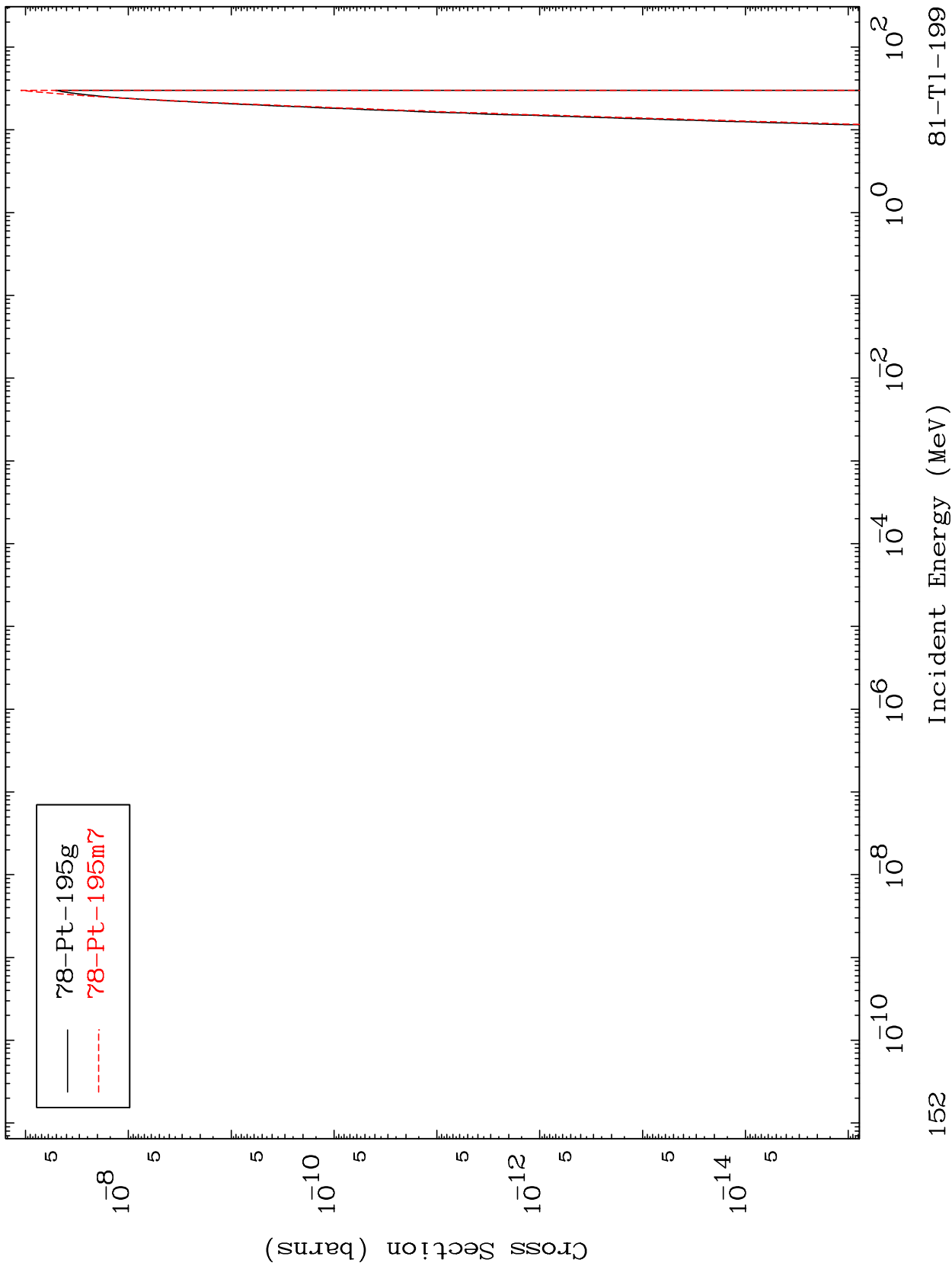
81-Tl-199

MAT 8113

(n,p) α

81-Tl-199

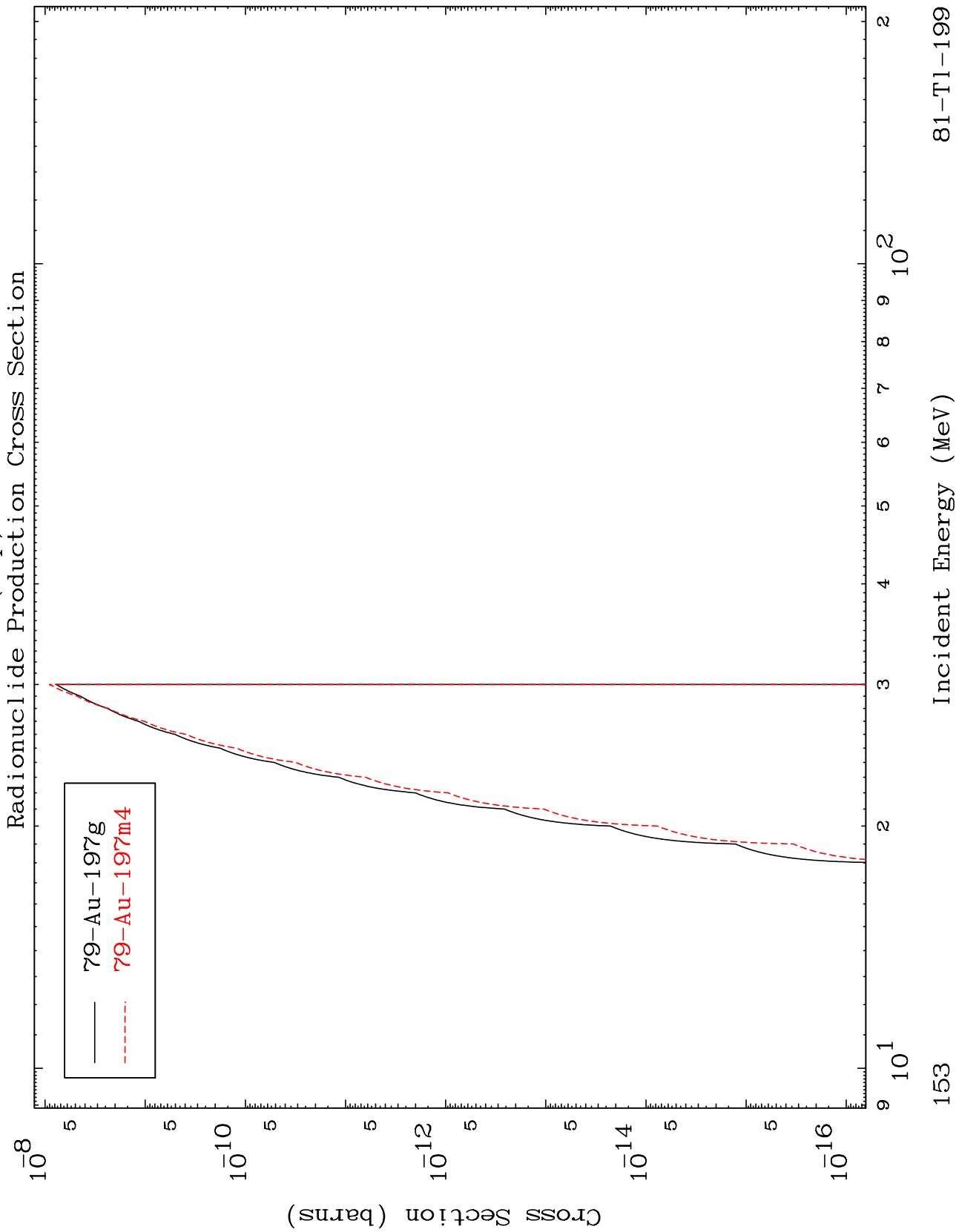
Radionuclide Production Cross Section



MAT 81113

(n,p) d

81-Tl-199

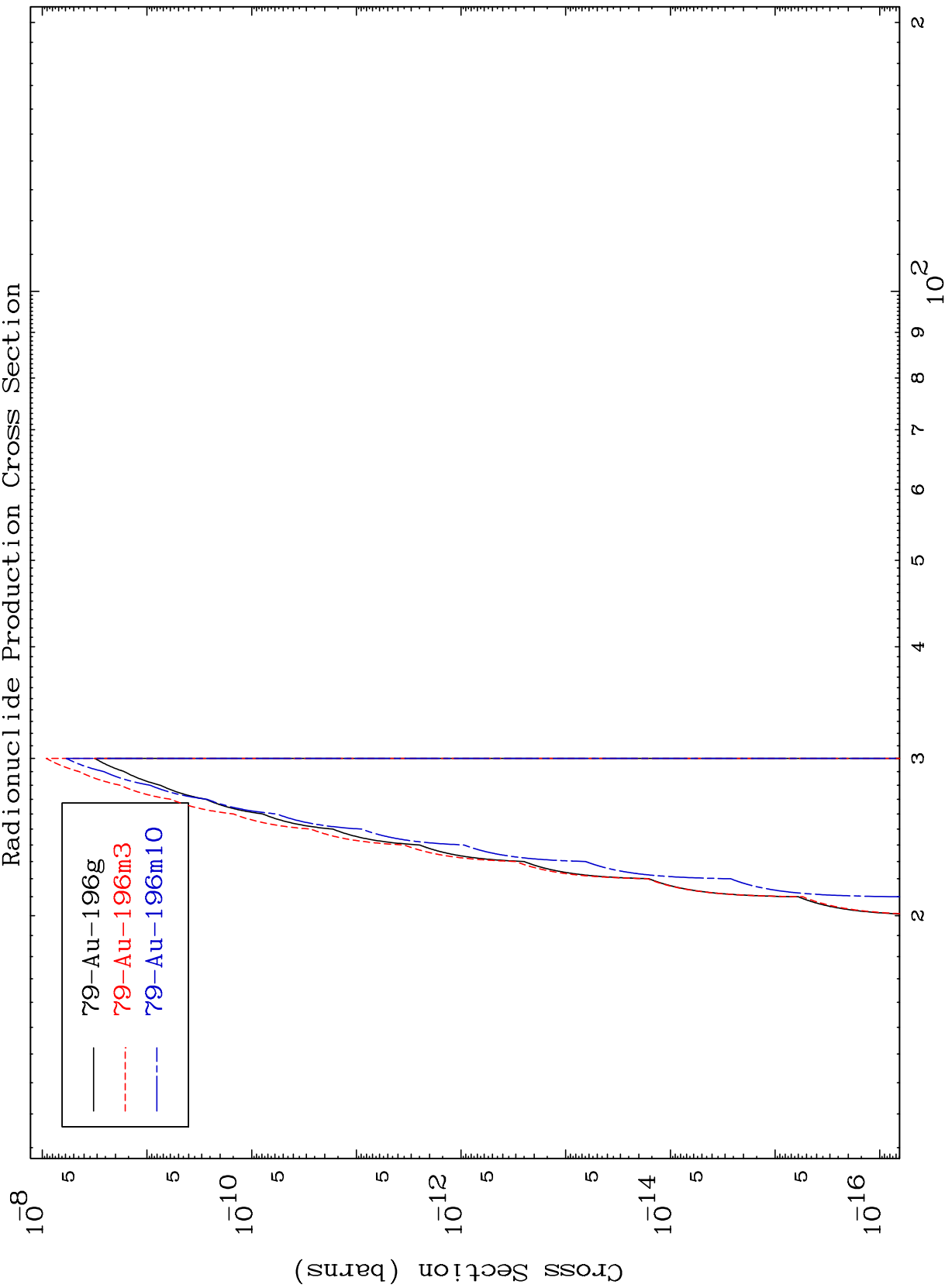


MAT 8113

(n,p) t

81-Tl-199

Radionuclide Production Cross Section



154

Incident Energy (MeV)

81-Tl-199