

Program EVALPLOT
(Version 2021-1)

by

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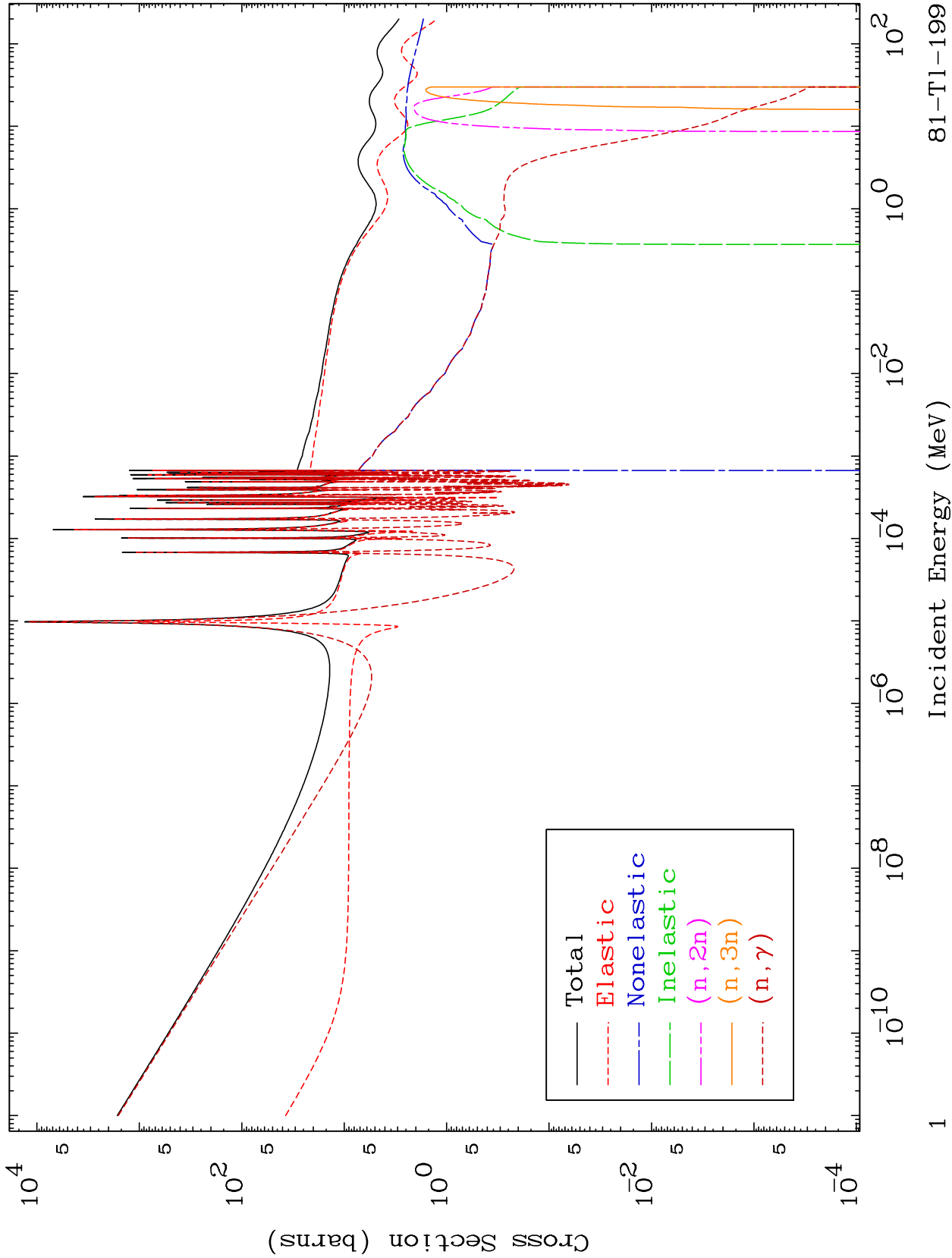
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Press Mouse Button to Start

MAT 81113

Neutron Major
293 Kelvin Cross Sections

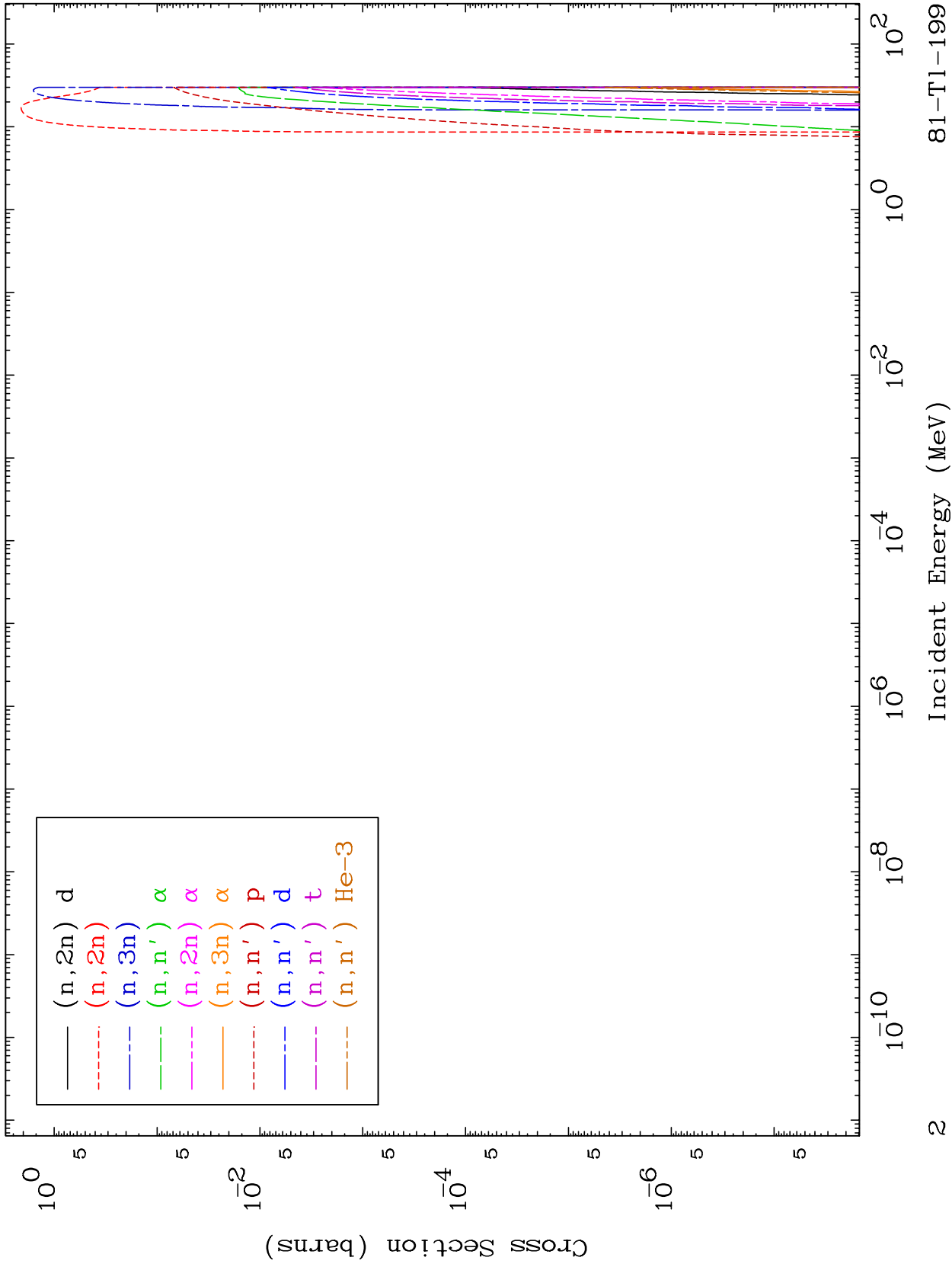
81-T1-199



MAT 8113

Neutron Absorption
293 Kelvin Cross Sections

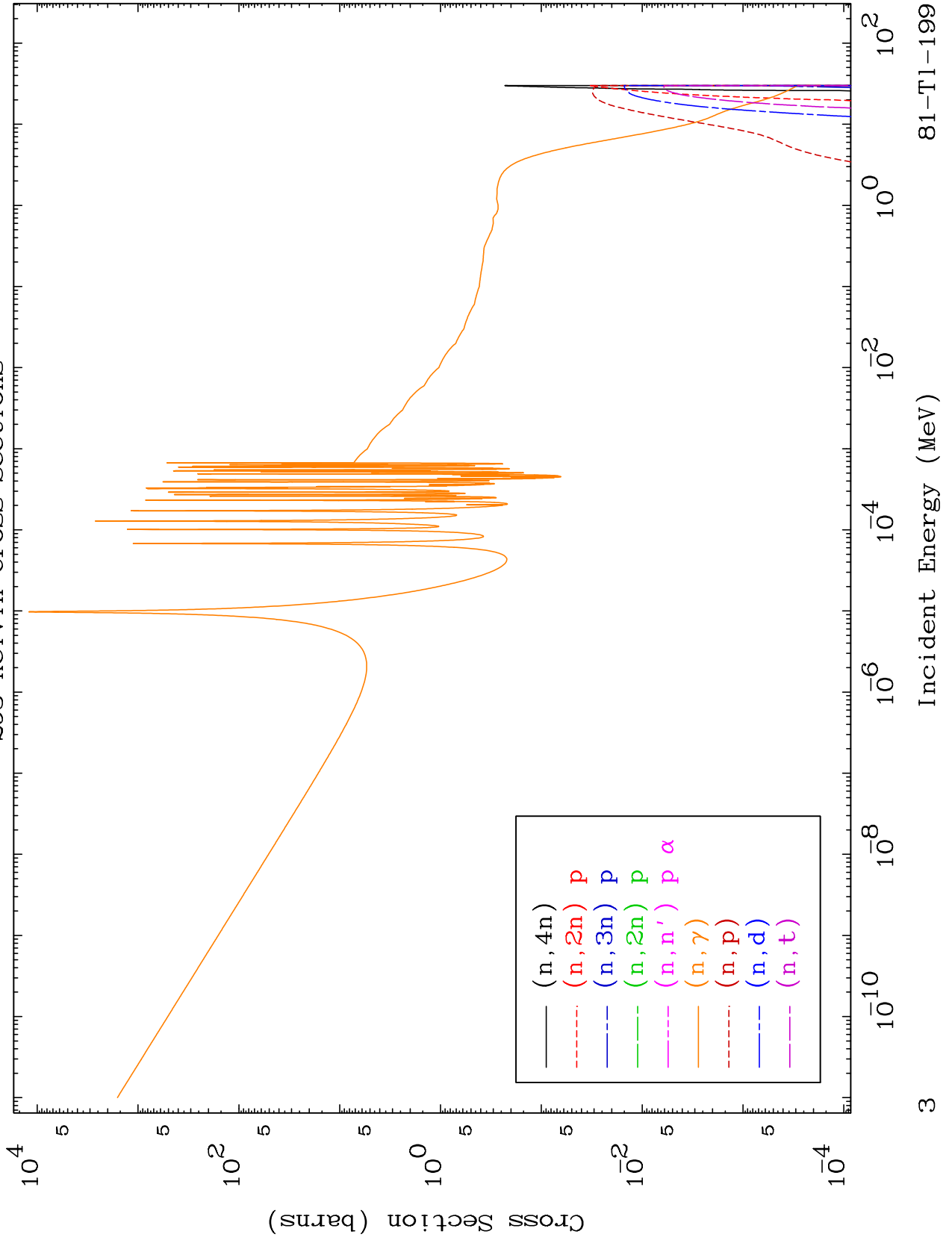
81-Tl-199



MAT 81113

Neutron Absorption
293 Kelvin Cross Sections

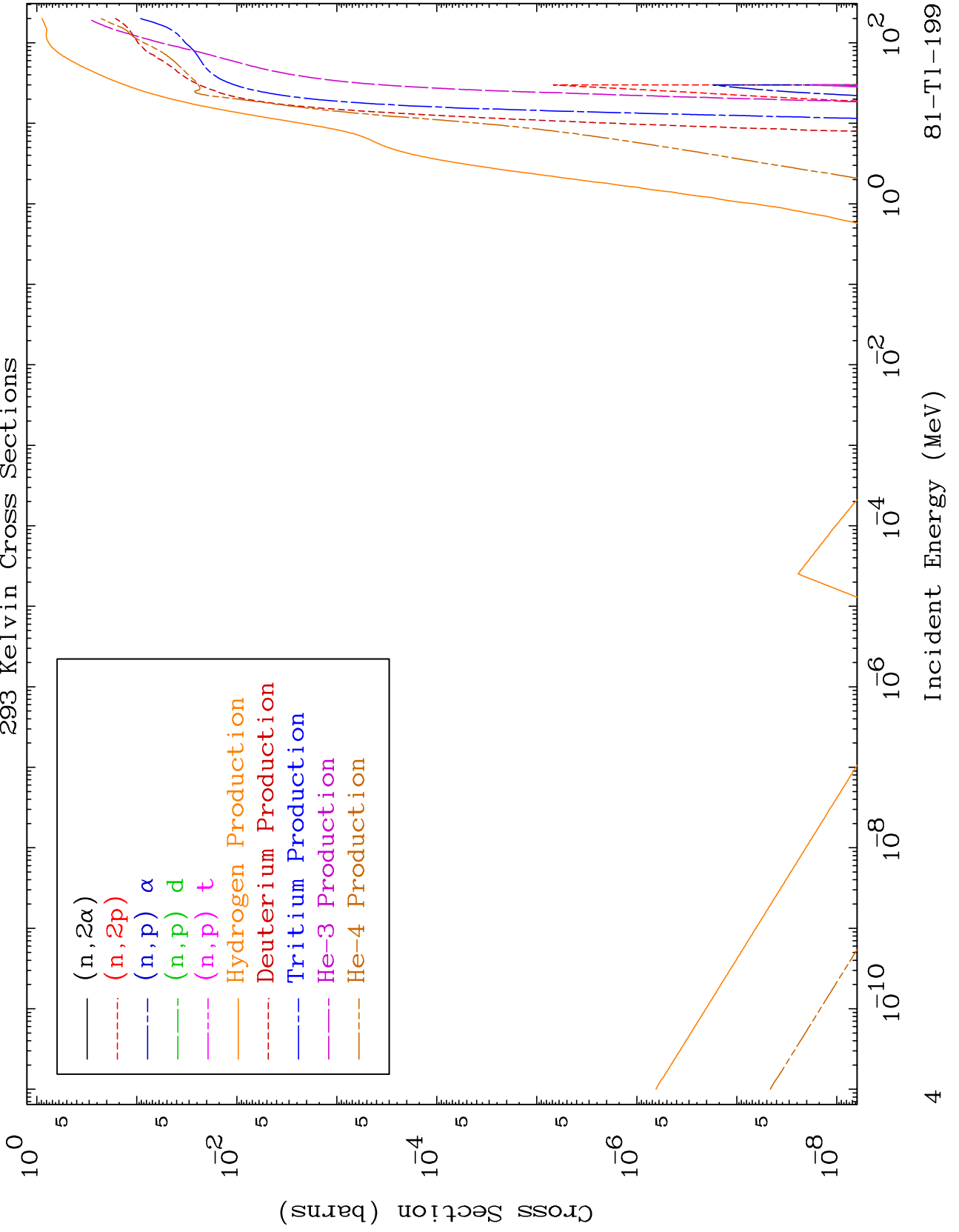
81-T1-199



MAT 8113

Neutron Absorption
293 Kelvin Cross Sections

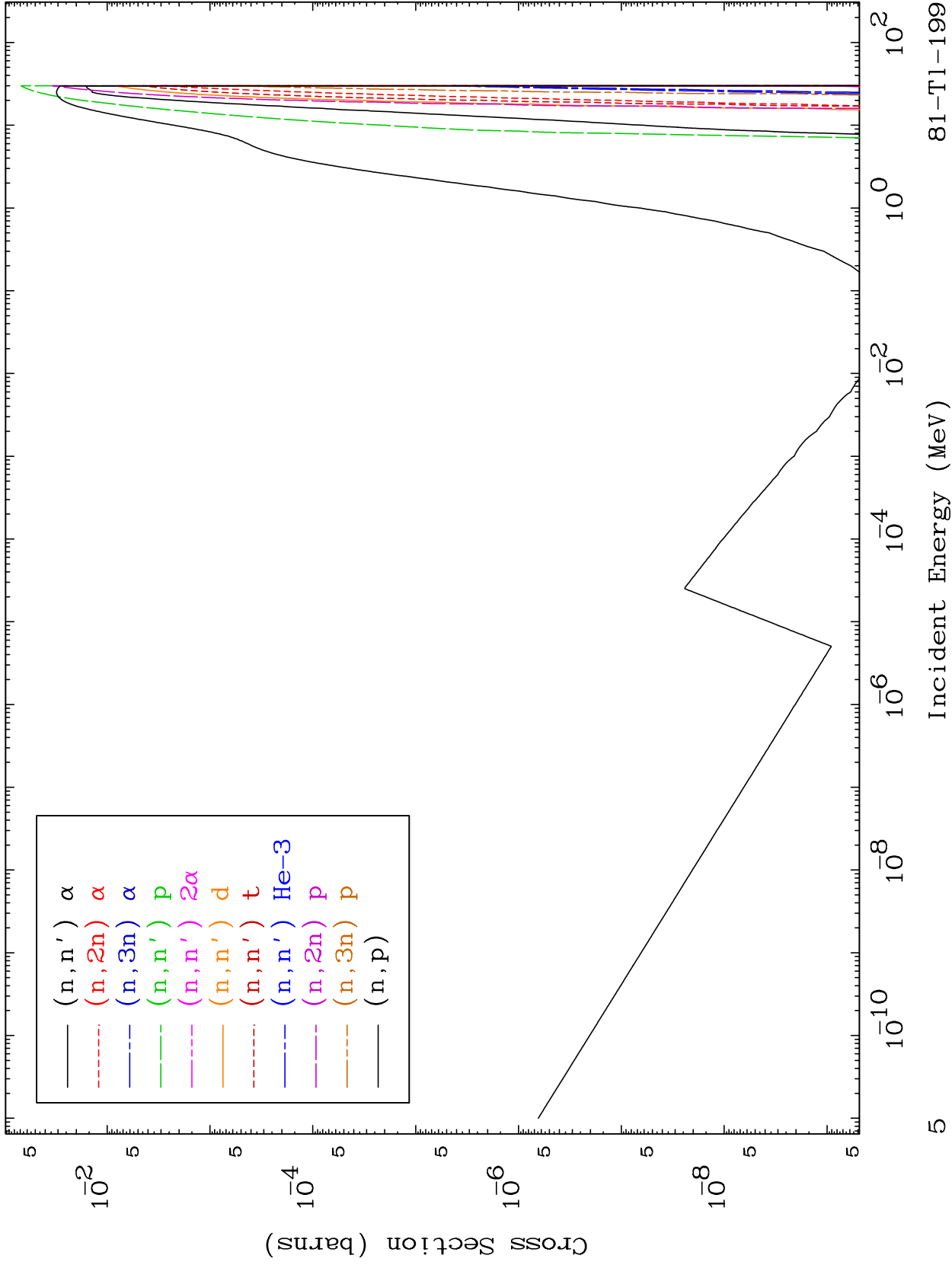
81-Tl-199



MAT 8113

Charged Particle
293 Kelvin Cross Sections

81-Tl-199



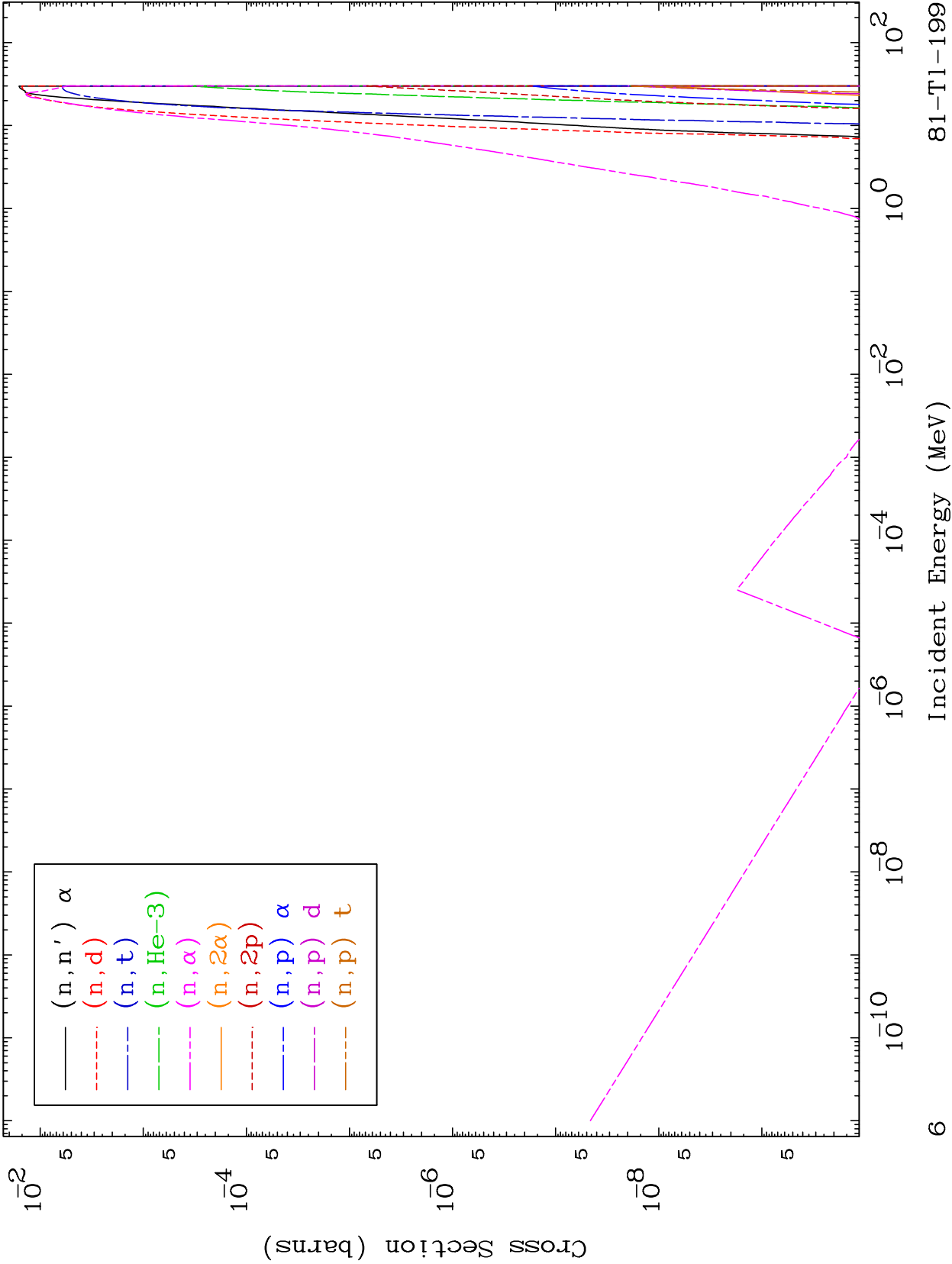
5

81-Tl-199

MAT 8113

Charged Particle
293 Kelvin Cross Sections

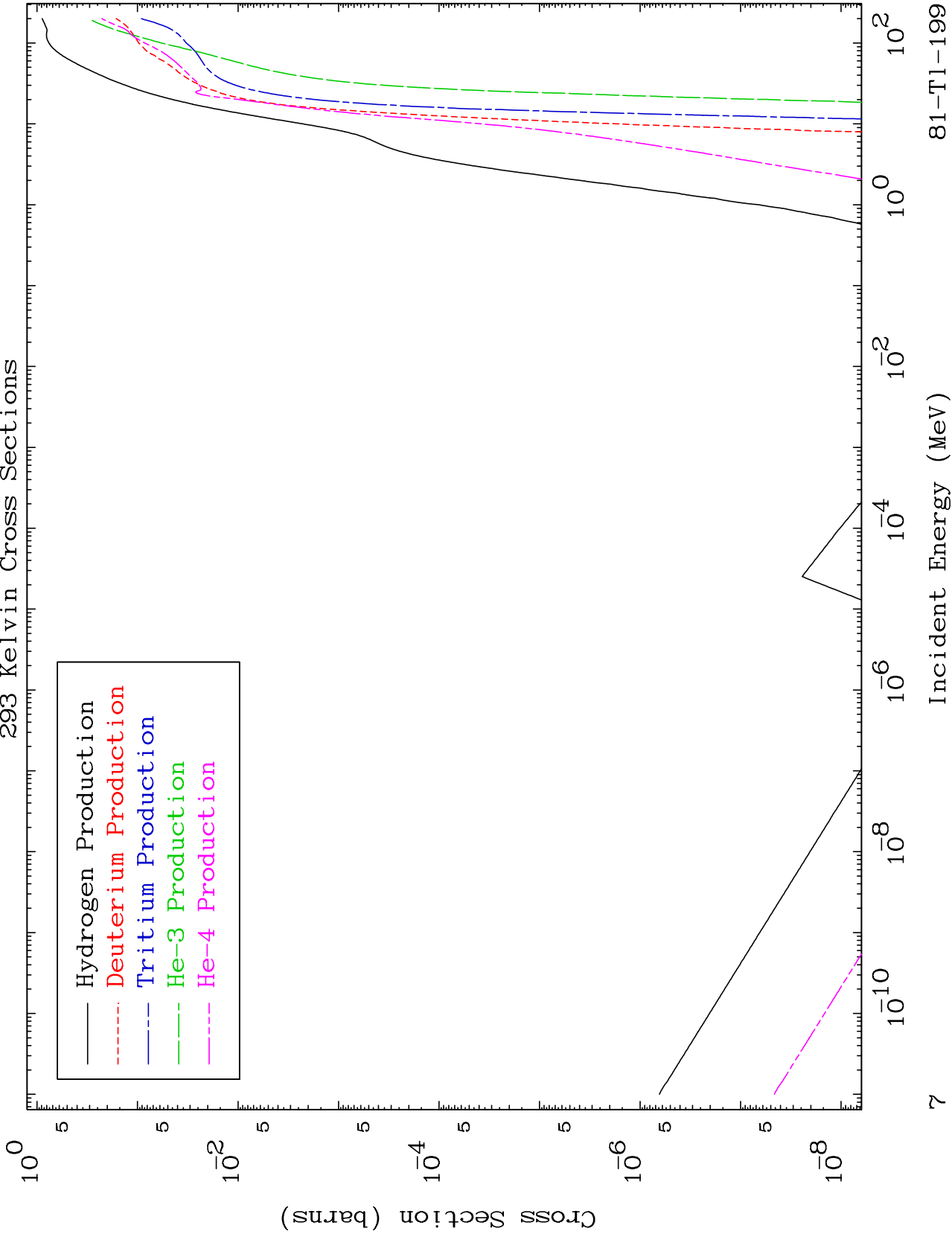
81-Tl-199



MAT 81113

Particle Production
293 Kelvin Cross Sections

81-Tl-199

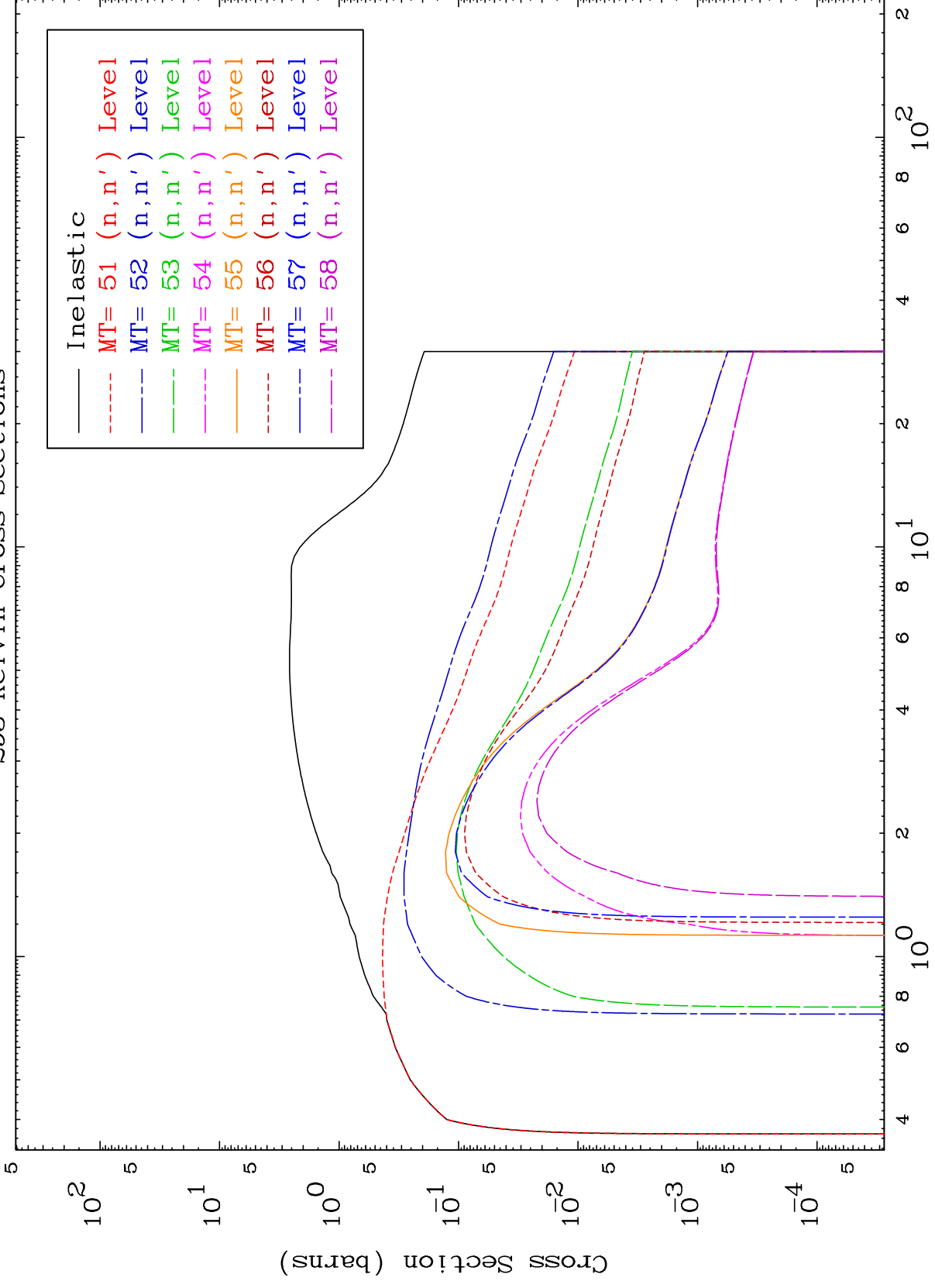


MAT 81113

(n,n') Levels

81-T1-199

293 Kelvin Cross Sections

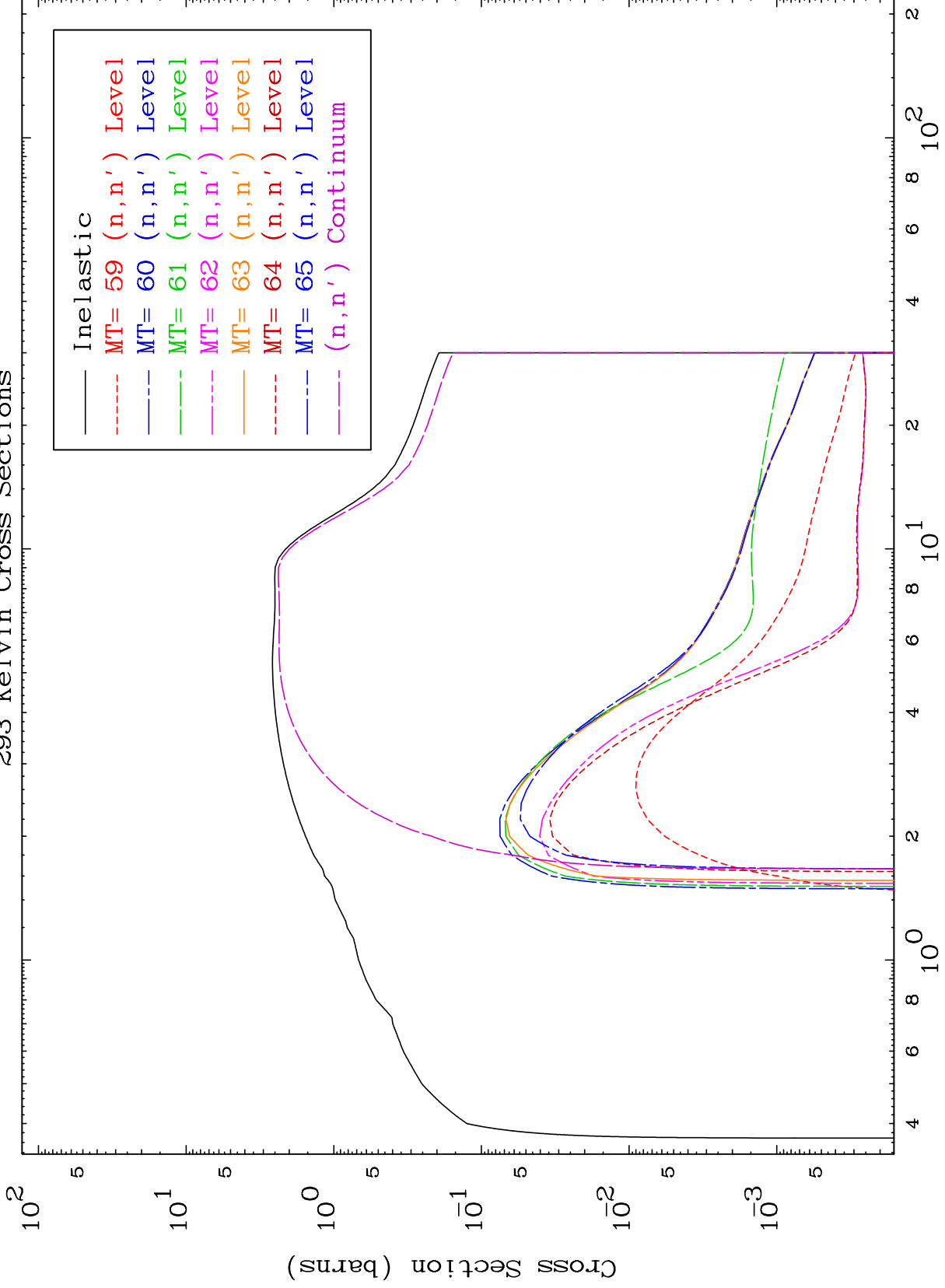


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Incident Energy (MeV)

81-T1-199

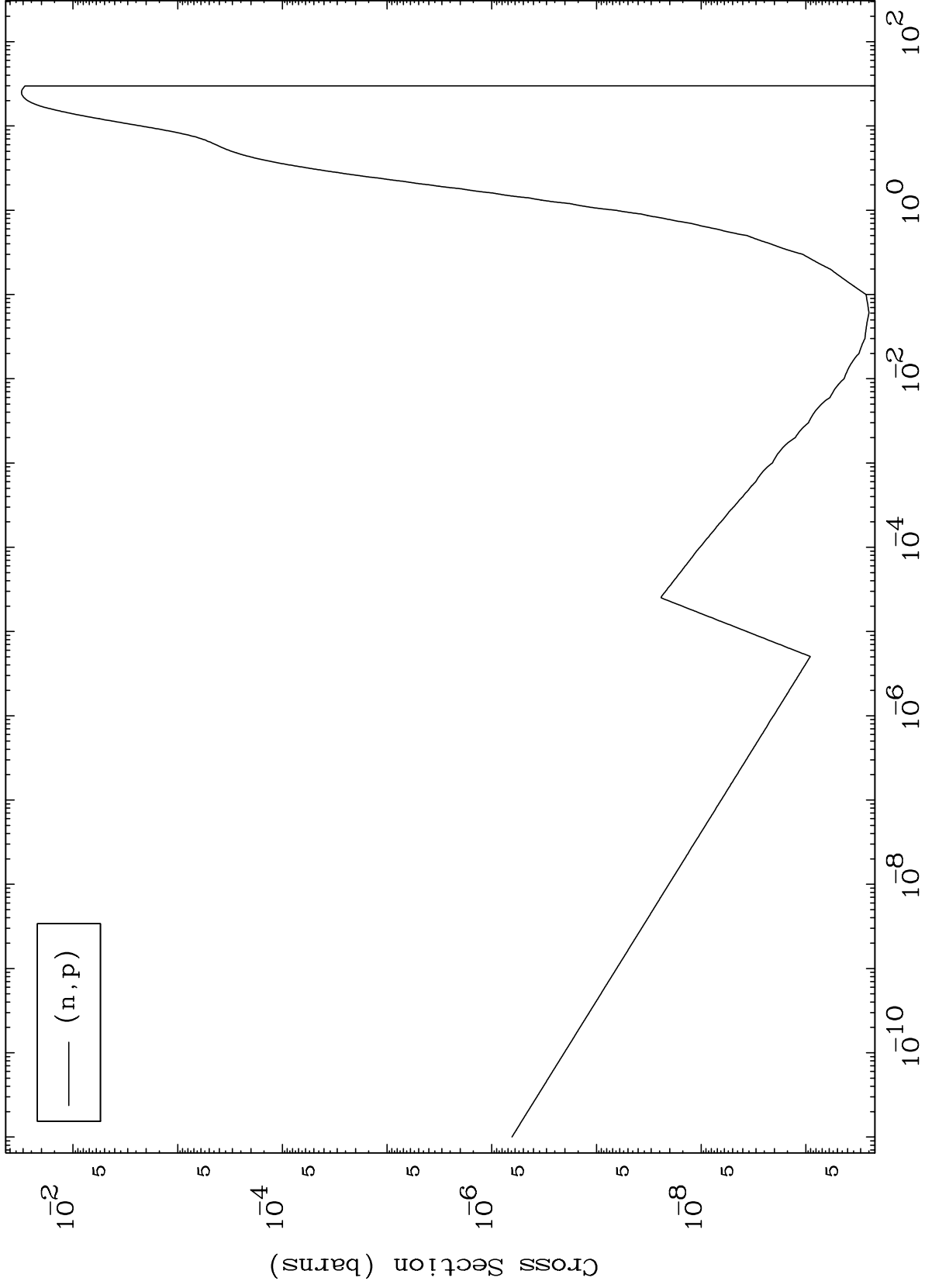
293 Kelvin Cross Sections



MAT 8113

(n,p) Levels
293 Kelvin Cross Sections

81-Tl-199



10

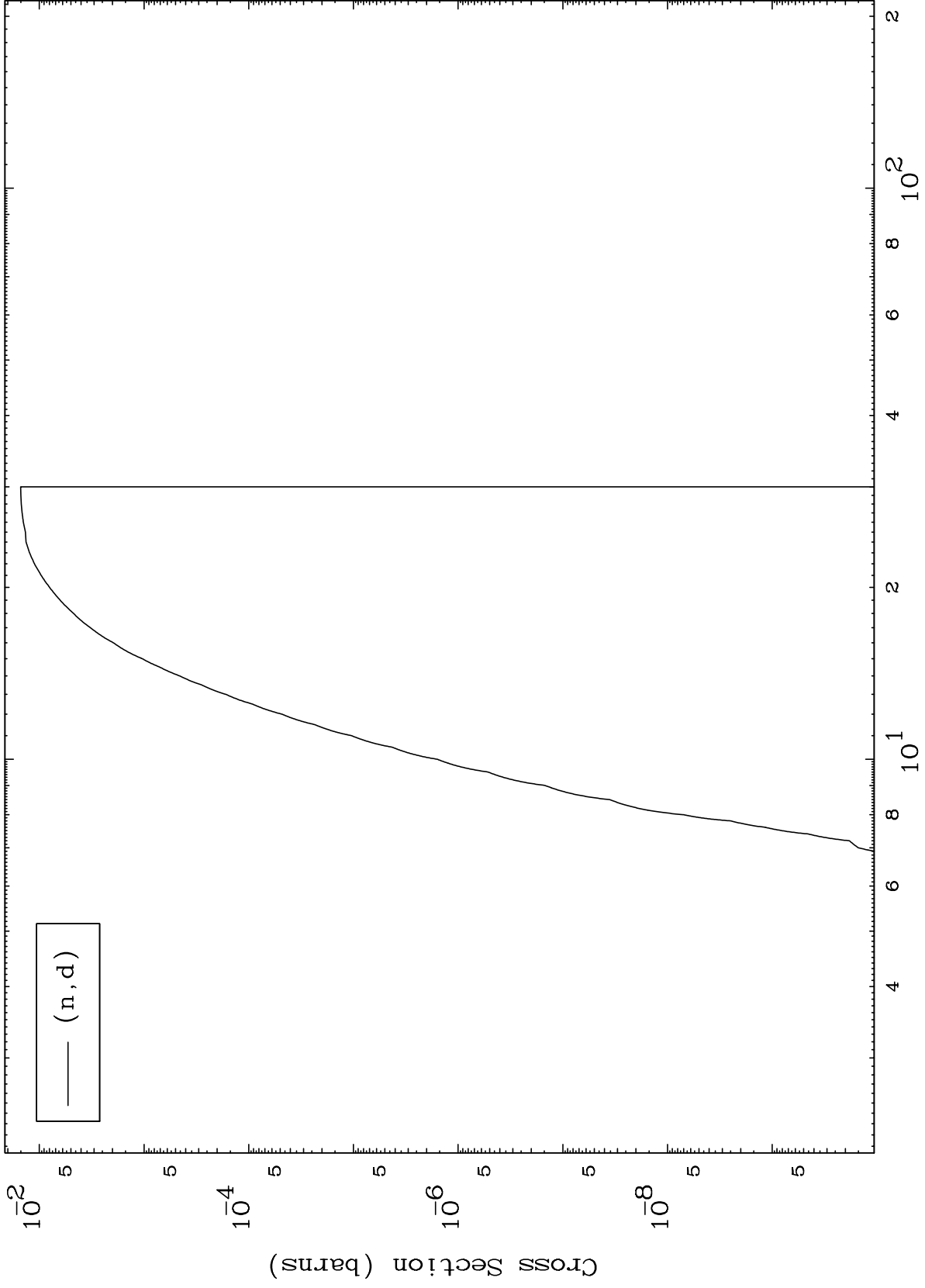
Incident Energy (MeV)

81-Tl-199

MAT 81113

(n,d) Levels
293 Kelvin Cross Sections

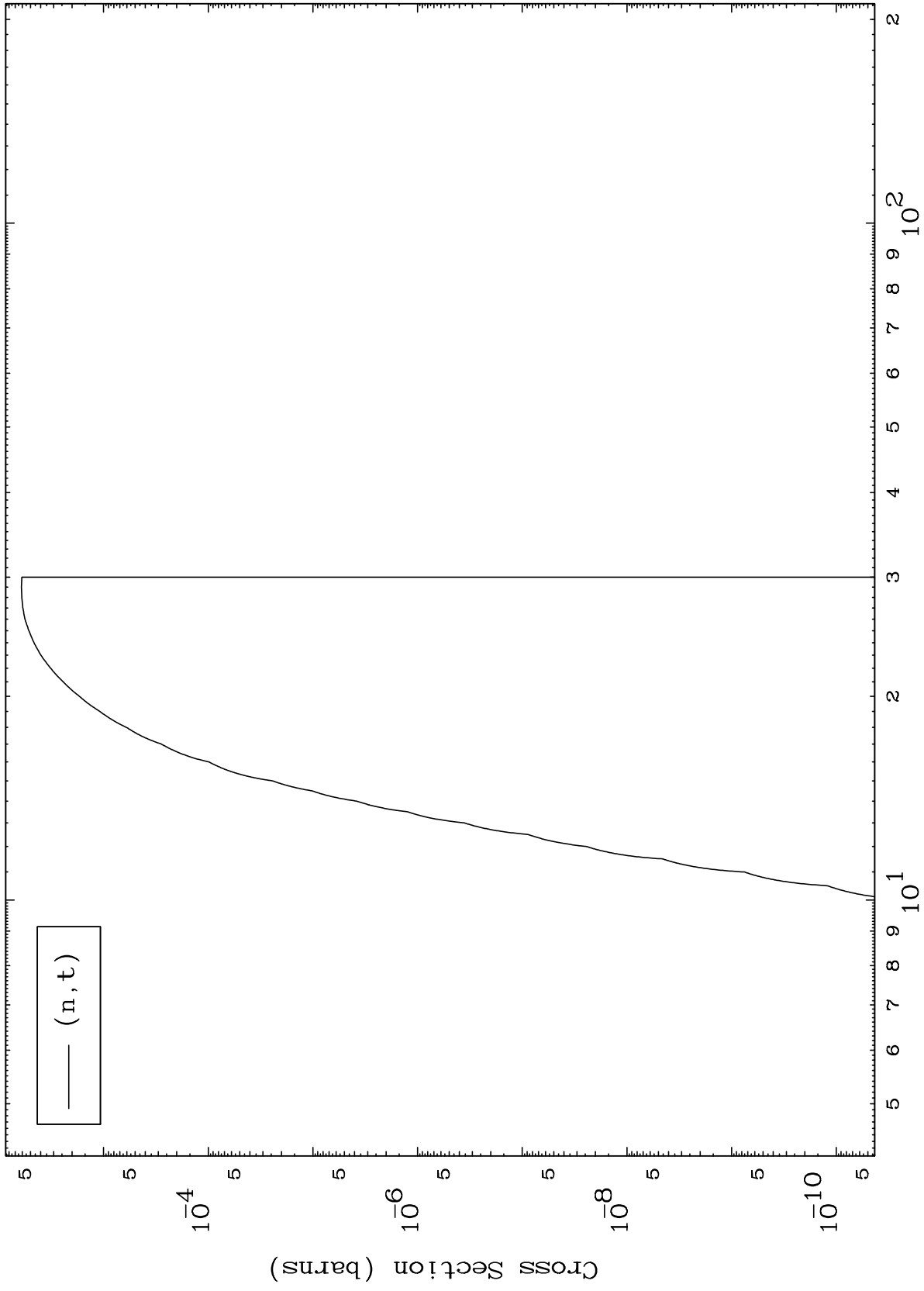
81-Tl-199



MAT 81113

(n,t) Levels
293 Kelvin Cross Sections

81-T1-199



12

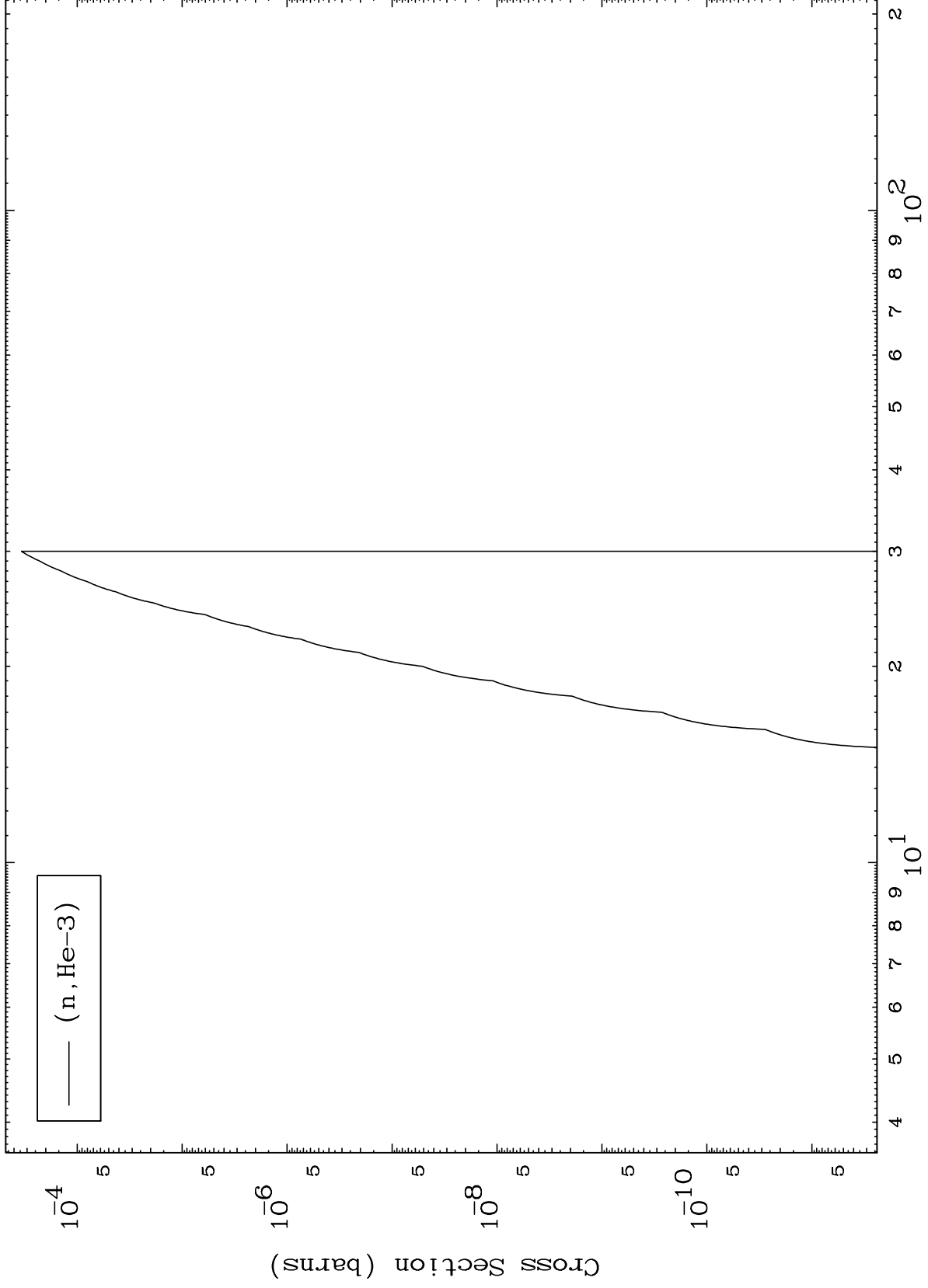
Incident Energy (MeV)

81-T1-199

MAT 81113

(n,He3) Levels
293 Kelvin Cross Sections

81-T1-199



13

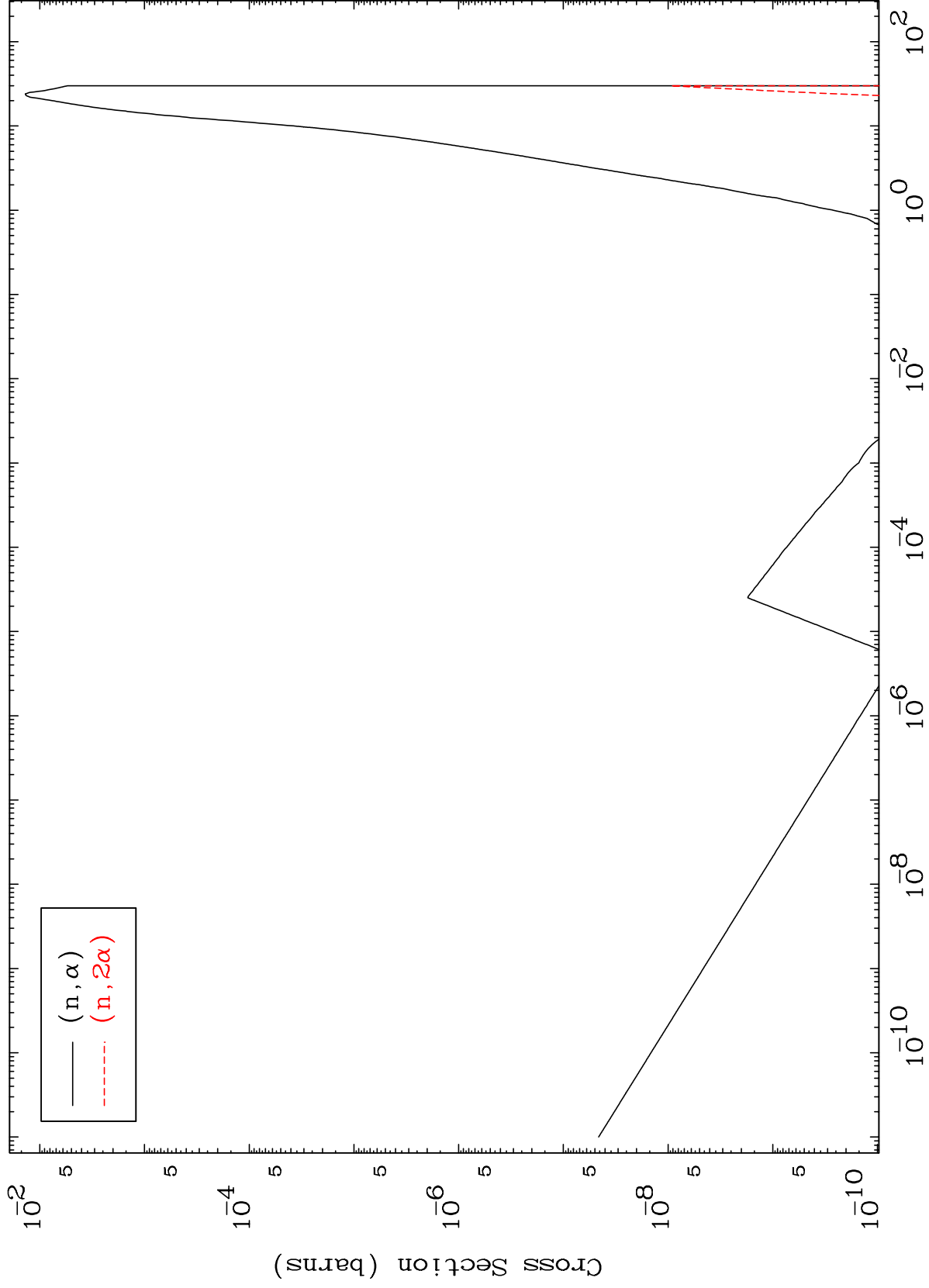
Incident Energy (MeV)

81-T1-199

MAT 81113

(n, α) Levels
293 Kelvin Cross Sections

81-Tl-199



14

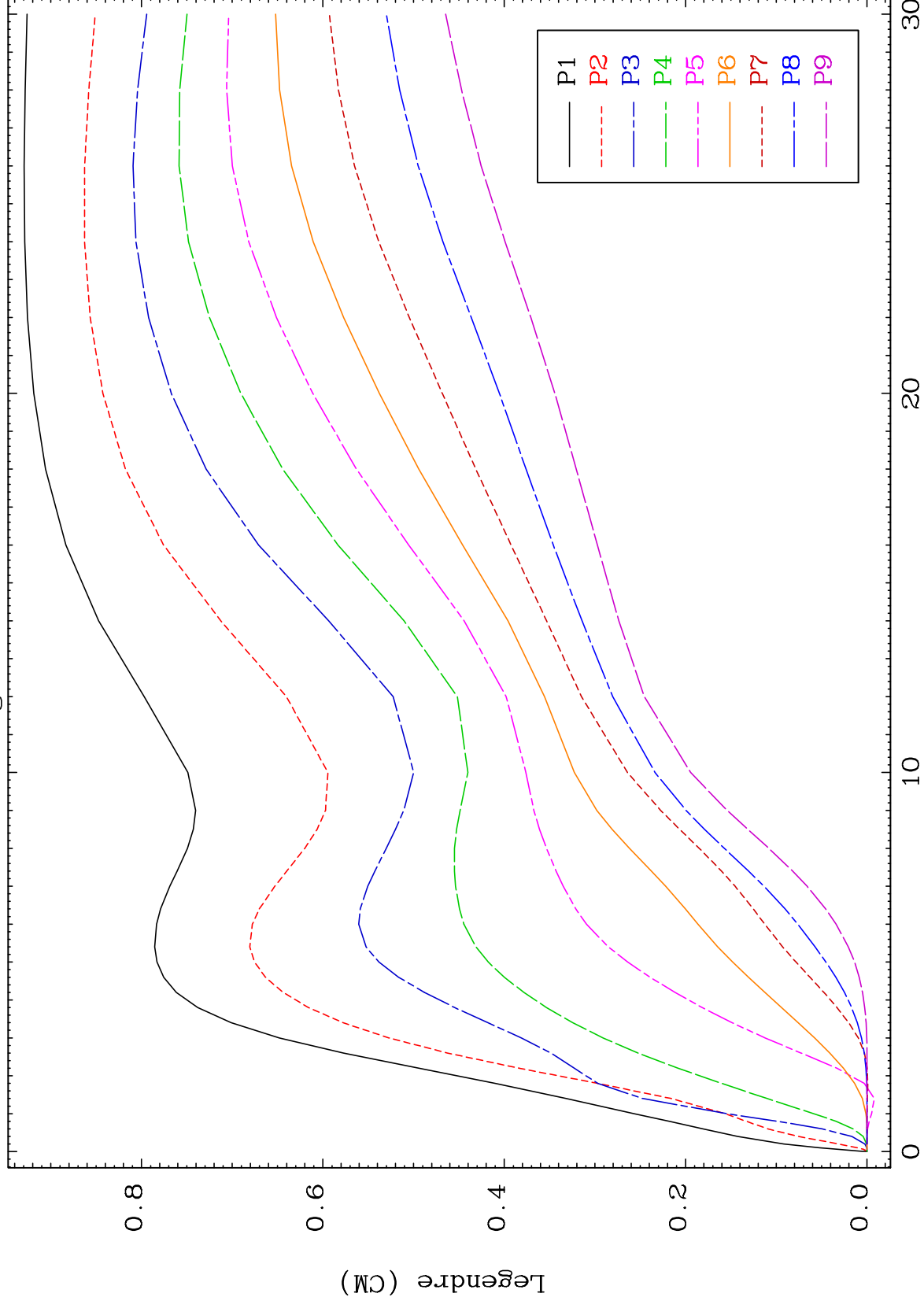
Incident Energy (MeV)

81-Tl-199

MAT 81113

Elastic Legendre Coefficients

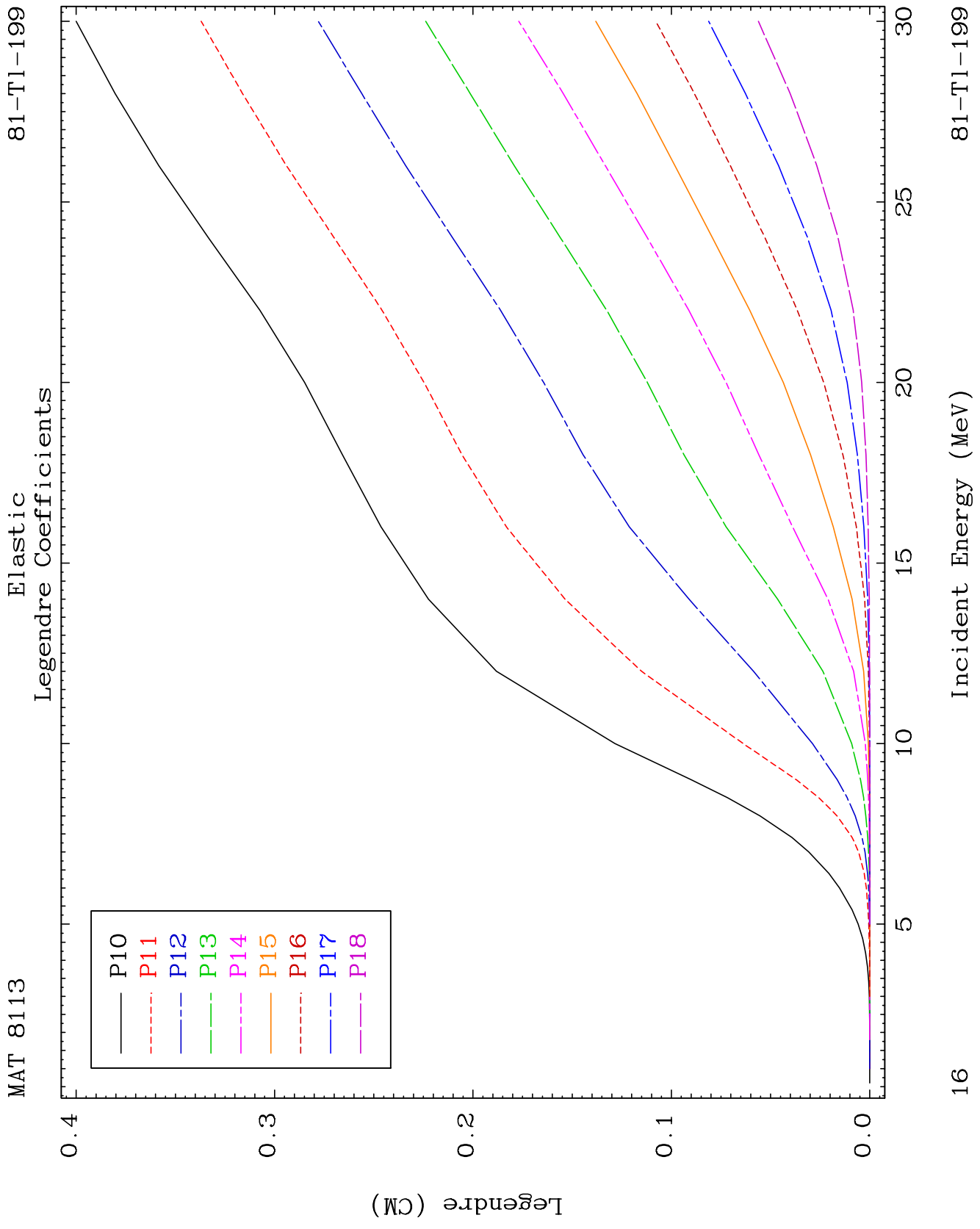
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15

Incident Energy (MeV)

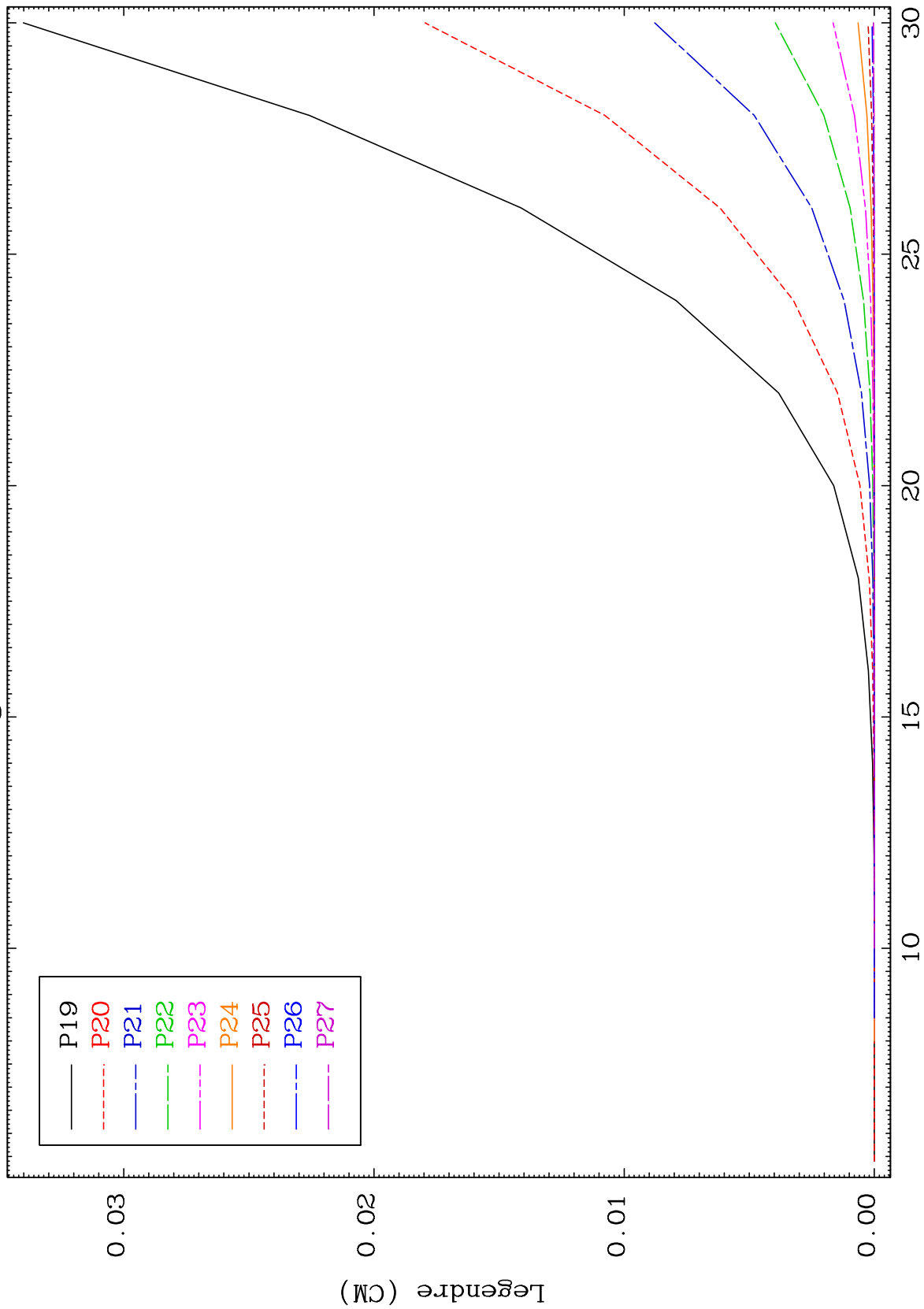
81-T1-199



MAT 8113

Elastic Legendre Coefficients

81-T1-199



17

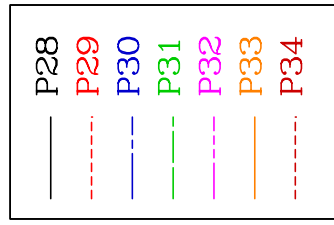
Incident Energy (MeV)

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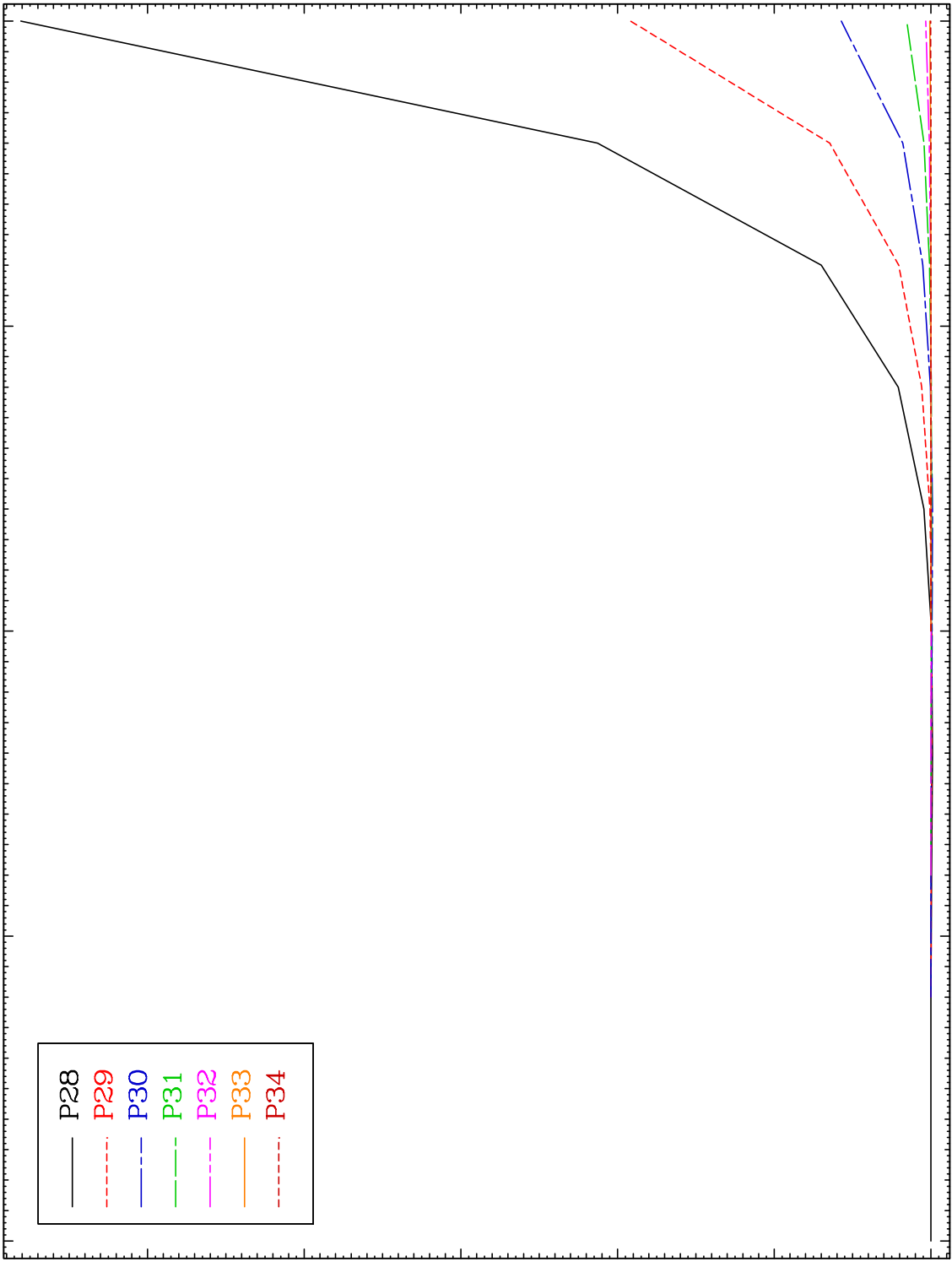
MAT 8113

Elastic Legendre Coefficients

81-T1-199



$\times 10^{-5}$
1.0
0.8
0.6
0.4
0.2
0.0



10 15 20 25 30

Incident Energy (MeV)

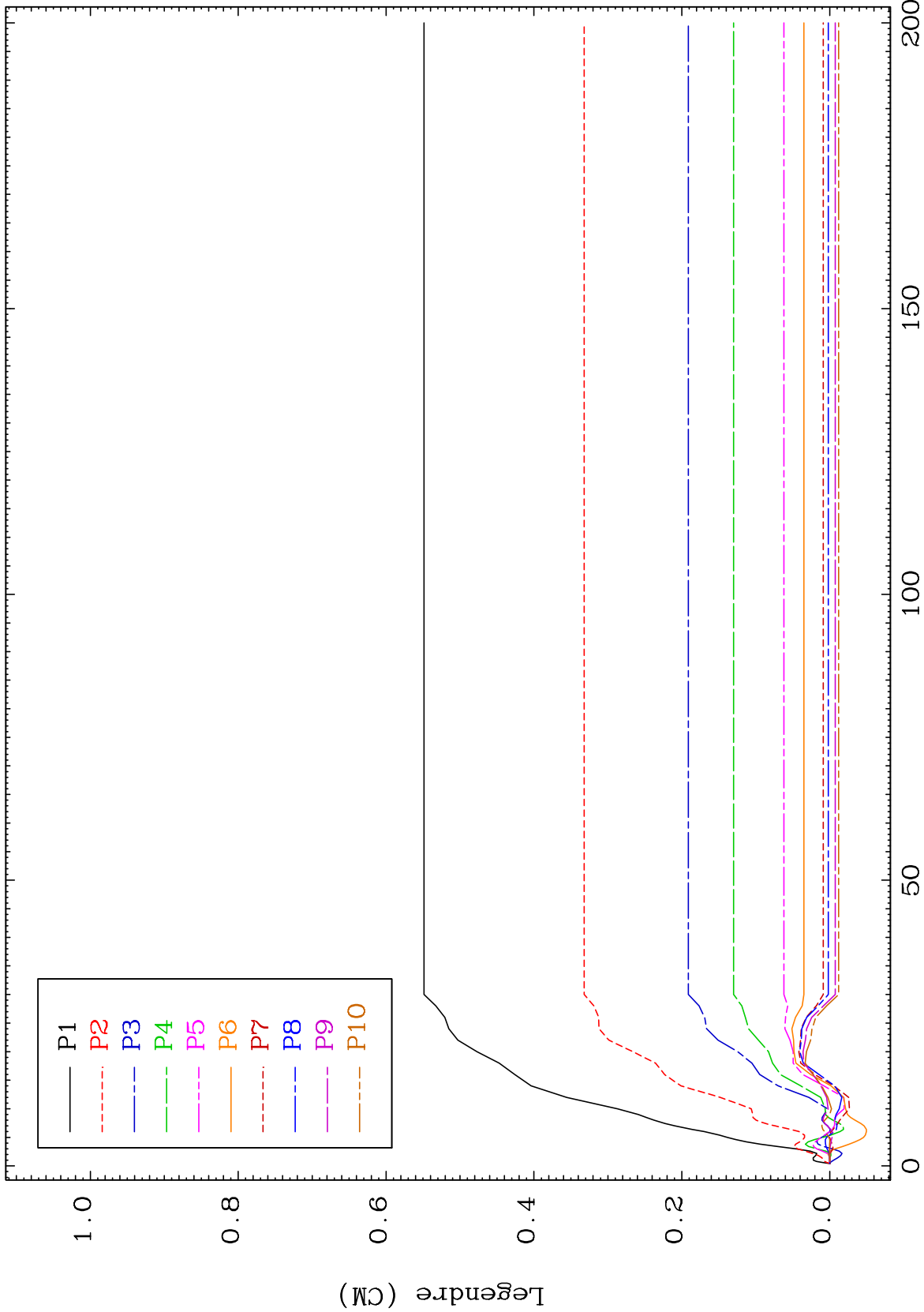
81-T1-199

18

MAT 8113

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

81-T1-199



19

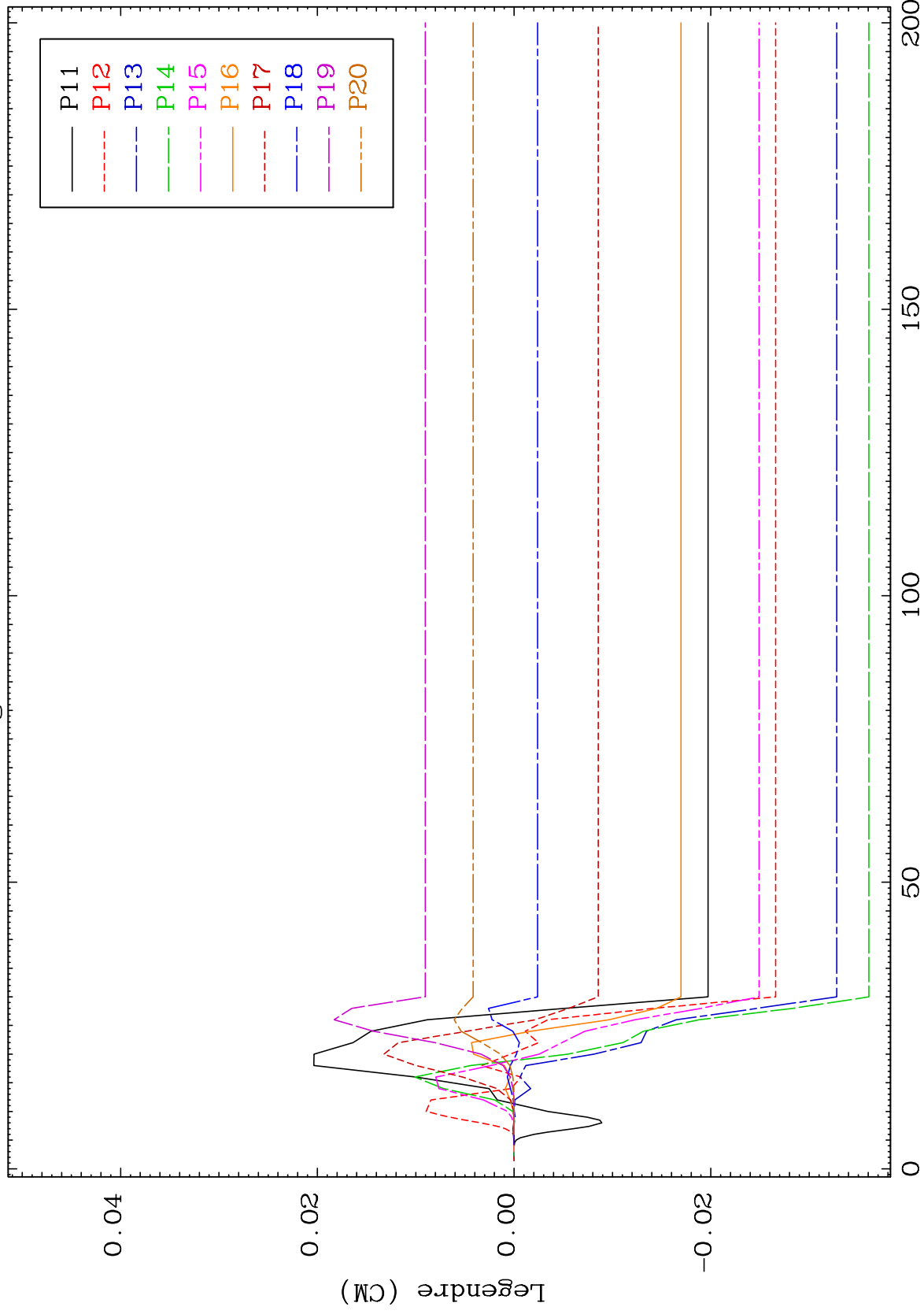
Incident Energy (MeV)

81-T1-199

MAT 81113

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

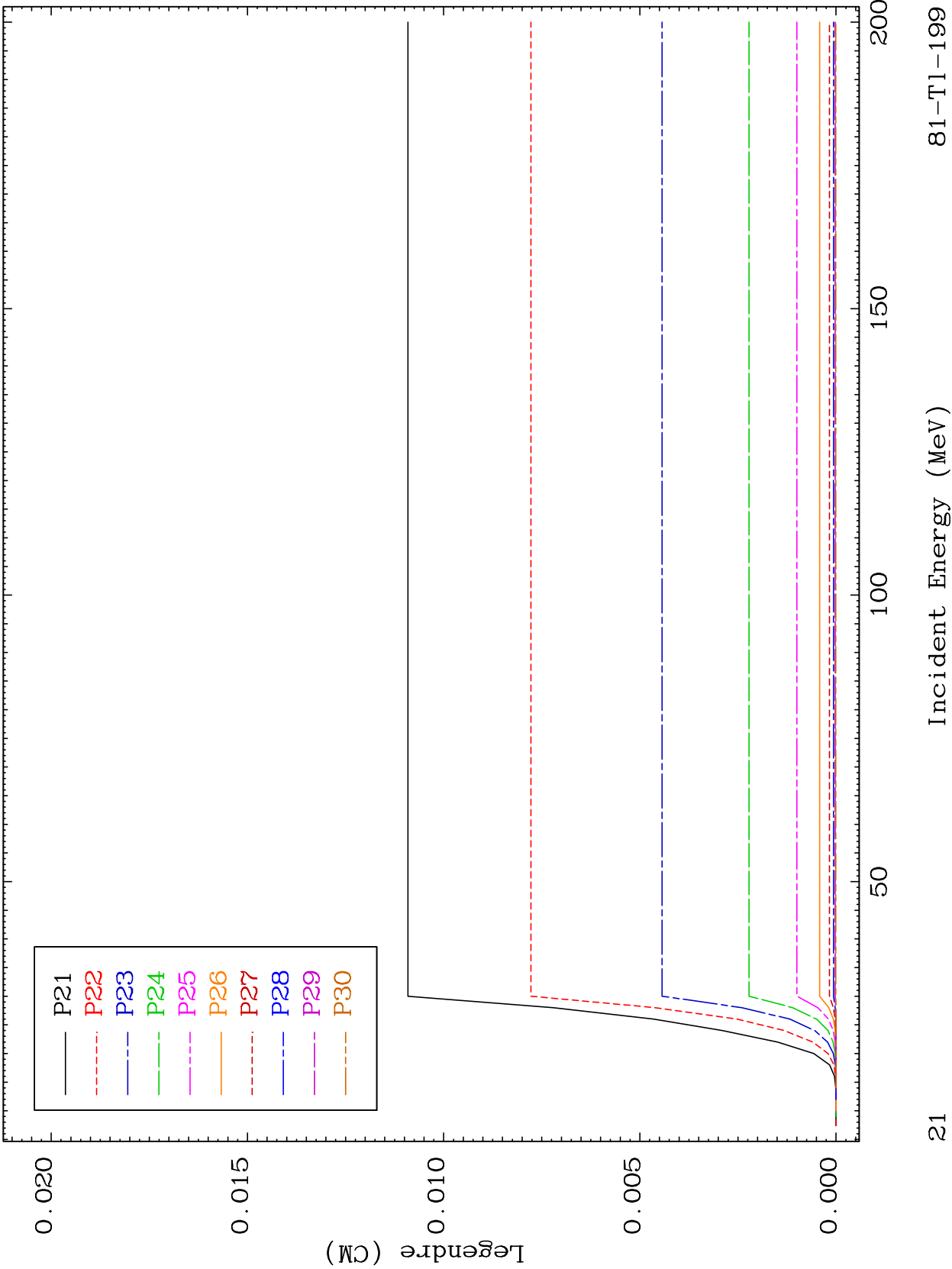
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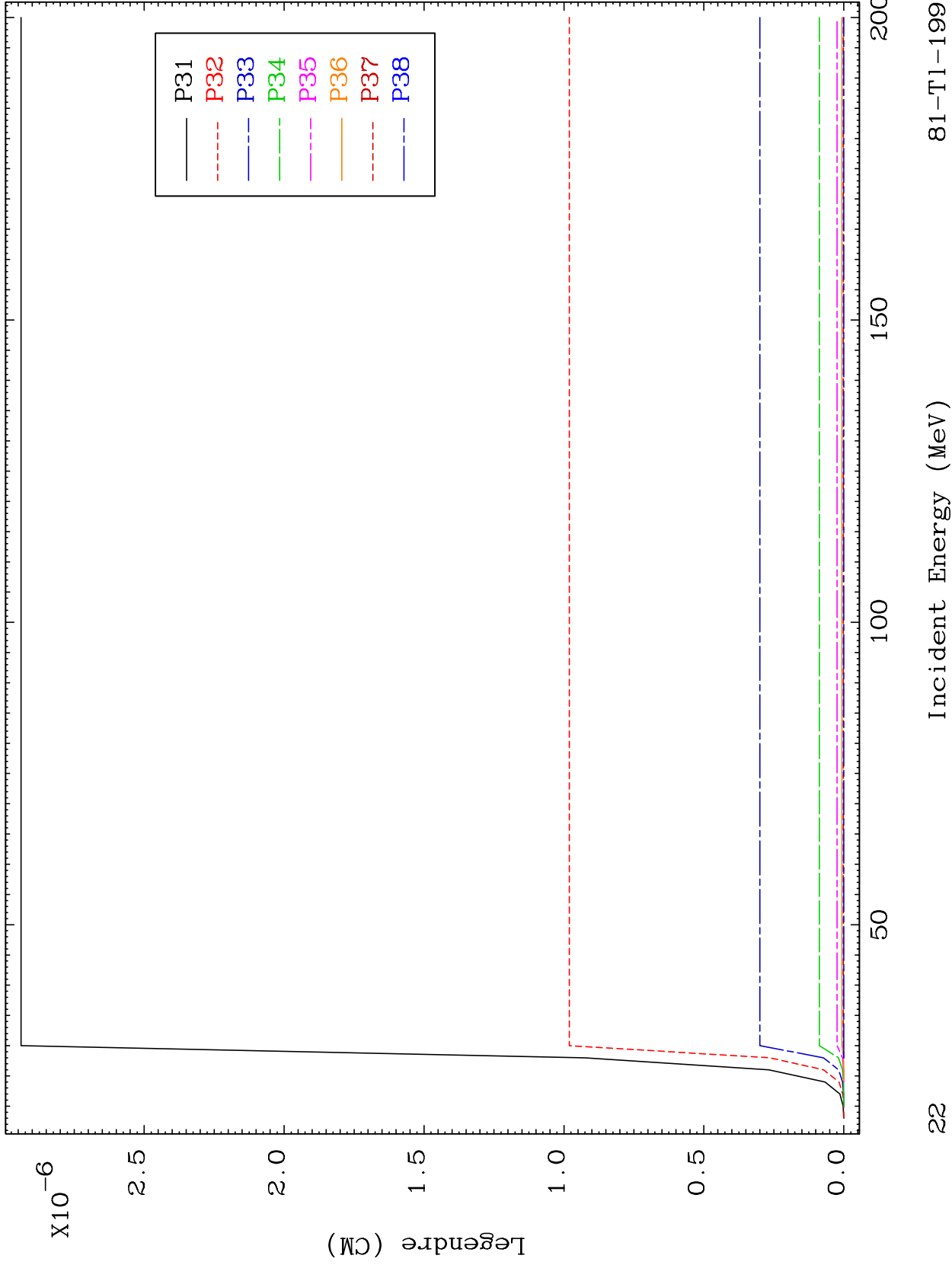


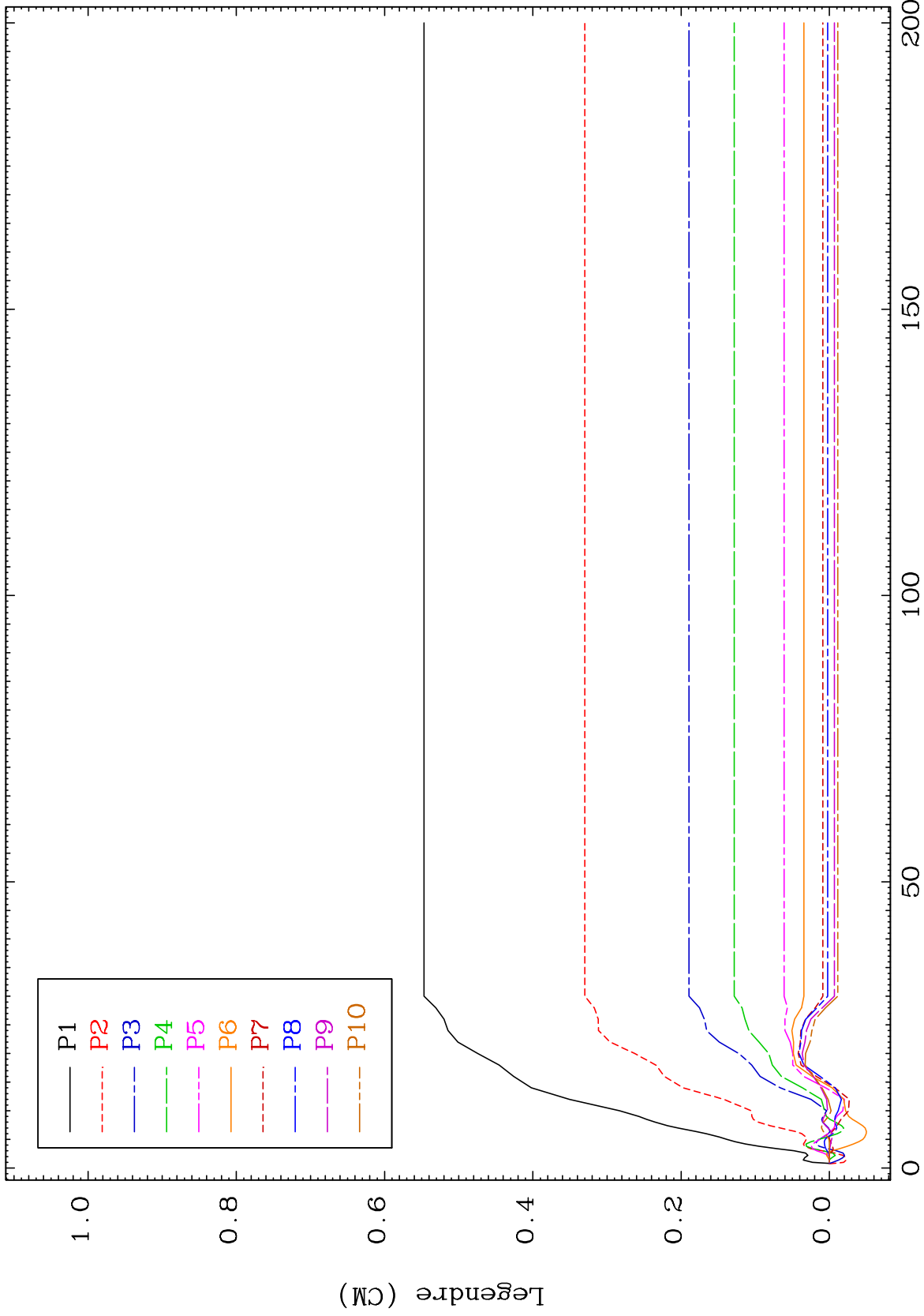
81-T1-199

Incident Energy (MeV)

20



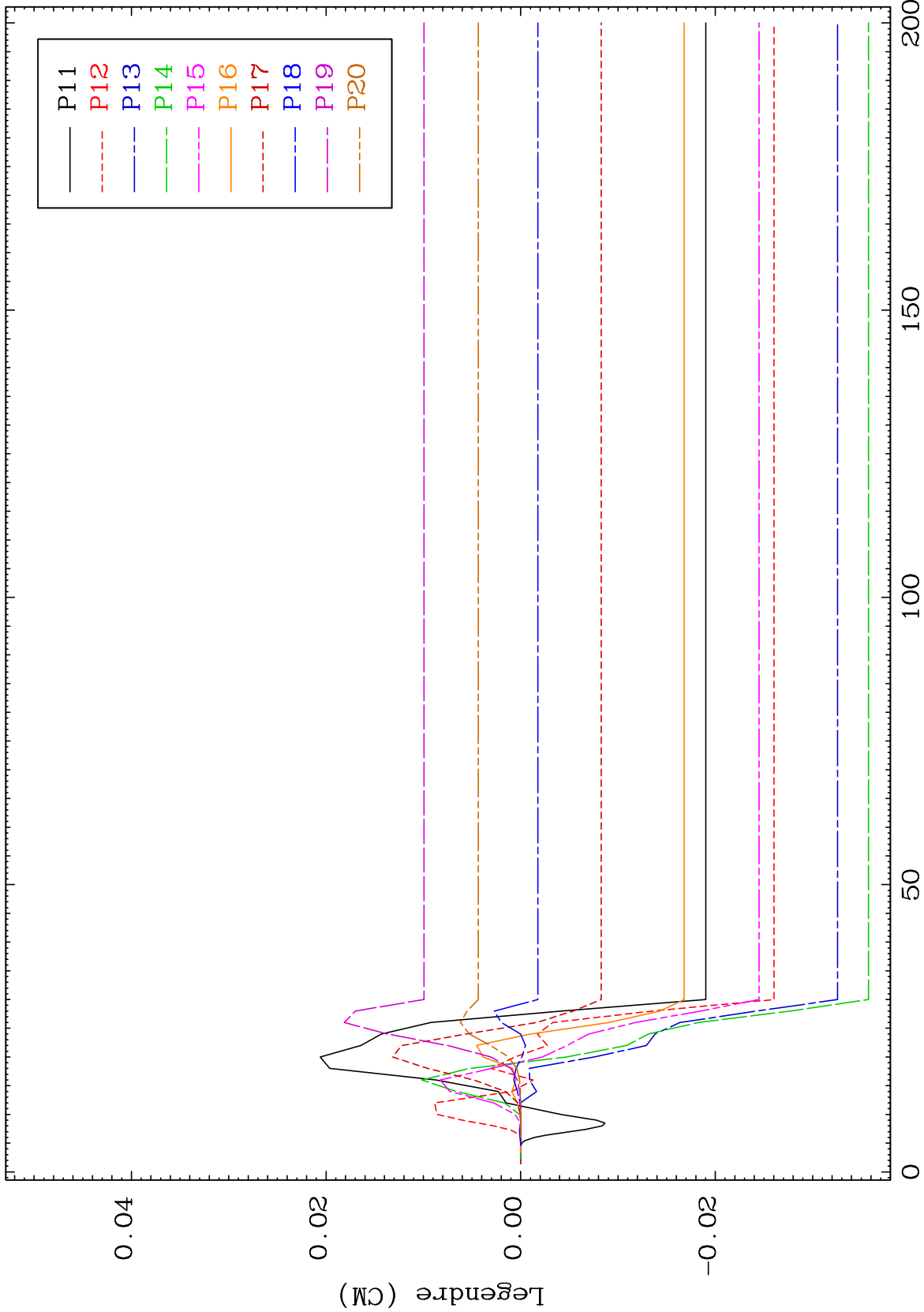




MAT 81113

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

81-T1-199



24

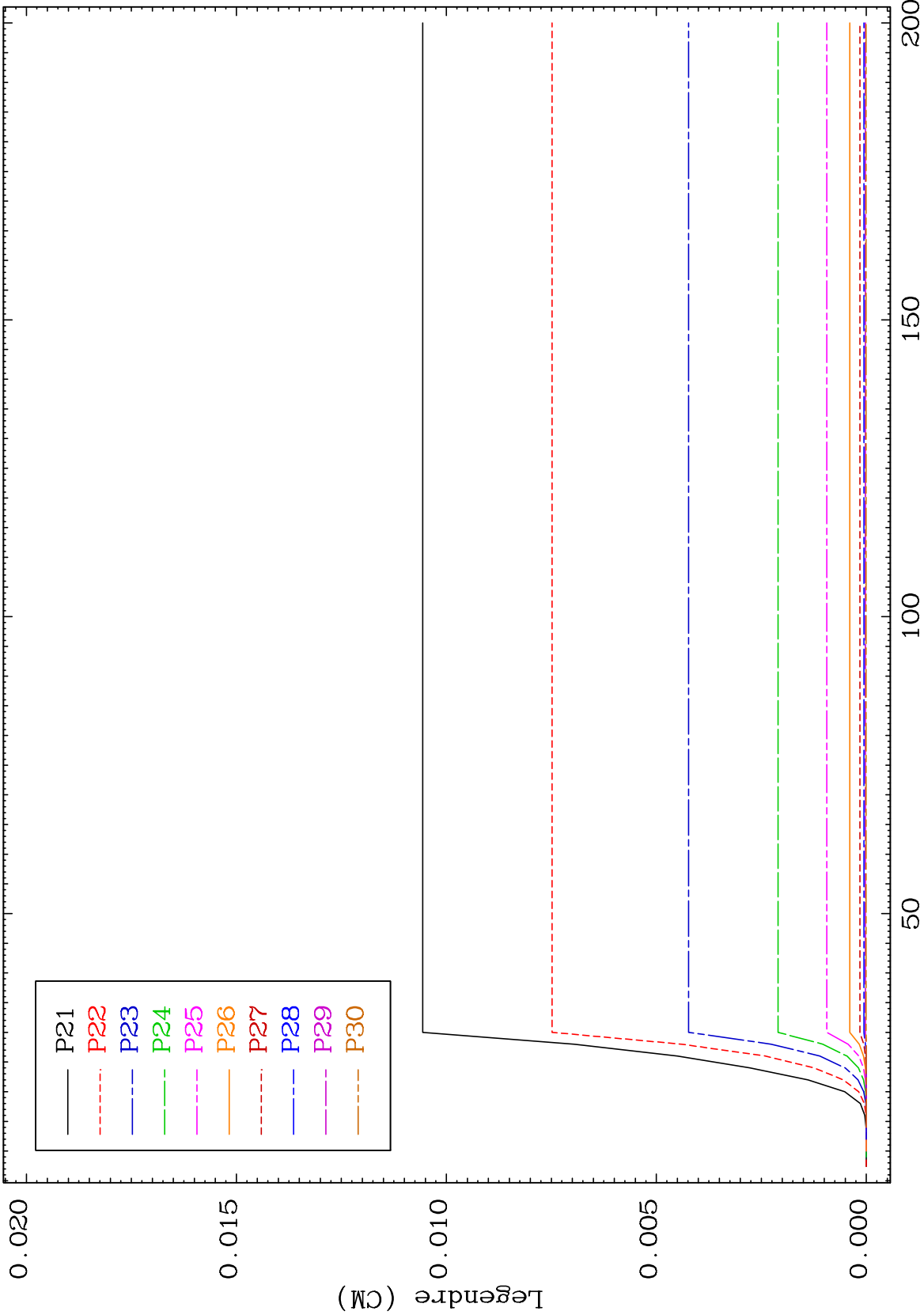
Incident Energy (MeV)

81-T1-199

MAT 81113

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

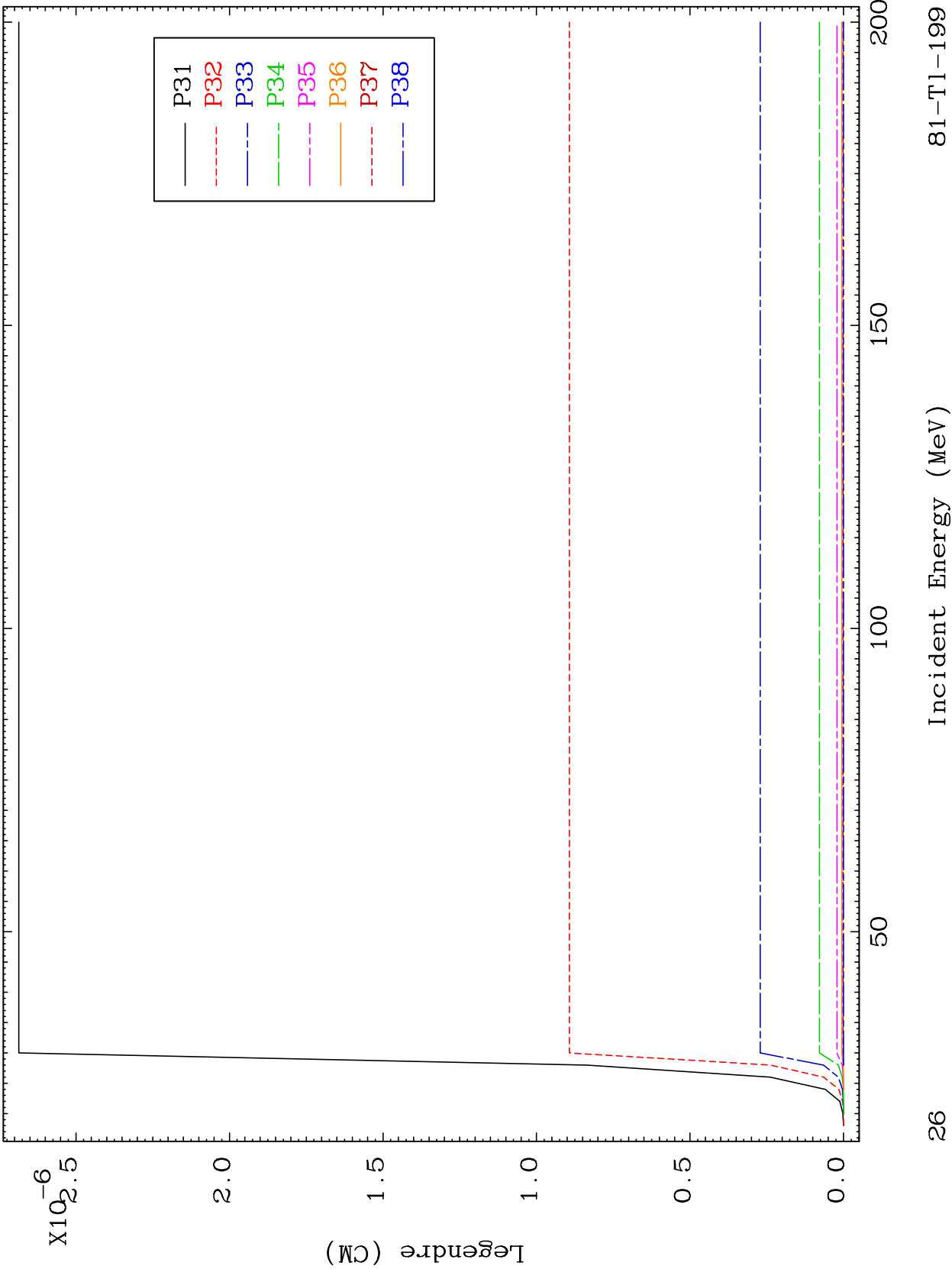
81-Tl-199



25

Incident Energy (MeV)

81-Tl-199

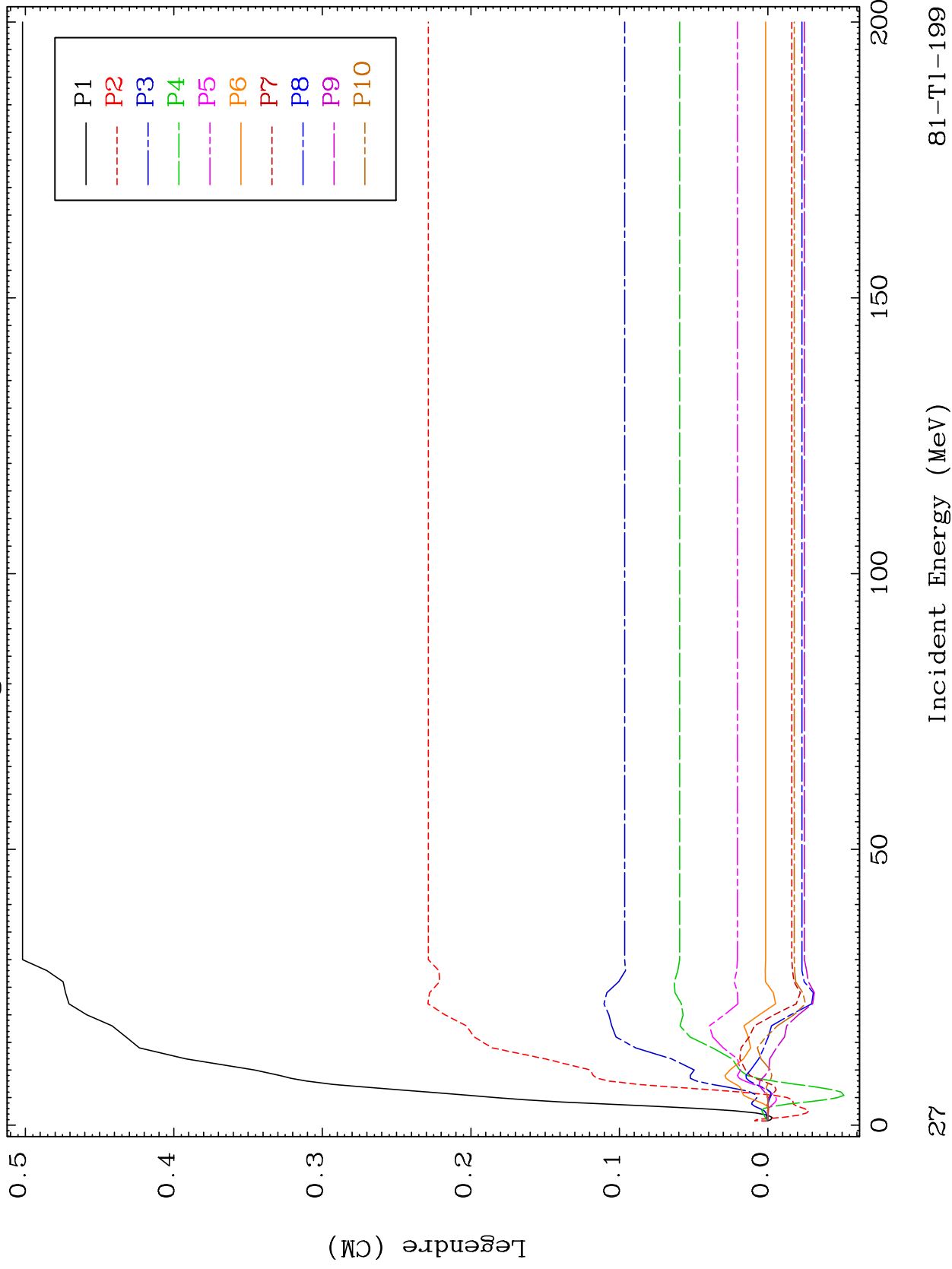


MAT 81113

MT= 53 (n,n') Level

81-T1-199

Legendre Coefficients



81-T1-199

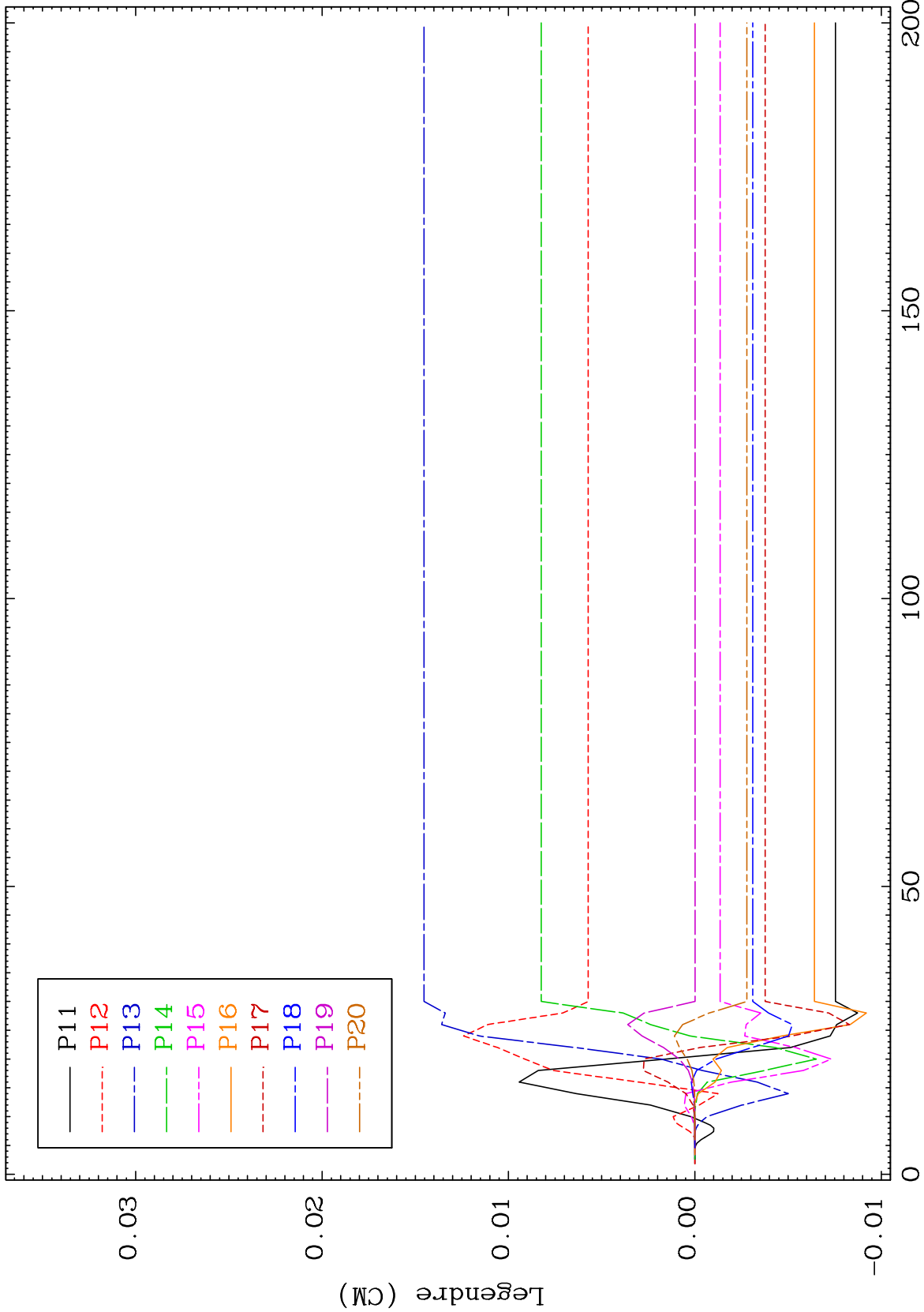
Incident Energy (MeV)

27

MAT 8113

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

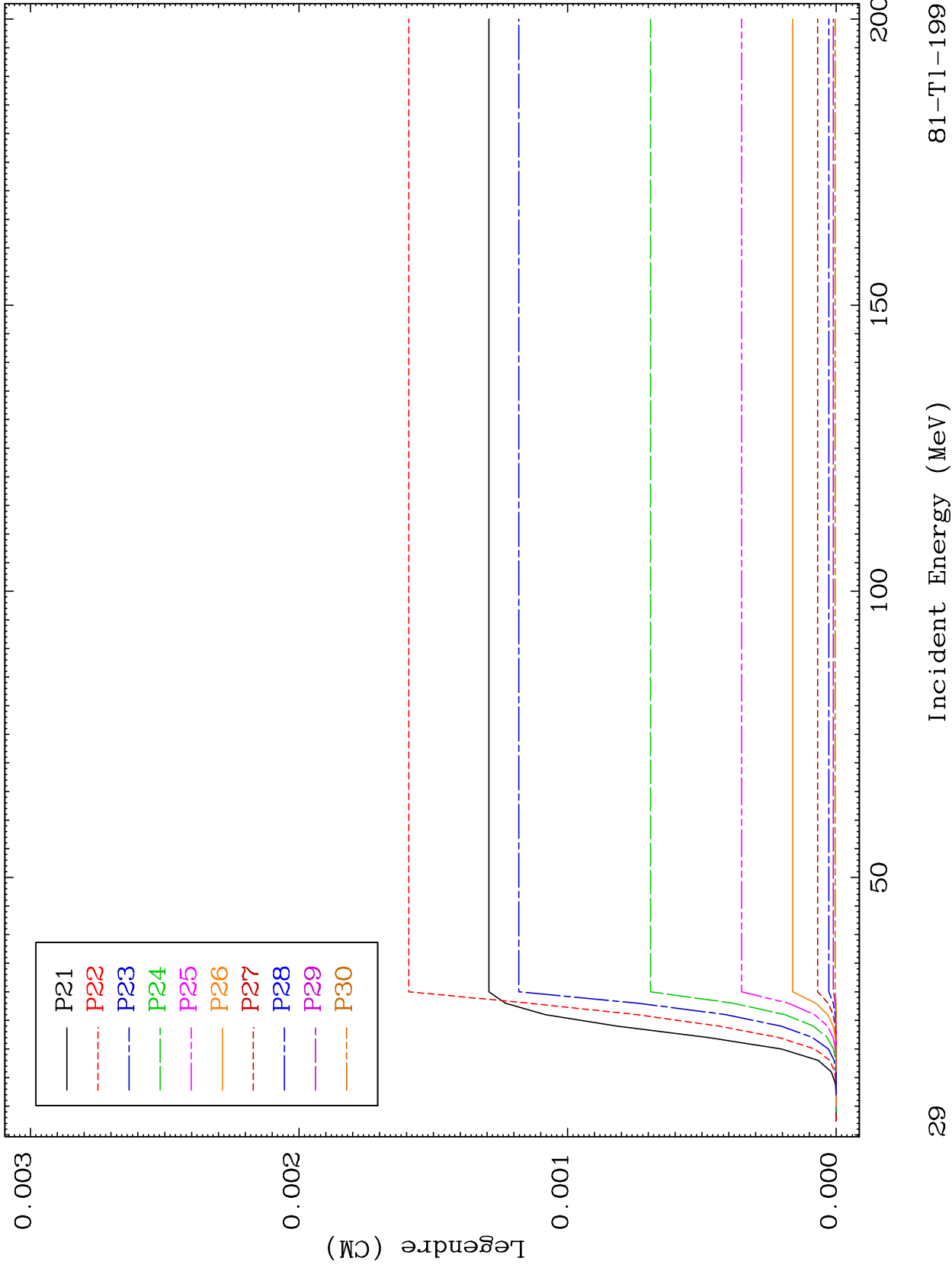
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28

Incident Energy (MeV)

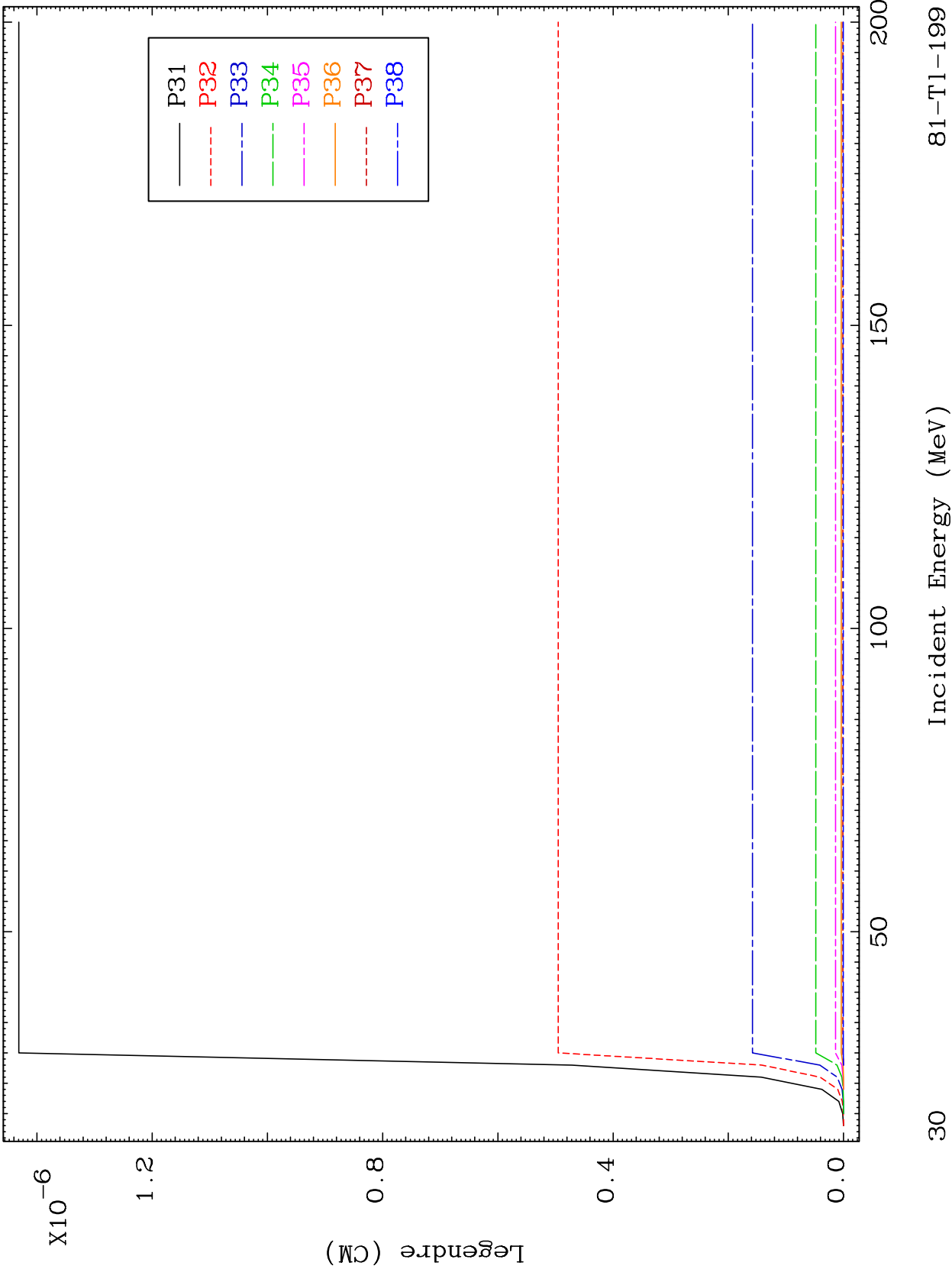
81-T1-199



MAT 81113

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

81-T1-199

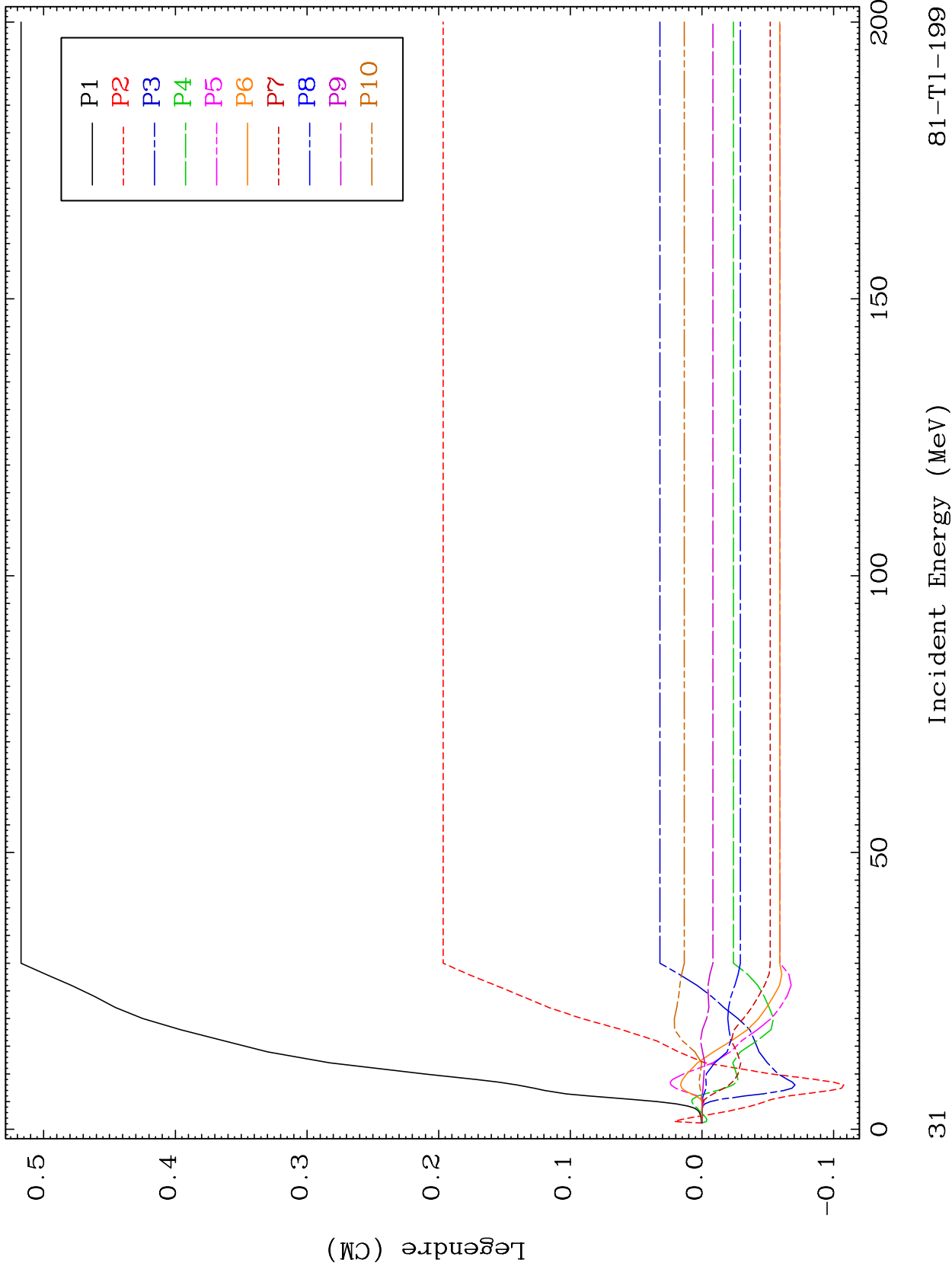


81-T1-199

MAT 81113

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

81-T1-199



81-T1-199

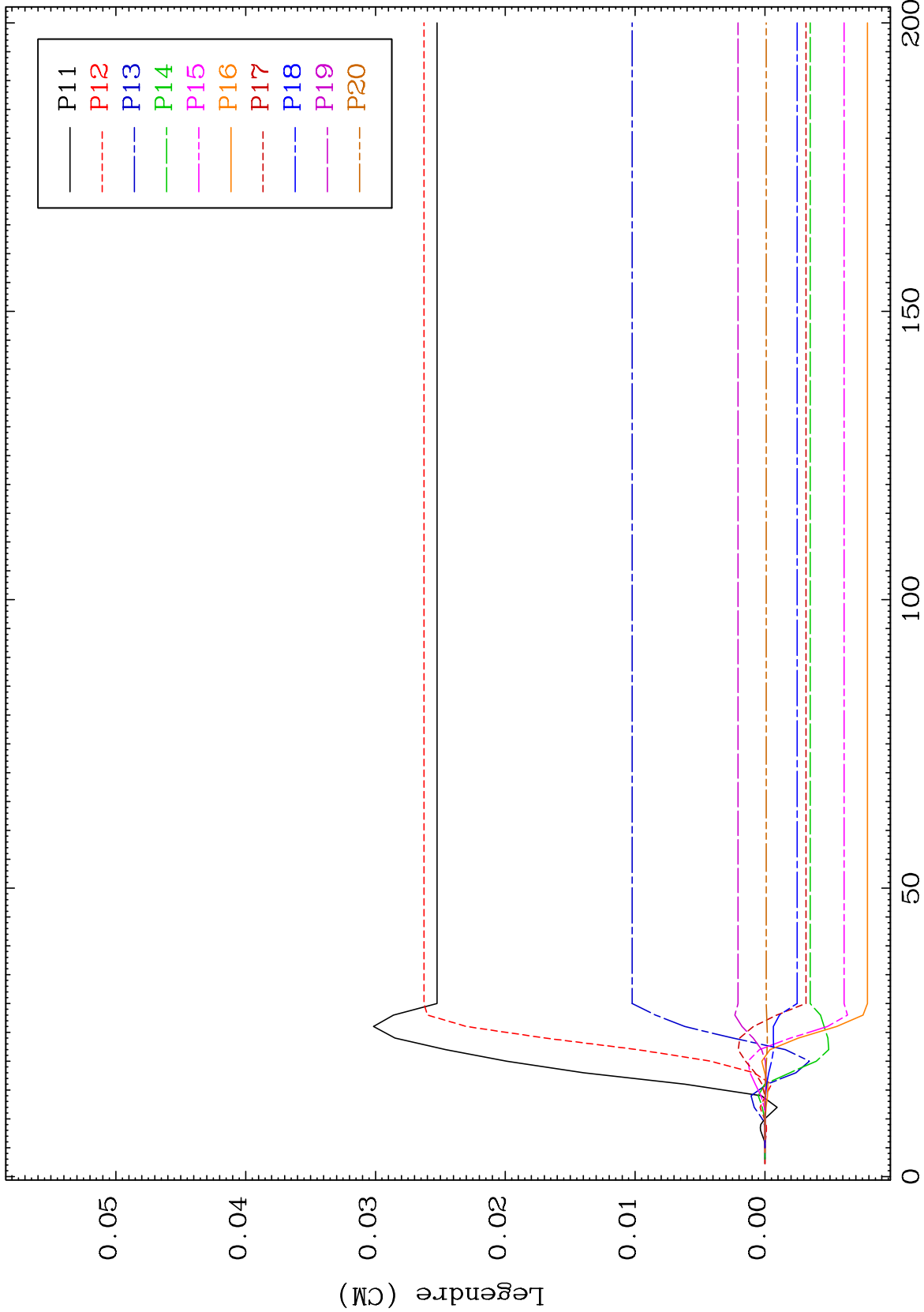
Incident Energy (MeV)

31

MAT 81113

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

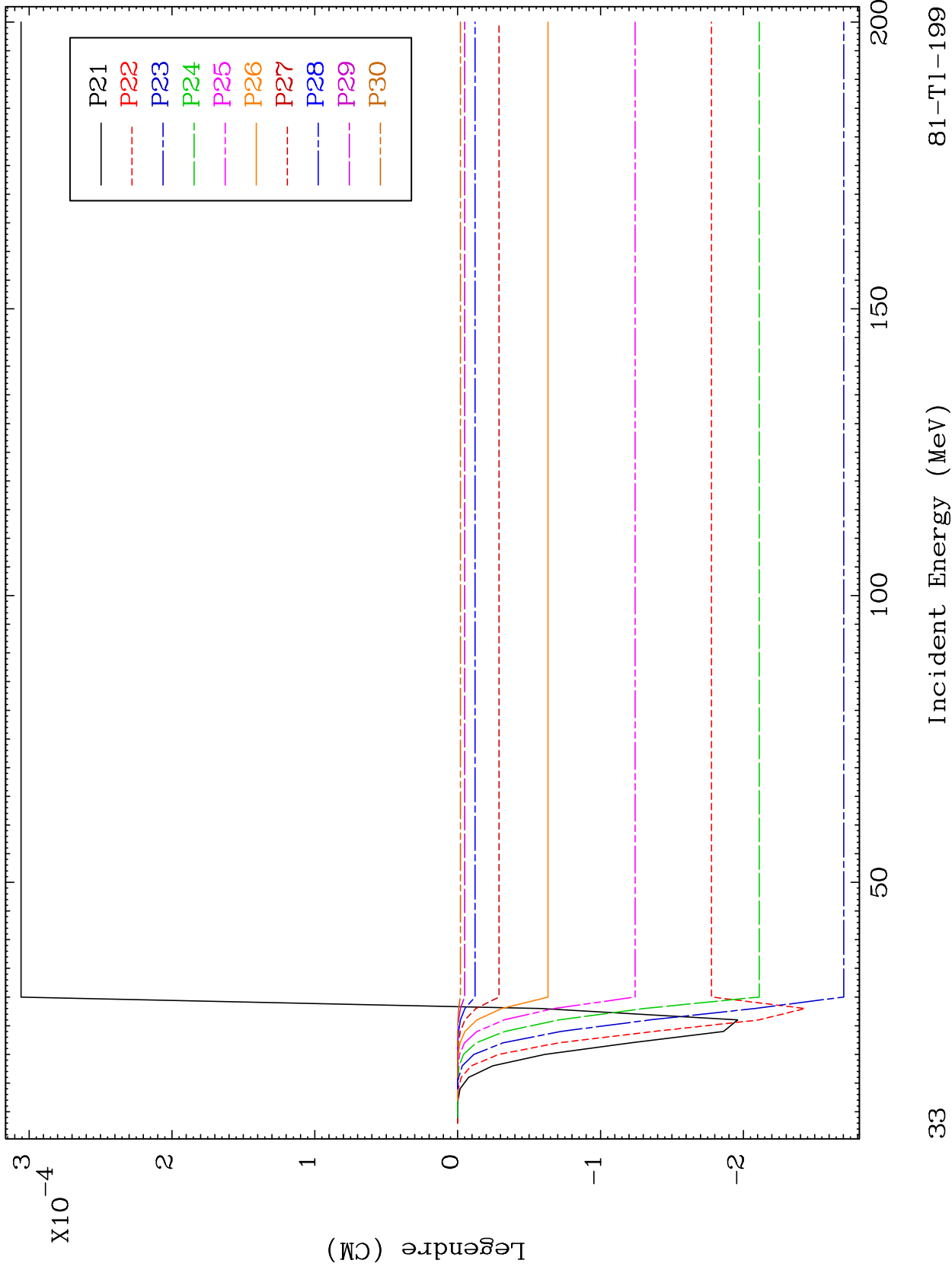
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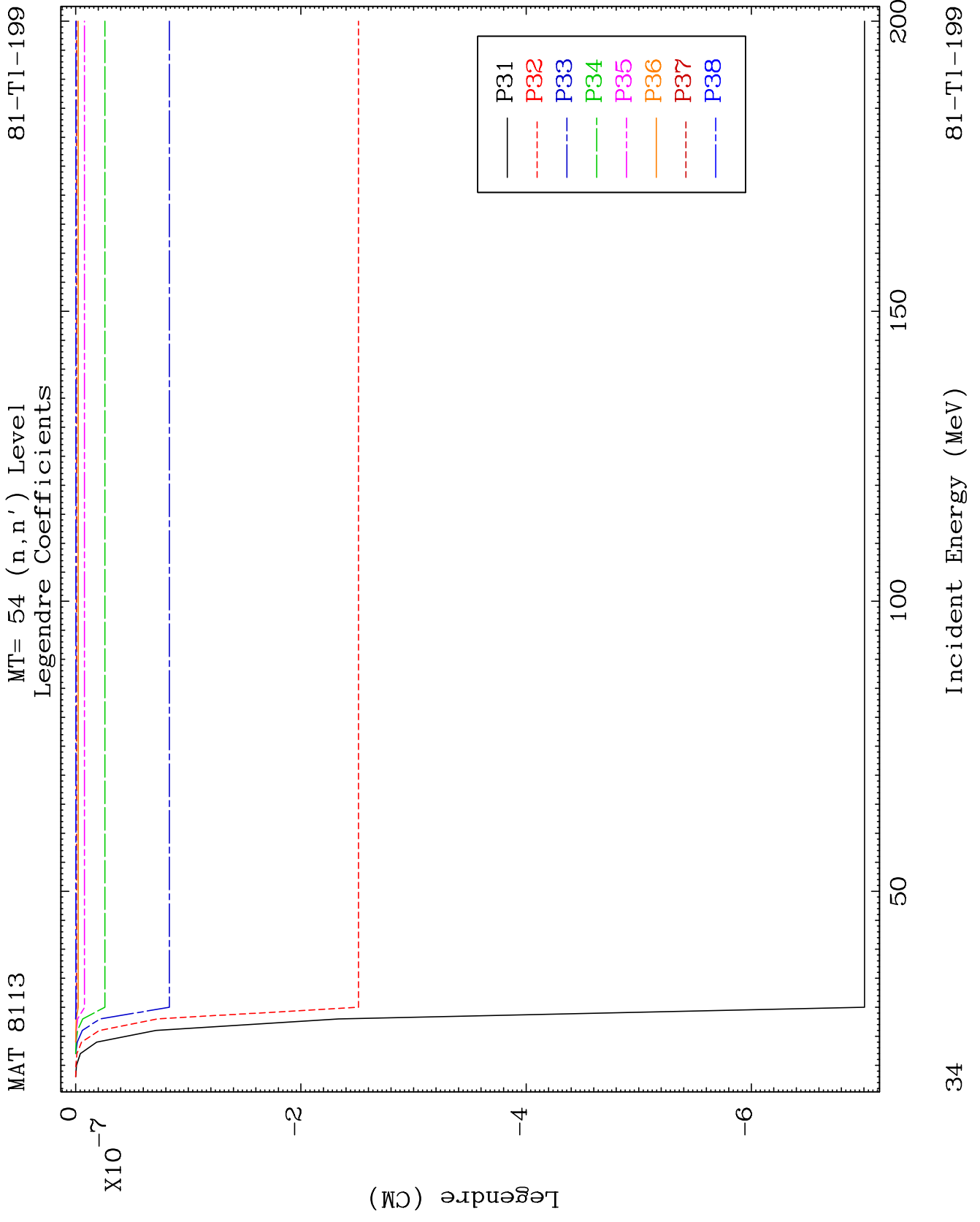


32

Incident Energy (MeV)

81-Tl-199

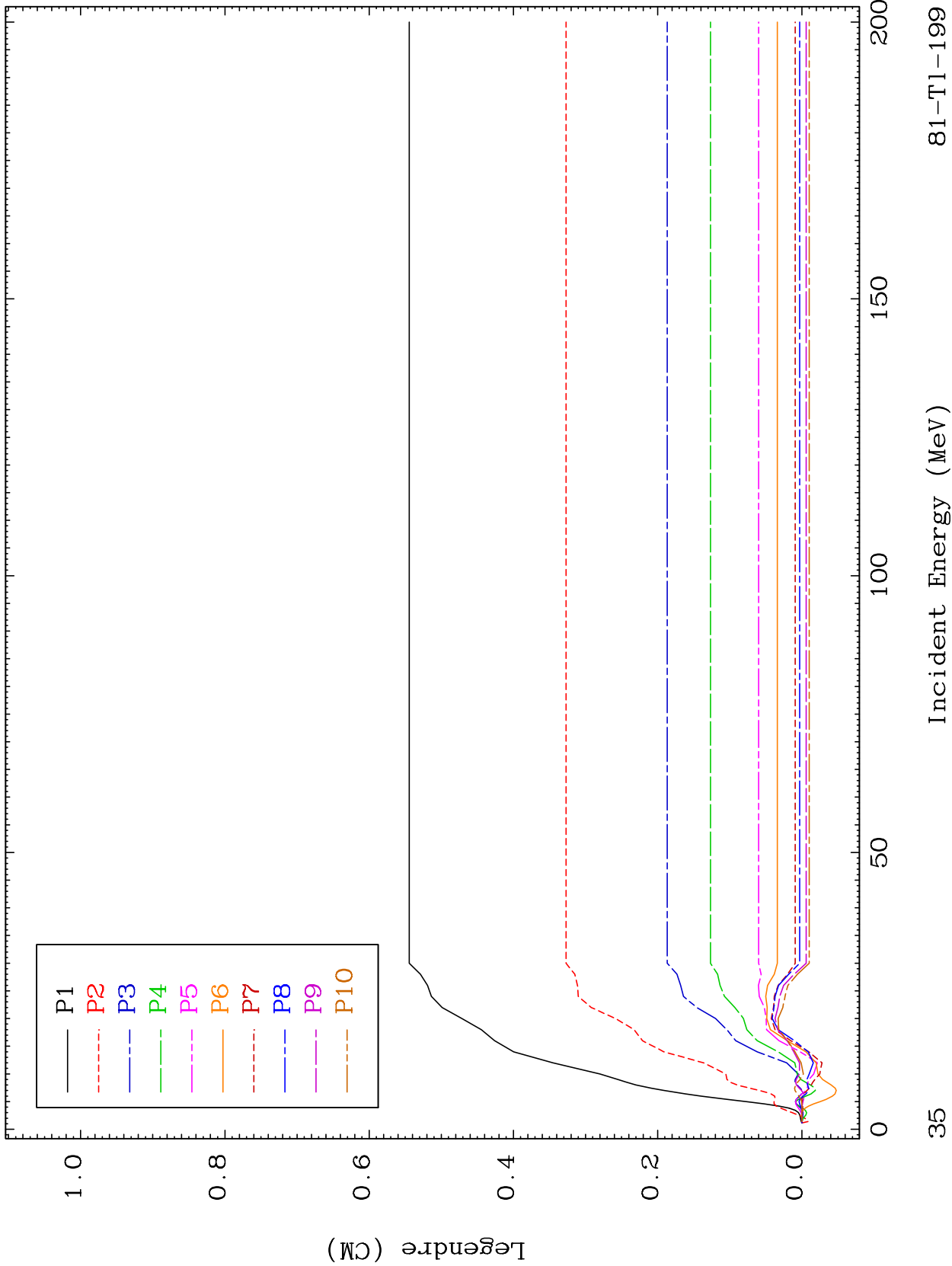




MAT 81113

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

81-T1-199



81-T1-199

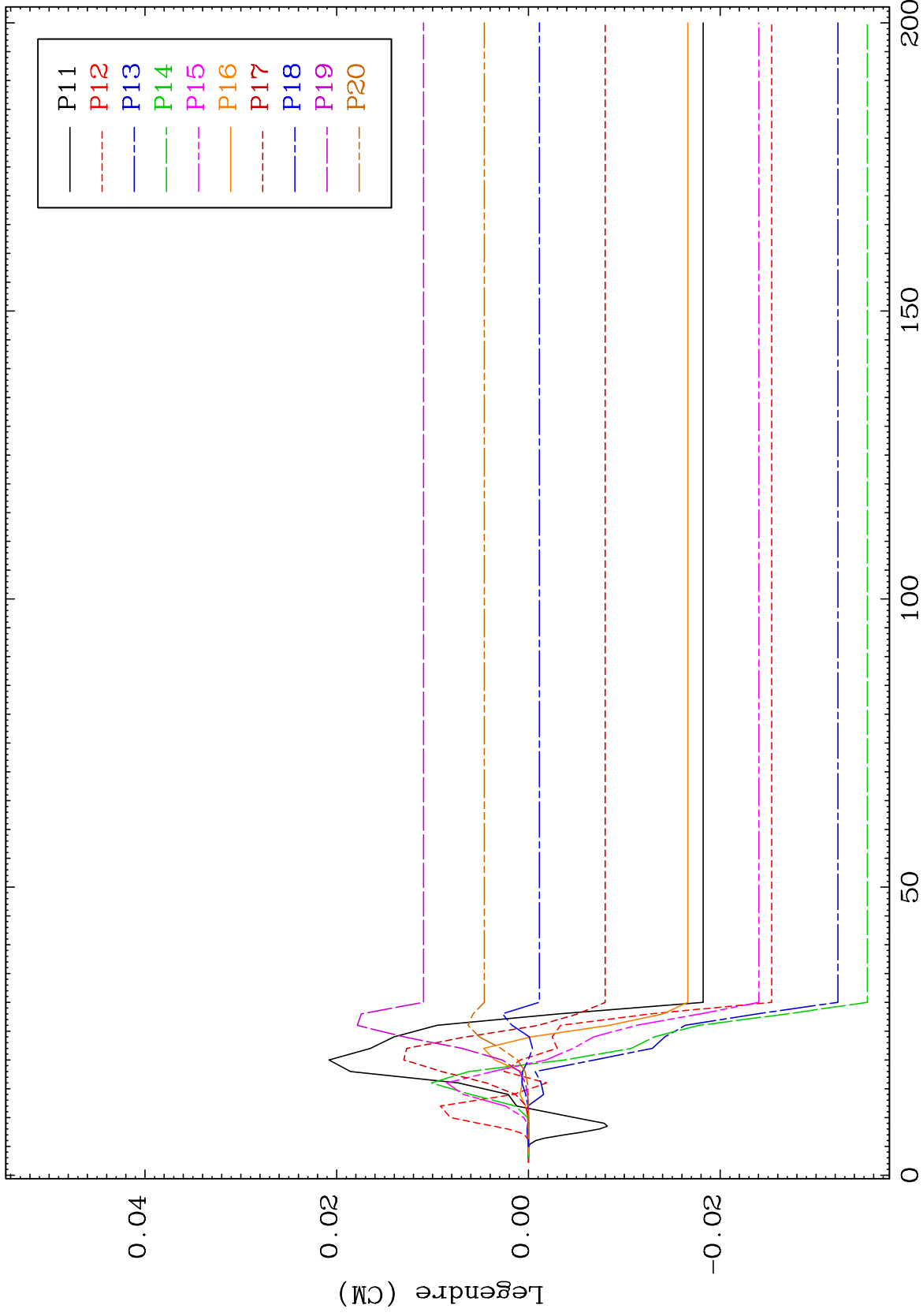
Incident Energy (MeV)

35

MAT 81113

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

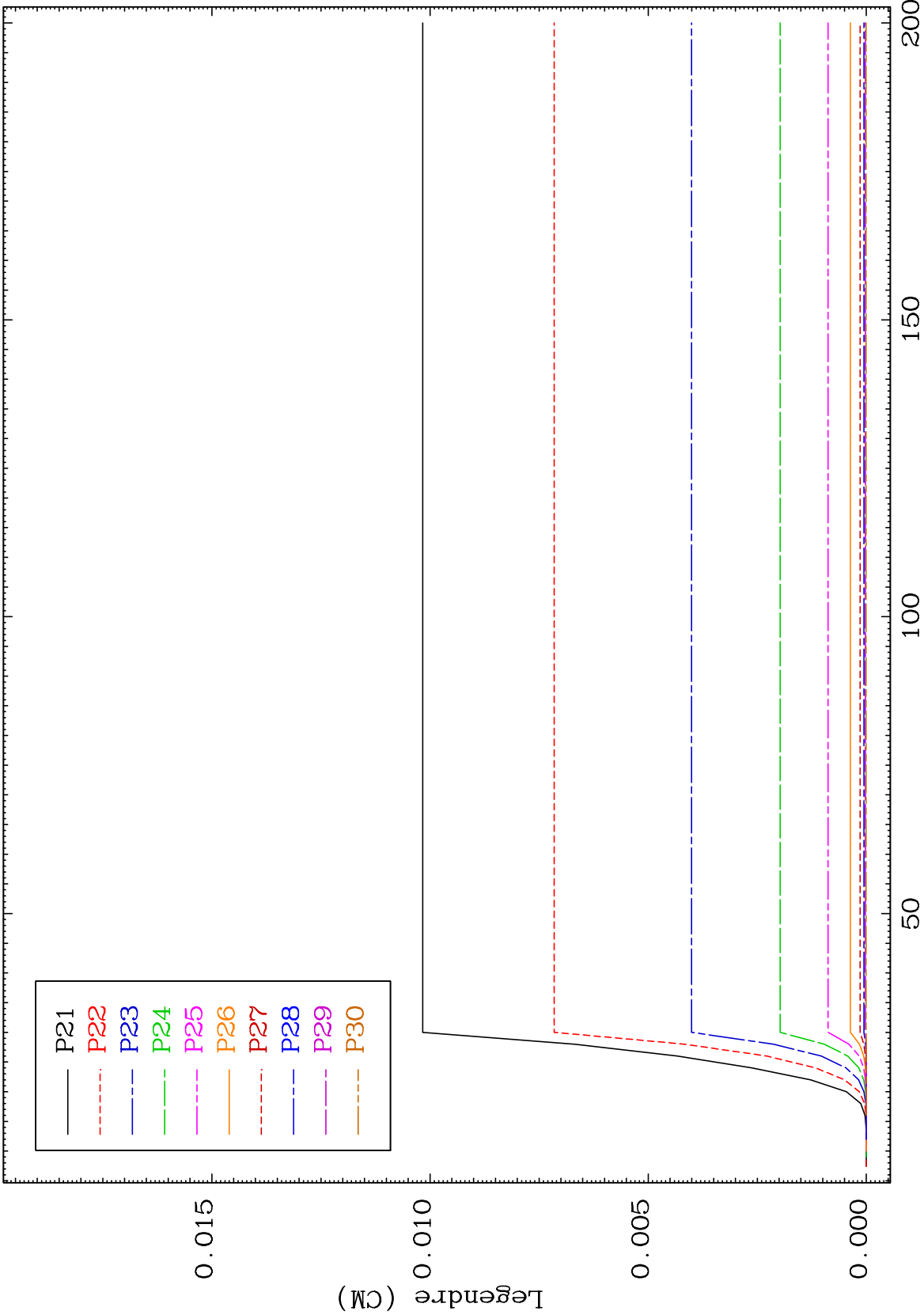
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36

Incident Energy (MeV)

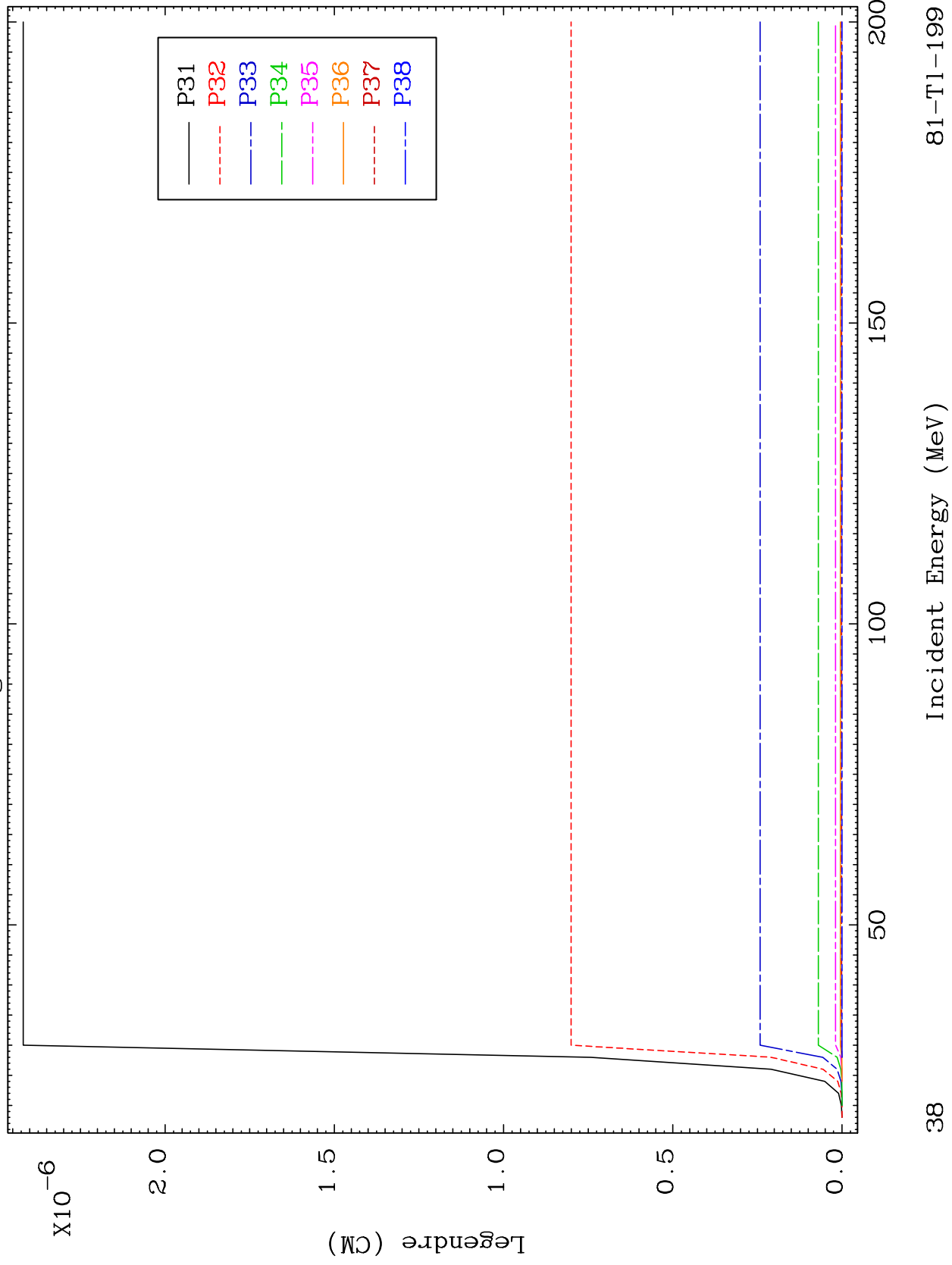
81-T1-199



MAT 81113

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

81-T1-199

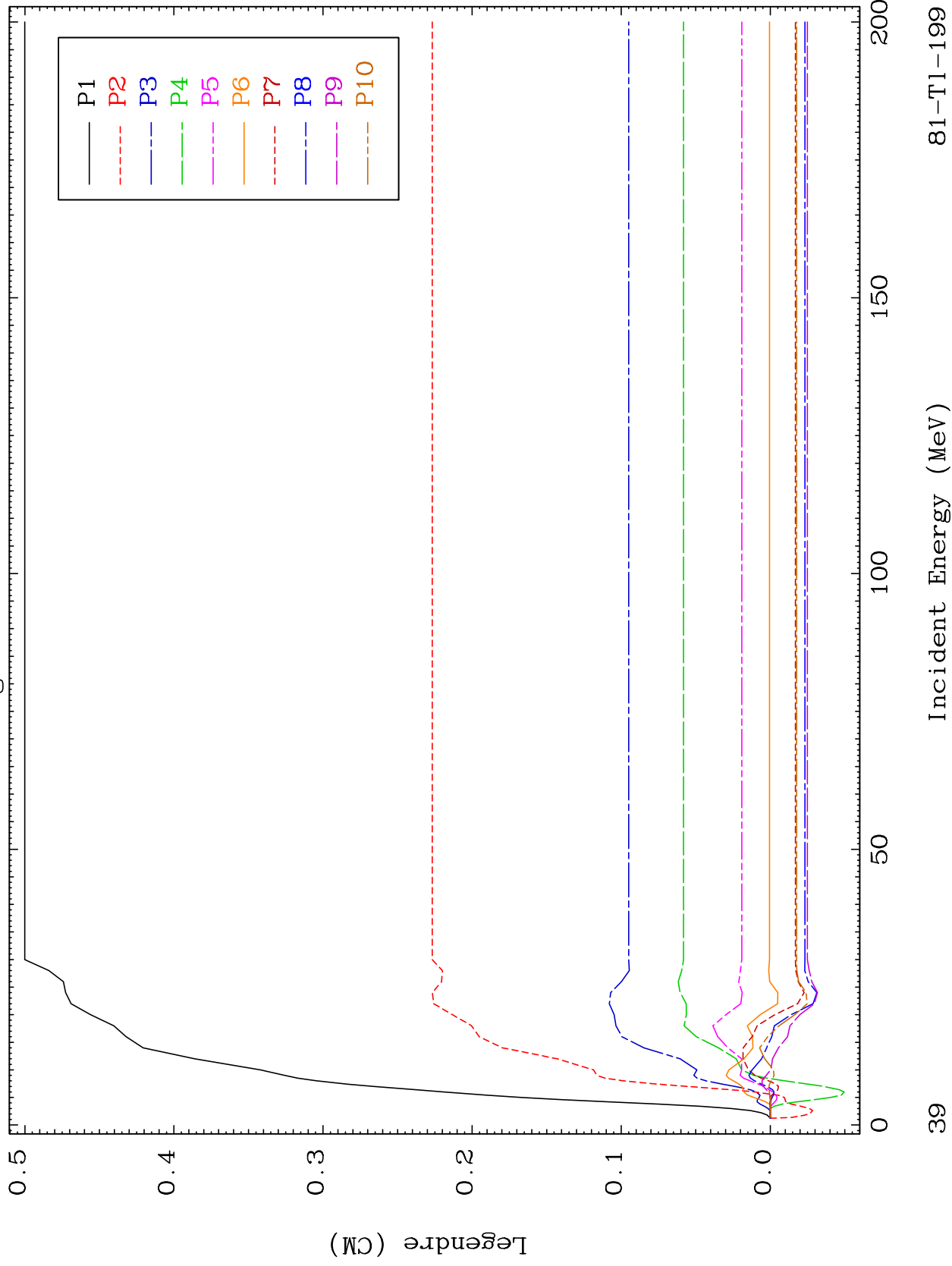


MAT 81113

MT= 56 (n,n') Level

81-T1-199

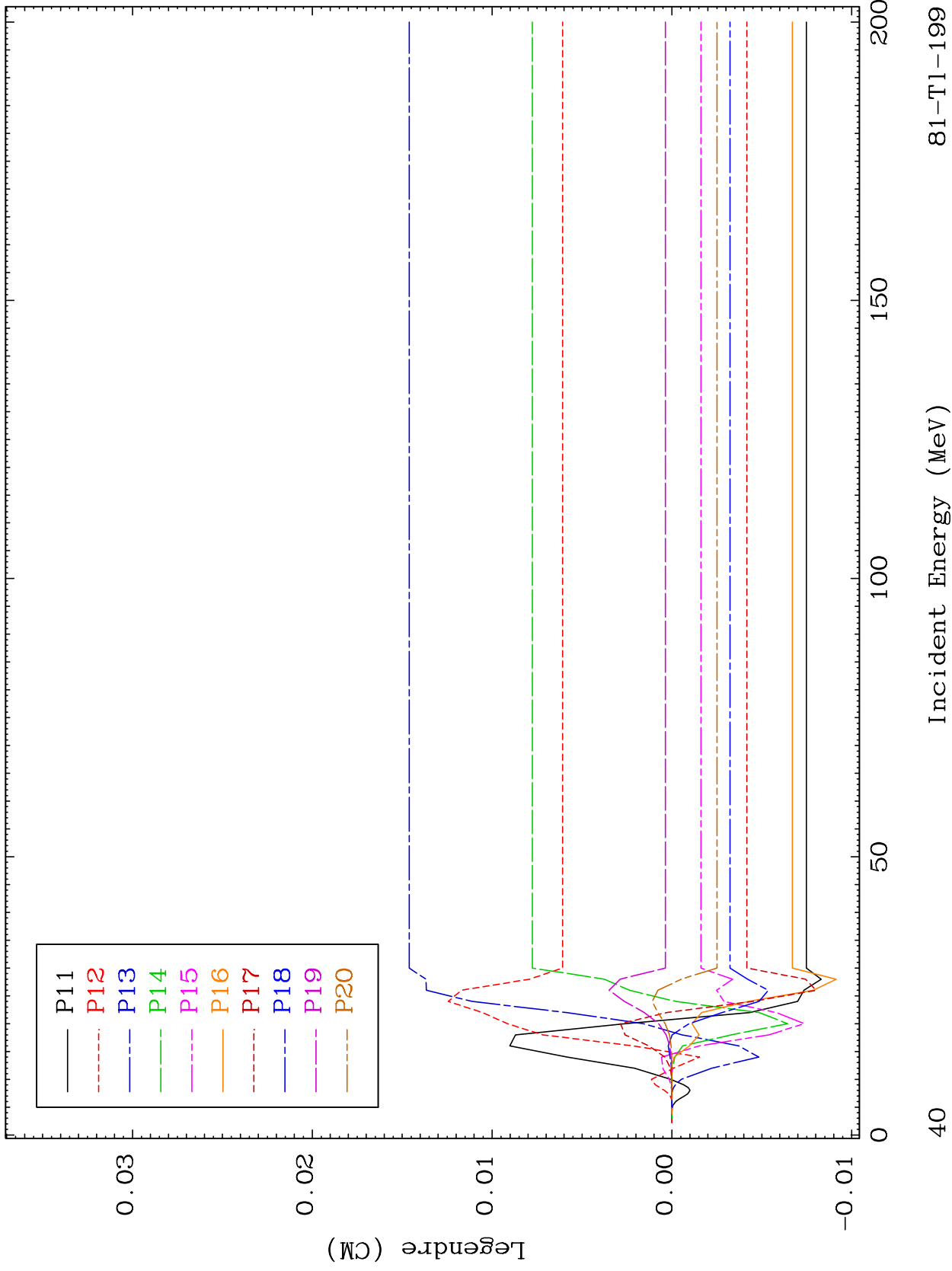
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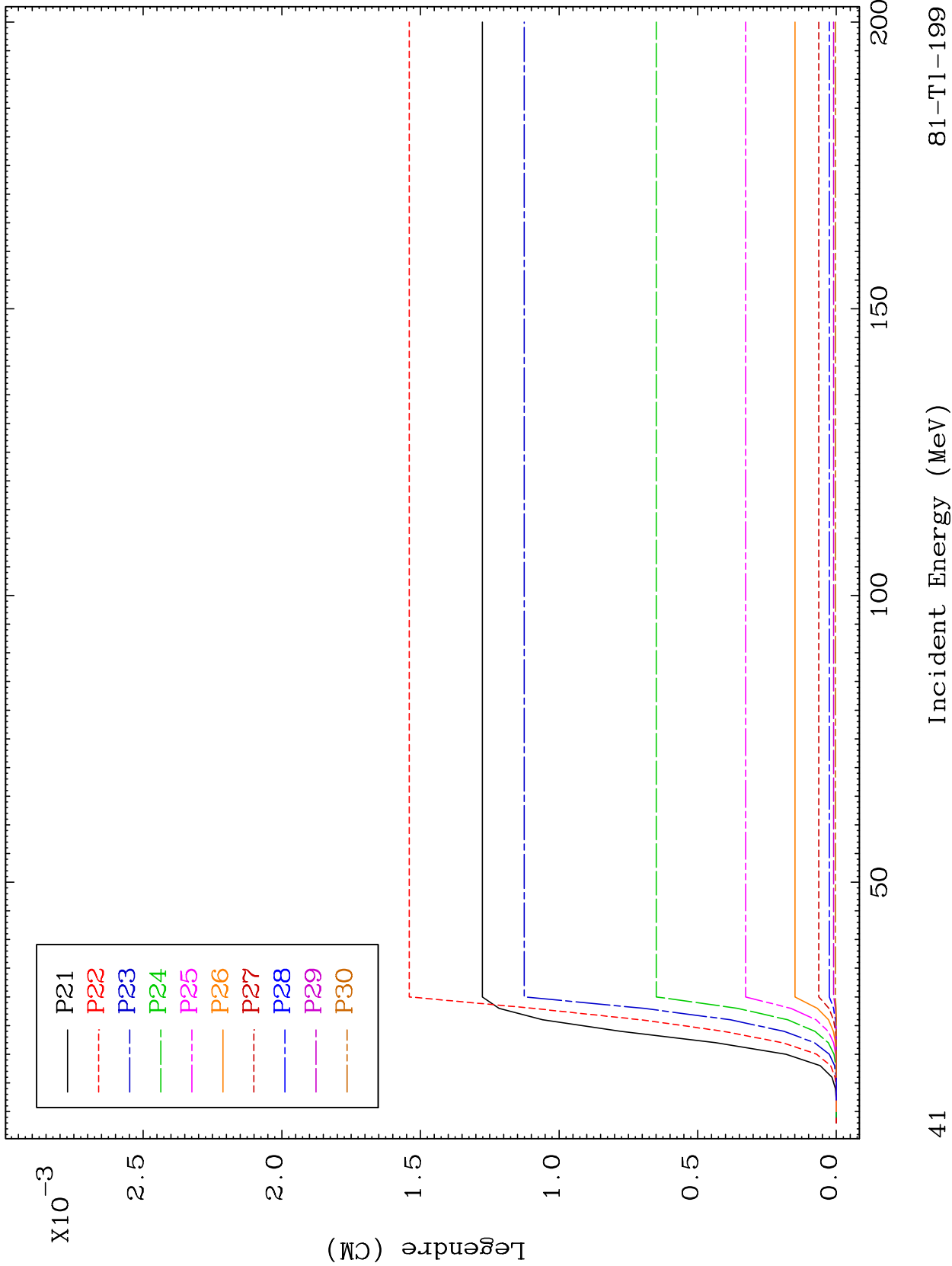


MAT 8113

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

81-T1-199

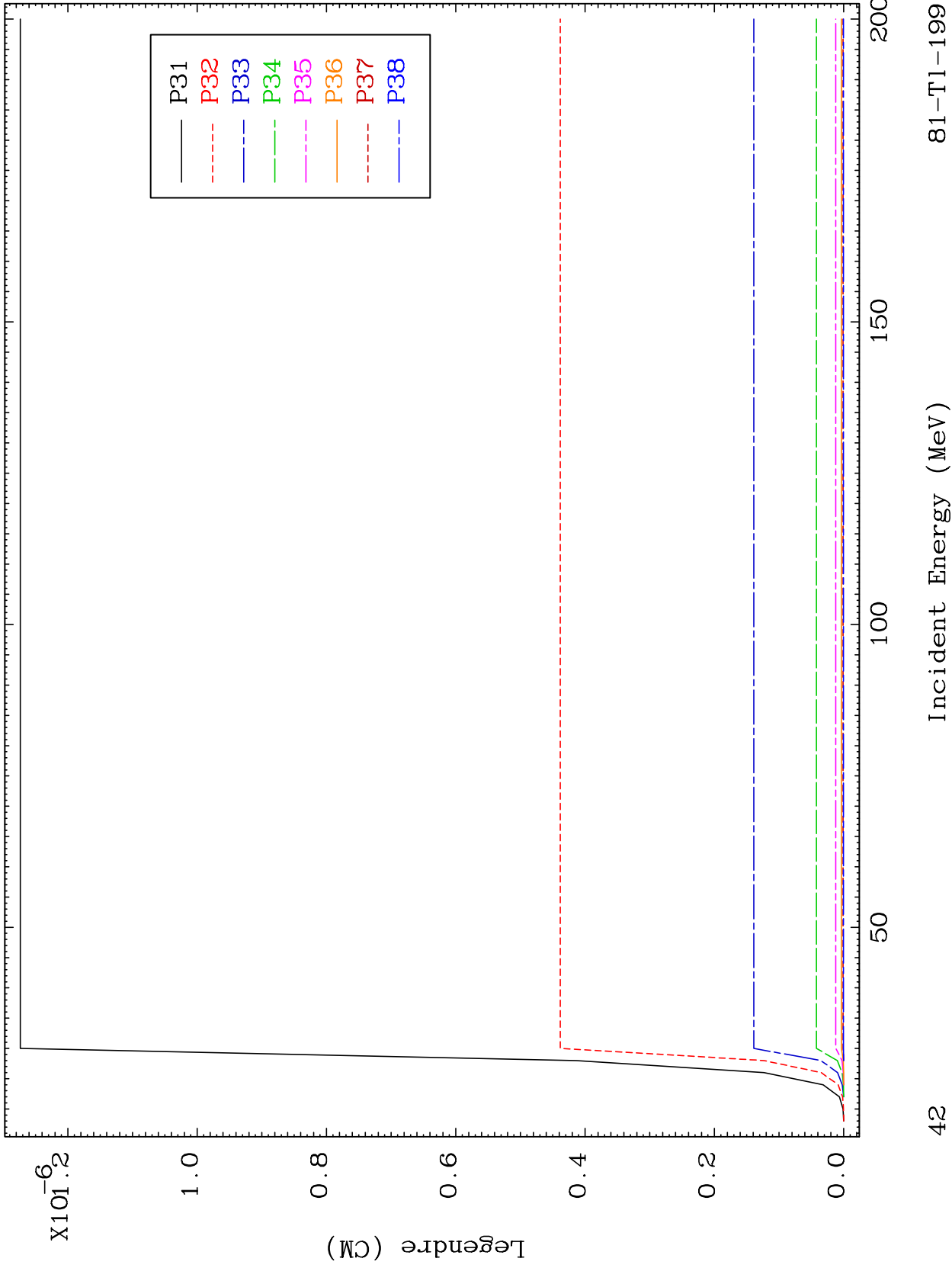


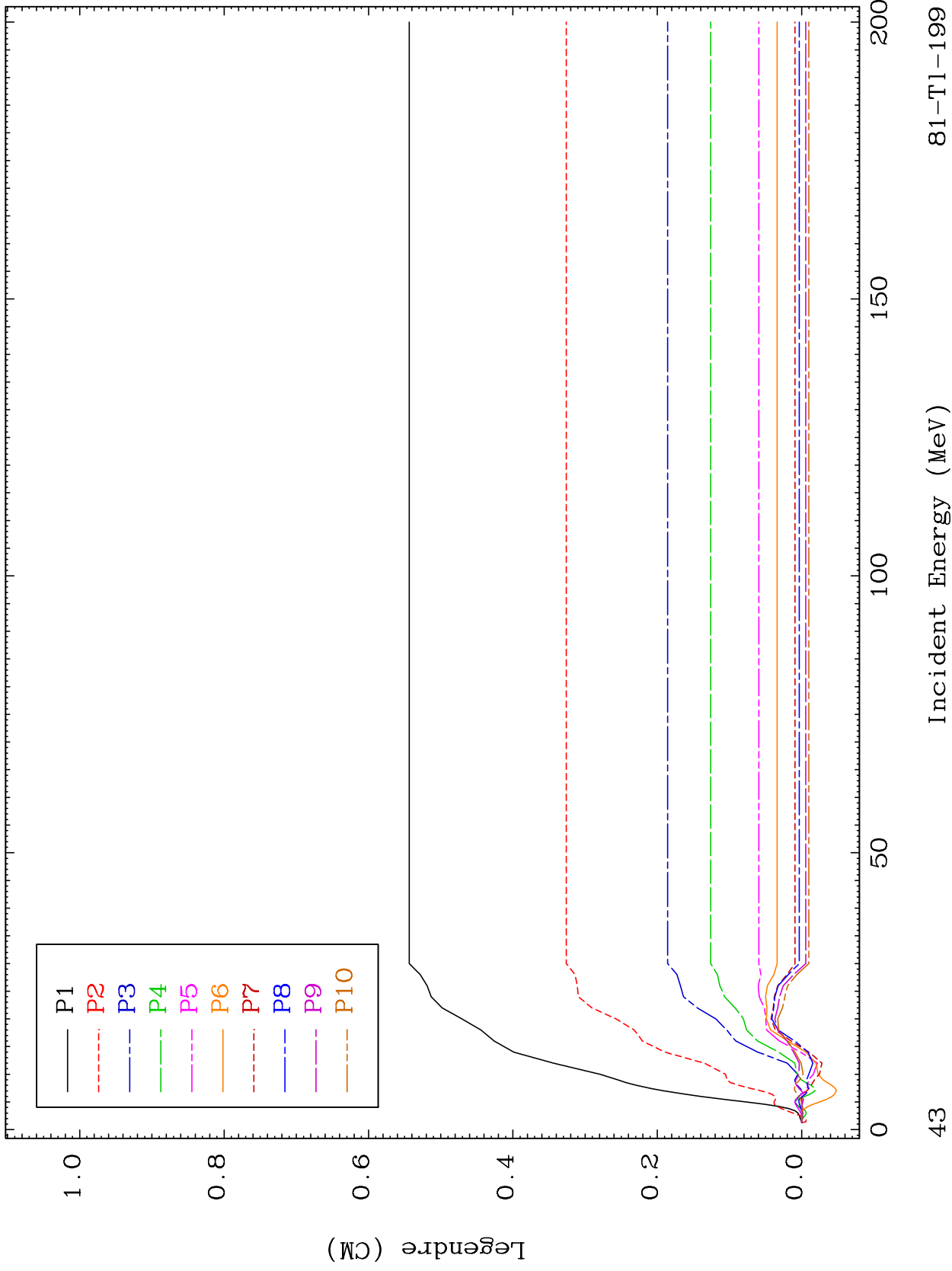


MAT 81113

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

81-T1-199

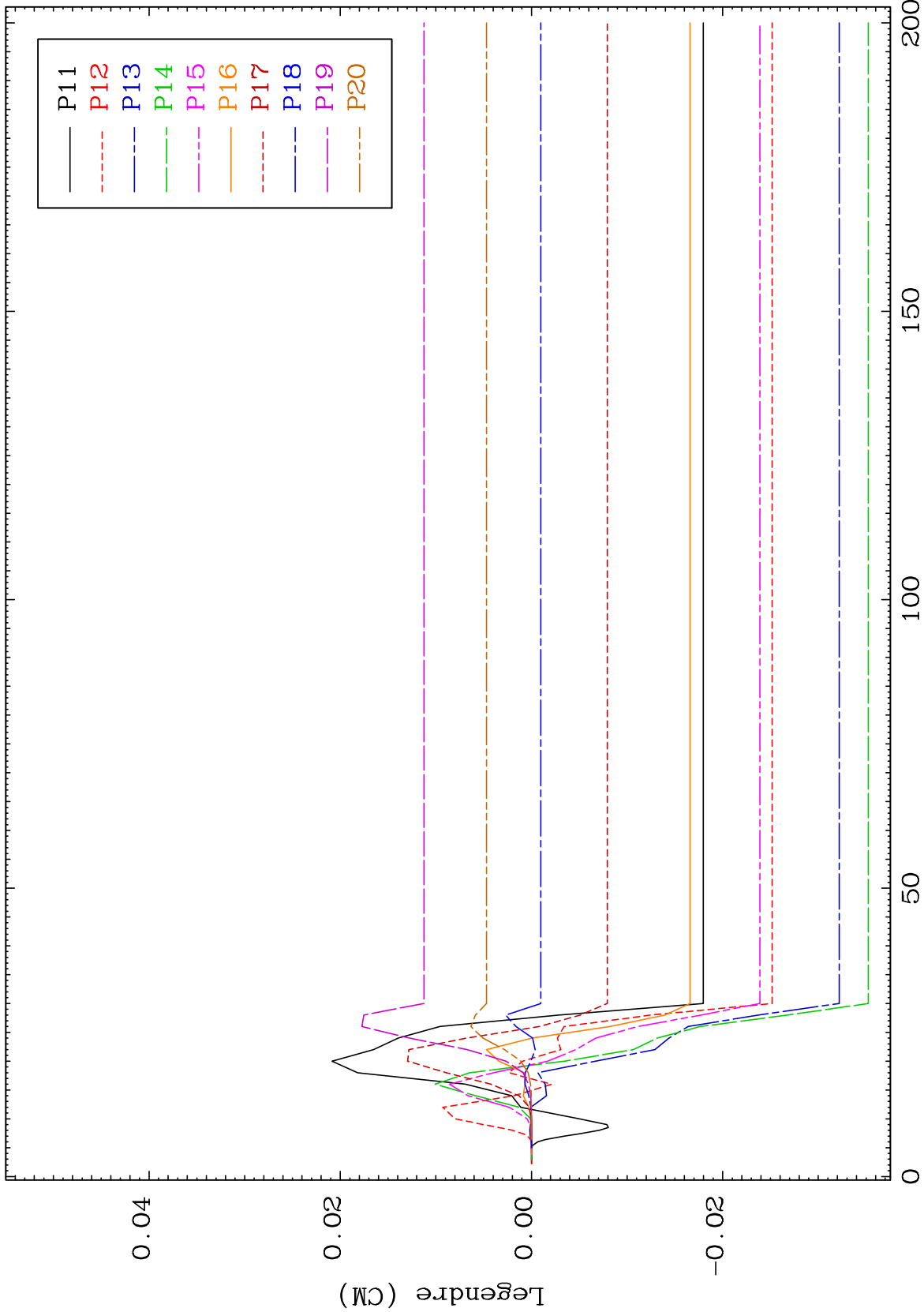




MAT 81113

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

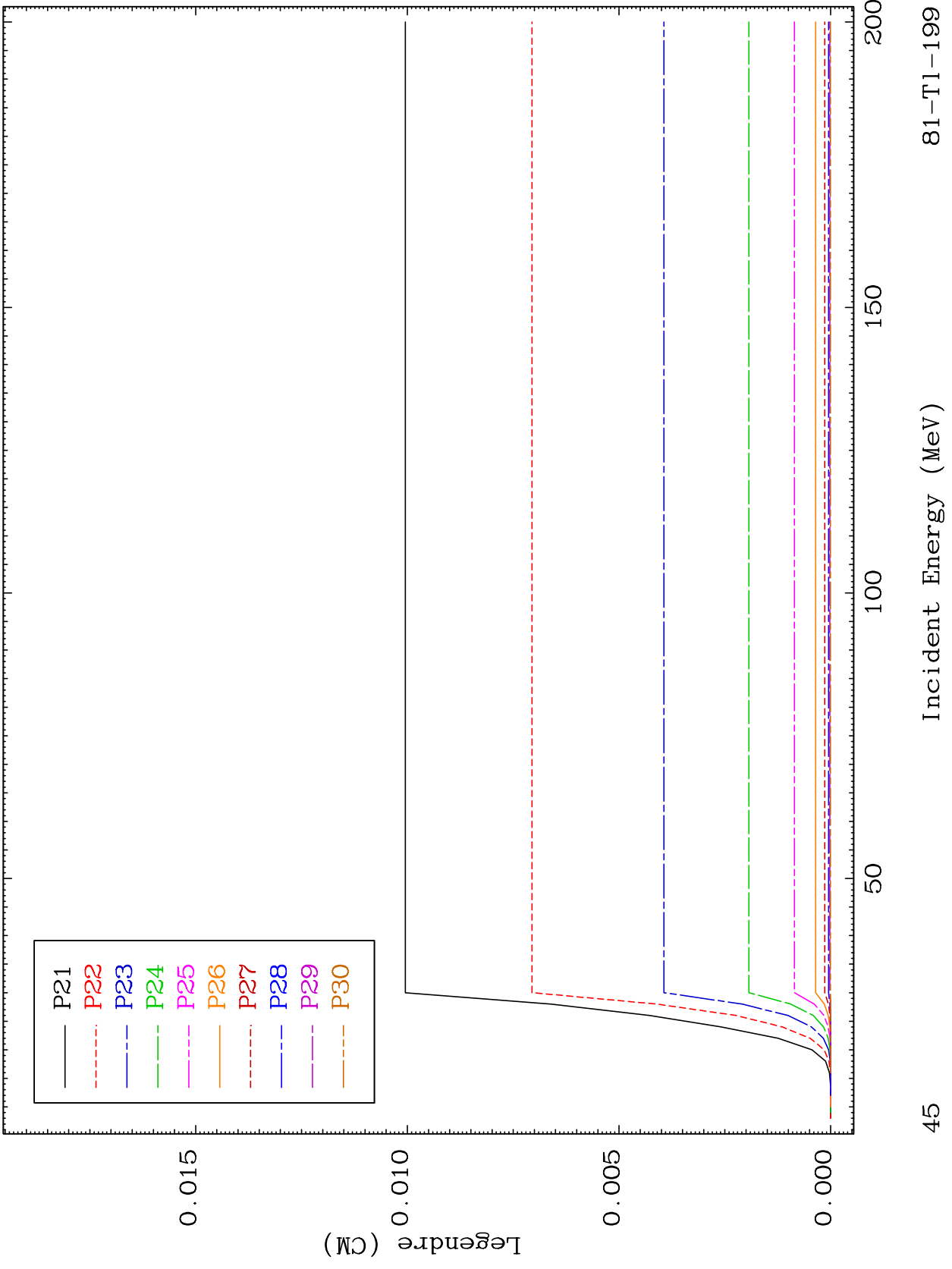
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MAT 81113

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

81-T1-199



45

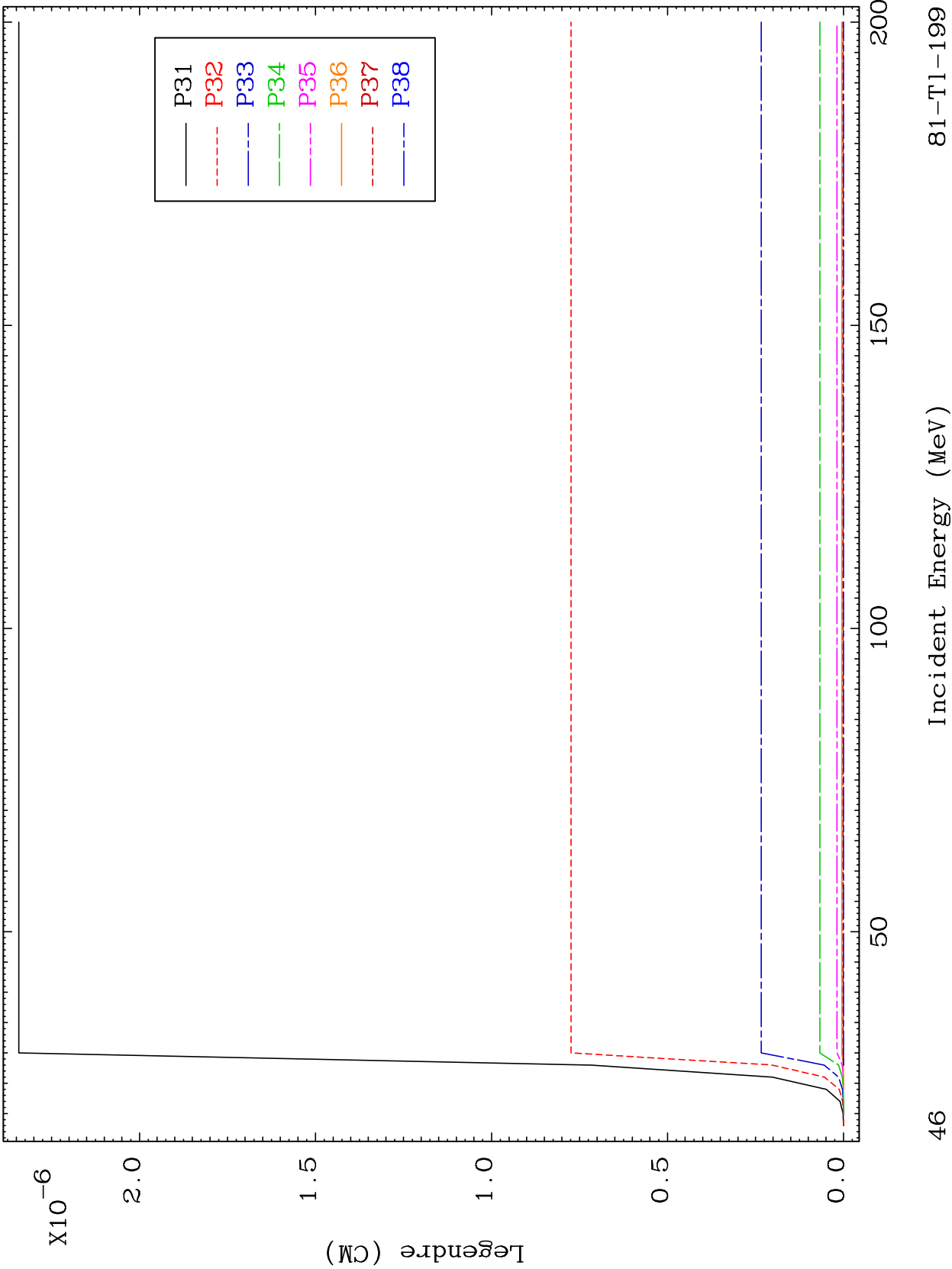
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



46

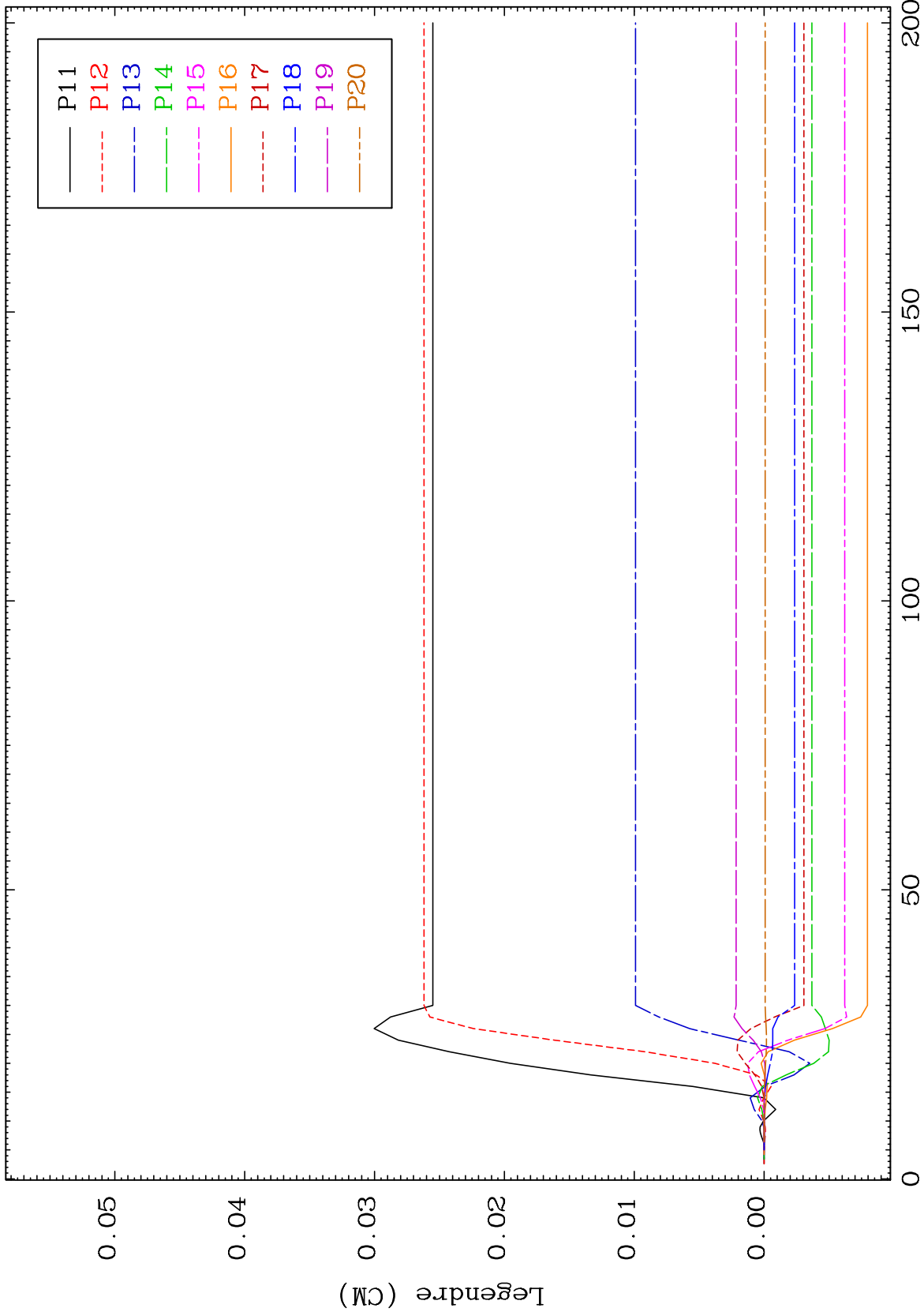
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-Tl-199



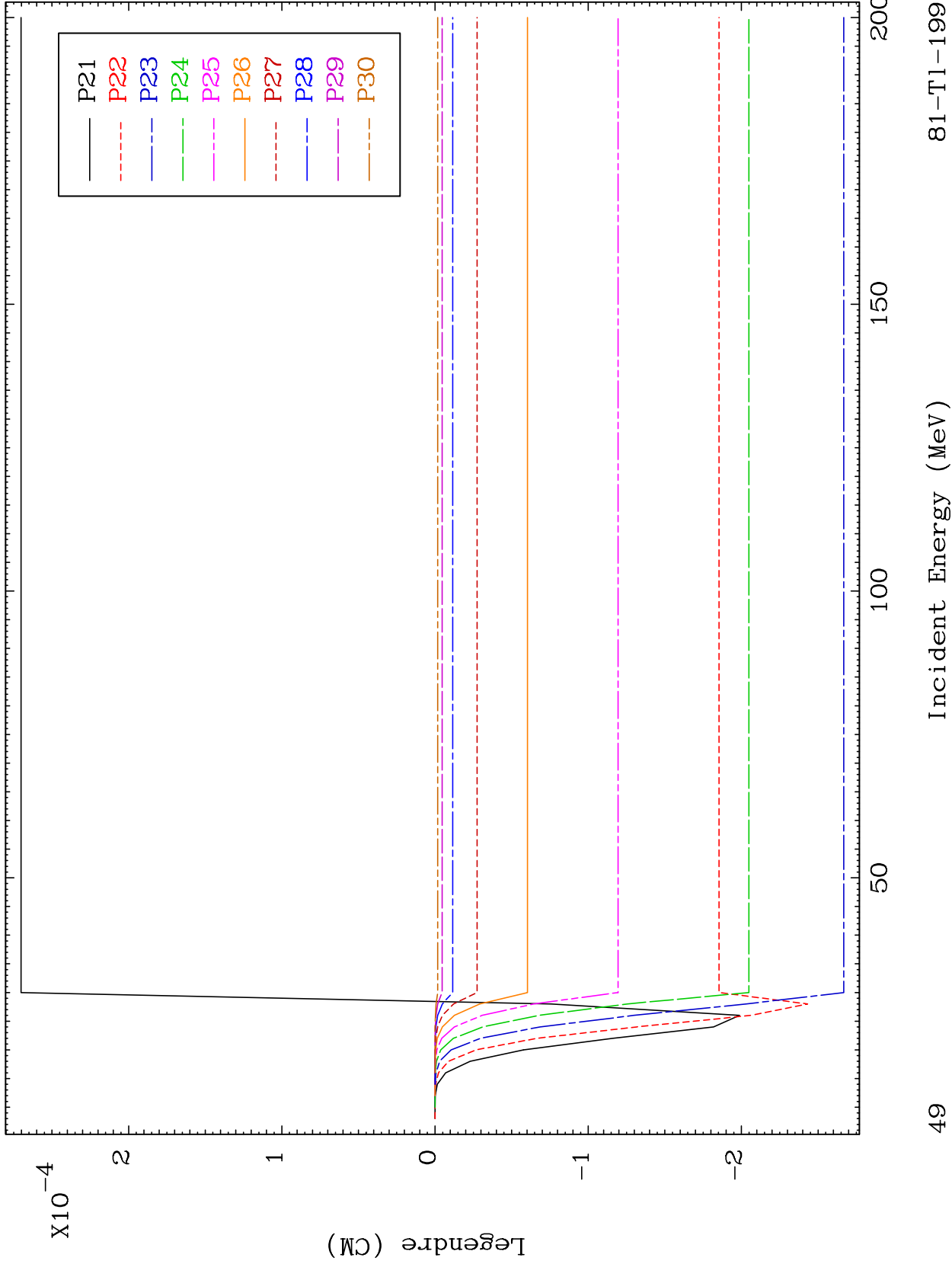
48

81-Tl-199

MAT 81113

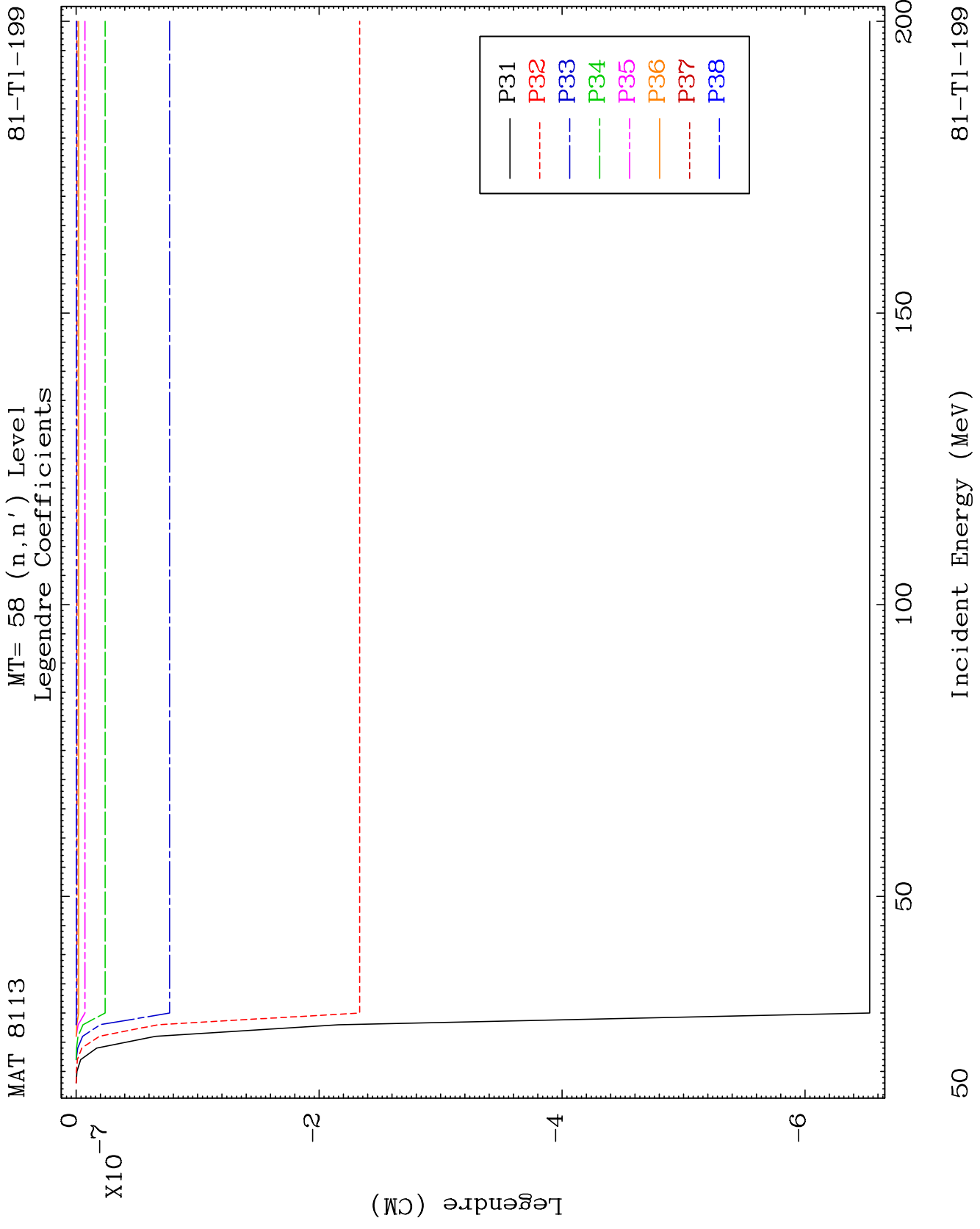
MT= 58 (n,n') Level
Legendre Coefficients

81-T1-199



49

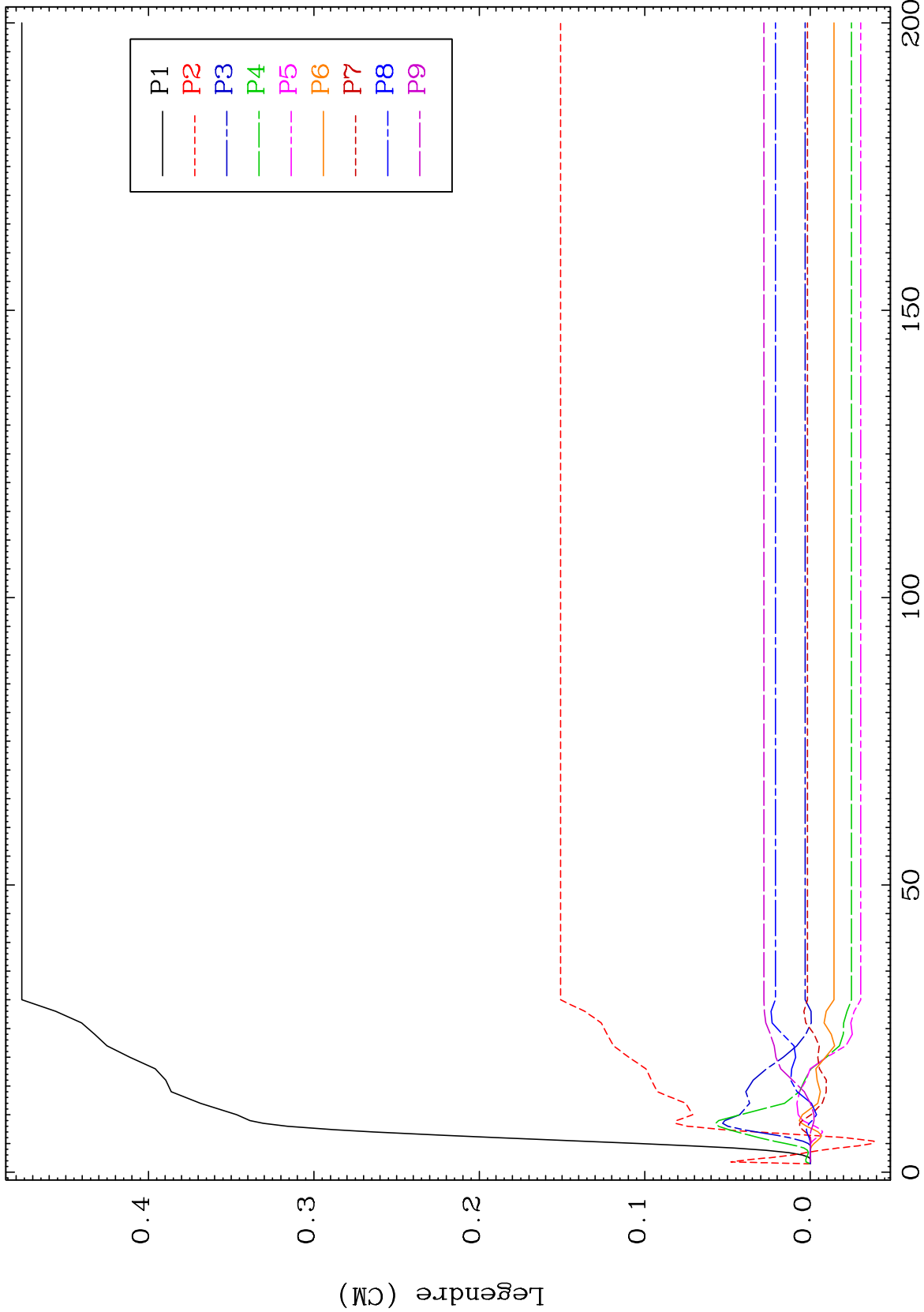
81-T1-199



MAT 81113

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

81-T1-199



51

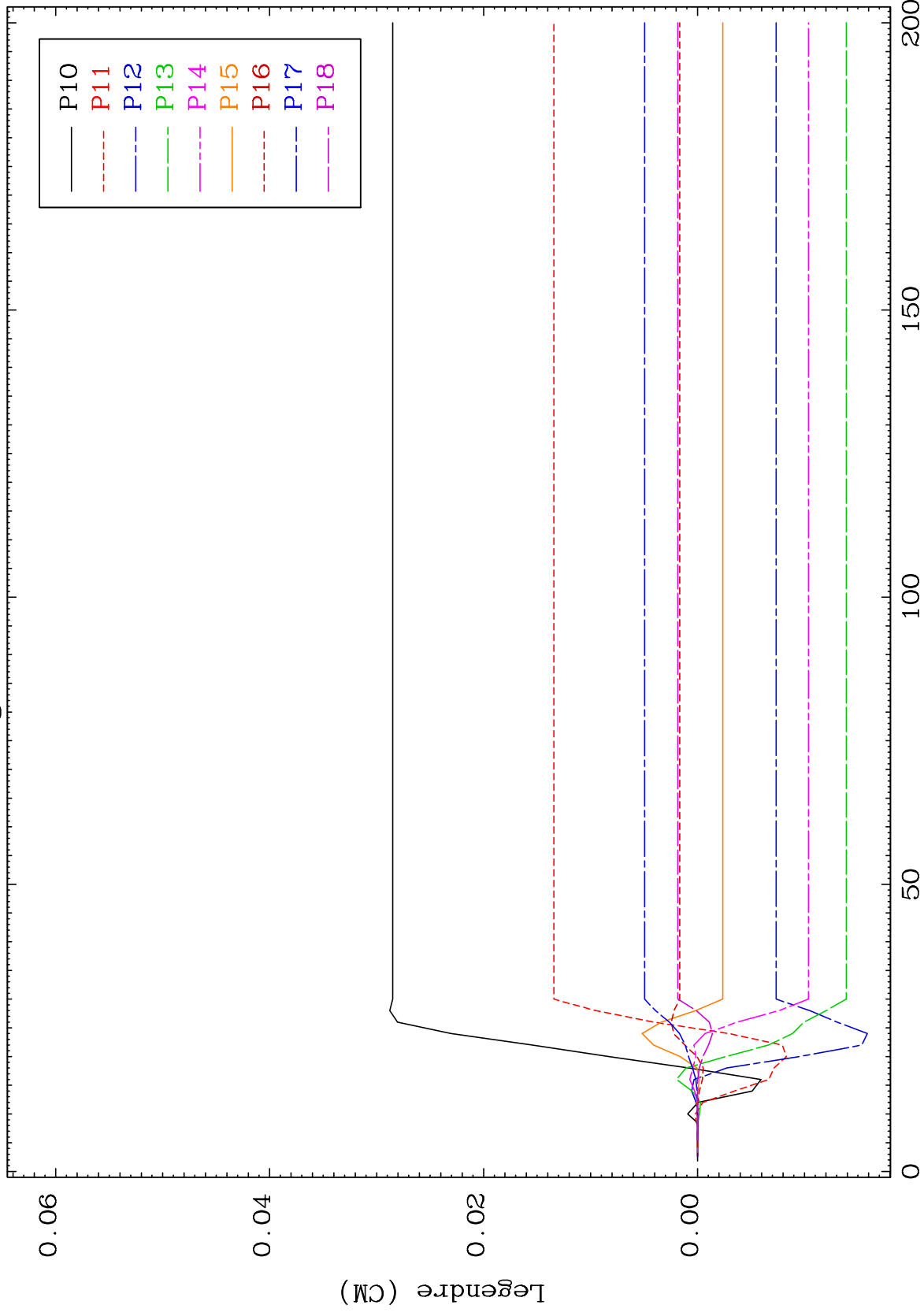
Incident Energy (MeV)

81-T1-199

MAT 81113

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

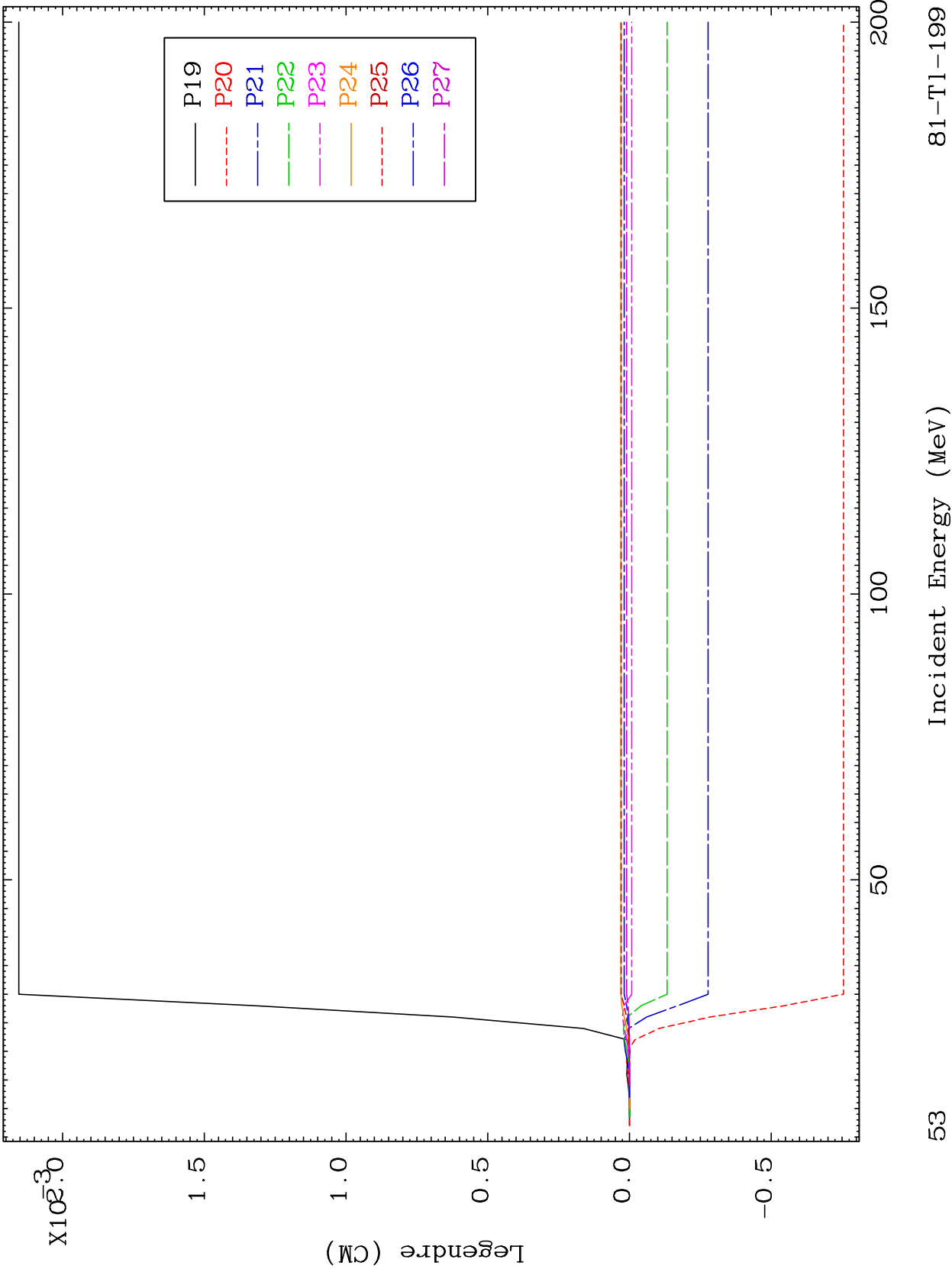
81-T1-199



52

Incident Energy (MeV)

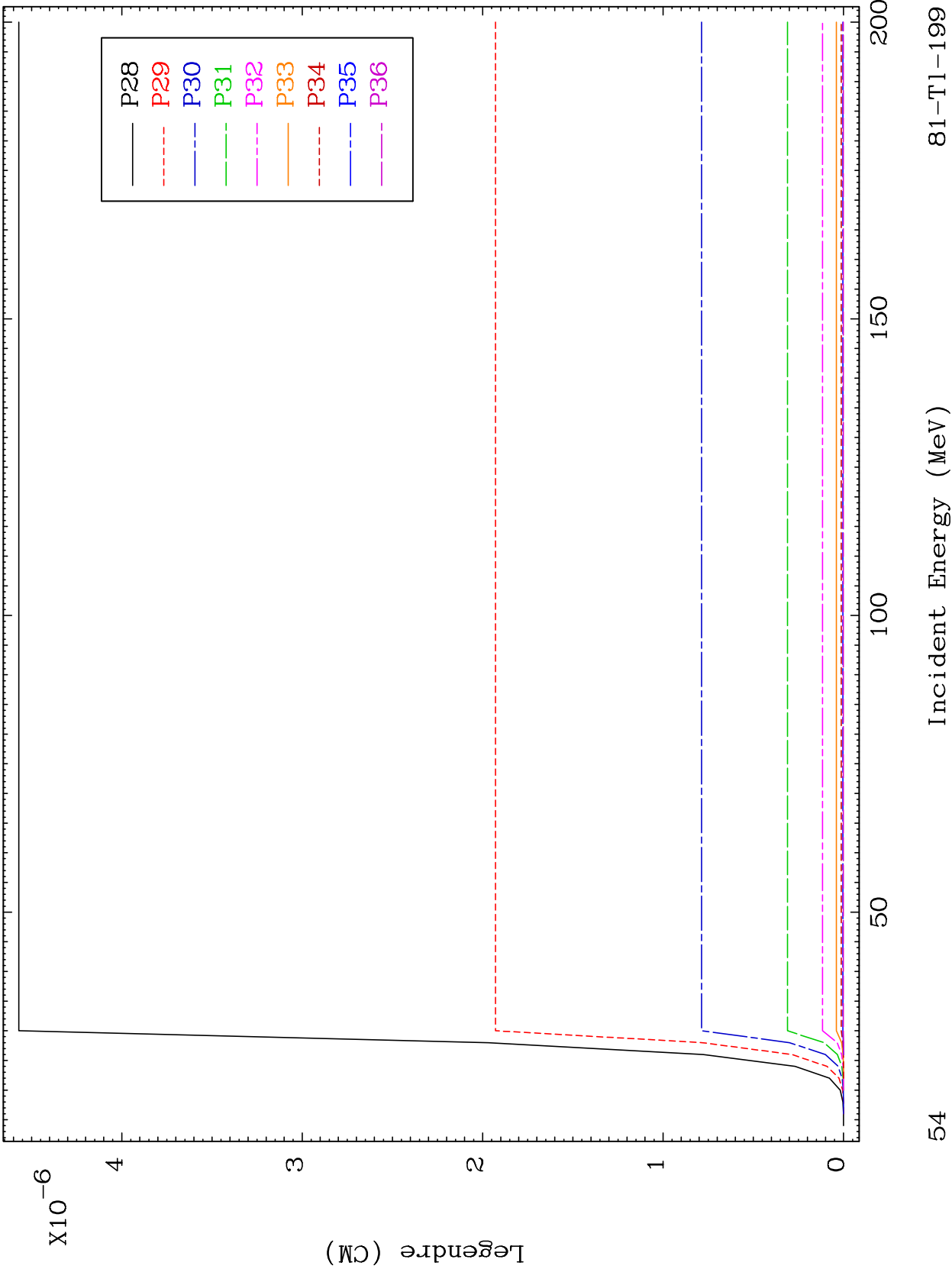
81-T1-199



MAT 8113

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

81-Tl-199



54

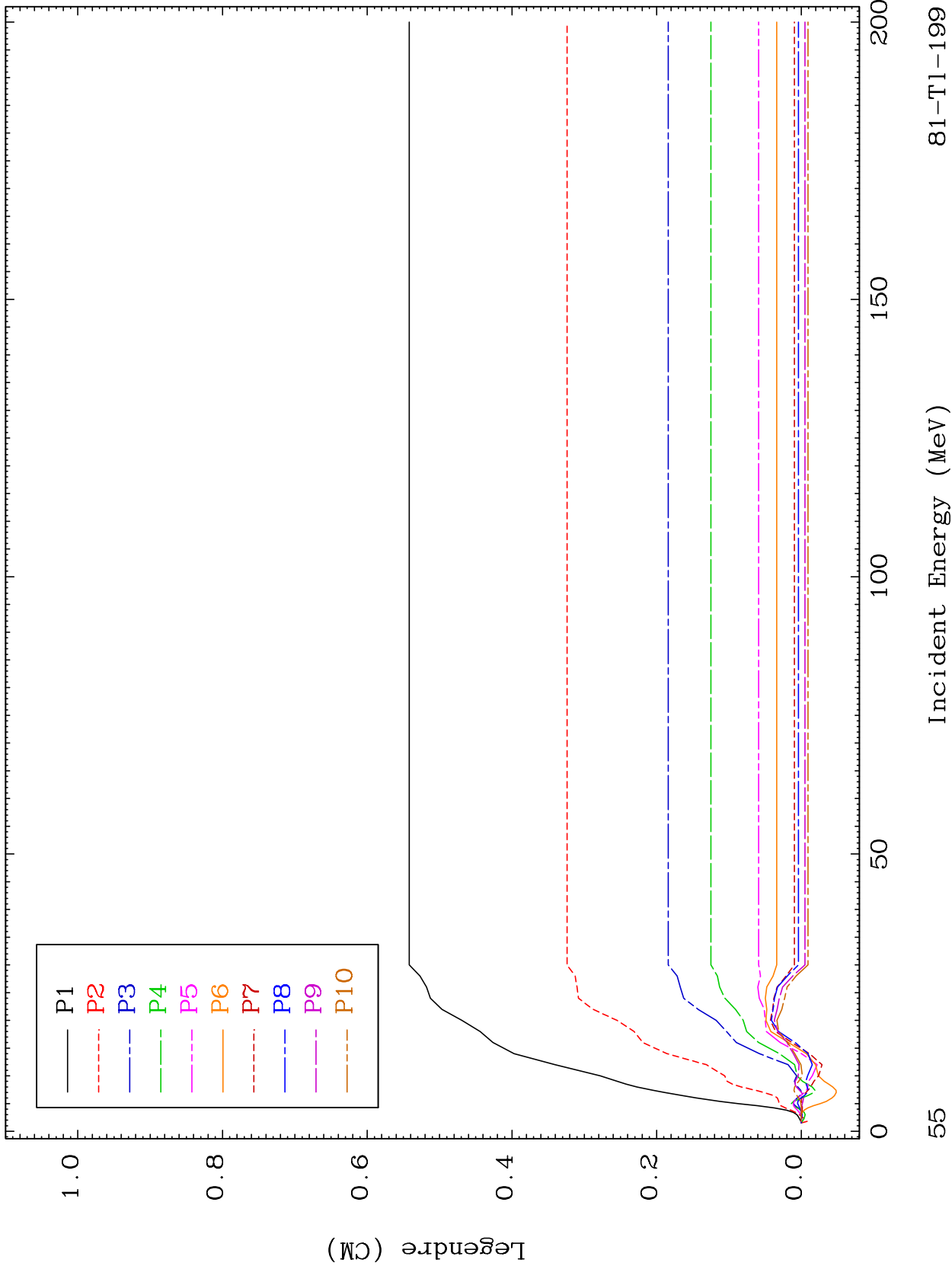
Incident Energy (MeV)

81-Tl-199

MAT 81113

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

81-T1-199

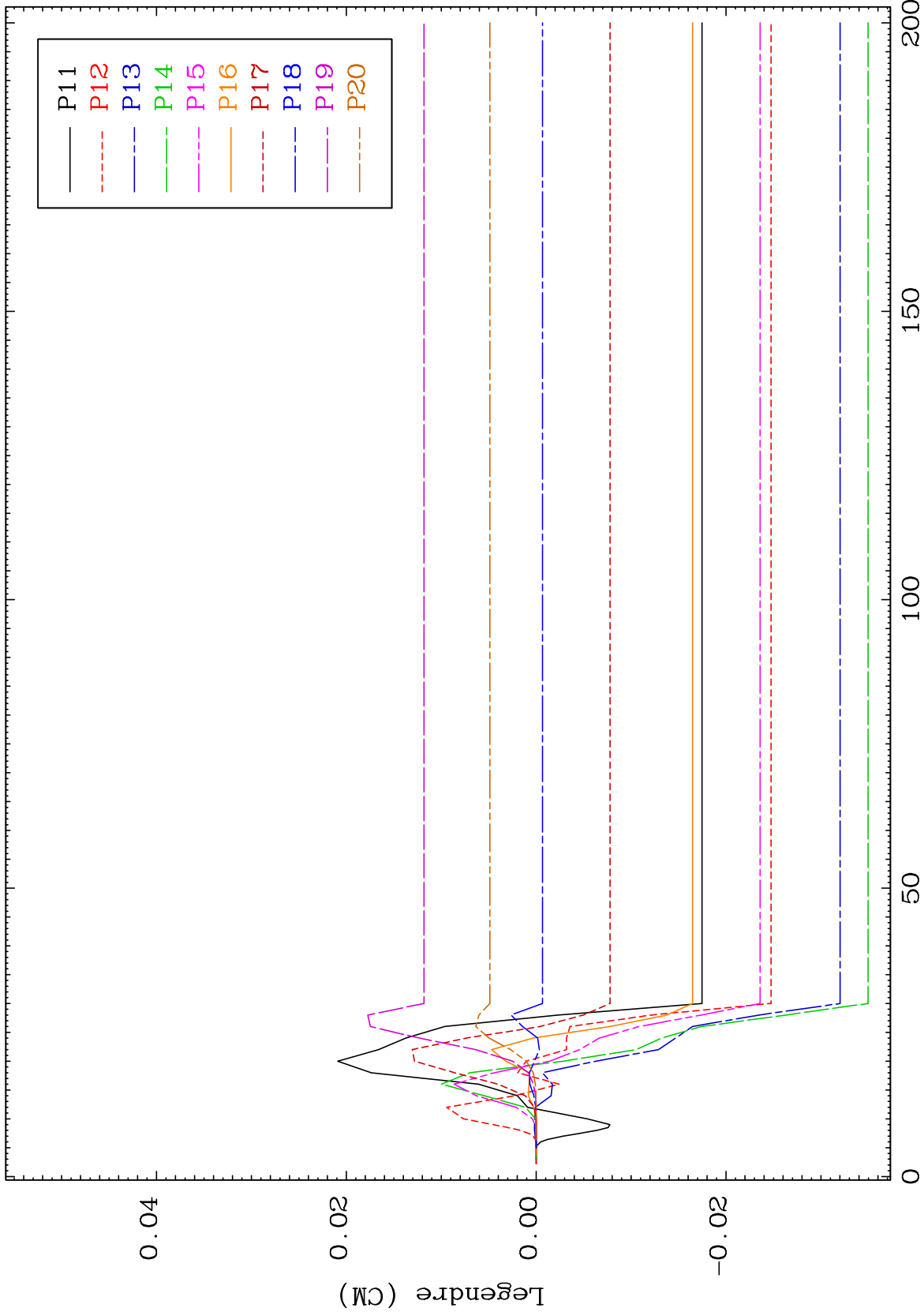


55

MAT 81113

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

81-Tl-199



56

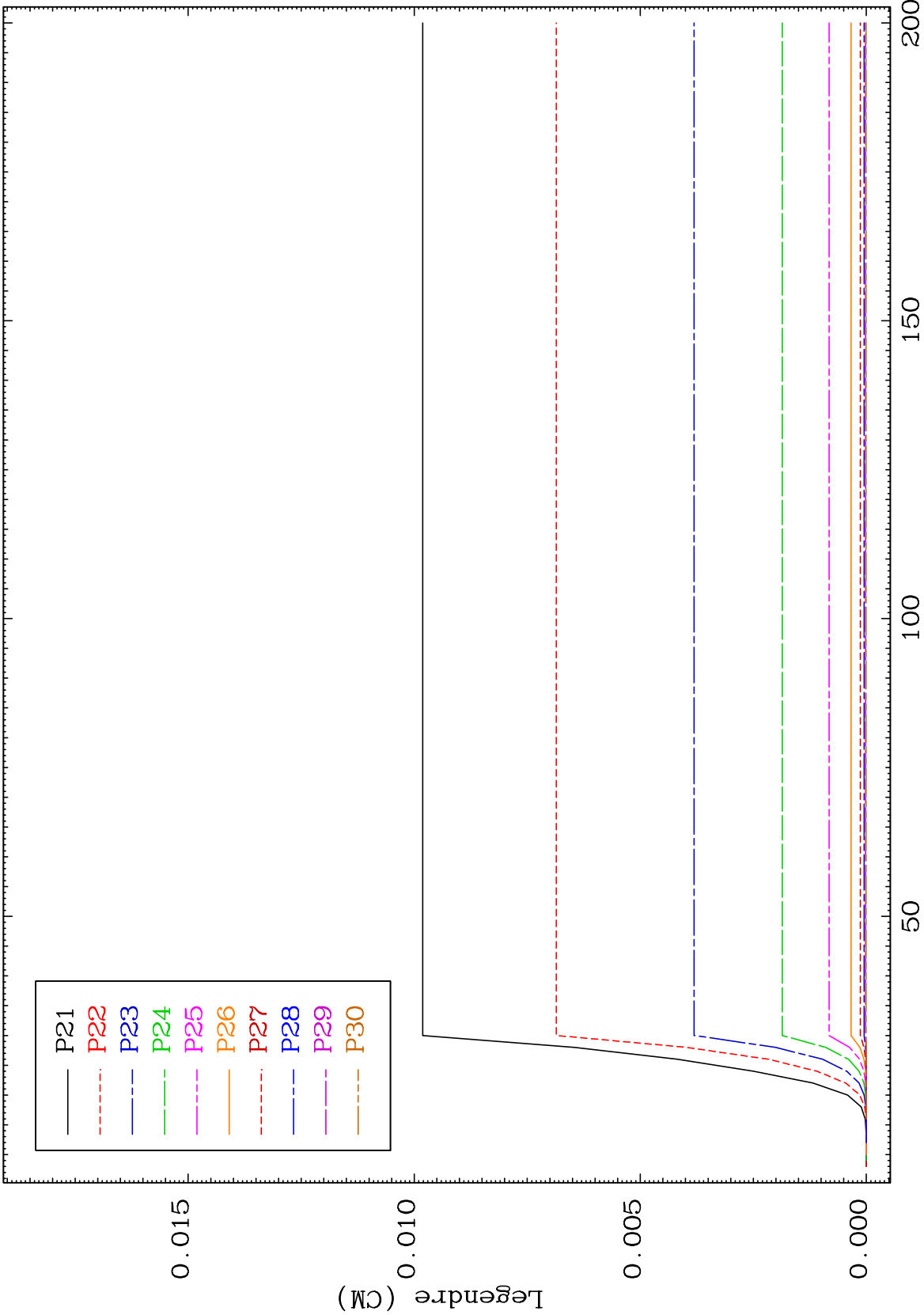
Incident Energy (MeV)

81-Tl-199

MAT 81113

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

81-T1-199



57

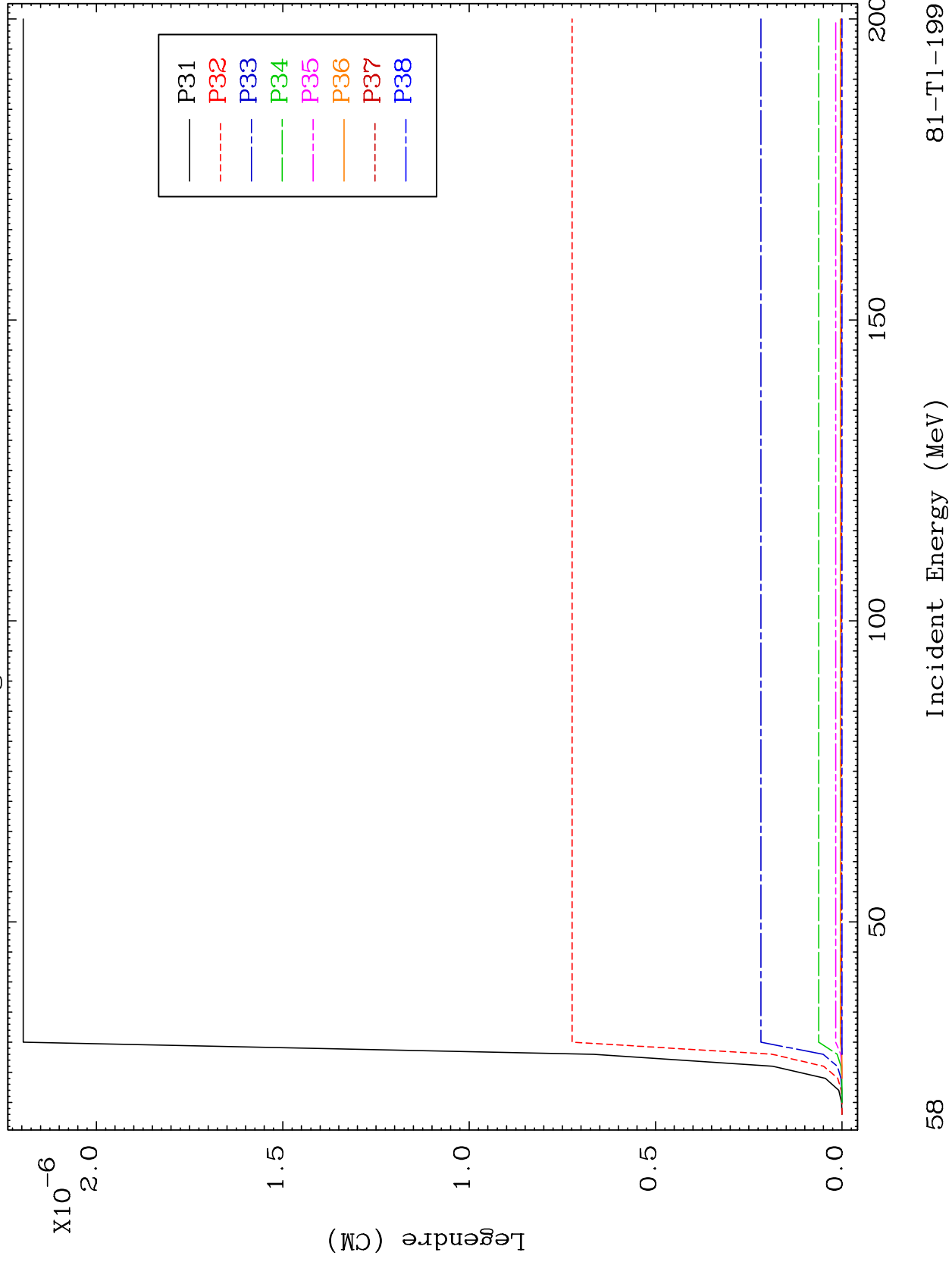
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



58

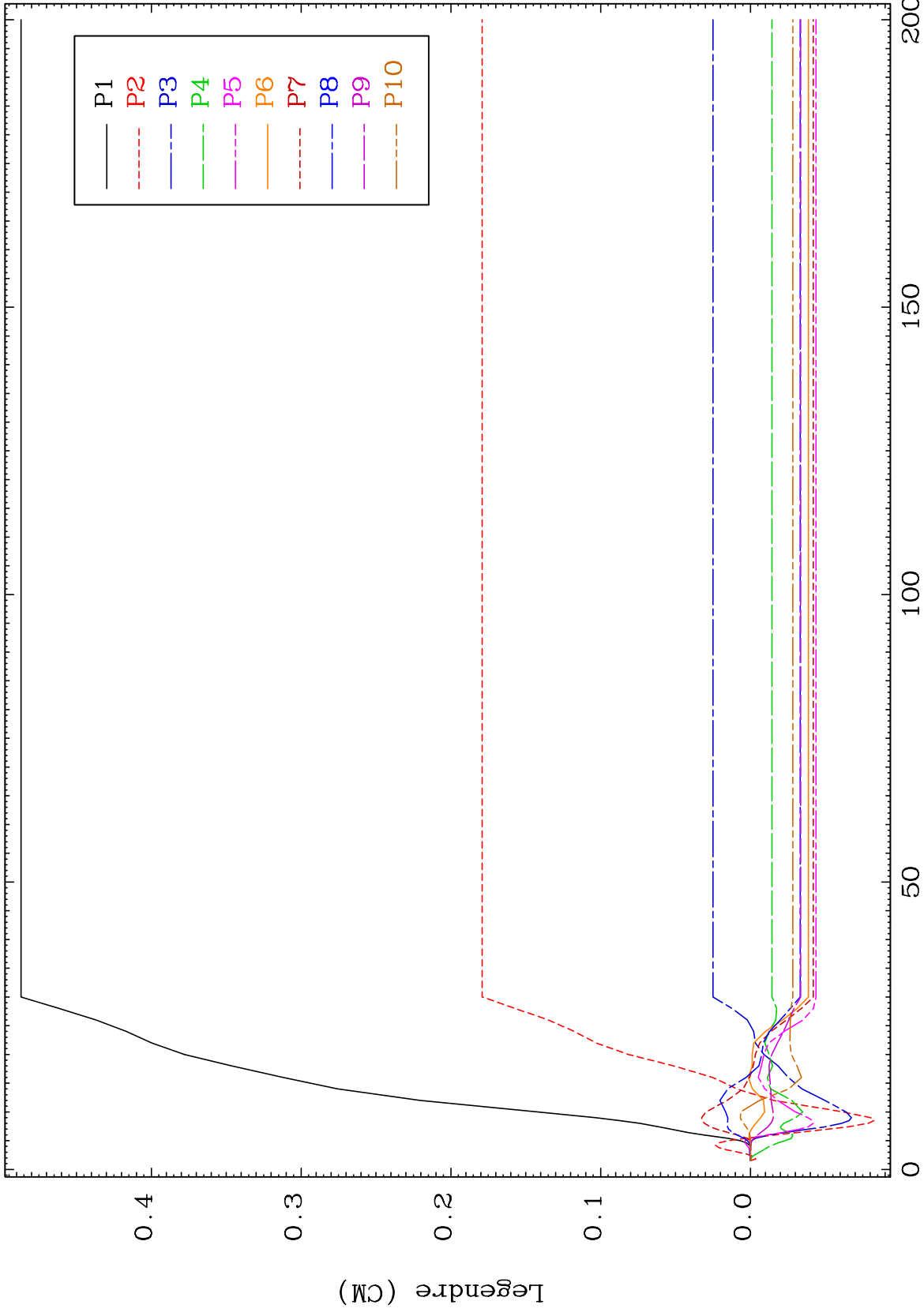
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-T1-199



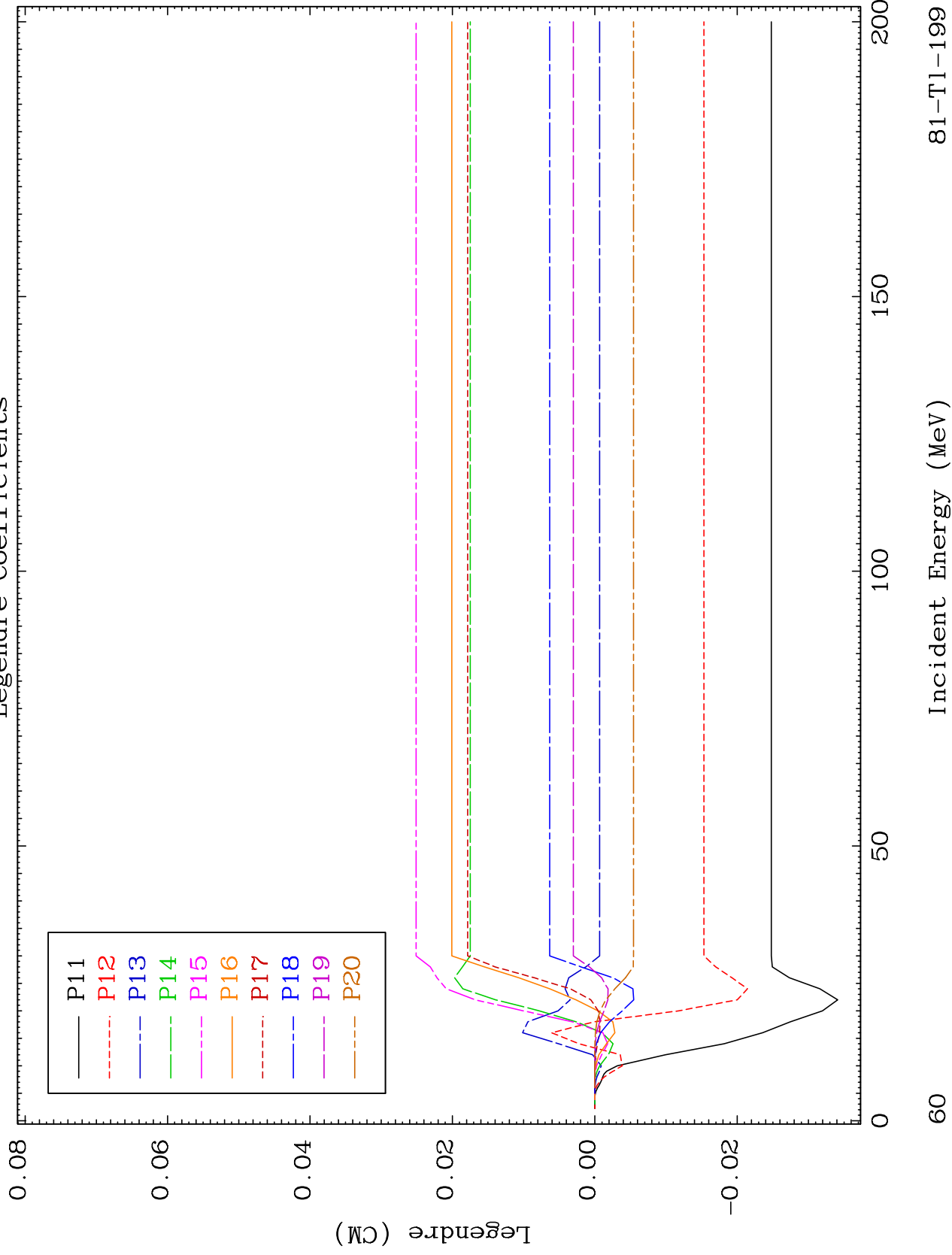
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81-T1-199

MAT 81113

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

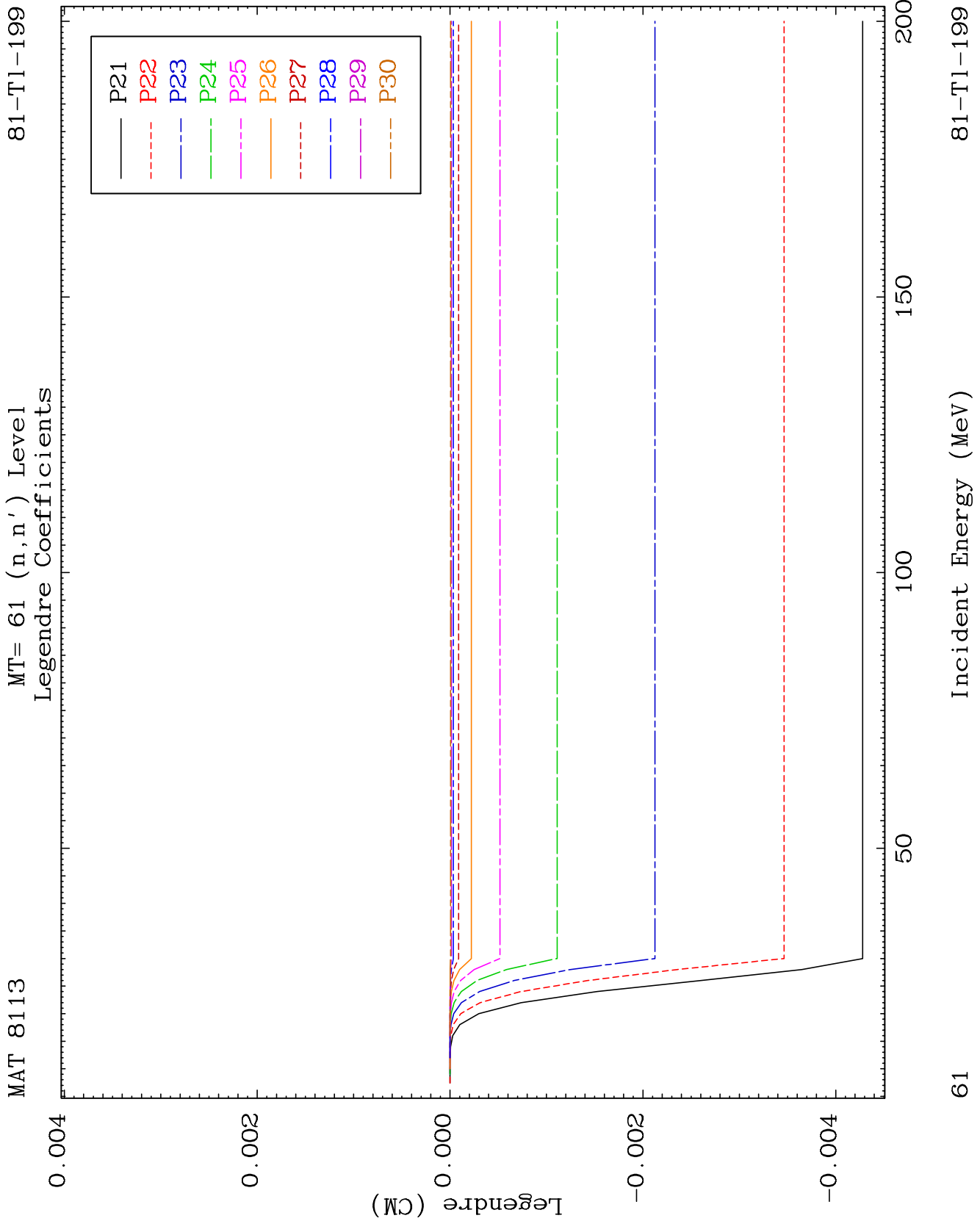
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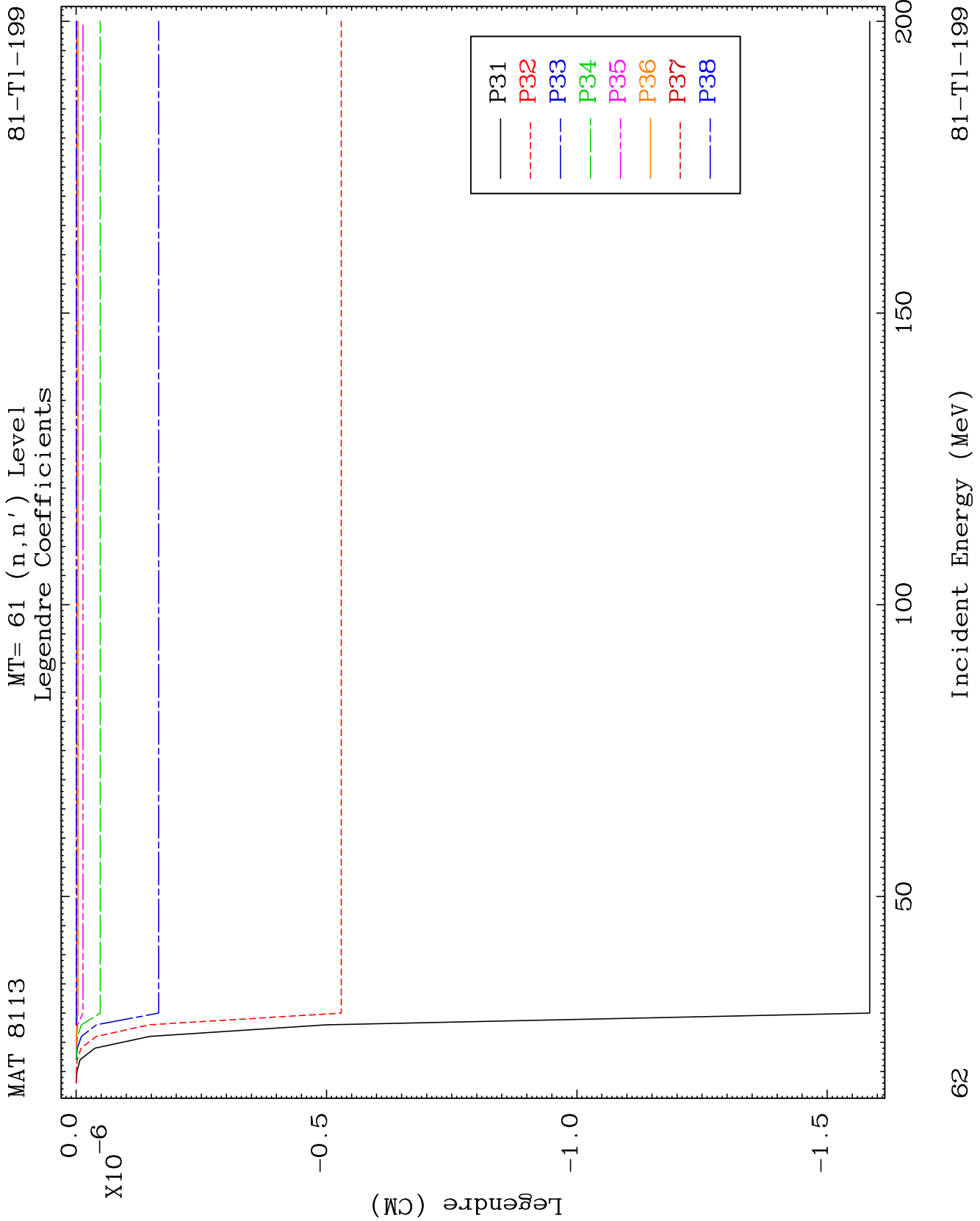


81-T1-199

Incident Energy (MeV)

60

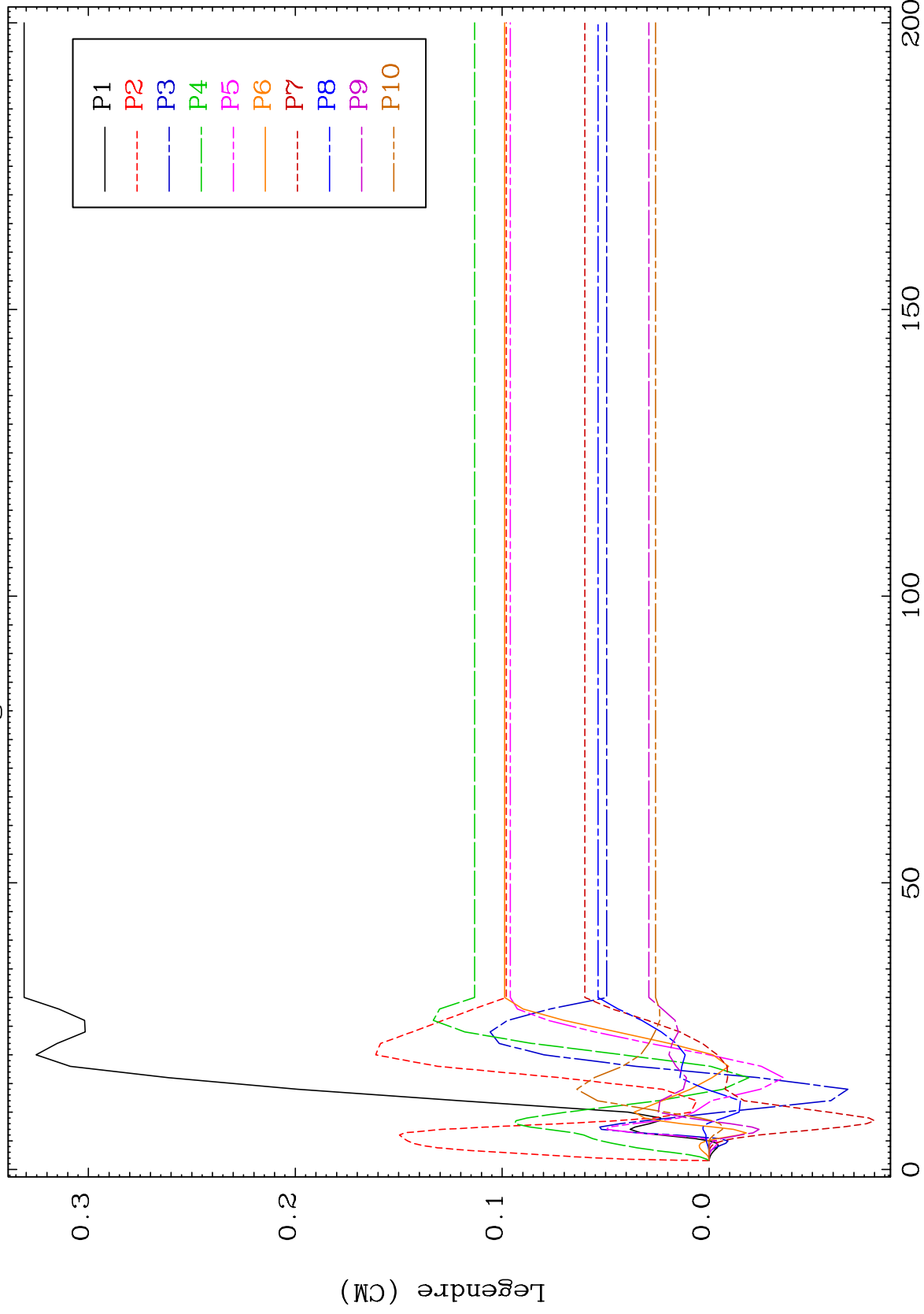




MAT 8113

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

81-Tl-199



63

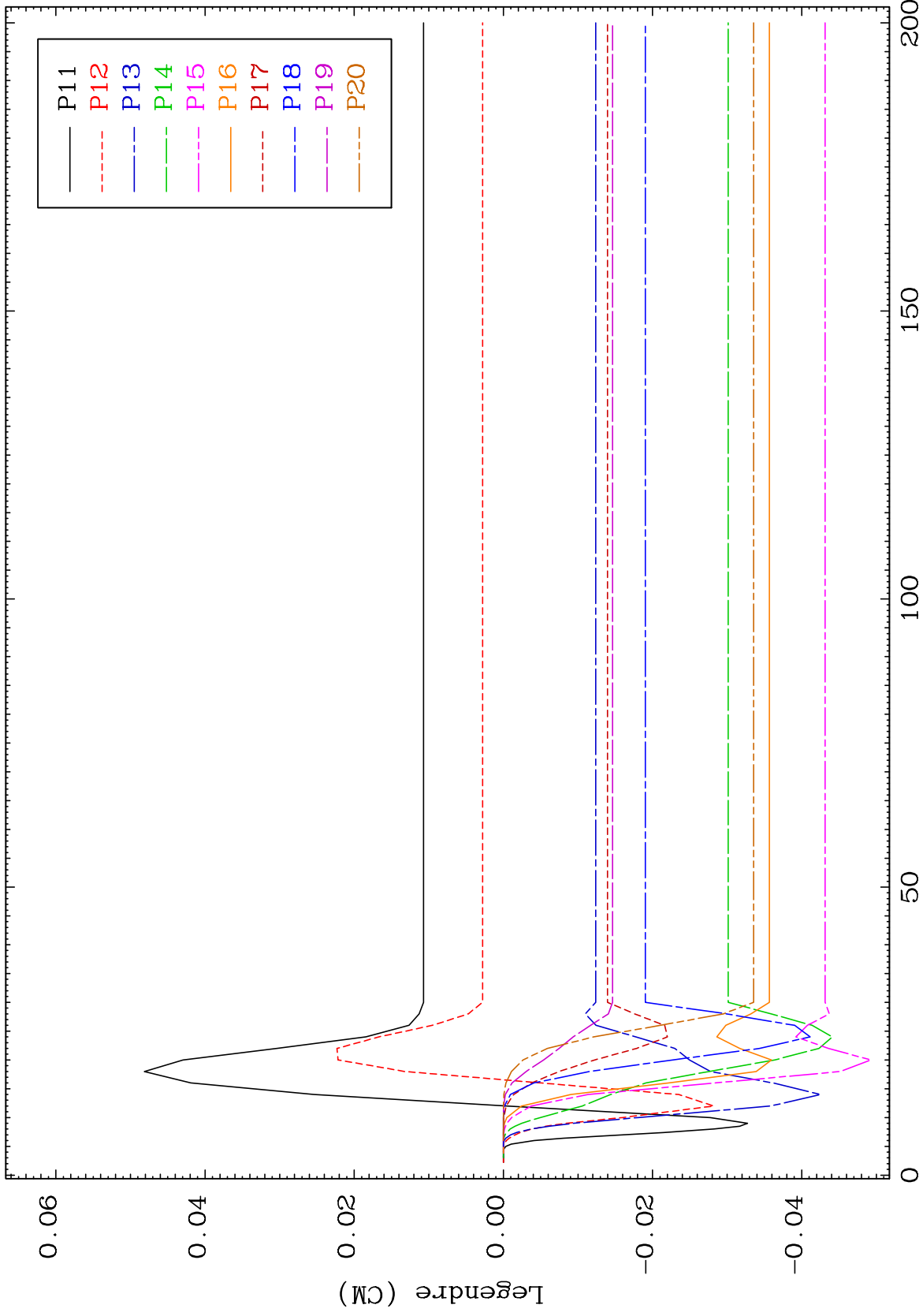
Incident Energy (MeV)

81-Tl-199

MAT 81113

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

81-T1-199



64

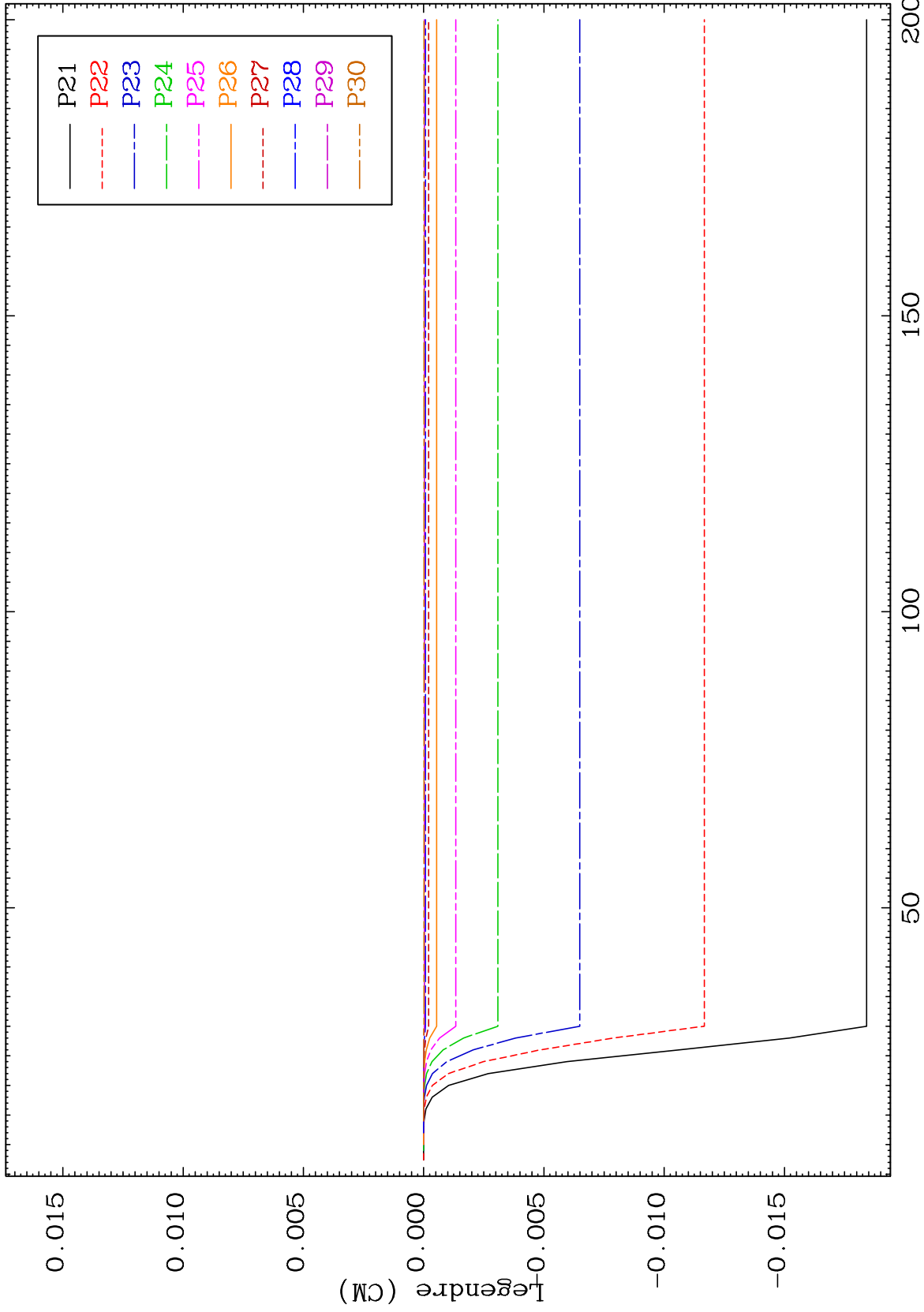
Incident Energy (MeV)

81-T1-199

MAT 81113

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

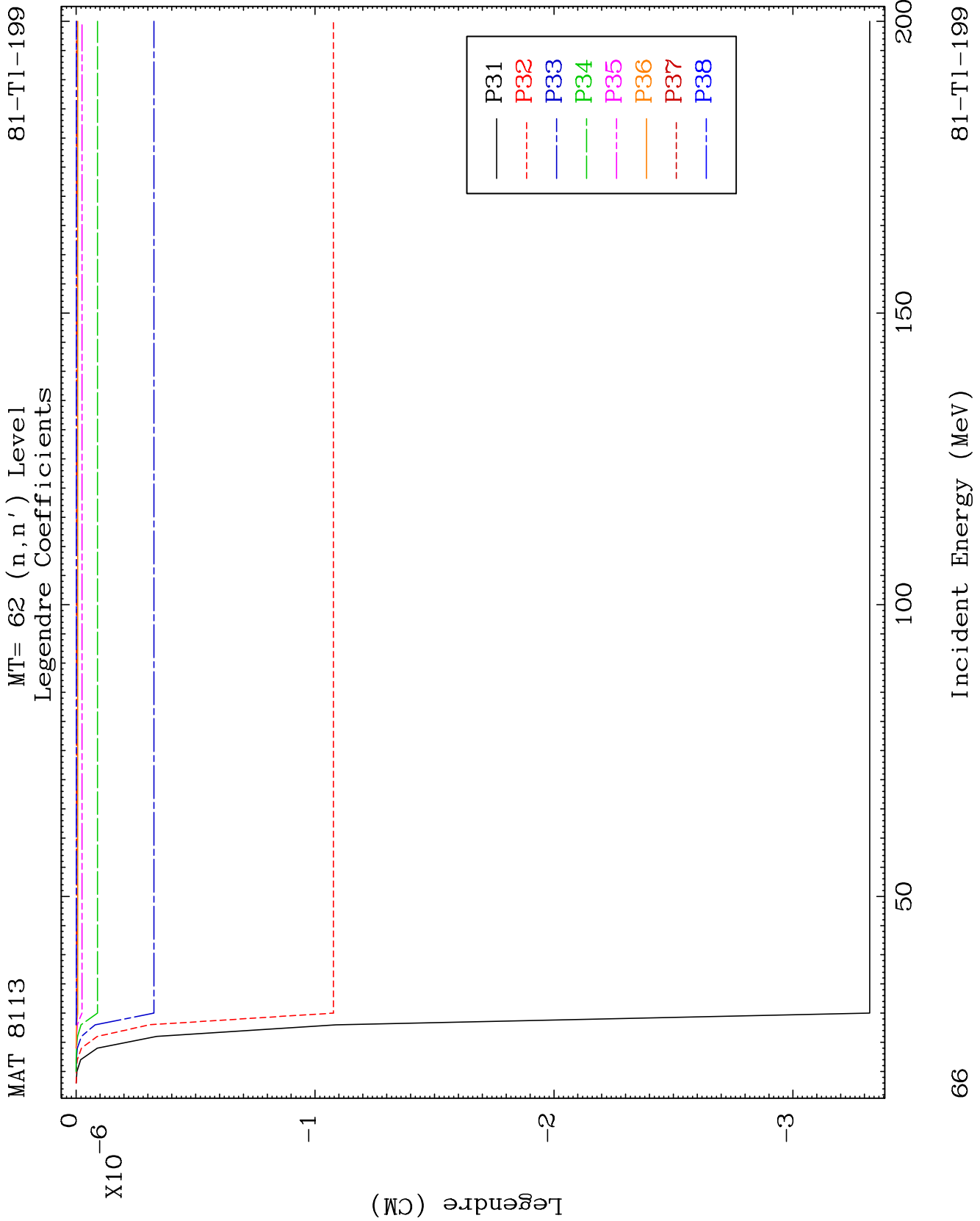
81-T1-199



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Incident Energy (MeV)

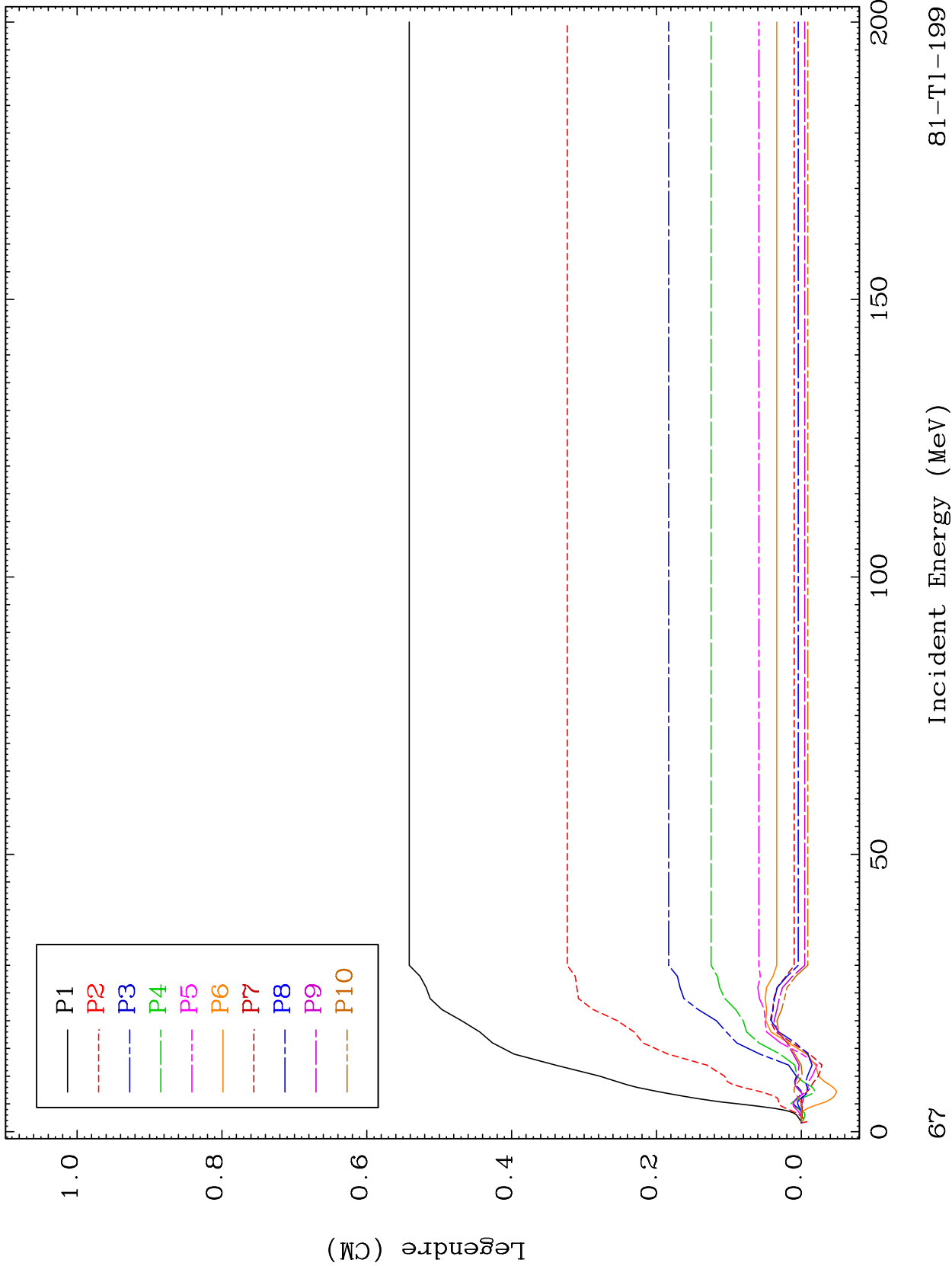
81-T1-199



MAT 81113

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

81-T1-199



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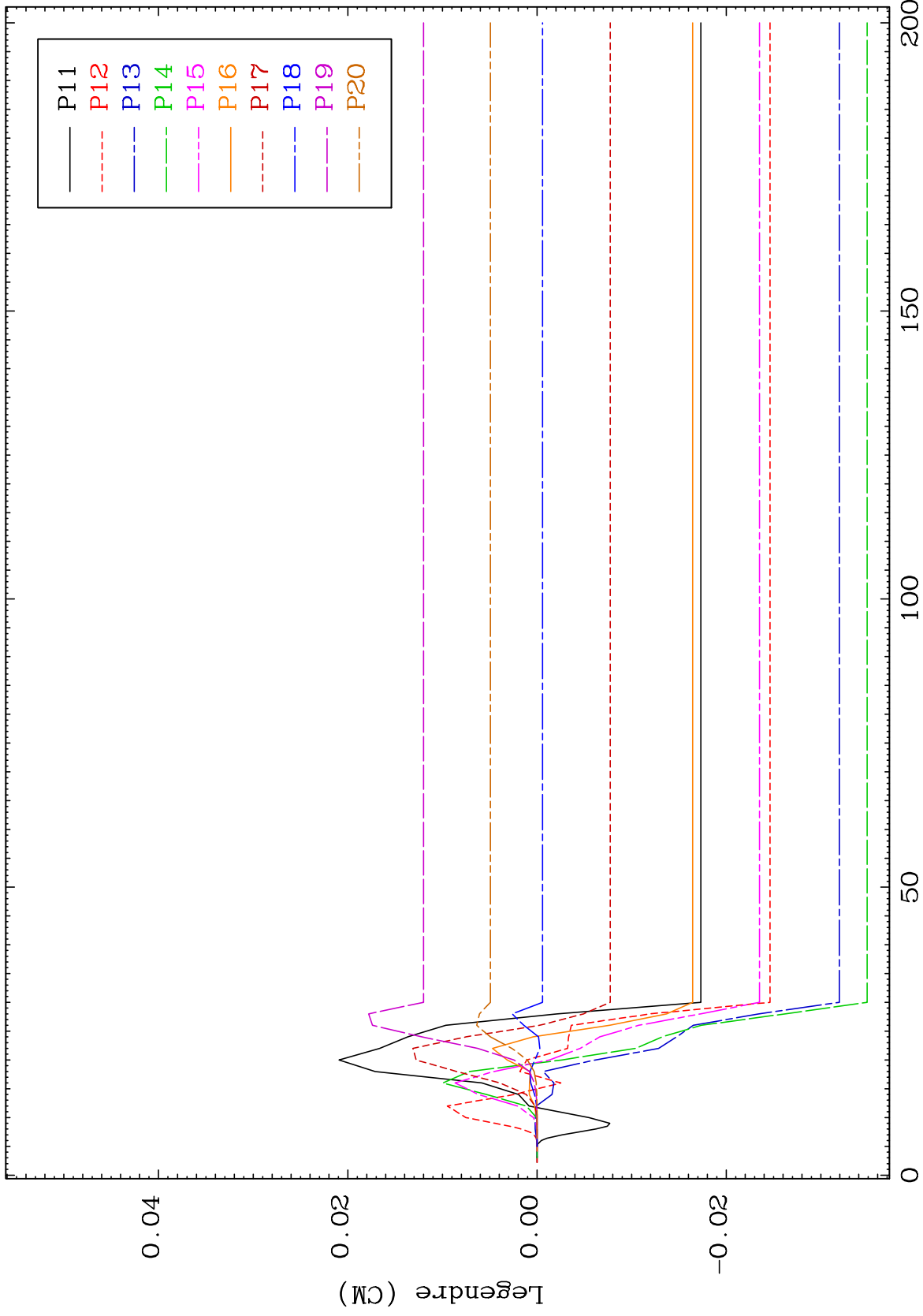
Incident Energy (MeV)

81-T1-199

MAT 81113

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

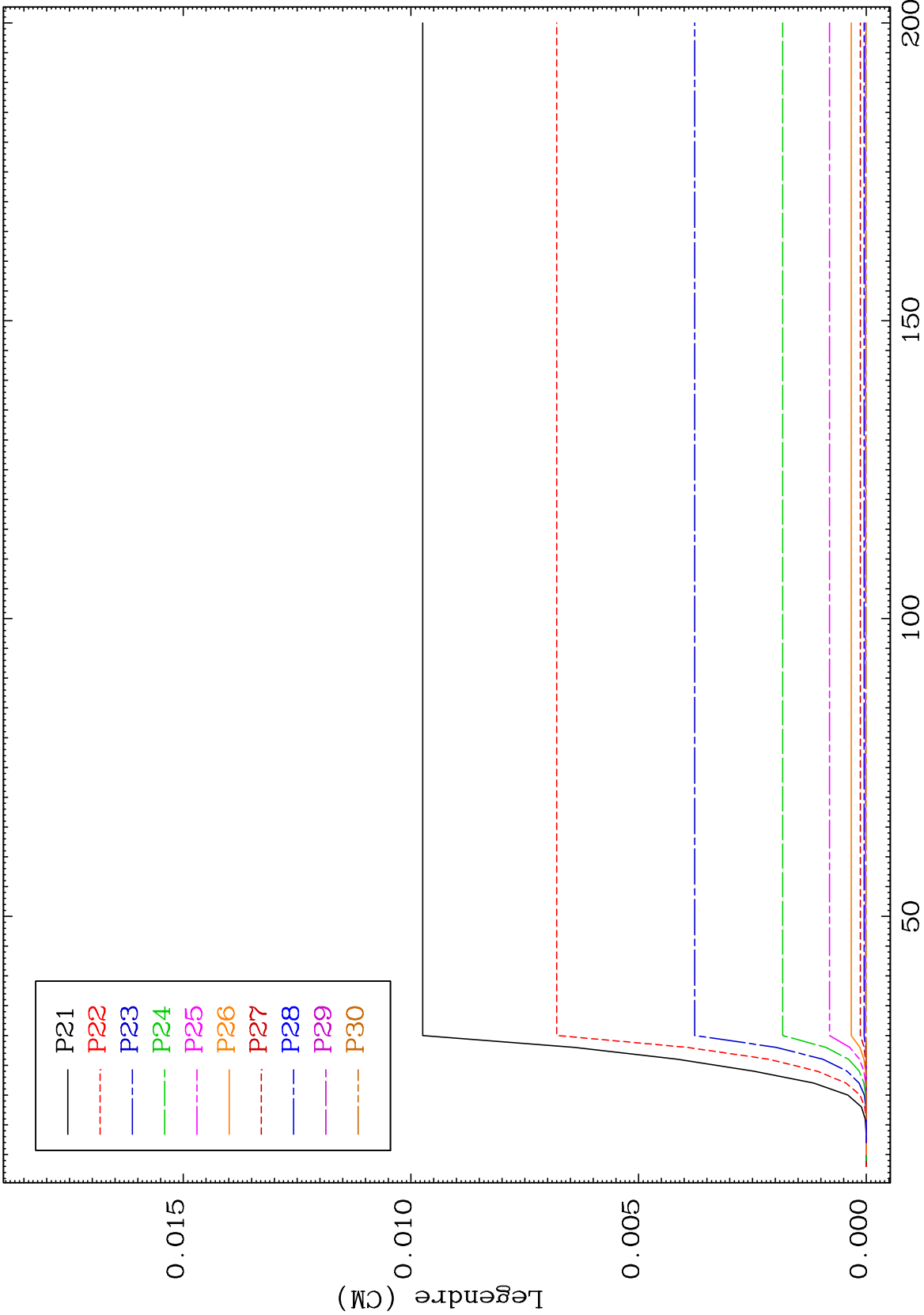
81-T1-199



68

Incident Energy (MeV)

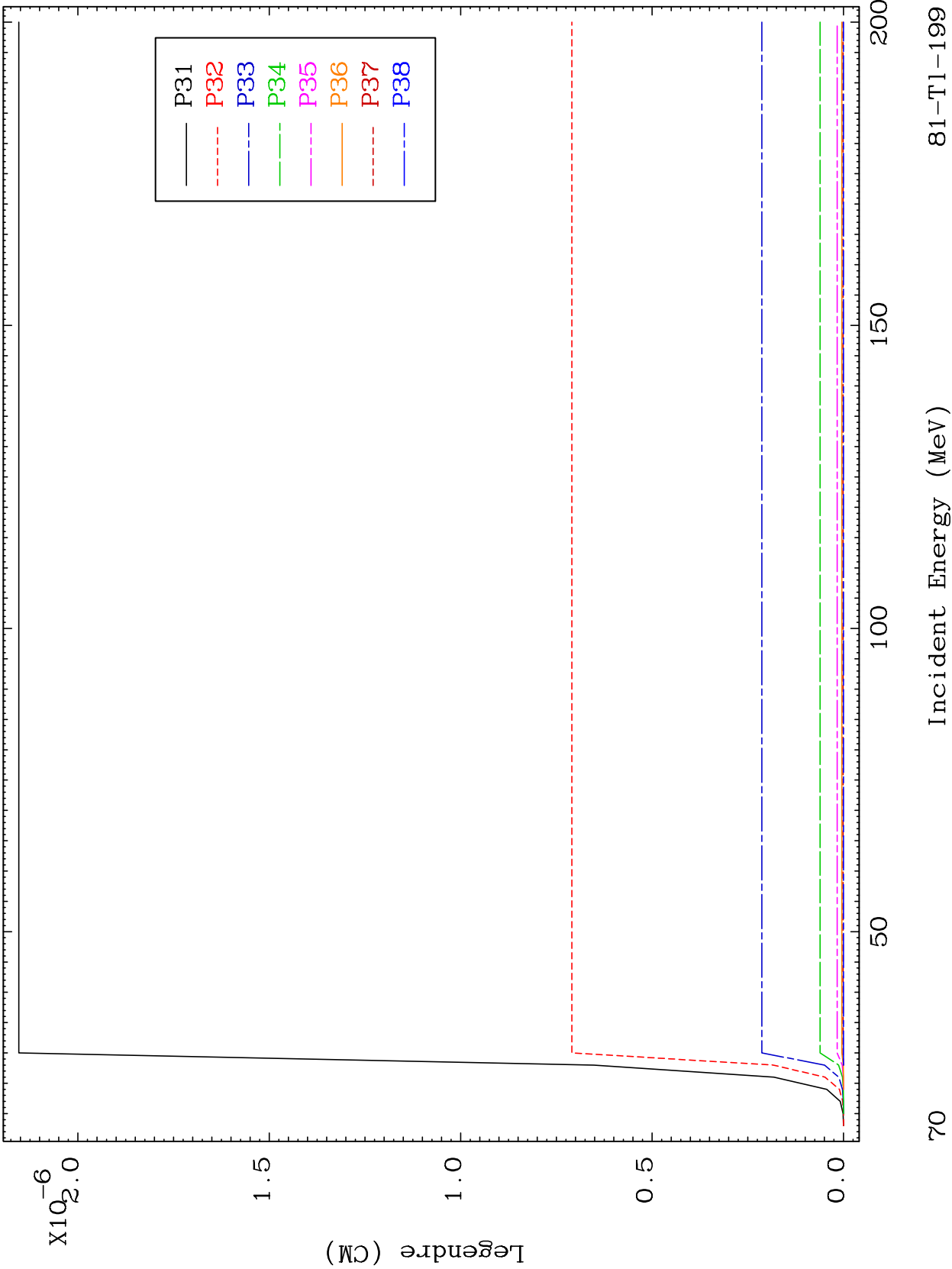
81-T1-199



MAT 8113

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

81-T1-199



81-T1-199

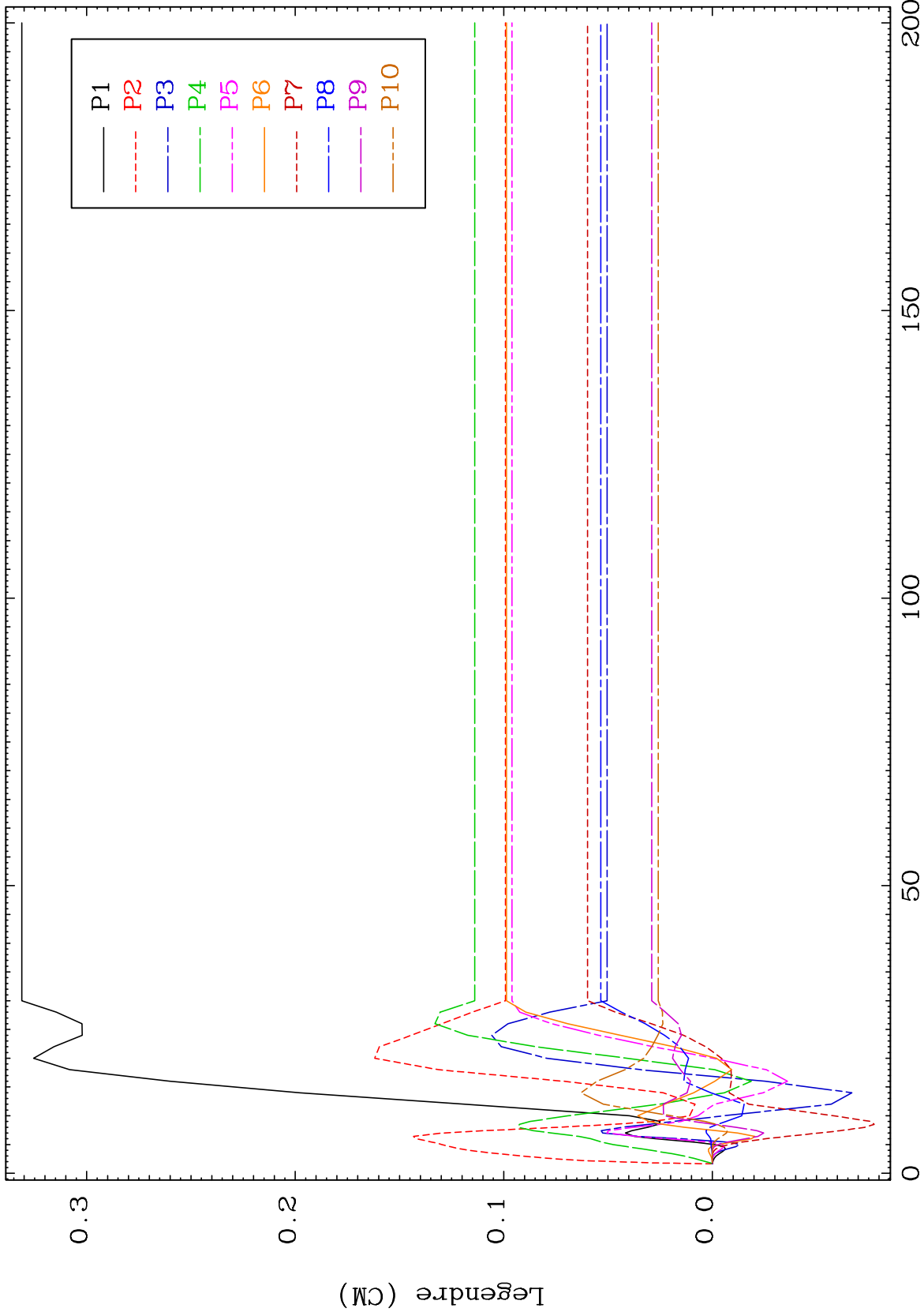
Incident Energy (MeV)

70

MAT 81113

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

81-T1-199



71

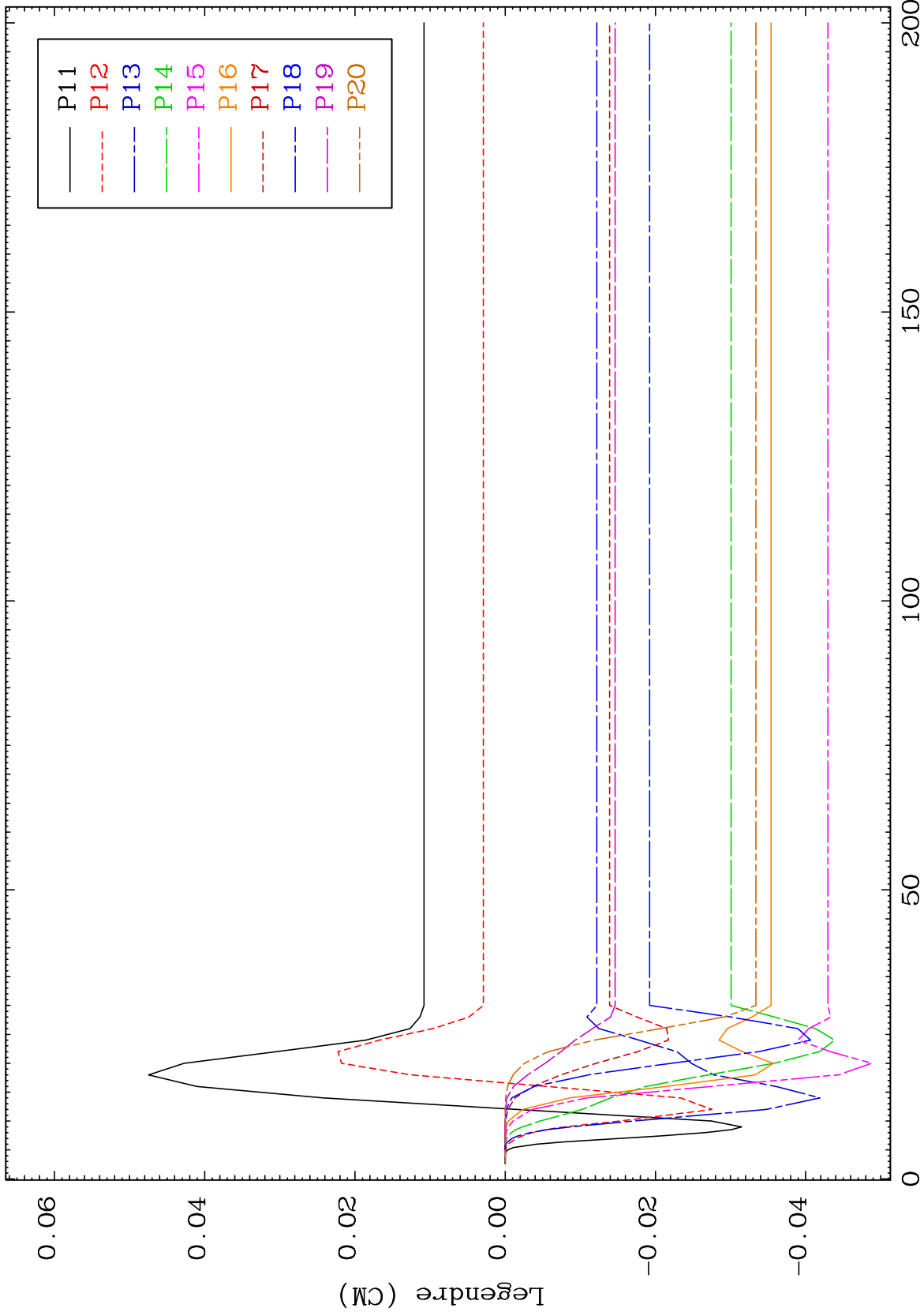
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



72

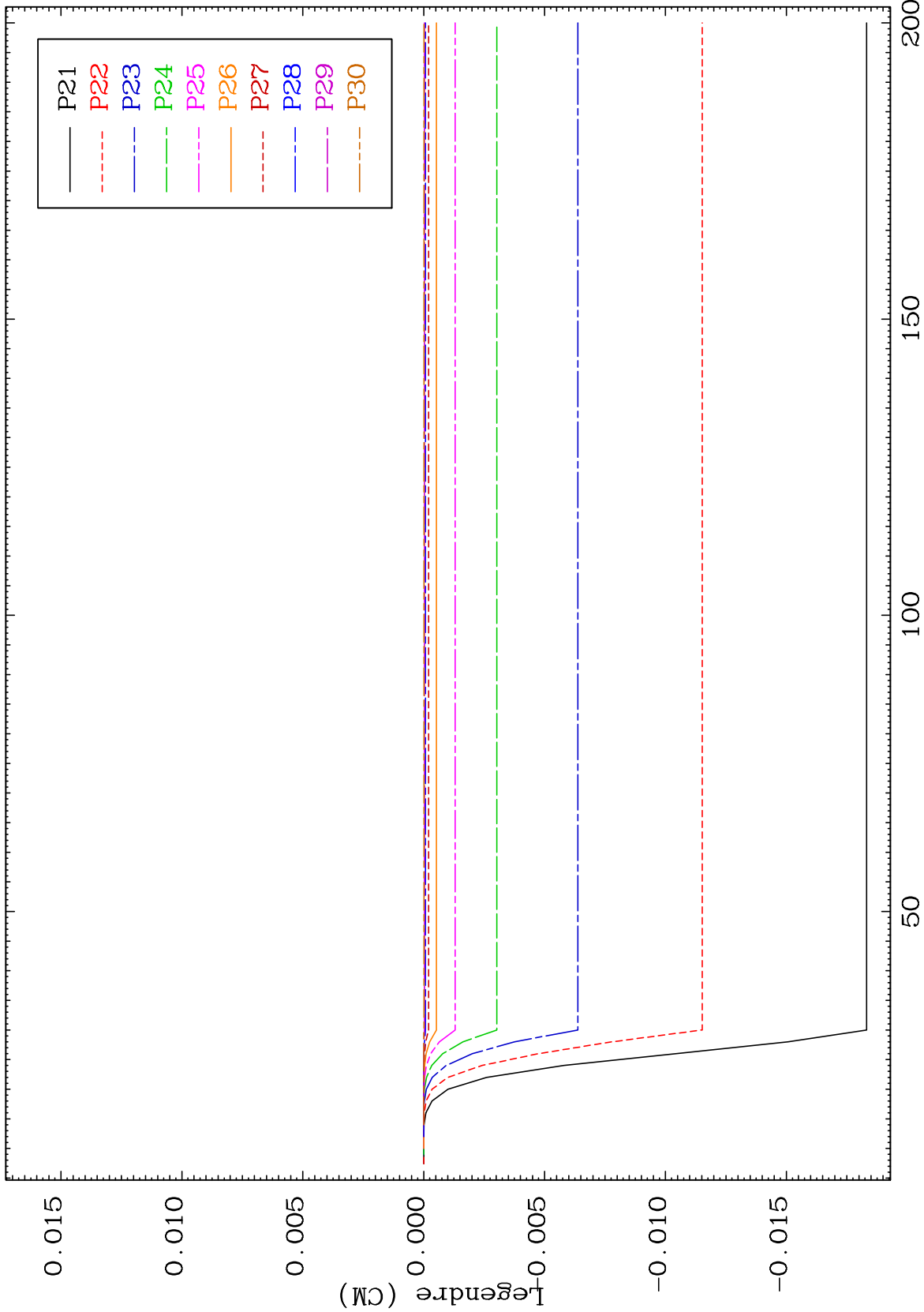
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



73

Incident Energy (MeV)

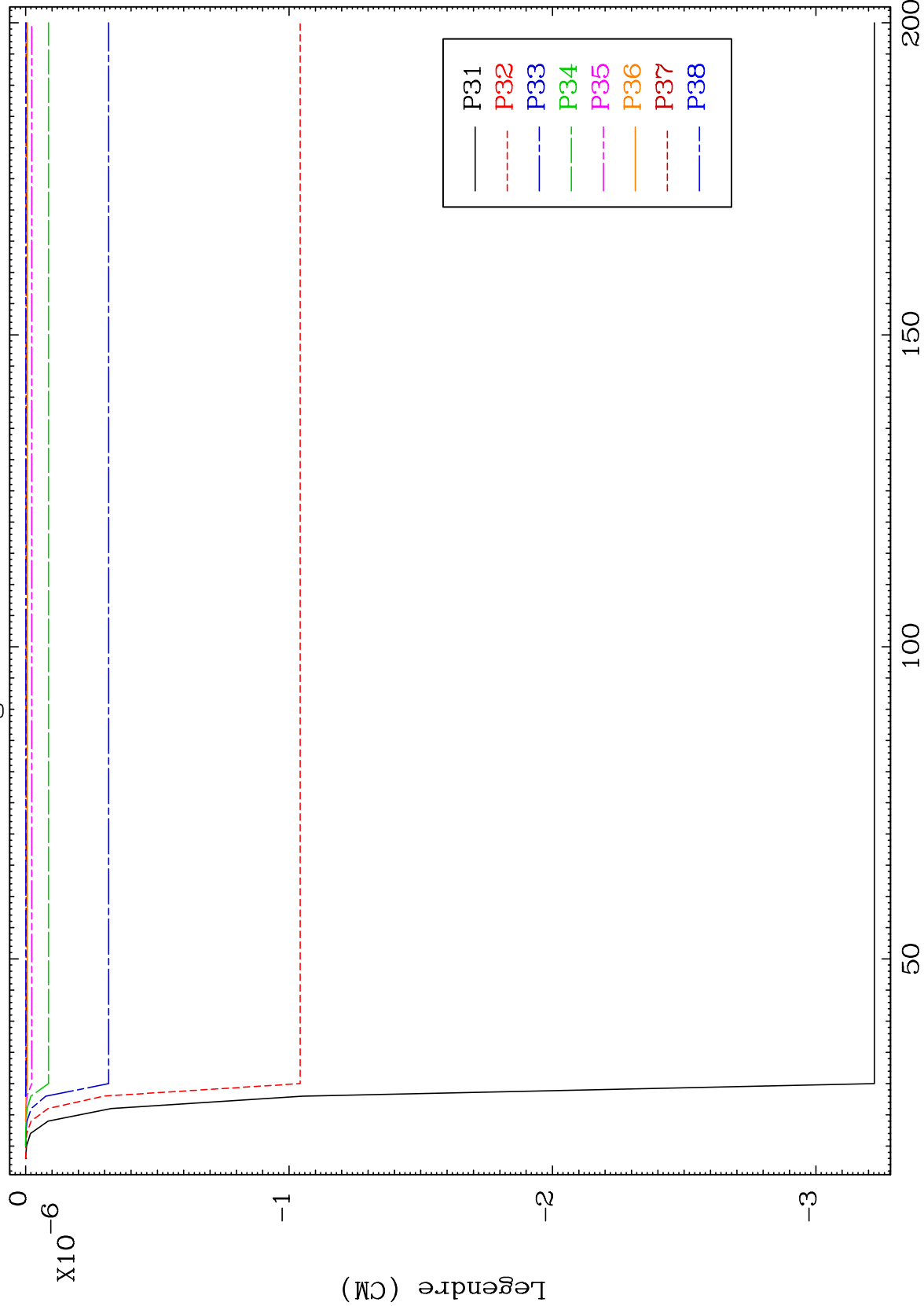
81-T1-199

MAT 8113

MT= 64 (n,n') Level

81-T1-199

Legendre Coefficients



74

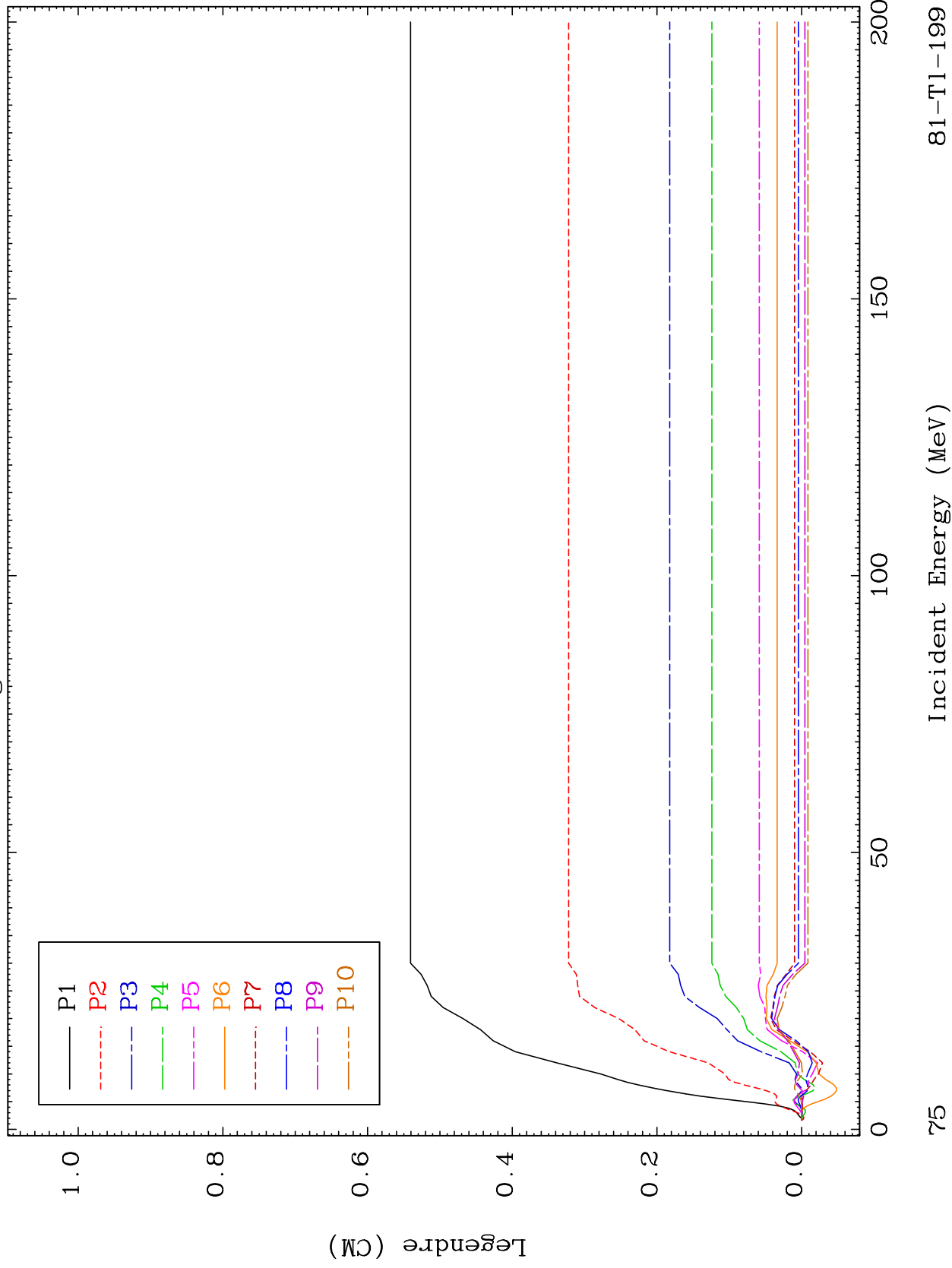
Incident Energy (MeV)

81-T1-199

MAT 81113

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

81-T1-199



81-T1-199

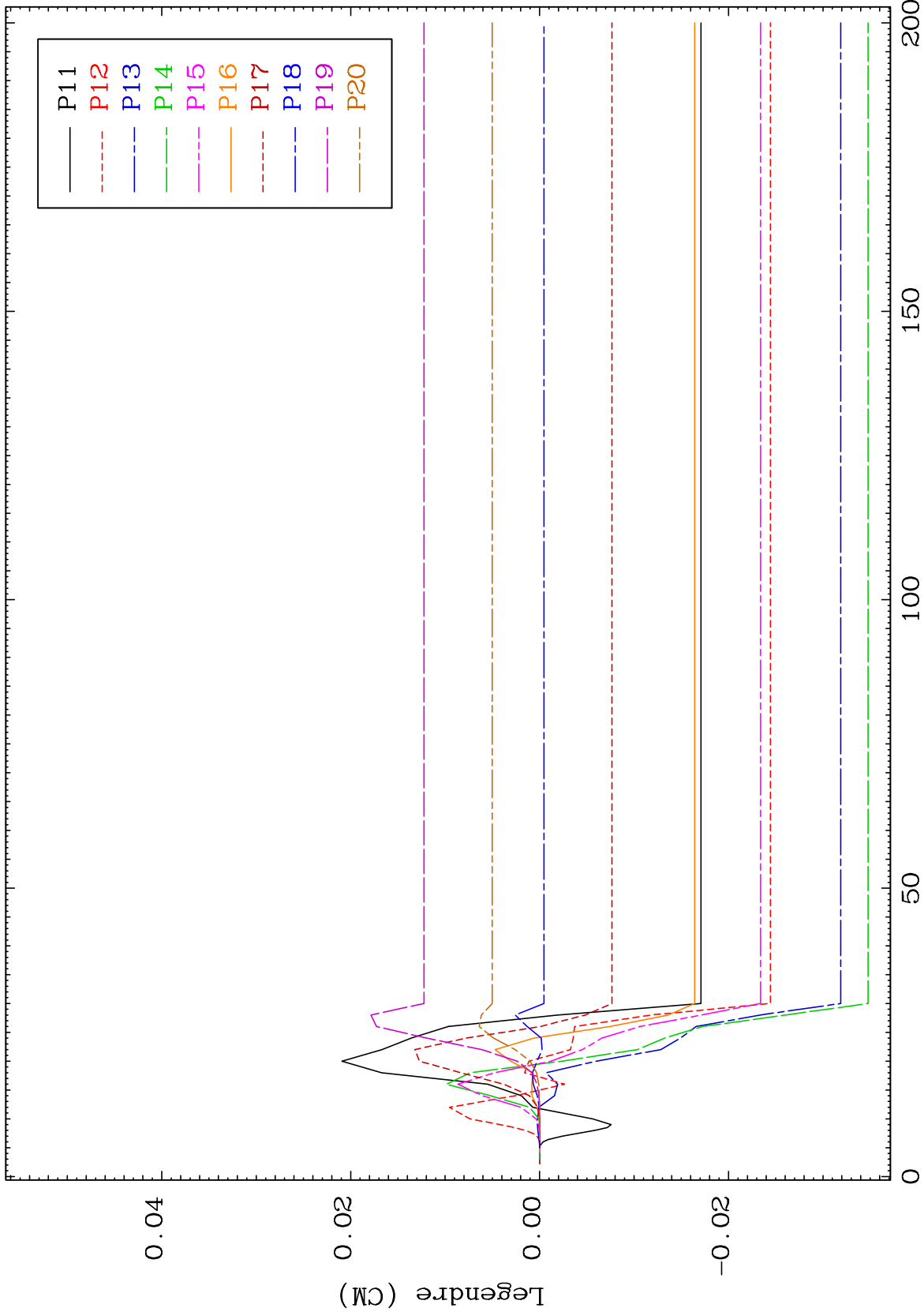
Incident Energy (MeV)

75

MAT 81113

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

81-T1-199



76

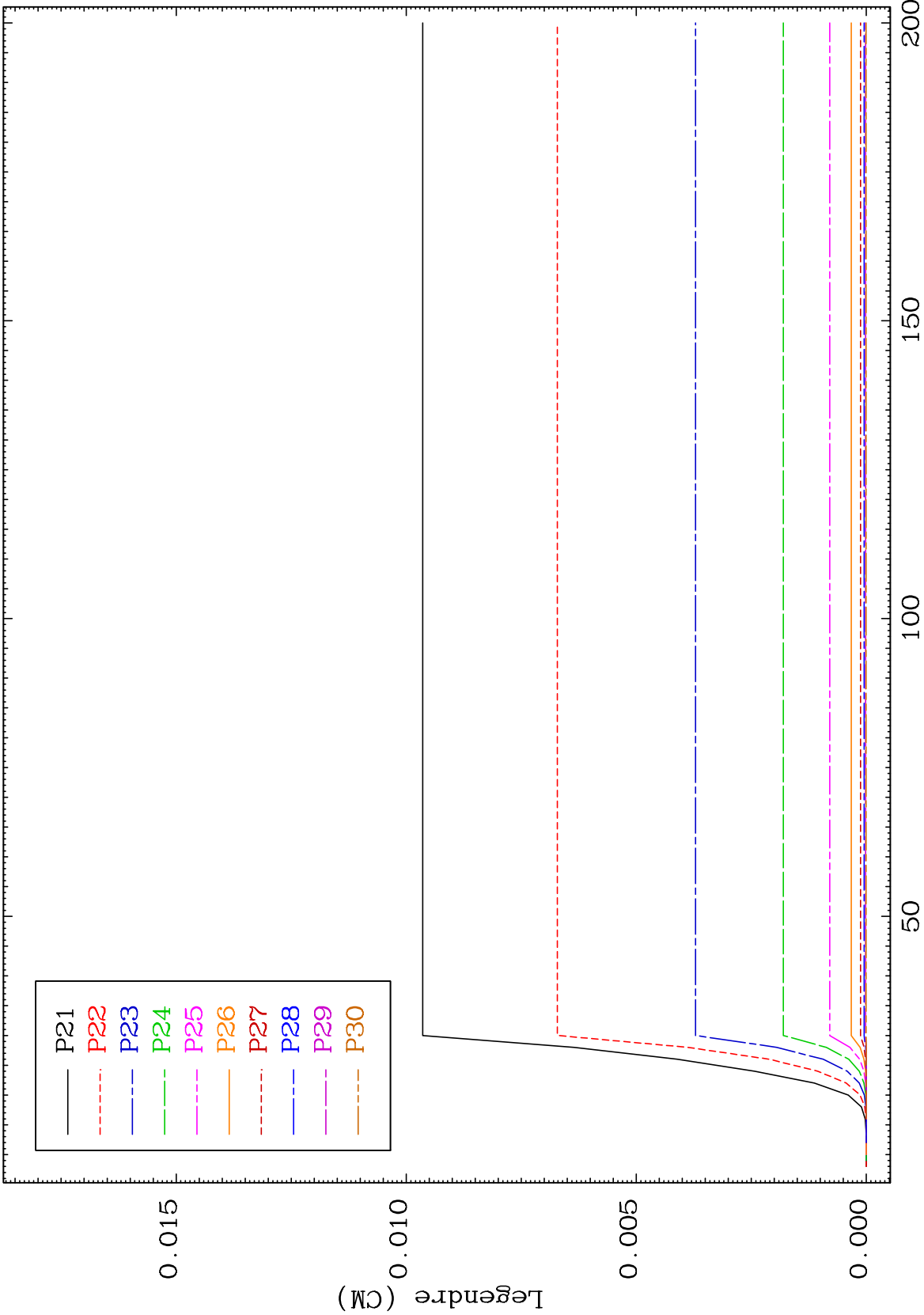
Incident Energy (MeV)

81-T1-199

MAT 8113

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

81-T1-199



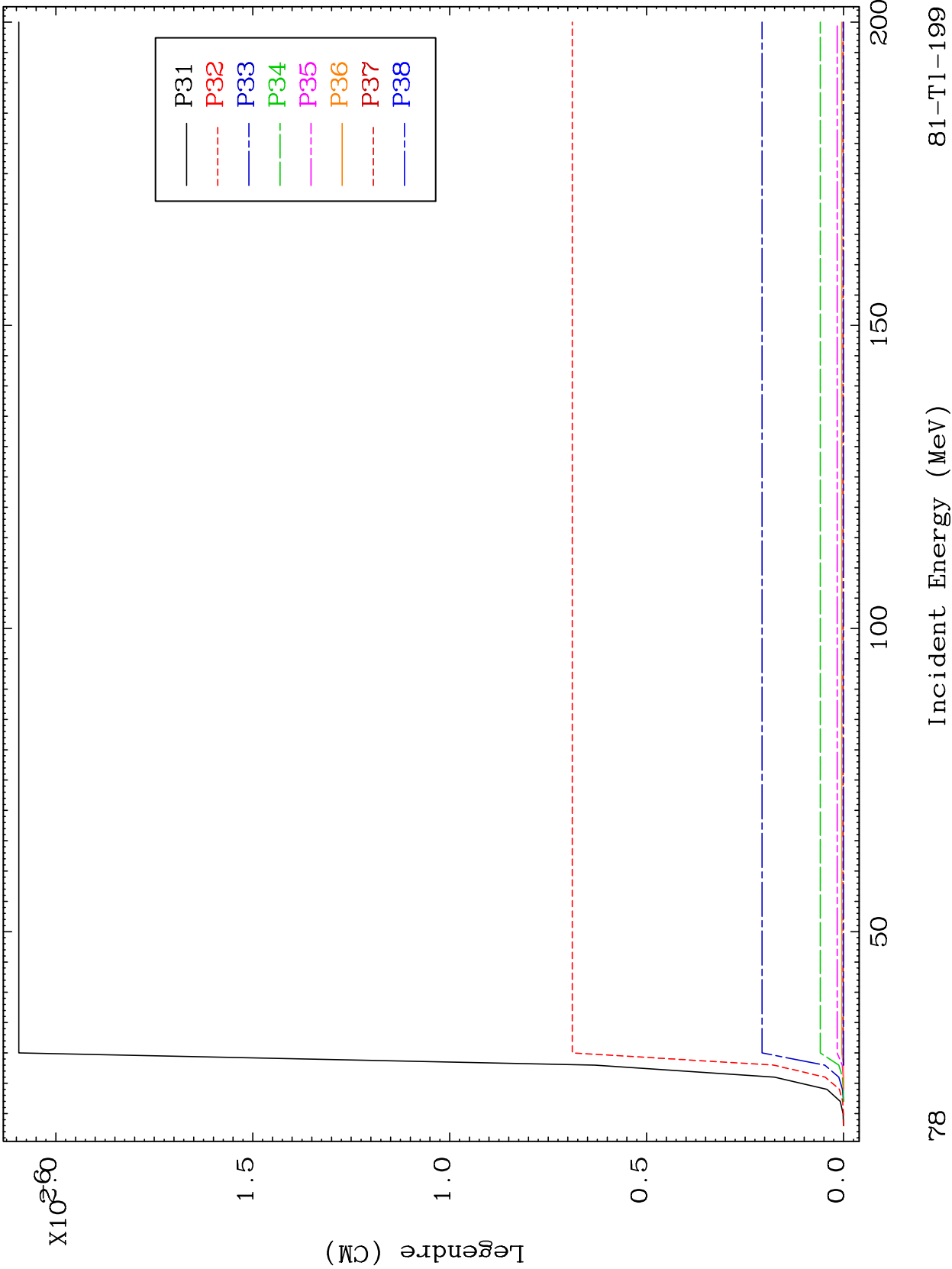
77

81-T1-199

MAT 8113

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

81-T1-199



78

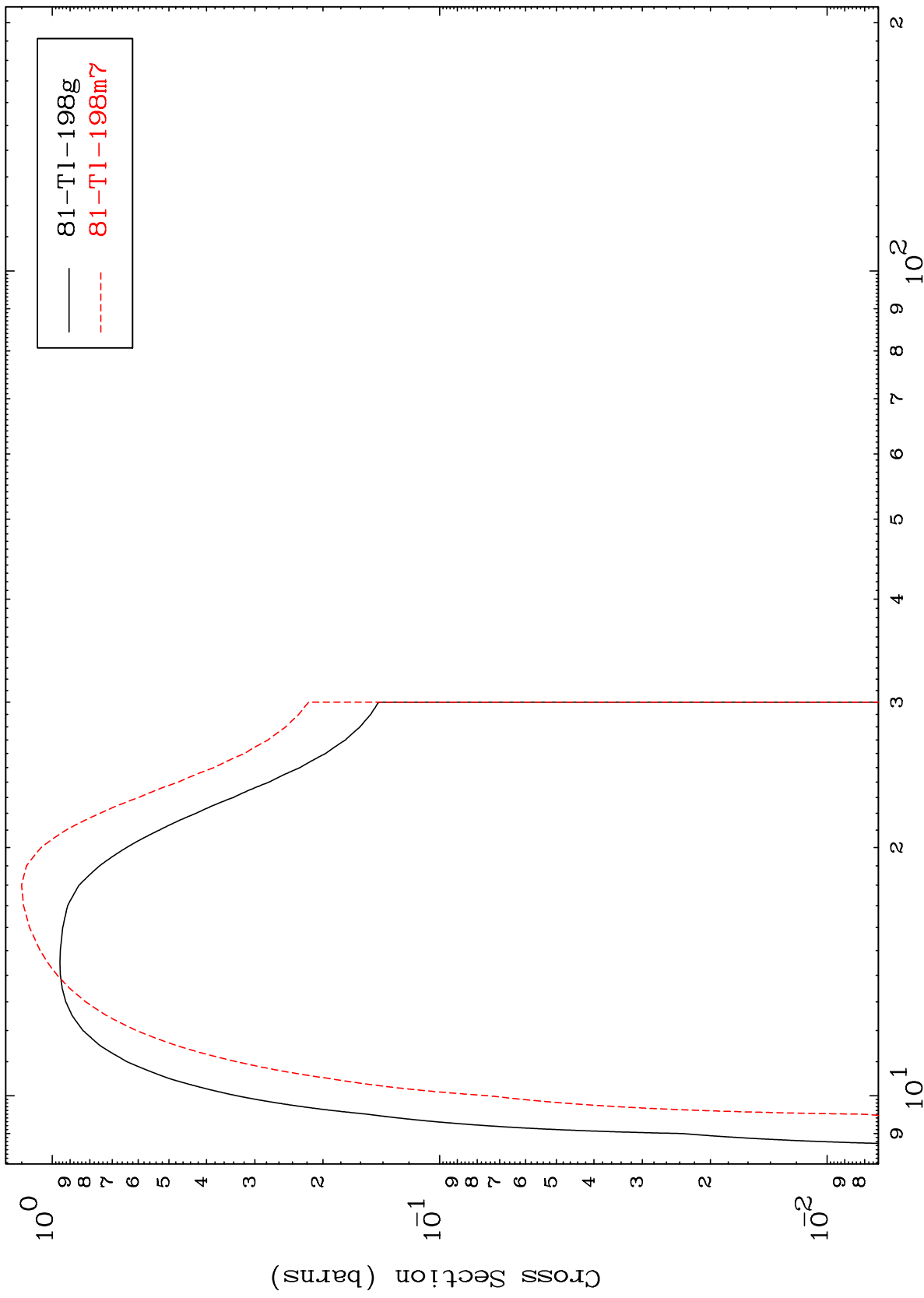
Incident Energy (MeV)

81-T1-199

MAT 81113

81-Tl-199

(n,2n)
Radionuclide Production Cross Section

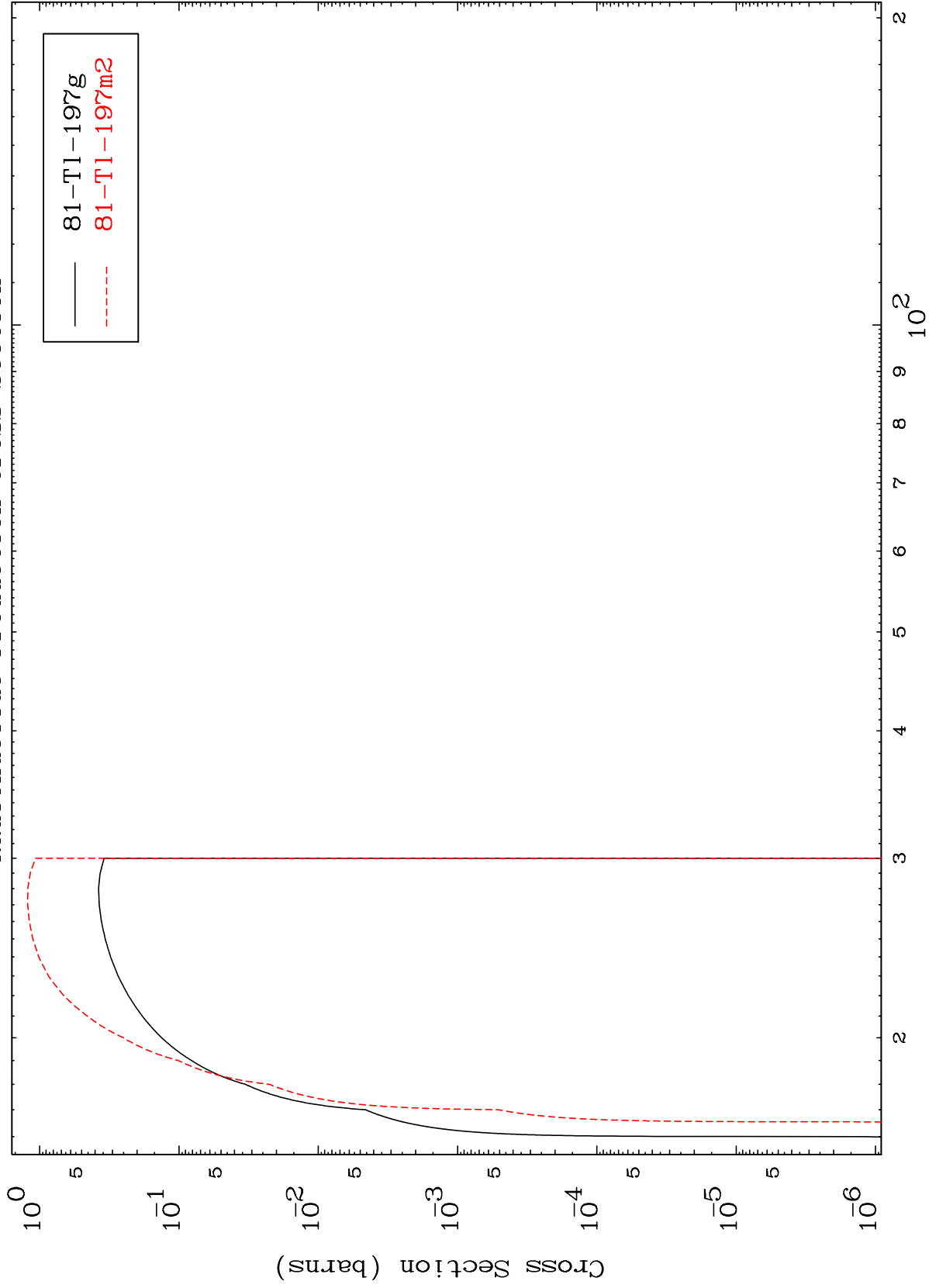


79

Incident Energy (MeV)

81-Tl-199

Radionuclide Production Cross Section

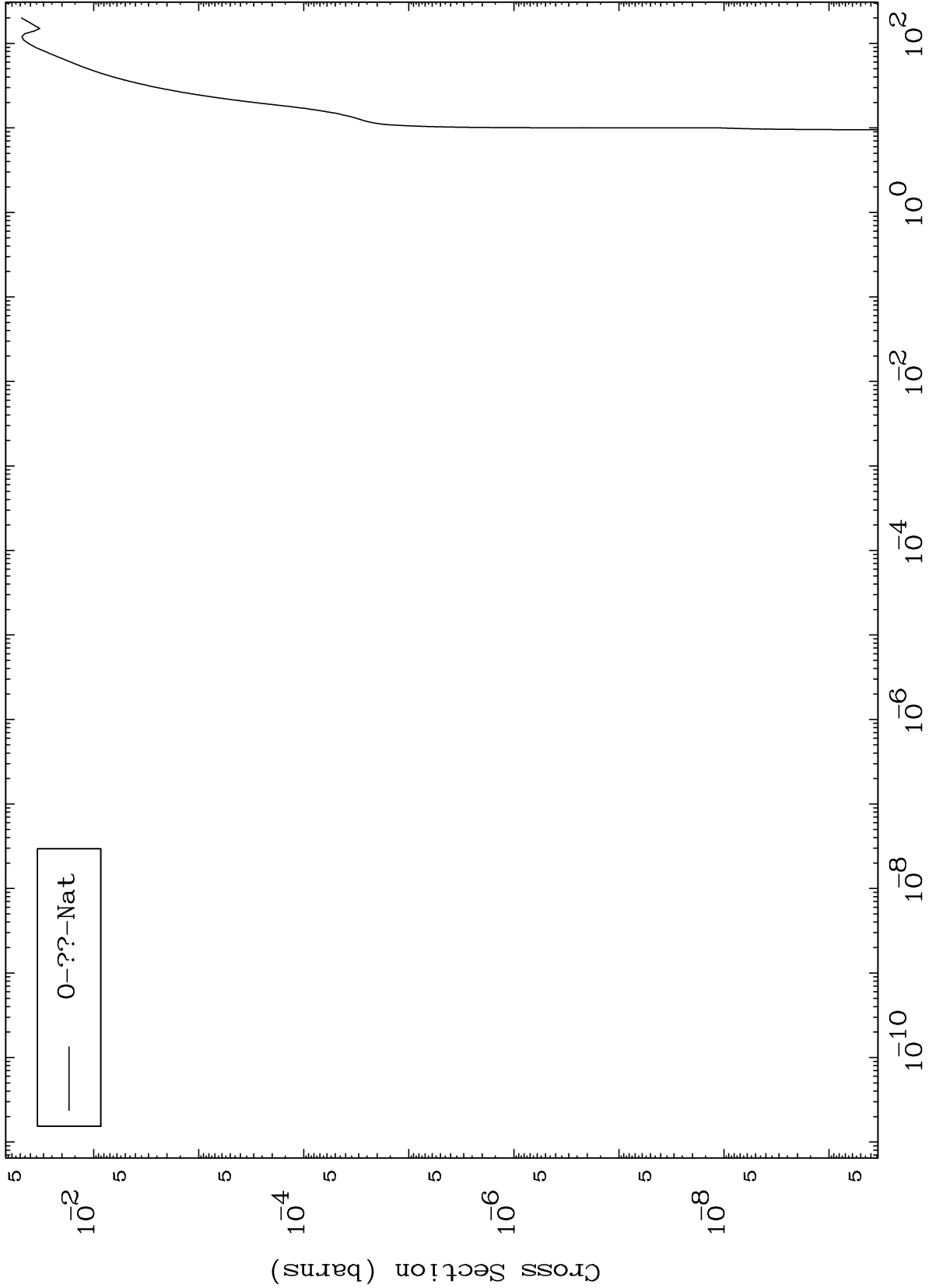


MAT 81113

Fission

81-Tl-199

Radionuclide Production Cross Section



81

Incident Energy (MeV)

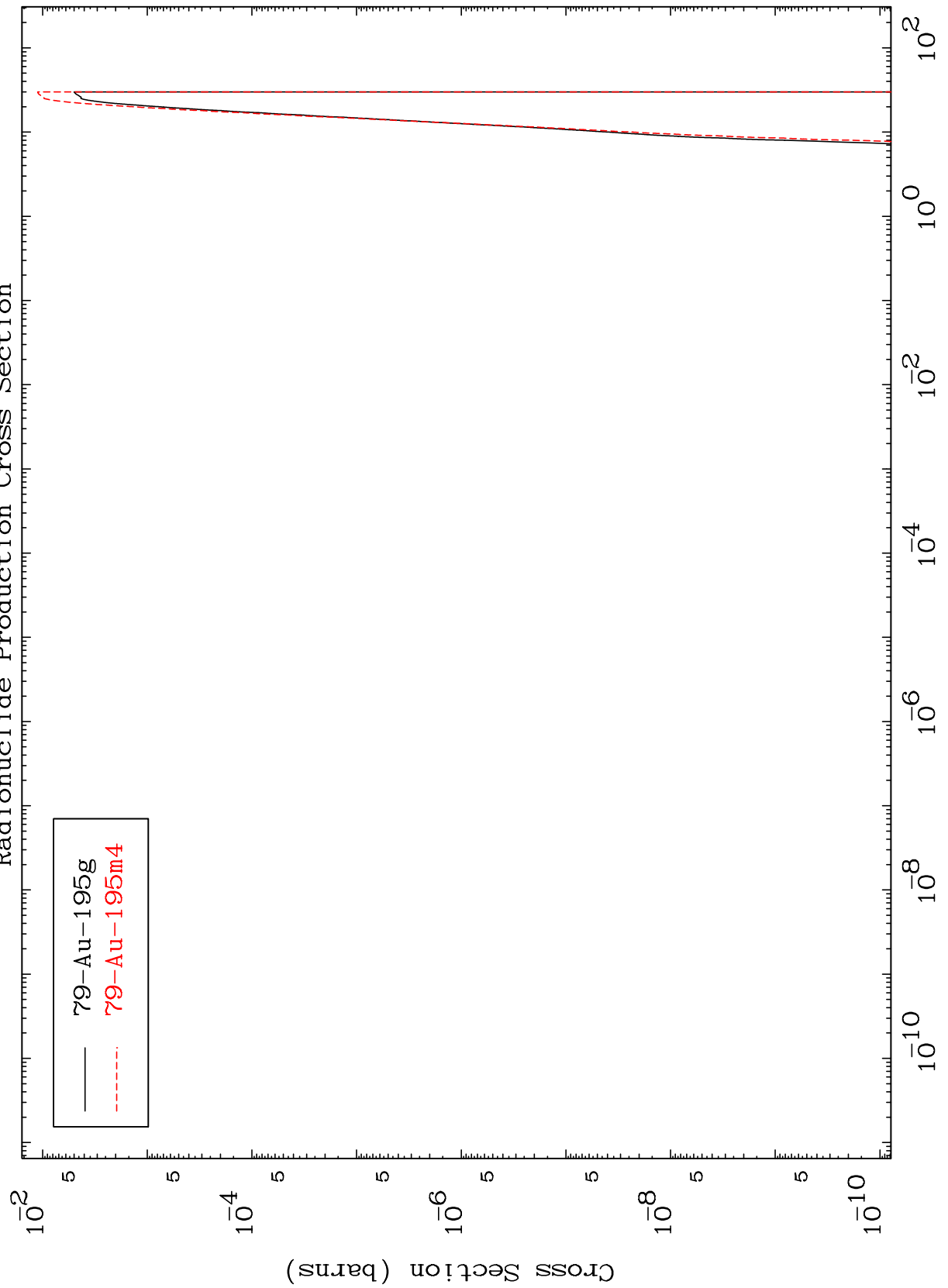
81-Tl-199

MAT 8113

$(n, n') \alpha$

81-Tl-199

Radionuclide Production Cross Section



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

82

Incident Energy (MeV)

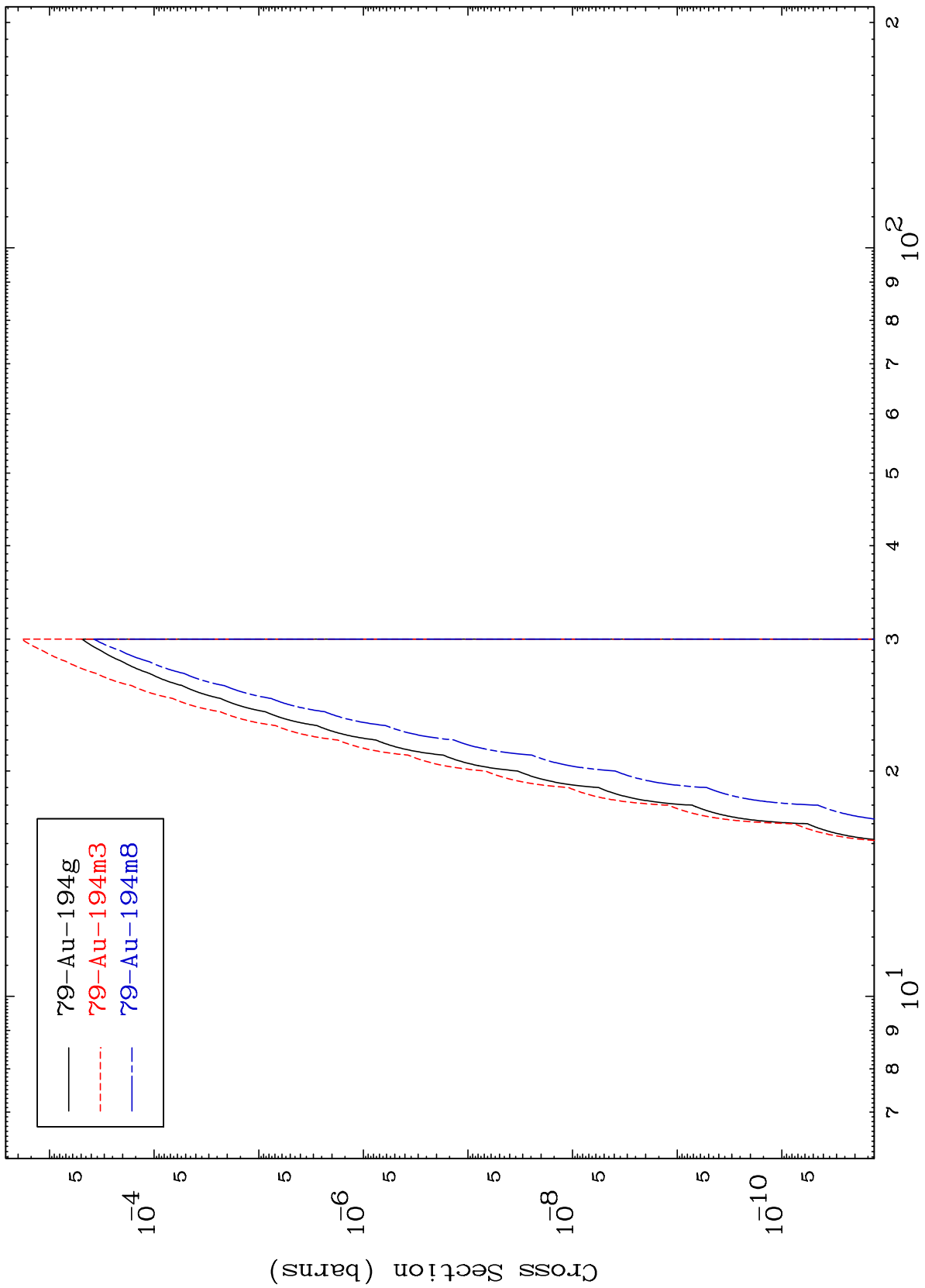
81-Tl-199

MAT 8113

81-Tl-199

(n,2n) α

Radionuclide Production Cross Section



83

Incident Energy (MeV)

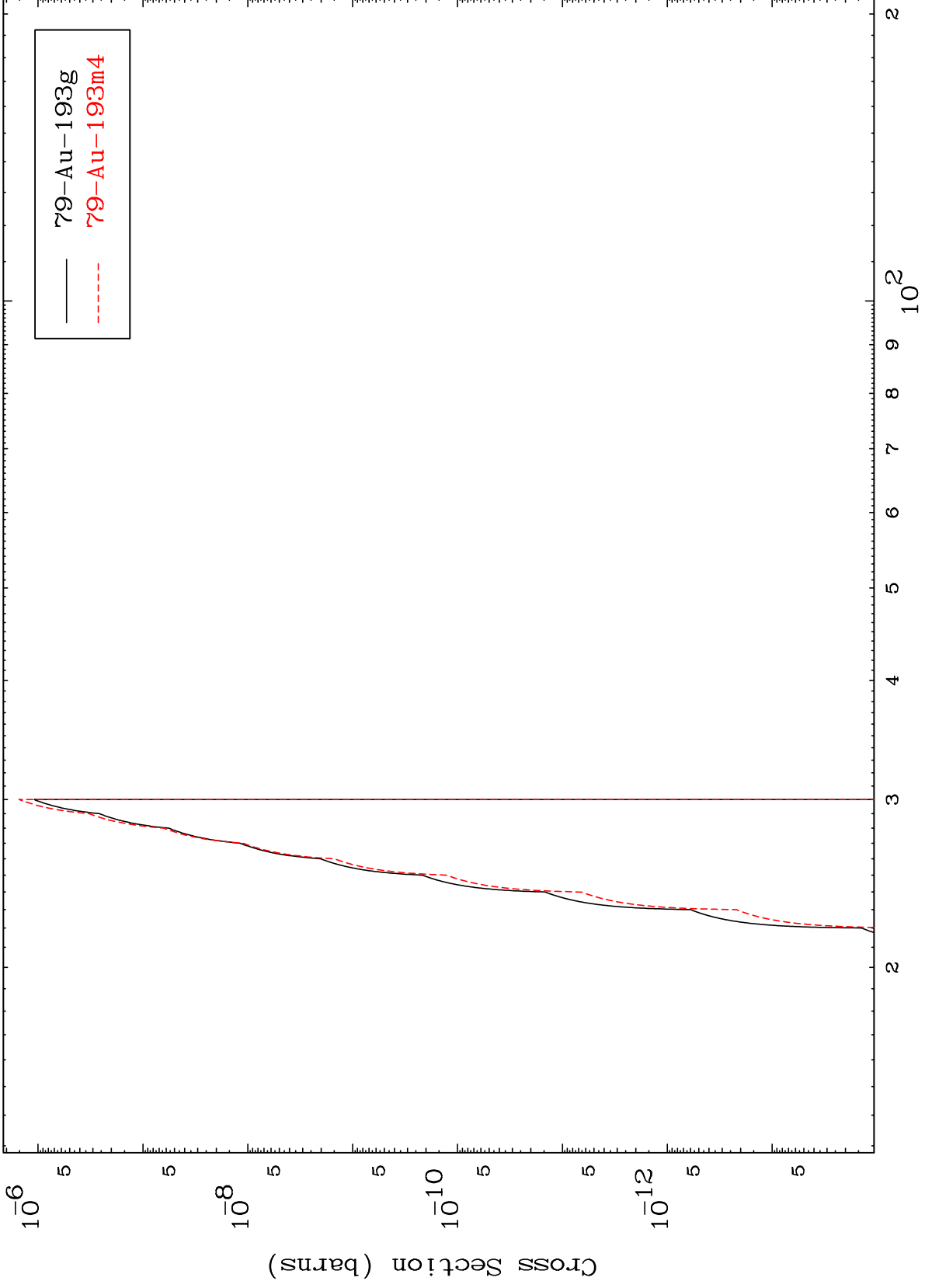
81-Tl-199

MAT 81113

(n,3n) α

81-Tl-199

Radionuclide Production Cross Section



84

Incident Energy (MeV)

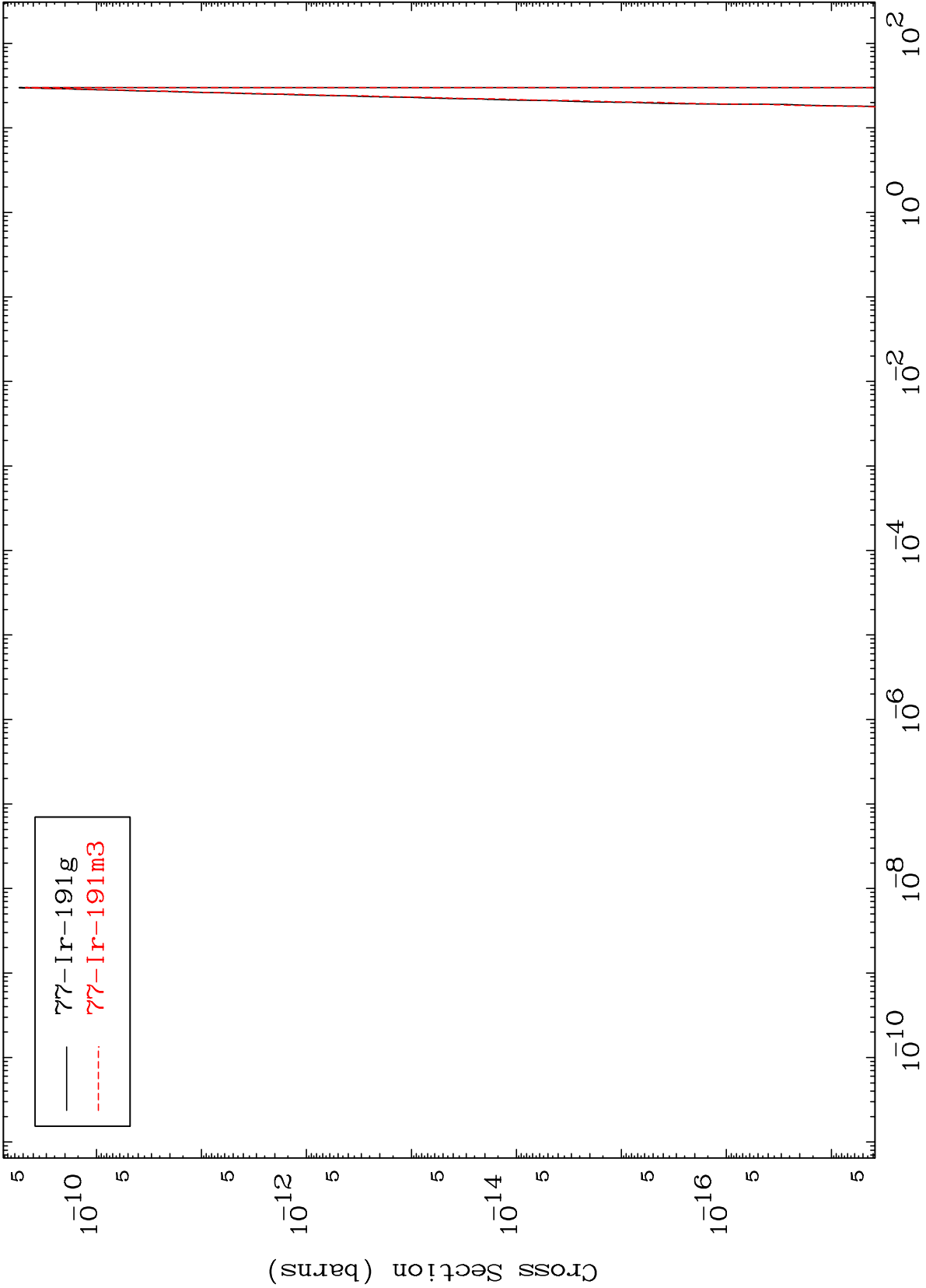
81-Tl-199

MAT 81113

(n,n') 2α

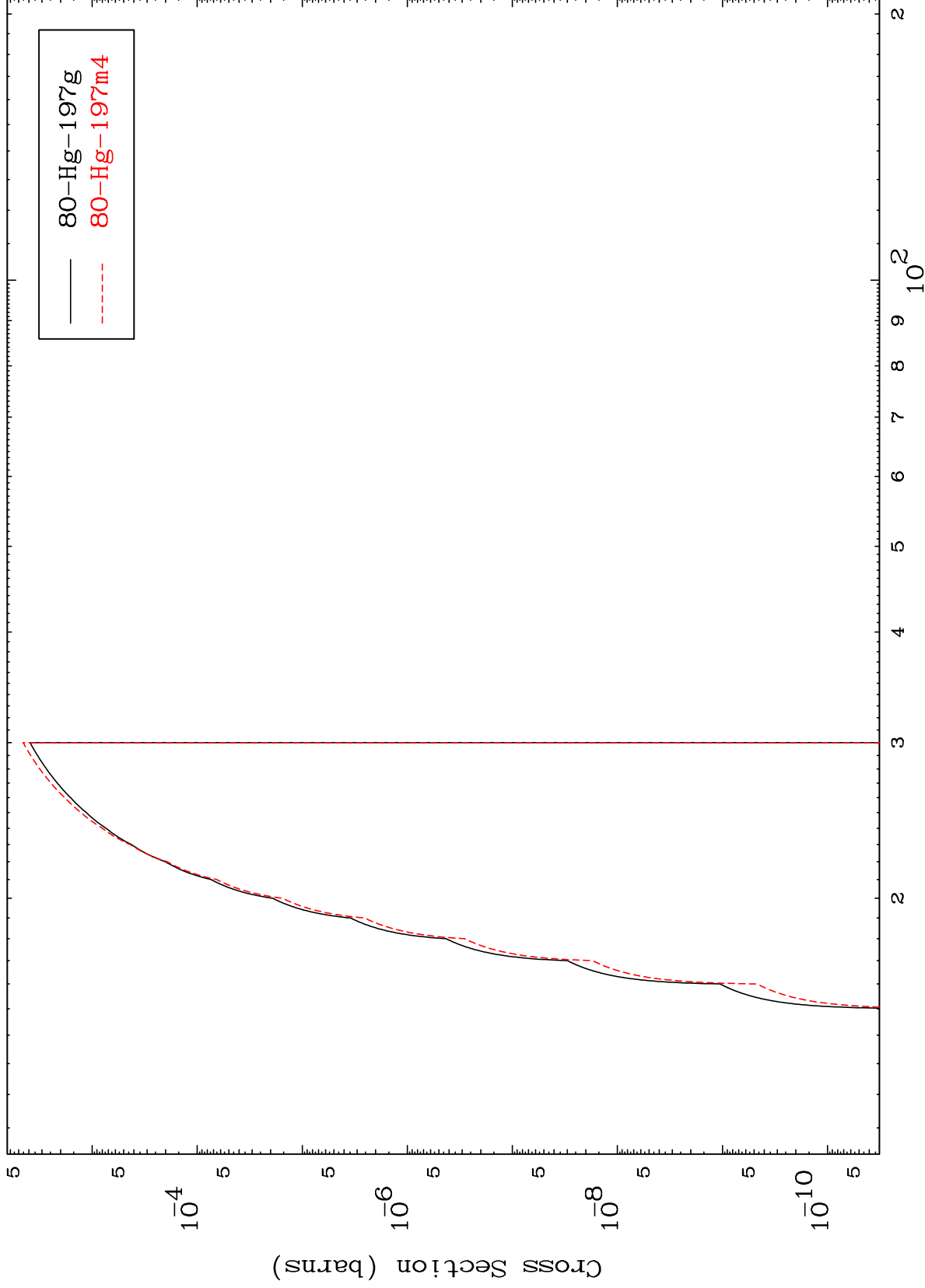
81-Tl-199

Radionuclide Production Cross Section



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

Radionuclide Production Cross Section

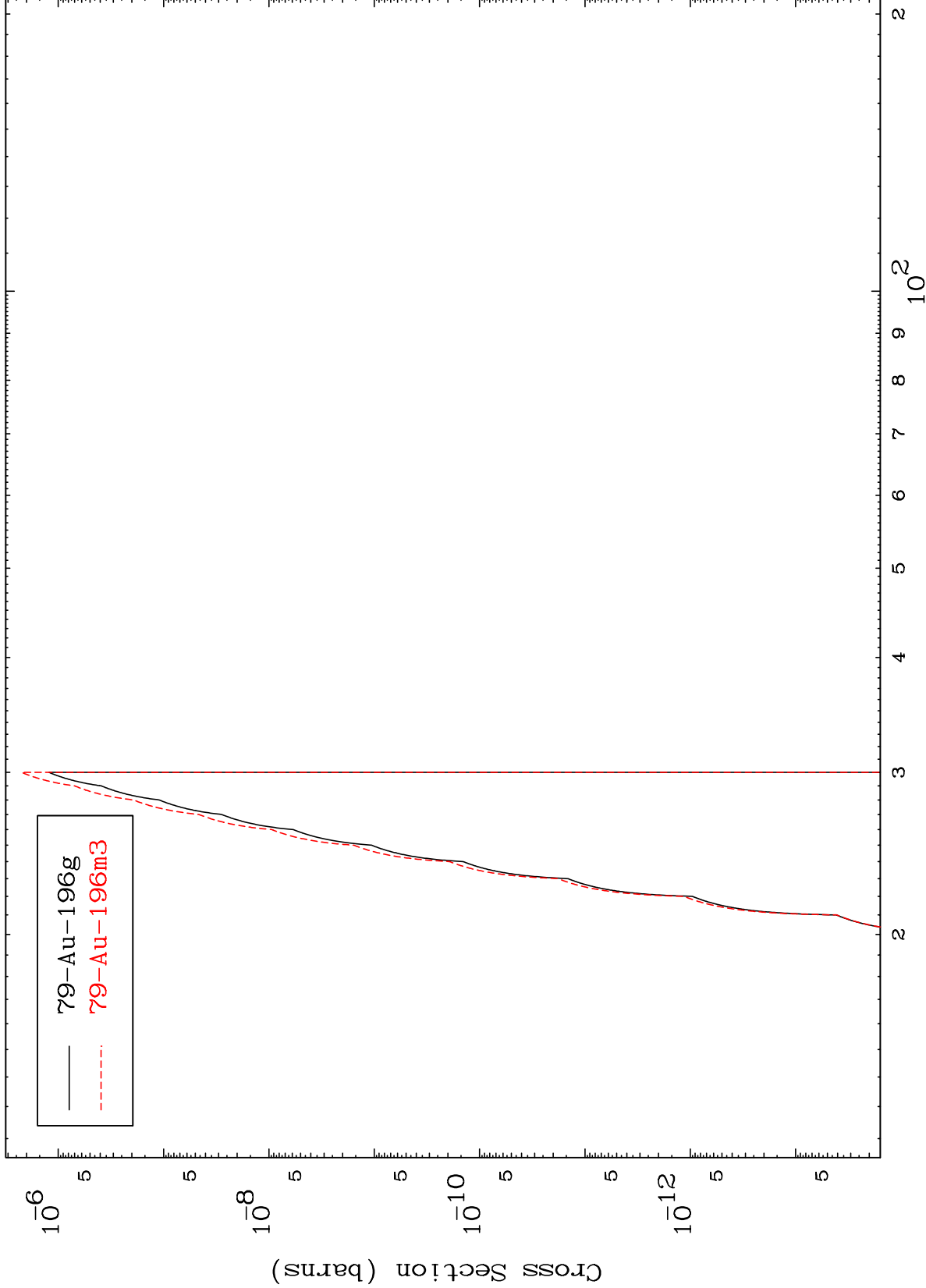


MAT 81113

(n,n') He-3

81-Tl-199

Radionuclide Production Cross Section



87

Incident Energy (MeV)

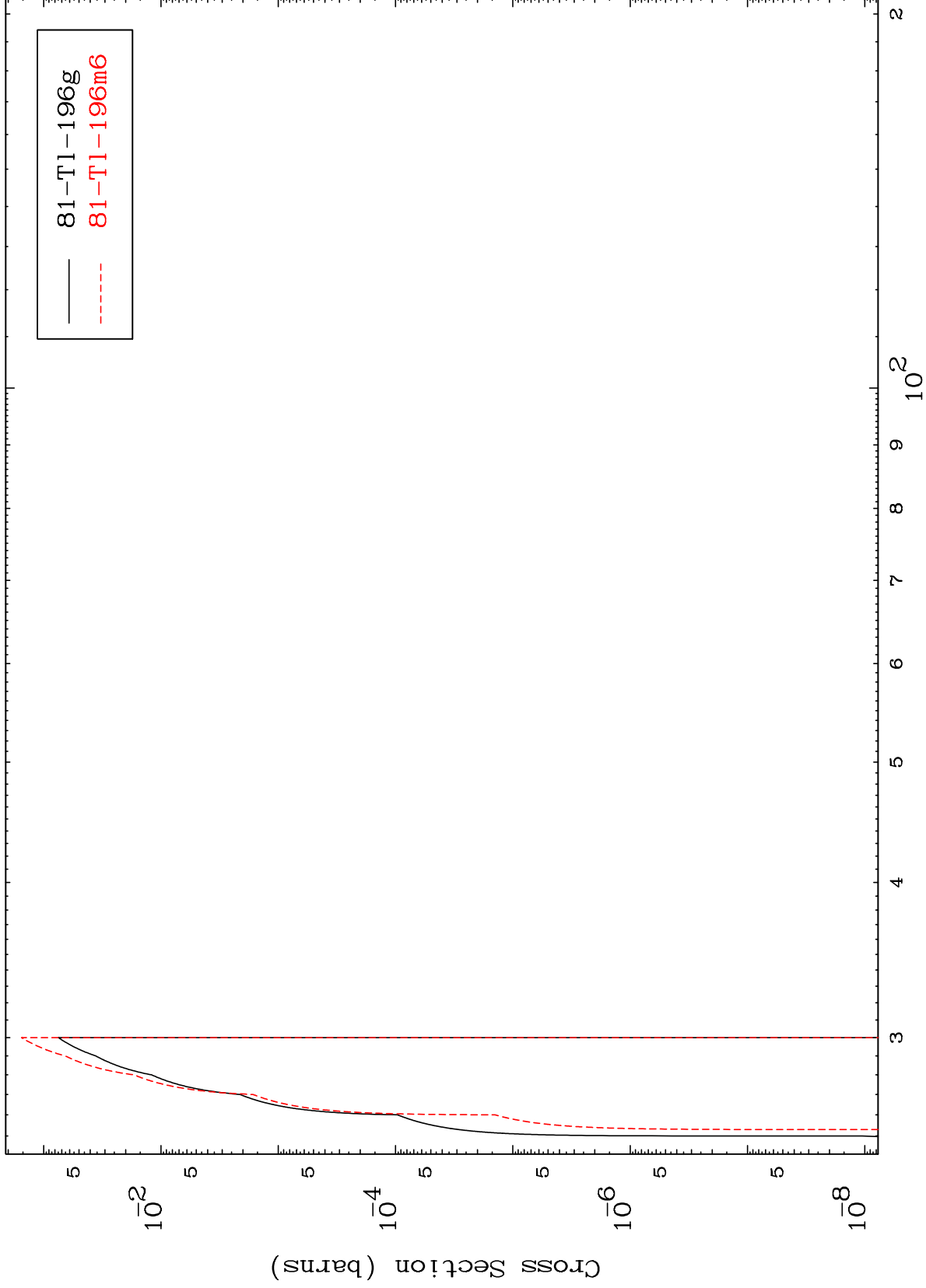
81-Tl-199

MAT 8113

(n,4n)

81-Tl-199

Radionuclide Production Cross Section

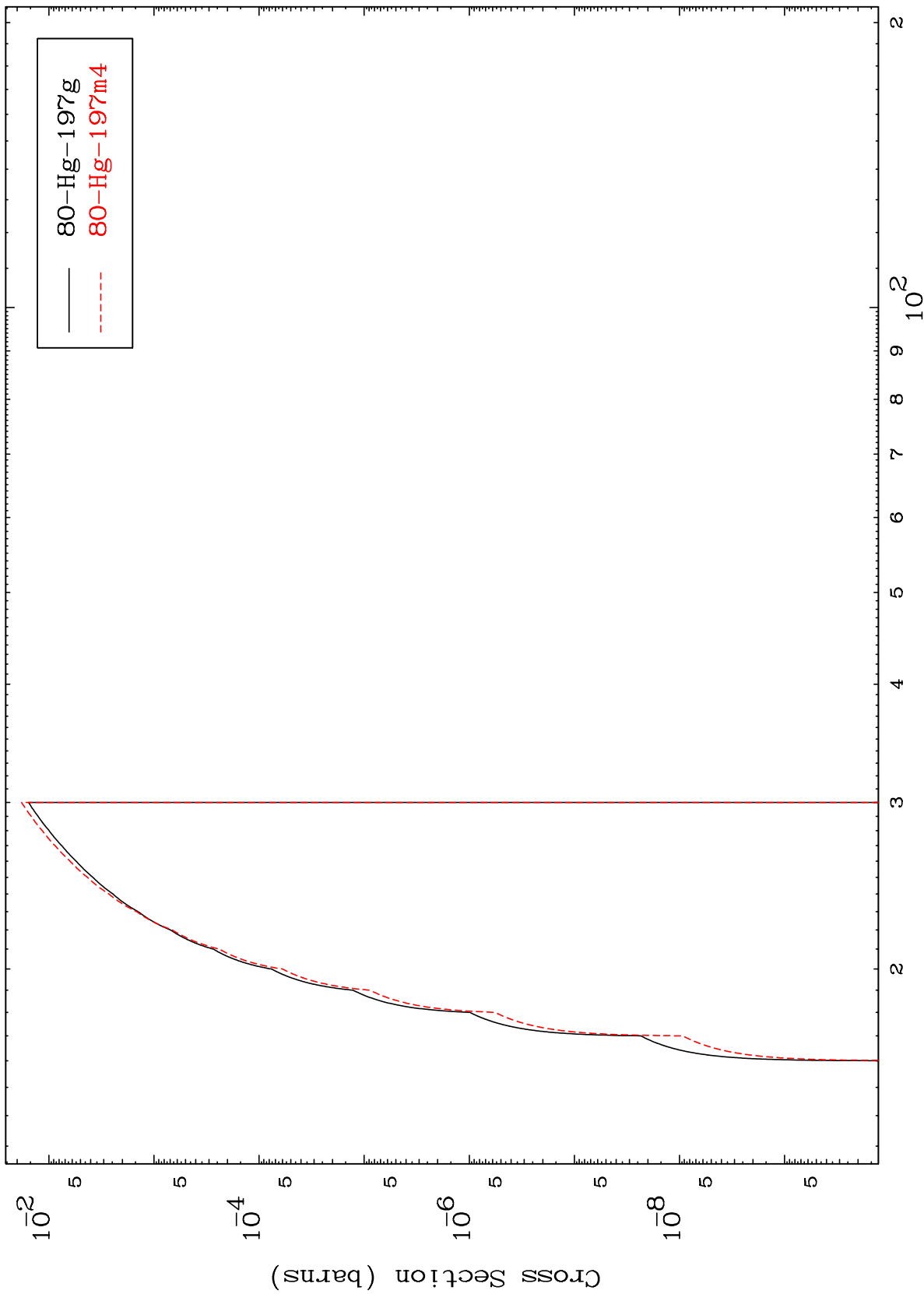


88

Incident Energy (MeV)

81-Tl-199

Radionuclide Production Cross Section

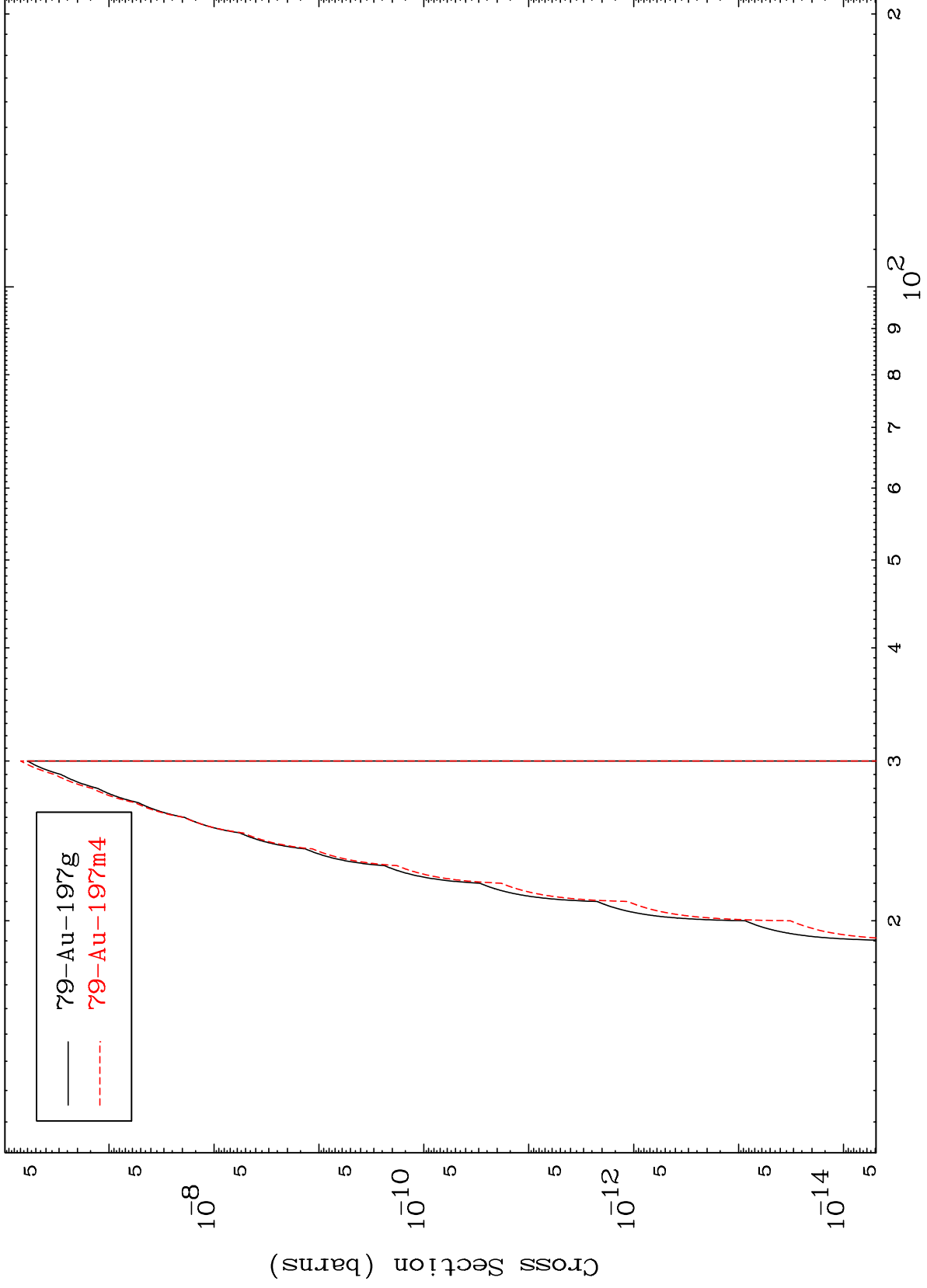


MAT 81113

(n,2n) p

81-Tl-199

Radionuclide Production Cross Section



90

Incident Energy (MeV)

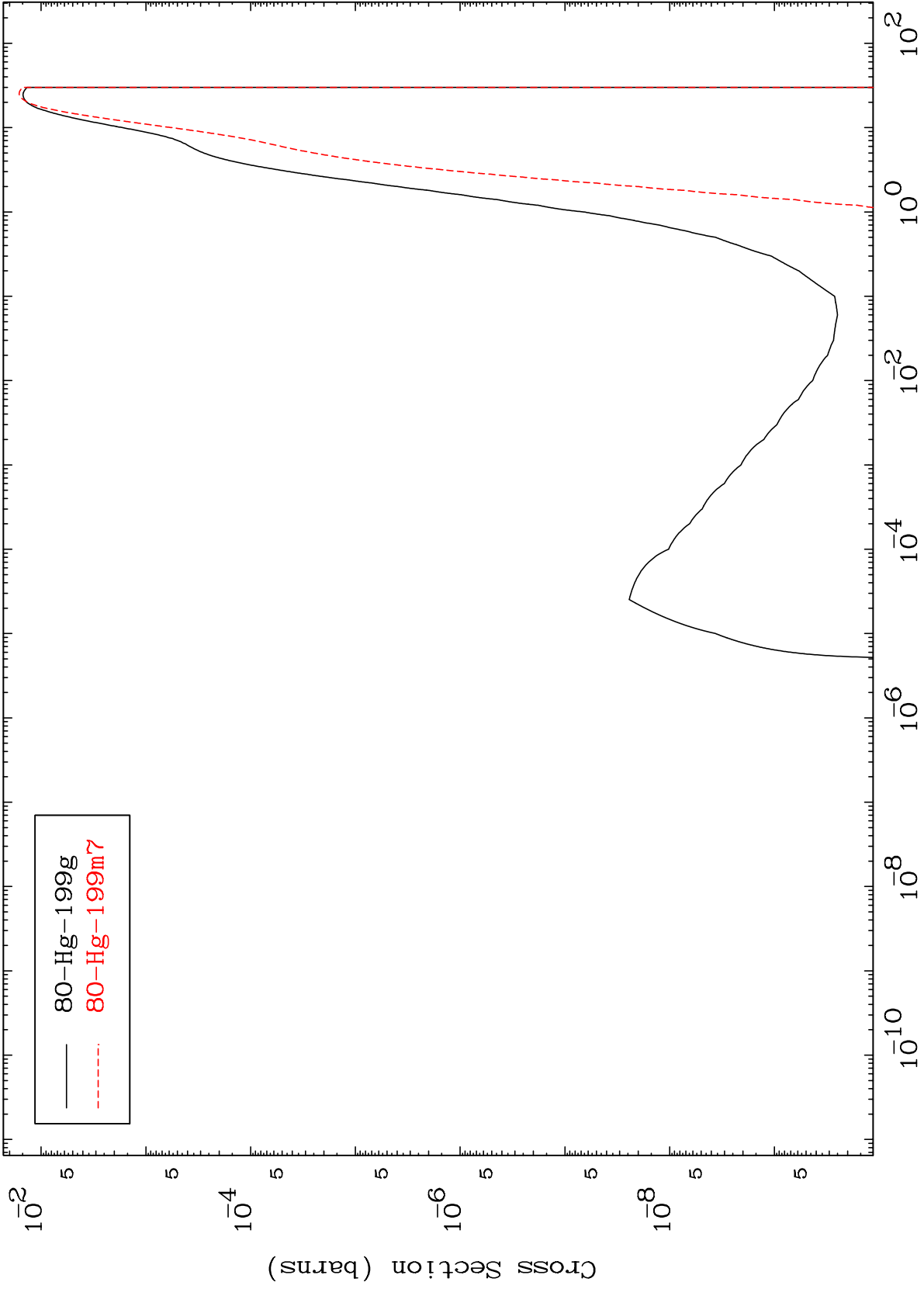
81-Tl-199

MAT 8113

(n,p)

81-Tl-199

Radionuclide Production Cross Section



— 80-Hg-199g
- - - 80-Hg-199m7

91

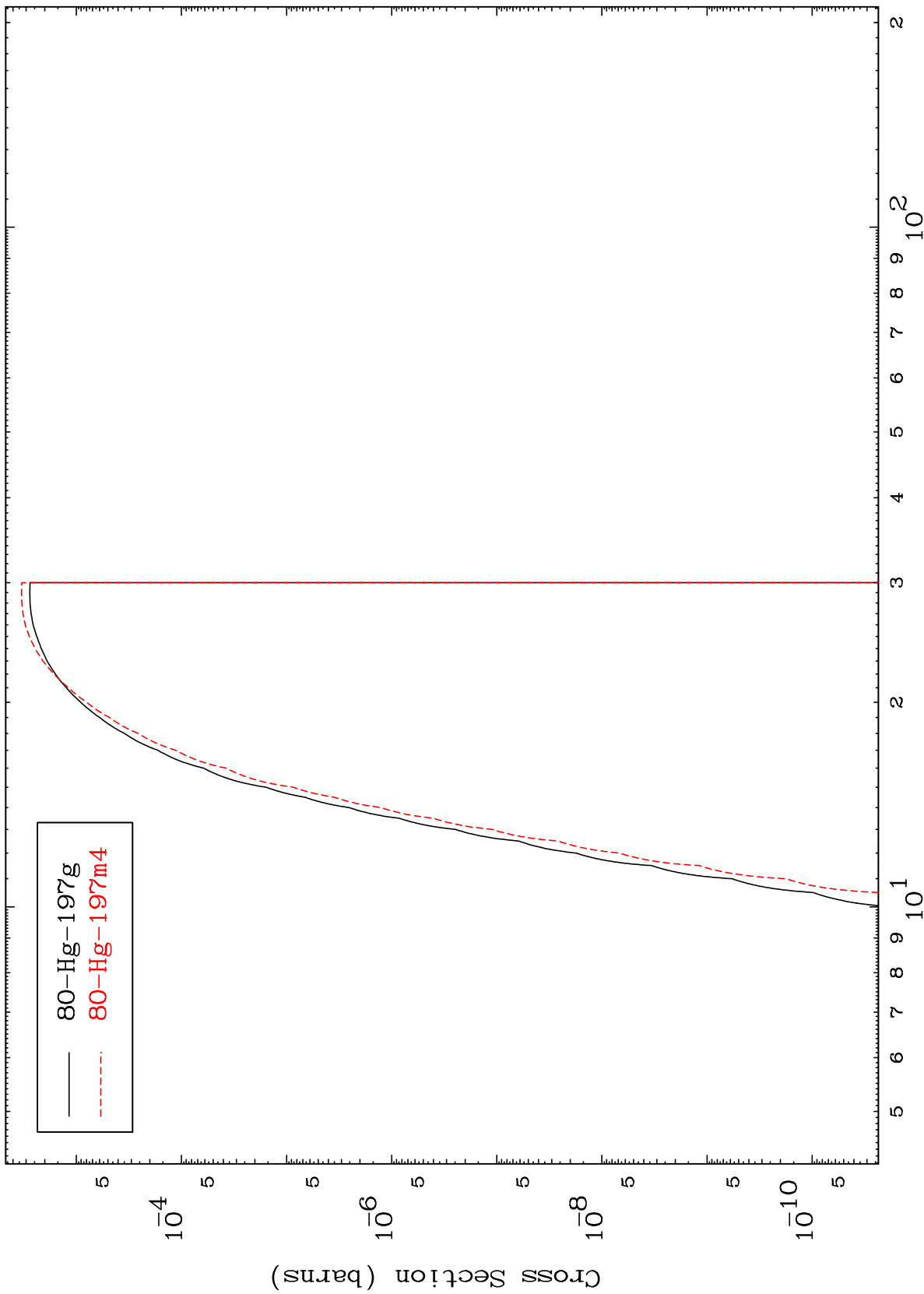
Incident Energy (MeV)

81-Tl-199

MAT 8113

81-T1-199

Radionuclide Production Cross Section
(n, t)

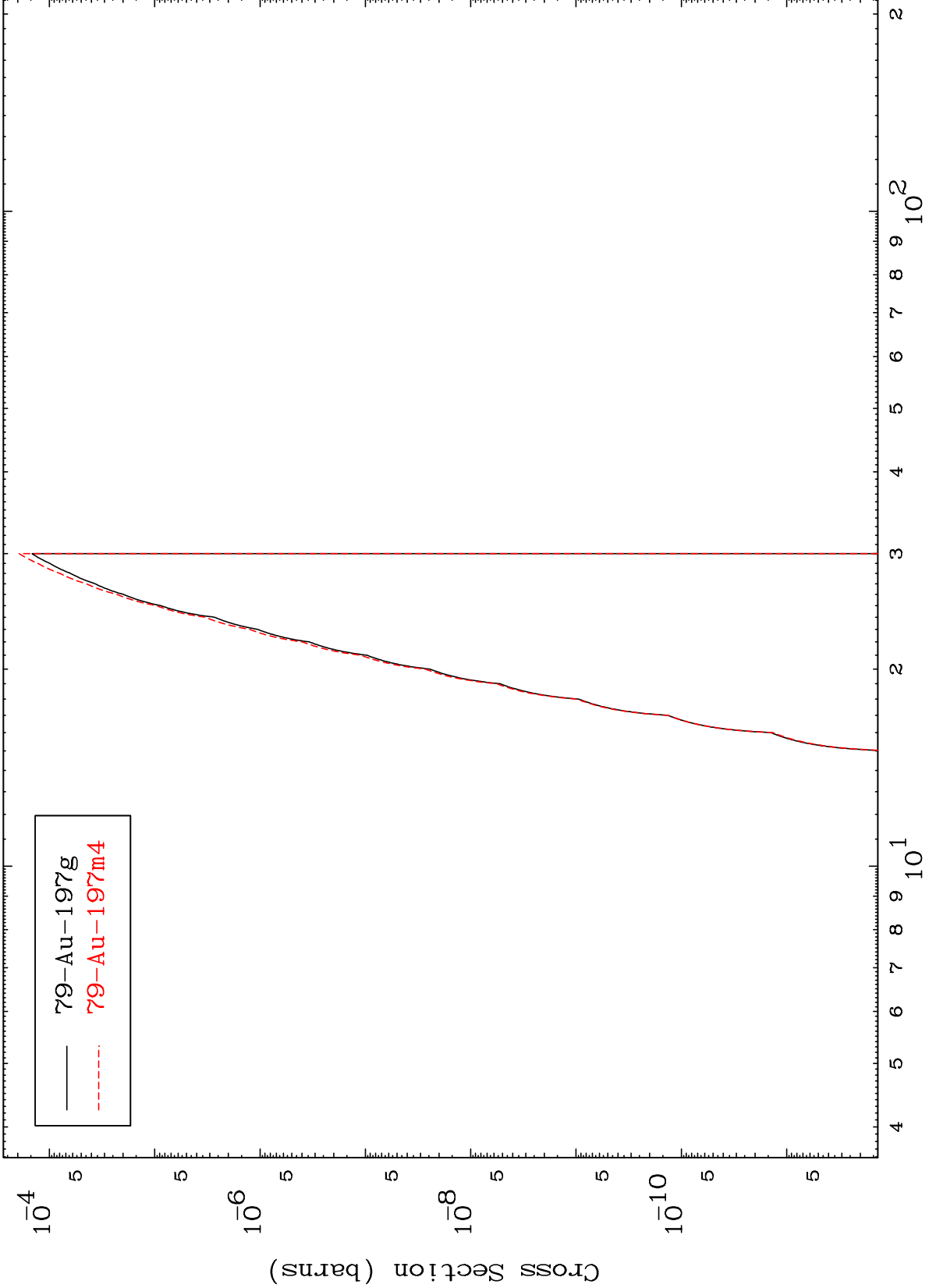


92

81-T1-199

Incident Energy (MeV)

Radionuclide Production Cross Section

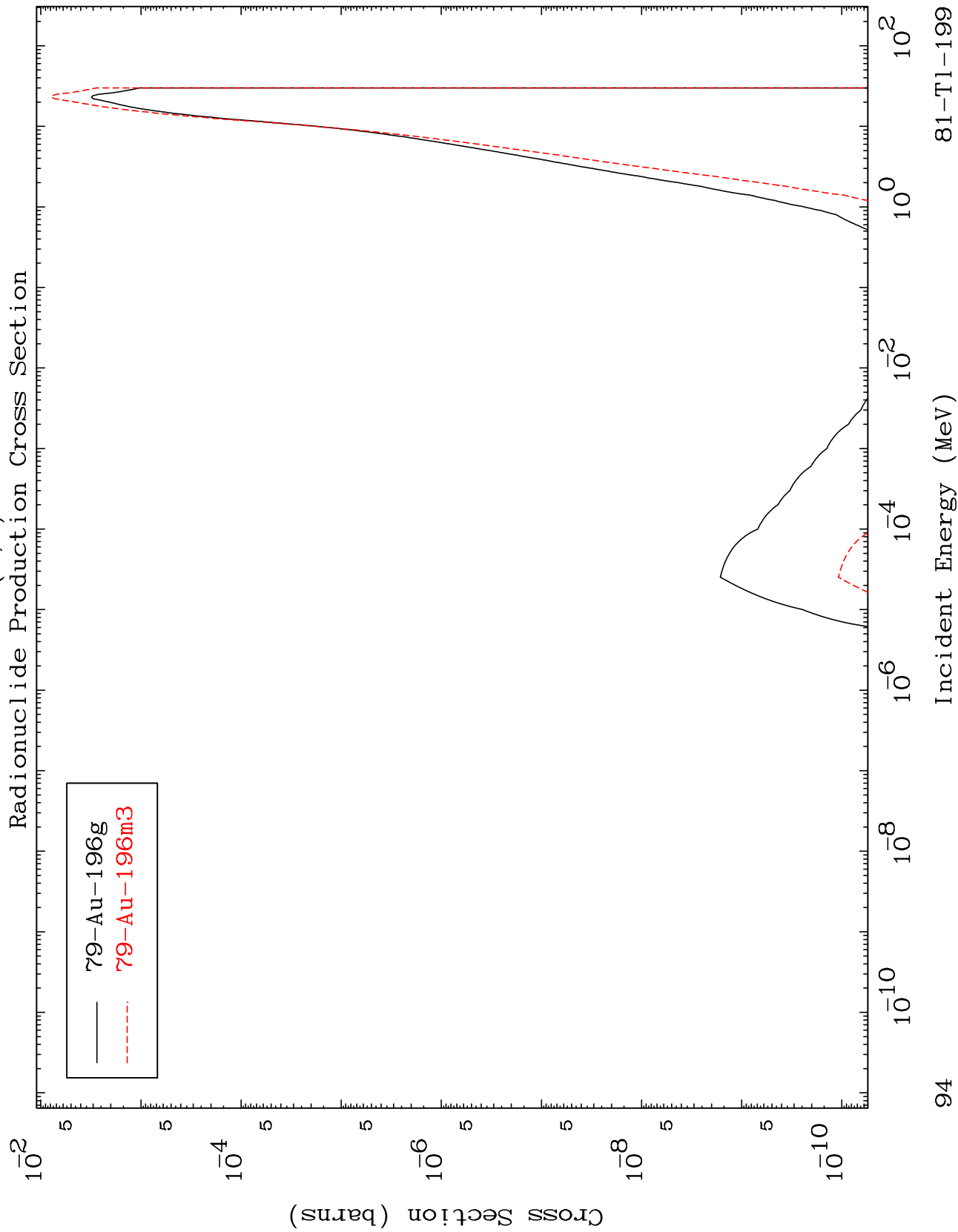


MAT 8113

81-Tl-199

Radionuclide Production Cross Section

(n, α)



94

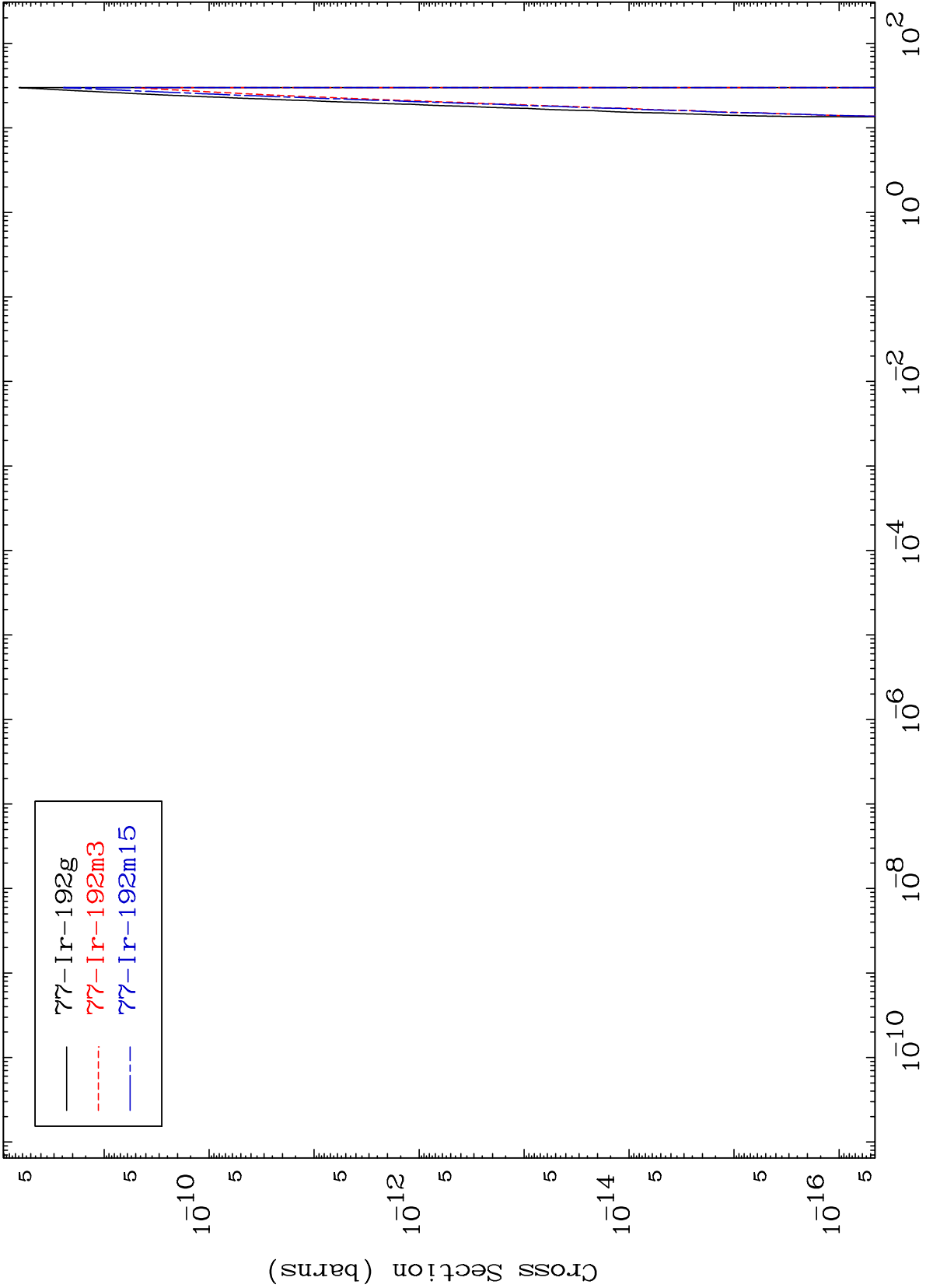
81-Tl-199

MAT 8113

(n,2α)

81-Tl-199

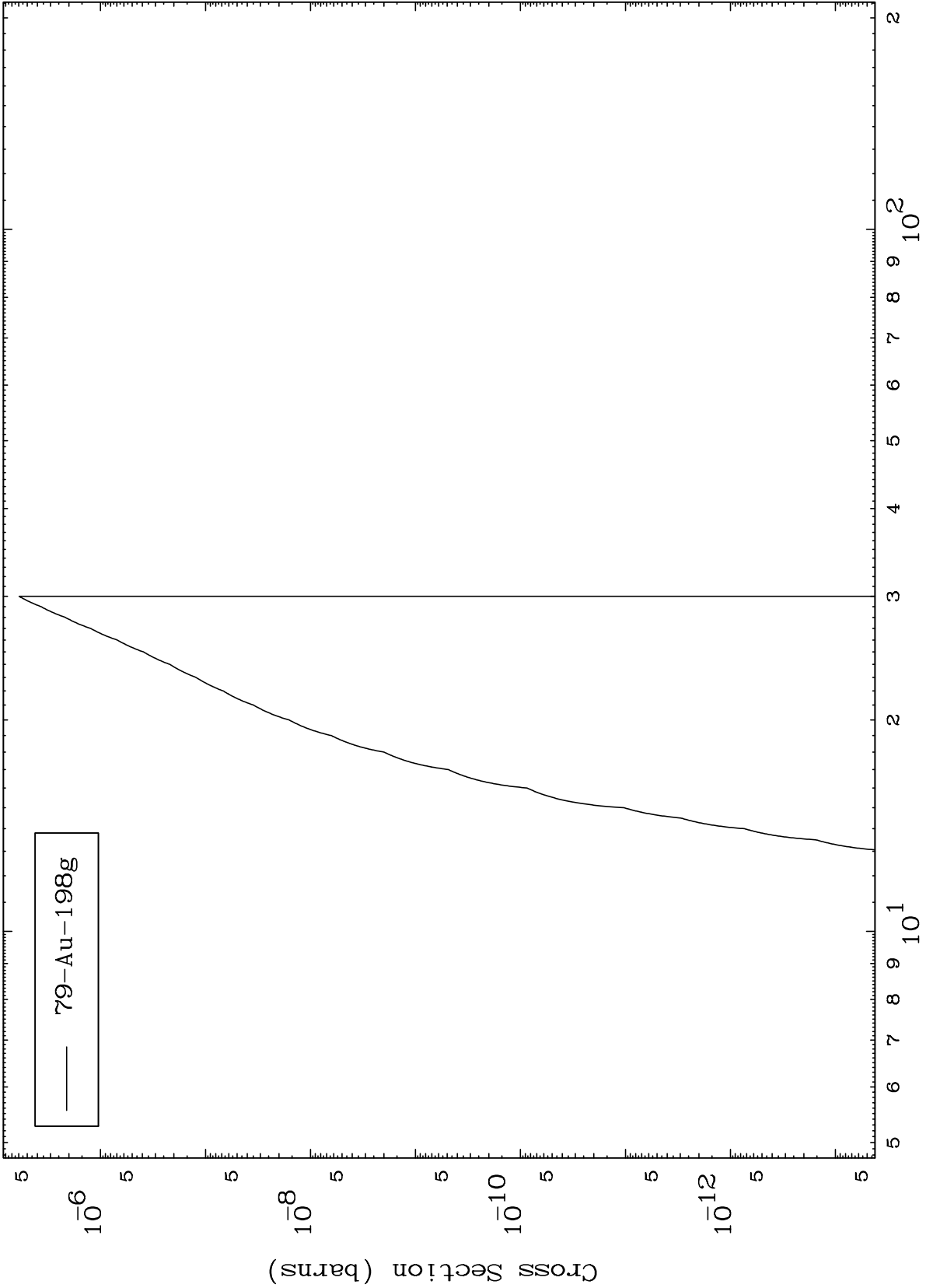
Radionuclide Production Cross Section



MAT 81113

81-T1-199

(n,2p)
Radionuclide Production Cross Section



96

Incident Energy (MeV)

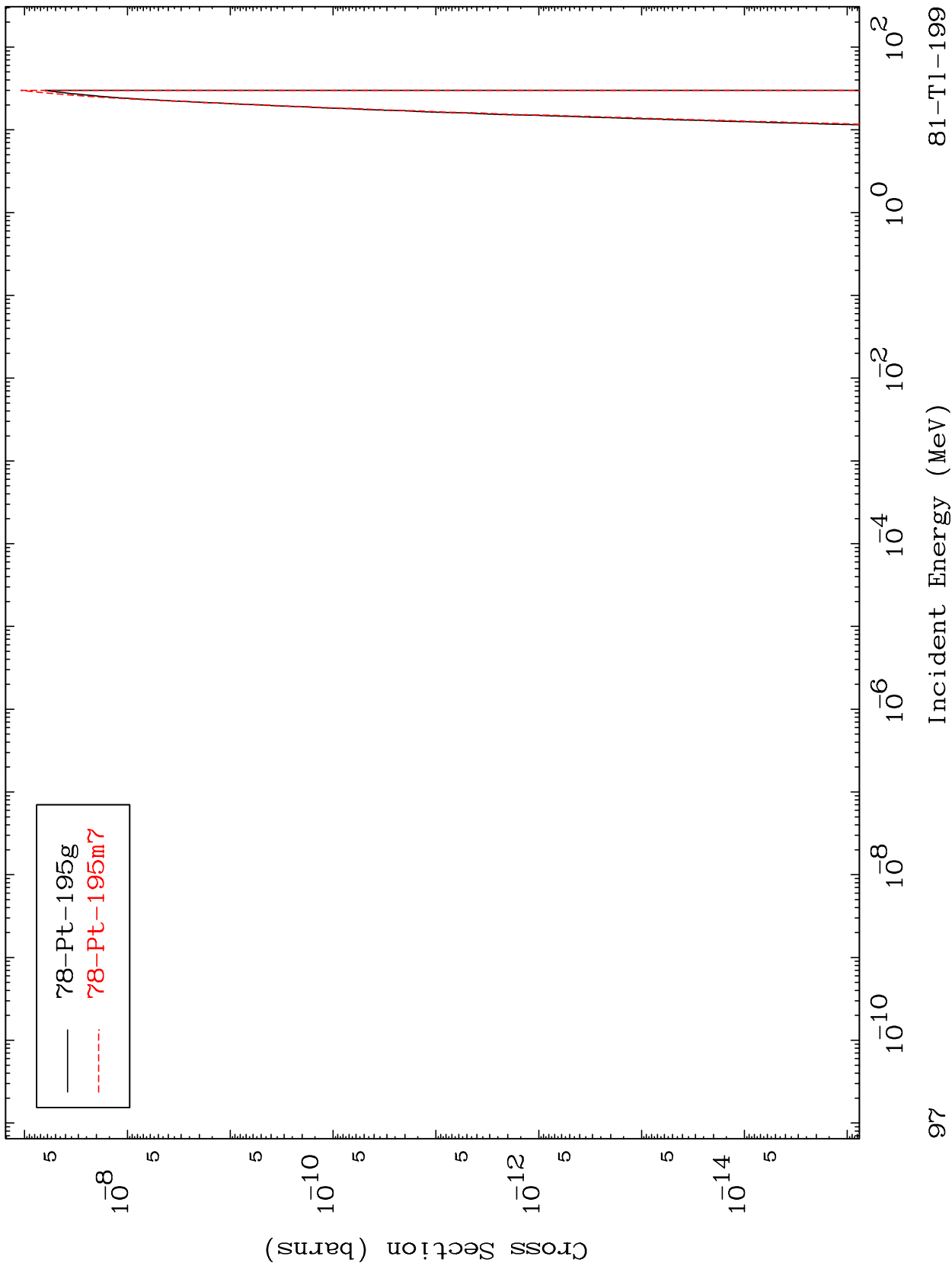
81-T1-199

MAT 8113

(n,p) α

81-Tl-199

Radionuclide Production Cross Section

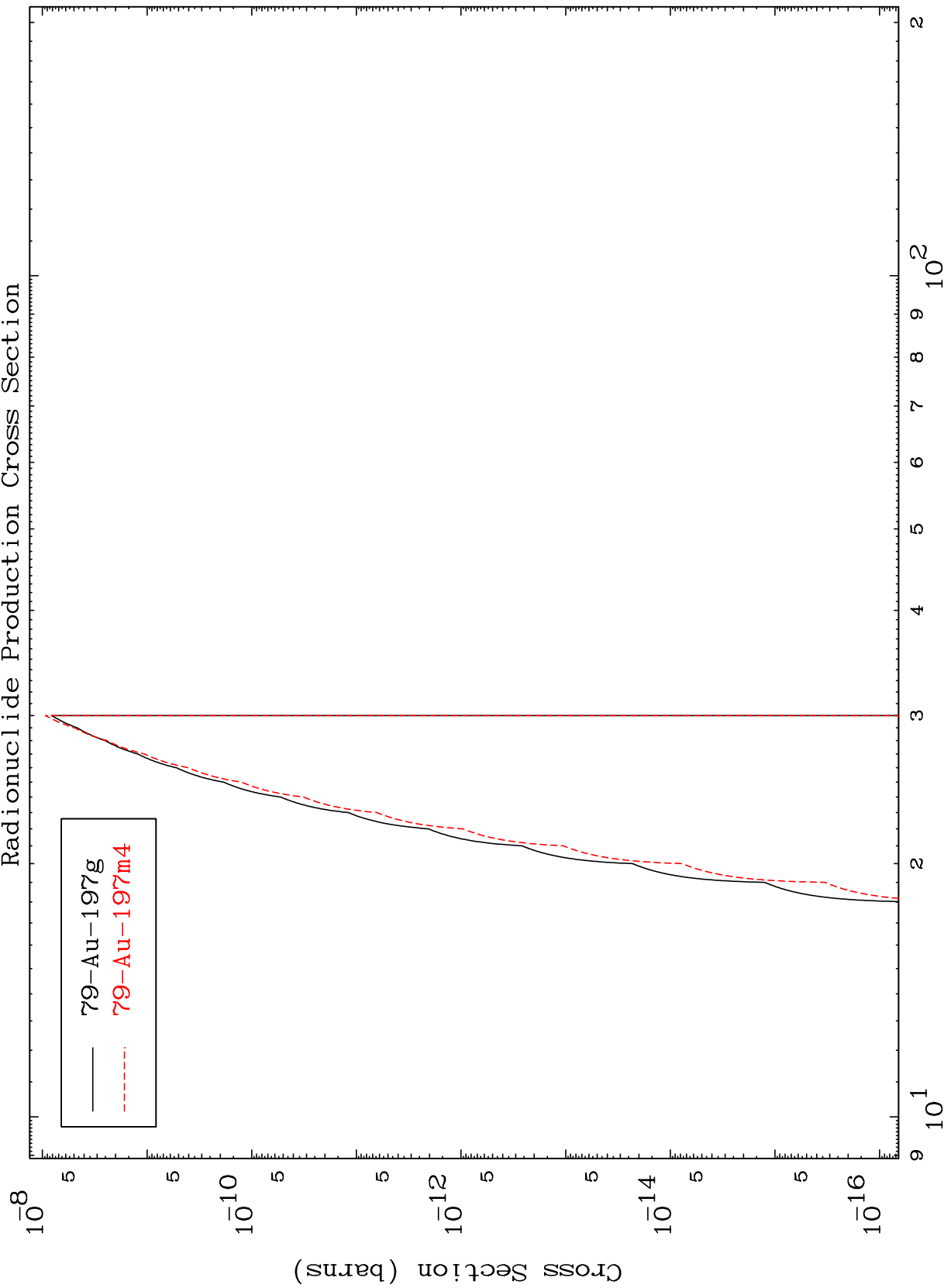


MAT 8113

(n,p) d

81-Tl-199

Radionuclide Production Cross Section



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

98

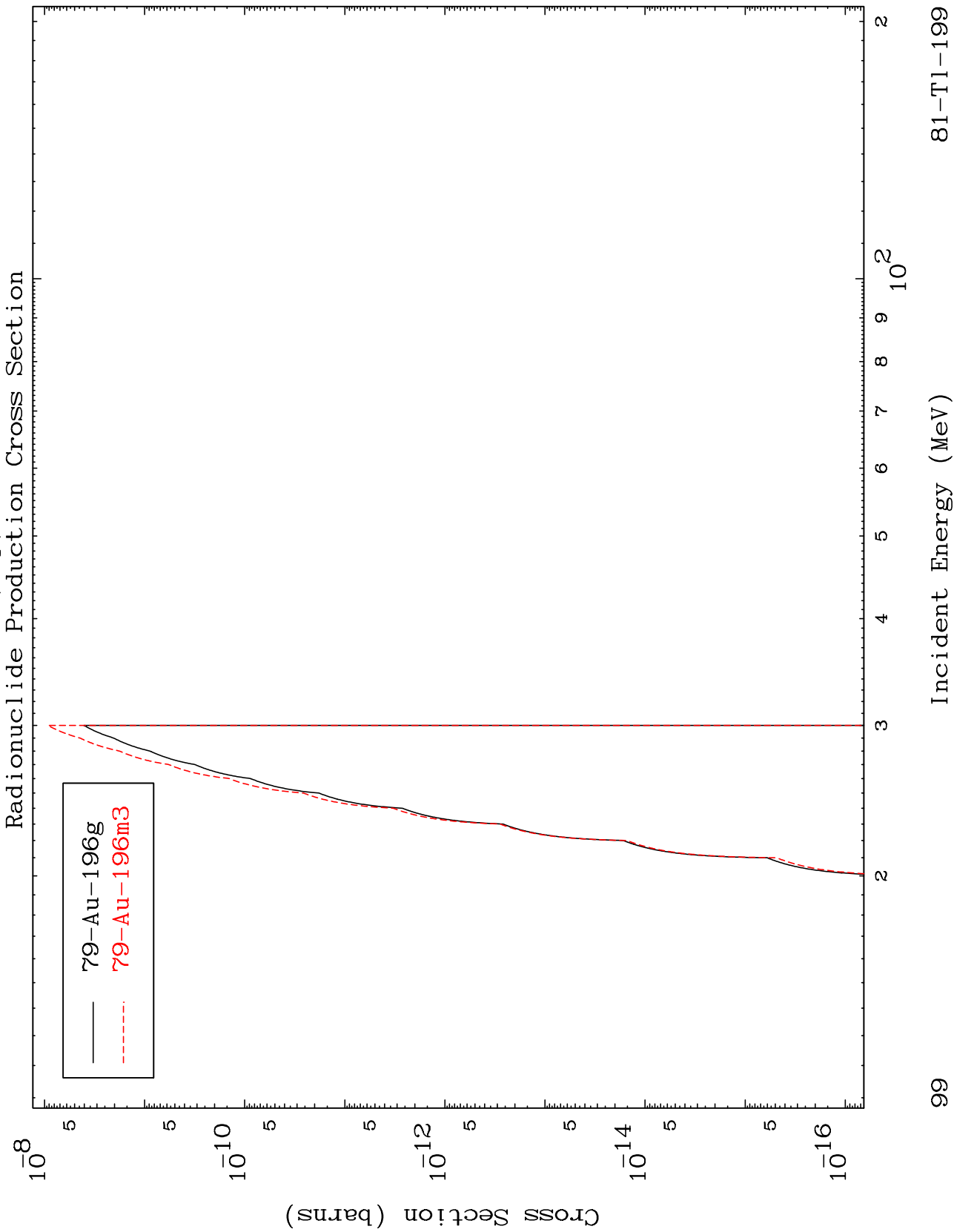
Incident Energy (MeV)

81-Tl-199

MAT 81113

(n,p) t

81-Tl-199



99

81-Tl-199