

Program EVALPLOT
(Version 2017-1)

by

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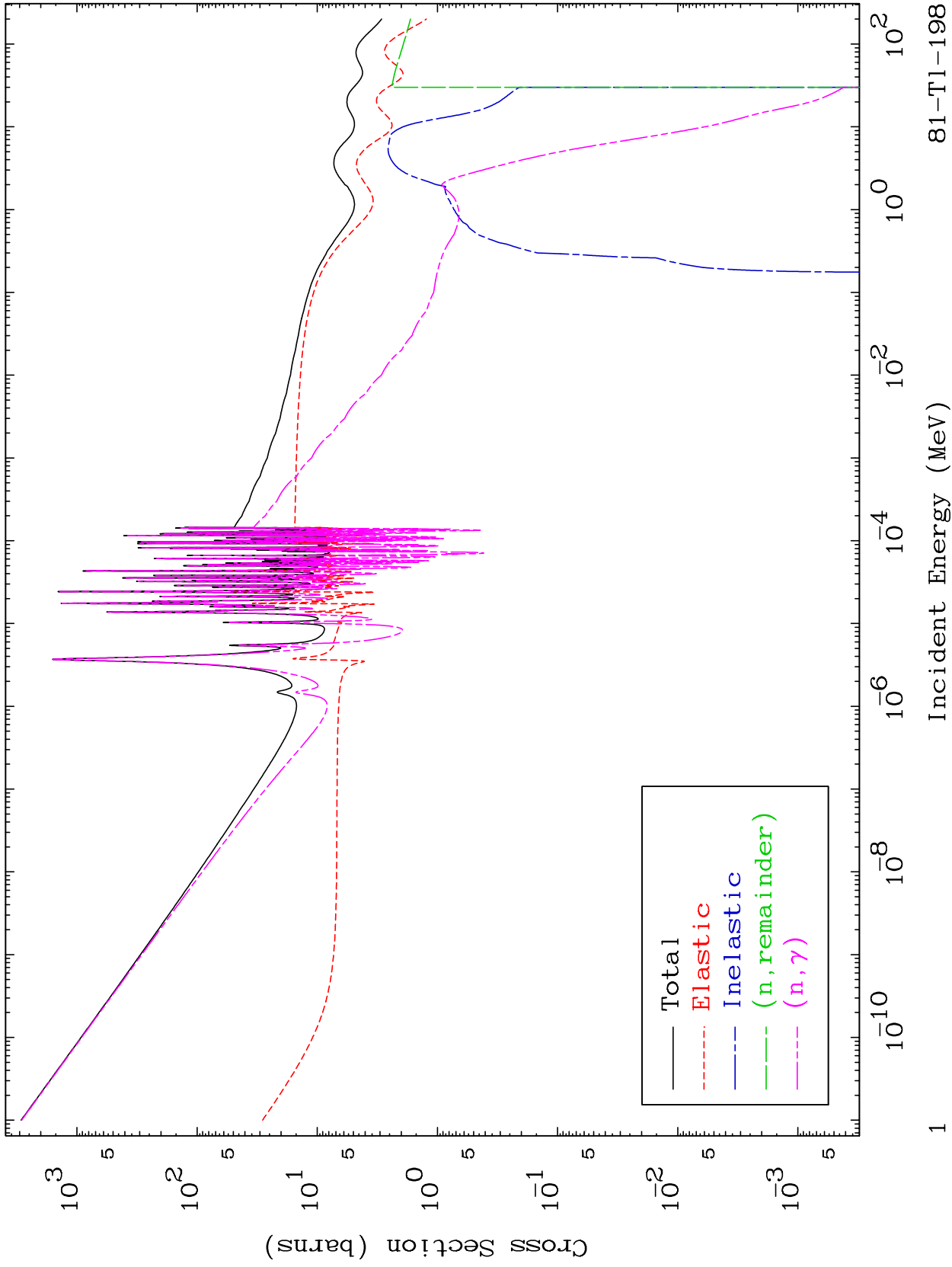
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8110

Major
293 Kelvin Cross Sections

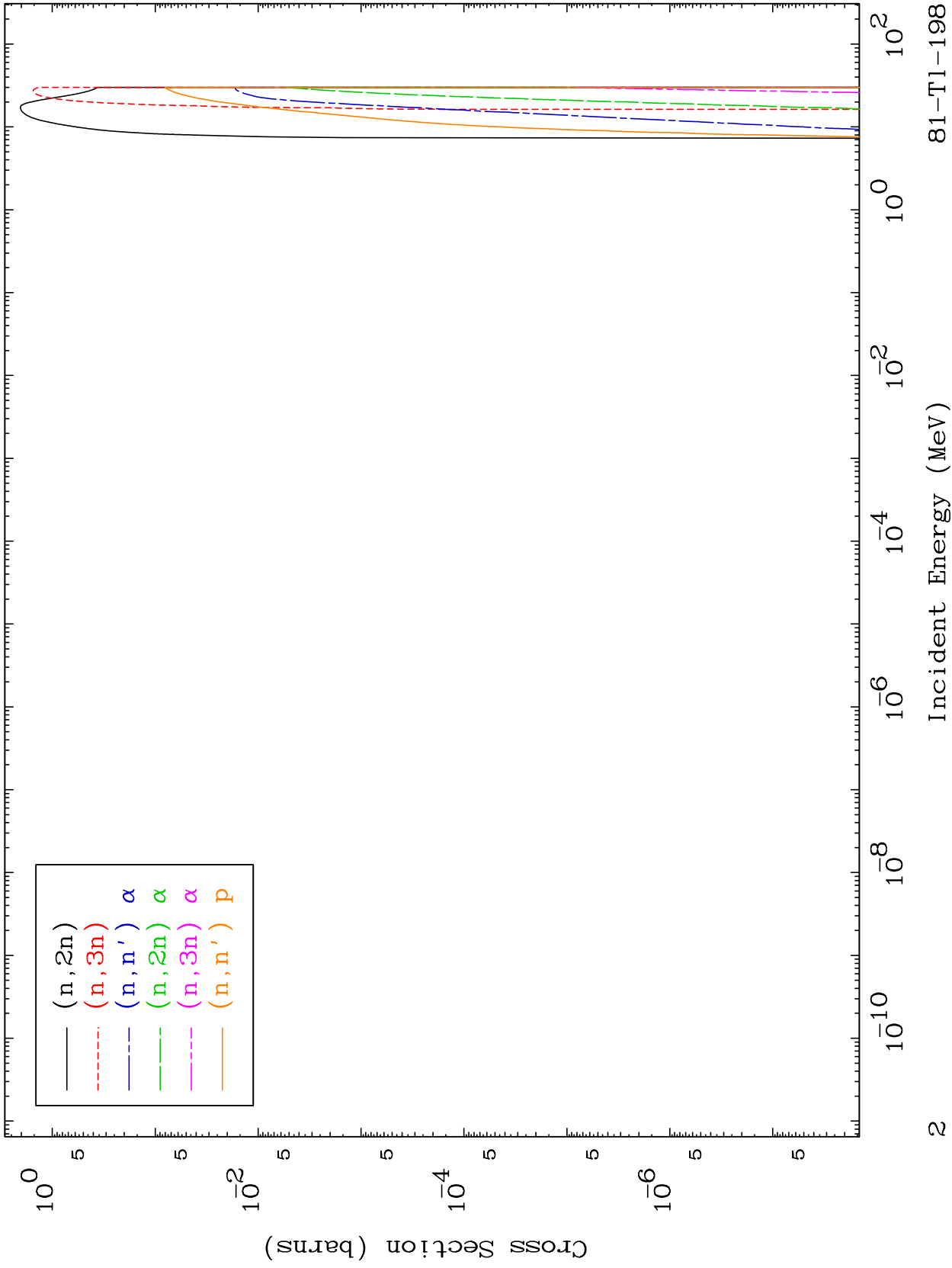
81-T1-198

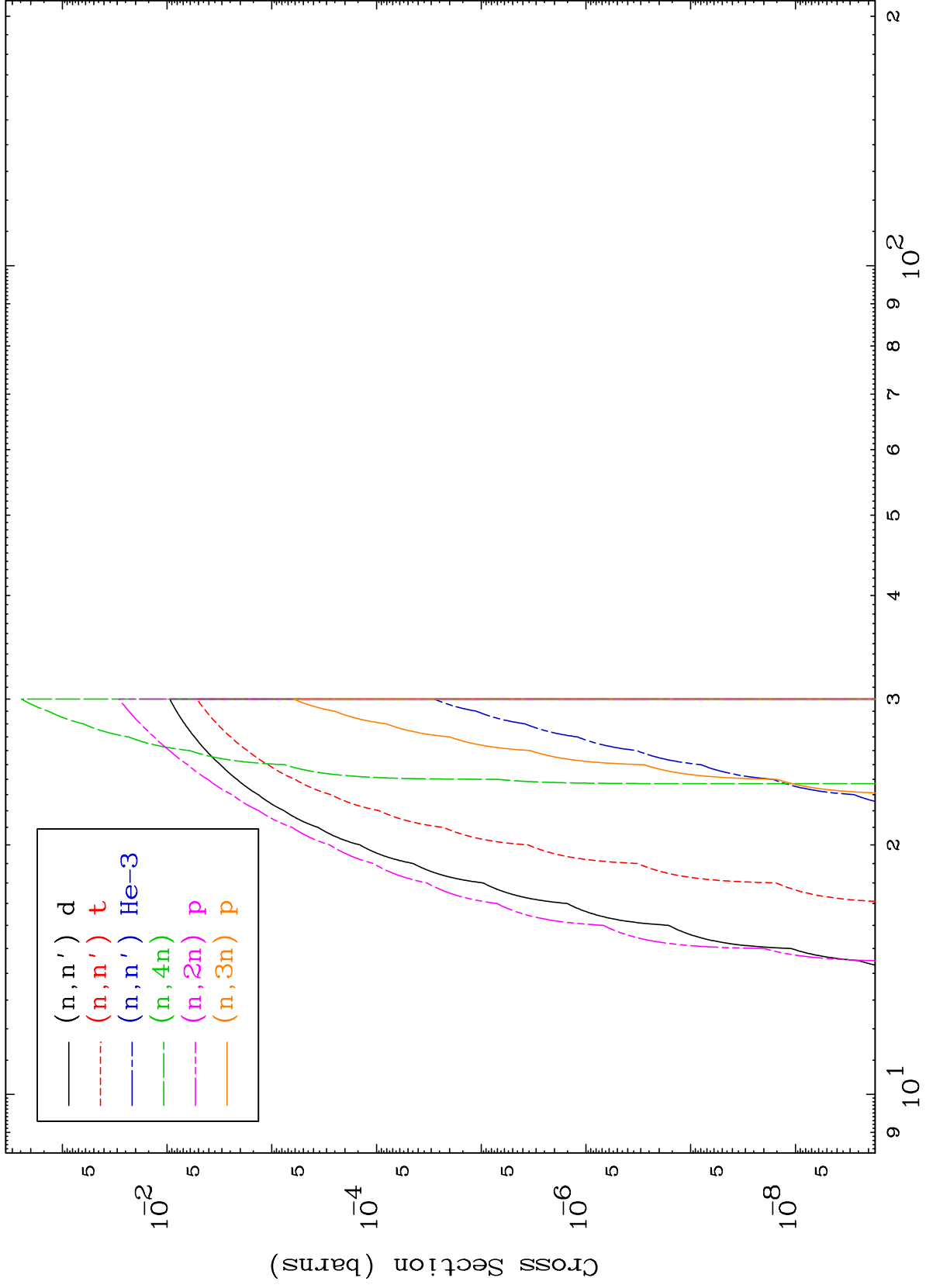


MAT 8110

Neutron Production
293 Kelvin Cross Sections

81-Tl-198

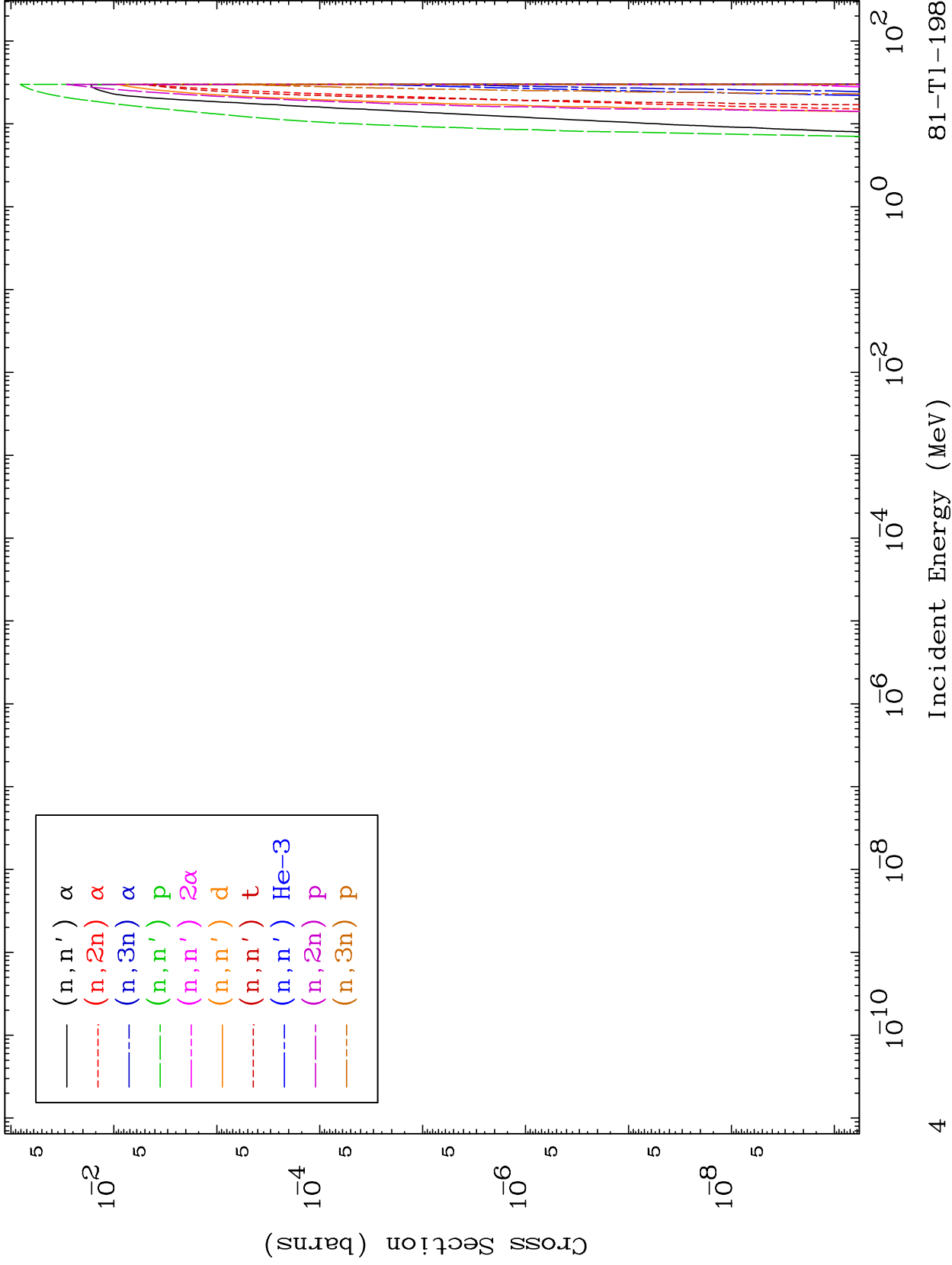




MAT 8110

Charged Particle
293 Kelvin Cross Sections

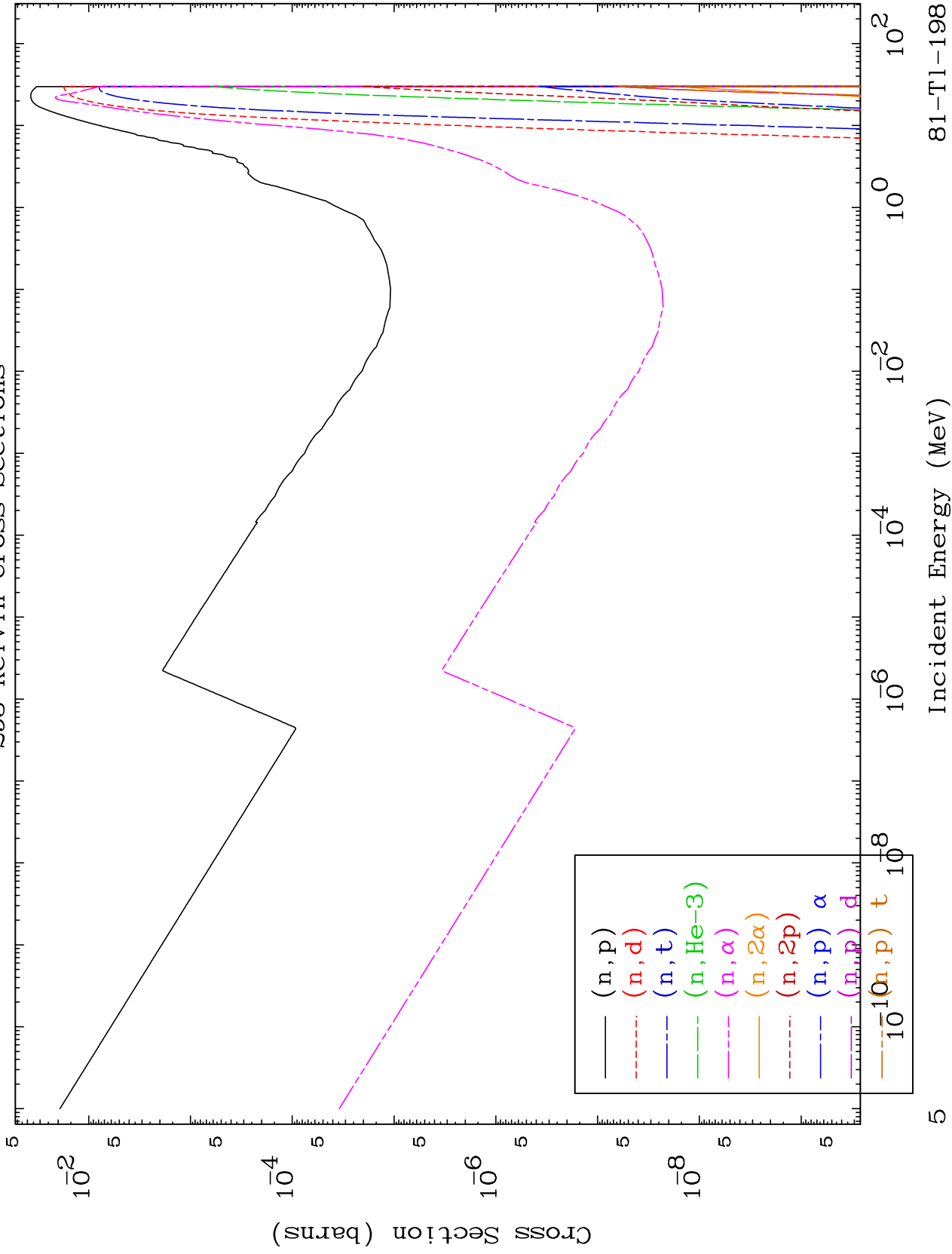
81-Tl-198



MAT 8110

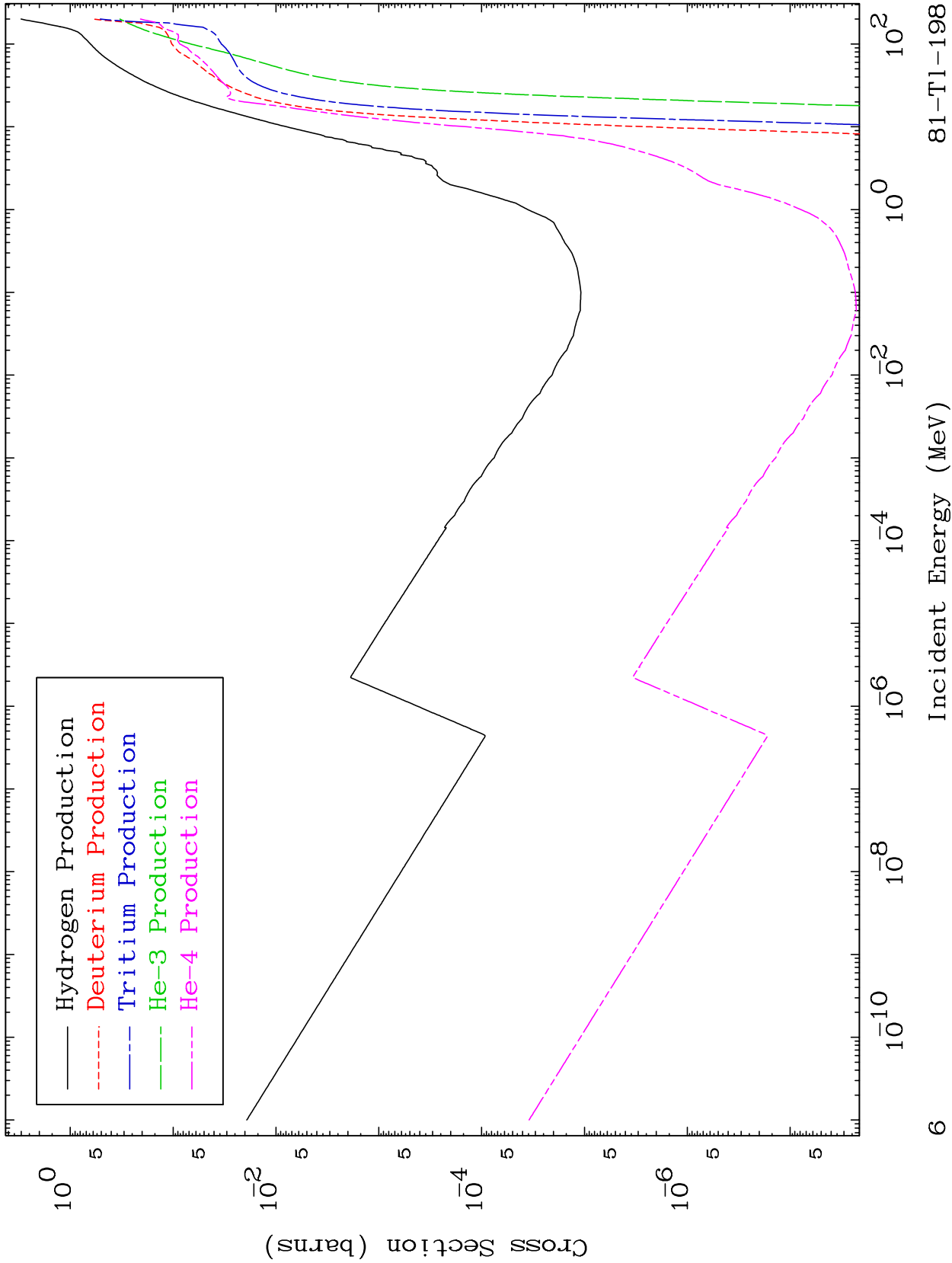
Charged Particle
293 Kelvin Cross Sections

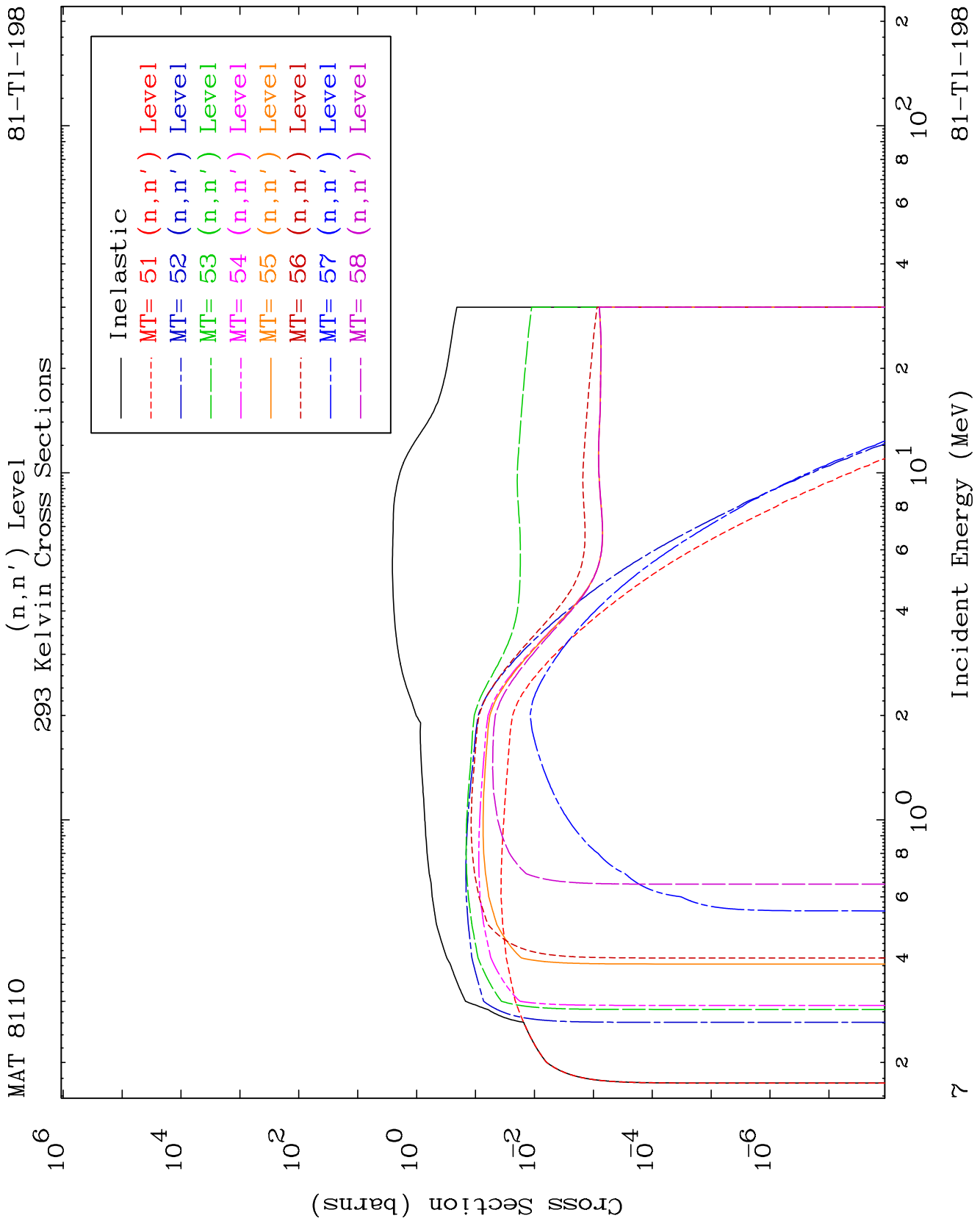
81-Tl-198



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81-Tl-198



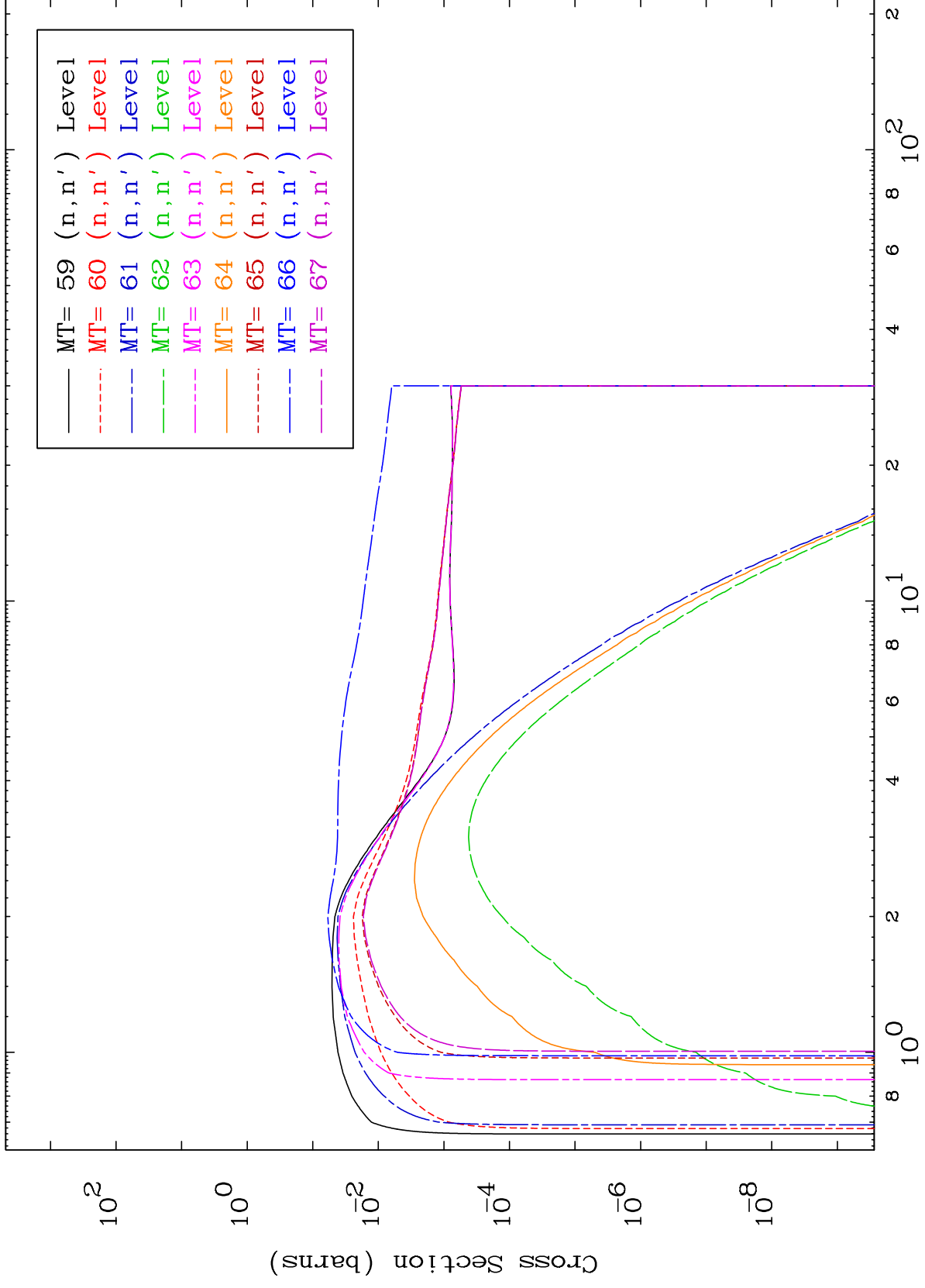


MAT 8110

(n,n') Level

81-Tl-198

293 Kelvin Cross Sections



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Incident Energy (MeV)

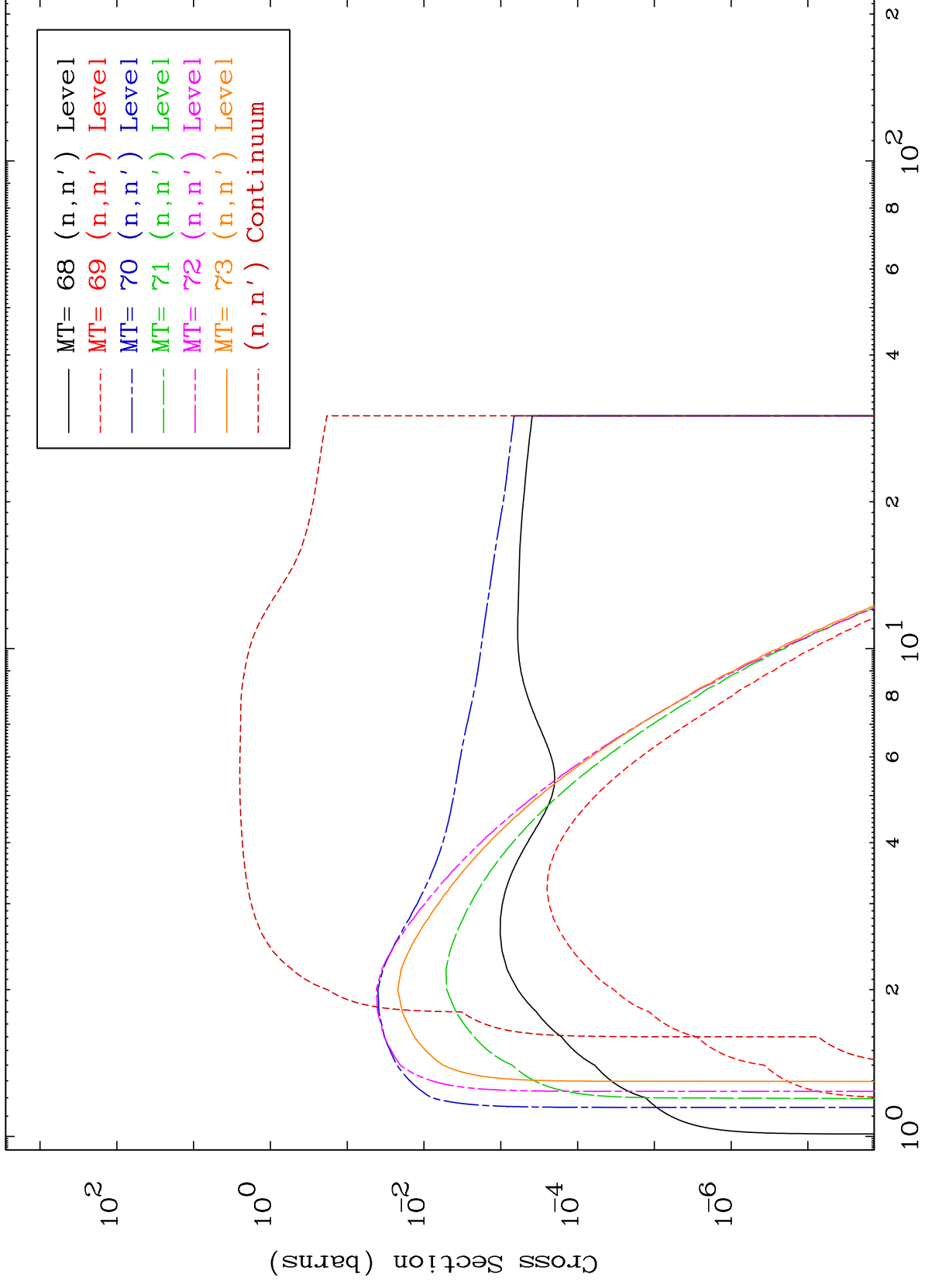
81-Tl-198

MAT 8110

(n,n') Level

81-Tl-198

293 Kelvin Cross Sections



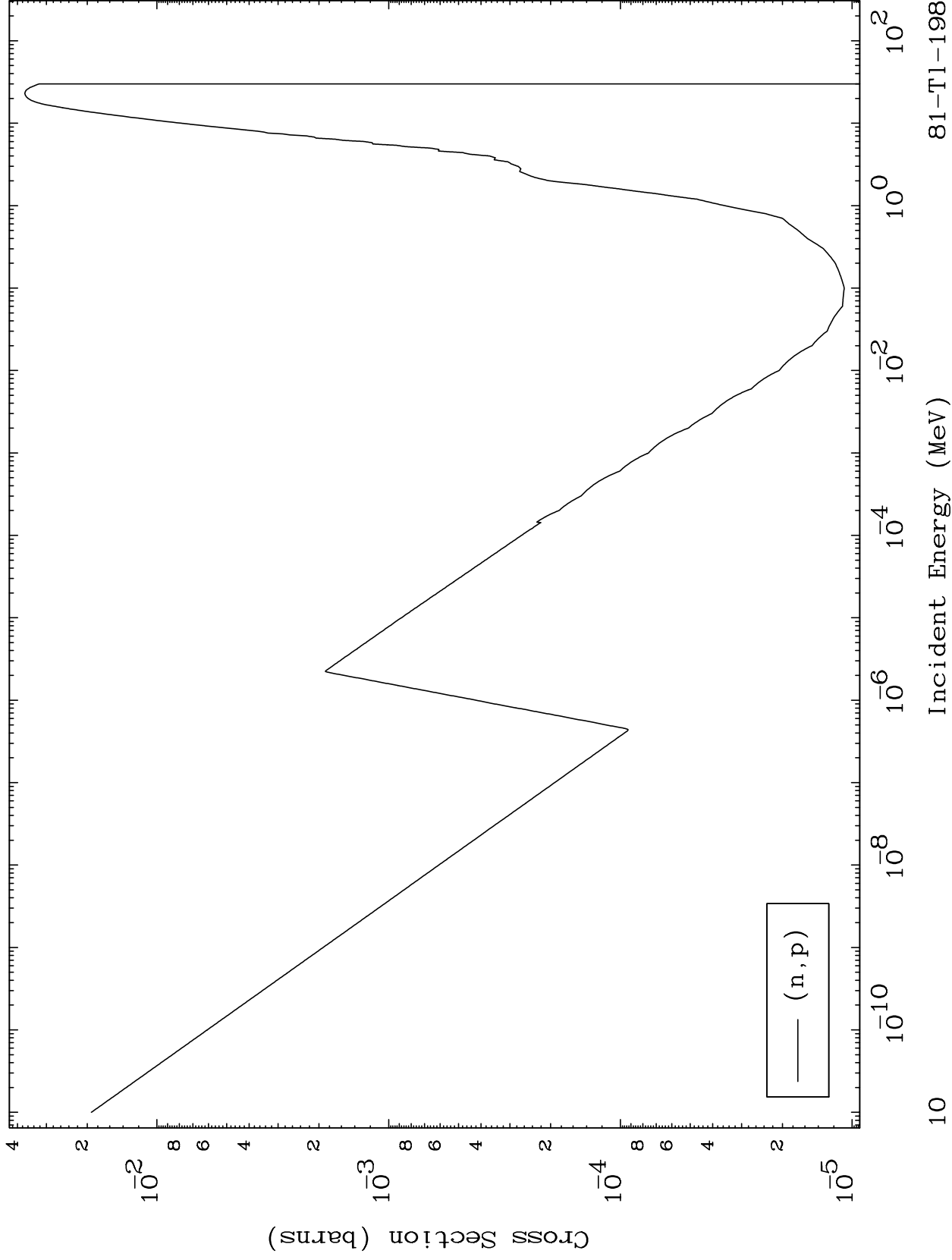
Incident Energy (MeV)

81-Tl-198

MAT 8110

(n,p) Levels
293 Kelvin Cross Sections

81-Tl-198



10

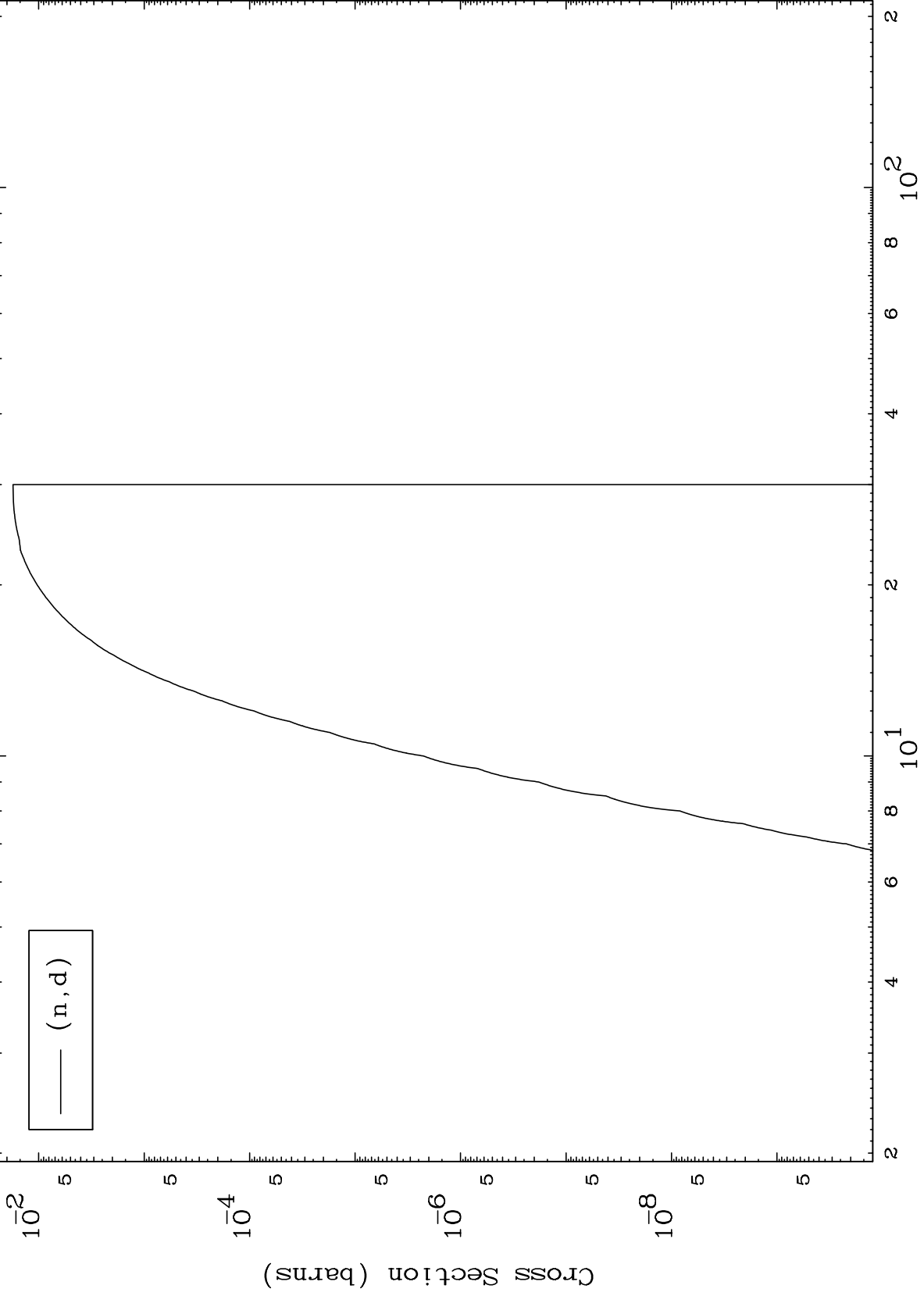
Incident Energy (MeV)

81-Tl-198

MAT 8110

(n,d) Levels
293 Kelvin Cross Sections

81-Tl-198



11

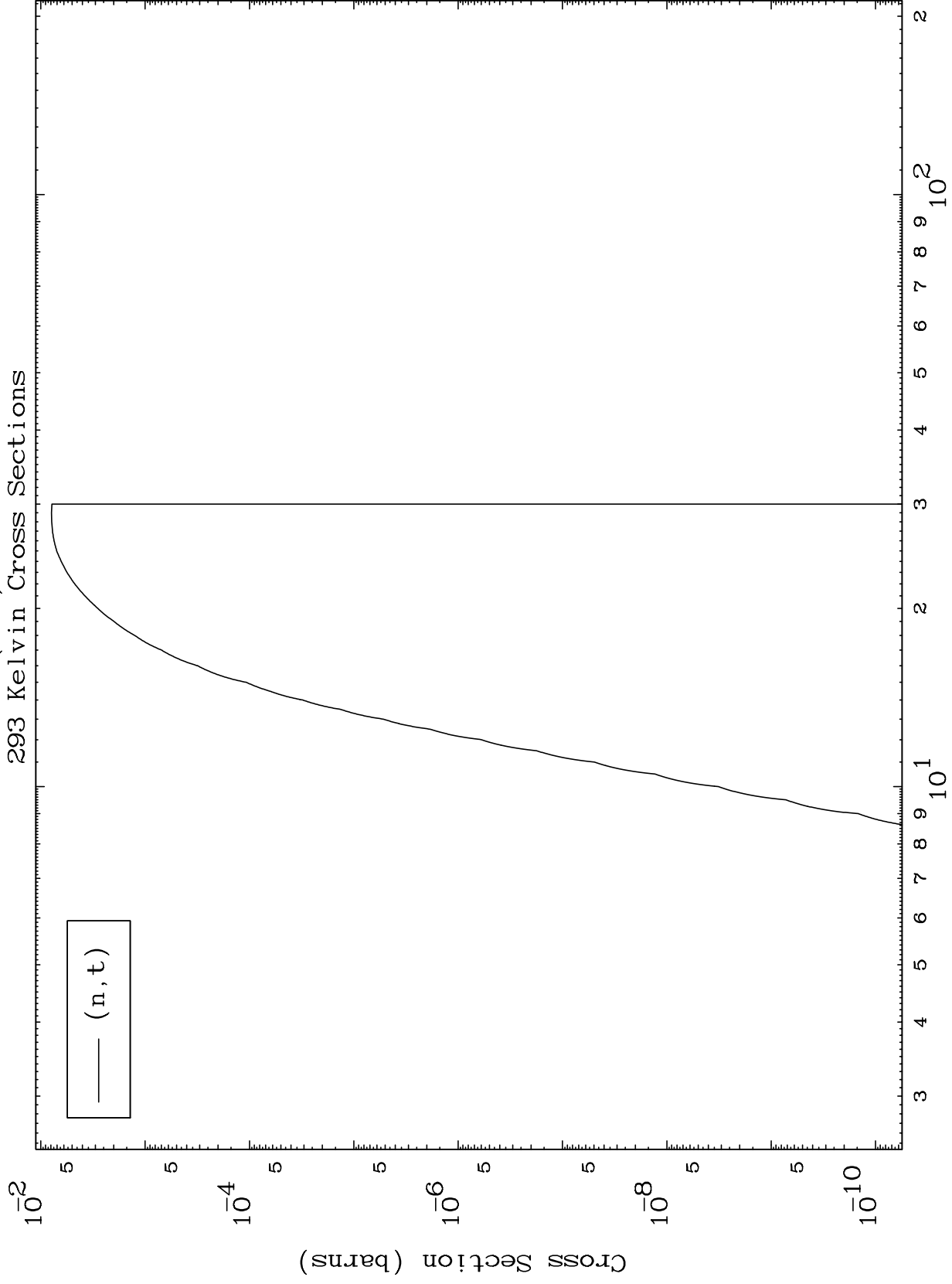
Incident Energy (MeV)

81-Tl-198

MAT 8110

(n,t) Levels
293 Kelvin Cross Sections

81-T1-198



12

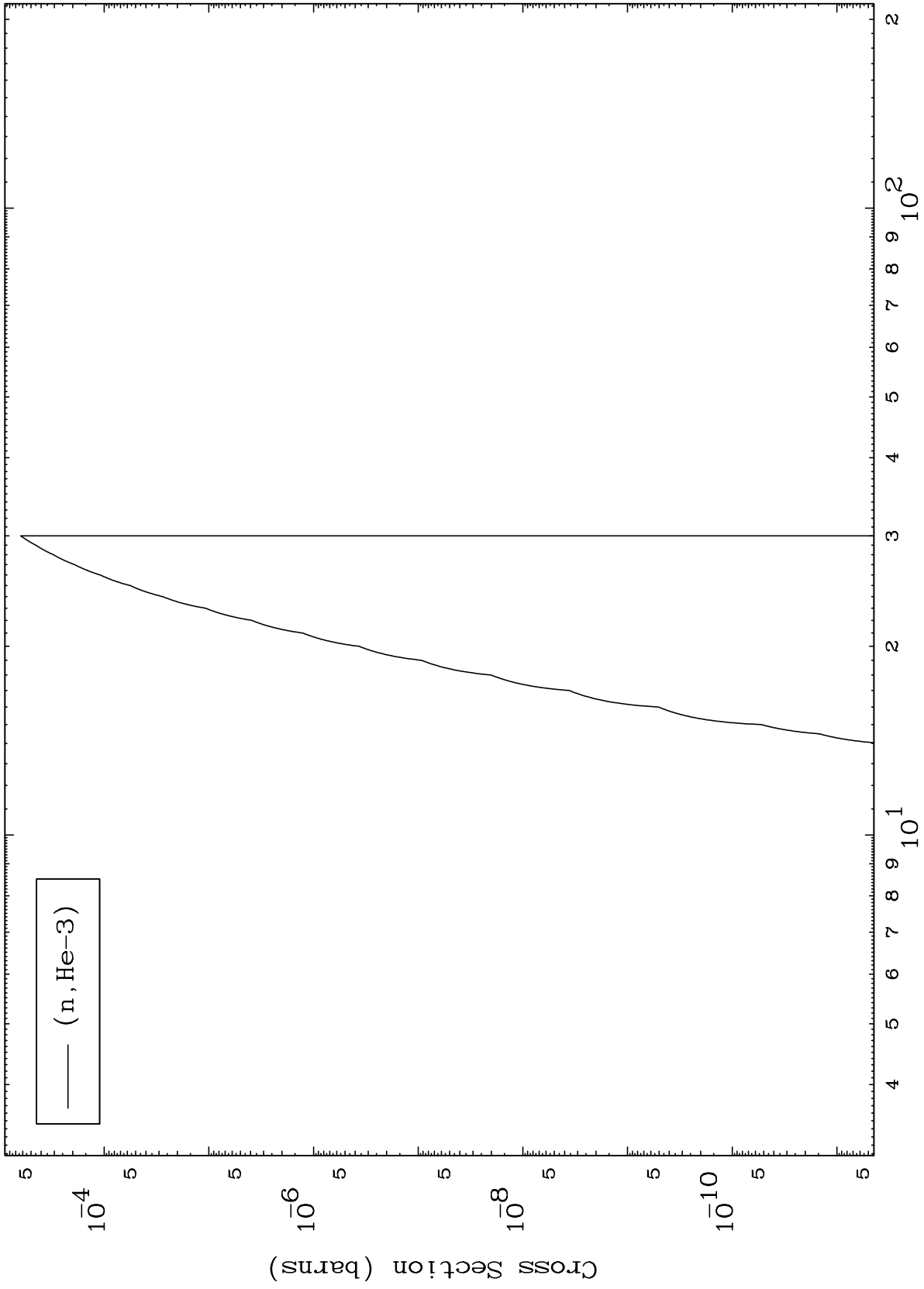
Incident Energy (MeV)

81-T1-198

MAT 8110

(n,He3) Levels
293 Kelvin Cross Sections

81-T1-198



13

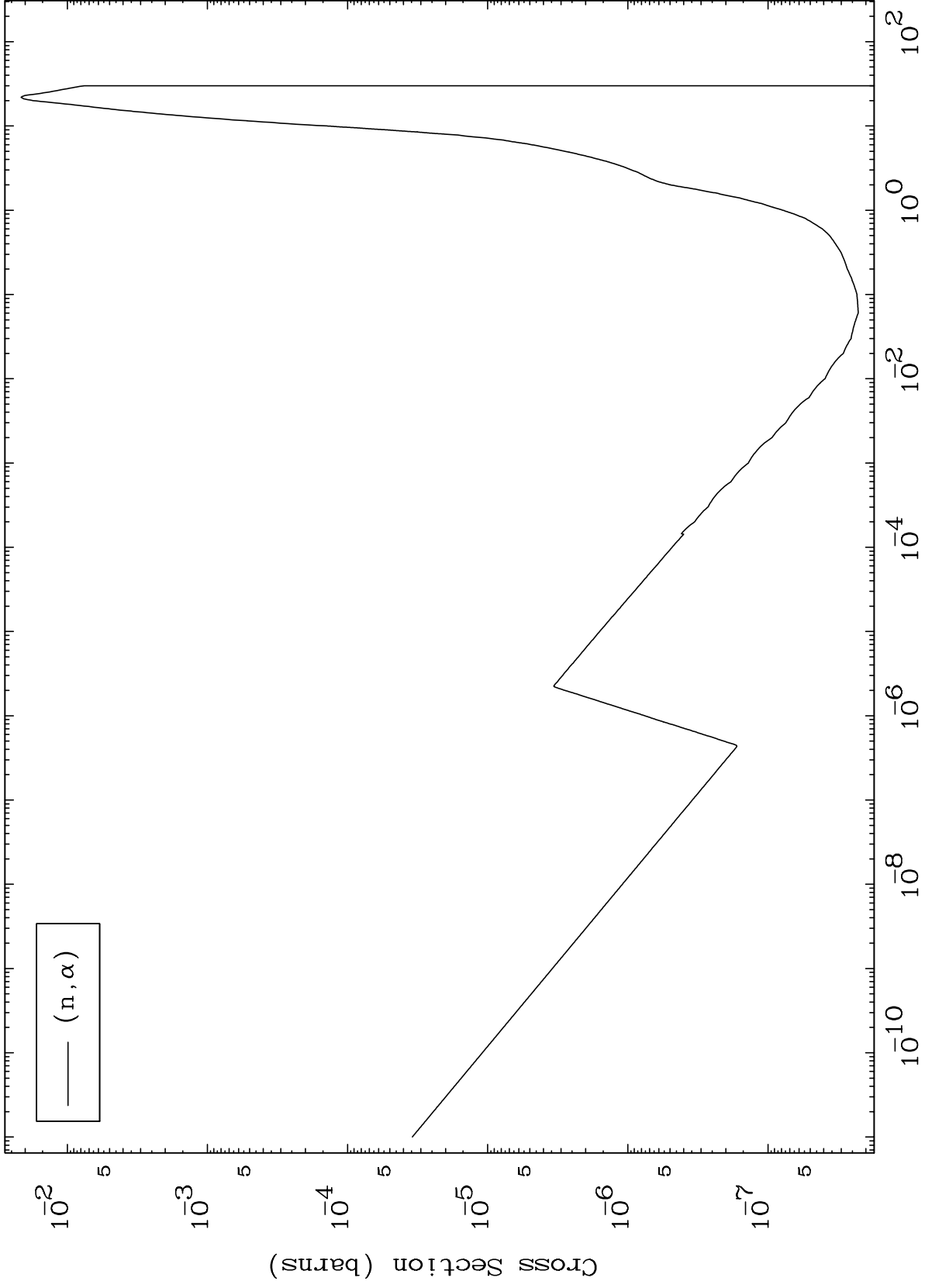
Incident Energy (MeV)

81-T1-198

MAT 8110

(n, α) Levels
293 Kelvin Cross Sections

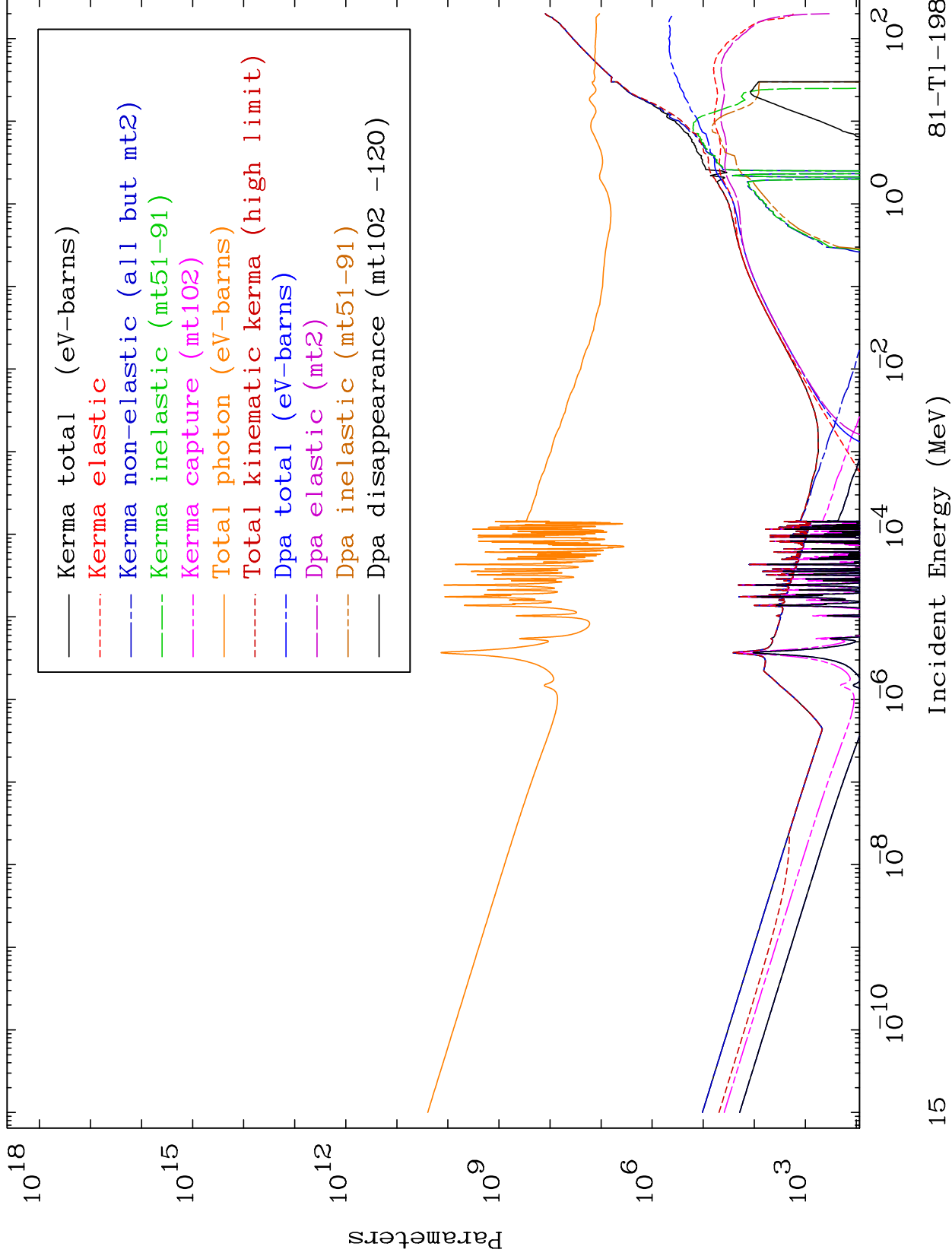
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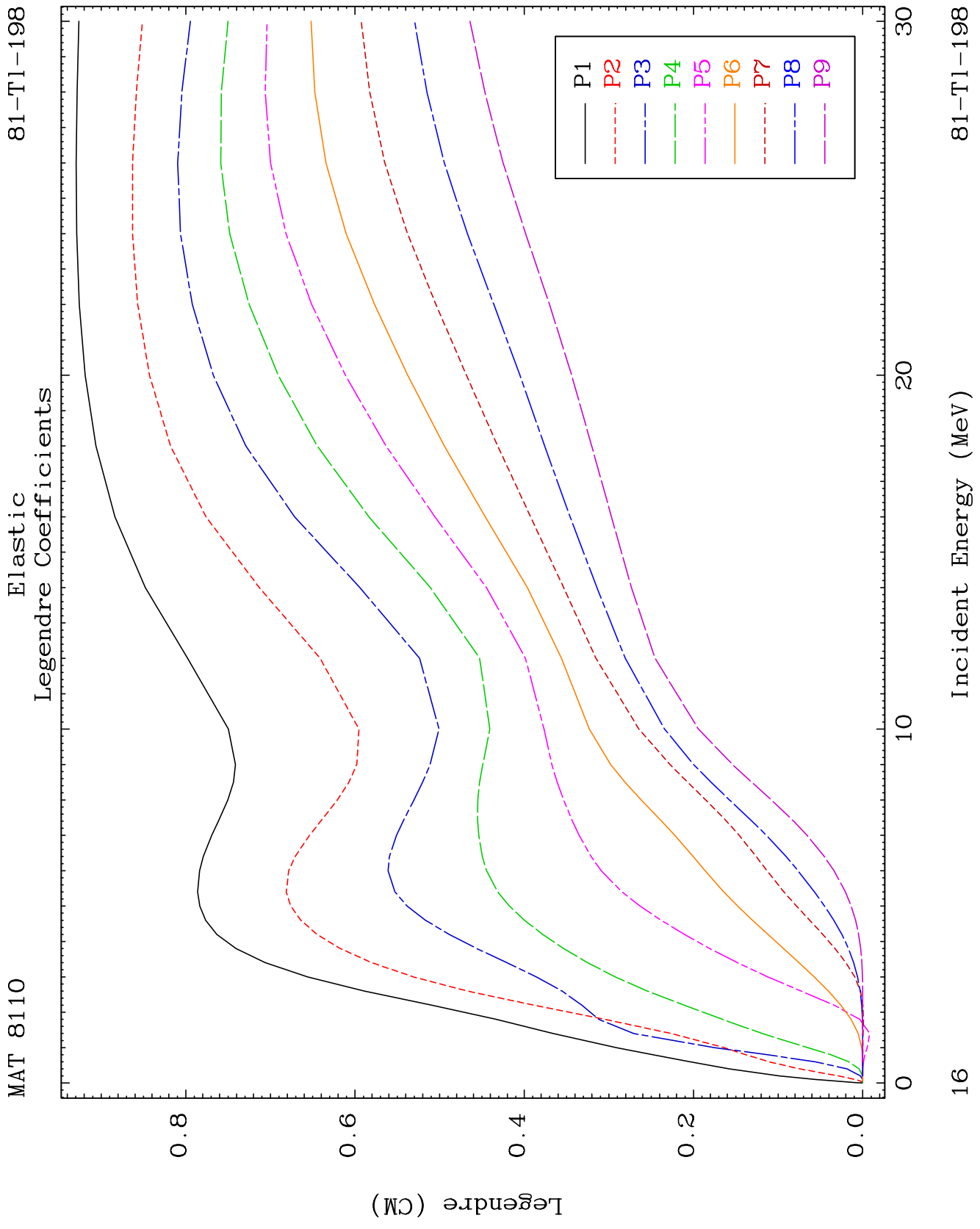


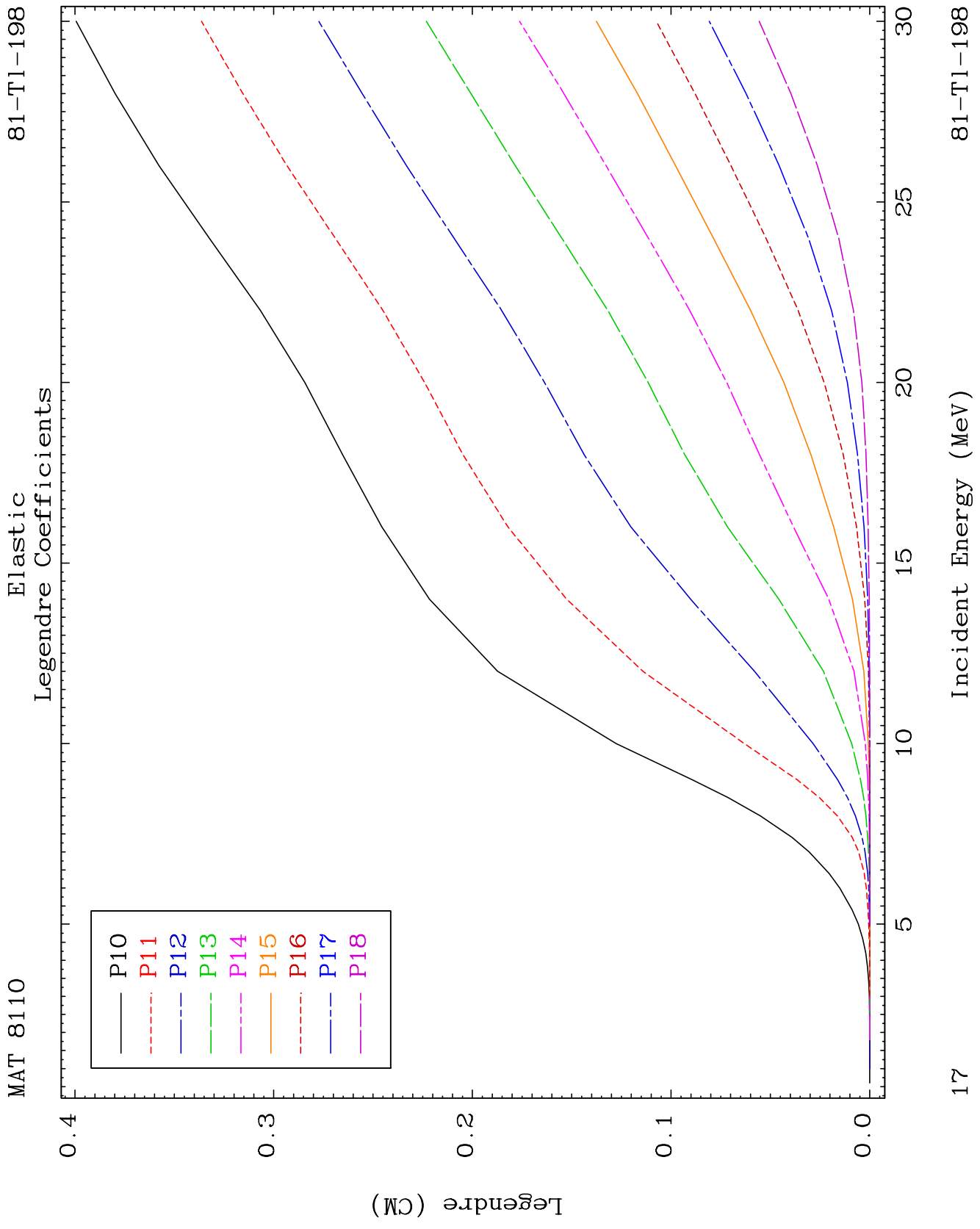
14

Incident Energy (MeV)

81-Tl-198



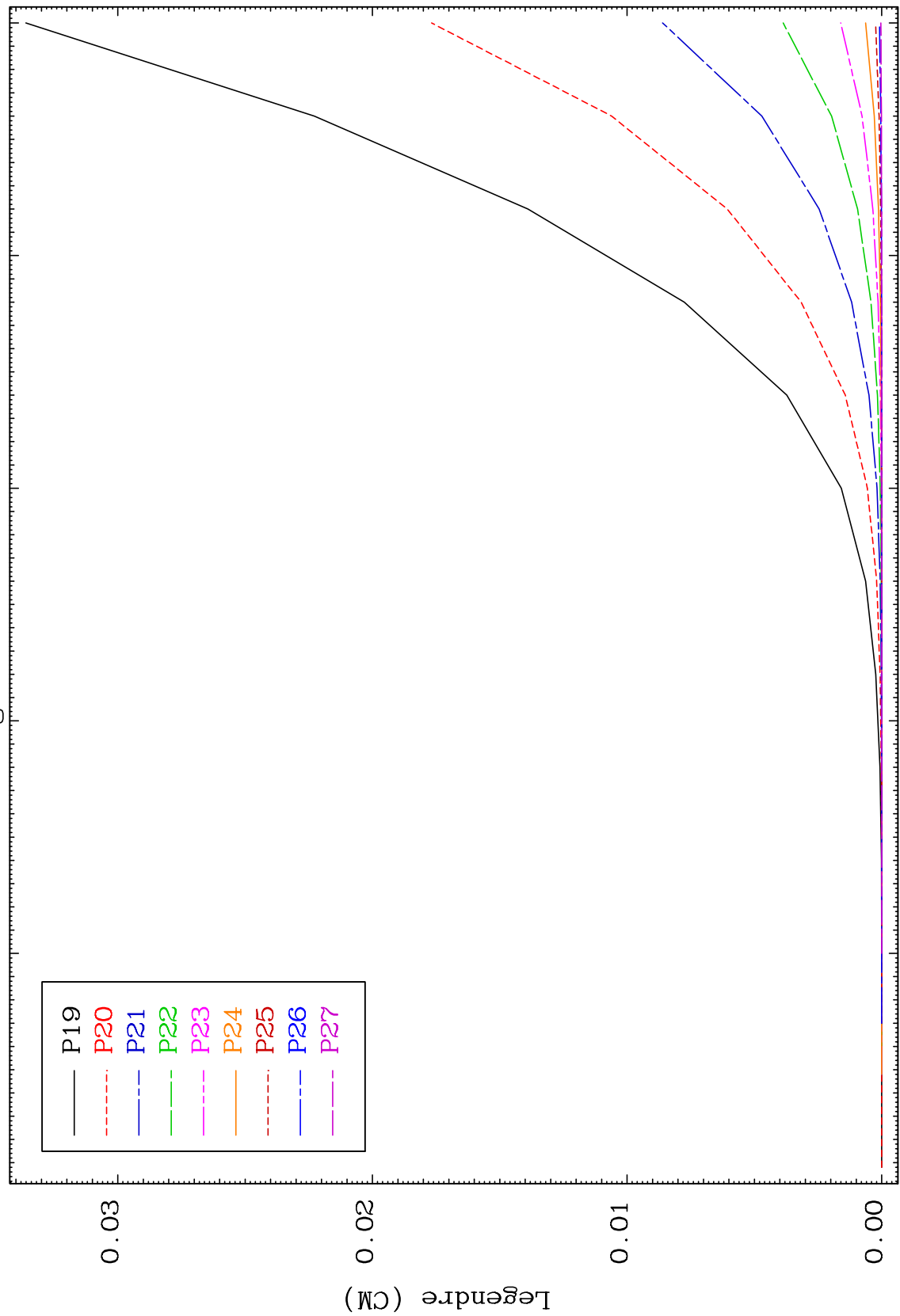




MAT 8110

Elastic Legendre Coefficients

81-T1-198



18

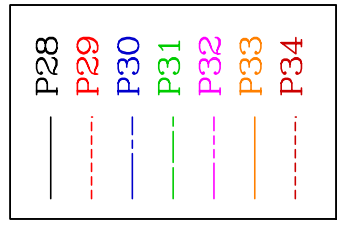
Incident Energy (MeV)

81-T1-198

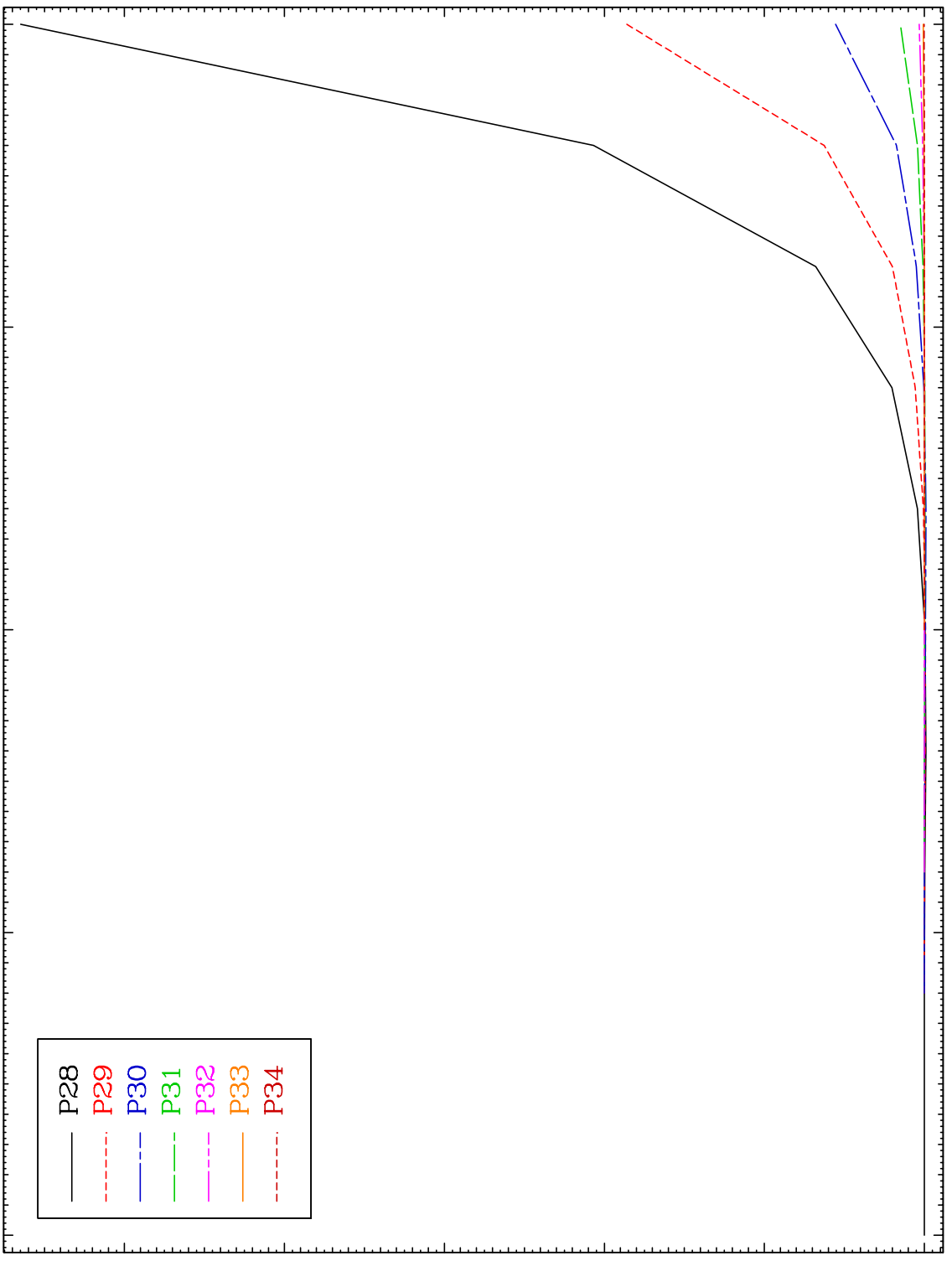
MAT 8110

Elastic Legendre Coefficients

81-T1-198



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



30

25

20

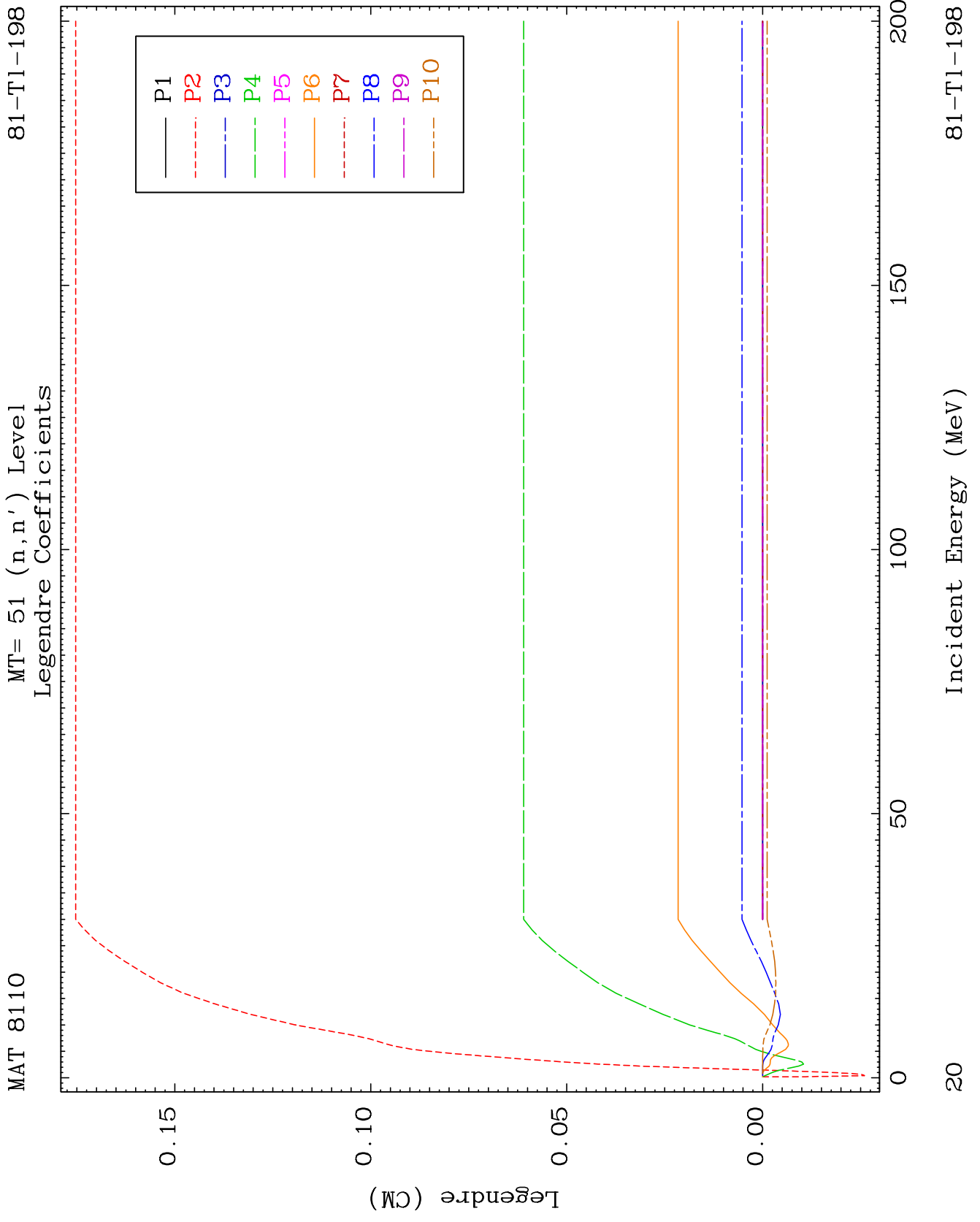
15

10

Incident Energy (MeV)

81-T1-198

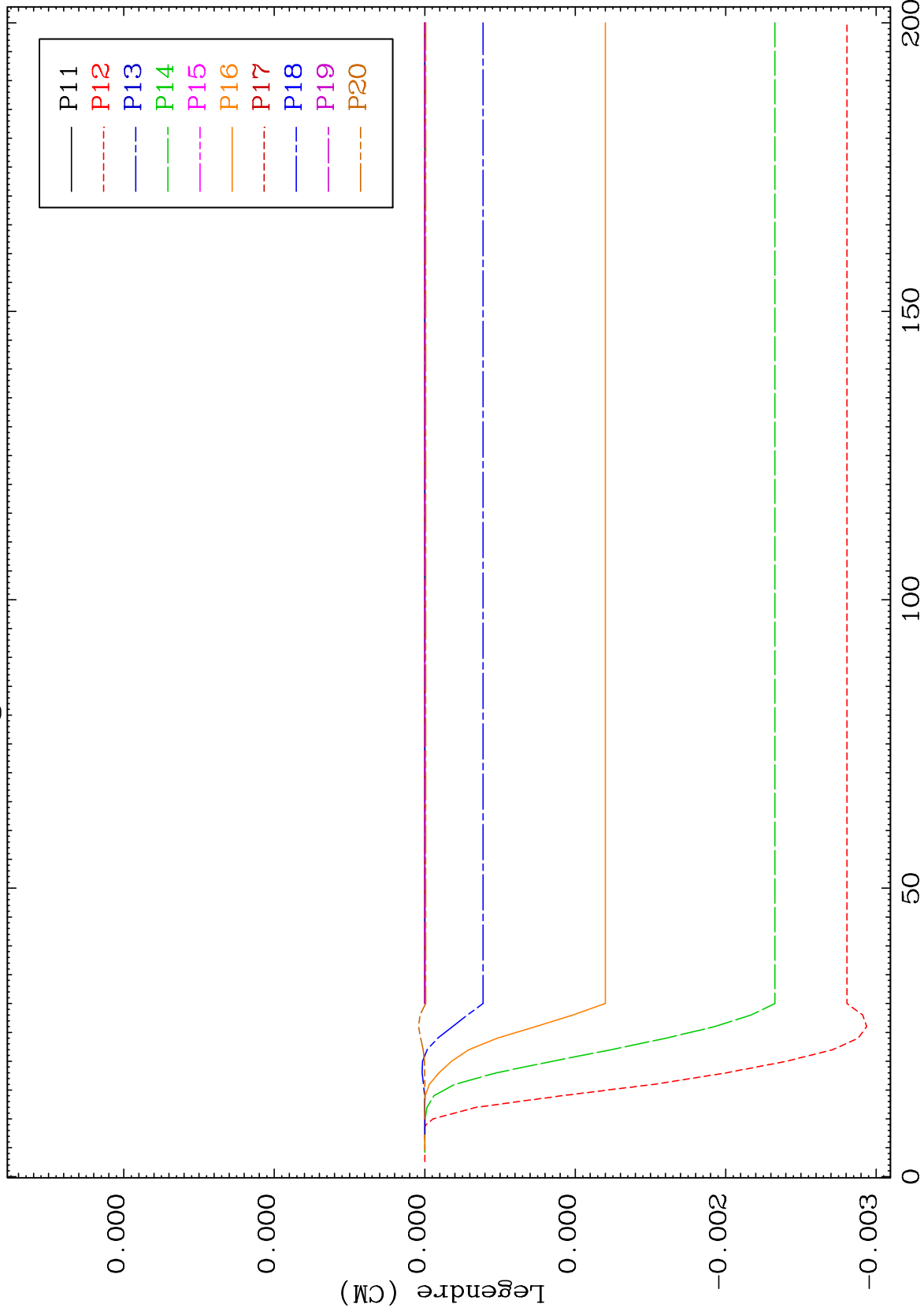
19



MAT 8110

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

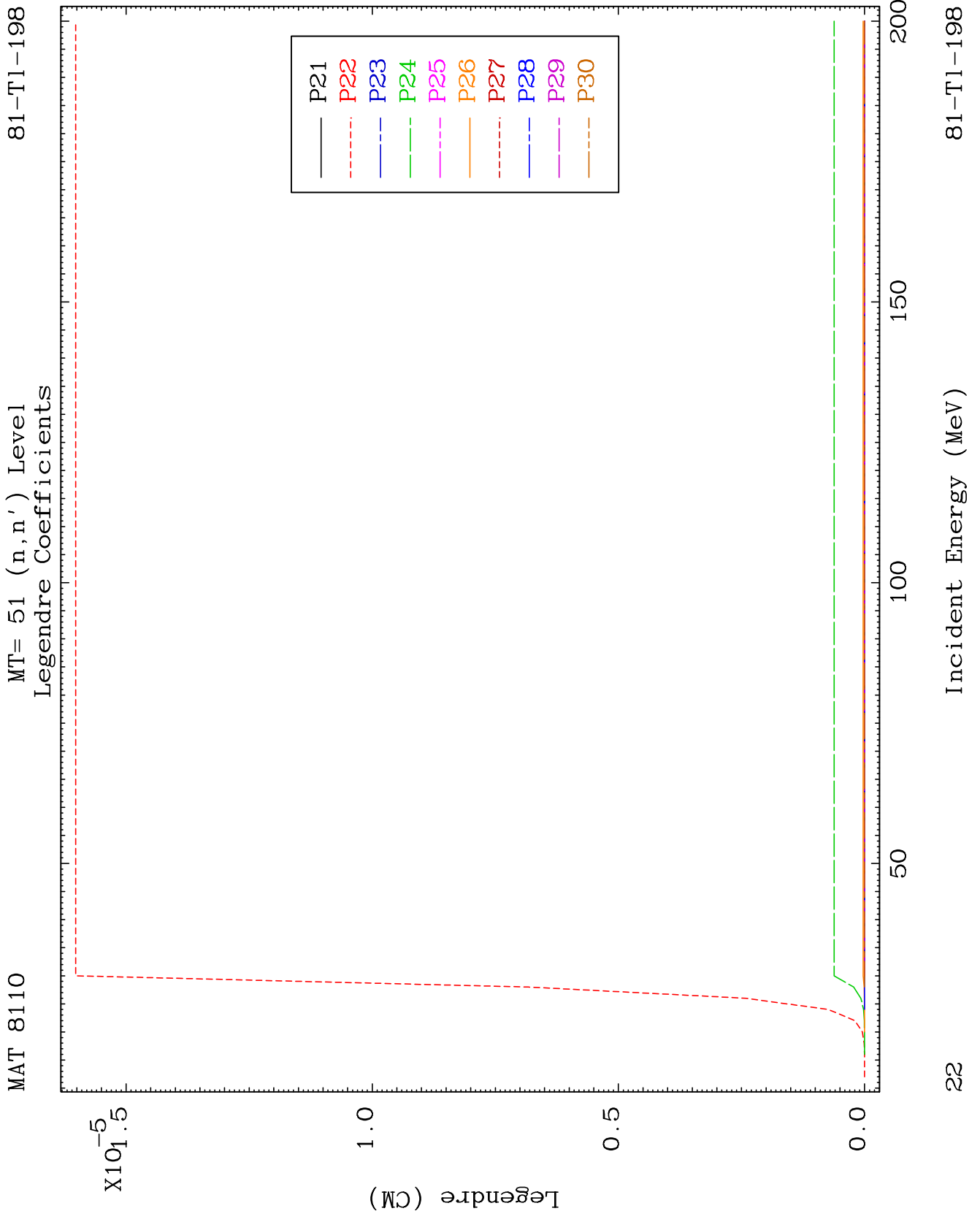
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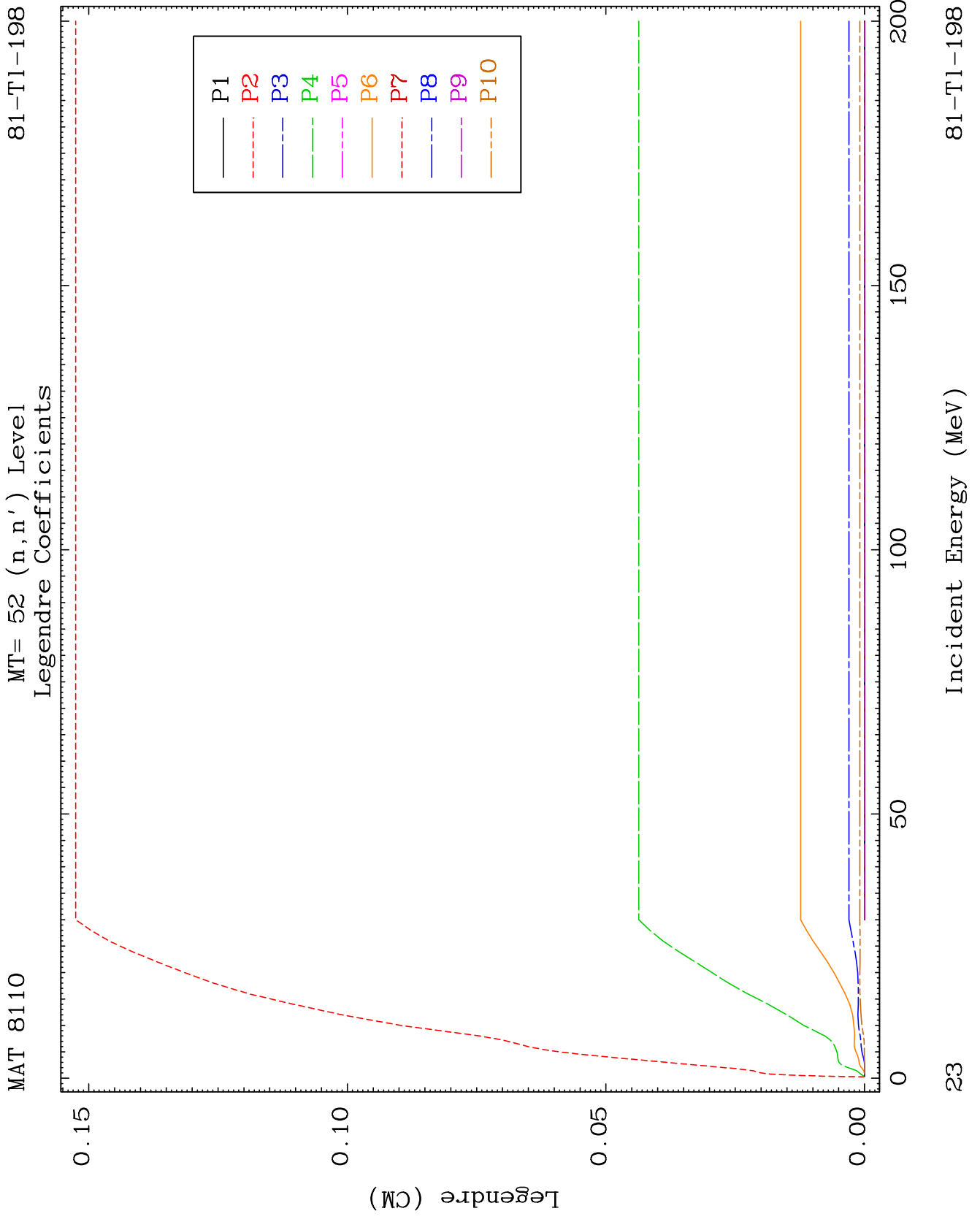


21

Incident Energy (MeV)

81-T1-198

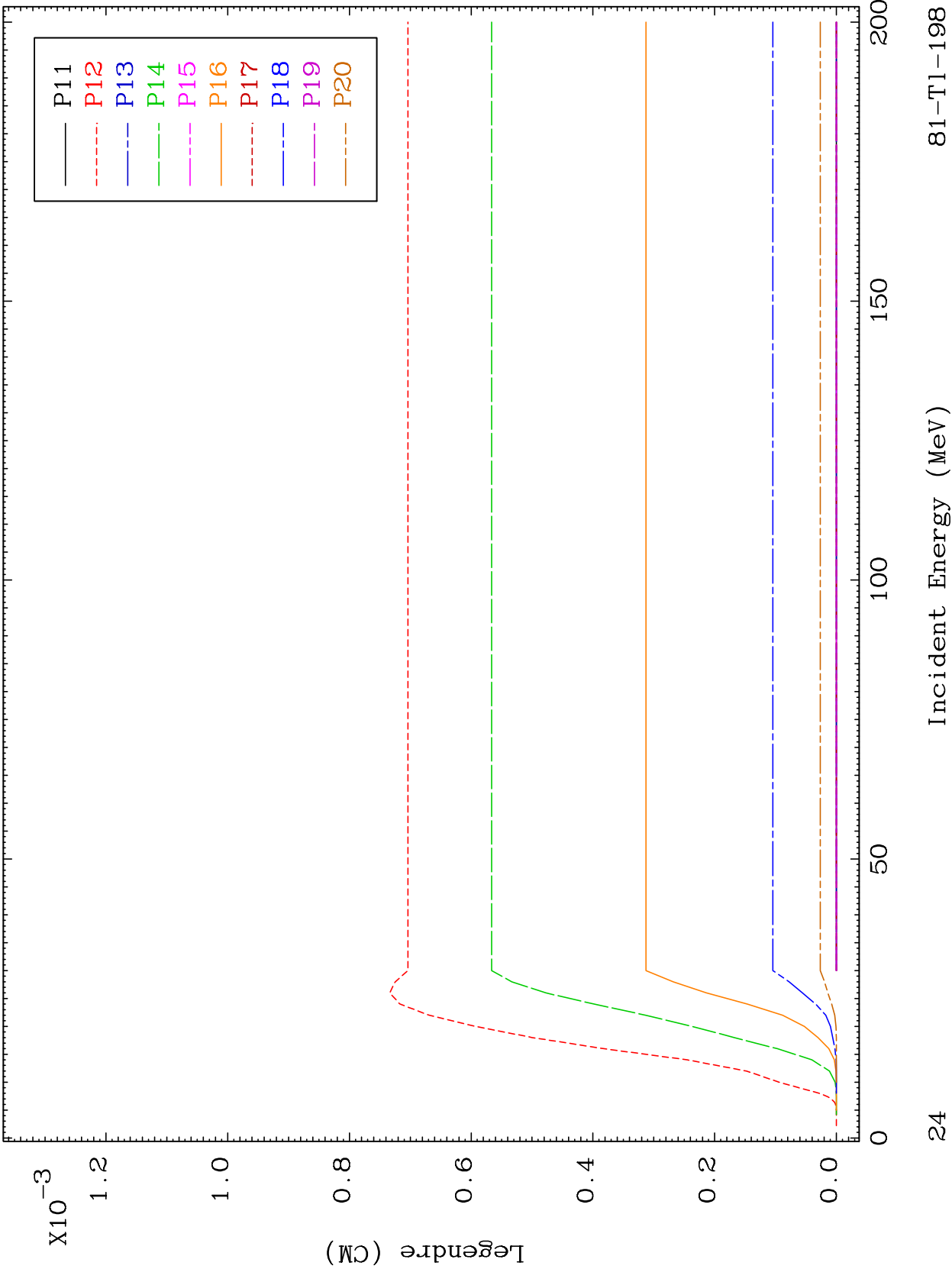




MAT 8110

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

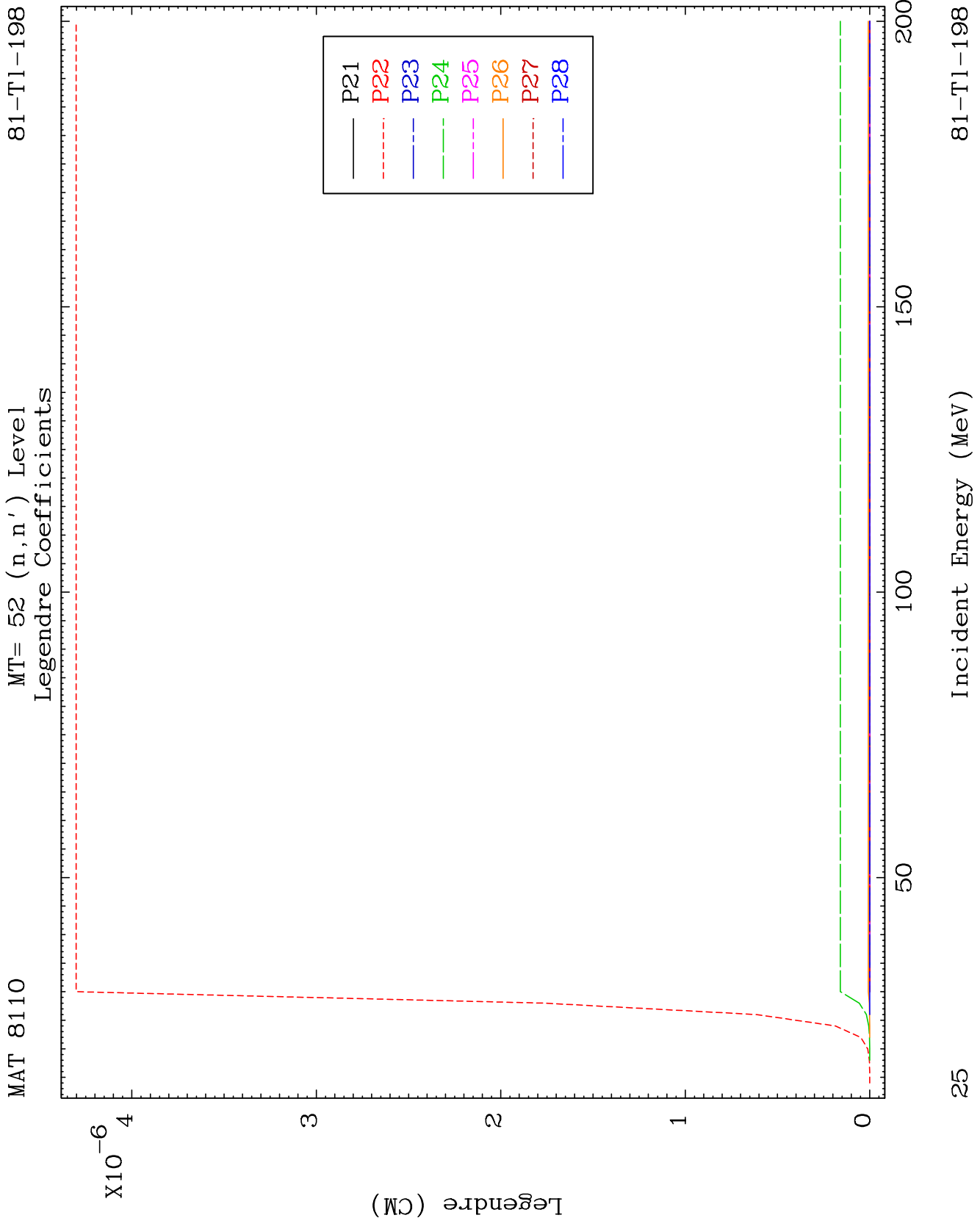
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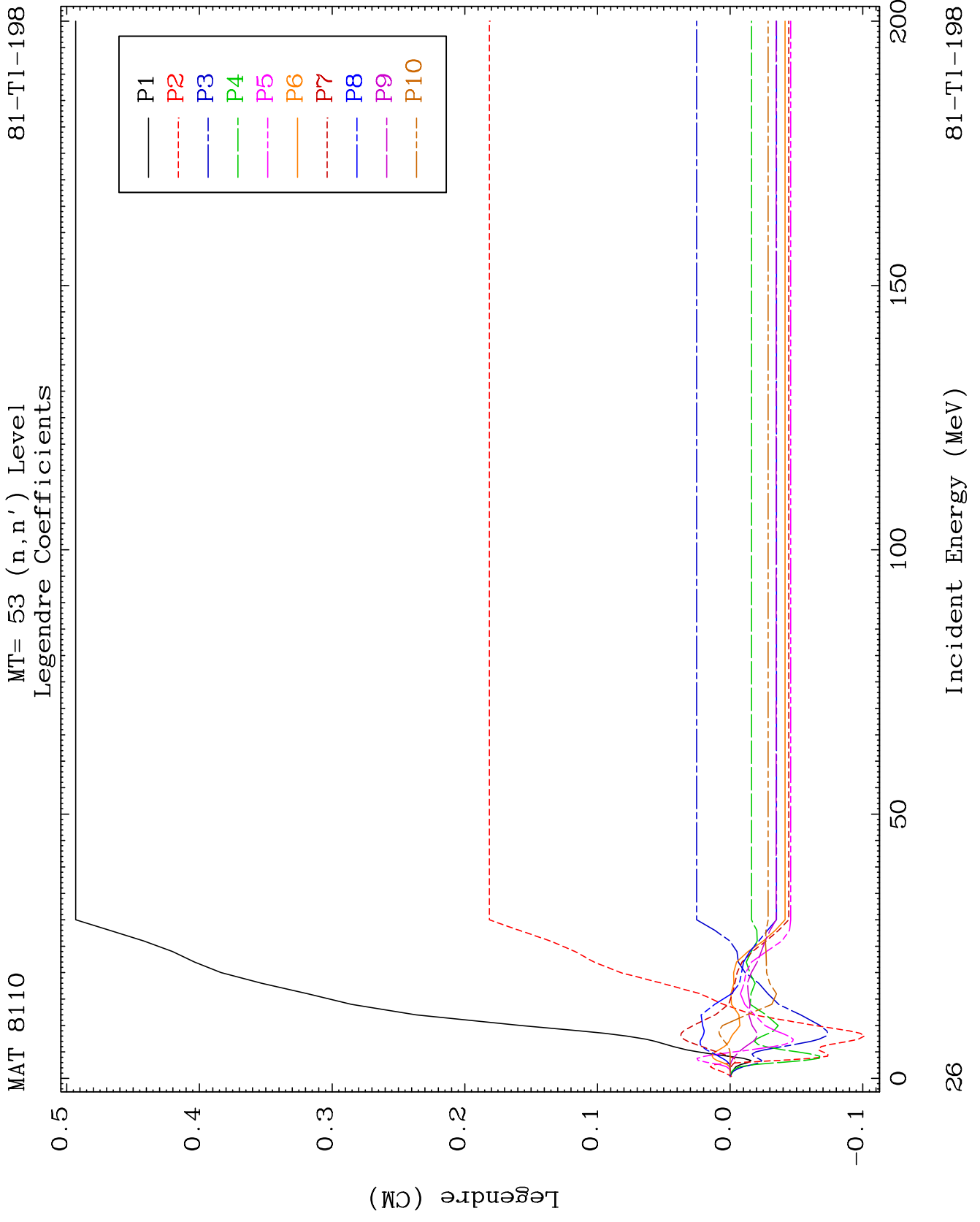


24

Incident Energy (MeV)

81-T1-198

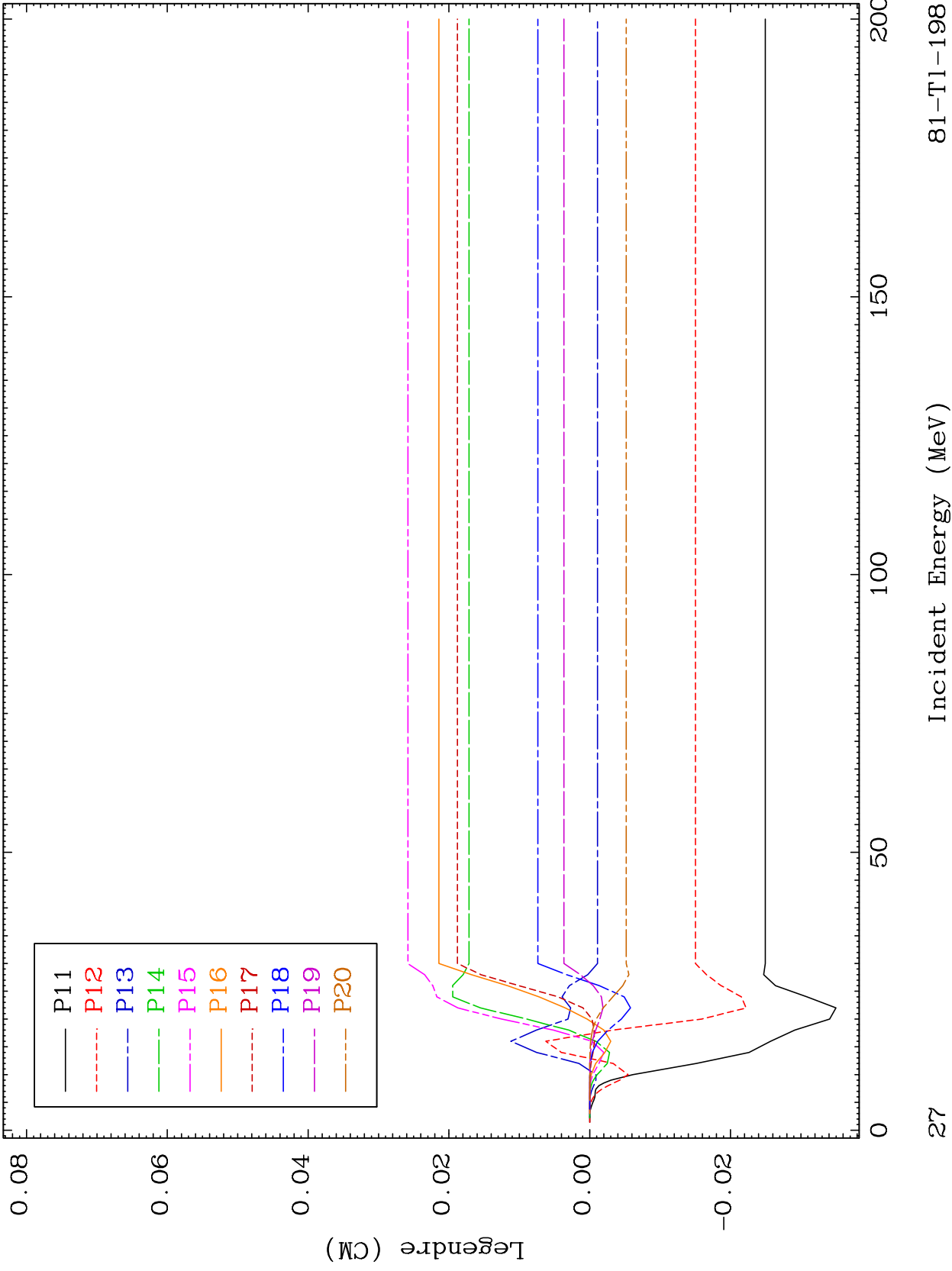




MAT 8110

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

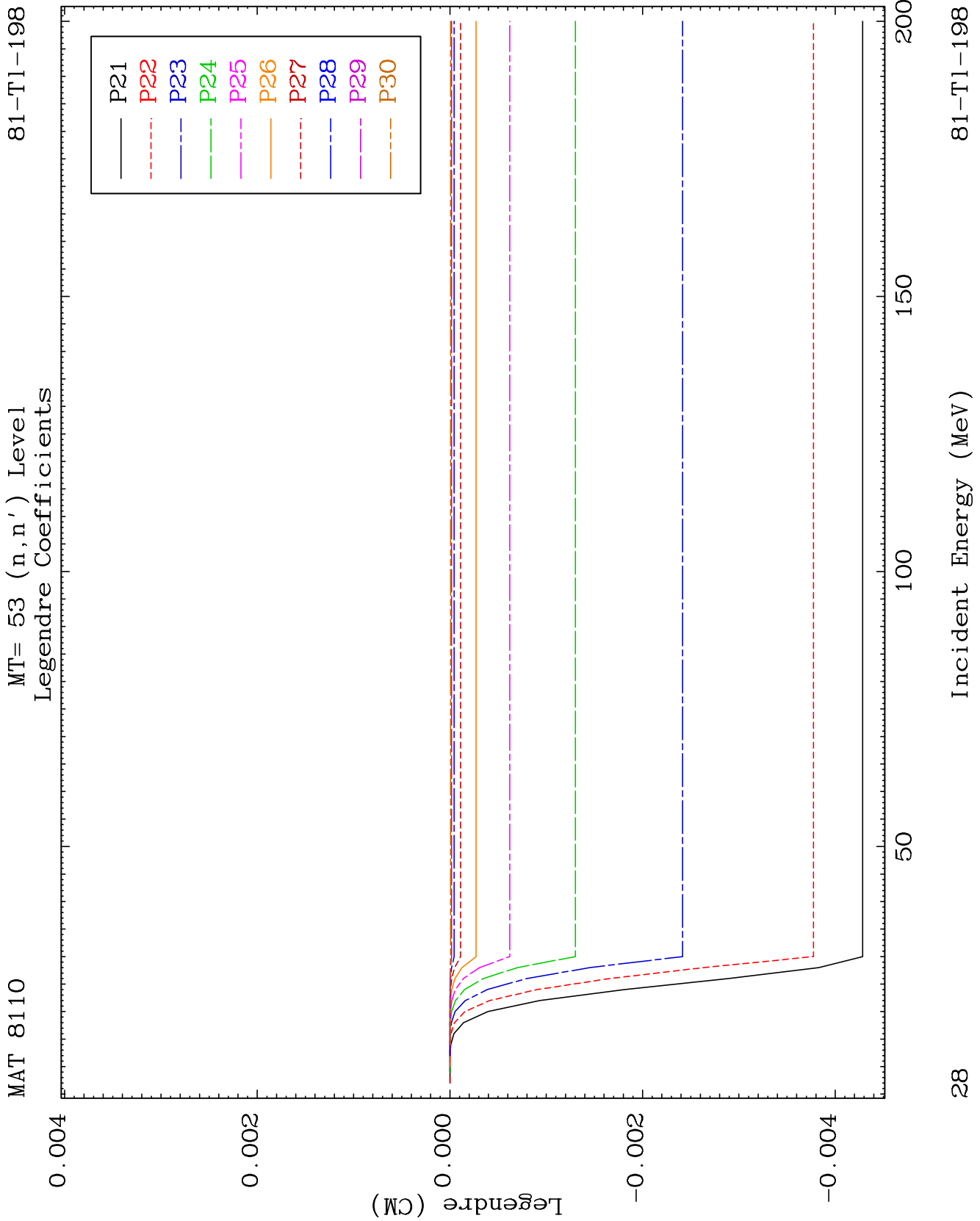
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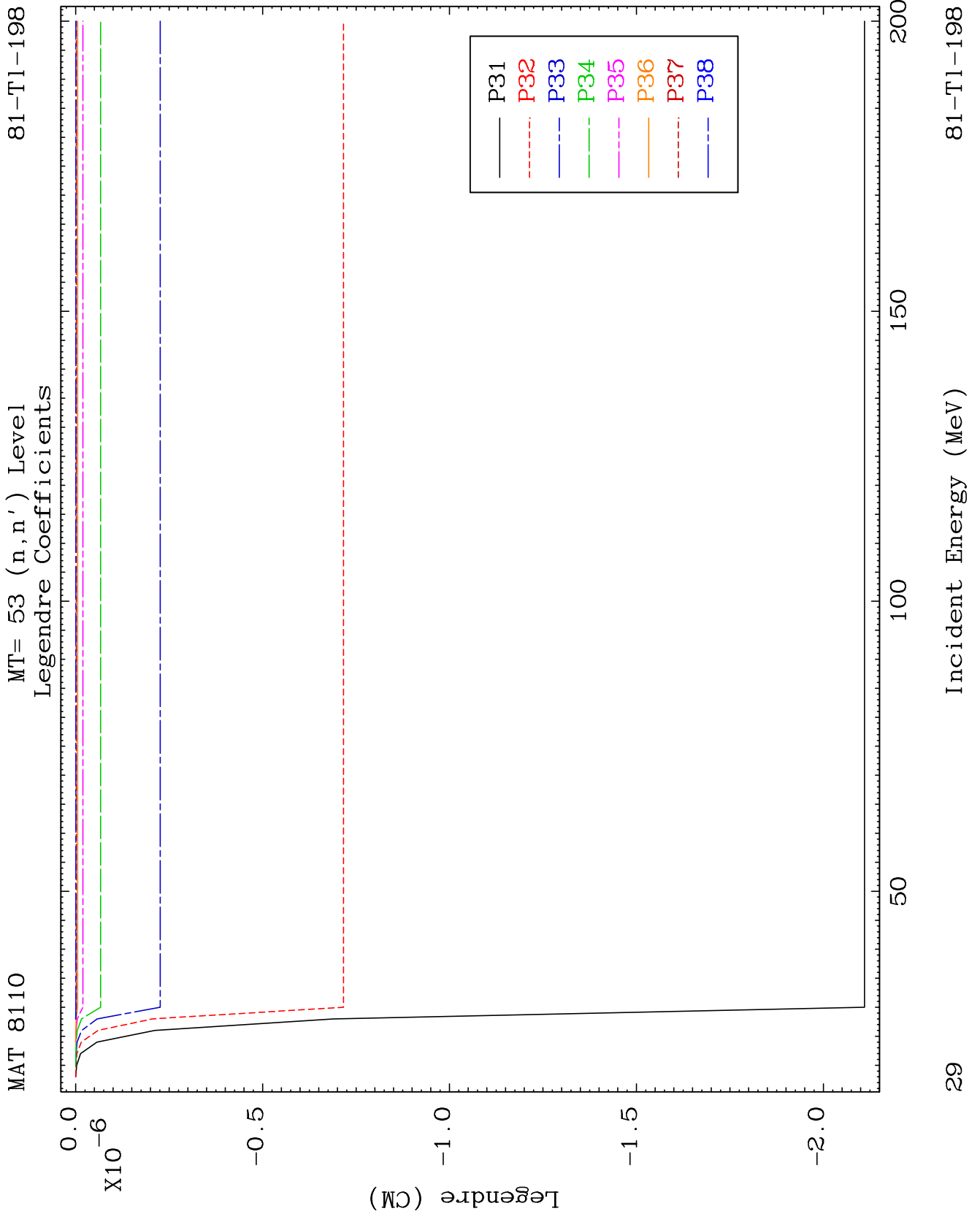


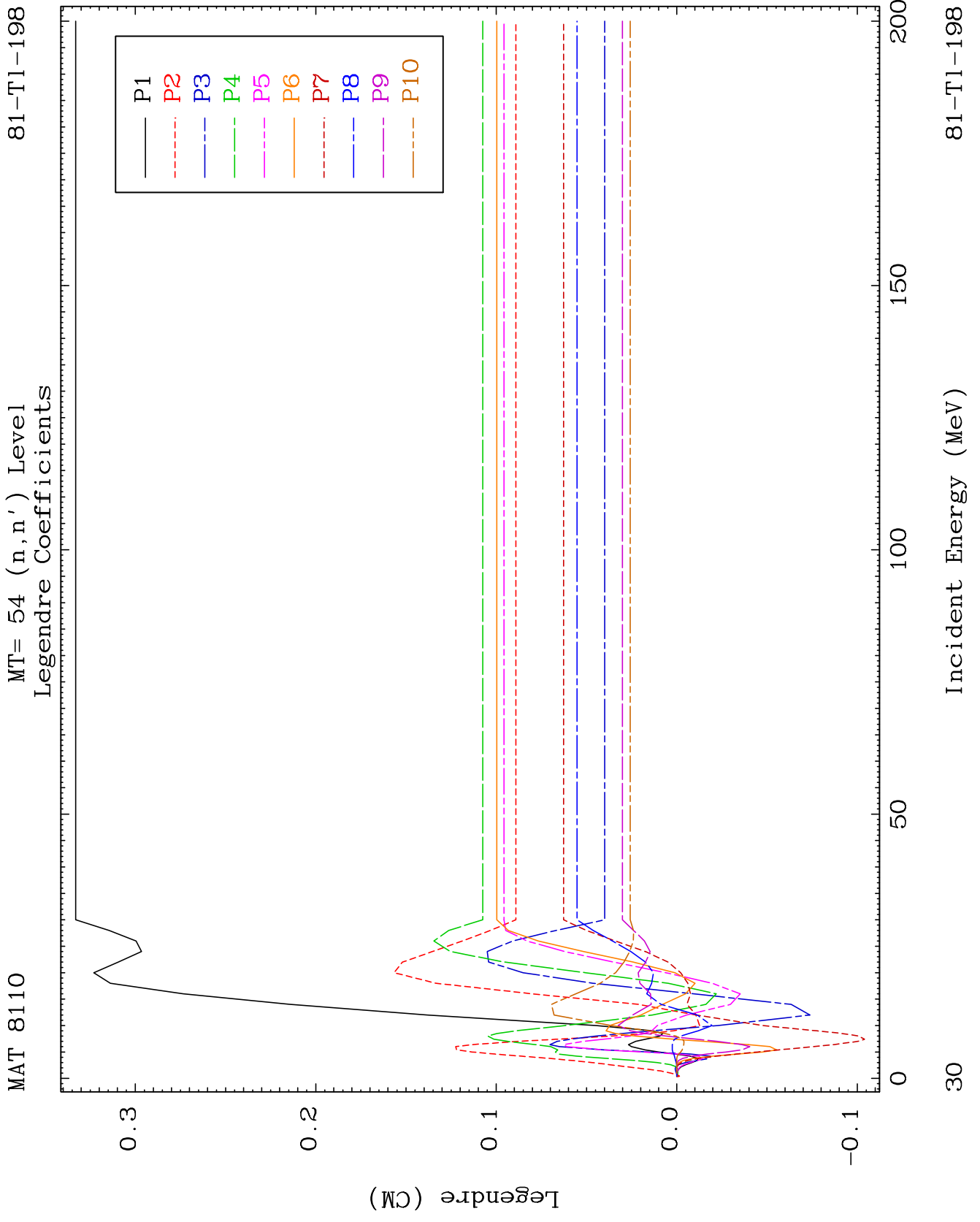
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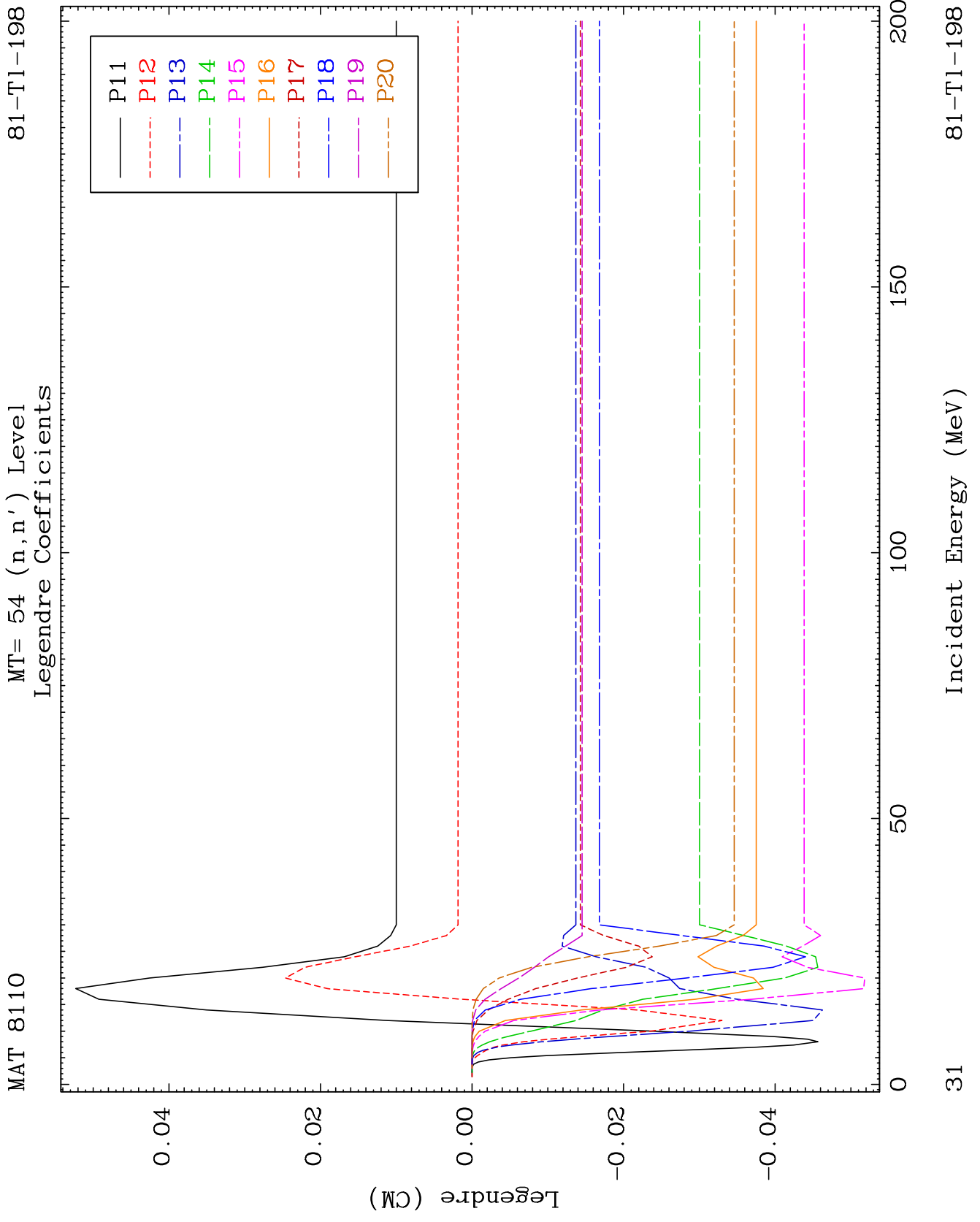
Incident Energy (MeV)

81-T1-198





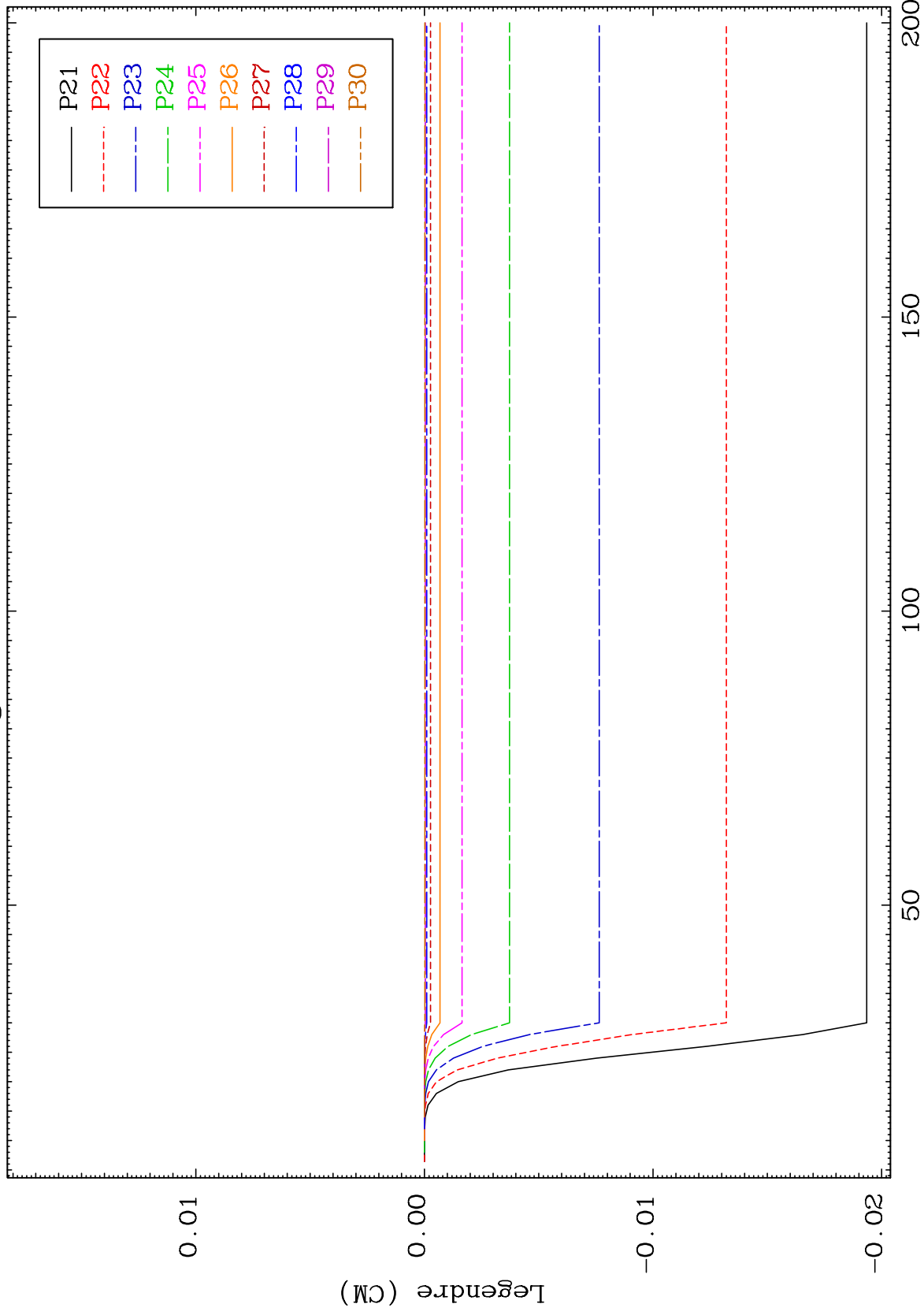




MAT 8110

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

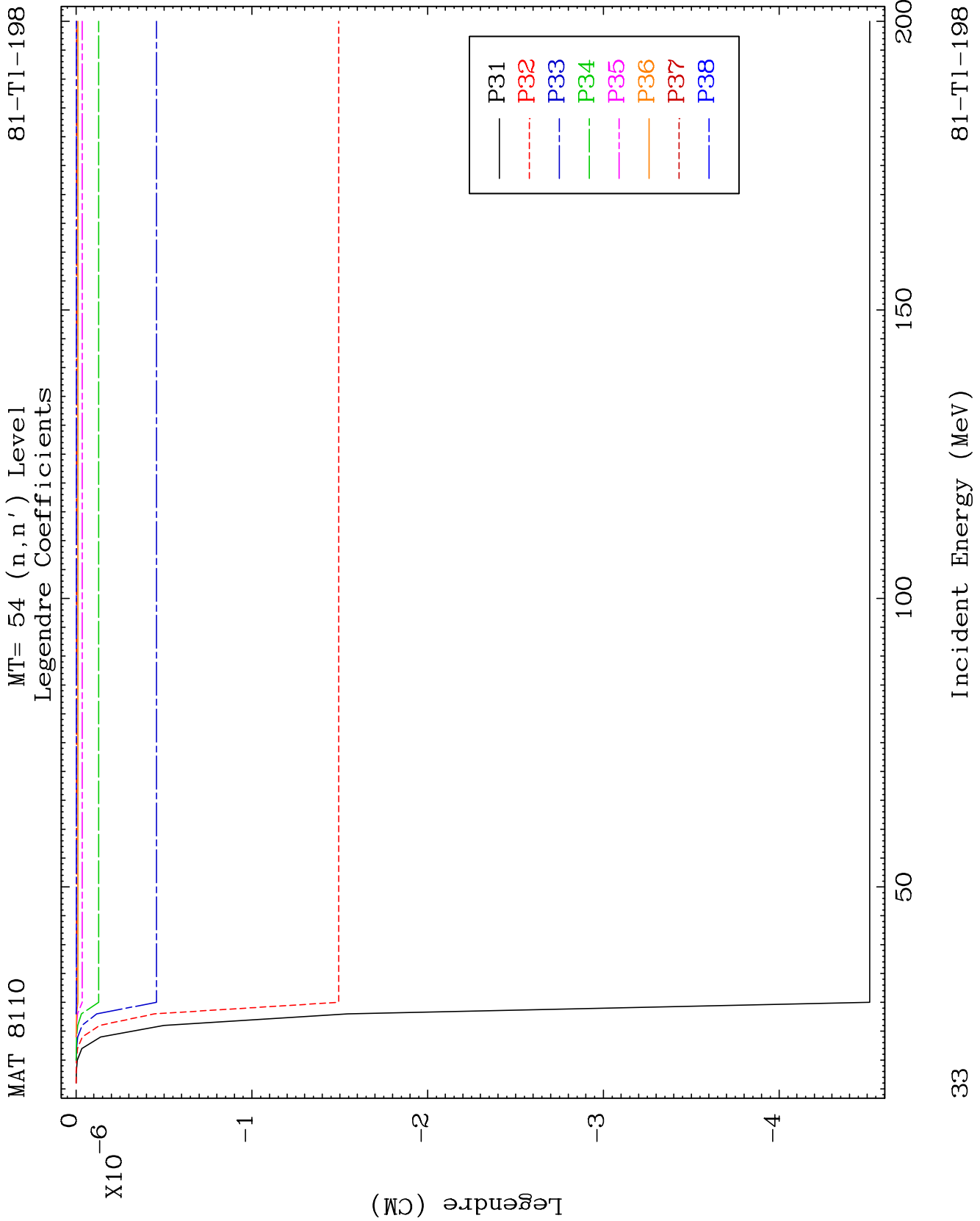
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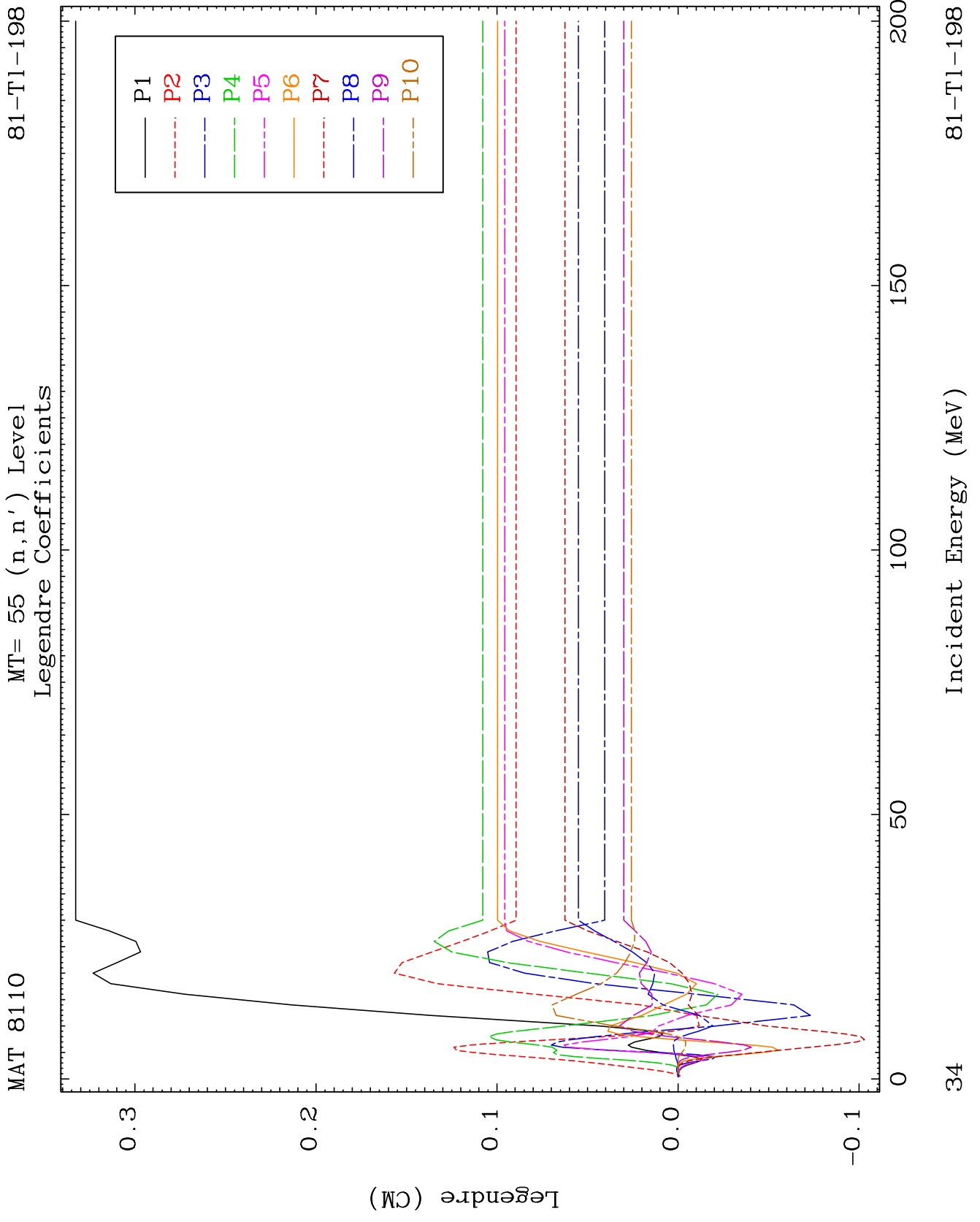


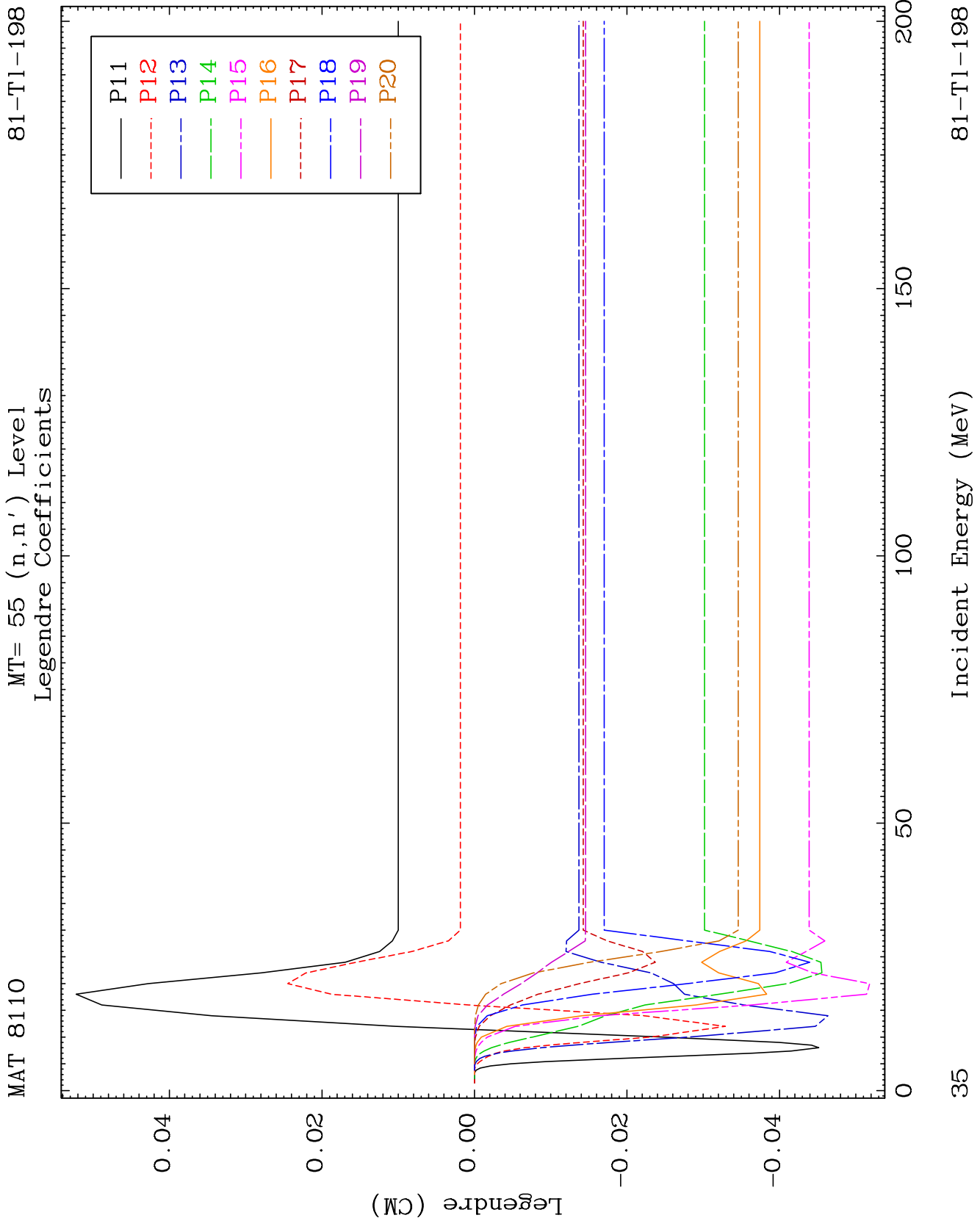
32

Incident Energy (MeV)

81-T1-198



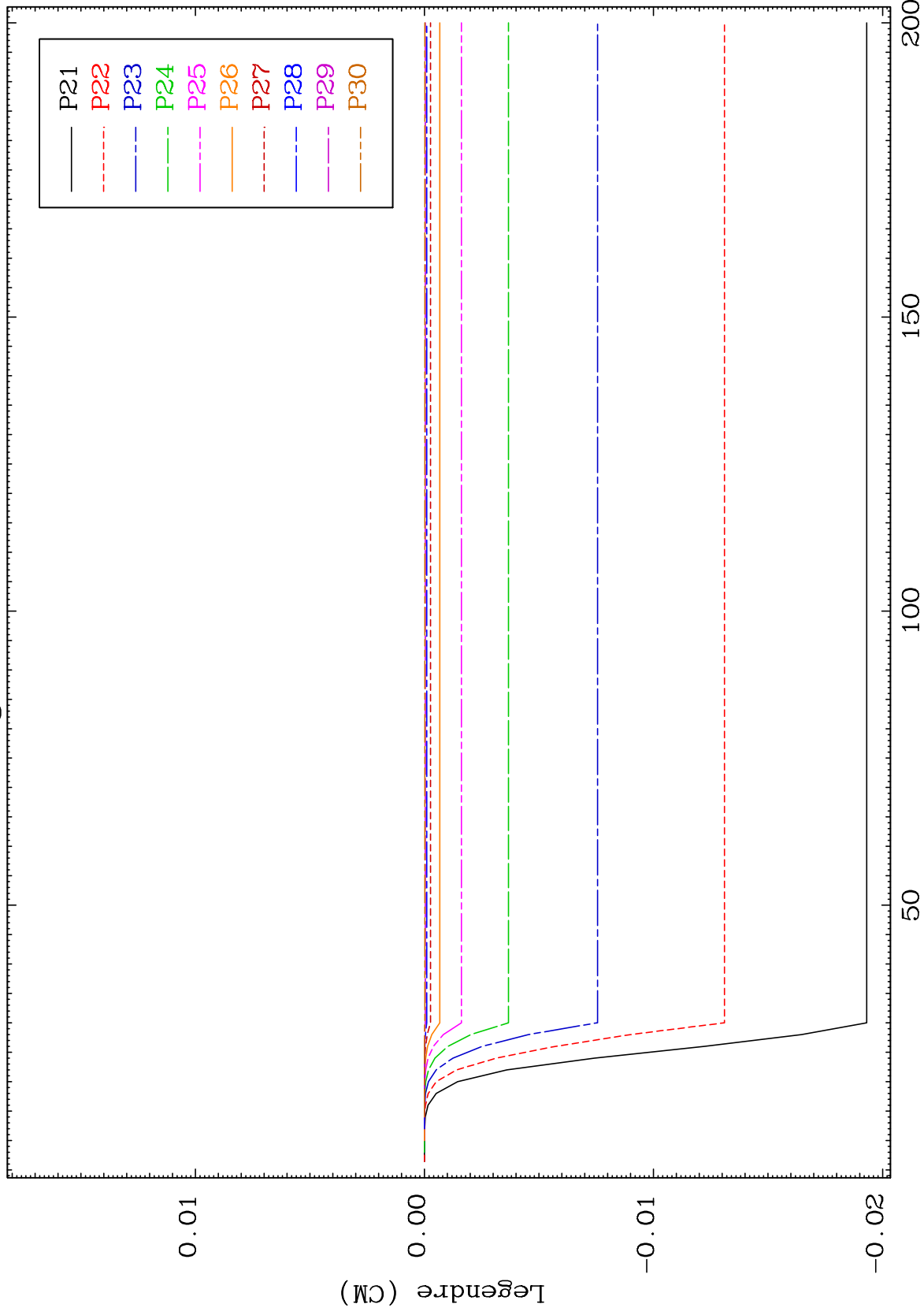




MAT 8110

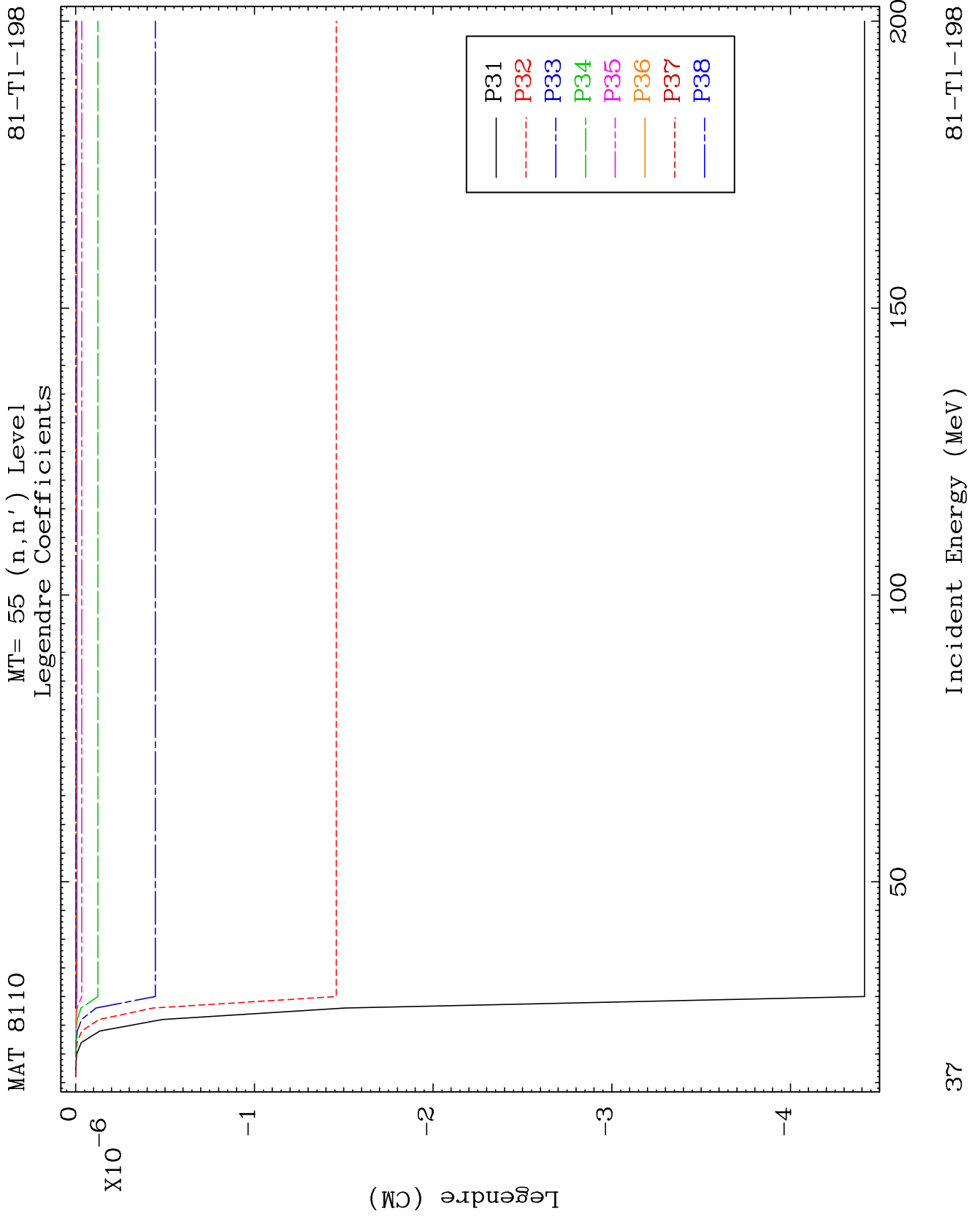
MT= 55 (n,n') Level
Legendre Coefficients

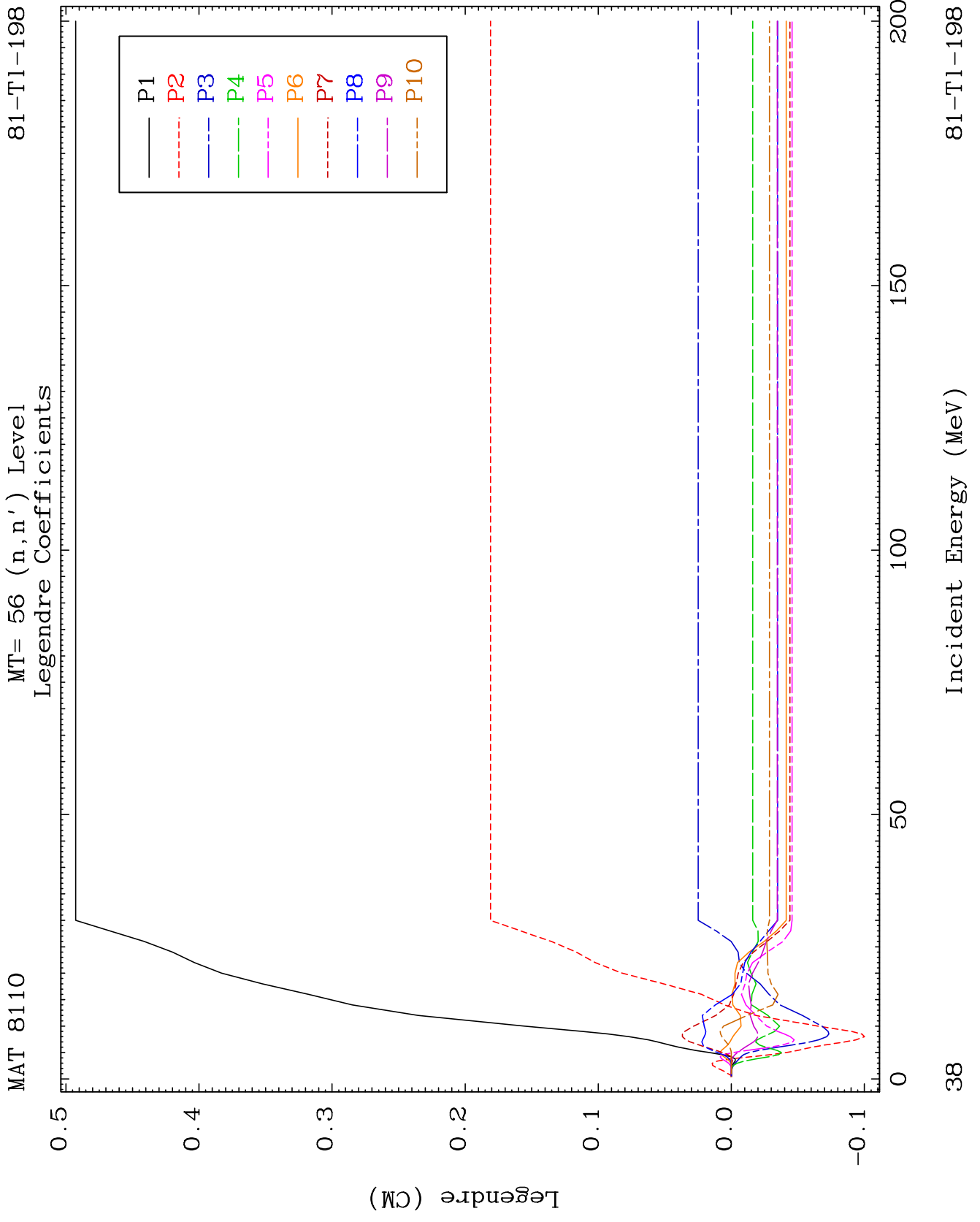
81-T1-198



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81-T1-198

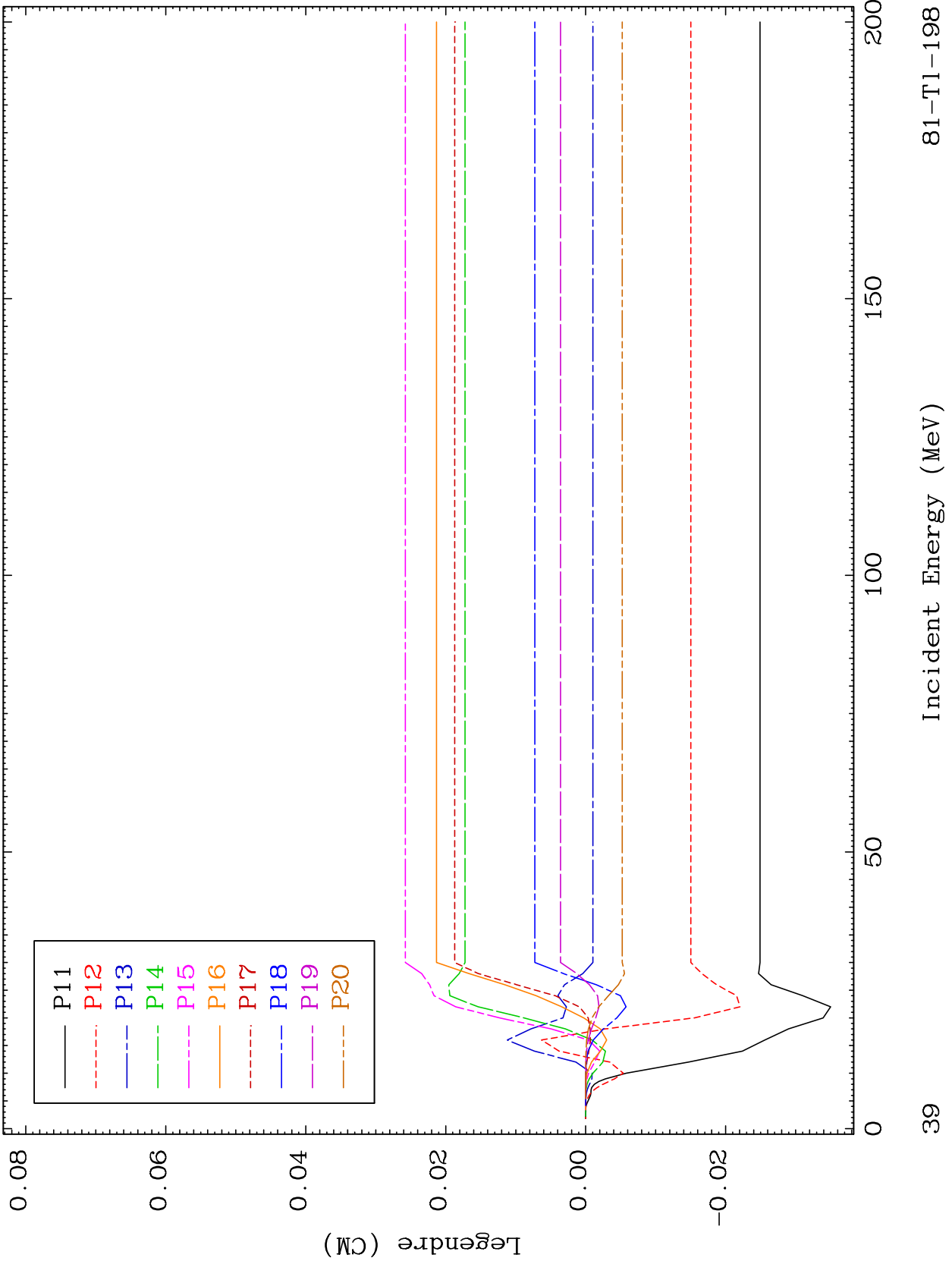




MAT 8110

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

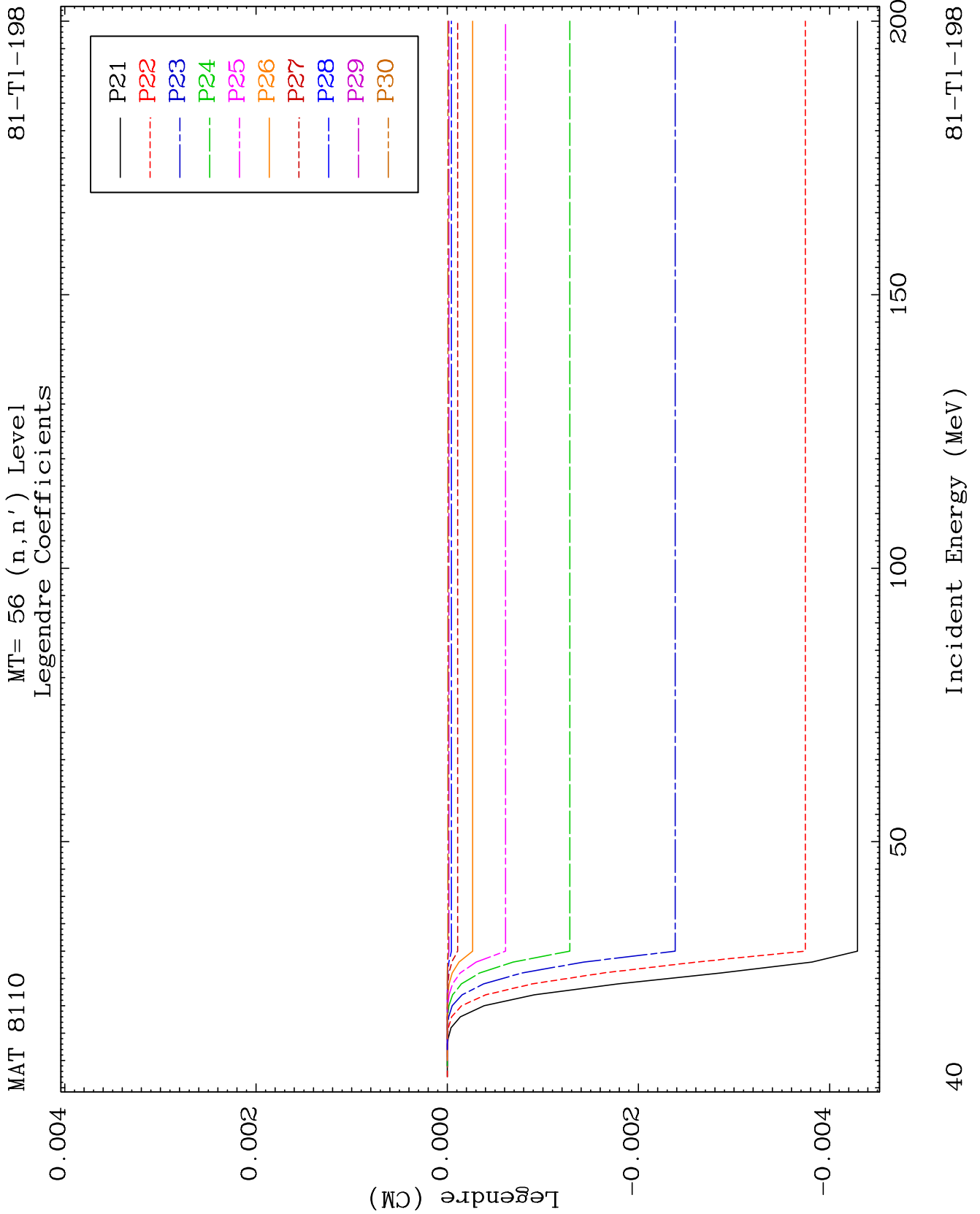
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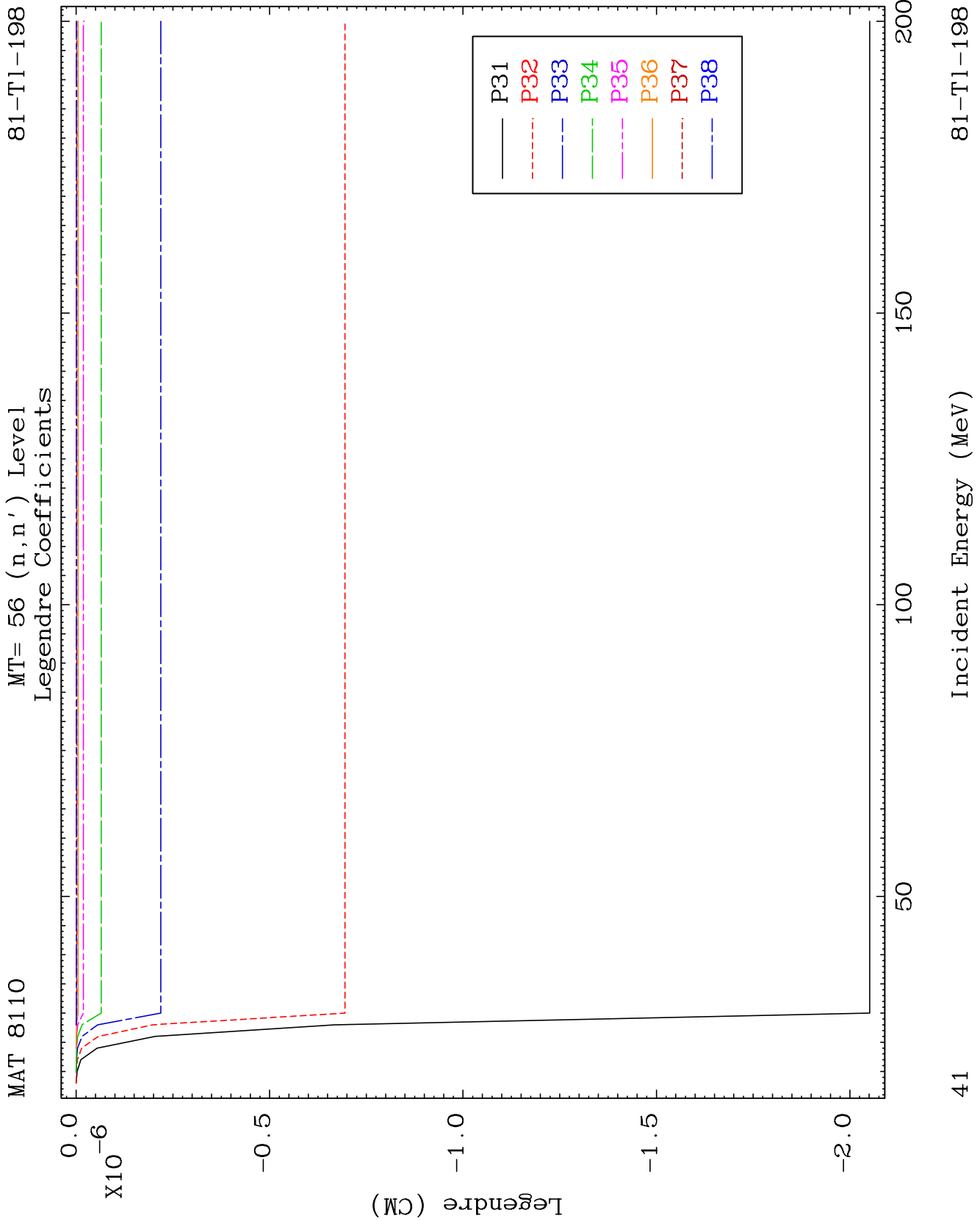


39

Incident Energy (MeV)

81-T1-198

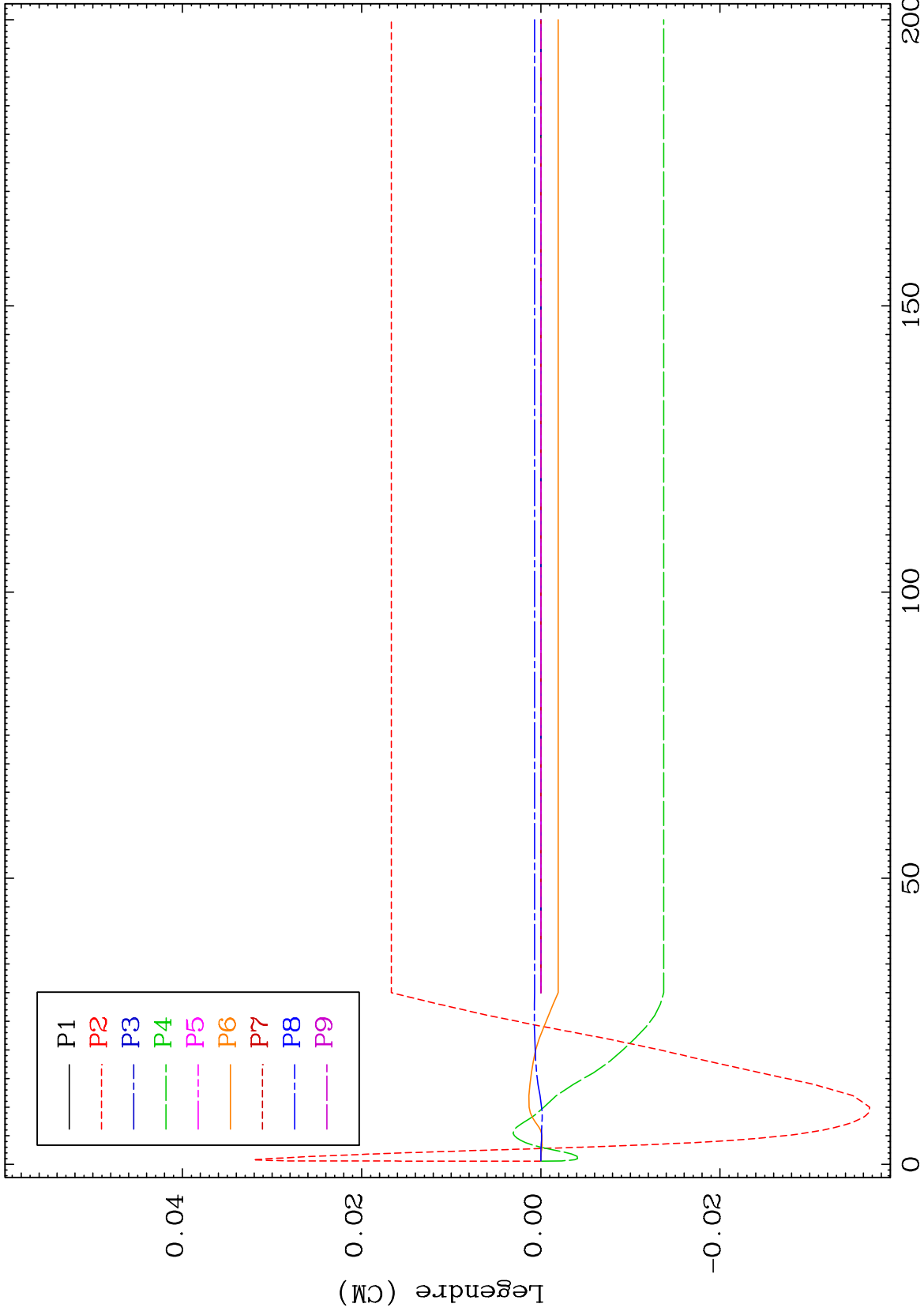




MAT 8110

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

81-T1-198



42

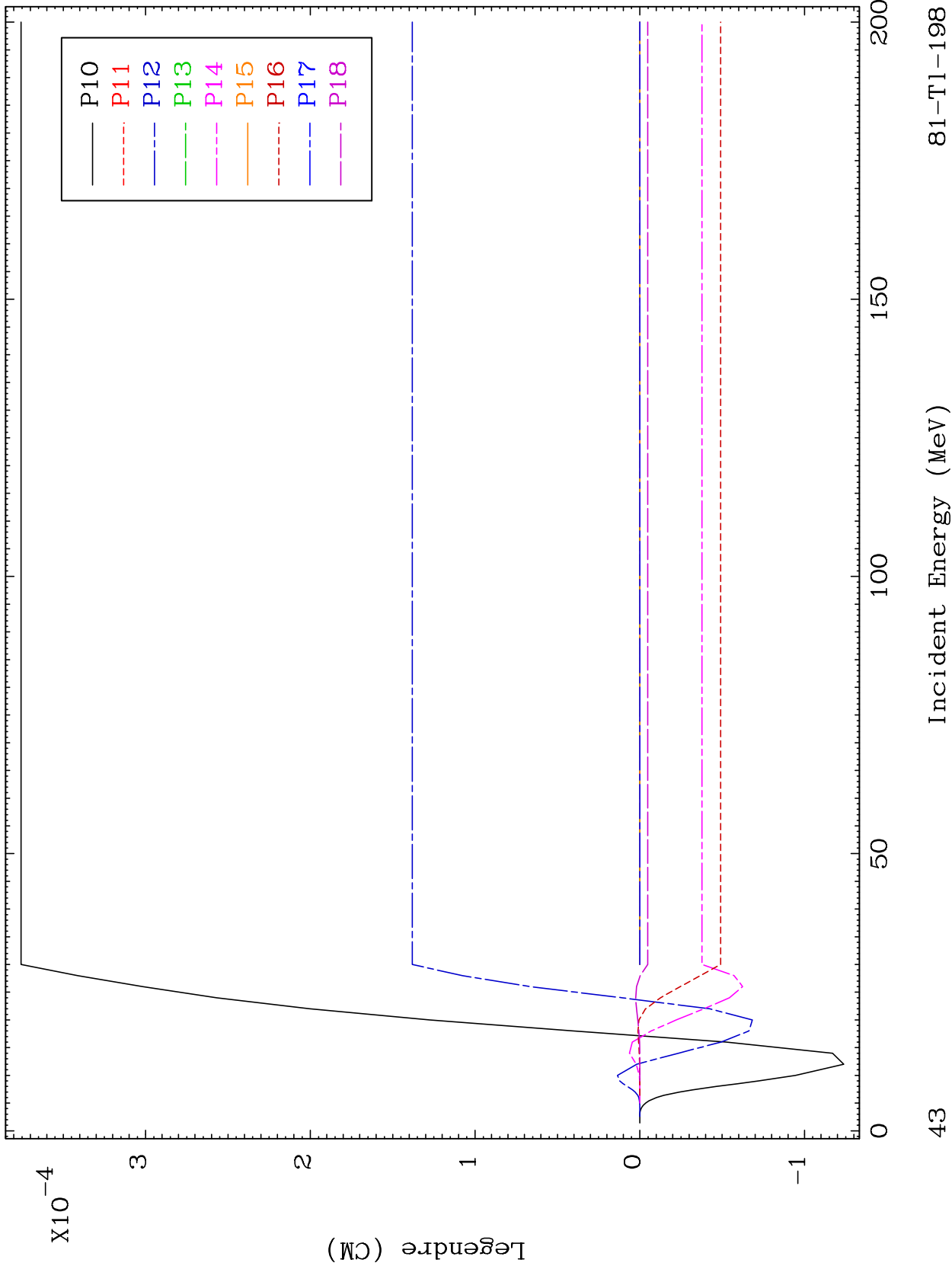
Incident Energy (MeV)

81-T1-198

MAT 8110

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

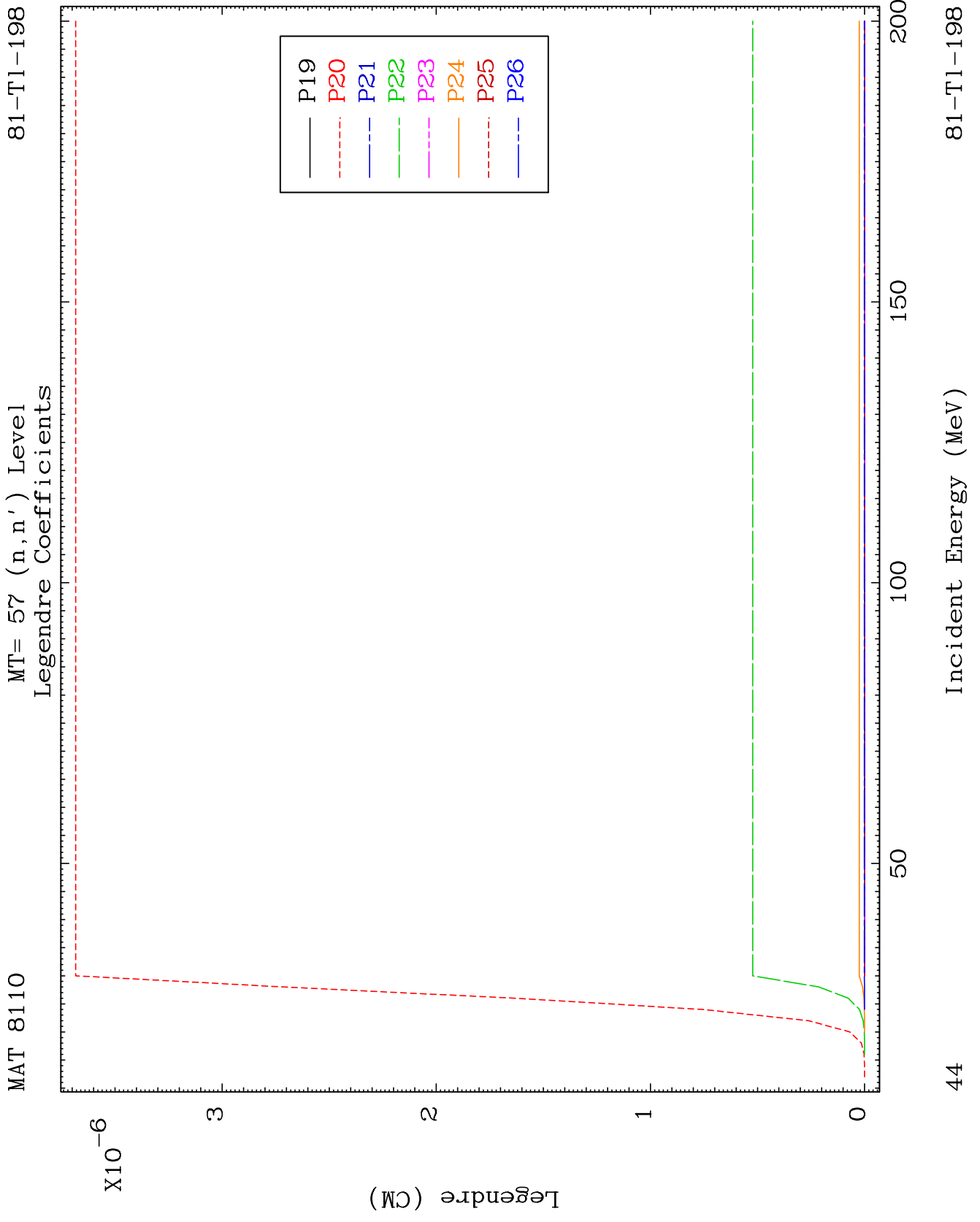
81-T1-198



81-T1-198

Incident Energy (MeV)

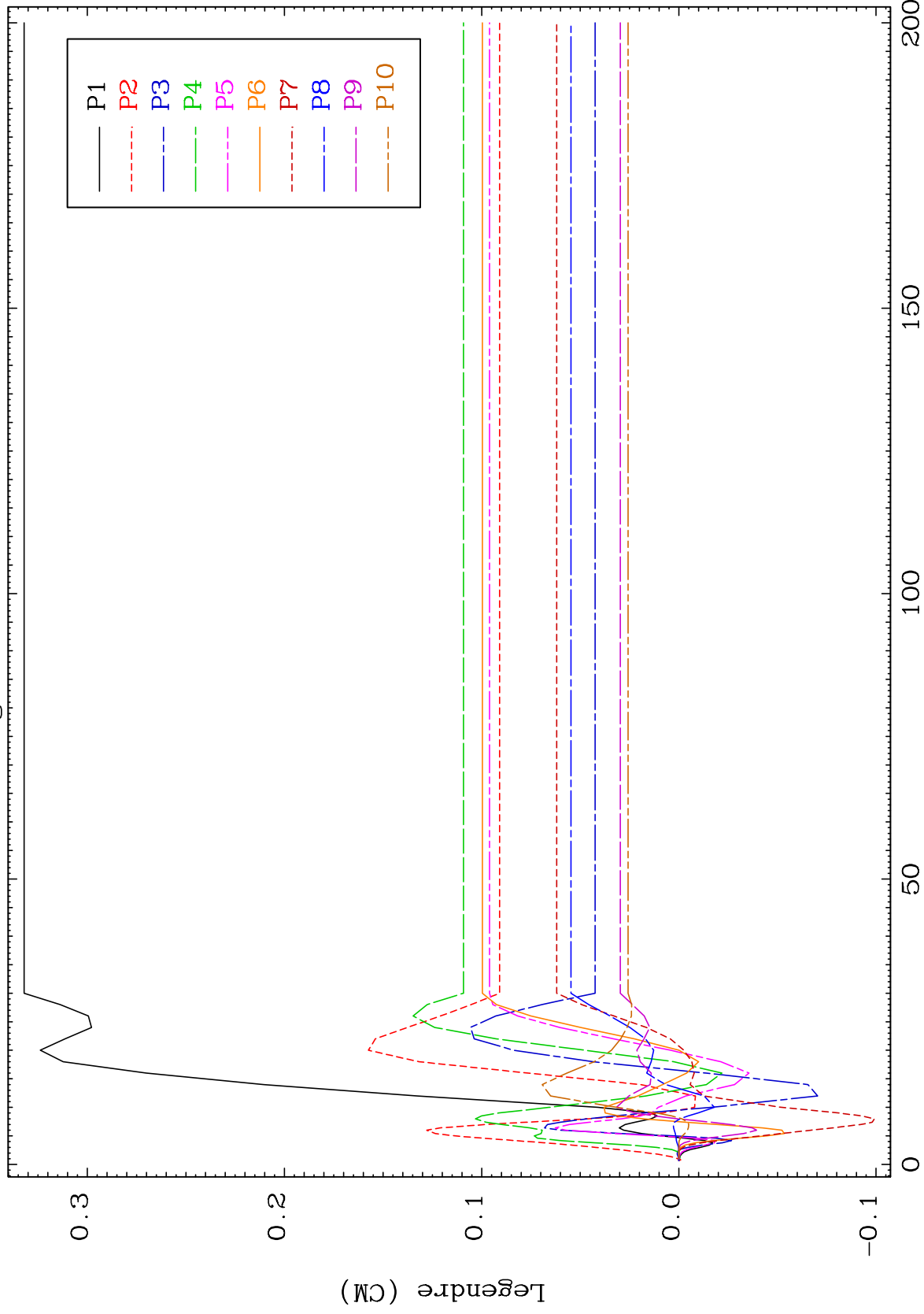
43



MAT 8110

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

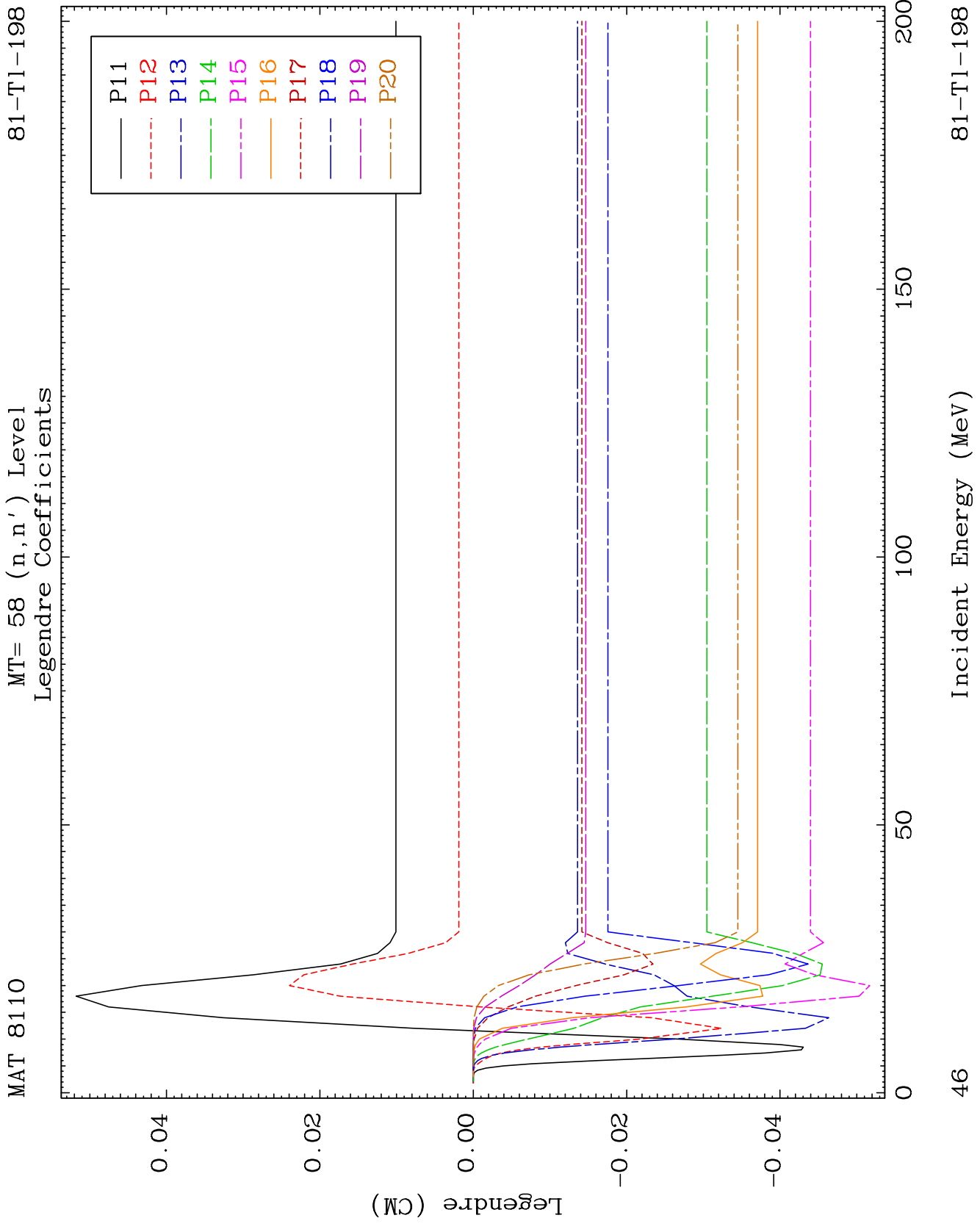
81-Tl-198



81-Tl-198

Incident Energy (MeV)

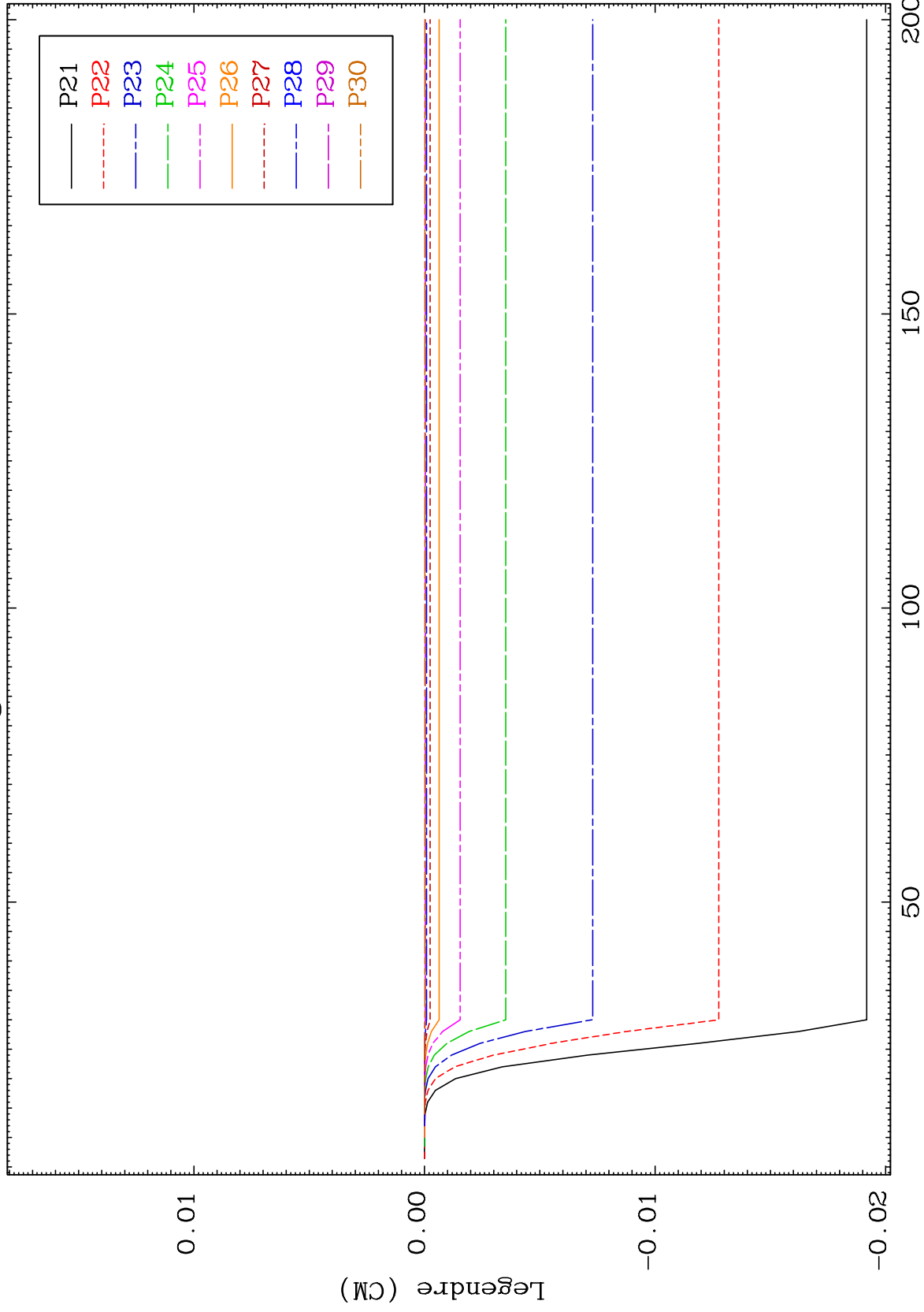
45



MAT 8110

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

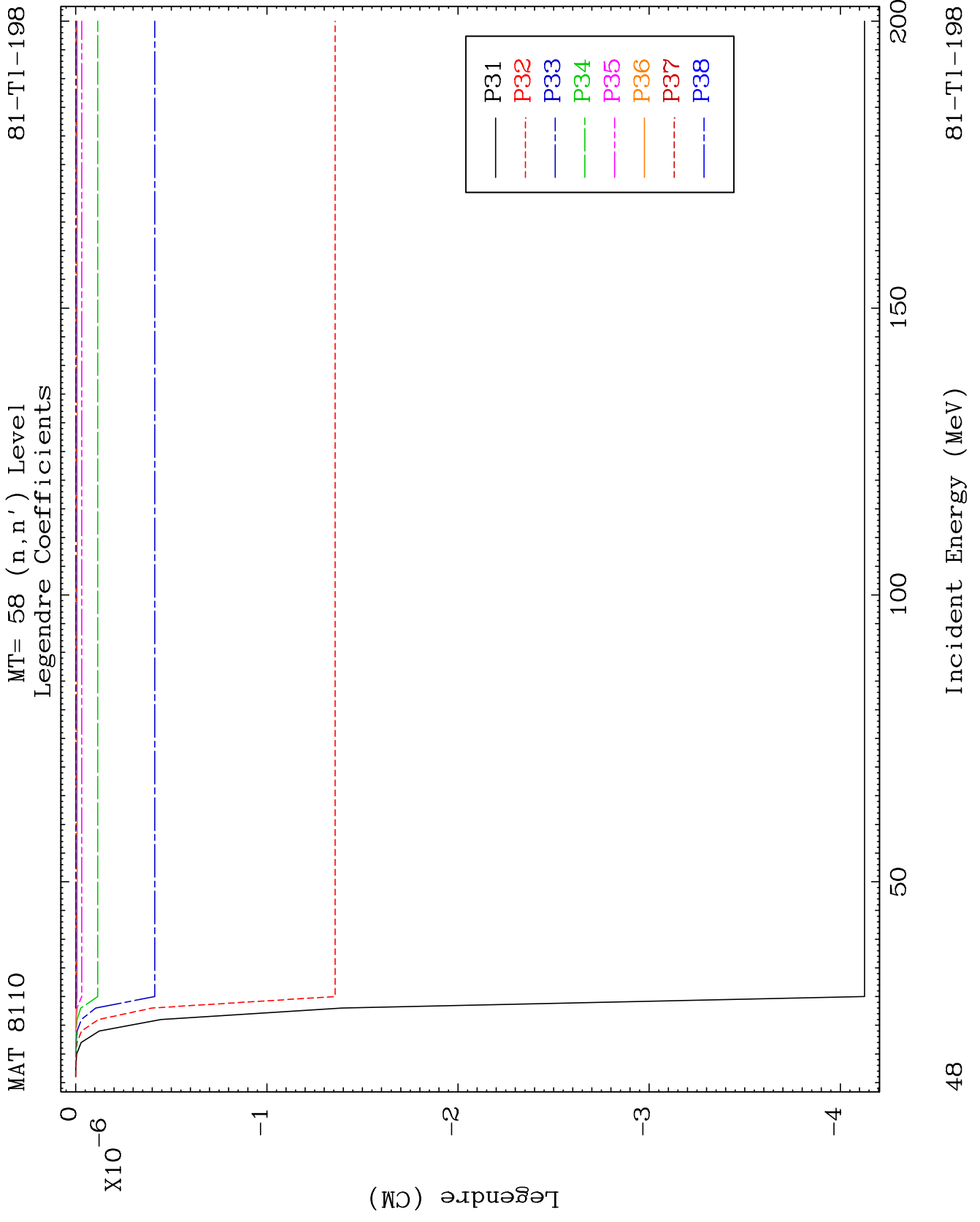
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47

Incident Energy (MeV)

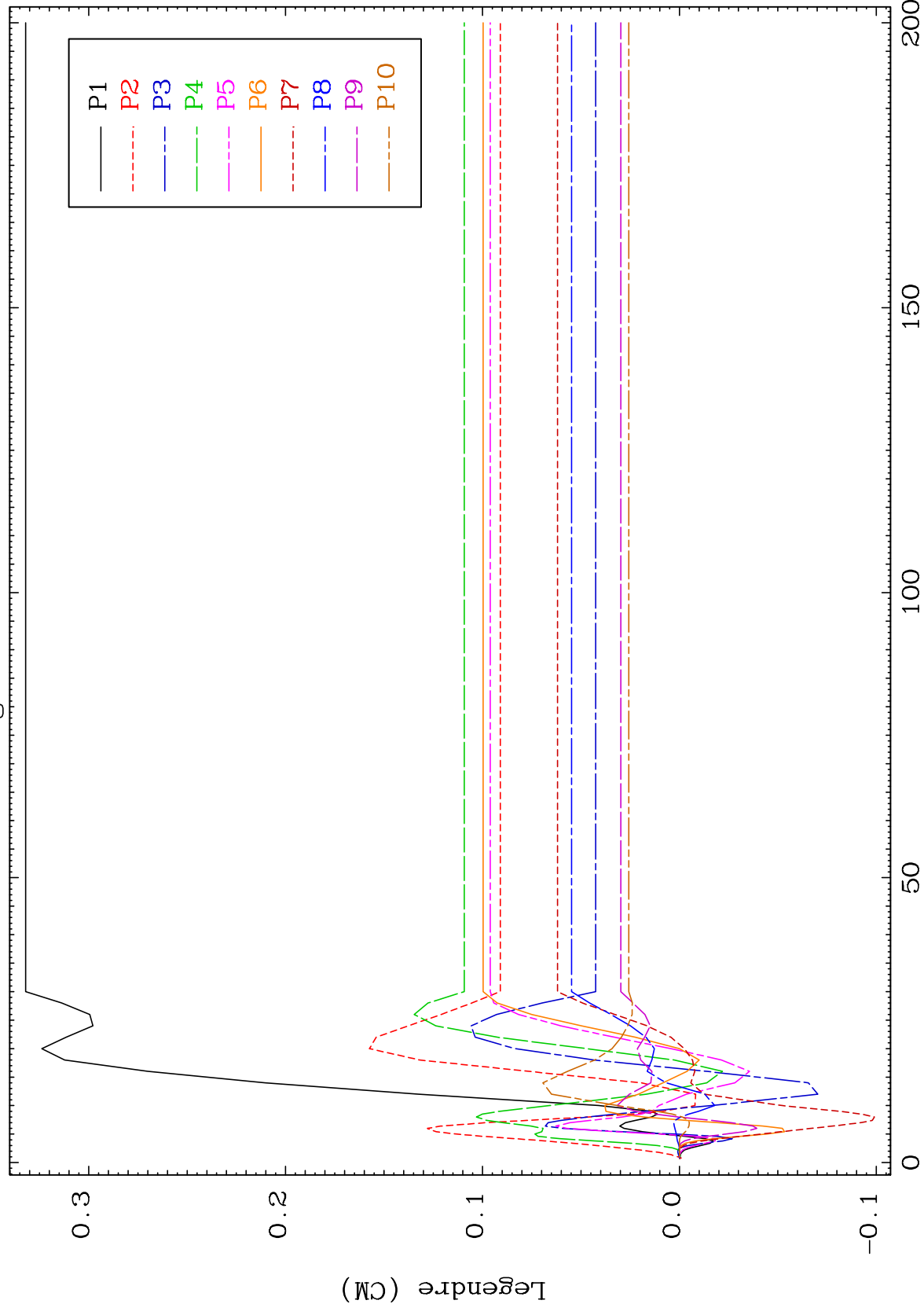
81-T1-198



MAT 8110

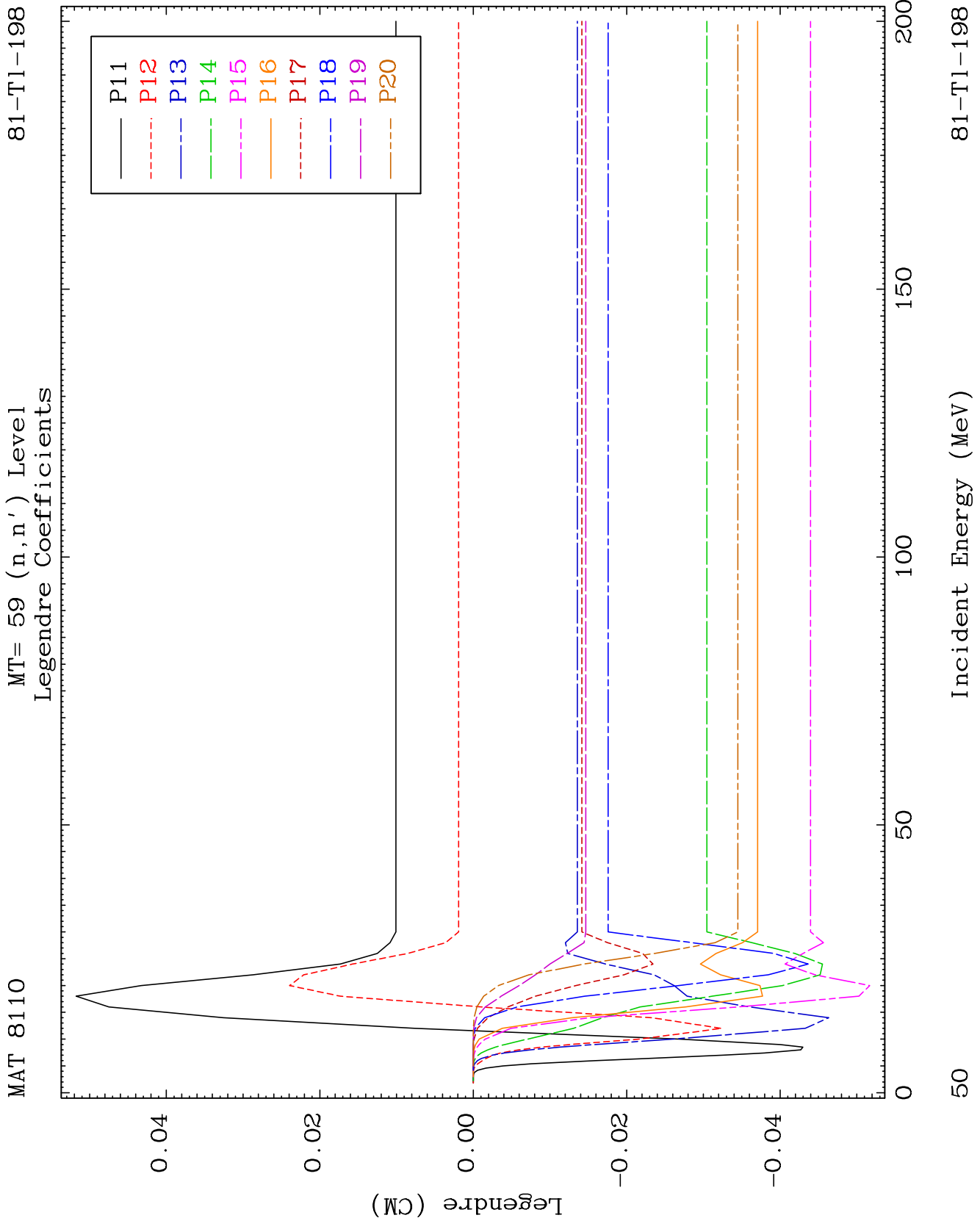
MT= 59 (n,n') Level
Legendre Coefficients

81-T1-198



49

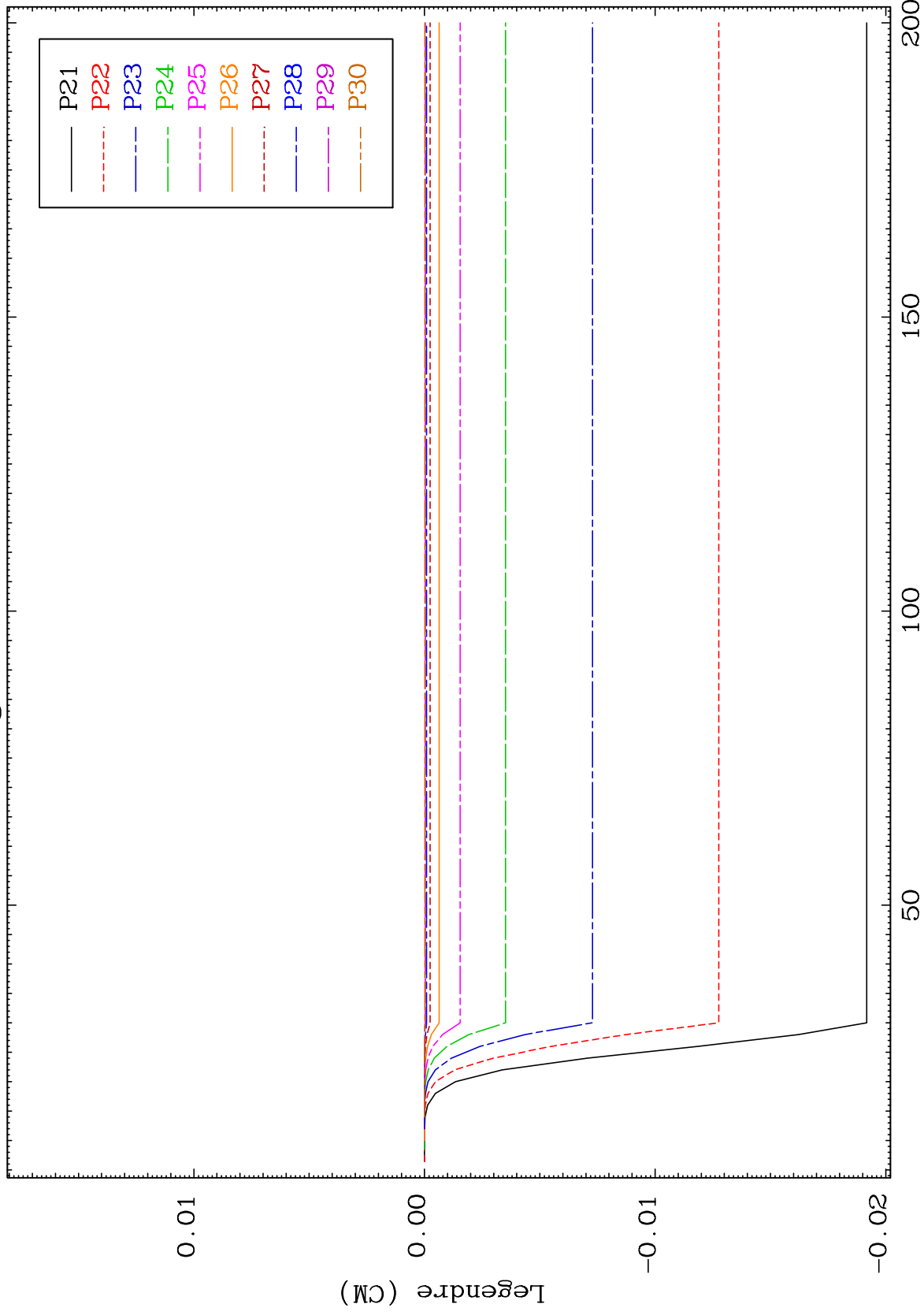
81-T1-198



MAT 8110

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

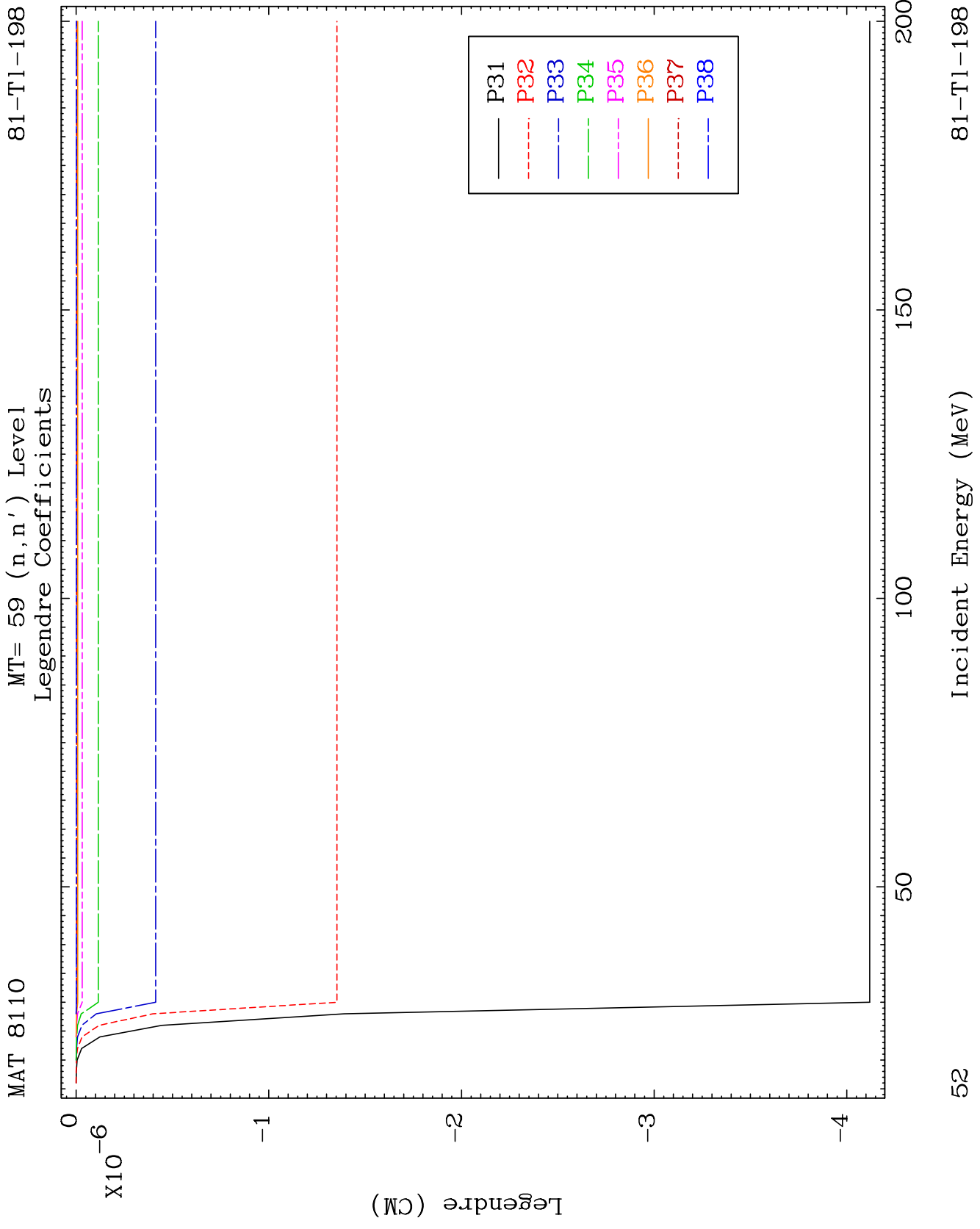
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51

Incident Energy (MeV)

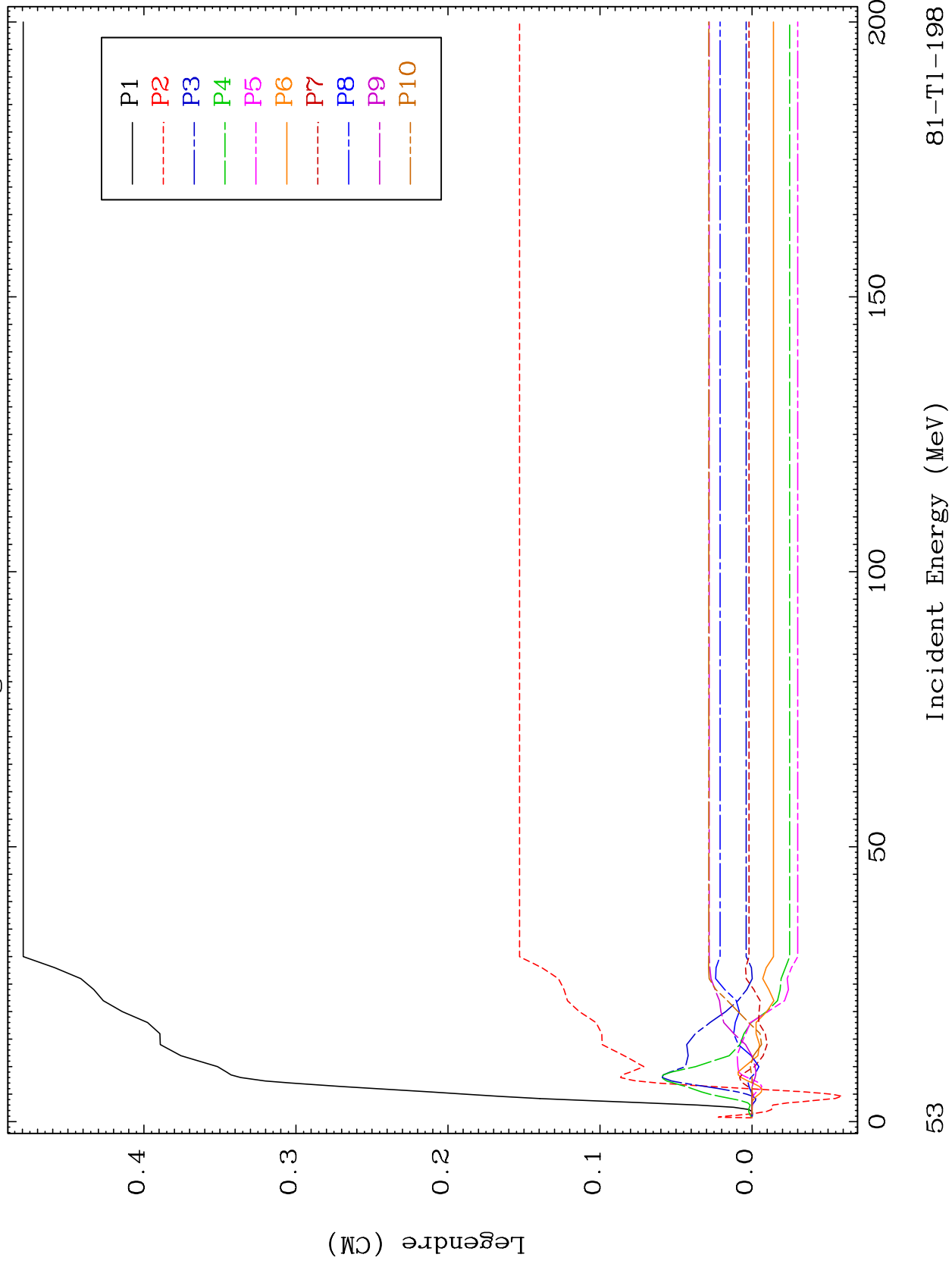
81-T1-198



MAT 8110

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

81-T1-198



53

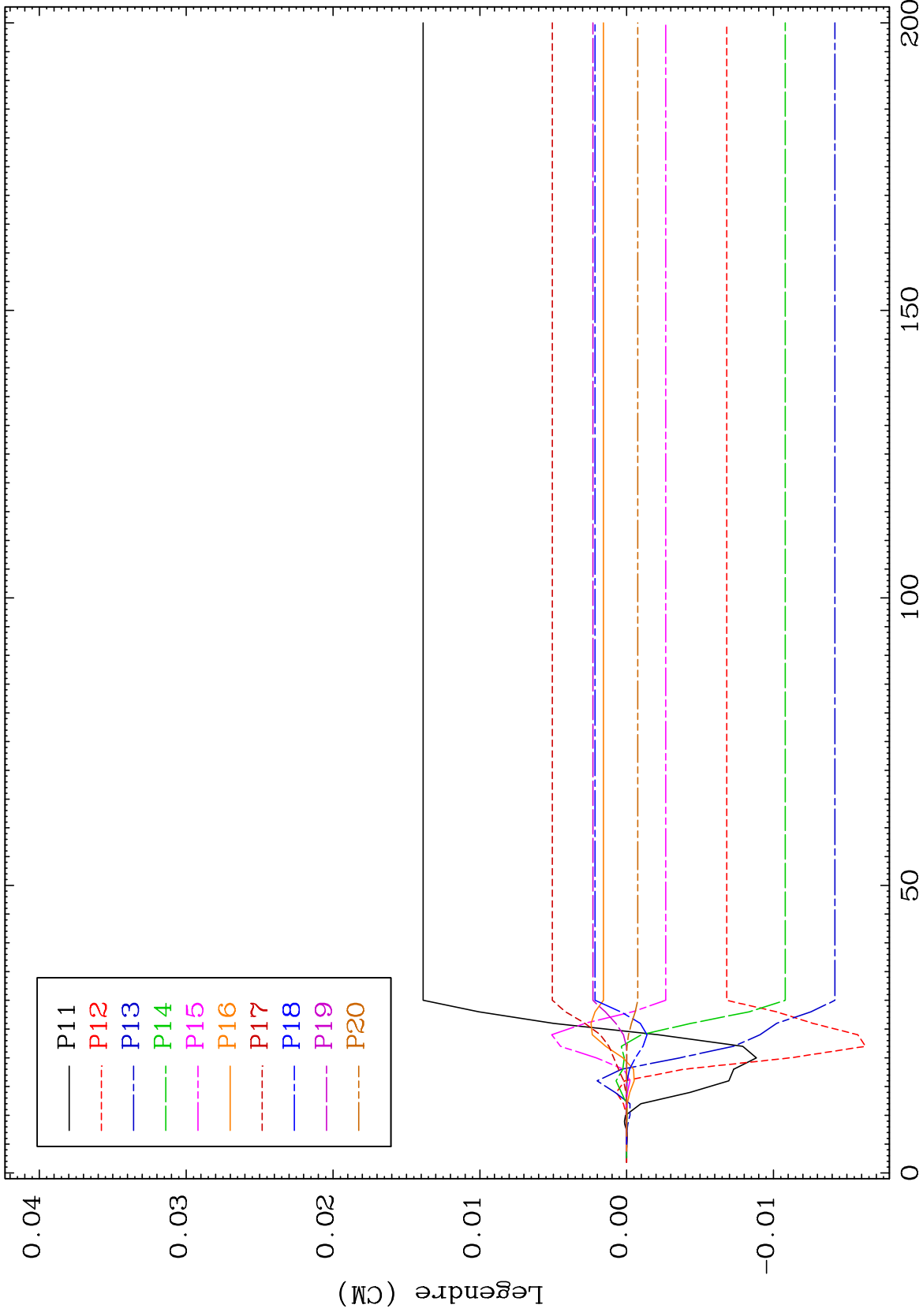
Incident Energy (MeV)

81-T1-198

MAT 8110

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

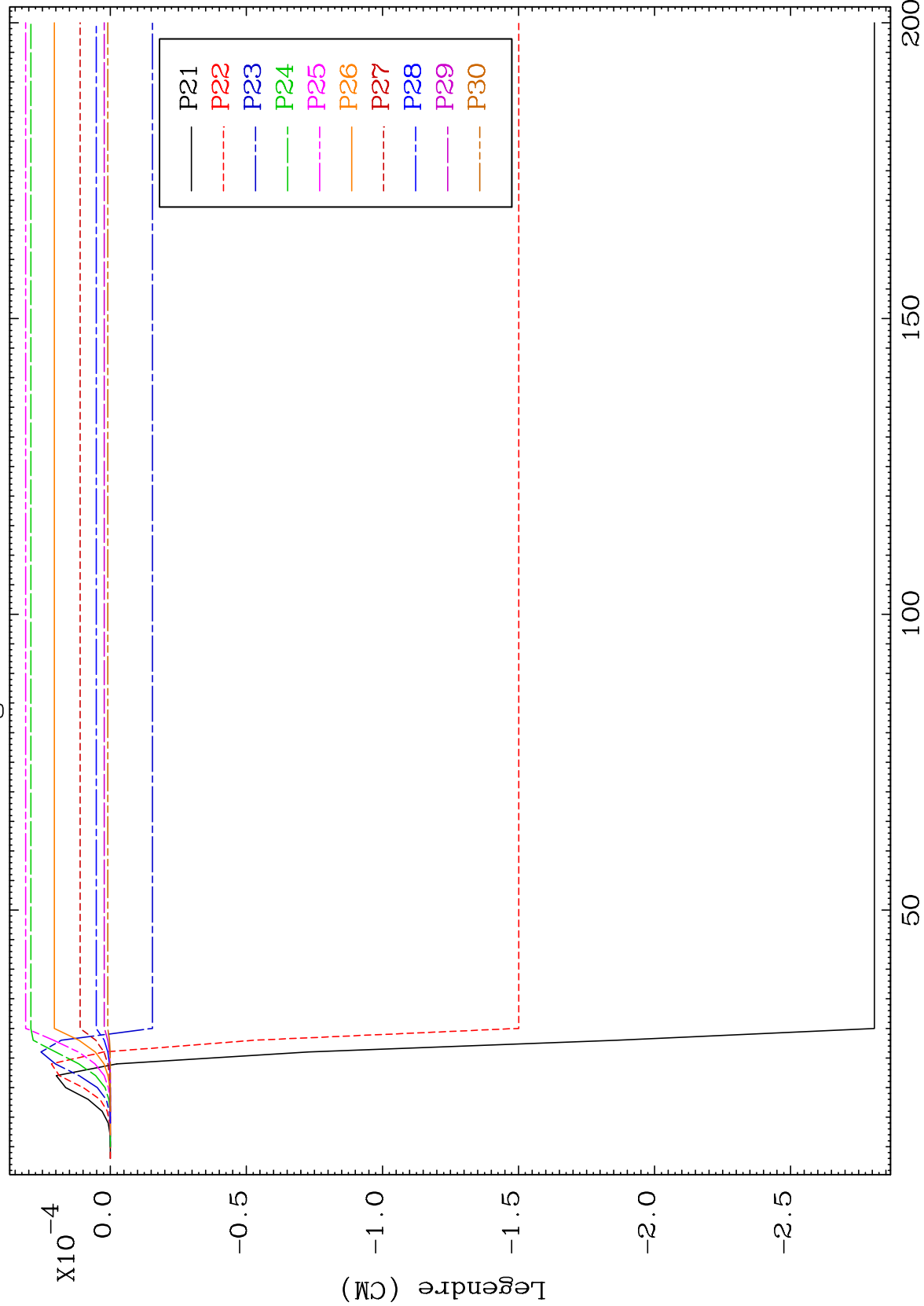
81-T1-198



54

Incident Energy (MeV)

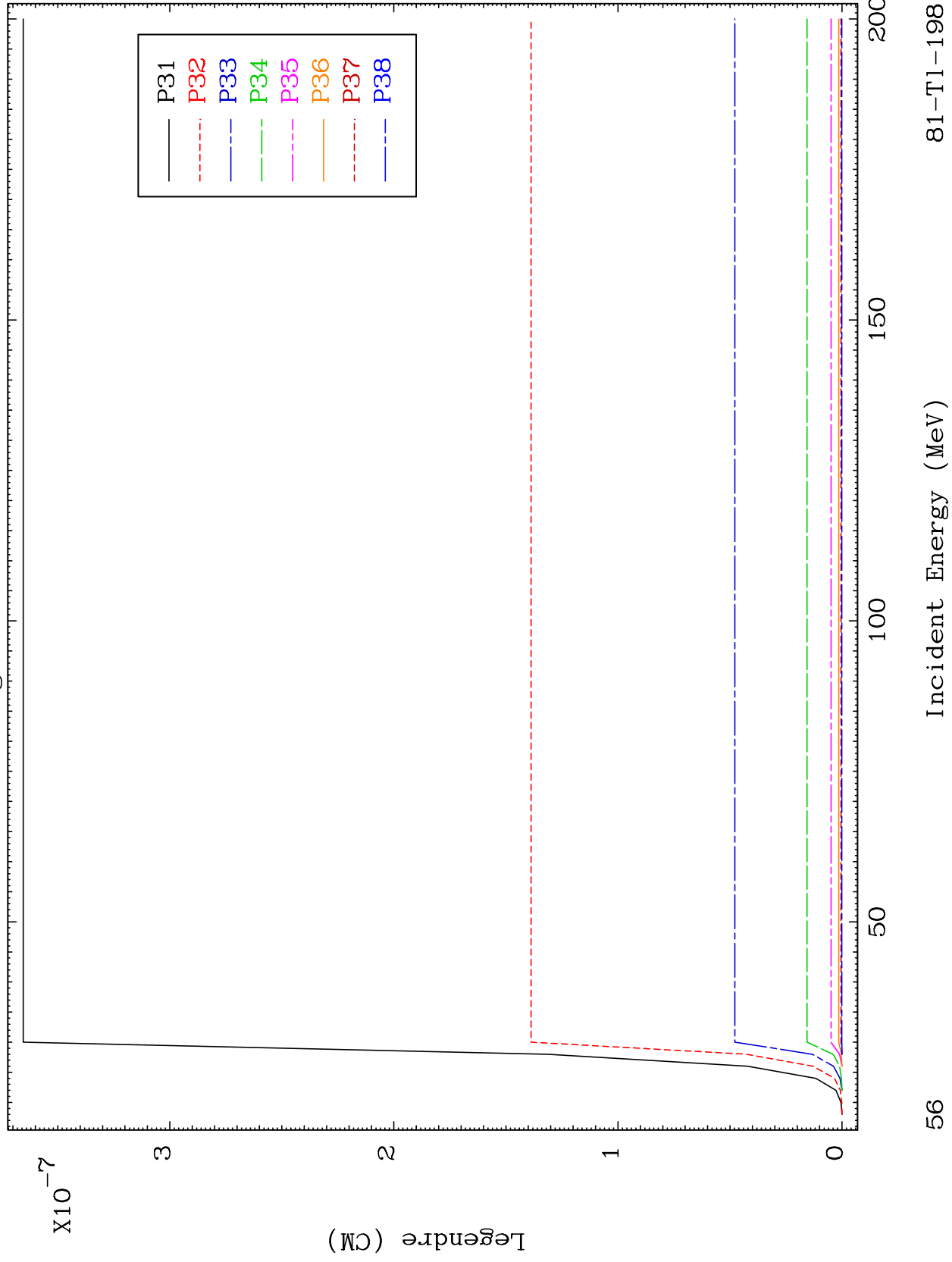
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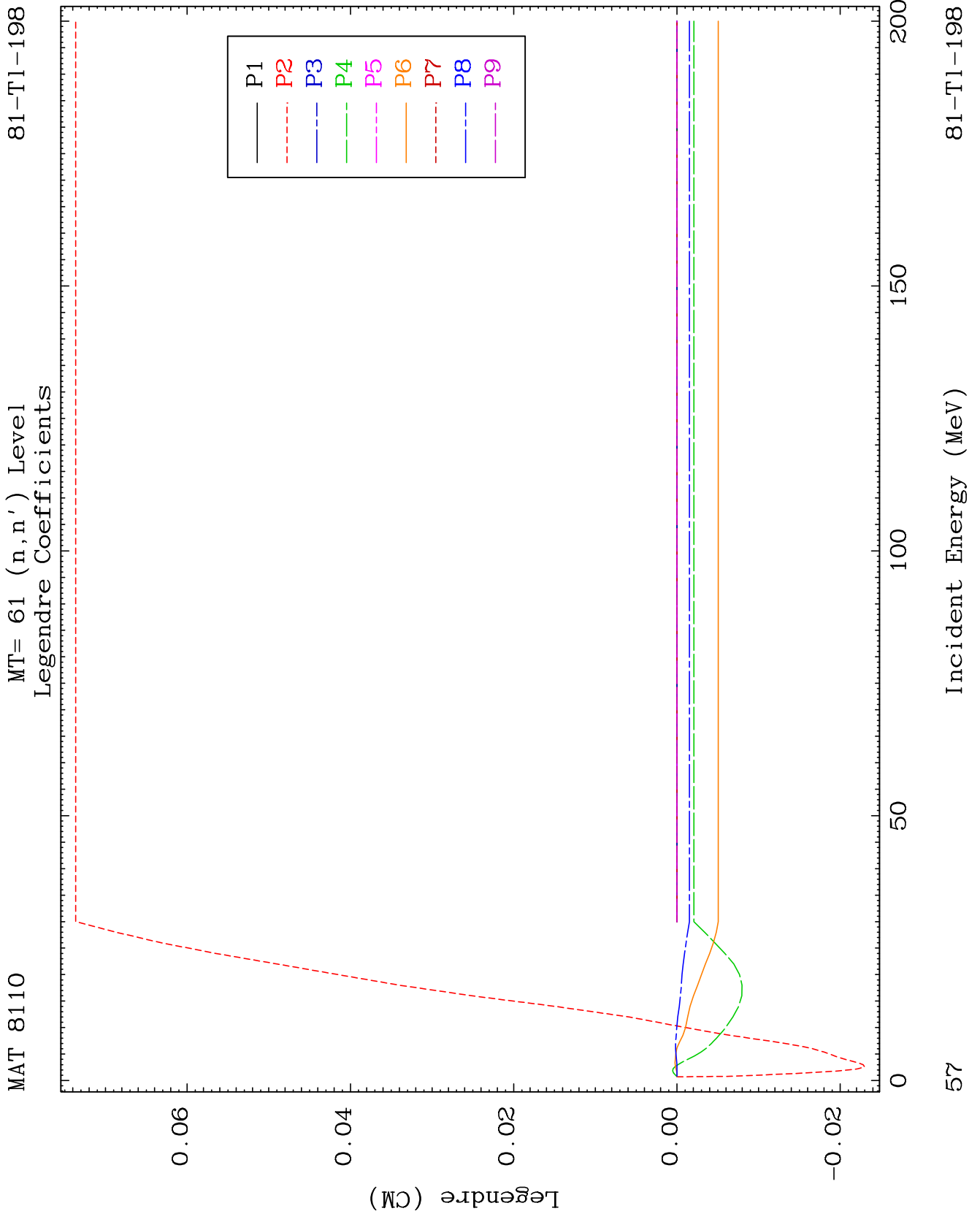


MAT 8110

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

81-Tl-198

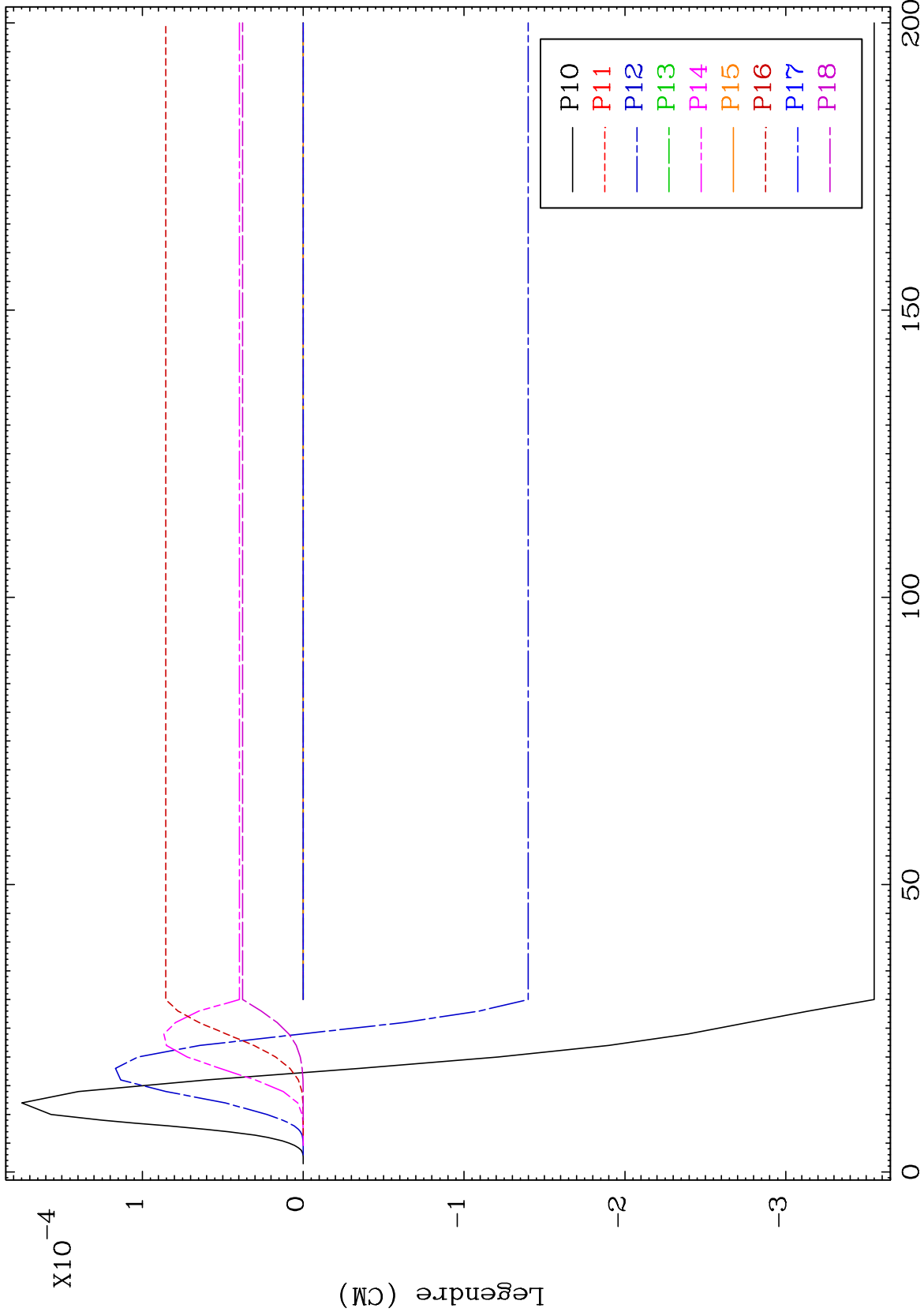




MAT 8110

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

81-Tl-198



58

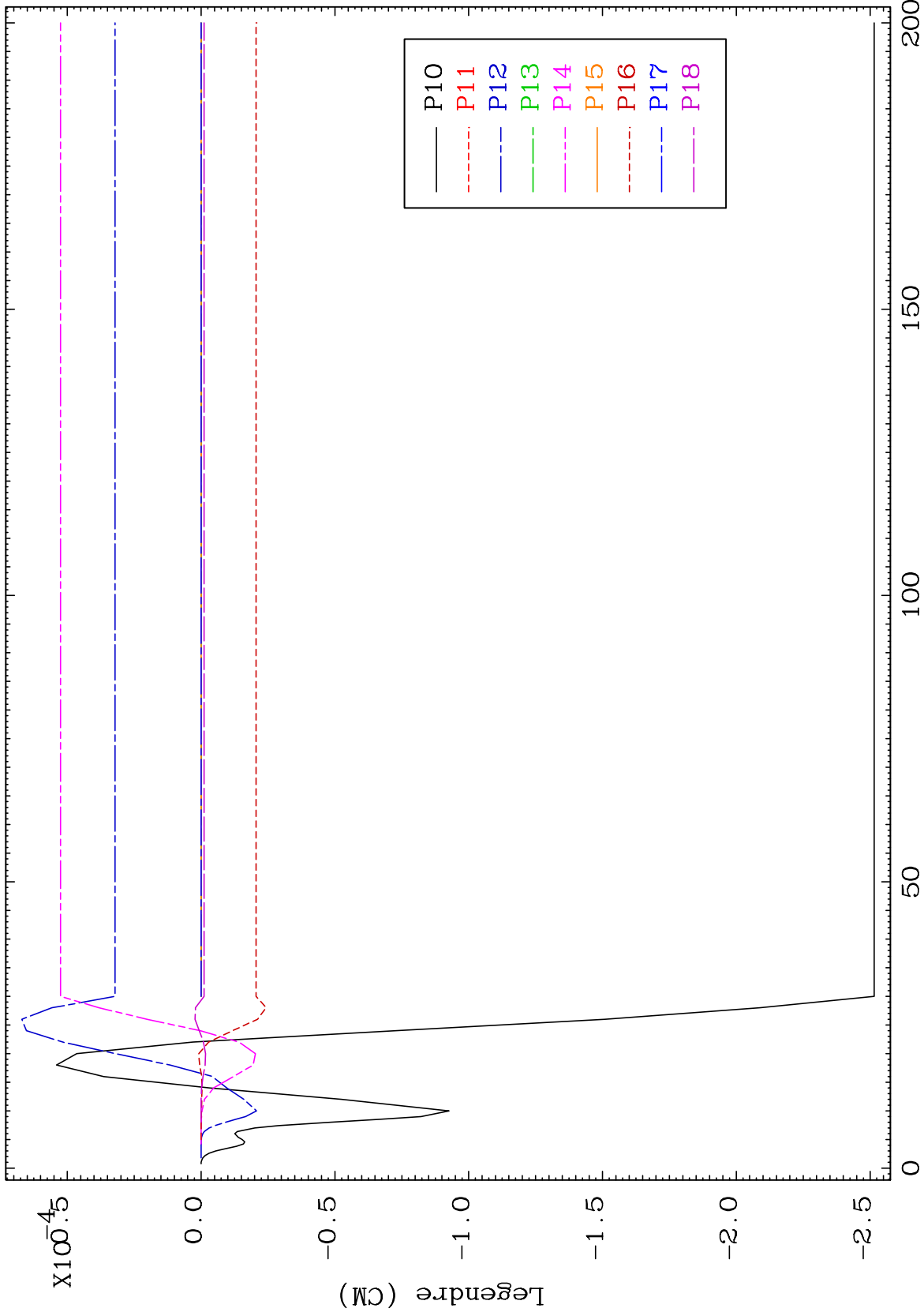
Incident Energy (MeV)

81-Tl-198

MAT 8110

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

81-T1-198



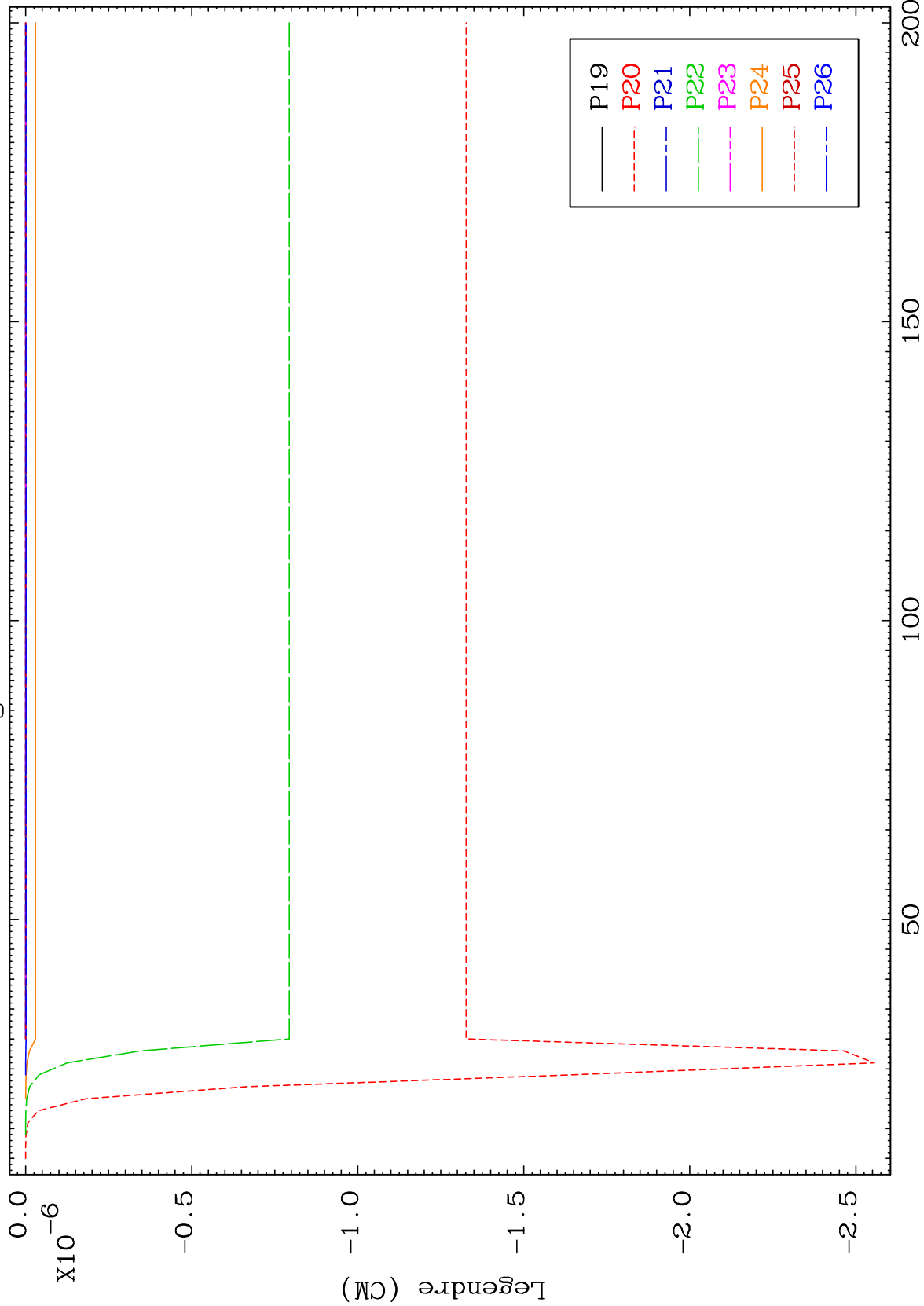
61

81-T1-198

MAT 8110

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

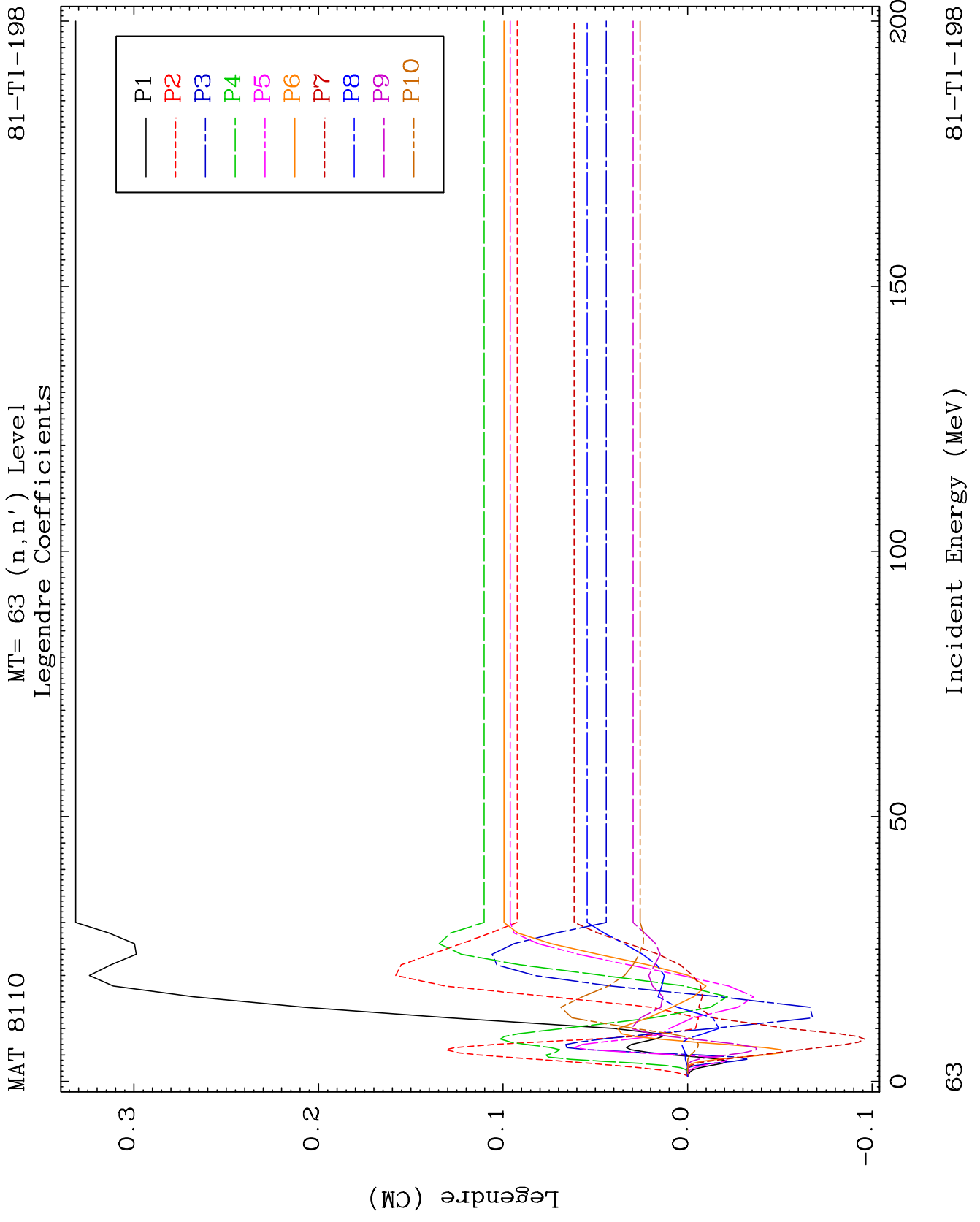
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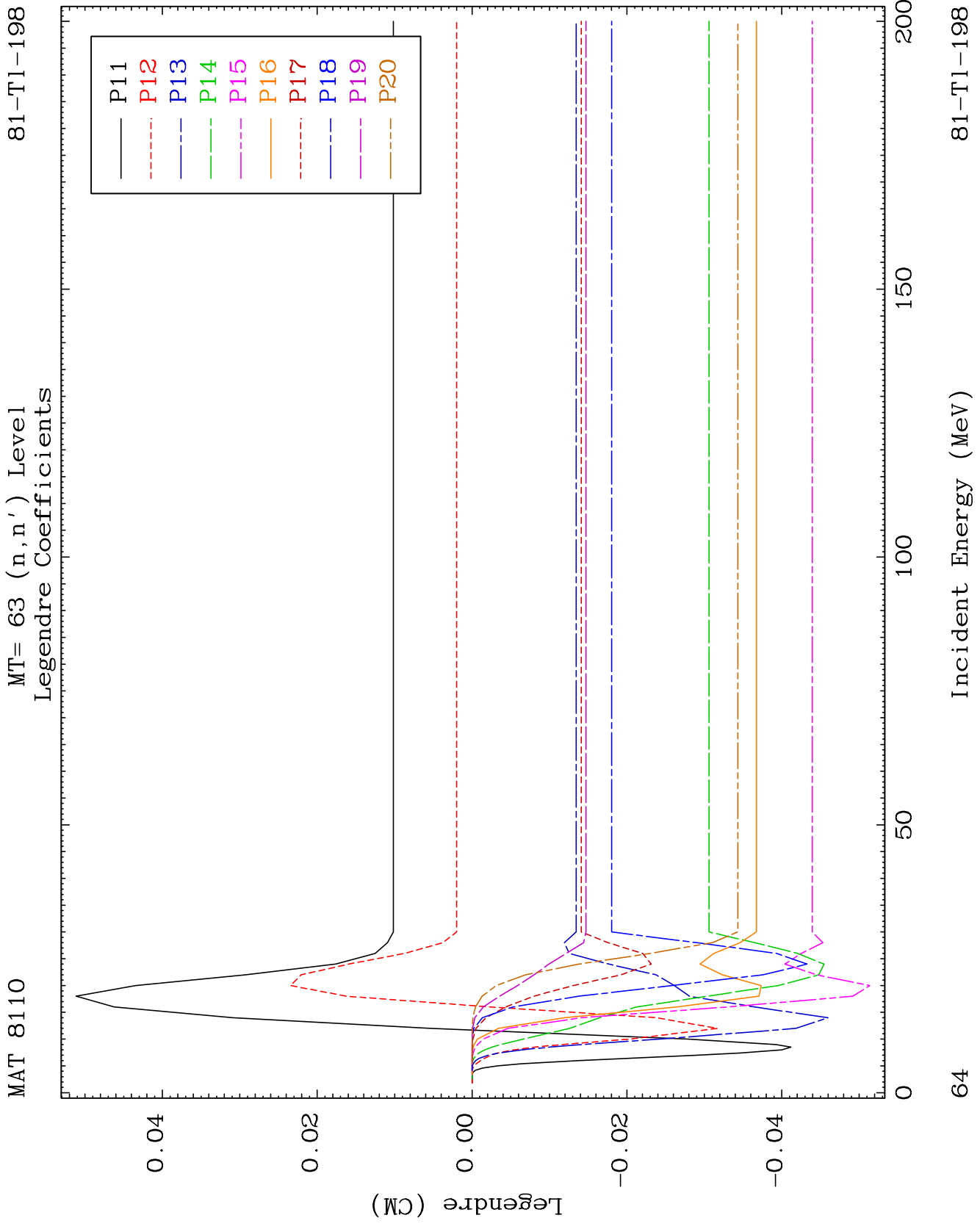


81-T1-198

Incident Energy (MeV)

62

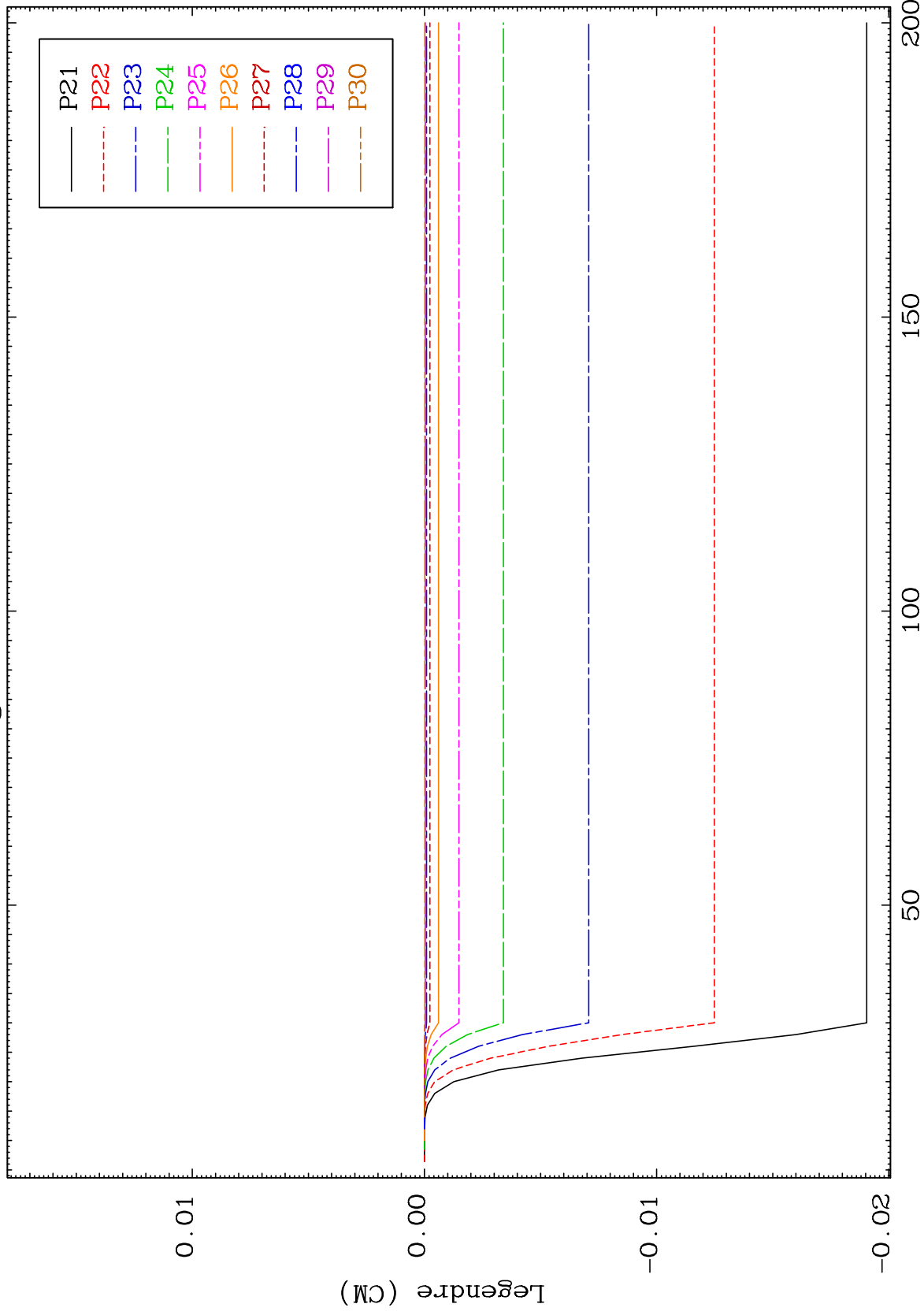




MAT 8110

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

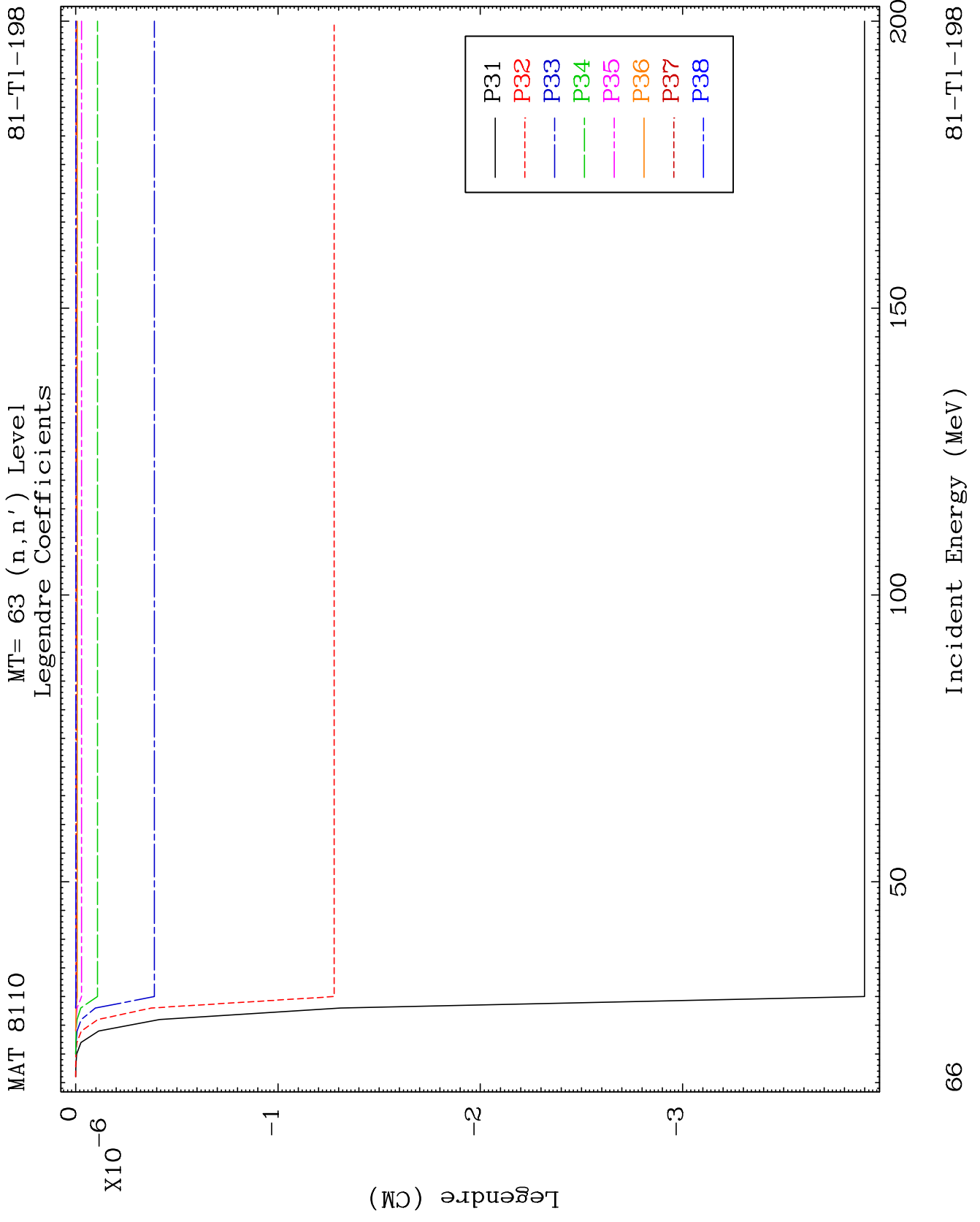
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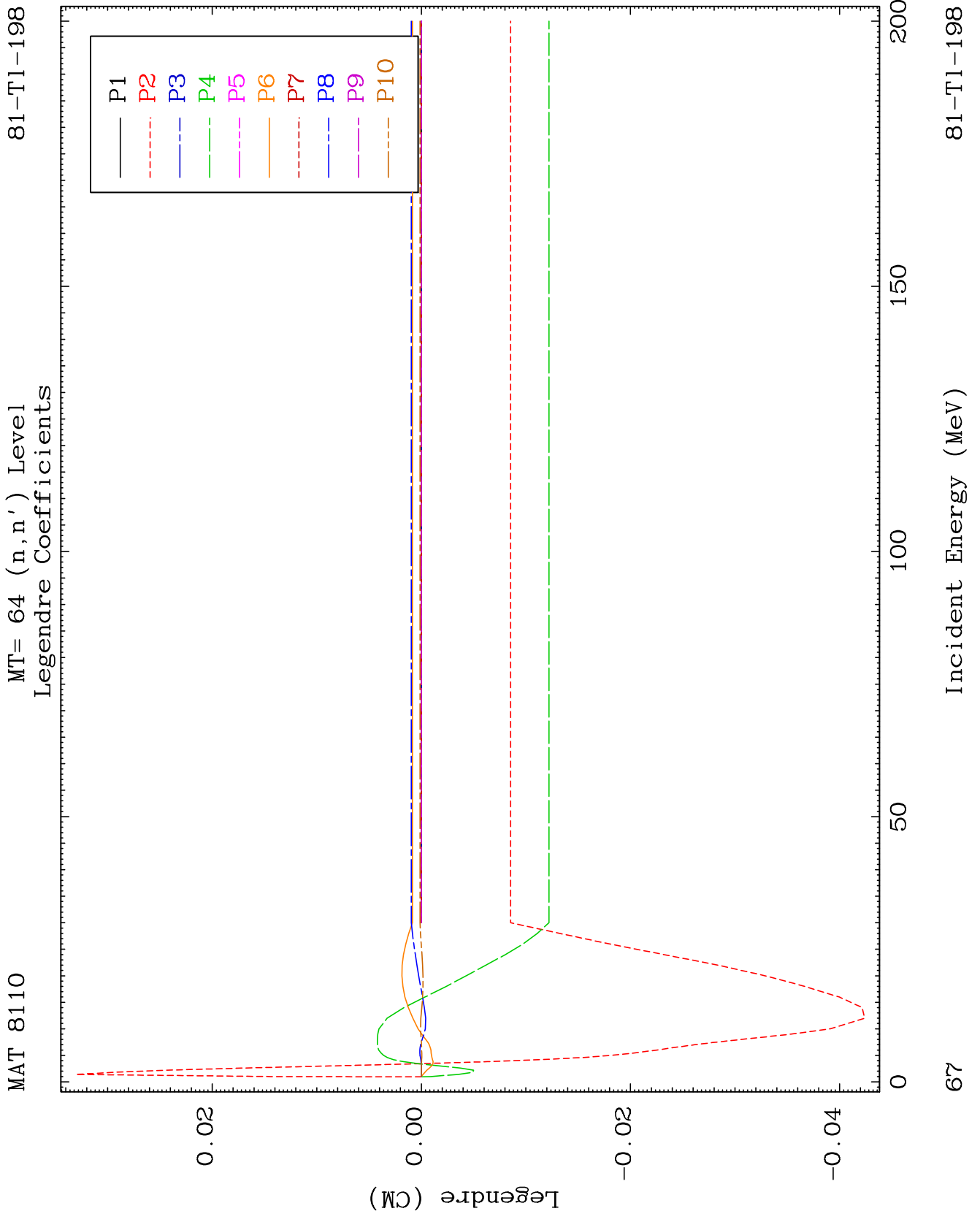


65

Incident Energy (MeV)

81-T1-198

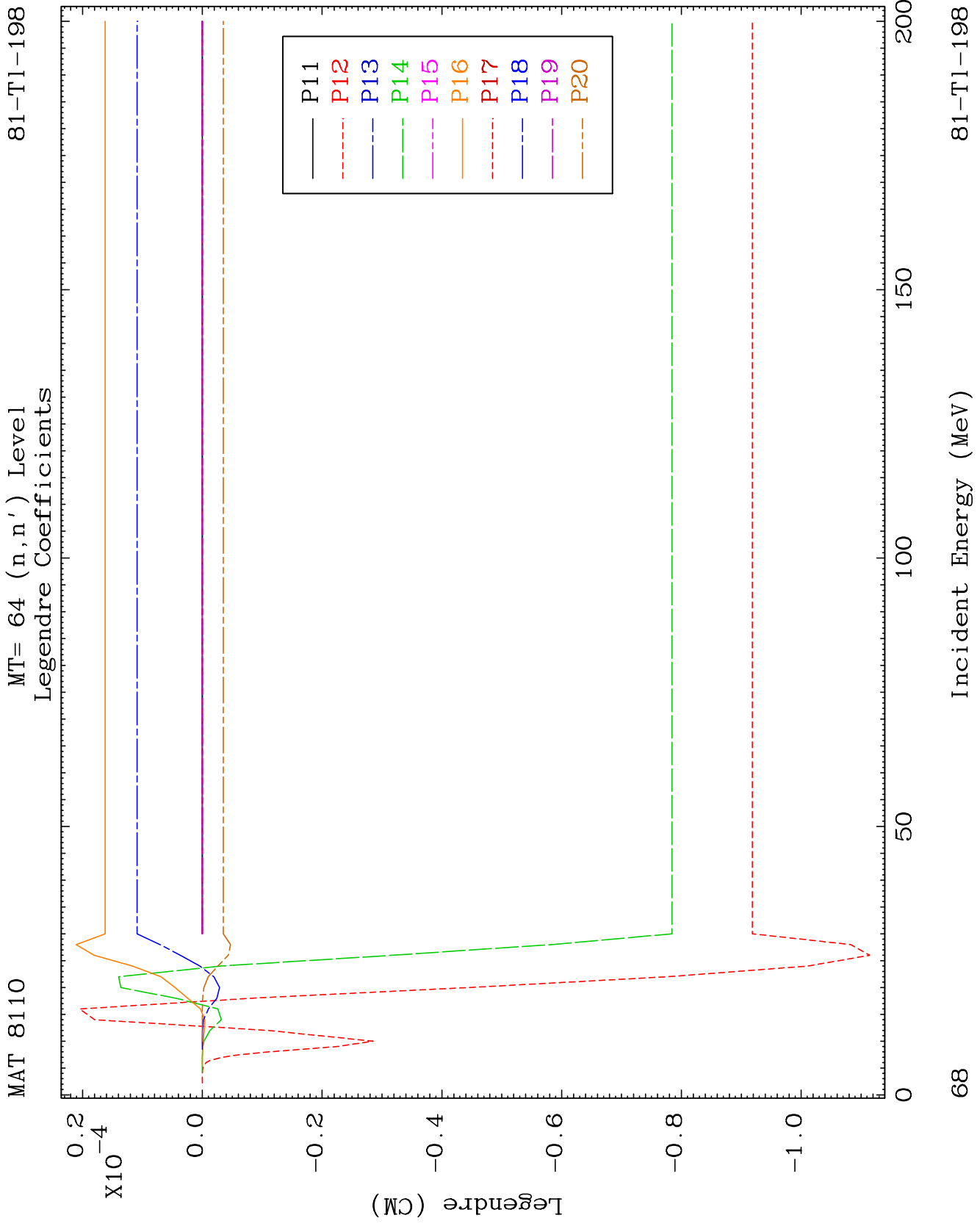


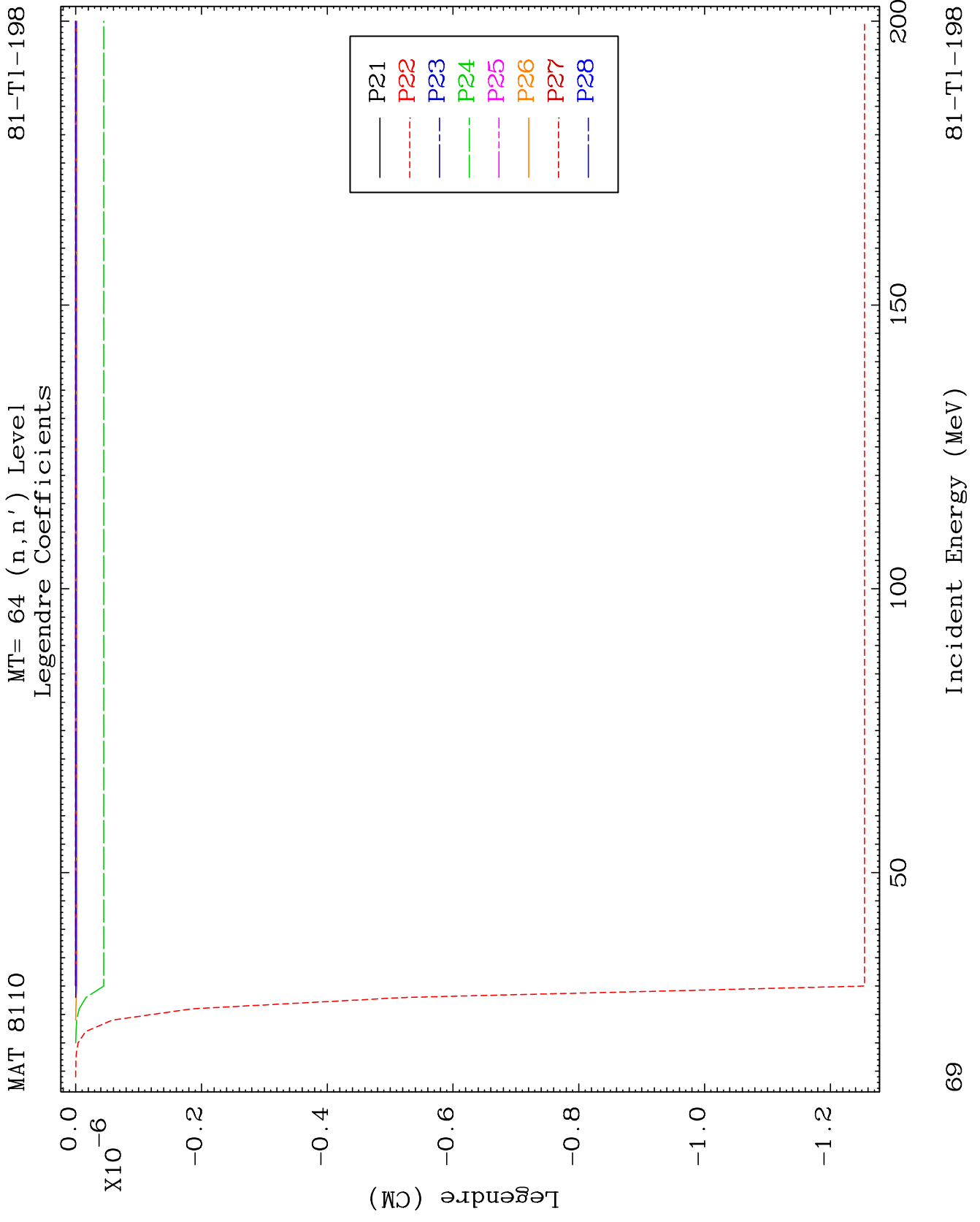


81-T1-198

Incident Energy (MeV)

67

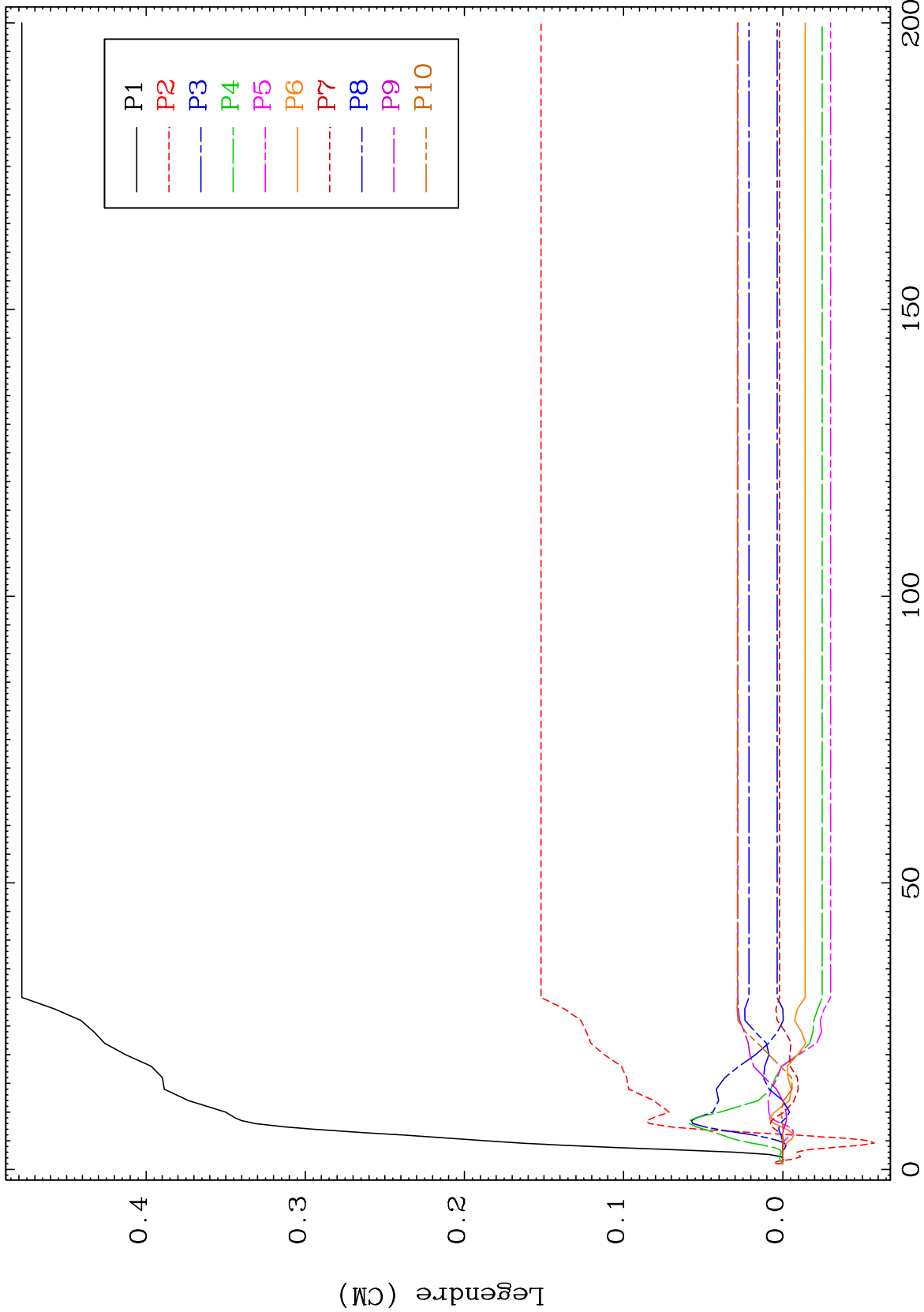




MAT 8110

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

81-T1-198



81-T1-198

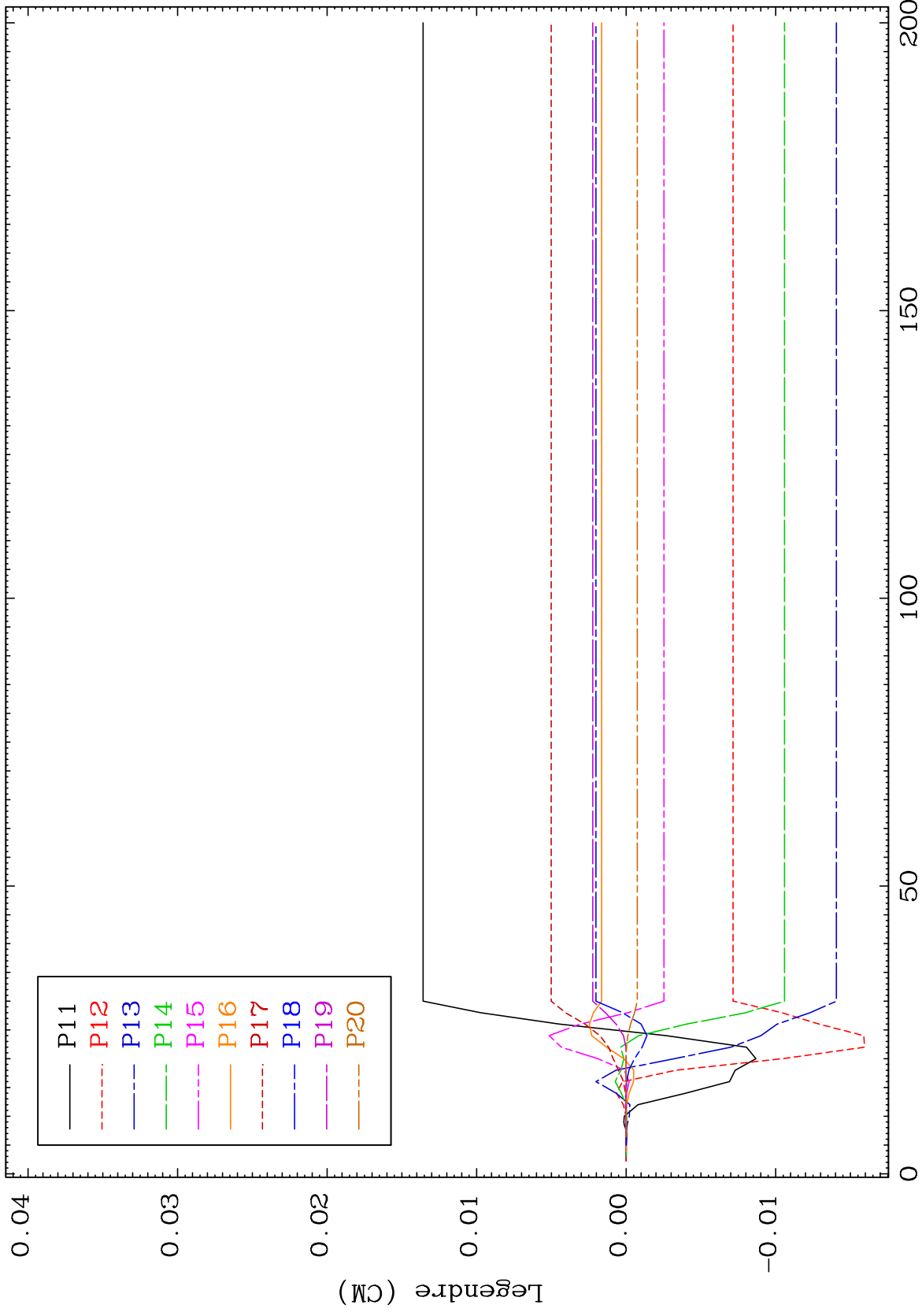
Incident Energy (MeV)

70

MAT 8110

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

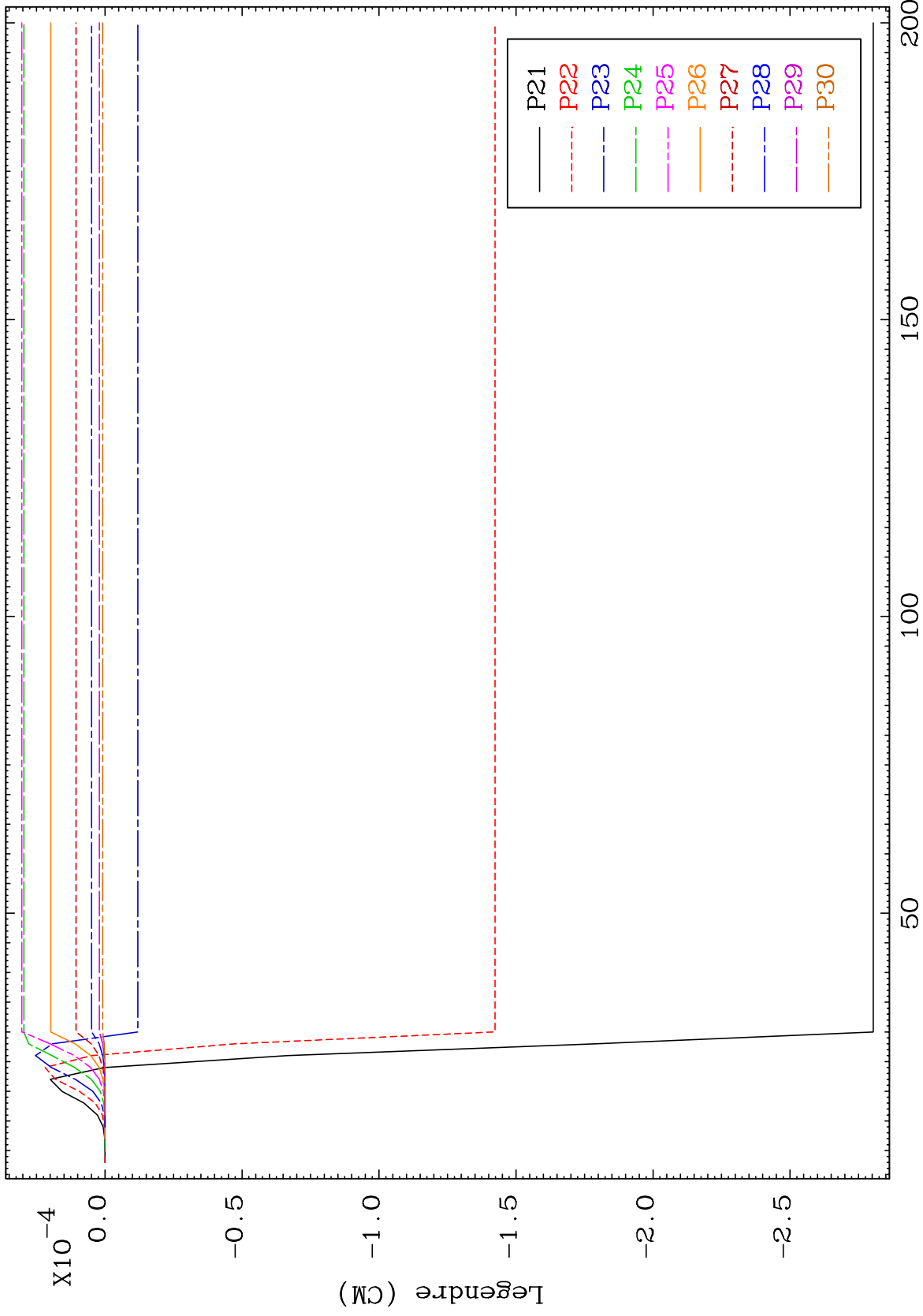
81-T1-198



71

Incident Energy (MeV)

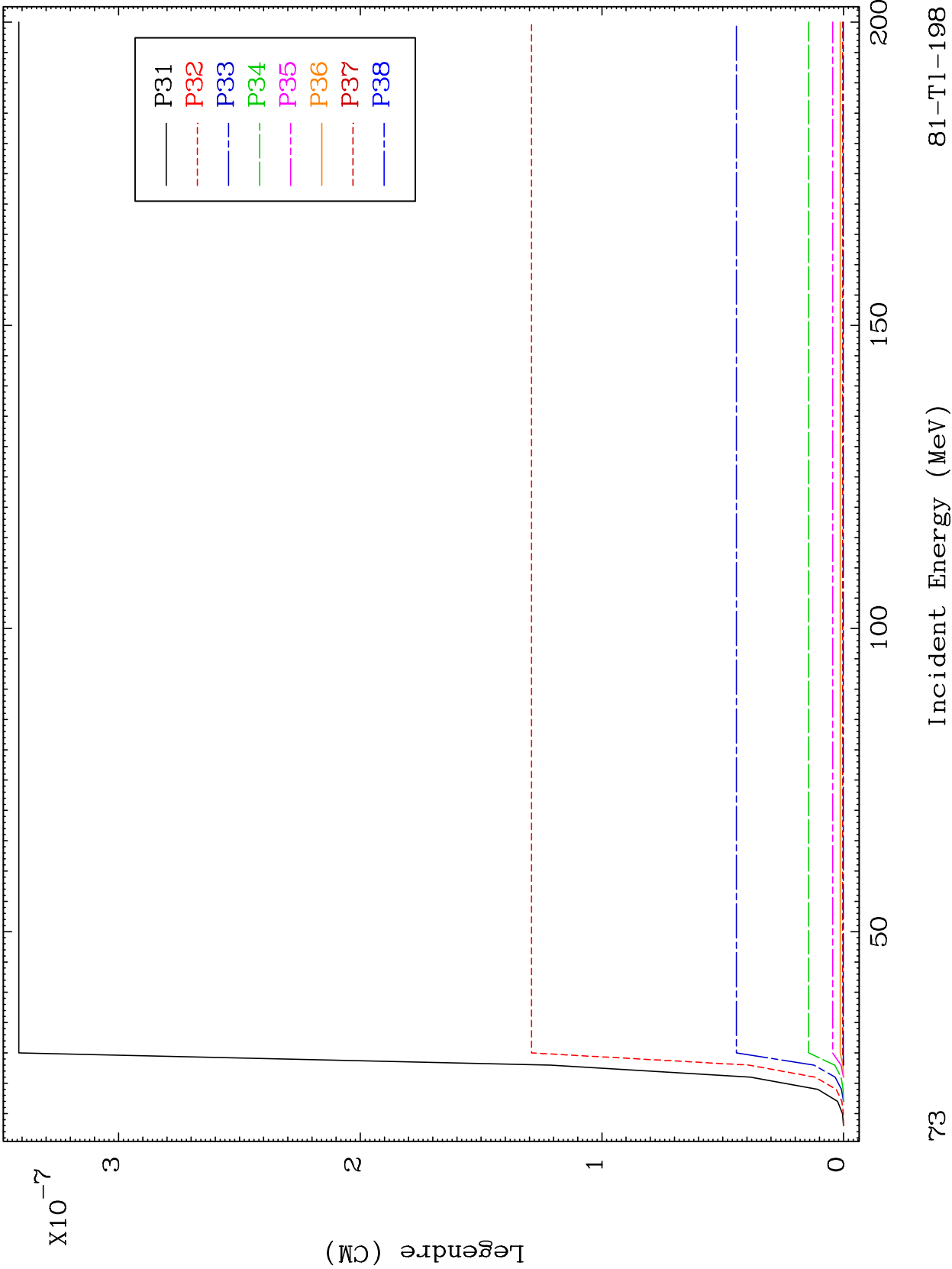
81-T1-198



MAT 8110

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

81-Tl-198



73

Incident Energy (MeV)

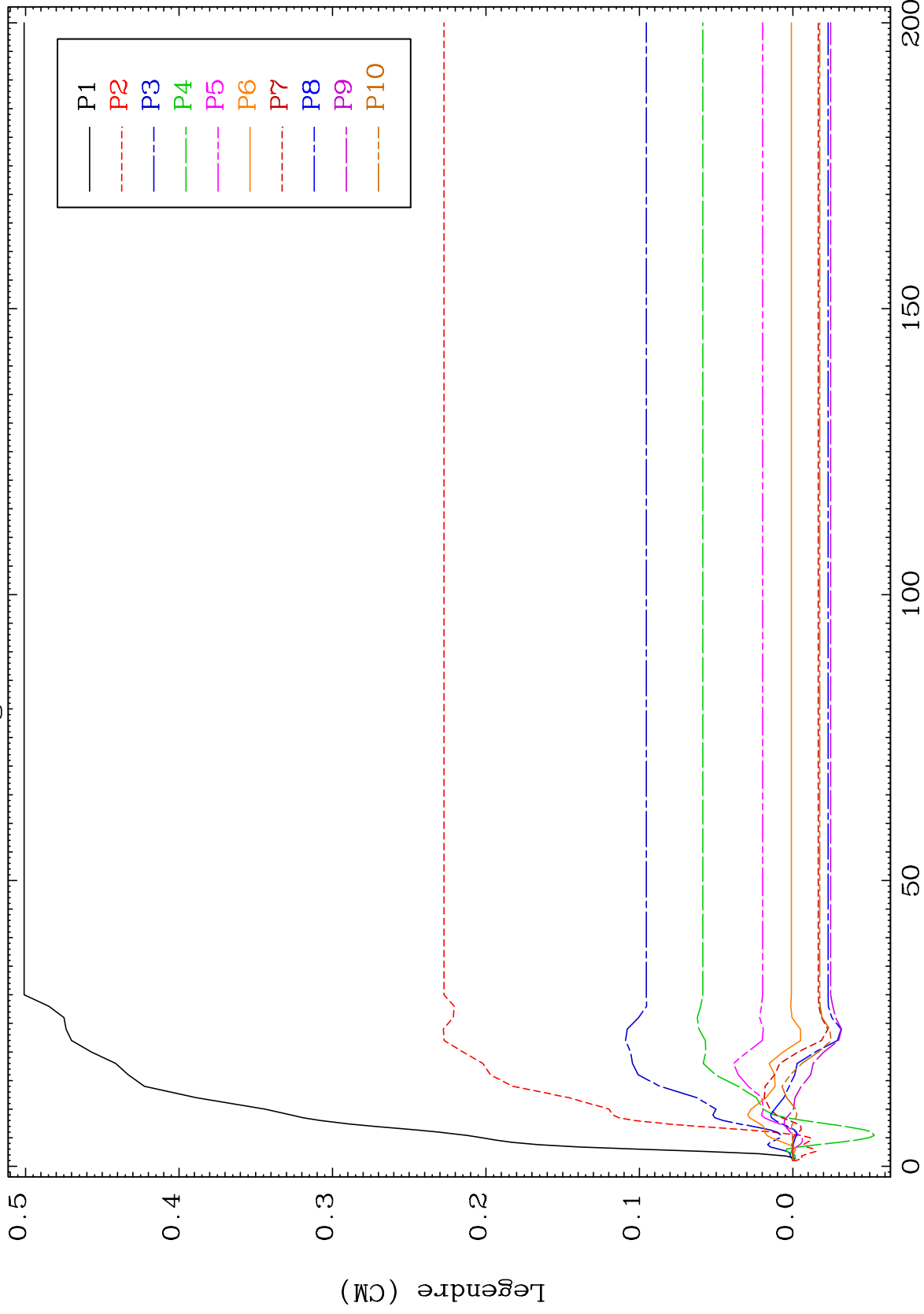
81-Tl-198

MAT 8110

MT= 66 (n,n') Level

81-Tl-198

Legendre Coefficients



74

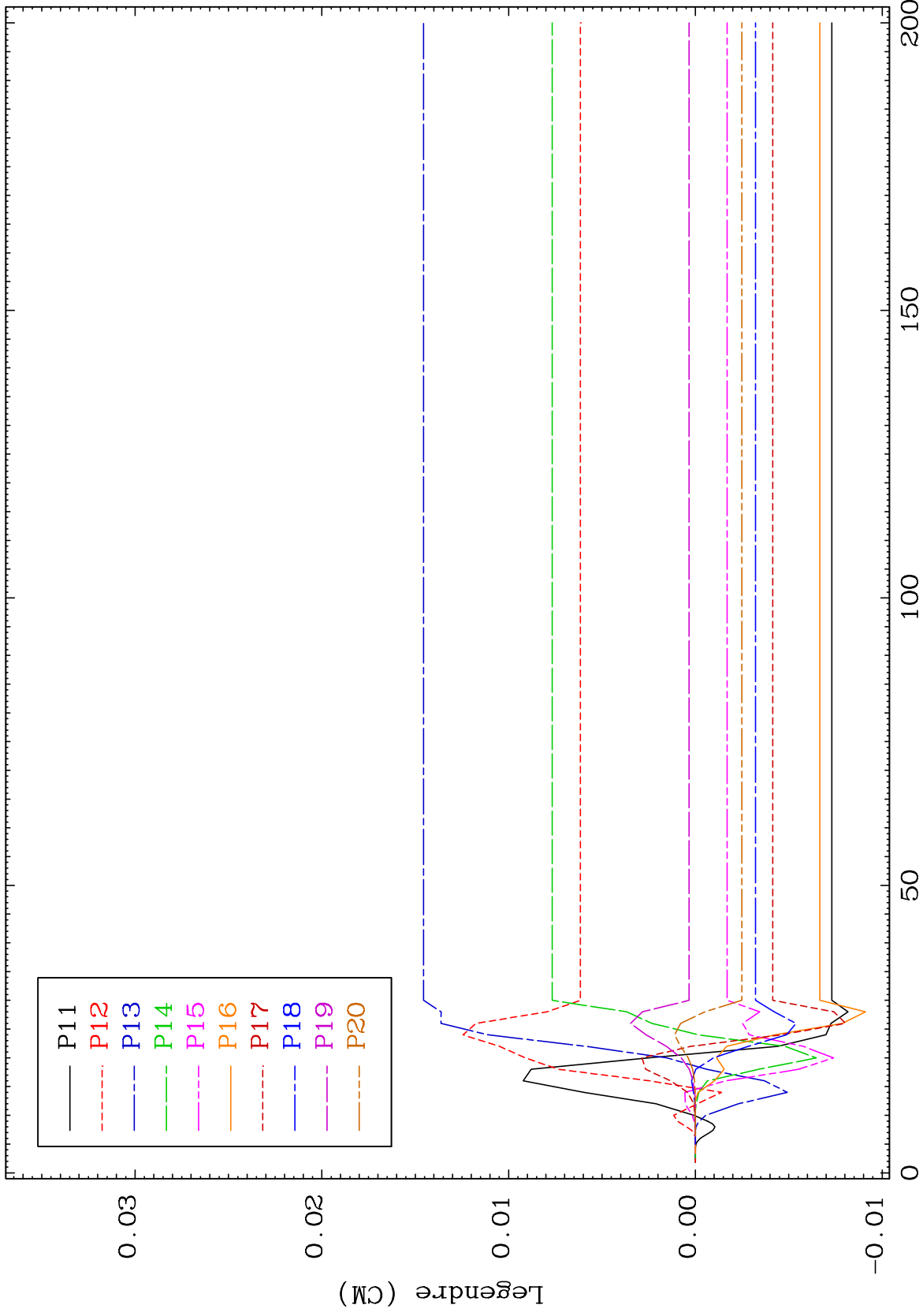
Incident Energy (MeV)

81-Tl-198

MAT 8110

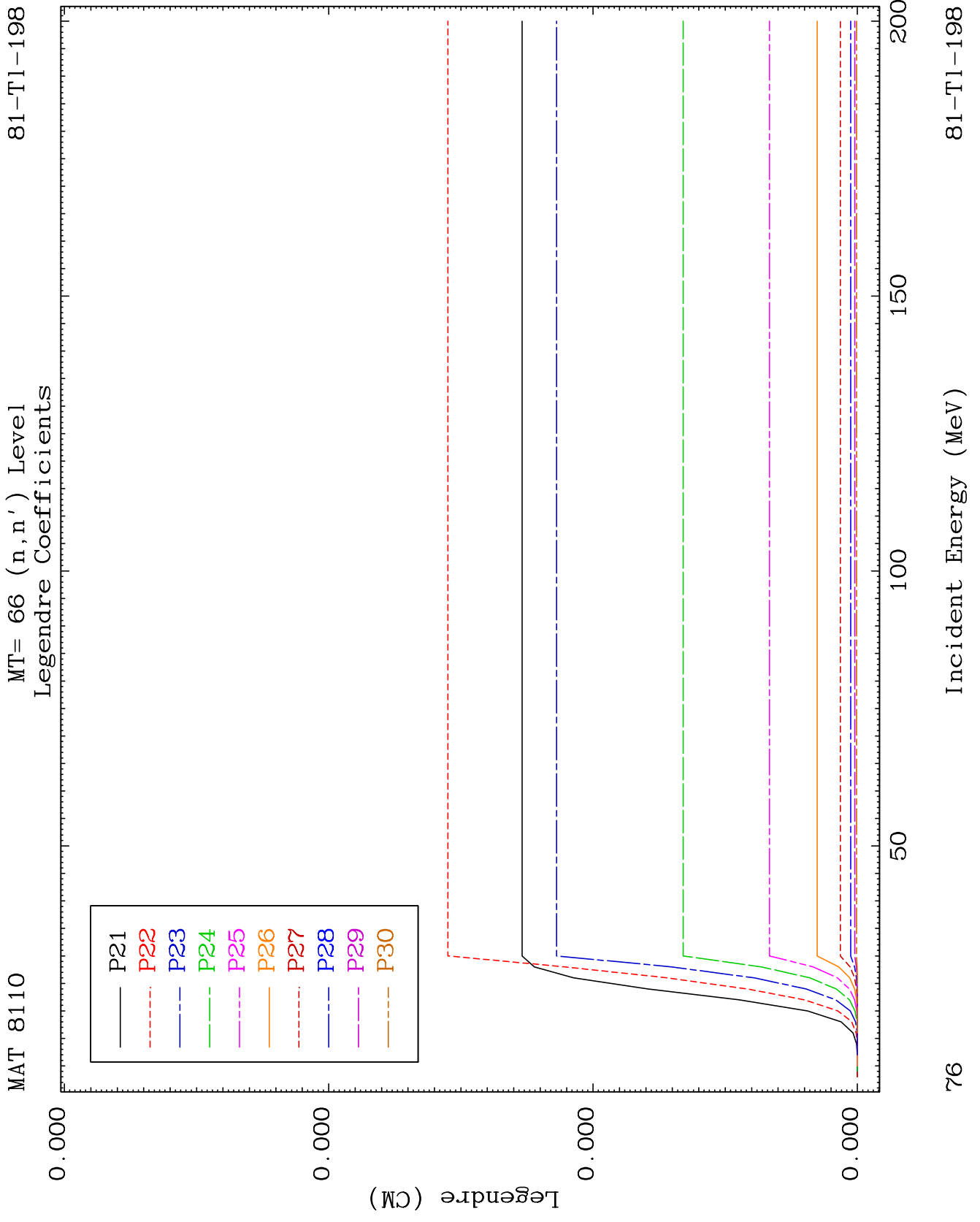
MT= 66 (n,n') Level
Legendre Coefficients

81-T1-198



75

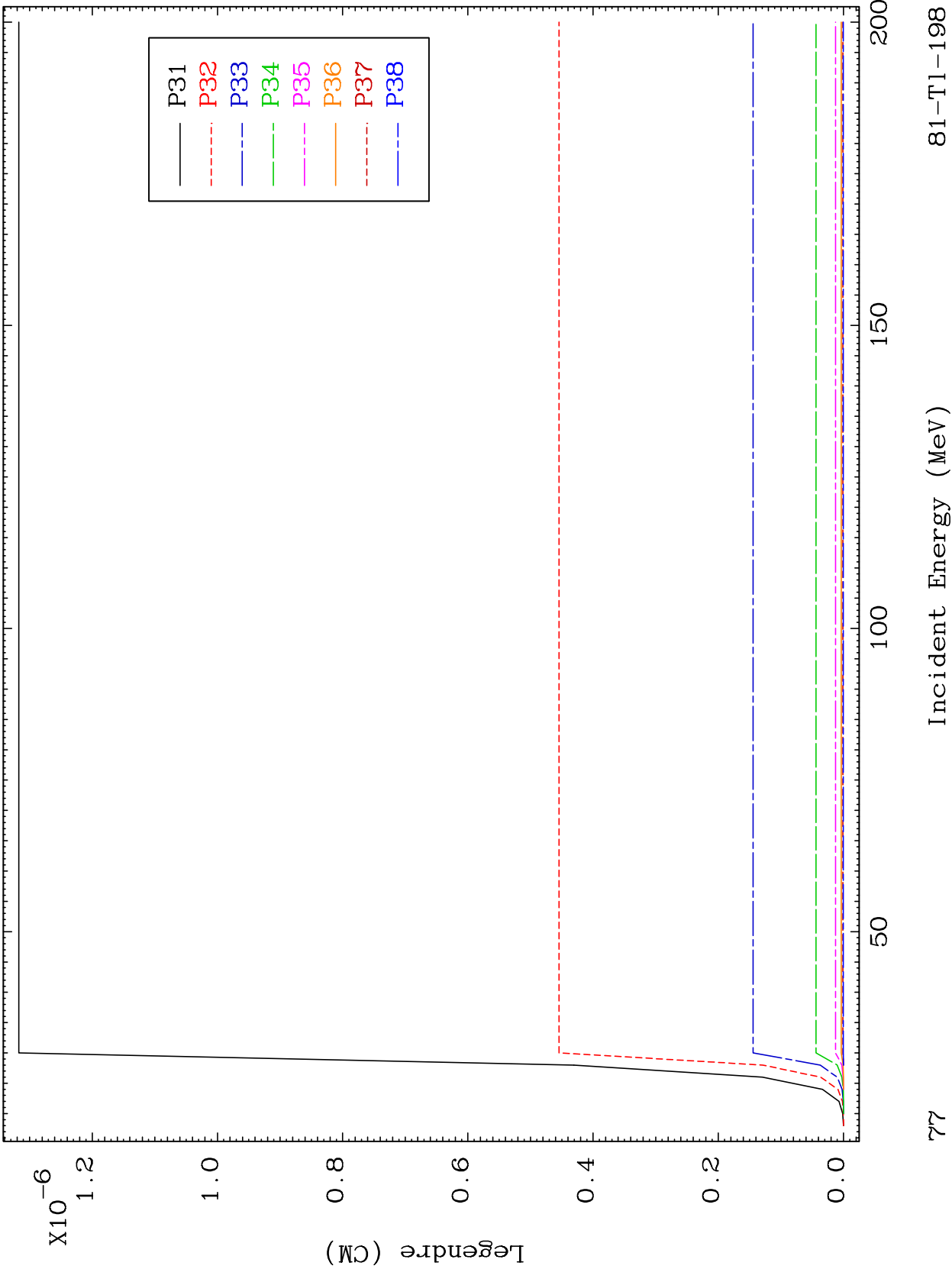
81-T1-198



MAT 8110

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

81-T1-198



77

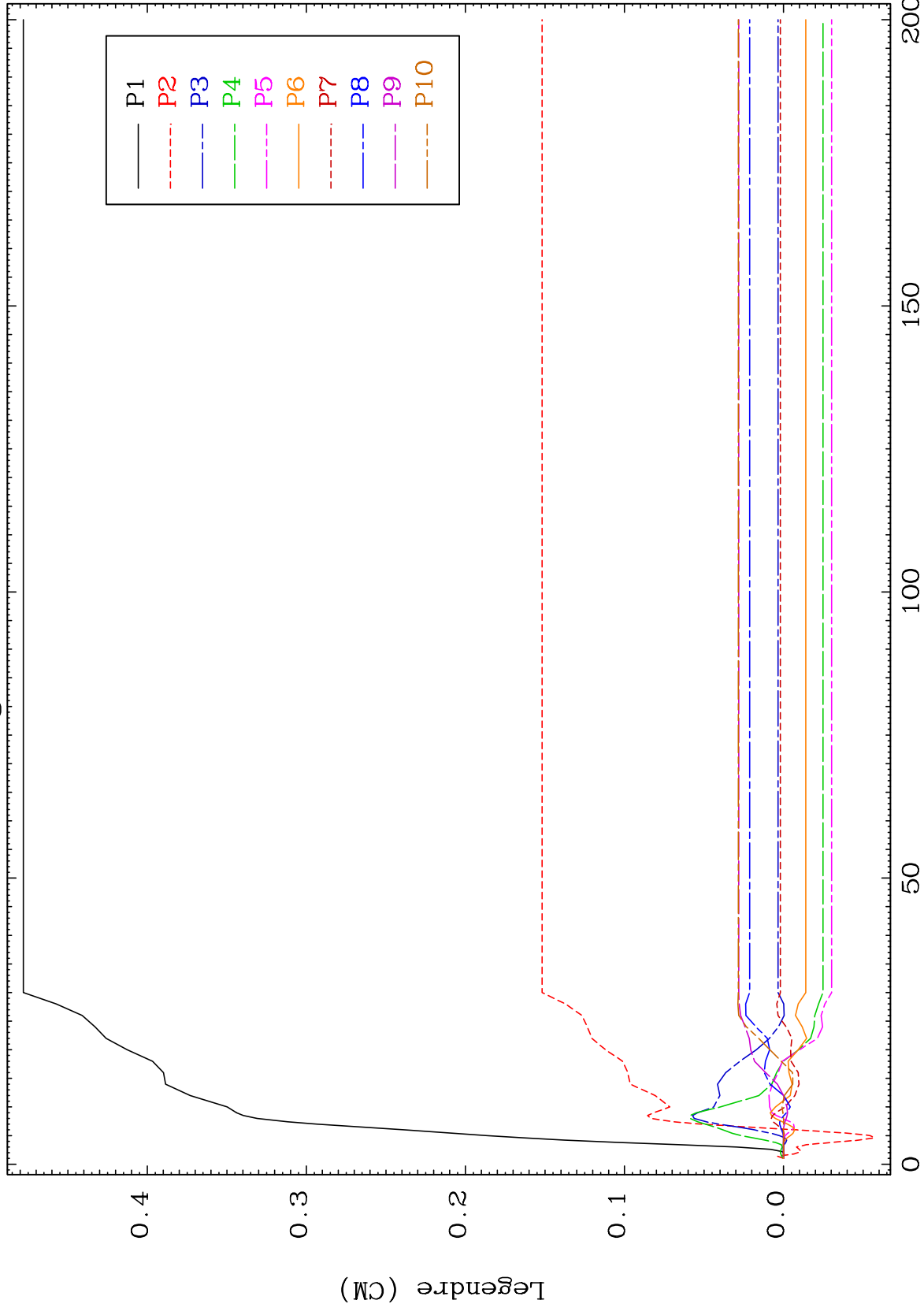
Incident Energy (MeV)

81-T1-198

MAT 8110

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

81-T1-198



78

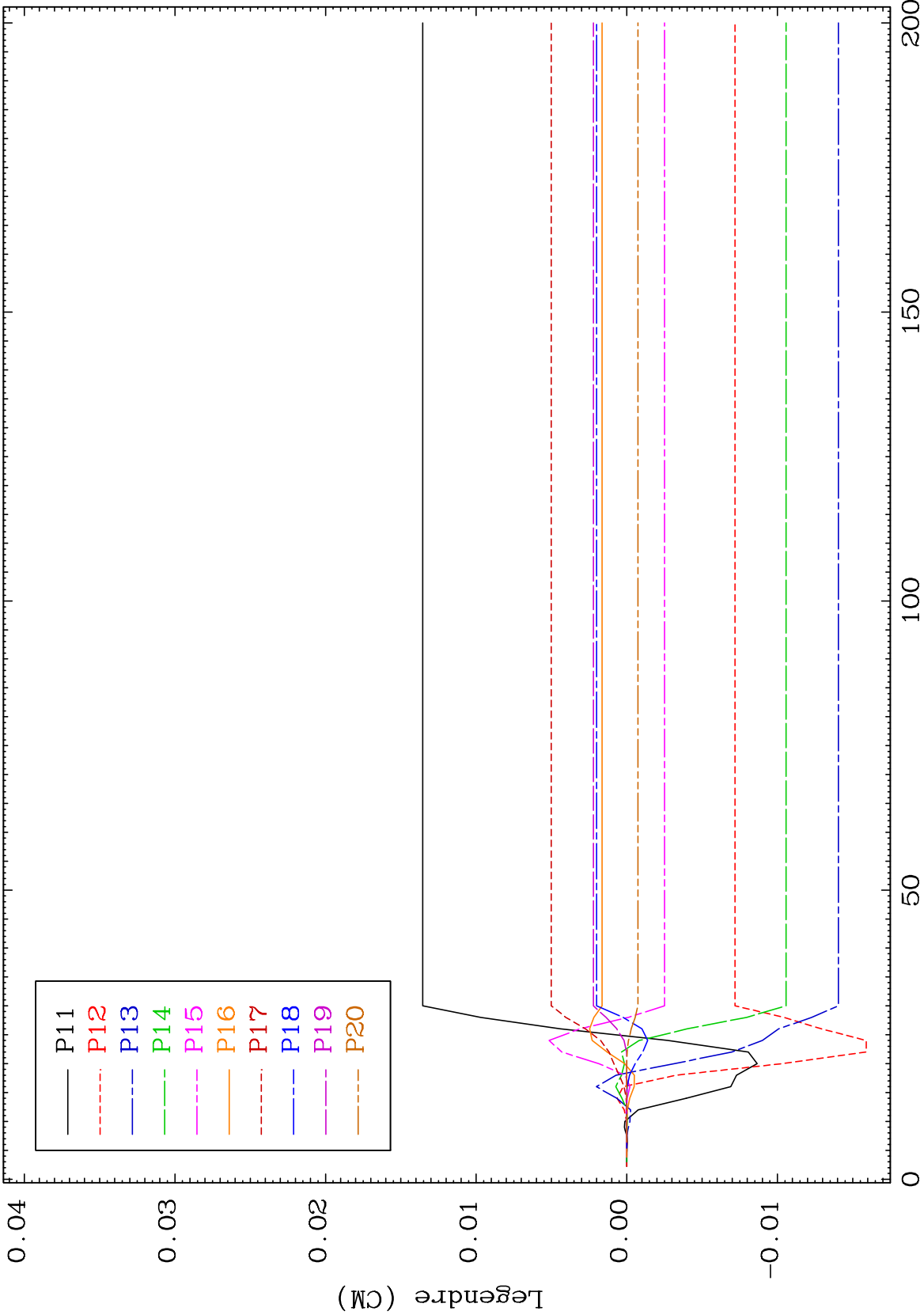
Incident Energy (MeV)

81-T1-198

MAT 8110

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

81-T1-198



79

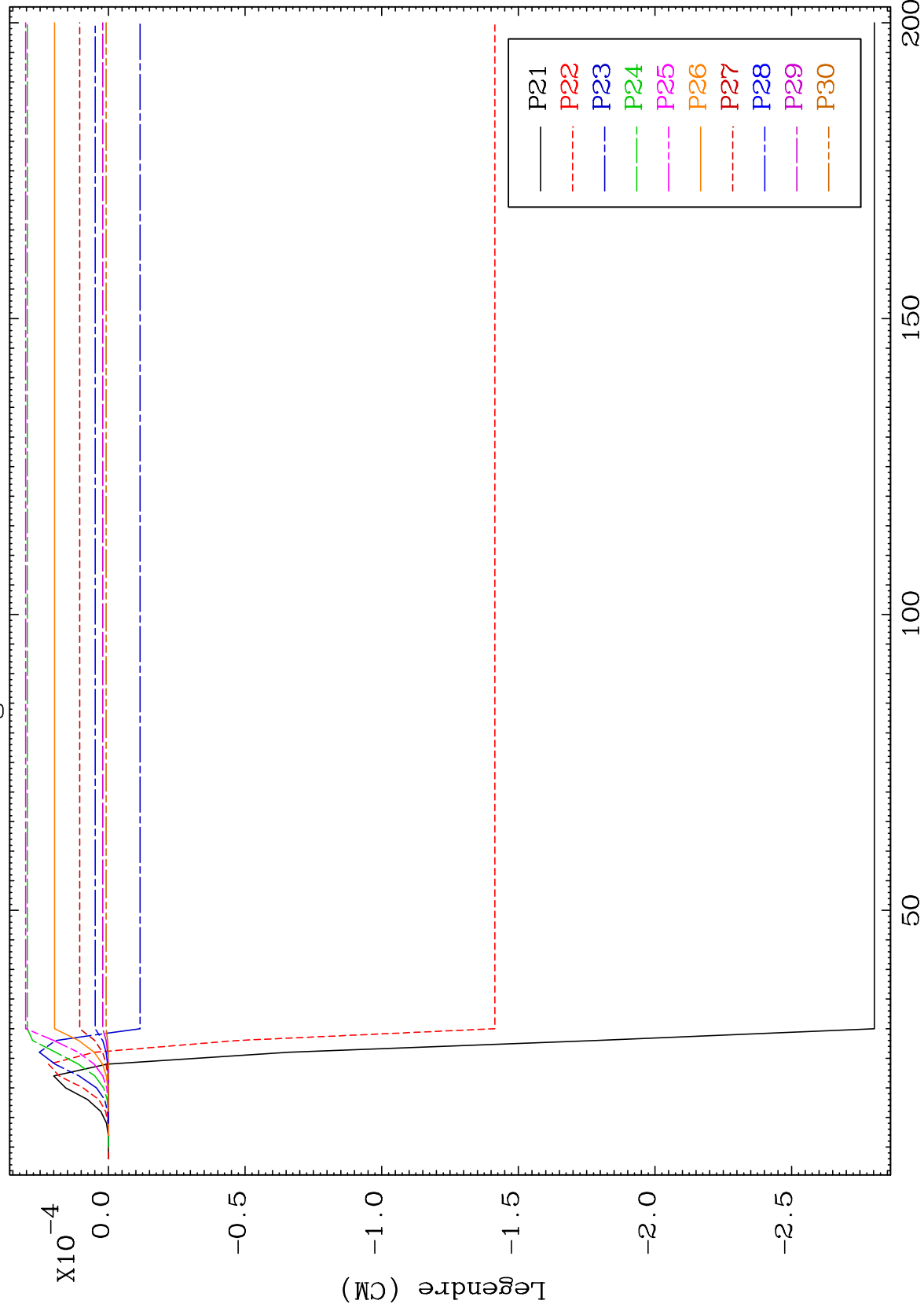
Incident Energy (MeV)

81-T1-198

MAT 8110

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

81-Tl-198



80

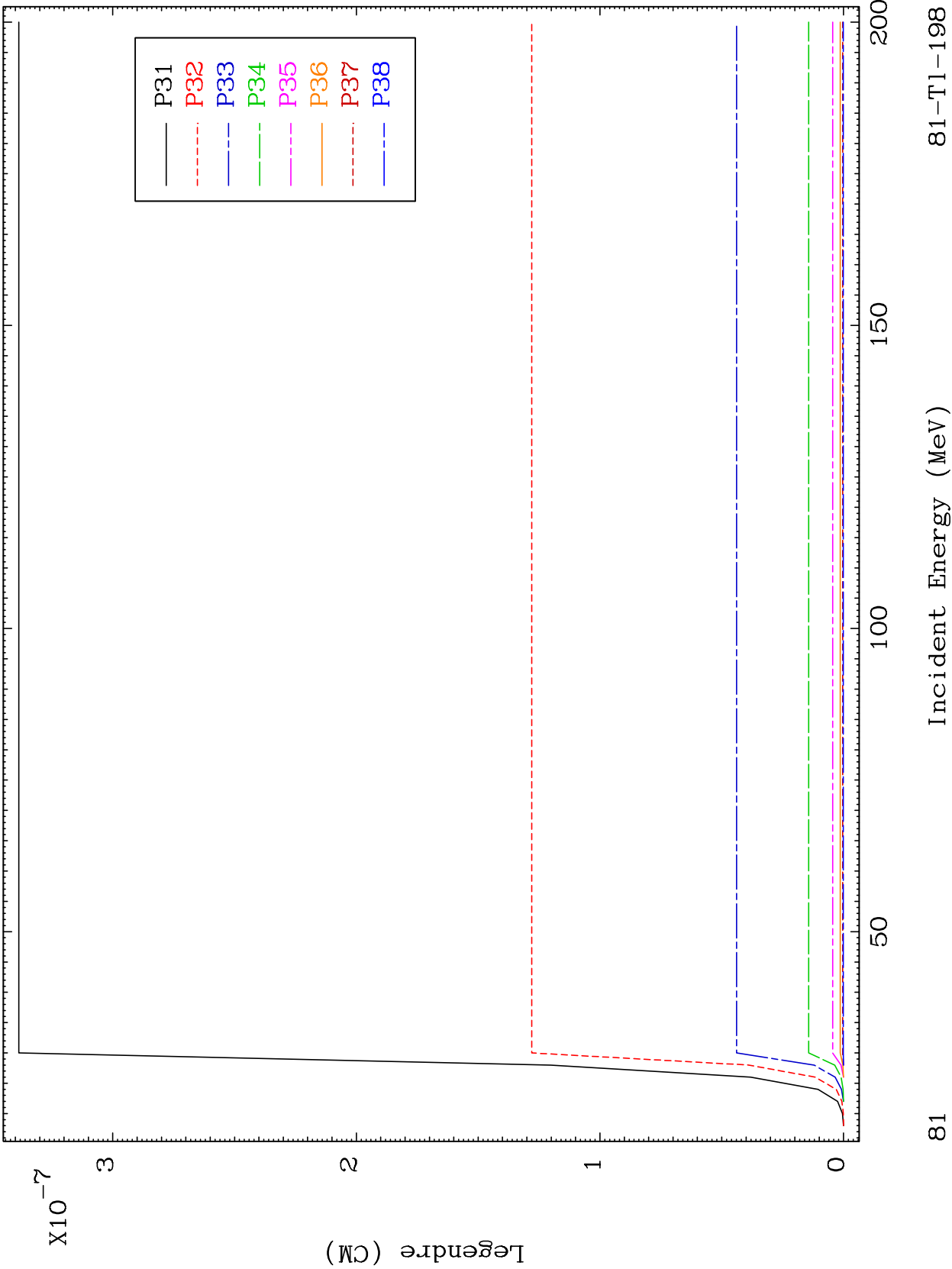
Incident Energy (MeV)

81-Tl-198

MAT 8110

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

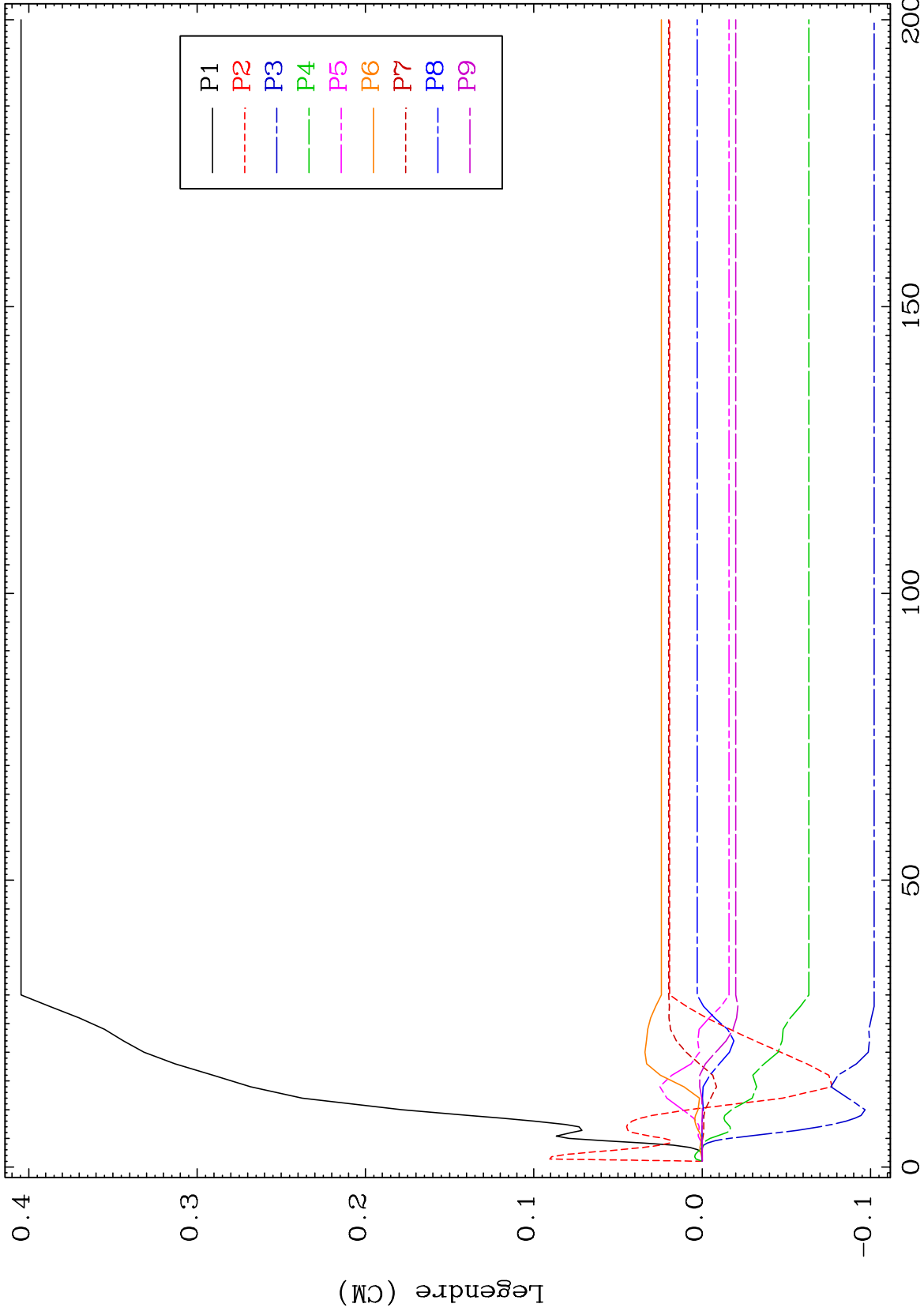
81-T1-198



81

Incident Energy (MeV)

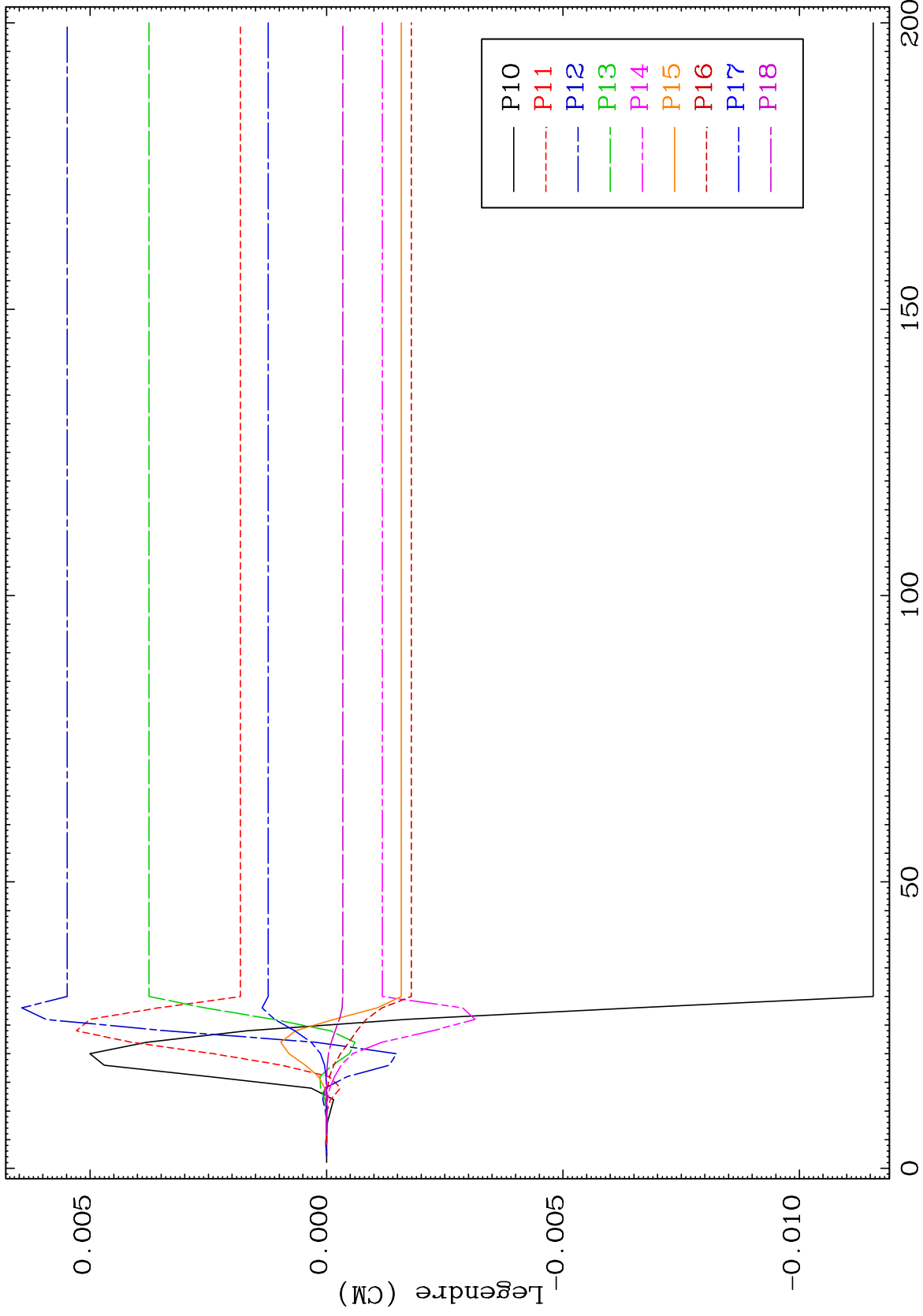
81-T1-198



MAT 8110

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

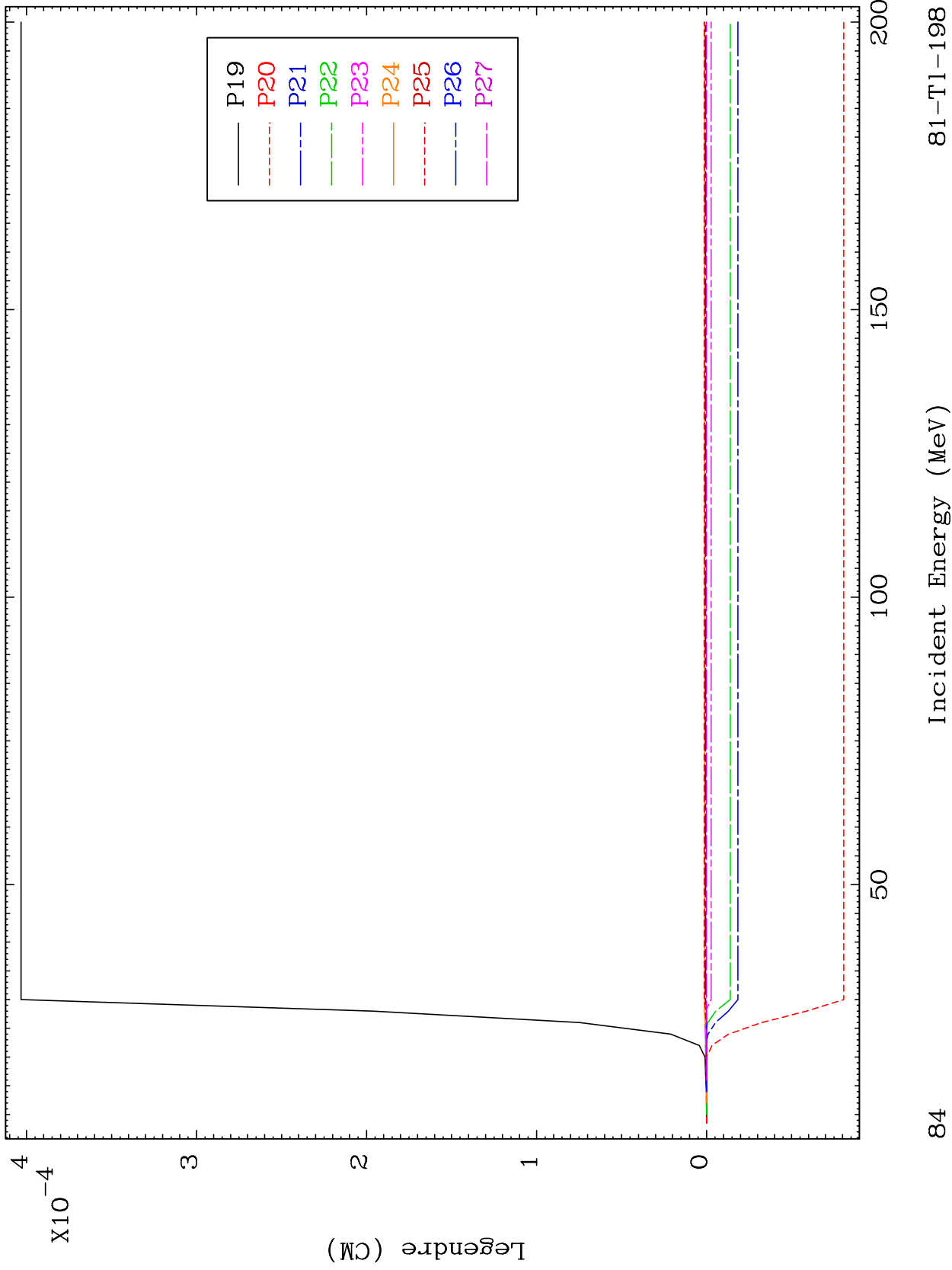
81-T1-198



83

Incident Energy (MeV)

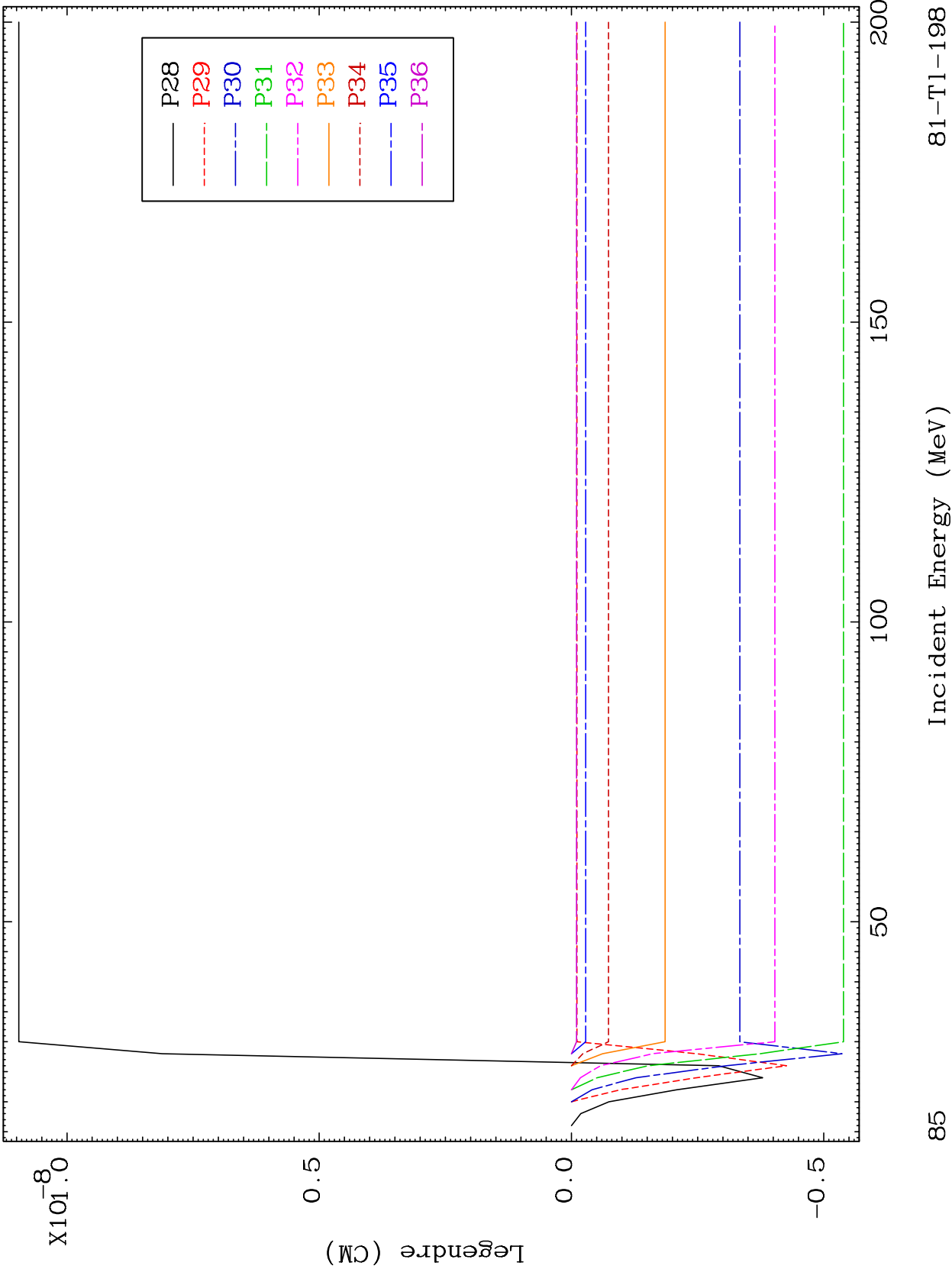
81-T1-198



MAT 8110

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

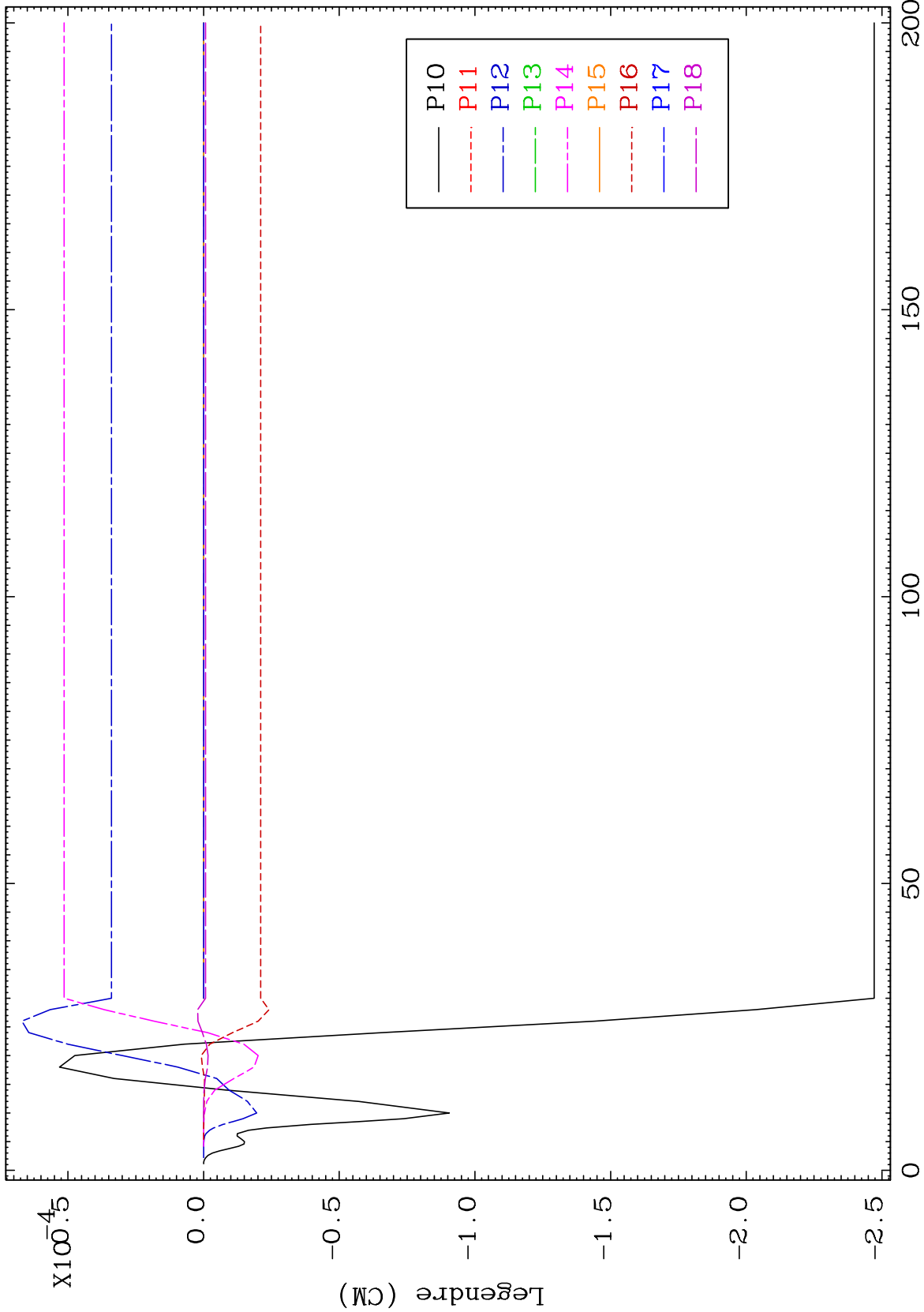
81-T1-198



MAT 8110

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

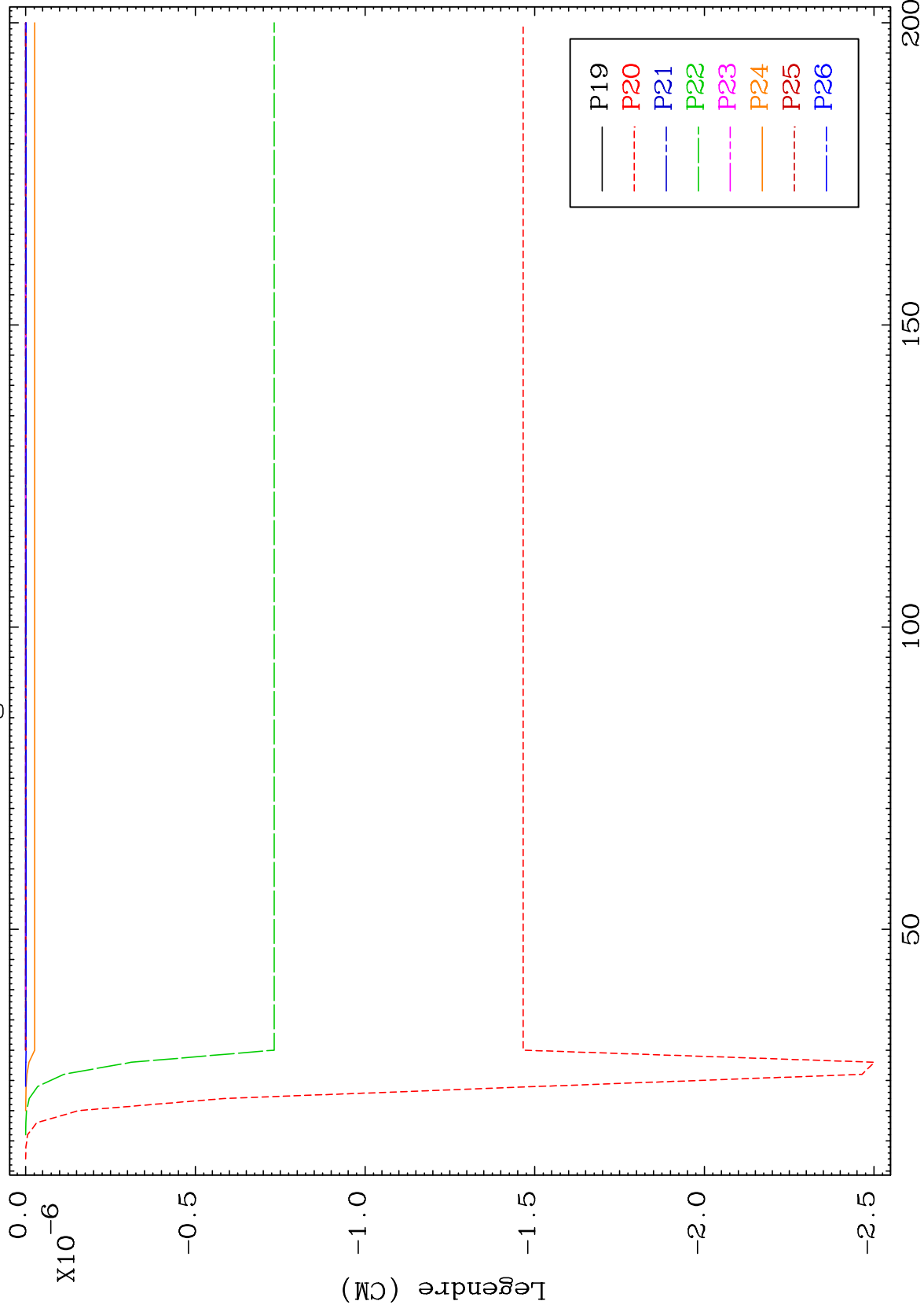
81-T1-198

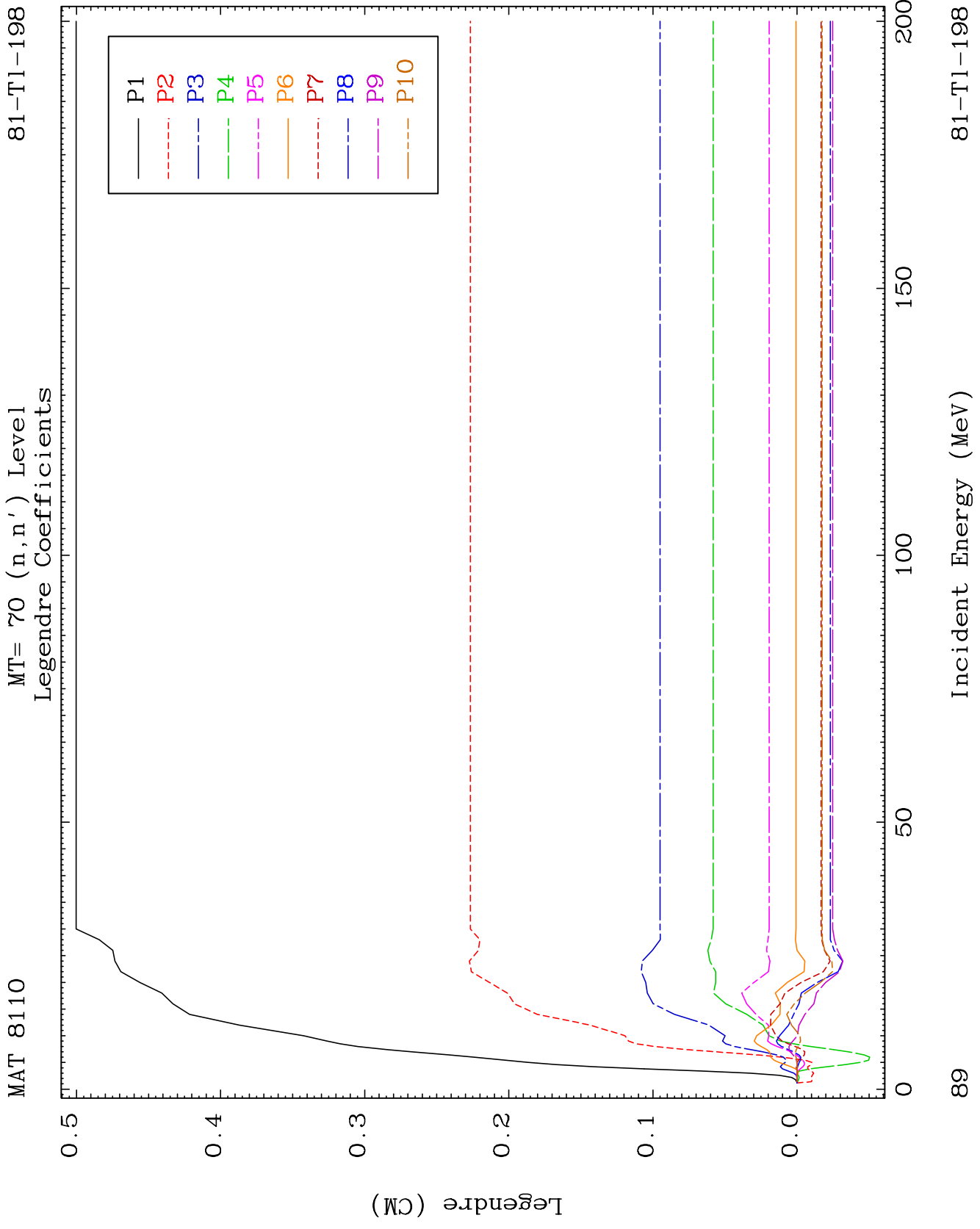


87

Incident Energy (MeV)

81-T1-198

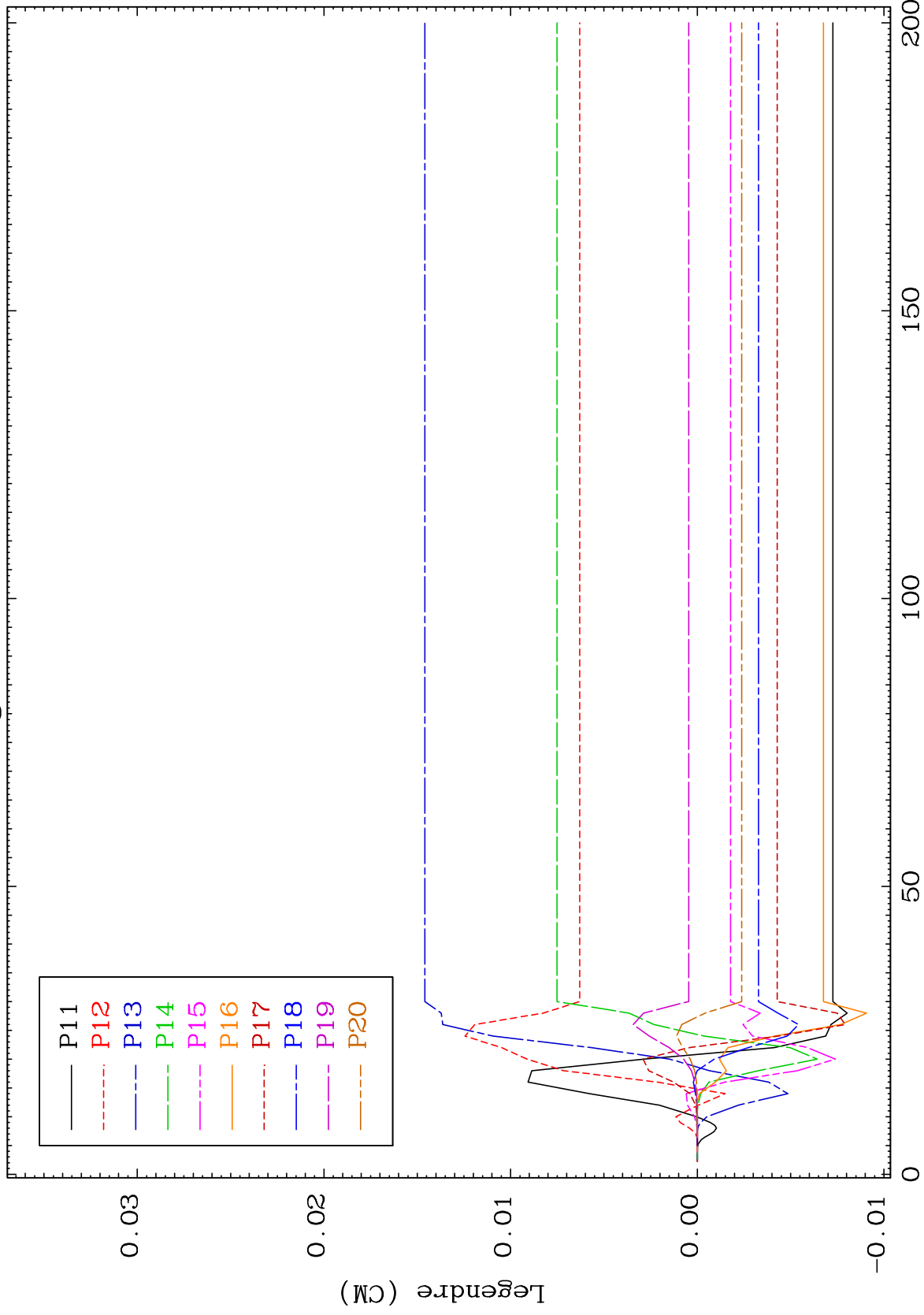




MAT 8110

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

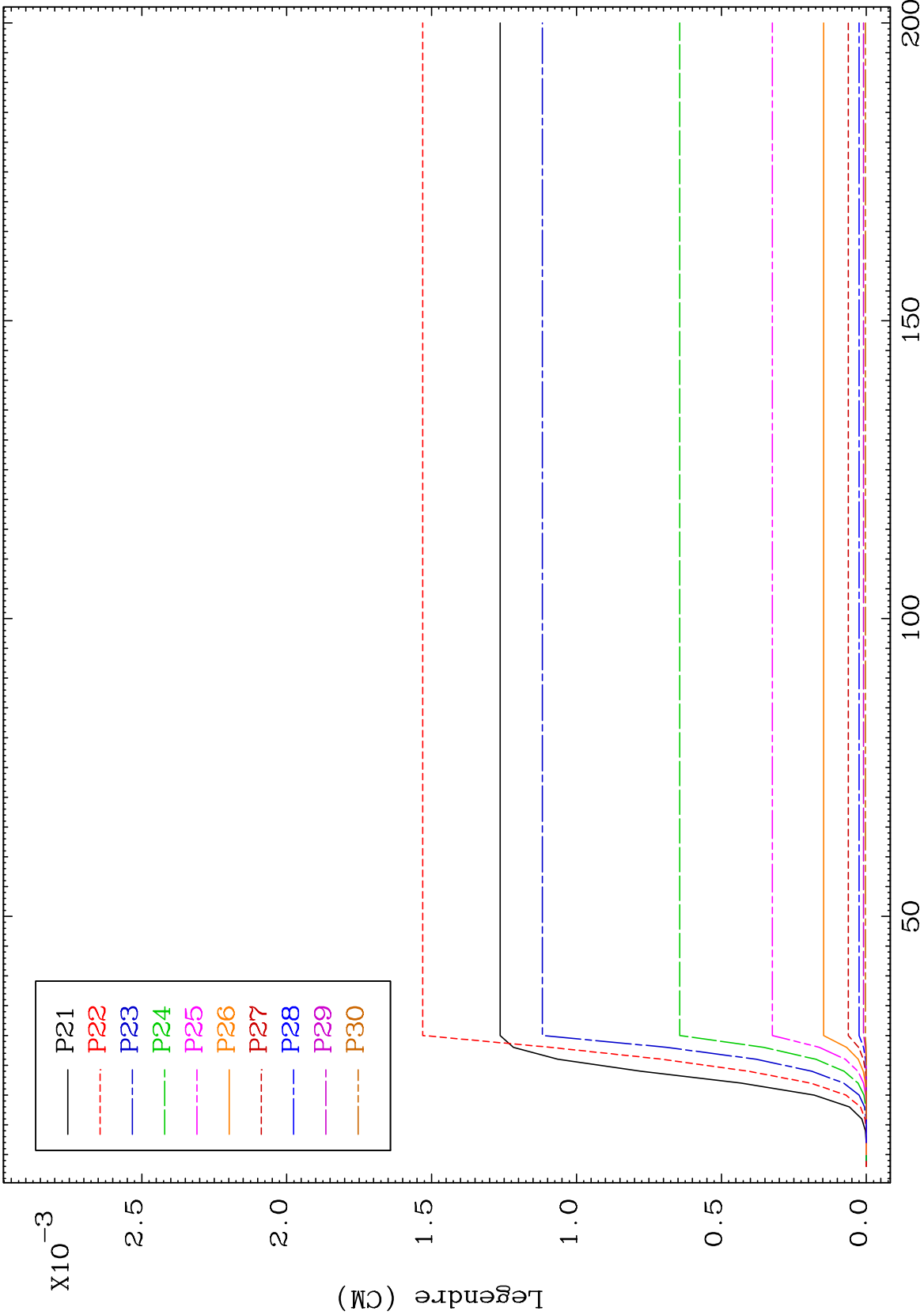
81-T1-198

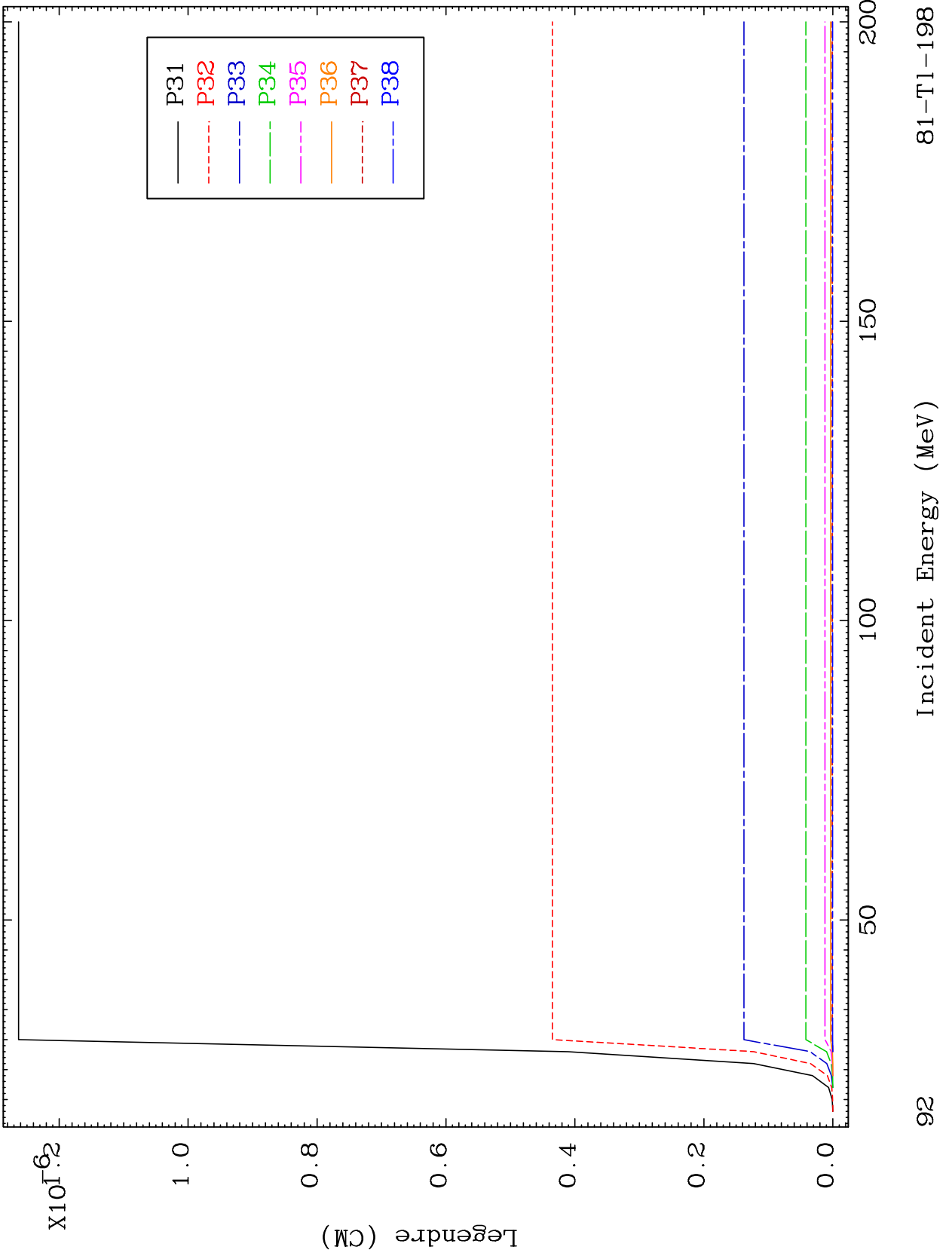


90

Incident Energy (MeV)

81-T1-198

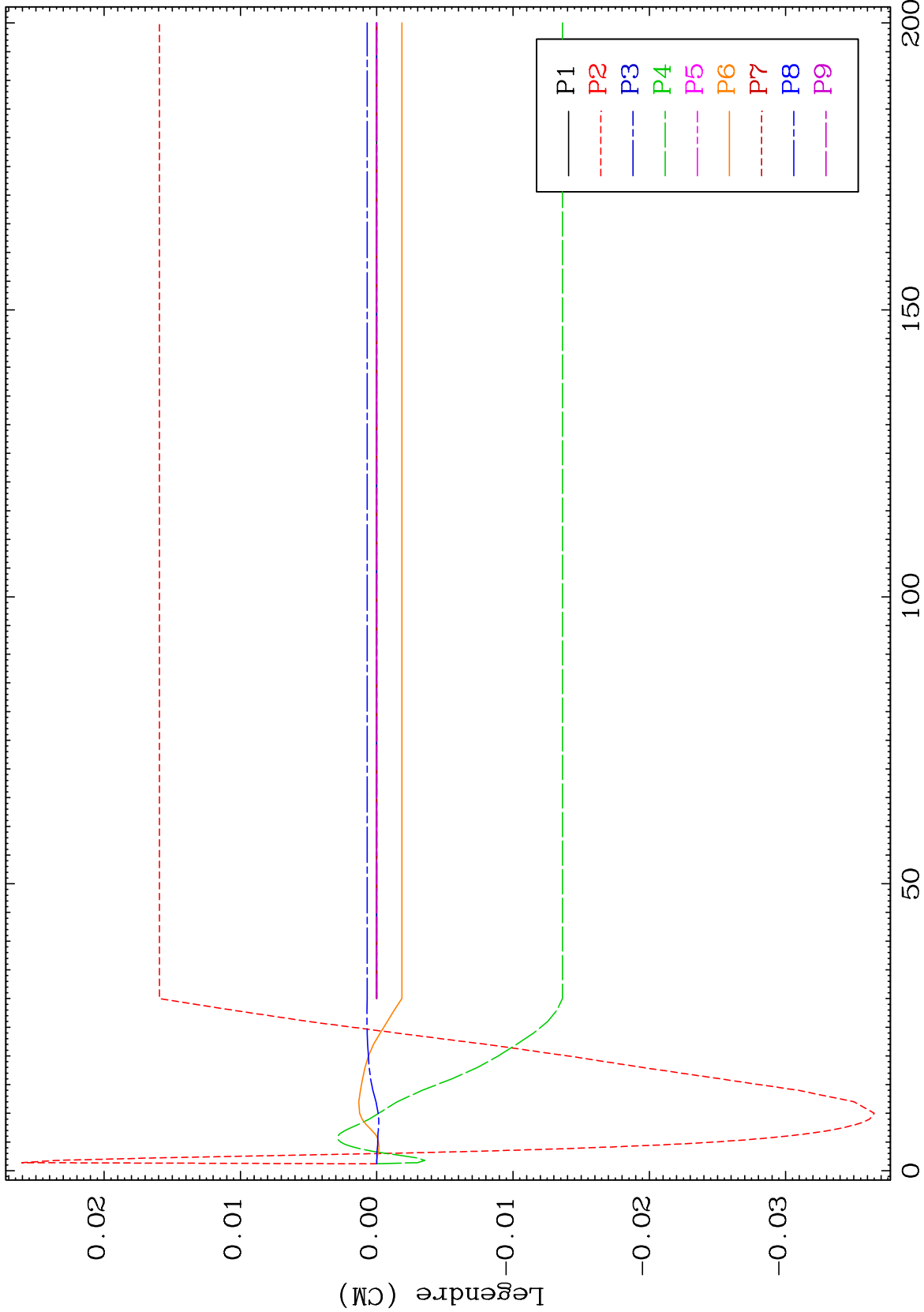




MAT 8110

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

81-T1-198



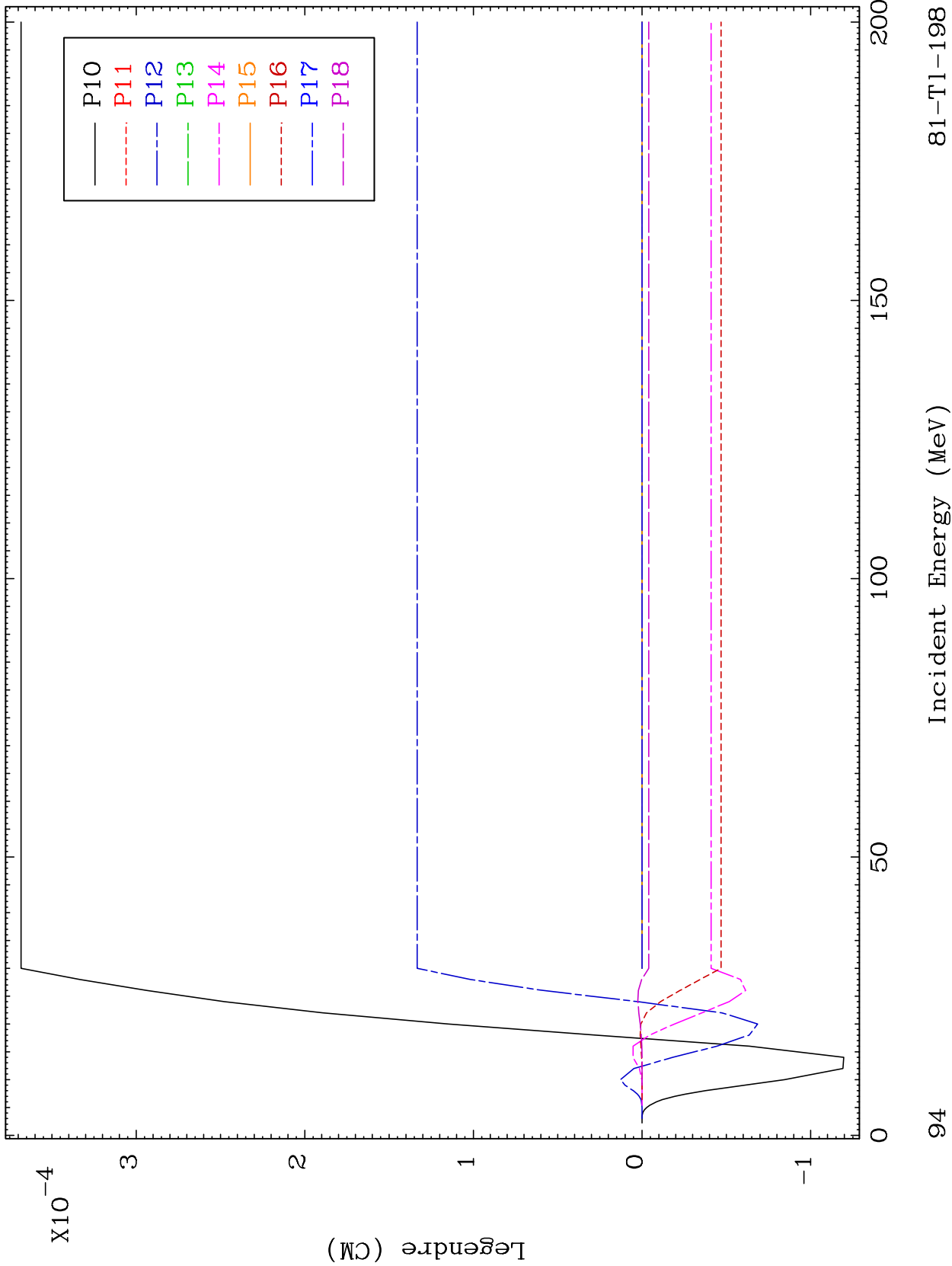
93

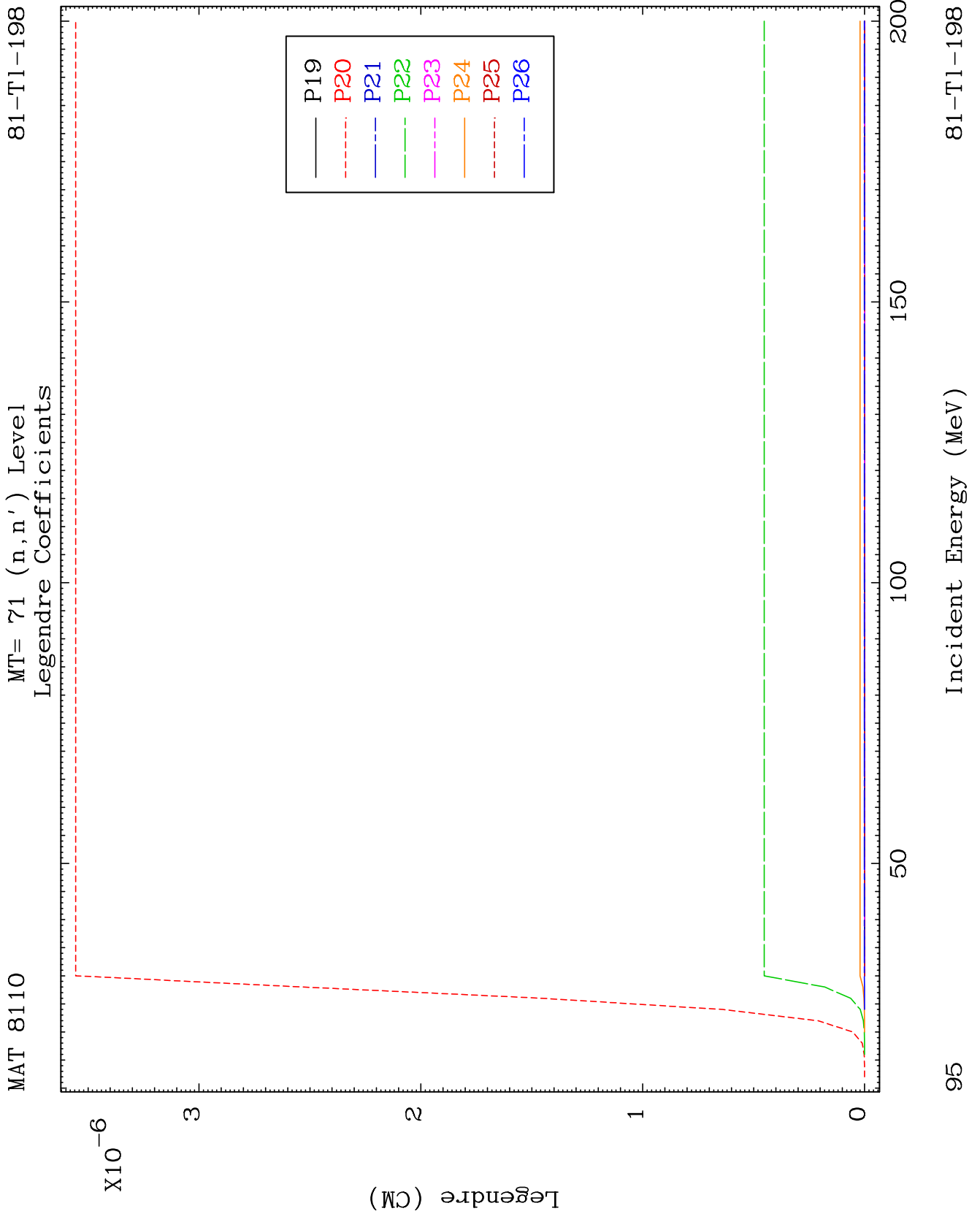
81-T1-198

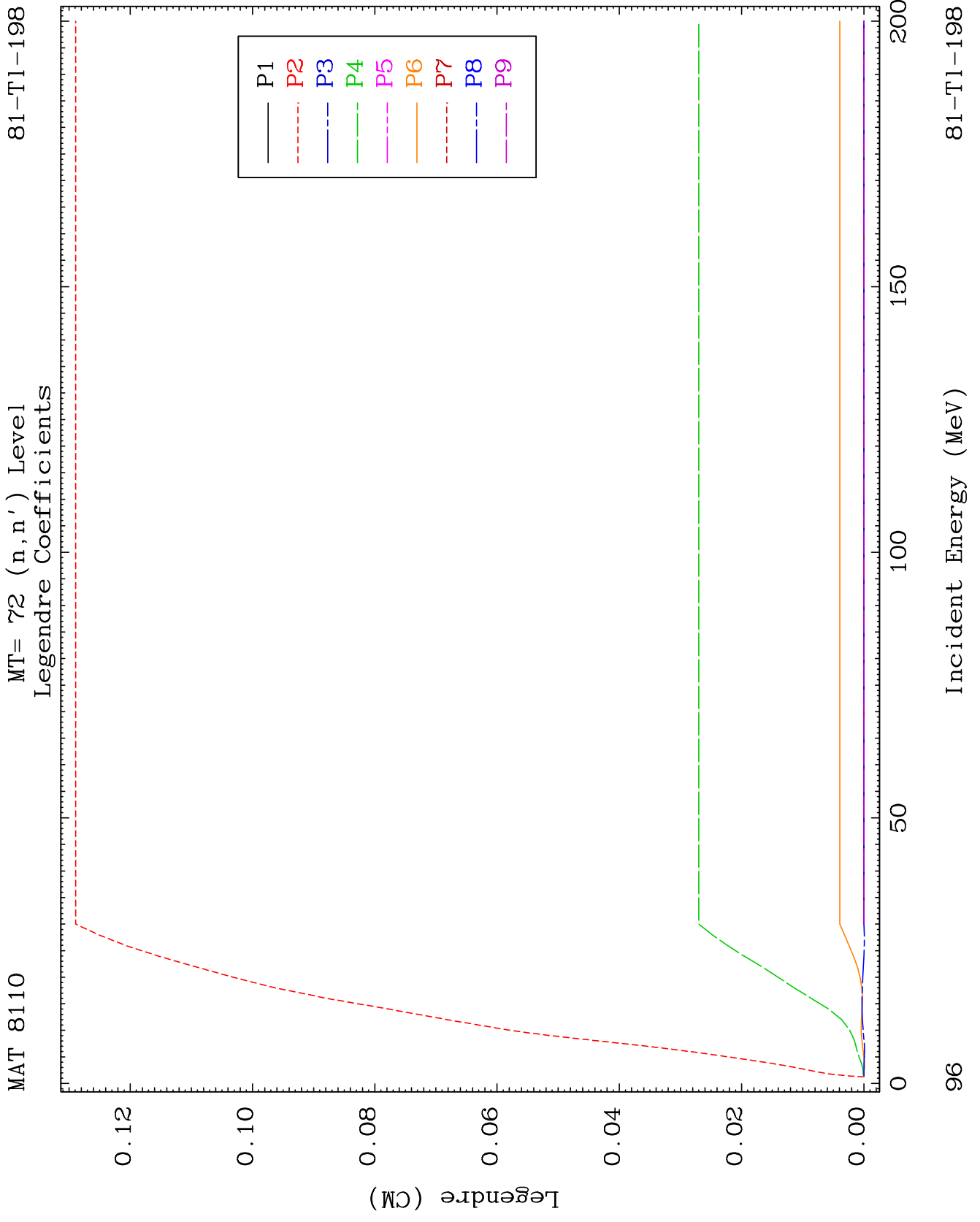
MAT 8110

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

81-T1-198







81-T1-198

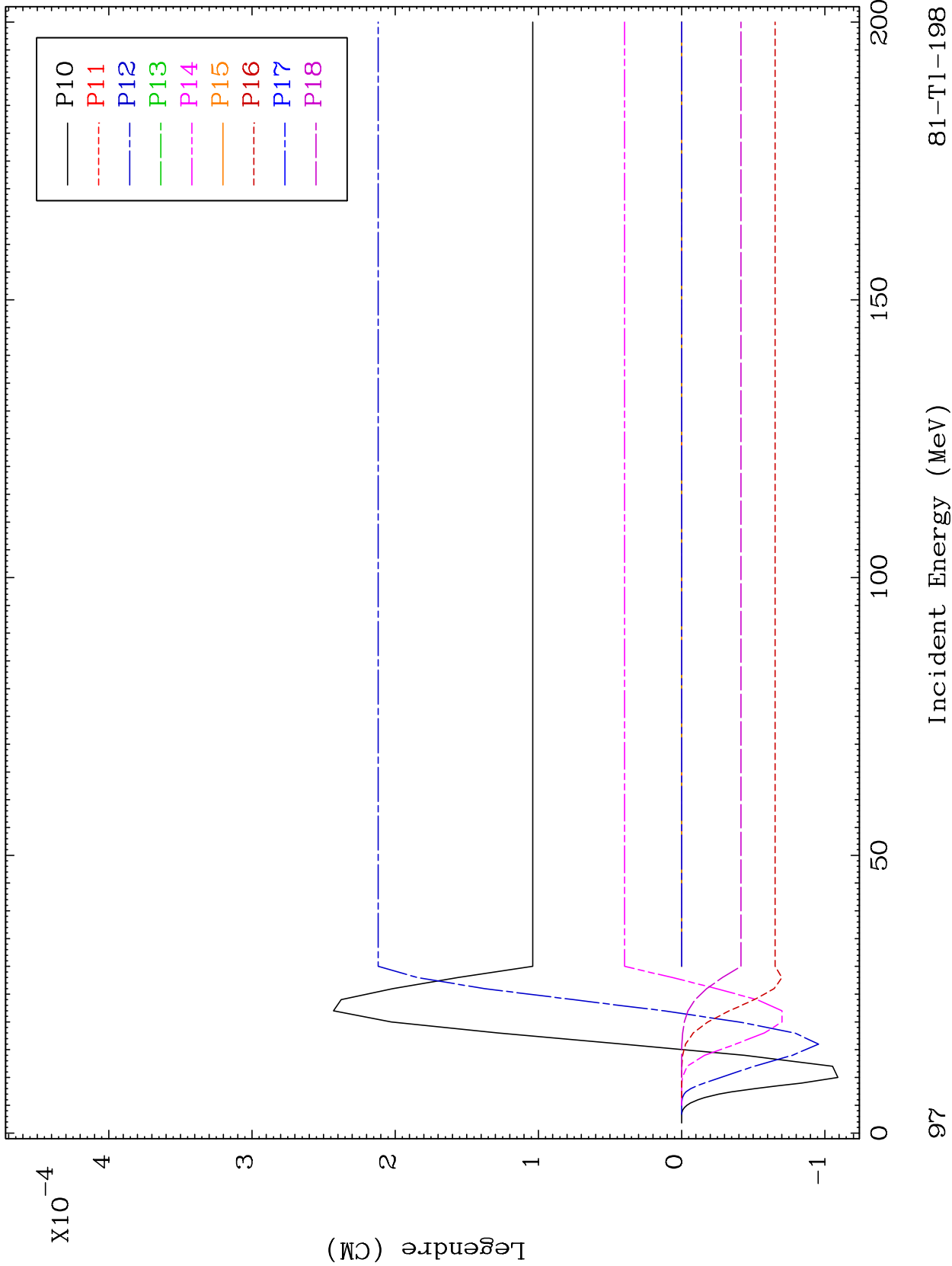
Incident Energy (MeV)

96

MAT 8110

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

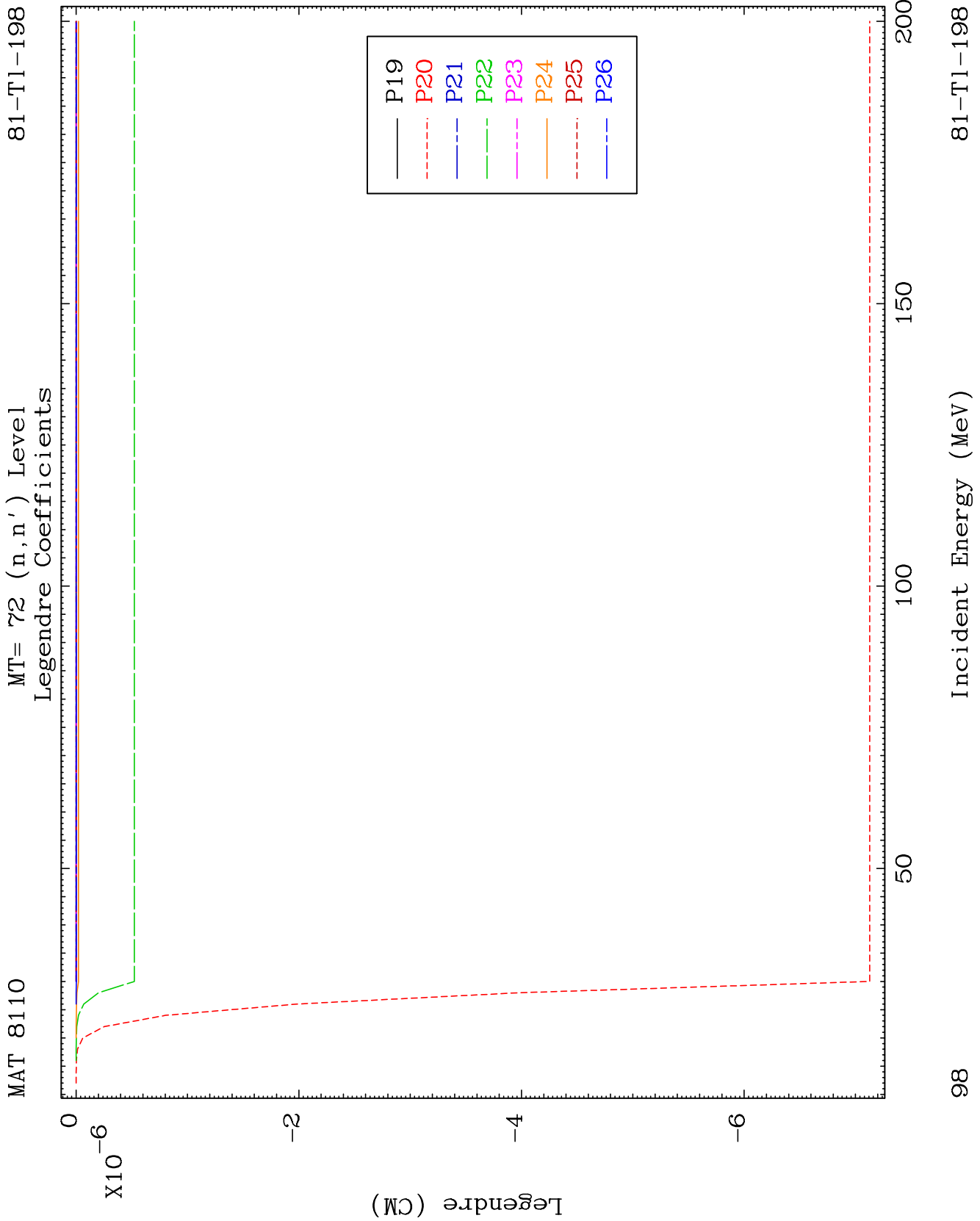
81-Tl-198



97

Incident Energy (MeV)

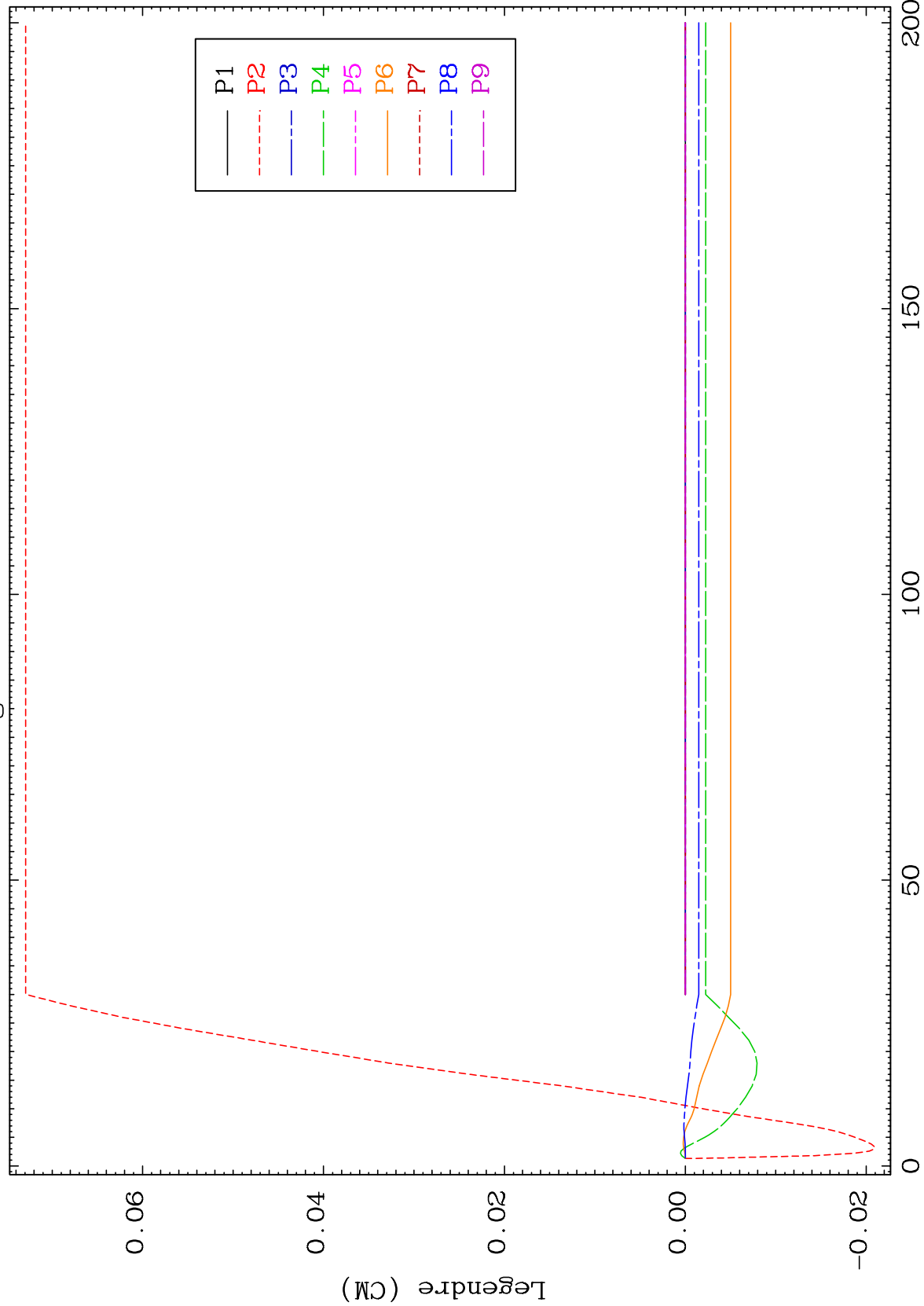
81-Tl-198



MAT 8110

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

81-T1-198



99

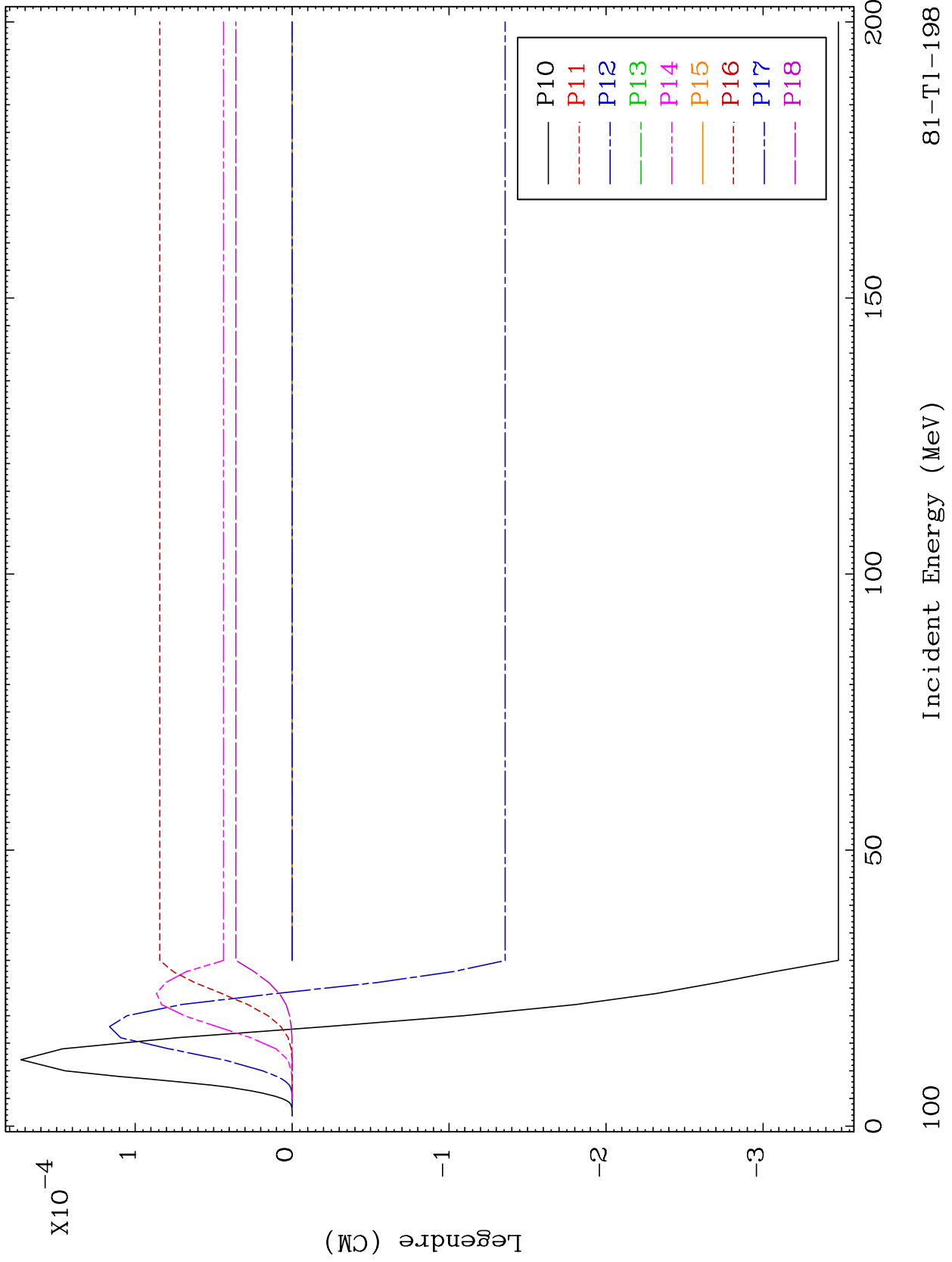
Incident Energy (MeV)

81-T1-198

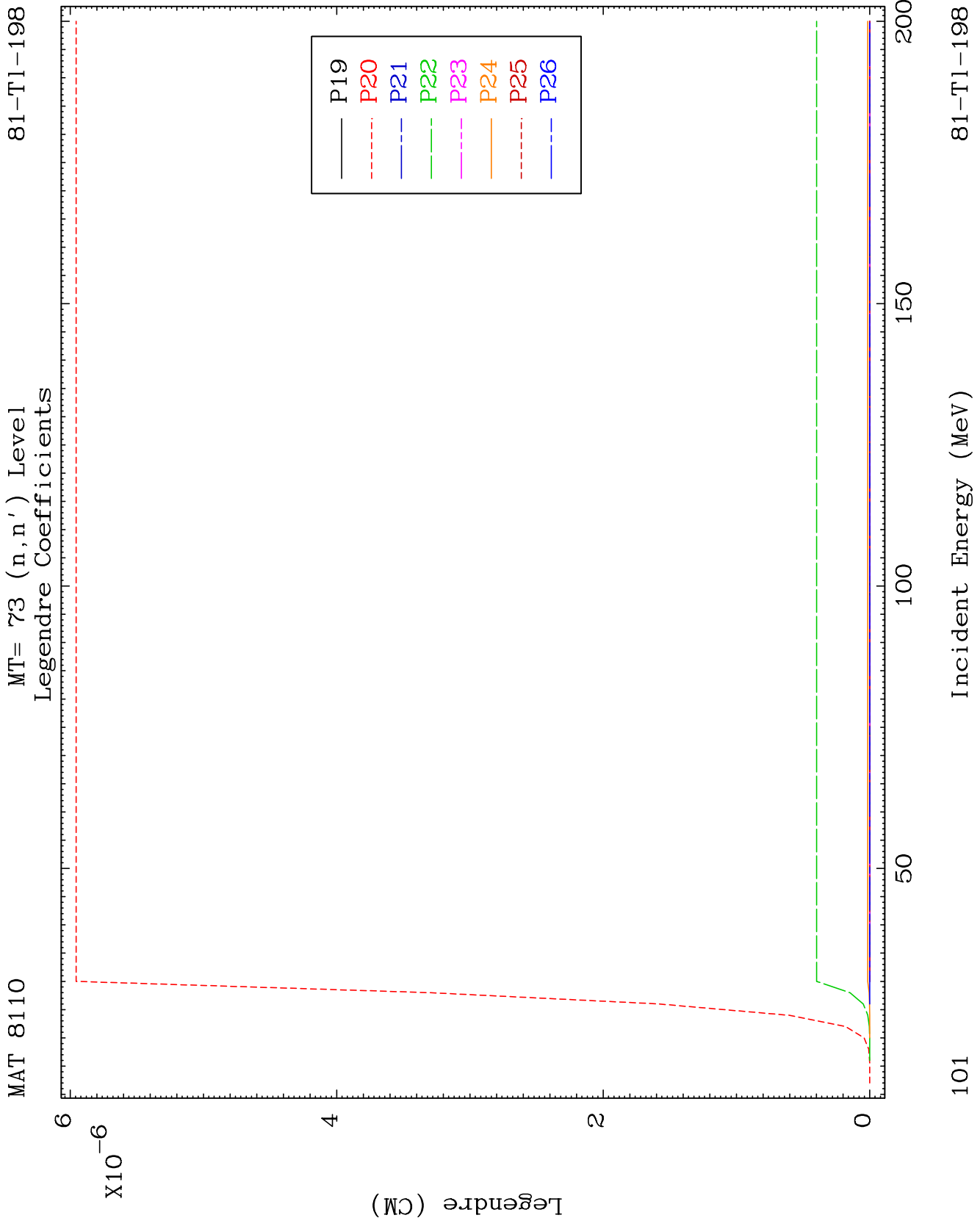
MAT 8110

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

81-Tl-198



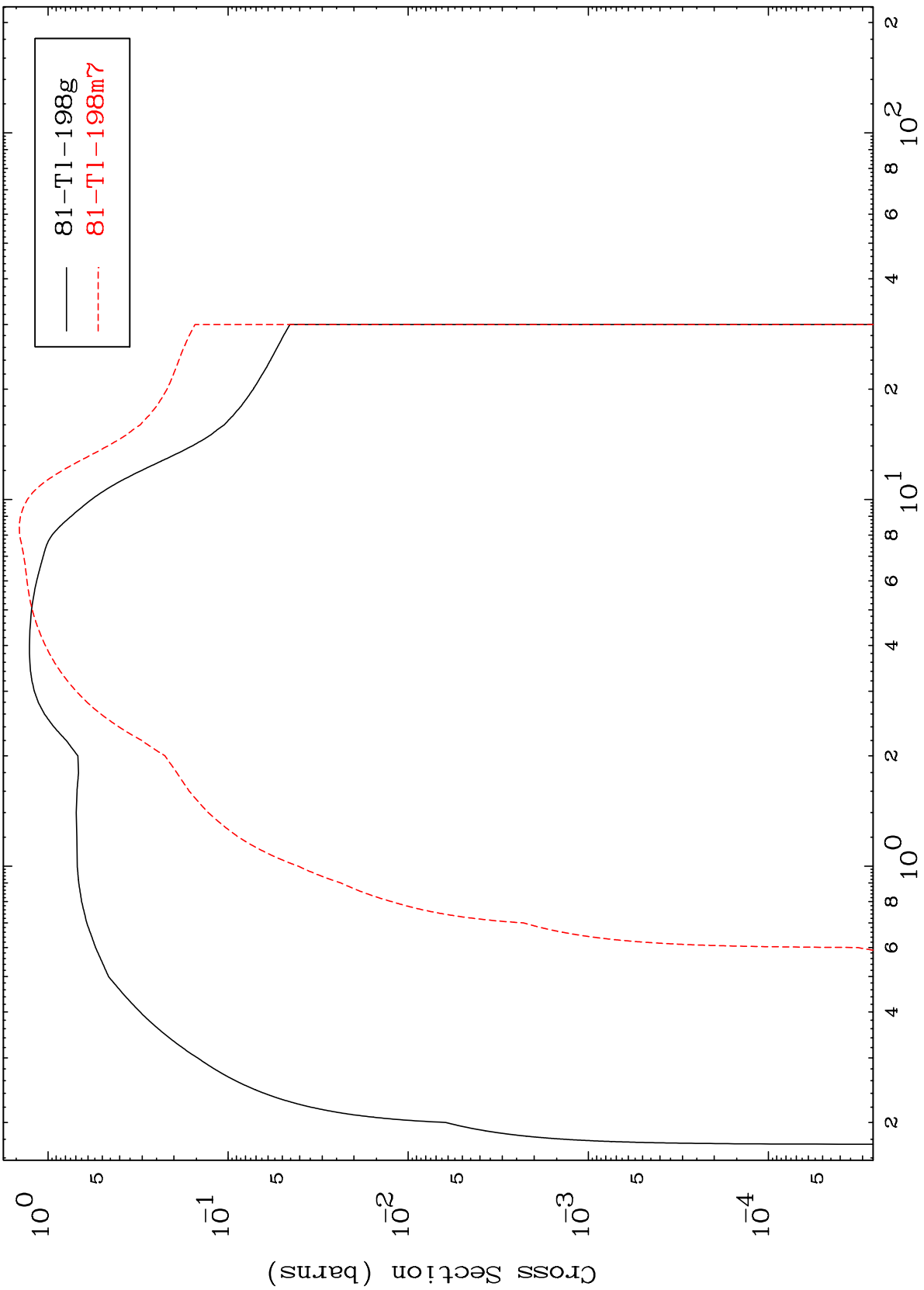
81-Tl-198



MAT 8110

81-Tl-198

Inelastic
Radionuclide Production Cross Section

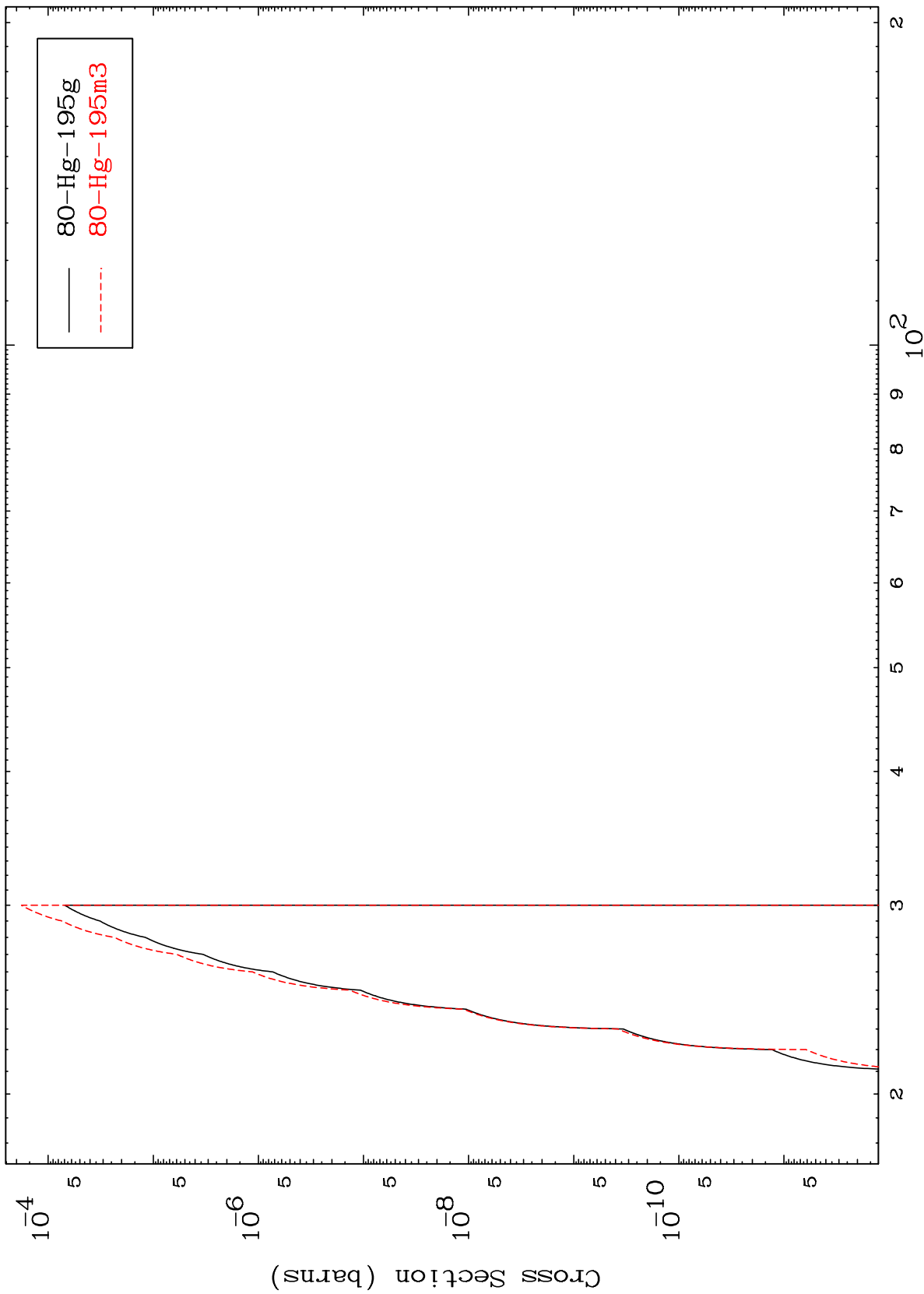


102

Incident Energy (MeV)

81-Tl-198

Radionuclide Production Cross Section

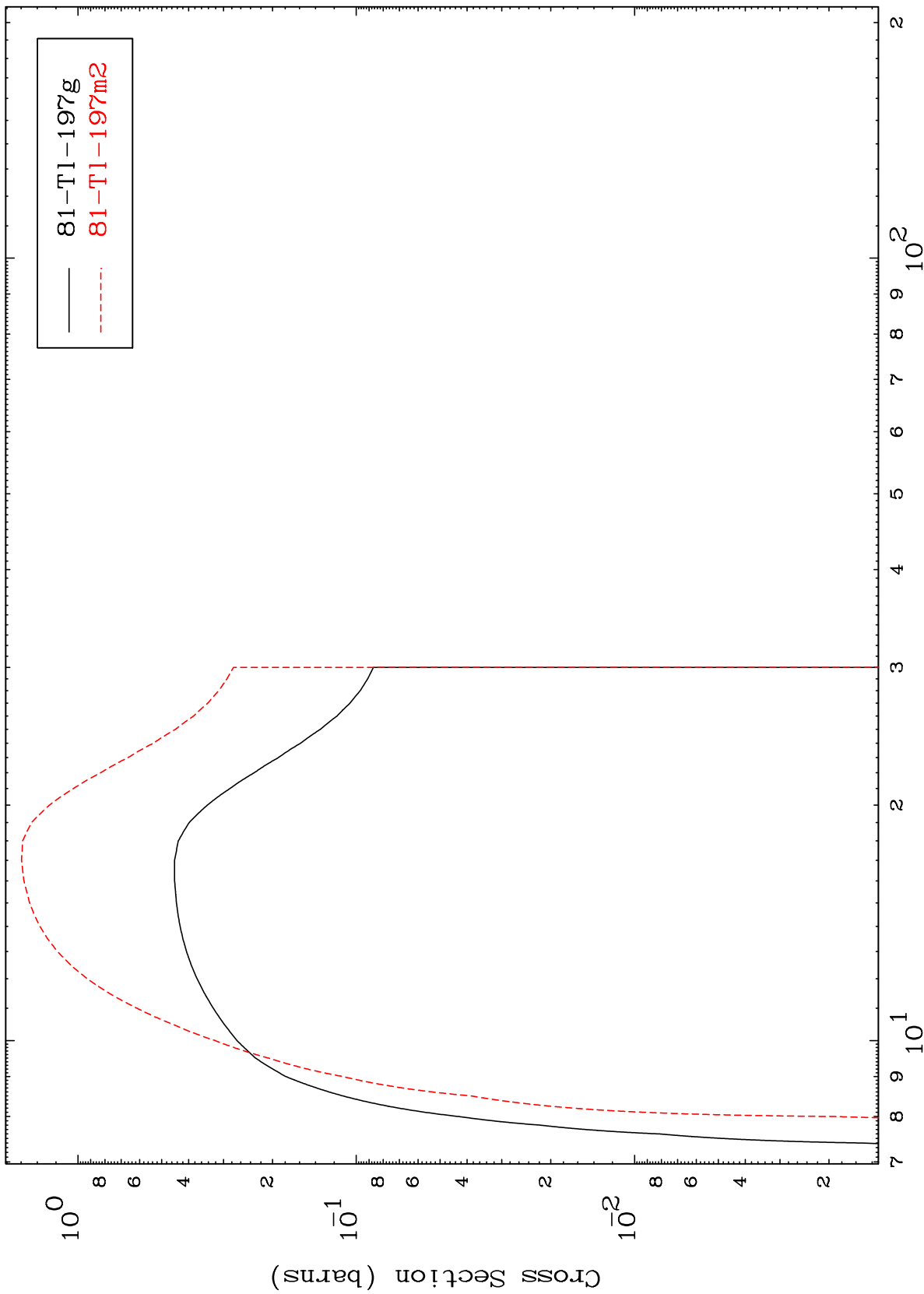


80-Hg-195g
80-Hg-195m3

MAT 8110

81-Tl-198

(n,2n)
Radionuclide Production Cross Section



104

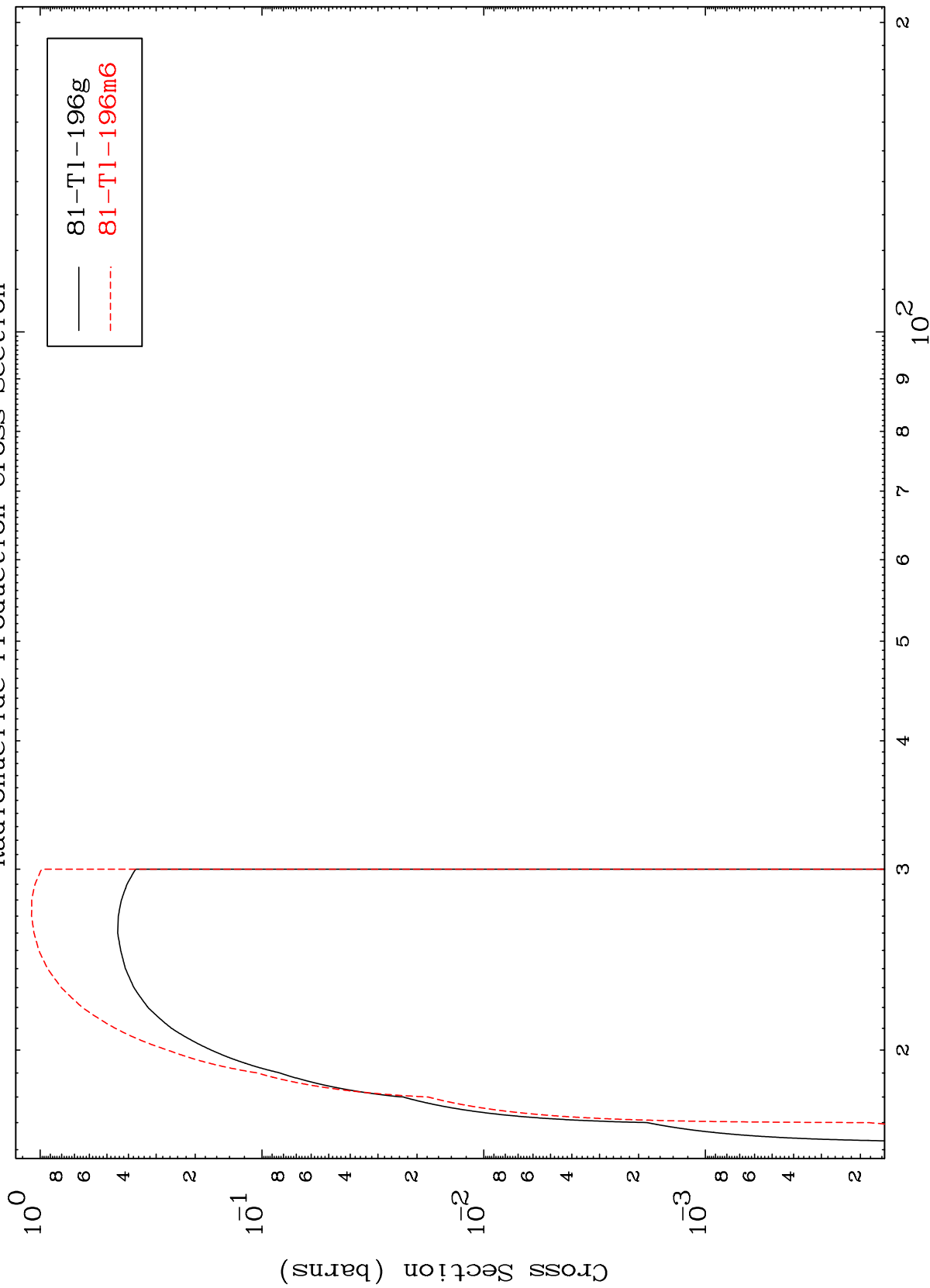
Incident Energy (MeV)

81-Tl-198

MAT 8110

81-Tl-198

(n,3n)
Radionuclide Production Cross Section



105

Incident Energy (MeV)

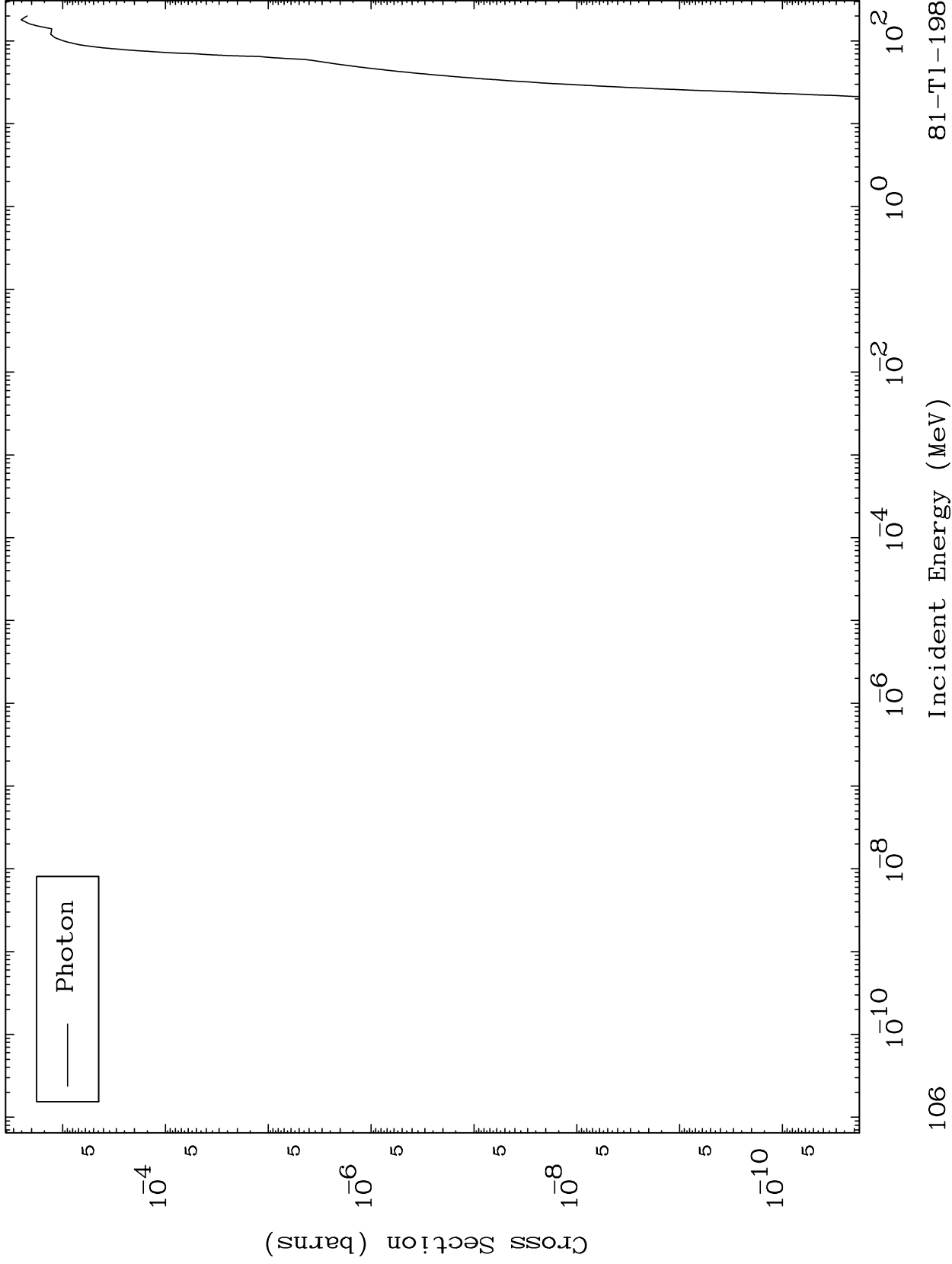
81-Tl-198

MAT 8110

Fission

81-Tl-198

Radionuclide Production Cross Section



106

Incident Energy (MeV)

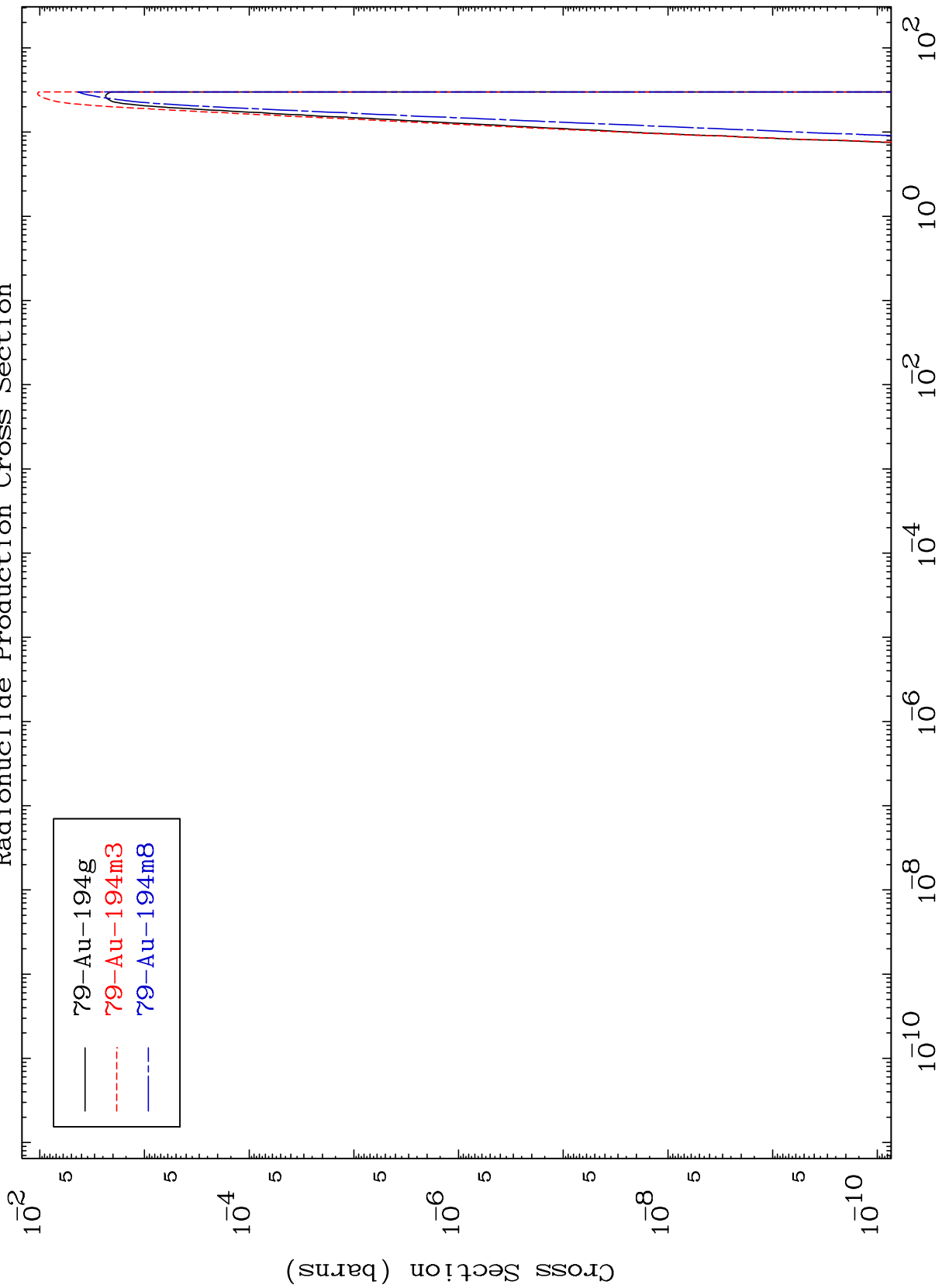
81-Tl-198

MAT 8110

$(n, n') \alpha$

81-Tl-198

Radionuclide Production Cross Section



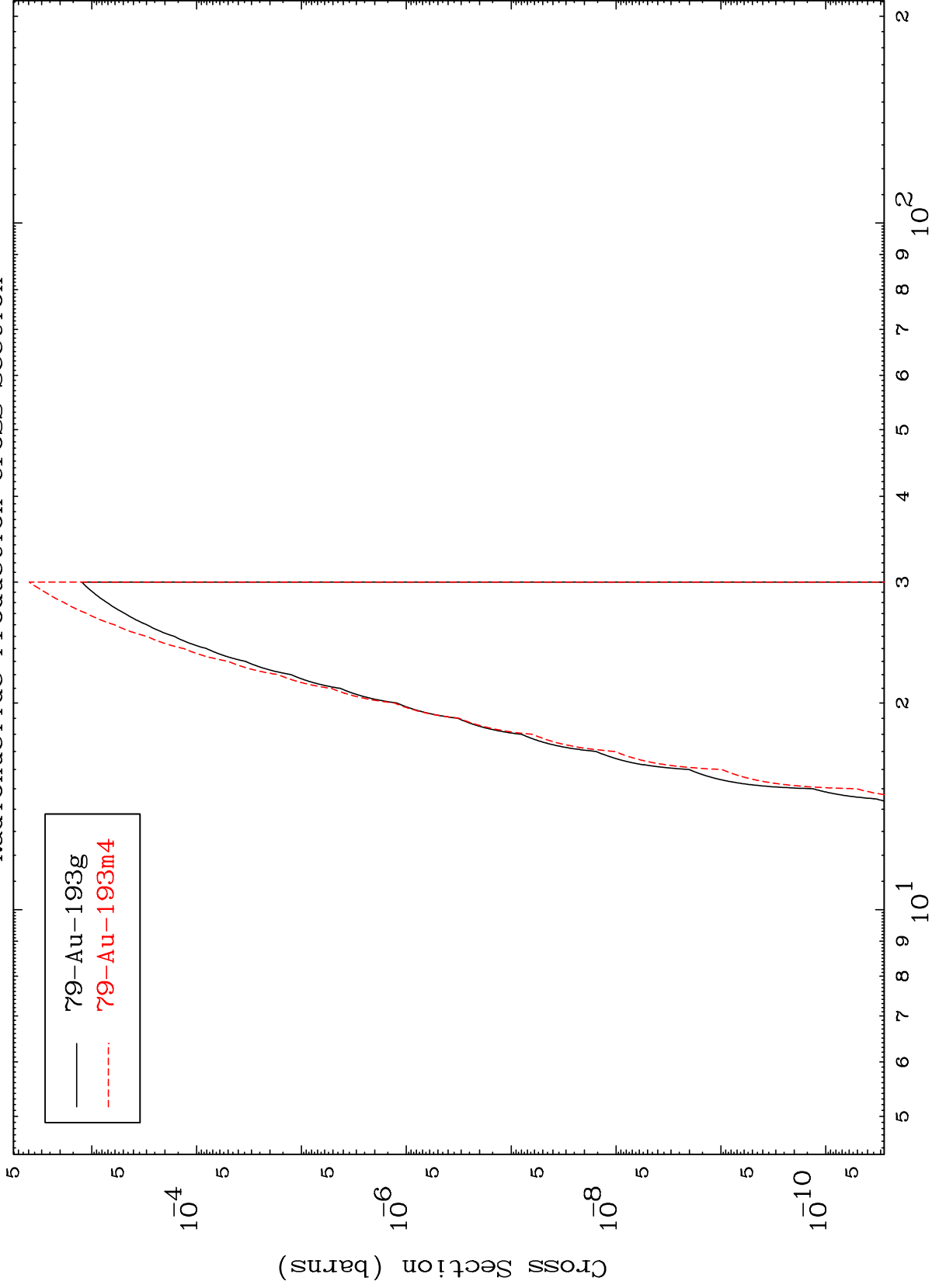
107

Incident Energy (MeV)

81-Tl-198

(n,2n) α

Radionuclide Production Cross Section

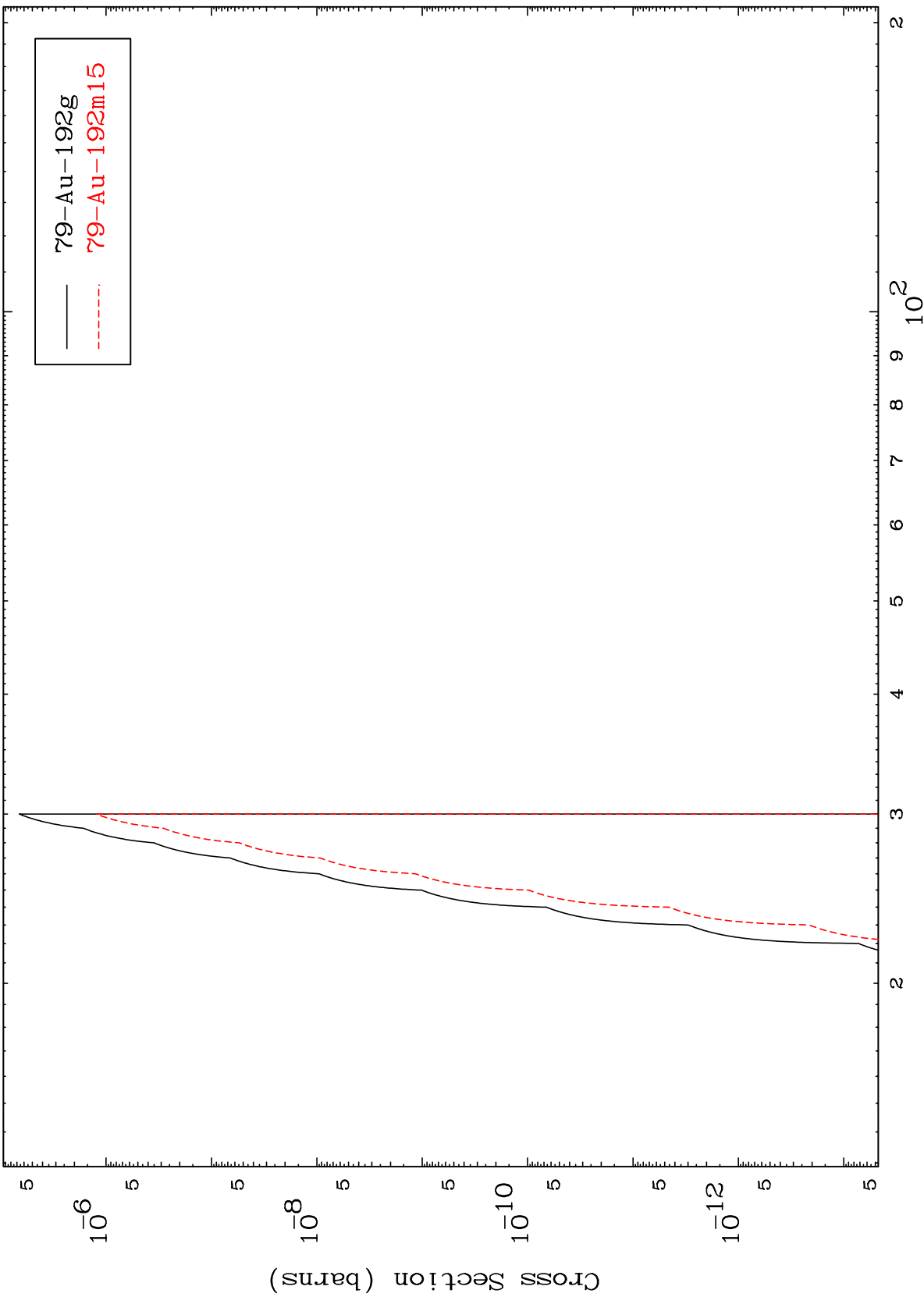


MAT 8110

(n,3n) α

81-Tl-198

Radionuclide Production Cross Section



109

Incident Energy (MeV)

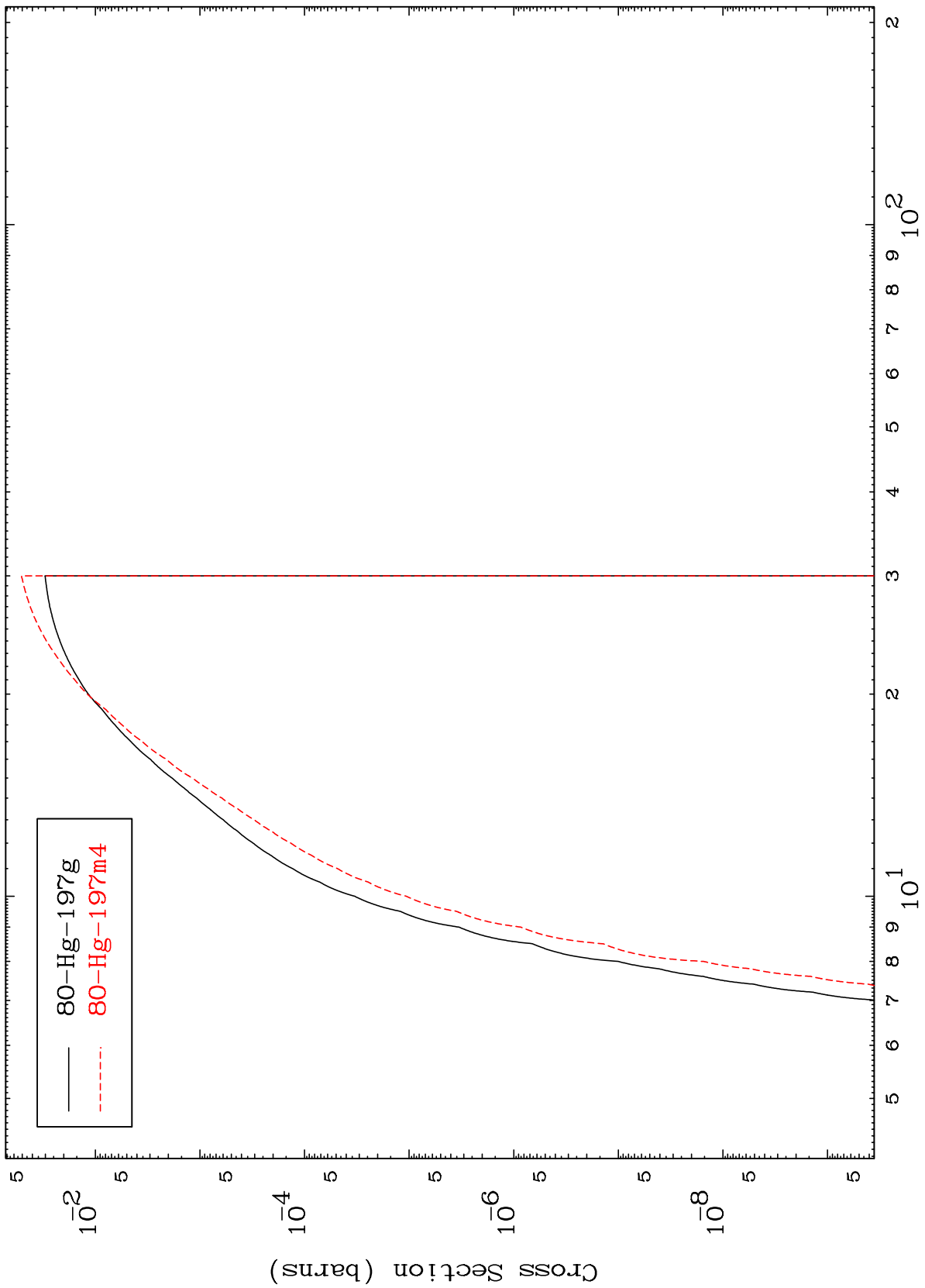
81-Tl-198

MAT 8110

(n,n') p

81-Tl-198

Radionuclide Production Cross Section



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

110

Incident Energy (MeV)

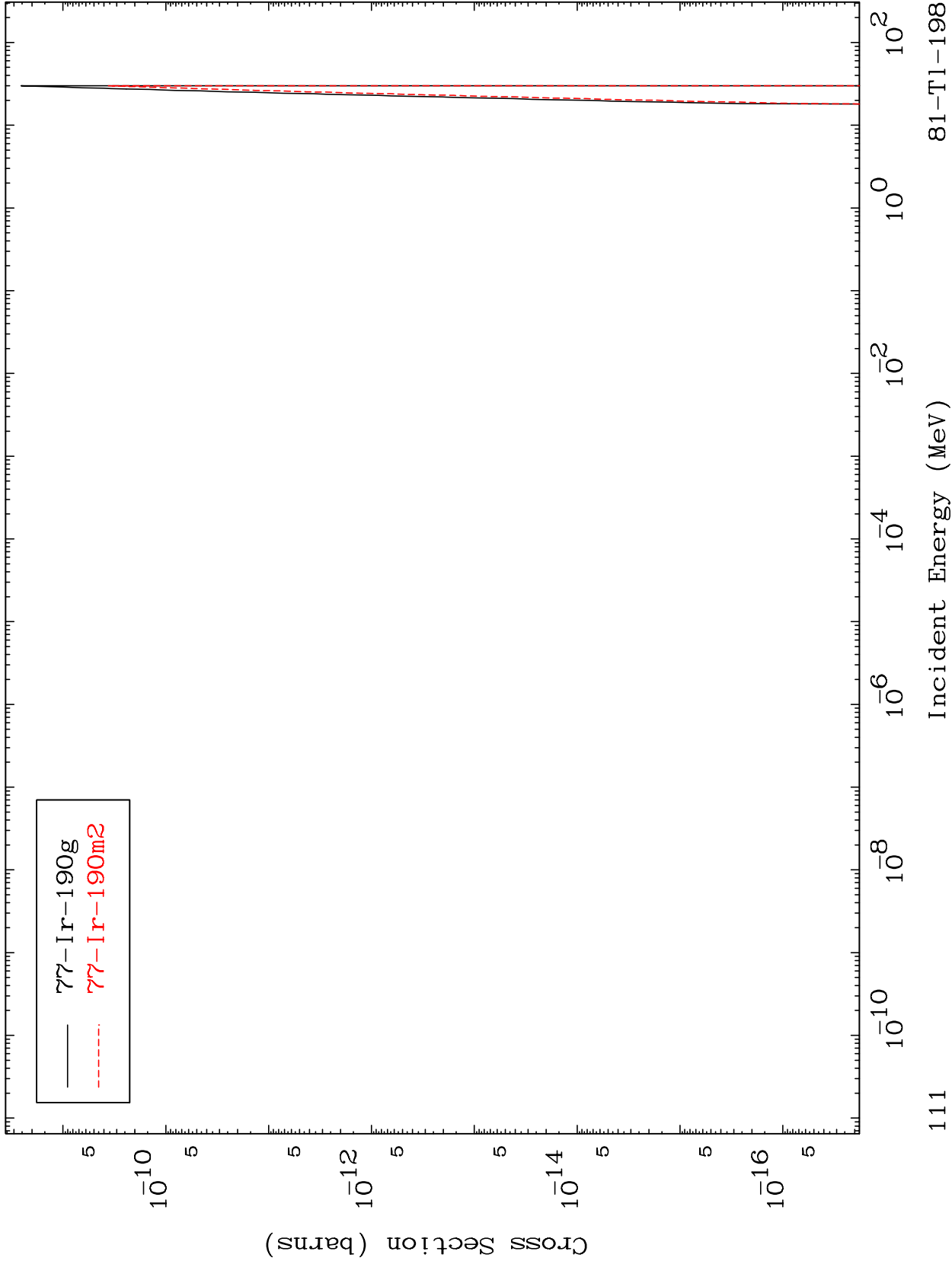
81-Tl-198

MAT 8110

(n,n') 2α

81-Tl-198

Radionuclide Production Cross Section

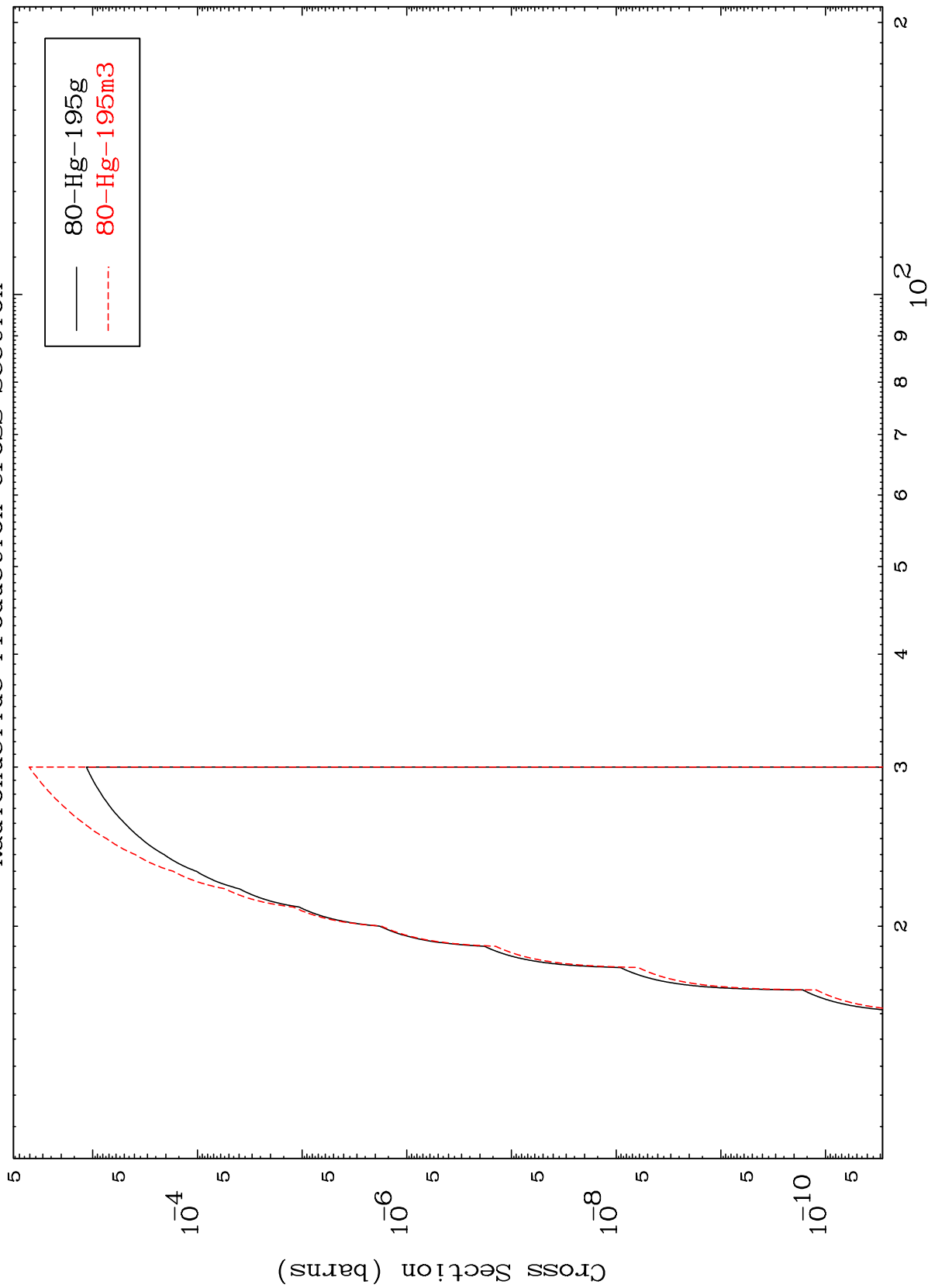


111

Incident Energy (MeV)

81-Tl-198

Radionuclide Production Cross Section

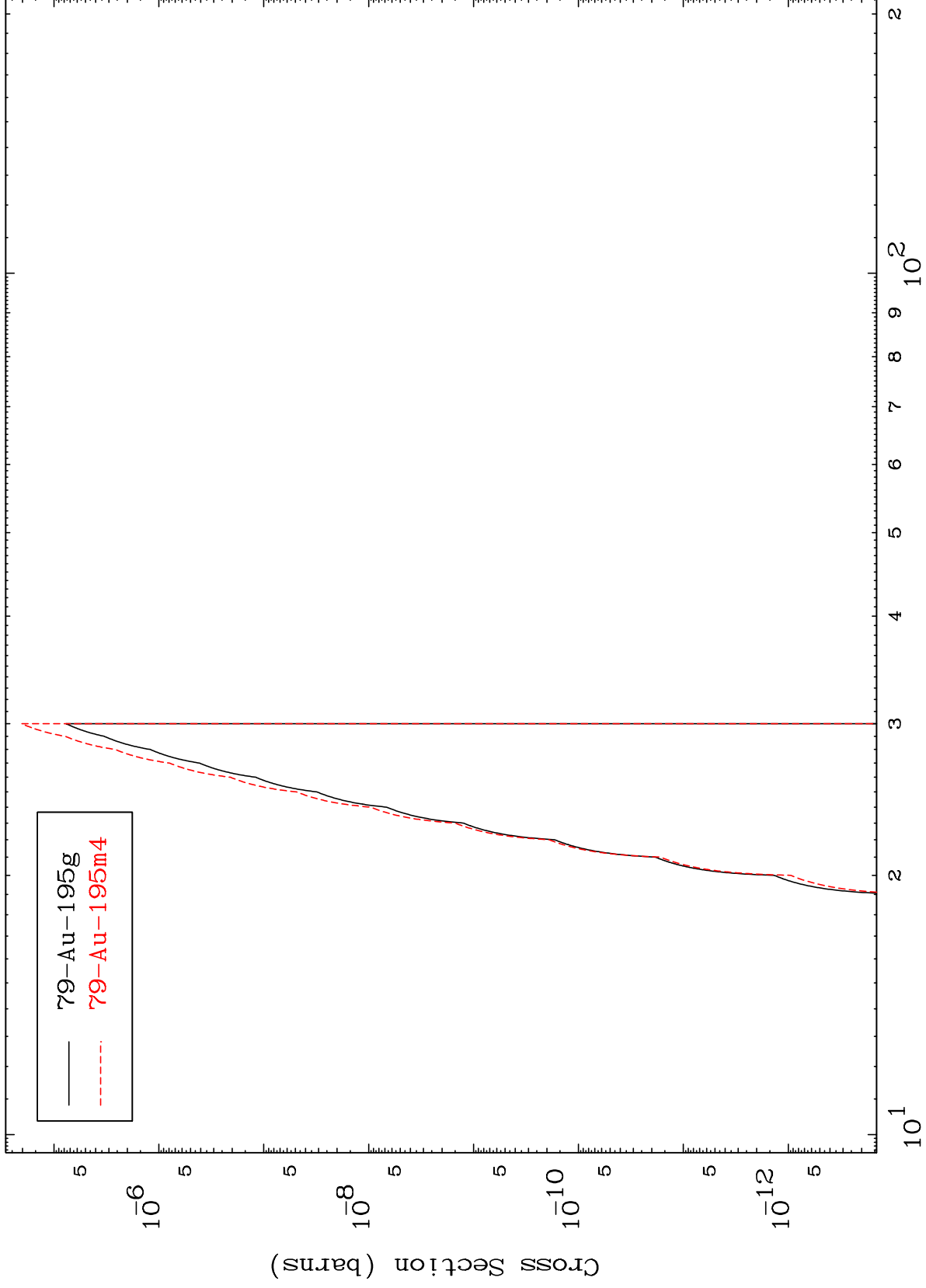


MAT 8110

(n,n') He-3

81-T1-198

Radionuclide Production Cross Section



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

Incident Energy (MeV)

81-T1-198

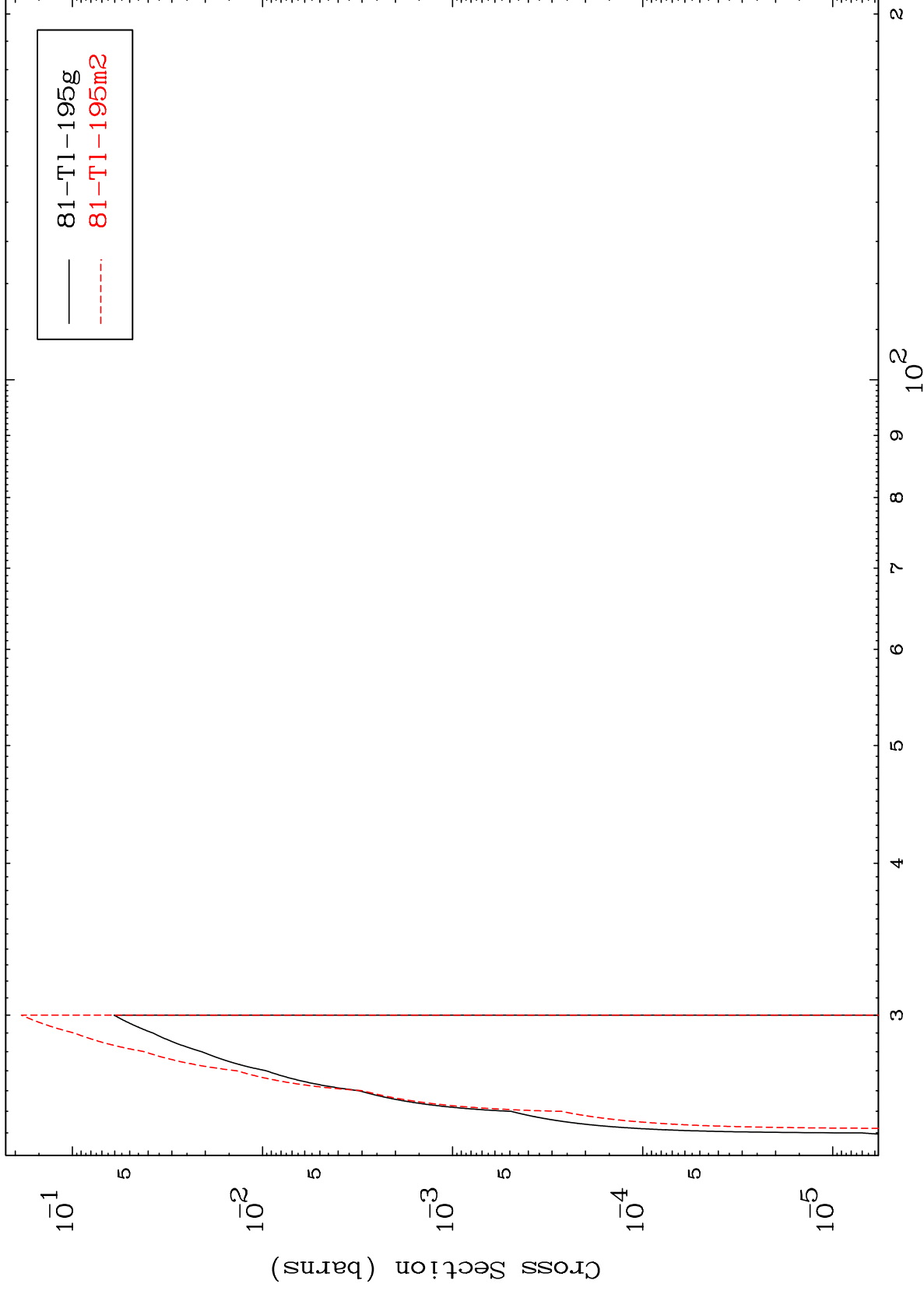
113

MAT 8110

(n,4n)

81-Tl-198

Radionuclide Production Cross Section



114

Incident Energy (MeV)

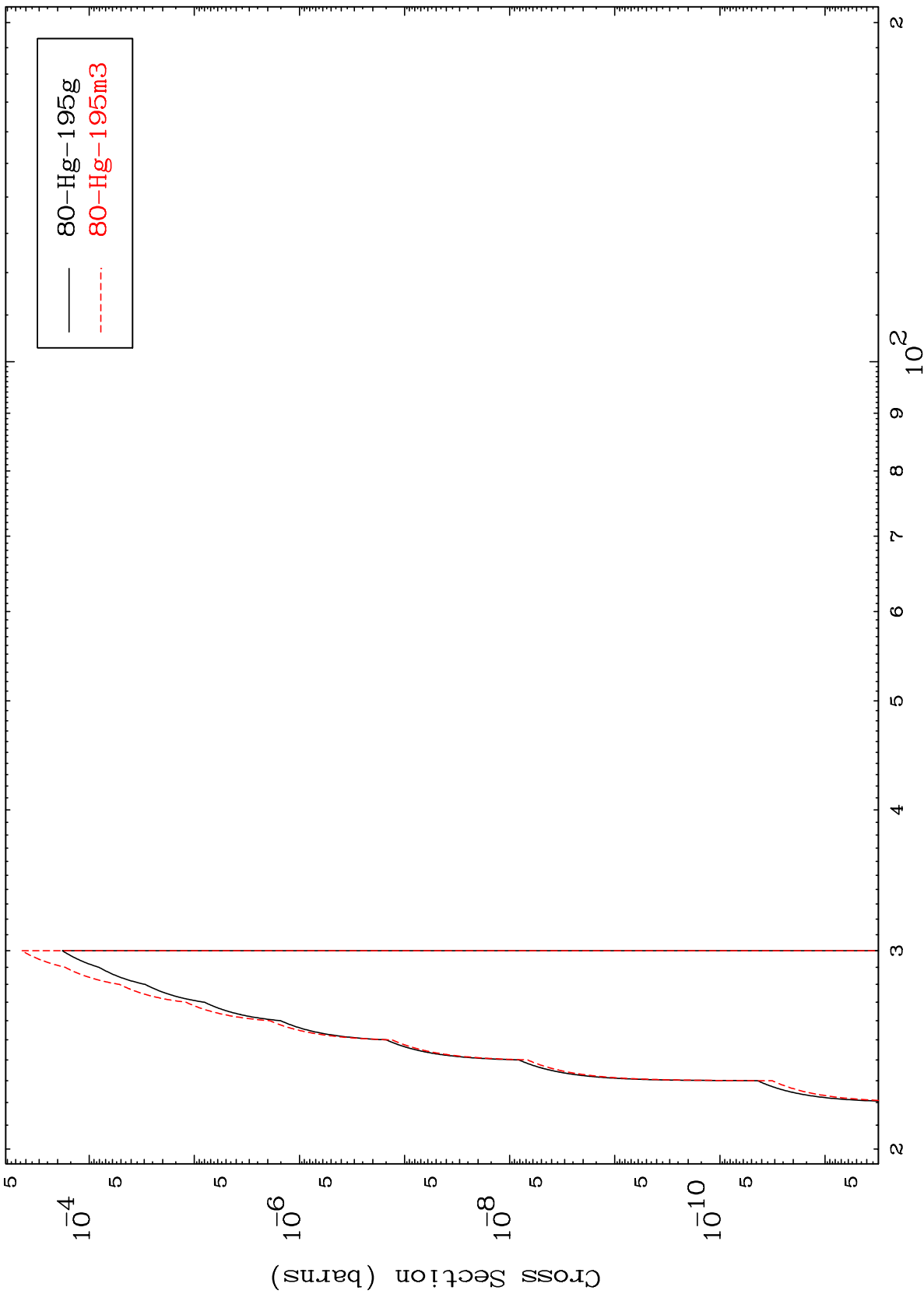
81-Tl-198

MAT 8110

(n,3n) p

81-T1-198

Radionuclide Production Cross Section

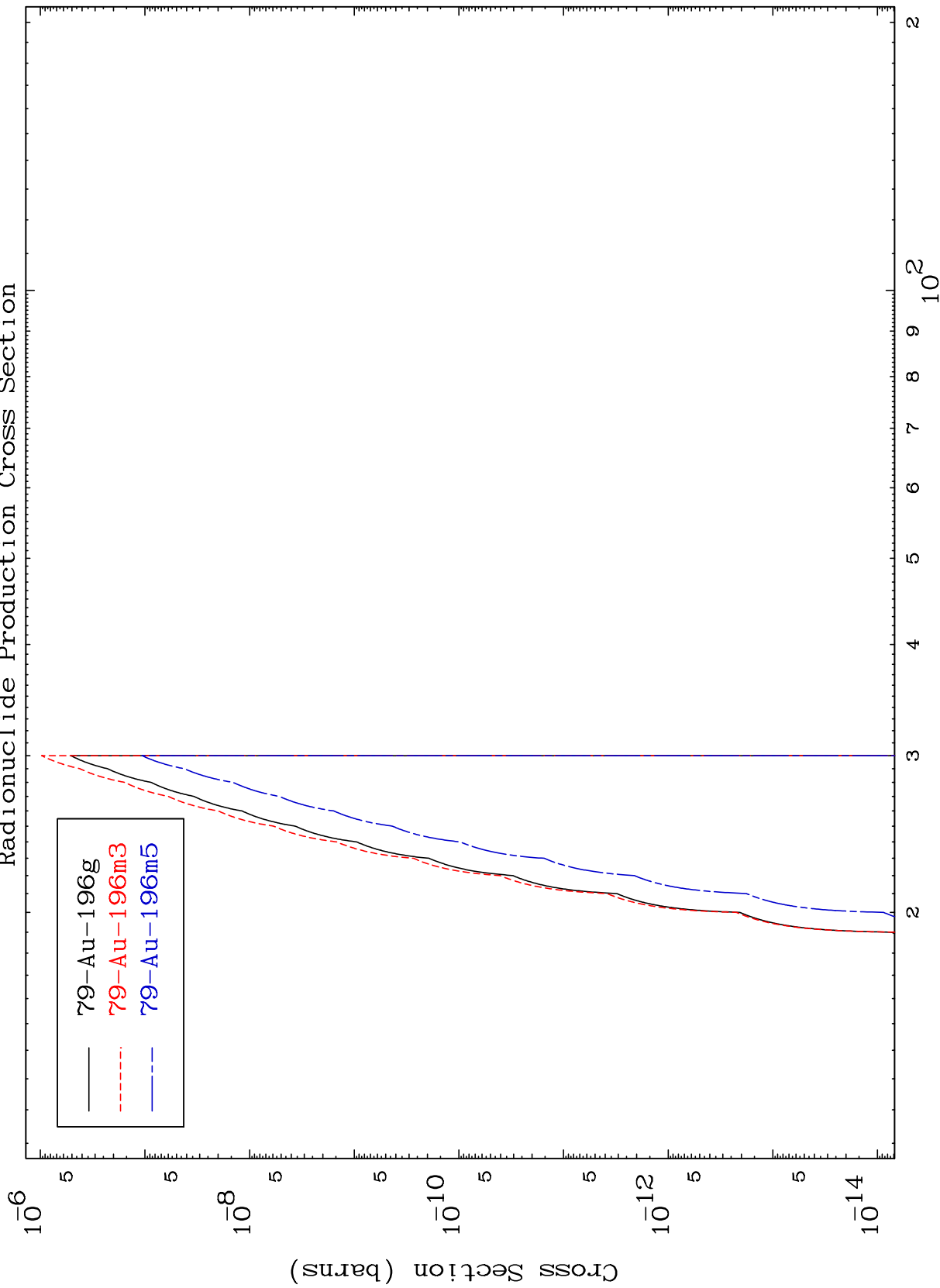


115

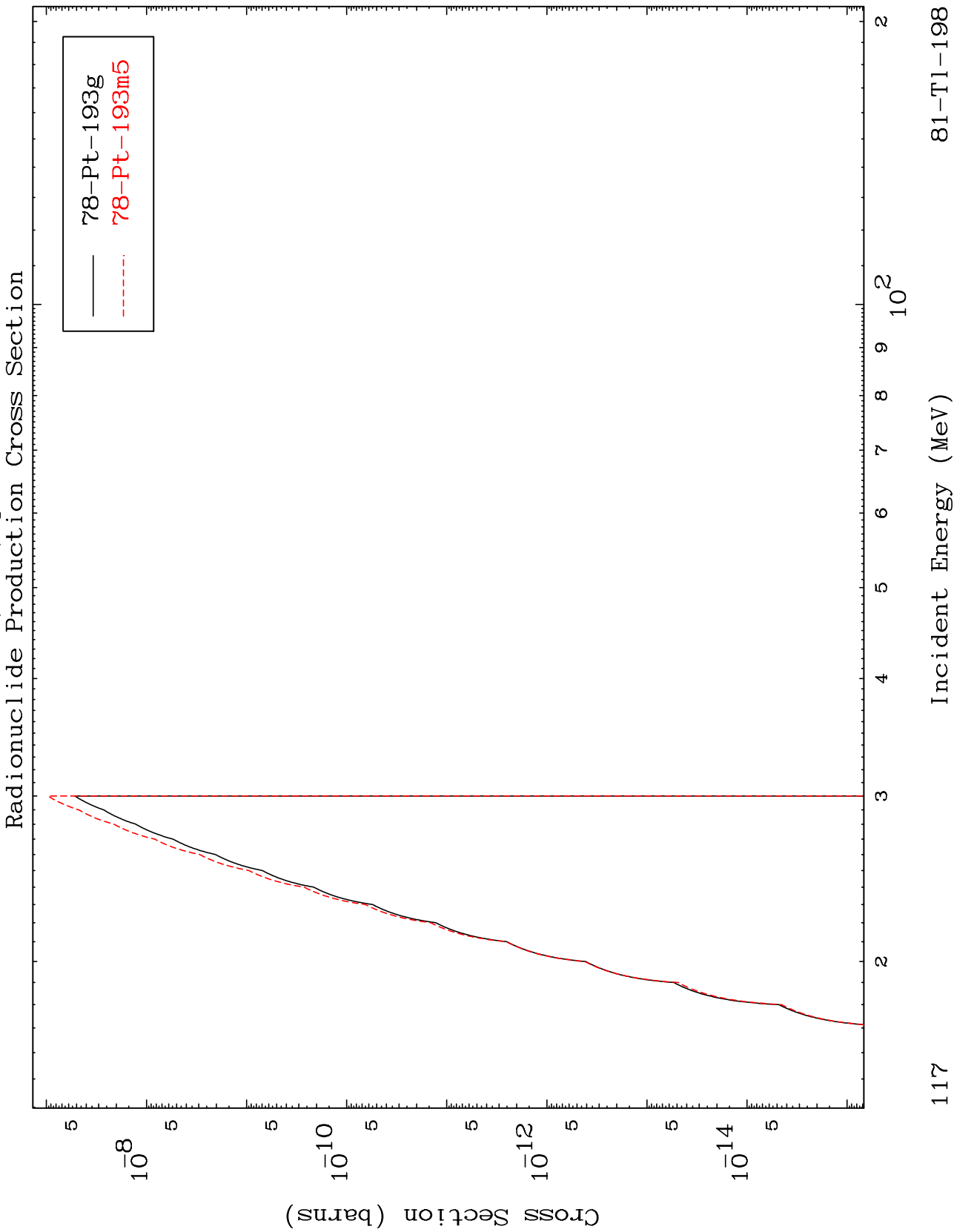
Incident Energy (MeV)

81-T1-198

Radionuclide Production Cross Section



79-Au-196g
79-Au-196m3
79-Au-196m5

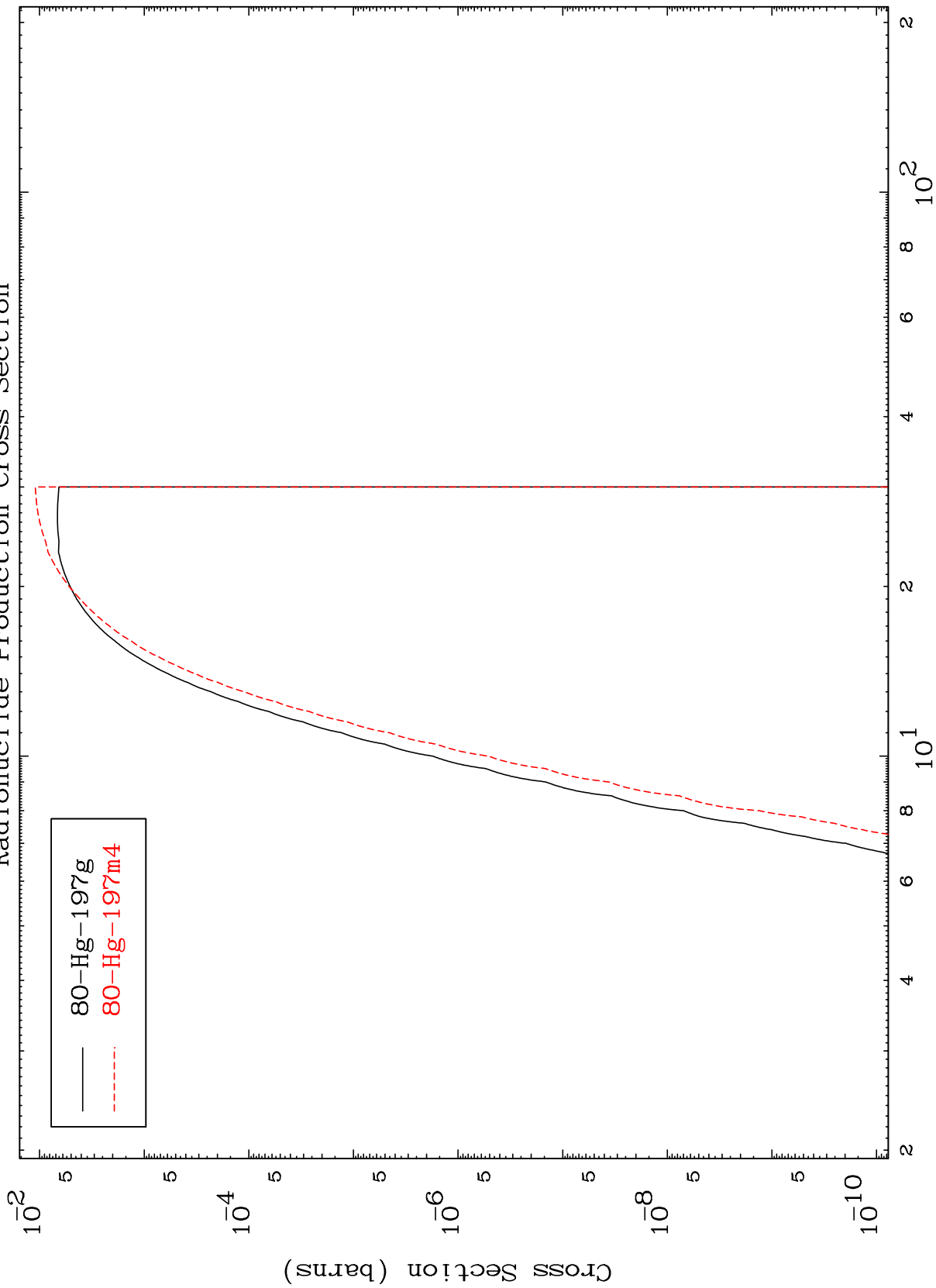


MAT 8110

(n,d)

81-Tl-198

Radionuclide Production Cross Section

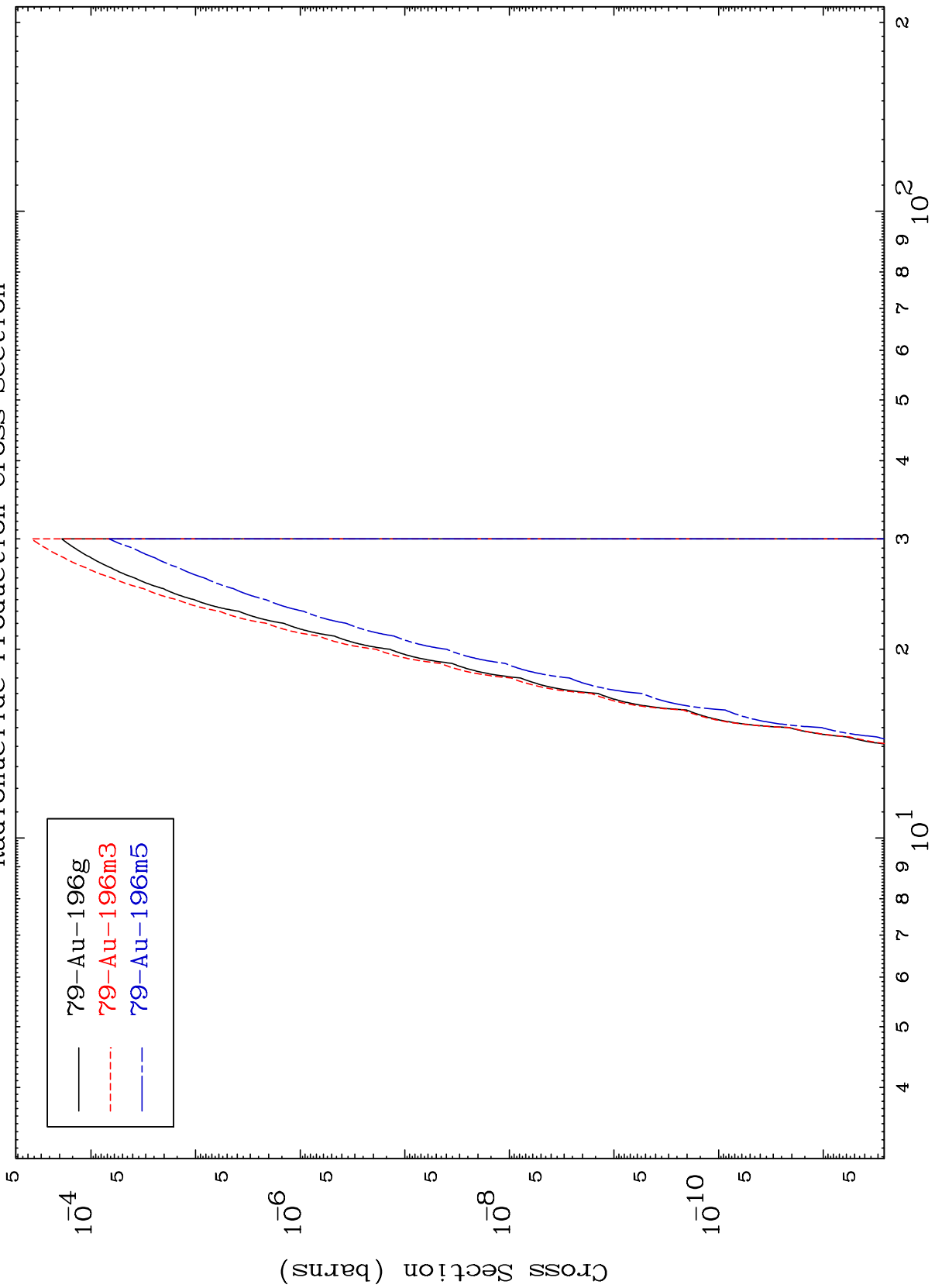


118

Incident Energy (MeV)

81-Tl-198

Radionuclide Production Cross Section
(n,He-3)

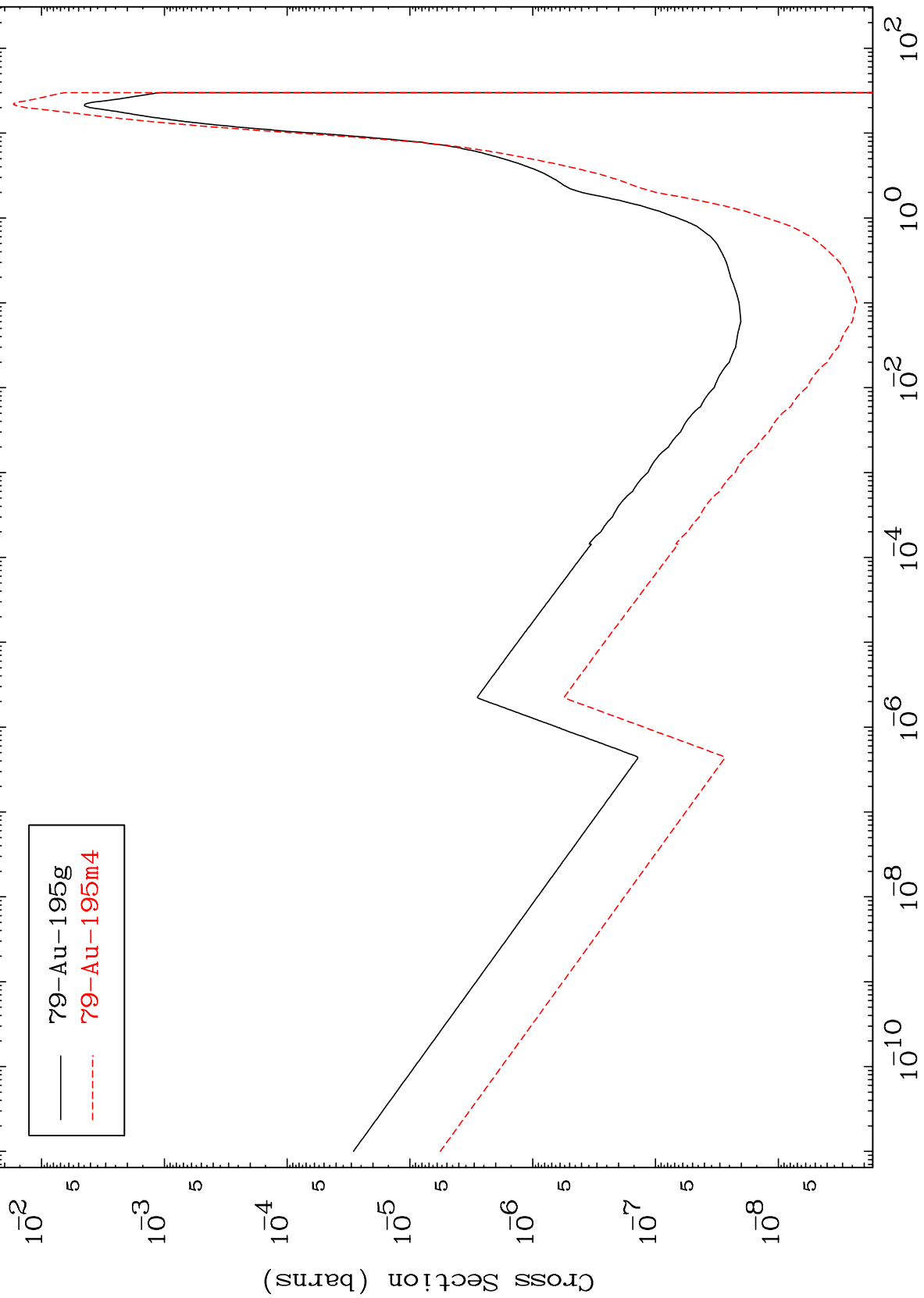


MAT 8110

(n, α)

81-Tl-198

Radionuclide Production Cross Section



120

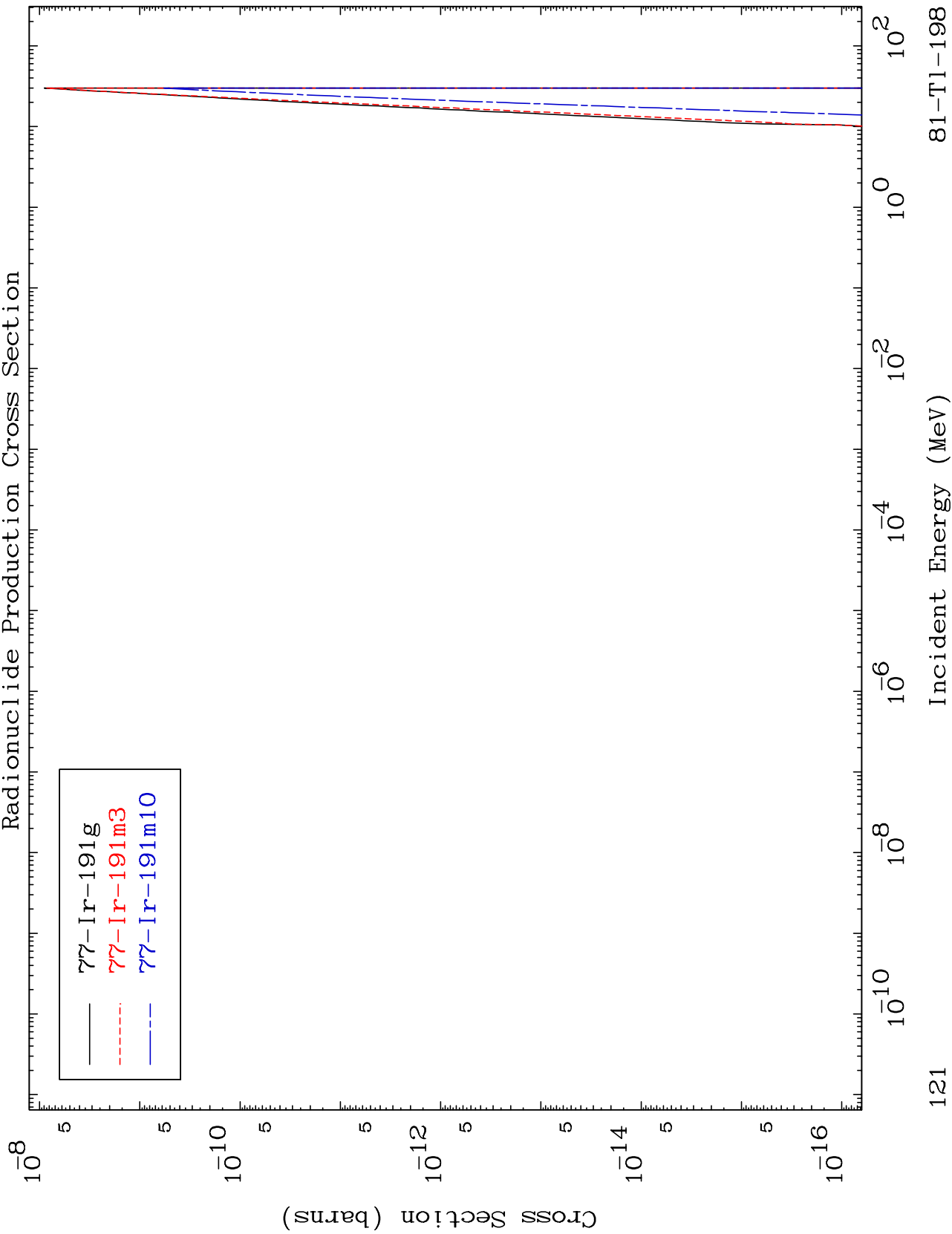
Incident Energy (MeV)

81-Tl-198

MAT 8110

81-Tl-198

Radionuclide Production Cross Section
(n,2α)



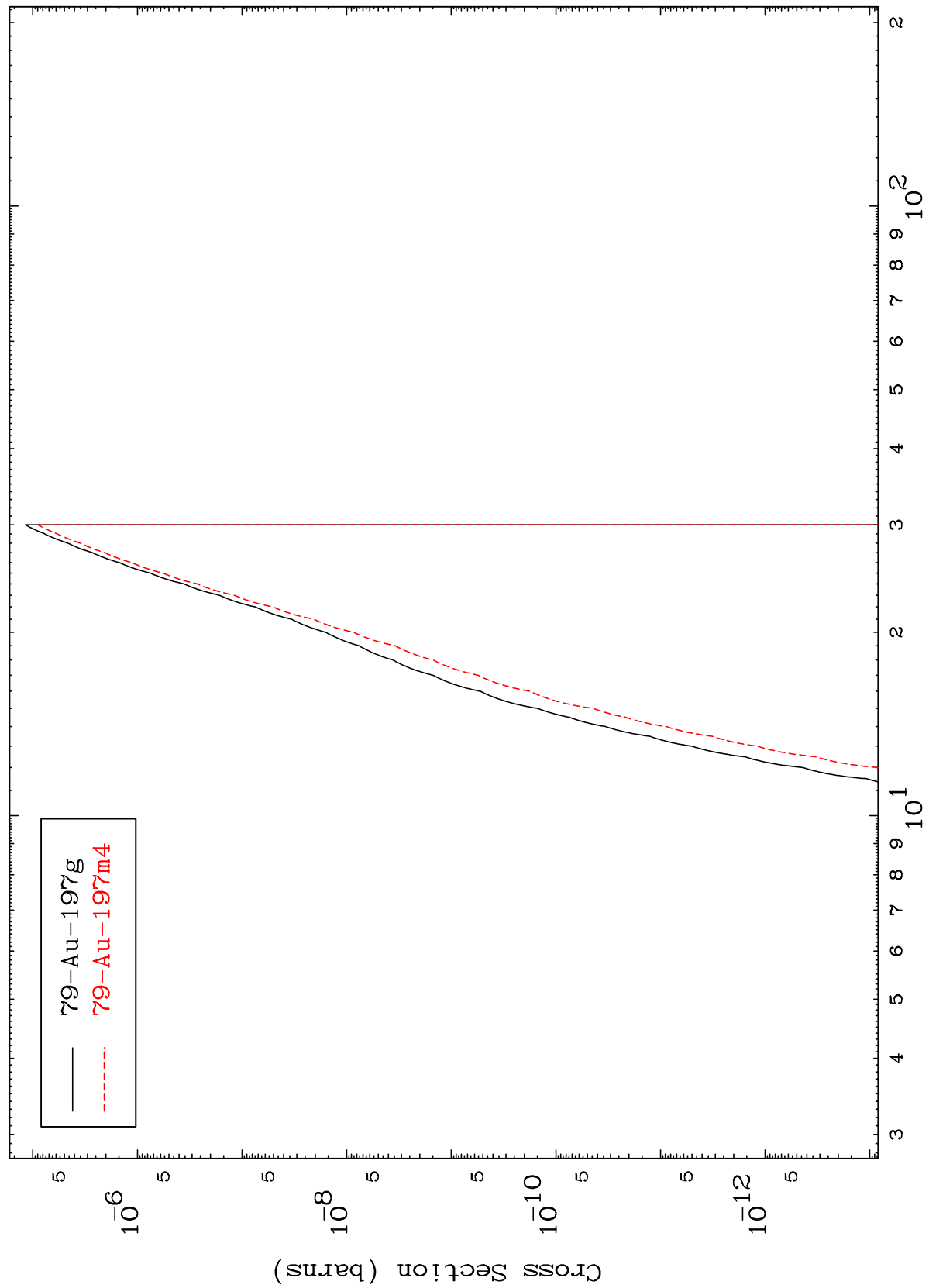
121

81-Tl-198

MAT 8110

81-Tl-198

Radionuclide Production Cross Section
(n,2p)



122

81-Tl-198

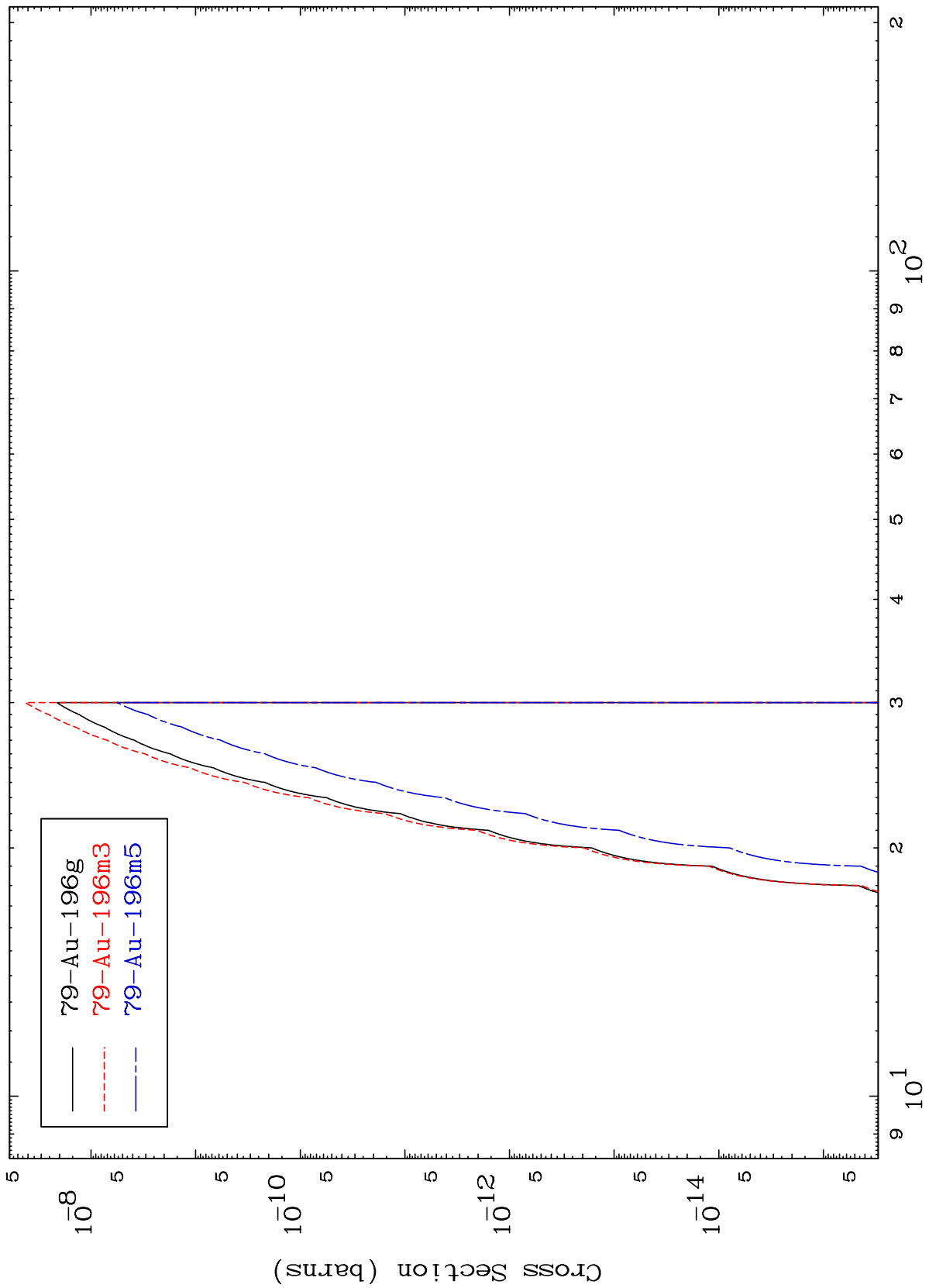
Incident Energy (MeV)

MAT 8110

(n,p) d

81-Tl-198

Radionuclide Production Cross Section



123

Incident Energy (MeV)

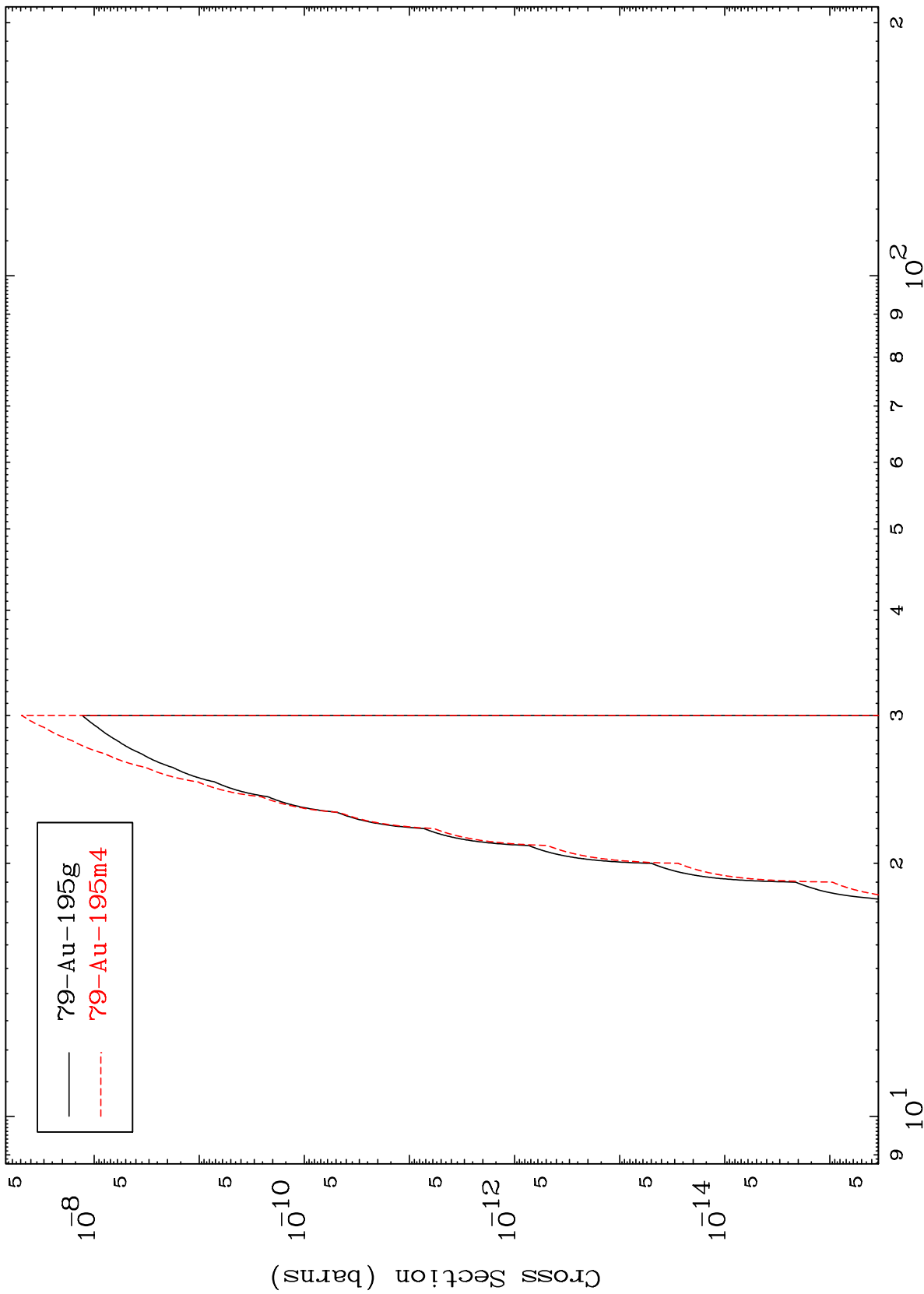
81-Tl-198

MAT 8110

(n,p) t

81-Tl-198

Radionuclide Production Cross Section



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

Incident Energy (MeV)

81-Tl-198

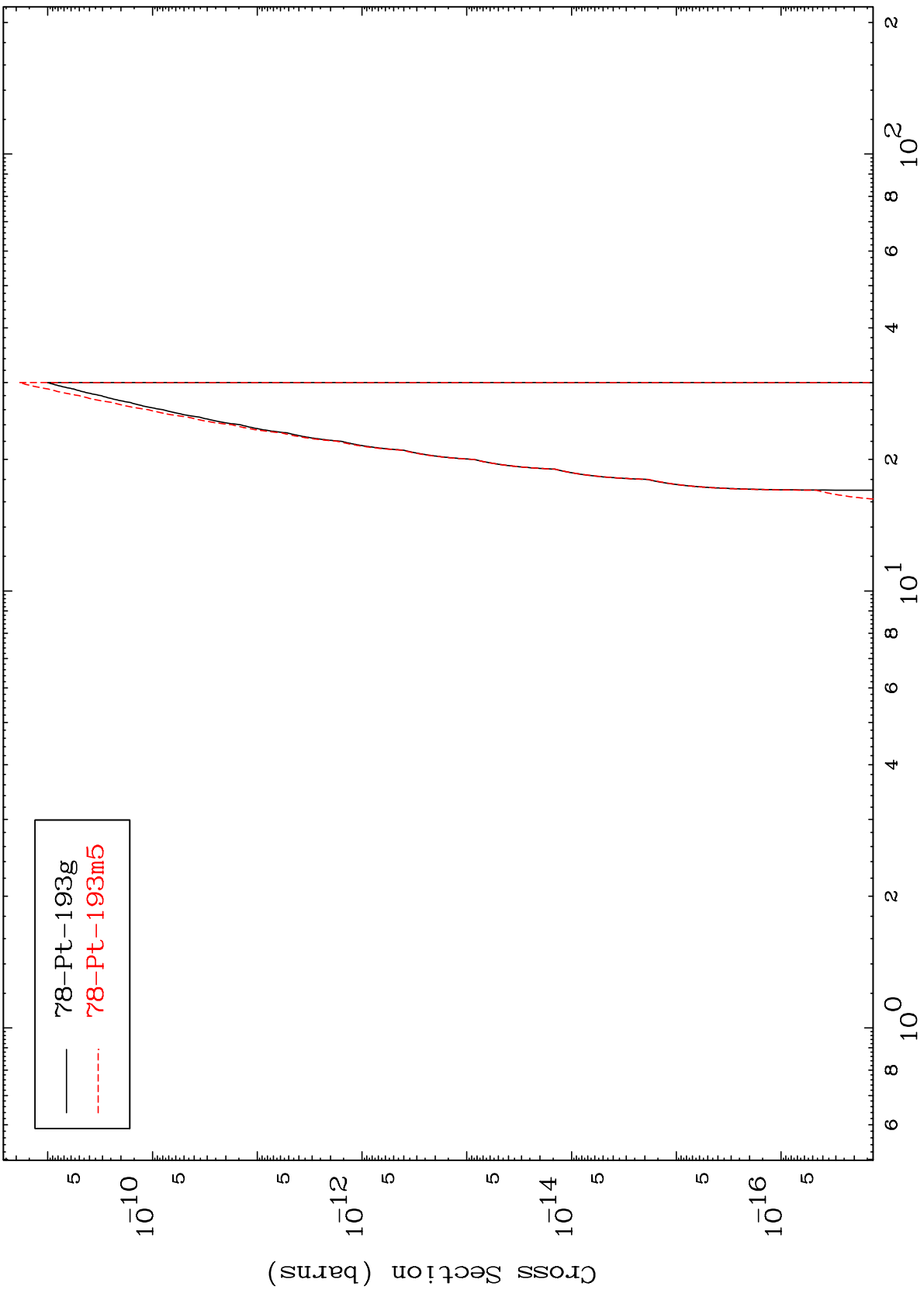
124

MAT 8110

(n,d) α

81-Tl-198

Radionuclide Production Cross Section



125

Incident Energy (MeV)

81-Tl-198