

Program EVALPLOT
(Version 2021-1)

by

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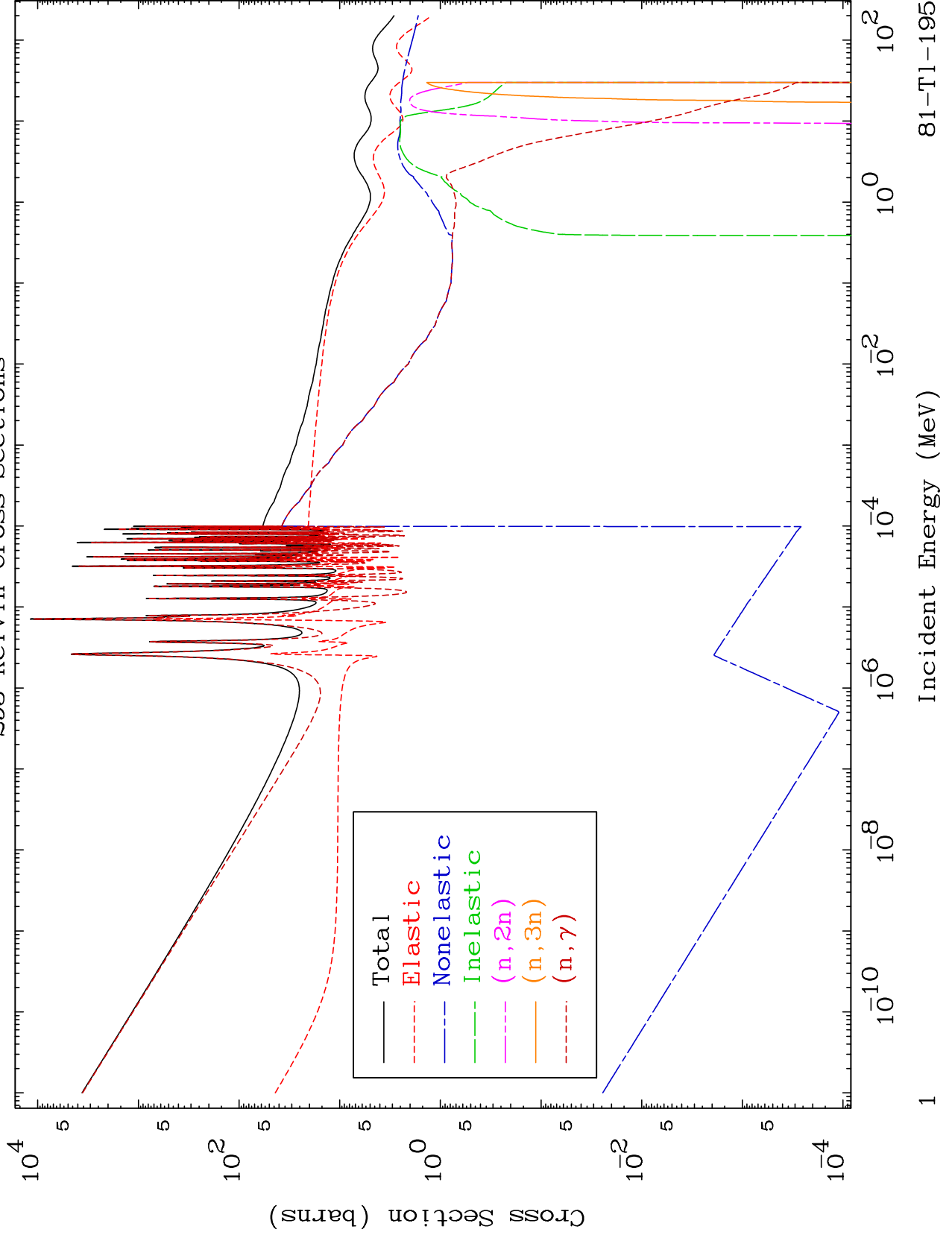
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8101

Neutron Major
293 Kelvin Cross Sections

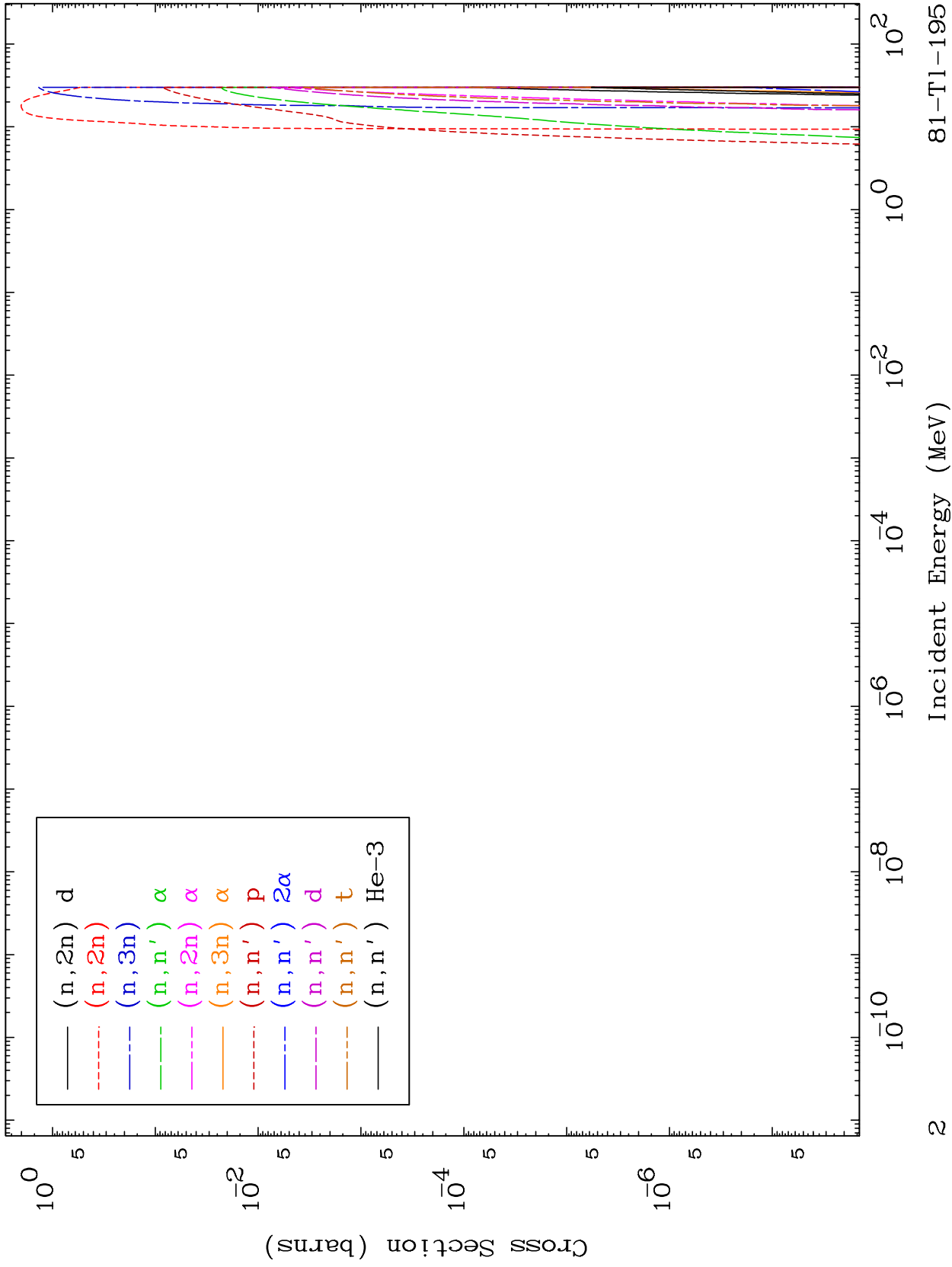
81-Tl-195



MAT 8101

Neutron Absorption
293 Kelvin Cross Sections

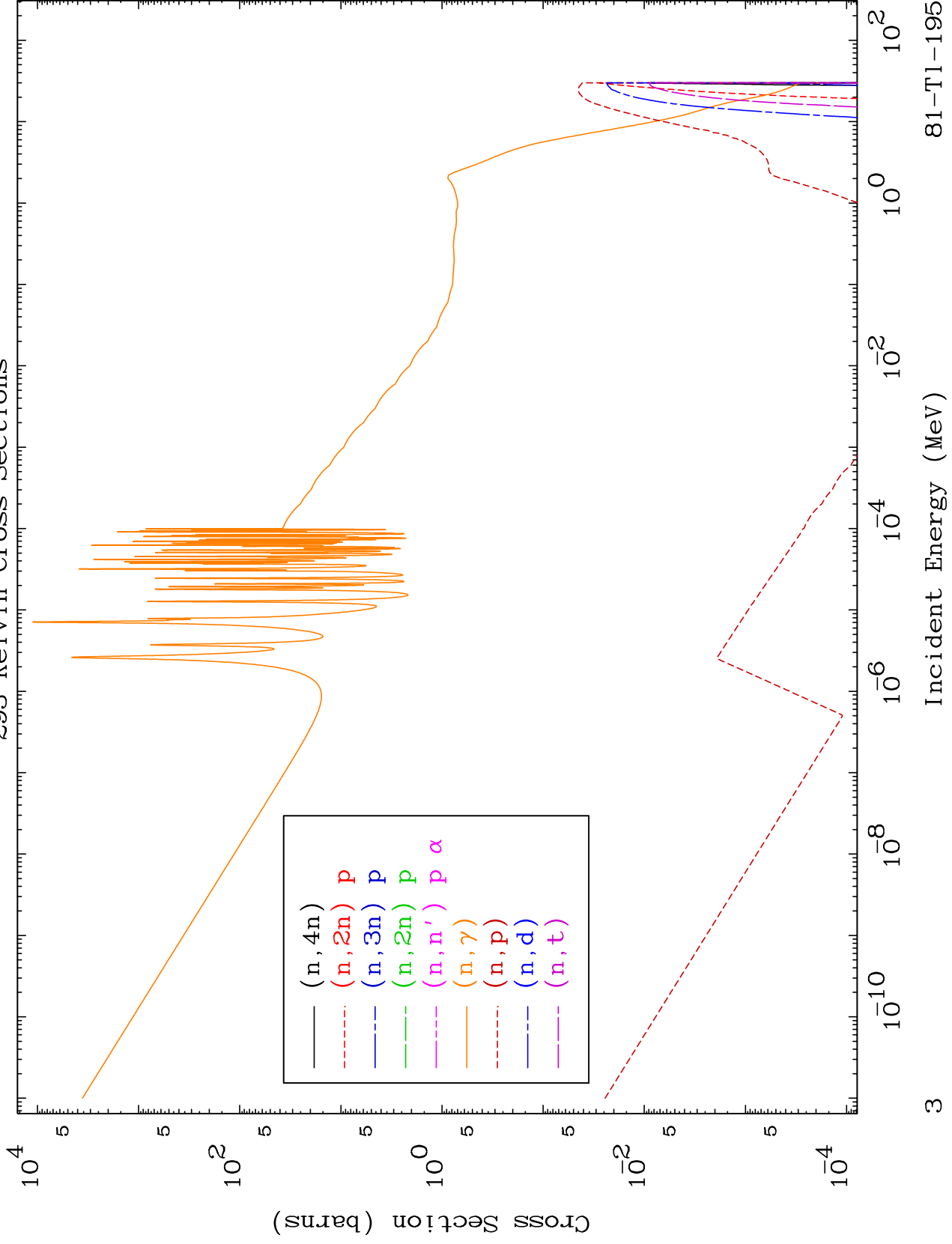
81-Tl-195

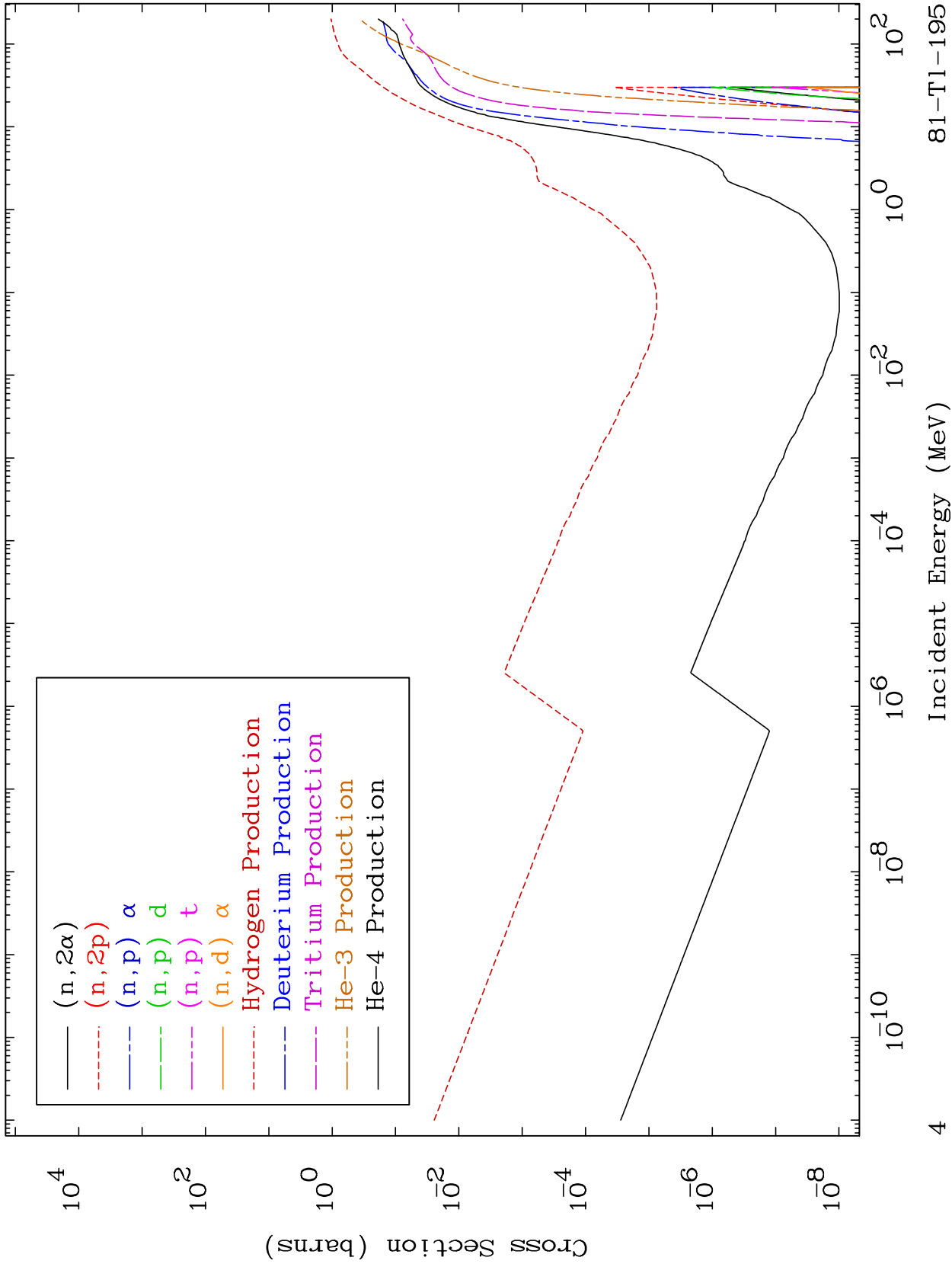


MAT 8101

Neutron Absorption
293 Kelvin Cross Sections

81-T1-195

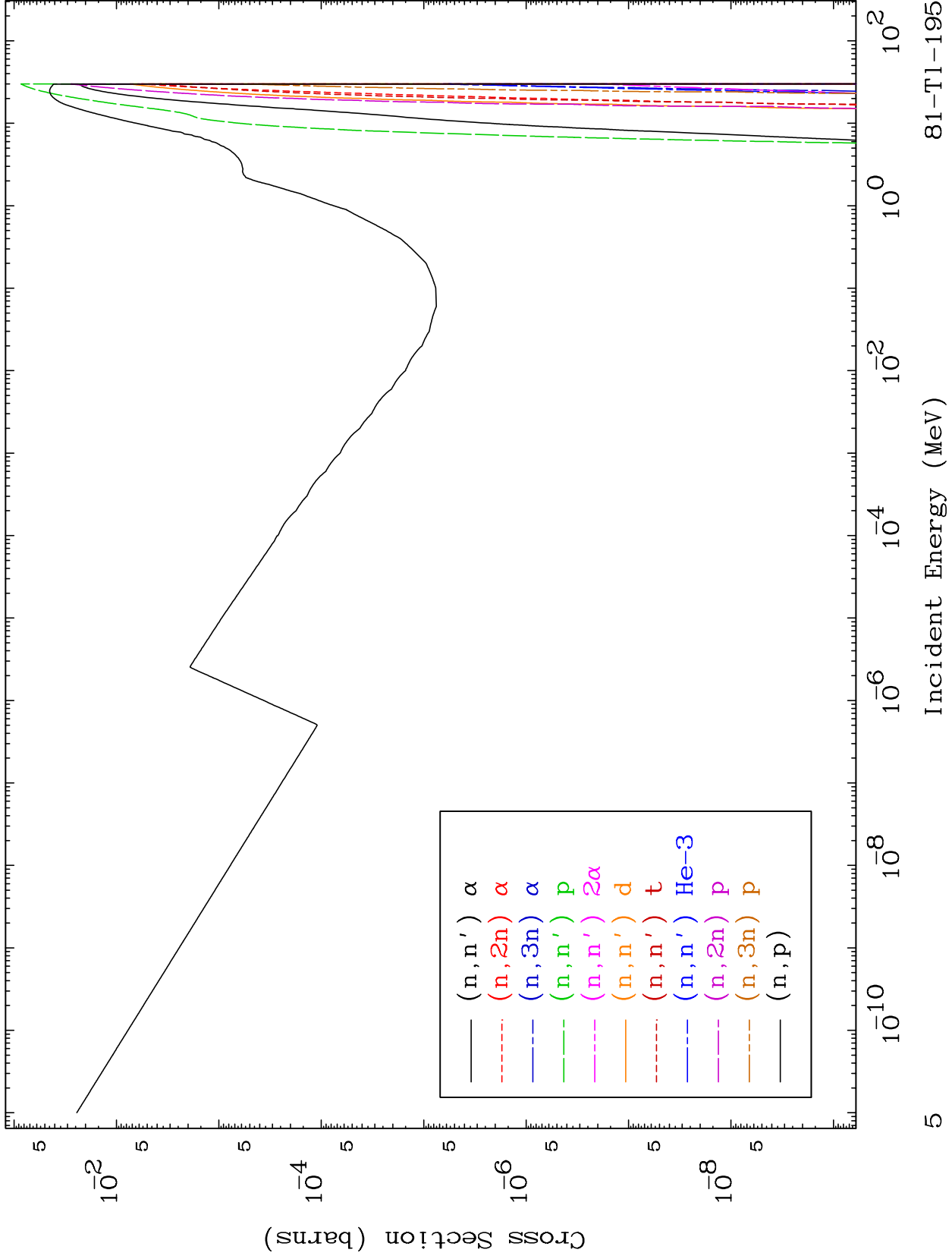




MAT 8101

Charged Particle
293 Kelvin Cross Sections

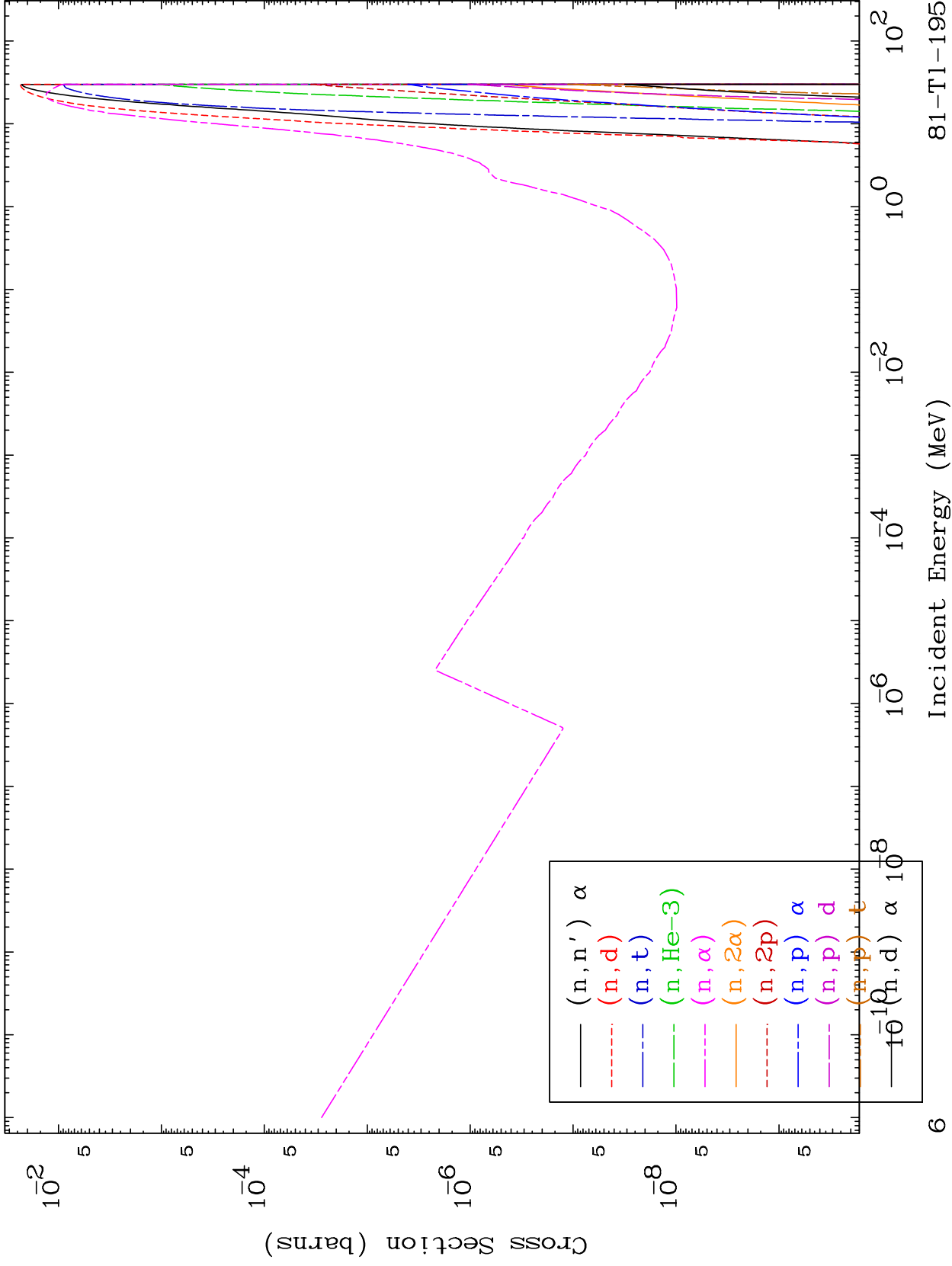
81-Tl-195



MAT 8101

Charged Particle
293 Kelvin Cross Sections

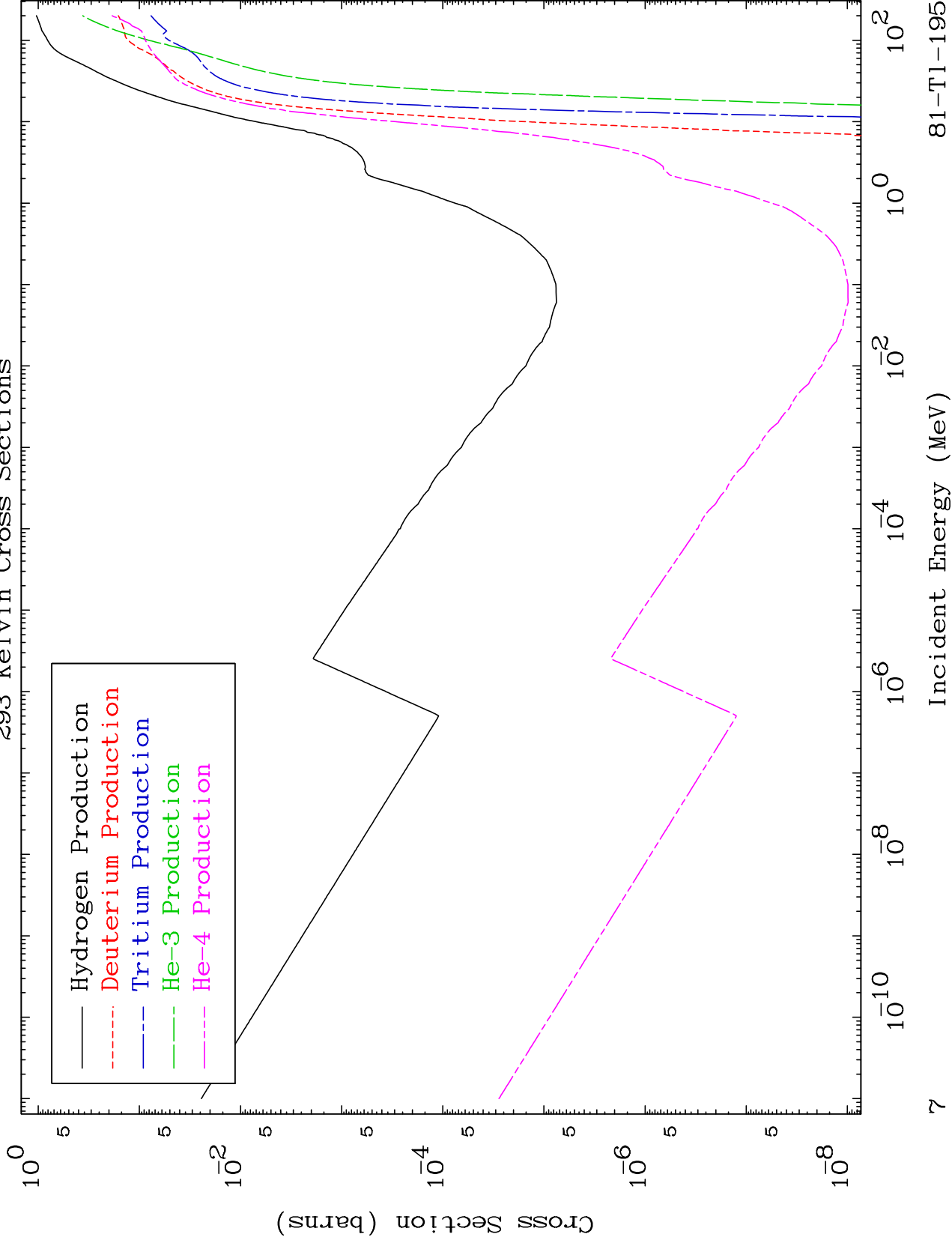
81-Tl-195



MAT 8101

Particle Production
293 Kelvin Cross Sections

81-T1-195

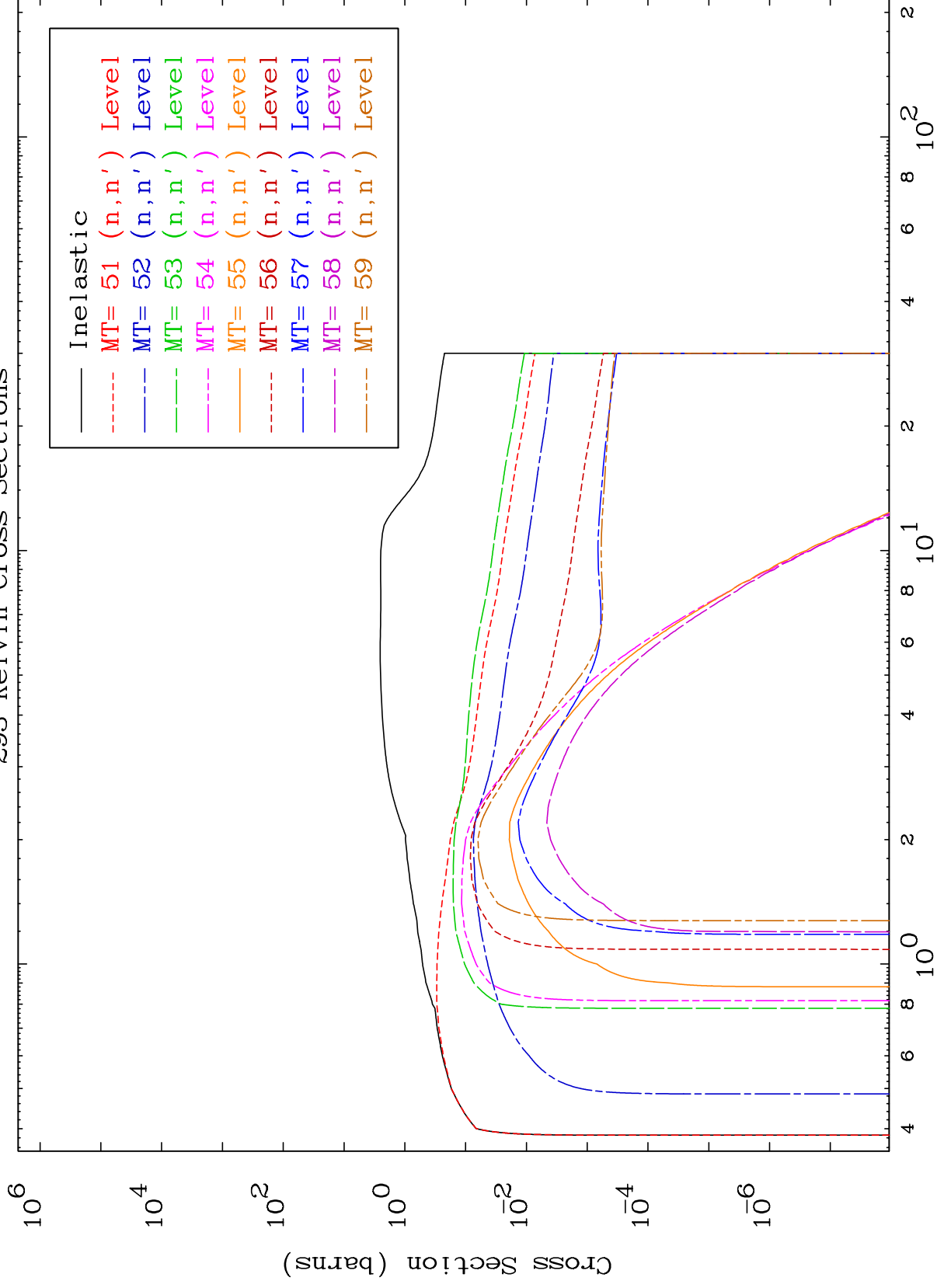


MAT 8101

(n,n') Levels

81-Tl-195

293 Kelvin Cross Sections



8

Incident Energy (MeV)

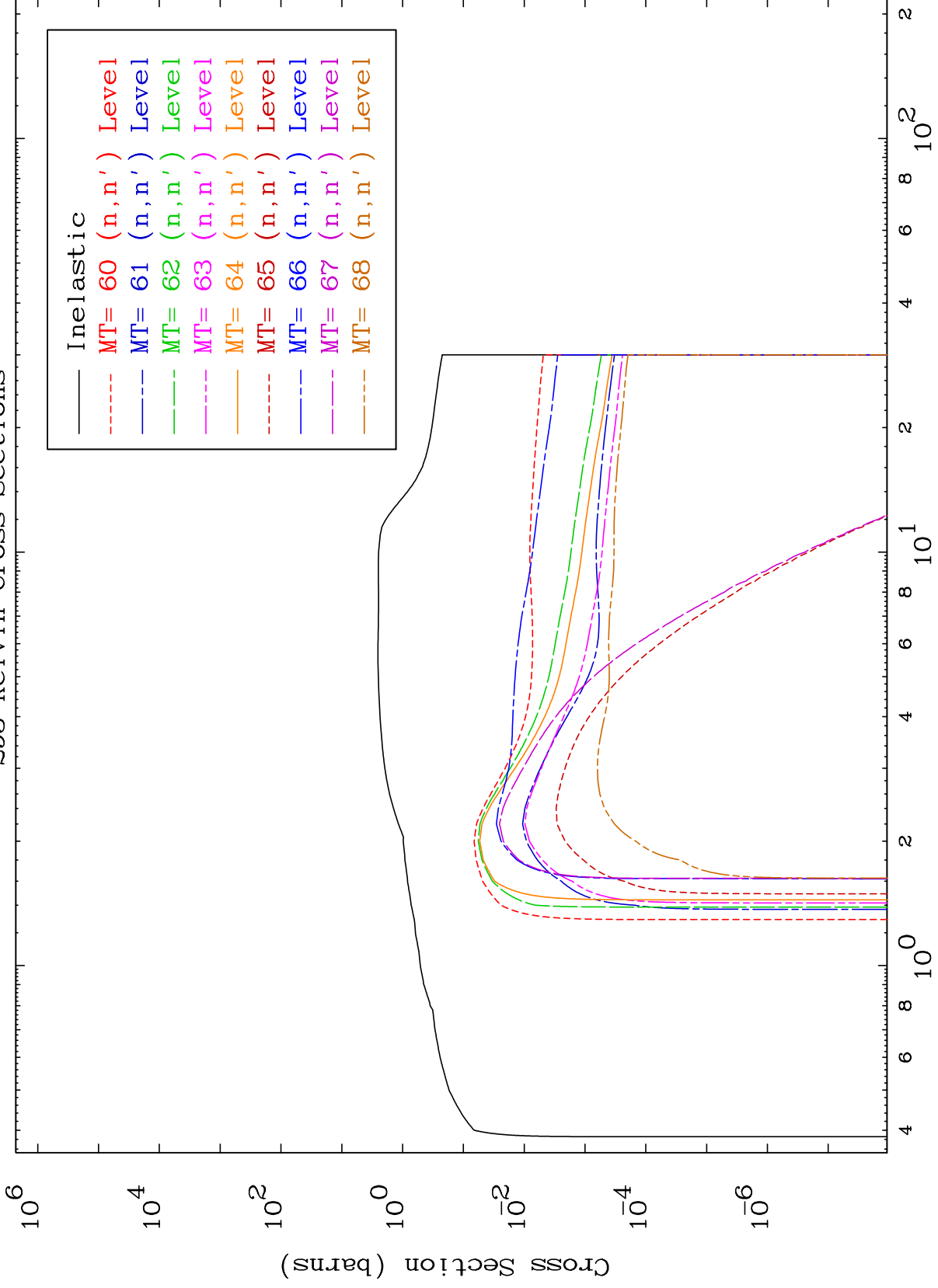
81-Tl-195

MAT 8101

(n,n') Levels

81-Tl-195

293 Kelvin Cross Sections



9

Incident Energy (MeV)

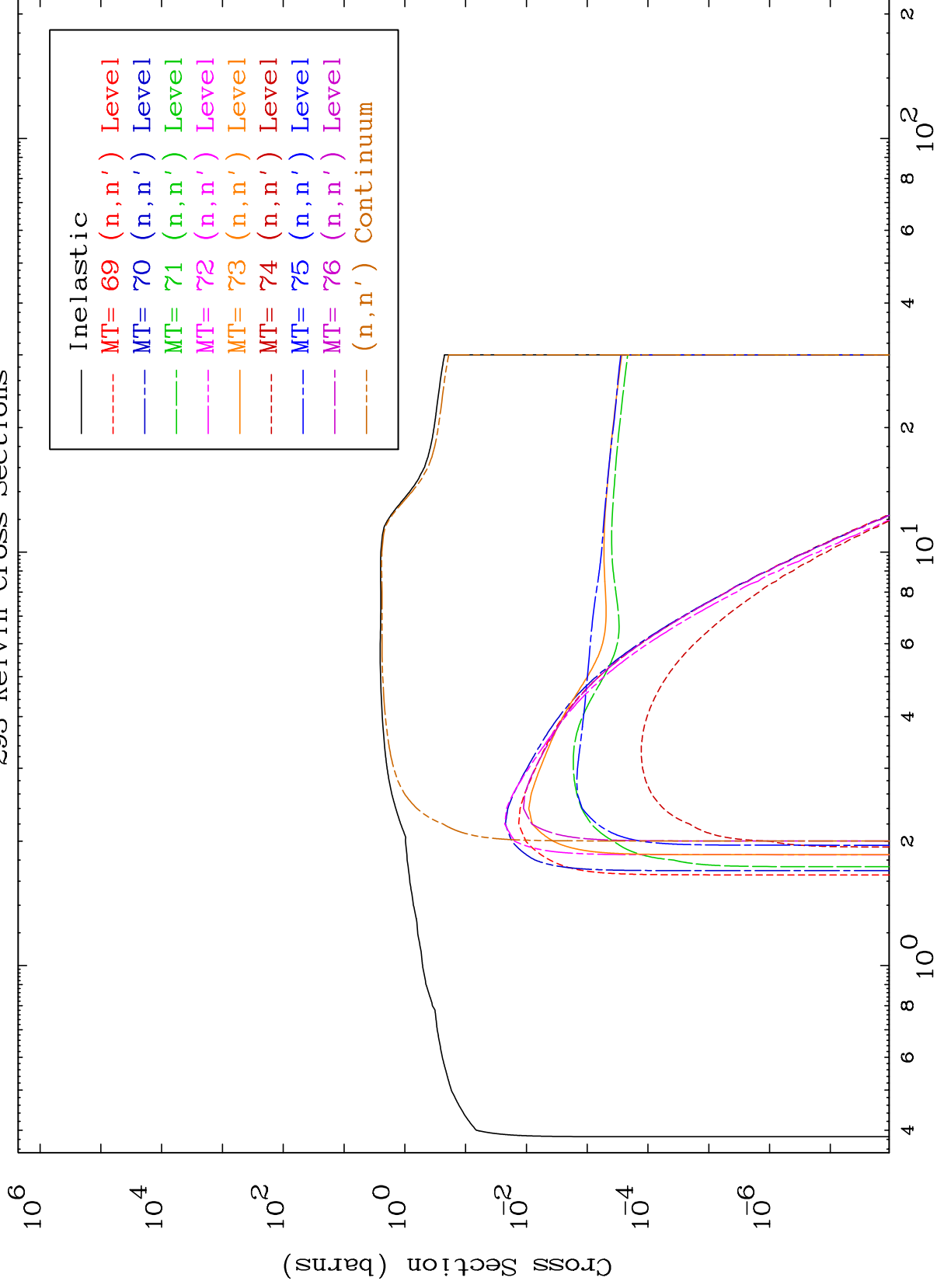
81-Tl-195

MAT 8101

(n,n') Levels

81-Tl-195

293 Kelvin Cross Sections



10

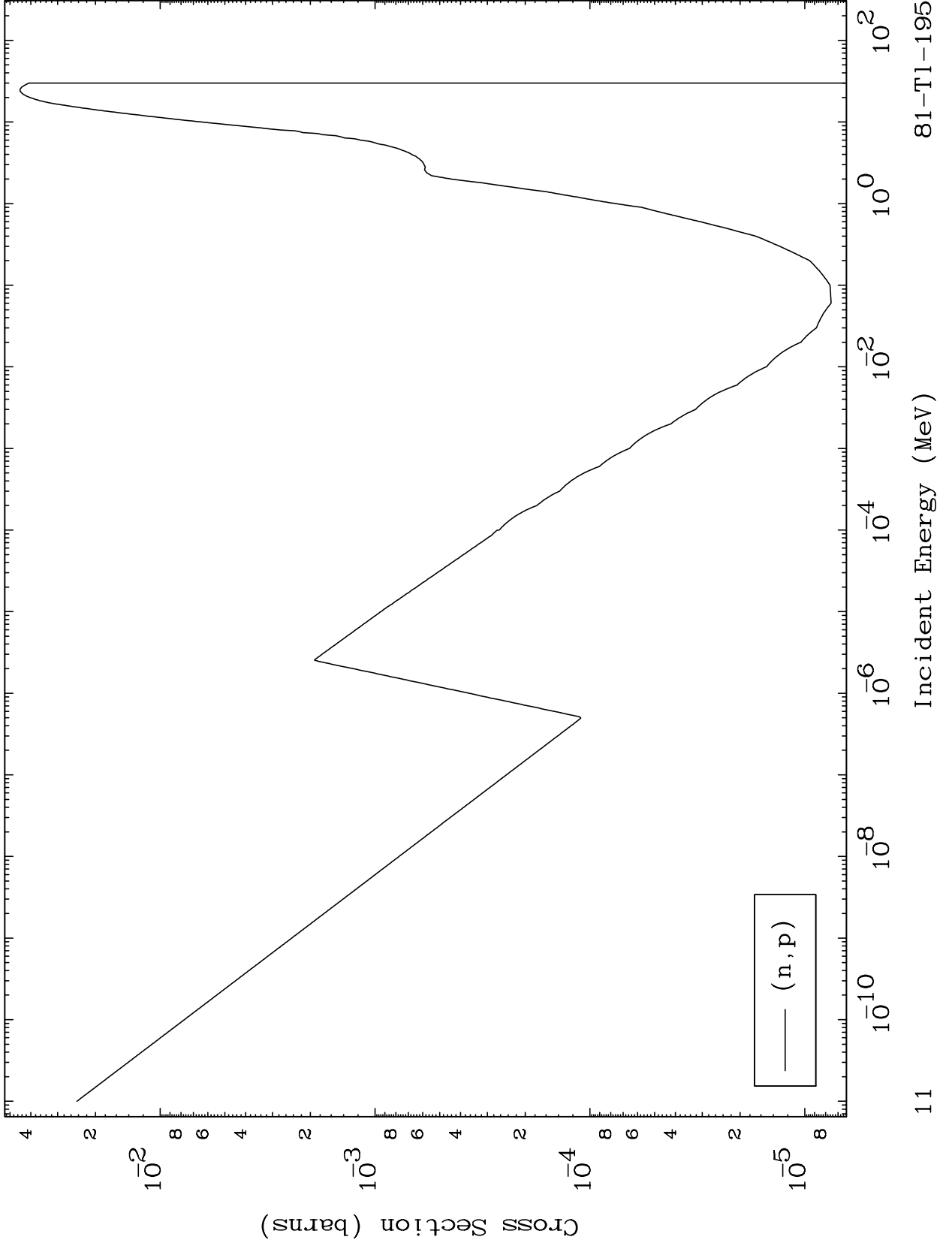
Incident Energy (MeV)

81-Tl-195

MAT 8101

(n,p) Levels
293 Kelvin Cross Sections

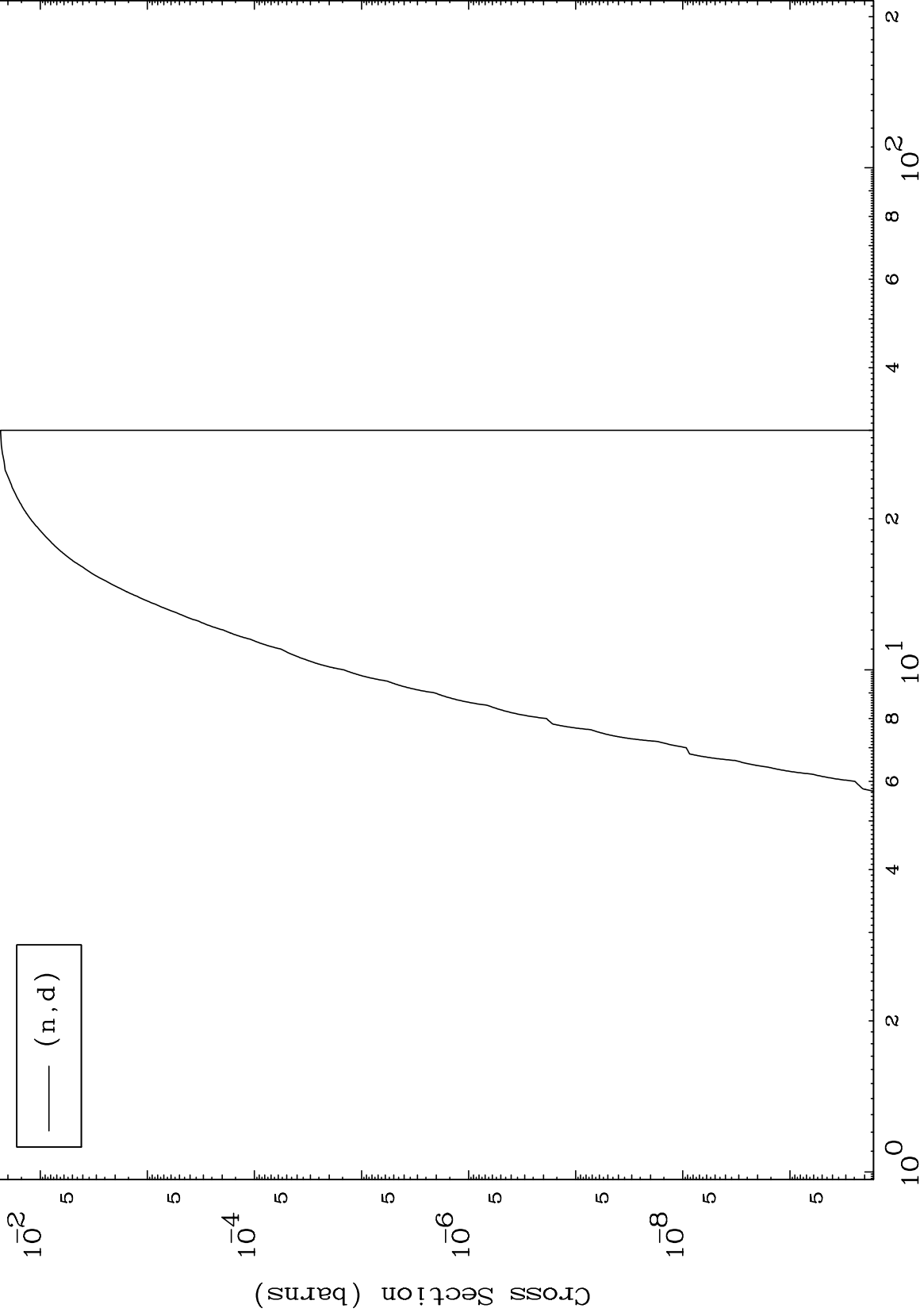
81-Tl-195



MAT 8101

(n,d) Levels
293 Kelvin Cross Sections

81-Tl-195



12

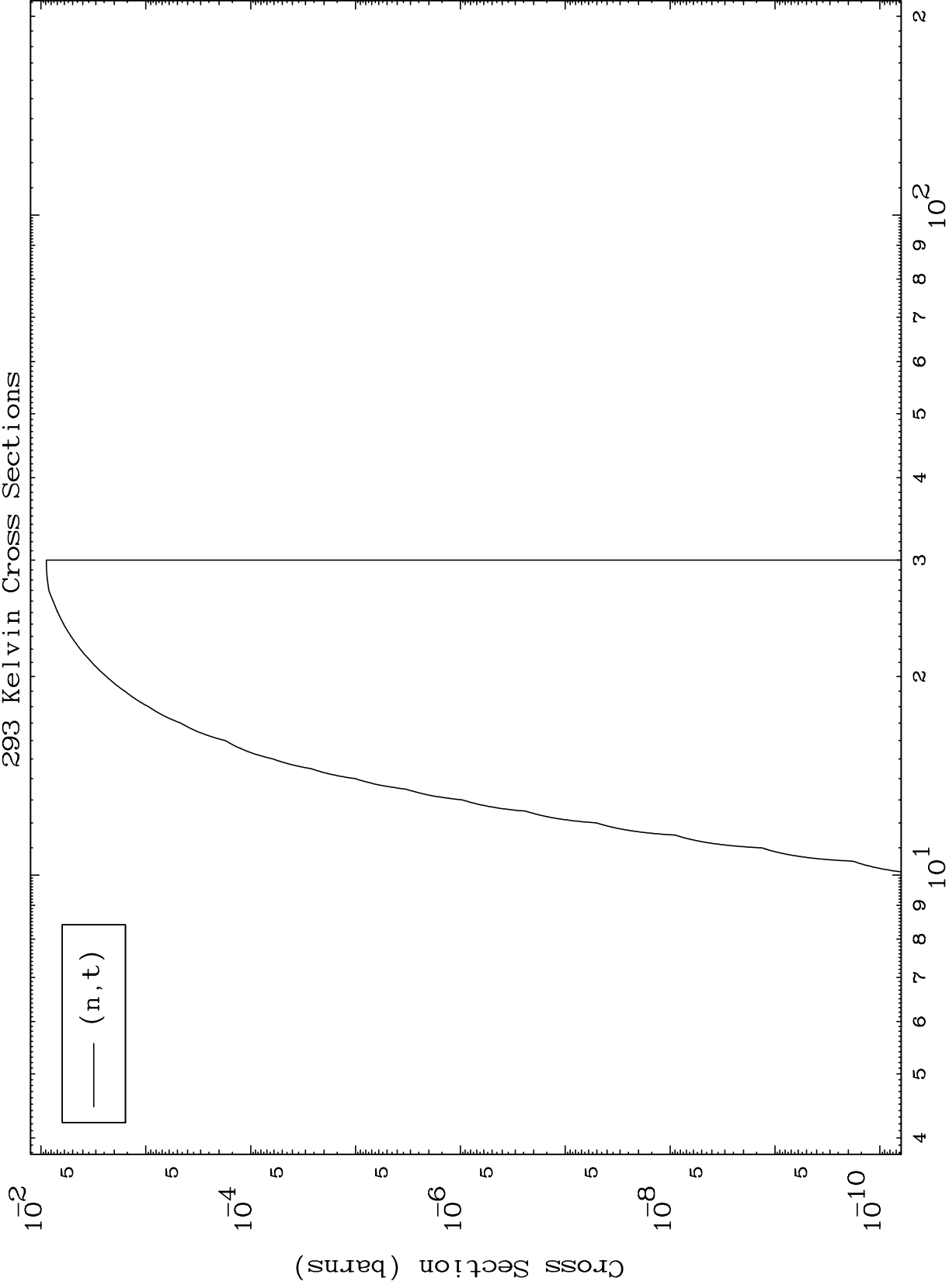
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81-Tl-195

MAT 8101

(n,t) Levels
293 Kelvin Cross Sections

81-Tl-195



13

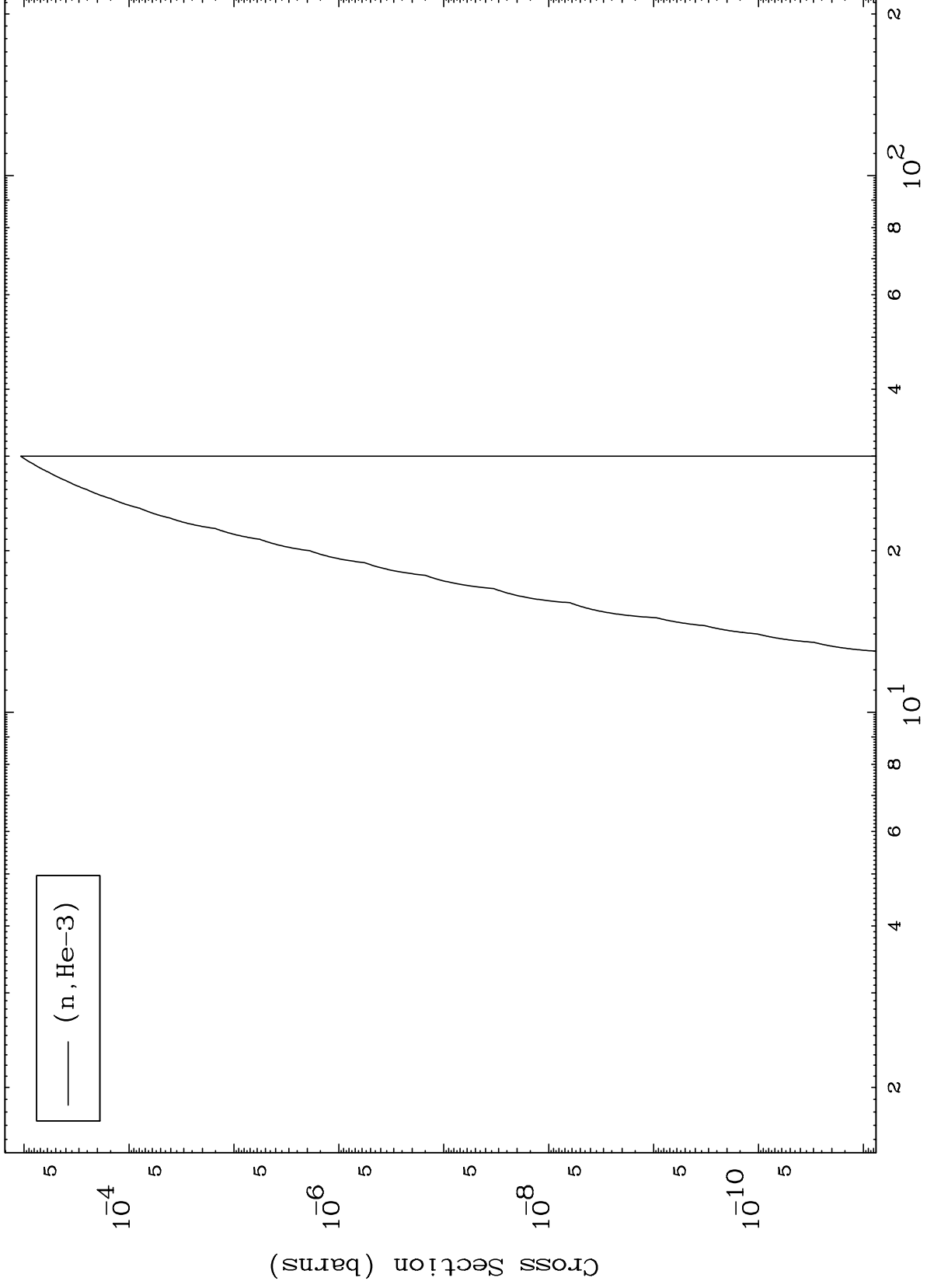
Incident Energy (MeV)

81-Tl-195

MAT 8101

(n,He3) Levels
293 Kelvin Cross Sections

81-T1-195



14

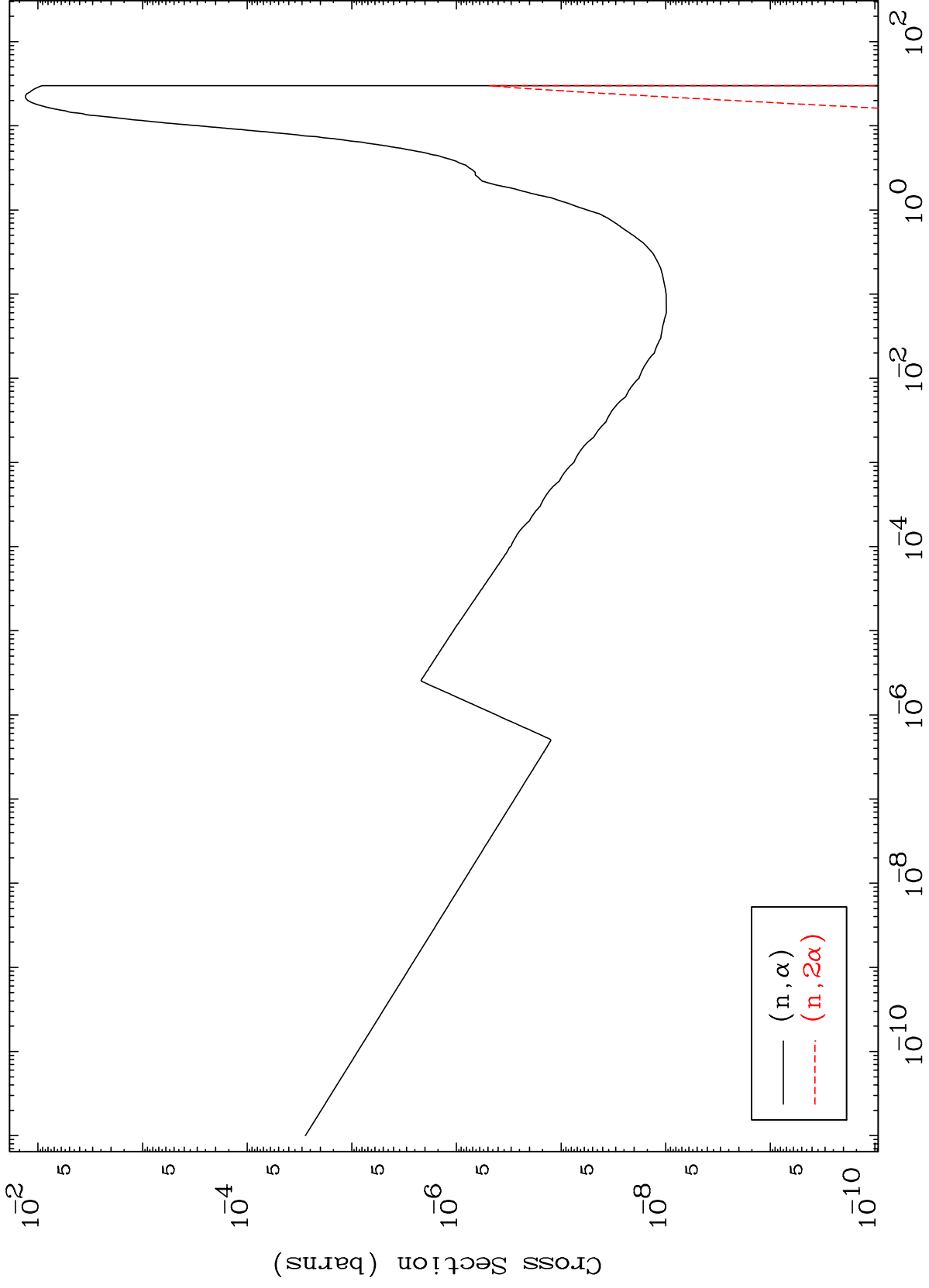
Incident Energy (MeV)

81-T1-195

MAT 8101

(n,α) Levels
293 Kelvin Cross Sections

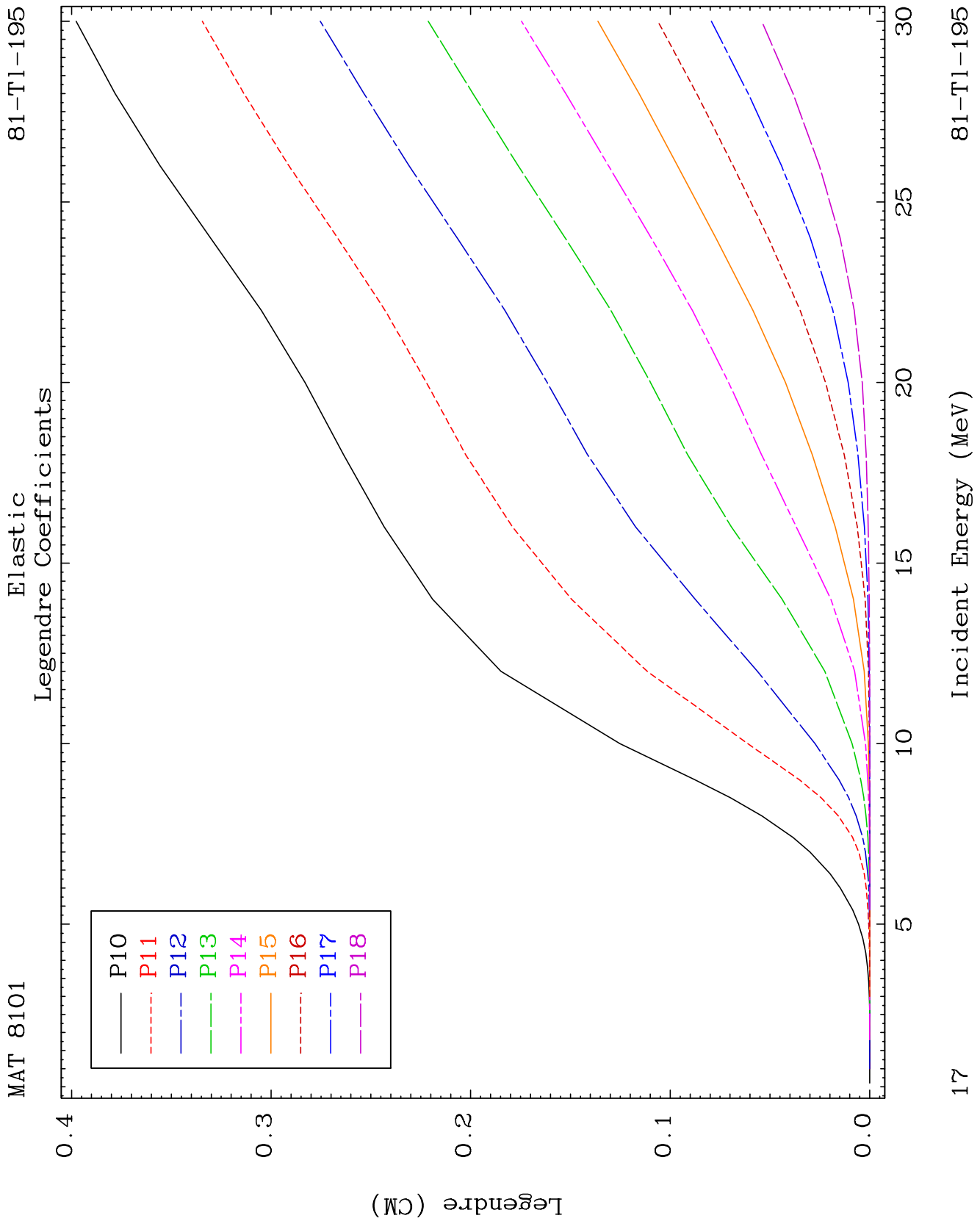
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15

Incident Energy (MeV)

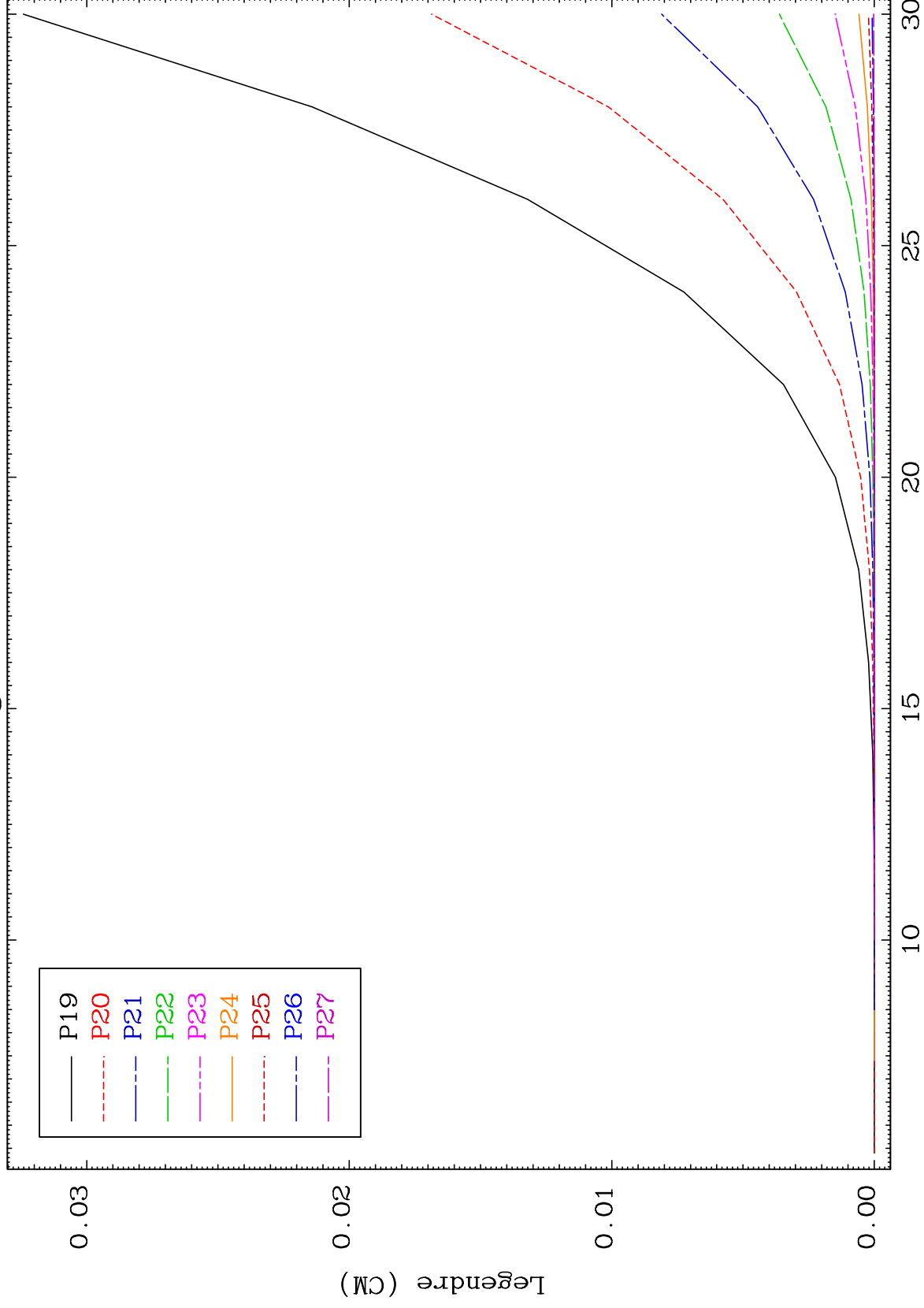
81-Tl-195



MAT 8101

Elastic Legendre Coefficients

81-T1-195



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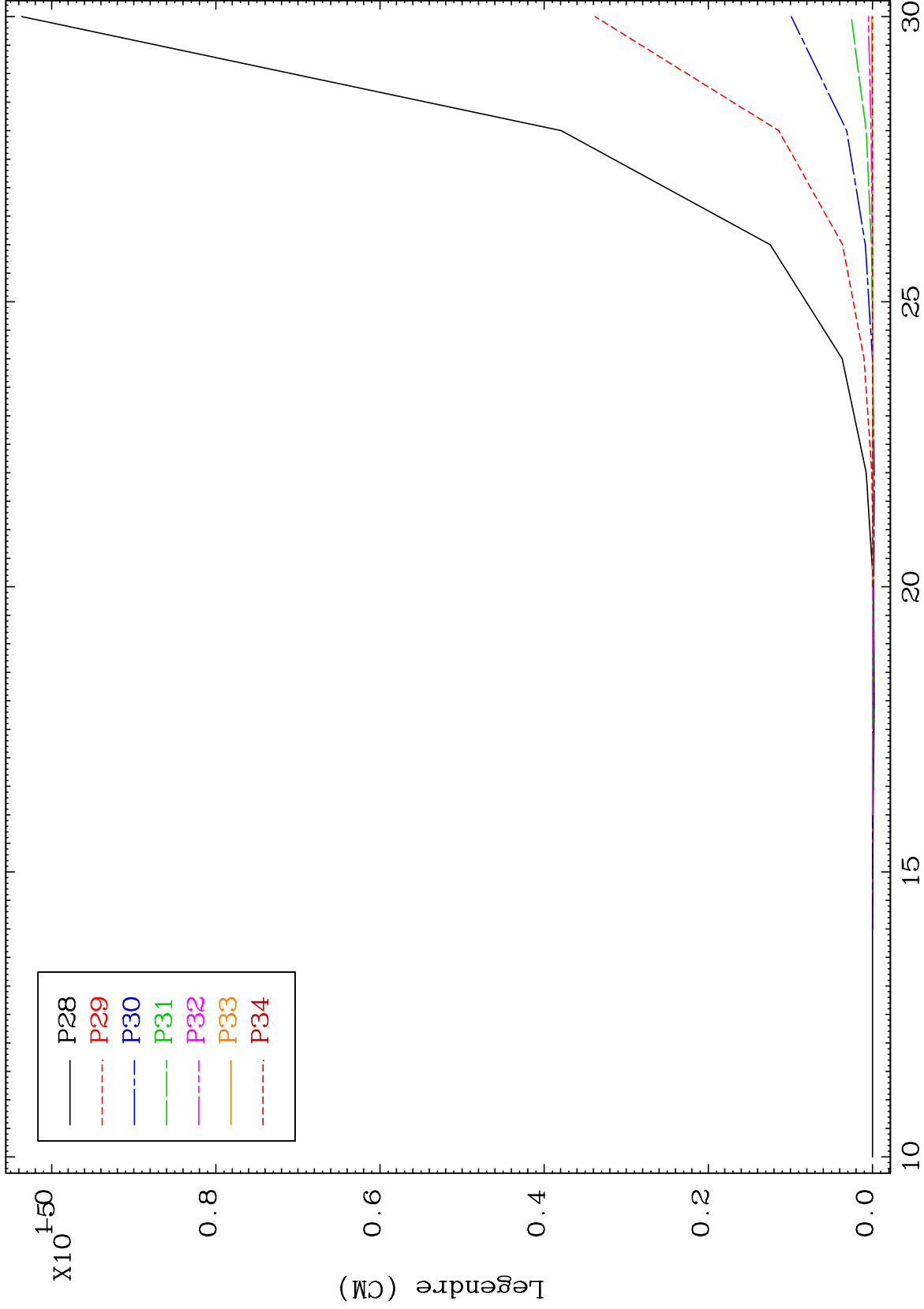
Incident Energy (MeV)

81-T1-195

MAT 8101

Elastic
Legendre Coefficients

81-T1-195



19

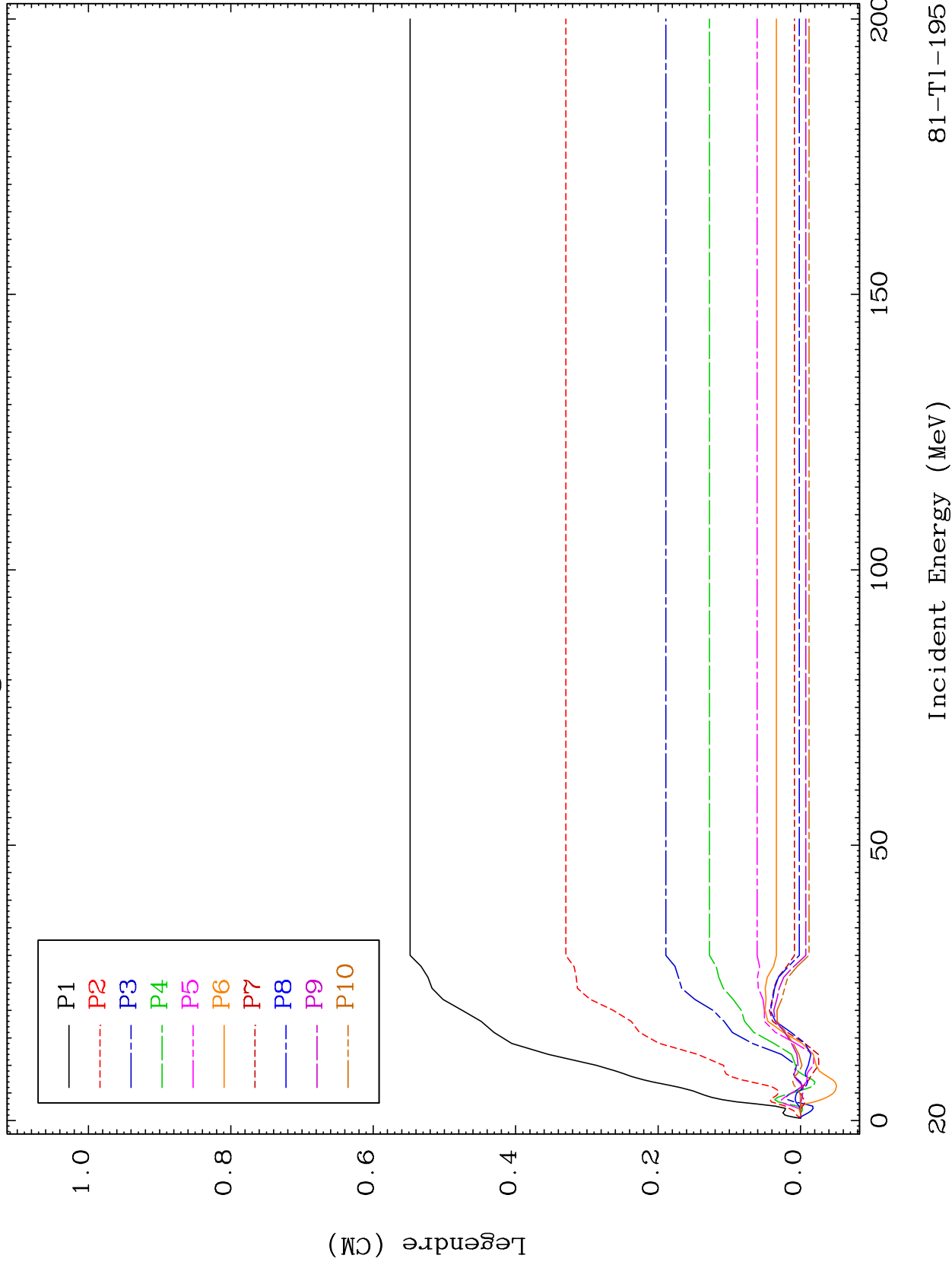
Incident Energy (MeV)

81-T1-195

MAT 8101

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

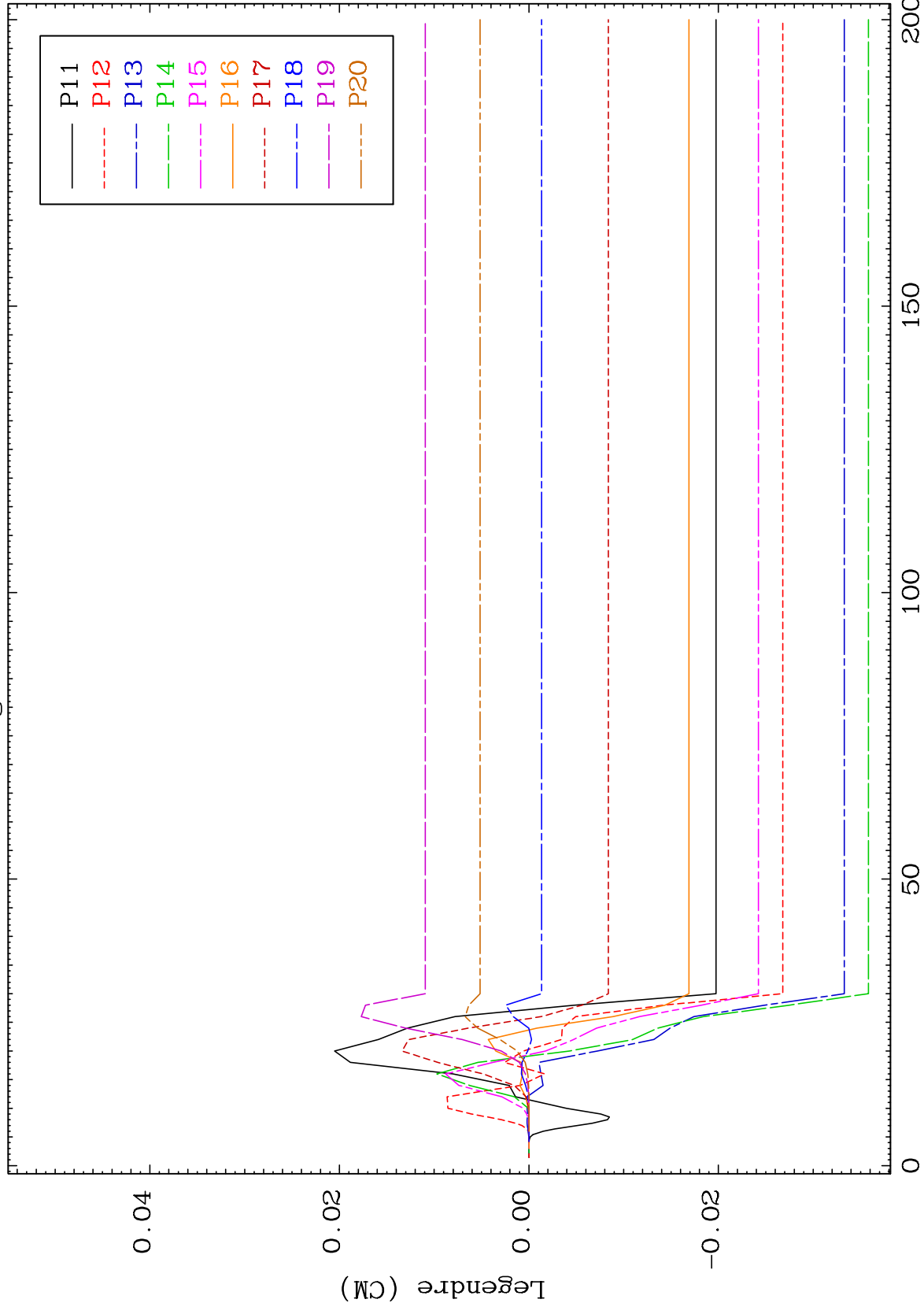
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MAT 8101

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

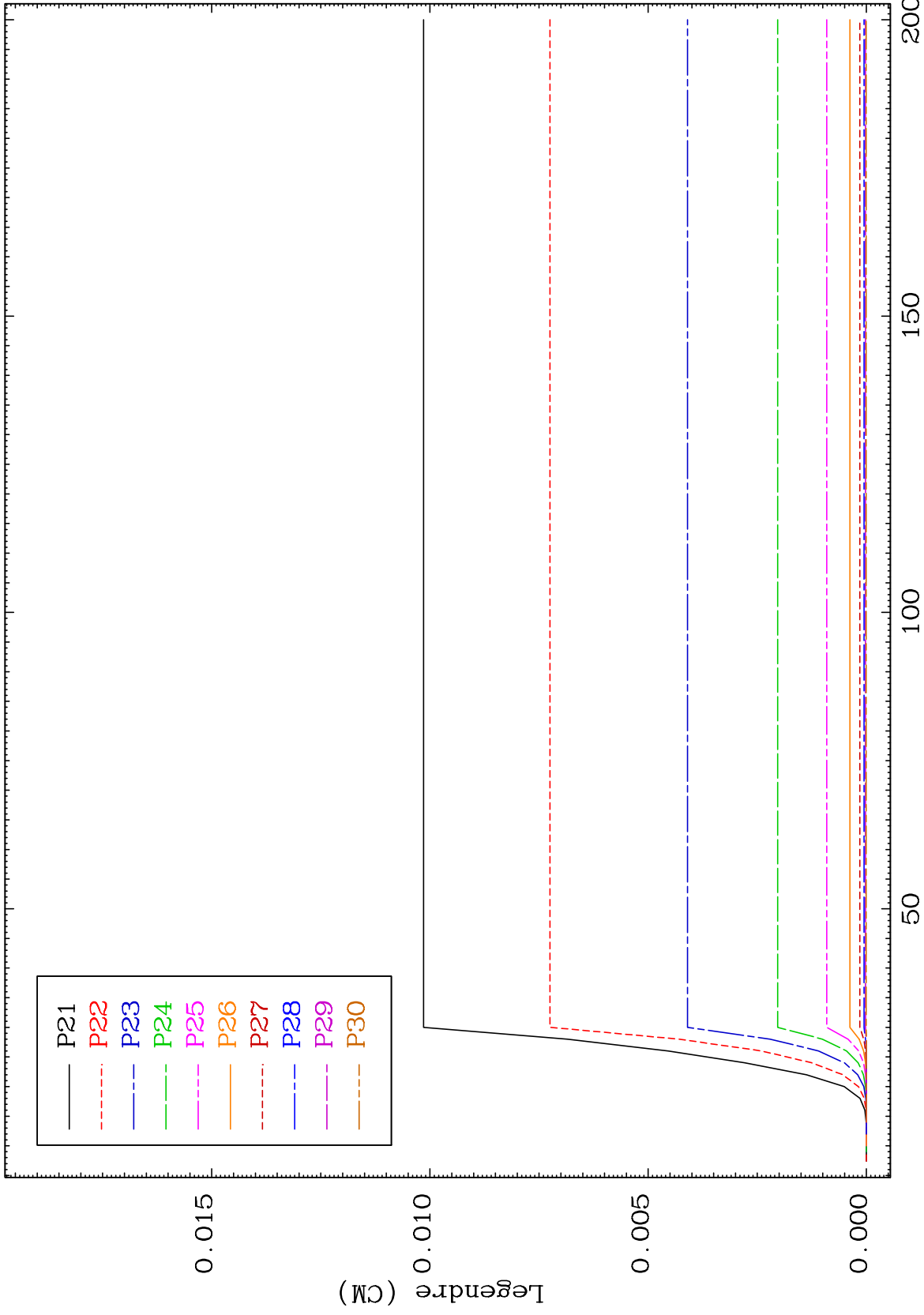
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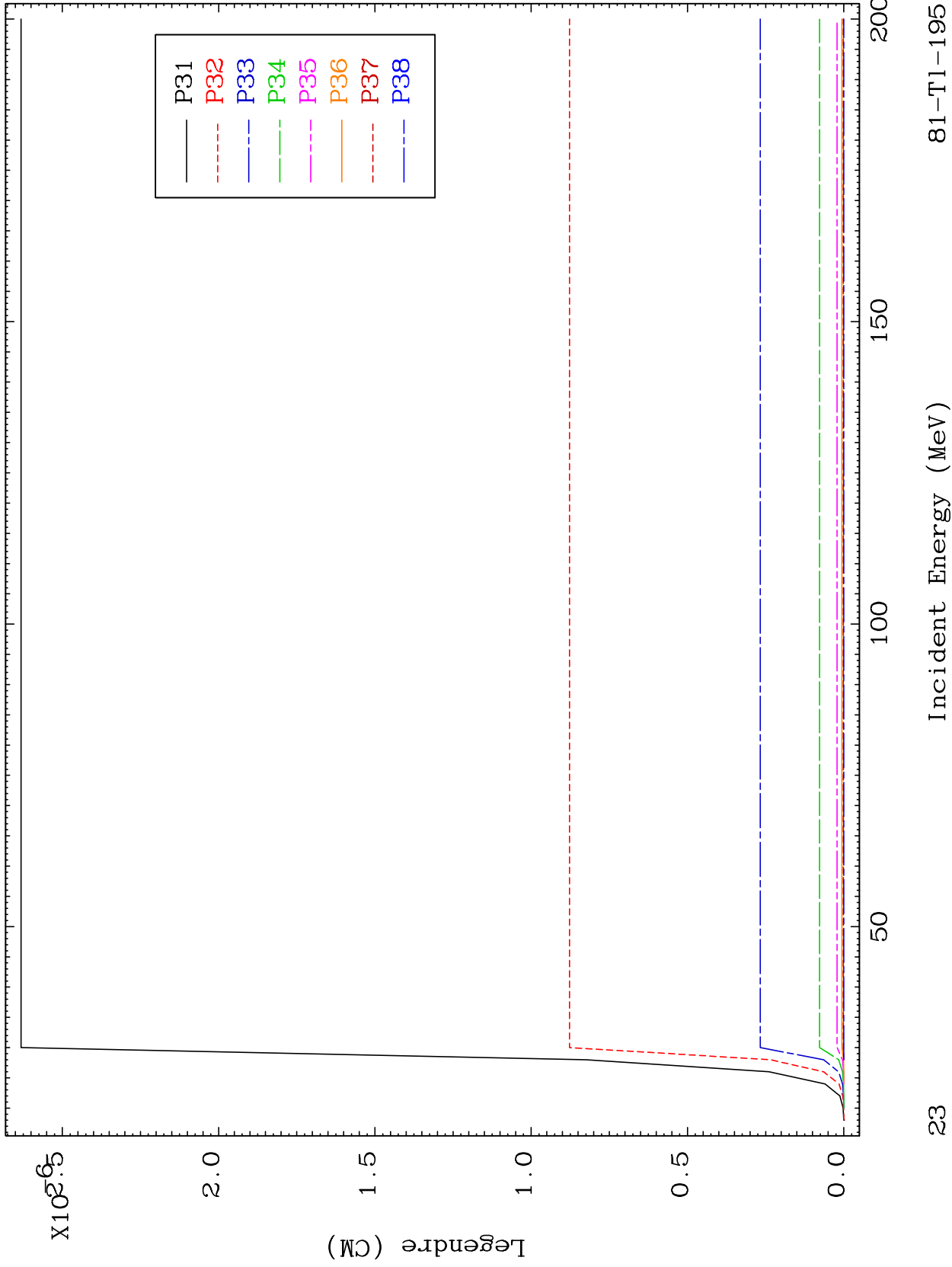


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Incident Energy (MeV)

81-T1-195

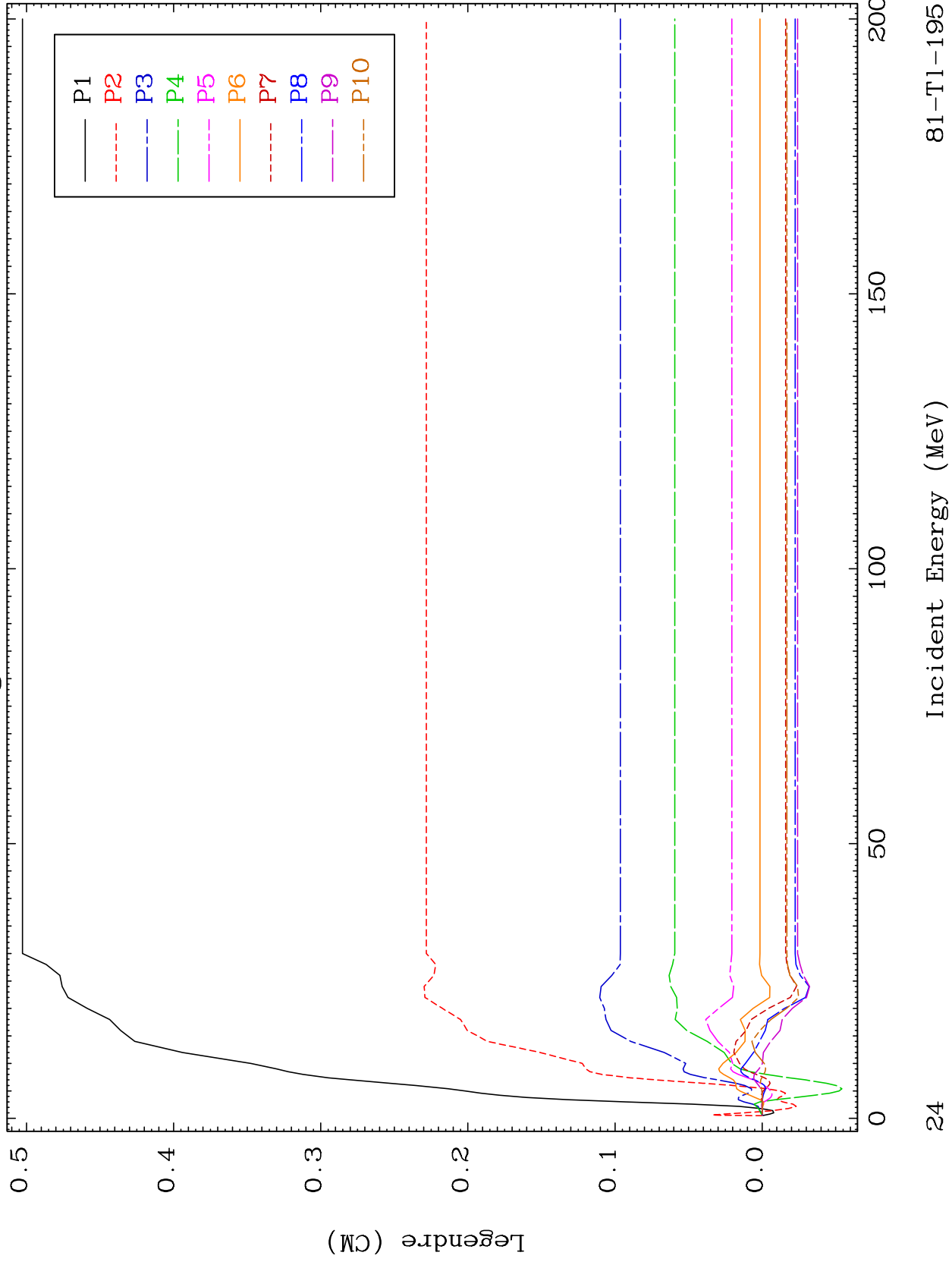




MAT 8101

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

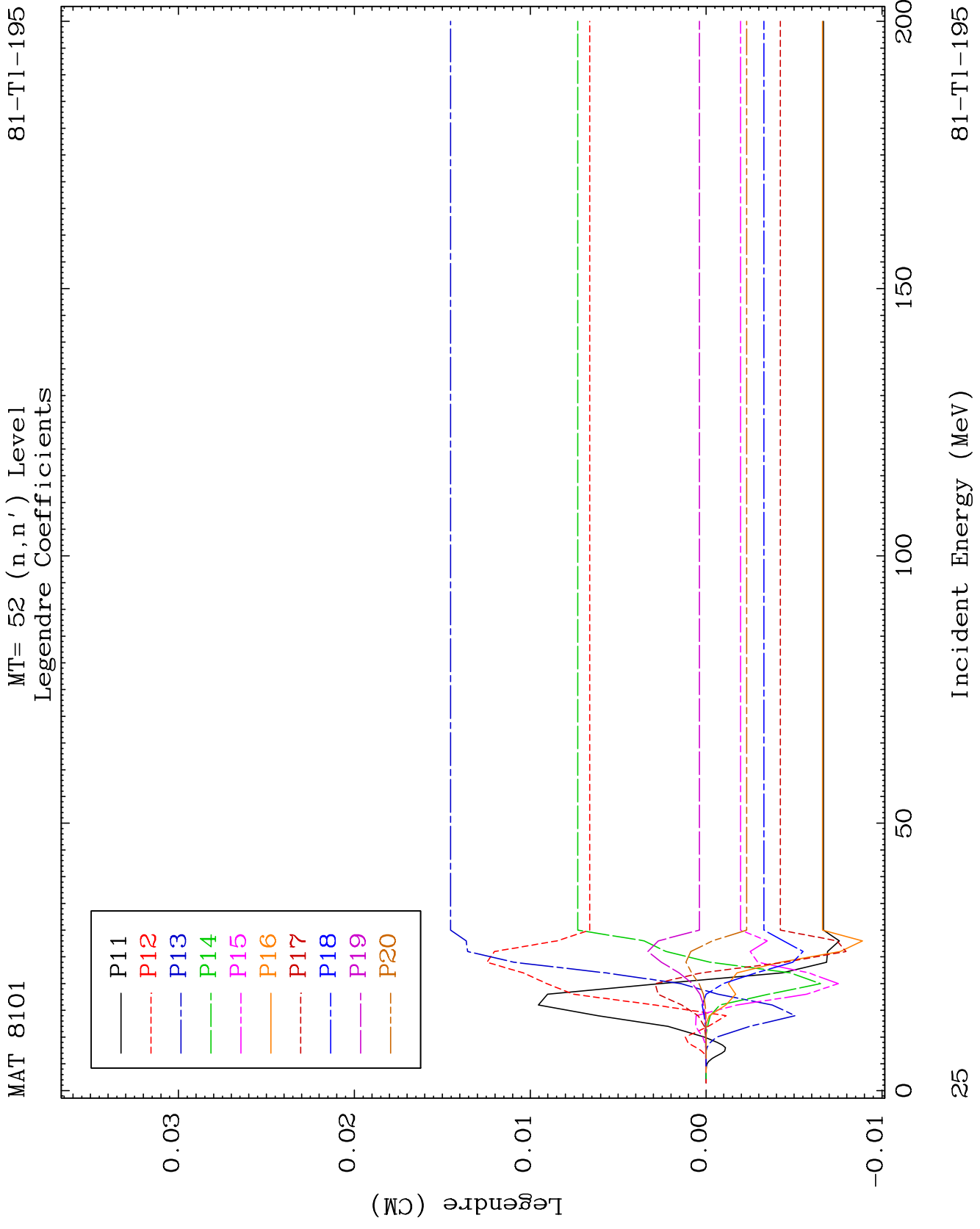
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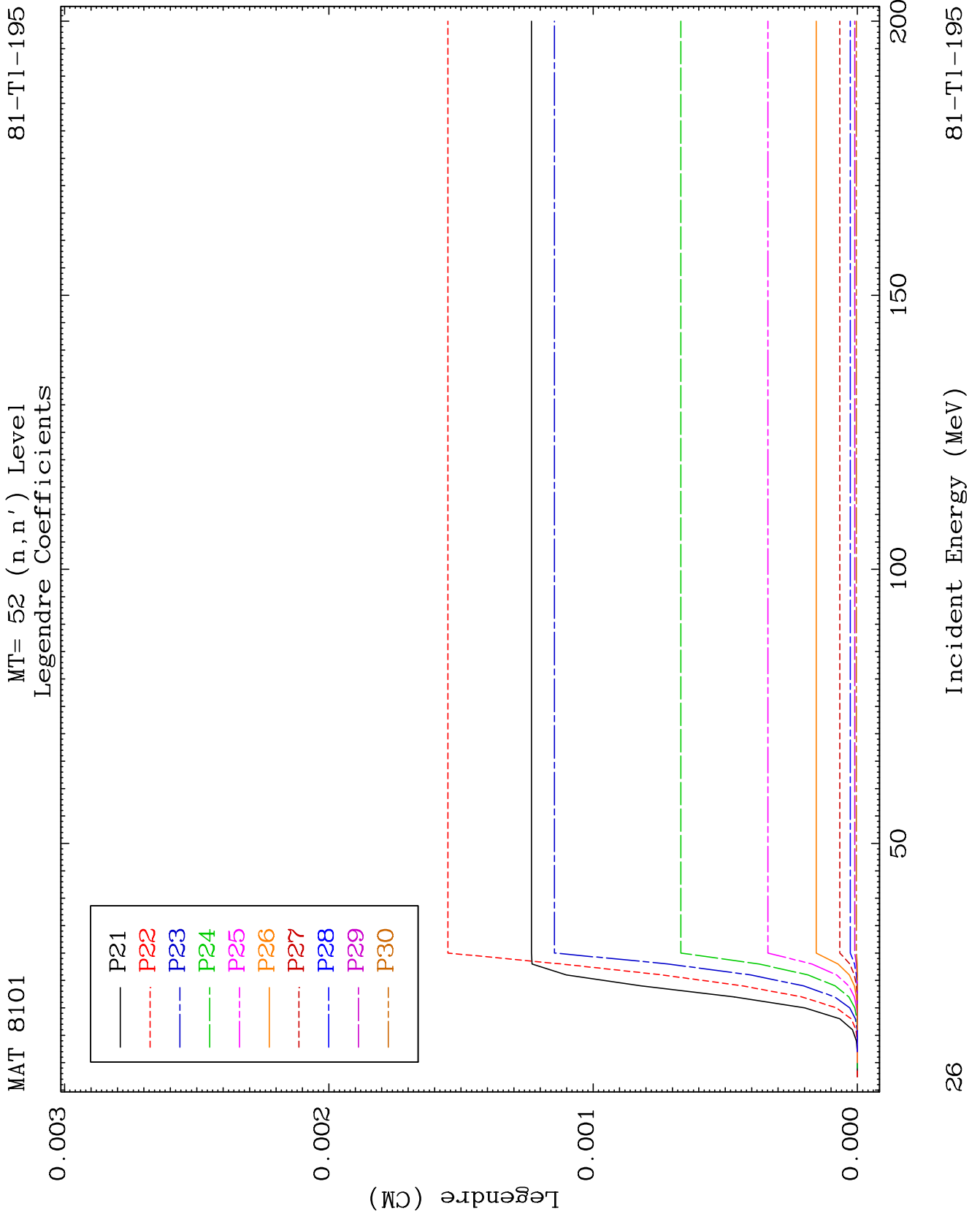


81-T1-195

Incident Energy (MeV)

24

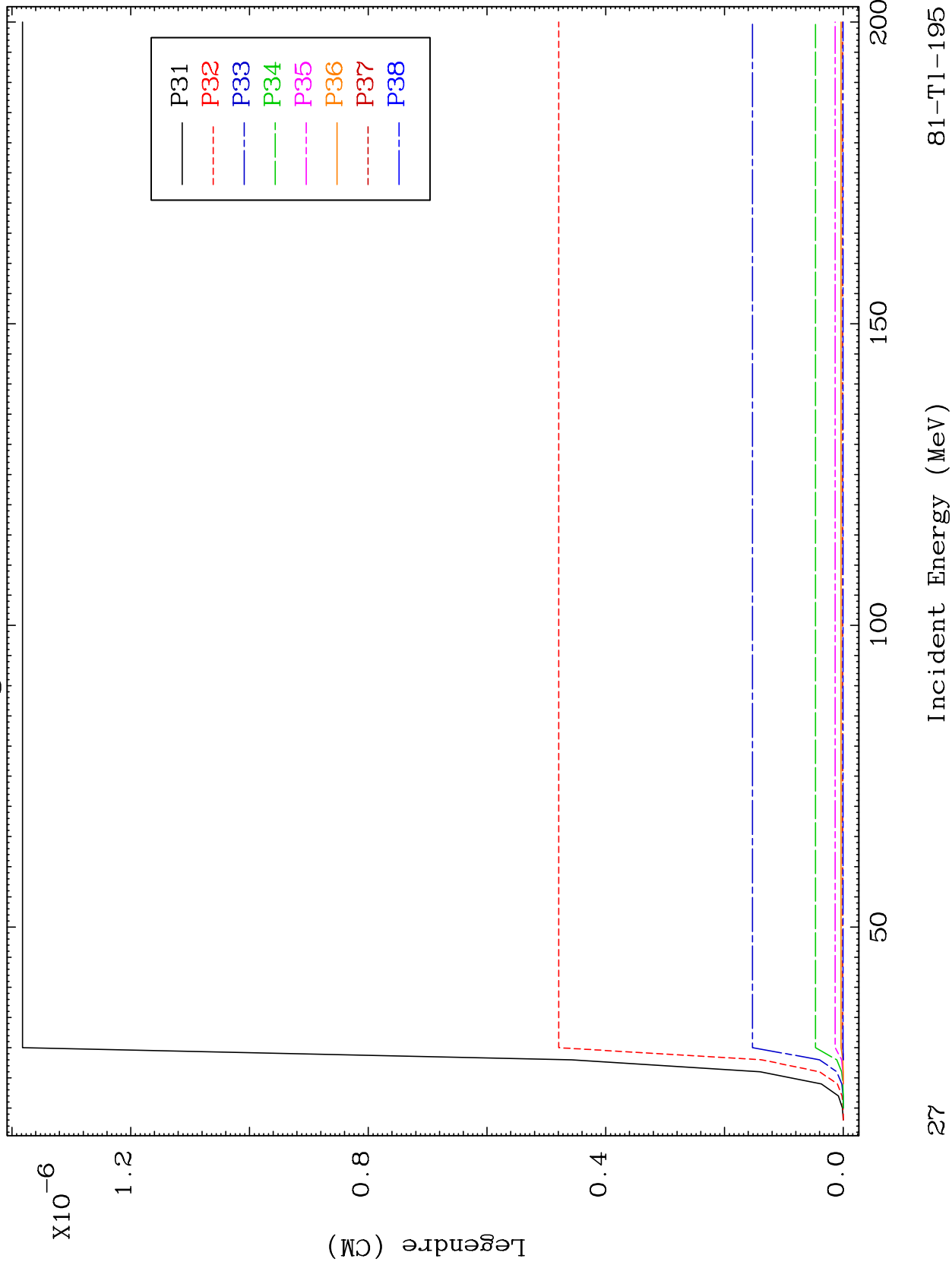




MAT 8101

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

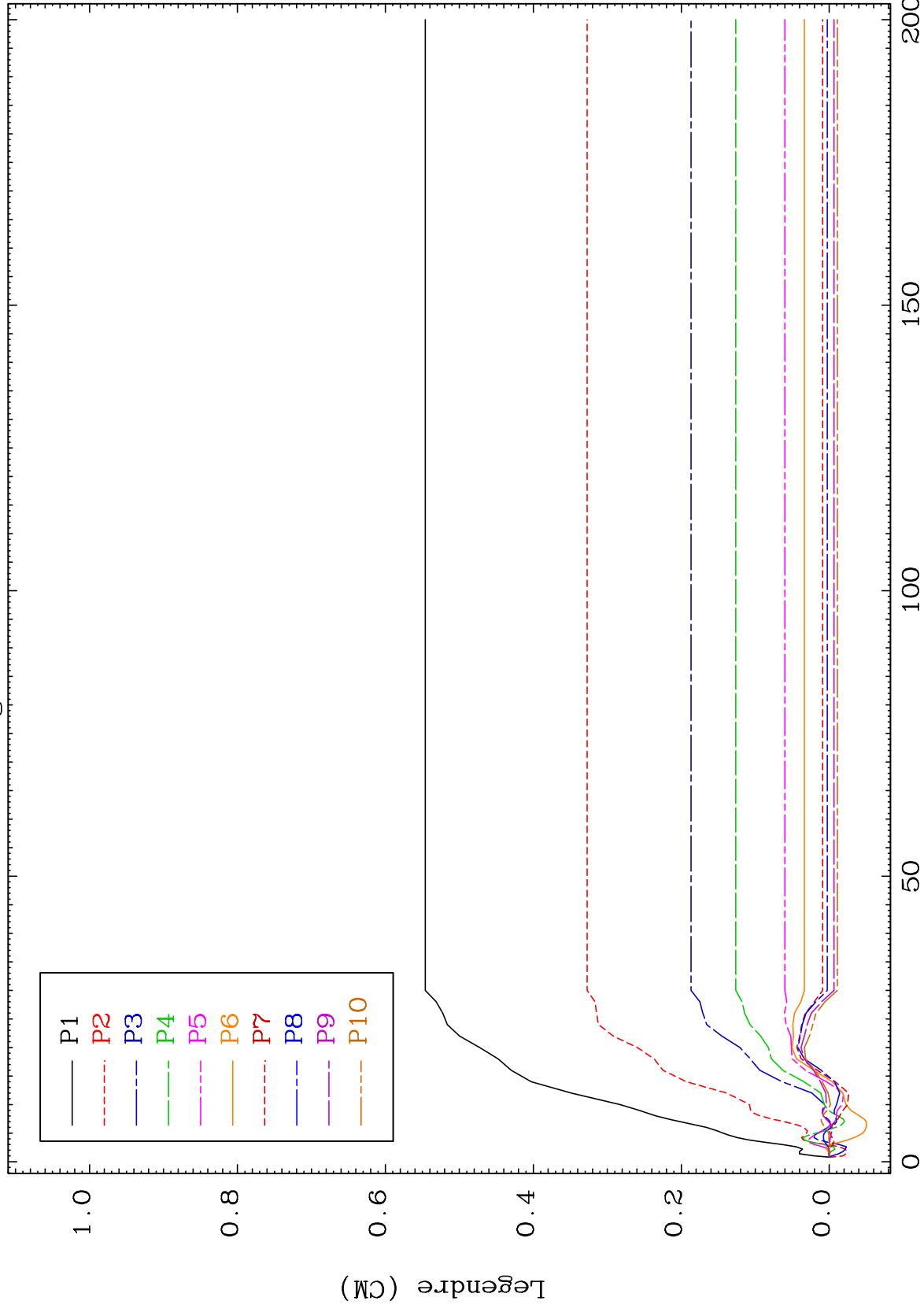
81-T1-195



MAT 8101

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

81-T1-195



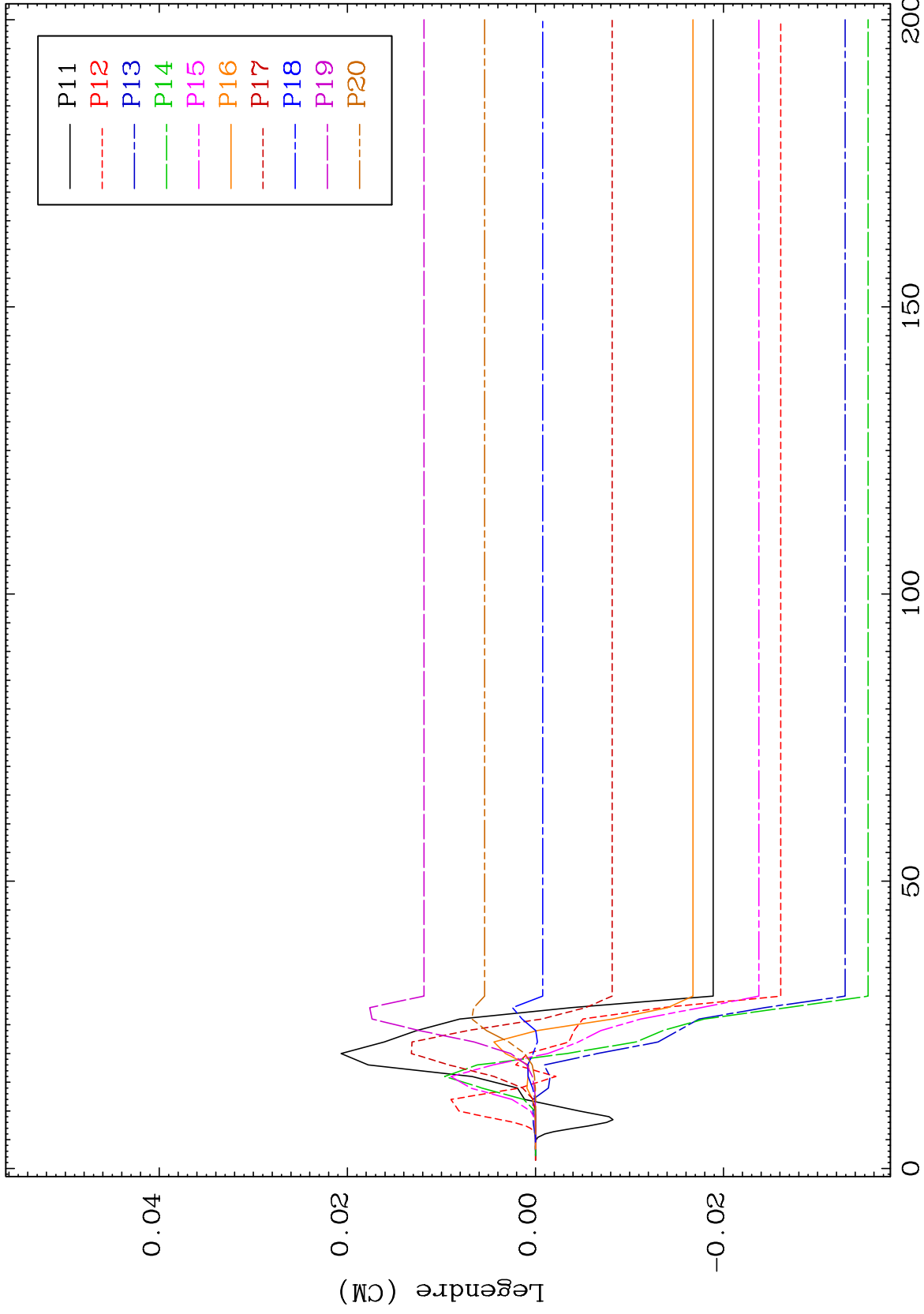
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81-T1-195

MAT 8101

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

81-T1-195



29

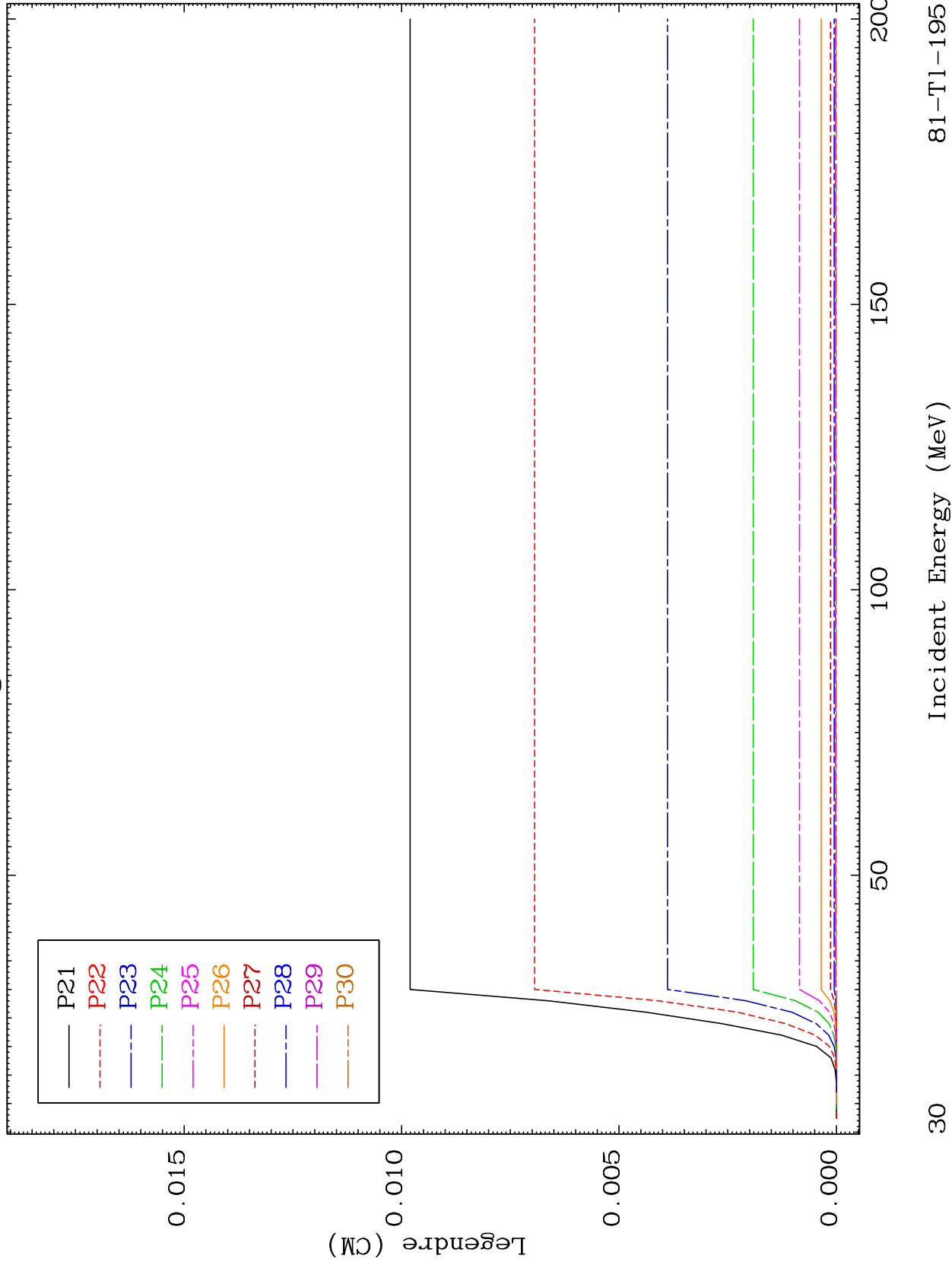
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-Tl-195



81-Tl-195

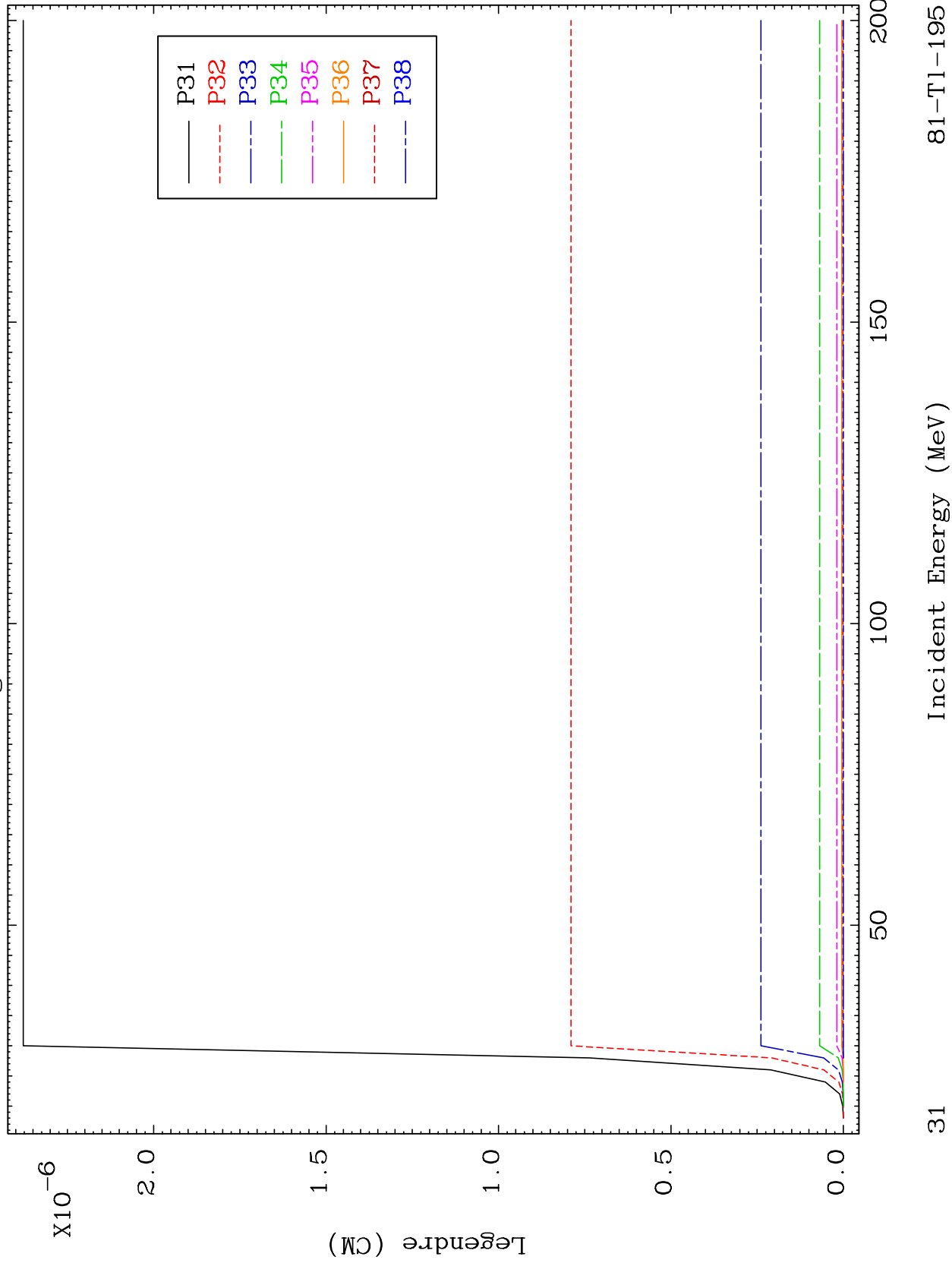
Incident Energy (MeV)

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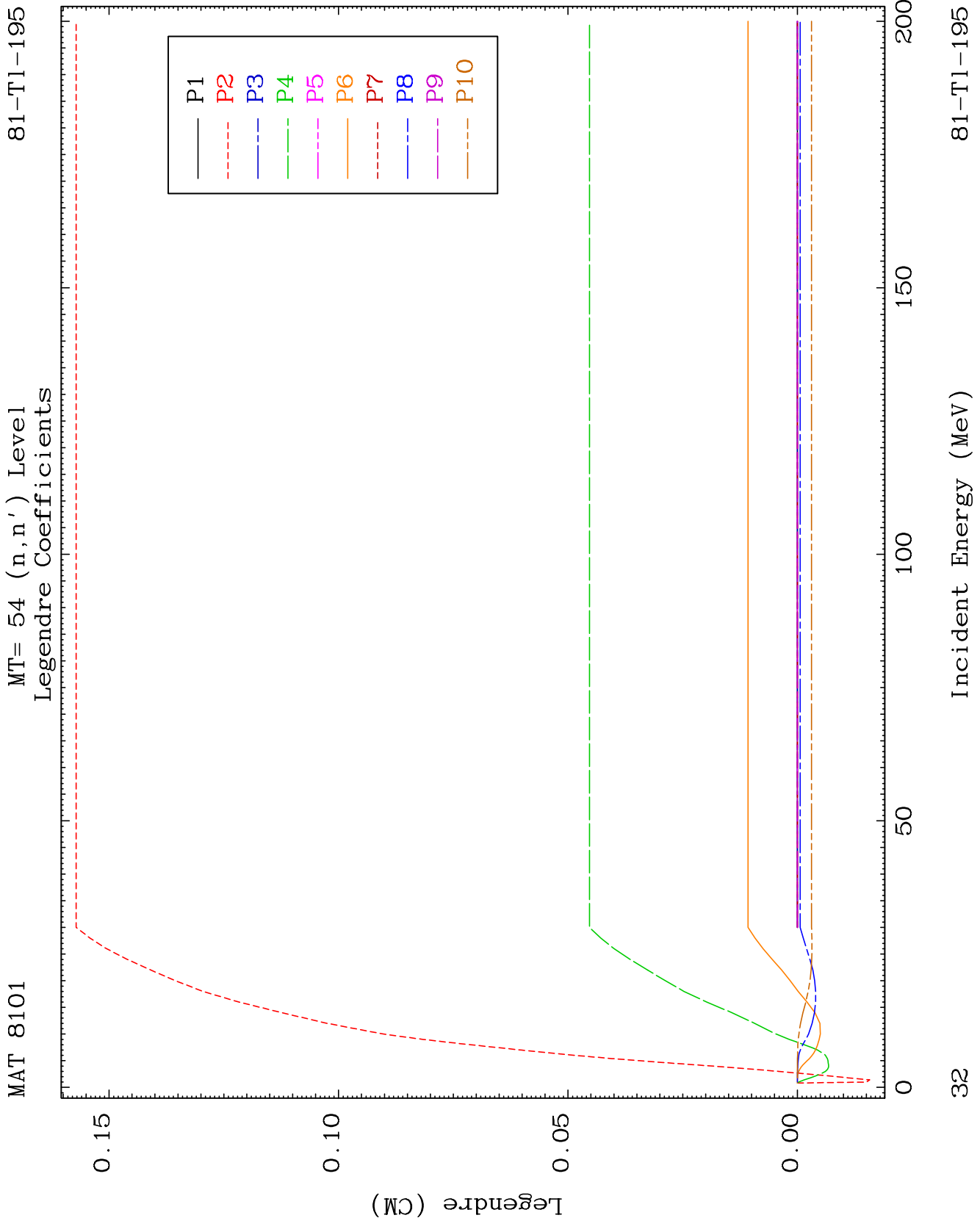
MAT 8101

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

81-T1-195



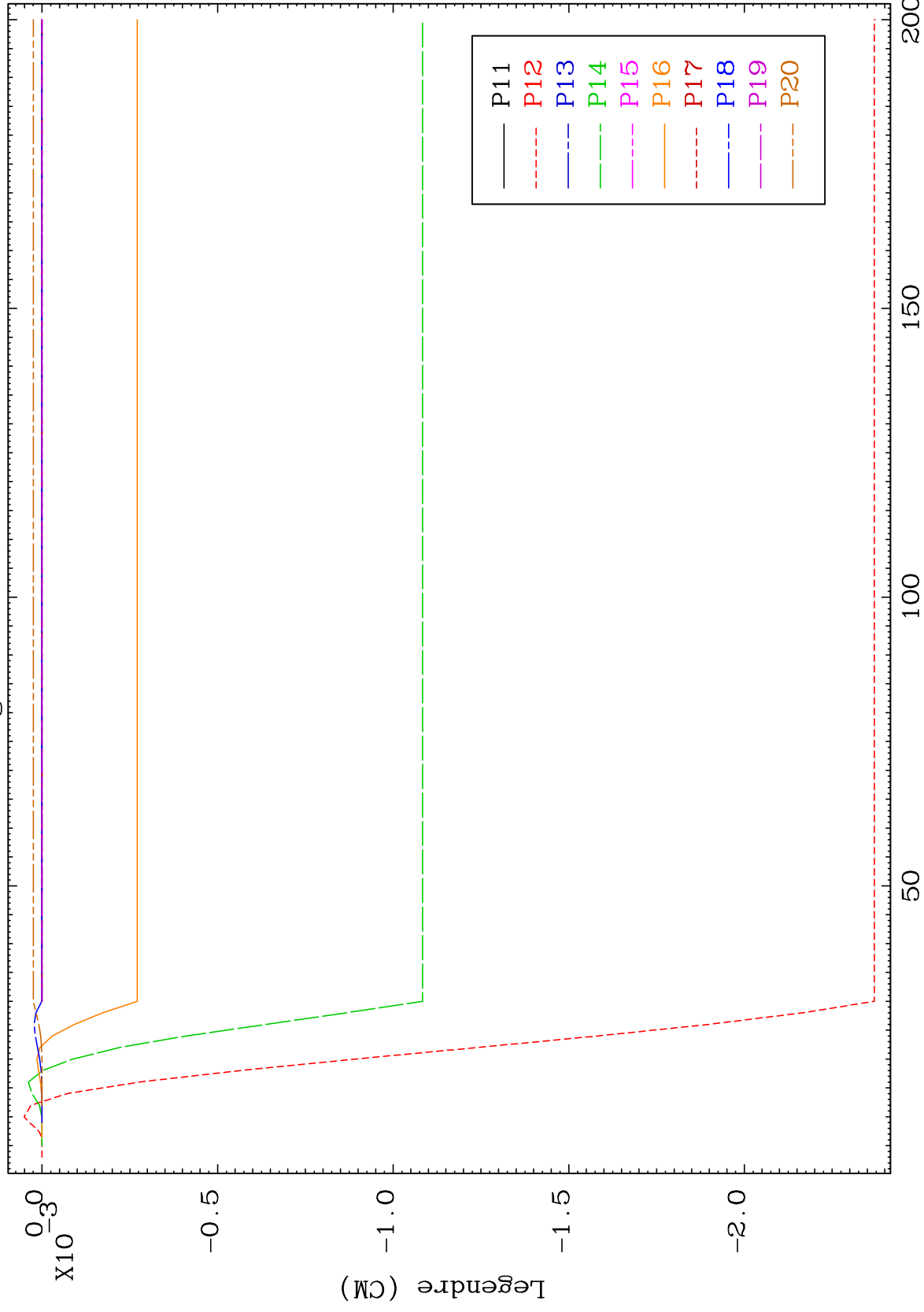
31



MAT 8101

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

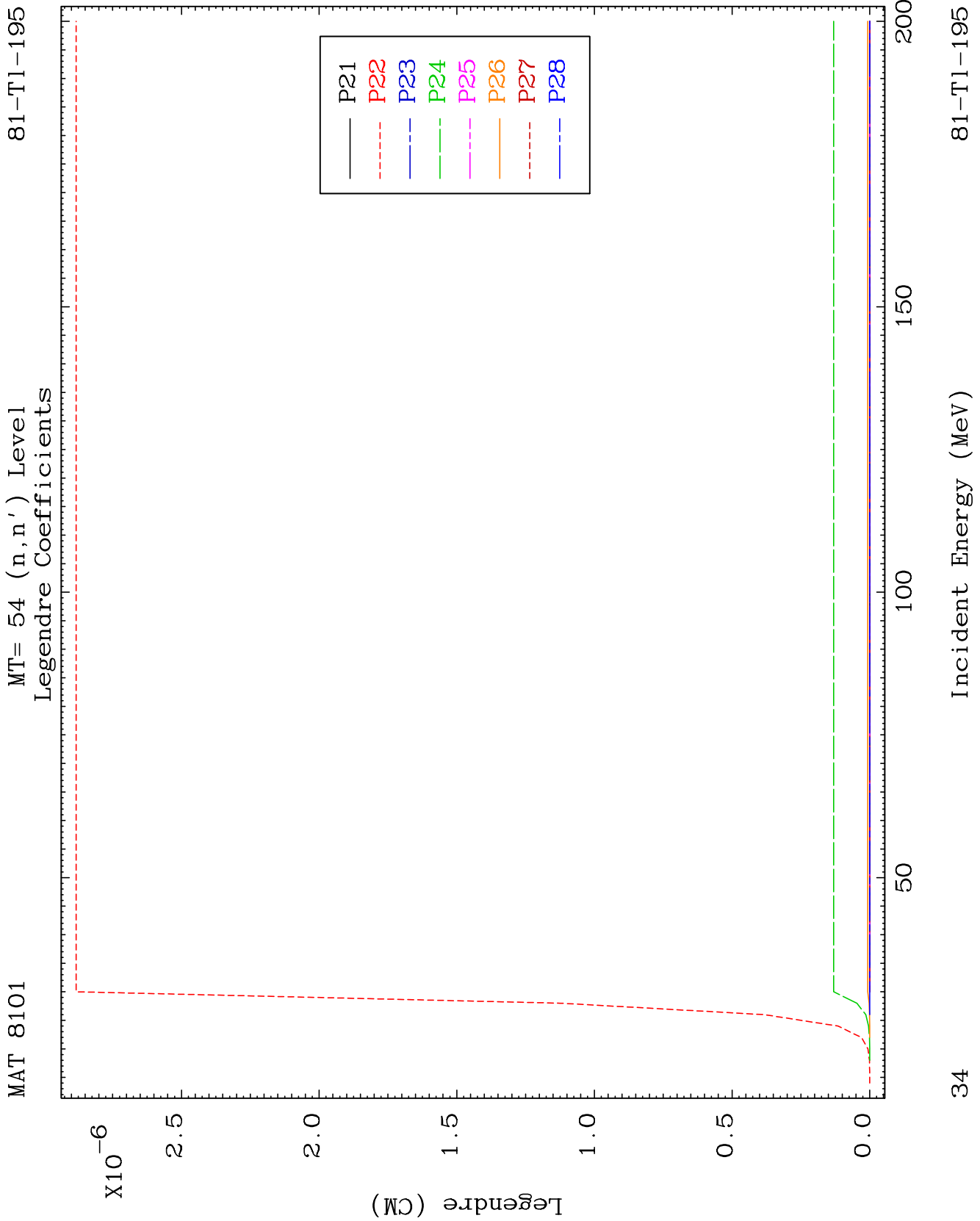
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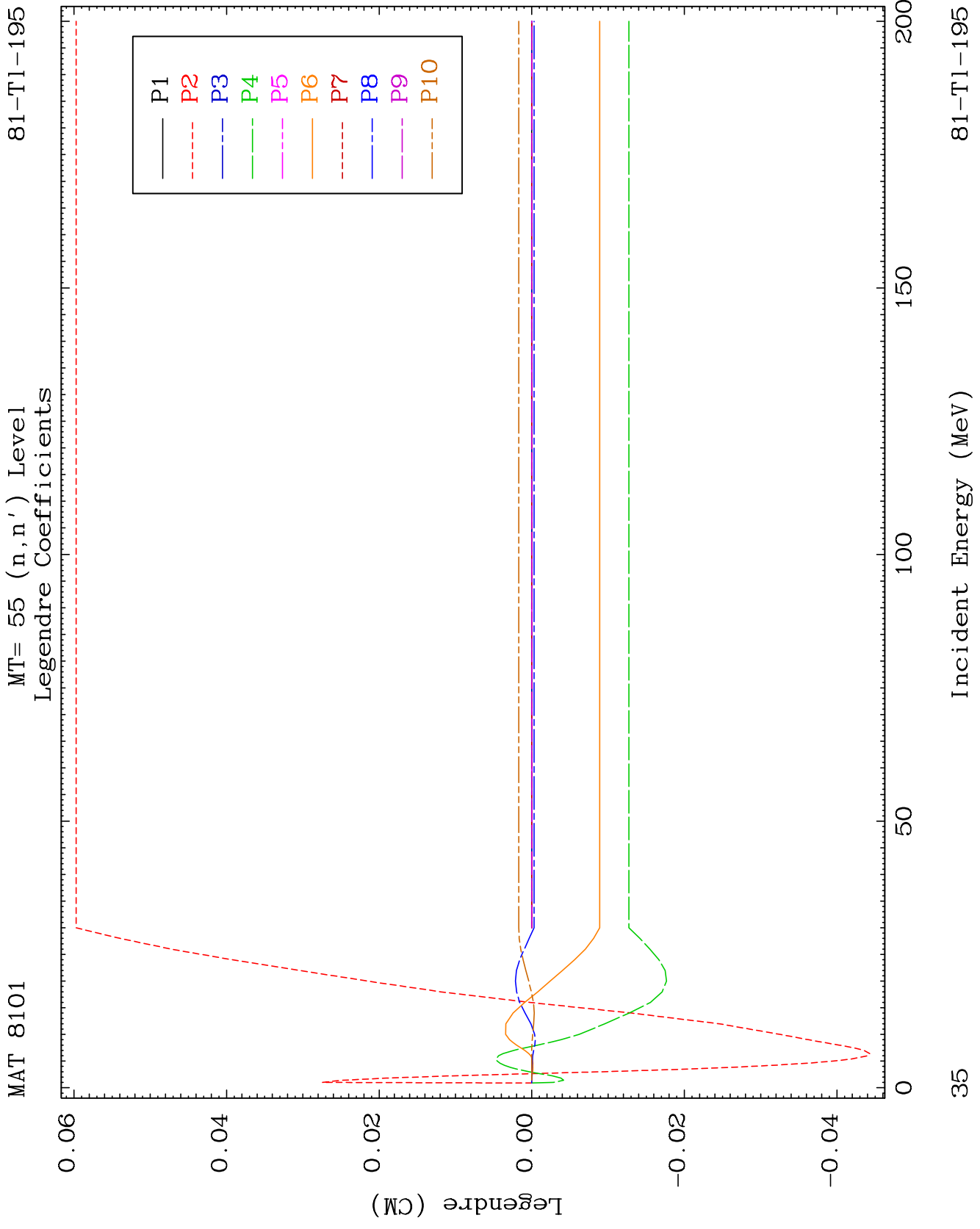


33

Incident Energy (MeV)

81-T1-195

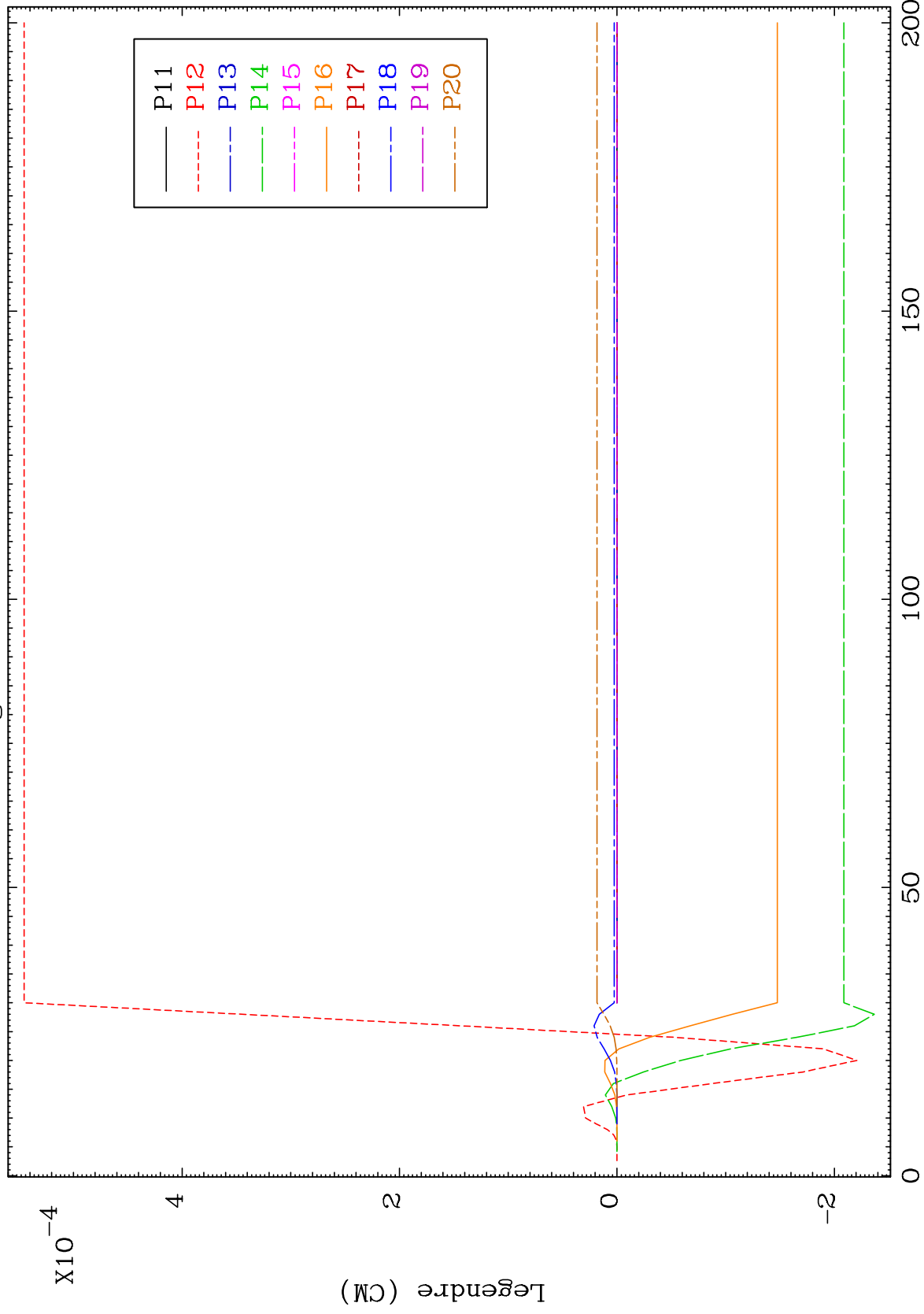




MAT 8101

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

81-T1-195



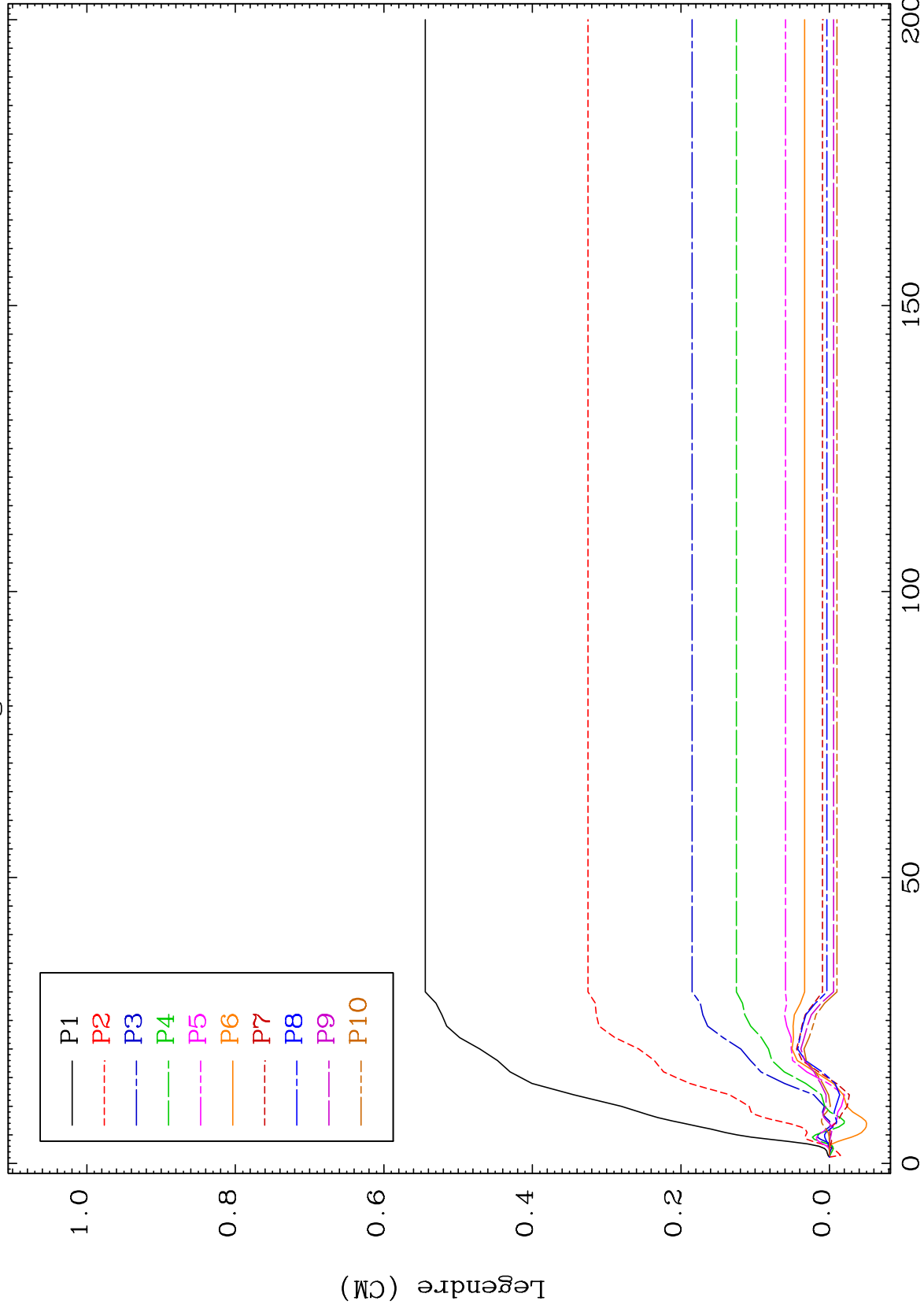
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81-T1-195

MAT 8101

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

81-T1-195



38

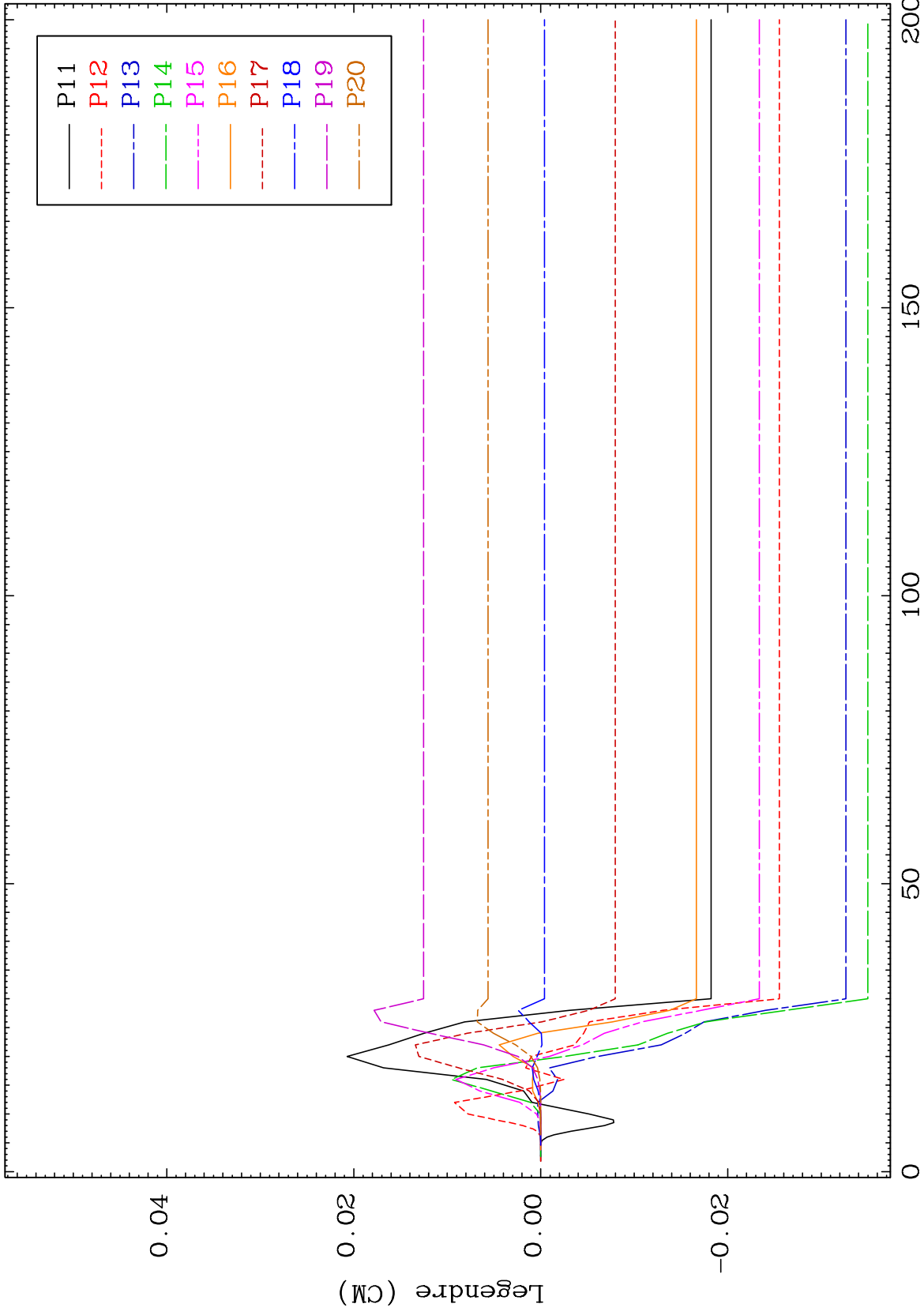
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



39

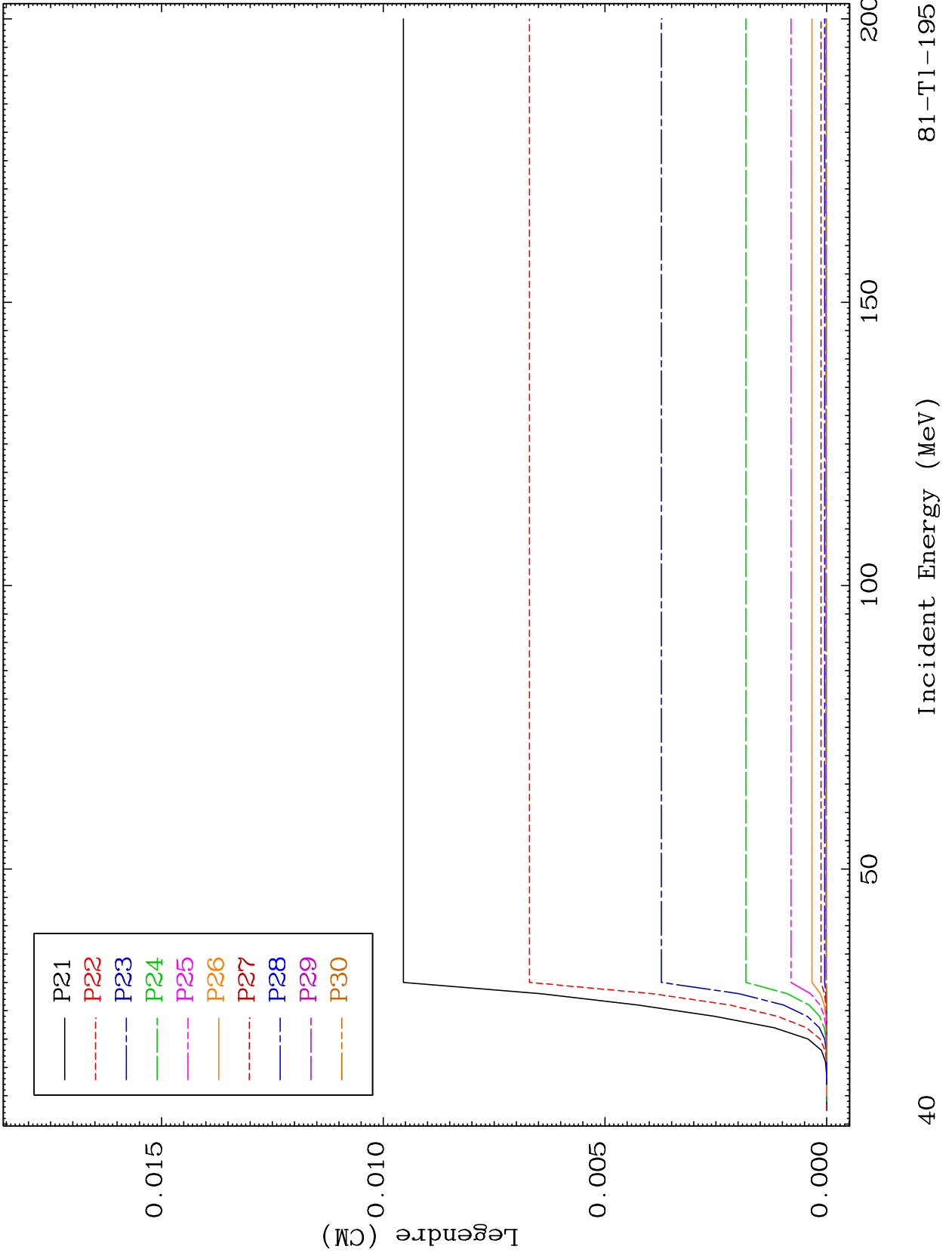
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-Tl-195



40

Incident Energy (MeV)

50

100

150

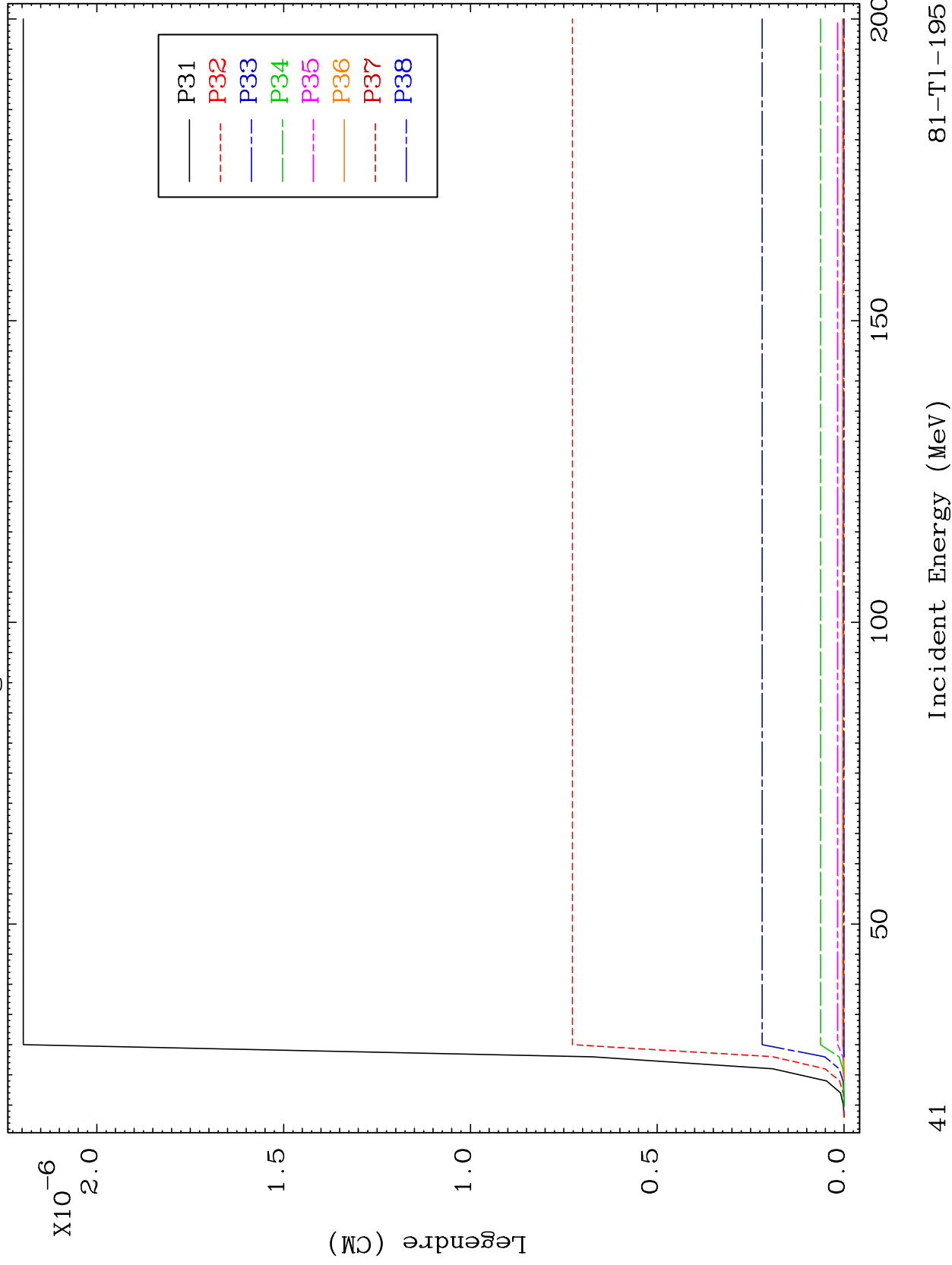
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81-Tl-195

MAT 8101

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

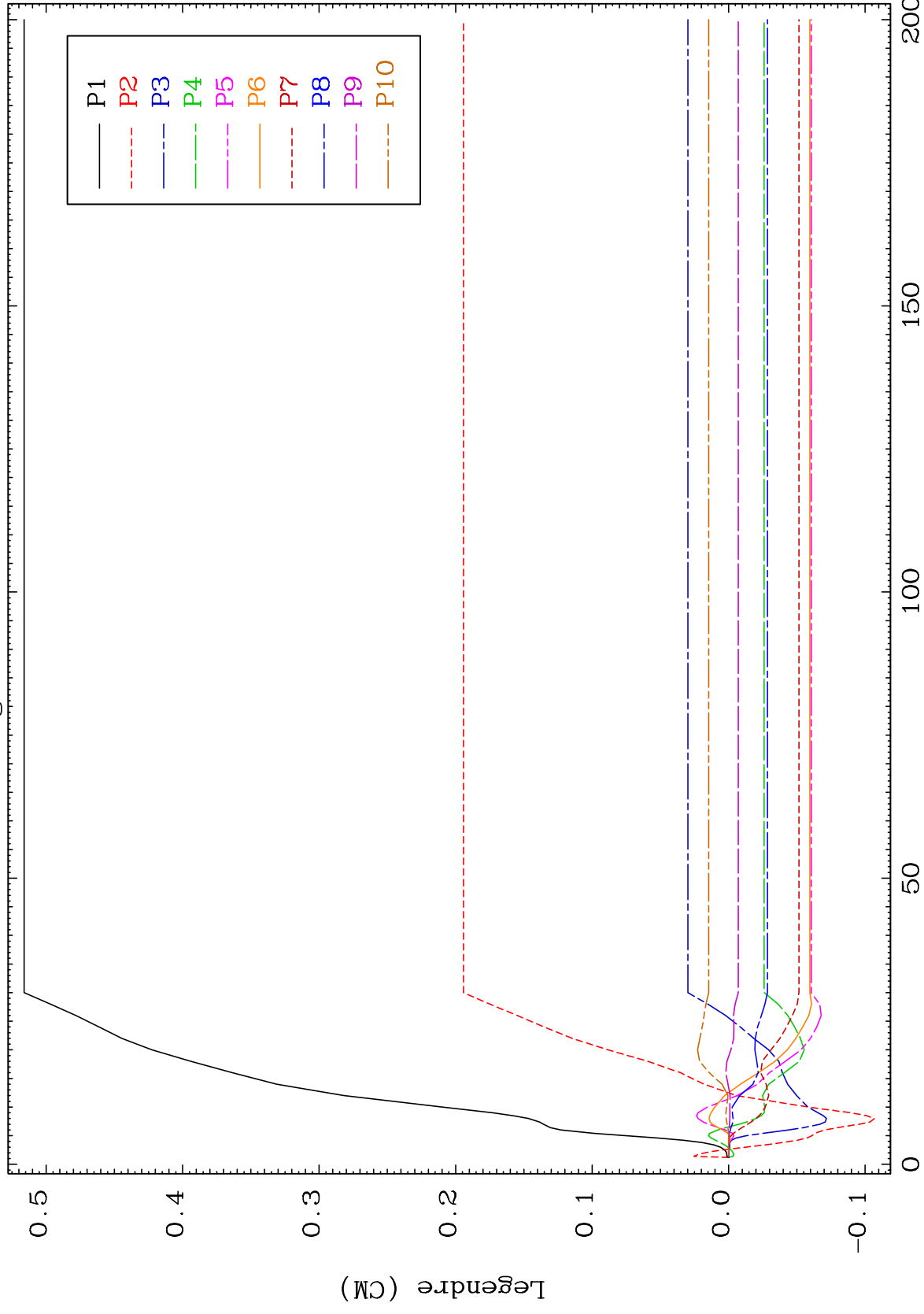
81-T1-195



MAT 8101

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

81-T1-195



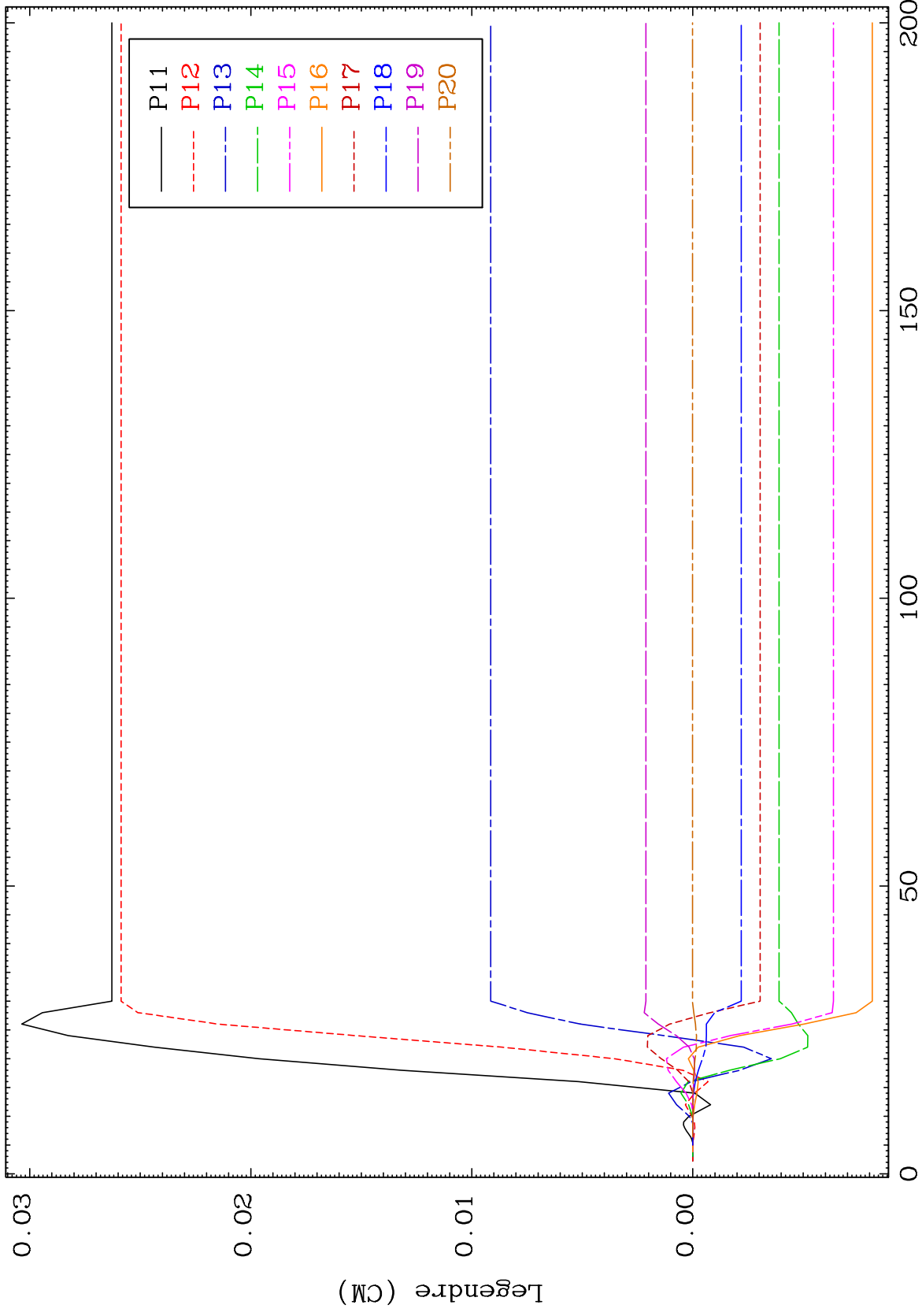
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81-T1-195

MAT 8101

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

81-T1-195



43

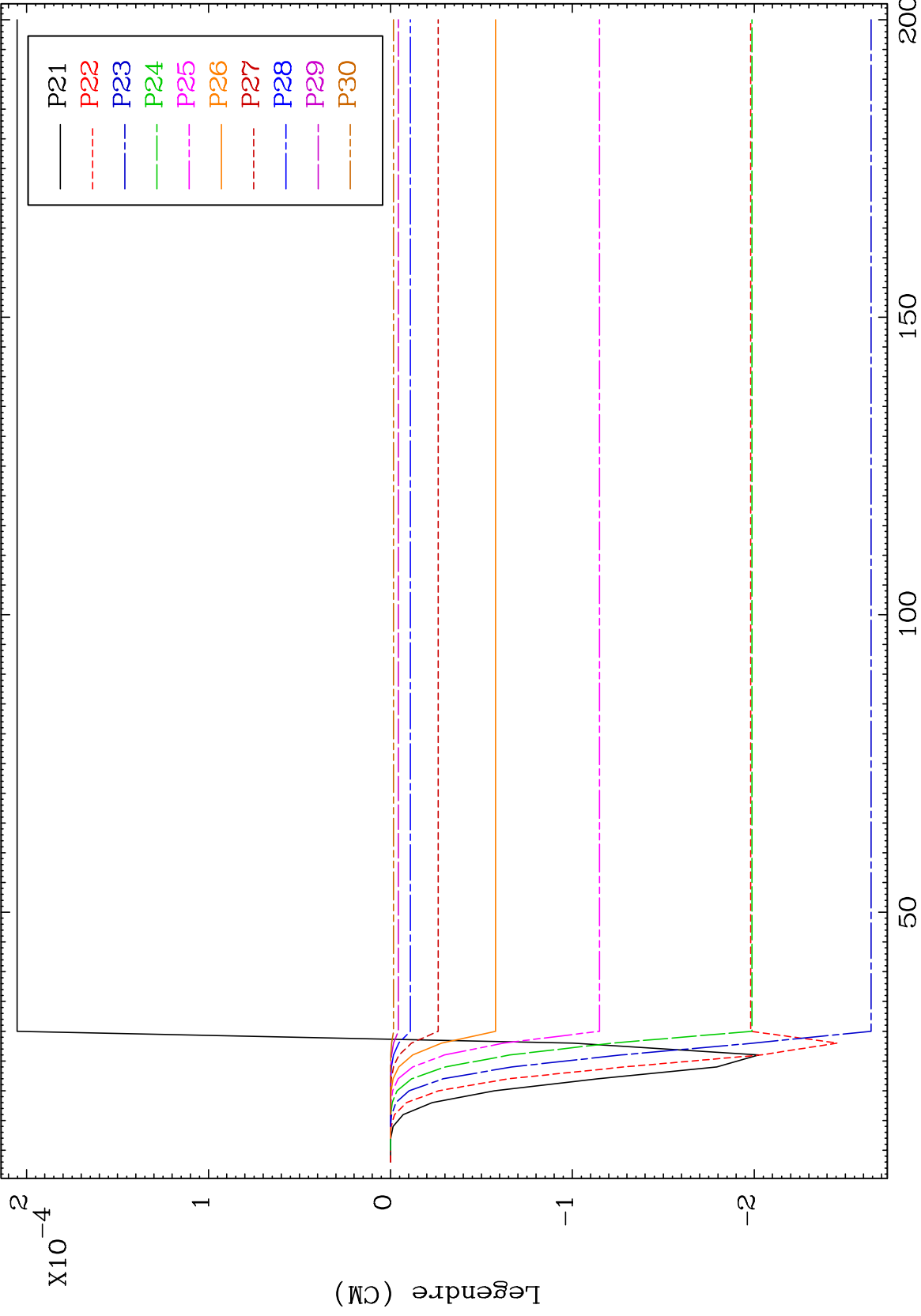
Incident Energy (MeV)

81-T1-195

MAT 8101

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

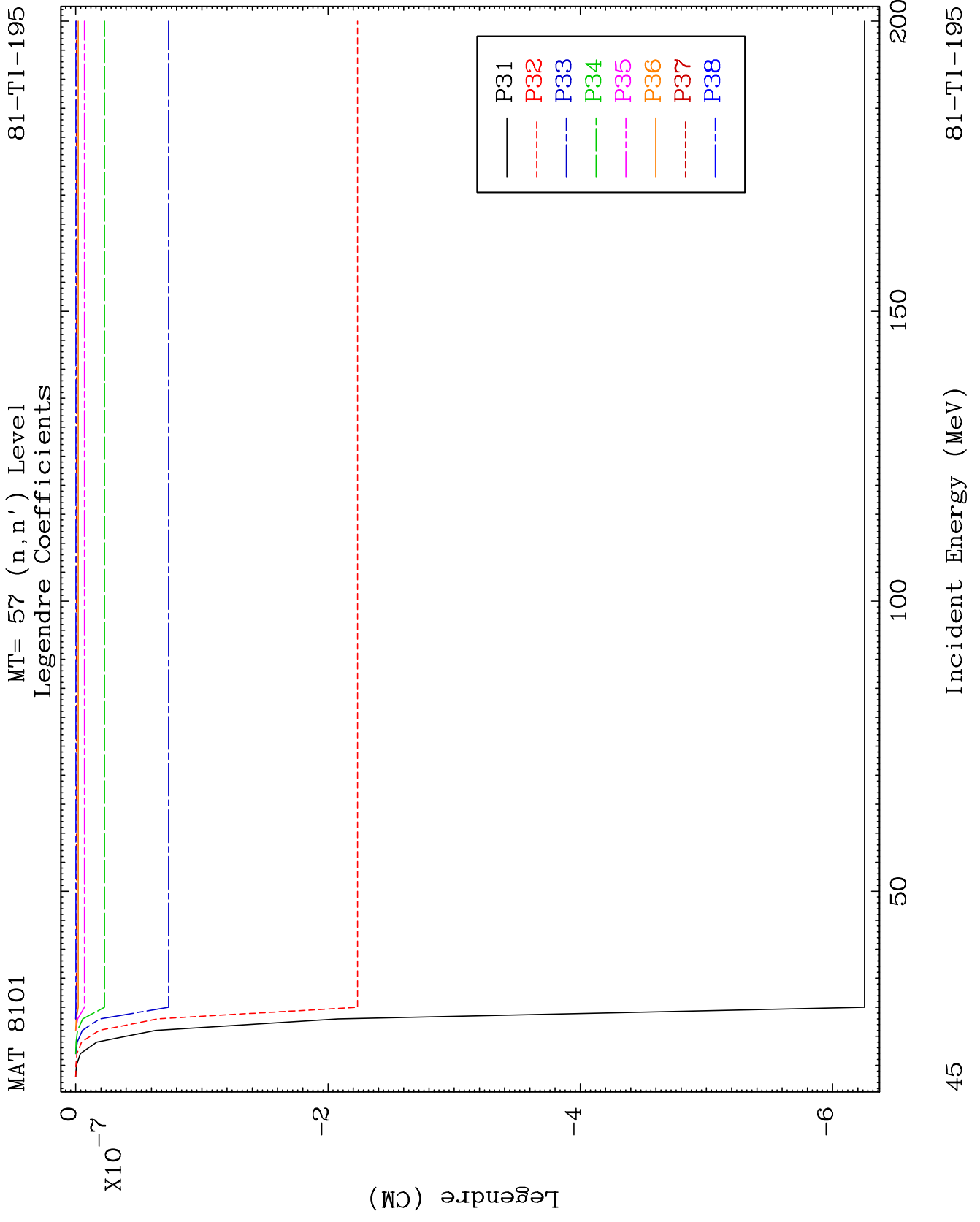
81-T1-195



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Incident Energy (MeV)

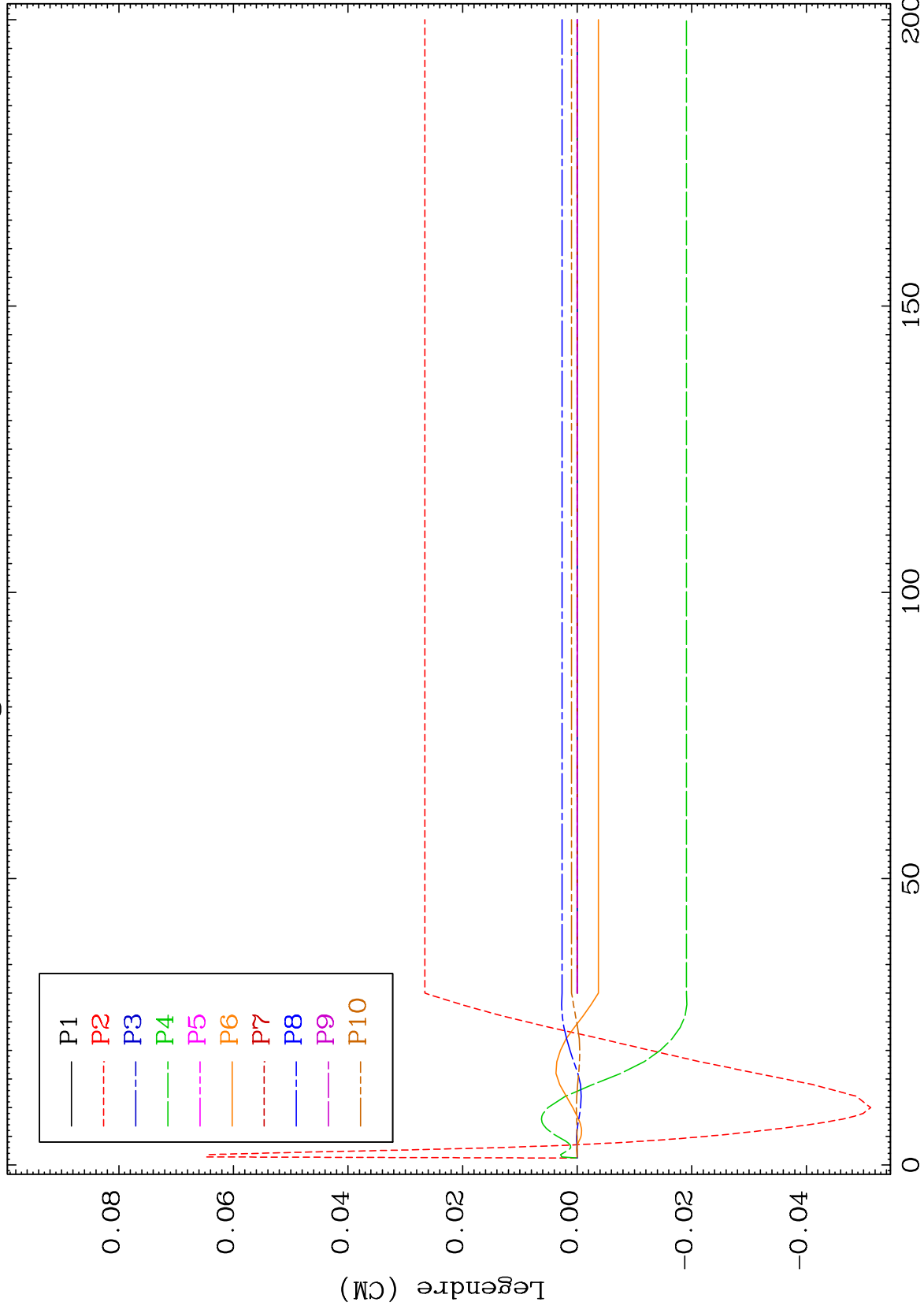
81-T1-195



MAT 8101

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

81-T1-195



46

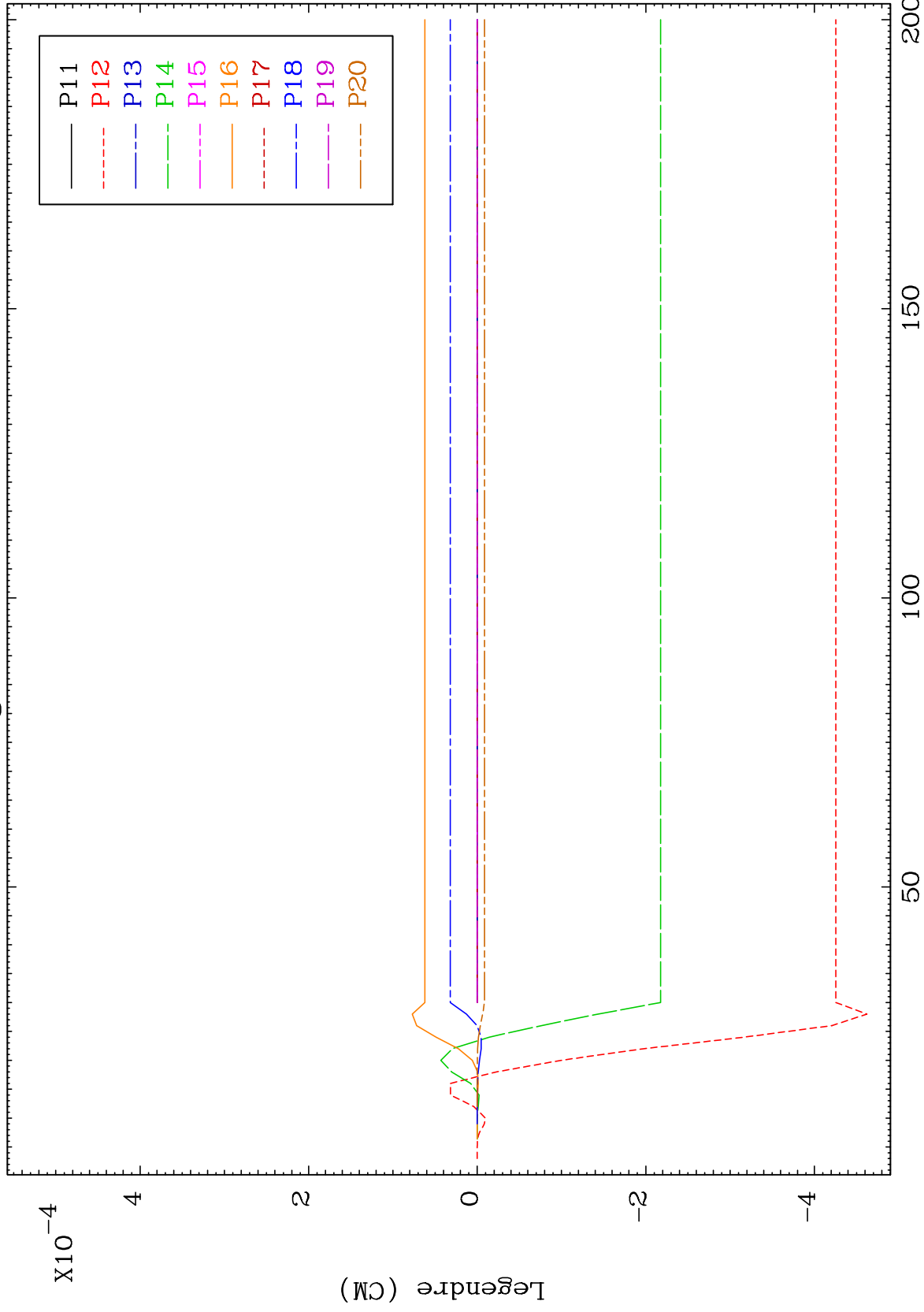
Incident Energy (MeV)

81-T1-195

MAT 8101

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

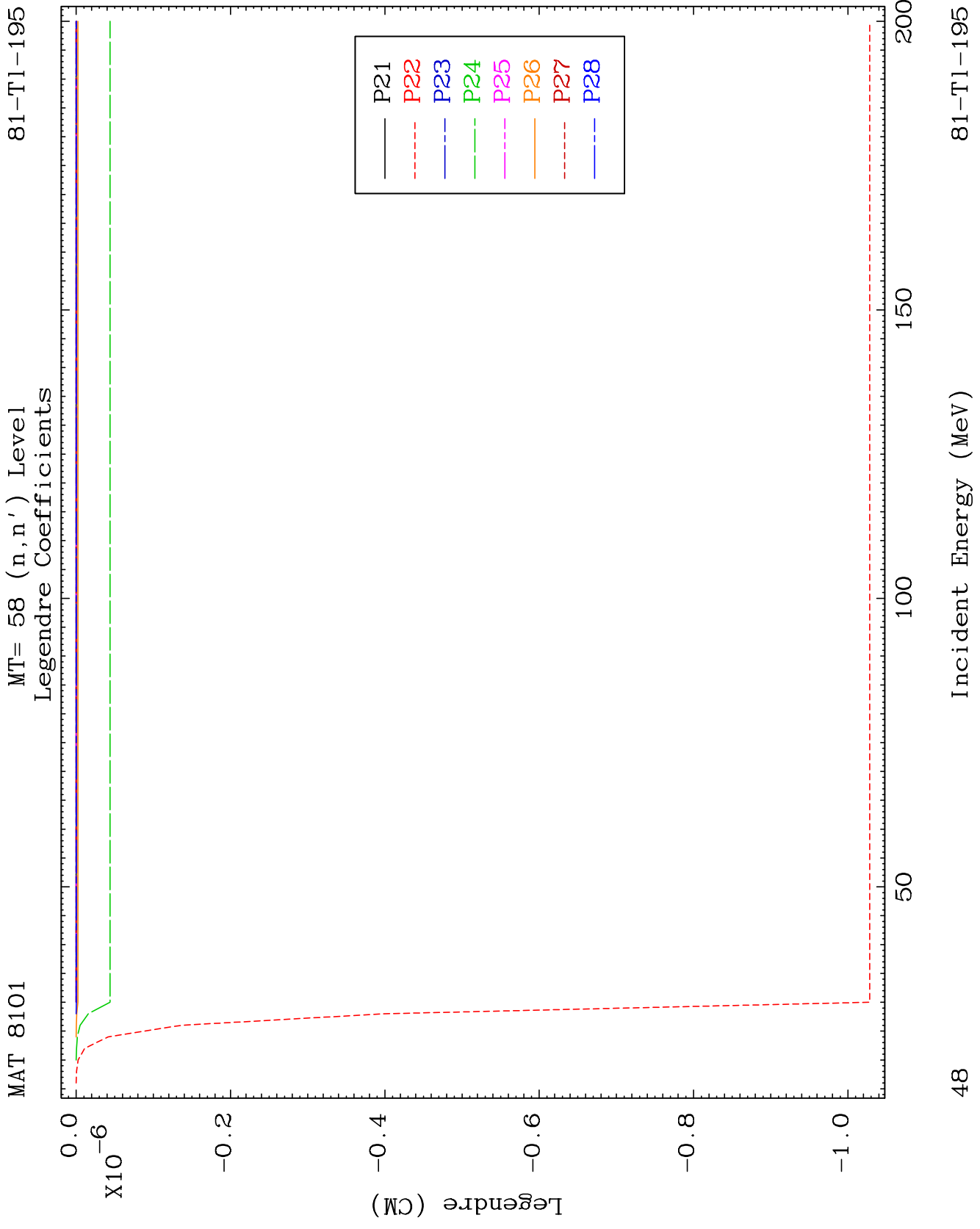
81-T1-195



47

Incident Energy (MeV)

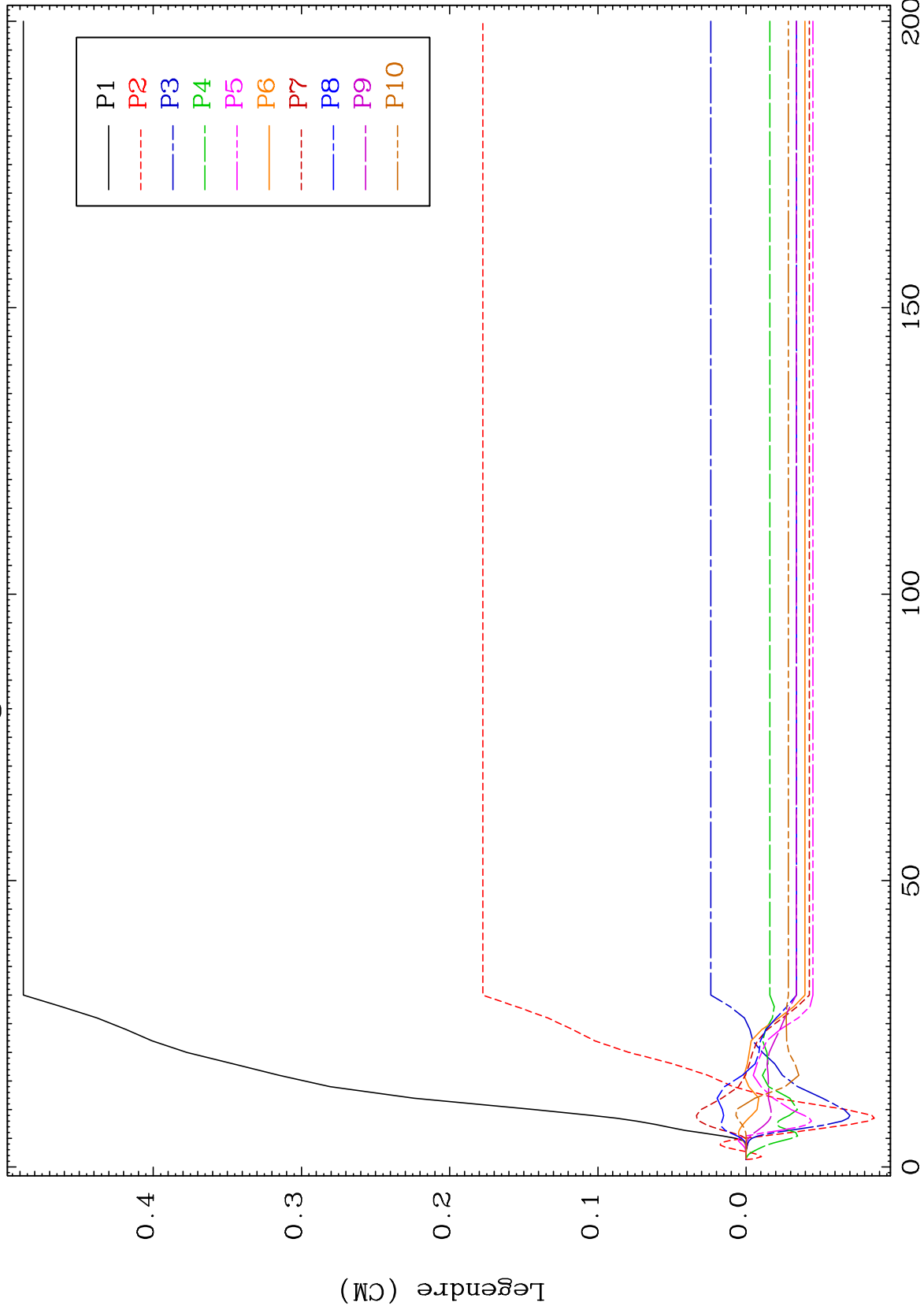
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MAT 8101

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

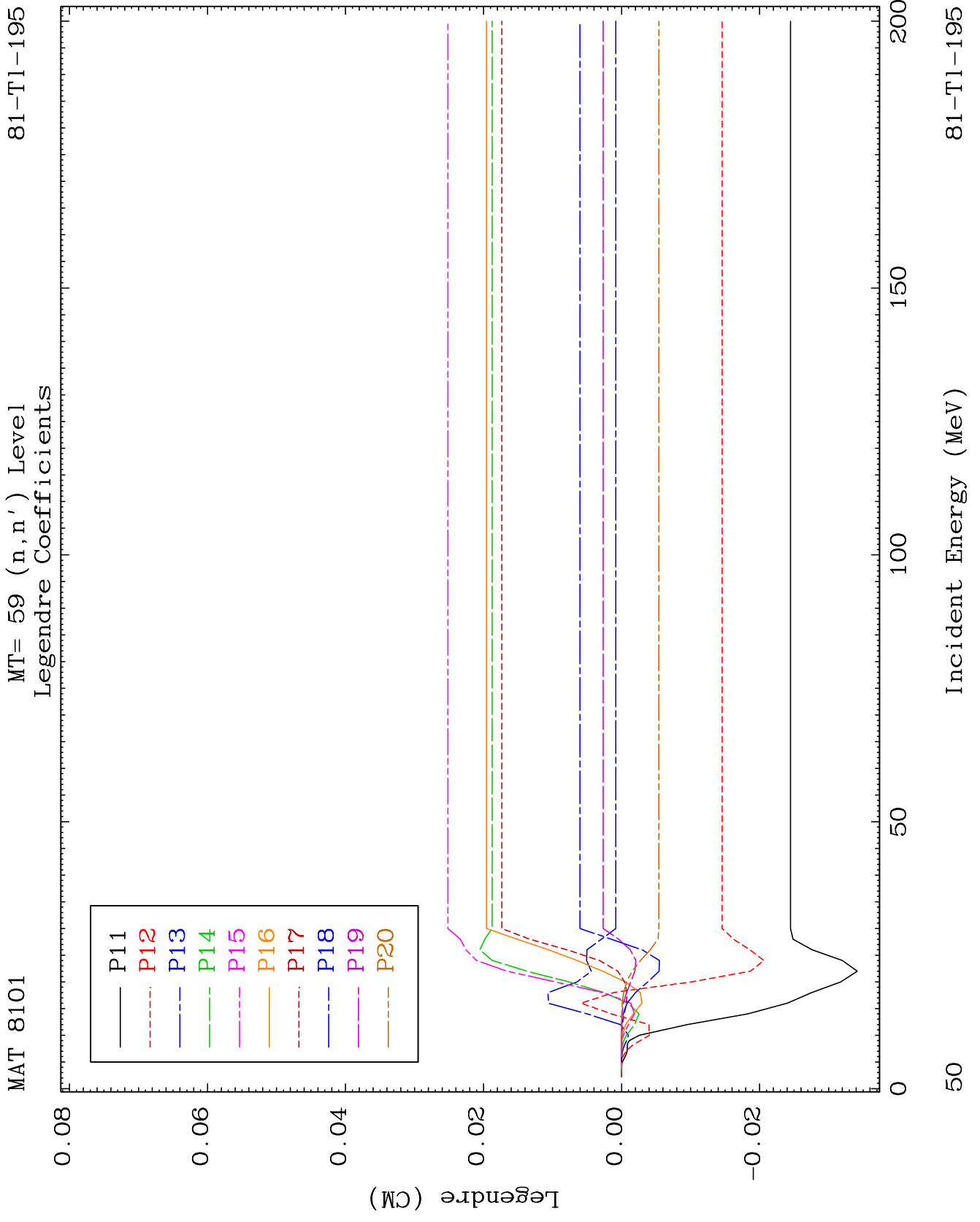
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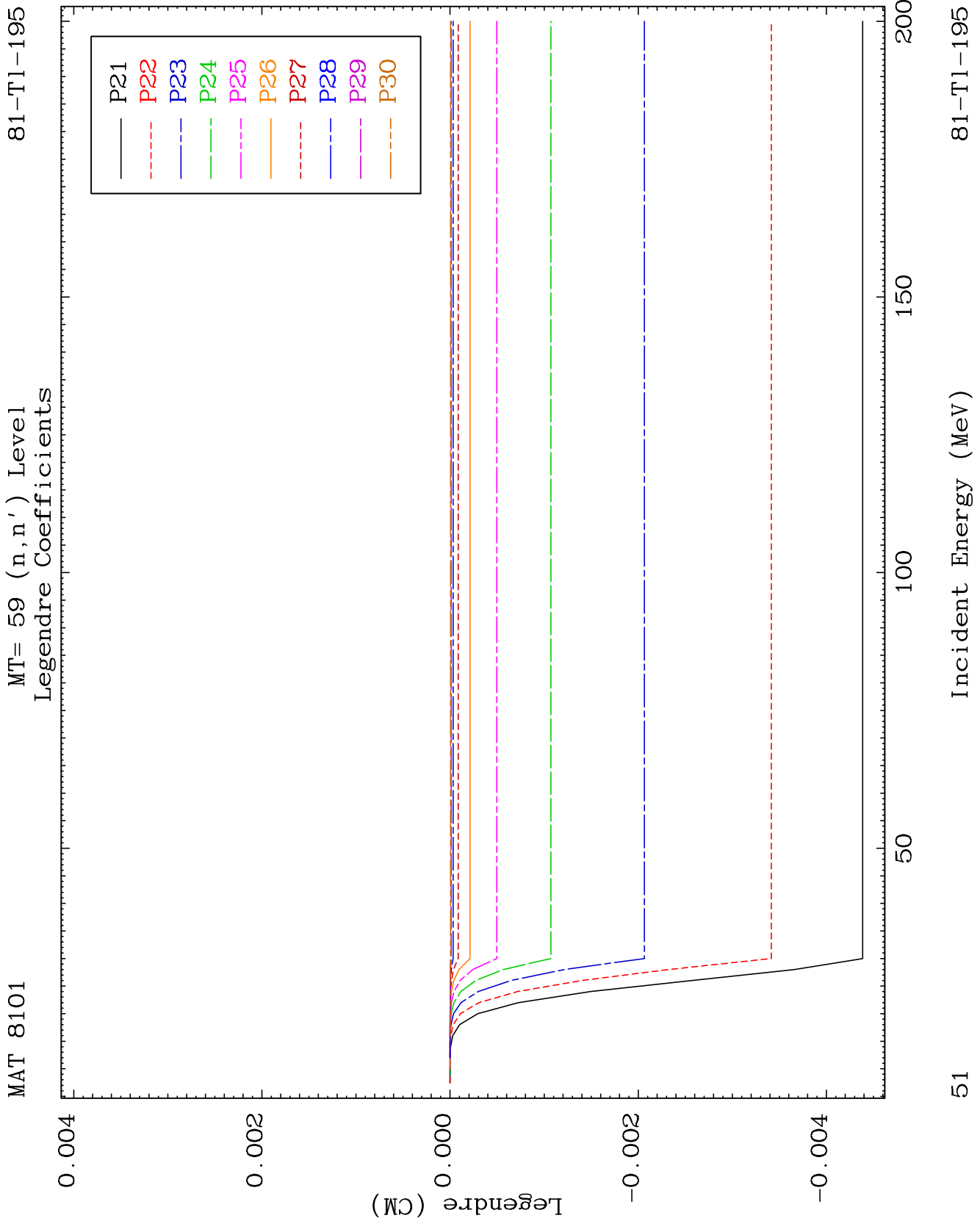


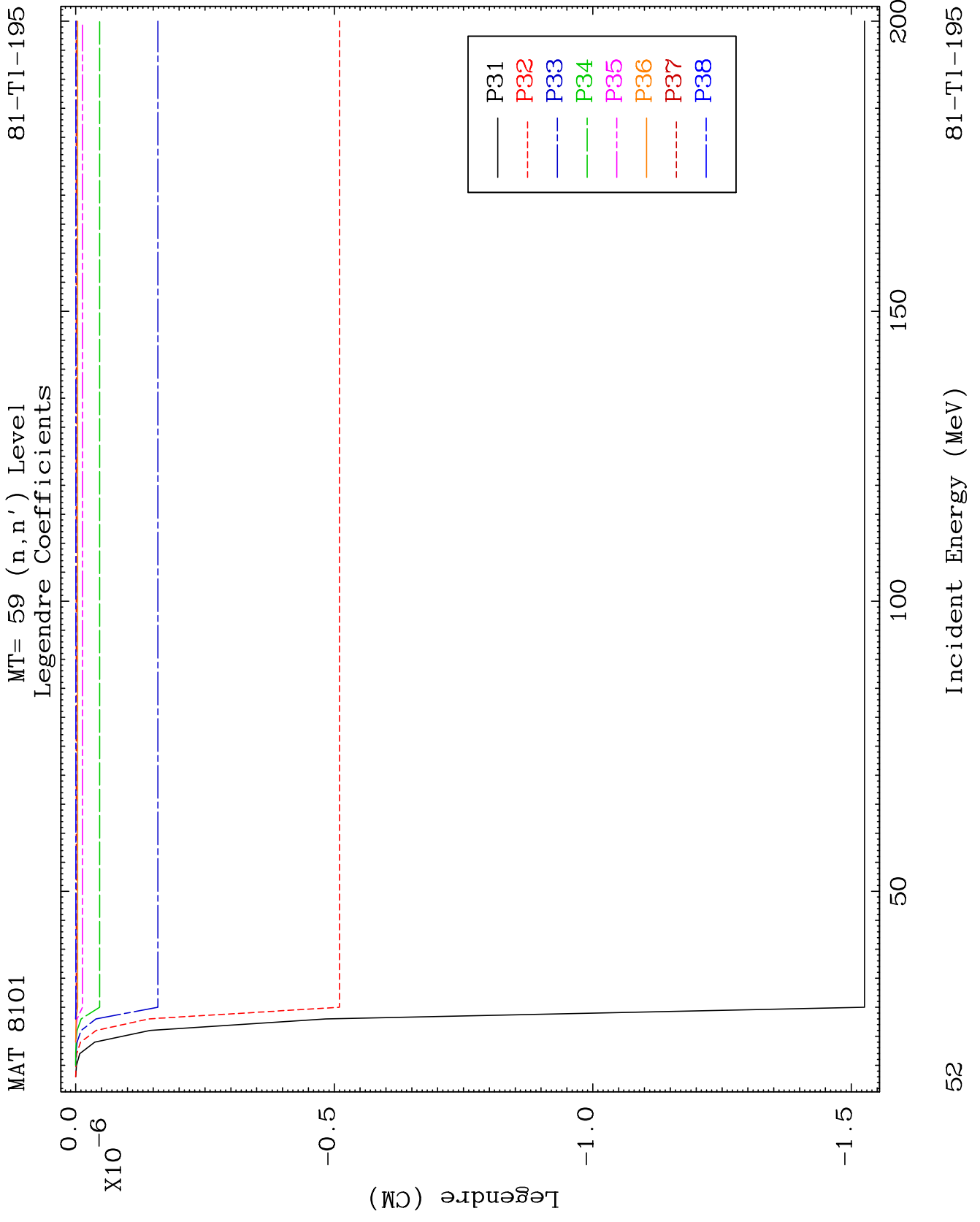
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Incident Energy (MeV)

81-T1-195



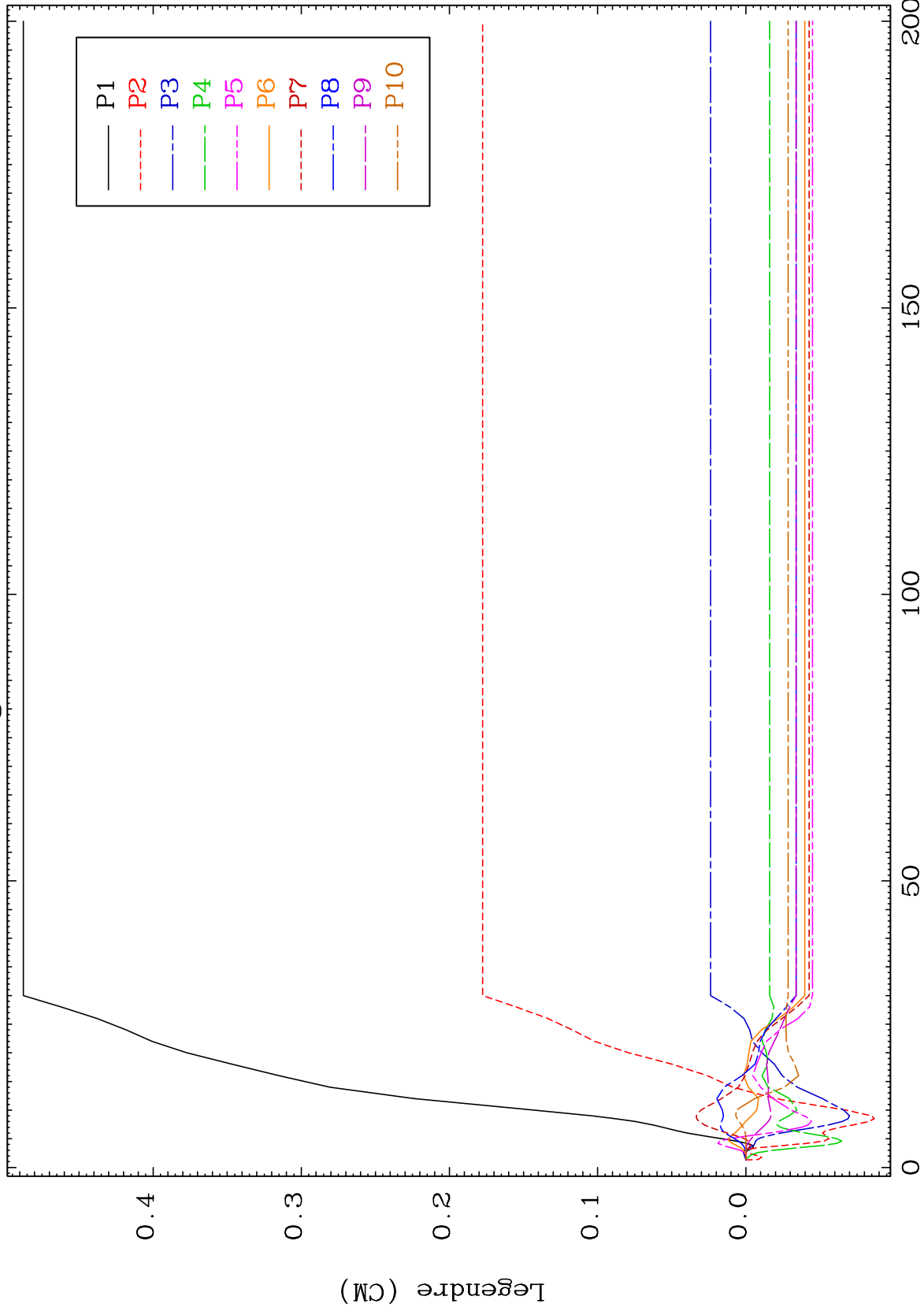




MAT 8101

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

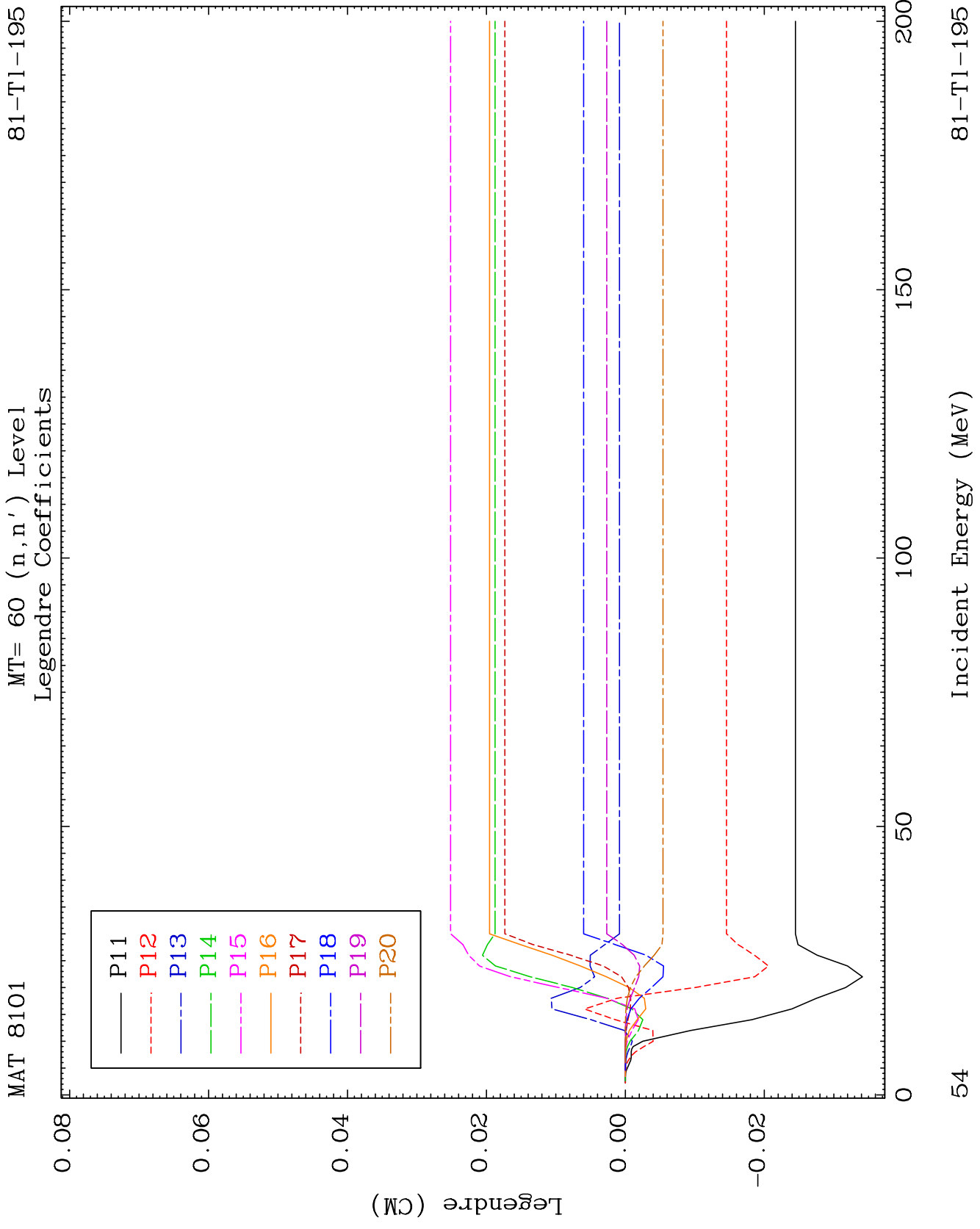
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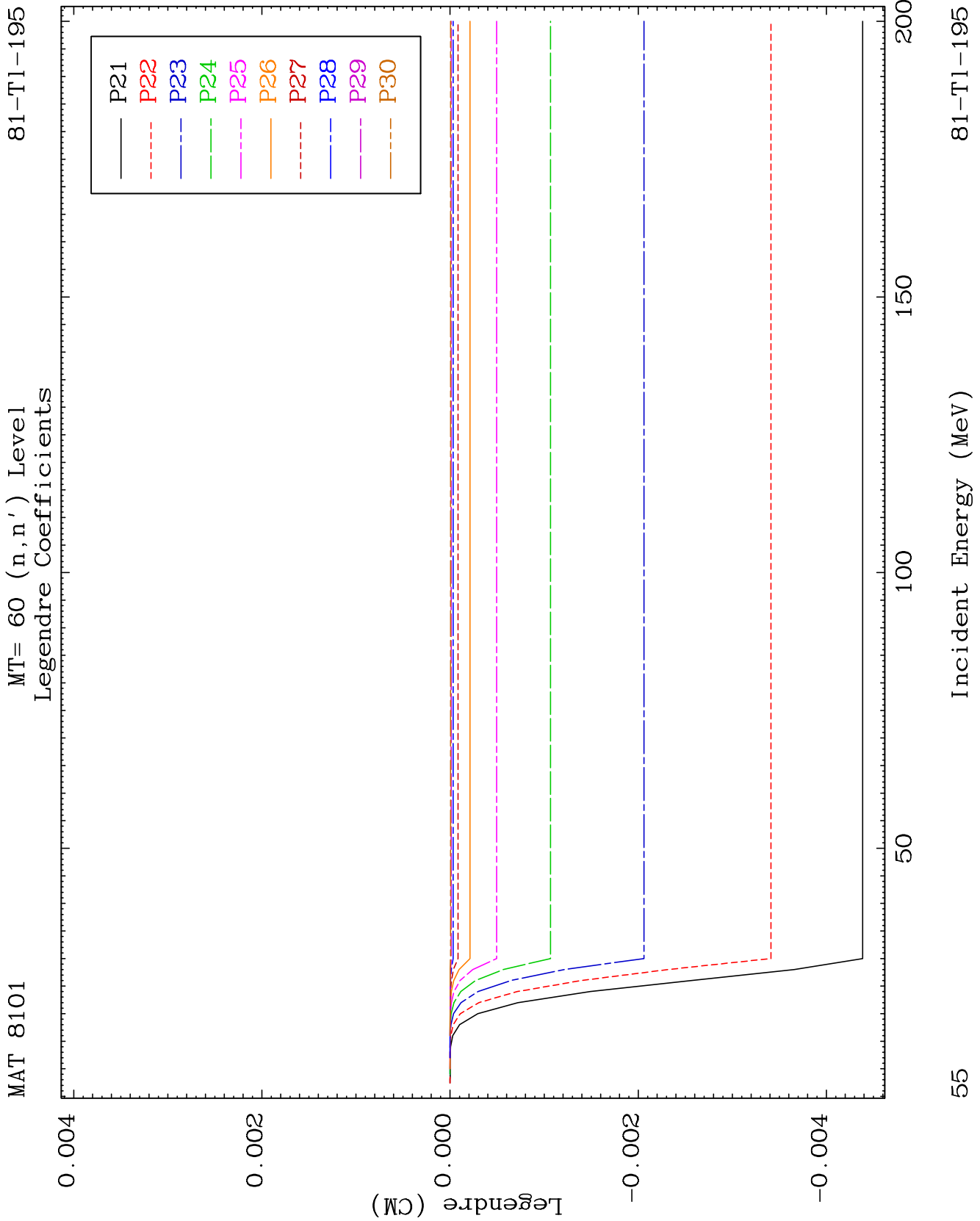


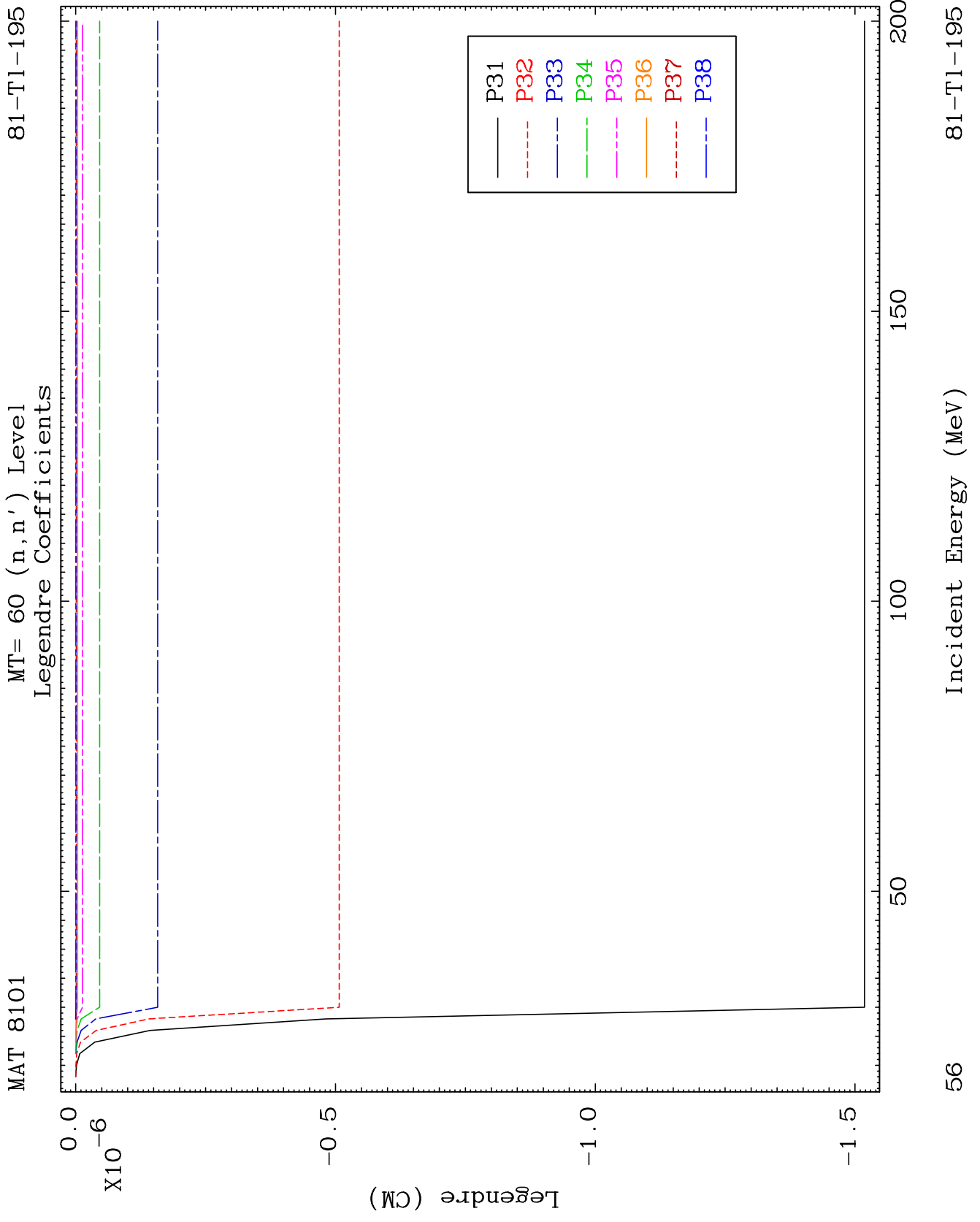
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Incident Energy (MeV)

81-T1-195



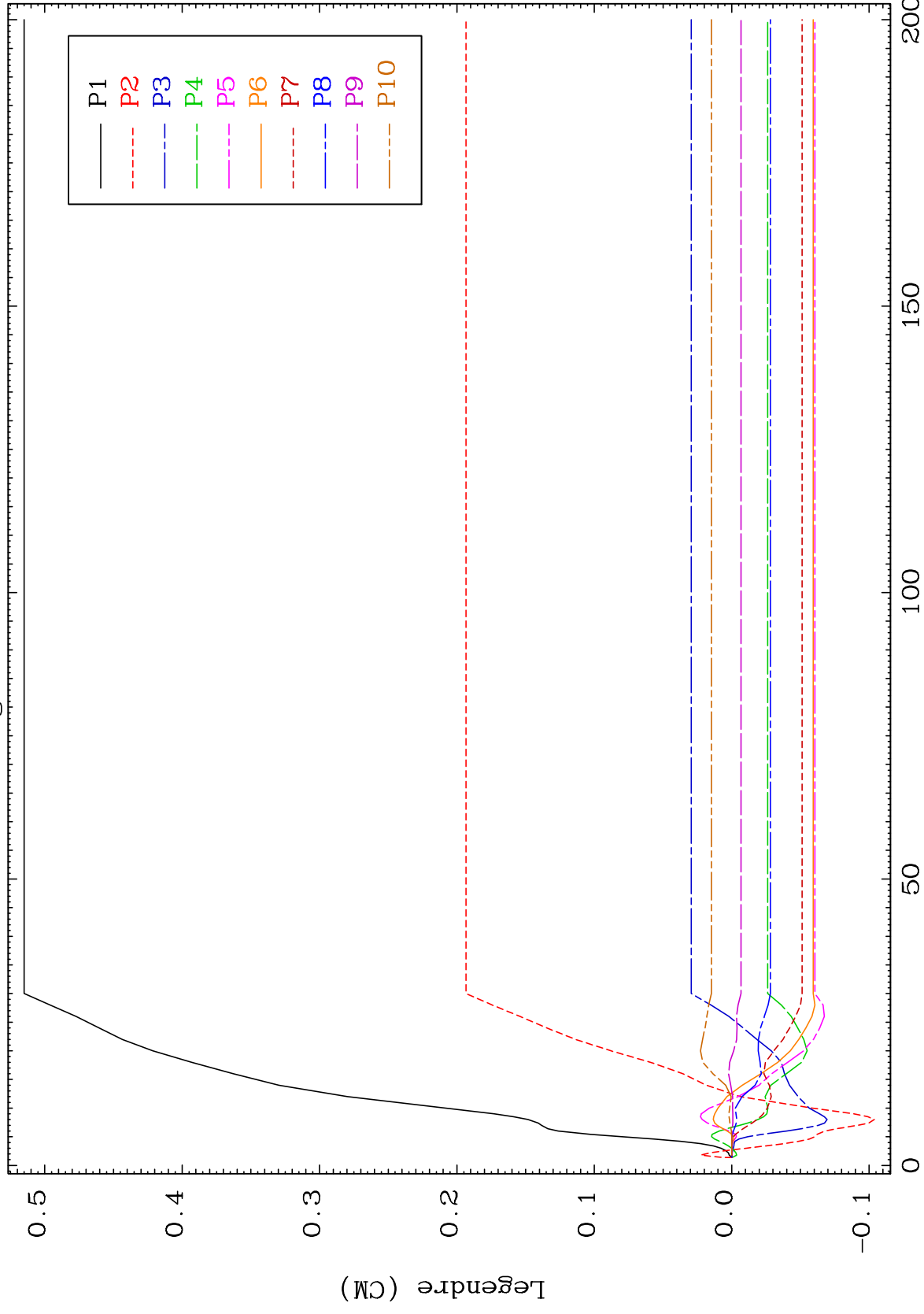




MAT 8101

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

81-T1-195



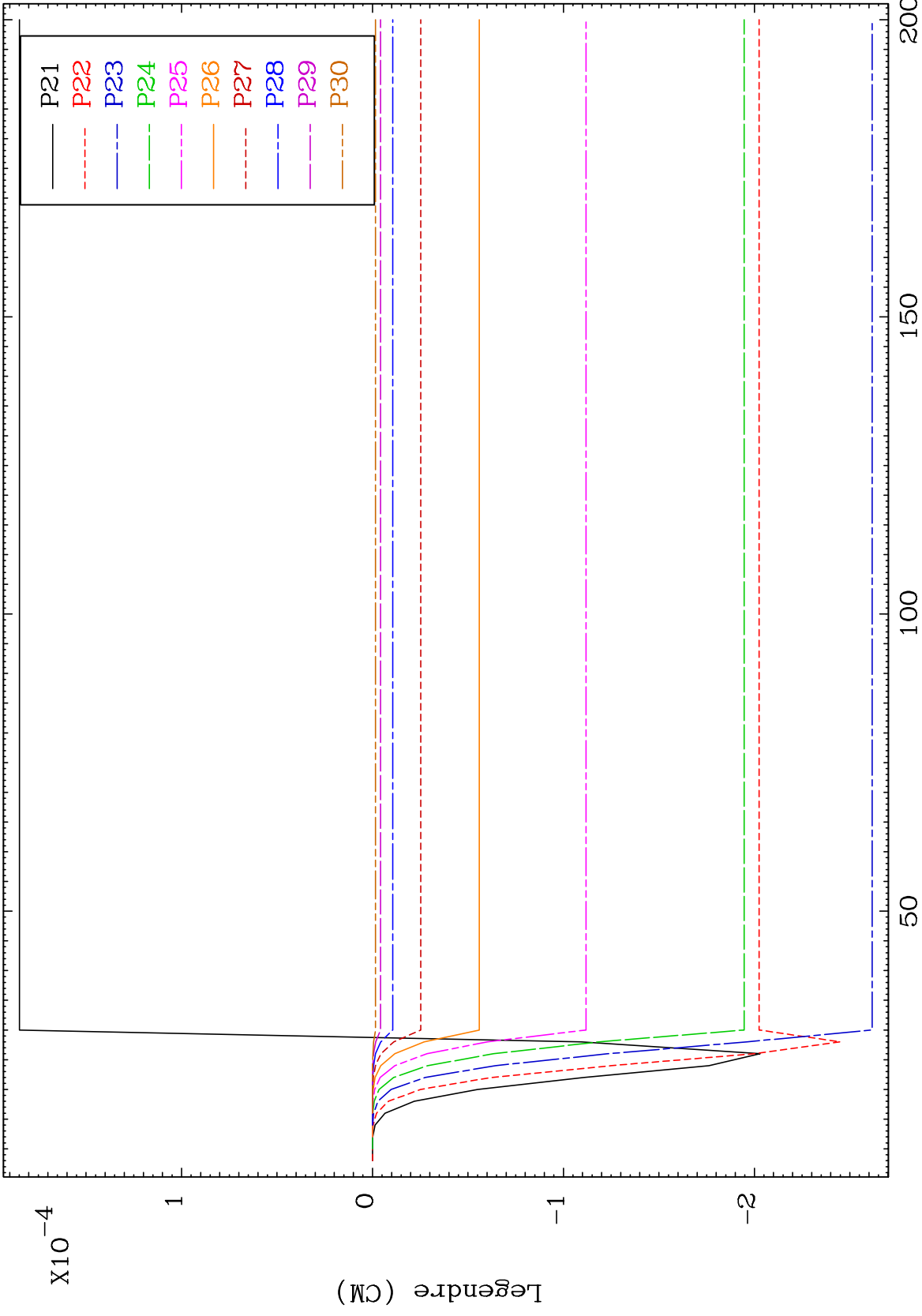
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81-T1-195

MAT 8101

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

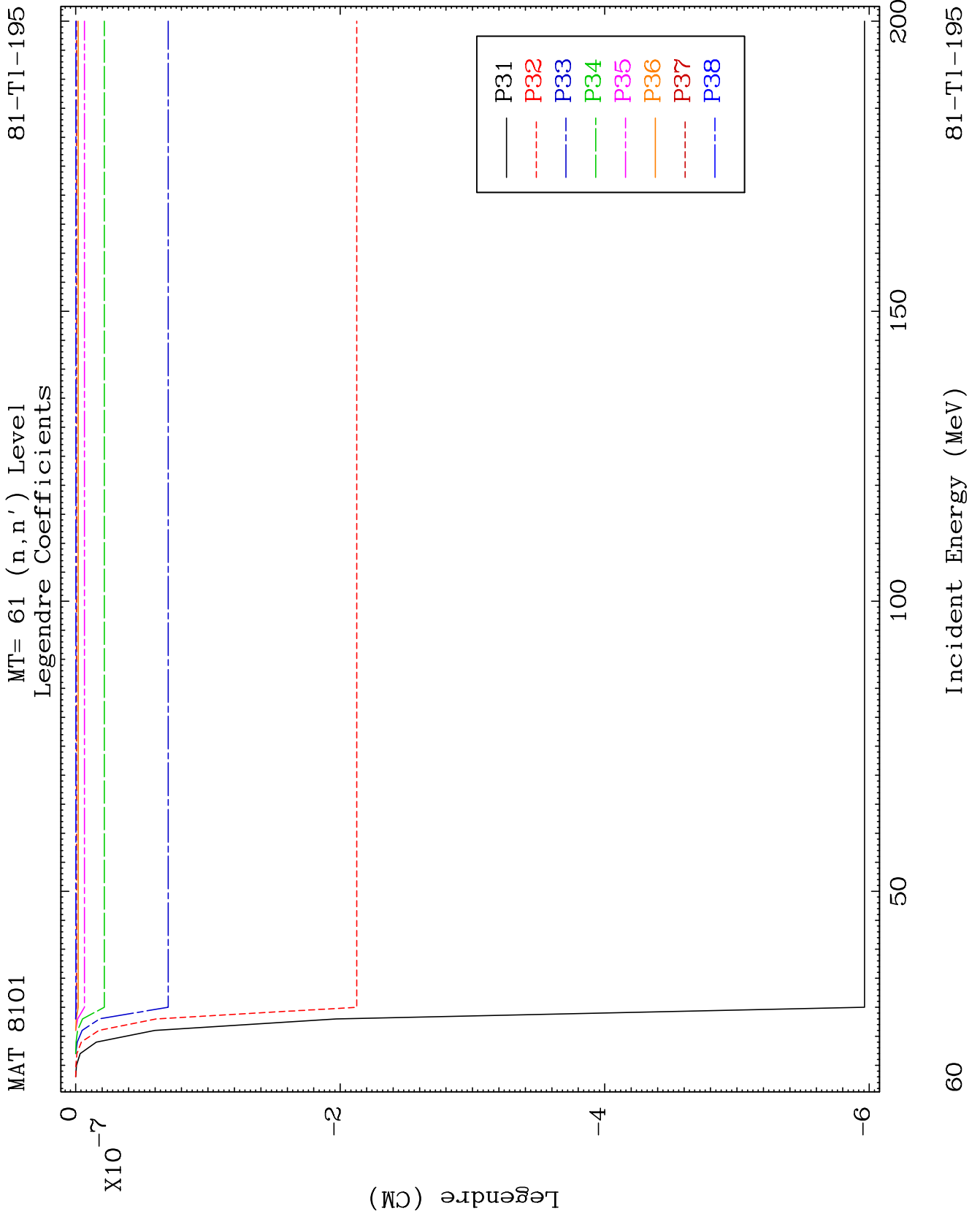
81-T1-195



59

Incident Energy (MeV)

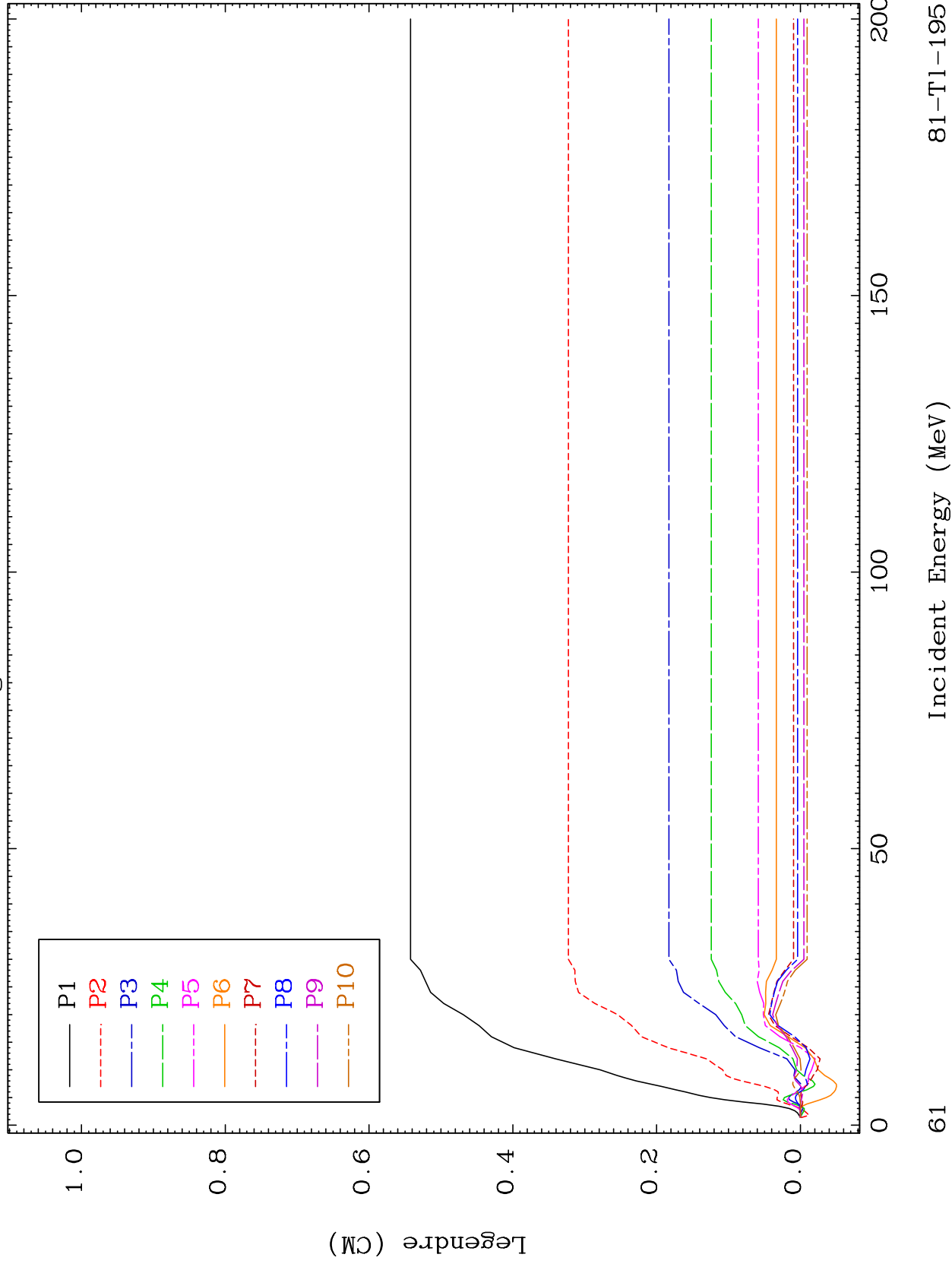
81-T1-195



MAT 8101

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

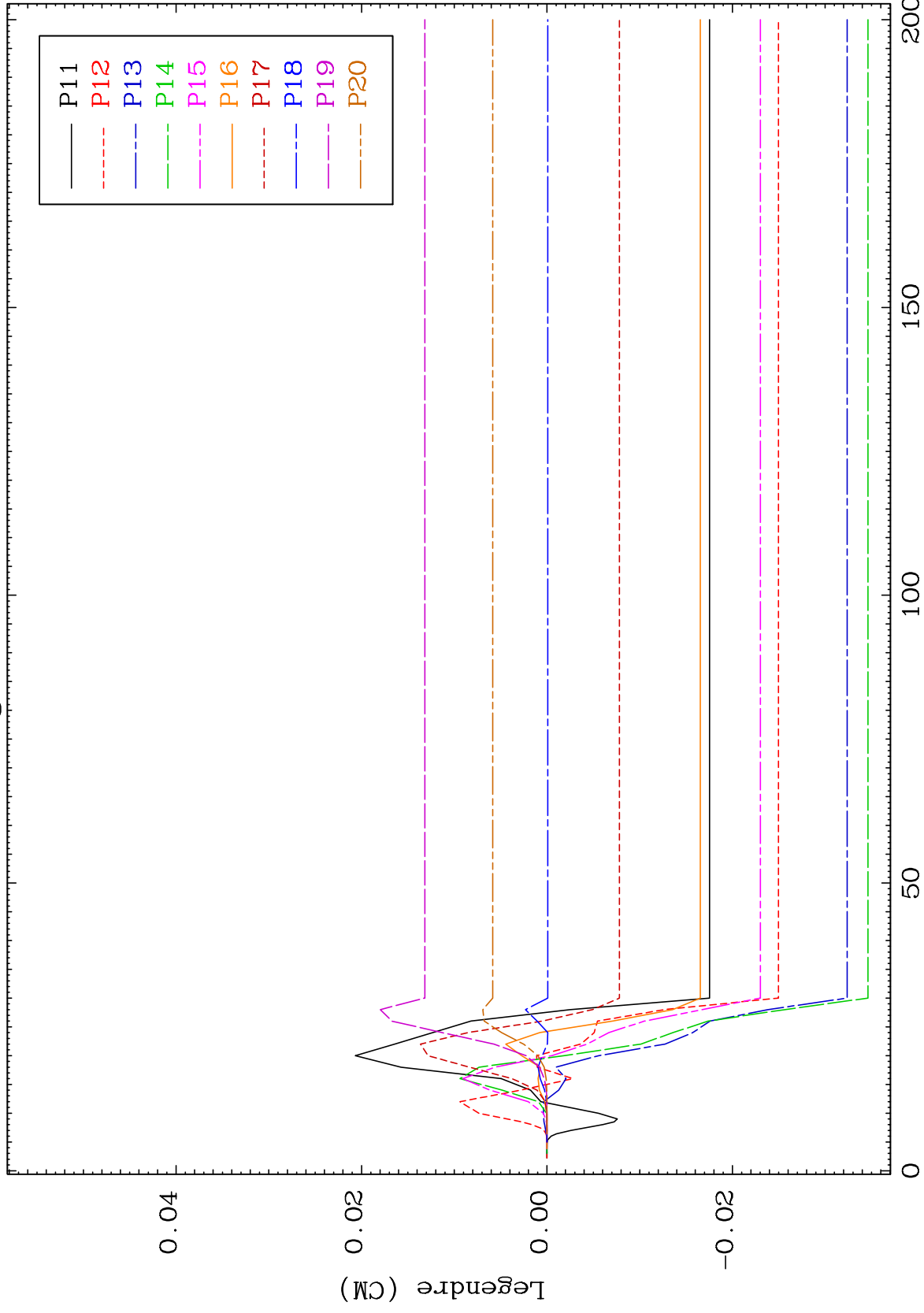
81-T1-195



MAT 8101

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

81-T1-195



62

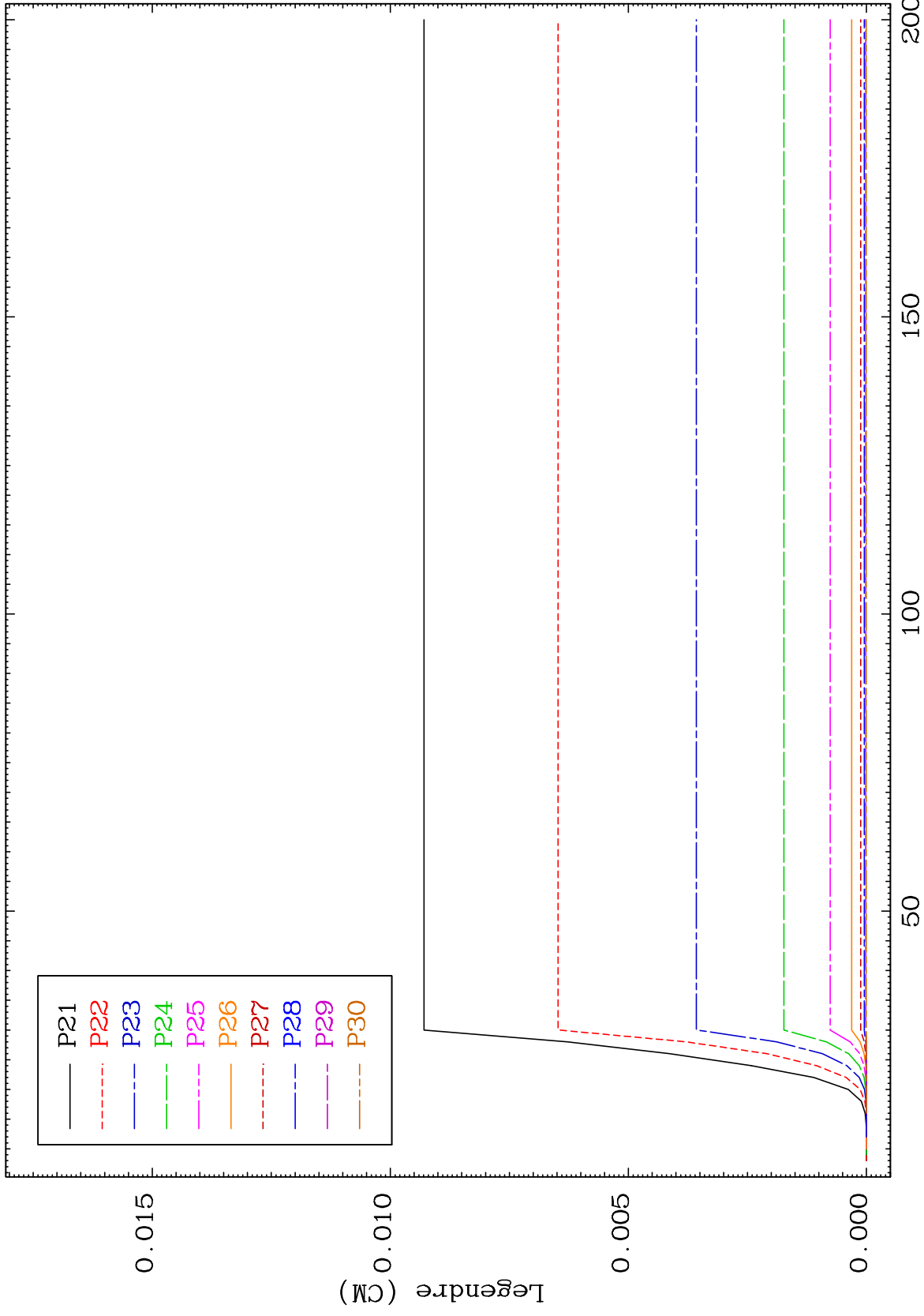
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-Tl-195



63

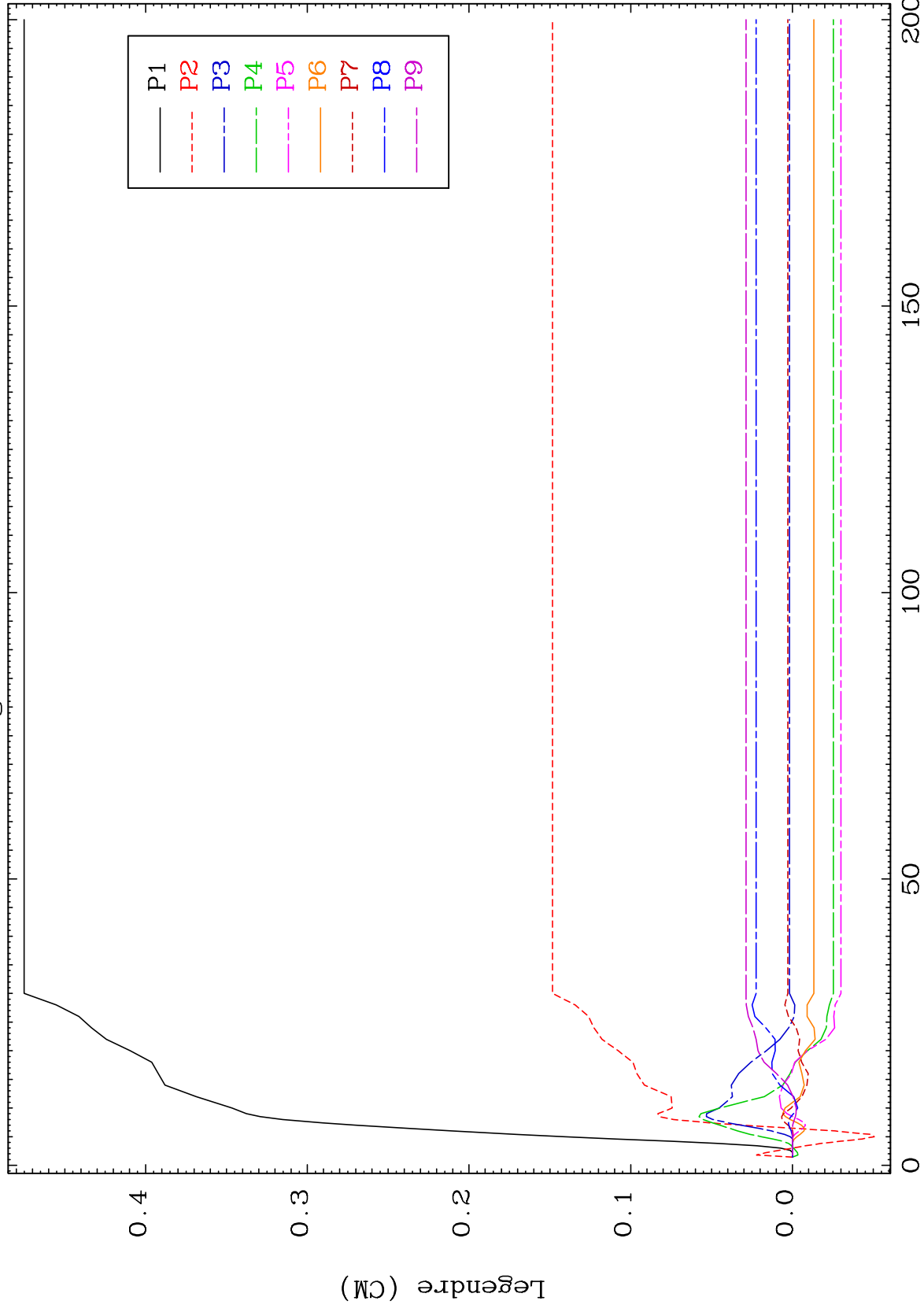
Incident Energy (MeV)

81-Tl-195

MAT 8101

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

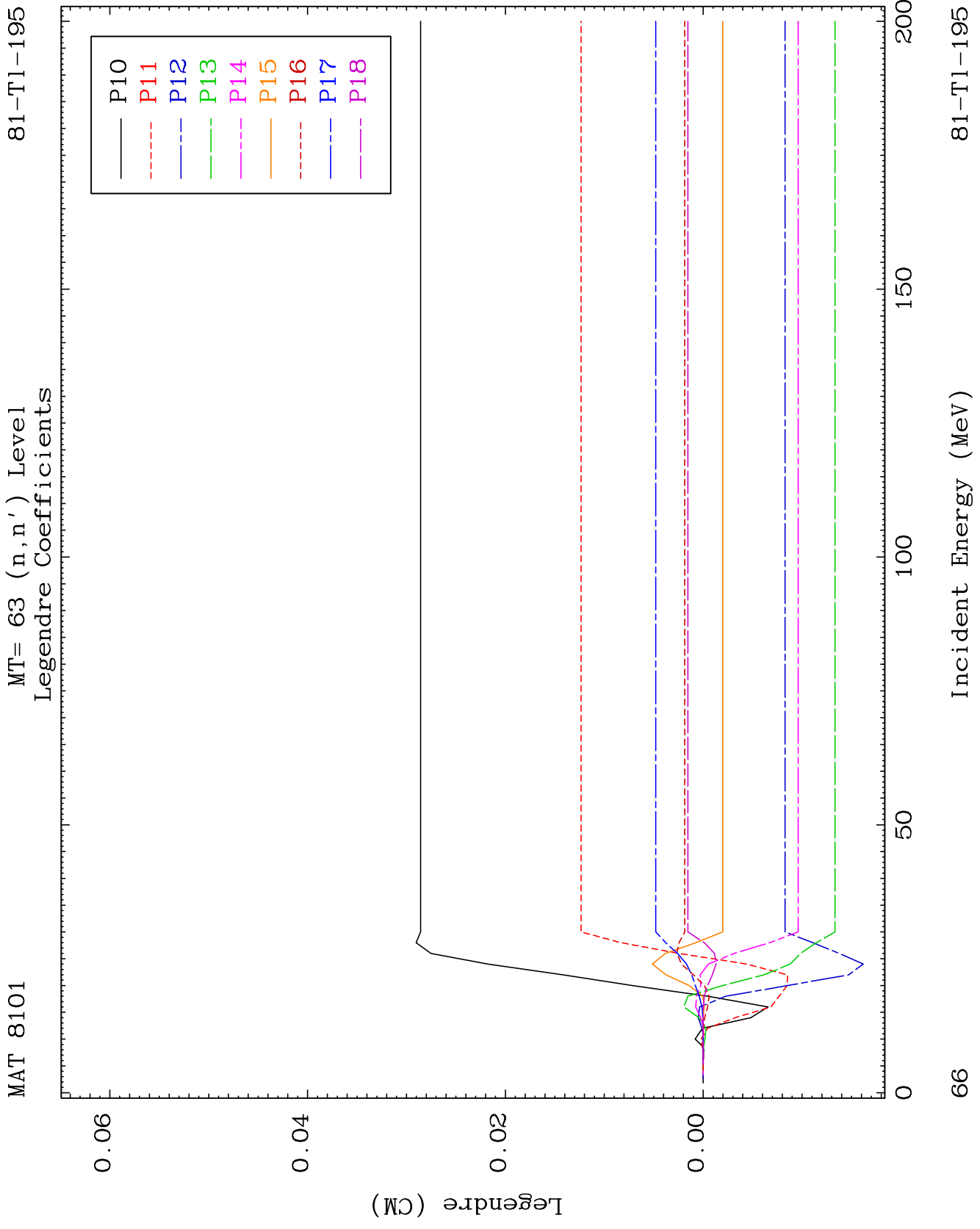
81-T1-195



65

Incident Energy (MeV)

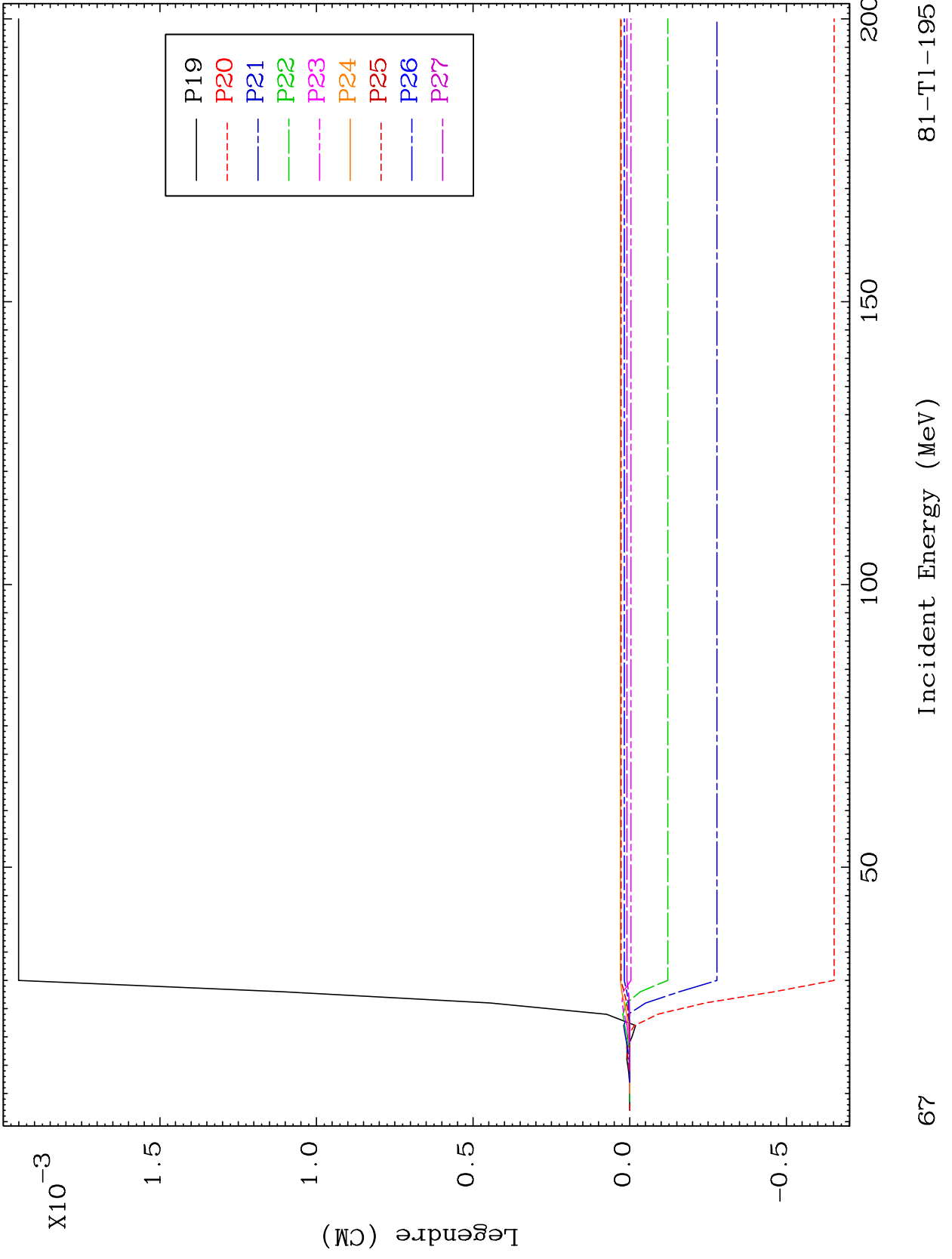
81-T1-195



MAT 8101

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

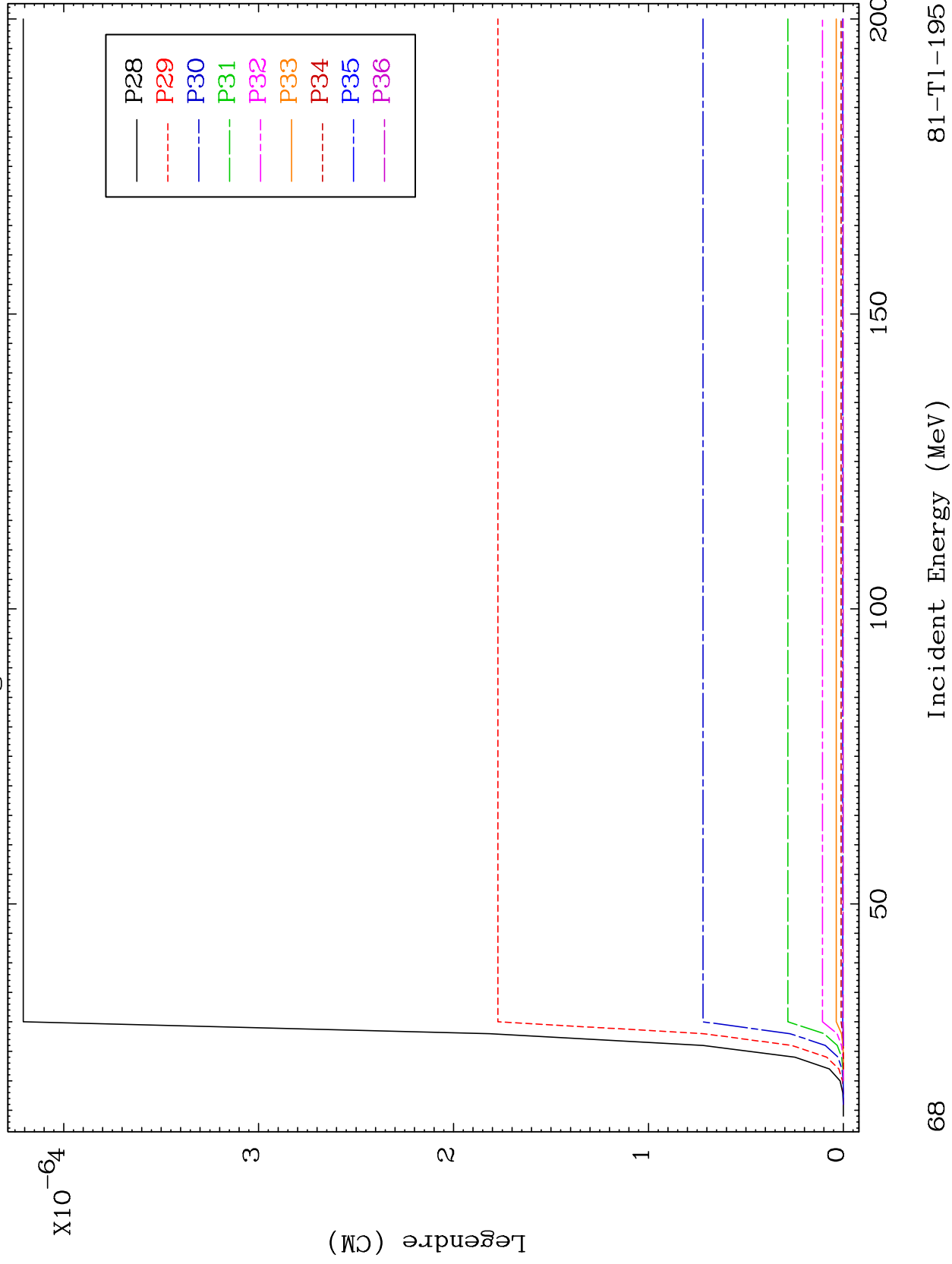
81-T1-195



MAT 8101

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

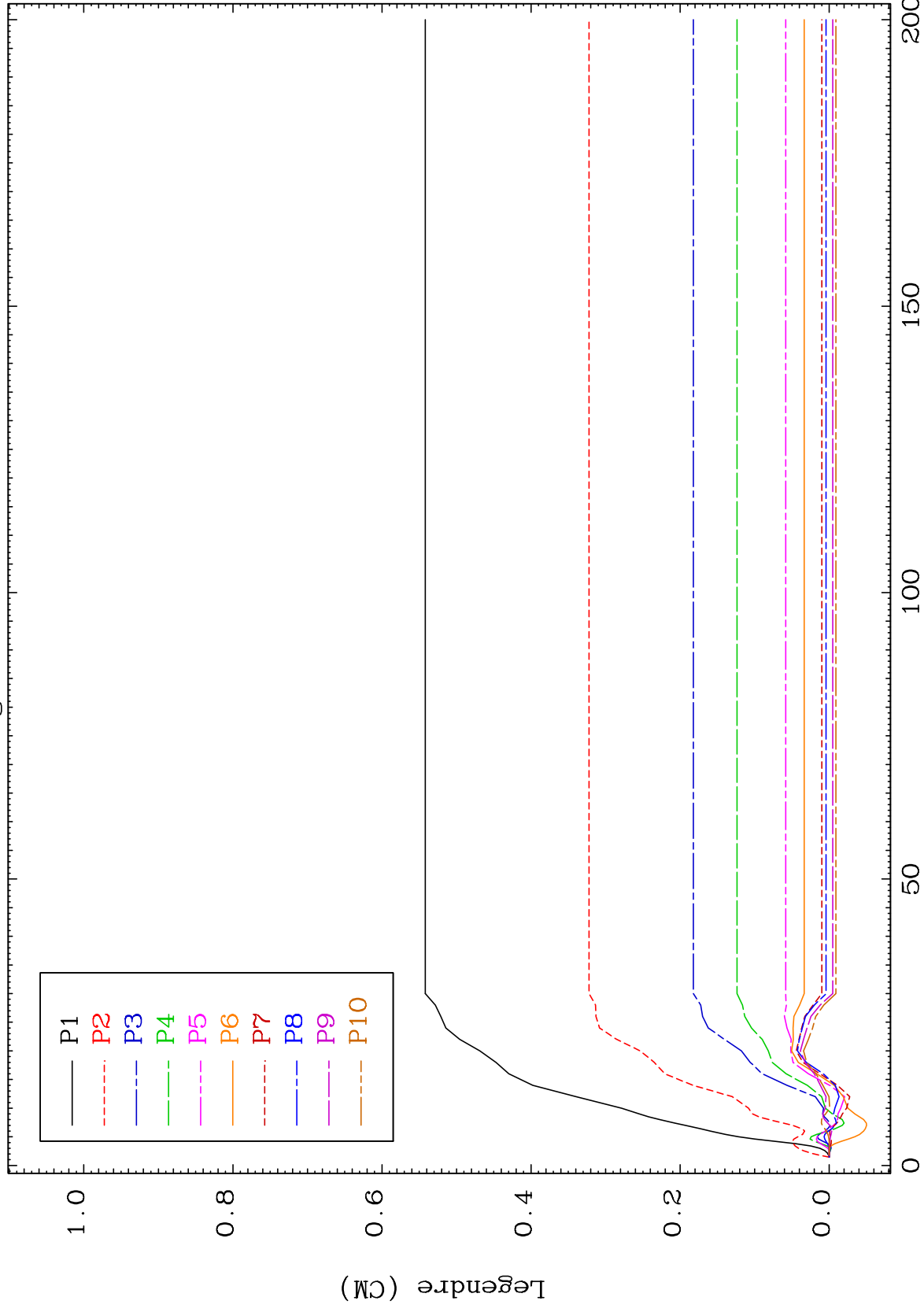
81-Tl-195



MAT 8101

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

81-T1-195



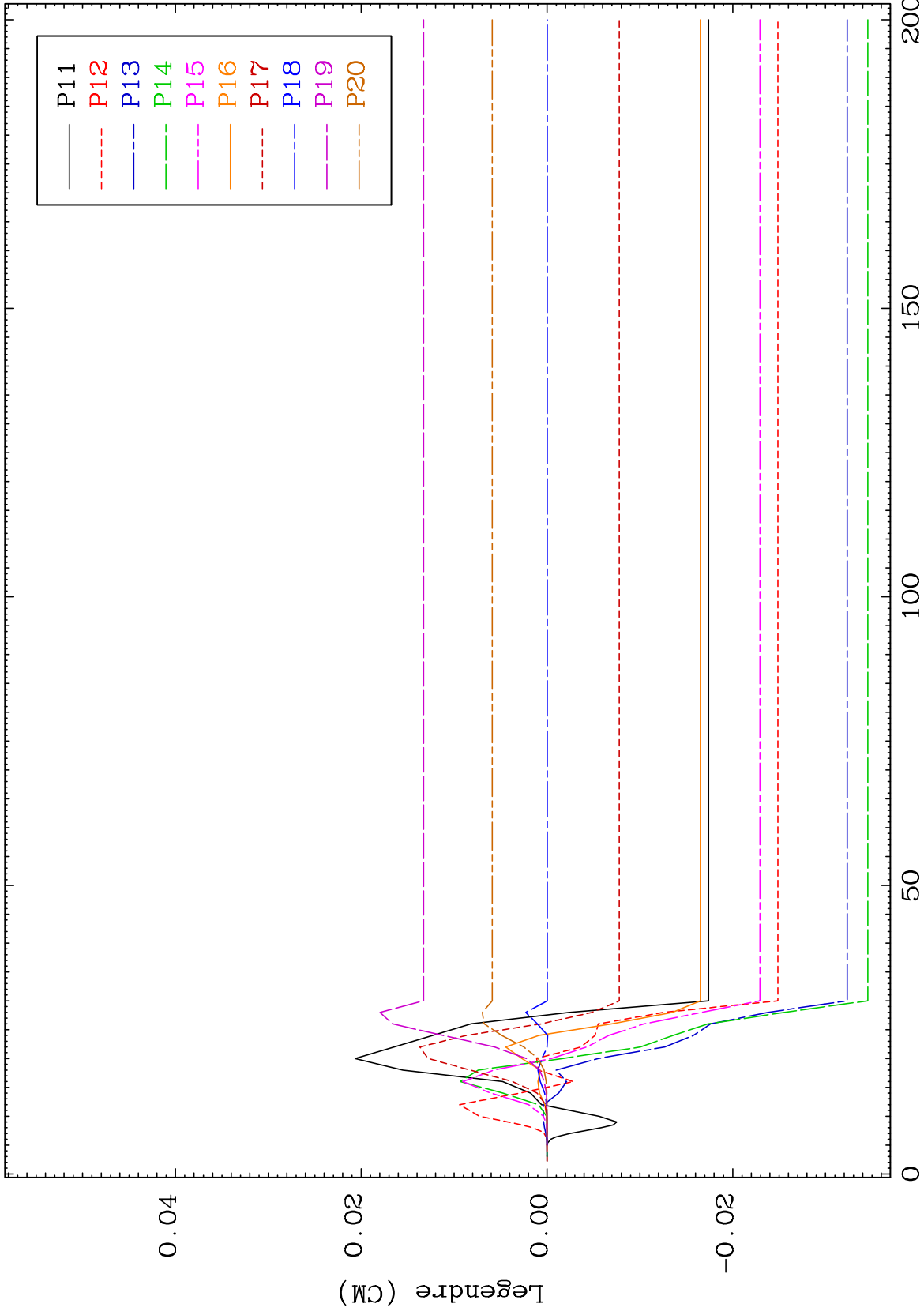
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81-T1-195

MAT 8101

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

81-T1-195



70

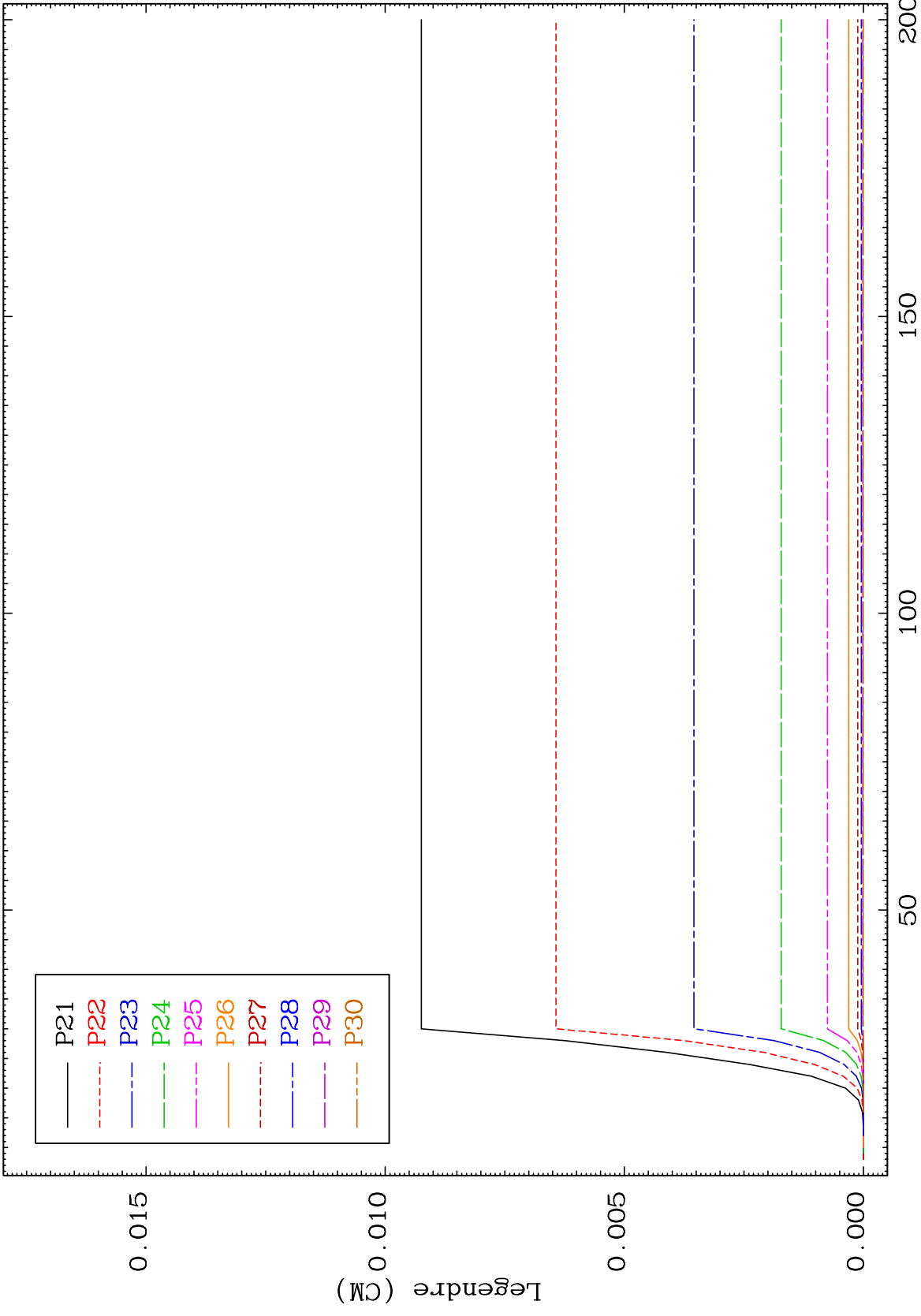
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



71

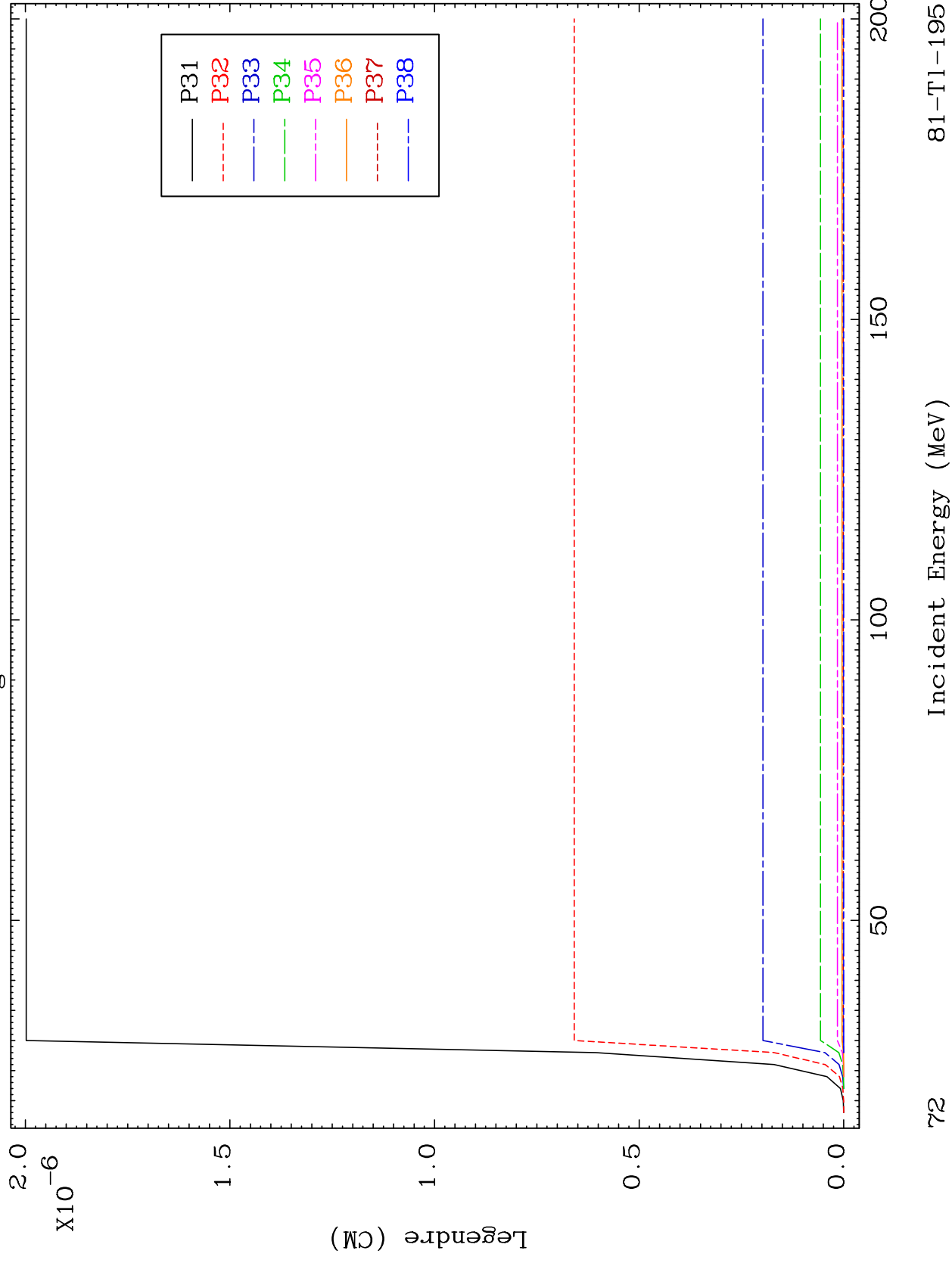
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



72

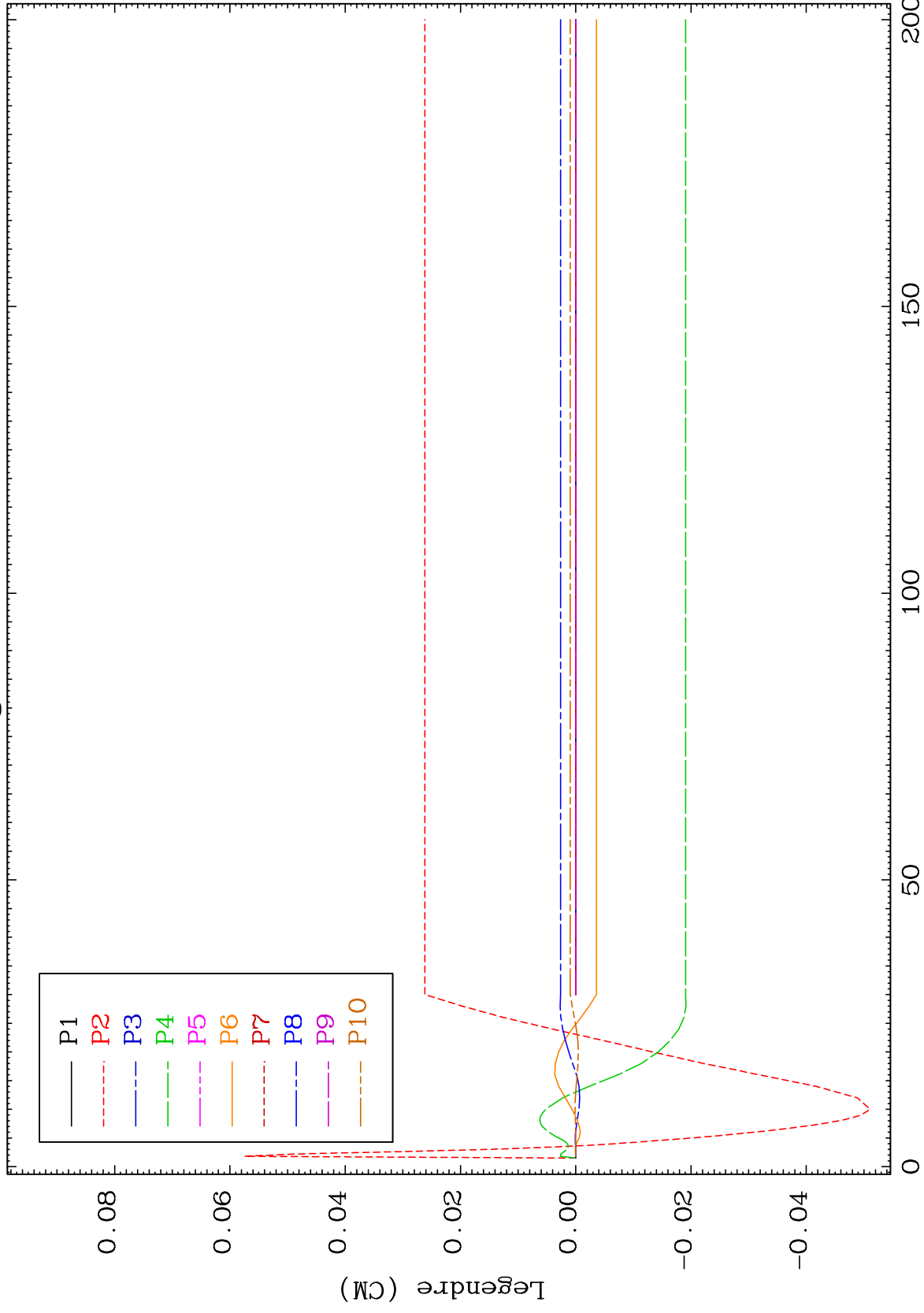
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



73

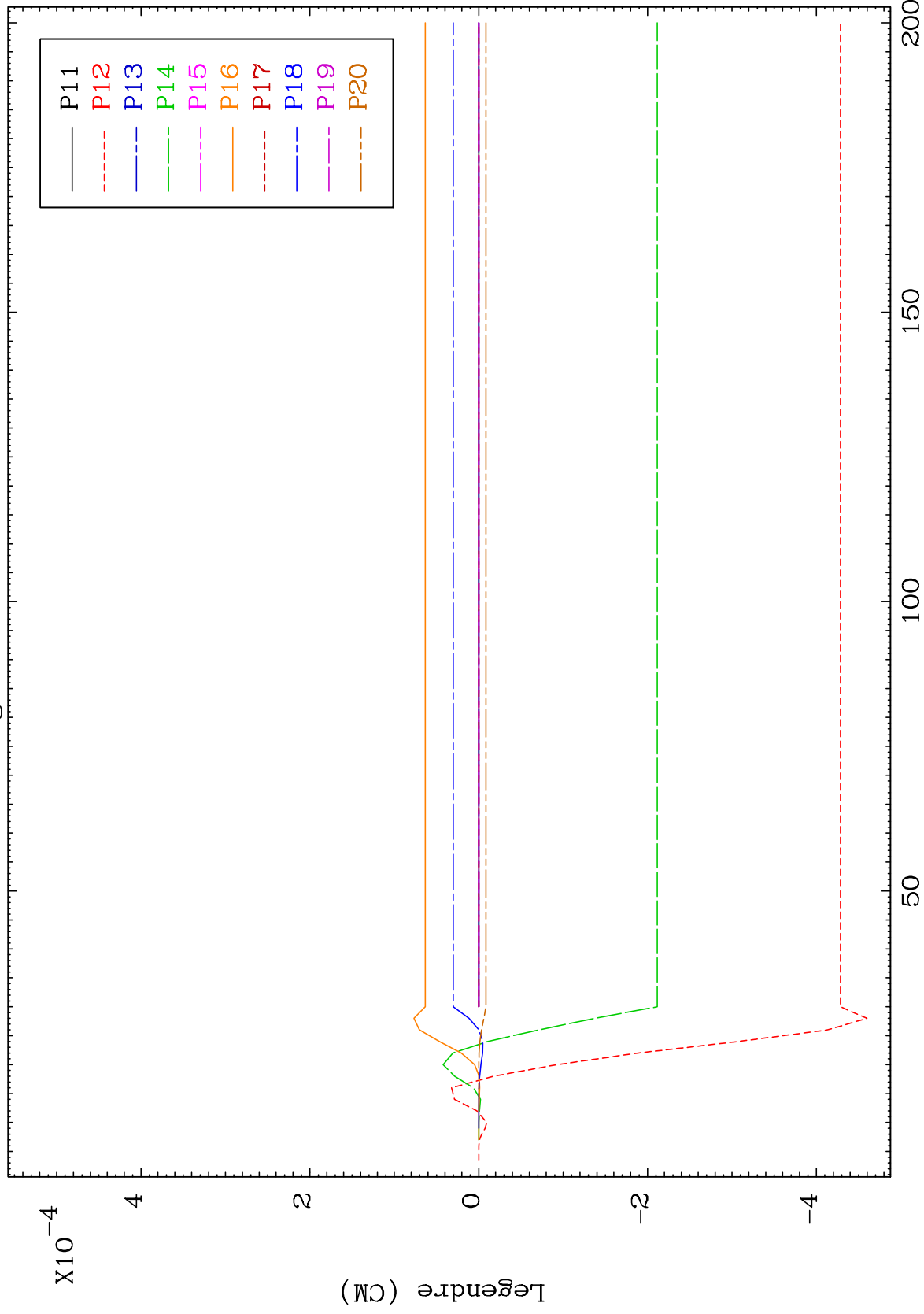
Incident Energy (MeV)

81-T1-195

MAT 8101

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

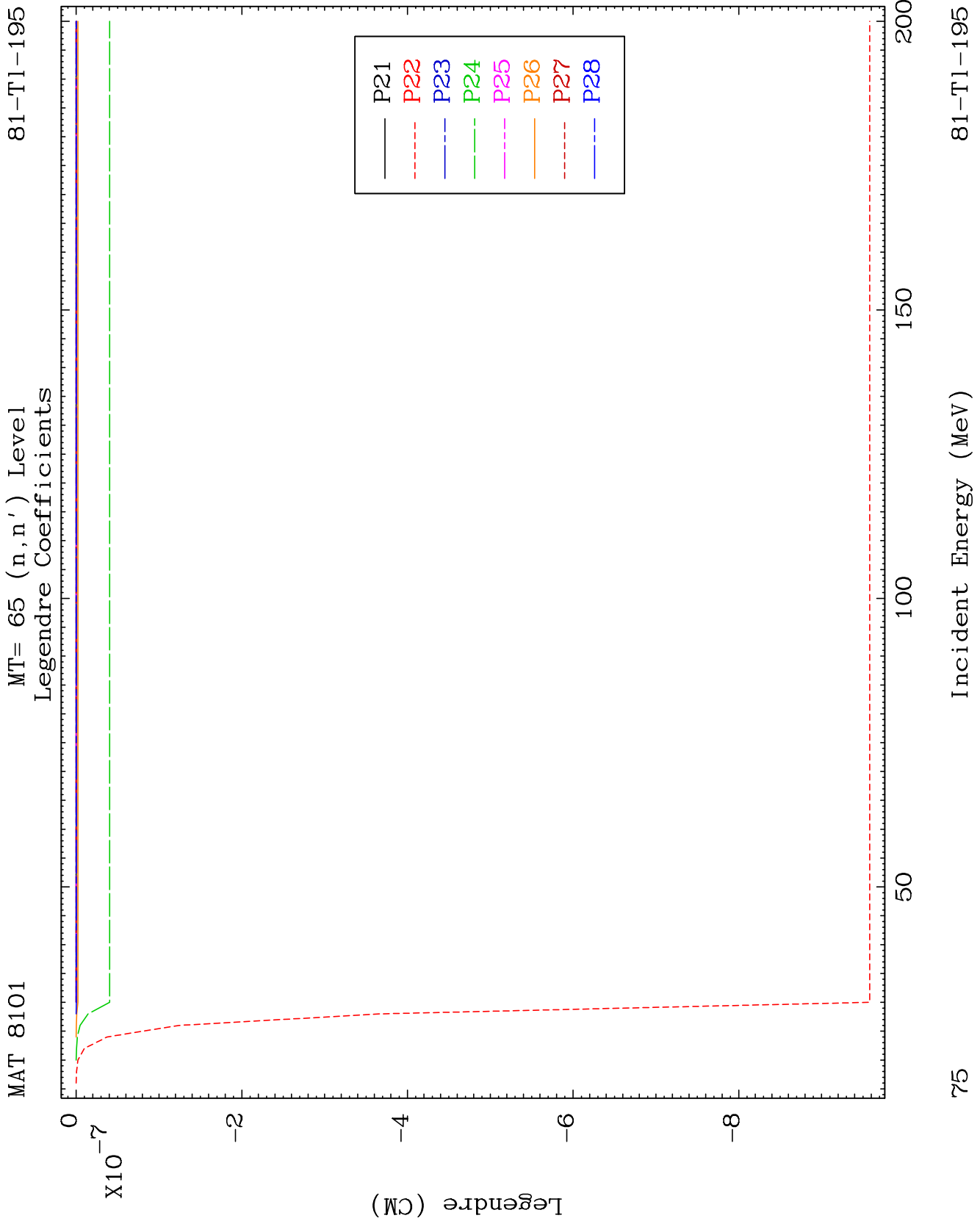
81-T1-195

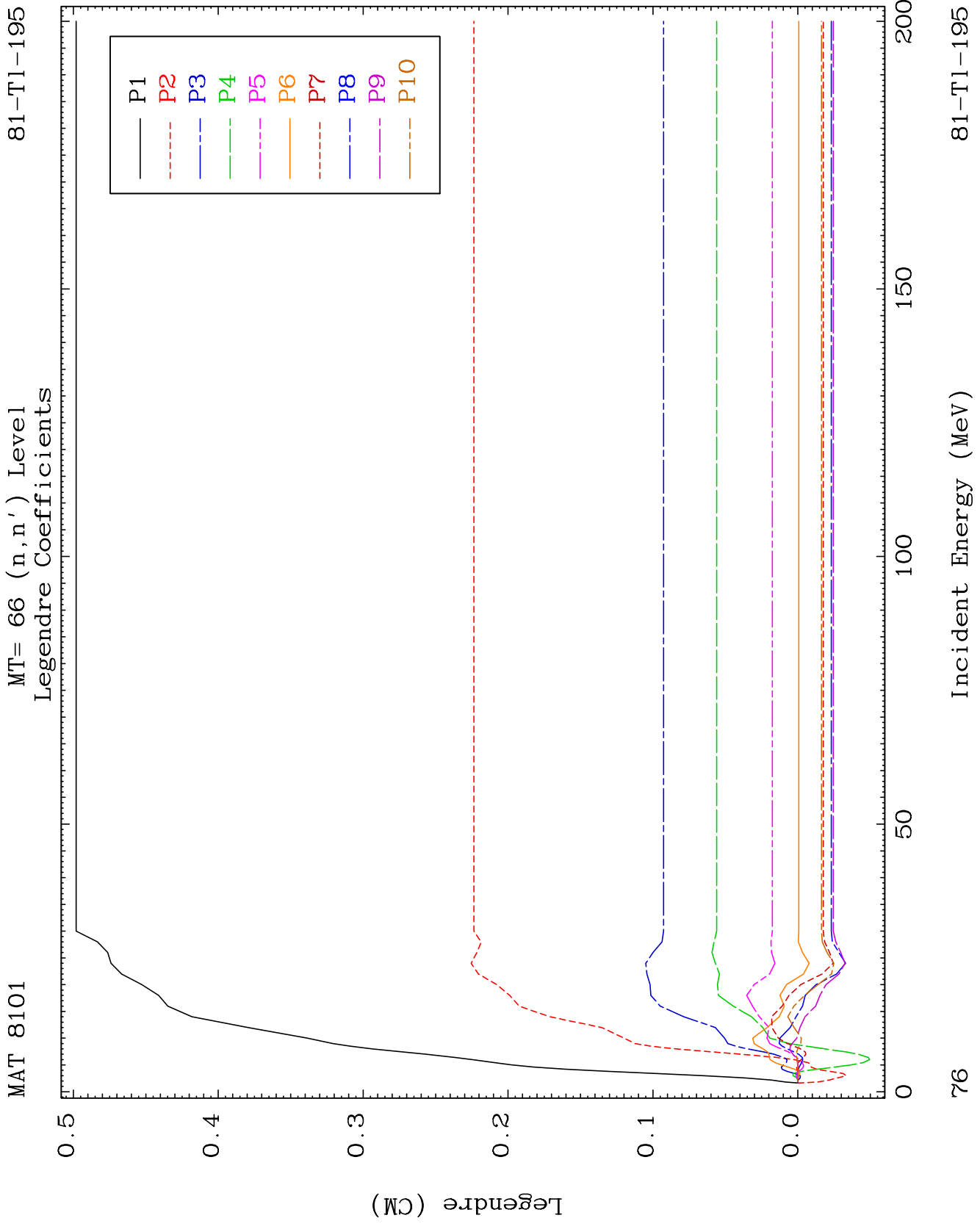


74

Incident Energy (MeV)

81-T1-195

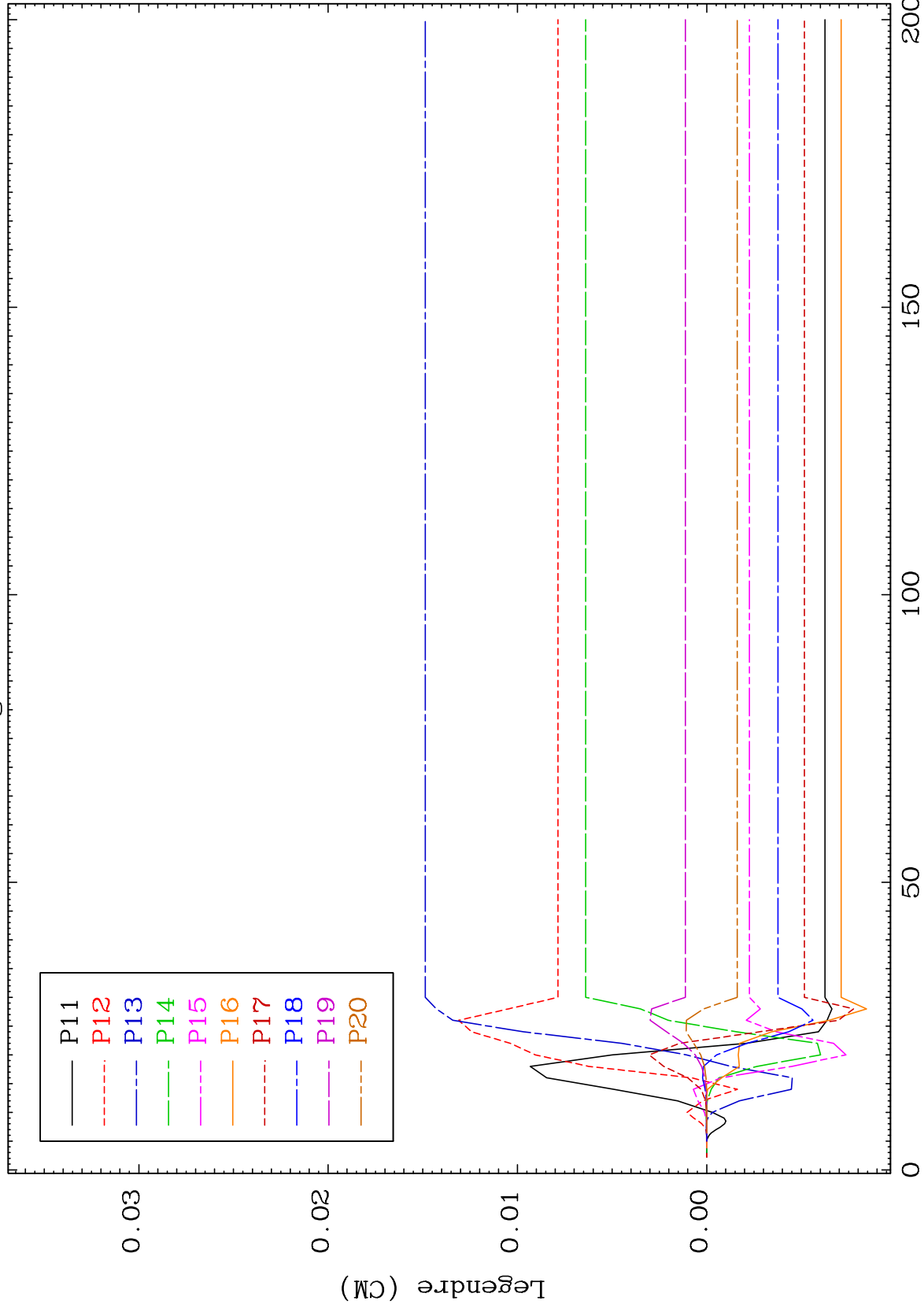




MAT 8101

81-T1-195

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



77

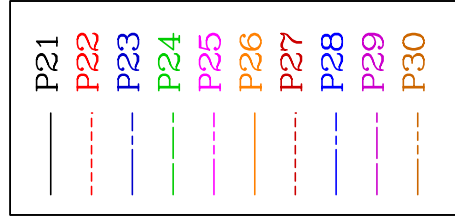
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



$\times 10^{-3}$
2.5
2.0
1.5

Legendre (CM)

1.0
0.5
0.0

50 100 150 200

78

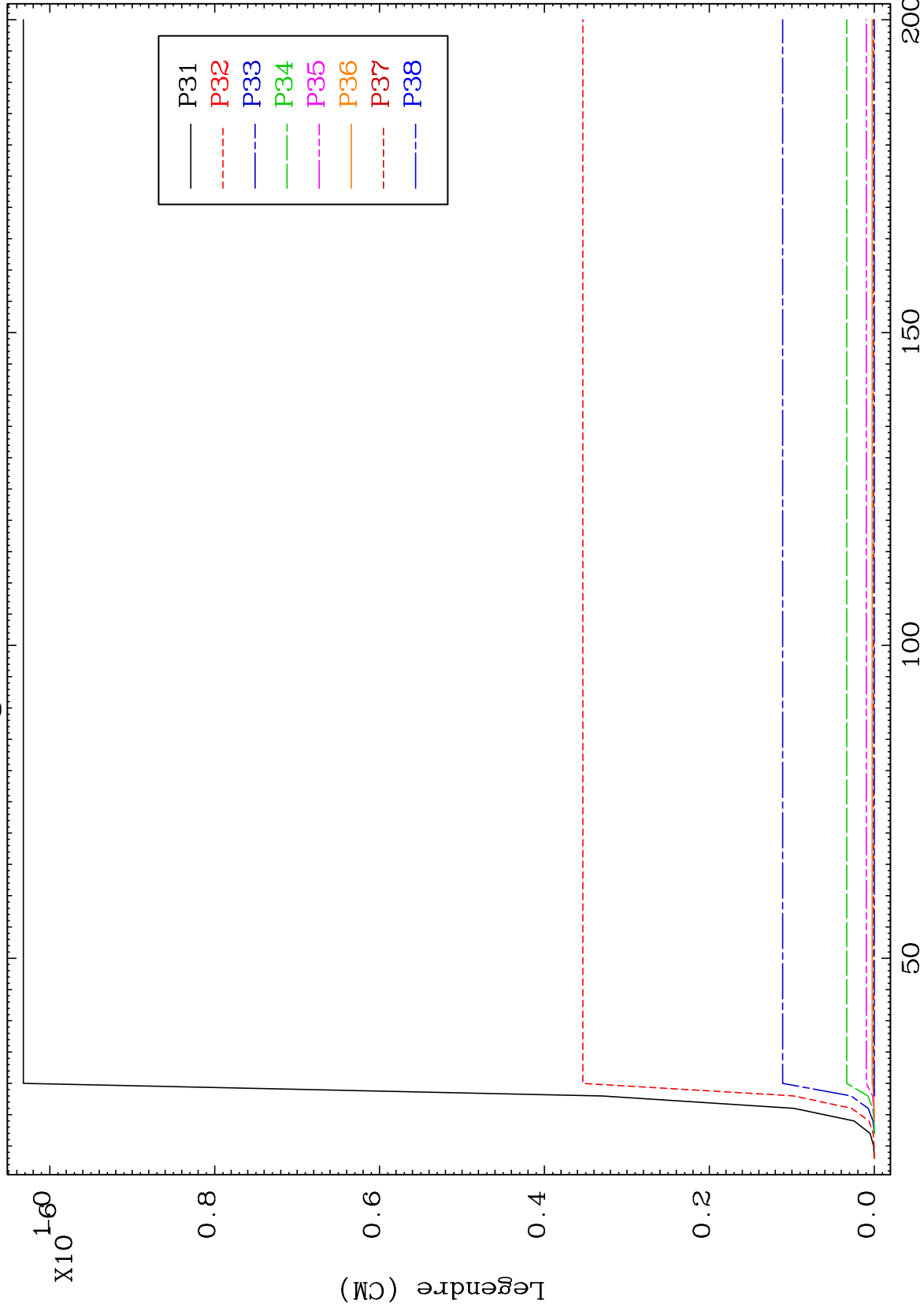
Incident Energy (MeV)

81-T1-195

MAT 8101

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

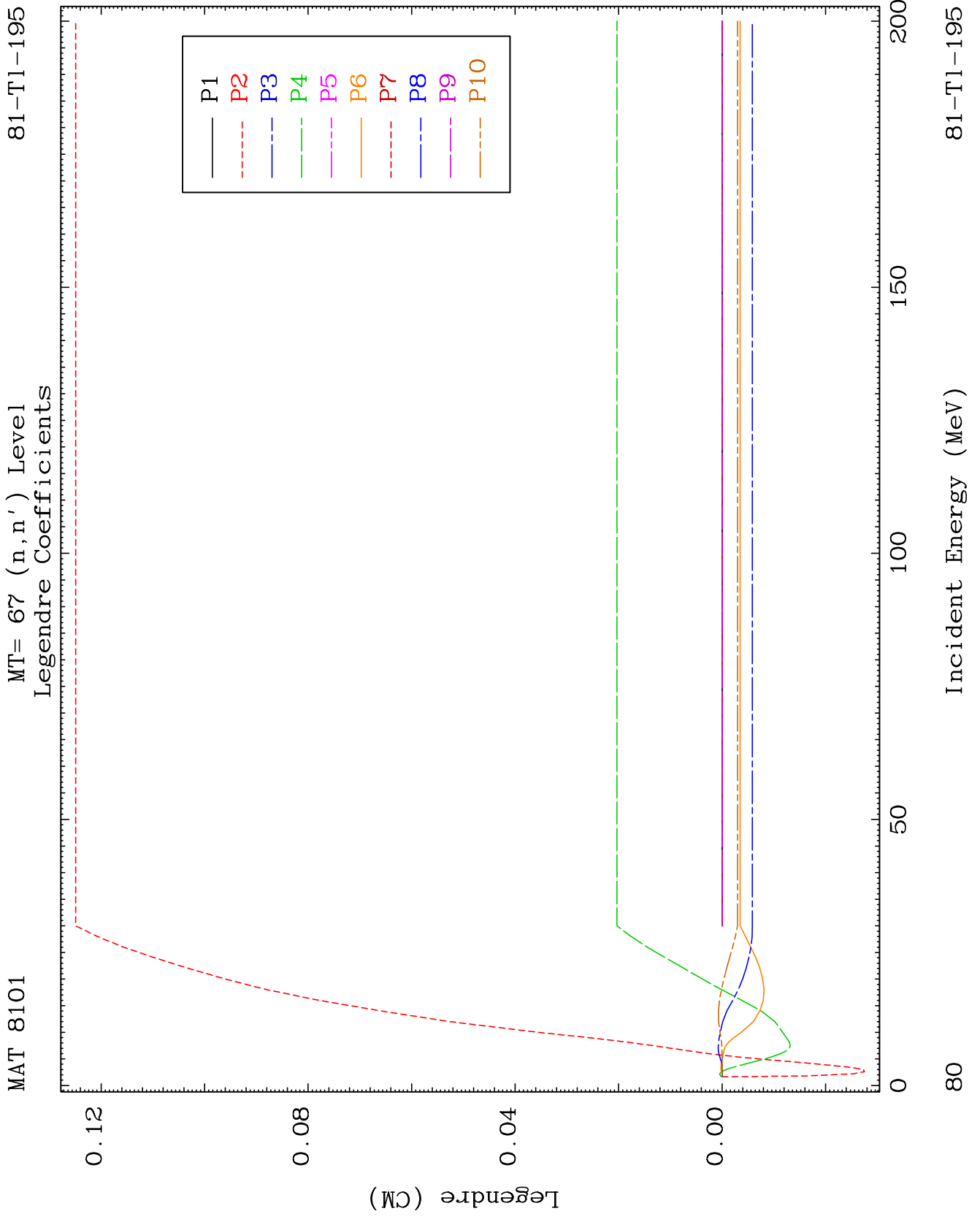
81-T1-195

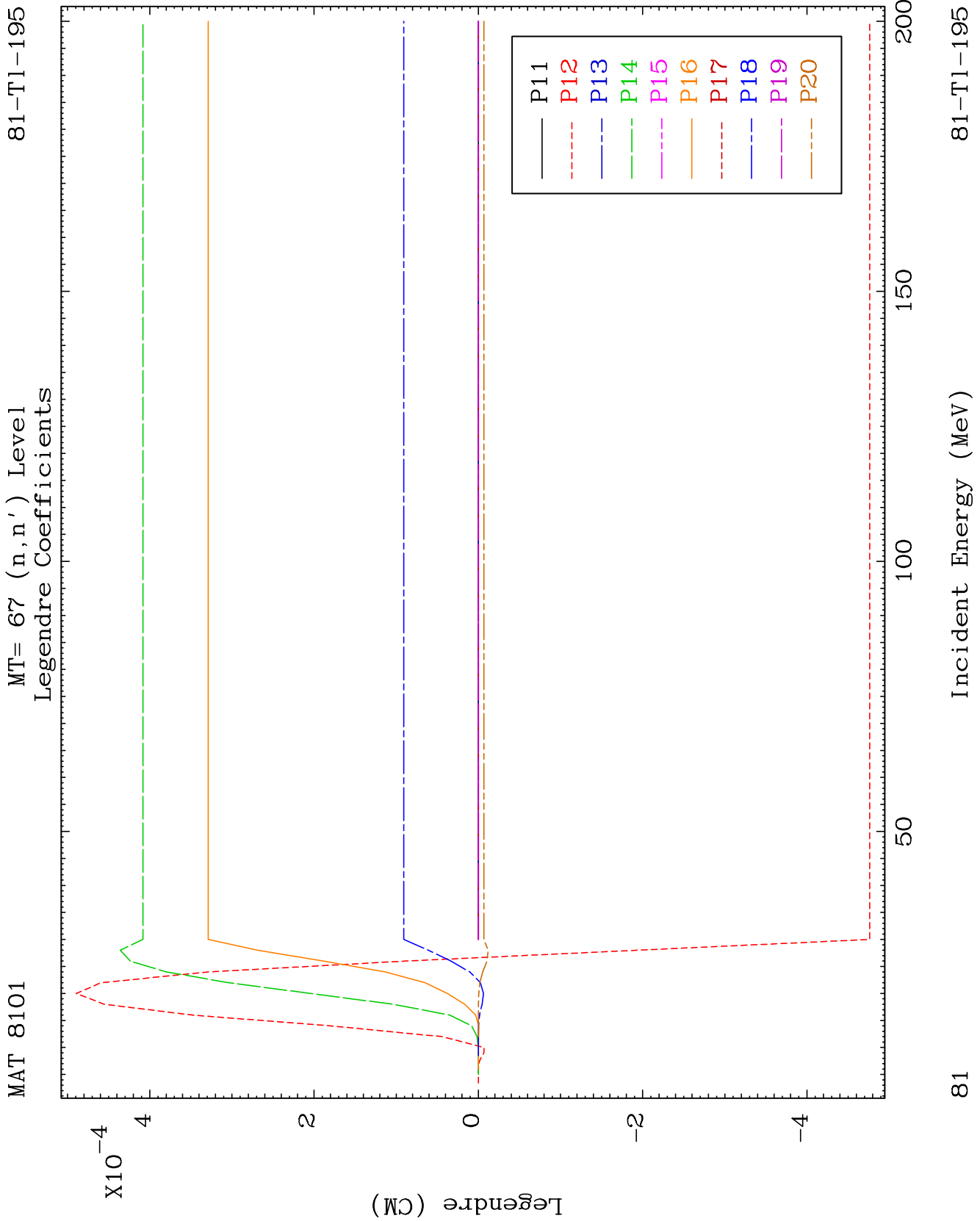


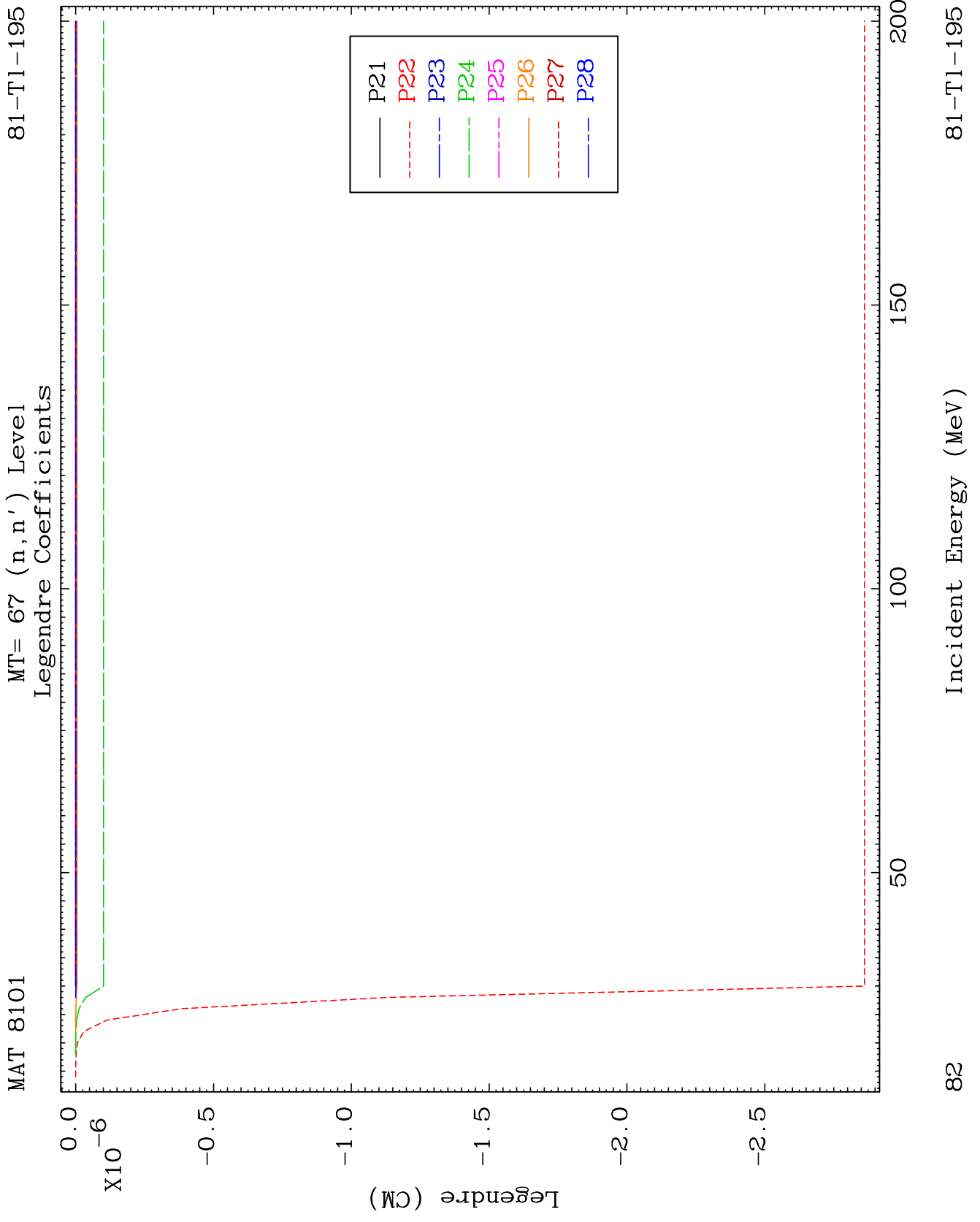
79

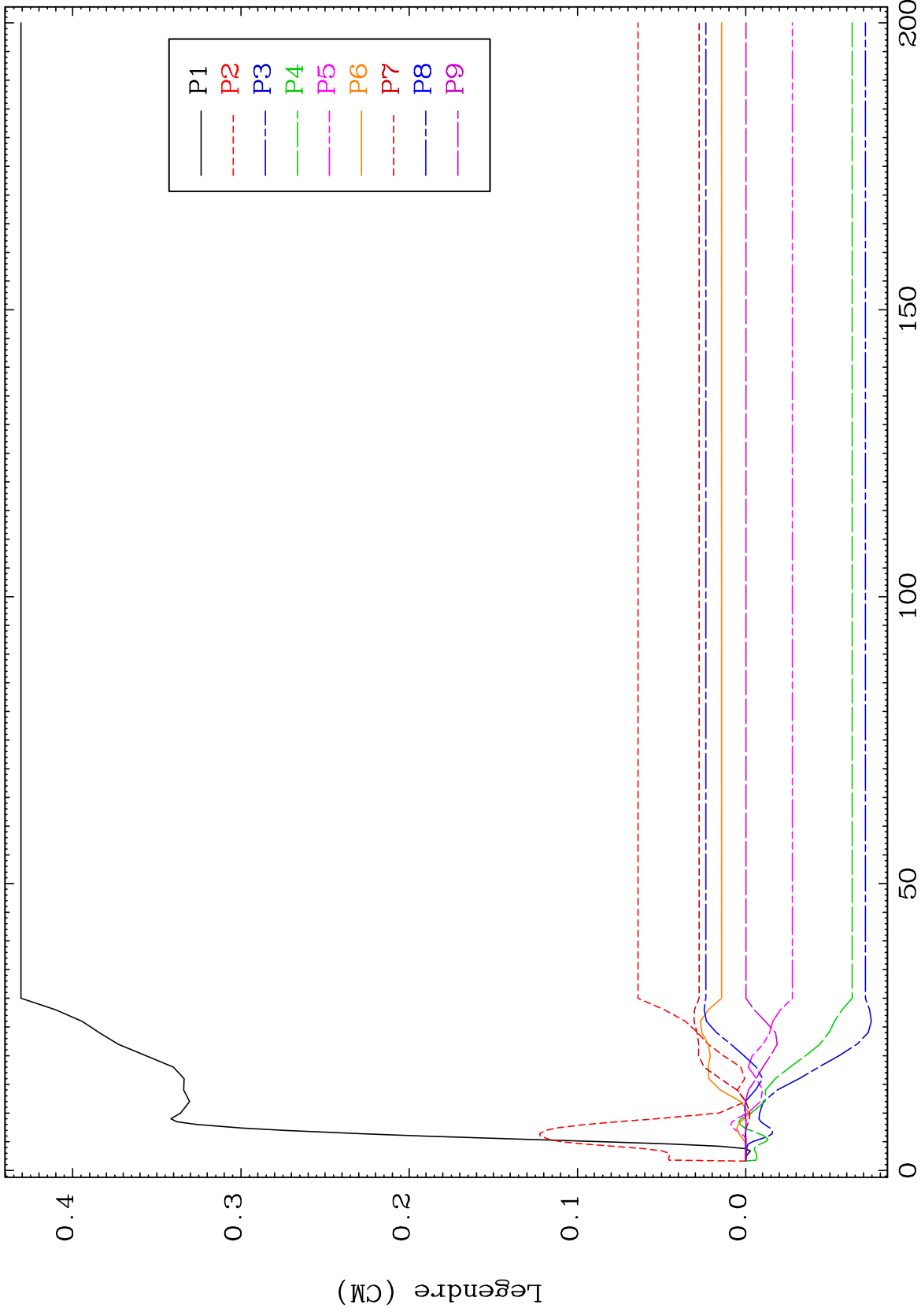
Incident Energy (MeV)

81-T1-195





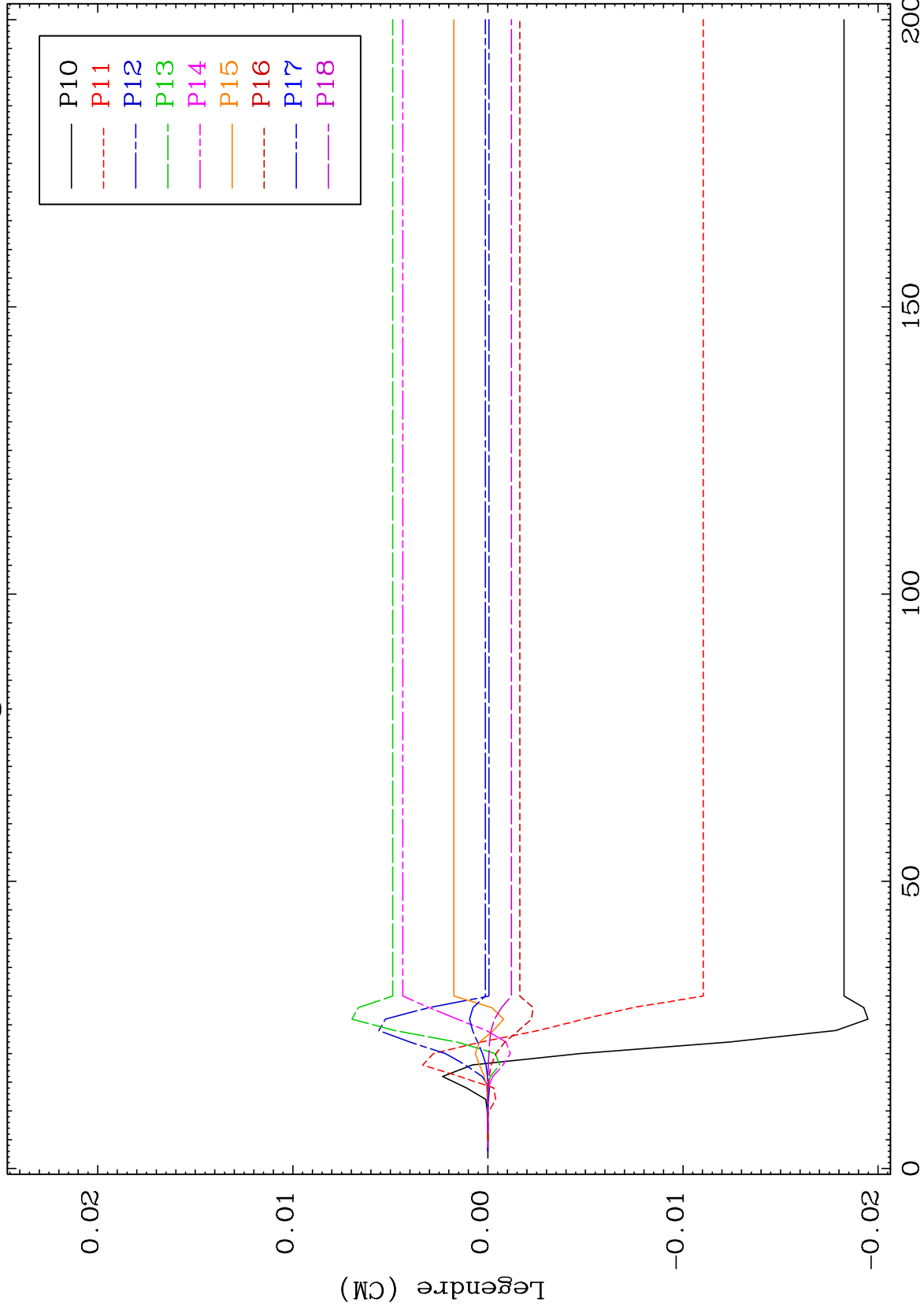




MAT 8101

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

81-T1-195



84

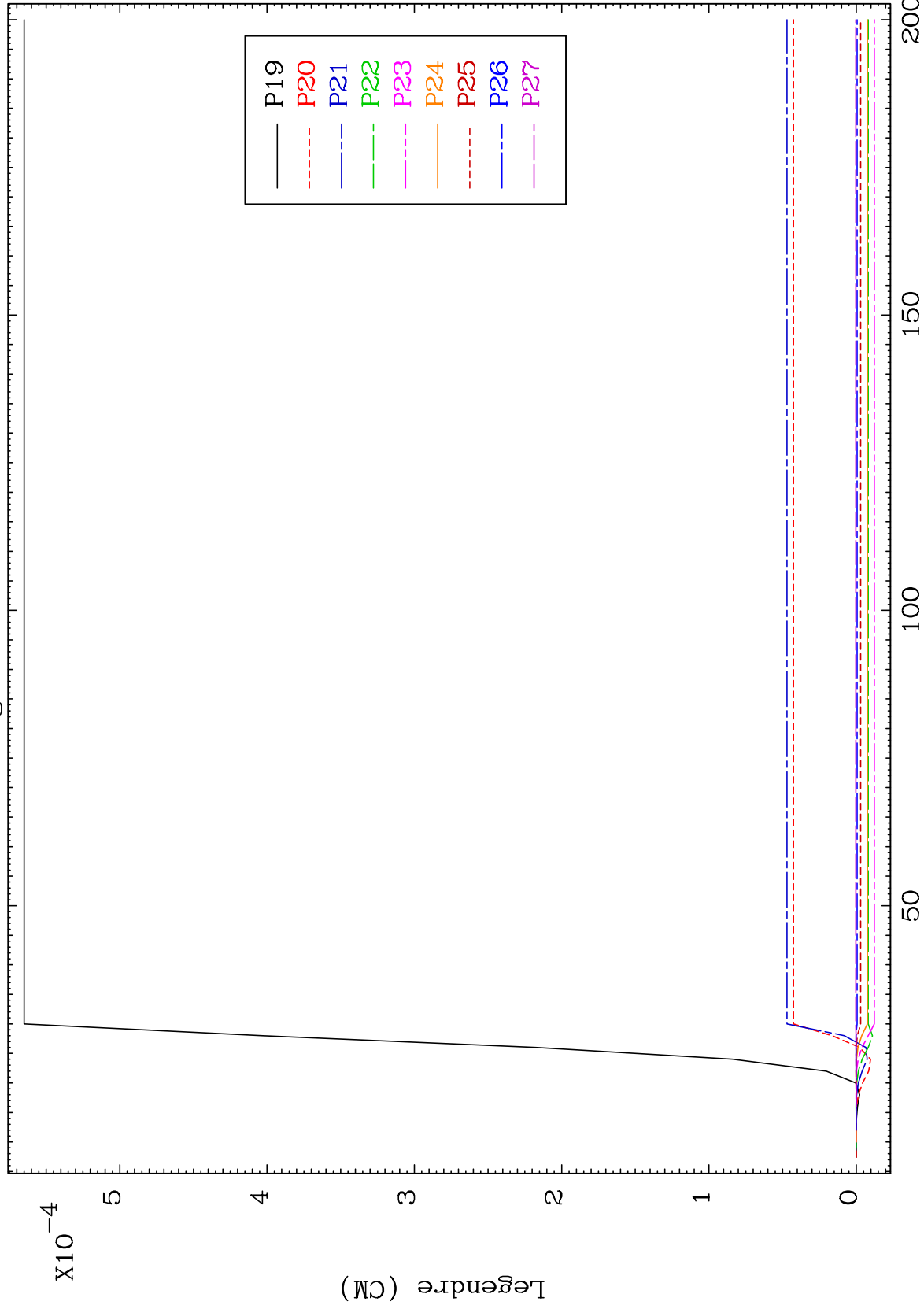
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



85

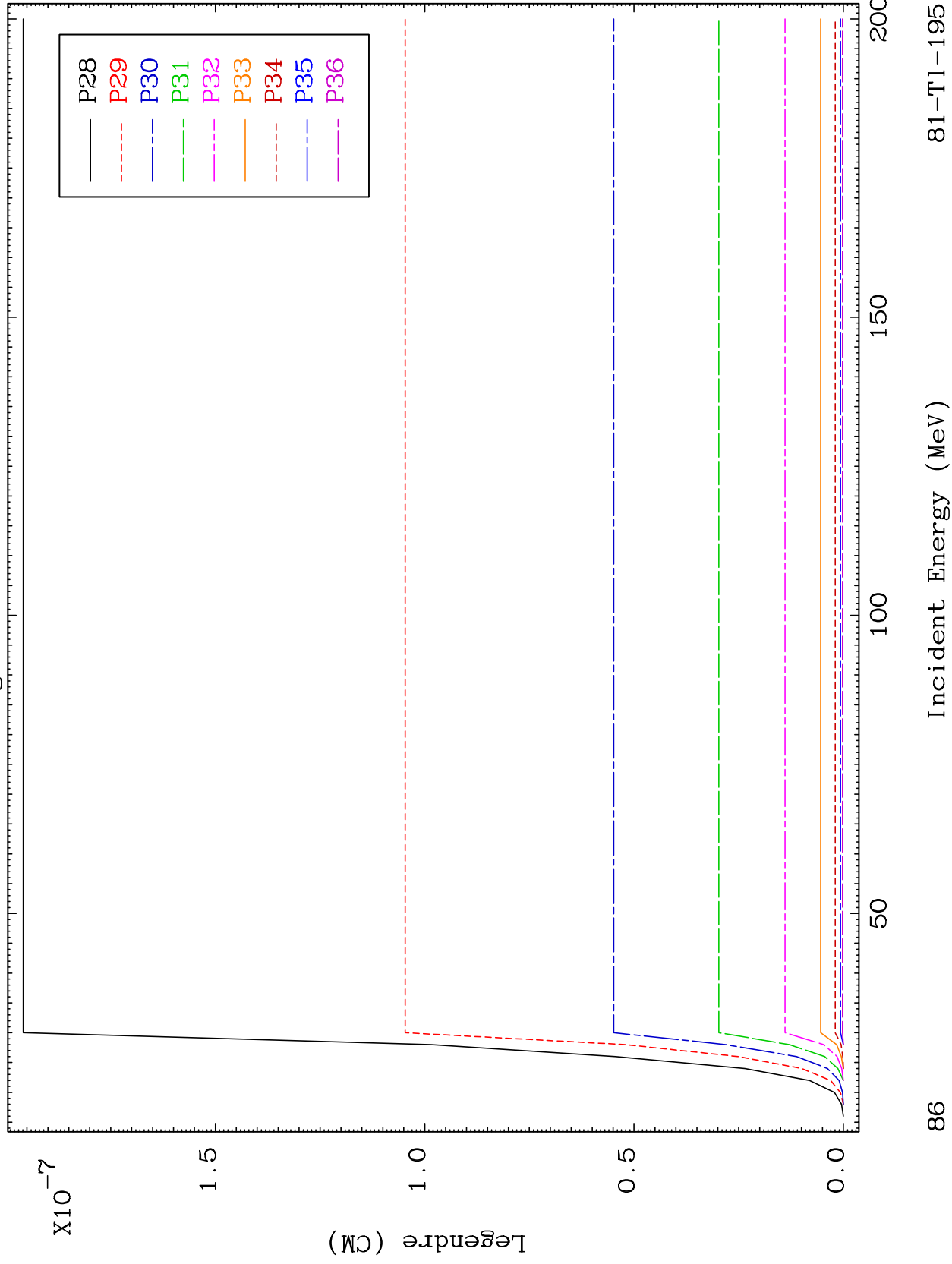
Incident Energy (MeV)

81-T1-195

MAT 8101

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

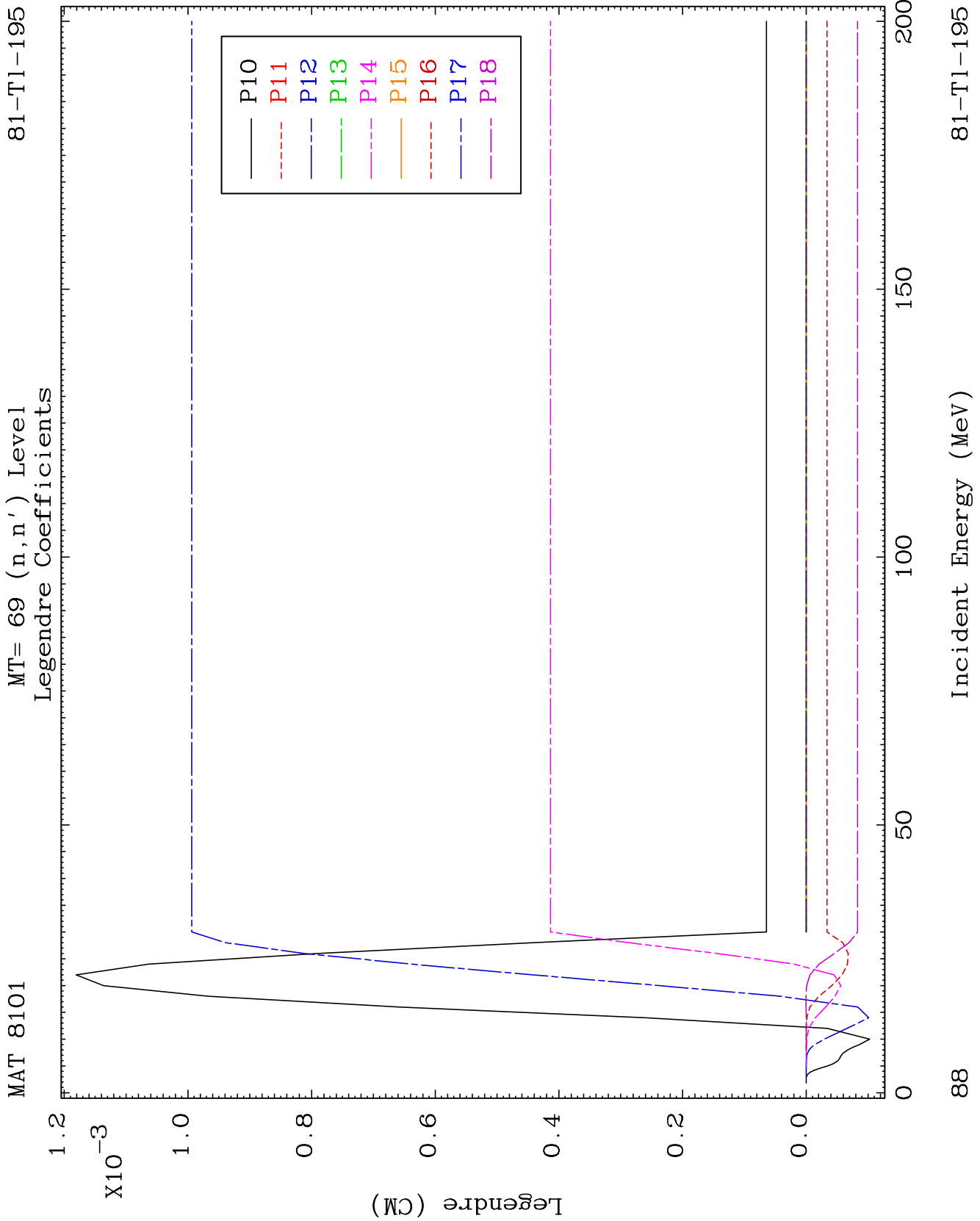
81-T1-195



86

Incident Energy (MeV)

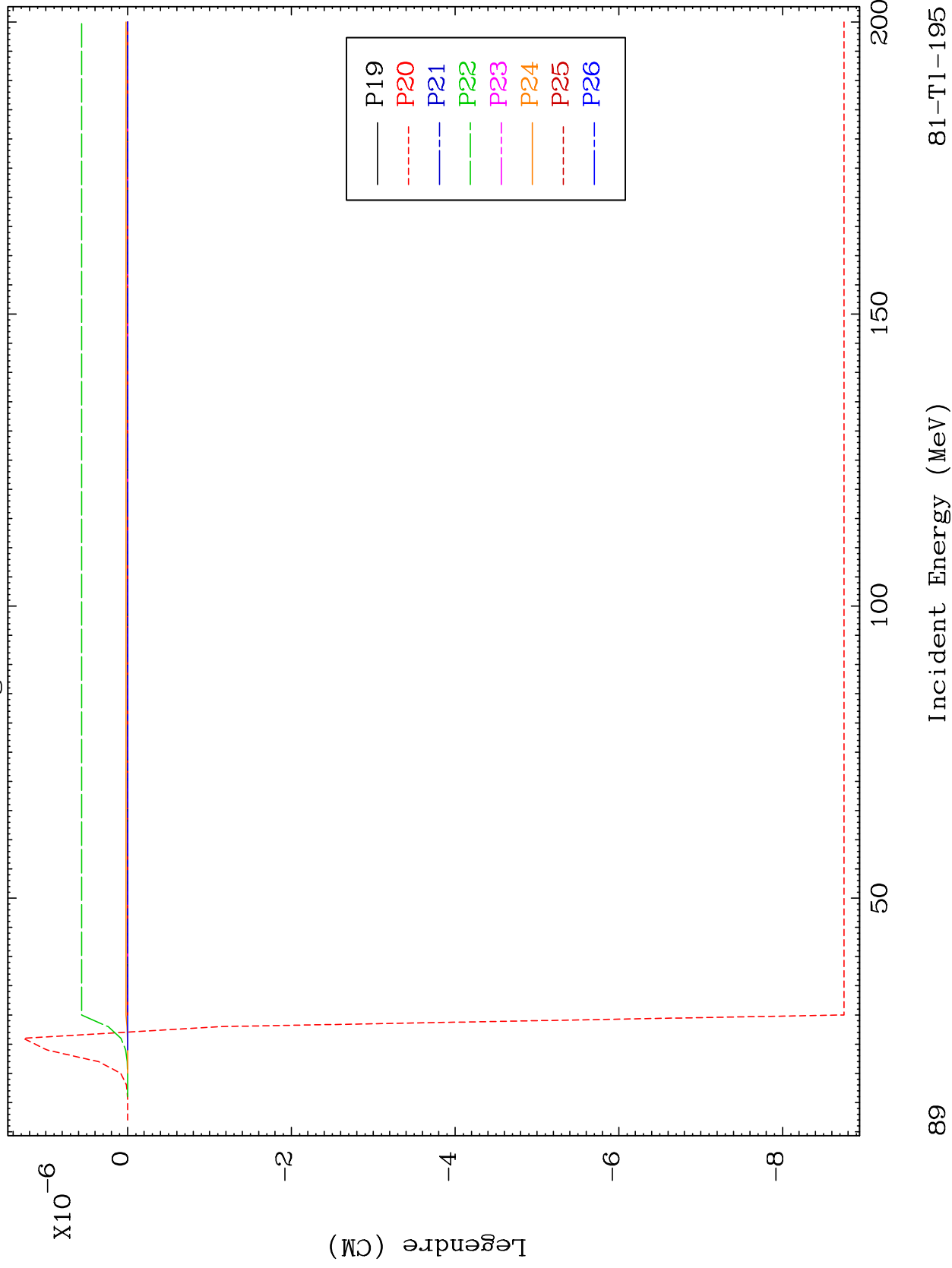
81-T1-195



MAT 8101

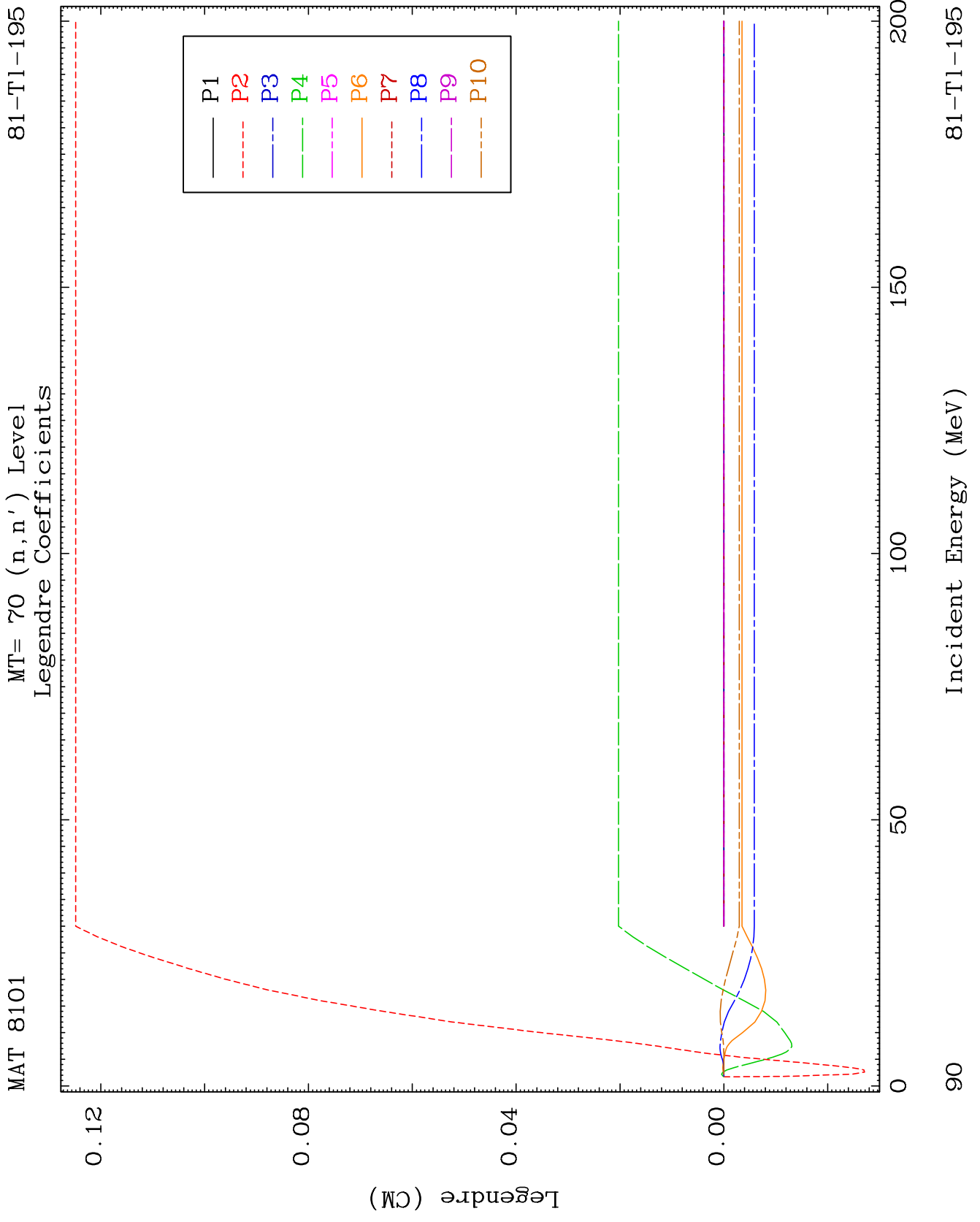
81-T1-195

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



89

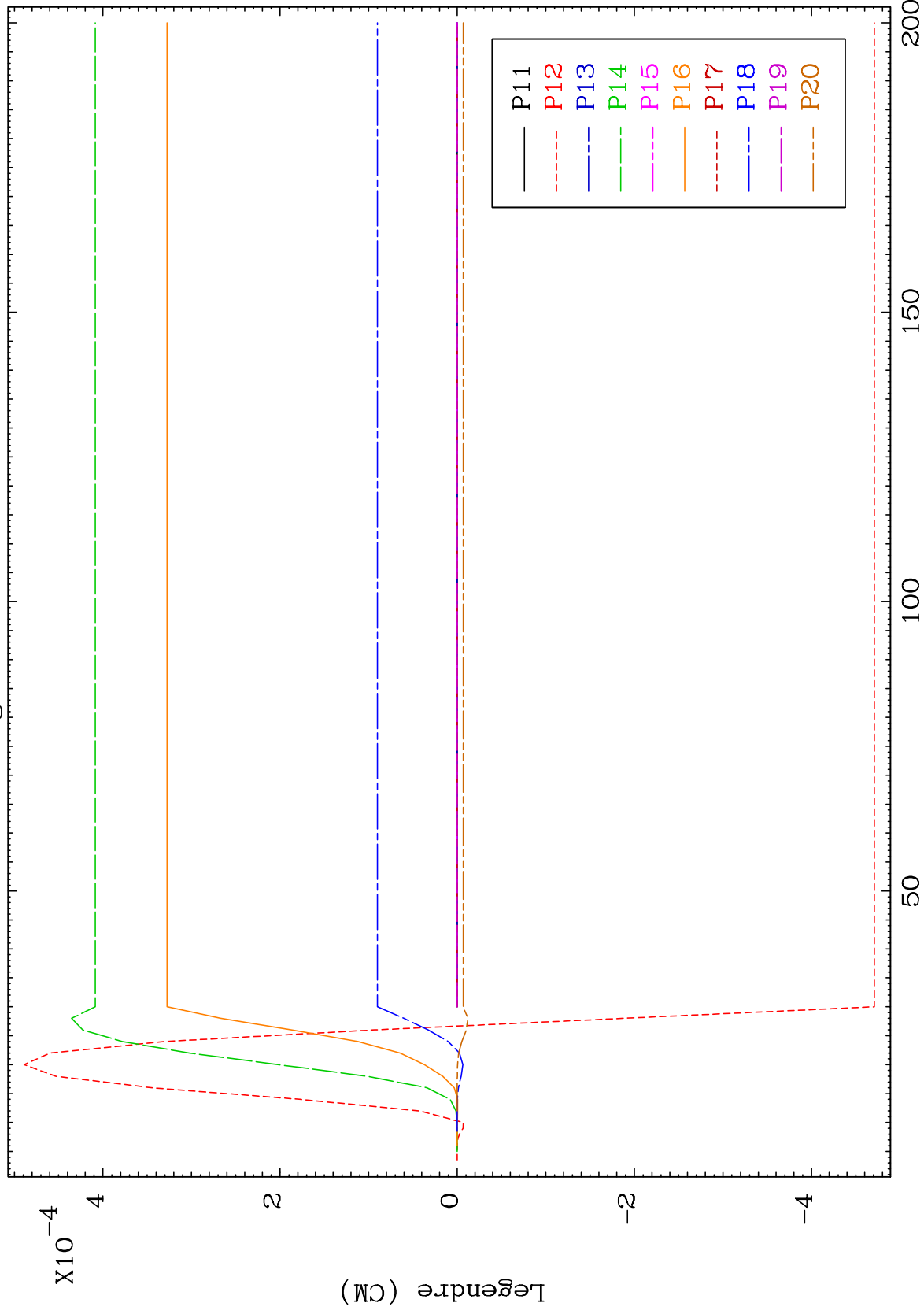
81-T1-195



MAT 8101

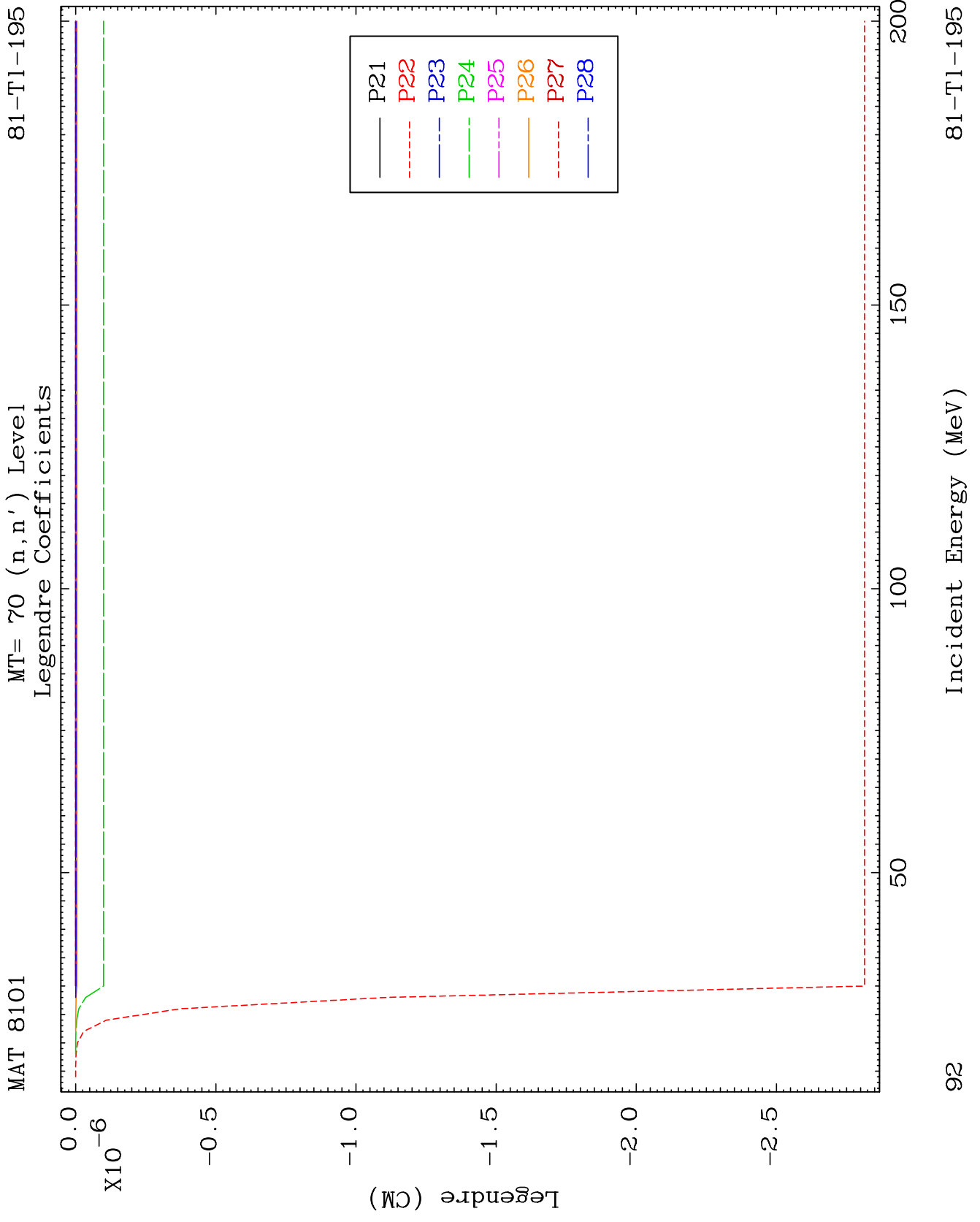
MT= 70 (n,n') Level
Legendre Coefficients

81-T1-195



91

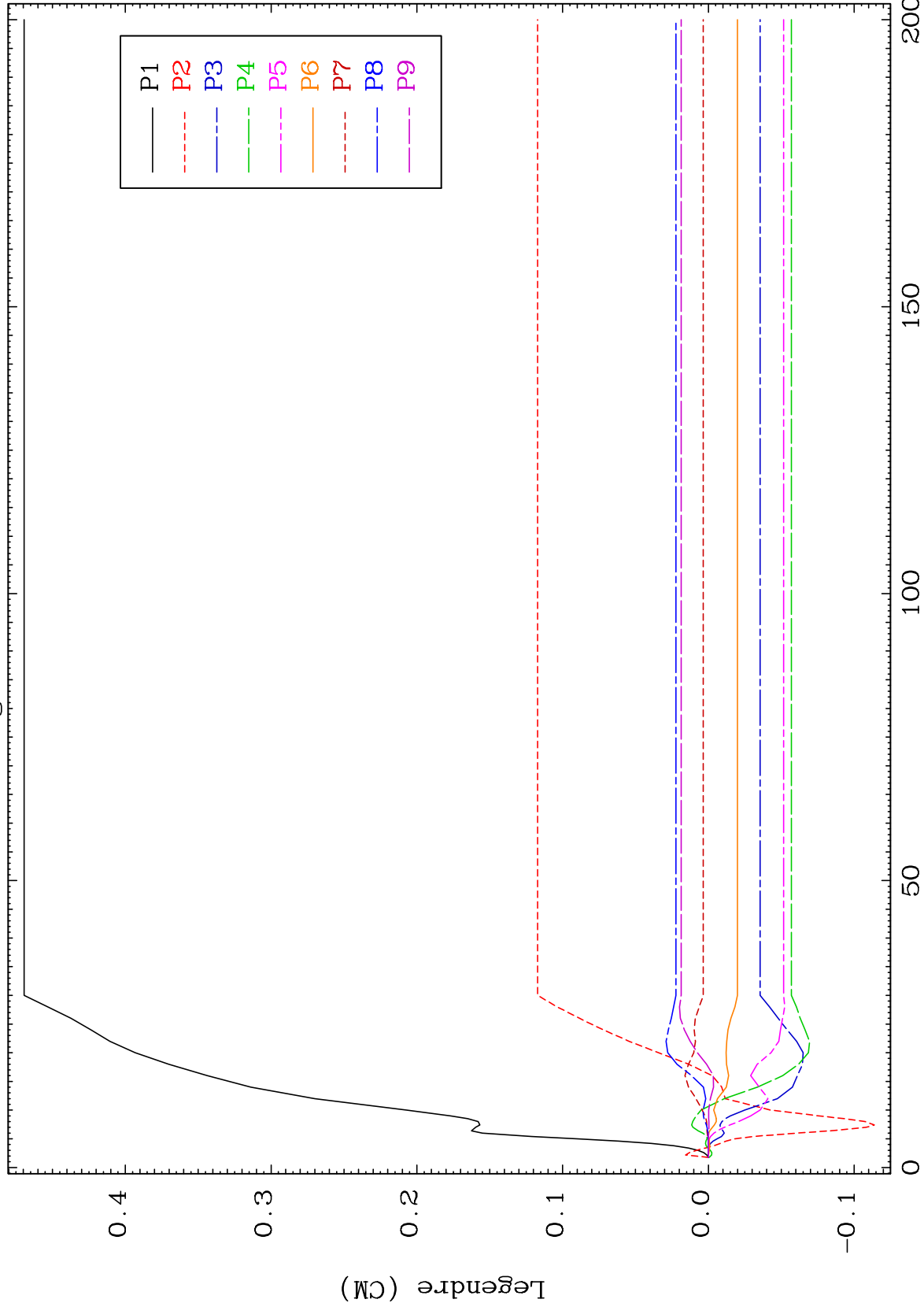
81-T1-195



MAT 8101

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

81-T1-195



93

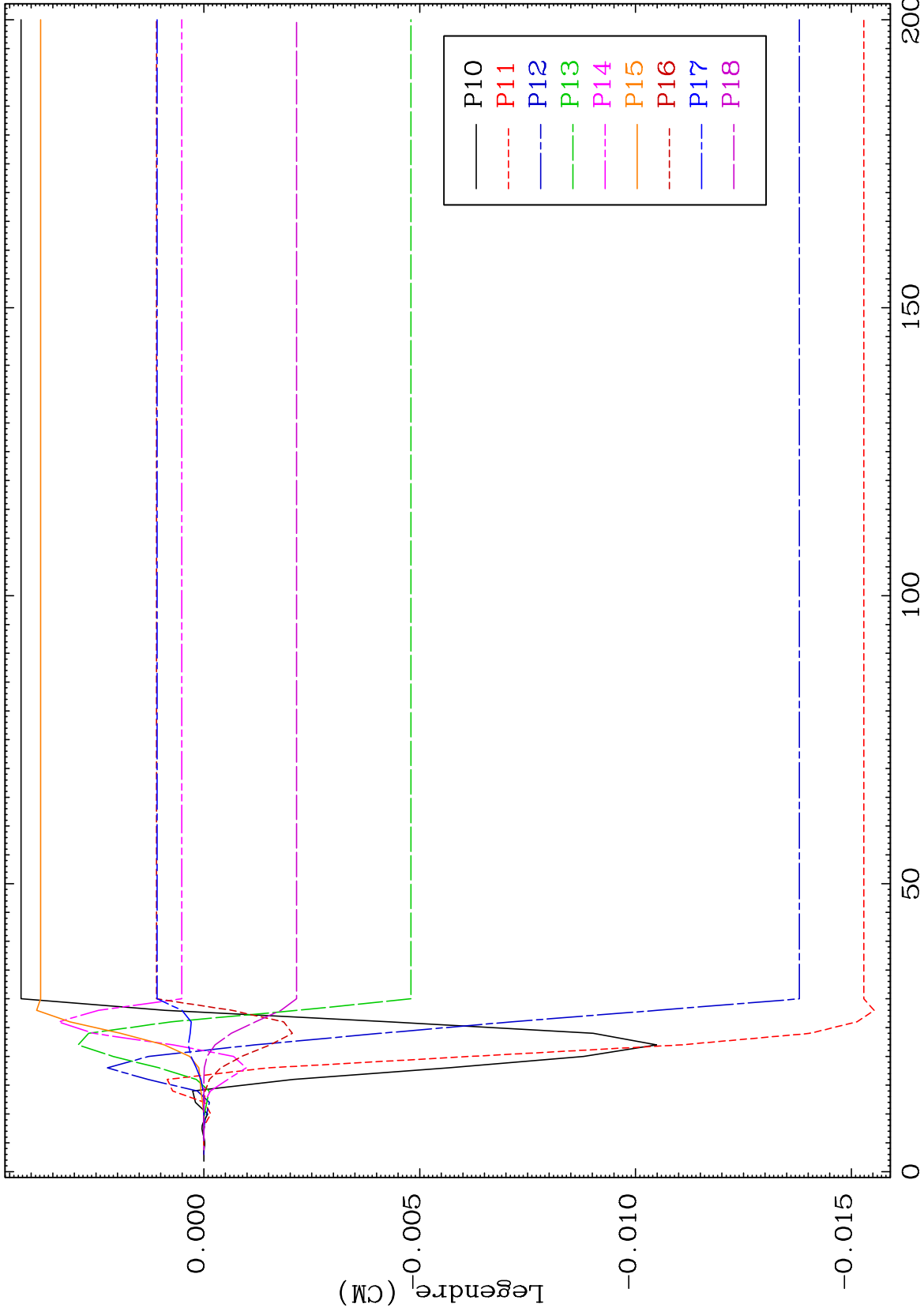
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



94

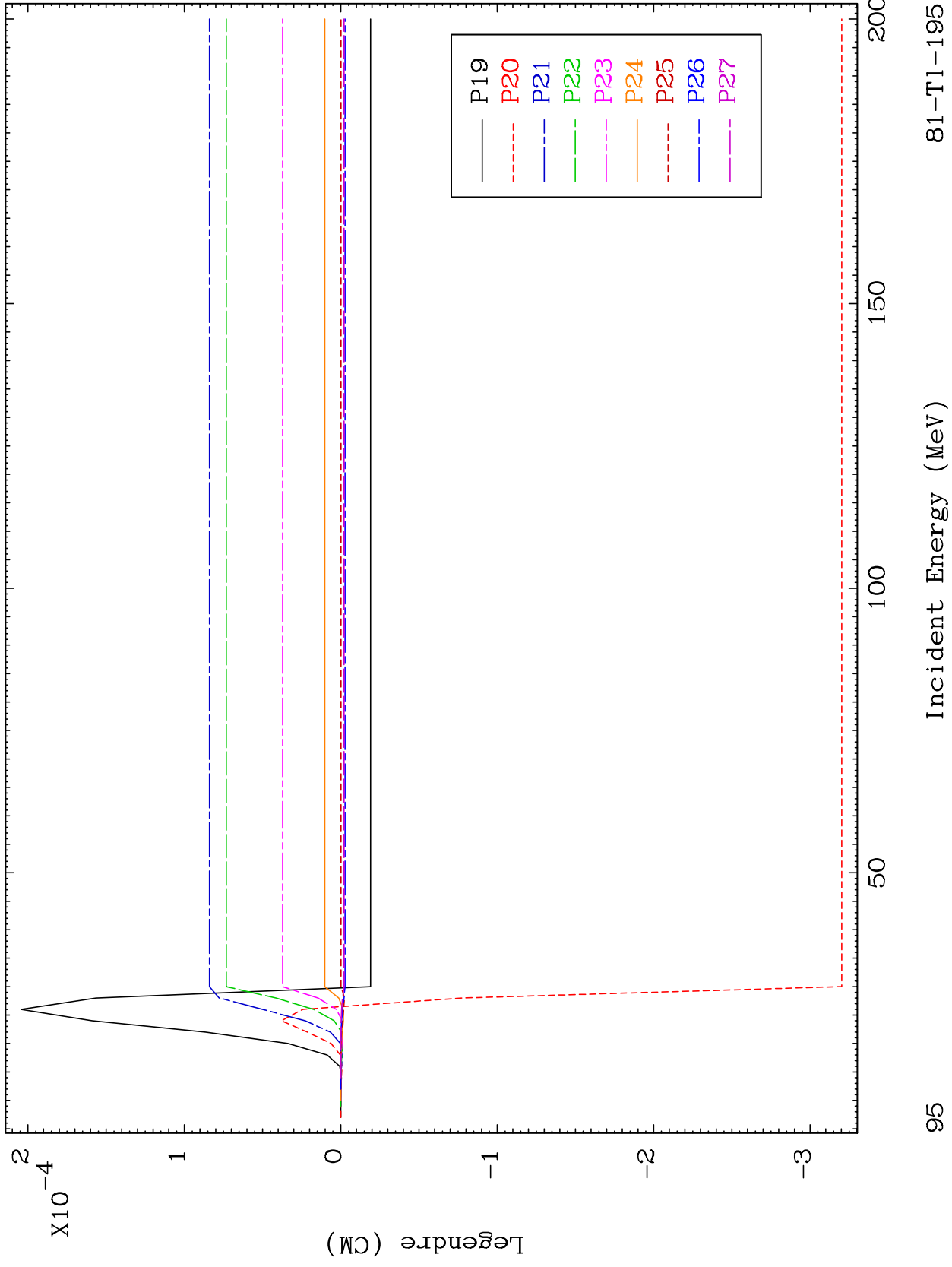
Incident Energy (MeV)

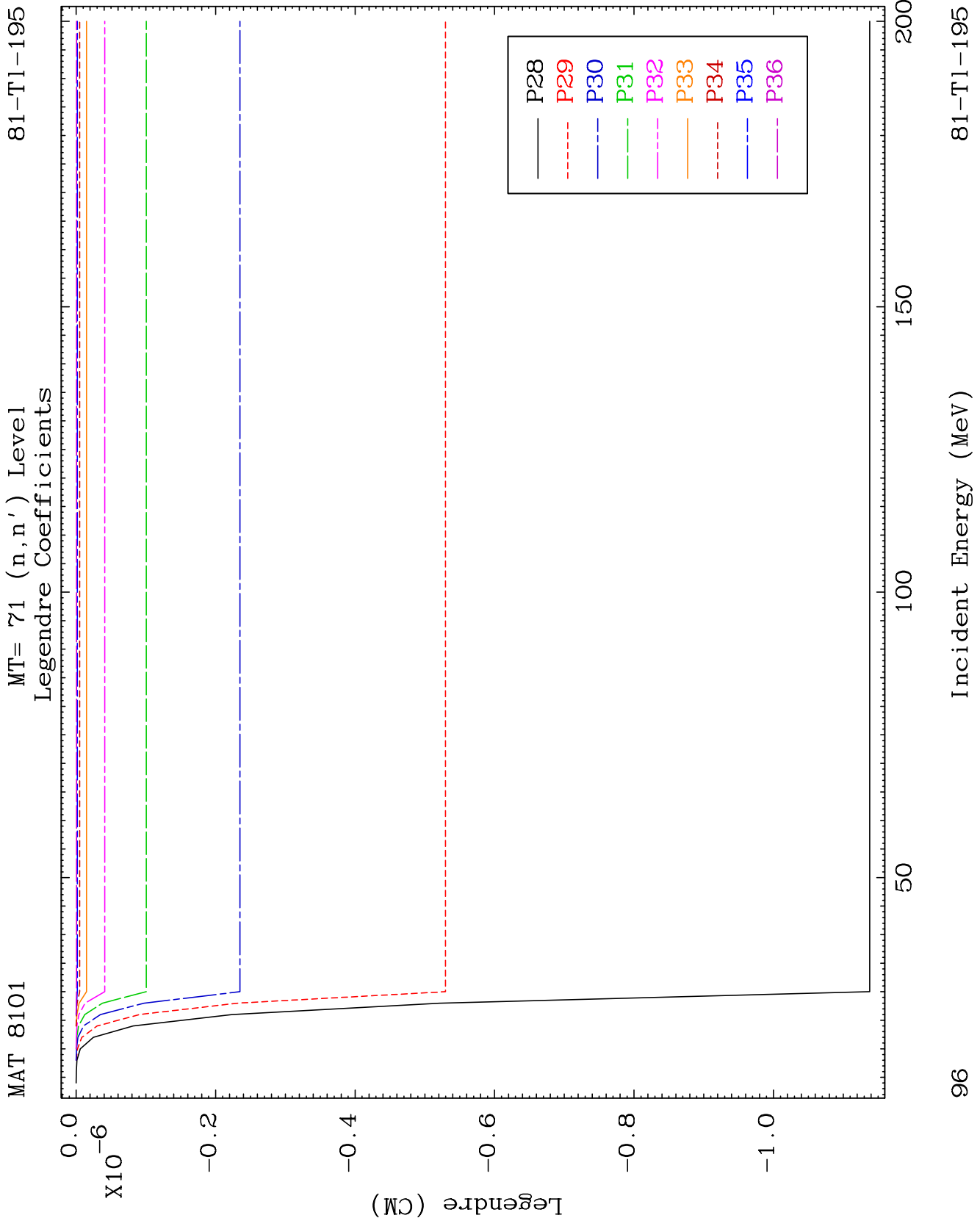
81-T1-195

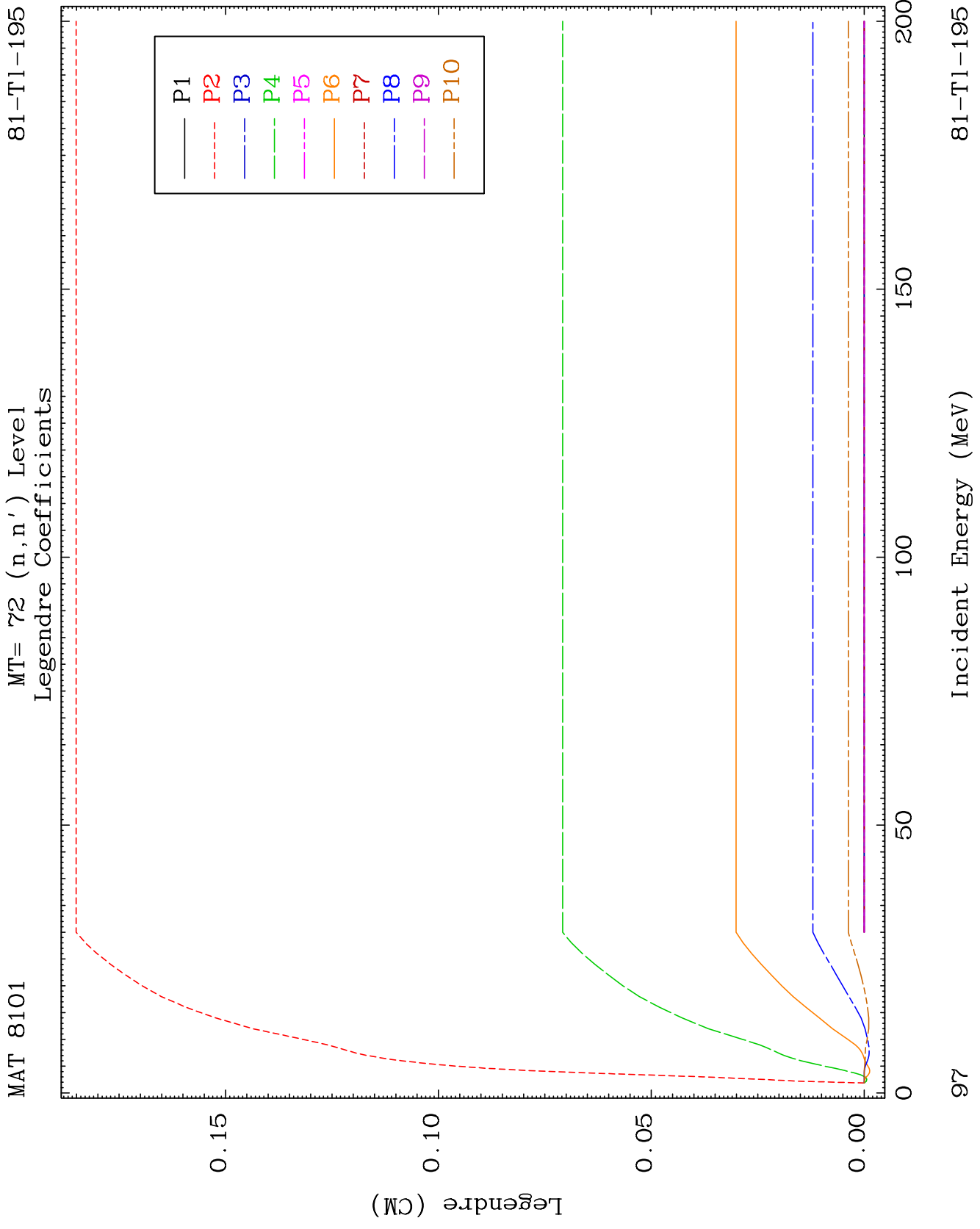
MAT 8101

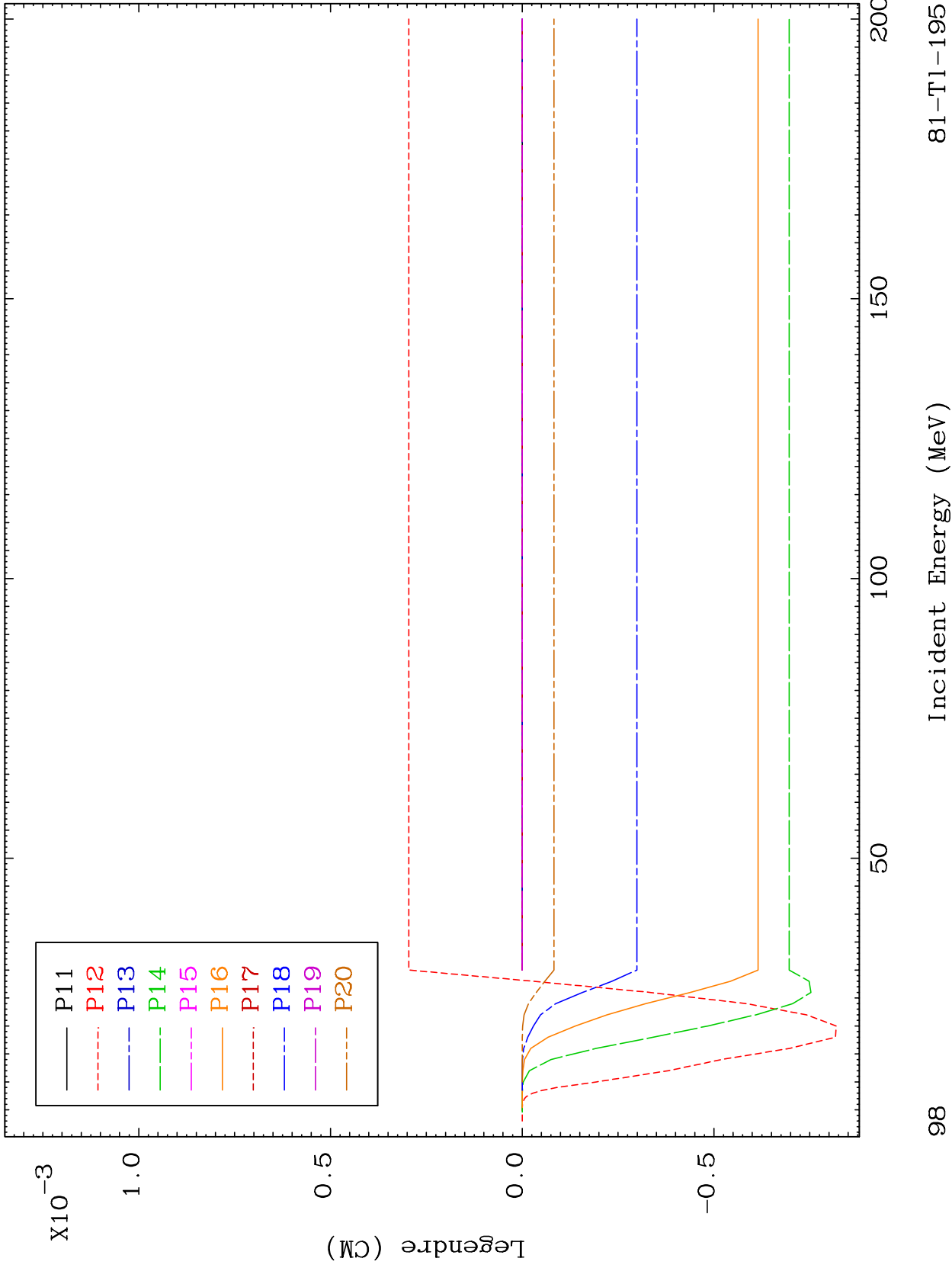
MT= 71 (n,n') Level
Legendre Coefficients

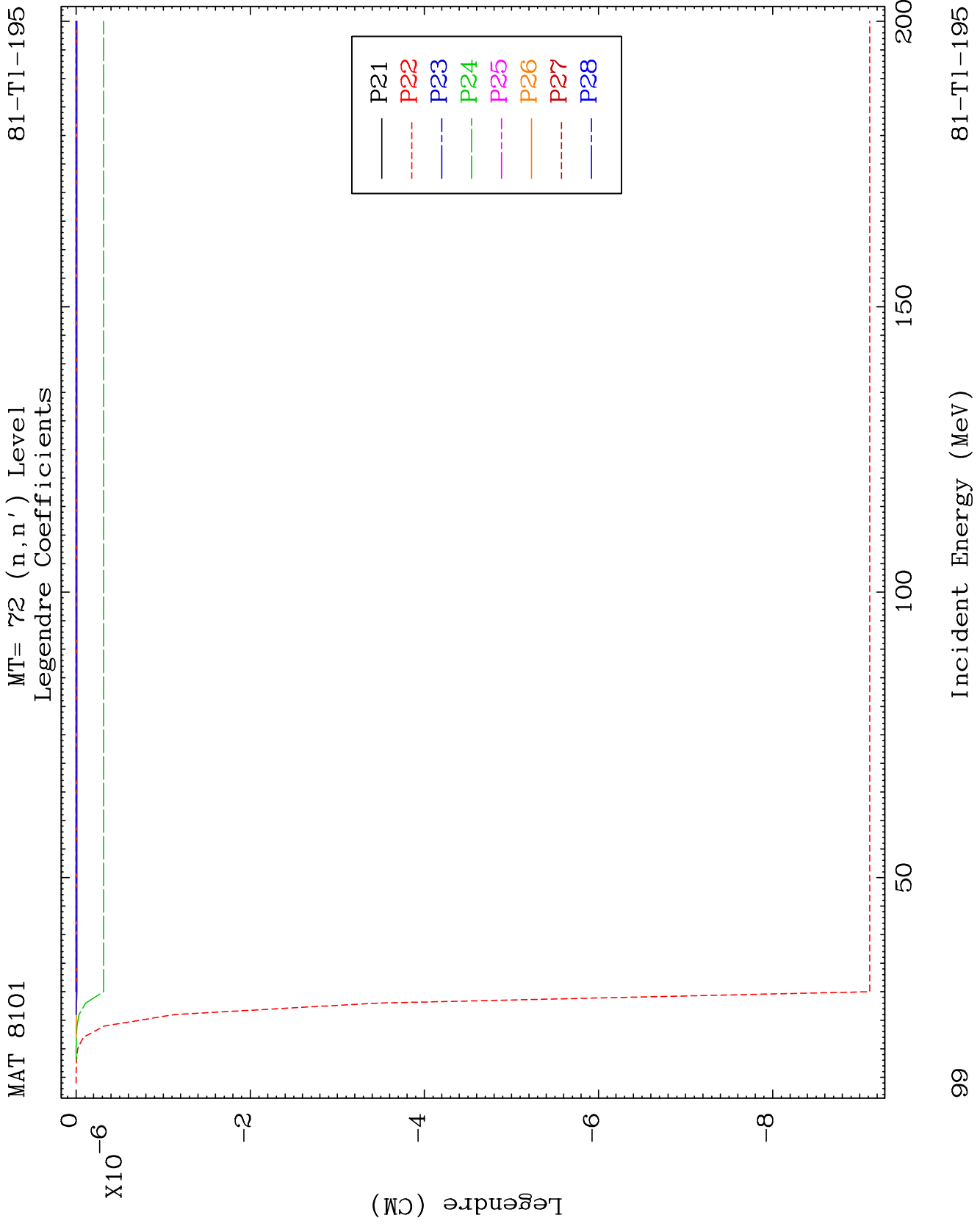
81-T1-195







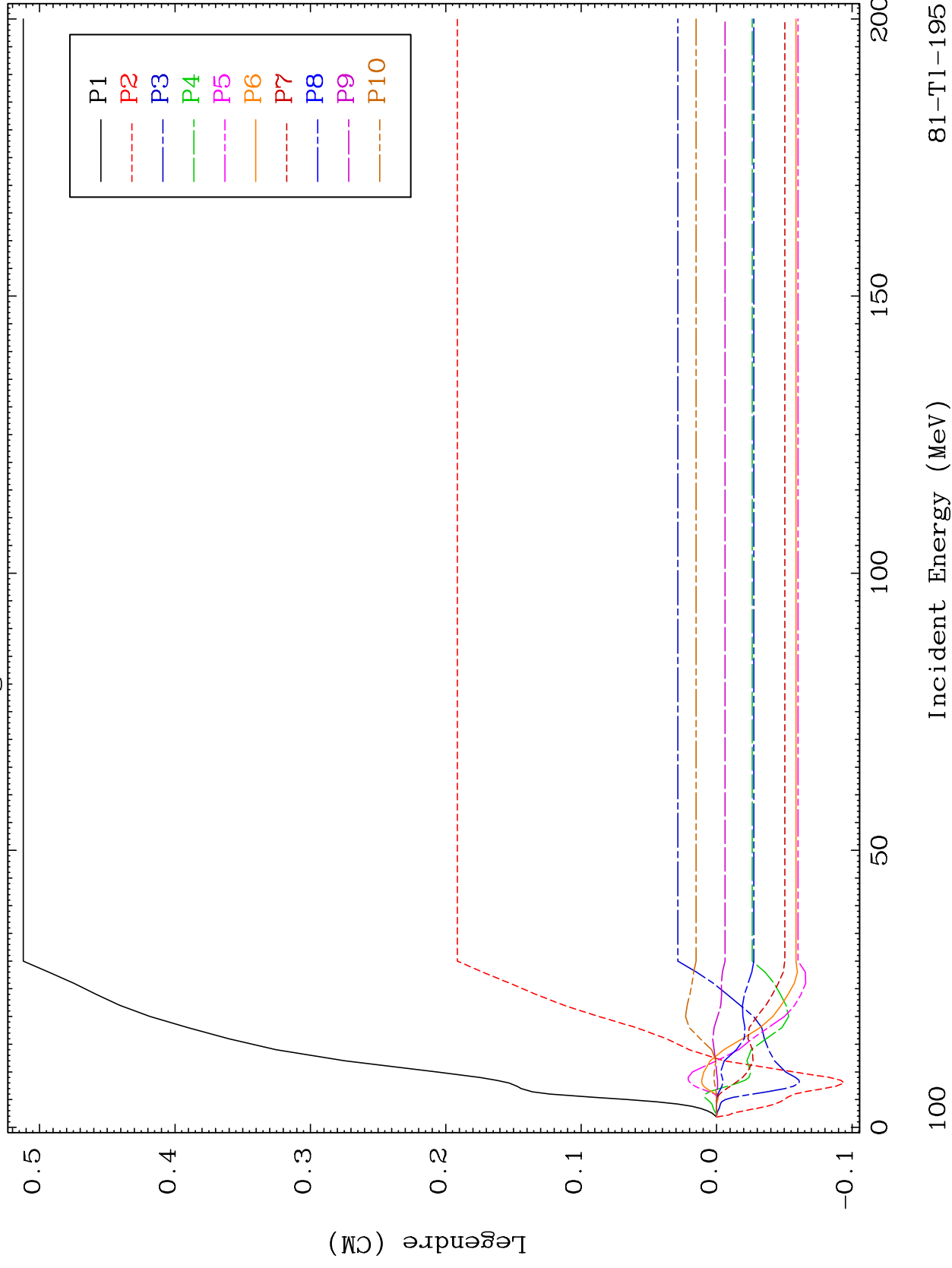




MAT 8101

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

81-T1-195



MAT 8101

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

81-T1-195

$\times 10^{-4}$

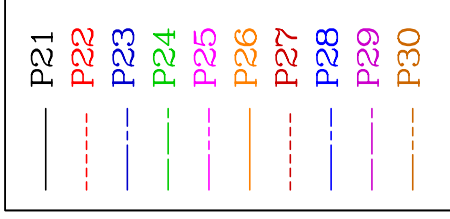
4

Legendre (CM)

2

0

-2

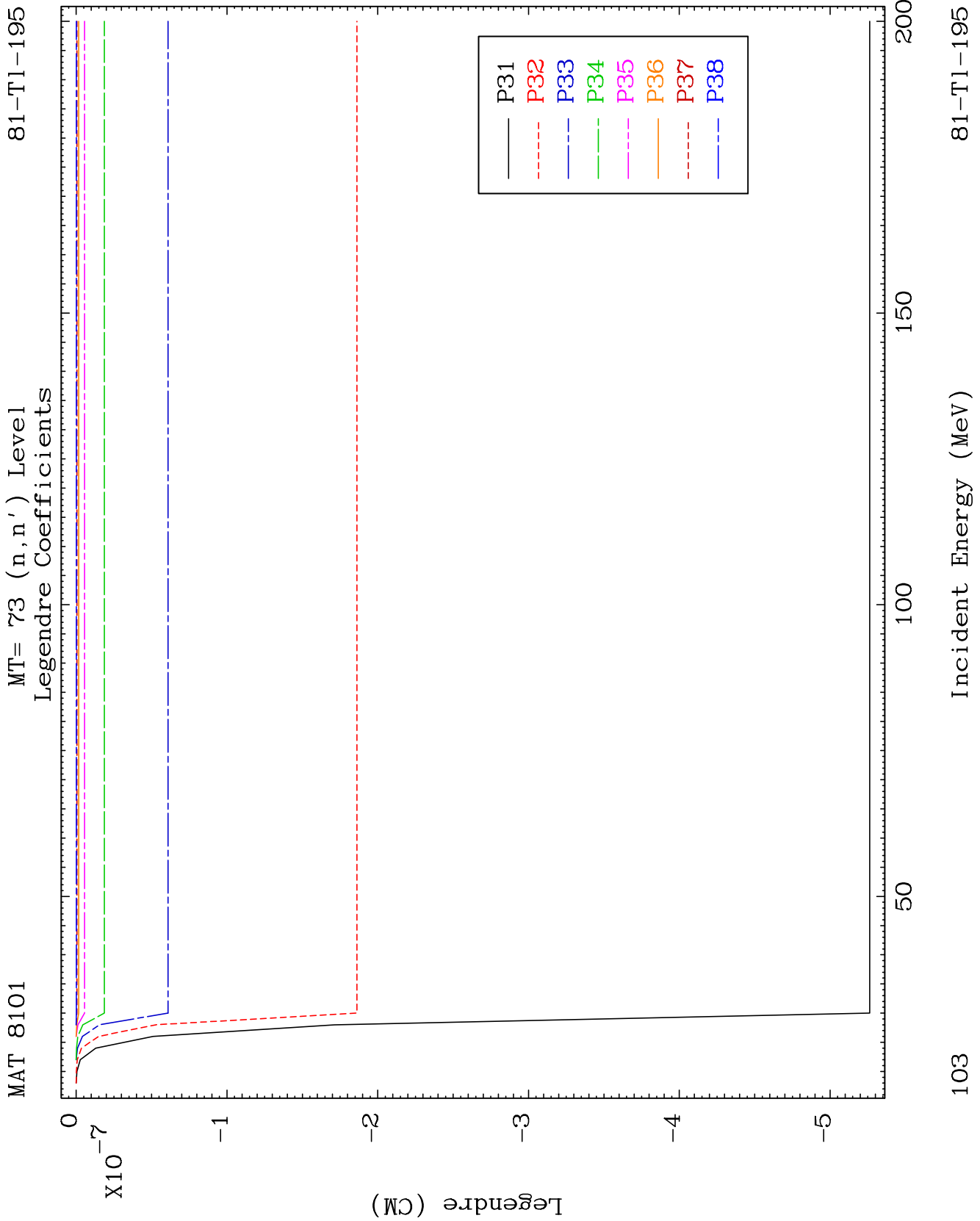


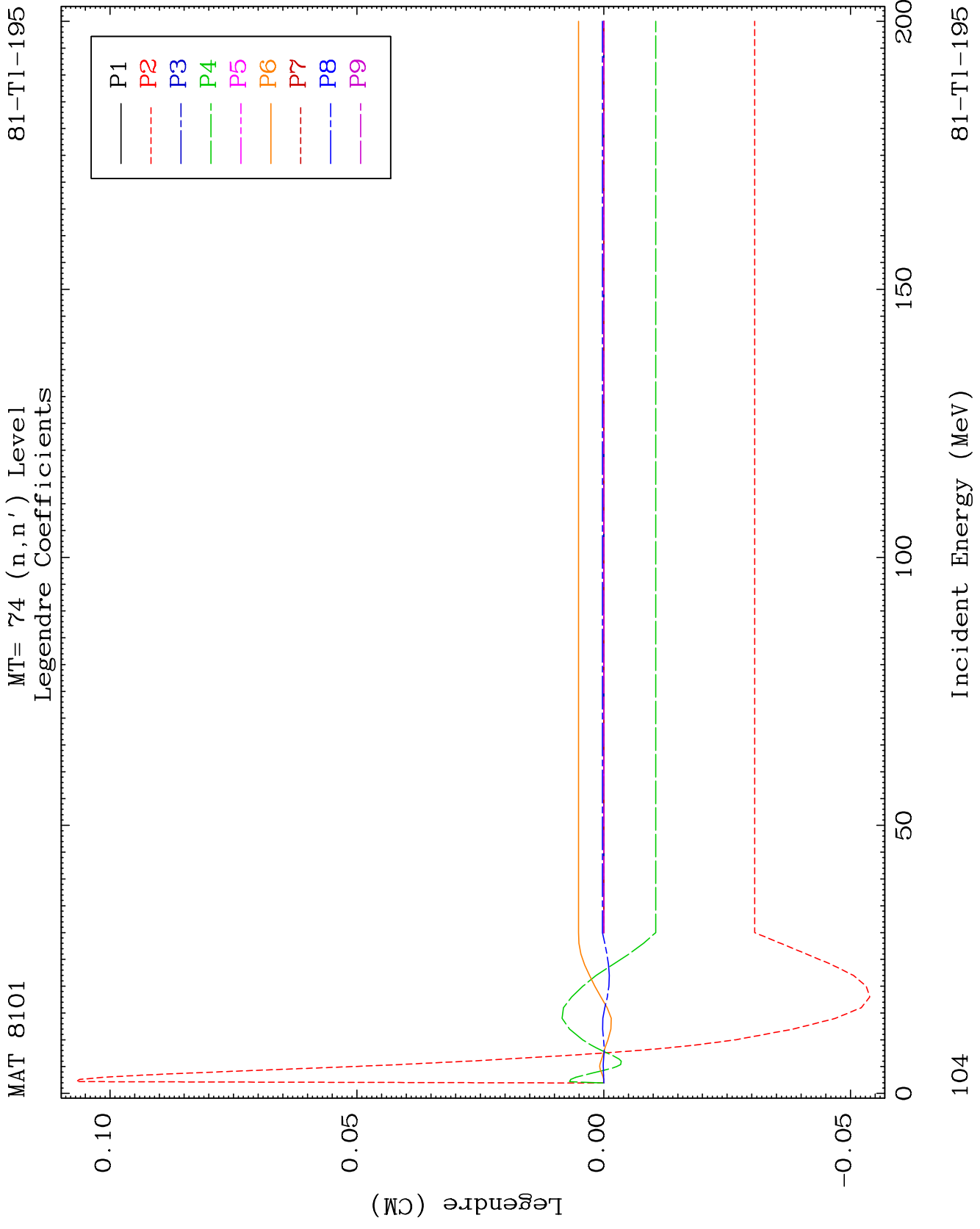
50 100 150 200

102

Incident Energy (MeV)

81-T1-195

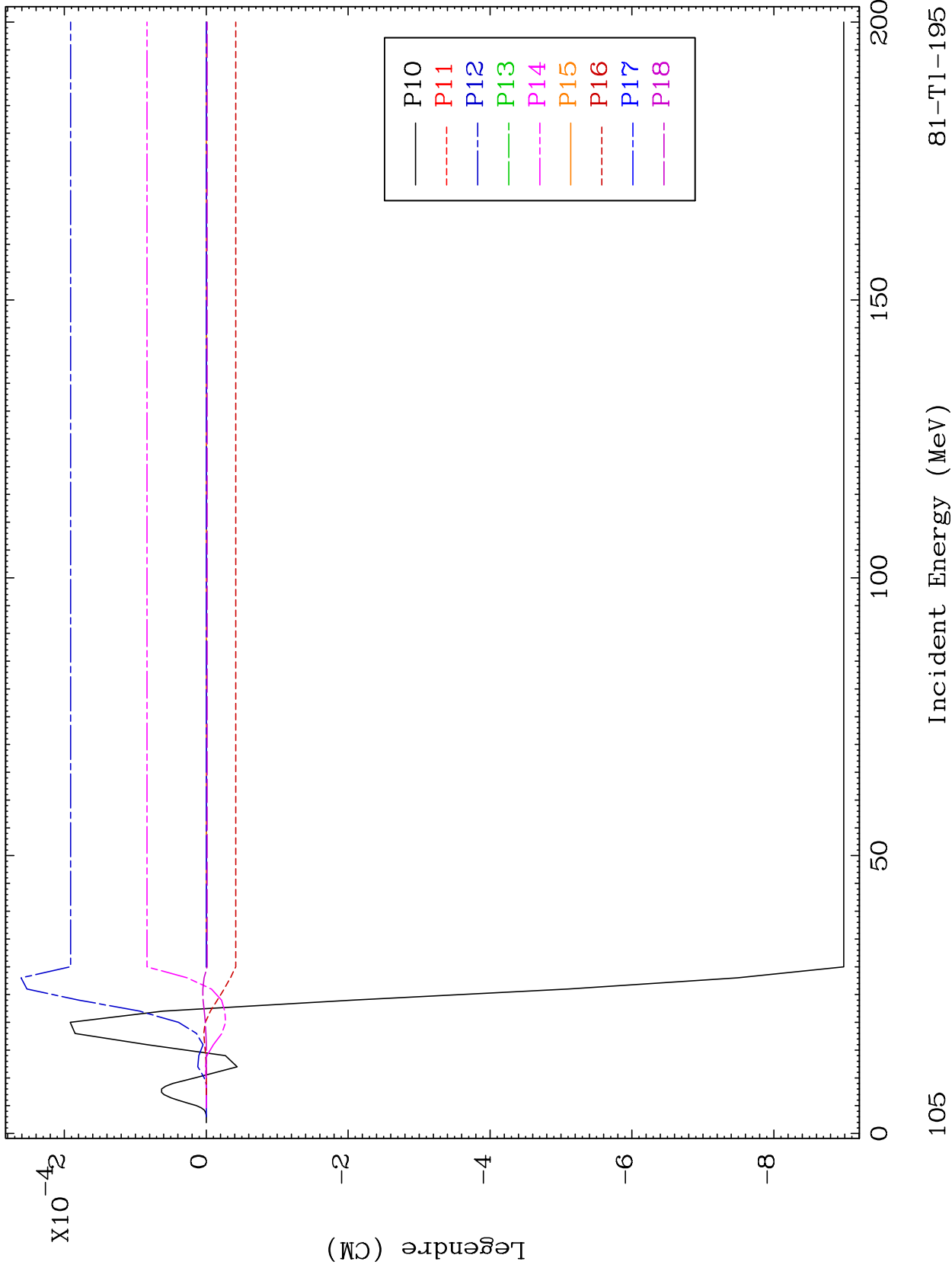




MAT 8101

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

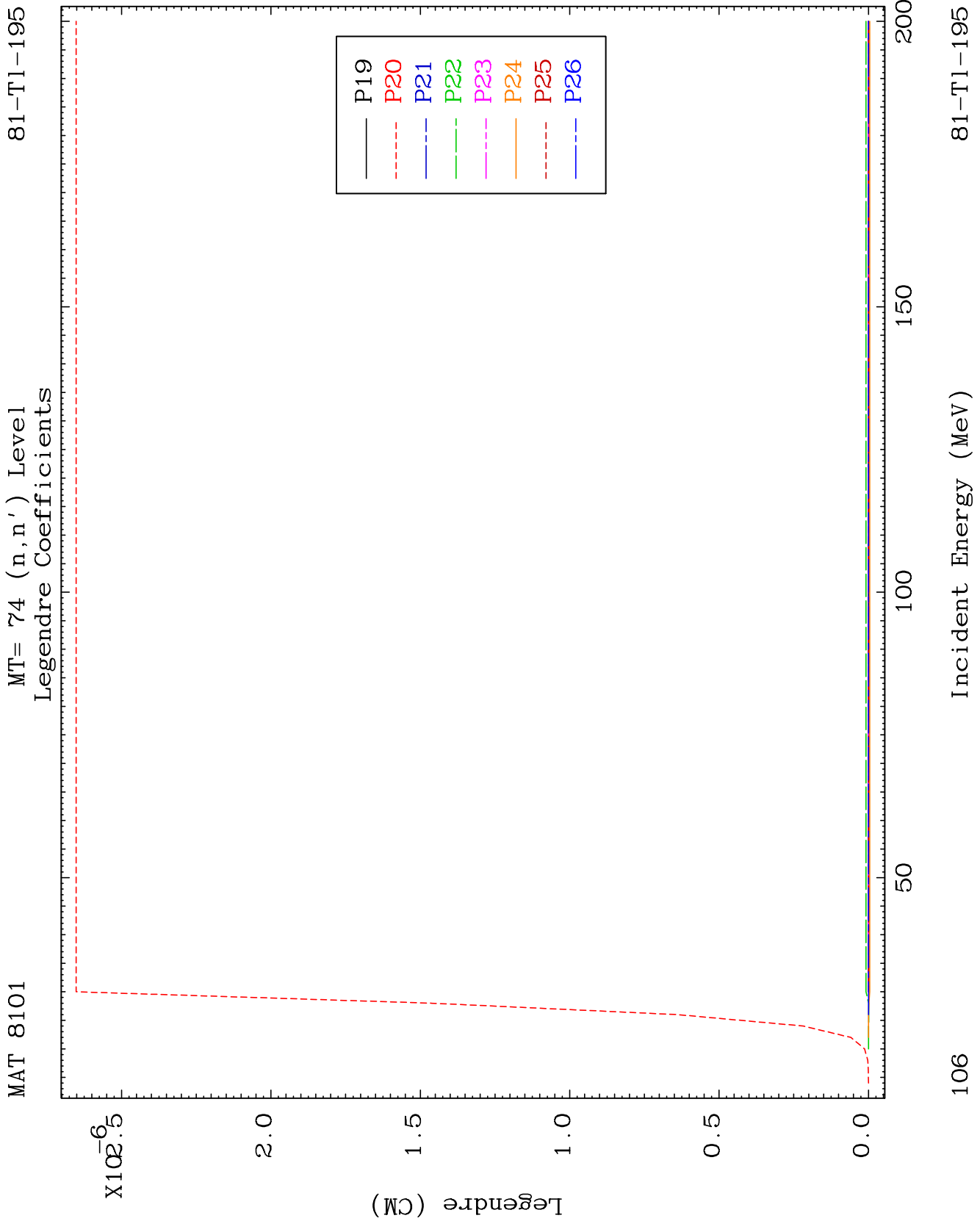
81-Tl-195



105

Incident Energy (MeV)

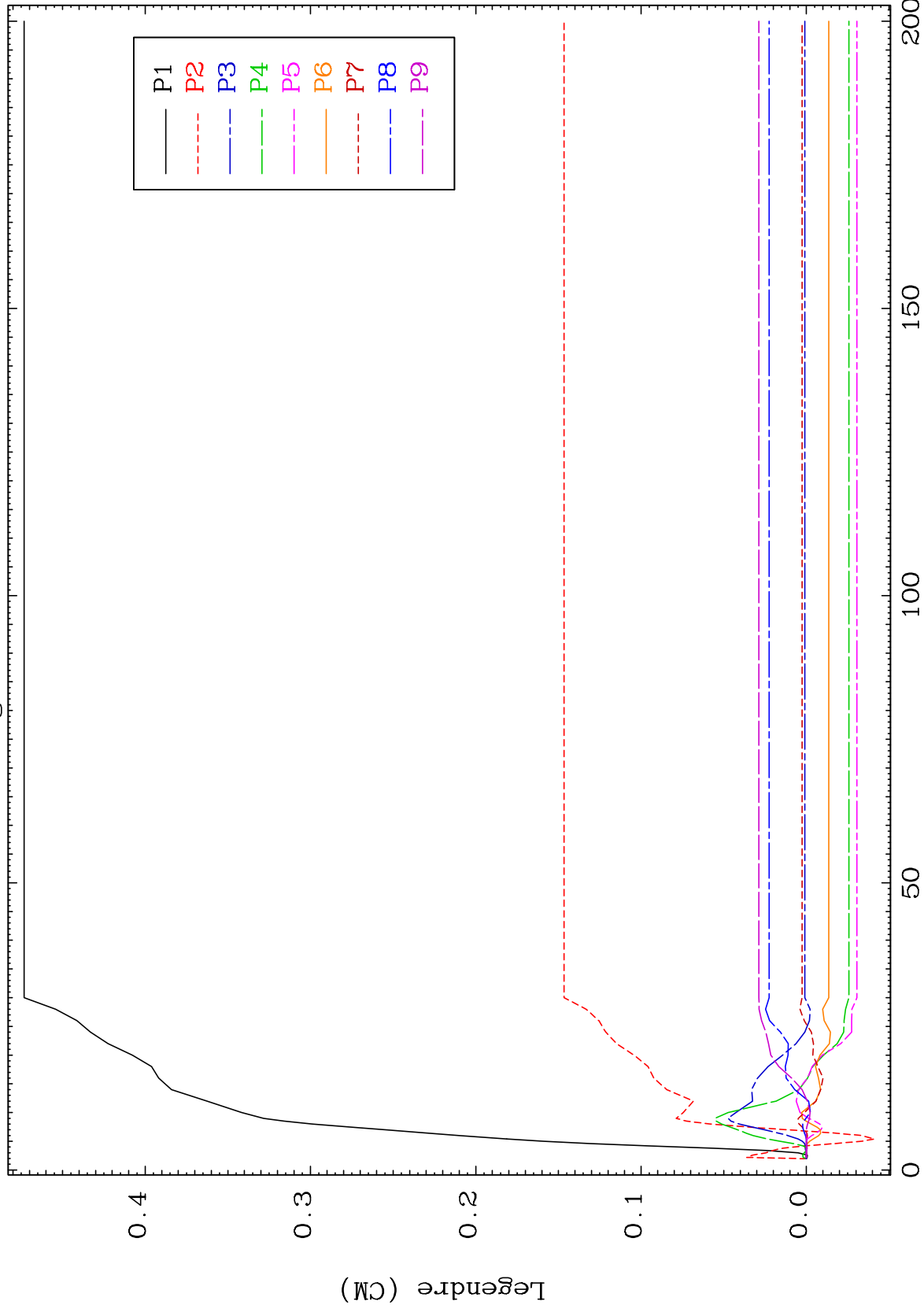
81-Tl-195



MAT 8101

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

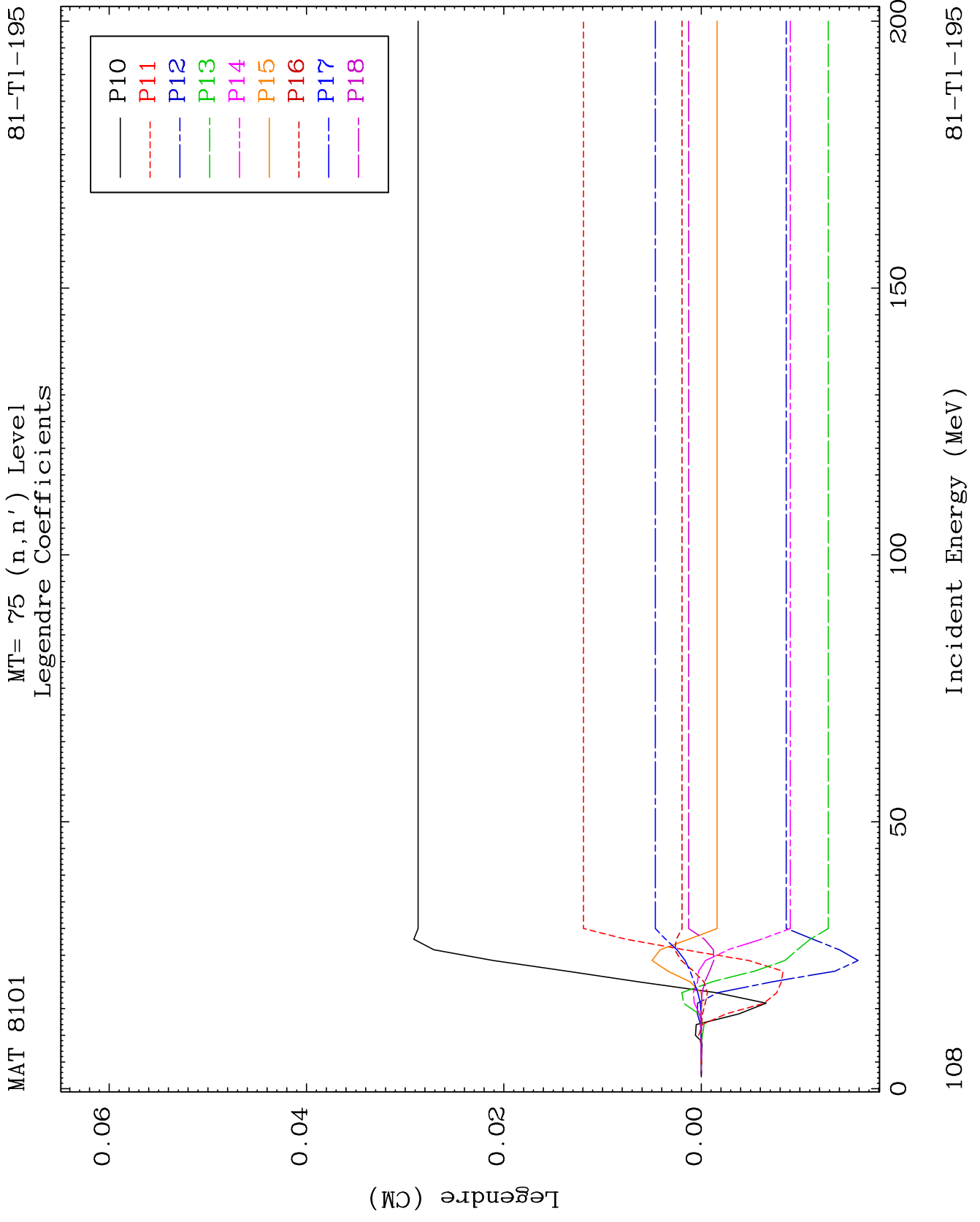
81-T1-195

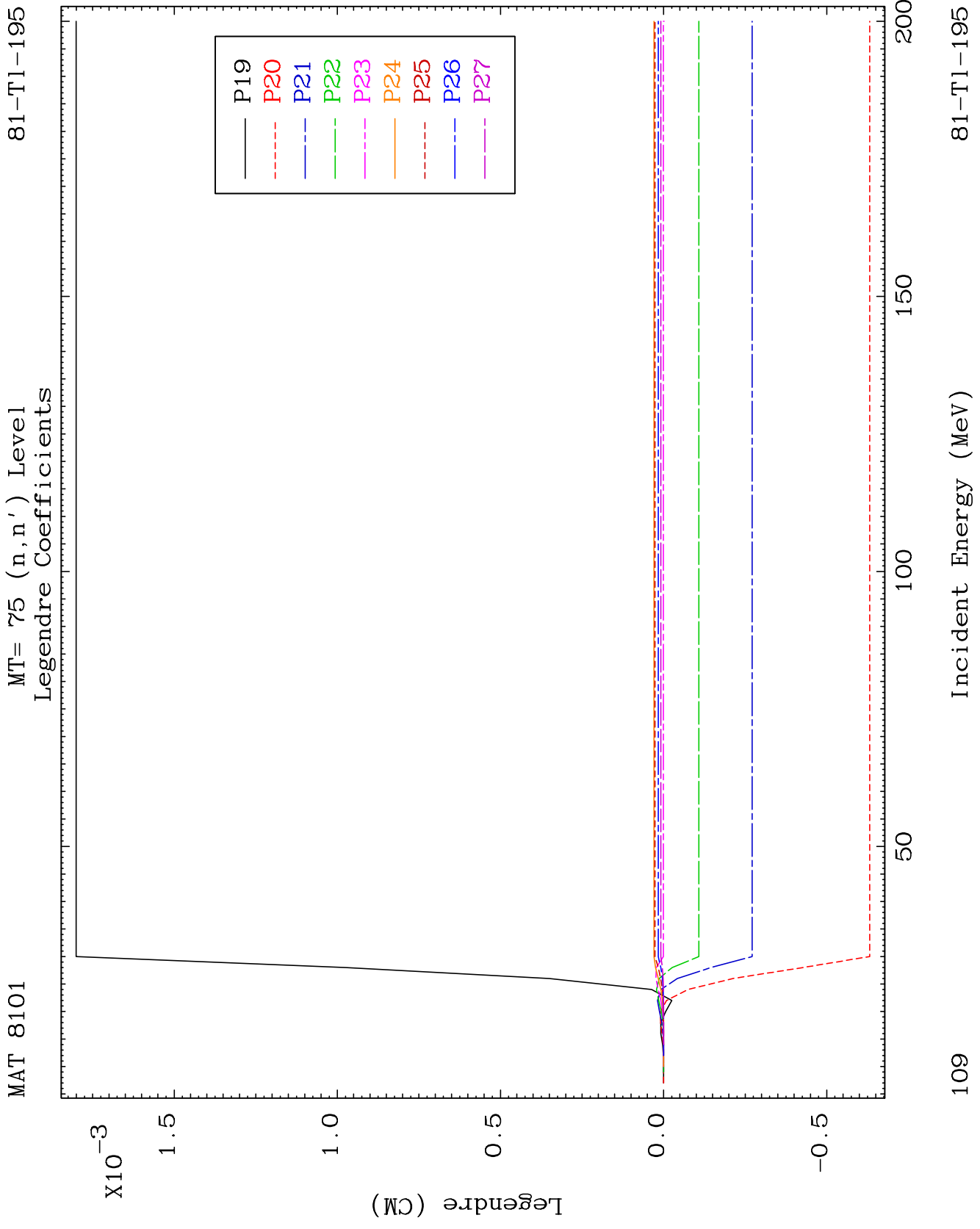


107

Incident Energy (MeV)

81-T1-195

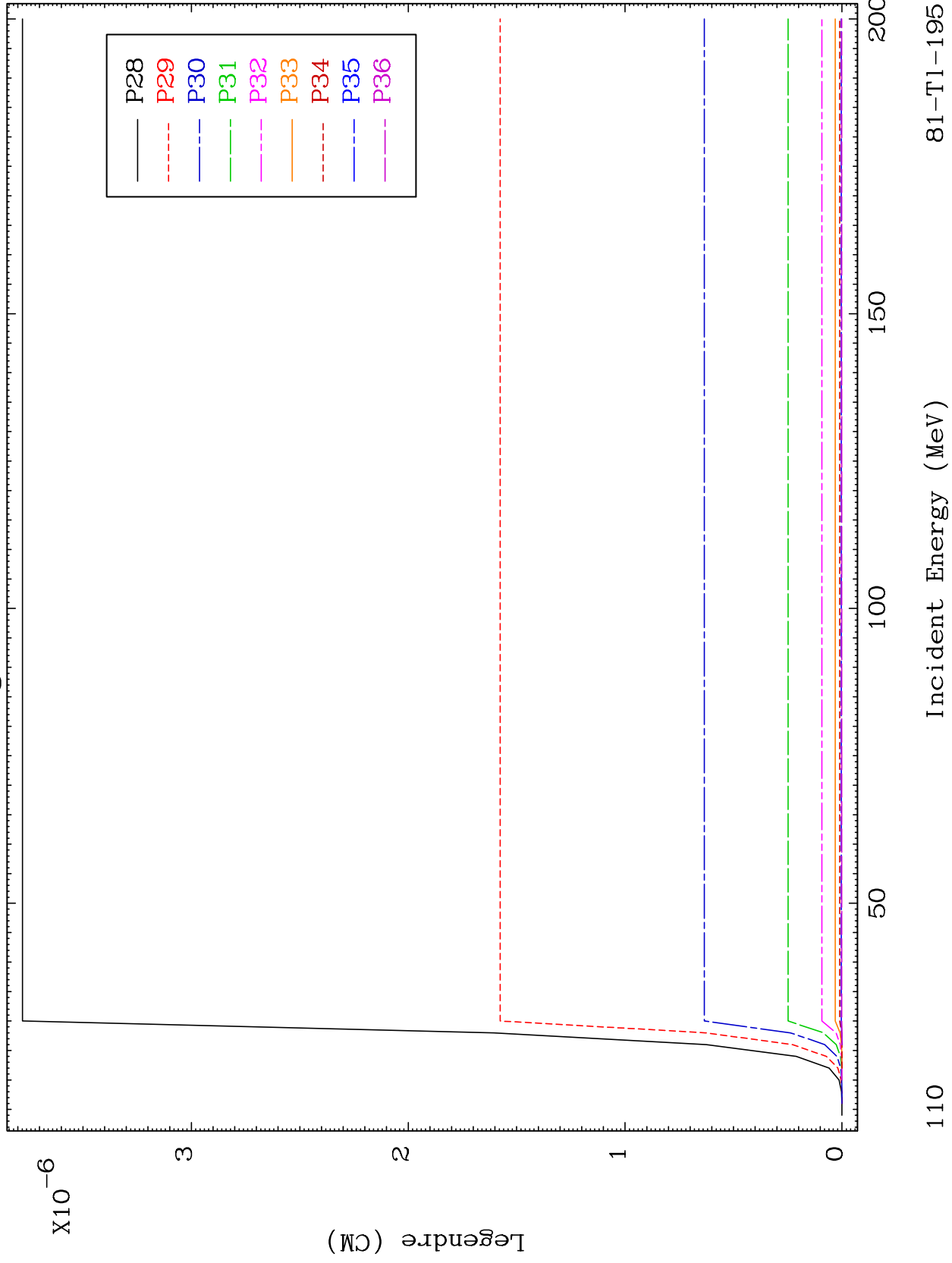


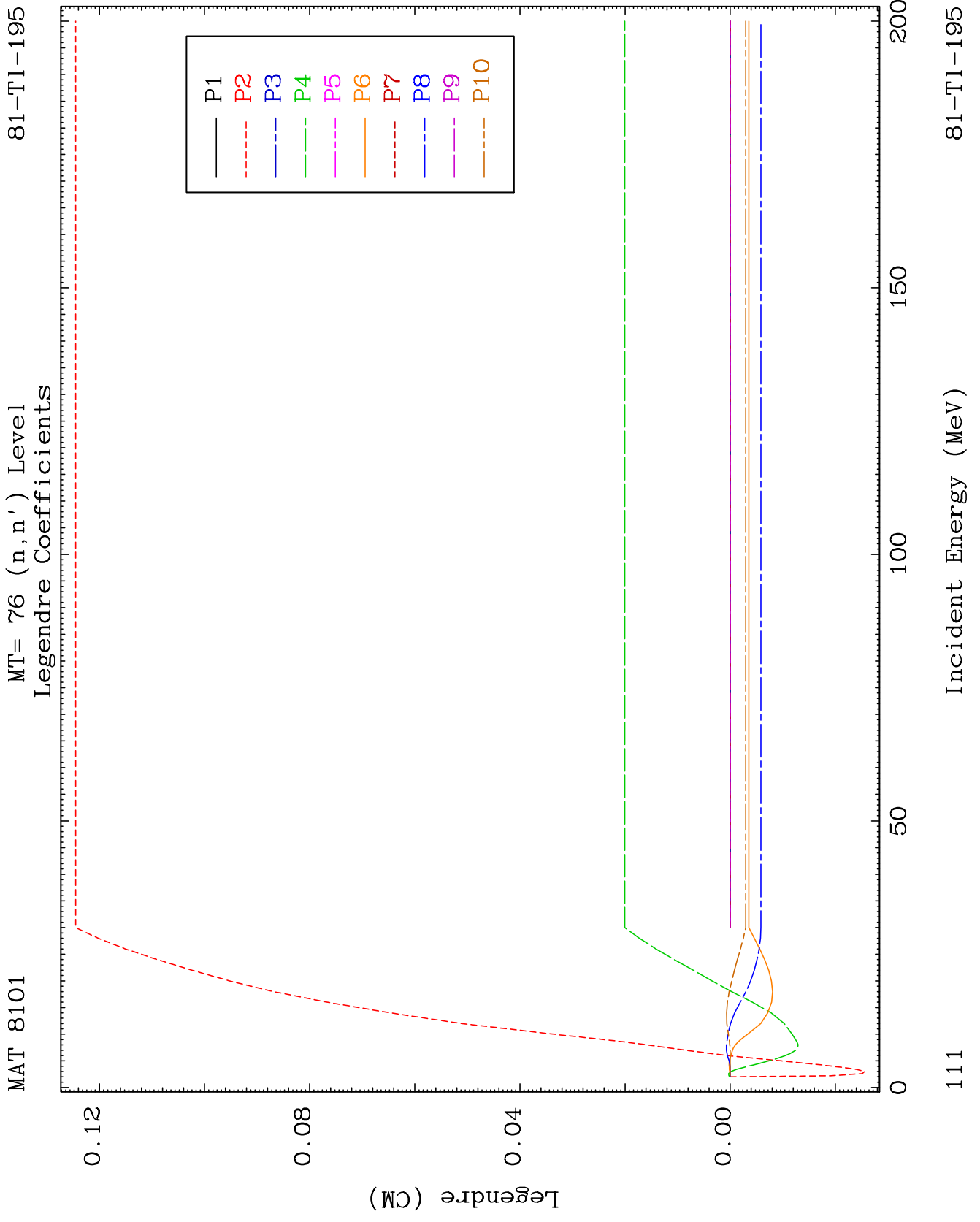


MAT 8101

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

81-T1-195

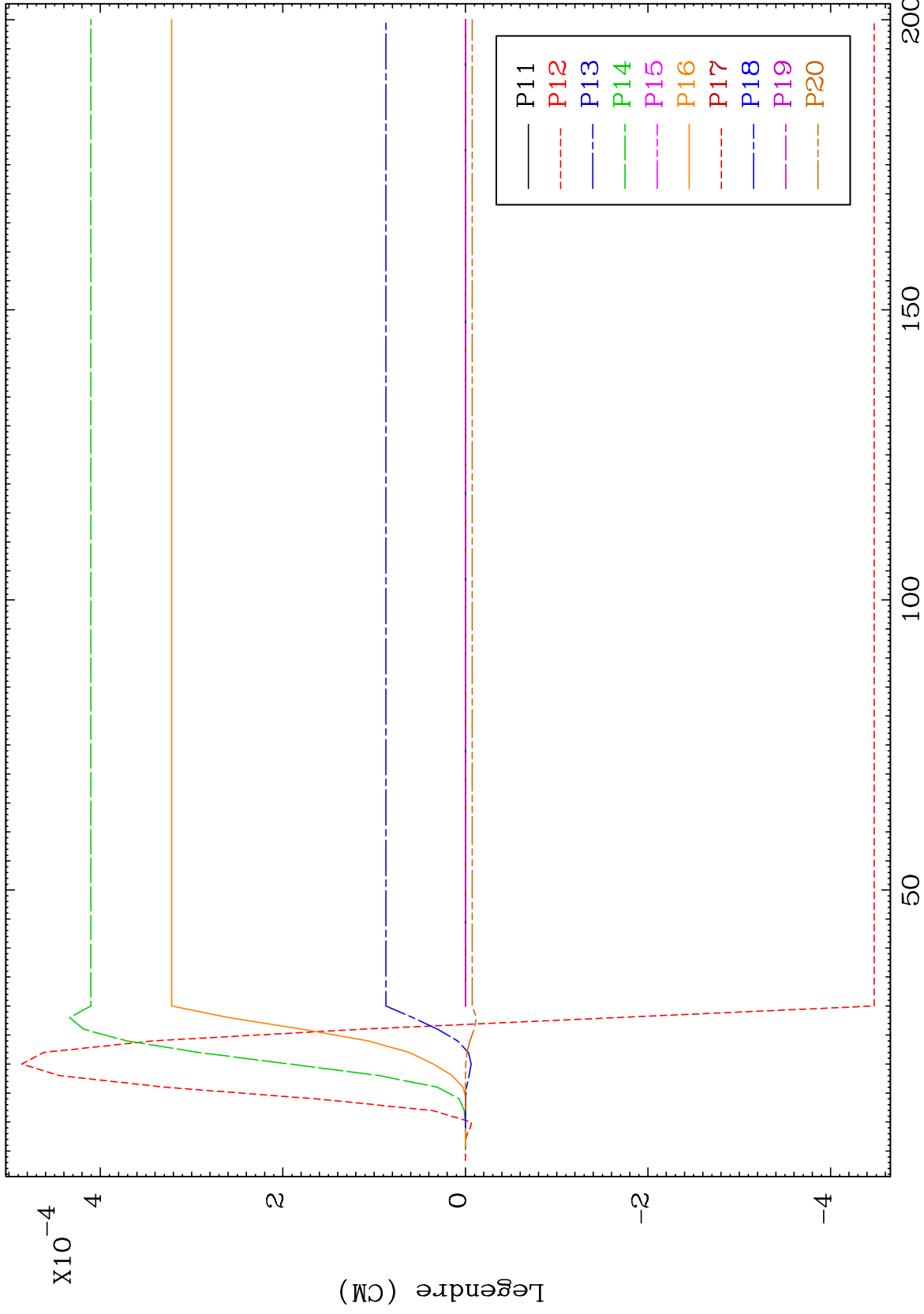




MAT 8101

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

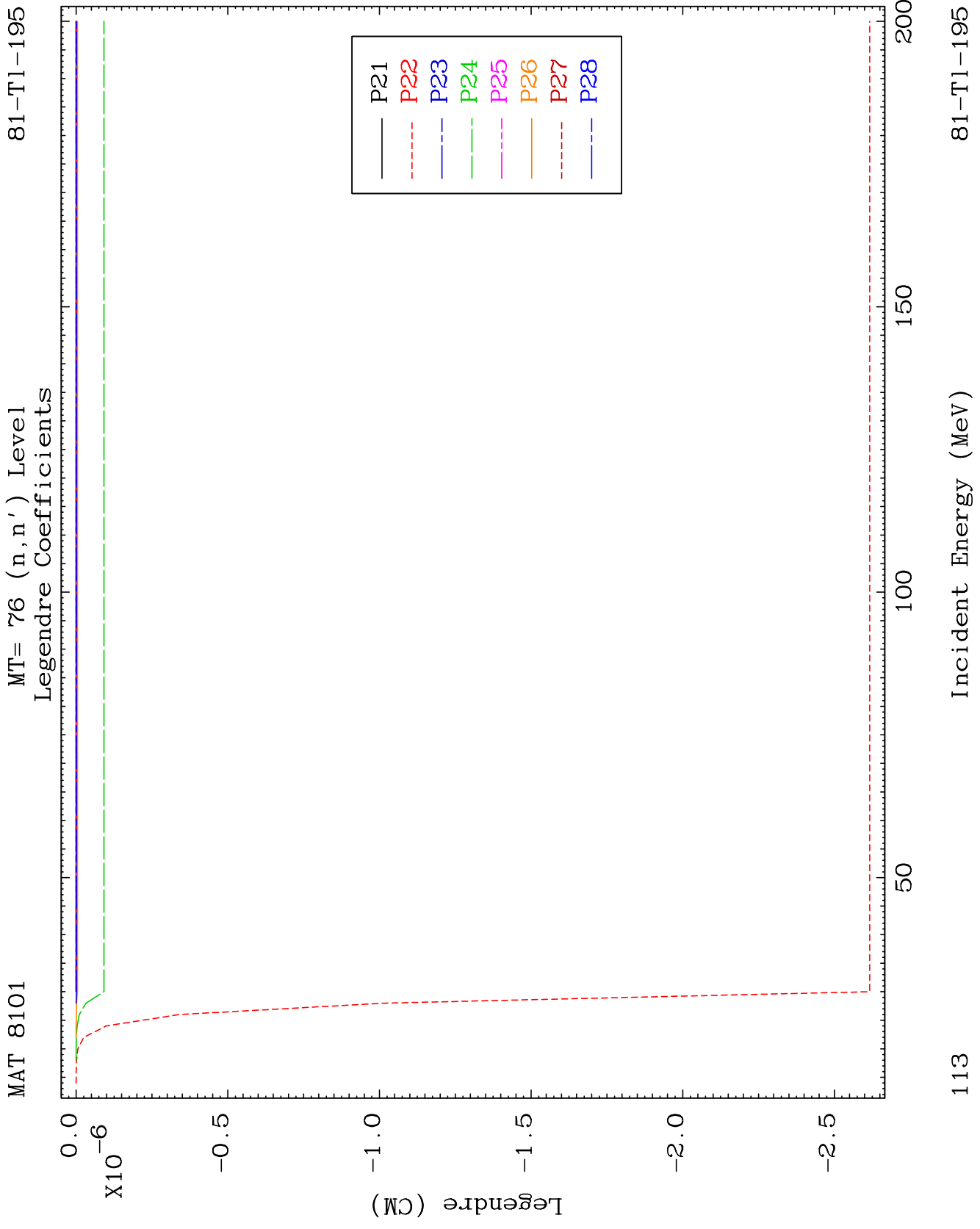
81-T1-195



112

Incident Energy (MeV)

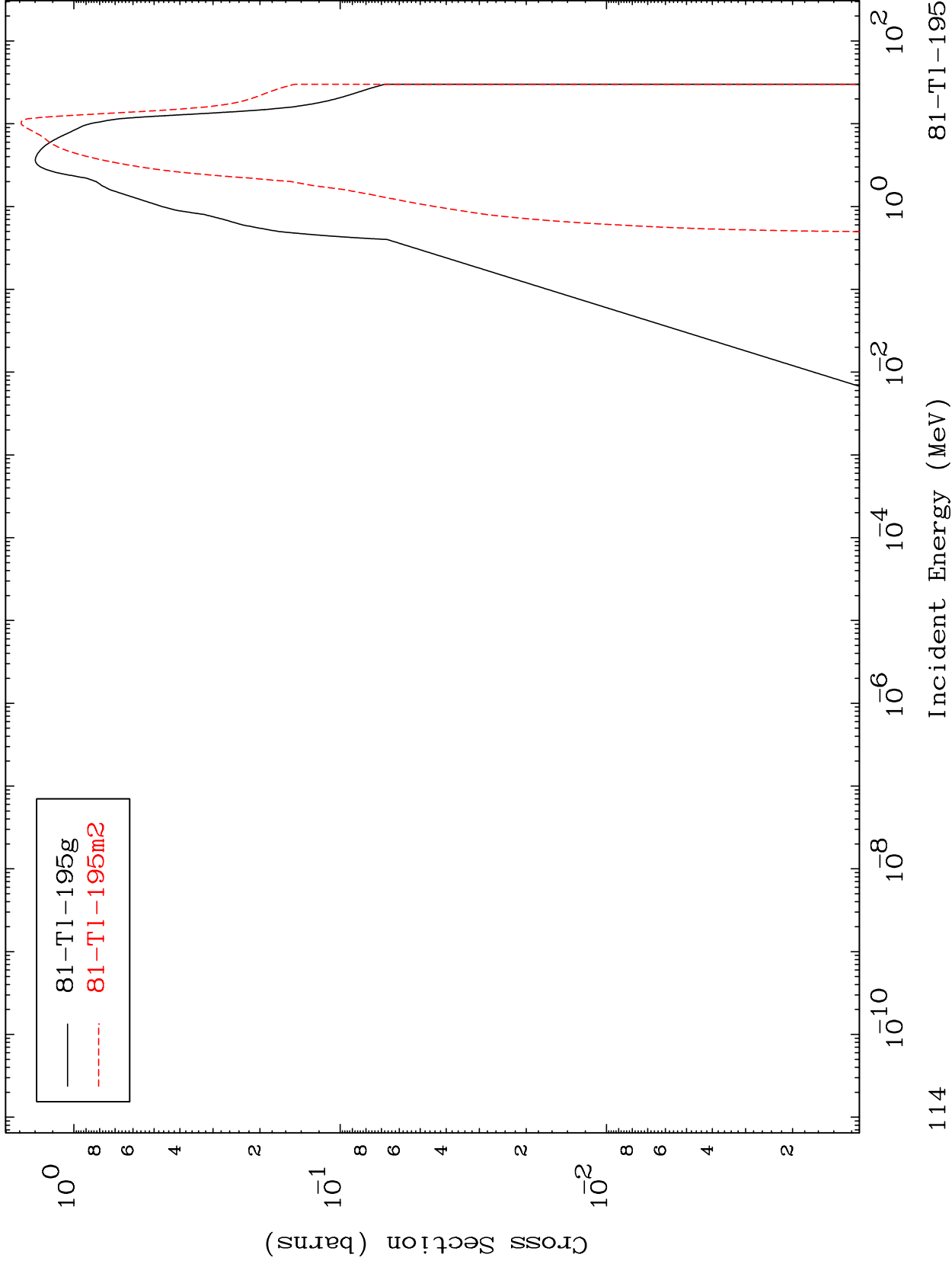
81-T1-195



MAT 8101

Inelastic
Radionuclide Production Cross Section

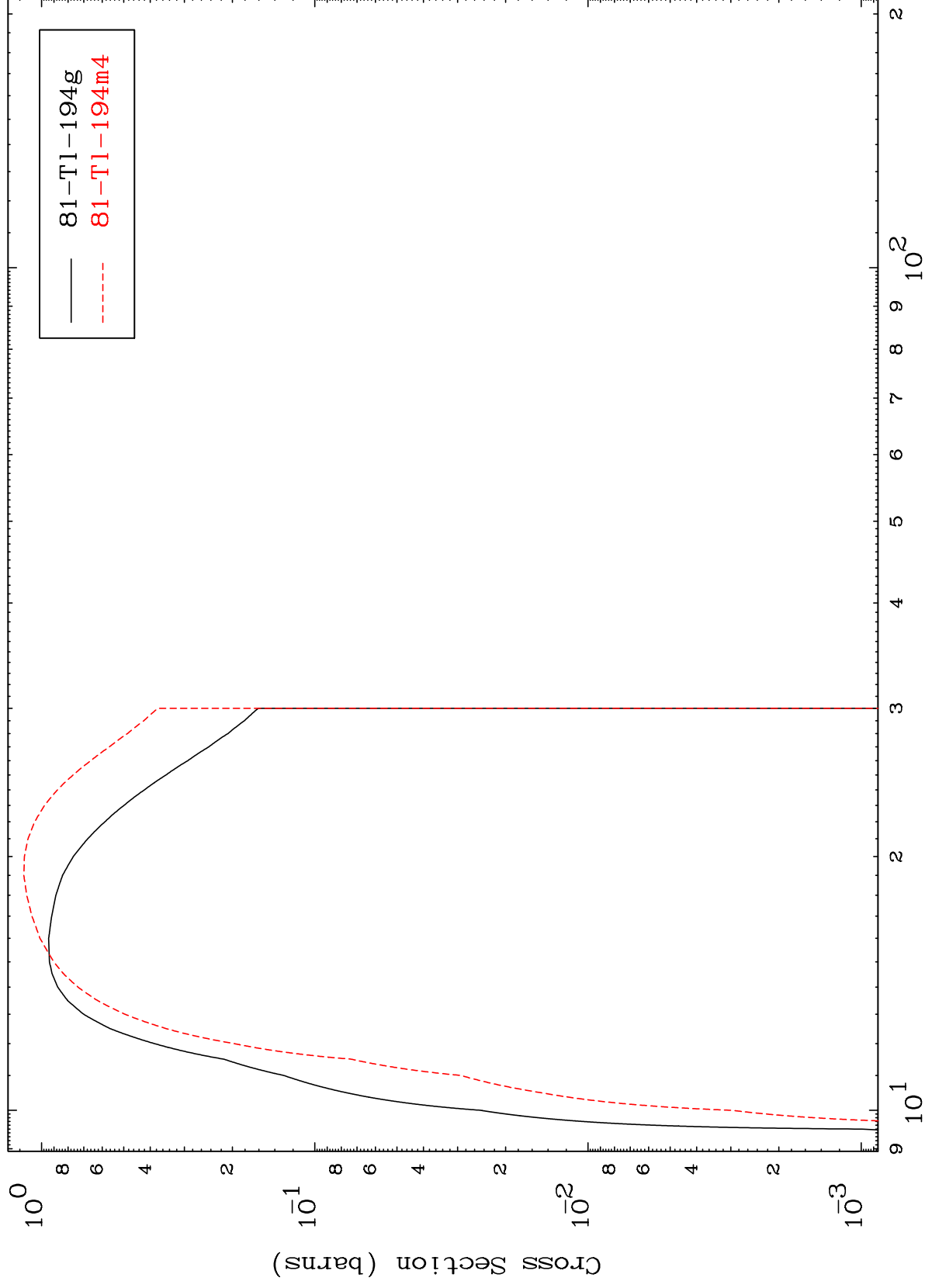
81-Tl-195



MAT 8101

81-Tl-195

(n,2n)
Radionuclide Production Cross Section

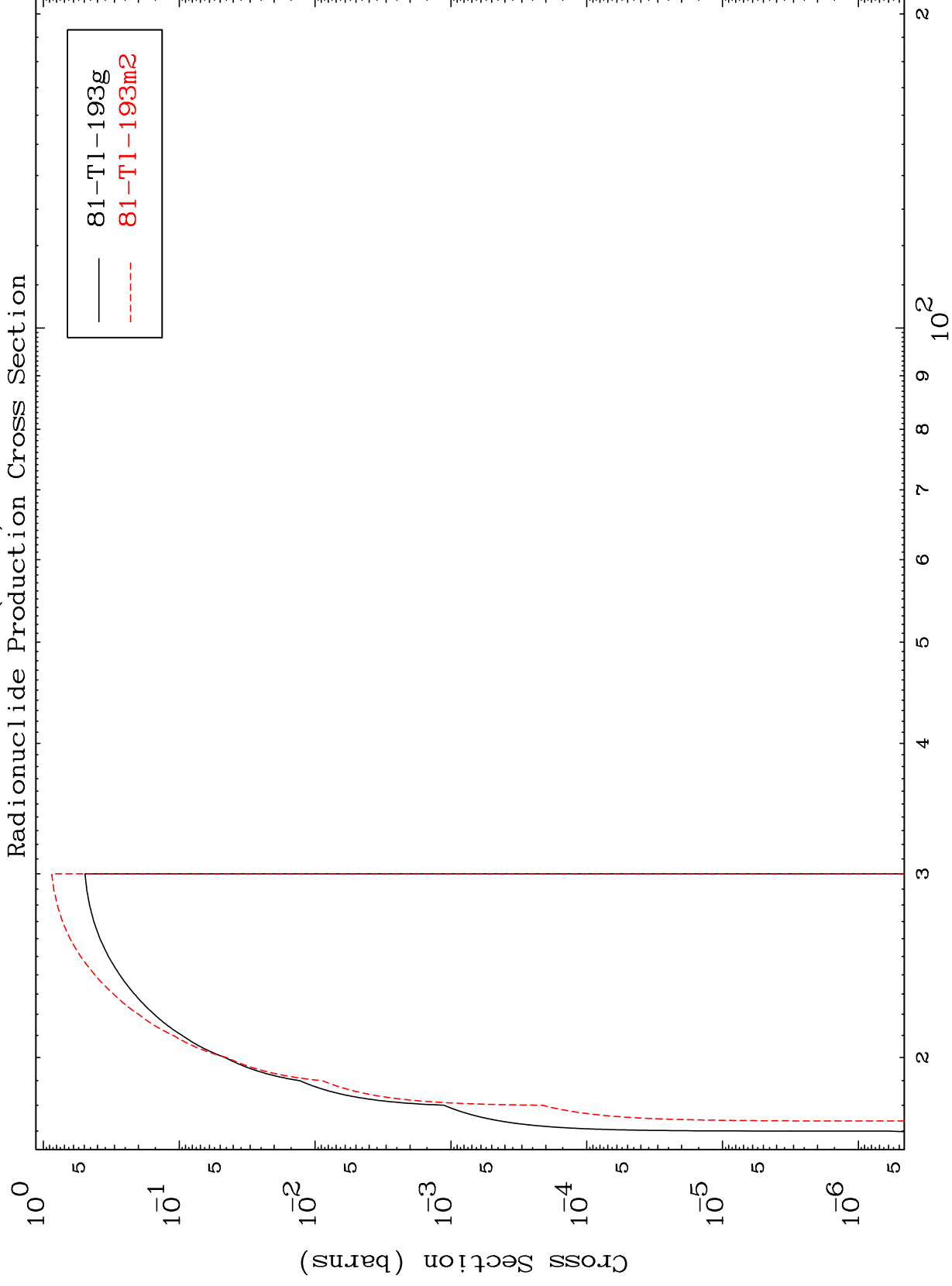


81-Tl-195

Incident Energy (MeV)

115

(n,3n)
Radionuclide Production Cross Section

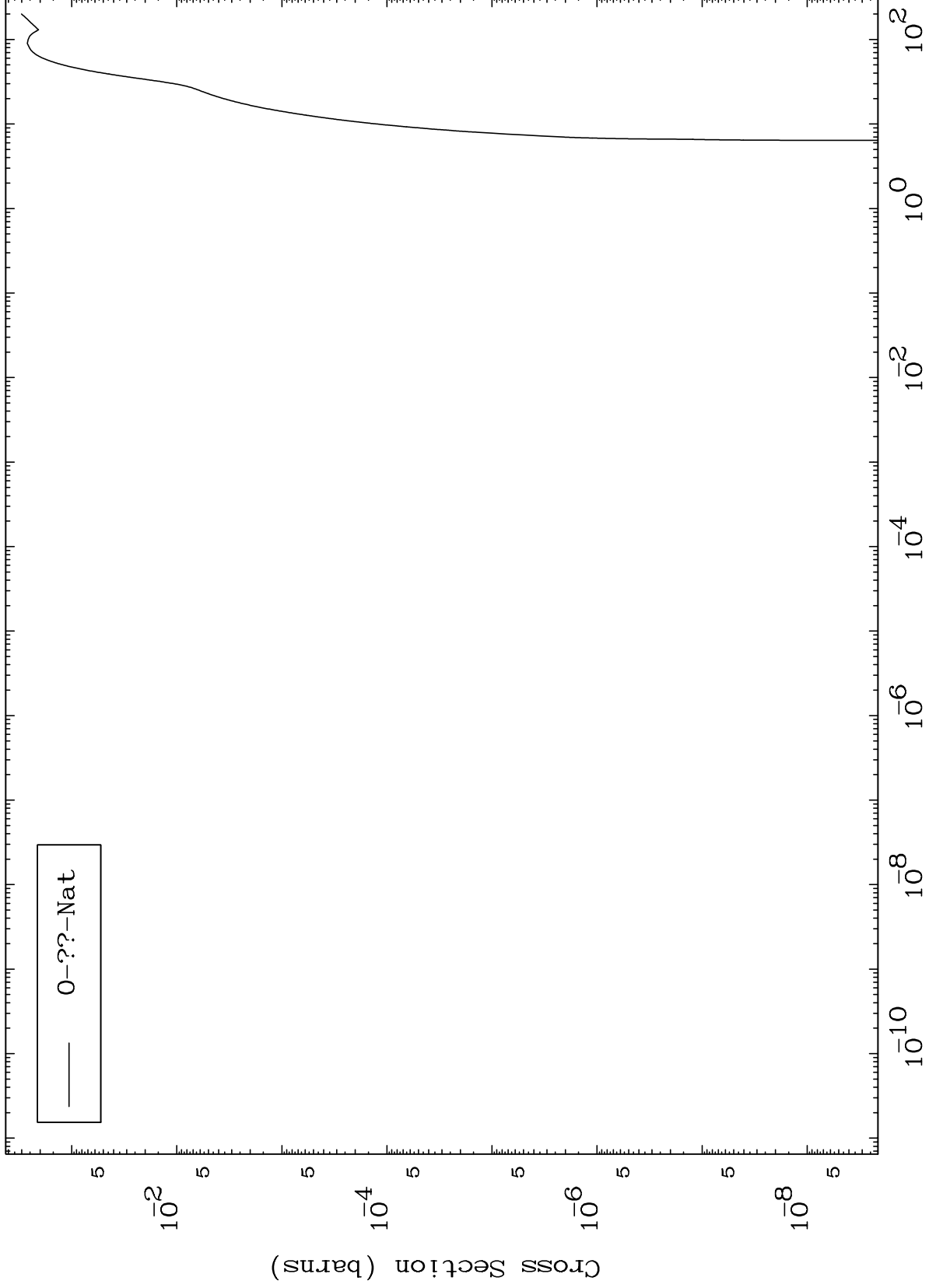


MAT 8101

Fission

81-Tl-195

Radionuclide Production Cross Section



117

Incident Energy (MeV)

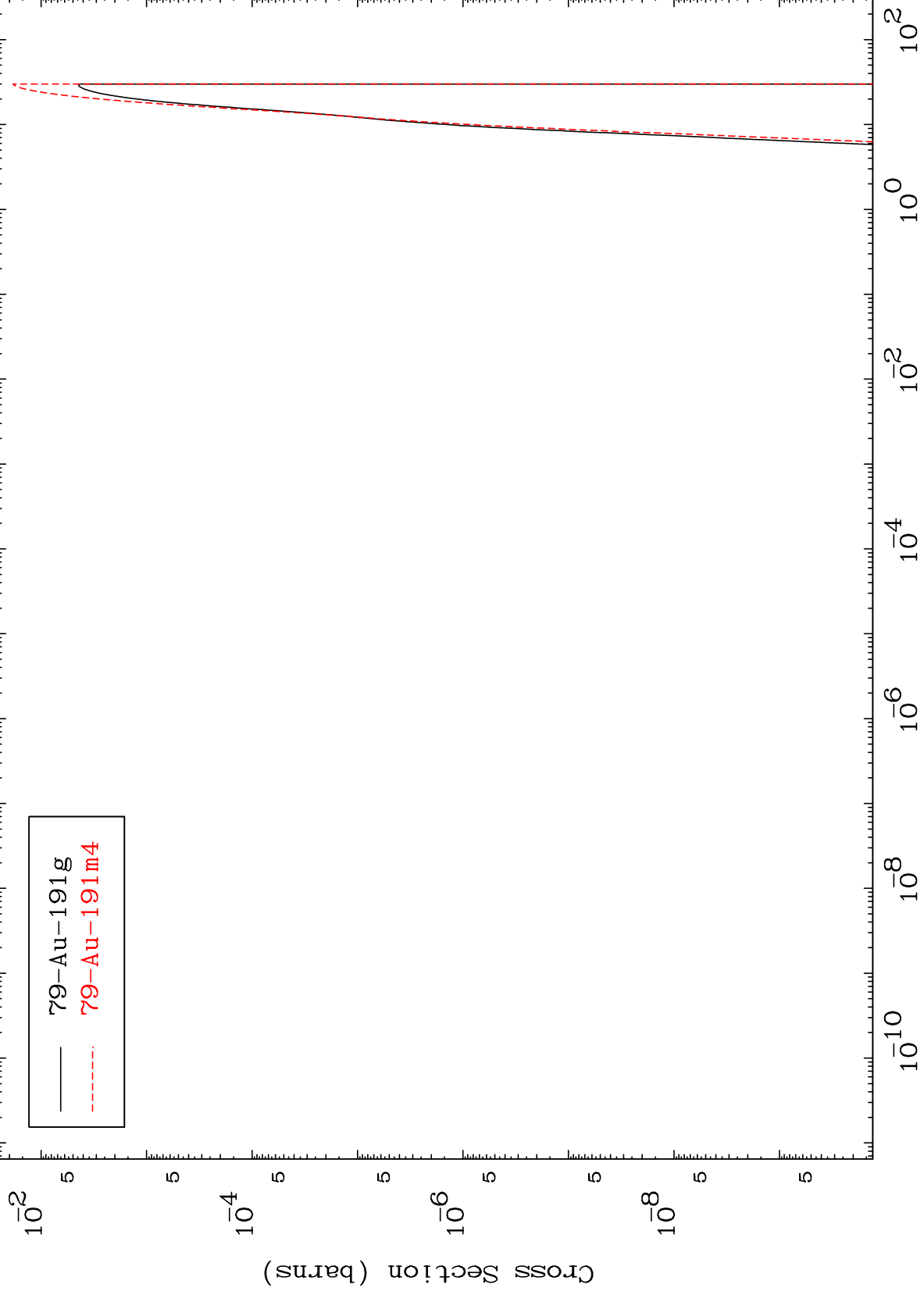
81-Tl-195

MAT 8101

$(n, n') \alpha$

81-Tl-195

Radionuclide Production Cross Section



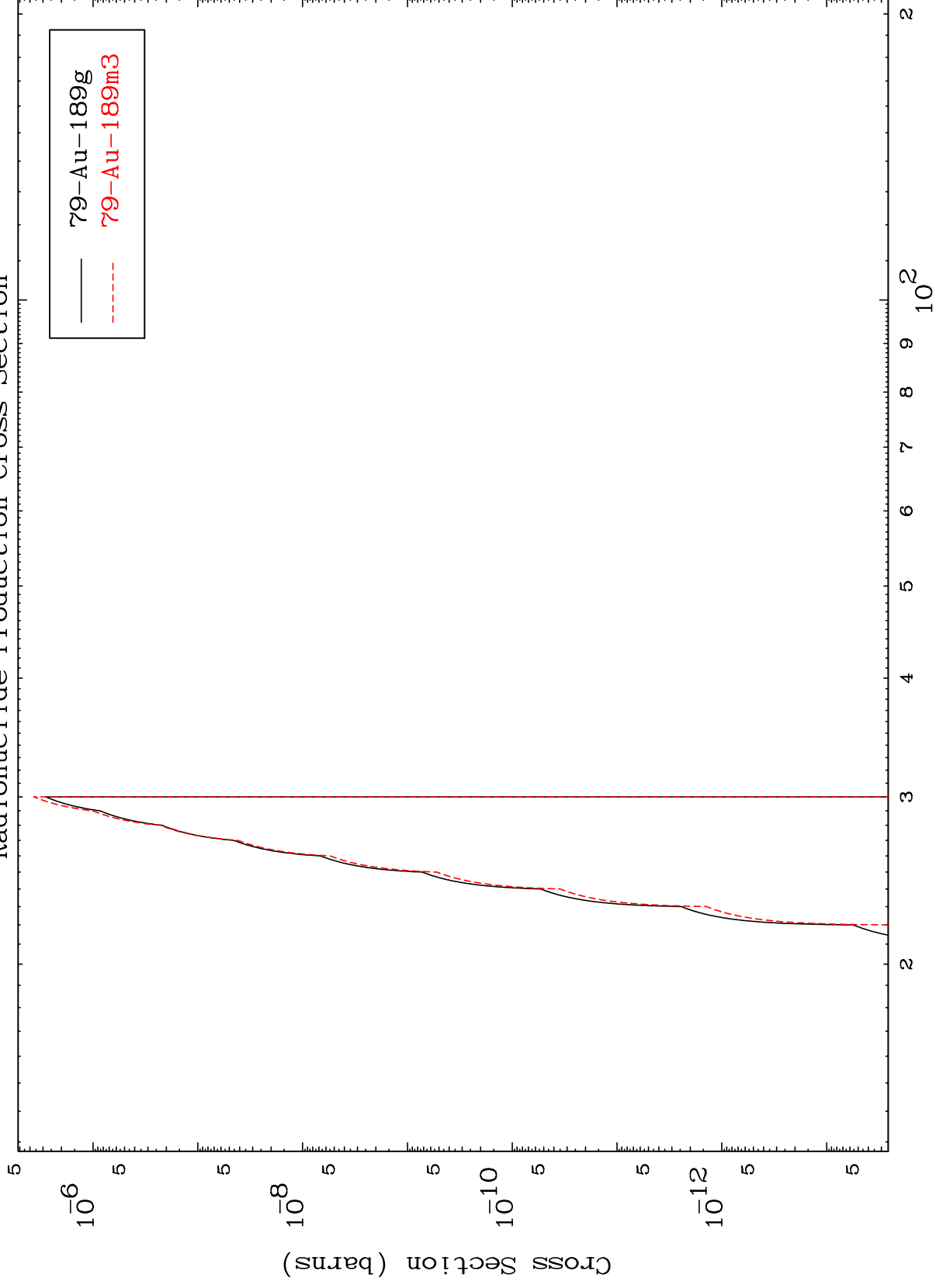
— ^{191}gAu
- - - $^{191}\text{m4Au}$

MAT 8101

(n,3n) α

81-Tl-195

Radionuclide Production Cross Section



119

Incident Energy (MeV)

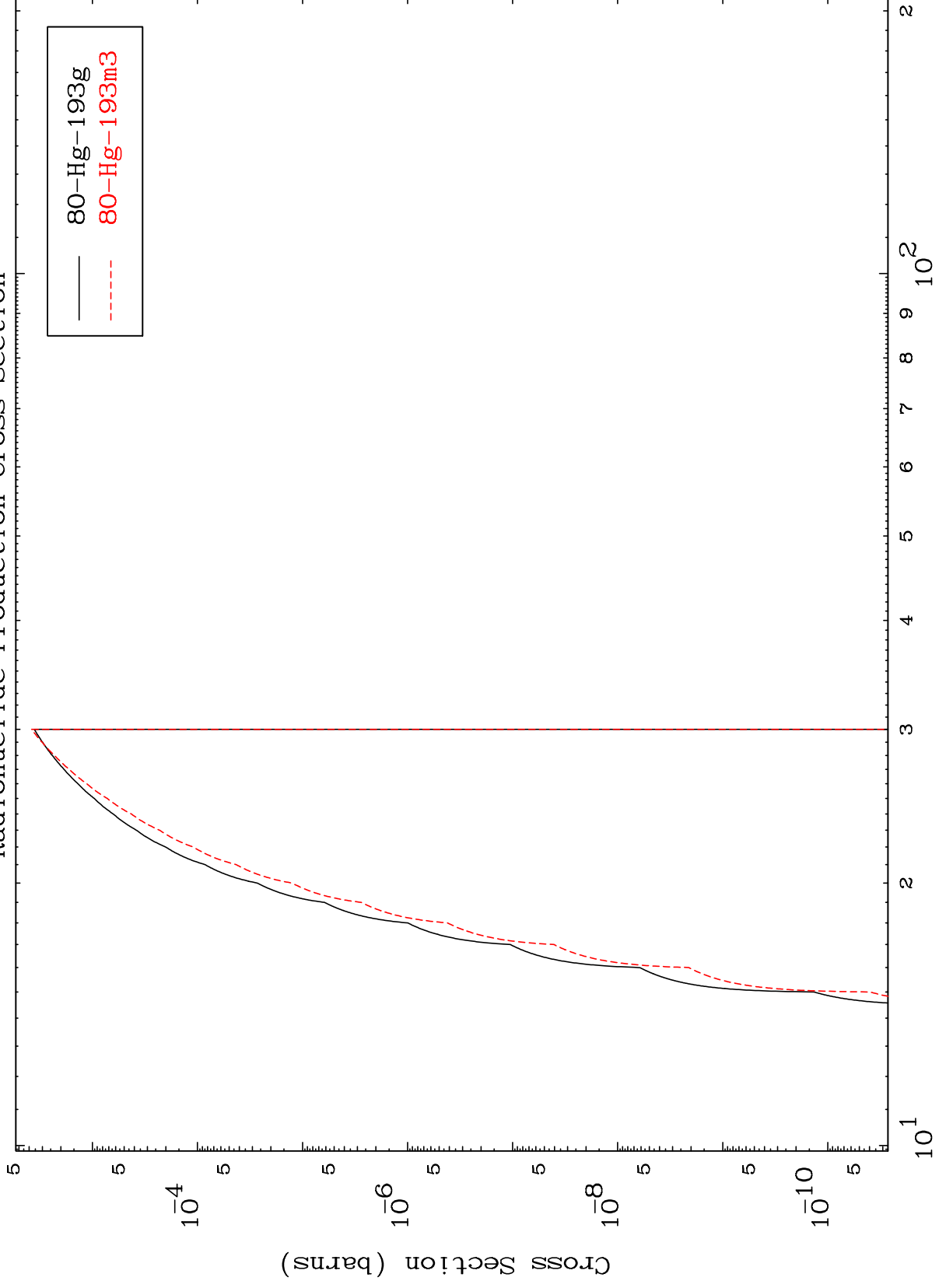
81-Tl-195

MAT 8101

(n,n') d

81-Tl-195

Radionuclide Production Cross Section



120

Incident Energy (MeV)

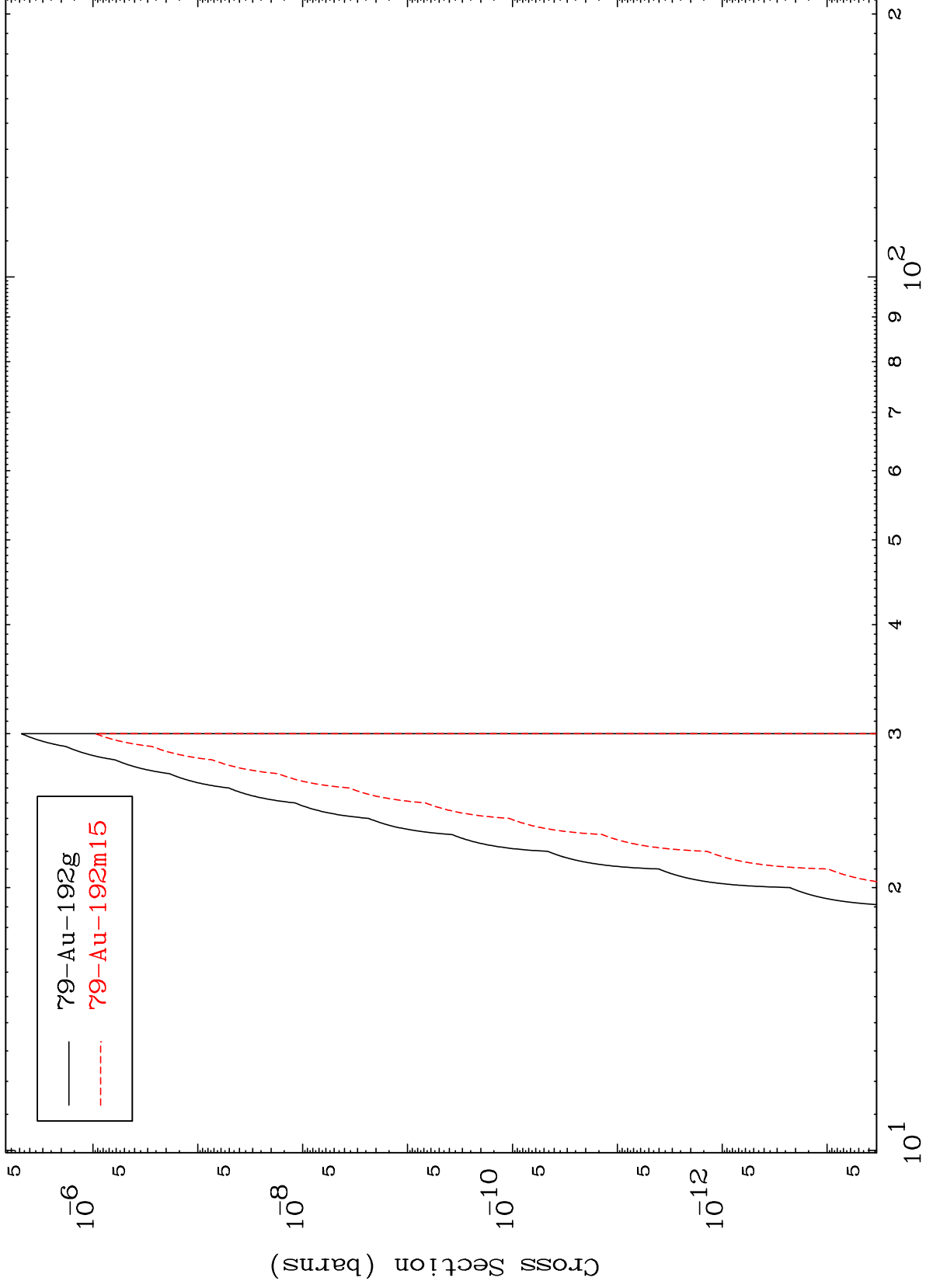
81-Tl-195

MAT 8101

(n,n') He-3

81-Tl-195

Radionuclide Production Cross Section



121

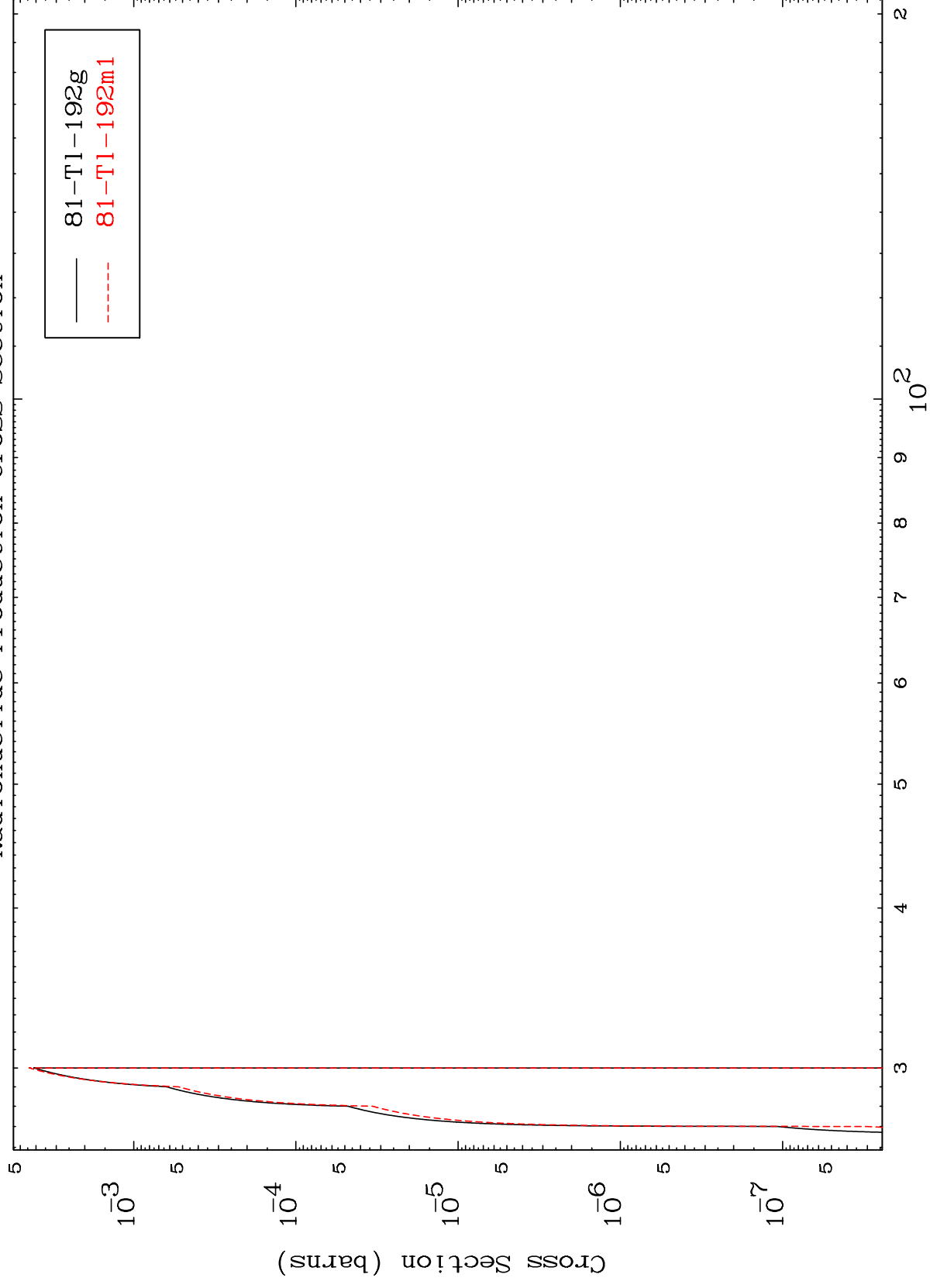
Incident Energy (MeV)

81-Tl-195

MAT 8101

81-Tl-195

(n,4n)
Radionuclide Production Cross Section

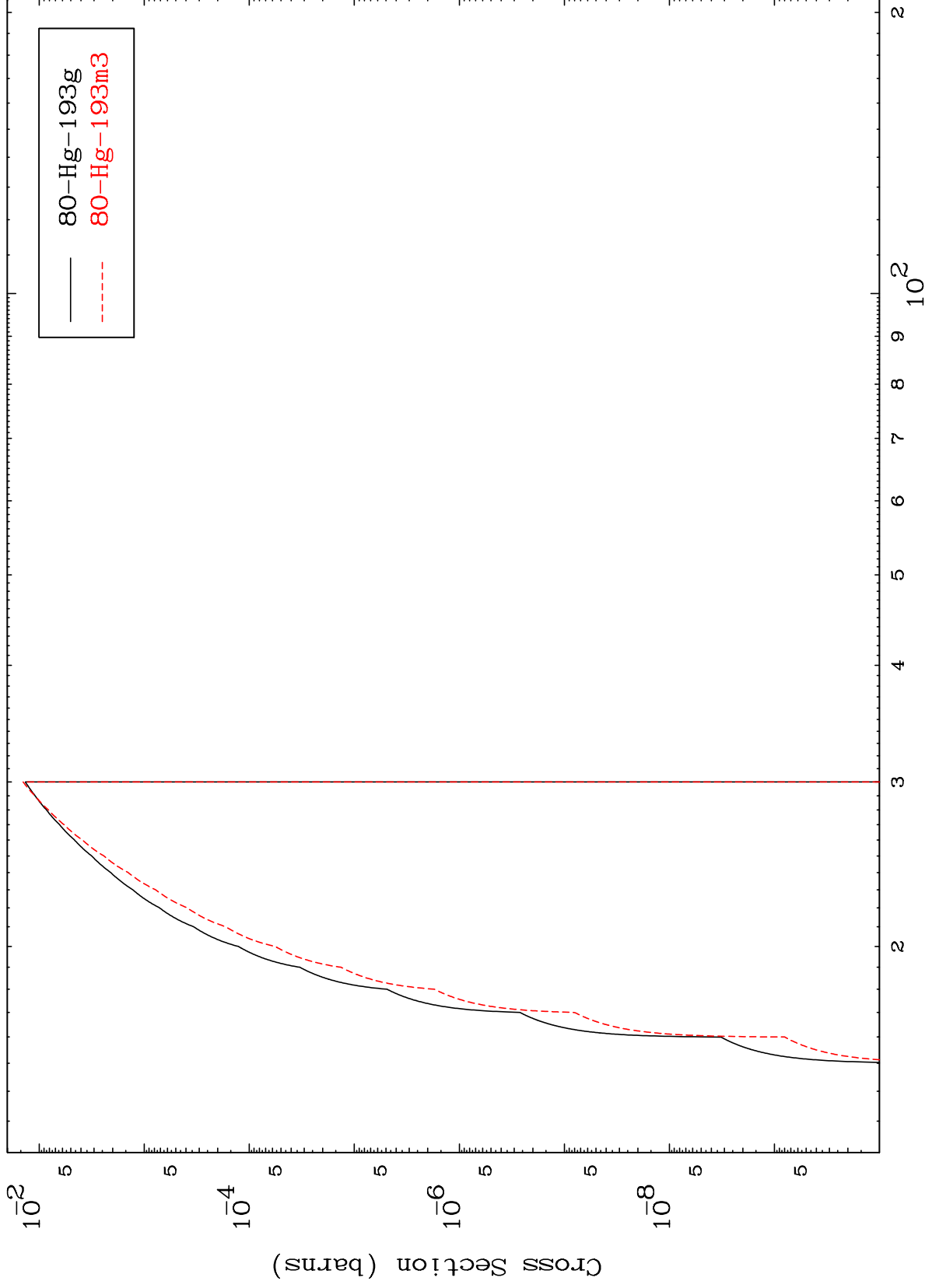


81-Tl-195

Incident Energy (MeV)

122

Radionuclide Production Cross Section

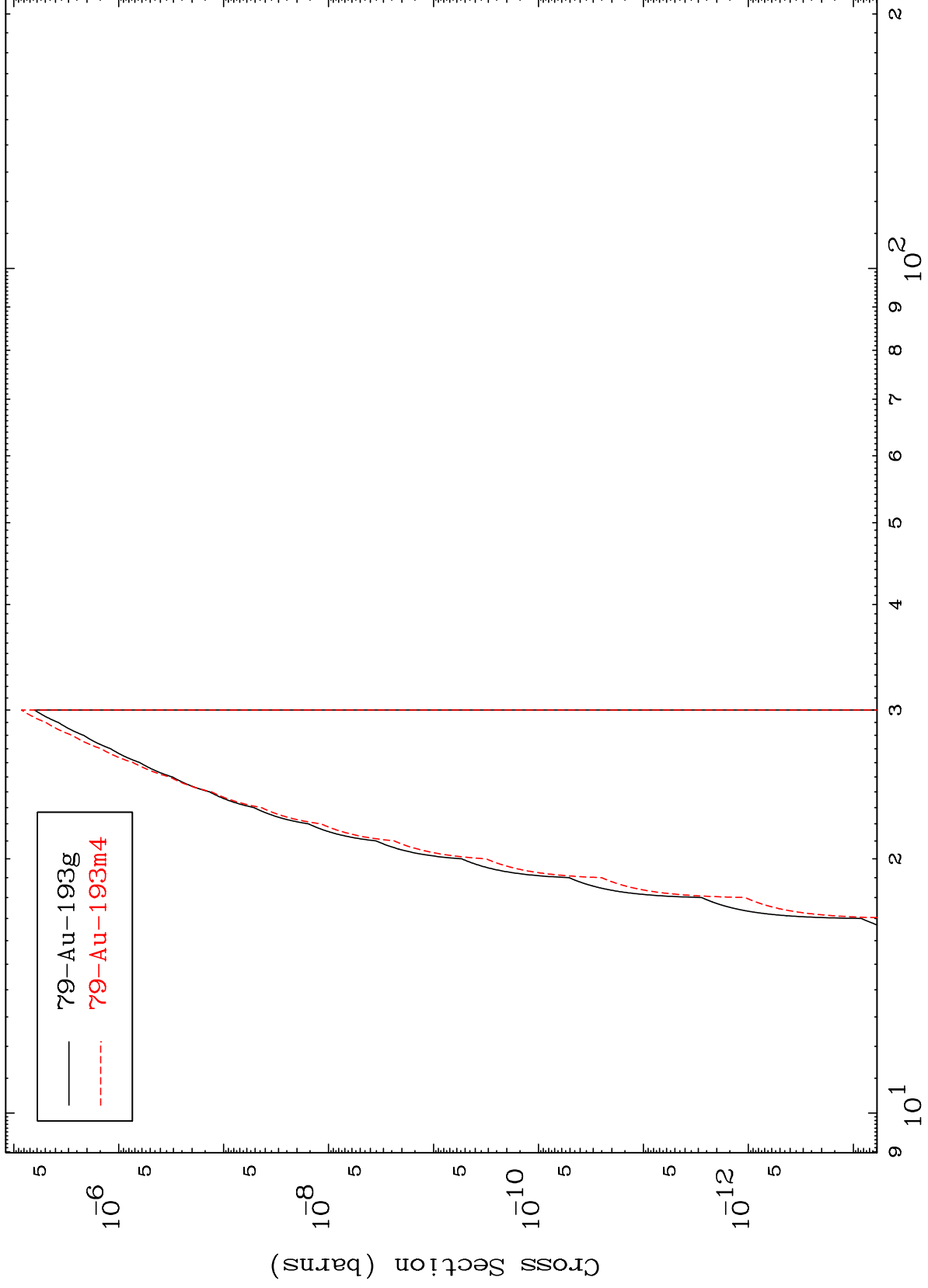


MAT 8101

(n,2n) p

81-Tl-195

Radionuclide Production Cross Section



79-Au-193g
79-Au-193m4

124

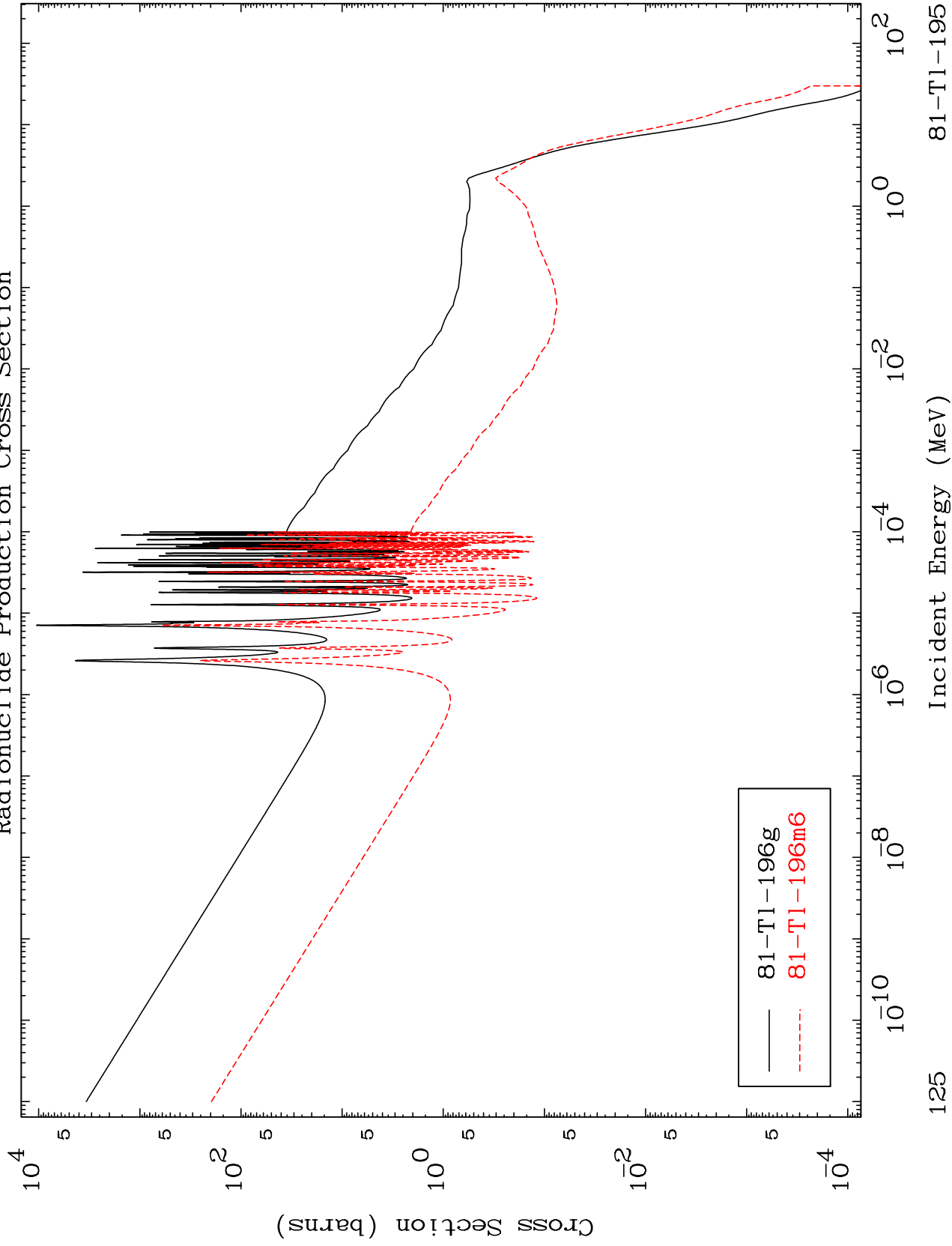
Incident Energy (MeV)

81-Tl-195

MAT 8101

81-Tl-195

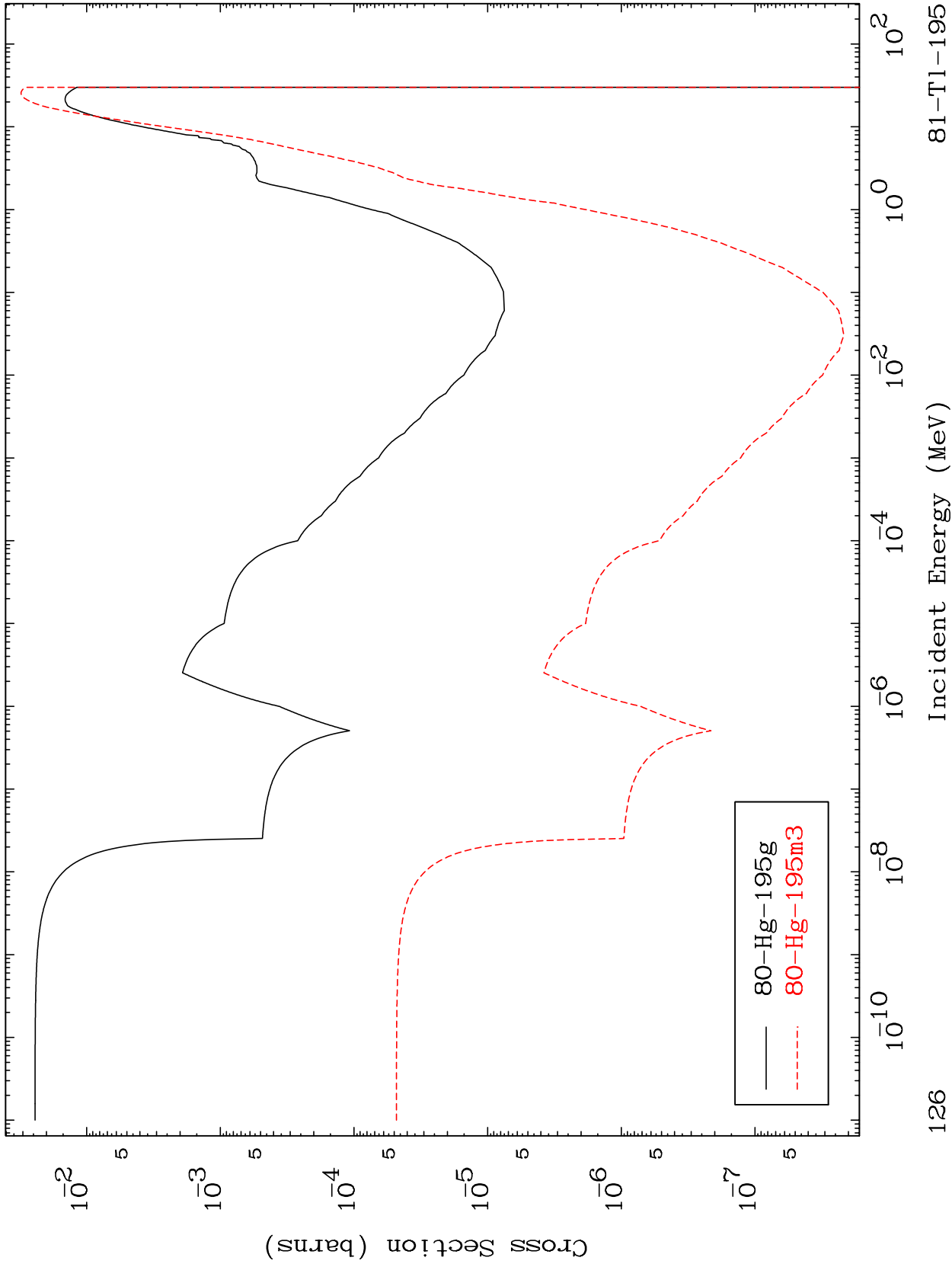
(n, γ)
Radionuclide Production Cross Section



MAT 8101

81-Tl-195

(n,p)
Radionuclide Production Cross Section



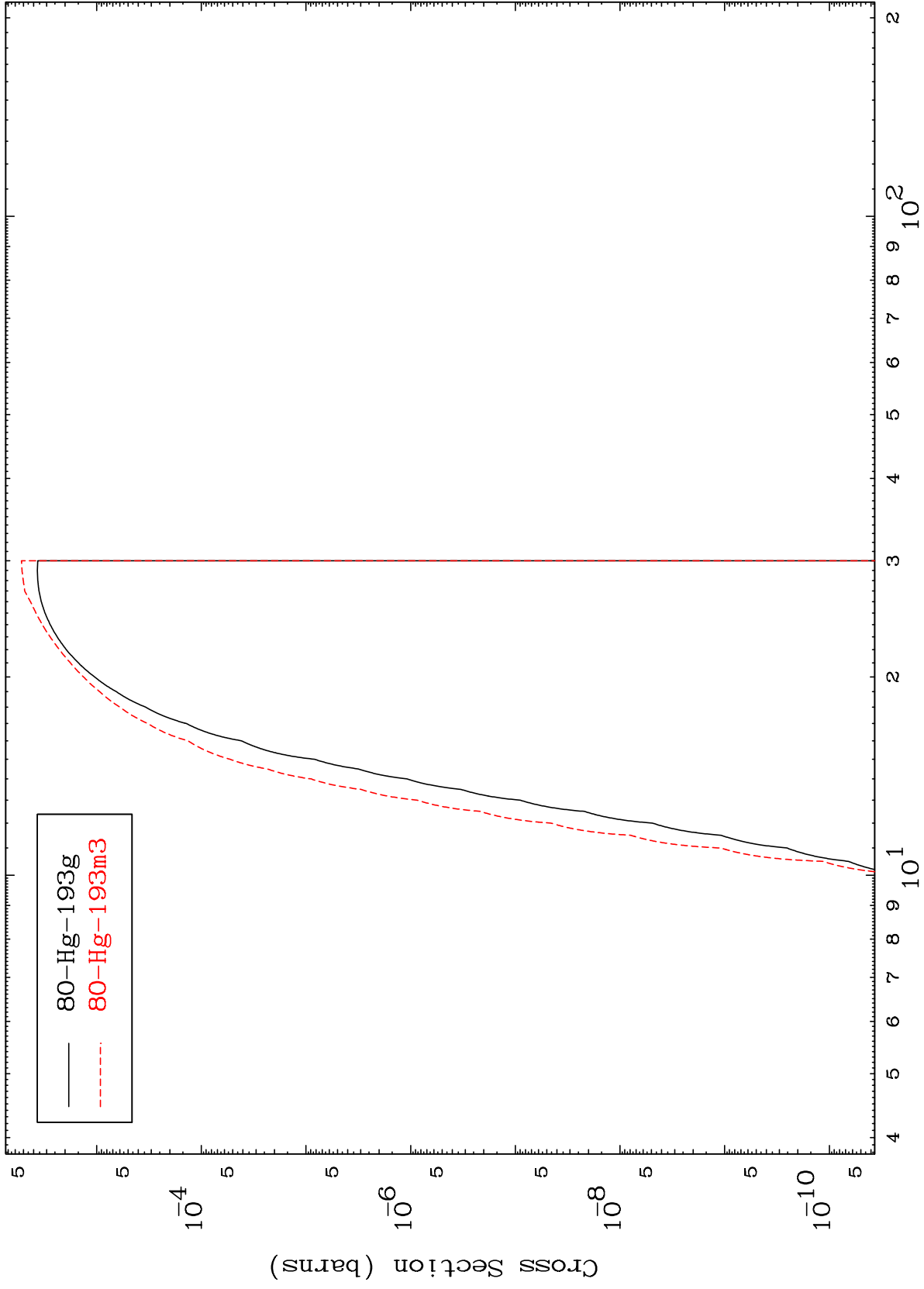
126

81-Tl-195

MAT 8101

81-T1-195

(n, t)
Radionuclide Production Cross Section



127

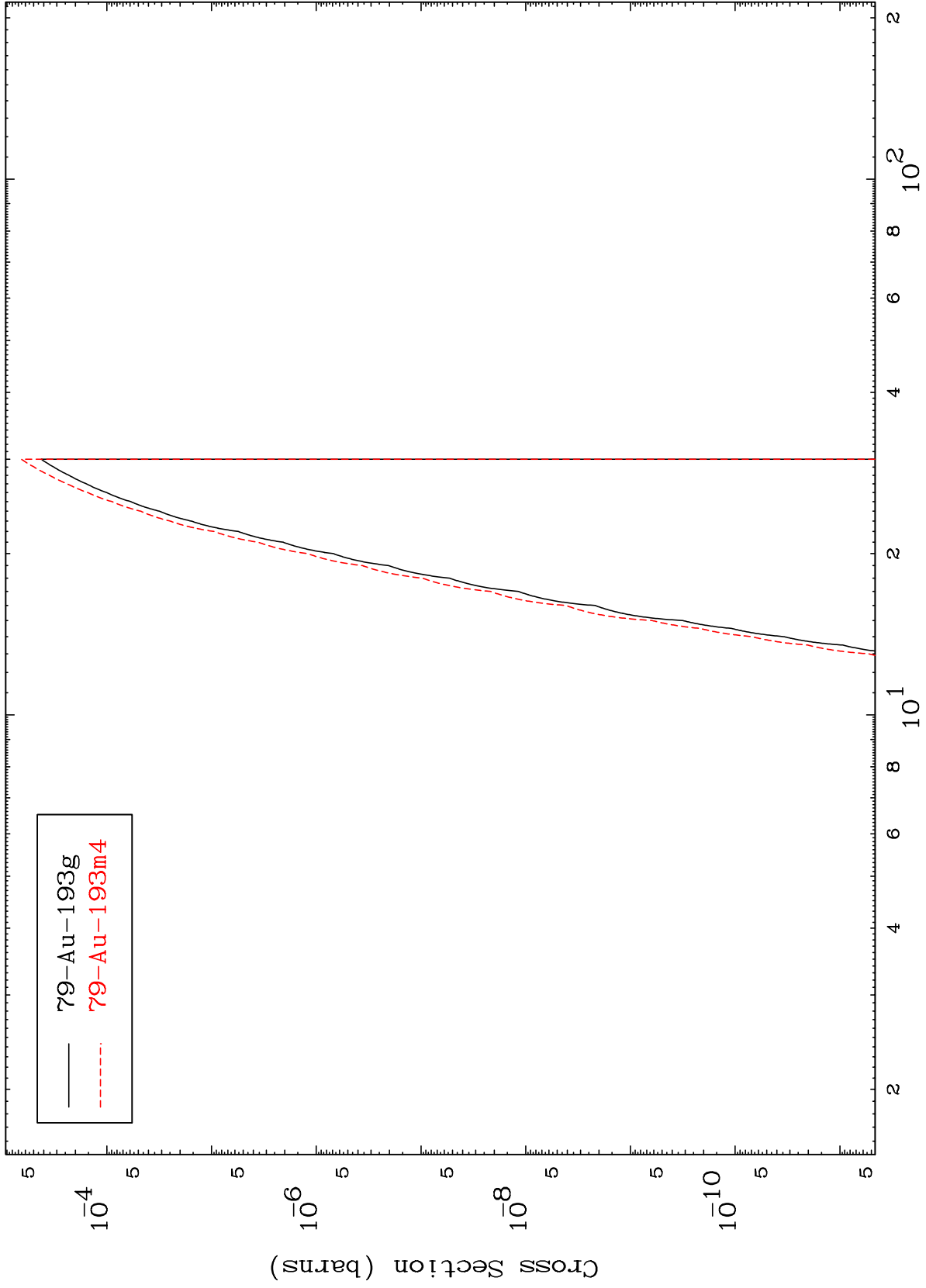
Incident Energy (MeV)

81-T1-195

MAT 8101

81-Tl-195

(n,He-3)
Radionuclide Production Cross Section



128

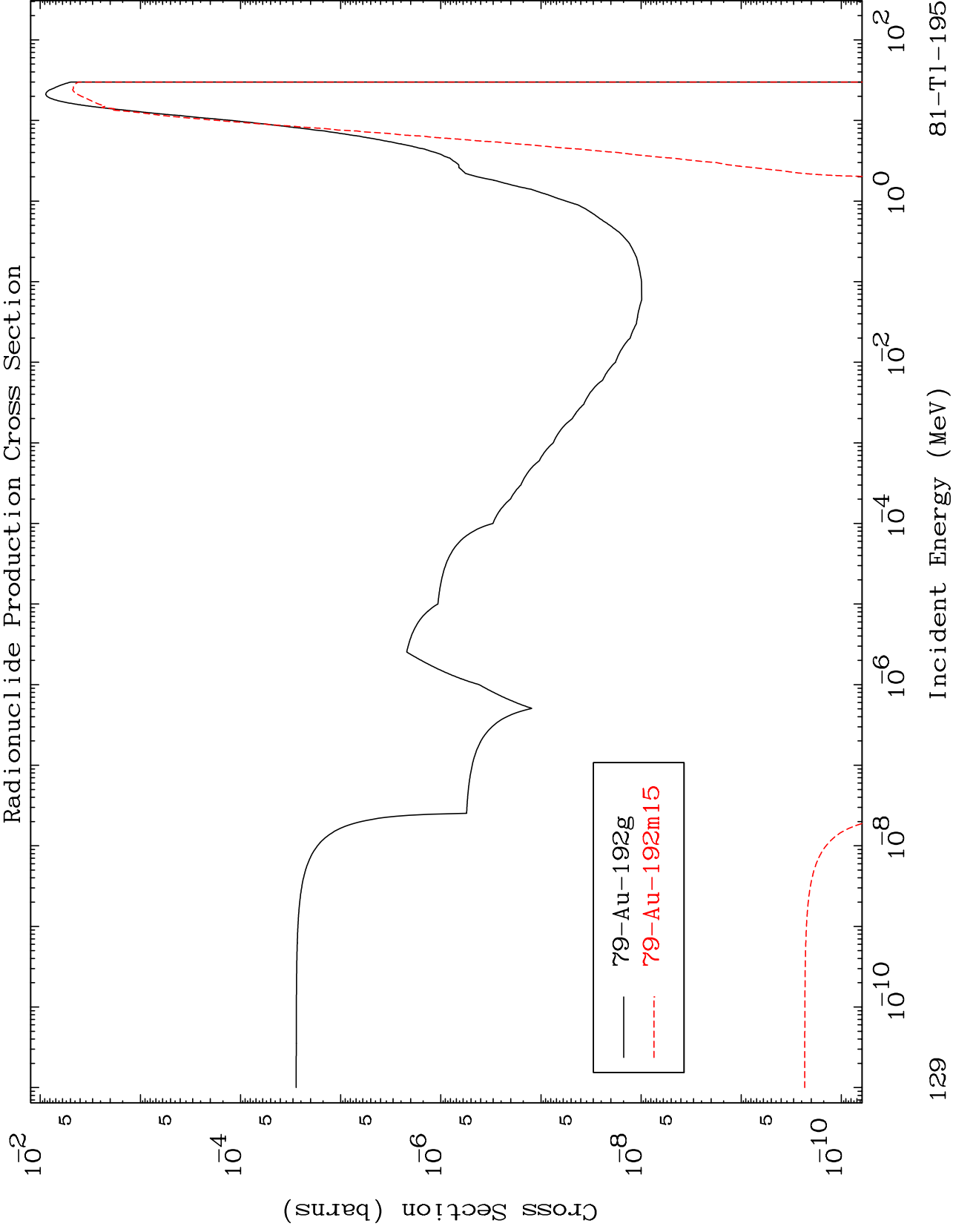
81-Tl-195

Incident Energy (MeV)

MAT 8101

81-Tl-195

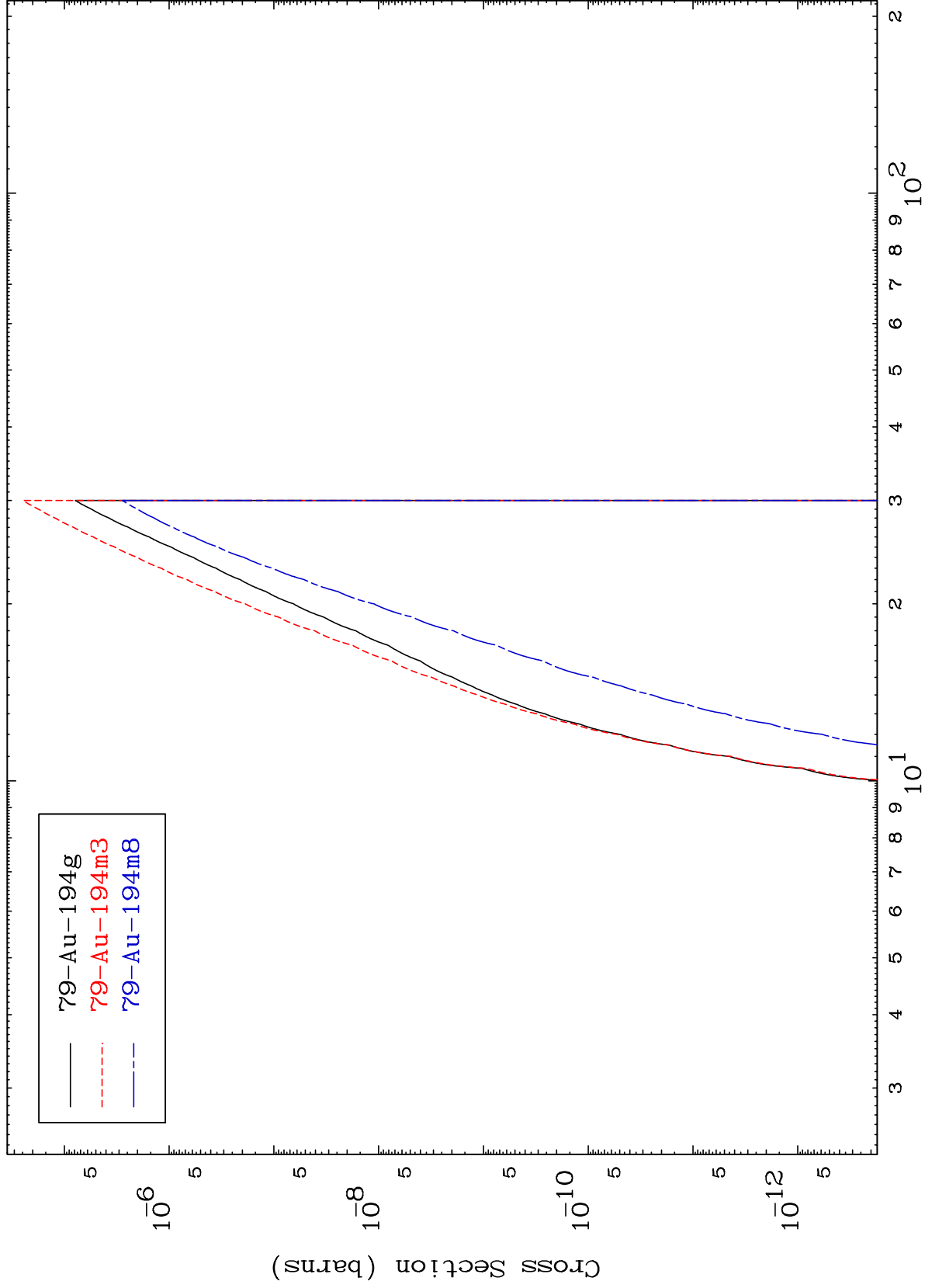
Radionuclide Production Cross Section



MAT 8101

81-Tl-195

(n,2p)
Radionuclide Production Cross Section



130

Incident Energy (MeV)

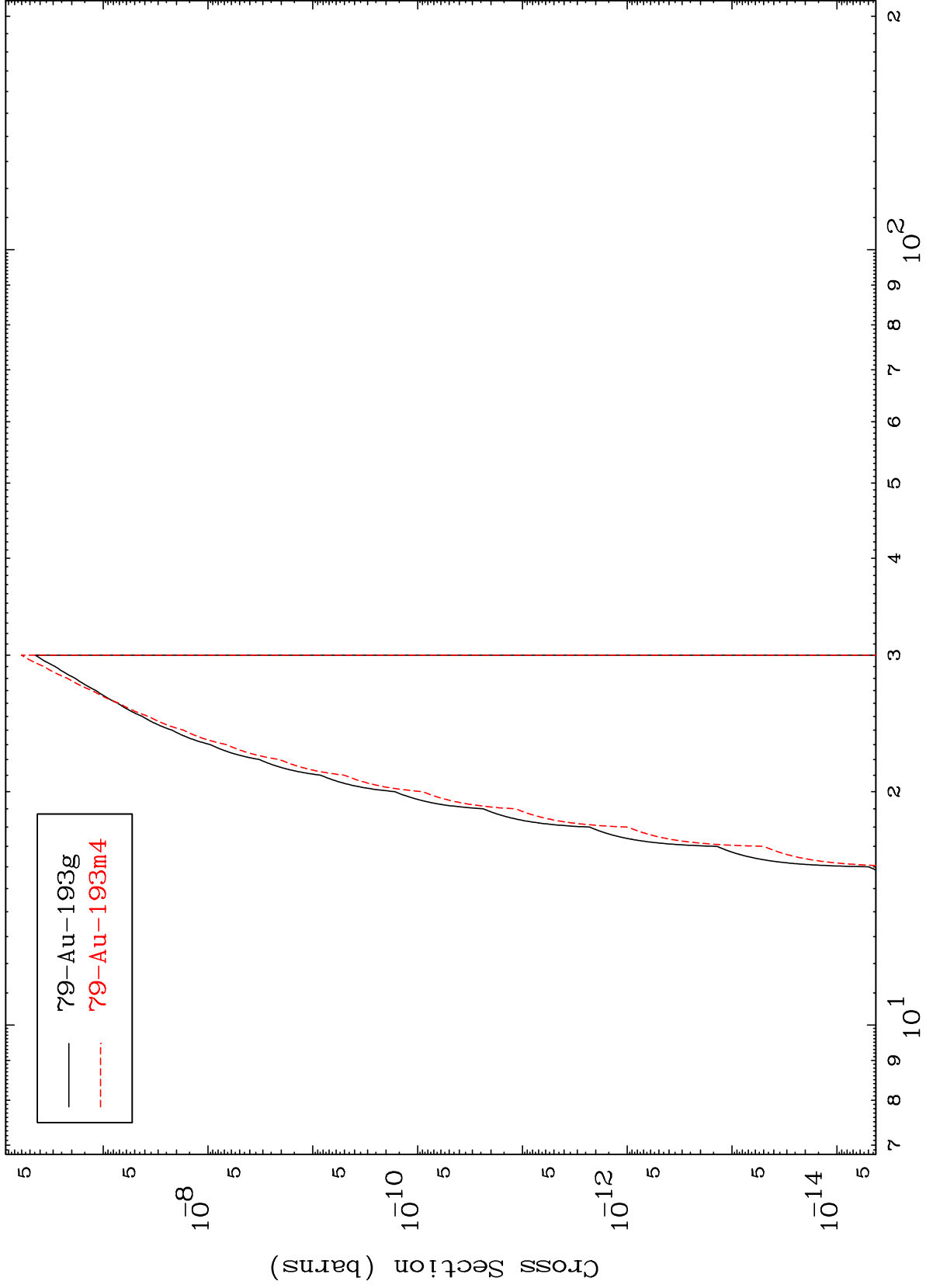
81-Tl-195

MAT 8101

(n,p) d

81-Tl-195

Radionuclide Production Cross Section



131

Incident Energy (MeV)

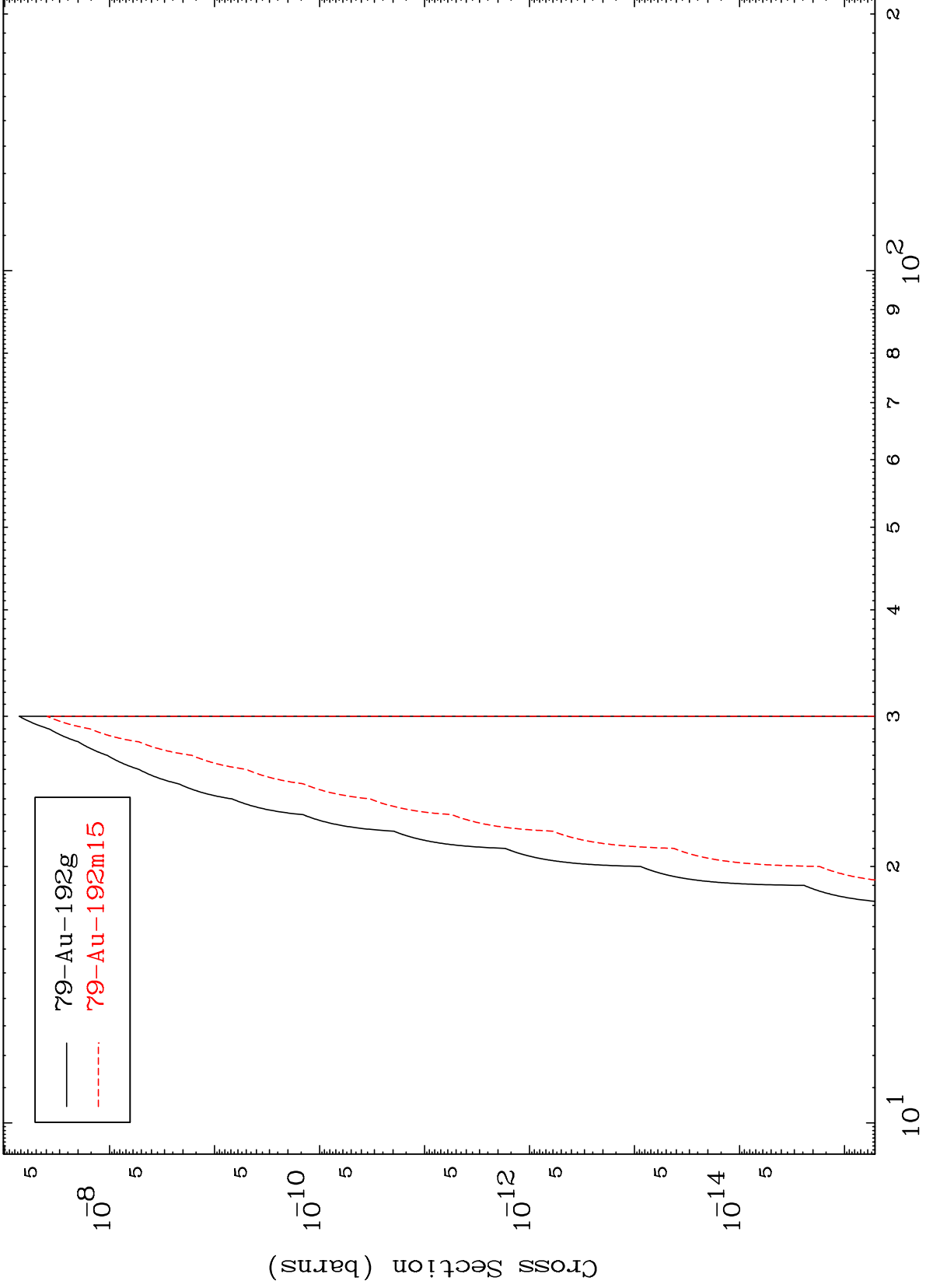
81-Tl-195

MAT 8101

(n,p) t

81-Tl-195

Radionuclide Production Cross Section



132

Incident Energy (MeV)

81-Tl-195