

Program EVALPLOT
(Version 2018-1)

by

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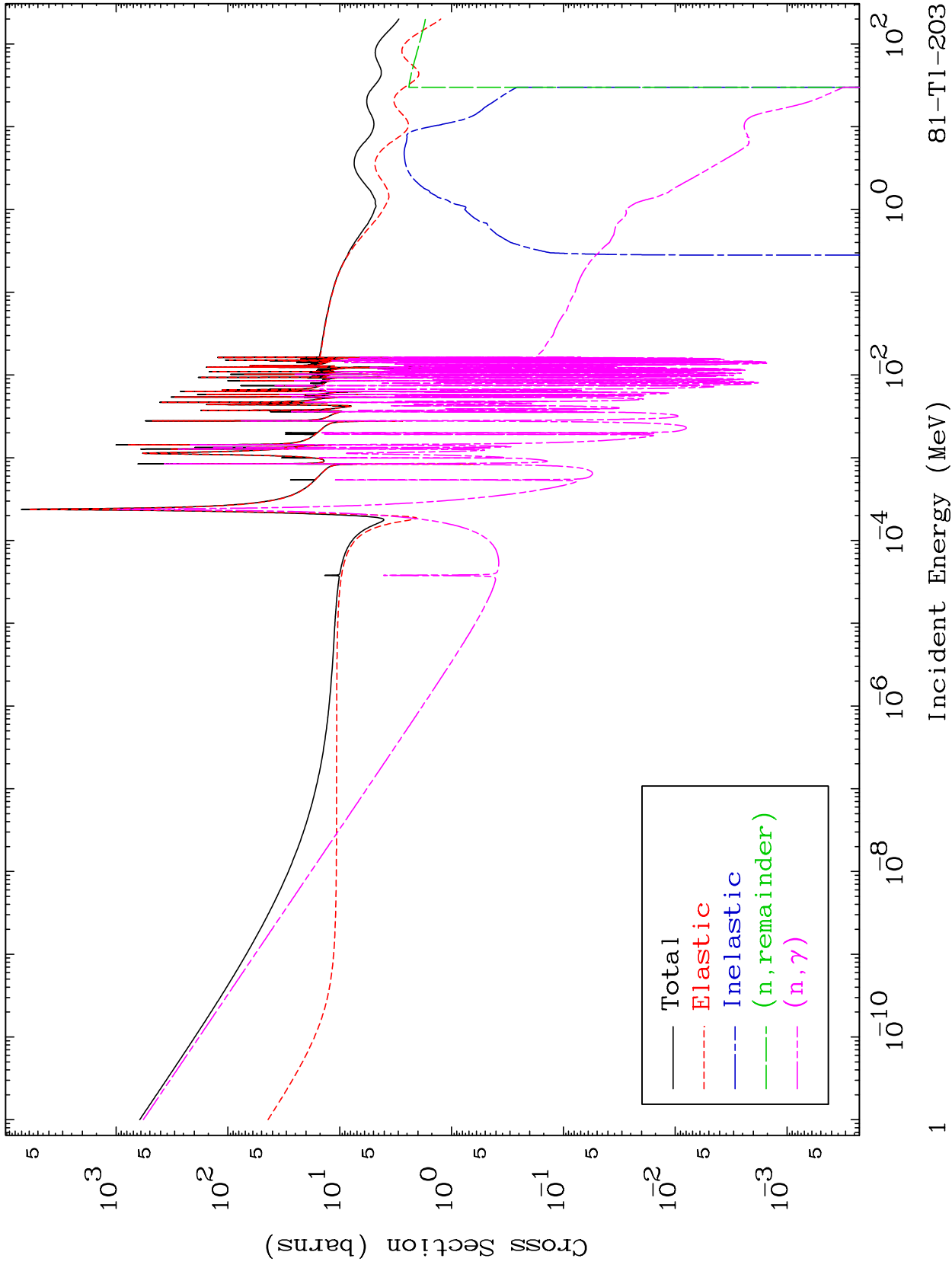
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8125

Major
293 Kelvin Cross Sections

81-Tl-203

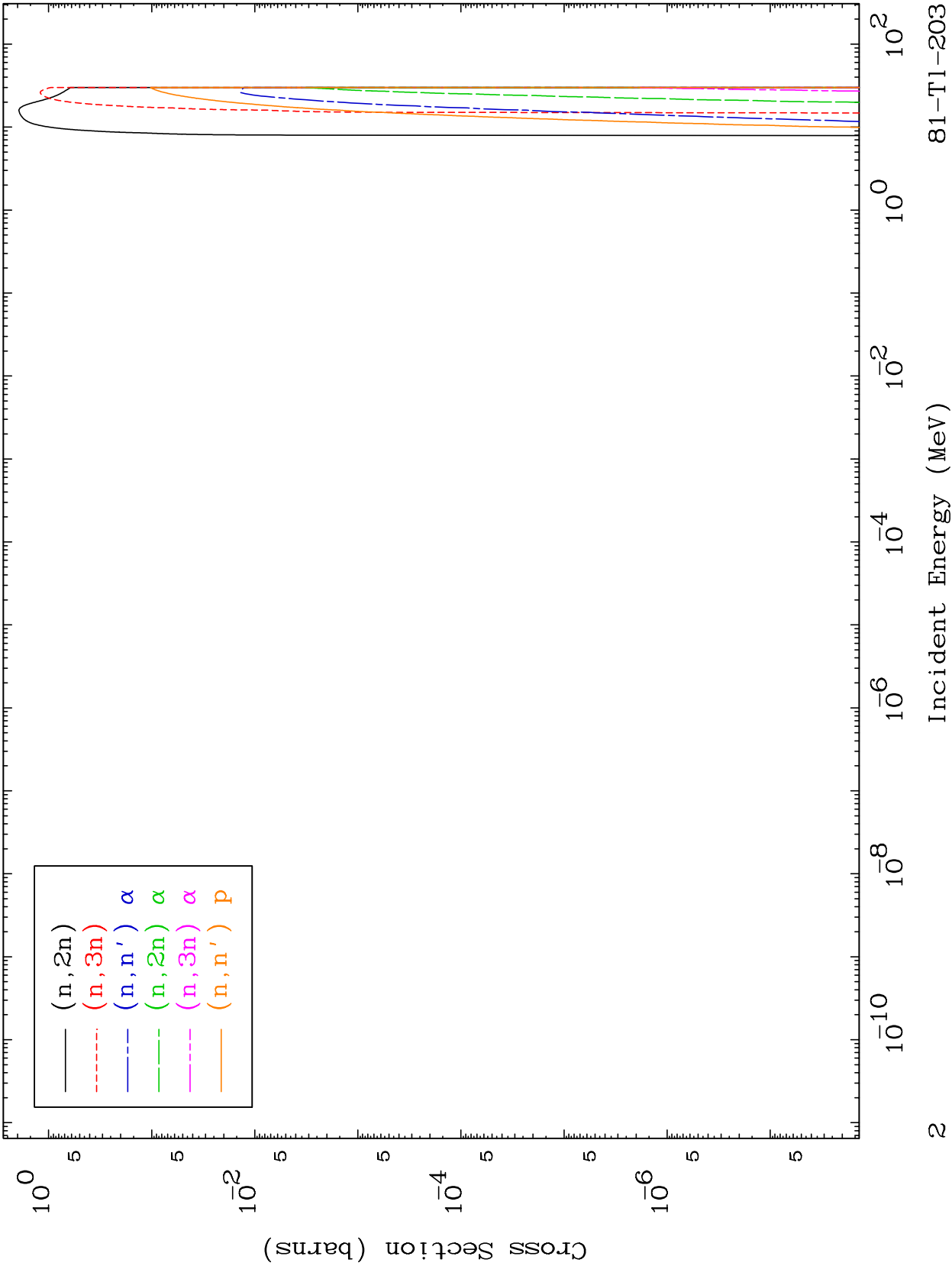


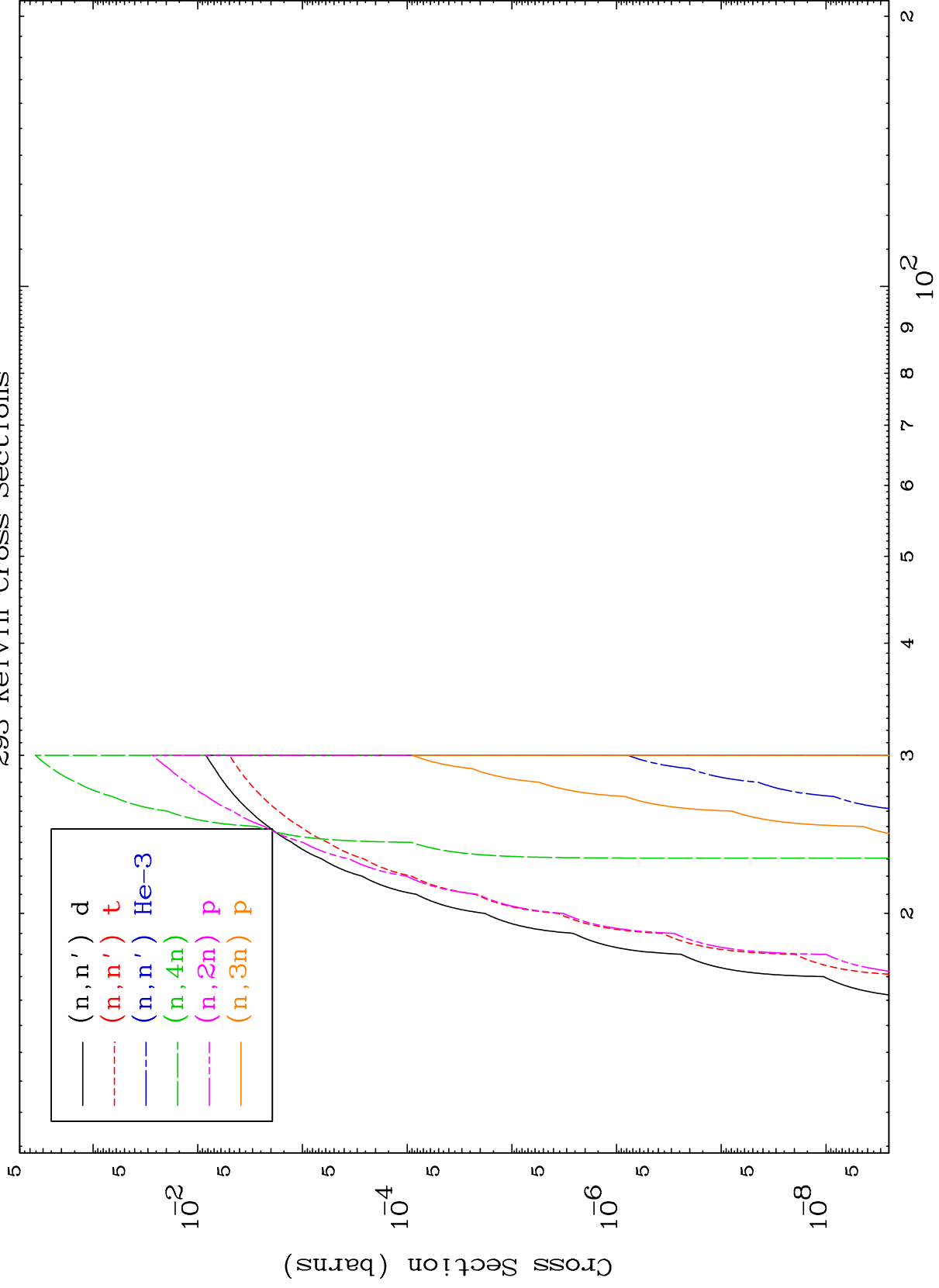
81-Tl-203

MAT 8125

Neutron Production
293 Kelvin Cross Sections

81-Tl-203

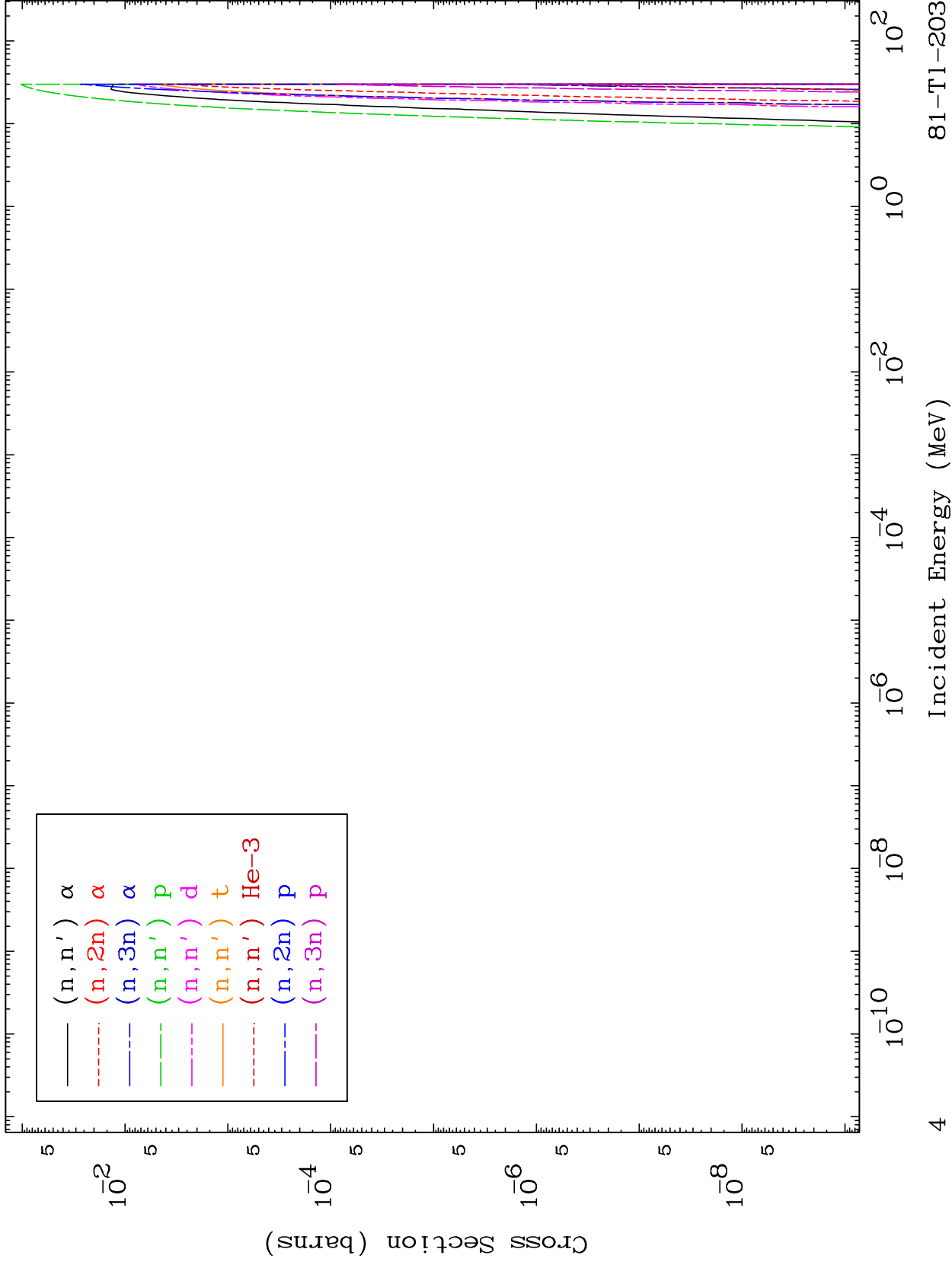




MAT 8125

Charged Particle
293 Kelvin Cross Sections

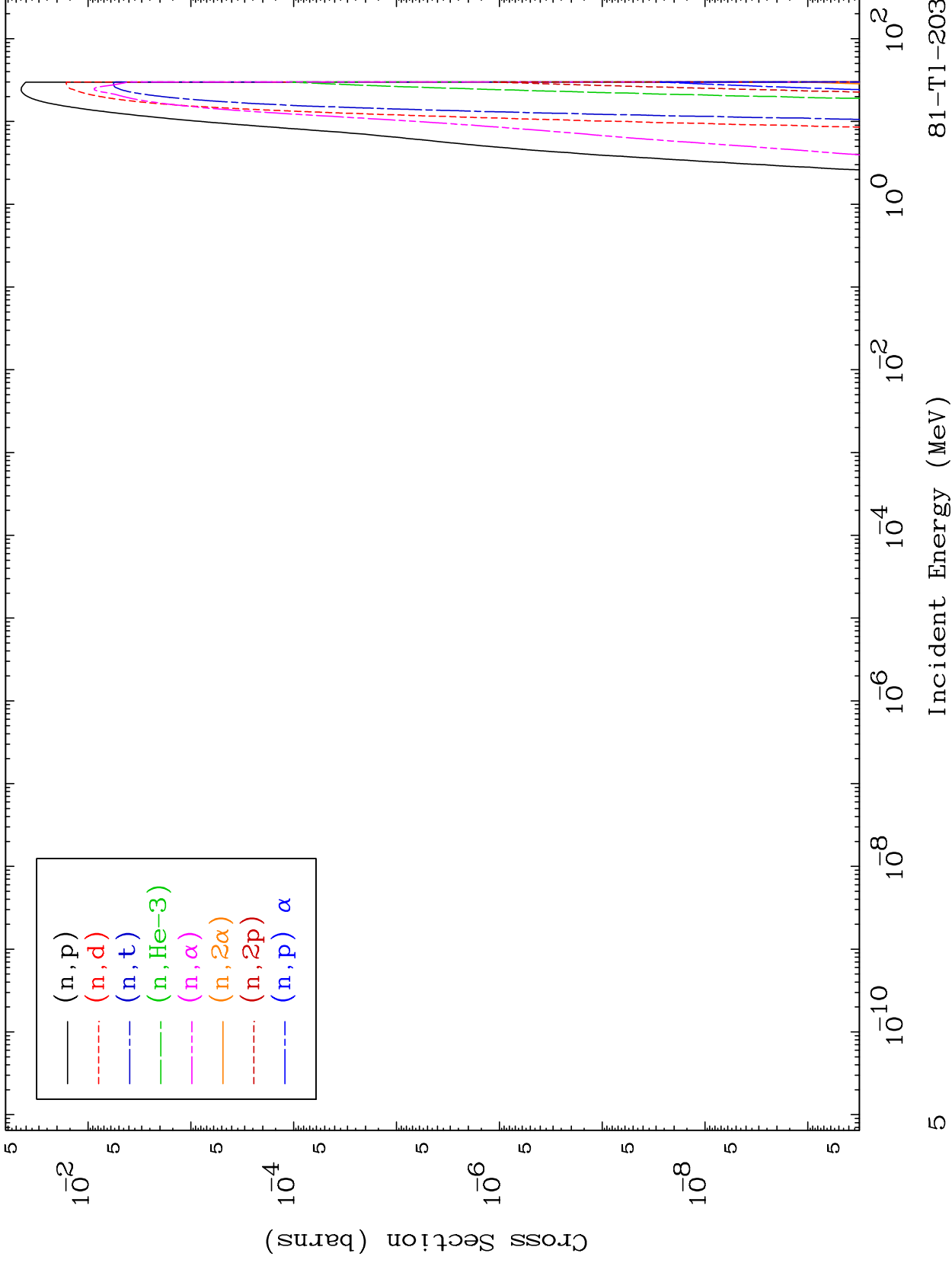
81-Tl-203



MAT 8125

Charged Particle
293 Kelvin Cross Sections

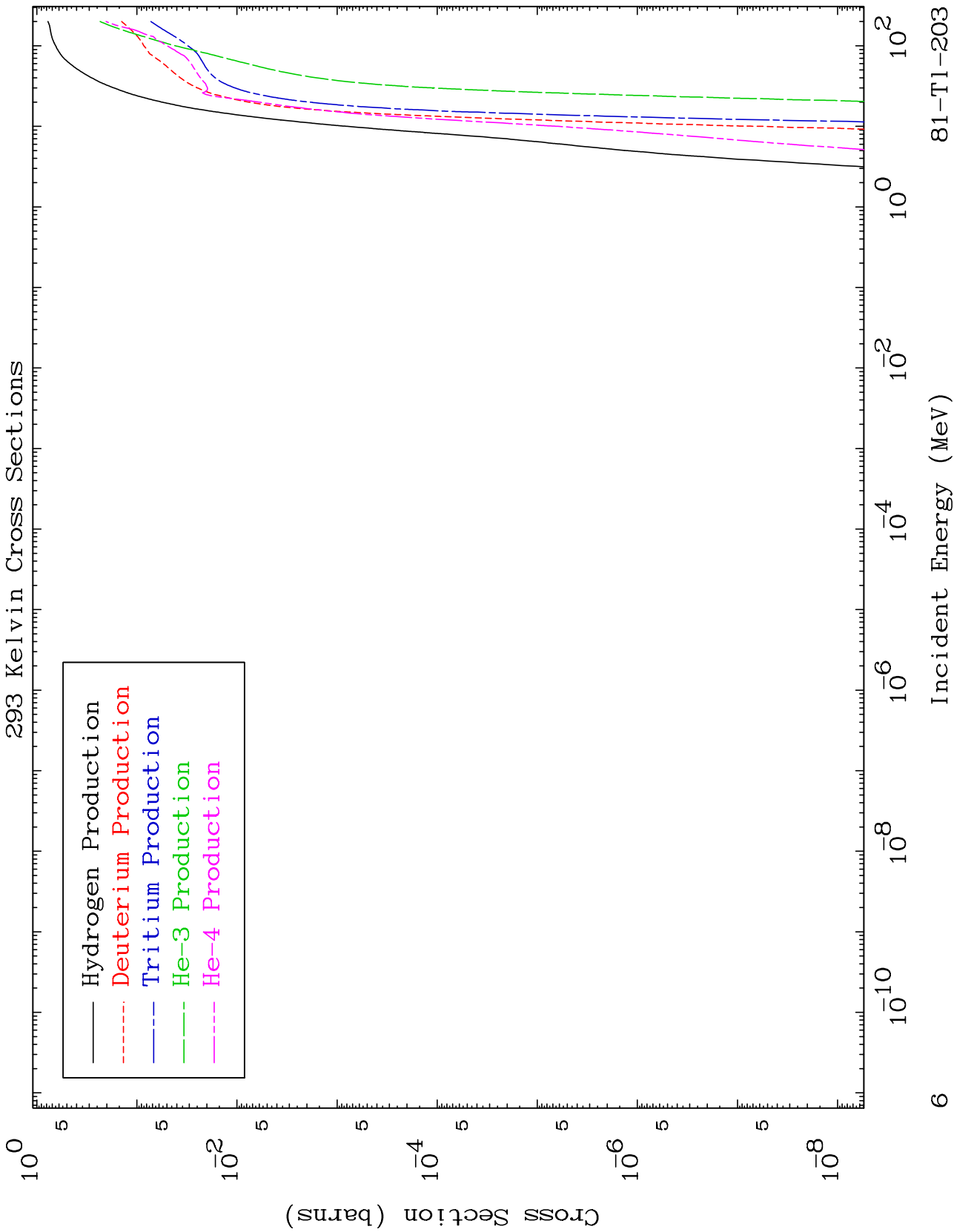
81-Tl-203



MAT 8125

Particle Production
293 Kelvin Cross Sections

81-T1-203

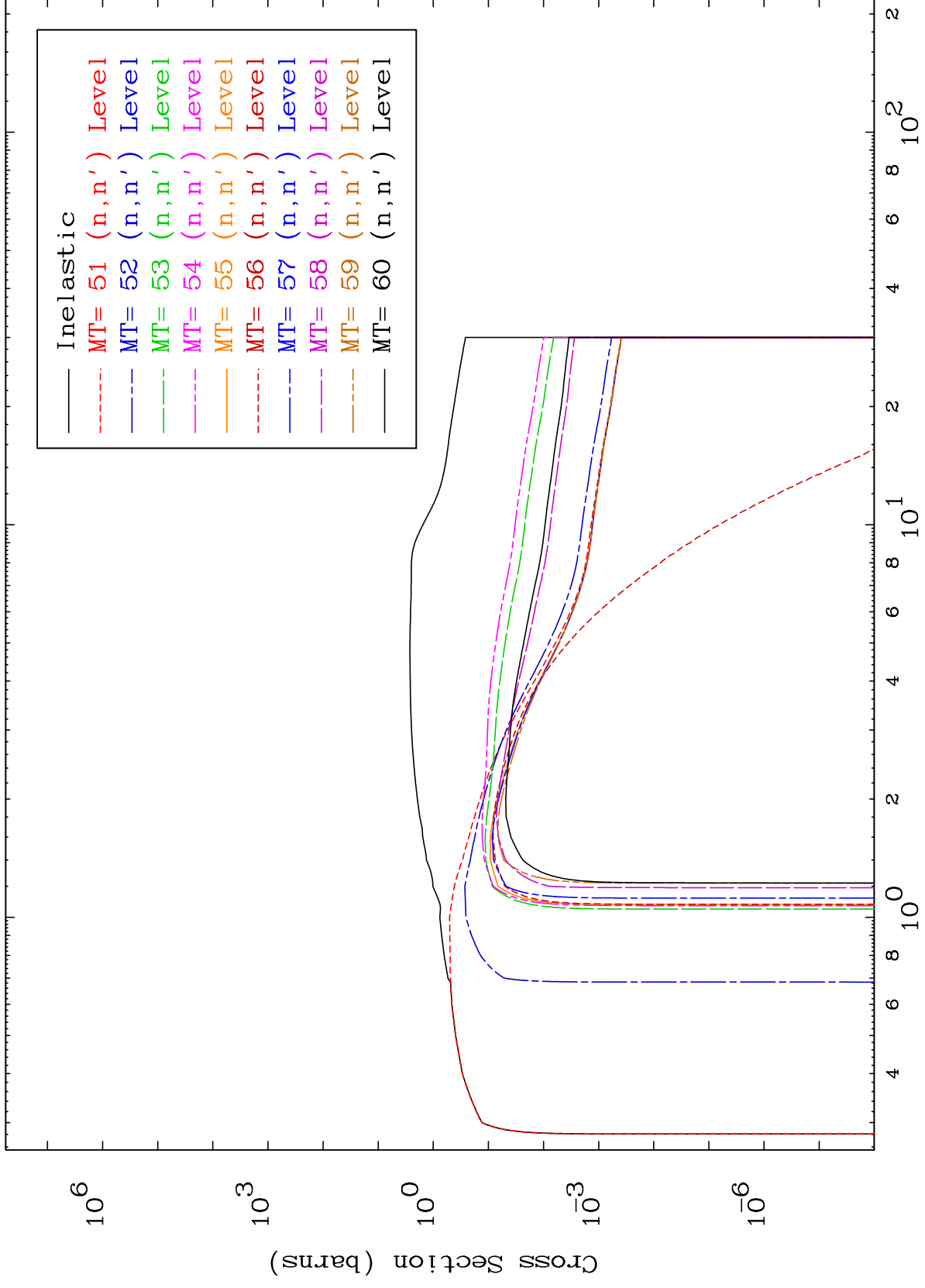


MAT 8125

(n,n') Level

81-Tl-203

293 Kelvin Cross Sections

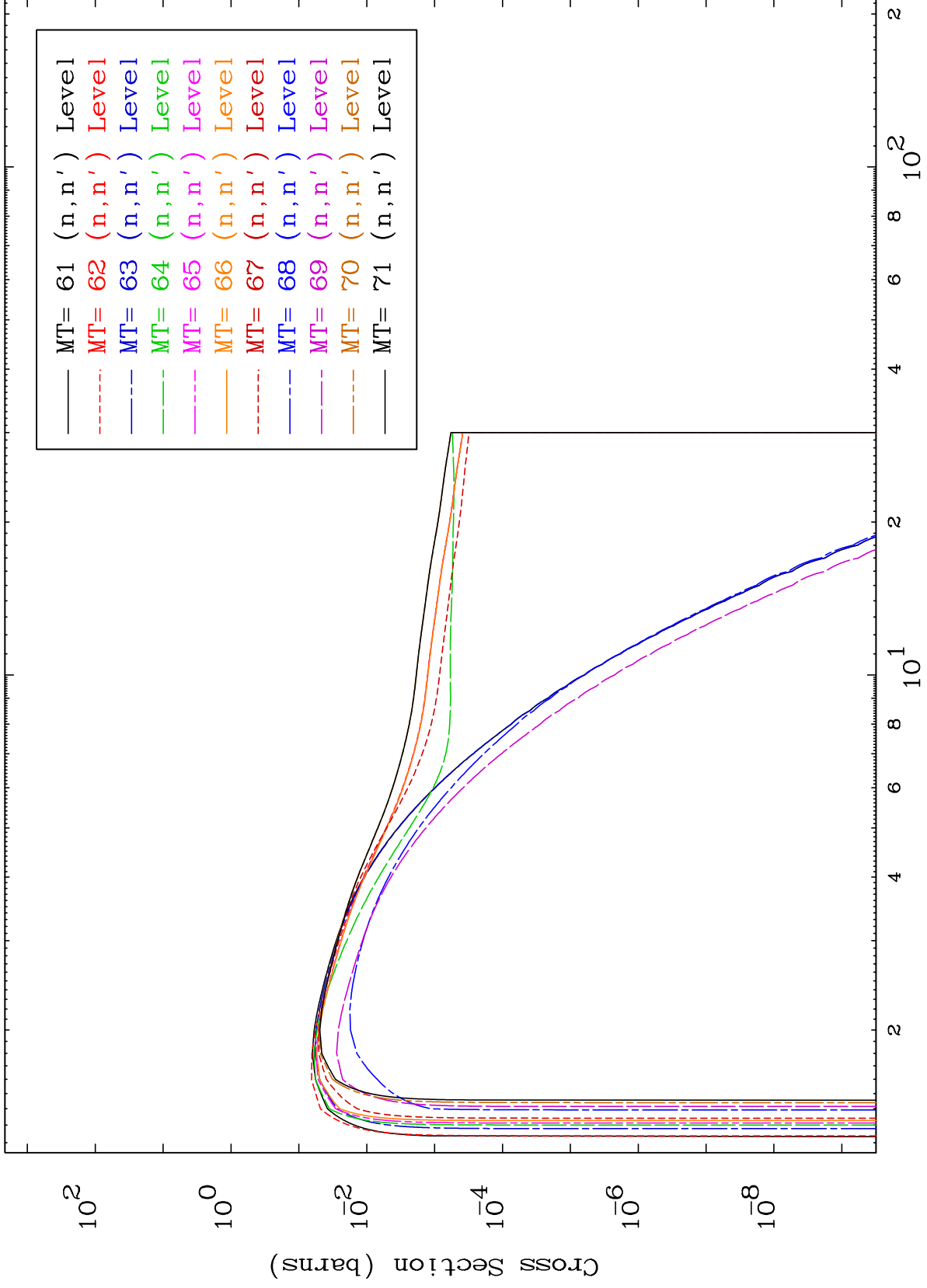


MAT 8125

(n,n') Level

293 Kelvin Cross Sections

81-T1-203

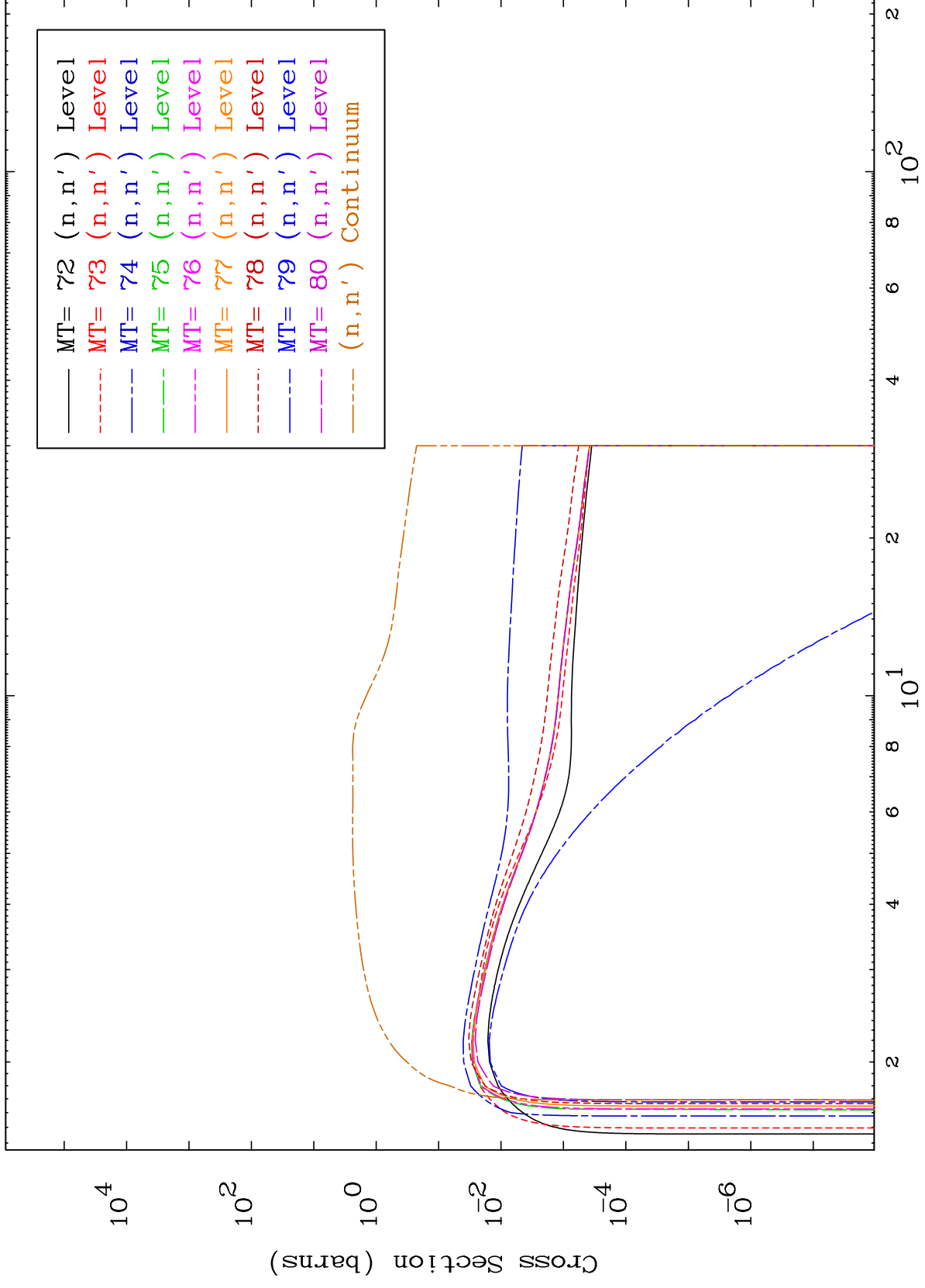


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Incident Energy (MeV)

81-T1-203

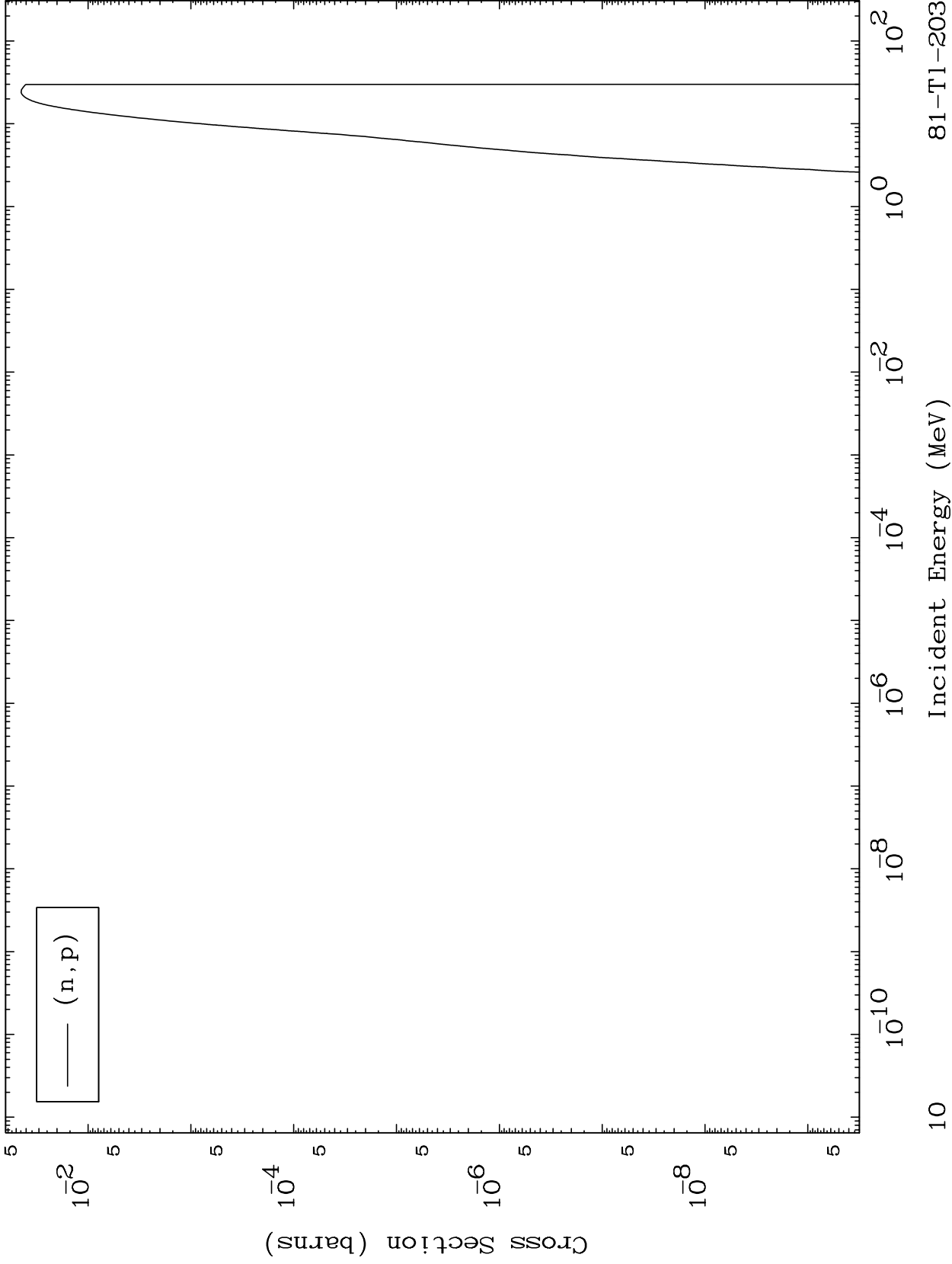
293 Kelvin Cross Sections



MAT 8125

(n,p) Levels
293 Kelvin Cross Sections

81-Tl-203



10

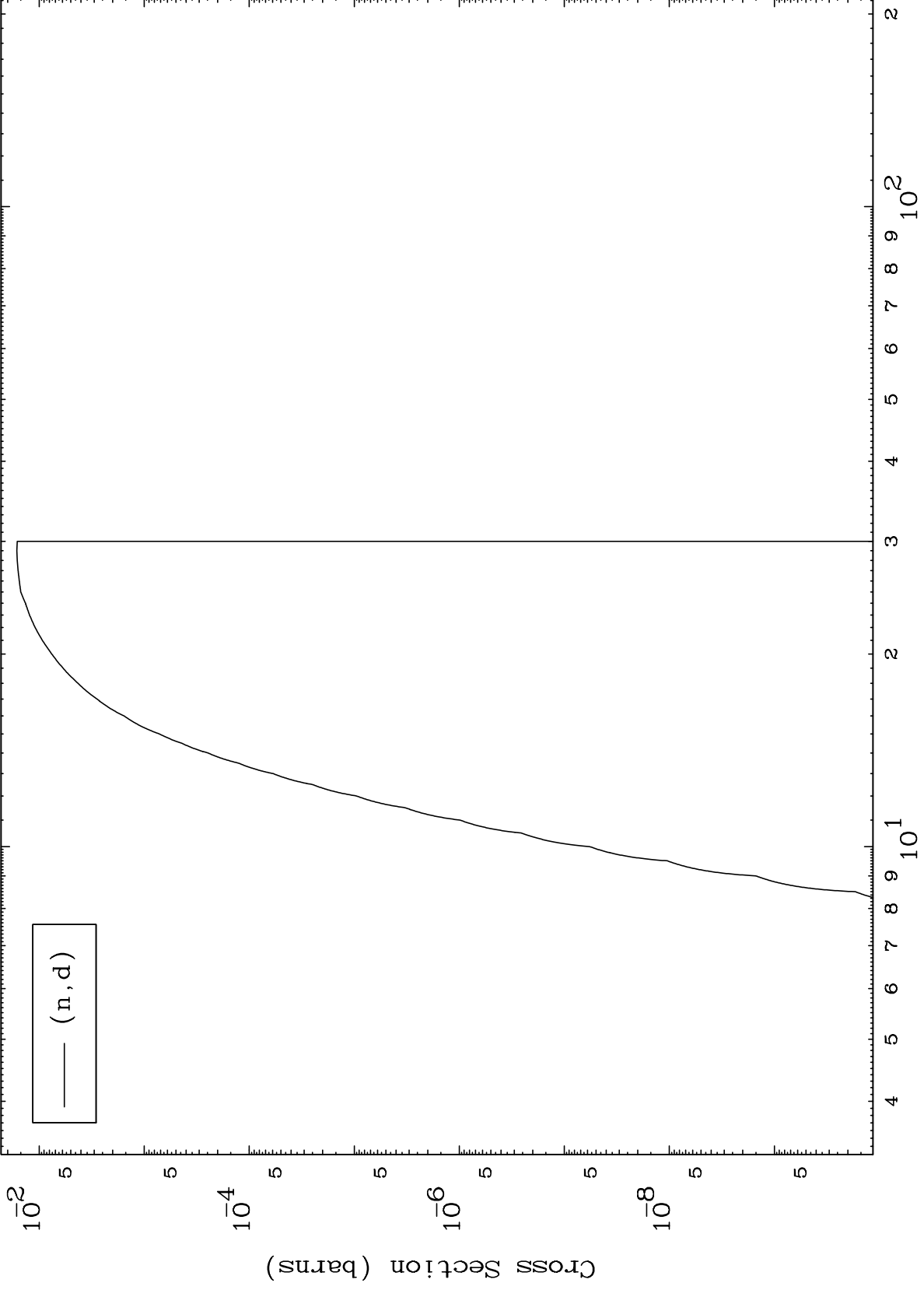
Incident Energy (MeV)

81-Tl-203

MAT 8125

(n,d) Levels
293 Kelvin Cross Sections

81-T1-203



11

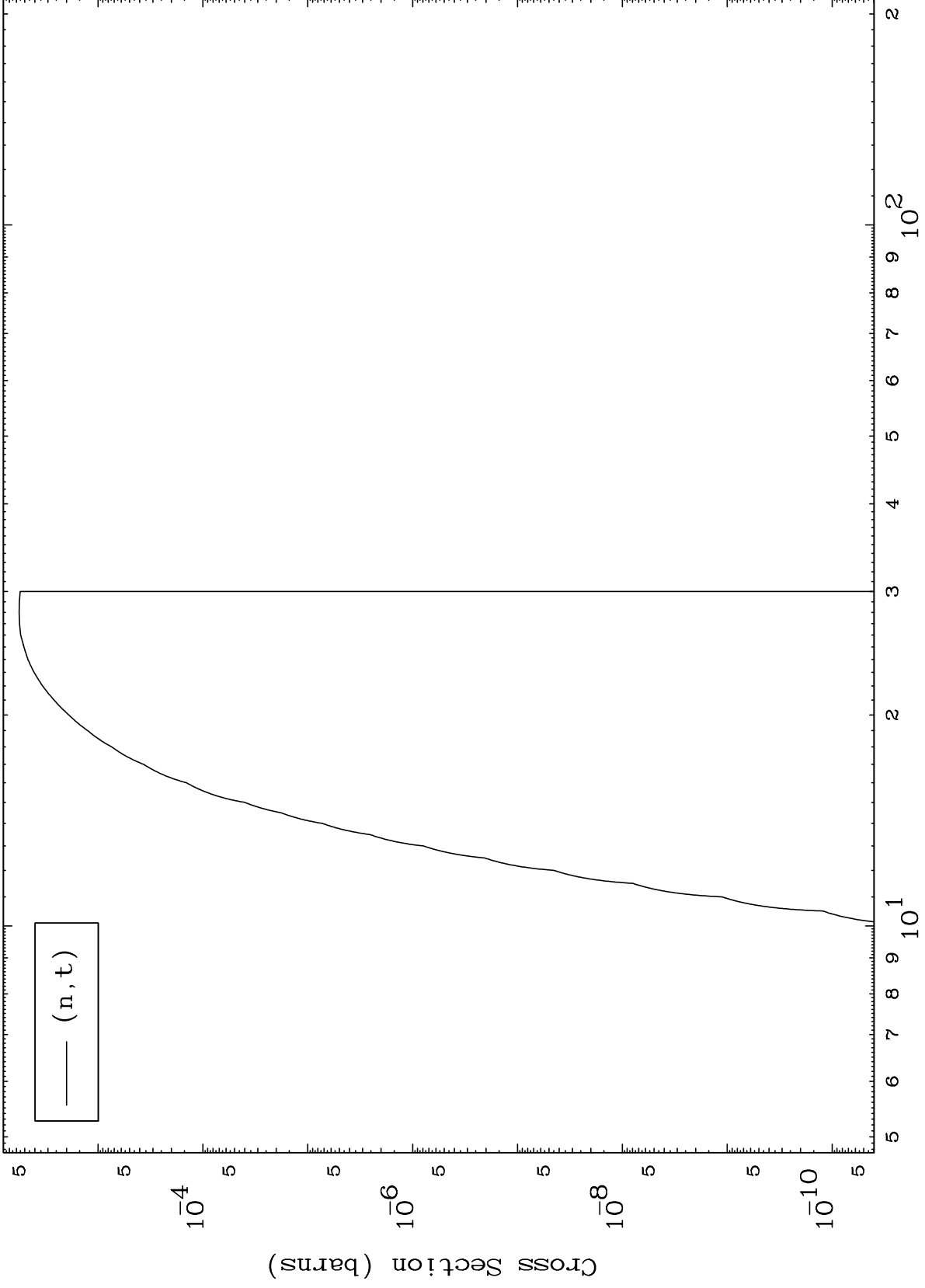
Incident Energy (MeV)

81-T1-203

MAT 8125

(n,t) Levels
293 Kelvin Cross Sections

81-T1-203



12

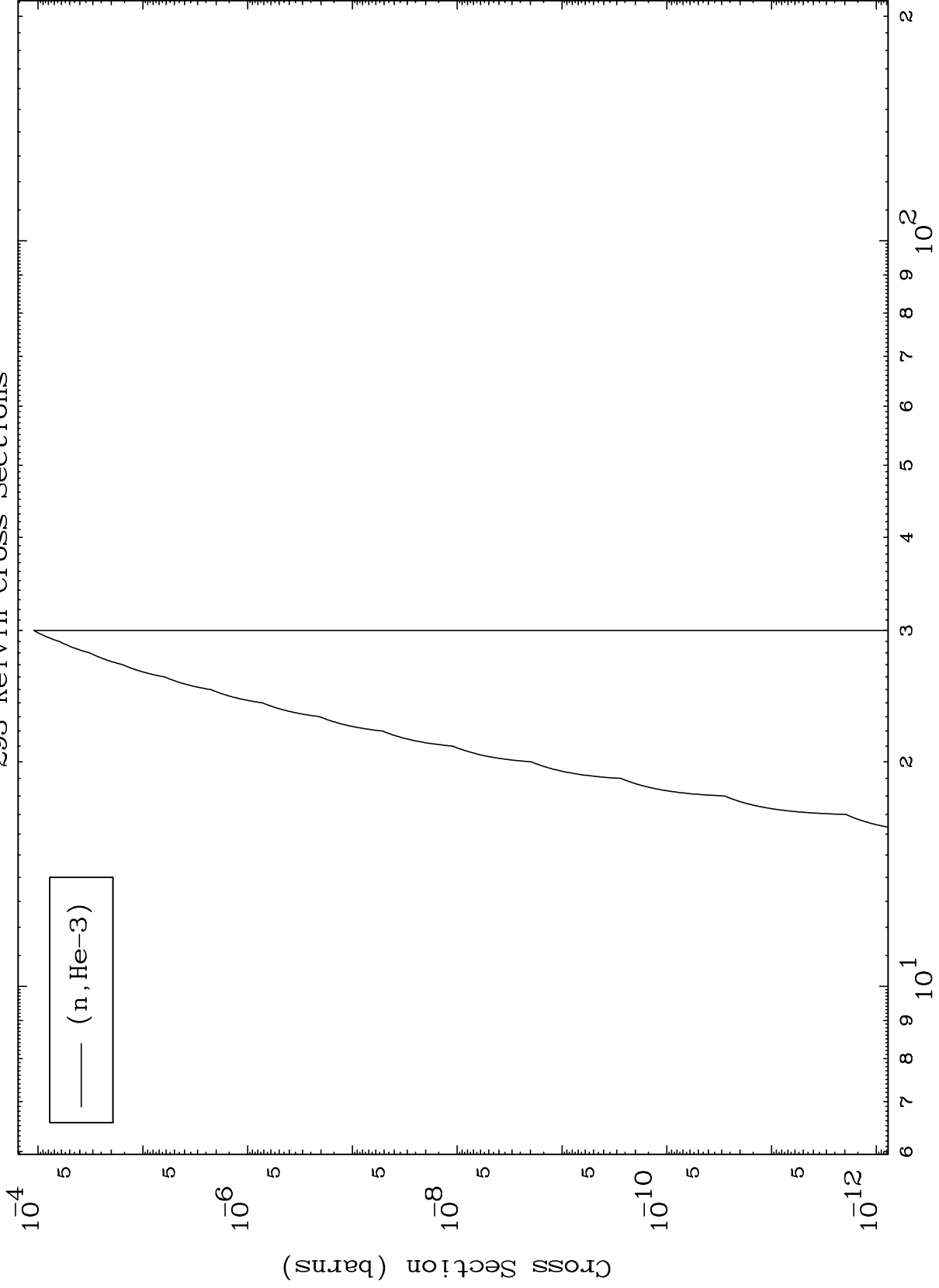
Incident Energy (MeV)

81-T1-203

MAT 8125

(n,He3) Levels
293 Kelvin Cross Sections

81-T1-203



13

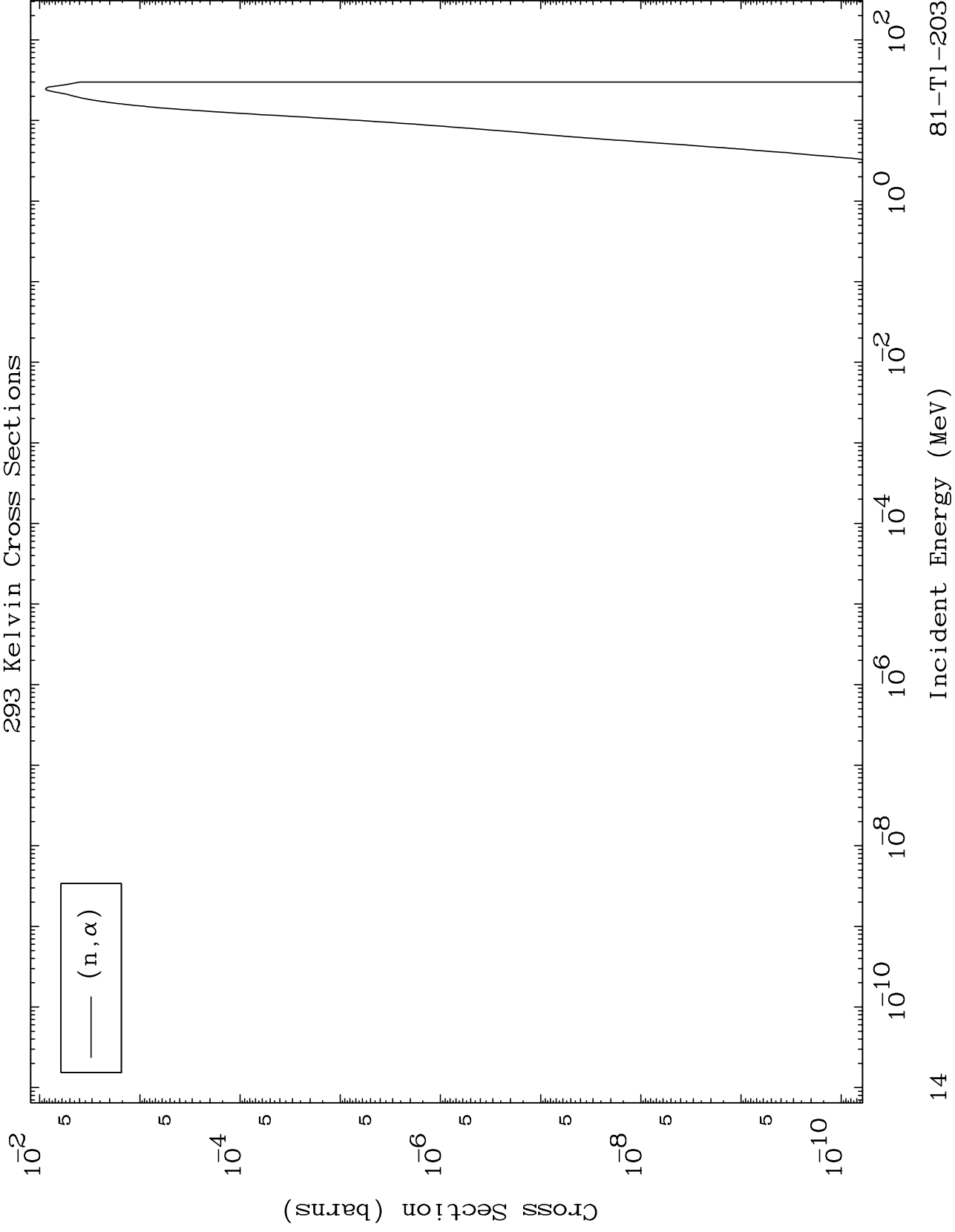
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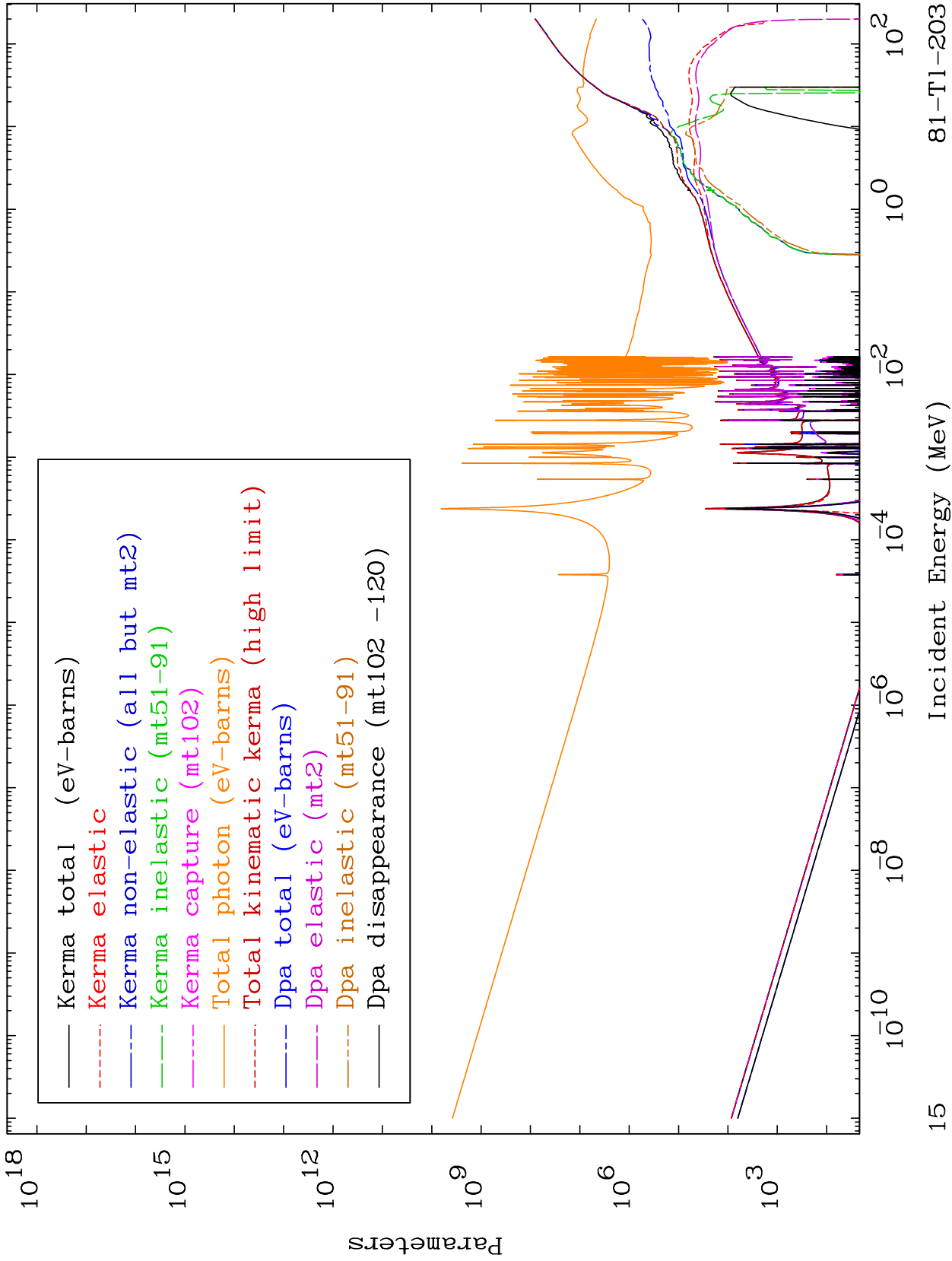
81-T1-203

MAT 8125

(n, α) Levels
293 Kelvin Cross Sections

81-Tl-203

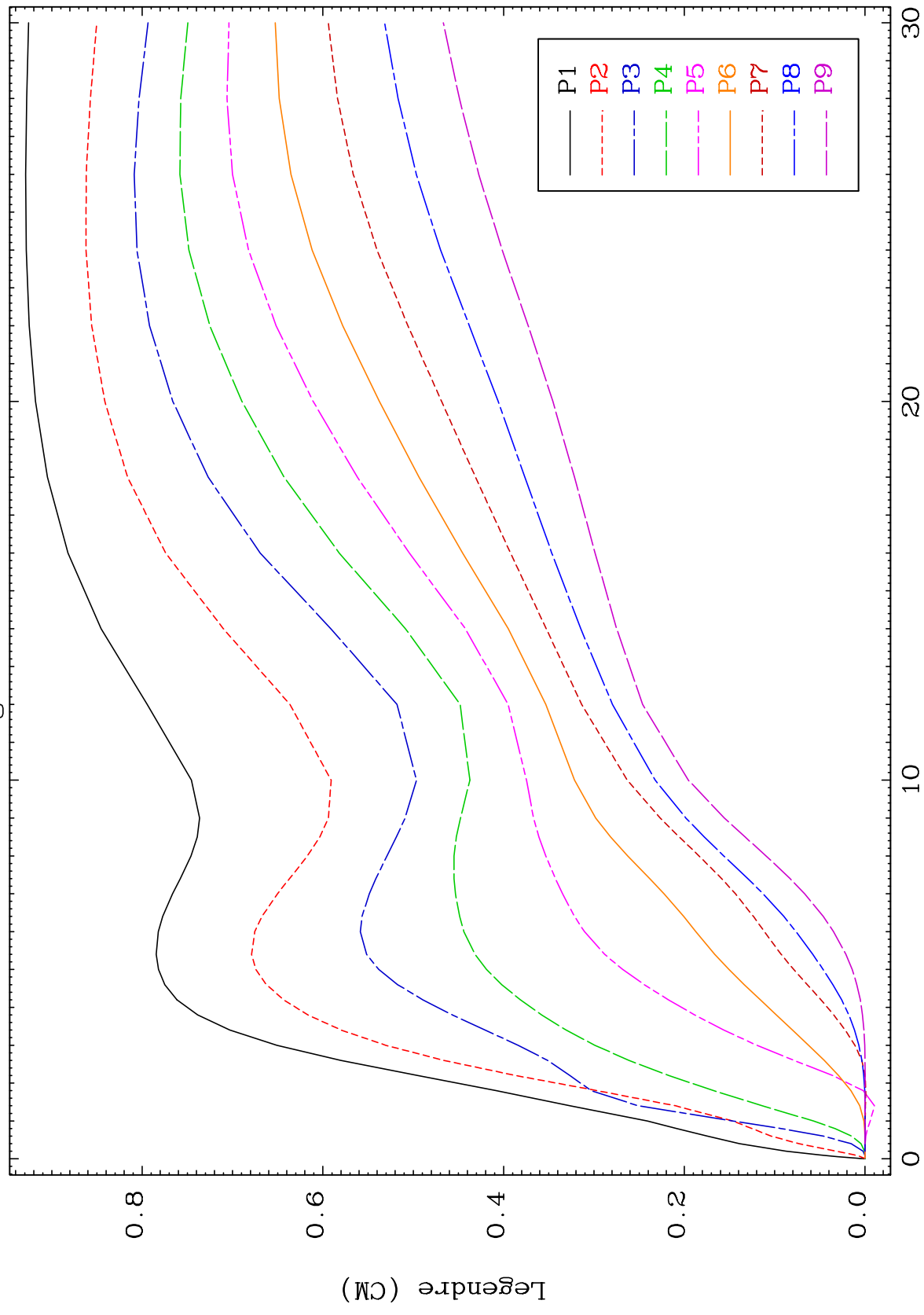




MAT 8125

Elastic Legendre Coefficients

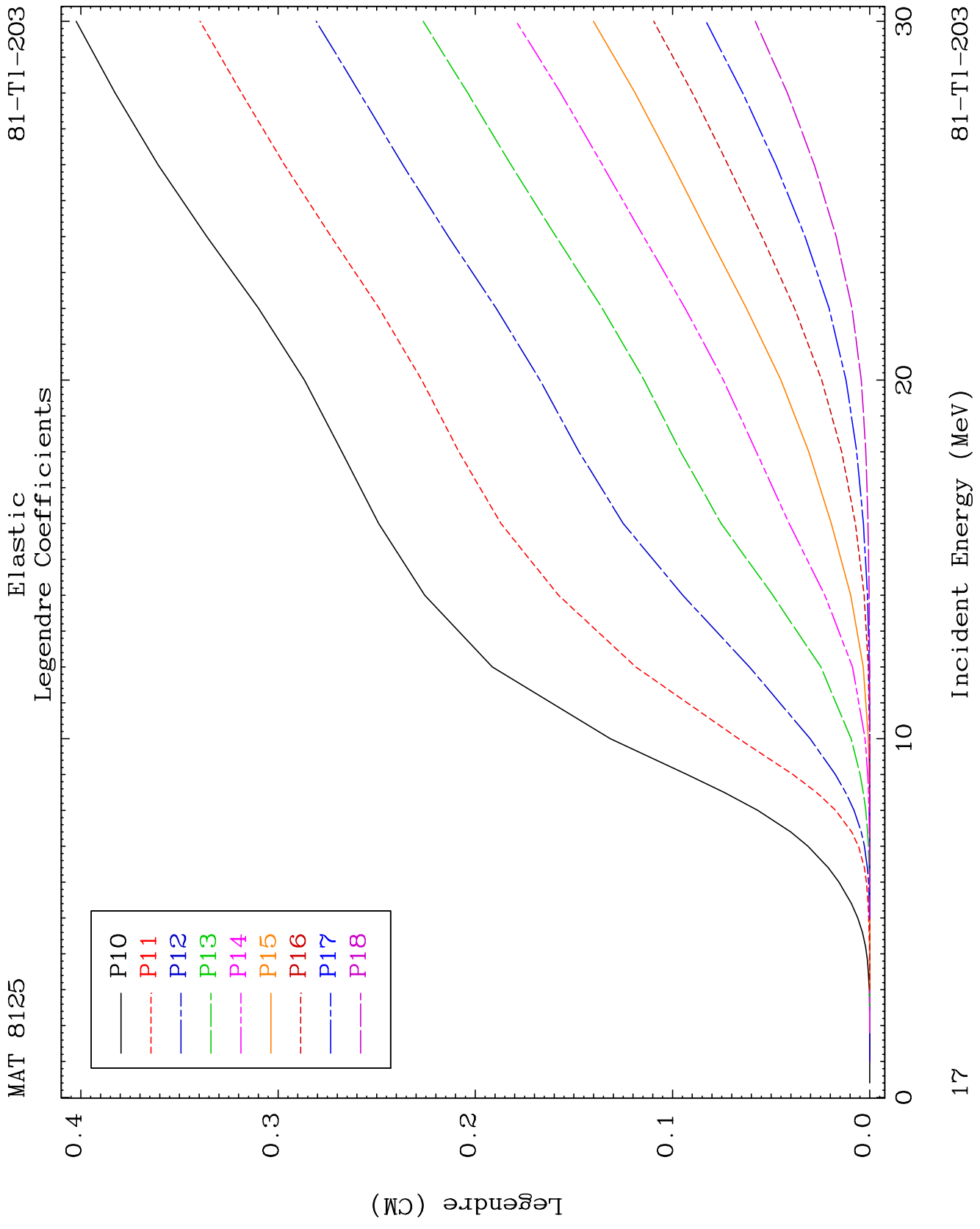
81-T1-203



16

Incident Energy (MeV)

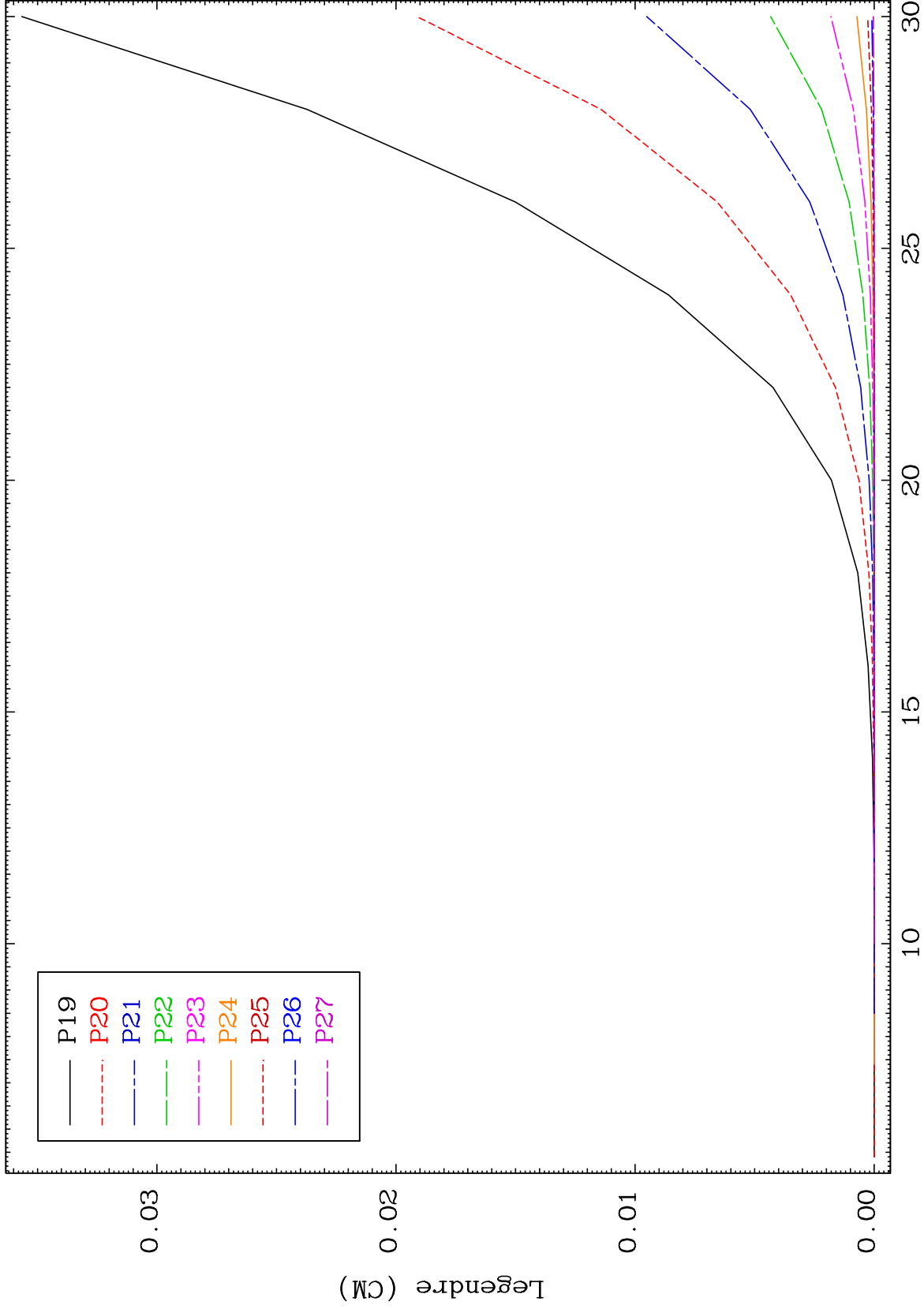
81-T1-203



MAT 8125

Elastic Legendre Coefficients

81-T1-203



18

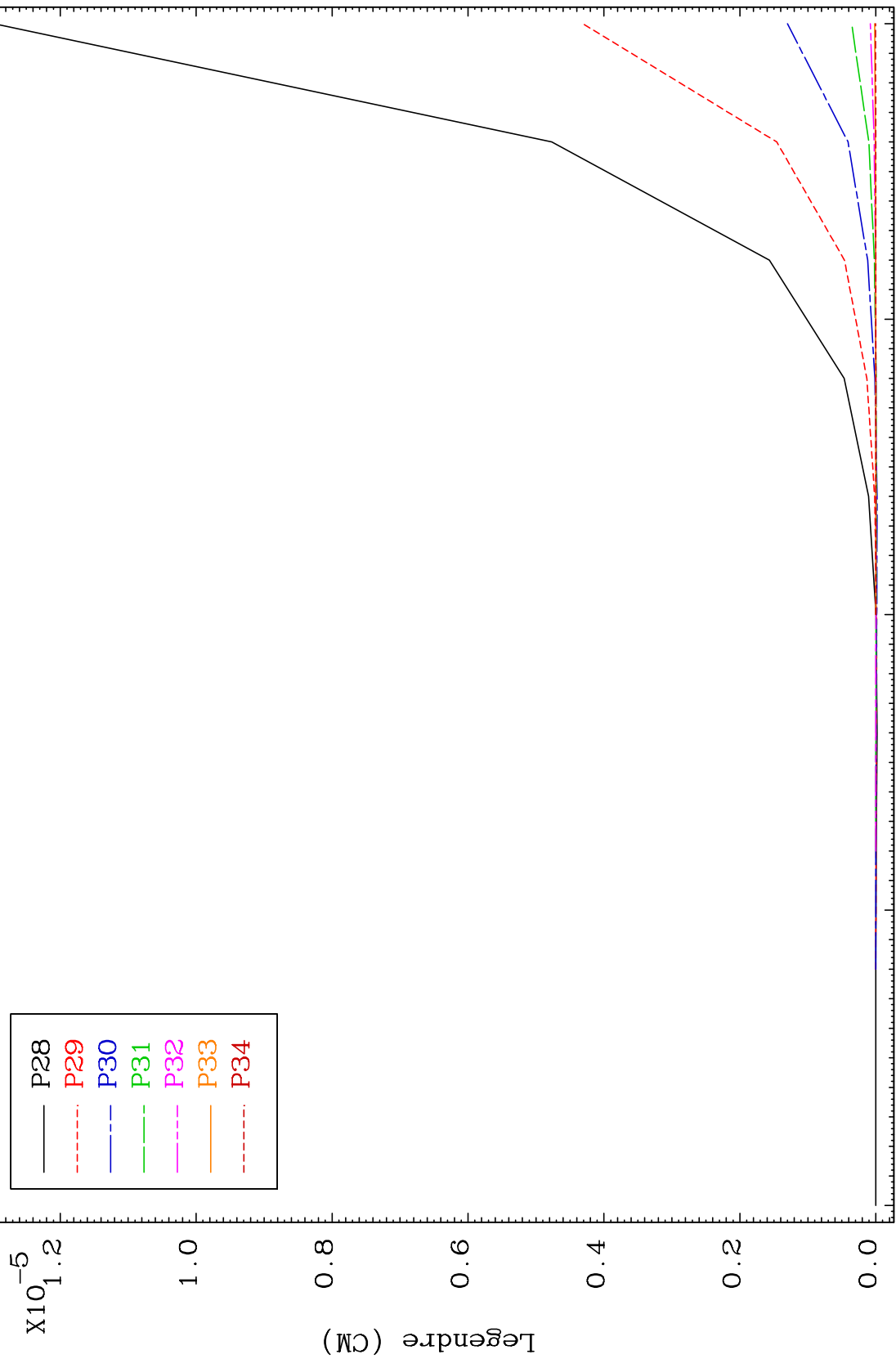
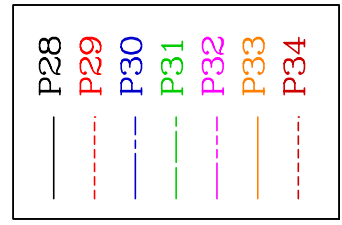
Incident Energy (MeV)

81-T1-203

MAT 8125

Elastic Legendre Coefficients

81-T1-203



19

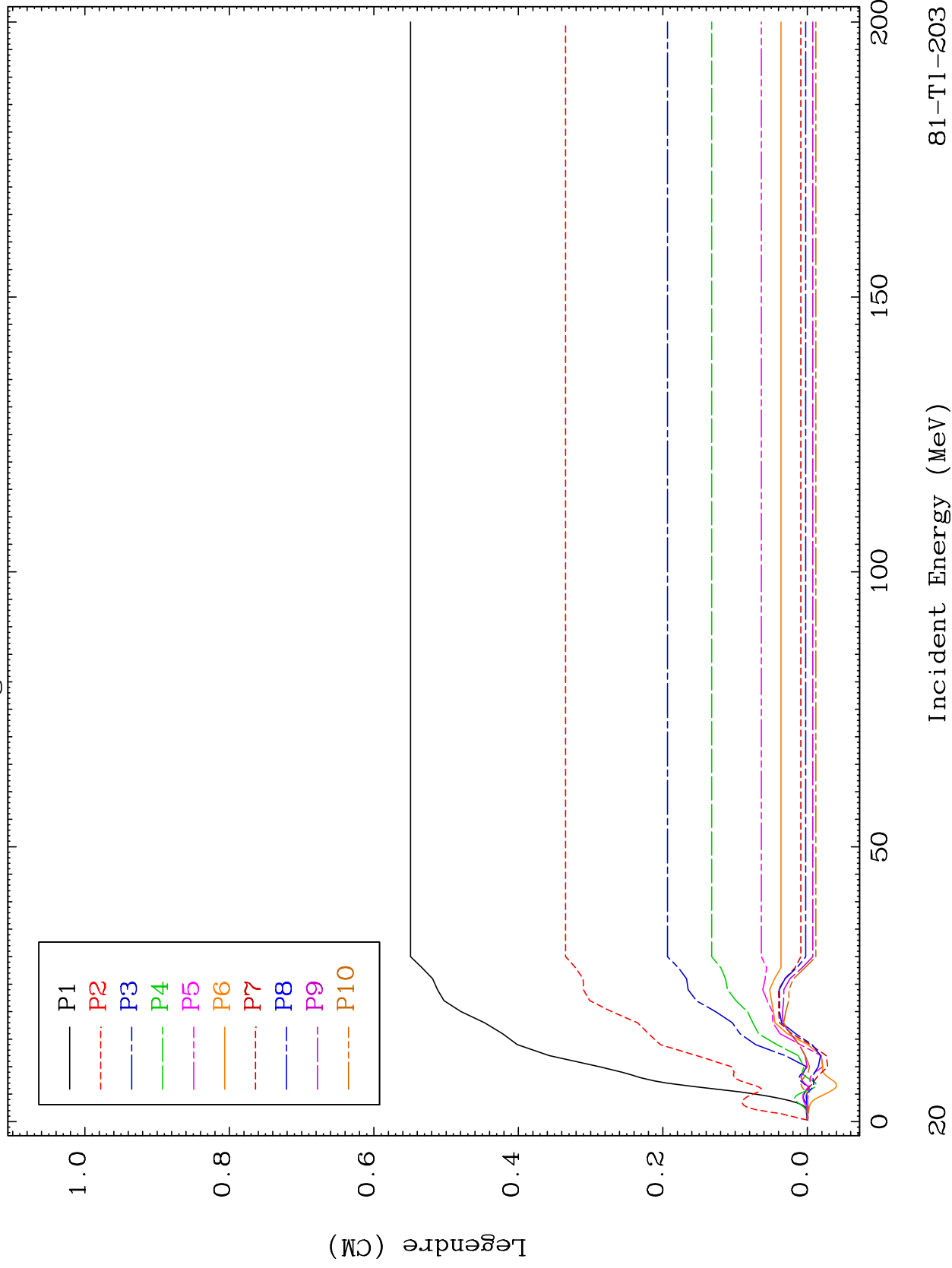
Incident Energy (MeV)

81-T1-203

MAT 8125

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

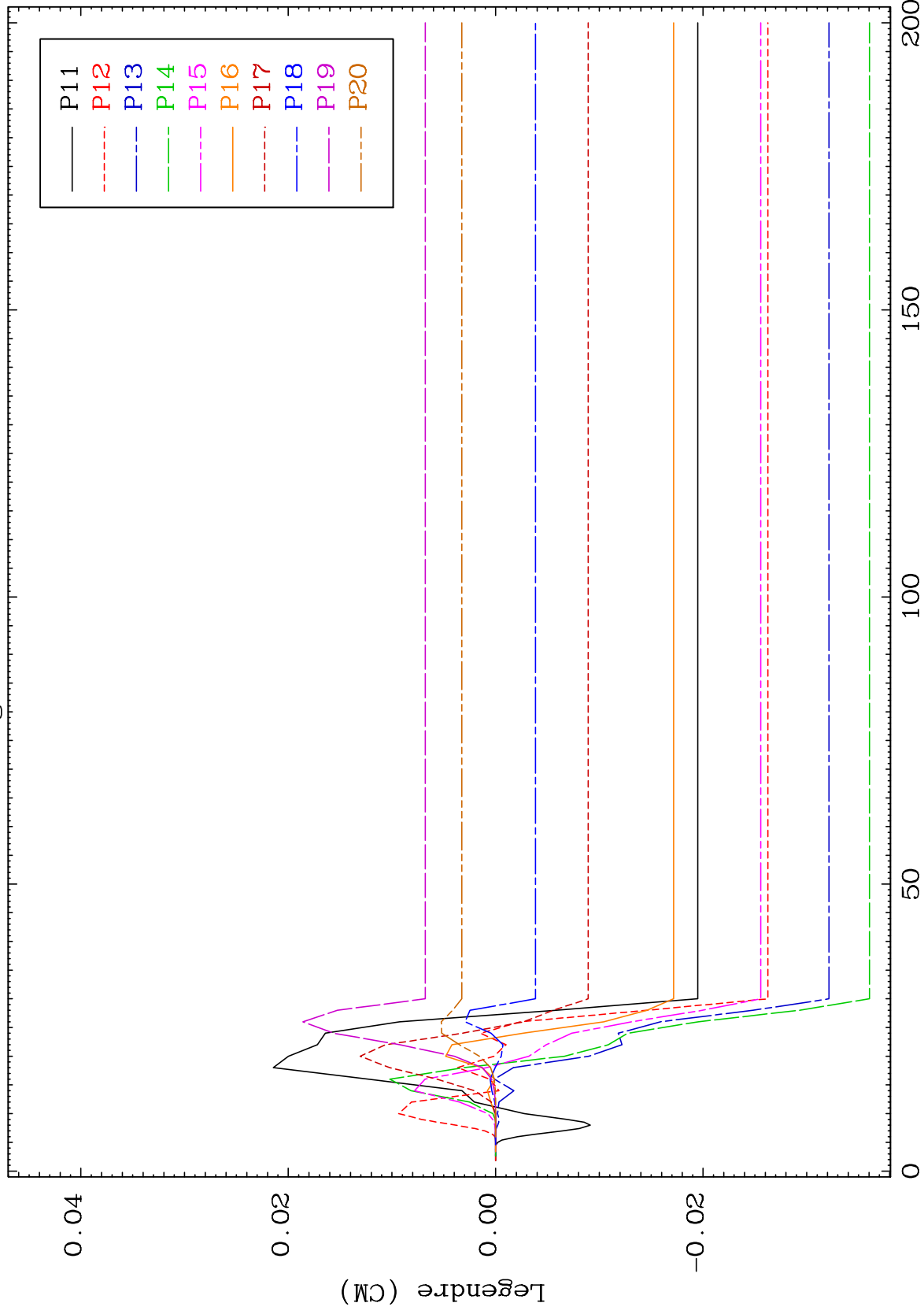
81-T1-203



MAT 8125

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

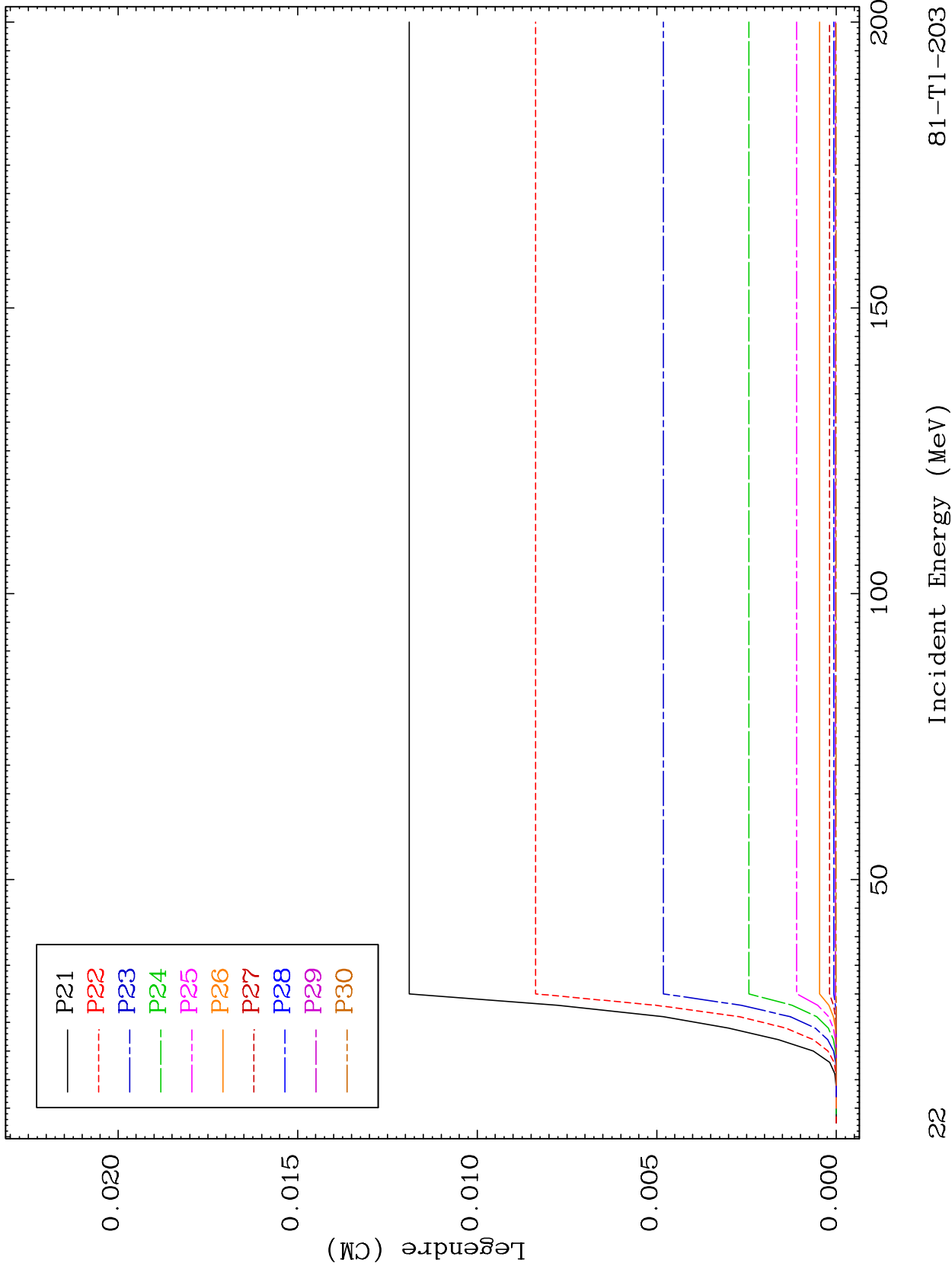
81-T1-203



21

Incident Energy (MeV)

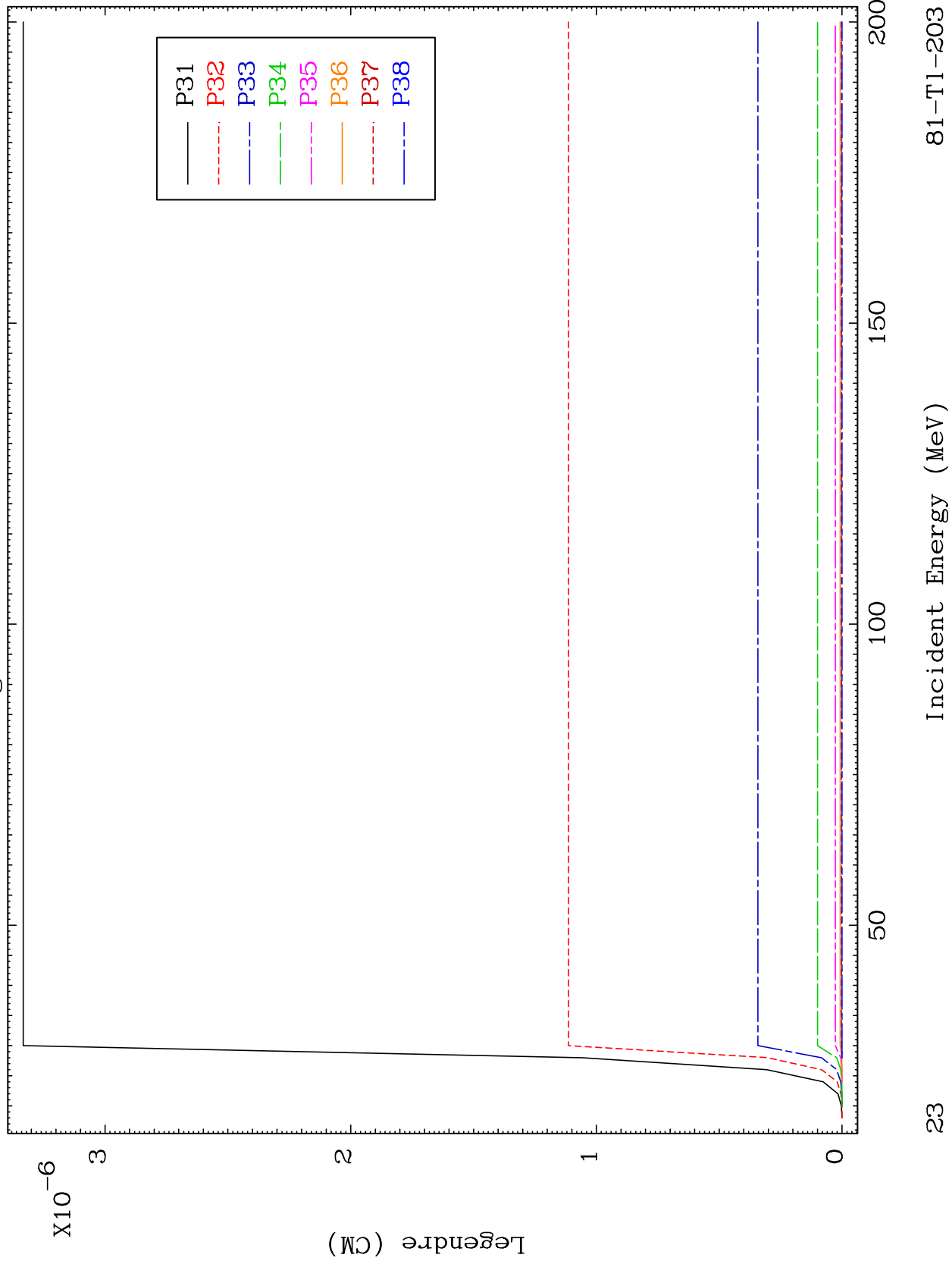
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MAT 8125

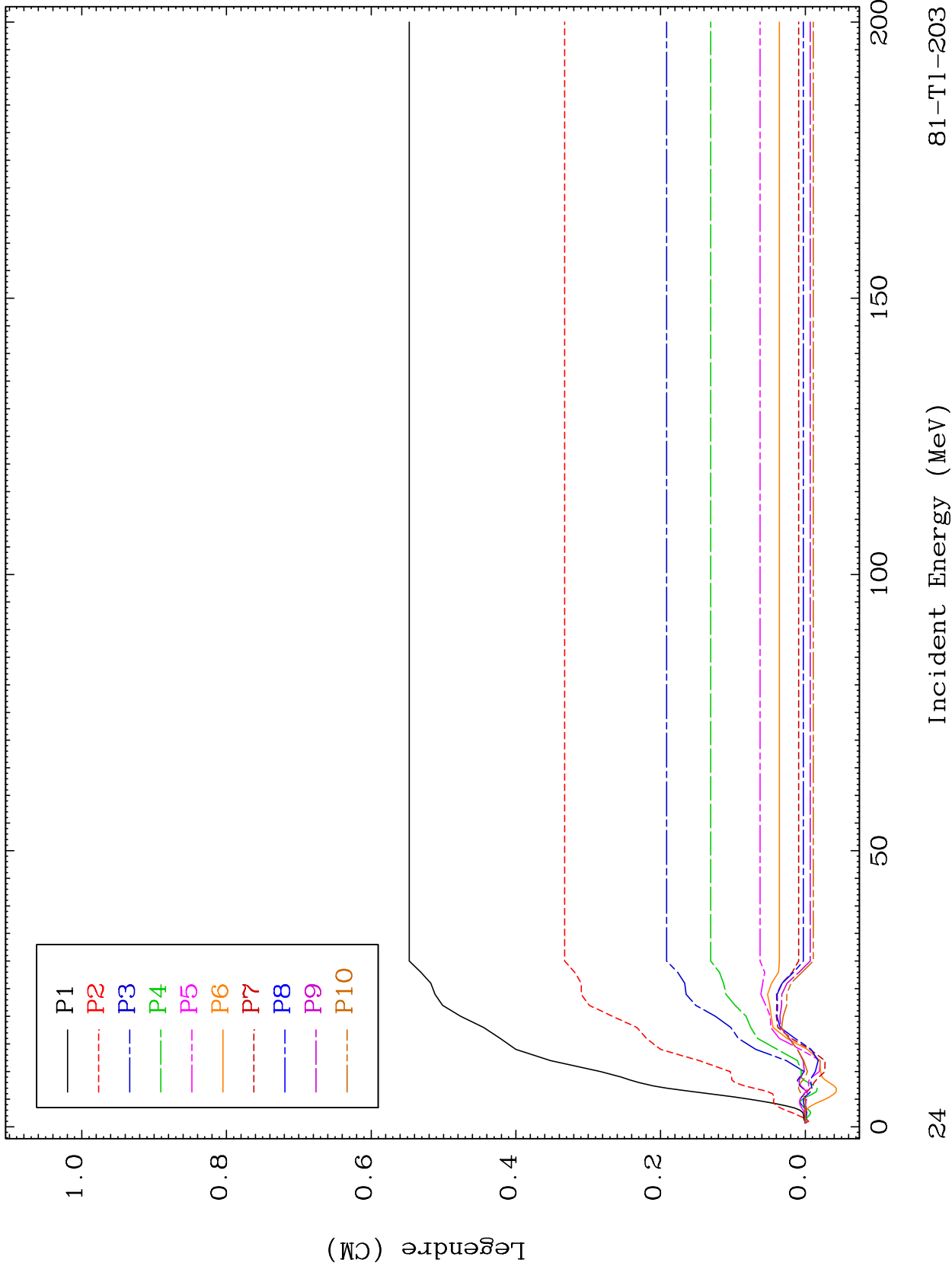
MT= 51 (n,n') Level
Legendre Coefficients

81-T1-203



23

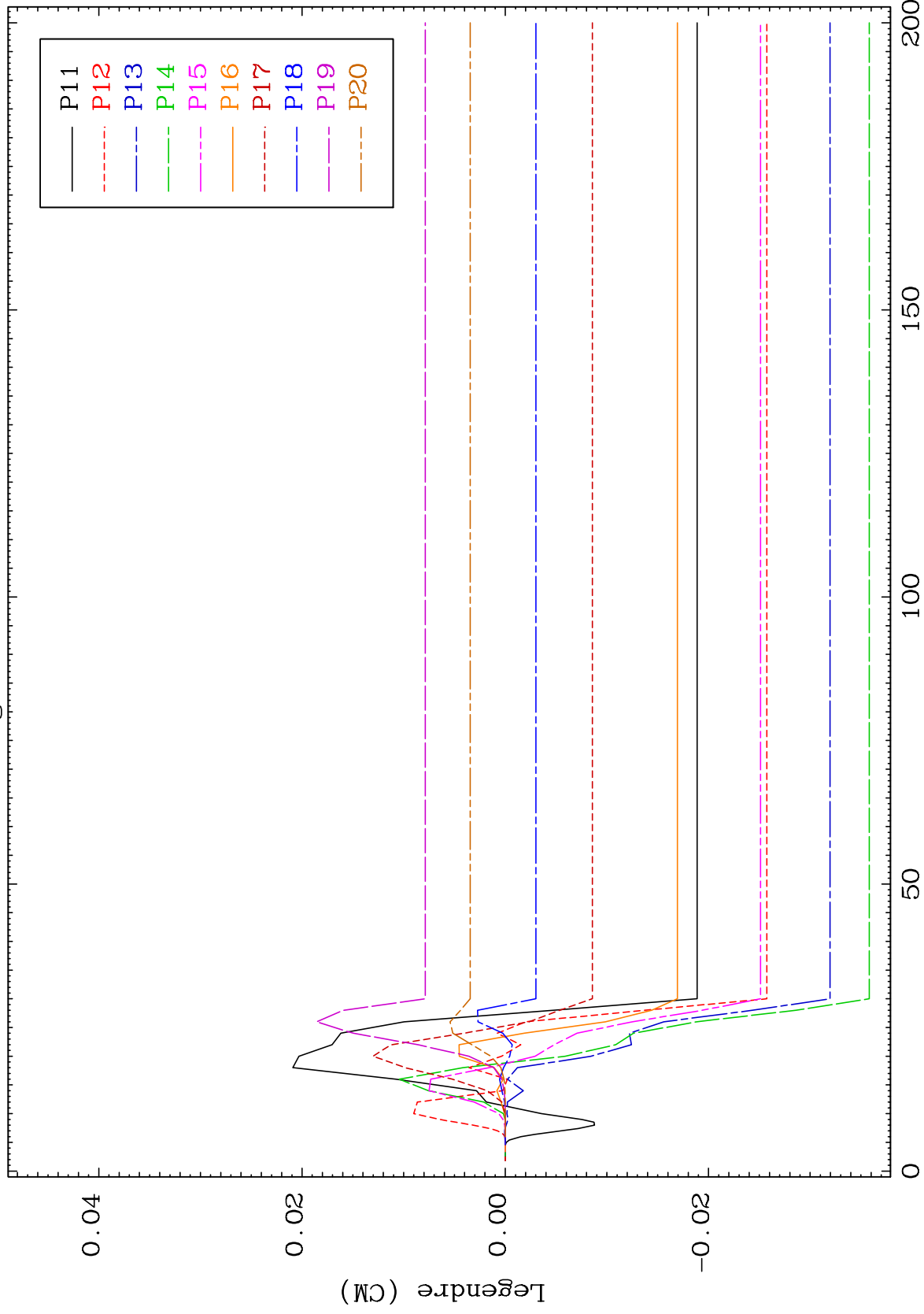
81-T1-203



MAT 8125

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

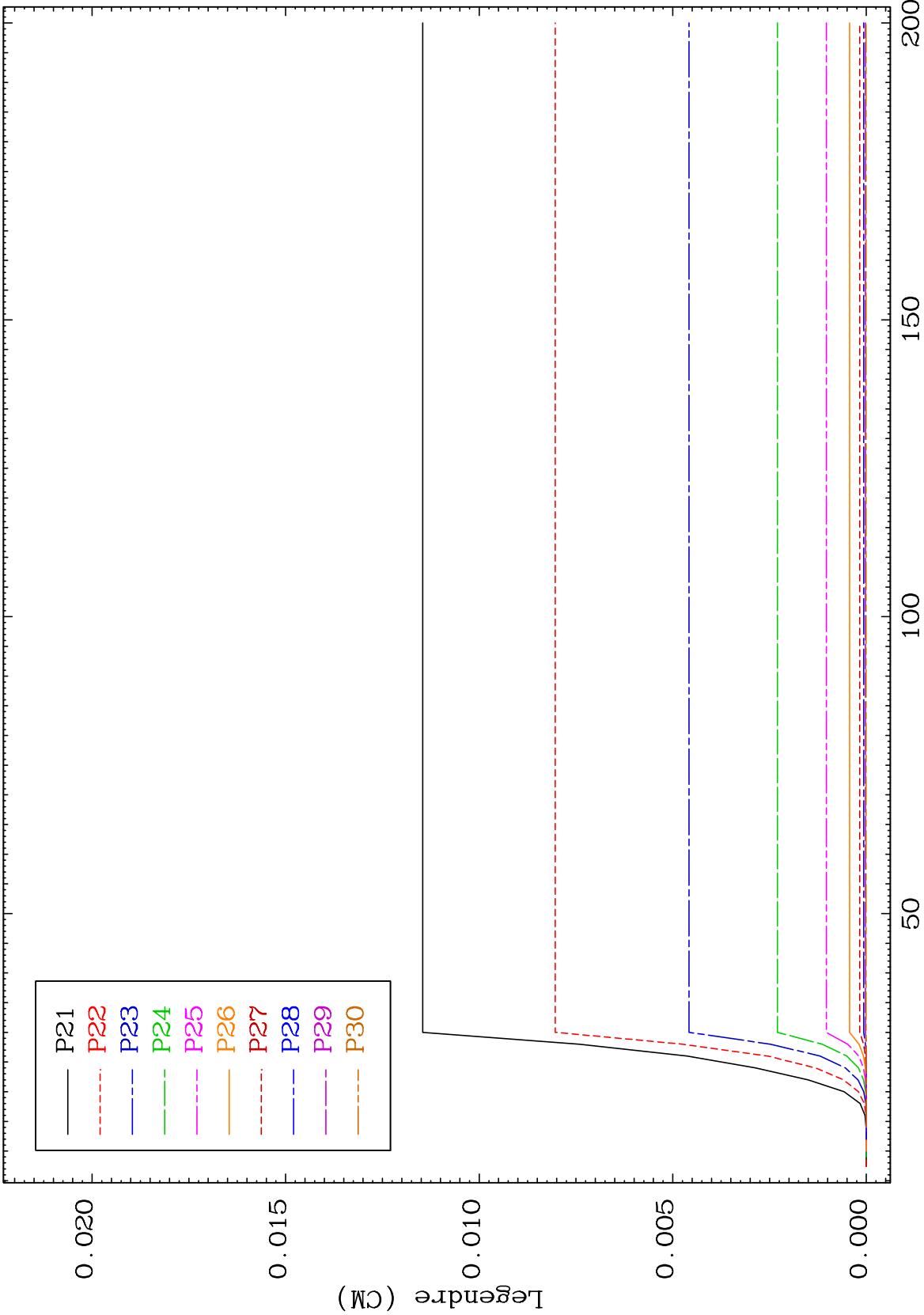
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25

Incident Energy (MeV)

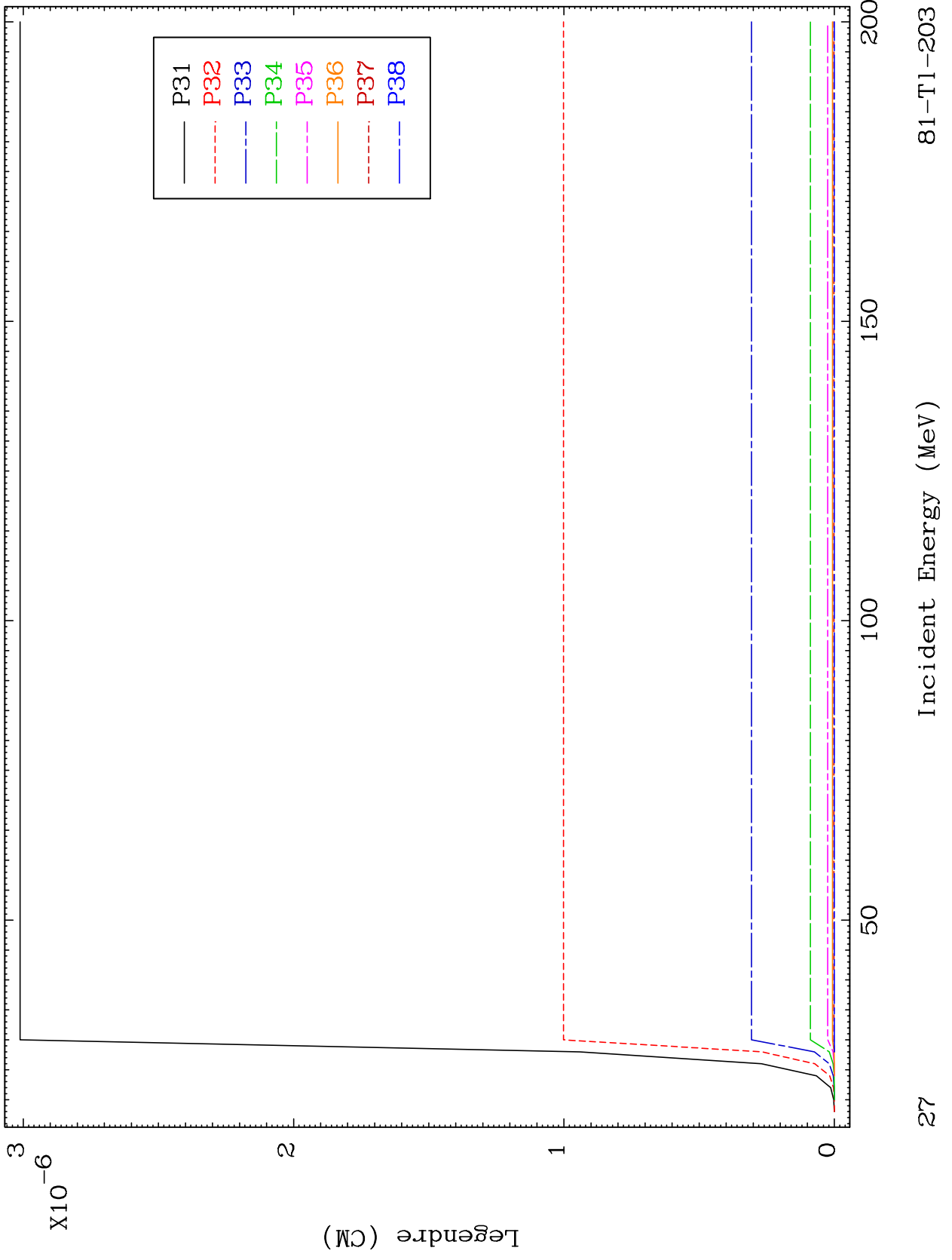
81-T1-203



MAT 8125

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

81-T1-203



27

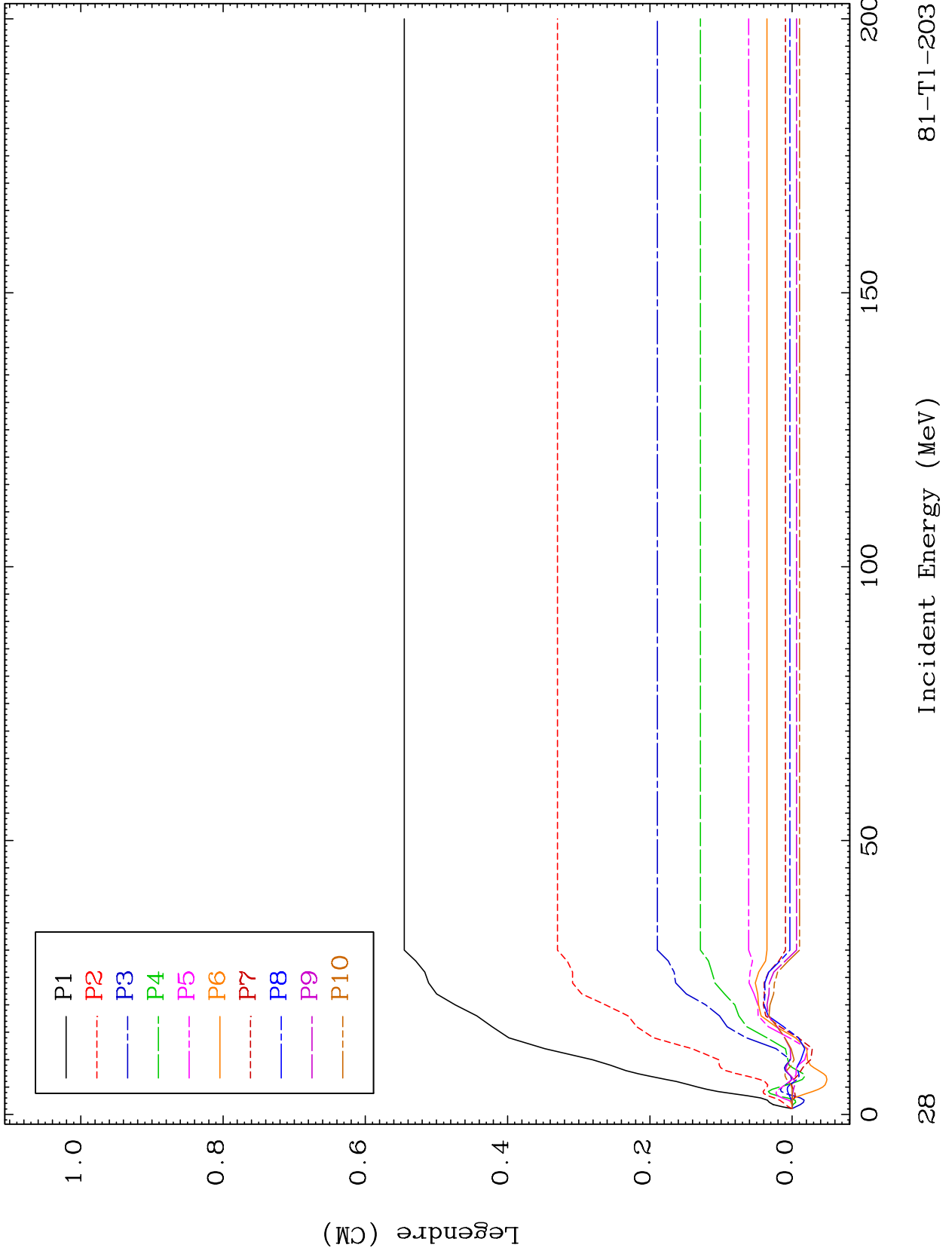
Incident Energy (MeV)

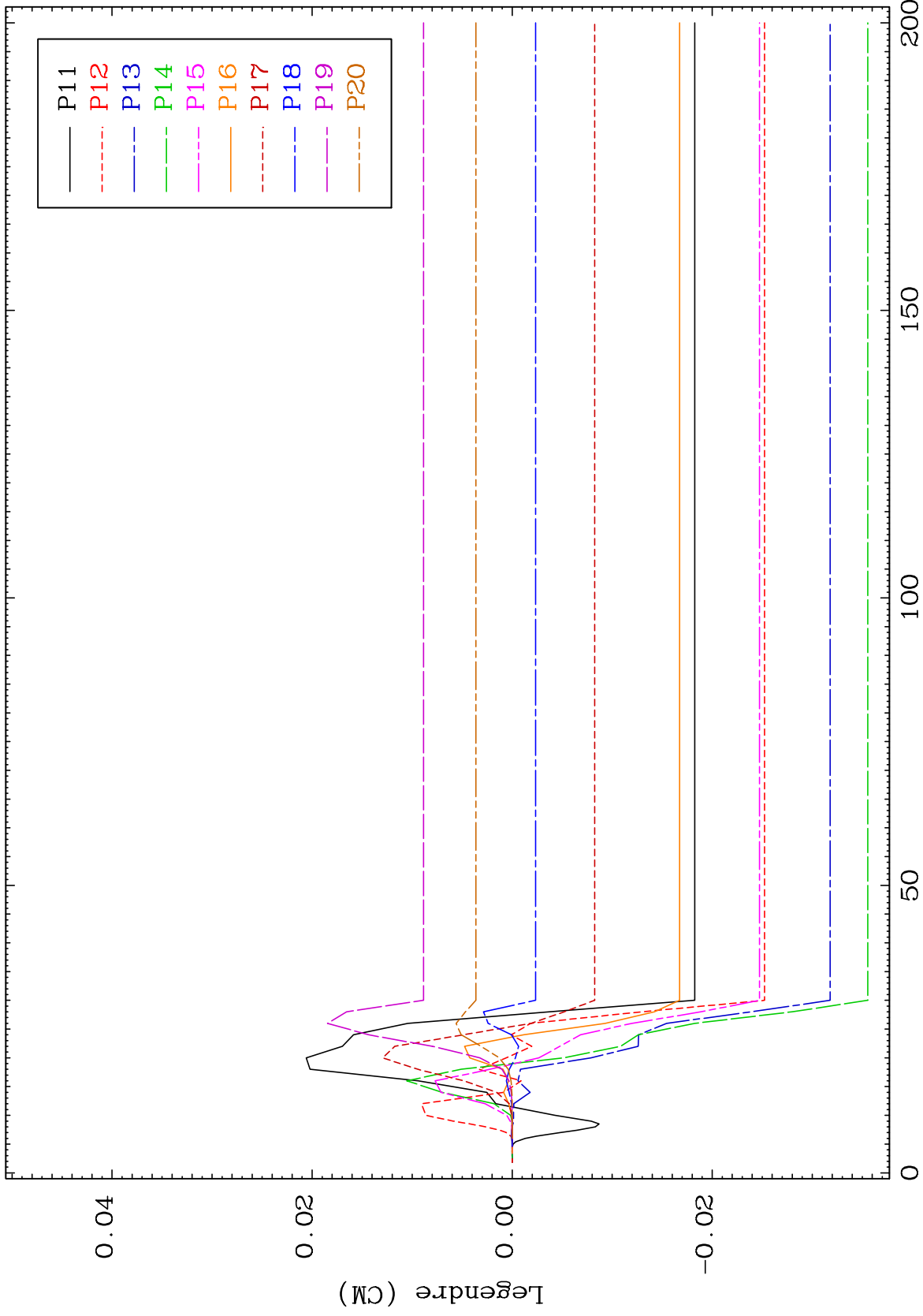
81-T1-203

MAT 8125

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

81-T1-203

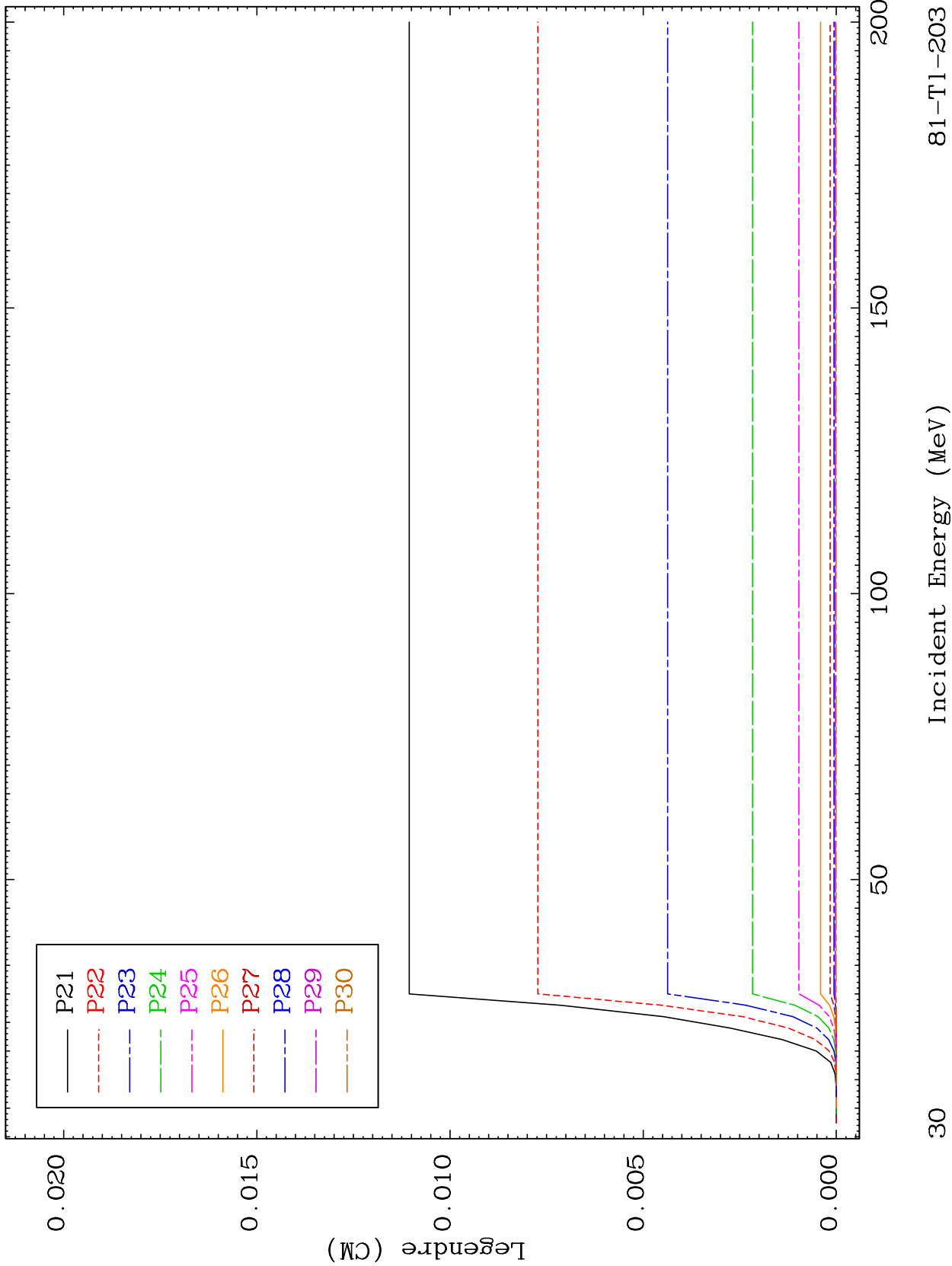




MAT 8125

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

81-T1-203



30

Incident Energy (MeV)

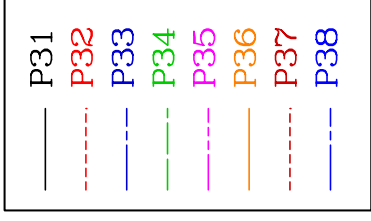
81-T1-203

MAT 8125

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

81-T1-203

$\times 10^{-6}$
2.5
2.0
1.5
1.0
0.5
0.0



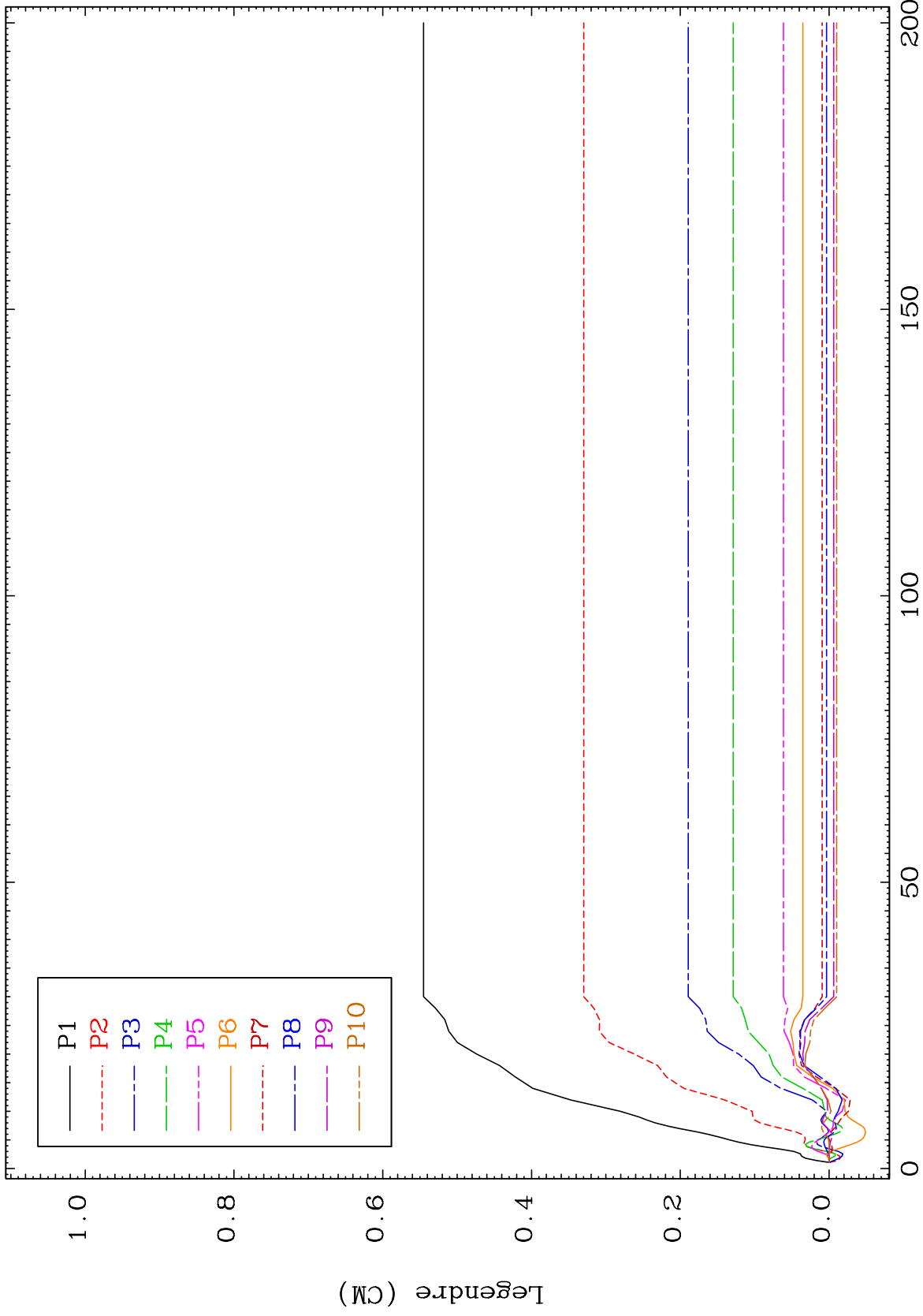
Legendre (CM)

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31

Incident Energy (MeV)

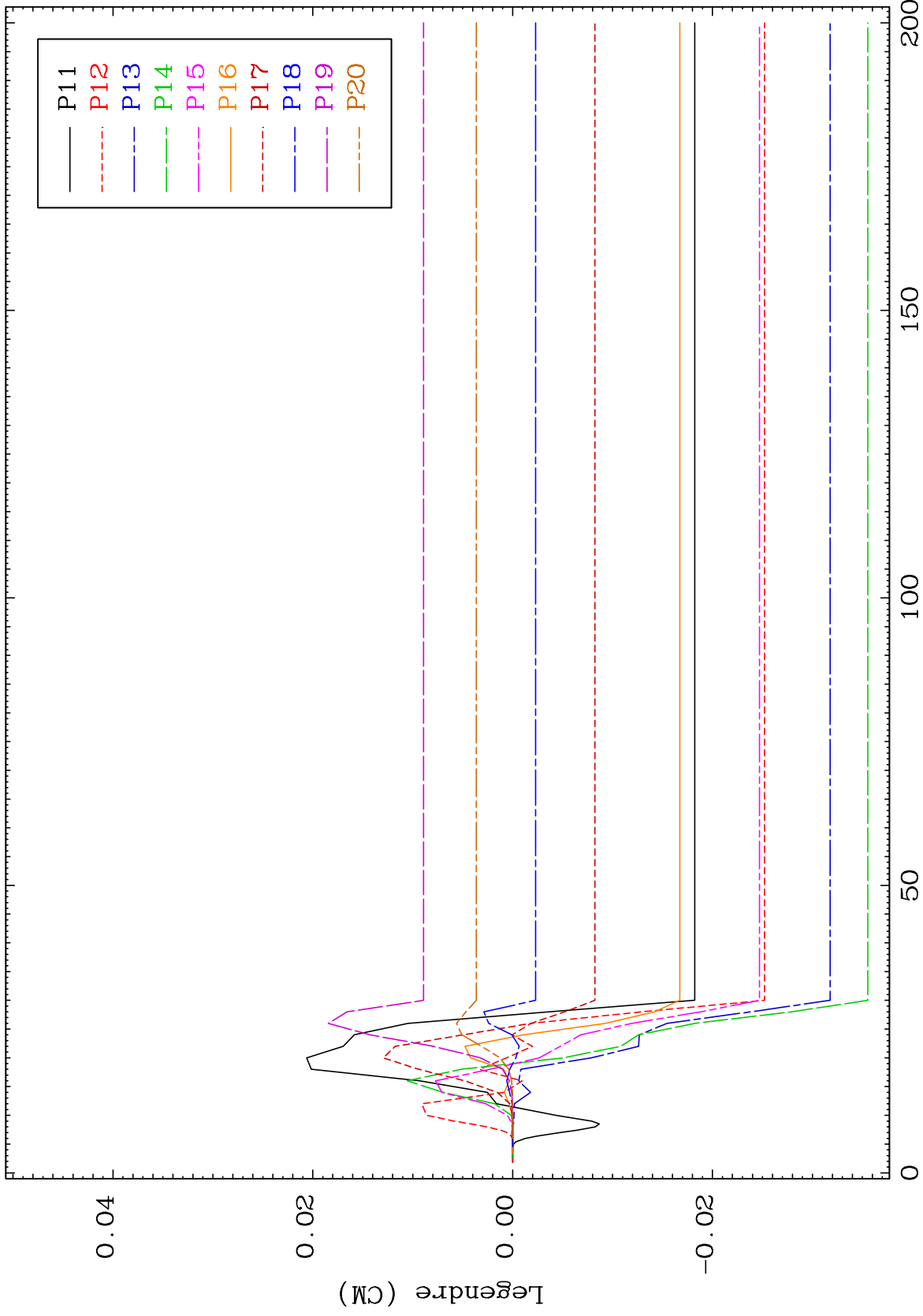
81-T1-203



MAT 8125

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

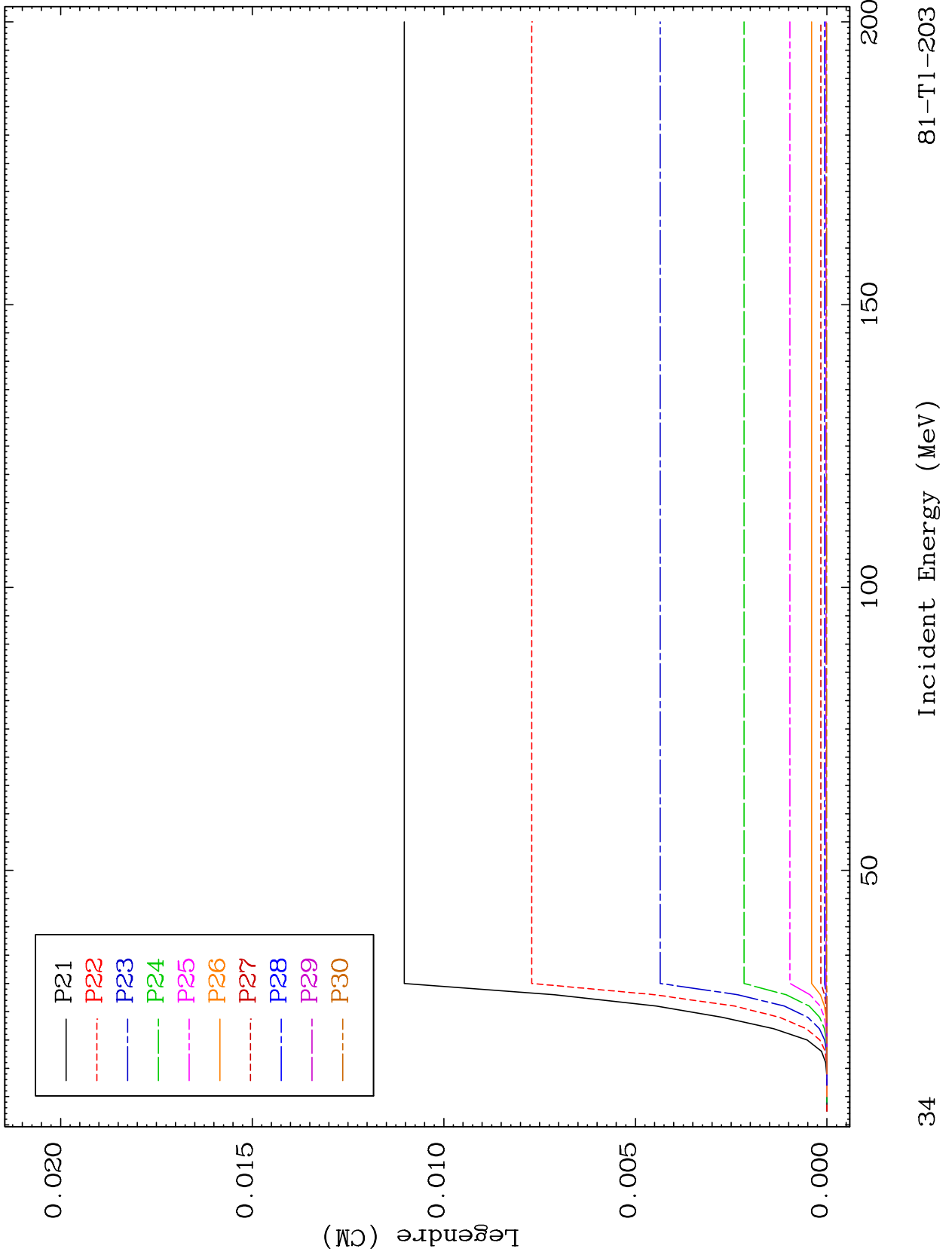
81-T1-203



33

Incident Energy (MeV)

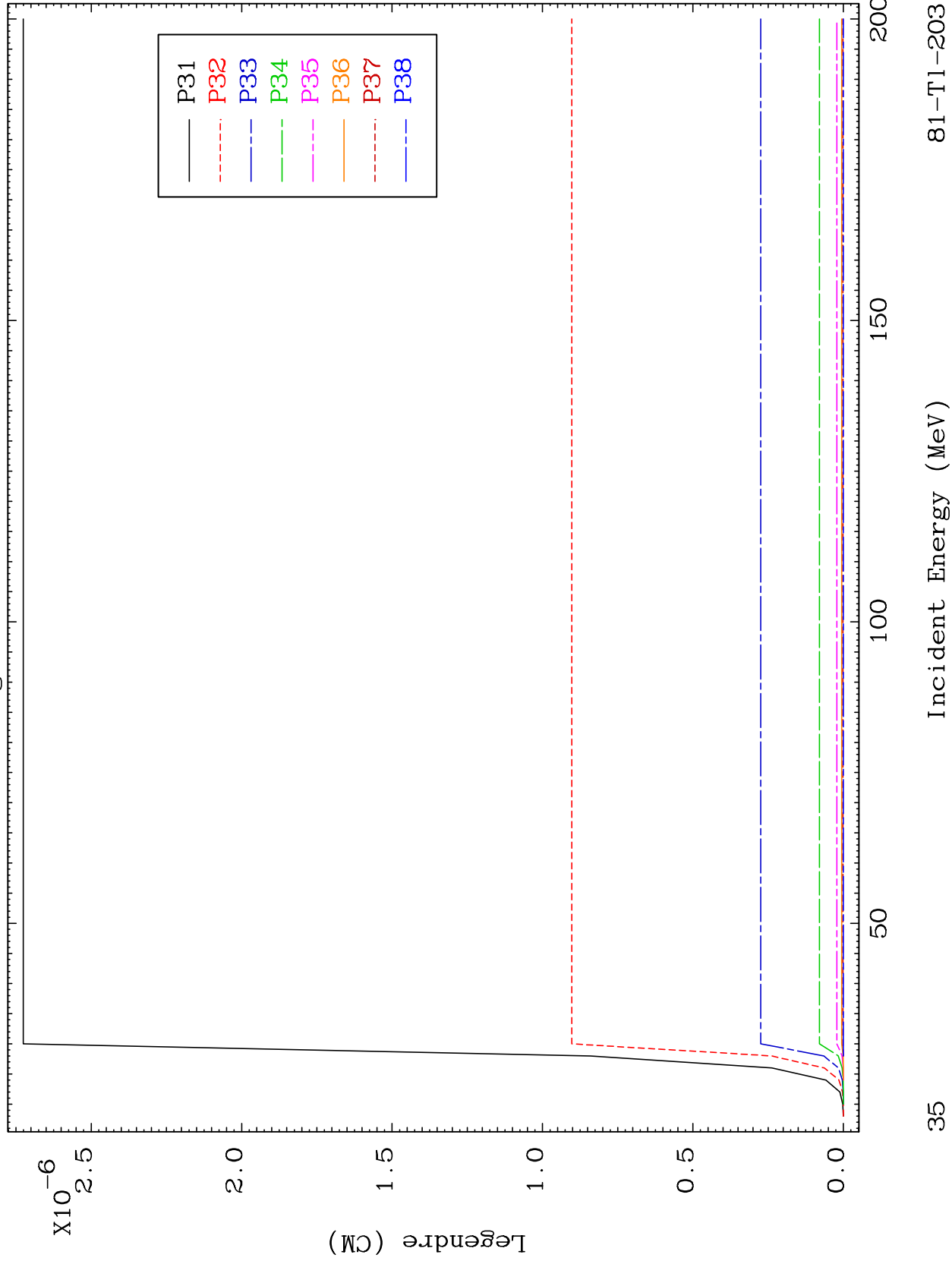
81-T1-203



MAT 8125

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

81-T1-203



35

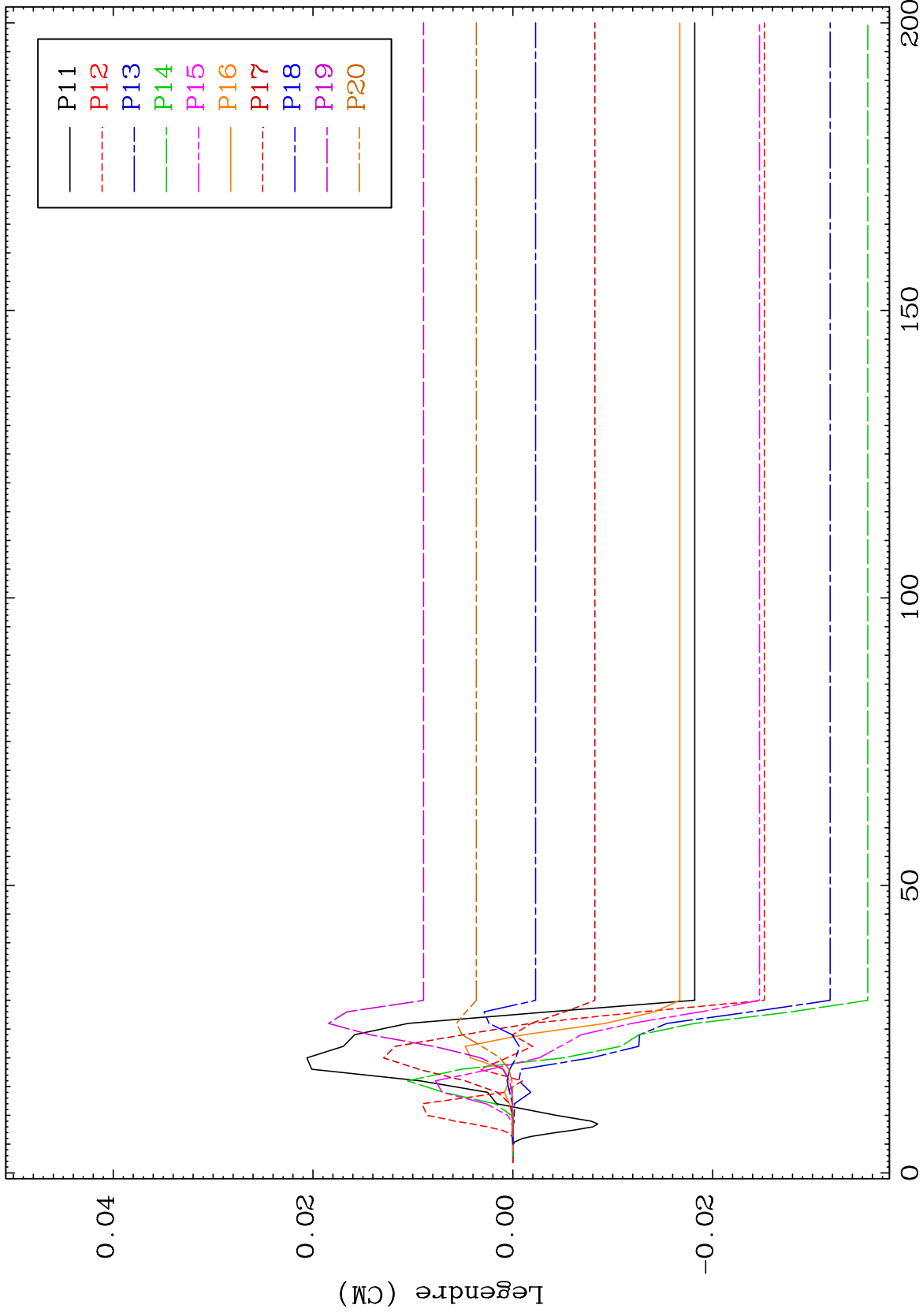
Incident Energy (MeV)

81-T1-203

MAT 8125

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

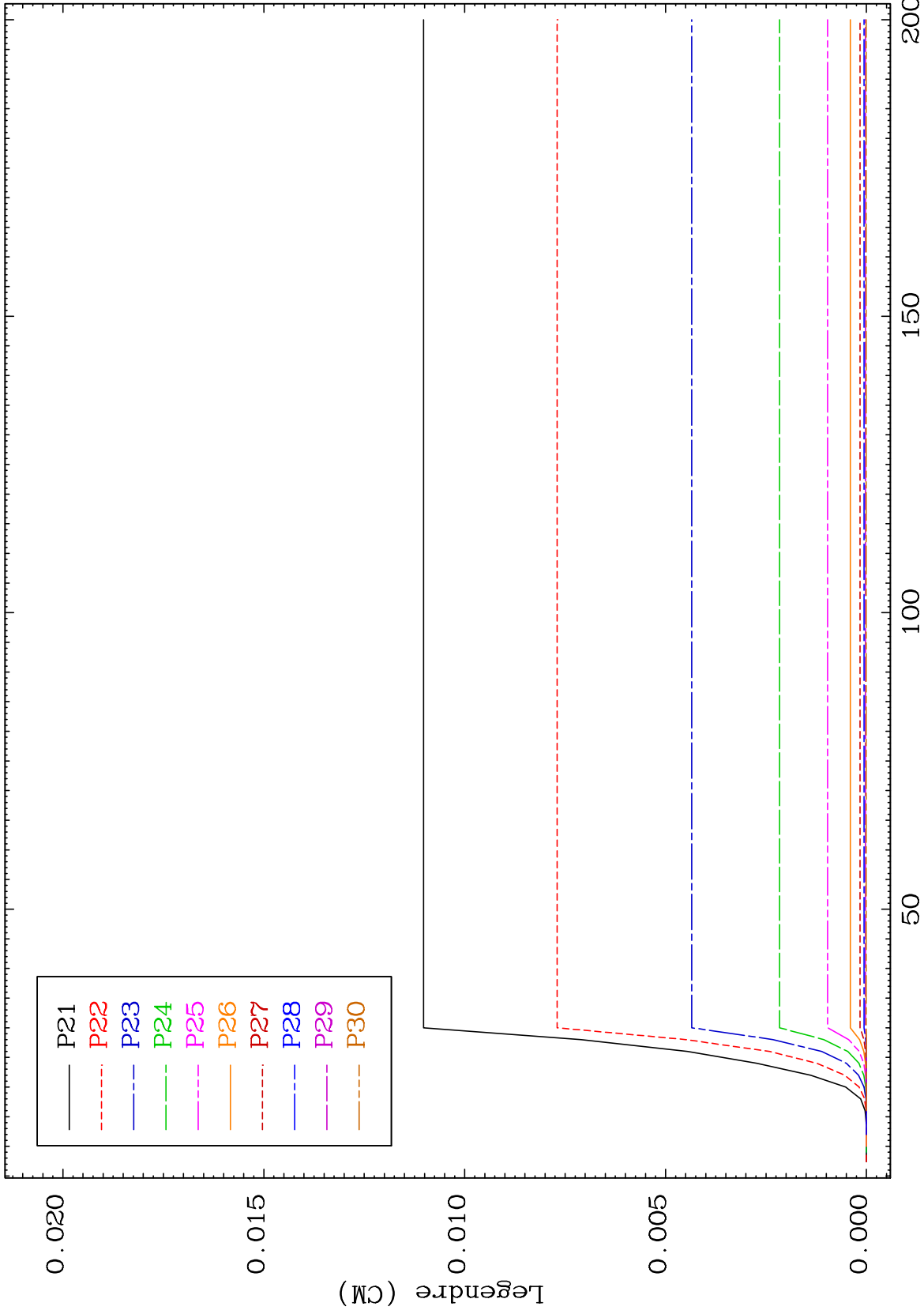
81-T1-203



37

Incident Energy (MeV)

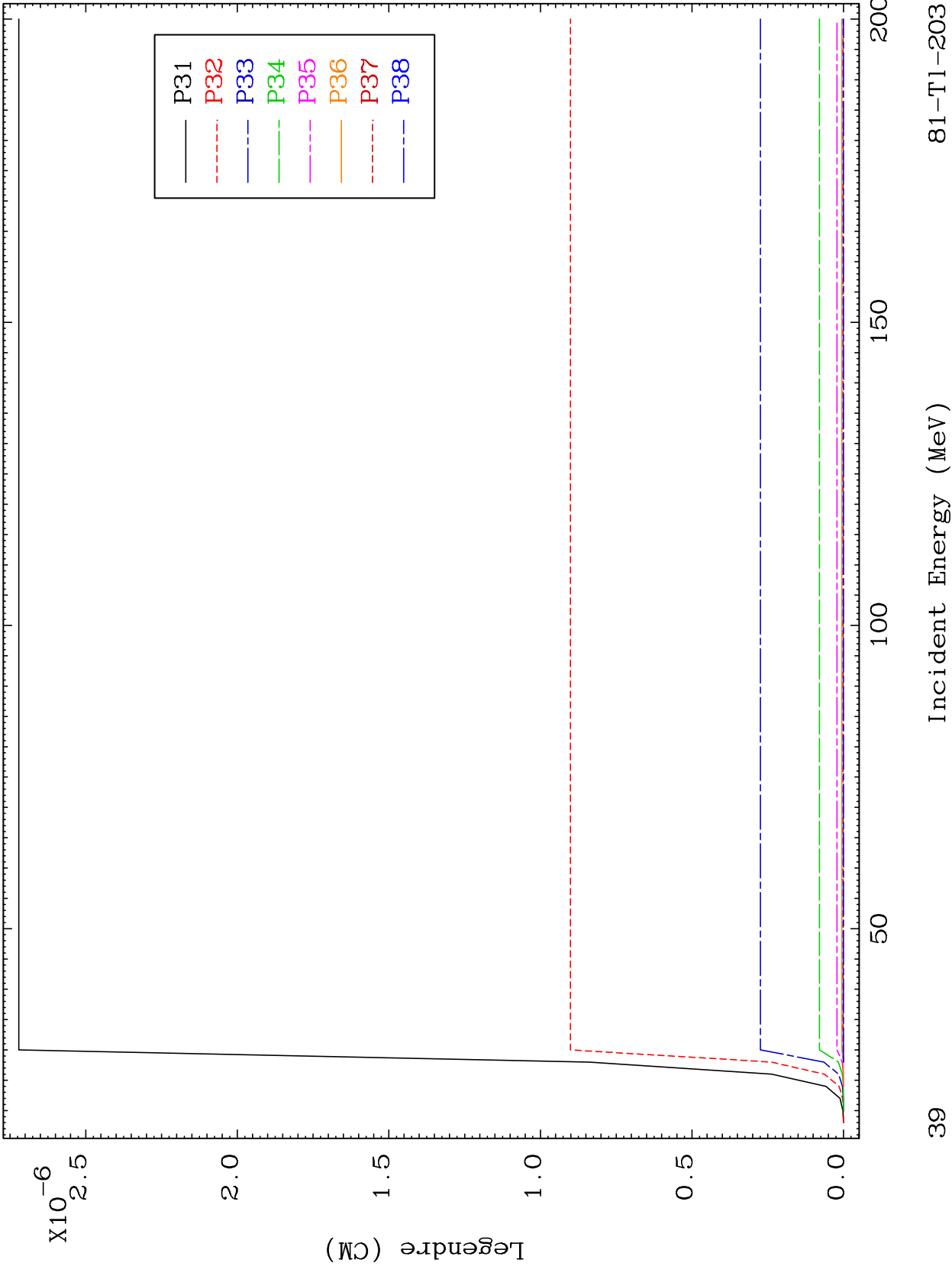
81-T1-203



MAT 8125

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

81-T1-203



39

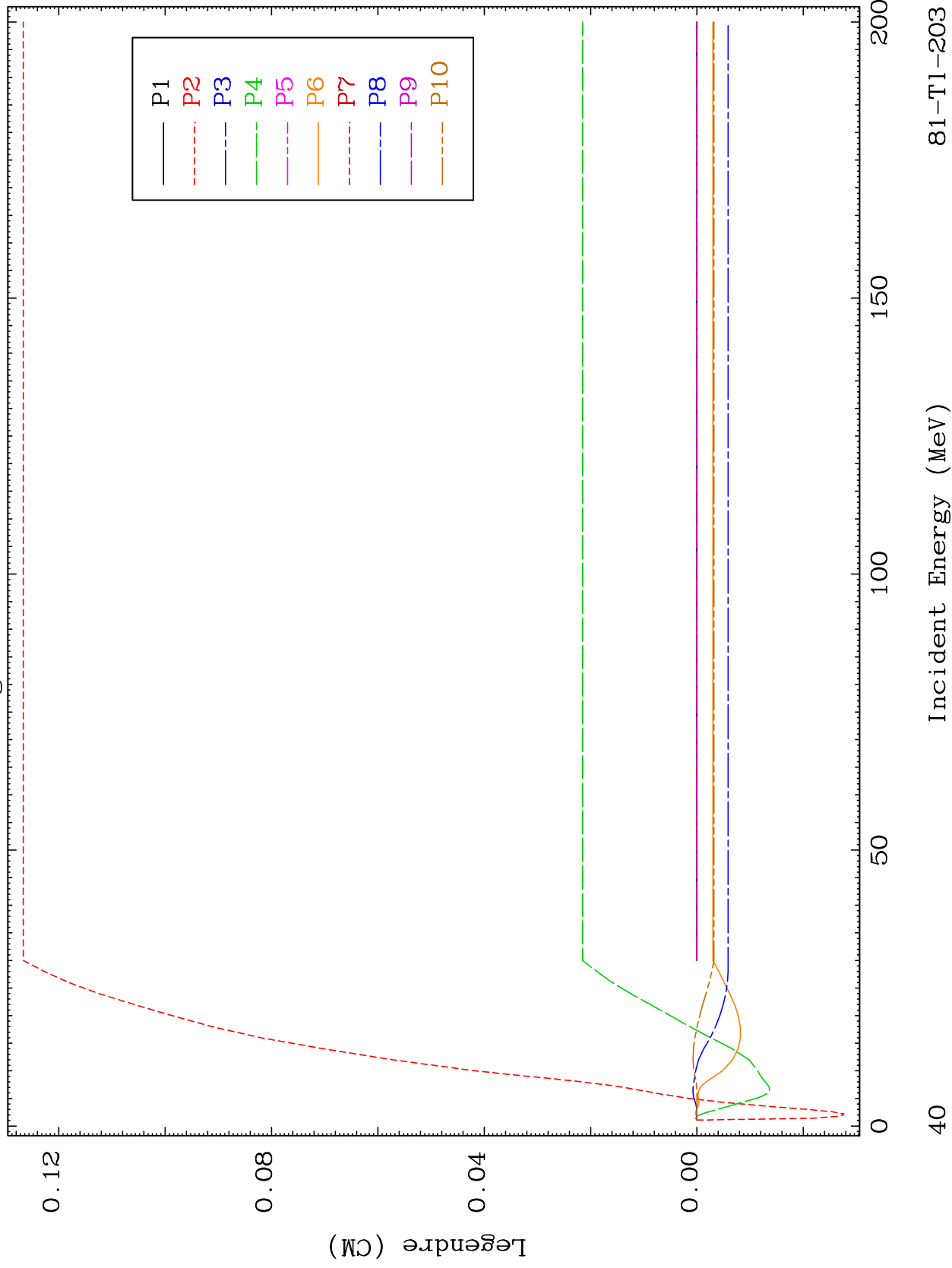
Incident Energy (MeV)

81-T1-203

MAT 8125

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

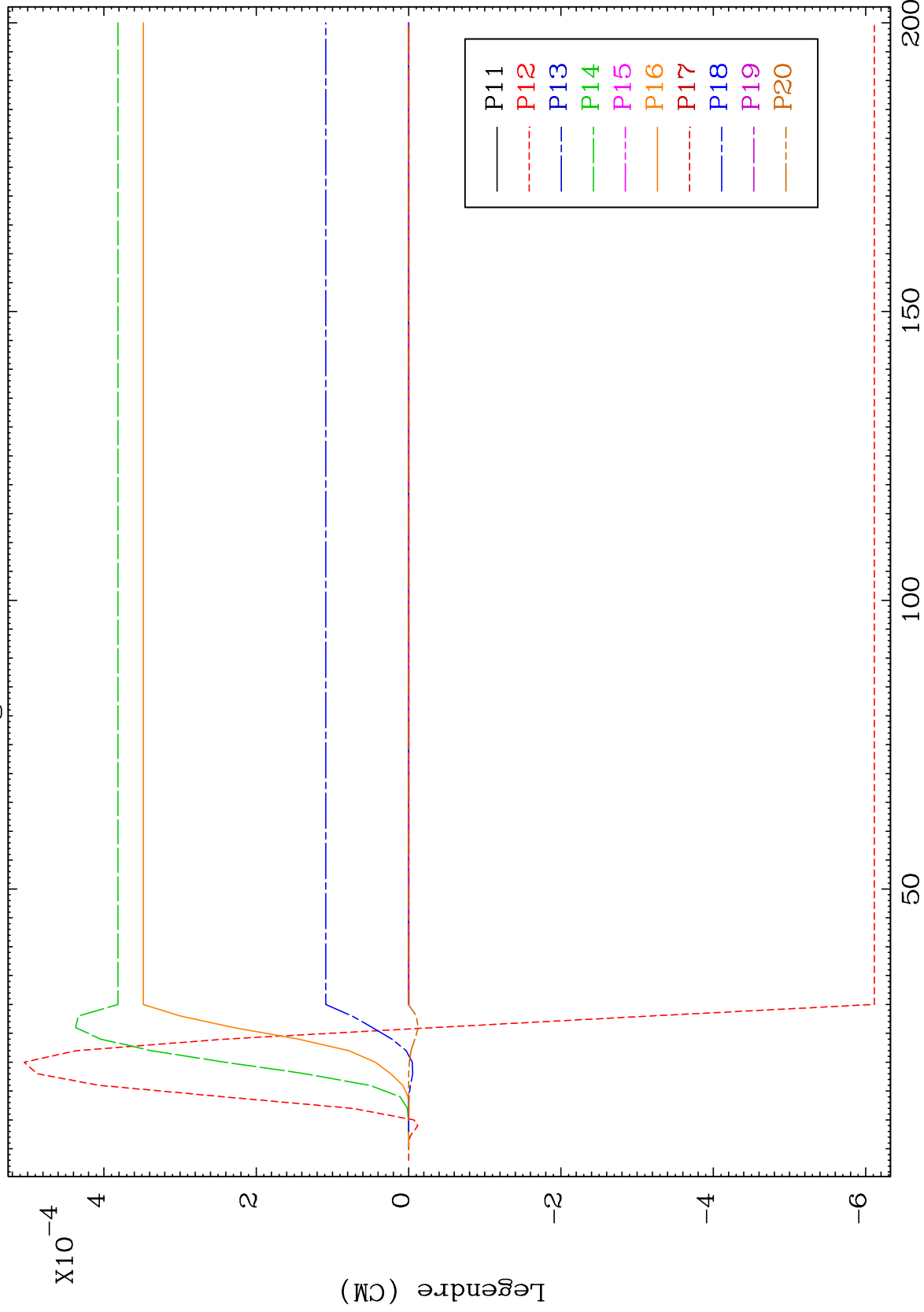
81-T1-203



MAT 8125

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

81-T1-203



41

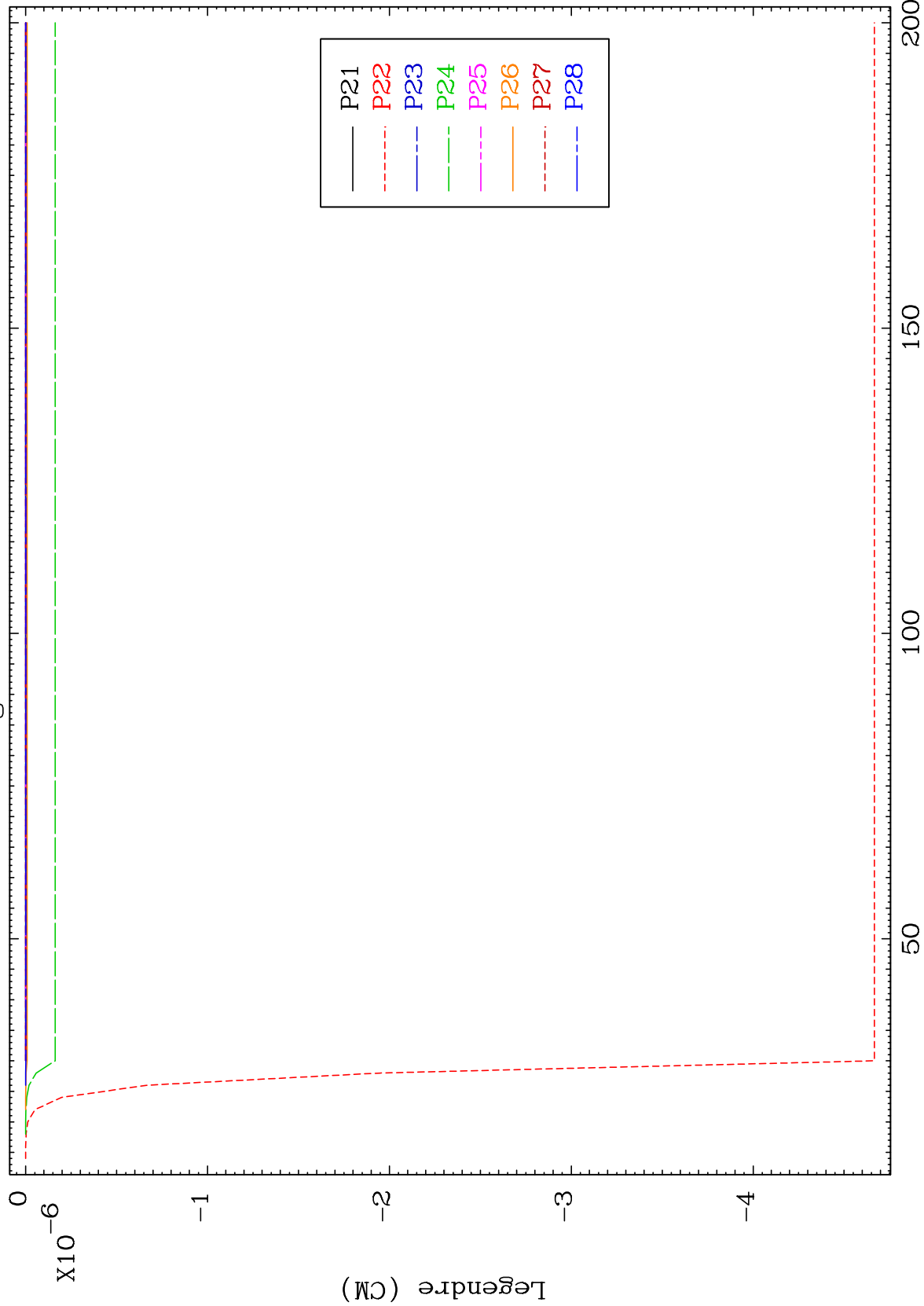
Incident Energy (MeV)

81-T1-203

MAT 8125

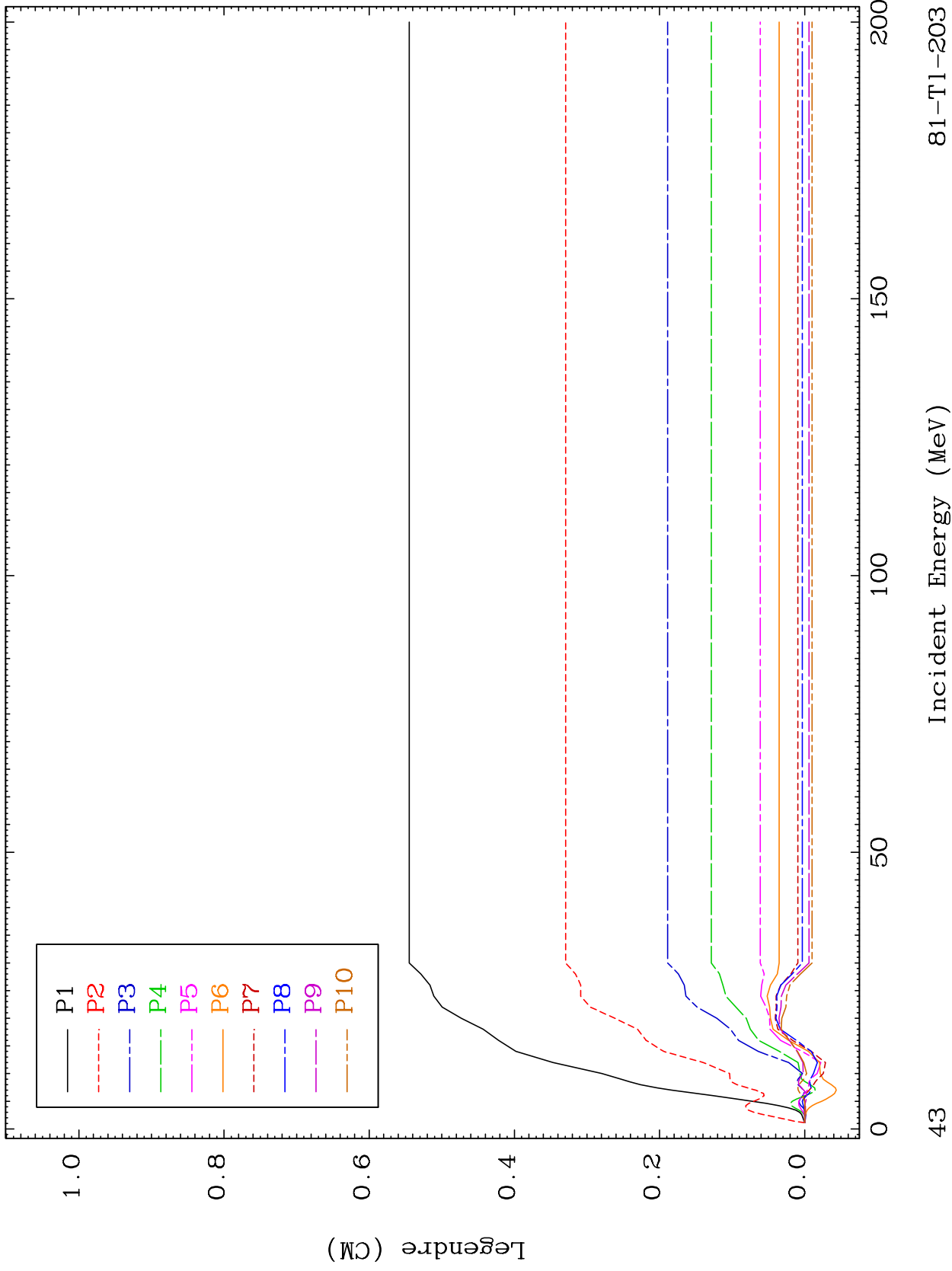
MT= 56 (n,n') Level
Legendre Coefficients

81-T1-203



42

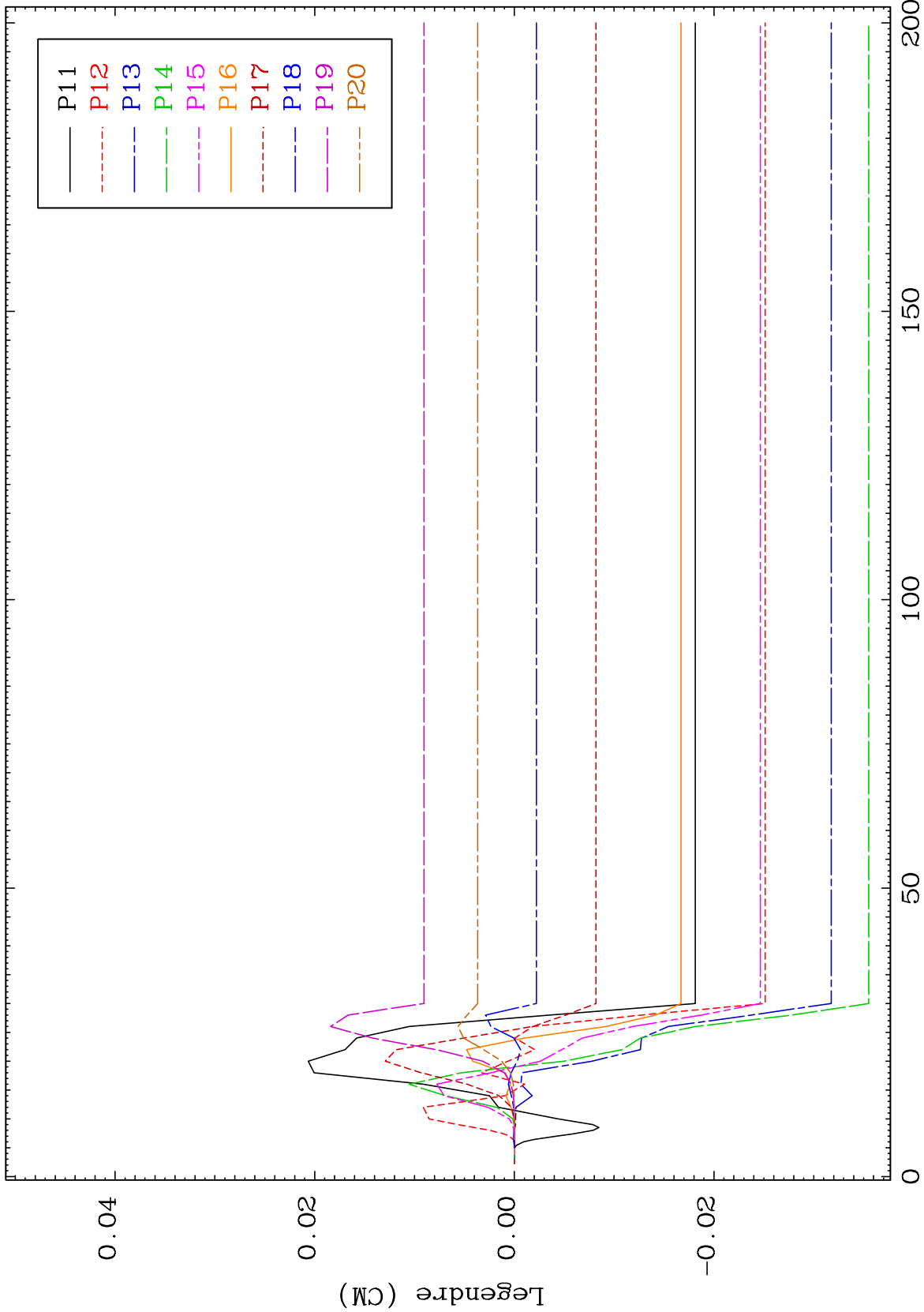
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MAT 8125

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

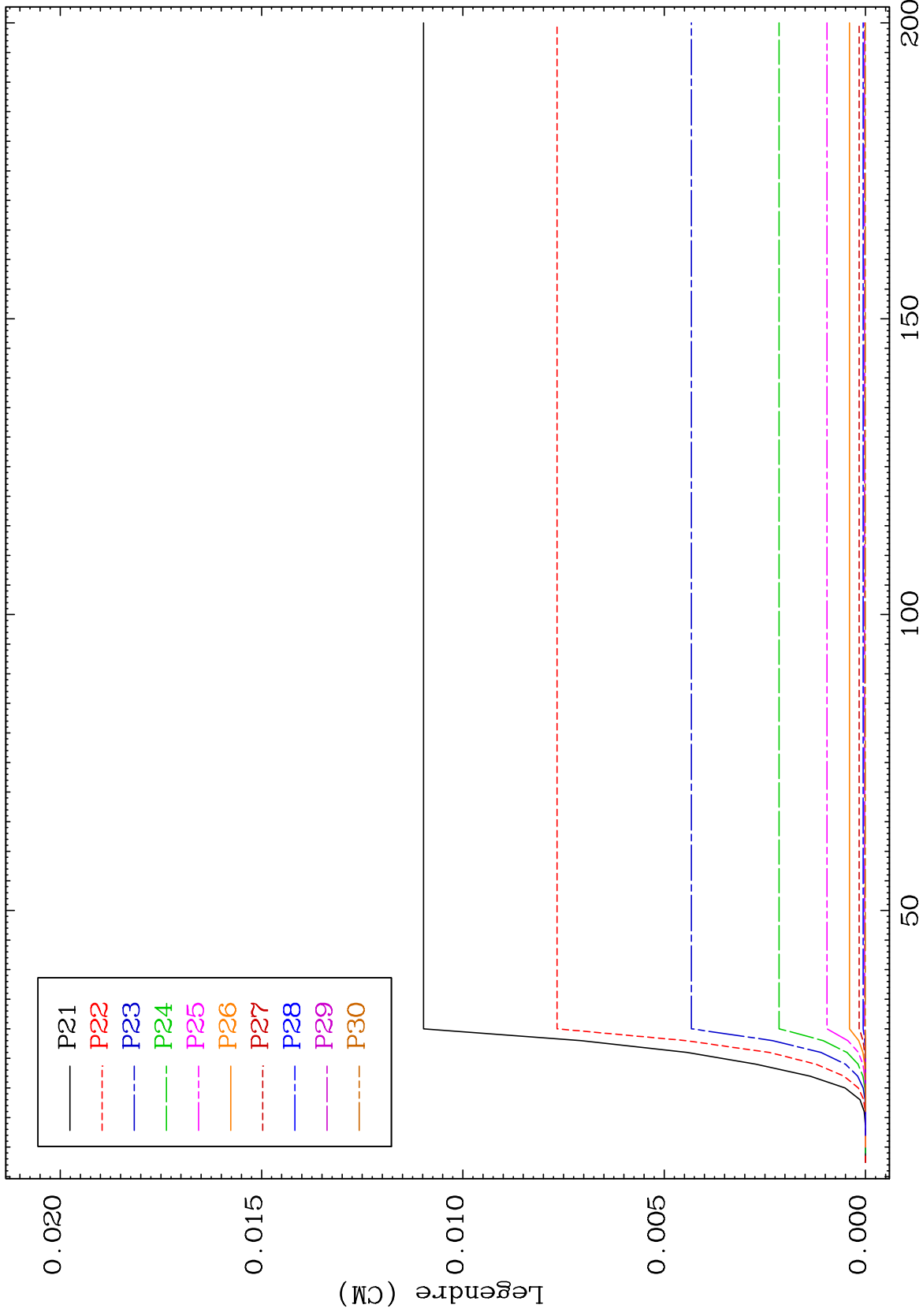
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MAT 8125

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

81-T1-203



45

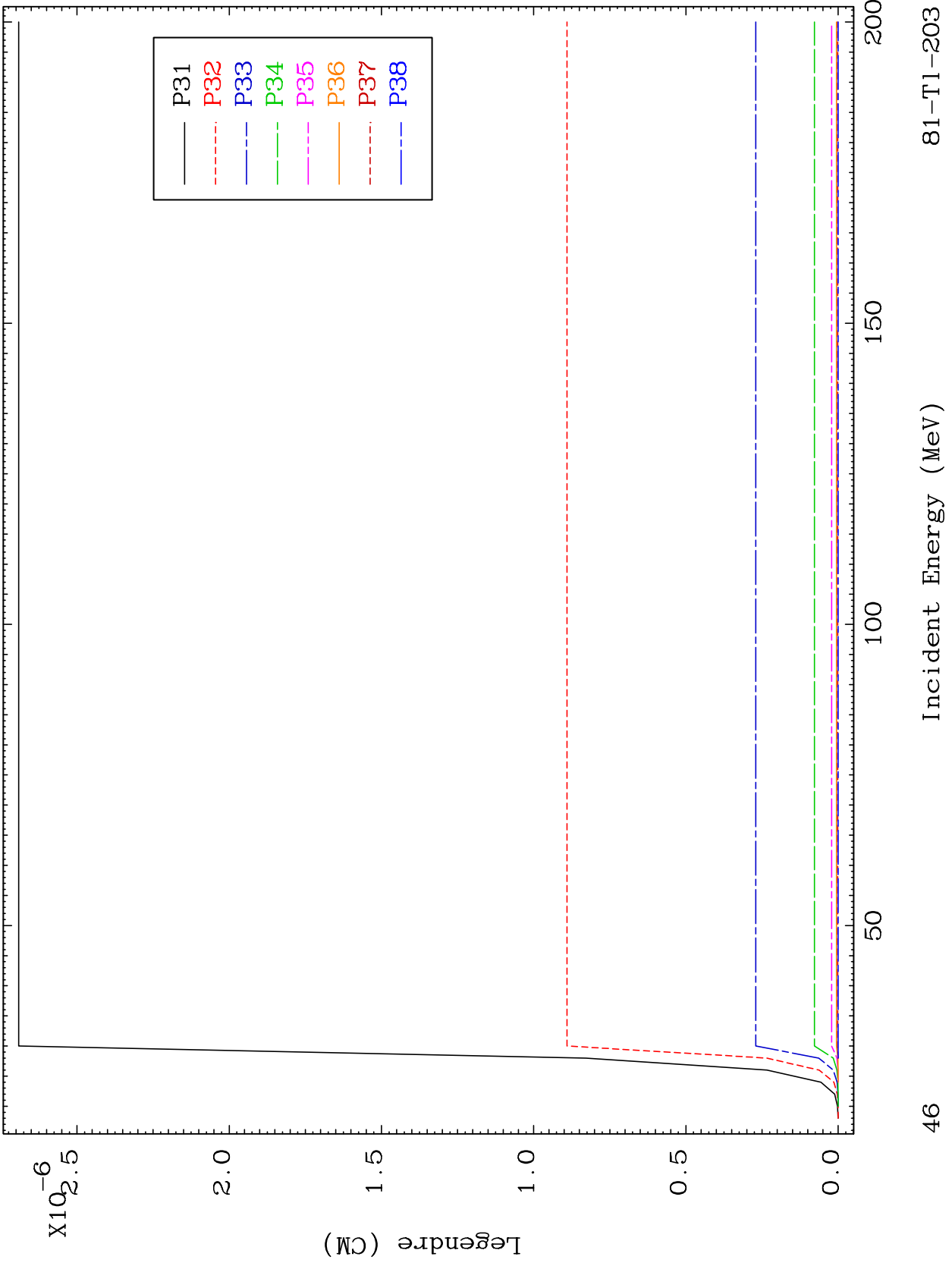
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



46

Incident Energy (MeV)

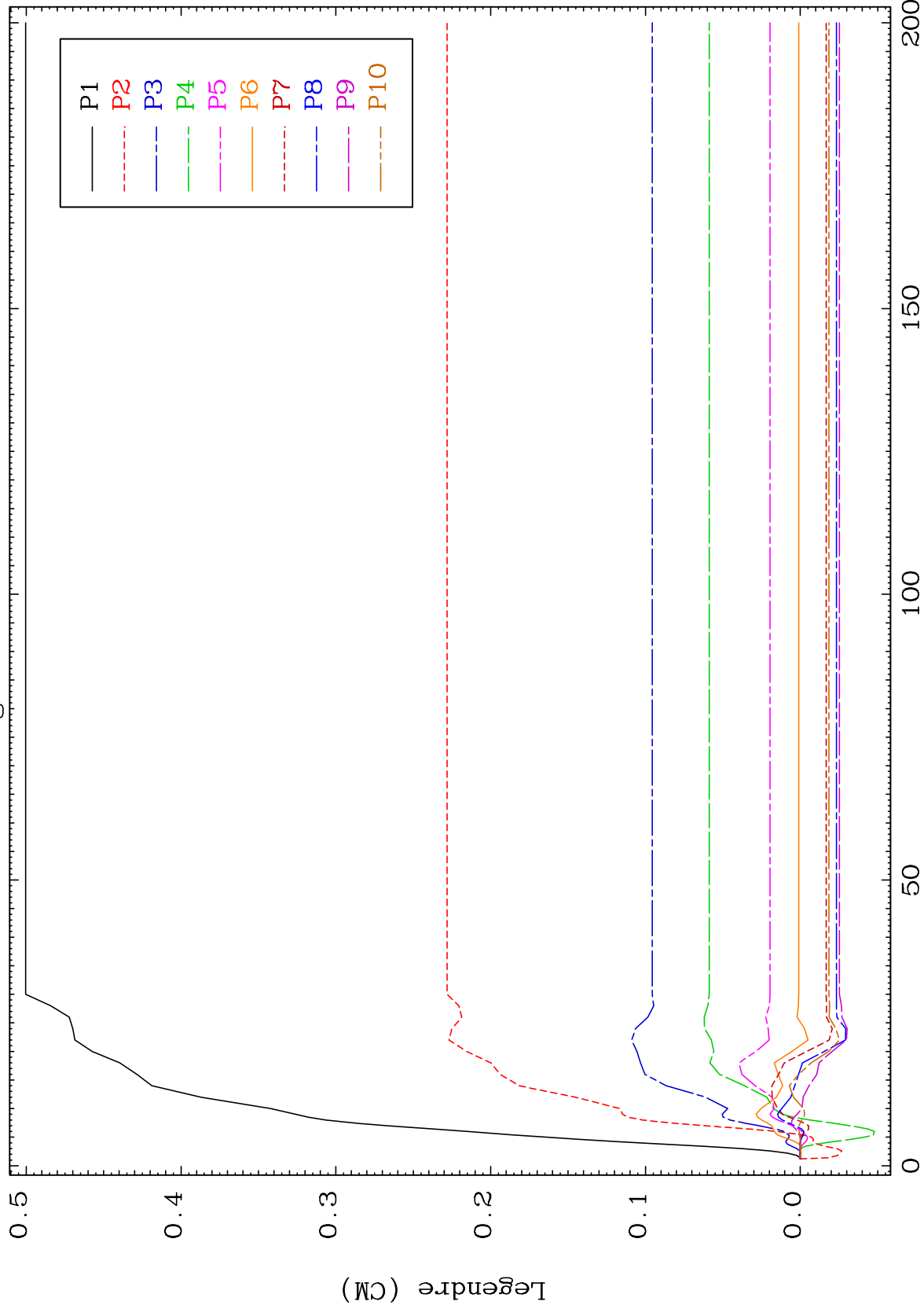
81-T1-203

MAT 8125

MT= 58 (n,n') Level

81-T1-203

Legendre Coefficients



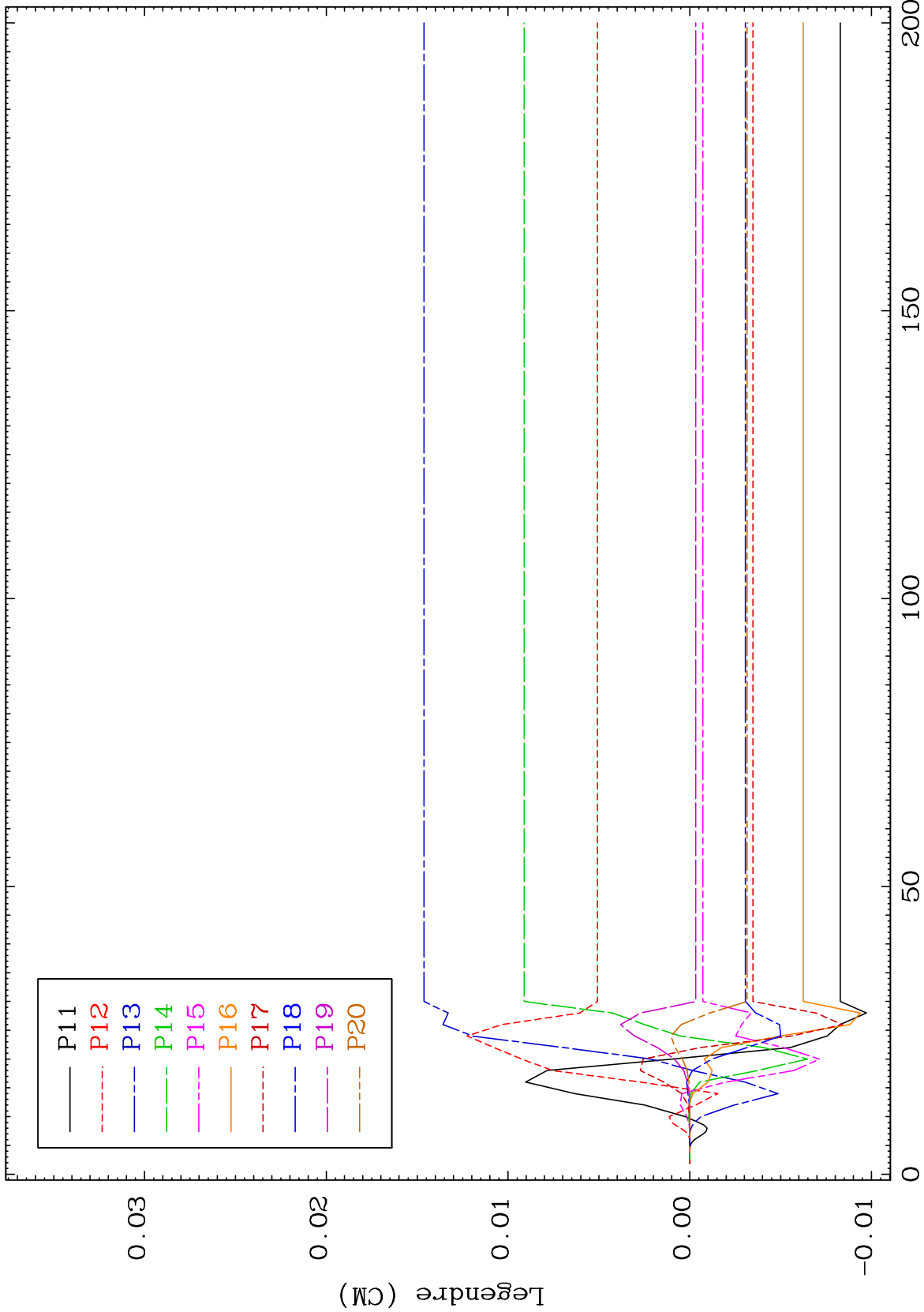
47

81-T1-203

MAT 8125

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

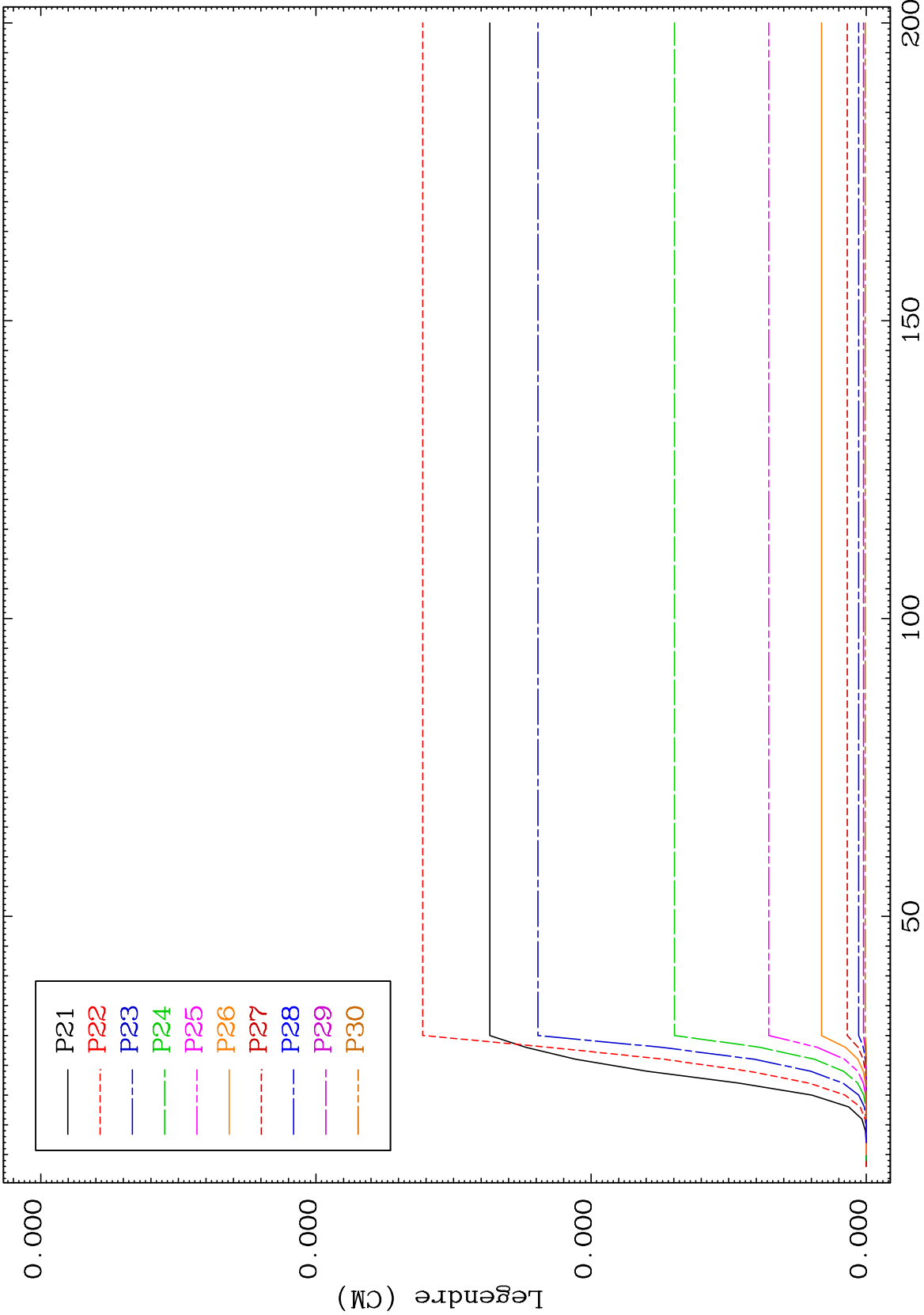
81-T1-203



48

Incident Energy (MeV)

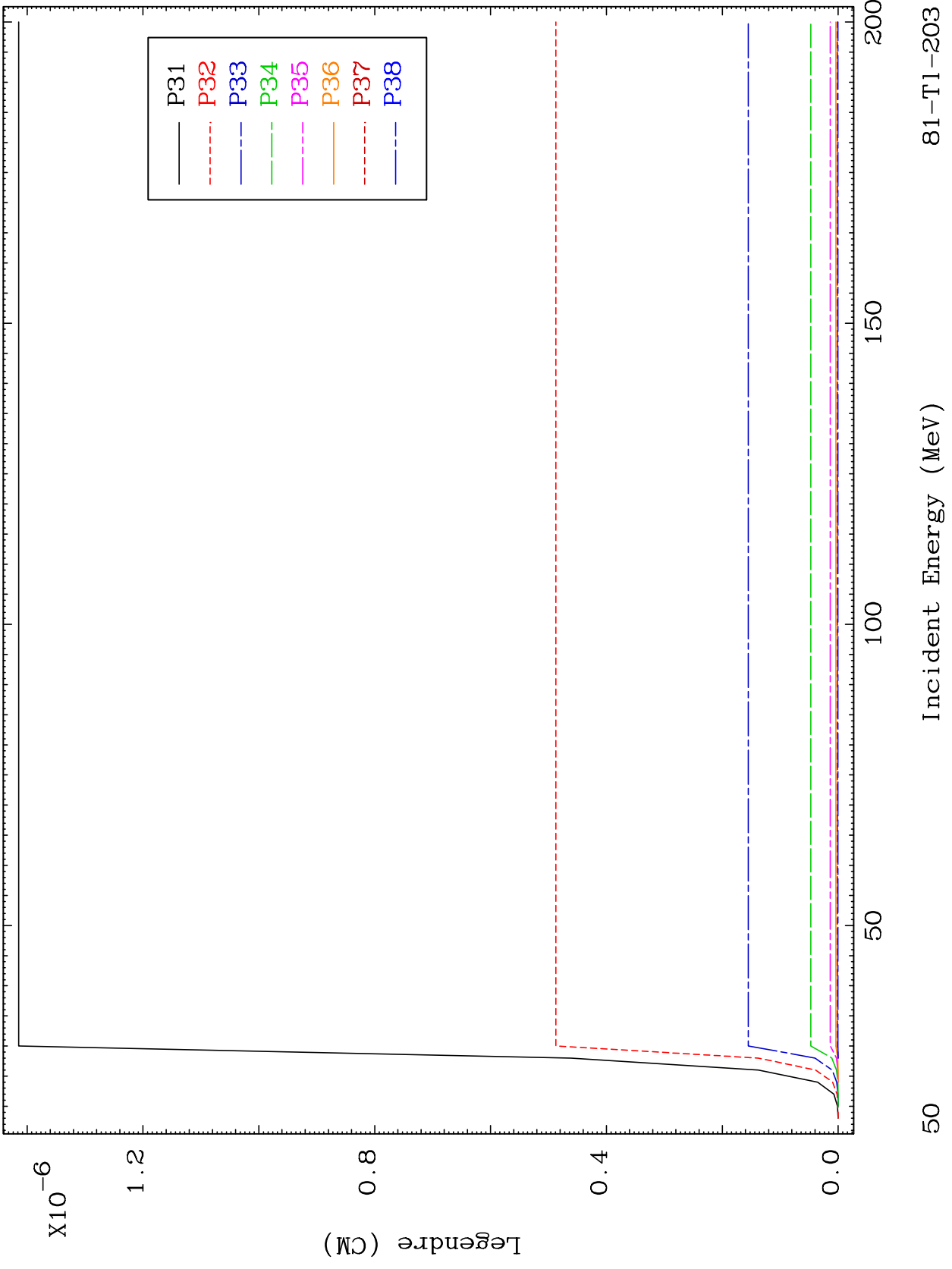
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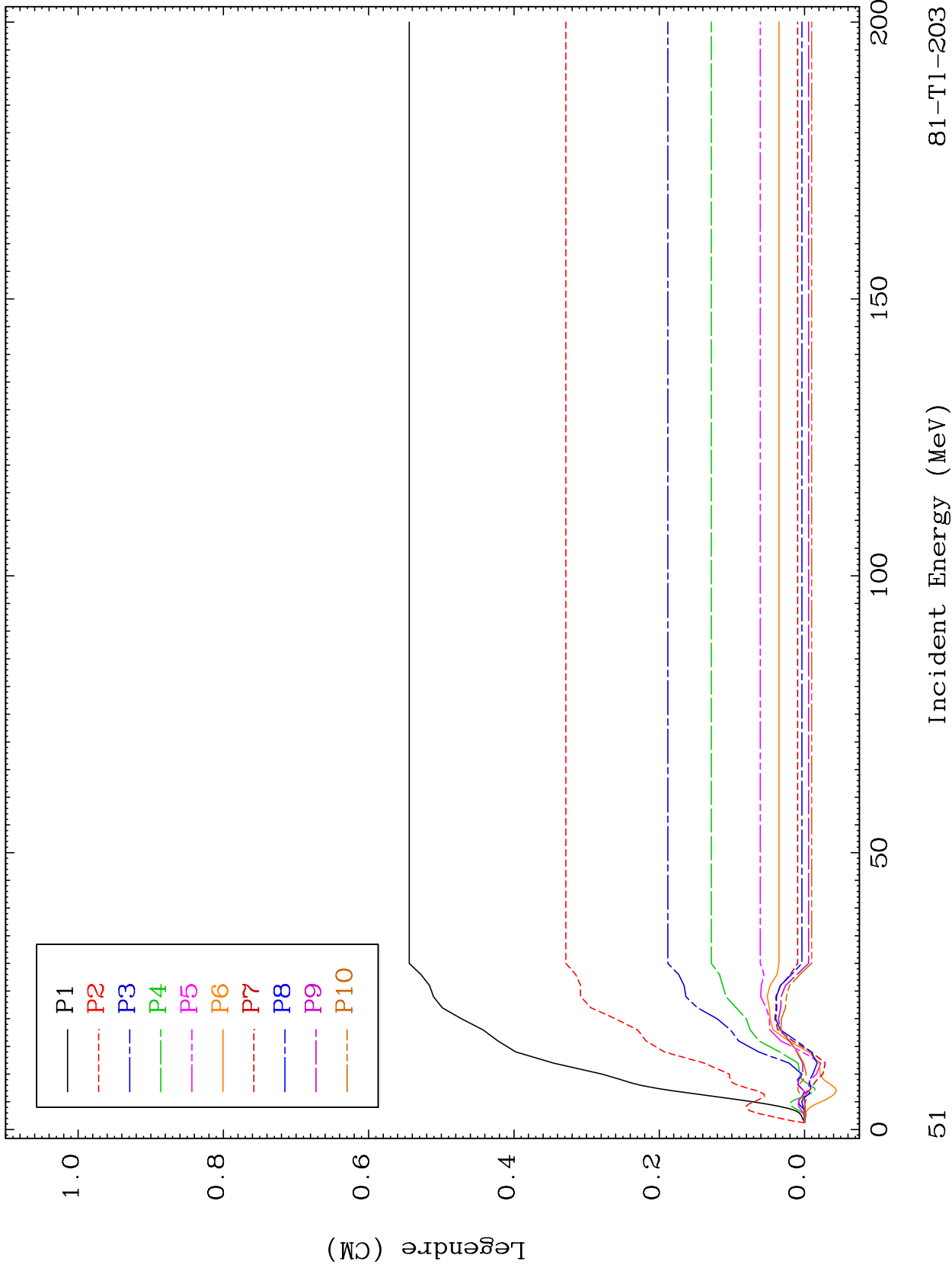
MAT 8125

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

81-T1-203



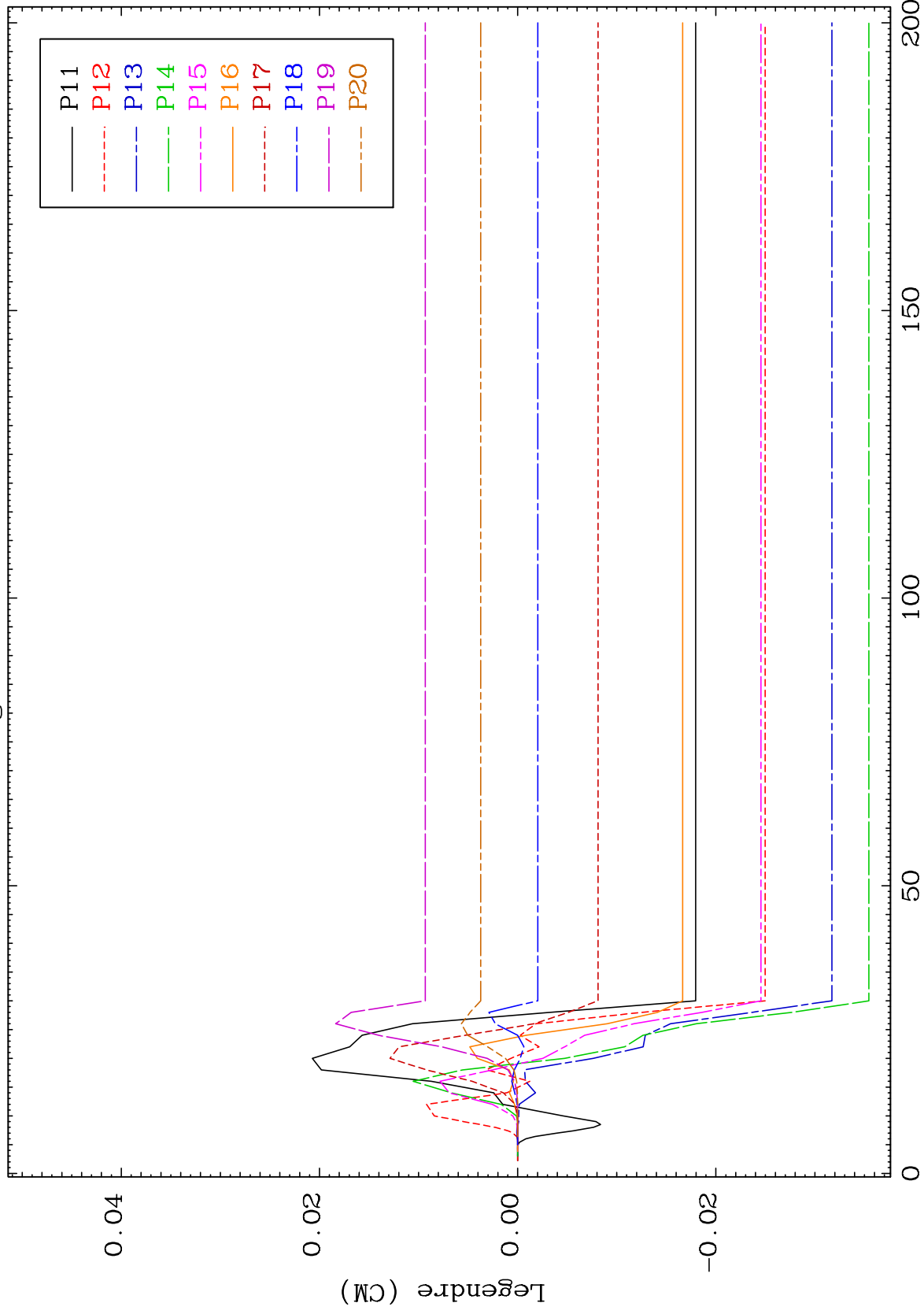
81-T1-203



MAT 8125

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

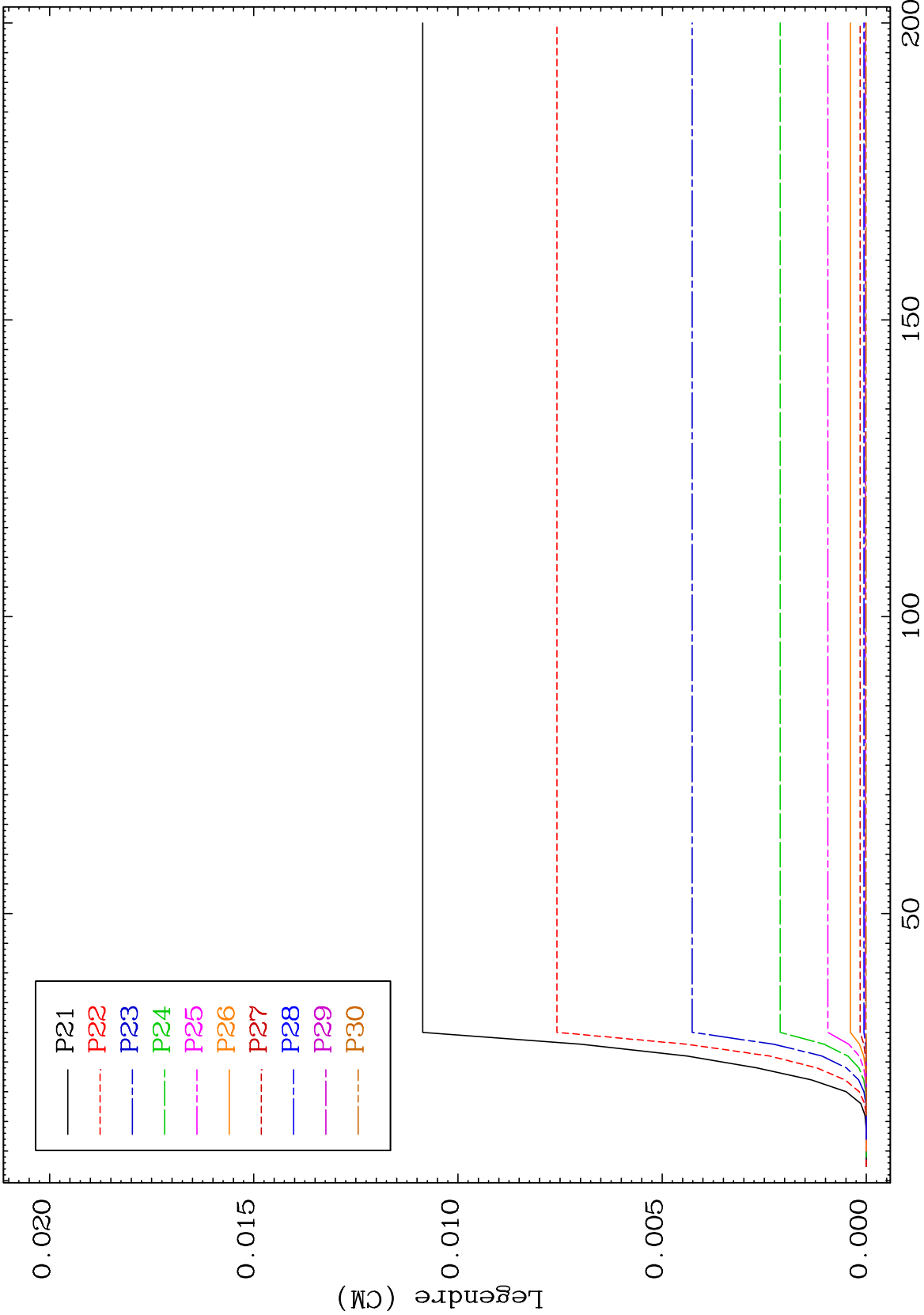
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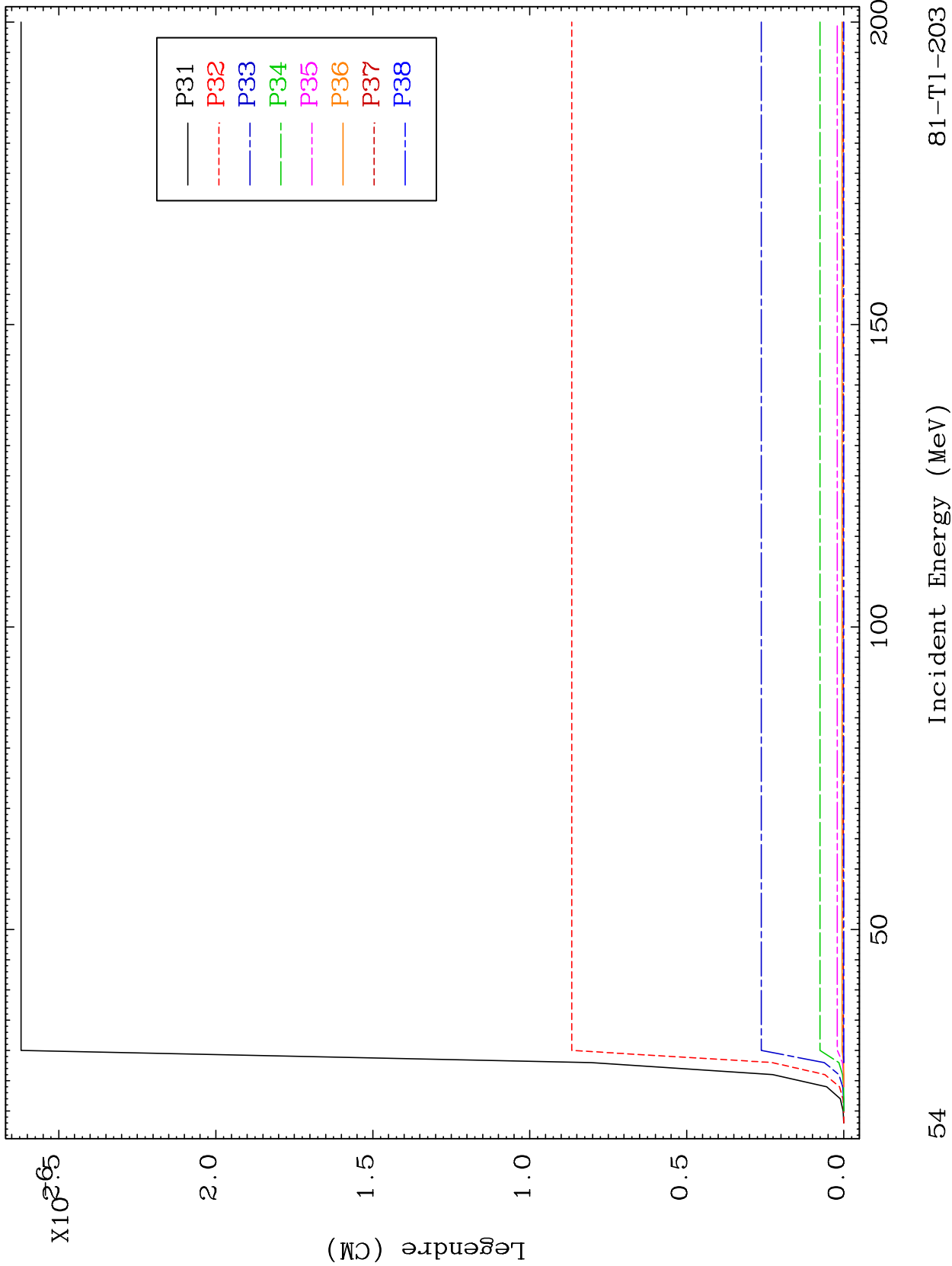


52

Incident Energy (MeV)

81-T1-203

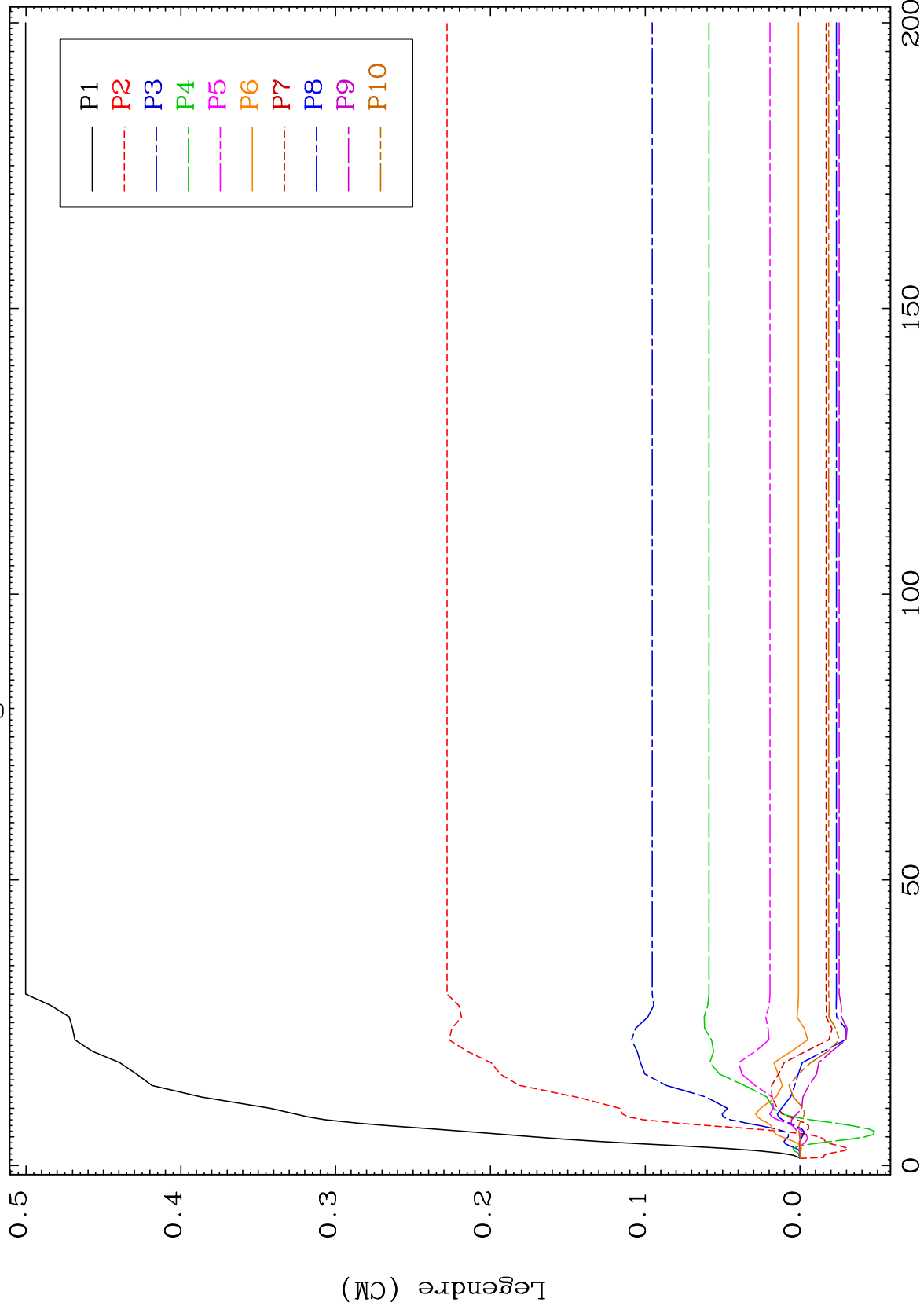




MAT 8125

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

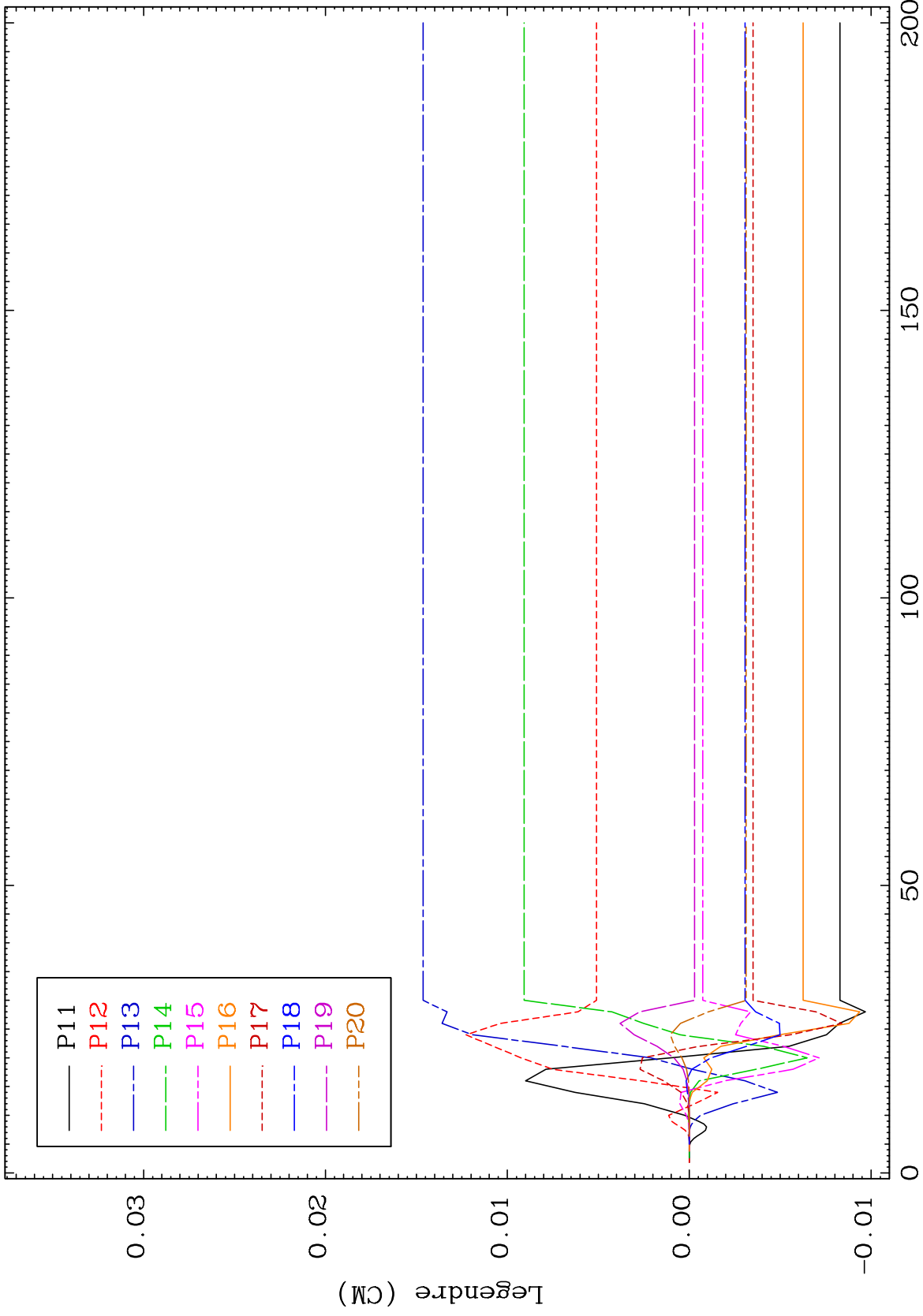
81-T1-203



81-T1-203

Incident Energy (MeV)

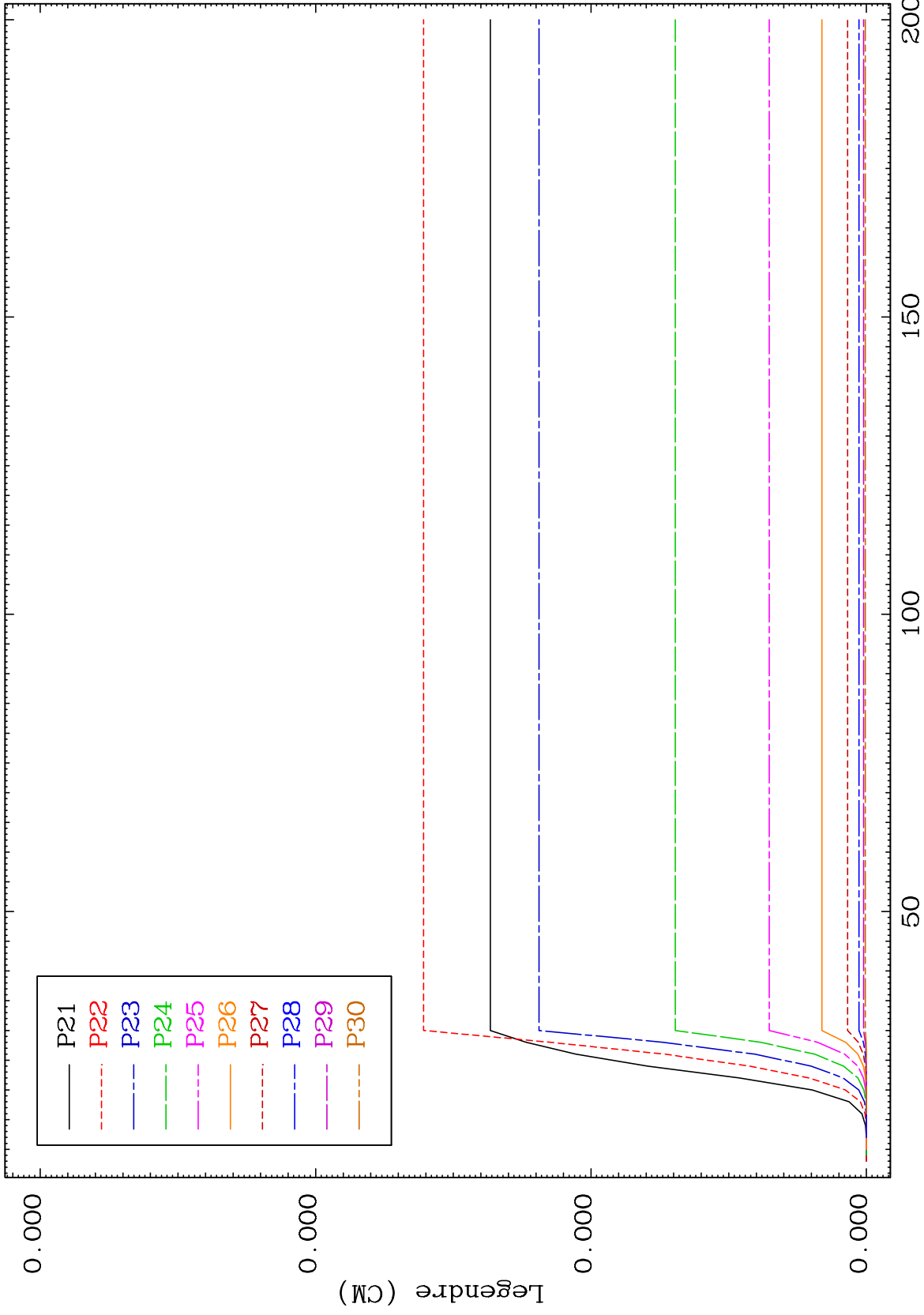
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MAT 8125

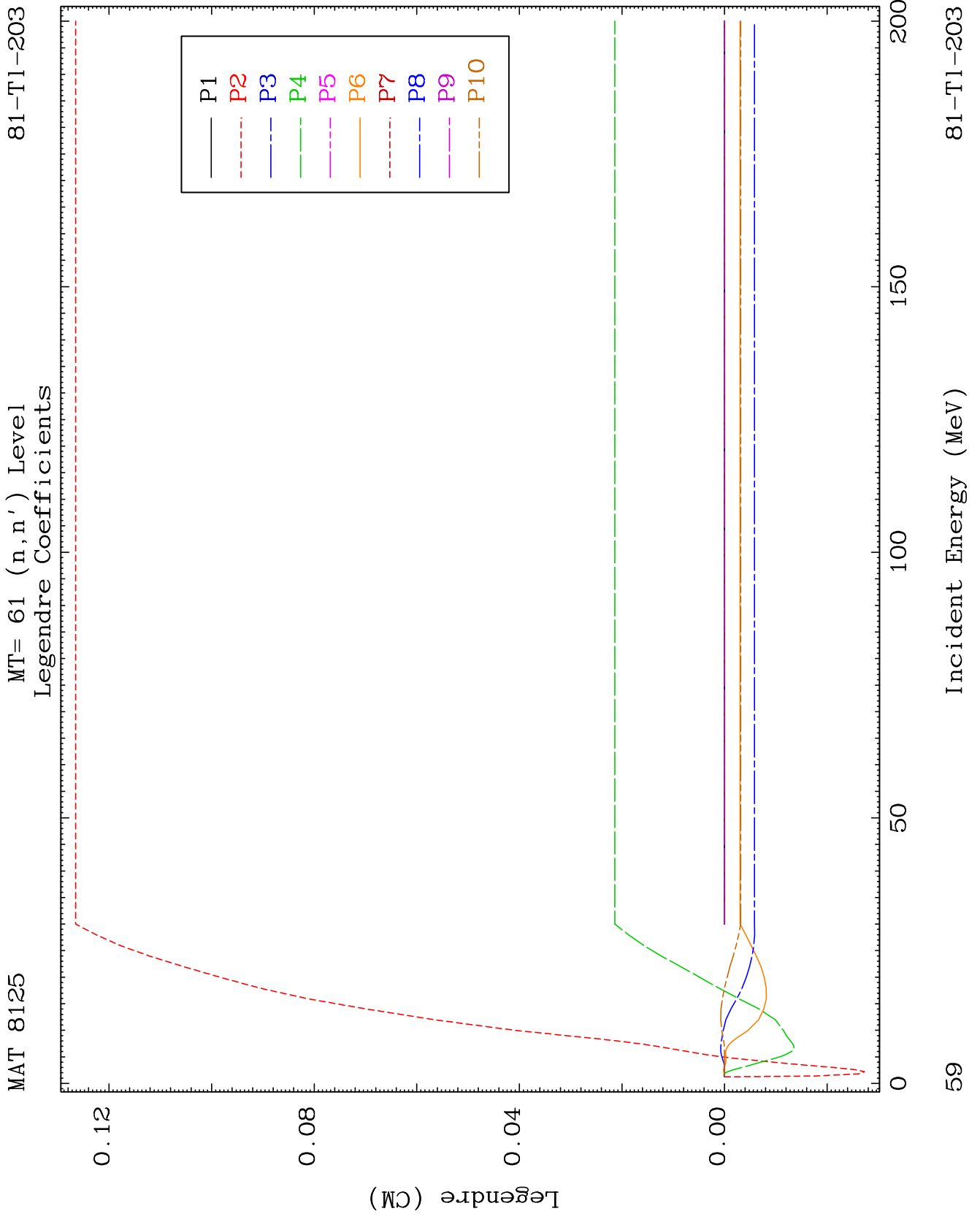
MT= 60 (n,n') Level
Legendre Coefficients

81-T1-203



57

81-T1-203



81-T1-203

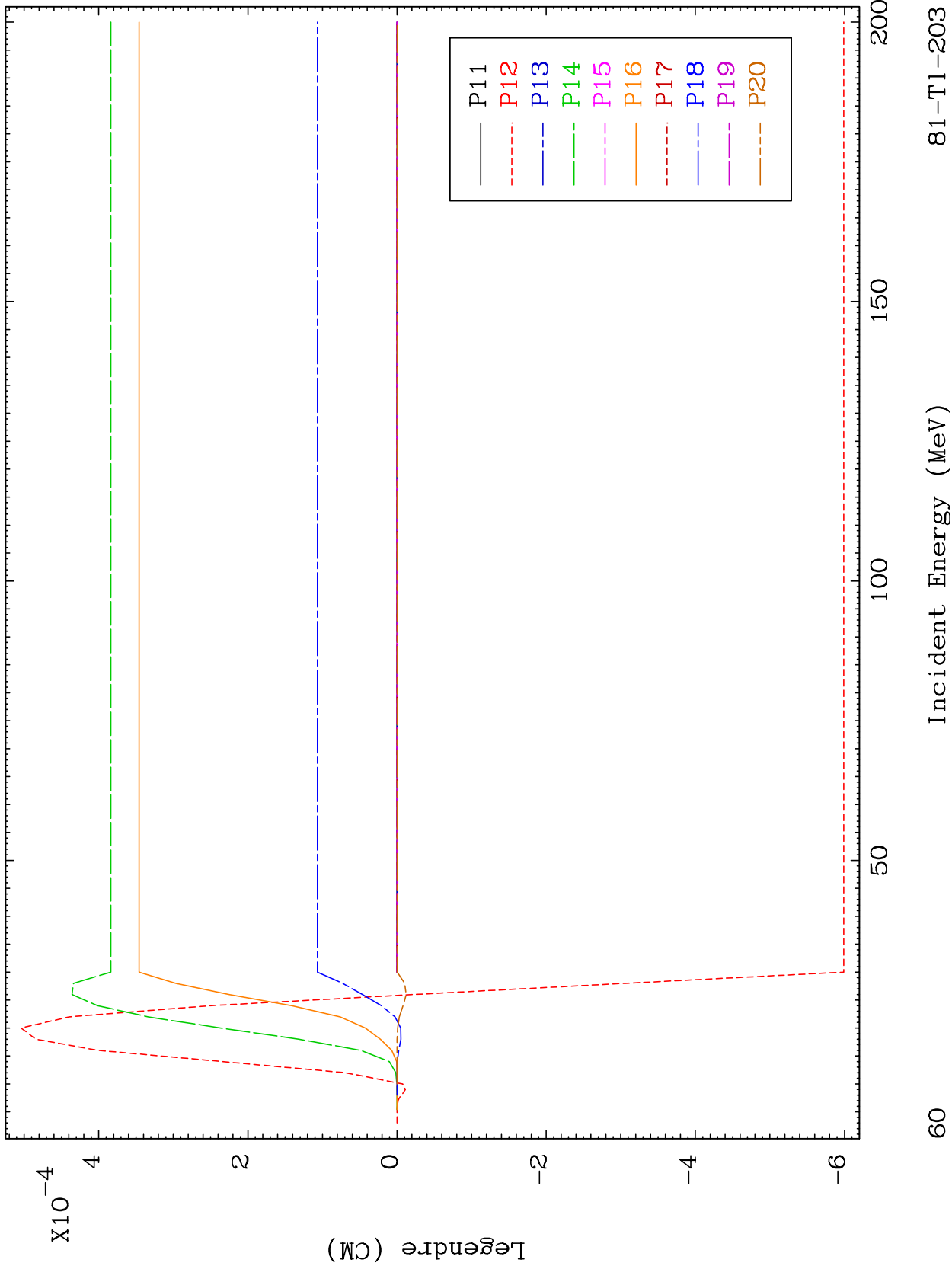
Incident Energy (MeV)

59

MAT 8125

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

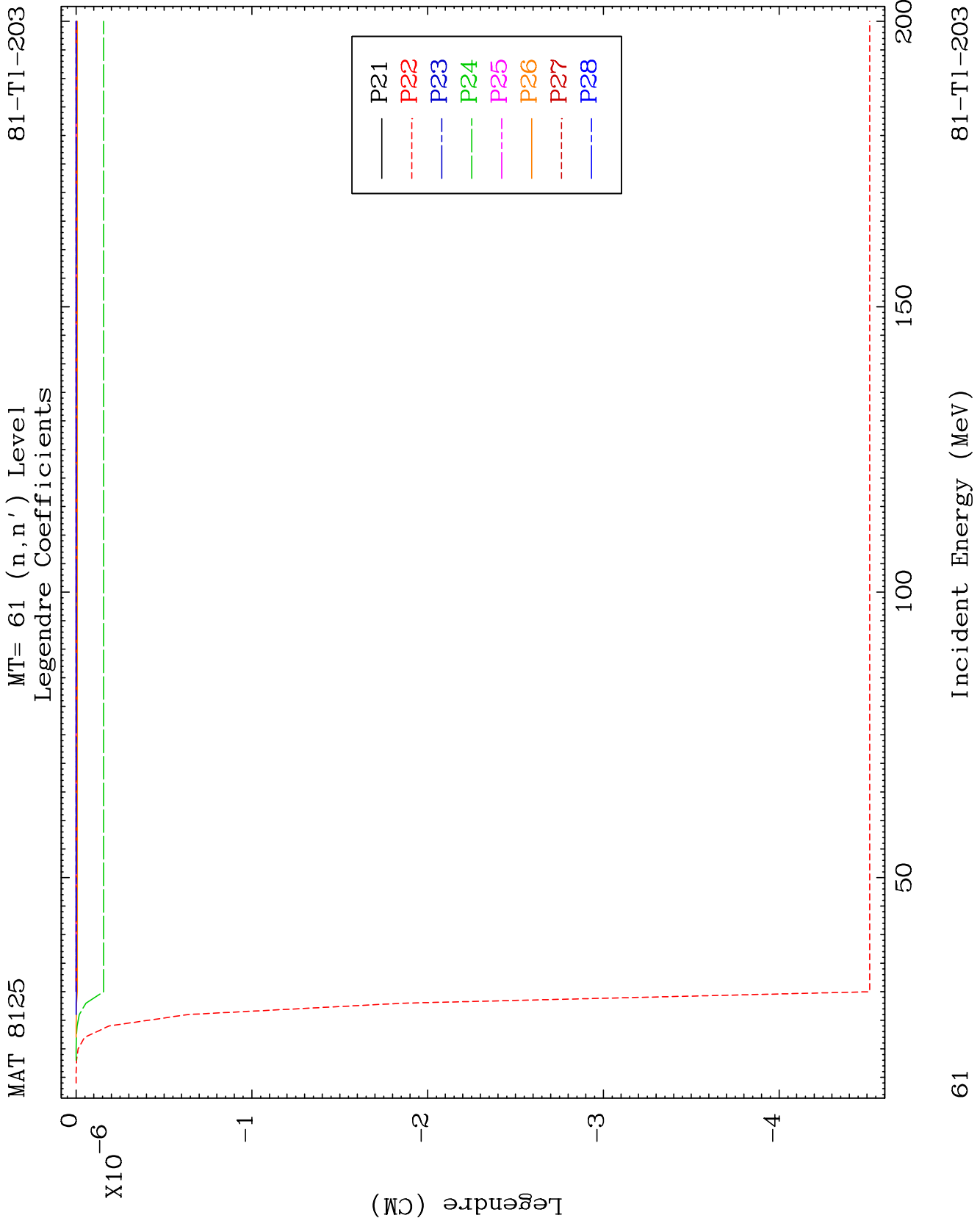
81-T1-203



81-T1-203

Incident Energy (MeV)

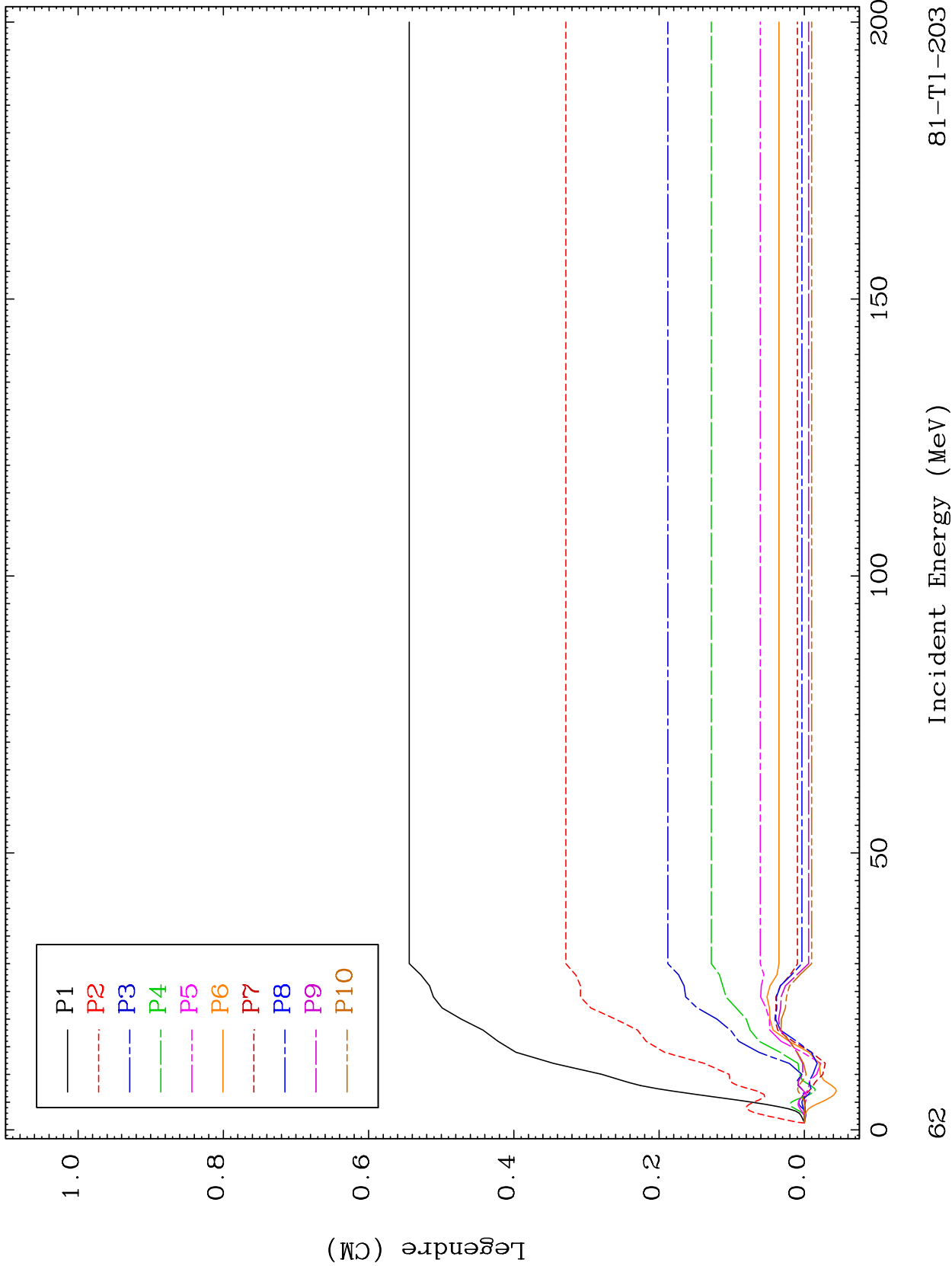
60



MAT 8125

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

81-T1-203



62

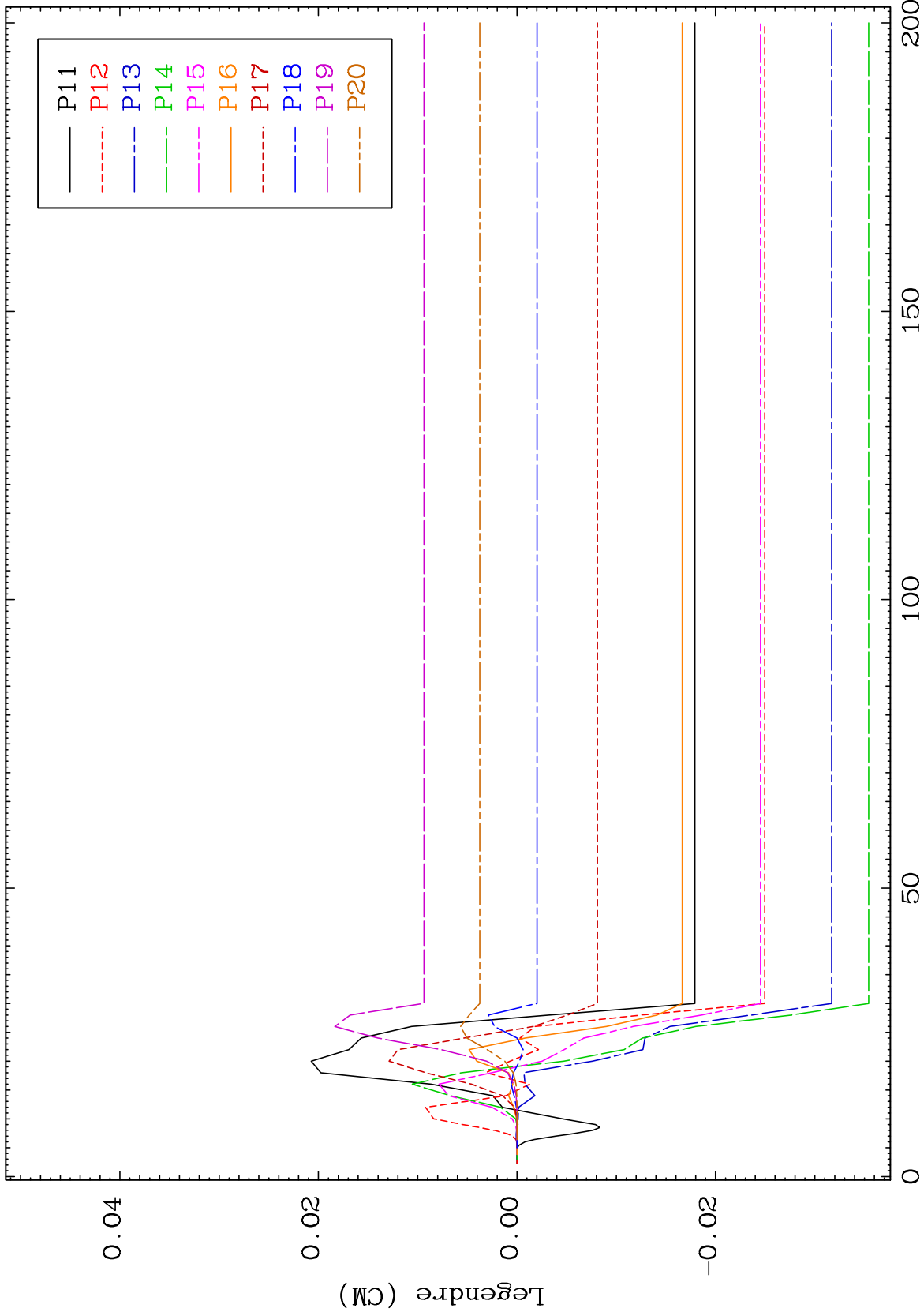
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



63

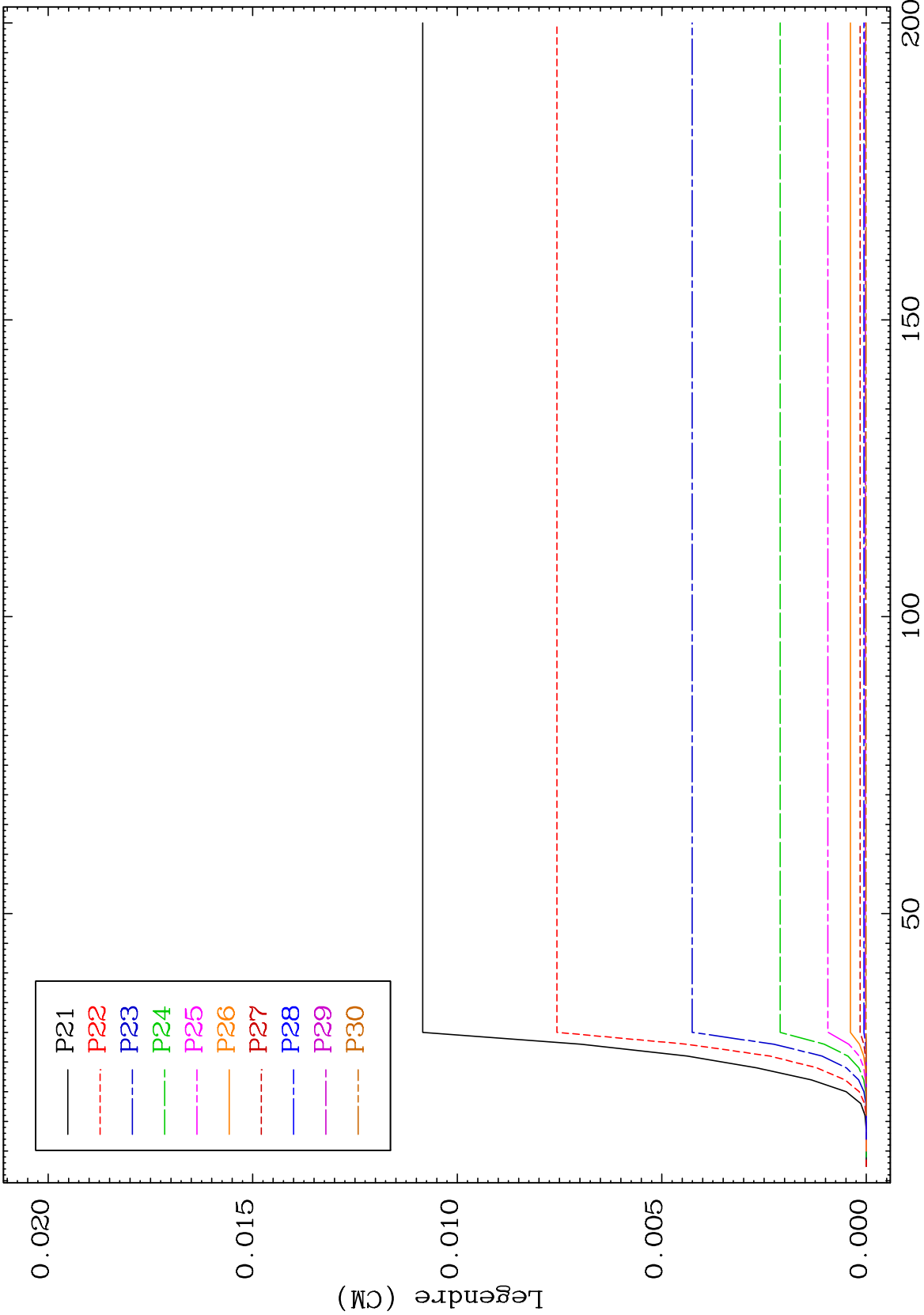
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



64

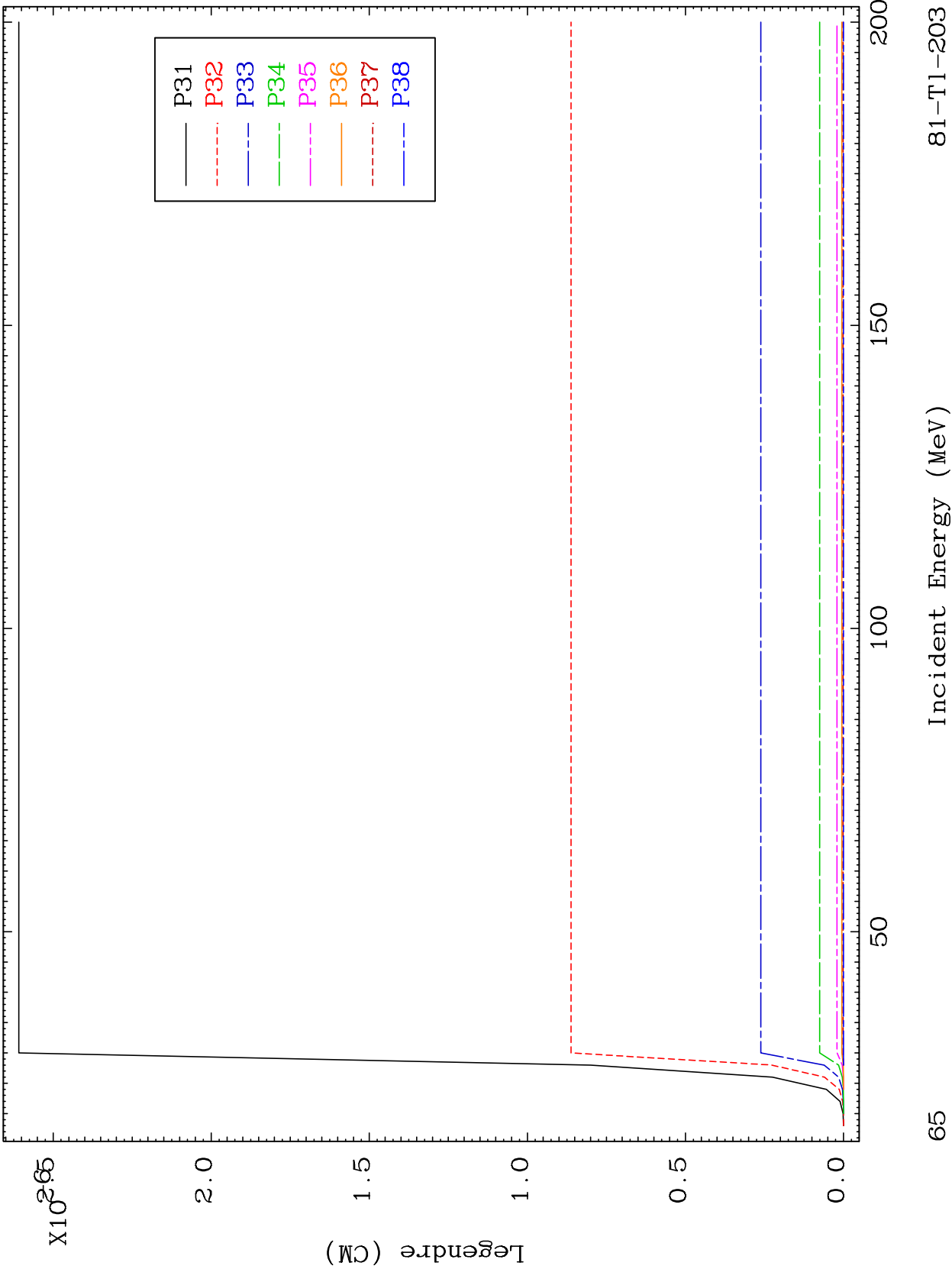
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



65

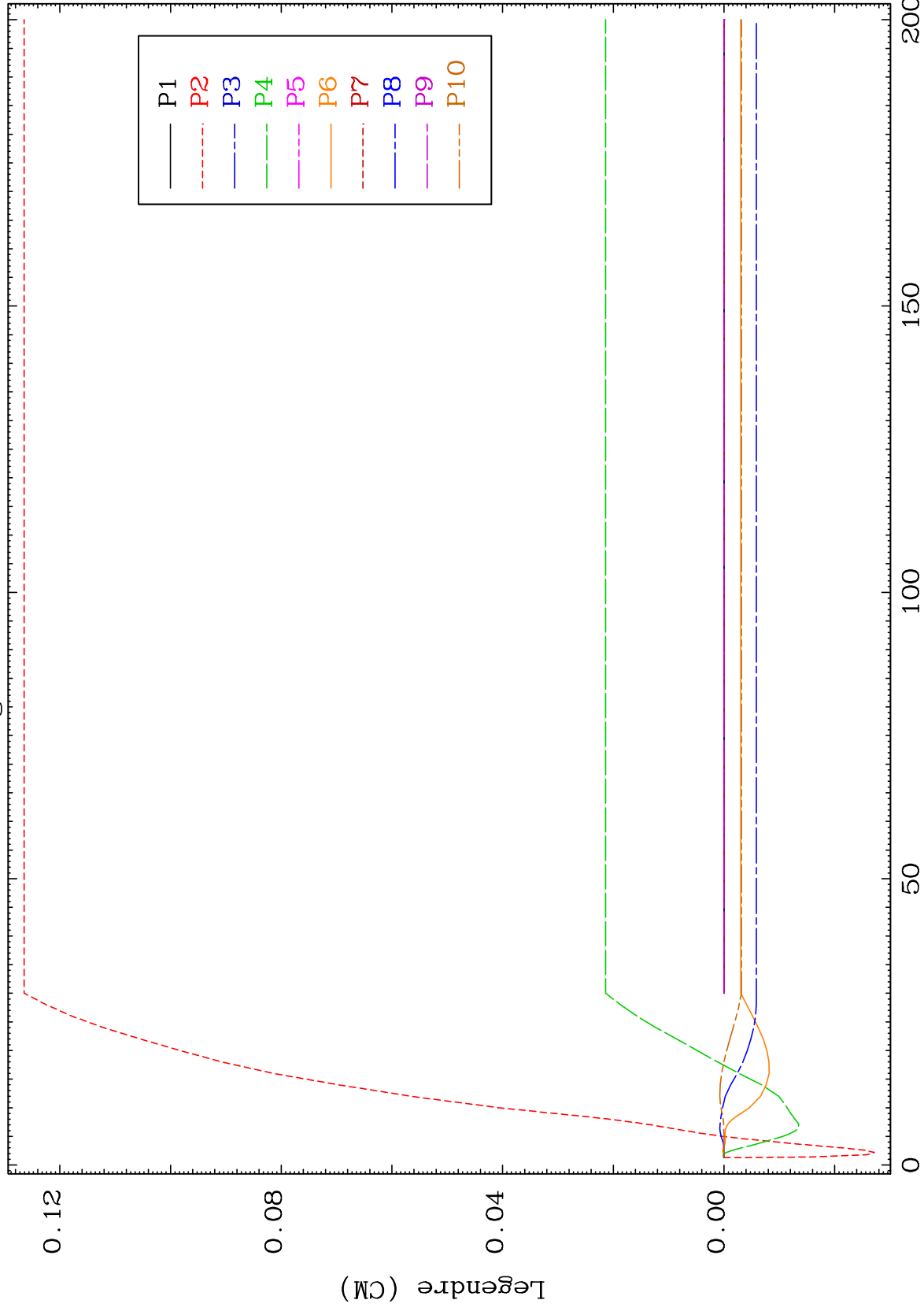
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



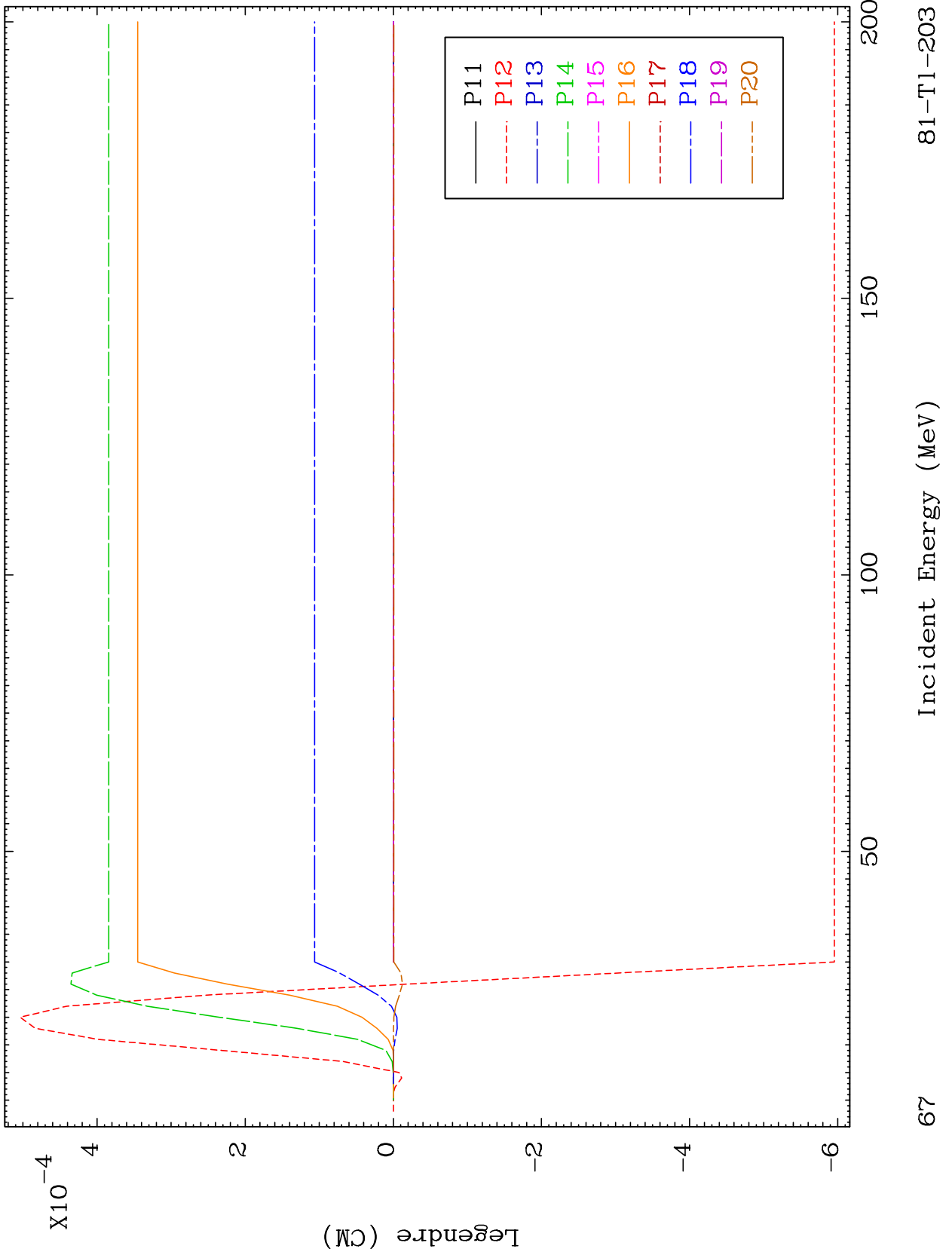
66

81-T1-203

MAT 8125

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

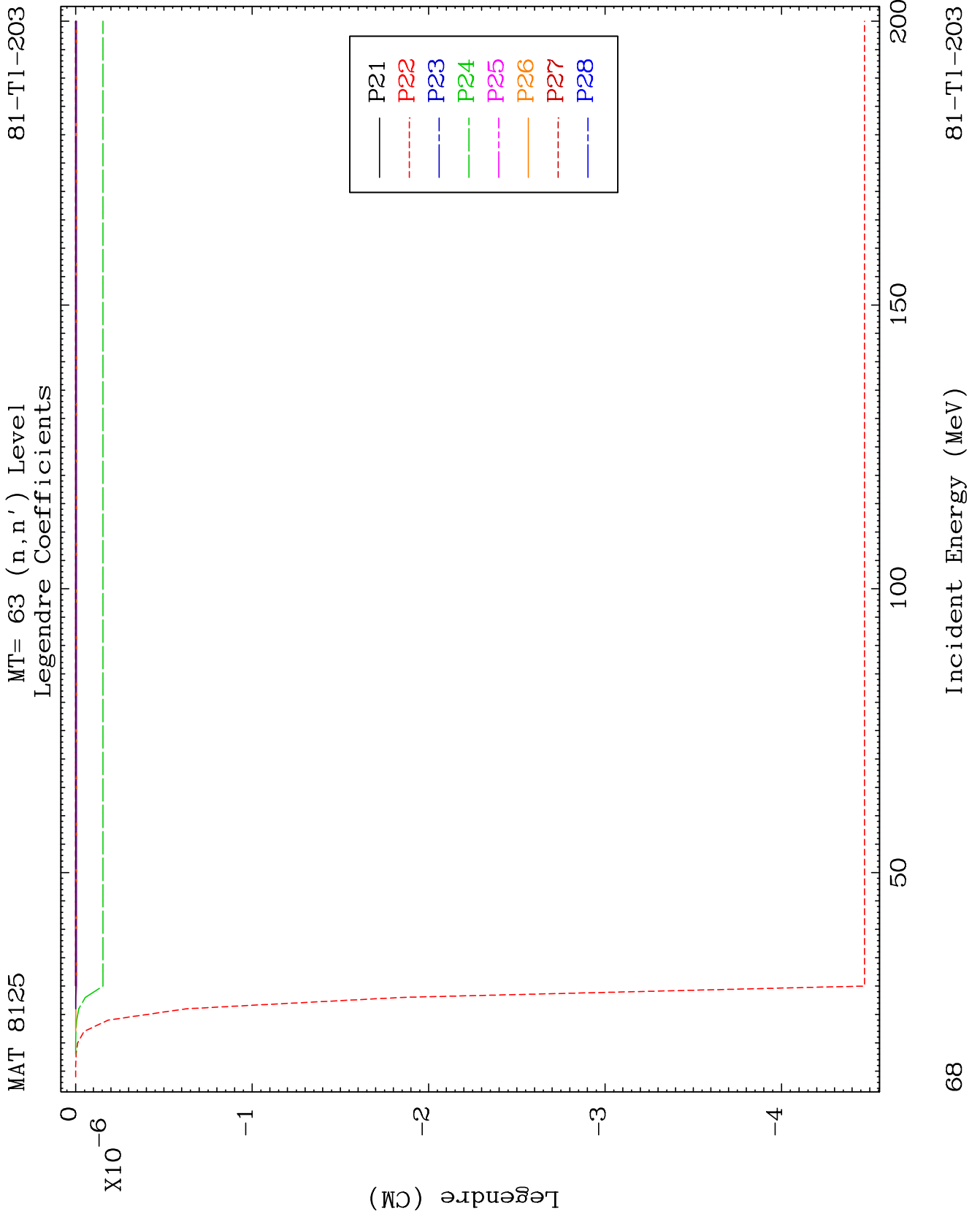
81-T1-203



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Incident Energy (MeV)

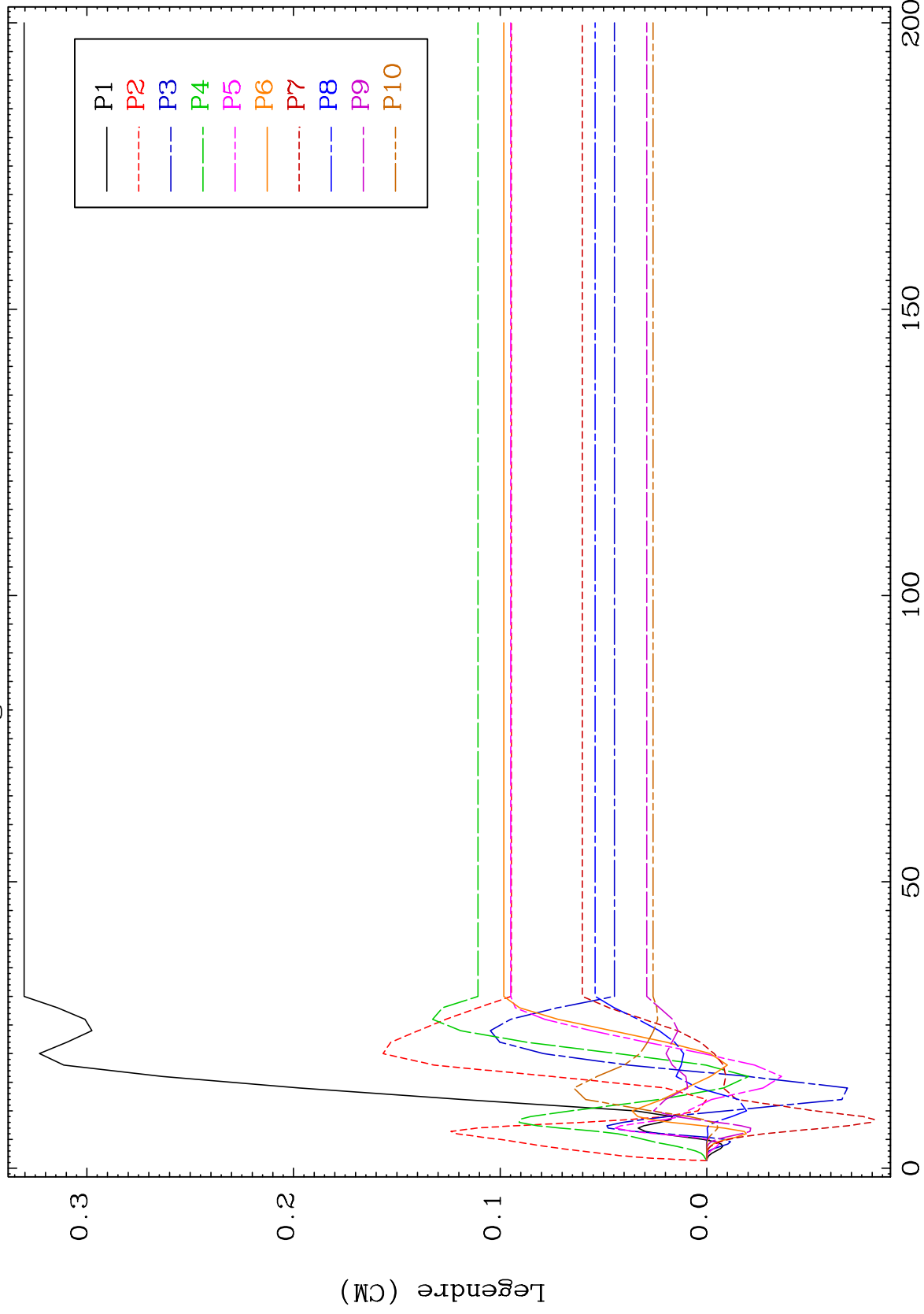
81-T1-203



MAT 8125

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

81-T1-203



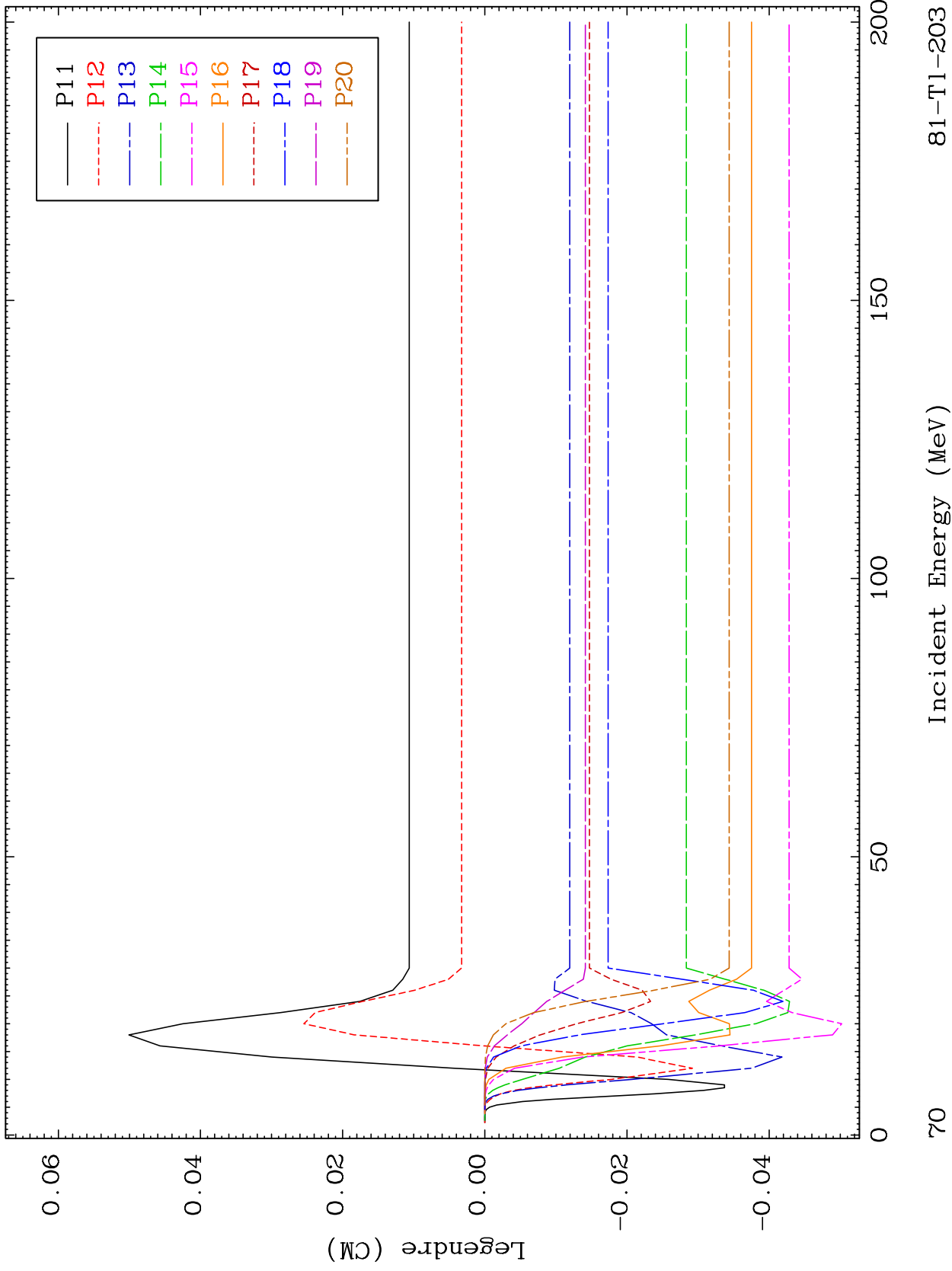
69

81-T1-203

MAT 8125

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

81-T1-203



81-T1-203

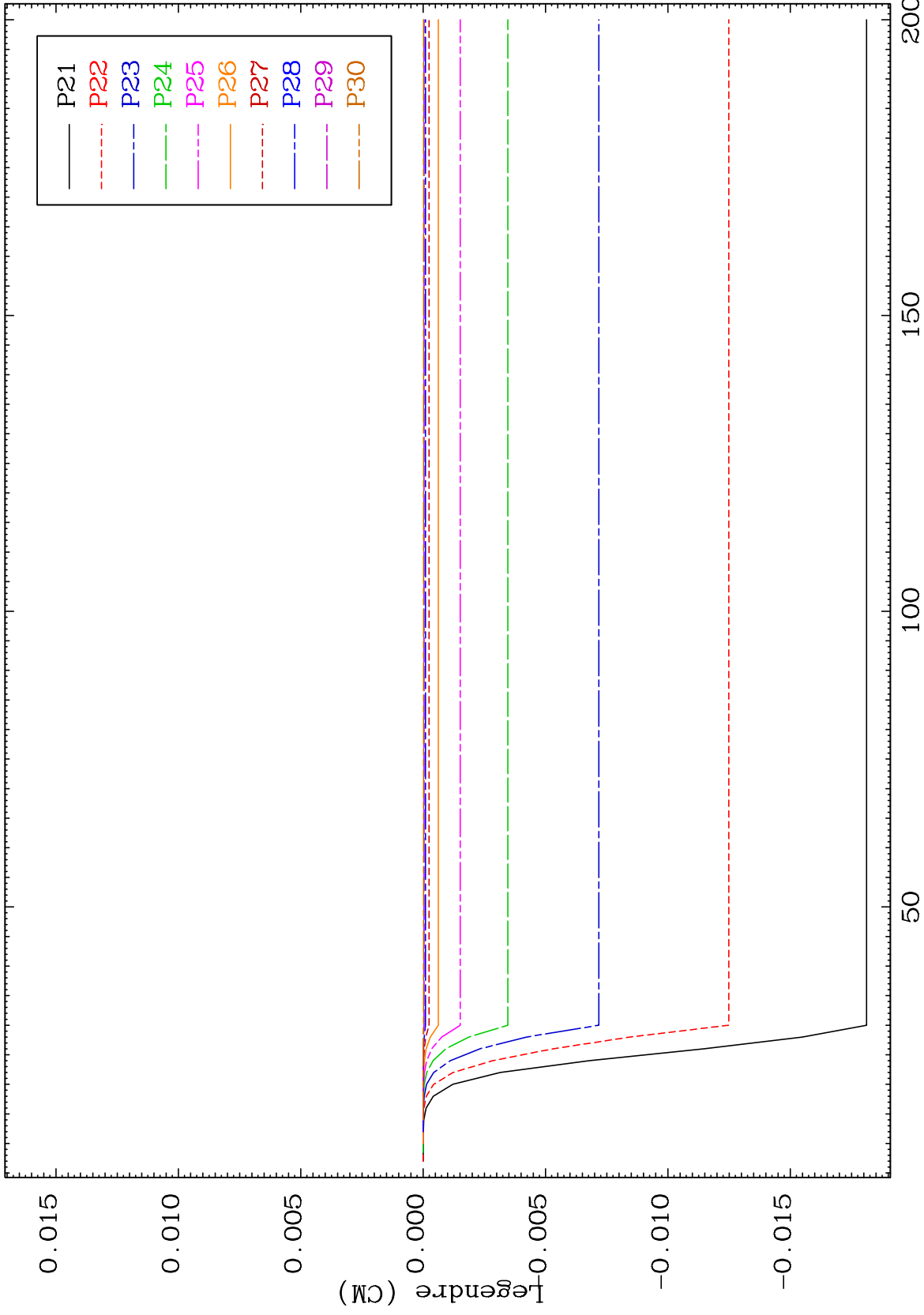
Incident Energy (MeV)

70

MAT 8125

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

81-T1-203



71

Incident Energy (MeV)

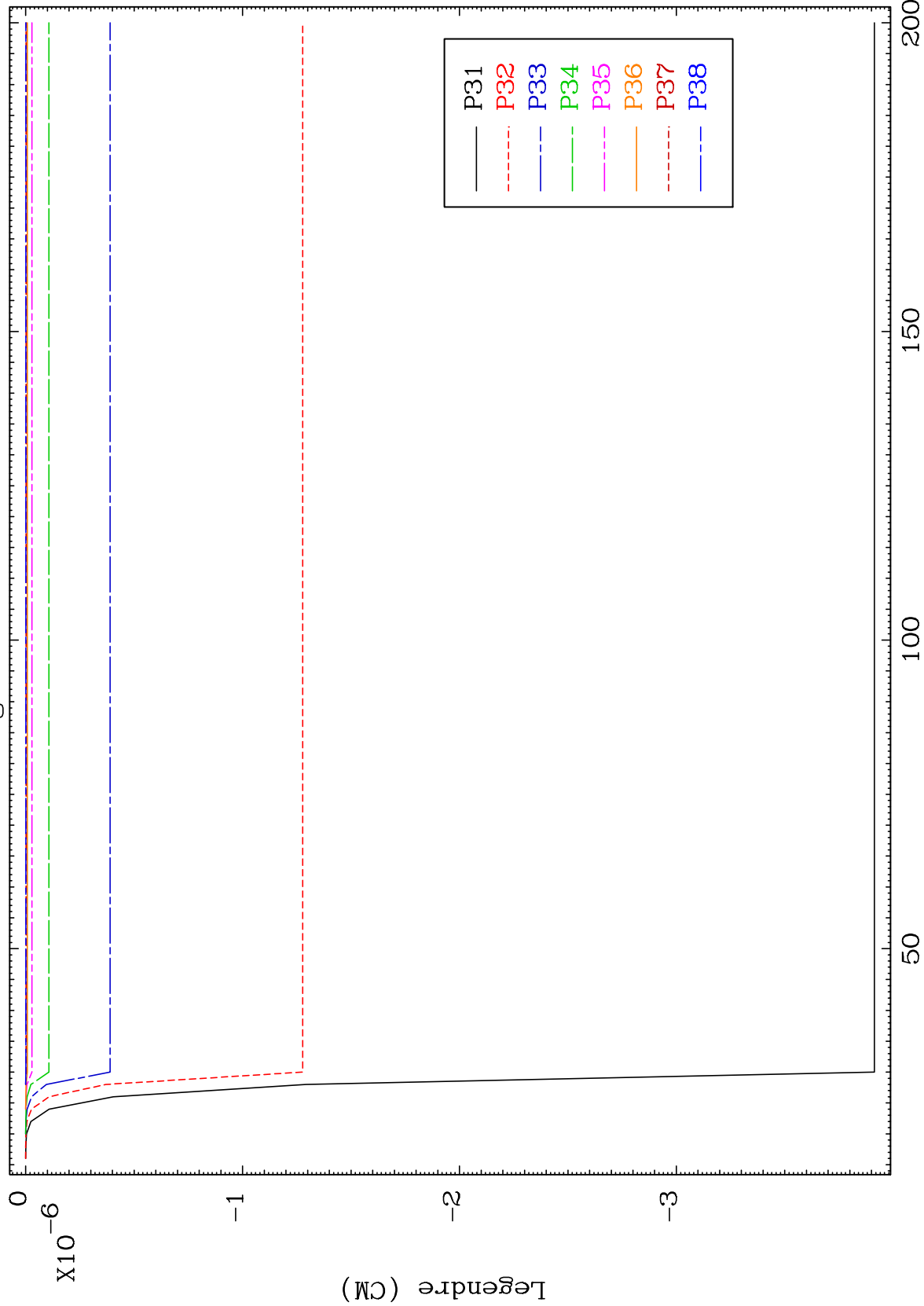
81-T1-203

MAT 8125

MT= 64 (n,n') Level

81-T1-203

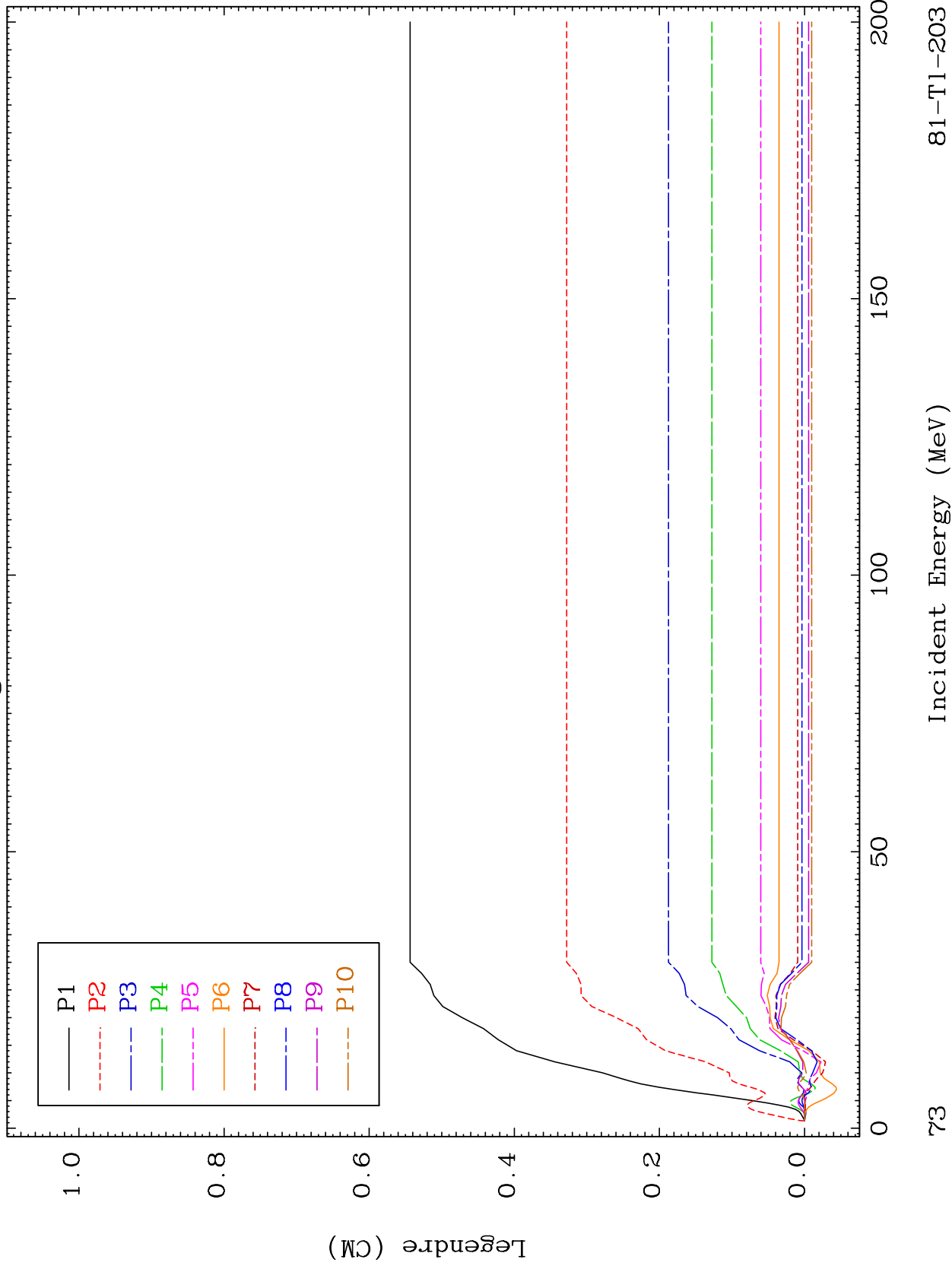
Legendre Coefficients



72

Incident Energy (MeV)

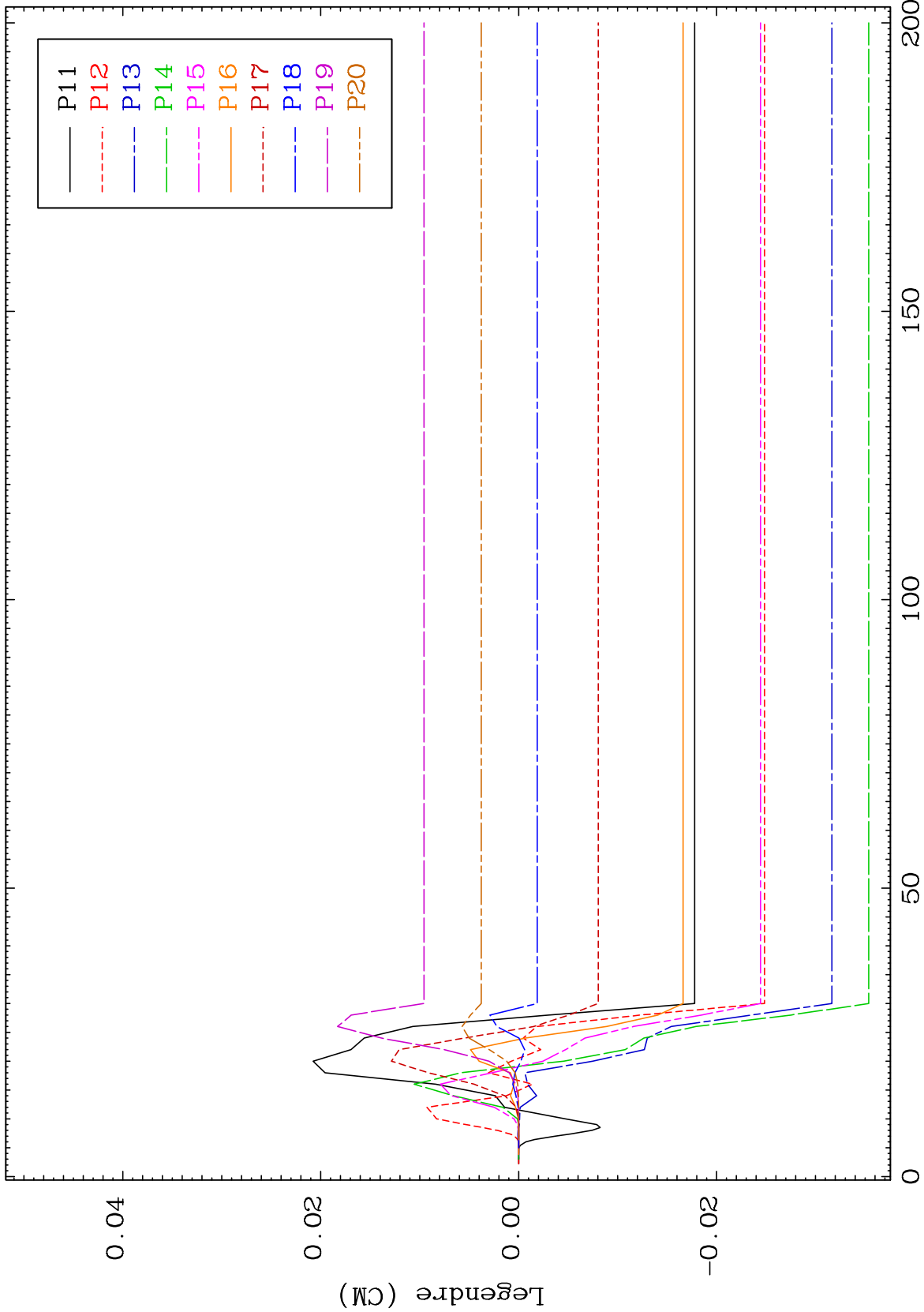
81-T1-203



MAT 8125

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

81-T1-203



74

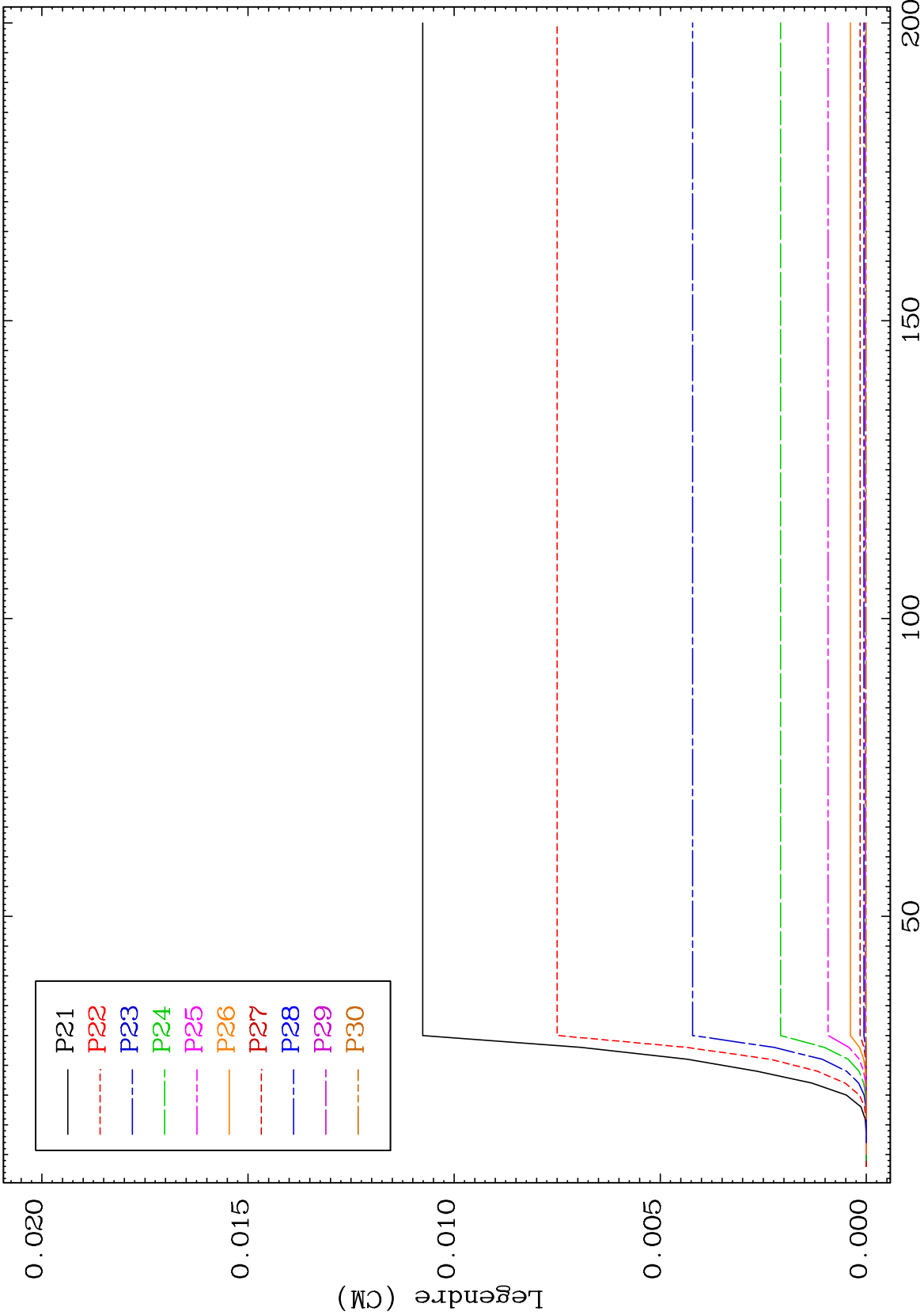
Incident Energy (MeV)

81-T1-203

MAT 8125

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

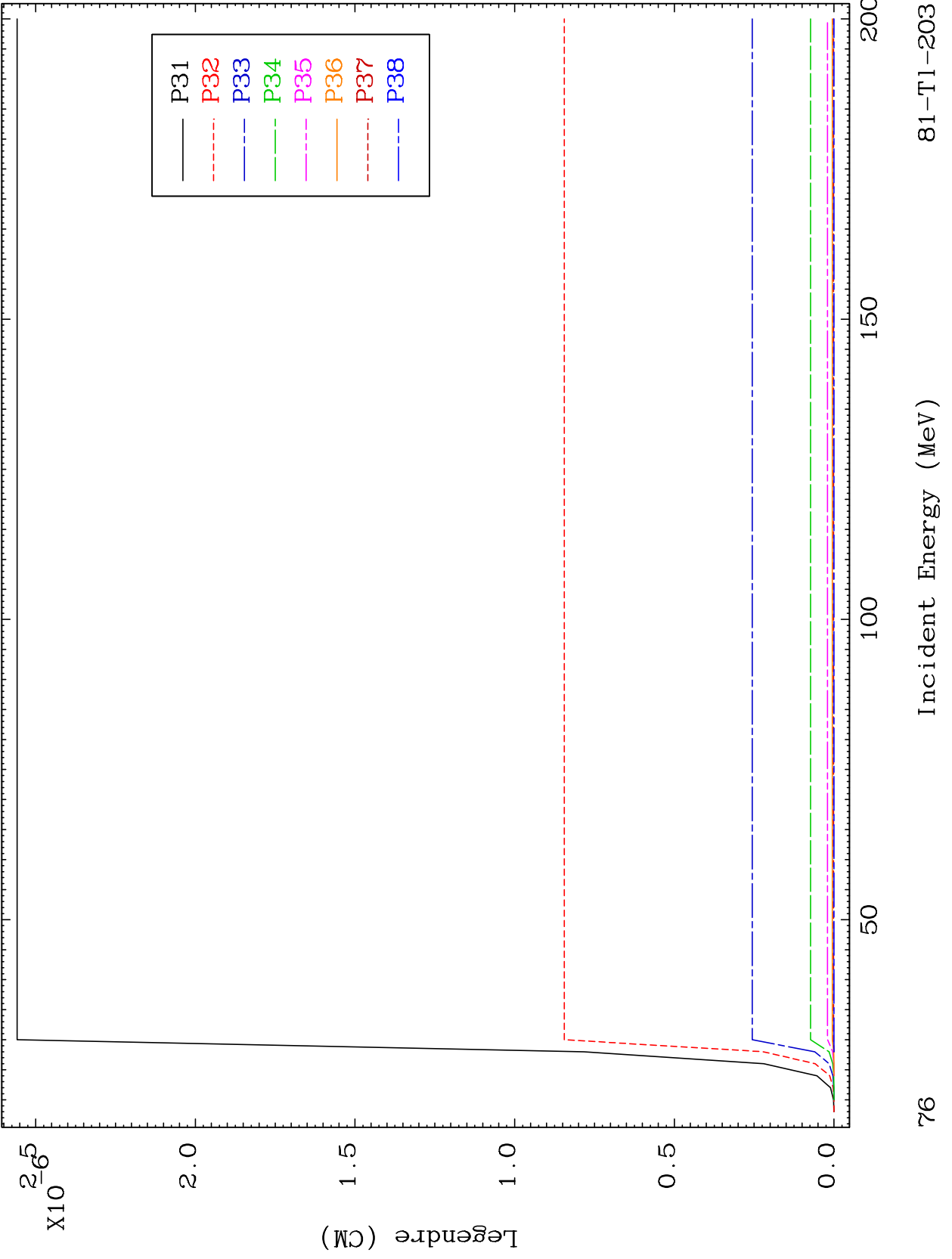
81-T1-203

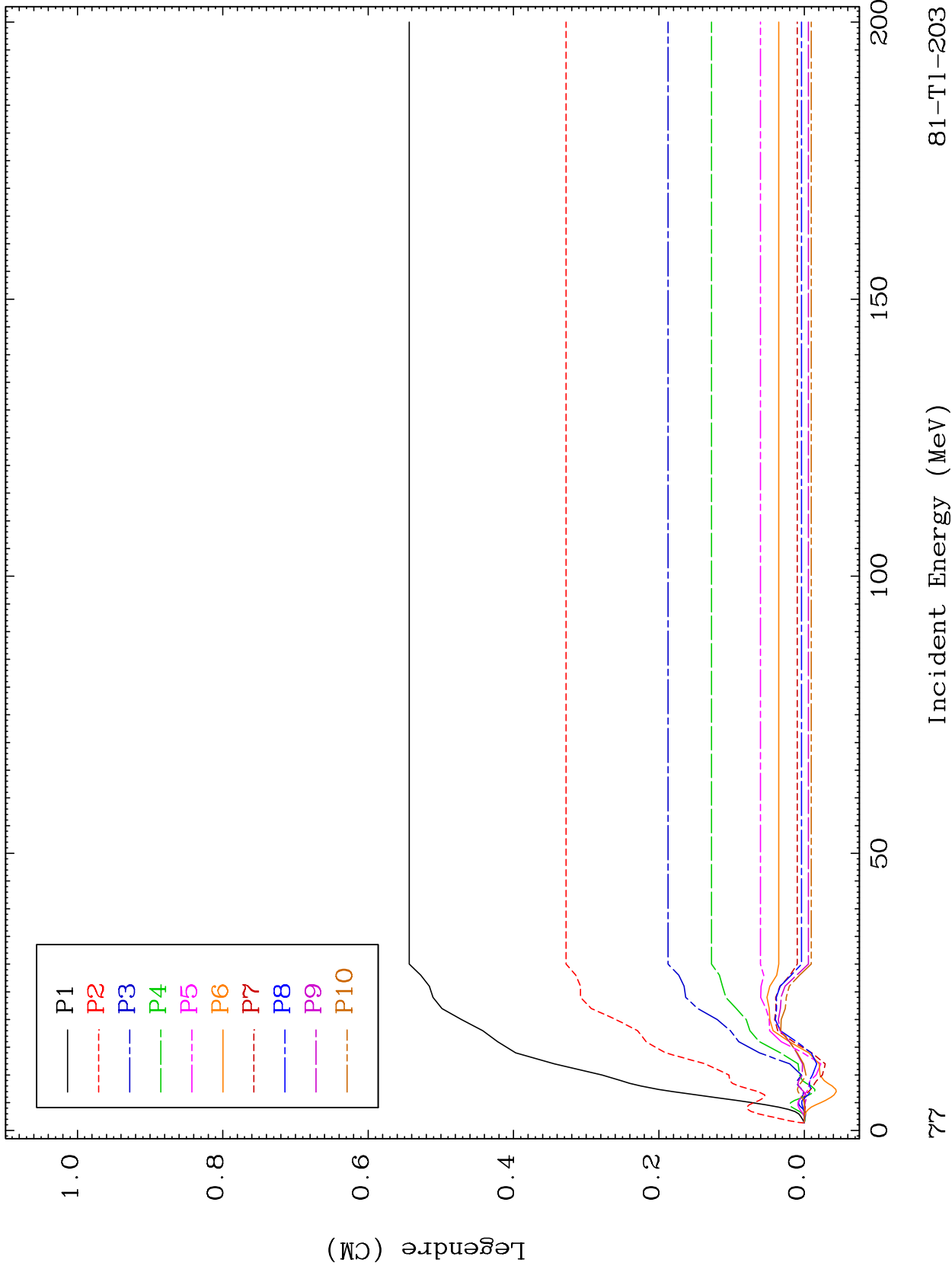


75

Incident Energy (MeV)

81-T1-203

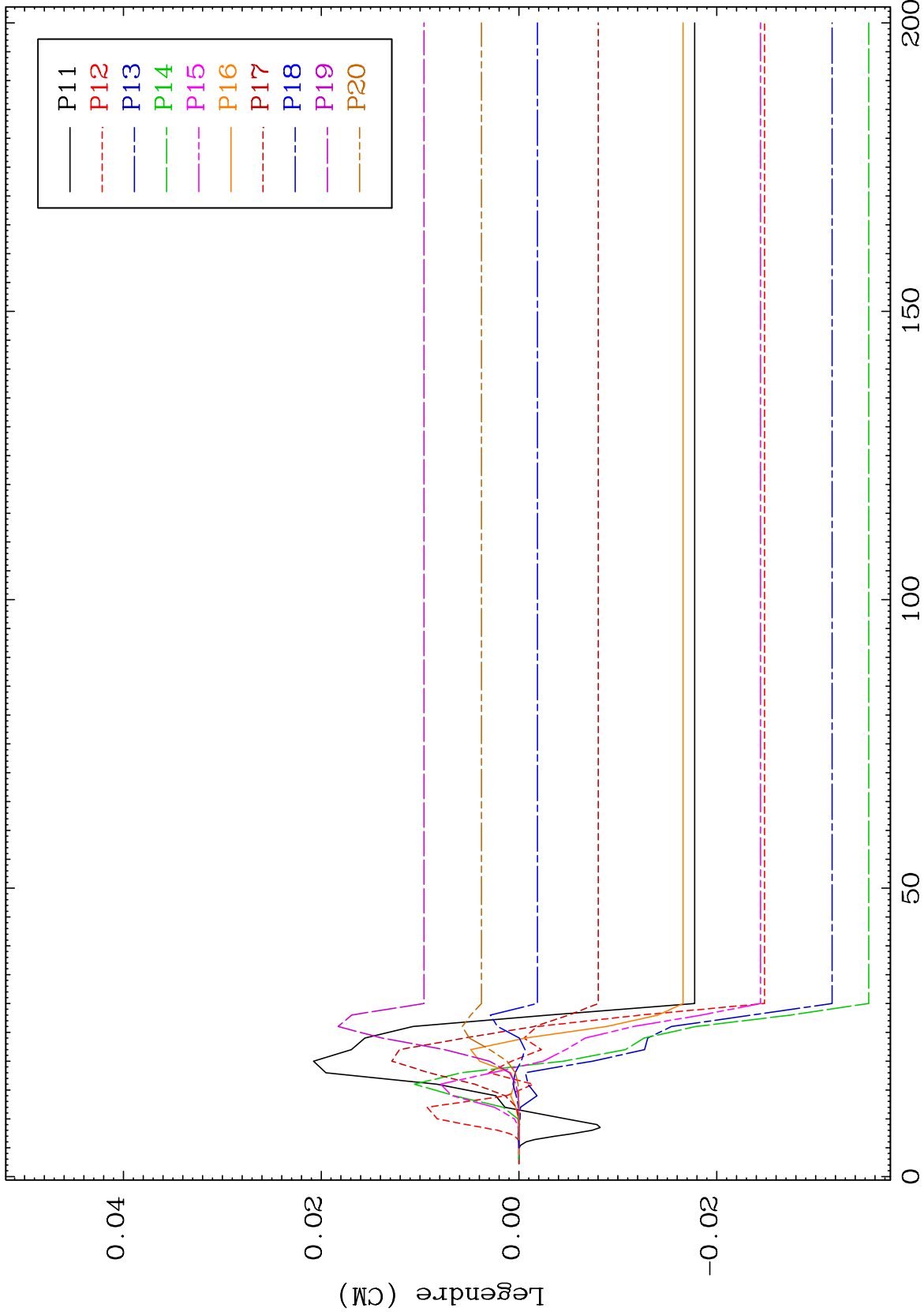




MAT 8125

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

81-T1-203



78

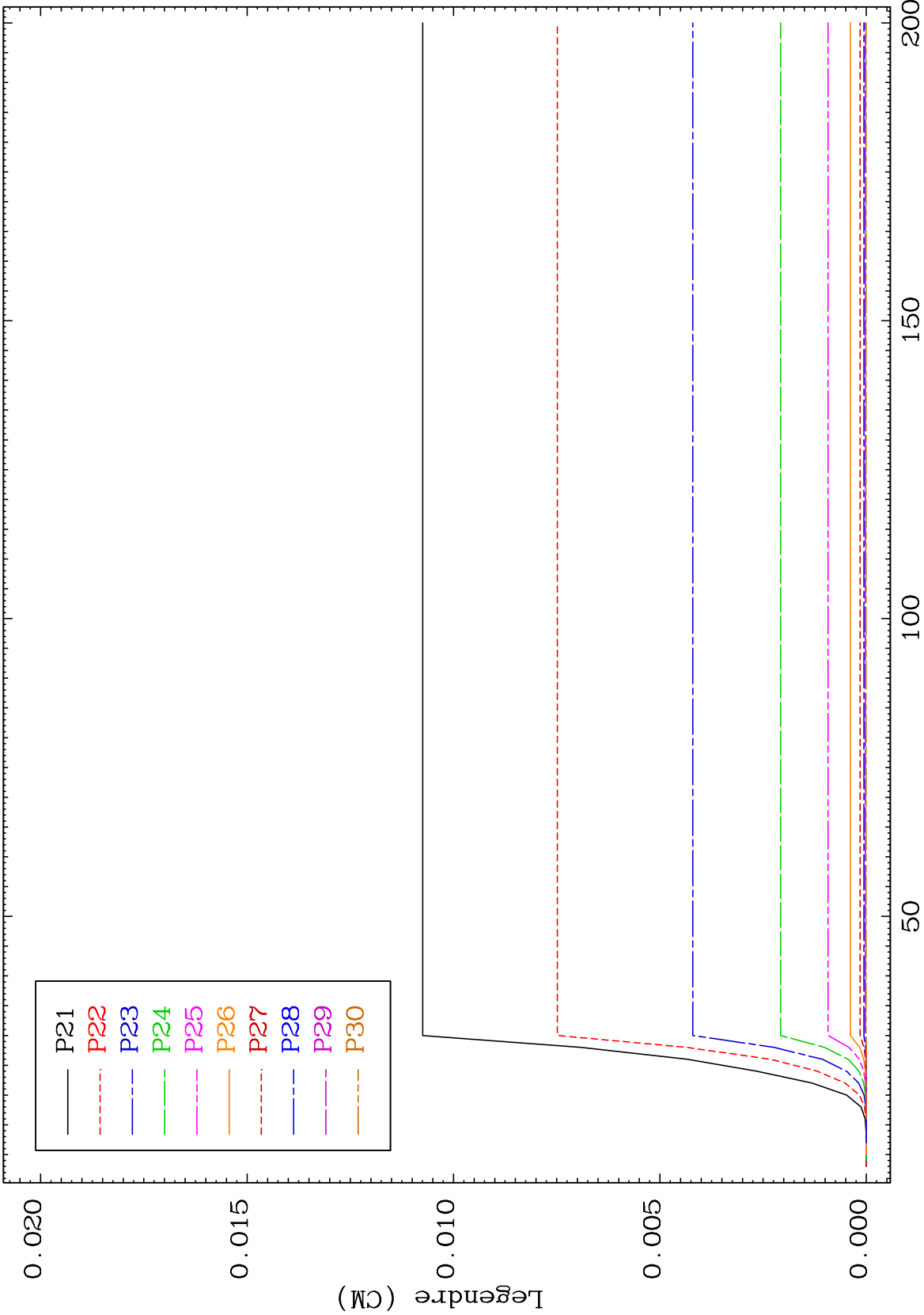
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



79

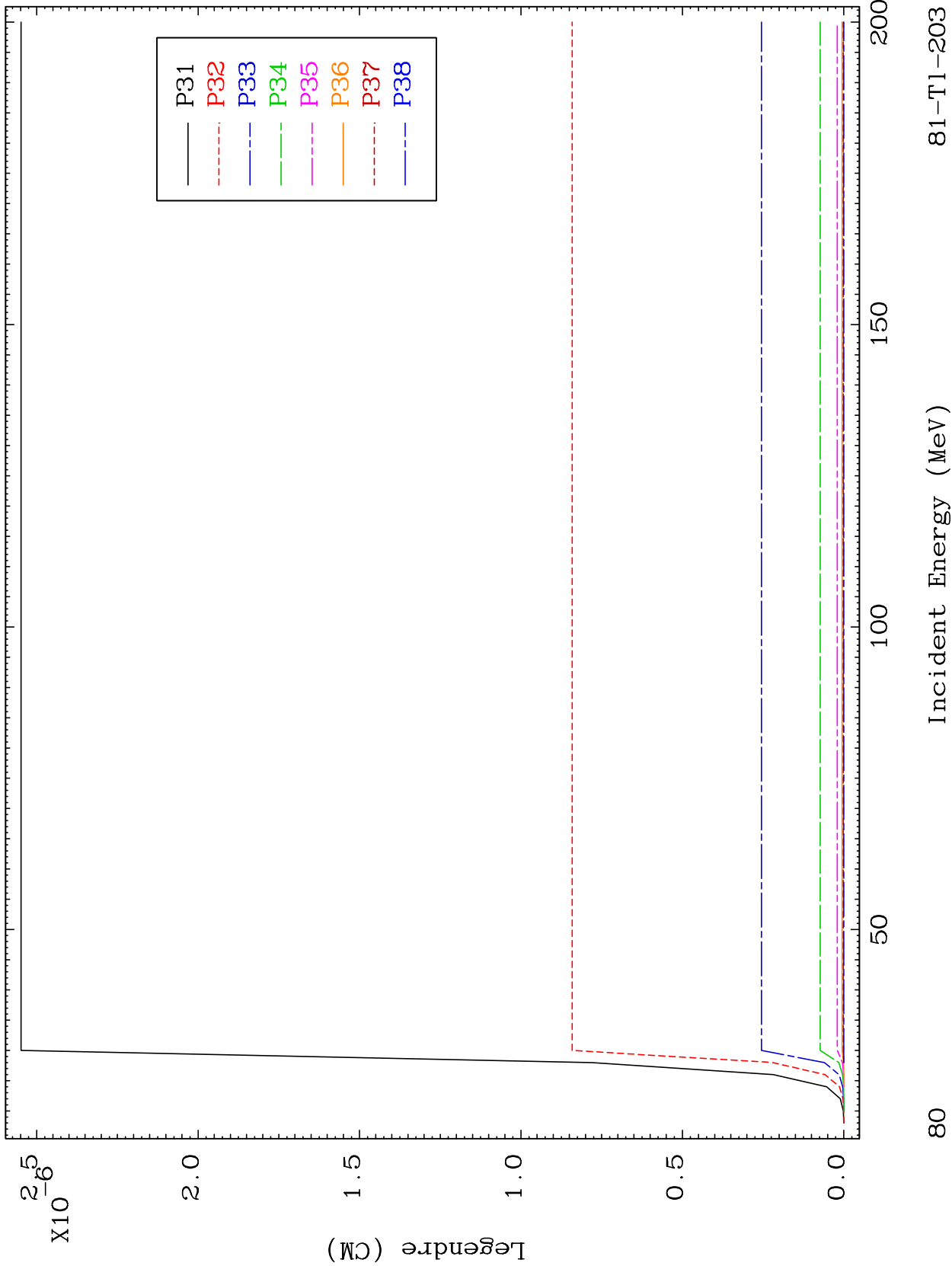
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



80

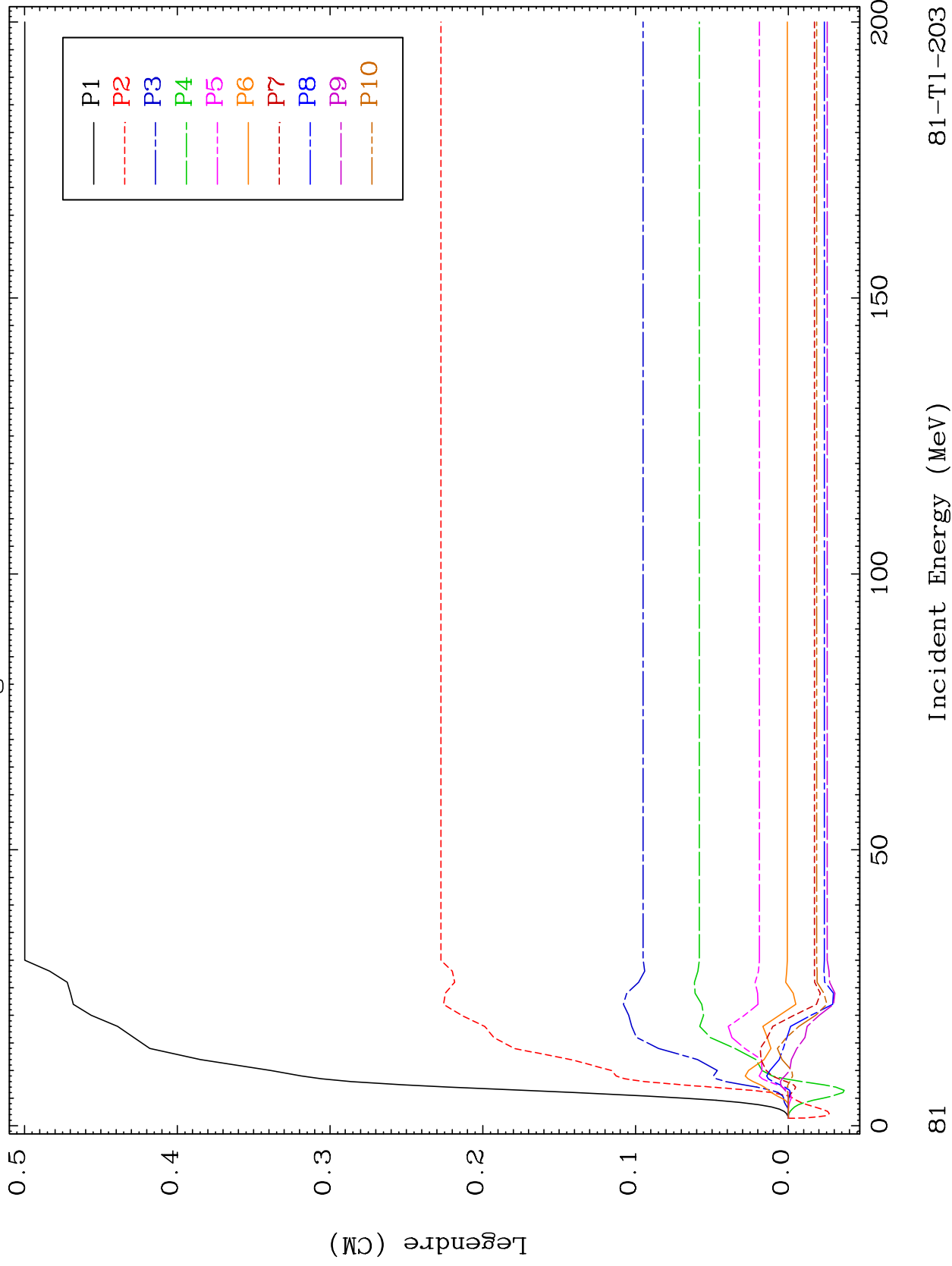
Incident Energy (MeV)

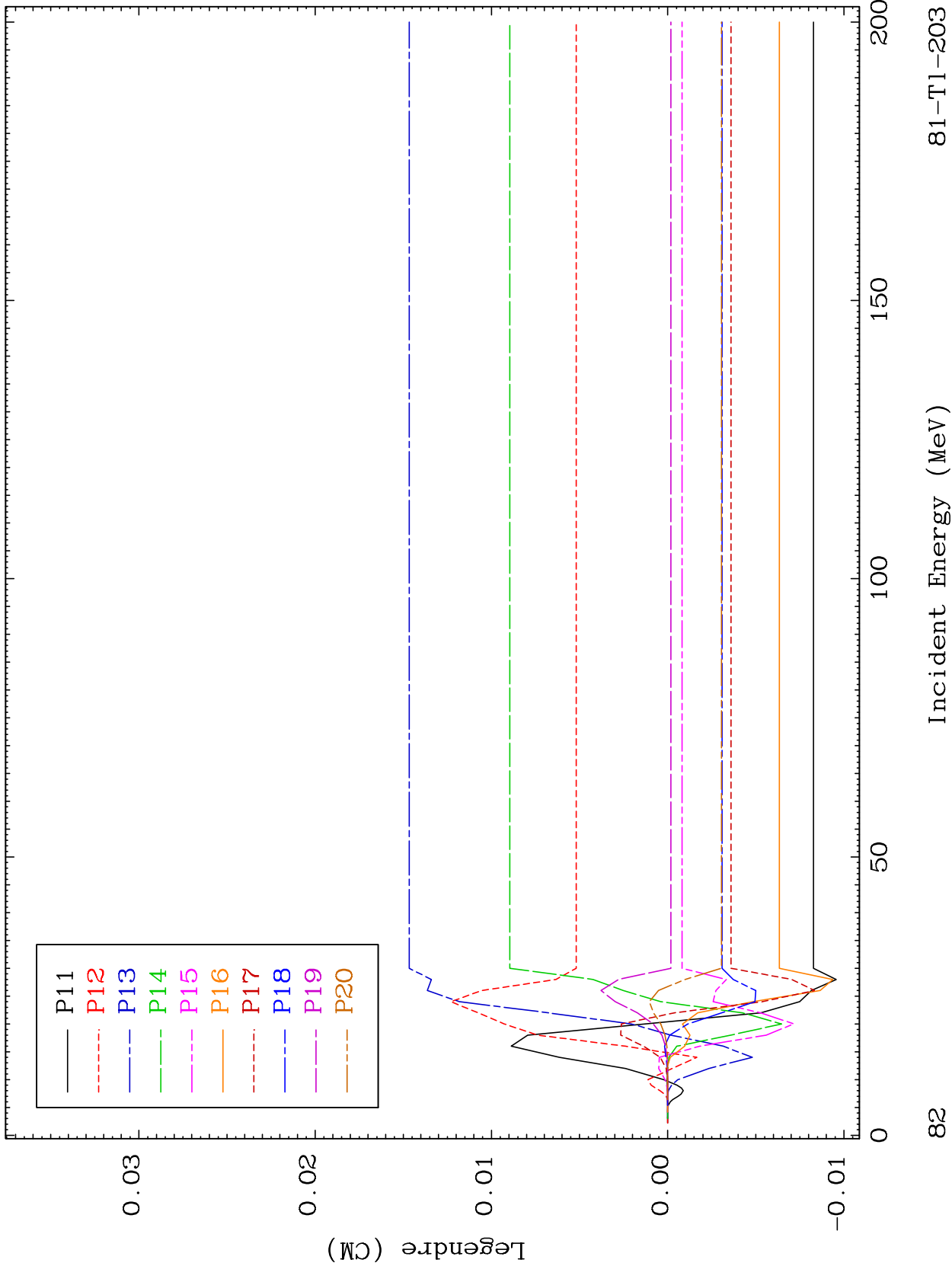
81-T1-203

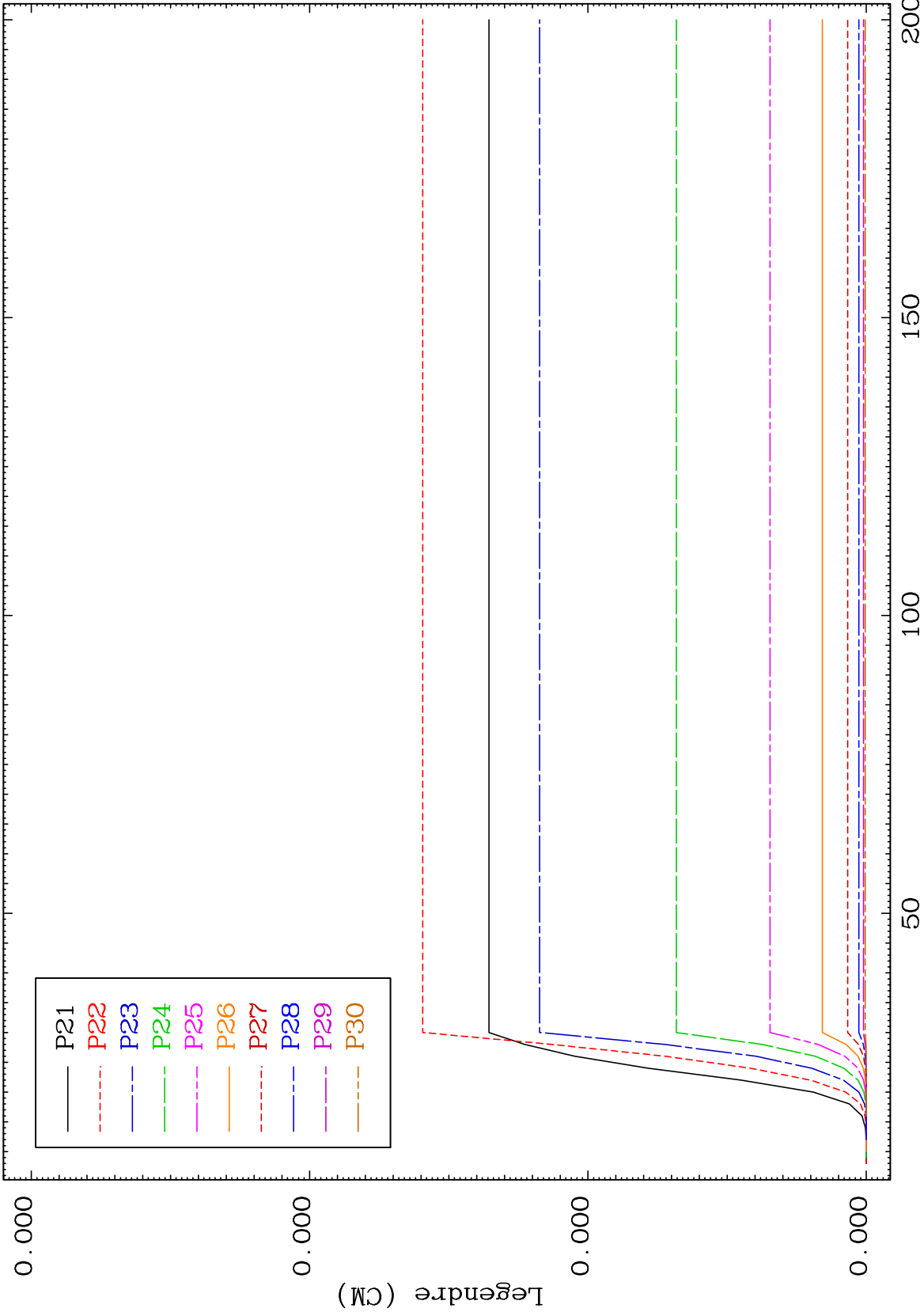
MAT 8125

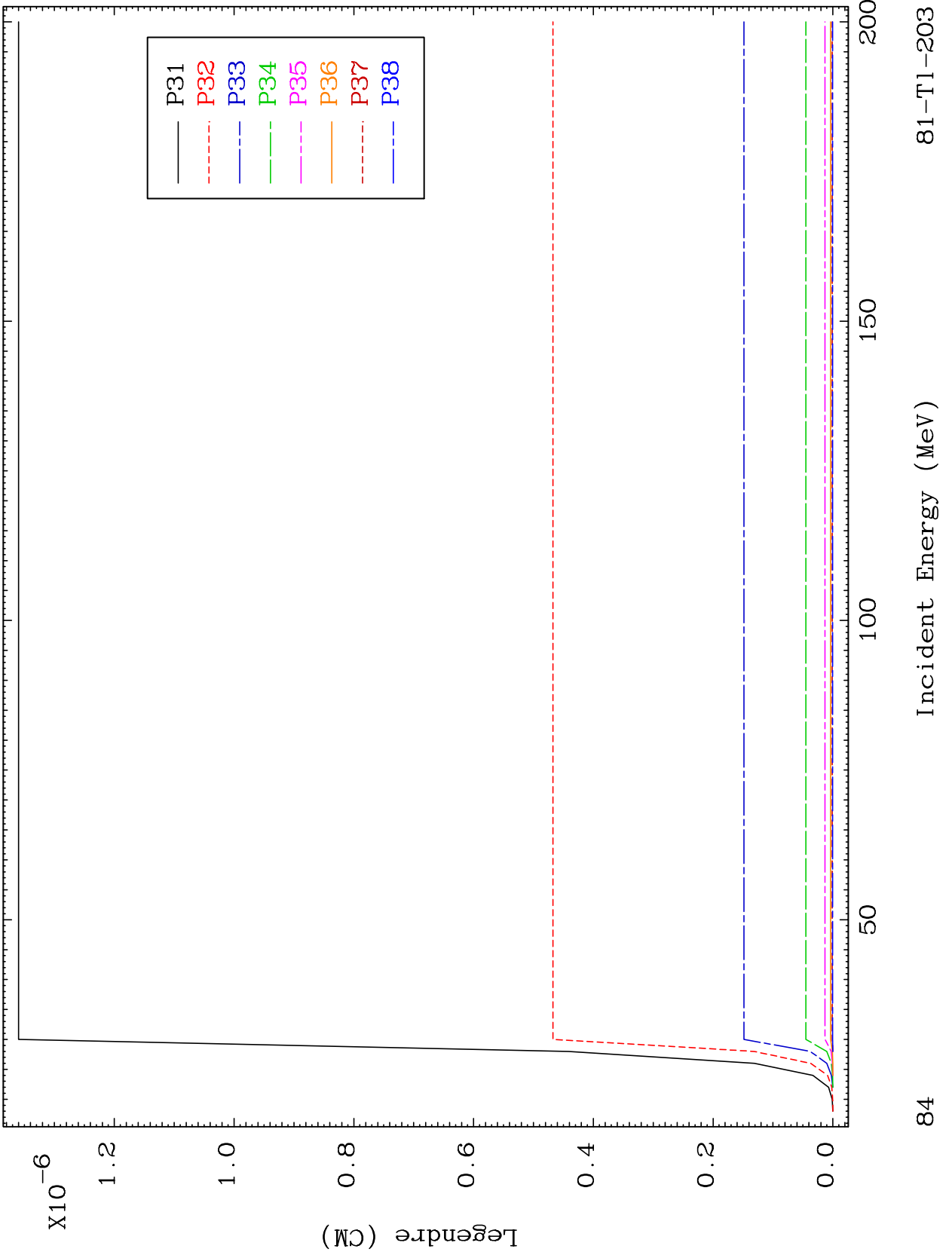
MT= 67 (n,n') Level
Legendre Coefficients

81-T1-203





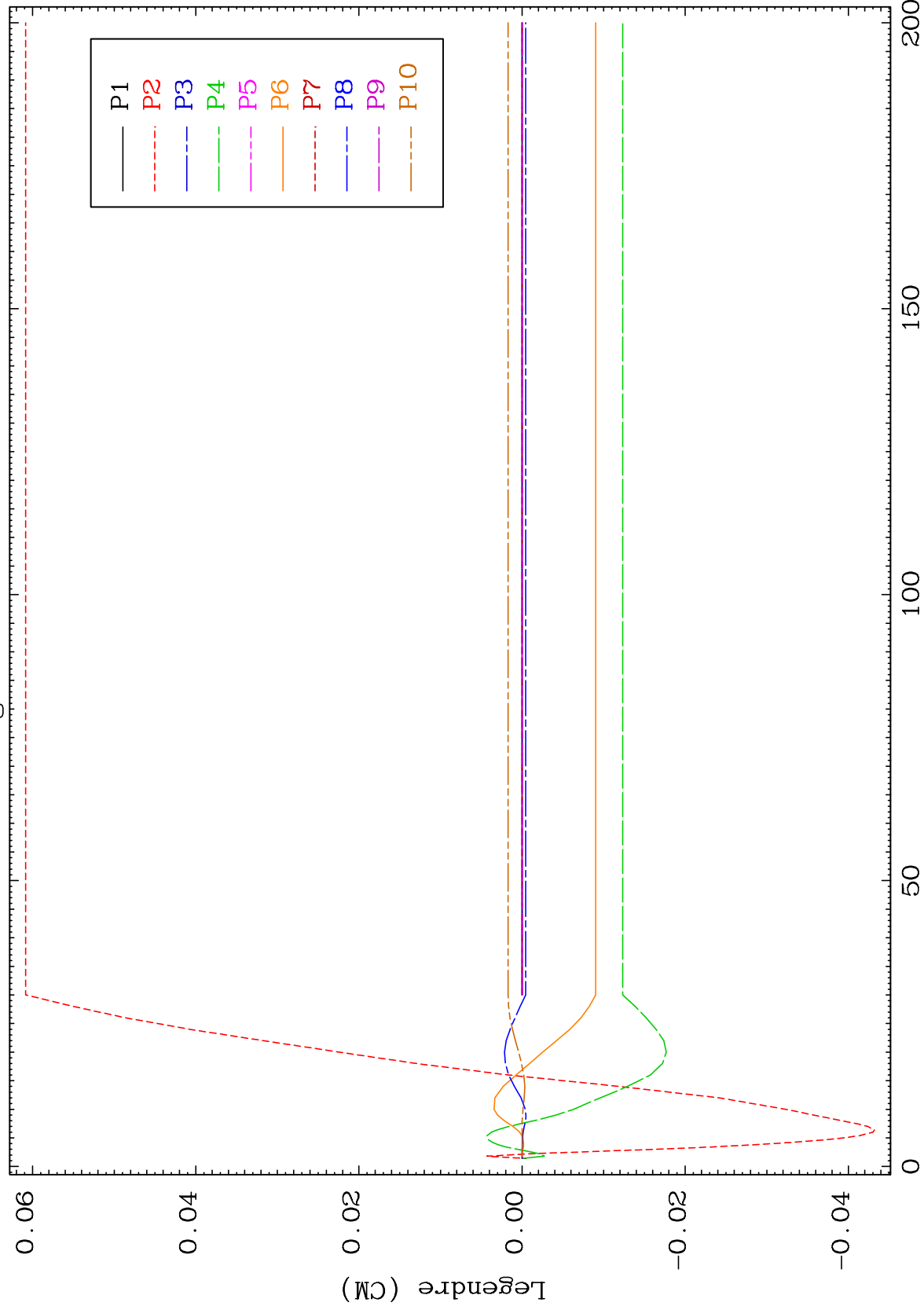




MAT 8125

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

81-T1-203



85

Incident Energy (MeV)

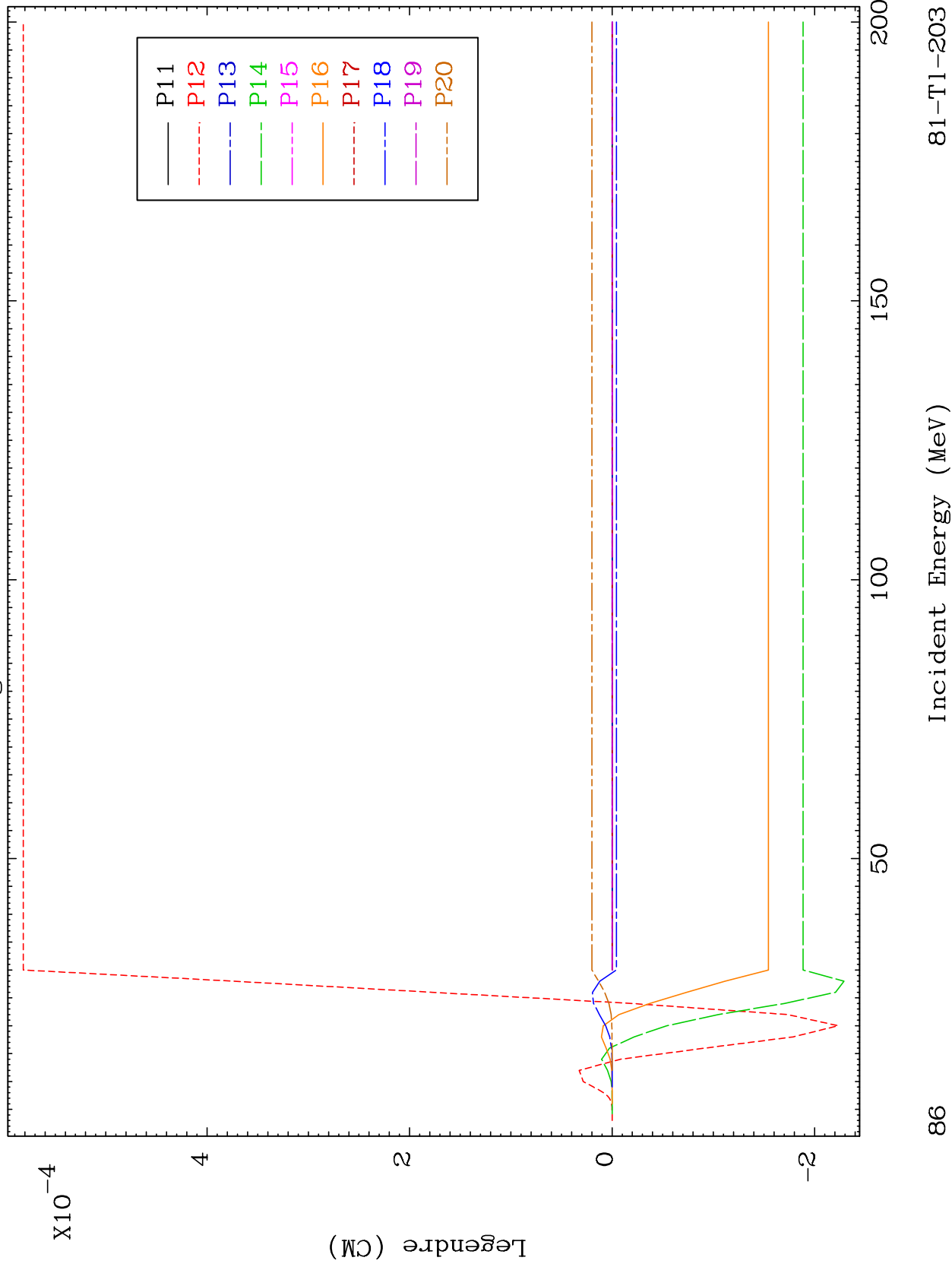
81-T1-203

MAT 8125

MT= 68 (n,n') Level

81-Tl-203

Legendre Coefficients



86

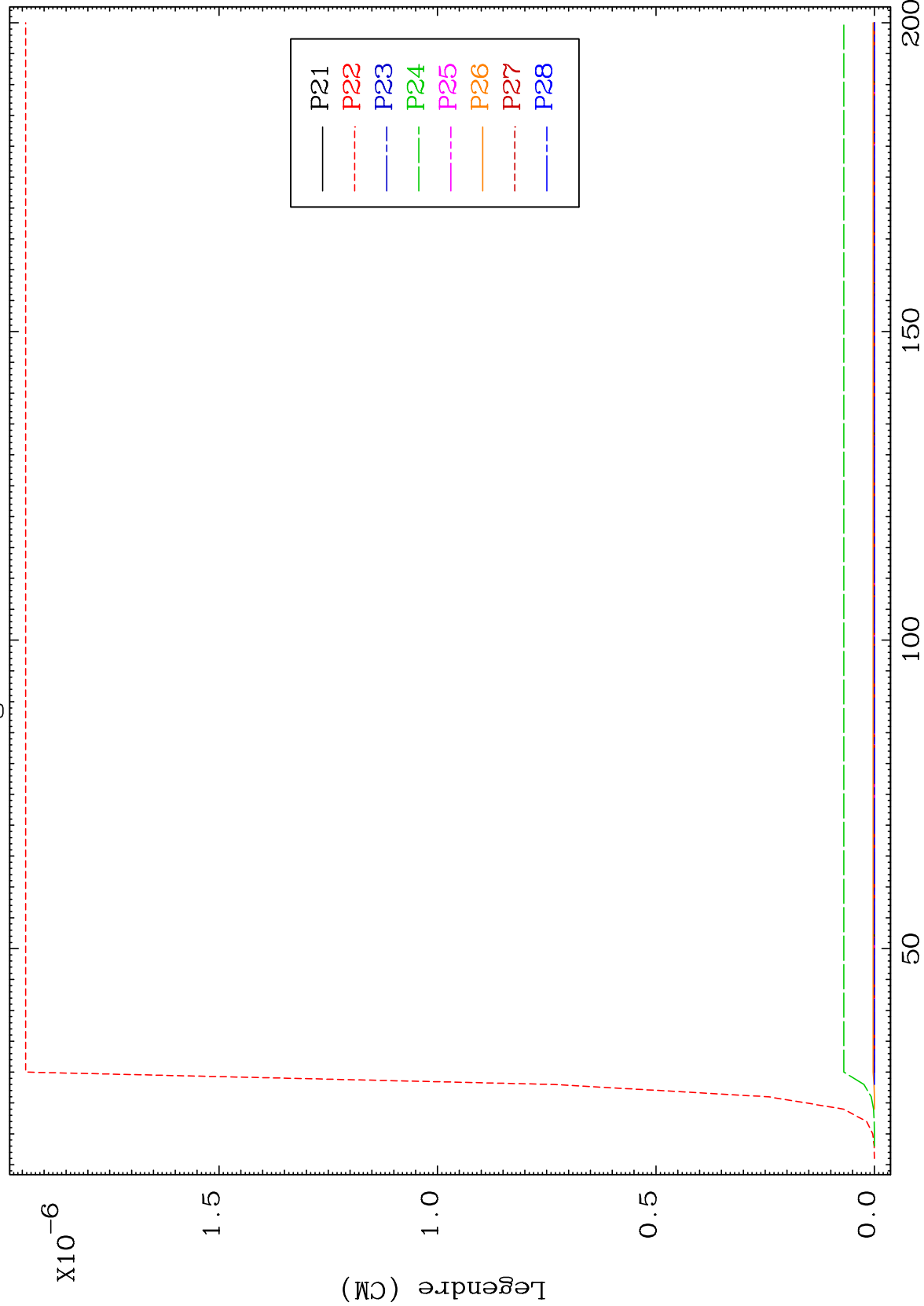
Incident Energy (MeV)

81-Tl-203

MAT 8125

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

81-T1-203



87

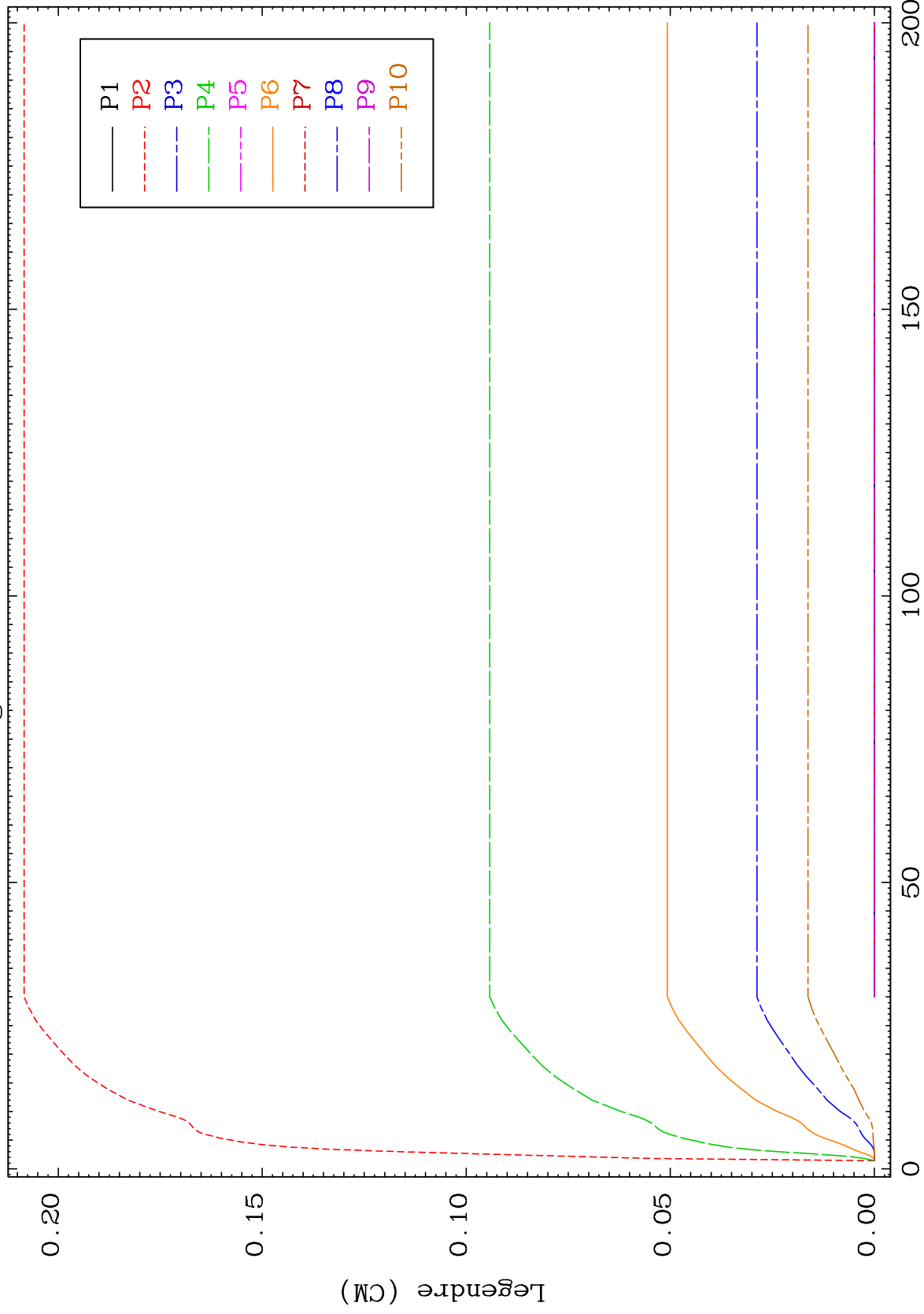
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



88

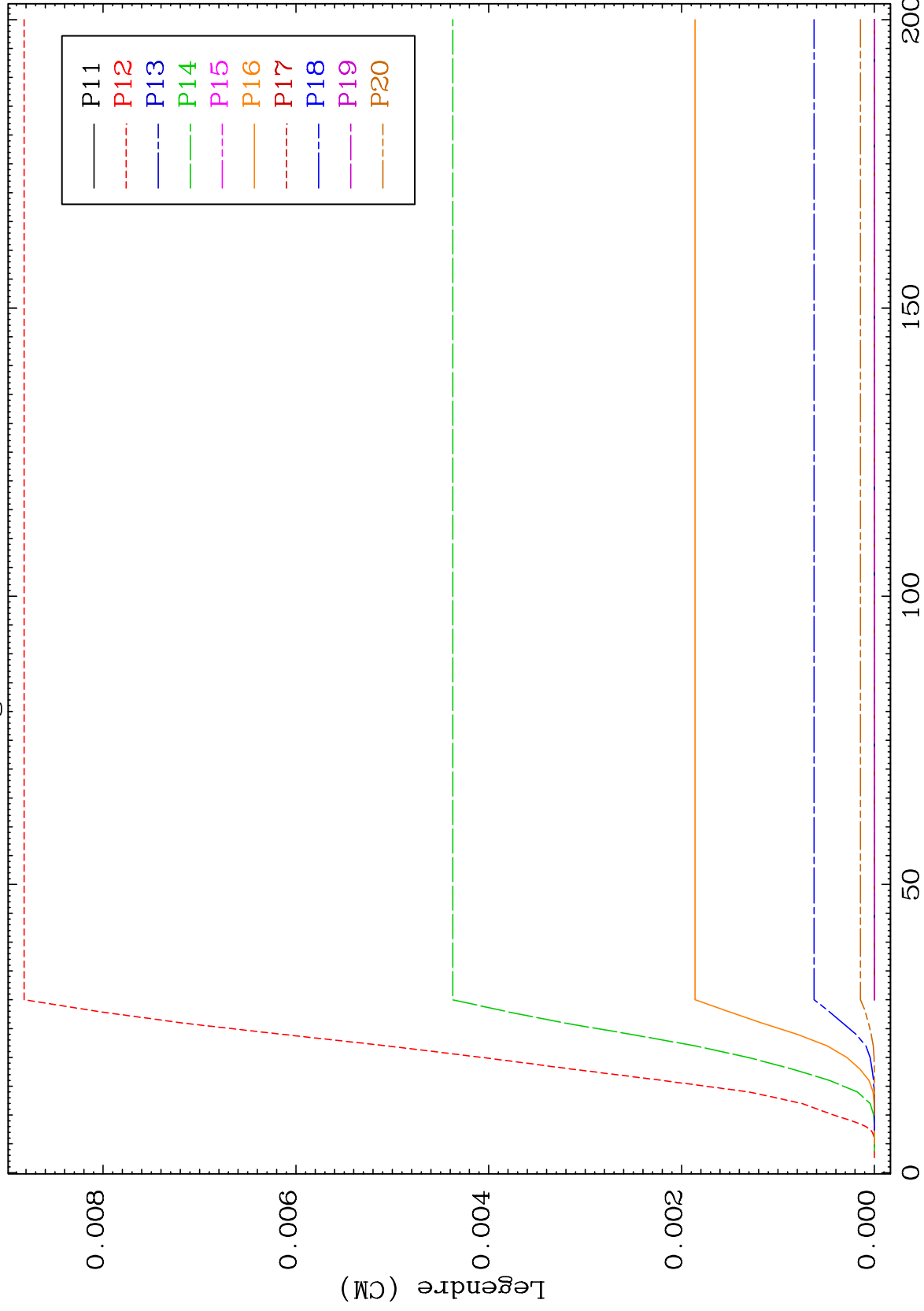
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



89

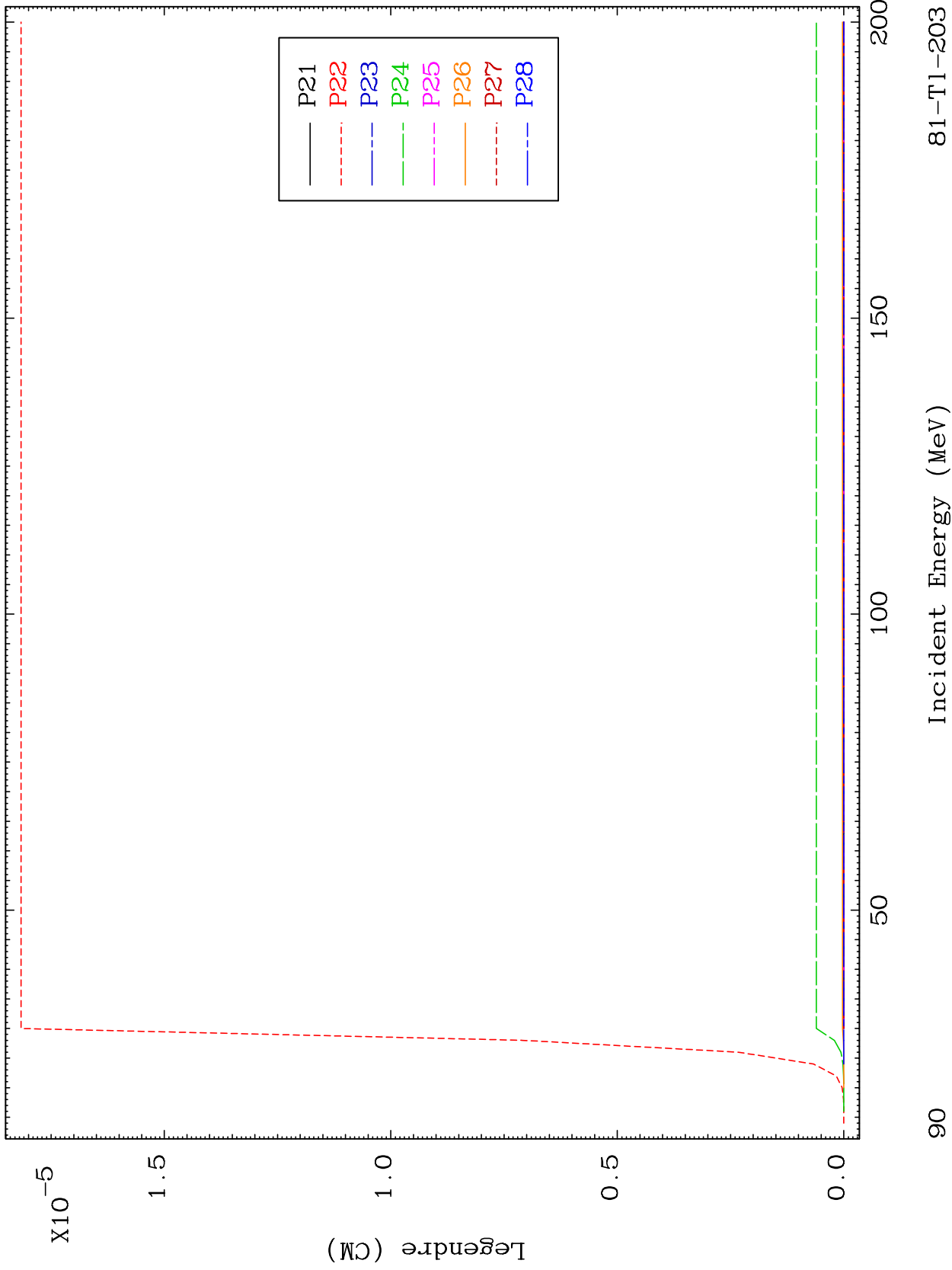
Incident Energy (MeV)

81-T1-203

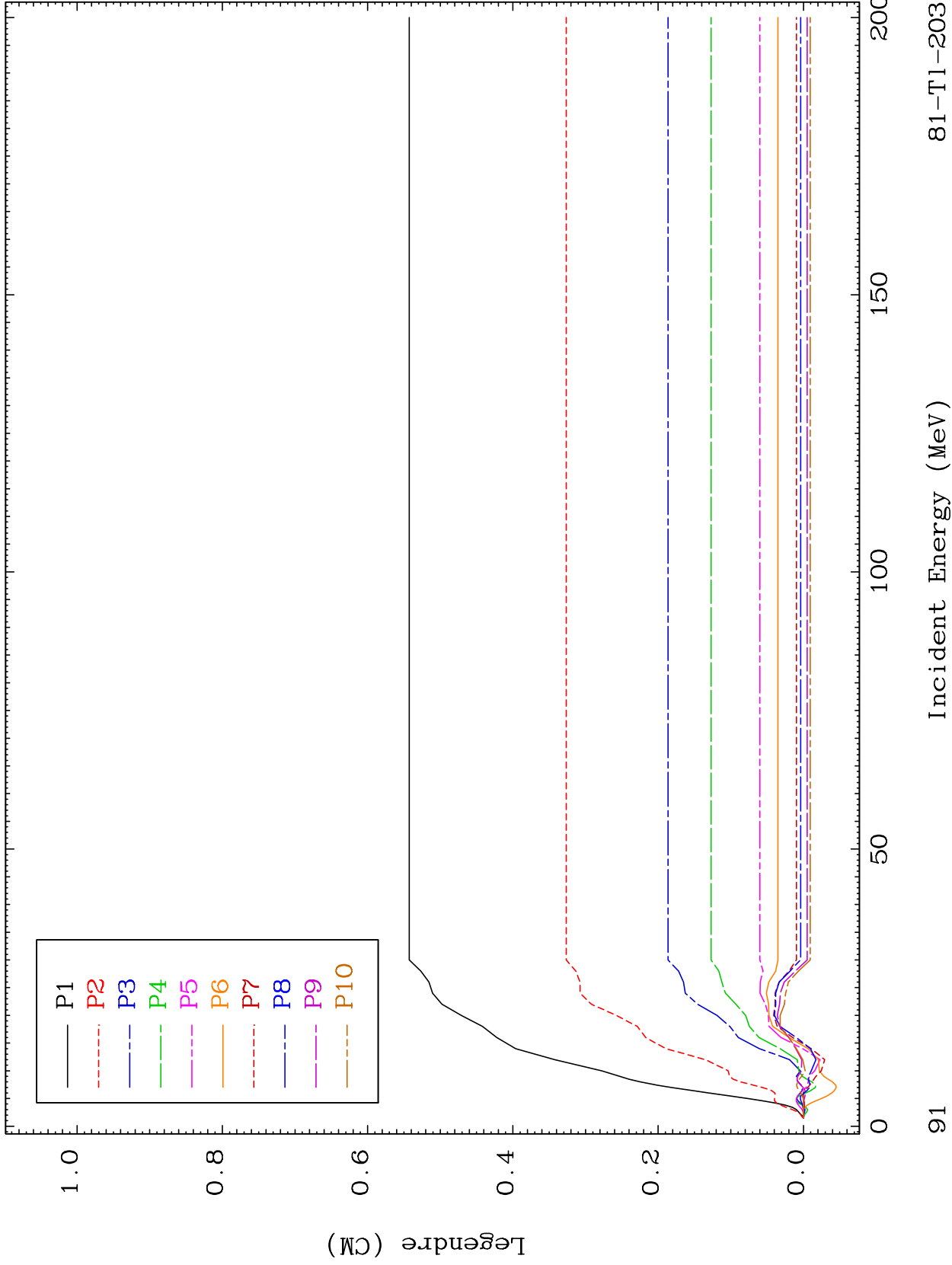
MAT 8125

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

81-T1-203



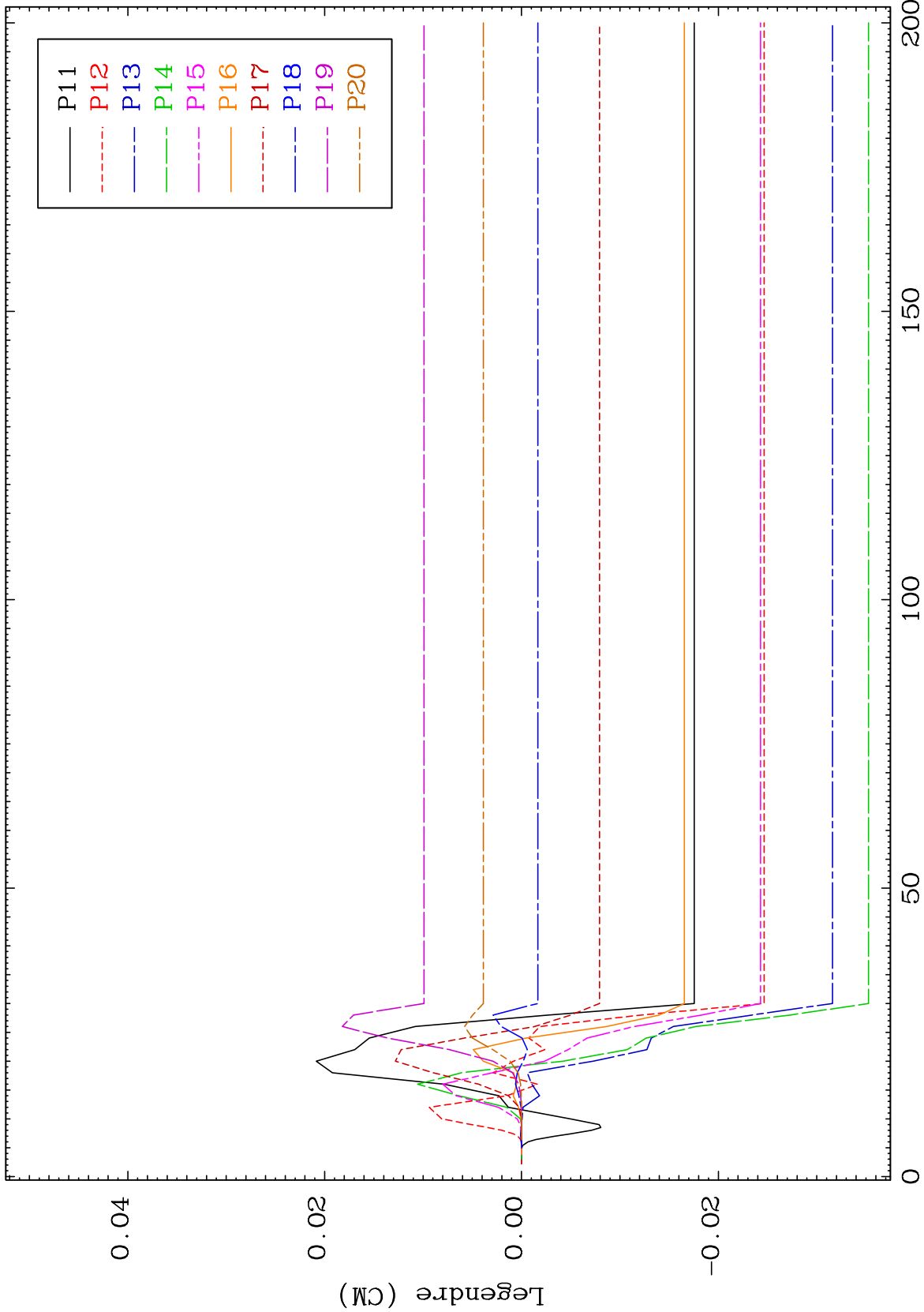
81-T1-203



MAT 8125

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

81-T1-203



92

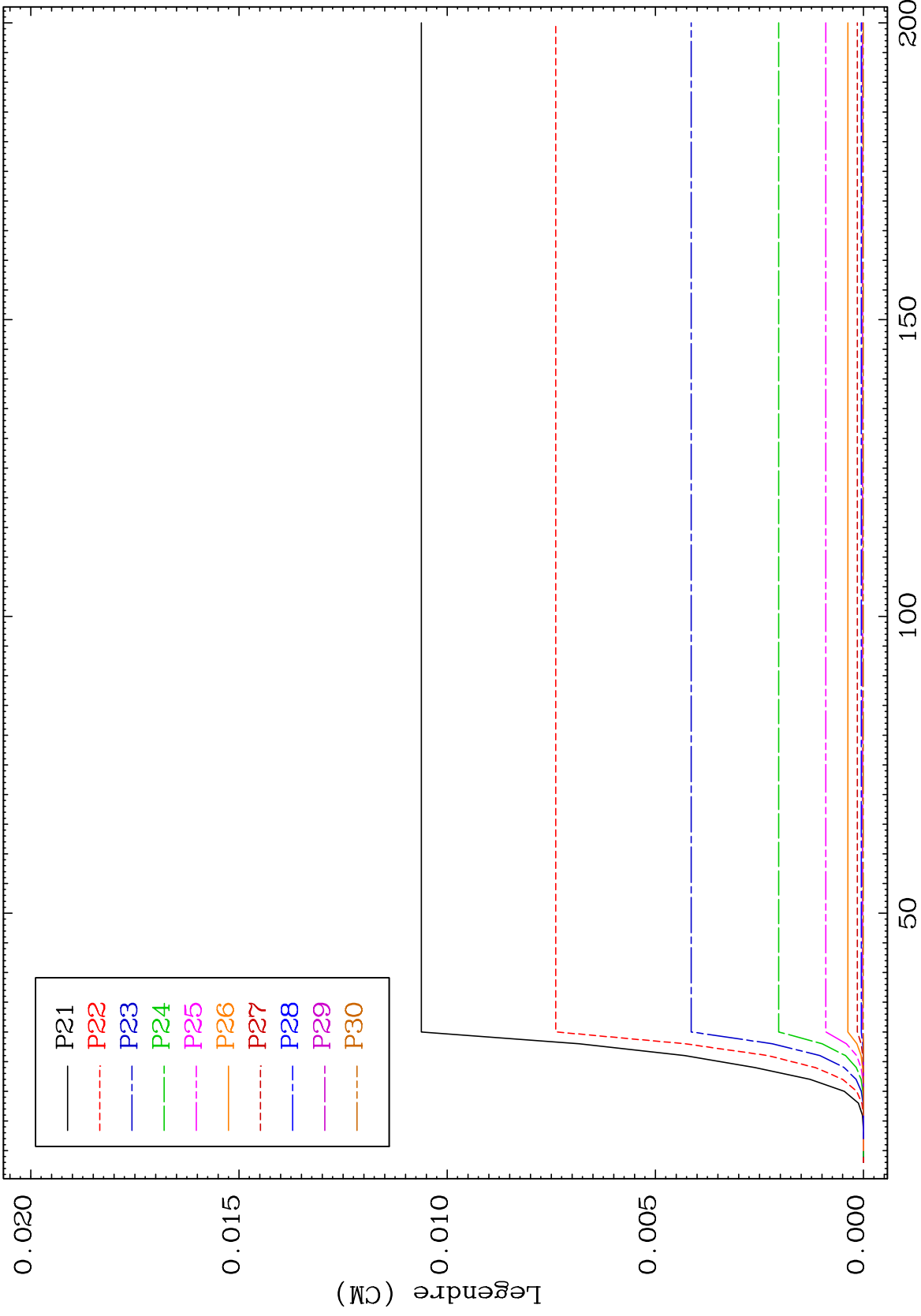
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



93

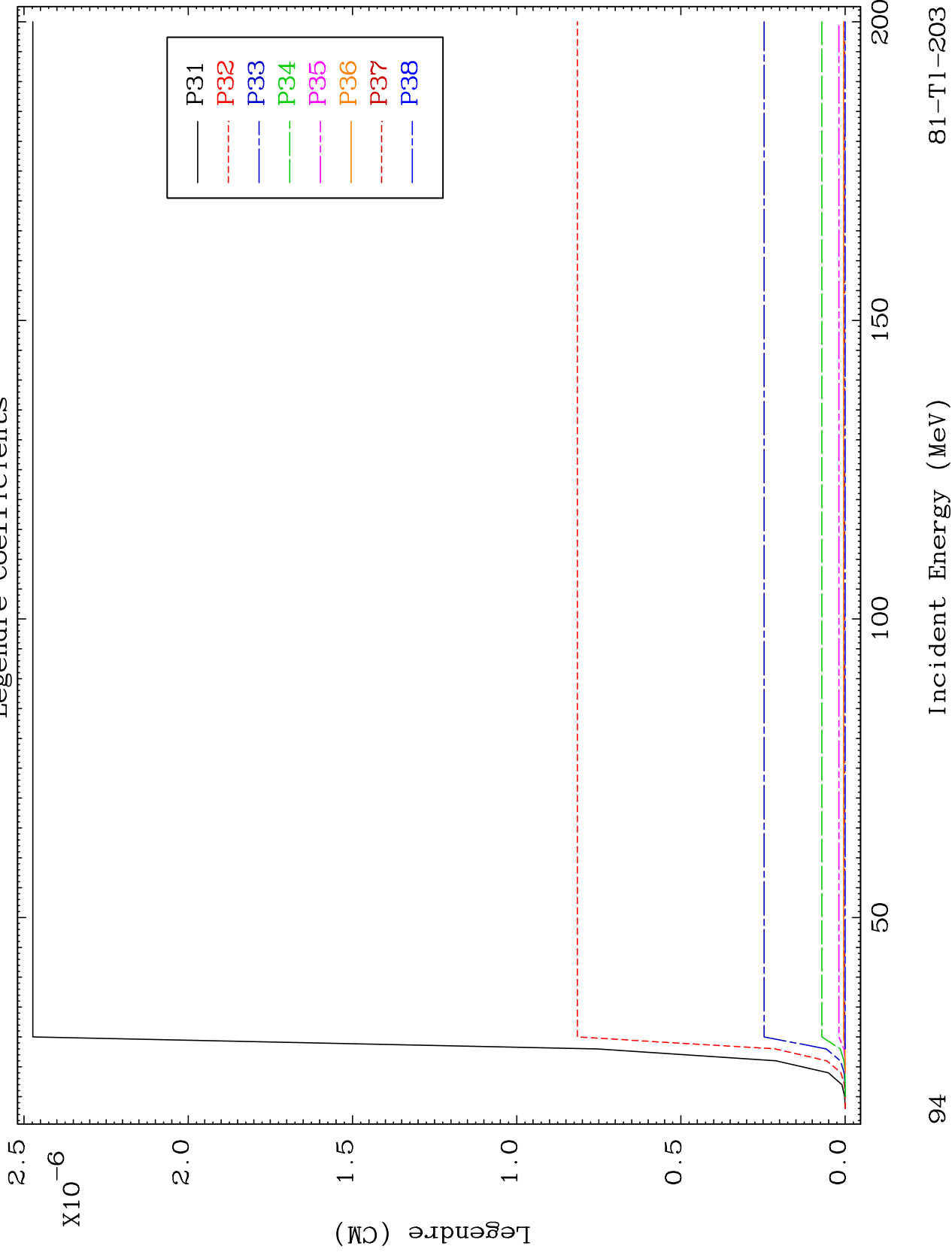
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



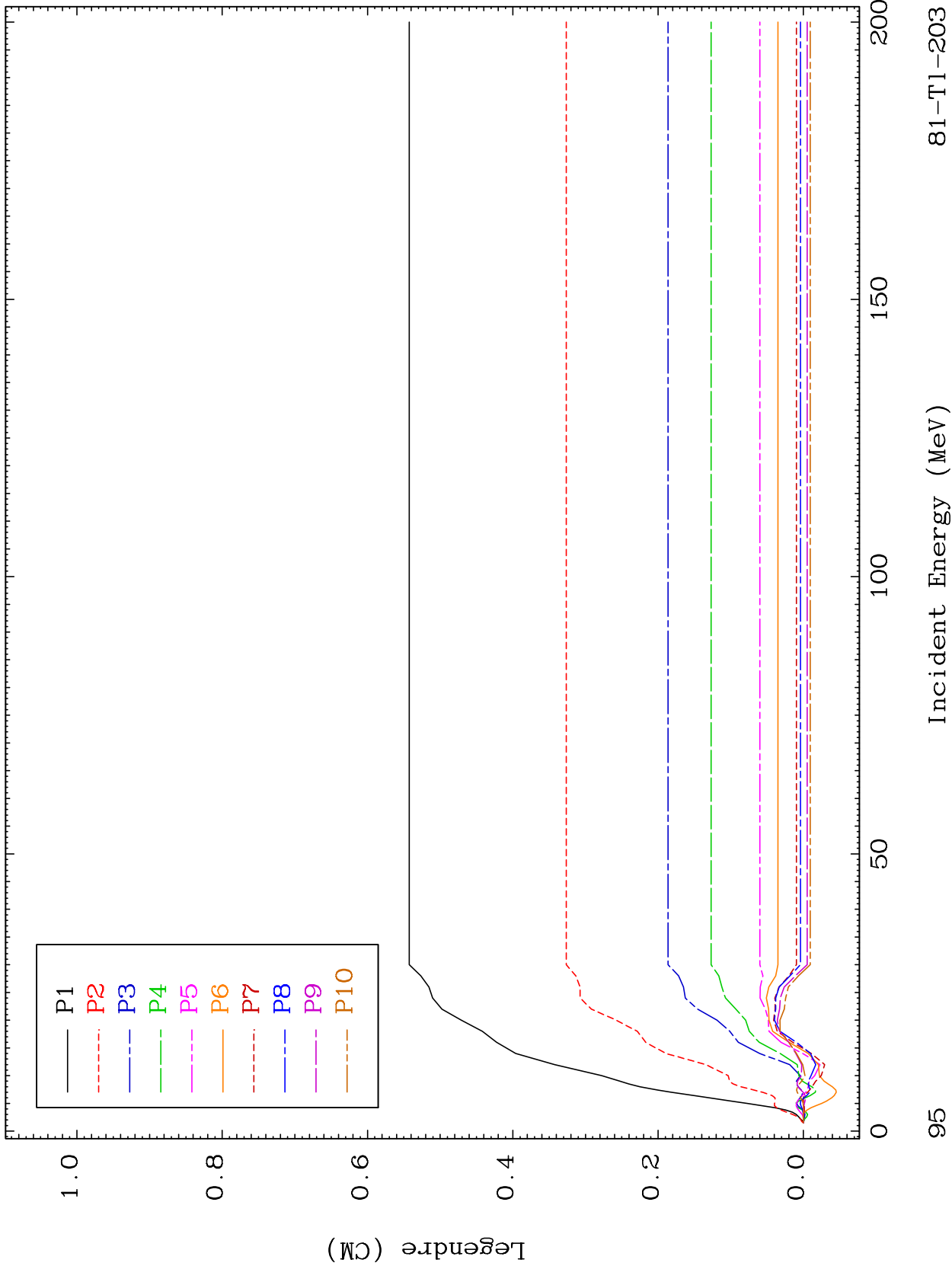
94

81-T1-203

MAT 8125

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

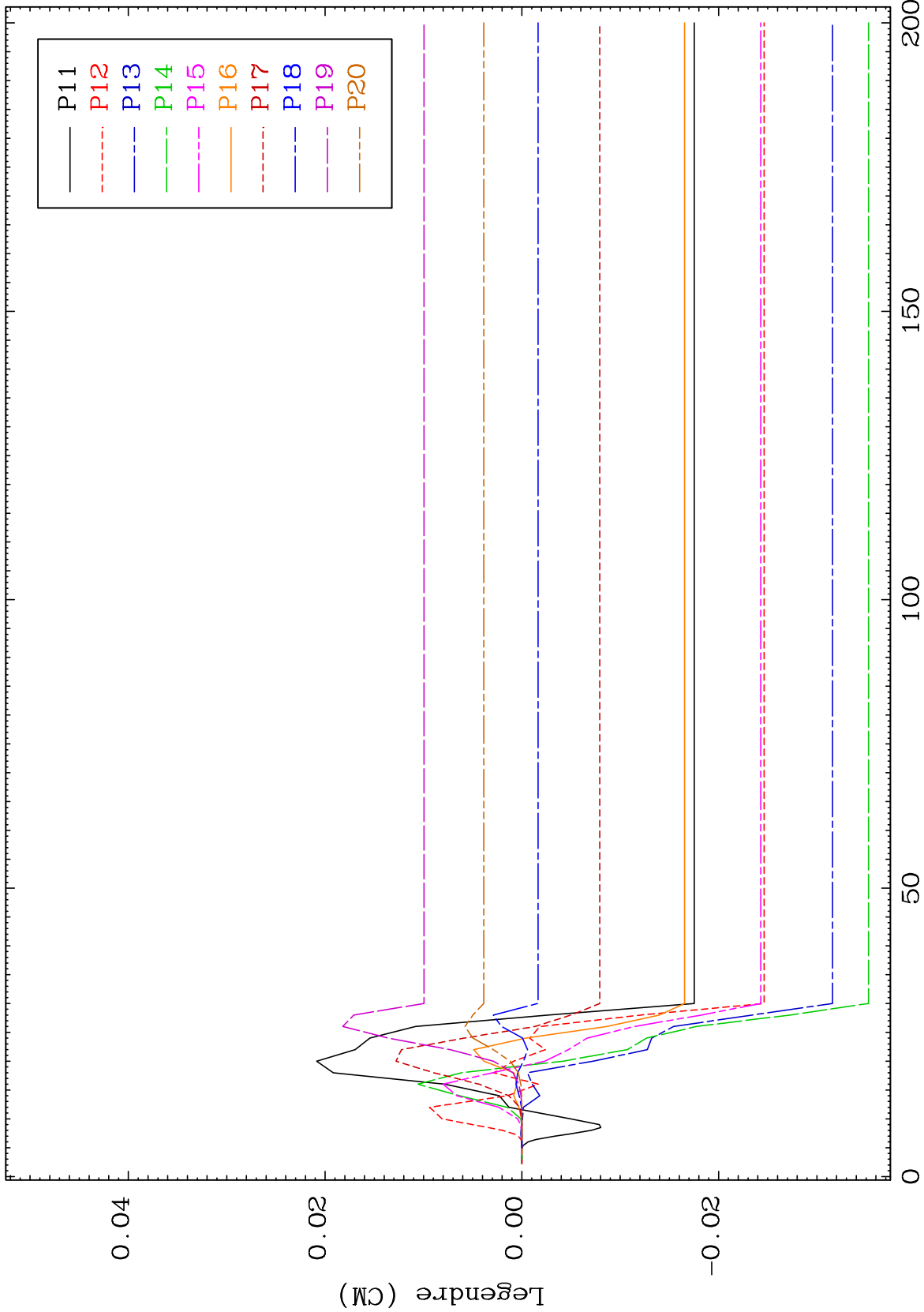
81-T1-203



MAT 8125

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

81-T1-203



96

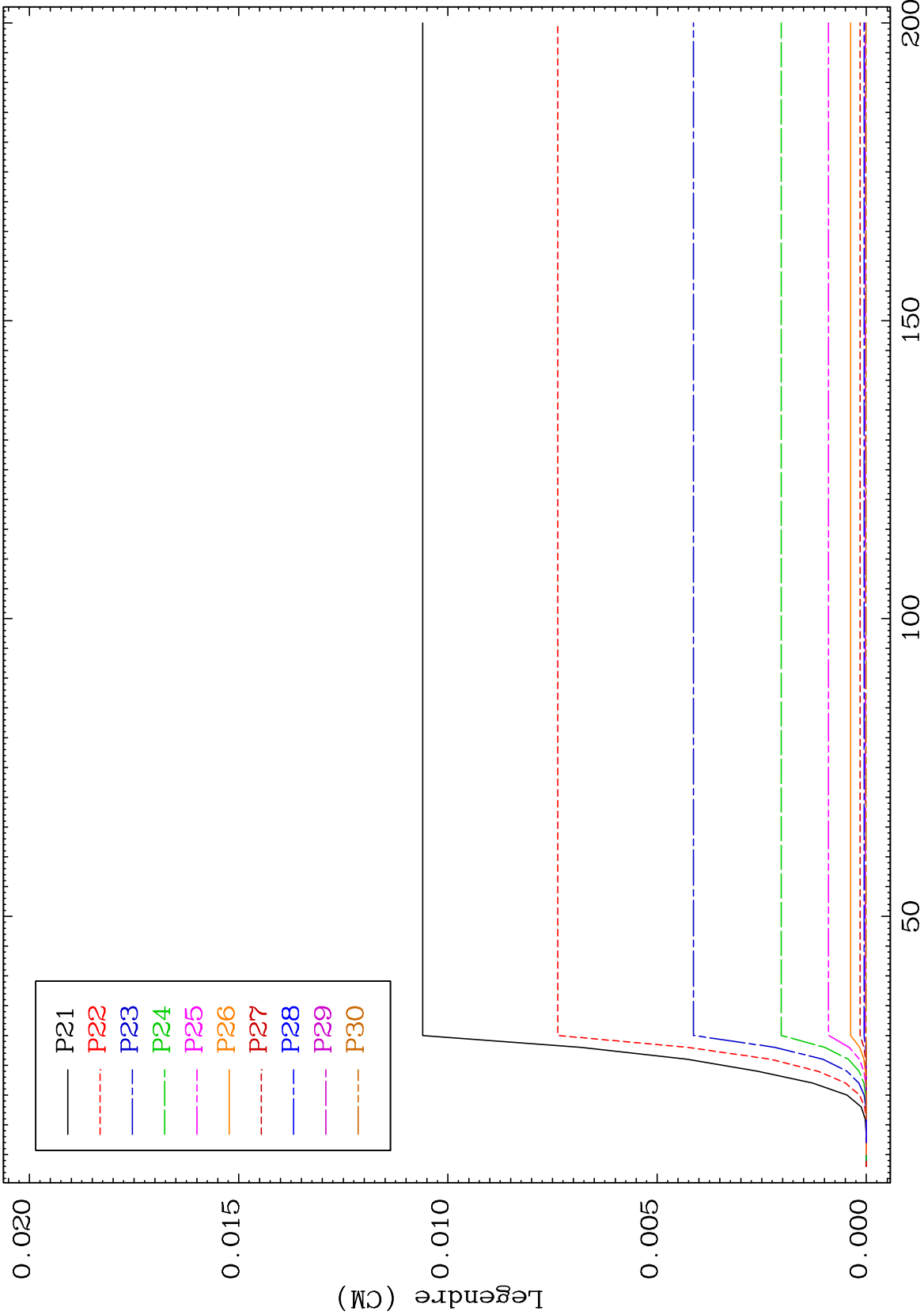
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



97

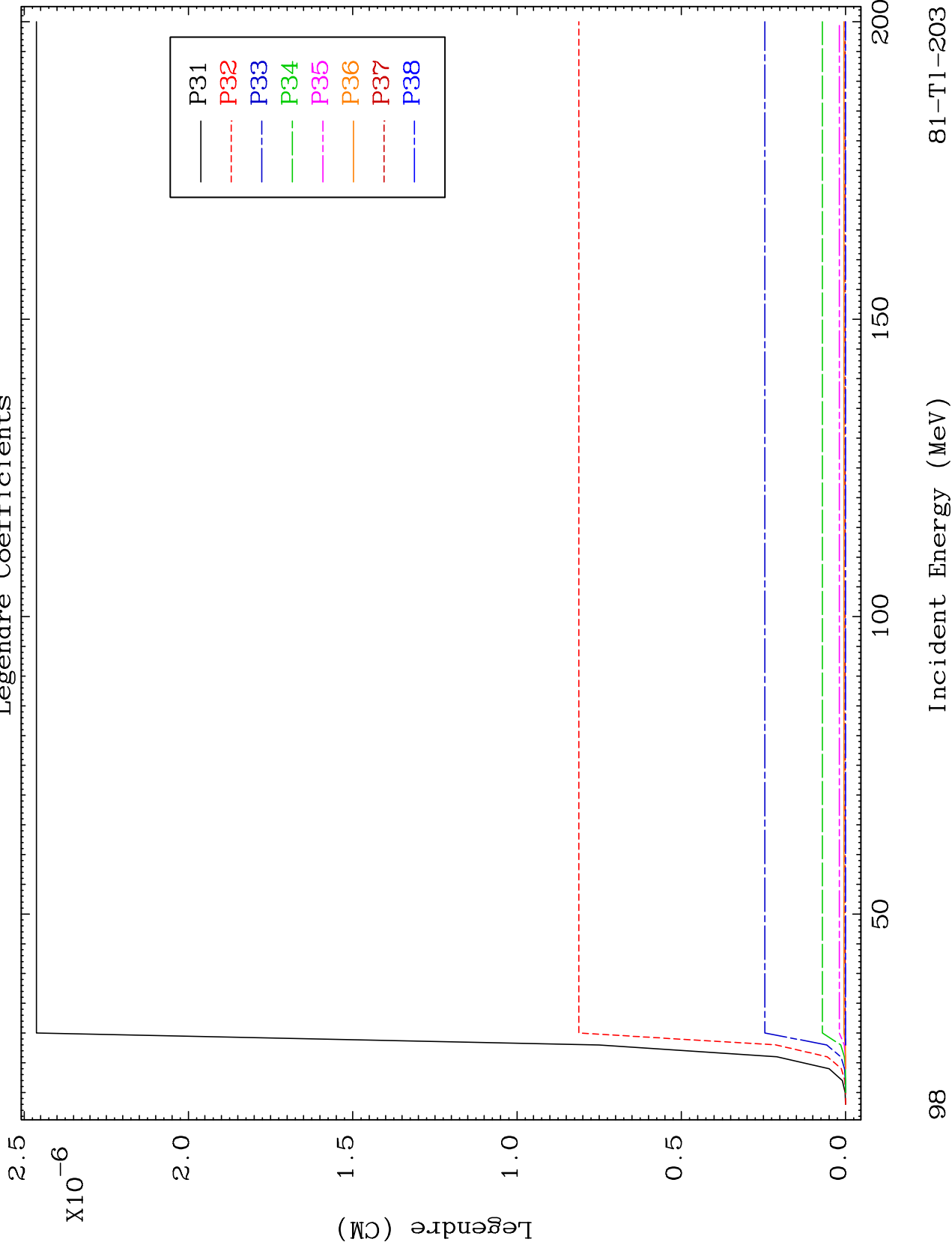
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



98

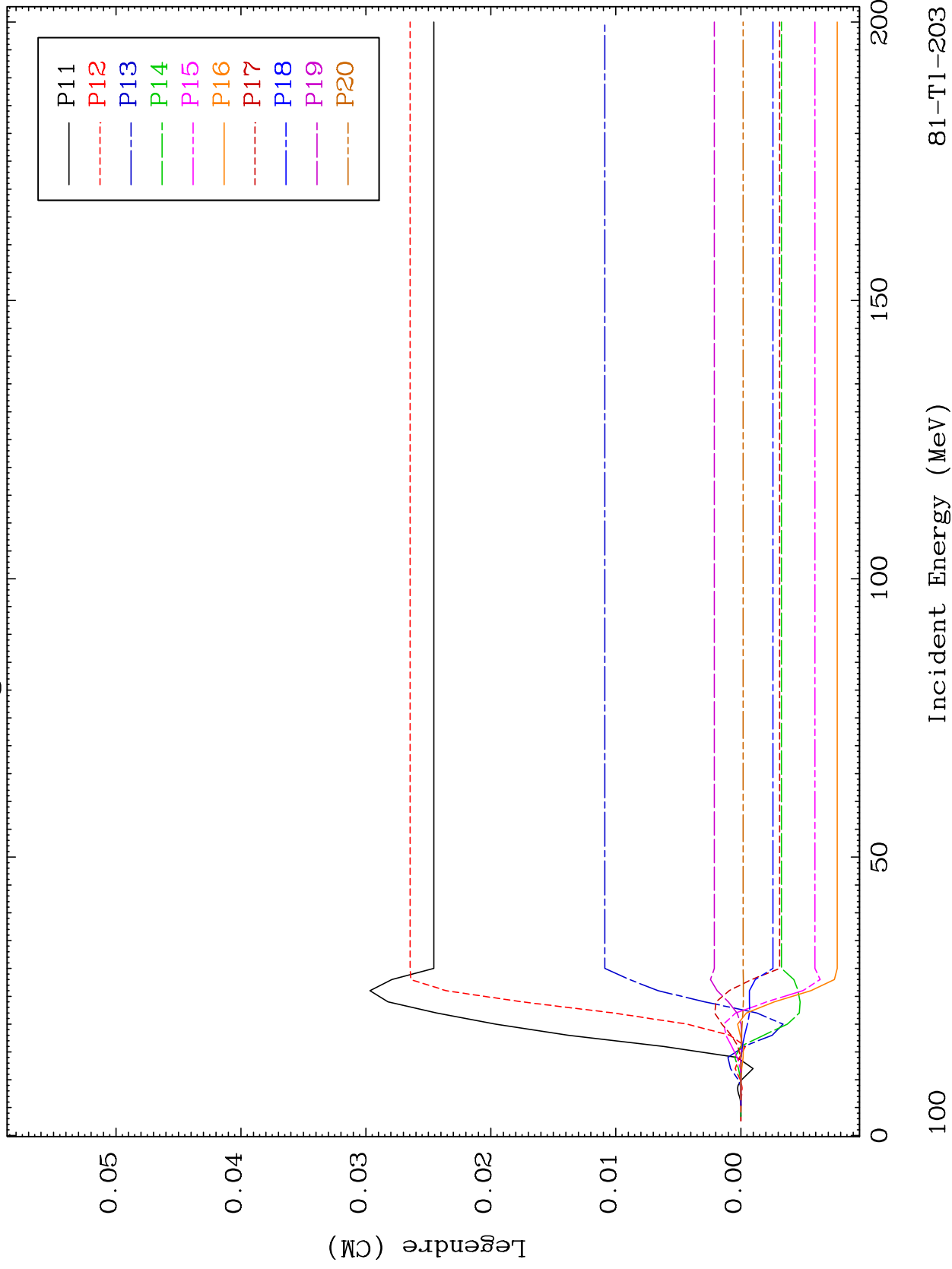
Incident Energy (MeV)

81-T1-203

MAT 8125

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

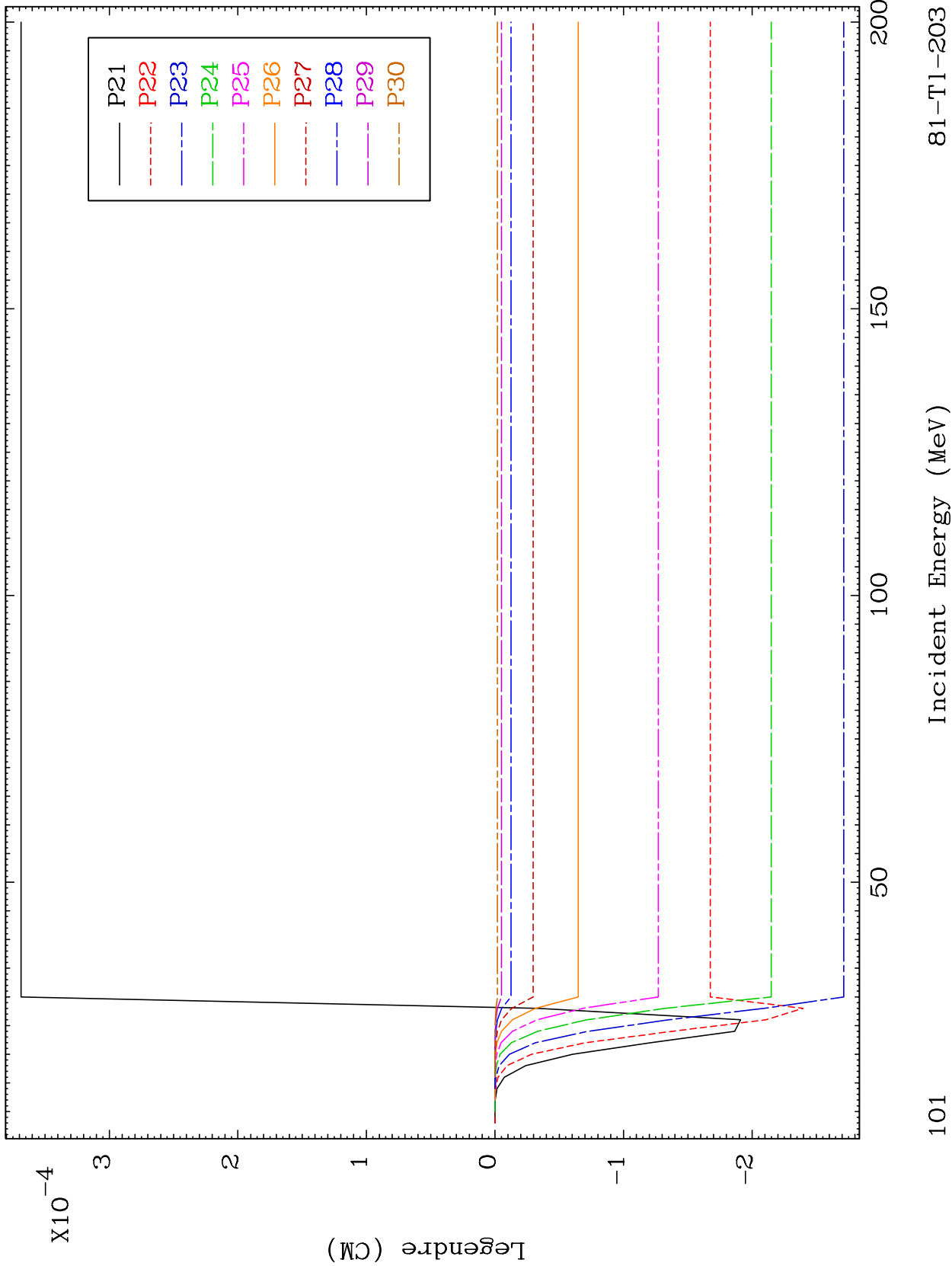
81-T1-203



MAT 8125

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

81-T1-203



101

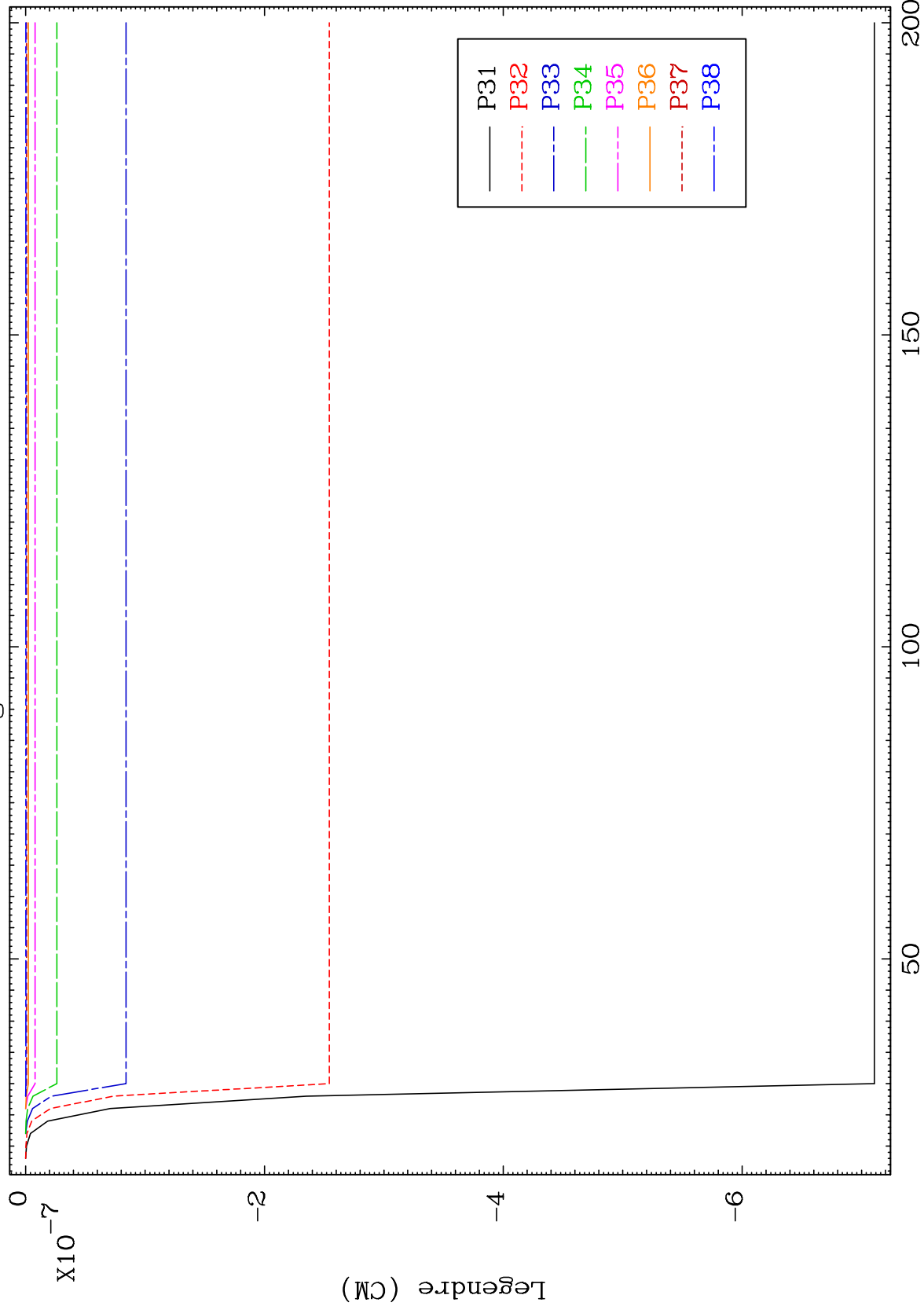
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



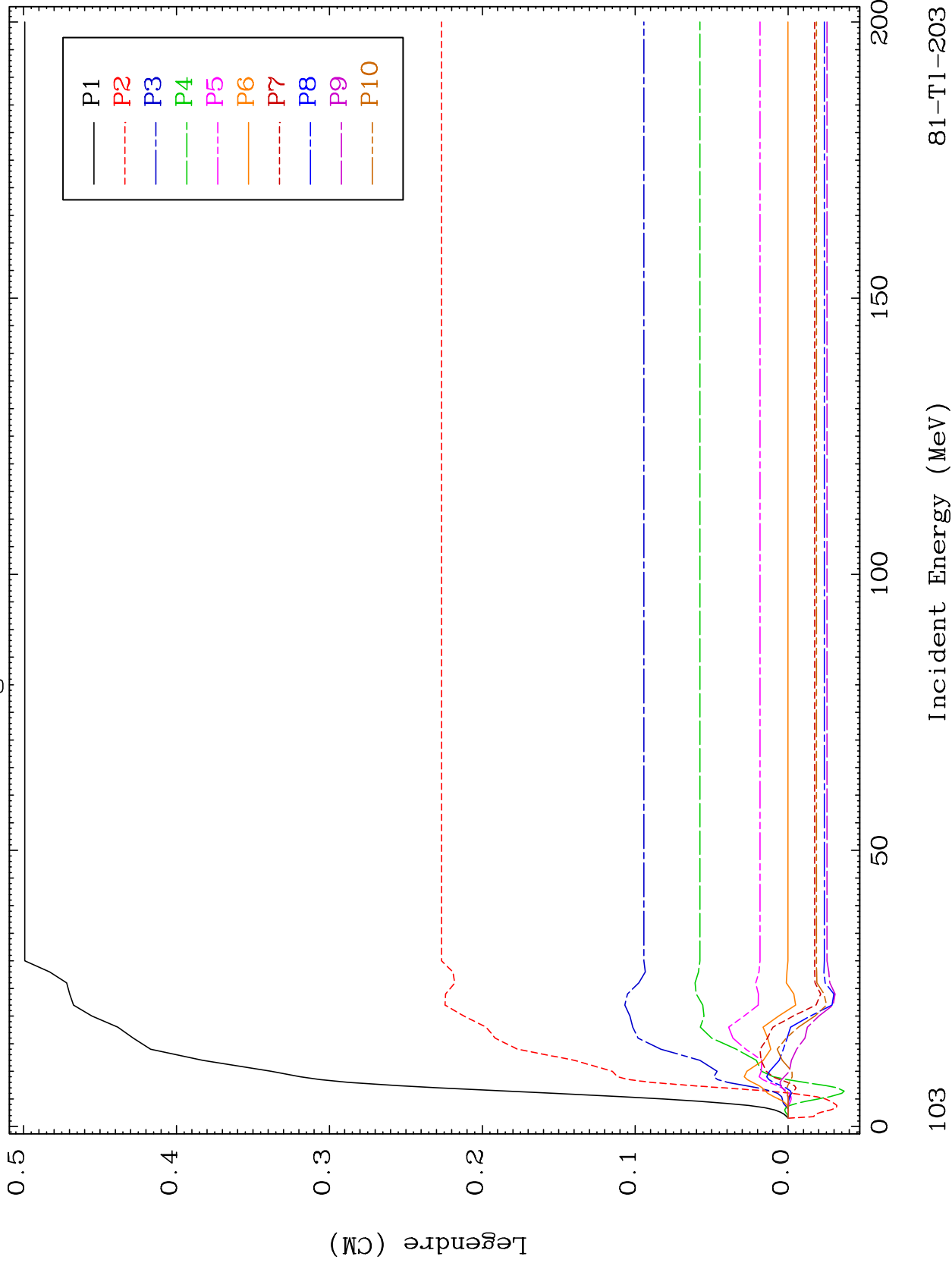
102

81-T1-203

MAT 8125

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

81-T1-203



81-T1-203

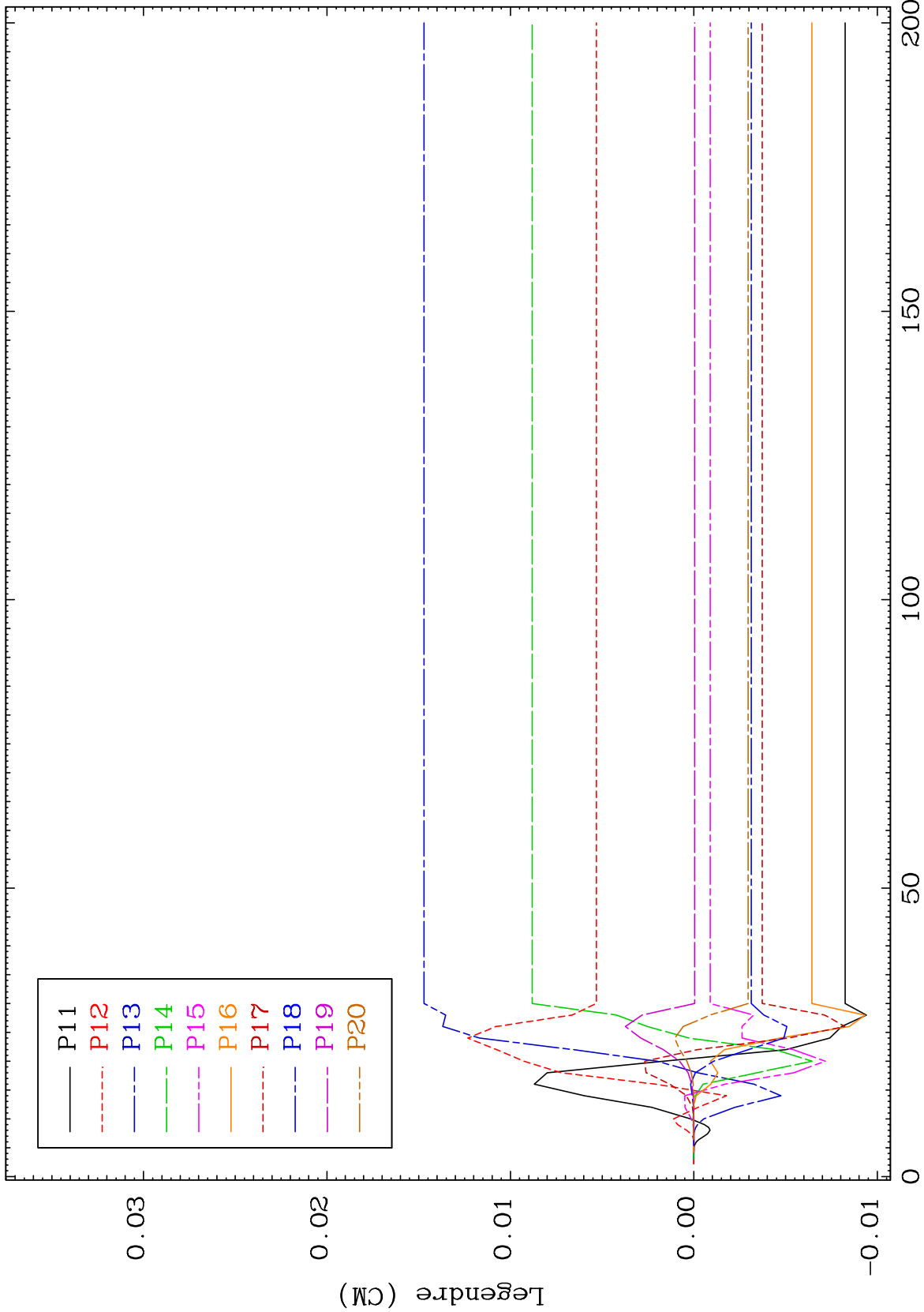
Incident Energy (MeV)

103

MAT 8125

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

81-T1-203



104

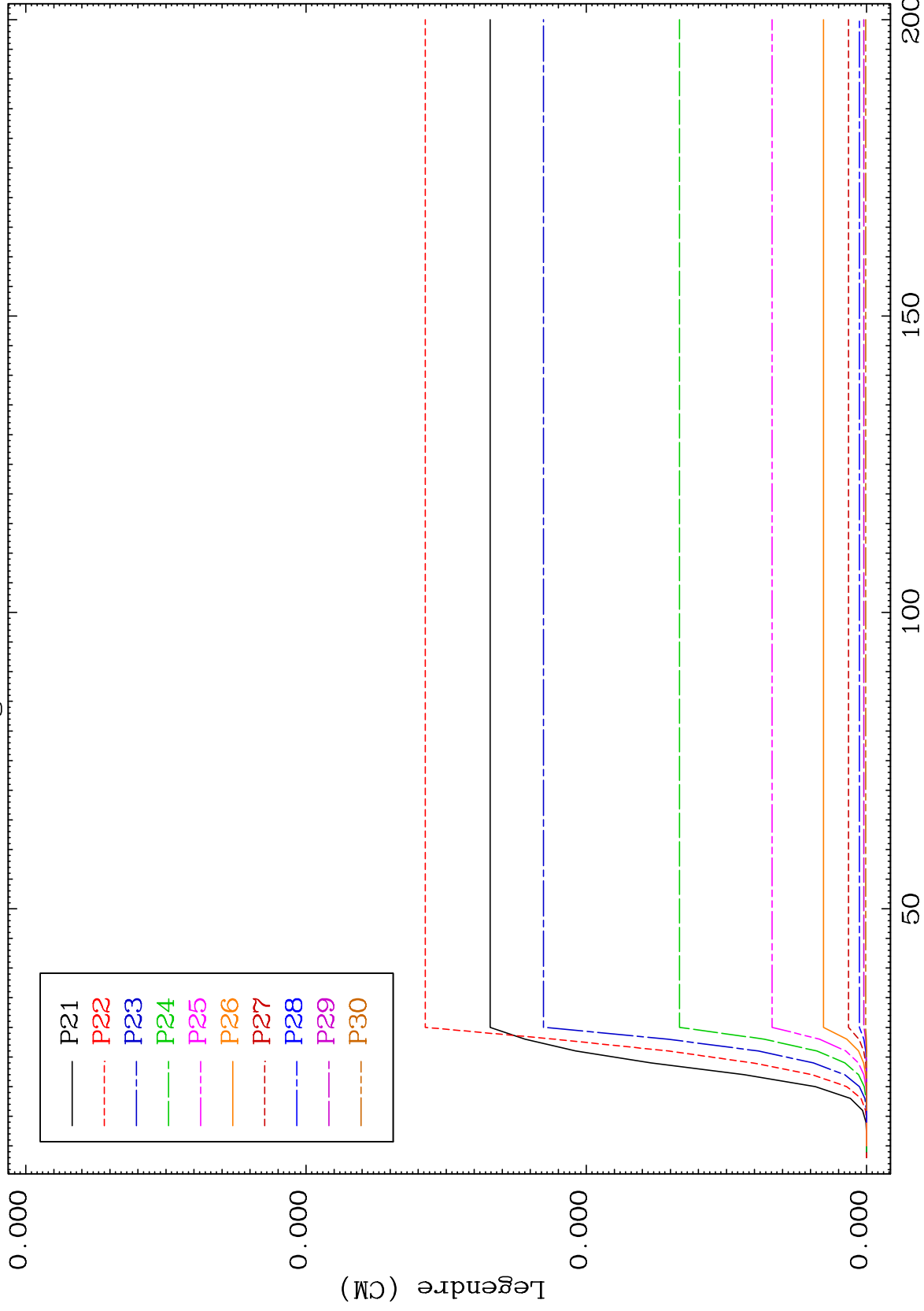
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



105

Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203

$\times 10^{-6}$
1.2

1.0

0.8

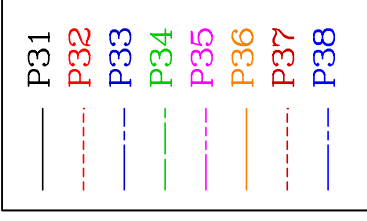
0.6

0.4

0.2

0.0

Legendre (CM)



50

100

150

200

106

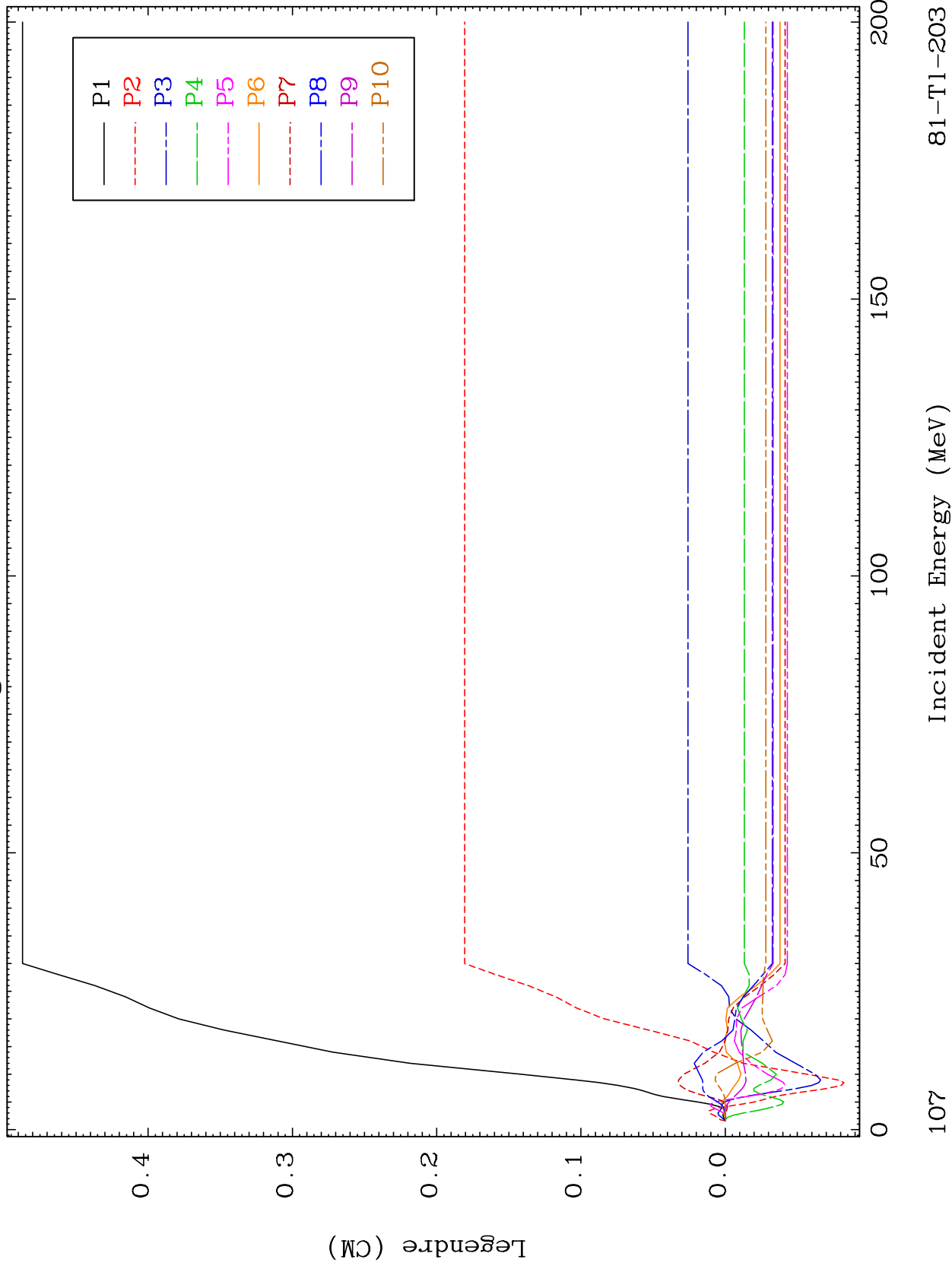
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



81-T1-203

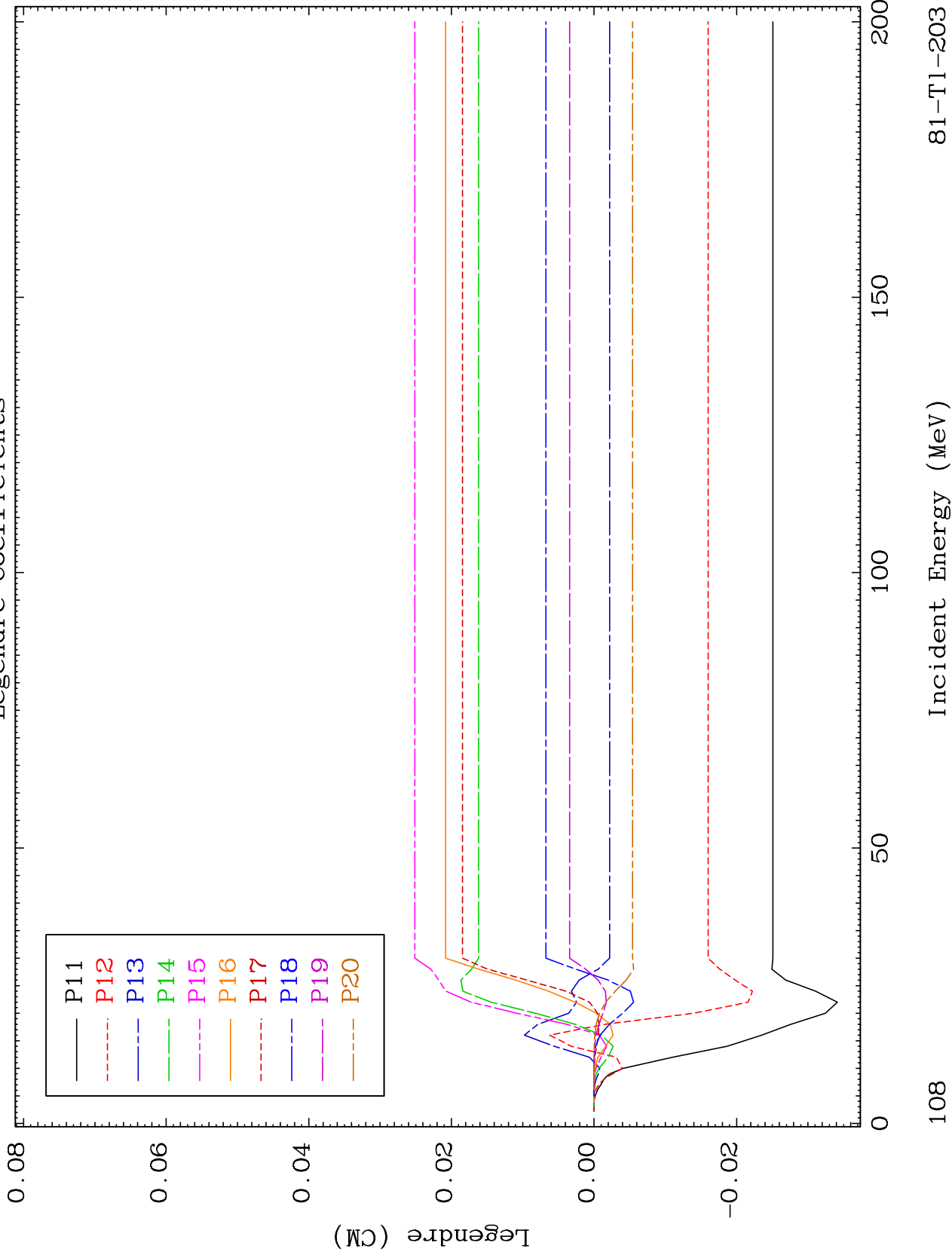
Incident Energy (MeV)

107

MAT 8125

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

81-T1-203



108

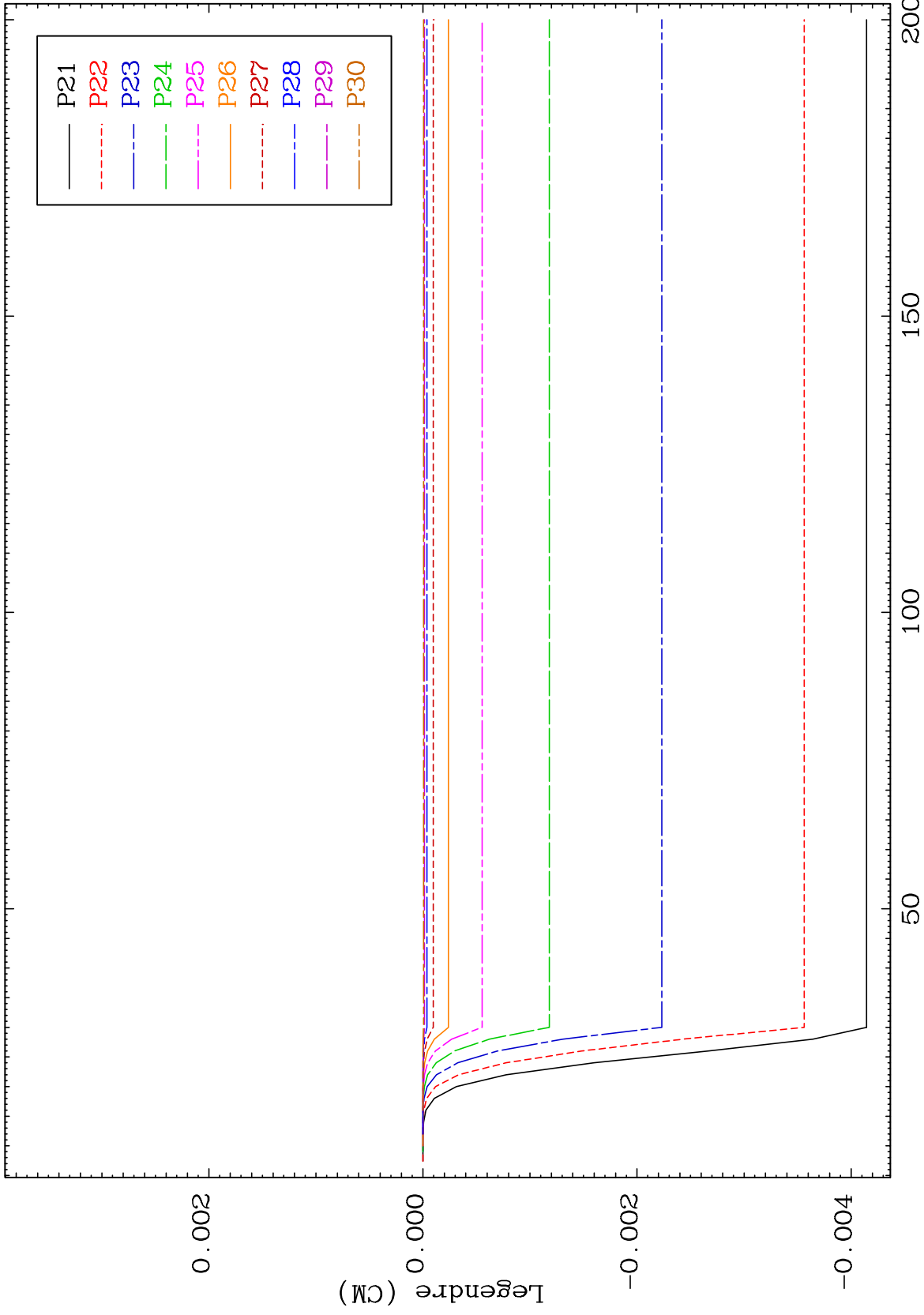
Incident Energy (MeV)

81-T1-203

MAT 8125

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

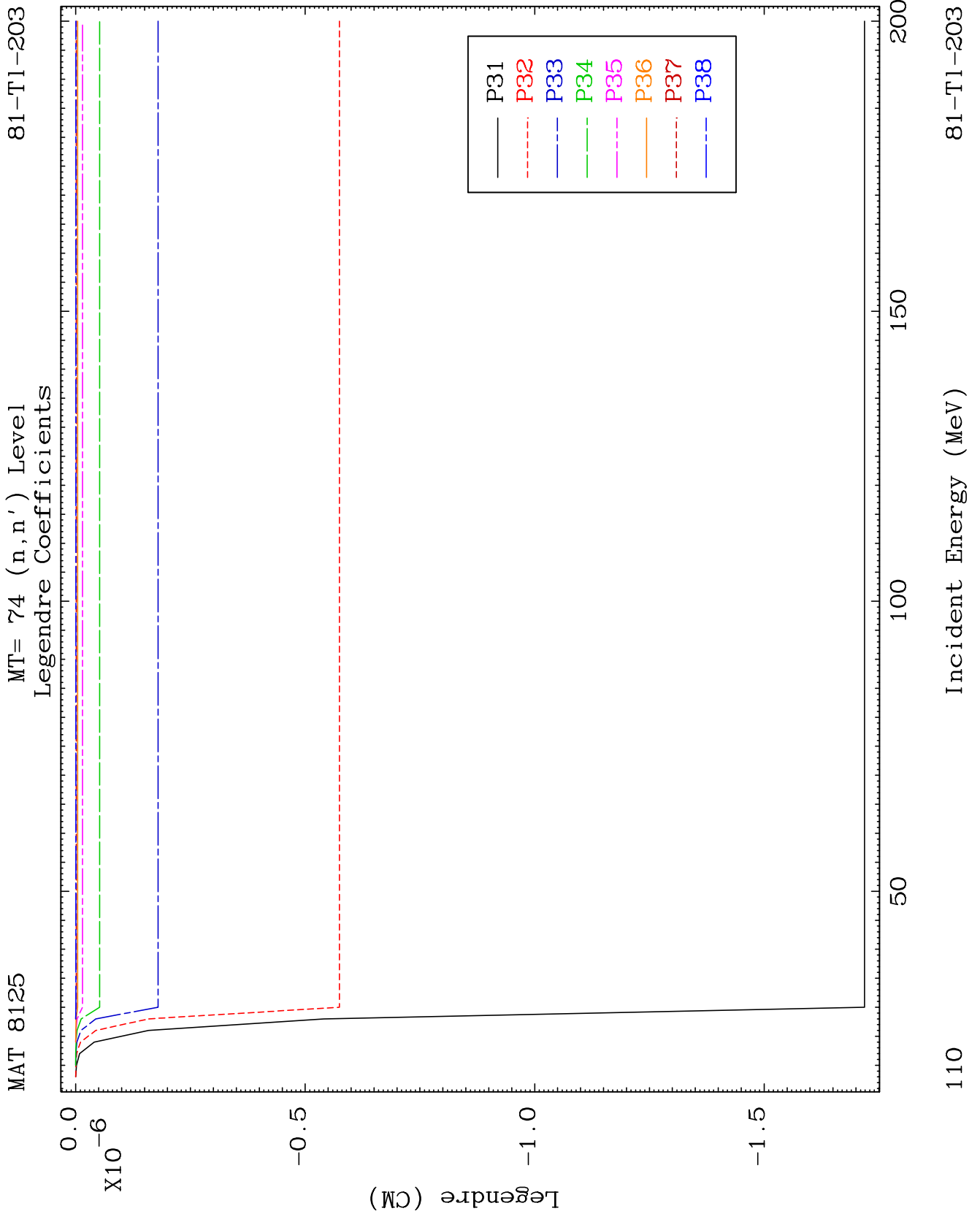
81-T1-203

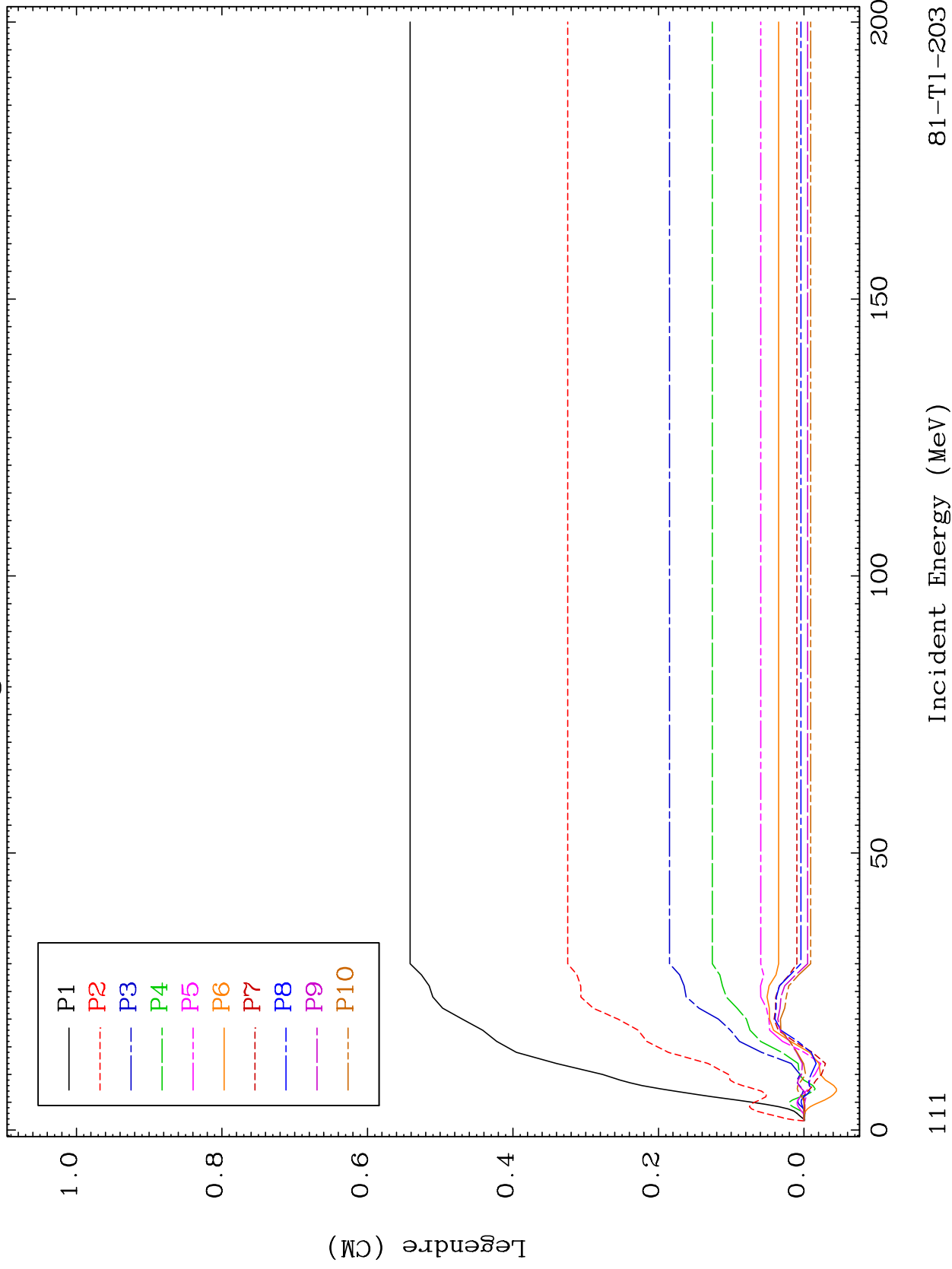


109

Incident Energy (MeV)

81-T1-203

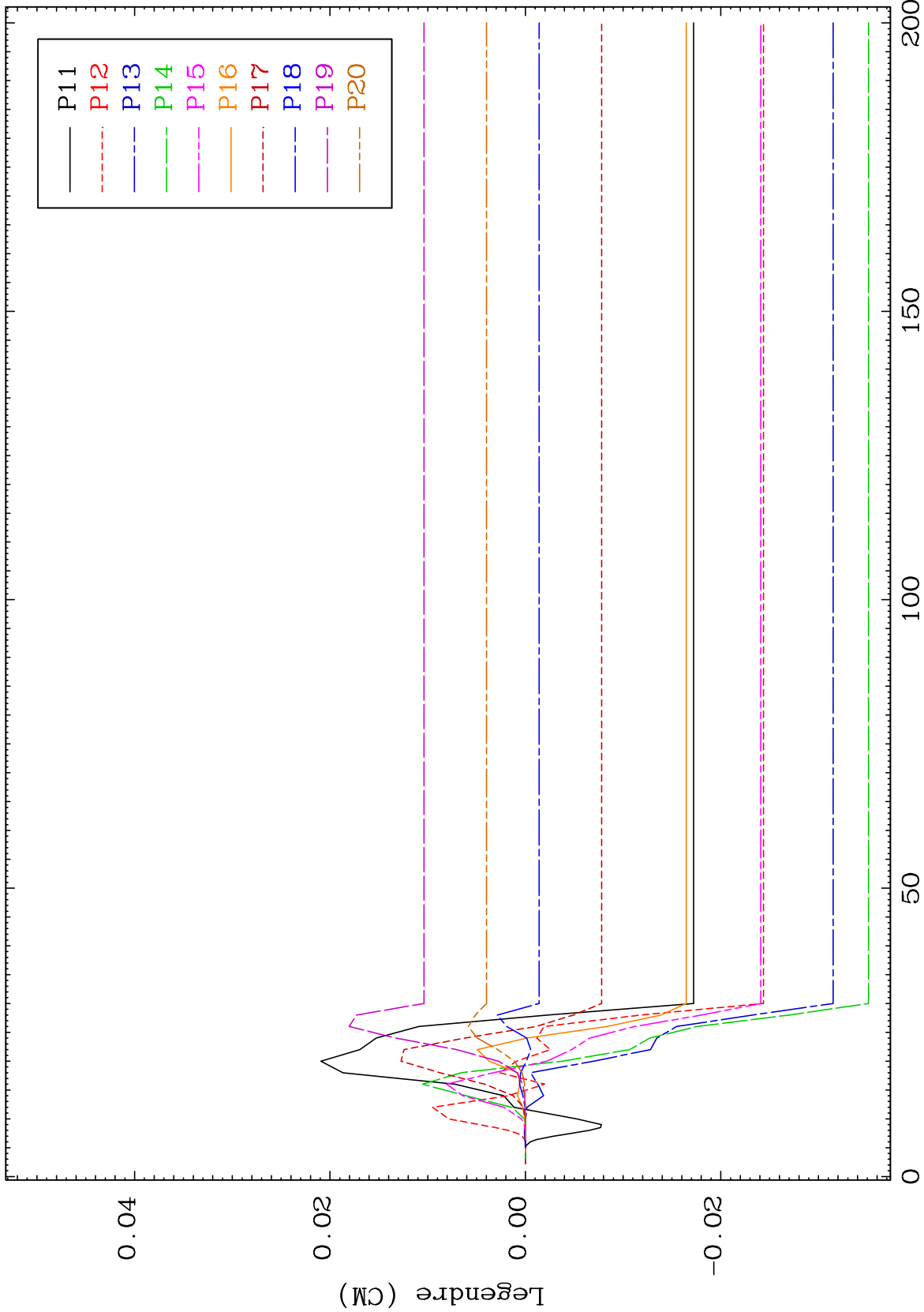




MAT 8125

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

81-T1-203



112

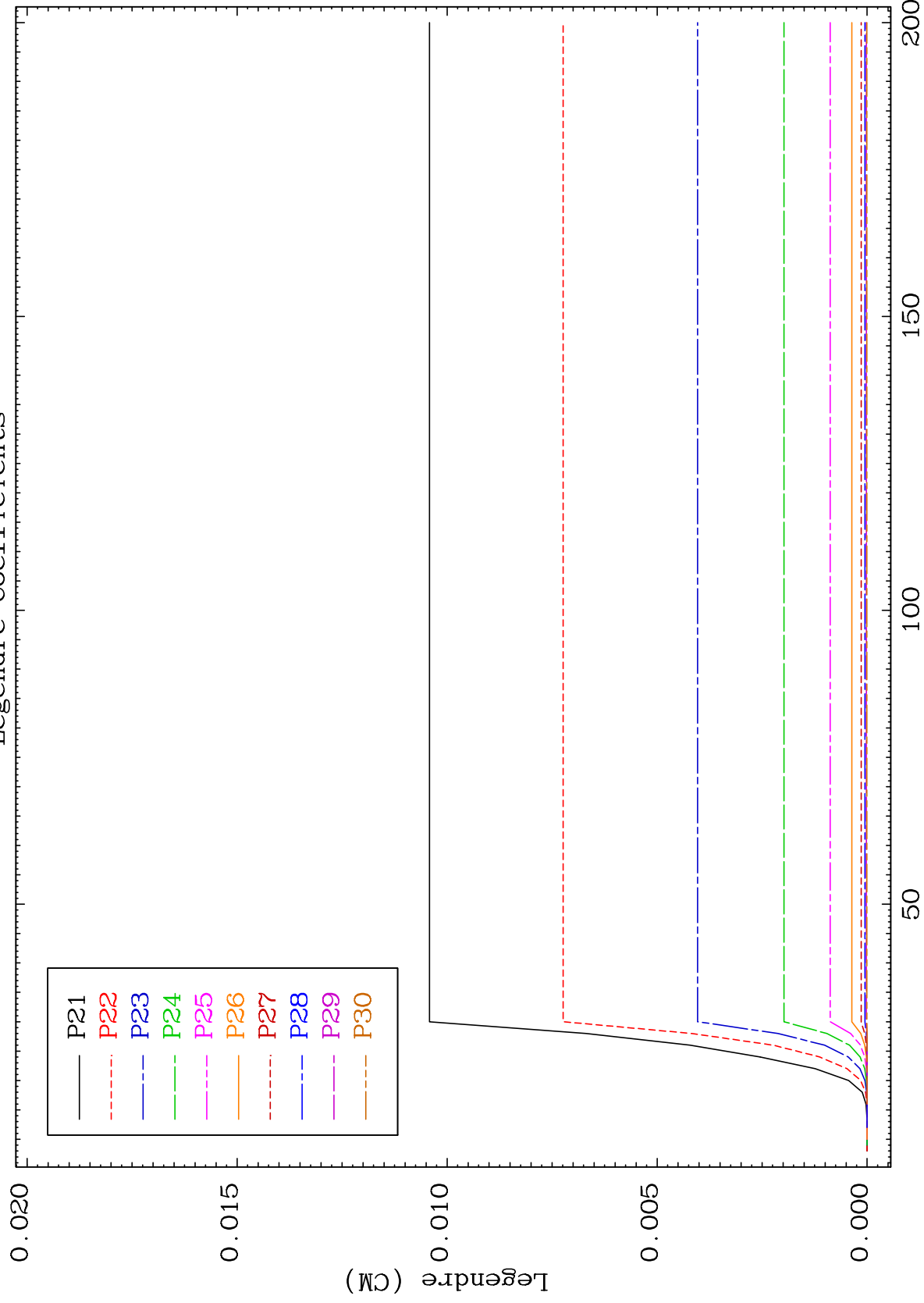
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



113

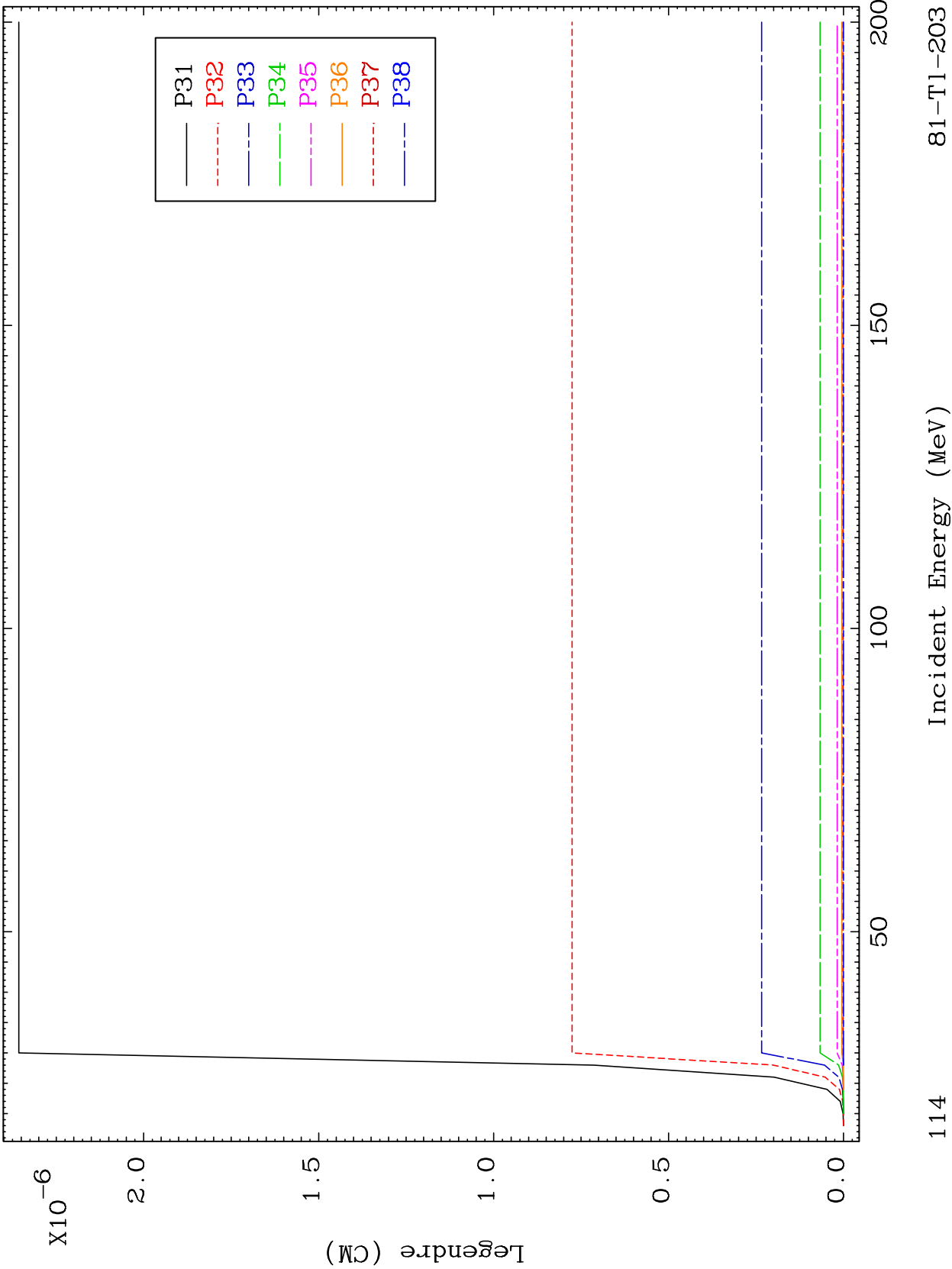
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



114

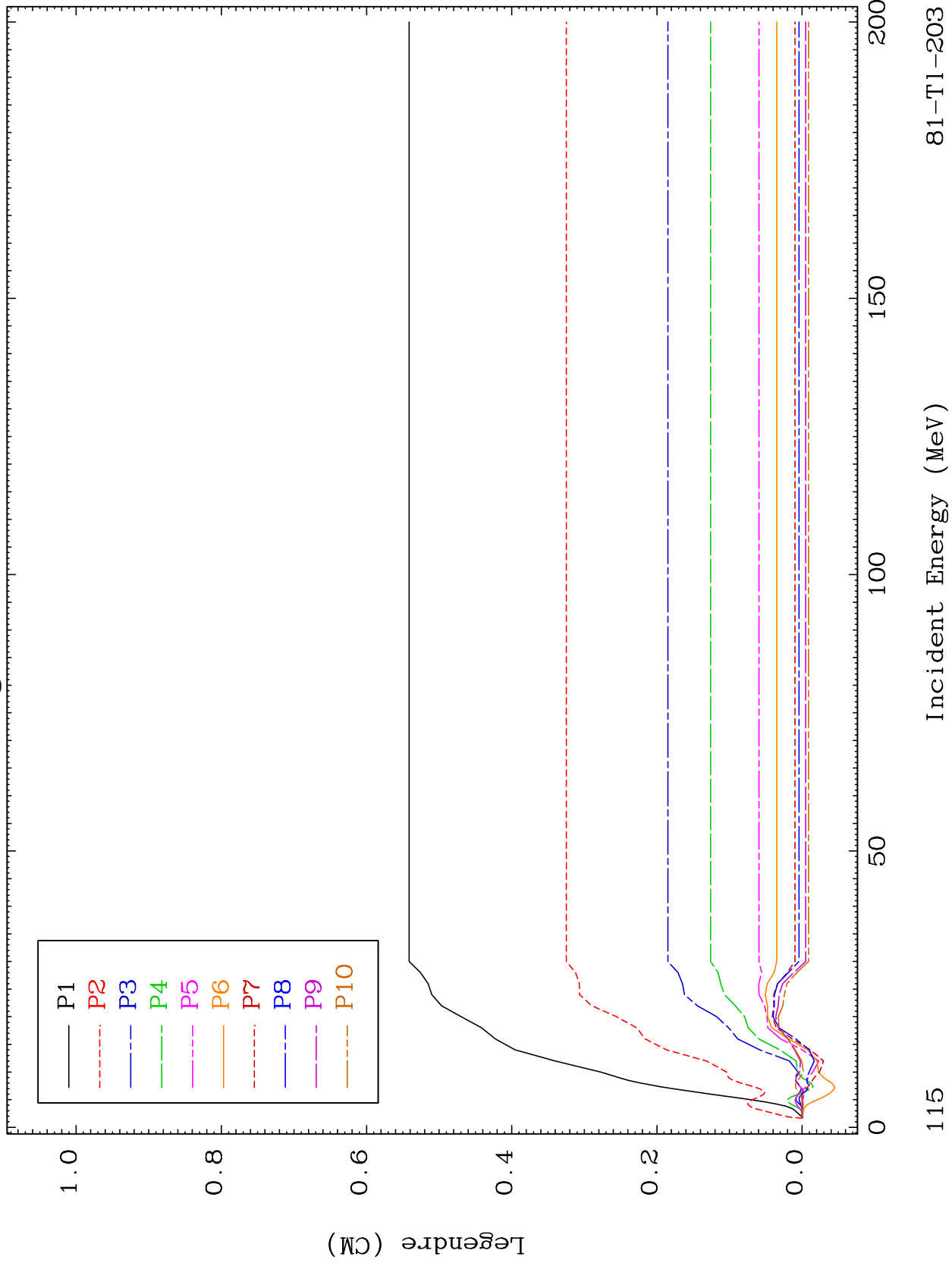
Incident Energy (MeV)

81-T1-203

MAT 8125

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

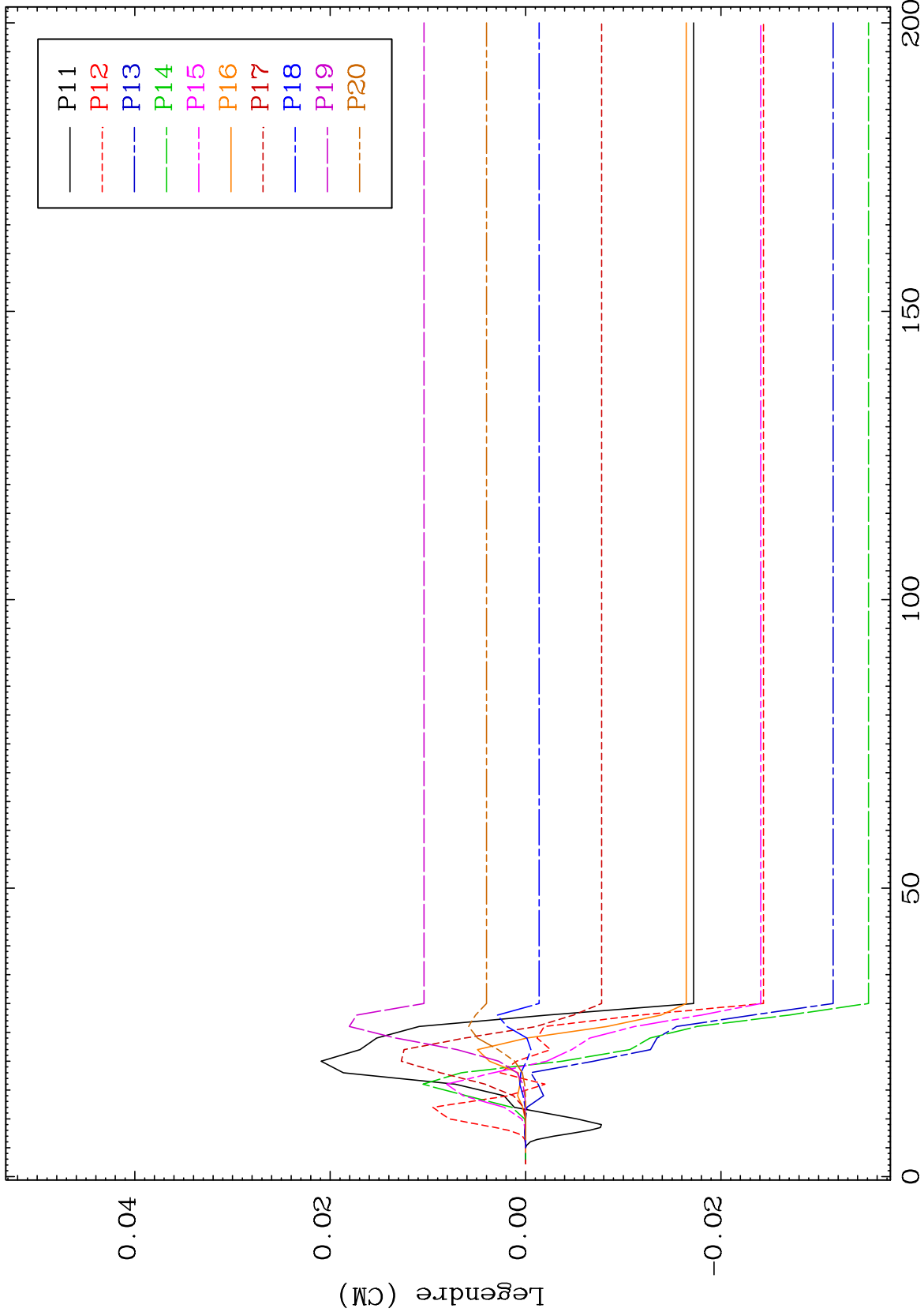
81-T1-203



MAT 8125

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

81-T1-203



116

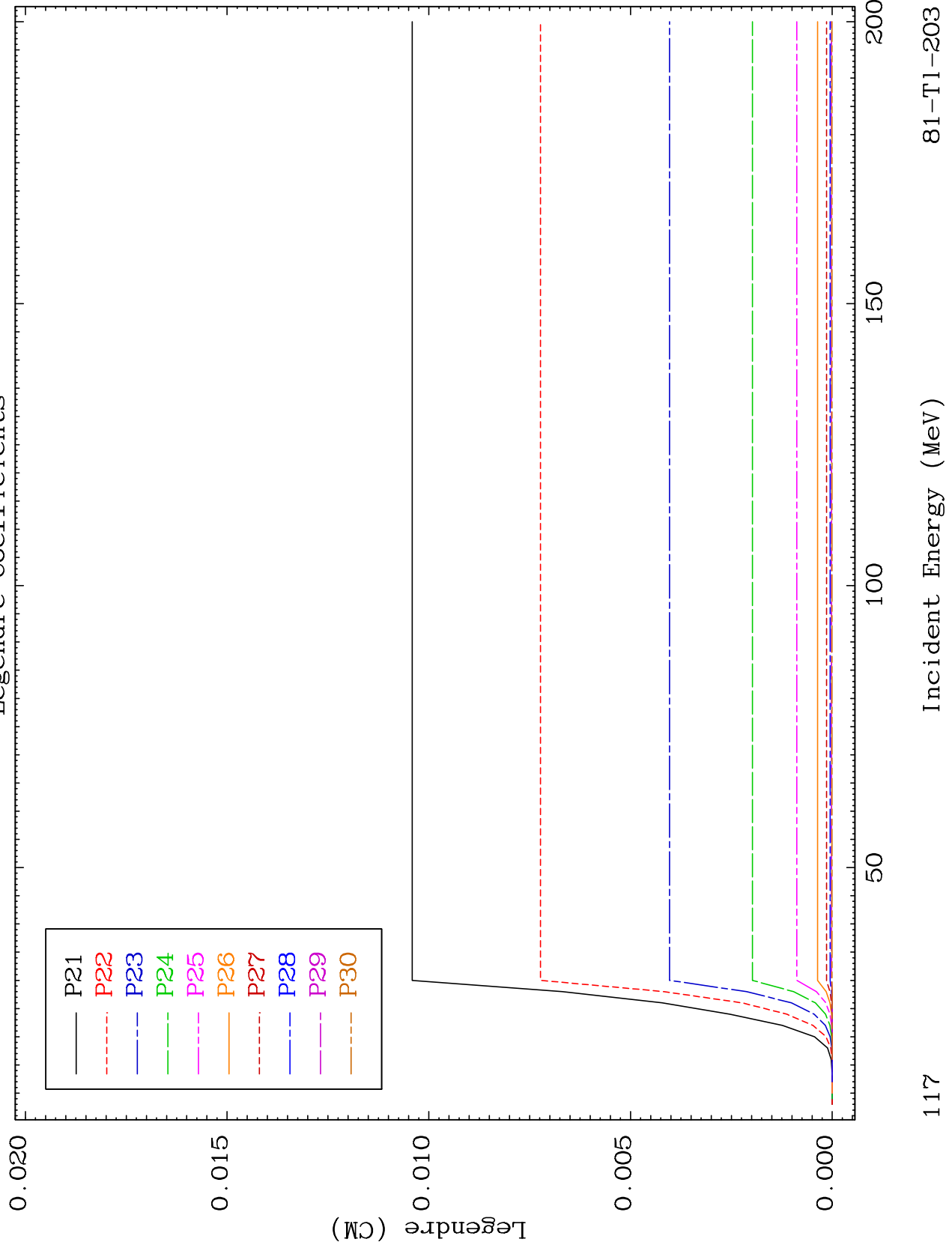
Incident Energy (MeV)

81-T1-203

MAT 8125

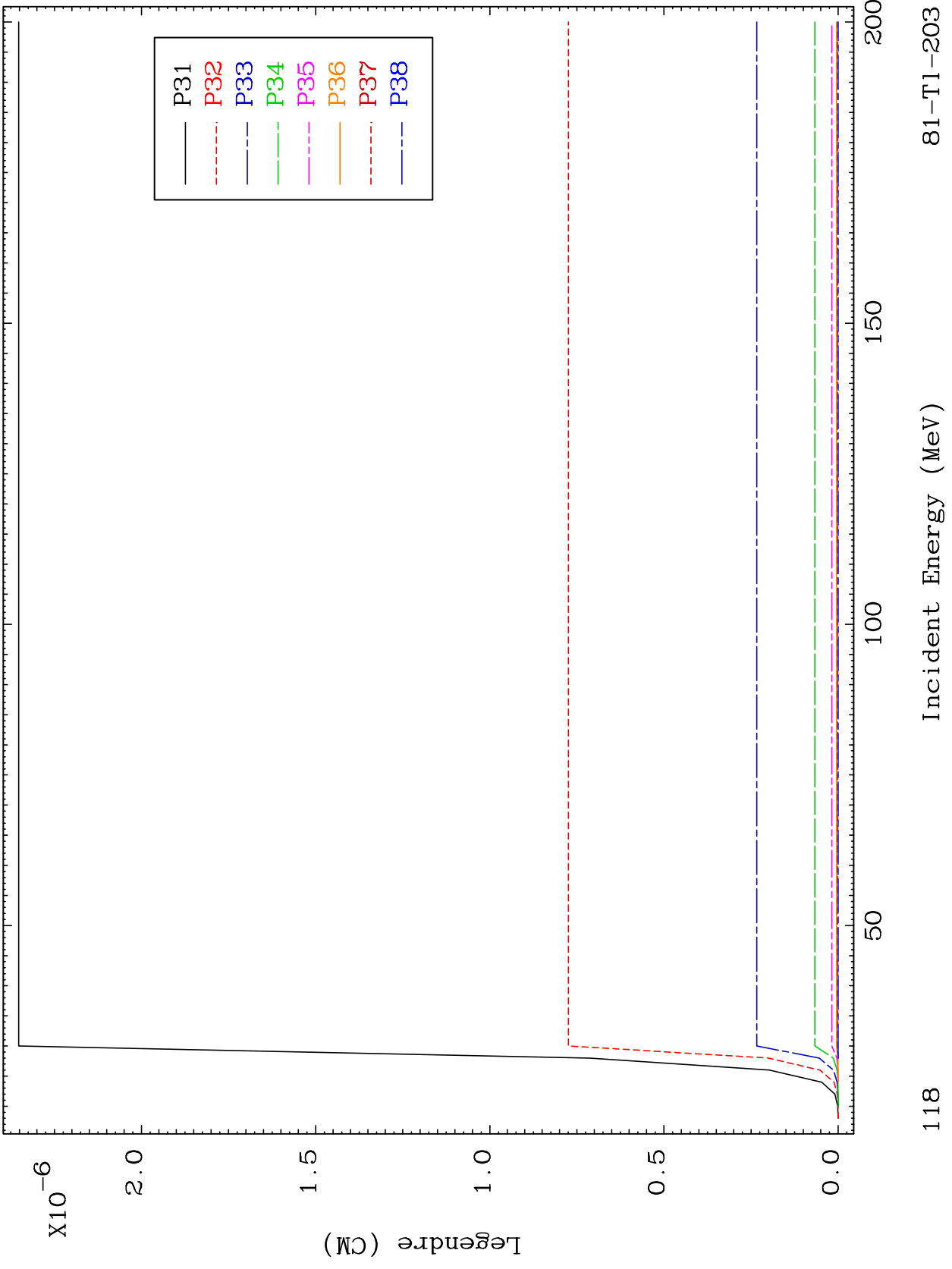
MT= 76 (n,n') Level
Legendre Coefficients

81-T1-203



117

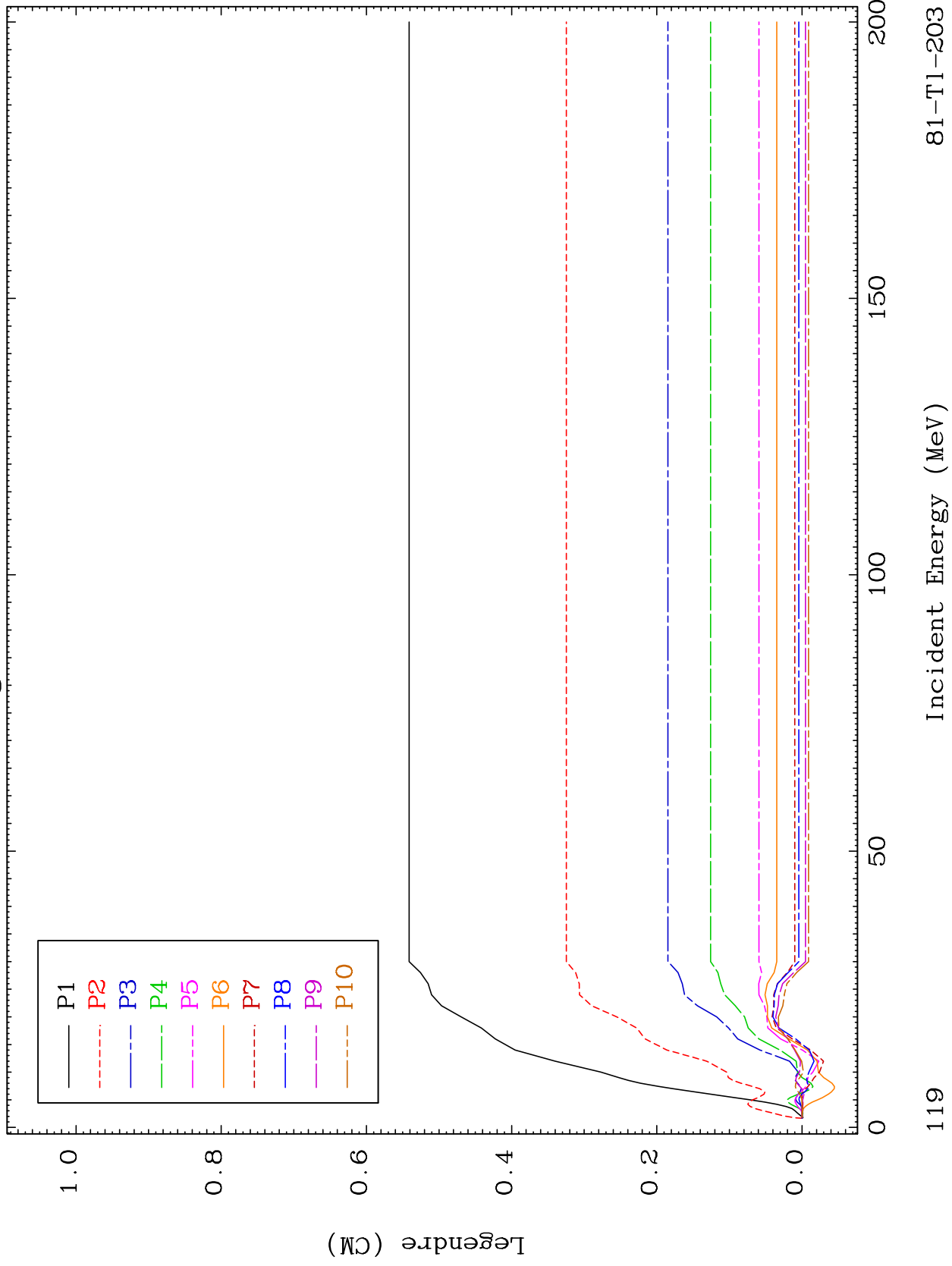
81-T1-203



MAT 8125

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

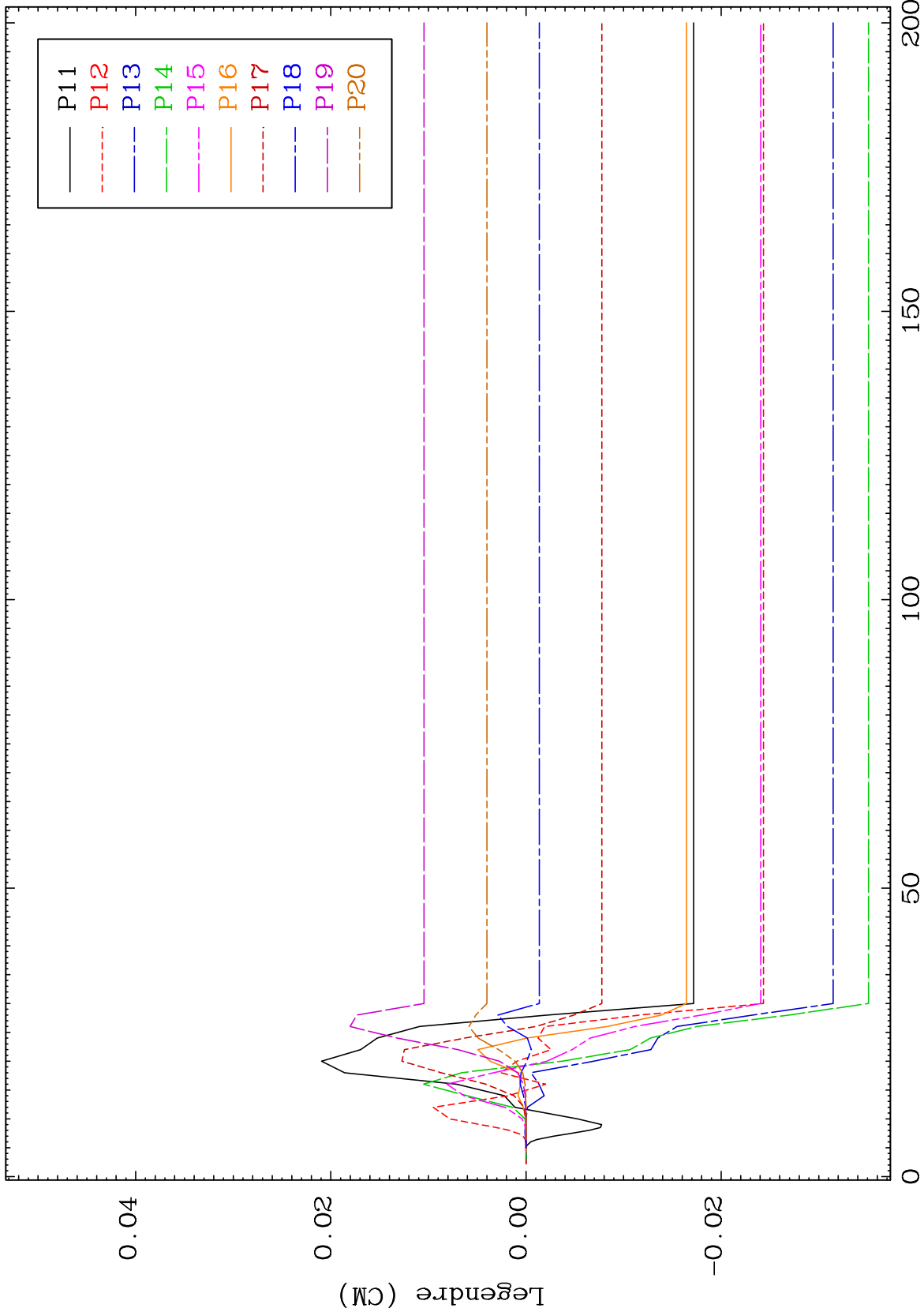
81-T1-203



MAT 8125

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

81-T1-203



81-T1-203

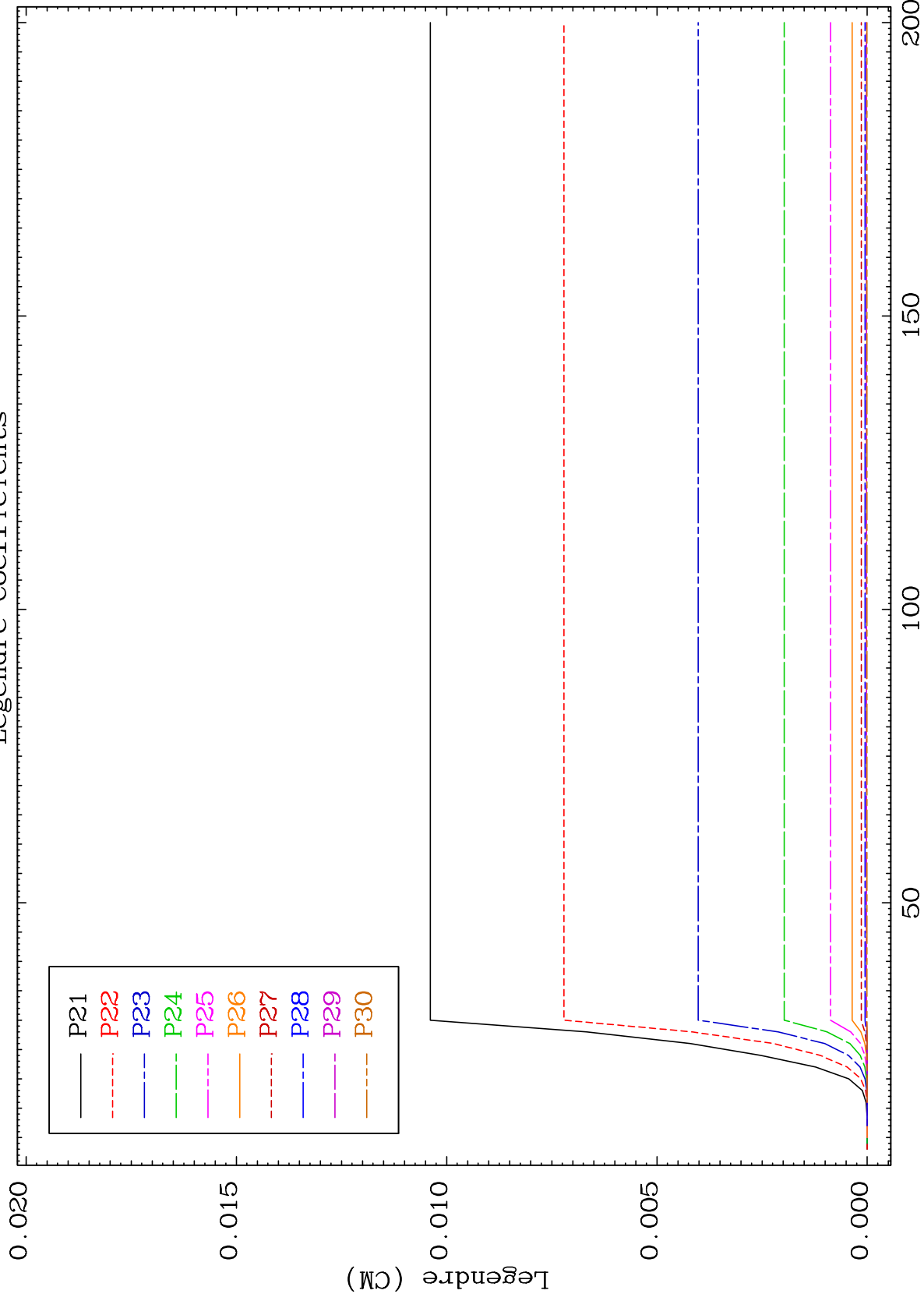
Incident Energy (MeV)

120

MAT 8125

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

81-T1-203



121

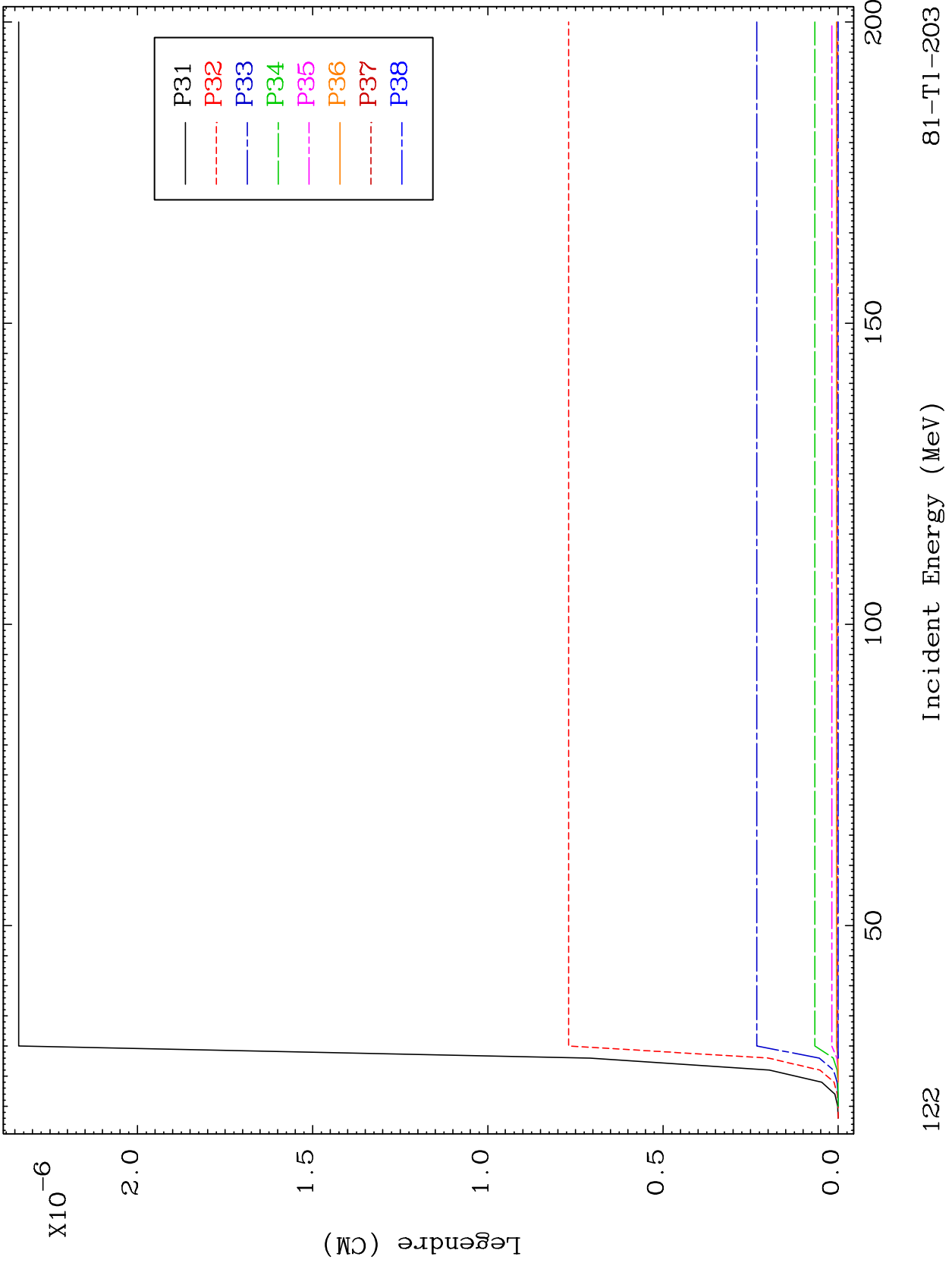
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



122

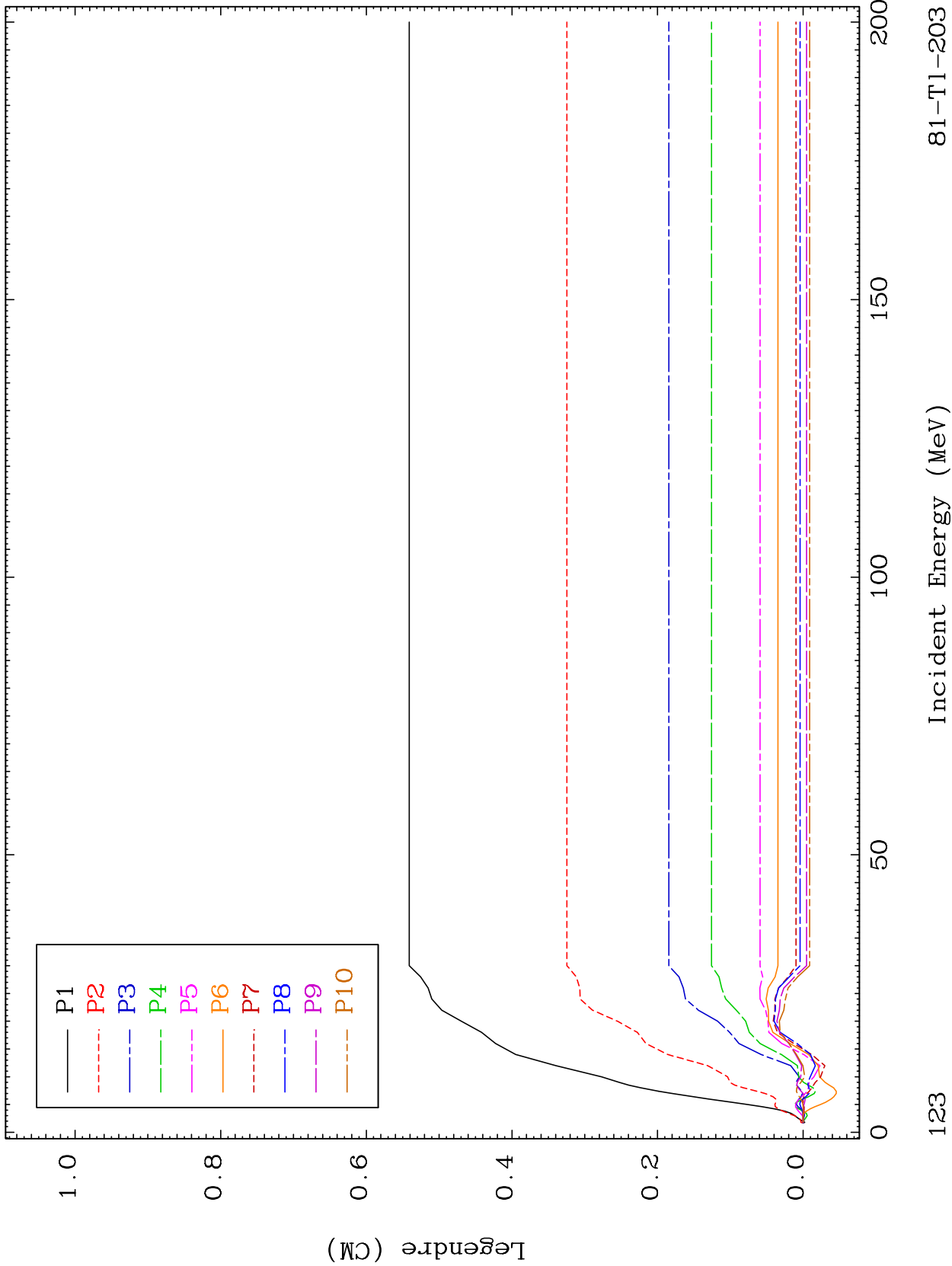
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



123

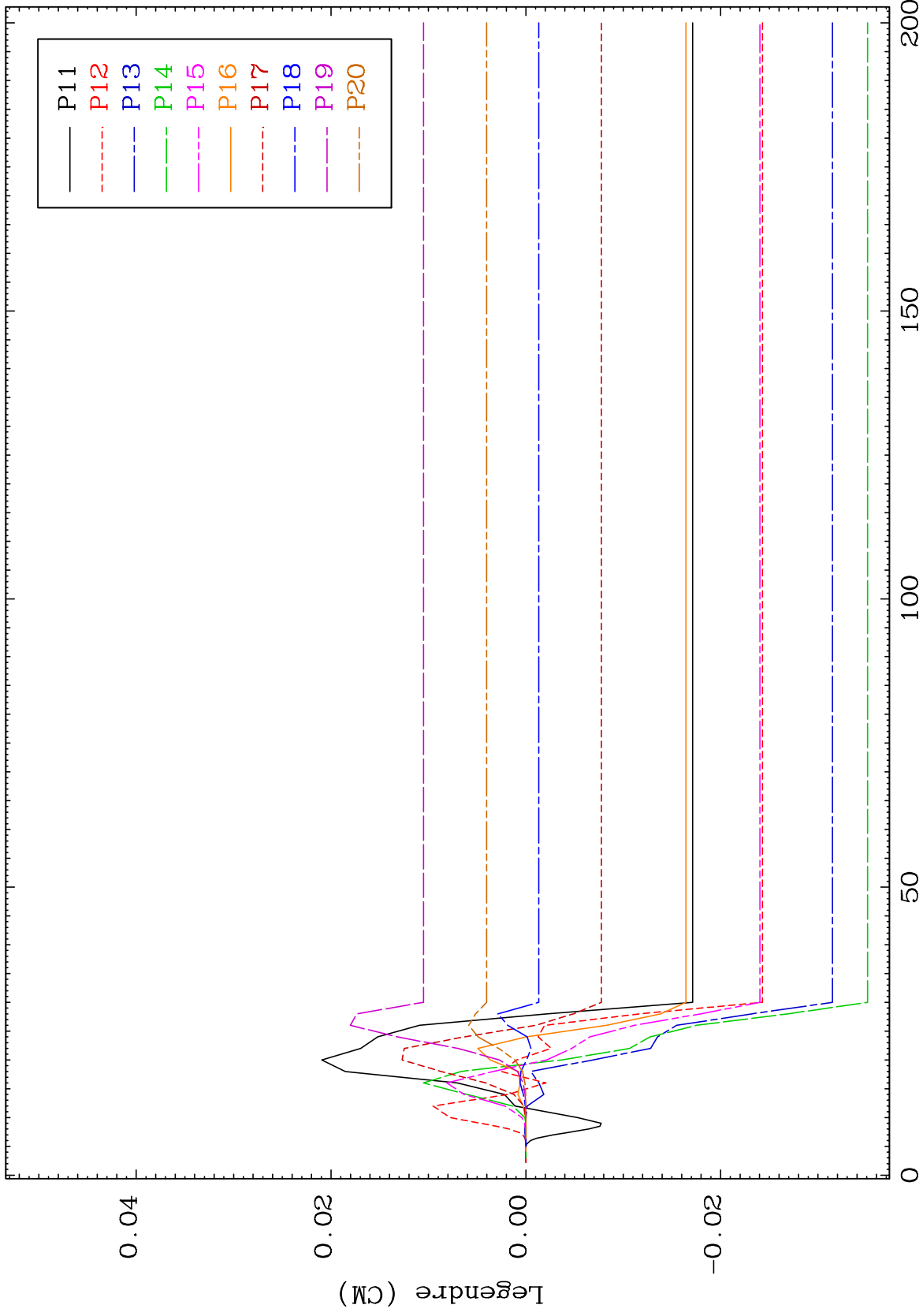
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



124

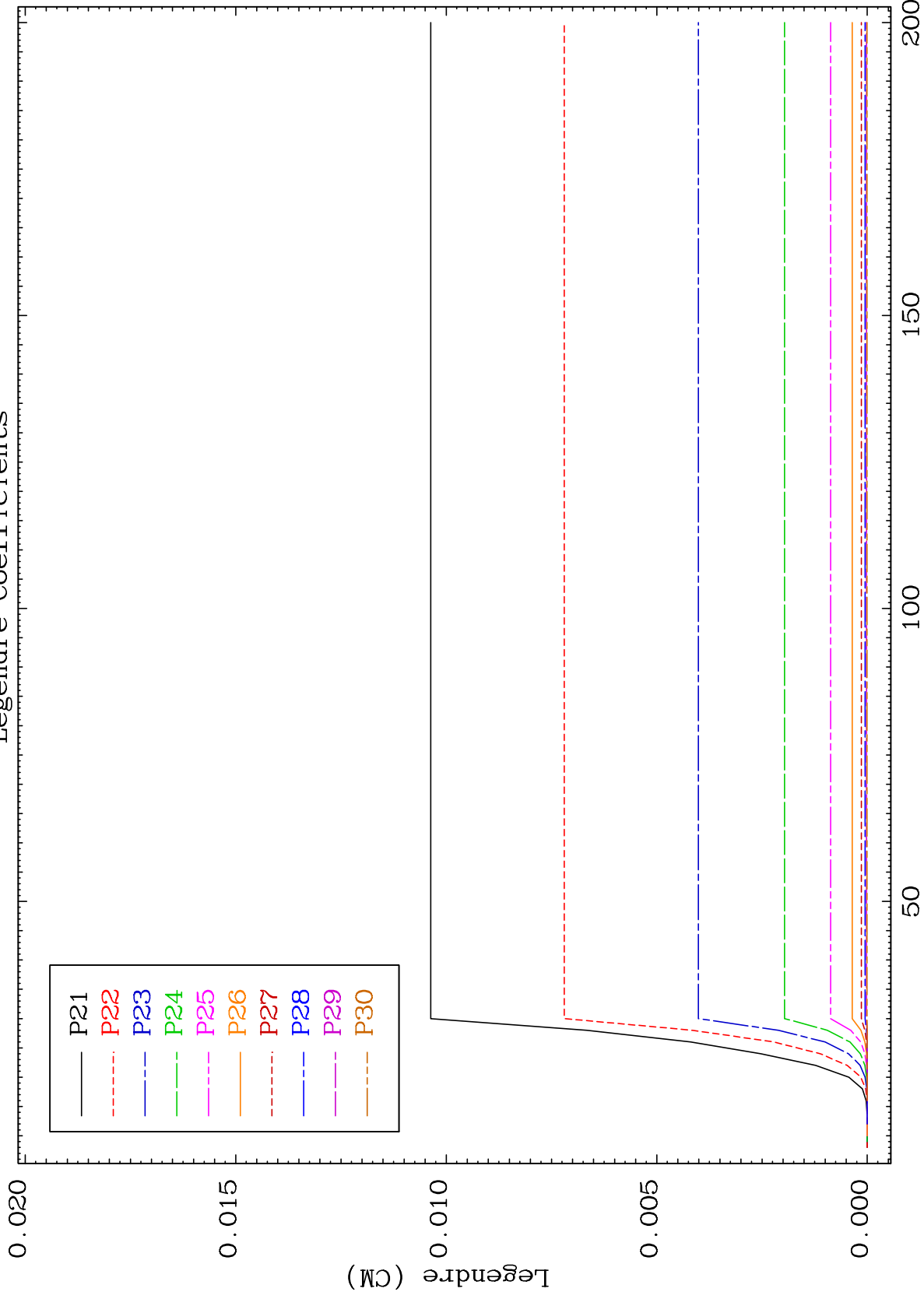
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



125

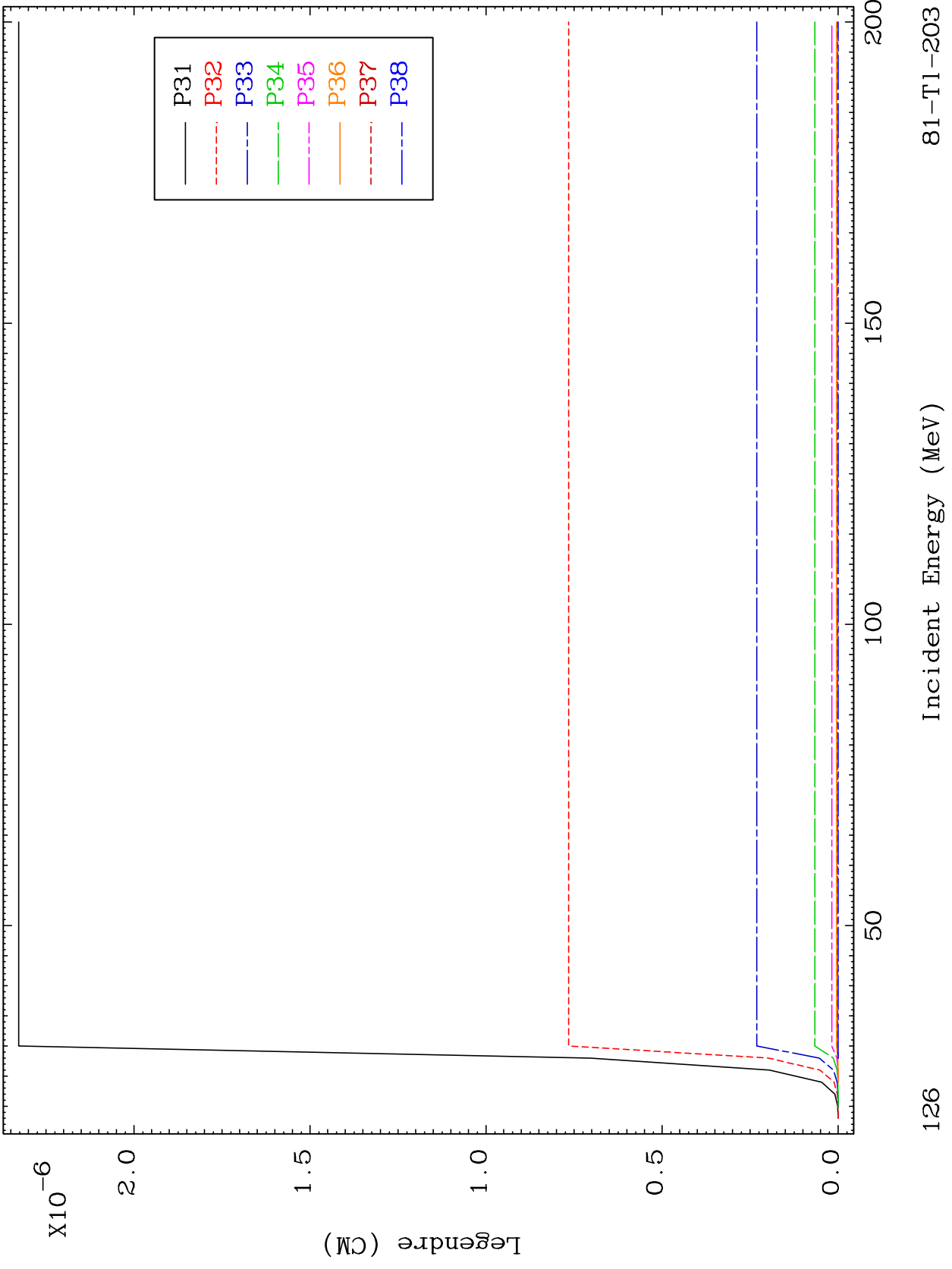
Incident Energy (MeV)

81-T1-203

MAT 8125

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

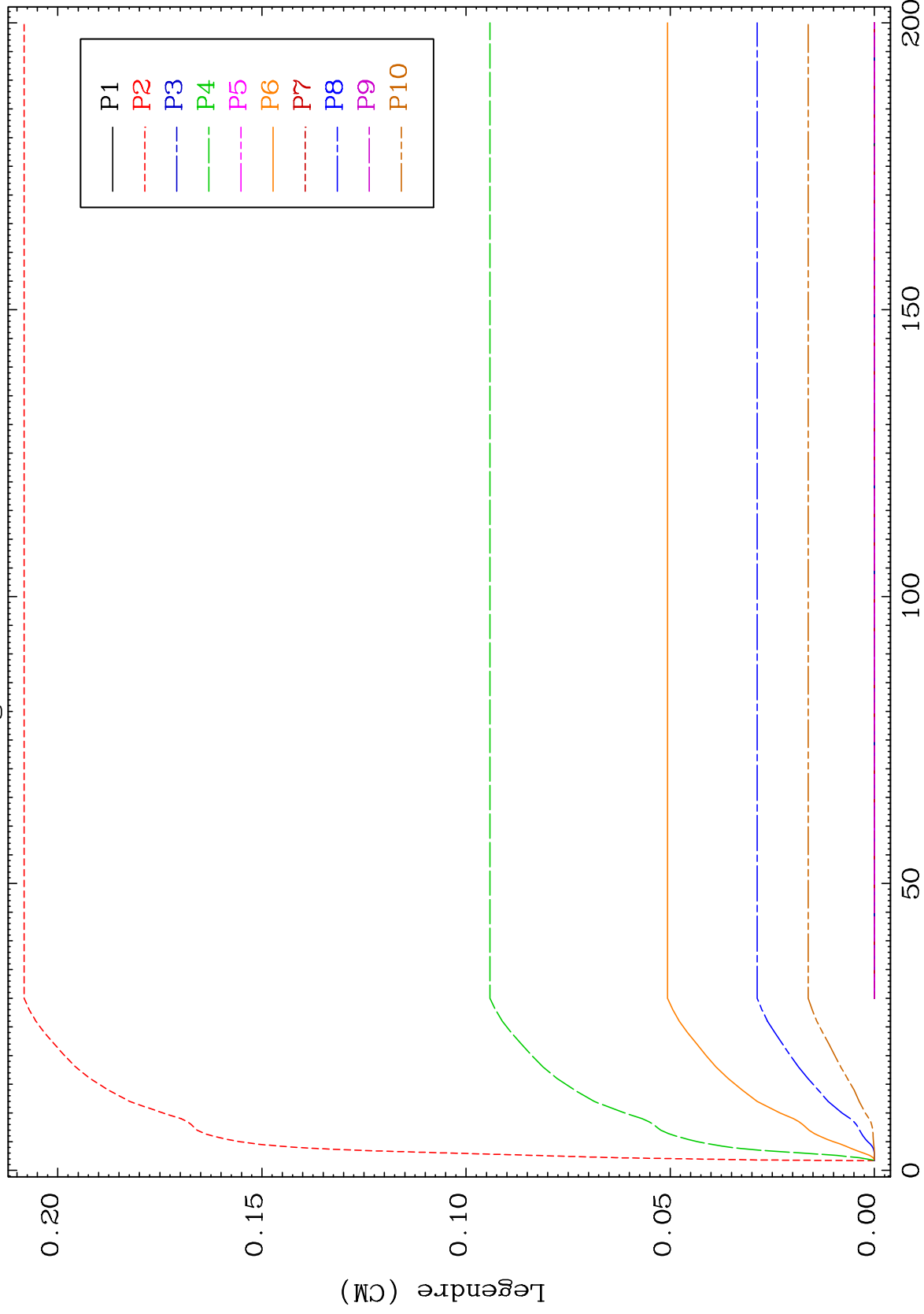
81-T1-203



MAT 8125

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

81-T1-203



127

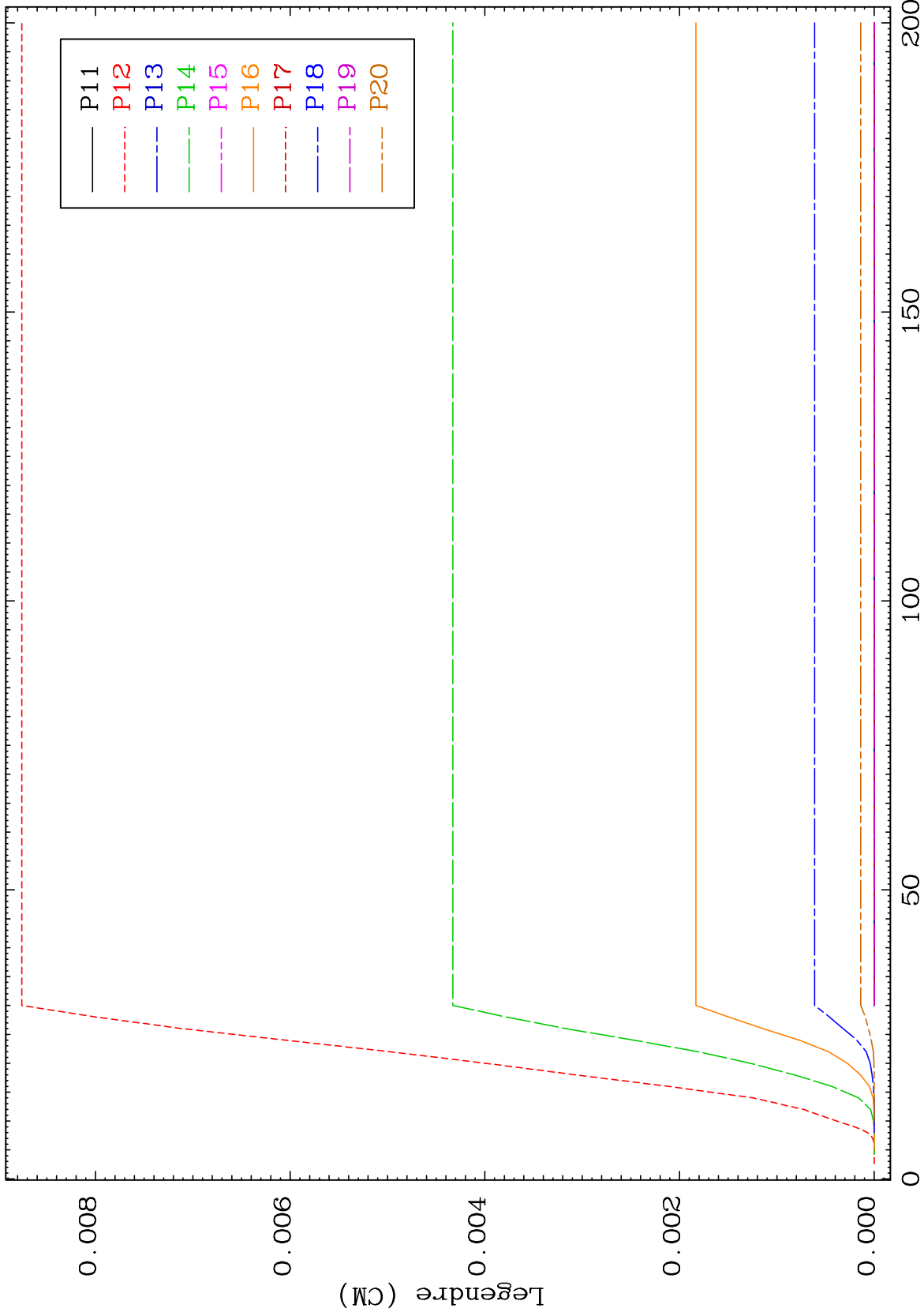
Incident Energy (MeV)

81-T1-203

MAT 8125

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

81-T1-203



81-T1-203

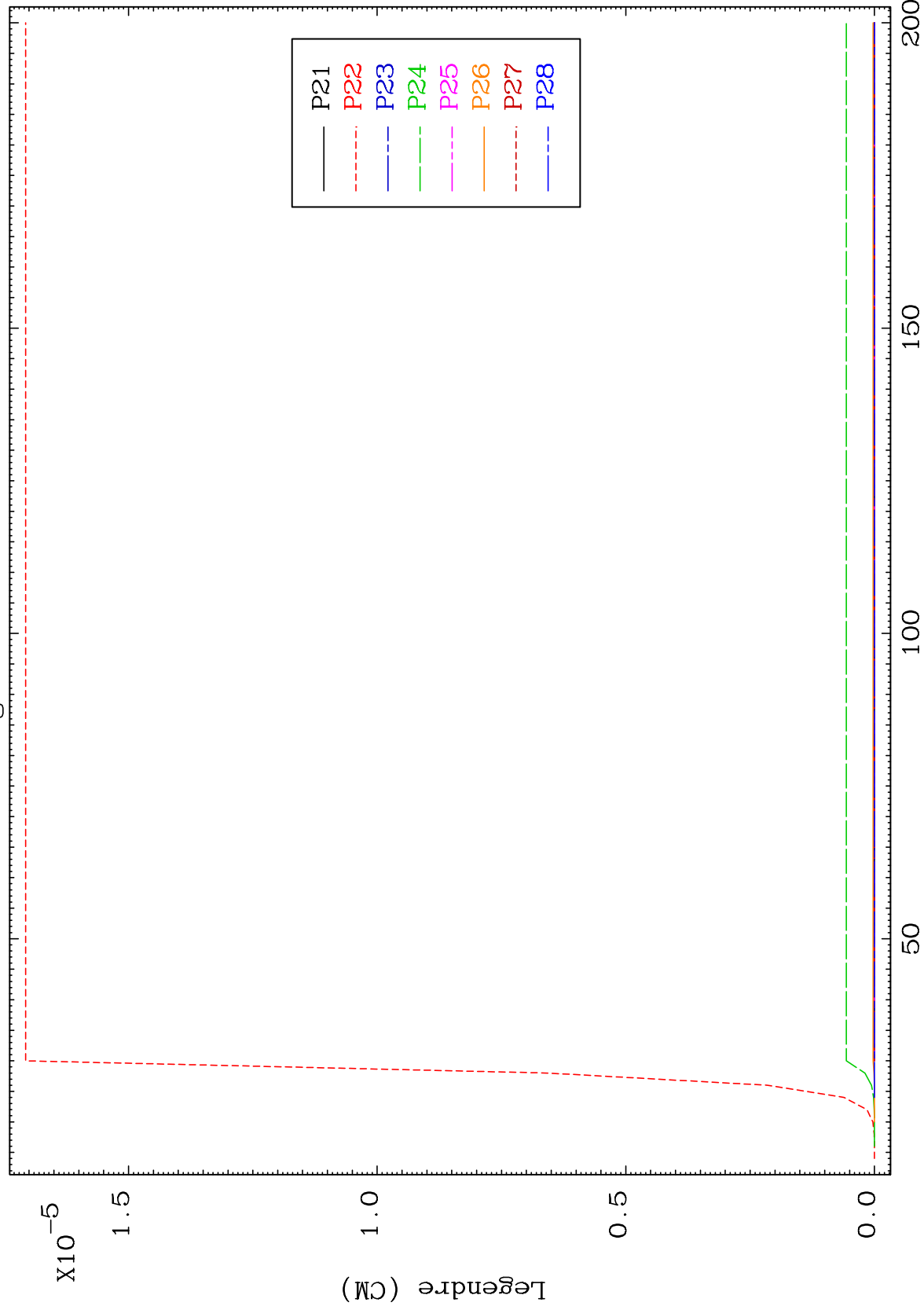
Incident Energy (MeV)

128

MAT 8125

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

81-T1-203



129

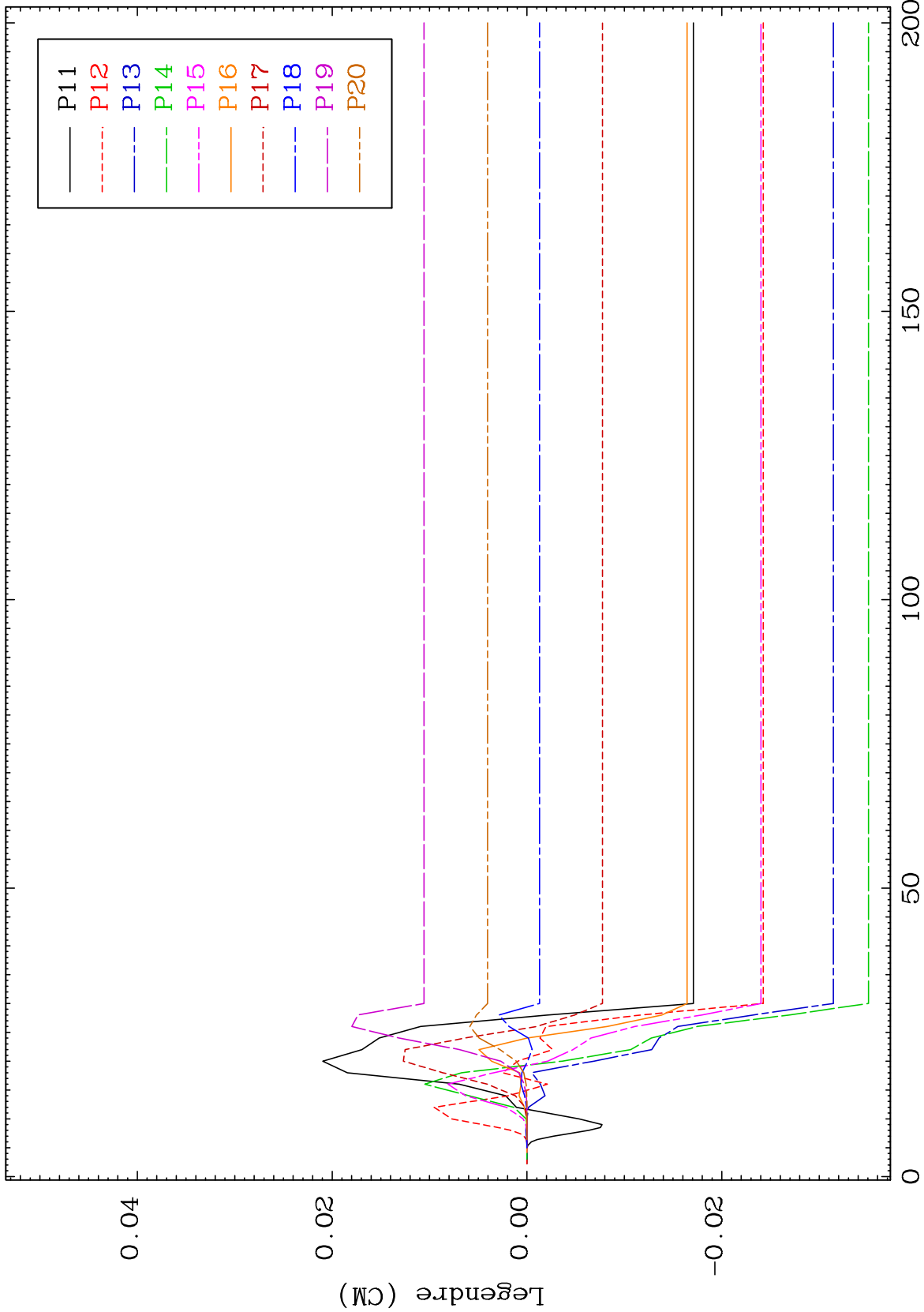
Incident Energy (MeV)

81-T1-203

MAT 8125

MT= 80 (n,n') Level
Legendre Coefficients

81-T1-203



131

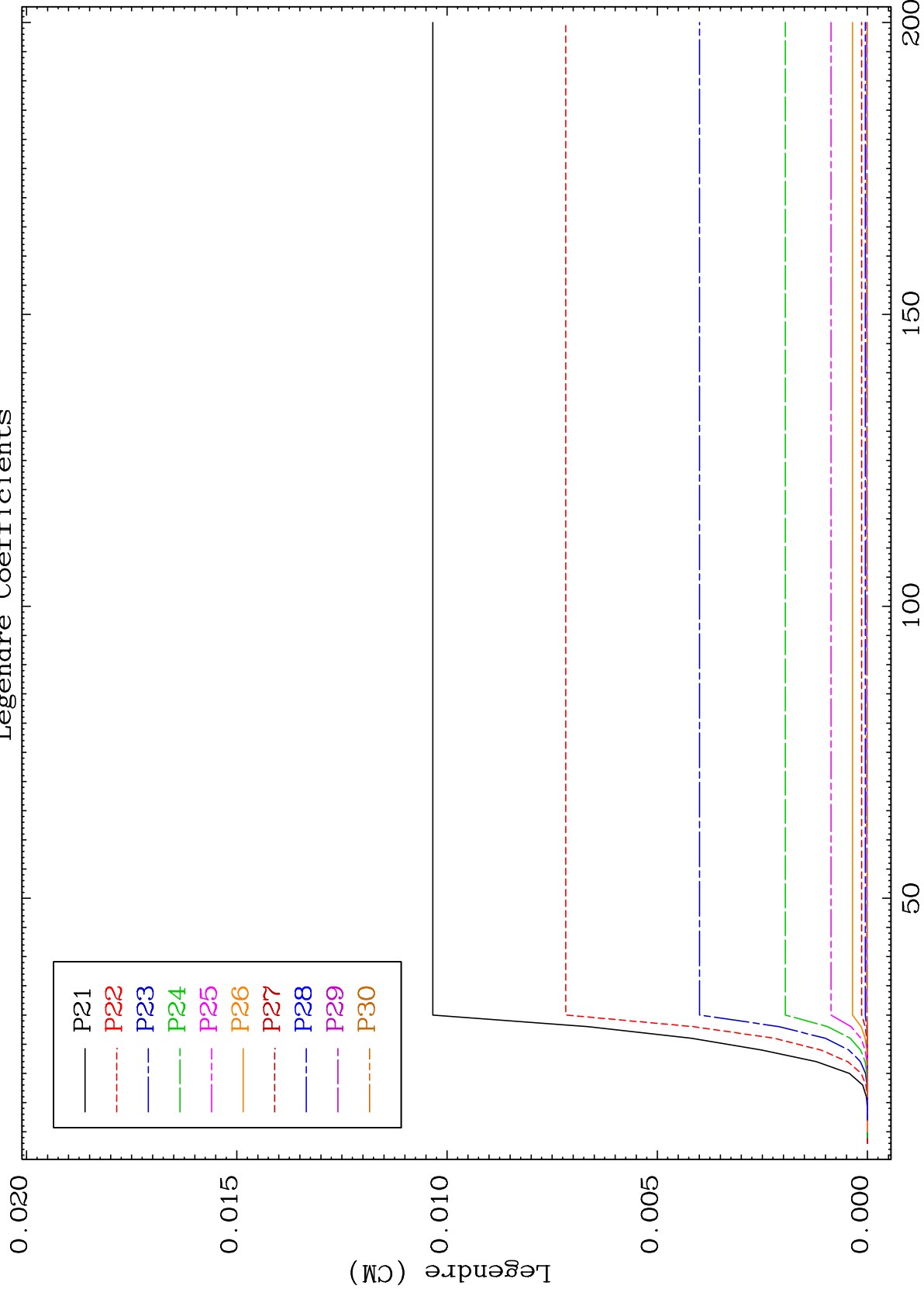
Incident Energy (MeV)

81-T1-203

MAT 8125

MT= 80 (n,n') Level
Legendre Coefficients

81-T1-203



132

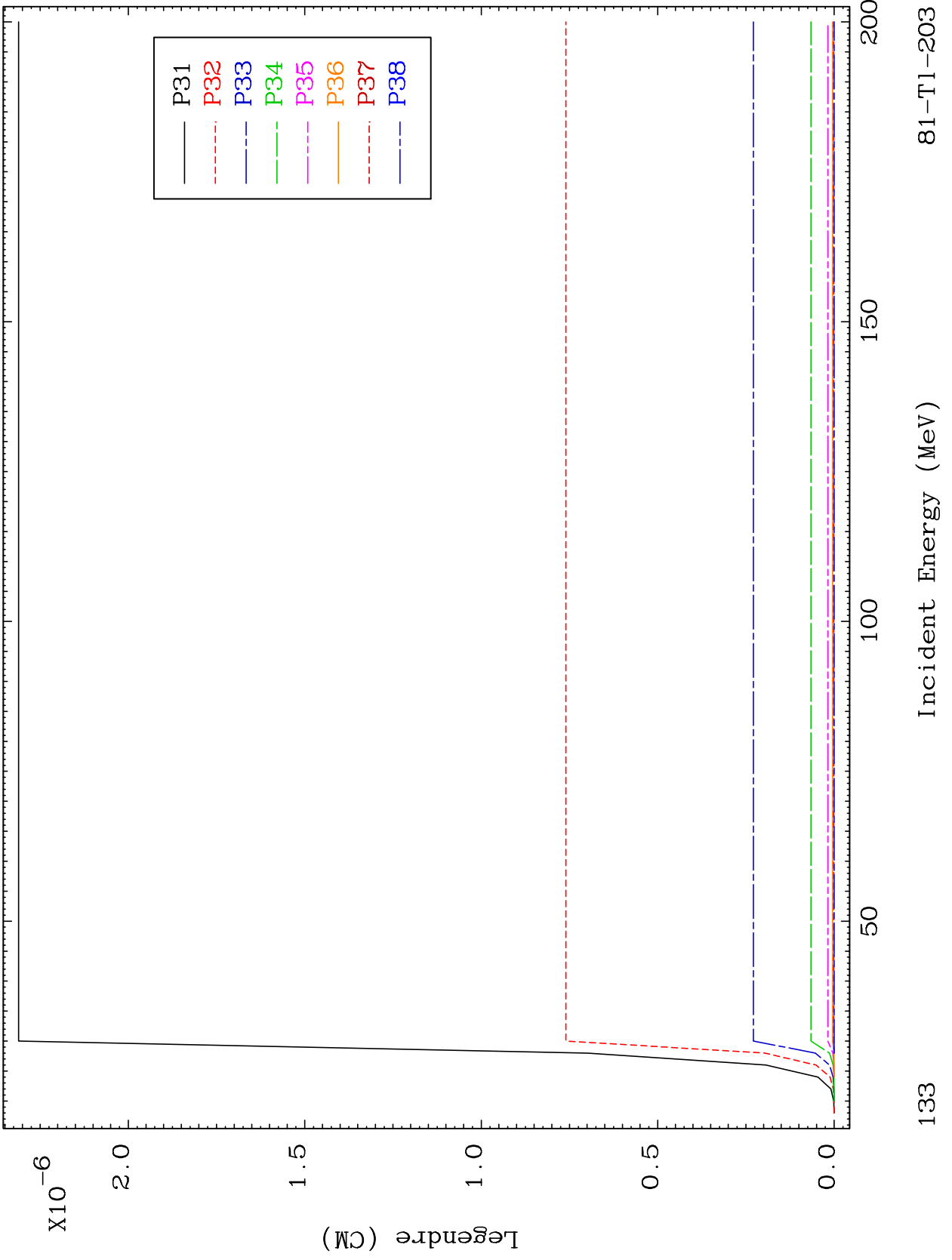
Incident Energy (MeV)

81-T1-203

MAT 8125

MT= 80 (n,n') Level
Legendre Coefficients

81-T1-203



133

Incident Energy (MeV)

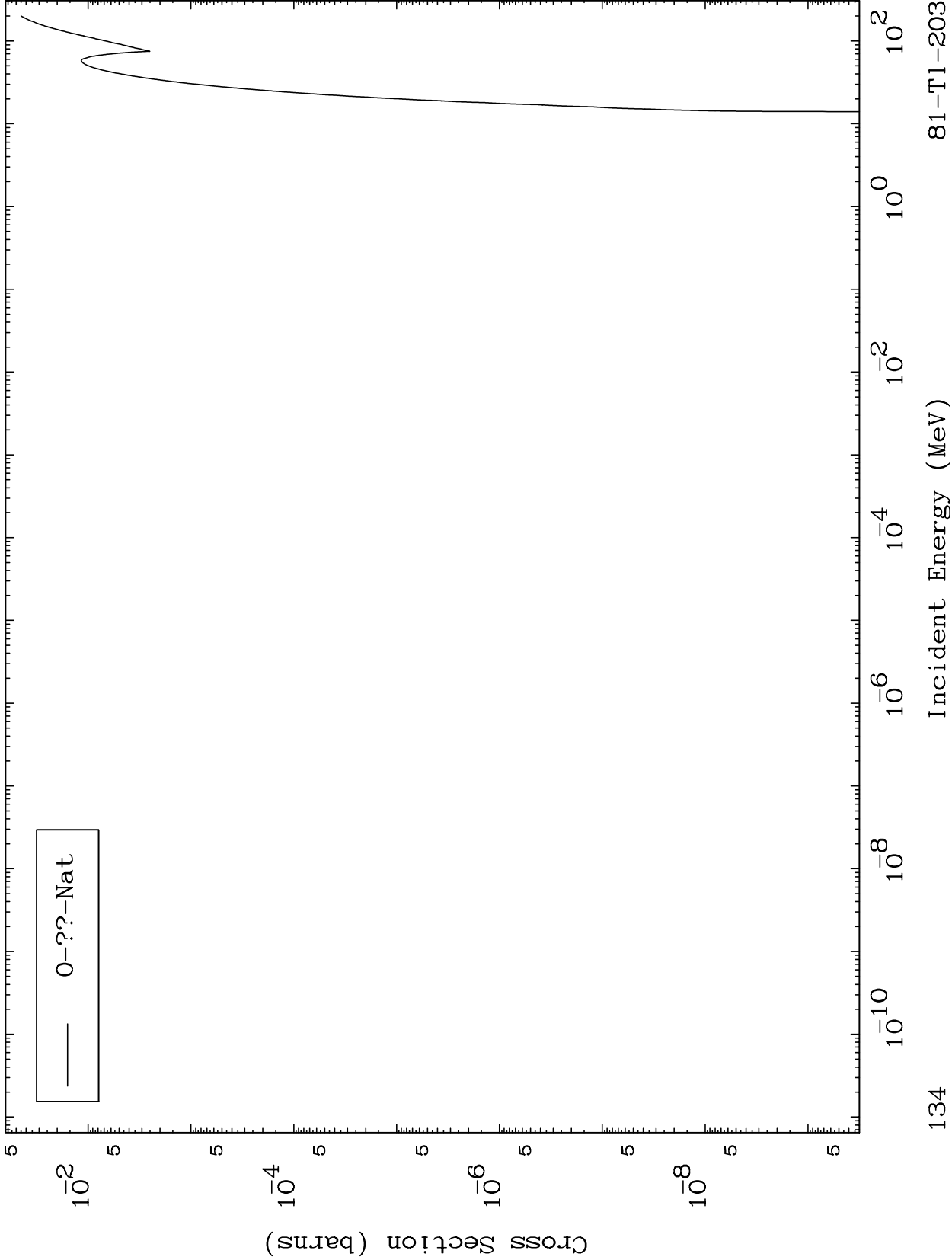
81-T1-203

MAT 8125

Fission

81-Tl-203

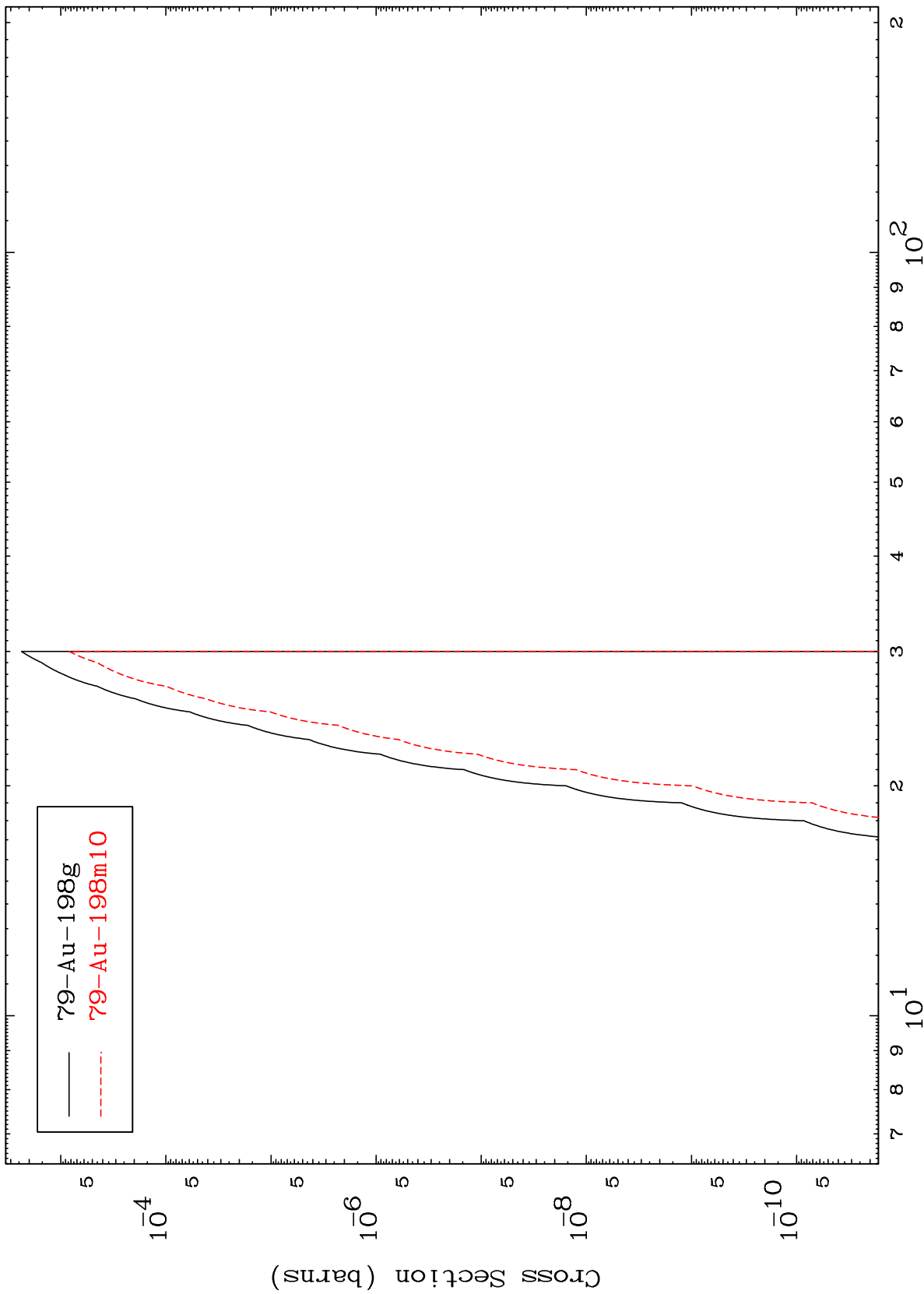
Radionuclide Production Cross Section



MAT 8125

81-T1-203

(n,2n) α
Radionuclide Production Cross Section



135

Incident Energy (MeV)

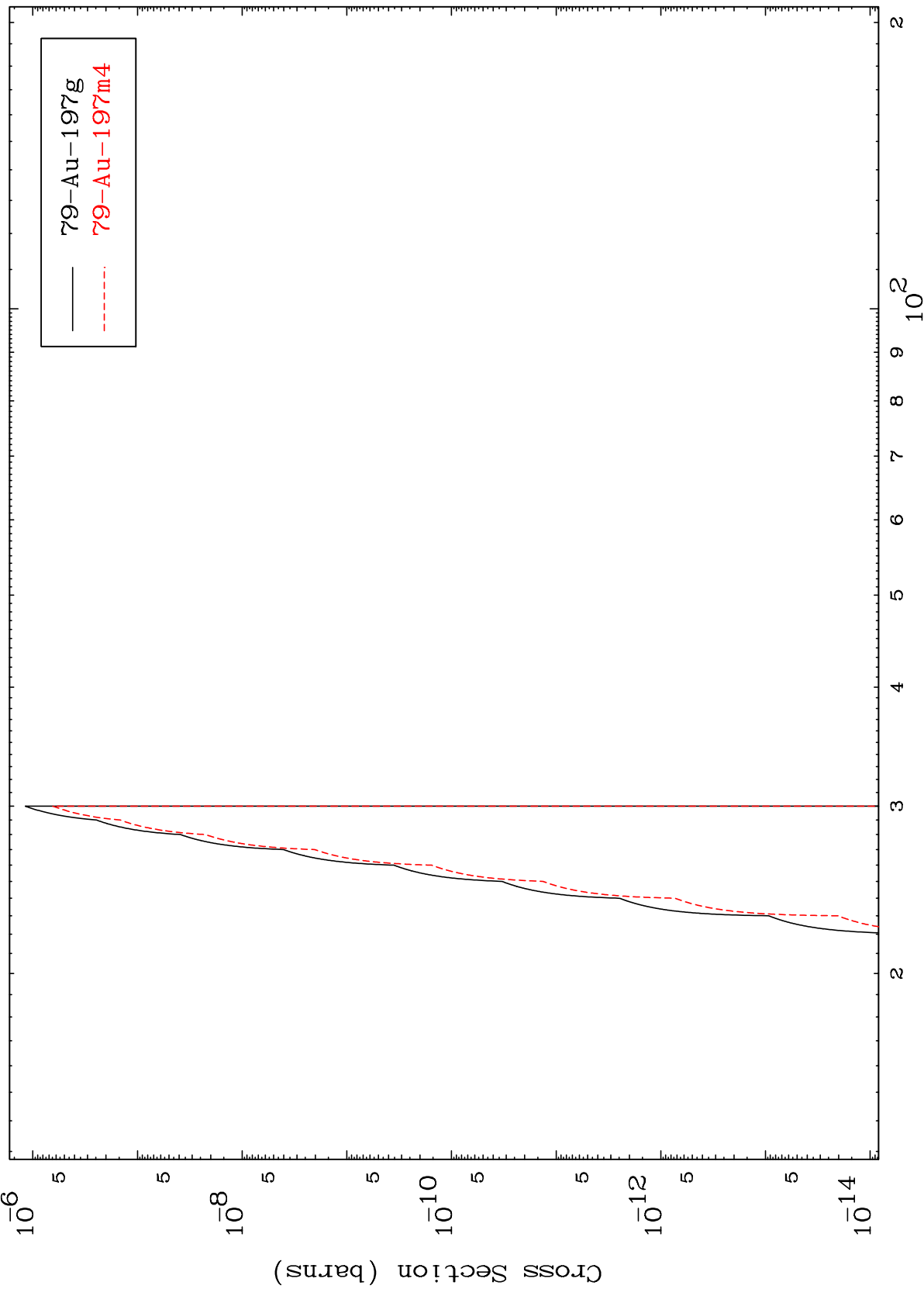
81-T1-203

MAT 8125

(n,3n) α

81-Tl-203

Radionuclide Production Cross Section

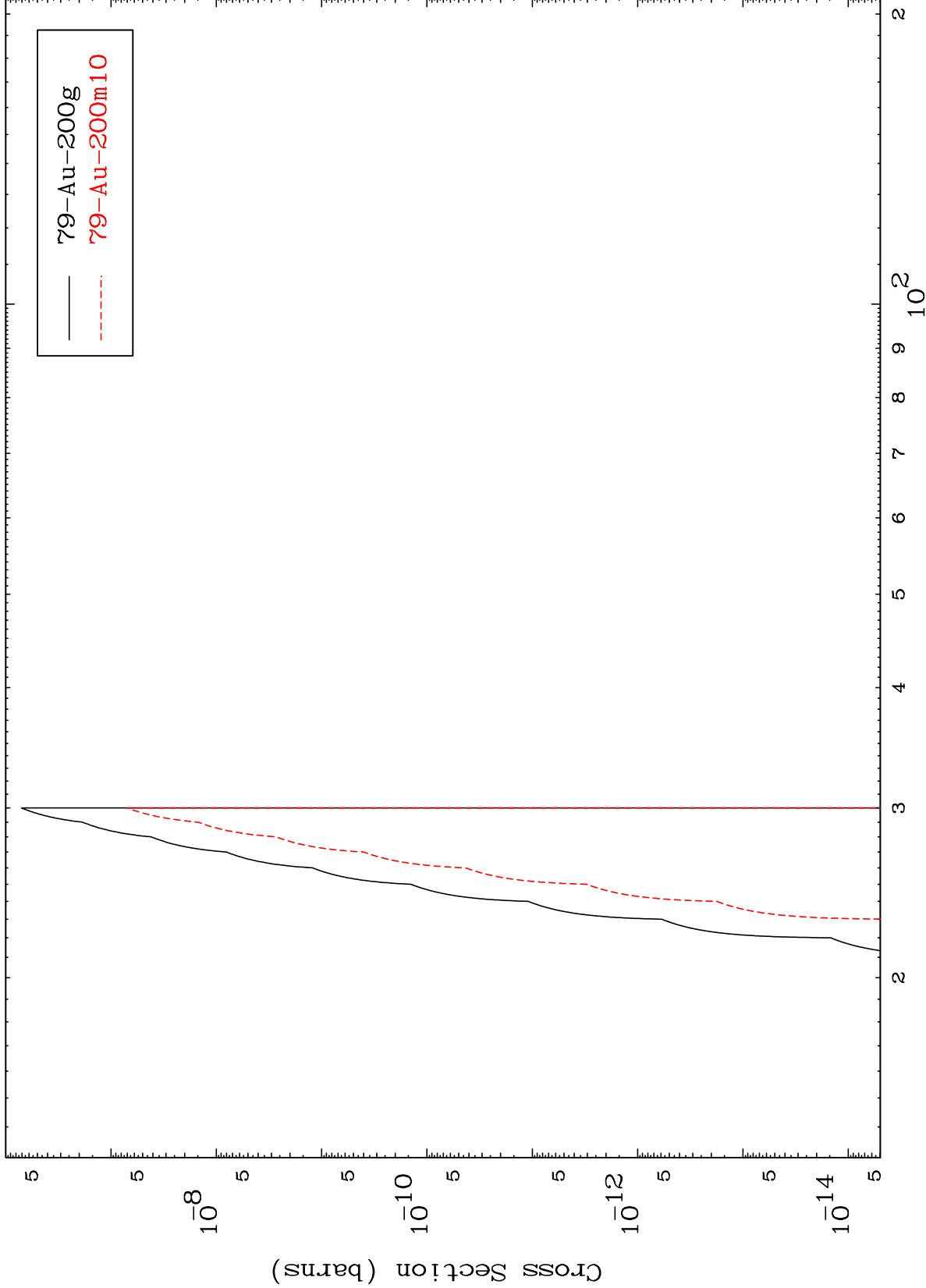


136

Incident Energy (MeV)

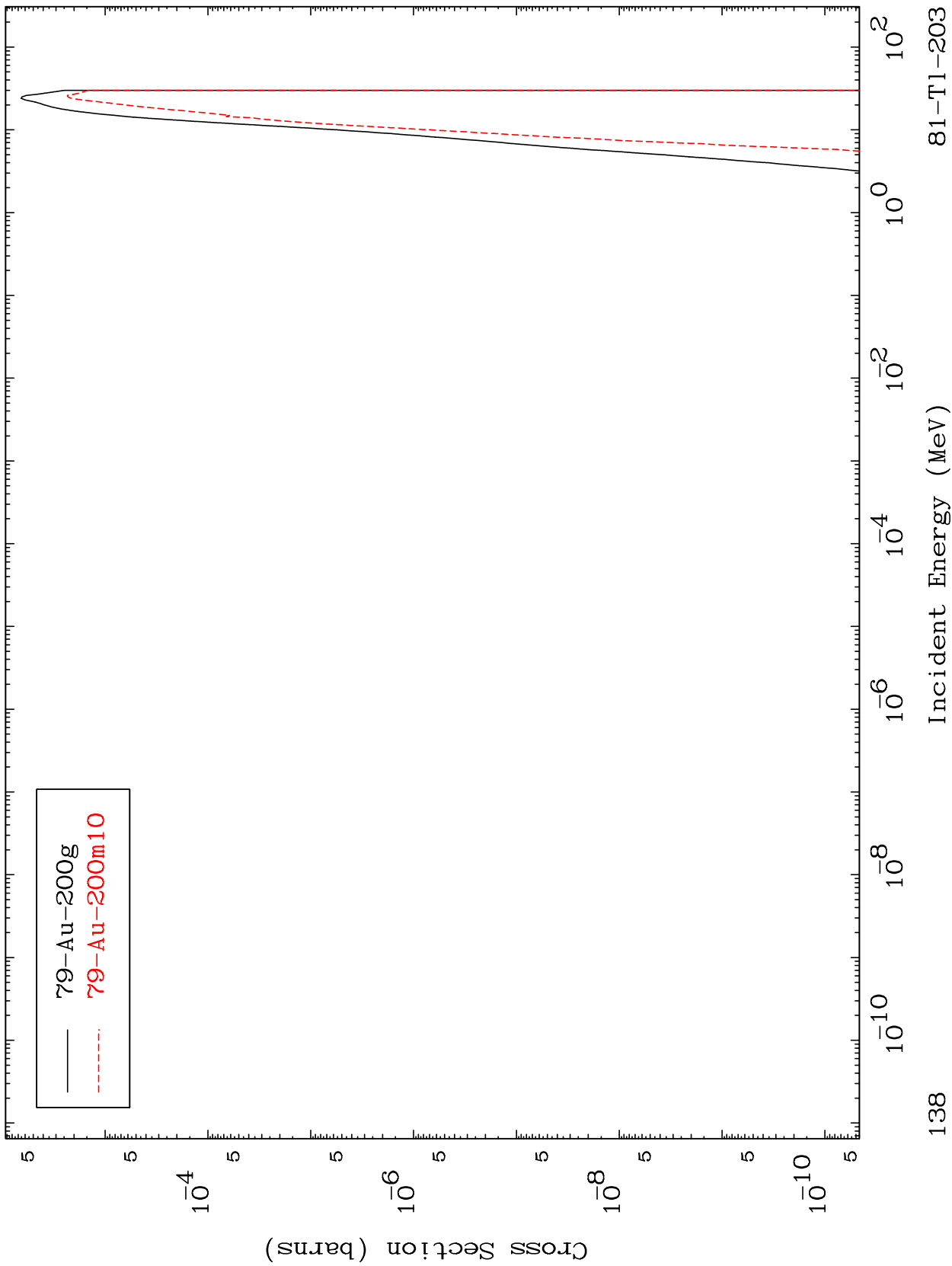
81-Tl-203

Radionuclide Production Cross Section



79-Au-200g
79-Au-200m10

Radionuclide Production Cross Section

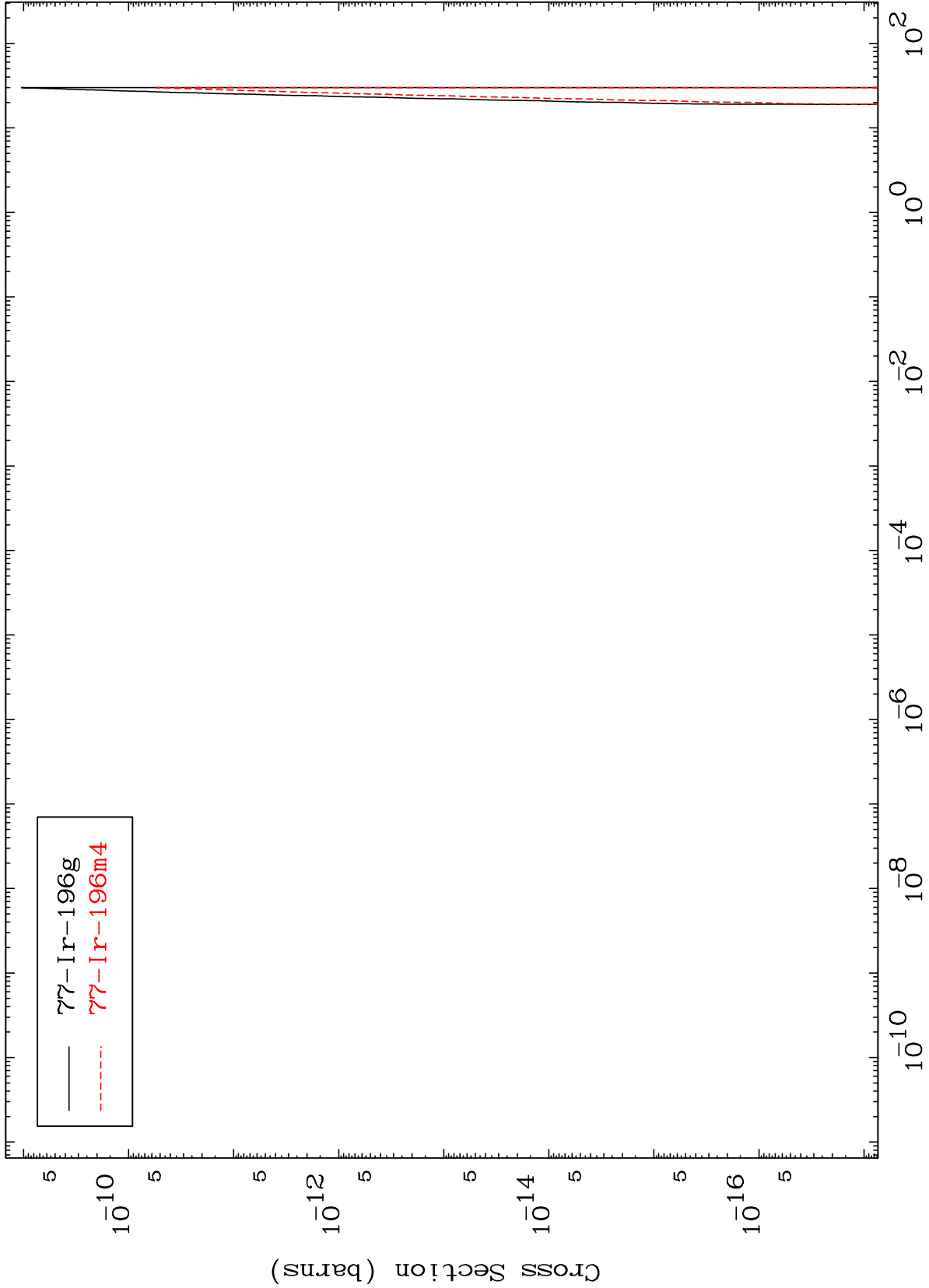


MAT 8125

(n,2α)

81-Tl-203

Radionuclide Production Cross Section



— $^{77}\text{Ir-196g}$
- - - $^{77}\text{Ir-196m4}$

139

Incident Energy (MeV)

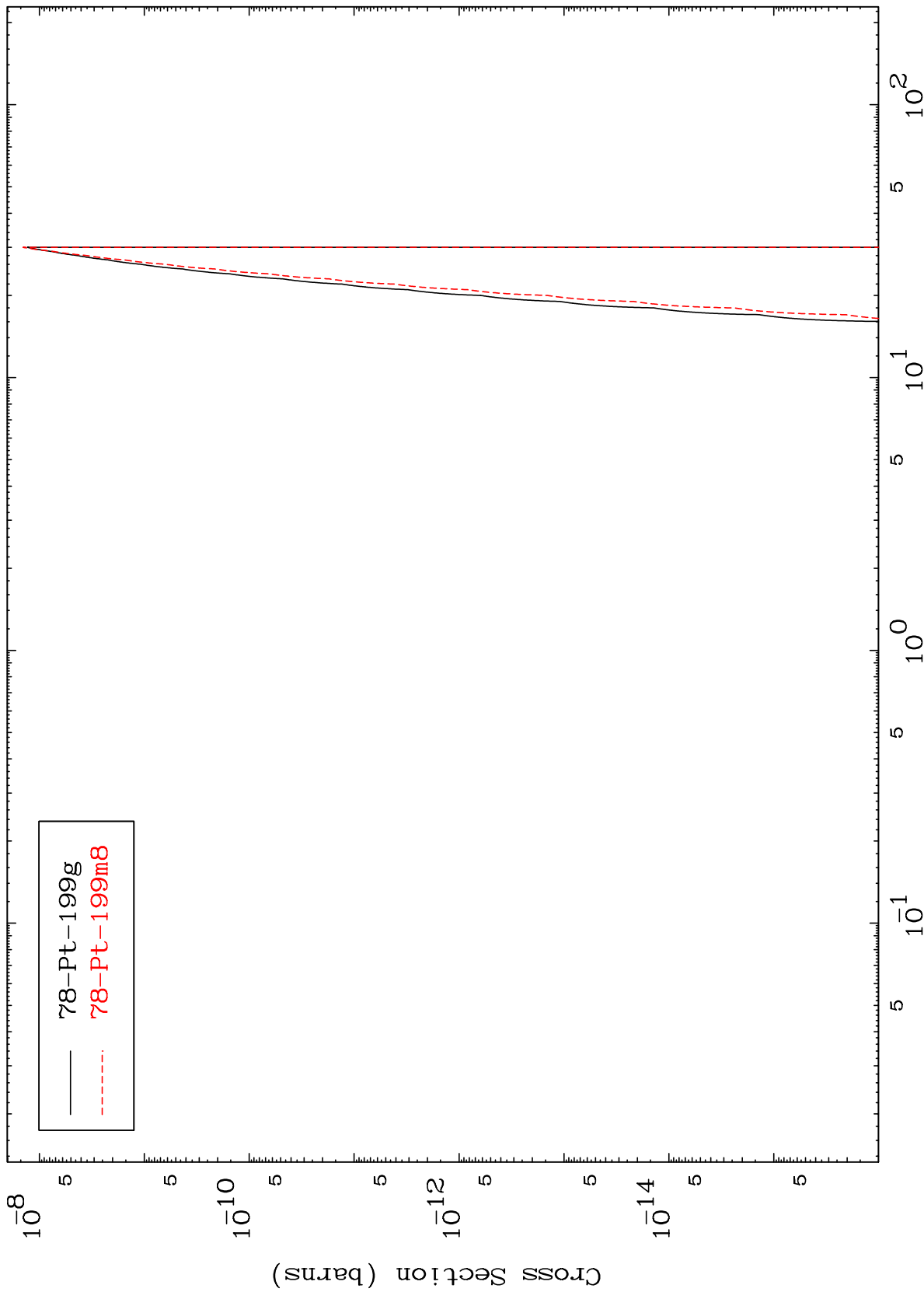
81-Tl-203

MAT 8125

(n,p) α

81-Tl-203

Radionuclide Production Cross Section



140

Incident Energy (MeV)

81-Tl-203