

Program EVALPLOT  
(Version 2017-1)

by

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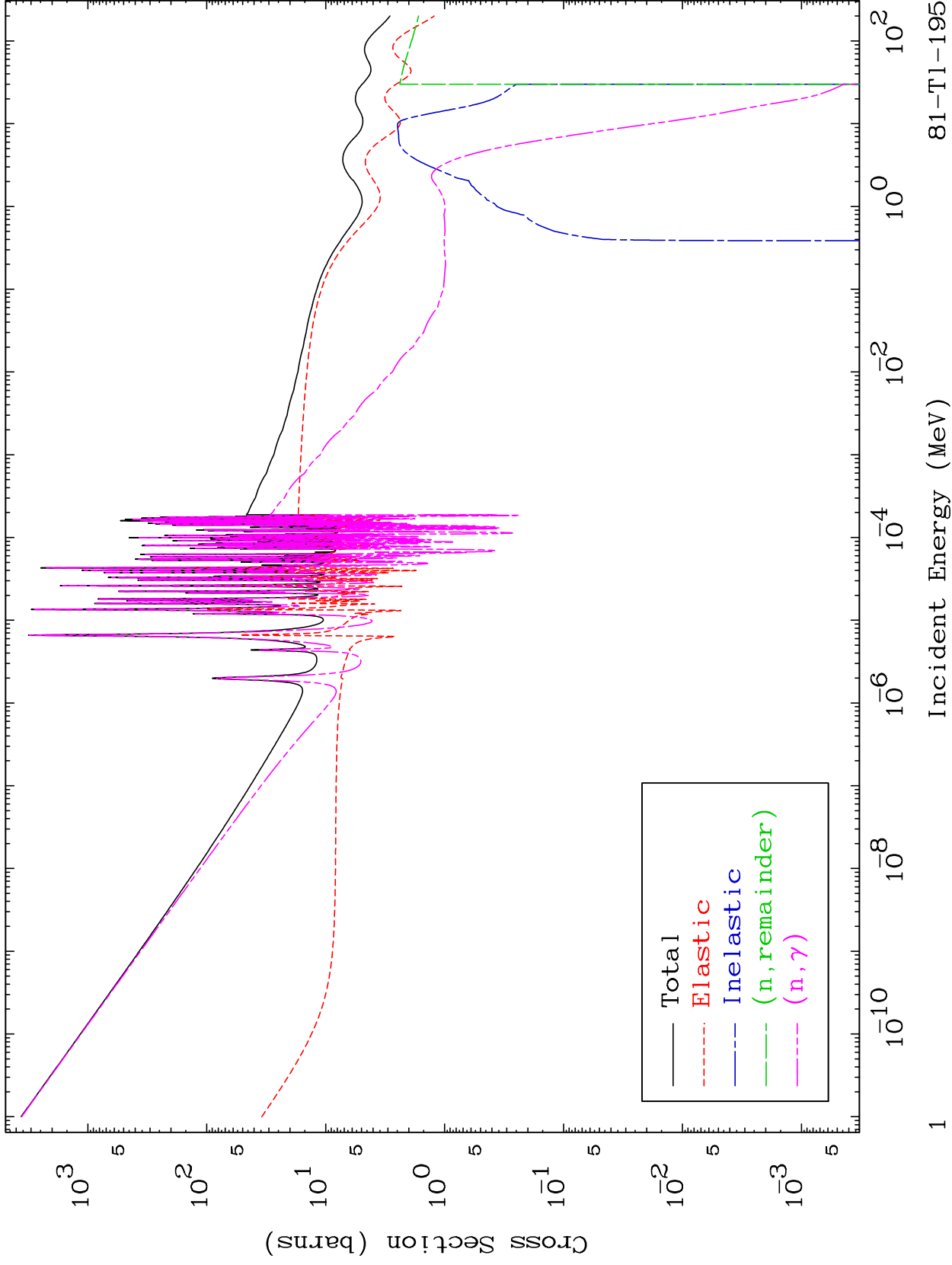
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Press Mouse Button to Start

MAT 8101

Major  
293 Kelvin Cross Sections

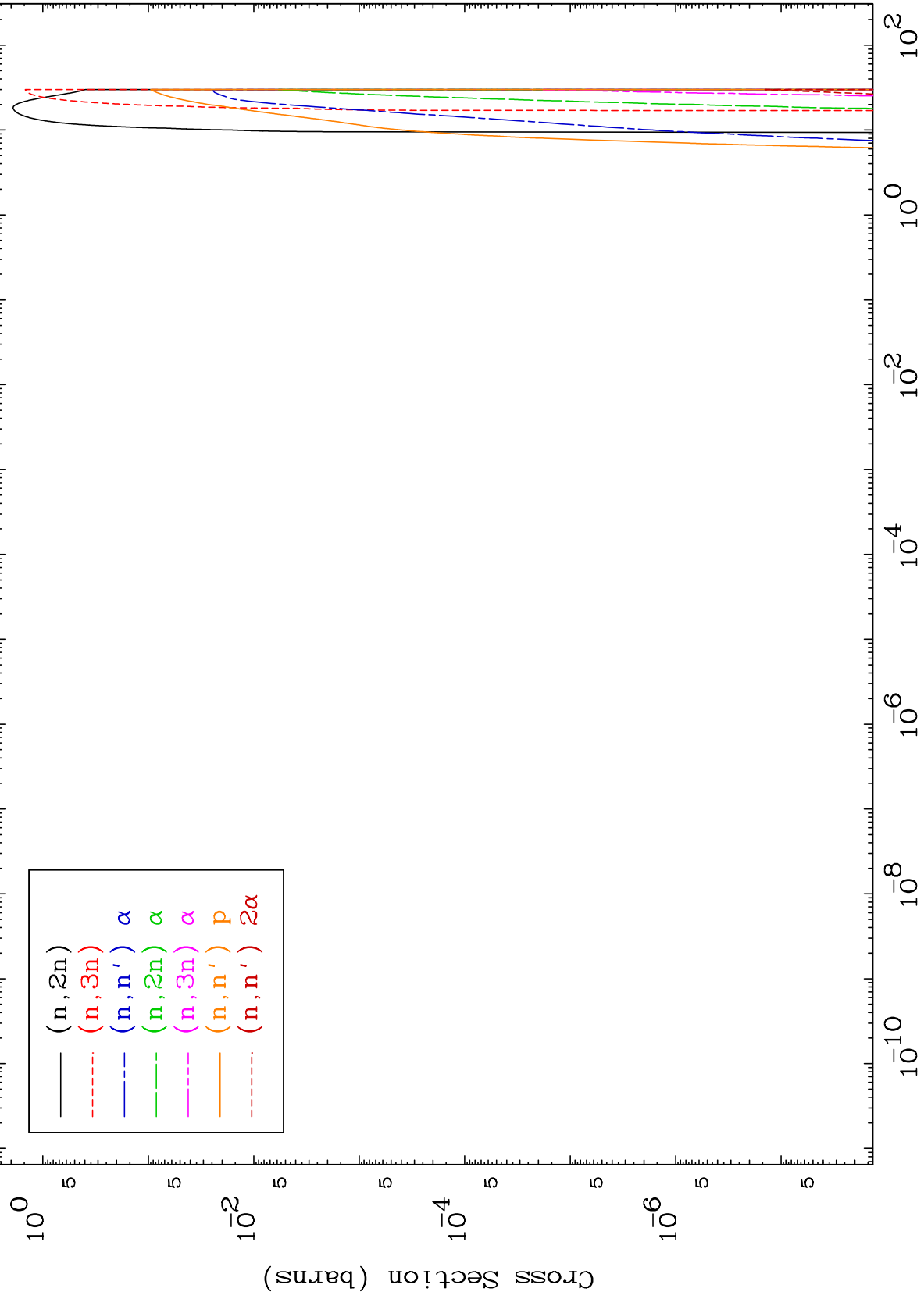
81-Tl-195



MAT 8101

Neutron Production  
293 Kelvin Cross Sections

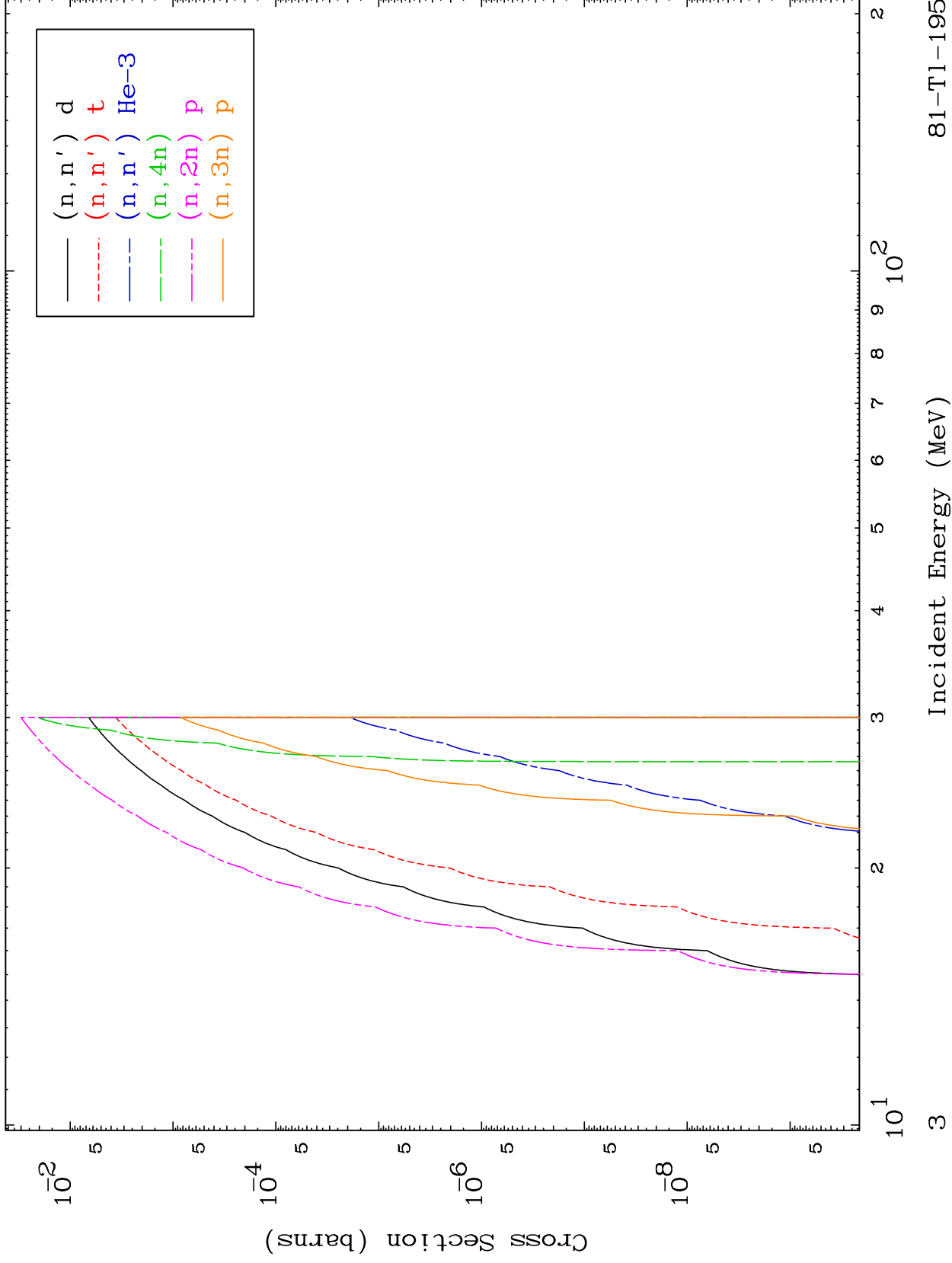
81-Tl-195



MAT 8101

Neutron Production  
293 Kelvin Cross Sections

81-Tl-195



81-Tl-195

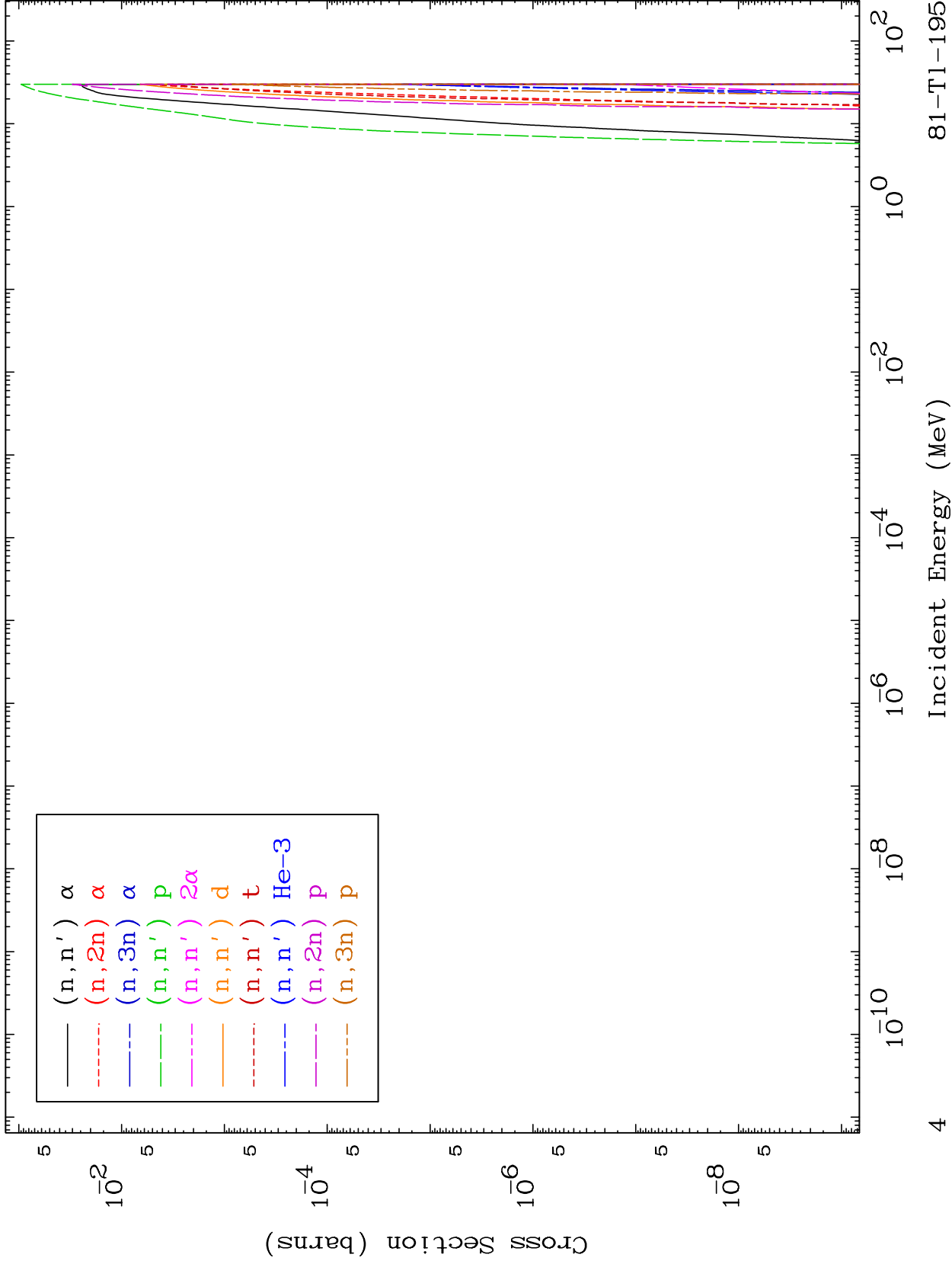
Incident Energy (MeV)

3

MAT 8101

Charged Particle  
293 Kelvin Cross Sections

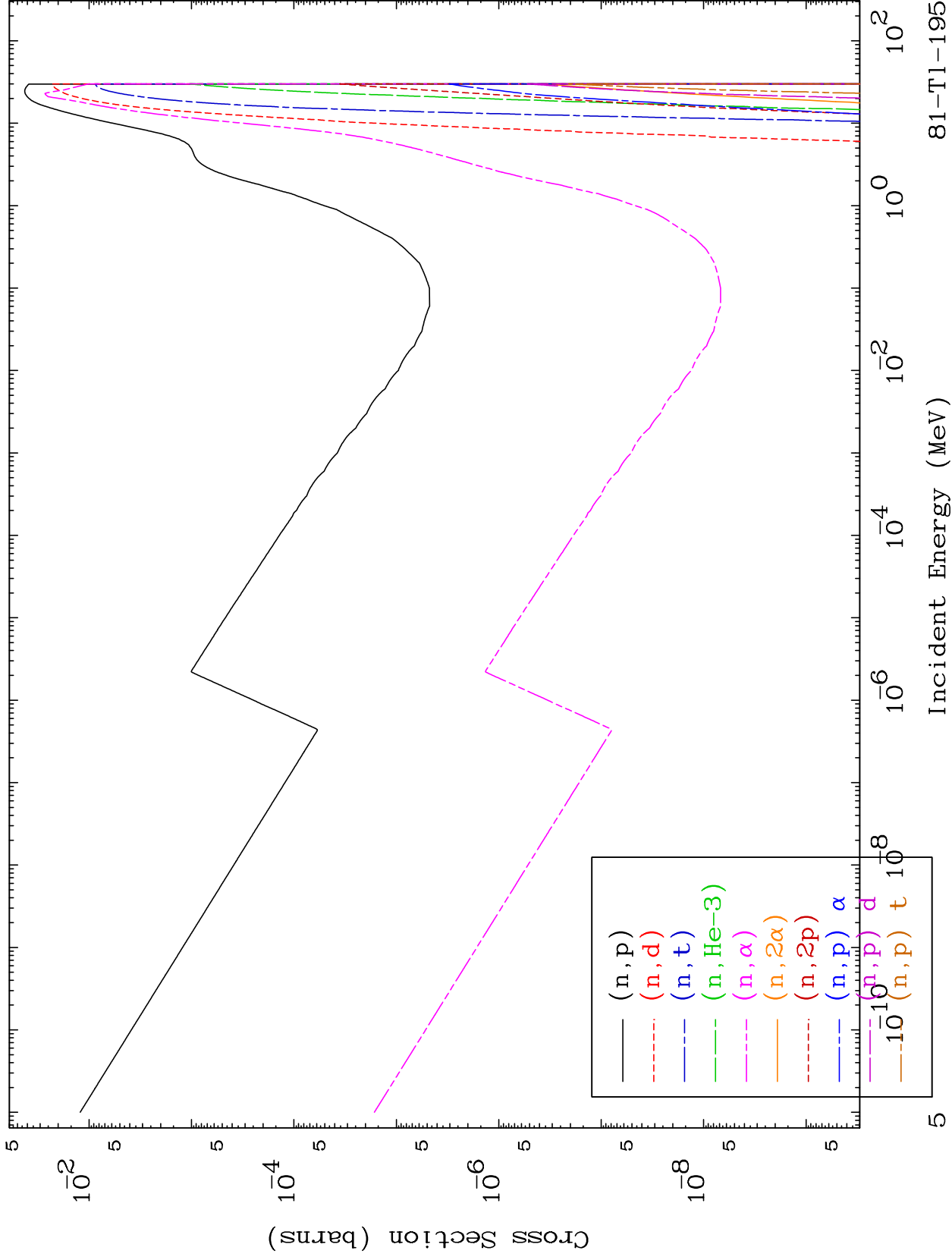
81-Tl-195



MAT 8101

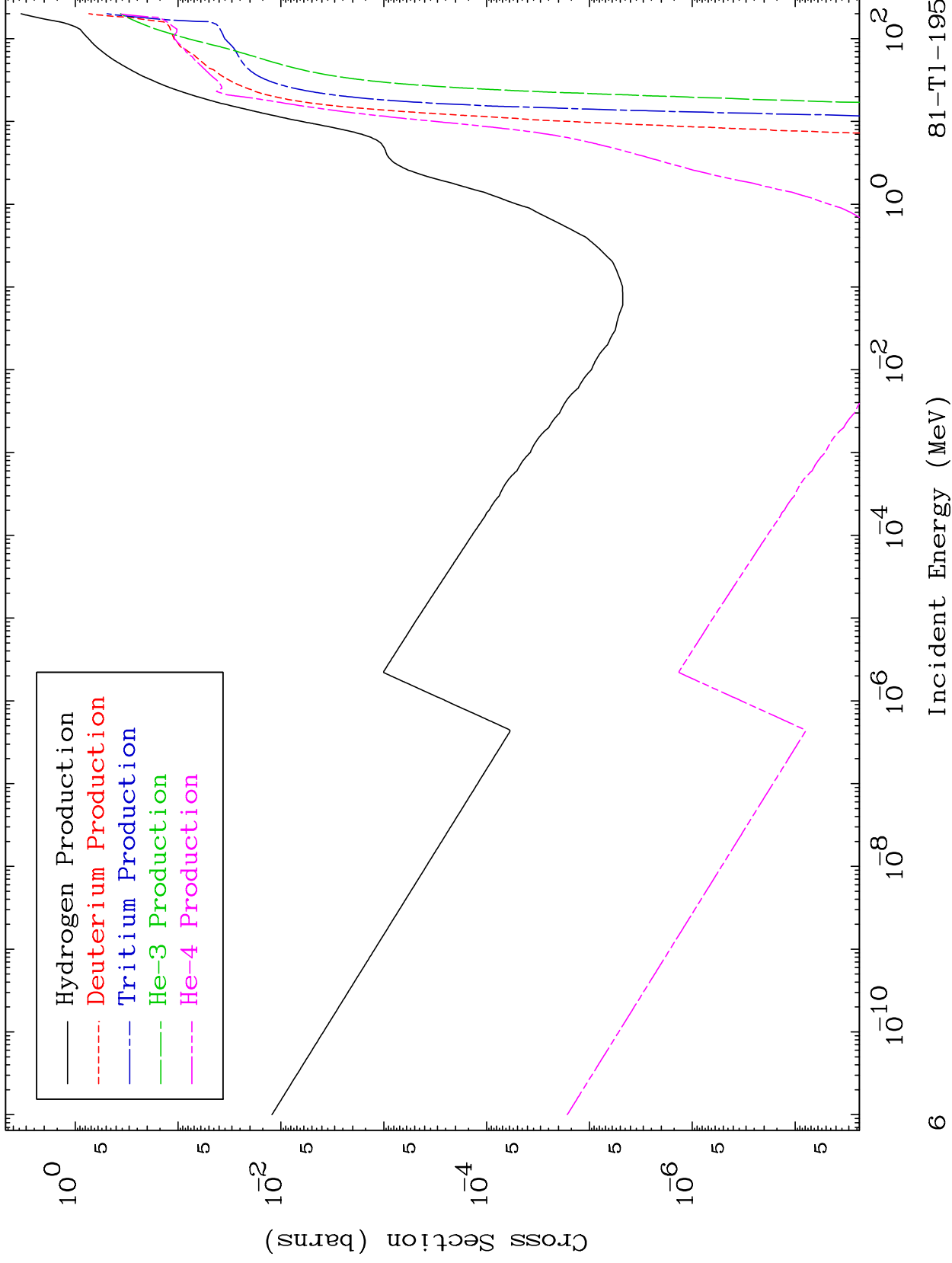
Charged Particle  
293 Kelvin Cross Sections

81-Tl-195



81-Tl-195

Incident Energy (MeV)

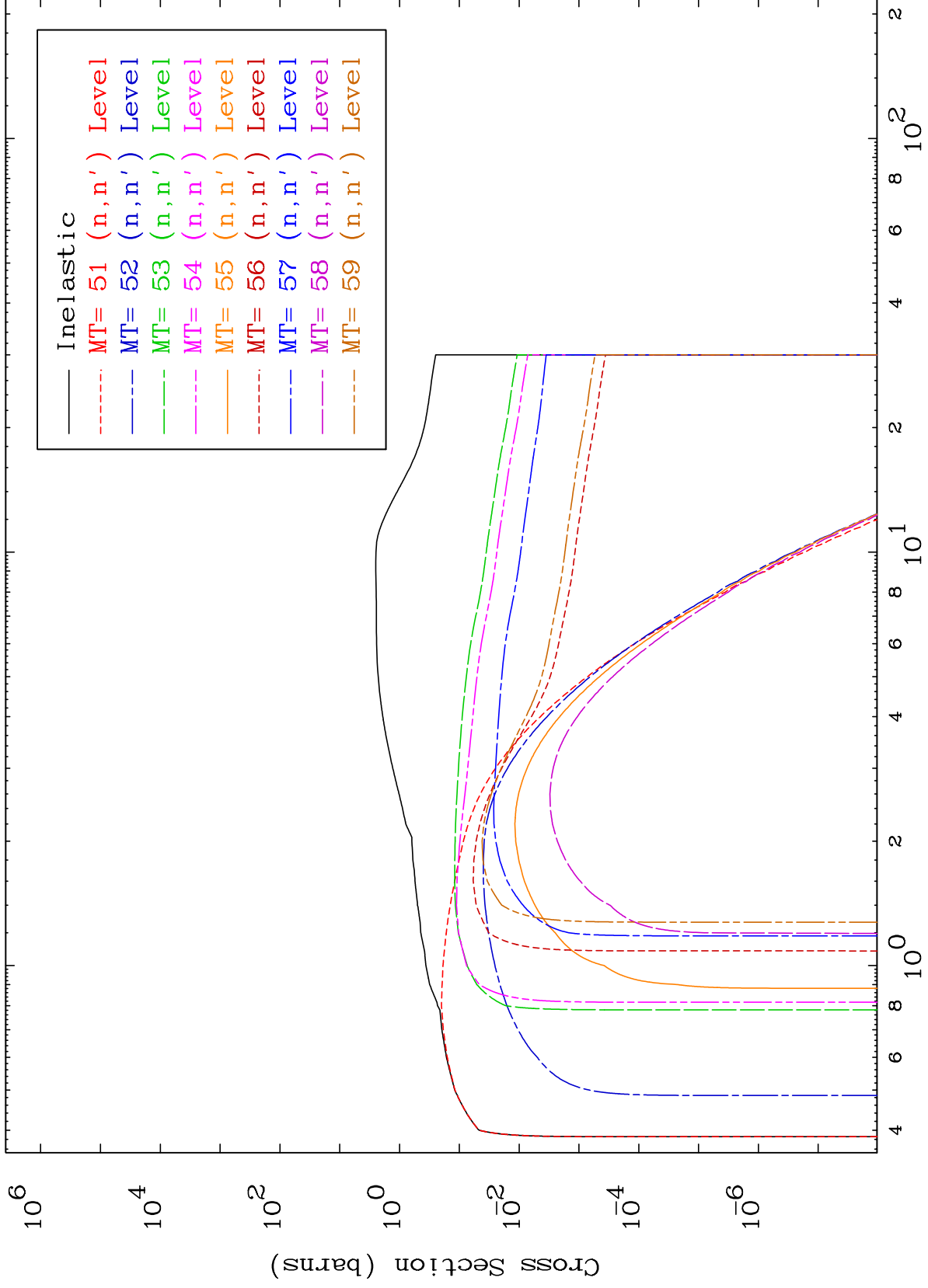


MAT 8101

(n,n') Level

81-Tl-195

293 Kelvin Cross Sections



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Incident Energy (MeV)

81-Tl-195

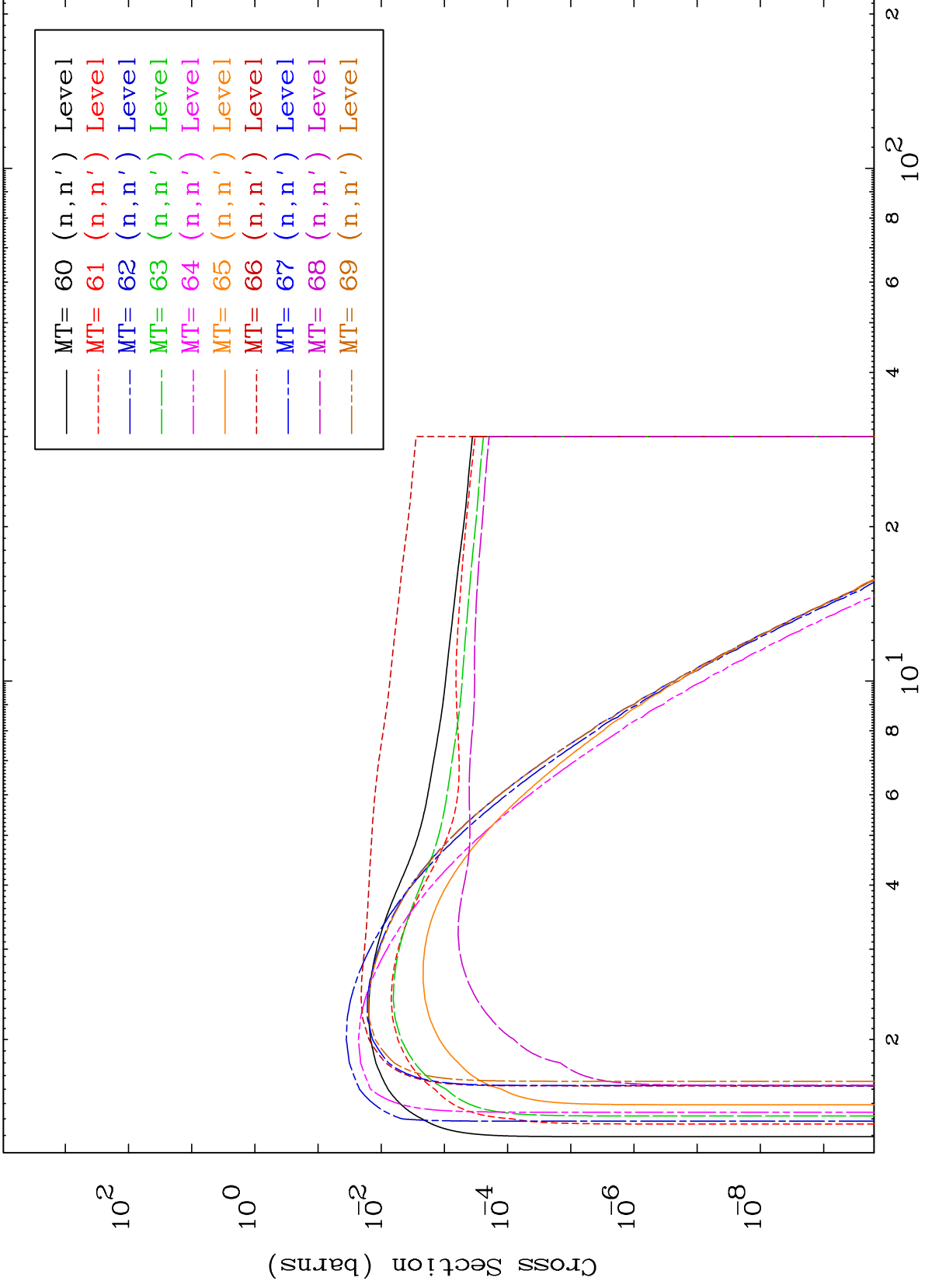


MAT 8101

(n,n') Level

81-Tl-195

293 Kelvin Cross Sections



8

Incident Energy (MeV)

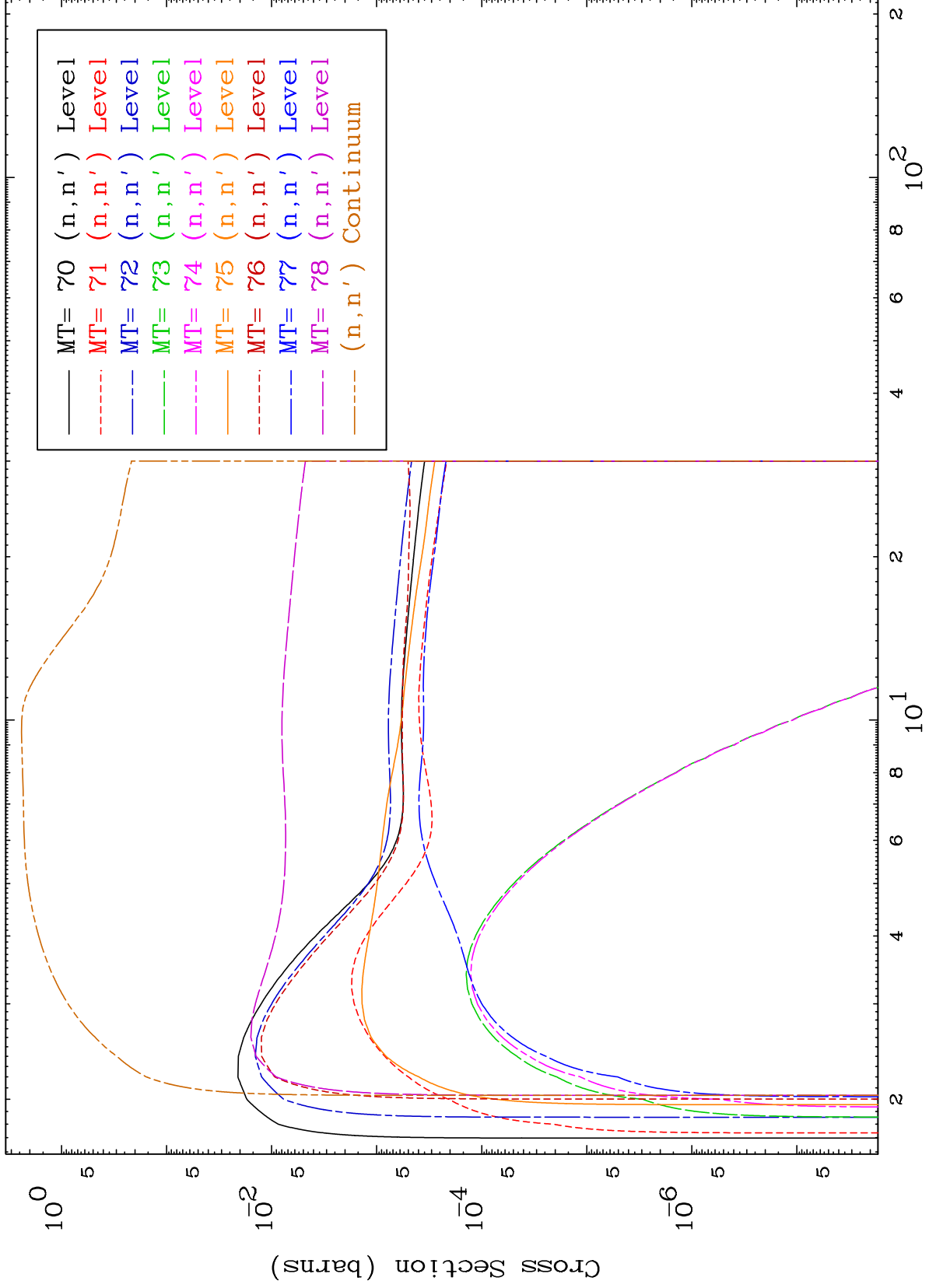
81-Tl-195

MAT 8101

(n,n') Level

81-Tl-195

293 Kelvin Cross Sections



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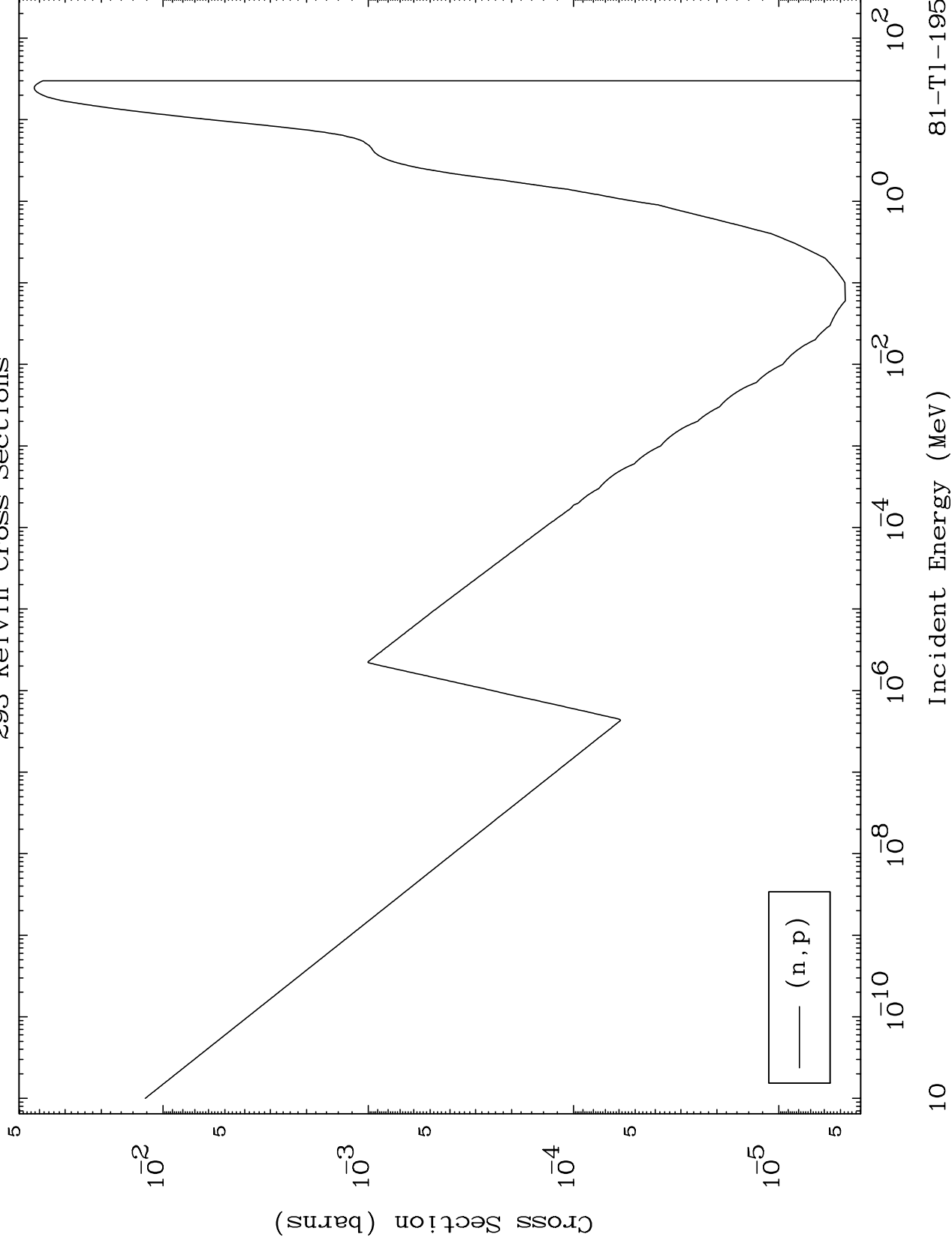
Incident Energy (MeV)

81-Tl-195

MAT 8101

(n,p) Levels  
293 Kelvin Cross Sections

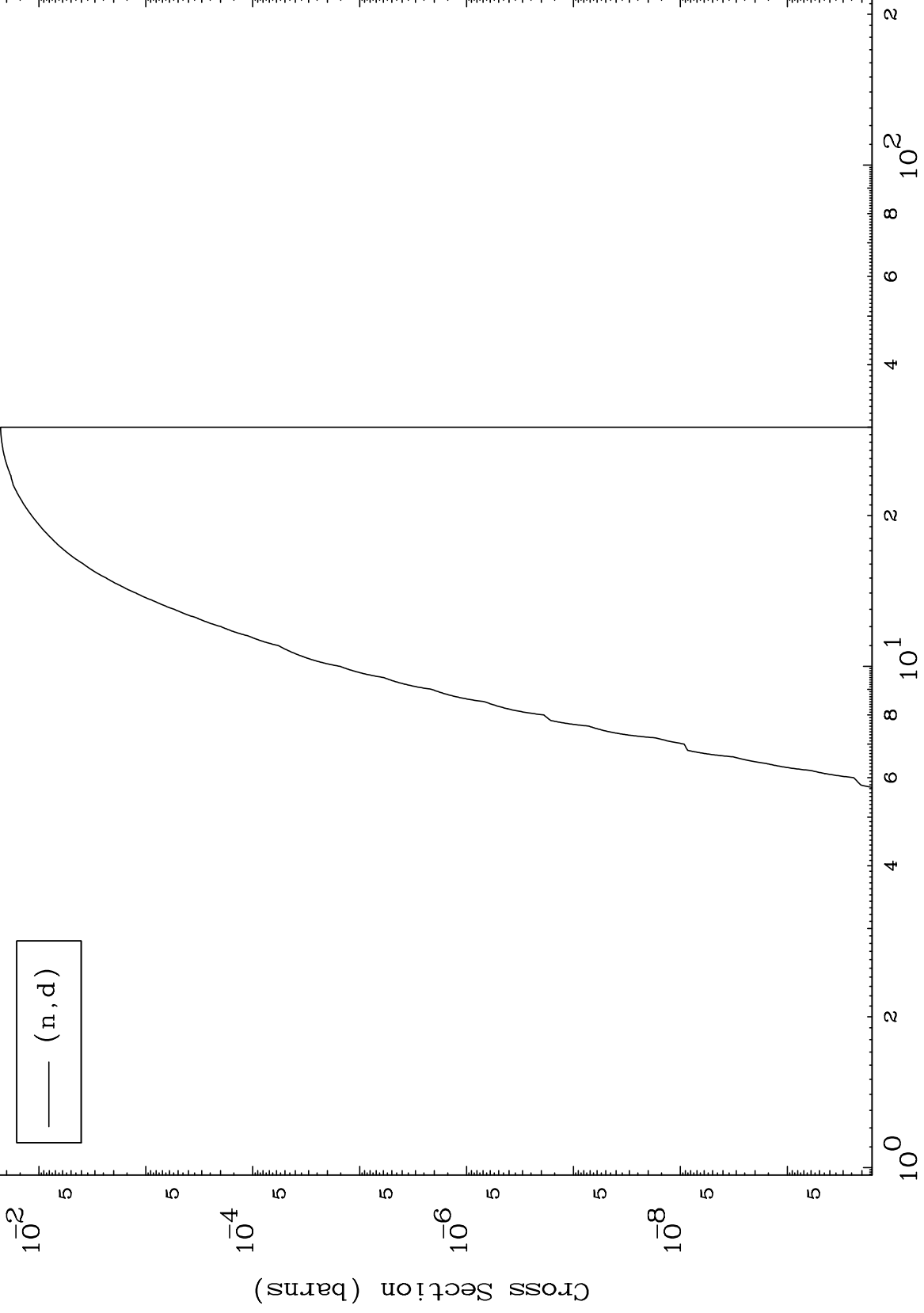
81-Tl-195



MAT 8101

(n,d) Levels  
293 Kelvin Cross Sections

81-Tl-195



11

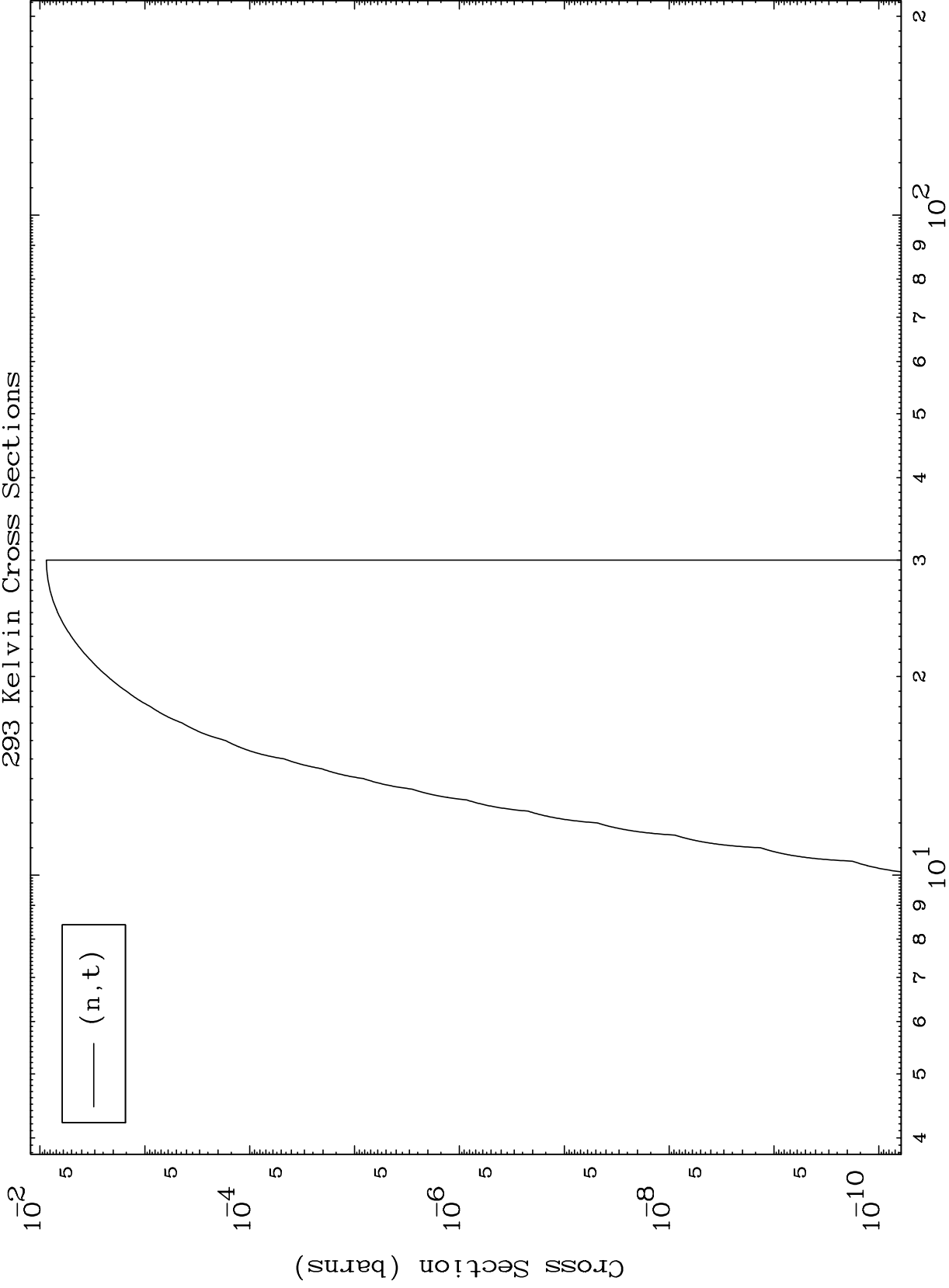
Incident Energy (MeV)

81-Tl-195

MAT 8101

(n,t) Levels  
293 Kelvin Cross Sections

81-Tl-195



12

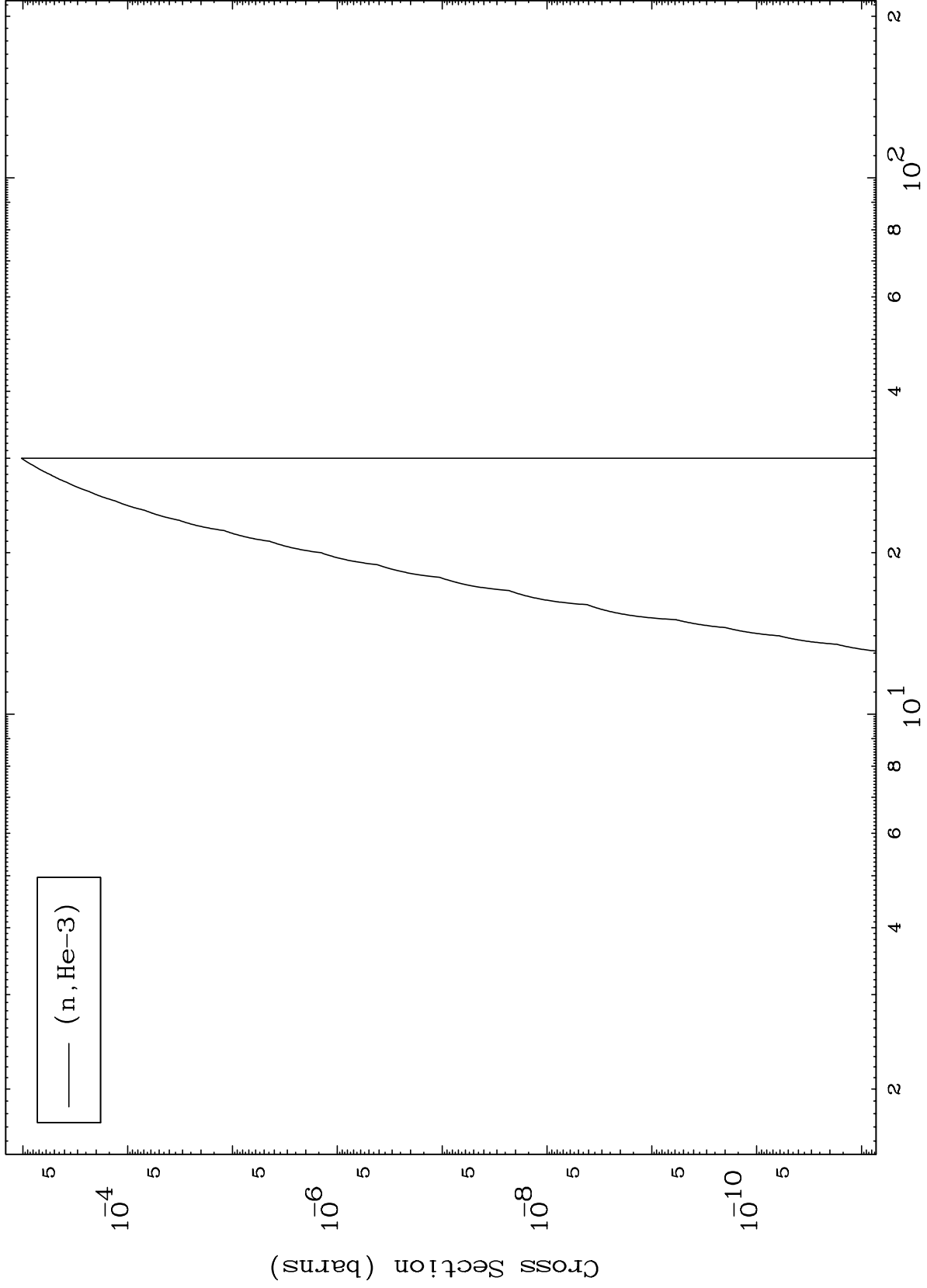
Incident Energy (MeV)

81-Tl-195

MAT 8101

(n,He3) Levels  
293 Kelvin Cross Sections

81-T1-195



13

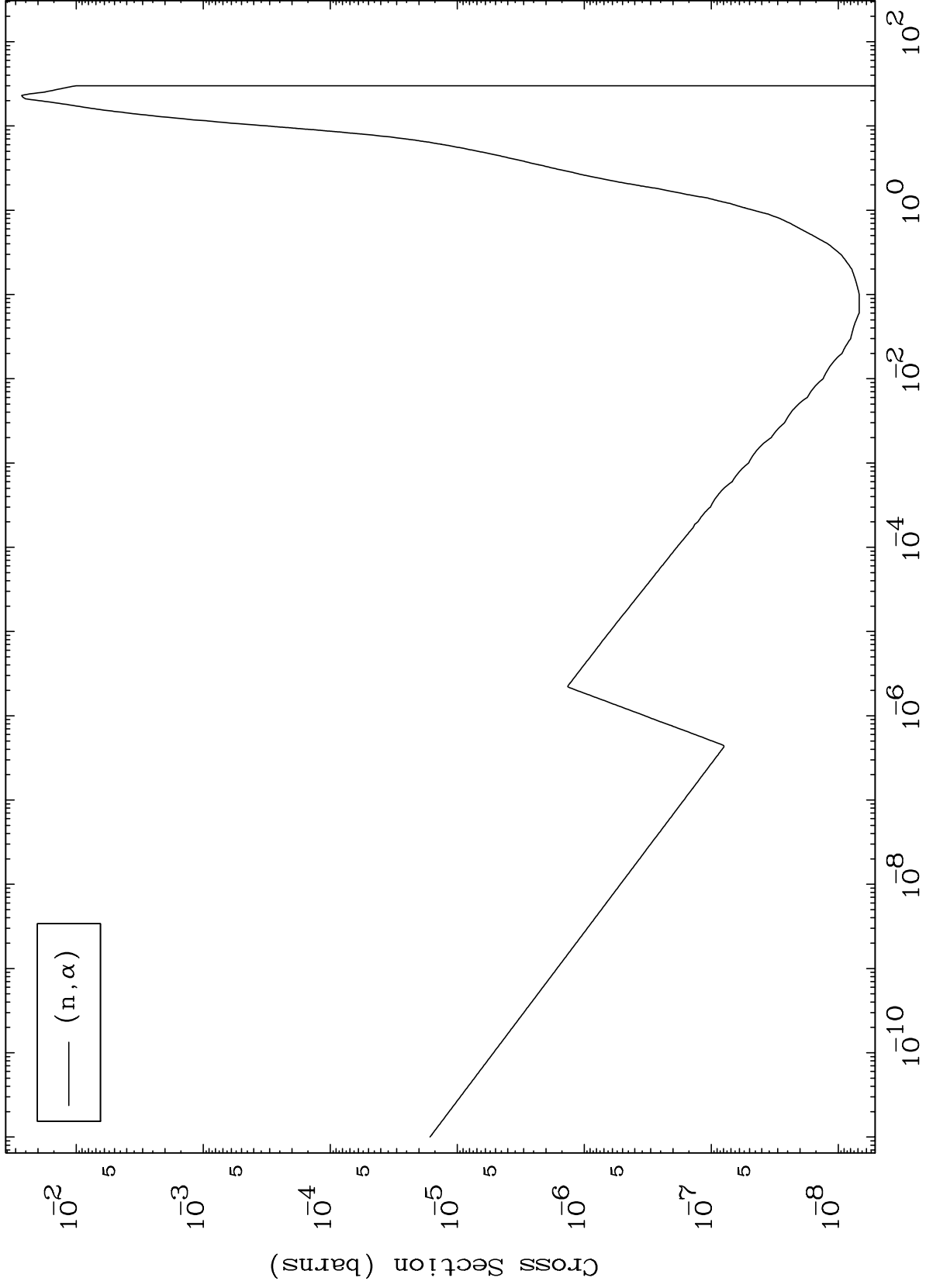
Incident Energy (MeV)

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MAT 8101

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

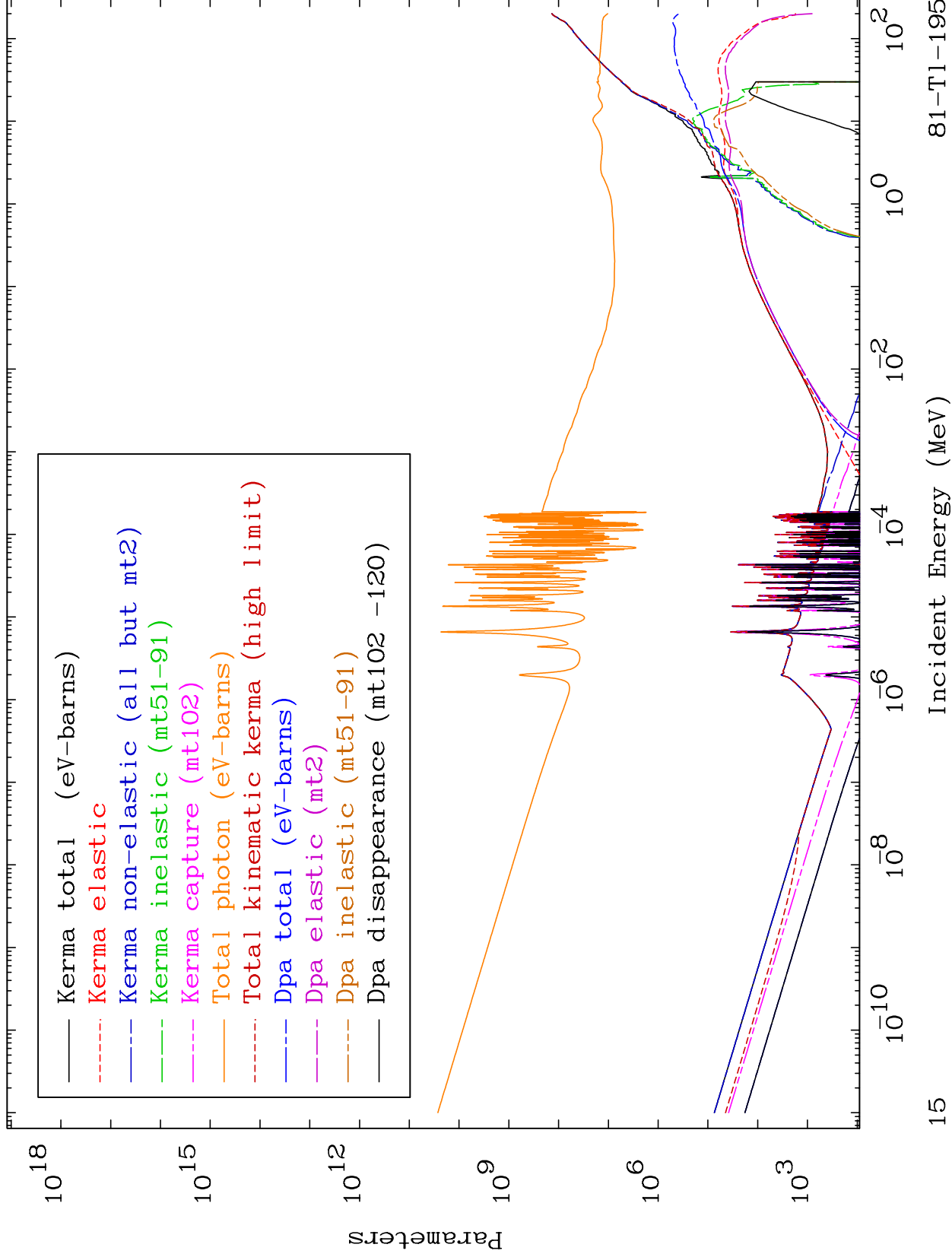
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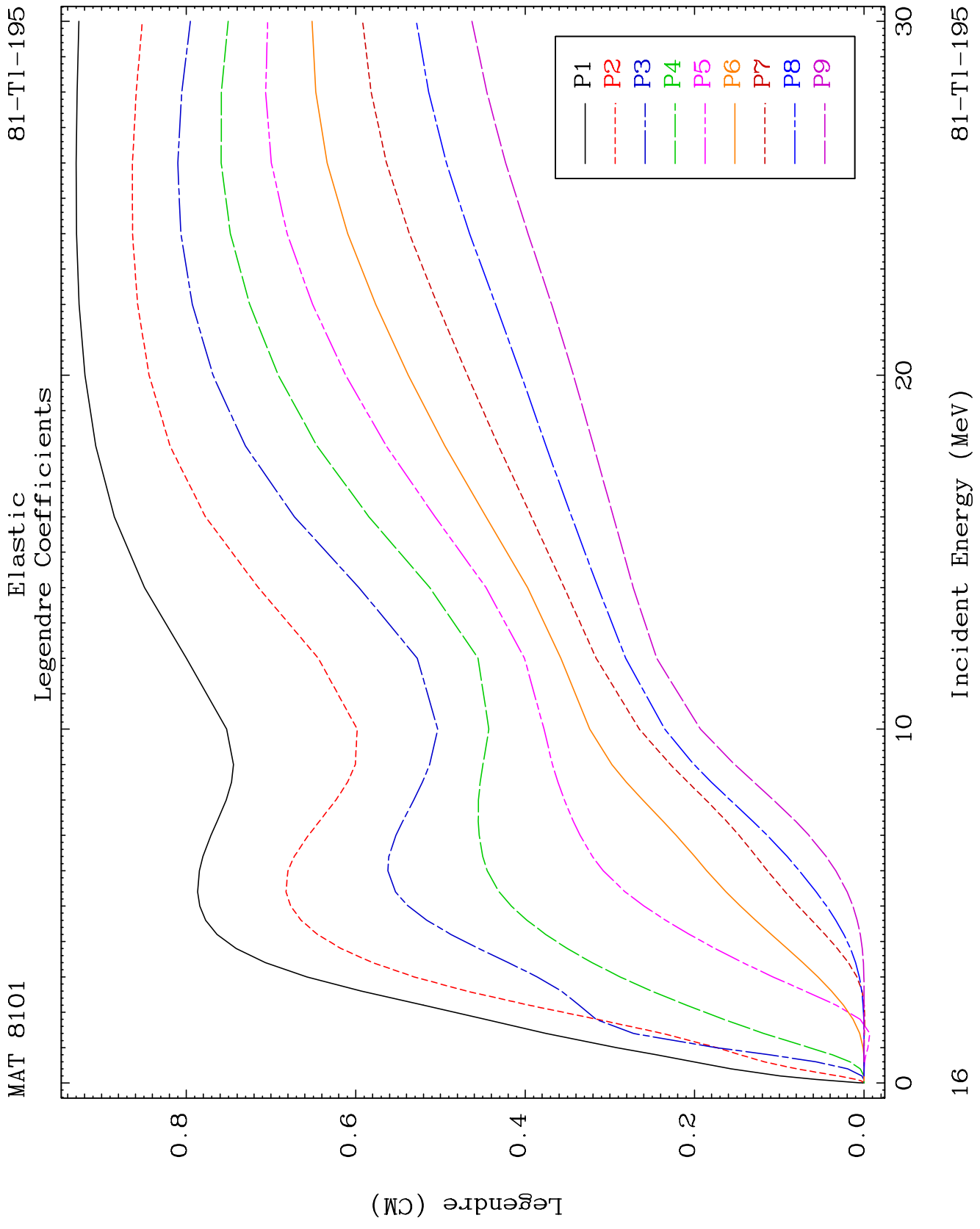
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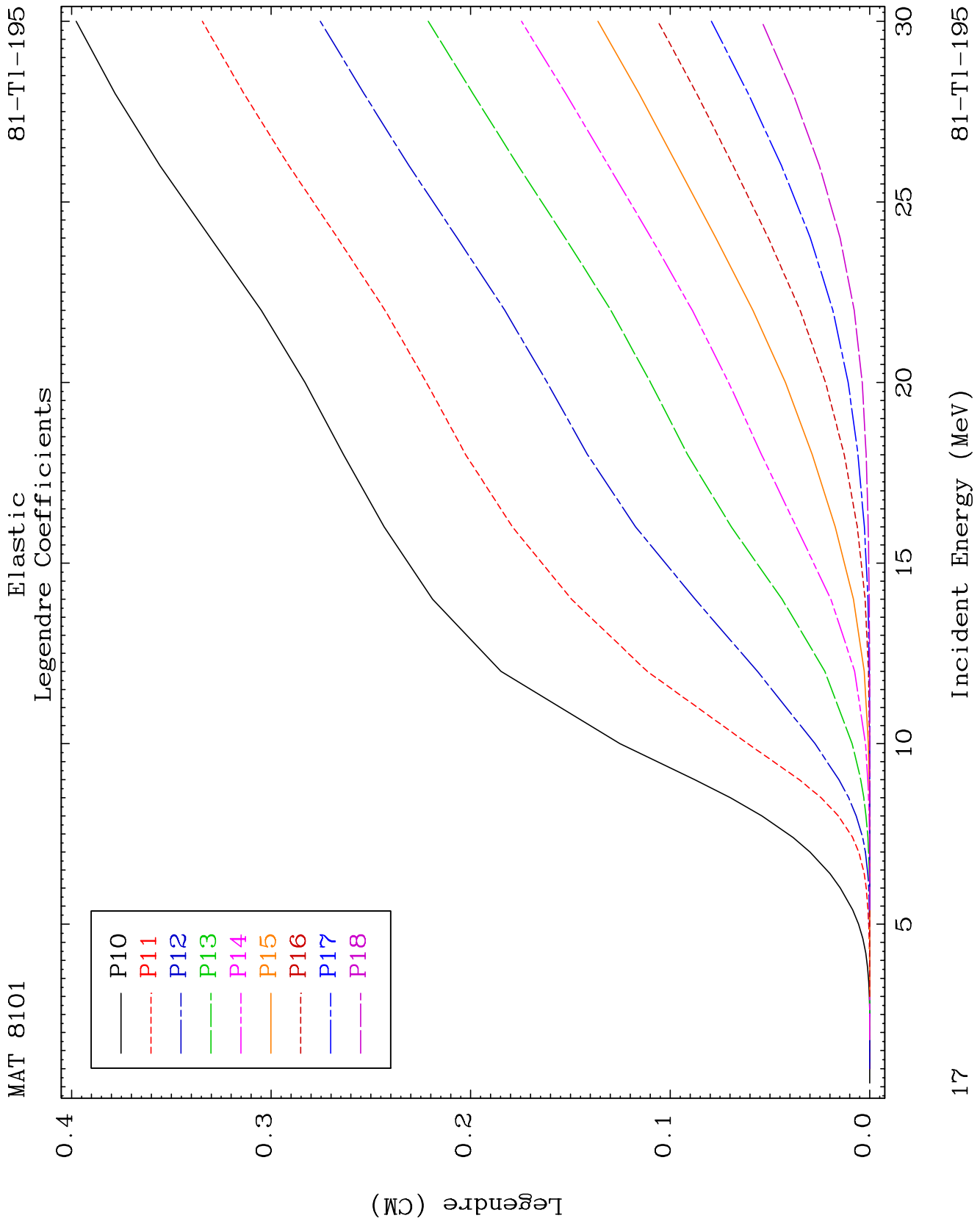
Incident Energy (MeV)

81-Tl-195





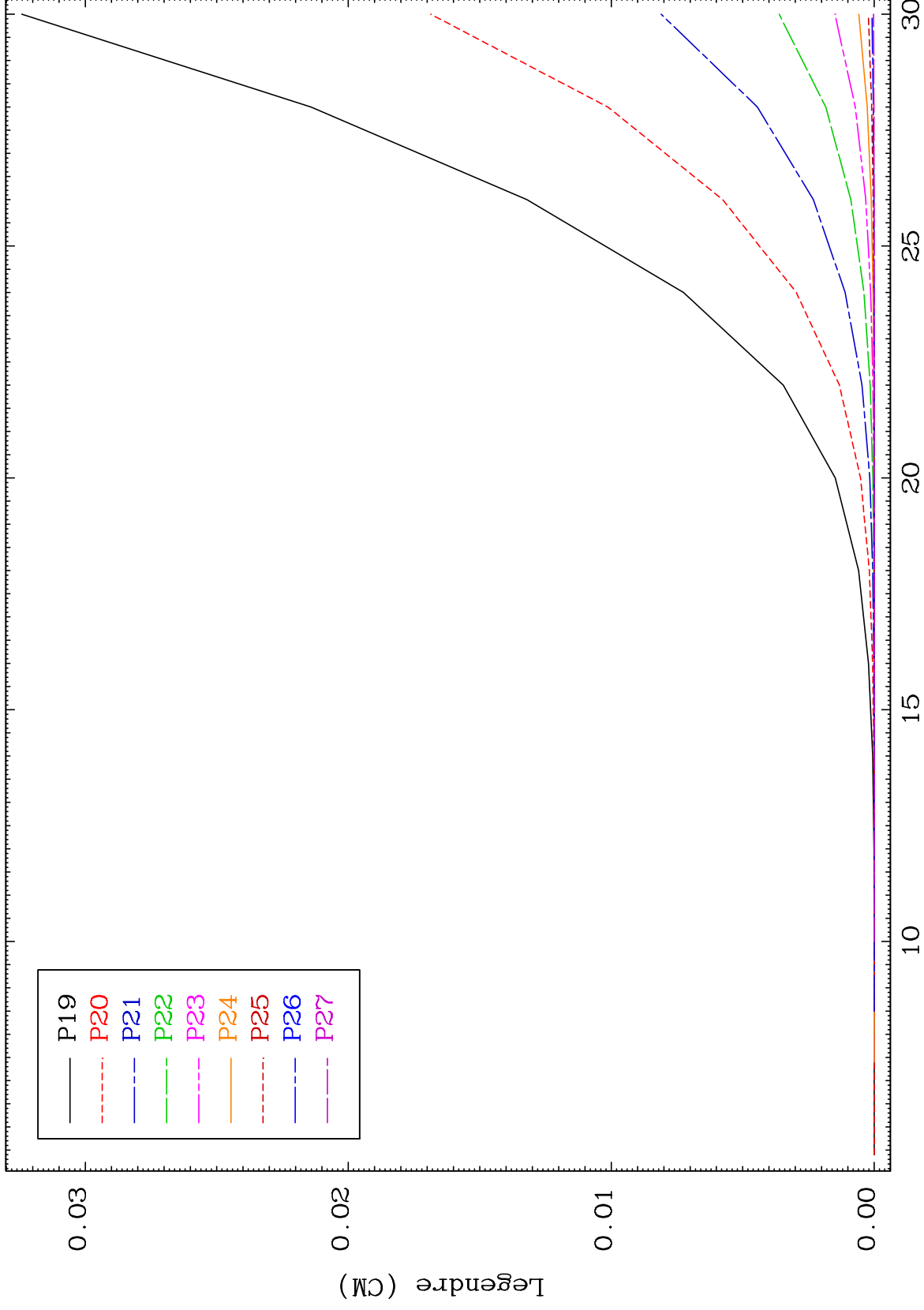




MAT 8101

### Elastic Legendre Coefficients

81-T1-195



18

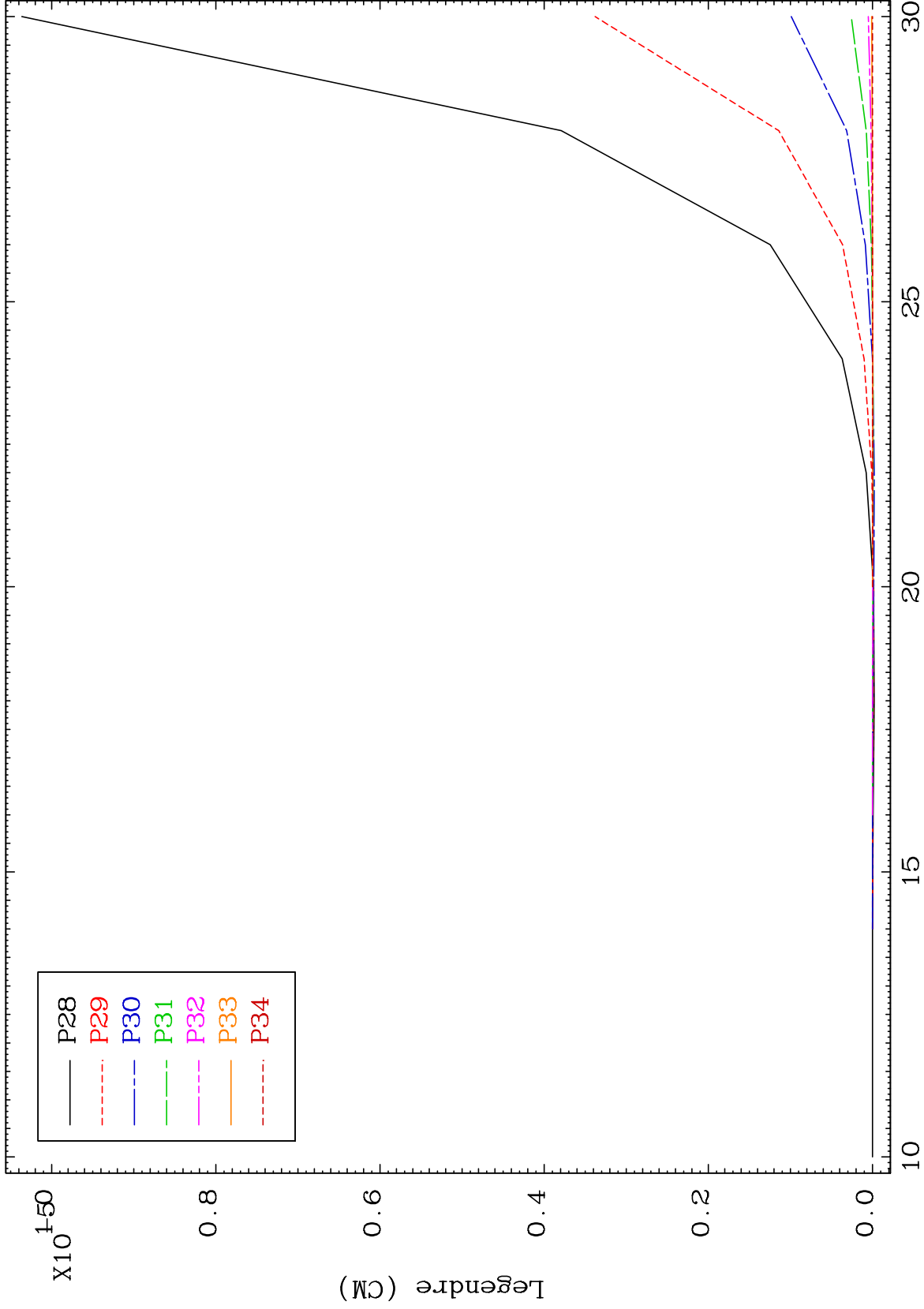
Incident Energy (MeV)

81-T1-195

MAT 8101

Elastic Legendre Coefficients

81-T1-195



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Incident Energy (MeV)

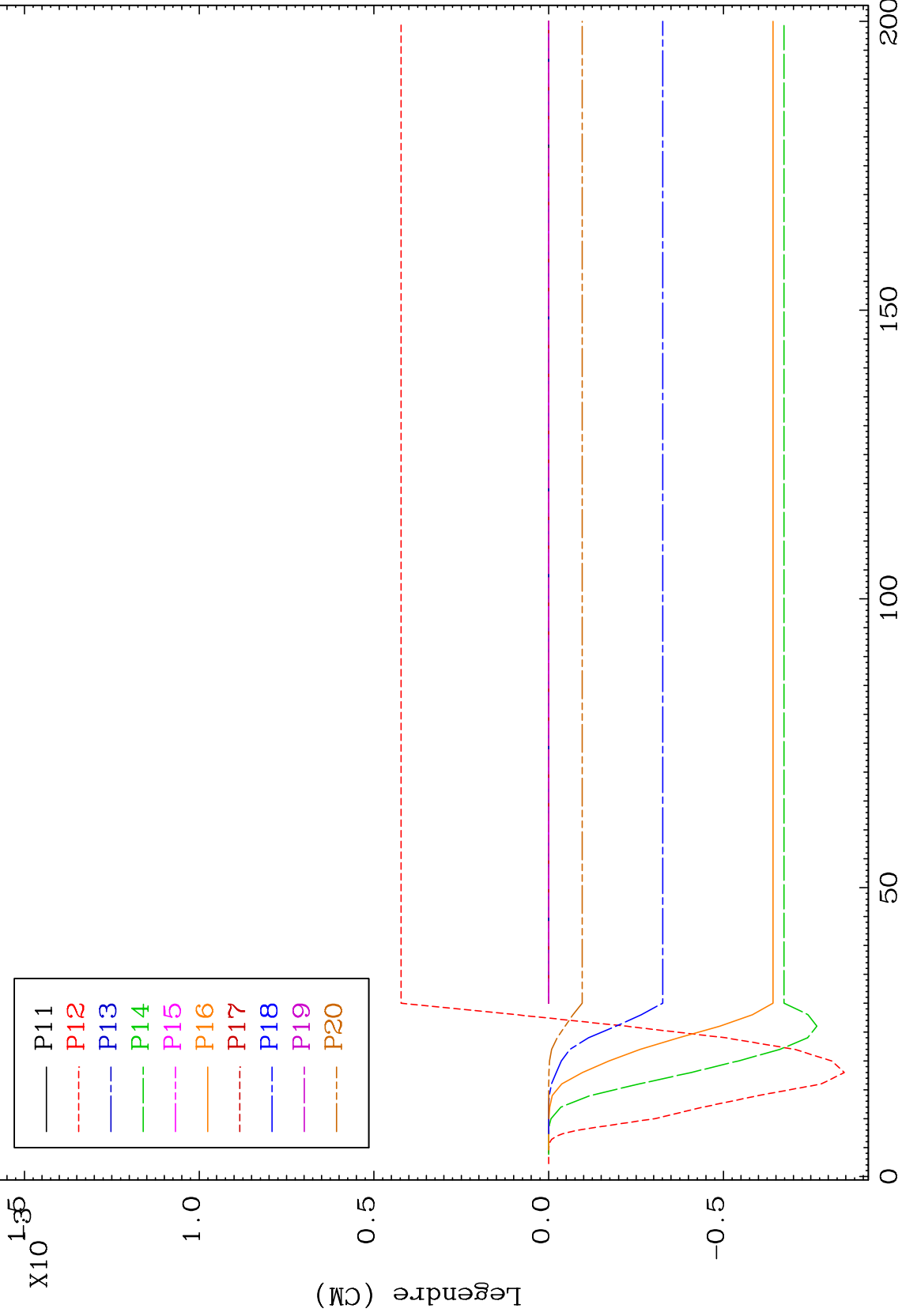
81-T1-195



MAT 8101

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

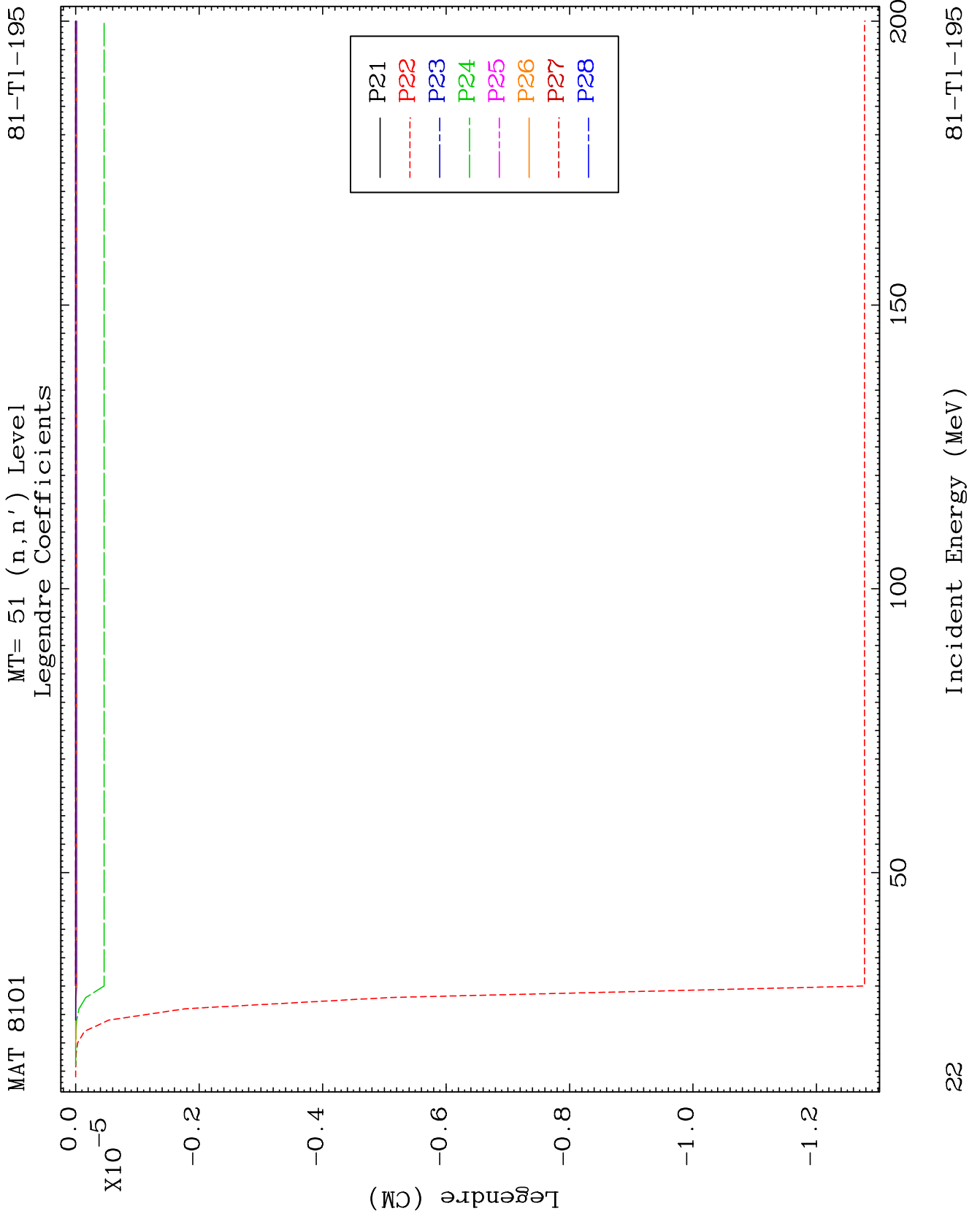
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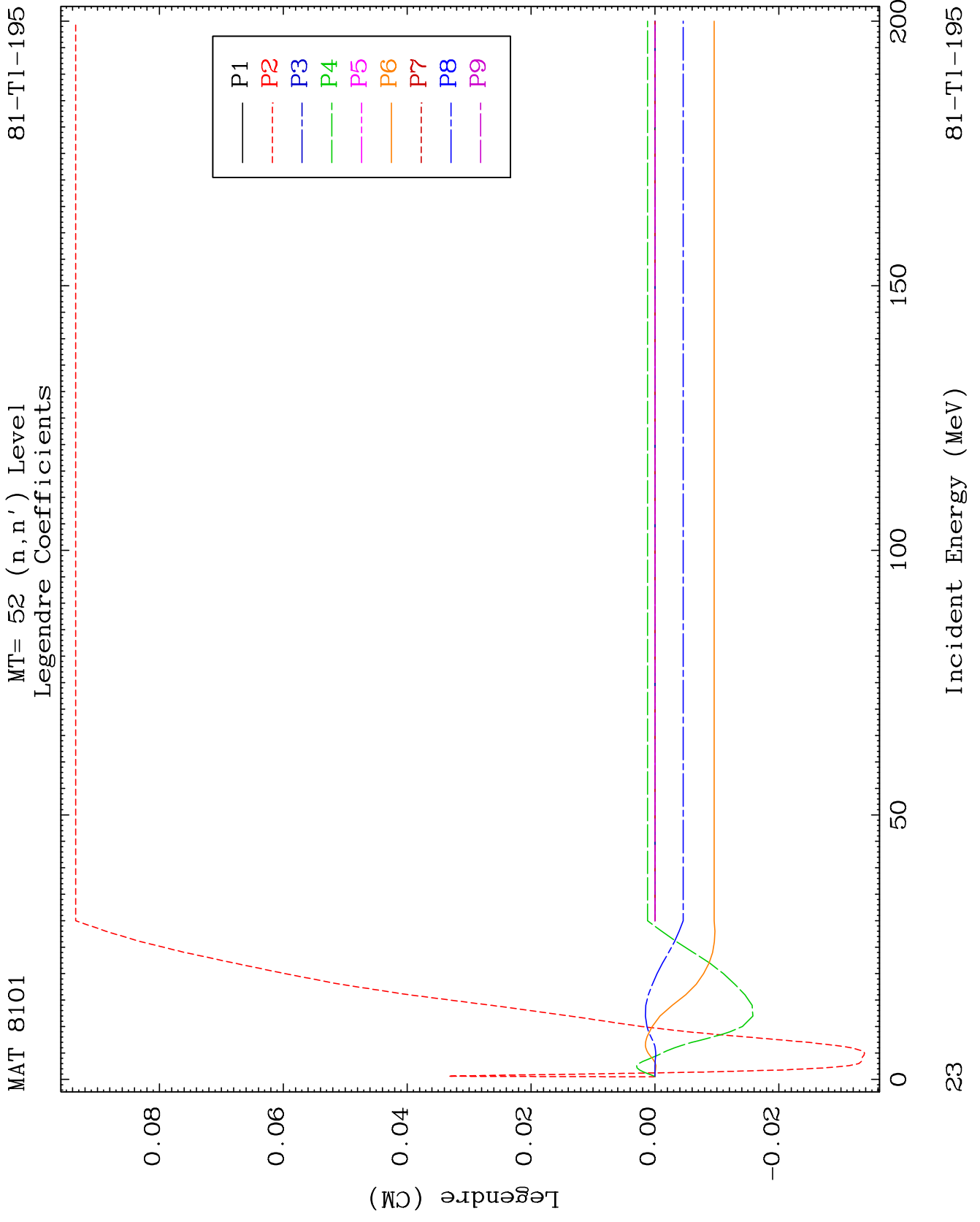


21

Incident Energy (MeV)

81-T1-195



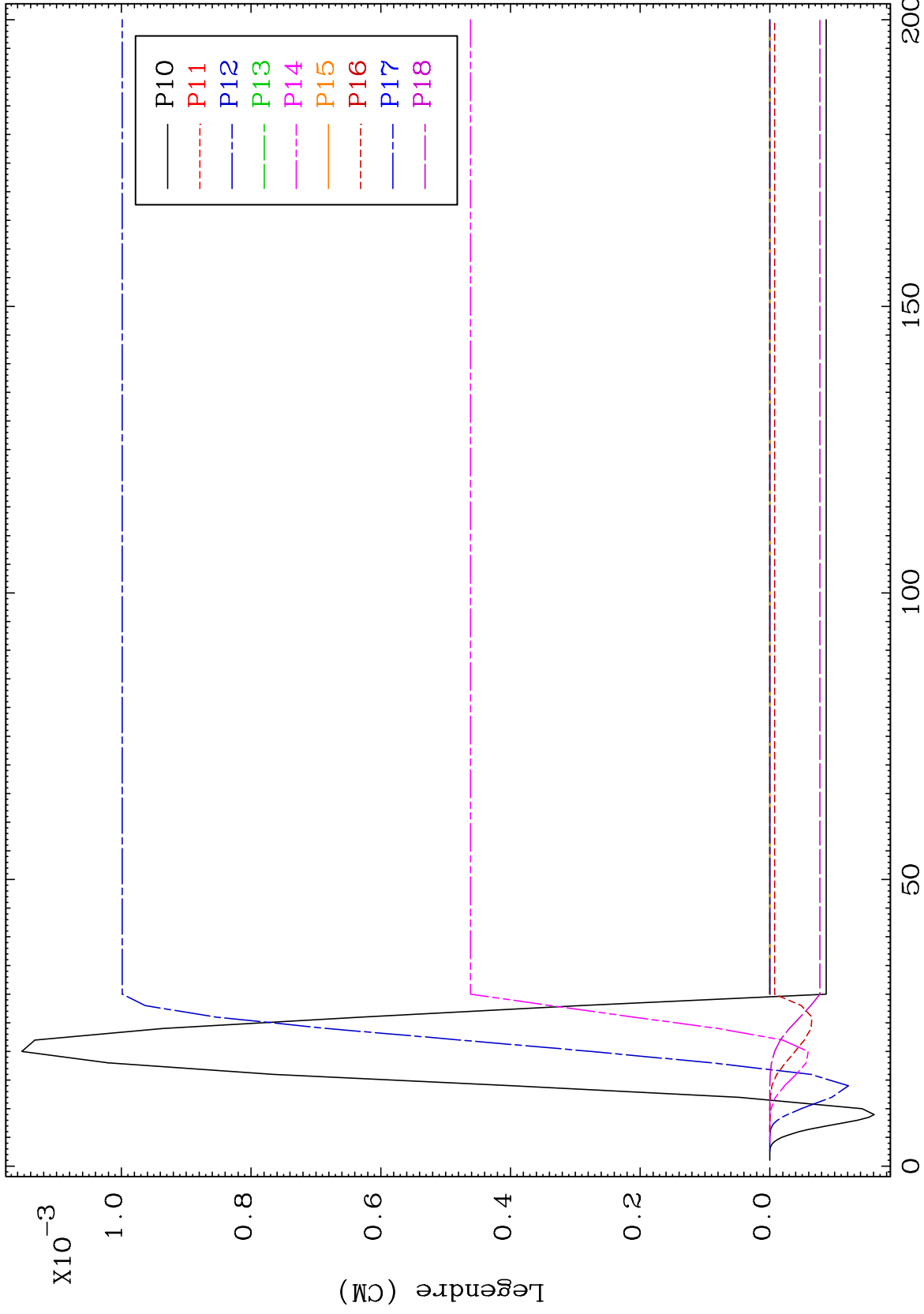




MAT 8101

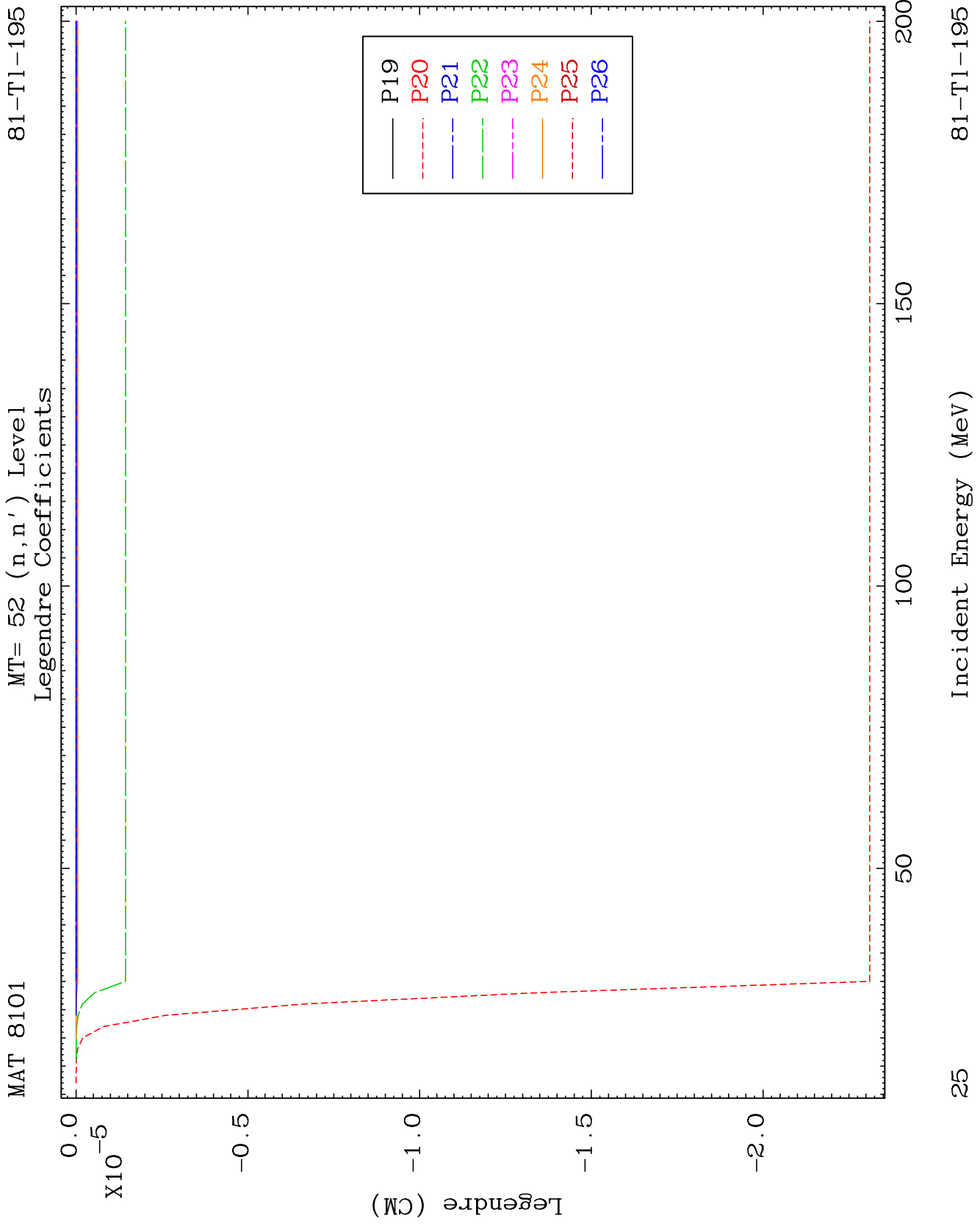
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Legendre Coefficients

81-T1-195



24

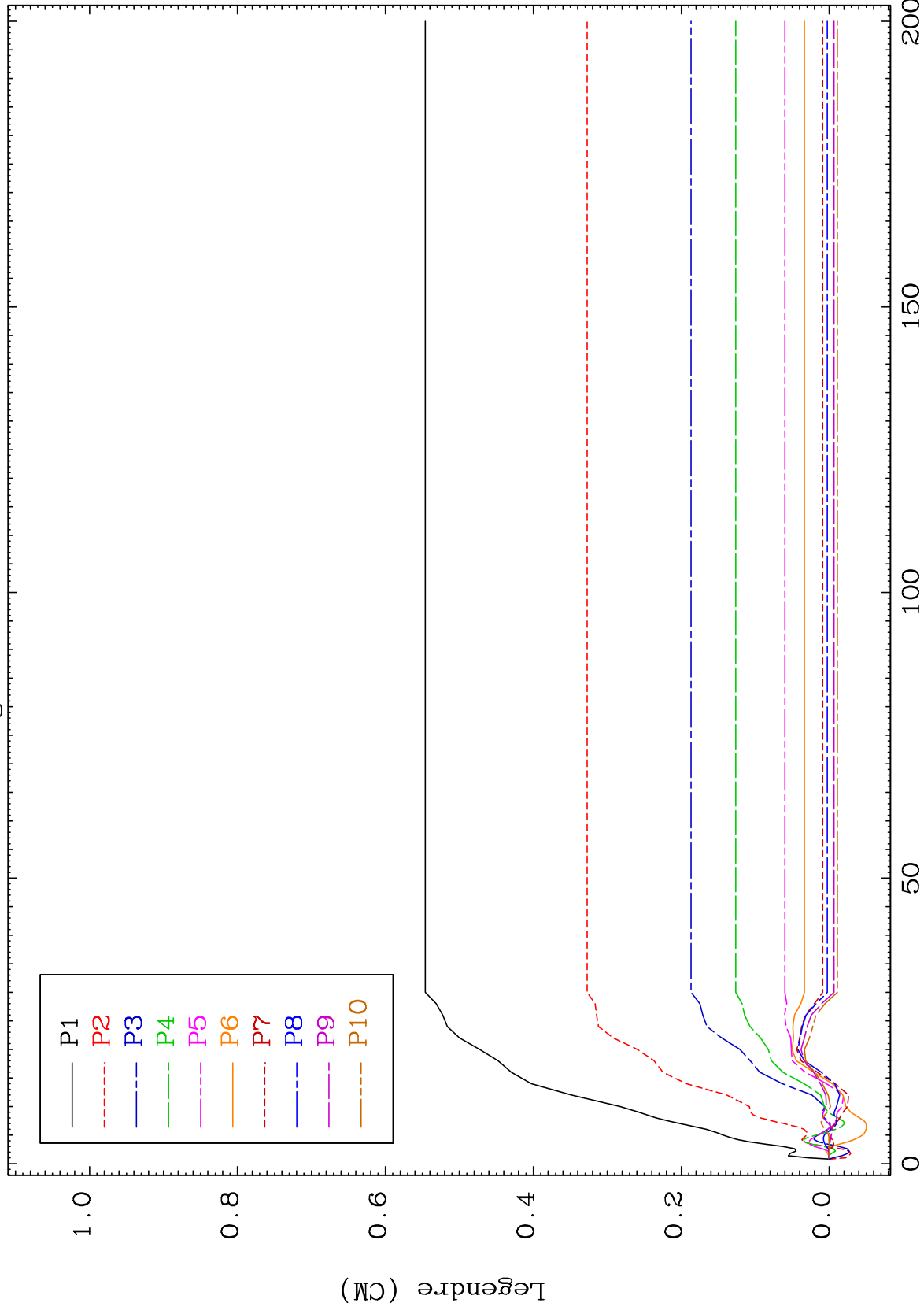
81-T1-195



MAT 8101

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

81-T1-195



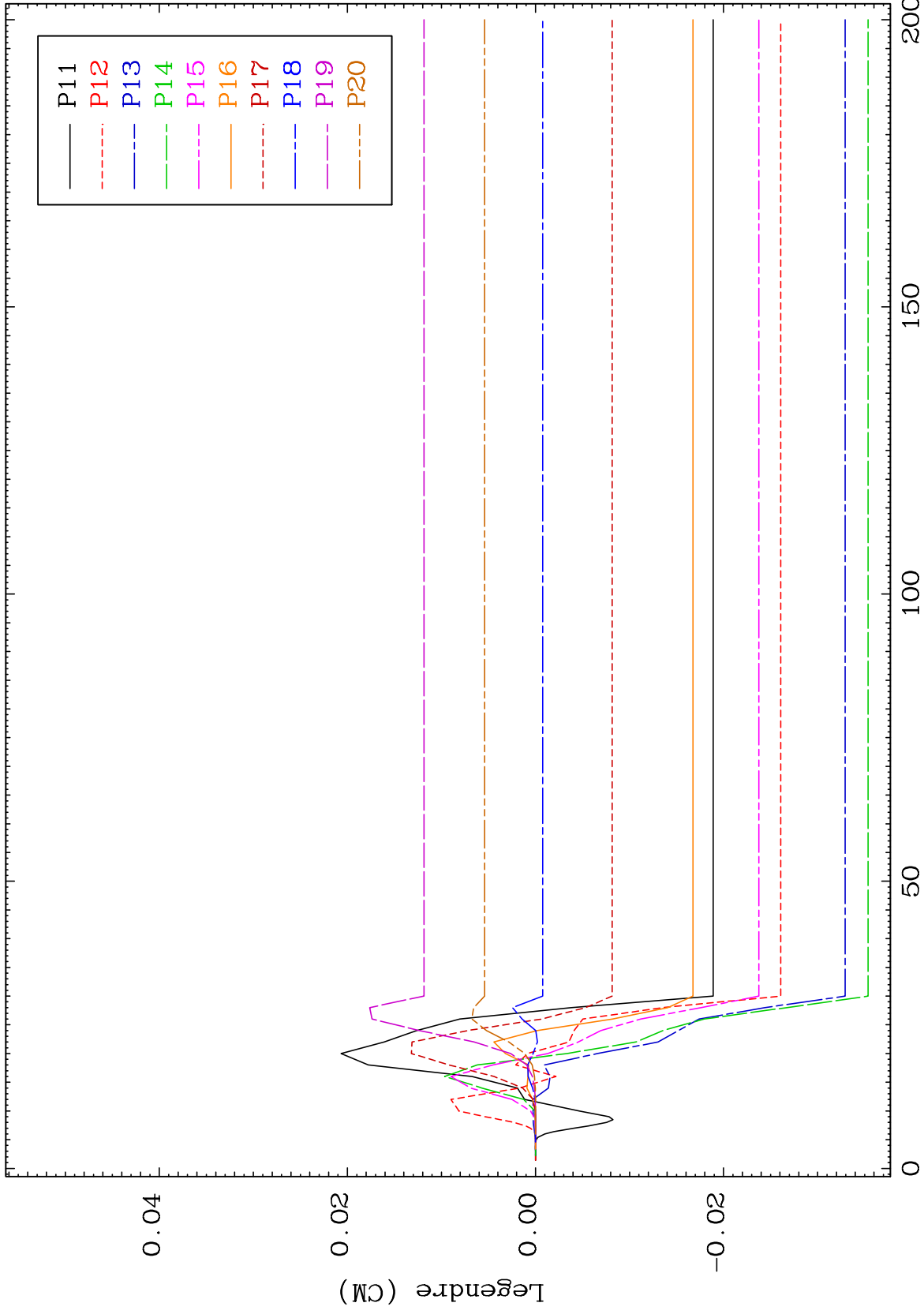
26

81-T1-195

MAT 8101

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

81-T1-195



27

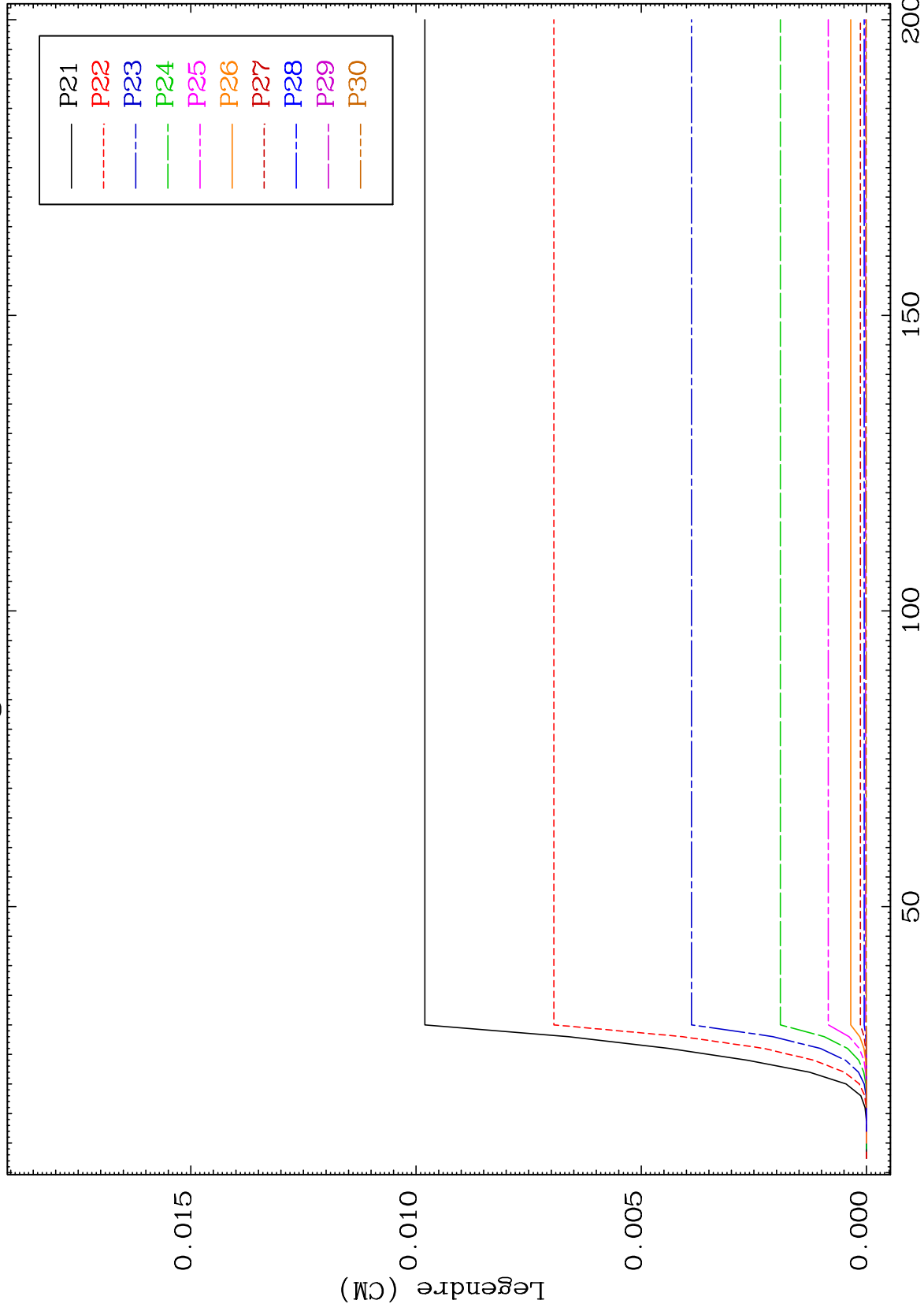
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



28

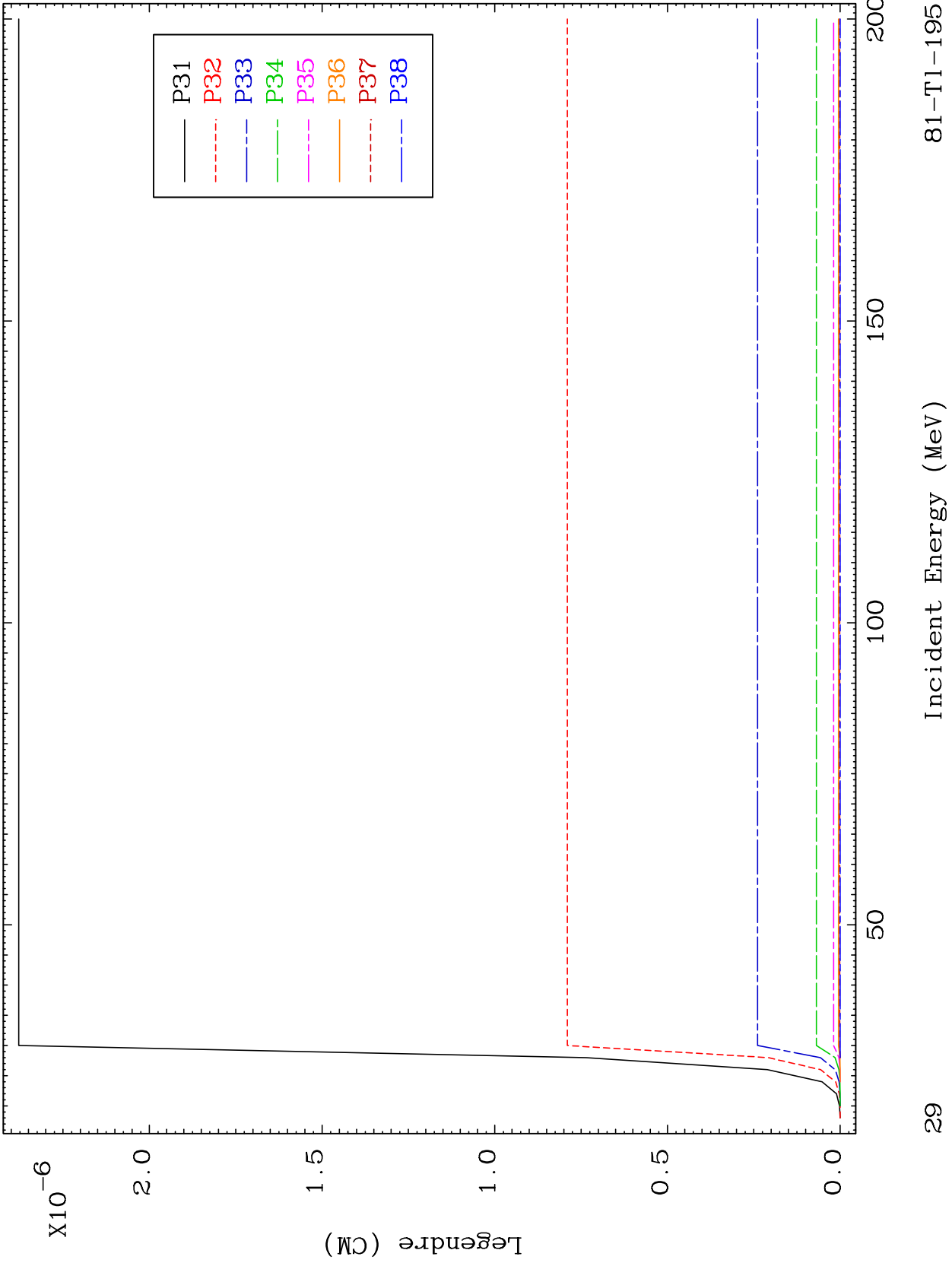
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



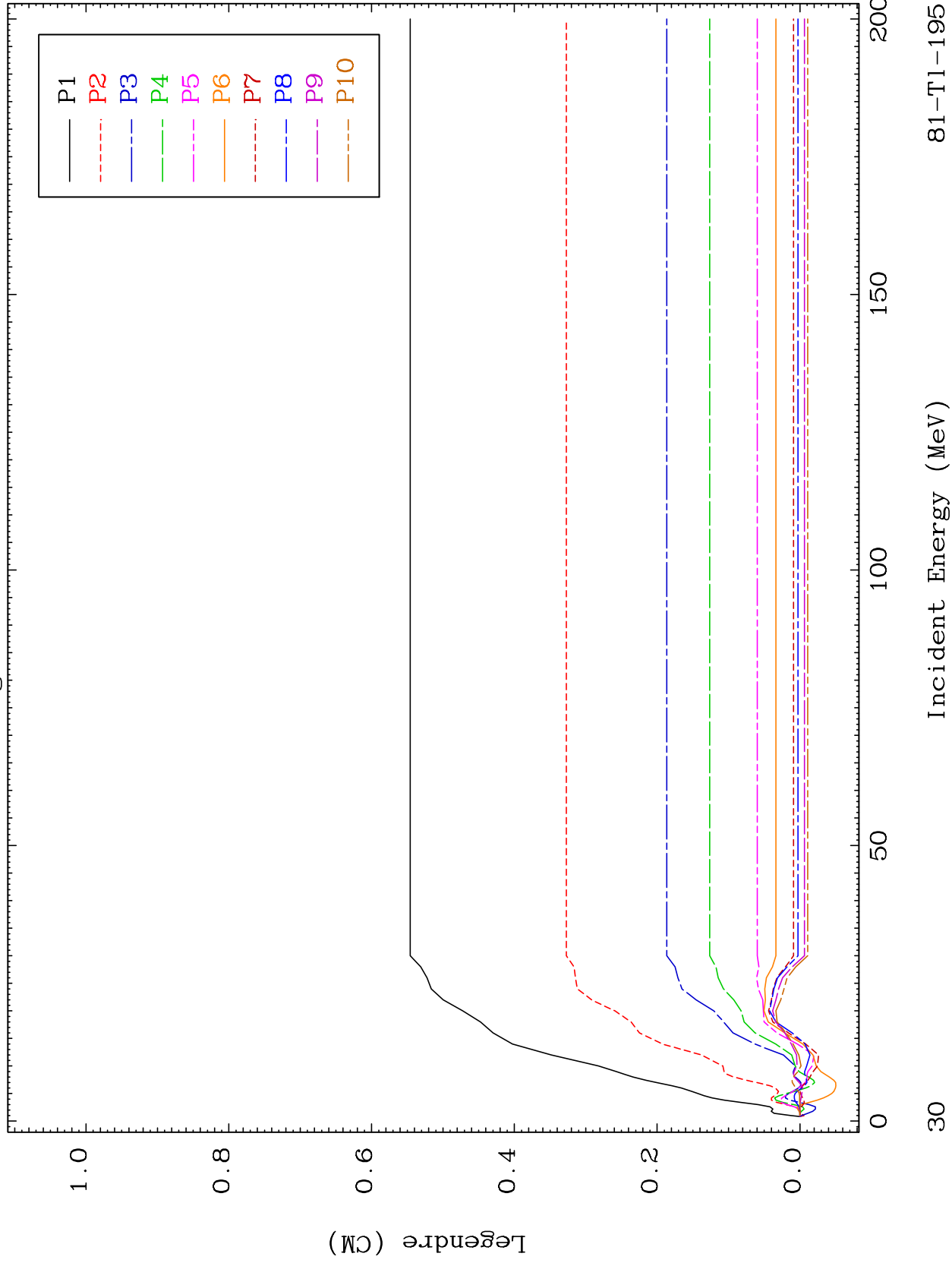
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81-T1-195

MAT 8101

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

81-T1-195

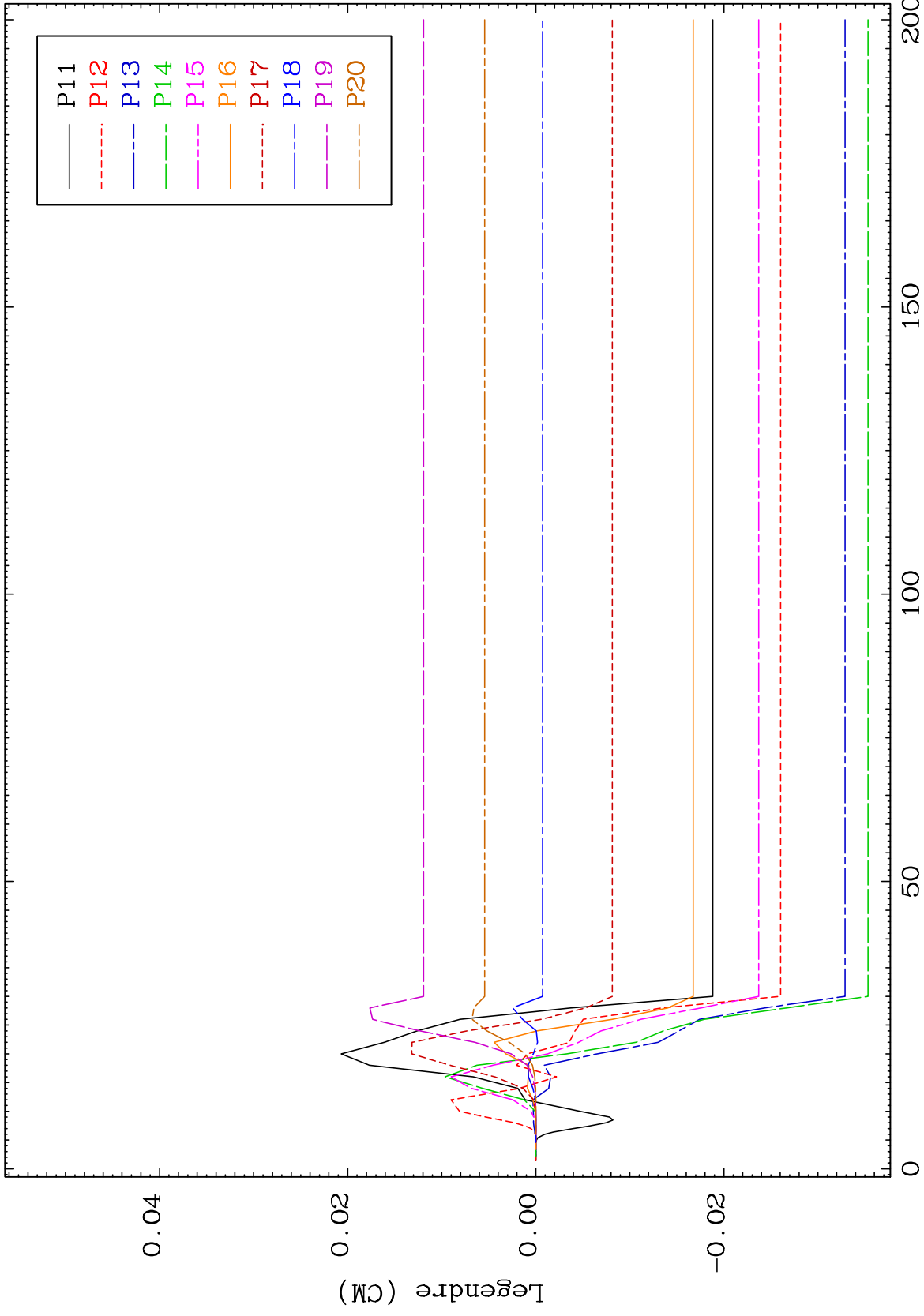


81-T1-195

MAT 8101

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

81-T1-195



31

Incident Energy (MeV)

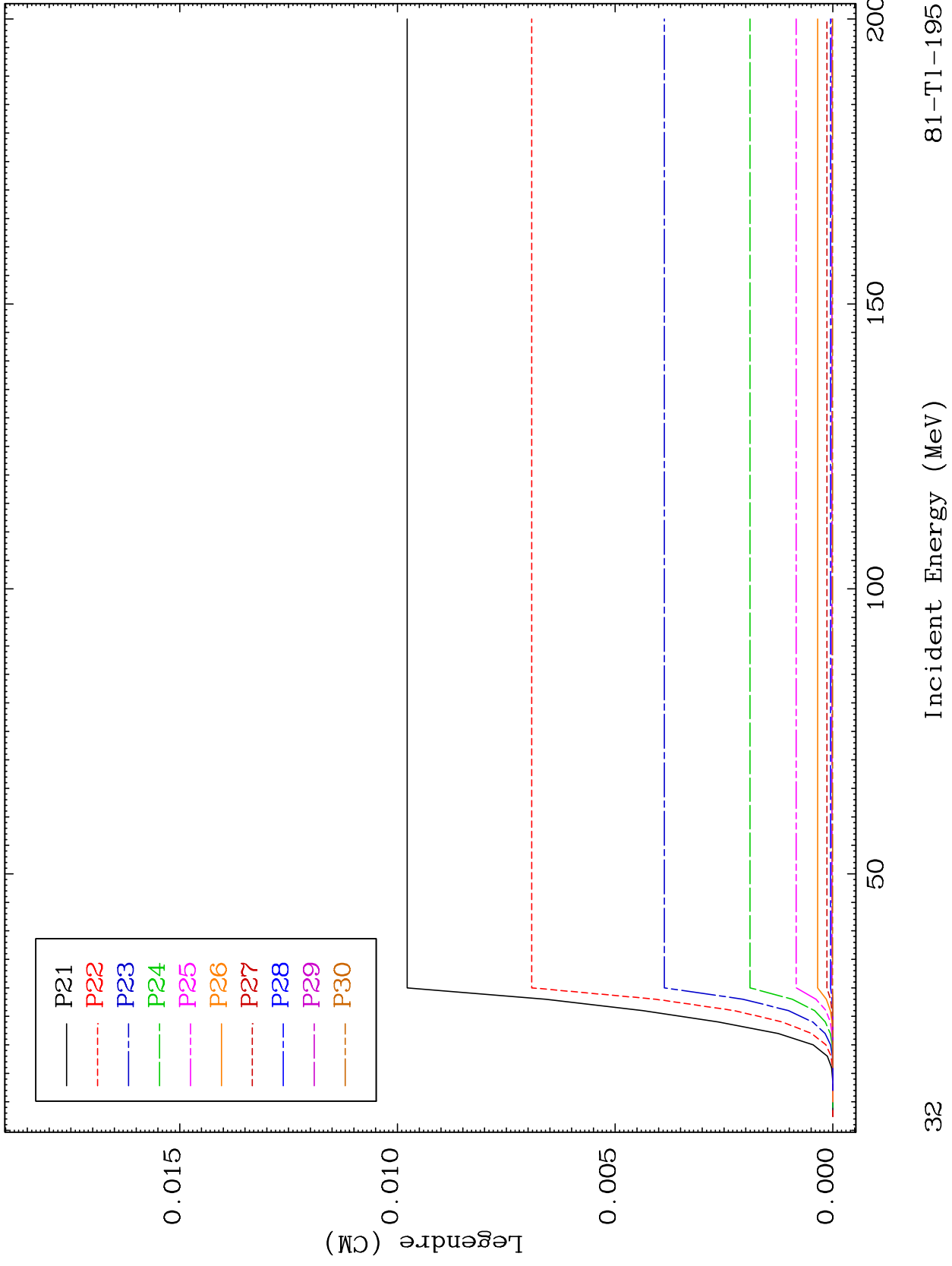
81-T1-195



MAT 8101

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

81-Tl-195



32

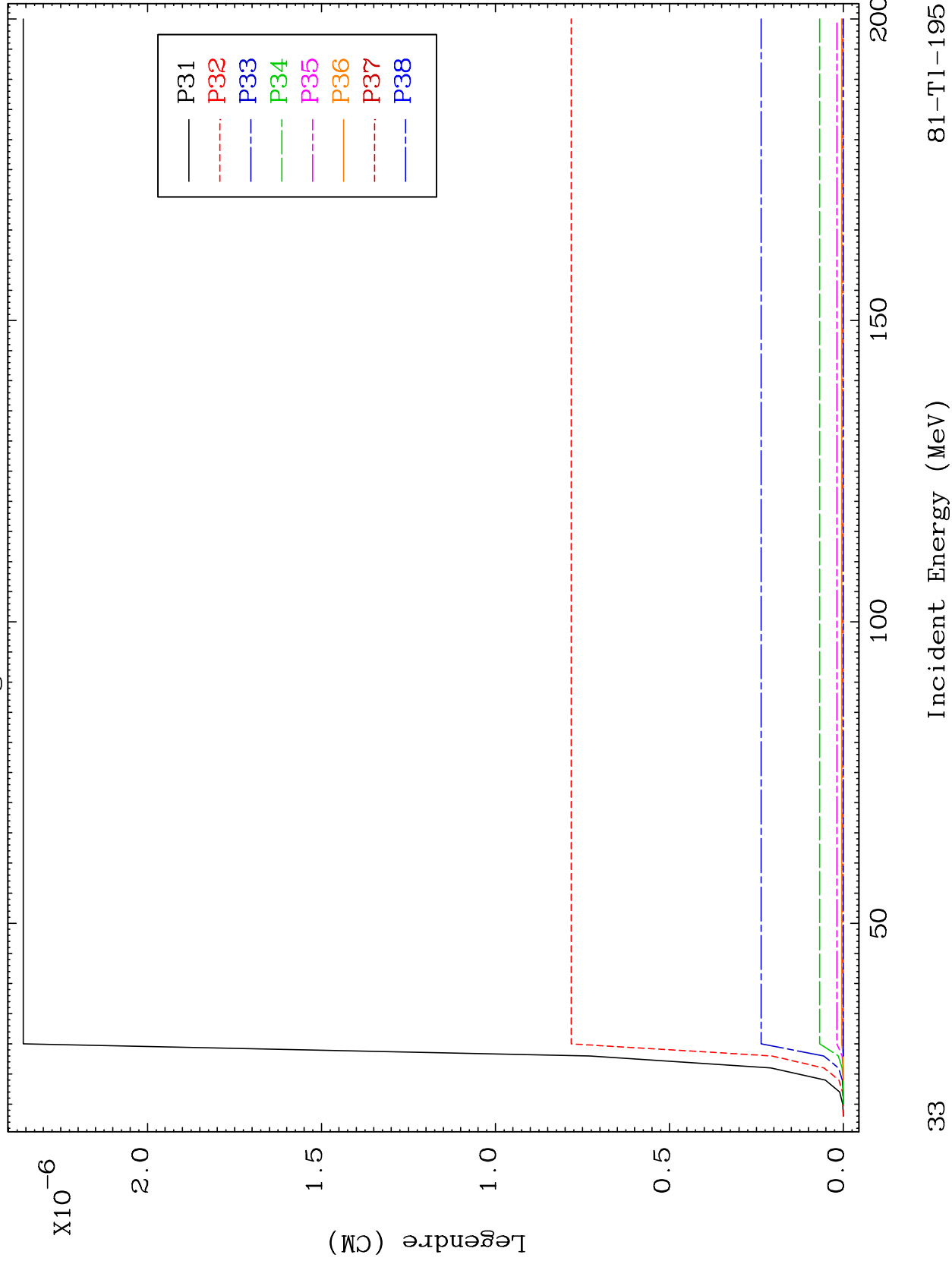
Incident Energy (MeV)

81-Tl-195

MAT 8101

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

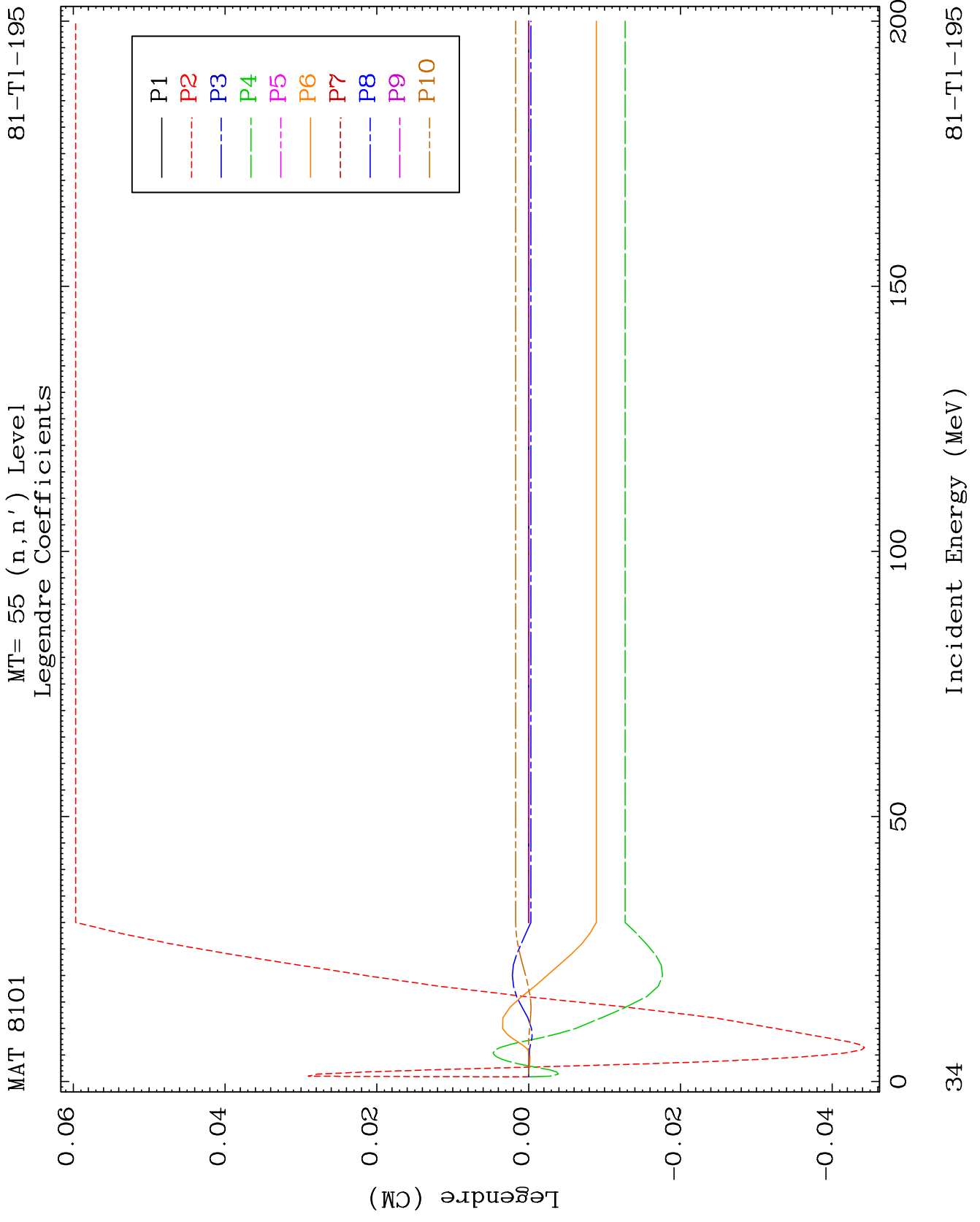
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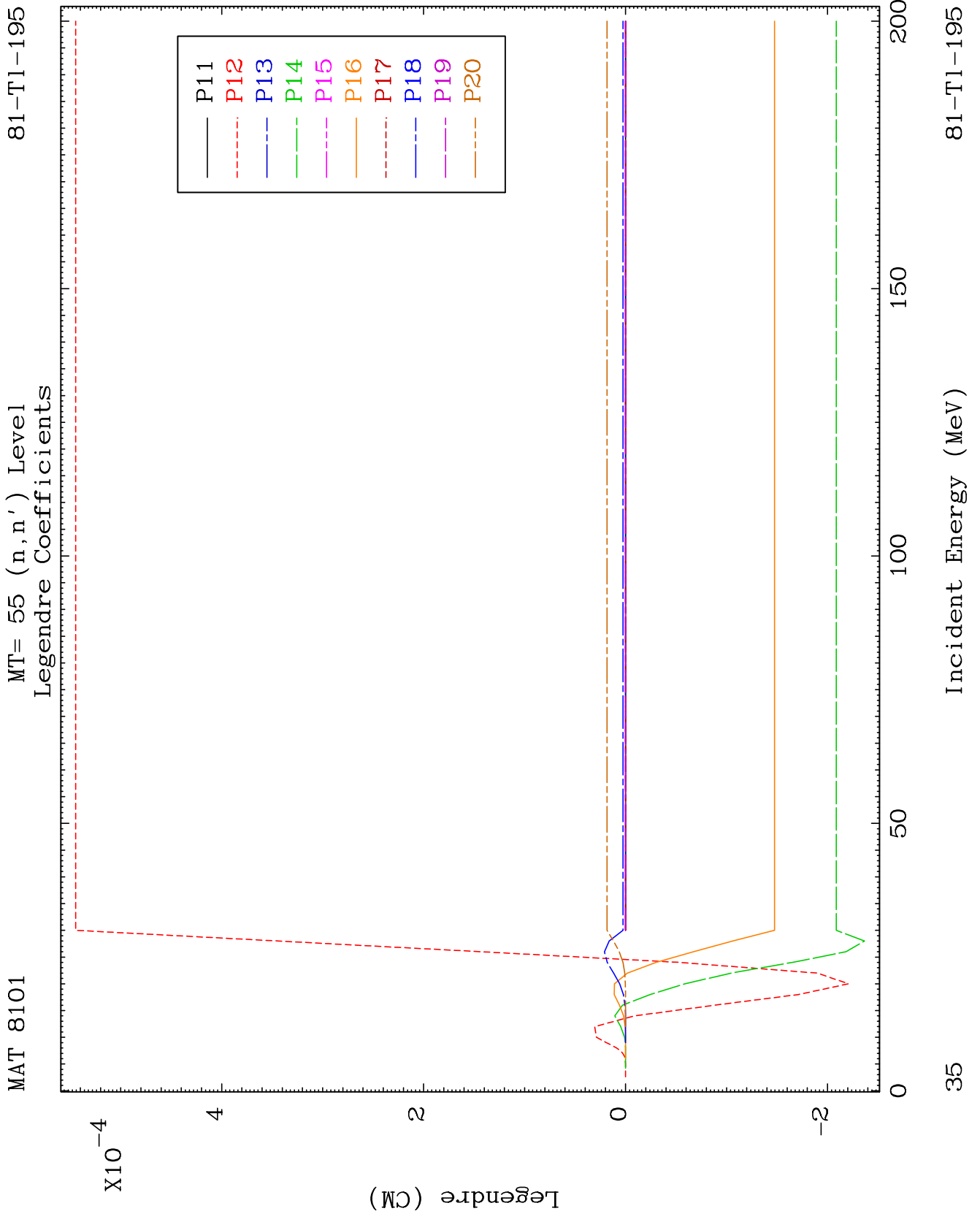


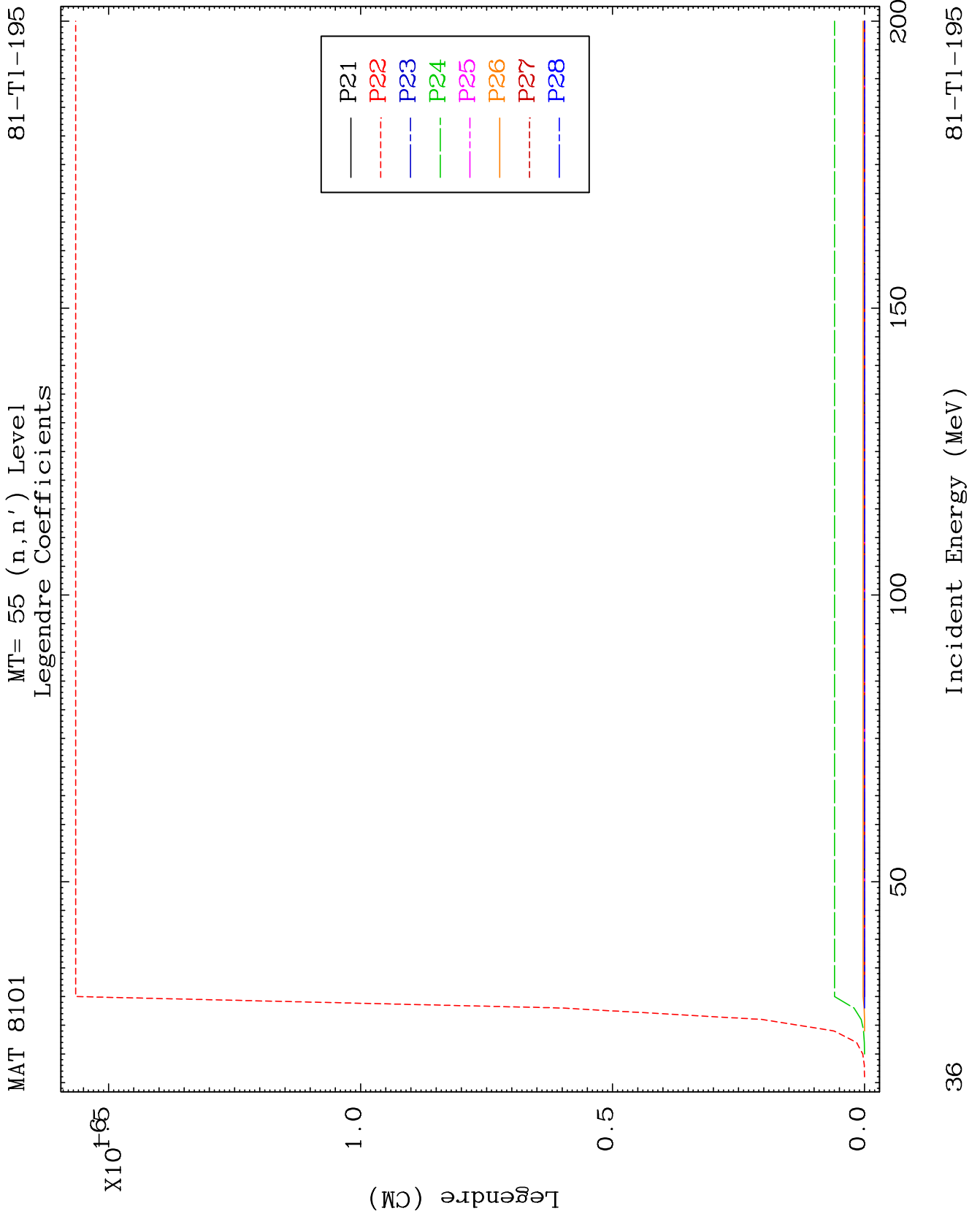
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Incident Energy (MeV)

81-T1-195



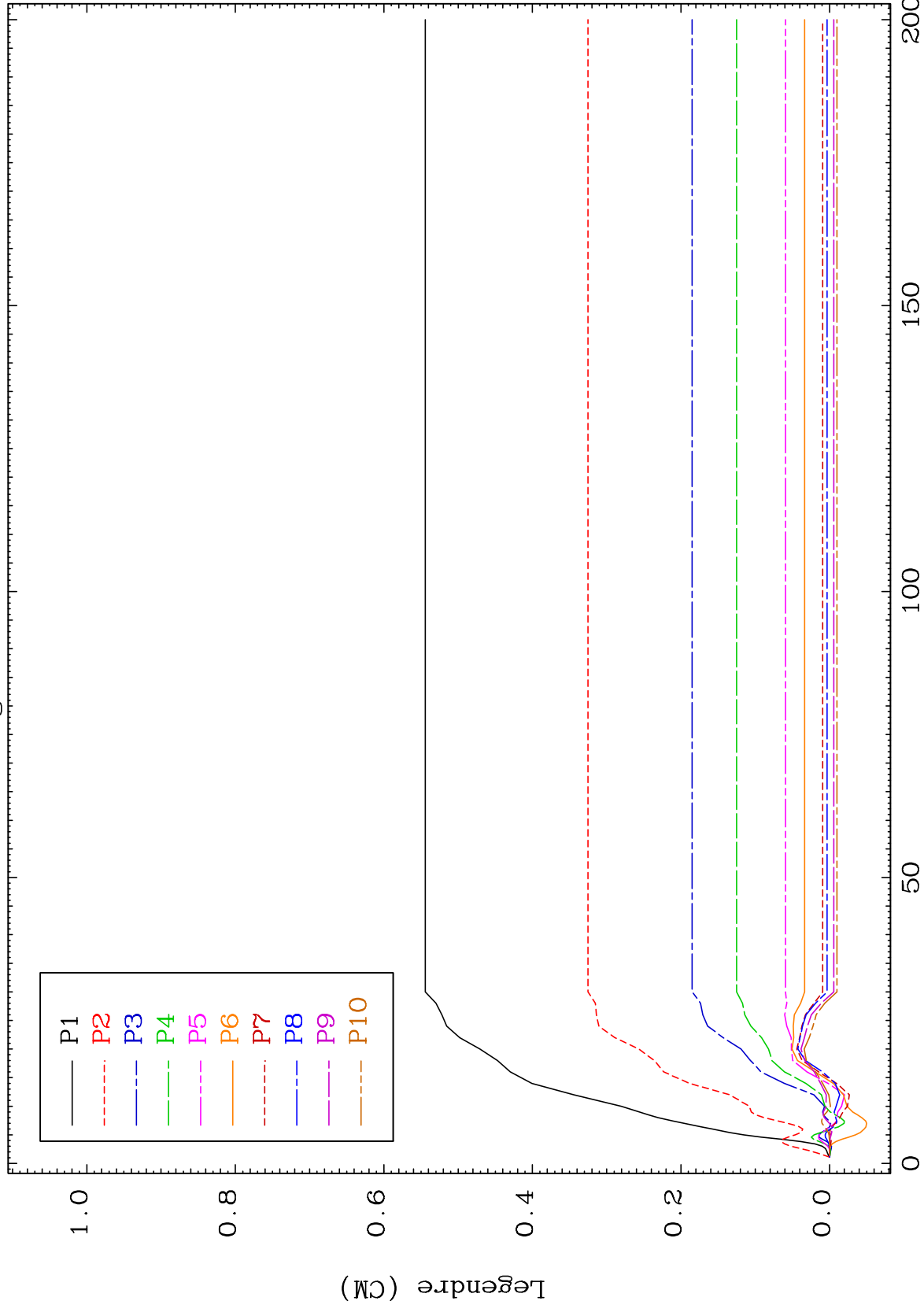




MAT 8101

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

81-T1-195



37

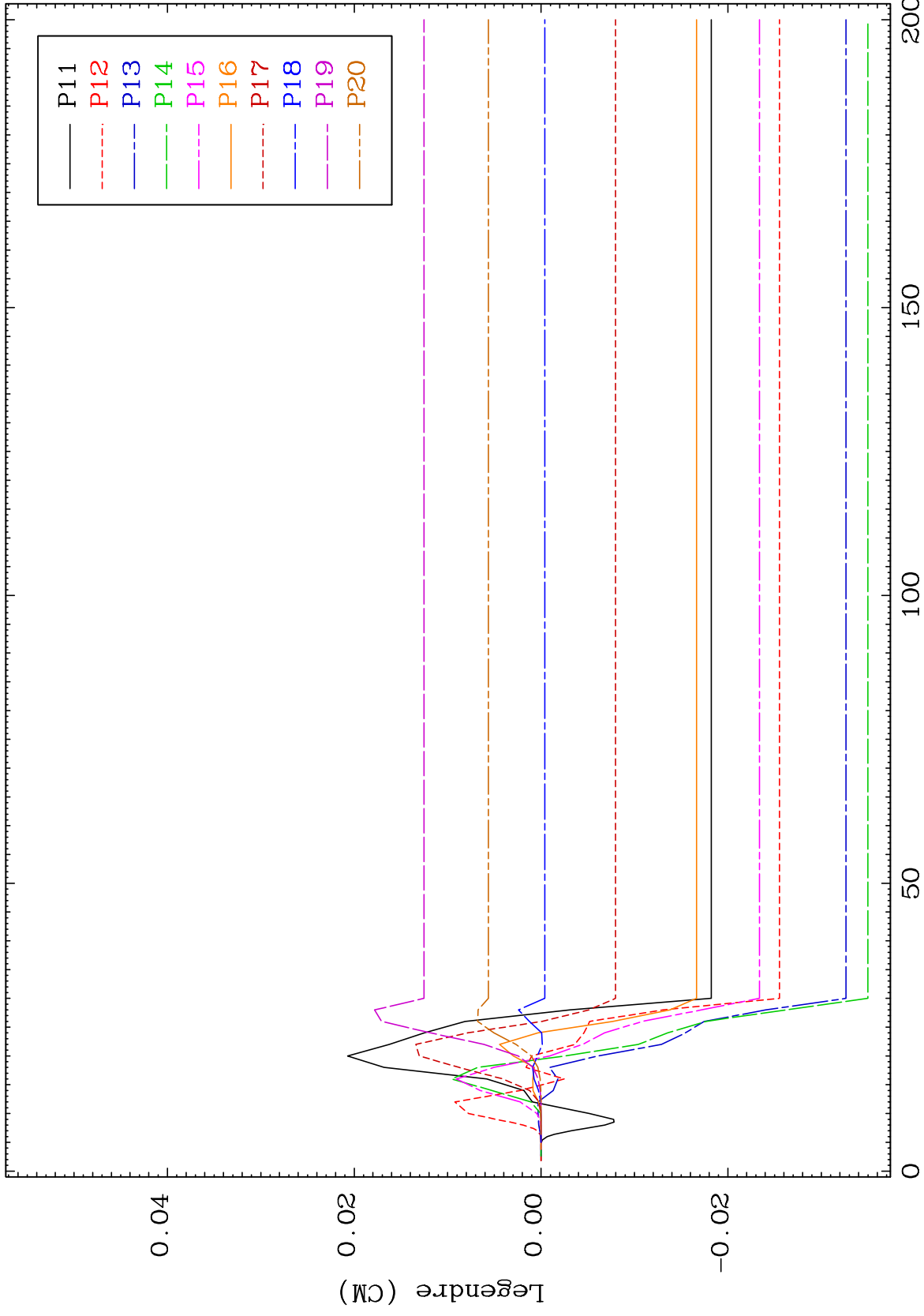
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



38

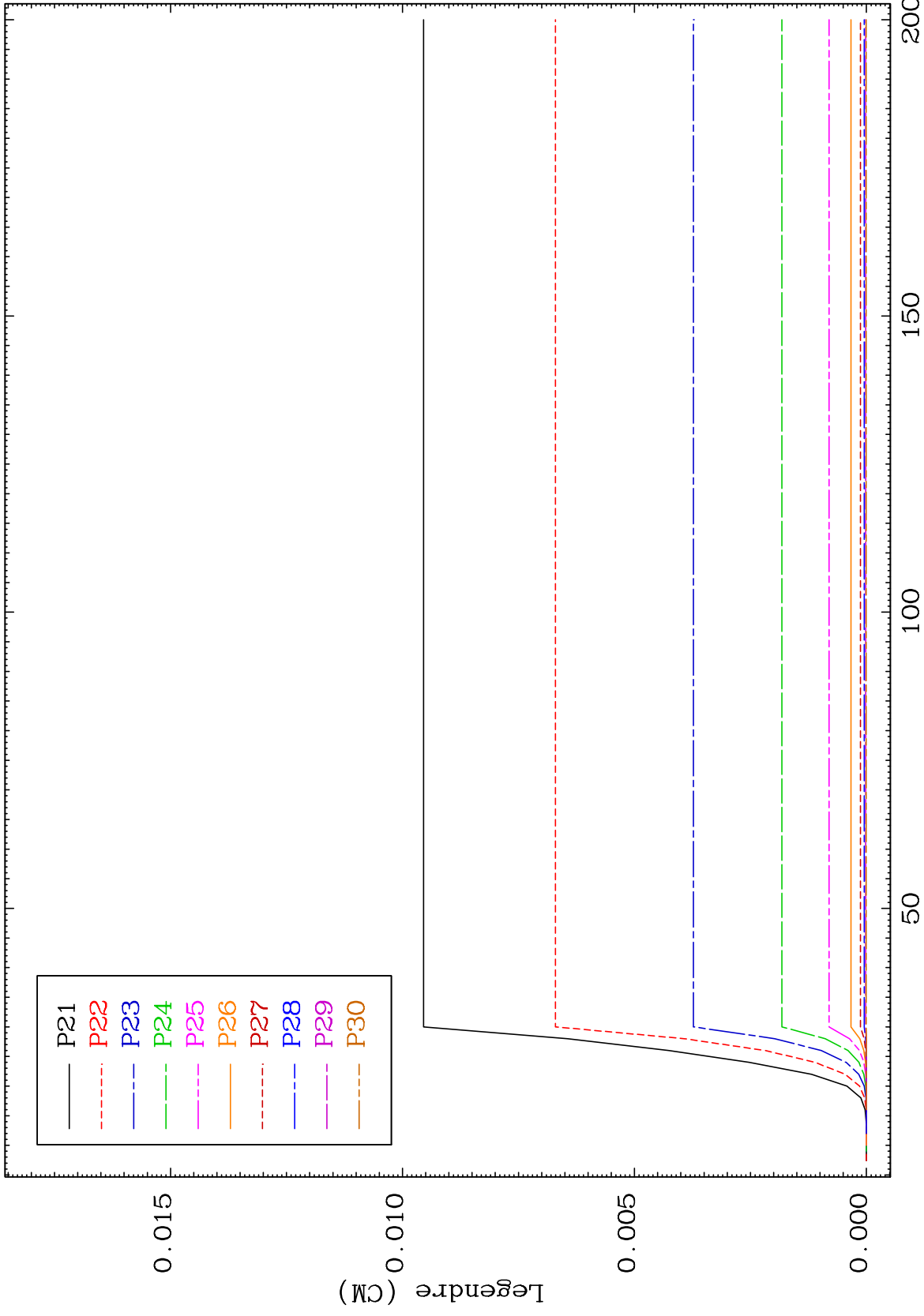
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



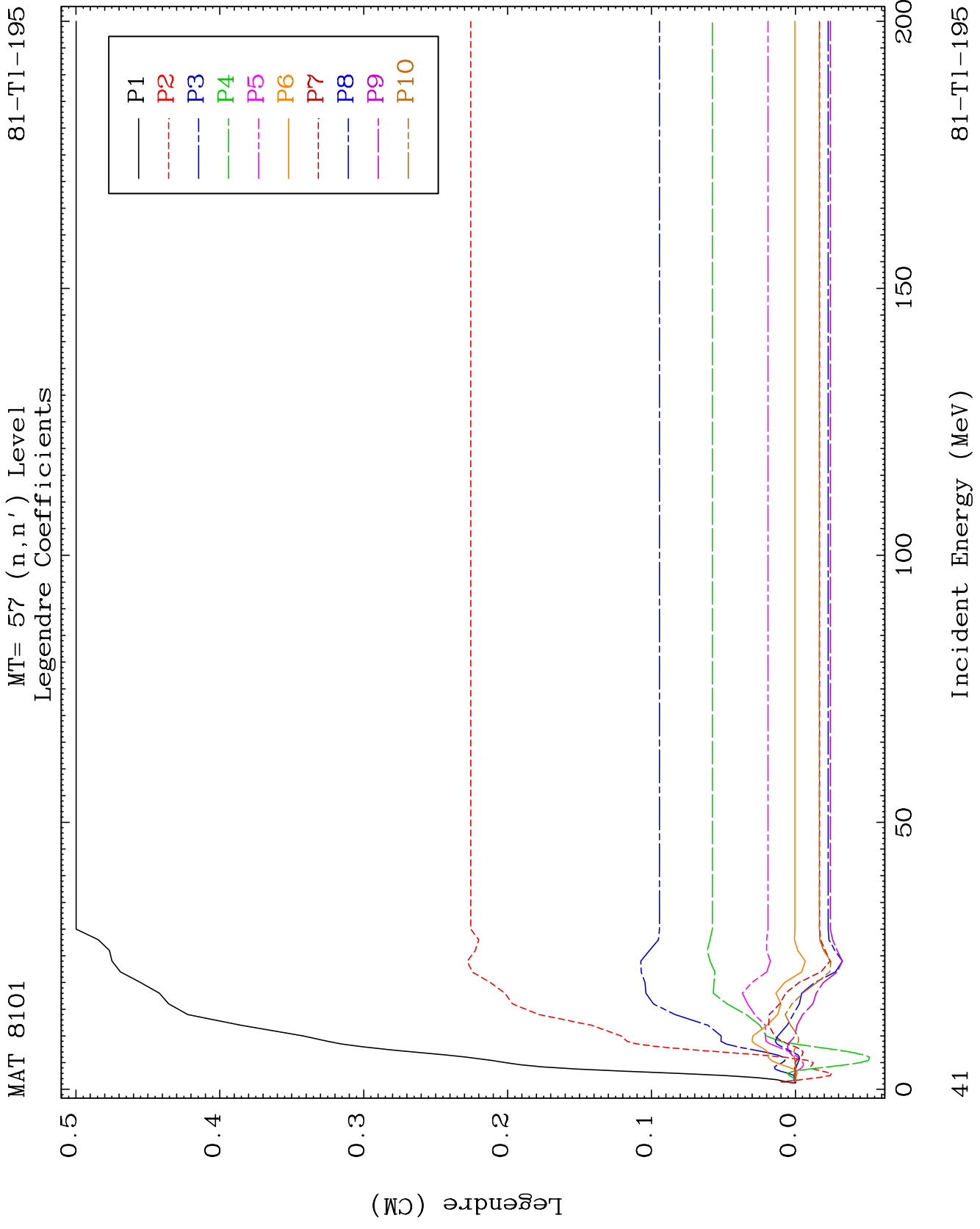
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Incident Energy (MeV)

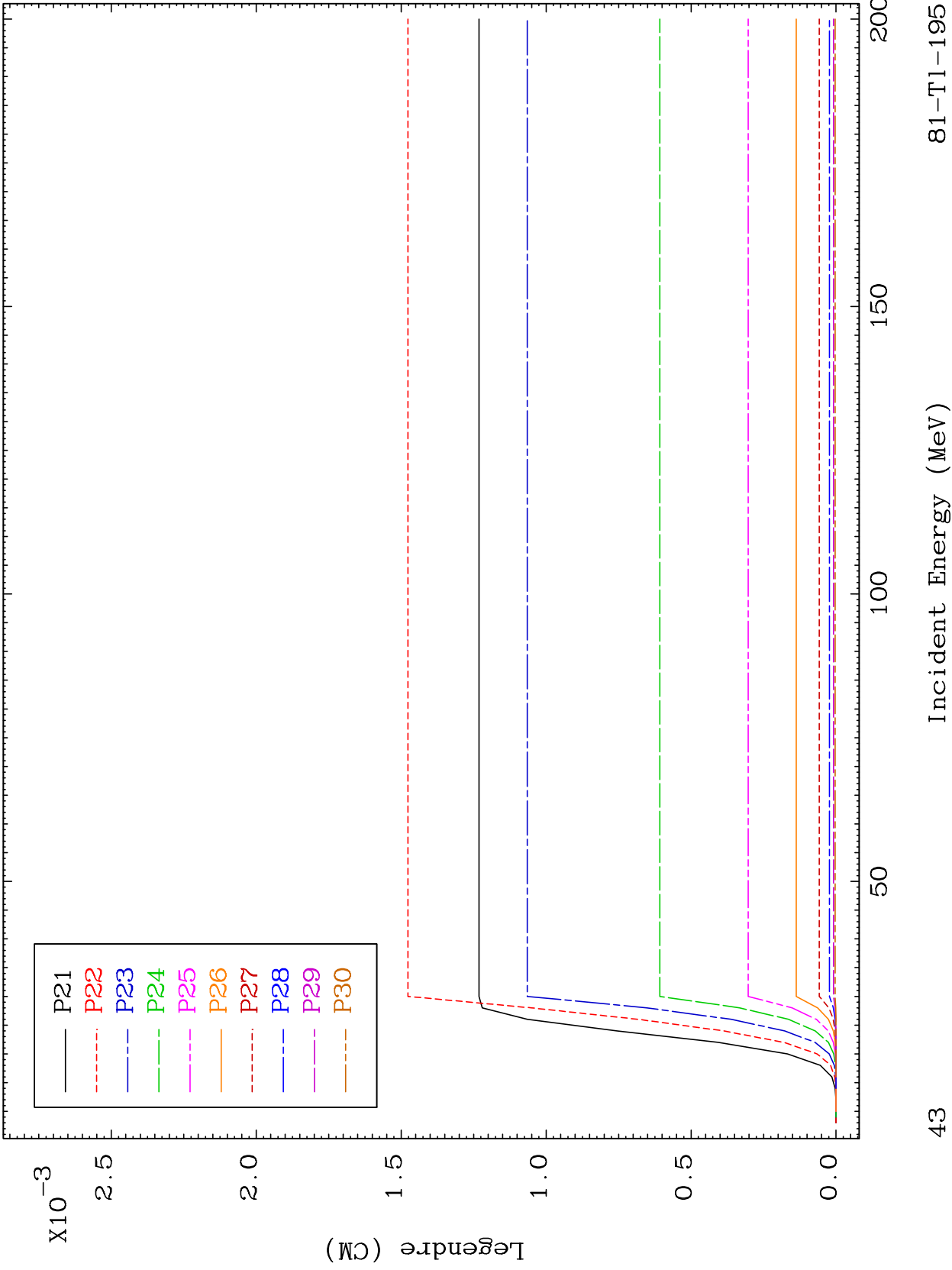
81-T1-195







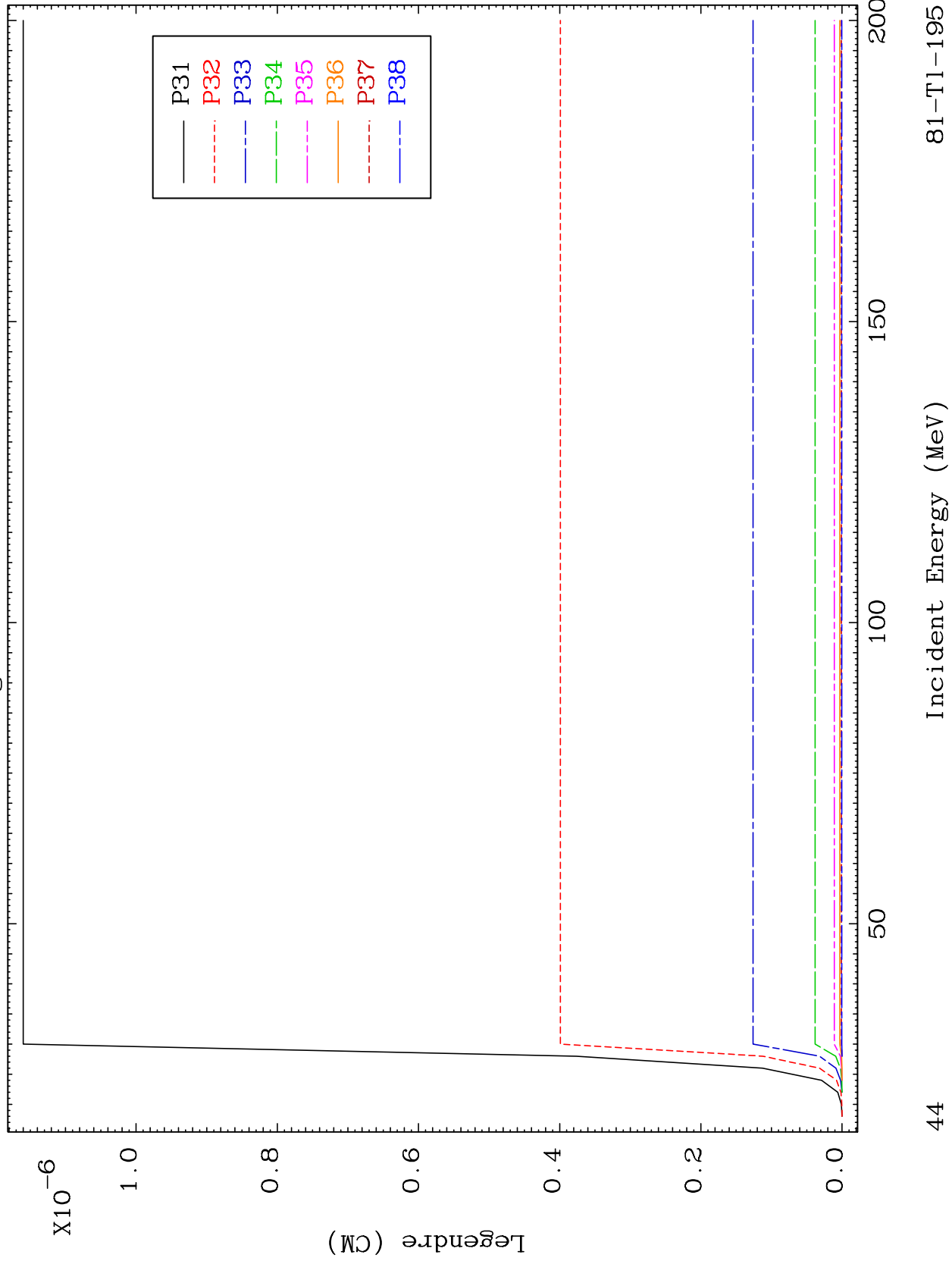




MAT 8101

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

81-T1-195



44

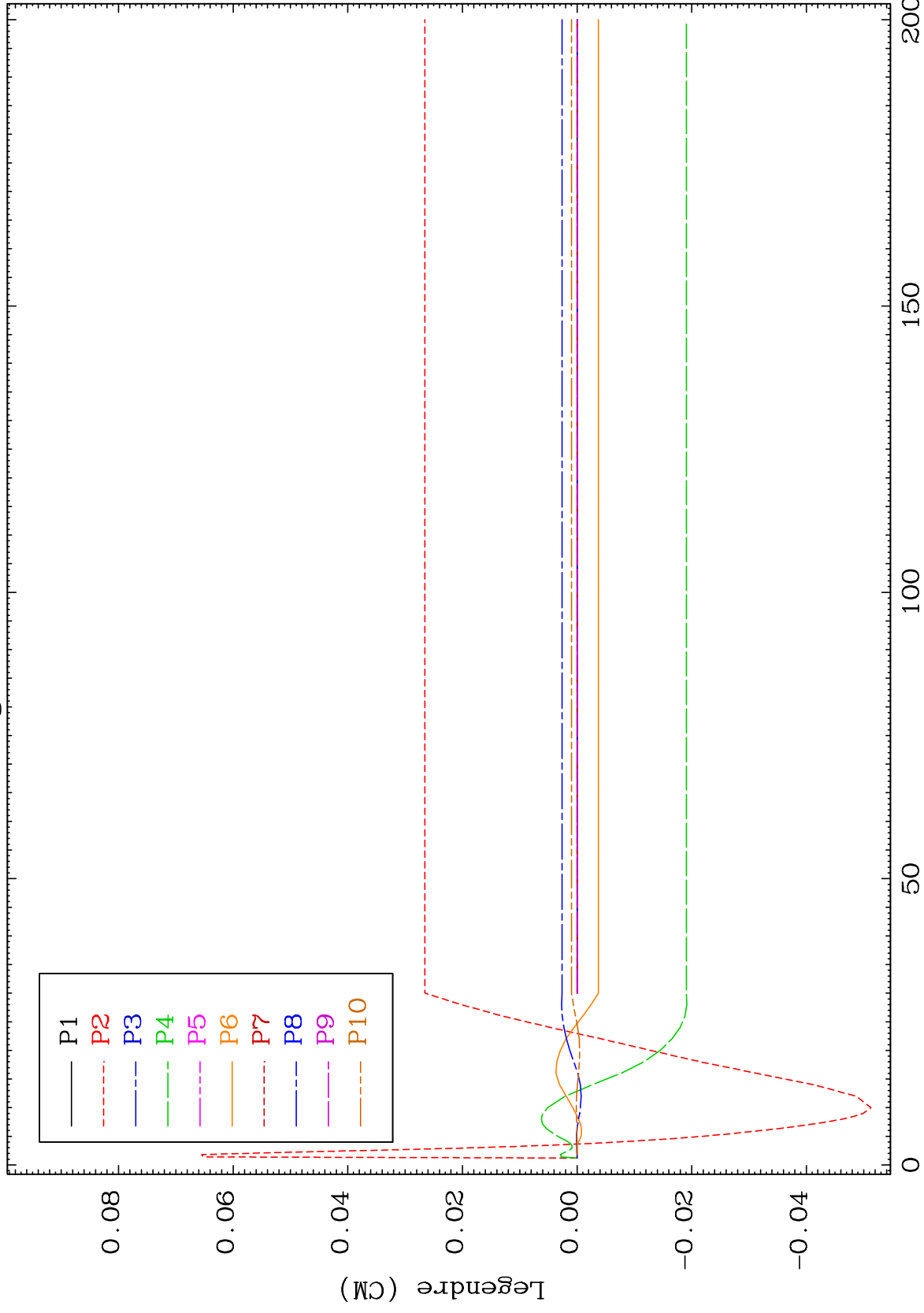
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



45

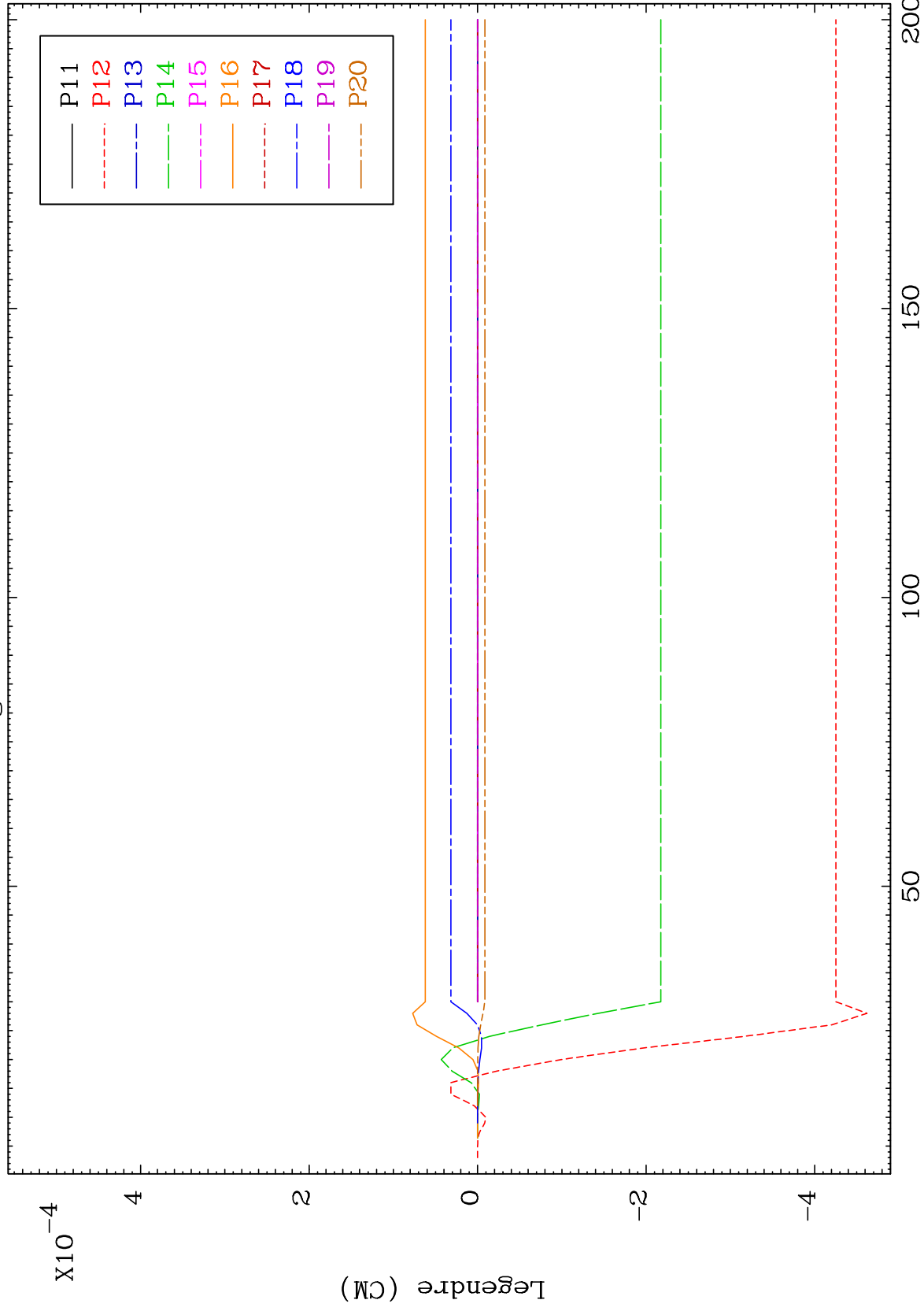
Incident Energy (MeV)

81-T1-195

MAT 8101

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

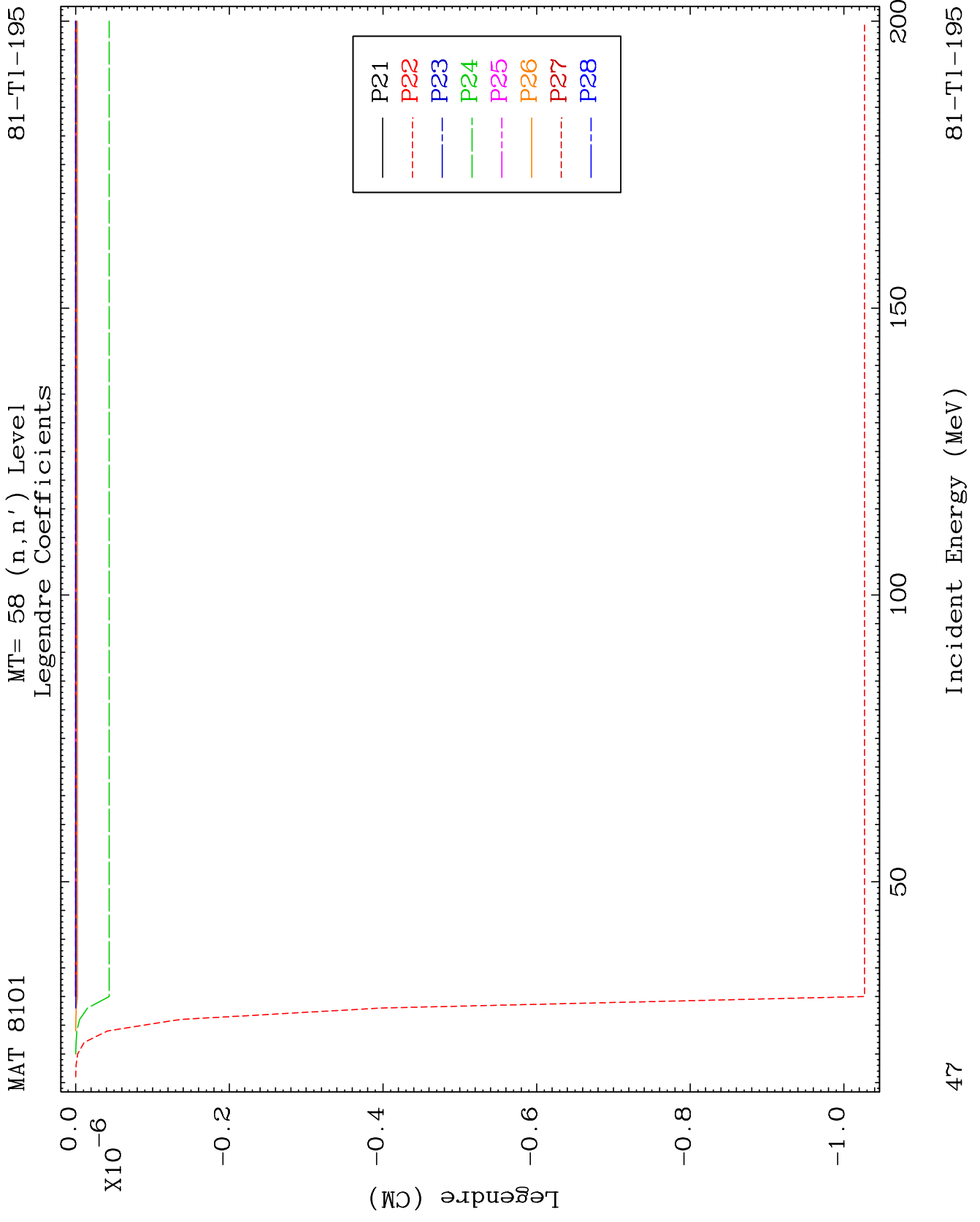
81-T1-195



46

Incident Energy (MeV)

81-T1-195

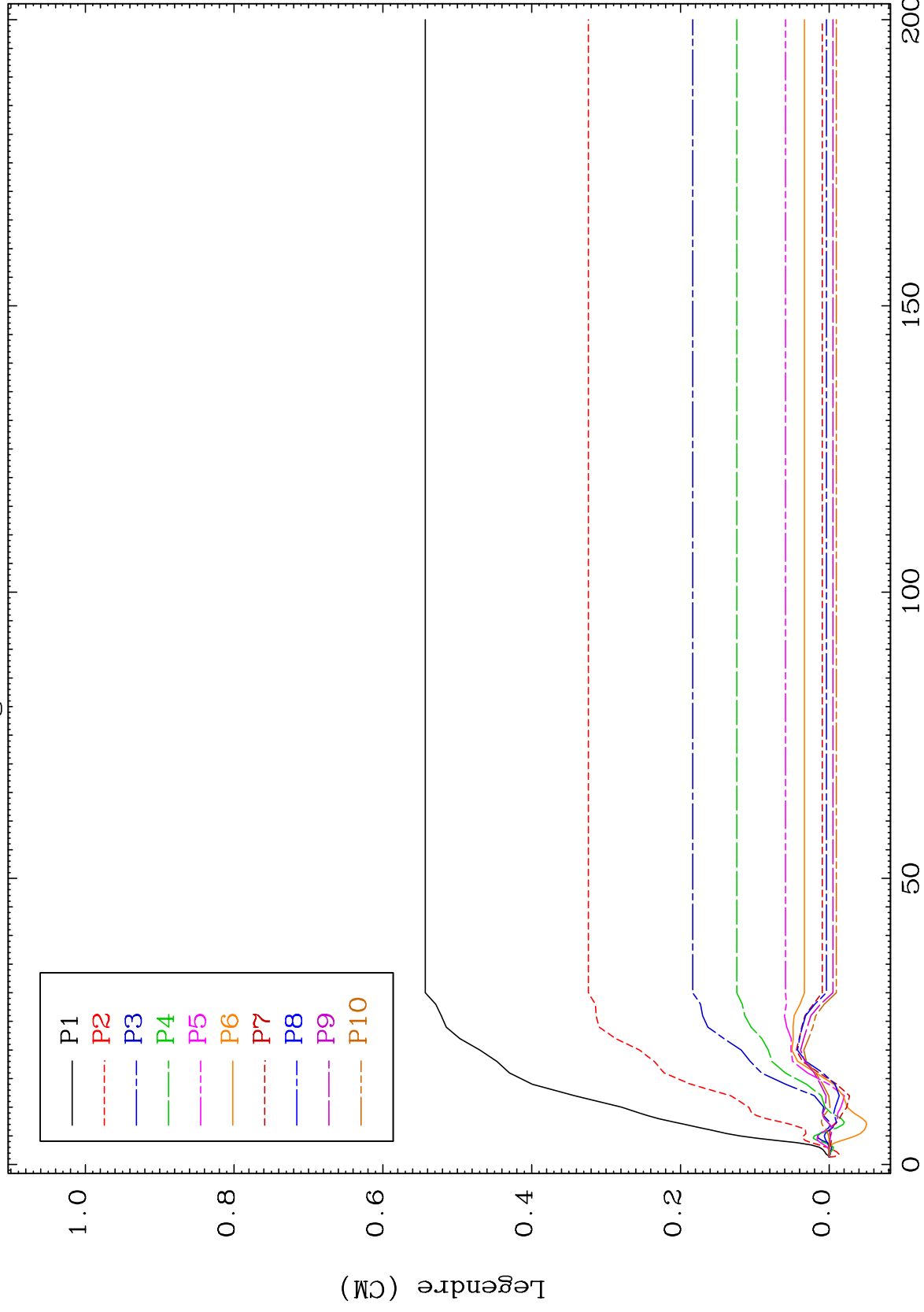




MAT 8101

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

81-T1-195



48

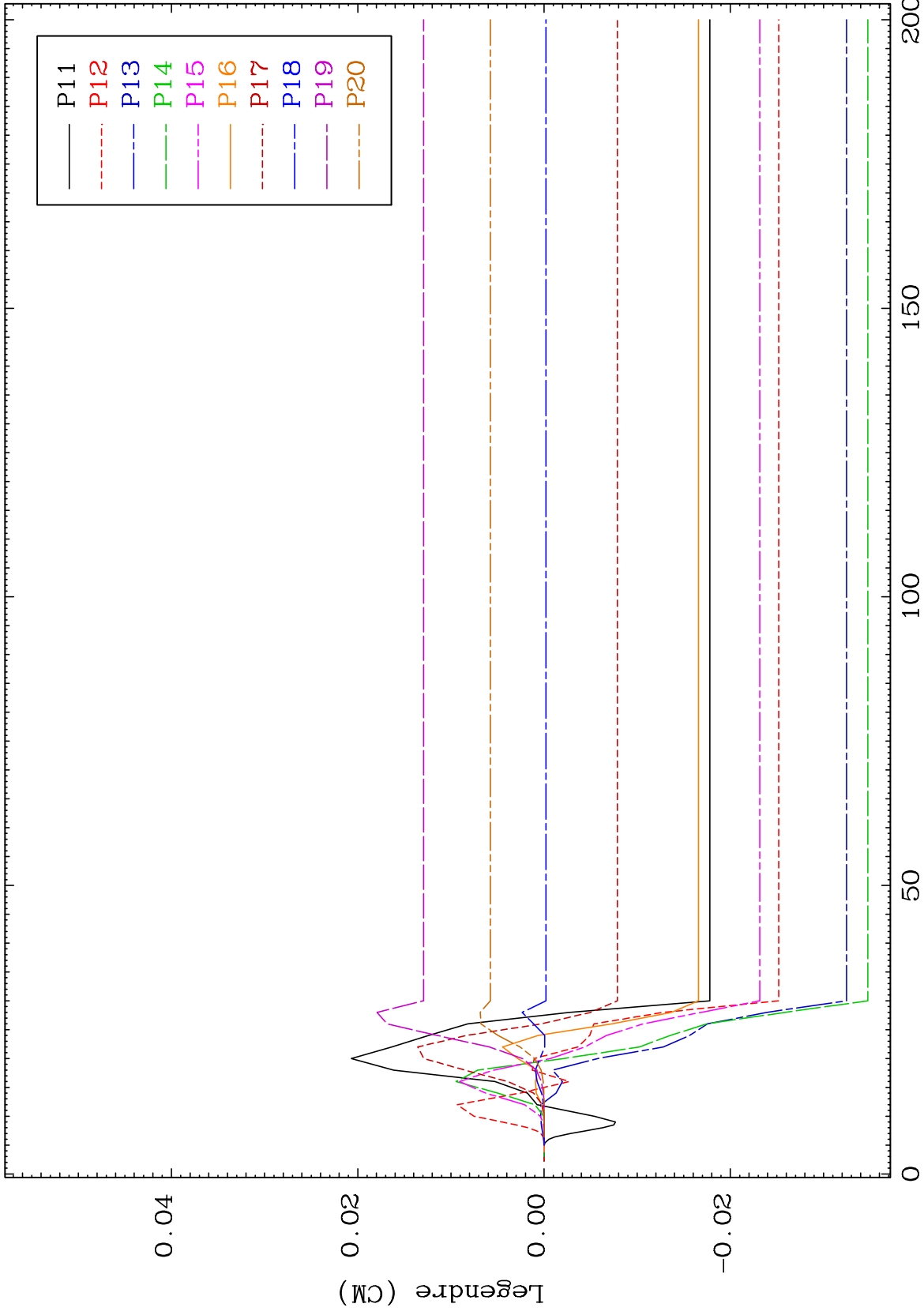
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



49

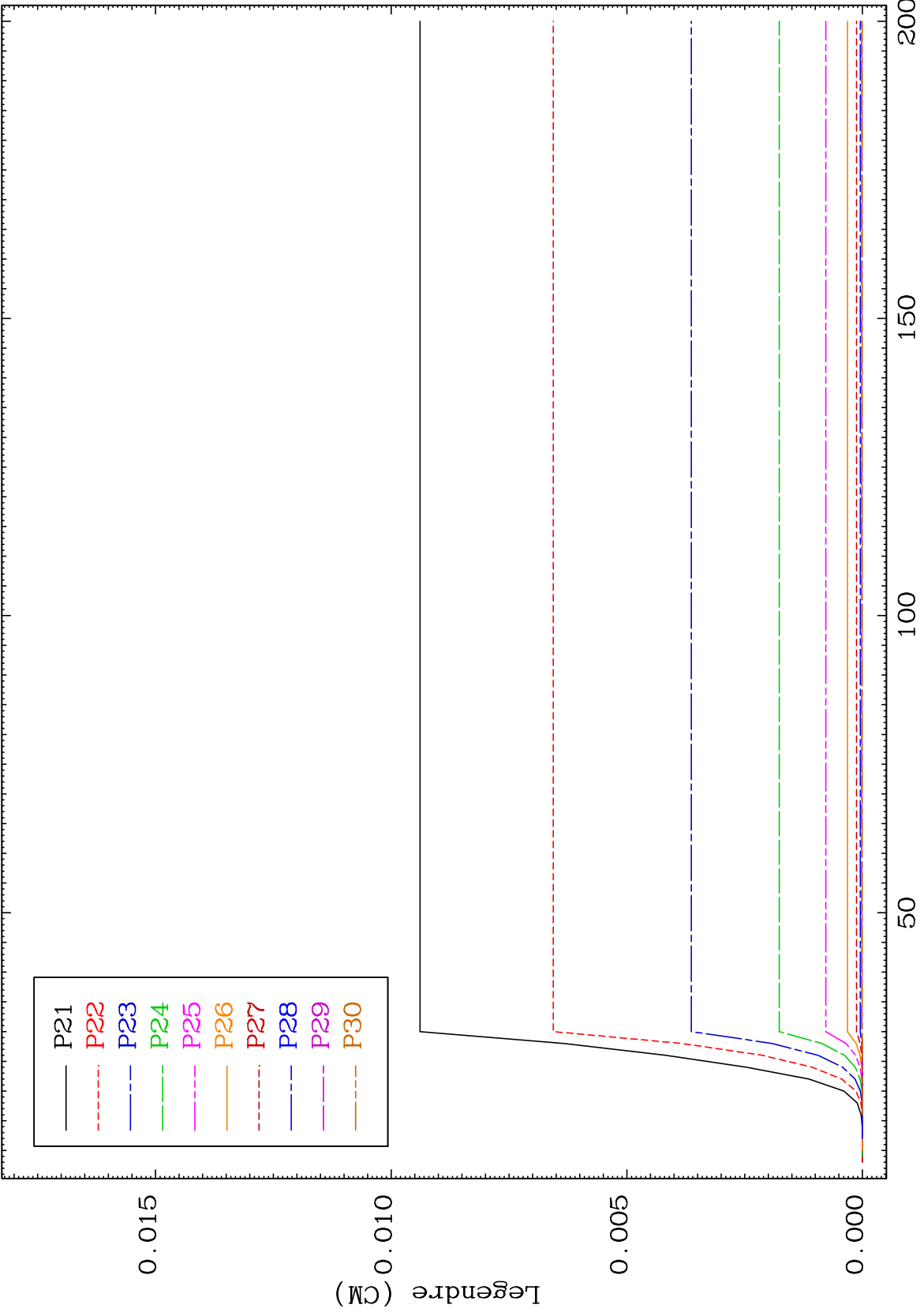
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



50

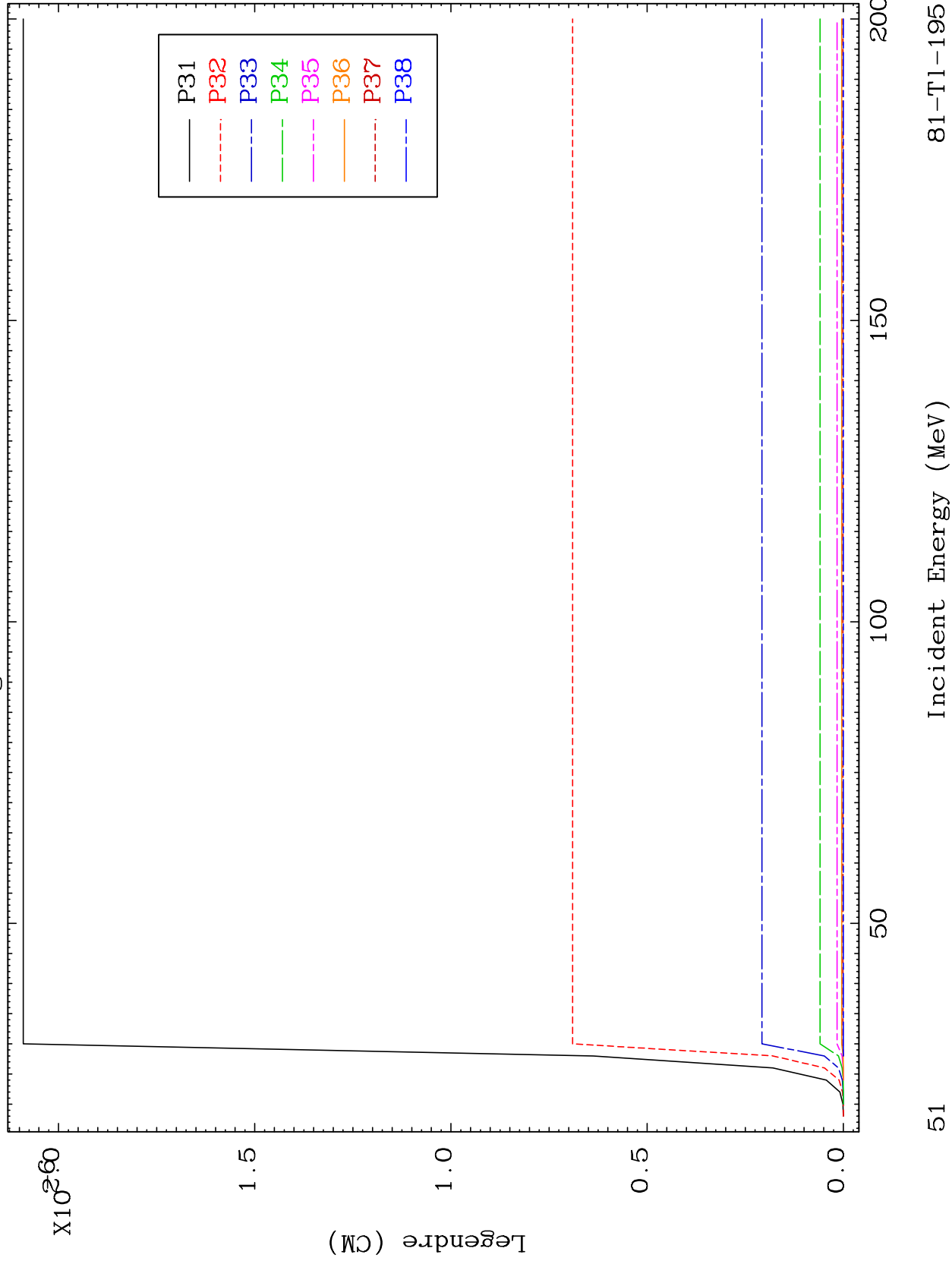
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



51

Incident Energy (MeV)

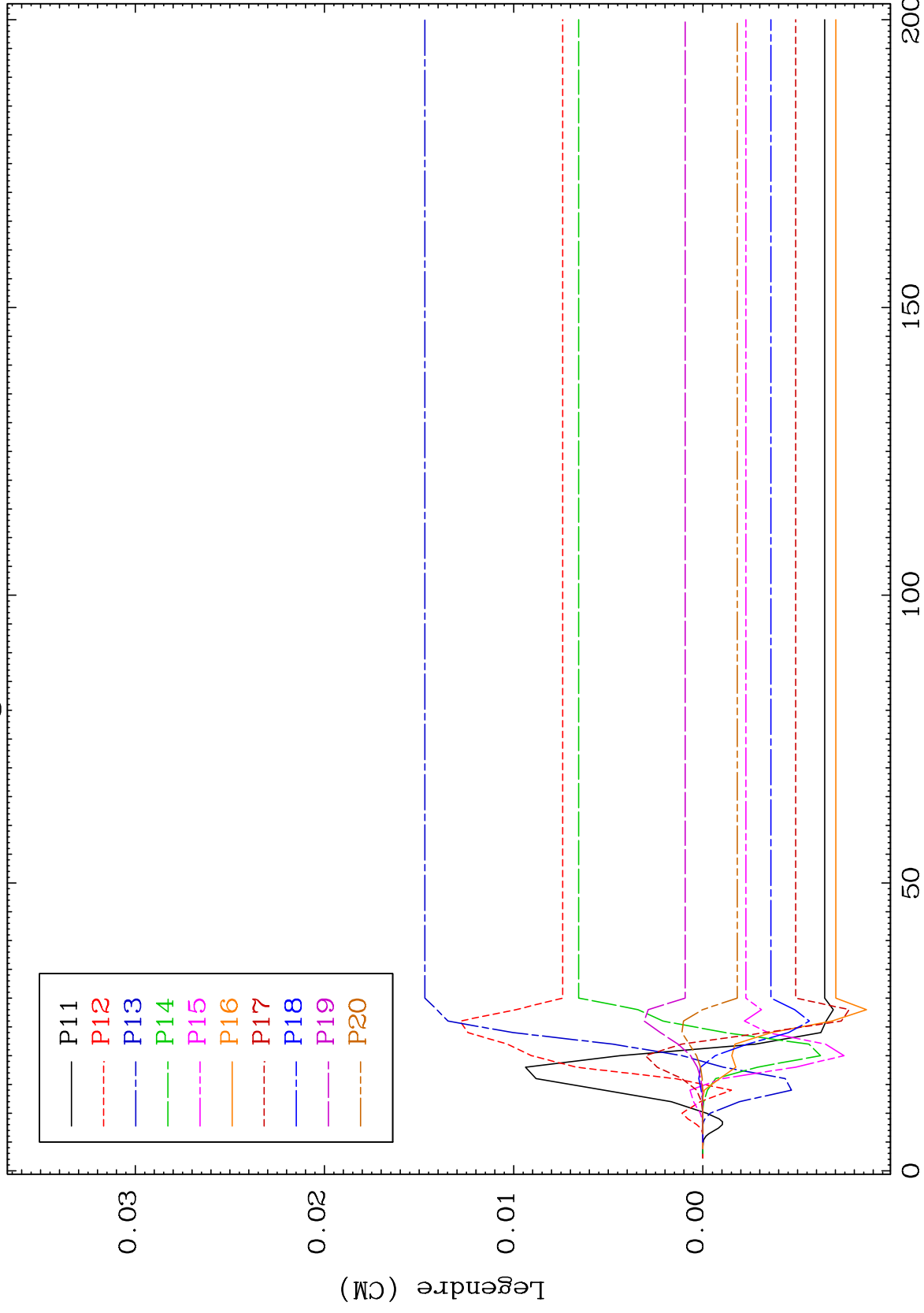
81-T1-195



MAT 8101

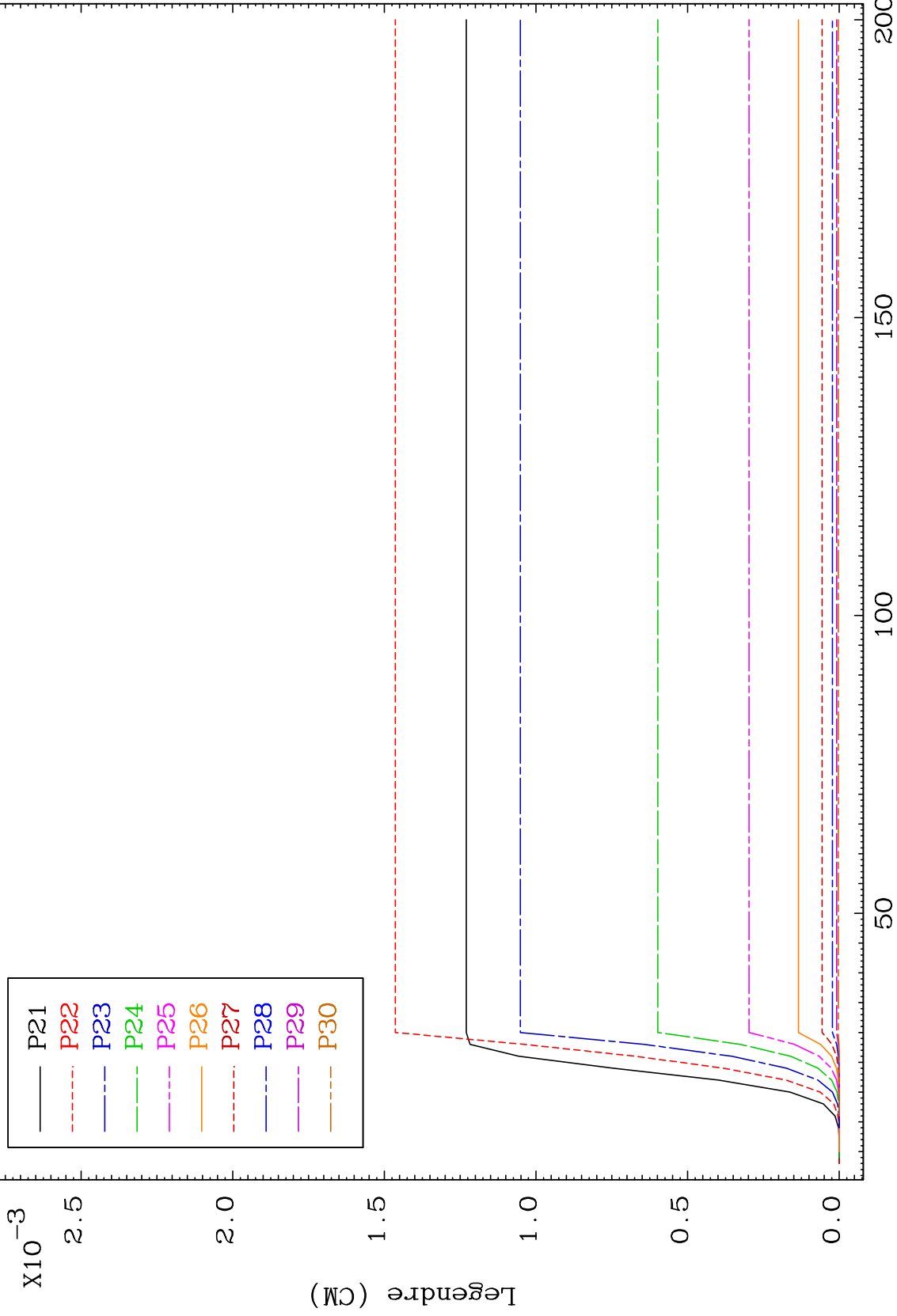
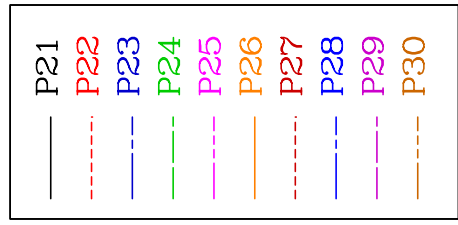
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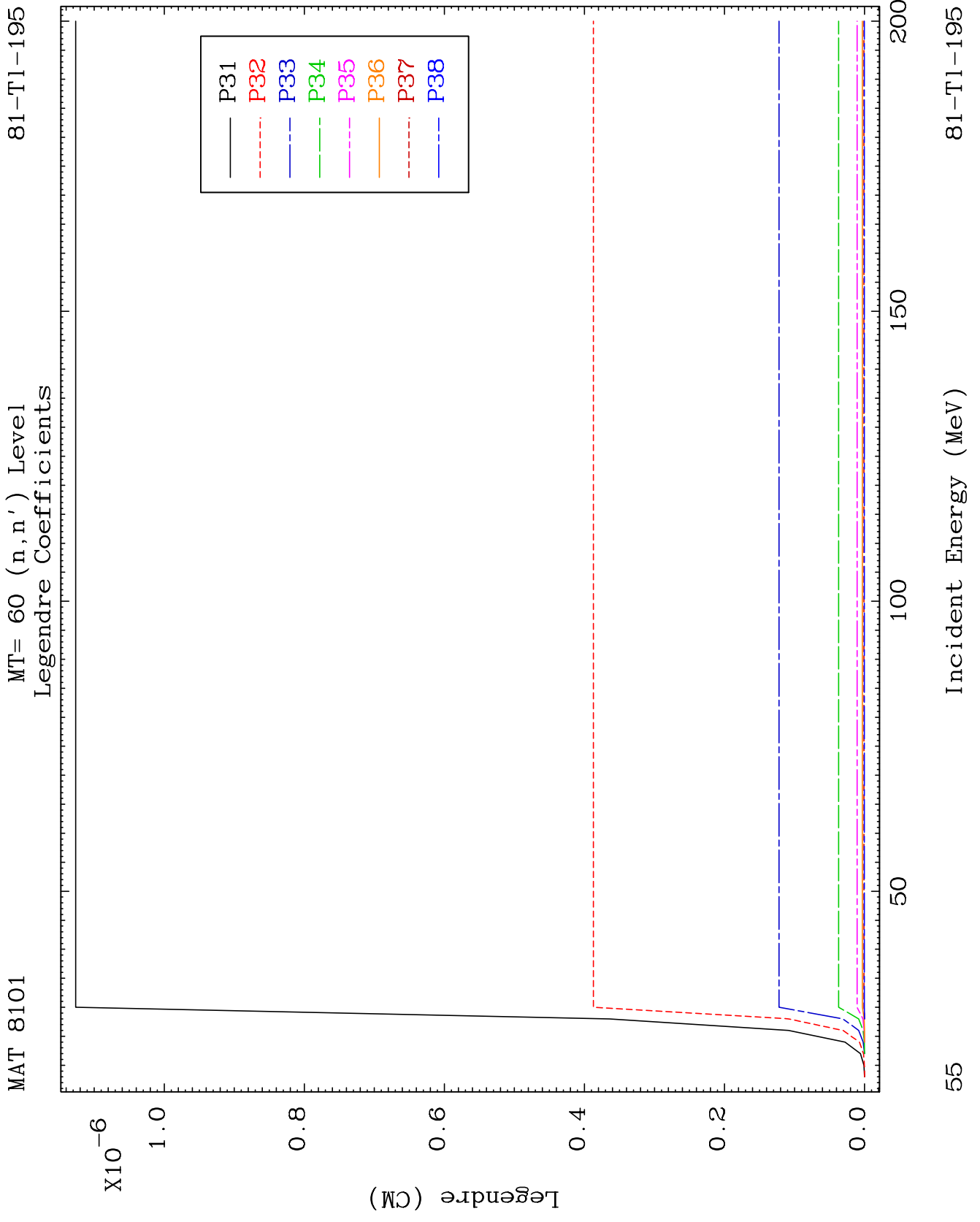
MT= 60 (n,n') Level  
Legendre Coefficients



53

81-T1-195



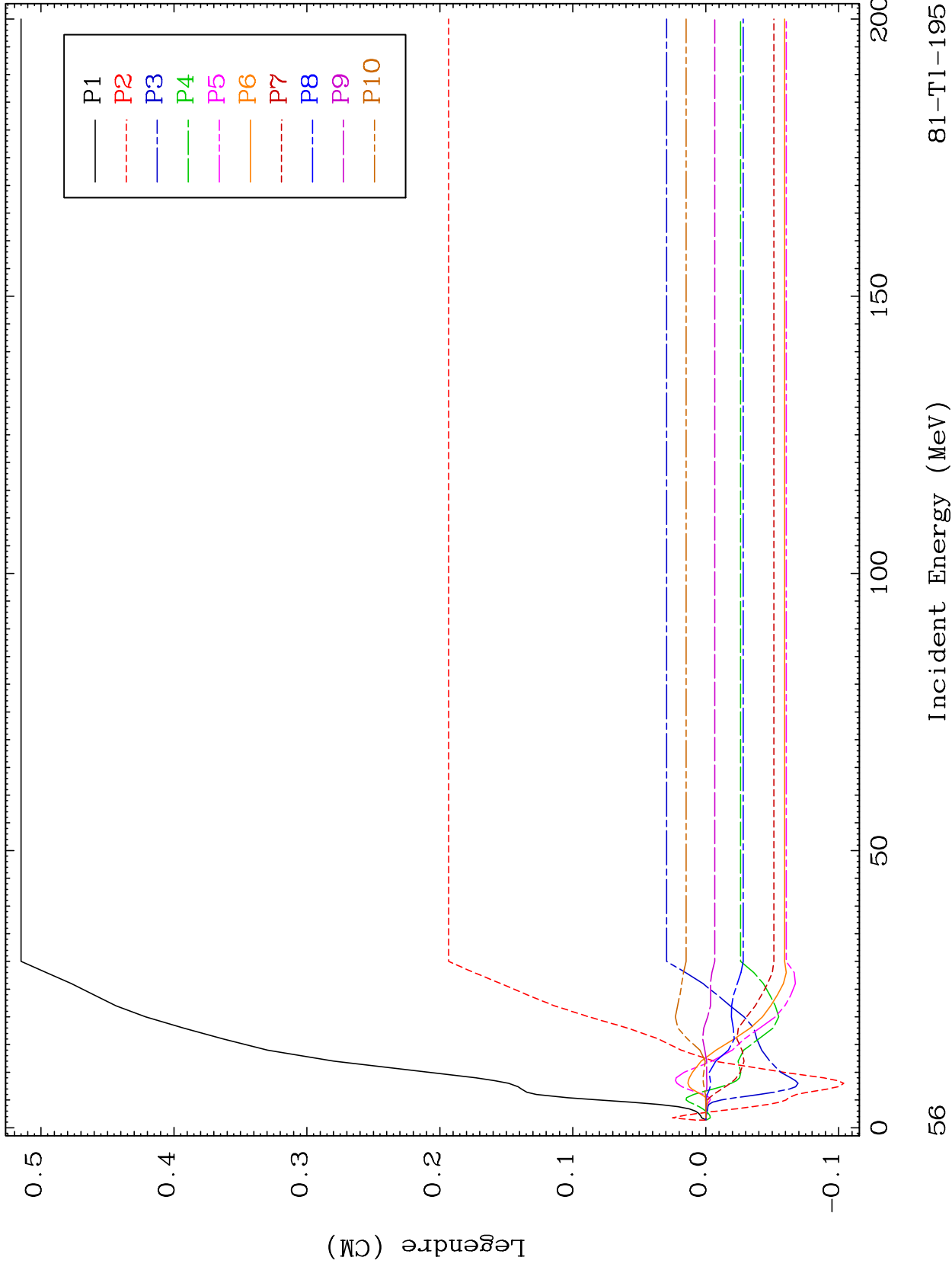




MAT 8101

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

81-T1-195

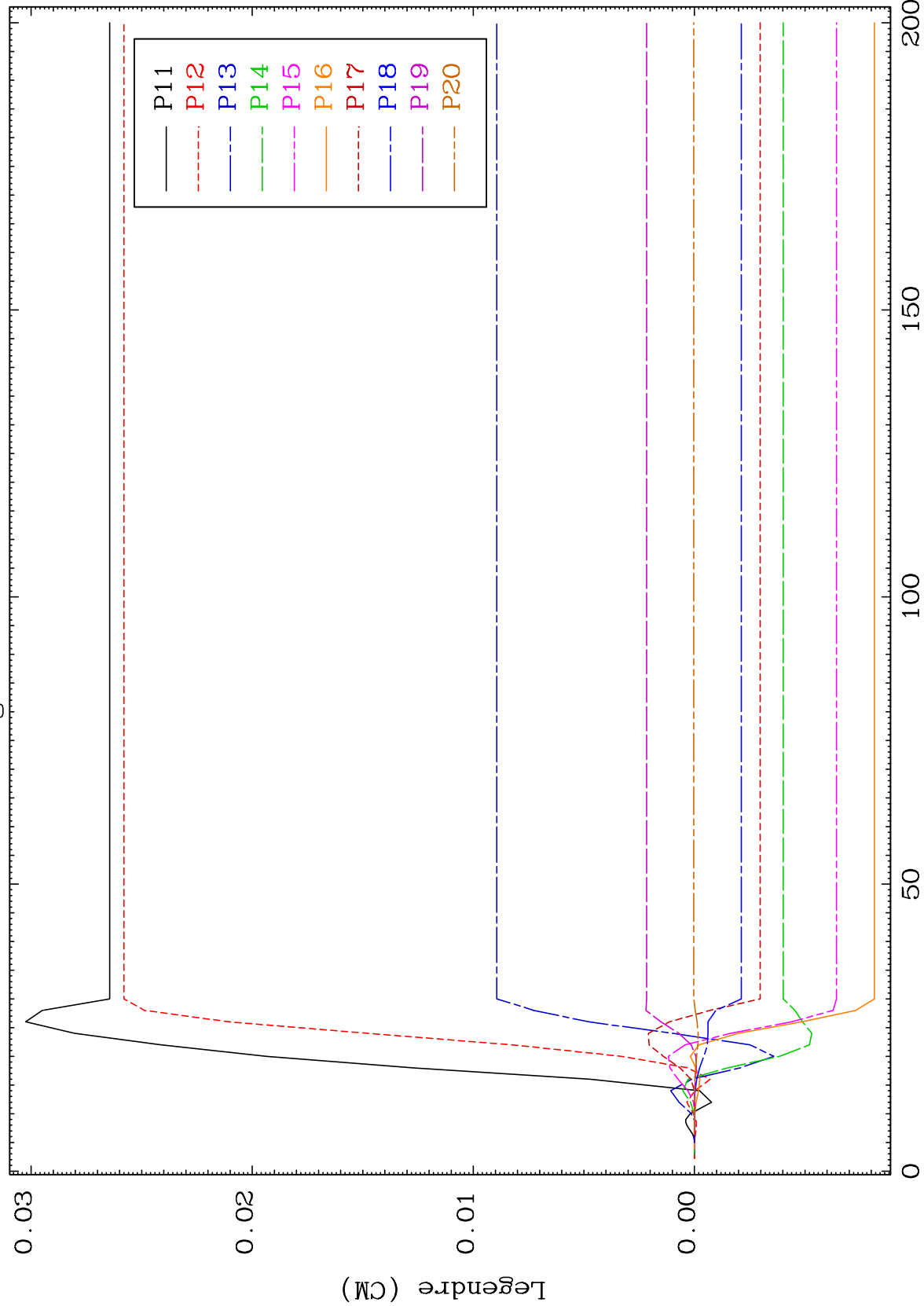


56

Incident Energy (MeV)

81-T1-195

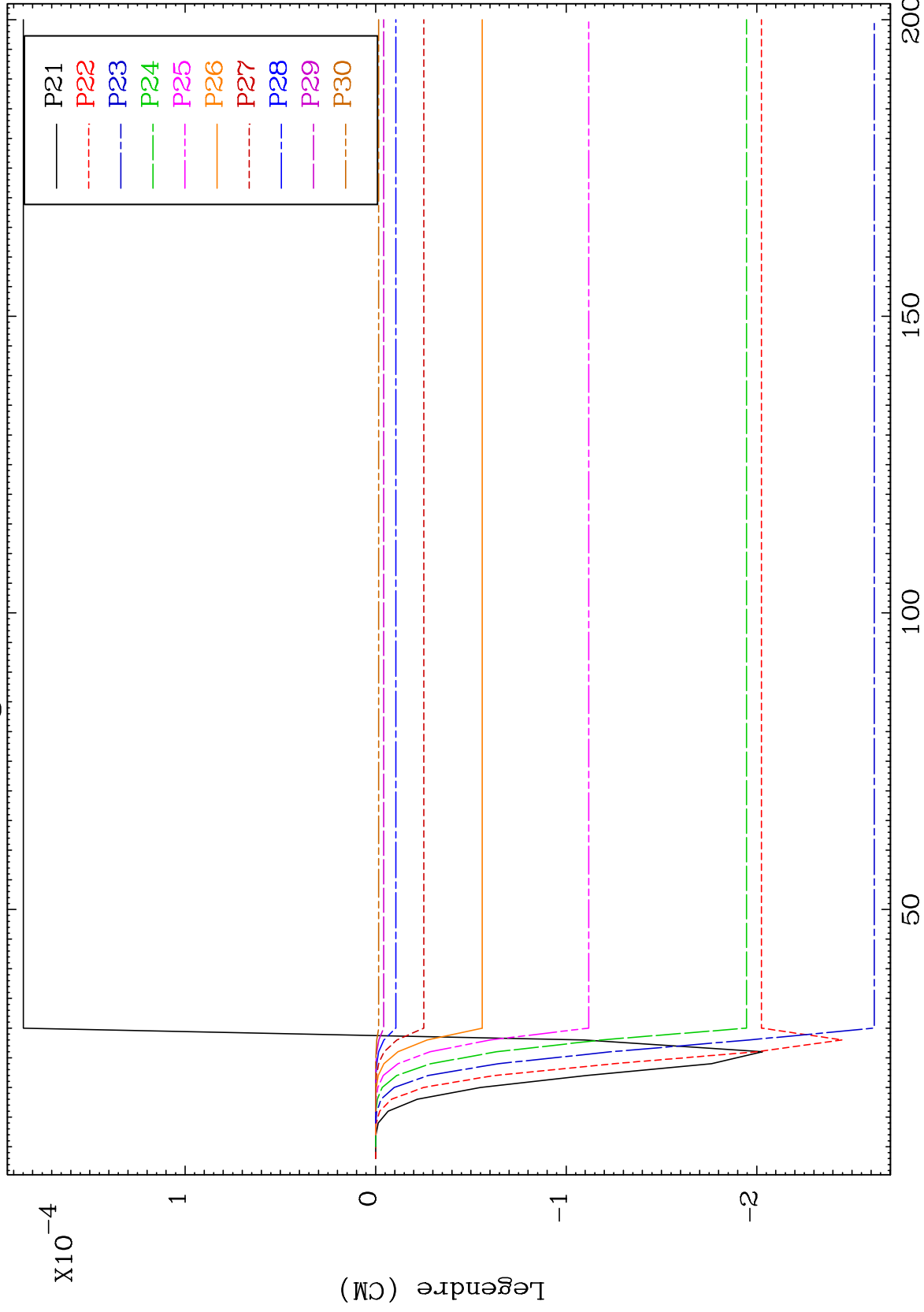
MAT 8101 MT= 61 (n,n') Level Legendre Coefficients 81-T1-195



MAT 8101

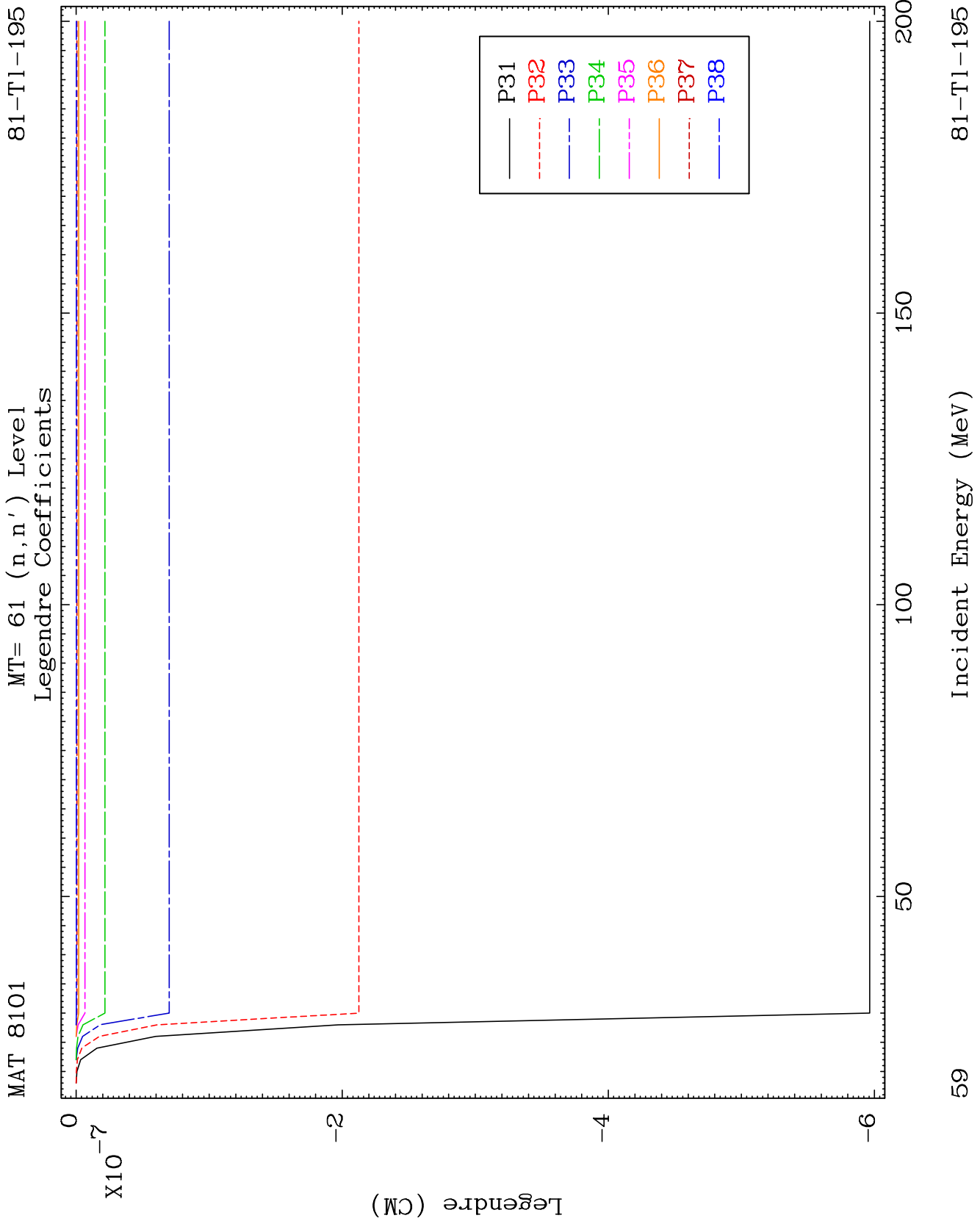
MT= 61 (n,n') Level  
Legendre Coefficients

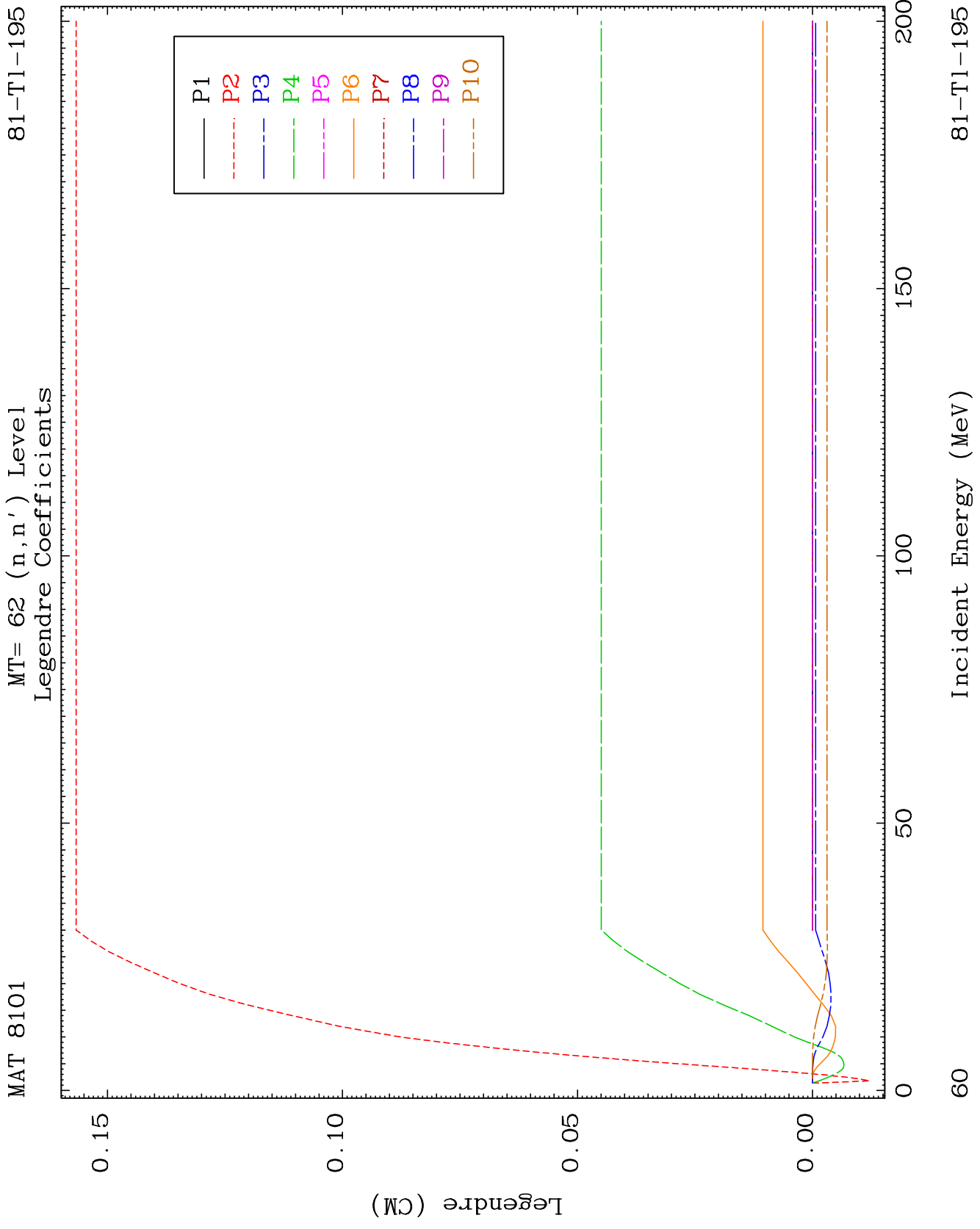
81-T1-195



58

81-T1-195

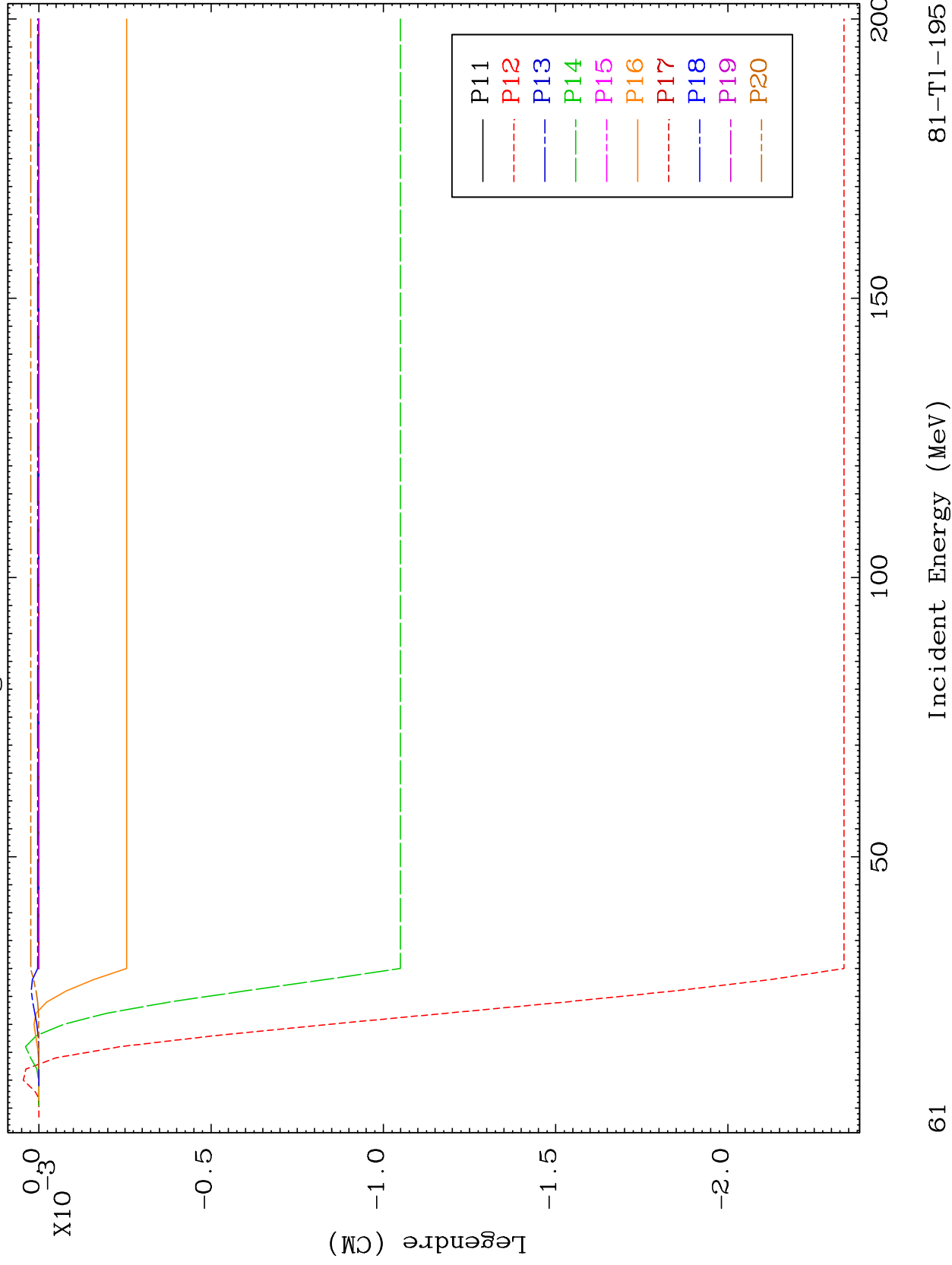




MAT 8101

81-T1-195

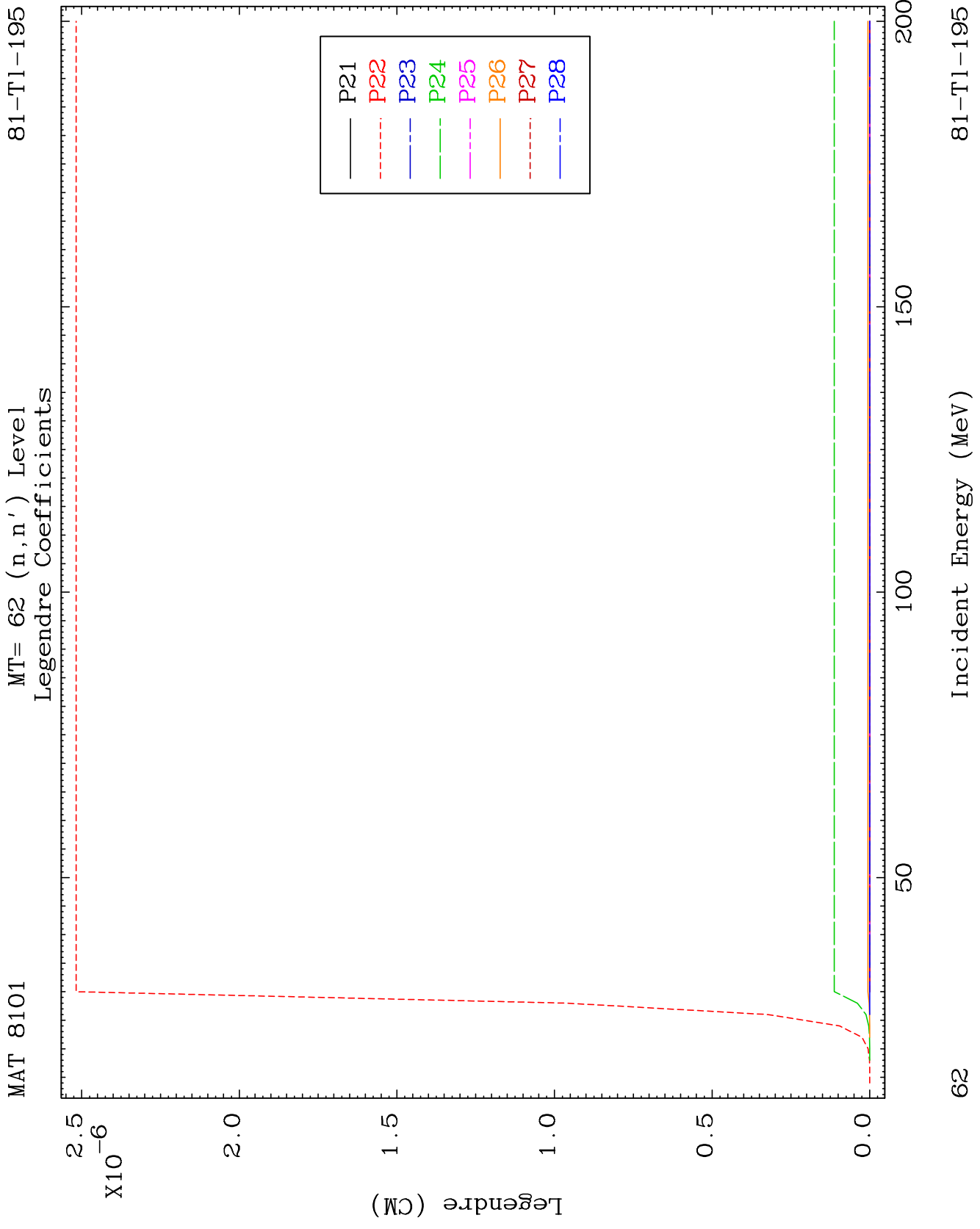
MT= 62 (n,n') Level  
Legendre Coefficients



61

Incident Energy (MeV)

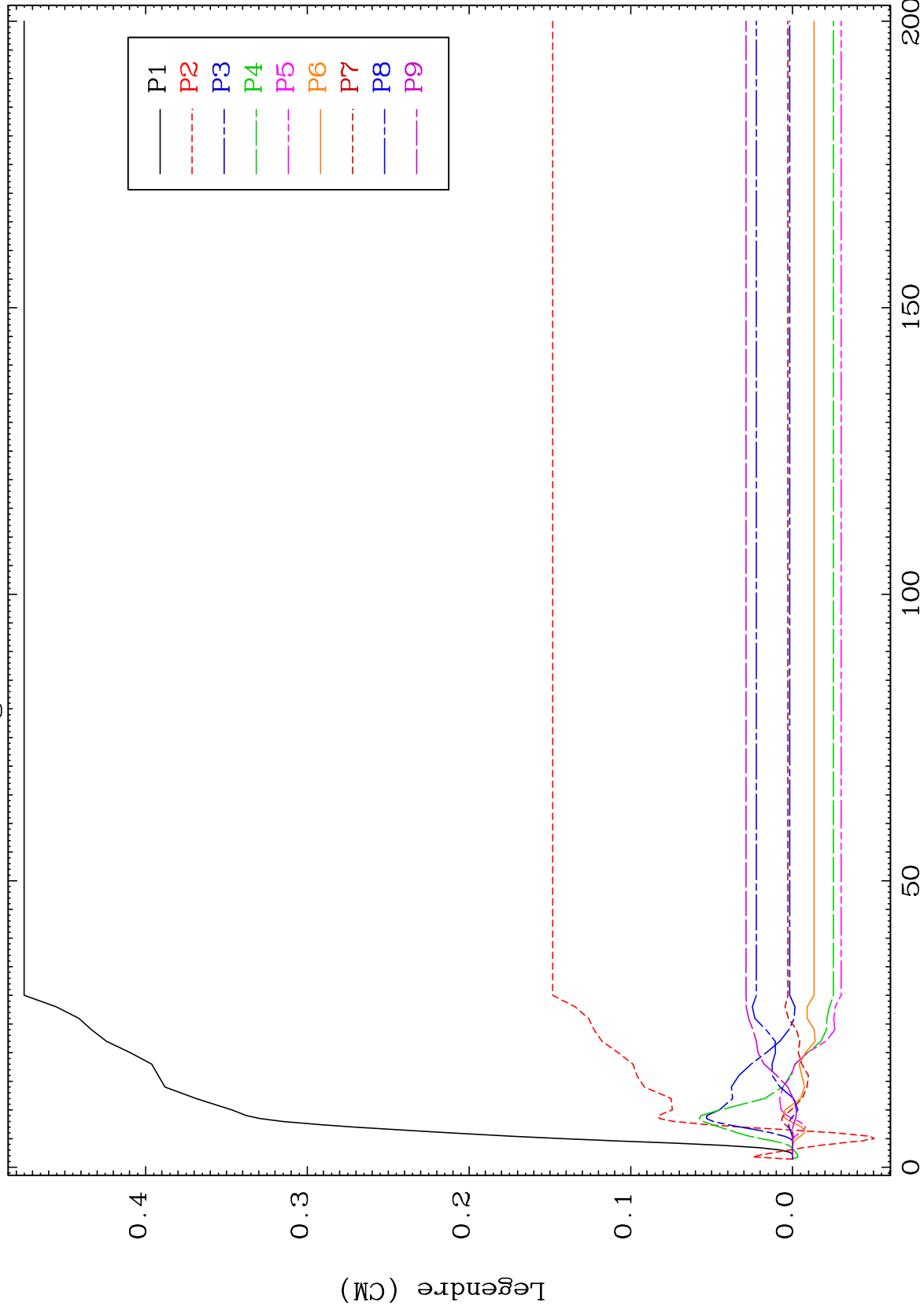
81-T1-195



MAT 8101

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

81-T1-195



63

Incident Energy (MeV)

81-T1-195

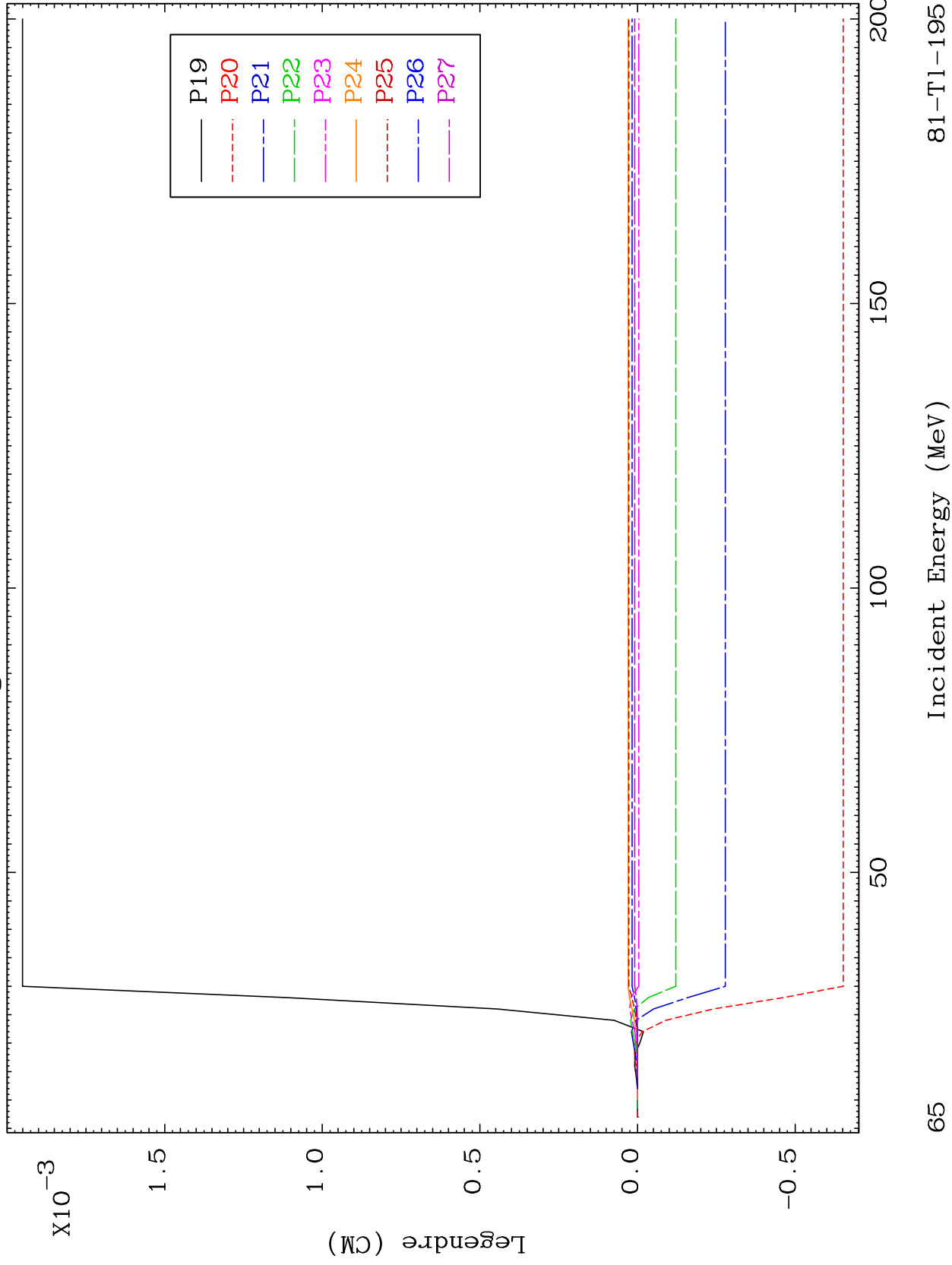




MAT 8101

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

81-T1-195

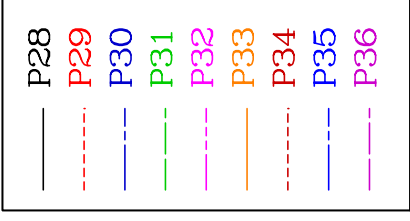


MAT 8101

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

81-Tl-195

$\times 10^{-64}$

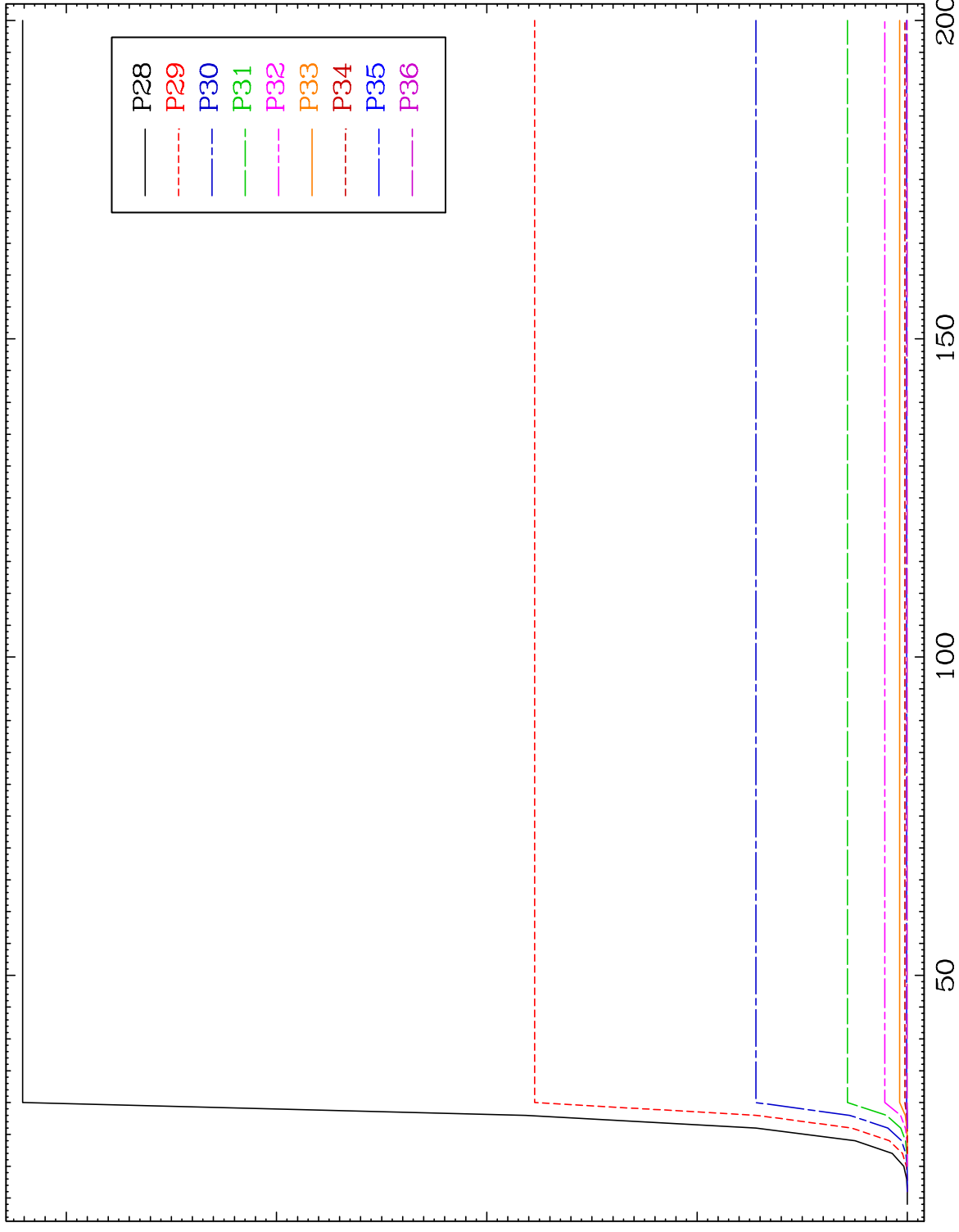


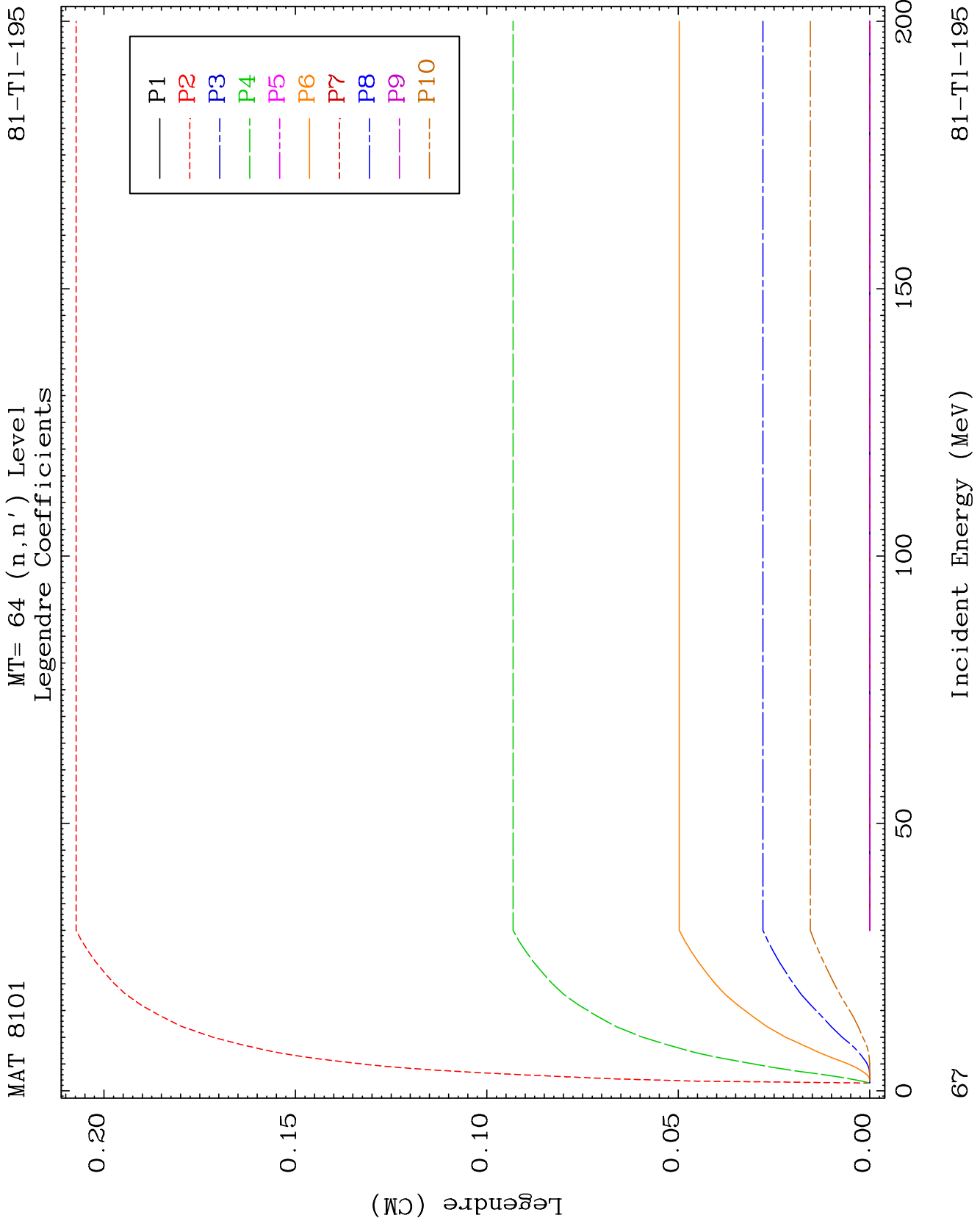
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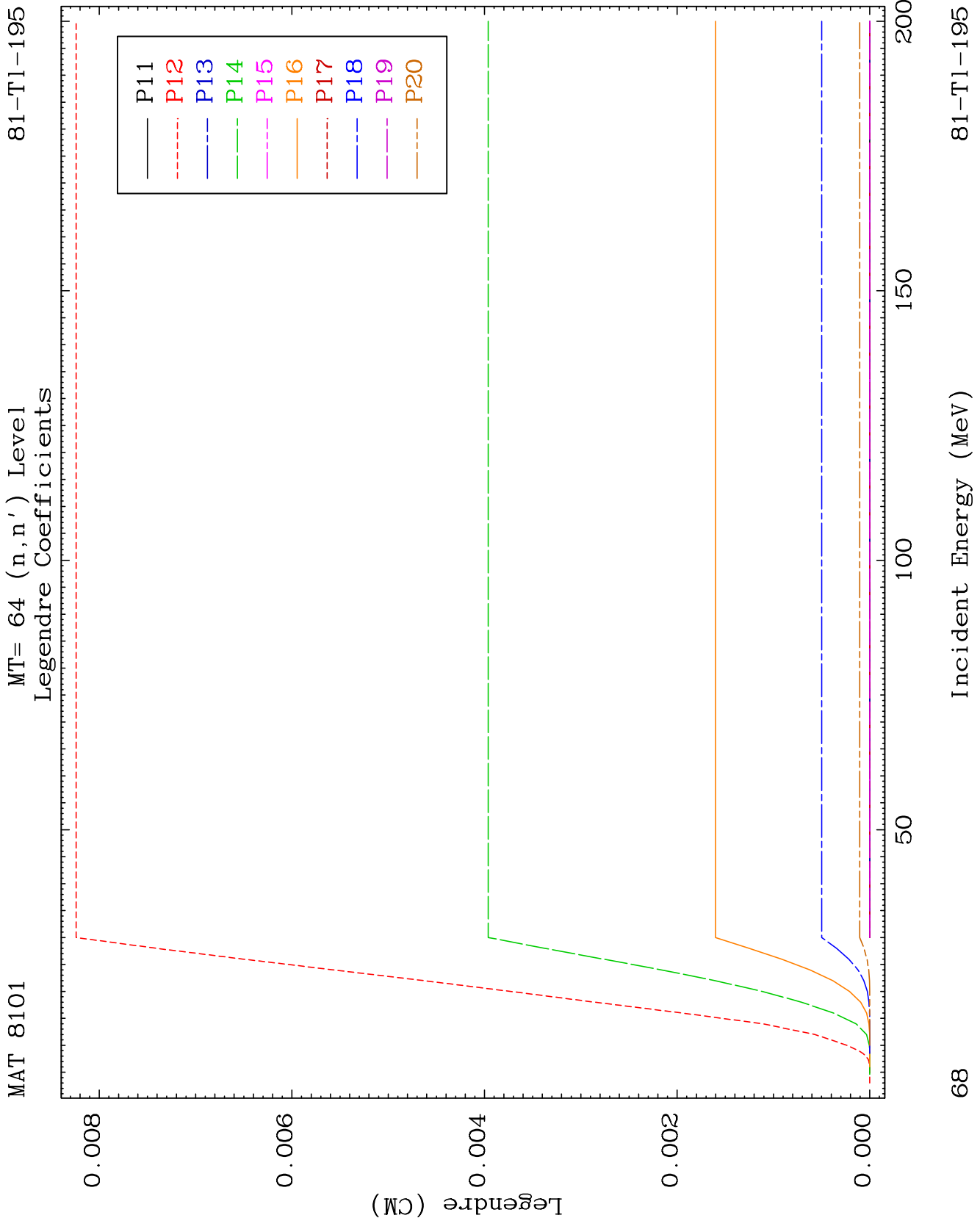
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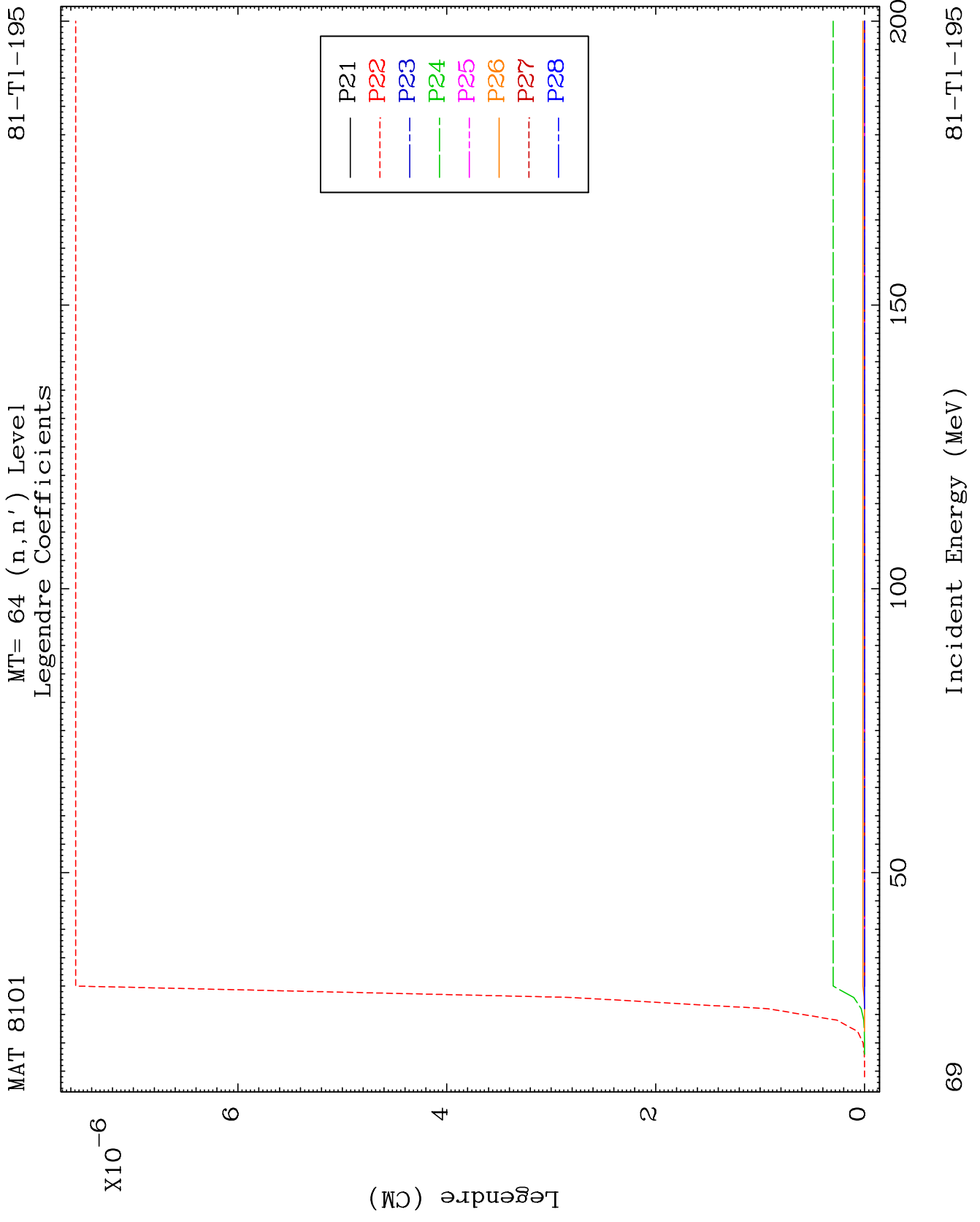
Incident Energy (MeV)

81-Tl-195





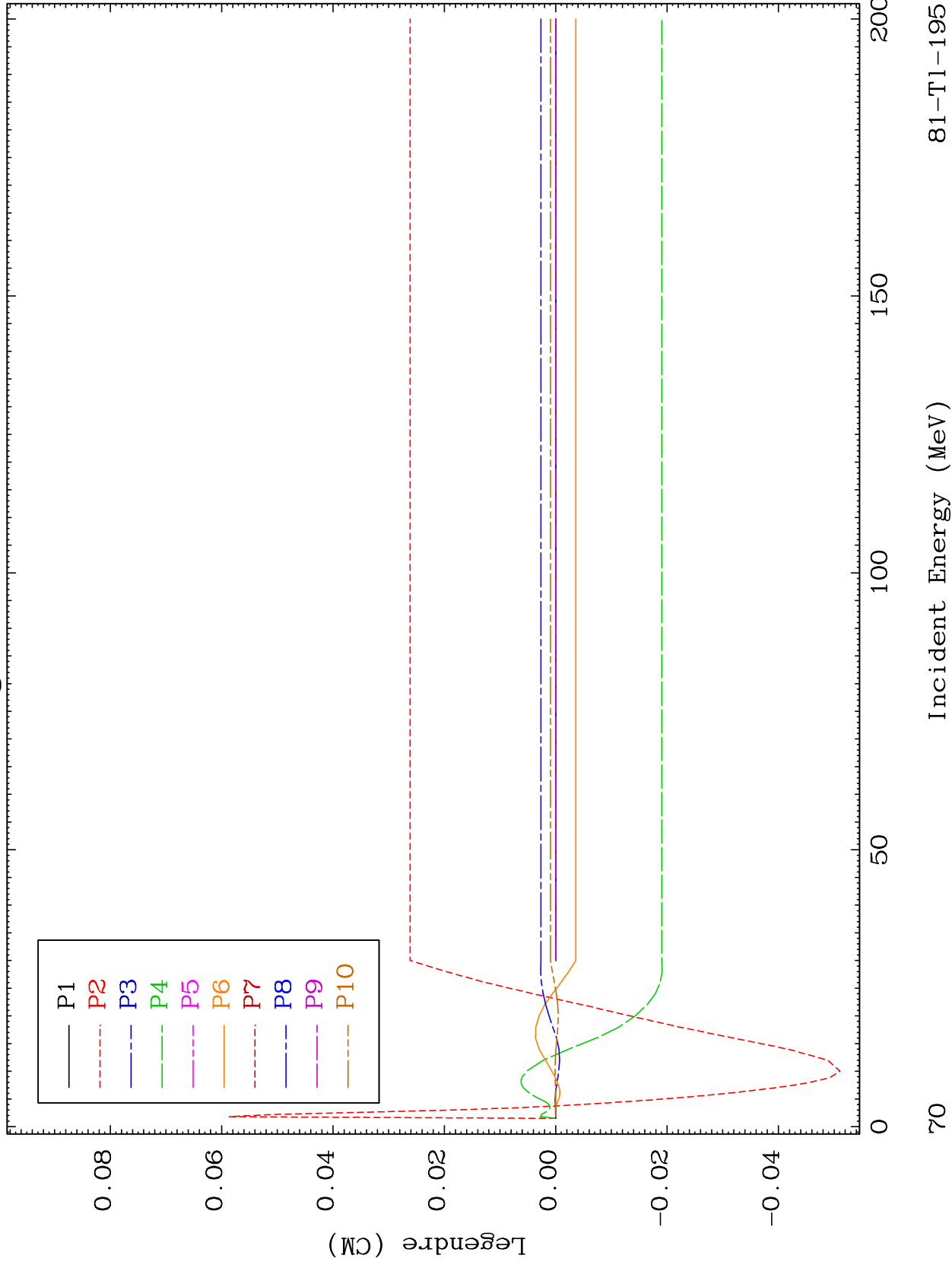




MAT 8101

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

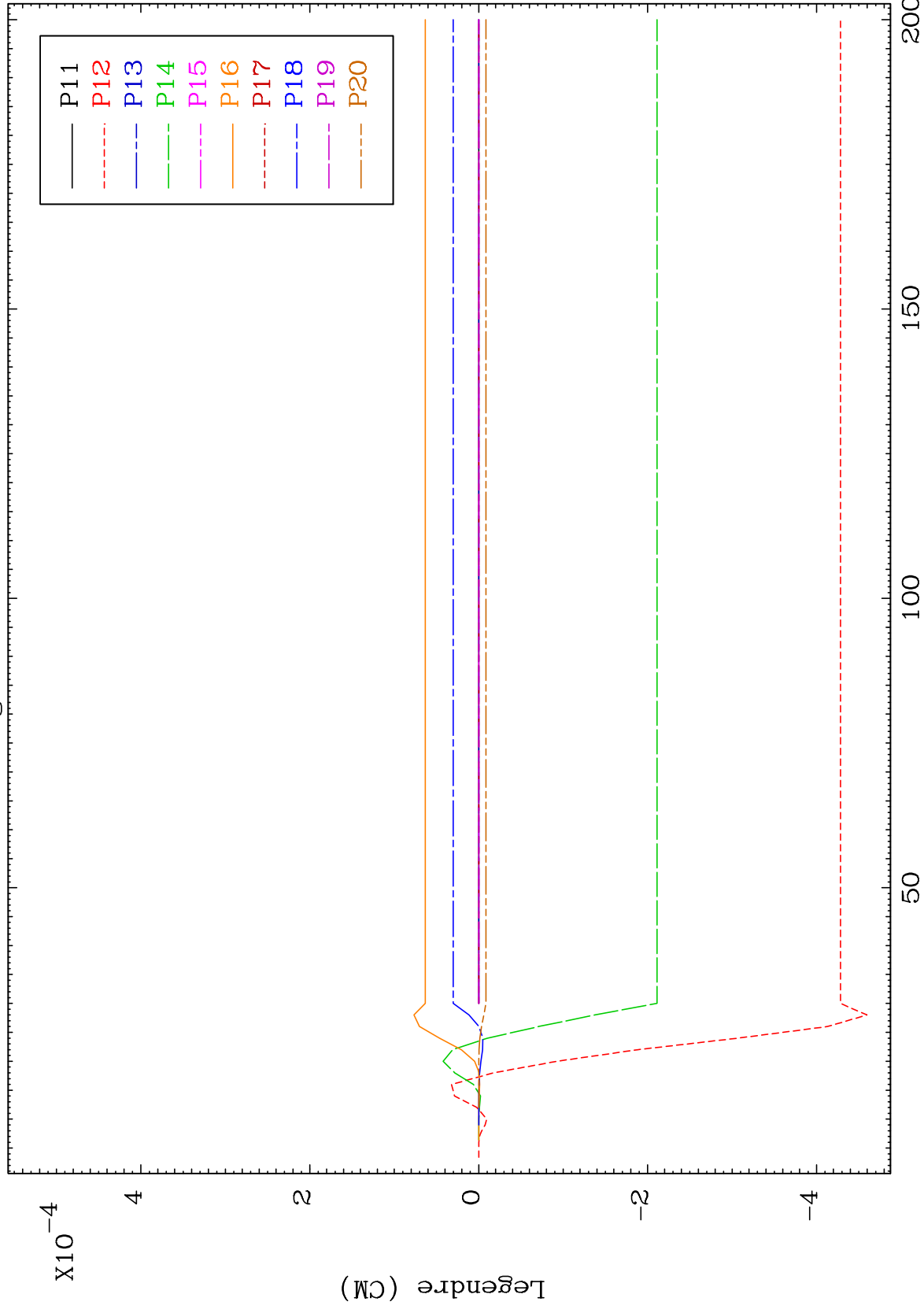
81-T1-195



MAT 8101

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

81-T1-195

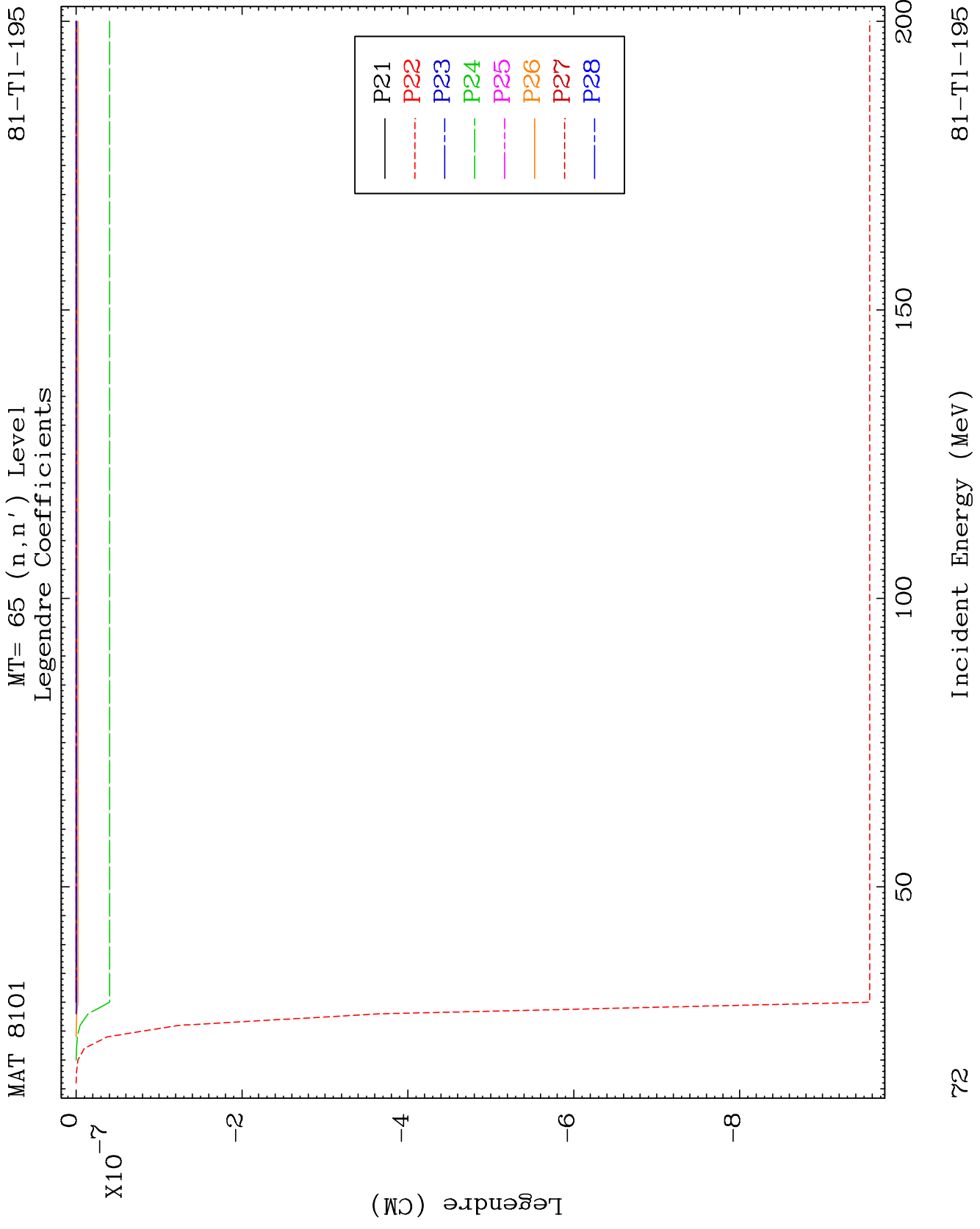


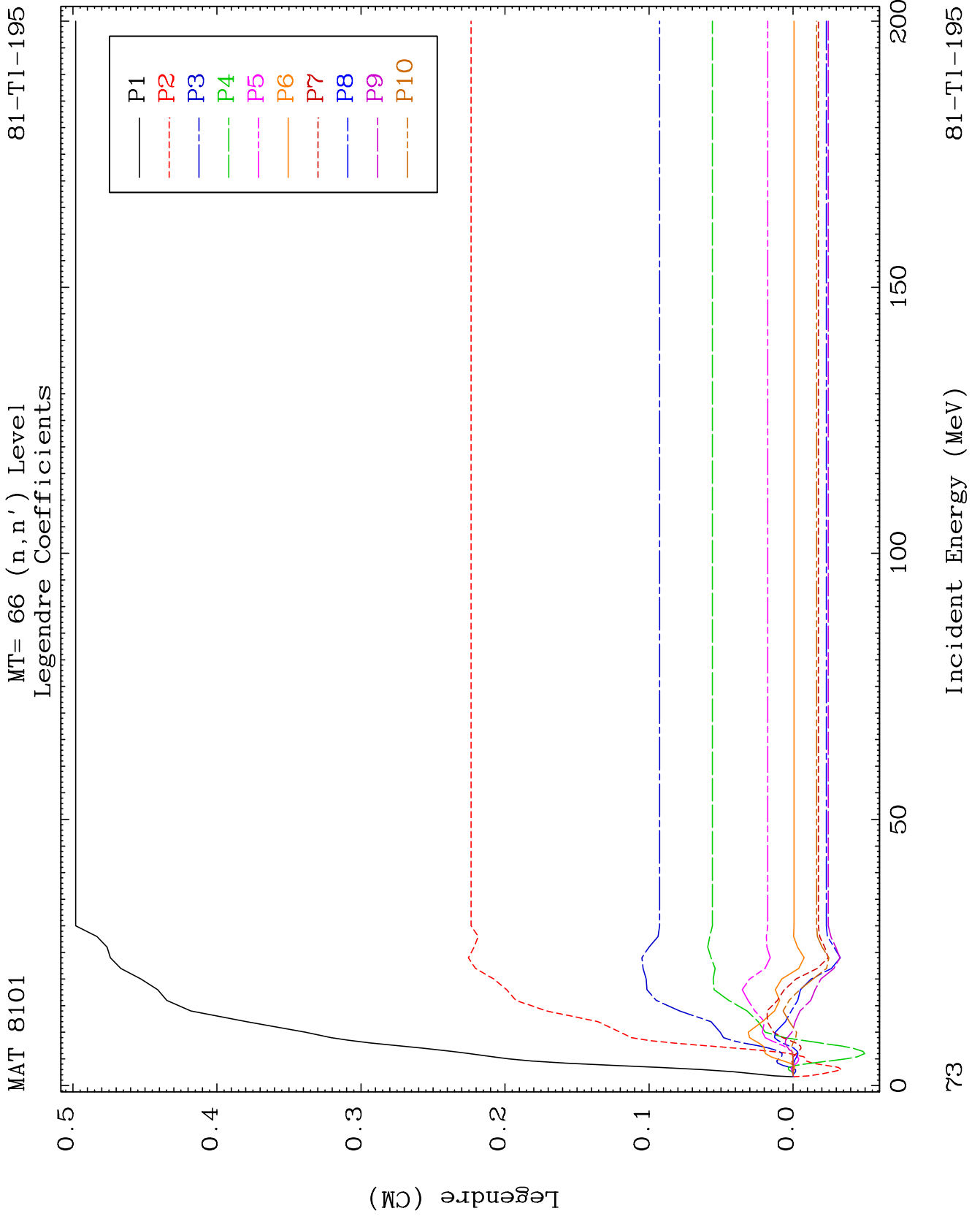
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Incident Energy (MeV)

81-T1-195



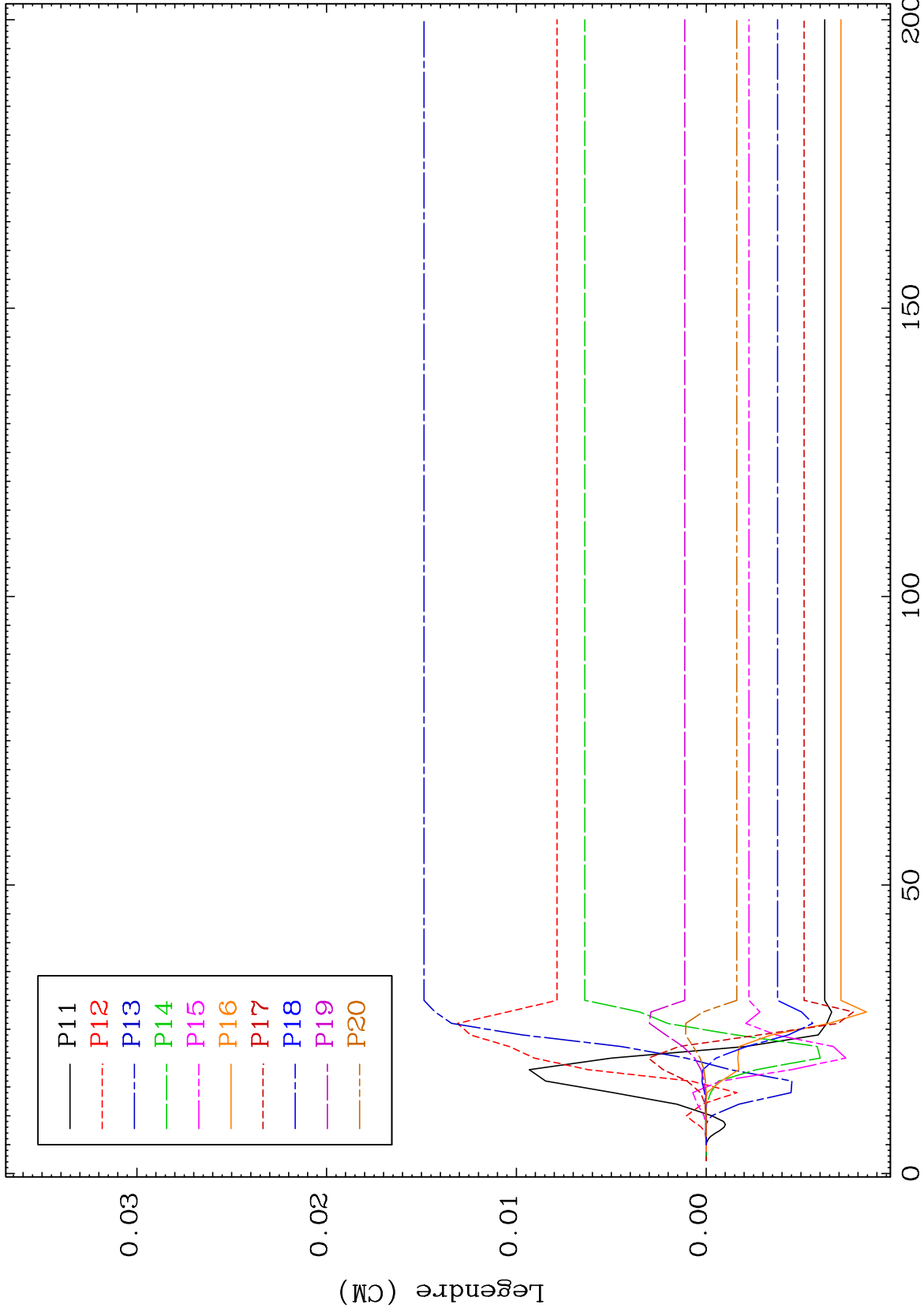




MAT 8101

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

81-T1-195



74

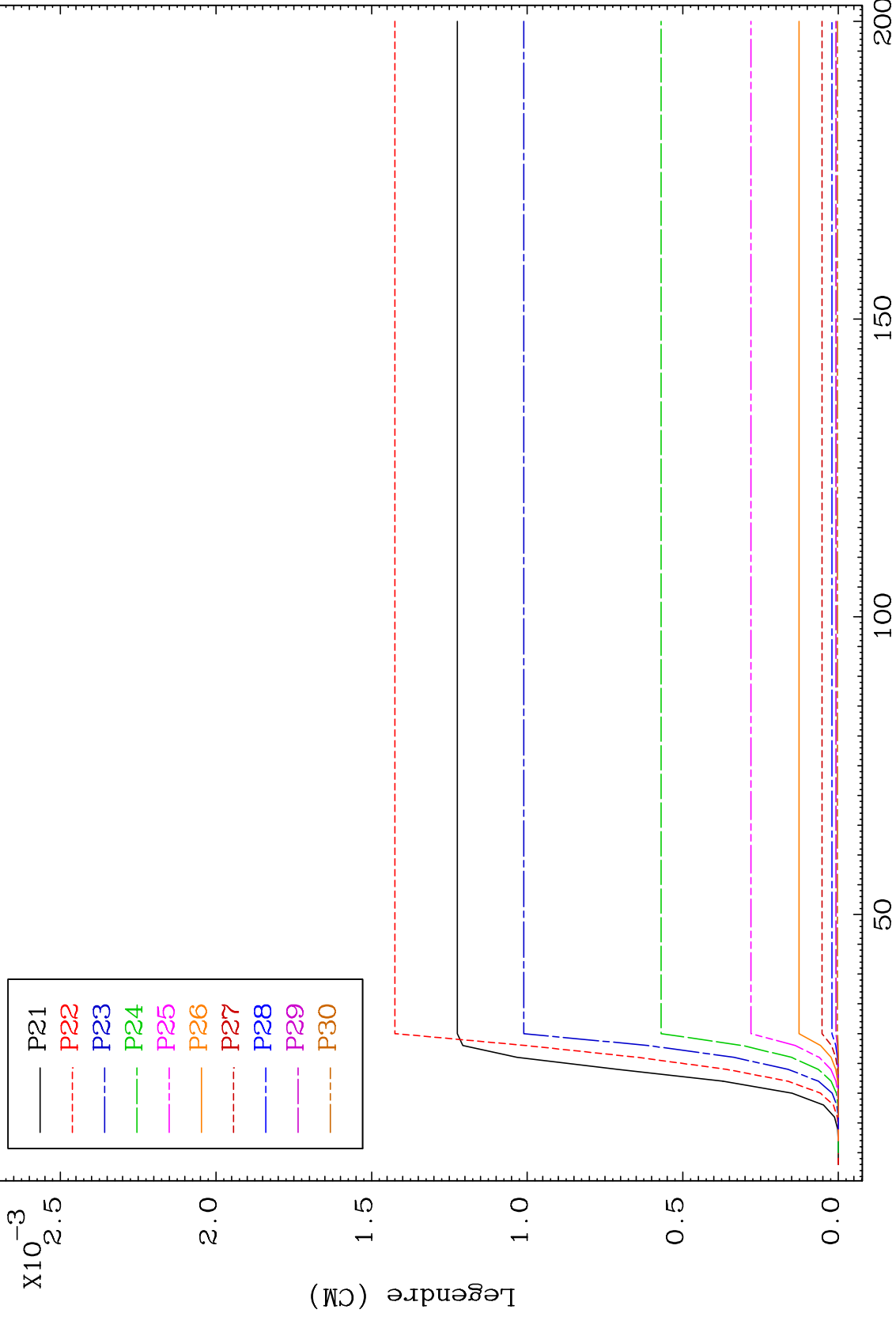
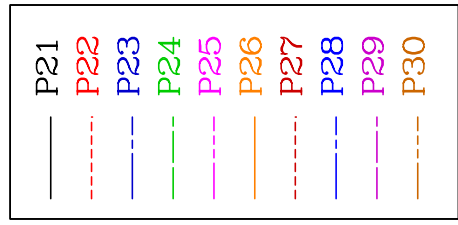
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-Tl-195



75

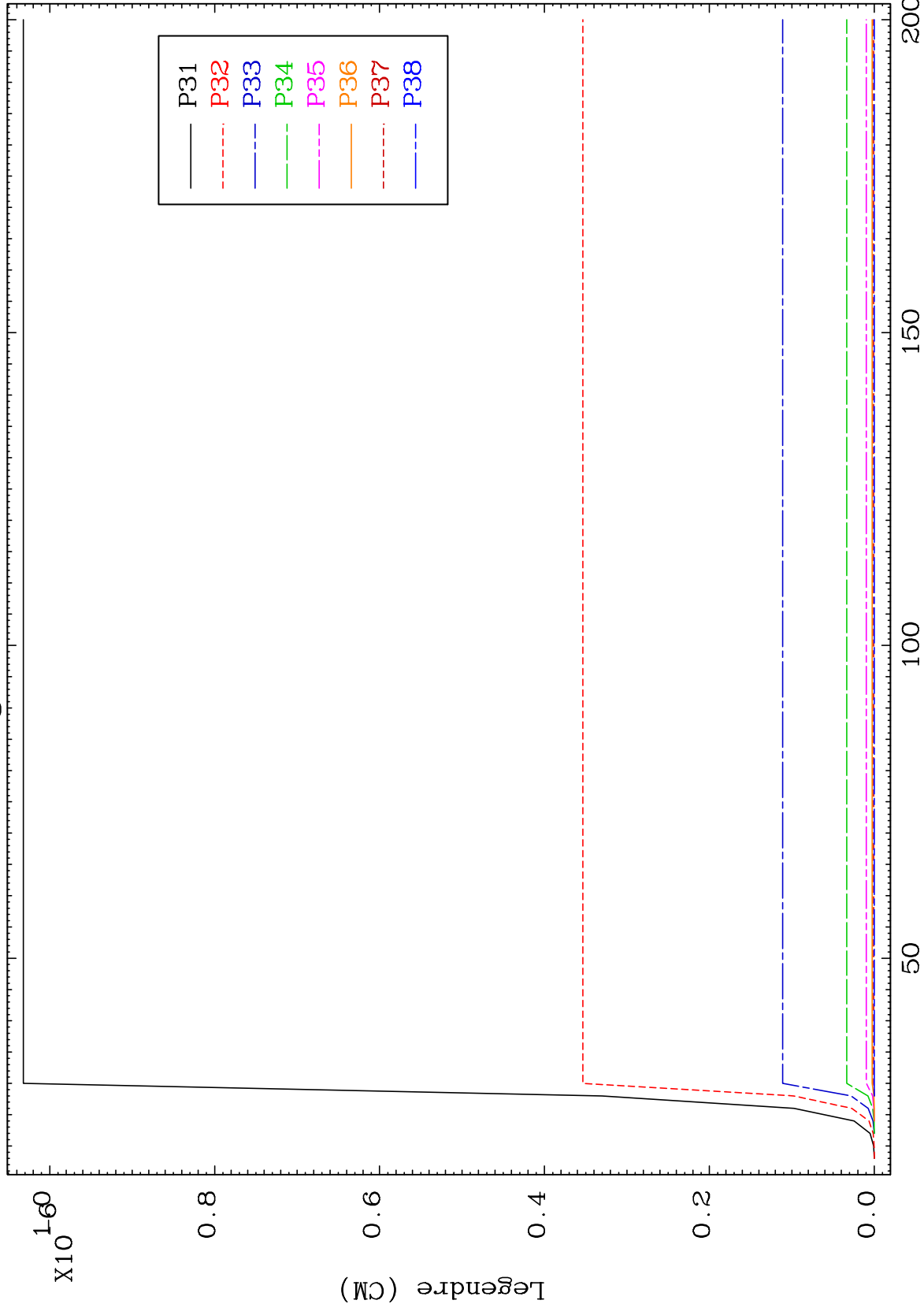
Incident Energy (MeV)

81-Tl-195

MAT 8101

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

81-T1-195



76

Incident Energy (MeV)

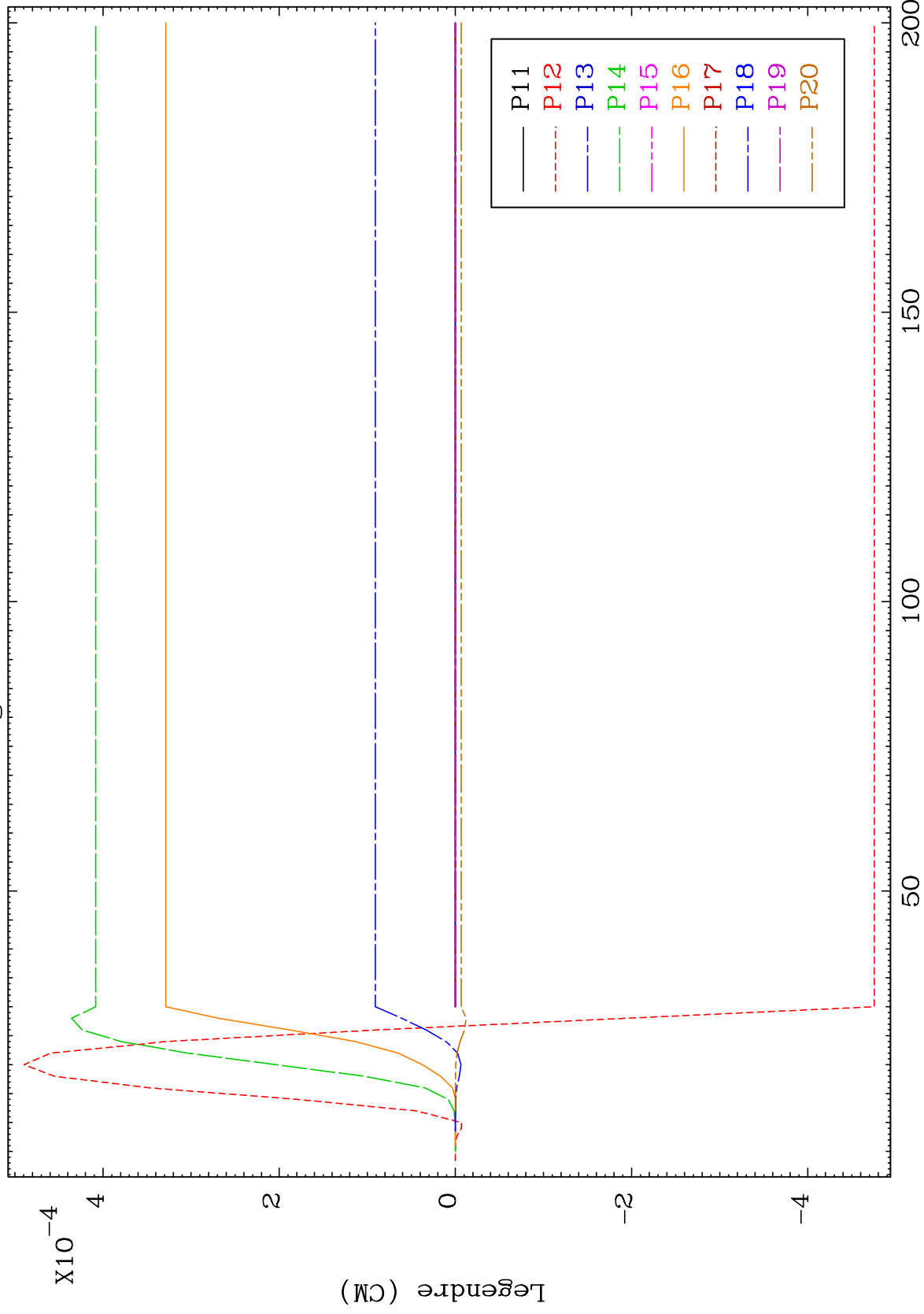
81-T1-195



MAT 8101

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

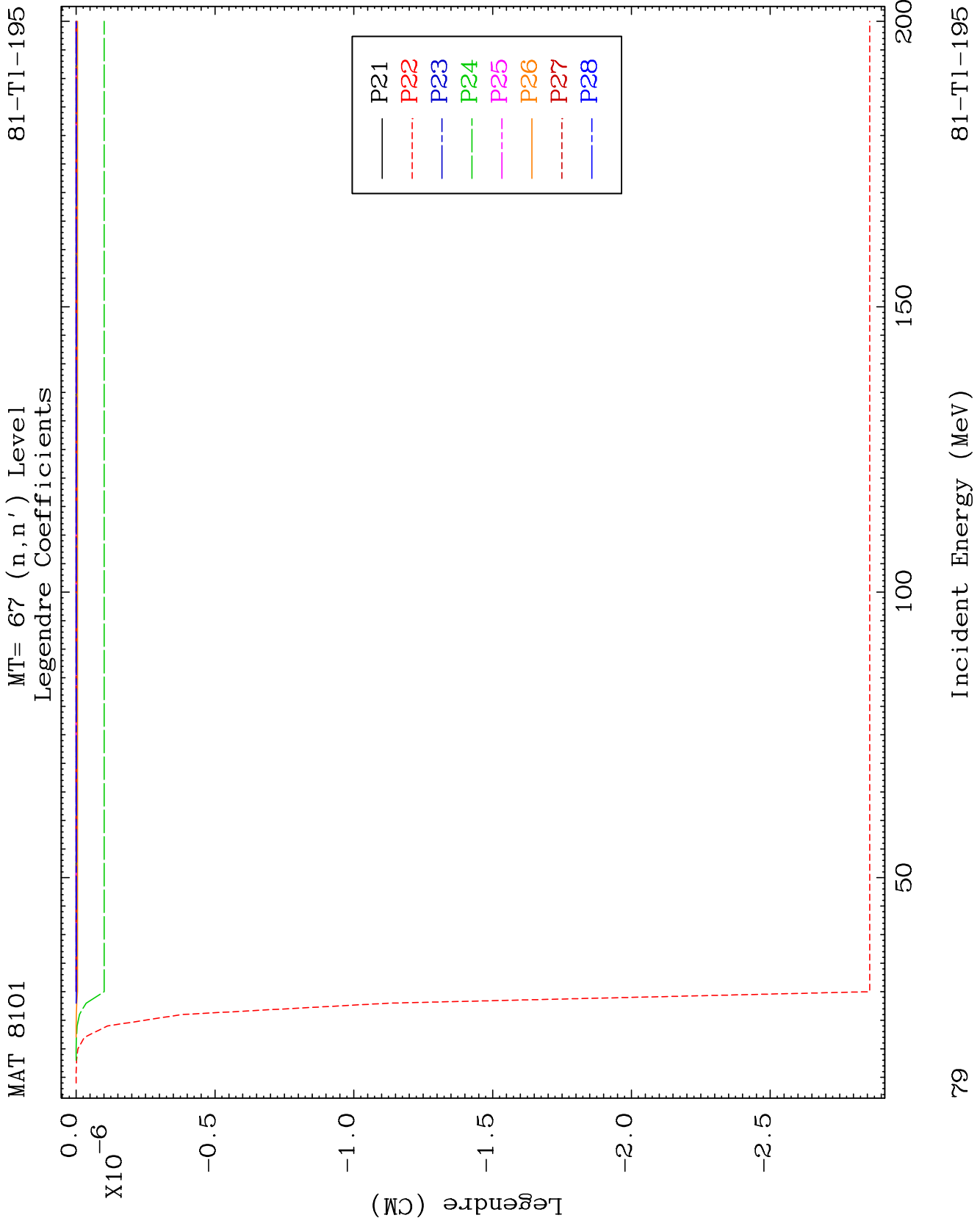
81-T1-195



78

Incident Energy (MeV)

81-T1-195

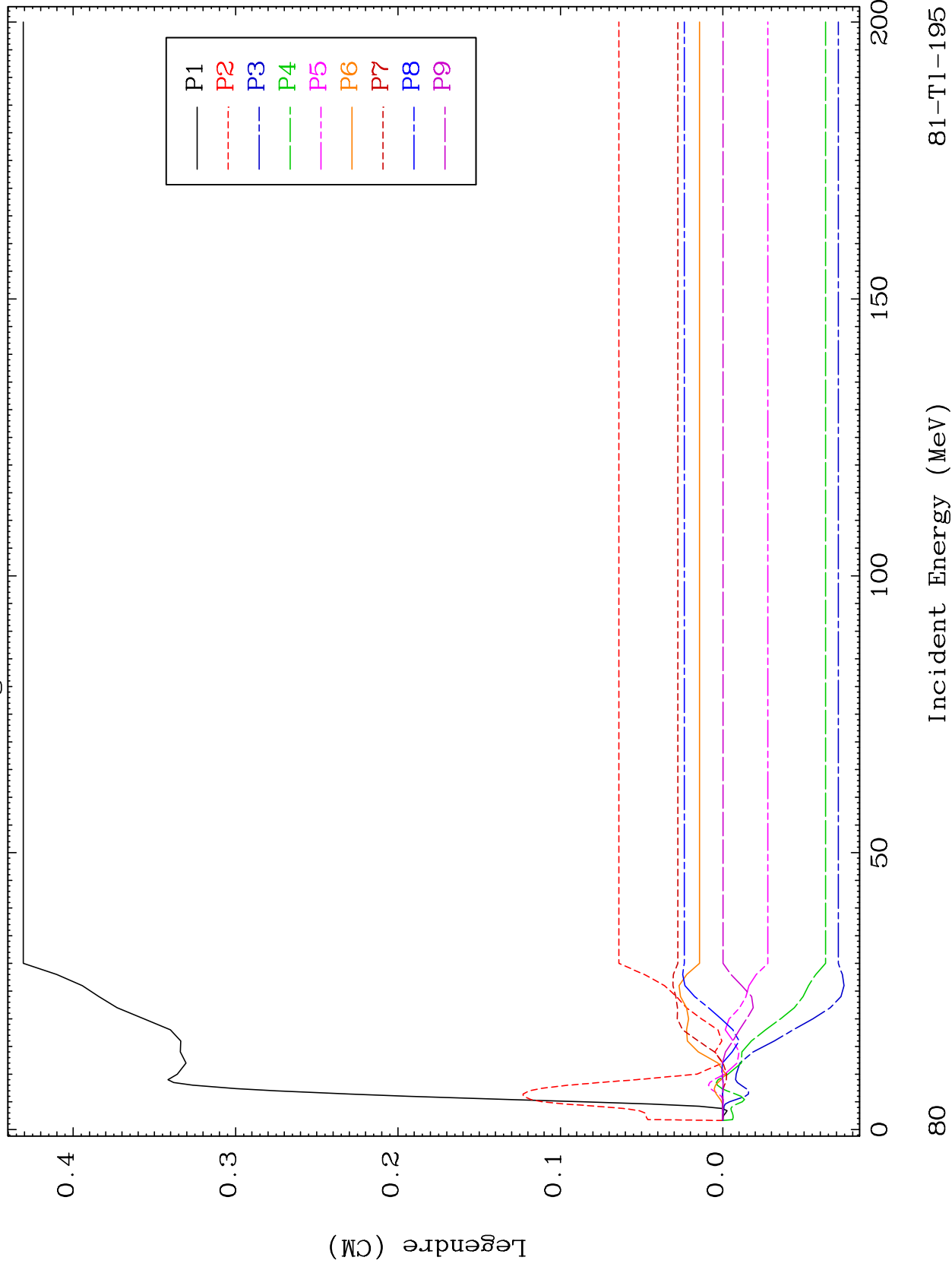




MAT 8101

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

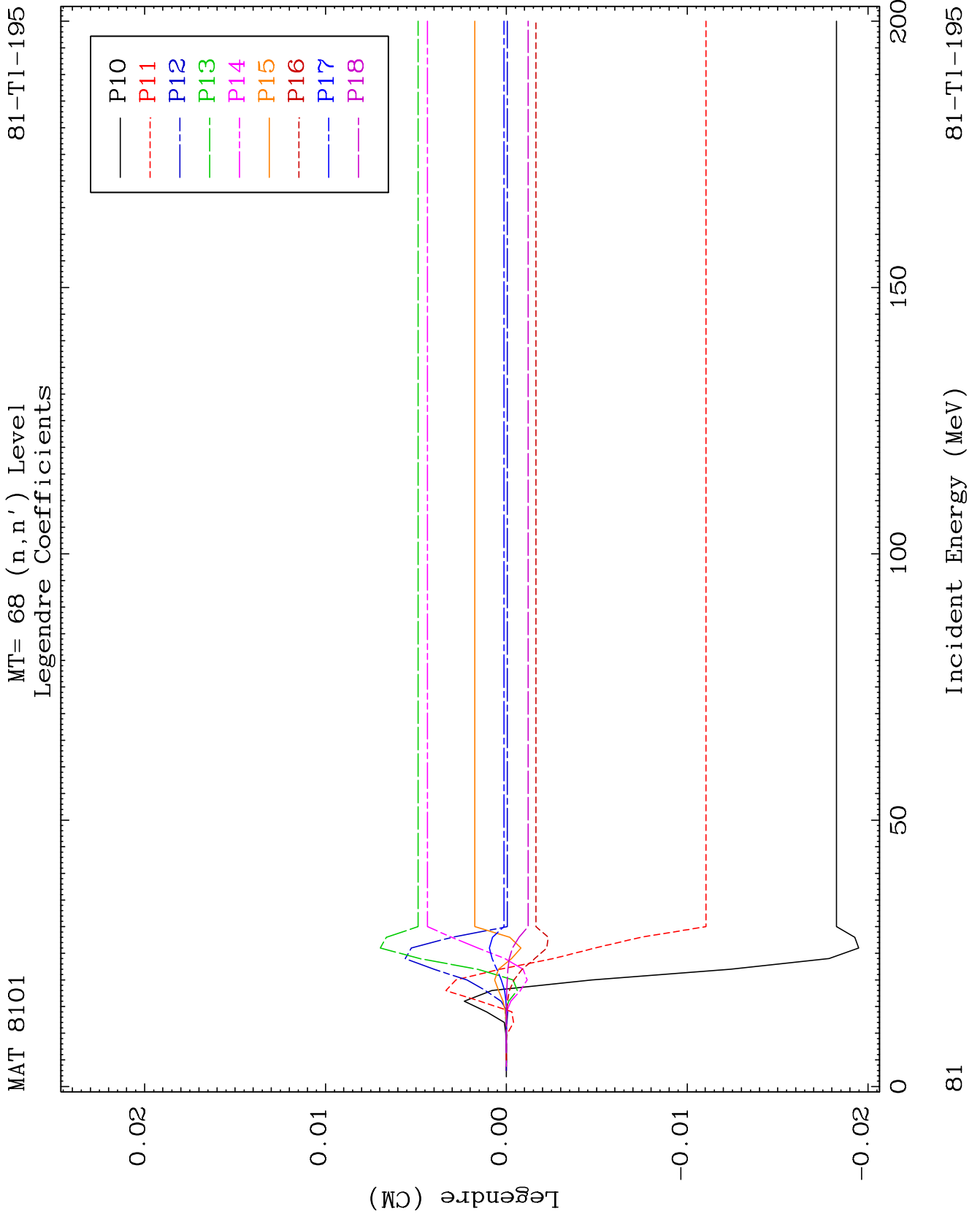
81-T1-195



81-T1-195

Incident Energy (MeV)

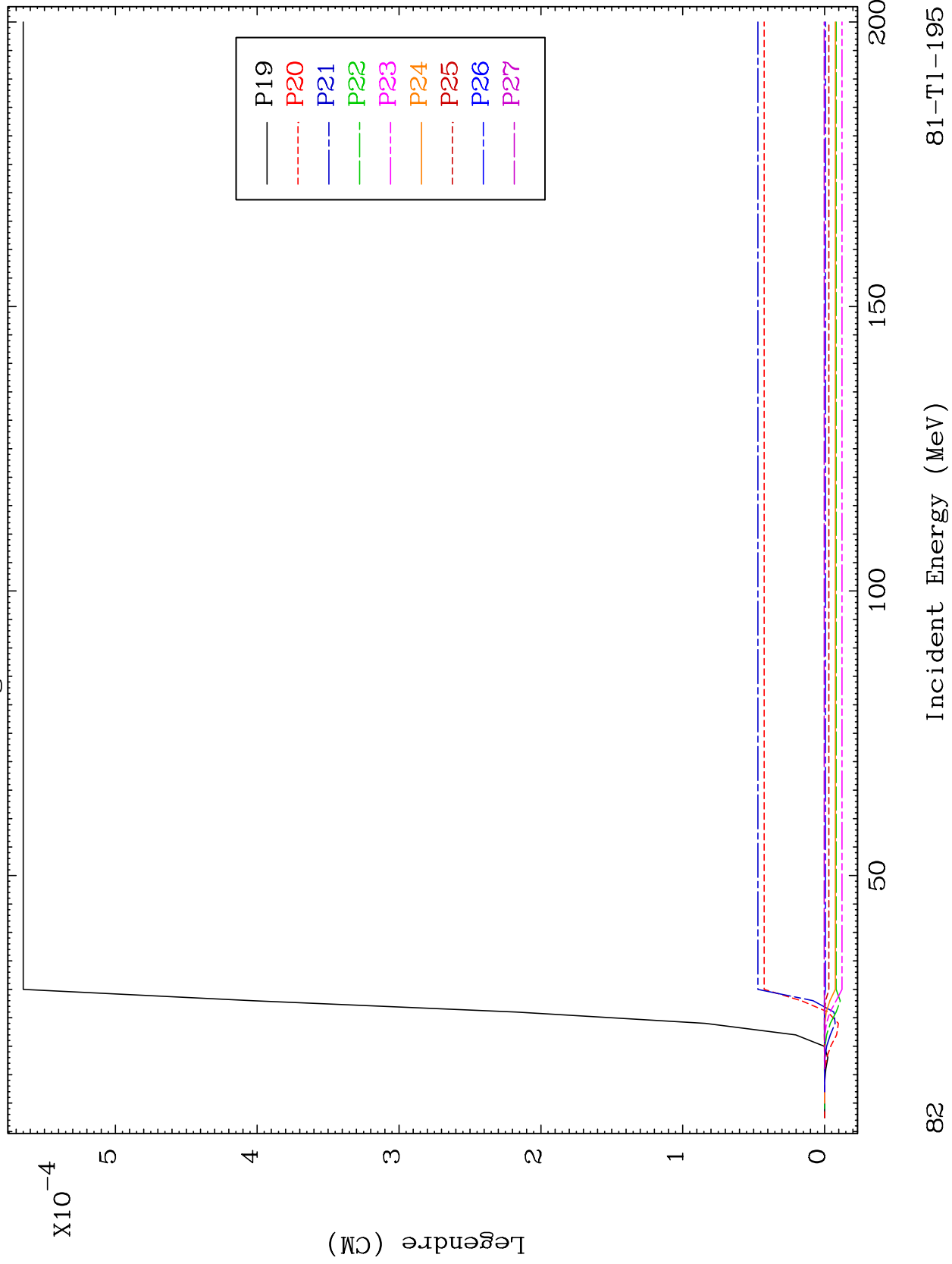
80



MAT 8101

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

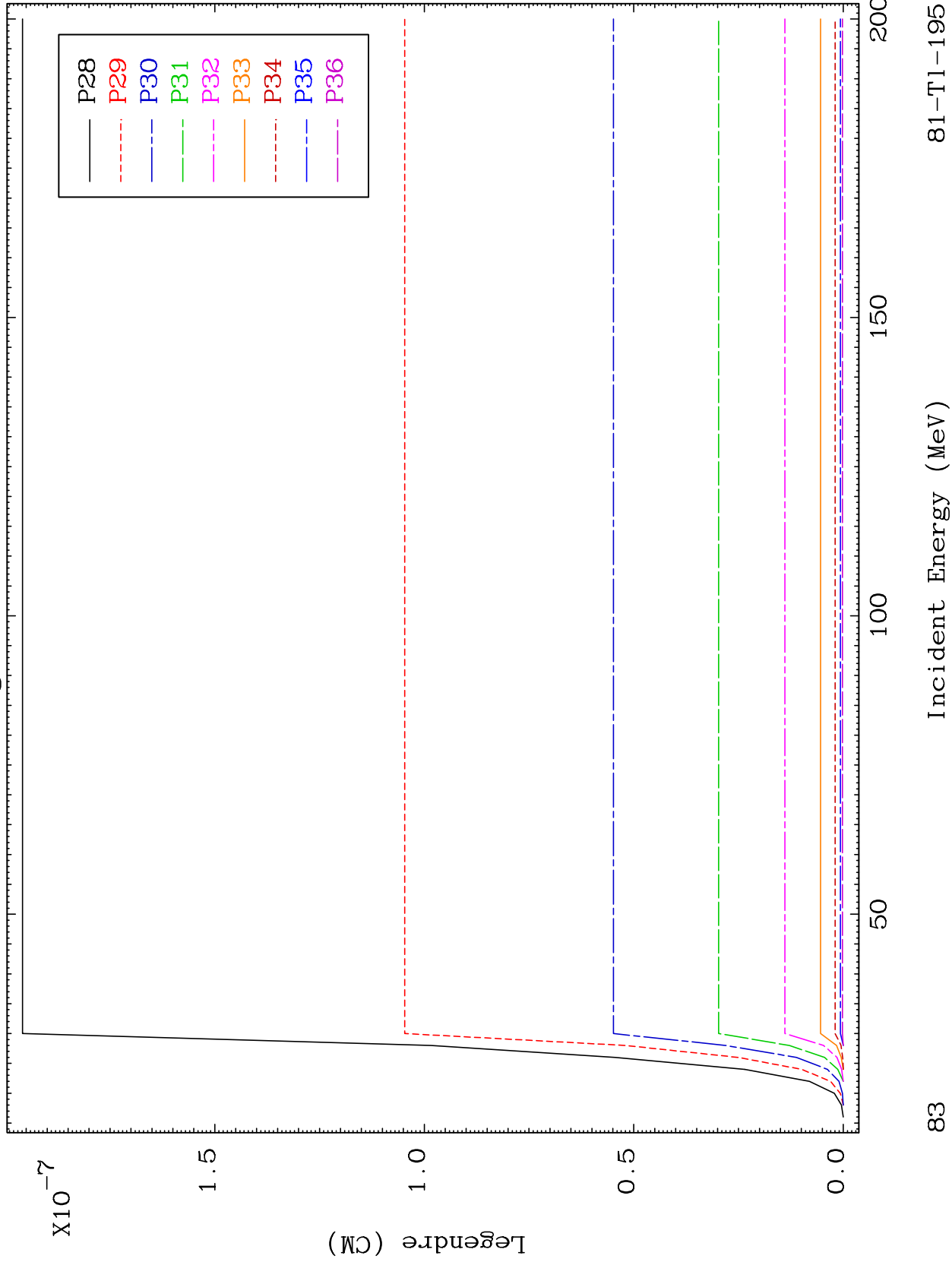
81-T1-195



MAT 8101

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

81-T1-195

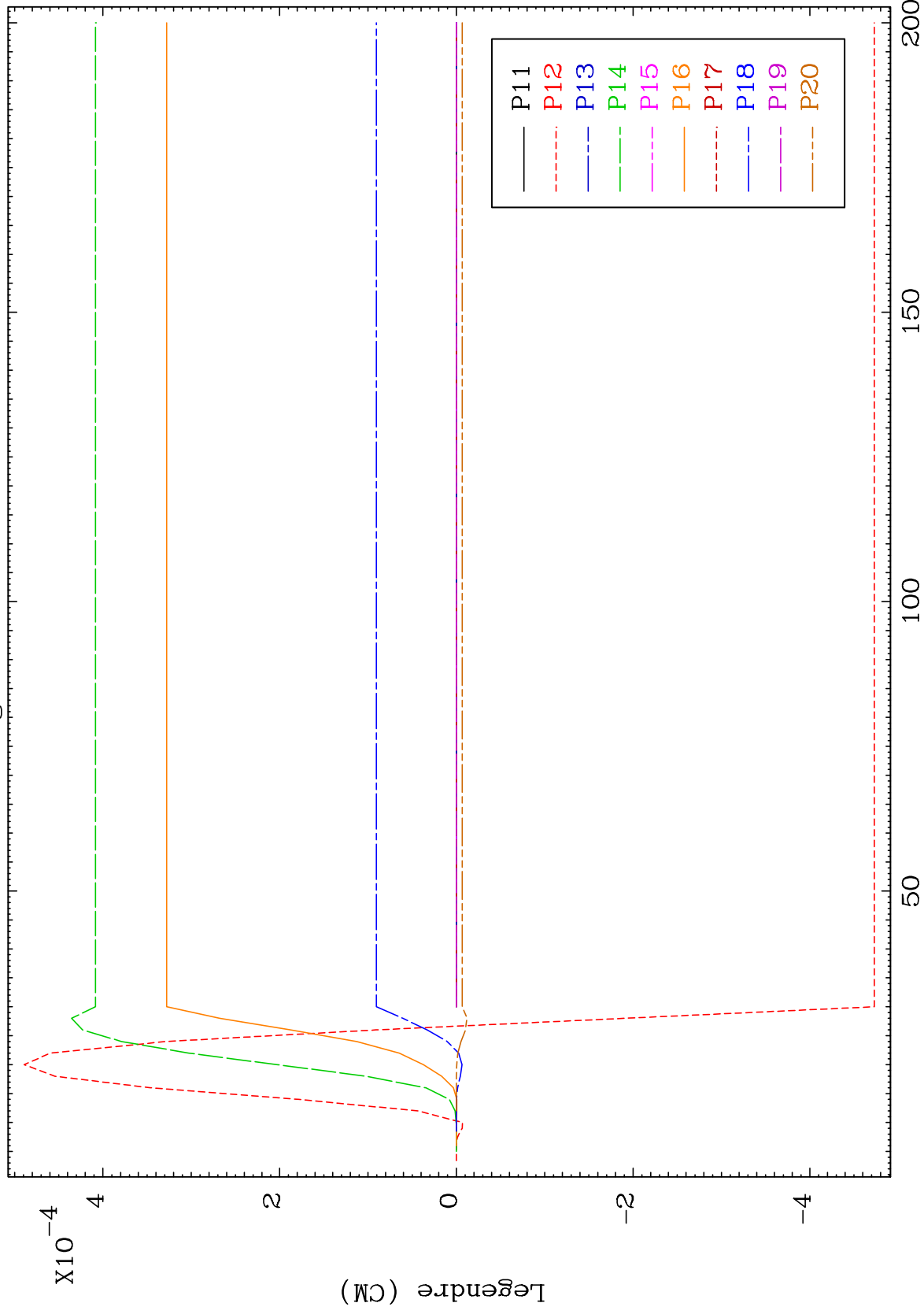




MAT 8101

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

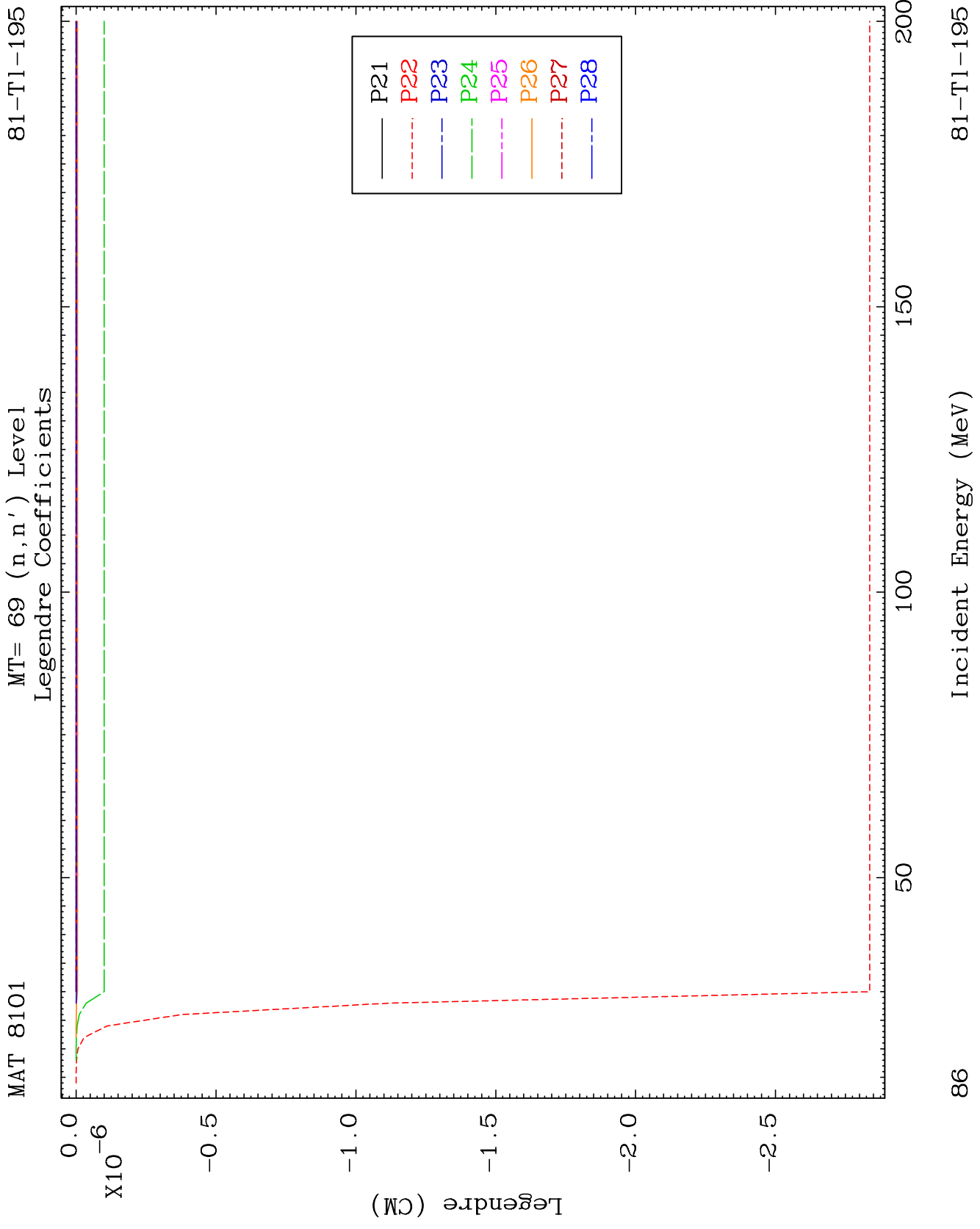
81-T1-195



85

Incident Energy (MeV)

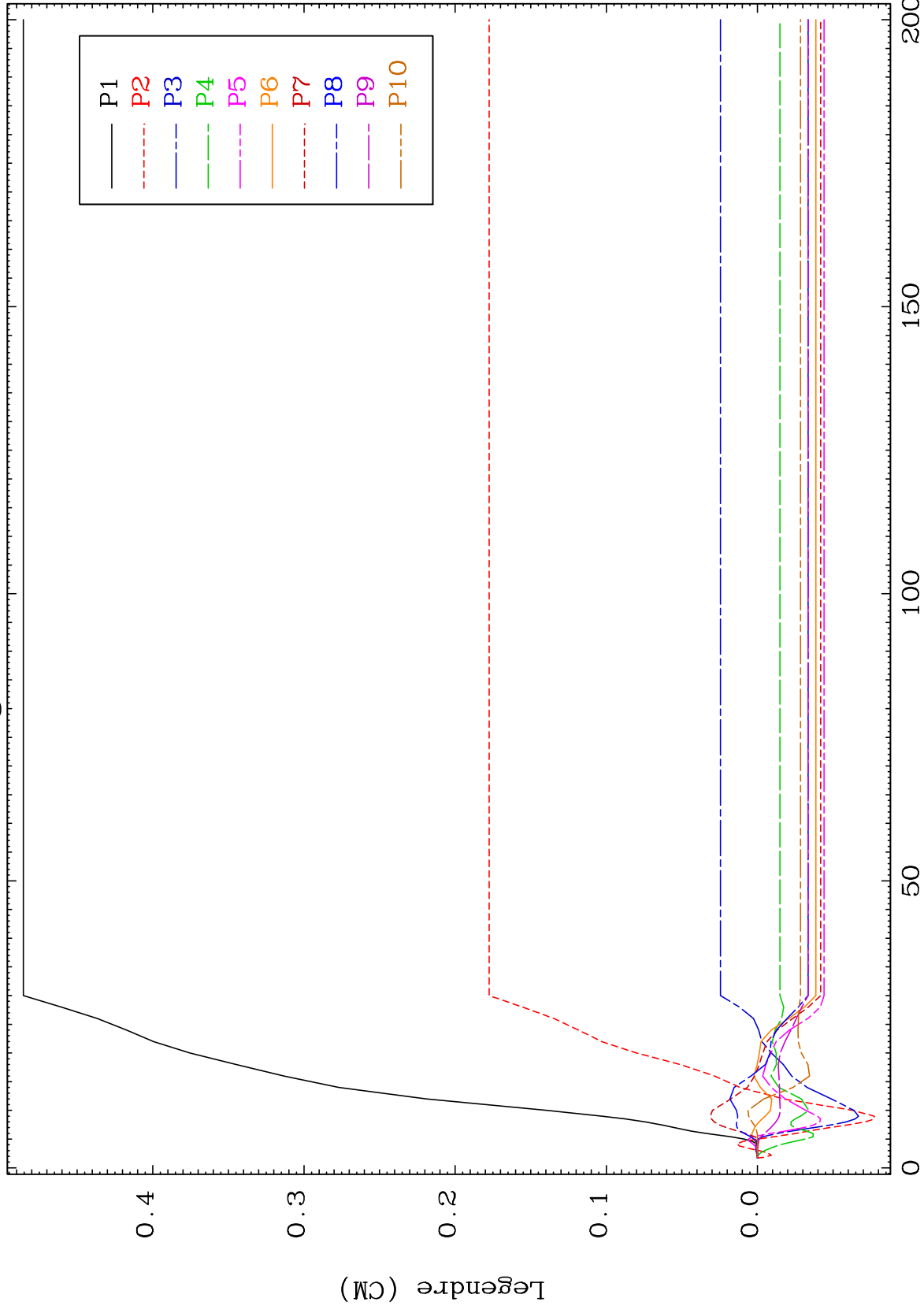
81-T1-195



MAT 8101

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

81-T1-195



87

Incident Energy (MeV)

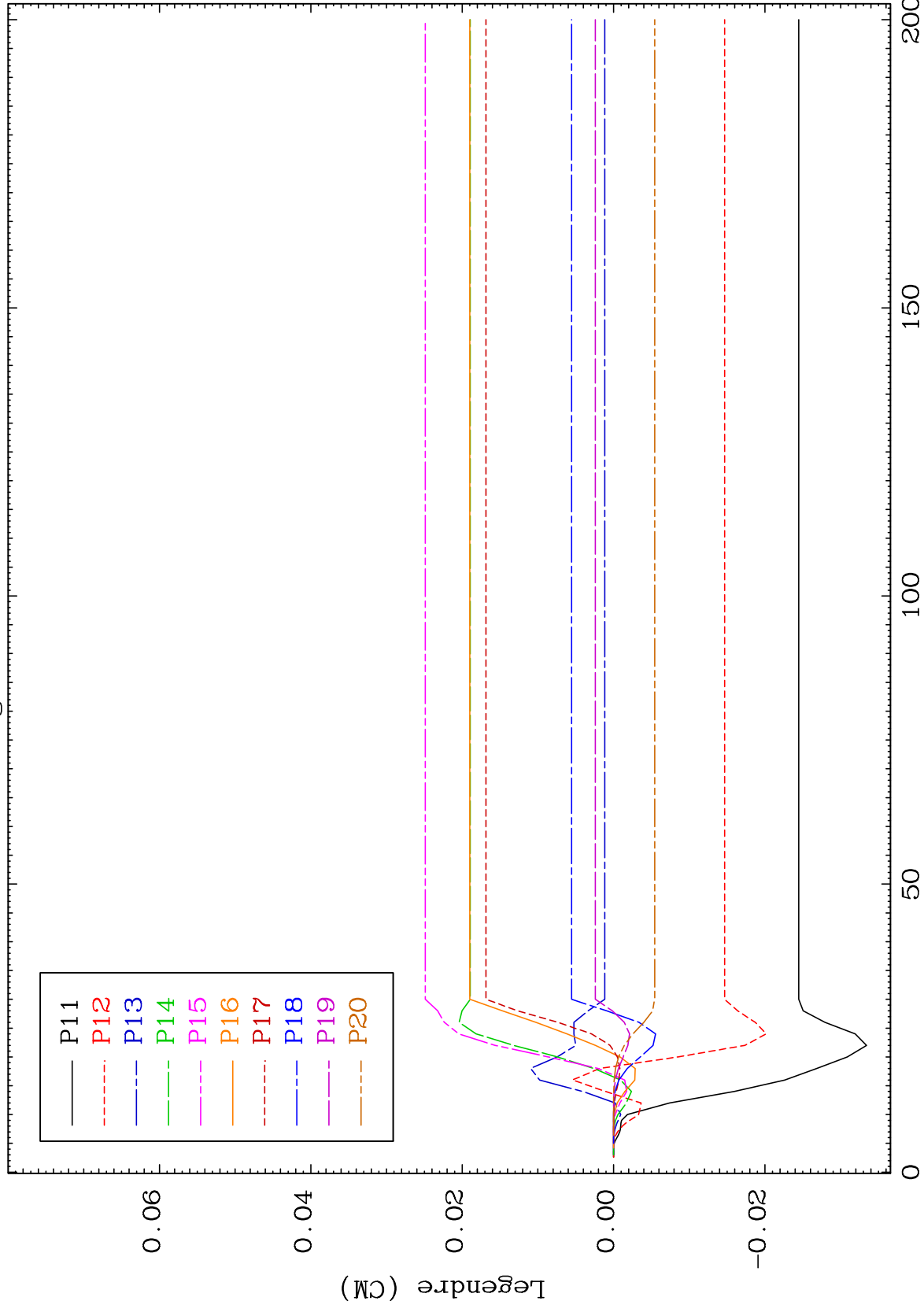
81-T1-195



MAT 8101

81-T1-195

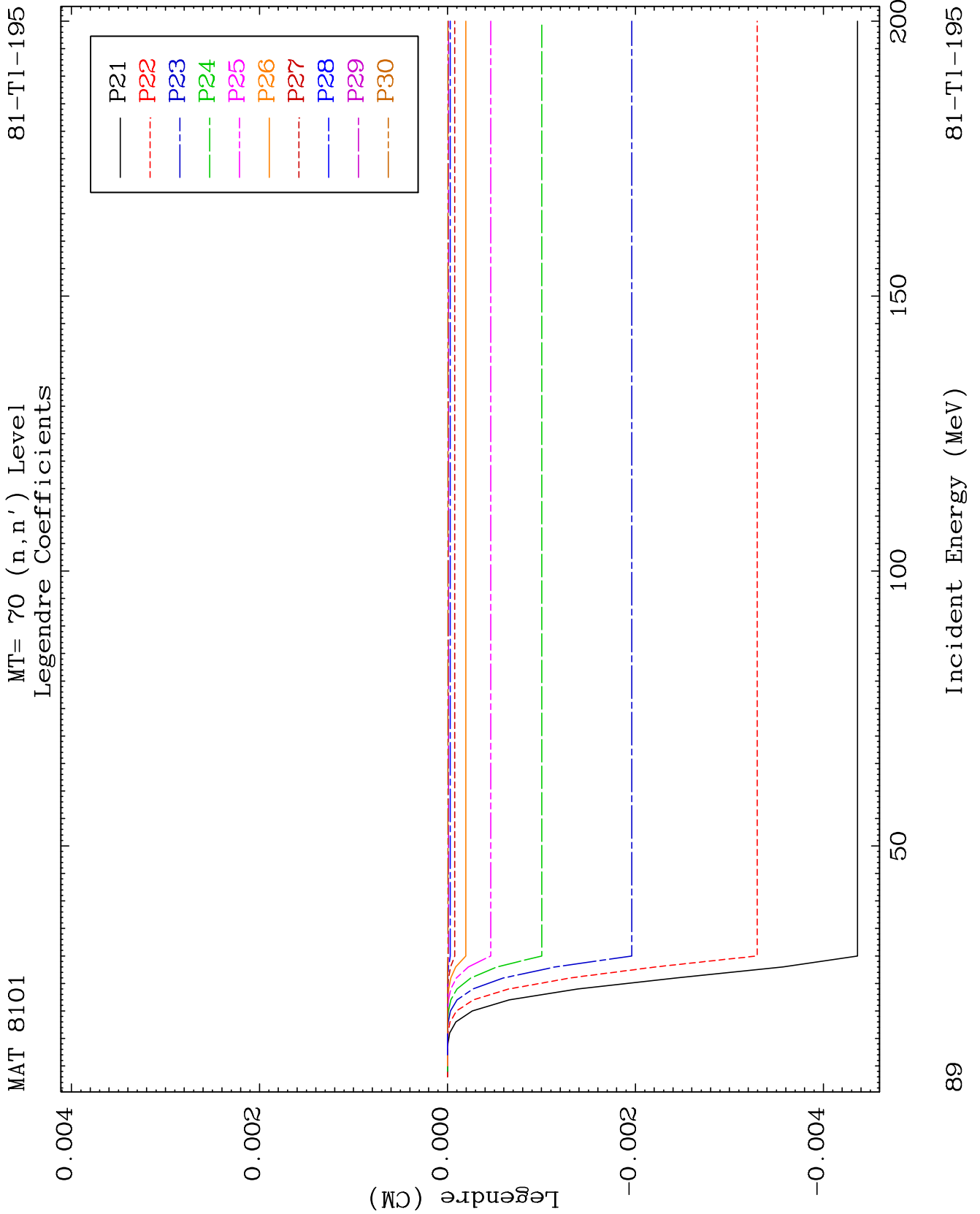
MT= 70 (n,n') Level  
Legendre Coefficients

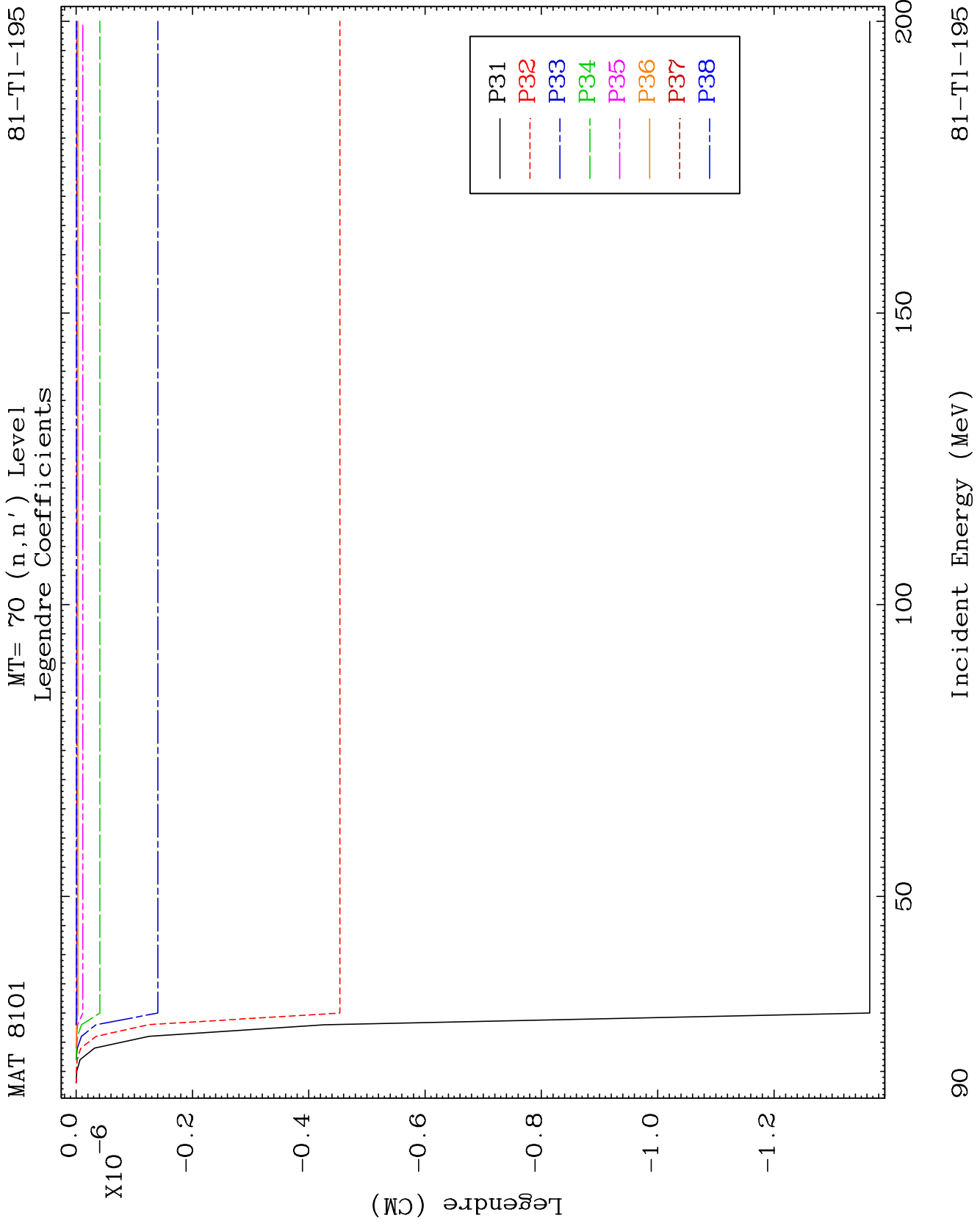


88

Incident Energy (MeV)

81-T1-195

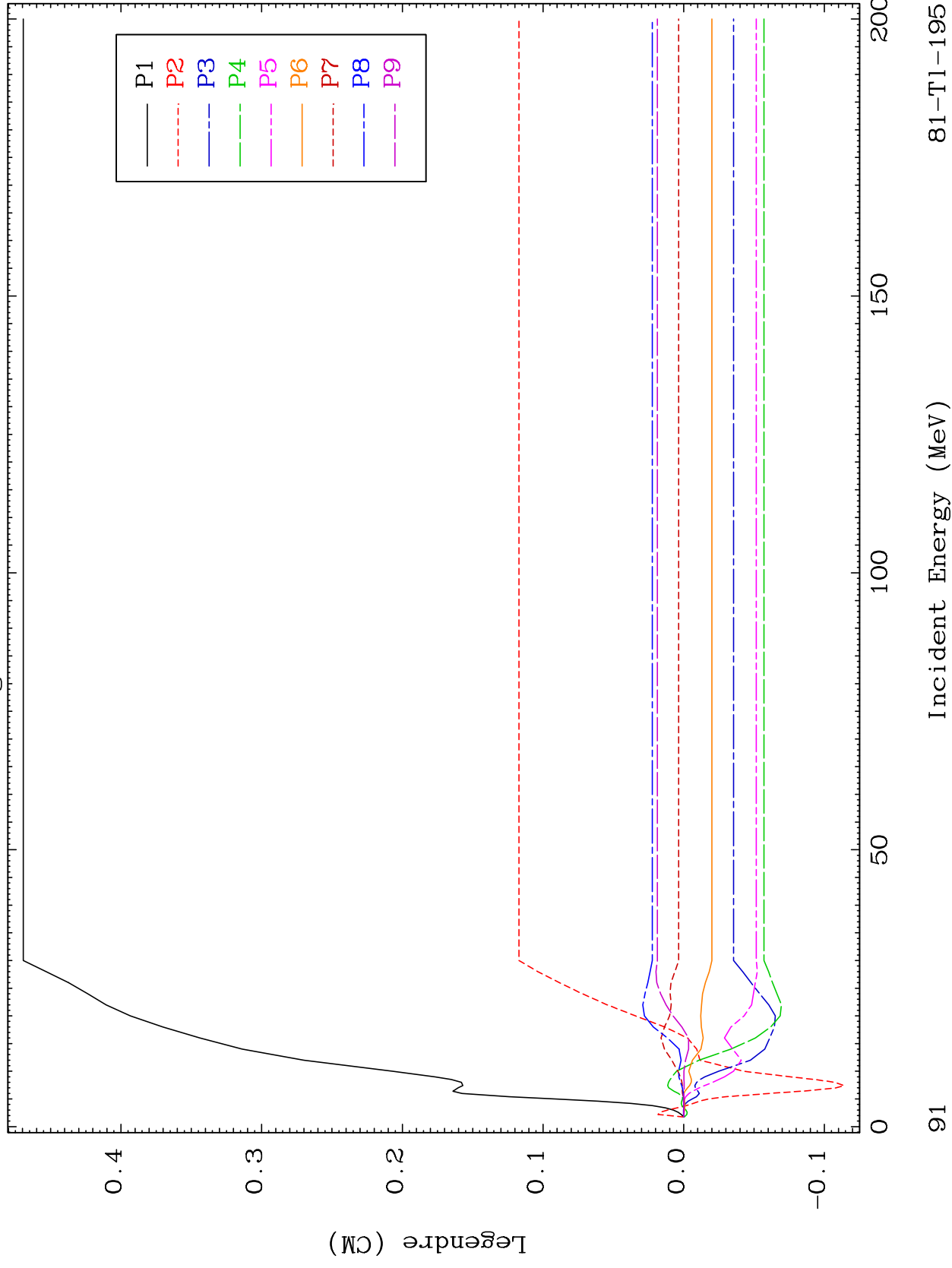




MAT 8101

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

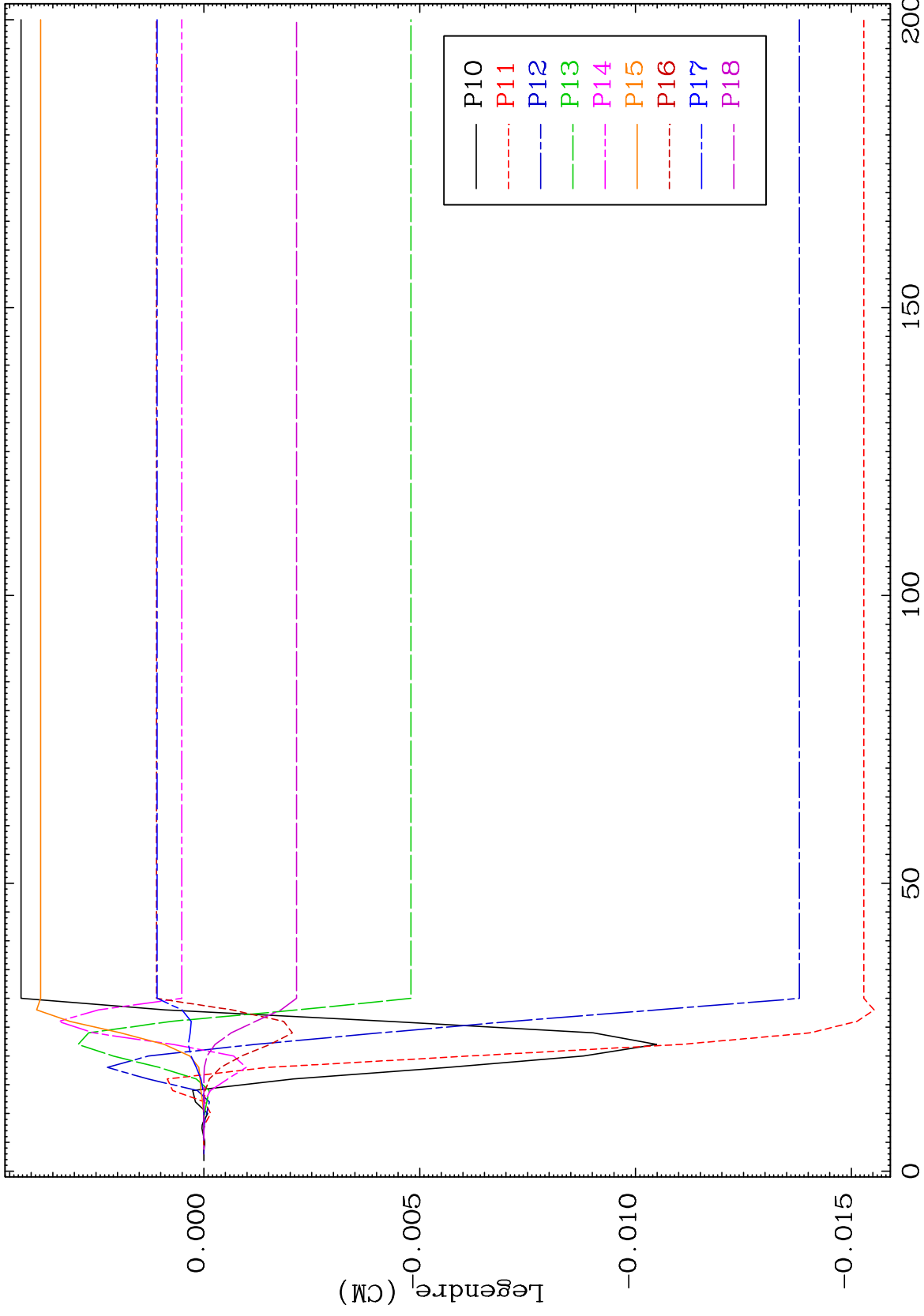
81-T1-195



MAT 8101

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

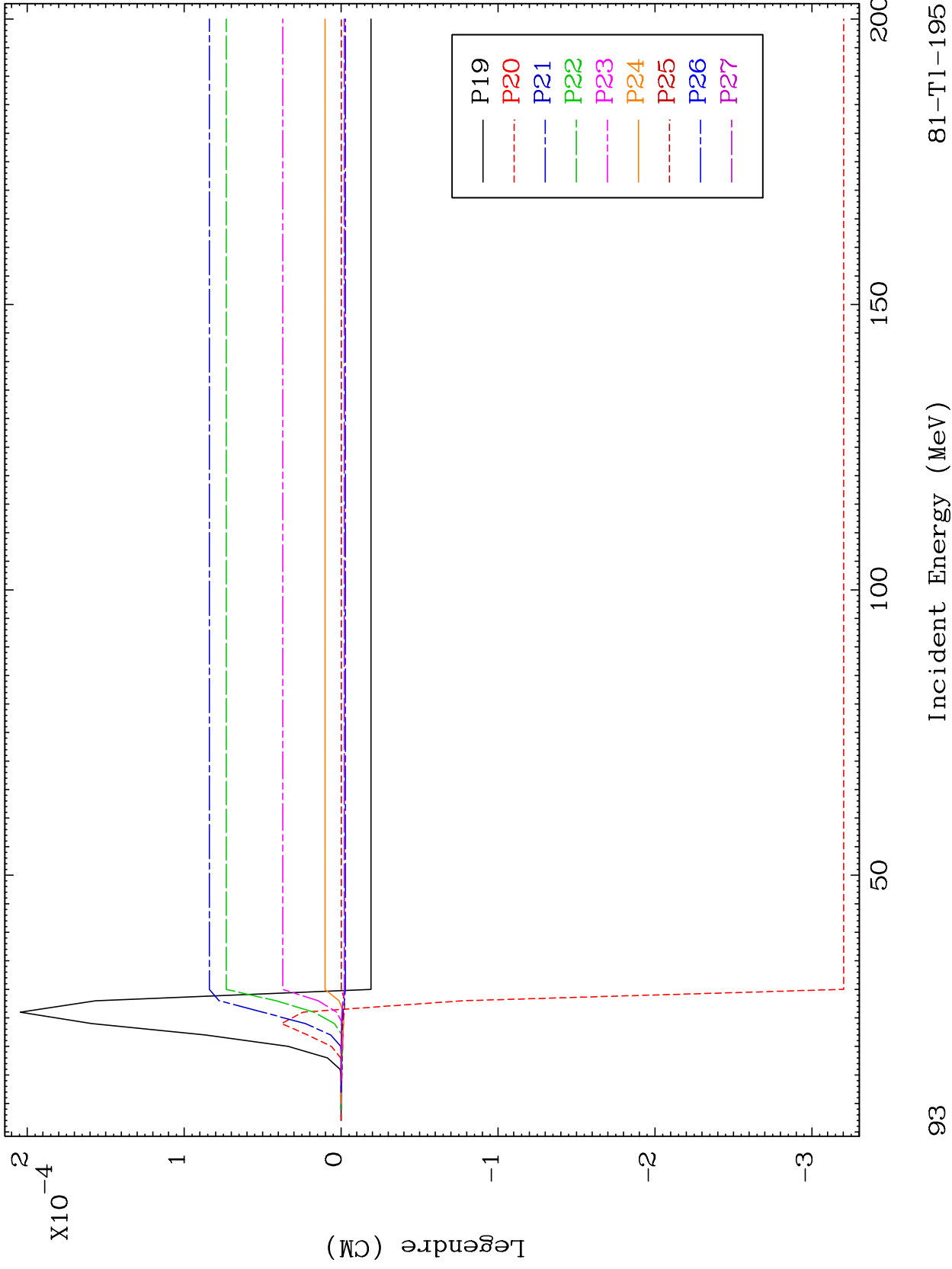
81-T1-195

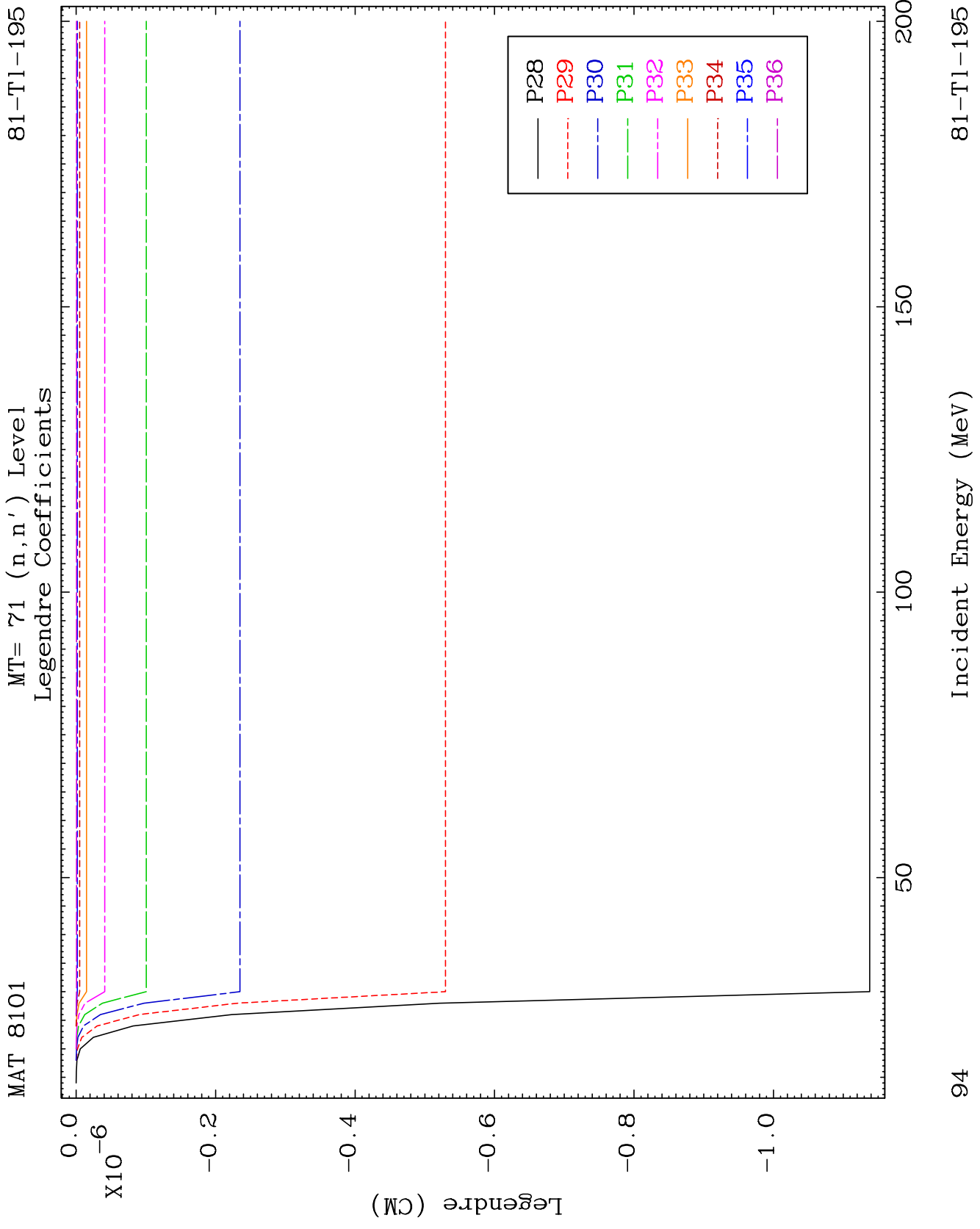


92

Incident Energy (MeV)

81-T1-195

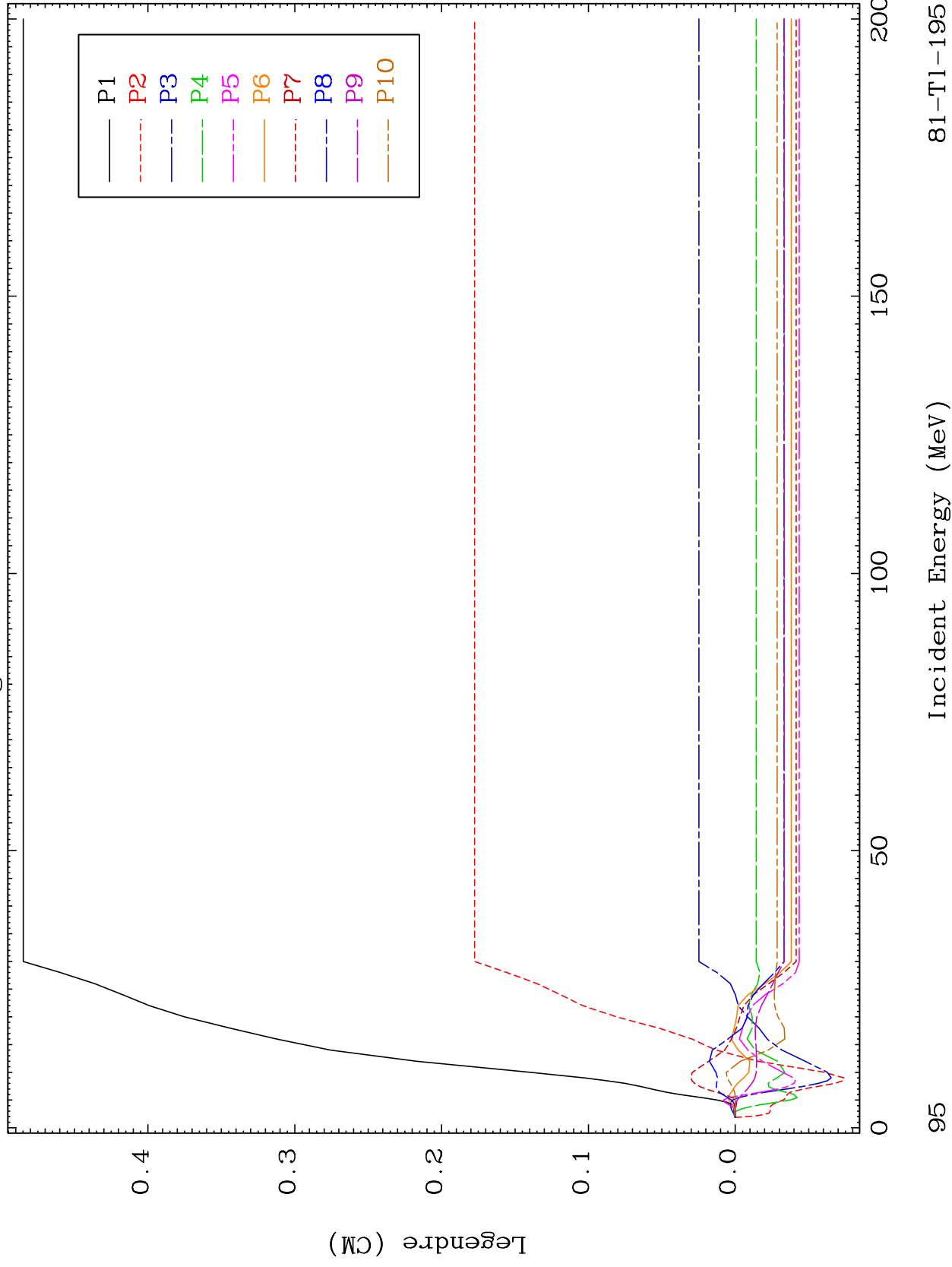




MAT 8101

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

81-T1-195



81-T1-195

Incident Energy (MeV)

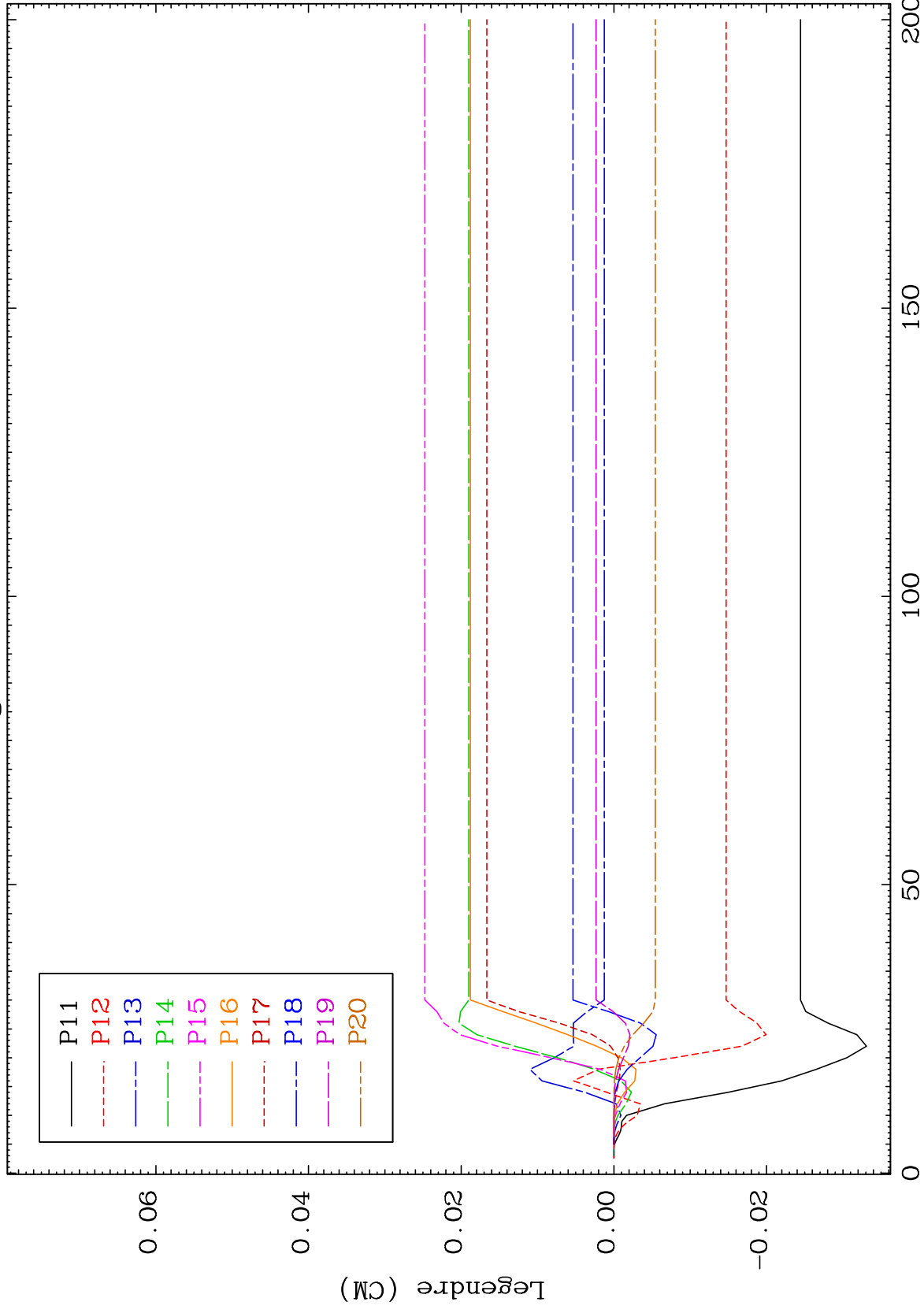
95



MAT 8101

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

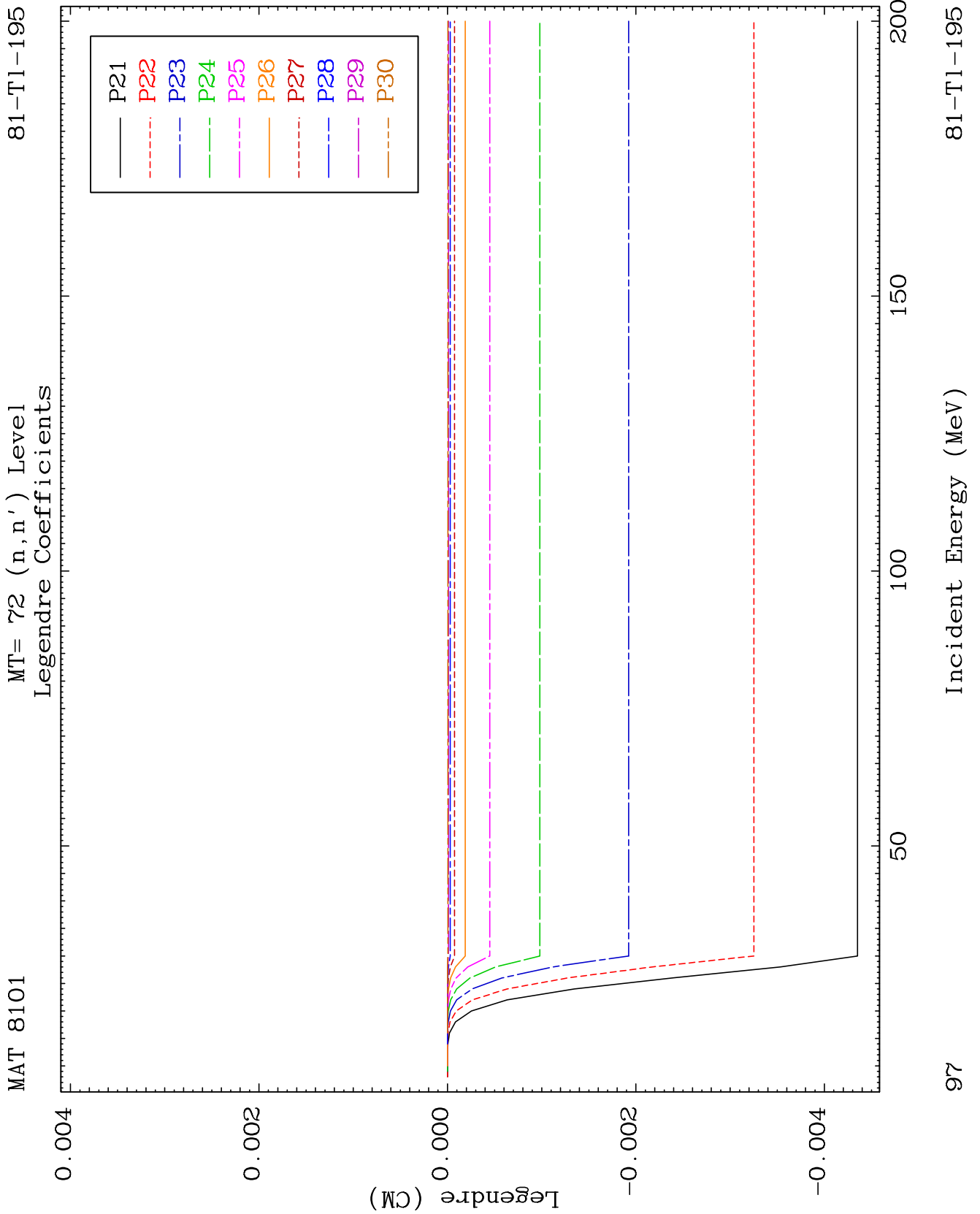
81-T1-195

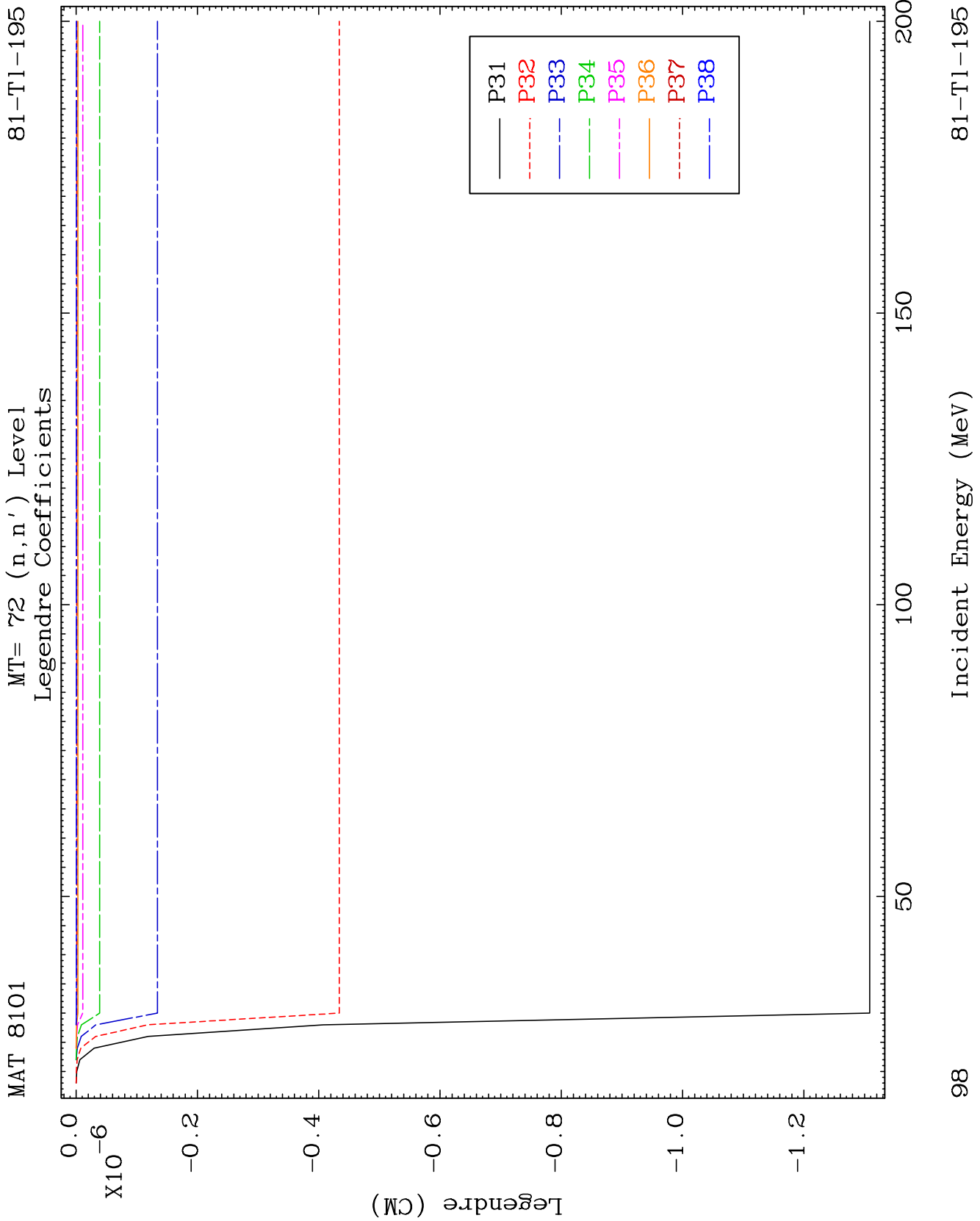


96

Incident Energy (MeV)

81-T1-195

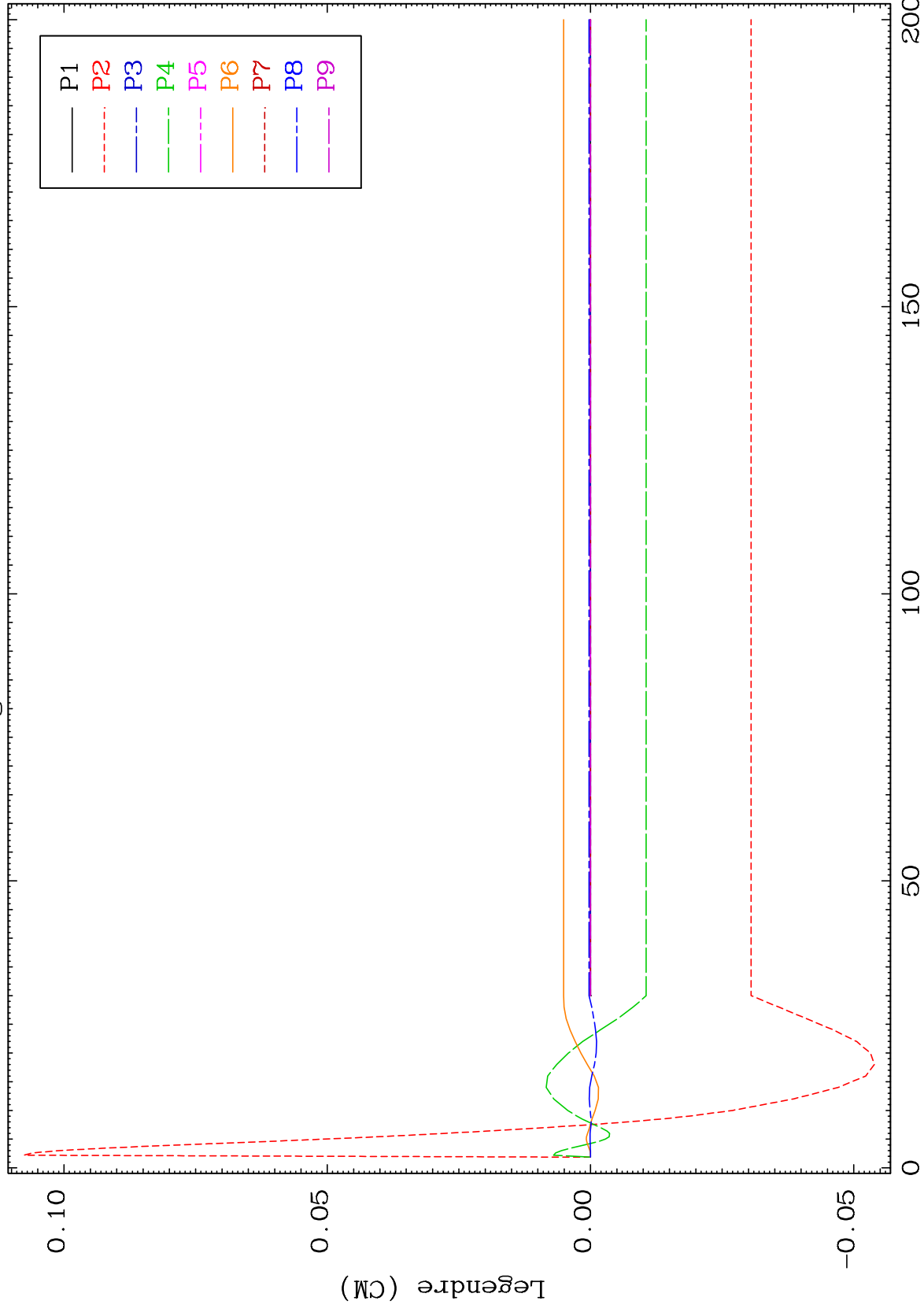




MAT 8101

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

81-T1-195



99

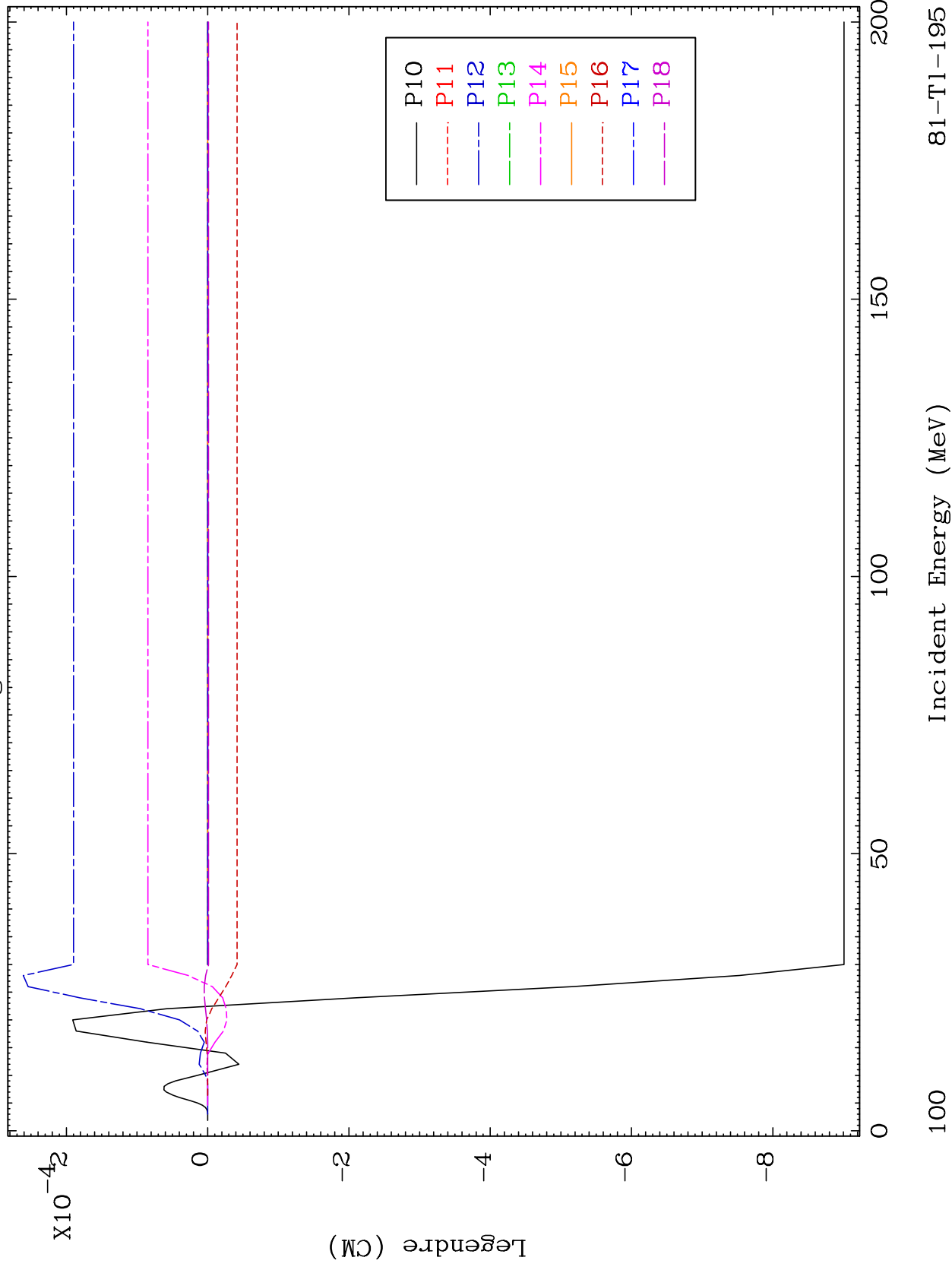
Incident Energy (MeV)

81-T1-195

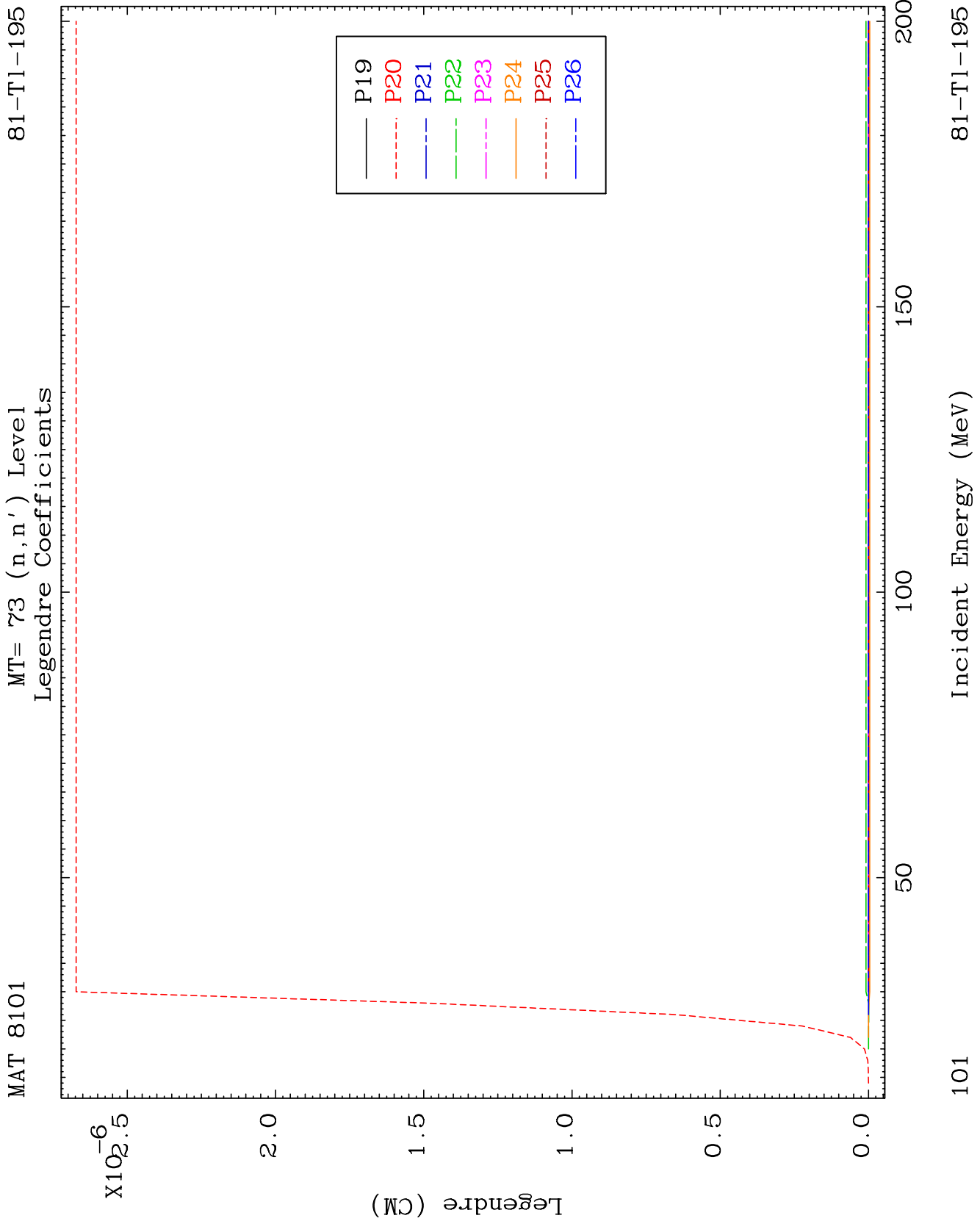
MAT 8101

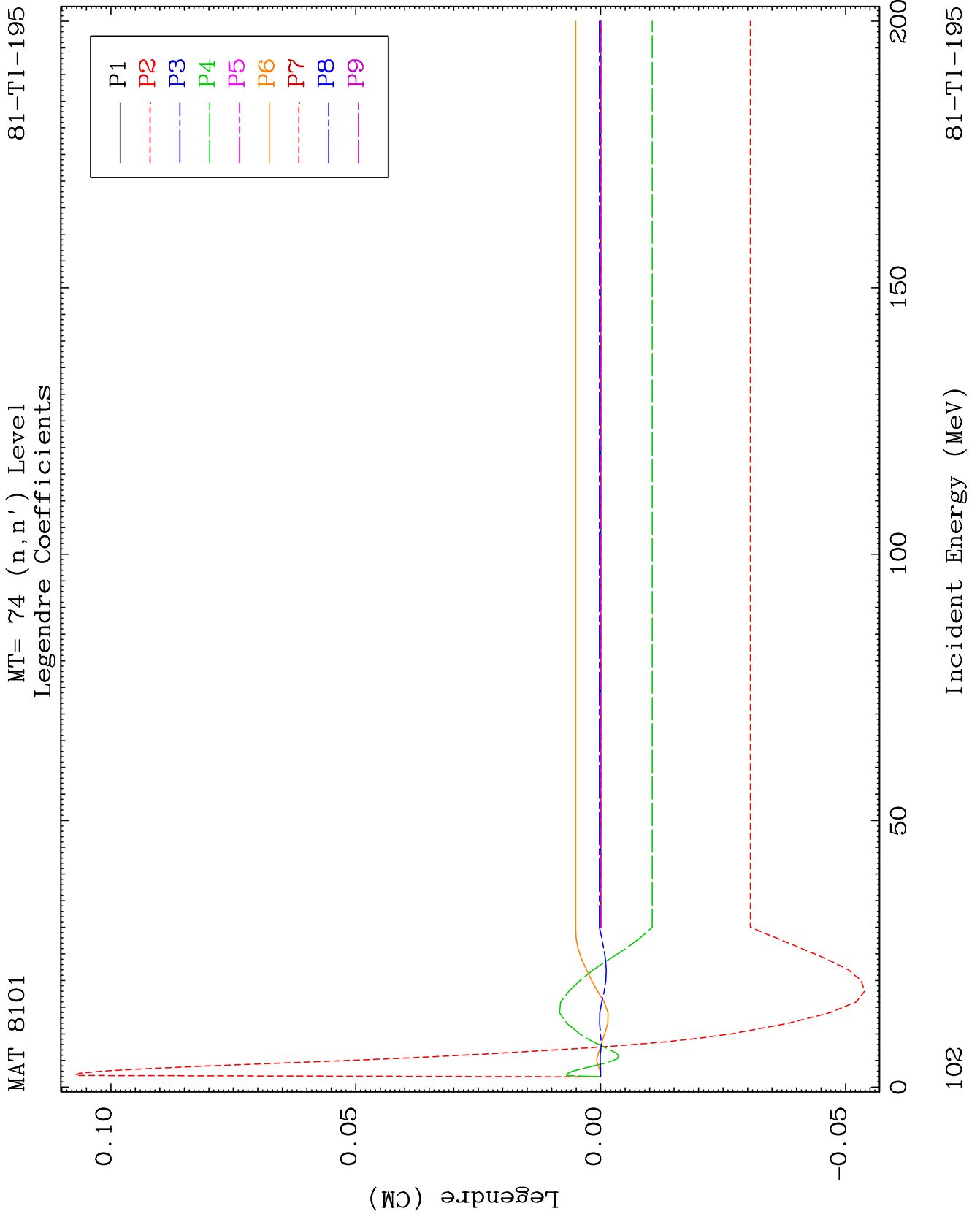
MT= 73 (n,n') Level  
Legendre Coefficients

81-T1-195



81-T1-195

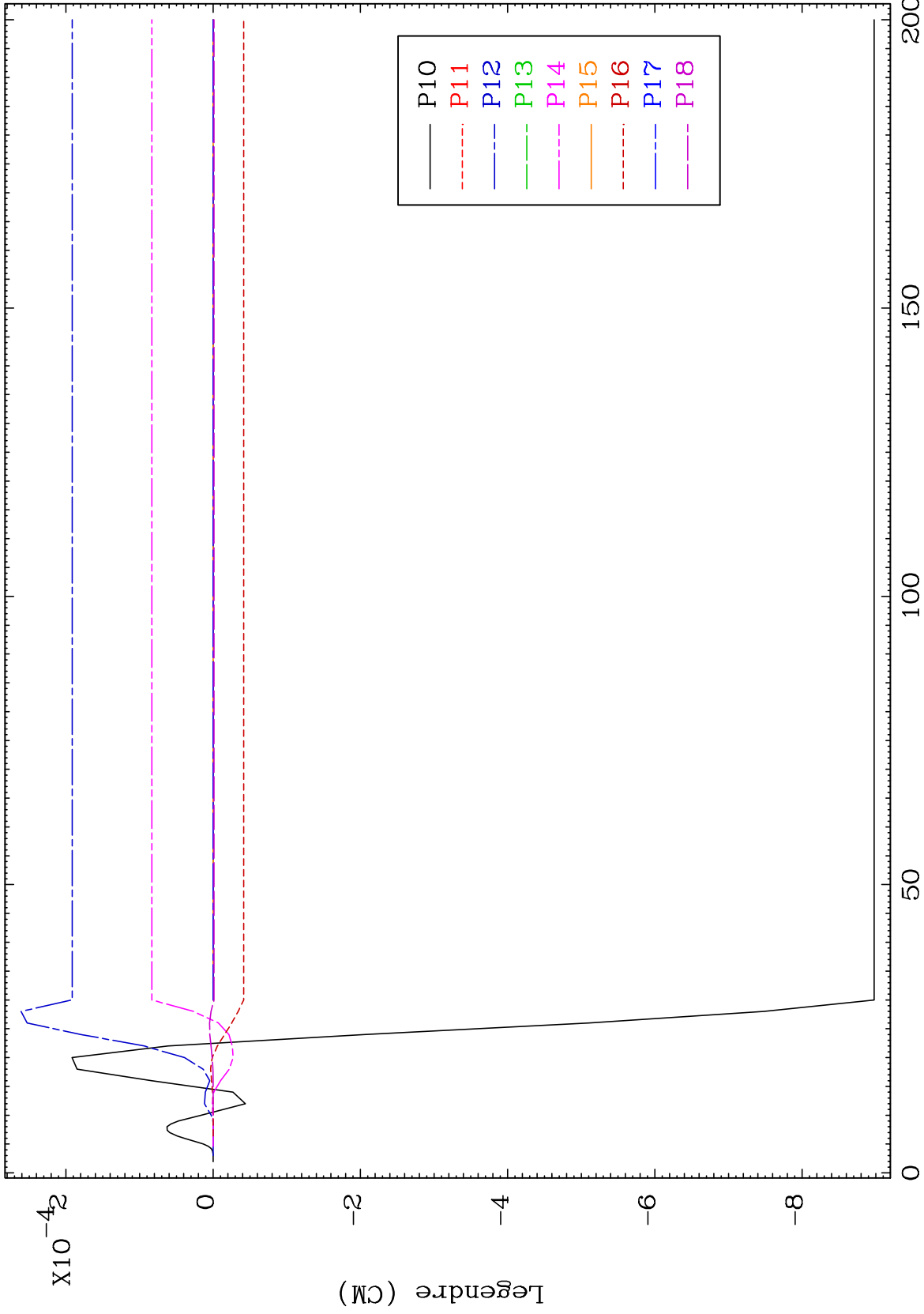




MAT 8101

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

81-T1-195



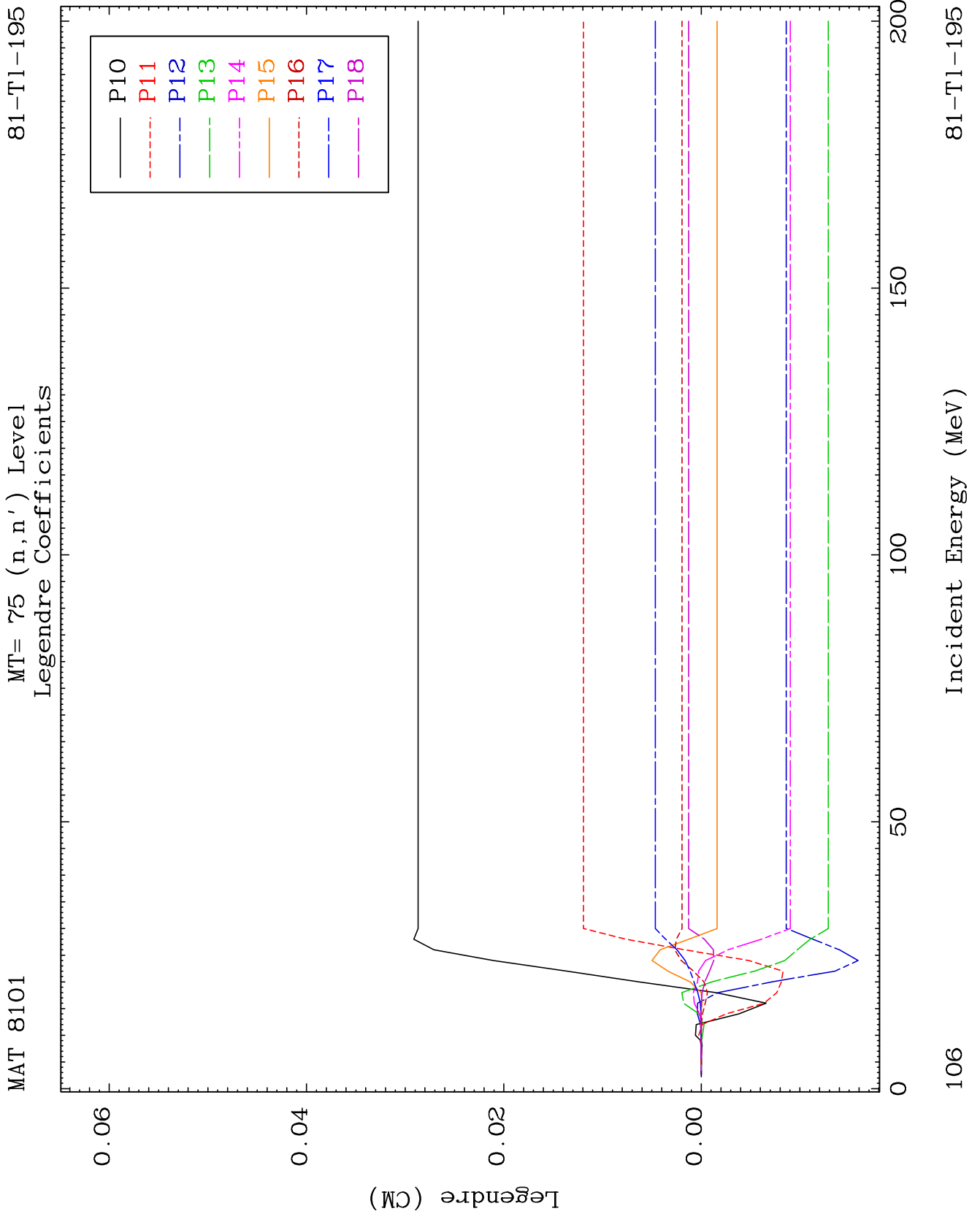
103

81-T1-195





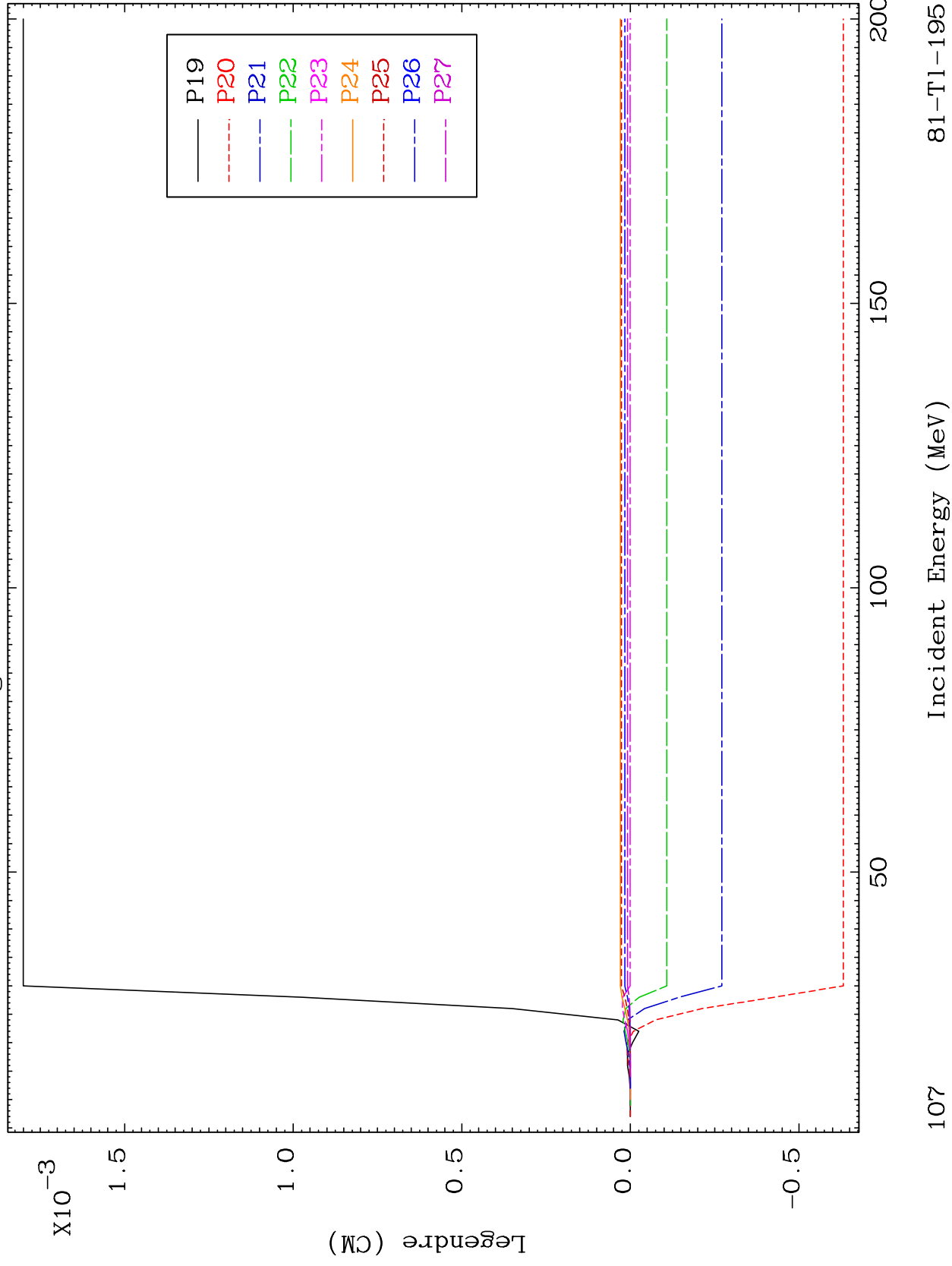




MAT 8101

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

81-T1-195



107

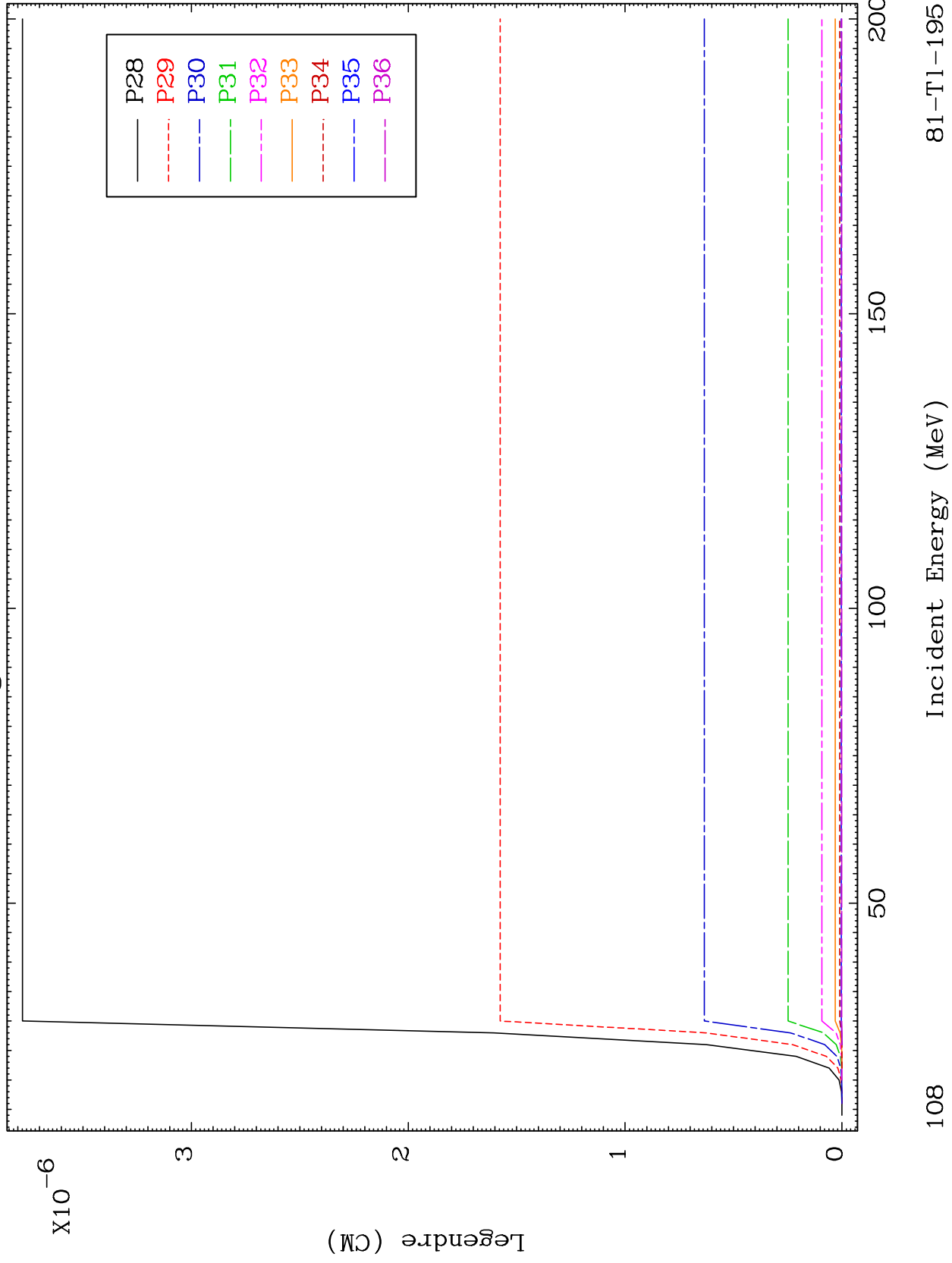
Incident Energy (MeV)

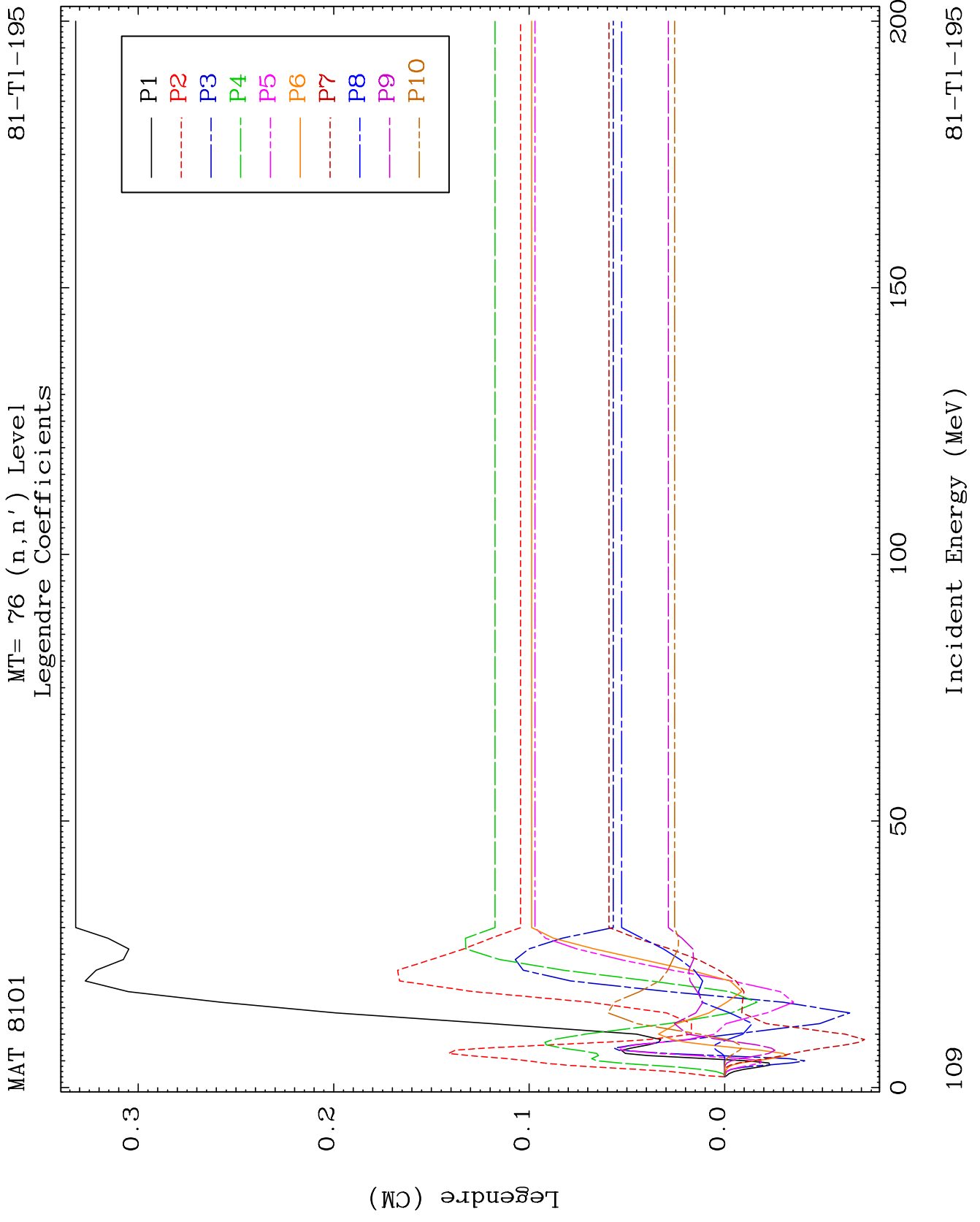
81-T1-195

MAT 8101

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

81-T1-195

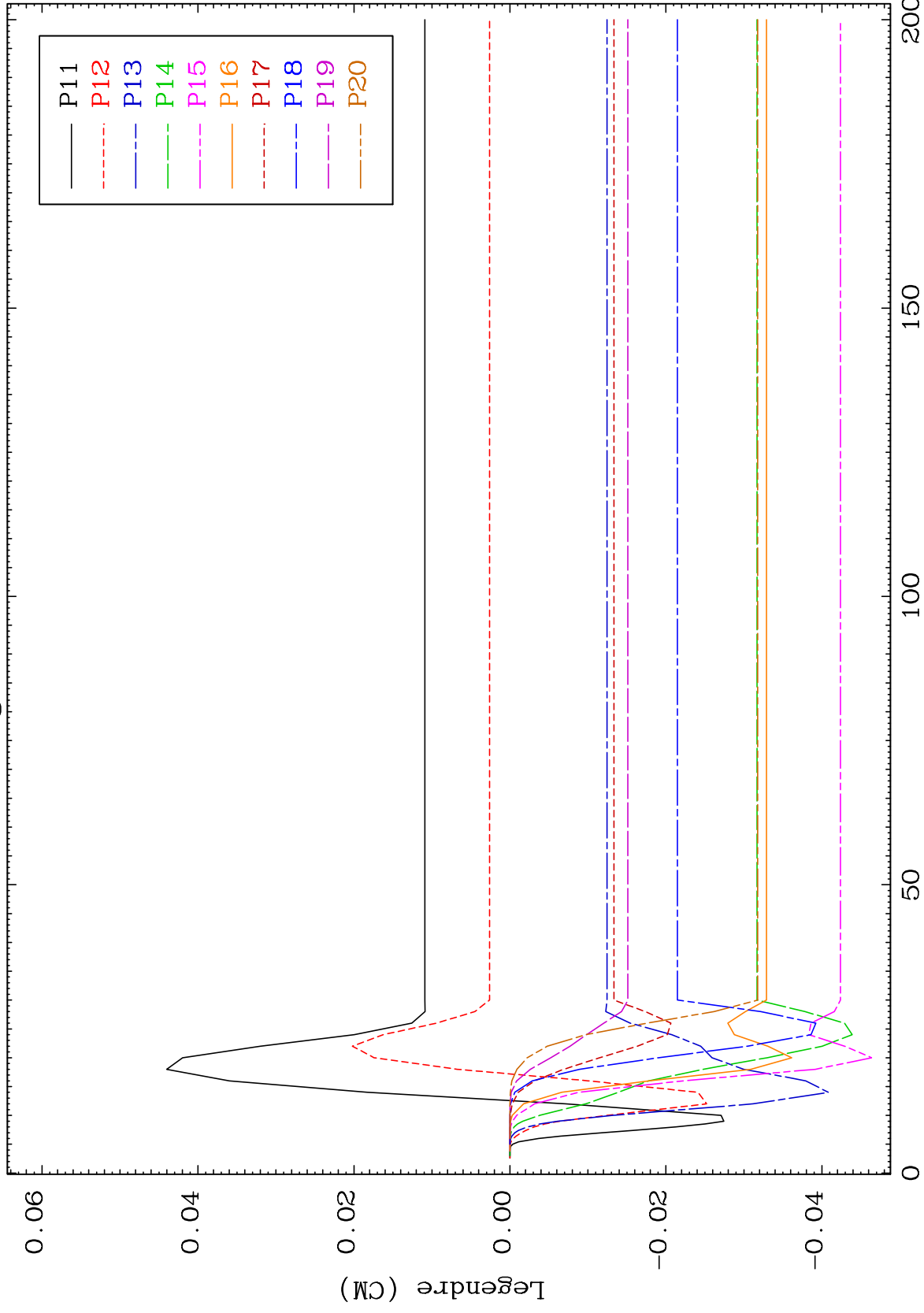




MAT 8101

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

81-T1-195



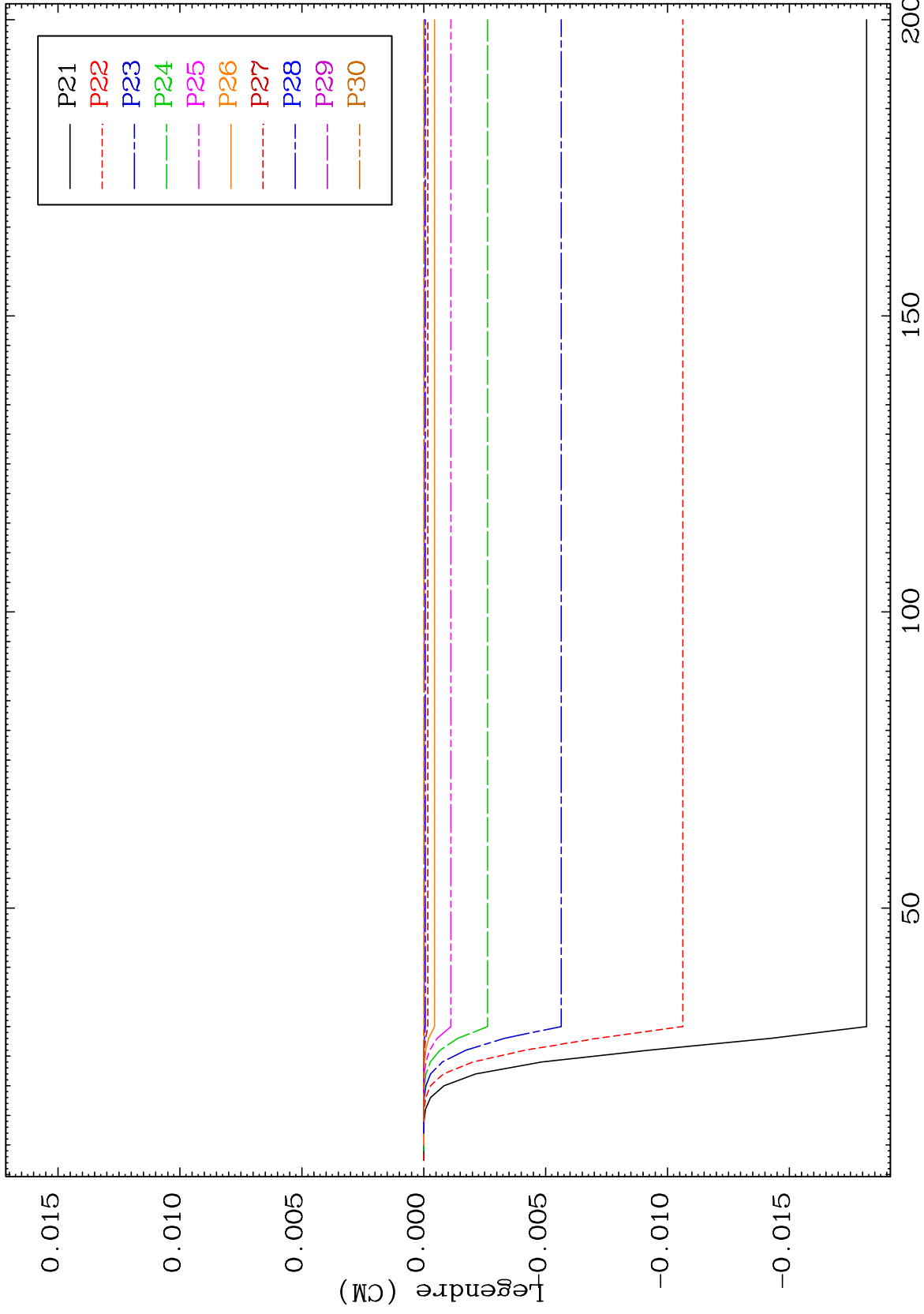
110

81-T1-195

MAT 8101

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

81-T1-195

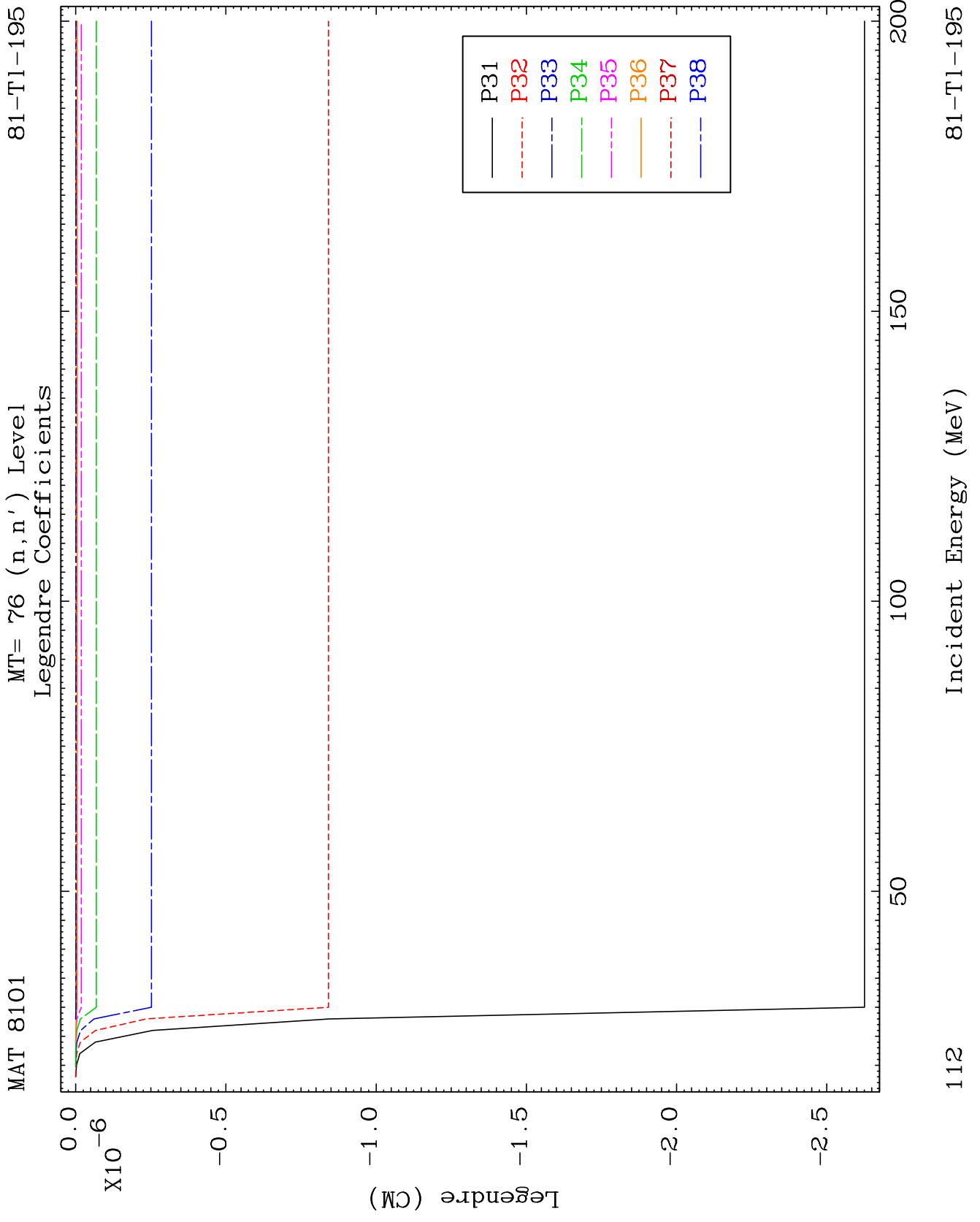


111

Incident Energy (MeV)

81-T1-195

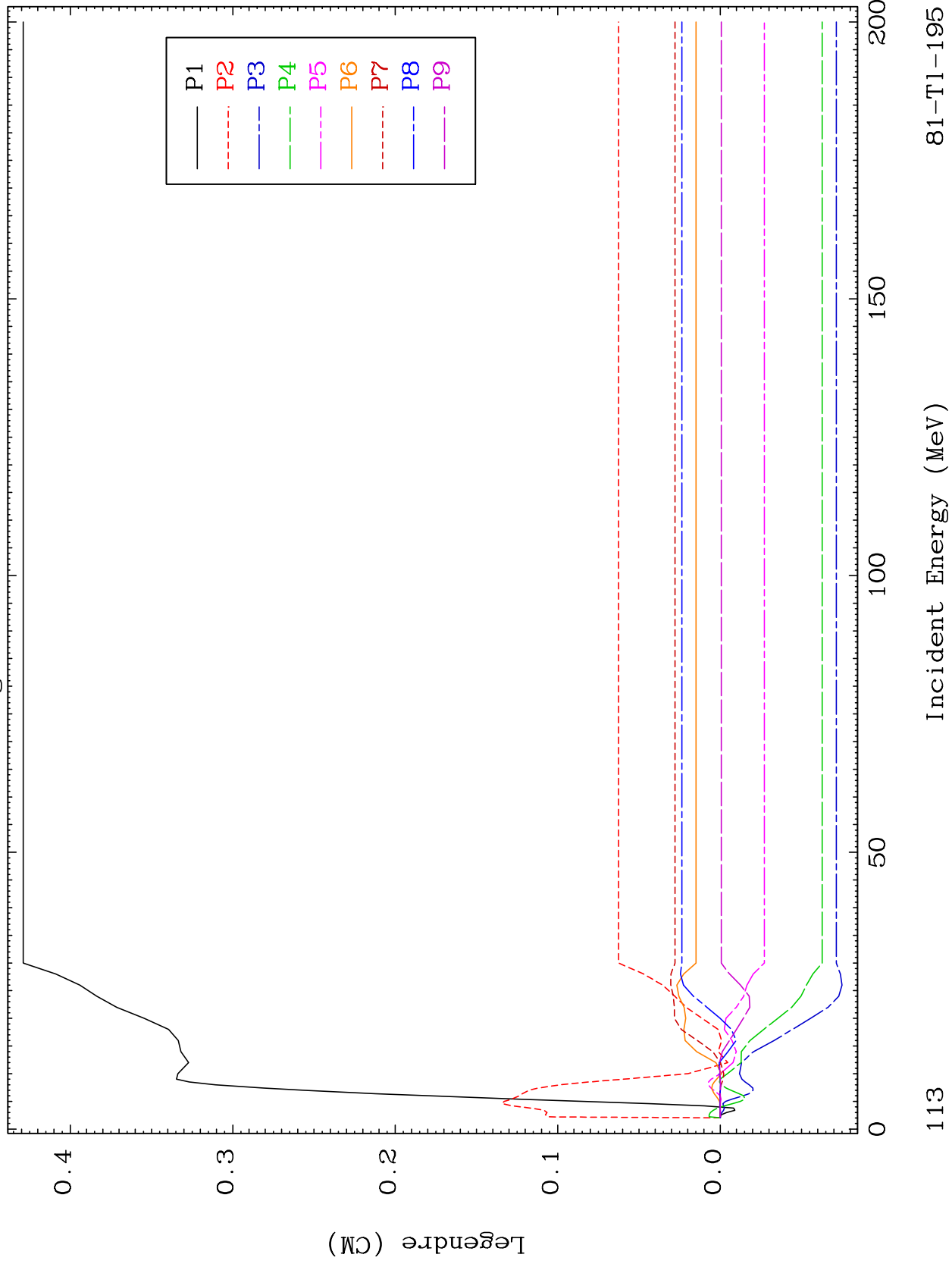




MAT 8101

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

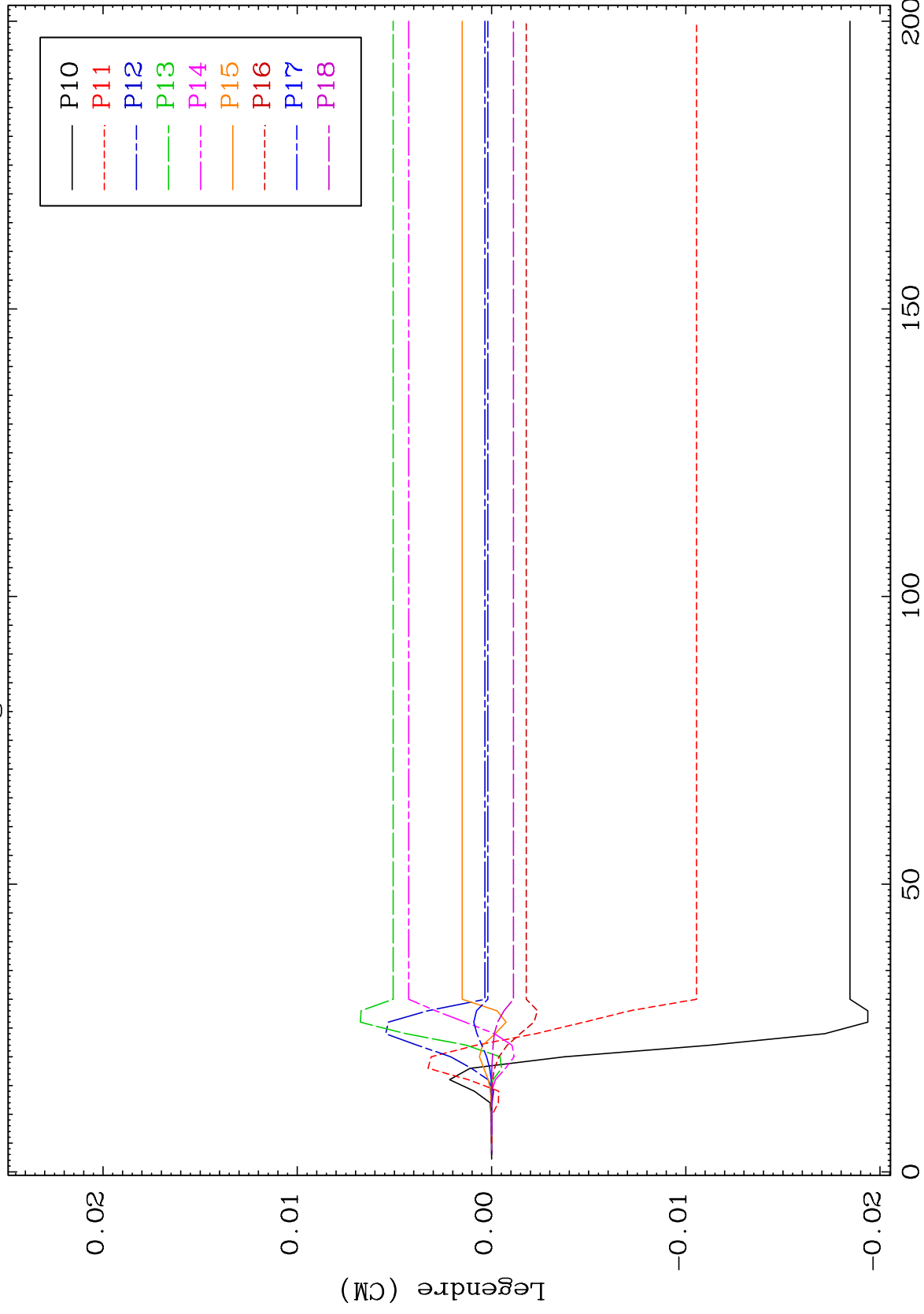
81-T1-195



MAT 8101

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

81-T1-195



114

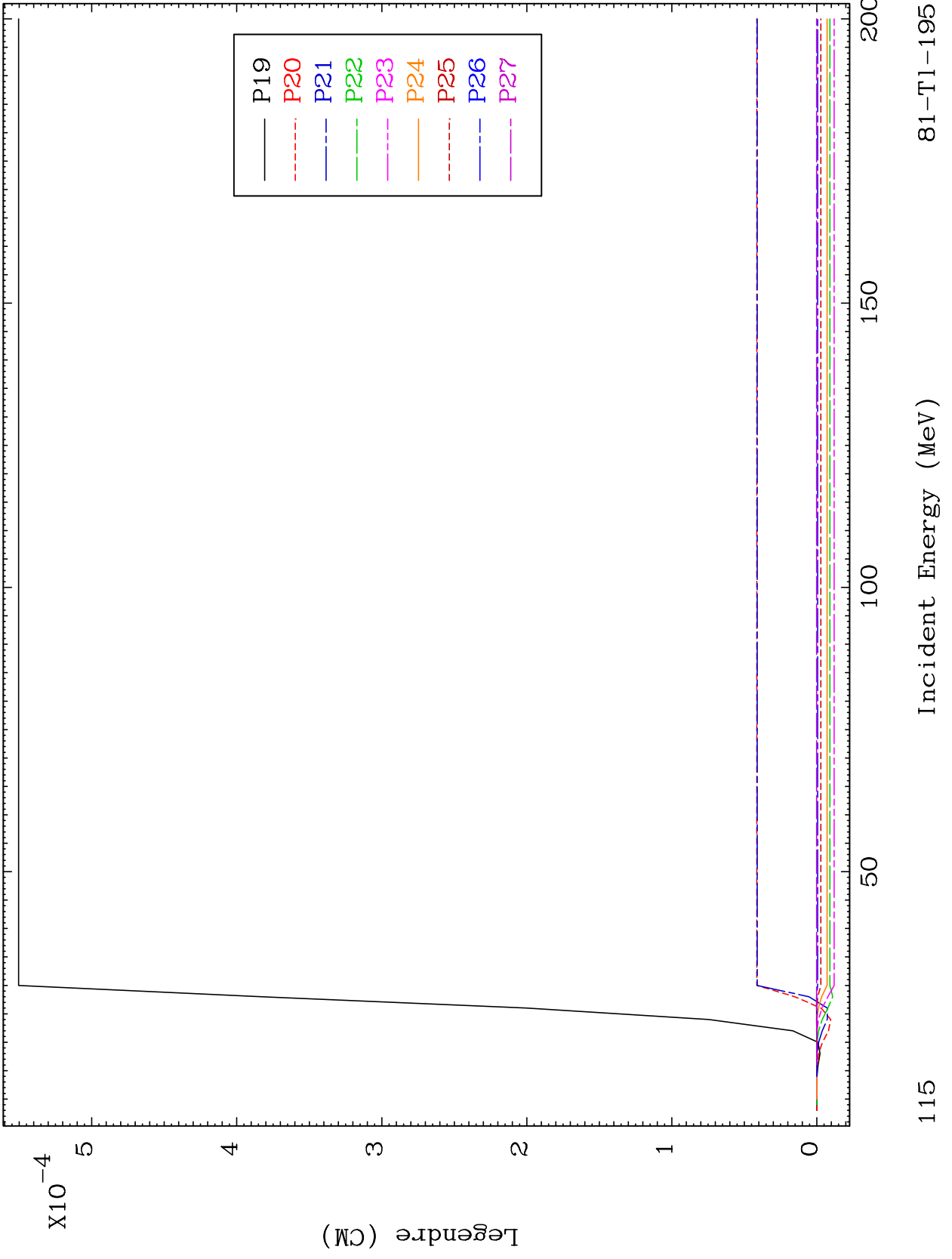
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195

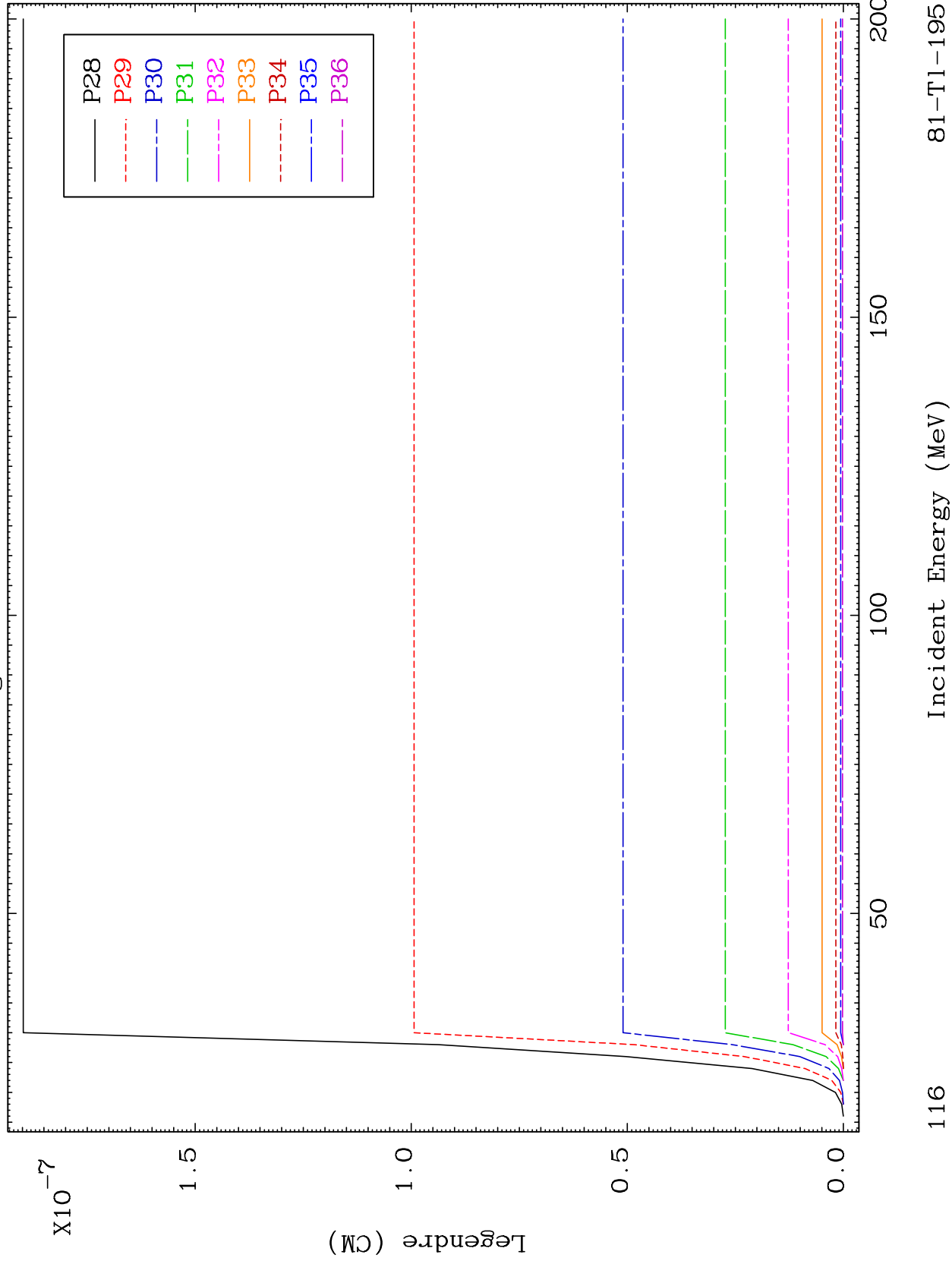


115

MAT 8101

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

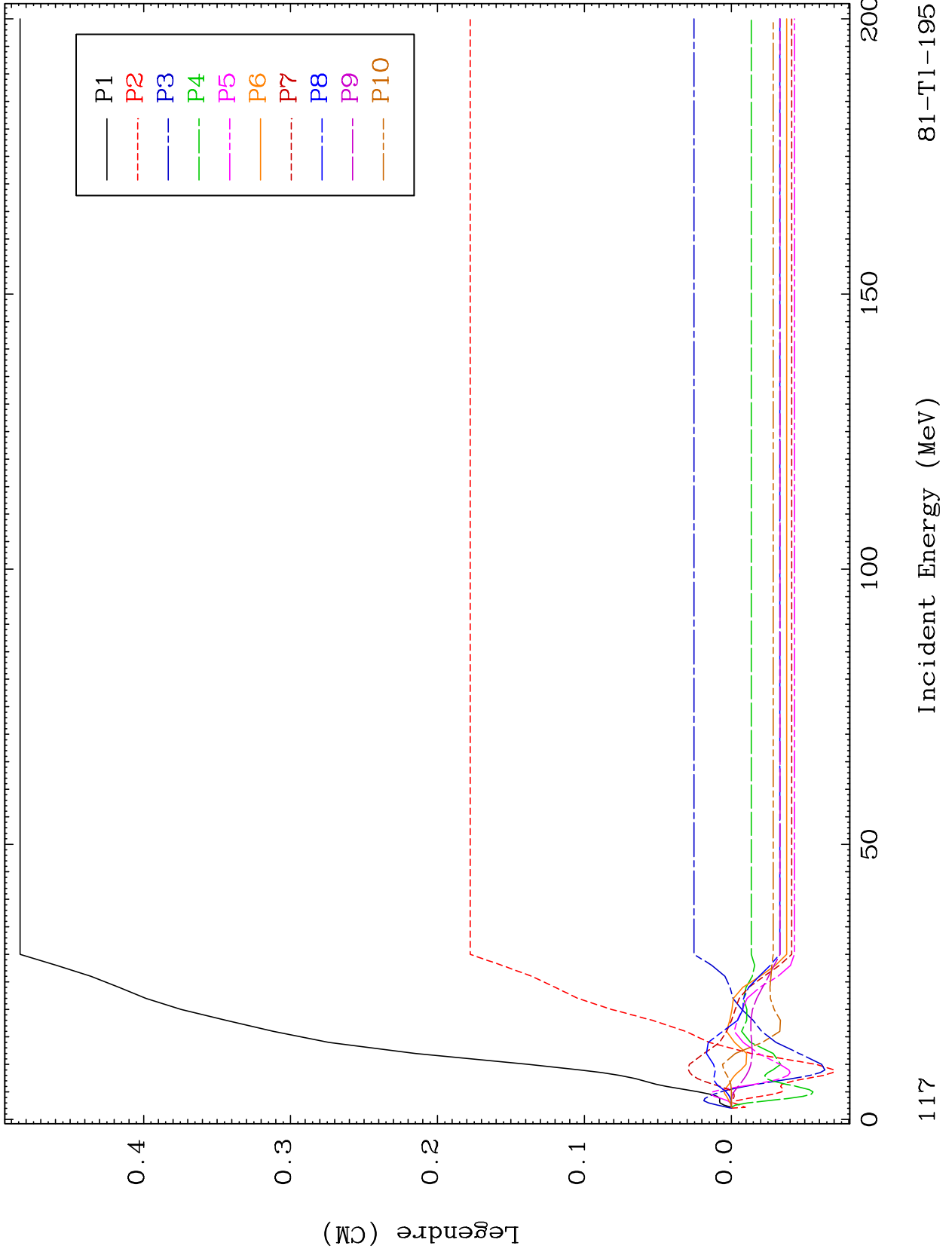
81-T1-195



MAT 8101

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

81-T1-195



117

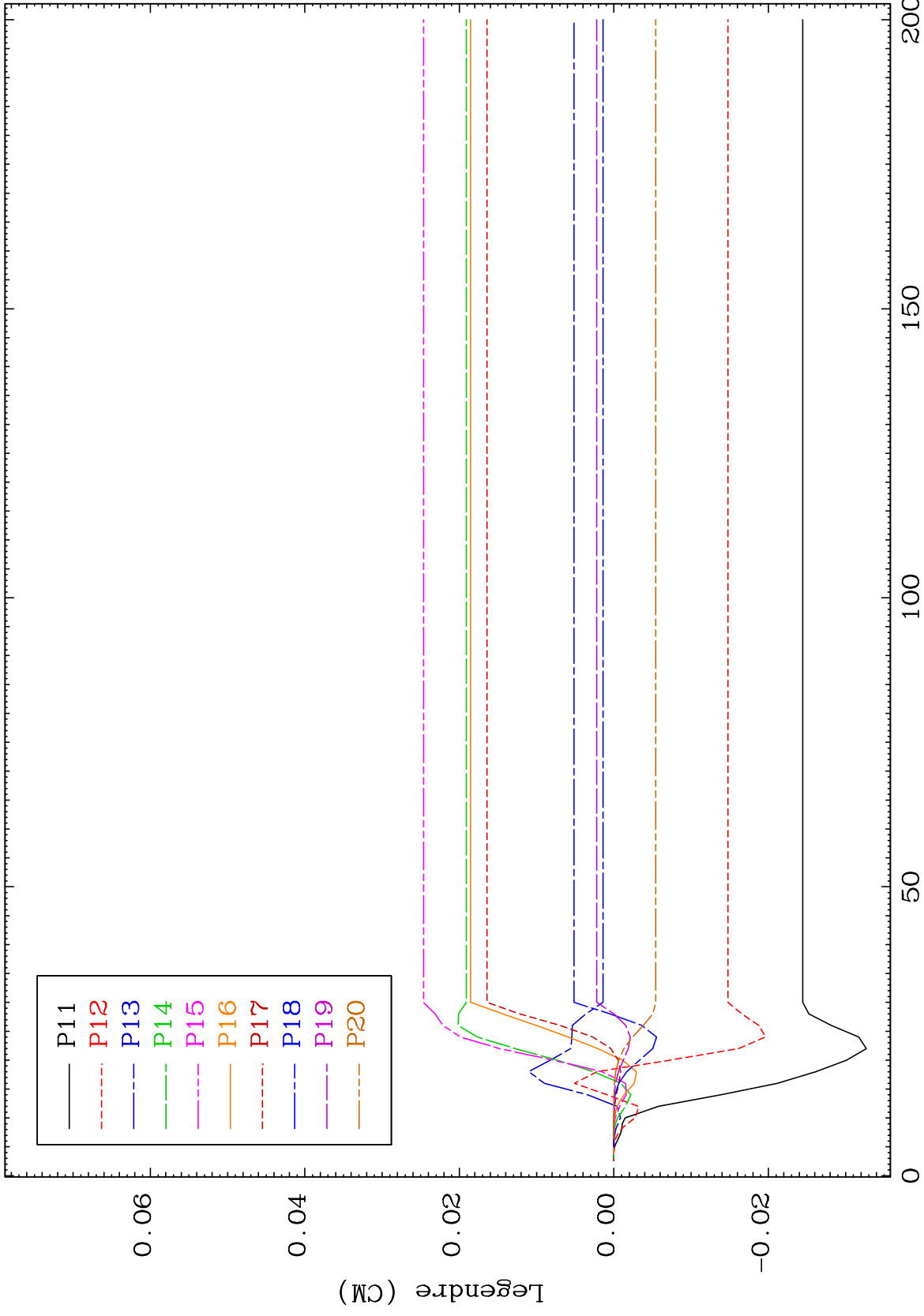
Incident Energy (MeV)

81-T1-195

MAT 8101

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

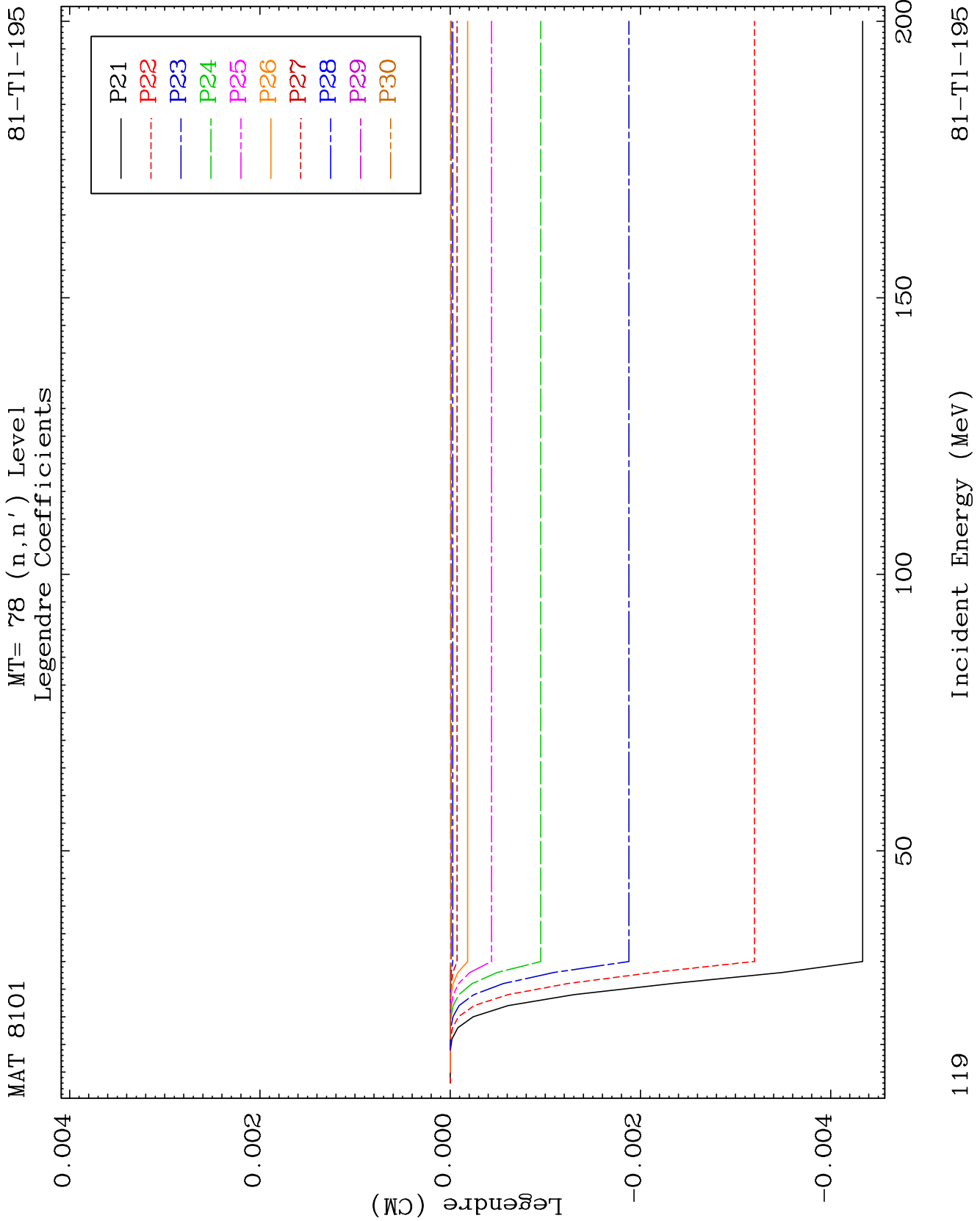
81-T1-195



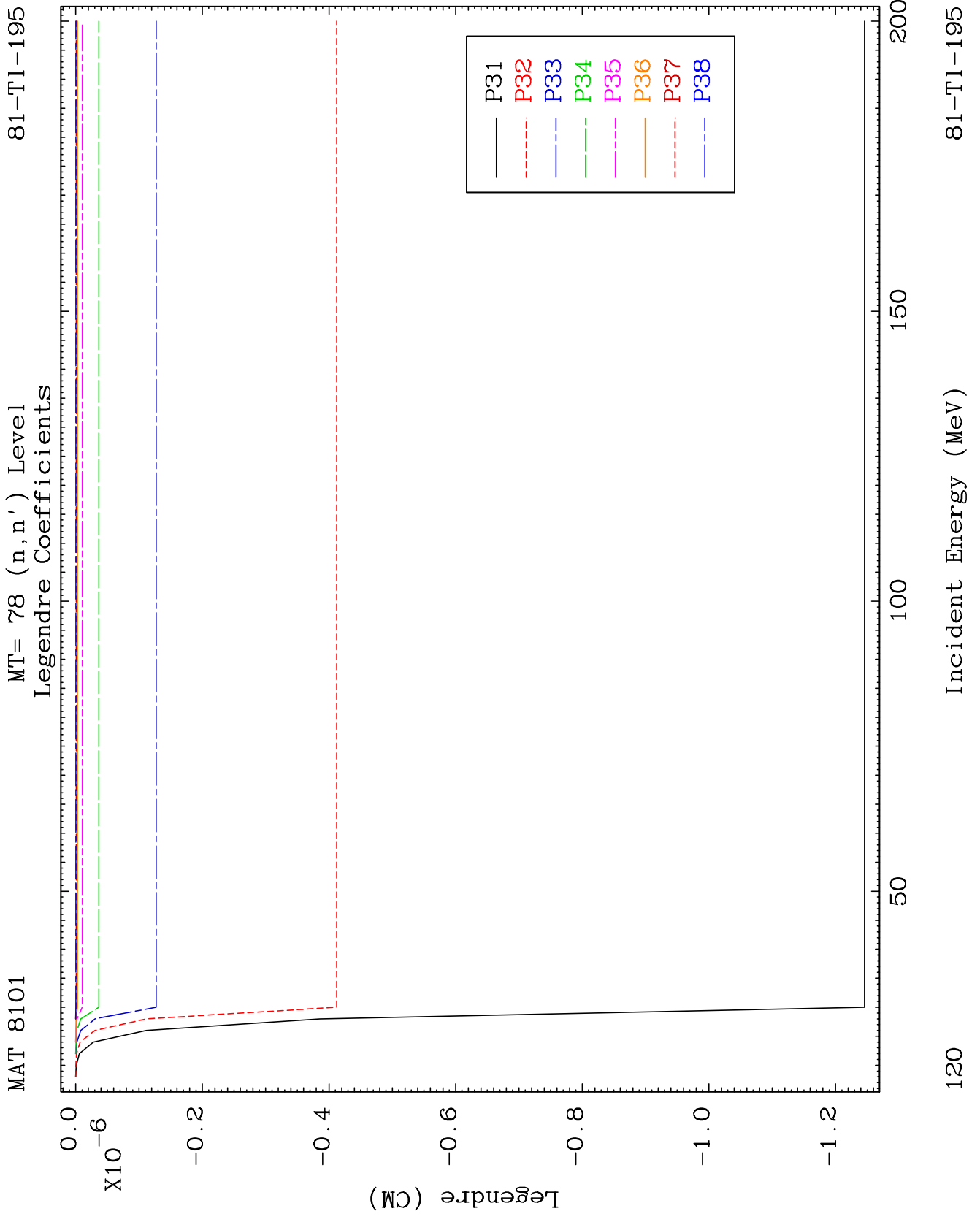
118

Incident Energy (MeV)

81-T1-195



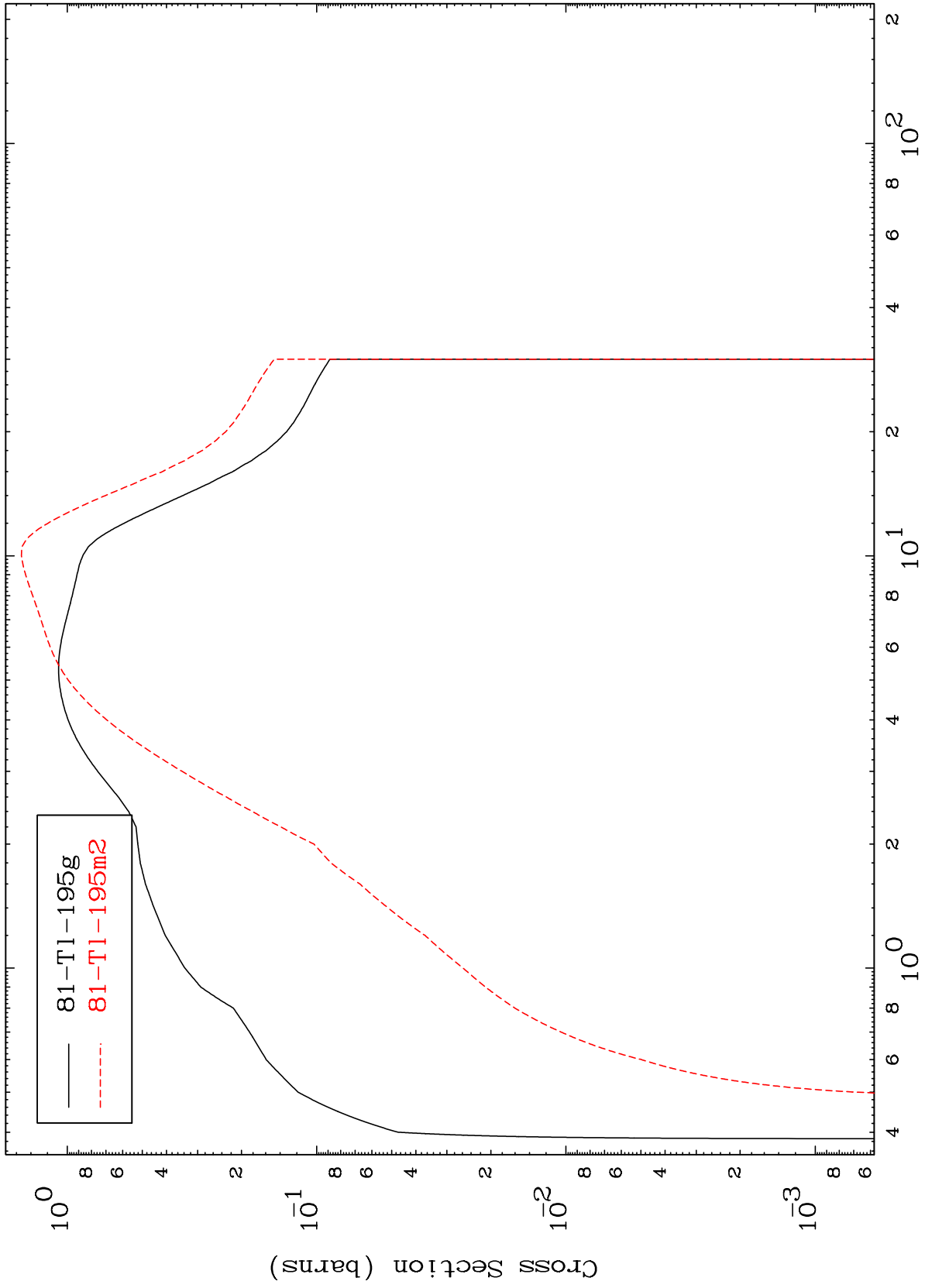




MAT 8101

81-Tl-195

Radionuclide Production Cross Section



121

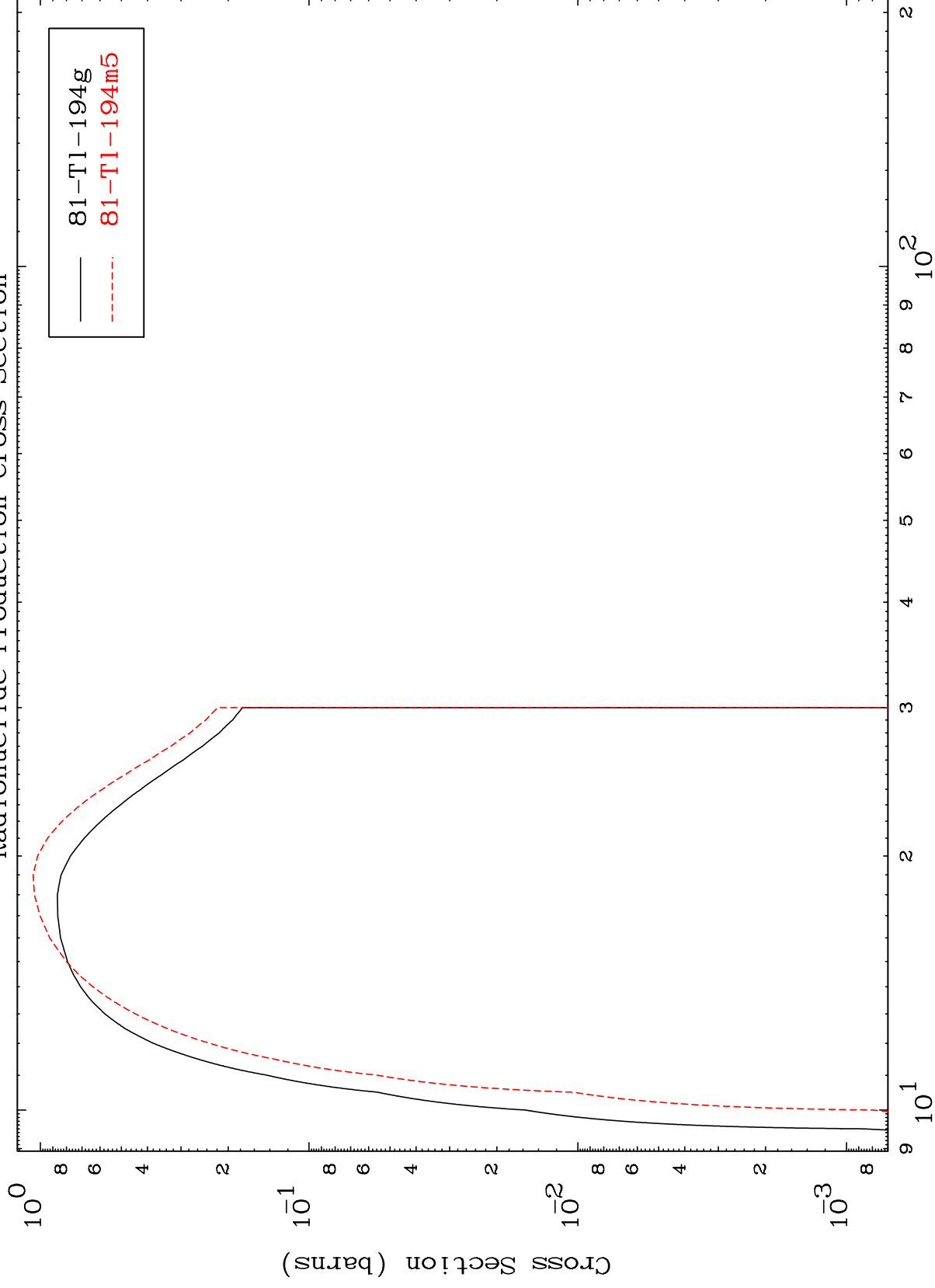
Incident Energy (MeV)

81-Tl-195

MAT 8101

81-Tl-195

(n,2n)  
Radionuclide Production Cross Section

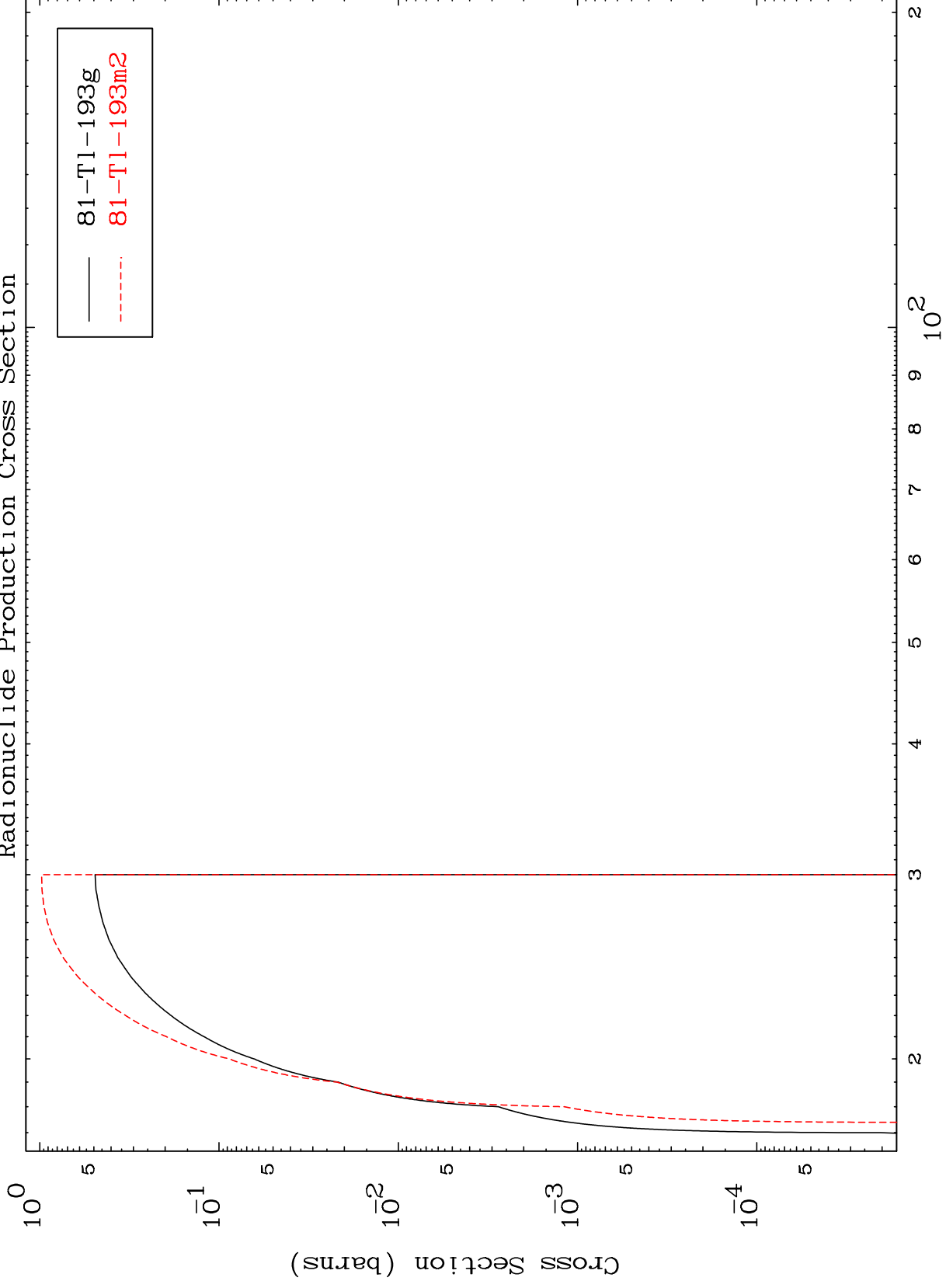


81-Tl-195

Incident Energy (MeV)

122

(n,3n)  
Radionuclide Production Cross Section

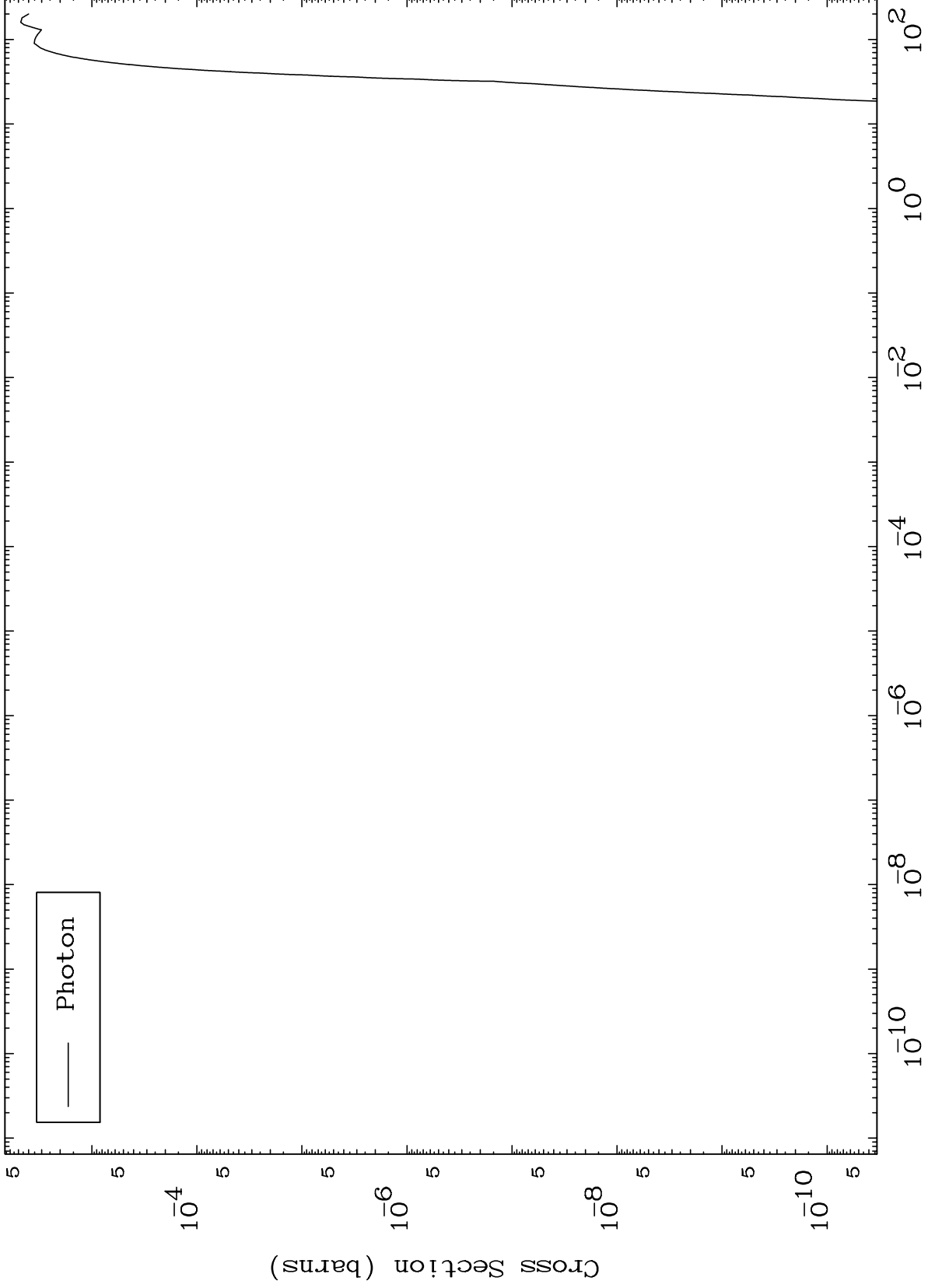


MAT 8101

Fission

81-Tl-195

Radionuclide Production Cross Section



124

Incident Energy (MeV)

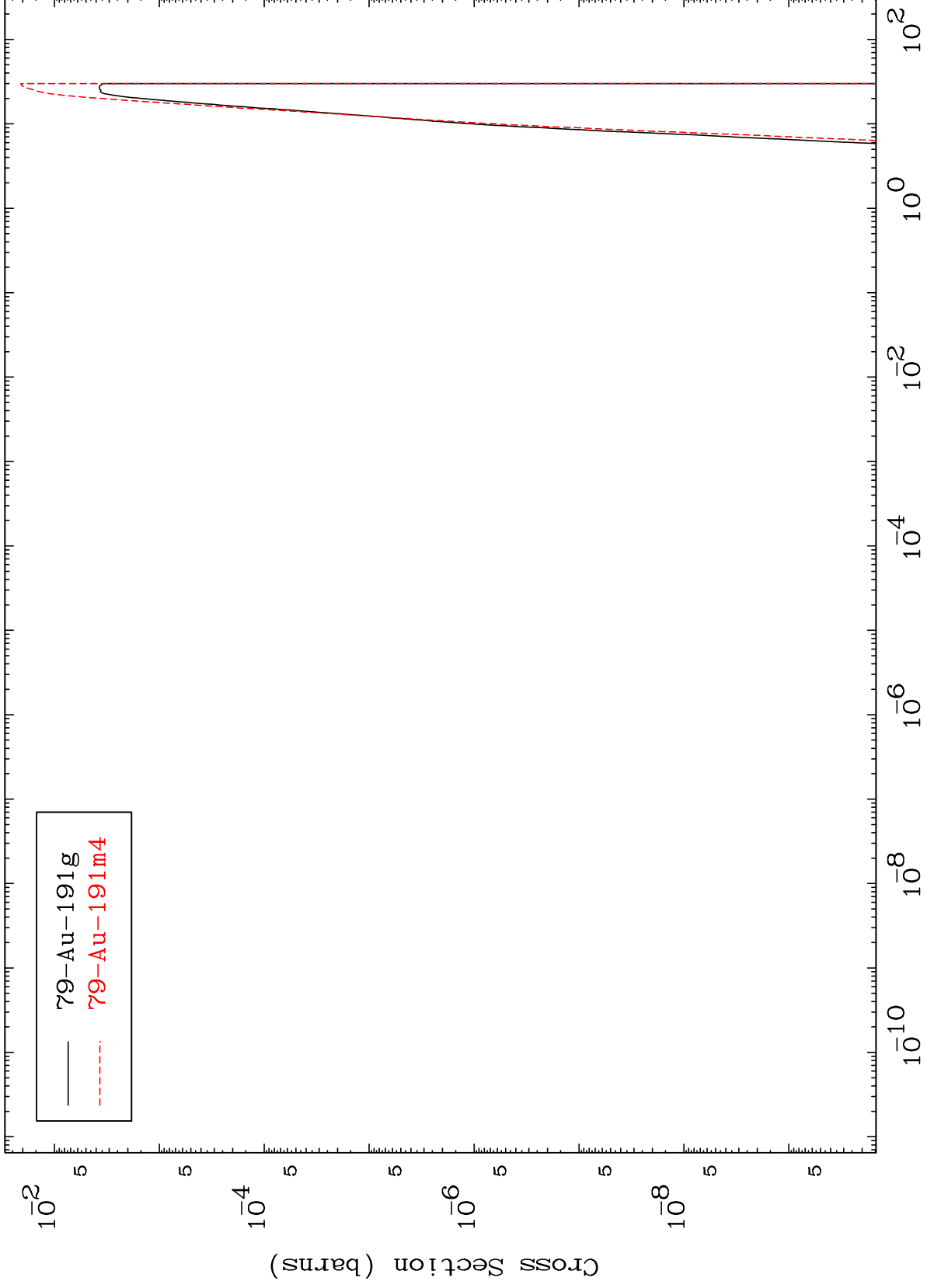
81-Tl-195

MAT 8101

$(n, n') \alpha$

81-Tl-195

Radionuclide Production Cross Section



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

125

Incident Energy (MeV)

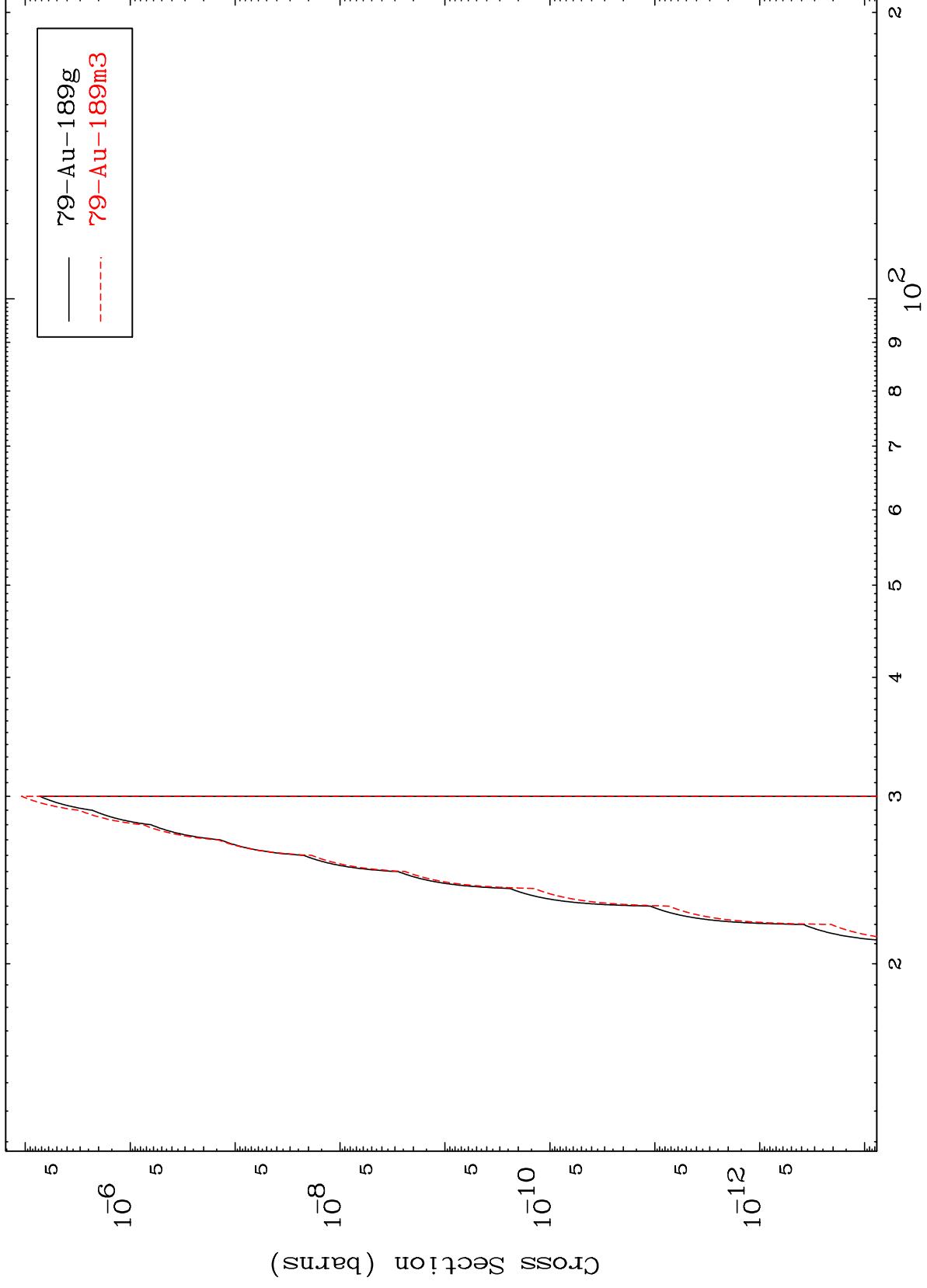
81-Tl-195

MAT 8101

(n,3n)  $\alpha$

81-Tl-195

Radionuclide Production Cross Section



126

Incident Energy (MeV)

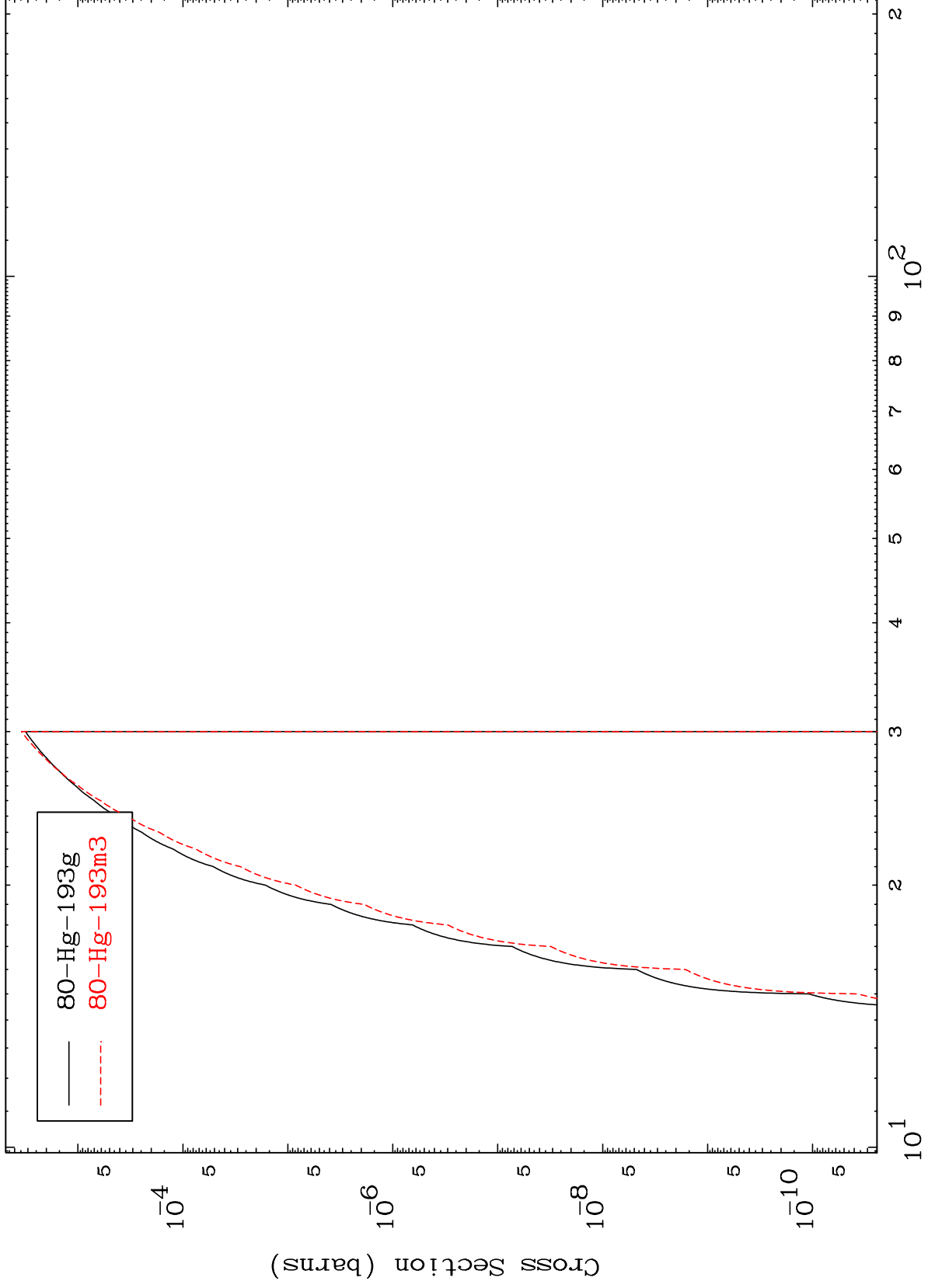
81-Tl-195

MAT 8101

(n,n') d

81-Tl-195

Radionuclide Production Cross Section



127

Incident Energy (MeV)

81-Tl-195

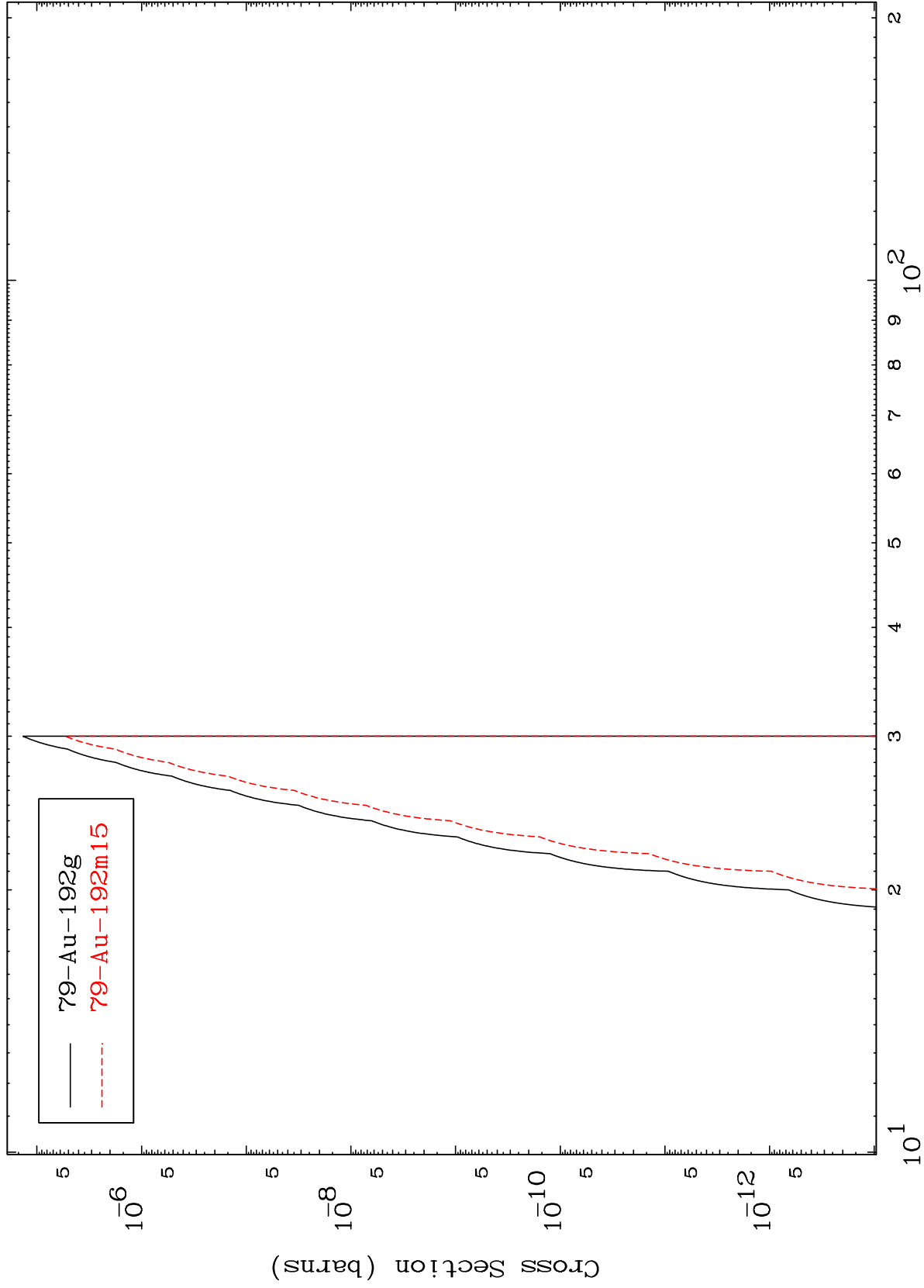


MAT 8101

(n,n') He-3

81-Tl-195

Radionuclide Production Cross Section



128

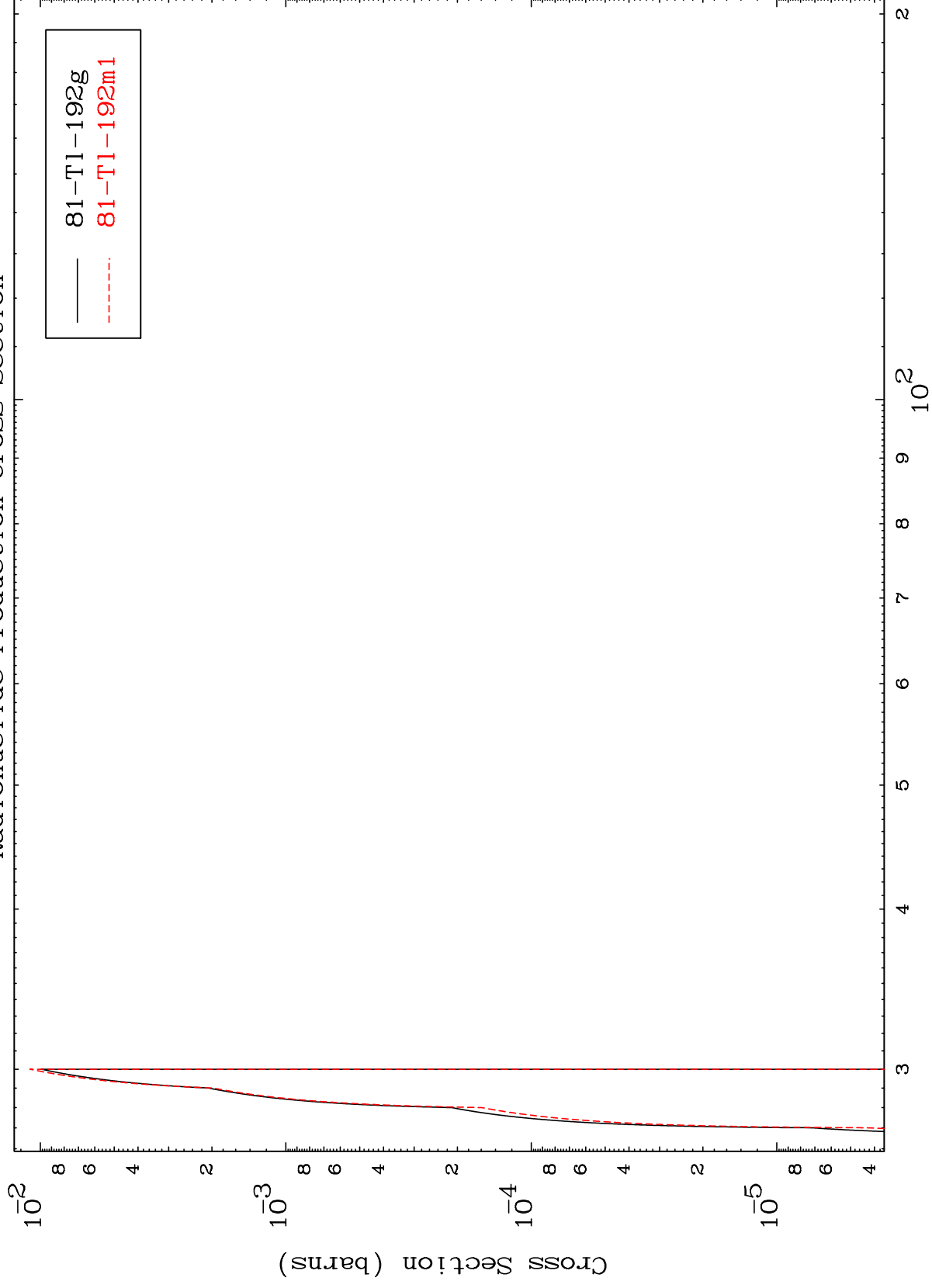
Incident Energy (MeV)

81-Tl-195

MAT 8101

81-Tl-195

(n,4n)  
Radionuclide Production Cross Section



129

81-Tl-195

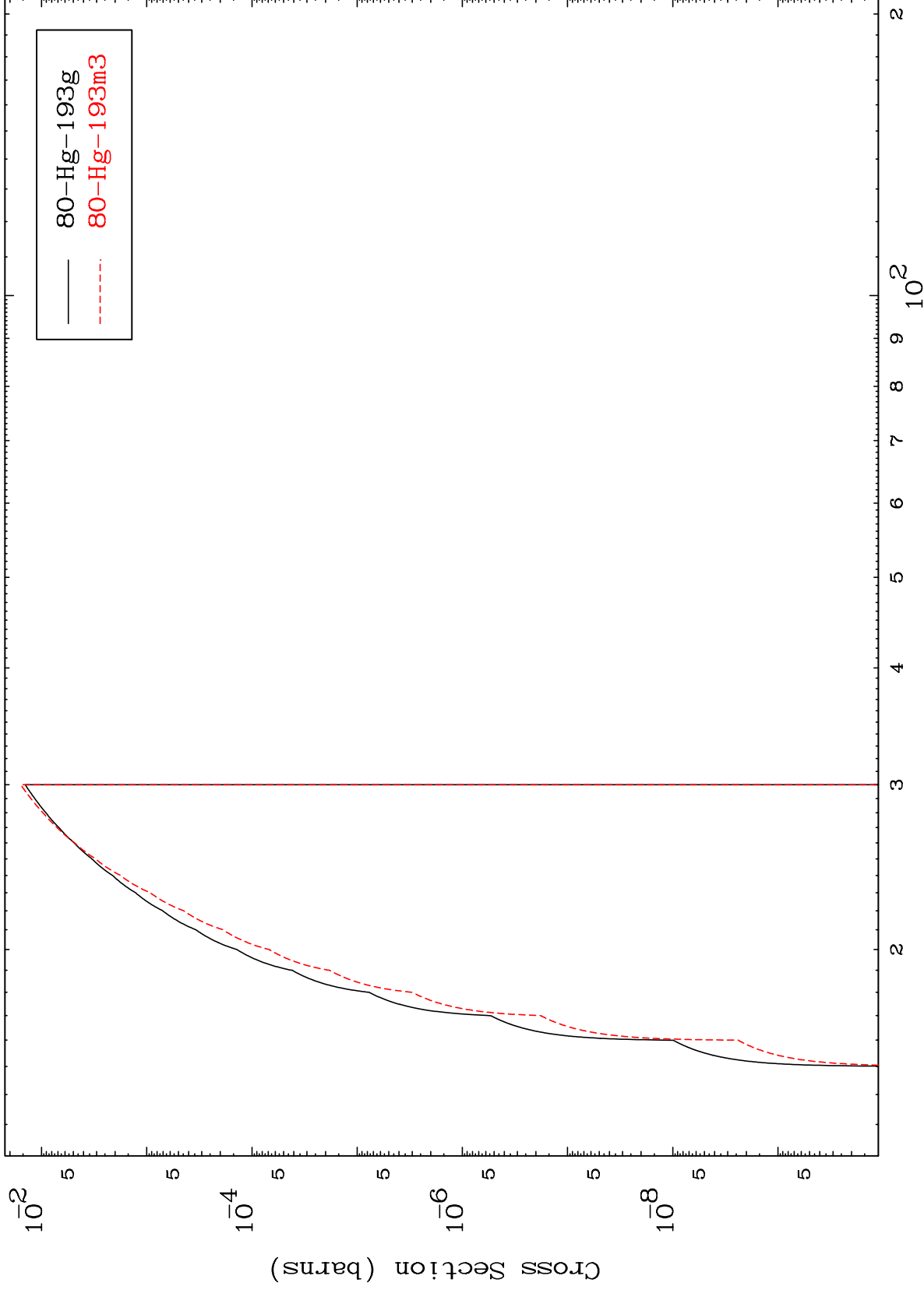
Incident Energy (MeV)

MAT 8101

(n,2n) p

81-Tl-195

Radionuclide Production Cross Section



130

Incident Energy (MeV)

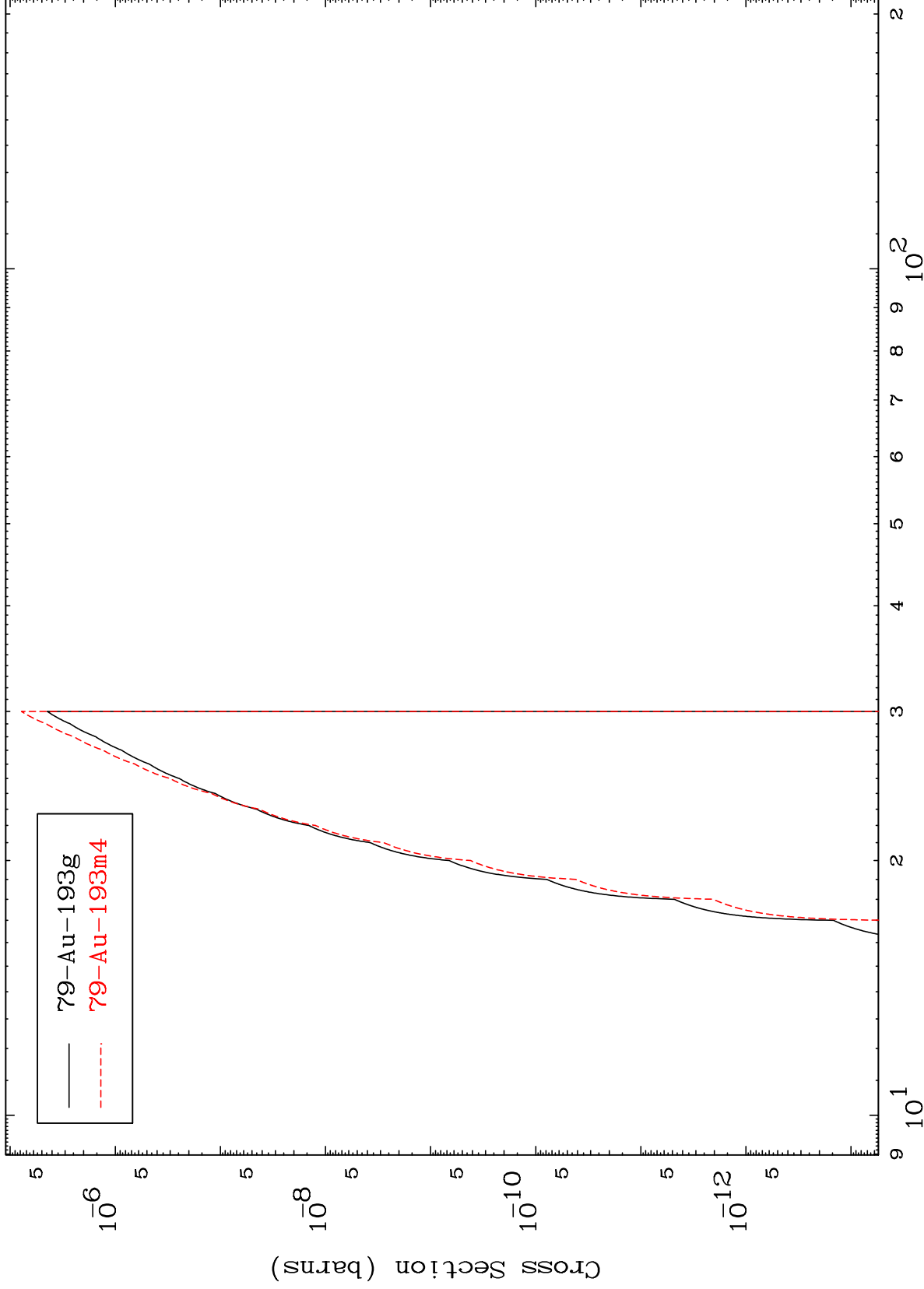
81-Tl-195

MAT 8101

(n,2n) p

81-Tl-195

Radionuclide Production Cross Section



131

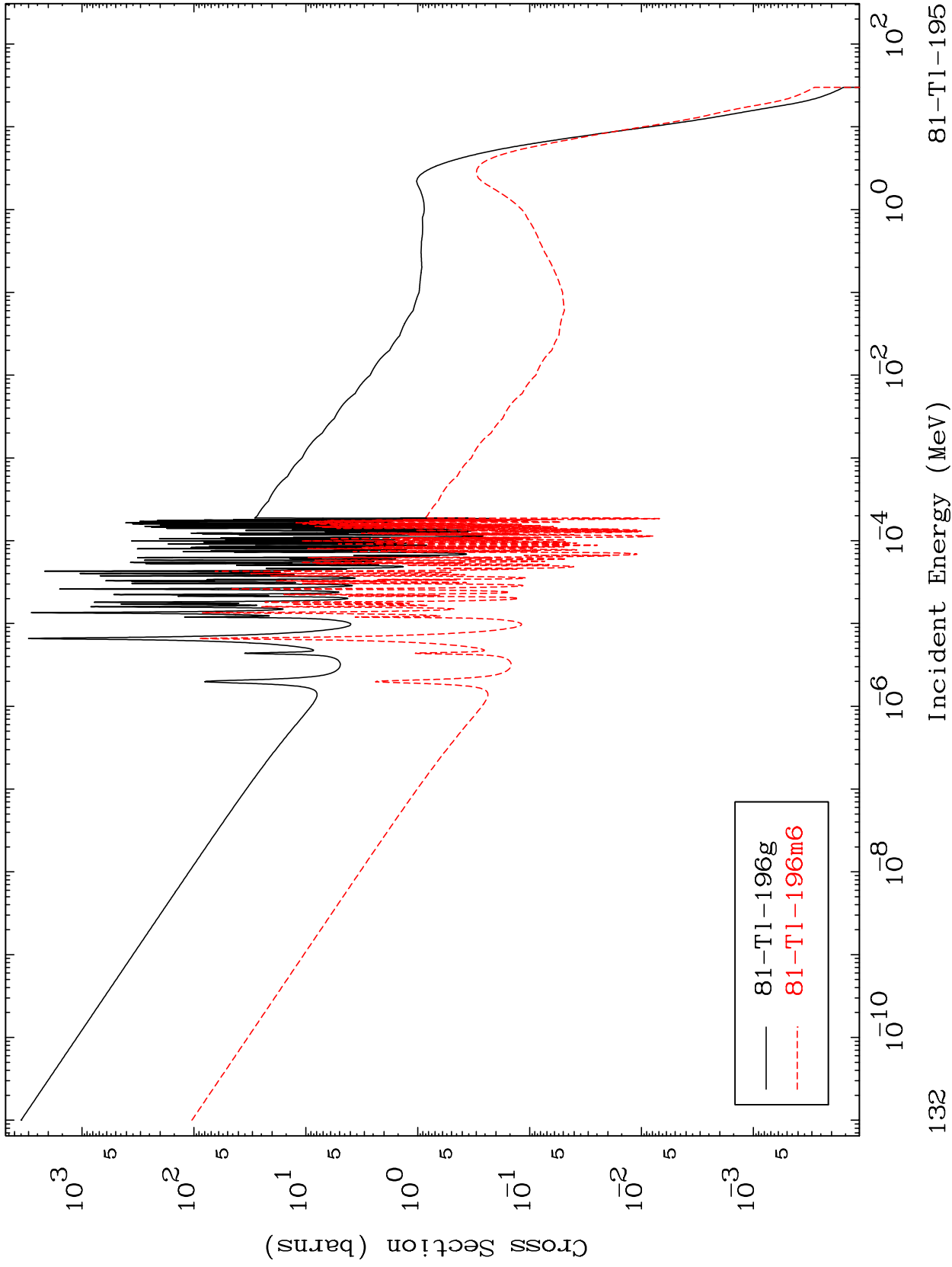
Incident Energy (MeV)

81-Tl-195

MAT 8101

81-Tl-195

(n,  $\gamma$ )  
Radionuclide Production Cross Section



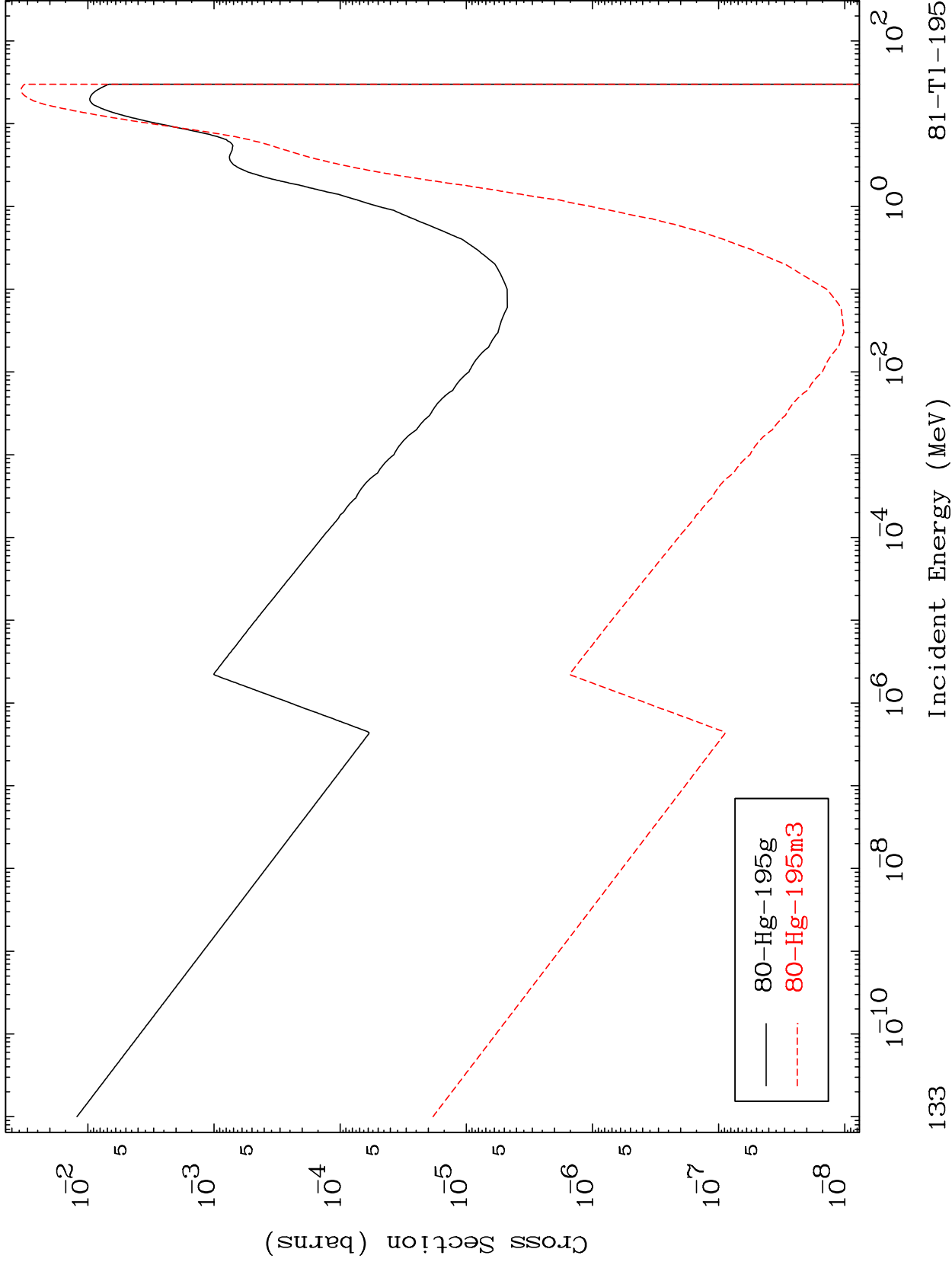
132

81-Tl-195

MAT 8101

81-Tl-195

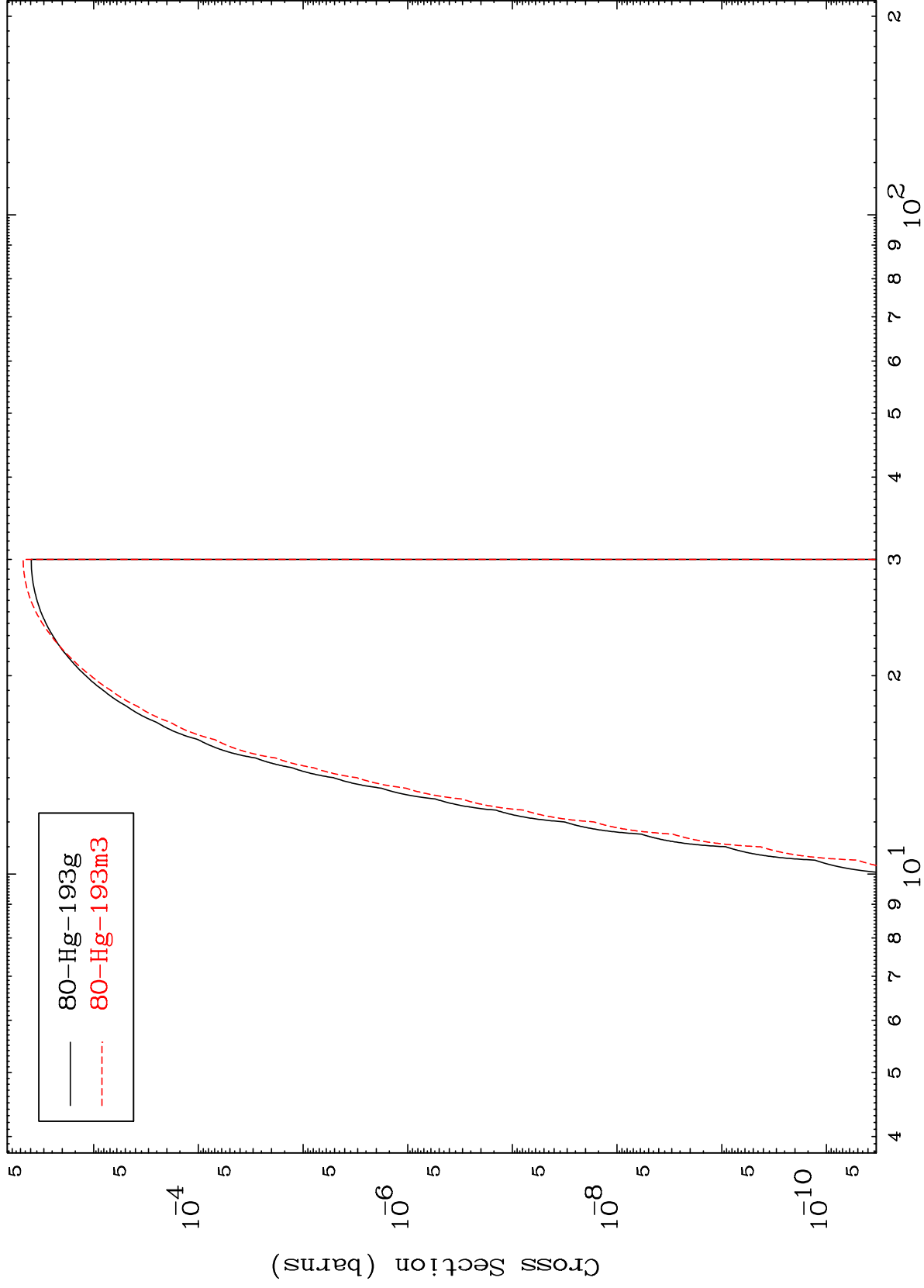
(n,p)  
Radionuclide Production Cross Section



MAT 8101

81-Tl-195

(n, t)  
Radionuclide Production Cross Section



134

Incident Energy (MeV)

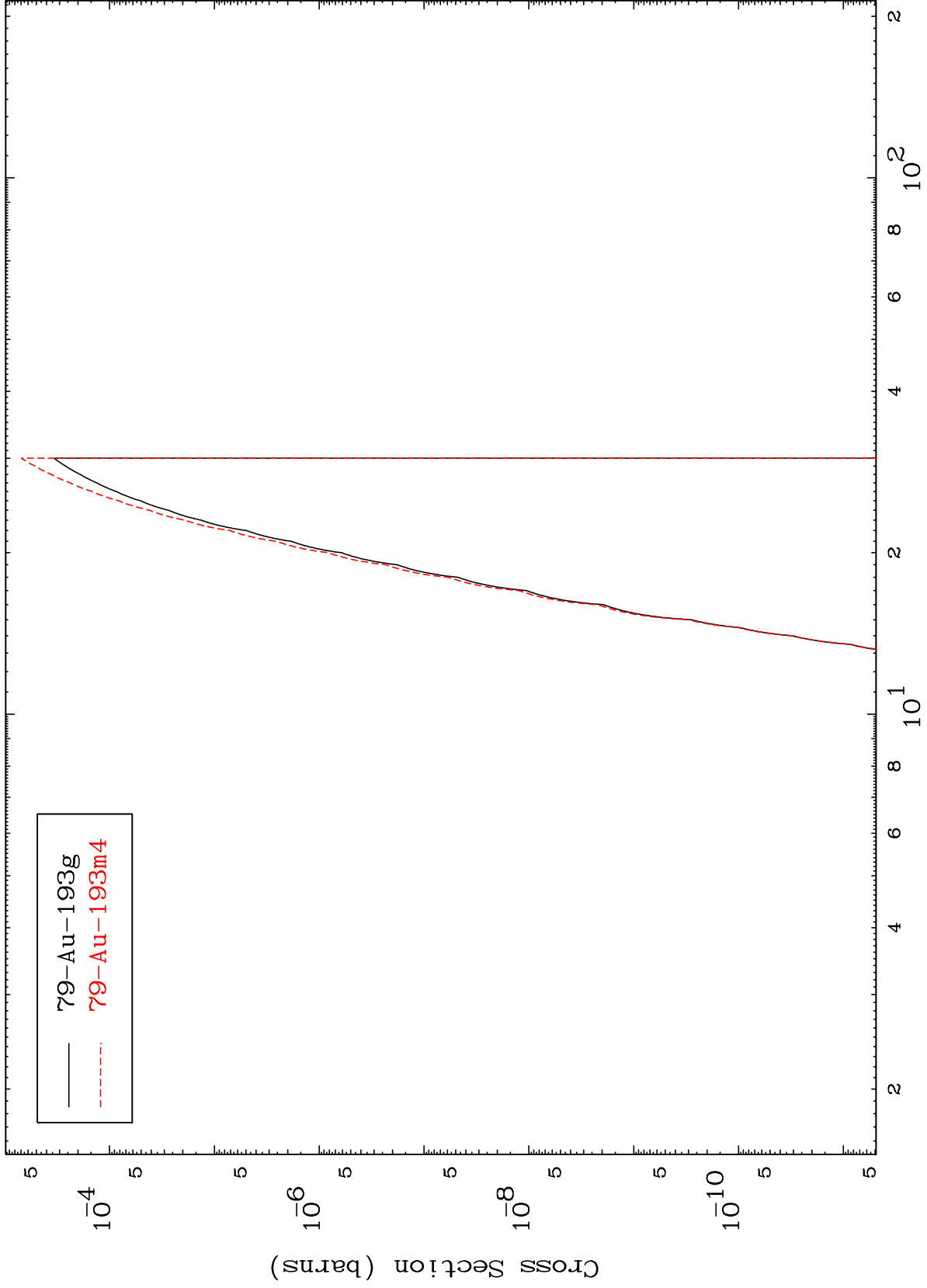
81-Tl-195

MAT 8101

(n,He-3)

81-Tl-195

Radionuclide Production Cross Section



135

Incident Energy (MeV)

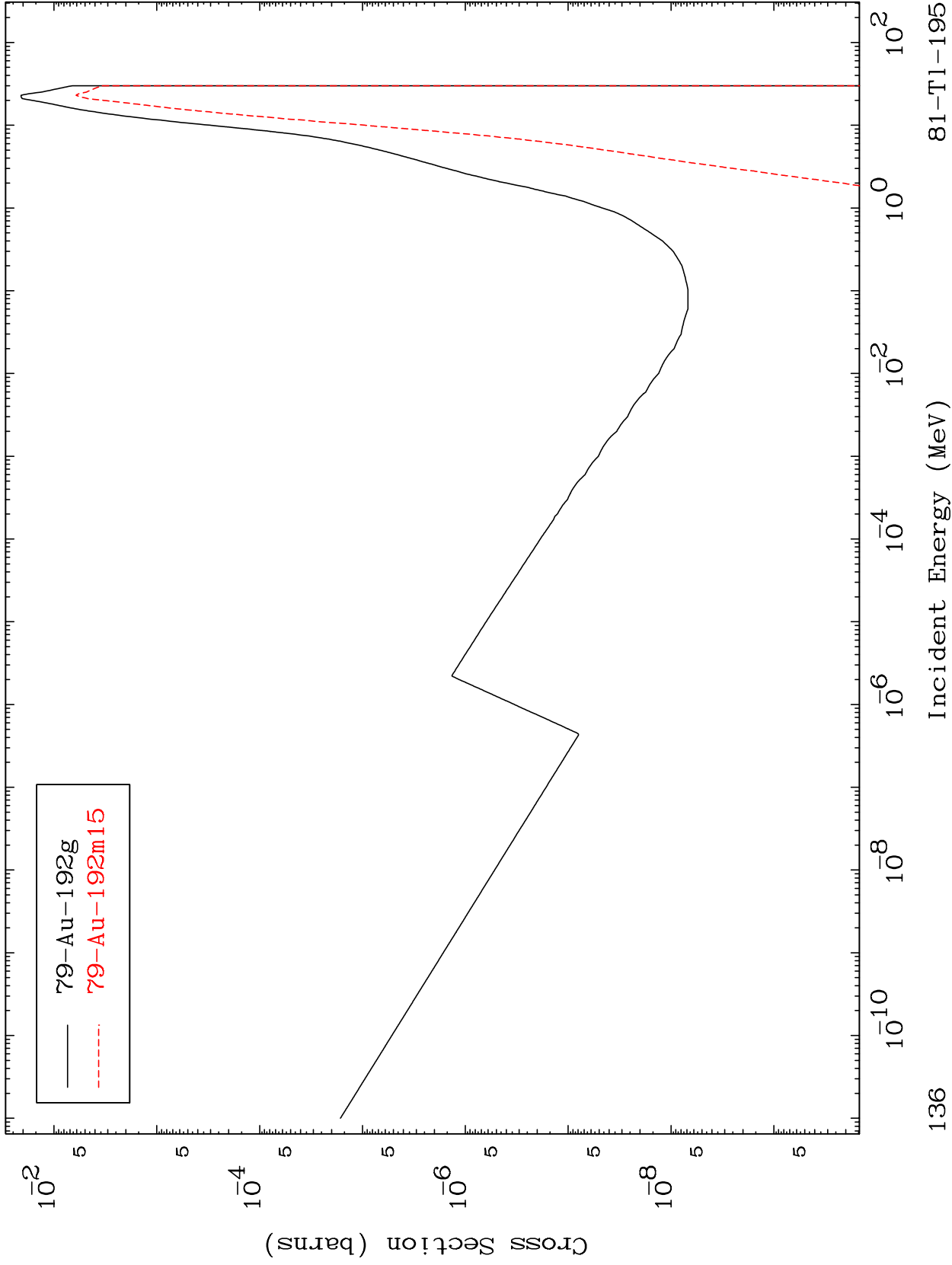
81-Tl-195



MAT 8101

81-Tl-195

Radionuclide Production Cross Section  
(n,  $\alpha$ )



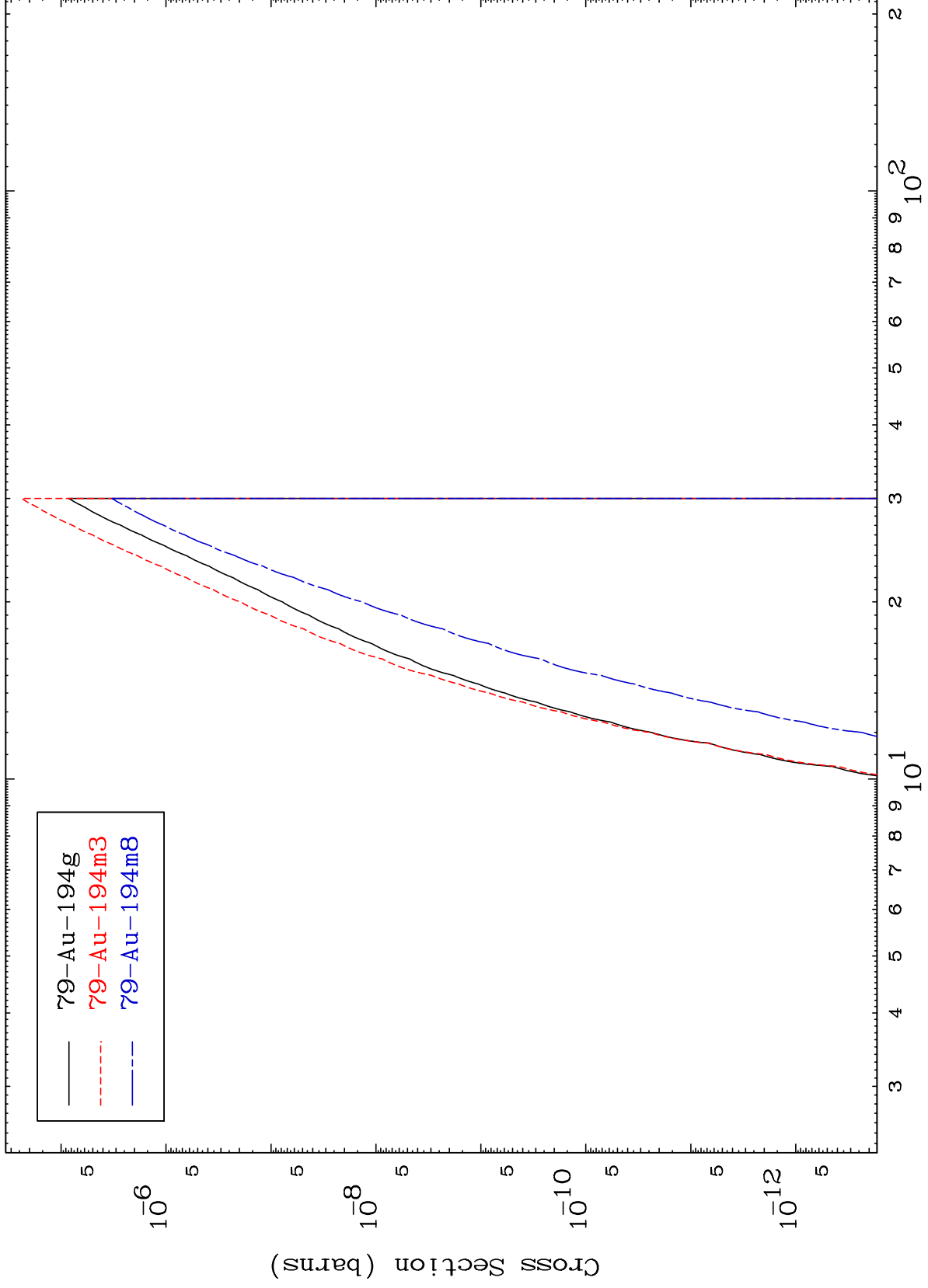
136

81-Tl-195

MAT 8101

81-Tl-195

Radionuclide Production Cross Section  
(n,2p)



137

Incident Energy (MeV)

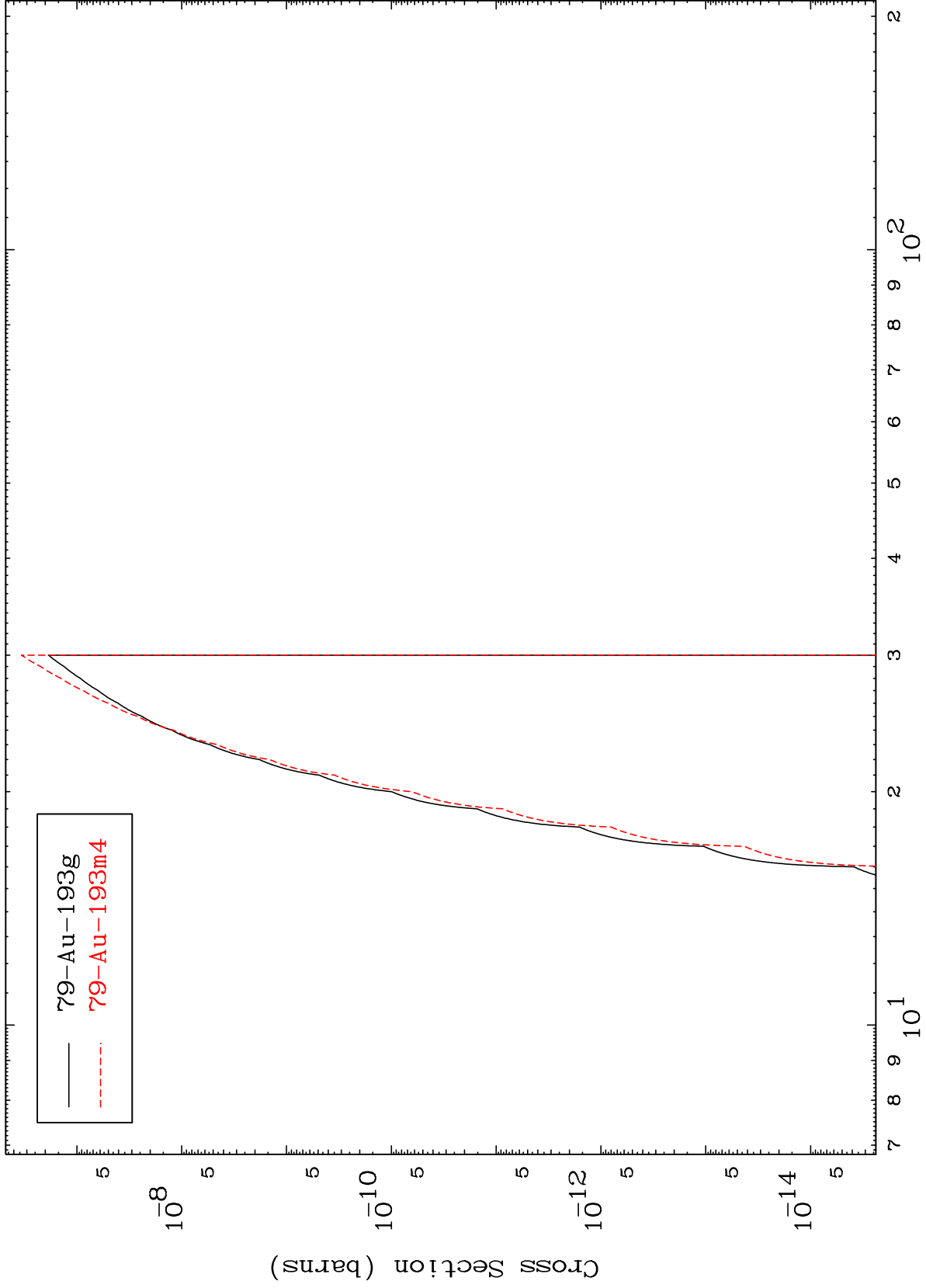
81-Tl-195

MAT 8101

(n,p) d

81-Tl-195

Radionuclide Production Cross Section



138

Incident Energy (MeV)

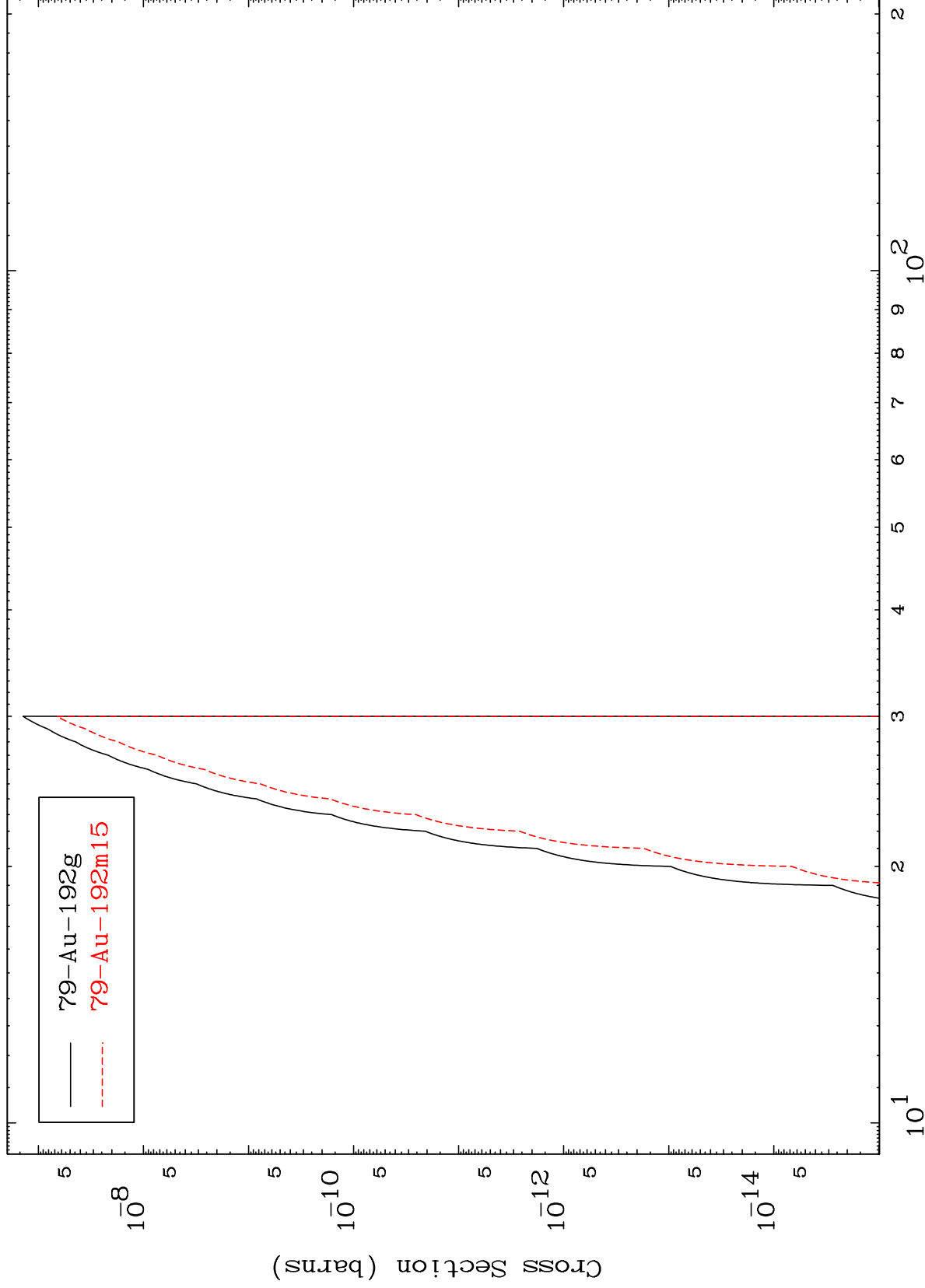
81-Tl-195

MAT 8101

(n,p) t

81-Tl-195

Radionuclide Production Cross Section



139

Incident Energy (MeV)

81-Tl-195