

Program EVALPLOT  
(Version 2015-2)

by

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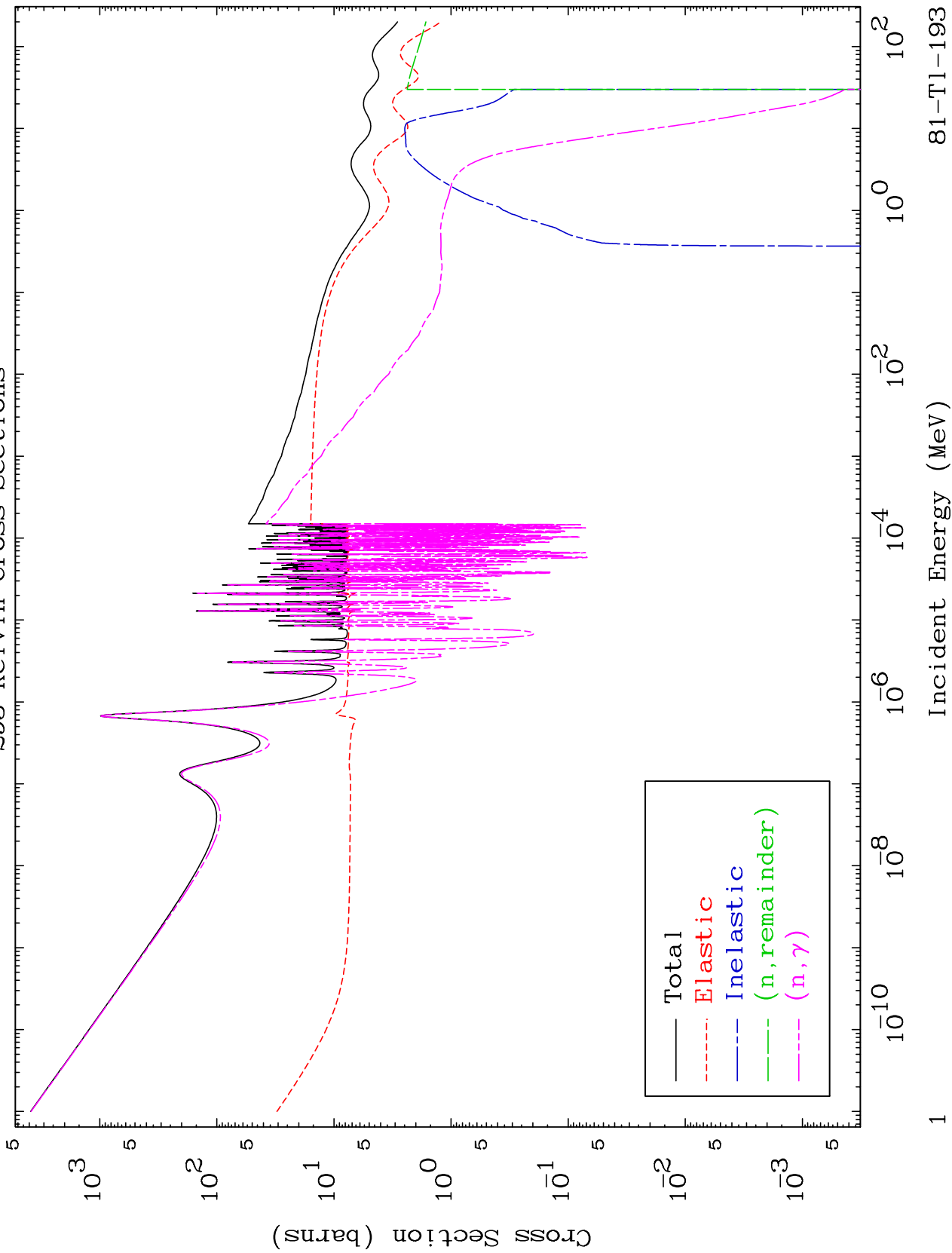
Press Mouse Button to Start

MAT 8095

Major

293 Kelvin Cross Sections

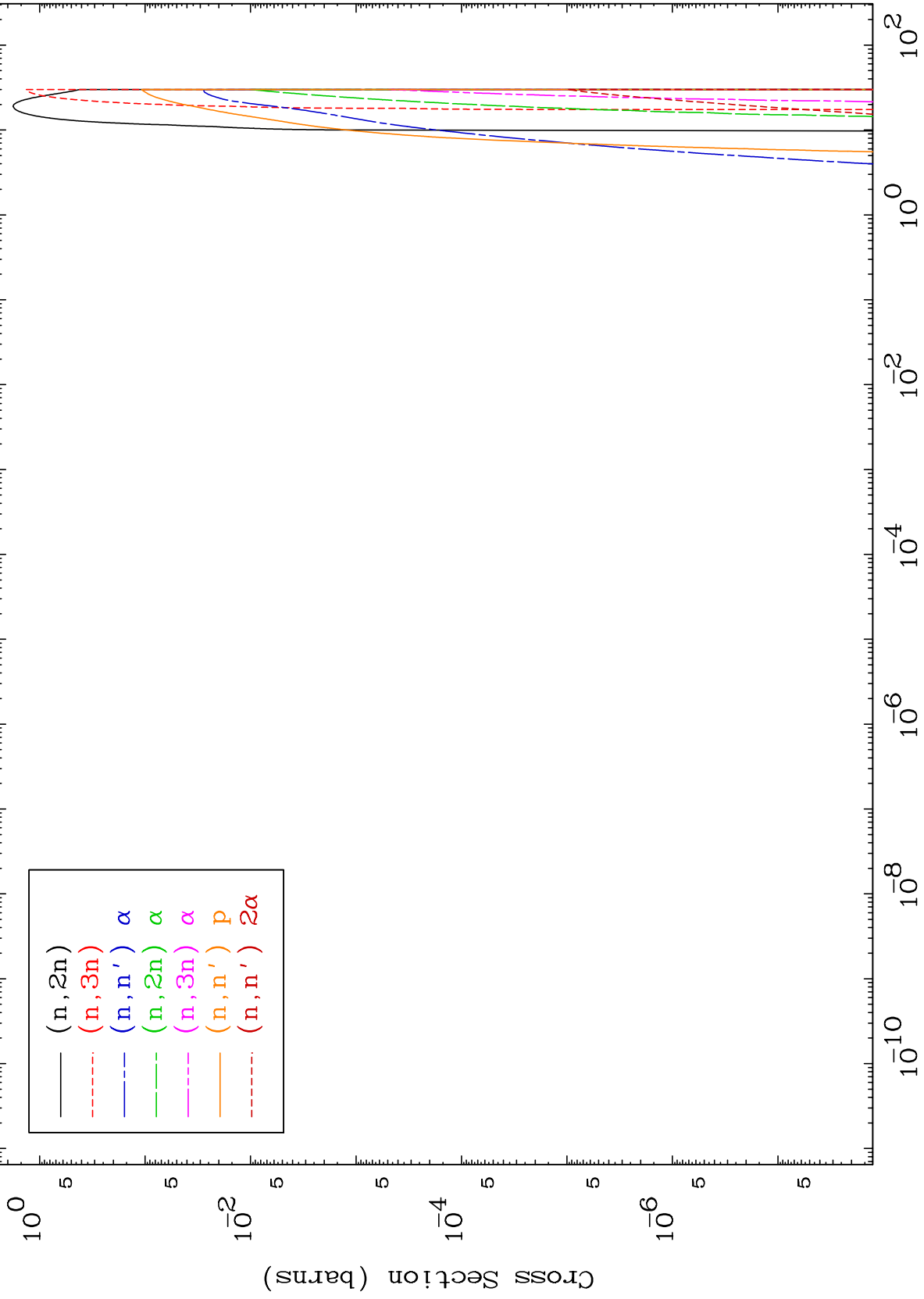
81-Tl-193



MAT 8095

Neutron Production  
293 Kelvin Cross Sections

81-Tl-193

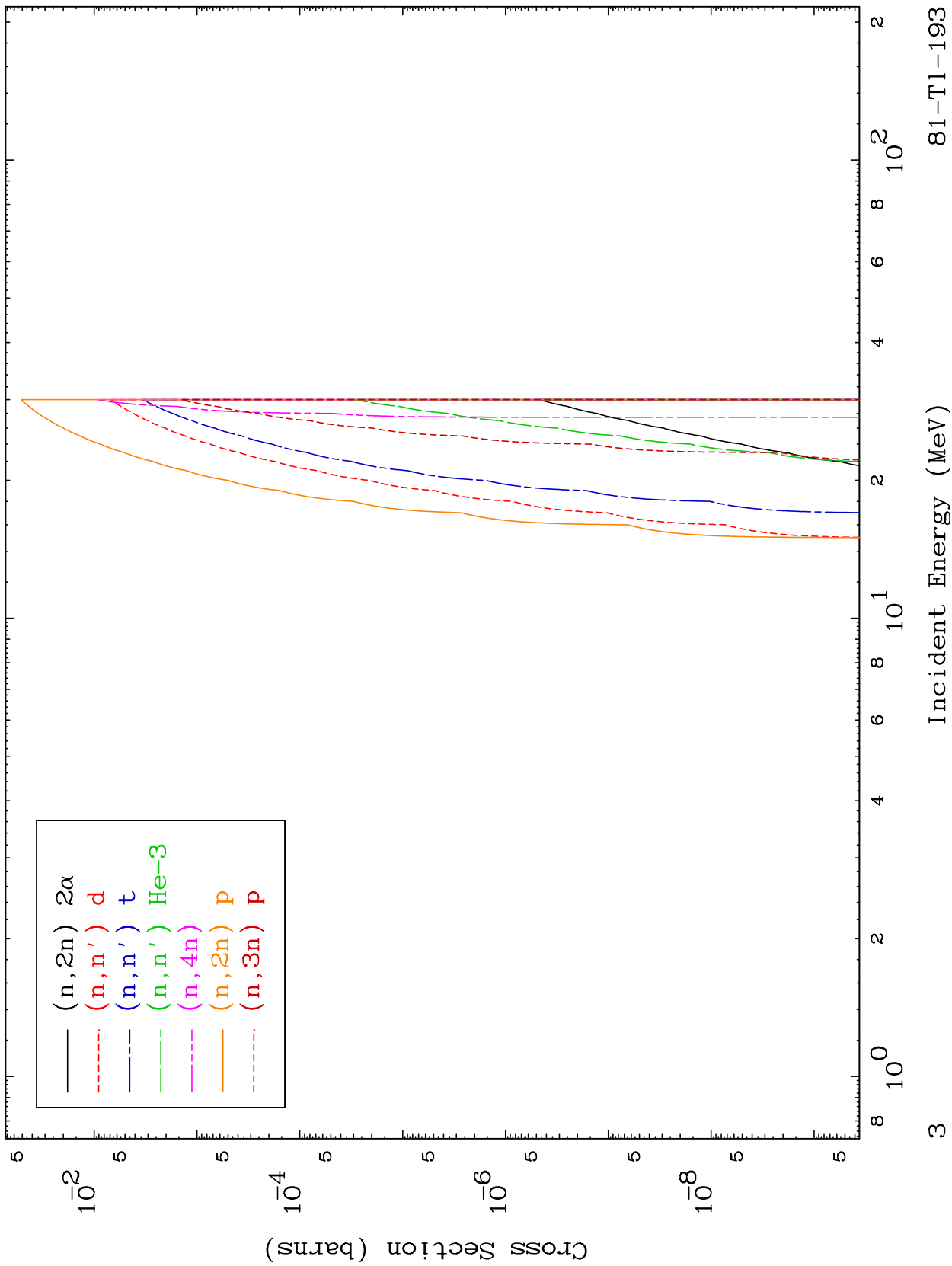


81-Tl-193

MAT 8095

Neutron Production  
293 Kelvin Cross Sections

81-Tl-193



81-Tl-193

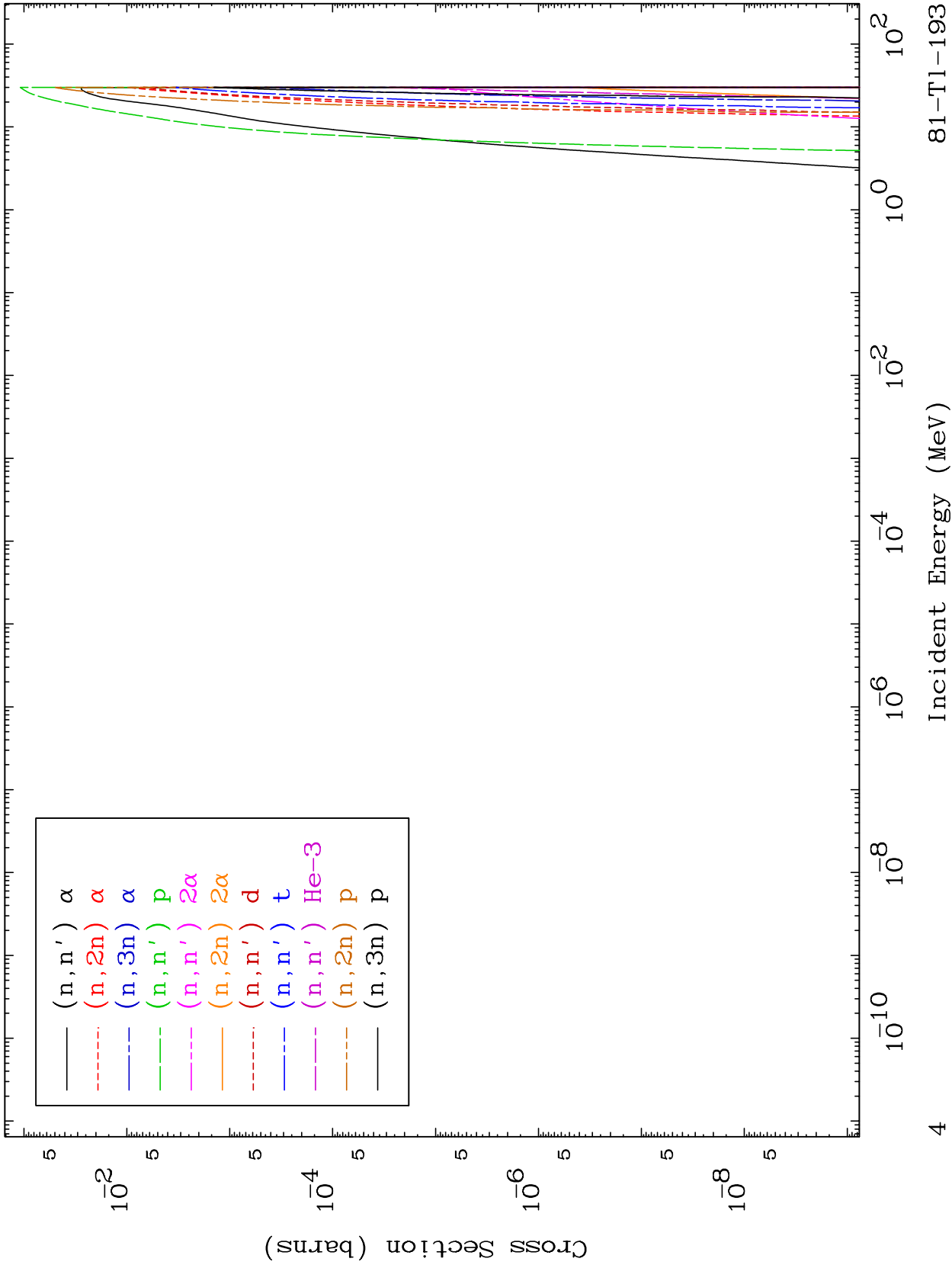
Incident Energy (MeV)

3

MAT 8095

Charged Particle  
293 Kelvin Cross Sections

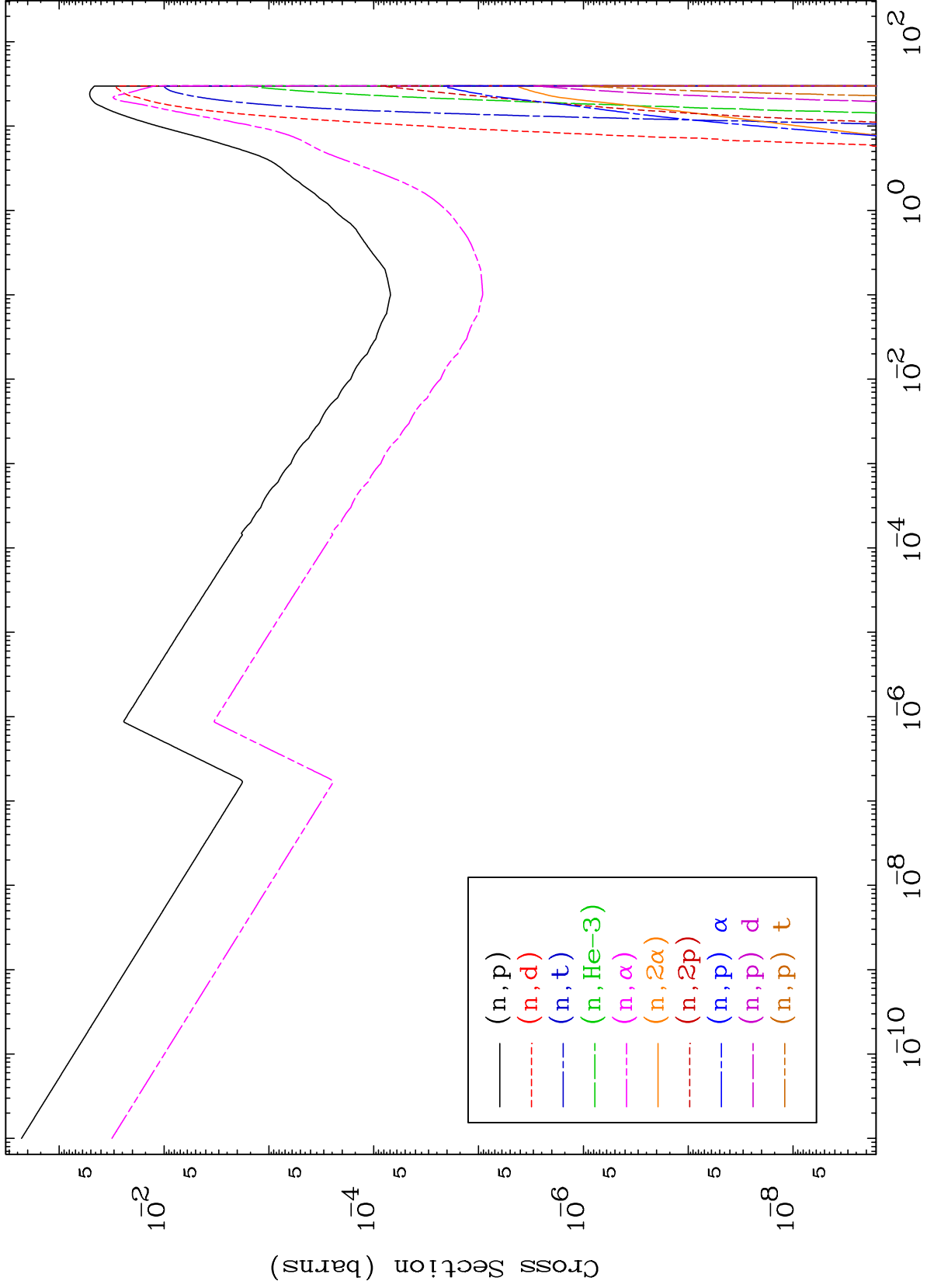
81-Tl-193

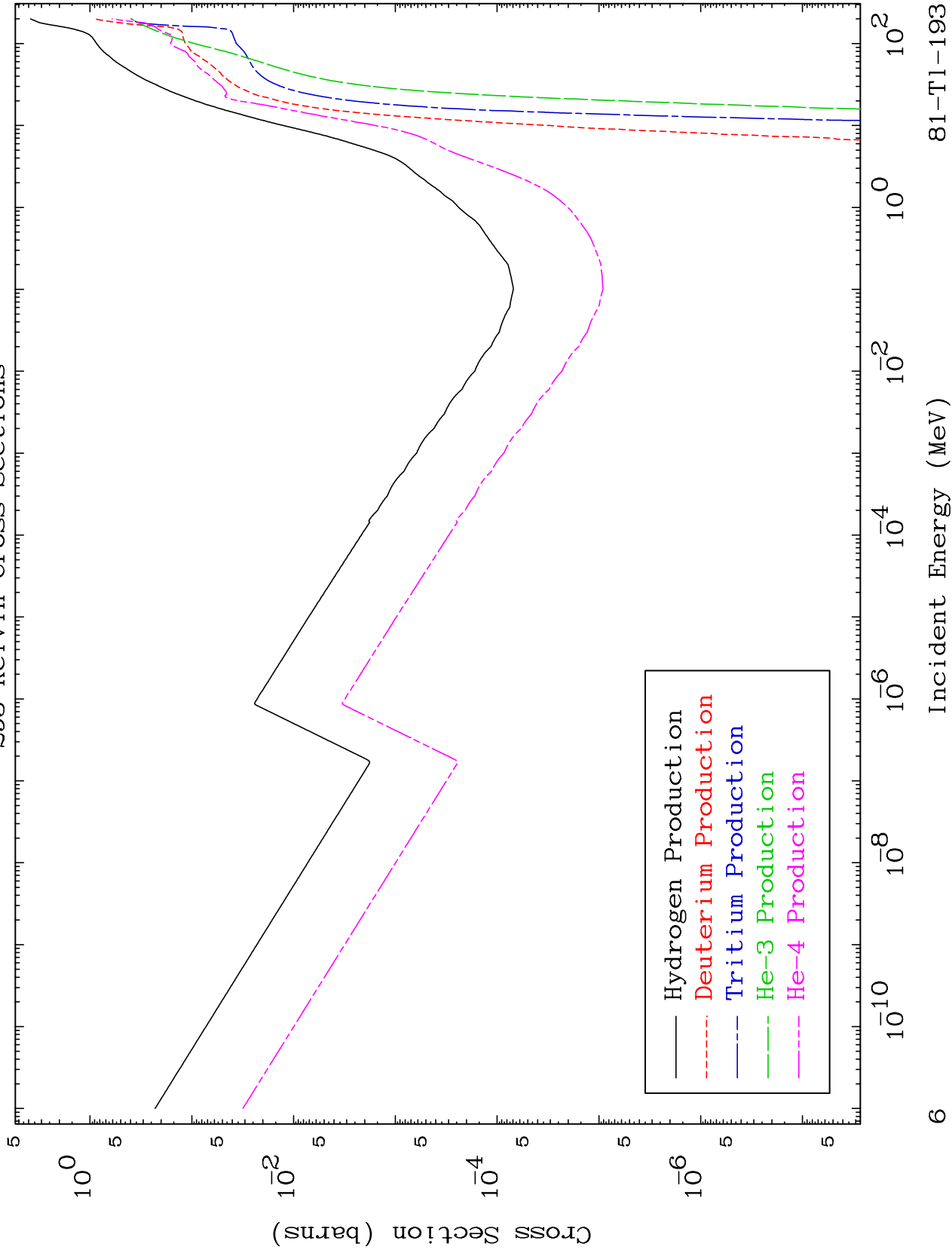


MAT 8095

Charged Particle  
293 Kelvin Cross Sections

81-Tl-193



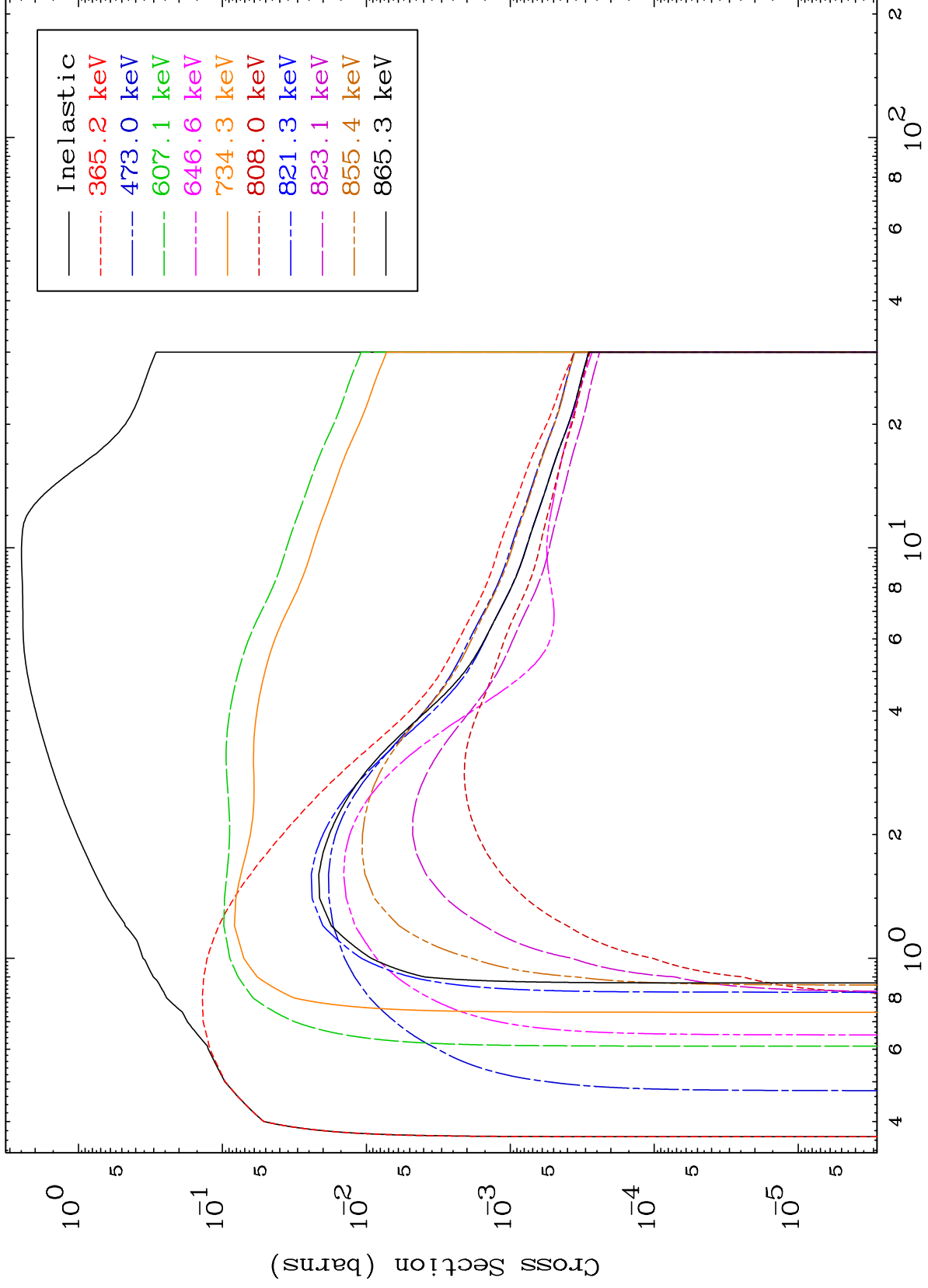


MAT 8095

(n,n') Level

81-Tl-193

293 Kelvin Cross Sections

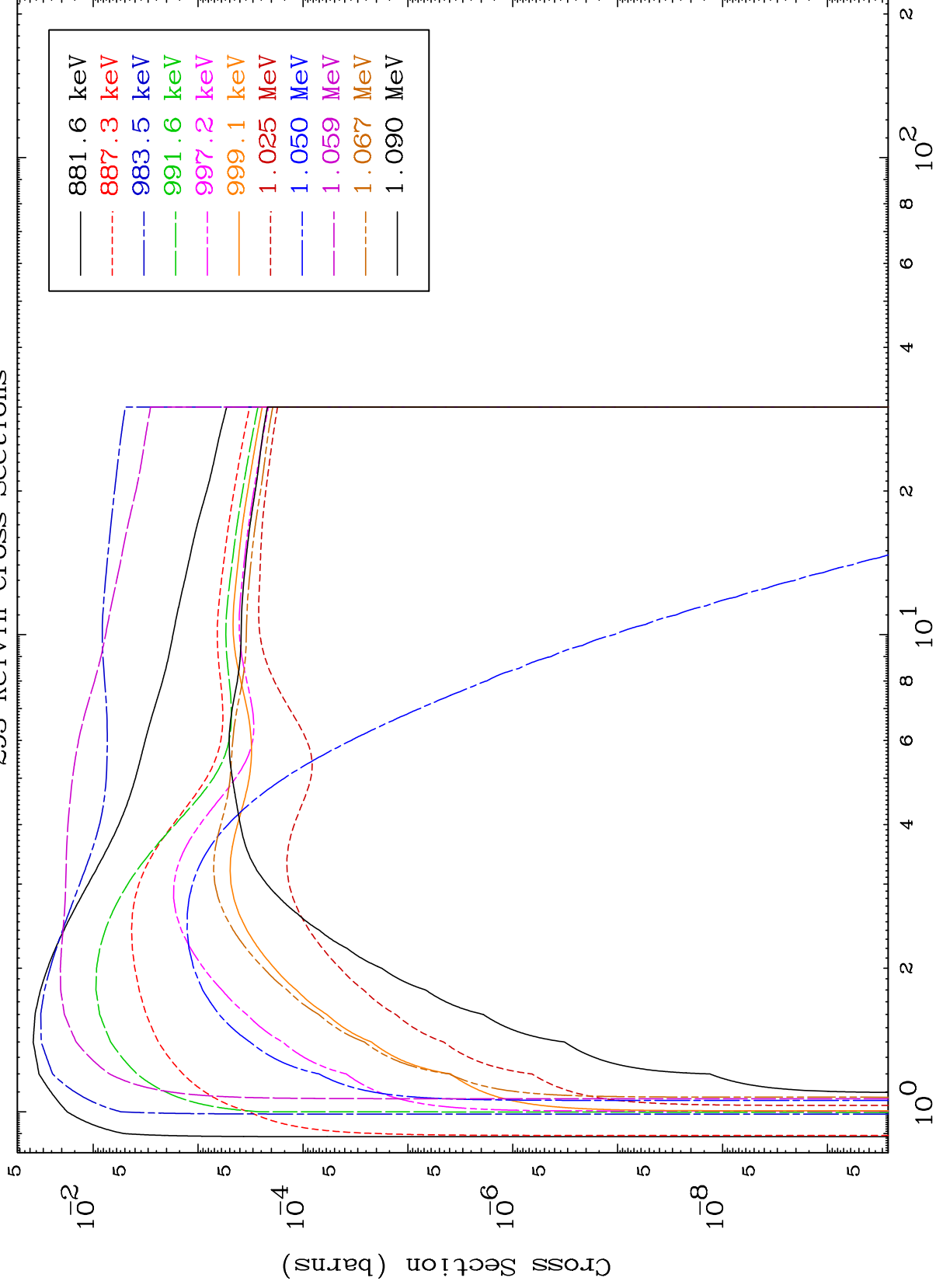




MAT 8095

(n,n') Level  
293 Kelvin Cross Sections

81-Tl-193



Incident Energy (MeV)

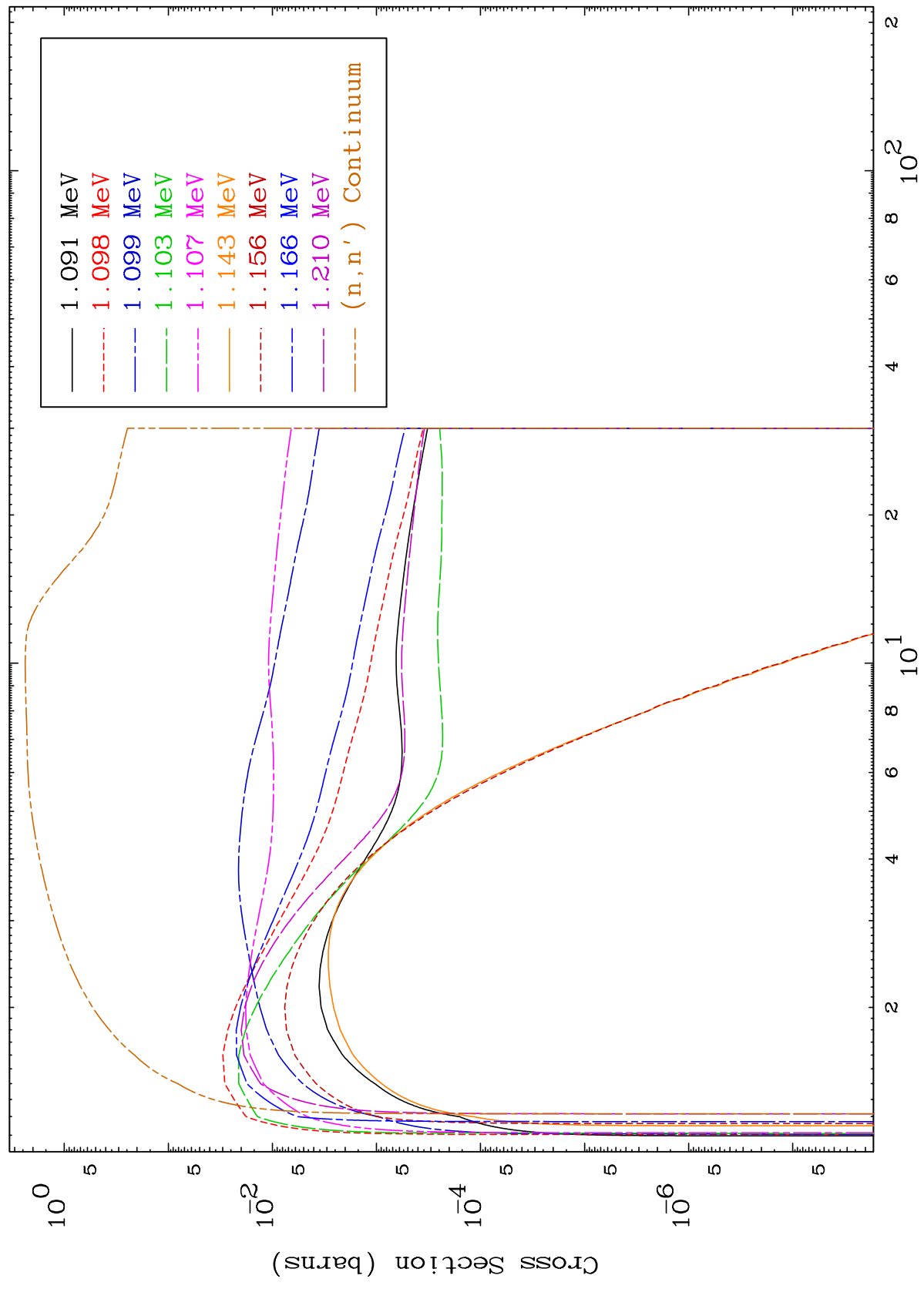
81-Tl-193

MAT 8095

(n,n') Level

81-Tl-193

293 Kelvin Cross Sections



9

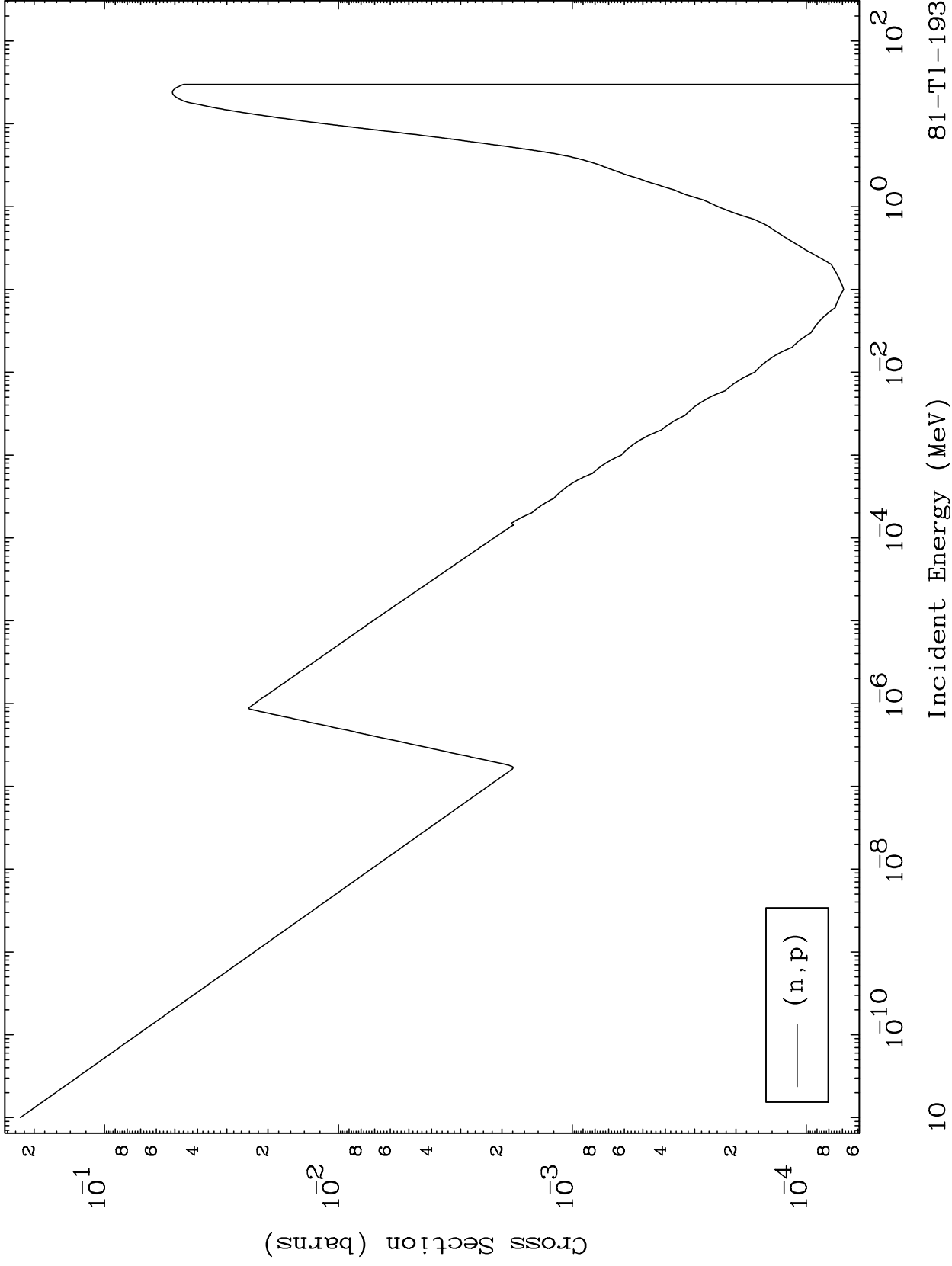
Incident Energy (MeV)

81-Tl-193

MAT 8095

(n,p) Levels  
293 Kelvin Cross Sections

81-Tl-193



10

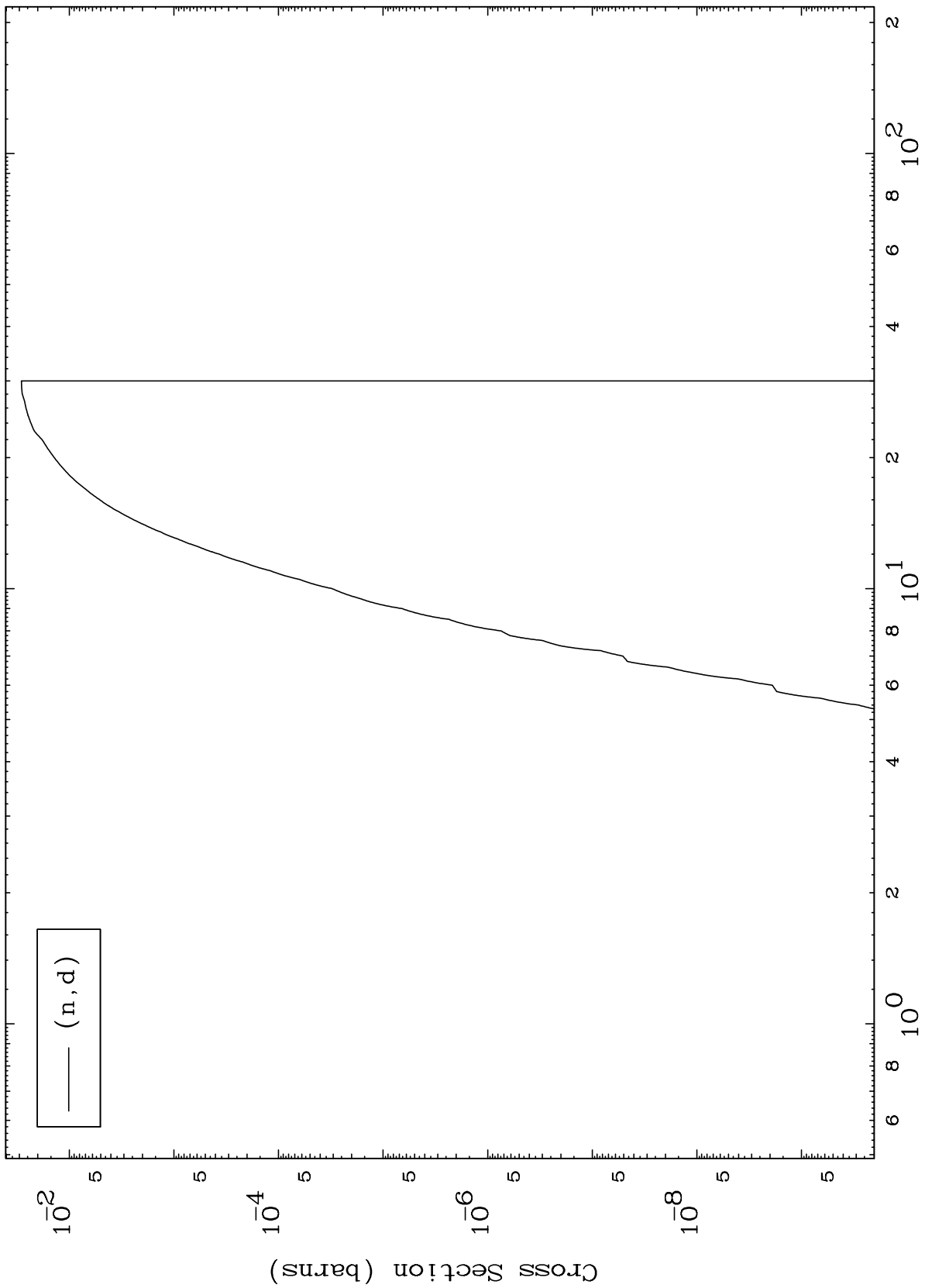
Incident Energy (MeV)

81-Tl-193

MAT 8095

(n,d) Levels  
293 Kelvin Cross Sections

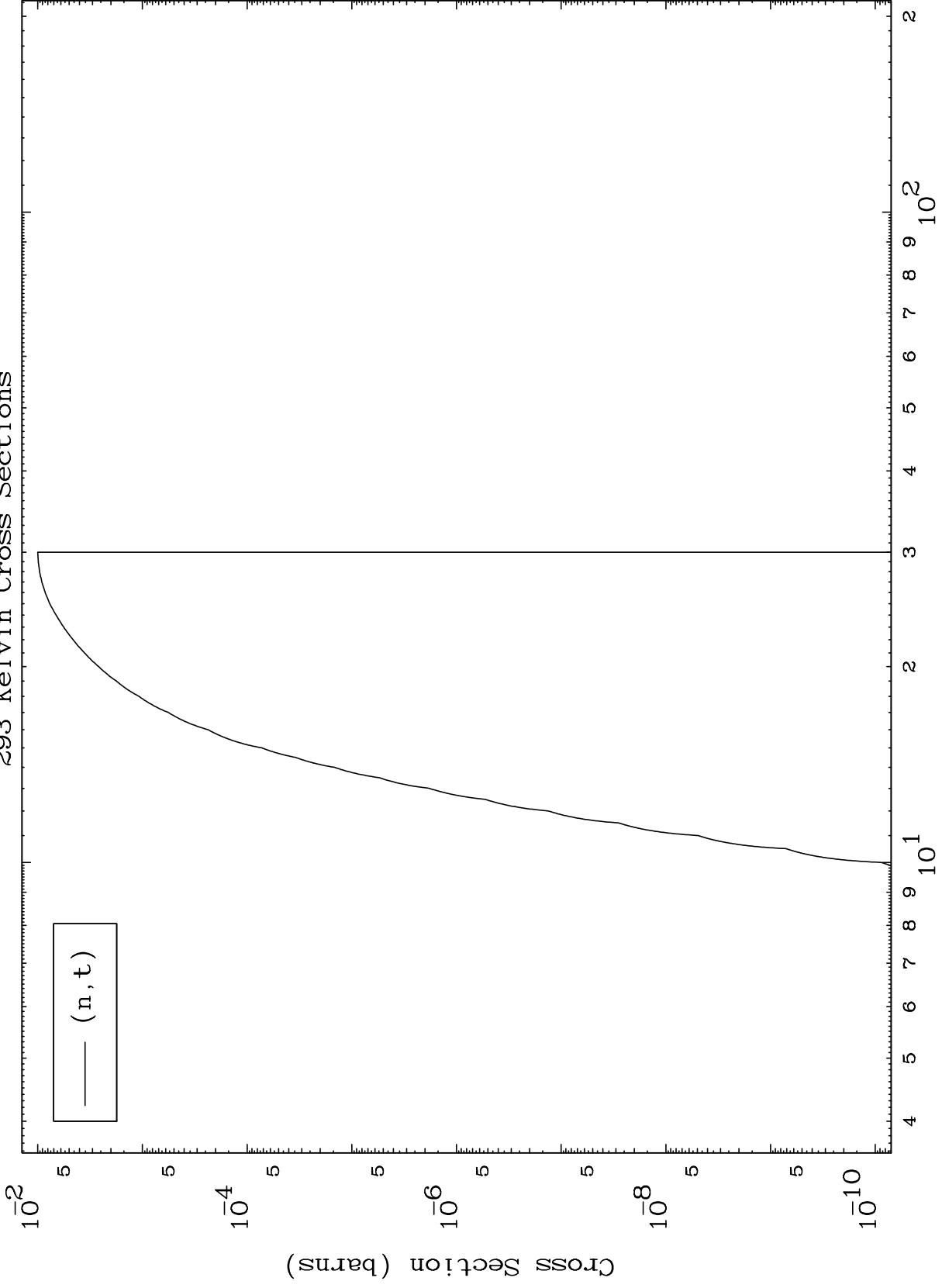
81-Tl-193



MAT 8095

(n,t) Levels  
293 Kelvin Cross Sections

81-Tl-193



12

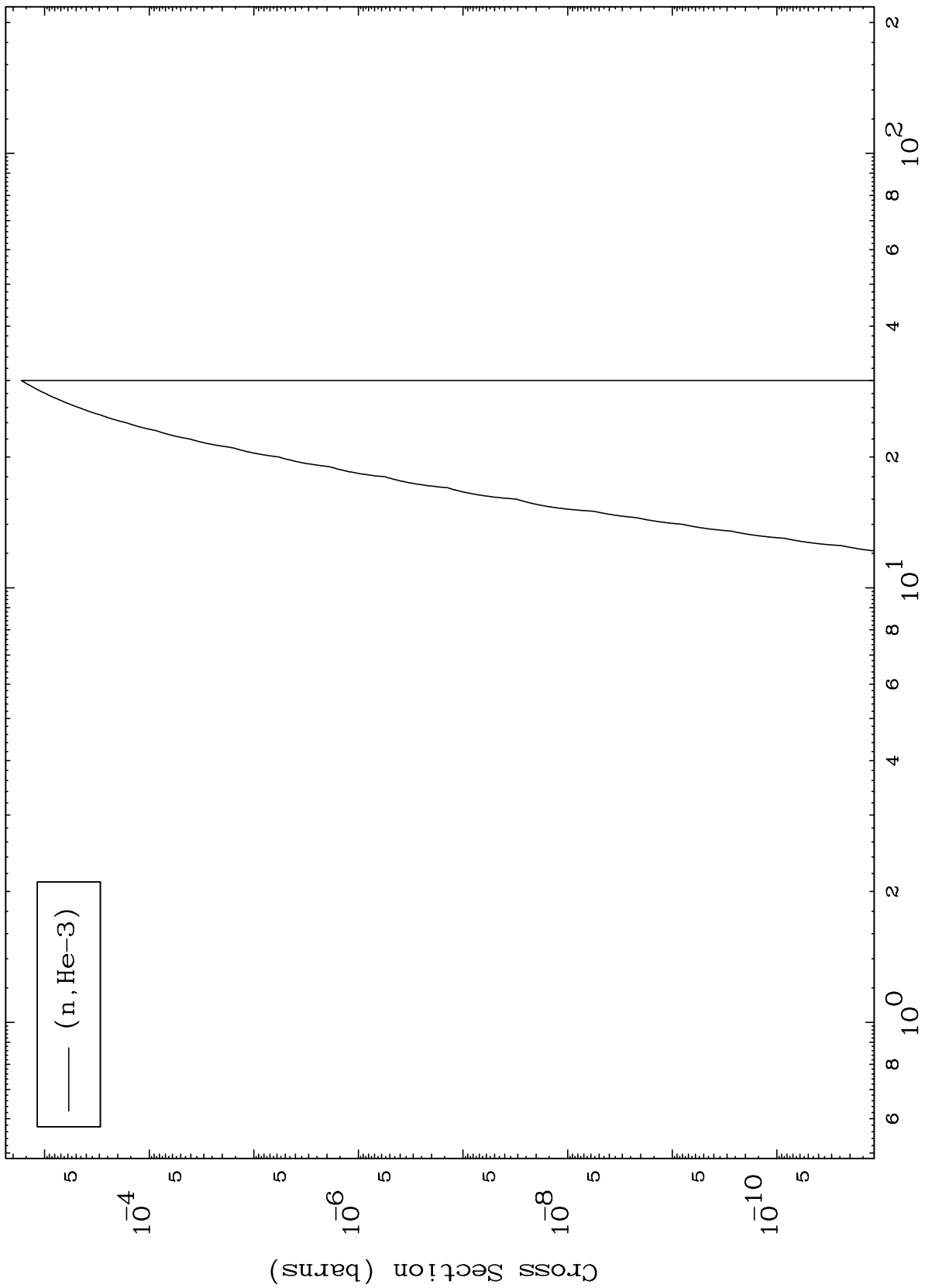
Incident Energy (MeV)

81-Tl-193

MAT 8095

(n,He3) Levels  
293 Kelvin Cross Sections

81-T1-193



13

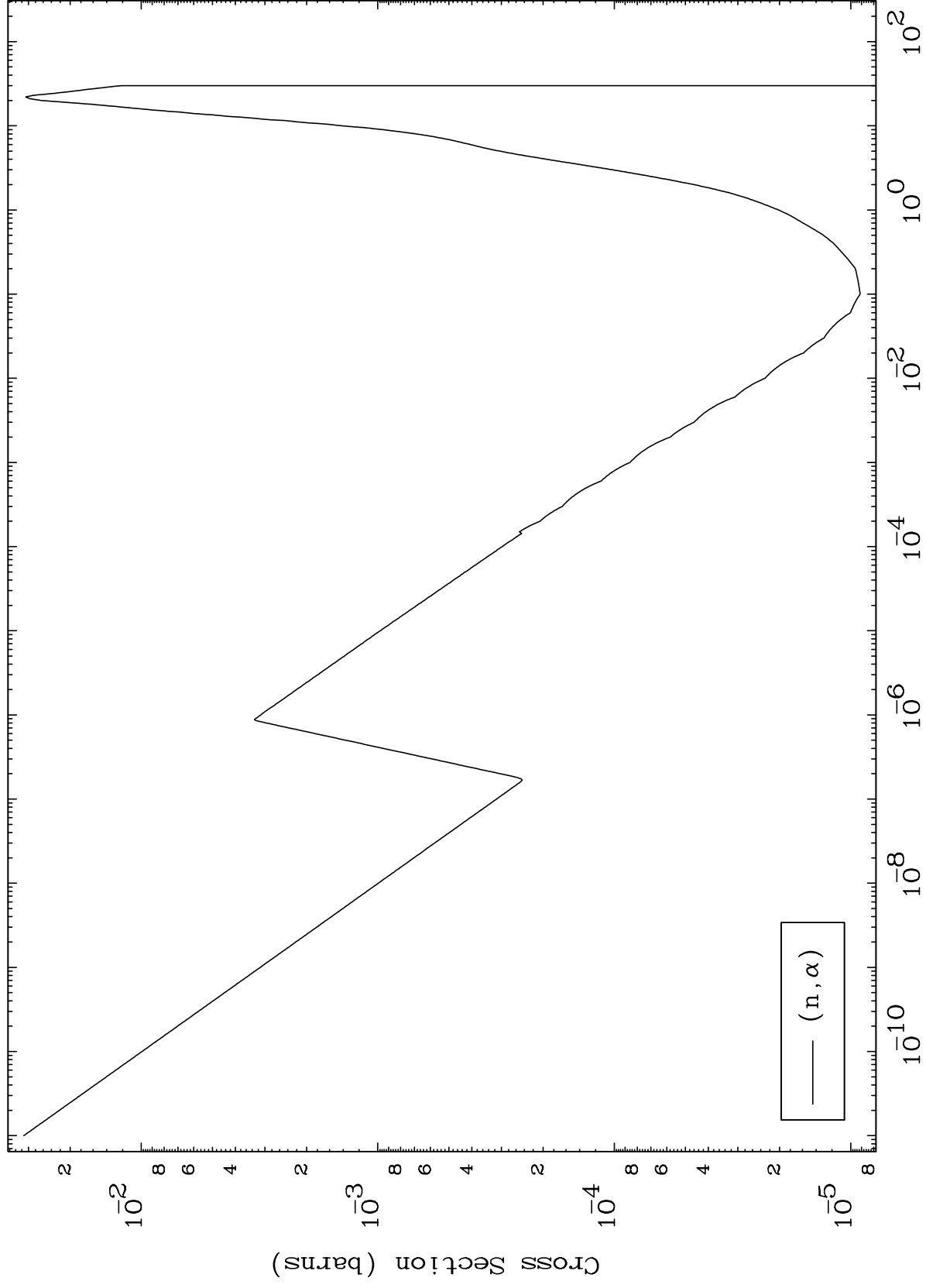
Incident Energy (MeV)

81-T1-193

MAT 8095

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

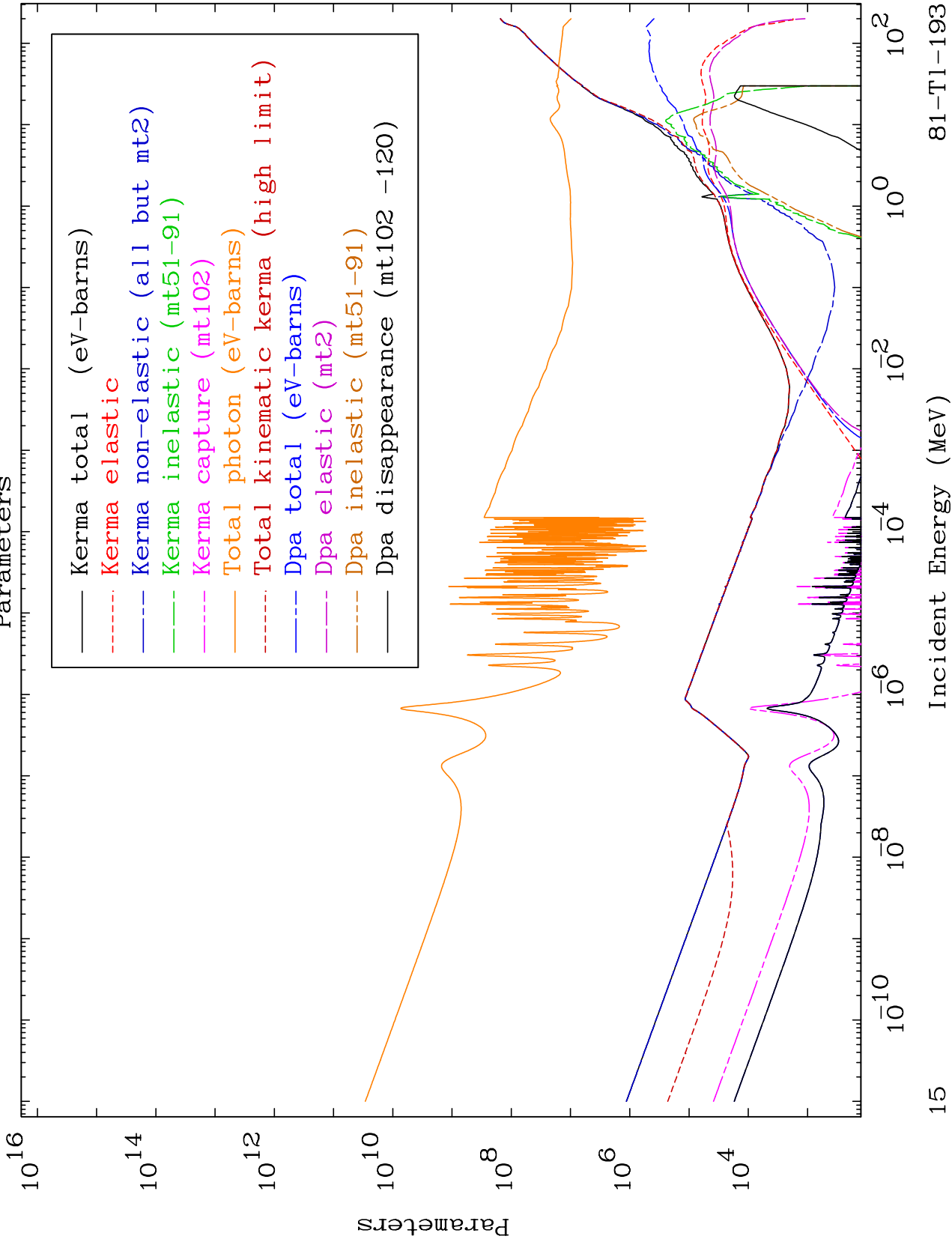
81-Tl-193



14

Incident Energy (MeV)

81-Tl-193

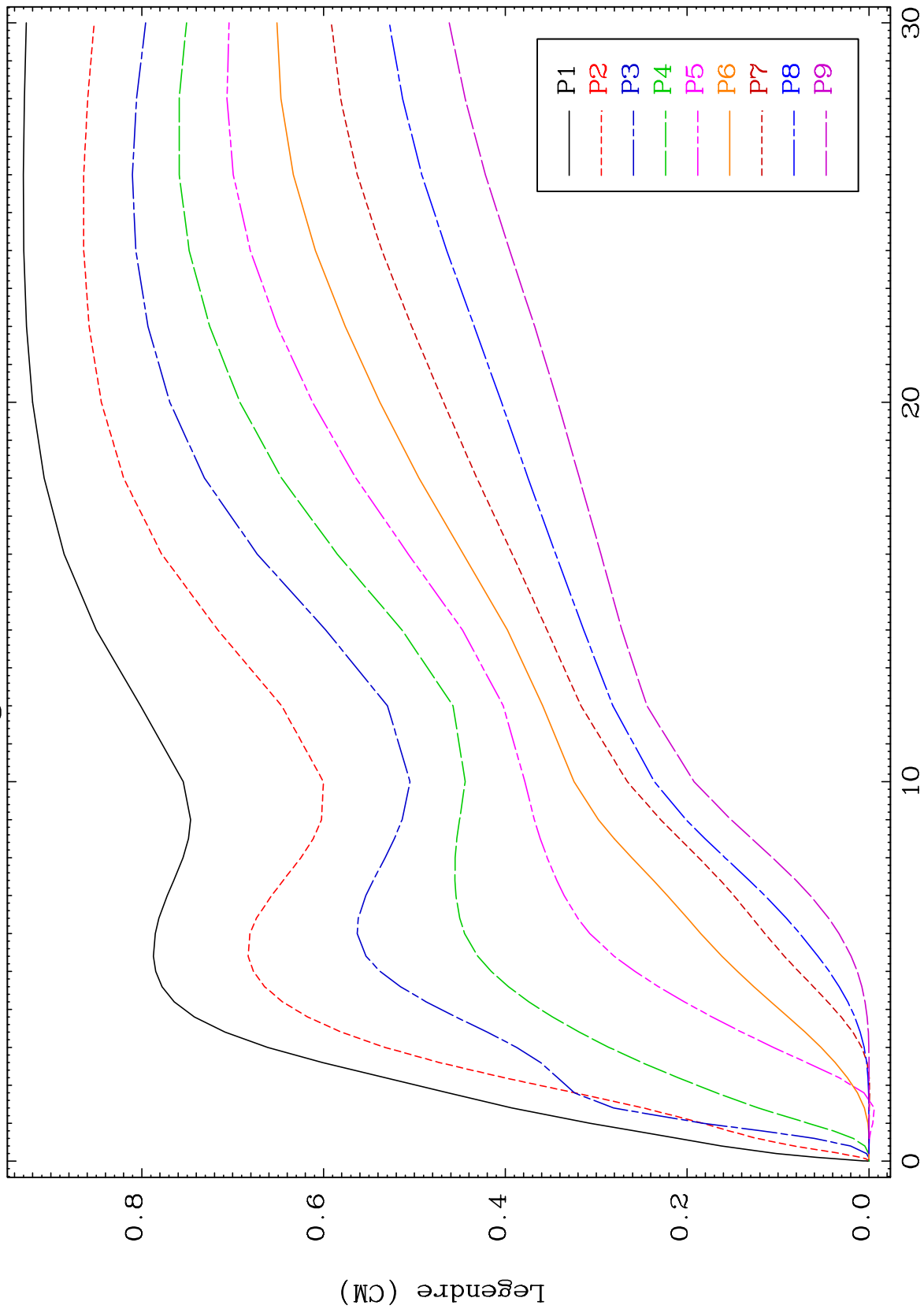




MAT 8095

Elastic Legendre Coefficients

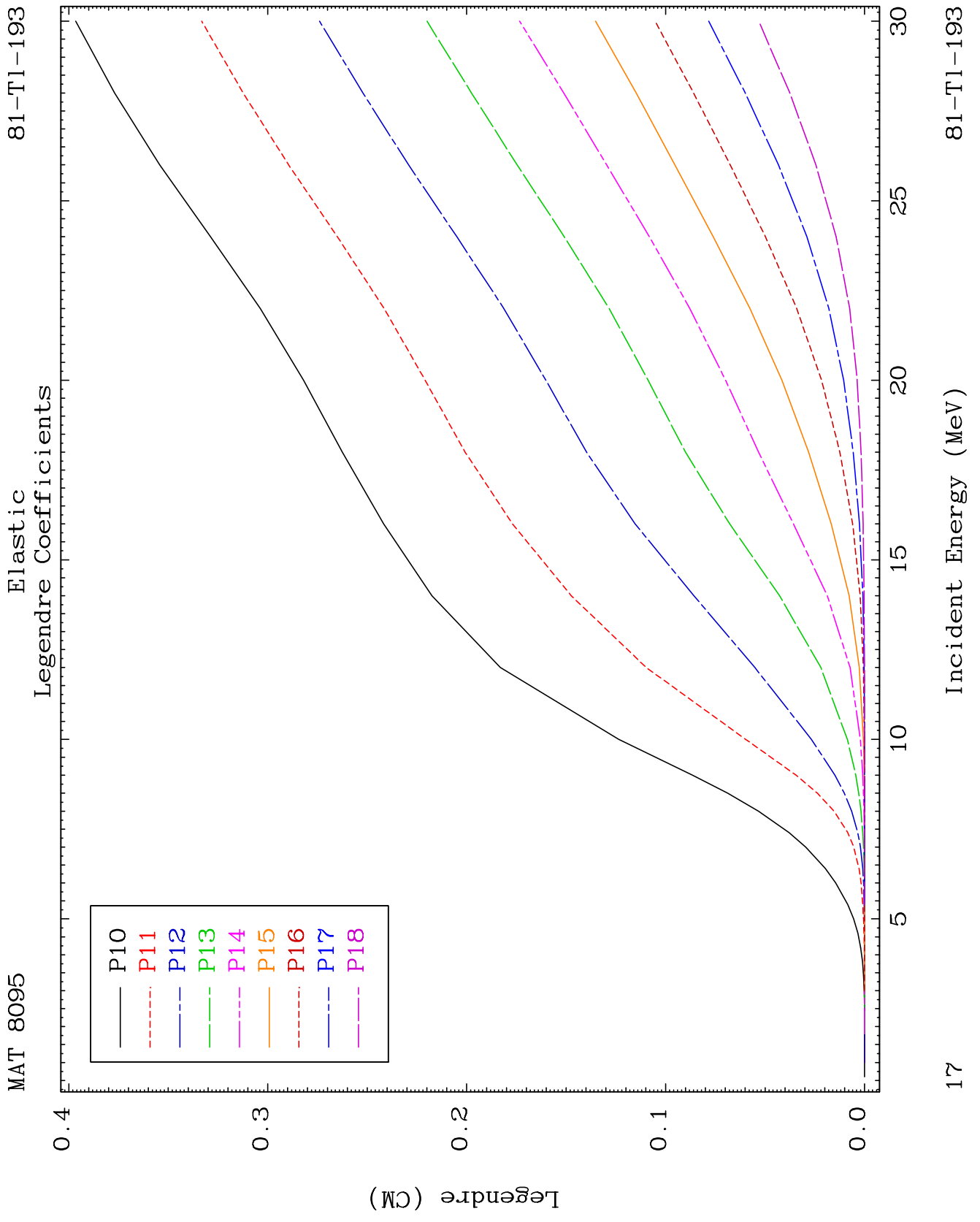
81-Tl-193



16

Incident Energy (MeV)

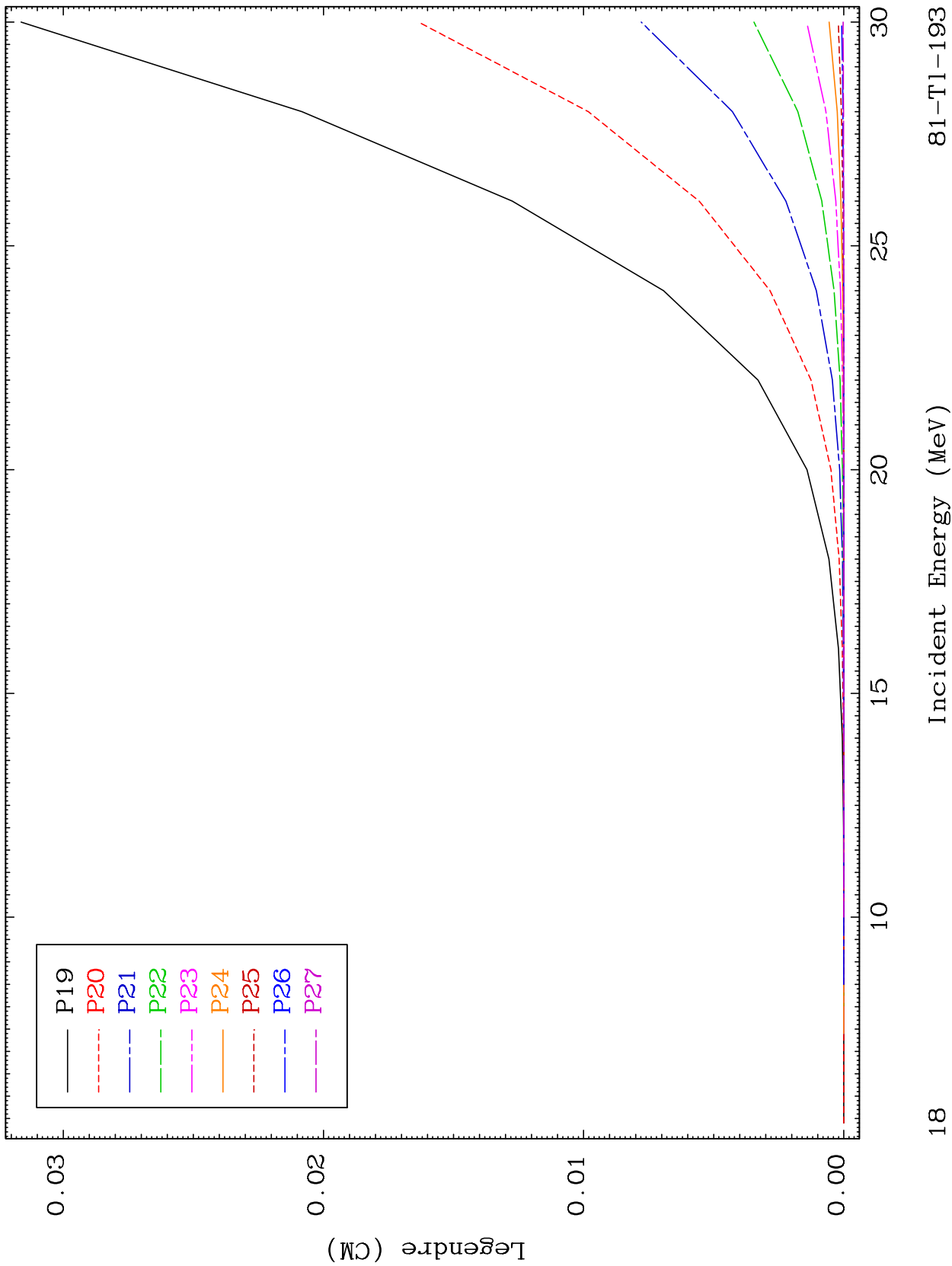
81-Tl-193



MAT 8095

### Elastic Legendre Coefficients

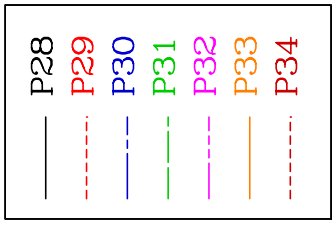
81-Tl-193



MAT 8095

Elastic Legendre Coefficients

81-T1-193



$\times 10^{-6}$

Legendre (CM)

10

15

20

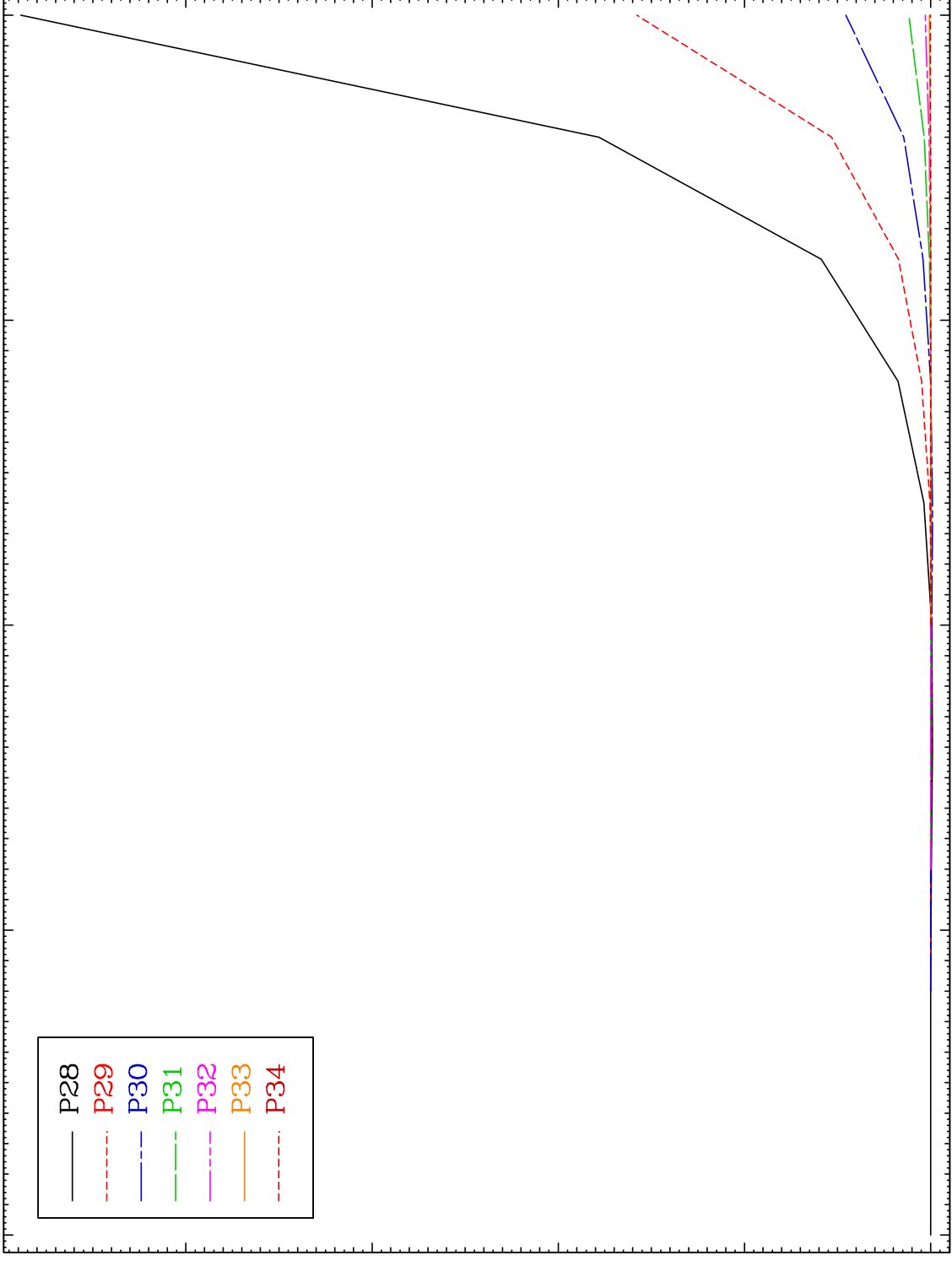
25

30

19

Incident Energy (MeV)

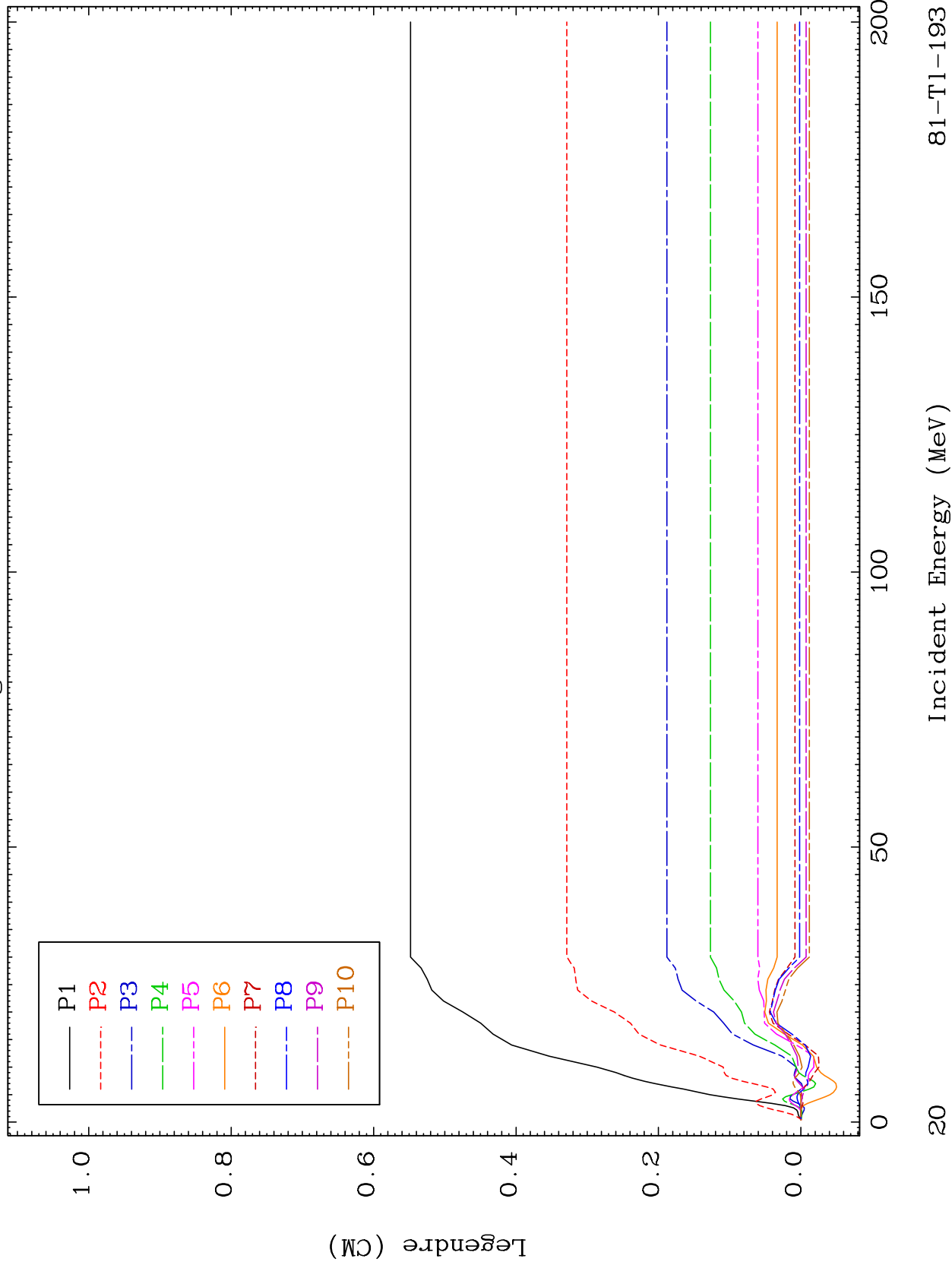
81-T1-193



MAT 8095

365.2 keV (n,n') Level  
Legendre Coefficients

81-Tl-193



81-Tl-193

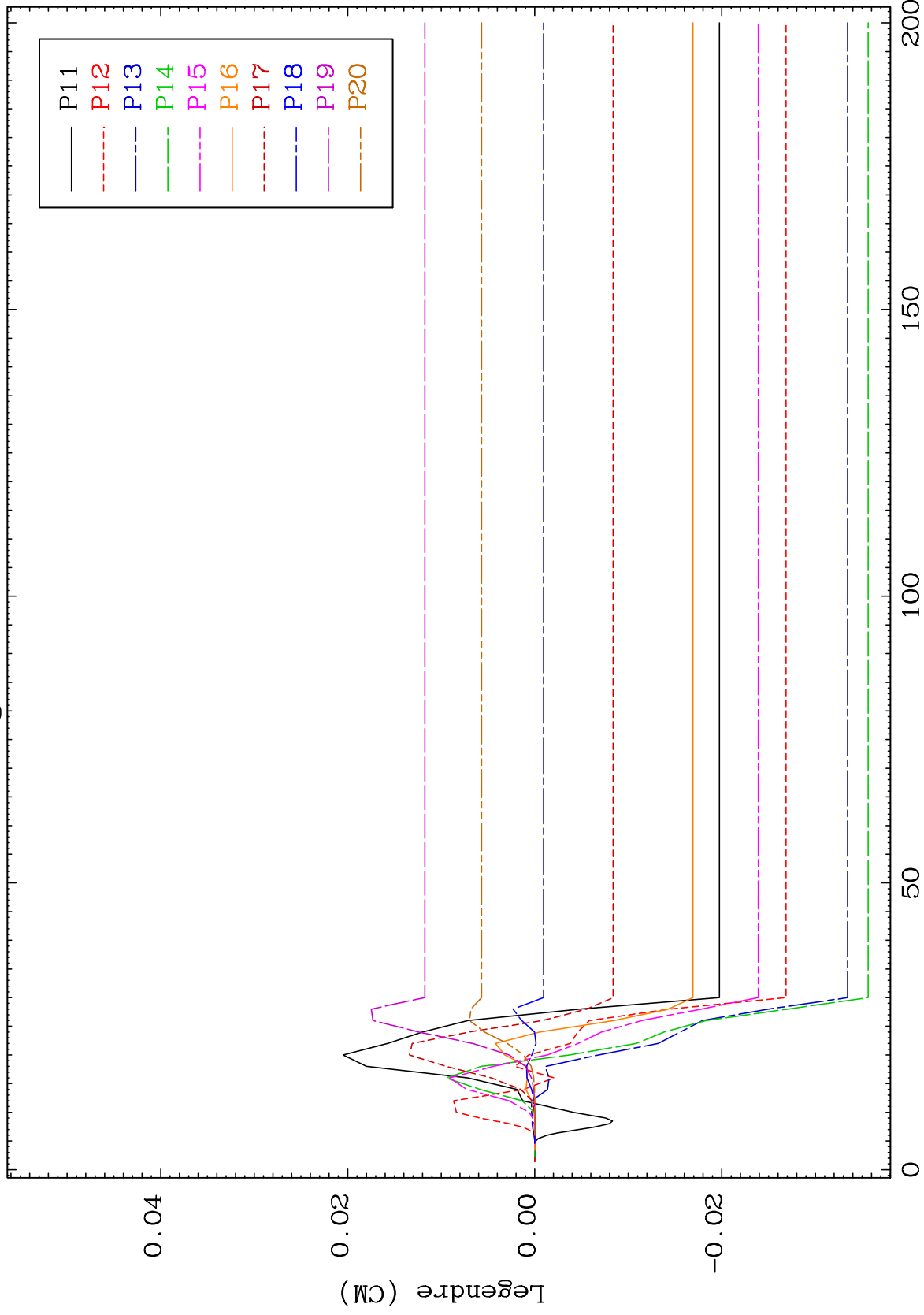
Incident Energy (MeV)

0

MAT 8095

365.2 keV (n,n') Level  
Legendre Coefficients

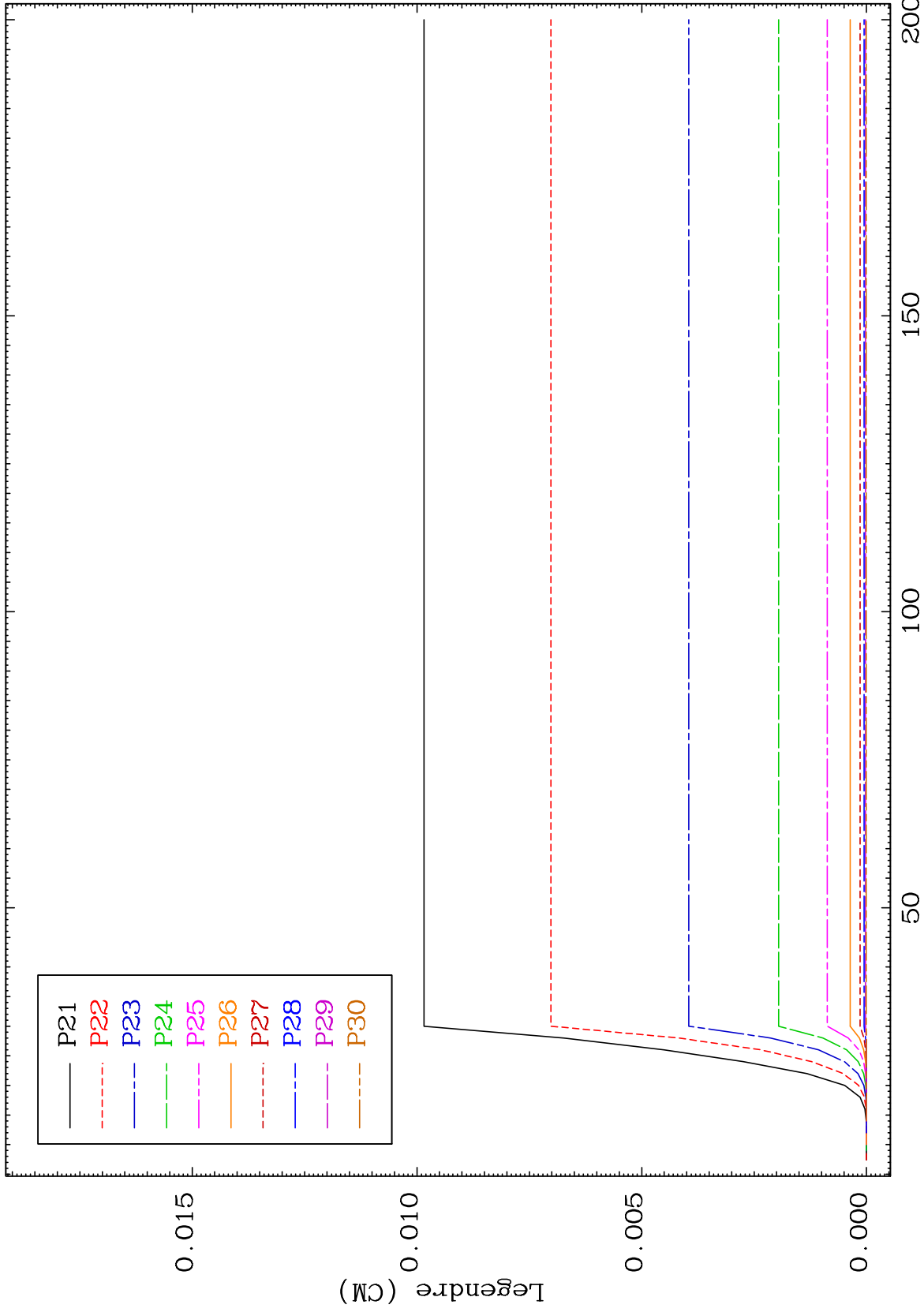
81-T1-193

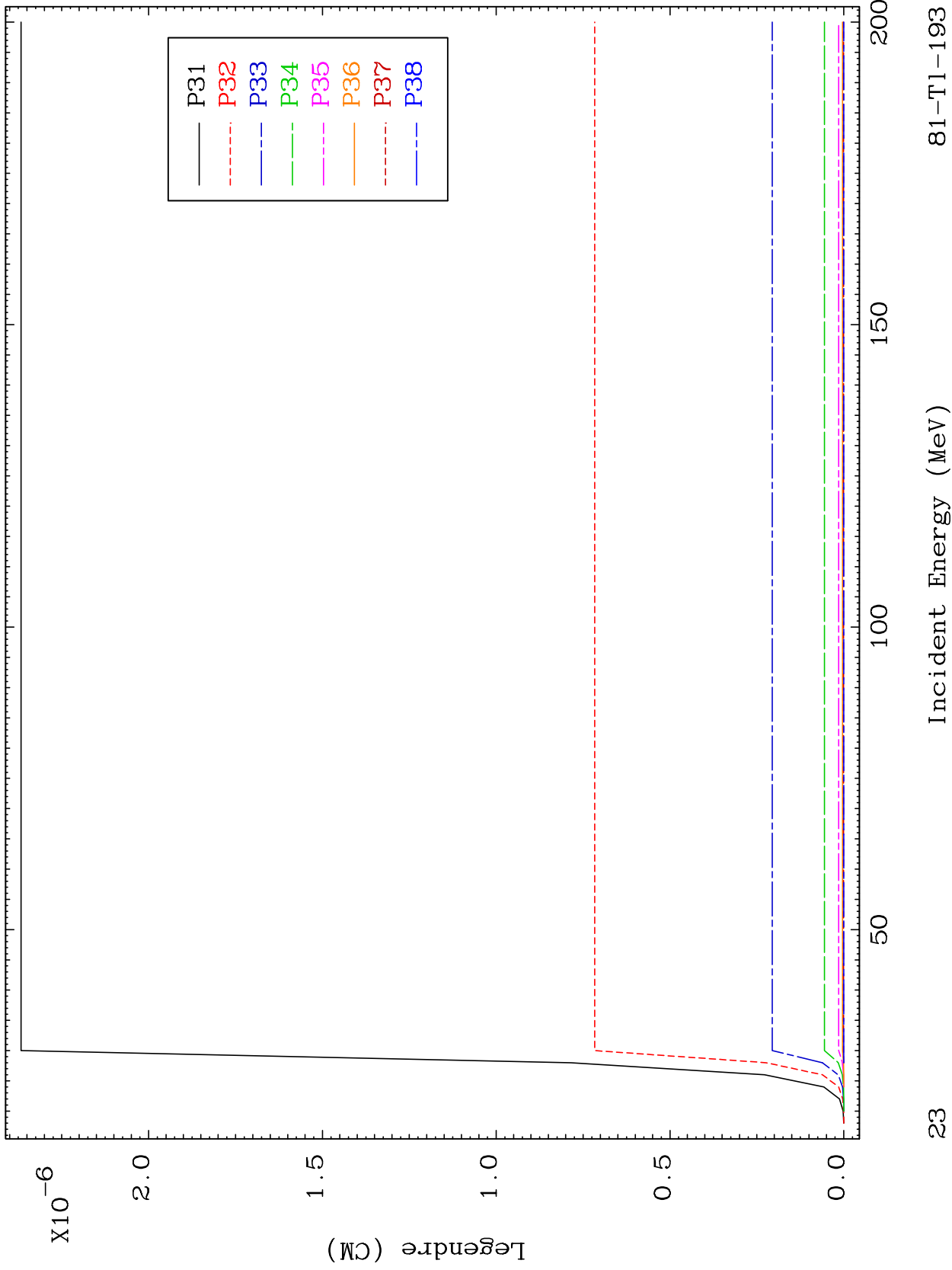


21

Incident Energy (MeV)

81-T1-193



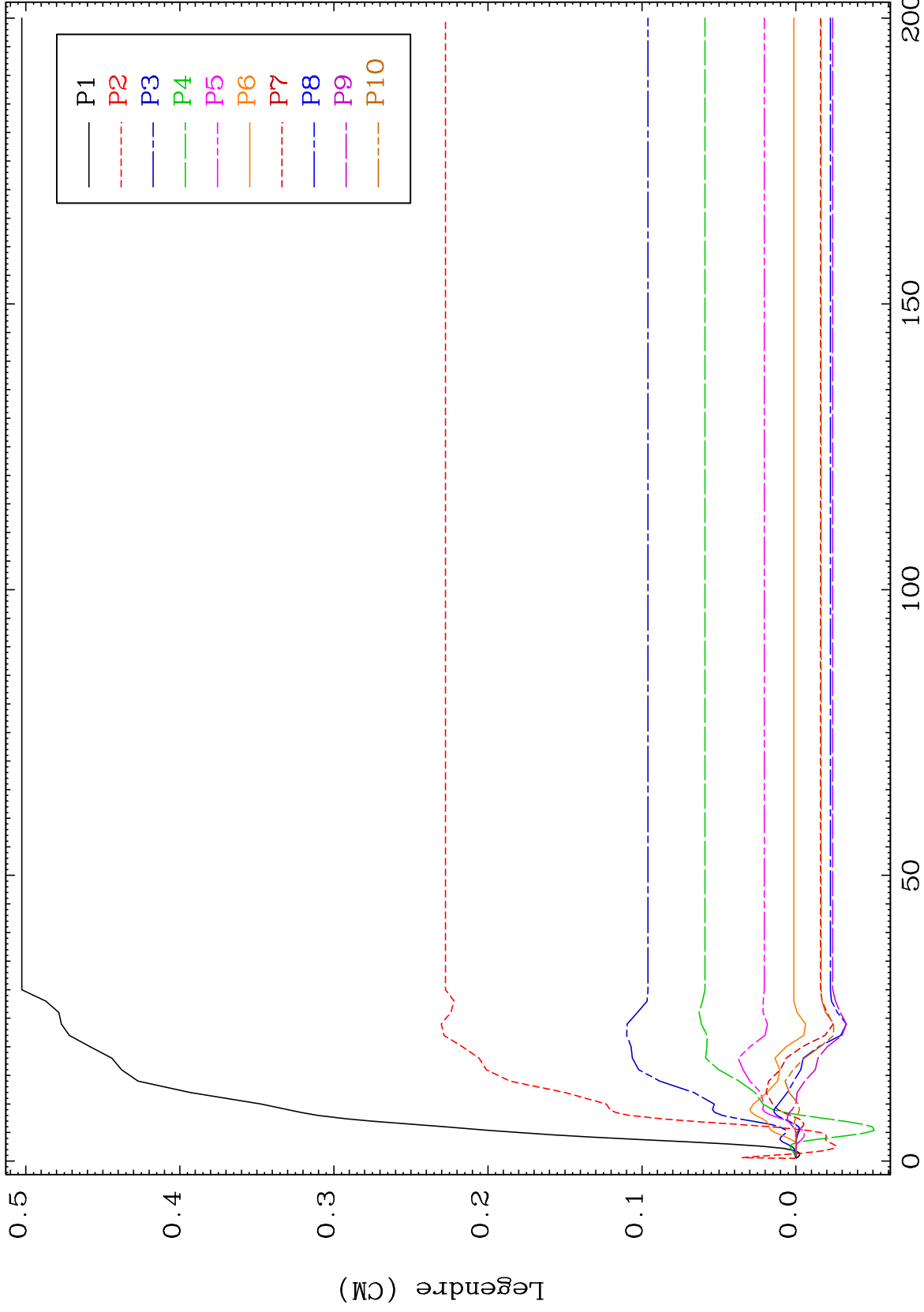




MAT 8095

473.0 keV (n,n') Level  
Legendre Coefficients

81-T1-193



24

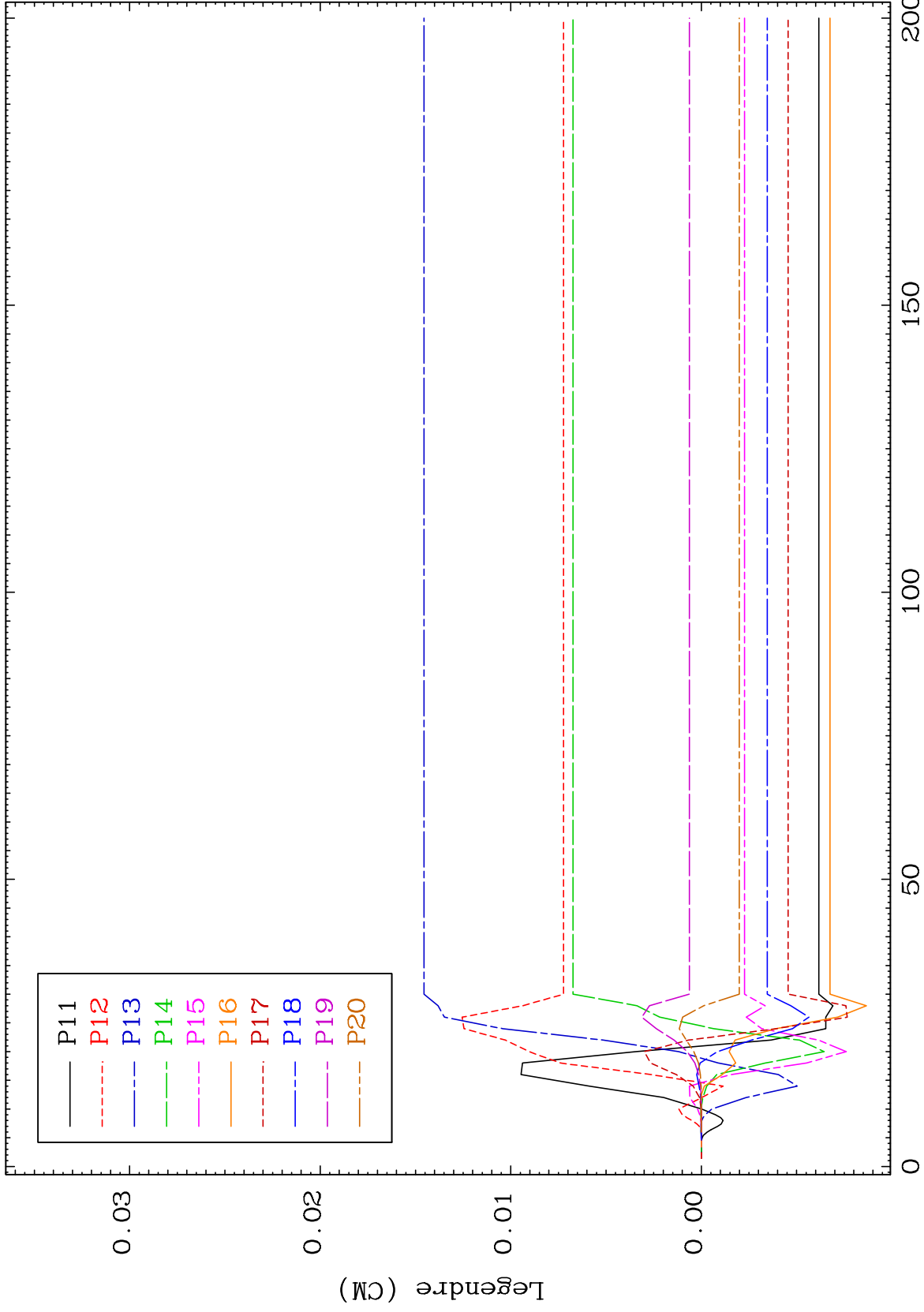
Incident Energy (MeV)

81-T1-193

MAT 8095

473.0 keV (n,n') Level  
Legendre Coefficients

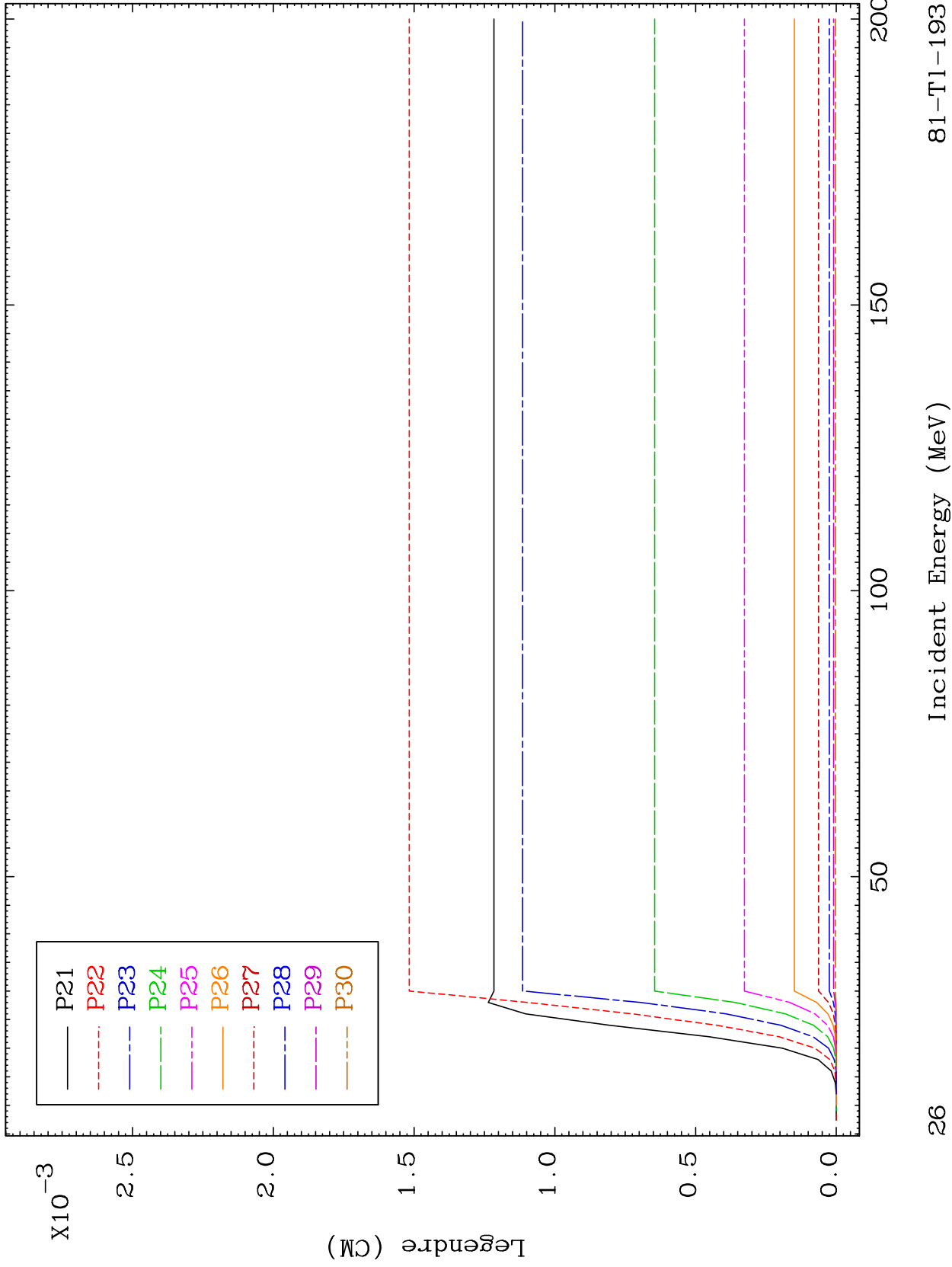
81-Tl-193

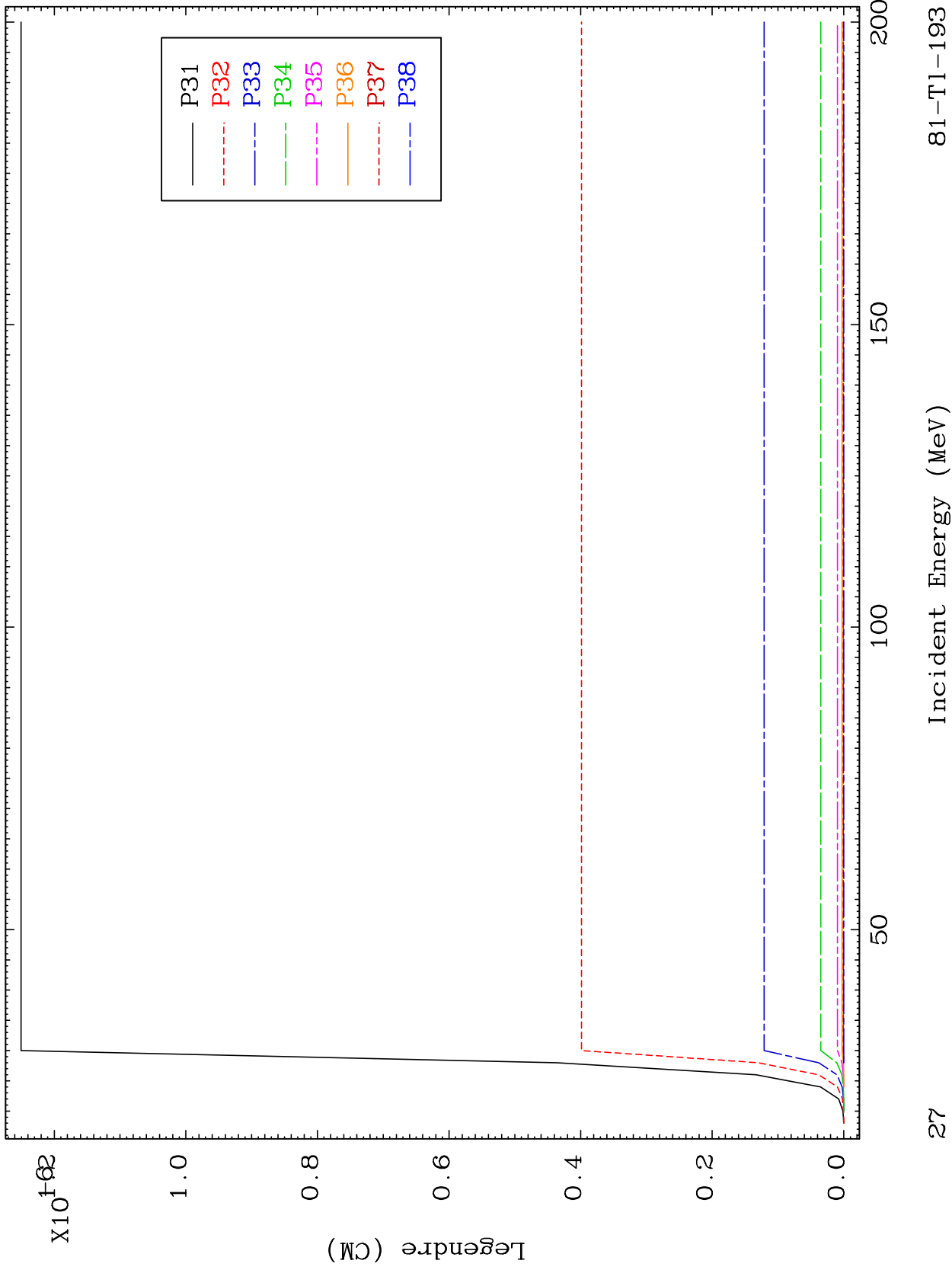


25

Incident Energy (MeV)

81-Tl-193

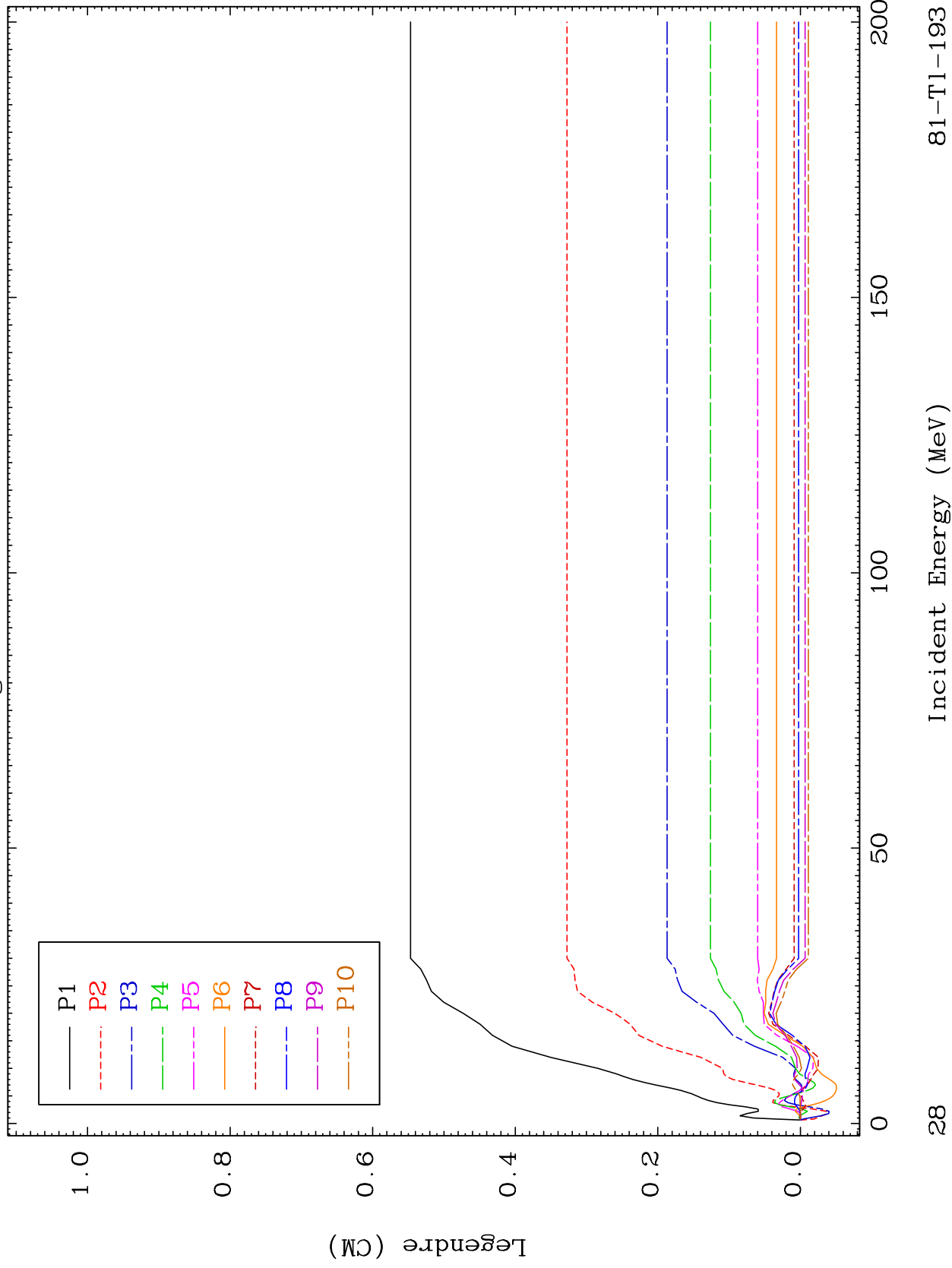




MAT 8095

607.1 keV (n,n') Level  
Legendre Coefficients

81-Tl-193



81-Tl-193

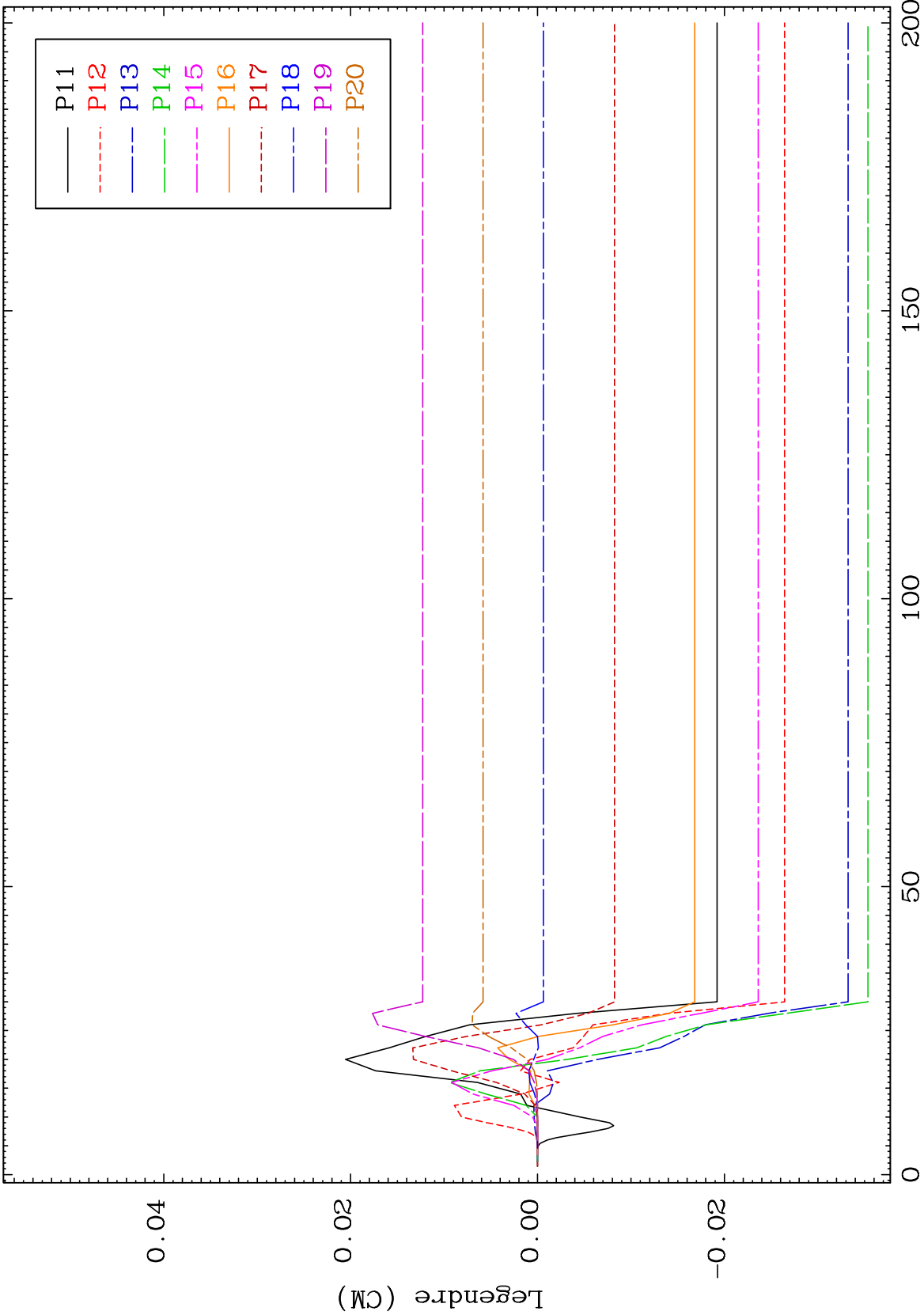
Incident Energy (MeV)

28

MAT 8095

607.1 keV (n,n') Level  
Legendre Coefficients

81-T1-193



29

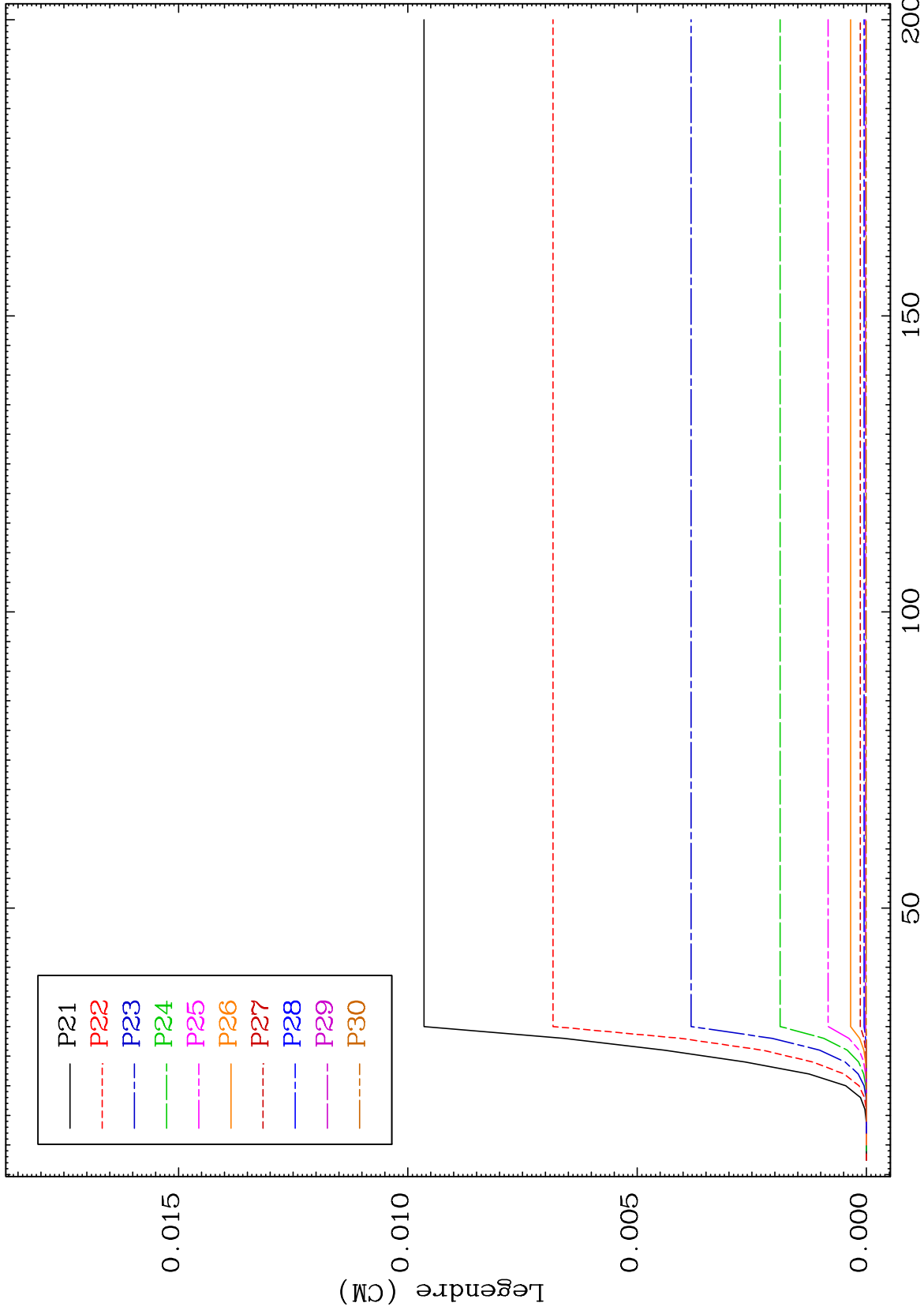
Incident Energy (MeV)

81-T1-193

MAT 8095

607.1 keV (n,n') Level  
Legendre Coefficients

81-Tl-193



30

Incident Energy (MeV)

50

100

150

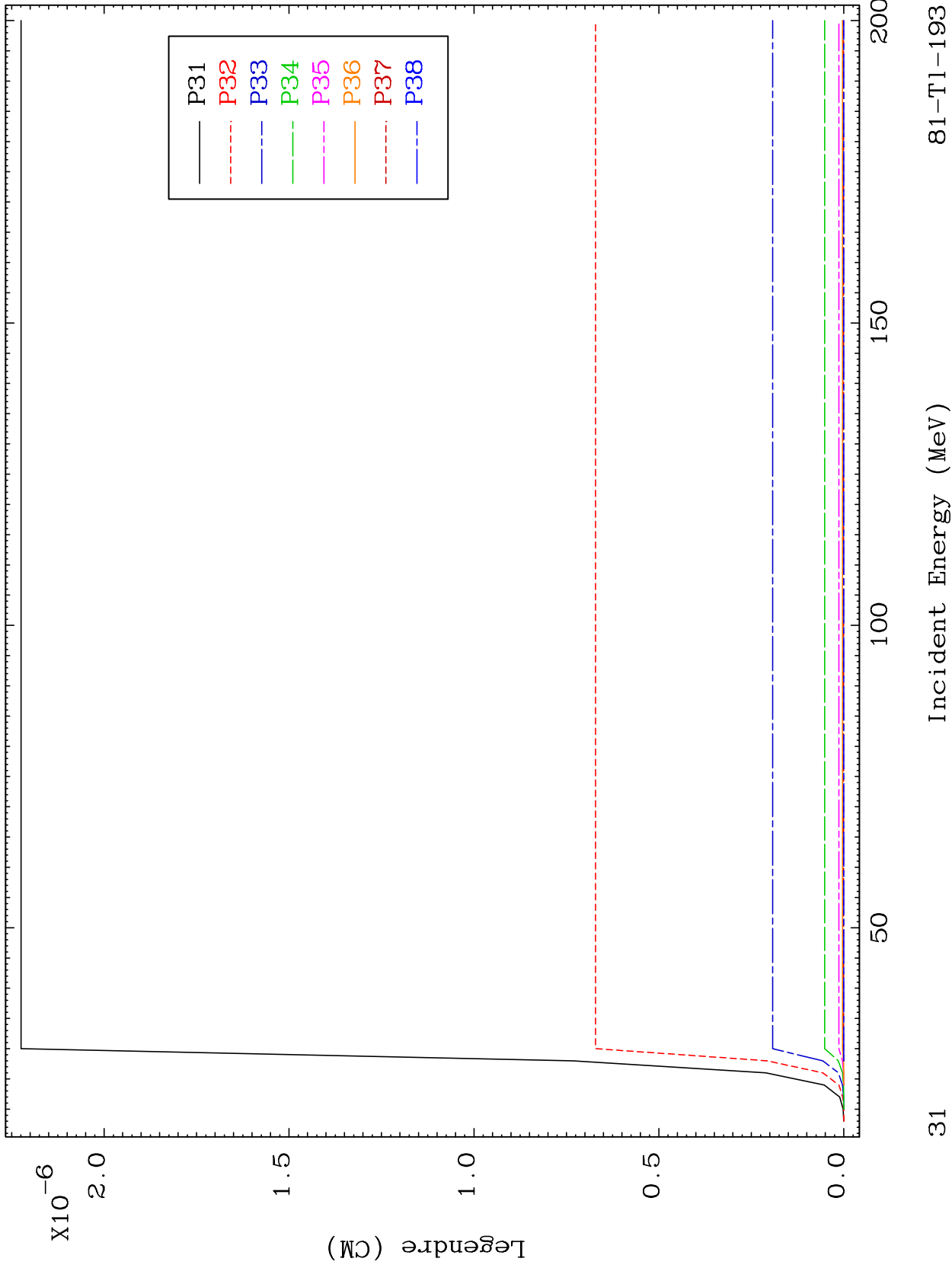
200

81-Tl-193

MAT 8095

607.1 keV (n,n') Level  
Legendre Coefficients

81-T1-193



31

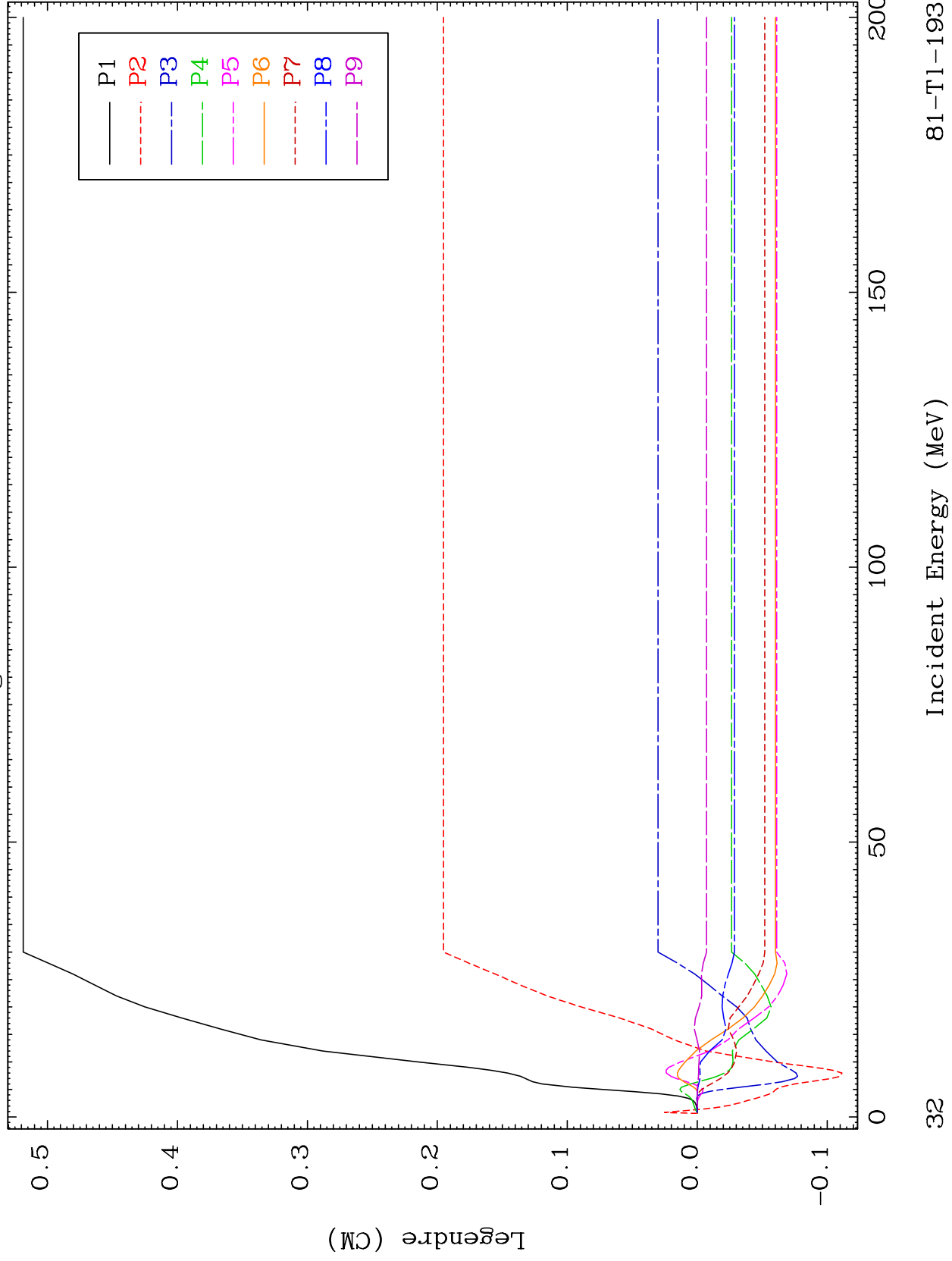
81-T1-193



MAT 8095

646.6 keV (n,n') Level  
Legendre Coefficients

81-T1-193



81-T1-193

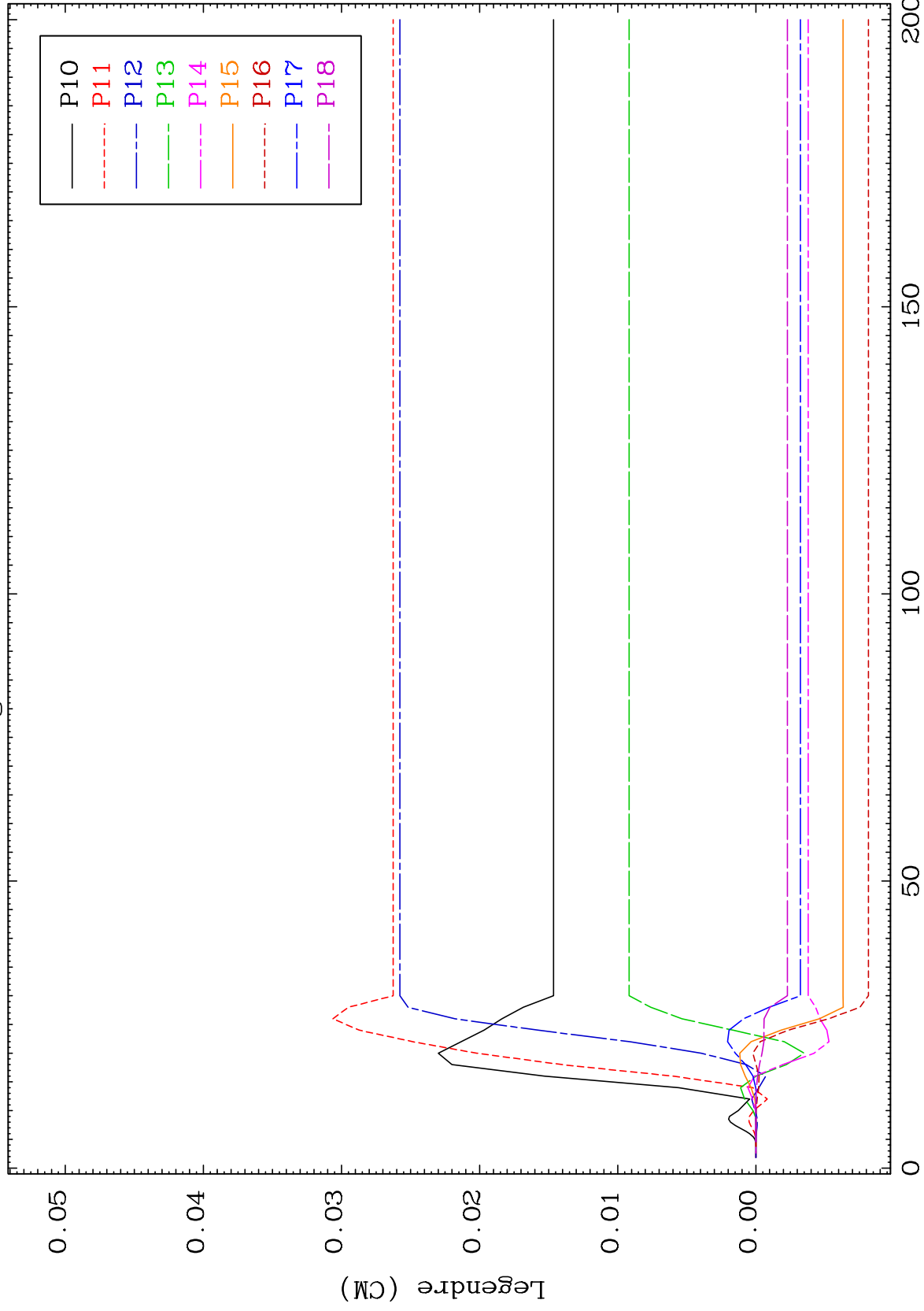
Incident Energy (MeV)

32

MAT 8095

646.6 keV (n,n') Level  
Legendre Coefficients

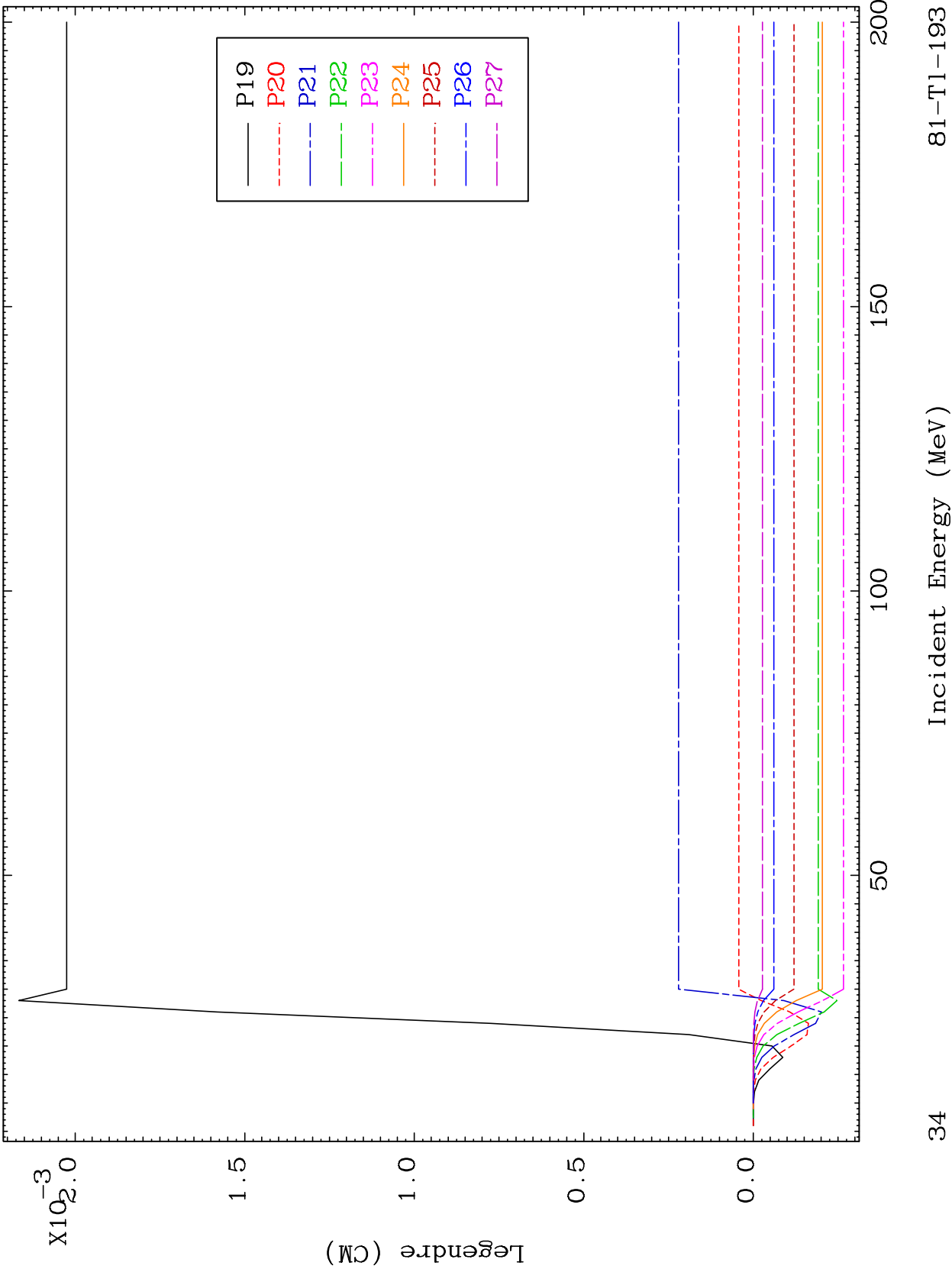
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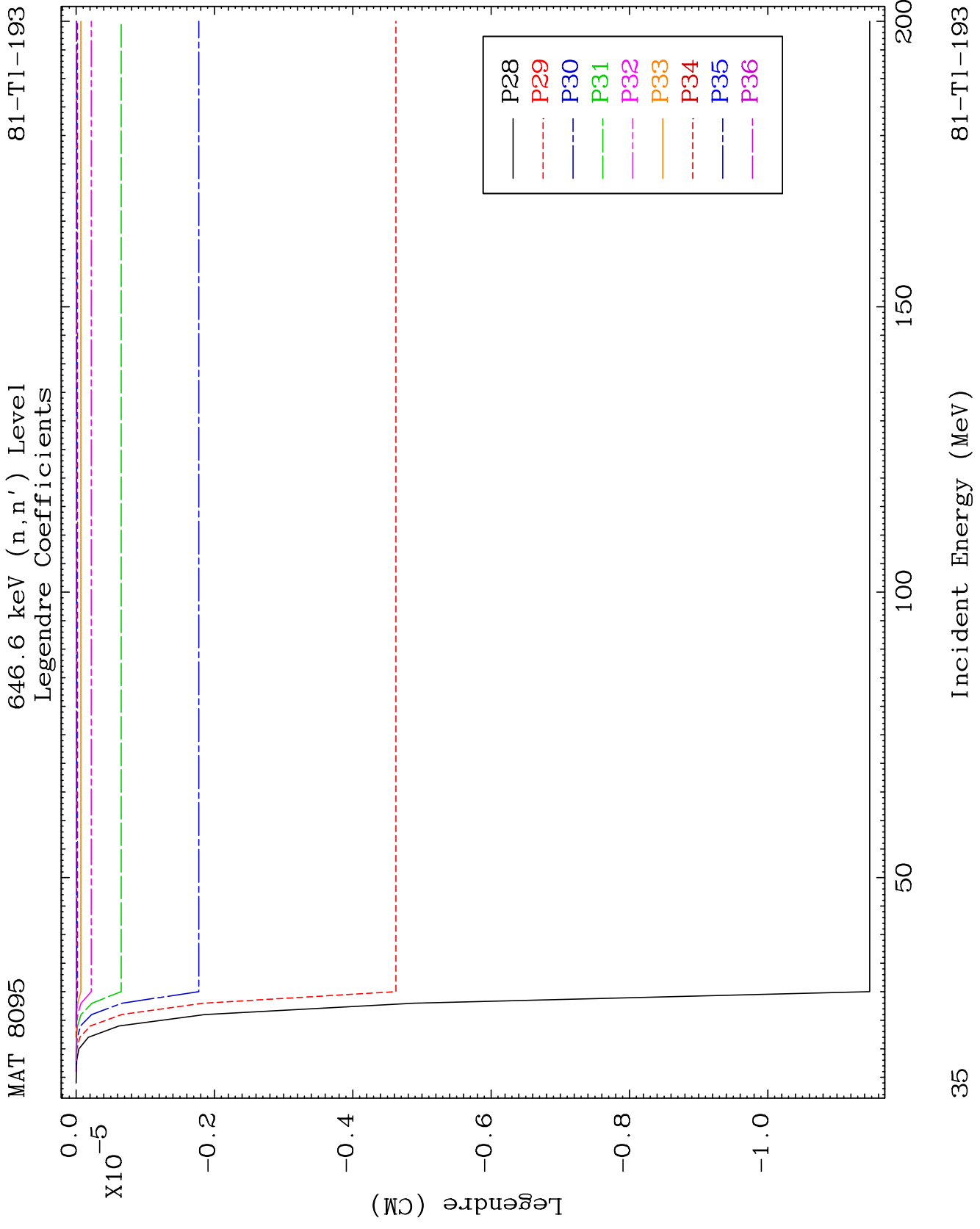


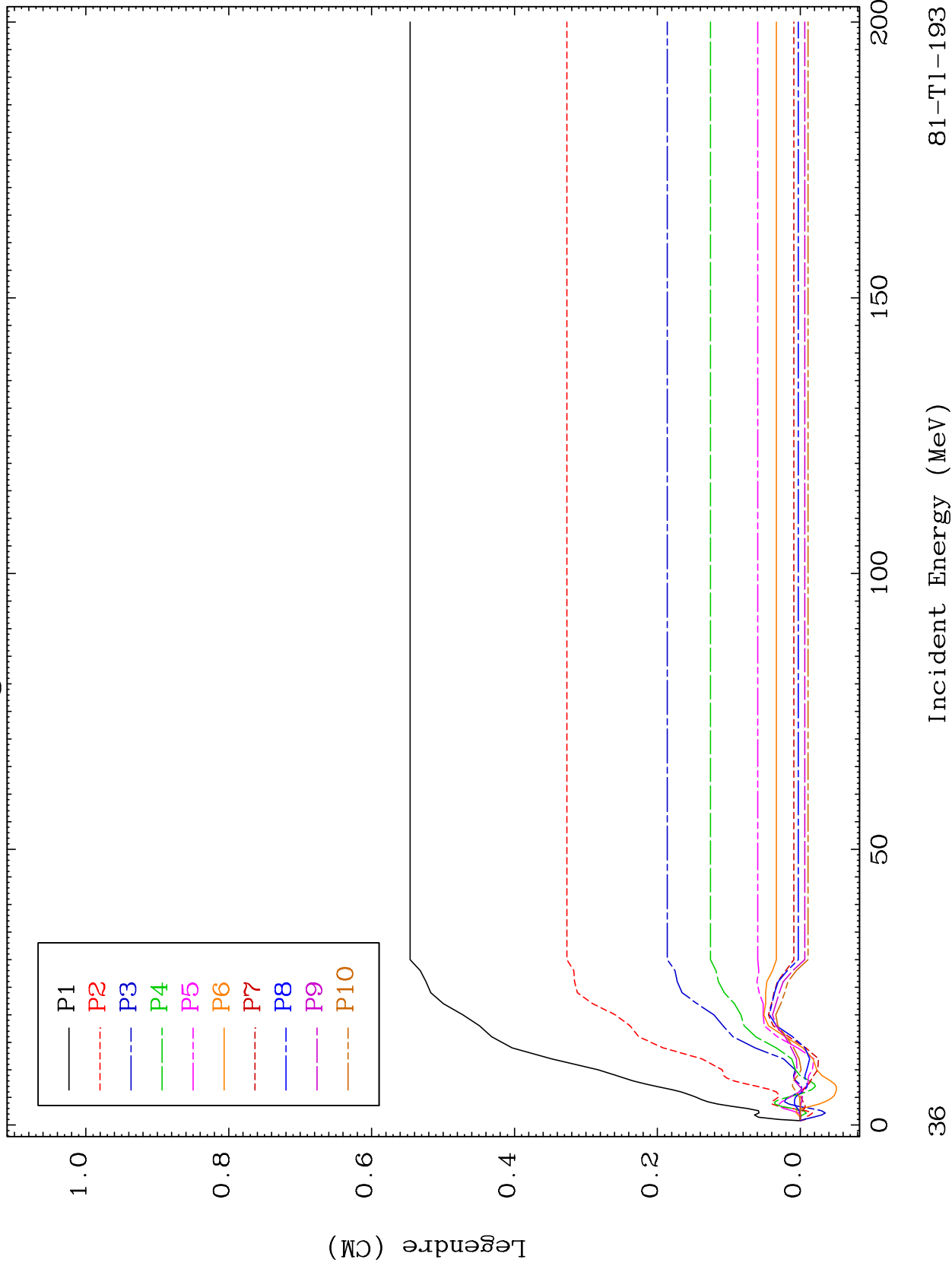
33

Incident Energy (MeV)

81-Tl-193



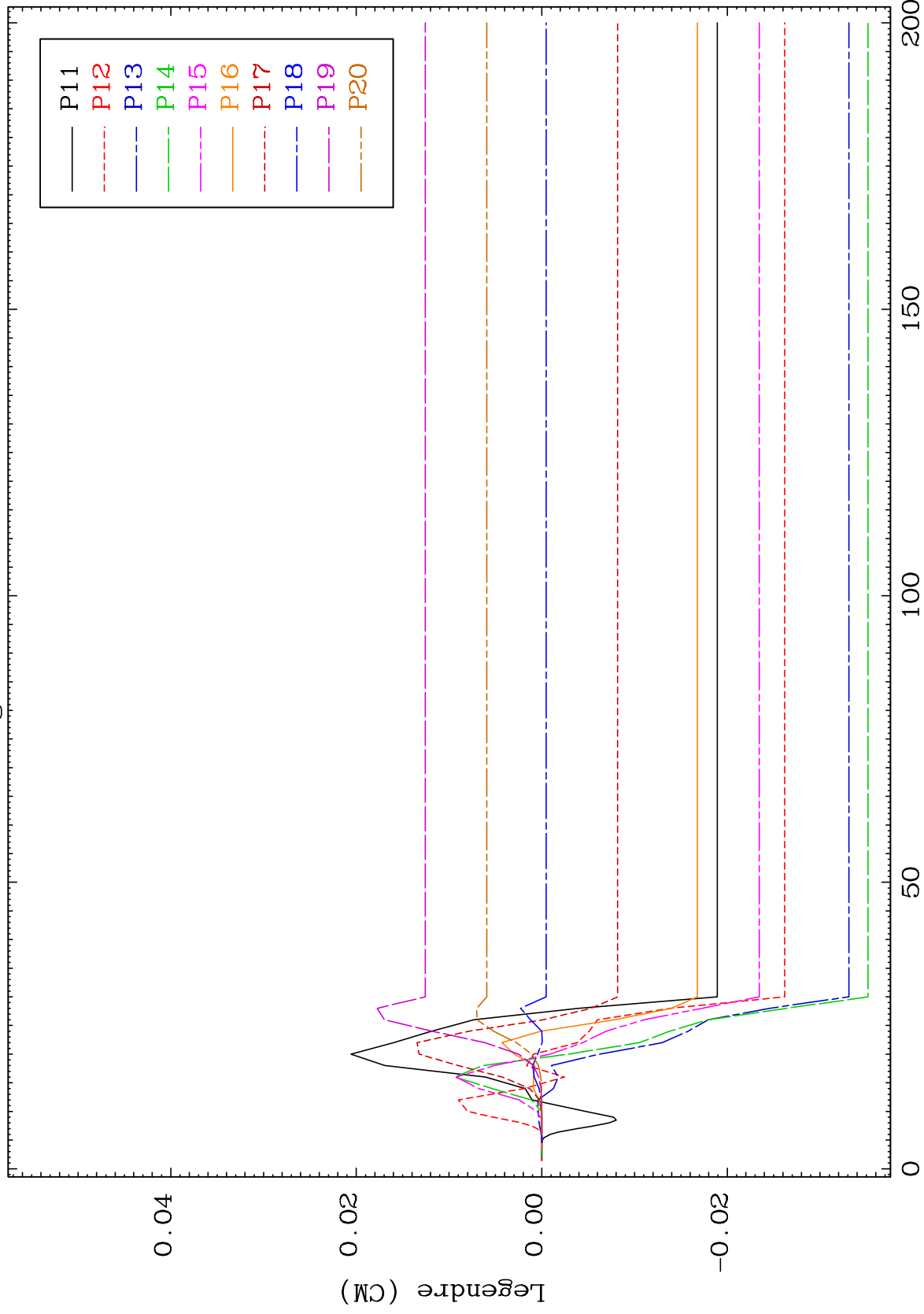




MAT 8095

734.3 keV (n,n') Level  
Legendre Coefficients

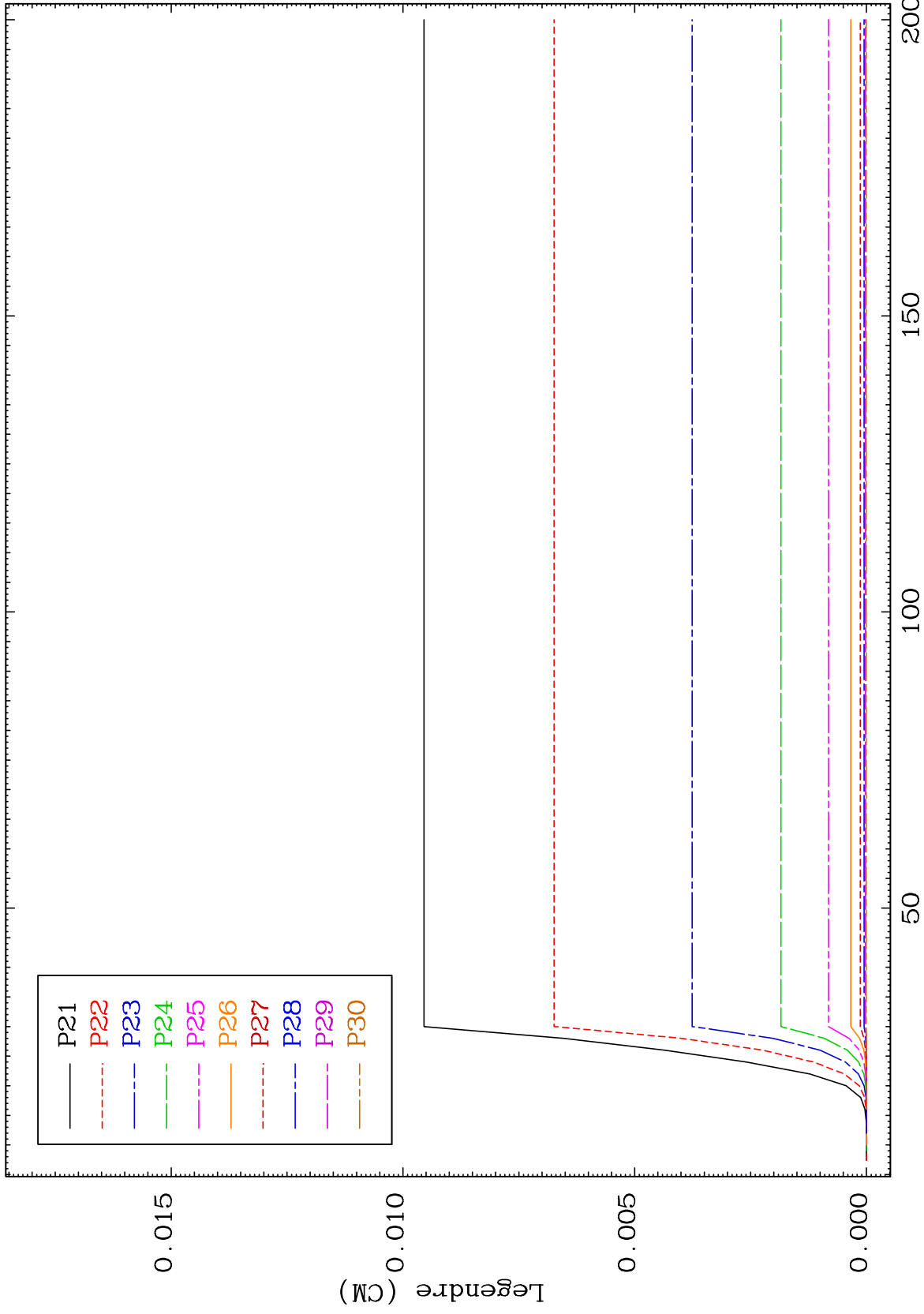
81-T1-193



37

Incident Energy (MeV)

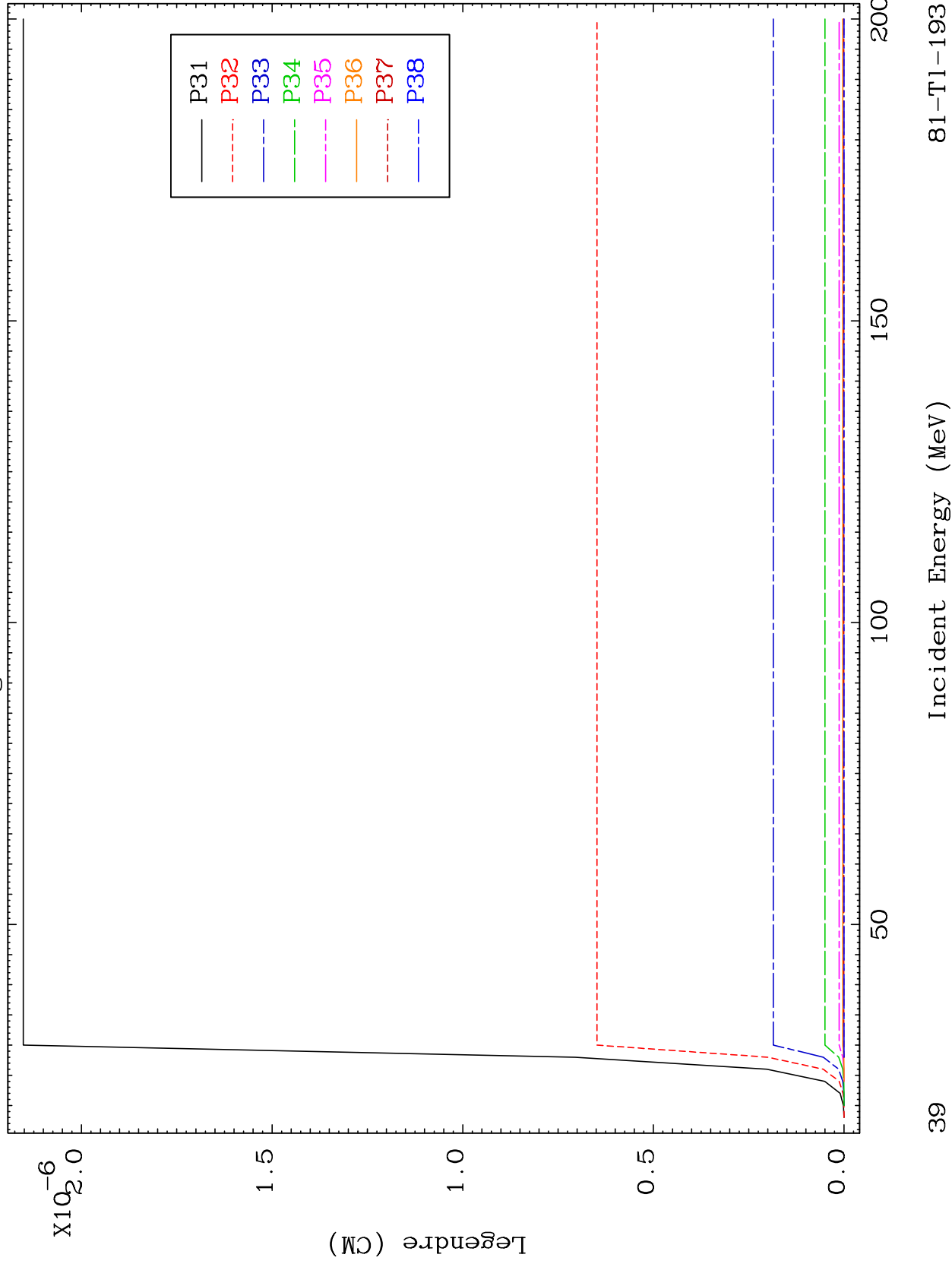
81-T1-193



MAT 8095

734.3 keV (n,n') Level  
Legendre Coefficients

81-T1-193

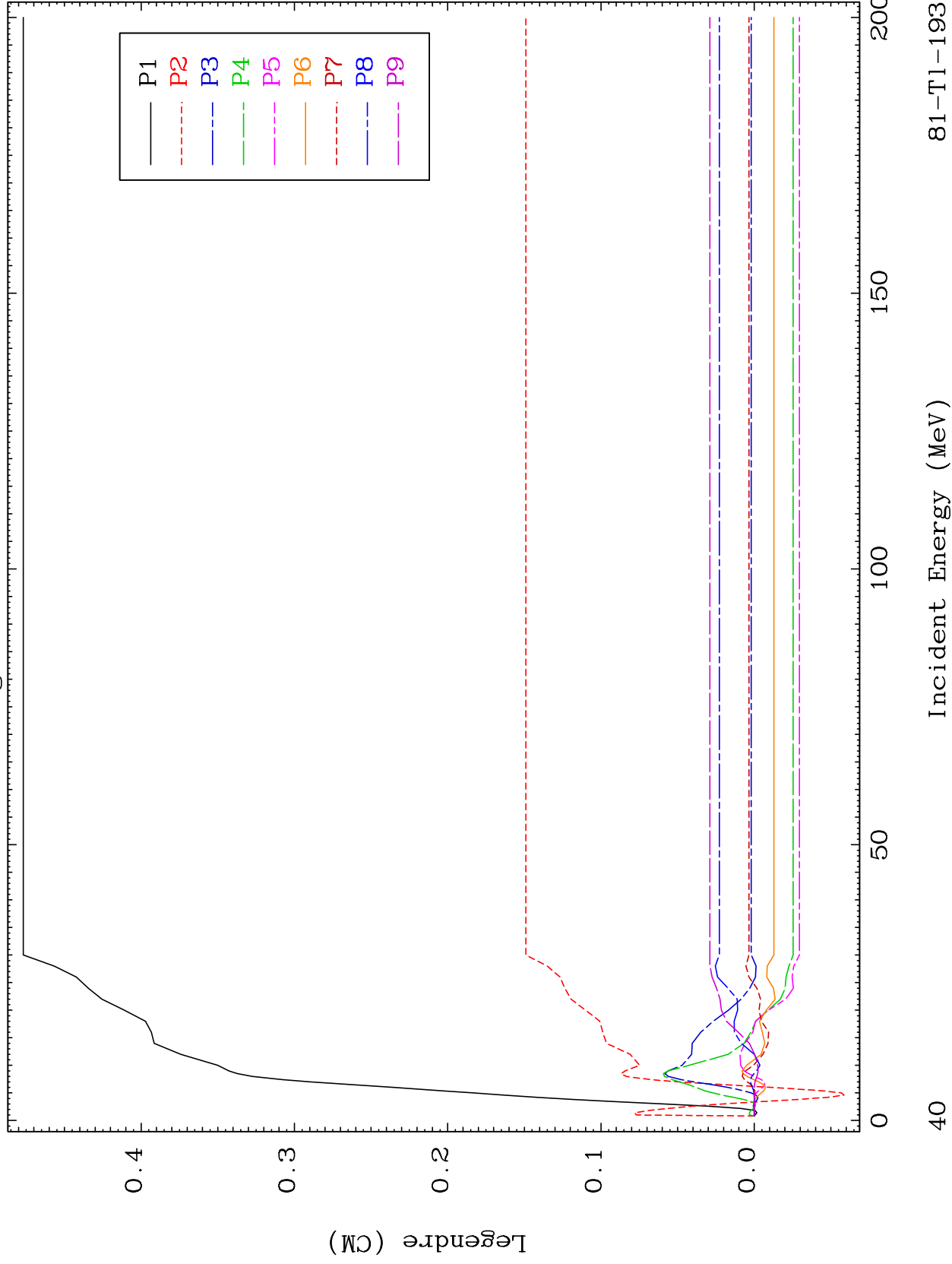


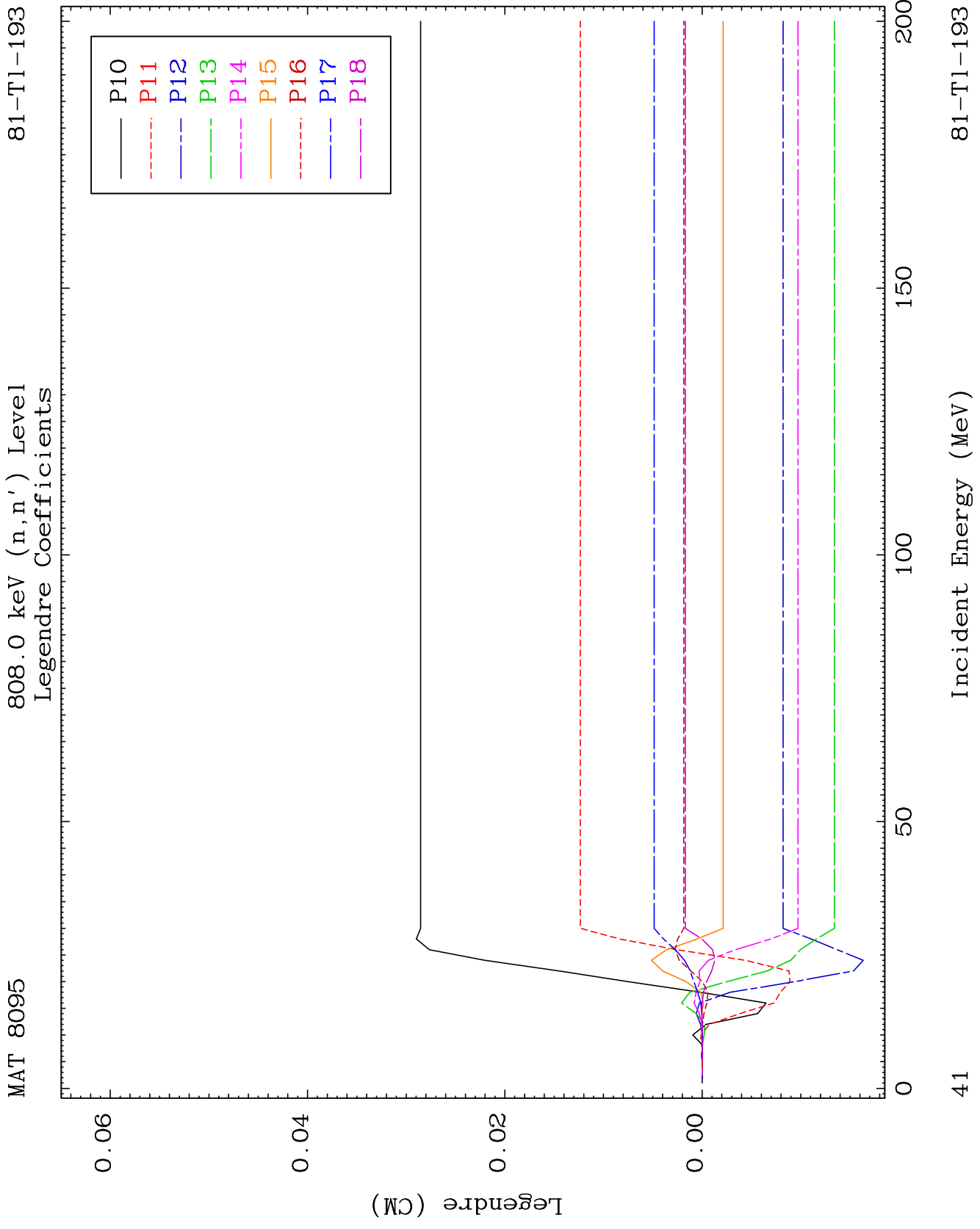


MAT 8095

808.0 keV (n,n') Level  
Legendre Coefficients

81-T1-193

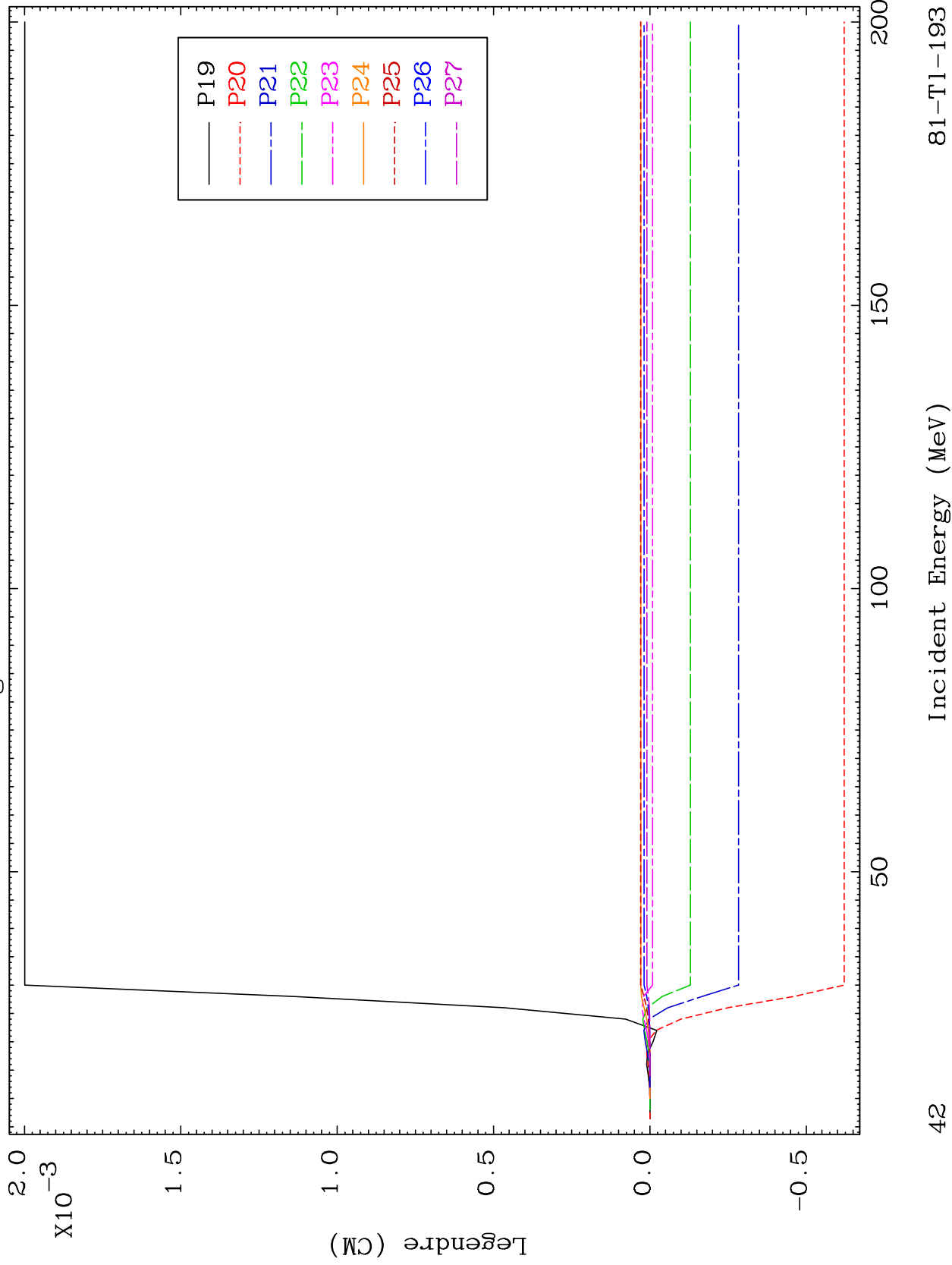




MAT 8095

808.0 keV (n,n') Level  
Legendre Coefficients

81-Tl-193



42

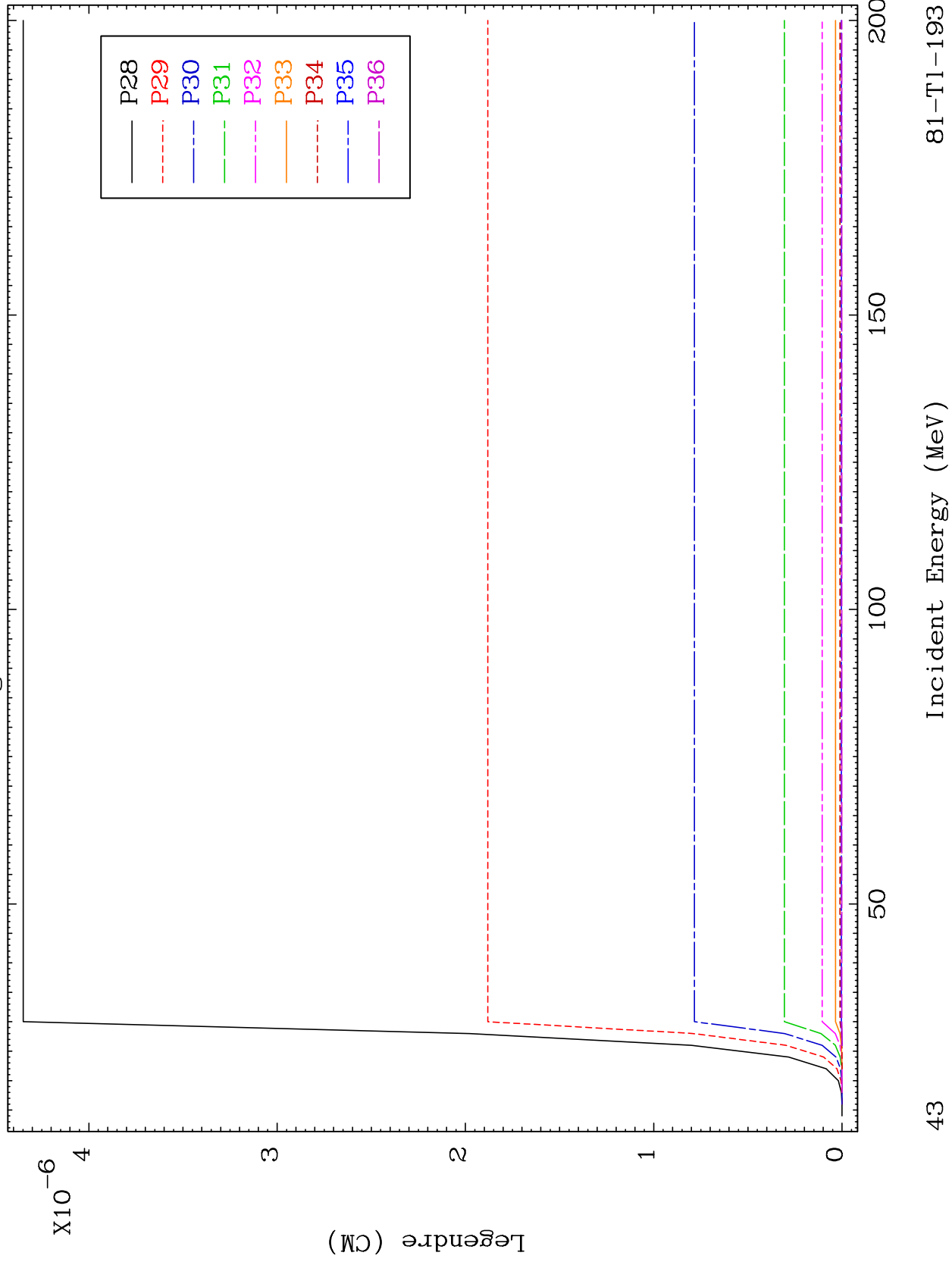
Incident Energy (MeV)

81-Tl-193

MAT 8095

808.0 keV (n,n') Level  
Legendre Coefficients

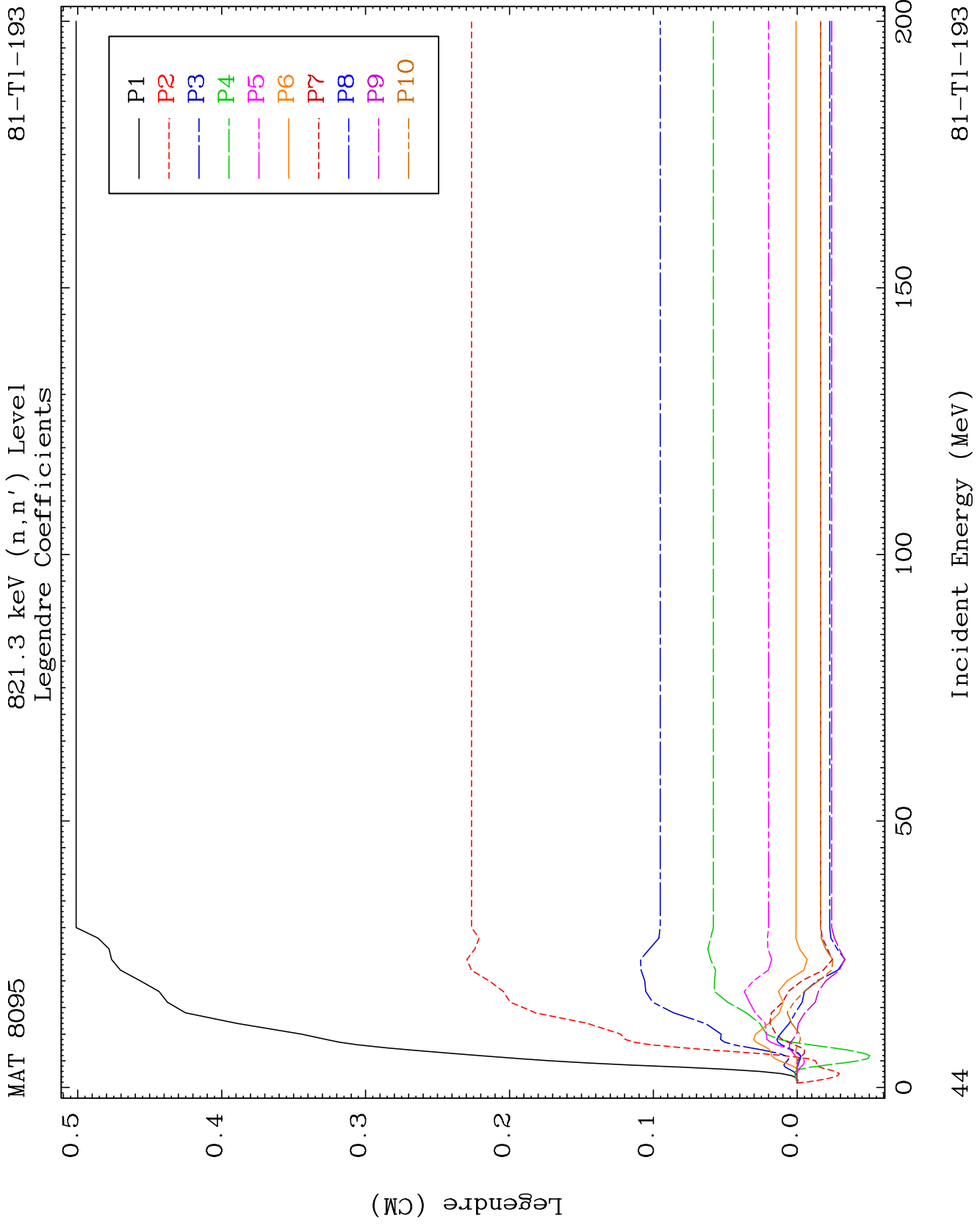
81-T1-193



43

Incident Energy (MeV)

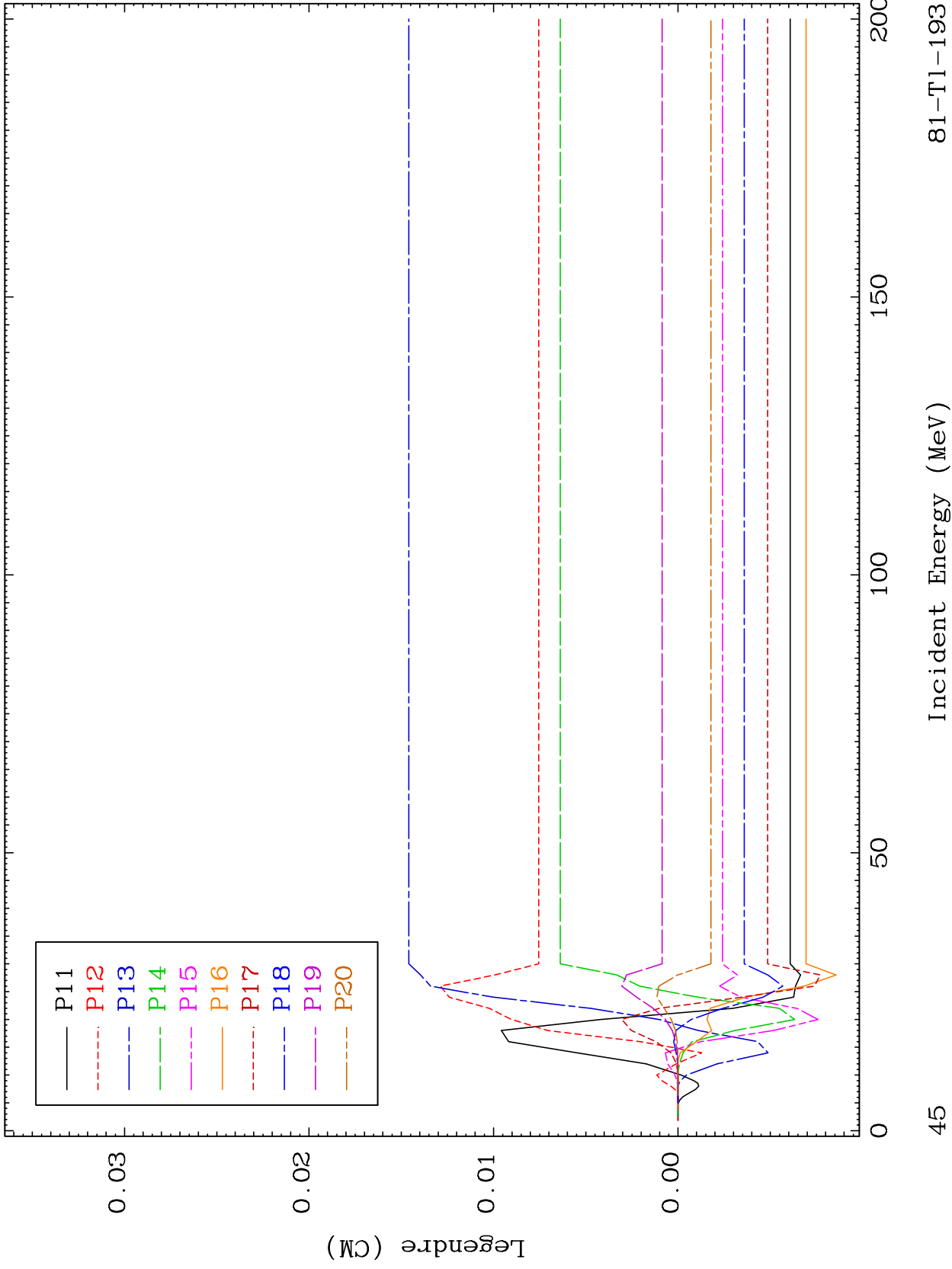
81-T1-193



MAT 8095

821.3 keV (n,n') Level  
Legendre Coefficients

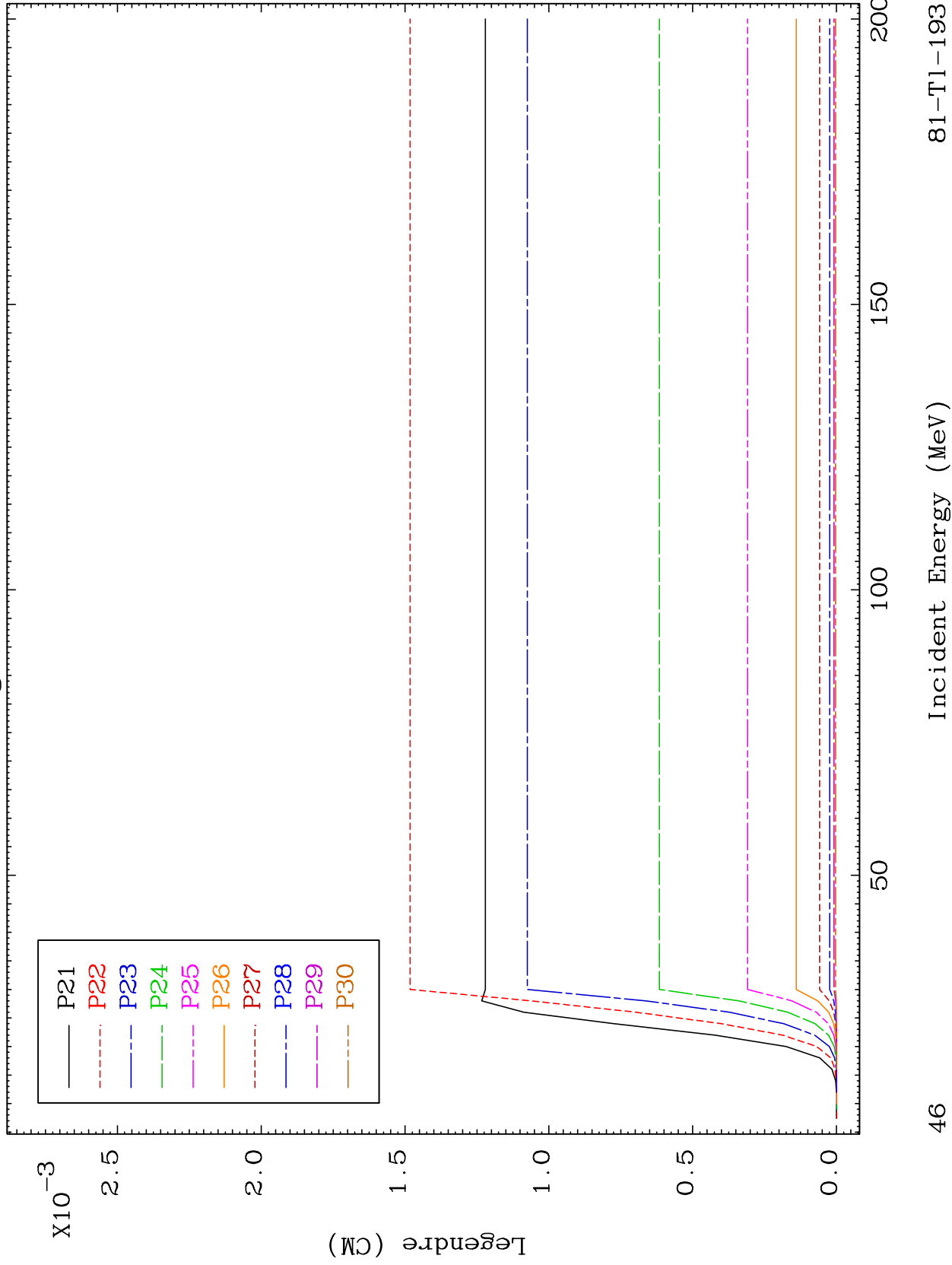
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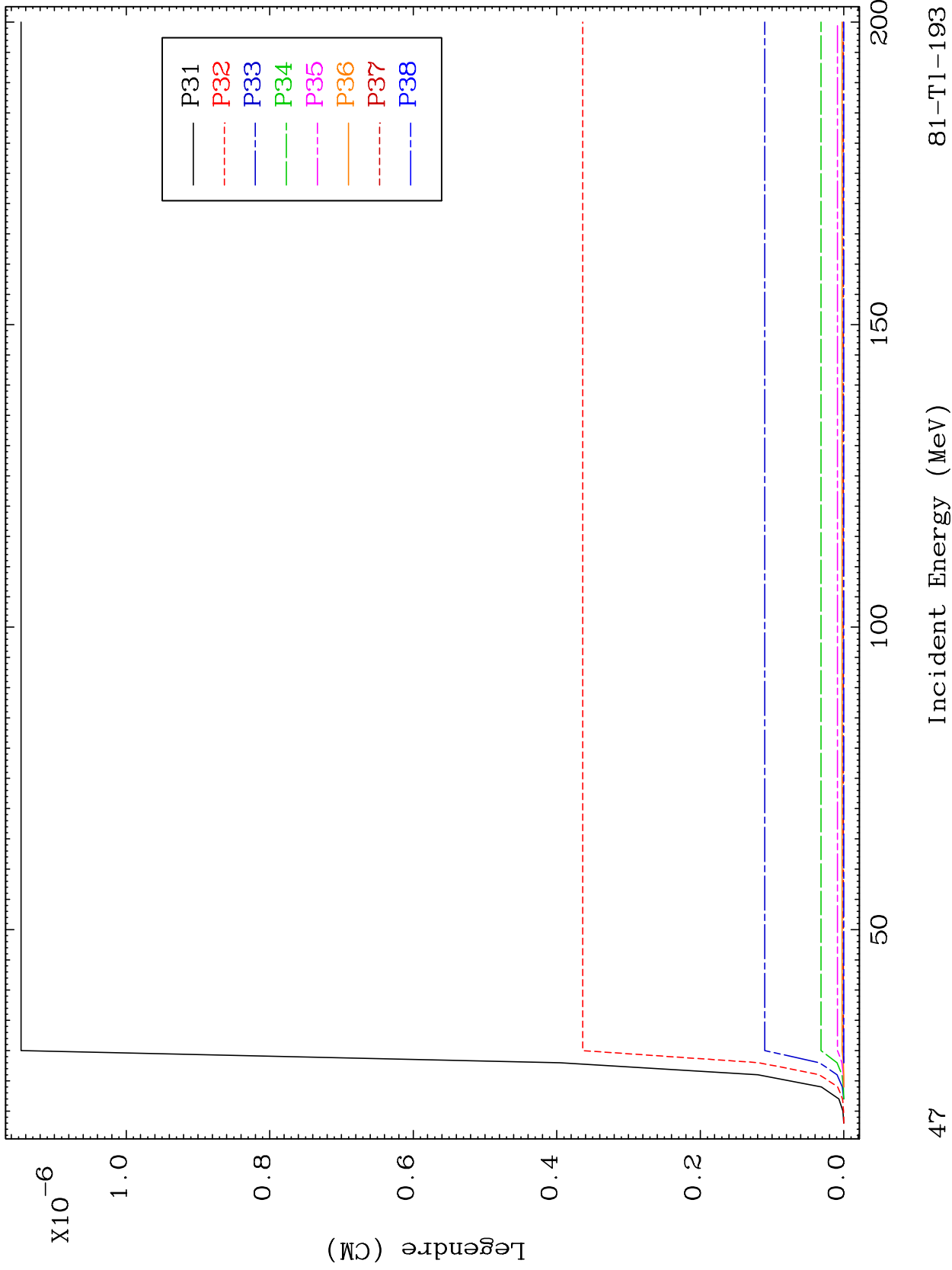


81-T1-193

Incident Energy (MeV)

45



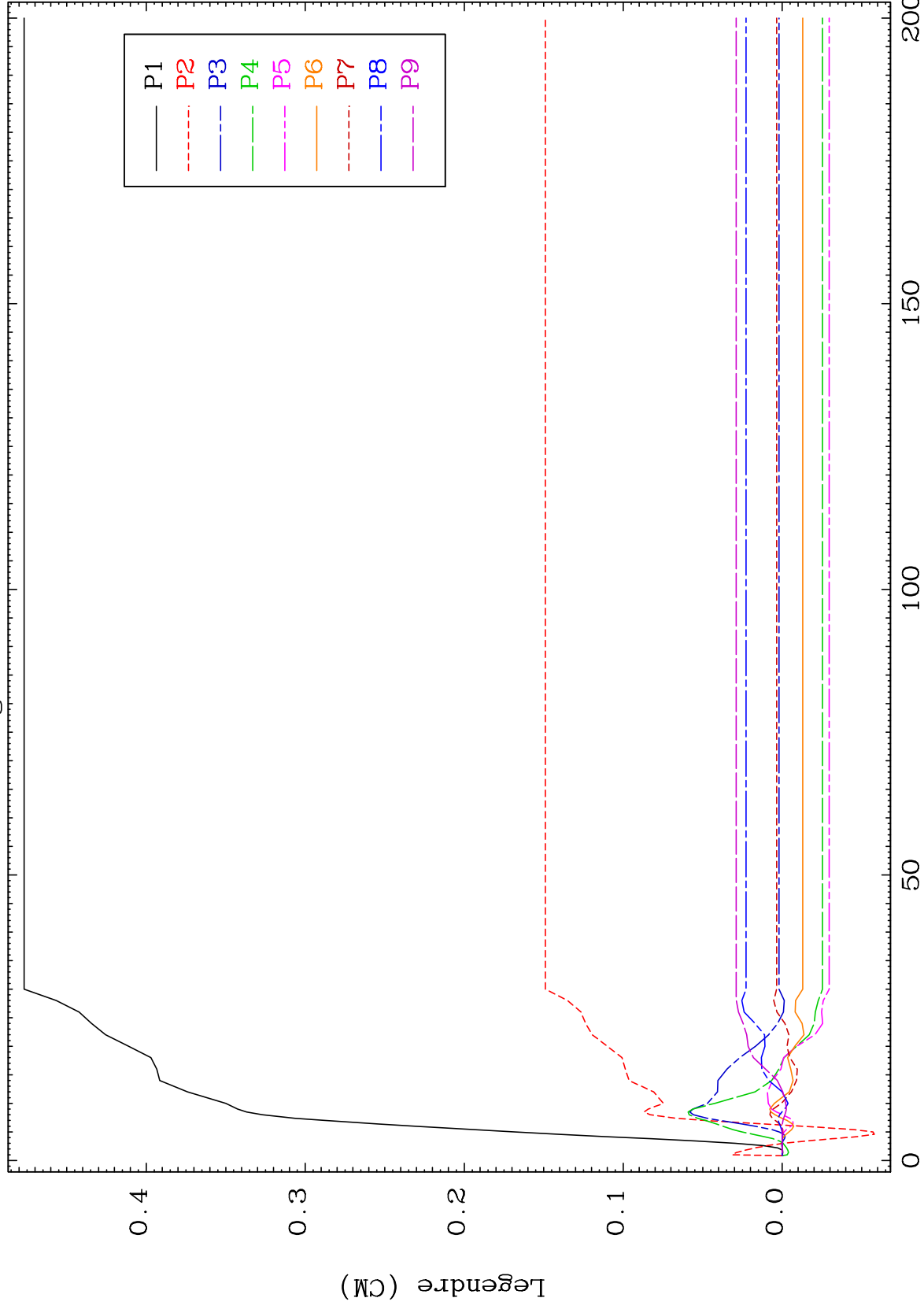




MAT 8095

823.1 keV (n,n') Level  
Legendre Coefficients

81-T1-193



48

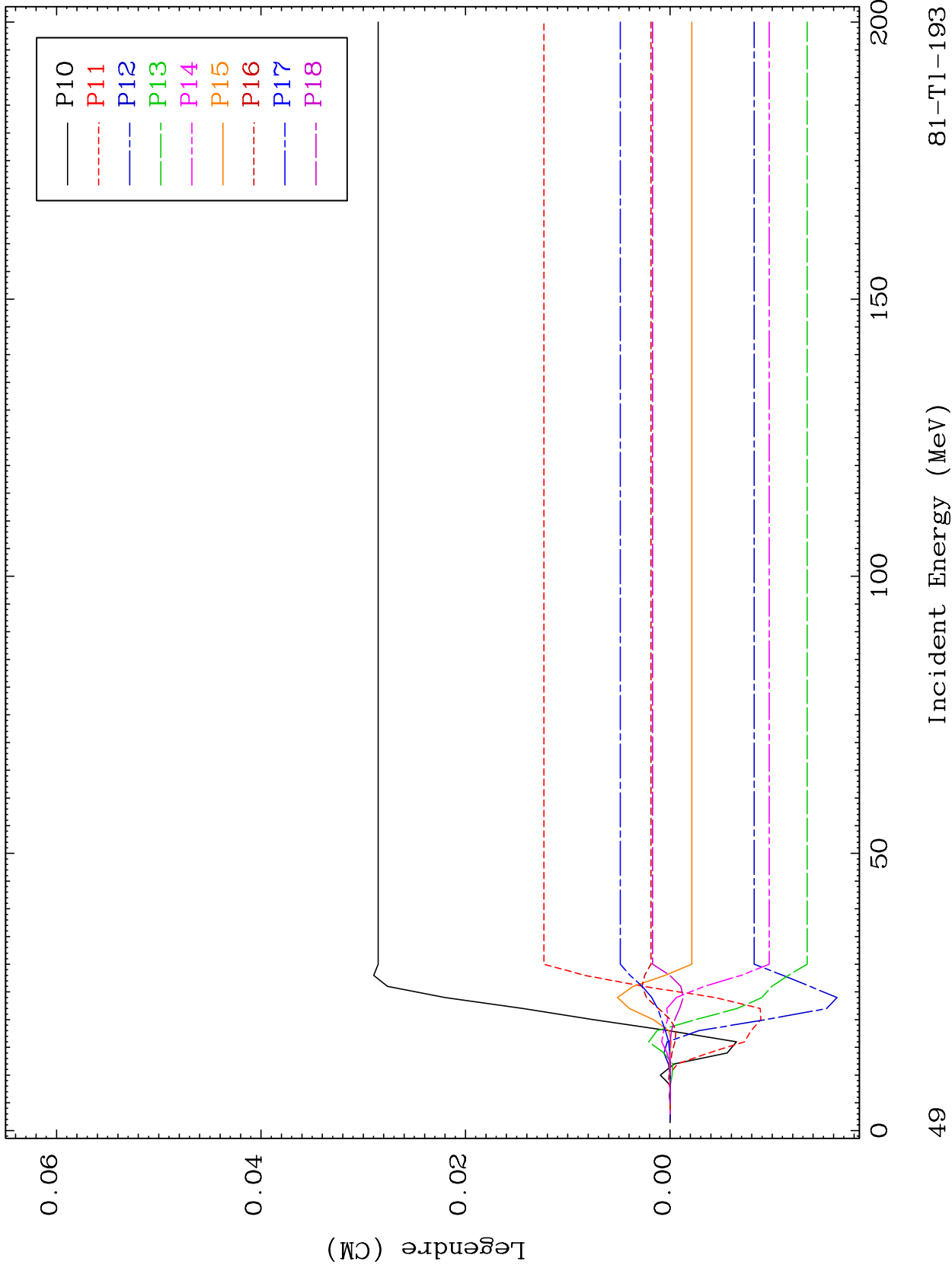
Incident Energy (MeV)

81-T1-193

MAT 8095

823.1 keV (n,n') Level  
Legendre Coefficients

81-T1-193



49

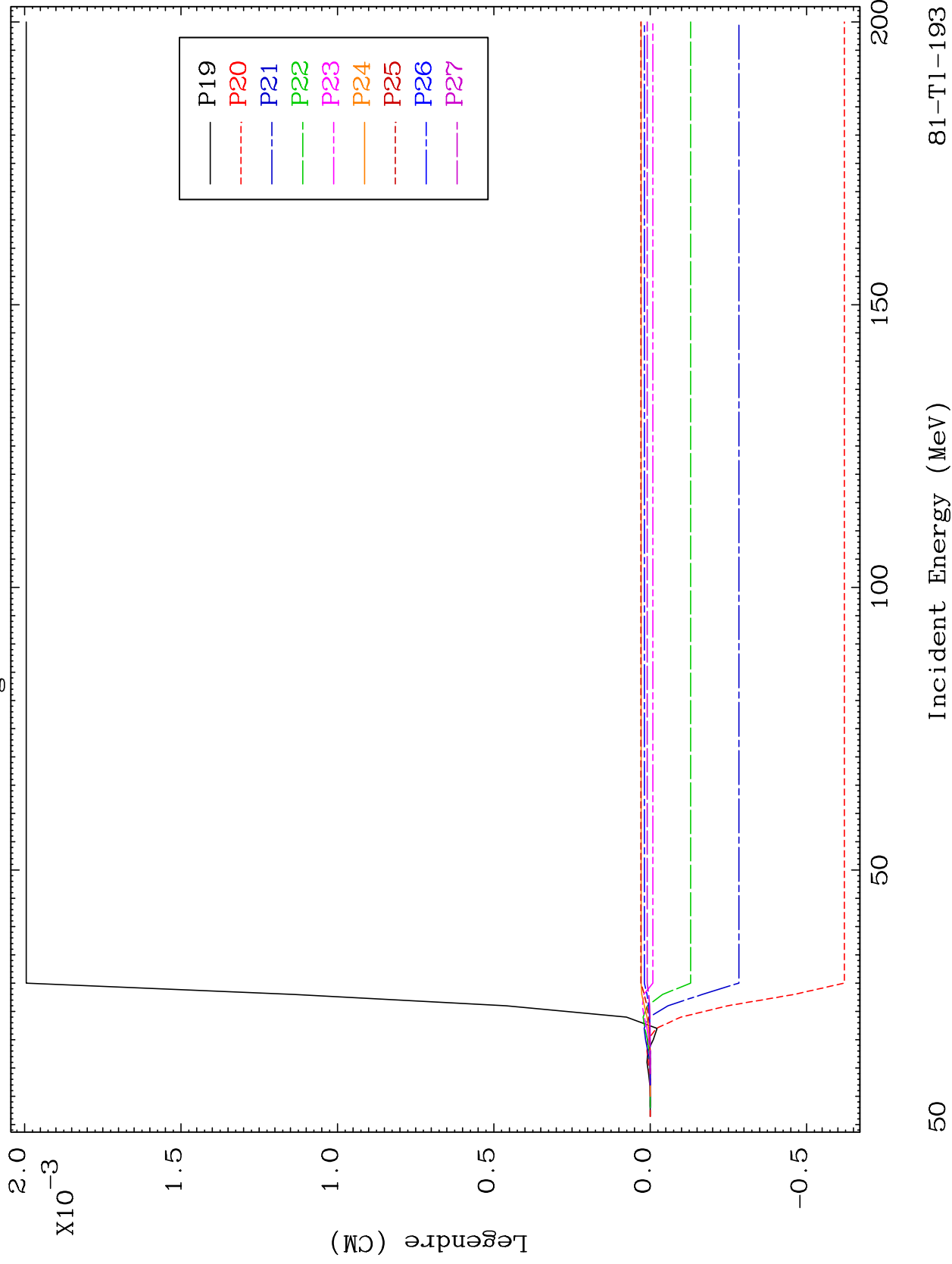
Incident Energy (MeV)

81-T1-193

MAT 8095

823.1 keV (n,n') Level  
Legendre Coefficients

81-Tl-193



81-Tl-193

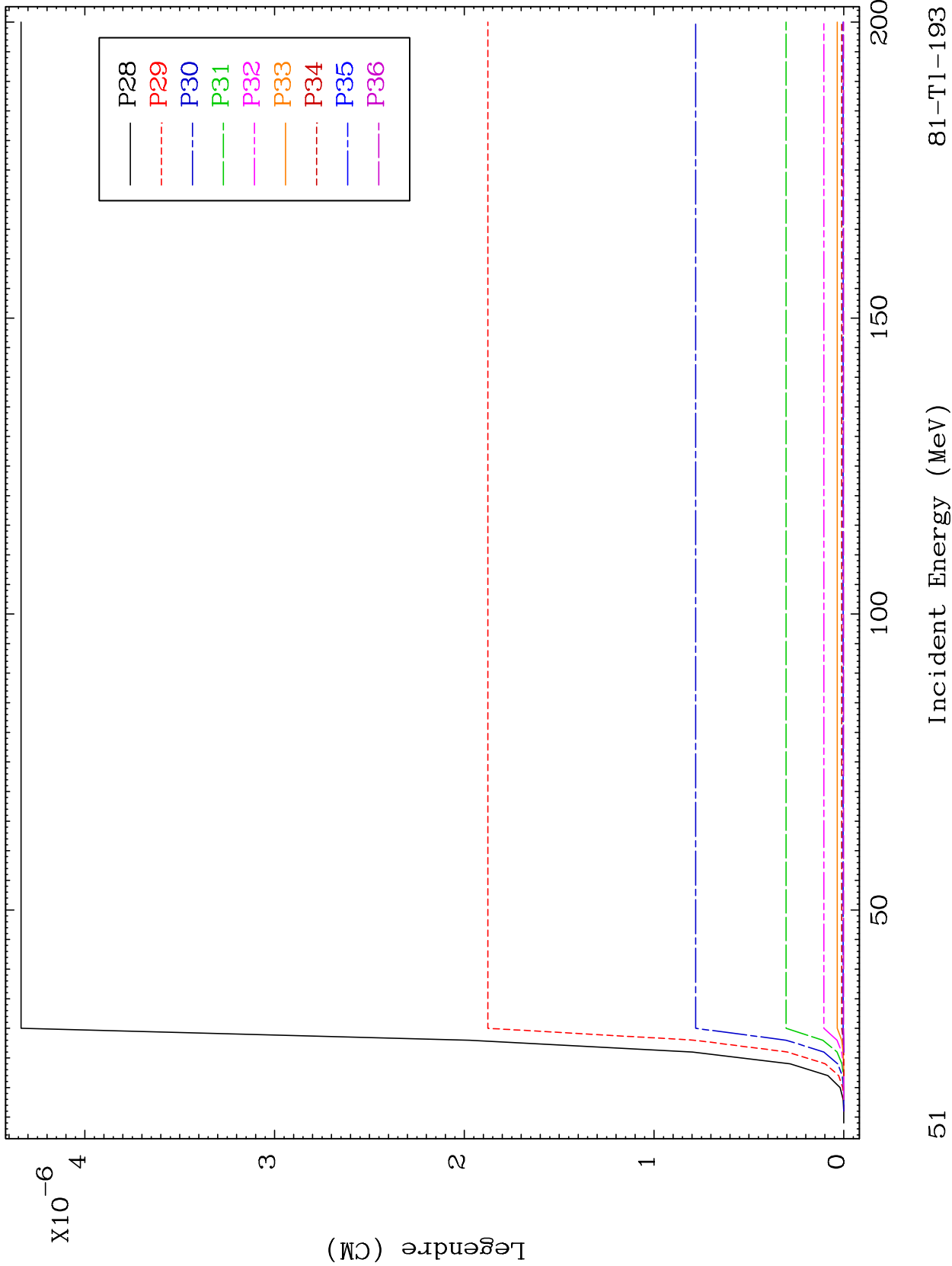
Incident Energy (MeV)

50

MAT 8095

823.1 keV (n,n') Level  
Legendre Coefficients

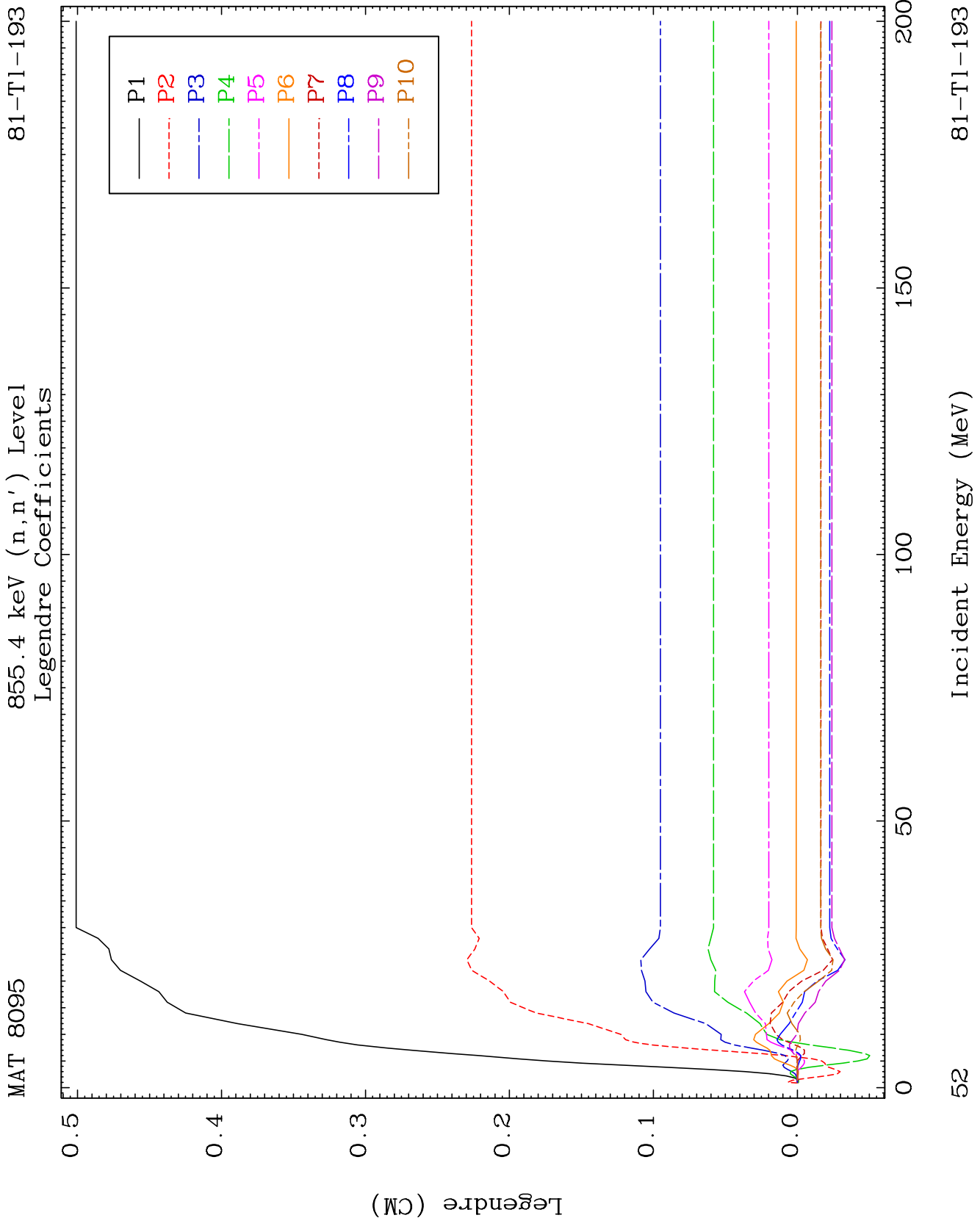
81-T1-193



51

Incident Energy (MeV)

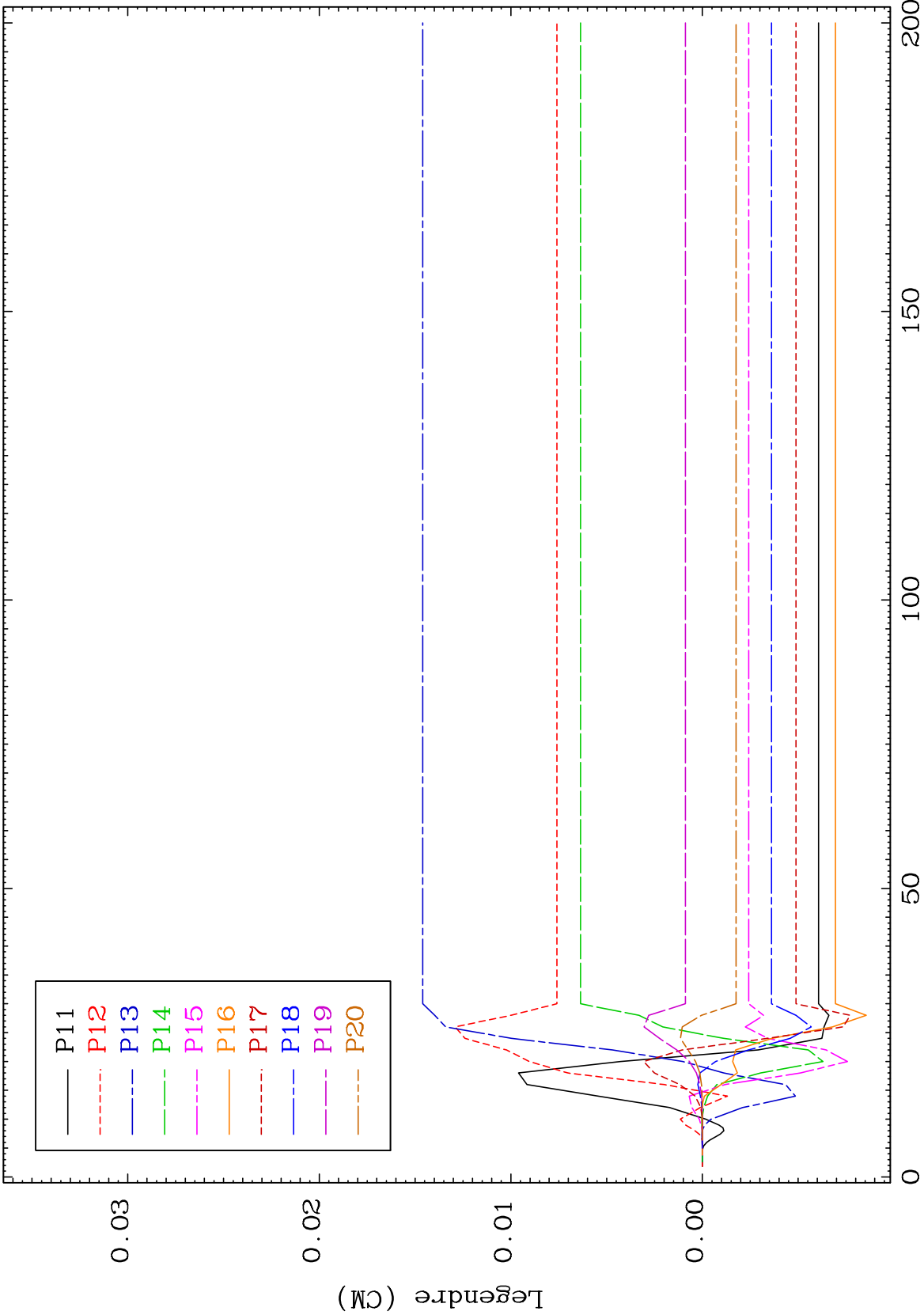
81-T1-193



MAT 8095

855.4 keV (n,n') Level  
Legendre Coefficients

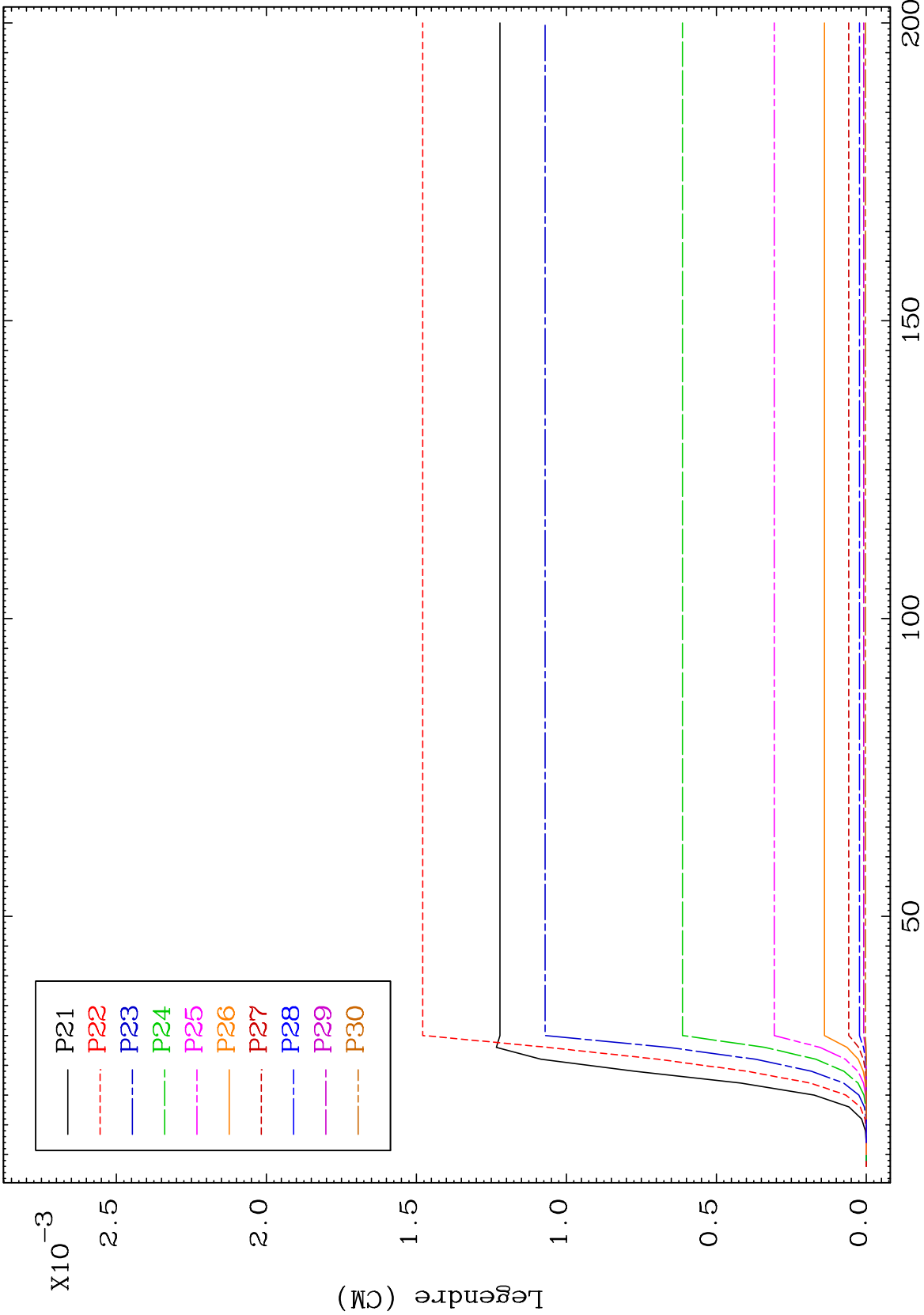
81-T1-193



53

Incident Energy (MeV)

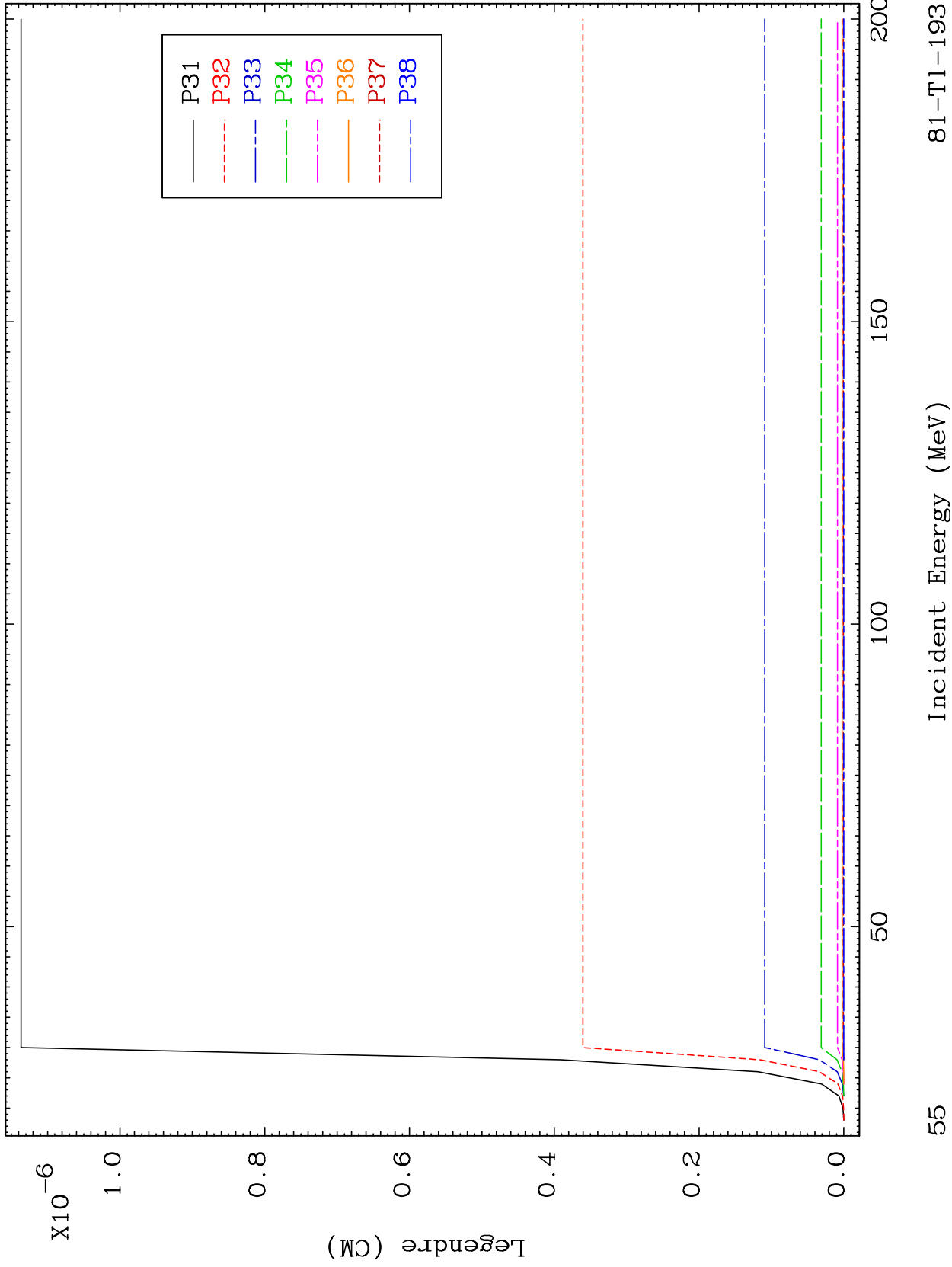
81-T1-193



MAT 8095

855.4 keV (n,n') Level  
Legendre Coefficients

81-T1-193

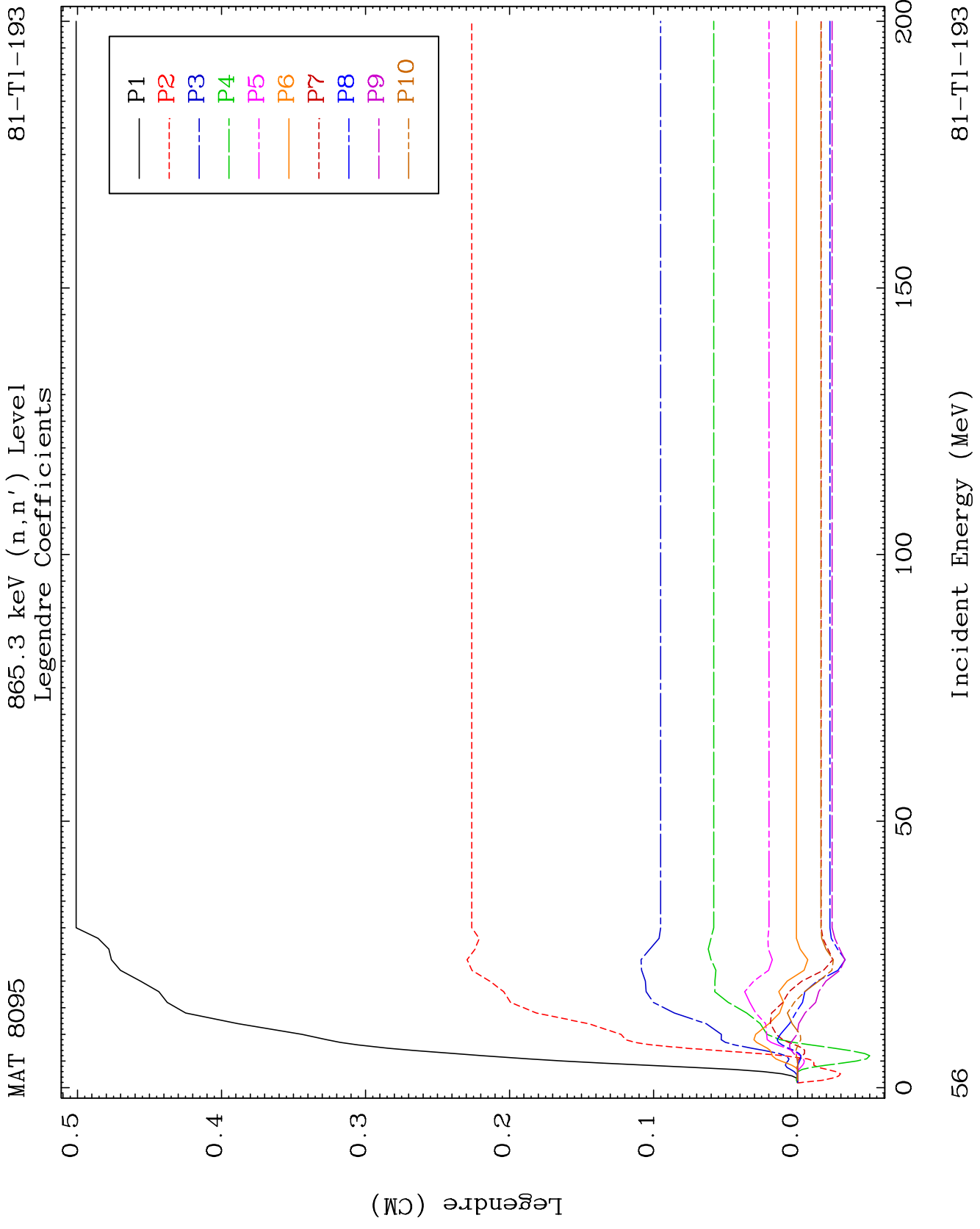


55

Incident Energy (MeV)

81-T1-193

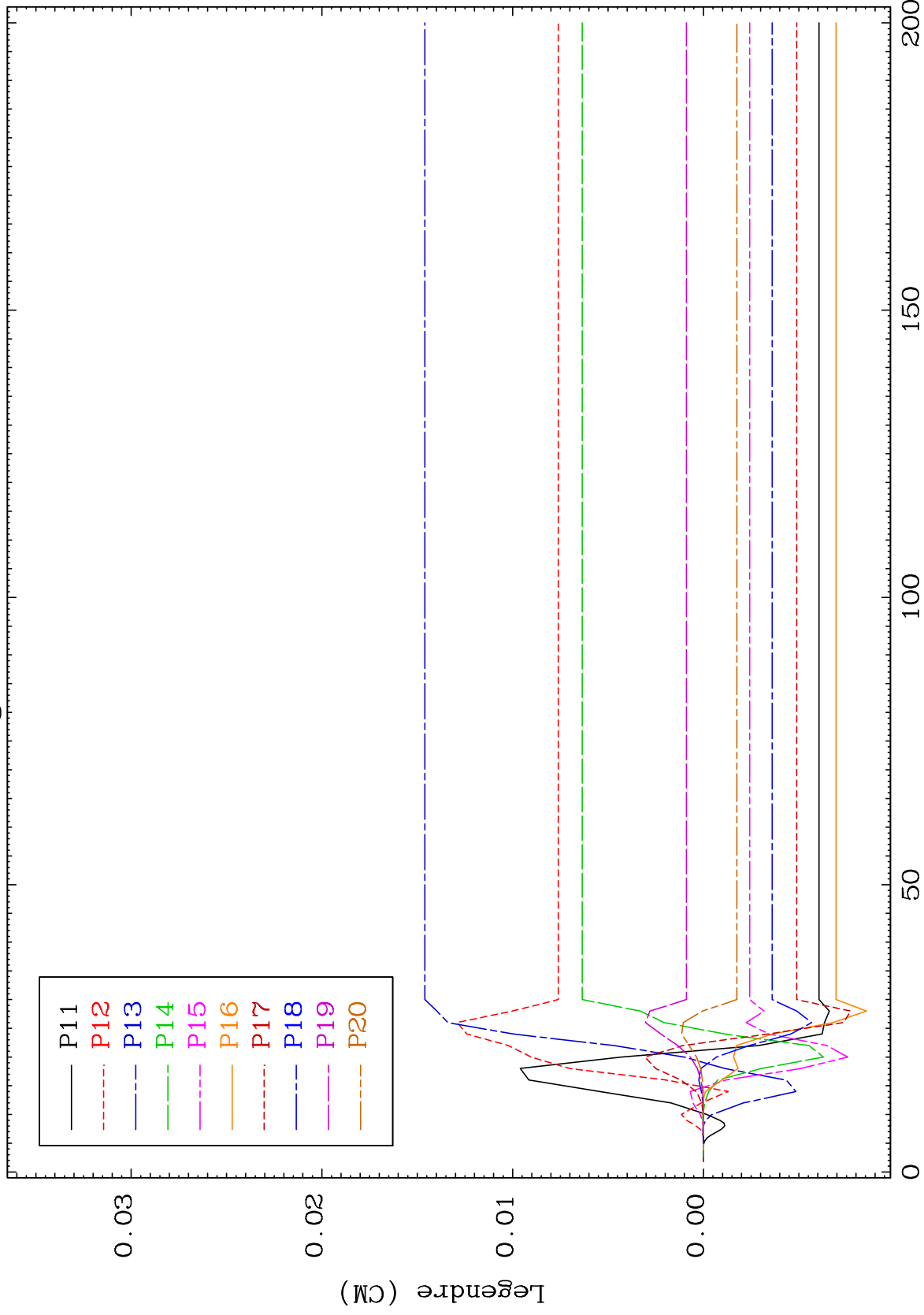




MAT 8095

865.3 keV (n,n') Level  
Legendre Coefficients

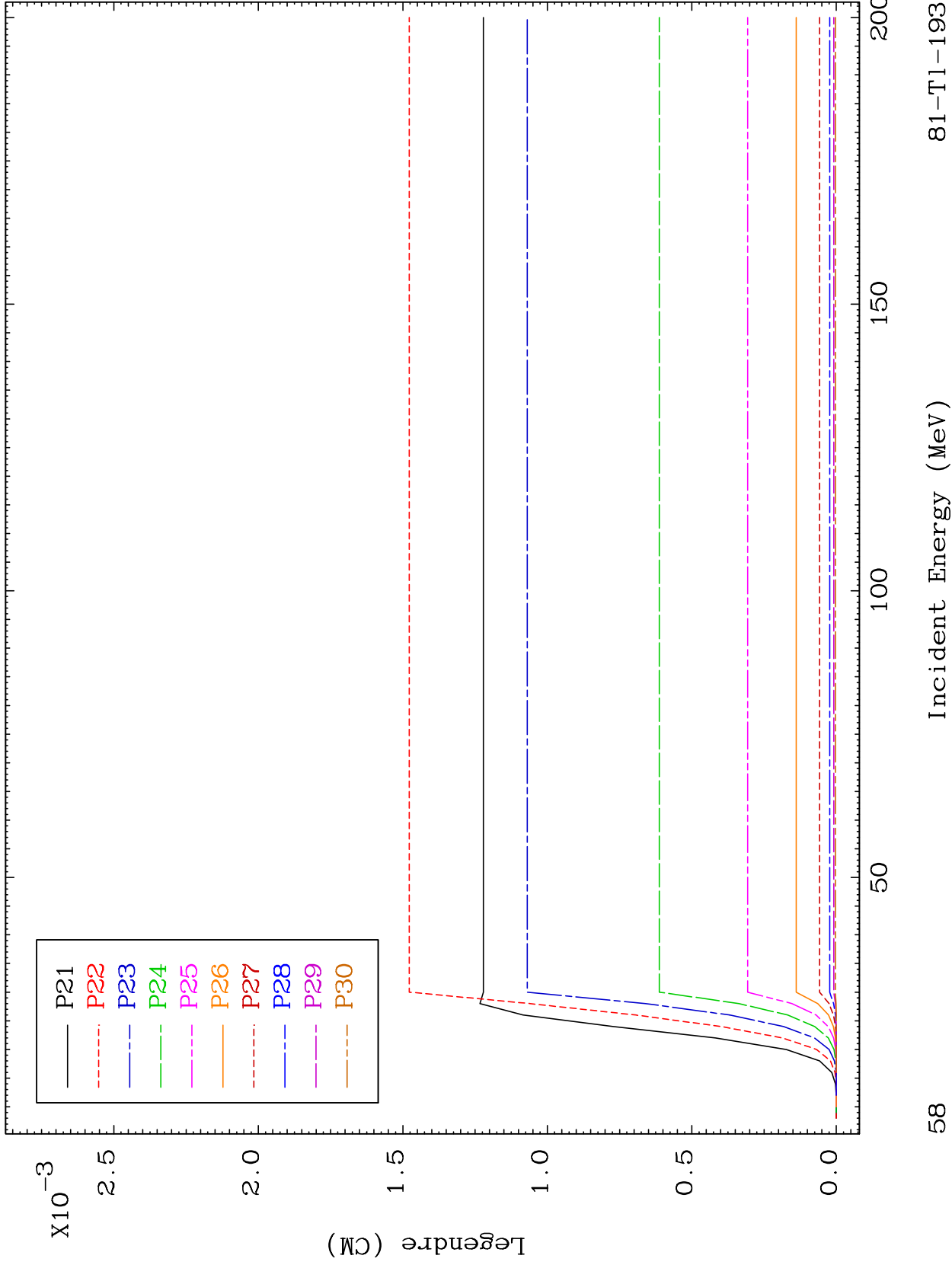
81-T1-193



57

Incident Energy (MeV)

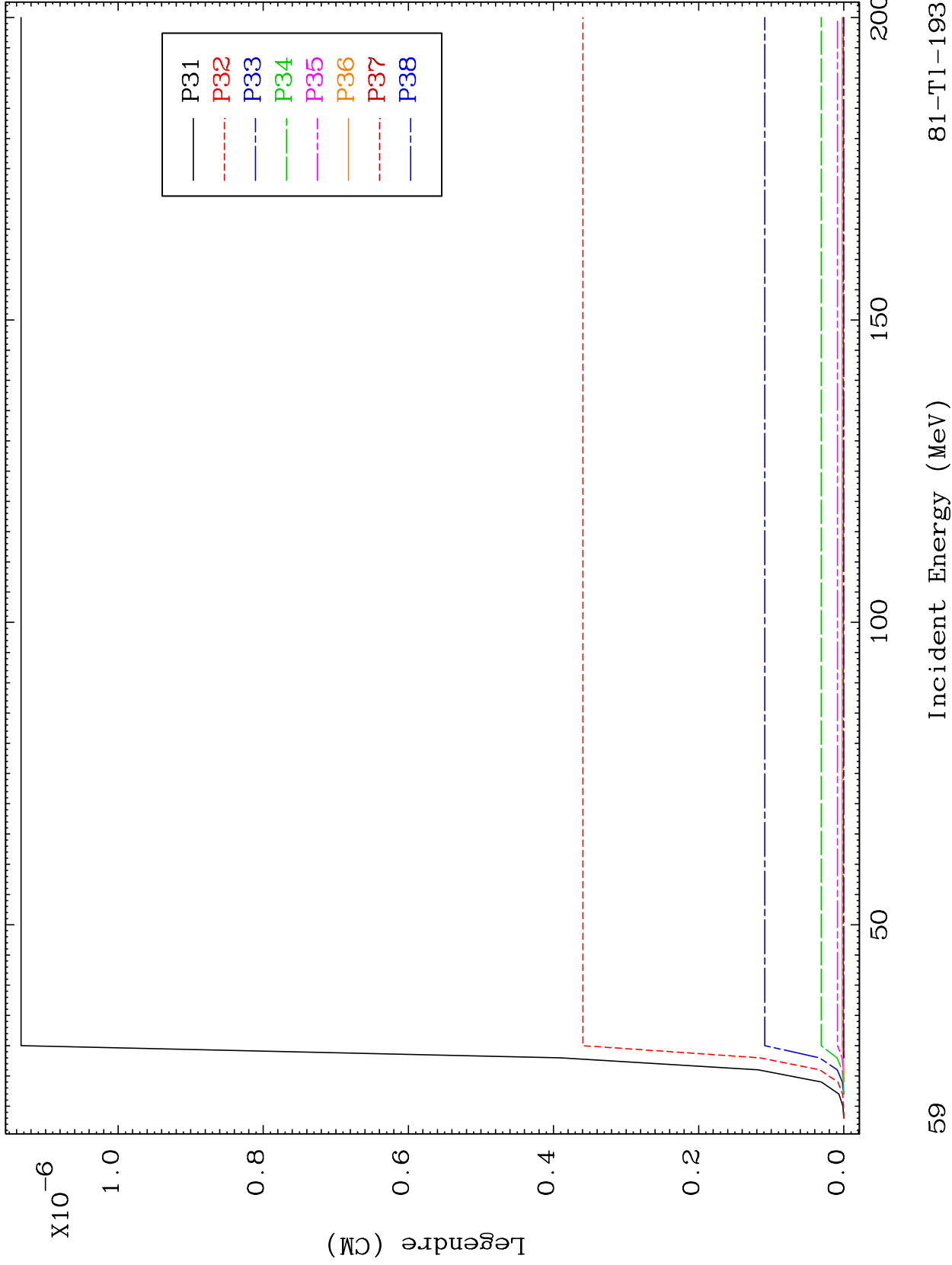
81-T1-193



MAT 8095

865.3 keV (n,n') Level  
Legendre Coefficients

81-T1-193

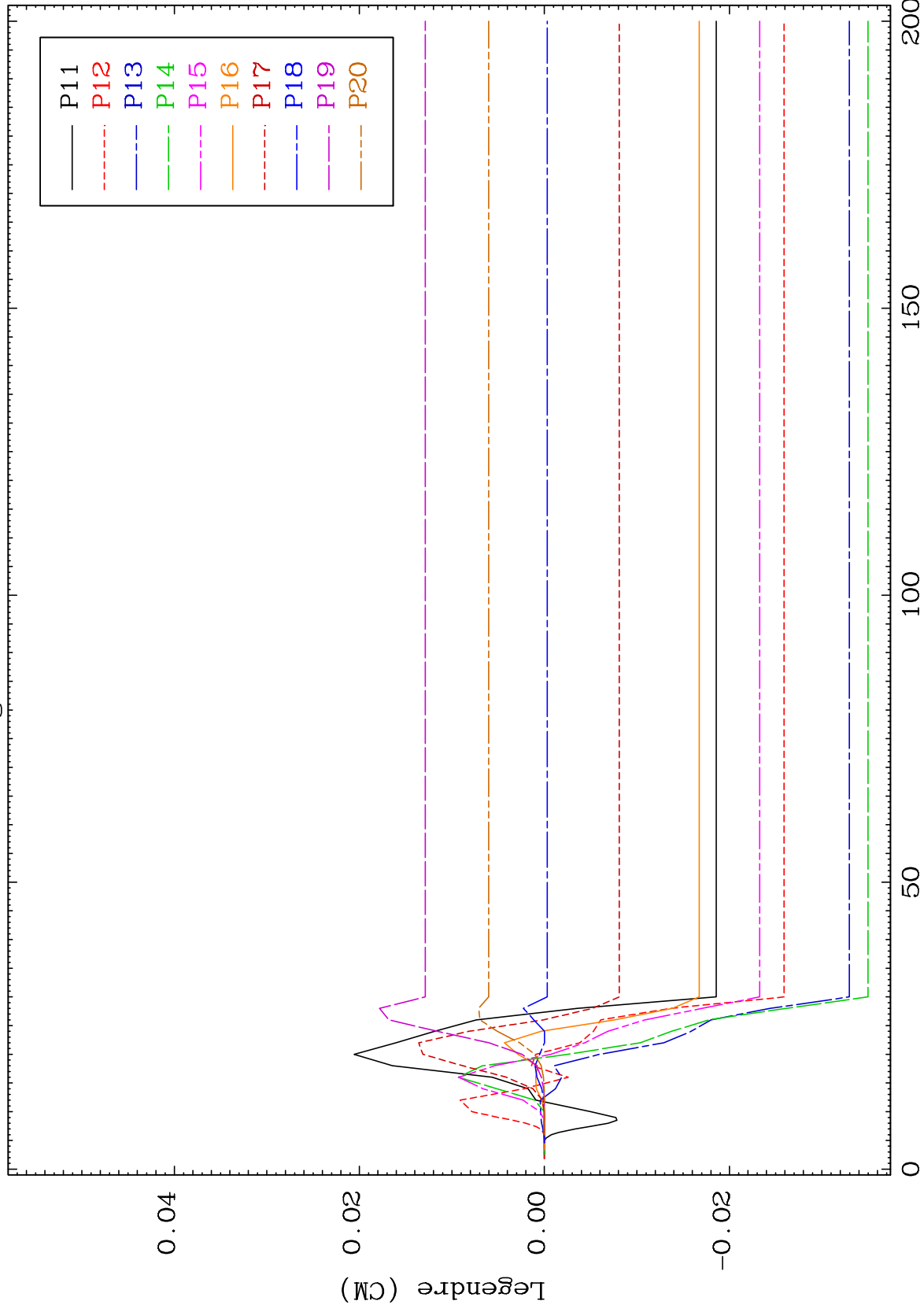




MAT 8095

881.6 keV (n,n') Level  
Legendre Coefficients

81-T1-193



61

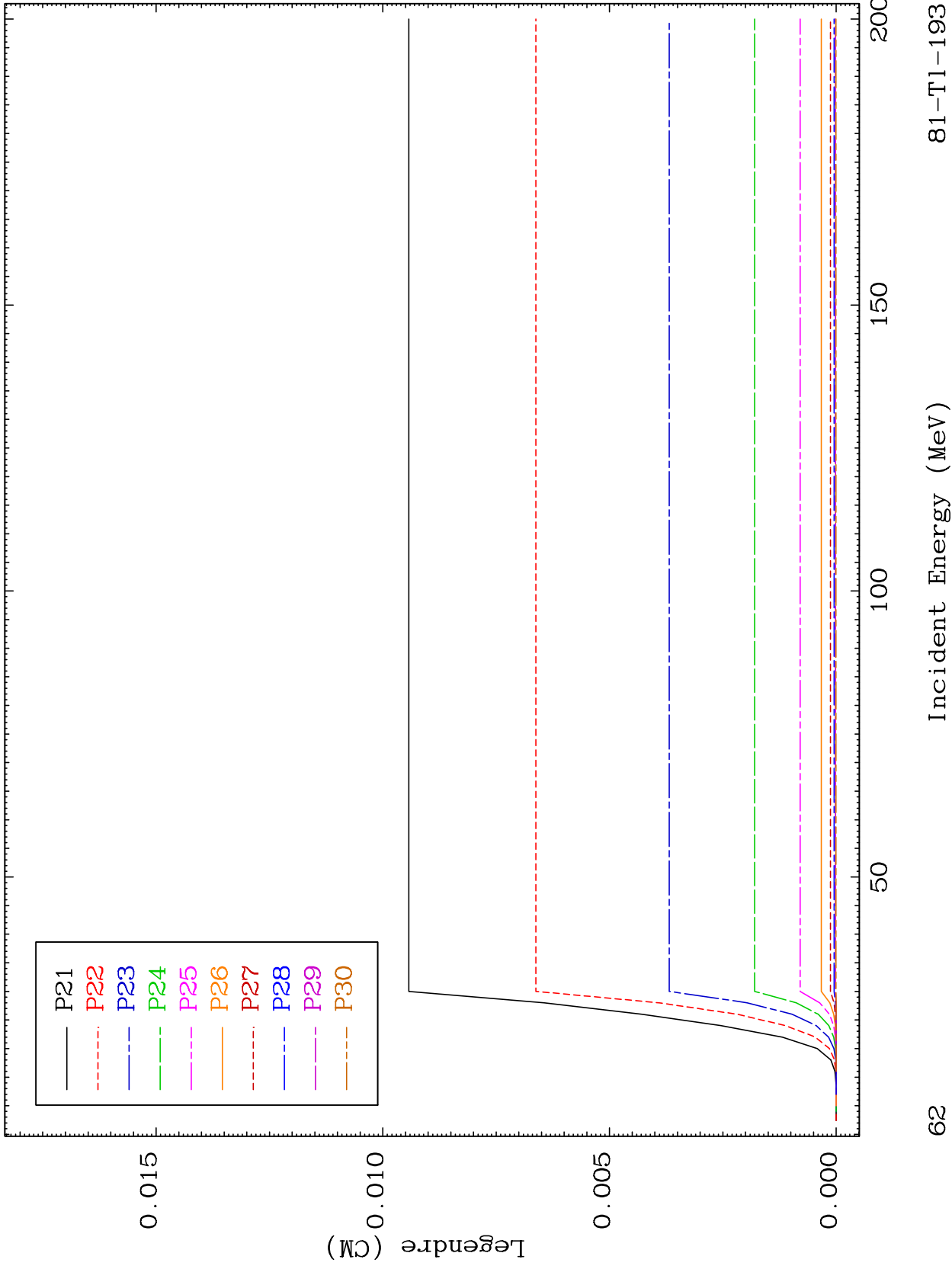
Incident Energy (MeV)

81-T1-193

MAT 8095

881.6 keV (n,n') Level  
Legendre Coefficients

81-Tl-193



62

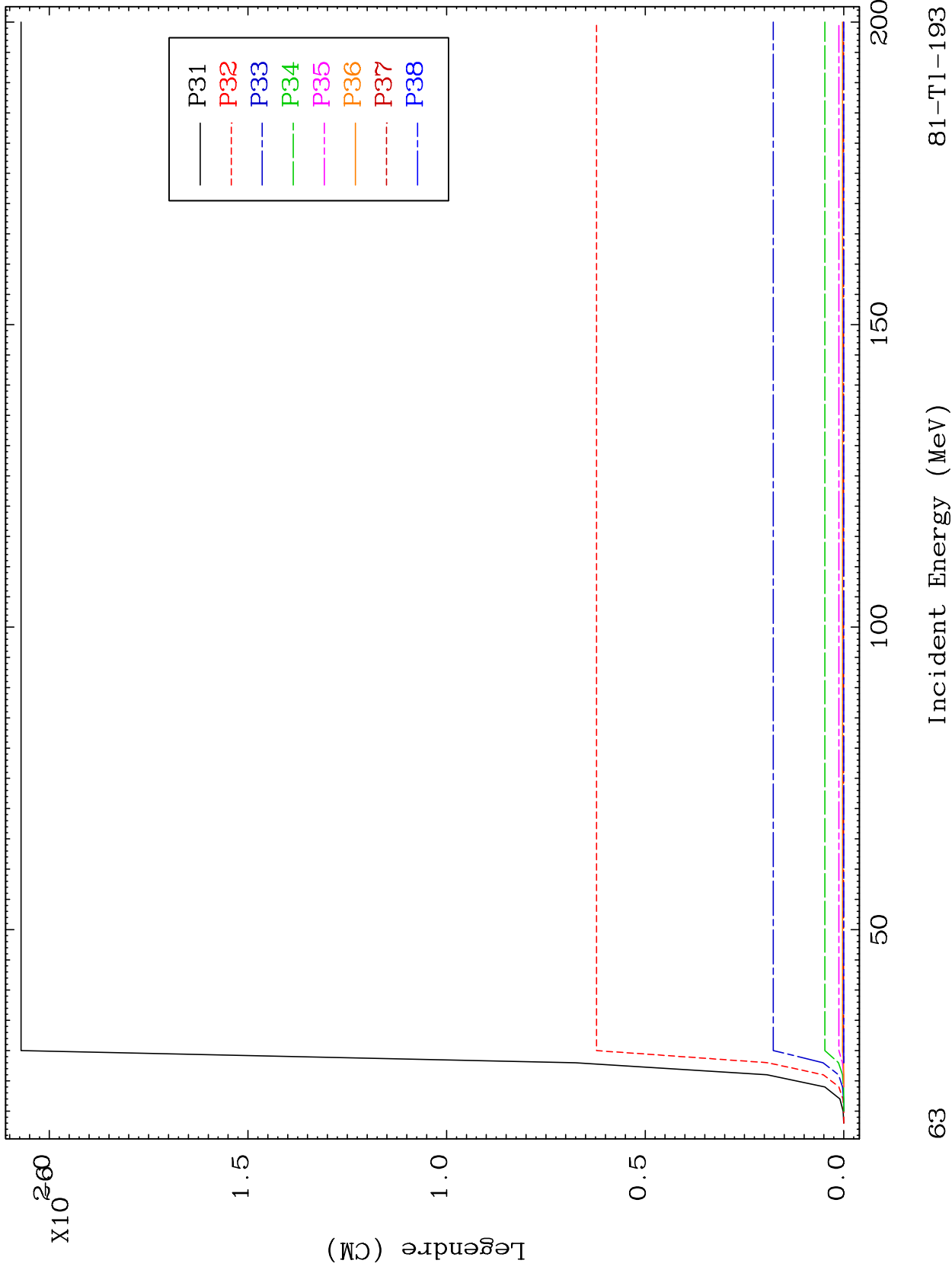
Incident Energy (MeV)

81-Tl-193

MAT 8095

881.6 keV (n,n') Level  
Legendre Coefficients

81-T1-193



63

Incident Energy (MeV)

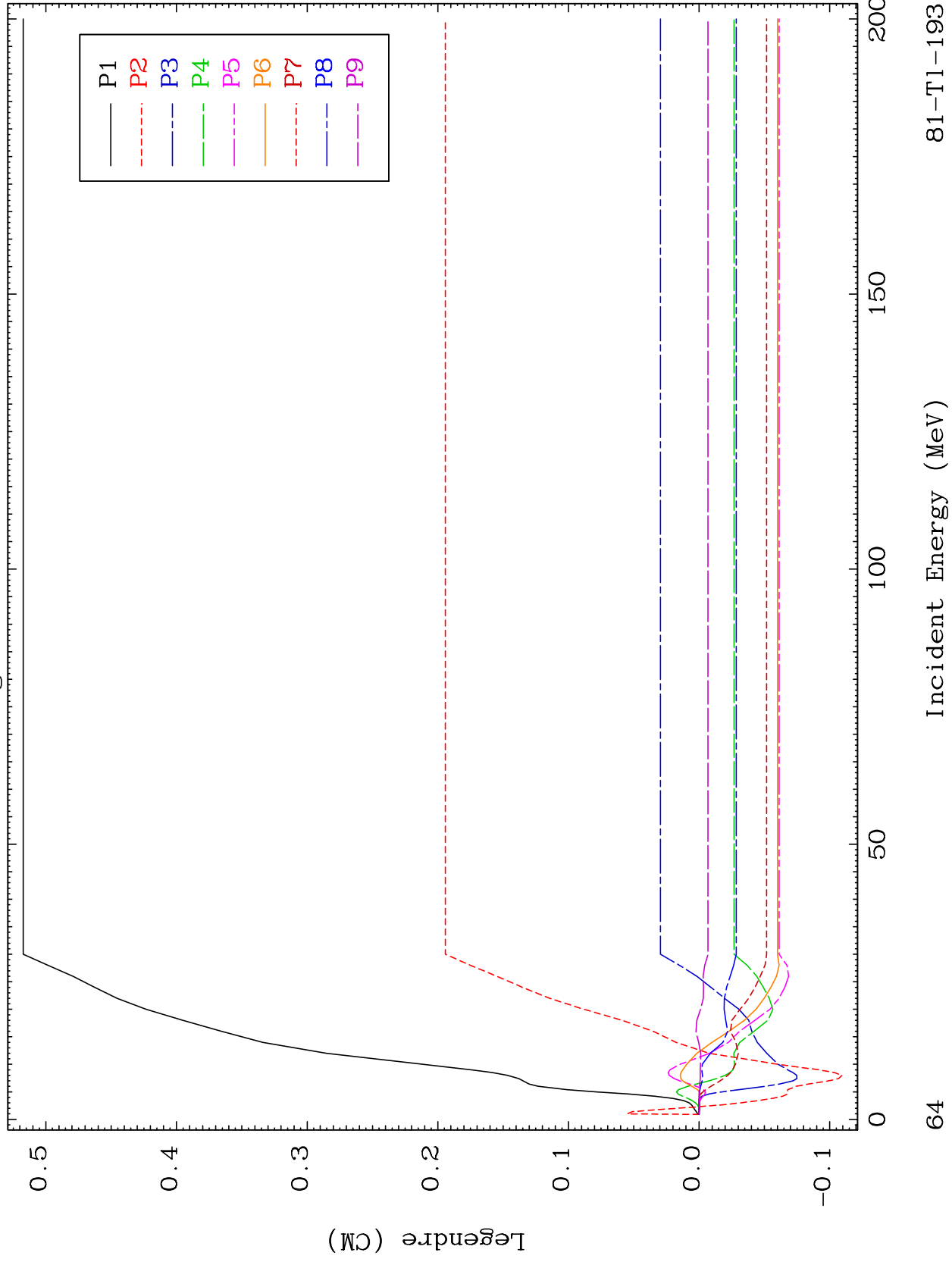
81-T1-193



MAT 8095

887.3 keV (n,n') Level  
Legendre Coefficients

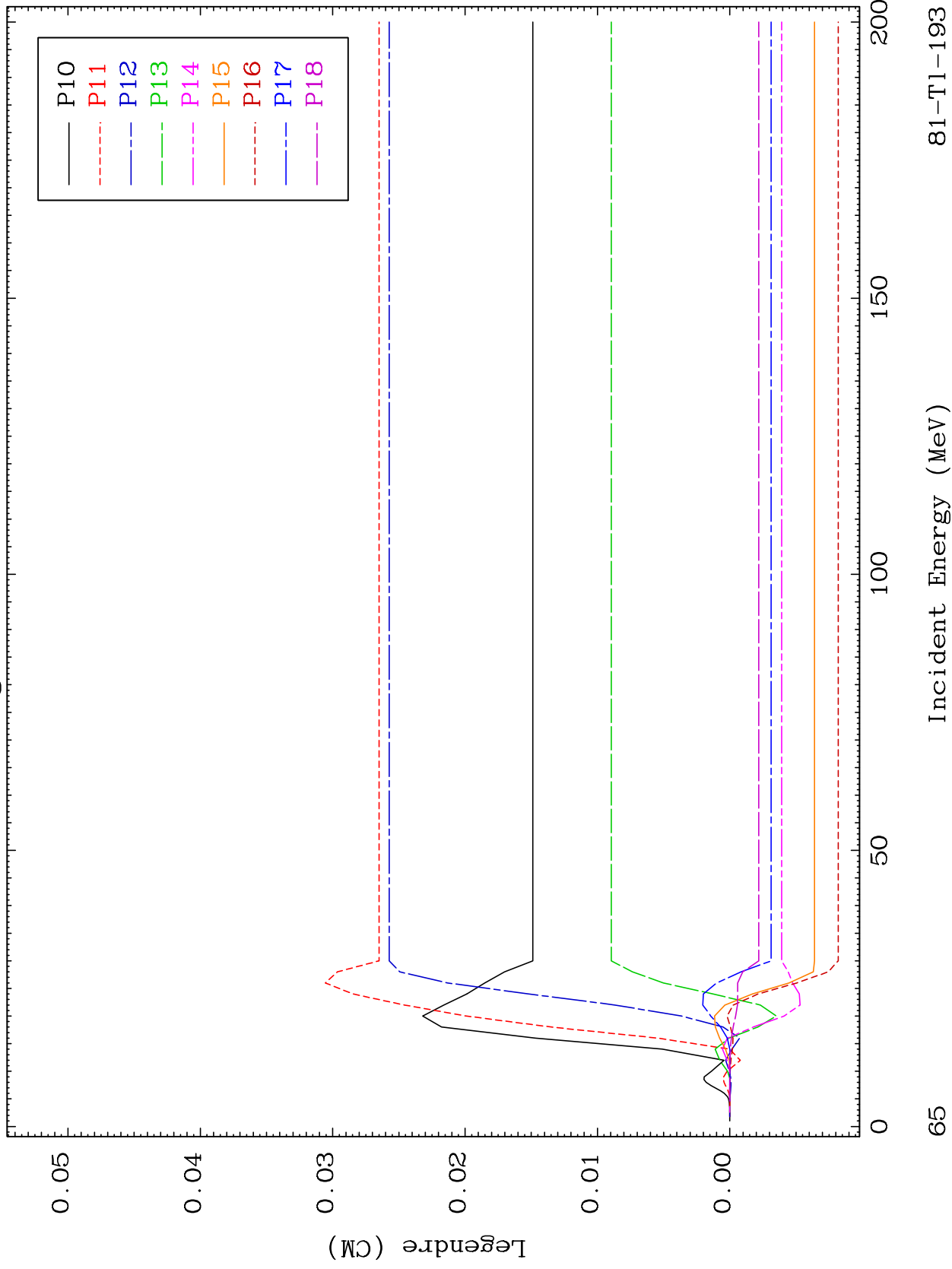
81-T1-193



MAT 8095

887.3 keV (n,n') Level  
Legendre Coefficients

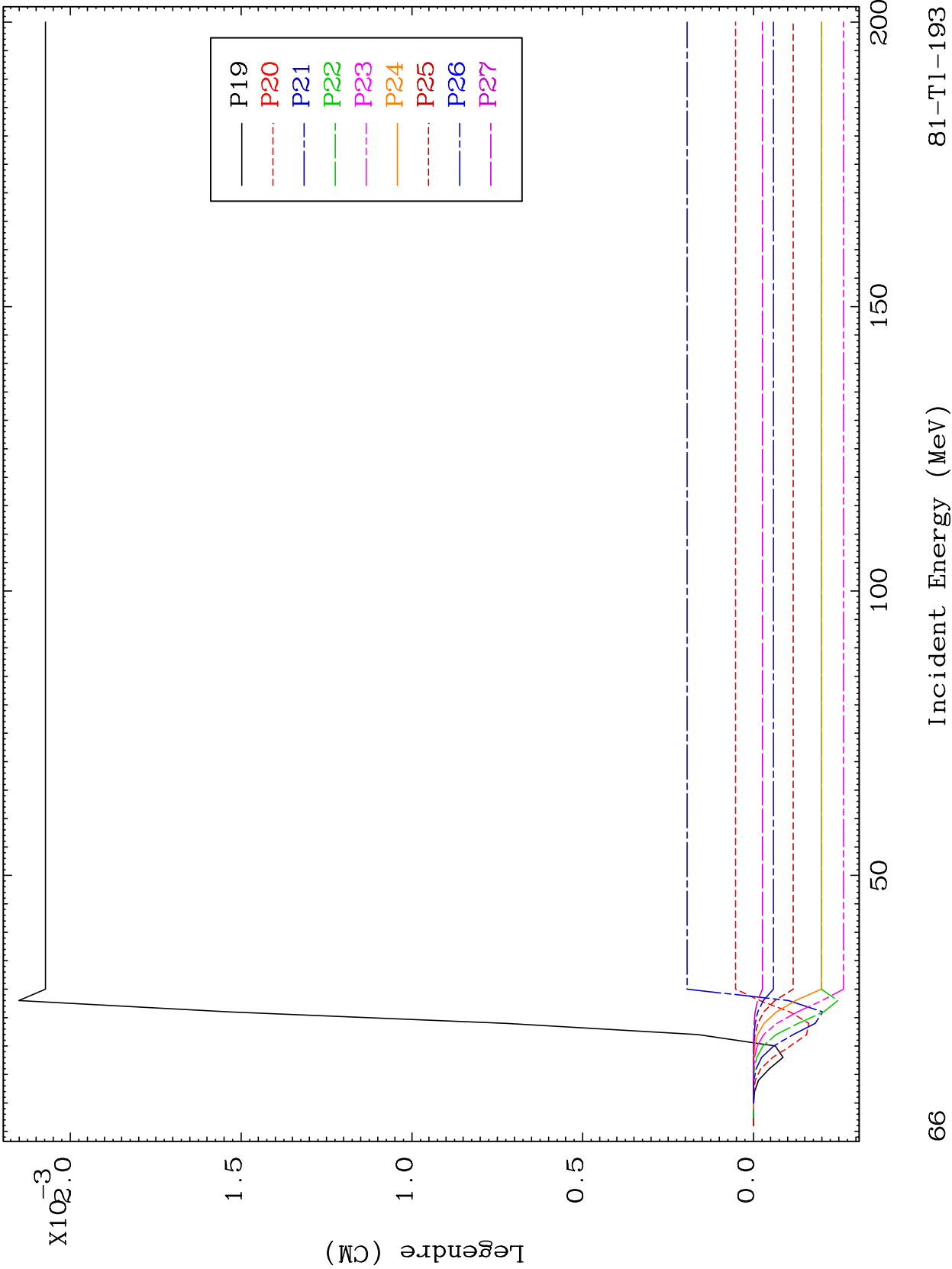
81-T1-193

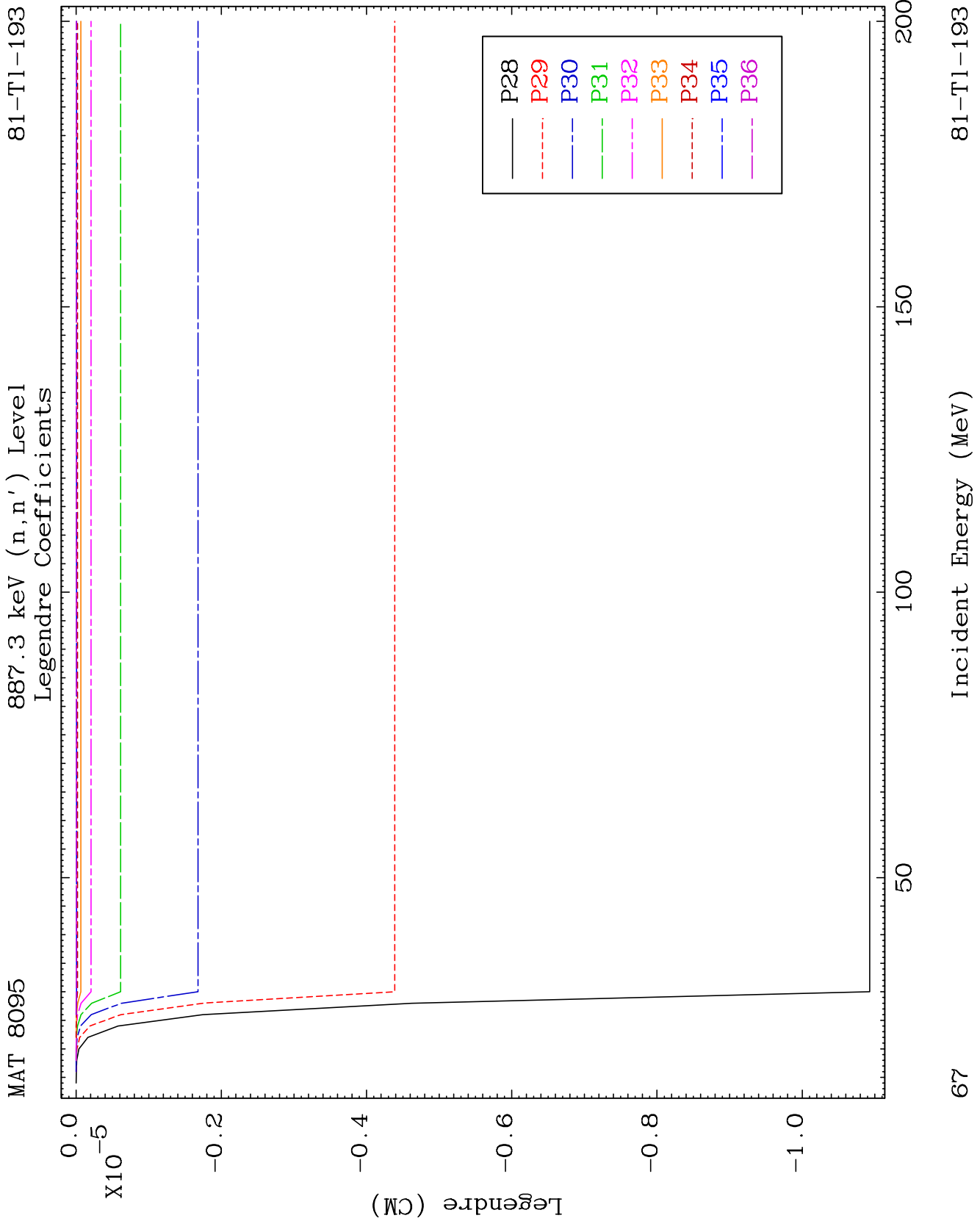


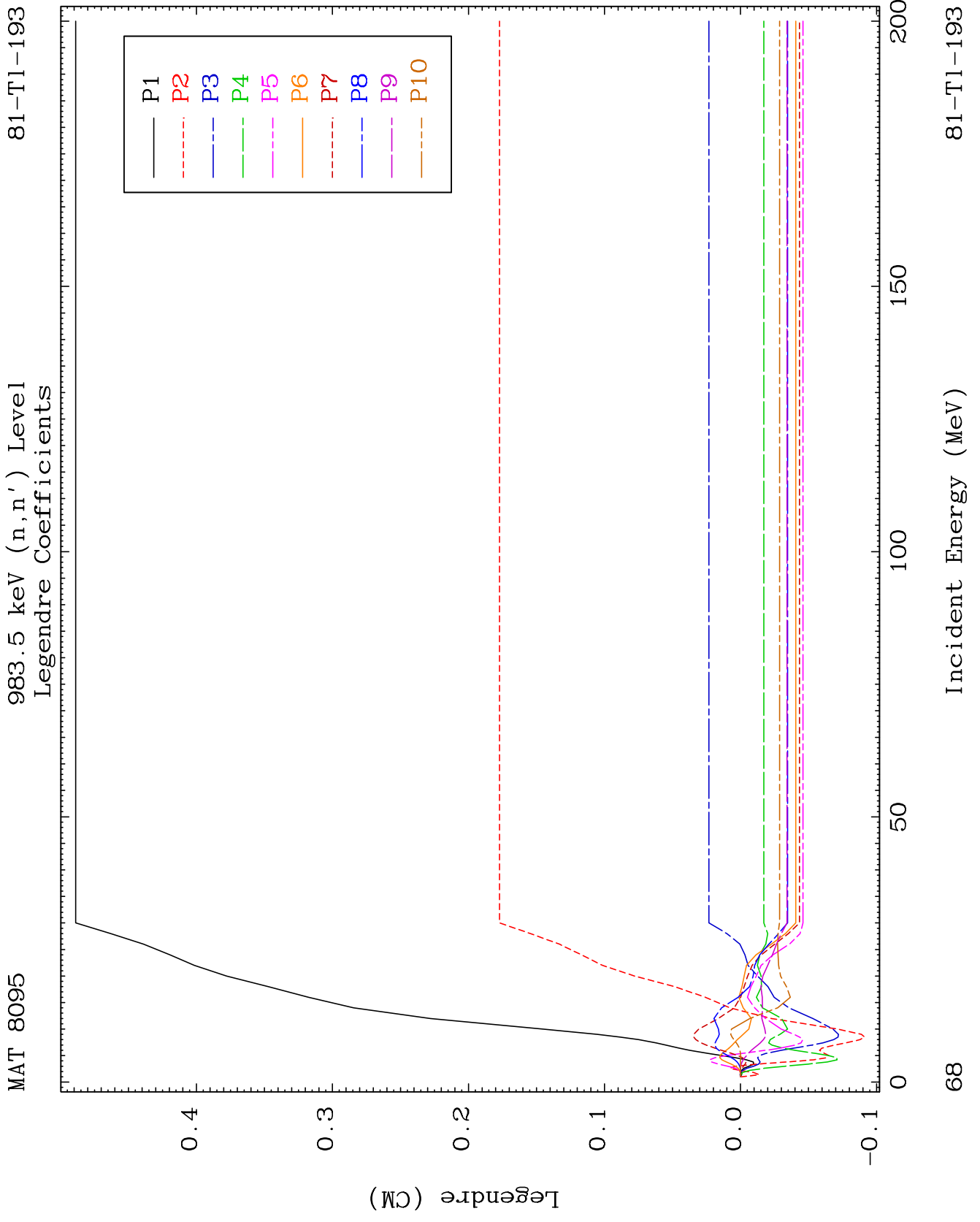
81-T1-193

Incident Energy (MeV)

65



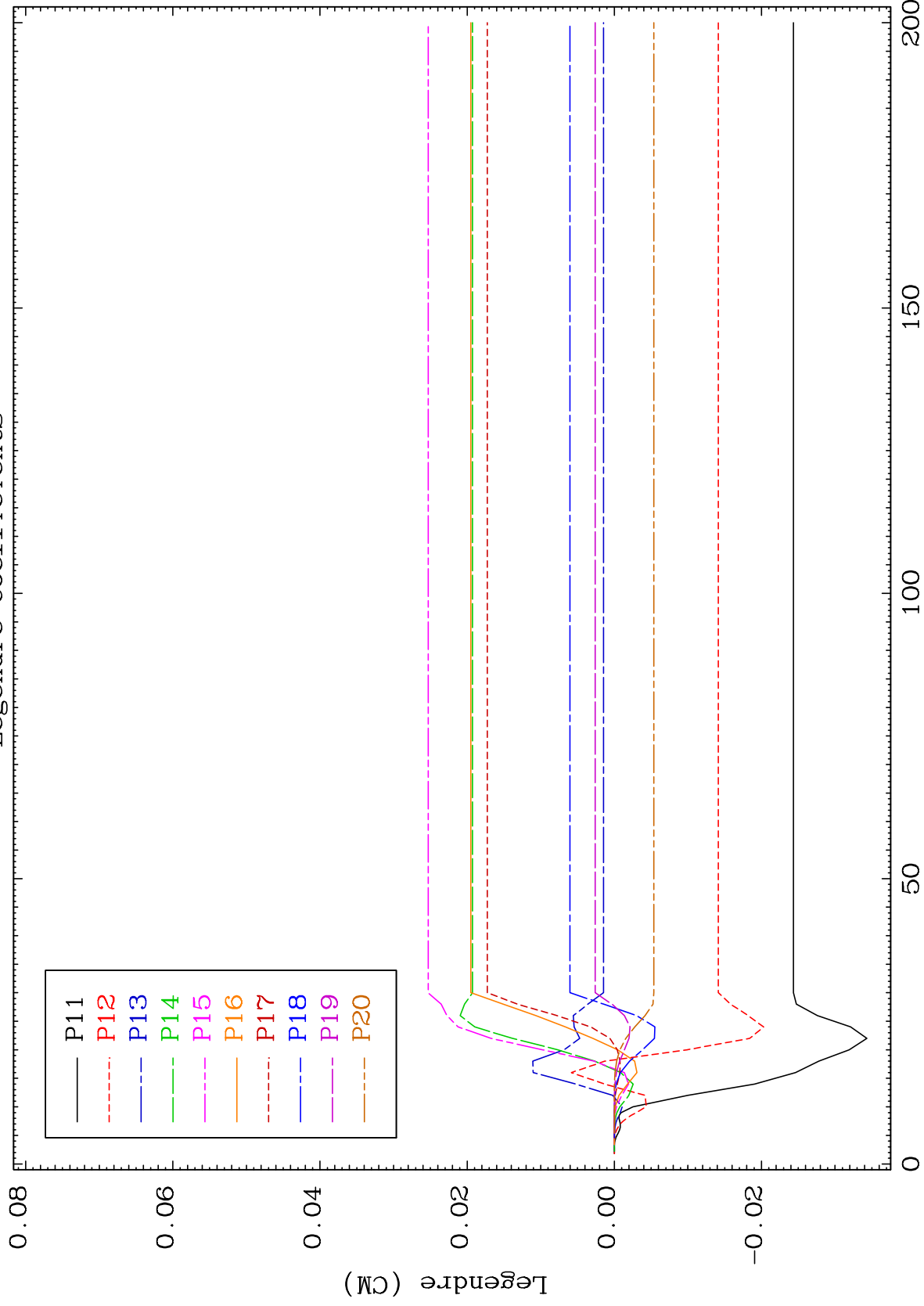




MAT 8095

983.5 keV (n,n') Level  
Legendre Coefficients

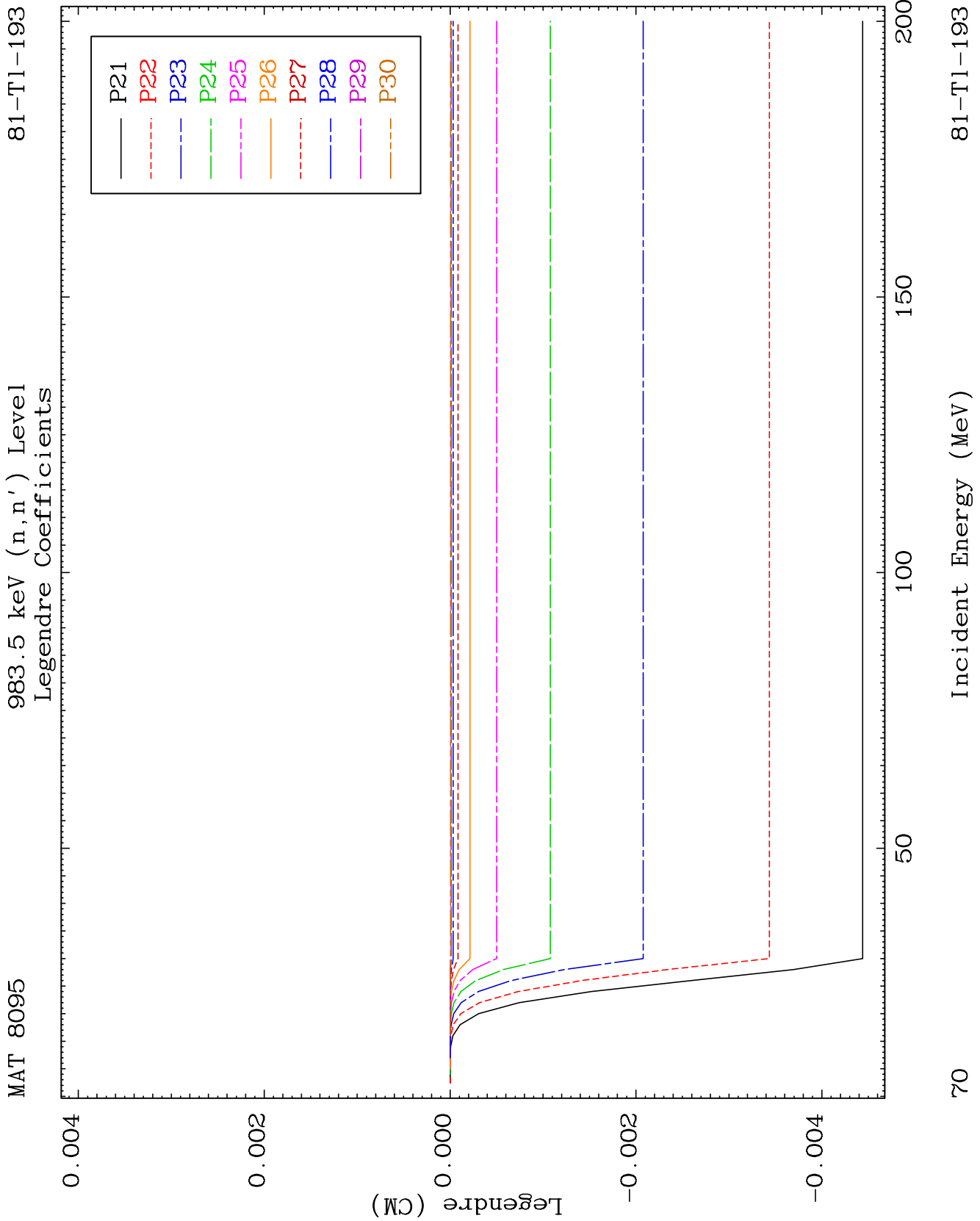
81-T1-193

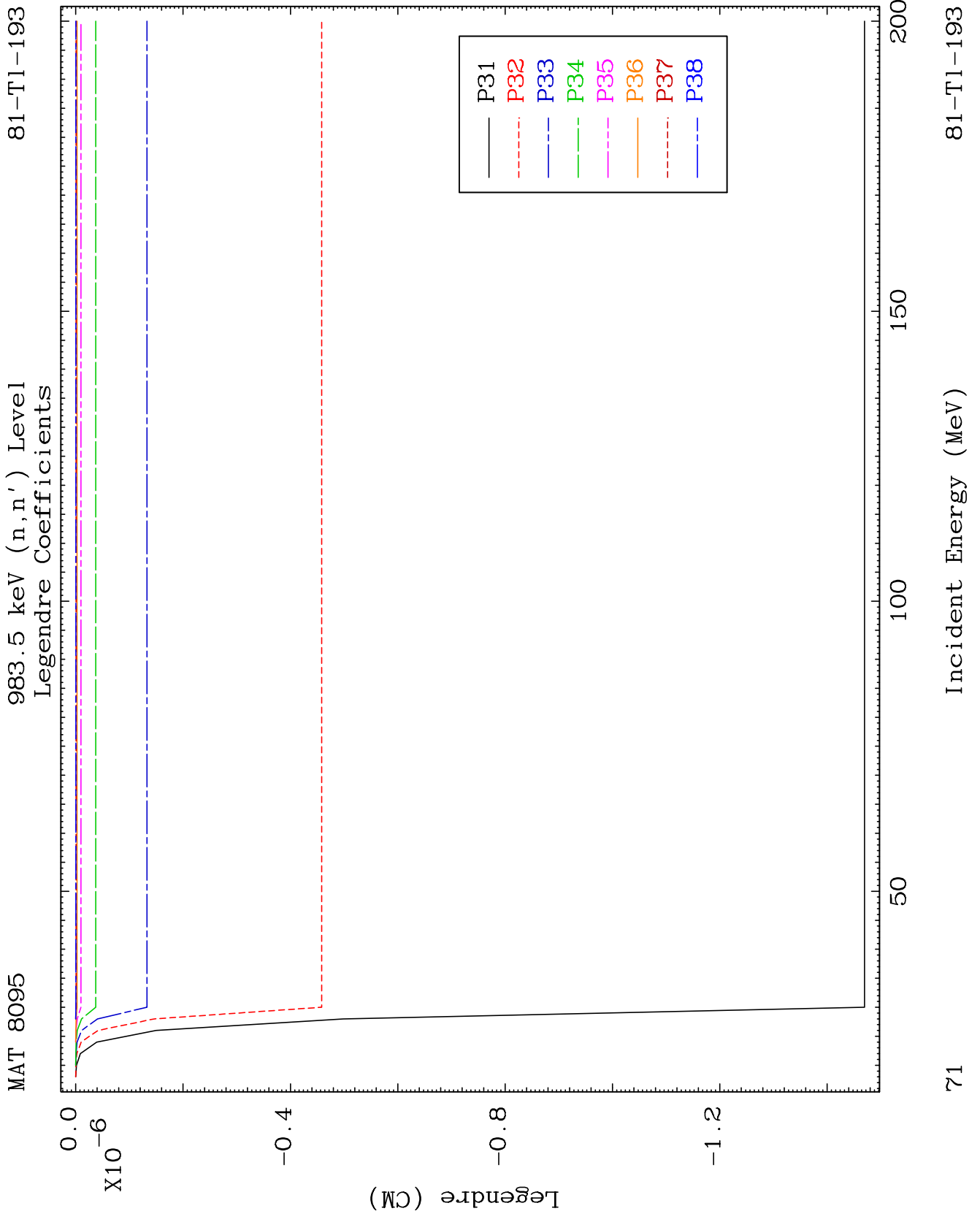


69

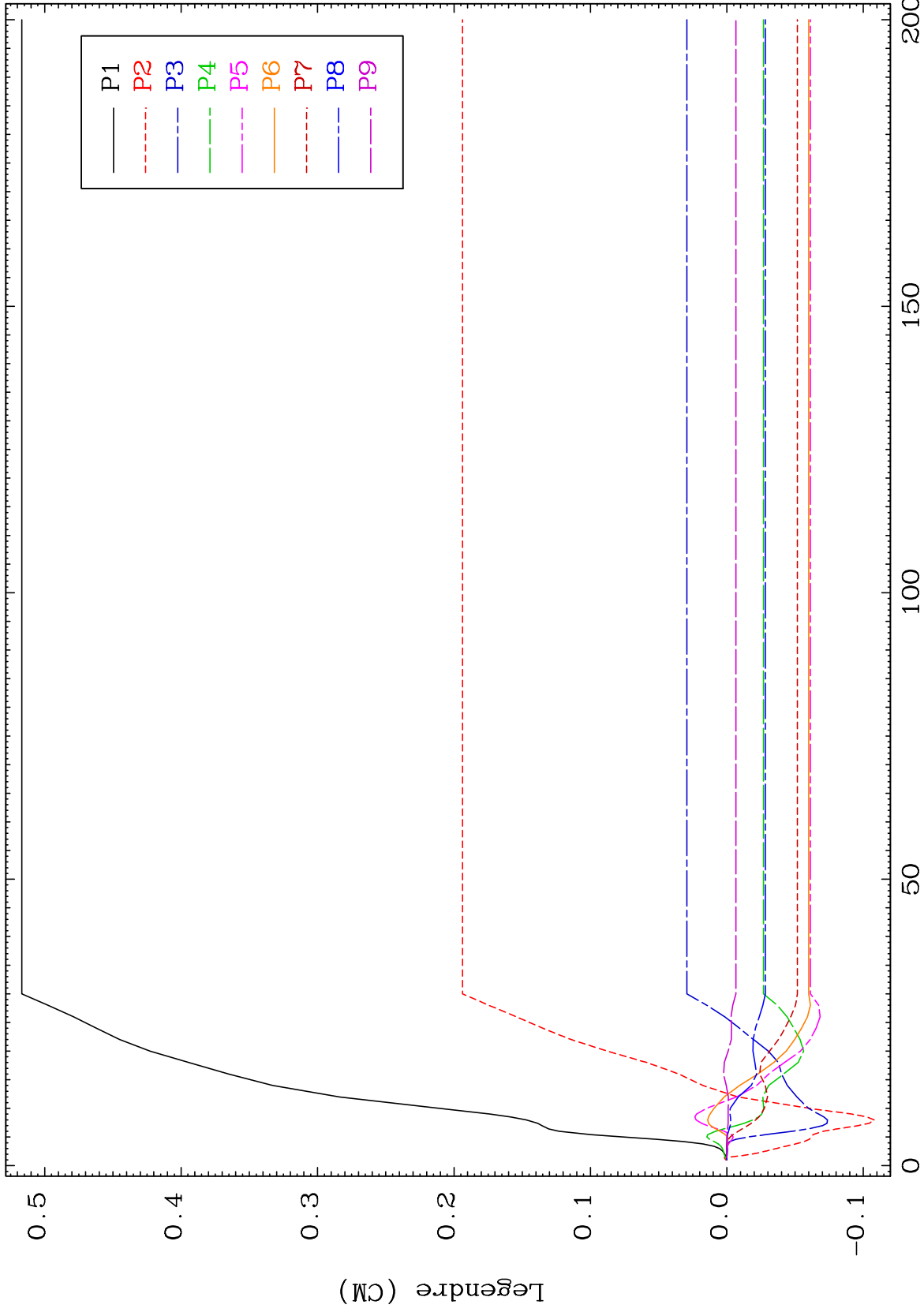
Incident Energy (MeV)

81-T1-193





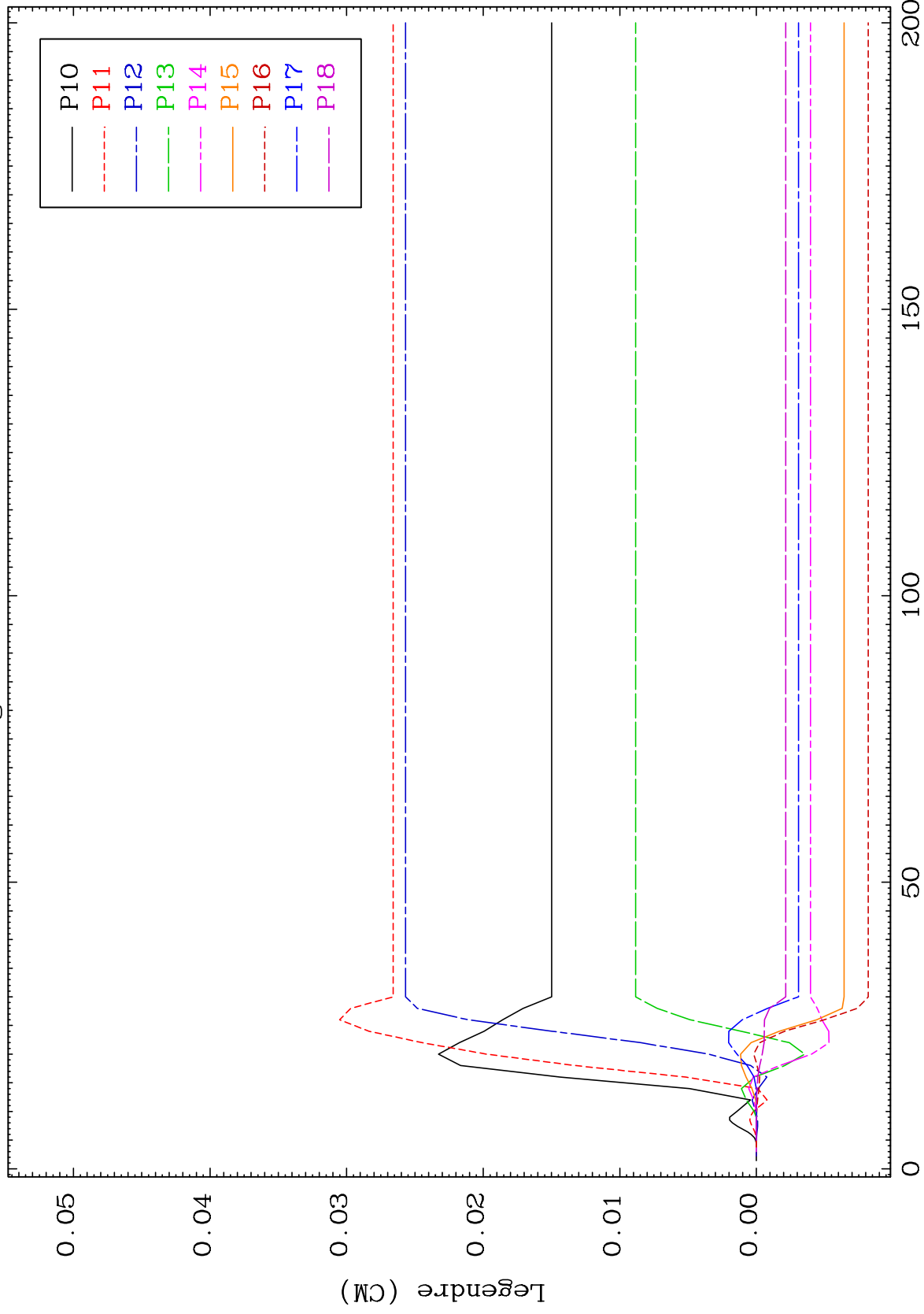




MAT 8095

991.6 keV (n,n') Level  
Legendre Coefficients

81-T1-193



73

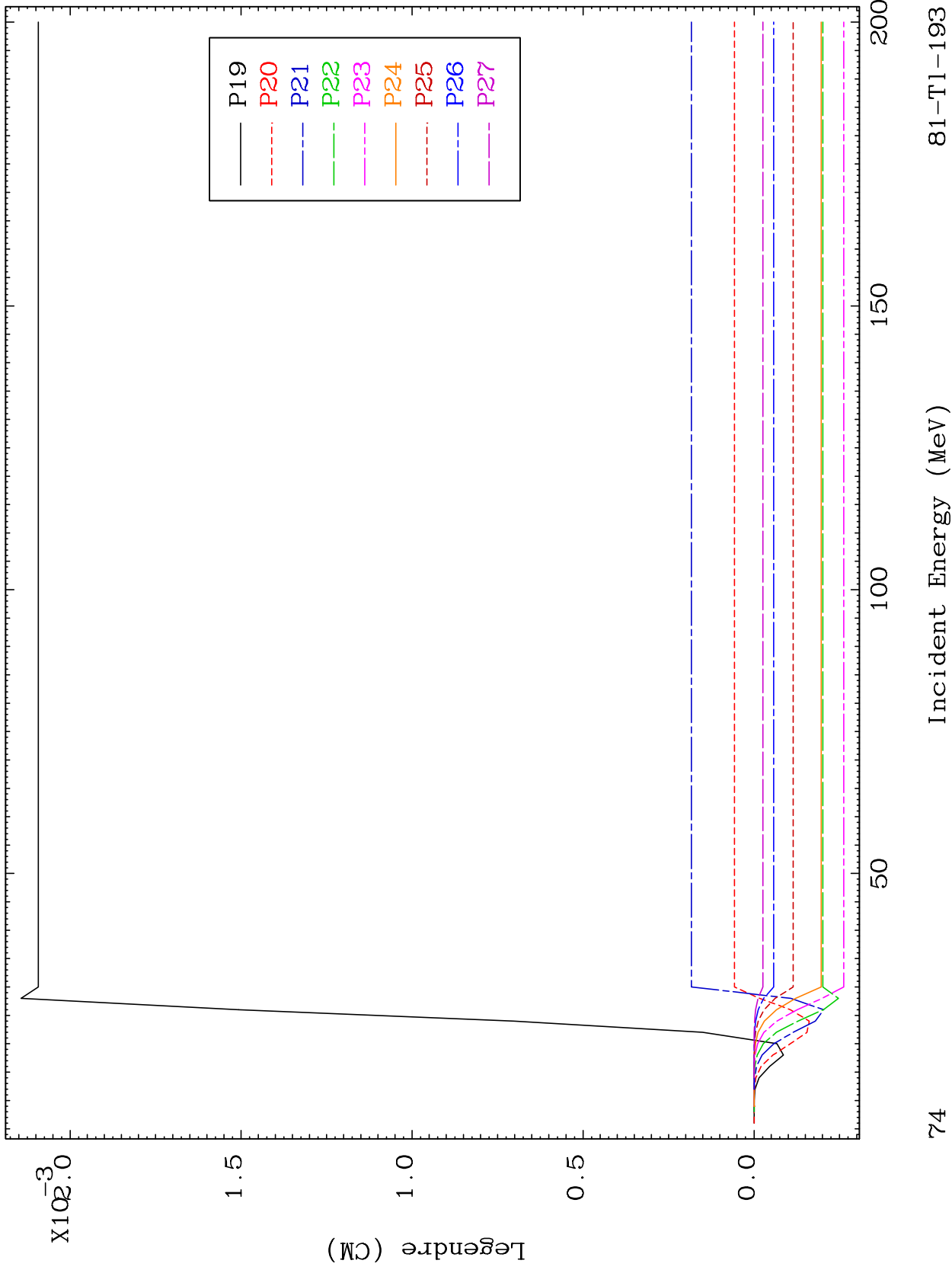
Incident Energy (MeV)

81-T1-193

MAT 8095

991.6 keV (n,n') Level  
Legendre Coefficients

81-T1-193



74

Incident Energy (MeV)

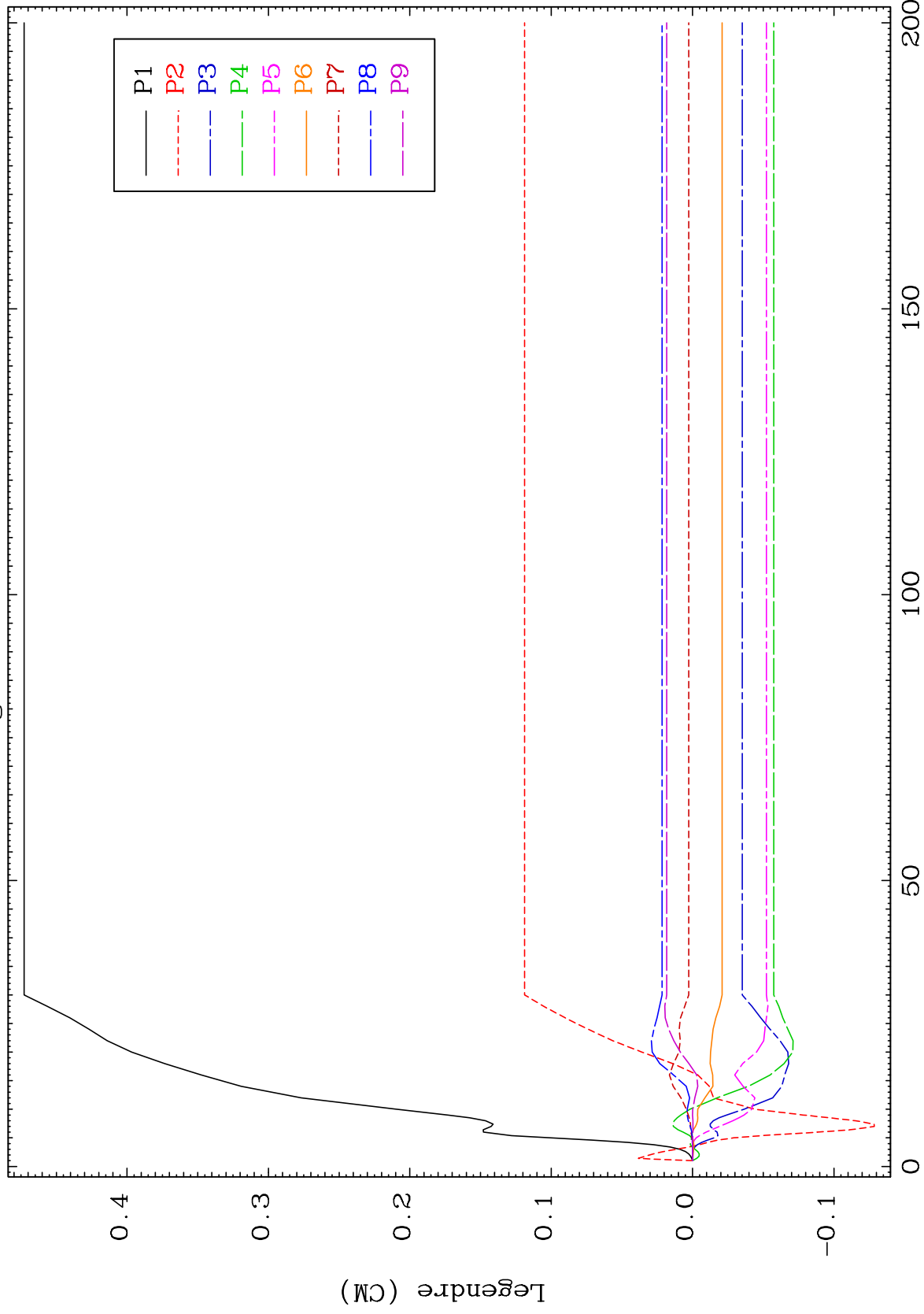
81-T1-193



MAT 8095

997.2 keV (n,n') Level  
Legendre Coefficients

81-T1-193



76

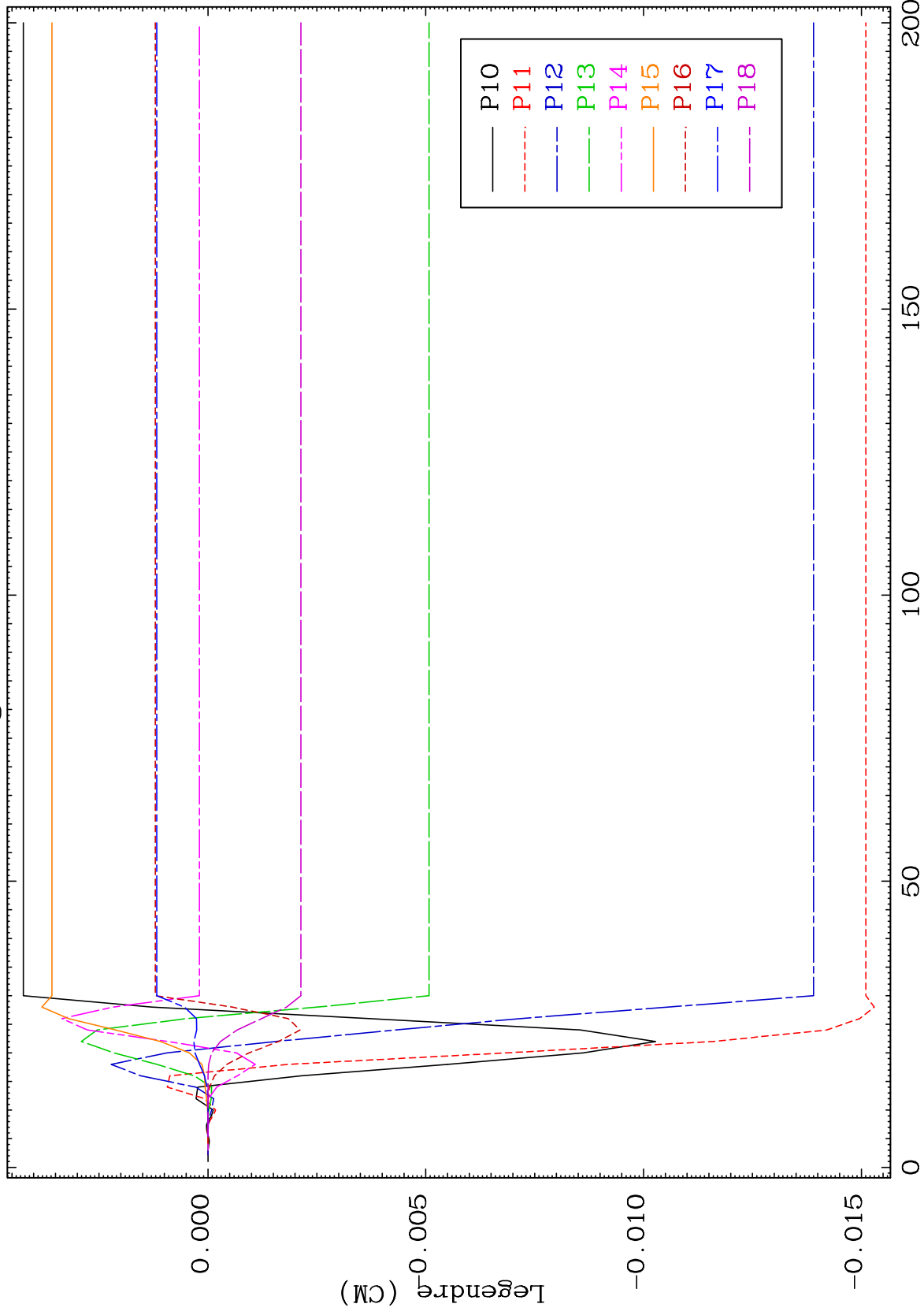
Incident Energy (MeV)

81-T1-193

MAT 8095

997.2 keV (n,n') Level  
Legendre Coefficients

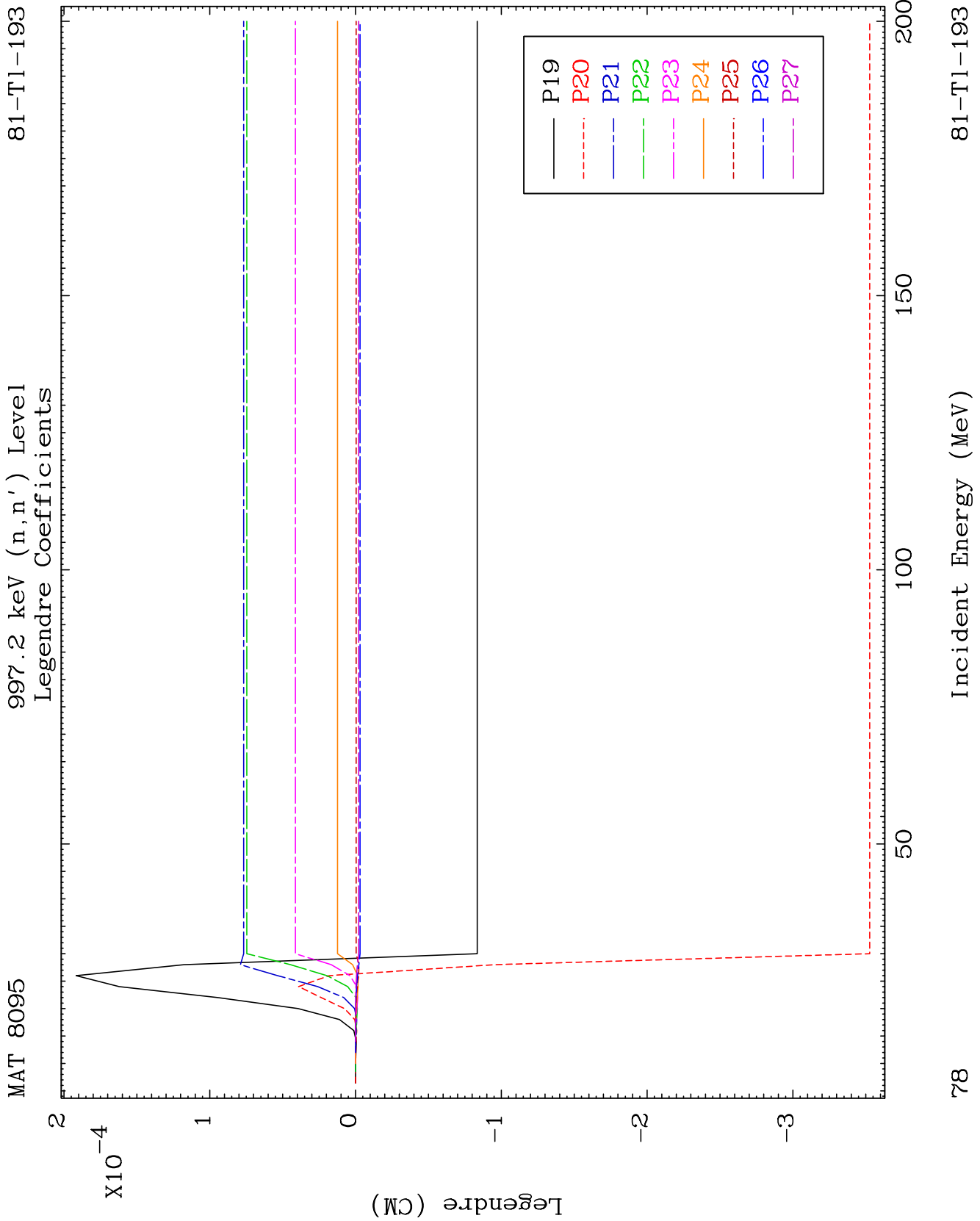
81-T1-193

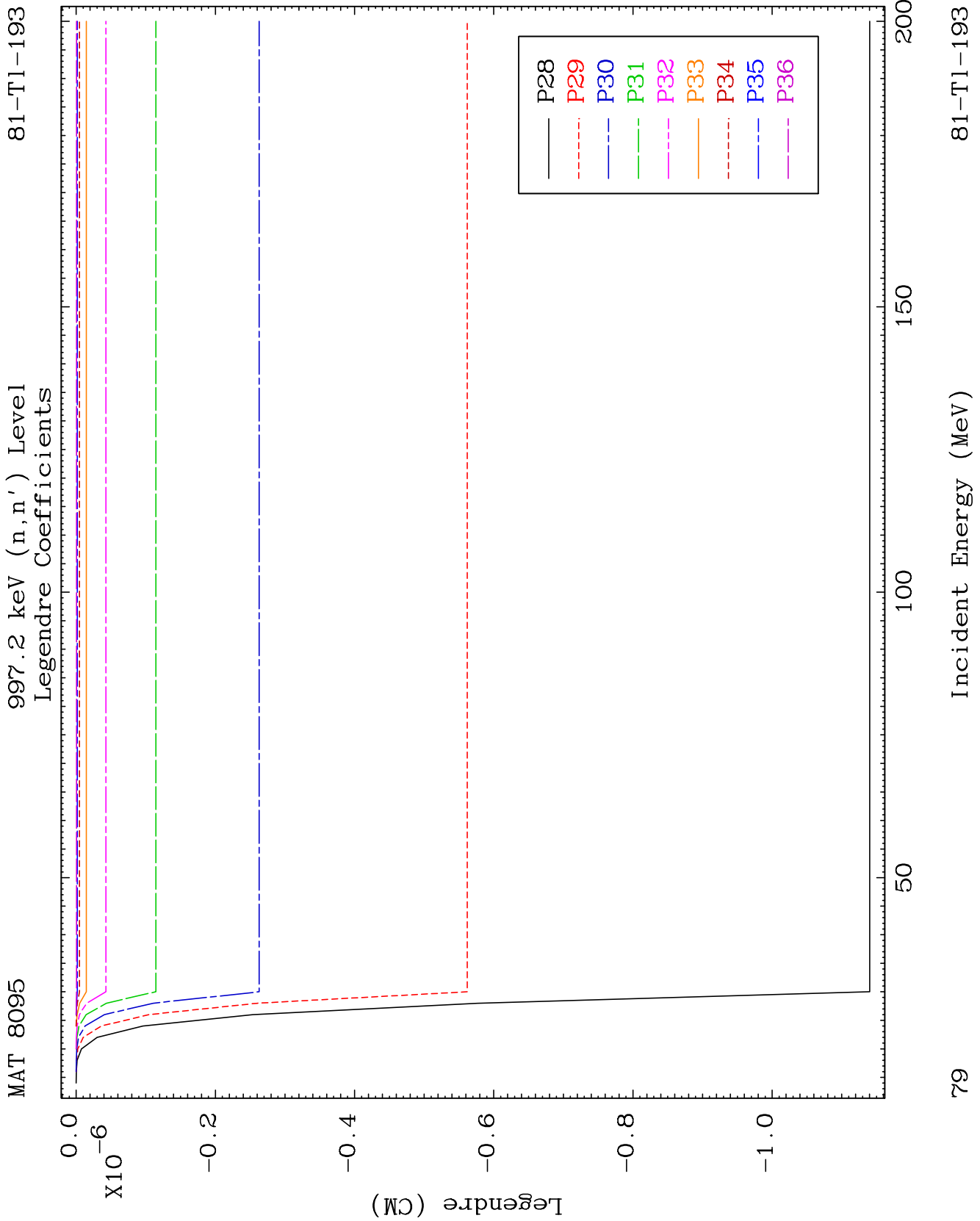


77

Incident Energy (MeV)

81-T1-193



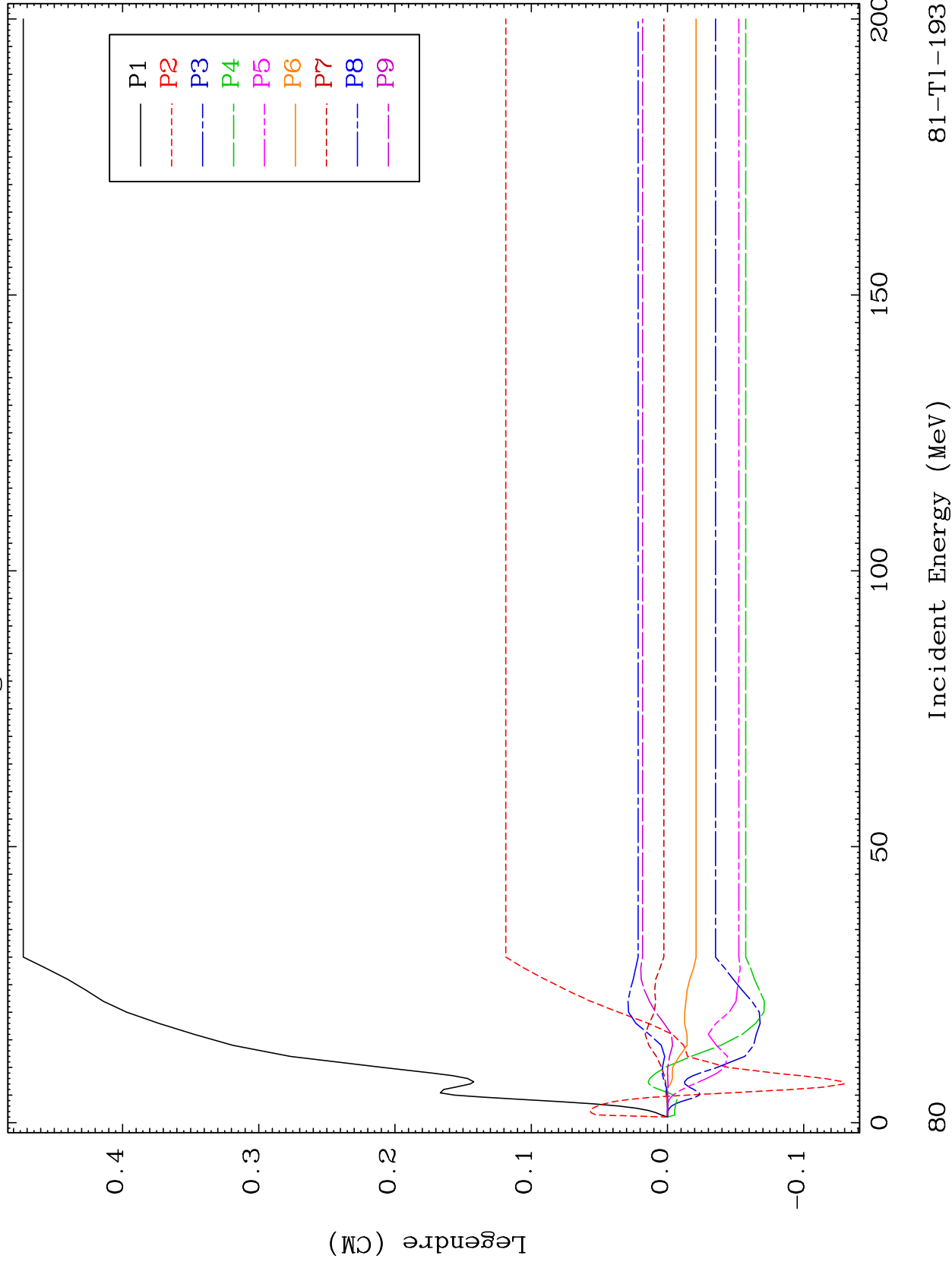




MAT 8095

999.1 keV (n,n') Level  
Legendre Coefficients

81-T1-193



81-T1-193

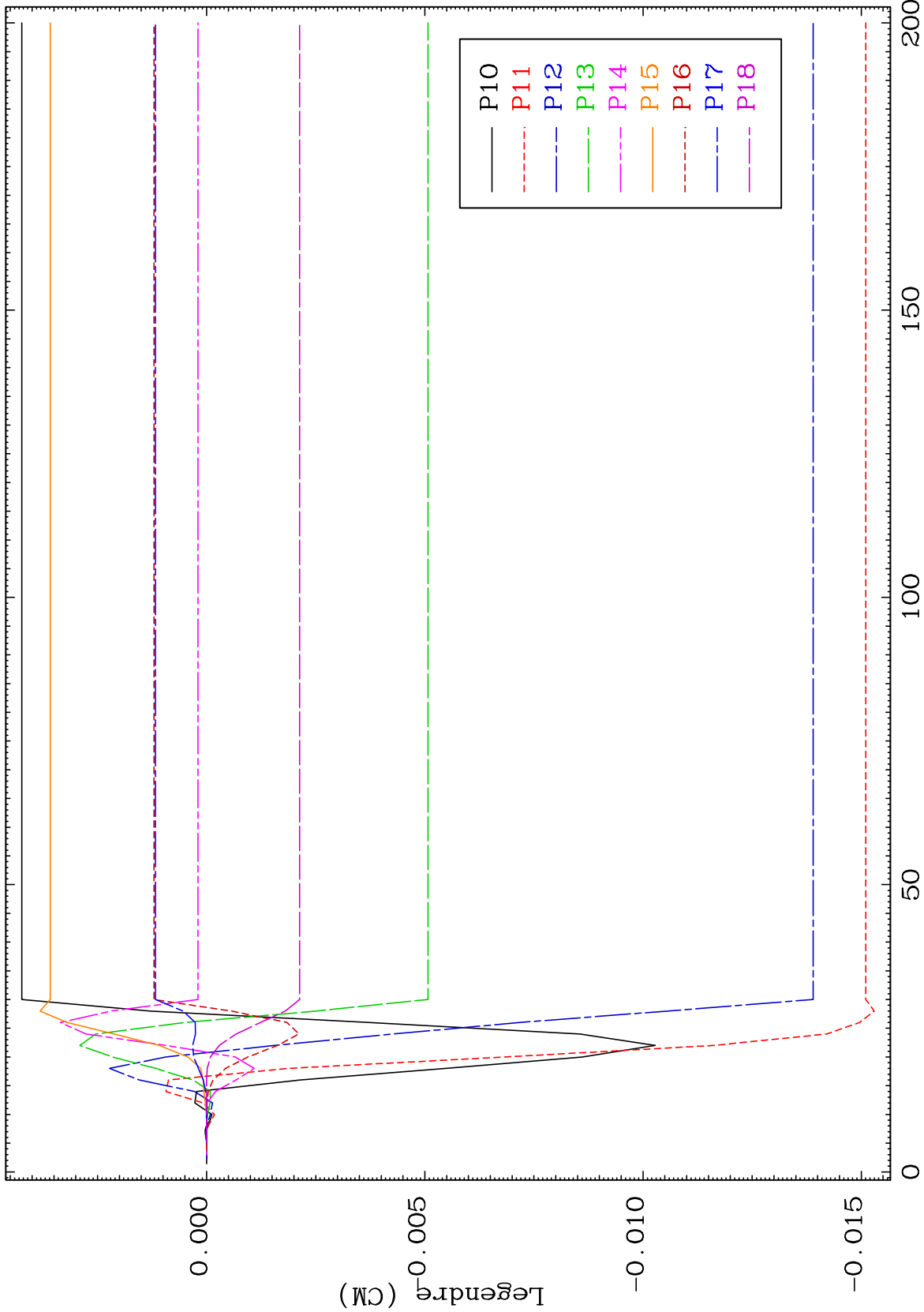
Incident Energy (MeV)

80

MAT 8095

999.1 keV (n,n') Level  
Legendre Coefficients

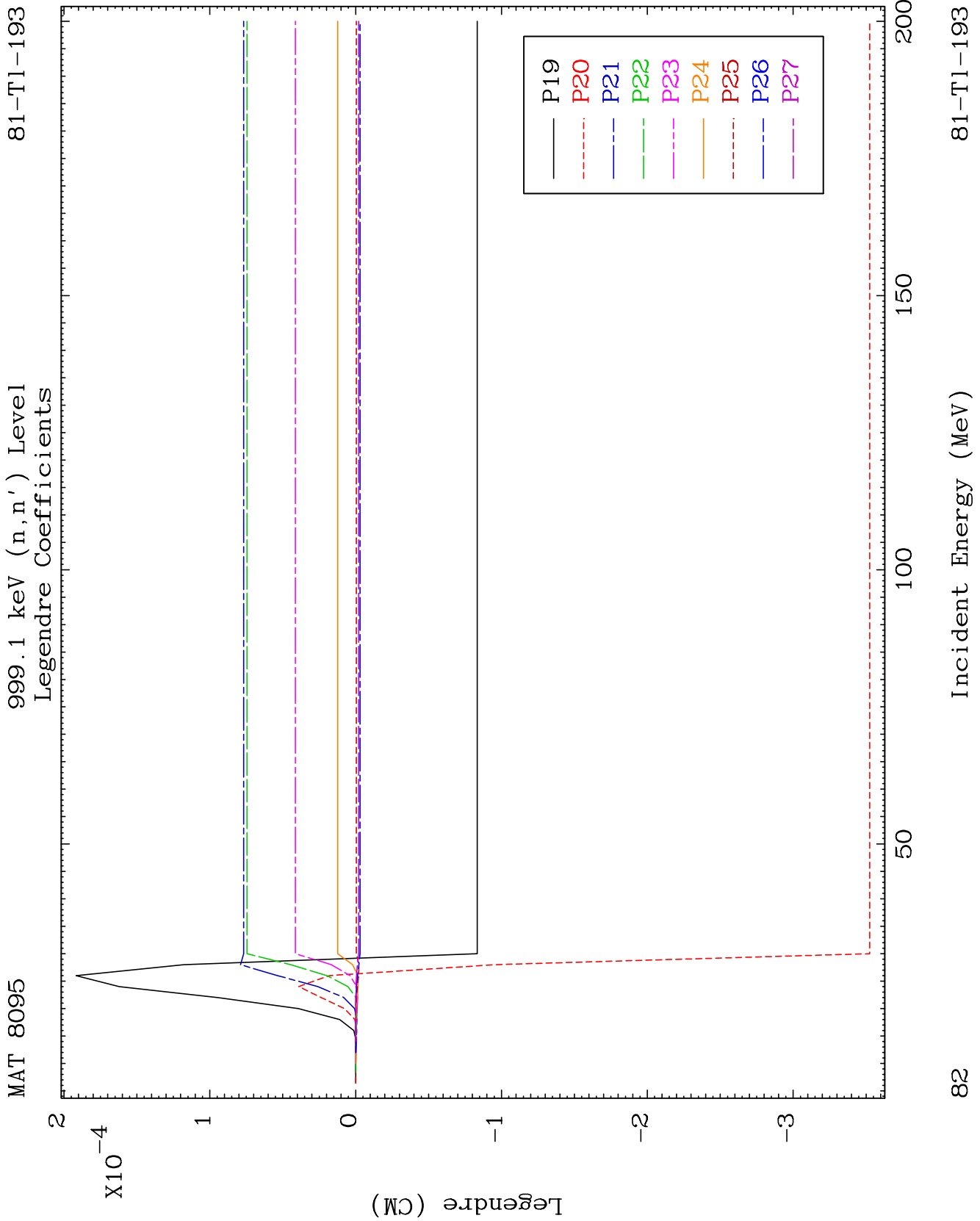
81-T1-193

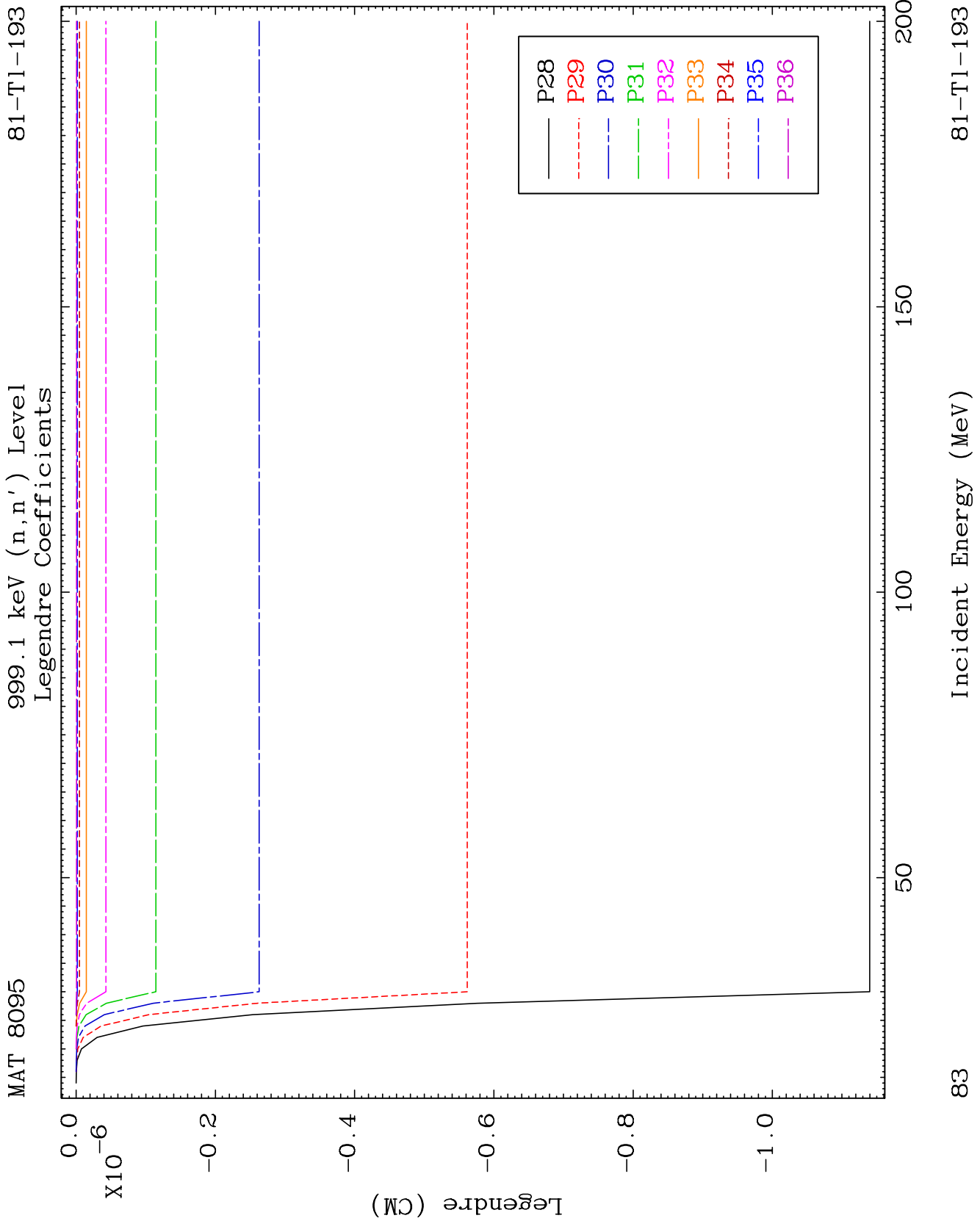


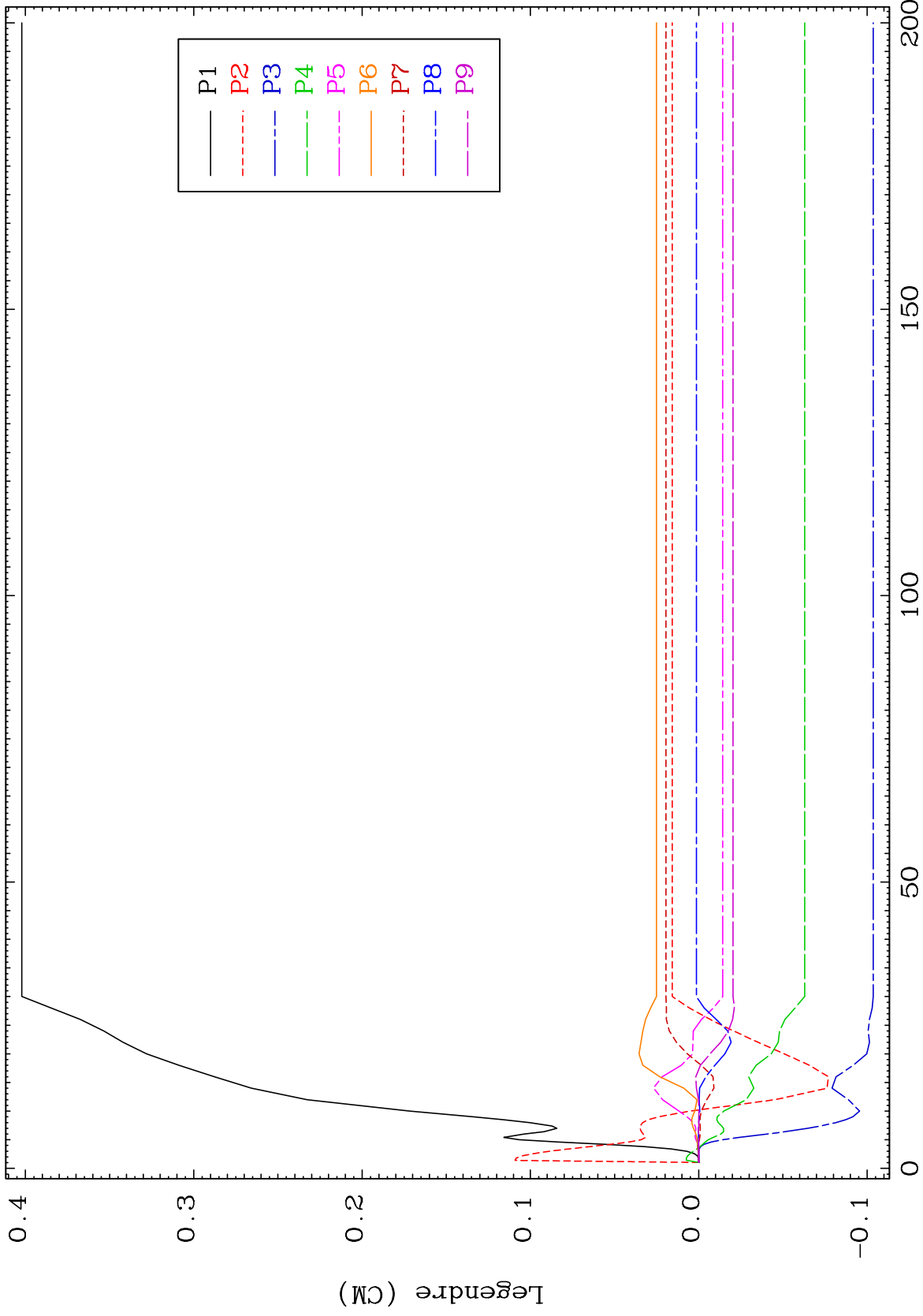
81

Incident Energy (MeV)

81-T1-193



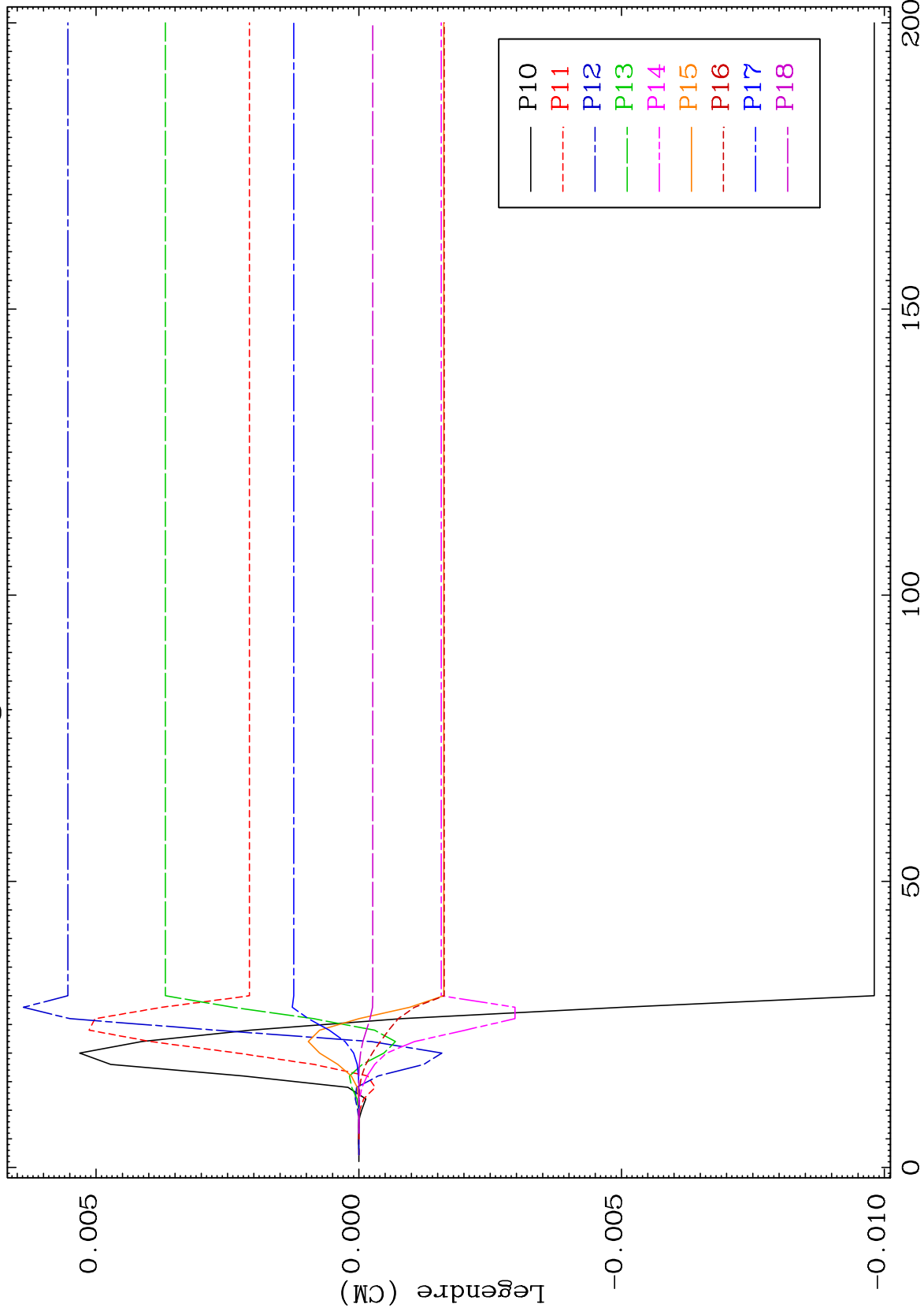




MAT 8095

1.025 MeV (n,n') Level  
Legendre Coefficients

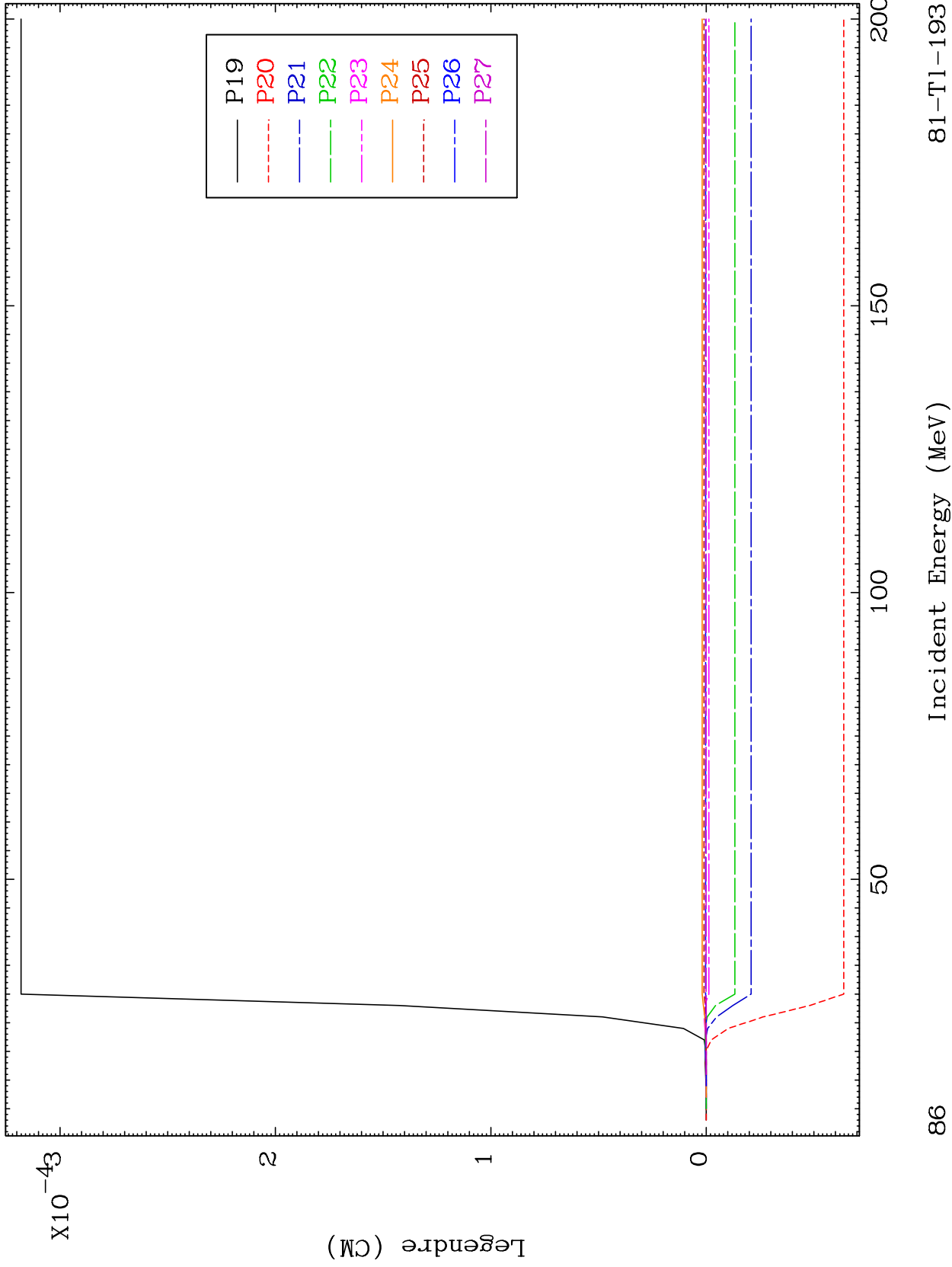
81-T1-193

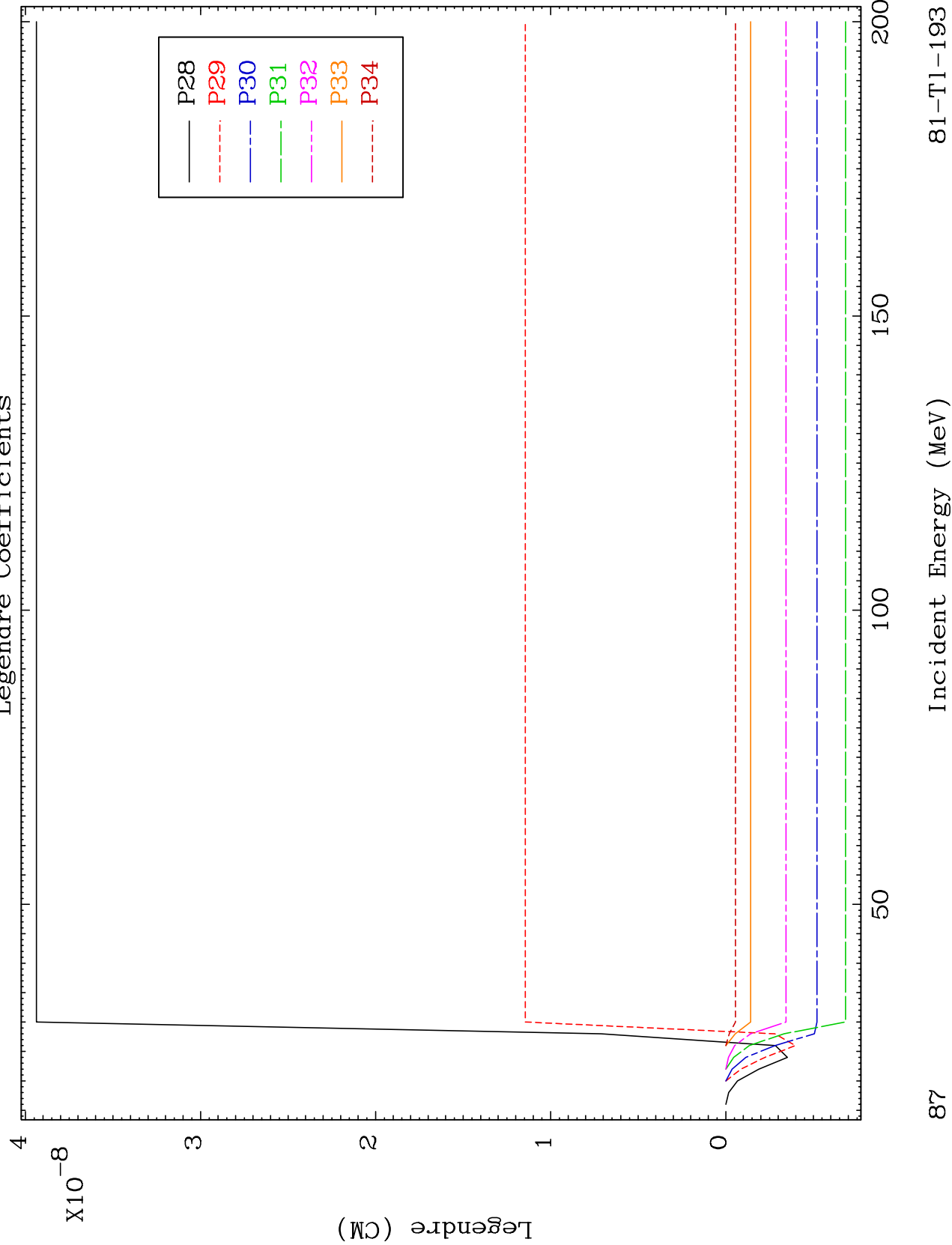


85

Incident Energy (MeV)

81-T1-193



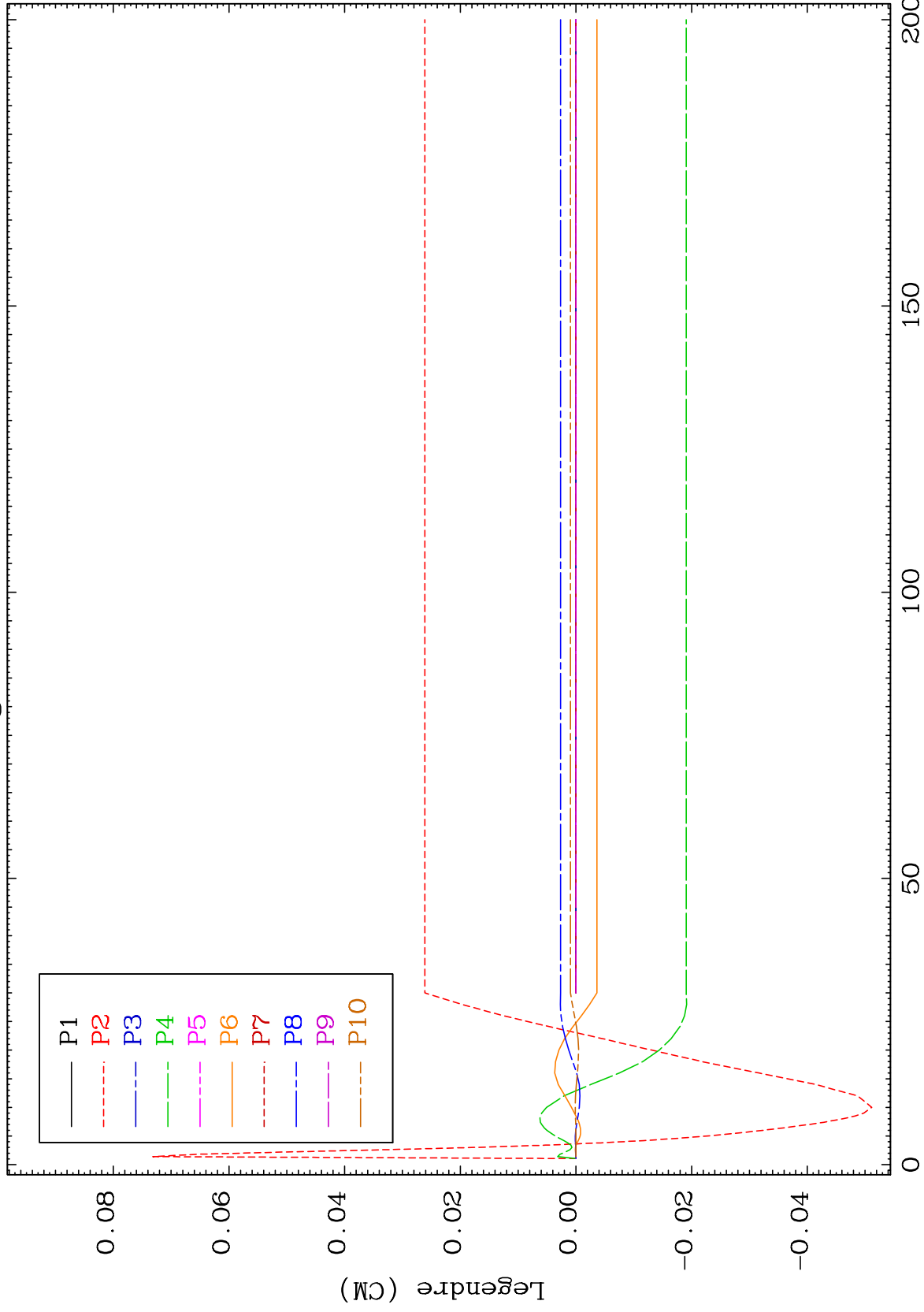




MAT 8095

1.050 MeV (n,n') Level  
Legendre Coefficients

81-T1-193



88

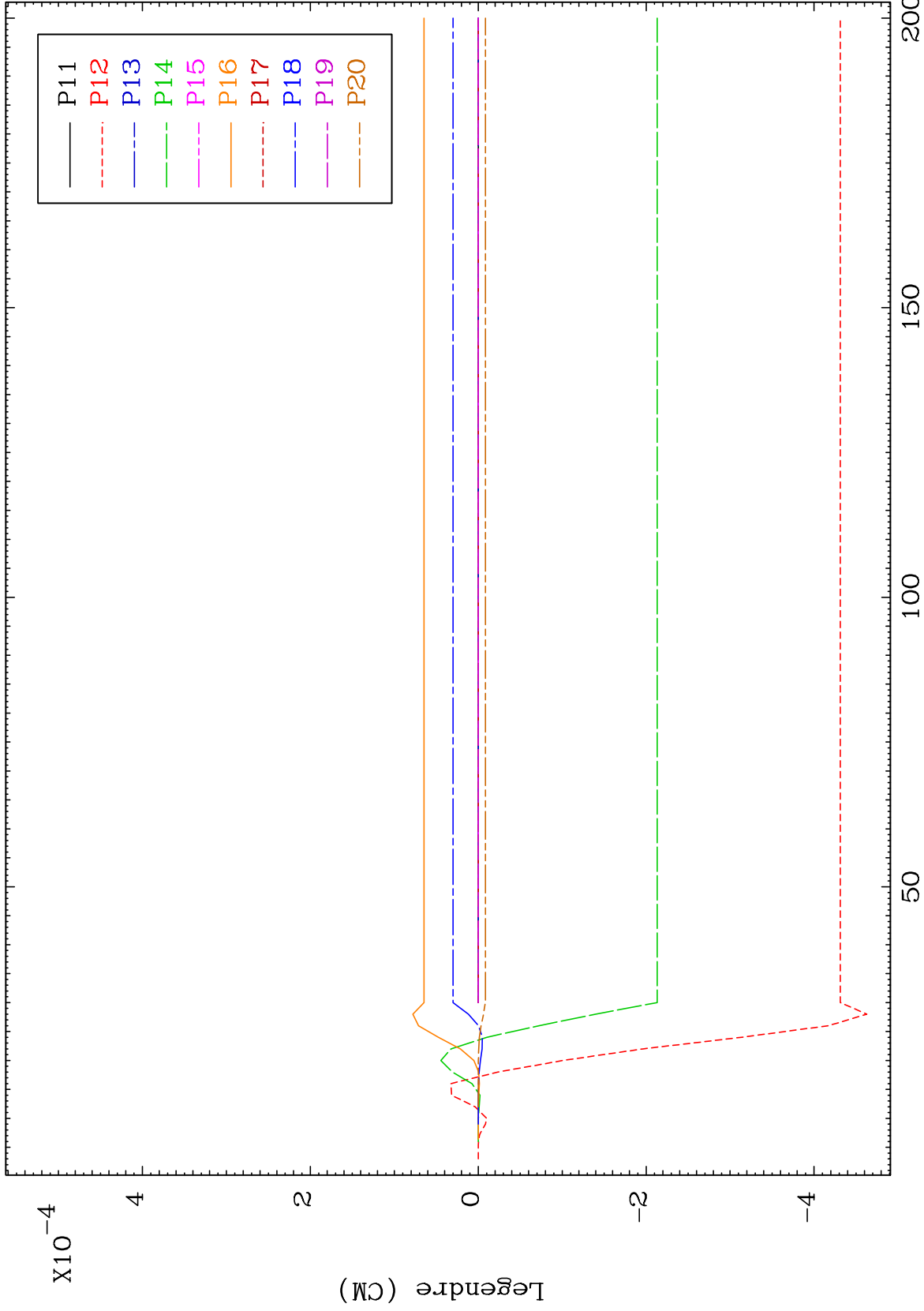
Incident Energy (MeV)

81-T1-193

MAT 8095

1.050 MeV (n,n') Level  
Legendre Coefficients

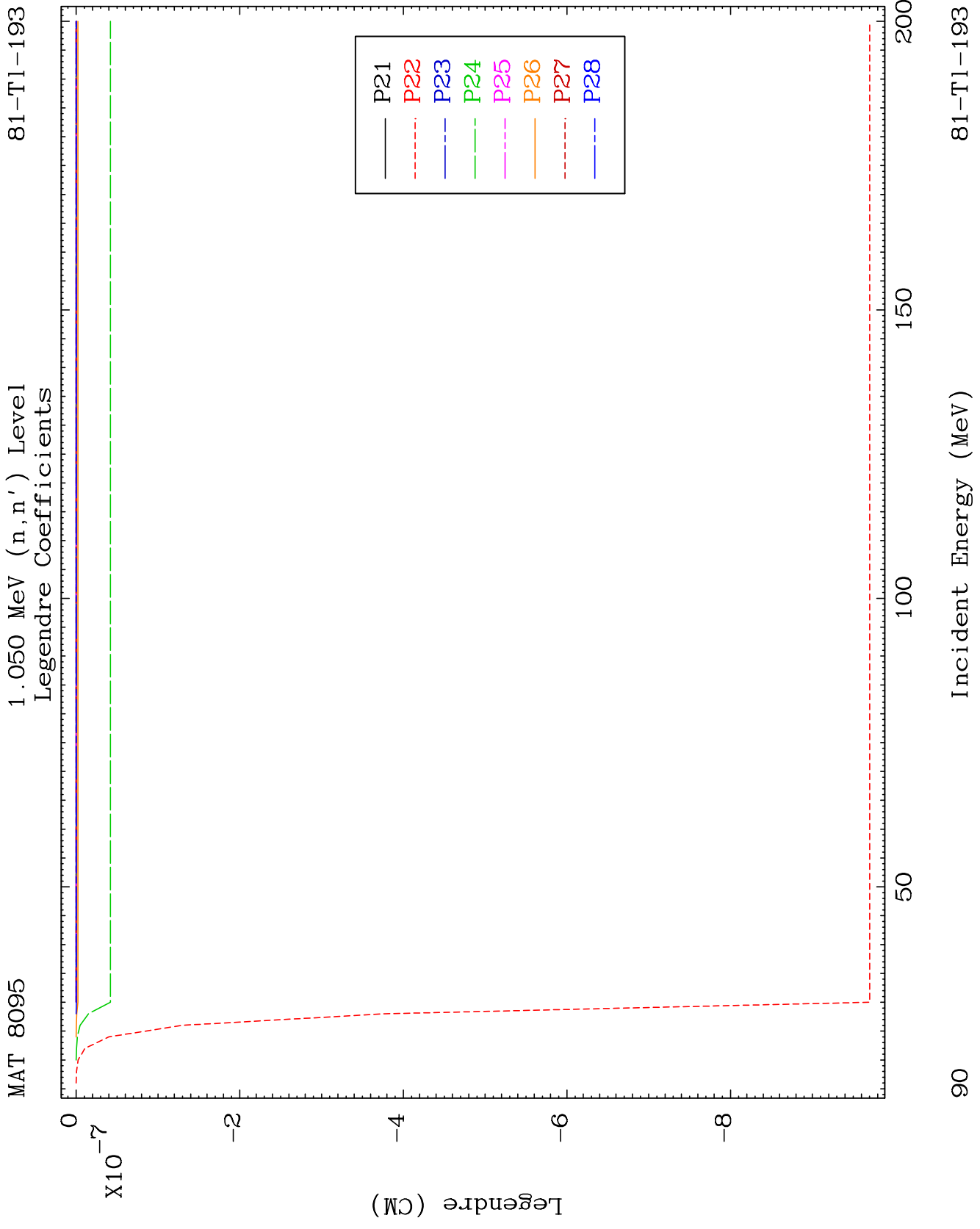
81-Tl-193

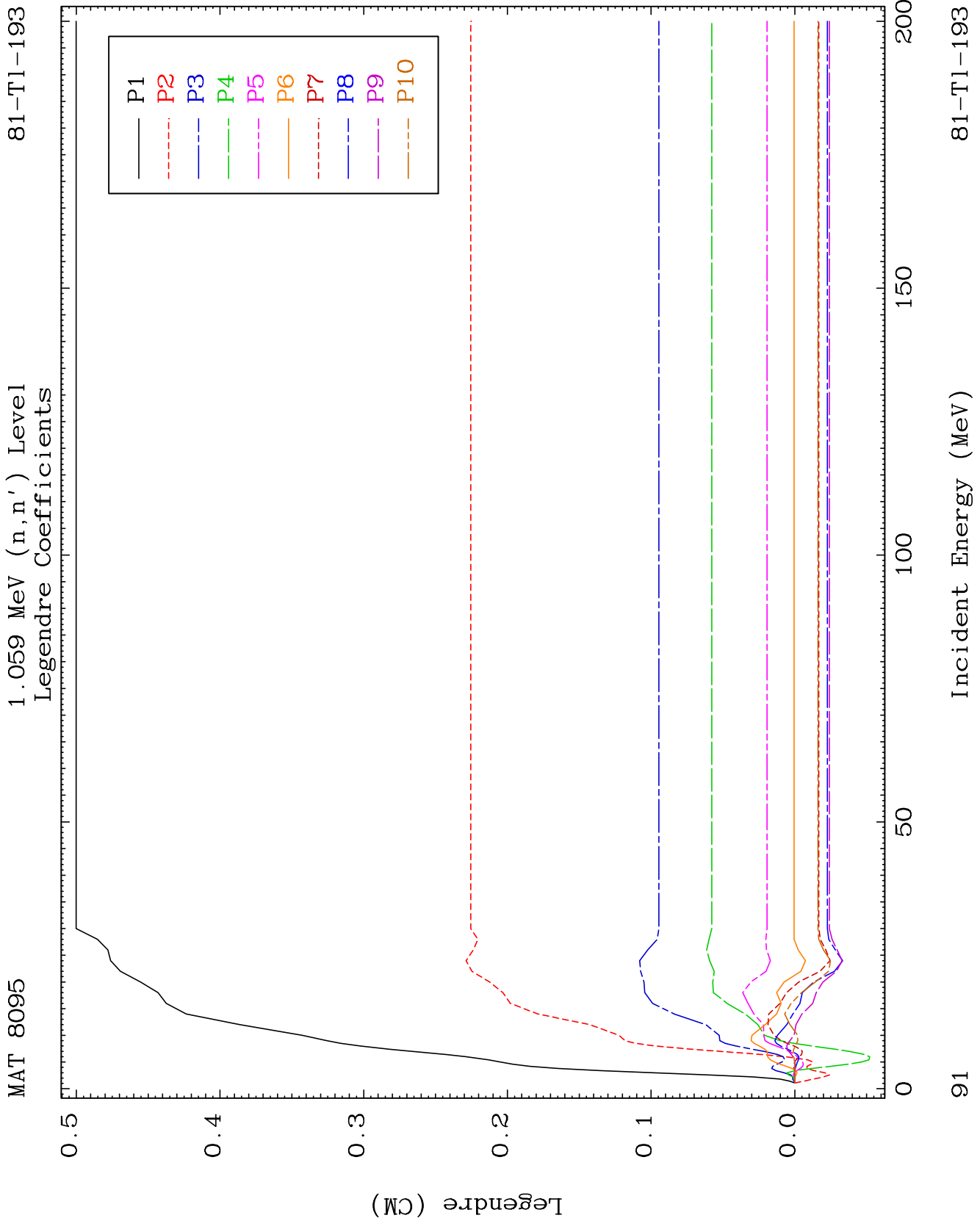


89

Incident Energy (MeV)

81-Tl-193

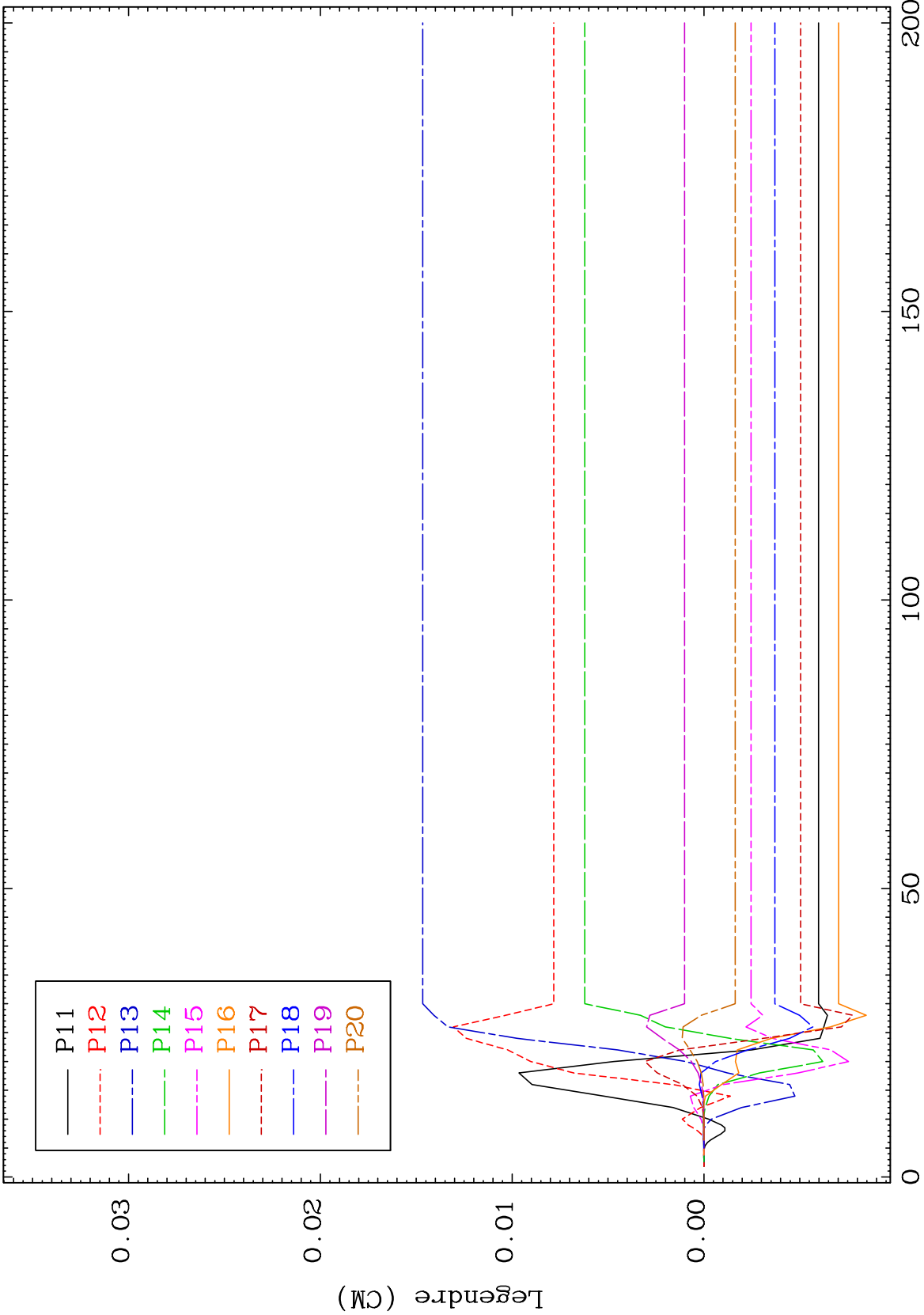




MAT 8095

1.059 MeV (n,n') Level  
Legendre Coefficients

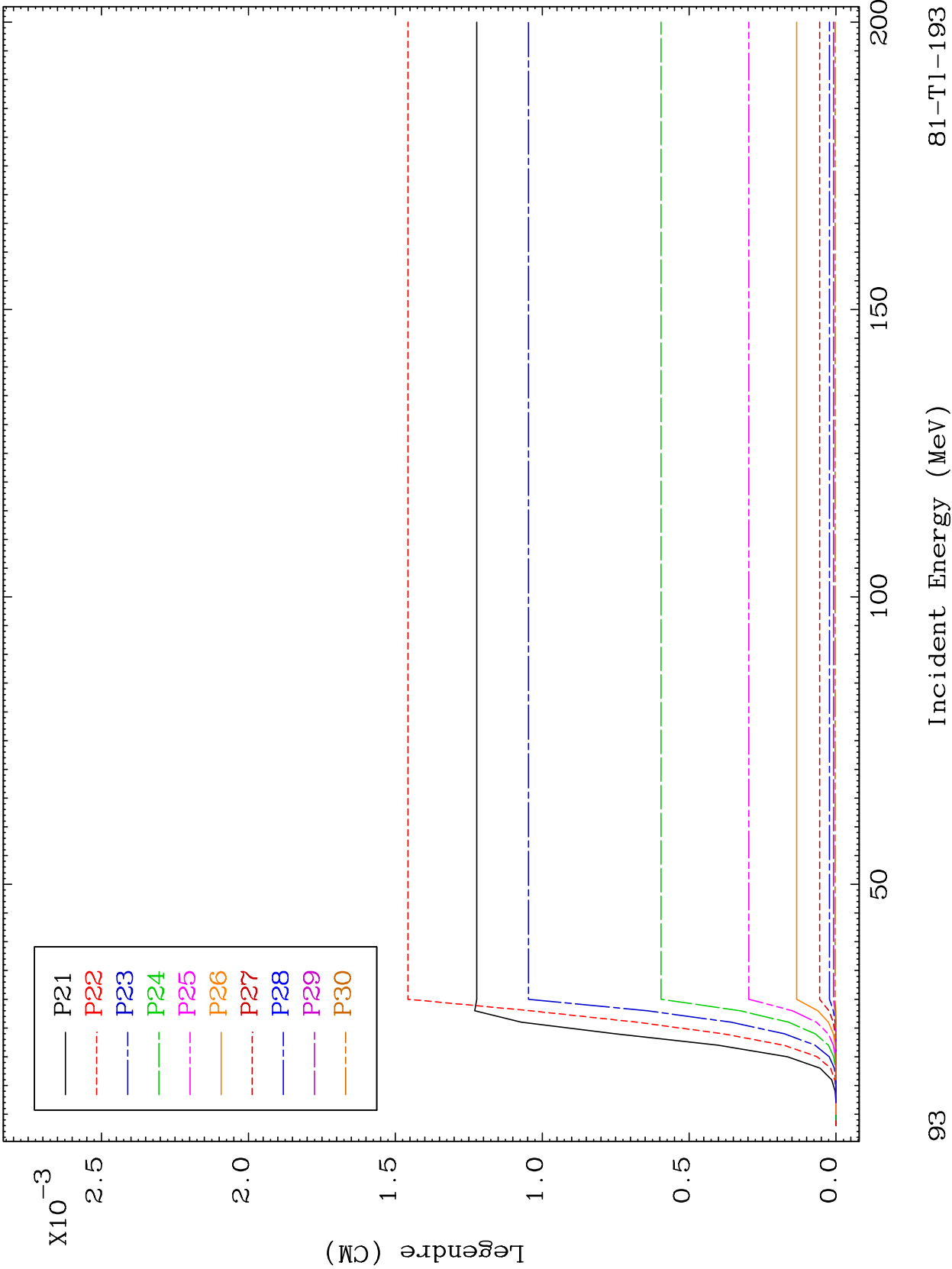
81-T1-193



92

Incident Energy (MeV)

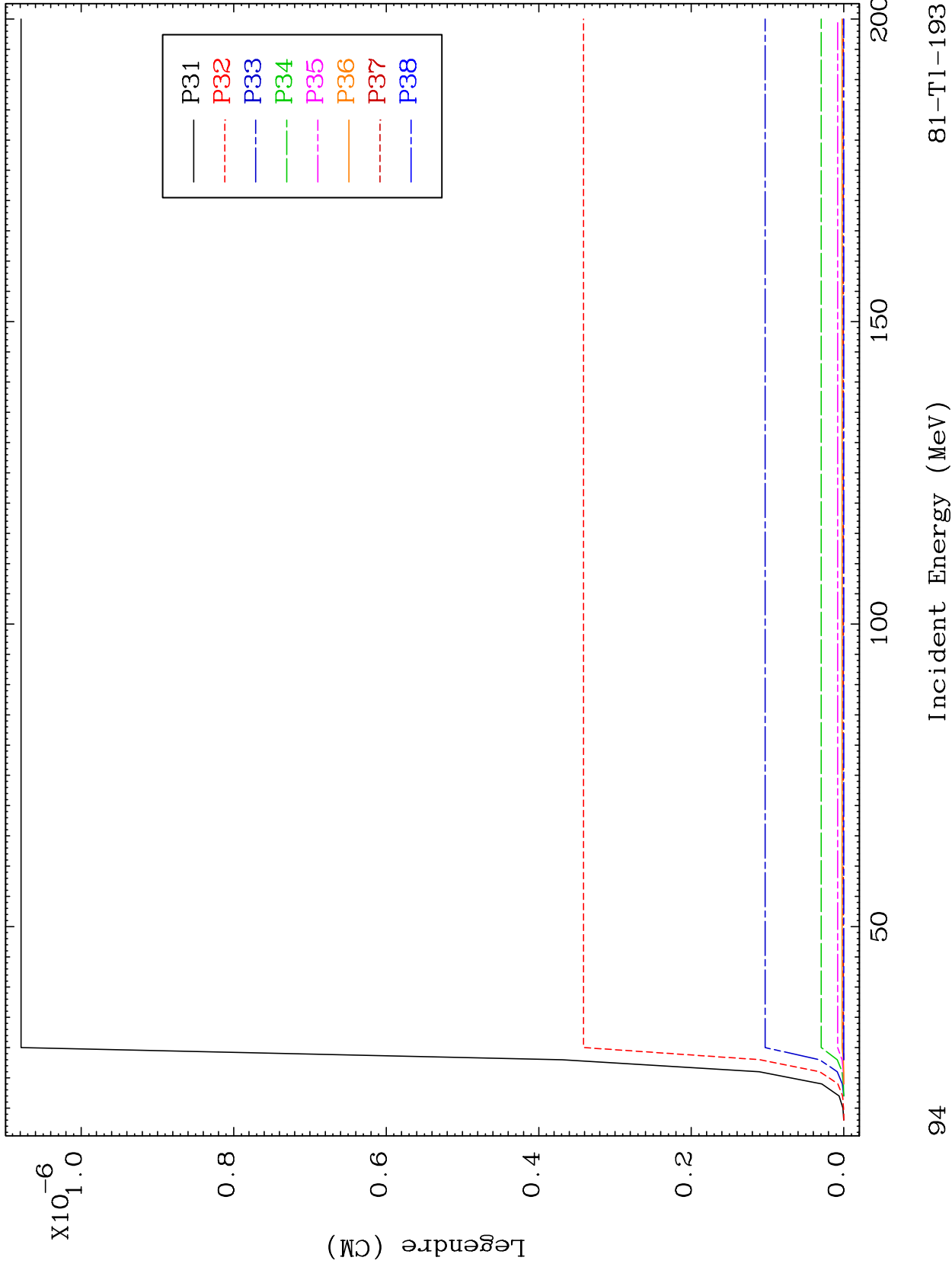
81-T1-193



MAT 8095

1.059 MeV (n,n') Level  
Legendre Coefficients

81-T1-193

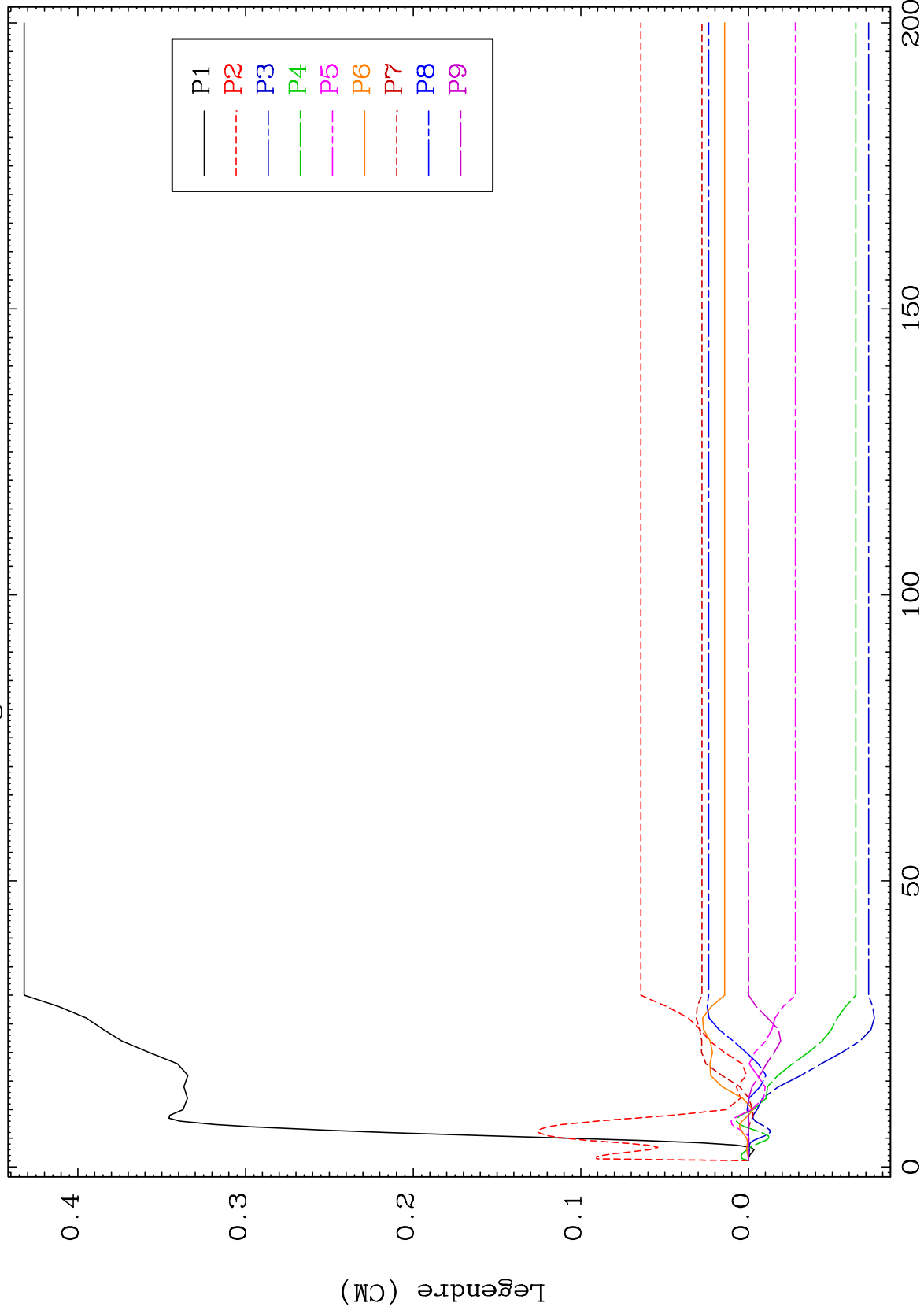


94

MAT 8095

1.067 MeV (n,n') Level  
Legendre Coefficients

81-T1-193



95

Incident Energy (MeV)

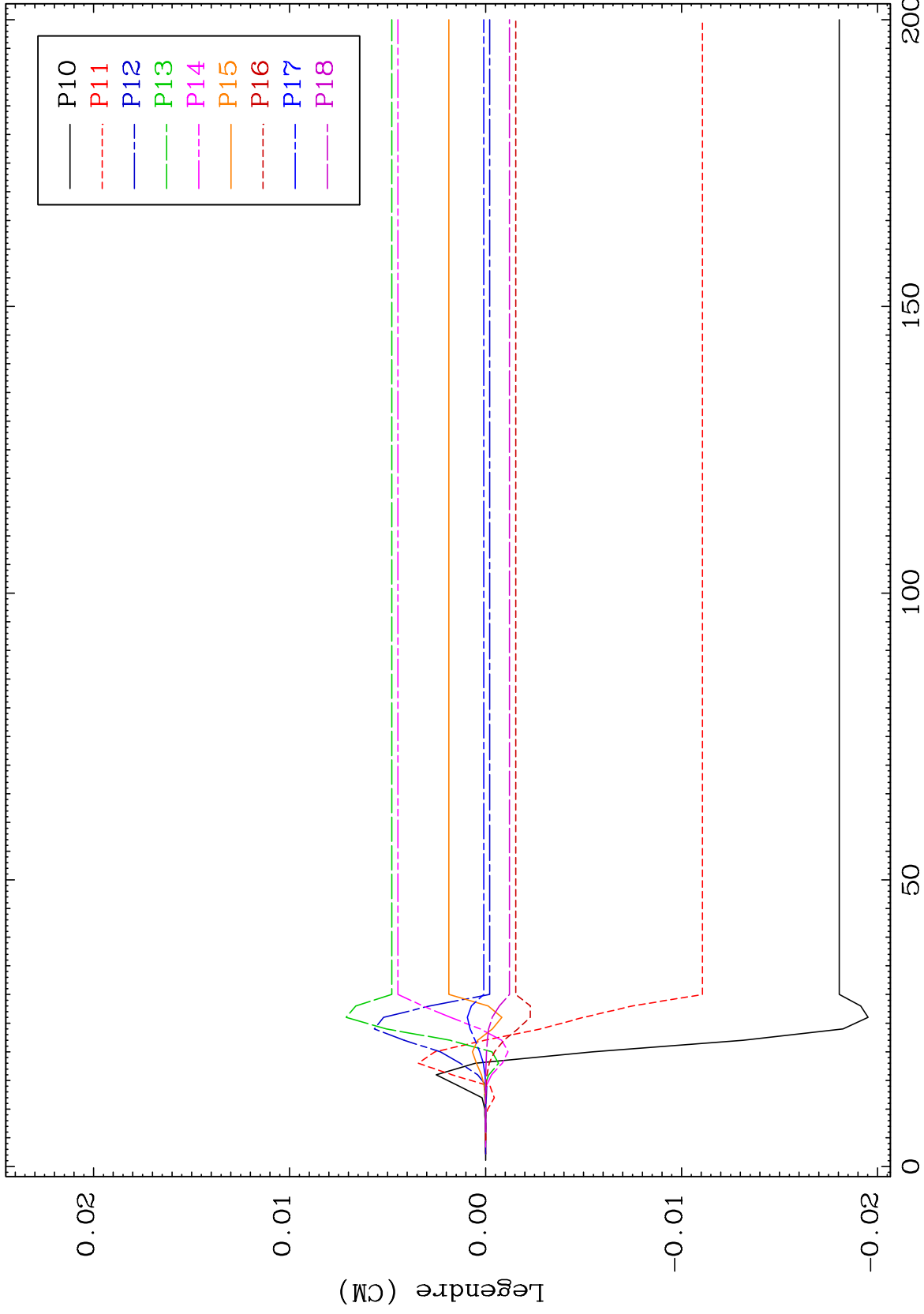
81-T1-193



MAT 8095

1.067 MeV (n,n') Level  
Legendre Coefficients

81-Tl-193



96

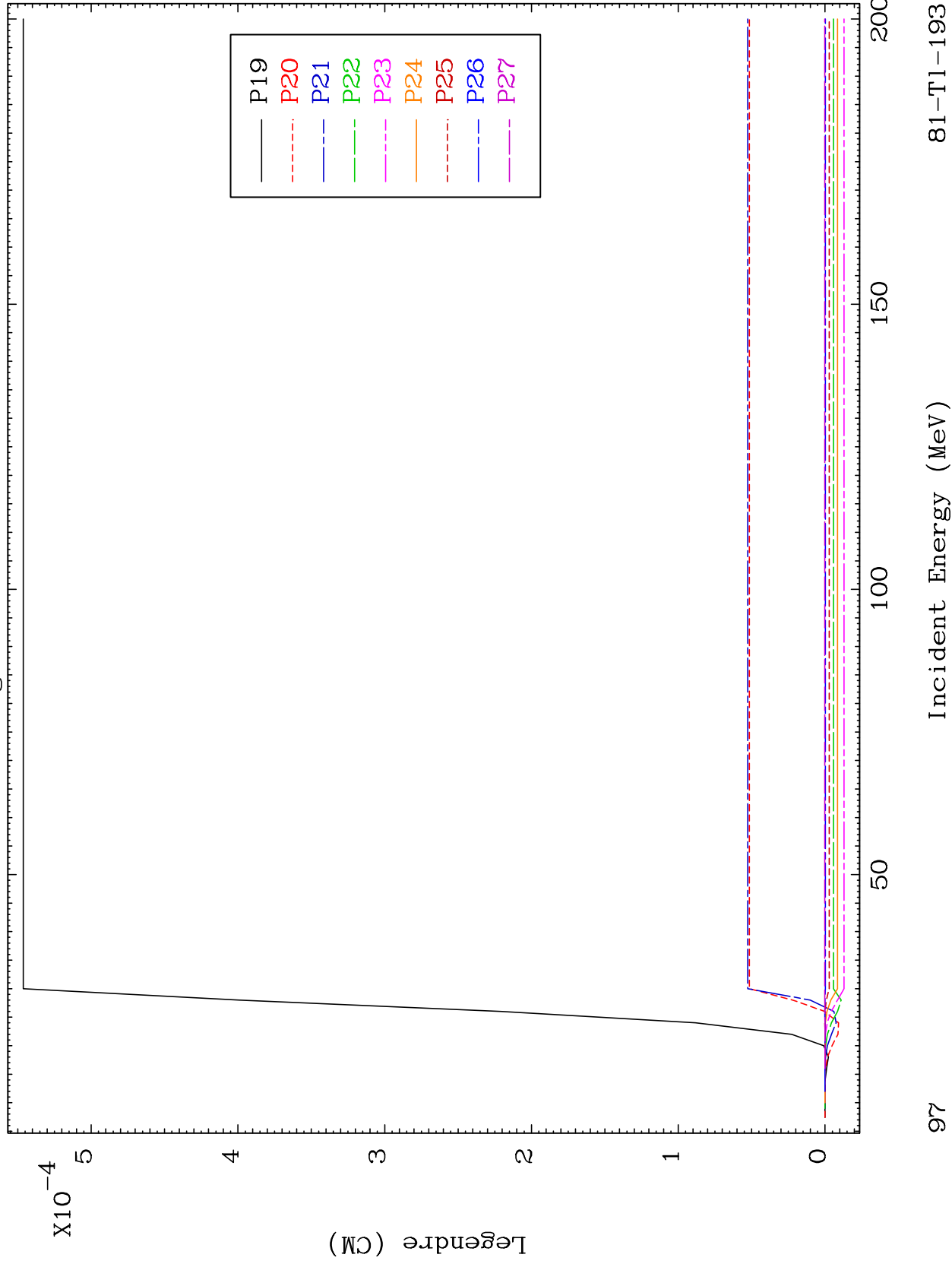
Incident Energy (MeV)

81-Tl-193

MAT 8095

1.067 MeV (n,n') Level  
Legendre Coefficients

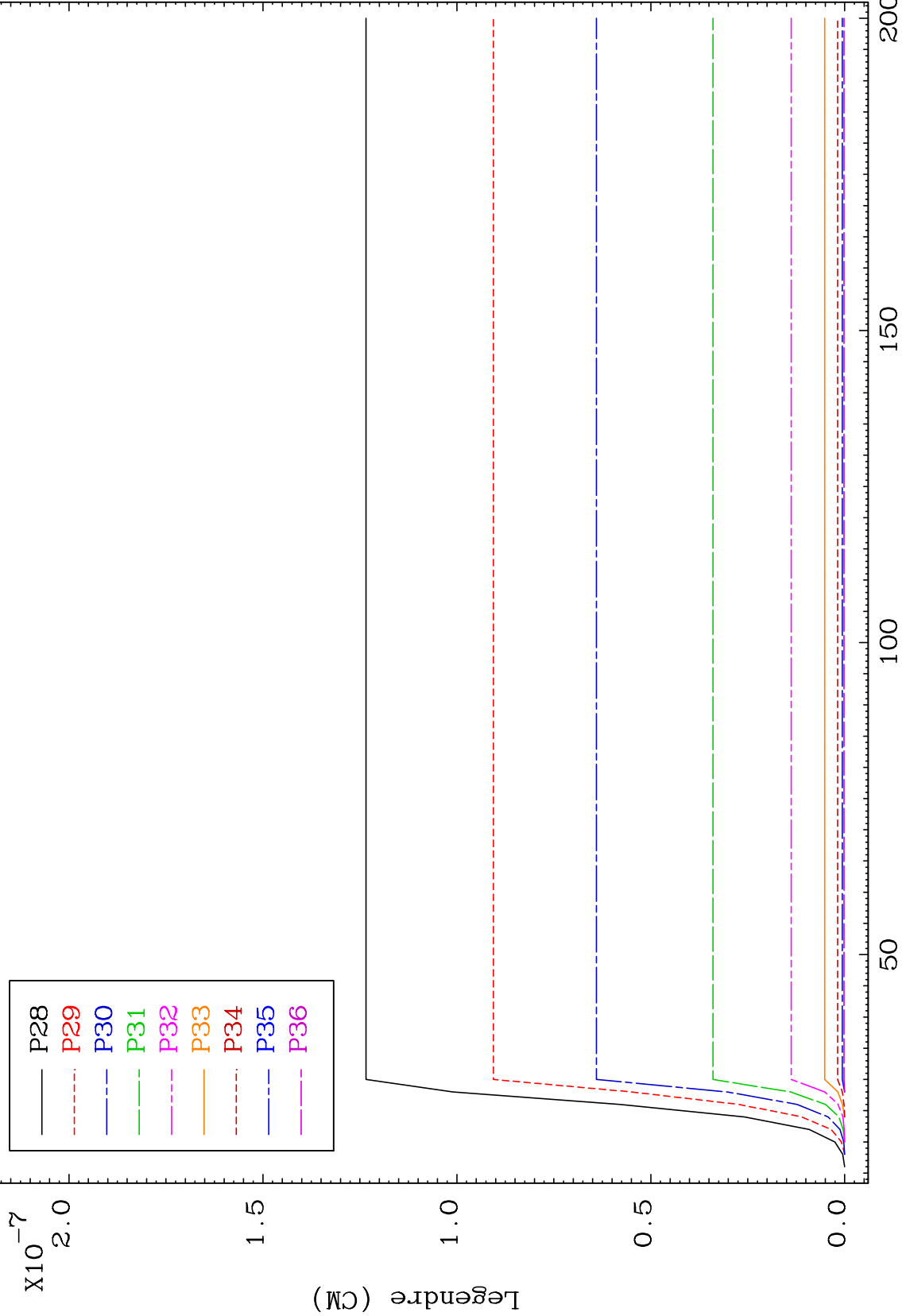
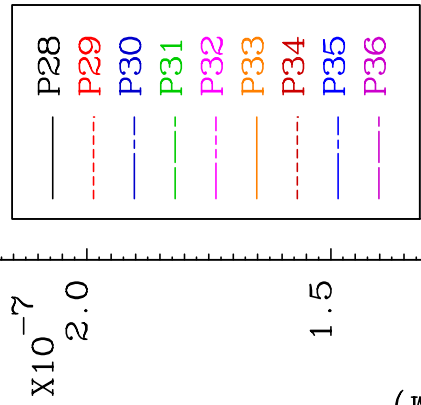
81-T1-193



MAT 8095

1.067 MeV (n,n') Level  
Legendre Coefficients

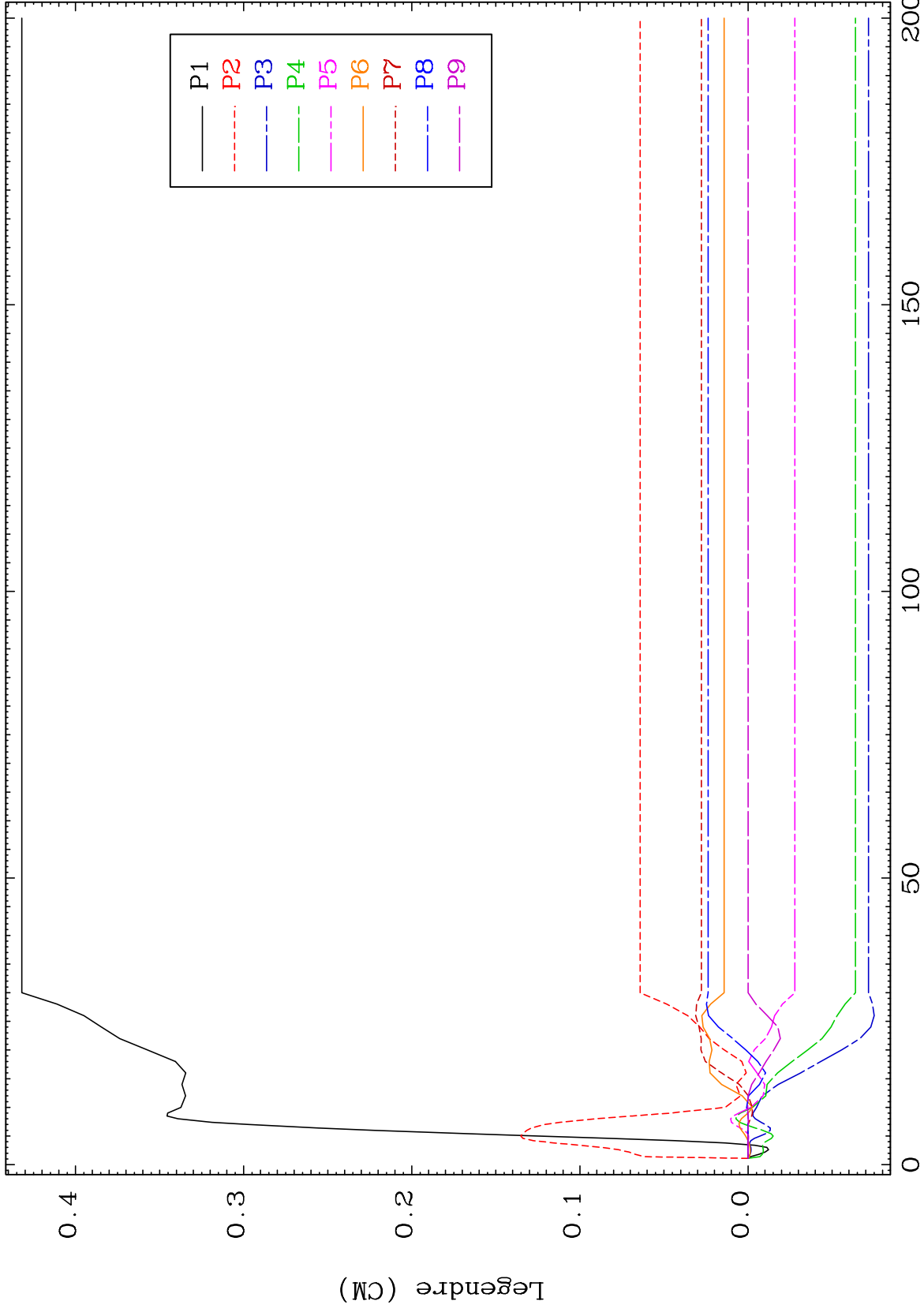
81-Tl-193



98

Incident Energy (MeV)

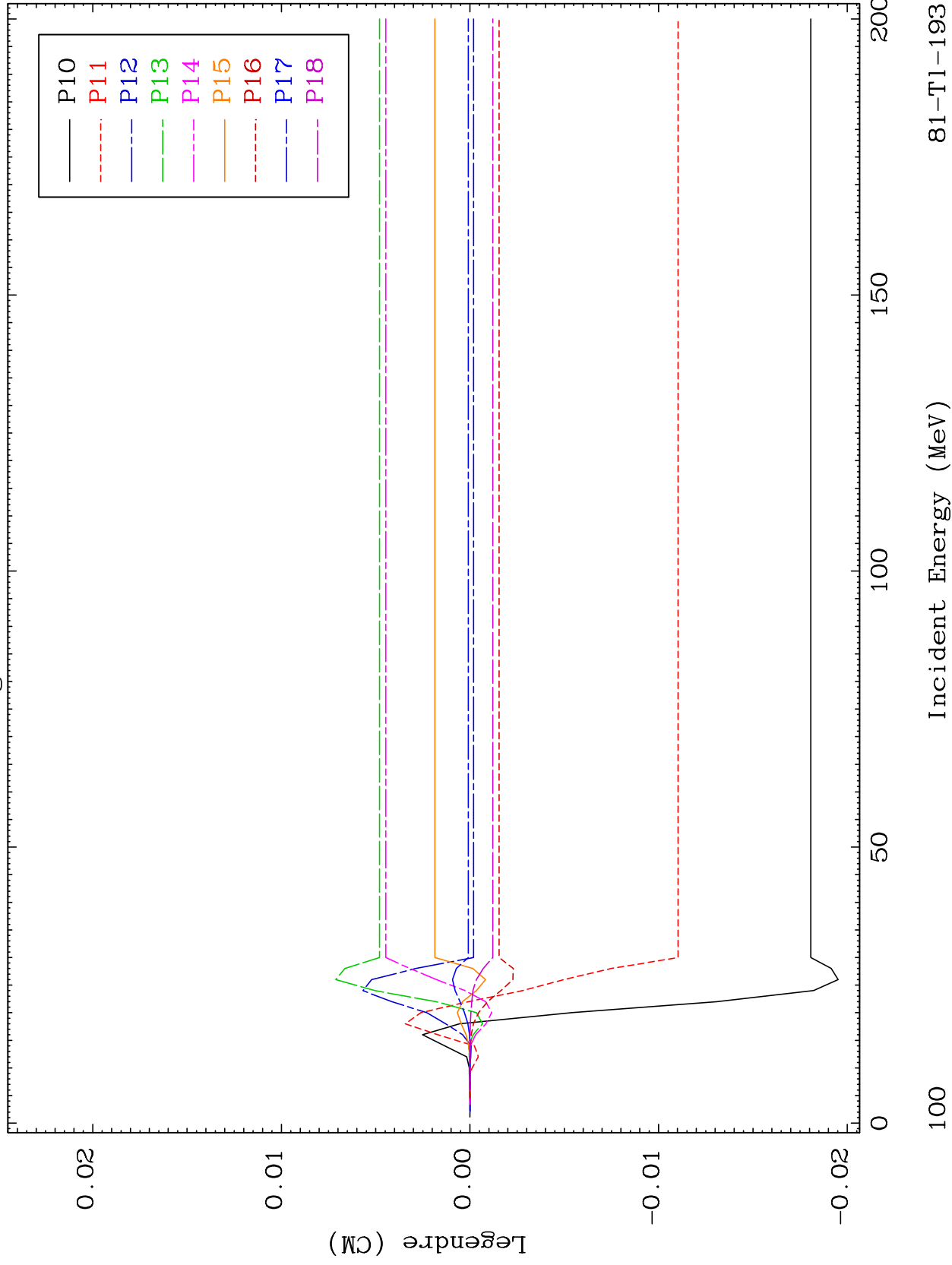
81-Tl-193



MAT 8095

1.090 MeV (n,n') Level  
Legendre Coefficients

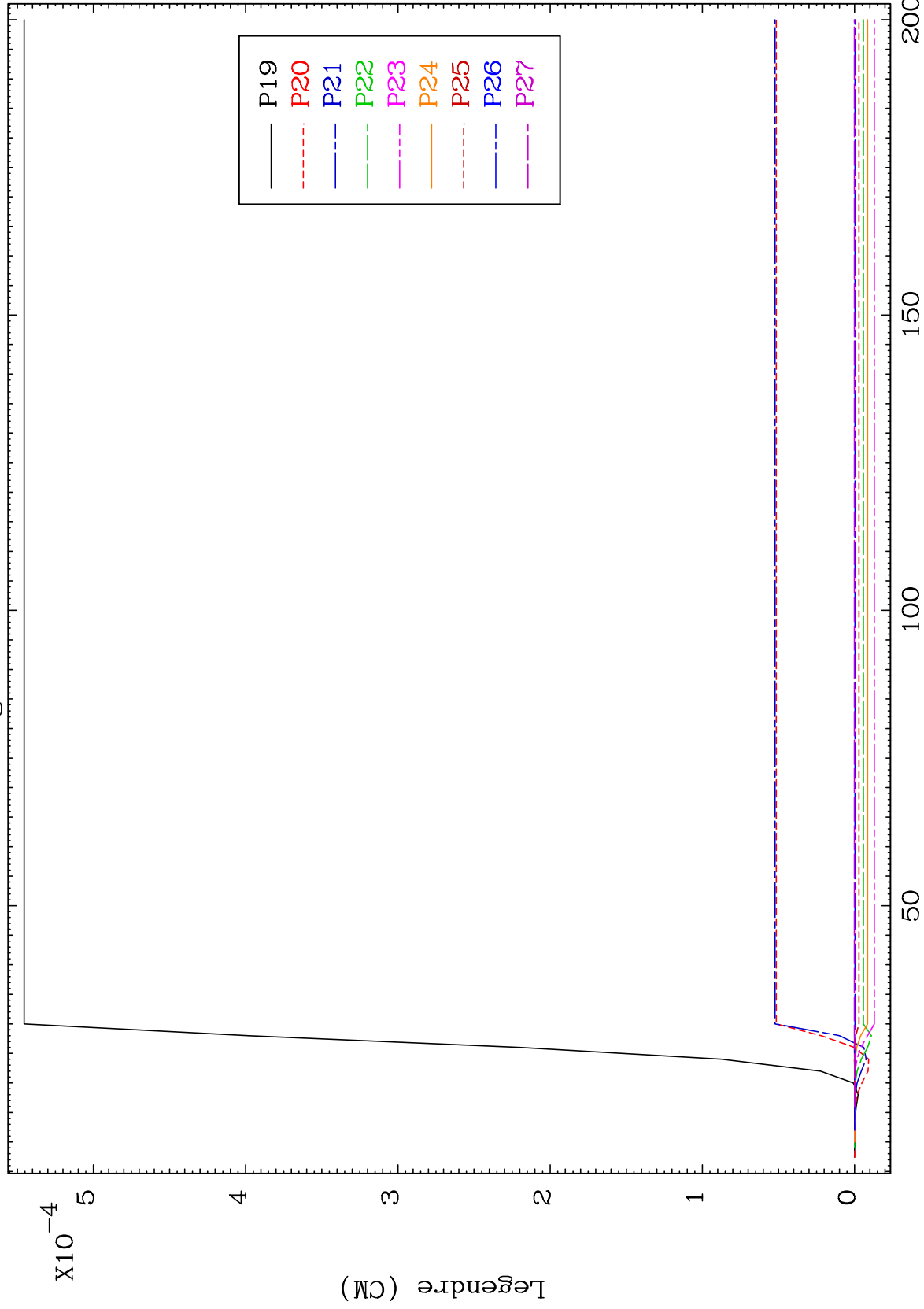
81-Tl-193



MAT 8095

1.090 MeV (n,n') Level  
Legendre Coefficients

81-T1-193



101

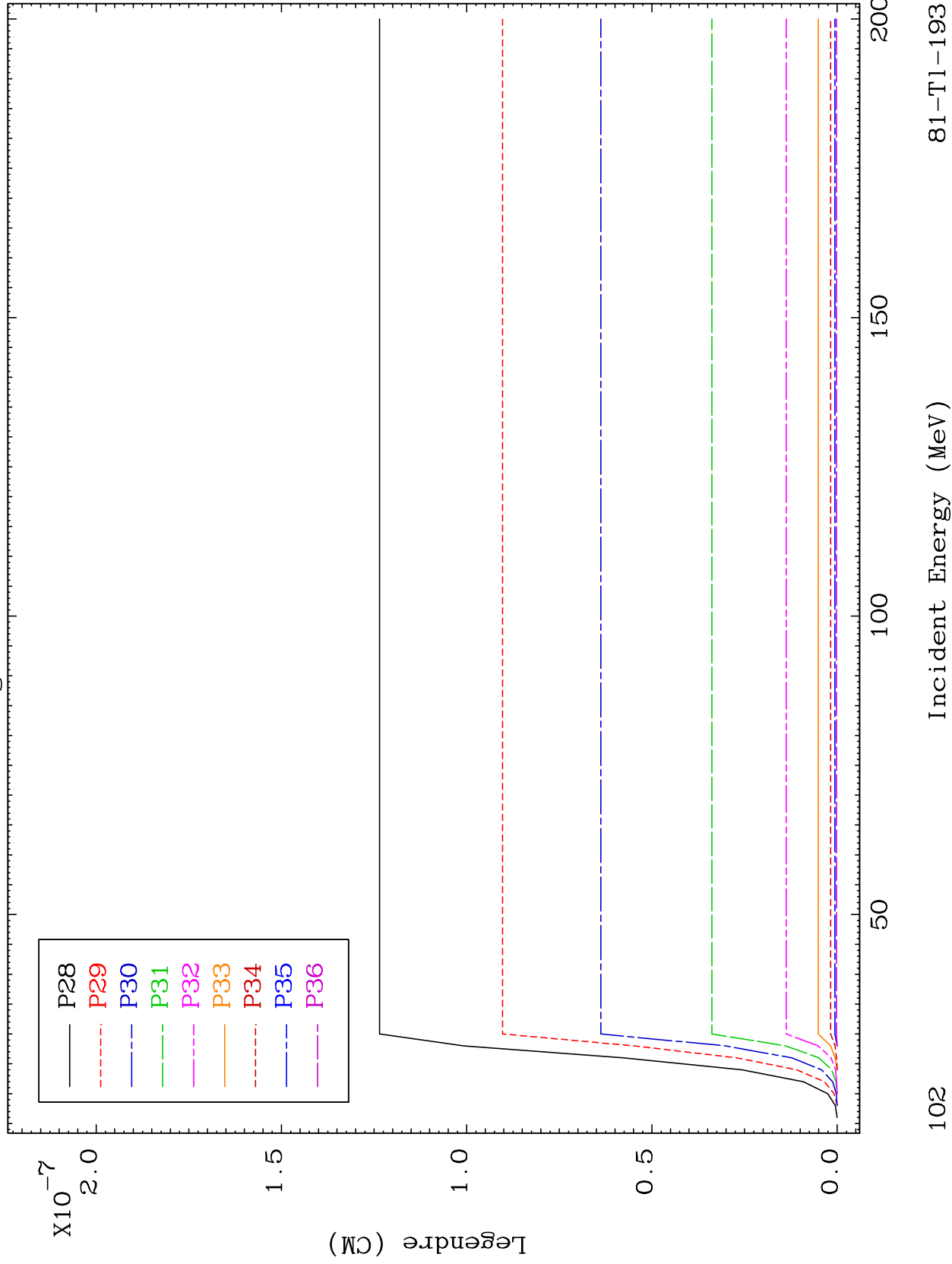
Incident Energy (MeV)

81-T1-193

MAT 8095

1.090 MeV (n,n') Level  
Legendre Coefficients

81-Tl-193



102

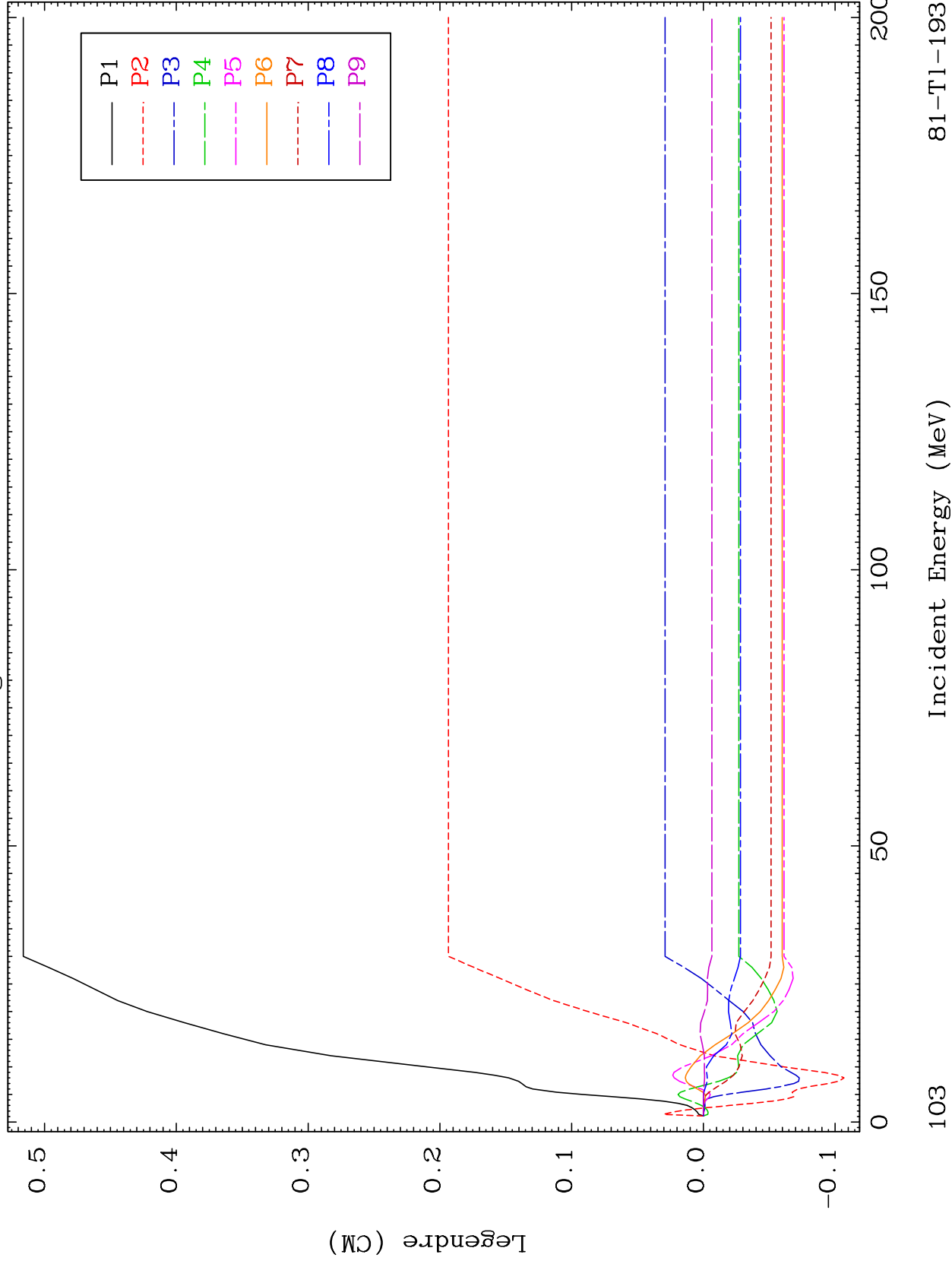
Incident Energy (MeV)

81-Tl-193

MAT 8095

1.091 MeV (n,n') Level  
Legendre Coefficients

81-Tl-193



81-Tl-193

Incident Energy (MeV)

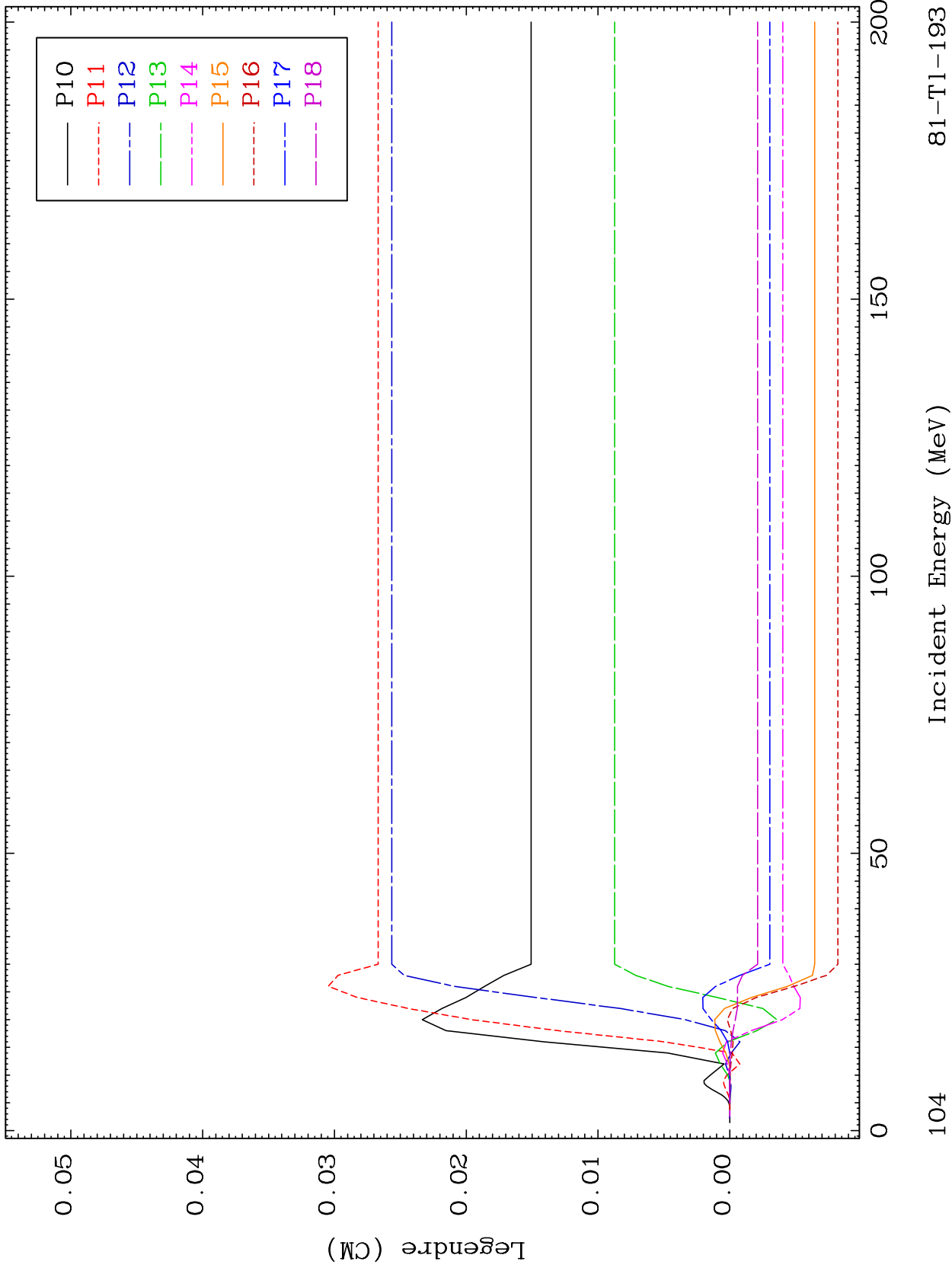
103



MAT 8095

1.091 MeV (n,n') Level  
Legendre Coefficients

81-Tl-193



104

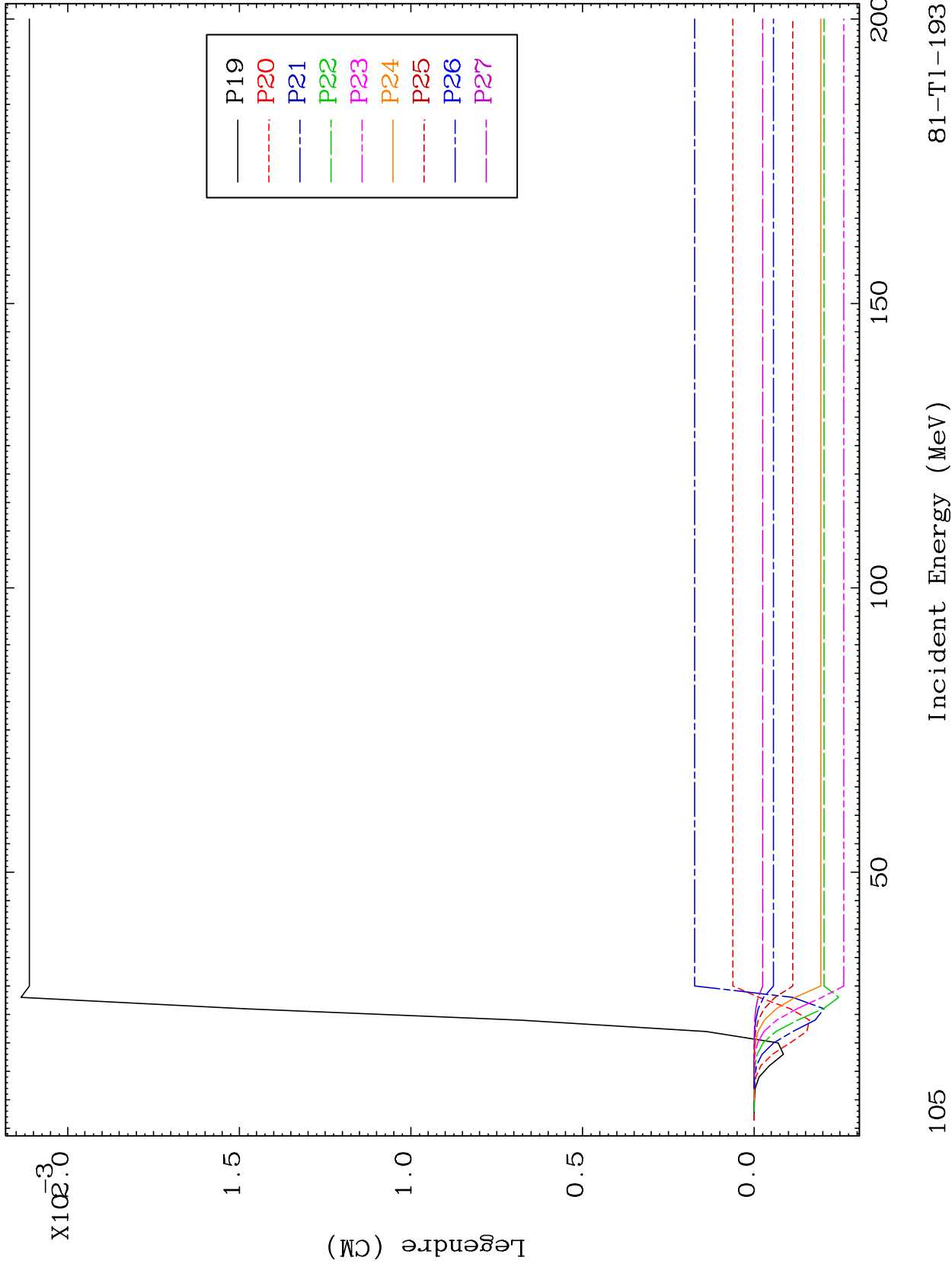
Incident Energy (MeV)

81-Tl-193

MAT 8095

1.091 MeV (n,n') Level  
Legendre Coefficients

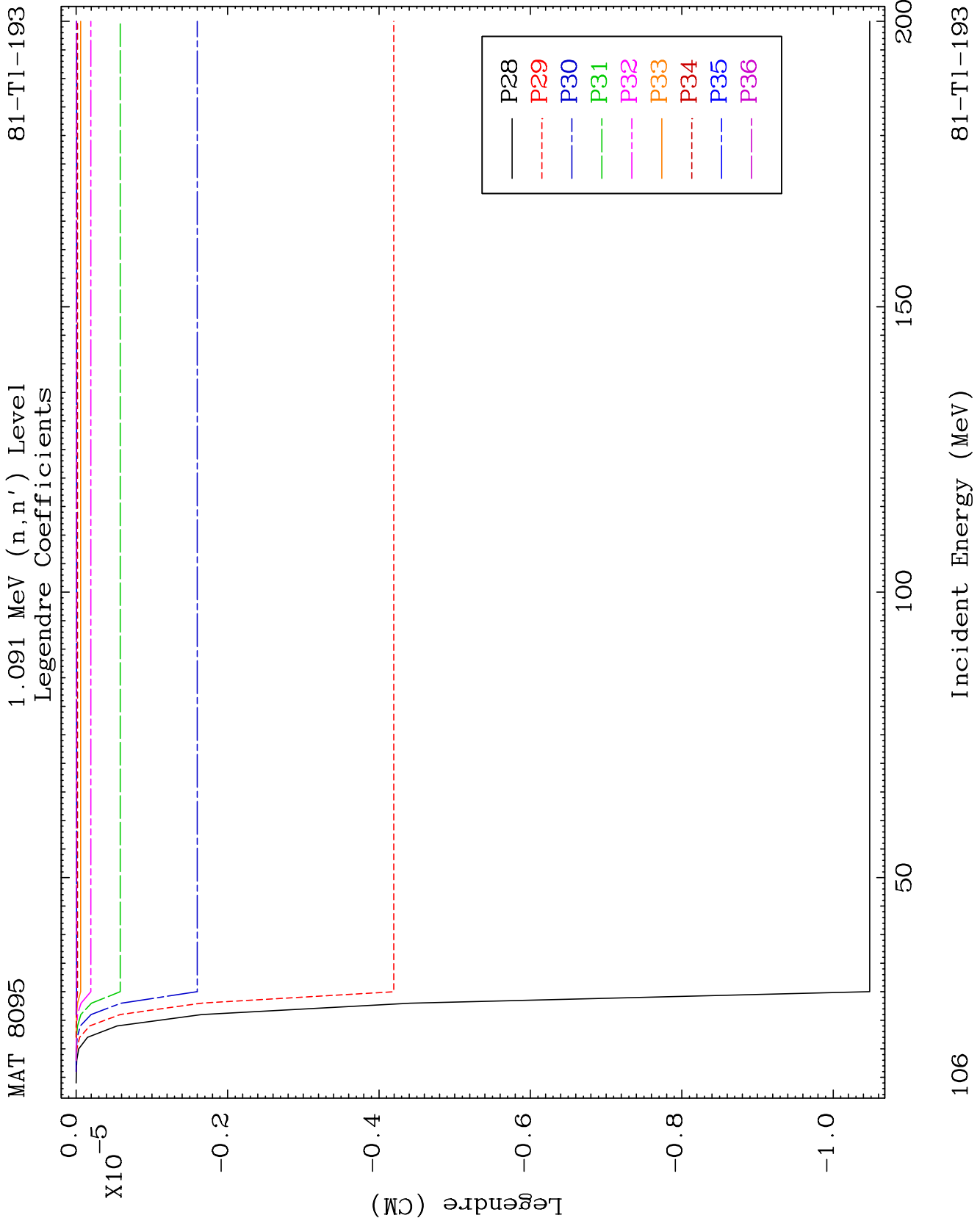
81-Tl-193



105

Incident Energy (MeV)

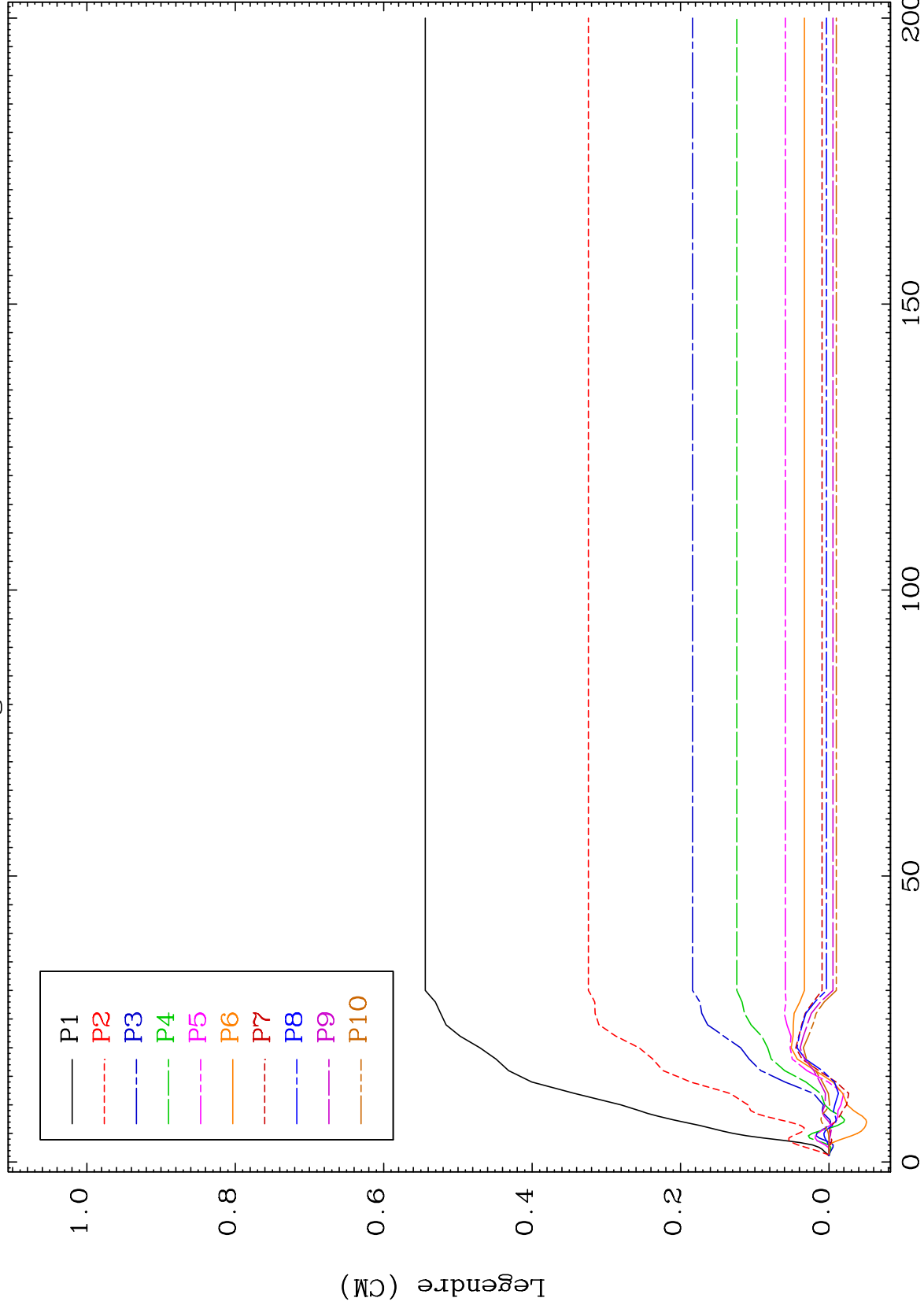
81-Tl-193



MAT 8095

1.098 MeV (n,n') Level  
Legendre Coefficients

81-T1-193



107

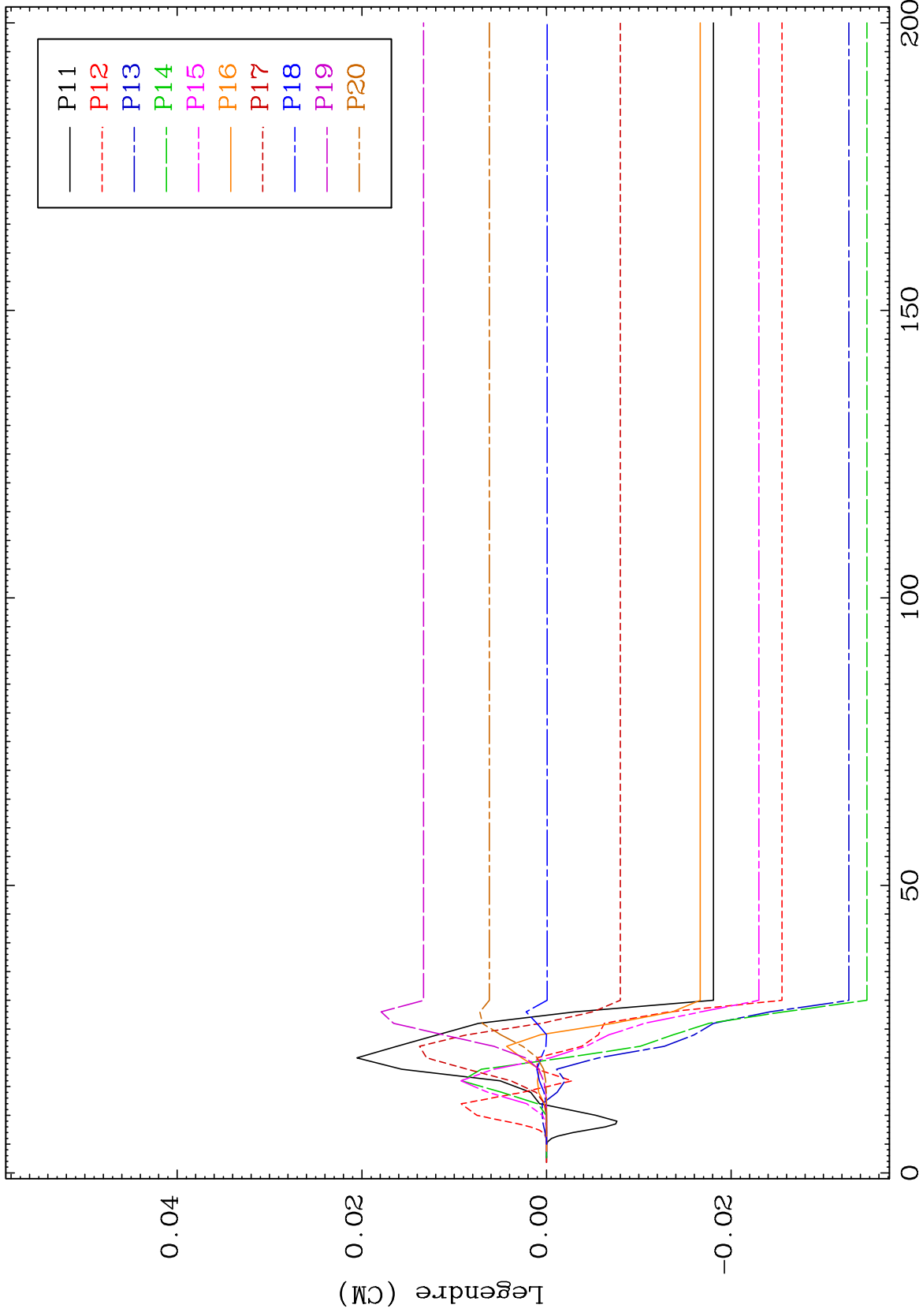
Incident Energy (MeV)

81-T1-193

MAT 8095

1.098 MeV (n,n') Level  
Legendre Coefficients

81-T1-193



108

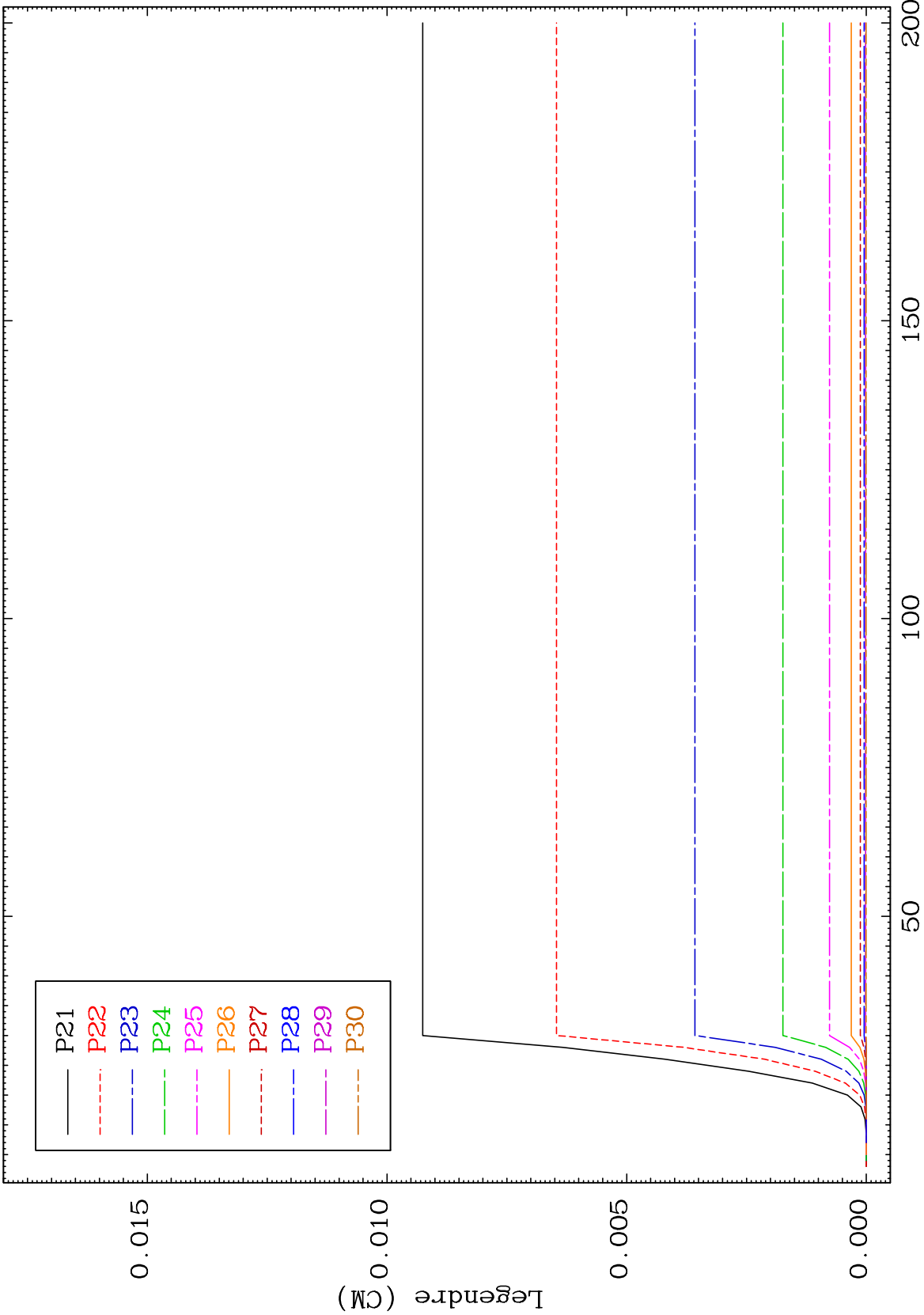
Incident Energy (MeV)

81-T1-193

MAT 8095

1.098 MeV (n,n') Level  
Legendre Coefficients

81-T1-193



109

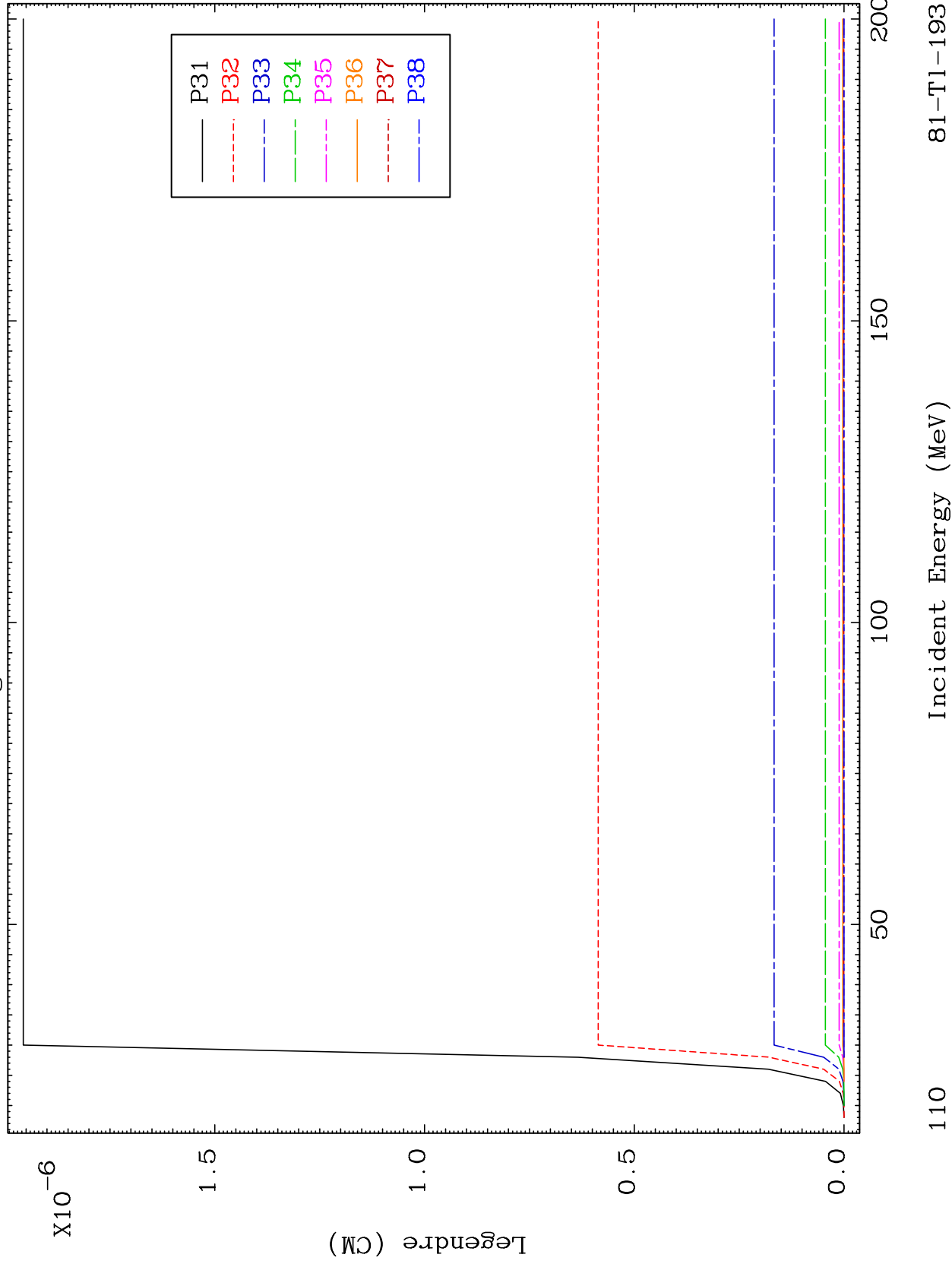
Incident Energy (MeV)

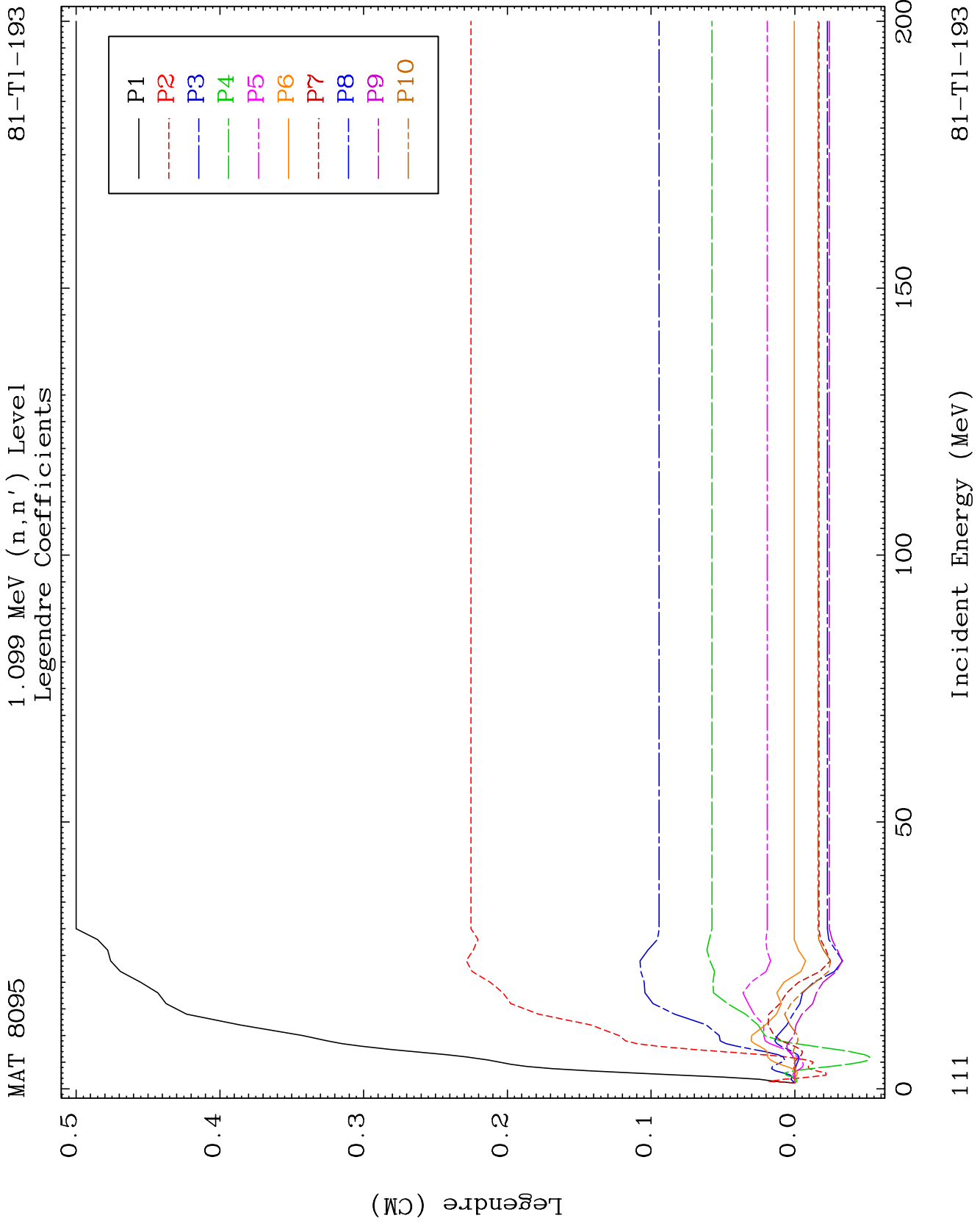
81-T1-193

MAT 8095

1.098 MeV (n,n') Level  
Legendre Coefficients

81-T1-193



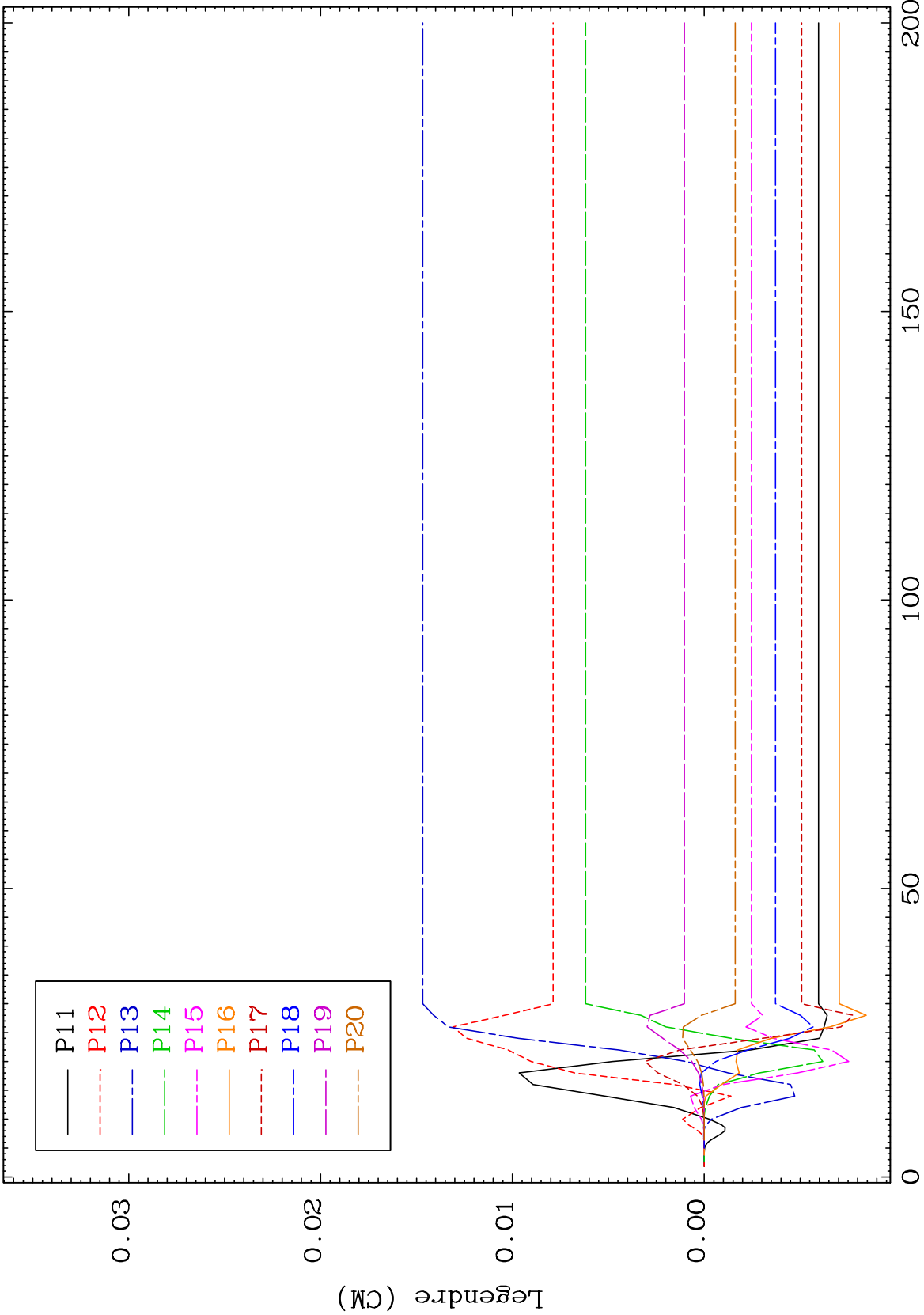




MAT 8095

1.099 MeV (n,n') Level  
Legendre Coefficients

81-T1-193



112

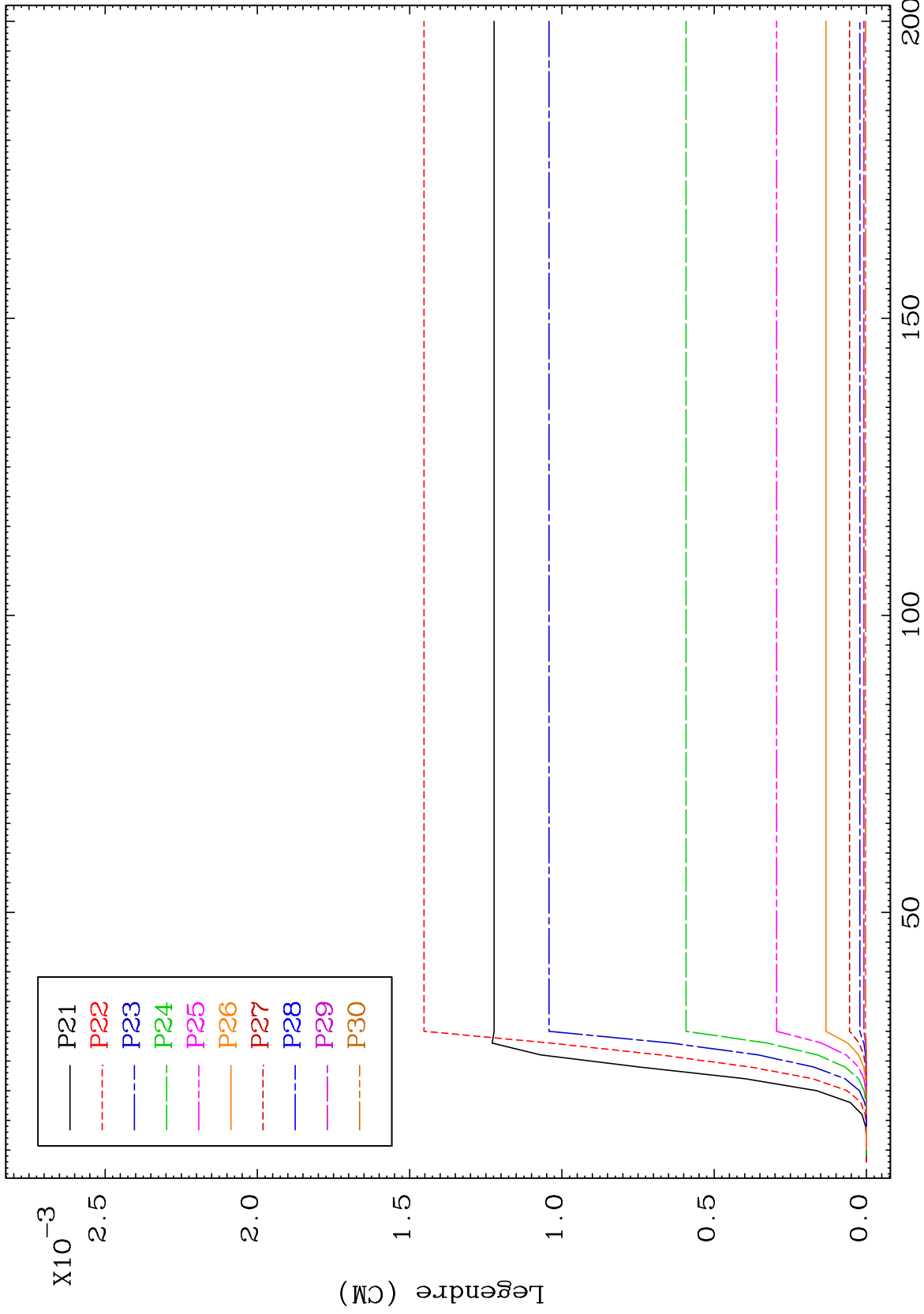
Incident Energy (MeV)

81-T1-193

MAT 8095

1.099 MeV (n,n') Level  
Legendre Coefficients

81-T1-193



113

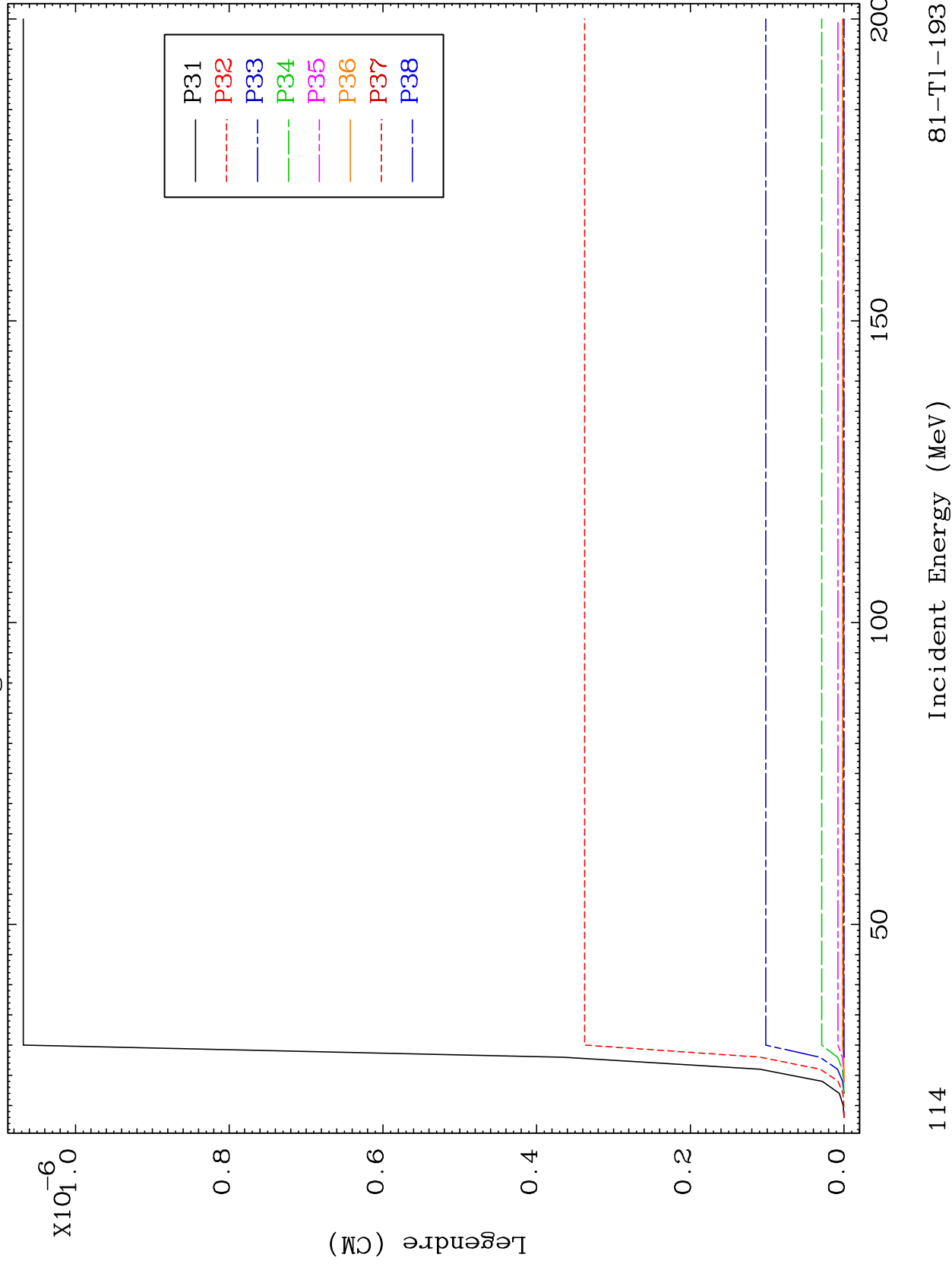
Incident Energy (MeV)

81-T1-193

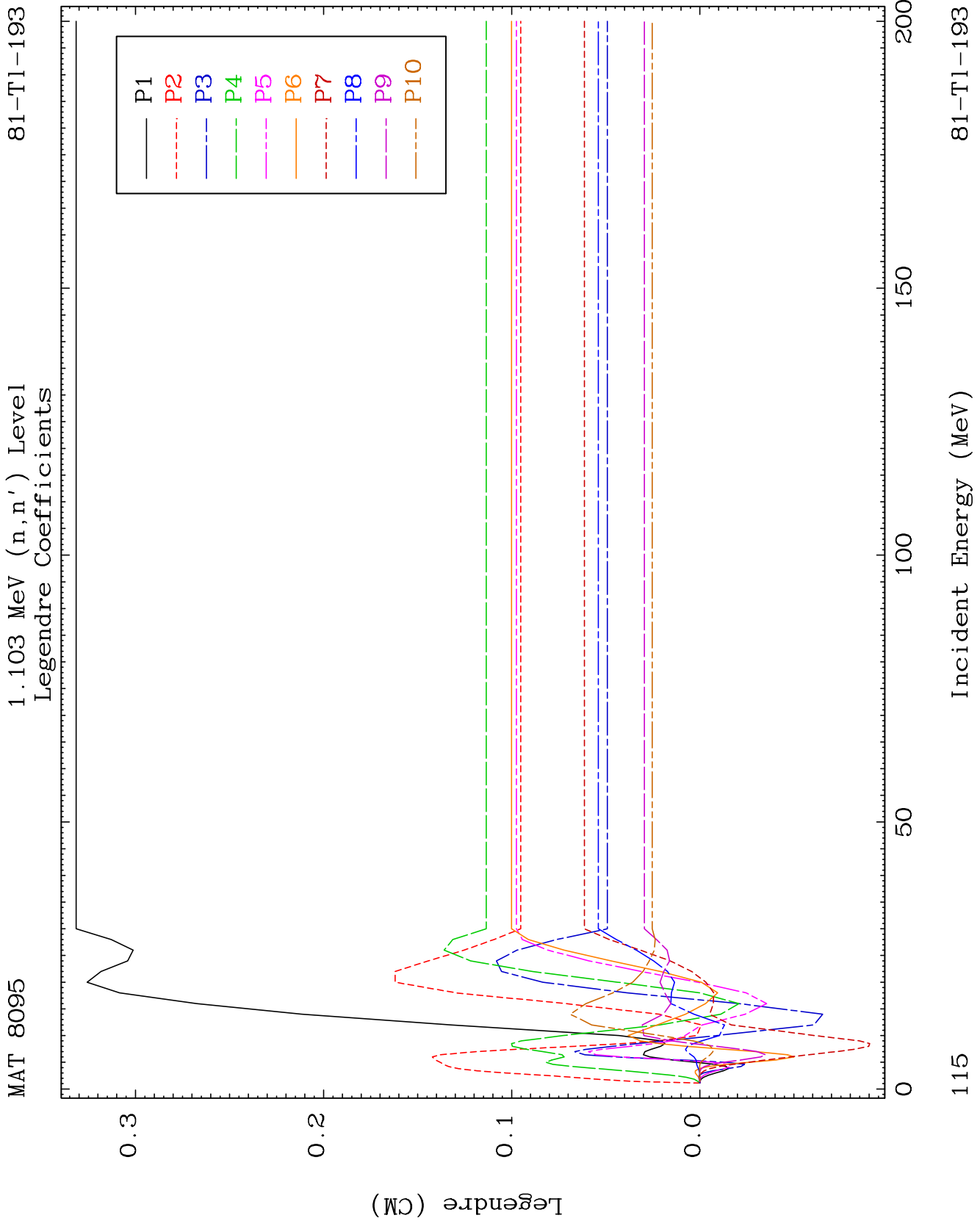
MAT 8095

1.099 MeV (n,n') Level  
Legendre Coefficients

81-T1-193



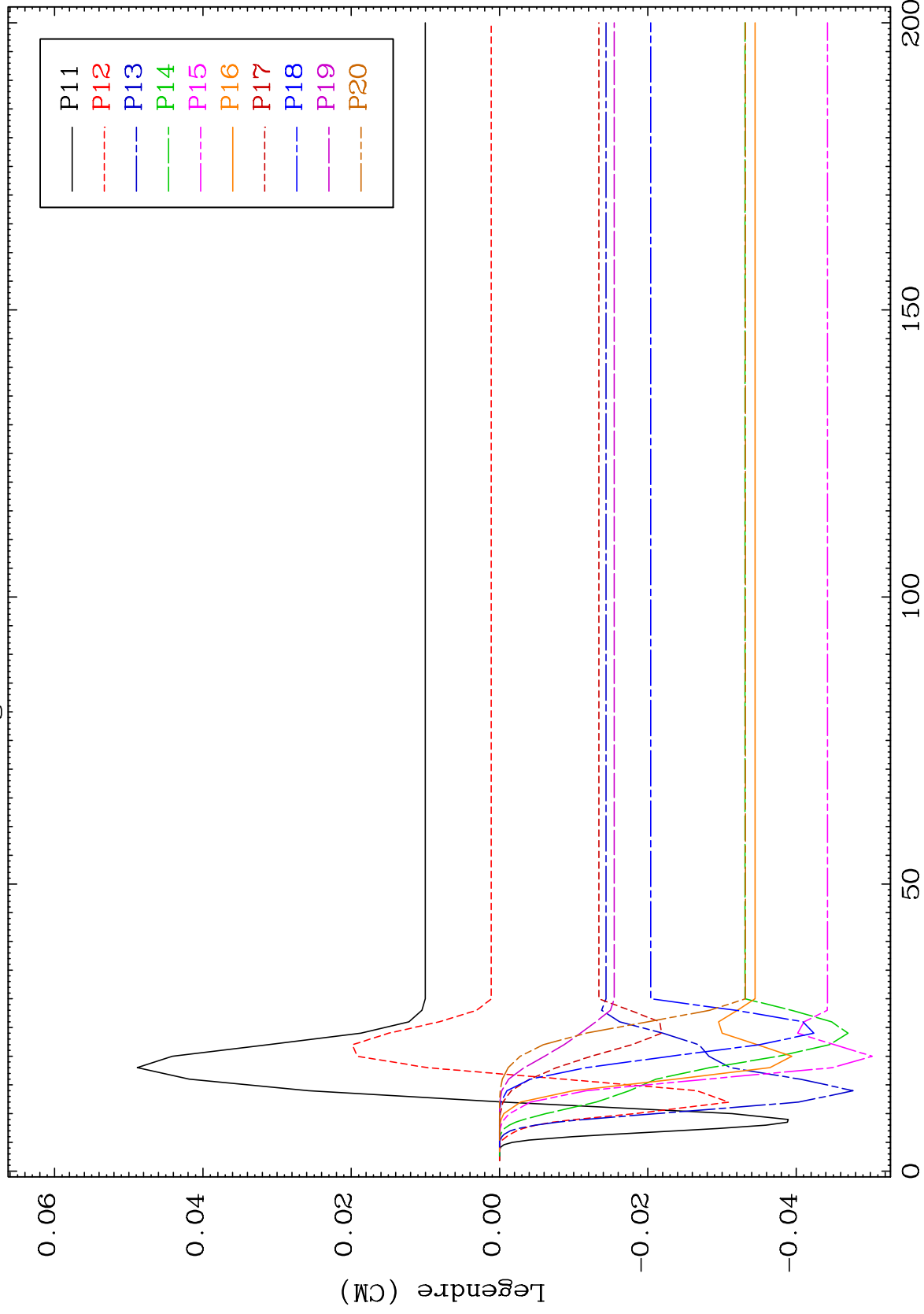
114



MAT 8095

1.103 MeV (n,n') Level  
Legendre Coefficients

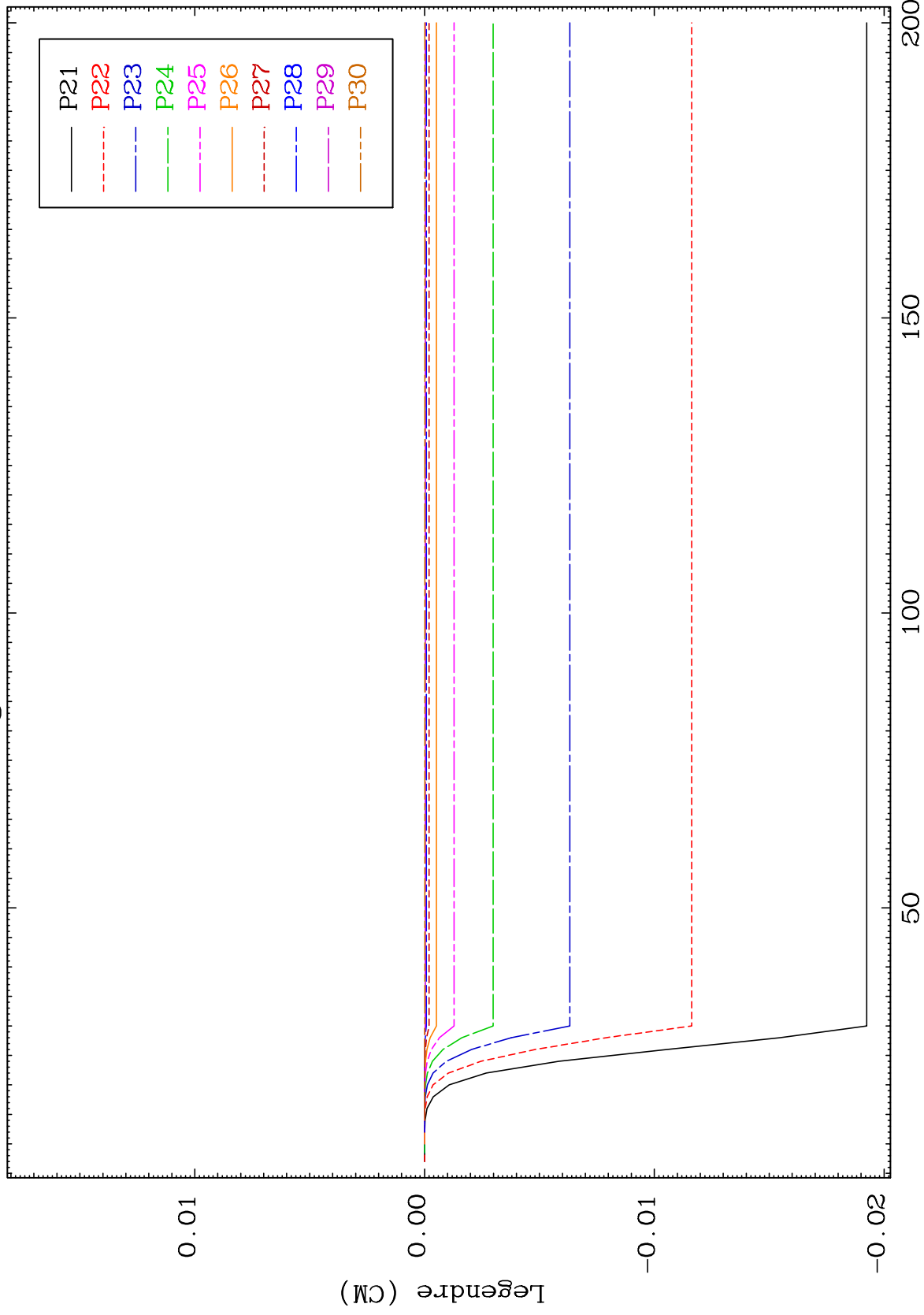
81-T1-193

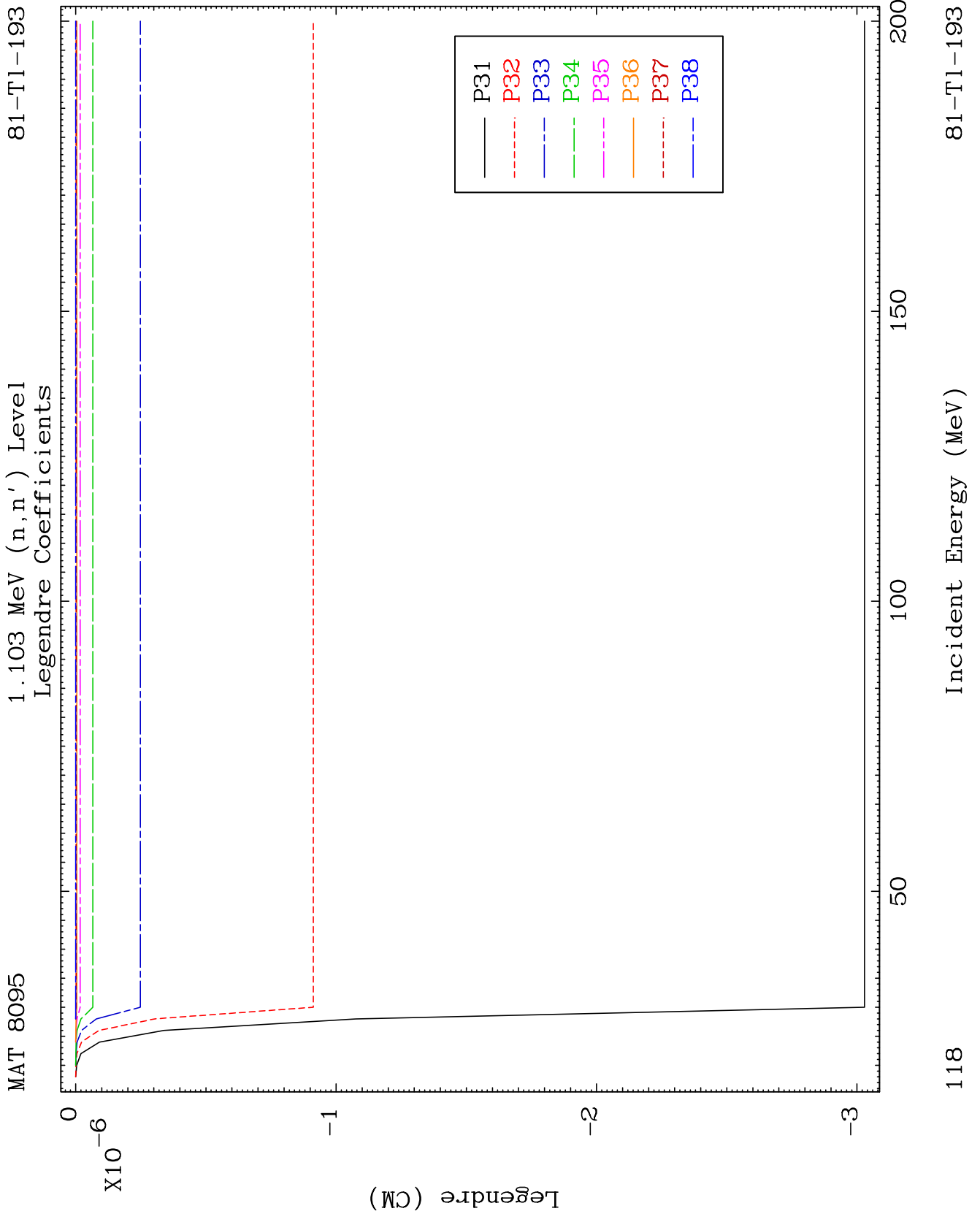


116

Incident Energy (MeV)

81-T1-193

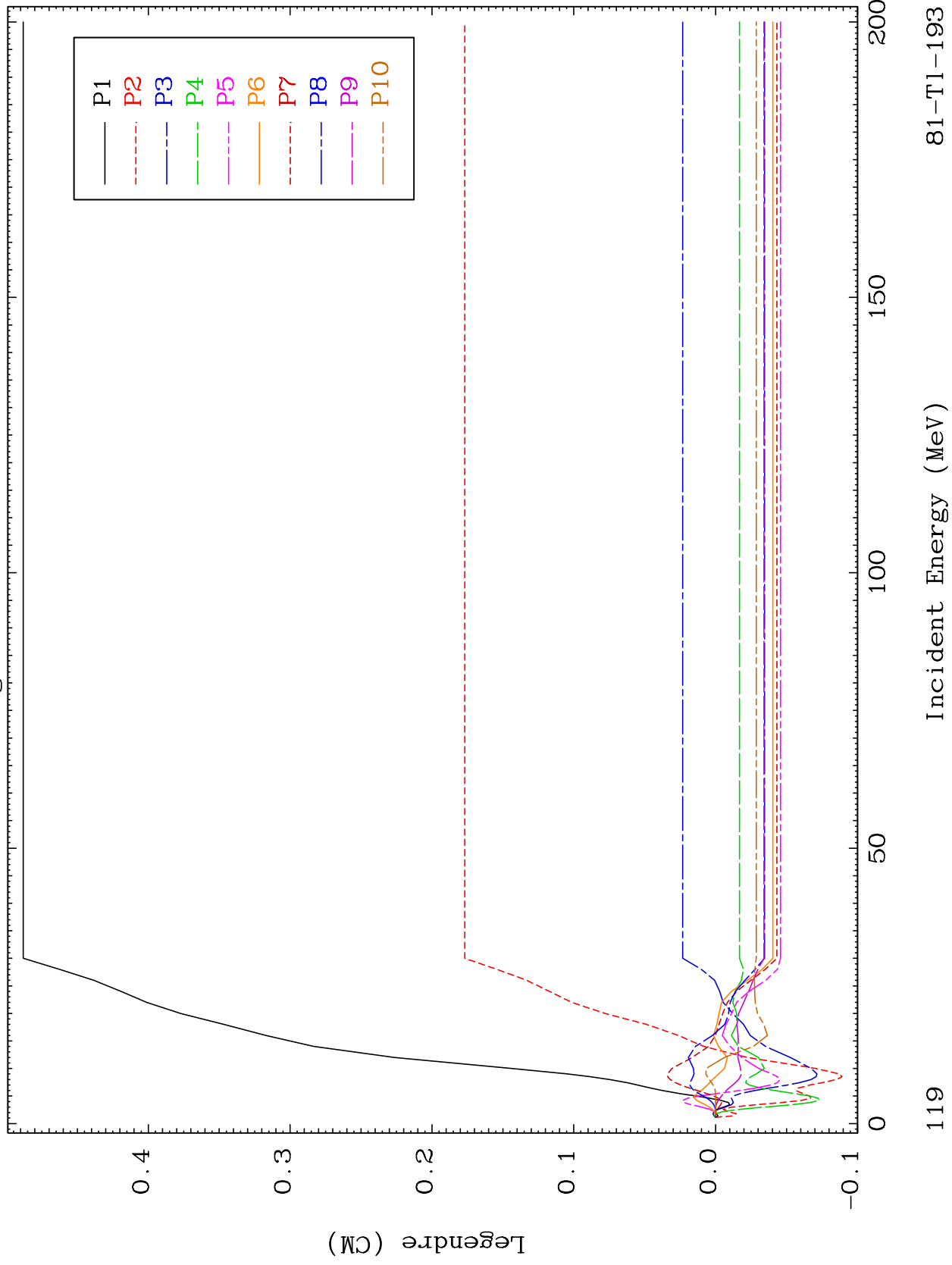




MAT 8095

1.107 MeV (n,n') Level  
Legendre Coefficients

81-Tl-193



81-Tl-193

Incident Energy (MeV)

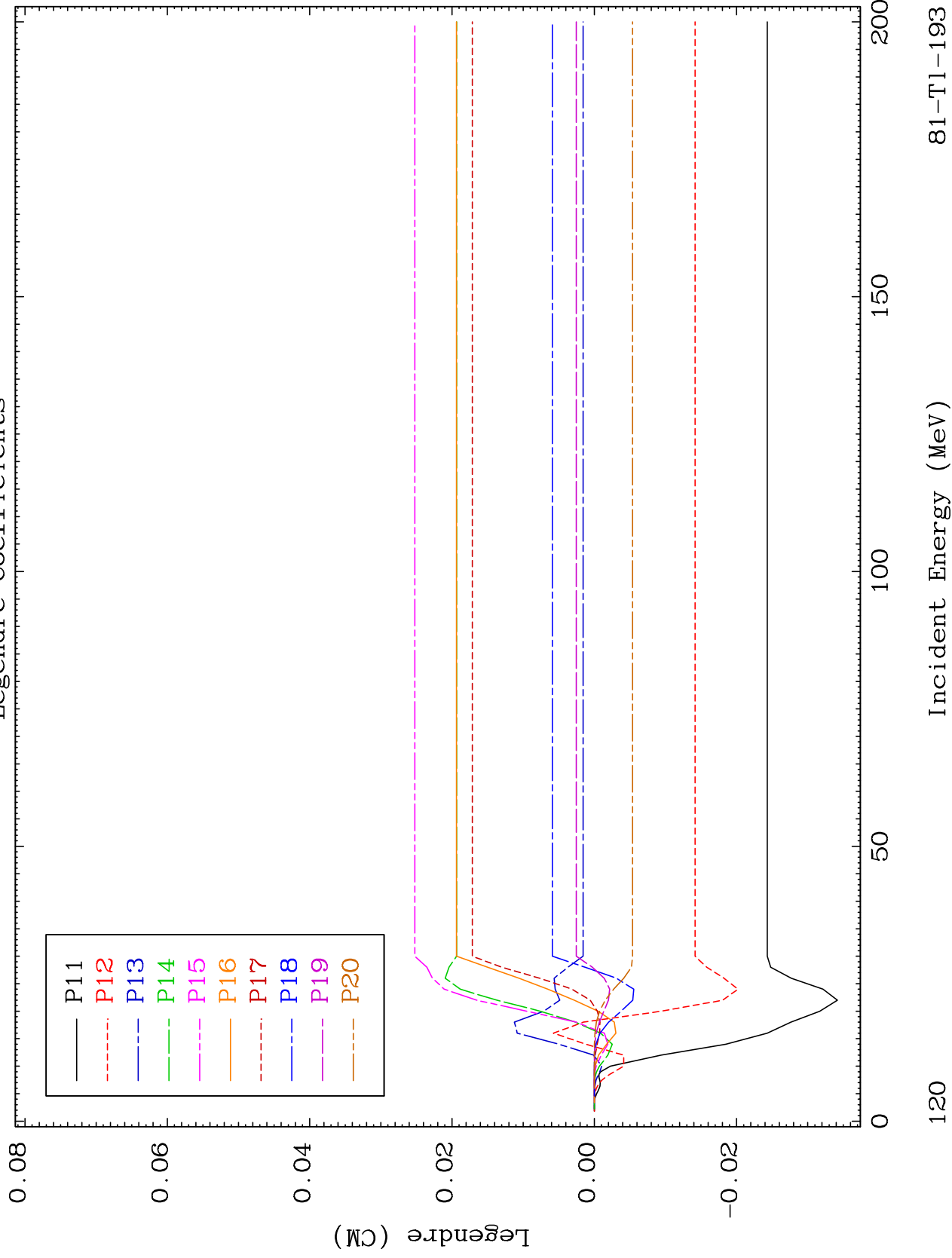
119



MAT 8095

1.107 MeV (n,n') Level  
Legendre Coefficients

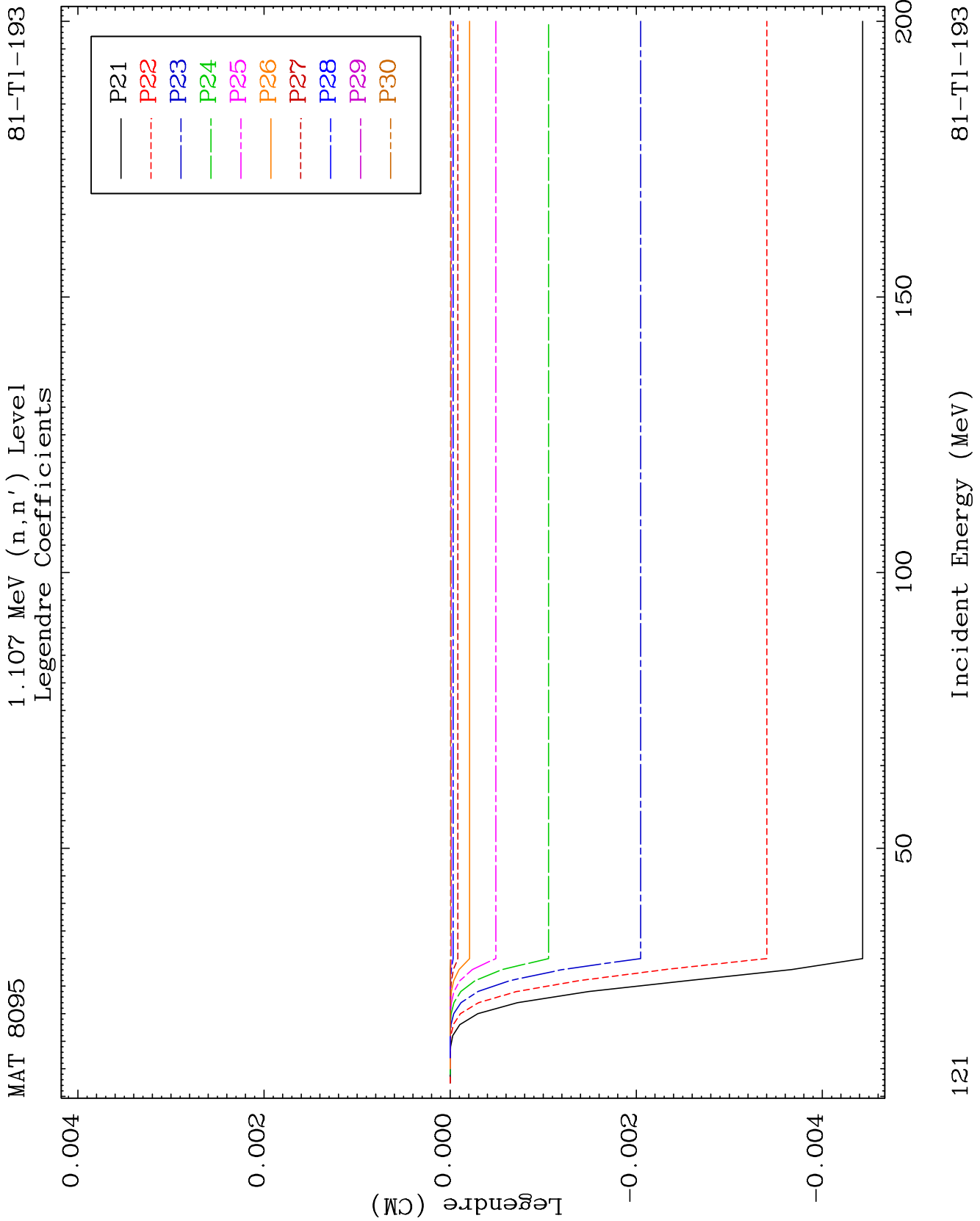
81-T1-193

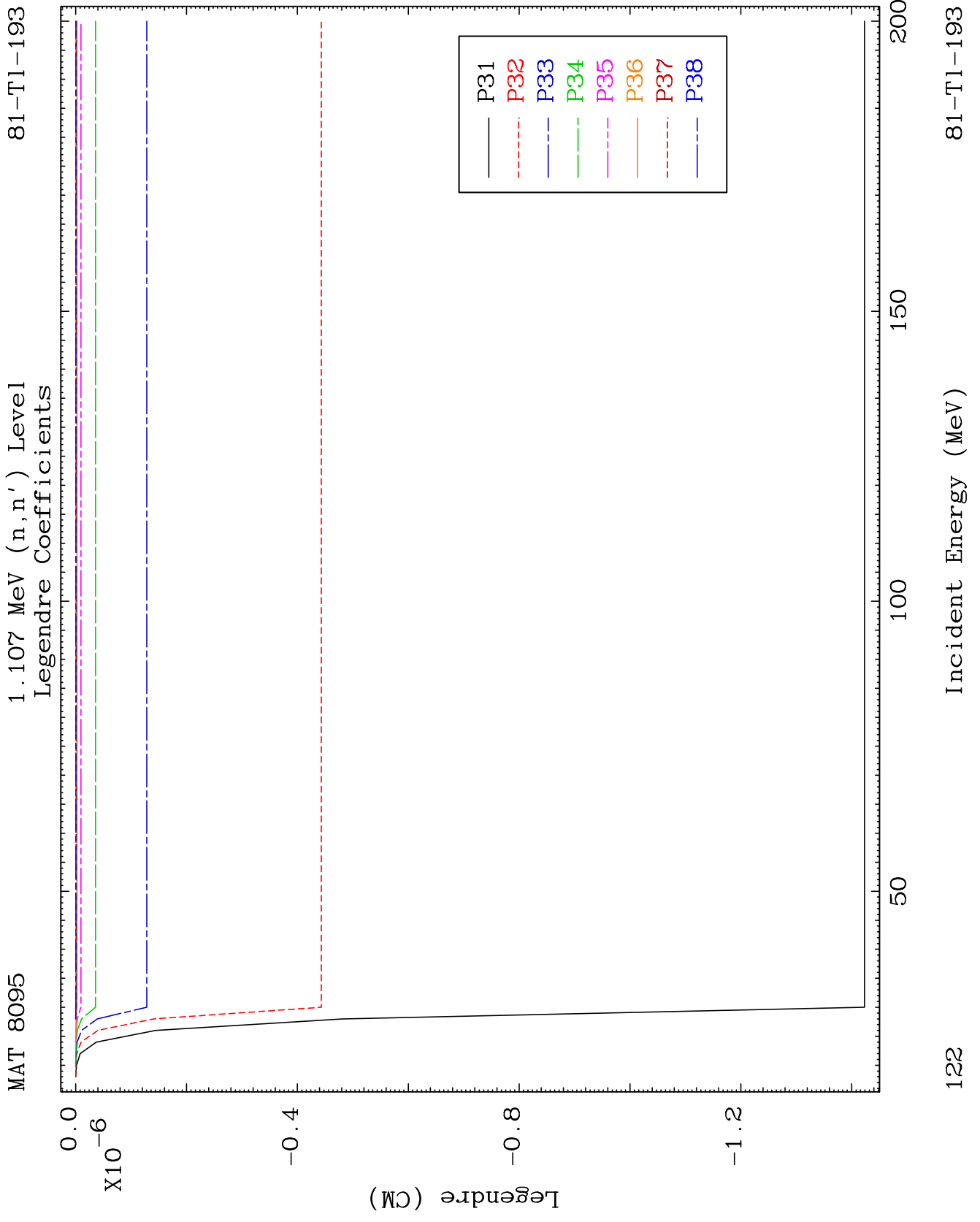


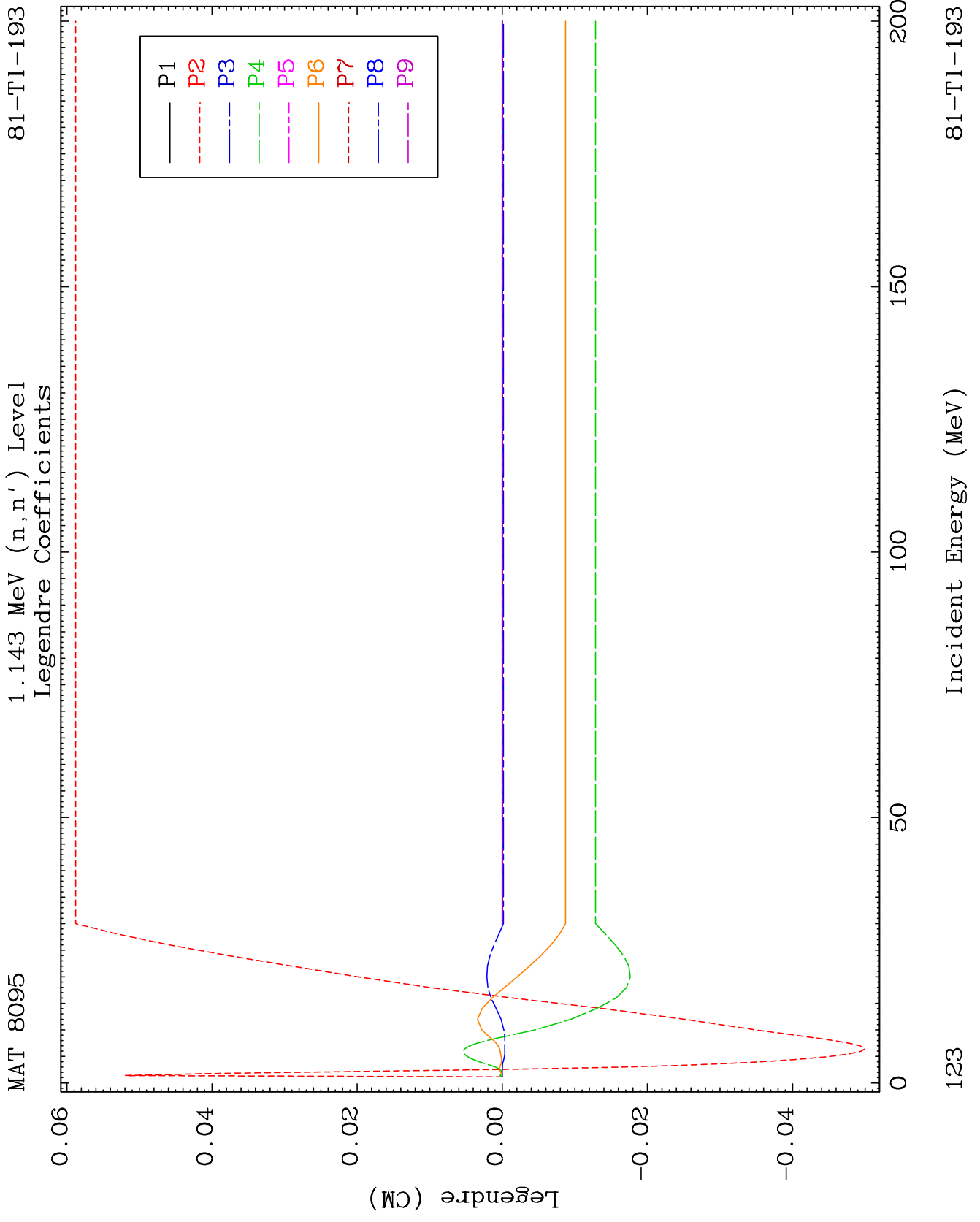
81-T1-193

Incident Energy (MeV)

120



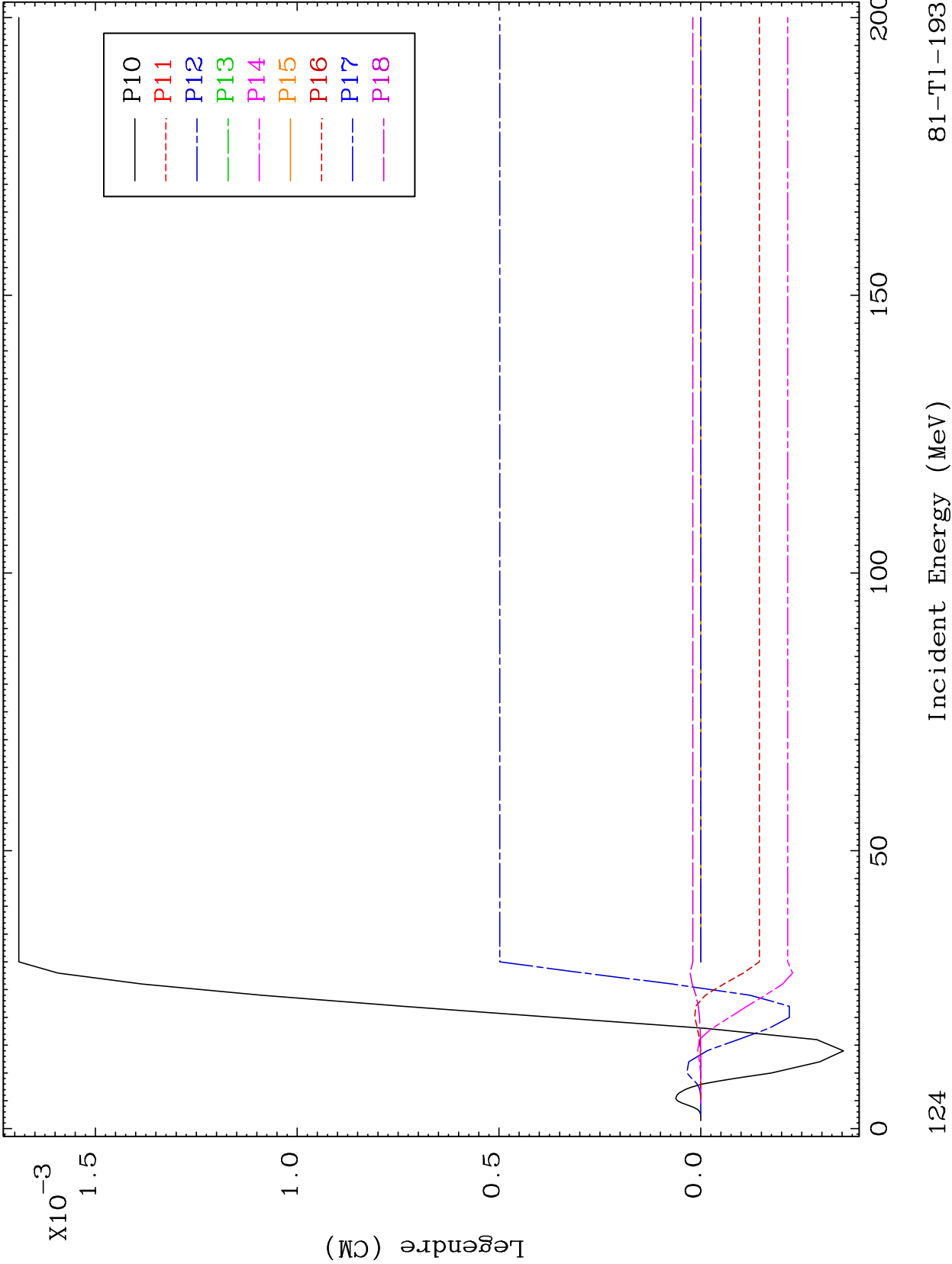




MAT 8095

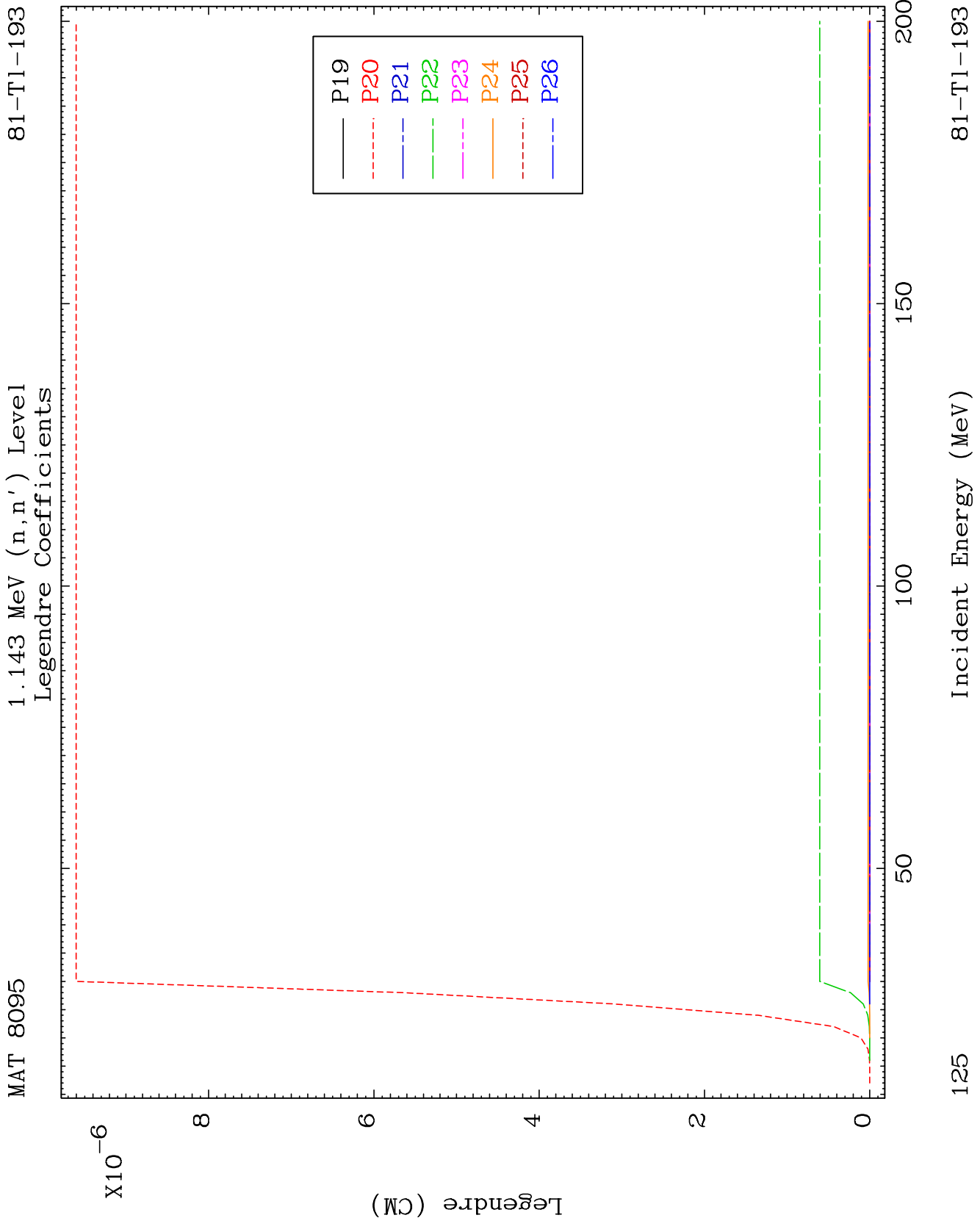
1.143 MeV (n,n') Level  
Legendre Coefficients

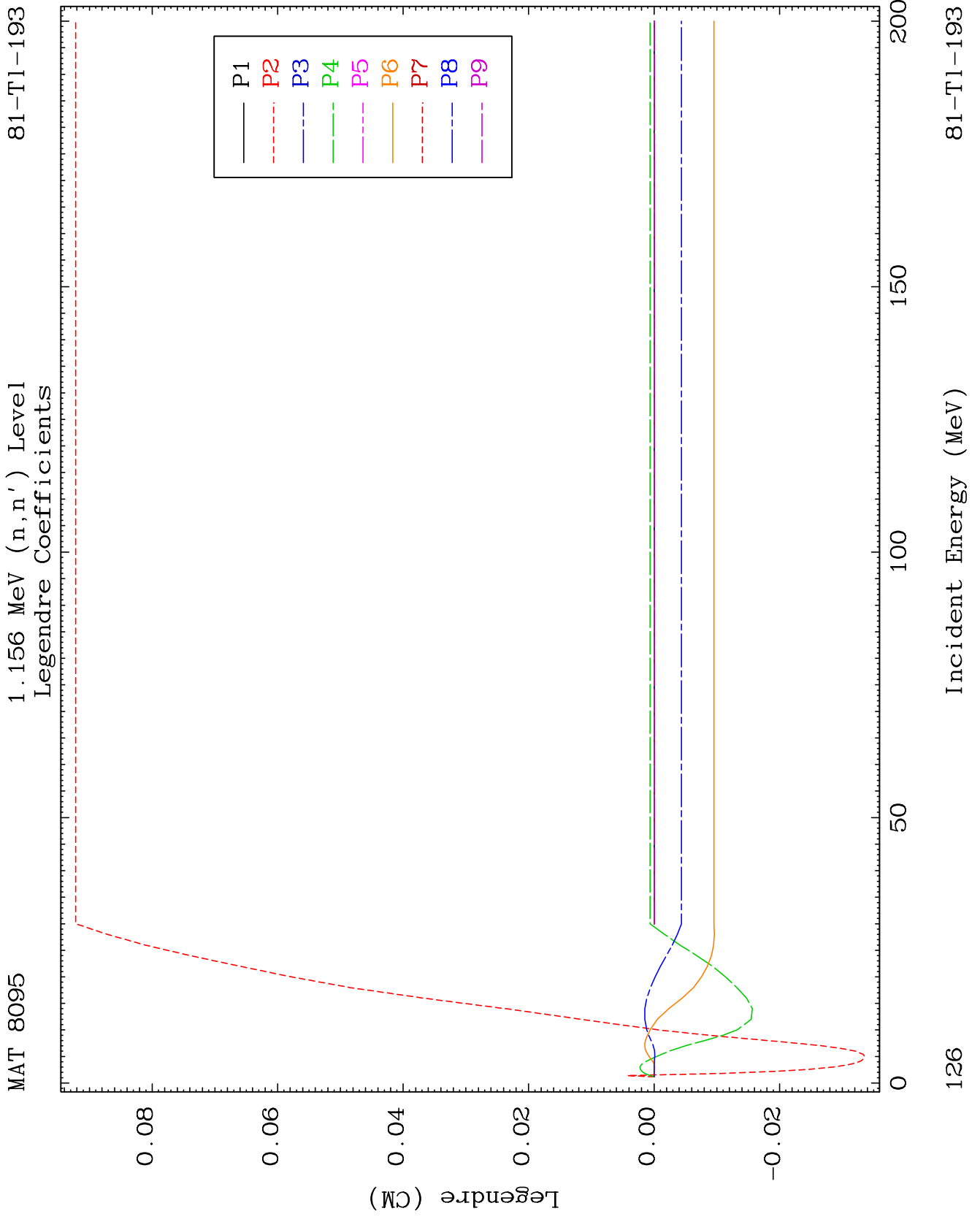
81-Tl-193

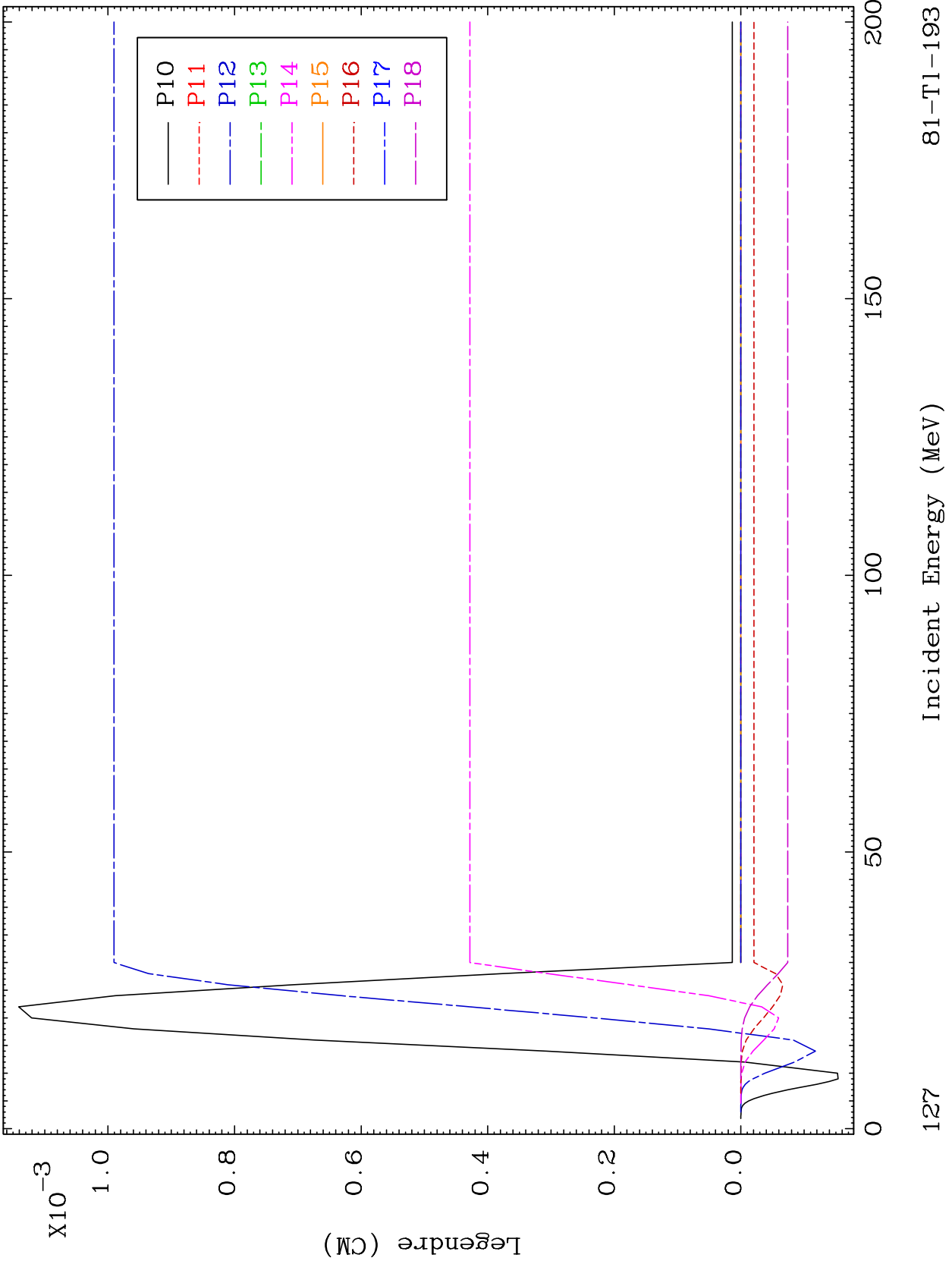


124

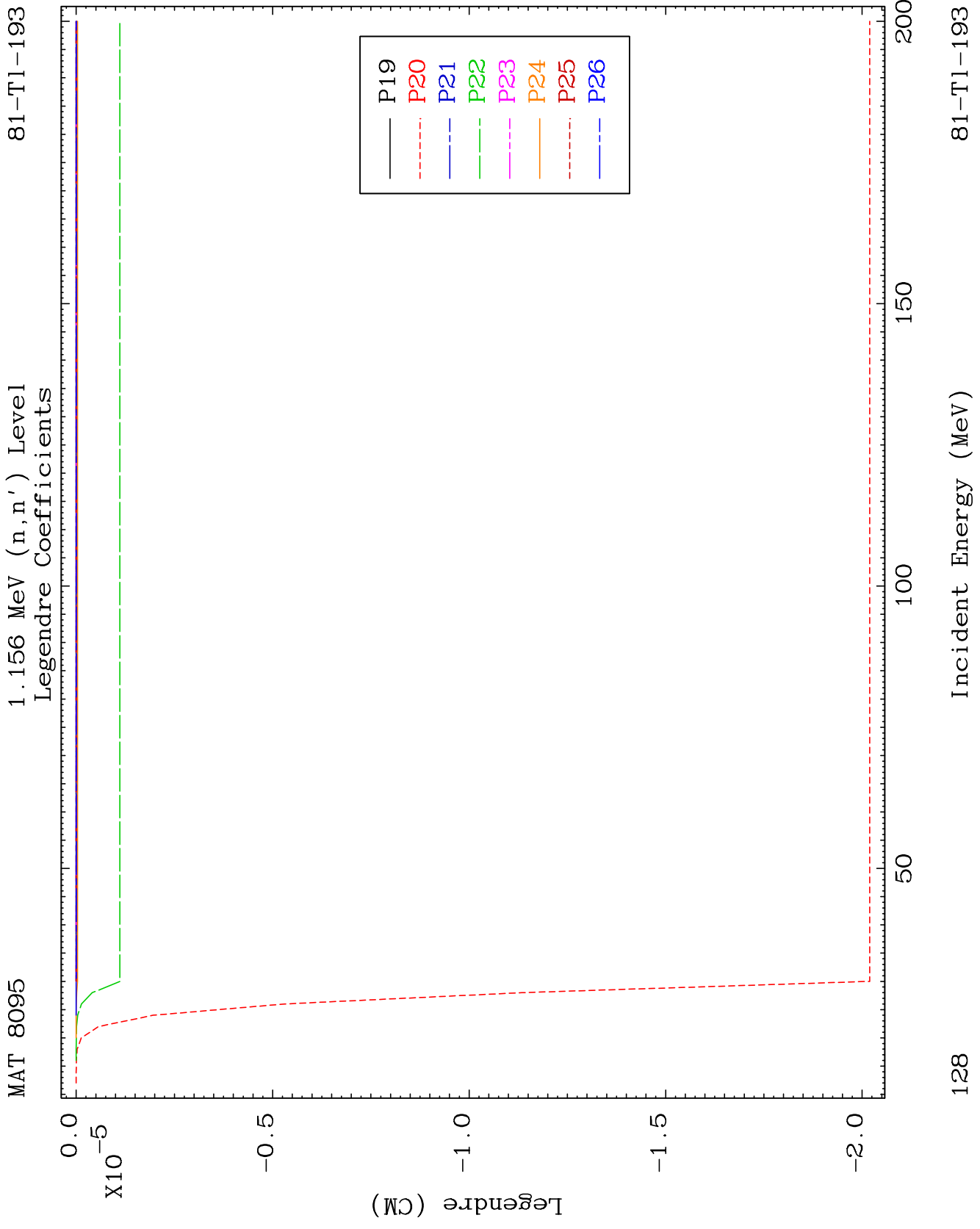
81-Tl-193







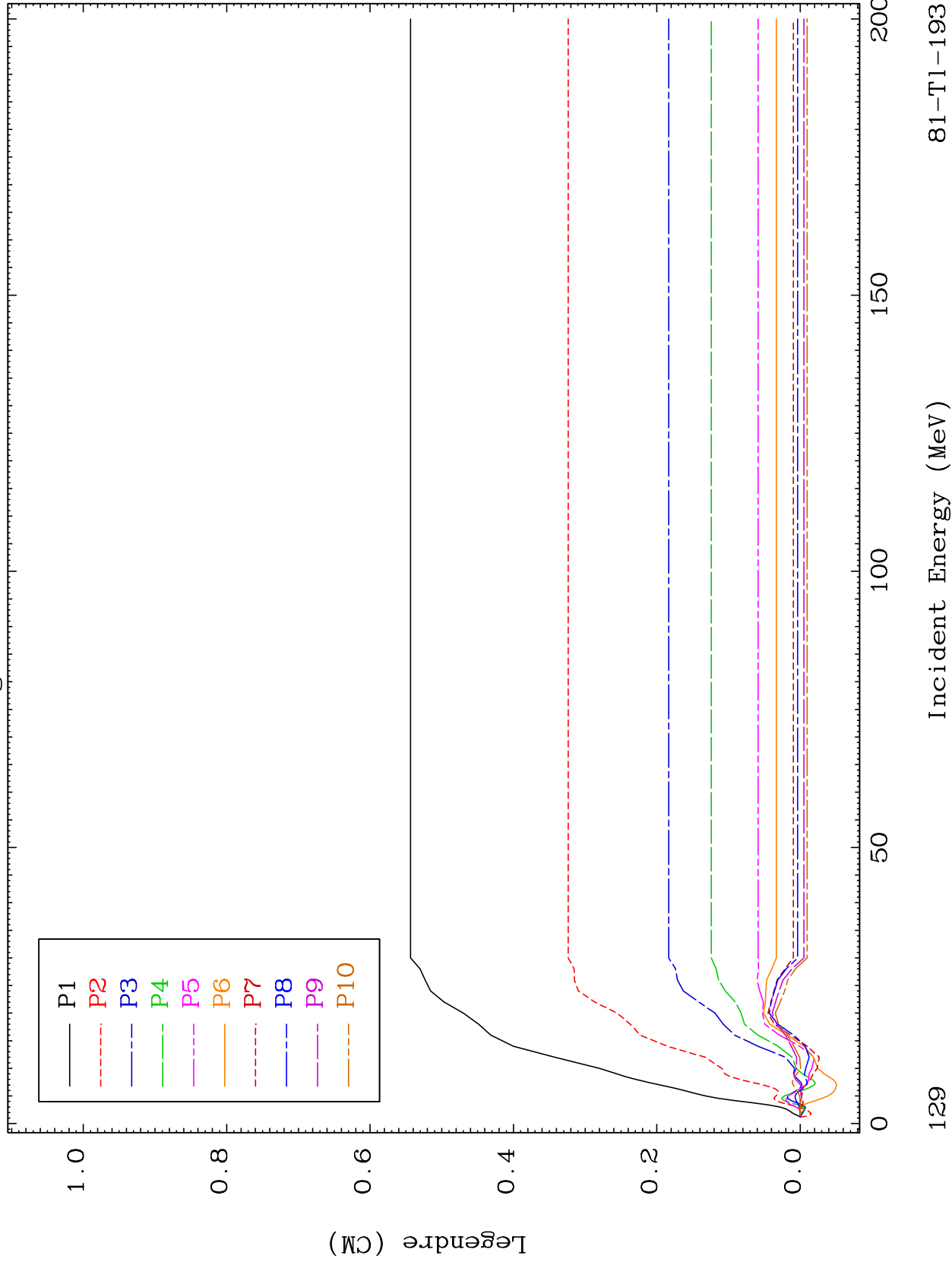




MAT 8095

1.166 MeV (n,n') Level  
Legendre Coefficients

81-T1-193



81-T1-193

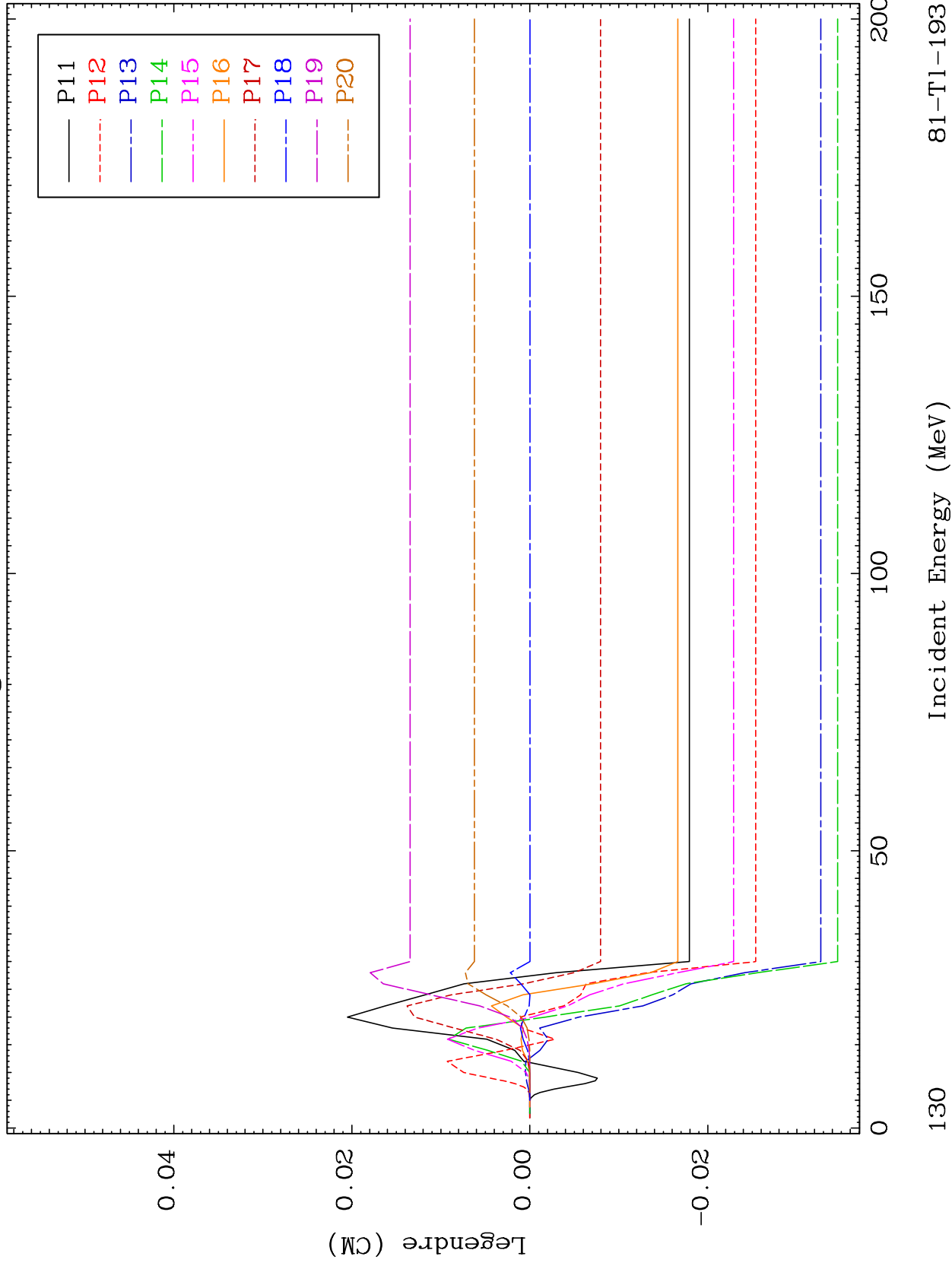
Incident Energy (MeV)

129

MAT 8095

1.166 MeV (n,n') Level  
Legendre Coefficients

81-T1-193



81-T1-193

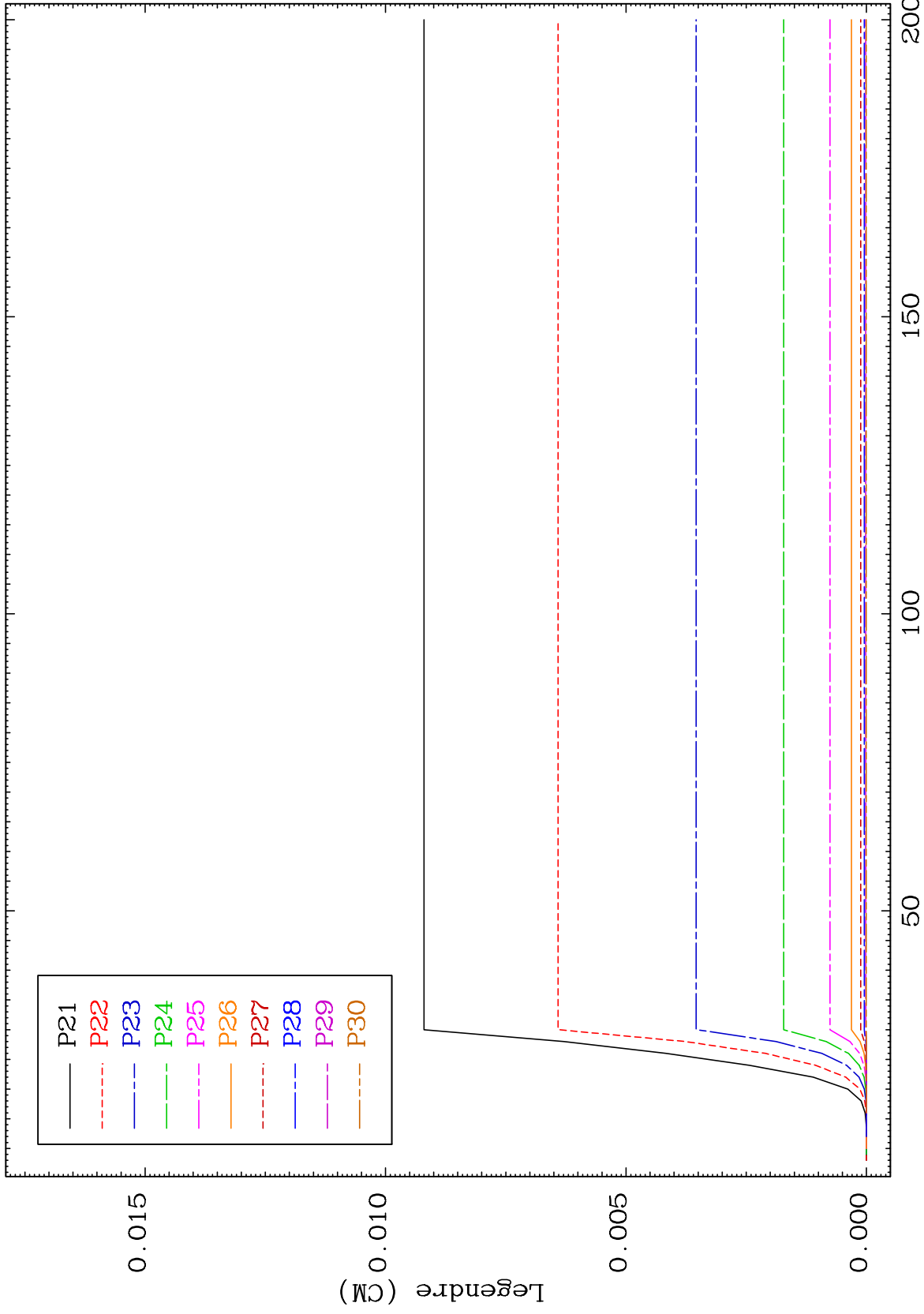
Incident Energy (MeV)

130

MAT 8095

1.166 MeV (n,n') Level  
Legendre Coefficients

81-T1-193



131

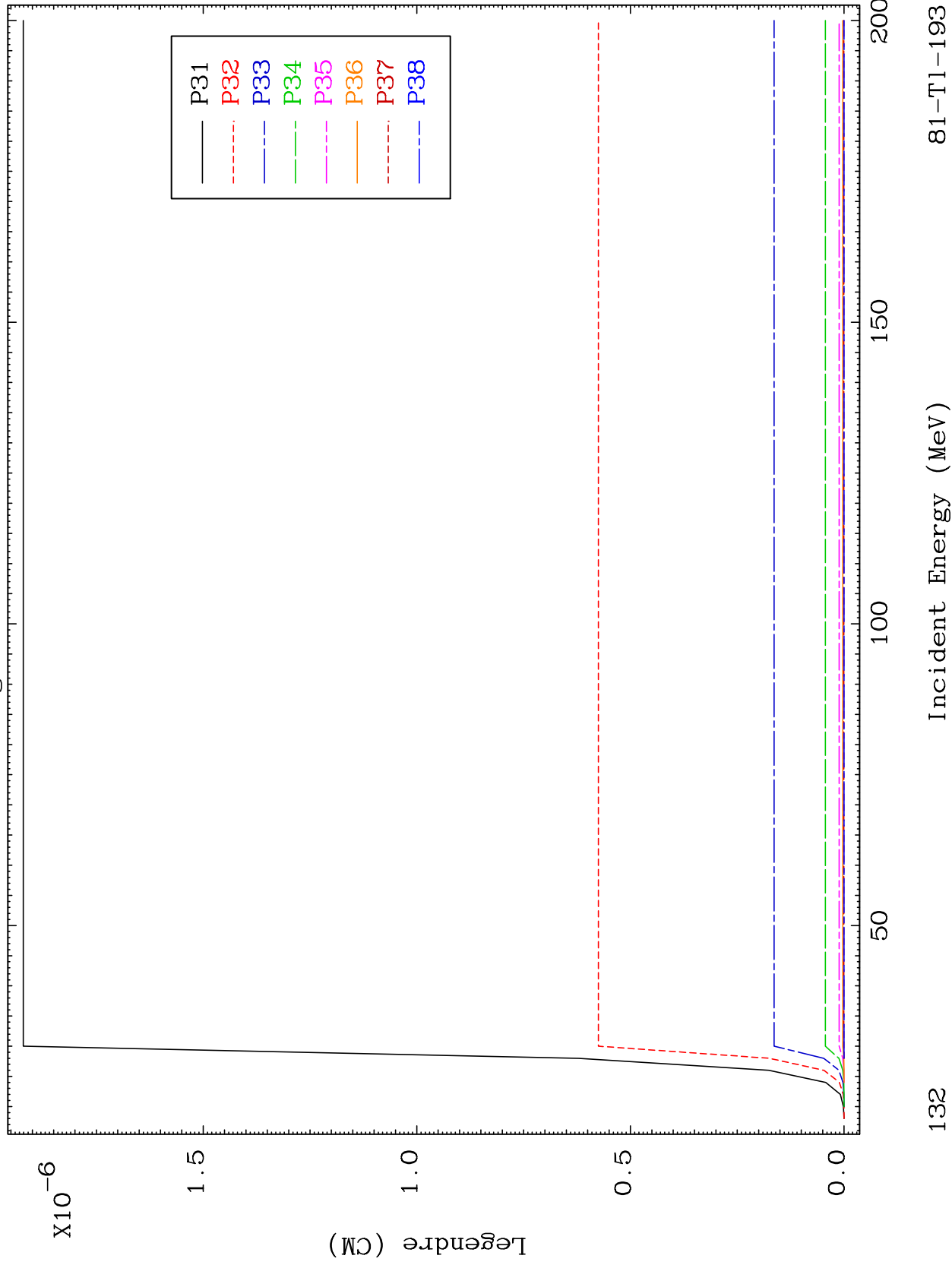
Incident Energy (MeV)

81-T1-193

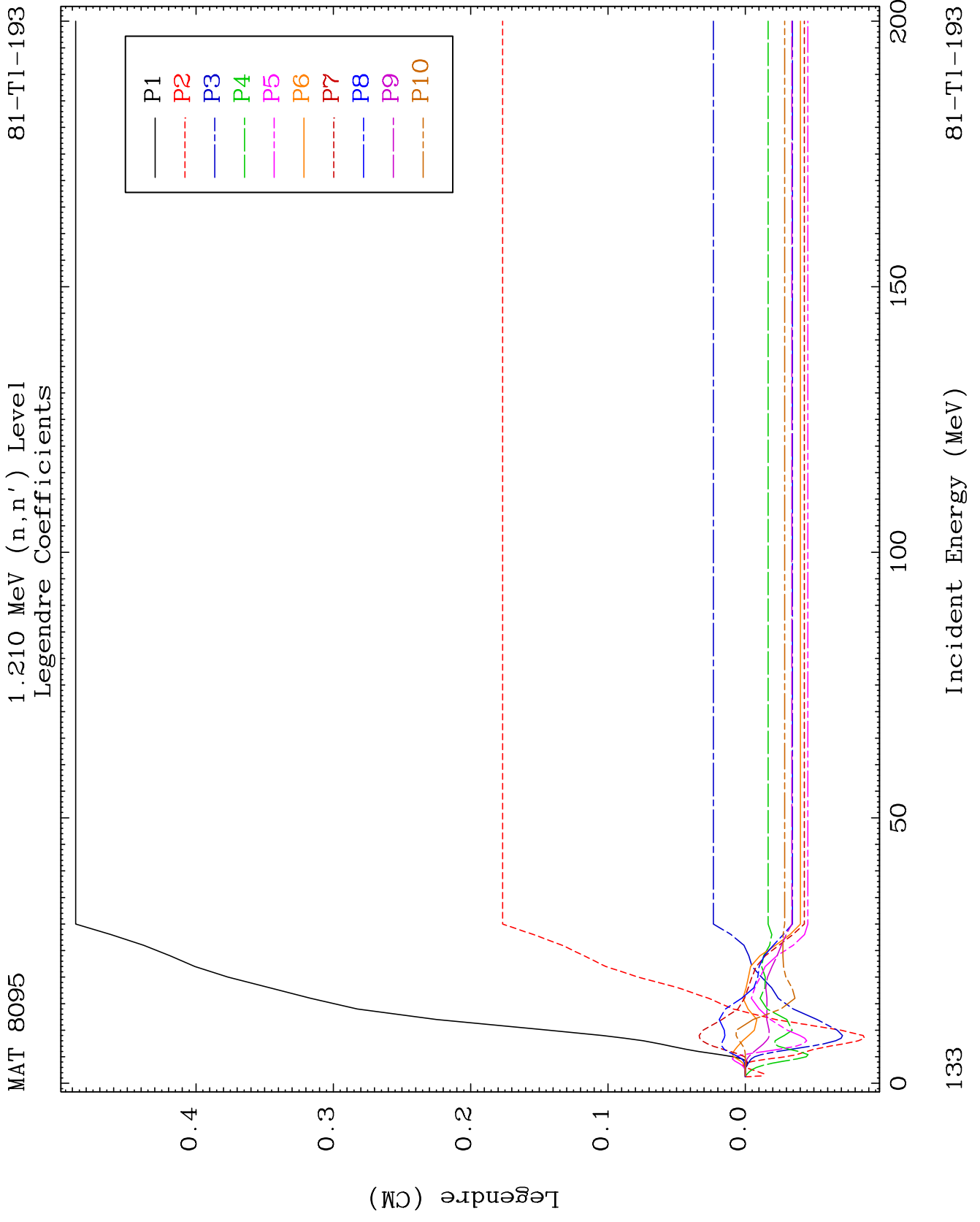
MAT 8095

1.166 MeV (n,n') Level  
Legendre Coefficients

81-Tl-193



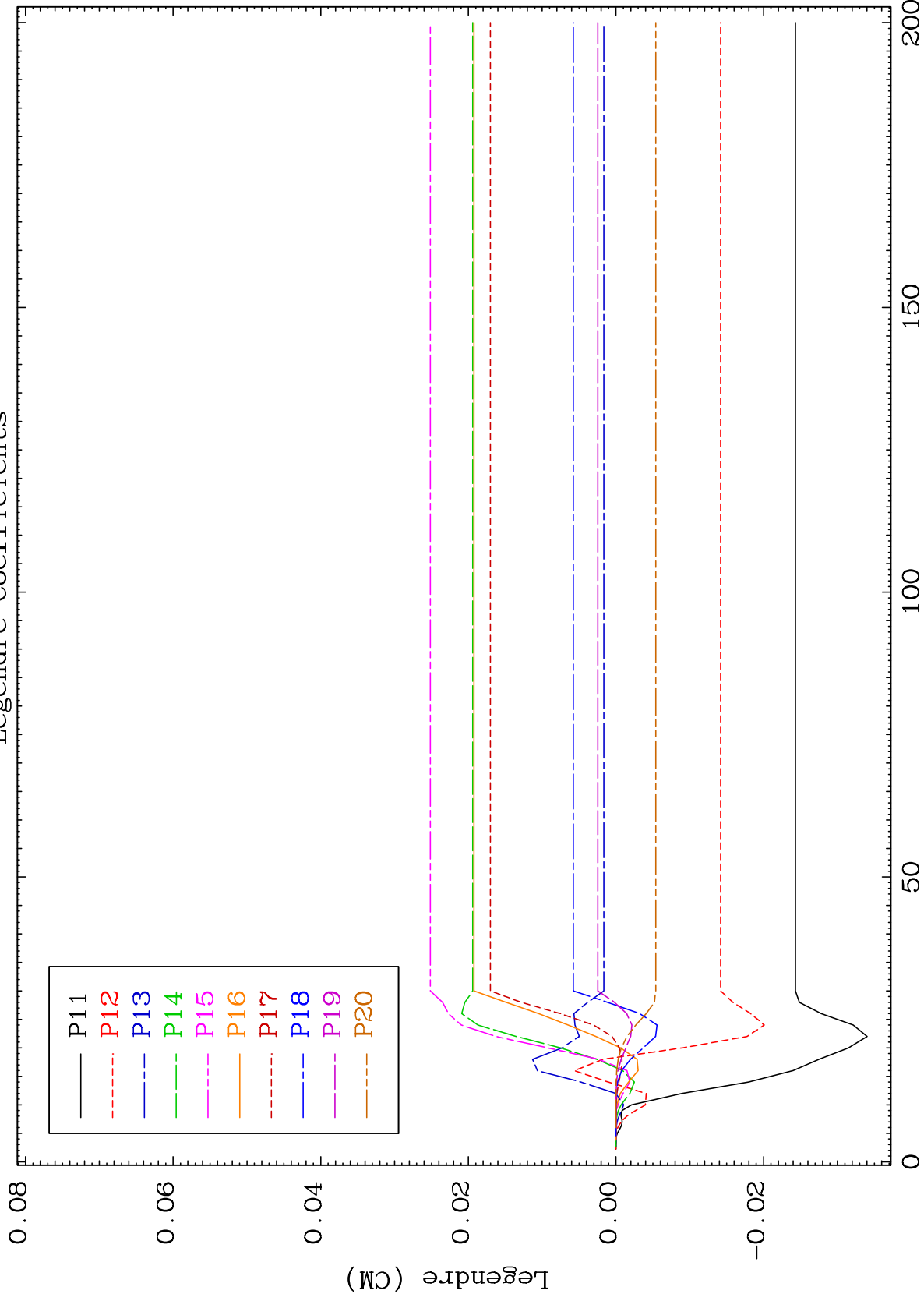
132



MAT 8095

1.210 MeV (n,n') Level  
Legendre Coefficients

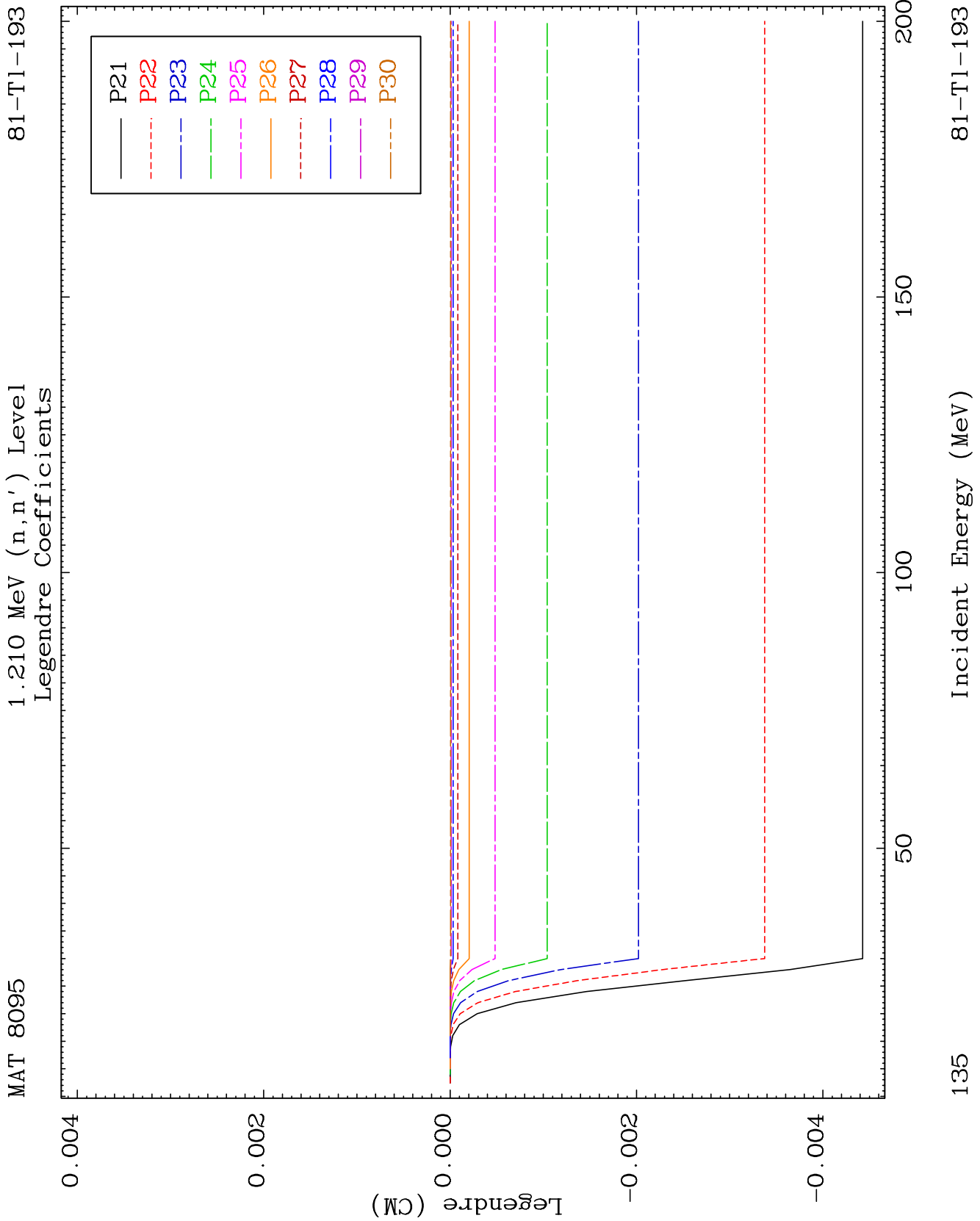
81-T1-193



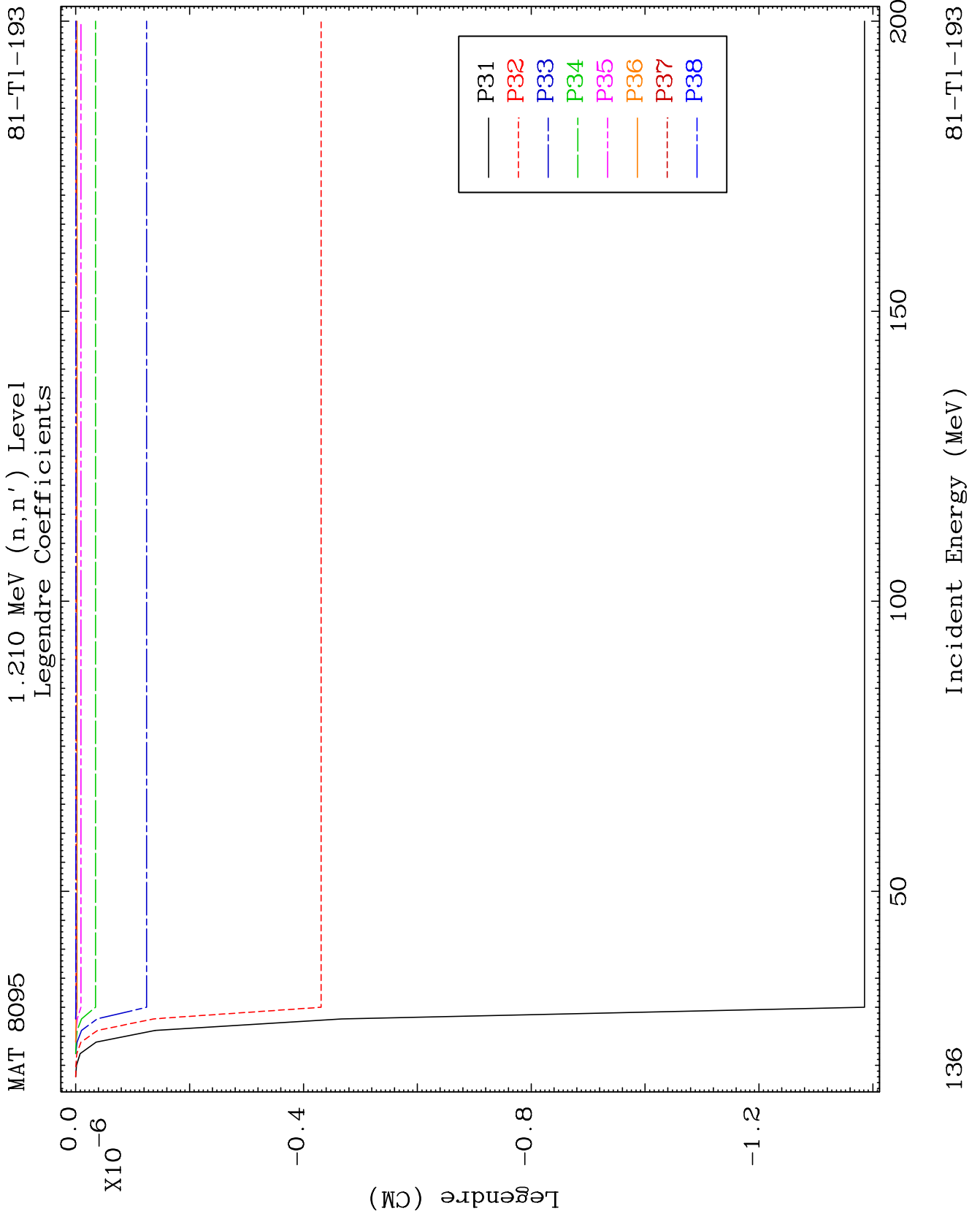
134

Incident Energy (MeV)

81-T1-193



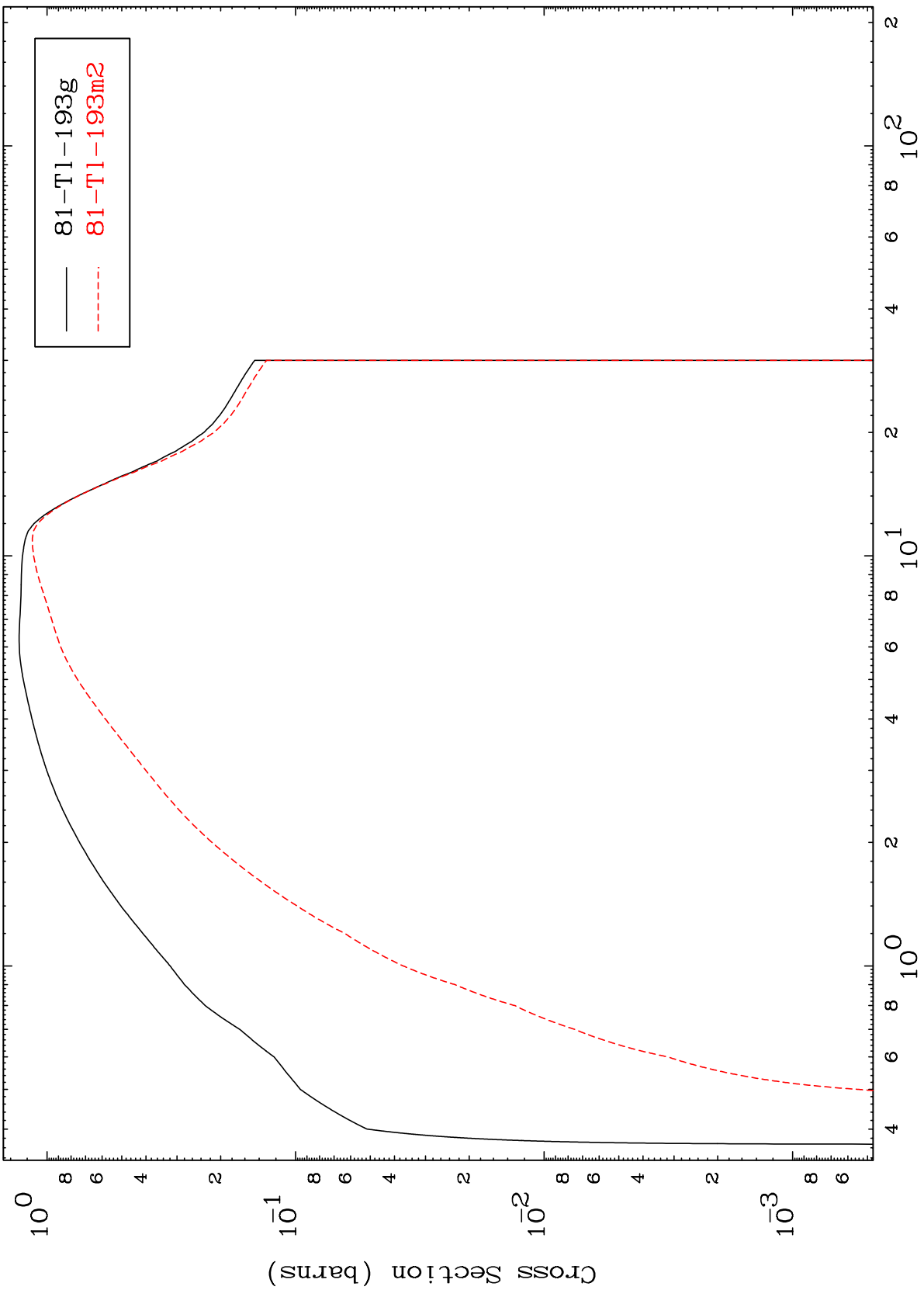




MAT 8095

81-Tl-193

Inelastic  
Radionuclide Production Cross Section



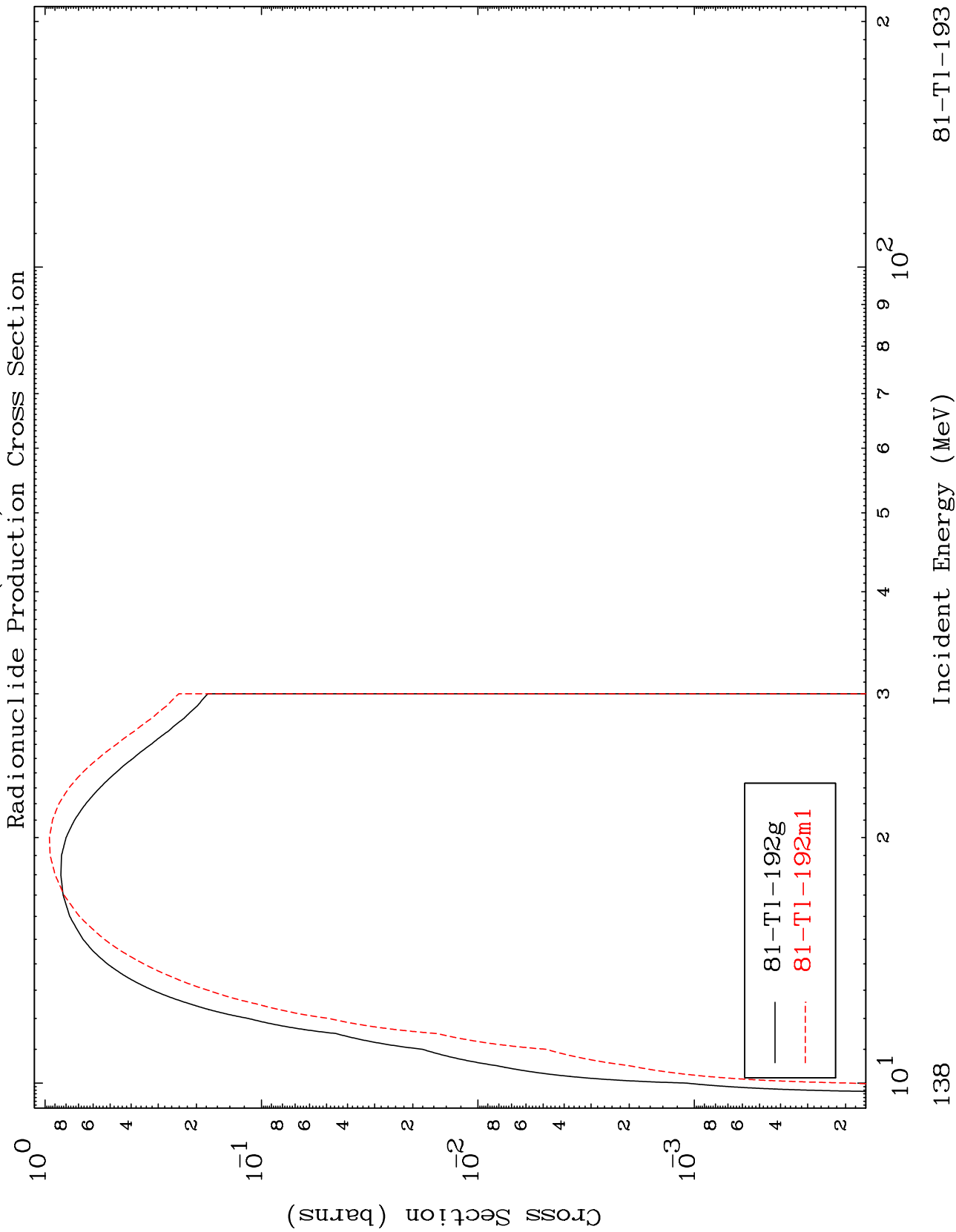
137

Incident Energy (MeV)

81-Tl-193

MAT 8095

81-Tl-193



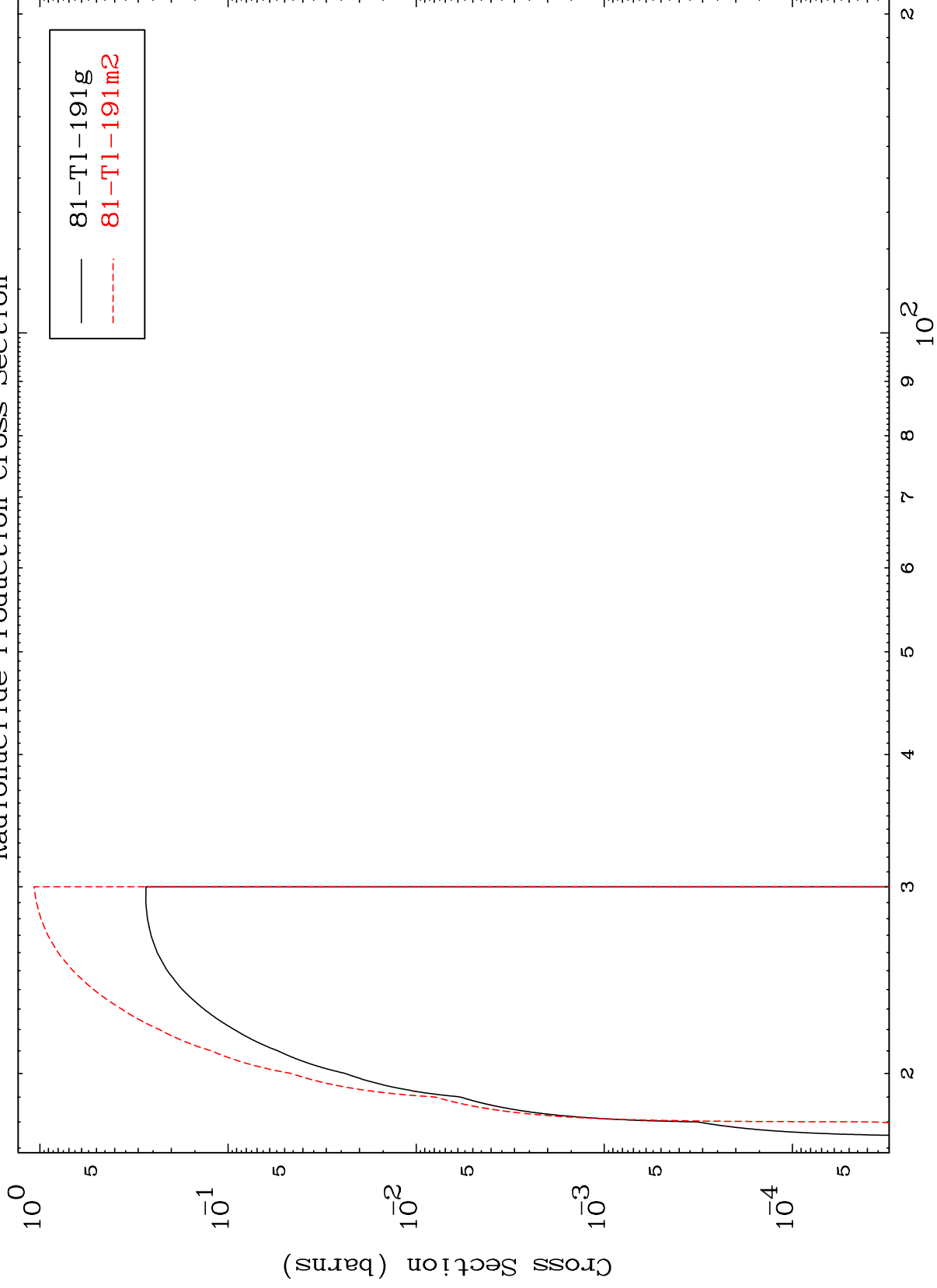
138

MAT 8095

(n,3n)

81-Tl-193

Radionuclide Production Cross Section



139

Incident Energy (MeV)

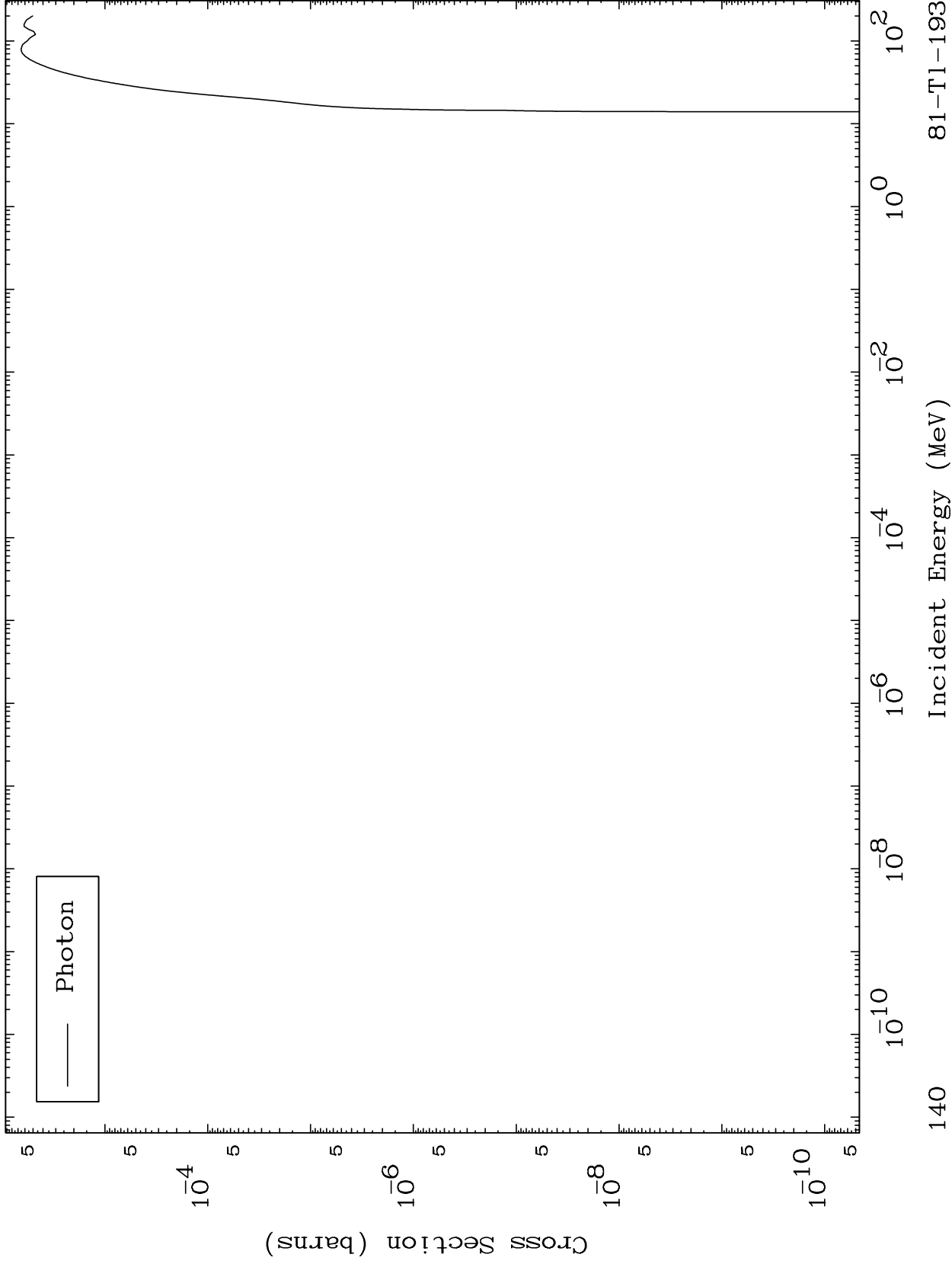
81-Tl-193

MAT 8095

Fission

81-Tl-193

Radionuclide Production Cross Section



140

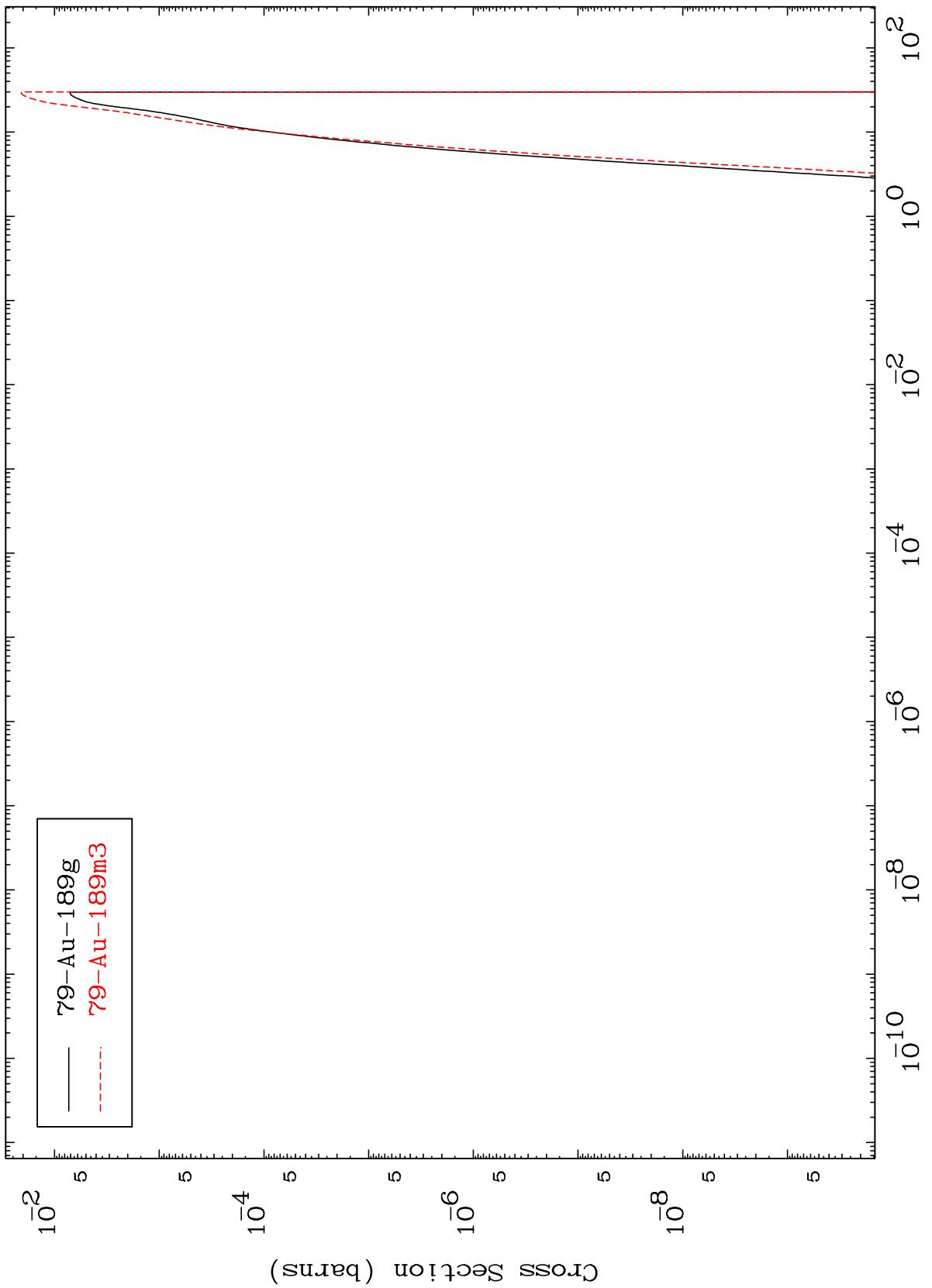
81-Tl-193

MAT 8095

$(n, n') \alpha$

81-Tl-193

Radionuclide Production Cross Section



—  $^{189}\text{gAu}$   
- - -  $^{189}\text{m3Au}$

141

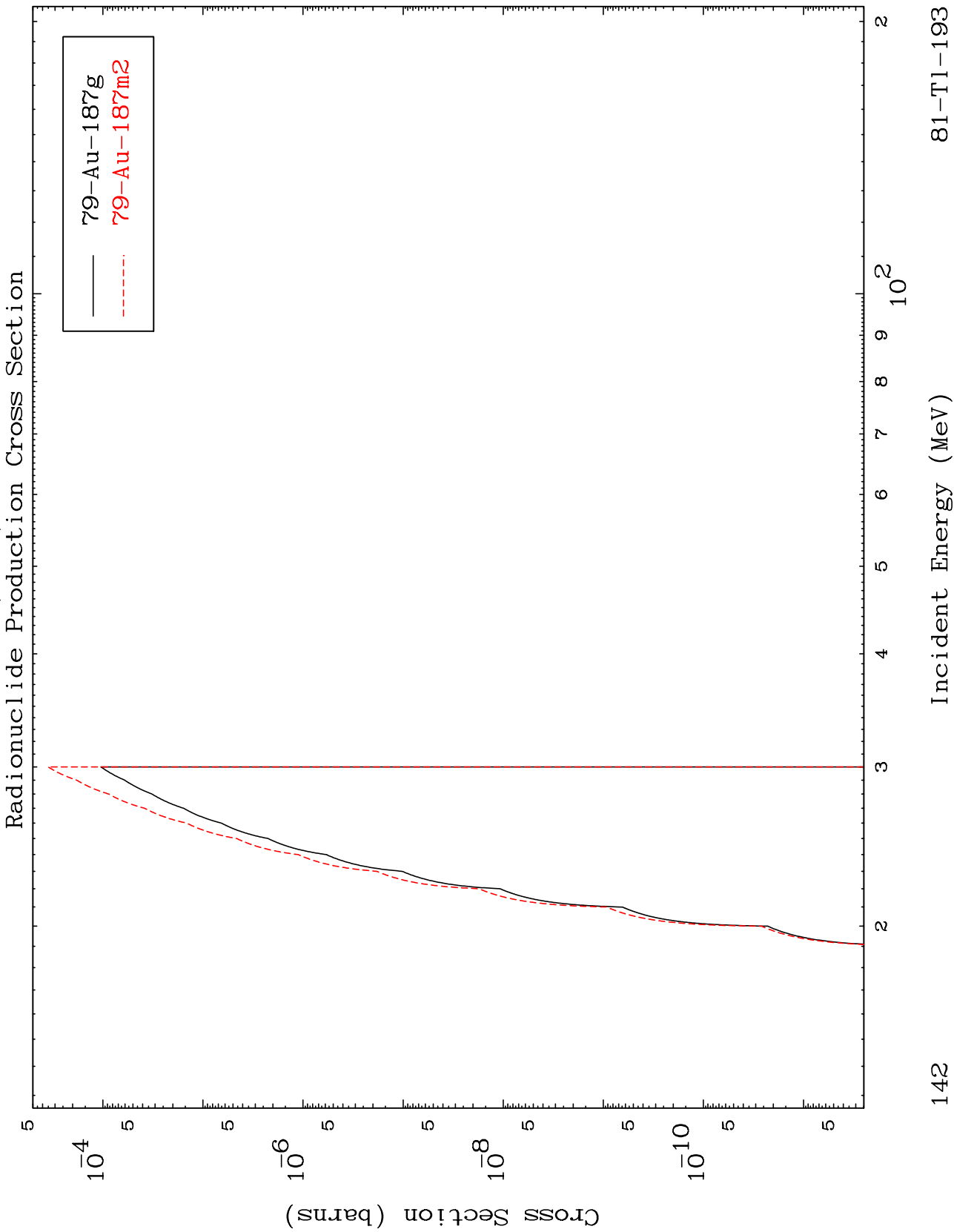
Incident Energy (MeV)

81-Tl-193

MAT 8095

(n,3n)  $\alpha$

81-Tl-193



142

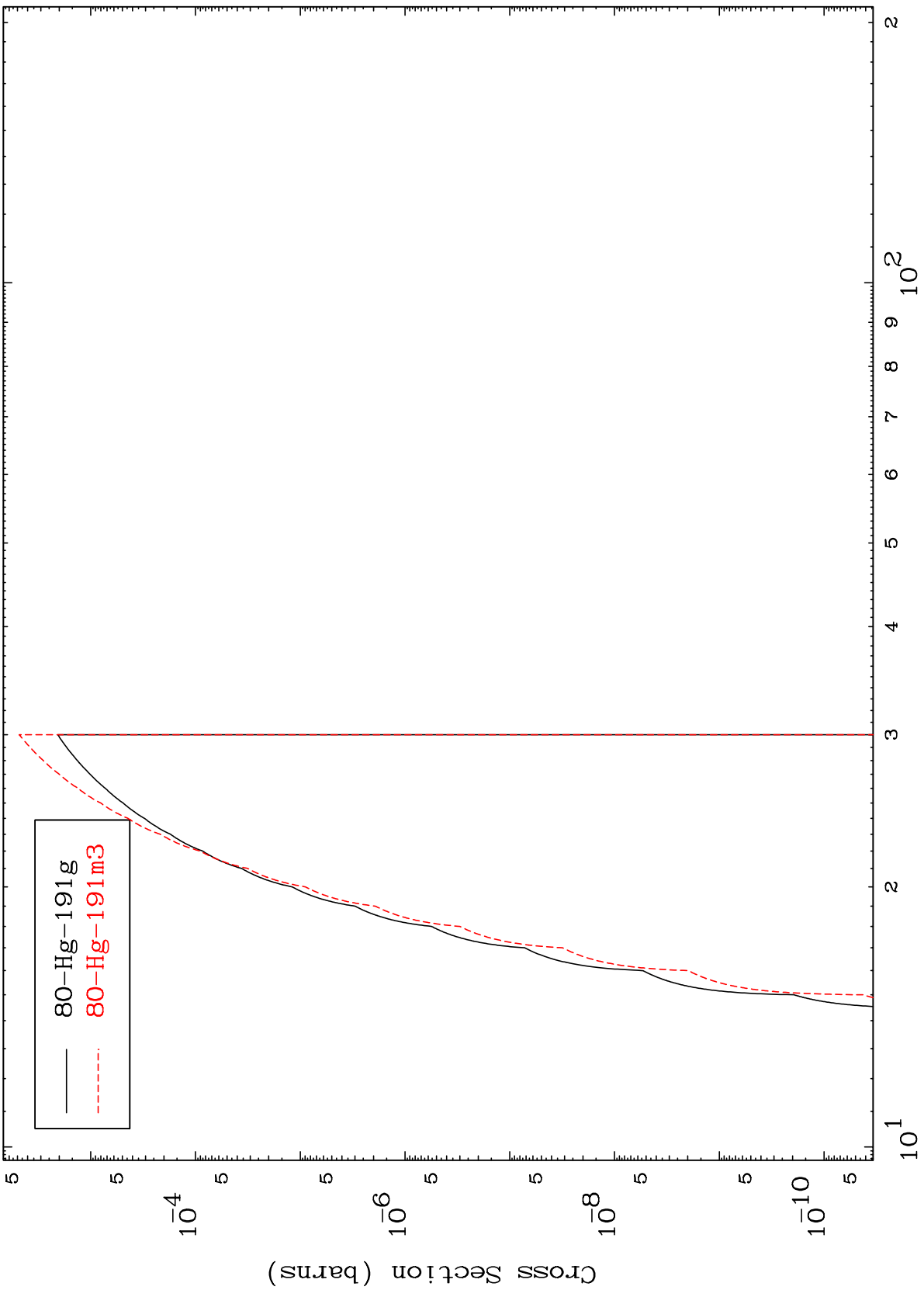
81-Tl-193

MAT 8095

(n,n') d

81-T1-193

Radionuclide Production Cross Section



80-Hg-191g  
80-Hg-191m3

143

Incident Energy (MeV)

81-T1-193

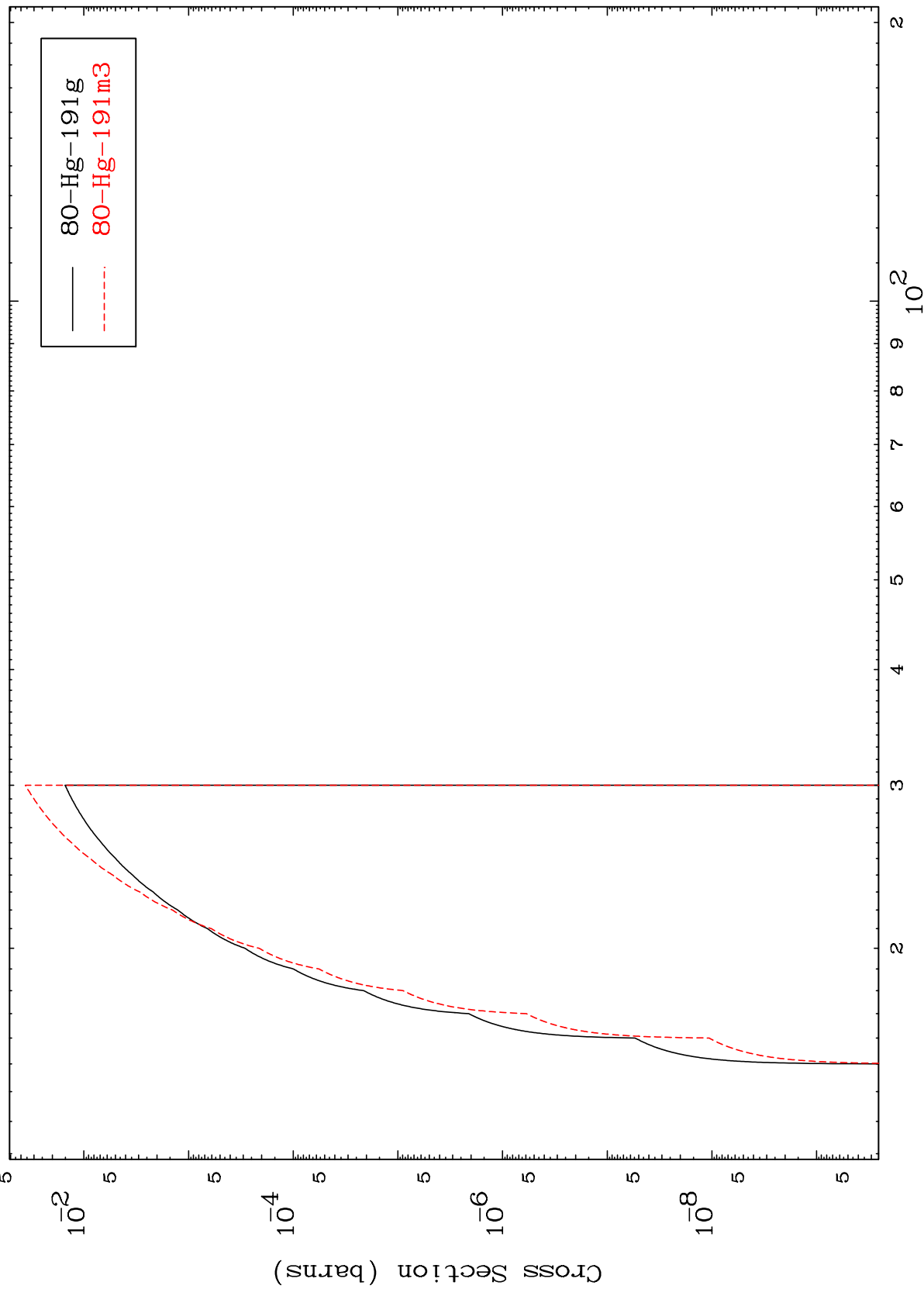


MAT 8095

(n,2n) p

81-Tl-193

Radionuclide Production Cross Section



80-Hg-191g  
80-Hg-191m3

144

Incident Energy (MeV)

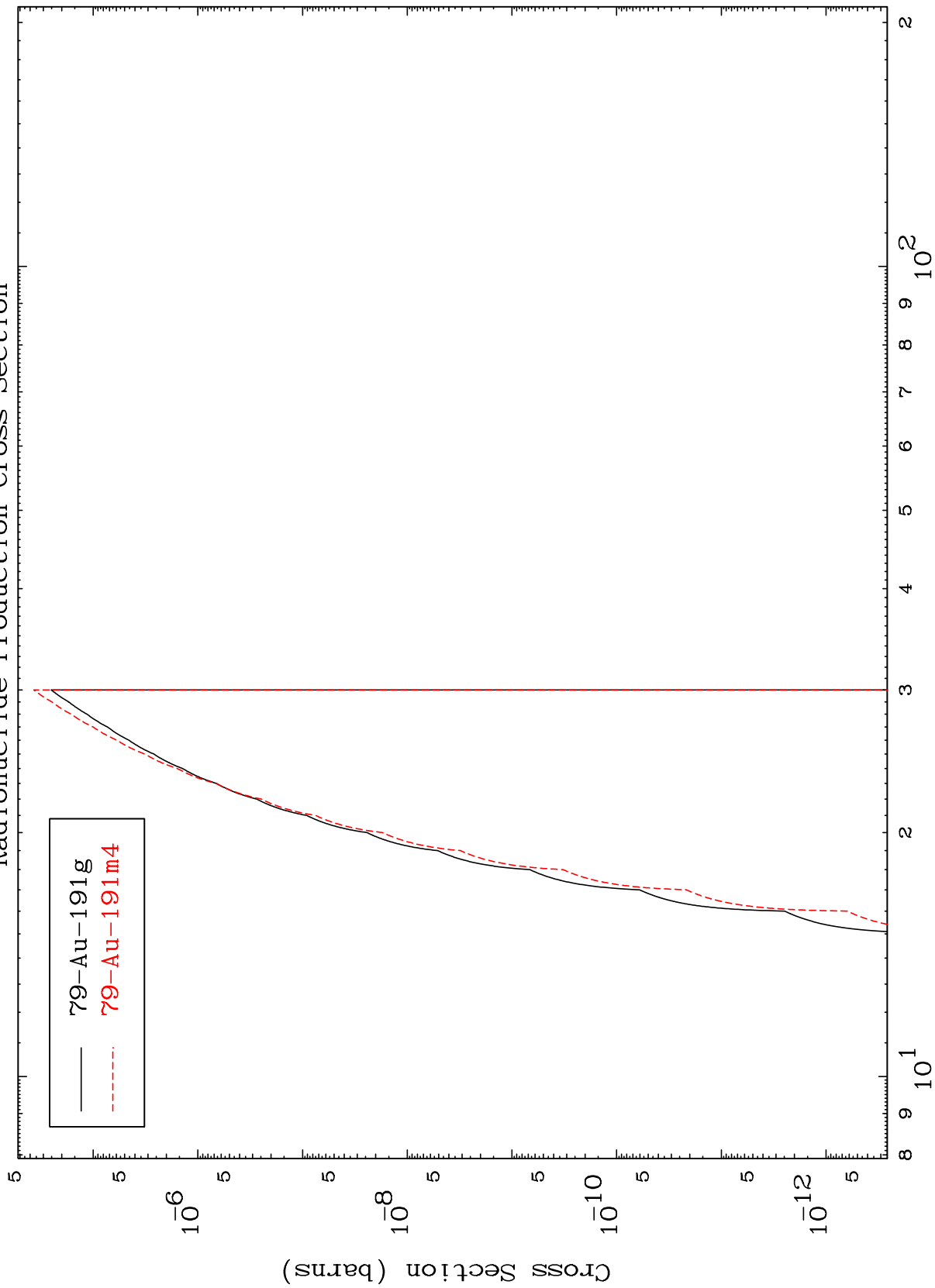
81-Tl-193

MAT 8095

(n,2n) p

81-Tl-193

Radionuclide Production Cross Section



79-Au-191g  
79-Au-191m4

145

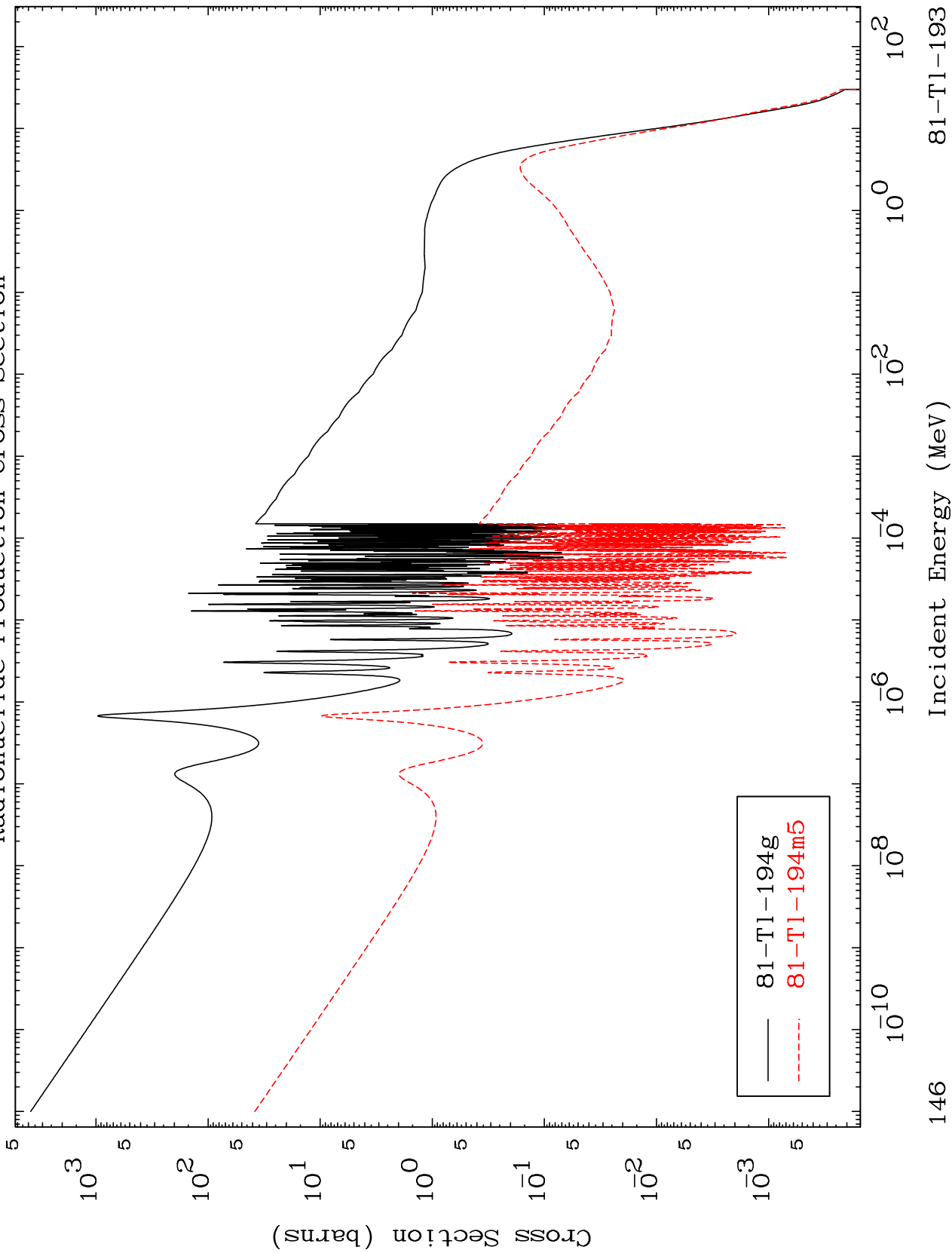
Incident Energy (MeV)

81-Tl-193

MAT 8095

81-Tl-193

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



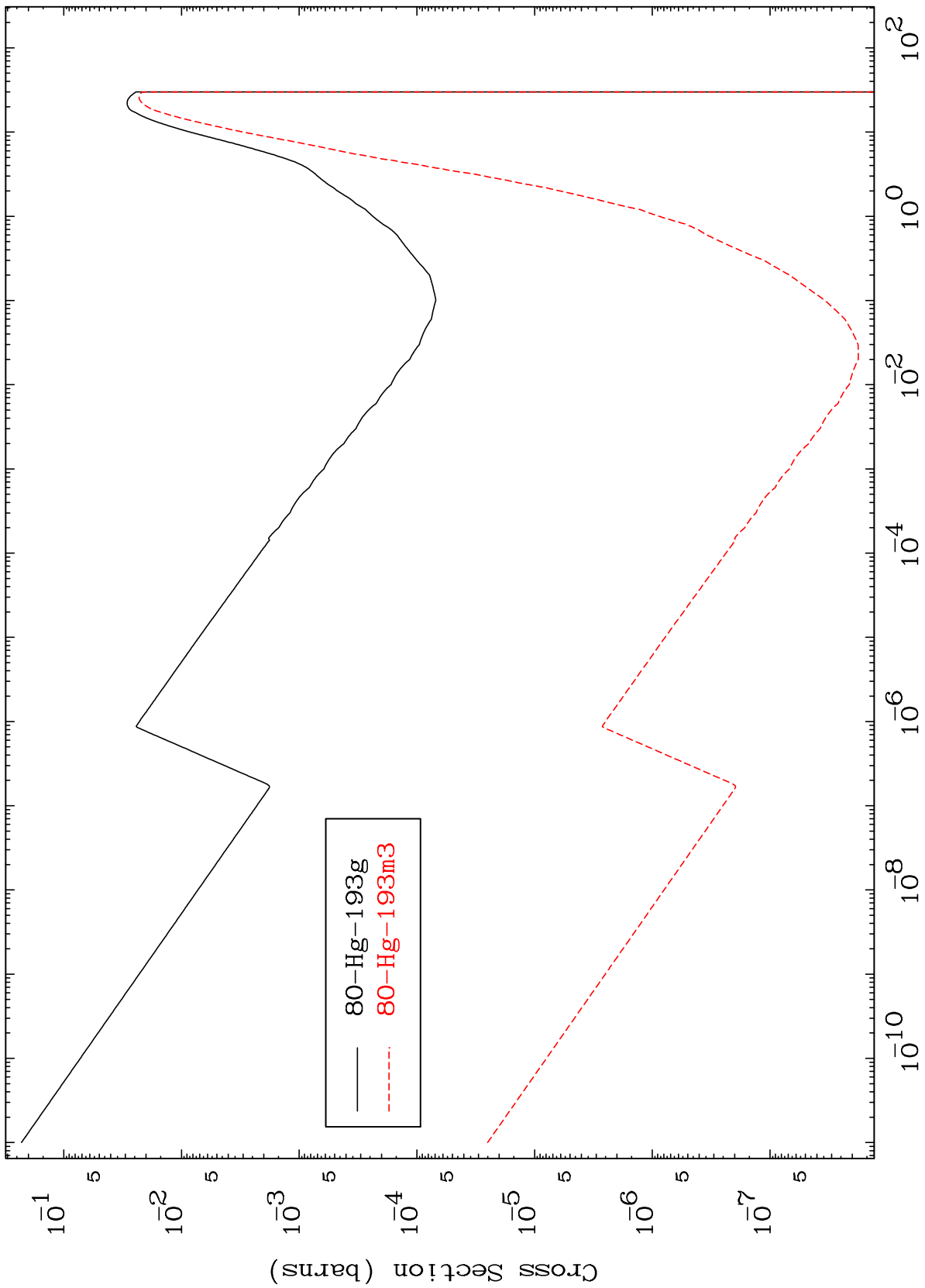
146

81-Tl-193

MAT 8095

81-Tl-193

(n,p)  
Radionuclide Production Cross Section



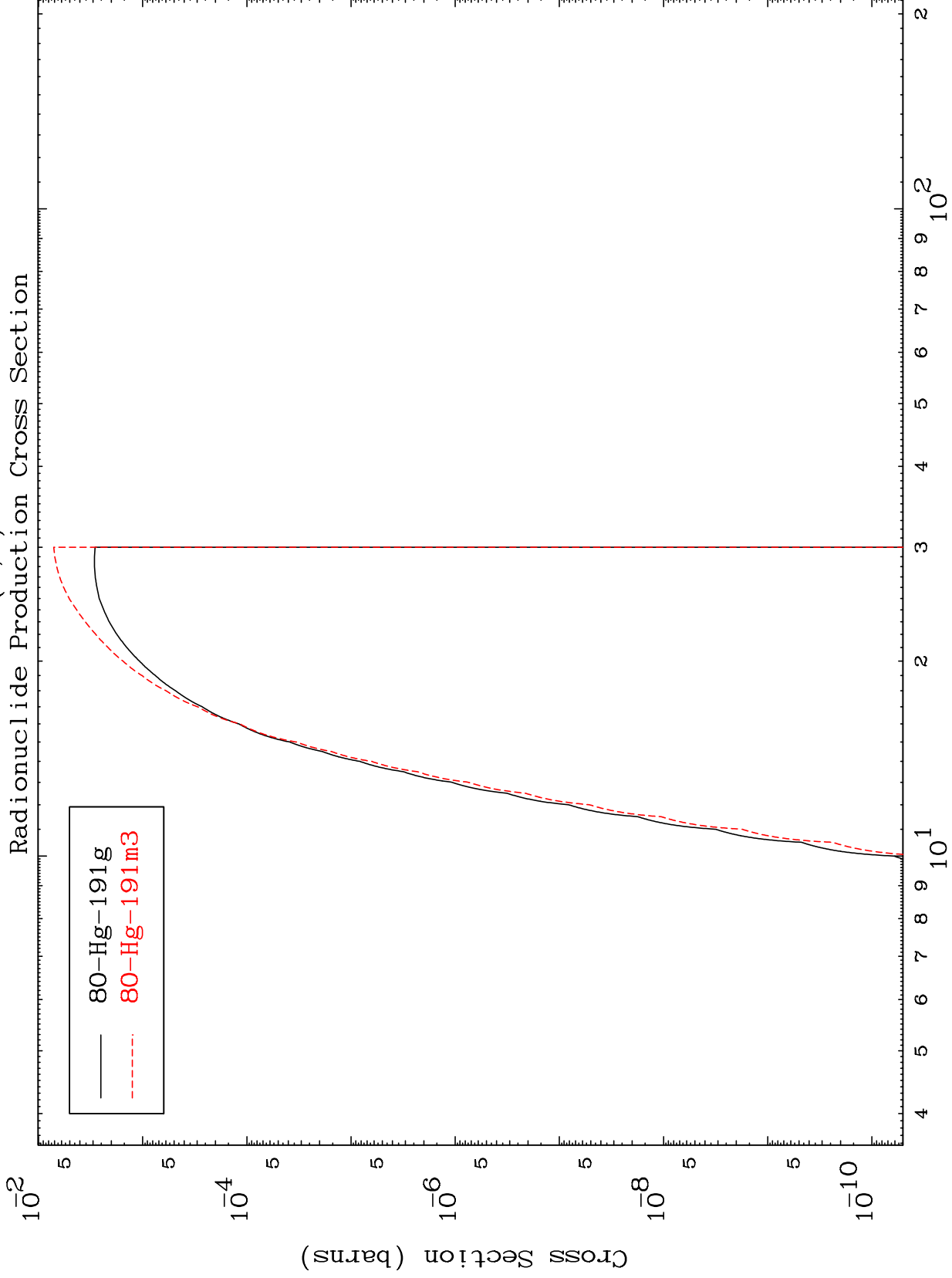
147

81-Tl-193

MAT 8095

81-T1-193

(n, t)  
Radionuclide Production Cross Section



148

81-T1-193

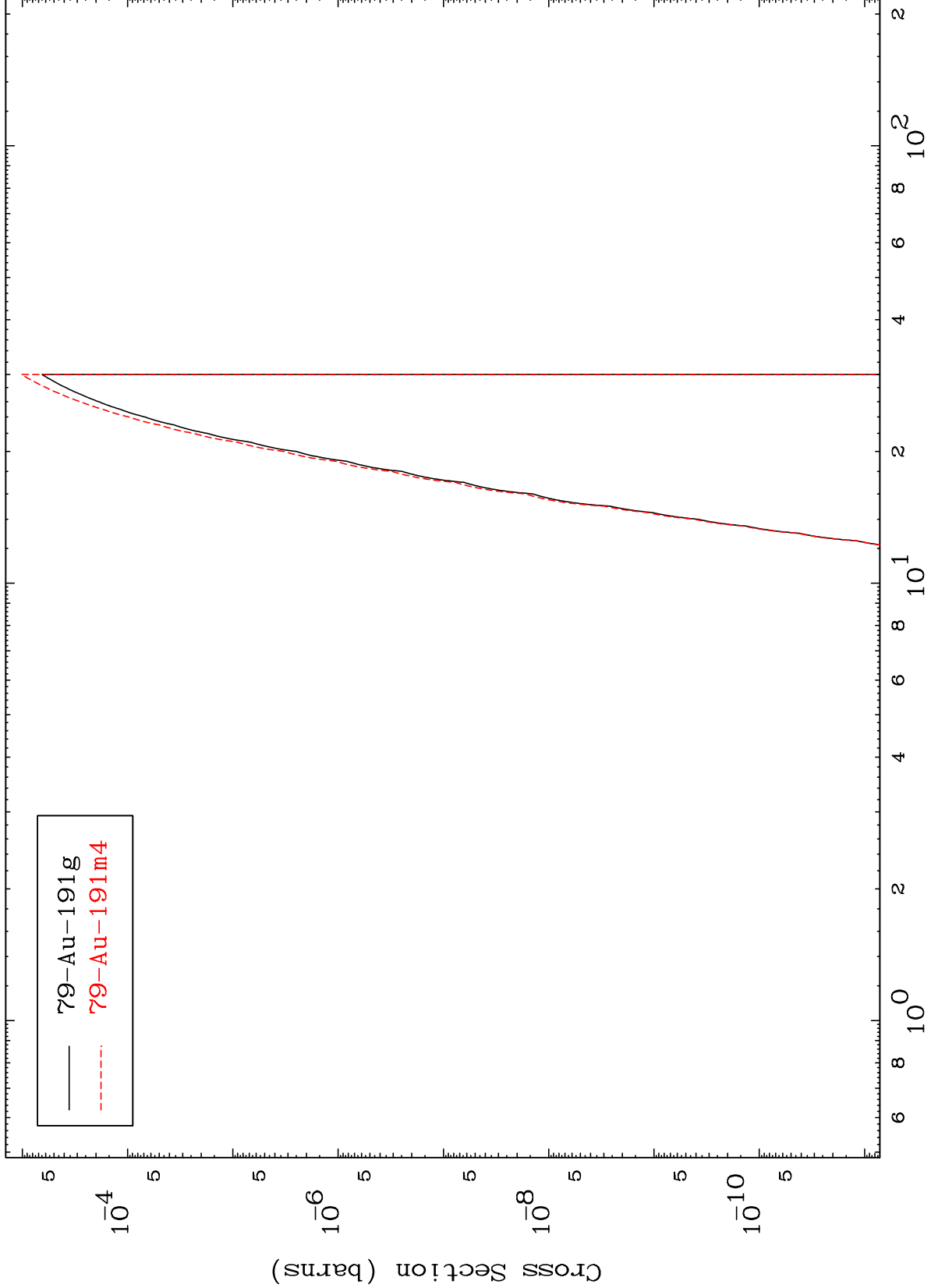
Incident Energy (MeV)

MAT 8095

(n,He-3)

81-Tl-193

Radionuclide Production Cross Section



—  $^{191}\text{Au-g}$   
- - -  $^{191}\text{Au-m4}$

149

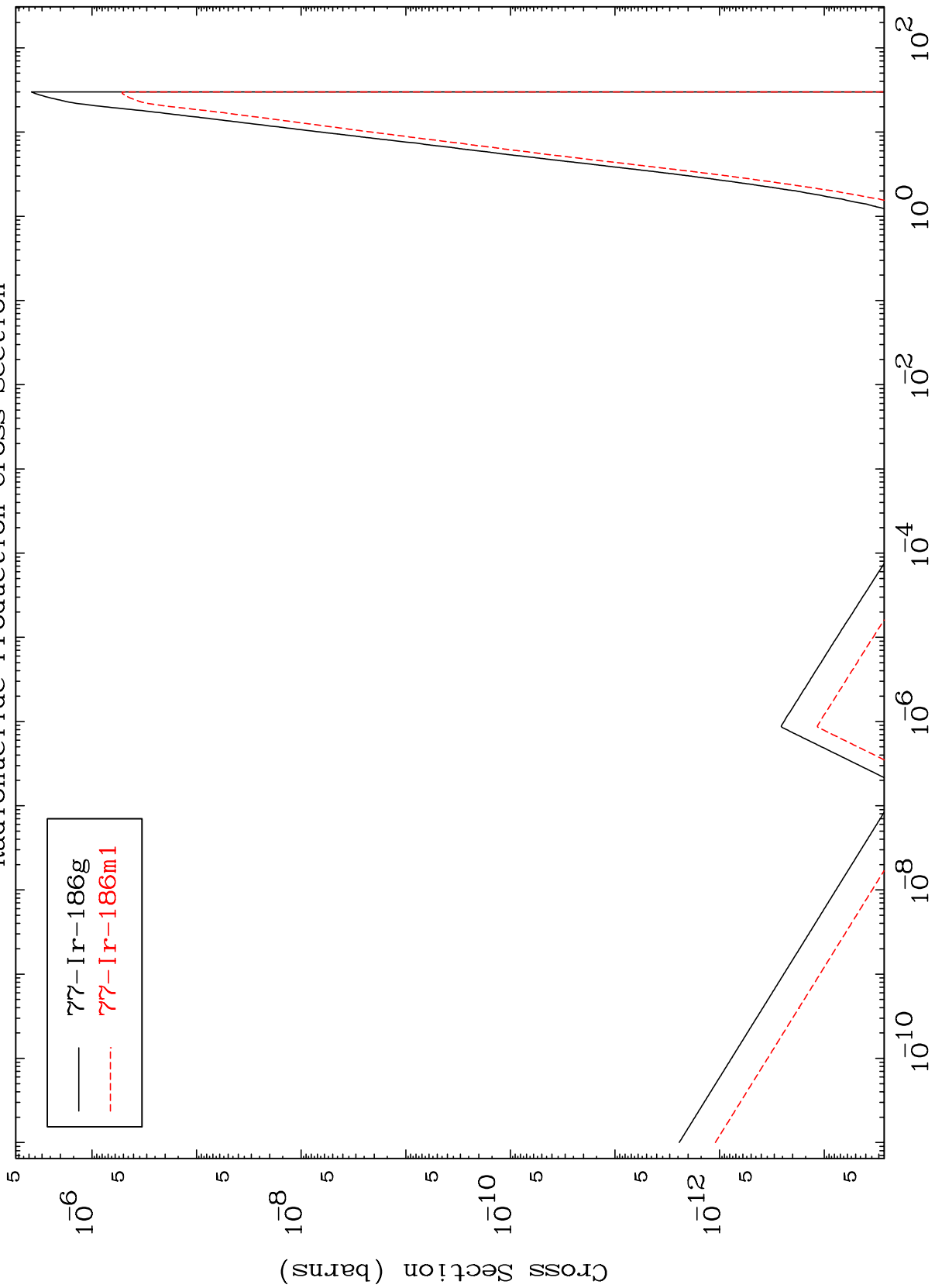
Incident Energy (MeV)

81-Tl-193

MAT 8095

81-Tl-193

Radionuclide Production Cross Section



—  $^{77}\text{Ir-186g}$   
- - -  $^{77}\text{Ir-186m1}$

150

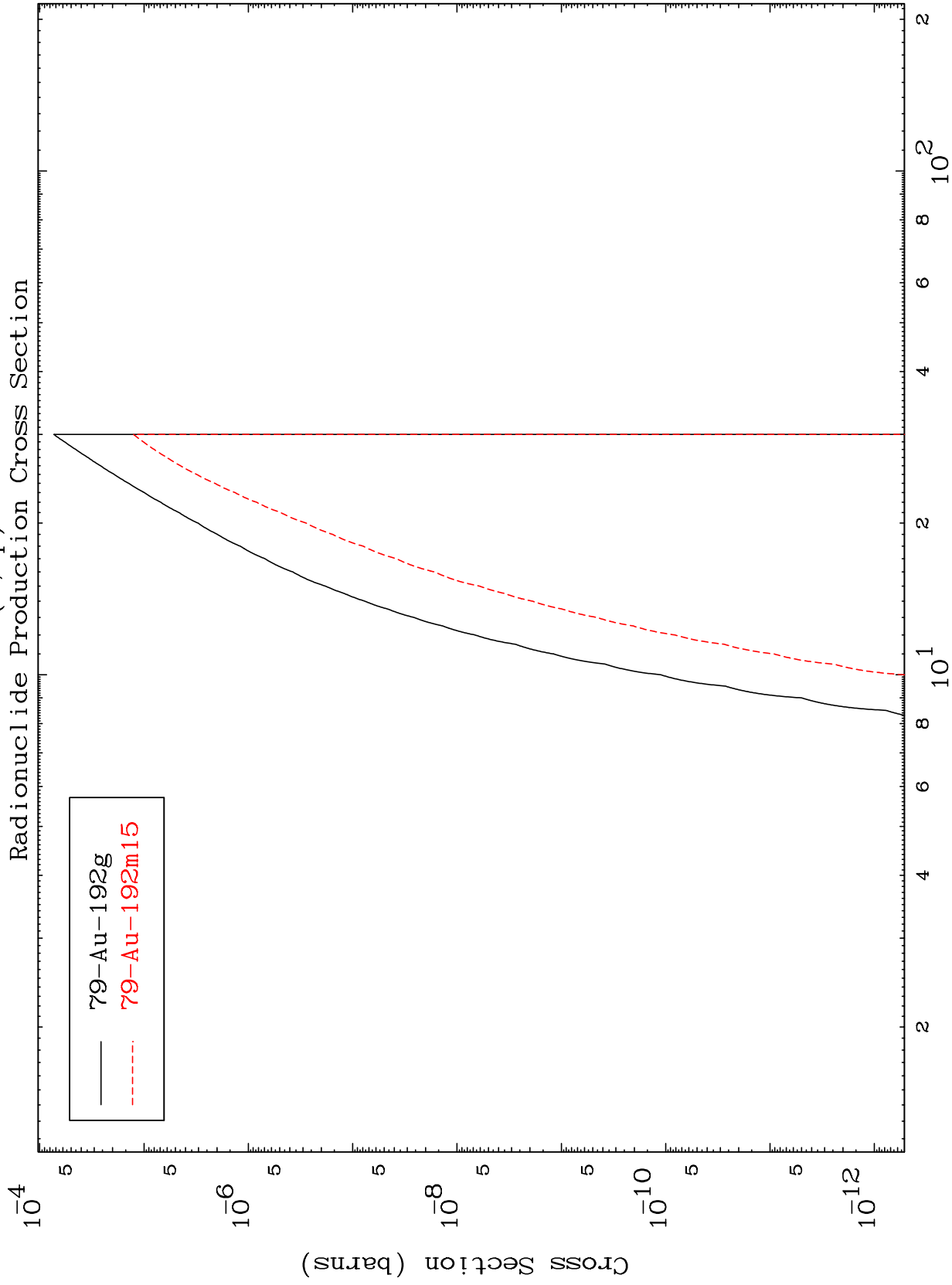
81-Tl-193

MAT 8095

(n,2p)

81-Tl-193

Radionuclide Production Cross Section



151

Incident Energy (MeV)

81-Tl-193

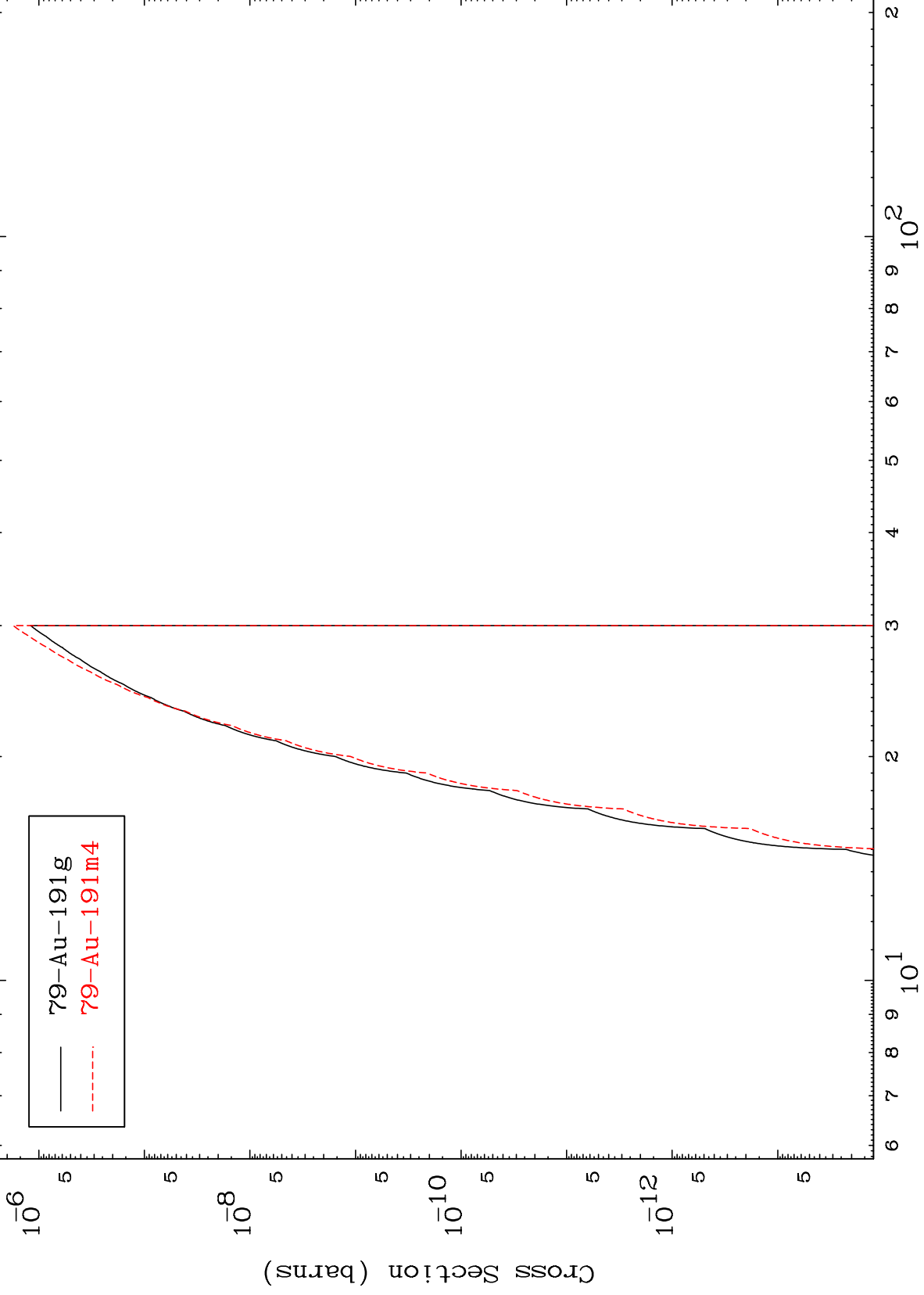


MAT 8095

(n,p) d

81-Tl-193

Radionuclide Production Cross Section



152

Incident Energy (MeV)

81-Tl-193