

Program EVALPLOT  
(Version 2018-1)

by

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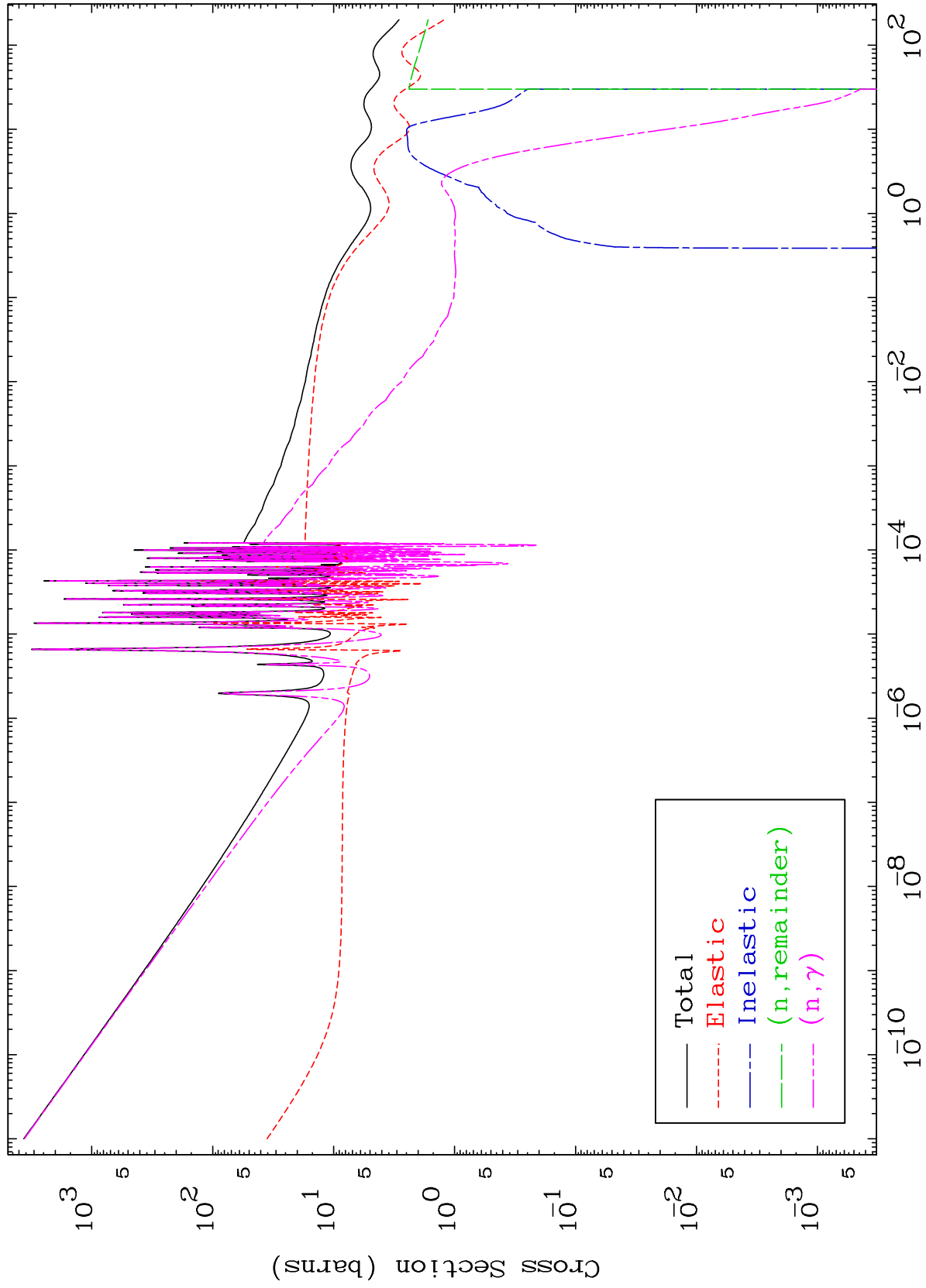
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8101

Major  
293 Kelvin Cross Sections

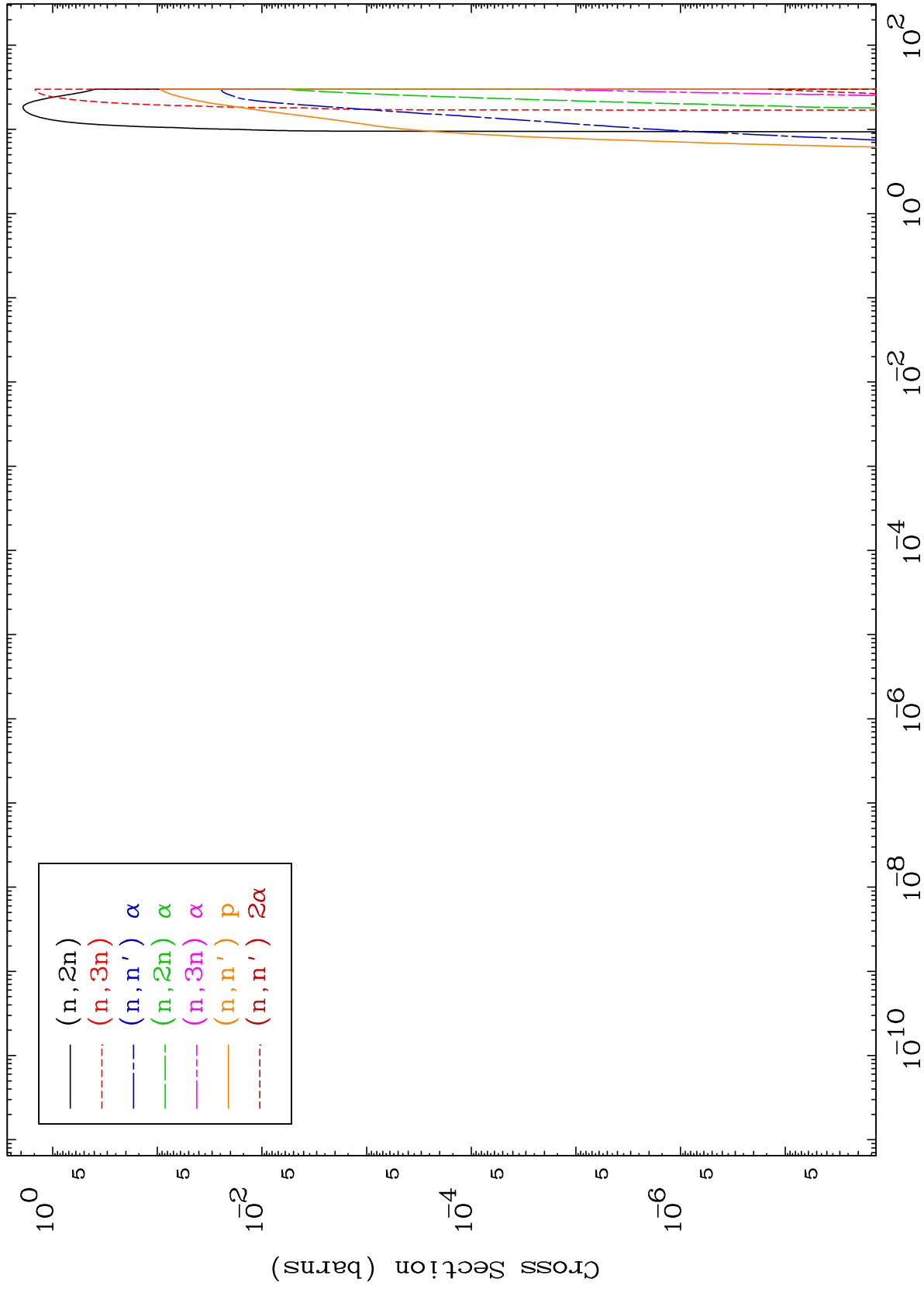
81-Tl-195



MAT 8101

Neutron Production  
293 Kelvin Cross Sections

81-Tl-195

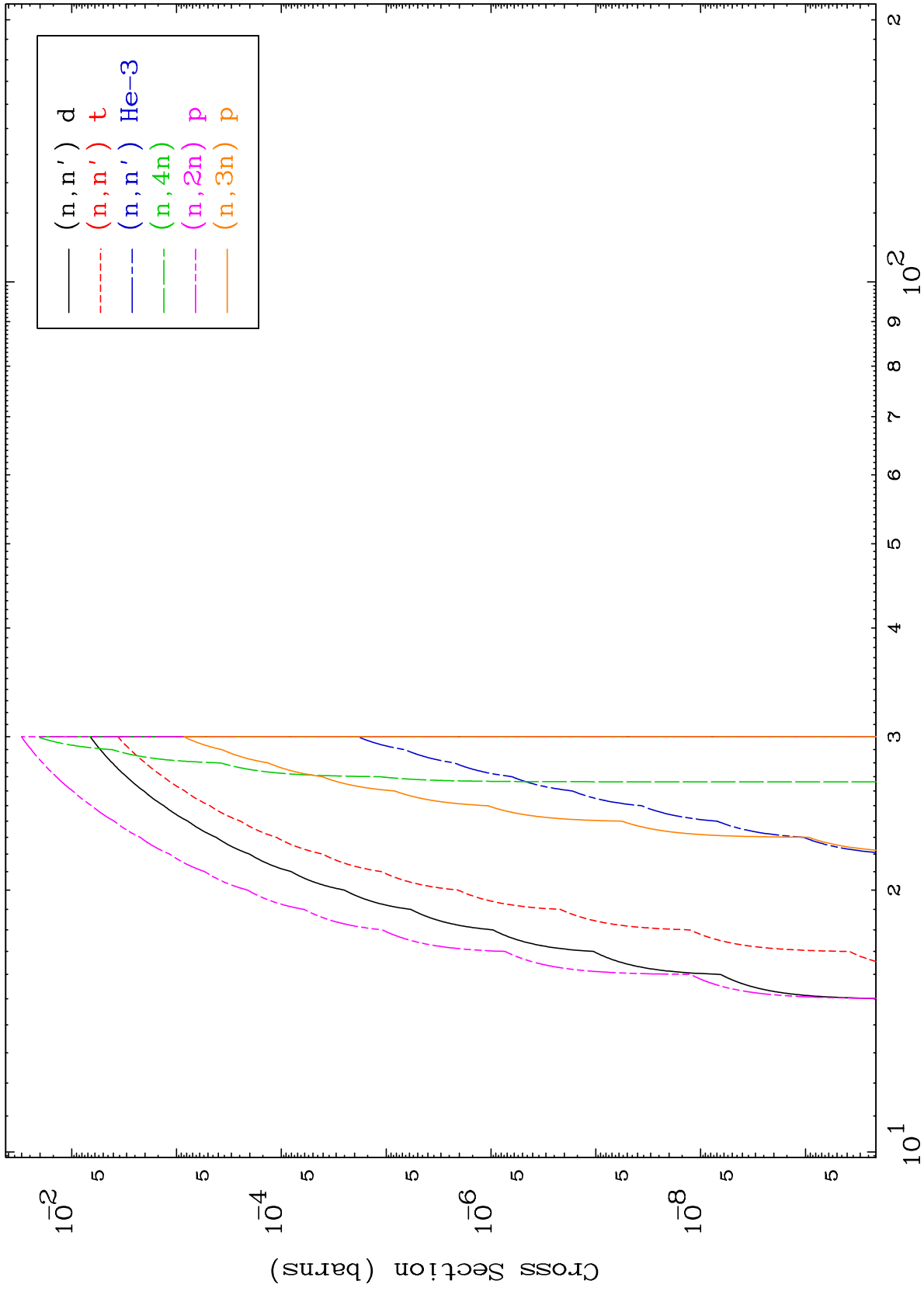


81-Tl-195

MAT 8101

Neutron Production  
293 Kelvin Cross Sections

81-Tl-195



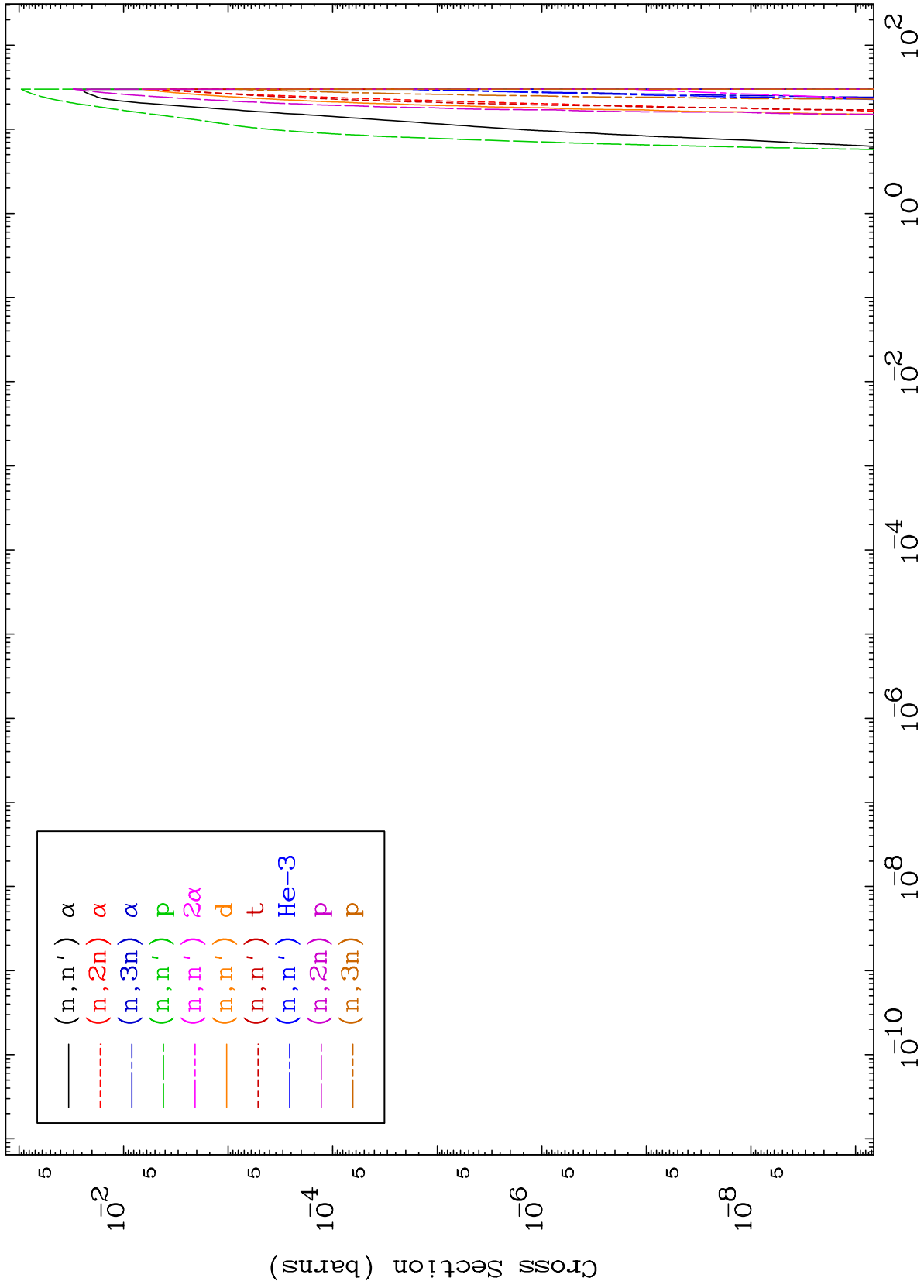
Incident Energy (MeV)

81-Tl-195

MAT 8101

293 Kelvin Cross Sections  
Charged Particle

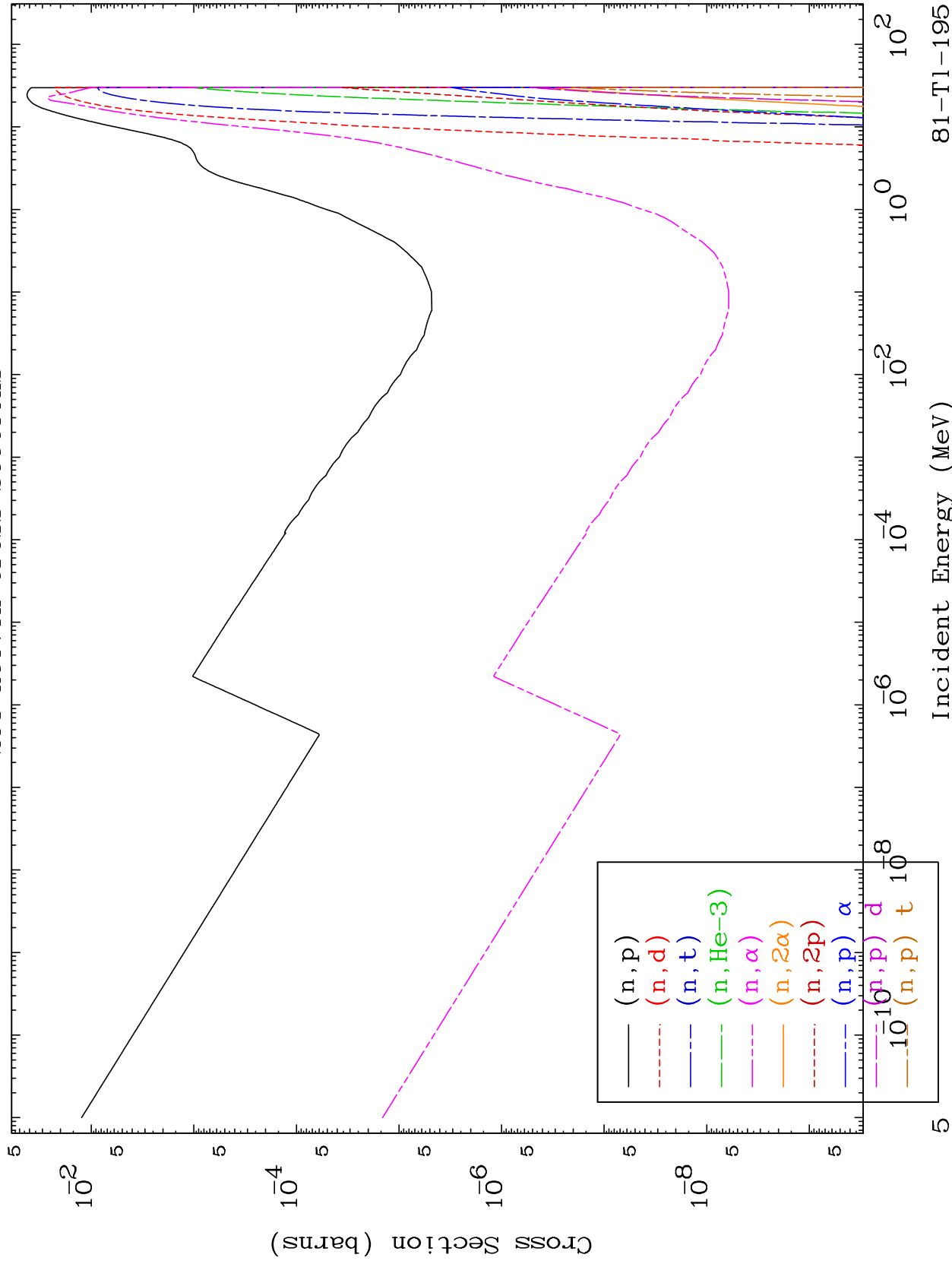
81-Tl-195



MAT 8101

293 Kelvin Cross Sections

81-Tl-195

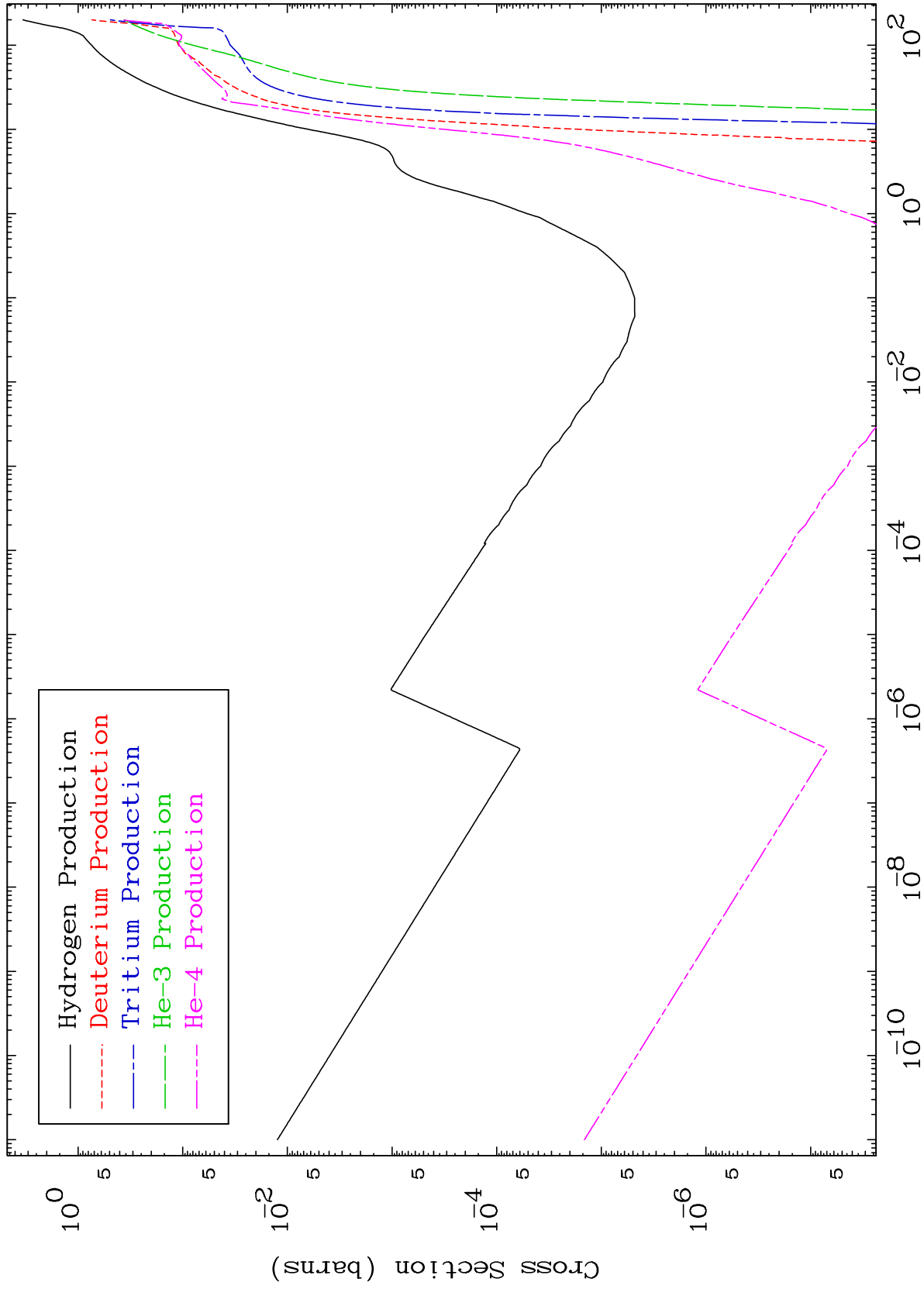


81-Tl-195

MAT 8101

Particle Production  
293 Kelvin Cross Sections

81-T1-195



6

Incident Energy (MeV)

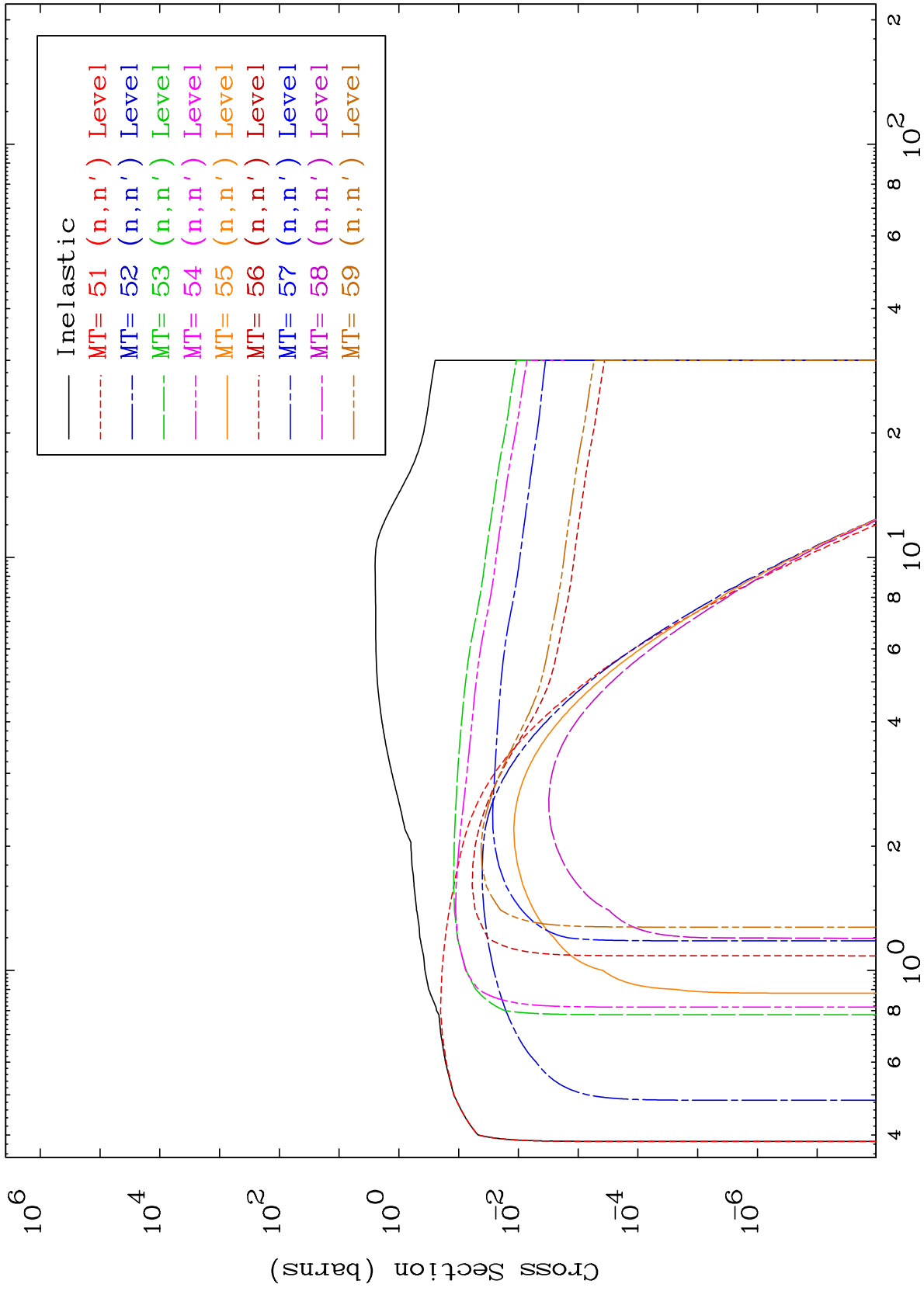
81-T1-195

MAT 8101

(n,n') Level

81-T1-195

293 Kelvin Cross Sections



7

Incident Energy (MeV)

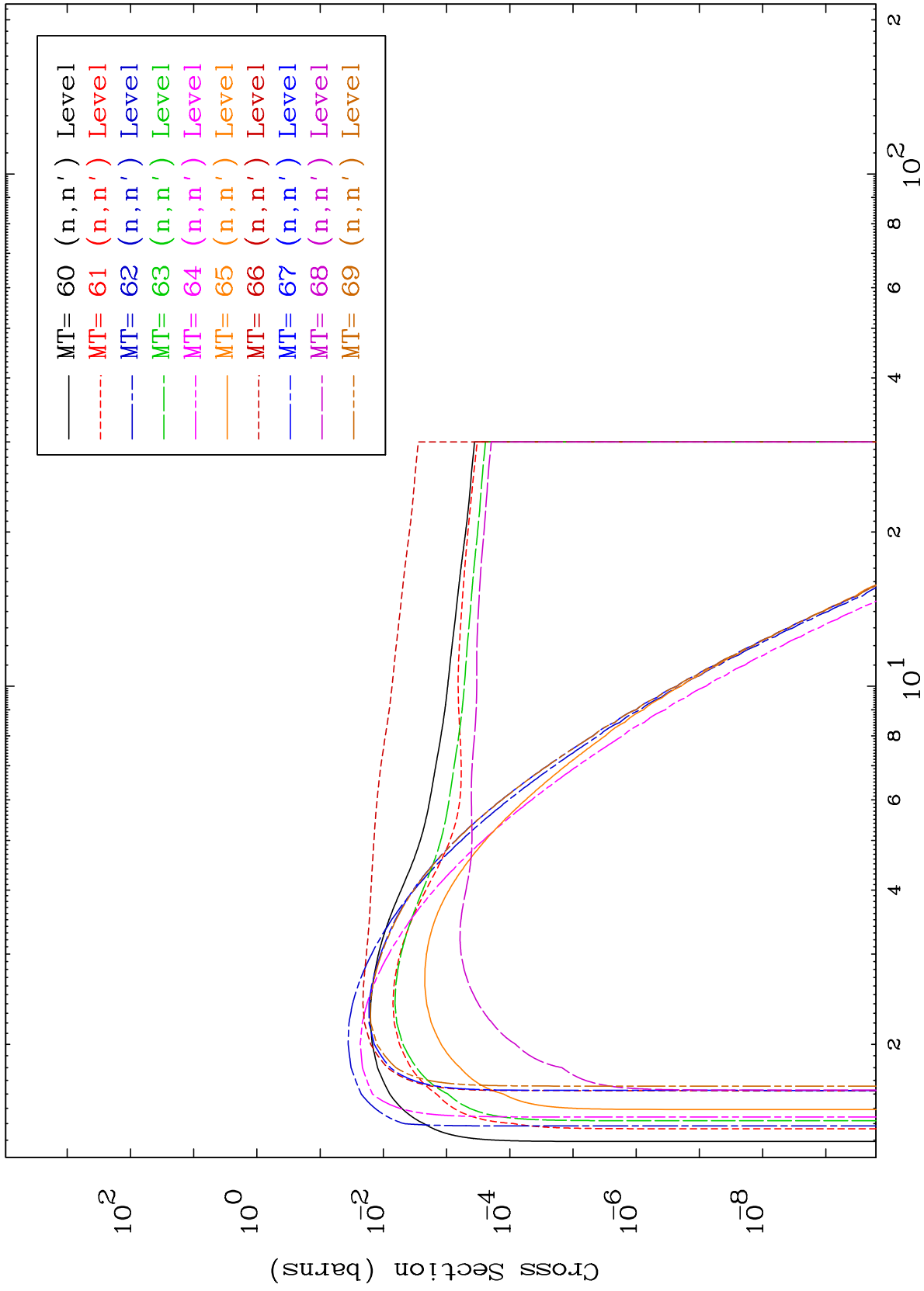
81-T1-195



MAT 8101

(n,n') Level  
293 Kelvin Cross Sections

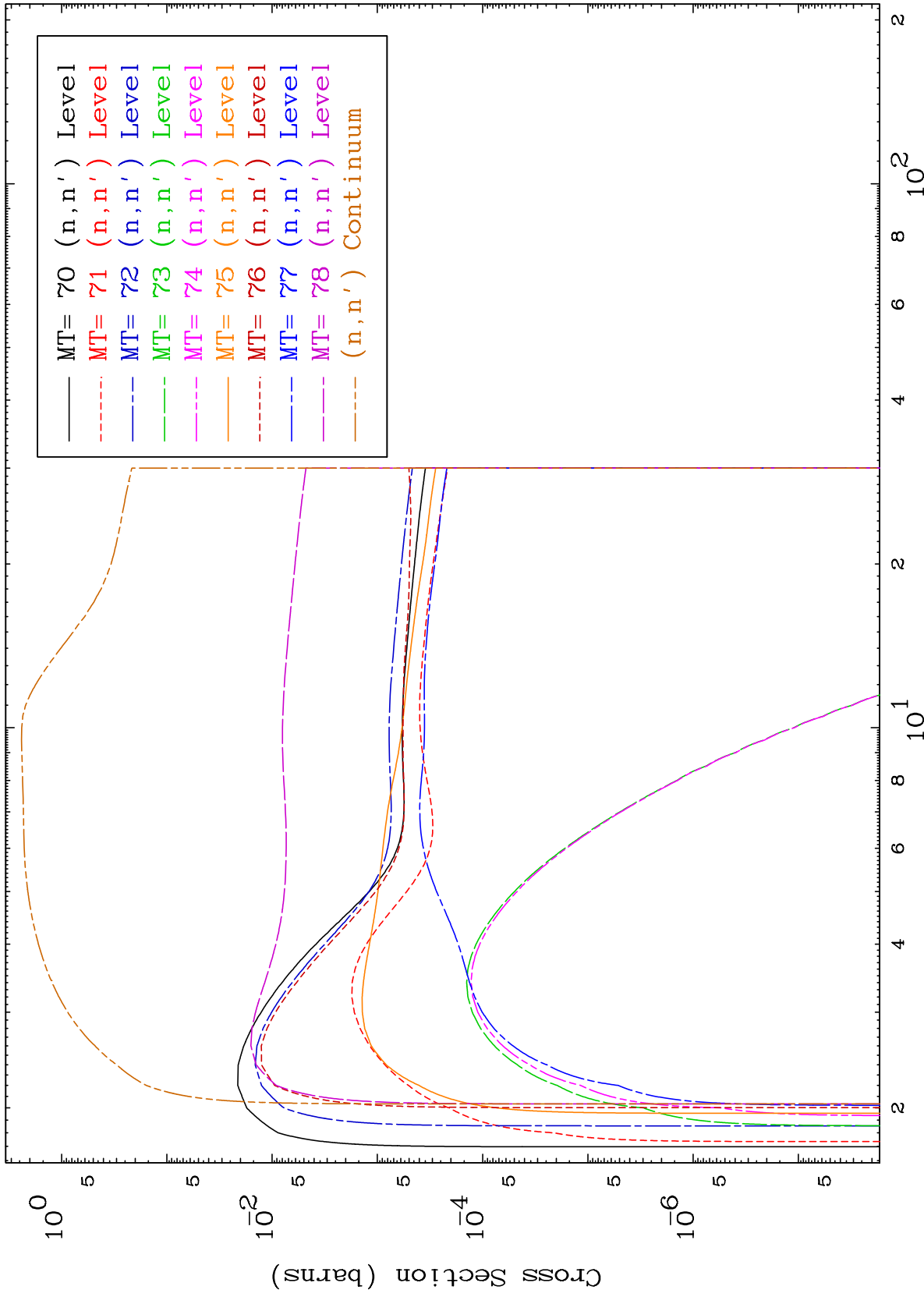
81-T1-195



8

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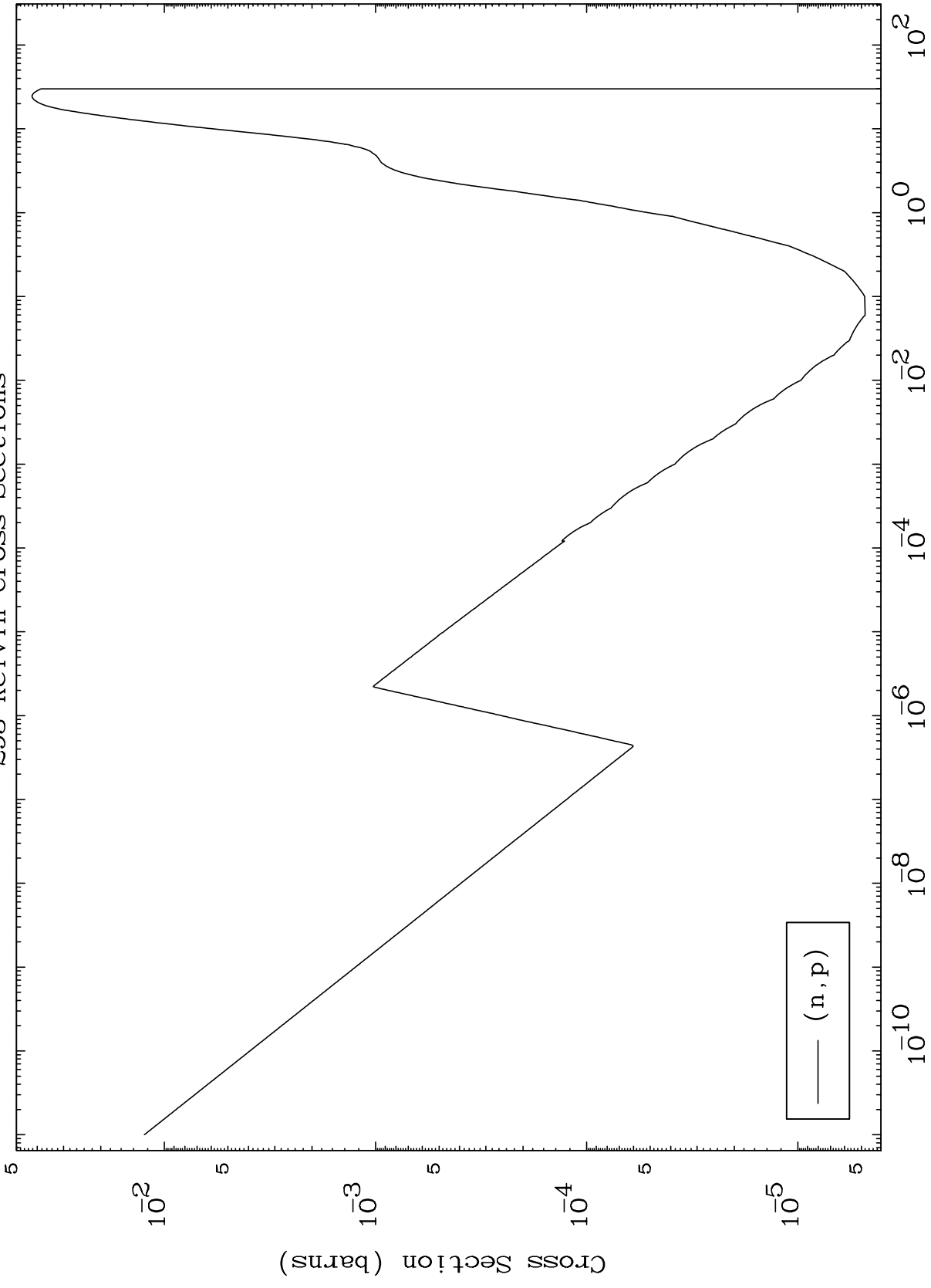
81-T1-195



MAT 8101

(n,p) Levels  
293 Kelvin Cross Sections

81-Tl-195



10

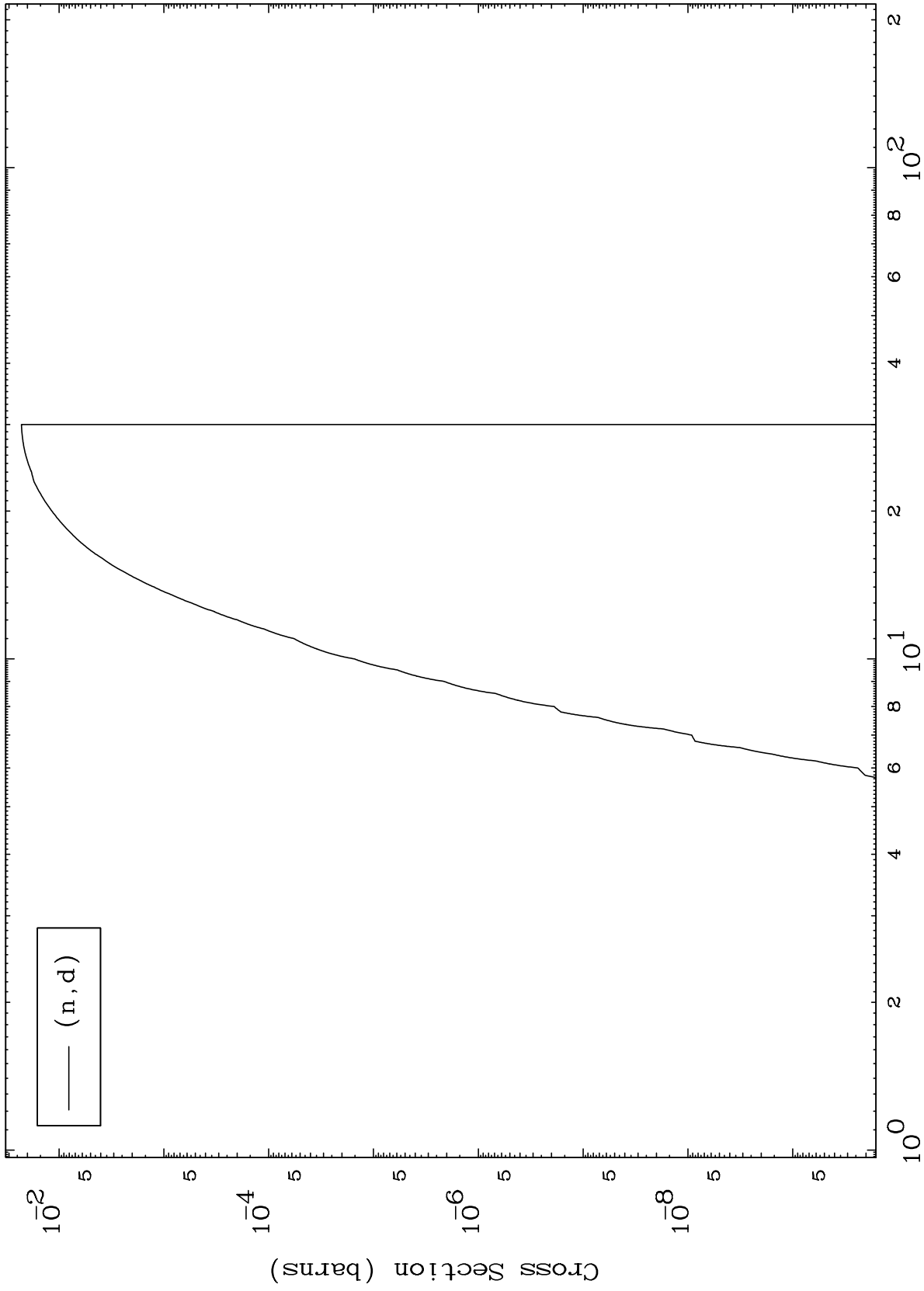
Incident Energy (MeV)

81-Tl-195

MAT 8101

(n,d) Levels  
293 Kelvin Cross Sections

81-T1-195



11

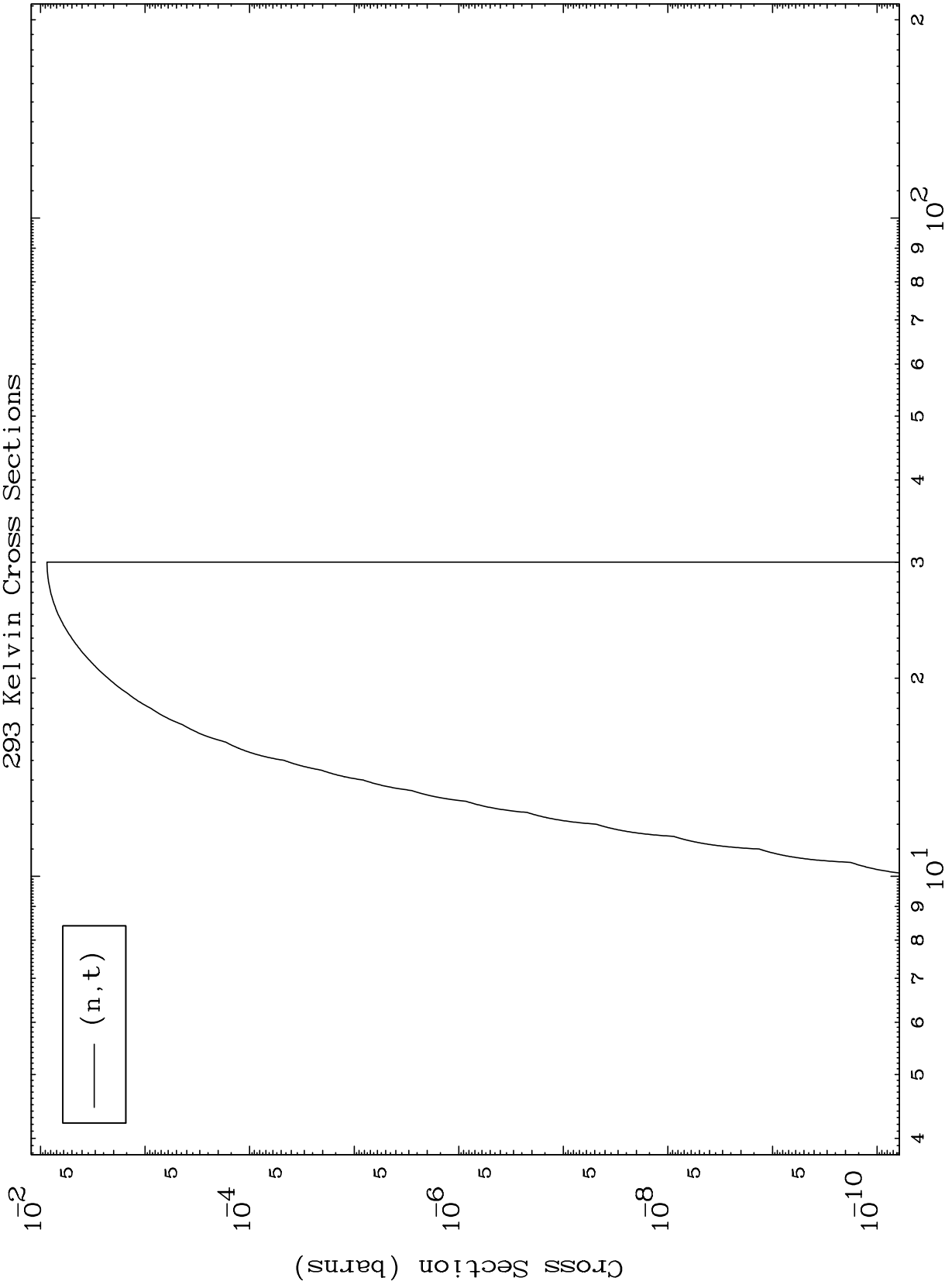
Incident Energy (MeV)

81-T1-195

MAT 8101

(n,t) Levels  
293 Kelvin Cross Sections

81-T1-195



12

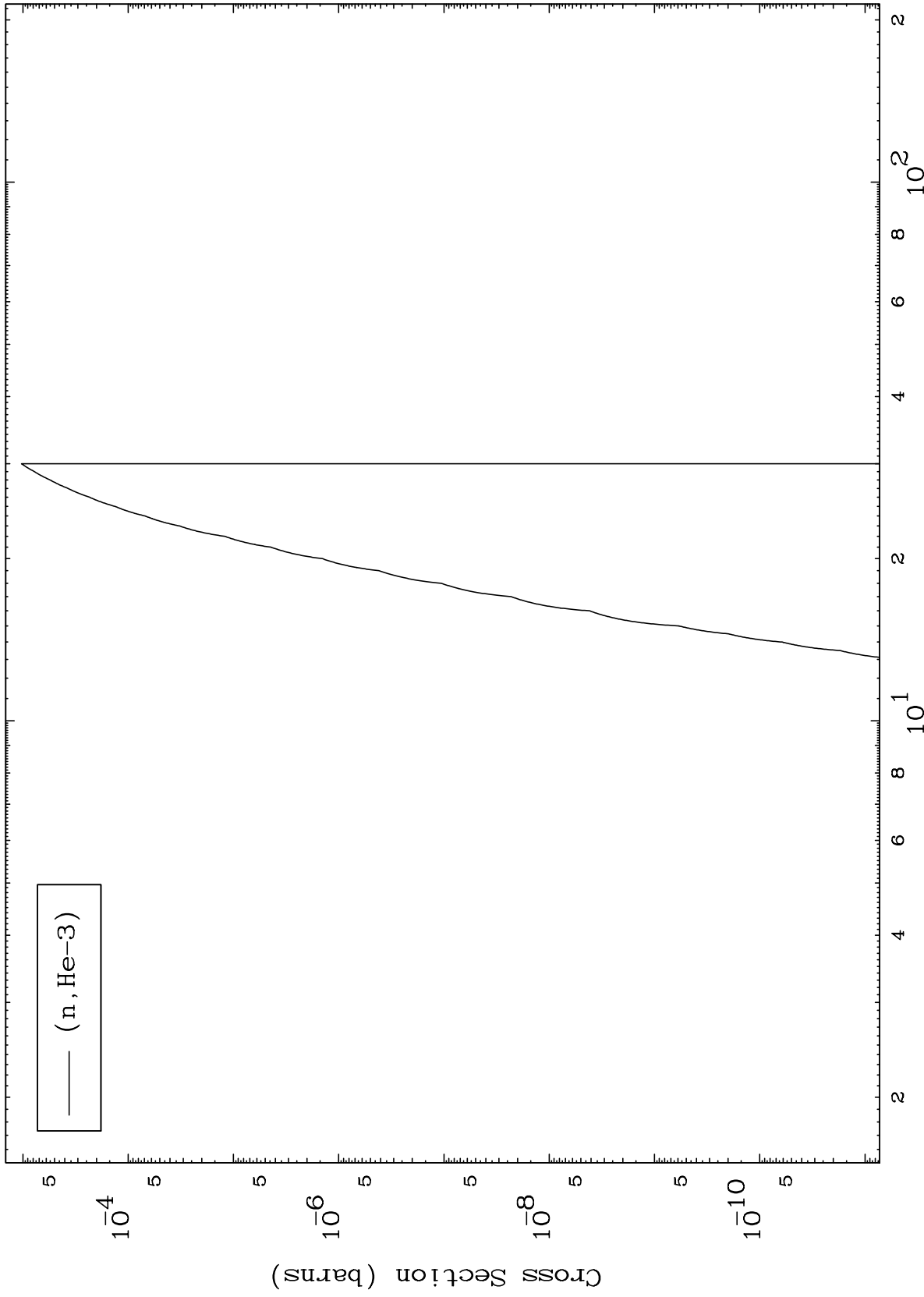
Incident Energy (MeV)

81-T1-195

MAT 8101

(n,He3) Levels  
293 Kelvin Cross Sections

81-Tl-195



13

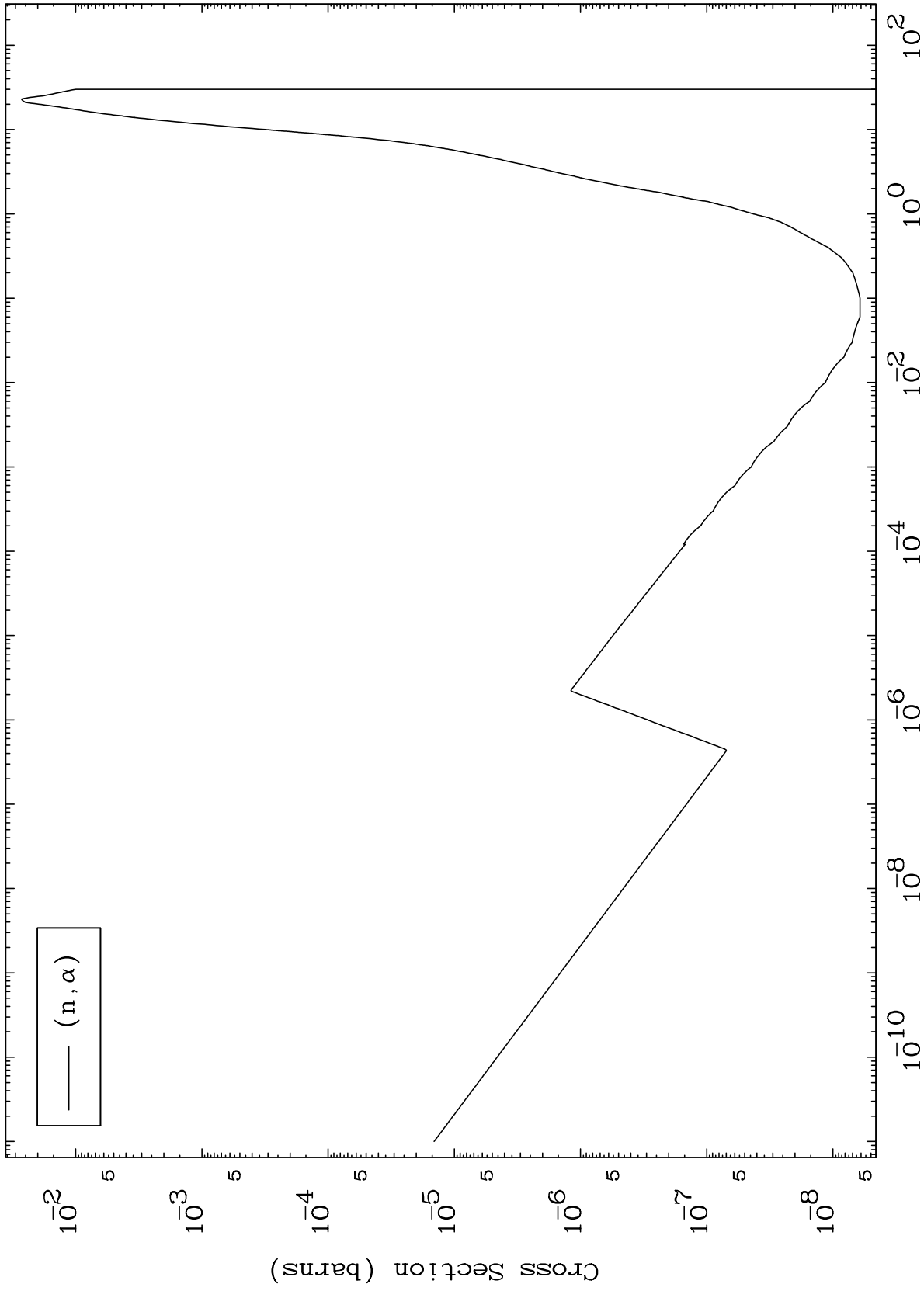
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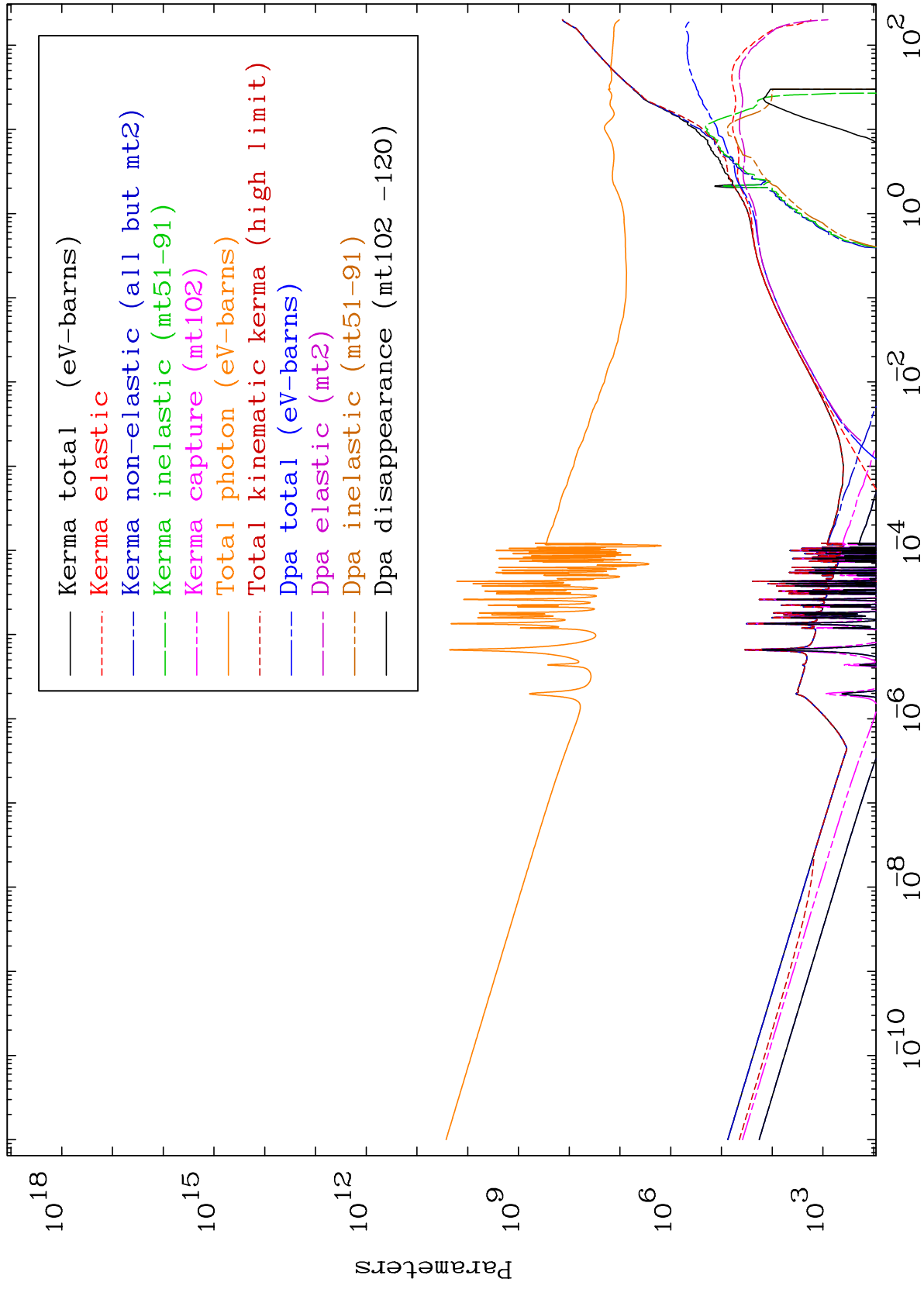
81-Tl-195

MAT 8101

(n,α) Levels  
293 Kelvin Cross Sections

81-Tl-195



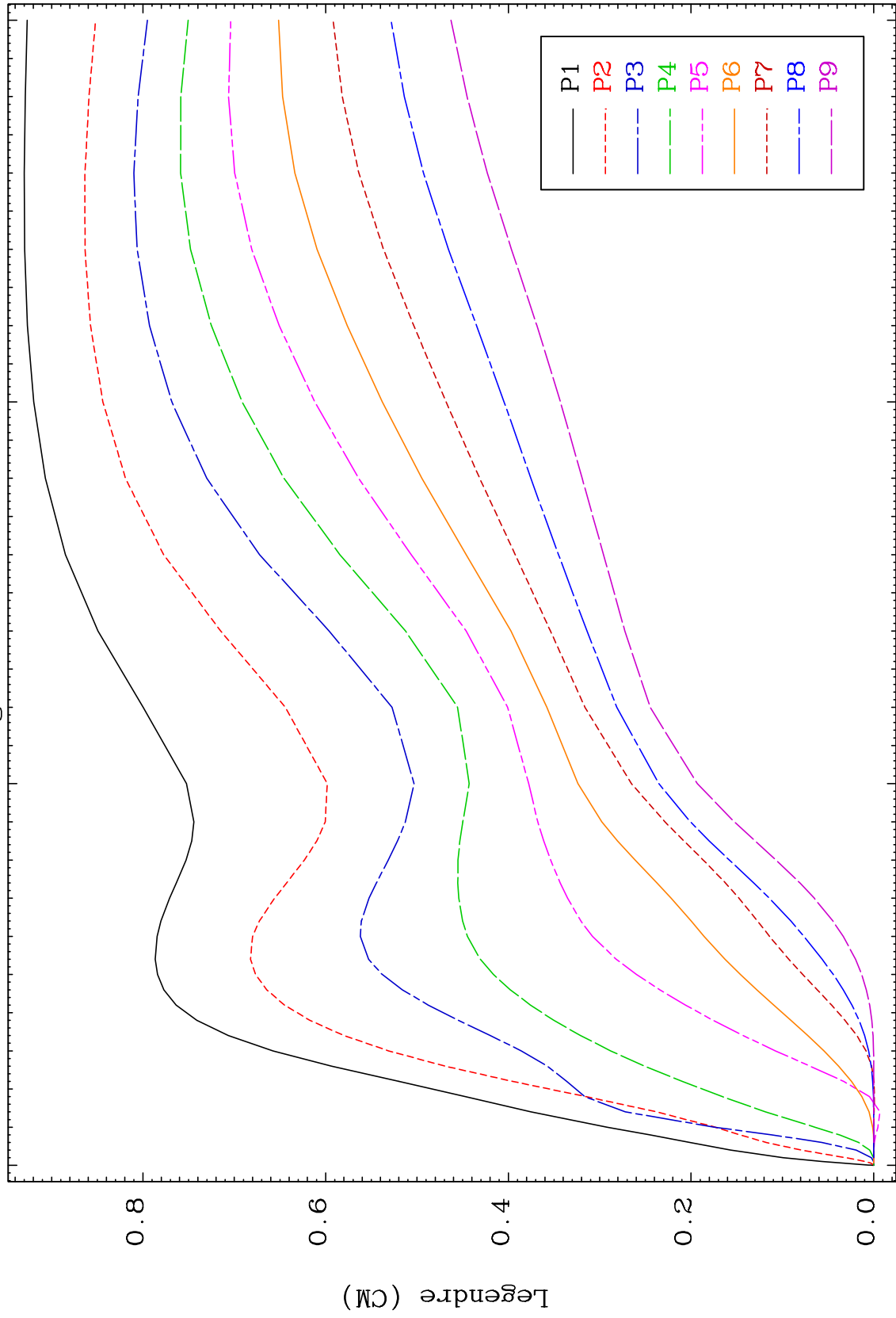




MAT 8101

Elastic Legendre Coefficients

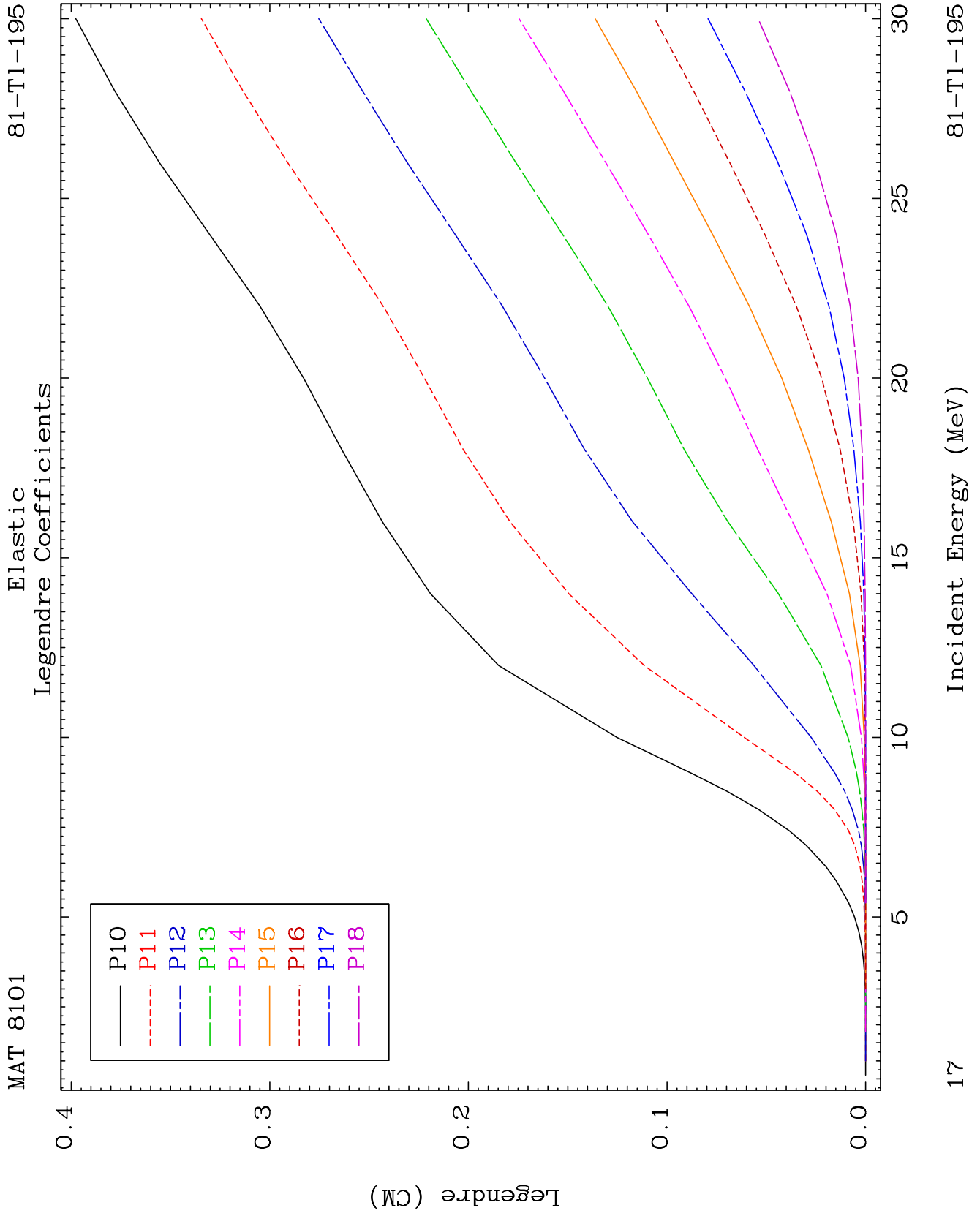
81-T1-195



16

Incident Energy (MeV)

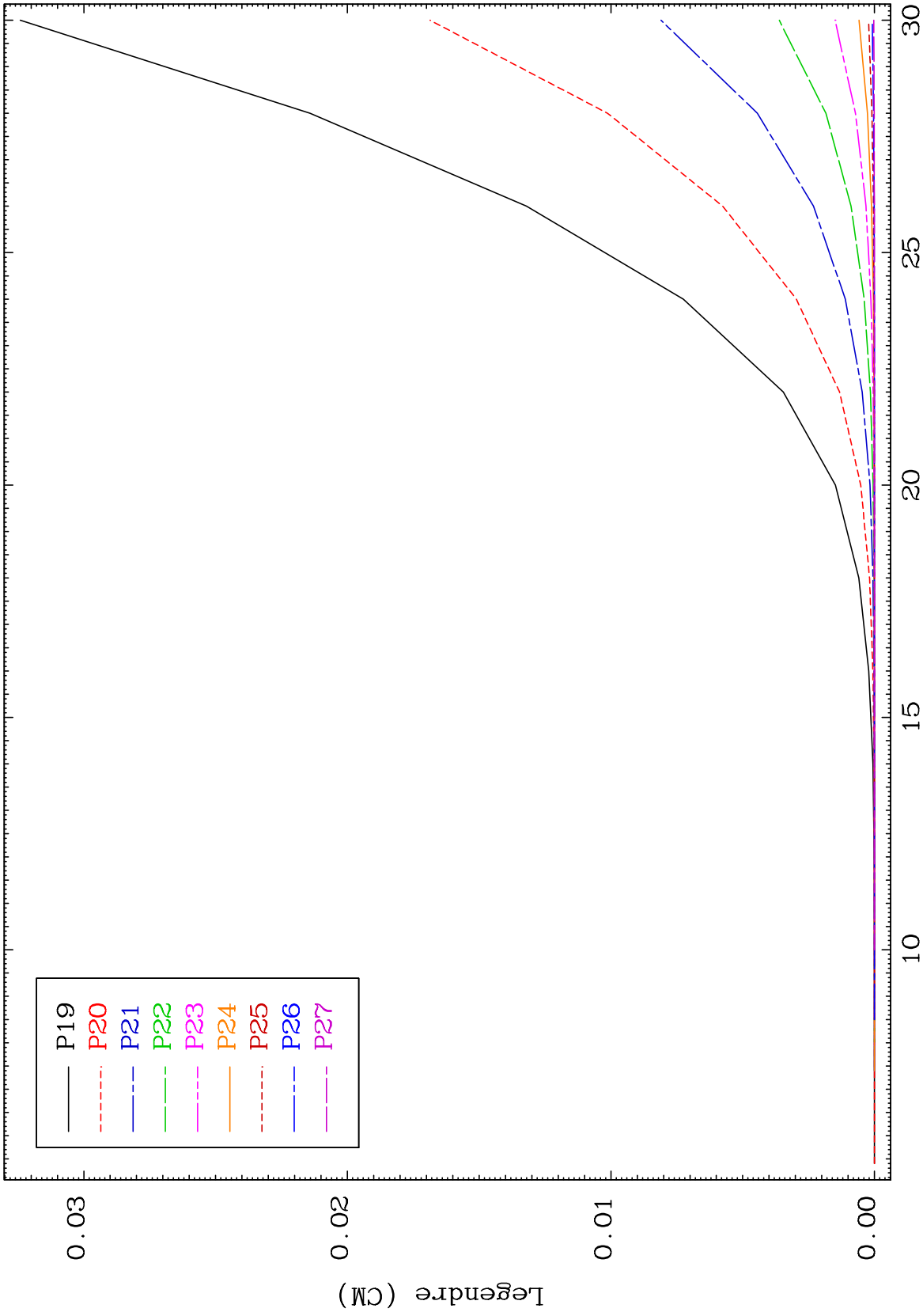
81-T1-195



MAT 8101

### Elastic Legendre Coefficients

81-T1-195



18

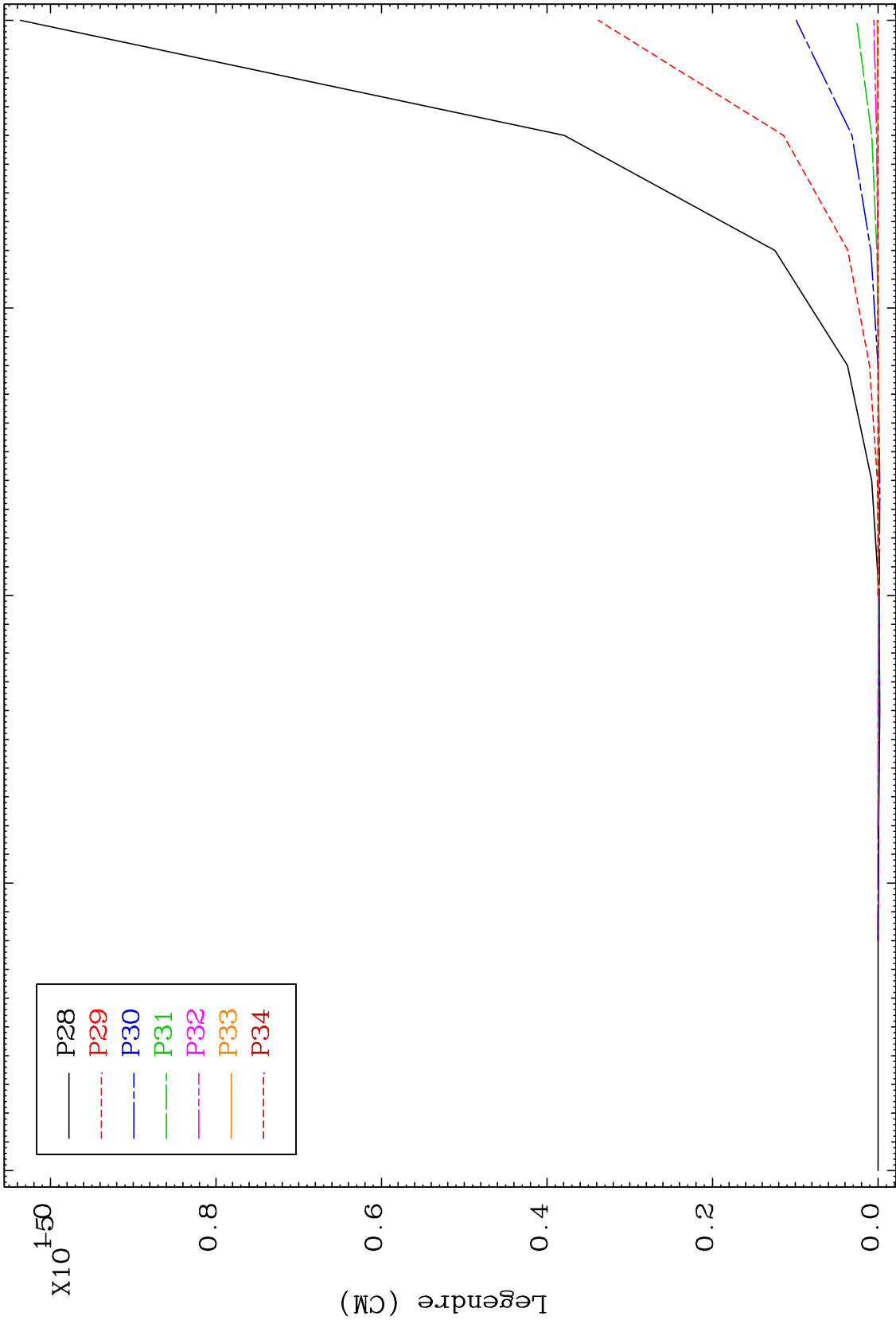
Incident Energy (MeV)

81-T1-195

MAT 8101

Elastic Legendre Coefficients

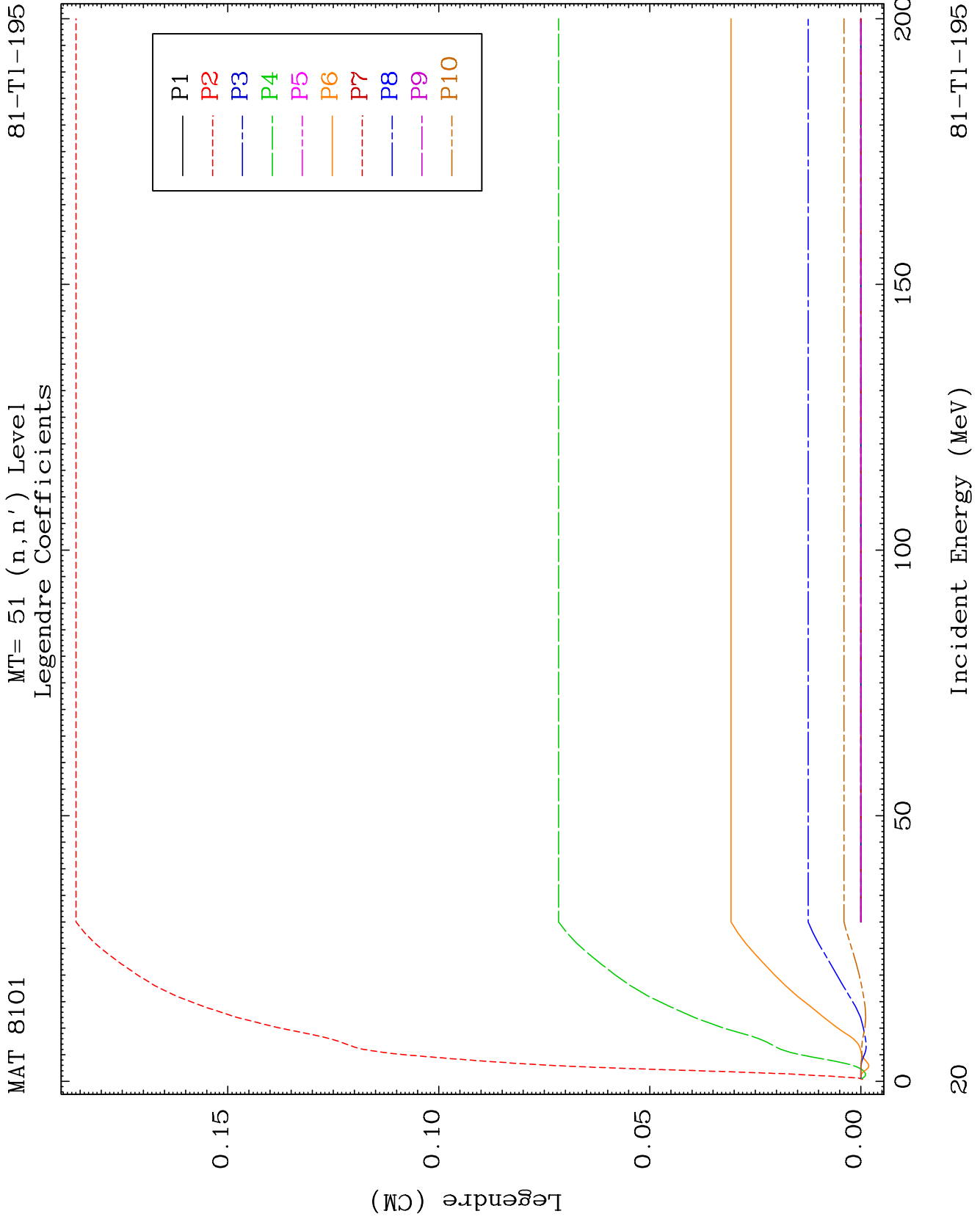
81-T1-195



19

Incident Energy (MeV)

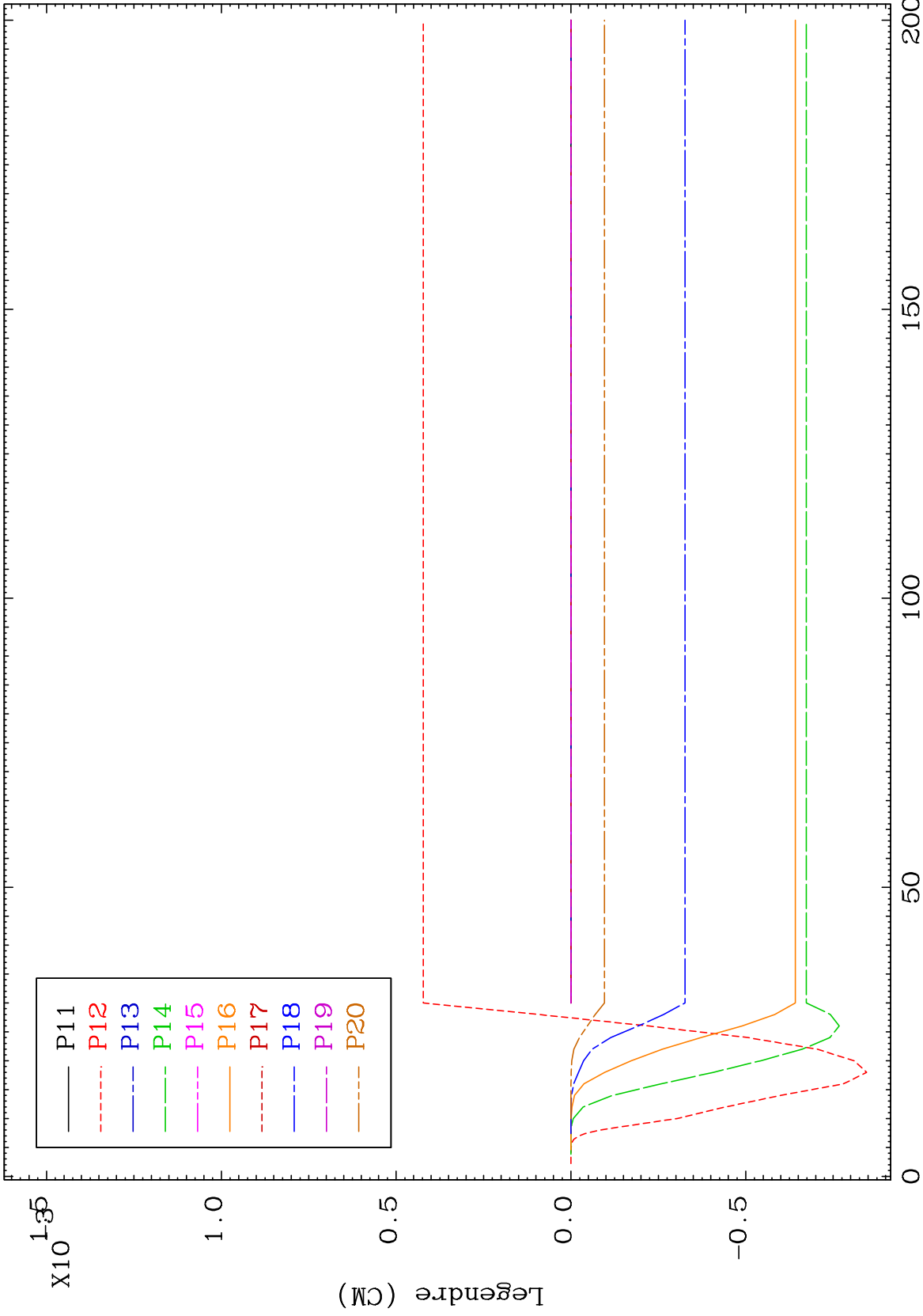
81-T1-195



MAT 8101

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

81-T1-195



21

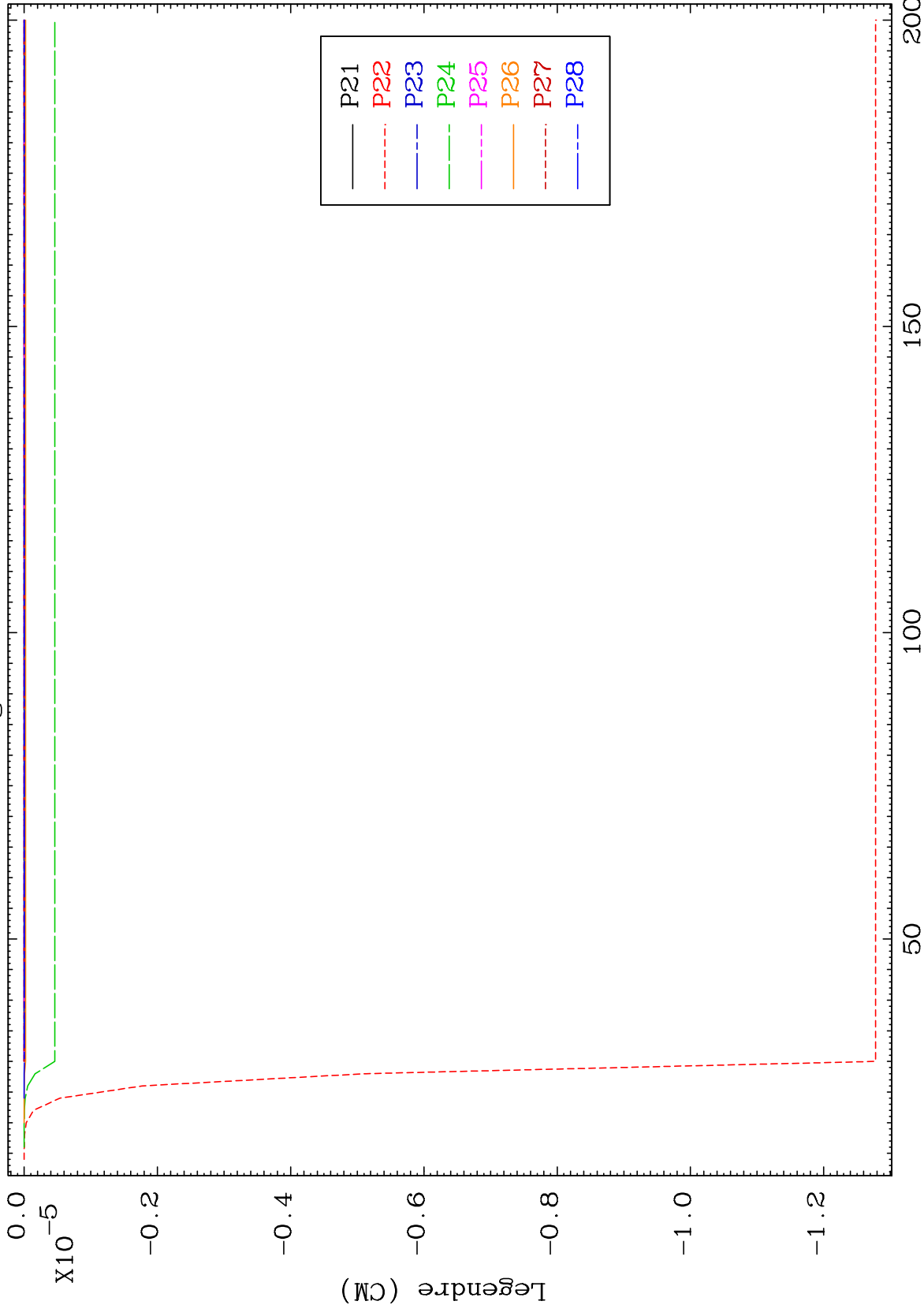
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



22

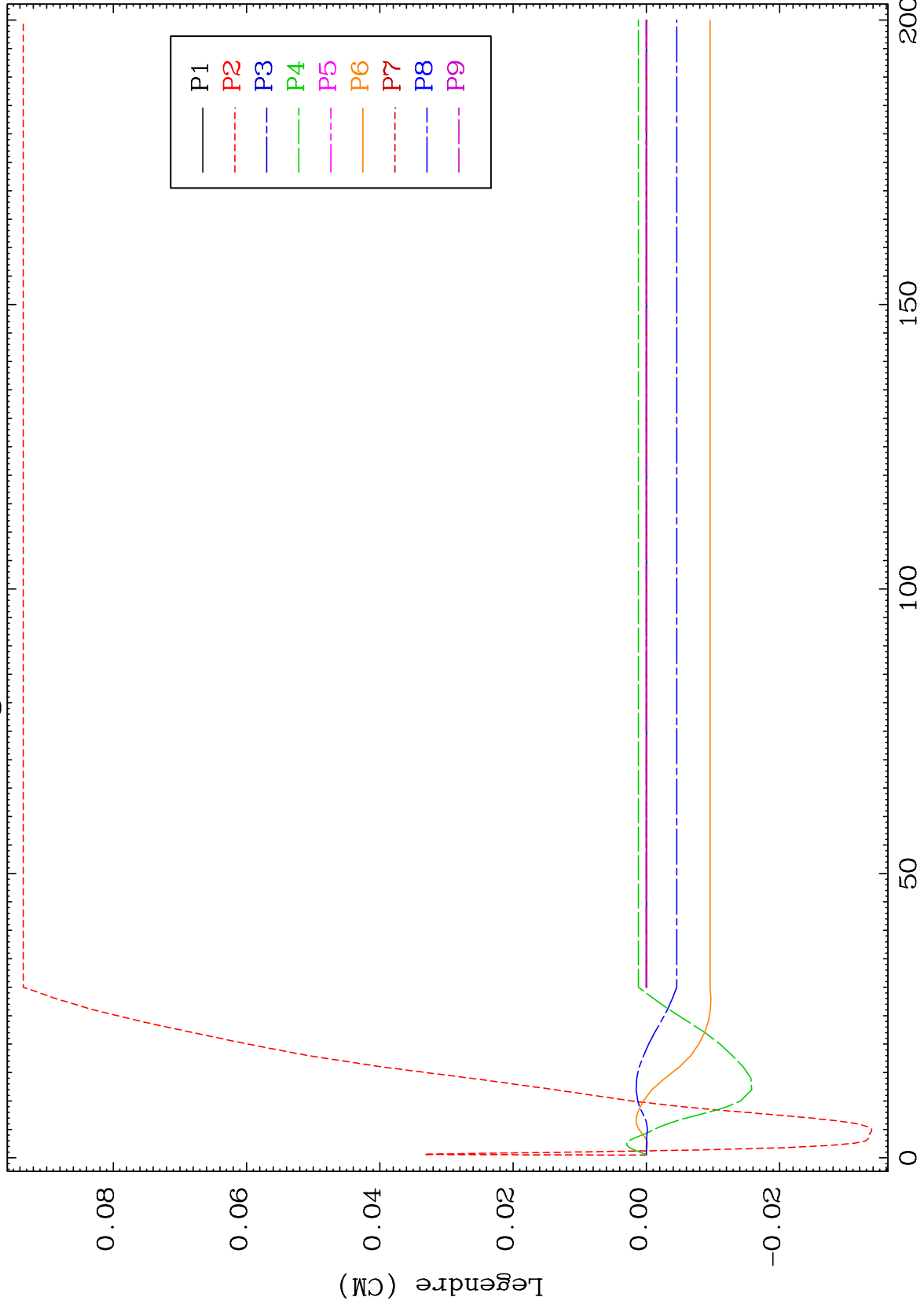
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



23

Incident Energy (MeV)

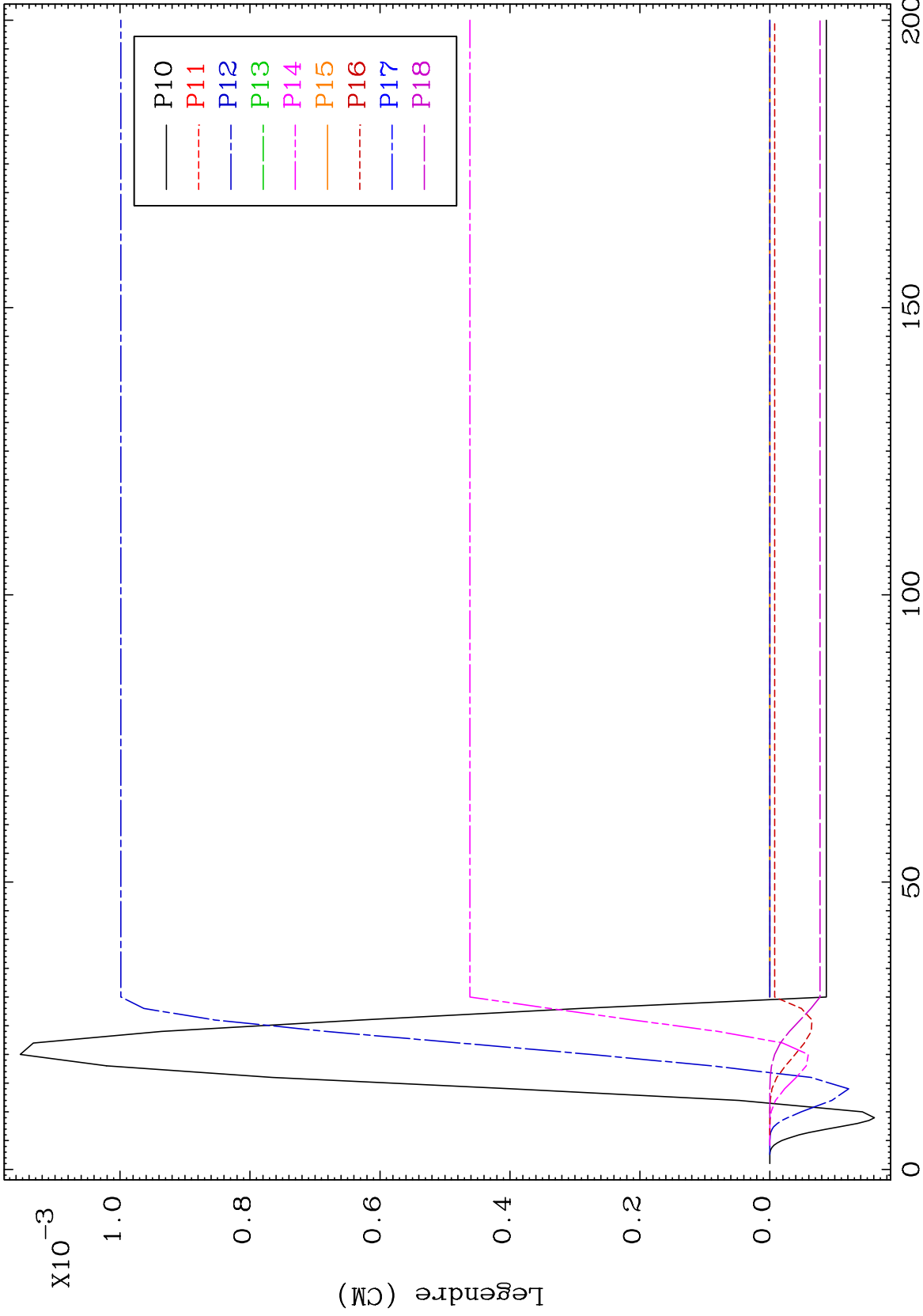
81-T1-195



MAT 8101

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

81-T1-195



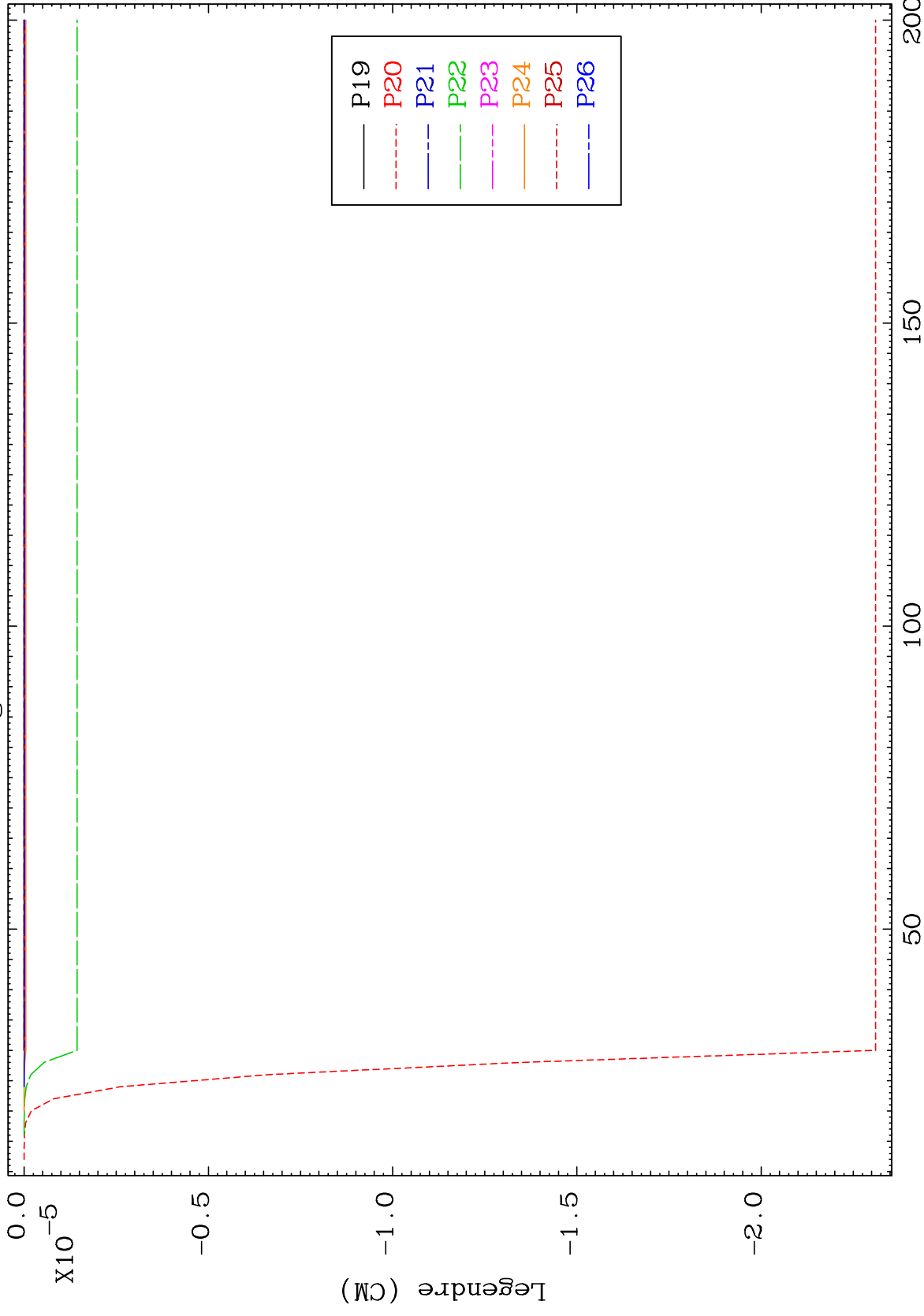
24

81-T1-195

MAT 8101

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

81-T1-195



81-T1-195

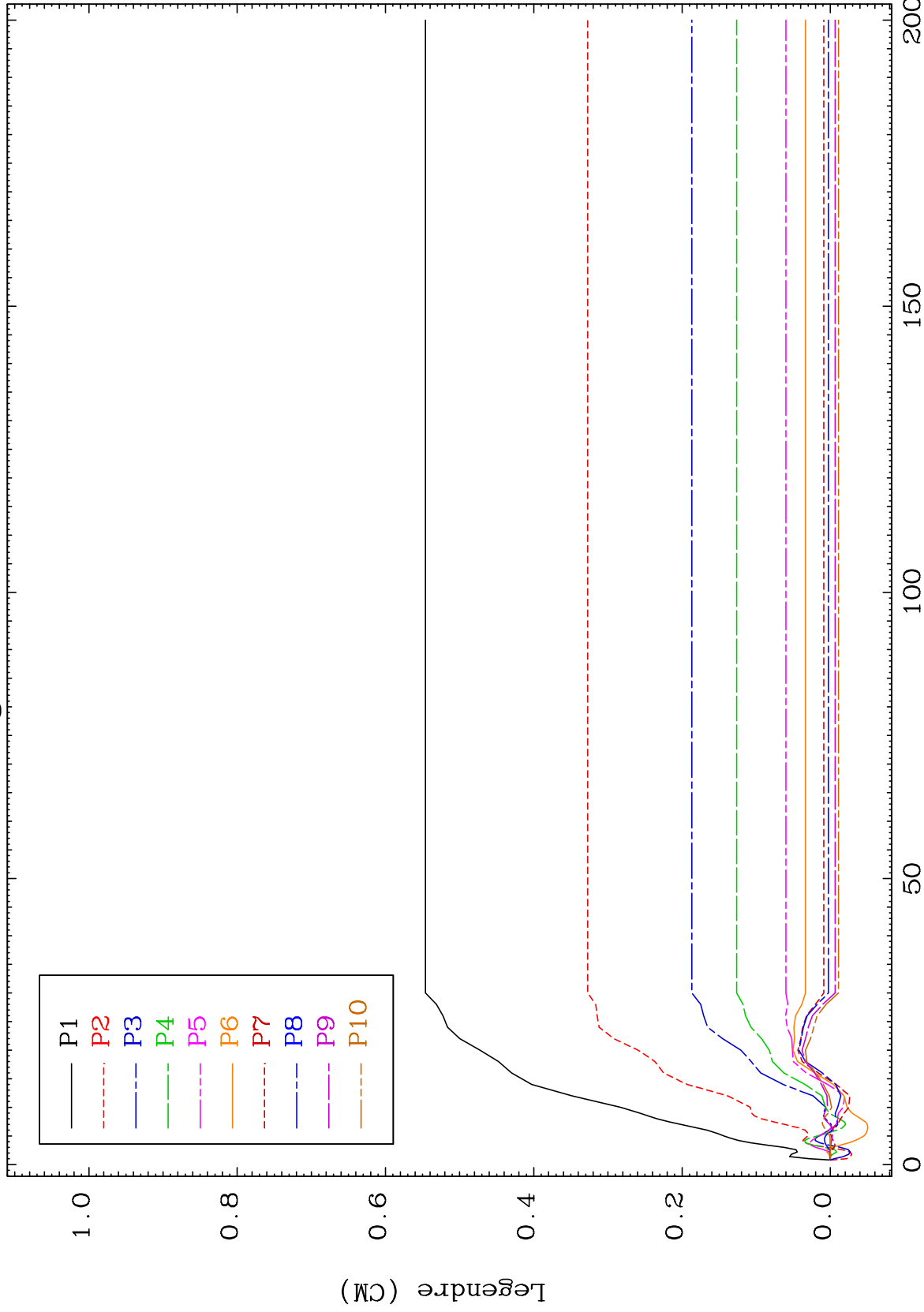
Incident Energy (MeV)

25

MAT 8101

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

81-T1-195



26

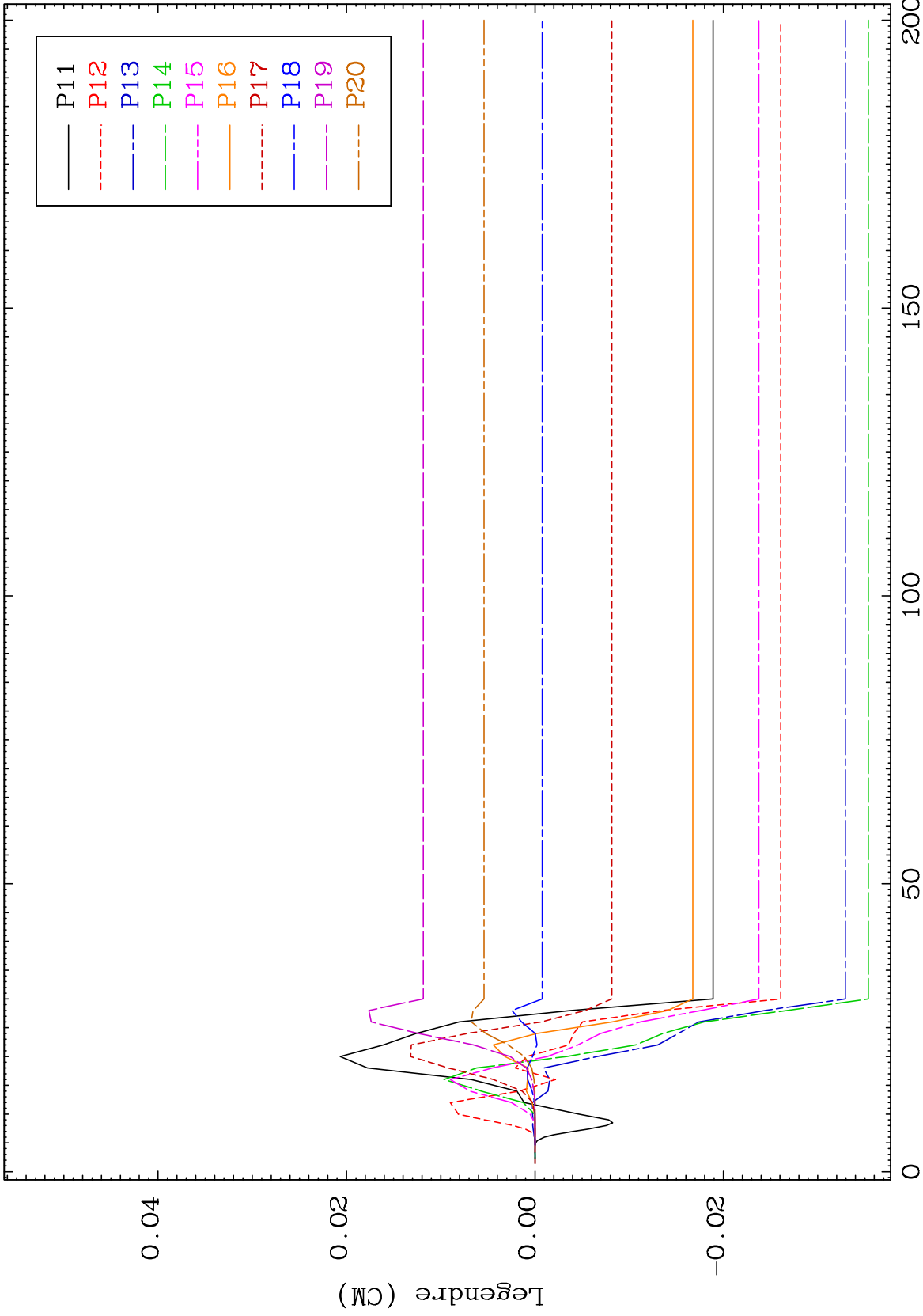
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



27

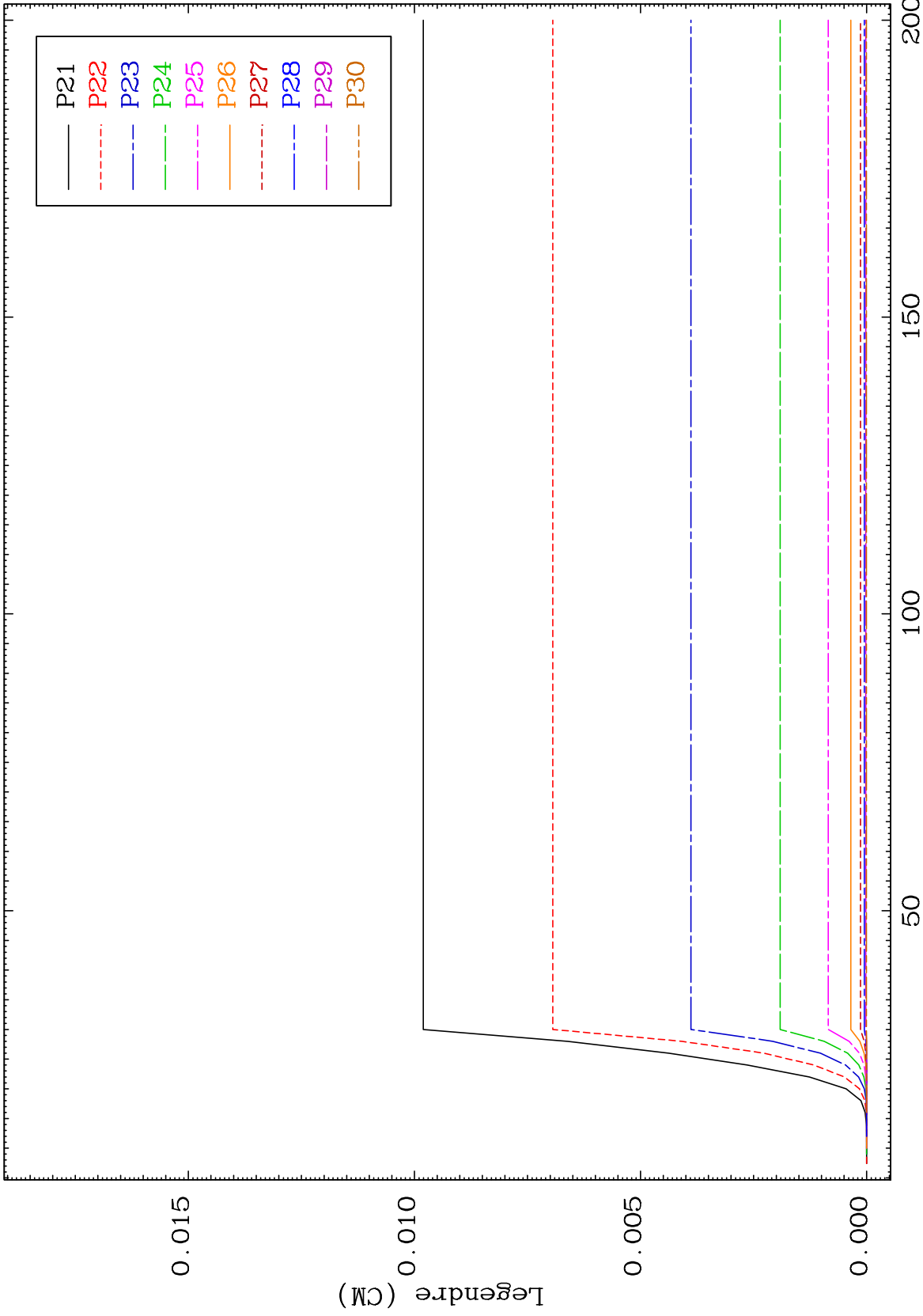
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



28

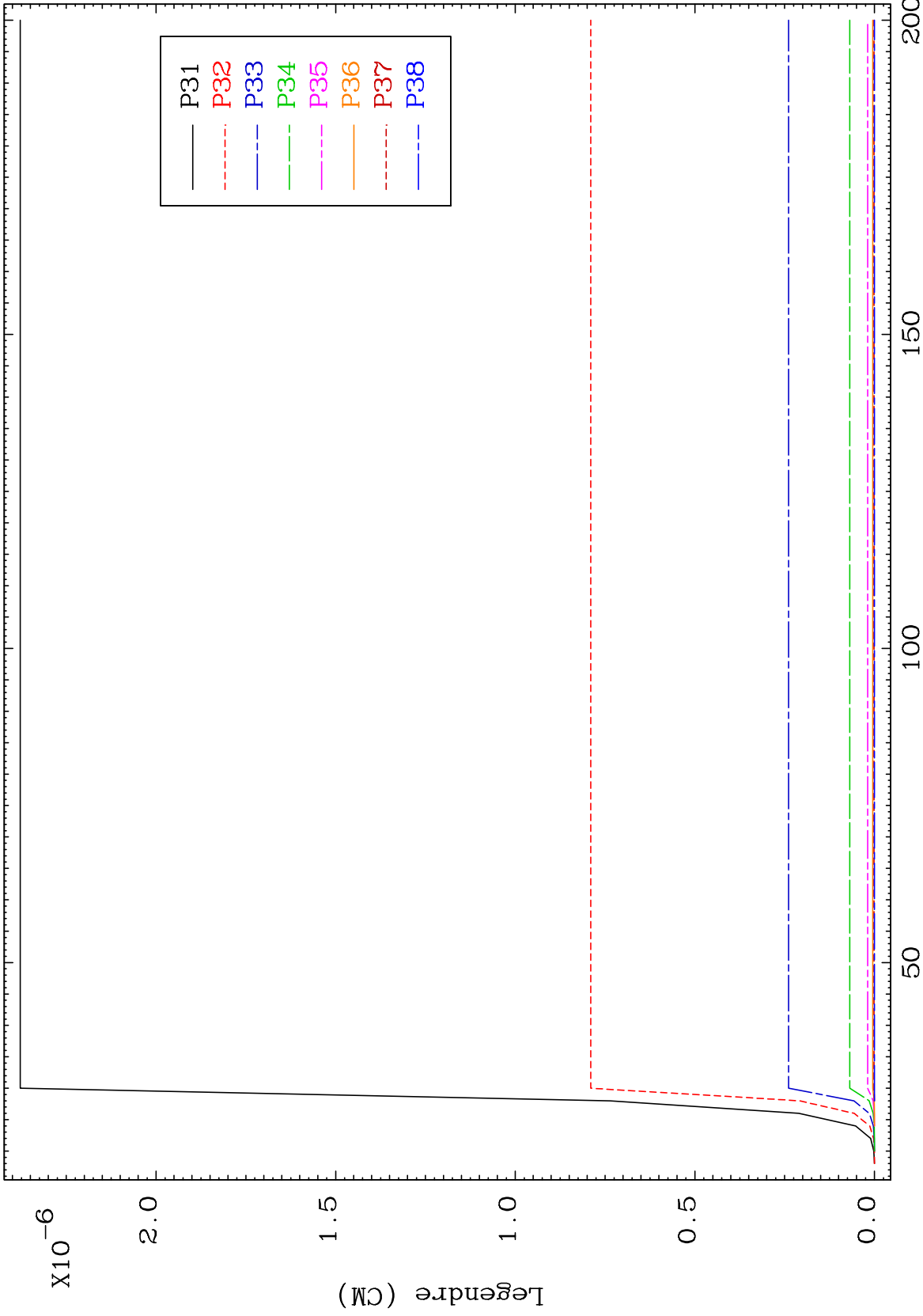
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



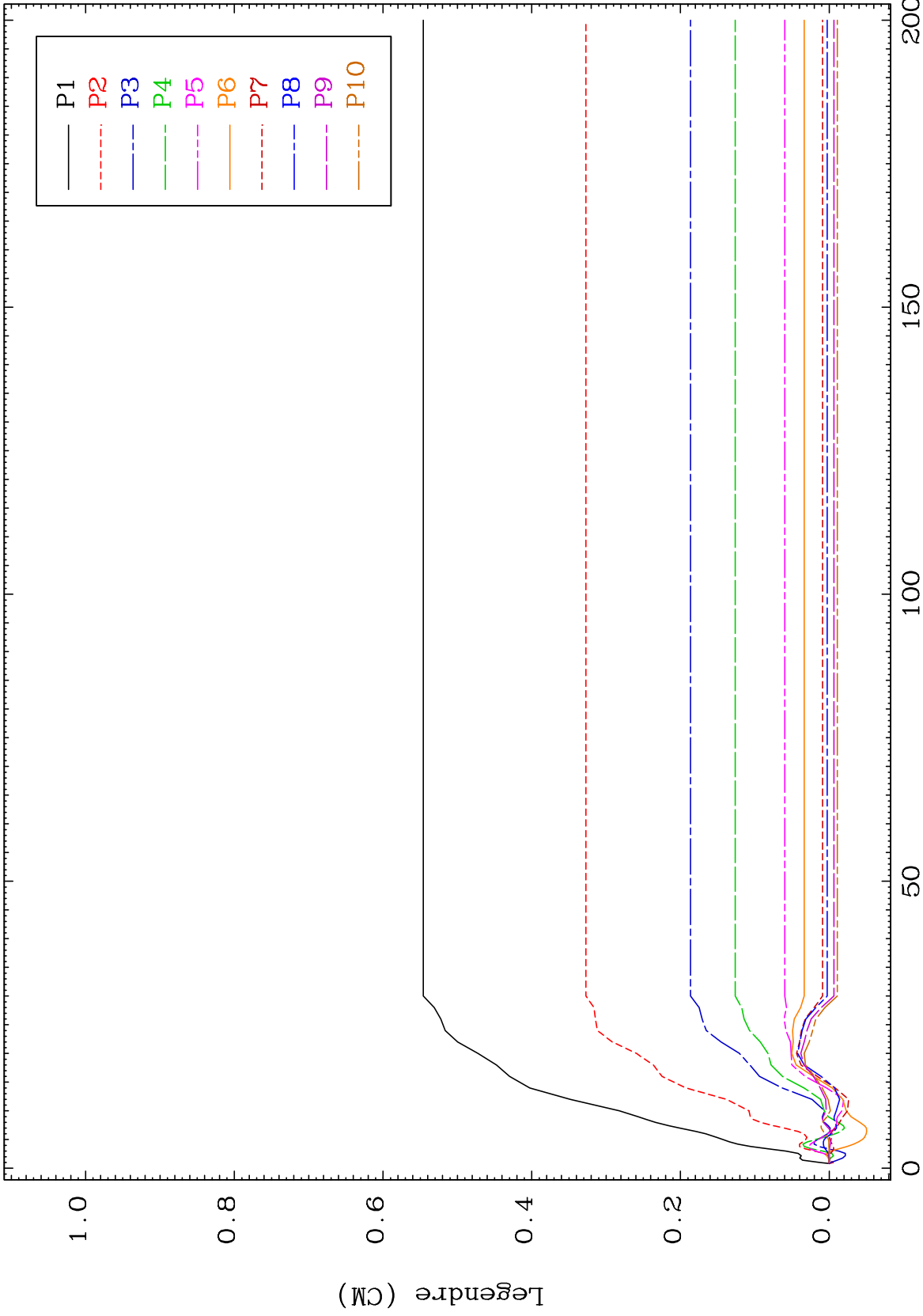
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81-T1-195

MAT 8101

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

81-T1-195



81-T1-195

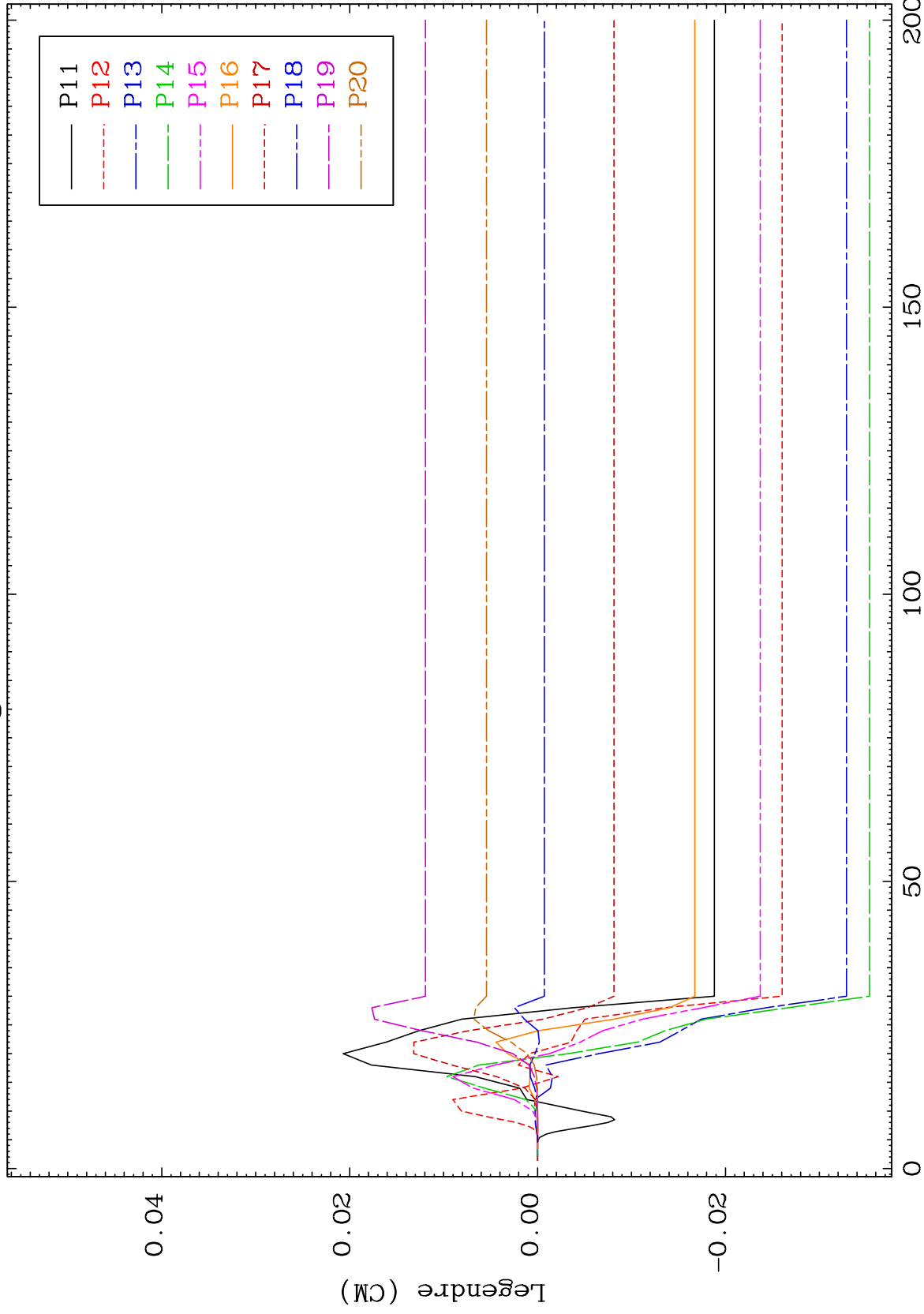
Incident Energy (MeV)

30

MAT 8101

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

81-T1-195



31

Incident Energy (MeV)

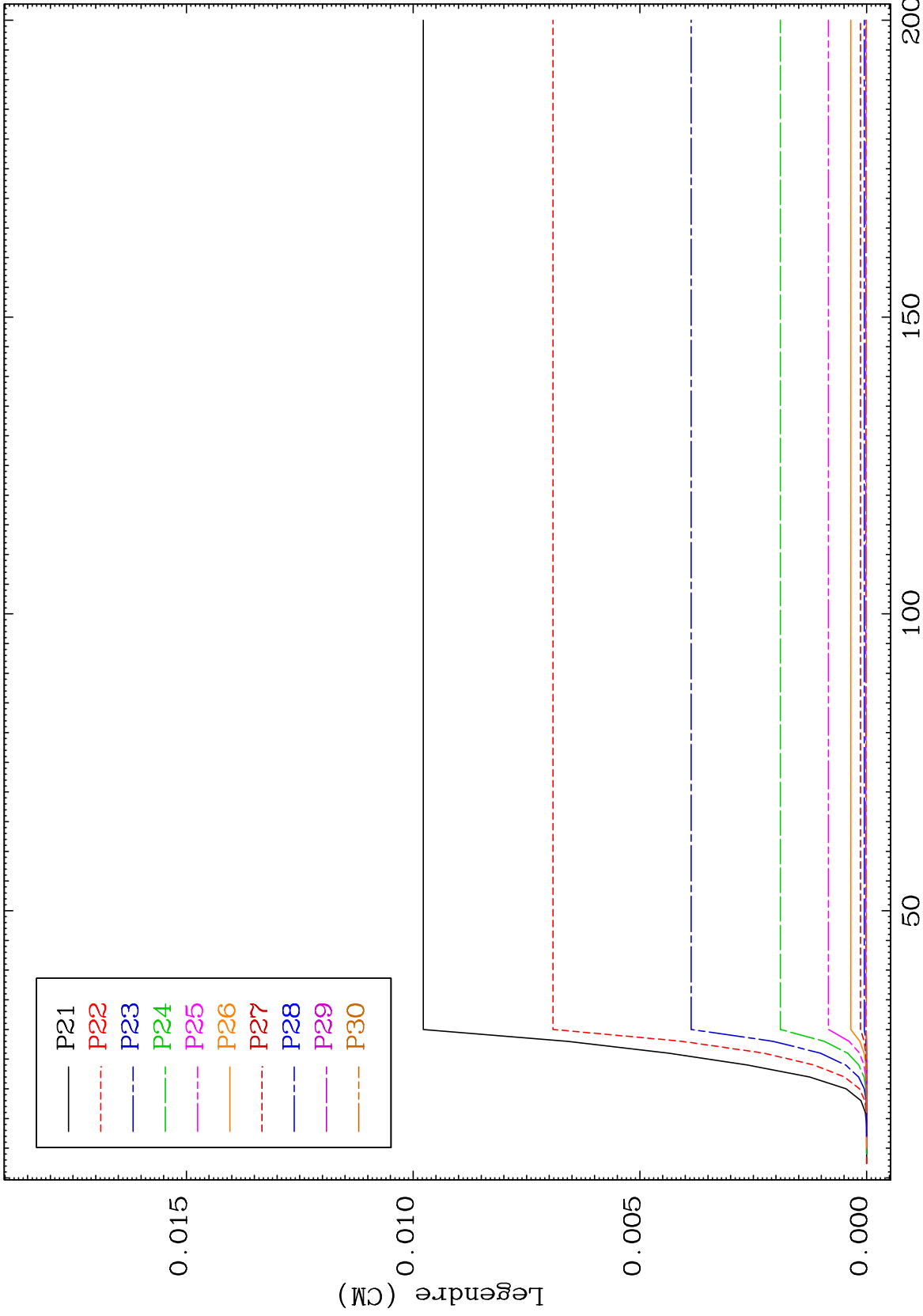
81-T1-195



MAT 8101

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

81-Tl-195



32

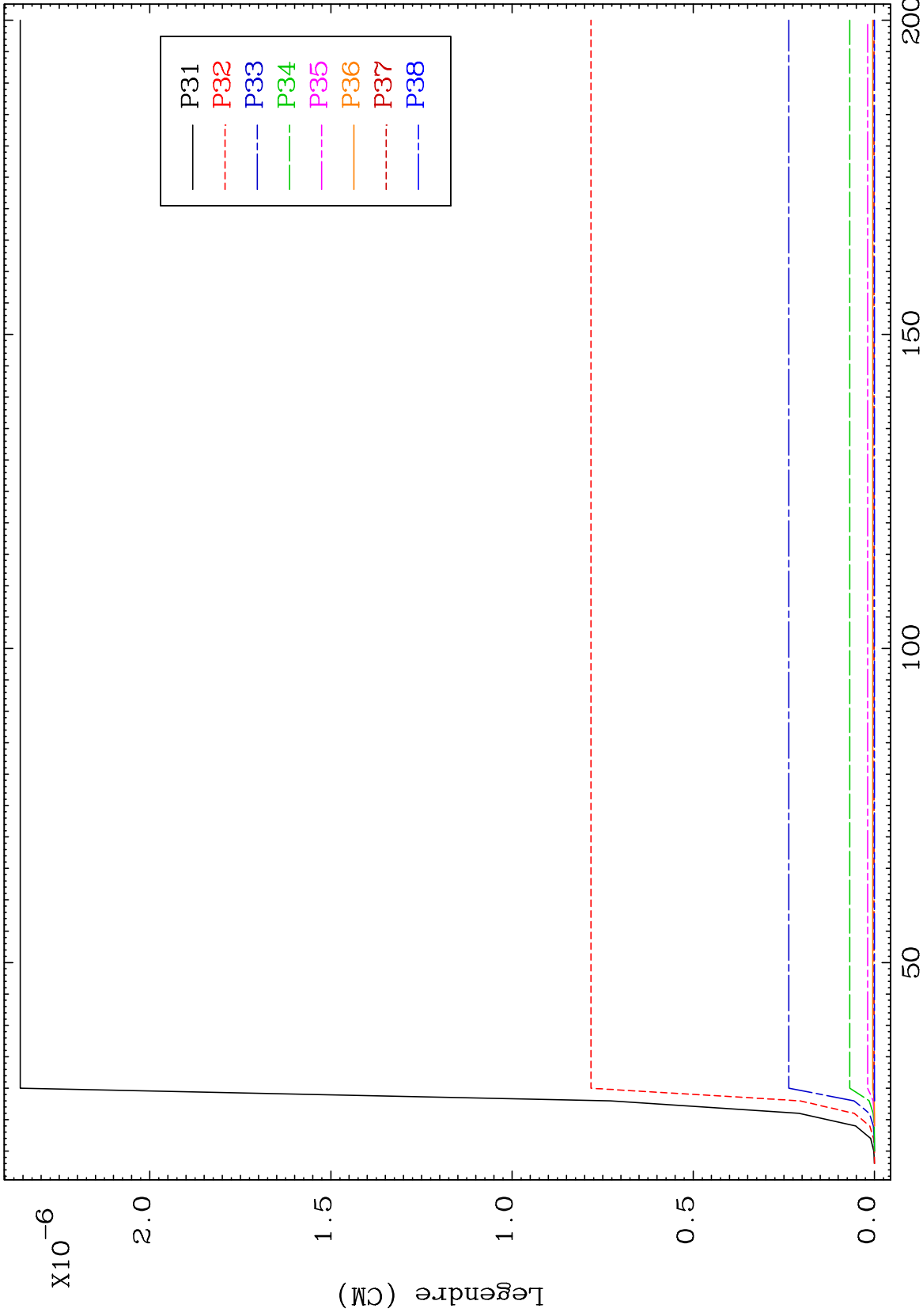
Incident Energy (MeV)

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MAT 8101

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

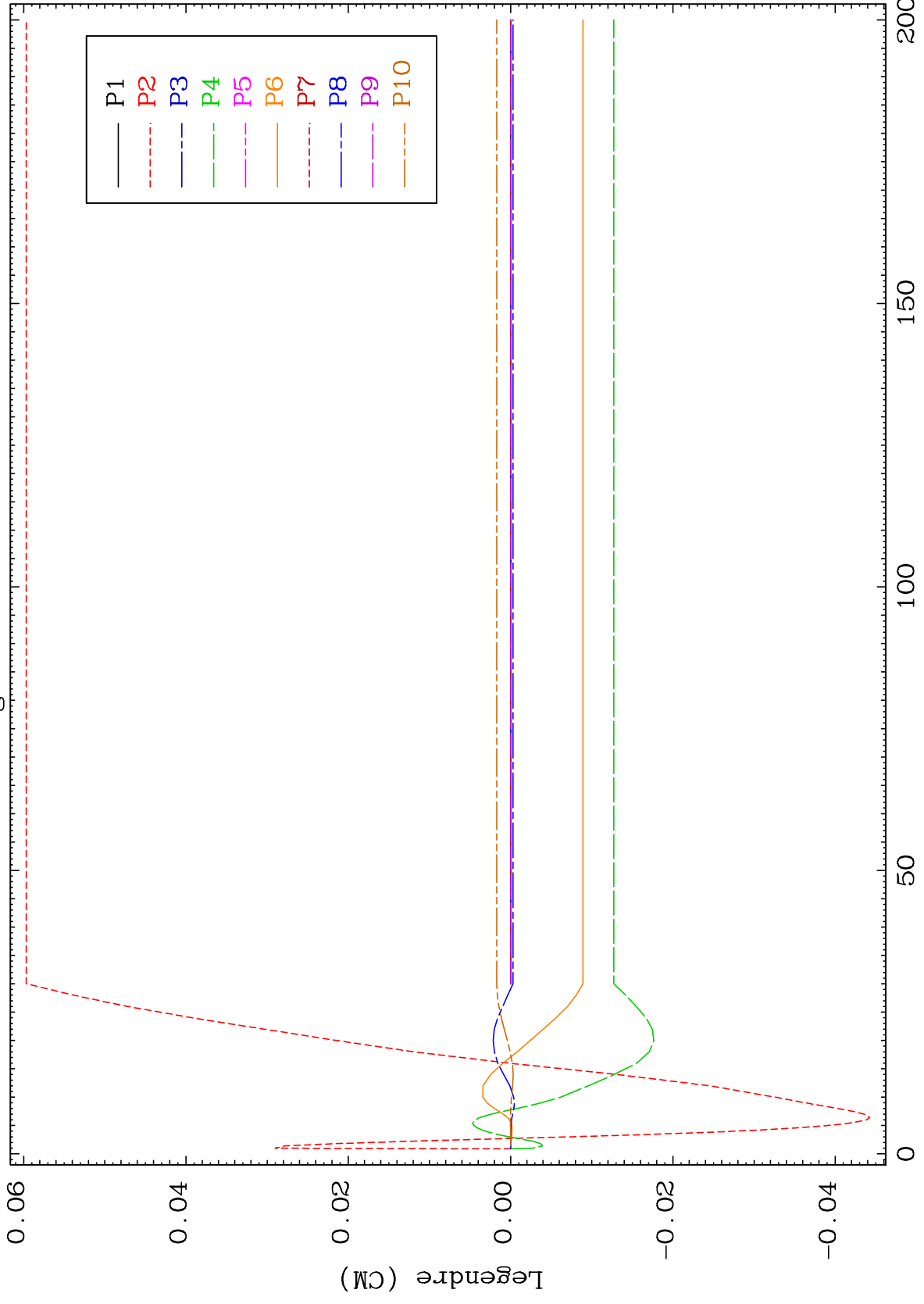
81-T1-195



33

81-T1-195

MAT 8101 MT= 55 (n,n') Level Legendre Coefficients 81-T1-195

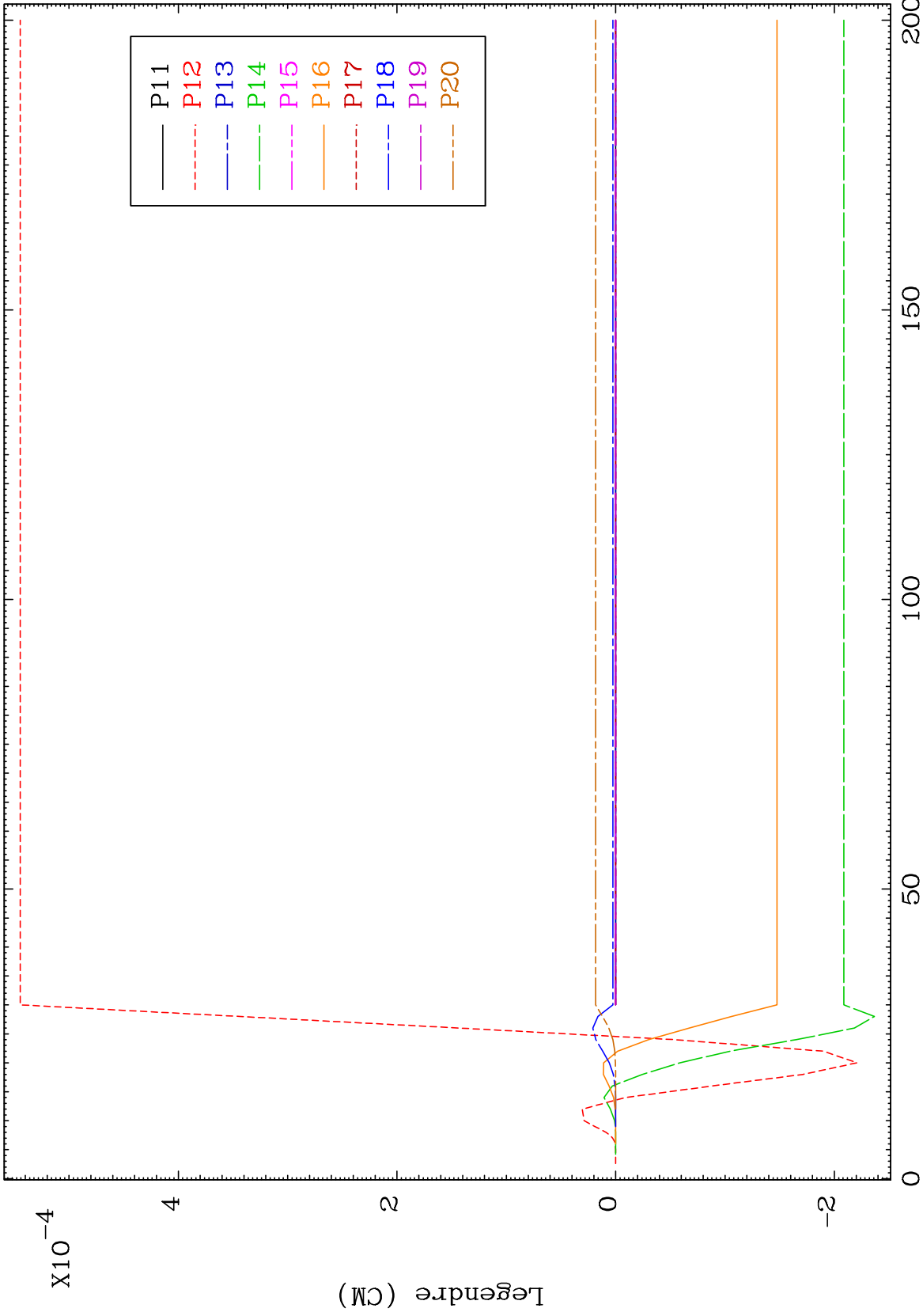


34 81-T1-195

MAT 8101

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

81-T1-195

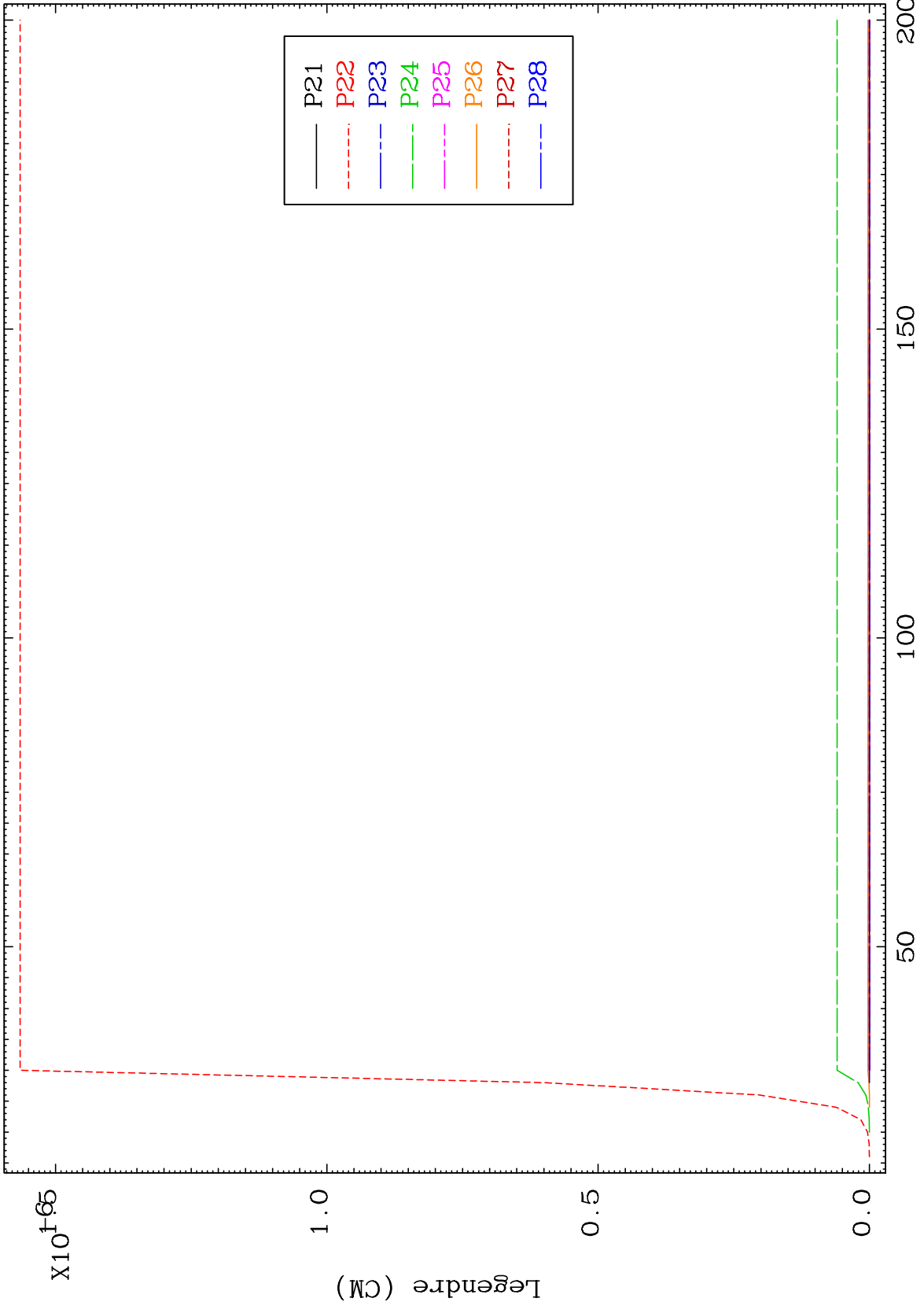


35

Incident Energy (MeV)

81-T1-195

MAT 8101 MT= 55 (n,n') Level Legendre Coefficients 81-T1-195

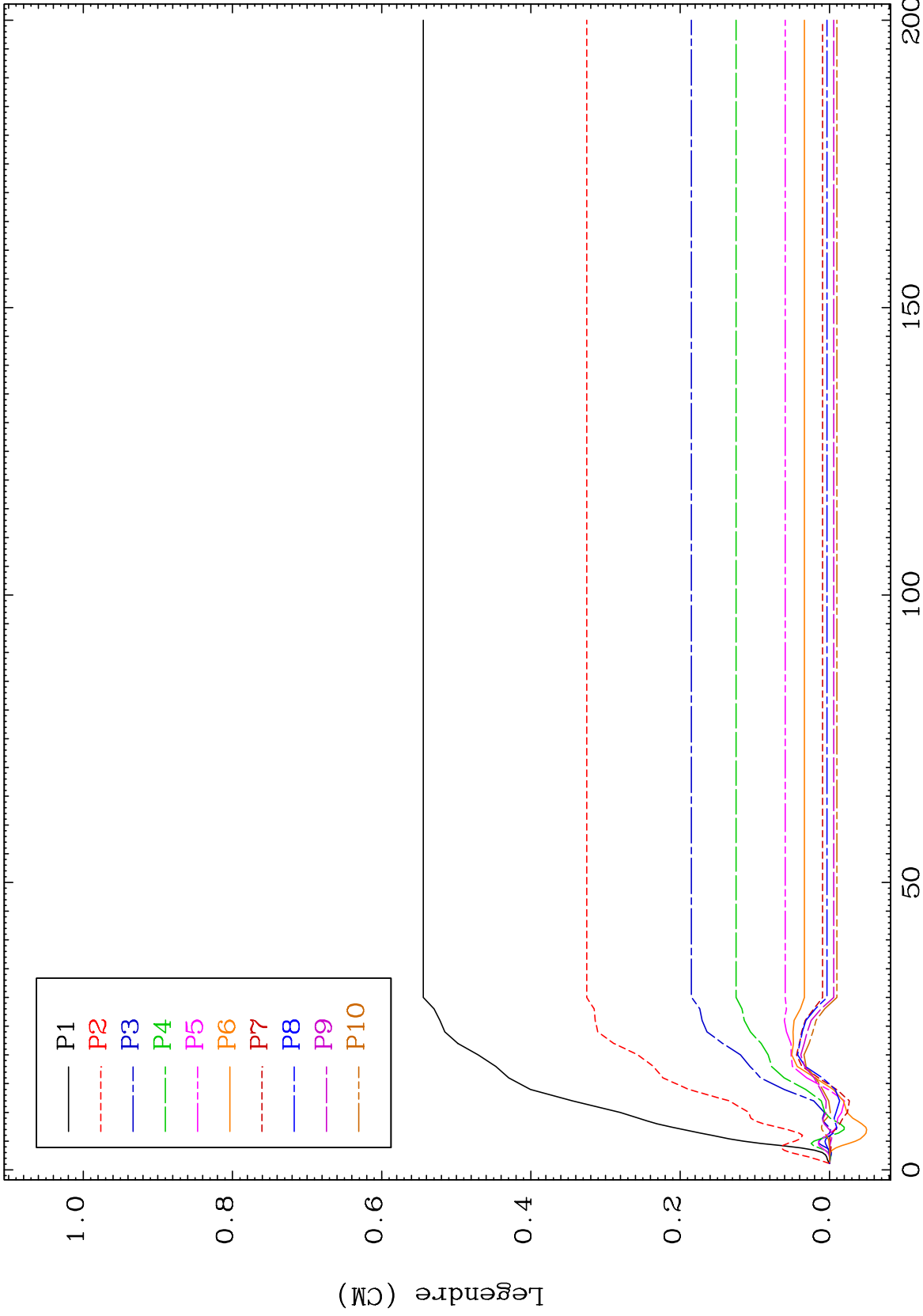


36 81-T1-195

MAT 8101

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

81-T1-195



37

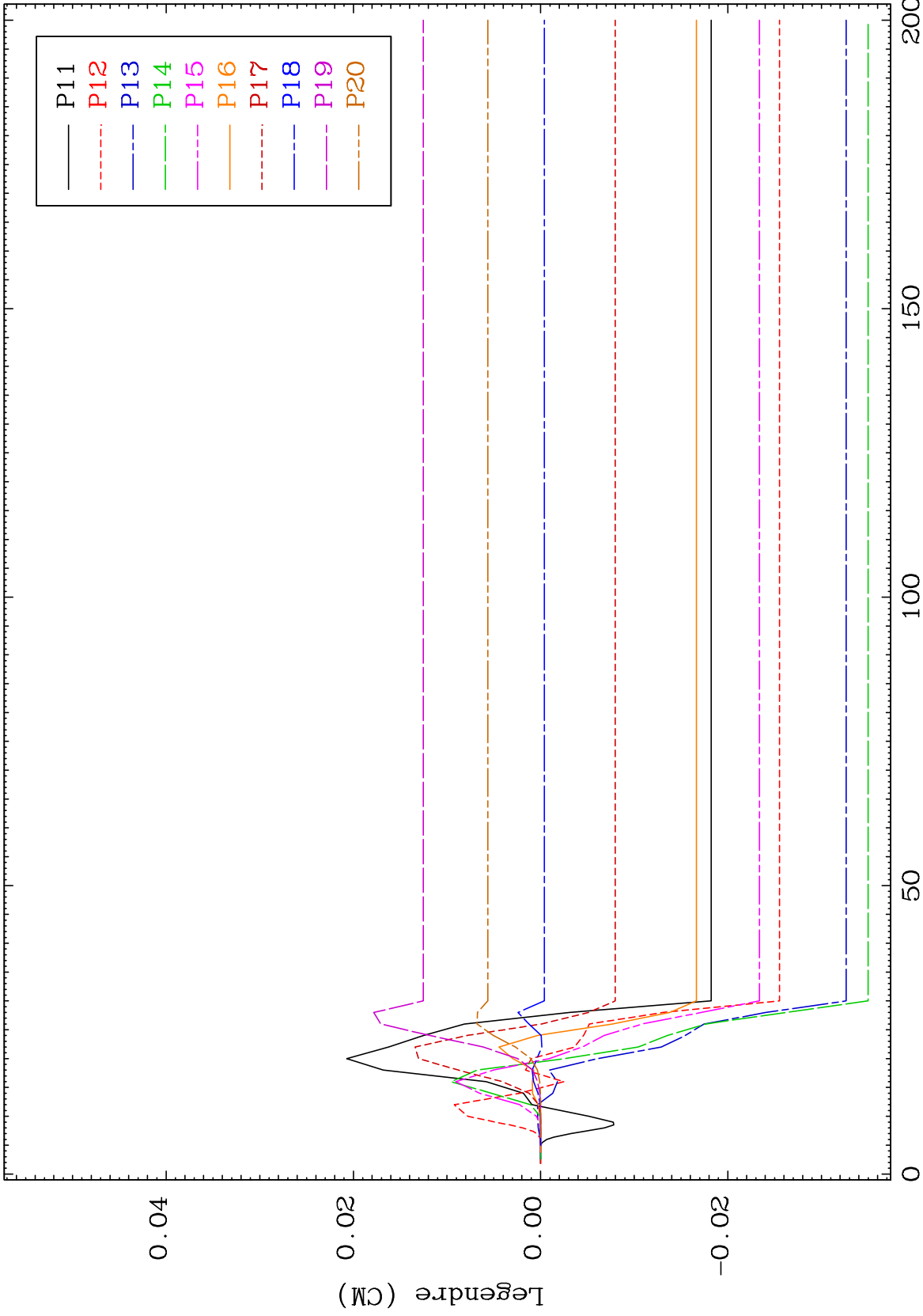
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



38

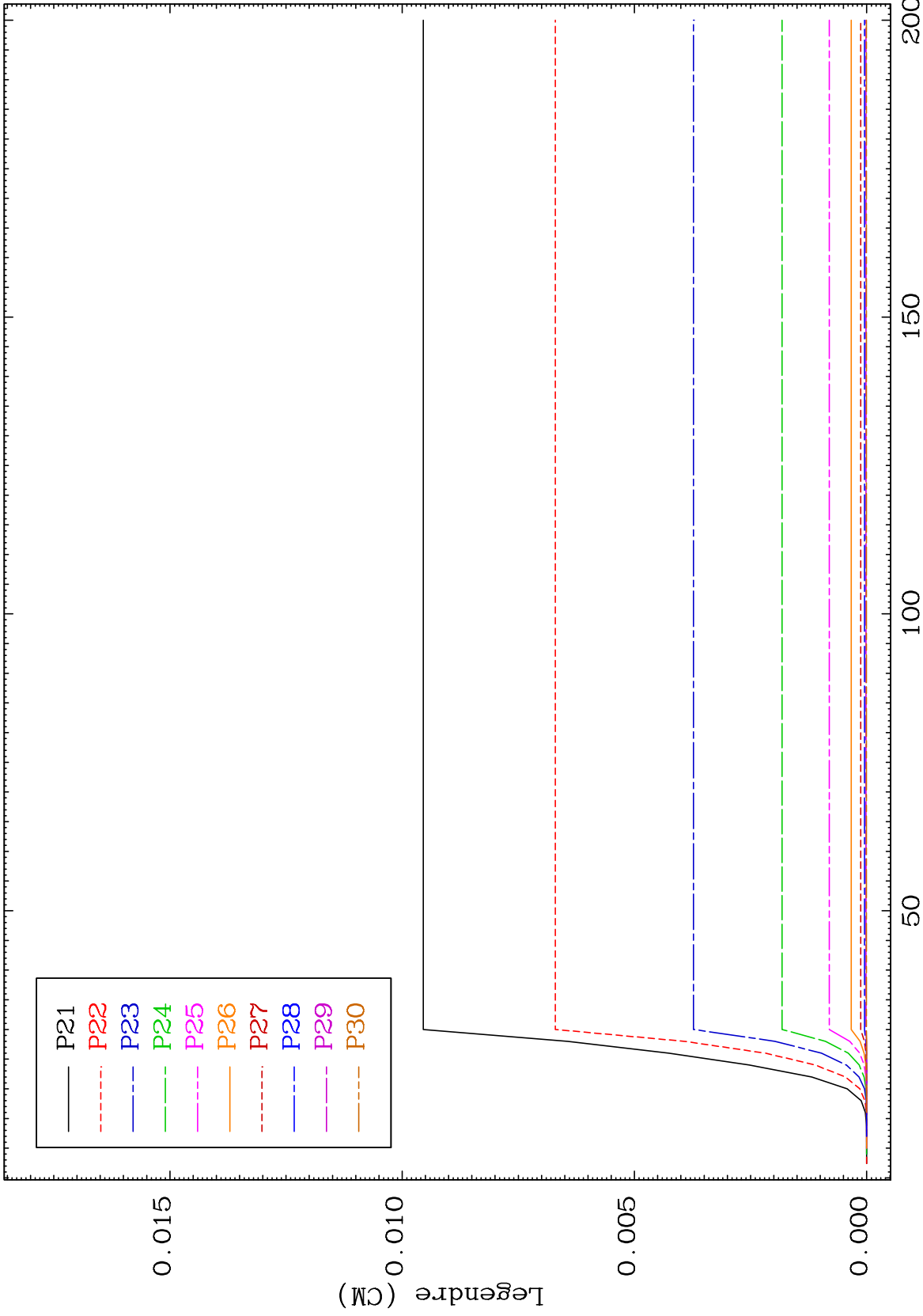
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-Tl-195



39

Incident Energy (MeV)

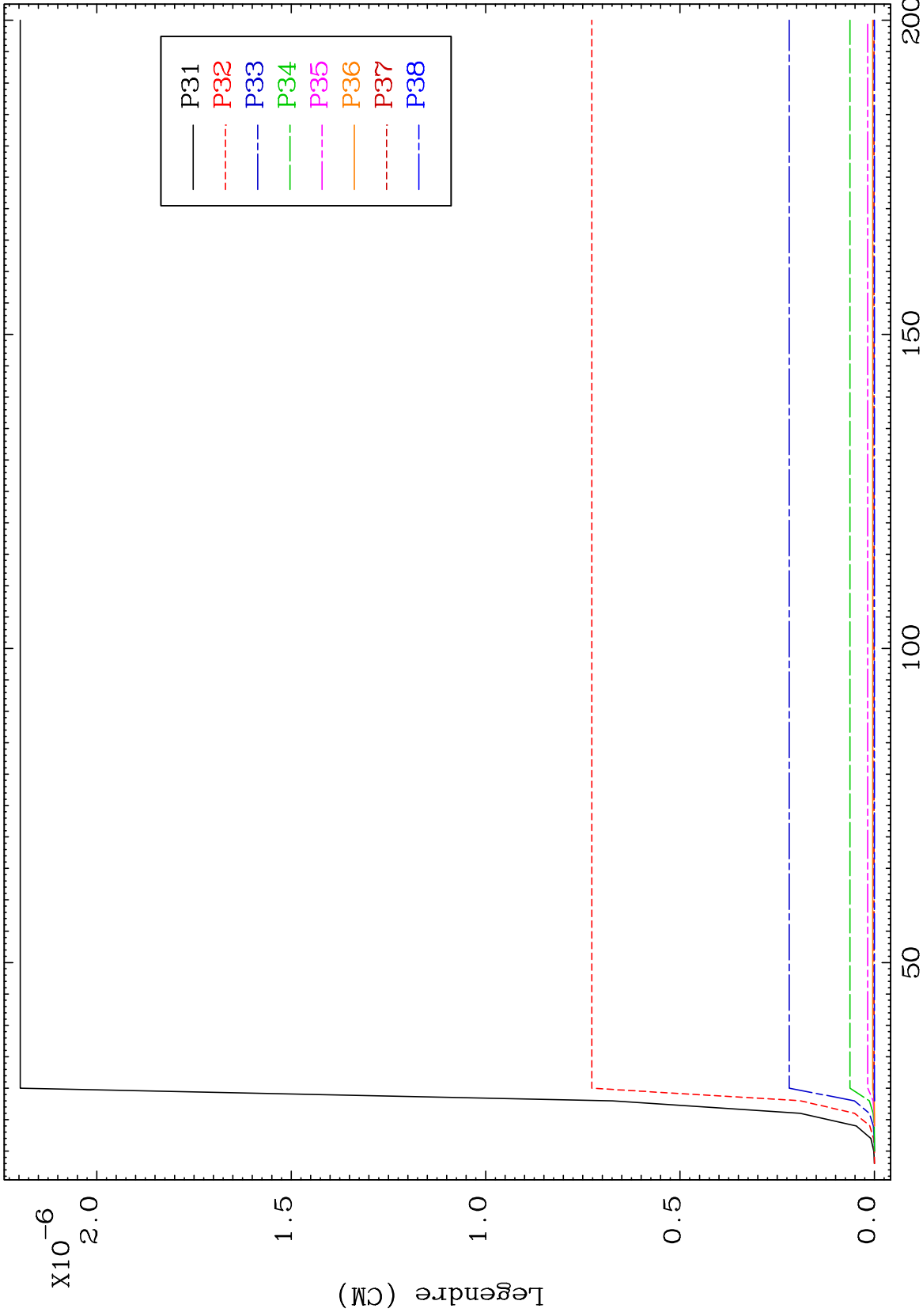
81-Tl-195



MAT 8101

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

81-T1-195



40

50

100

150

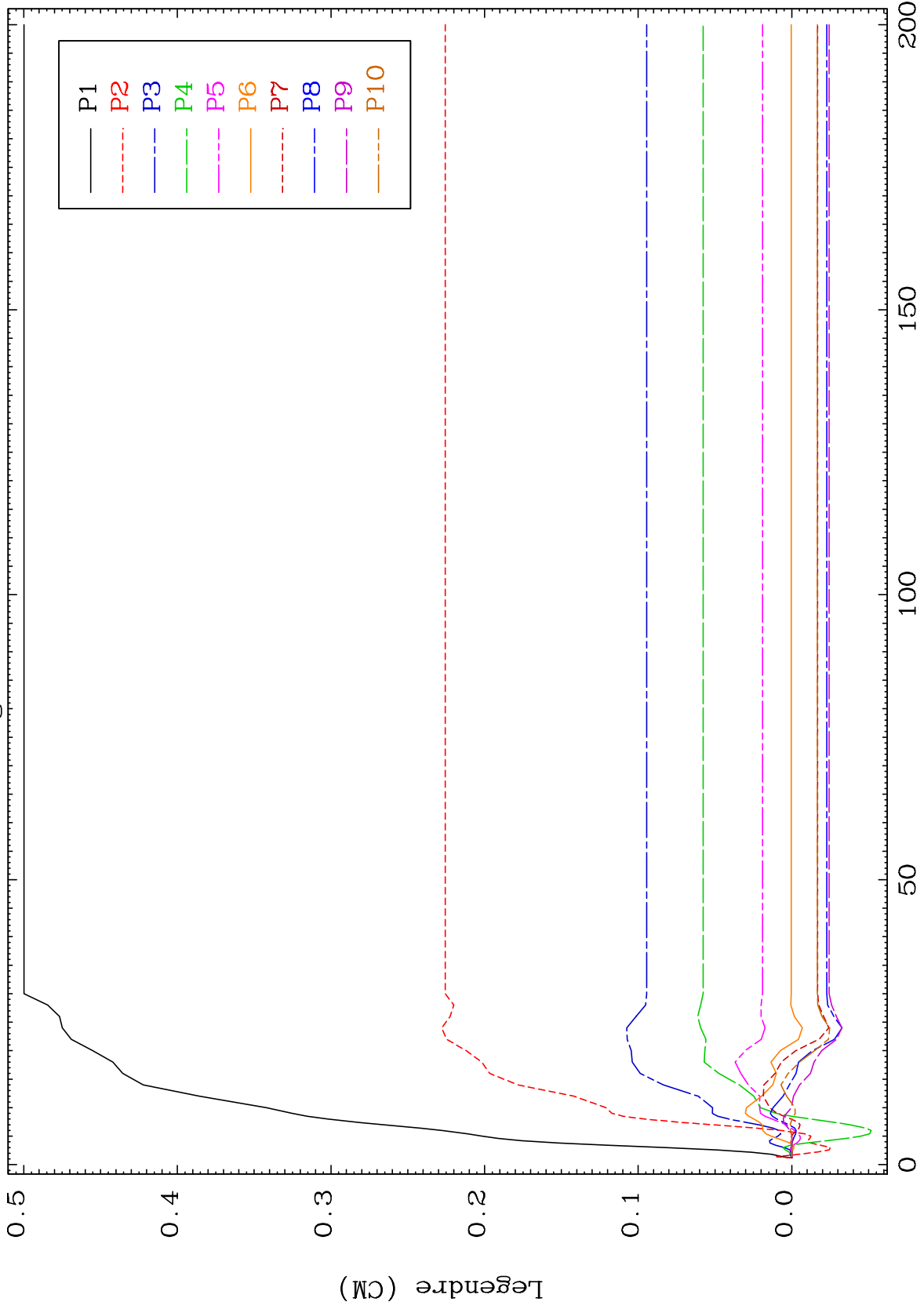
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81-T1-195

MAT 8101

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

81-T1-195



41

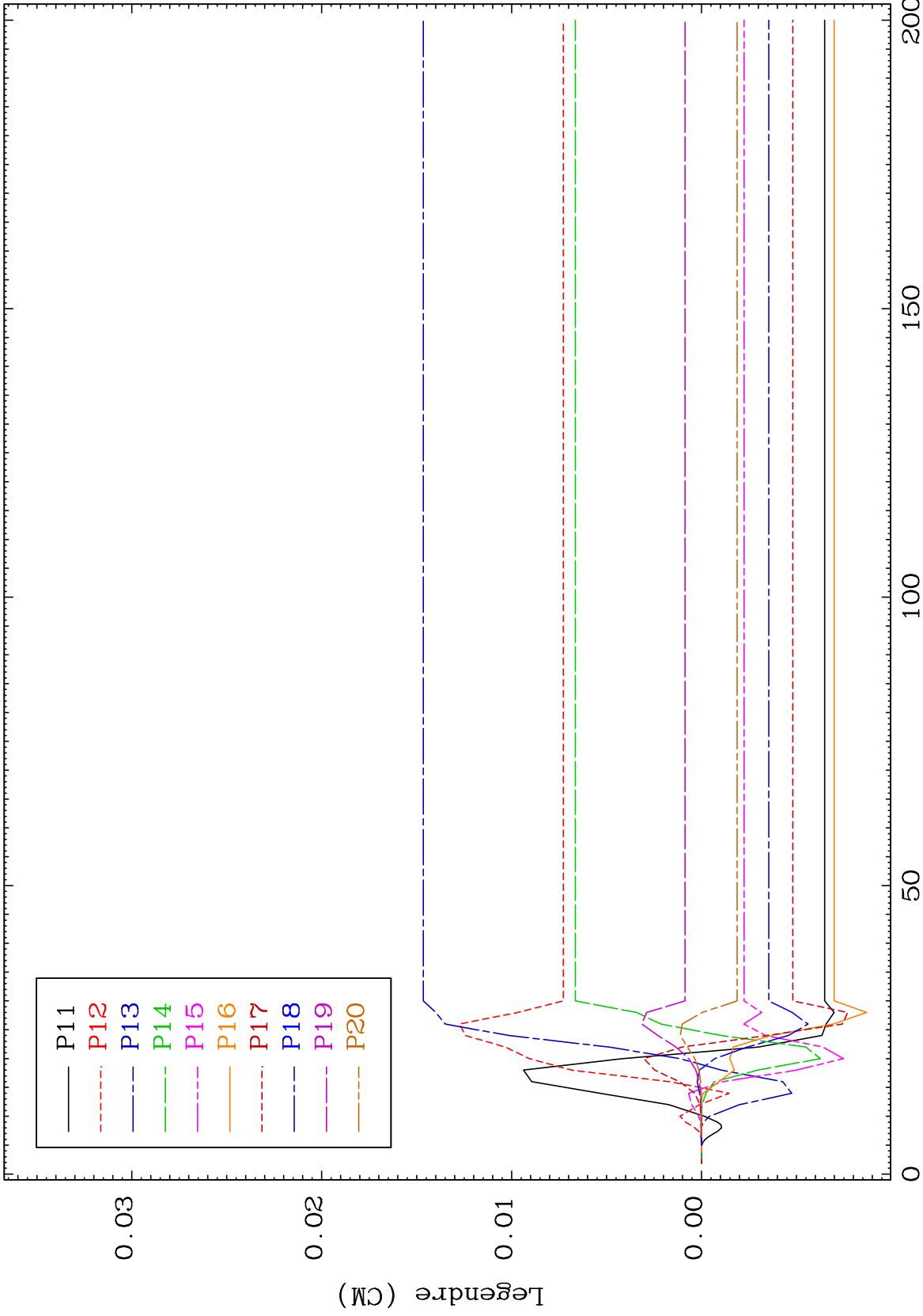
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



42

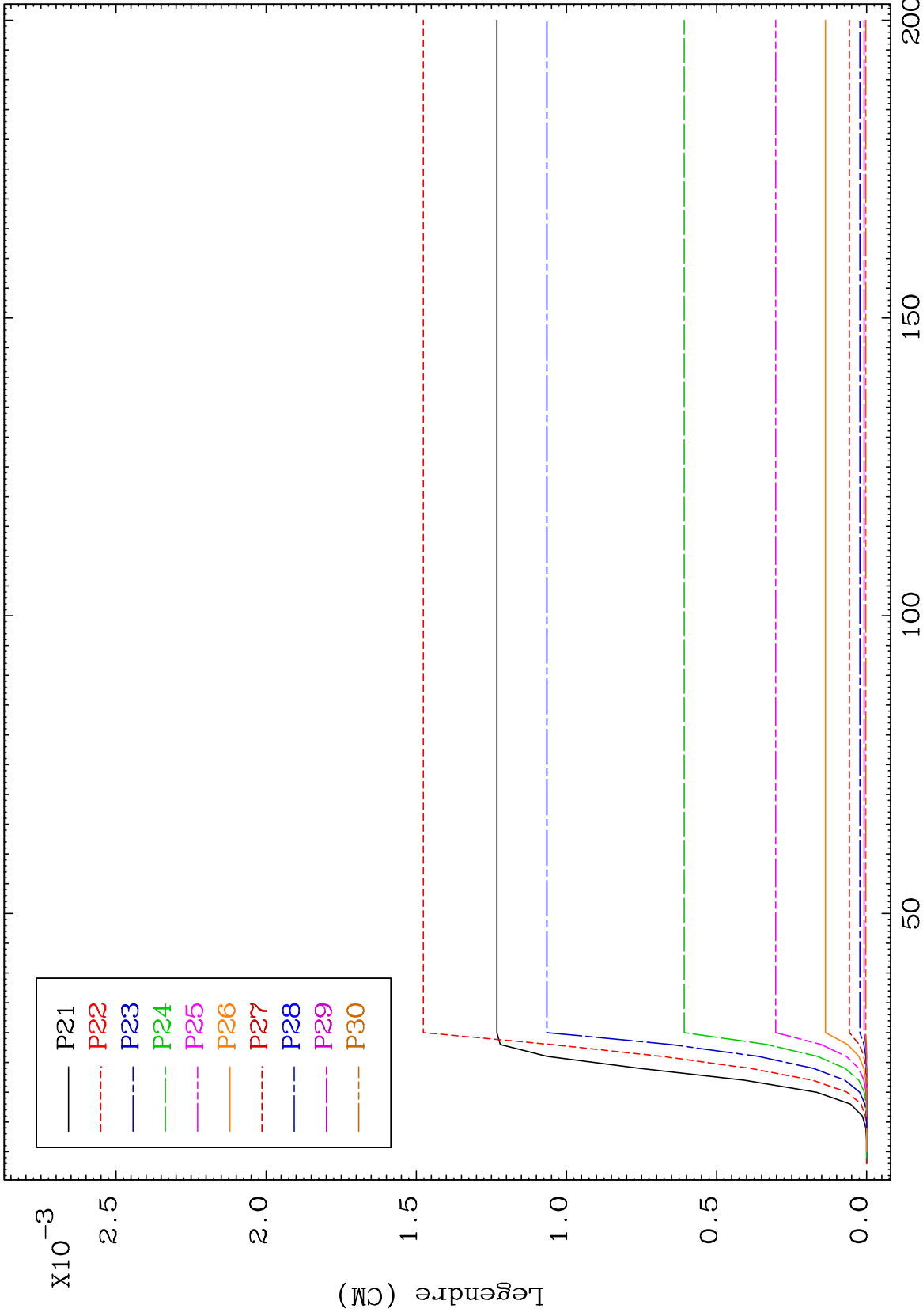
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



43

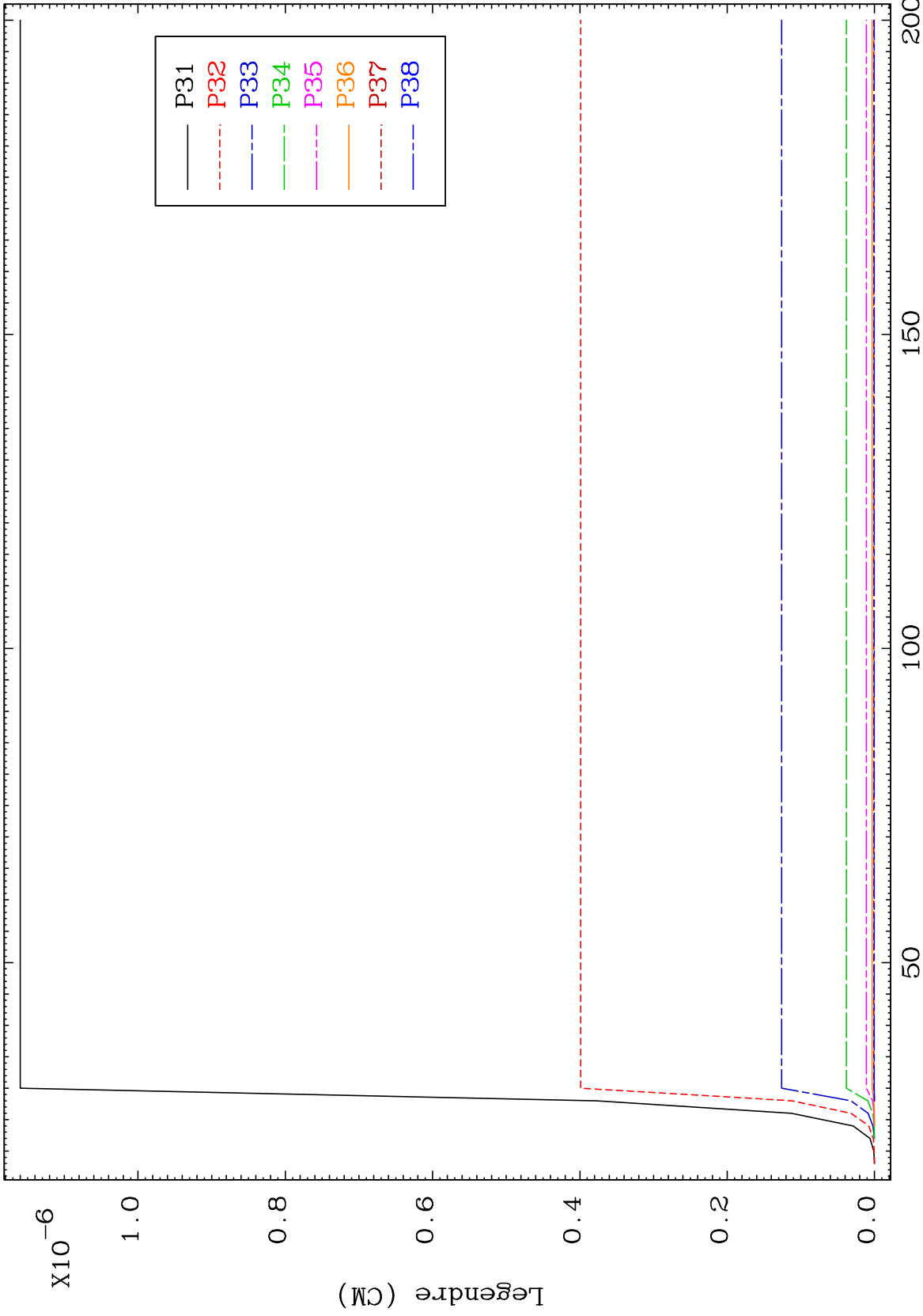
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



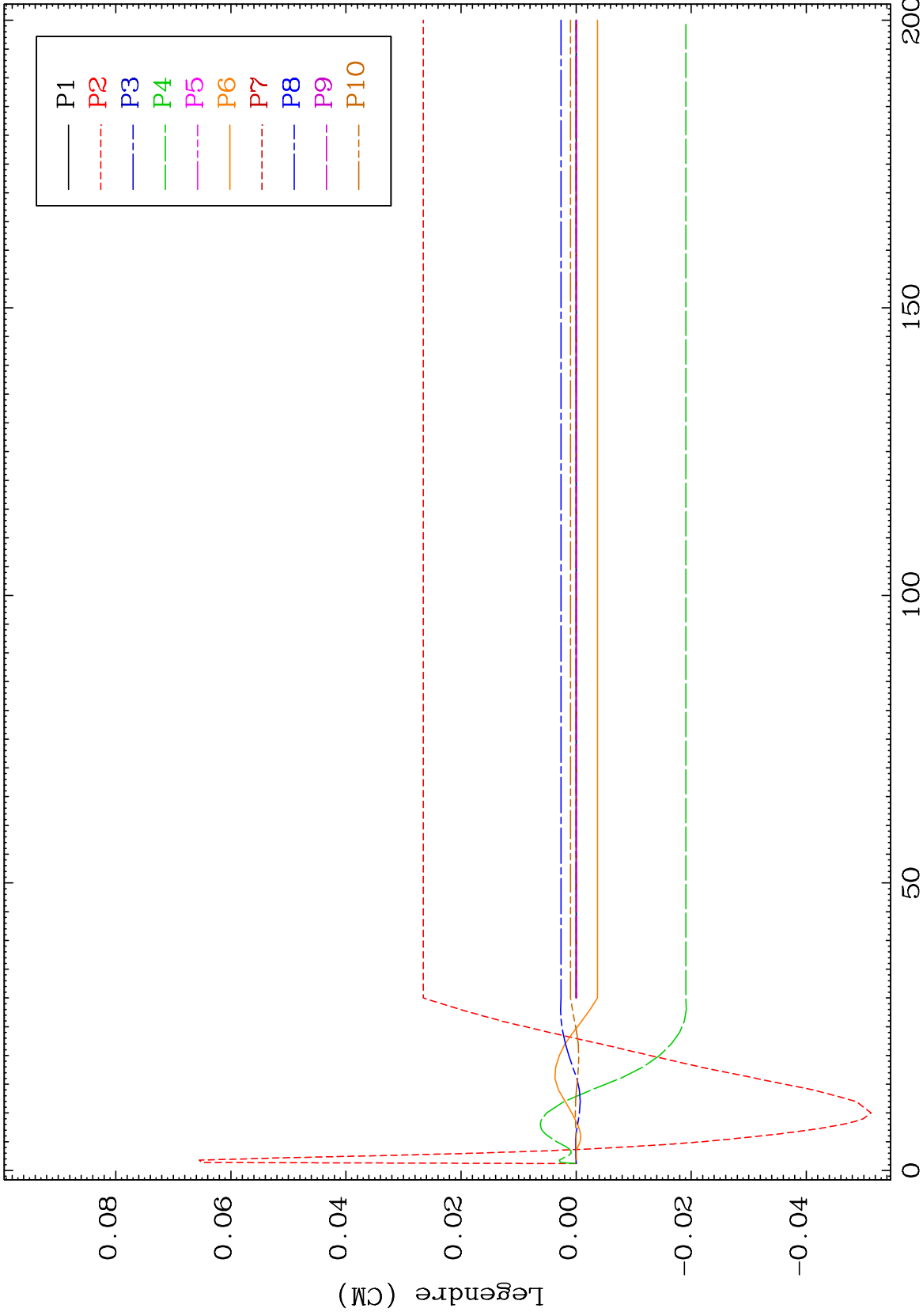
44

81-T1-195

MAT 8101

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

81-T1-195



45

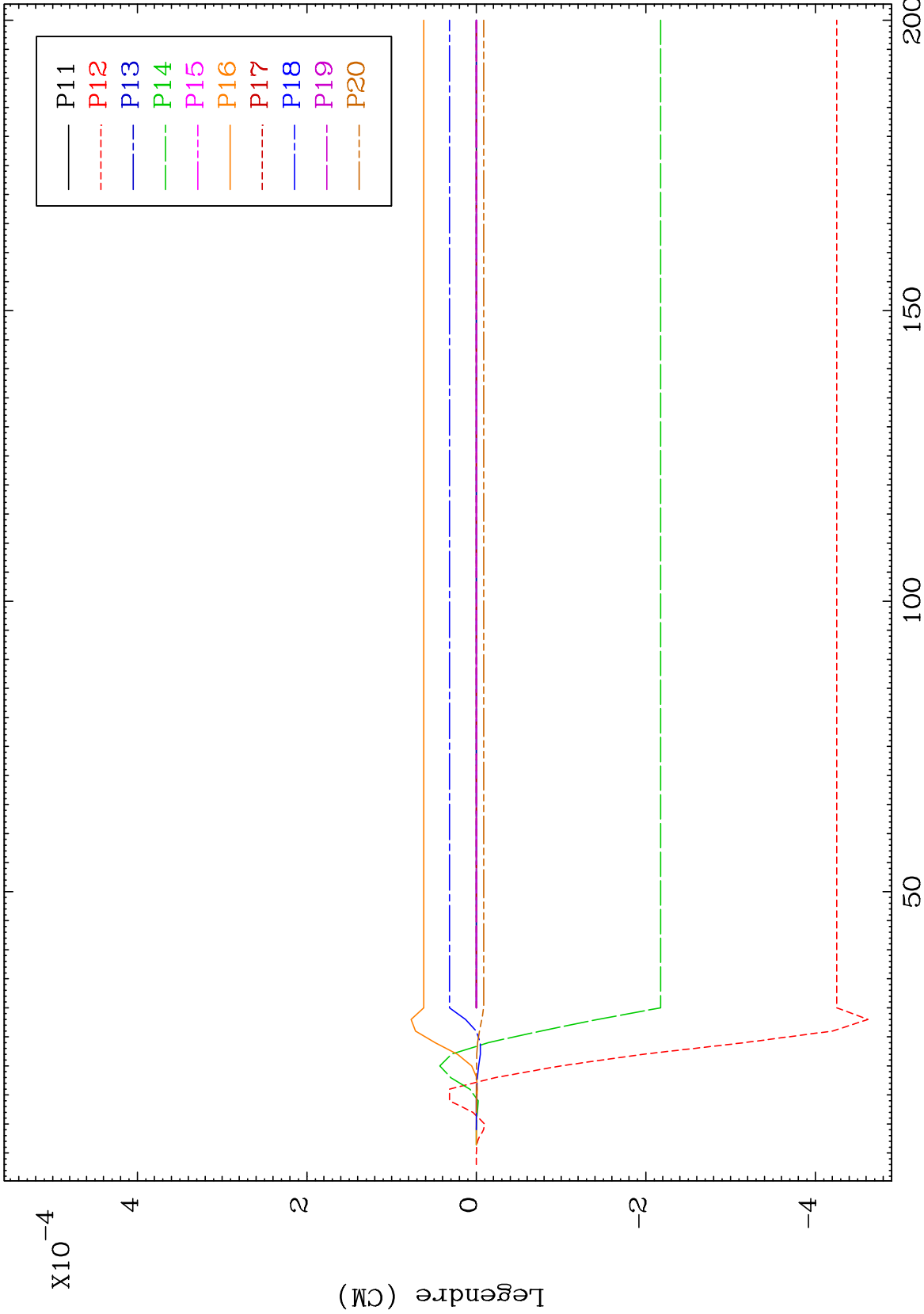
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



46

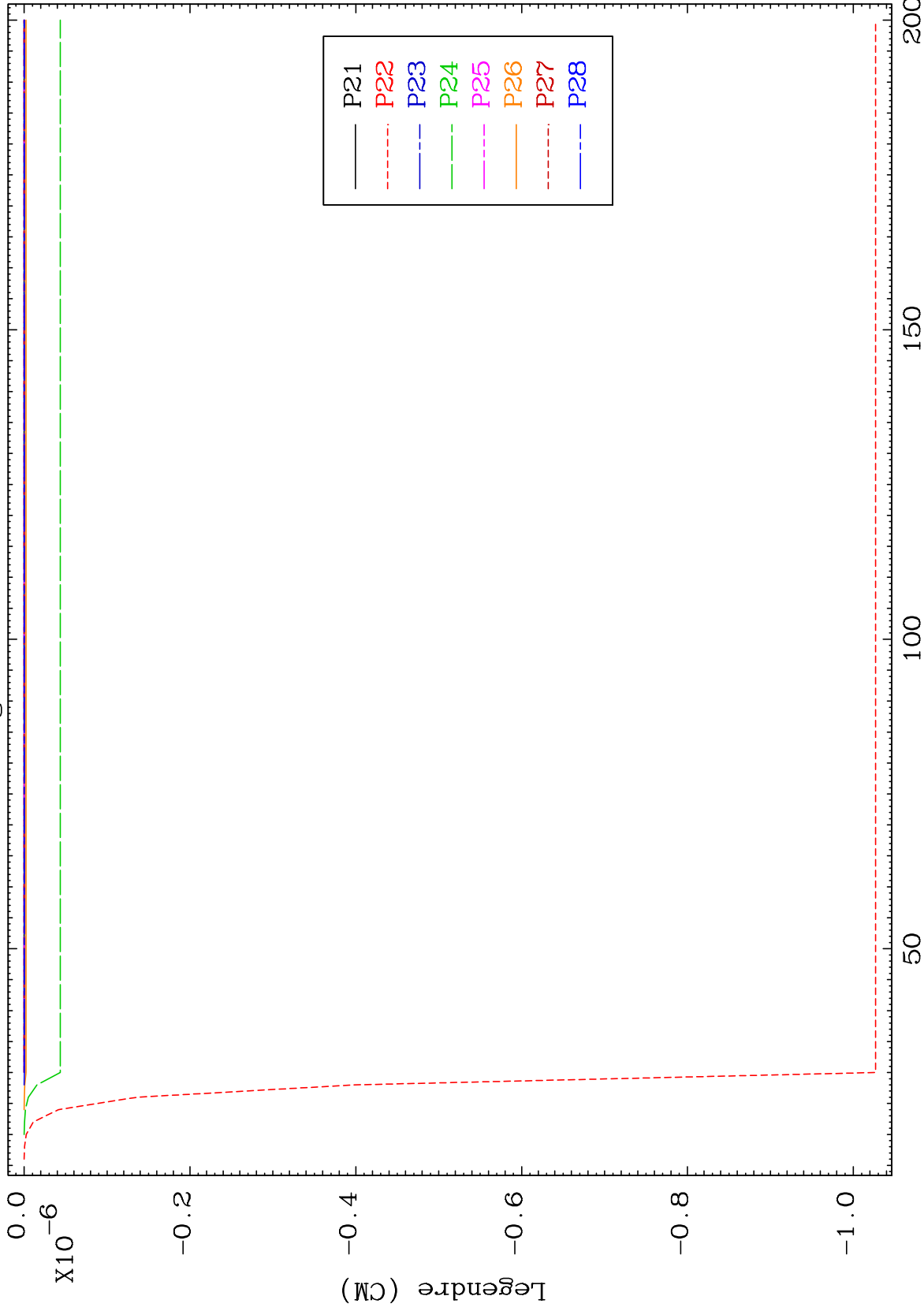
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



47

Incident Energy (MeV)

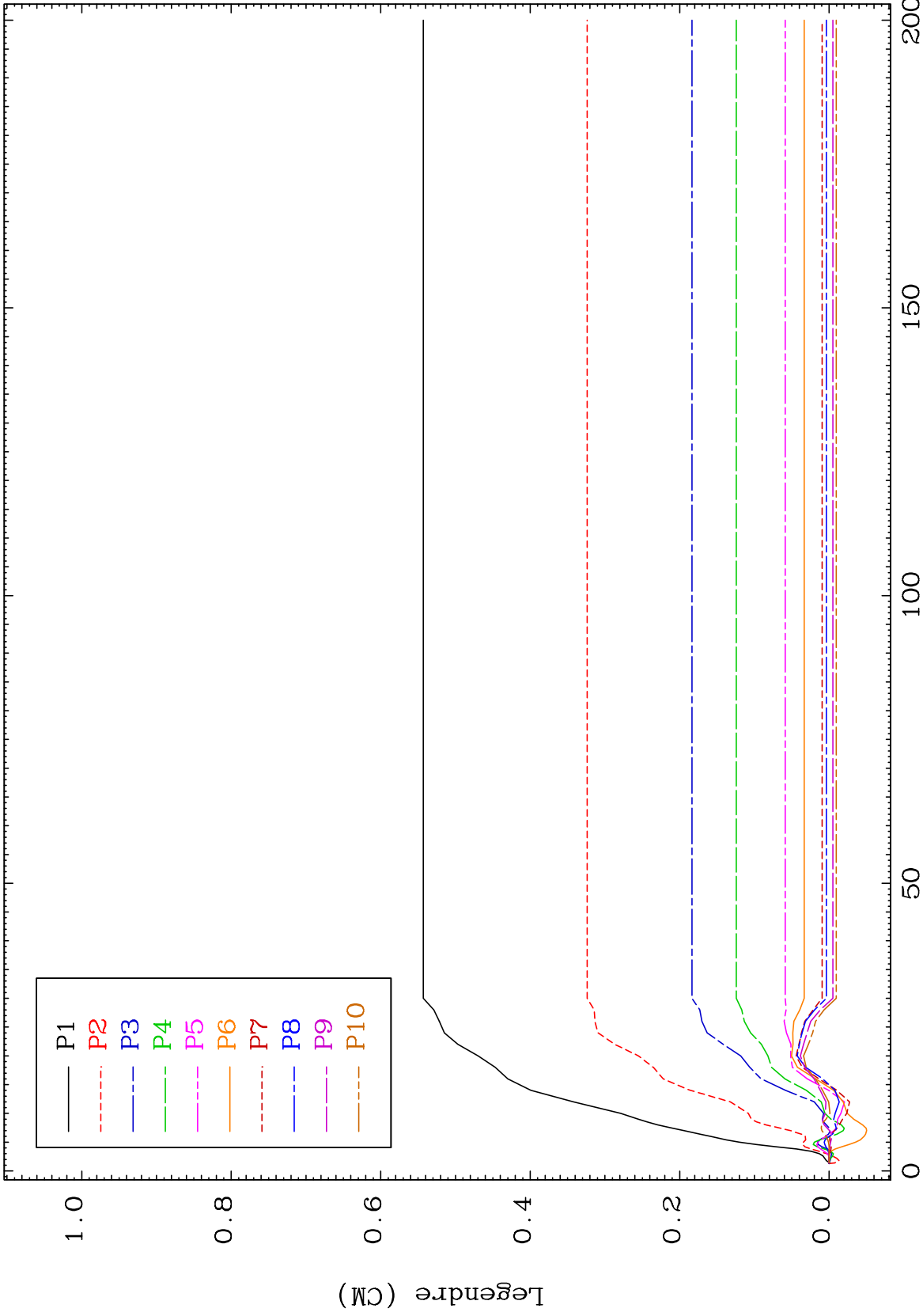
81-T1-195



MAT 8101

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

81-T1-195



48

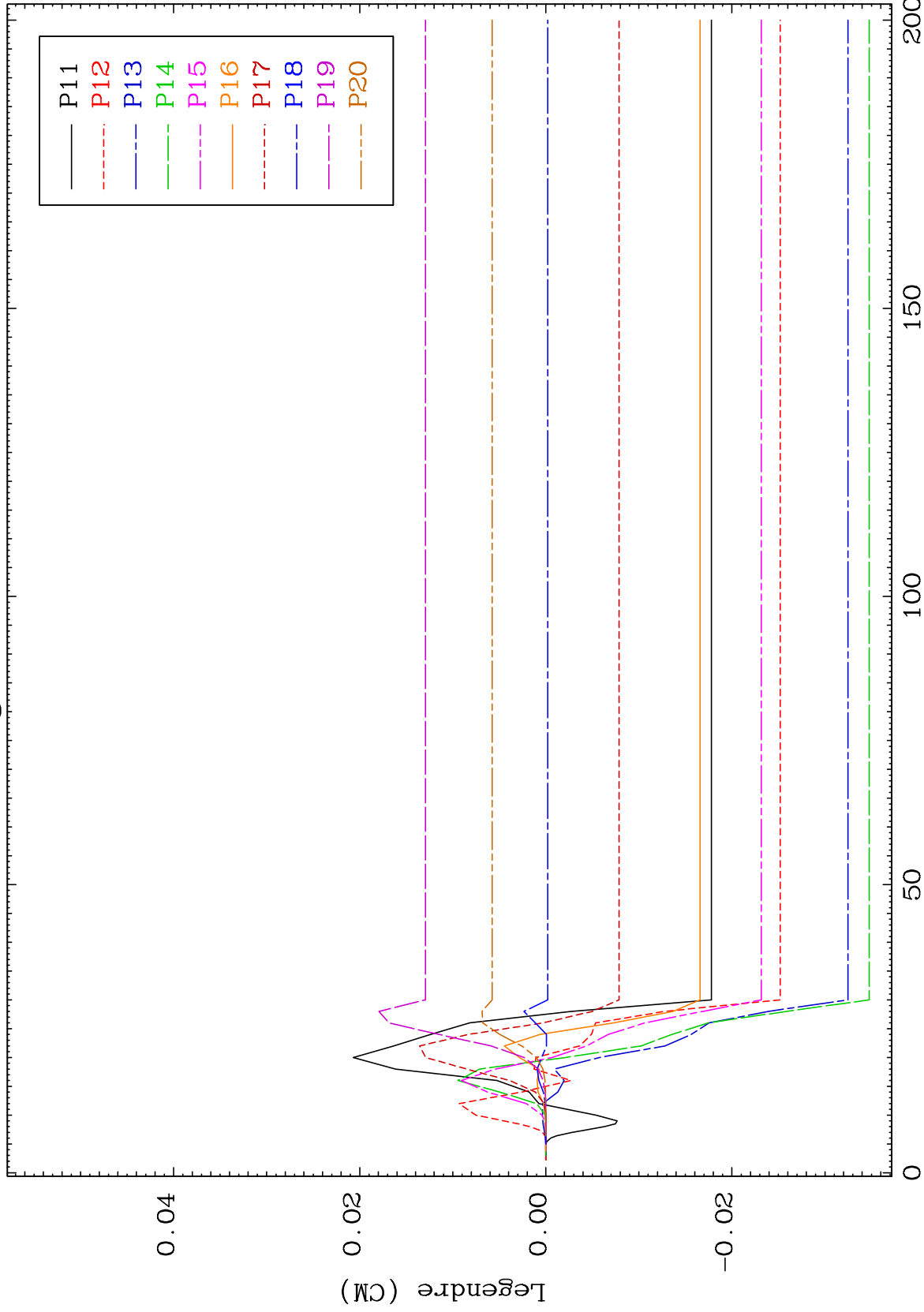
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



49

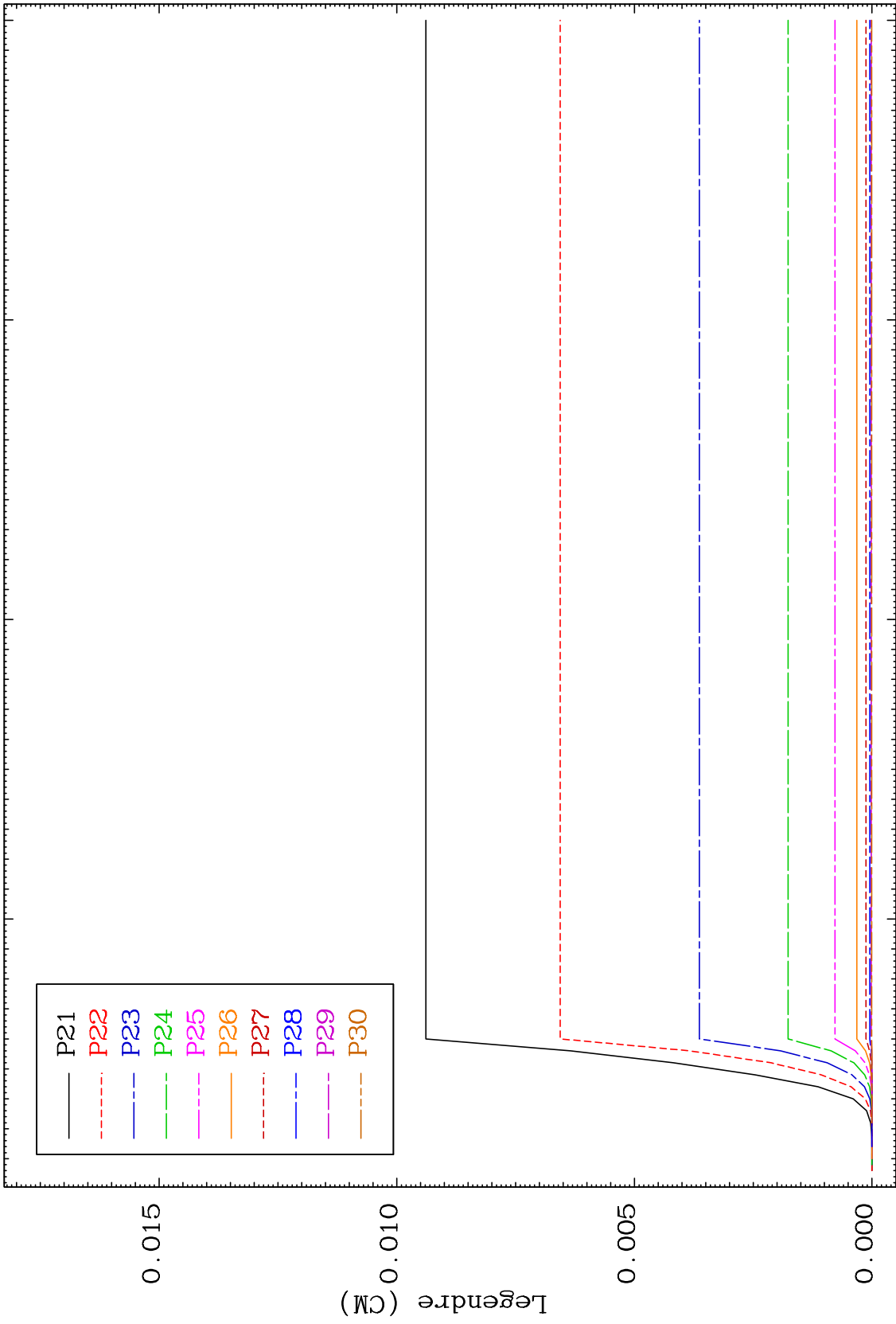
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-Tl-195



50

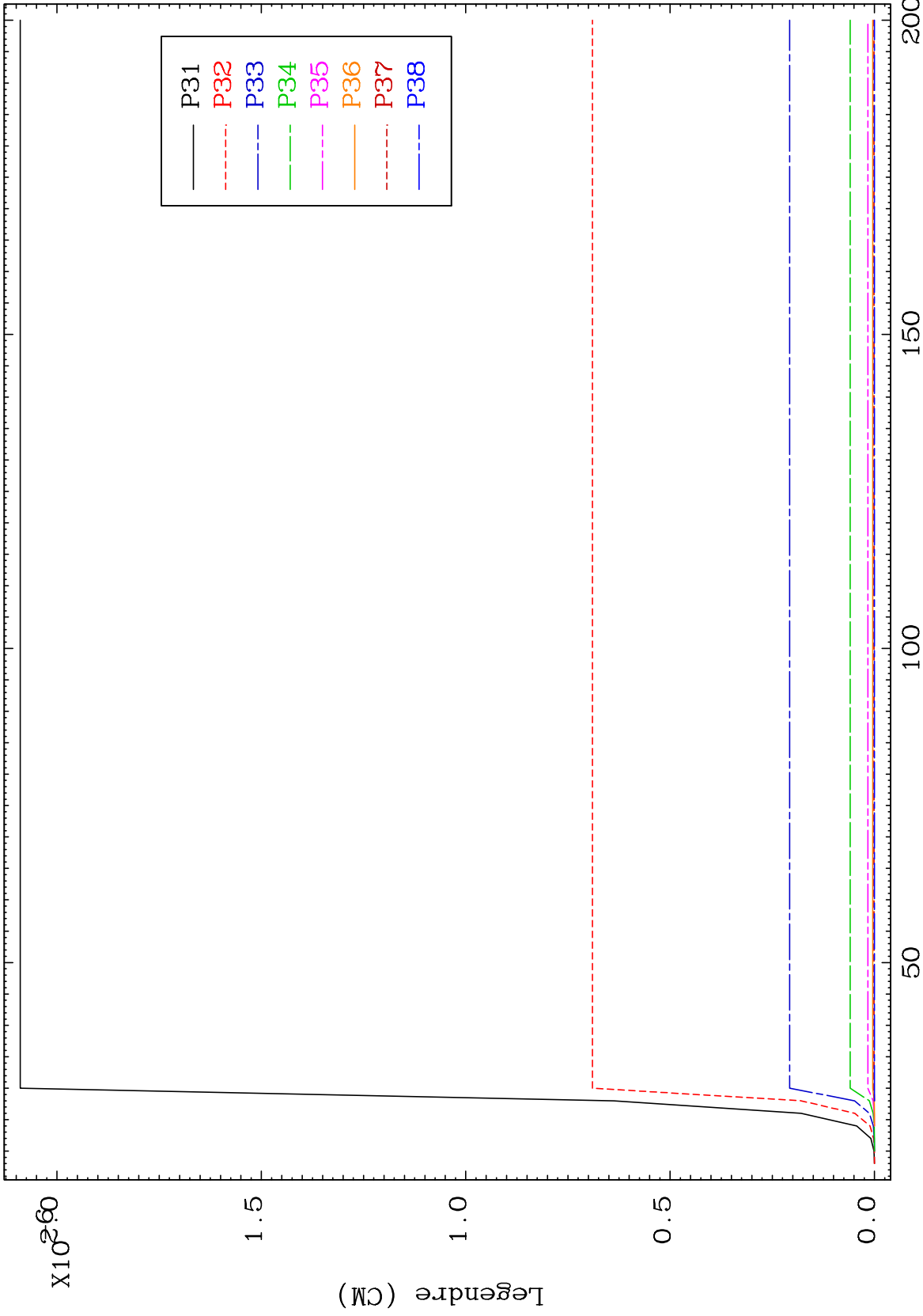
Incident Energy (MeV)

81-Tl-195

MAT 8101

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

81-T1-195



51

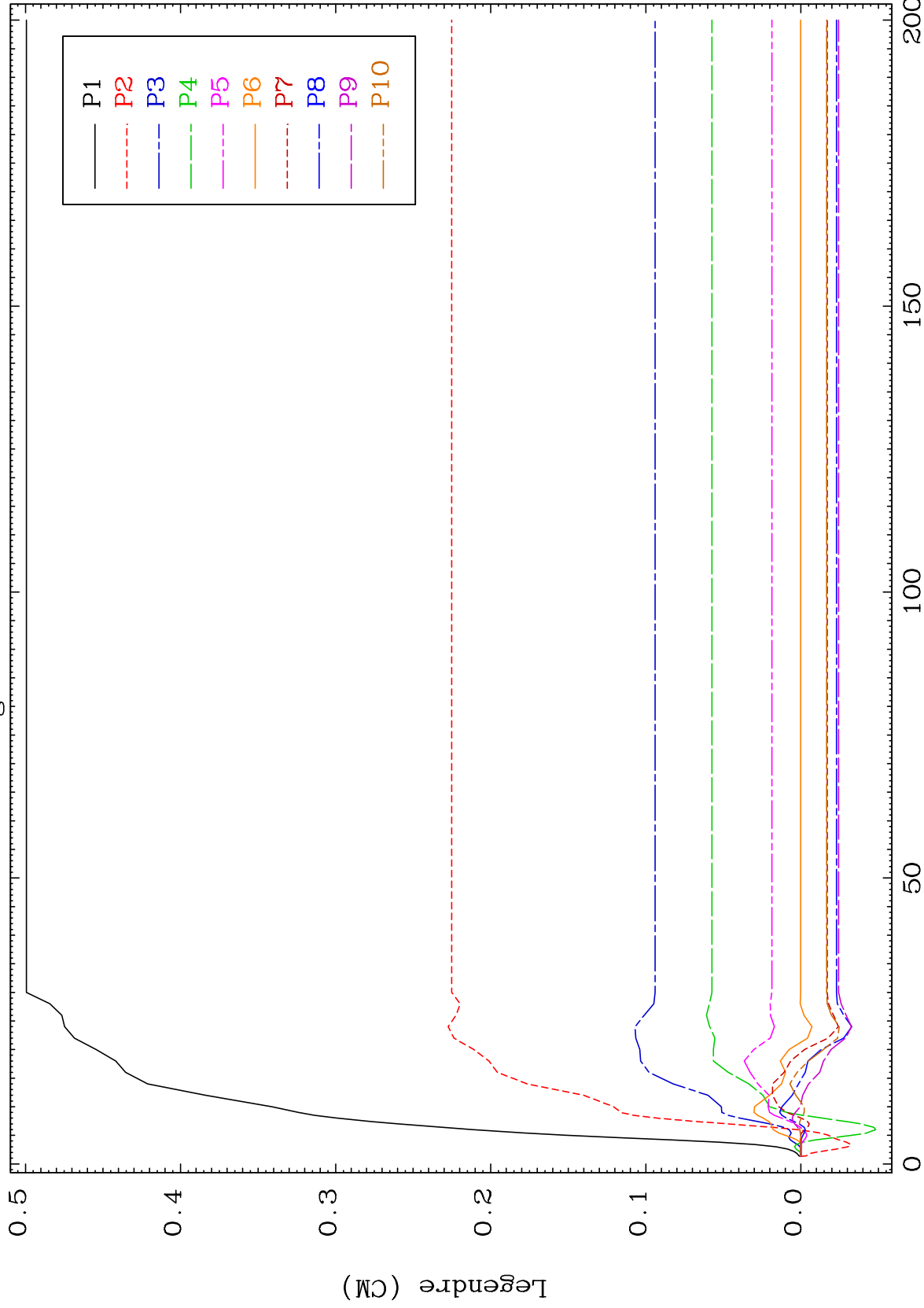
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



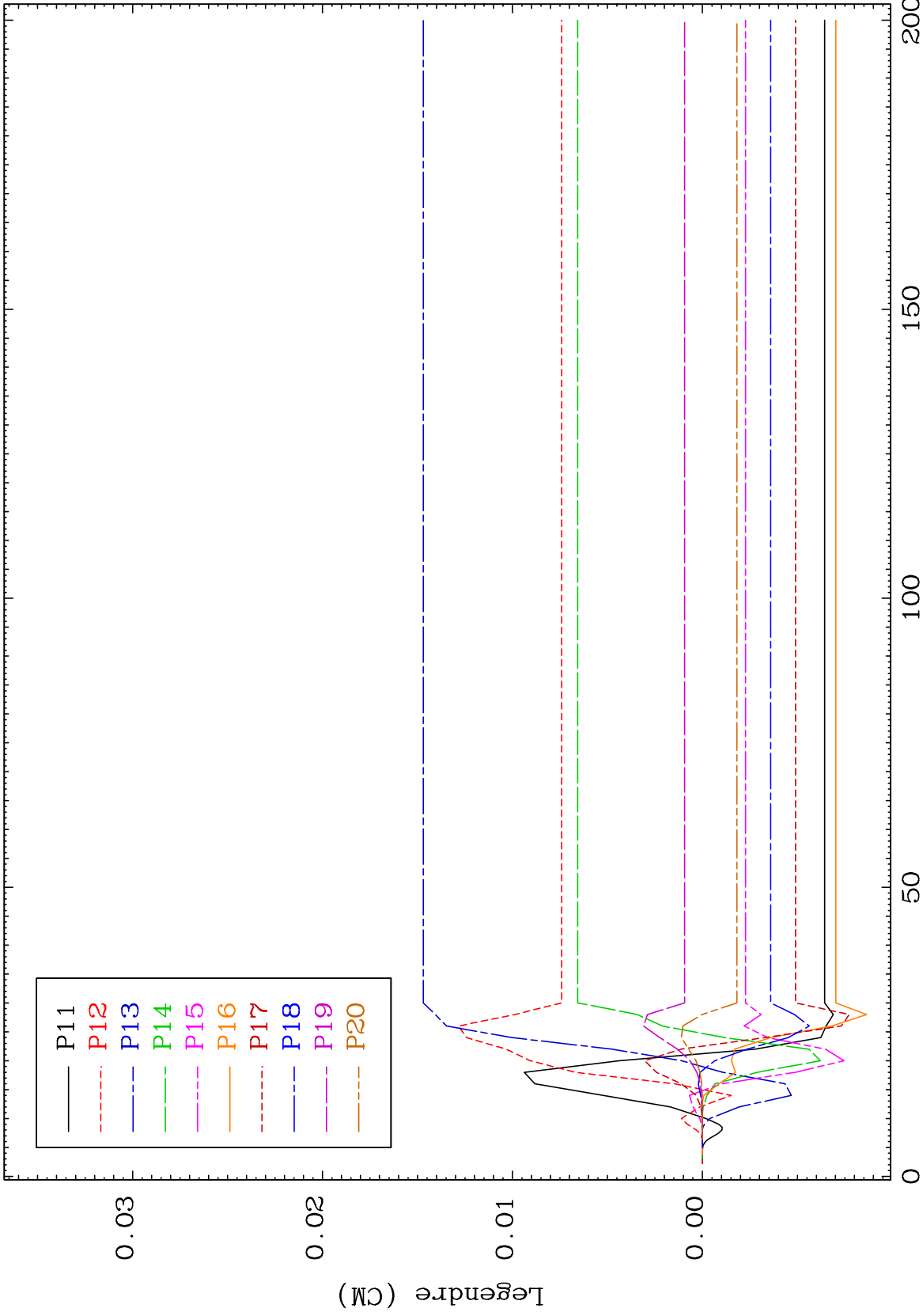
52

81-T1-195

MAT 8101

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

81-T1-195



53

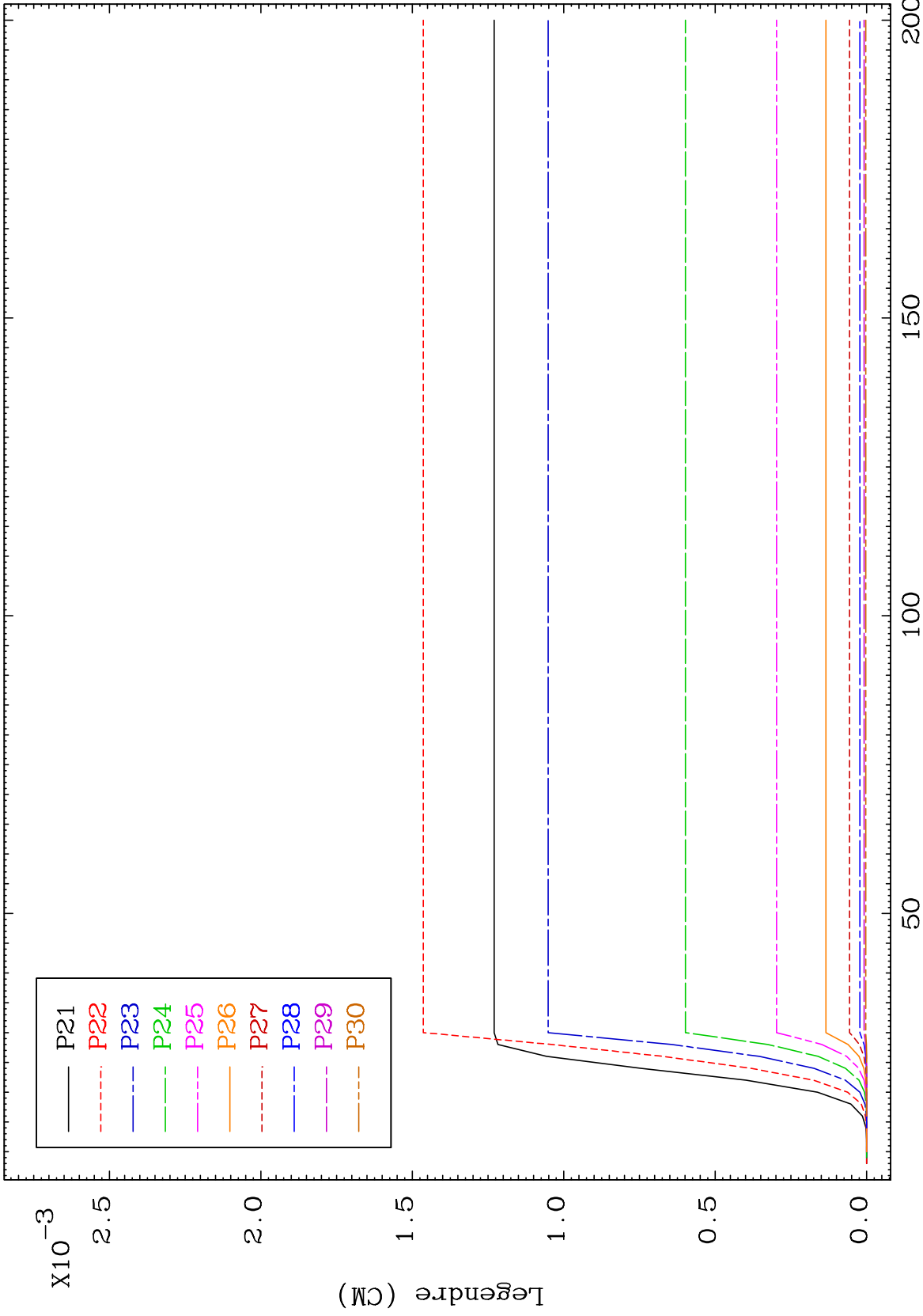
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



54

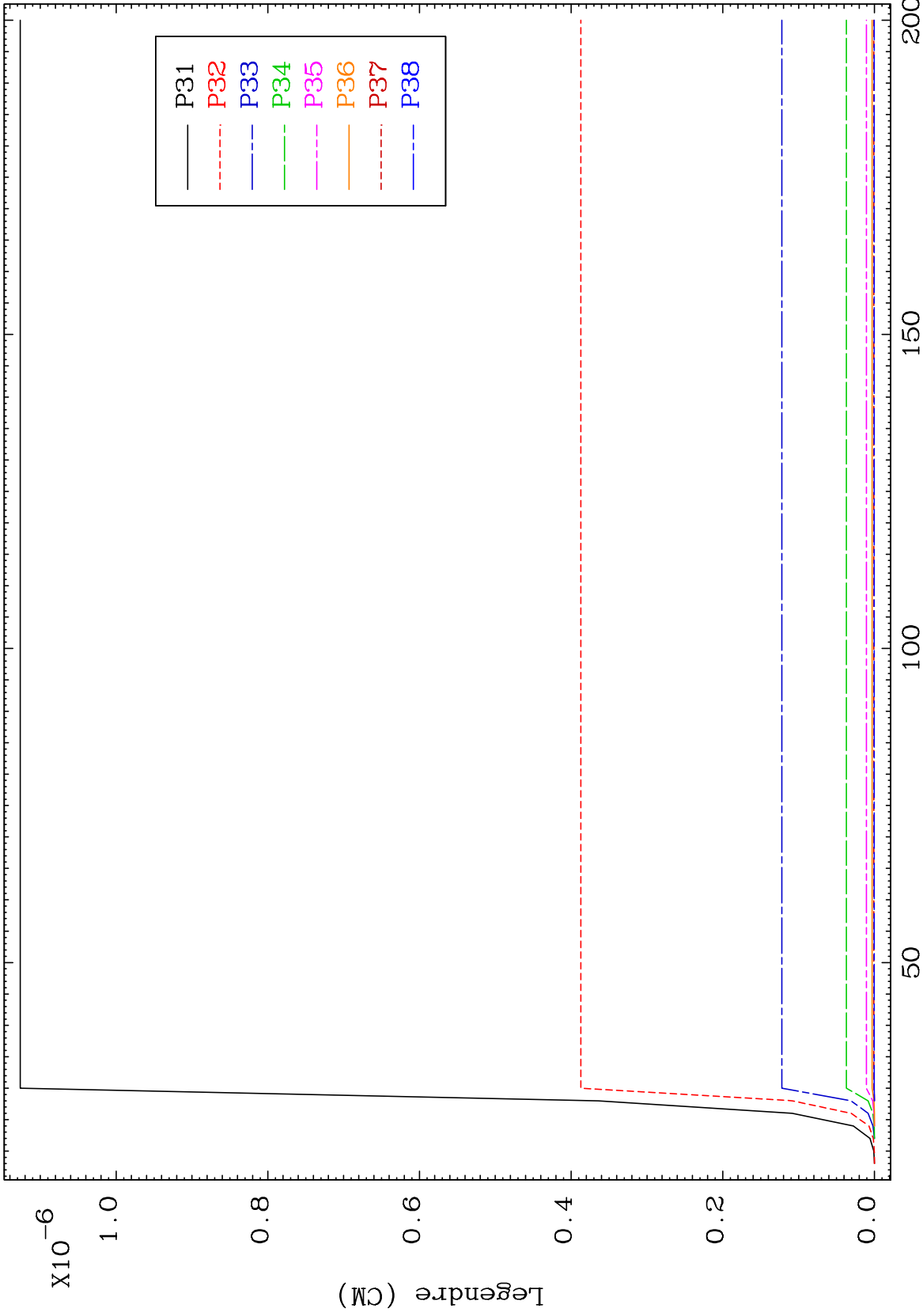
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



55

Incident Energy (MeV)

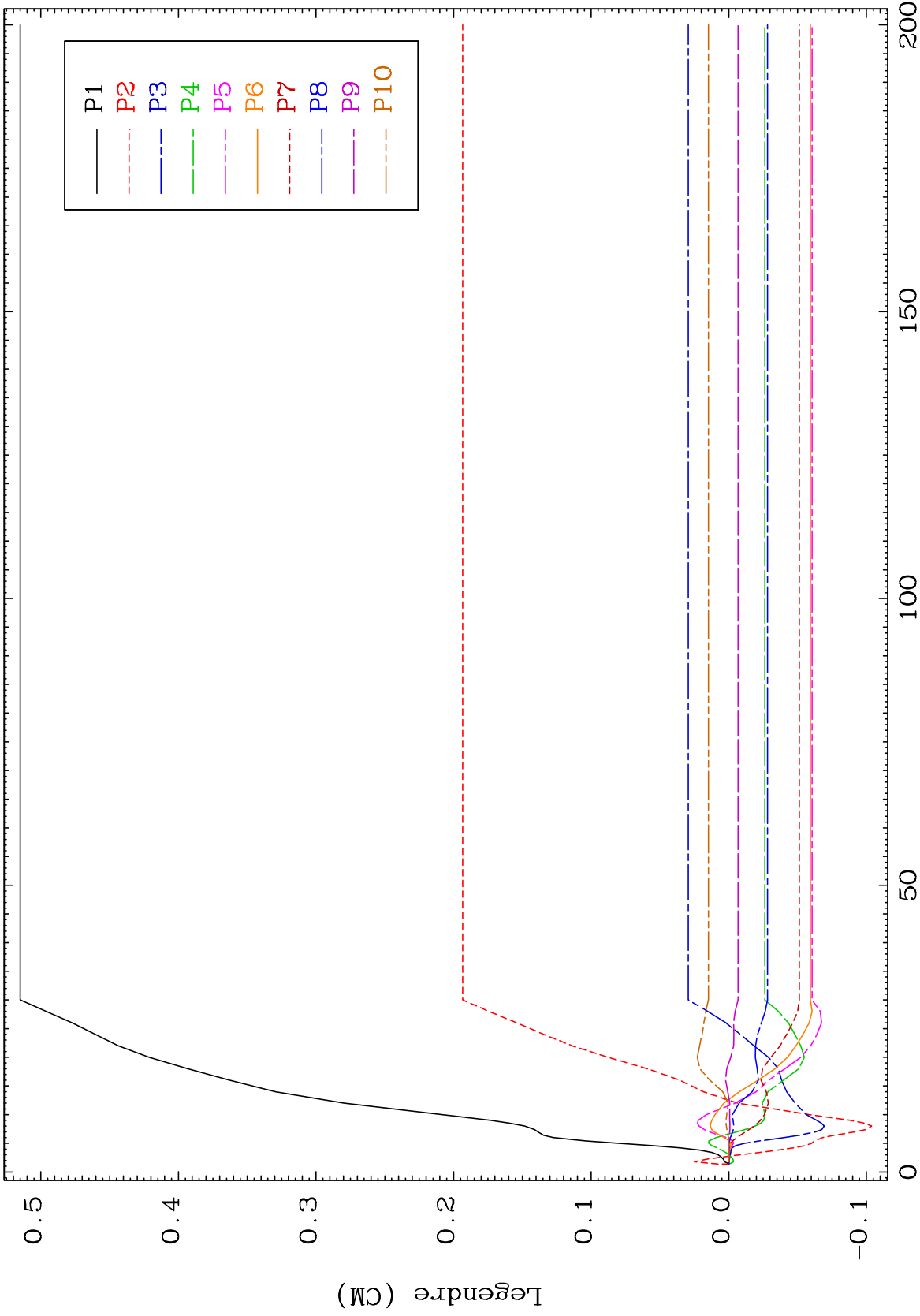
81-T1-195



MAT 8101

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

81-T1-195



56

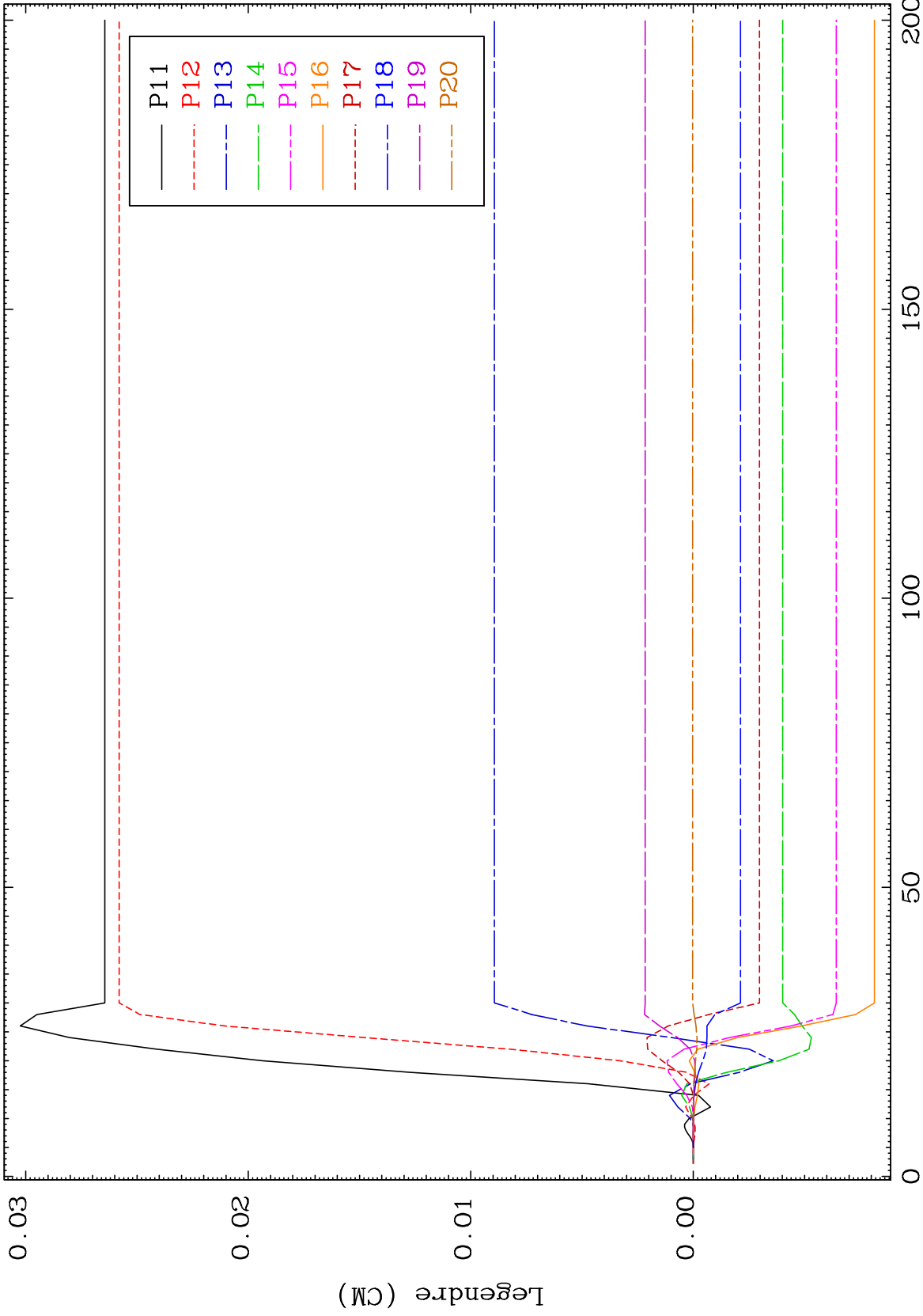
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



57

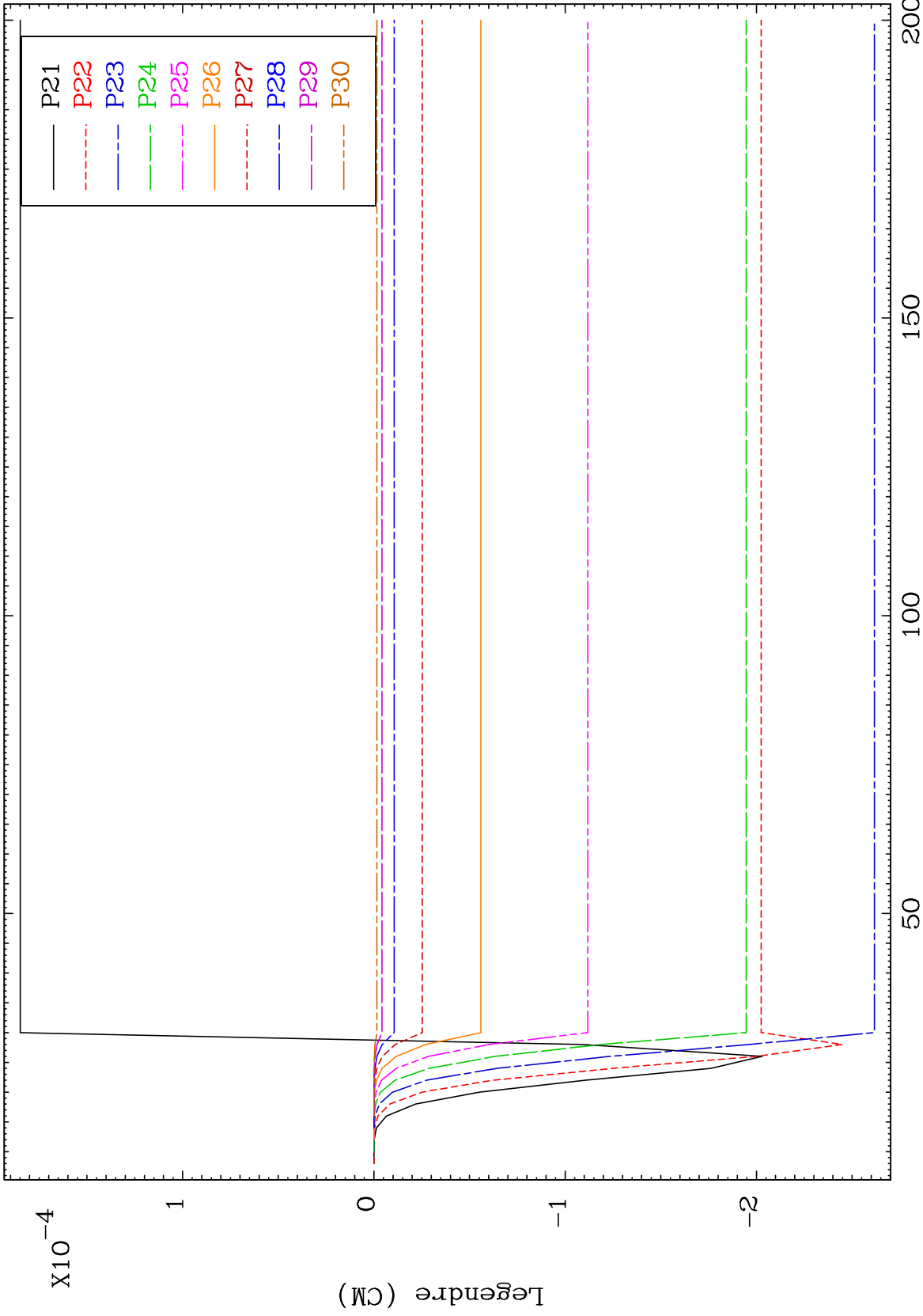
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



58

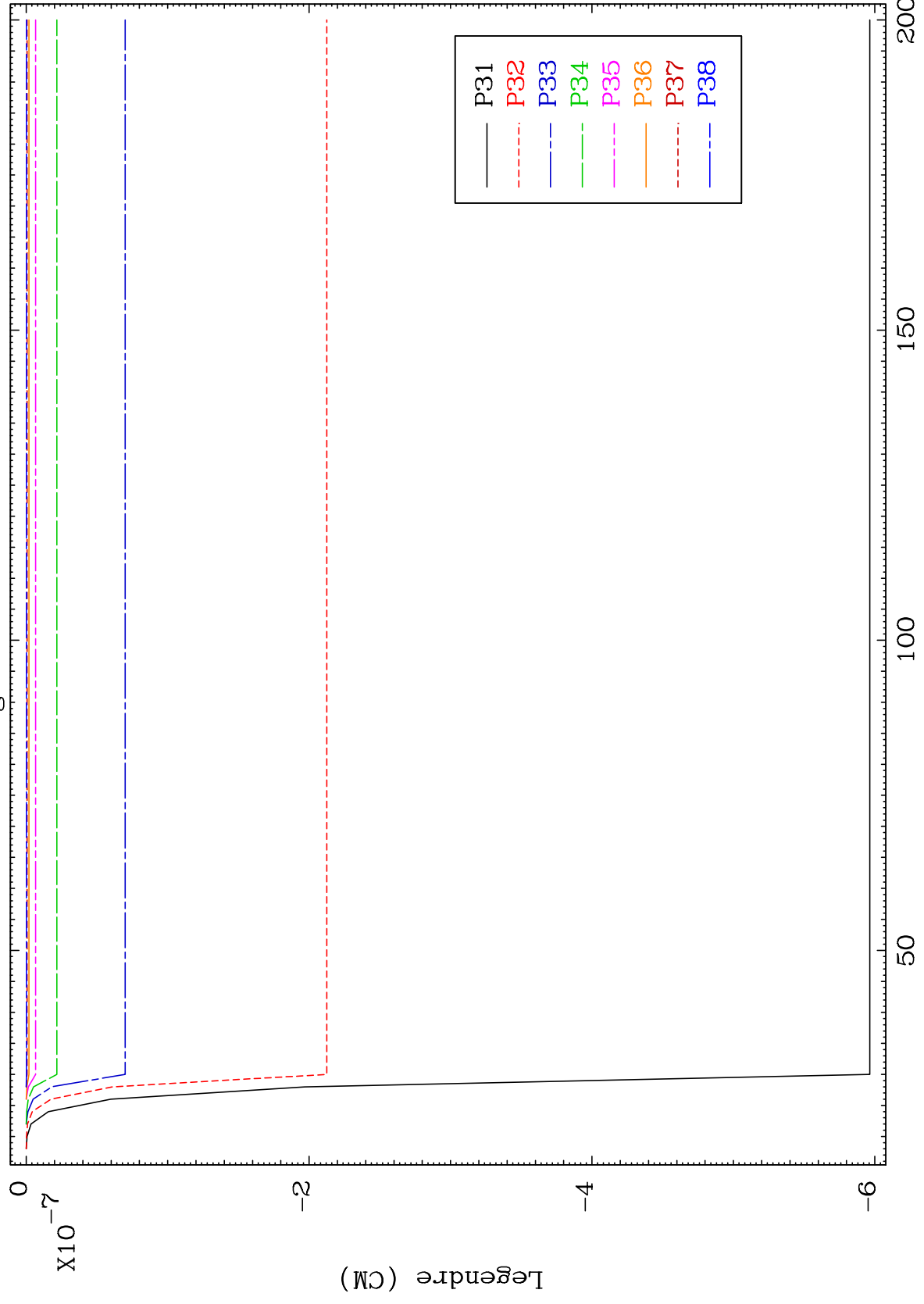
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195

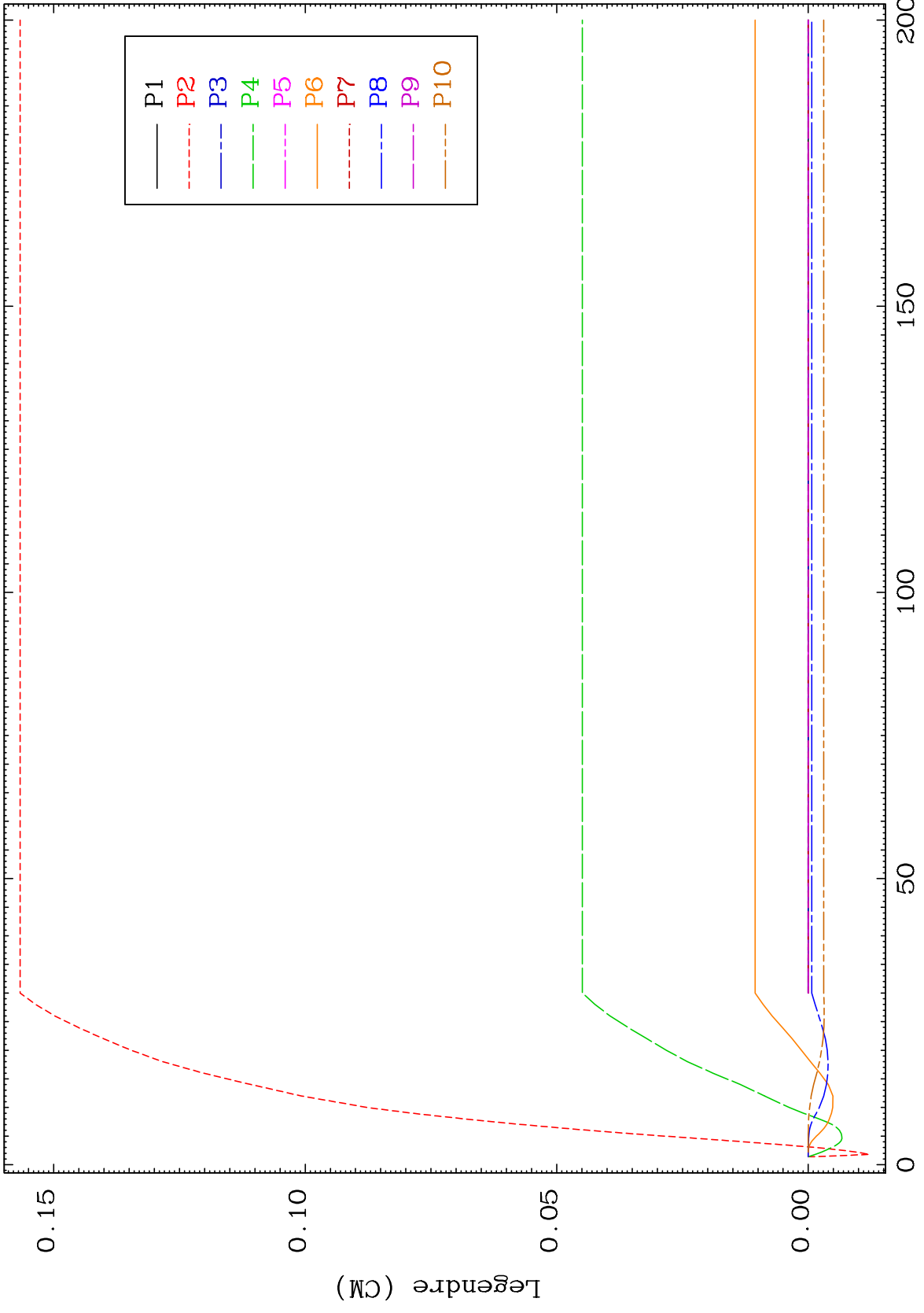


81-T1-195

Incident Energy (MeV)

59

MAT 8101 MT= 62 (n,n') Level Legendre Coefficients 81-T1-195

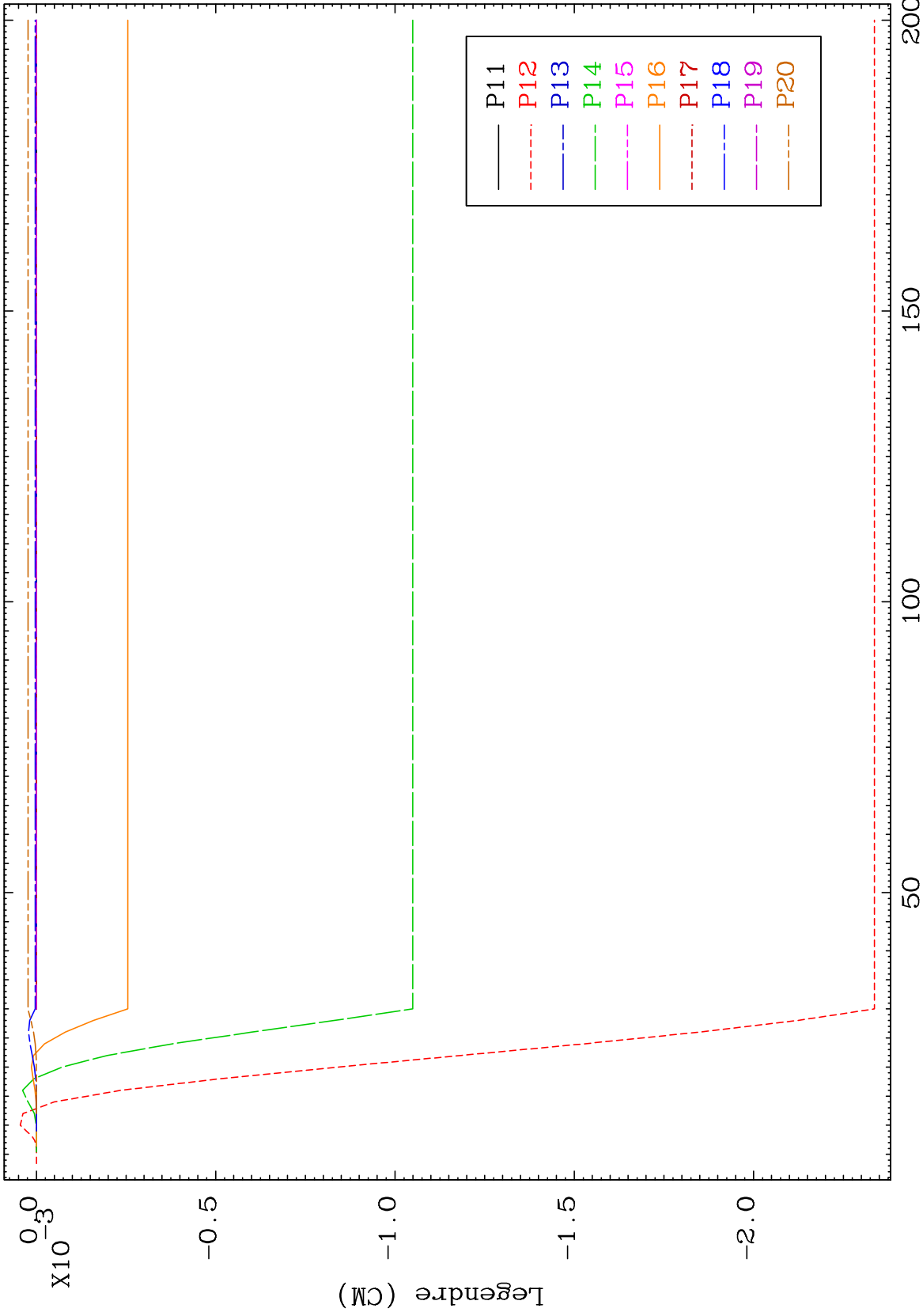


81-T1-195

MAT 8101

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

81-T1-195

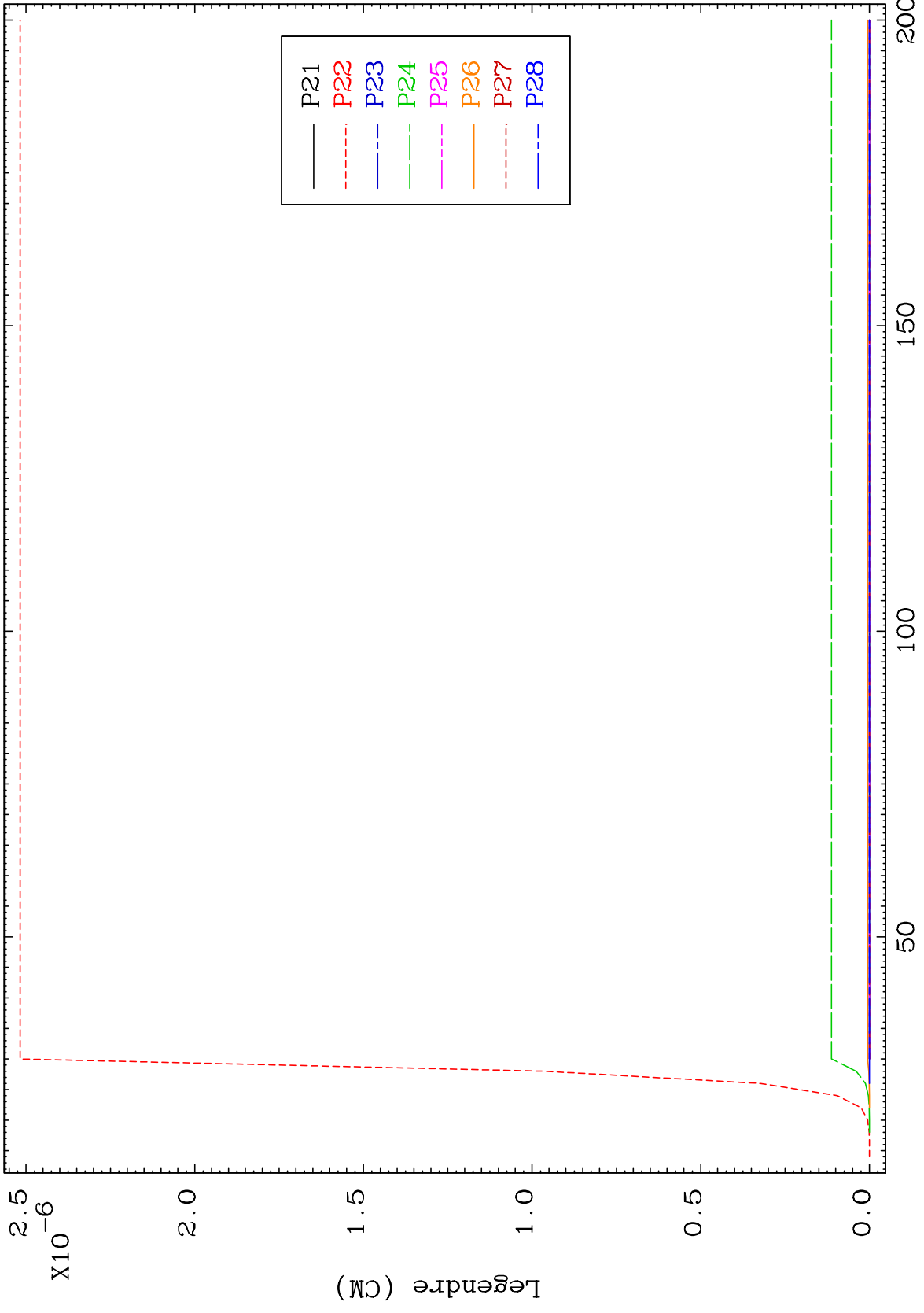


61

Incident Energy (MeV)

81-T1-195

MAT 8101 MT= 62 (n,n') Level Legendre Coefficients 81-T1-195

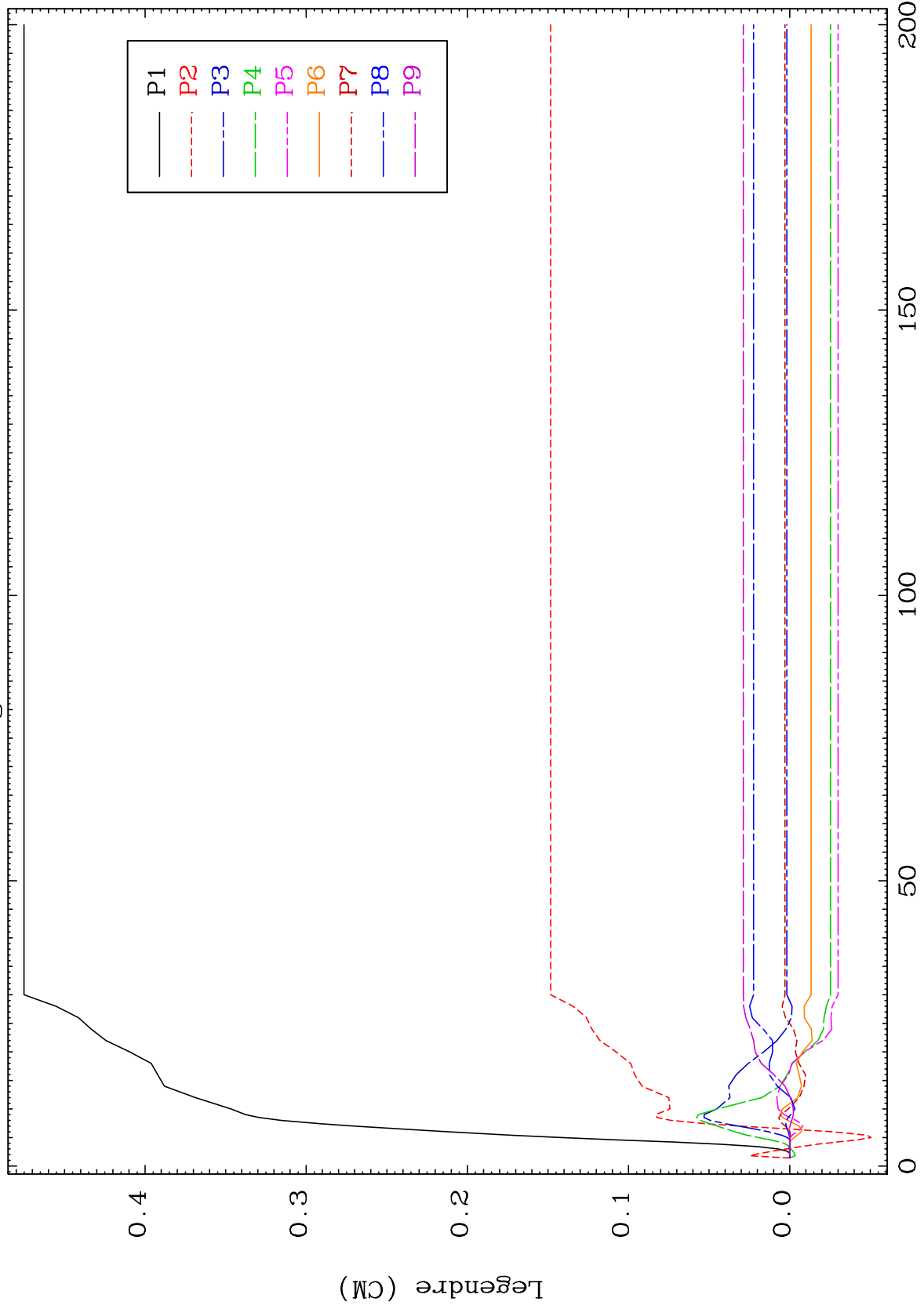


62 81-T1-195

MAT 8101

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

81-T1-195



63

Incident Energy (MeV)

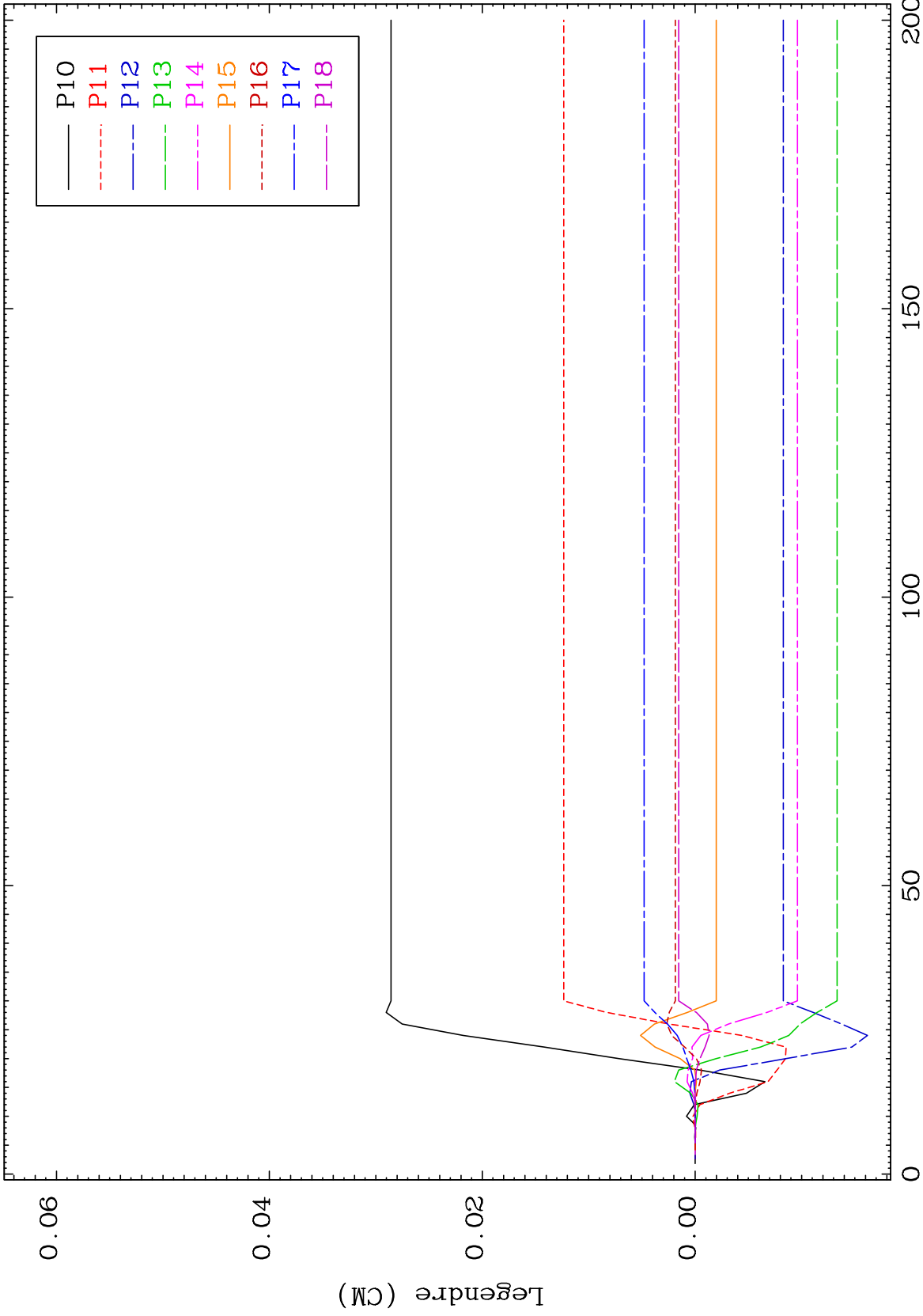
81-T1-195



MAT 8101

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

81-T1-195



64

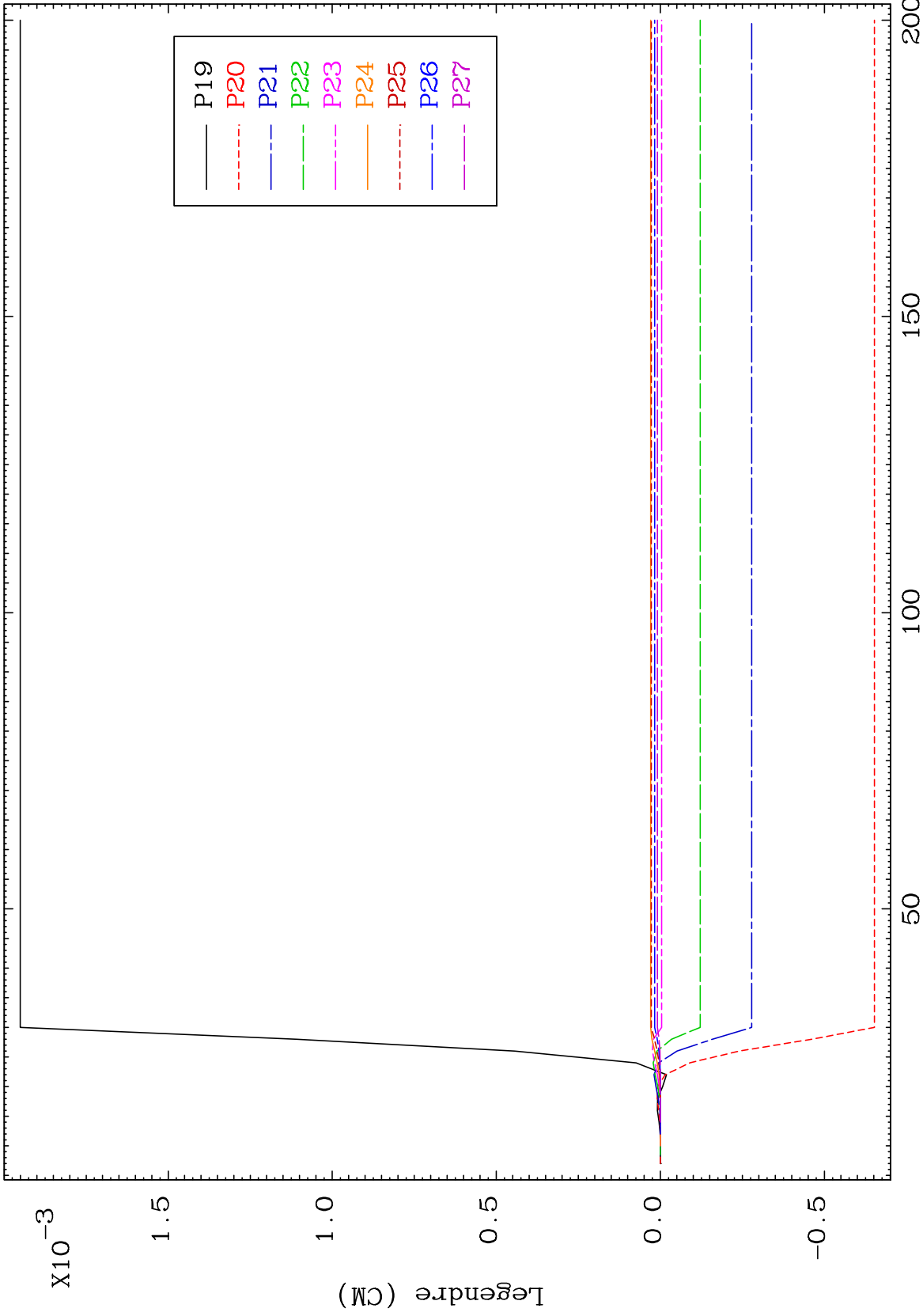
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



65

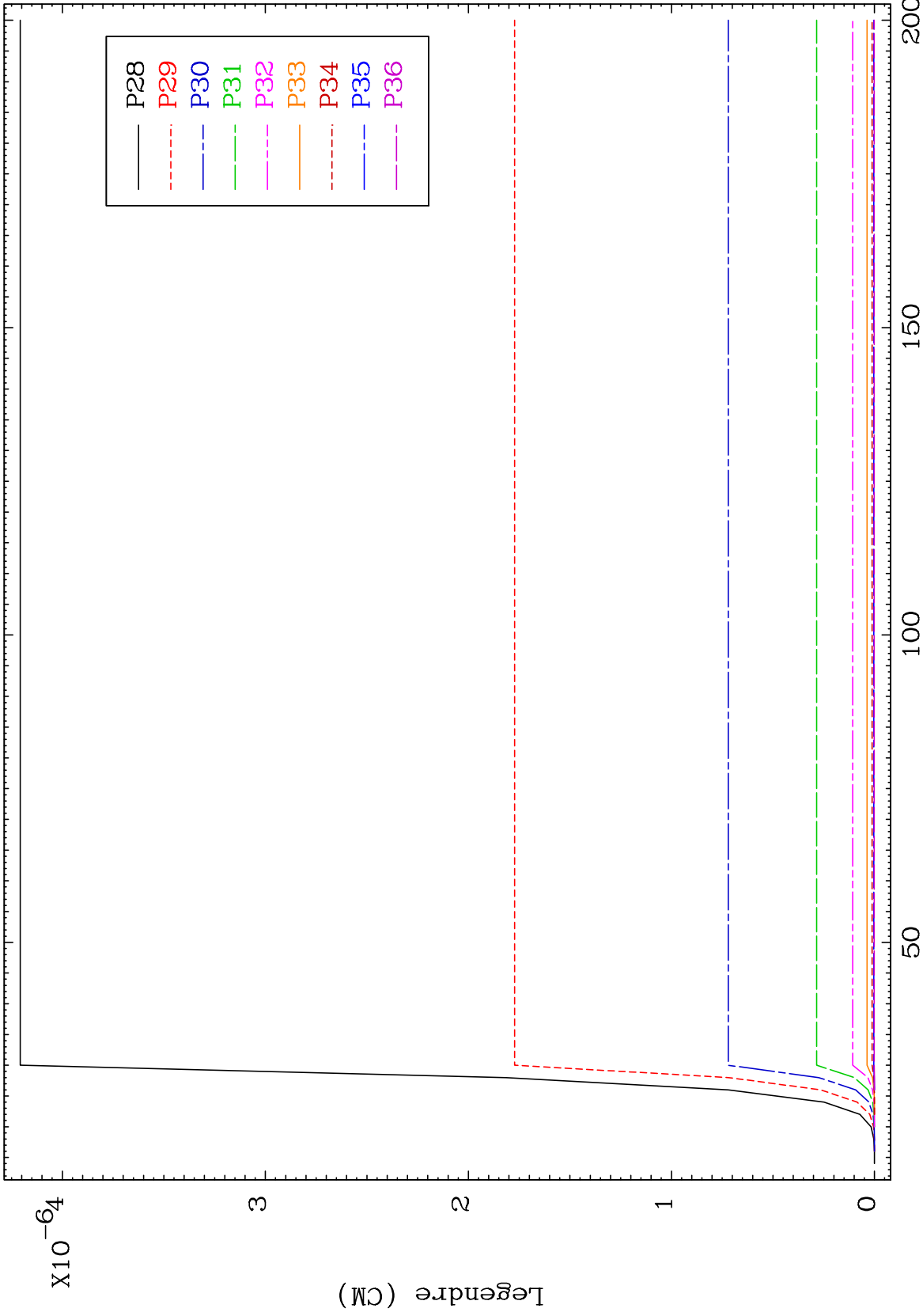
Incident Energy (MeV)

81-T1-195

MAT 8101

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

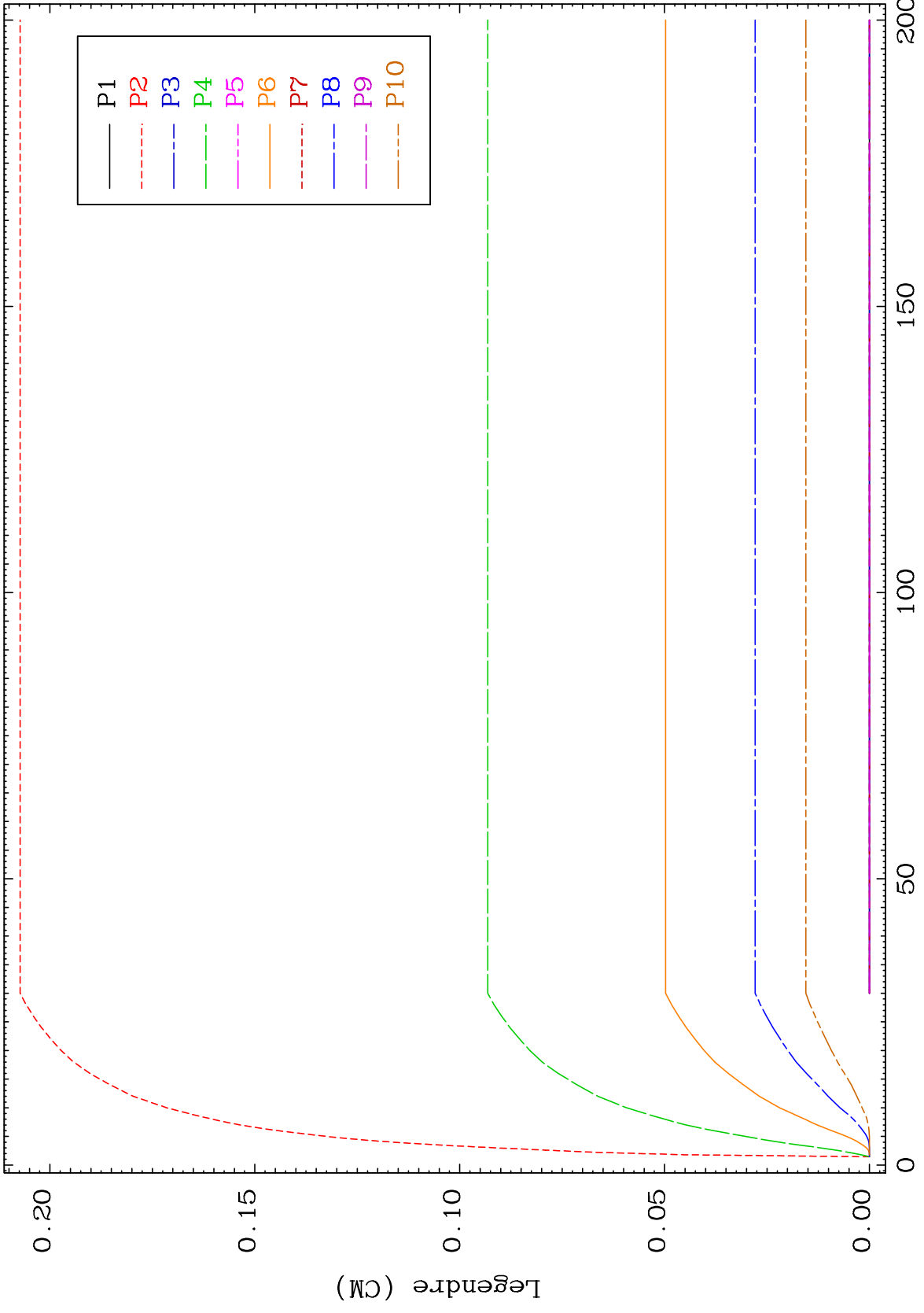
81-T1-195



66

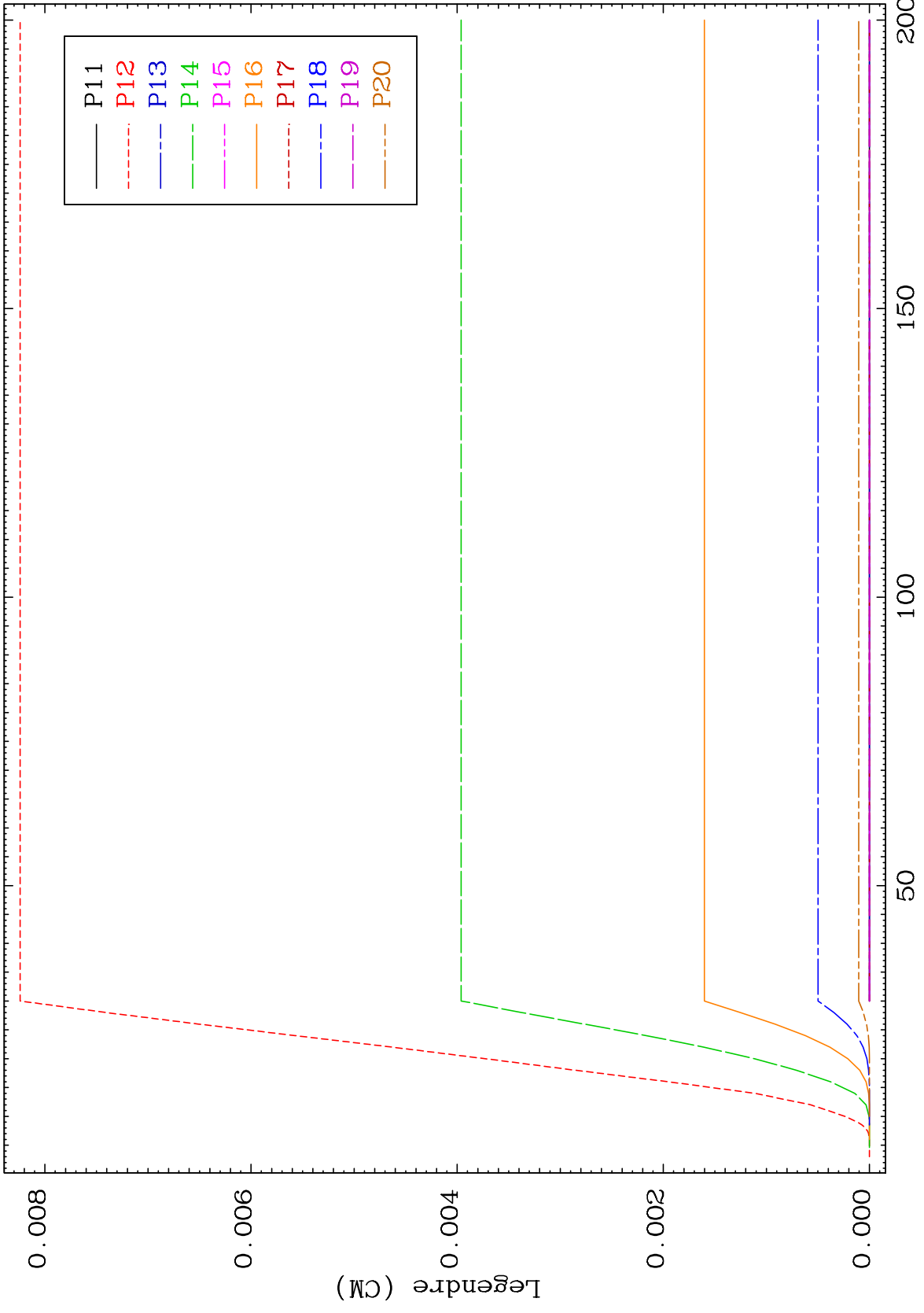
81-T1-195

MAT 8101 MT= 64 (n,n') Level Legendre Coefficients 81-T1-195



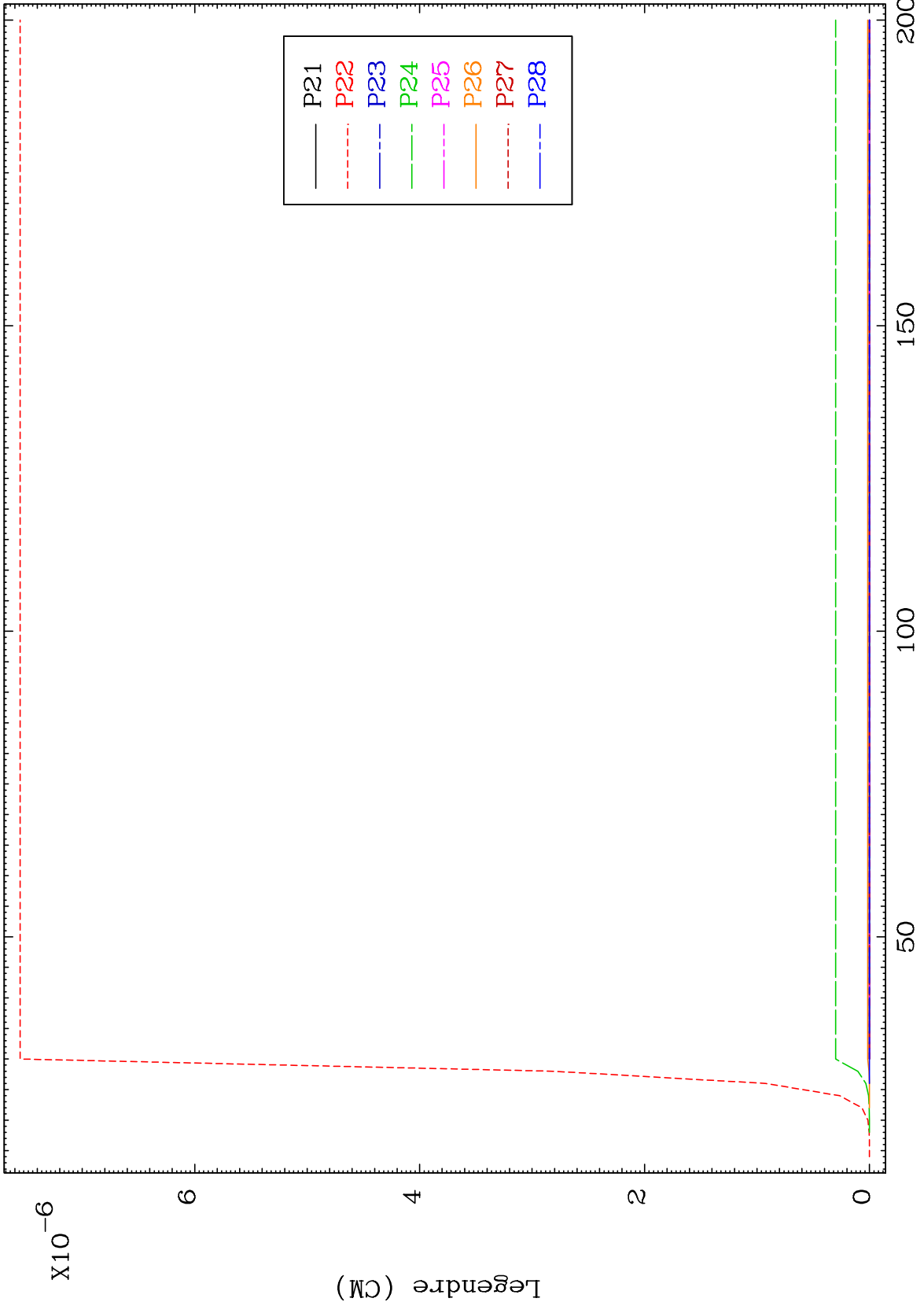
67 81-T1-195

MAT 8101 MT= 64 (n,n') Level Legendre Coefficients 81-T1-195



68 81-T1-195

MAT 8101 MT= 64 (n,n') Level Legendre Coefficients 81-T1-195

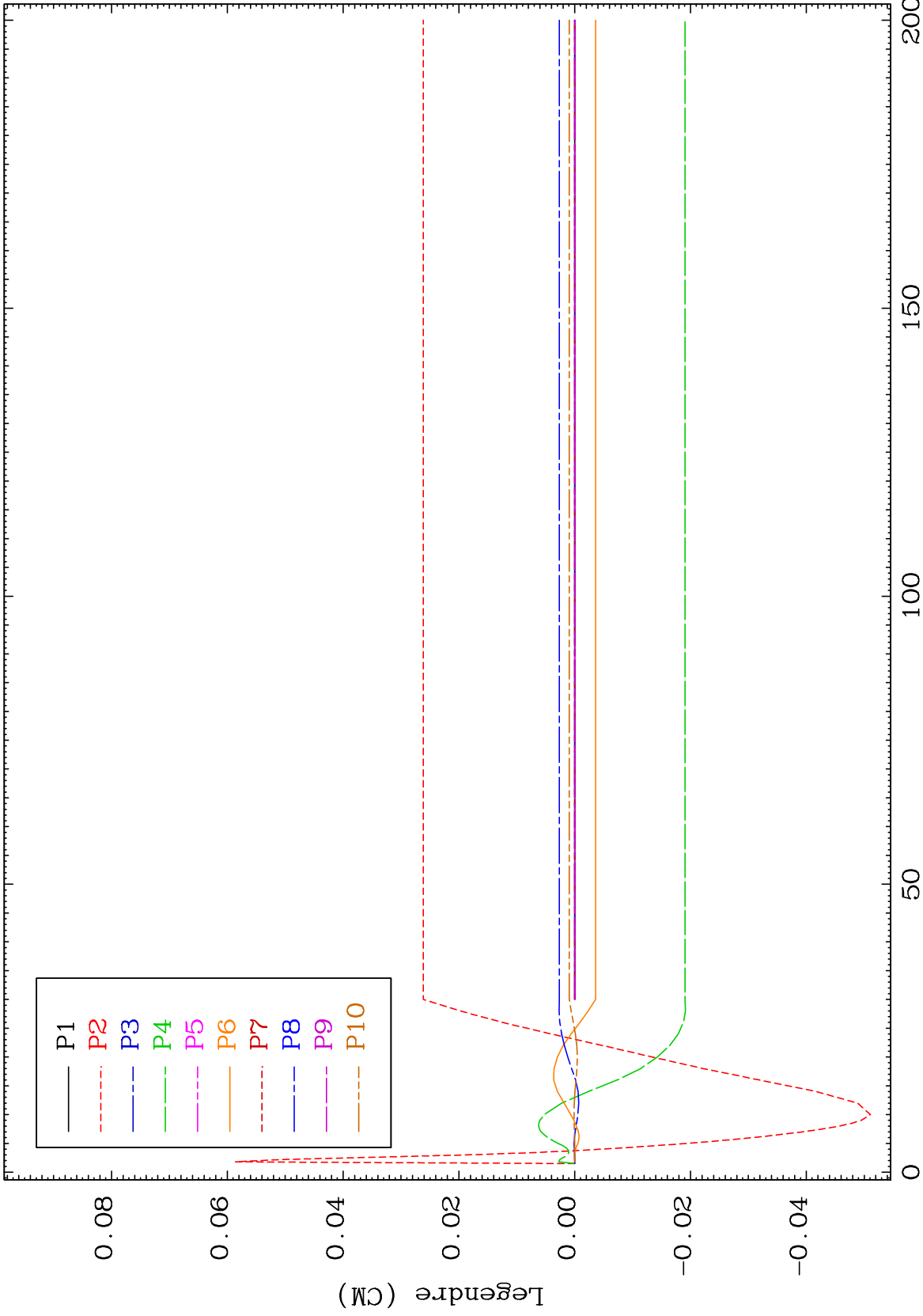


69 81-T1-195

MAT 8101

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

81-T1-195



70

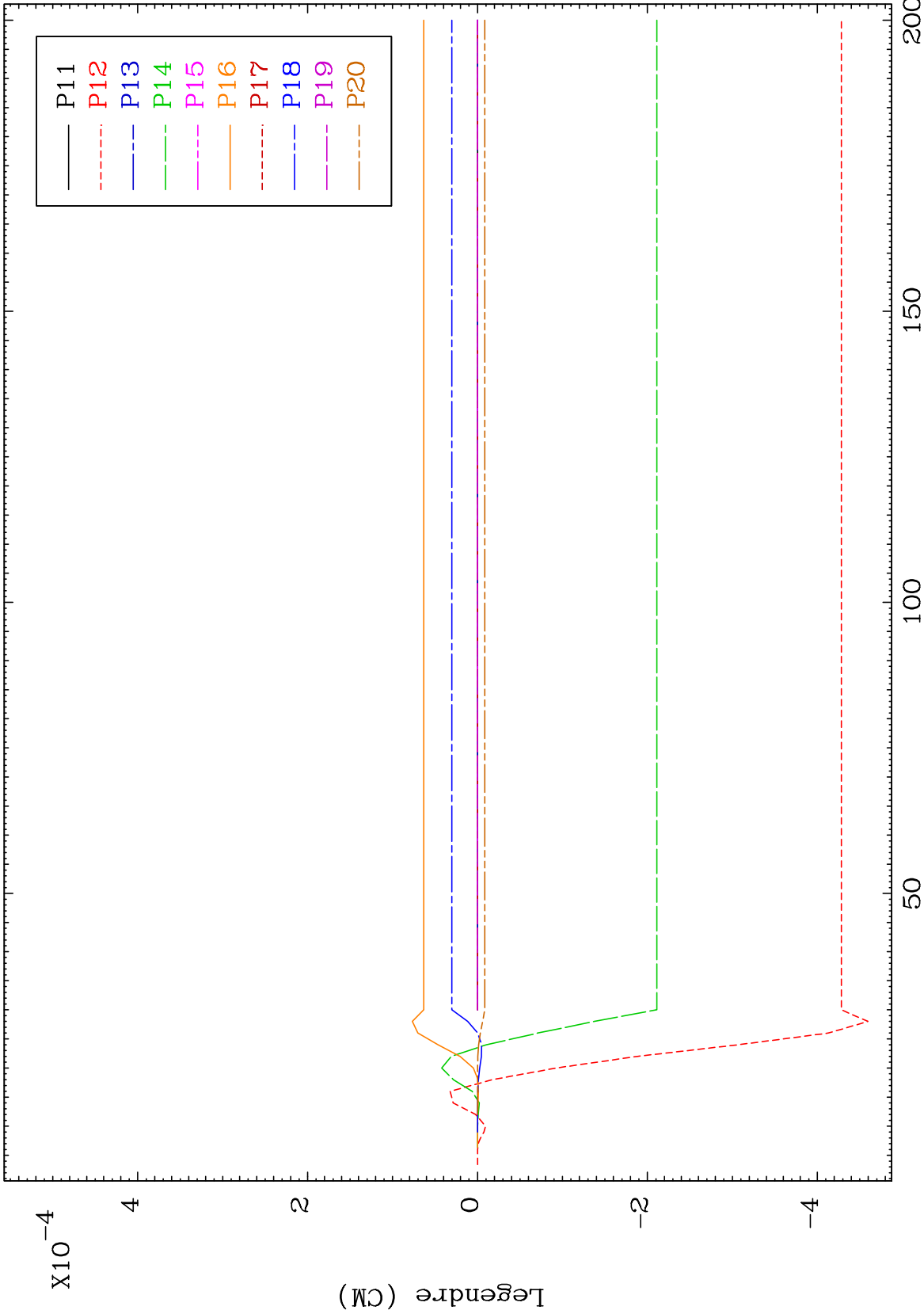
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



71

Incident Energy (MeV)

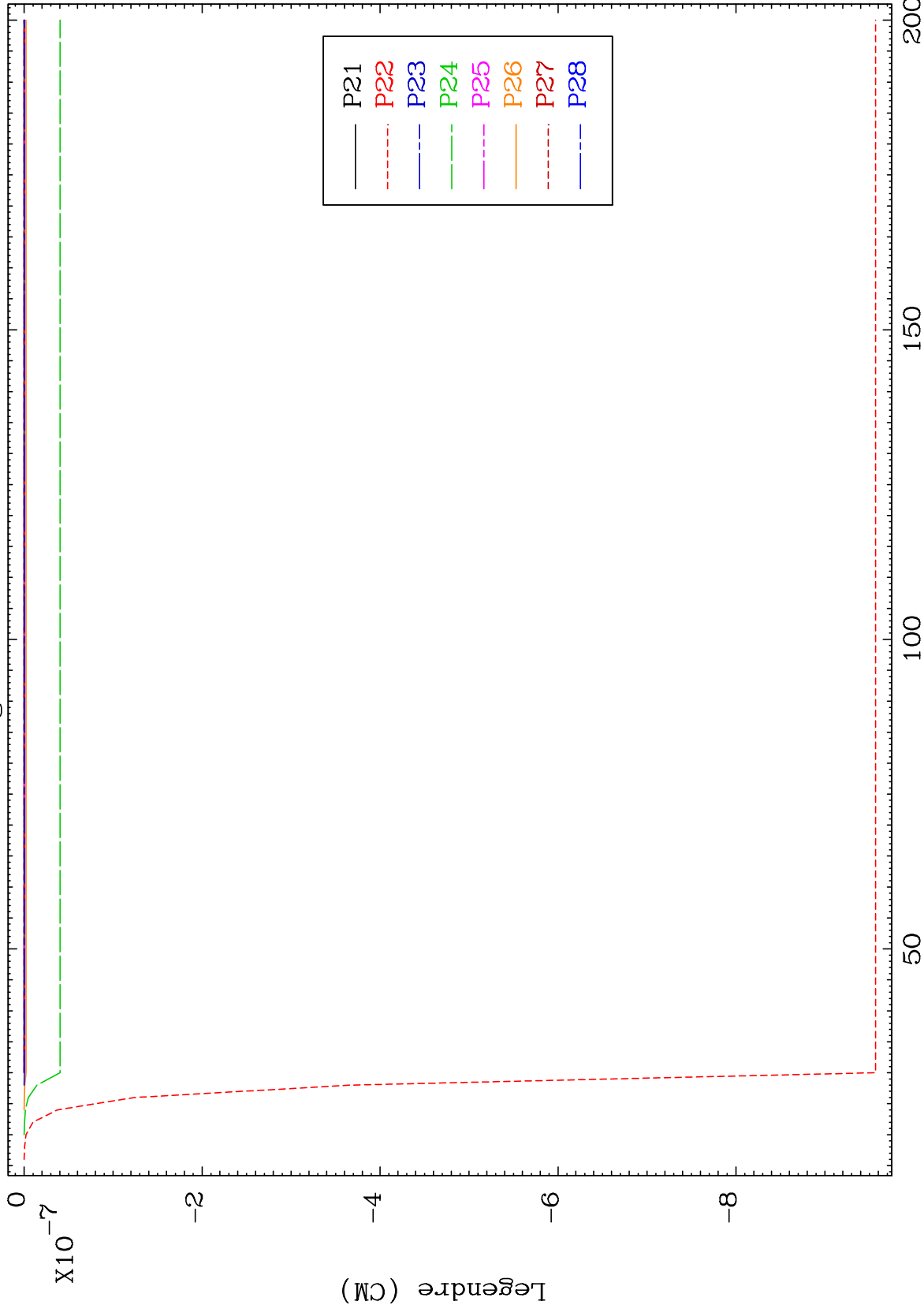
81-T1-195



MAT 8101

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

81-T1-195

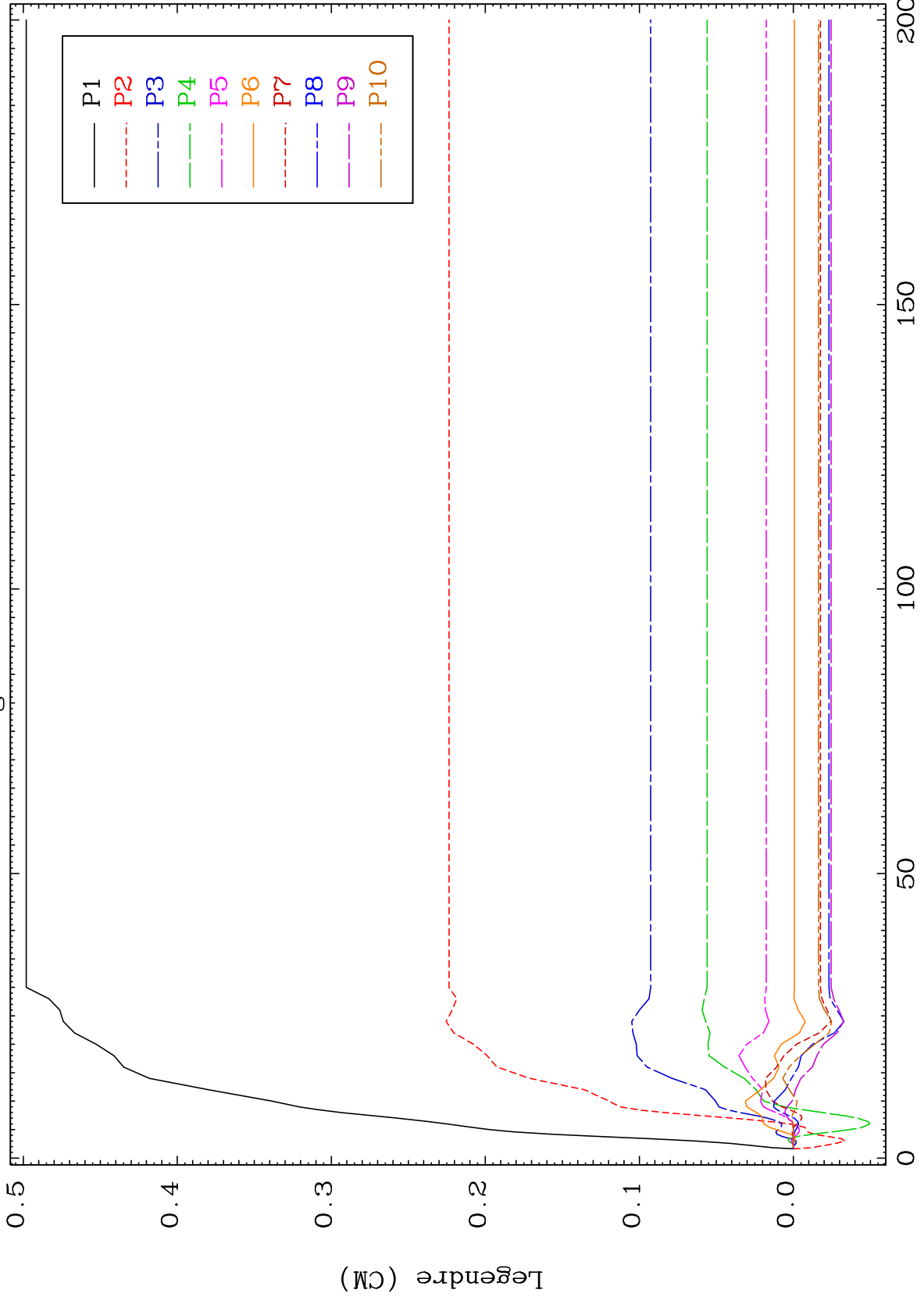


81-T1-195

Incident Energy (MeV)

72

MAT 8101 MT= 66 (n,n') Level Legendre Coefficients 81-T1-195

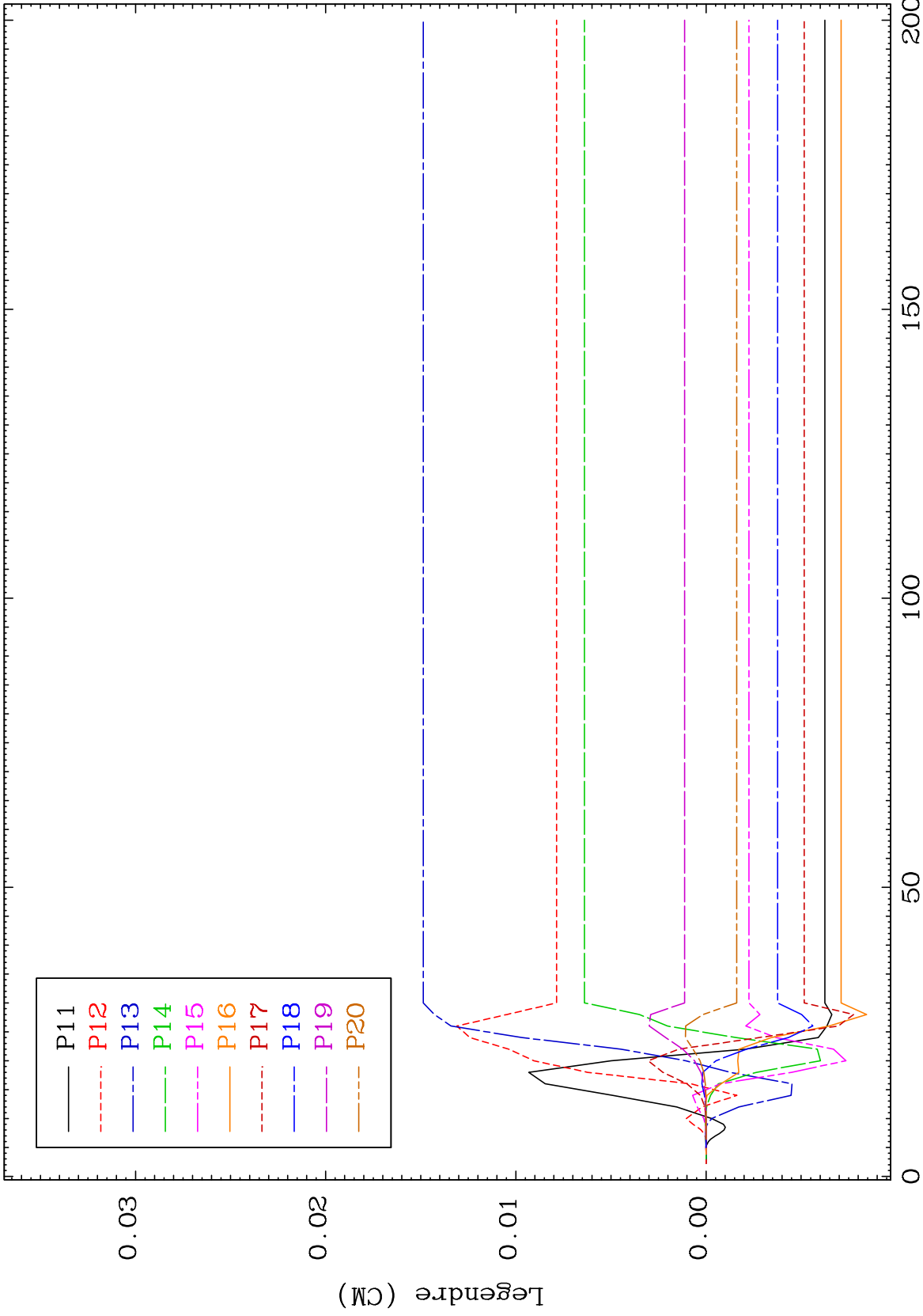


73 81-T1-195

MAT 8101

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

81-T1-195



74

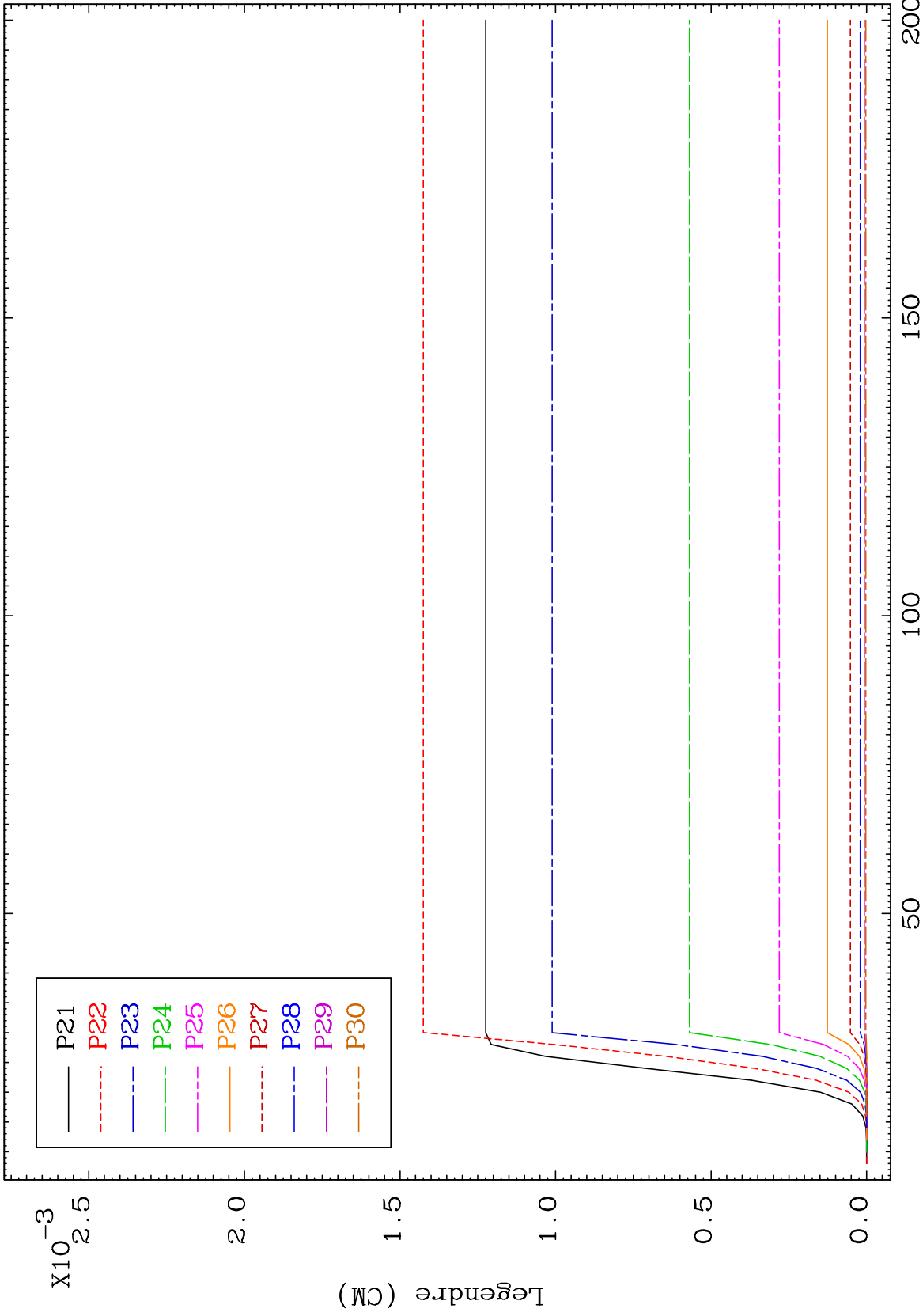
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



75

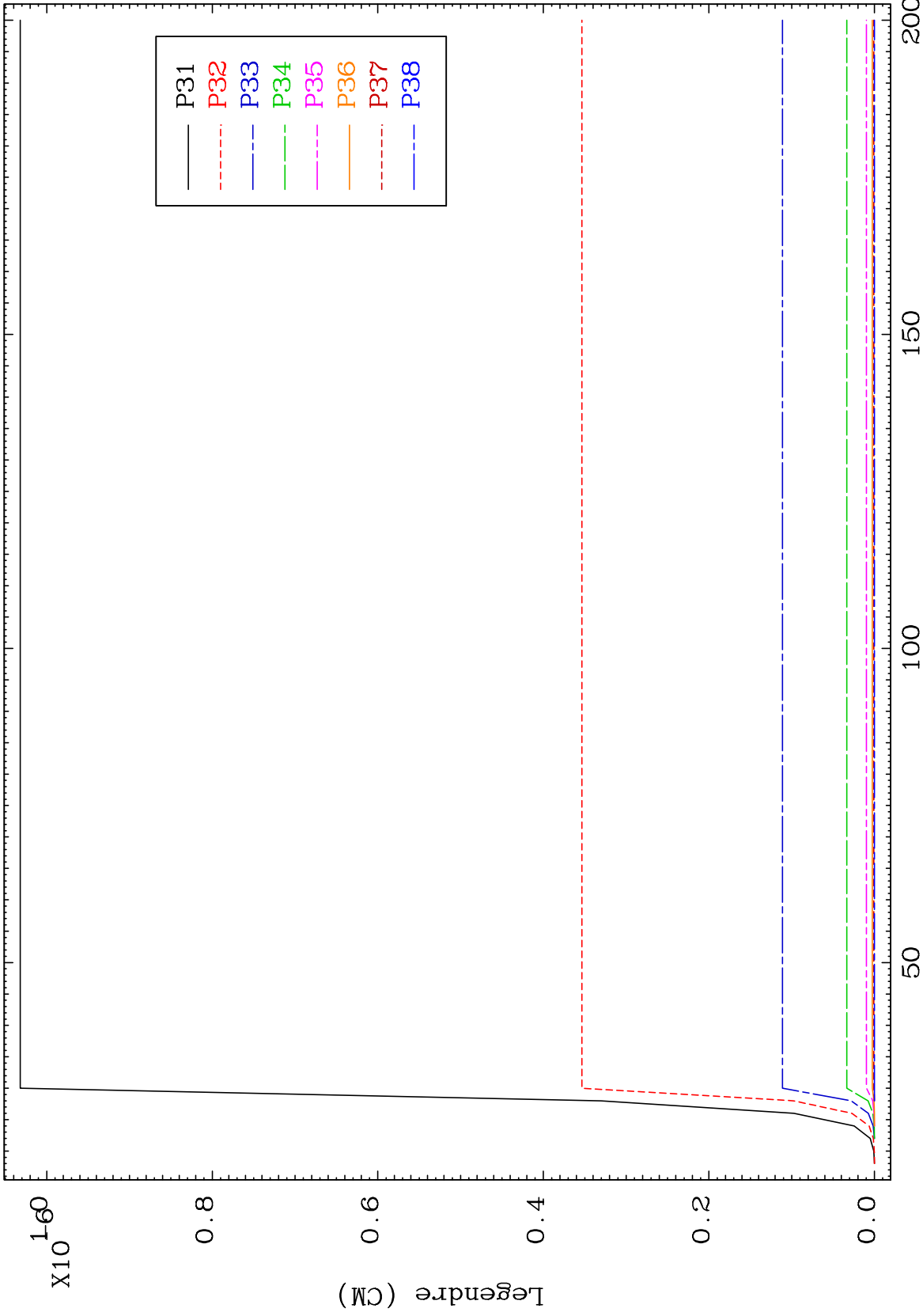
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



76

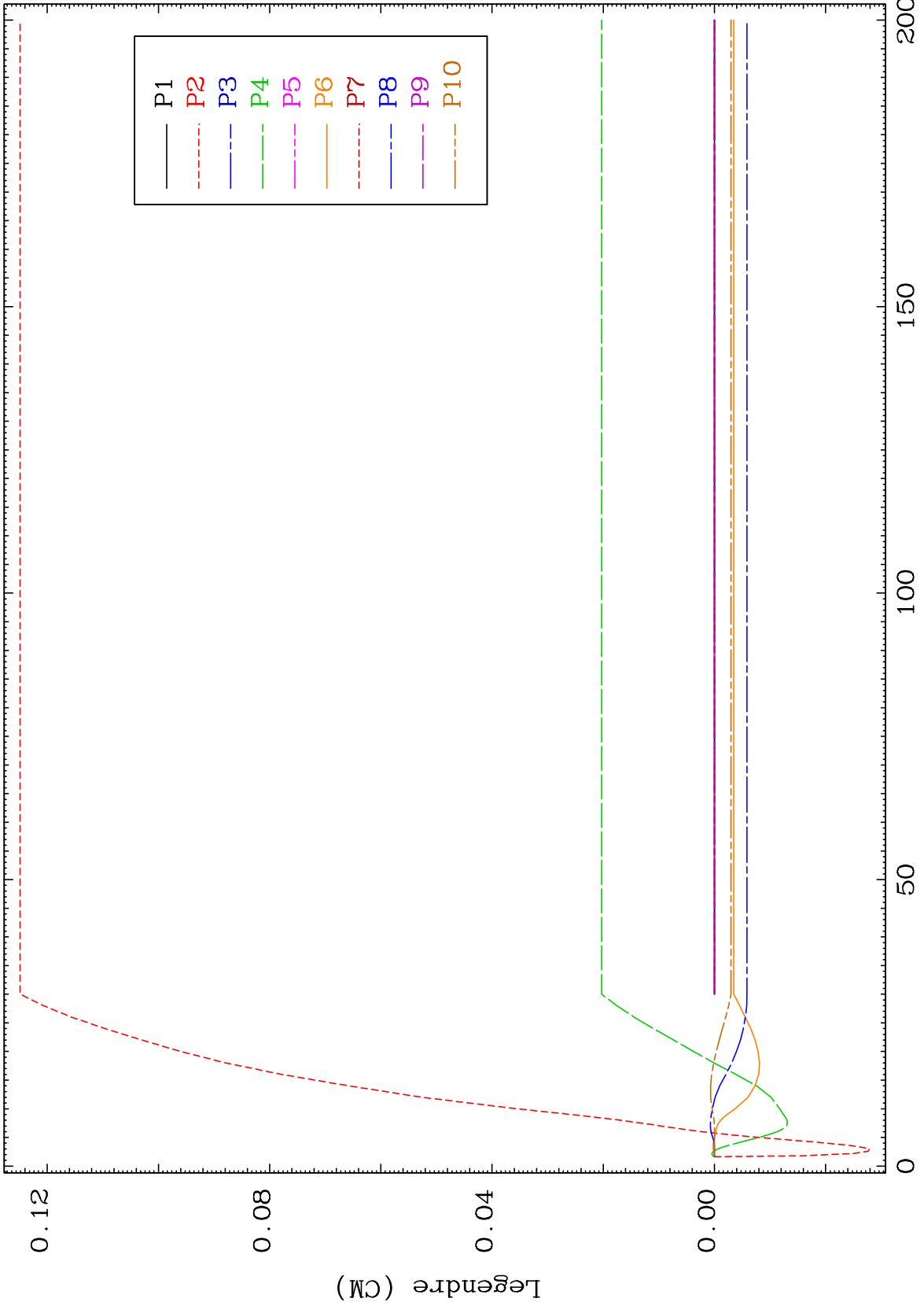
Incident Energy (MeV)

81-T1-195

MAT 8101 MT= 67 (n,n') Level Legendre Coefficients

81-T1-195

81-T1-195

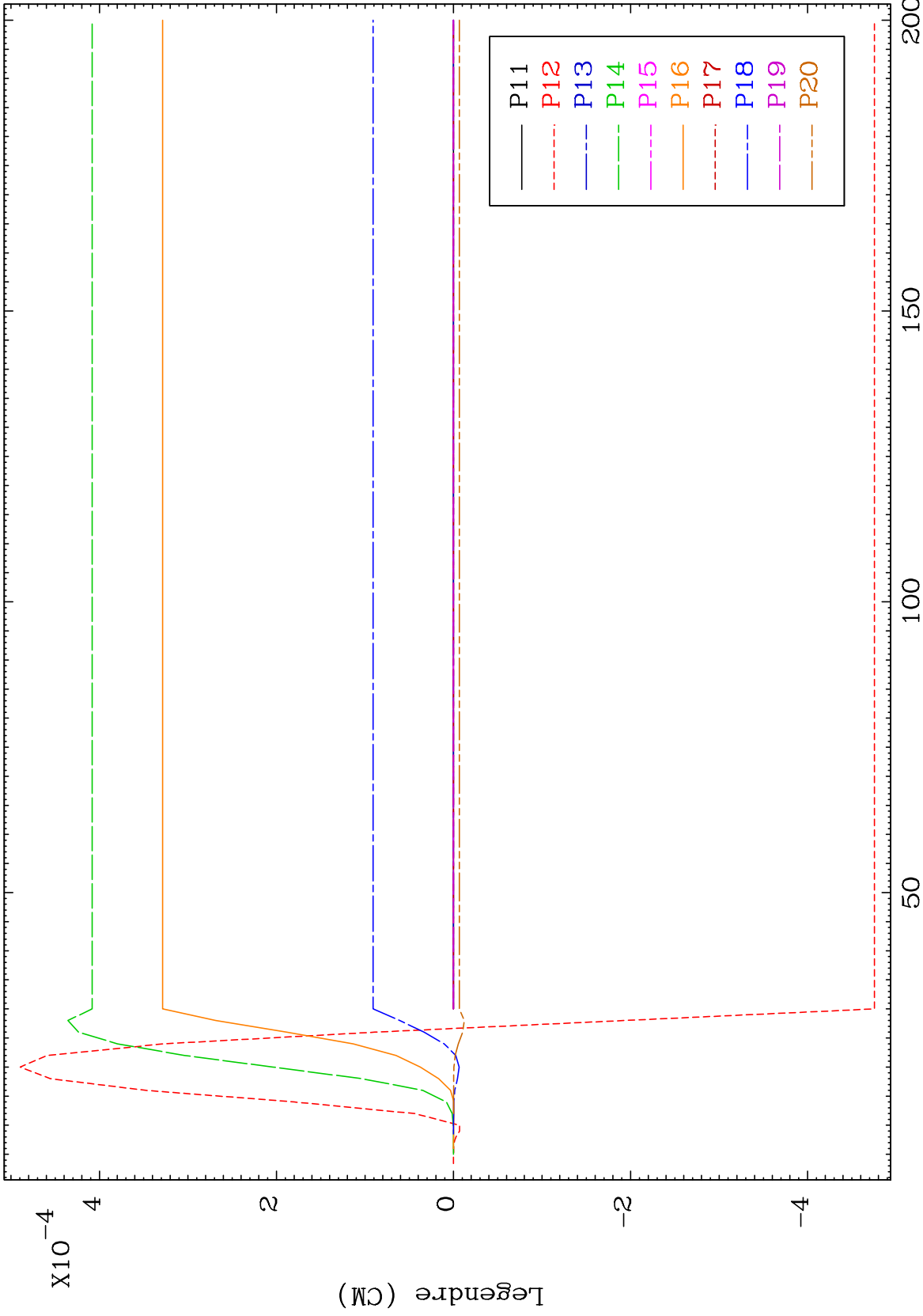


77

MAT 8101

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

81-T1-195



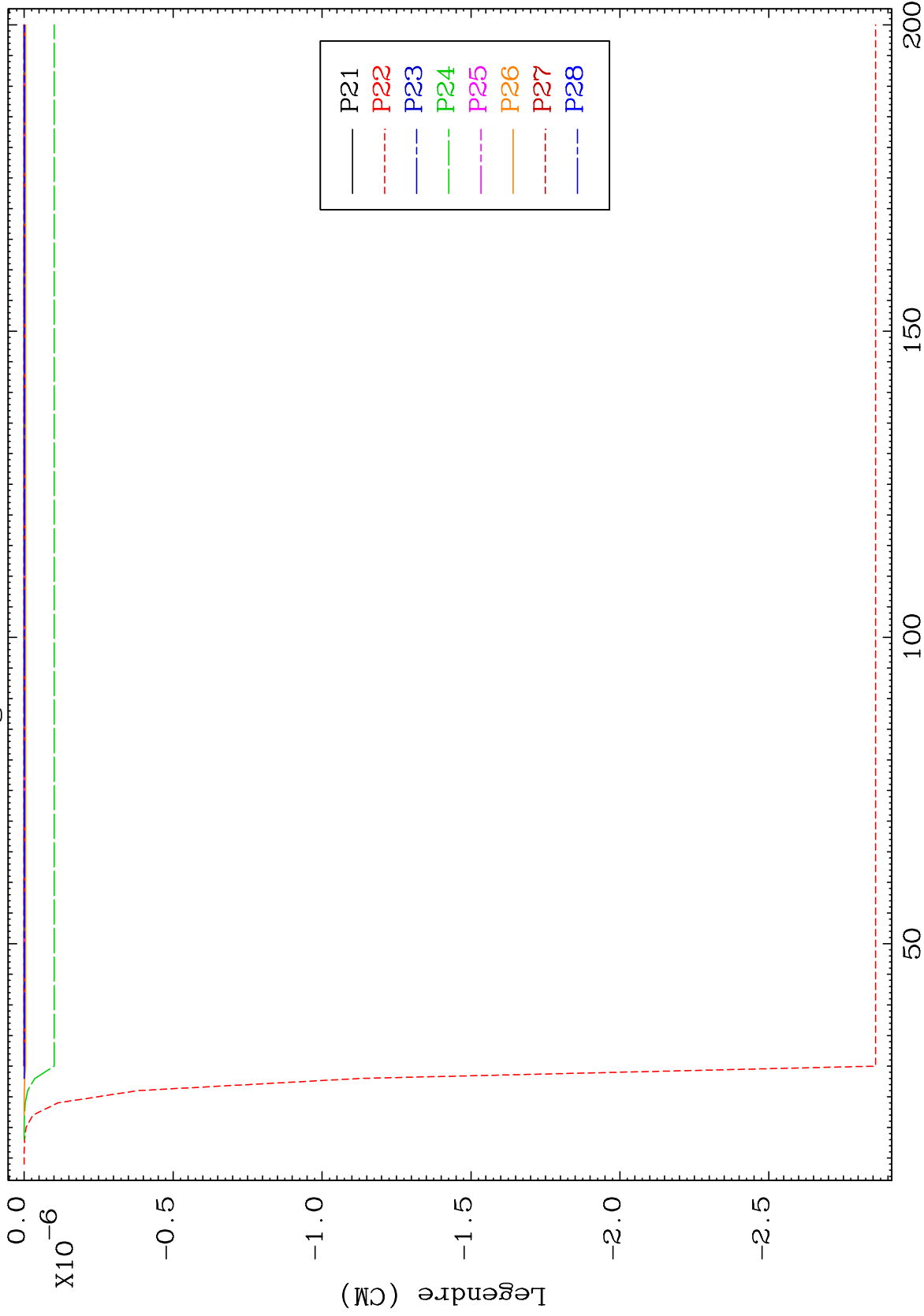
78

81-T1-195

MAT 8101

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

81-T1-195



79

Incident Energy (MeV)

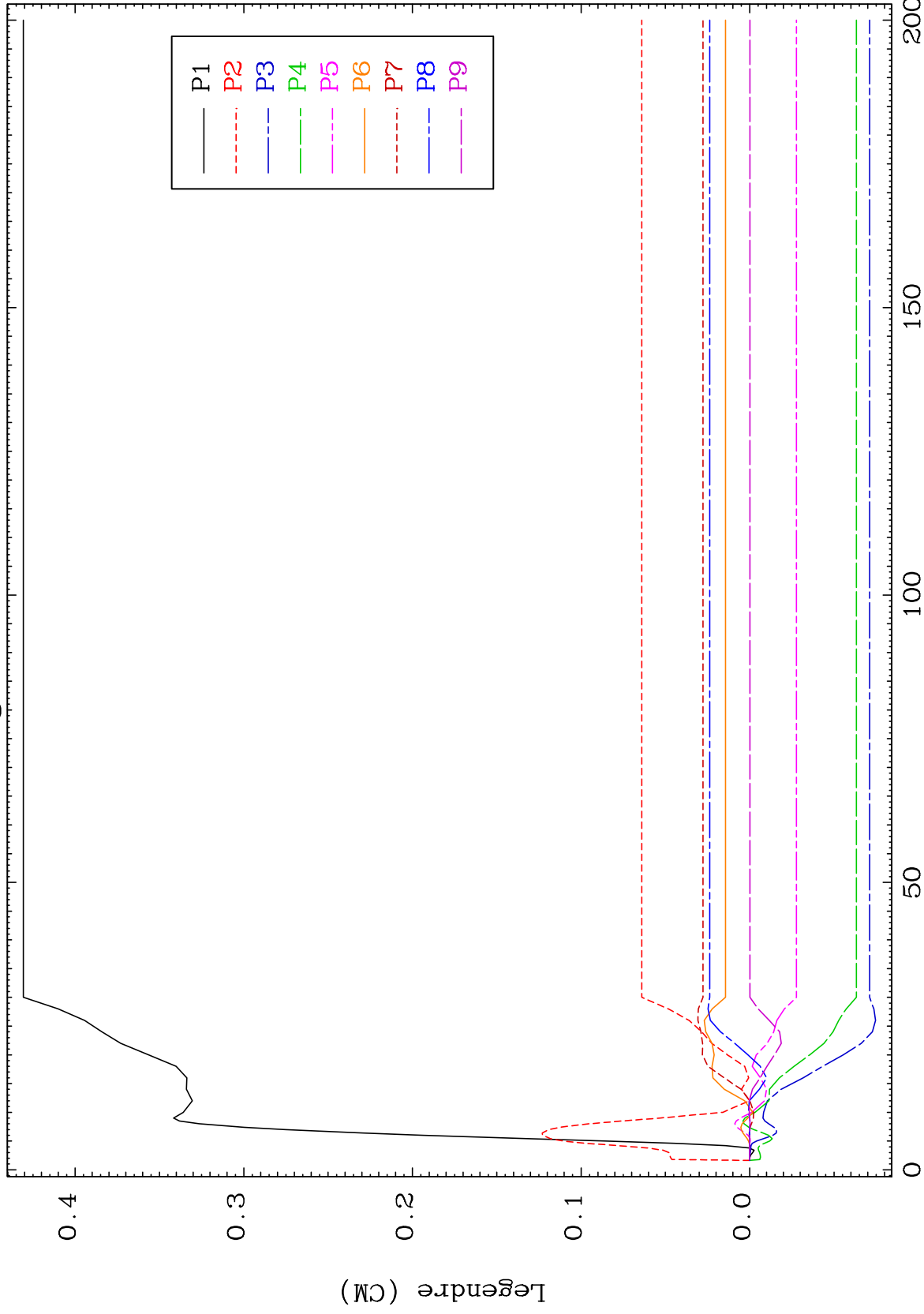
81-T1-195



MAT 8101

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

81-T1-195



80

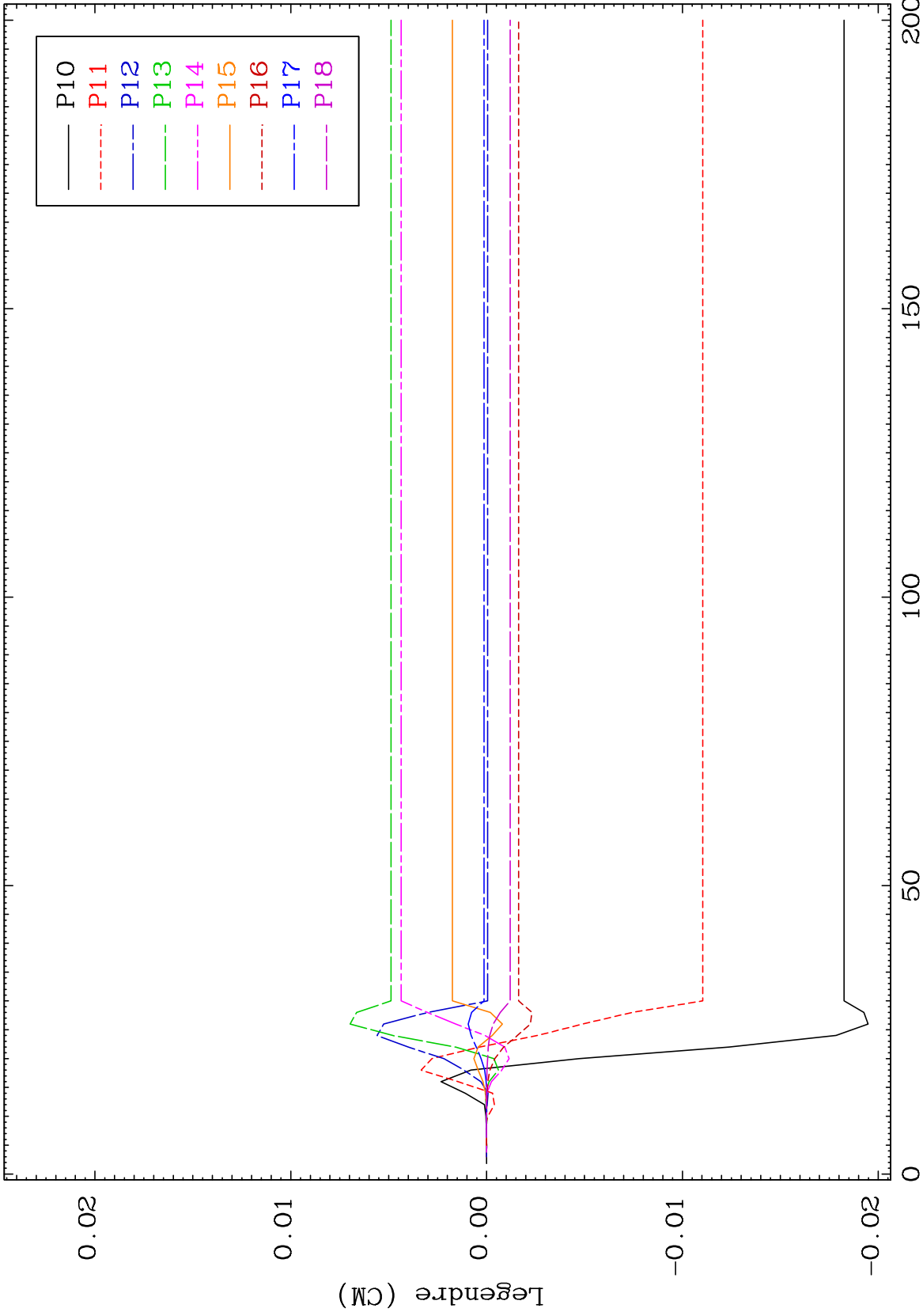
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



81

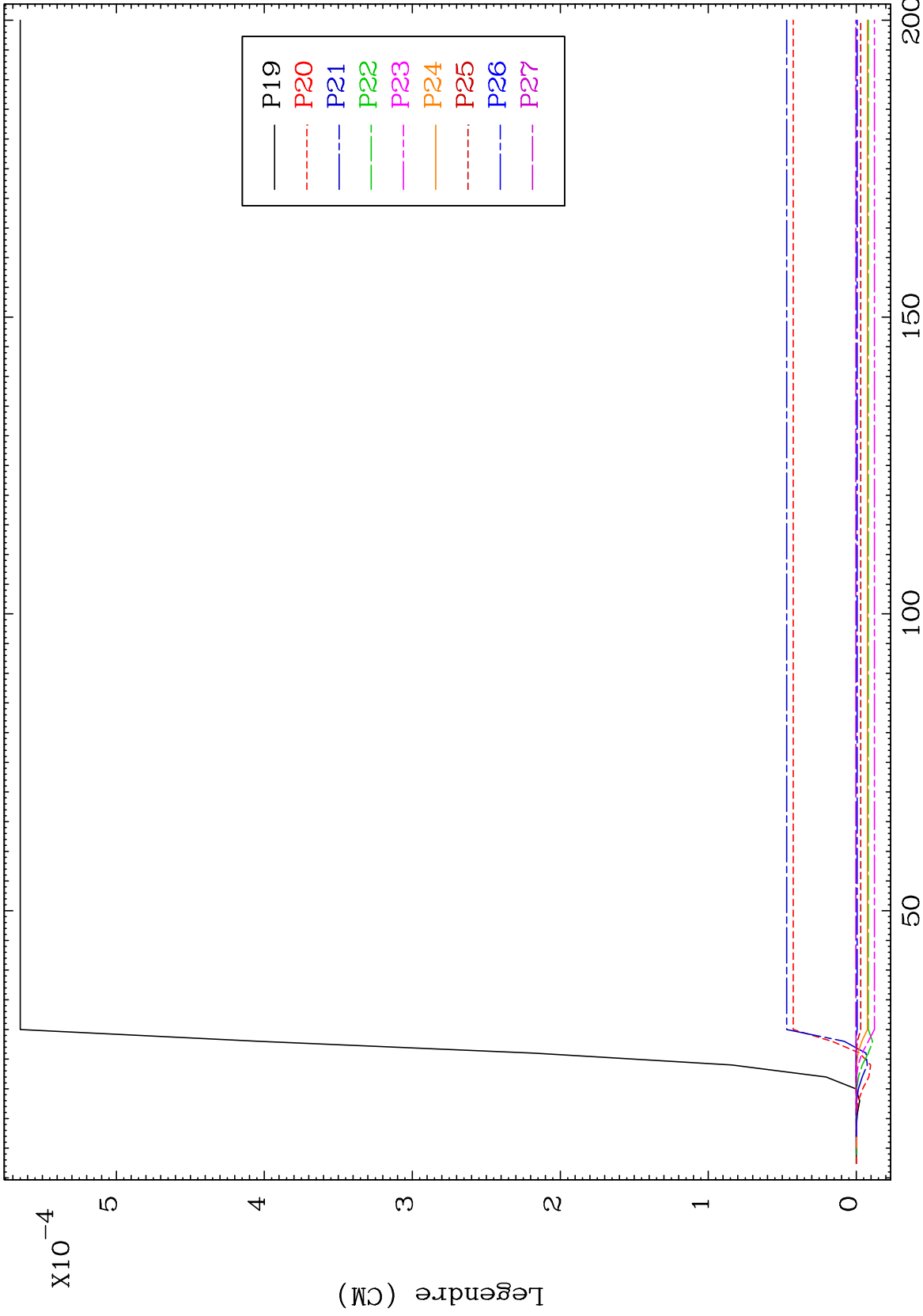
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



82

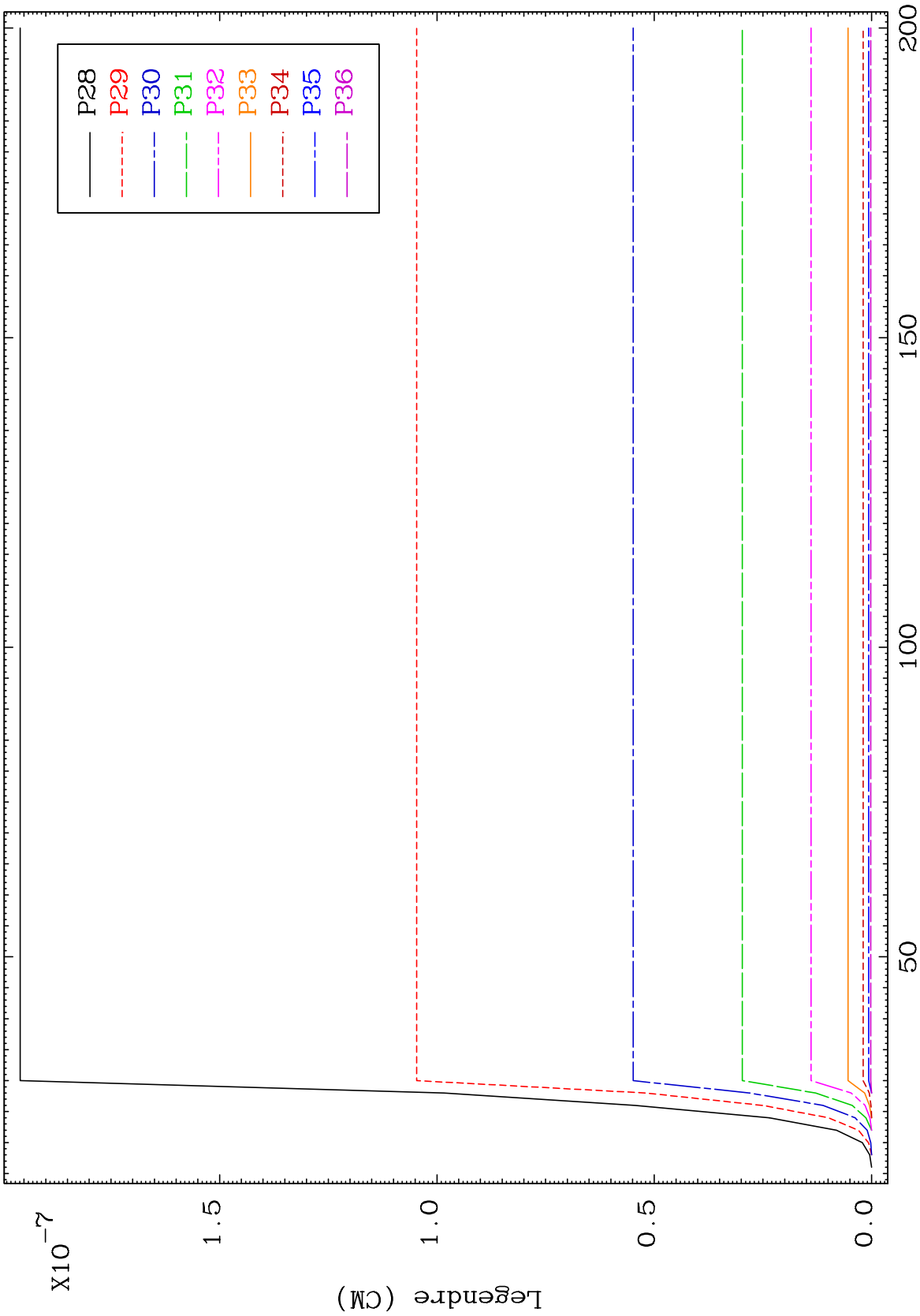
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195

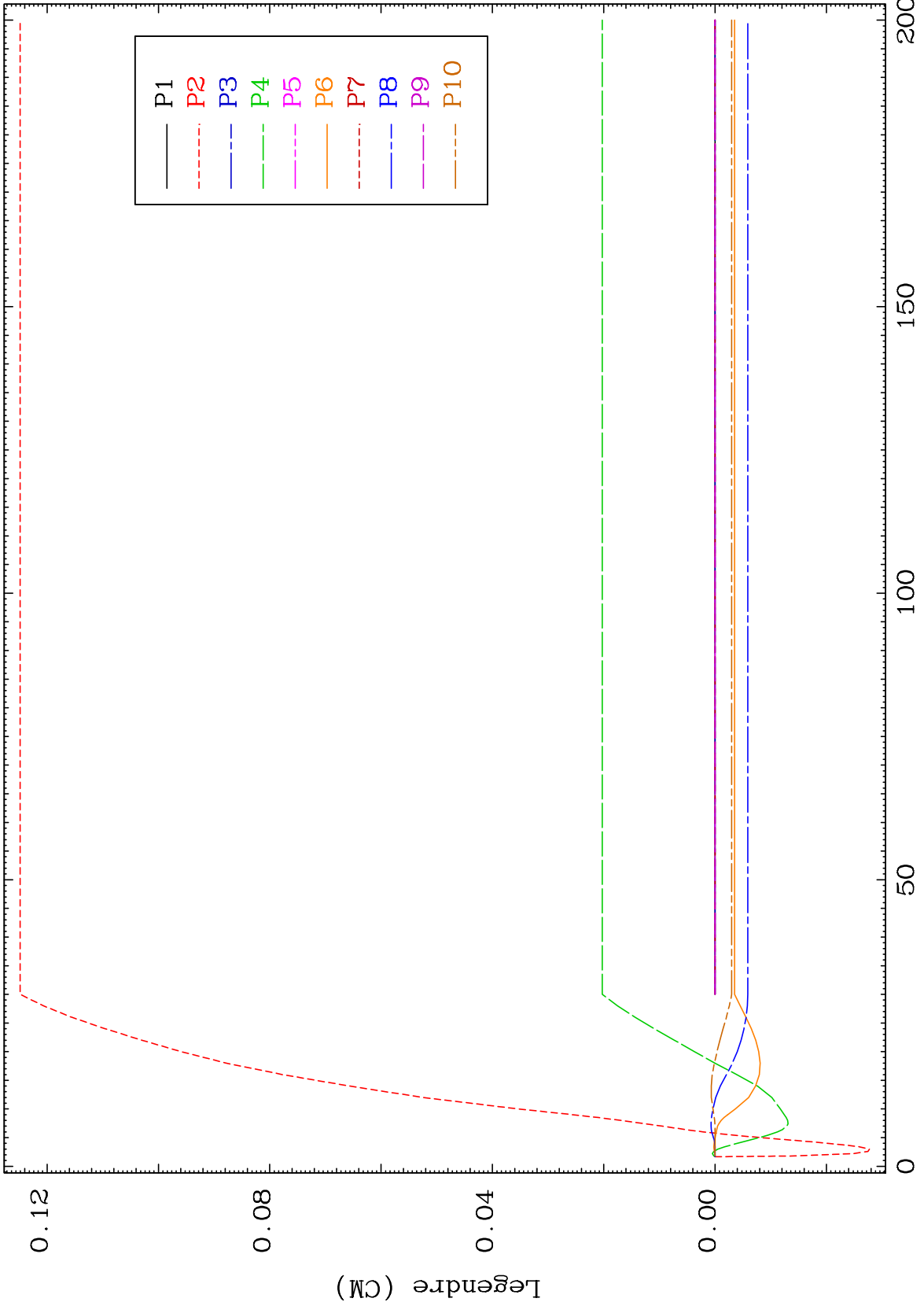


83

Incident Energy (MeV)

81-T1-195

MAT 8101 MT= 69 (n,n') Level Legendre Coefficients 81-T1-195

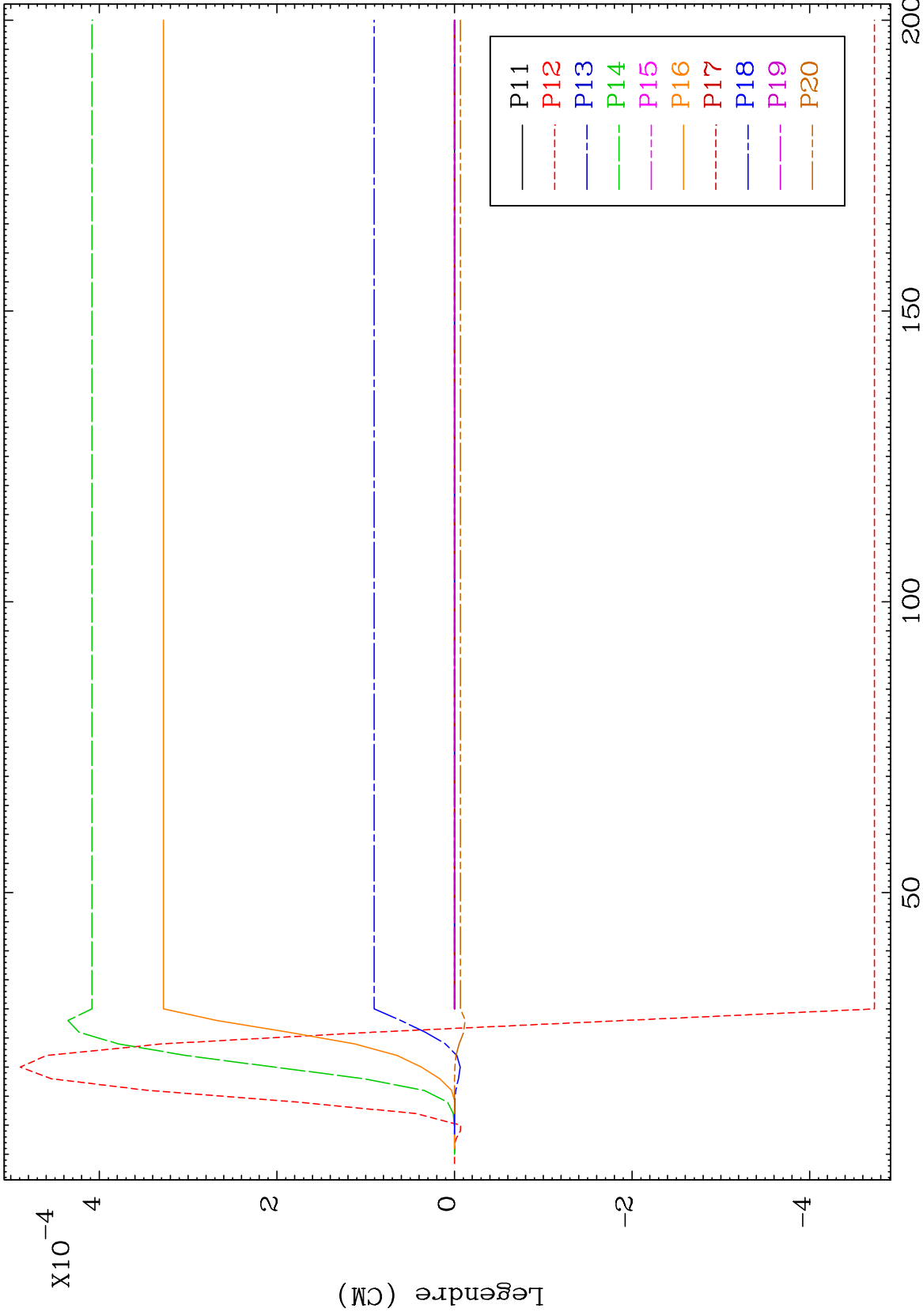


84 81-T1-195

MAT 8101

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

81-T1-195

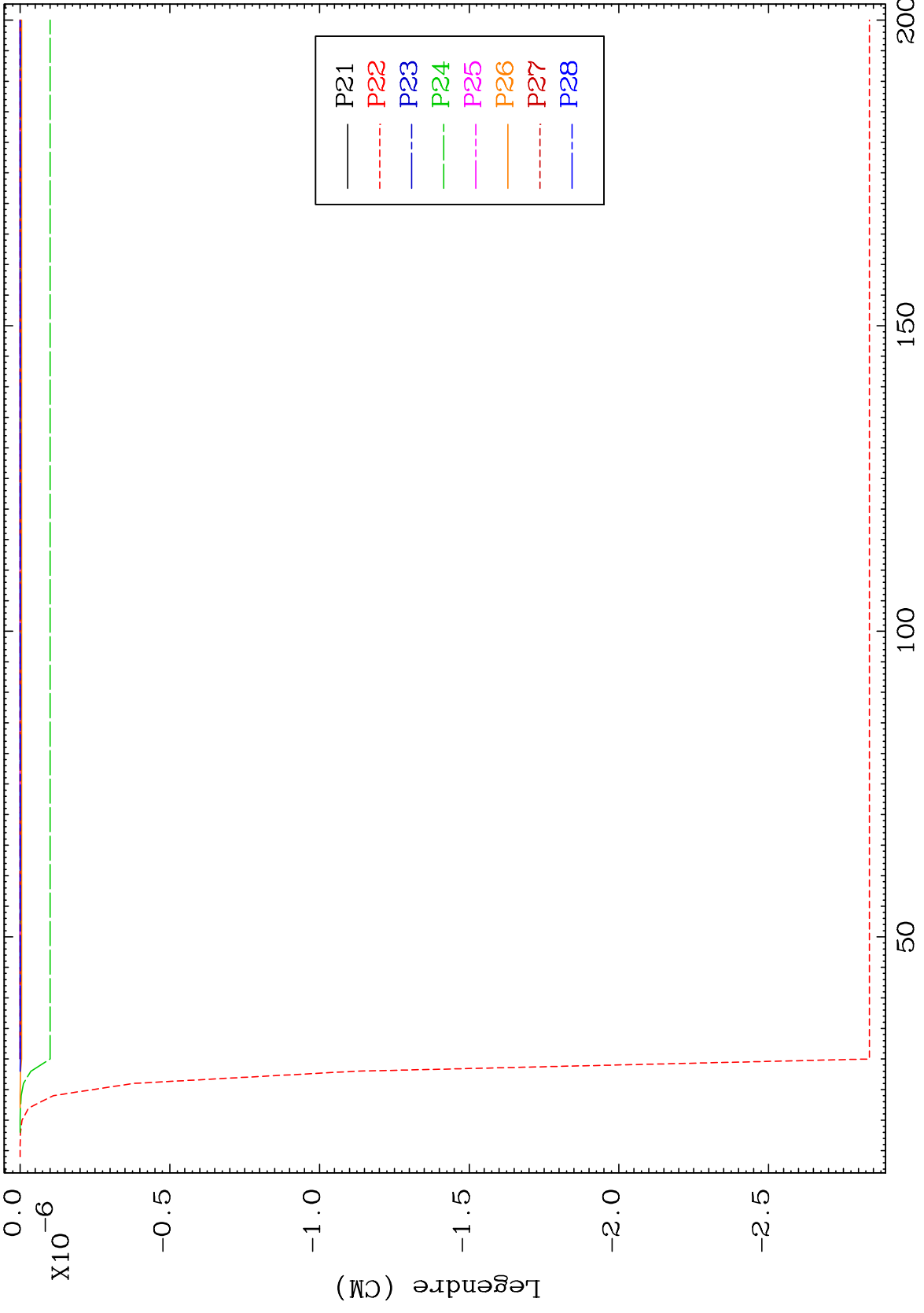


85

Incident Energy (MeV)

81-T1-195

MAT 8101 MT= 69 (n,n') Level Legendre Coefficients 81-T1-195

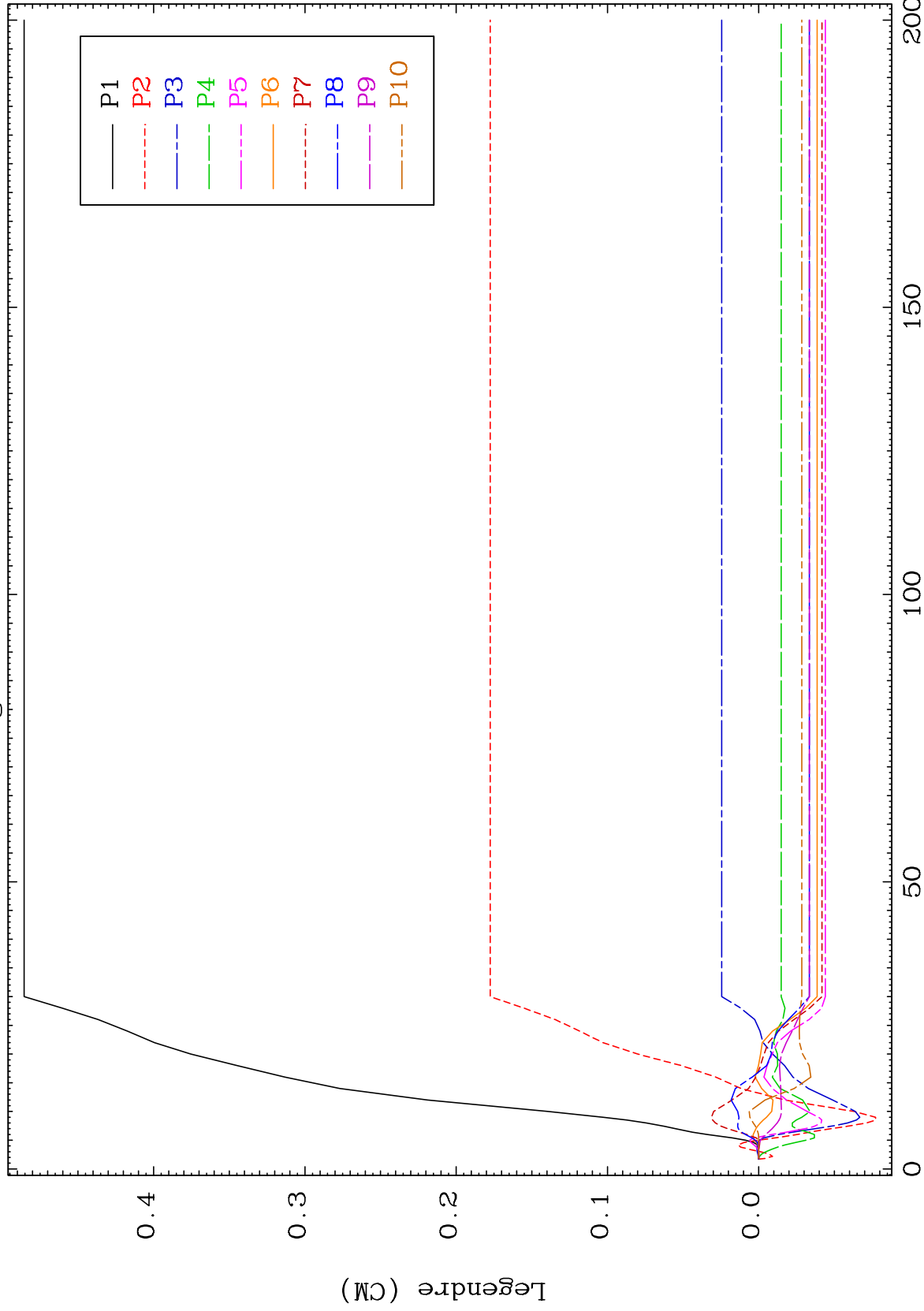


86 81-T1-195

MAT 8101

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

81-T1-195



87

Incident Energy (MeV)

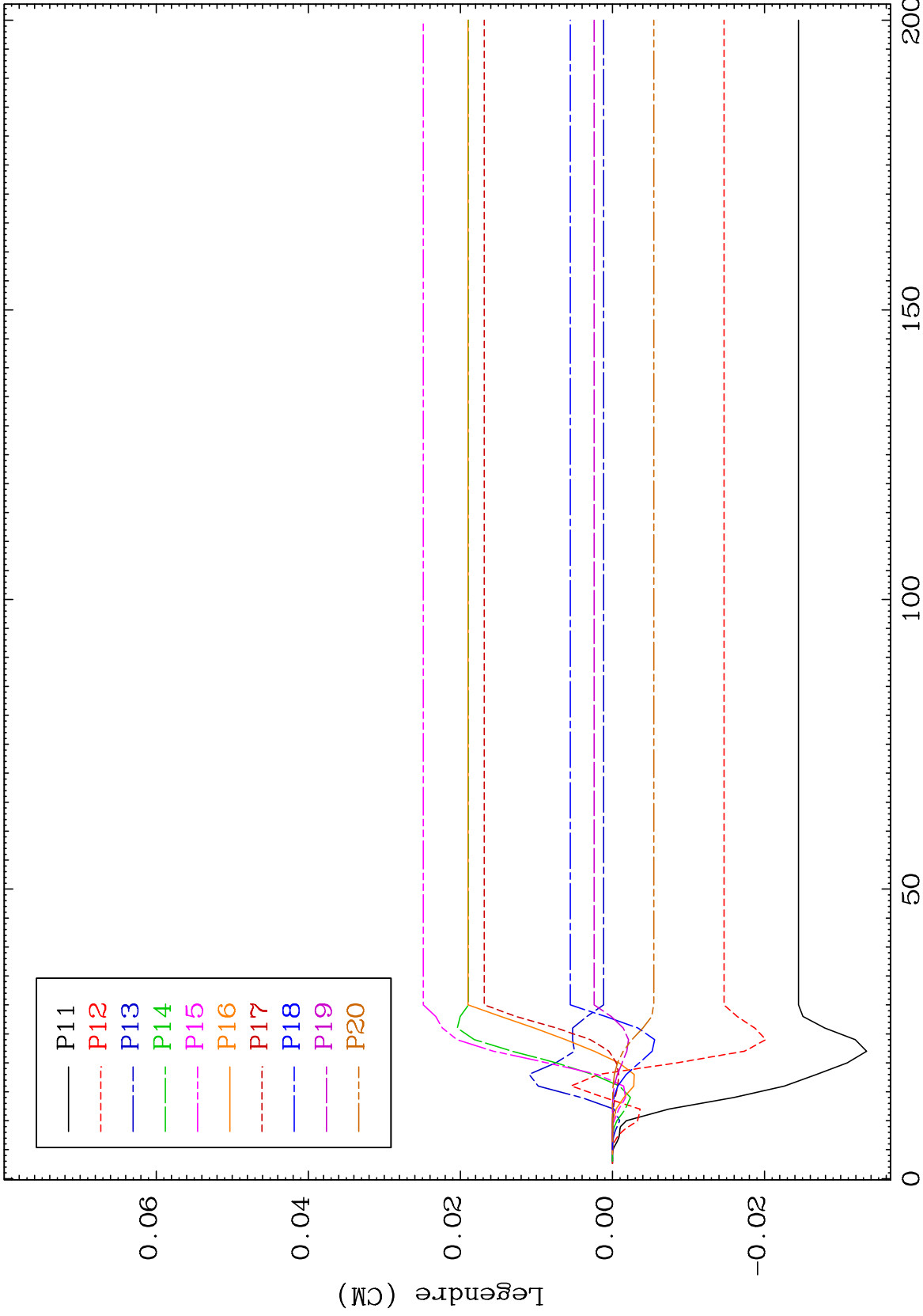
81-T1-195



MAT 8101

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

81-T1-195

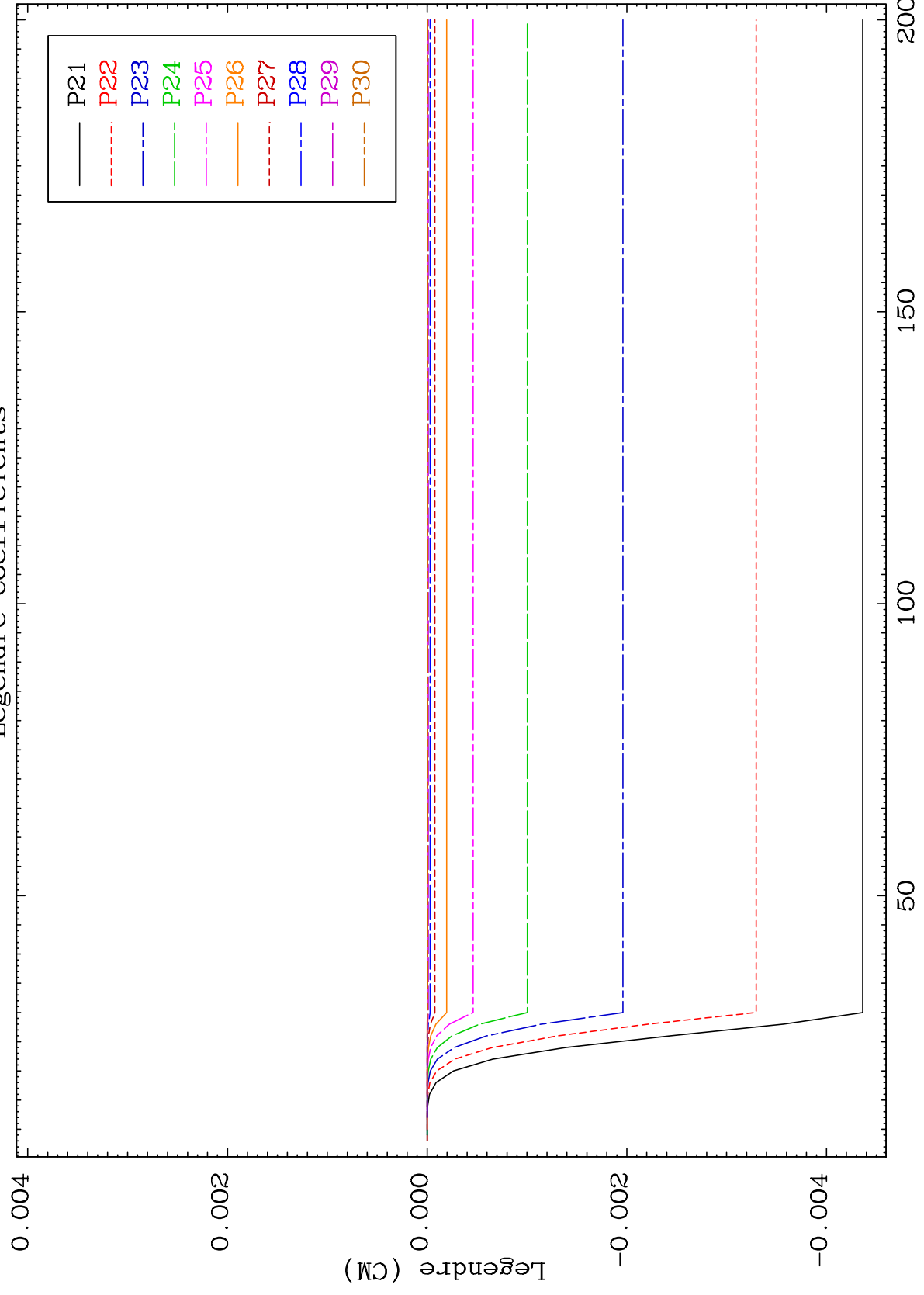


88

Incident Energy (MeV)

81-T1-195

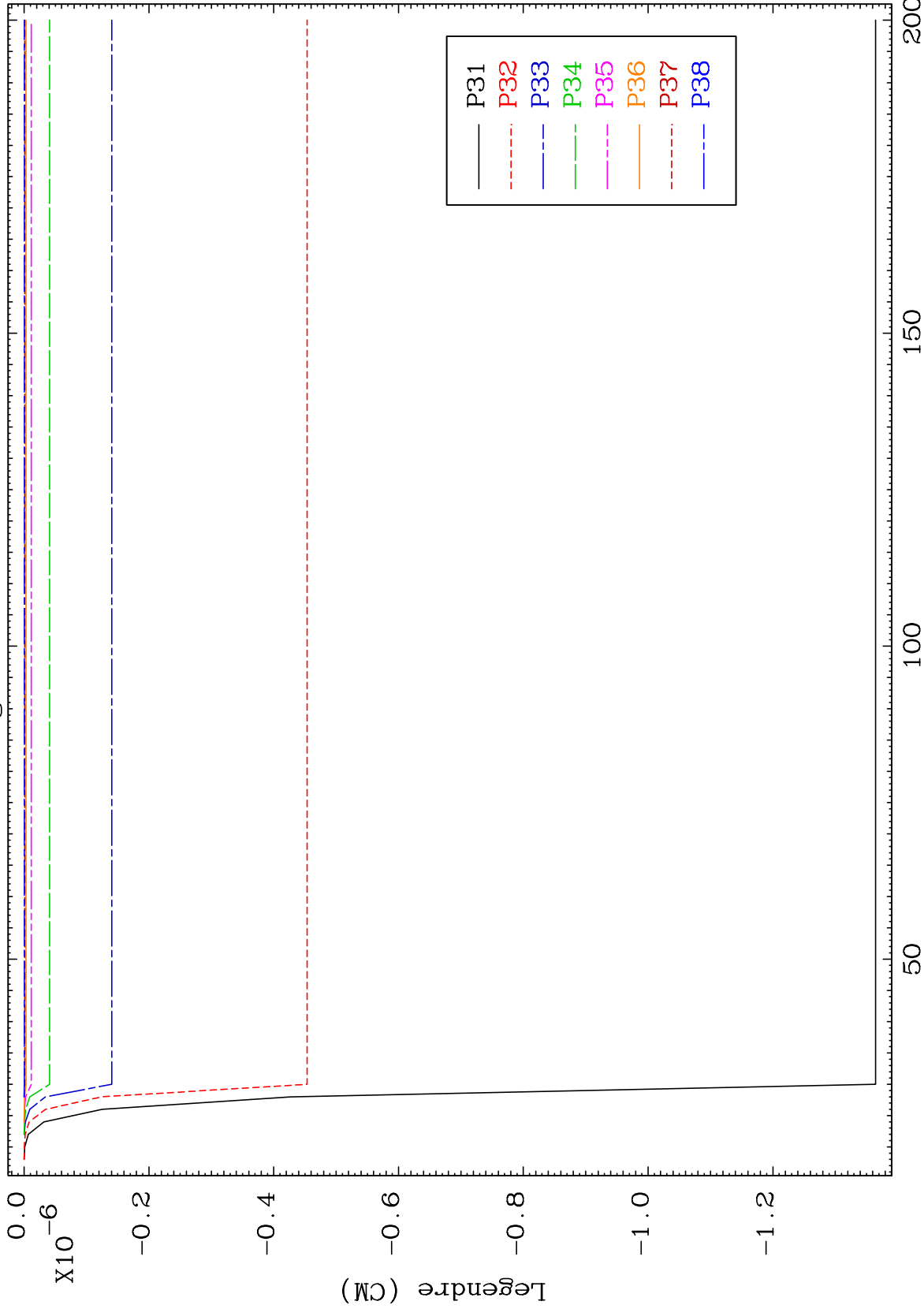
MAT 8101 MT= 70 (n,n') Level Legendre Coefficients 81-T1-195



MAT 8101

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

81-T1-195



81-T1-195

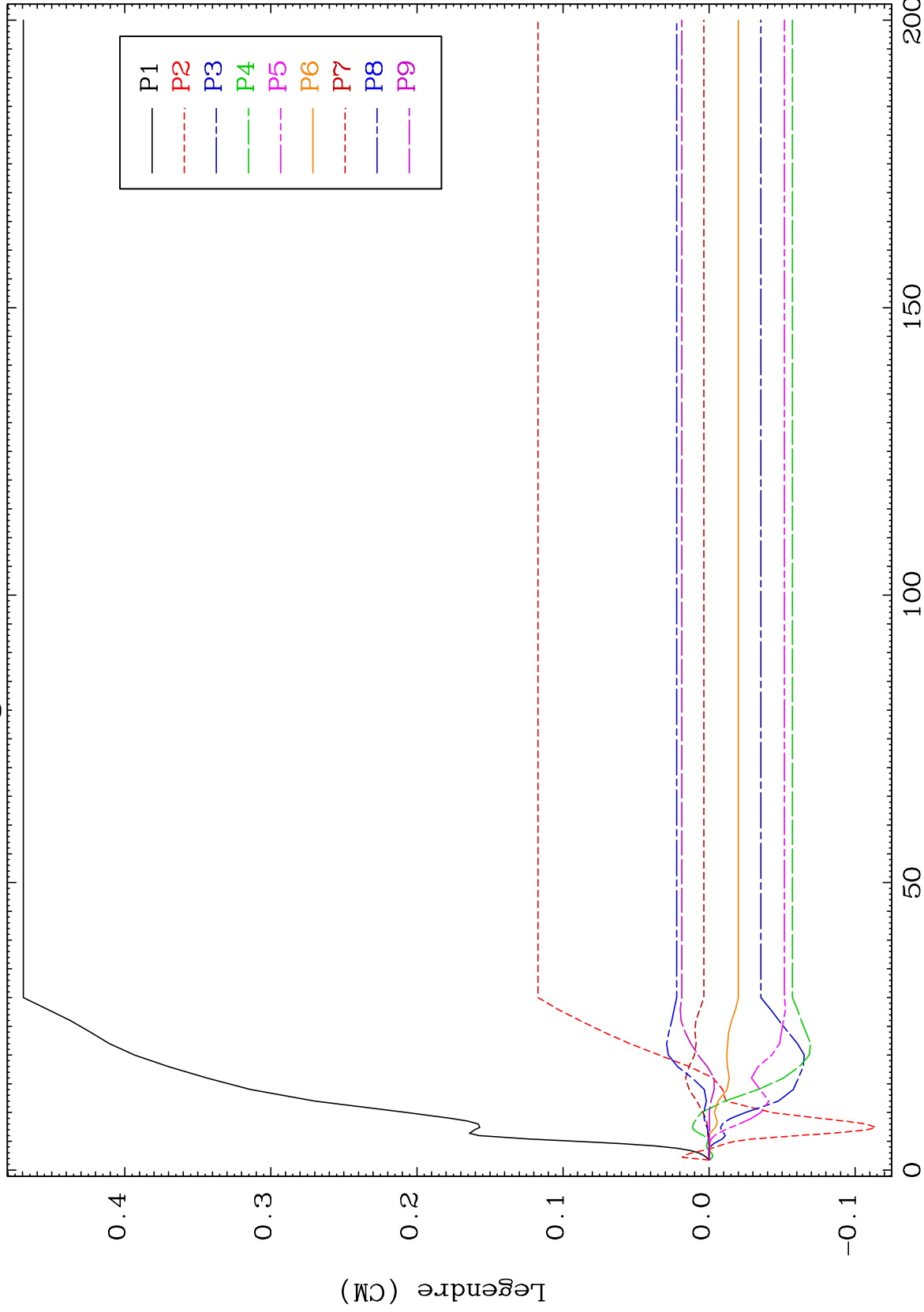
Incident Energy (MeV)

90

MAT 8101

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

81-T1-195



91

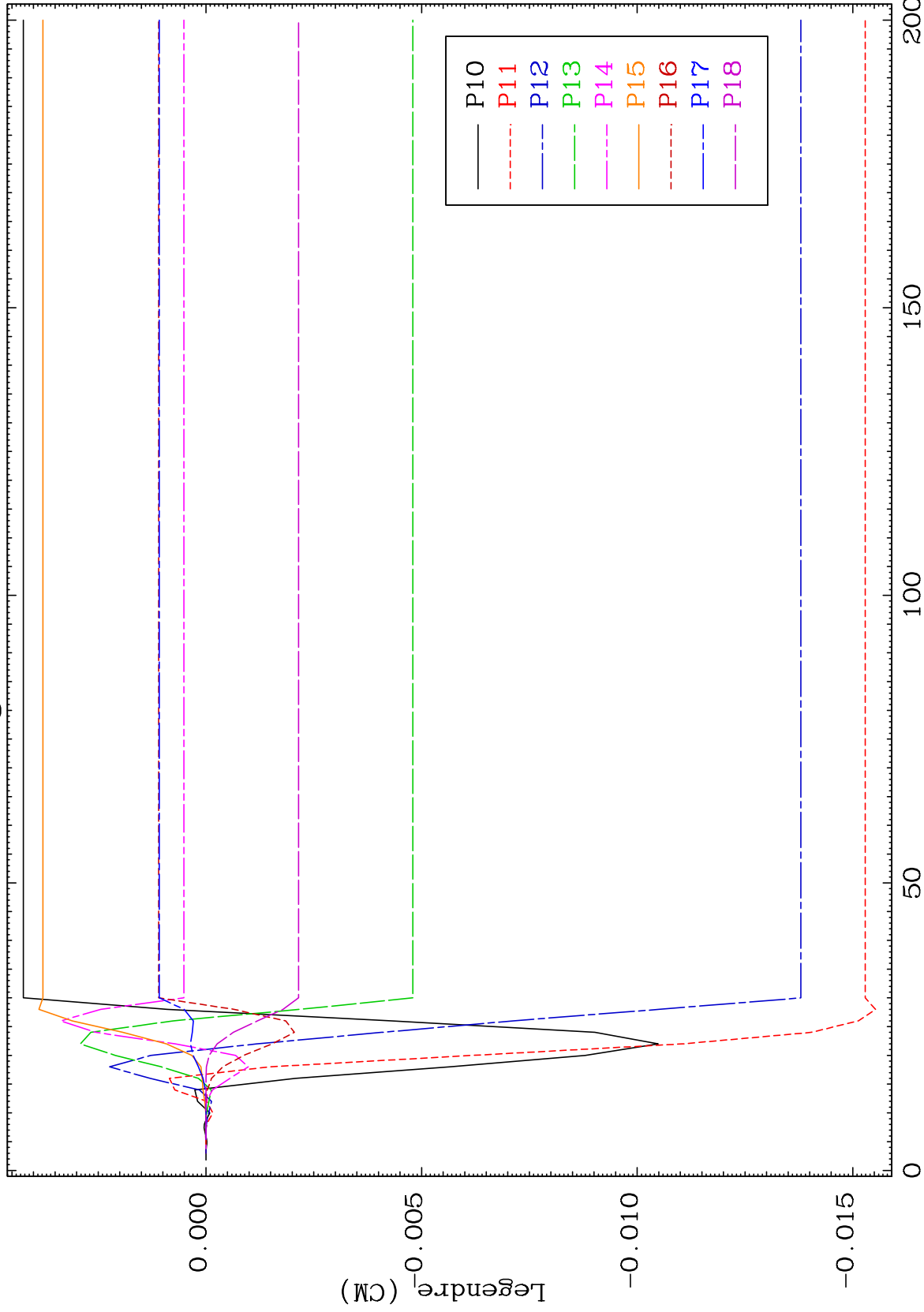
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



92

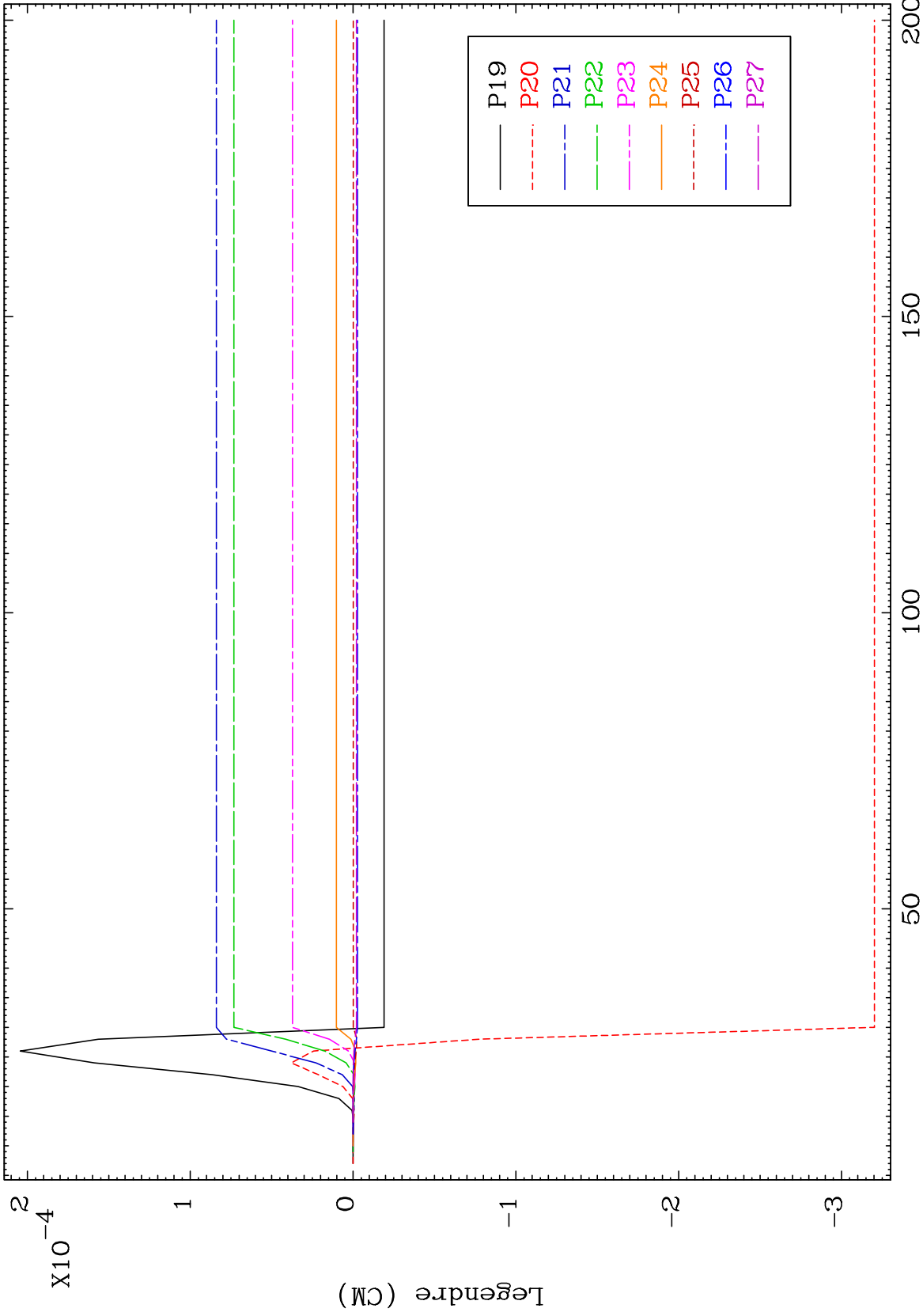
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195

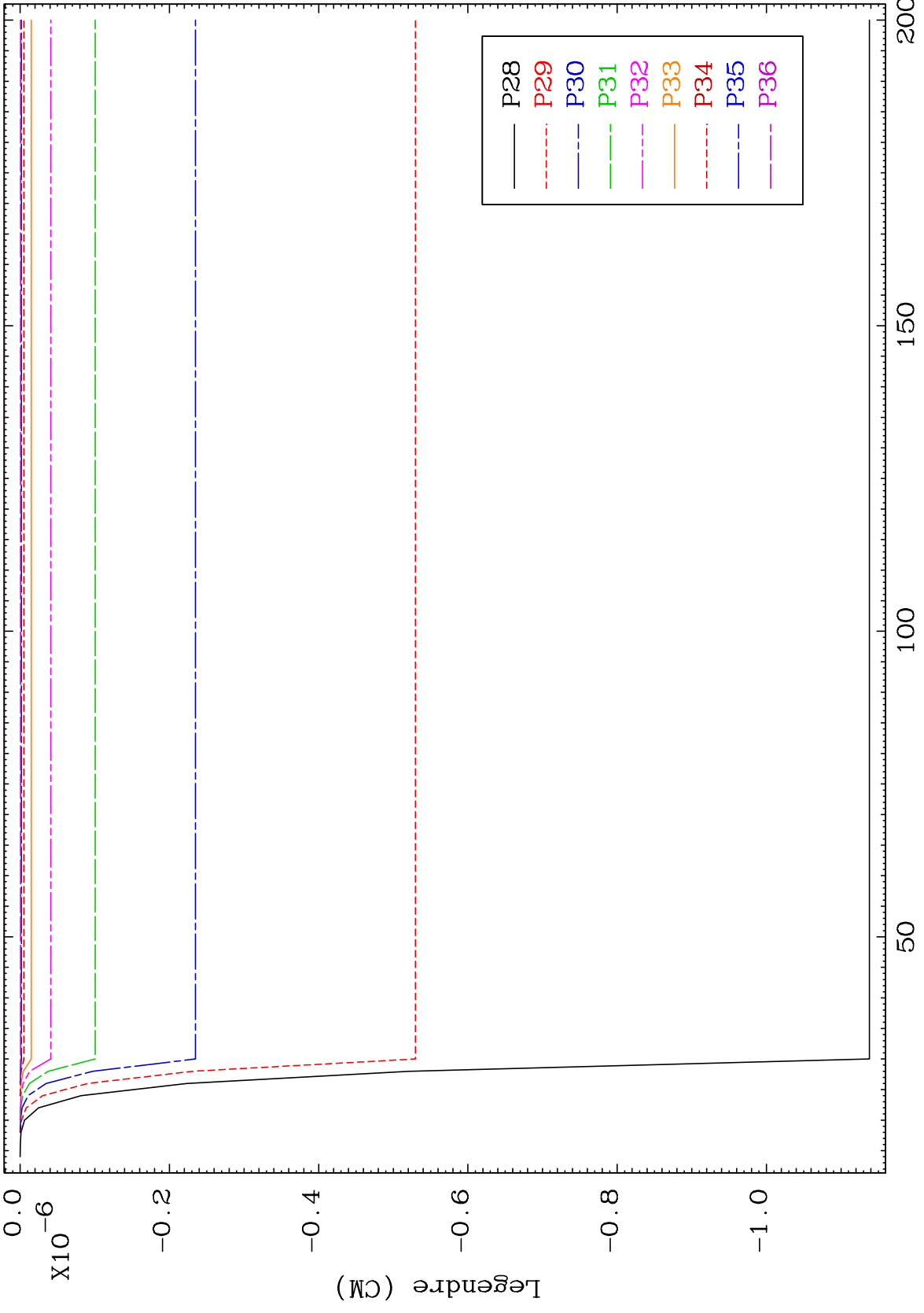


93

Incident Energy (MeV)

81-T1-195

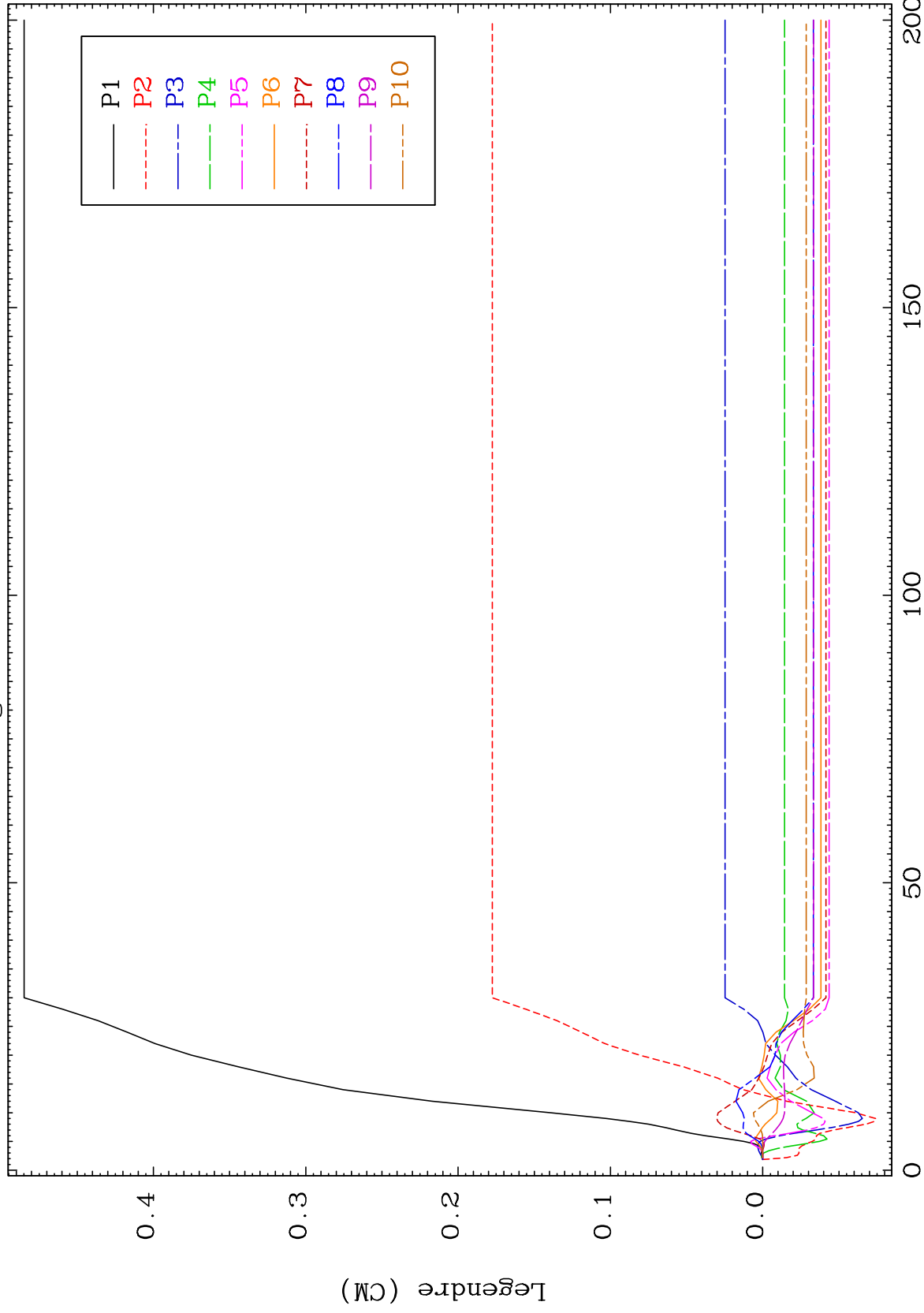
MAT 8101 MT= 71 (n,n') Level Legendre Coefficients 81-T1-195



MAT 8101

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

81-T1-195



95

Incident Energy (MeV)

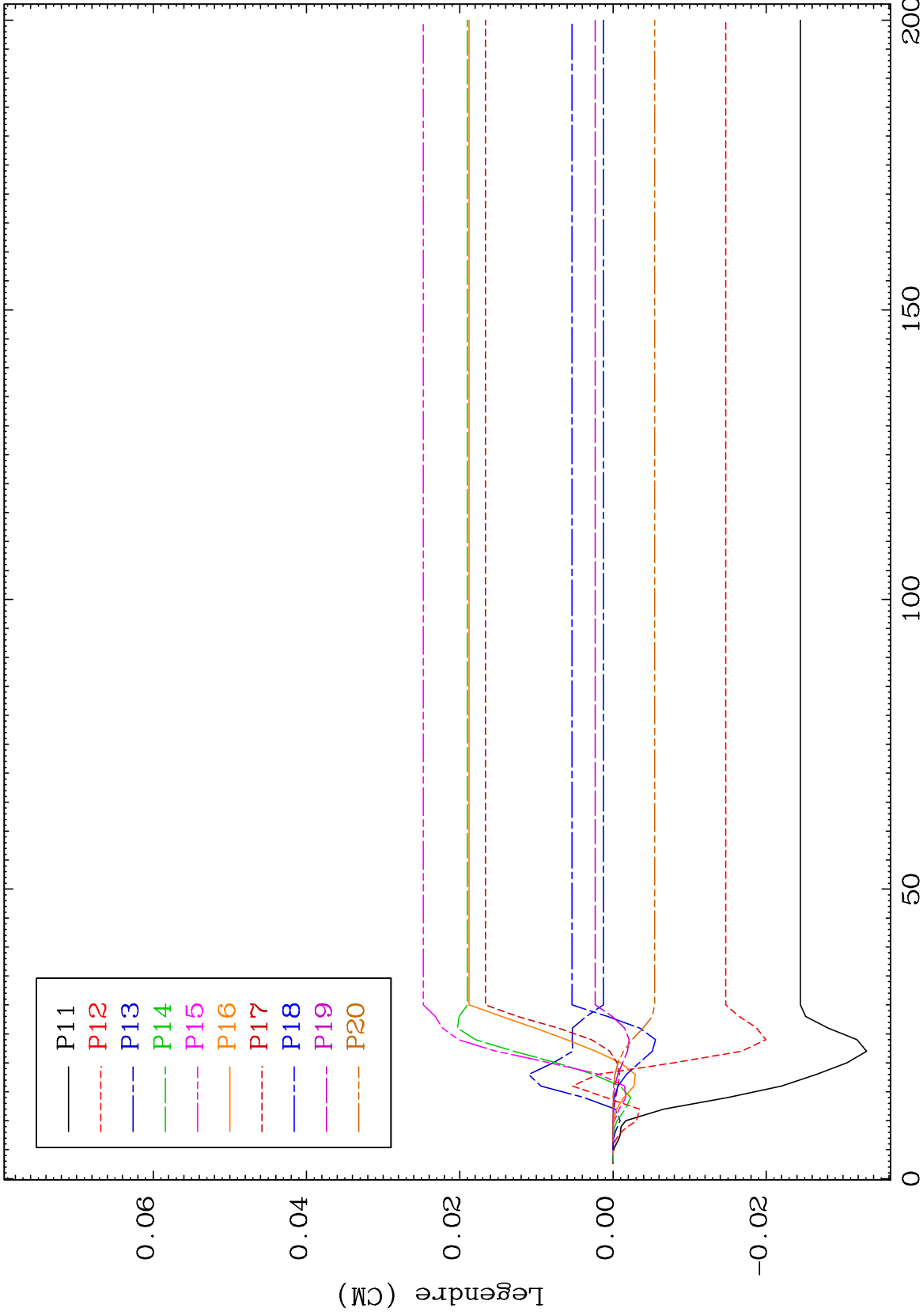
81-T1-195



MAT 8101

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

81-T1-195



96

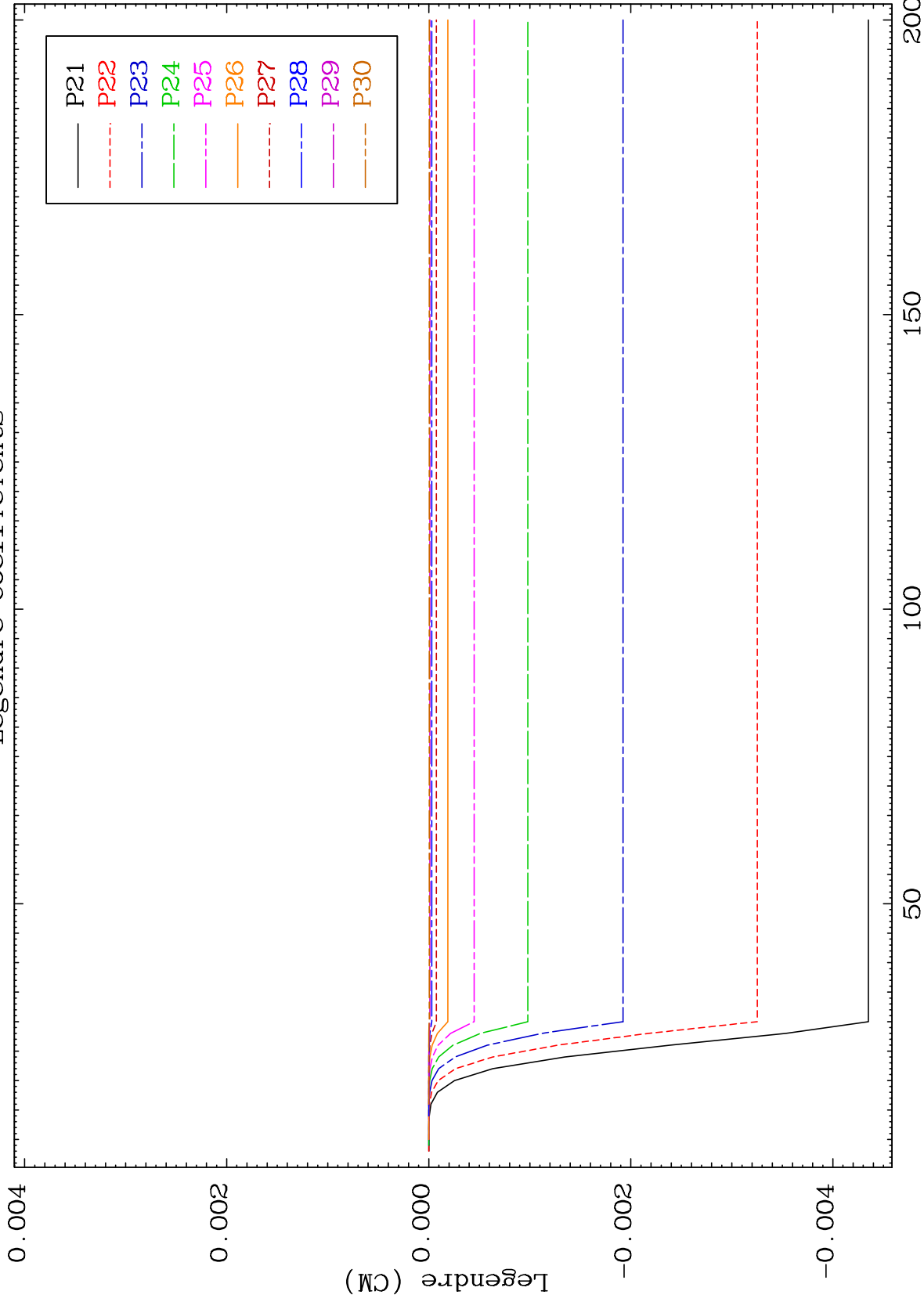
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195

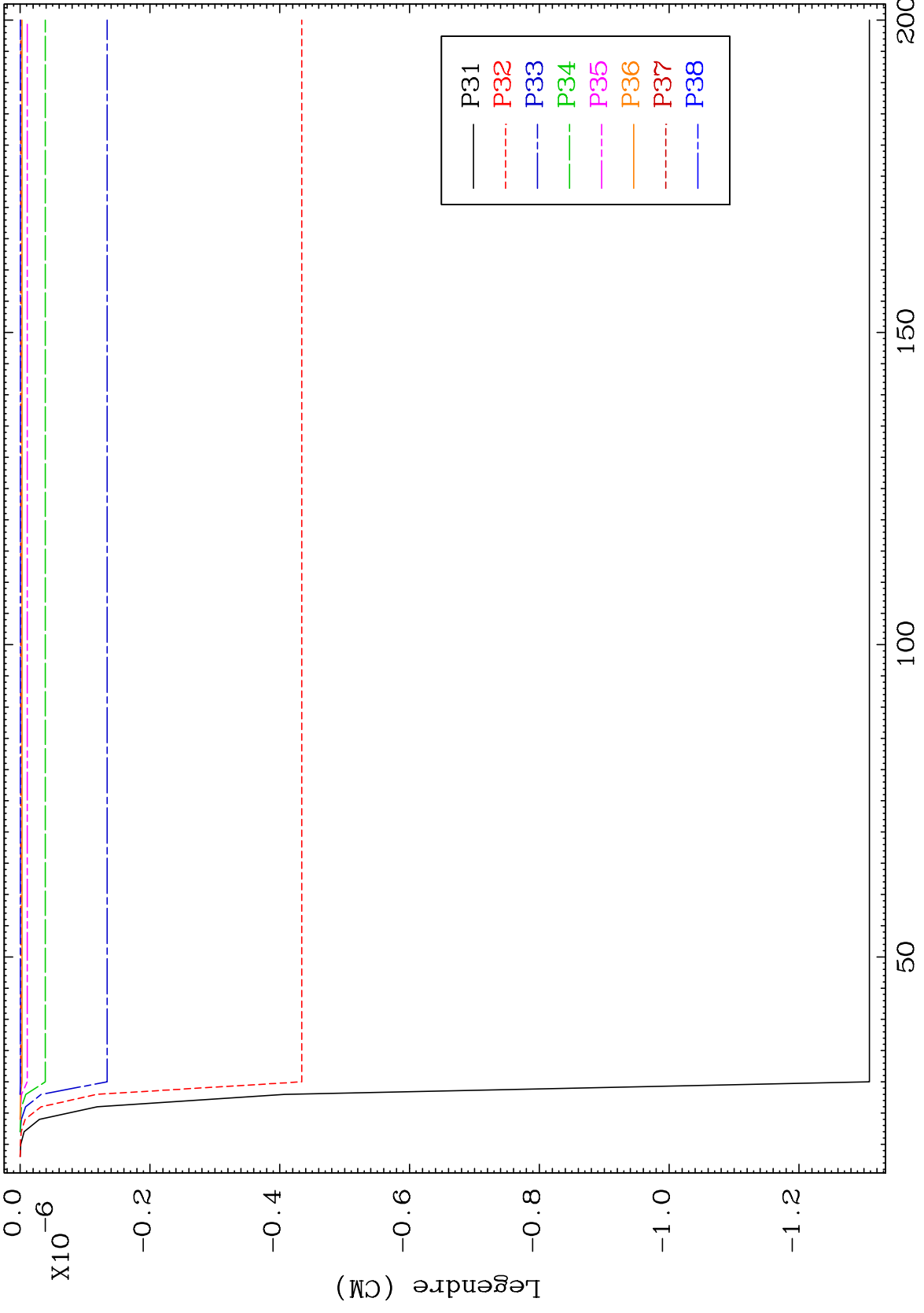


97

Incident Energy (MeV)

81-T1-195

MAT 8101 MT= 72 (n,n') Level Legendre Coefficients 81-T1-195

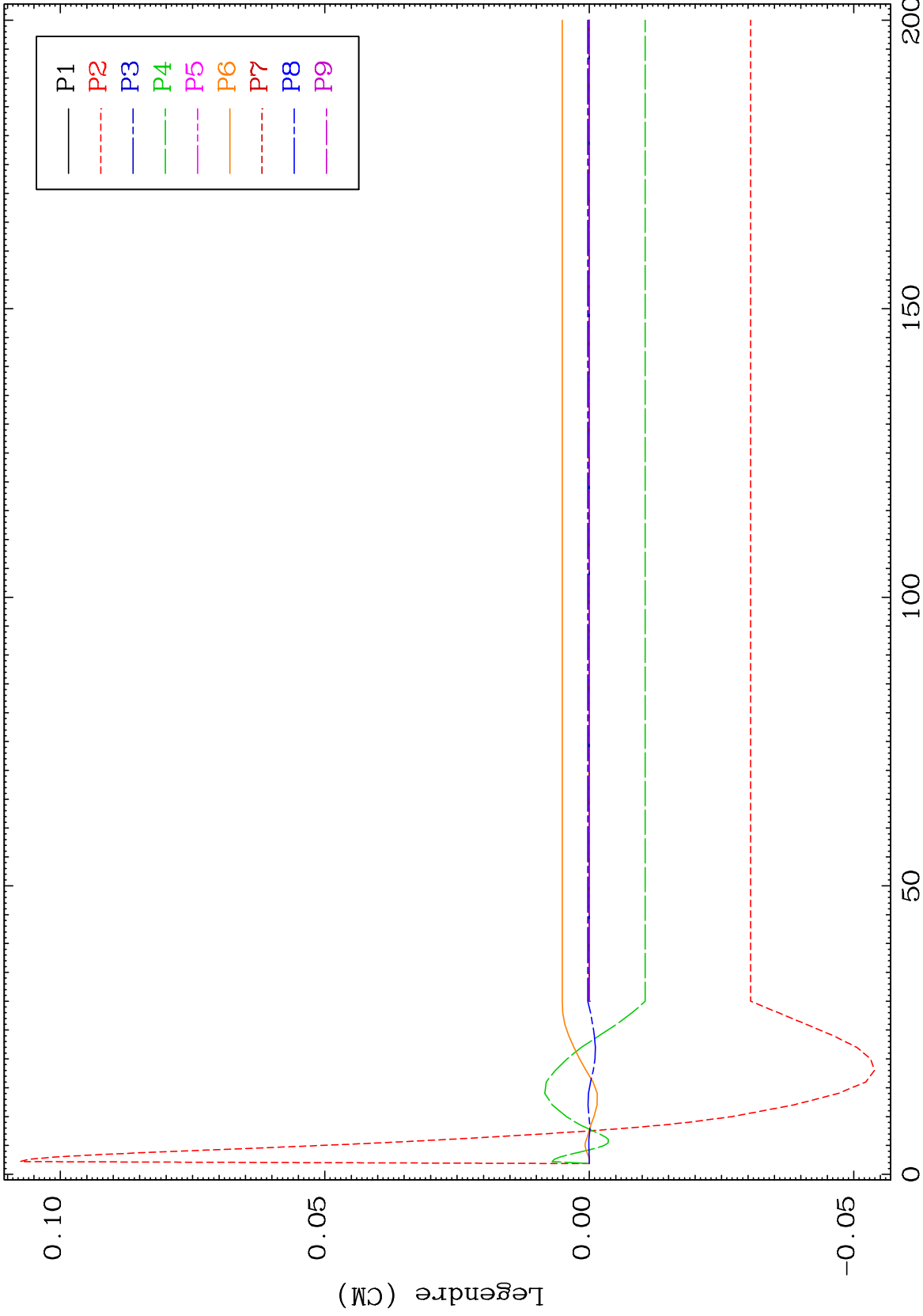


98 Incident Energy (MeV) 81-T1-195

MAT 8101

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

81-T1-195



99

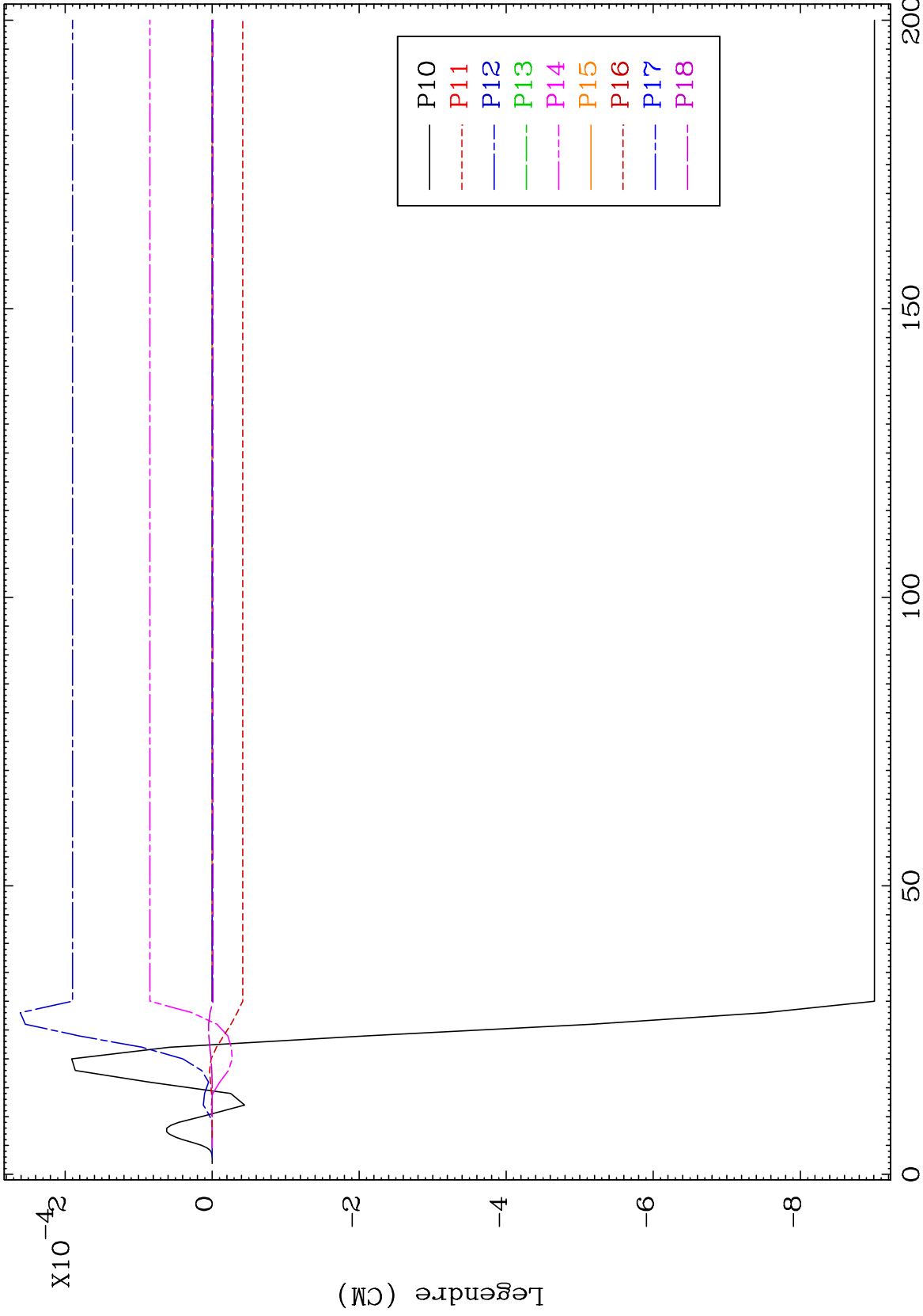
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



100

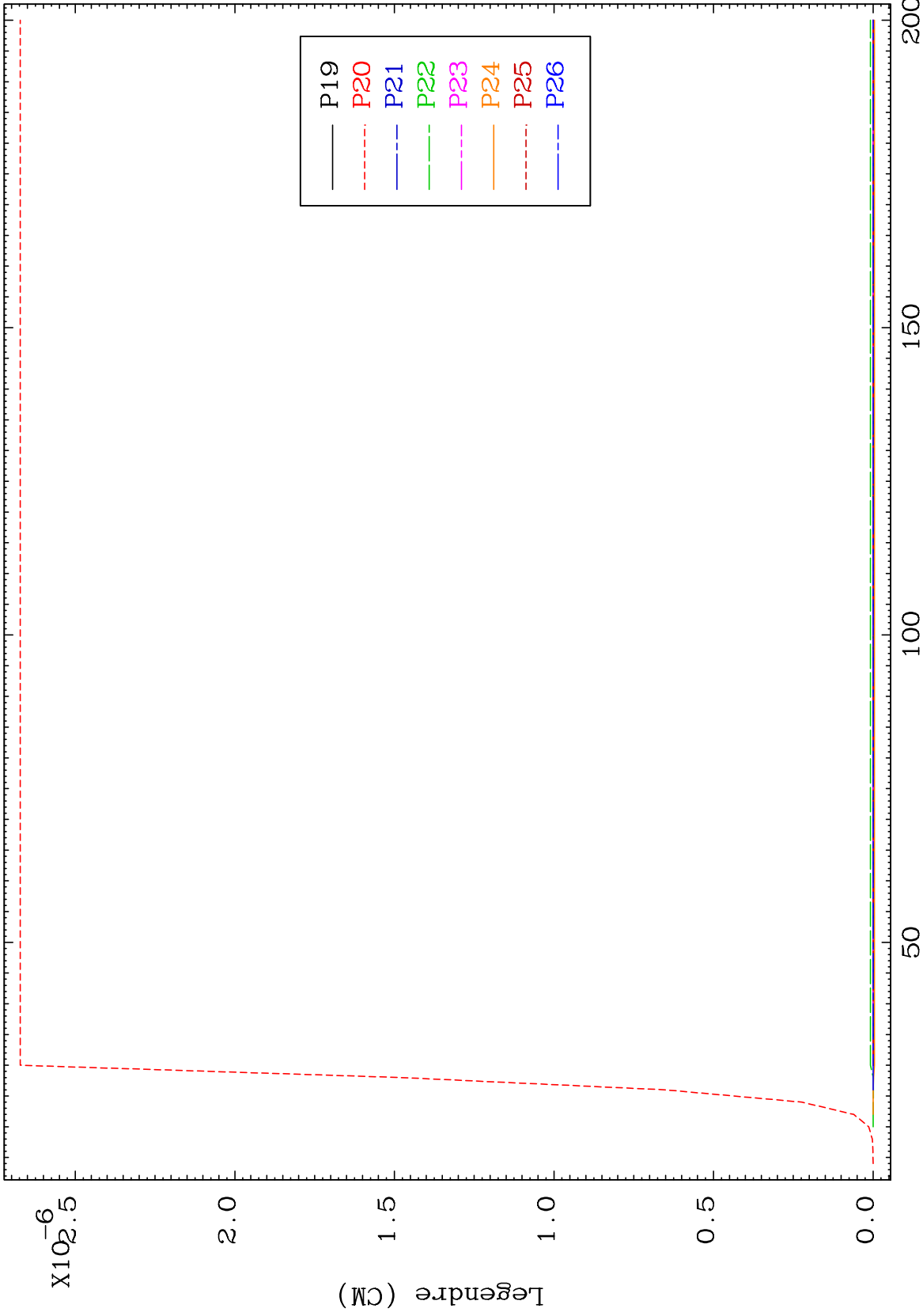
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



101

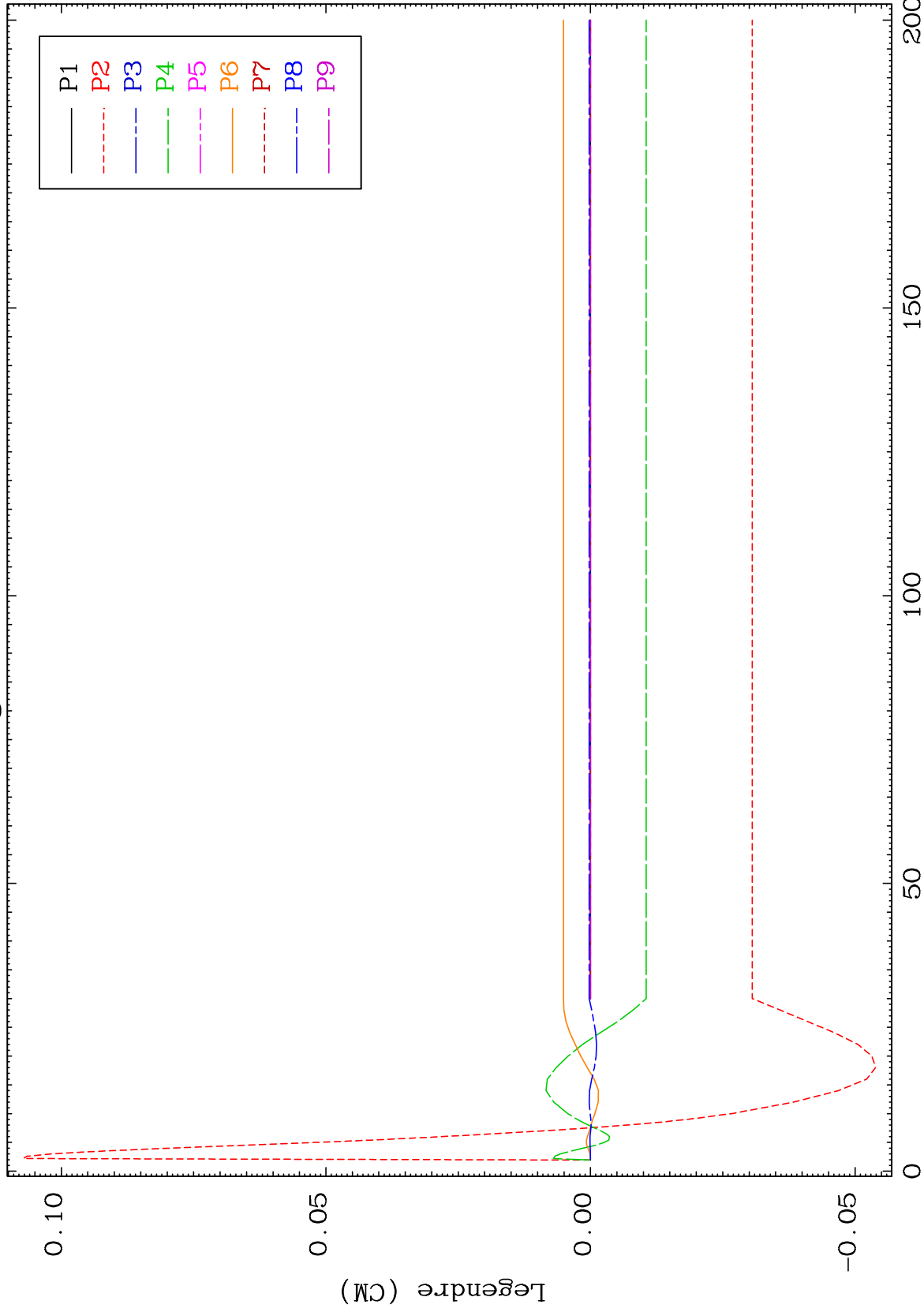
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



102

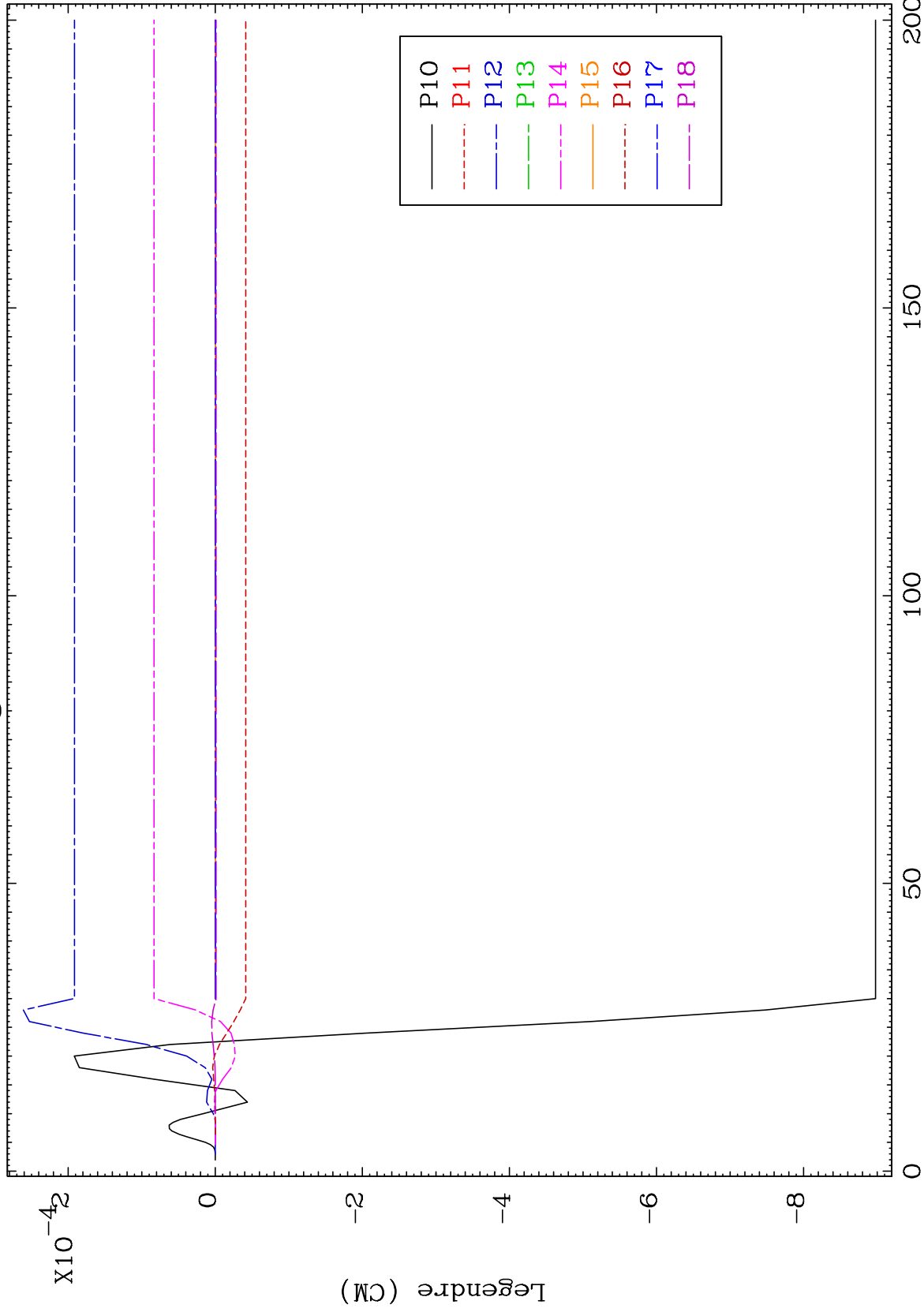
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



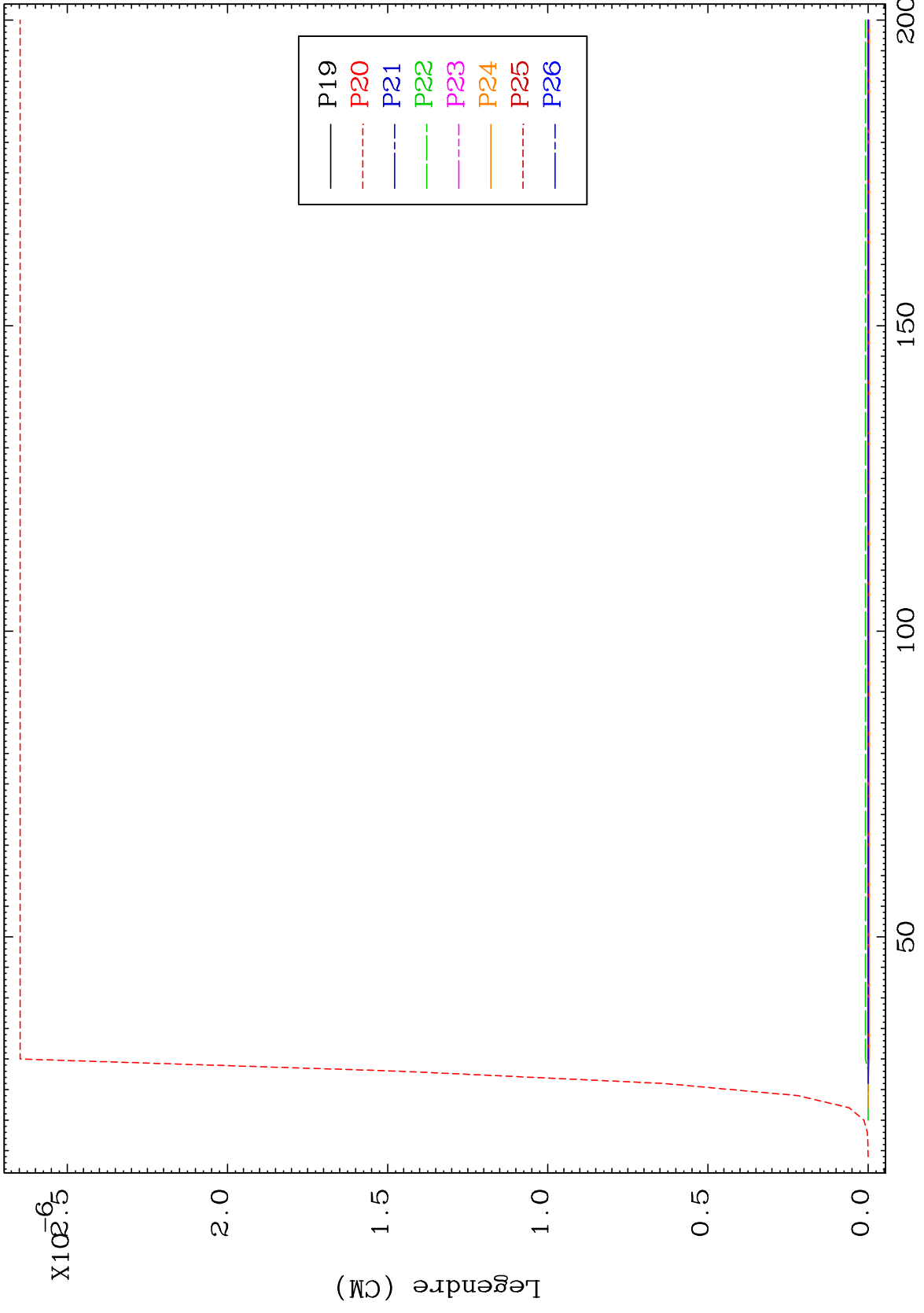
103

Incident Energy (MeV)

81-T1-195



MAT 8101 MT= 74 (n,n') Level Legendre Coefficients 81-T1-195

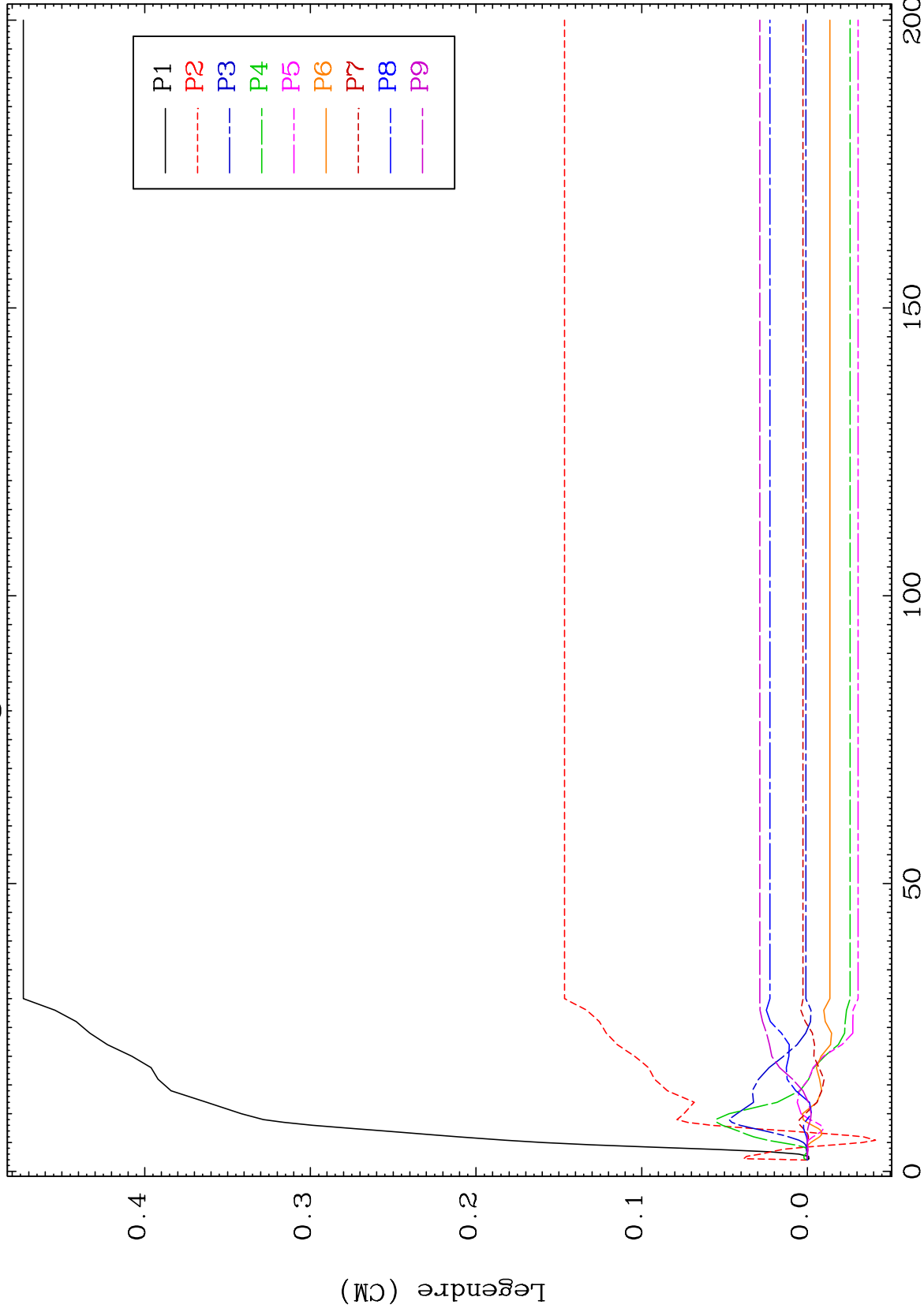


104 Incident Energy (MeV) 81-T1-195

MAT 8101

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

81-T1-195



81-T1-195

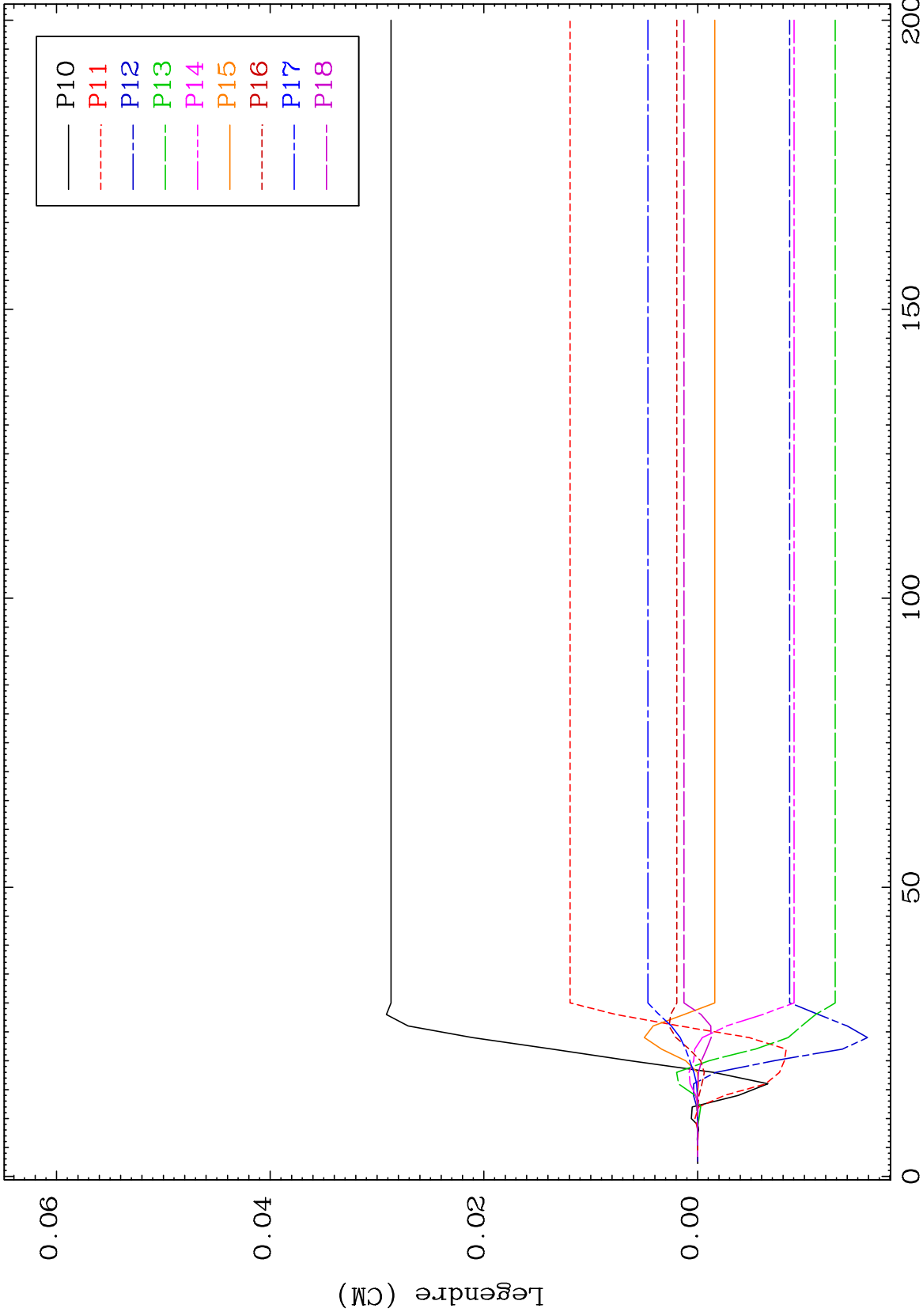
Incident Energy (MeV)

105

MAT 8101

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

81-T1-195



106

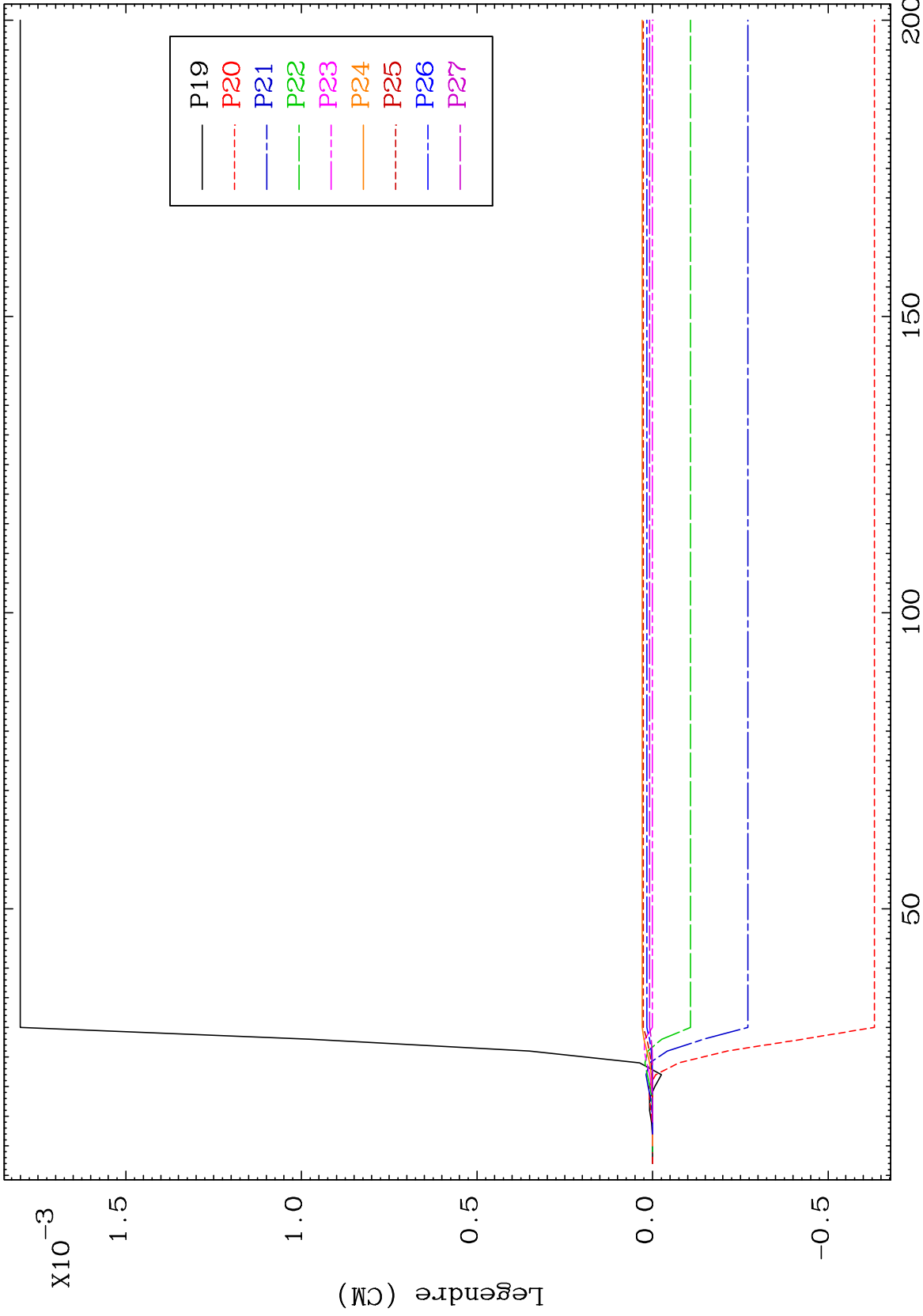
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



107

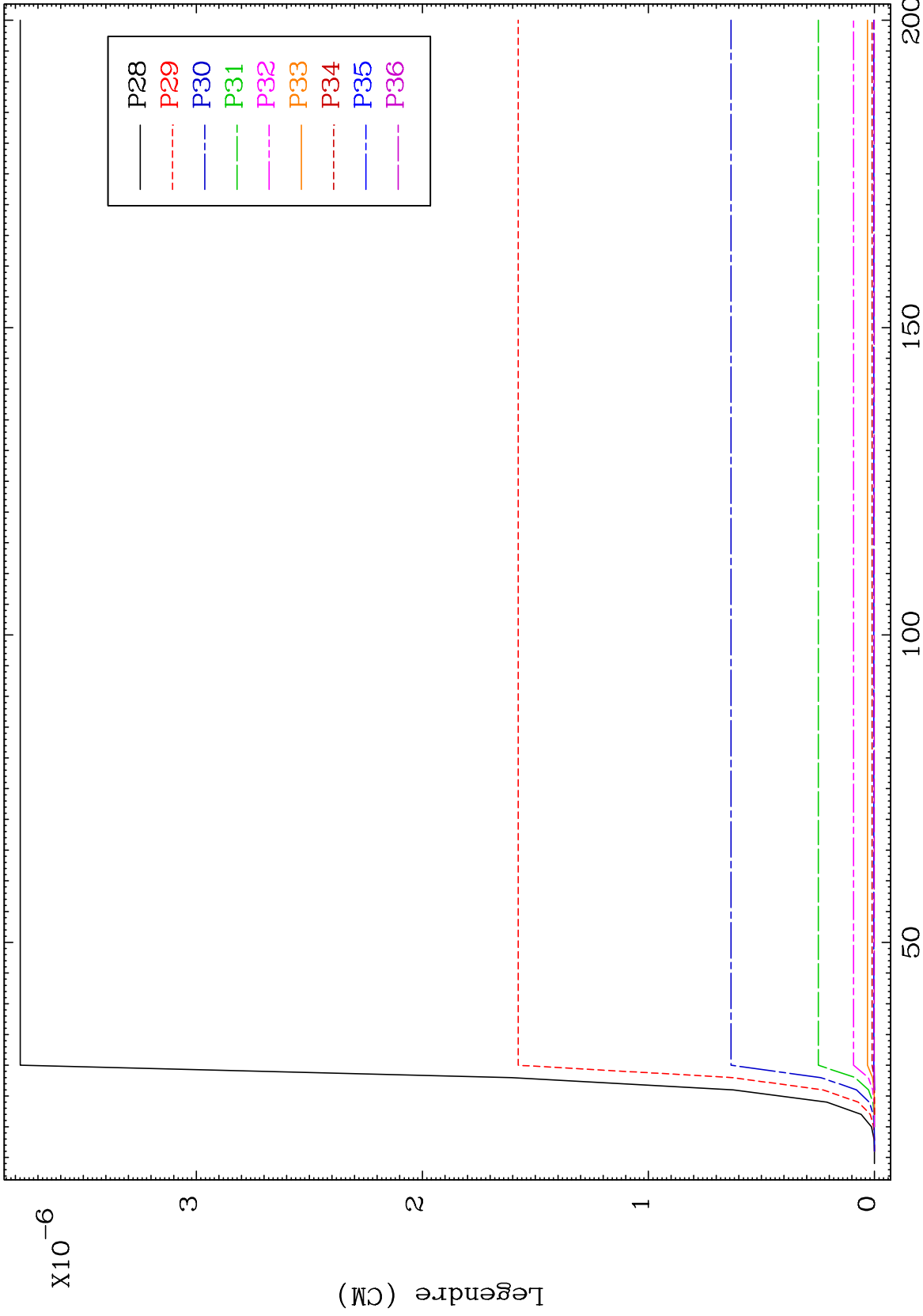
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



108

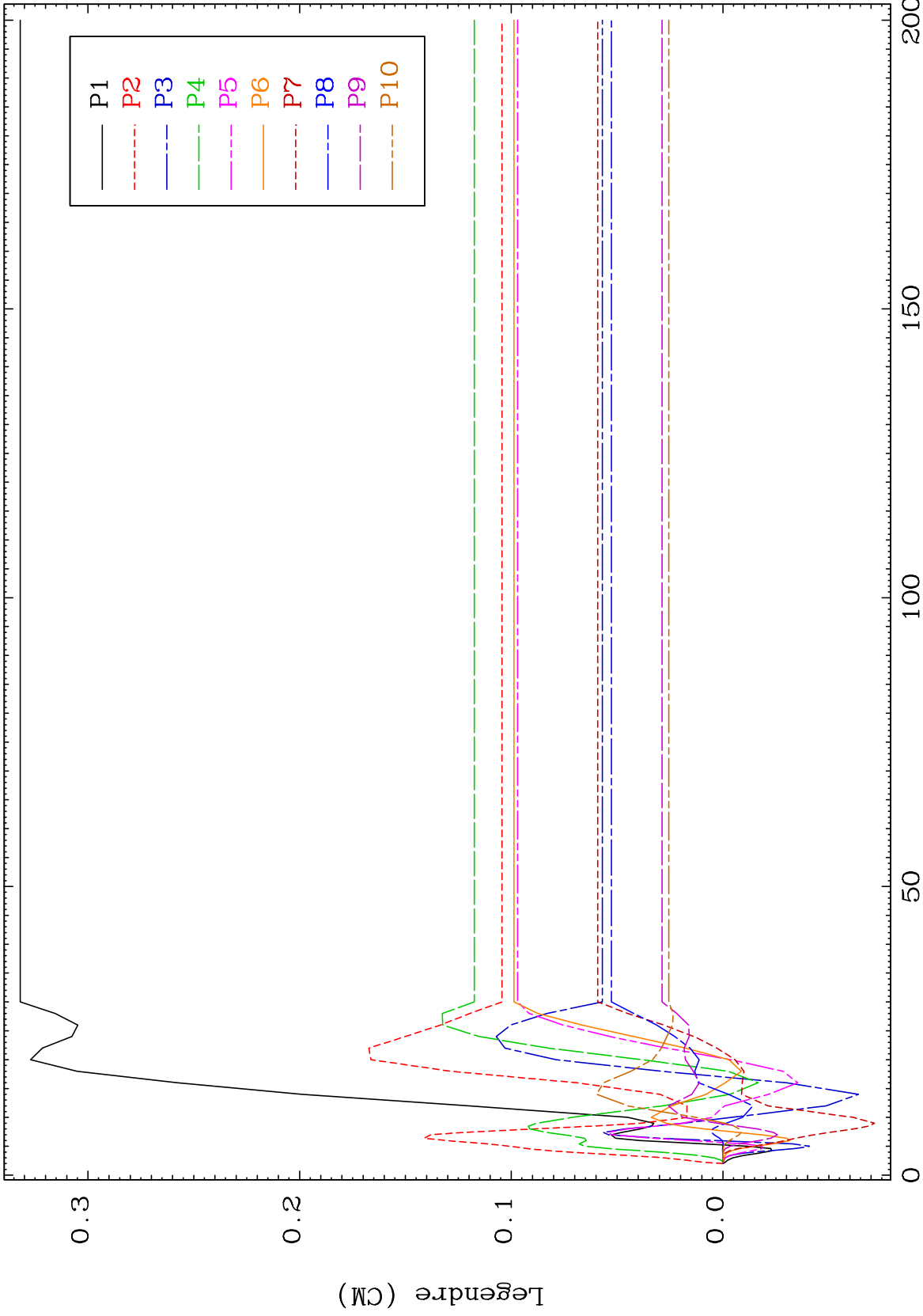
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



109

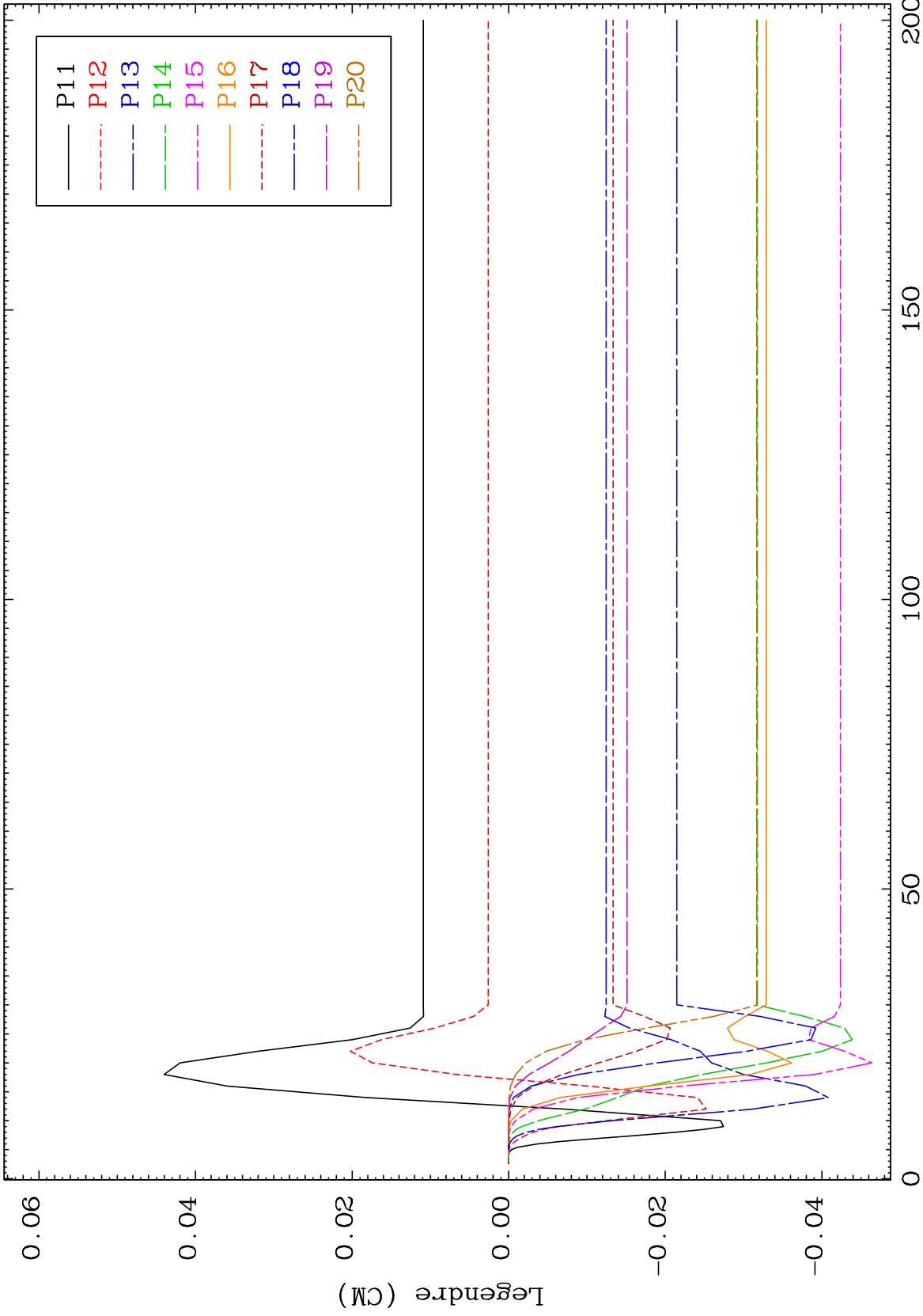
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



110

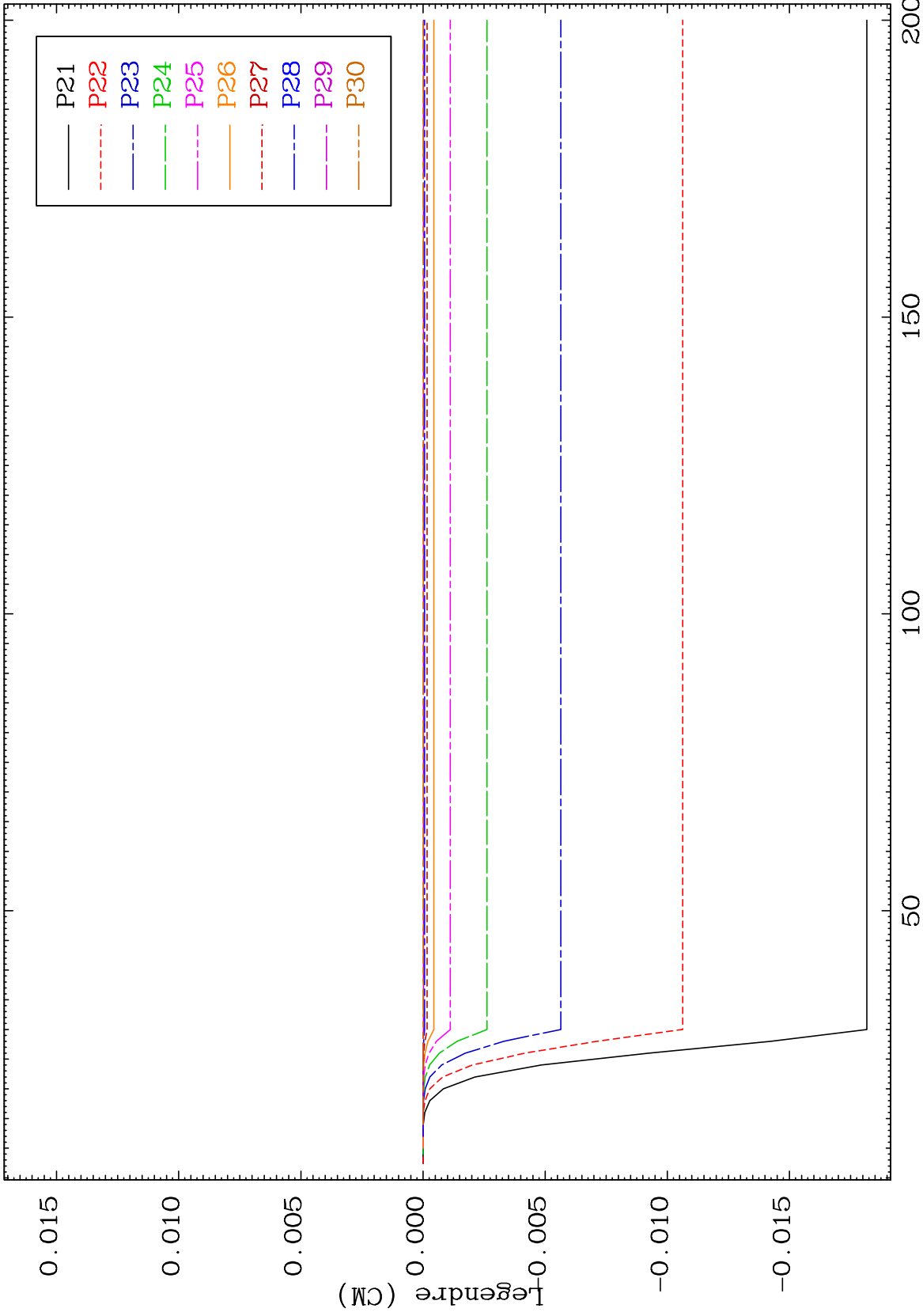
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



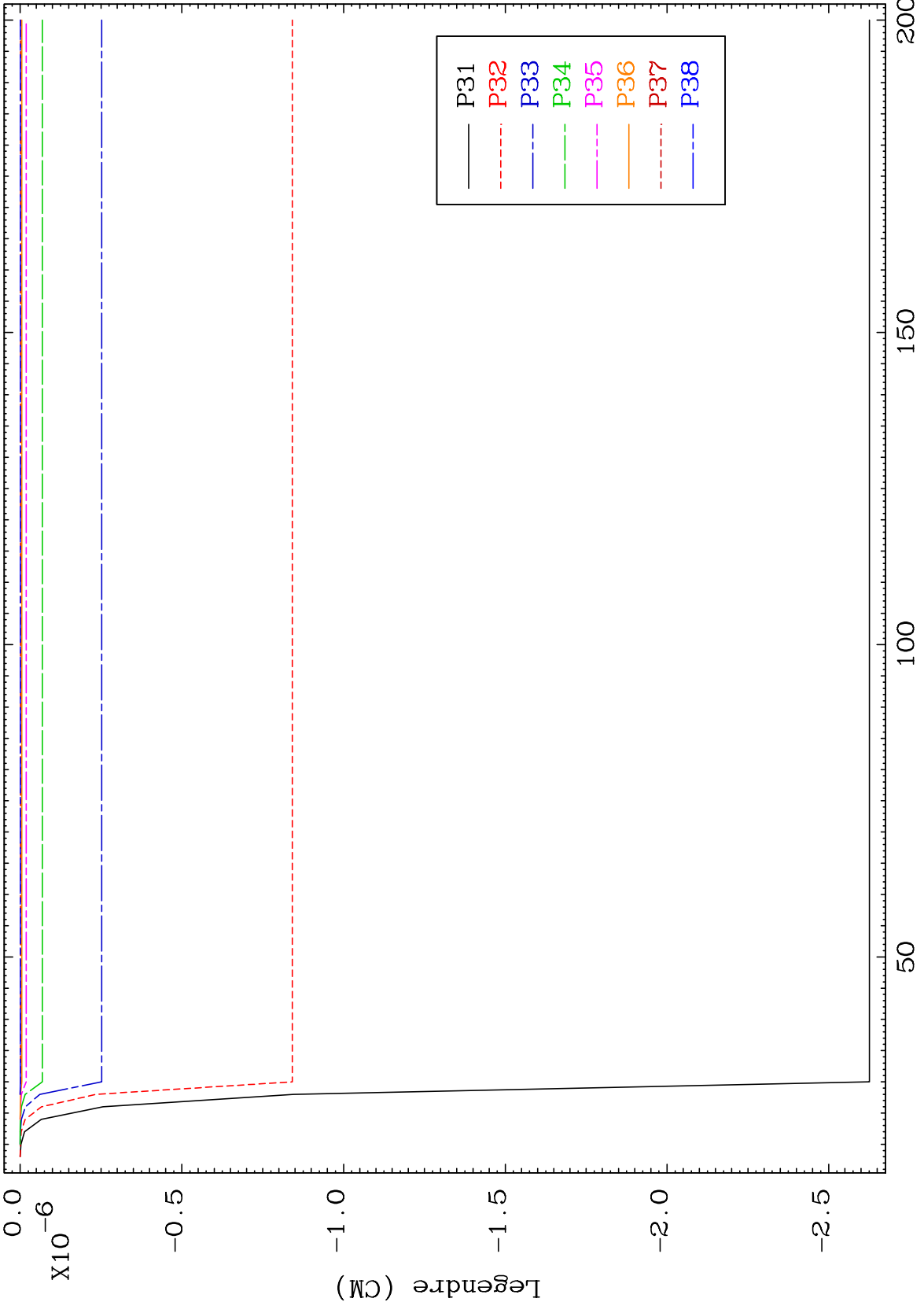
111

Incident Energy (MeV)

81-T1-195



MAT 8101 MT= 76 (n,n') Level Legendre Coefficients 81-T1-195

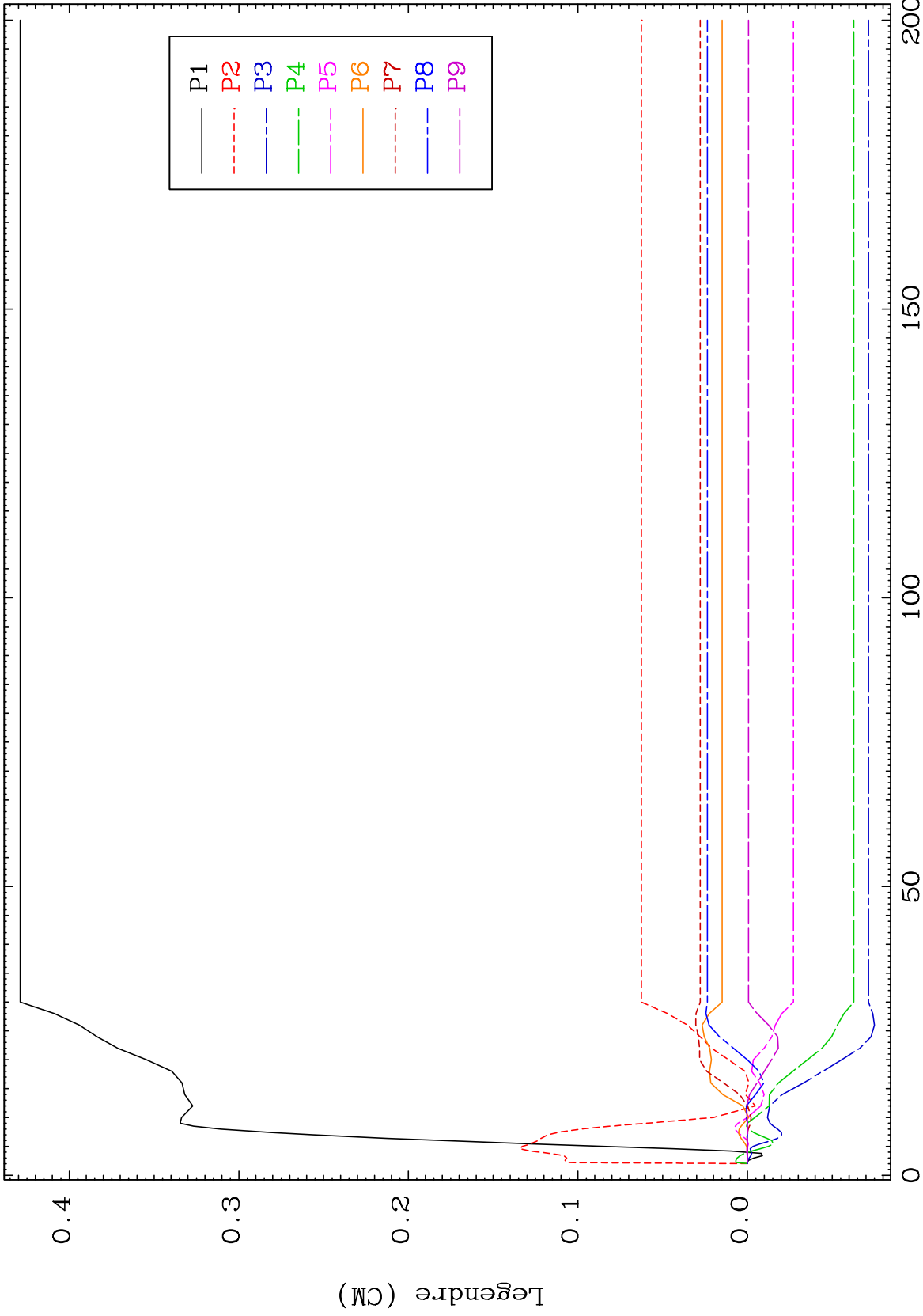


112 81-T1-195

MAT 8101

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

81-T1-195



113

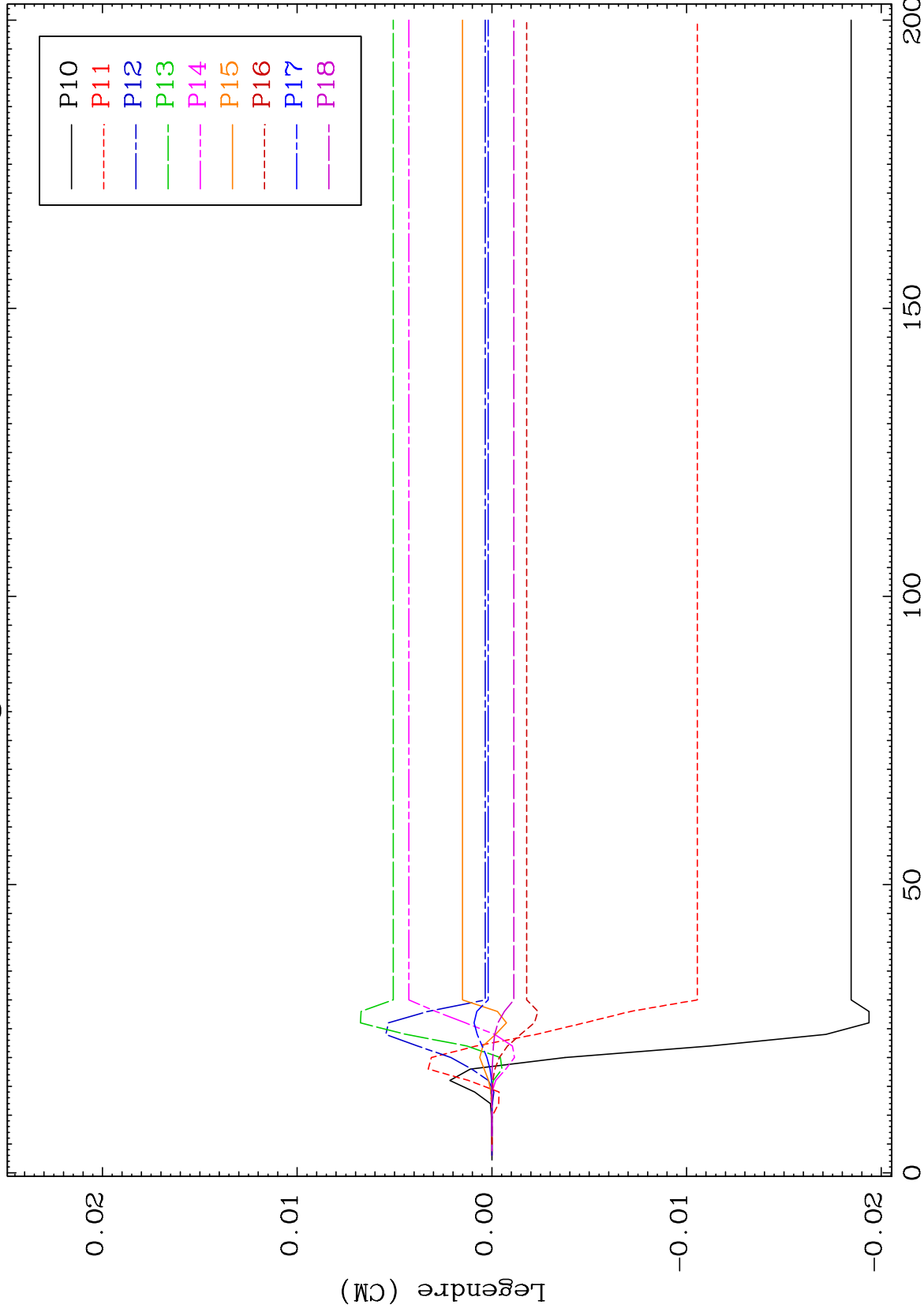
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



114

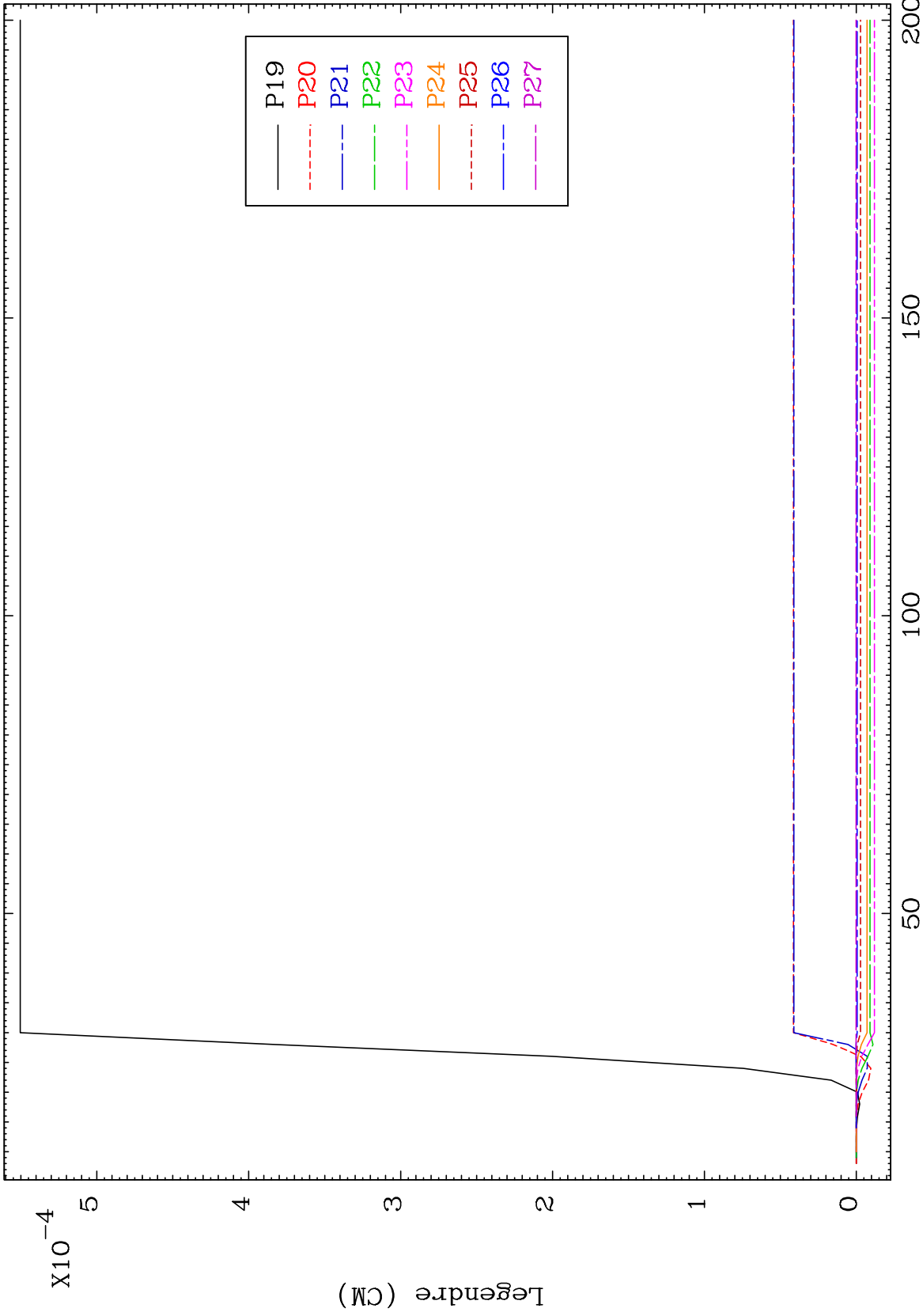
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



115

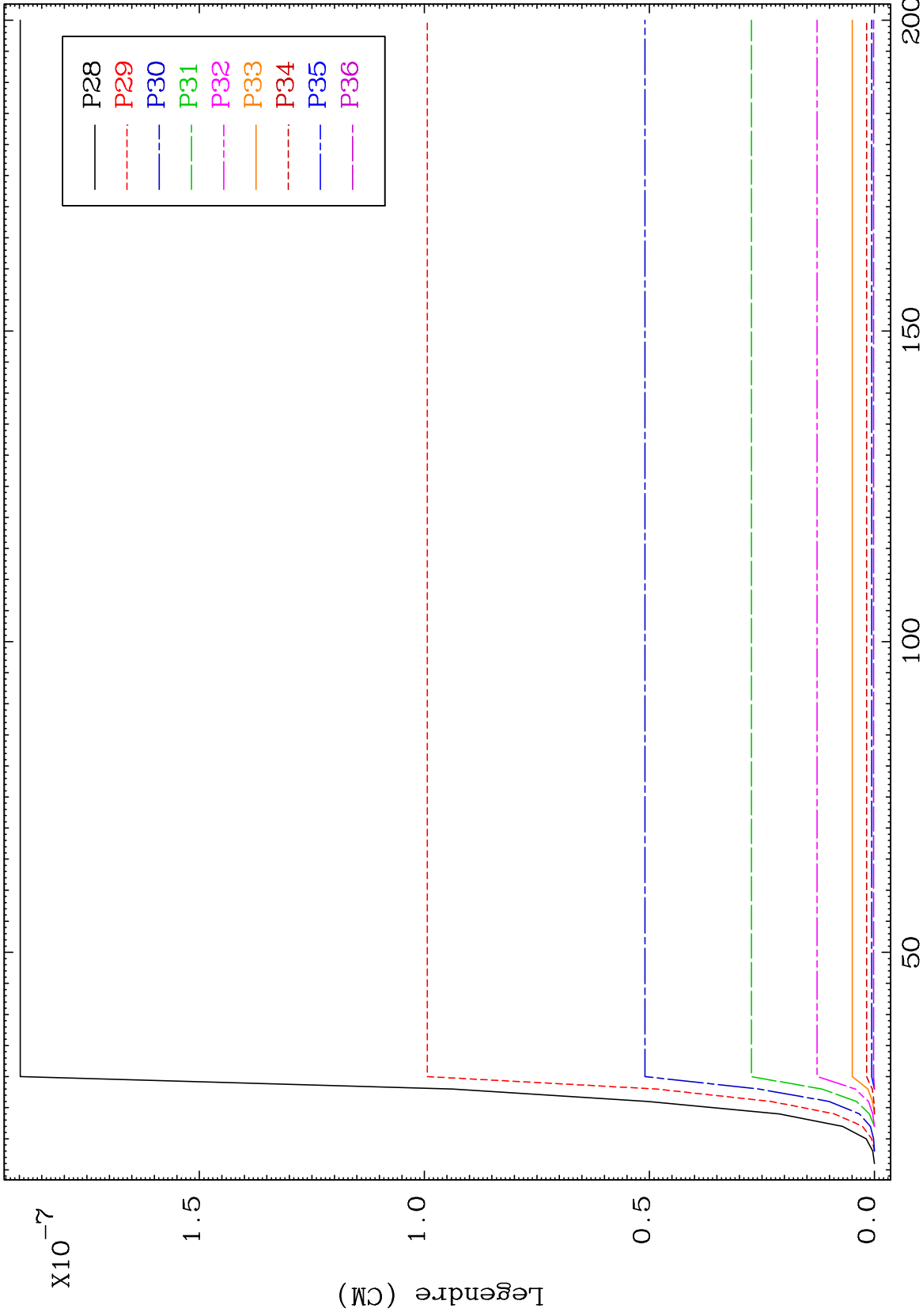
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



116

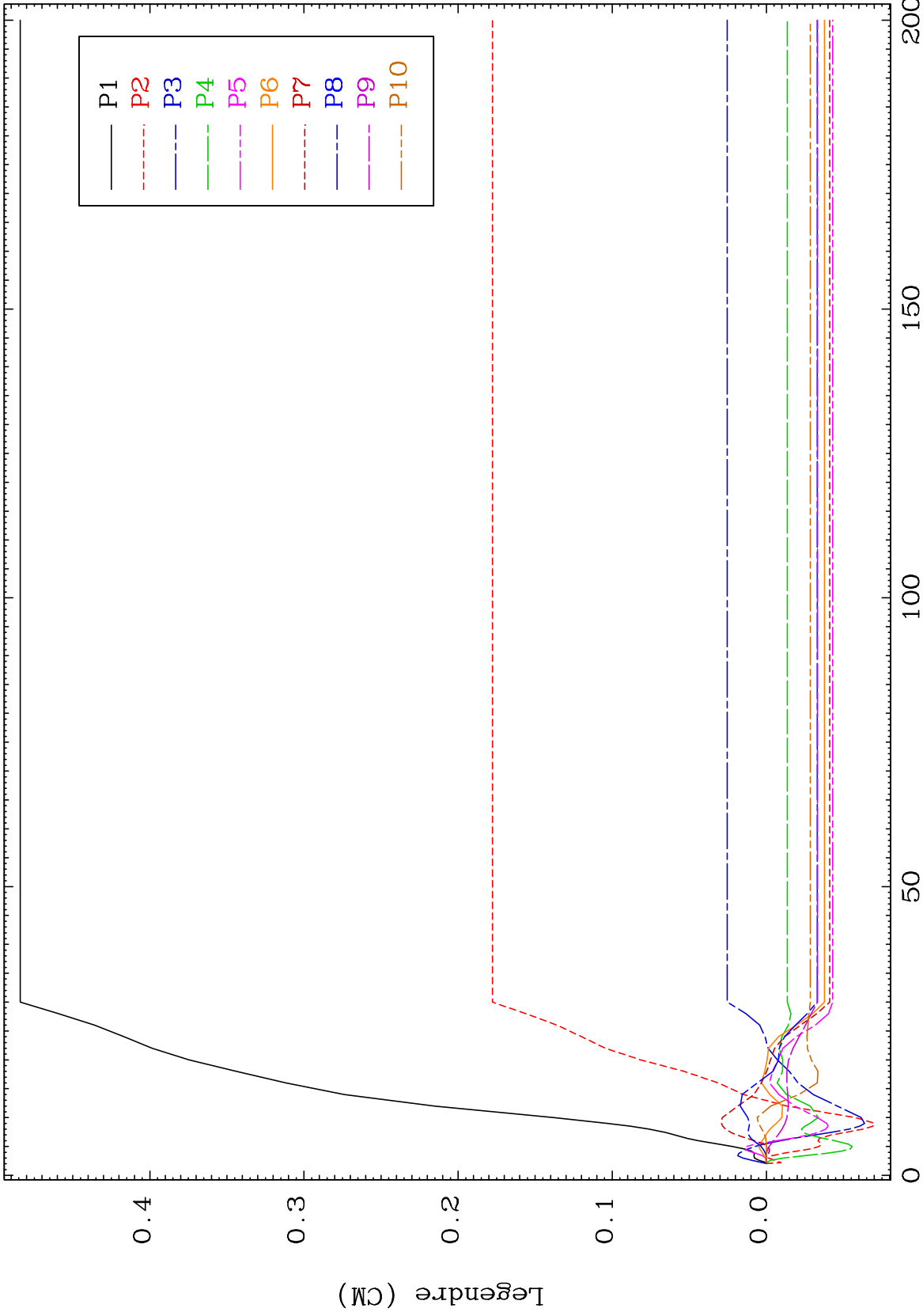
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195



117

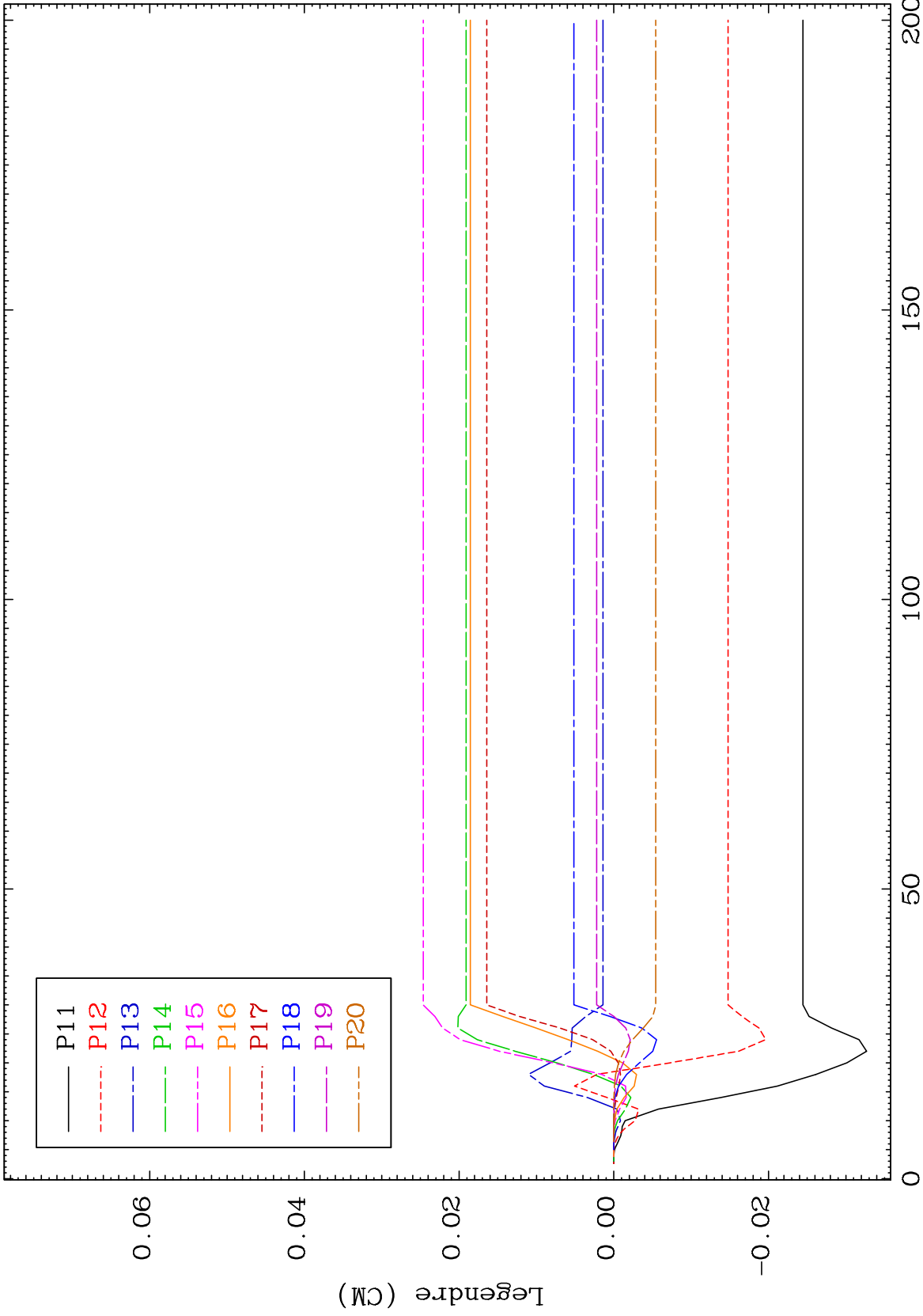
Incident Energy (MeV)

81-T1-195

MAT 8101

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

81-T1-195

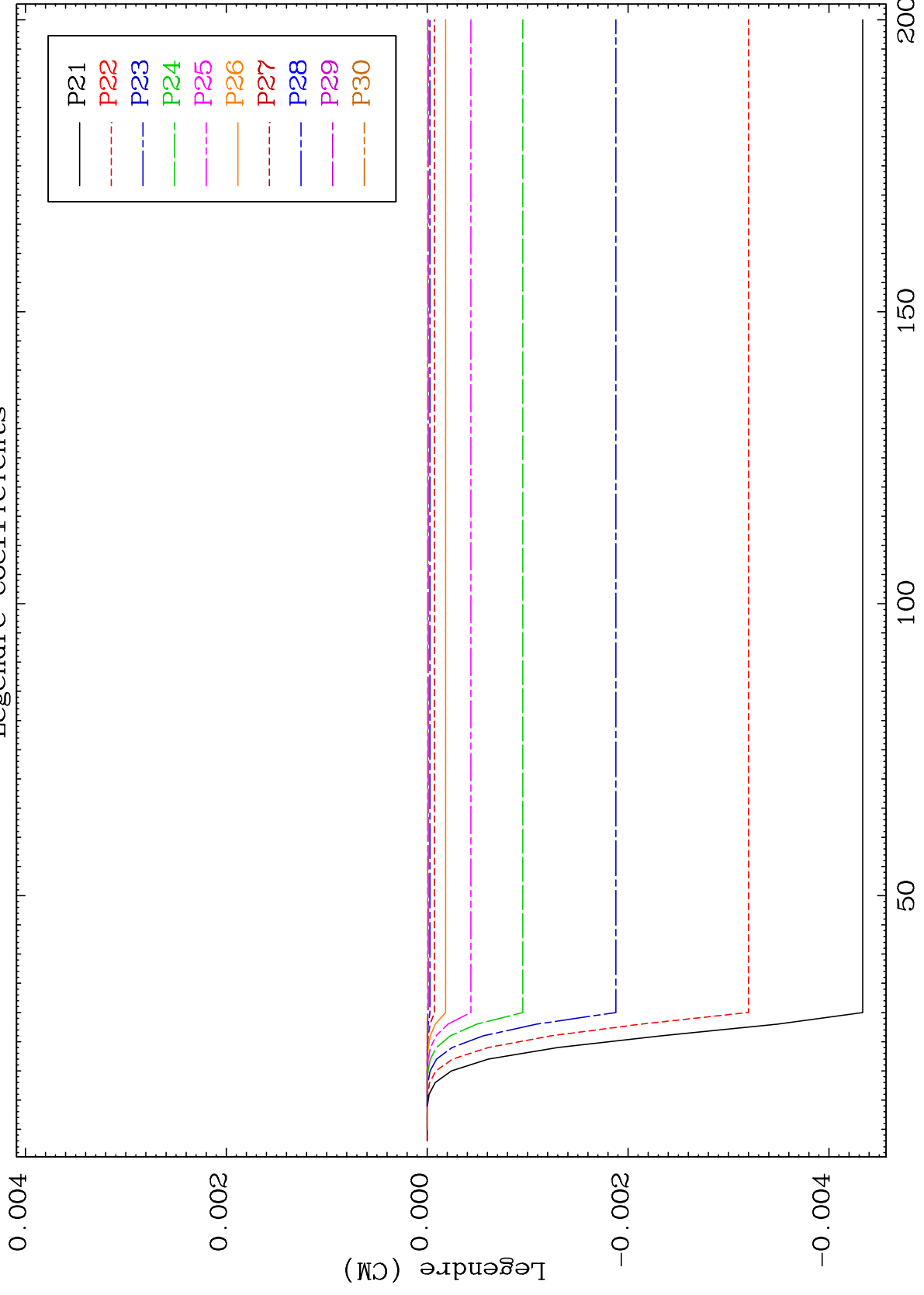


118

Incident Energy (MeV)

81-T1-195

MAT 8101 MT= 78 (n,n') Level Legendre Coefficients 81-T1-195



81-T1-195

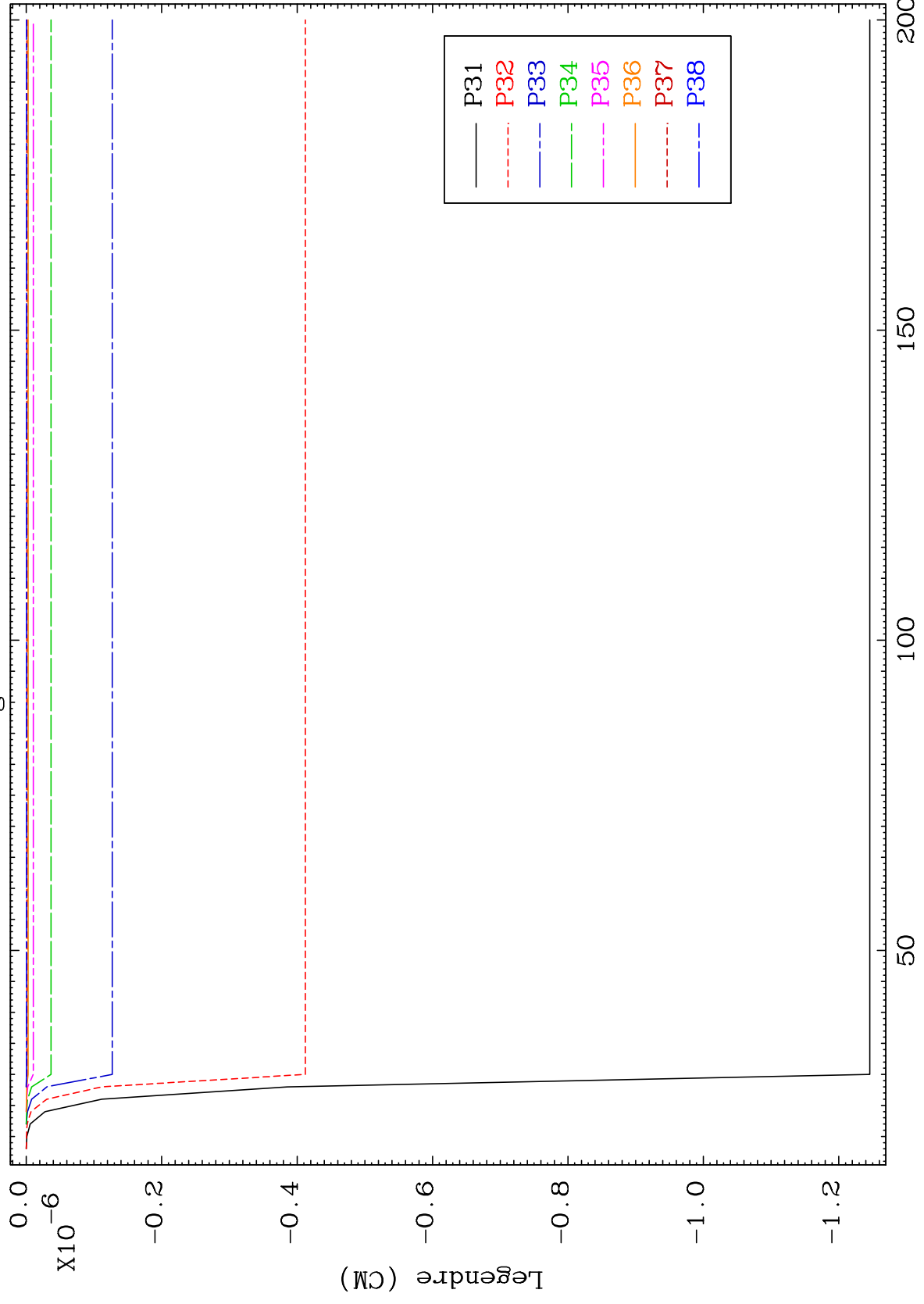
Incident Energy (MeV)



MAT 8101

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

81-T1-195



81-T1-195

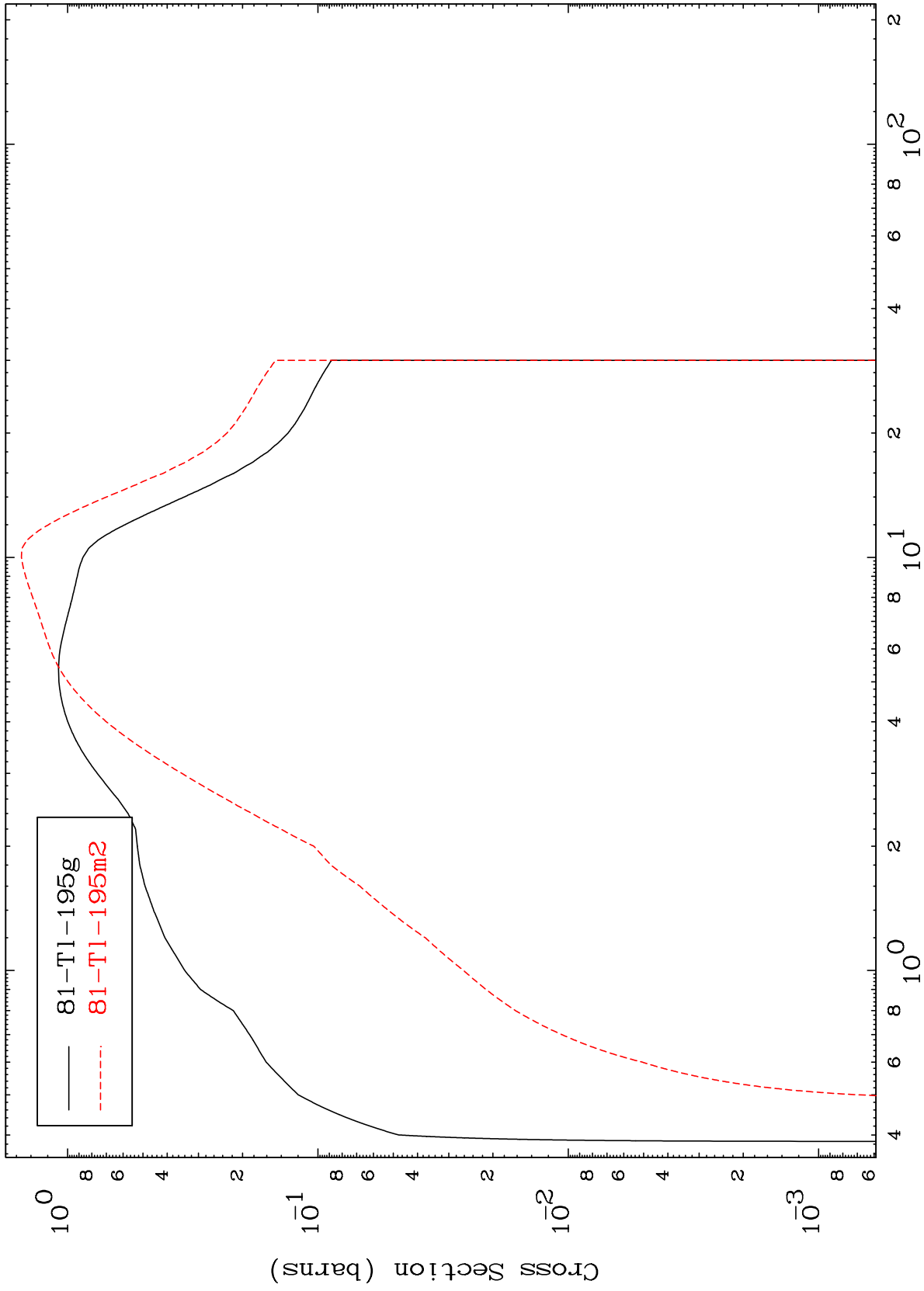
Incident Energy (MeV)

120

MAT 8101

81-Tl-195

Inelastic  
Radionuclide Production Cross Section



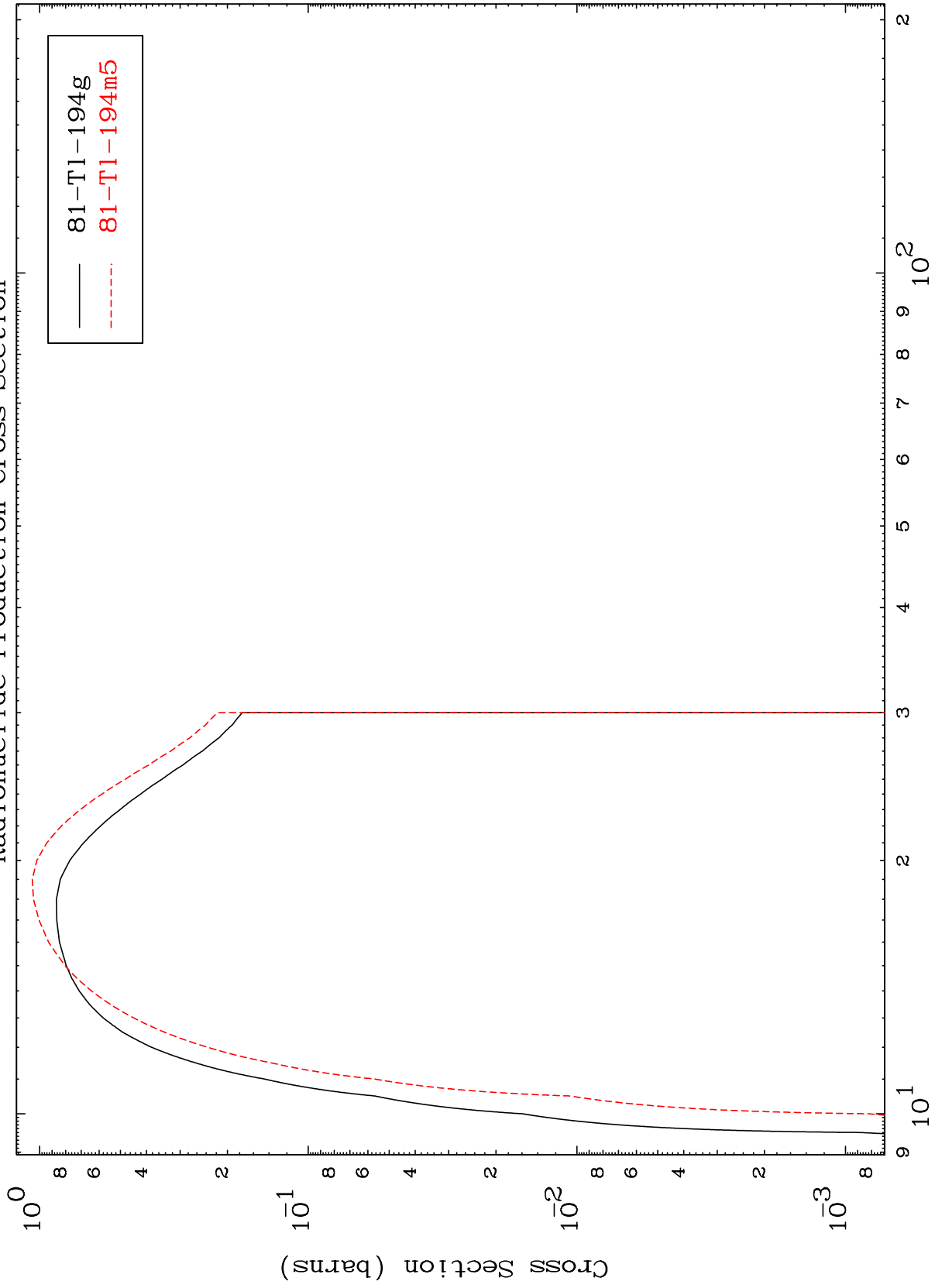
121

81-Tl-195

MAT 8101

81-Tl-195

(n,2n)  
Radionuclide Production Cross Section



122

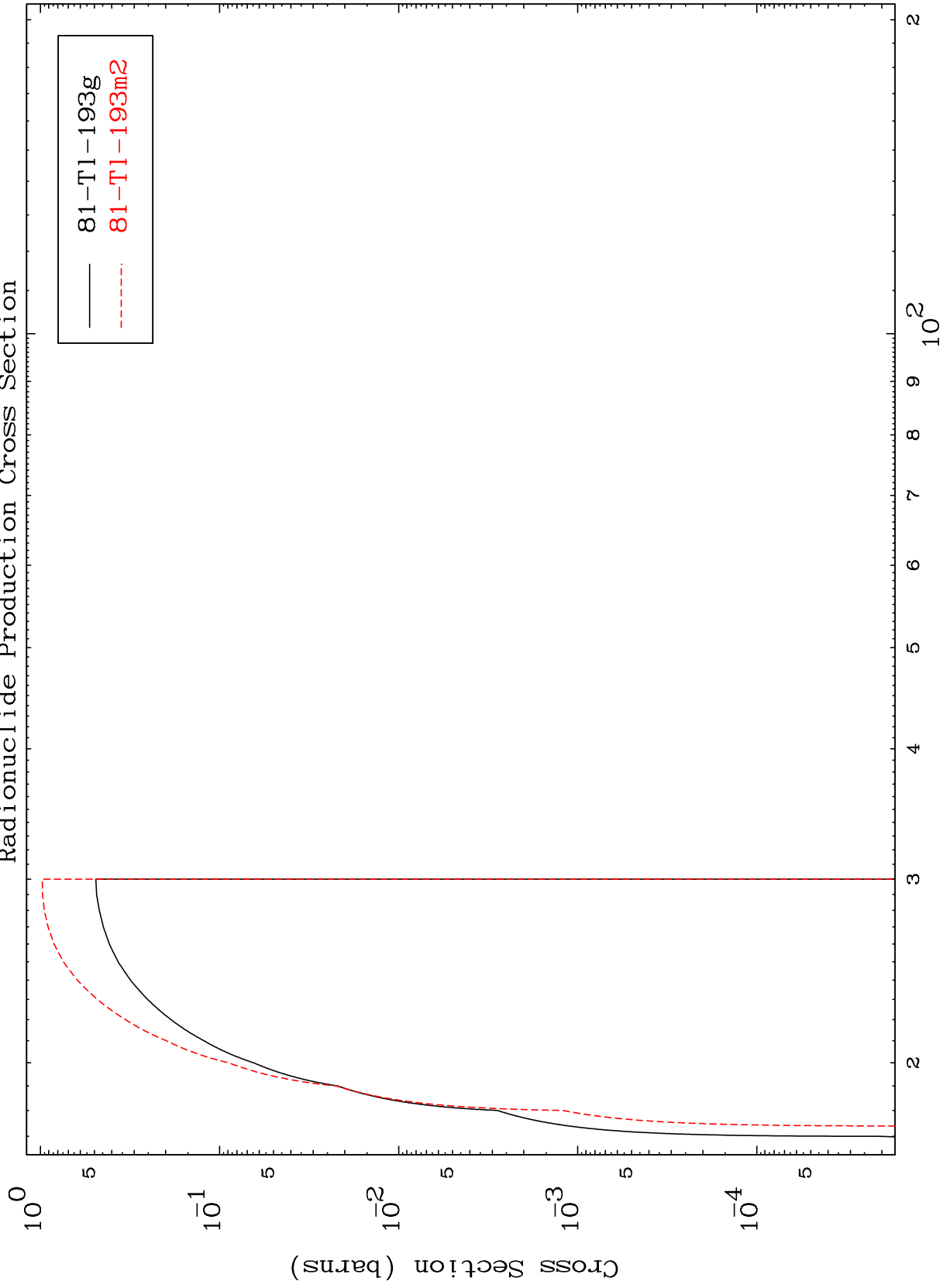
Incident Energy (MeV)

81-Tl-195

MAT 8101

81-Tl-195

(n,3n)  
Radionuclide Production Cross Section



123

Incident Energy (MeV)

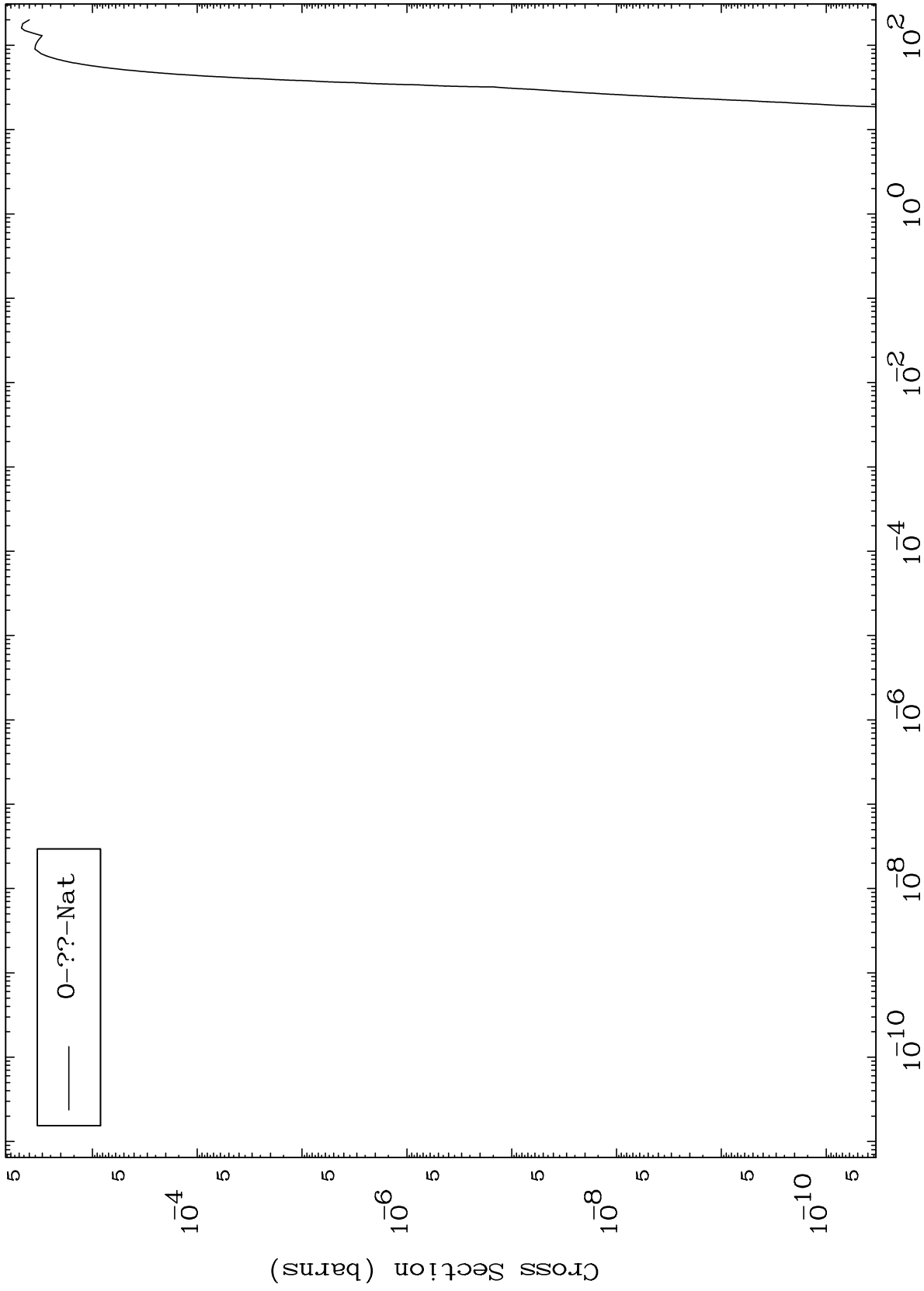
81-Tl-195

MAT 8101

Fission

81-Tl-195

Radionuclide Production Cross Section



124

Incident Energy (MeV)

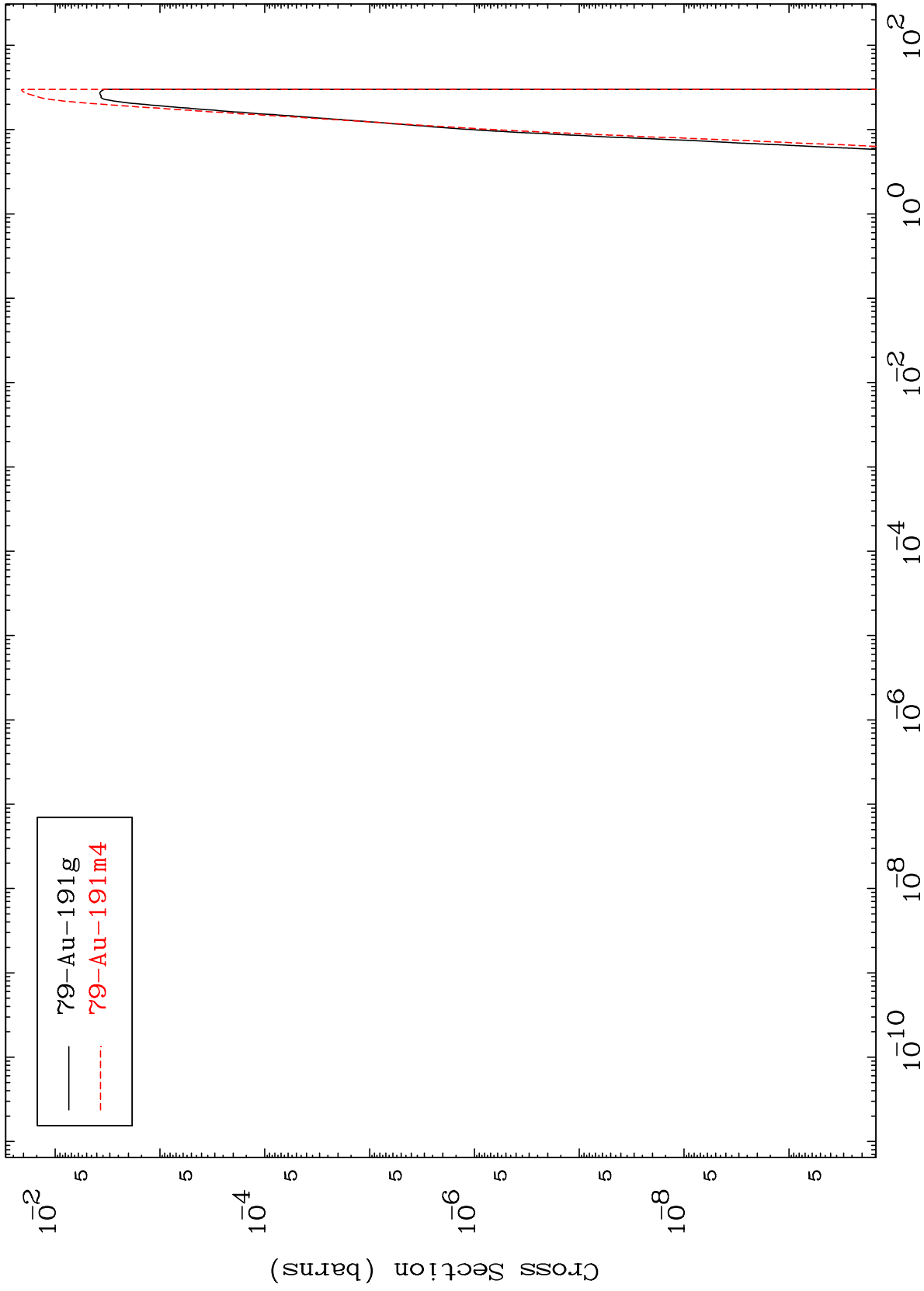
81-Tl-195

MAT 8101

(n,n')  $\alpha$

81-Tl-195

Radionuclide Production Cross Section



125

Incident Energy (MeV)

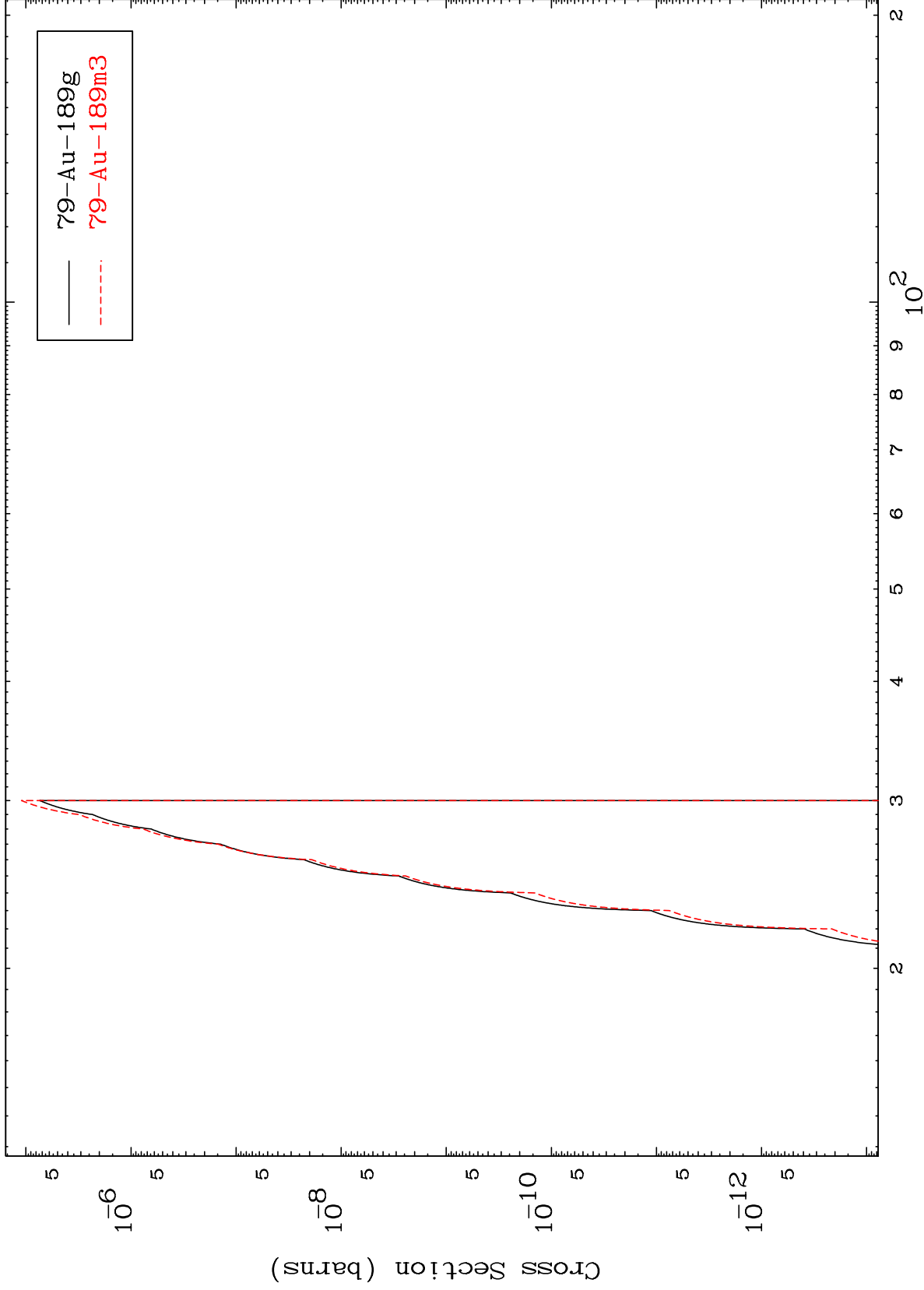
81-Tl-195

MAT 8101

(n,3n)  $\alpha$

81-Tl-195

Radionuclide Production Cross Section



126

Incident Energy (MeV)

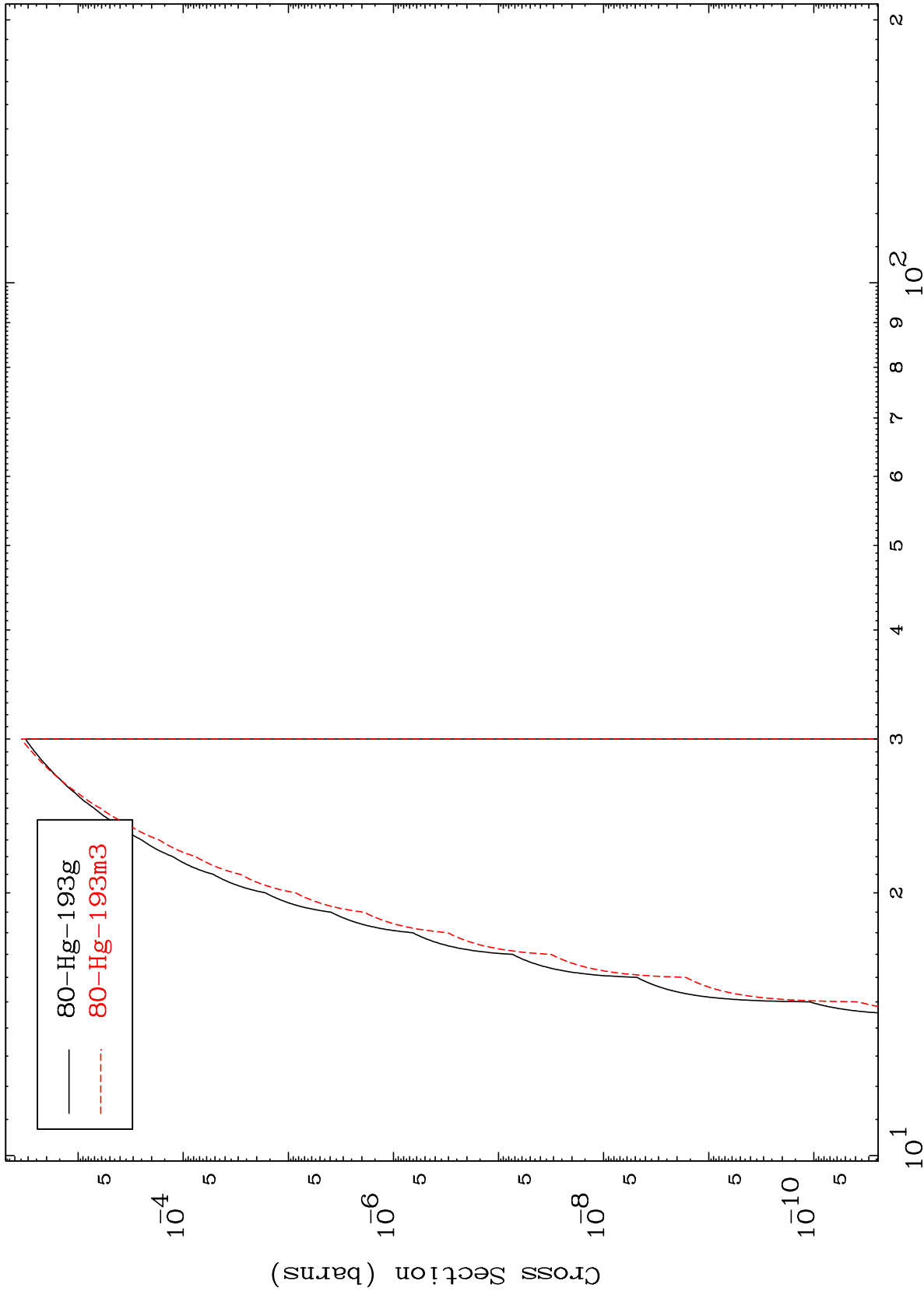
81-Tl-195

MAT 8101

(n,n') d

81-Tl-195

Radionuclide Production Cross Section



127

Incident Energy (MeV)

81-Tl-195

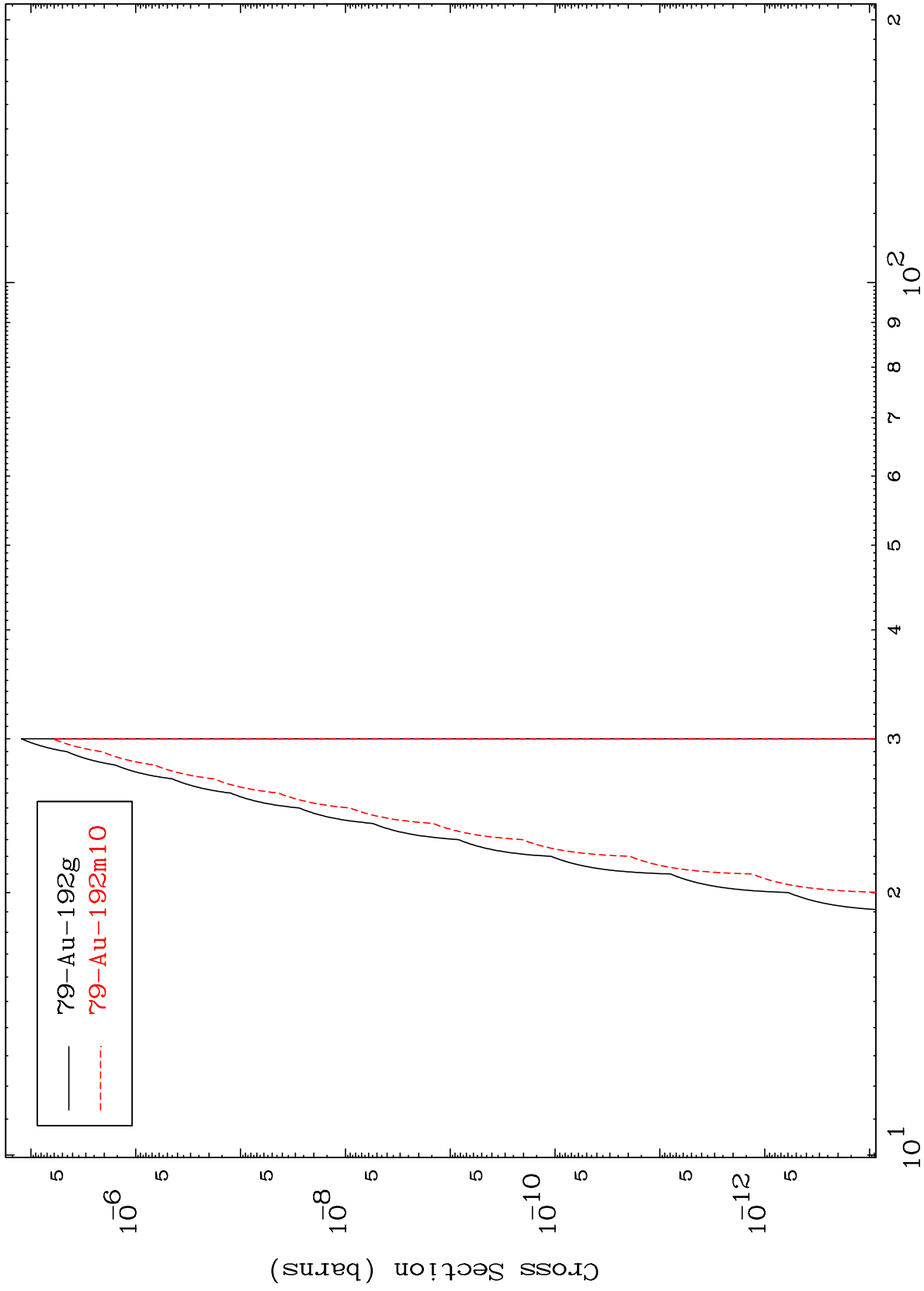


MAT 8101

(n, n') He-3

81-Tl-195

Radionuclide Production Cross Section



128

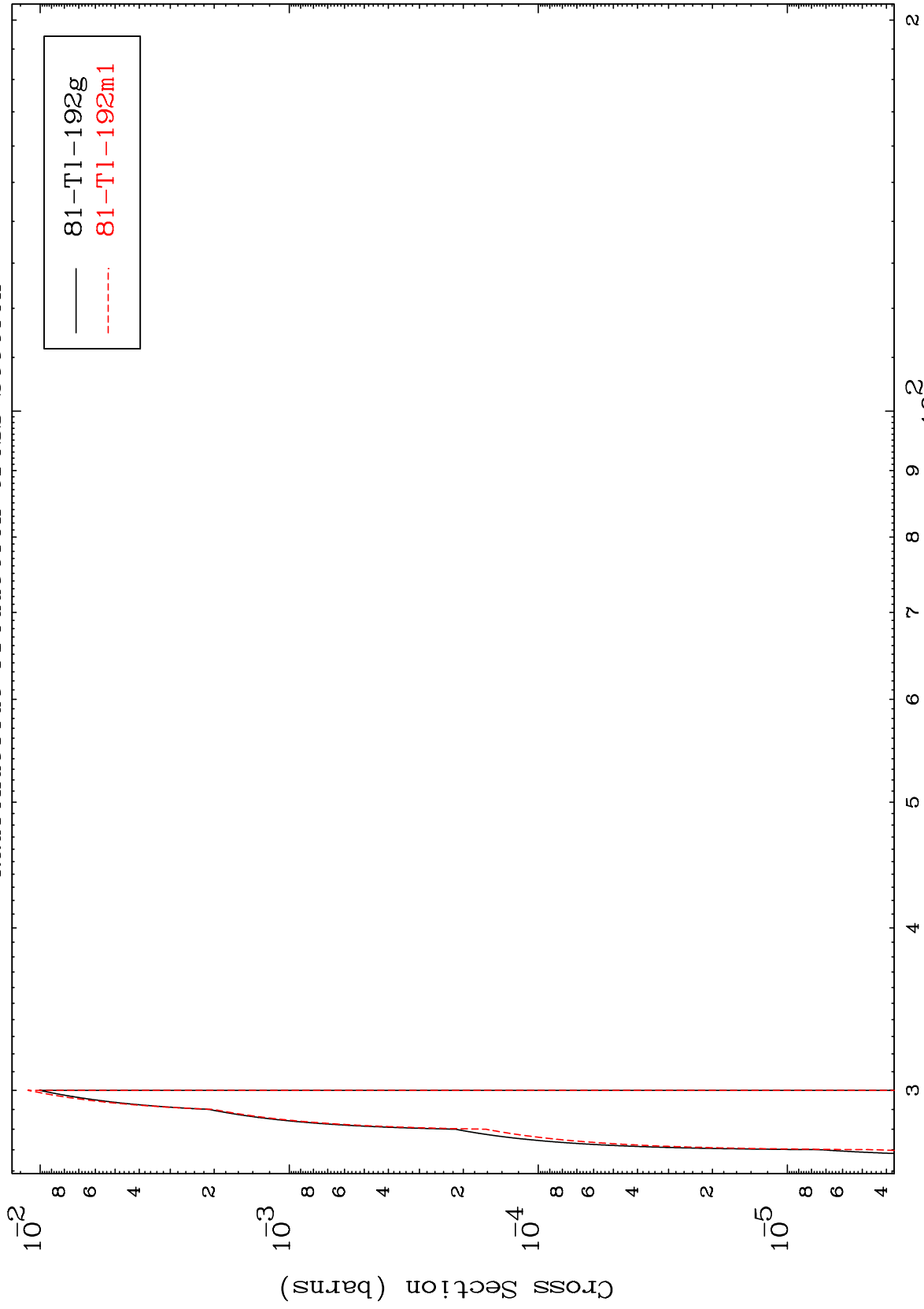
Incident Energy (MeV)

81-Tl-195

MAT 8101

81-Tl-195

(n,4n)  
Radionuclide Production Cross Section



129

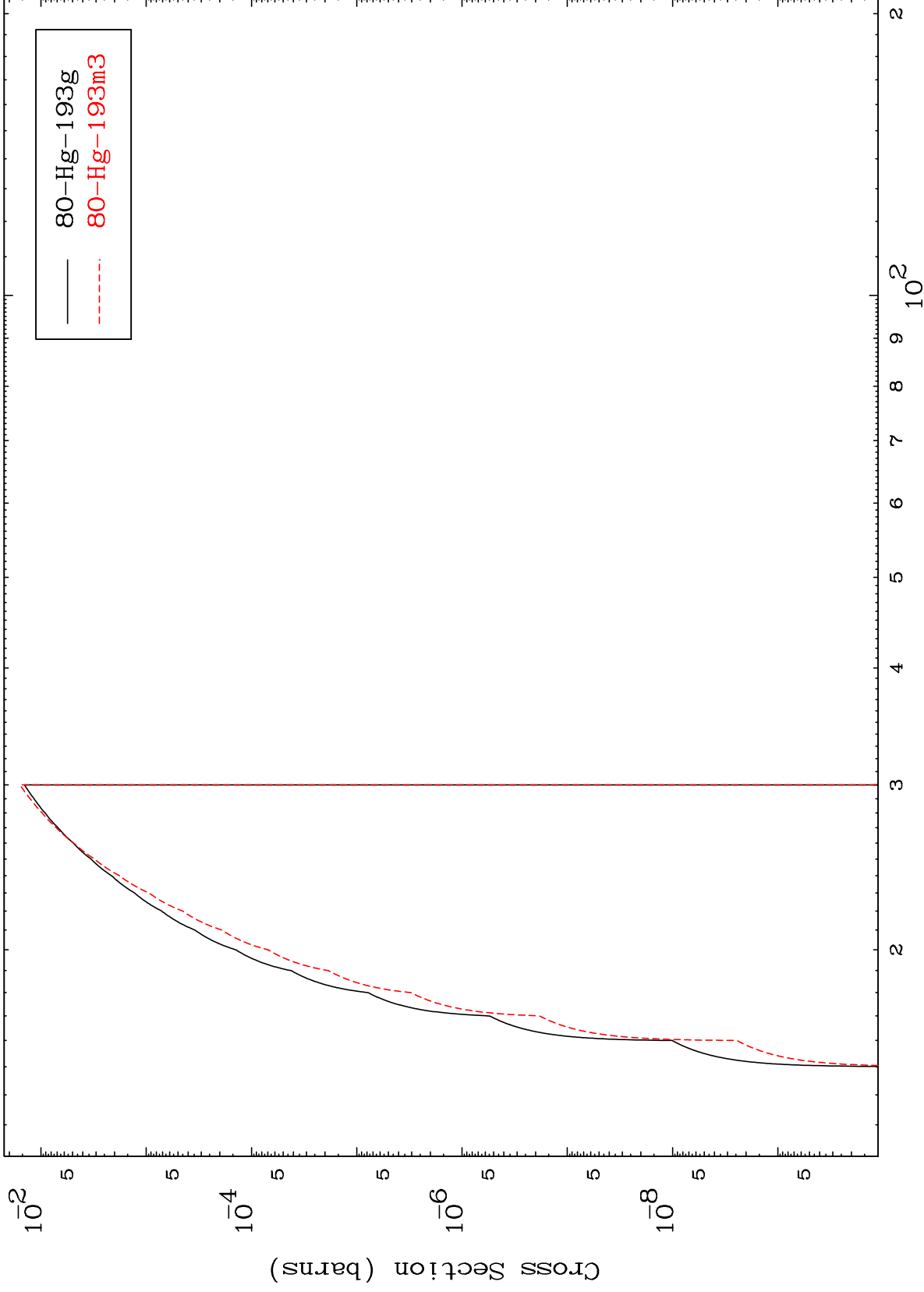
81-Tl-195

MAT 8101

(n,2n) p

81-Tl-195

Radionuclide Production Cross Section



130

Incident Energy (MeV)

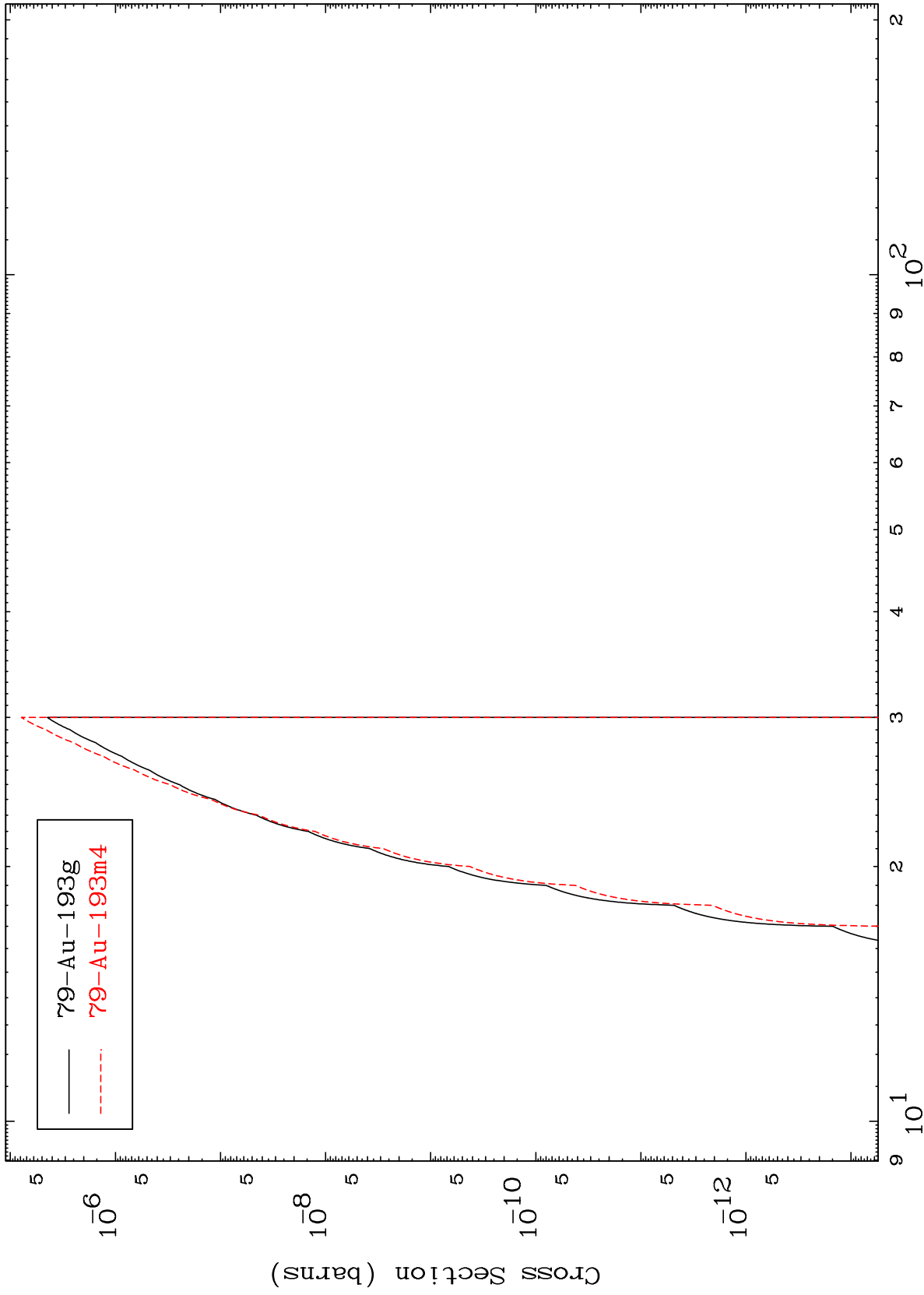
81-Tl-195

MAT 8101

(n,2n) p

81-Tl-195

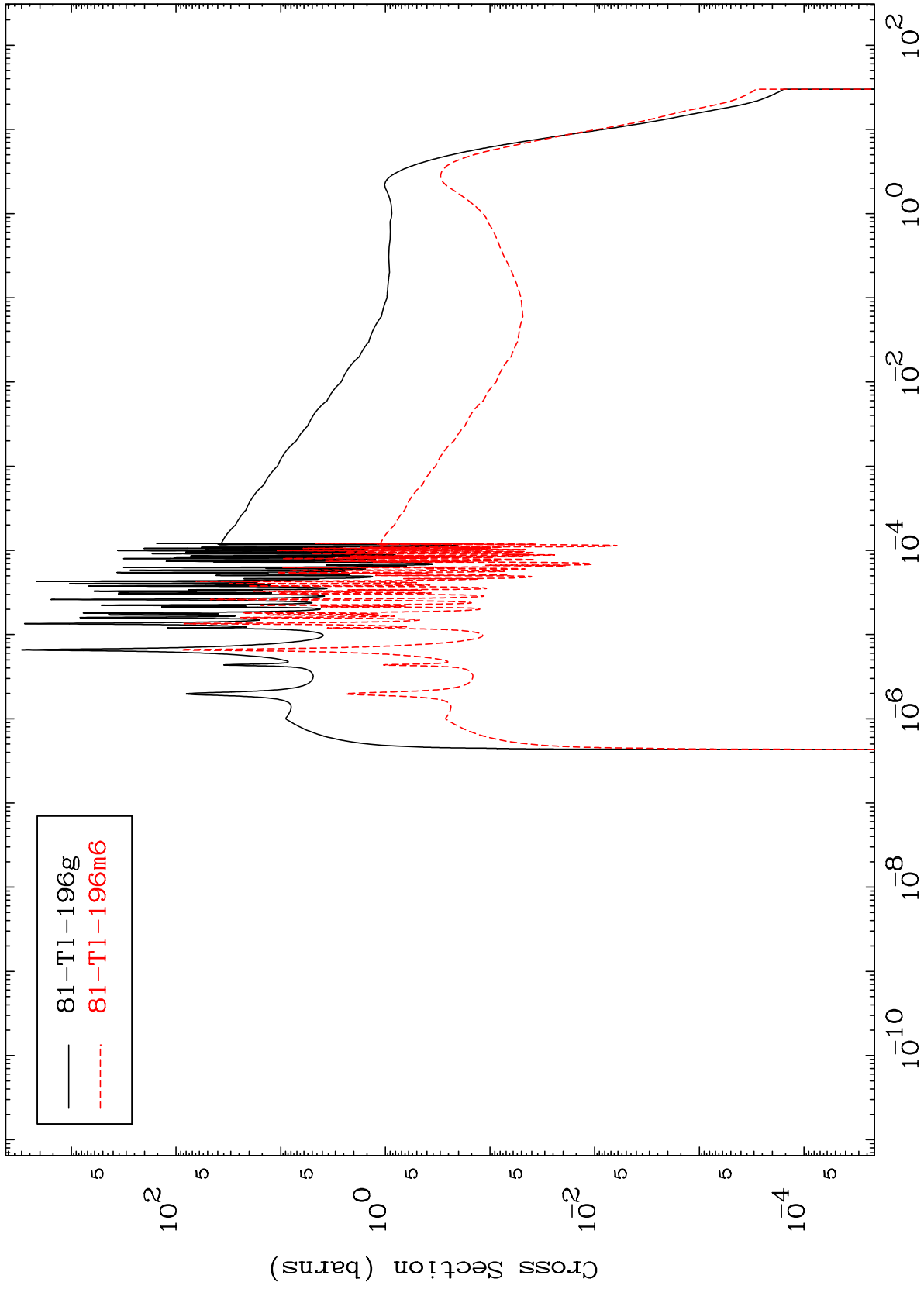
Radionuclide Production Cross Section



MAT 8101

81-Tl-195

(n,γ)  
Radionuclide Production Cross Section



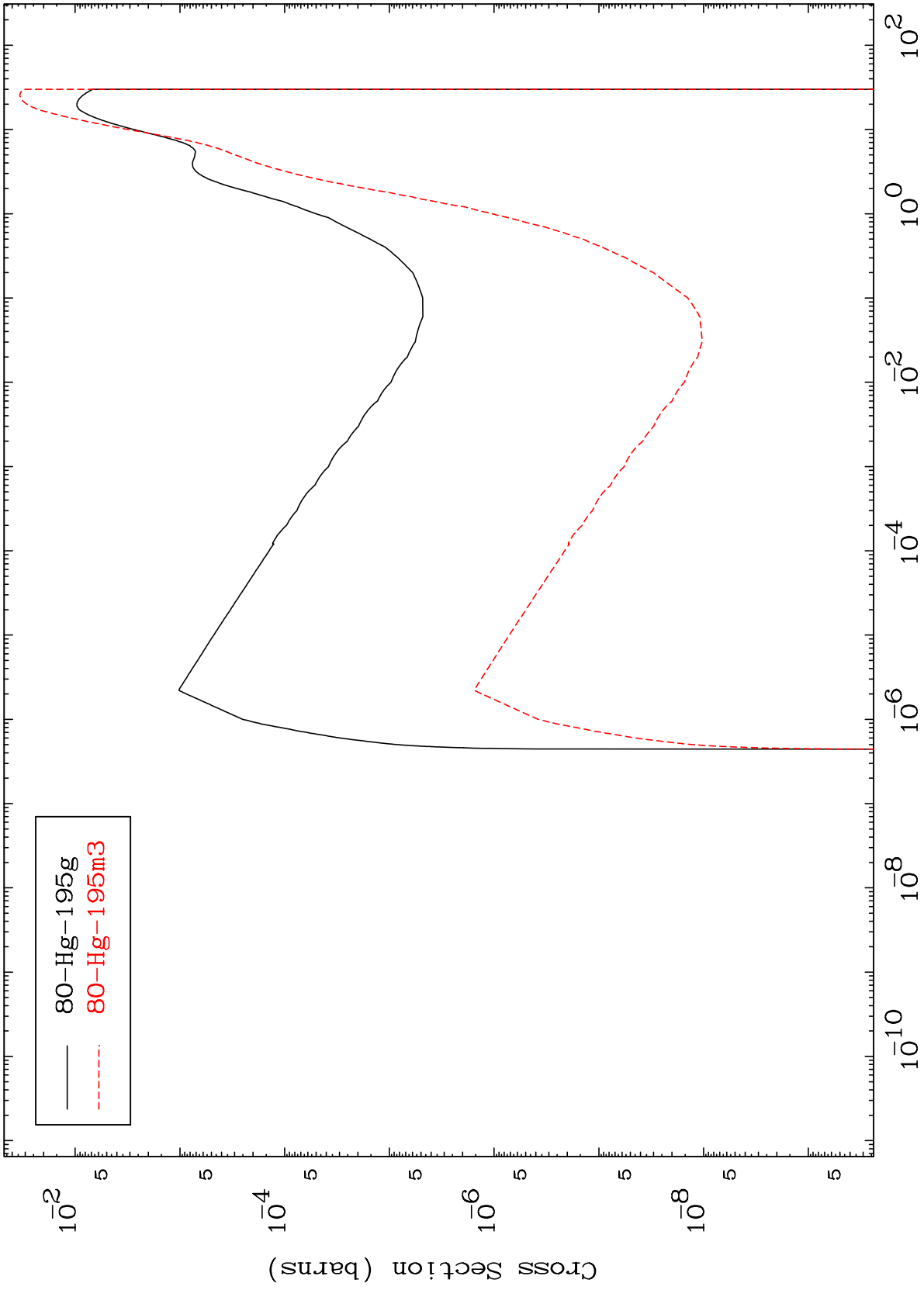
132

81-Tl-195

MAT 8101

(n,p)  
Radionuclide Production Cross Section

81-Tl-195



133

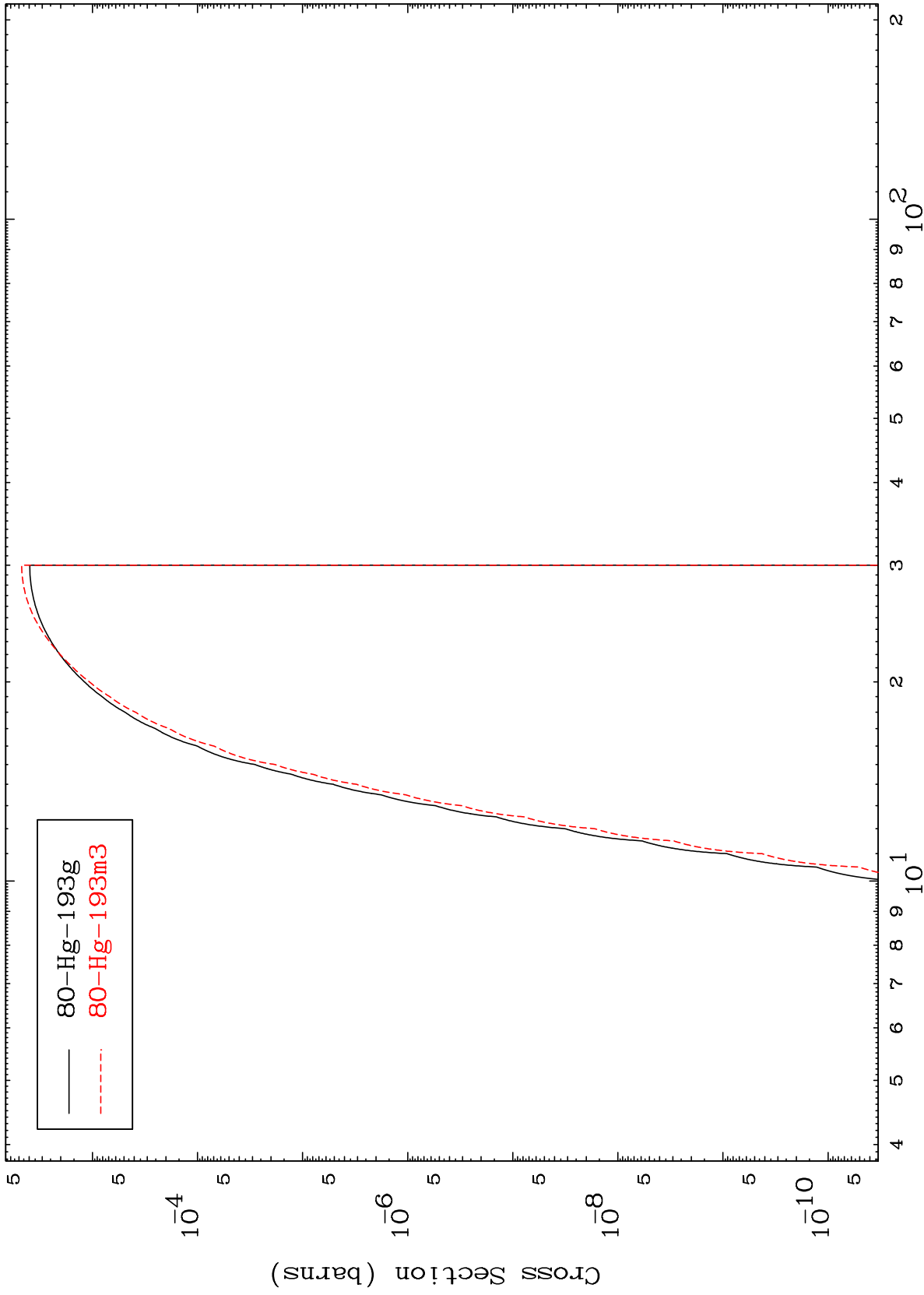
Incident Energy (MeV)

81-Tl-195

MAT 8101

81-Tl-195

Radionuclide Production Cross Section



134

81-Tl-195

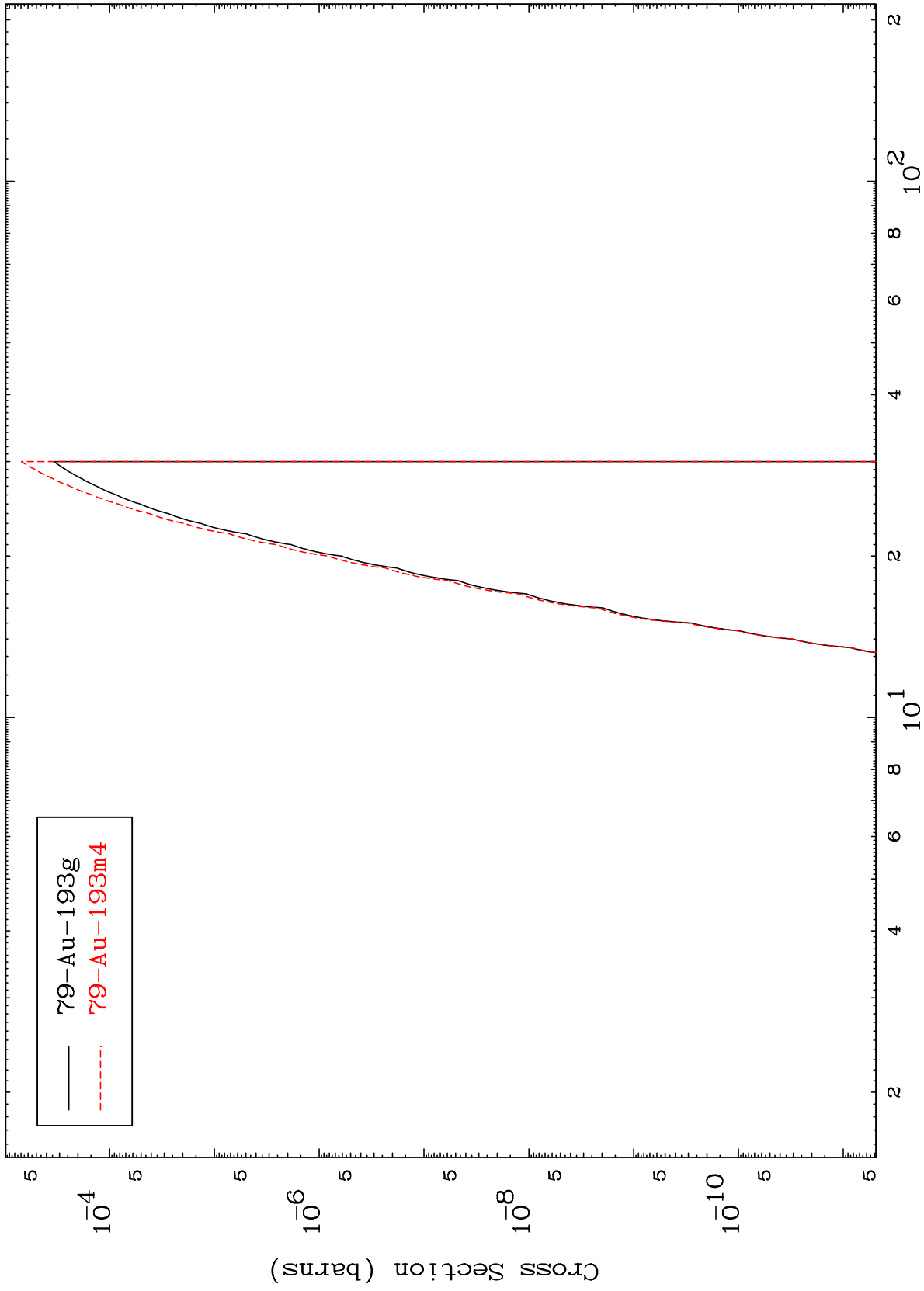
Incident Energy (MeV)

MAT 8101

(n, He-3)

81-Tl-195

Radionuclide Production Cross Section



—  $^{79}\text{Au-193g}$   
- - -  $^{79}\text{Au-193m4}$

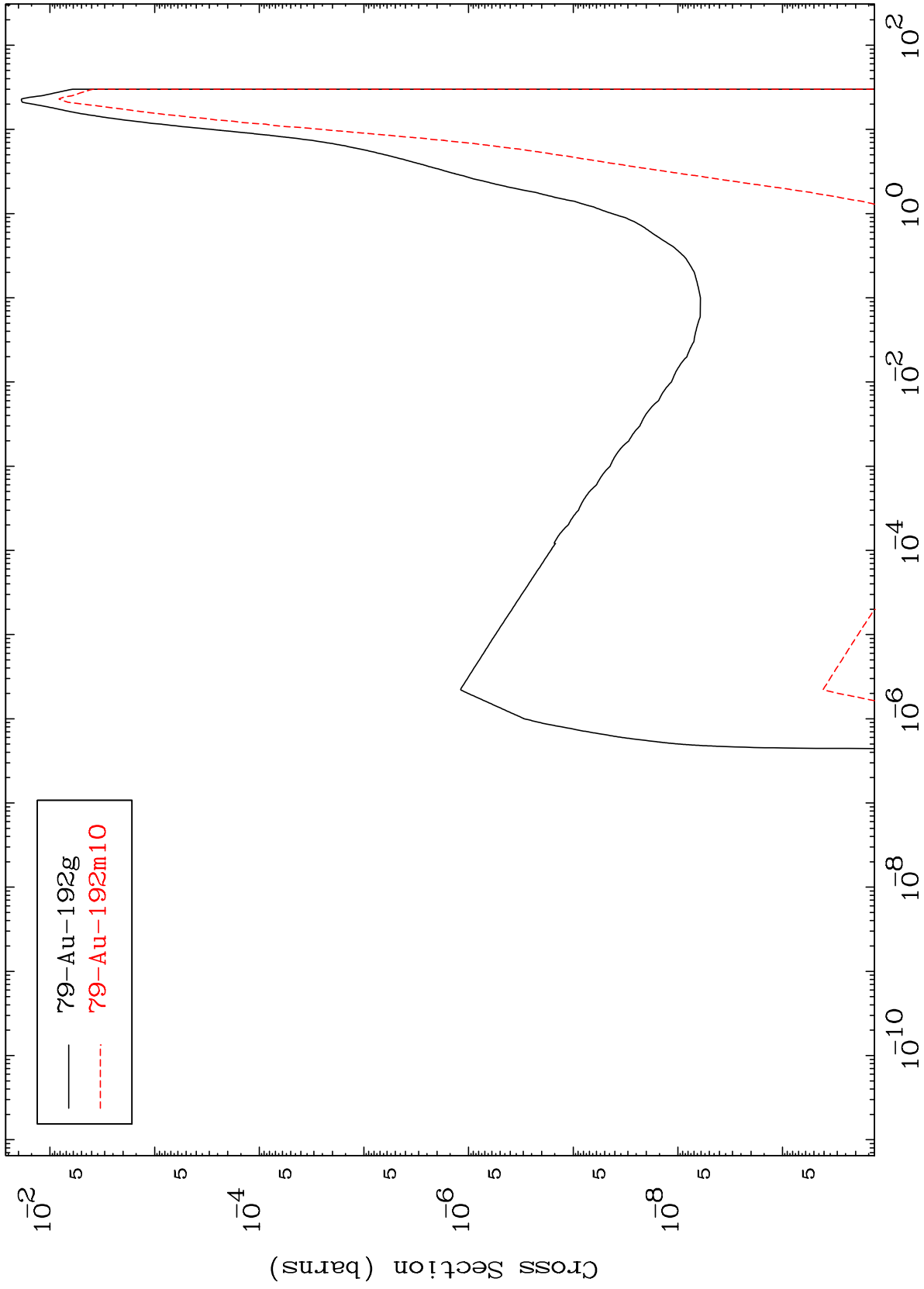


MAT 8101

(n,  $\alpha$ )

81-Tl-195

Radionuclide Production Cross Section



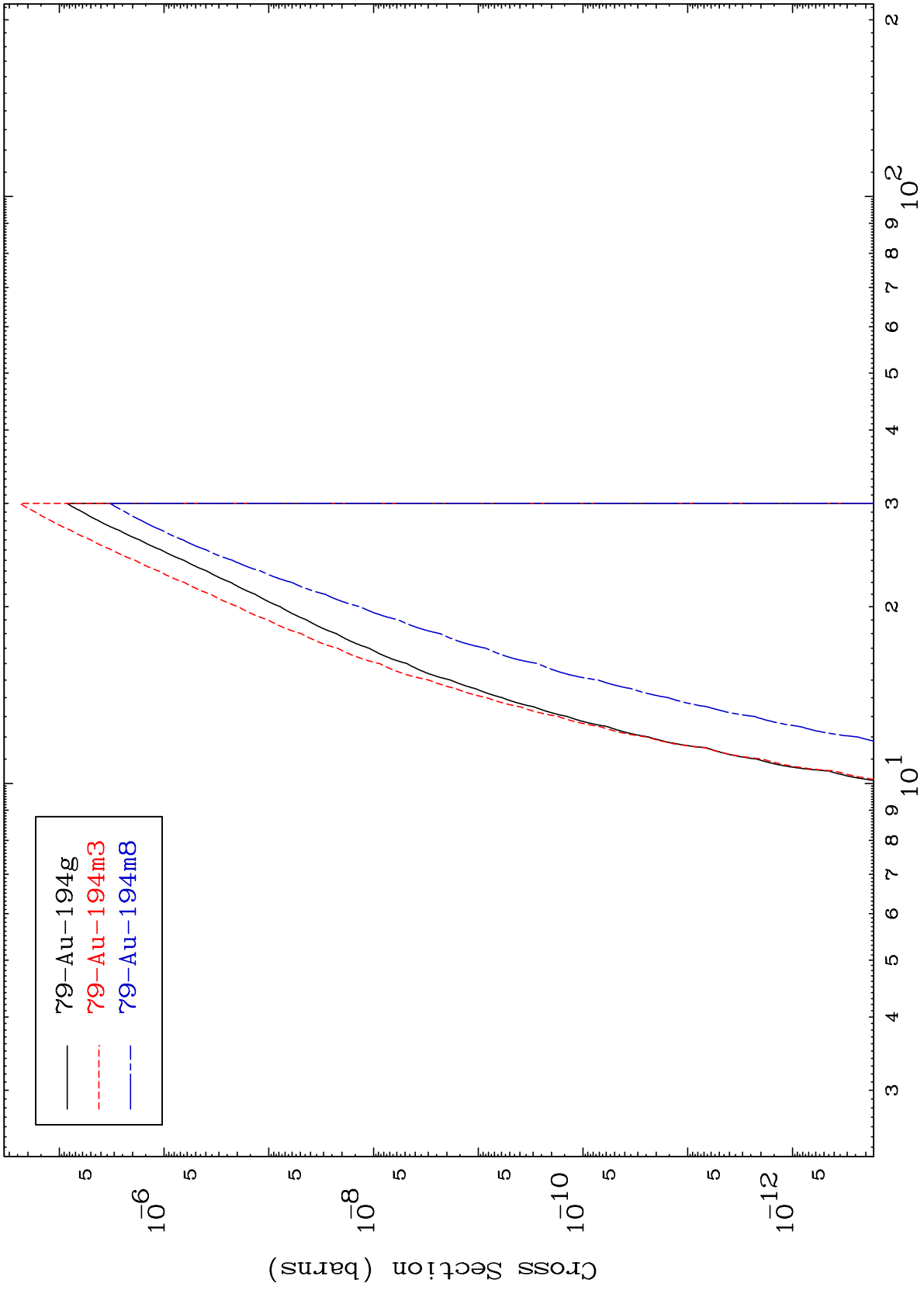
136

81-Tl-195

MAT 8101

81-Tl-195

Radionuclide Production Cross Section  
(n,2p)



137

Incident Energy (MeV)

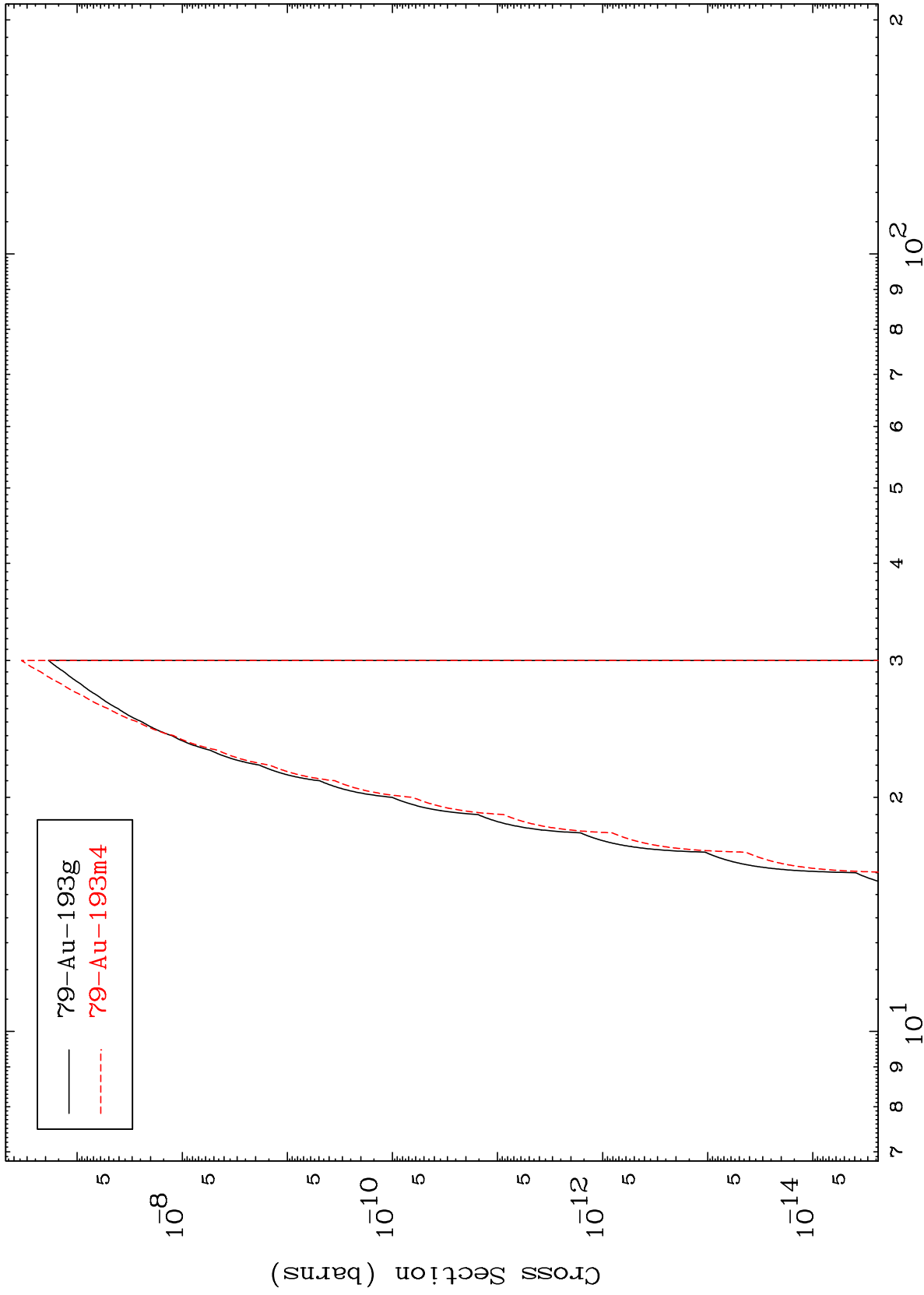
81-Tl-195

MAT 8101

(n,p) d

81-Tl-195

Radionuclide Production Cross Section



138

Incident Energy (MeV)

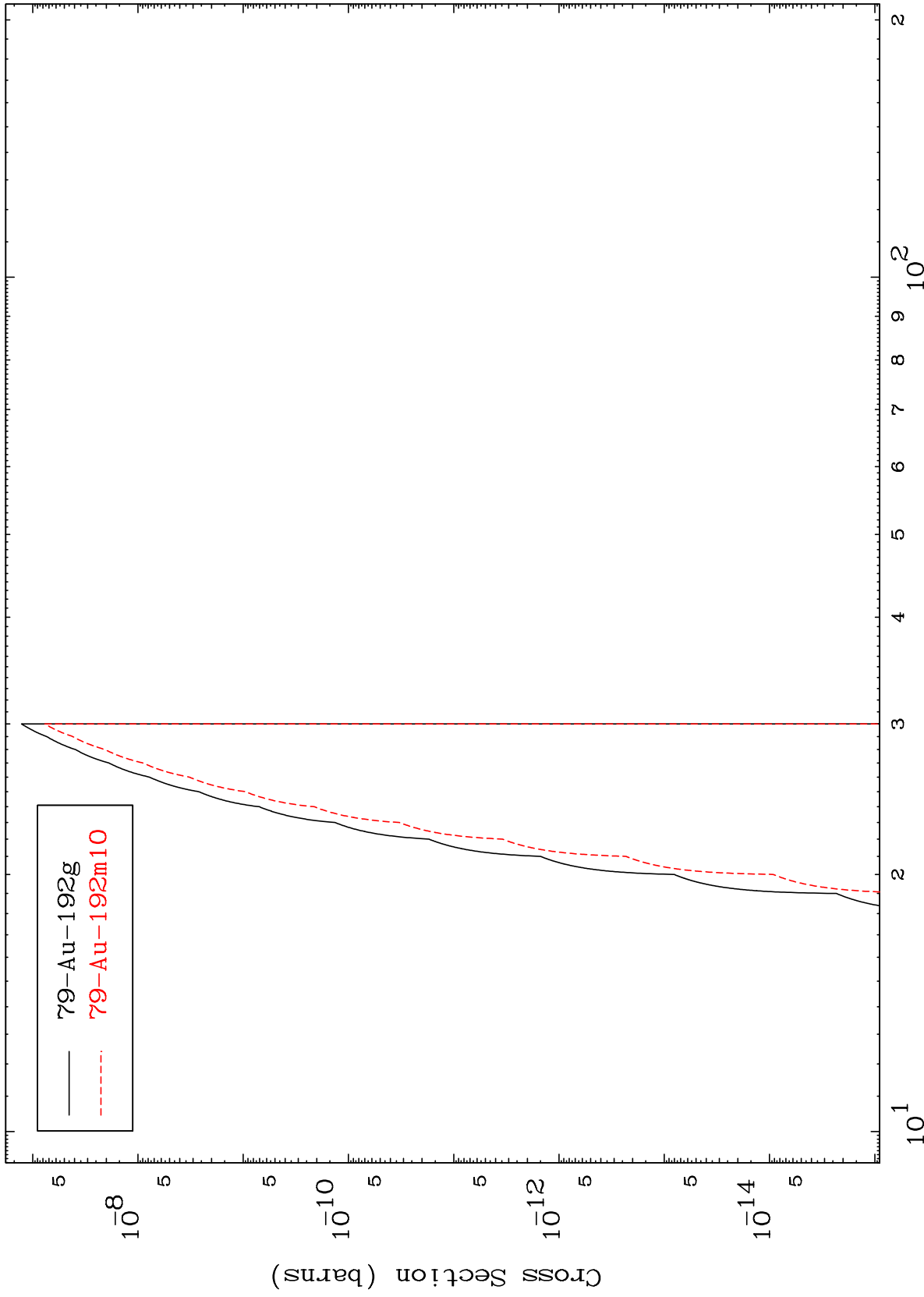
81-Tl-195

MAT 8101

(n,p) t

81-Tl-195

Radionuclide Production Cross Section



139

Incident Energy (MeV)

81-Tl-195