

Program EVALPLOT  
(Version 2018-1)

by

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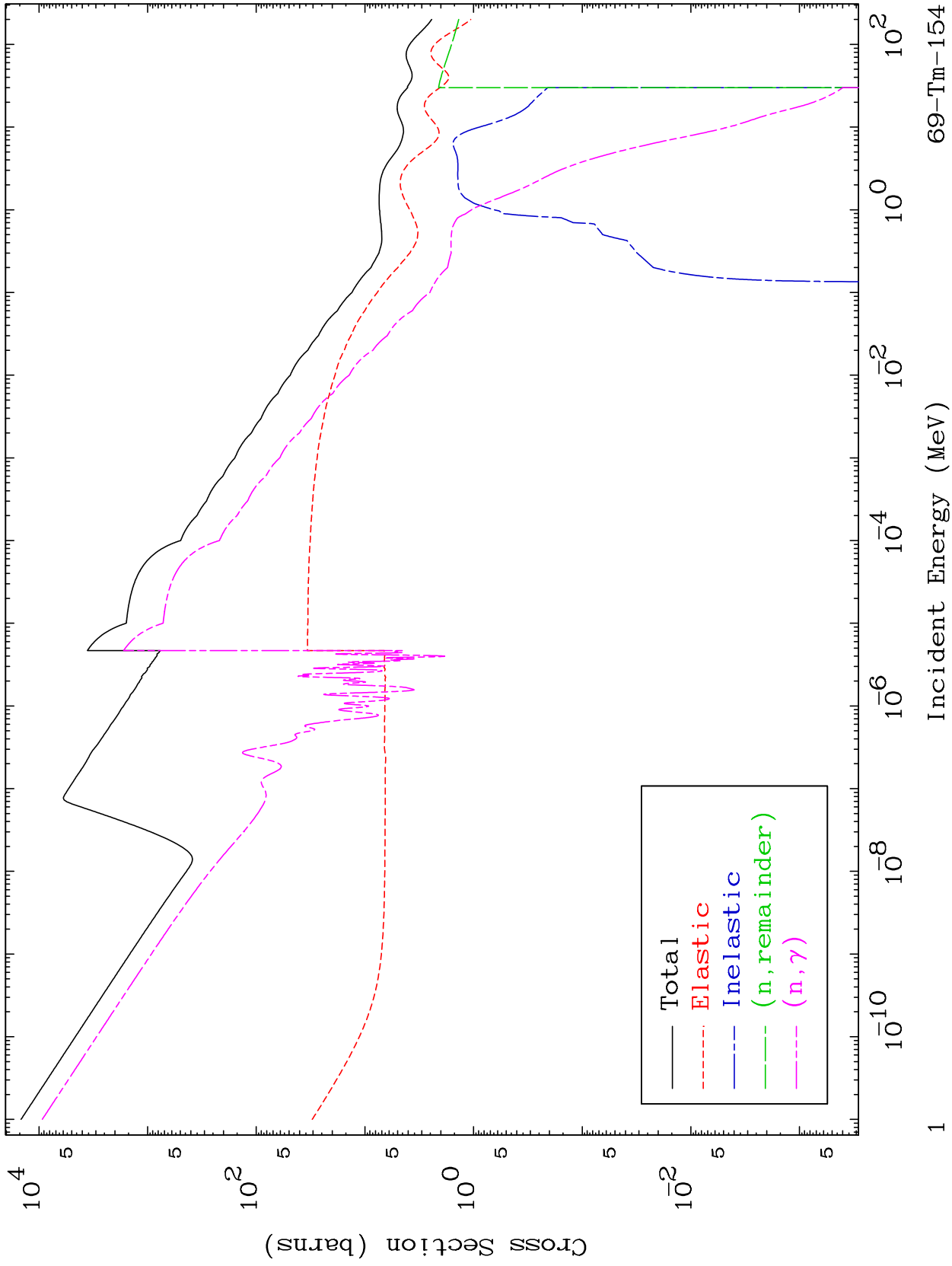
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6880

Major  
293 Kelvin Cross Sections

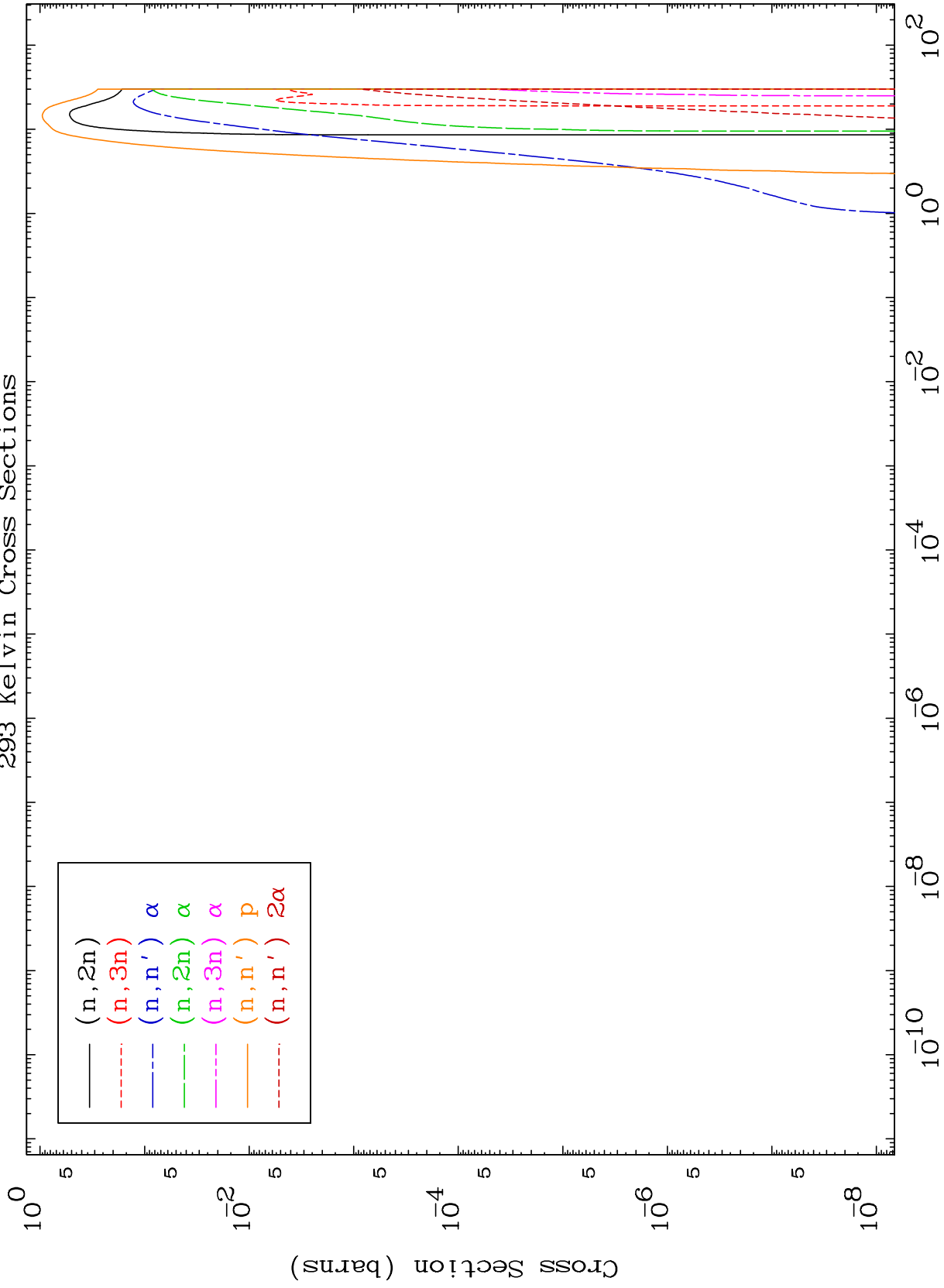
69-Tm-154



MAT 6880

Neutron Production  
293 Kelvin Cross Sections

69-Tm-154



2

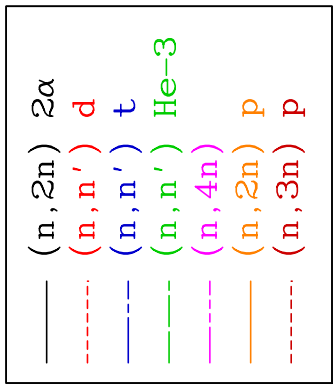
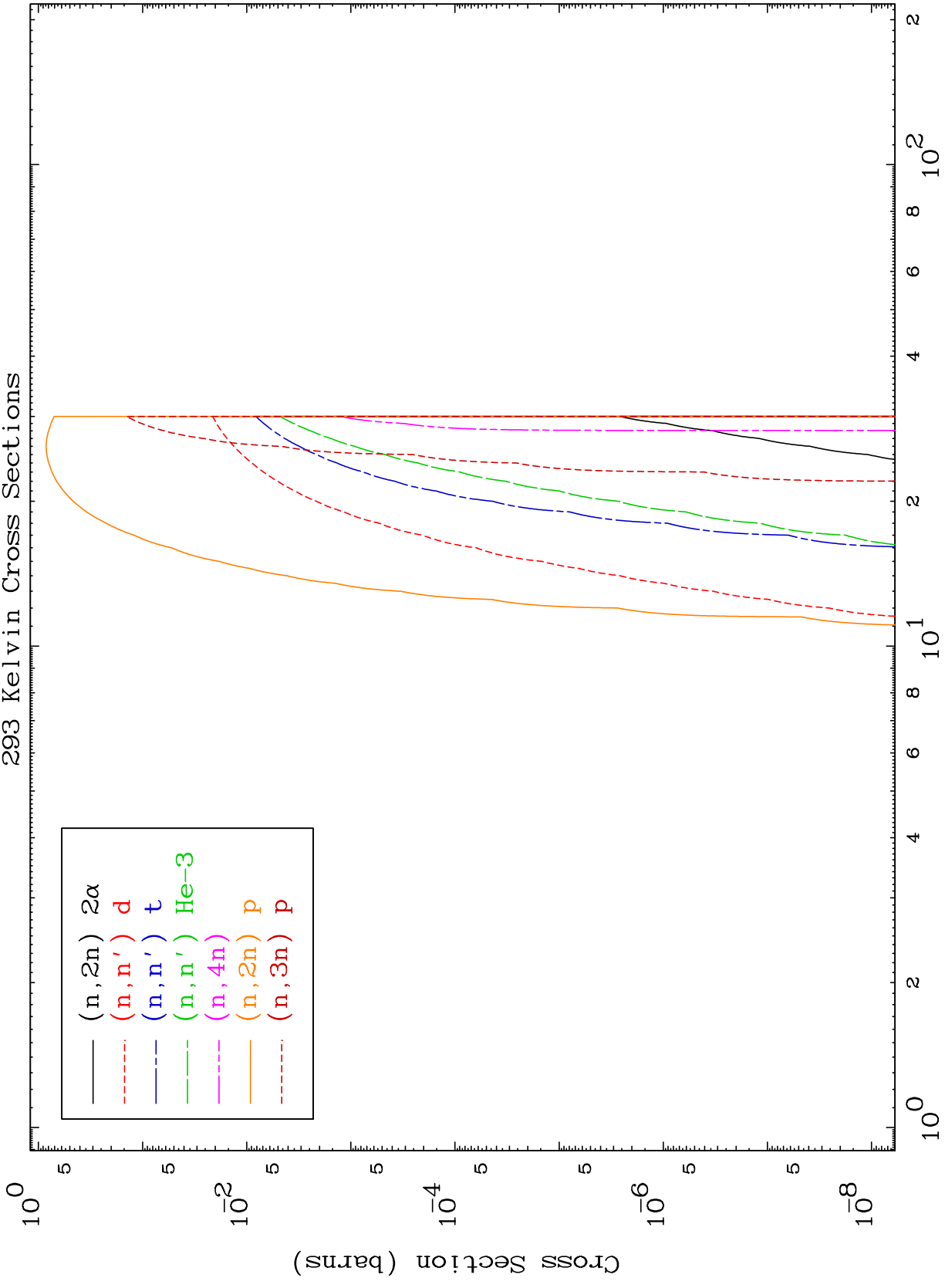
Incident Energy (MeV)

69-Tm-154

MAT 6880

Neutron Production  
293 Kelvin Cross Sections

69-Tm-154



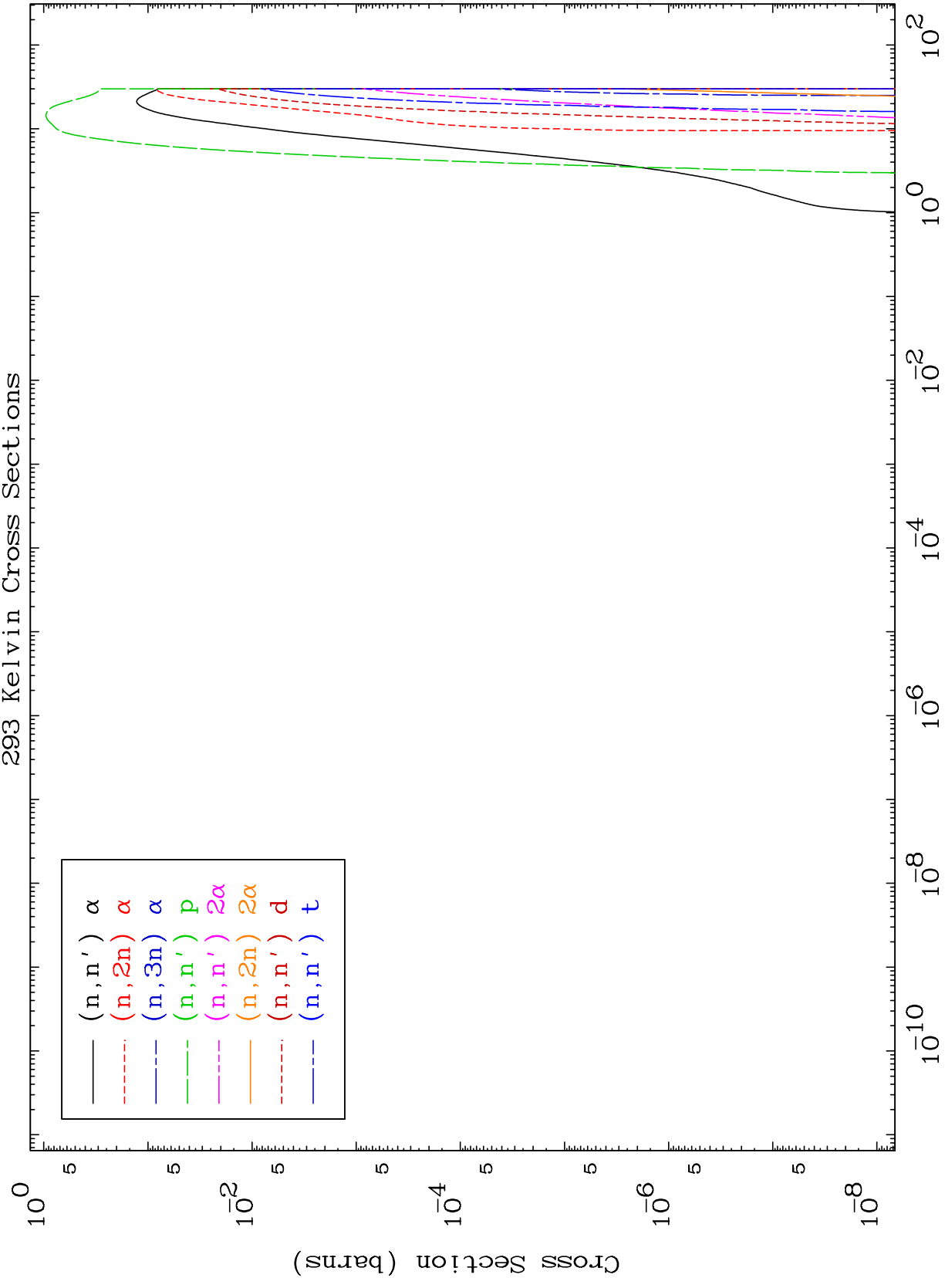
Incident Energy (MeV)

69-Tm-154

MAT 6880

Charged Particle  
293 Kelvin Cross Sections

69-Tm-154



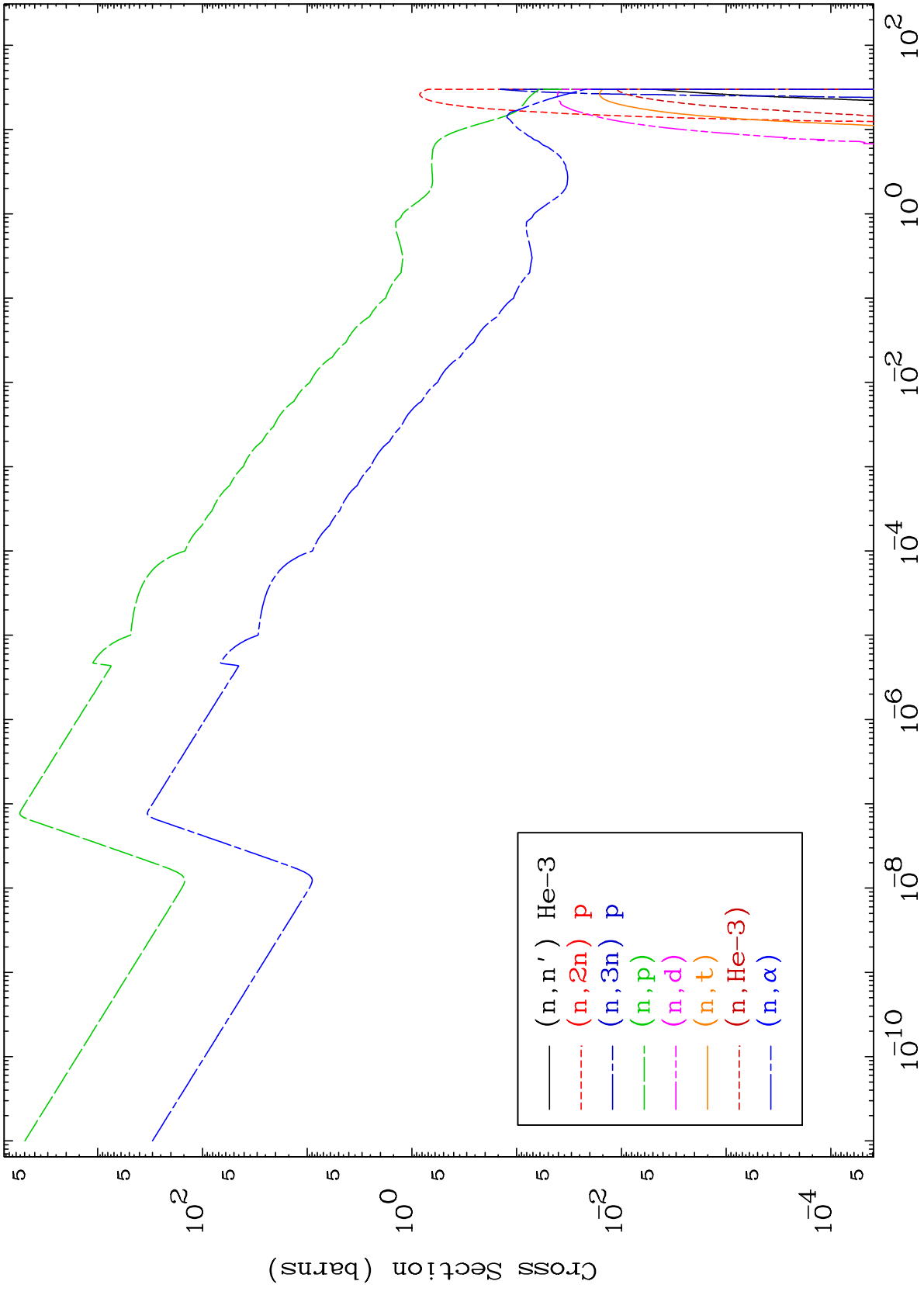
69-Tm-154

Incident Energy (MeV)

MAT 6880

Charged Particle  
293 Kelvin Cross Sections

69-Tm-154

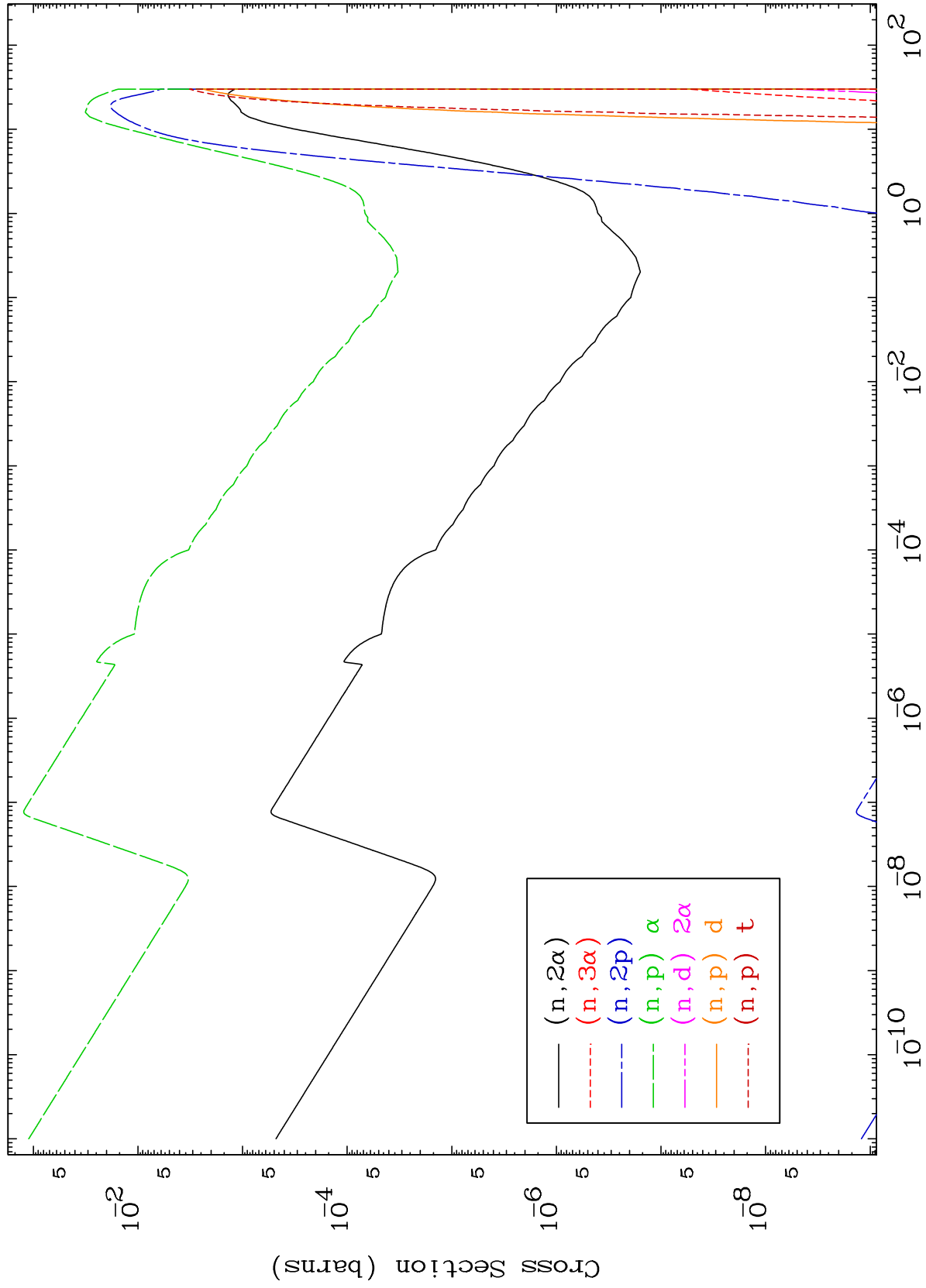


69-Tm-154

MAT 6880

Charged Particle  
293 Kelvin Cross Sections

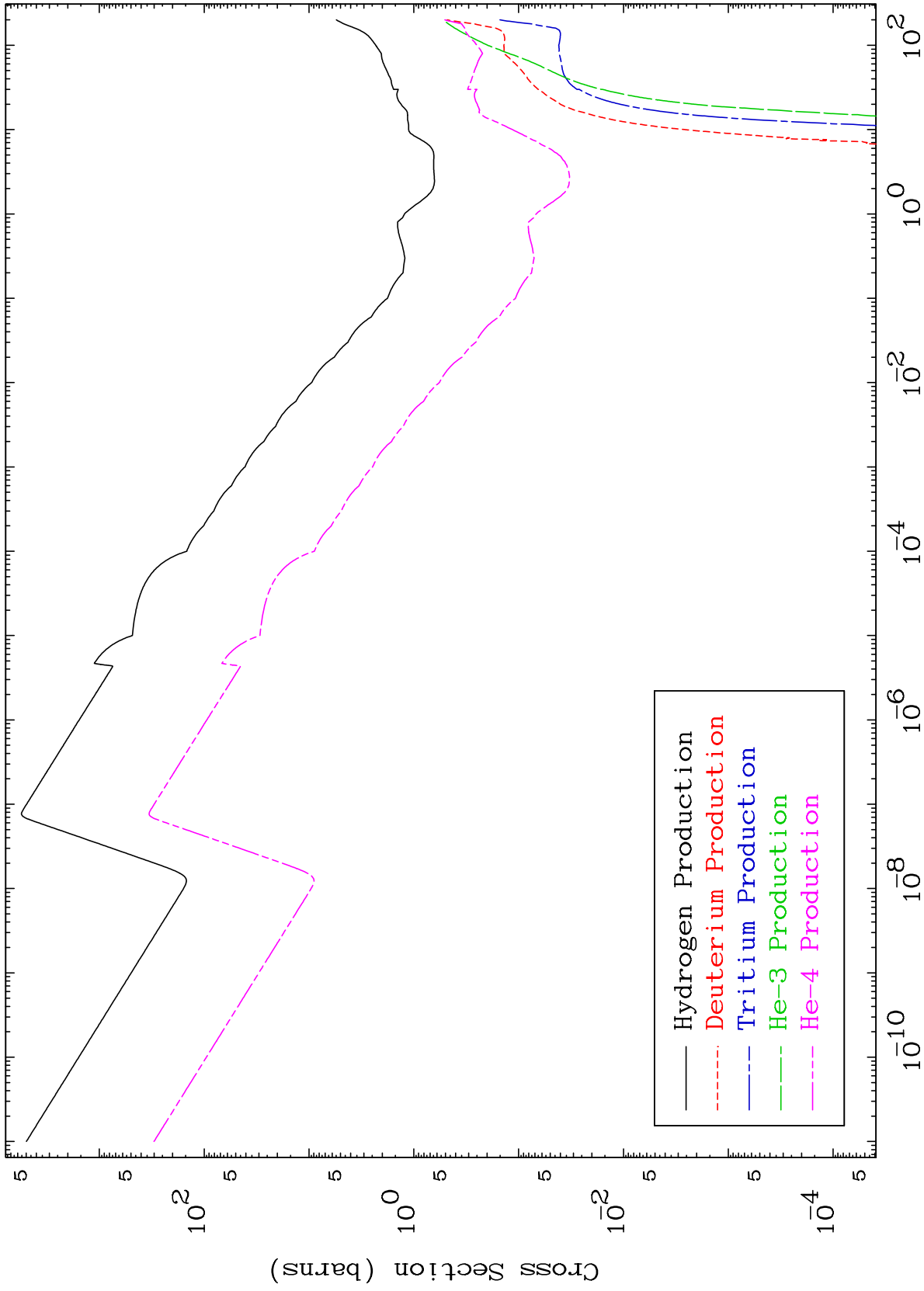
69-Tm-154



MAT 6880

Particle Production  
293 Kelvin Cross Sections

69-Tm-154



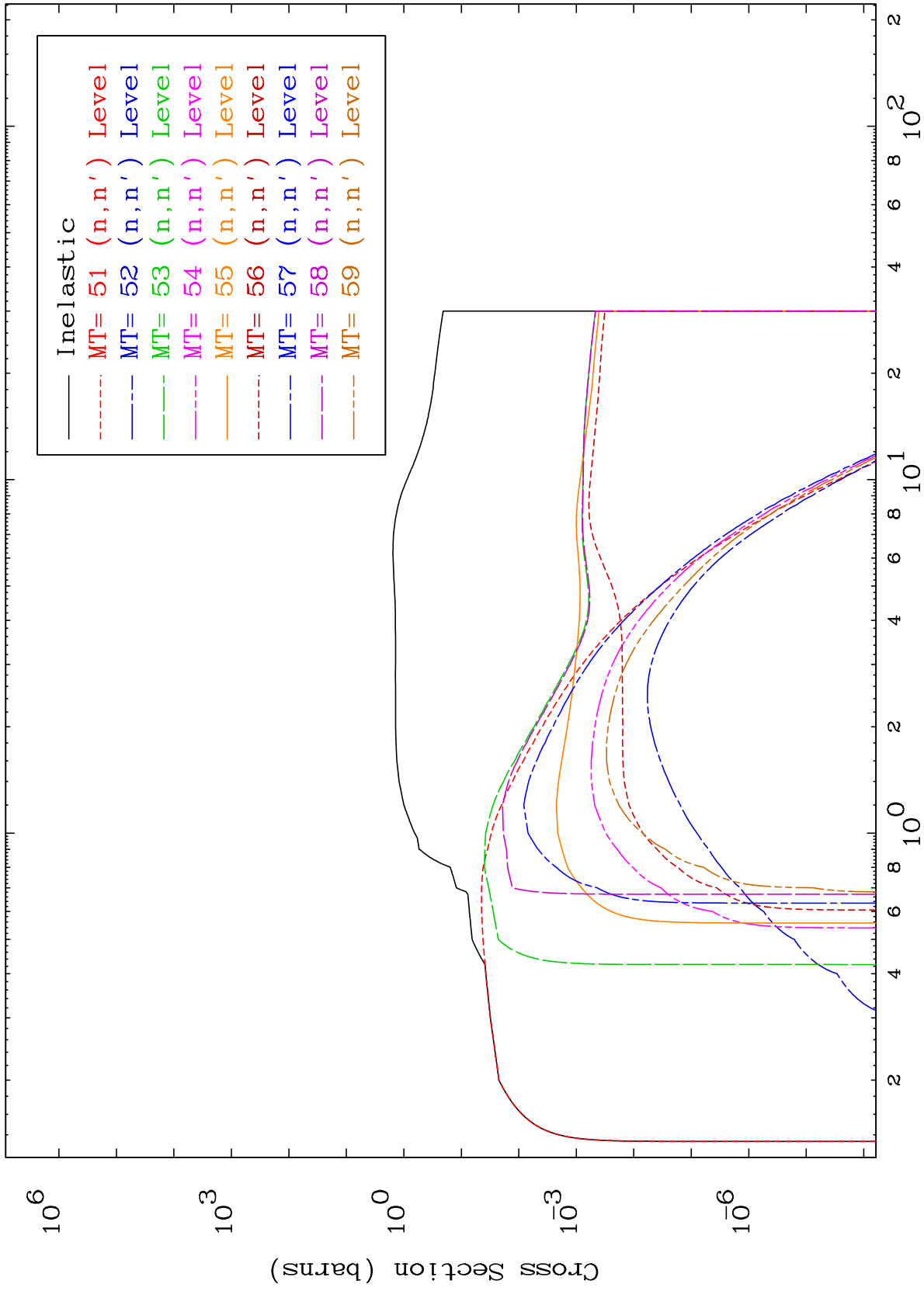
69-Tm-154



MAT 6880

(n,n') Level  
293 Kelvin Cross Sections

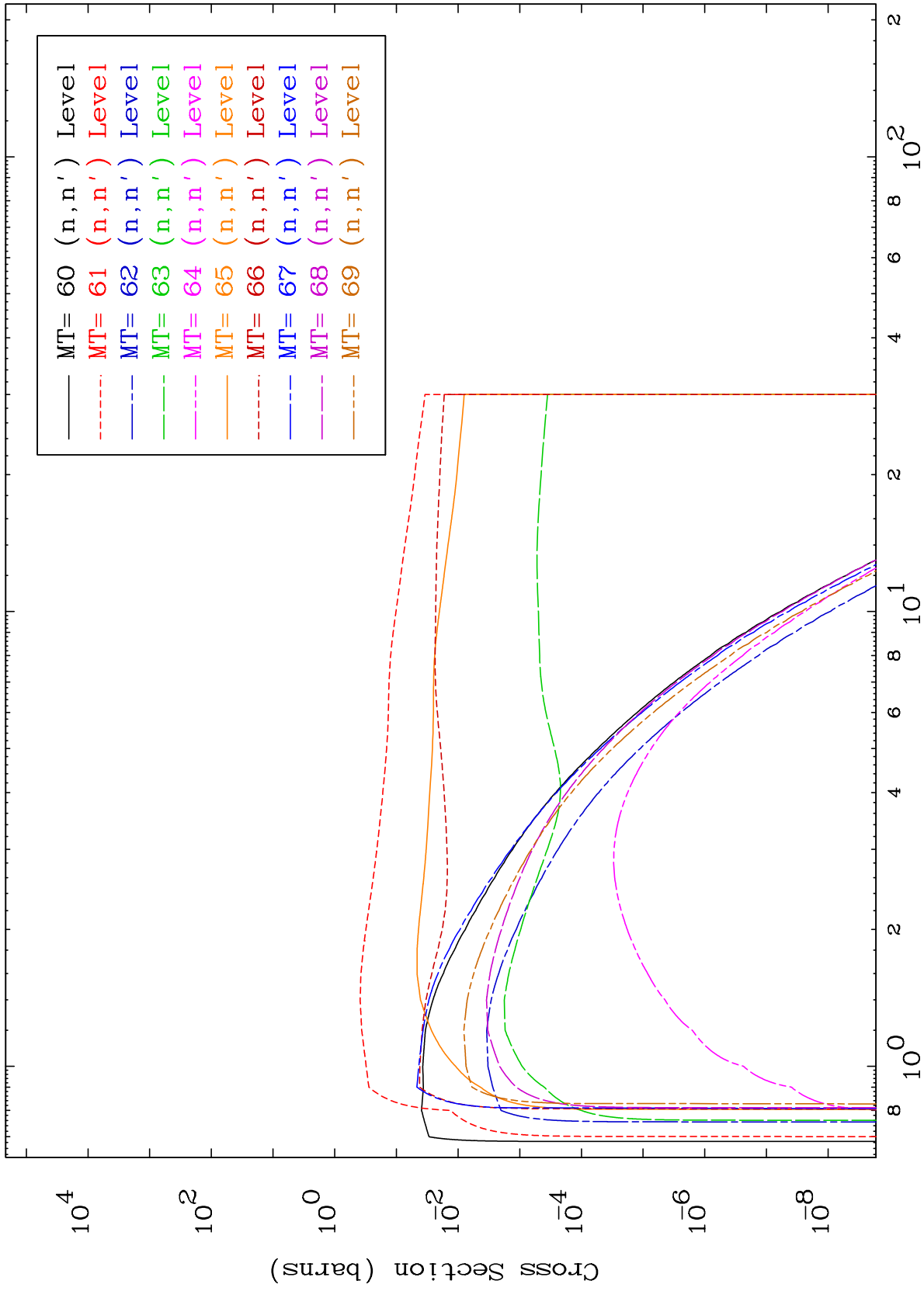
69-Tm-154



MAT 6880

(n,n') Level  
293 Kelvin Cross Sections

69-Tm-154



9

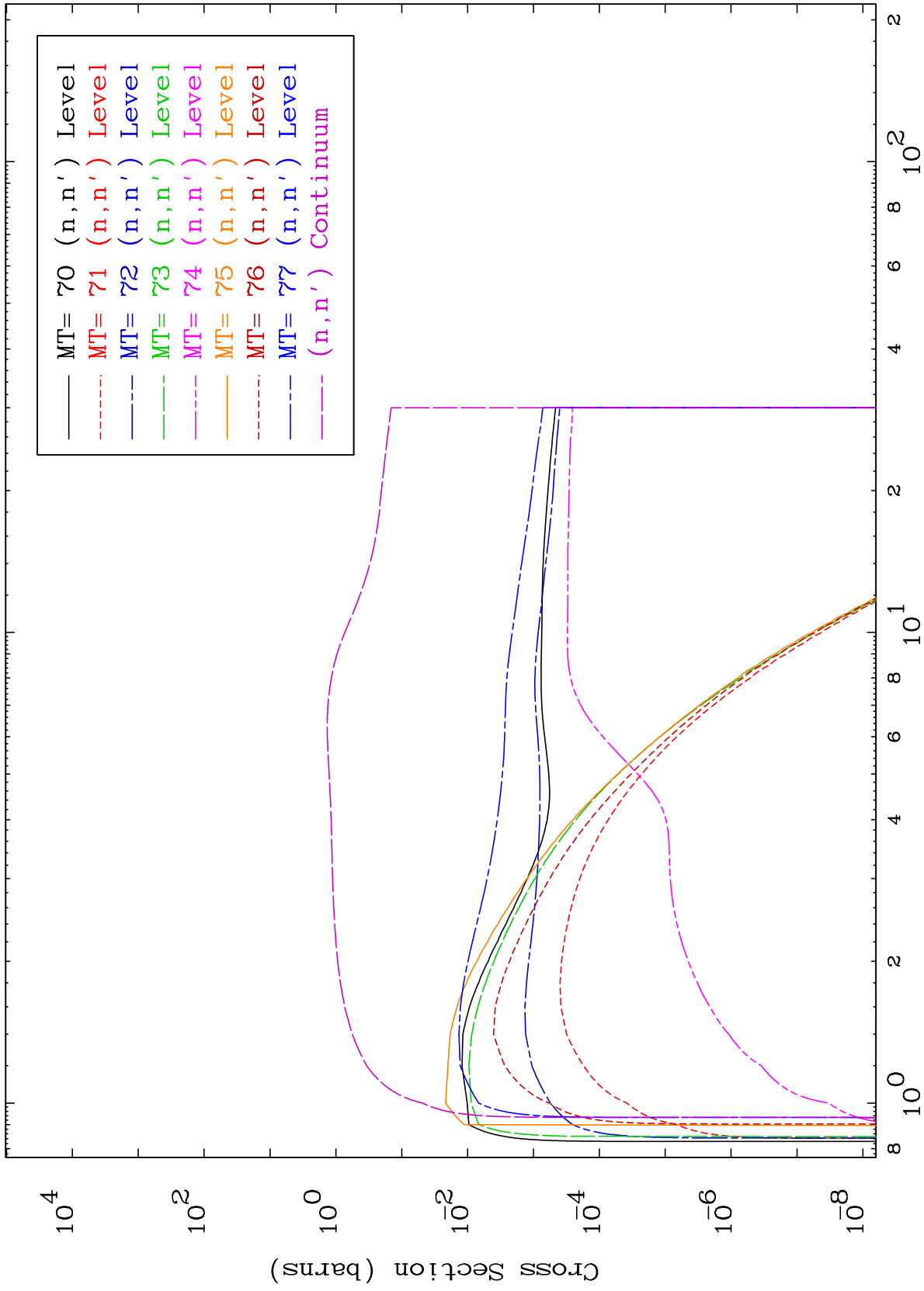
Incident Energy (MeV)

69-Tm-154

MAT 6880

(n,n') Level  
293 Kelvin Cross Sections

69-Tm-154



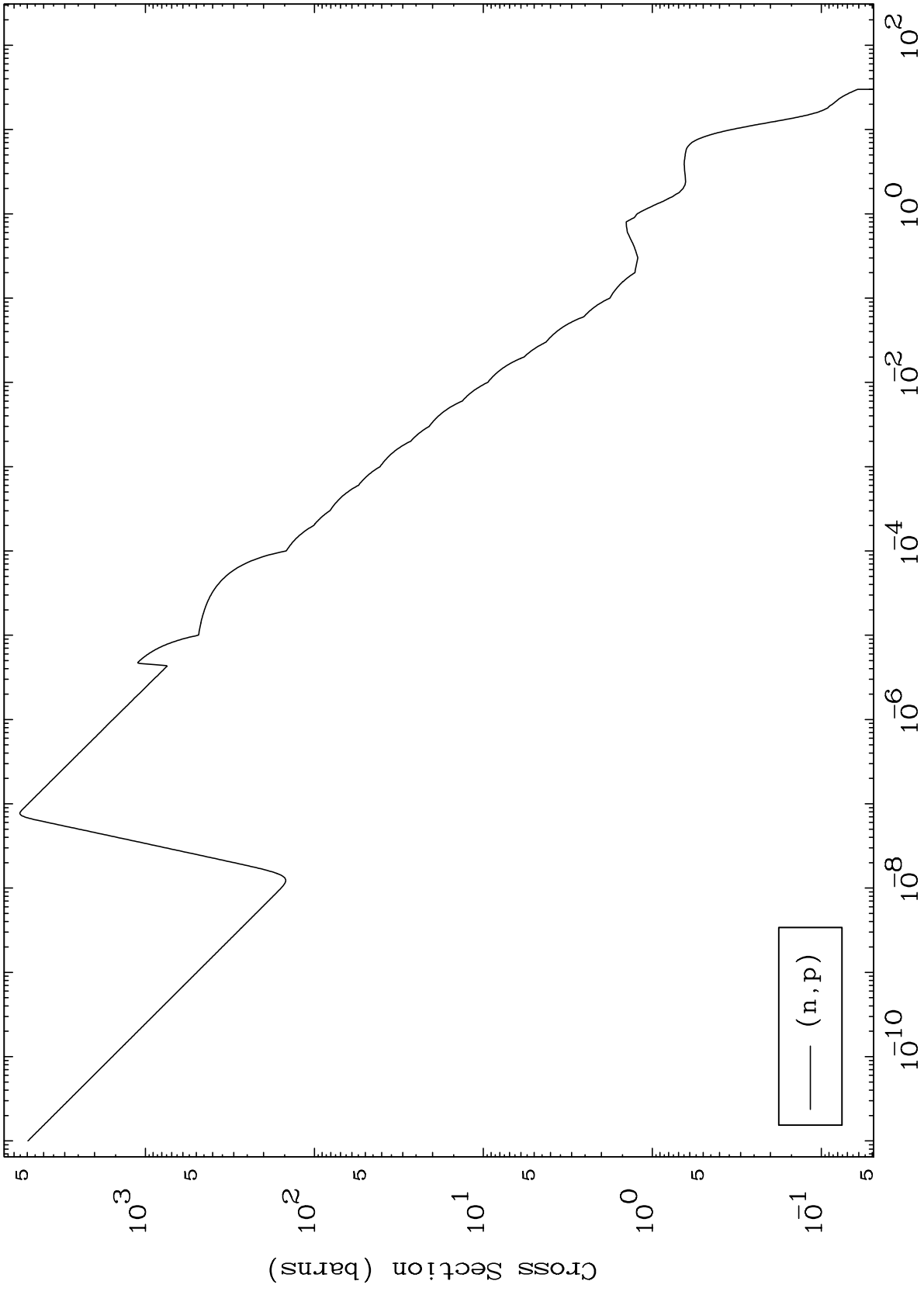
Incident Energy (MeV)

69-Tm-154

MAT 6880

(n,p) Levels  
293 Kelvin Cross Sections

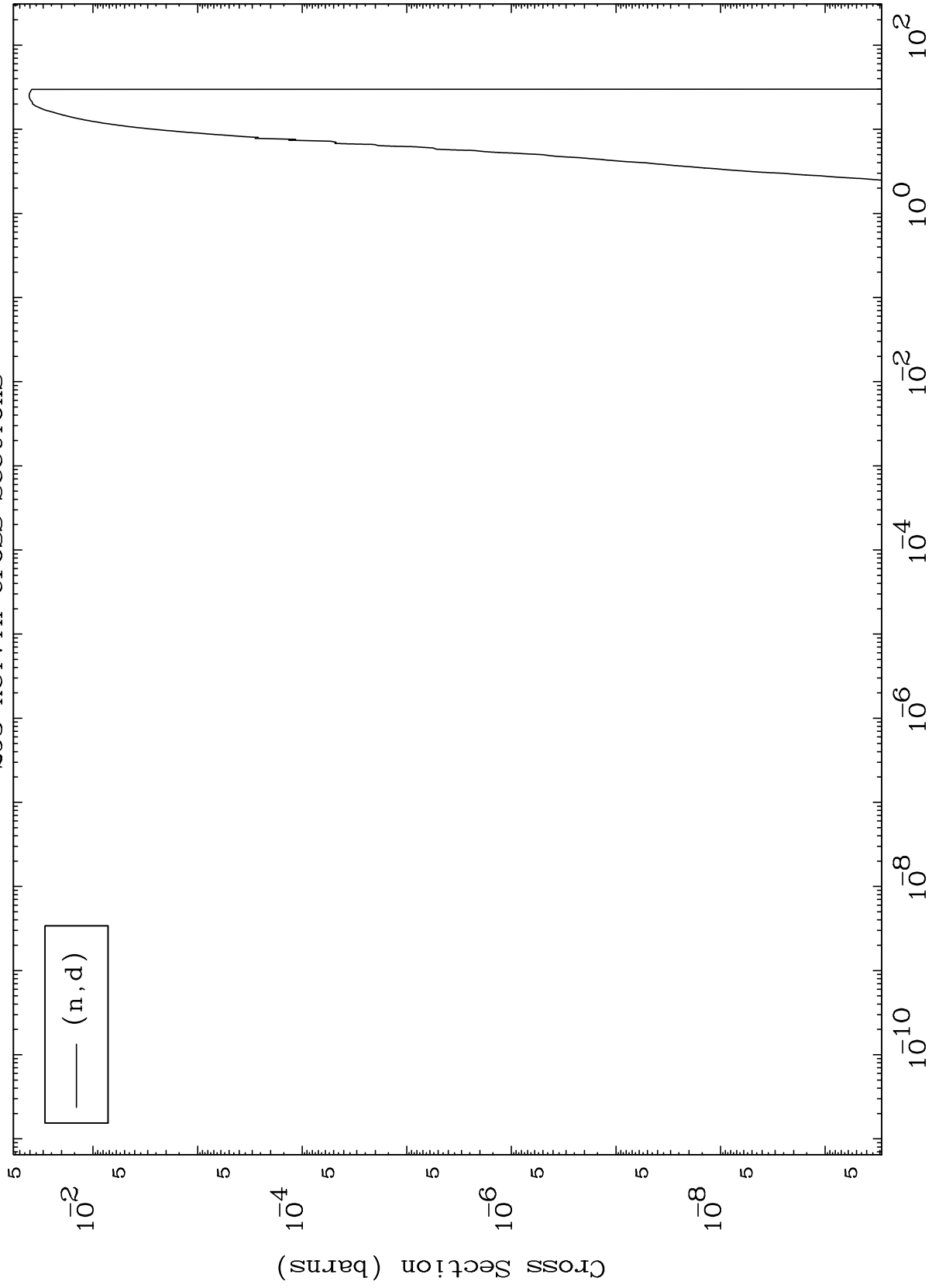
69-Tm-154



MAT 6880

(n,d) Levels  
293 Kelvin Cross Sections

69-Tm-154



12

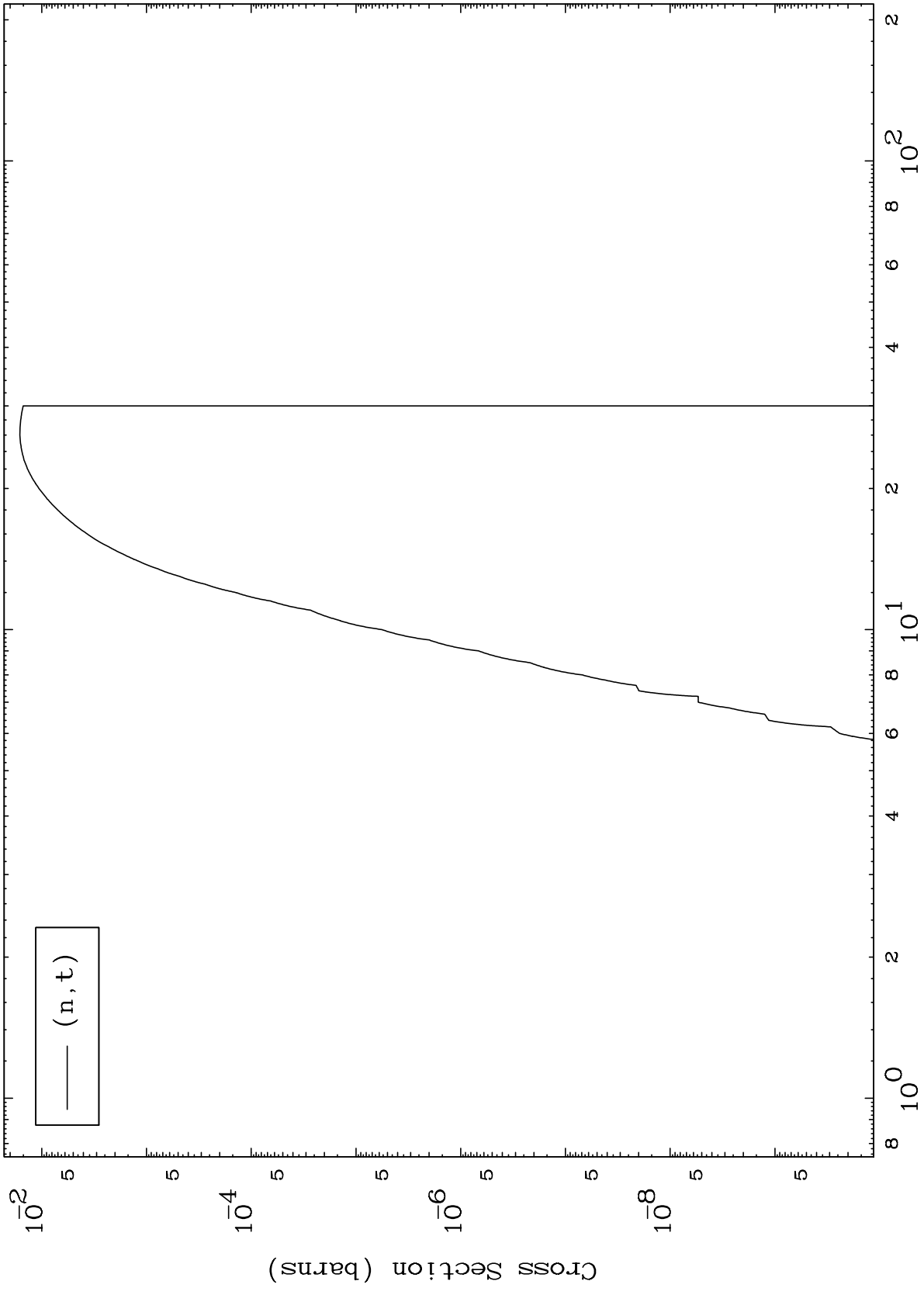
Incident Energy (MeV)

69-Tm-154

MAT 6880

(n,t) Levels  
293 Kelvin Cross Sections

69-Tm-154



13

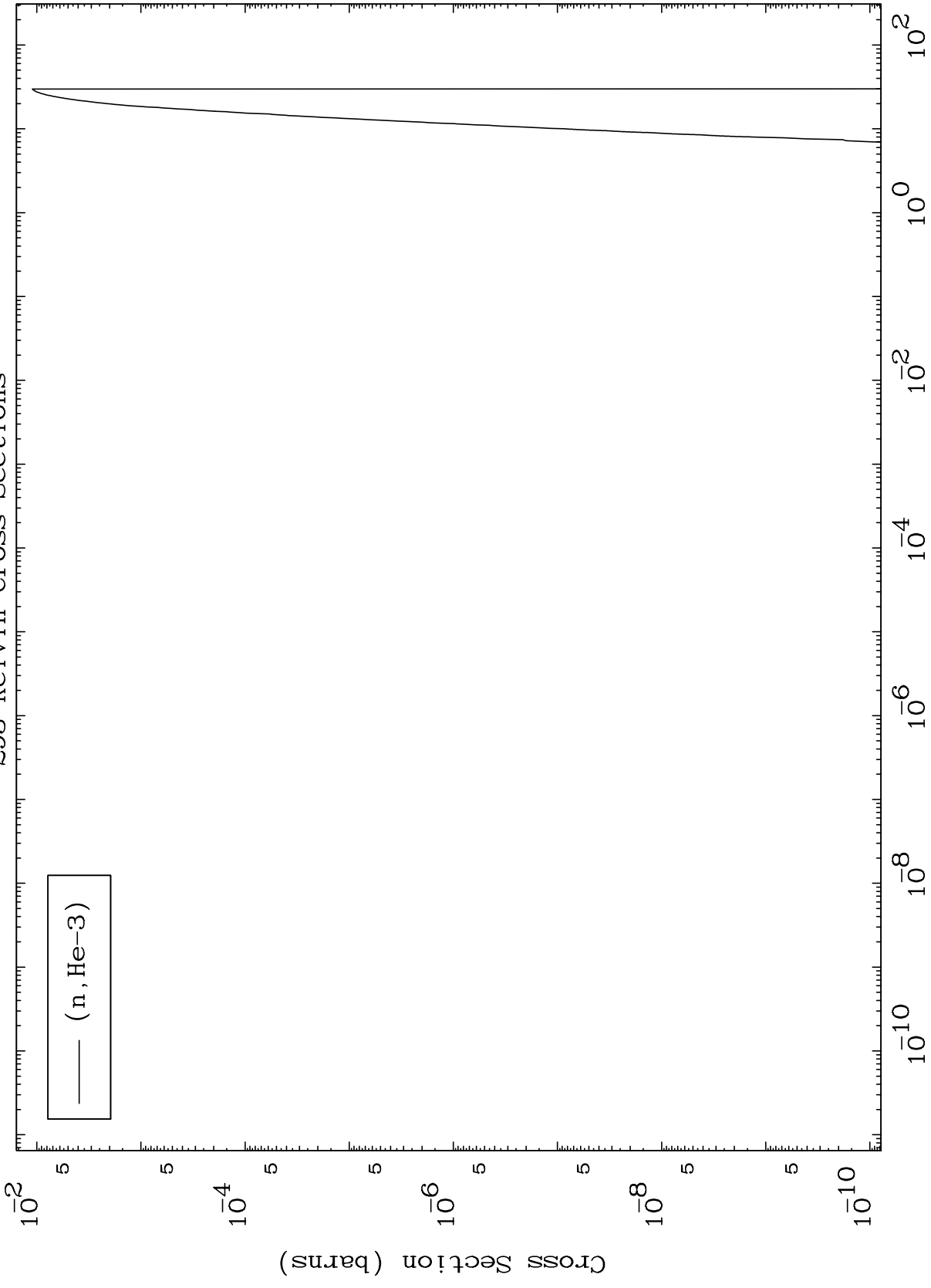
Incident Energy (MeV)

69-Tm-154

MAT 6880

(n,He3) Levels  
293 Kelvin Cross Sections

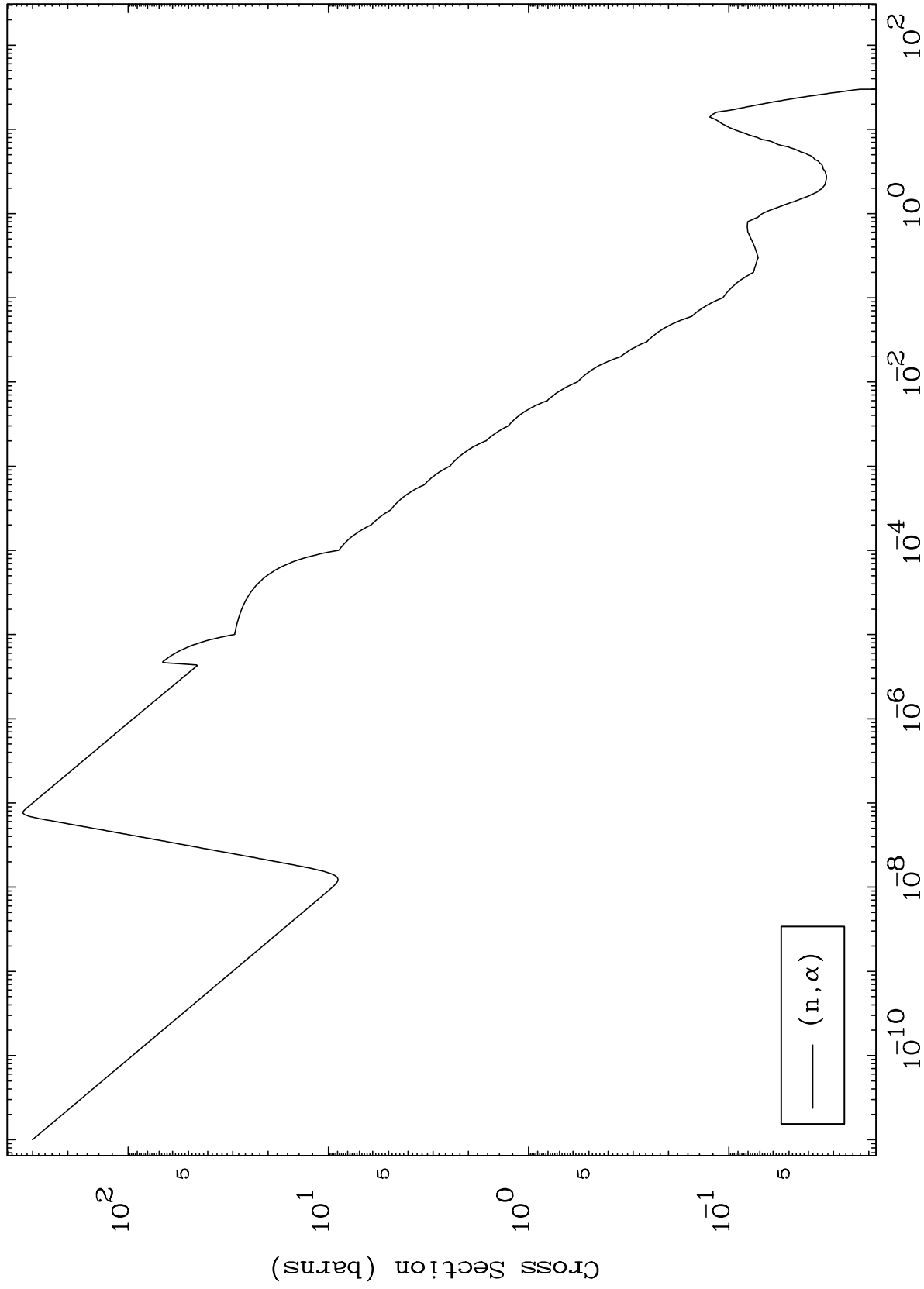
69-Tm-154



MAT 6880

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

69-Tm-154

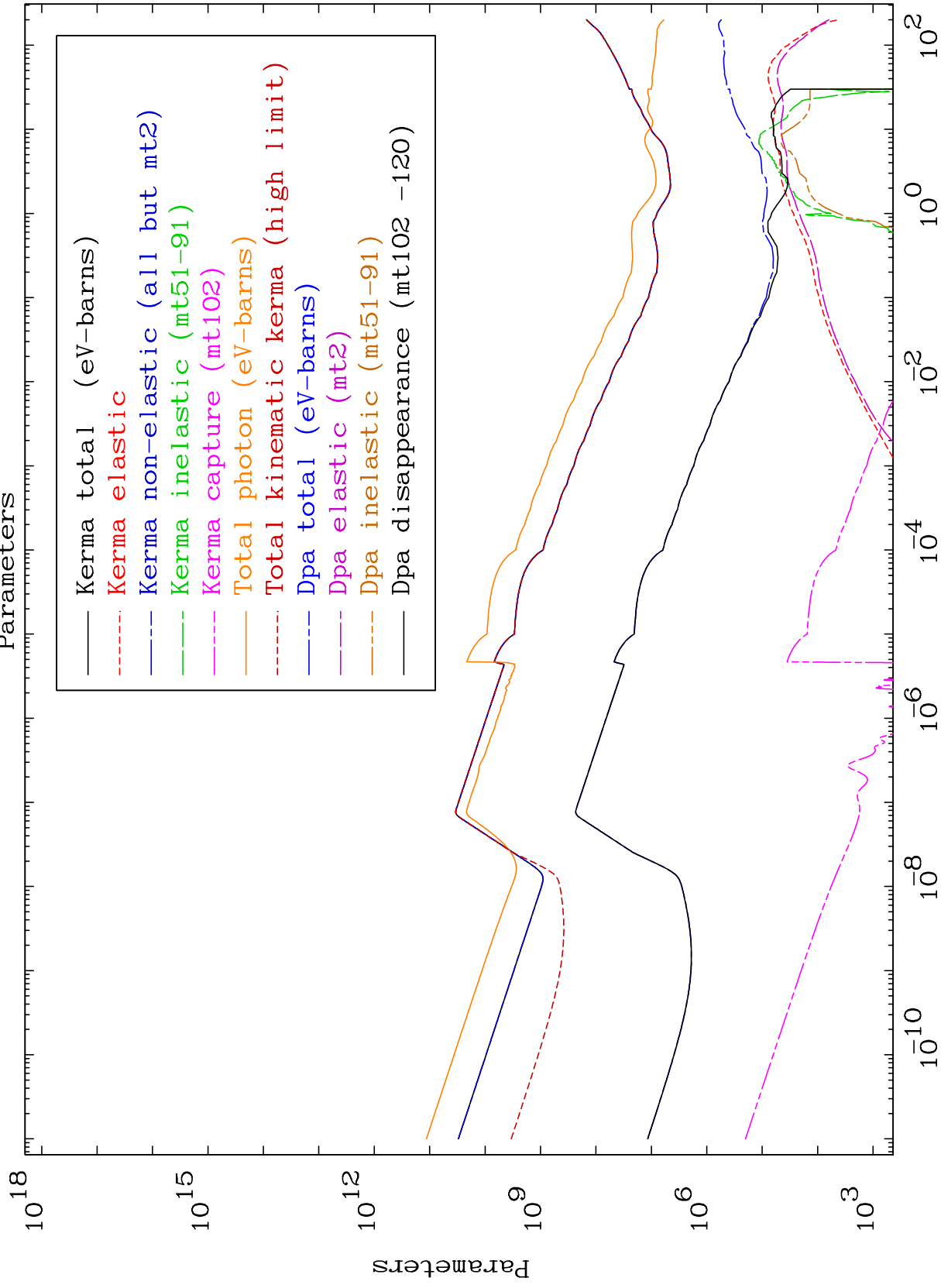


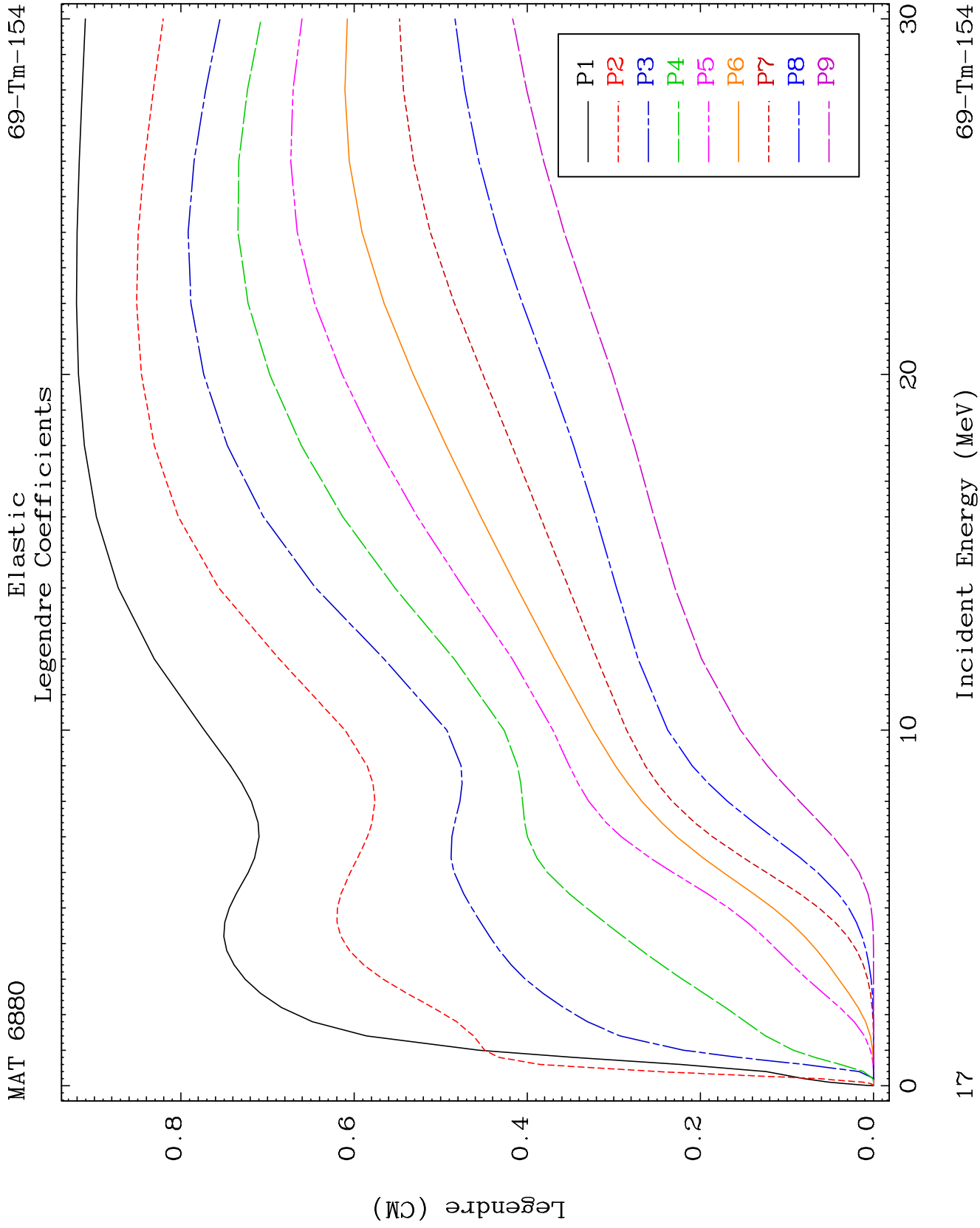
15

Incident Energy (MeV)

69-Tm-154



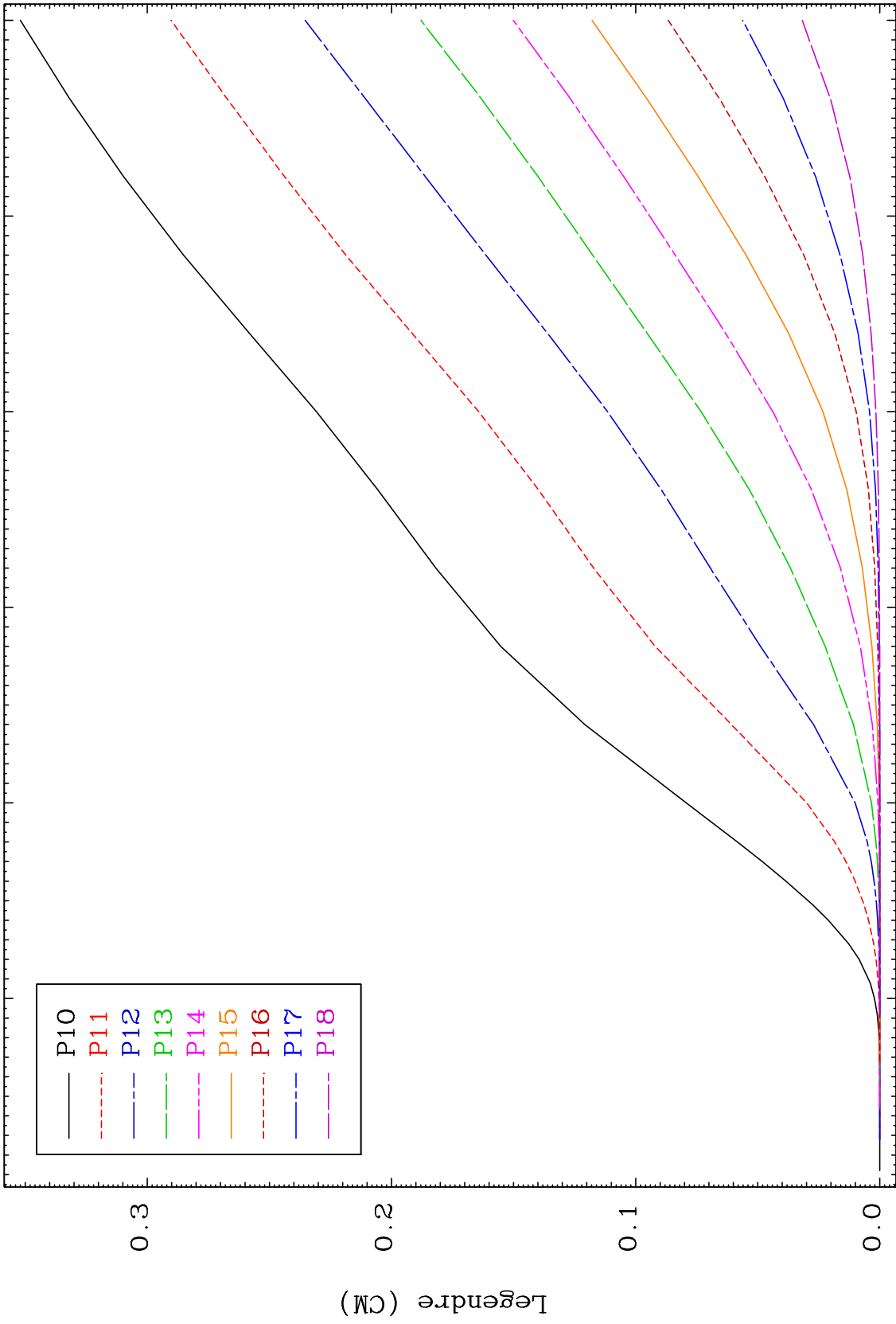




MAT 6880

Elastic Legendre Coefficients

69-Tm-154



18

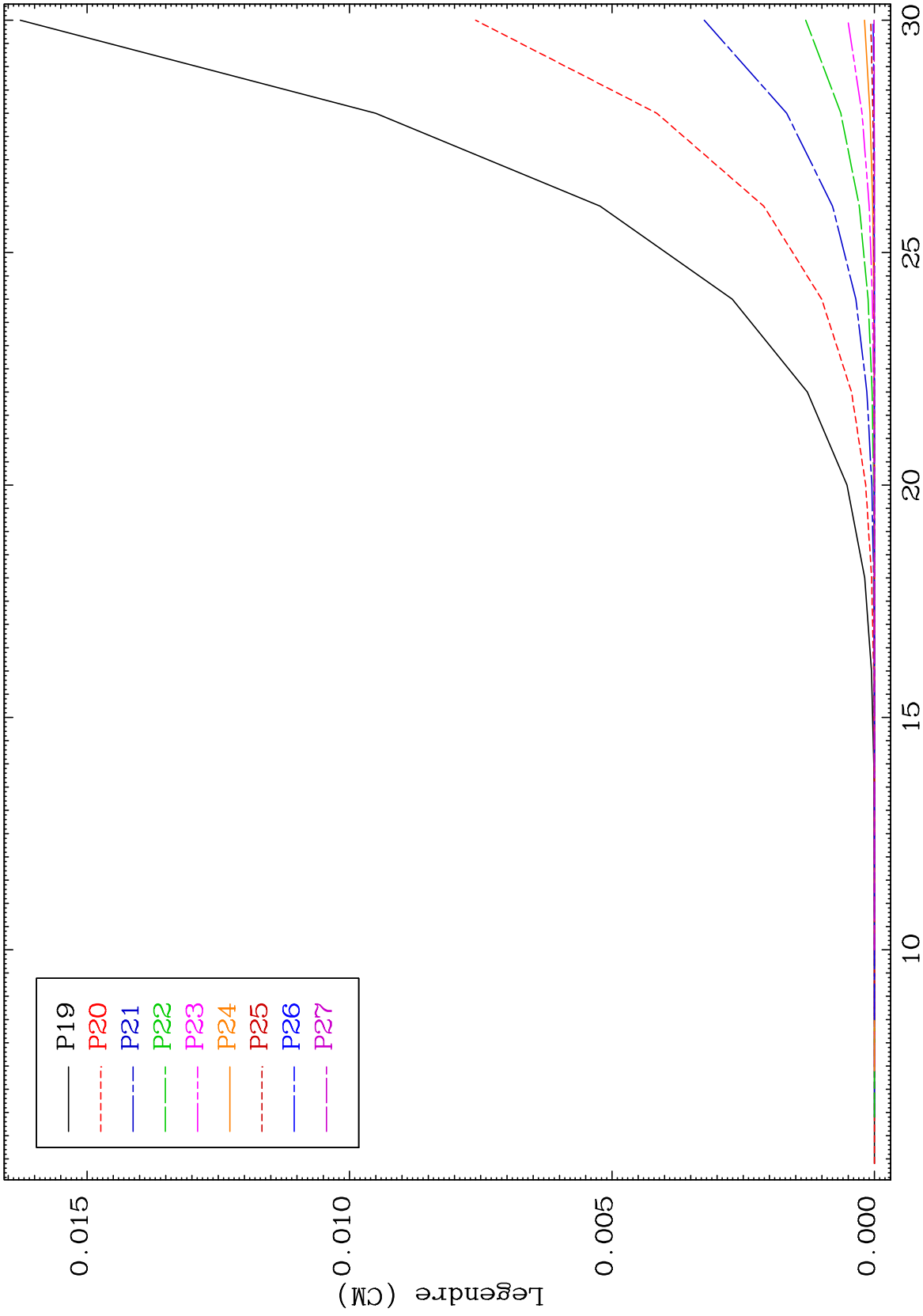
Incident Energy (MeV)

69-Tm-154

MAT 6880

Elastic Legendre Coefficients

69-Tm-154



19

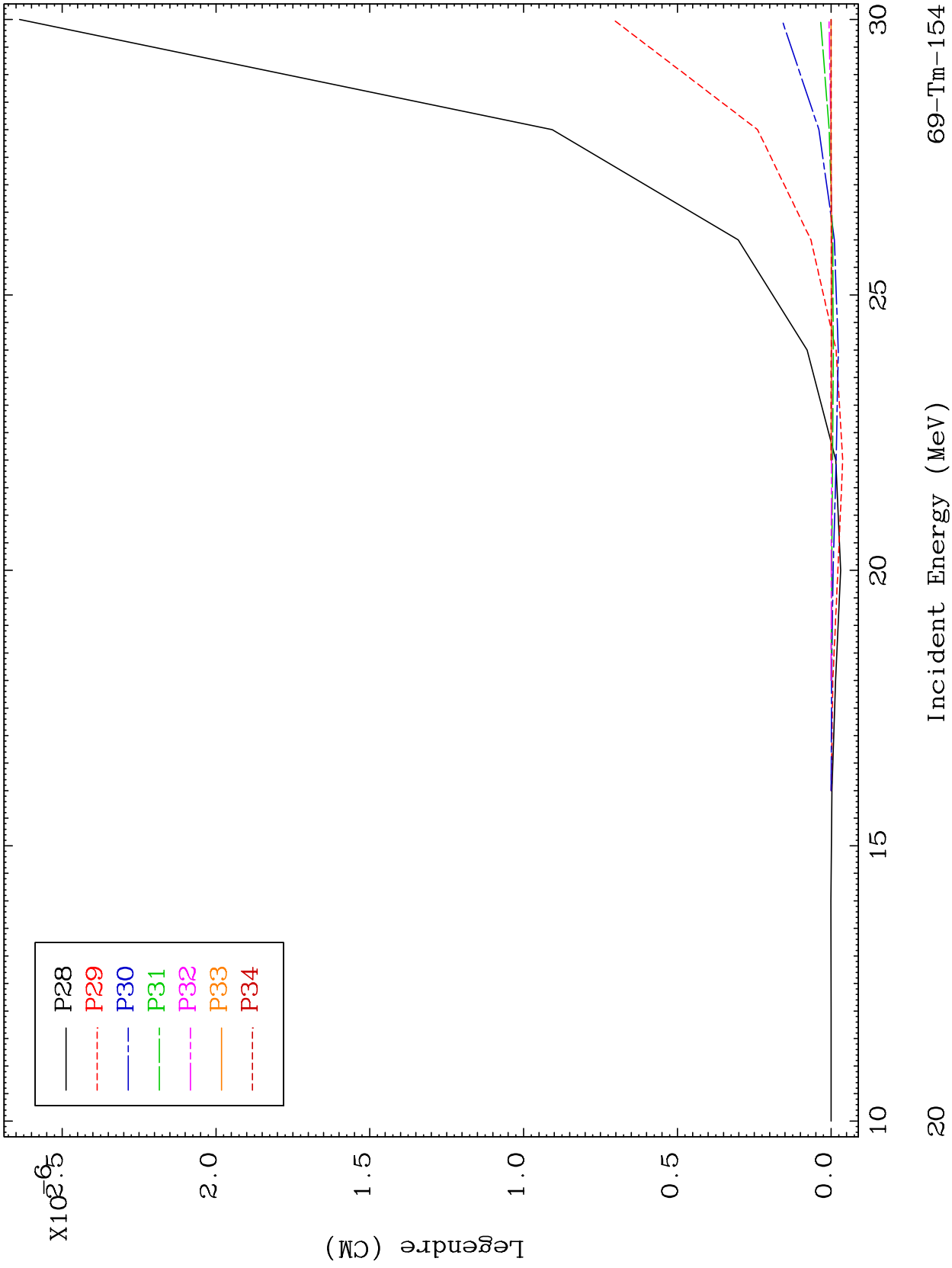
Incident Energy (MeV)

69-Tm-154

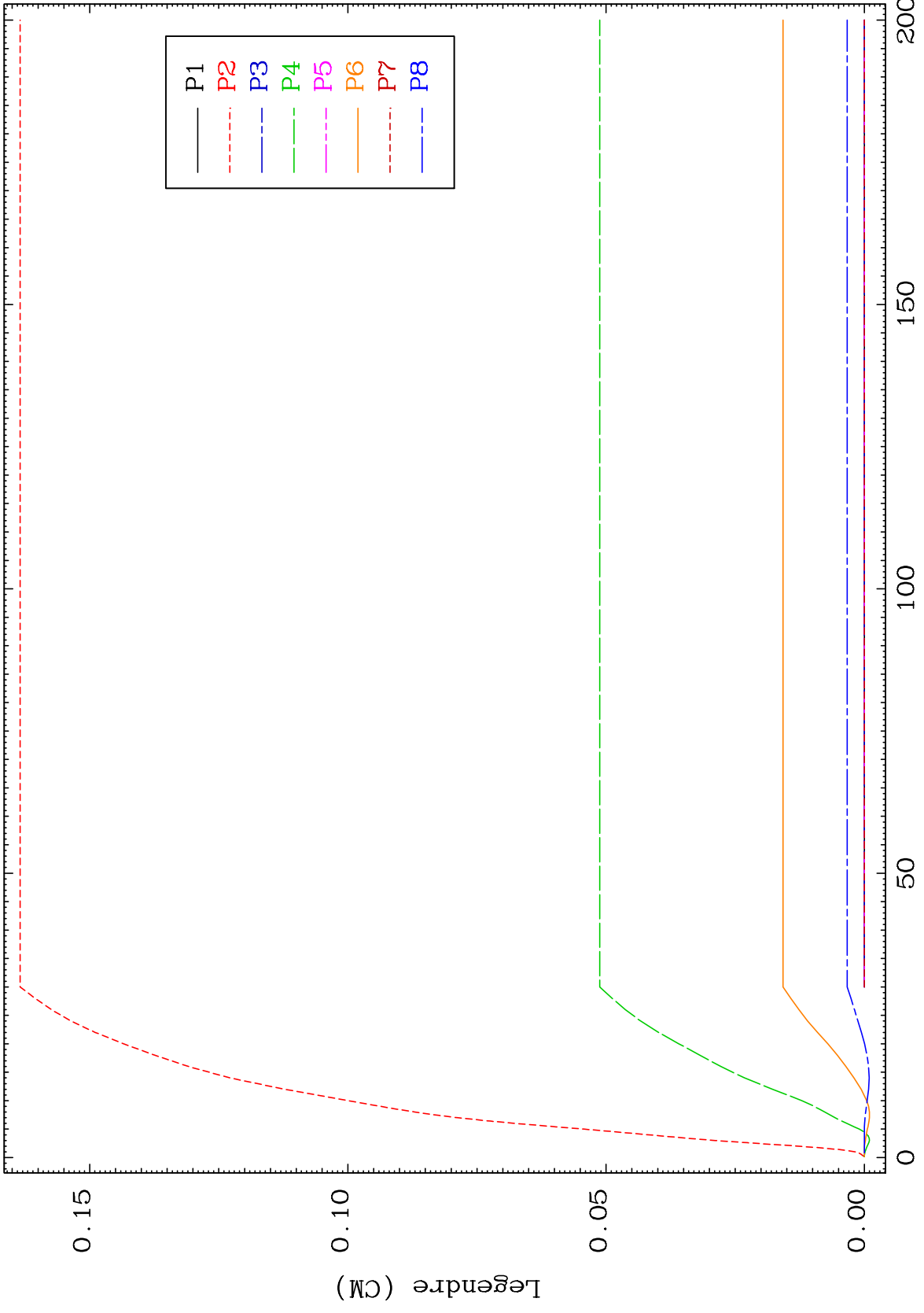
MAT 6880

Elastic Legendre Coefficients

69-Tm-154

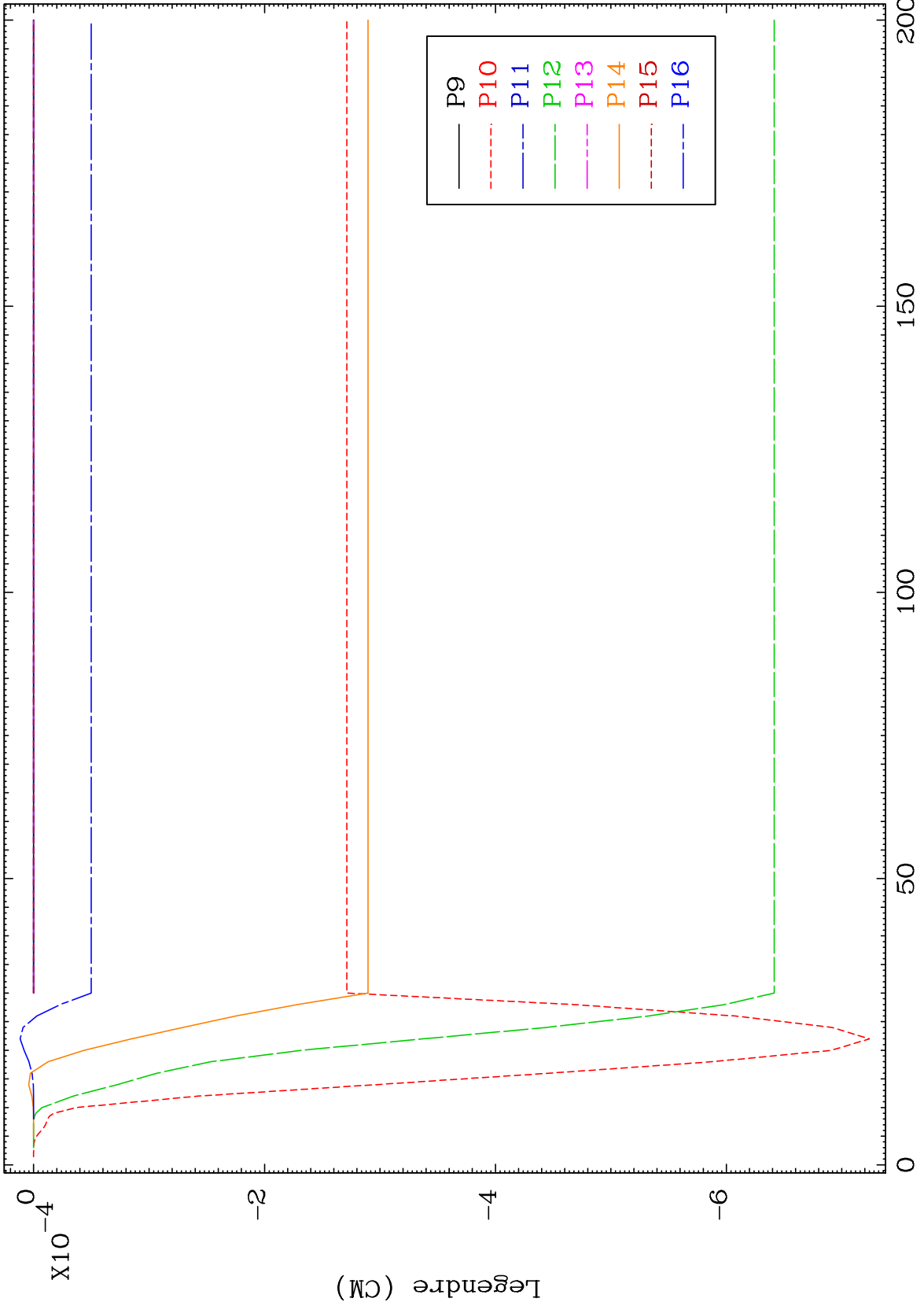


MAT 6880 MT= 51 (n,n') Level Legendre Coefficients 69-Tm-154



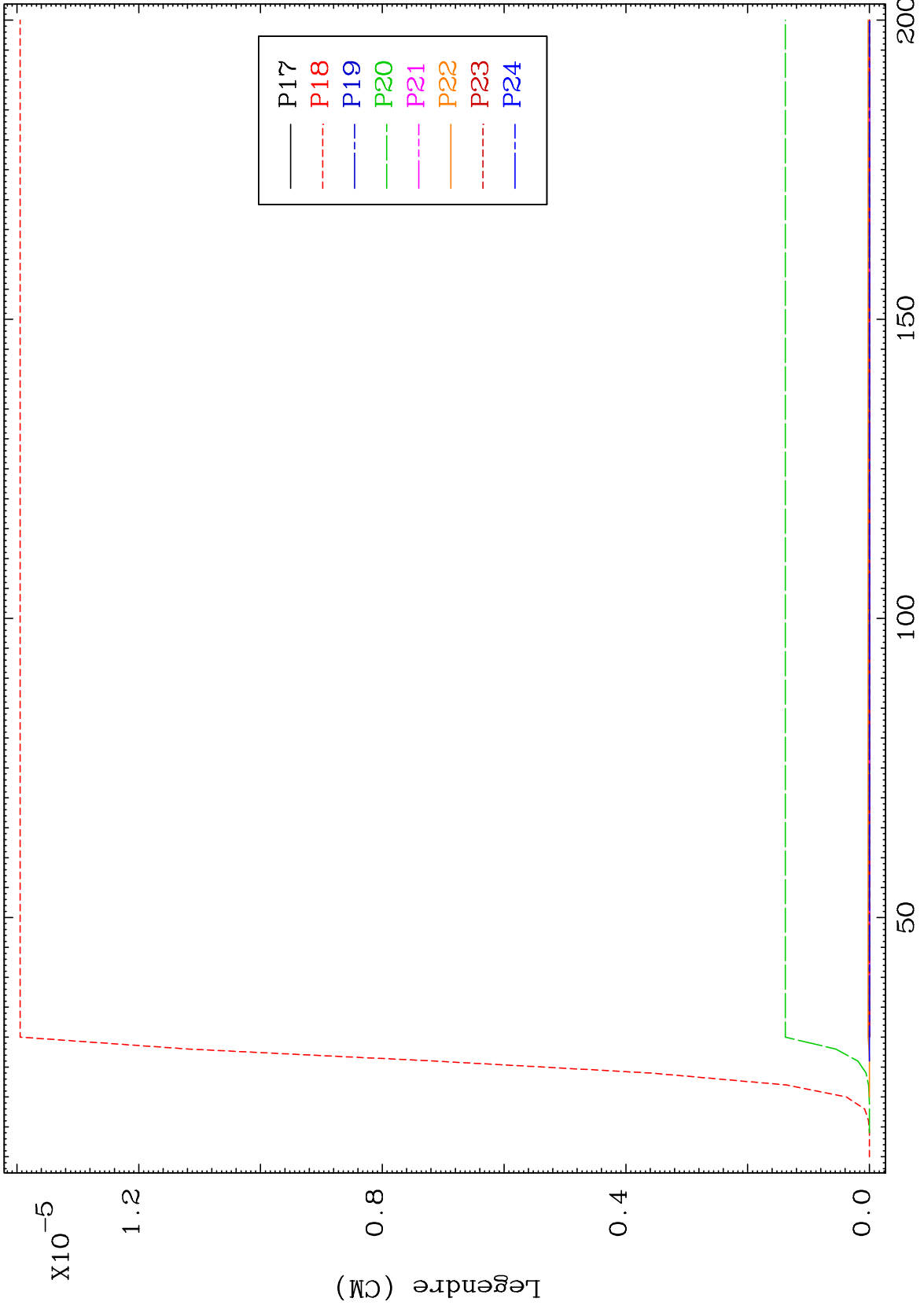
21 69-Tm-154

MAT 6880 MT= 51 (n,n') Level Legendre Coefficients 69-Tm-154



22 69-Tm-154

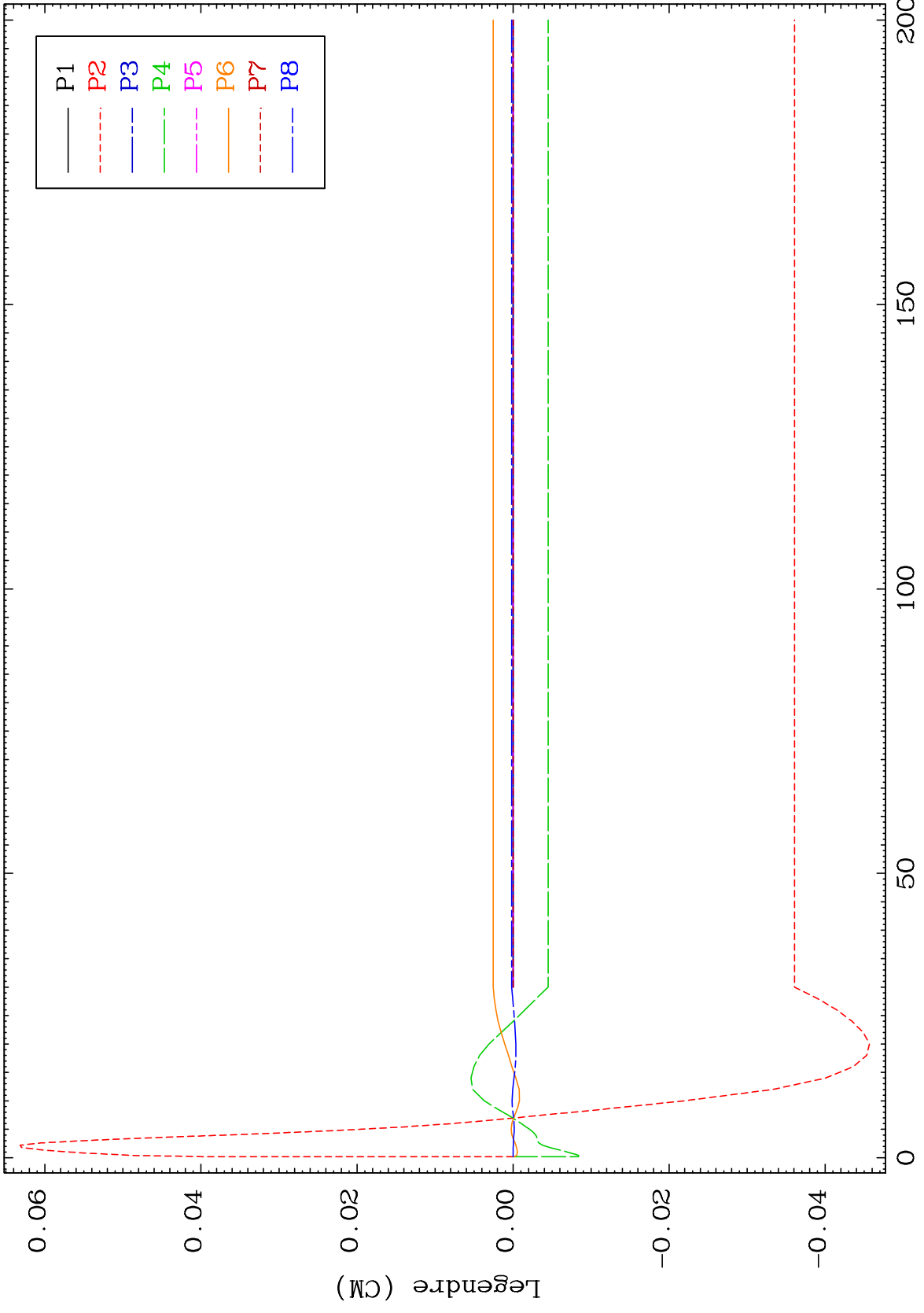
MAT 6880 MT= 51 (n,n') Level Legendre Coefficients 69-Tm-154



23 50 100 150 200 69-Tm-154



MAT 6880 MT= 52 (n,n') Level Legendre Coefficients 69-Tm-154

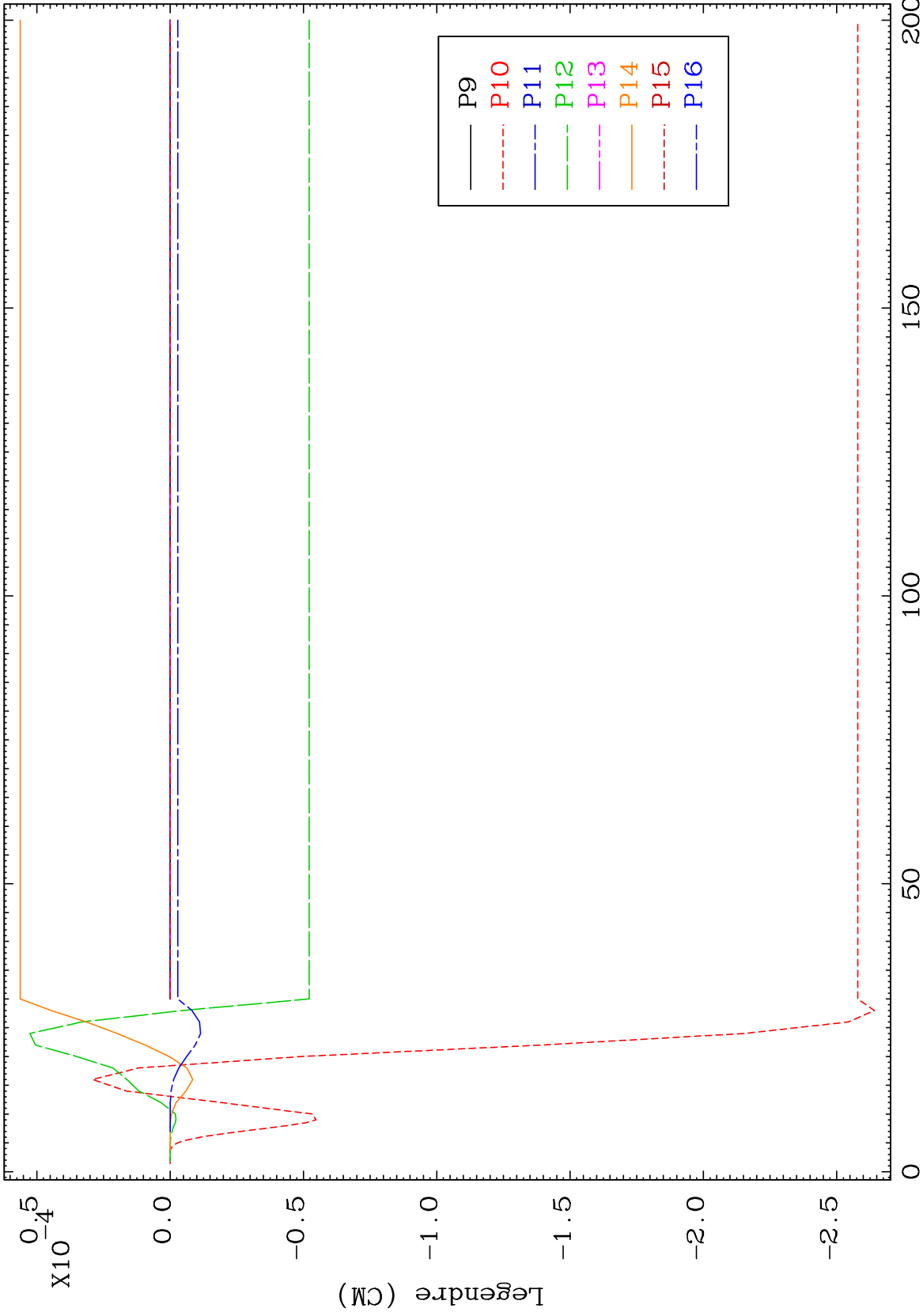


24 69-Tm-154

MAT 6880

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

69-Tm-154

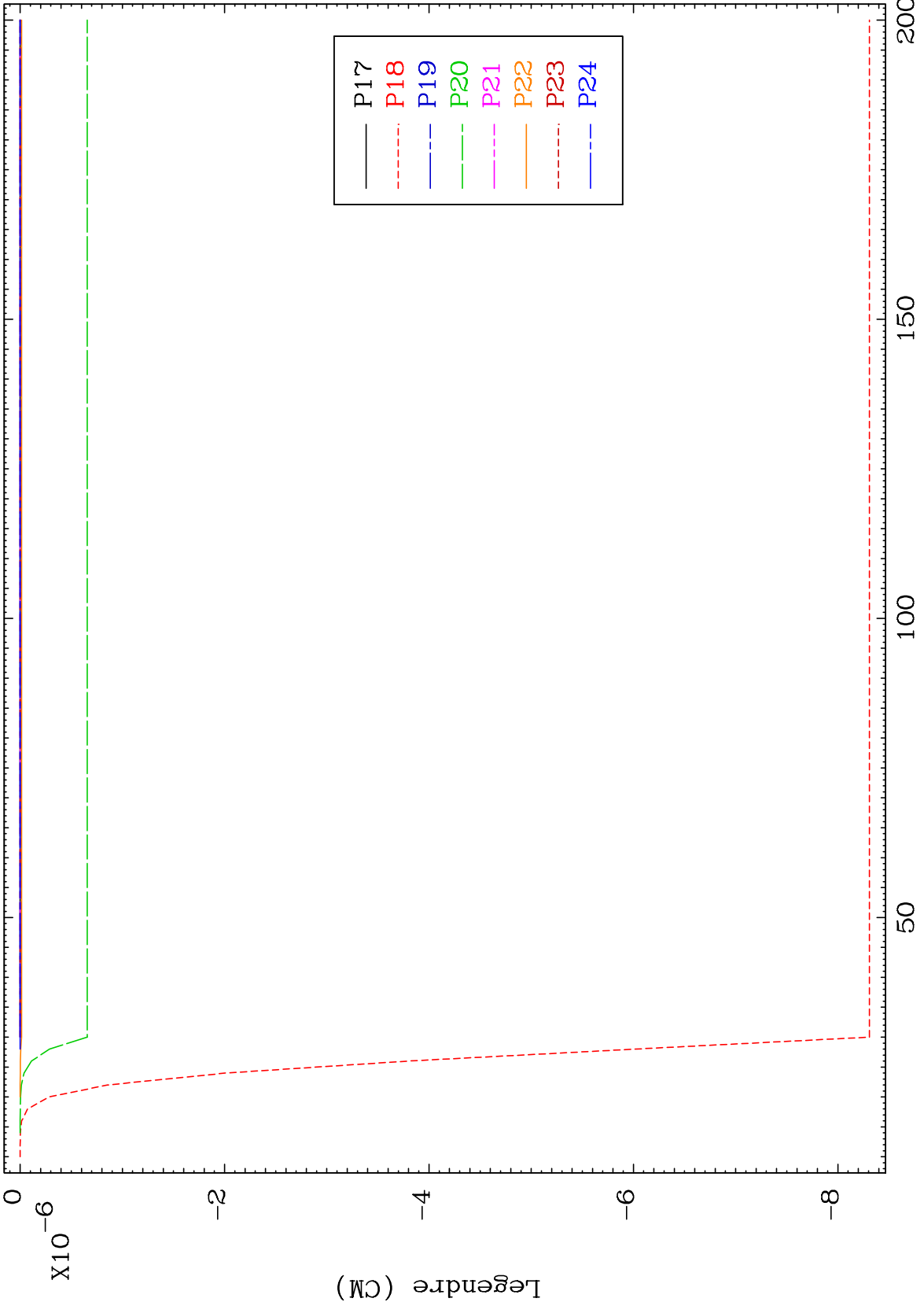


25

Incident Energy (MeV)

69-Tm-154

MAT 6880 MT= 52 (n,n') Level Legendre Coefficients 69-Tm-154

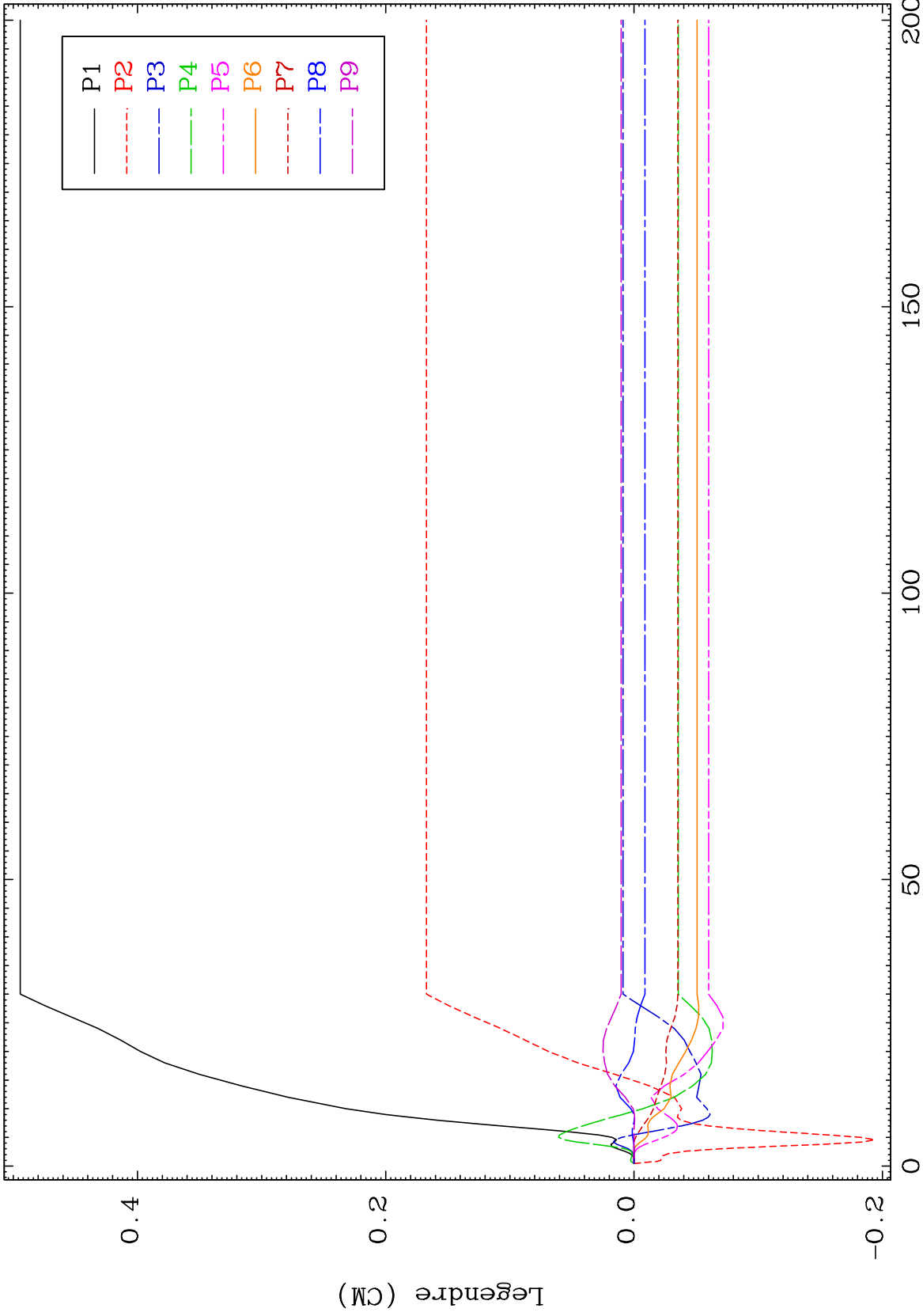


26 69-Tm-154

MAT 6880

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

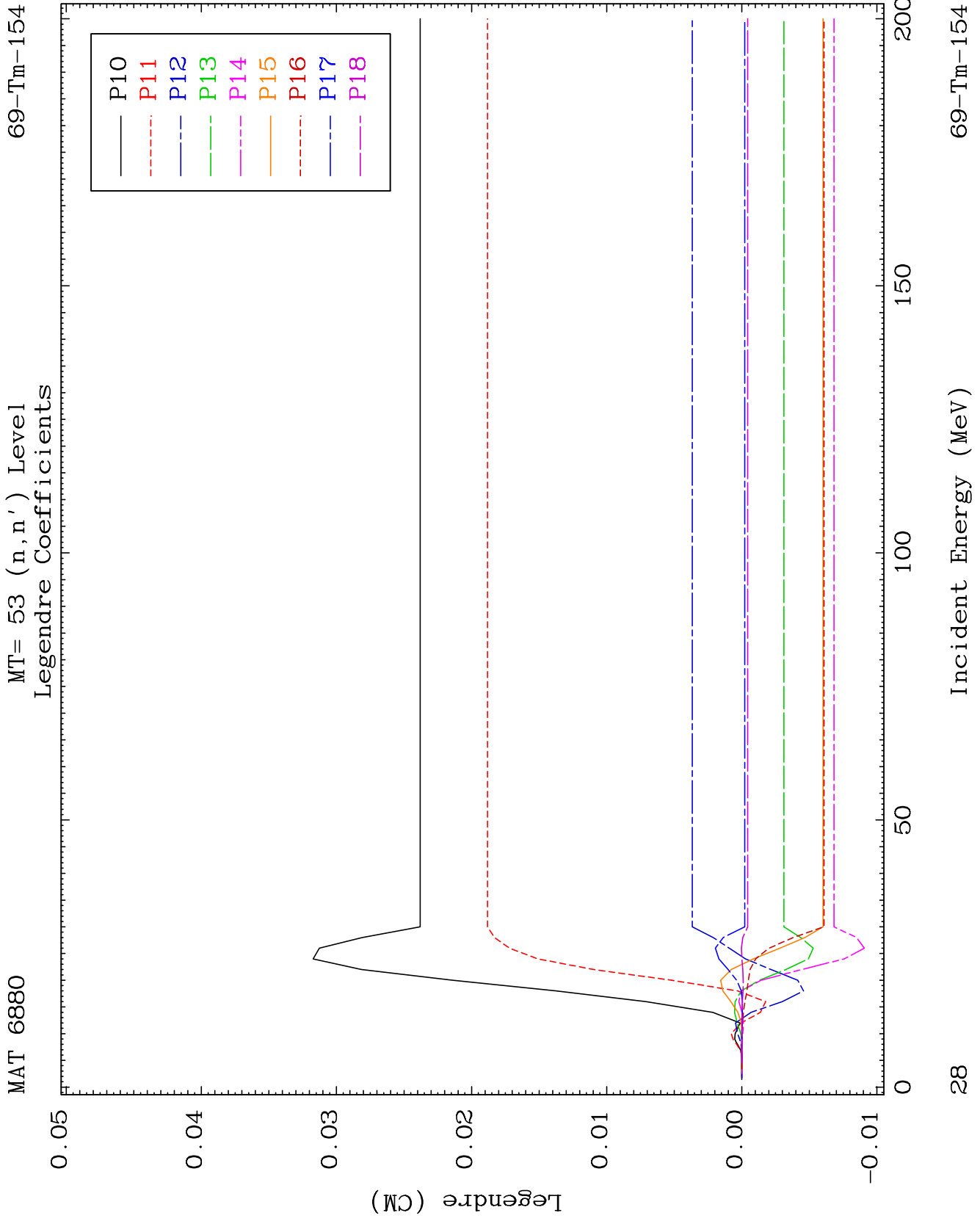
69-Tm-154



27

Incident Energy (MeV)

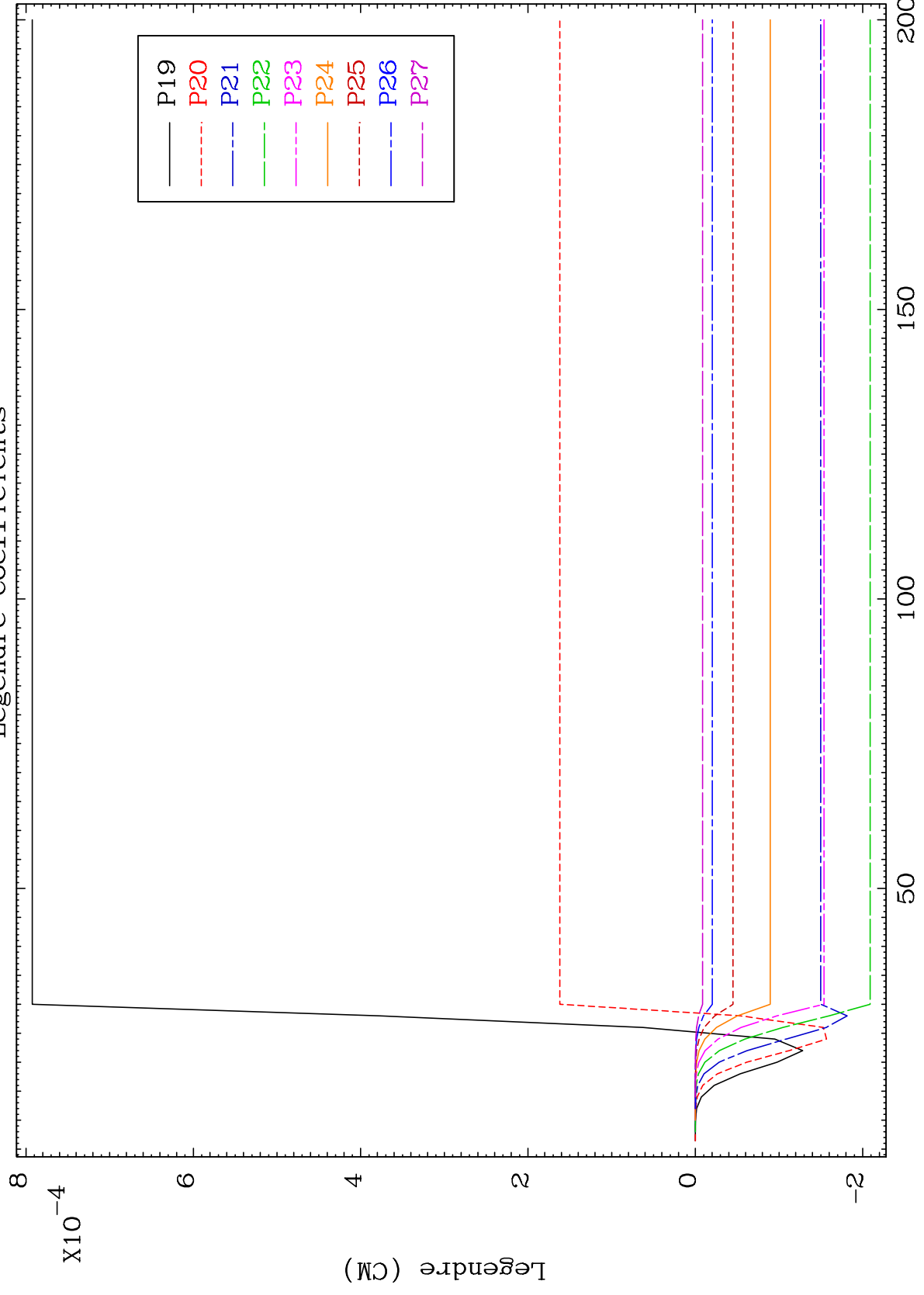
69-Tm-154



MAT 6880

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

69-Tm-154



29

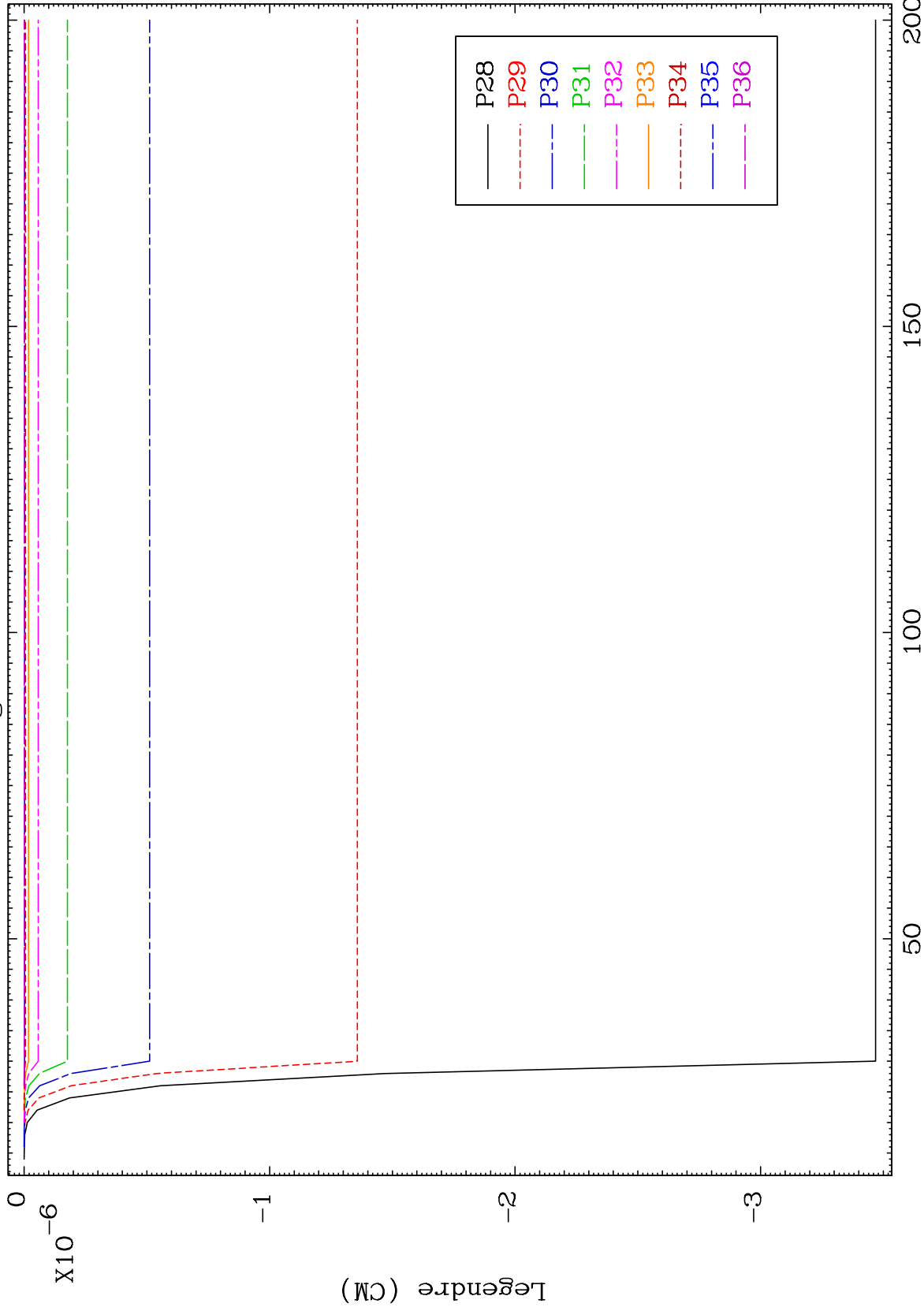
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154

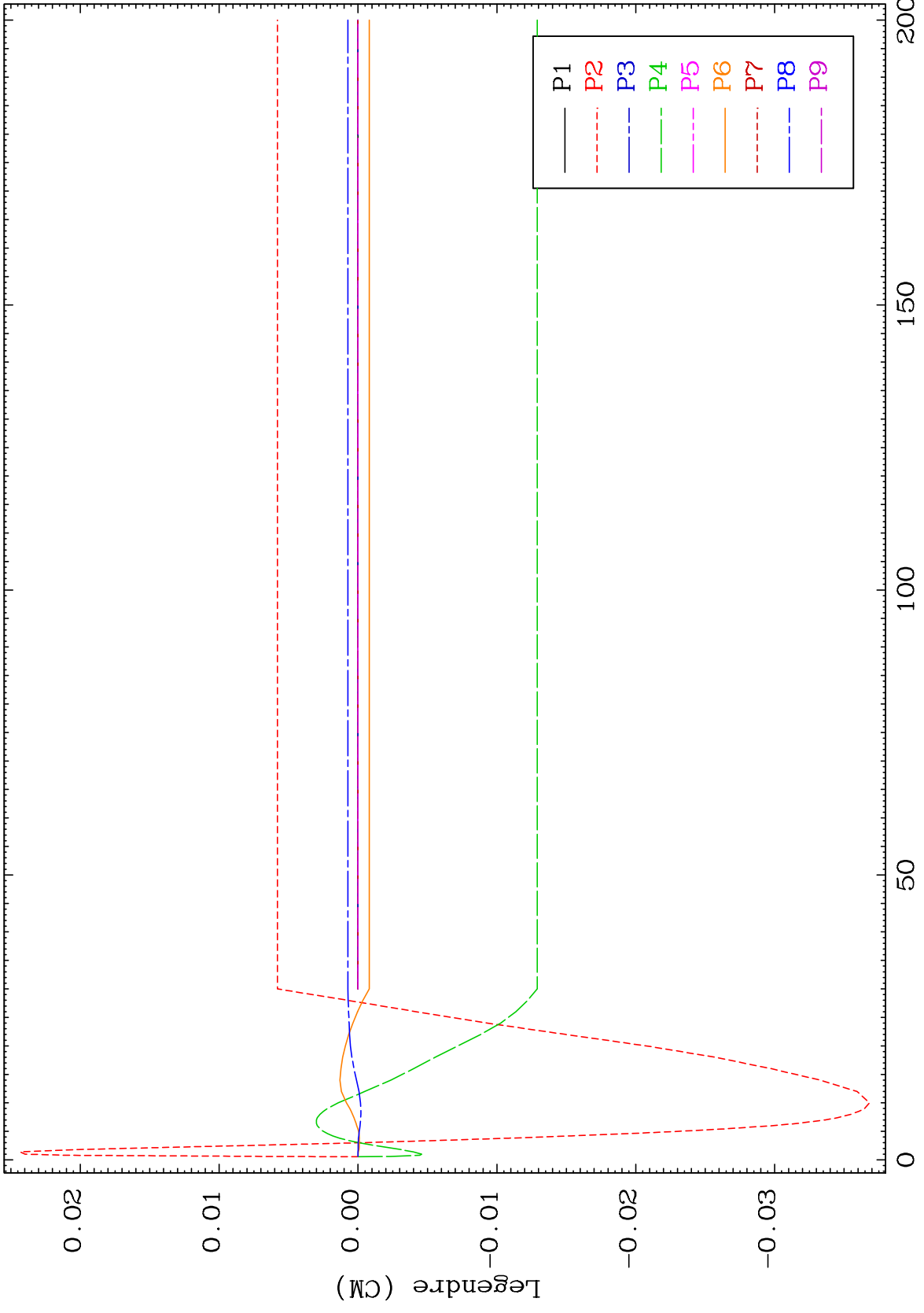


69-Tm-154

Incident Energy (MeV)

30

MAT 6880 MT= 54 (n,n') Level Legendre Coefficients 69-Tm-154



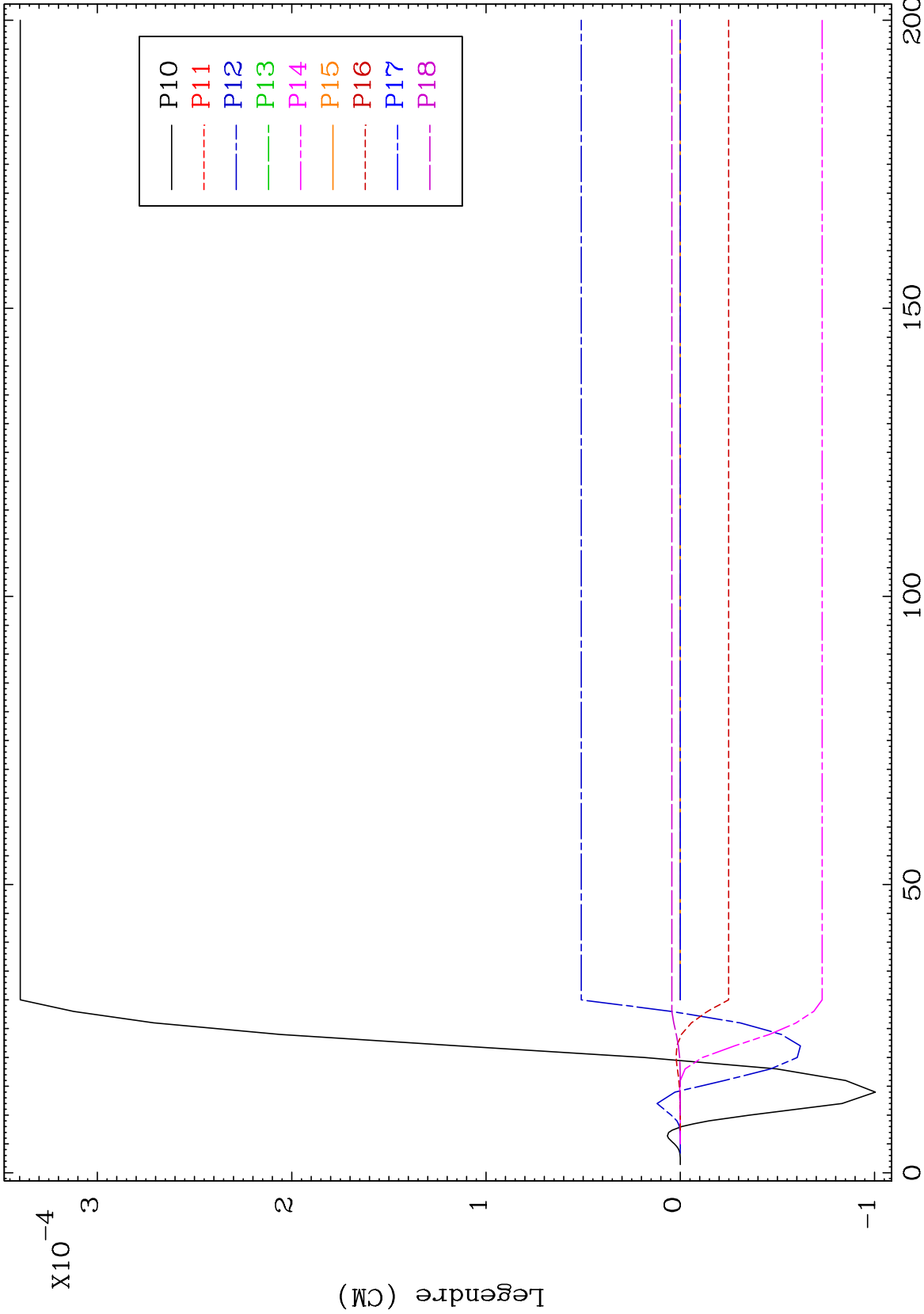
31 69-Tm-154



MAT 6880

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

69-Tm-154

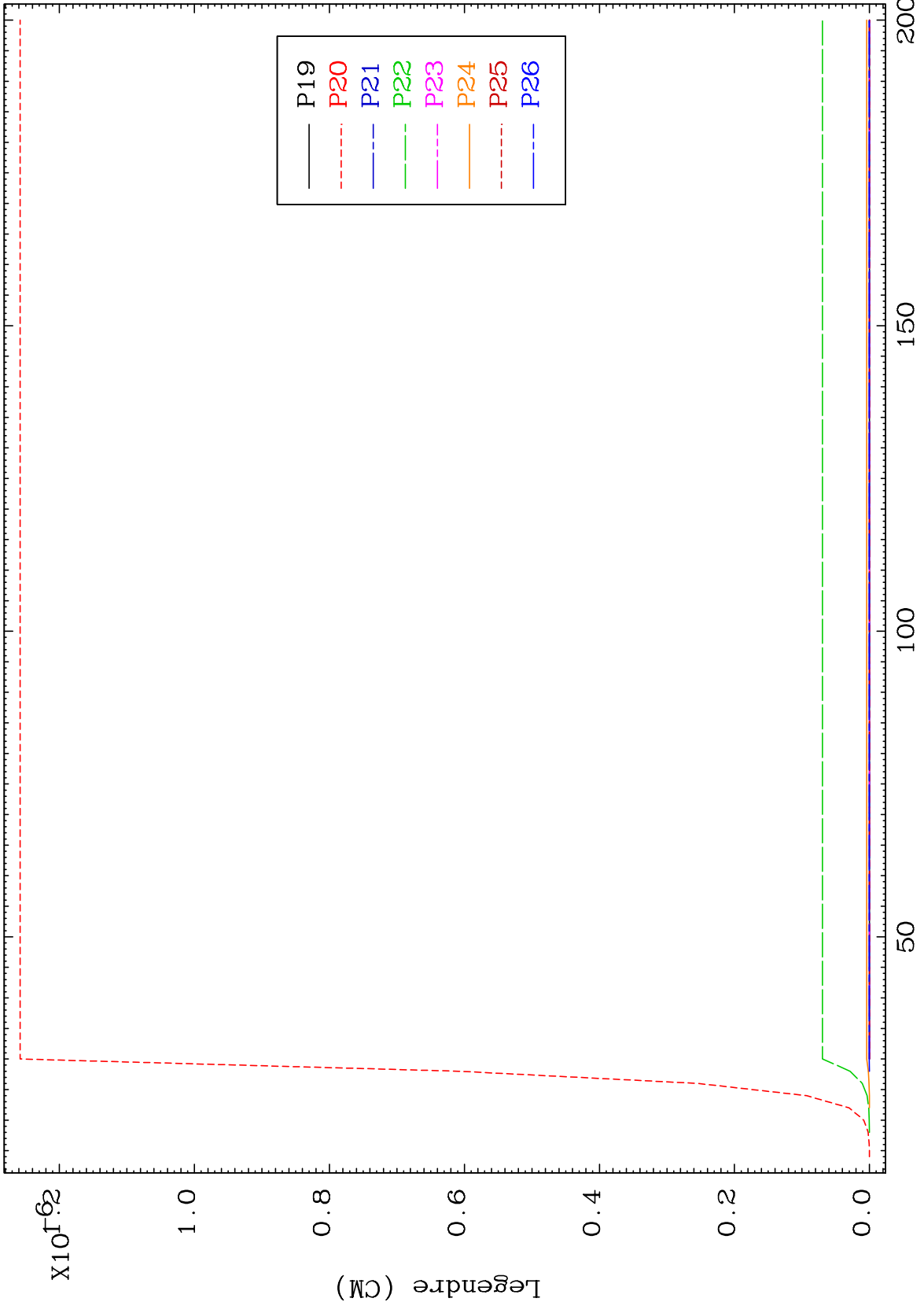


32

Incident Energy (MeV)

69-Tm-154

MAT 6880 MT= 54 (n,n') Level Legendre Coefficients 69-Tm-154

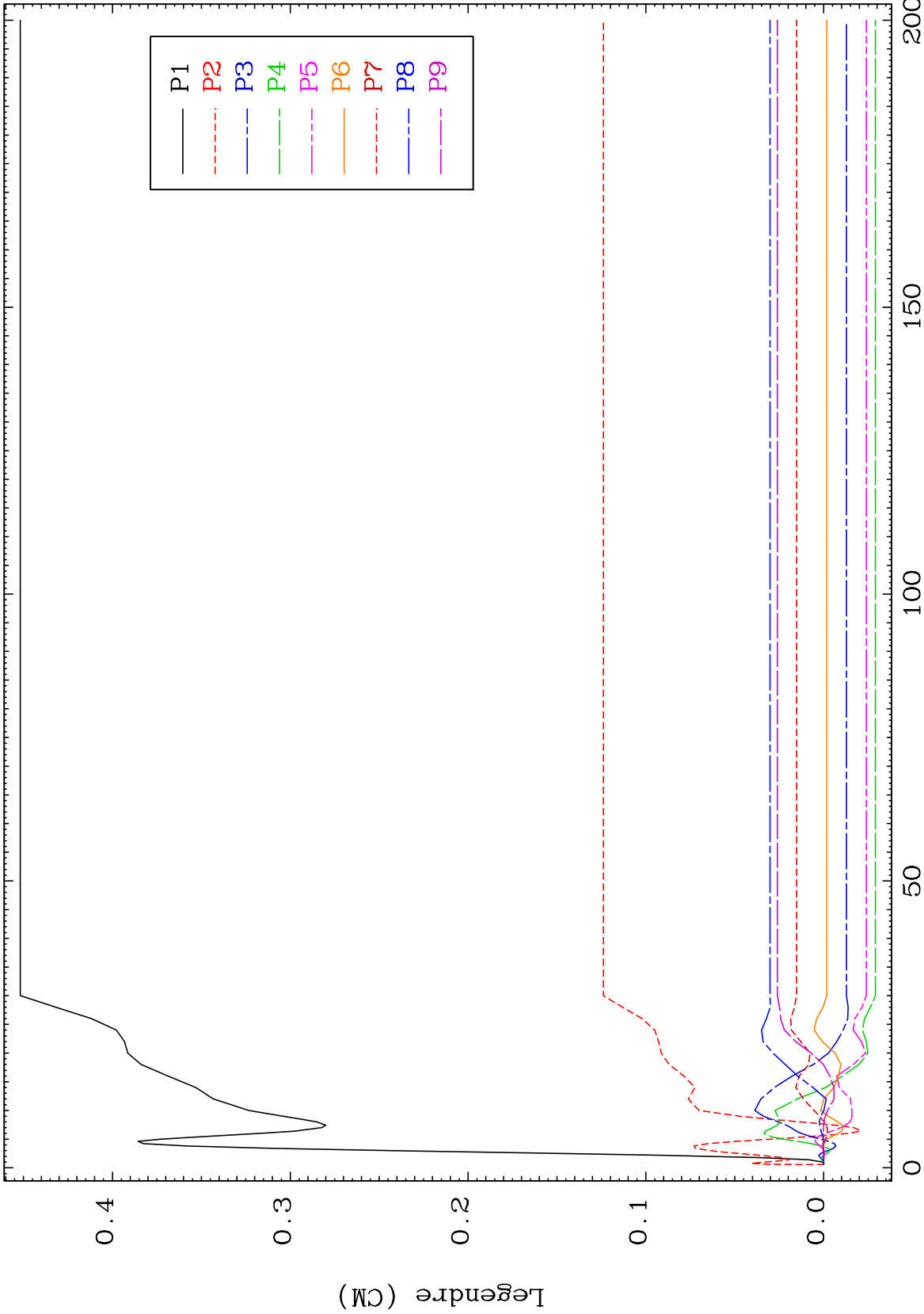


33 50 100 150 200 69-Tm-154

MAT 6880

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

69-Tm-154



34

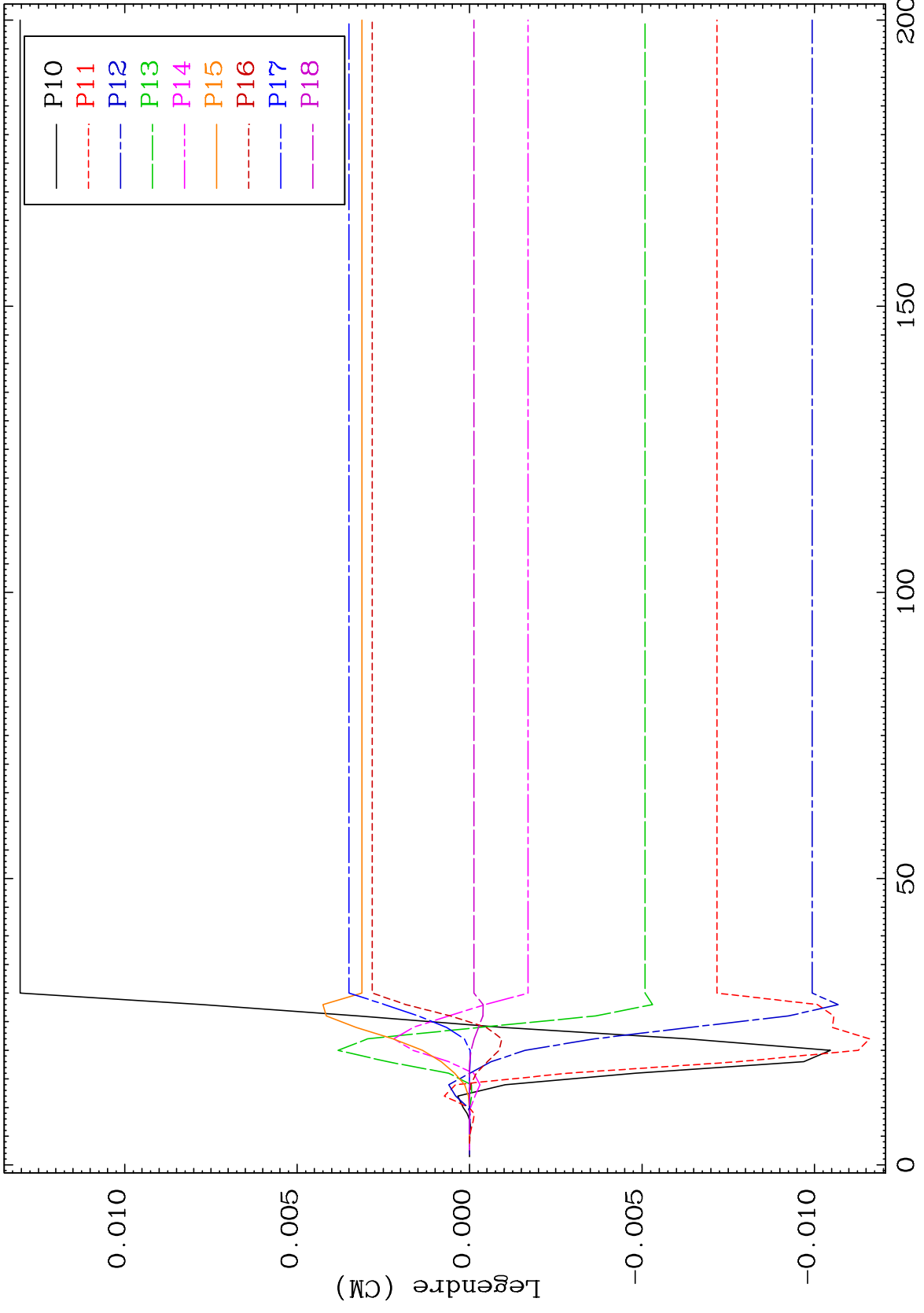
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154



35

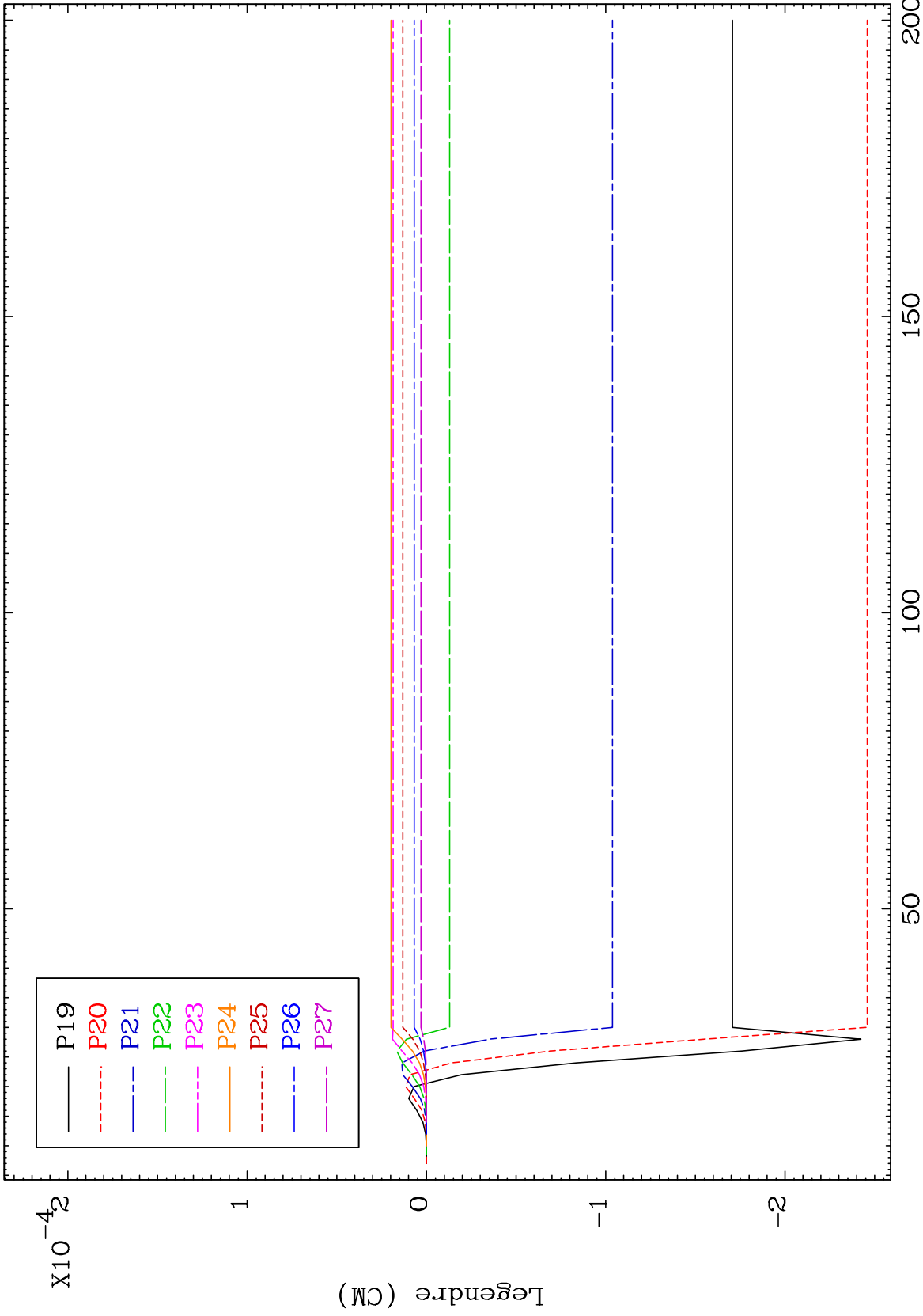
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154



36

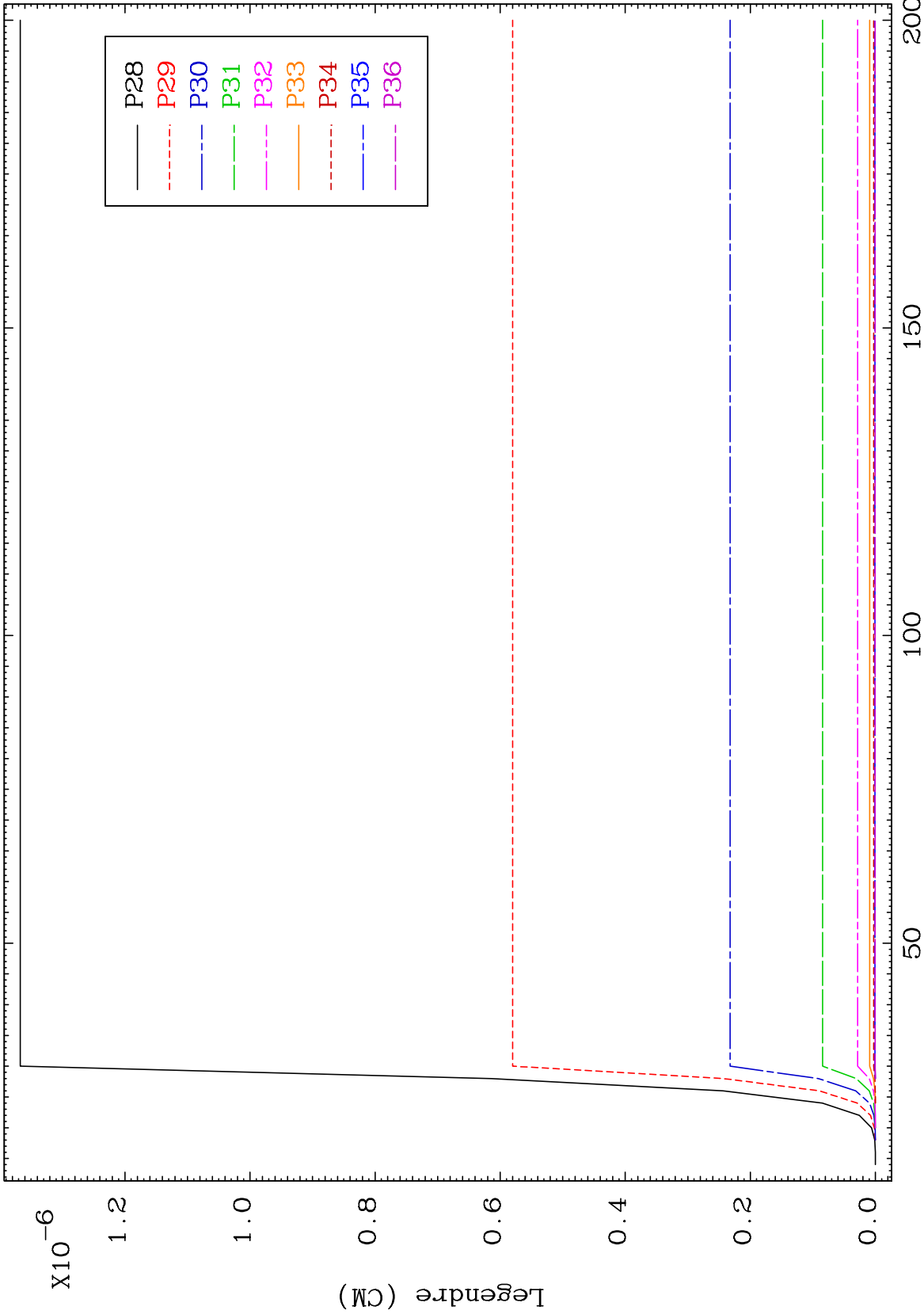
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154



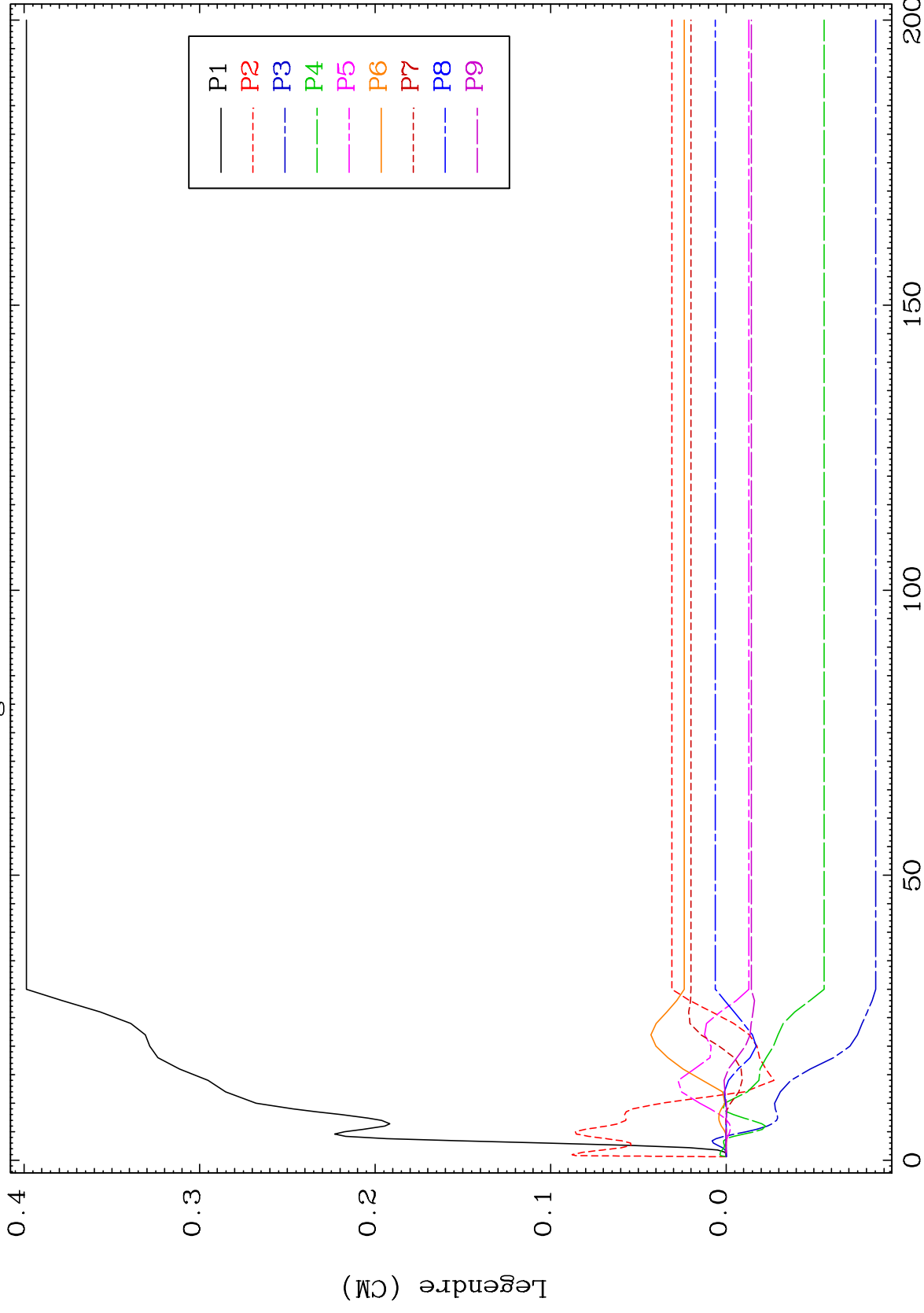
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Incident Energy (MeV)

69-Tm-154

MAT 6880 MT= 56 (n,n') Level Legendre Coefficients

69-Tm-154

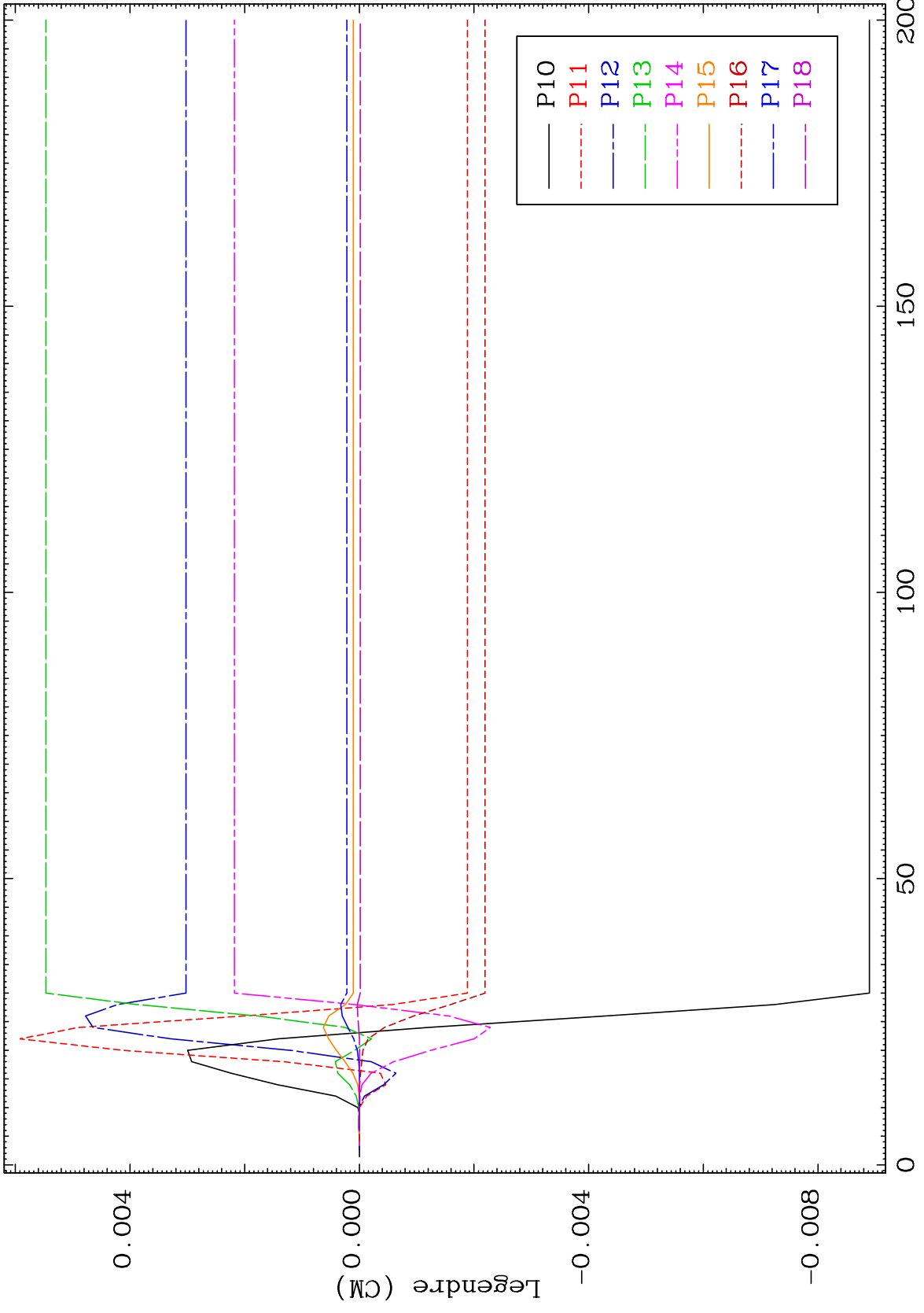


69-Tm-154

Incident Energy (MeV)

38

MAT 6880 MT= 56 (n,n') Level Legendre Coefficients 69-Tm-154



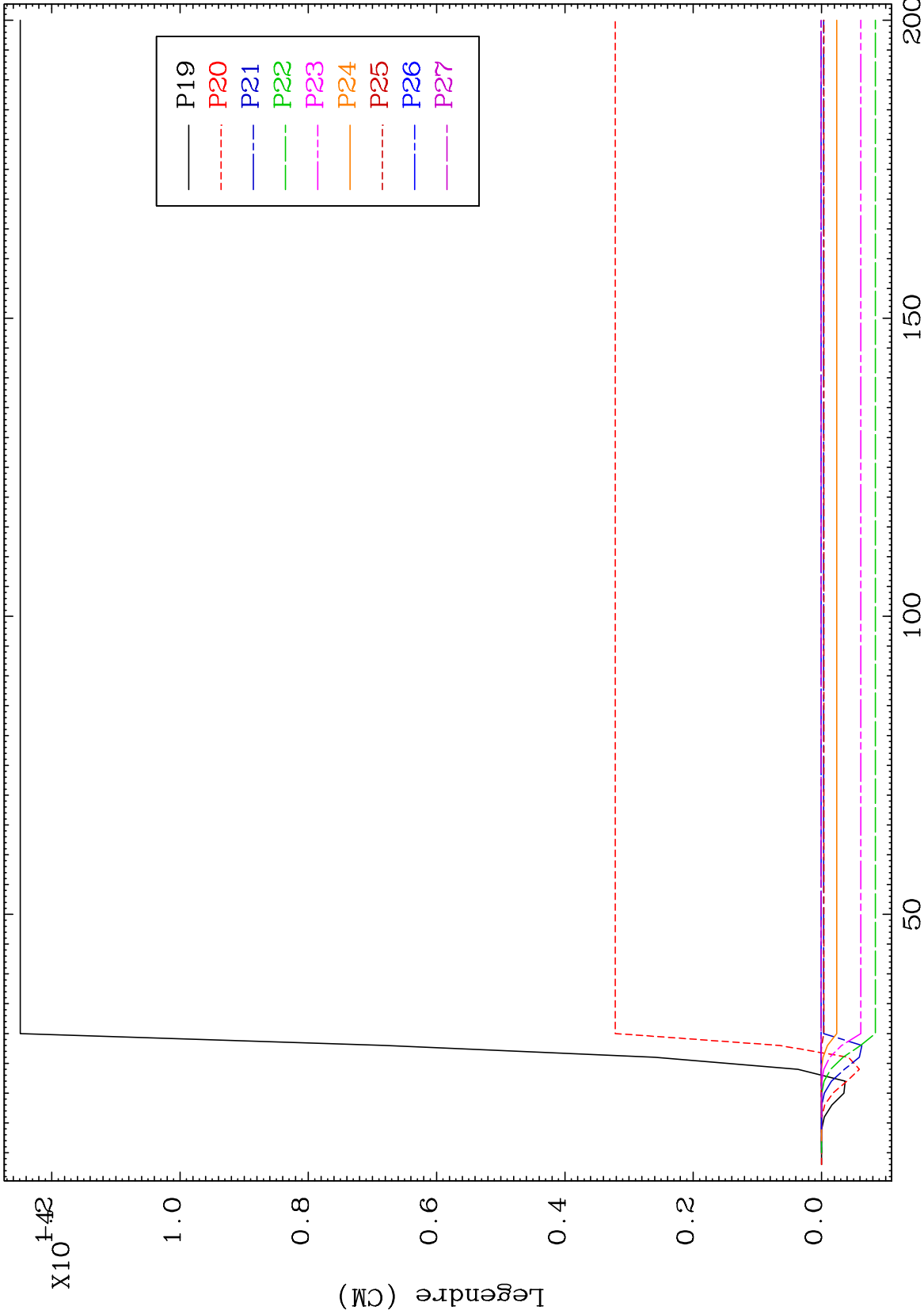
39 69-Tm-154



MAT 6880

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

69-Tm-154



40

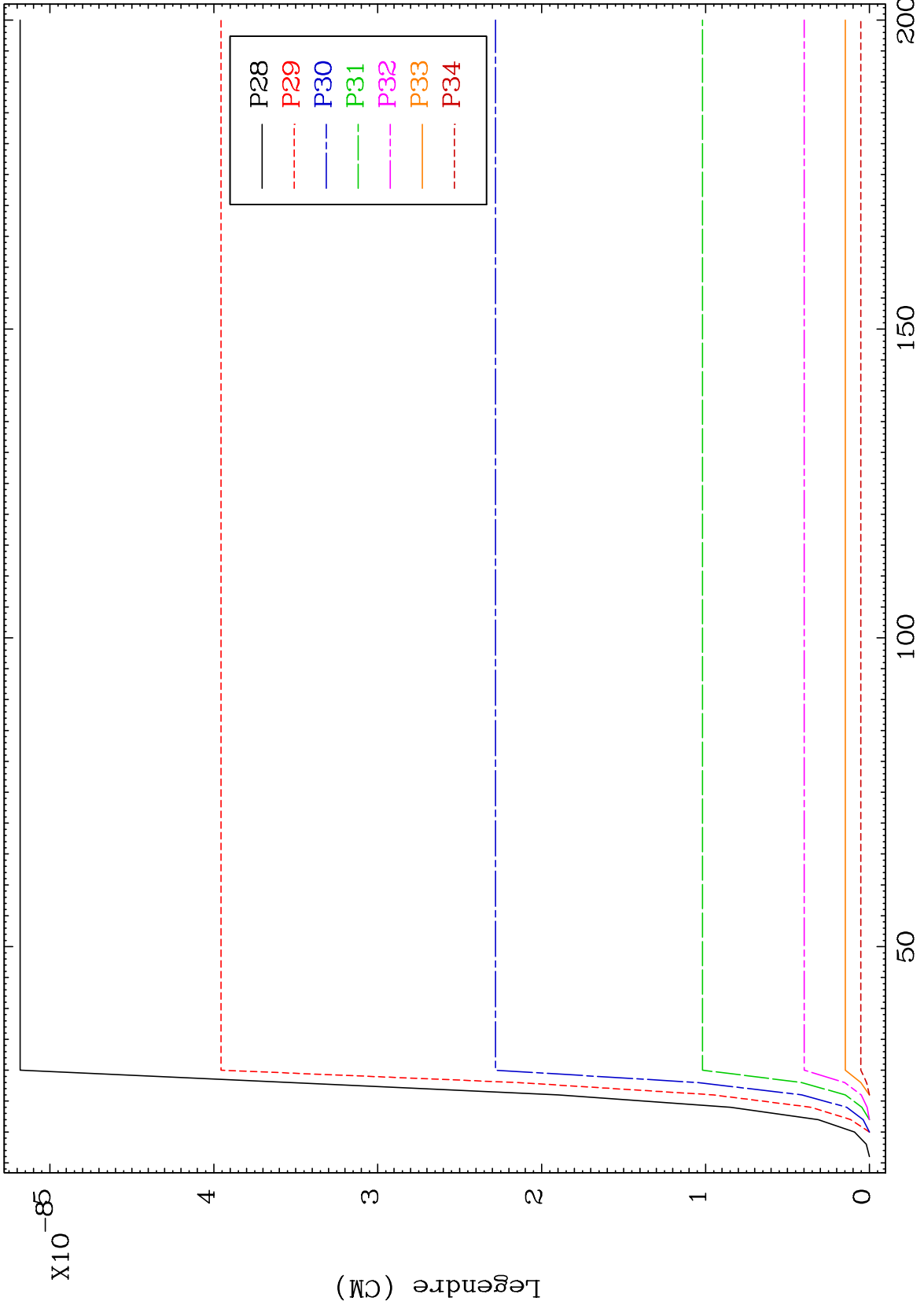
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154

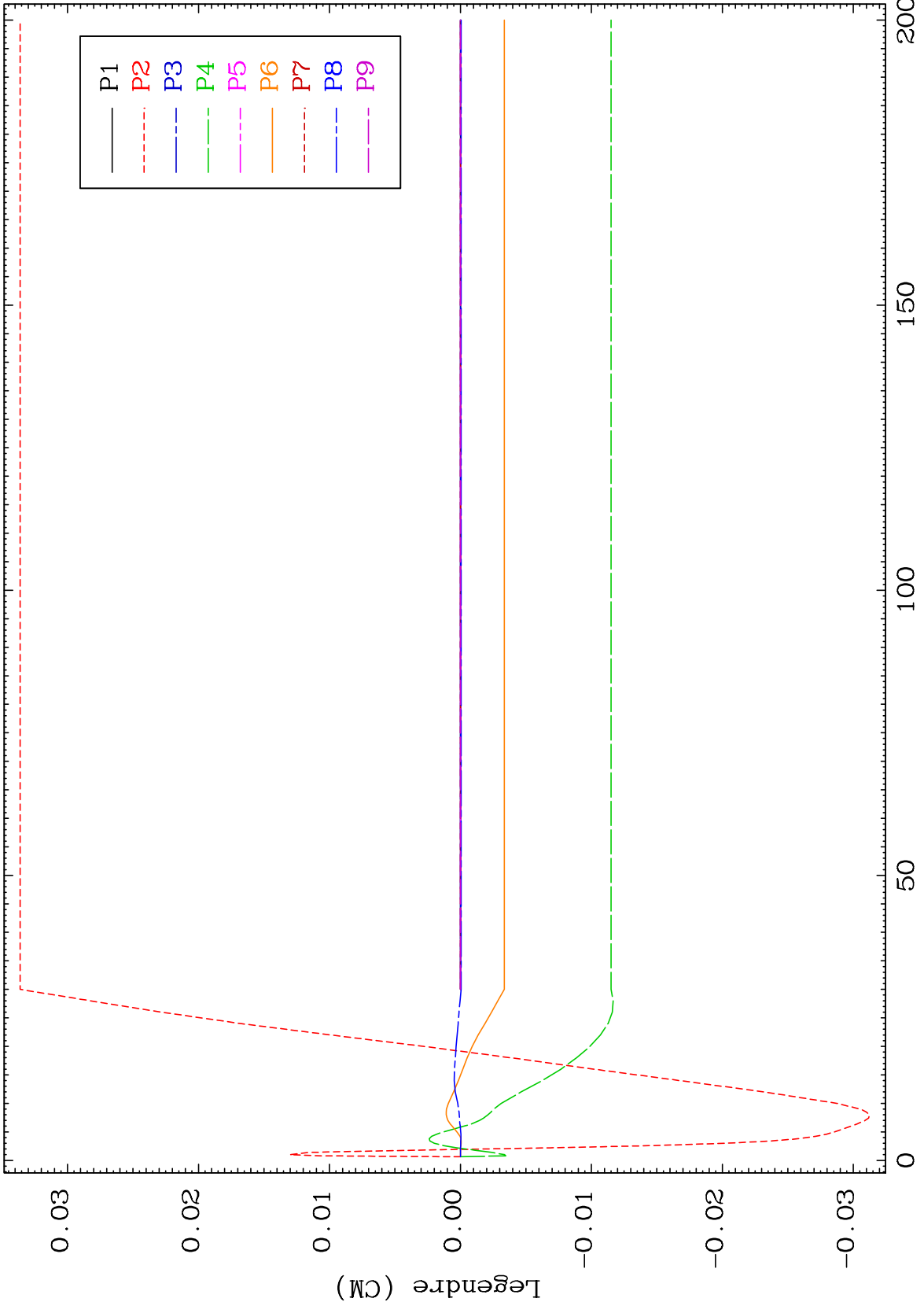


41

Incident Energy (MeV)

69-Tm-154

MAT 6880 MT= 57 (n,n') Level Legendre Coefficients 69-Tm-154

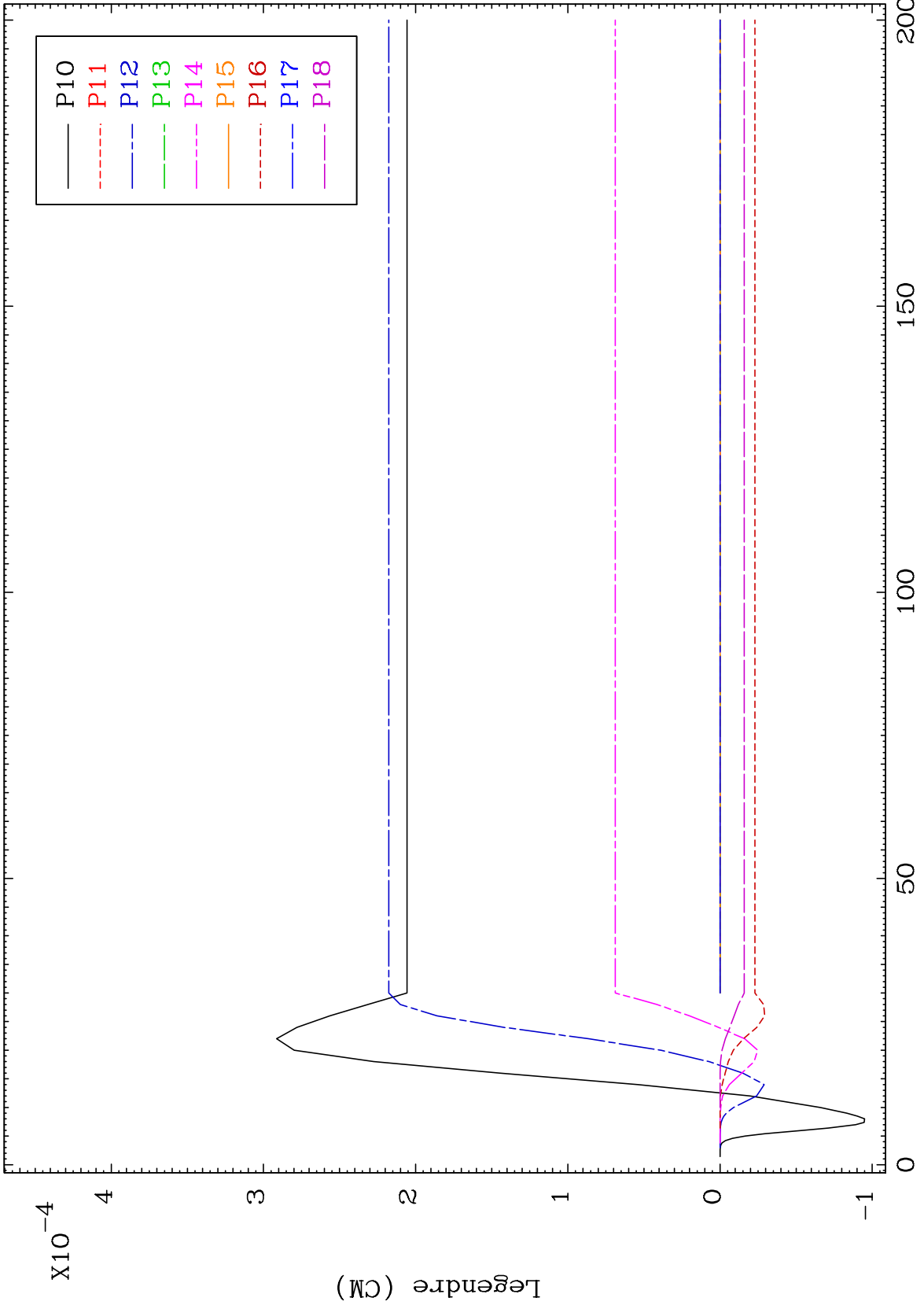


42 Incident Energy (MeV) 69-Tm-154

MAT 6880

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

69-Tm-154

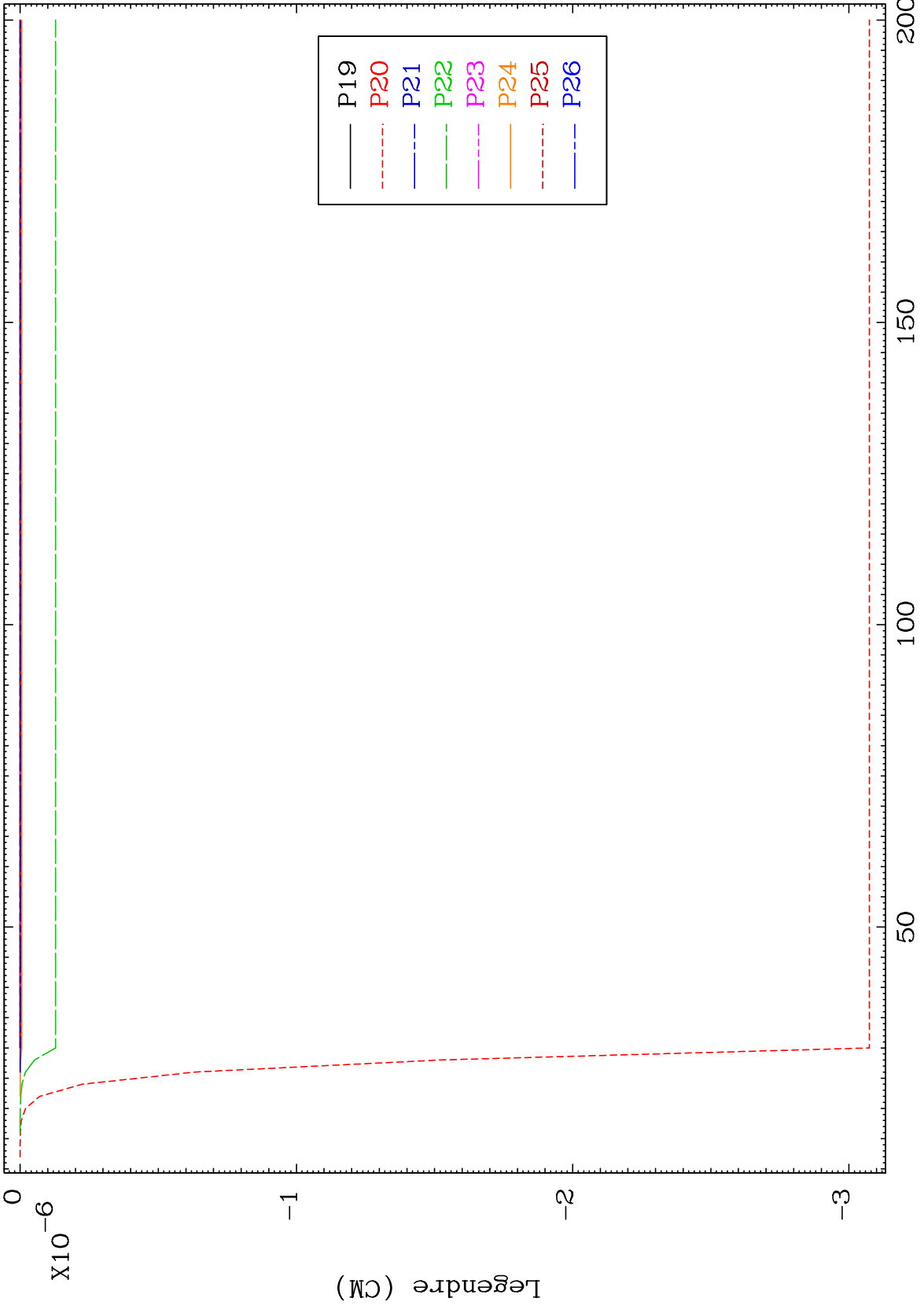


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Incident Energy (MeV)

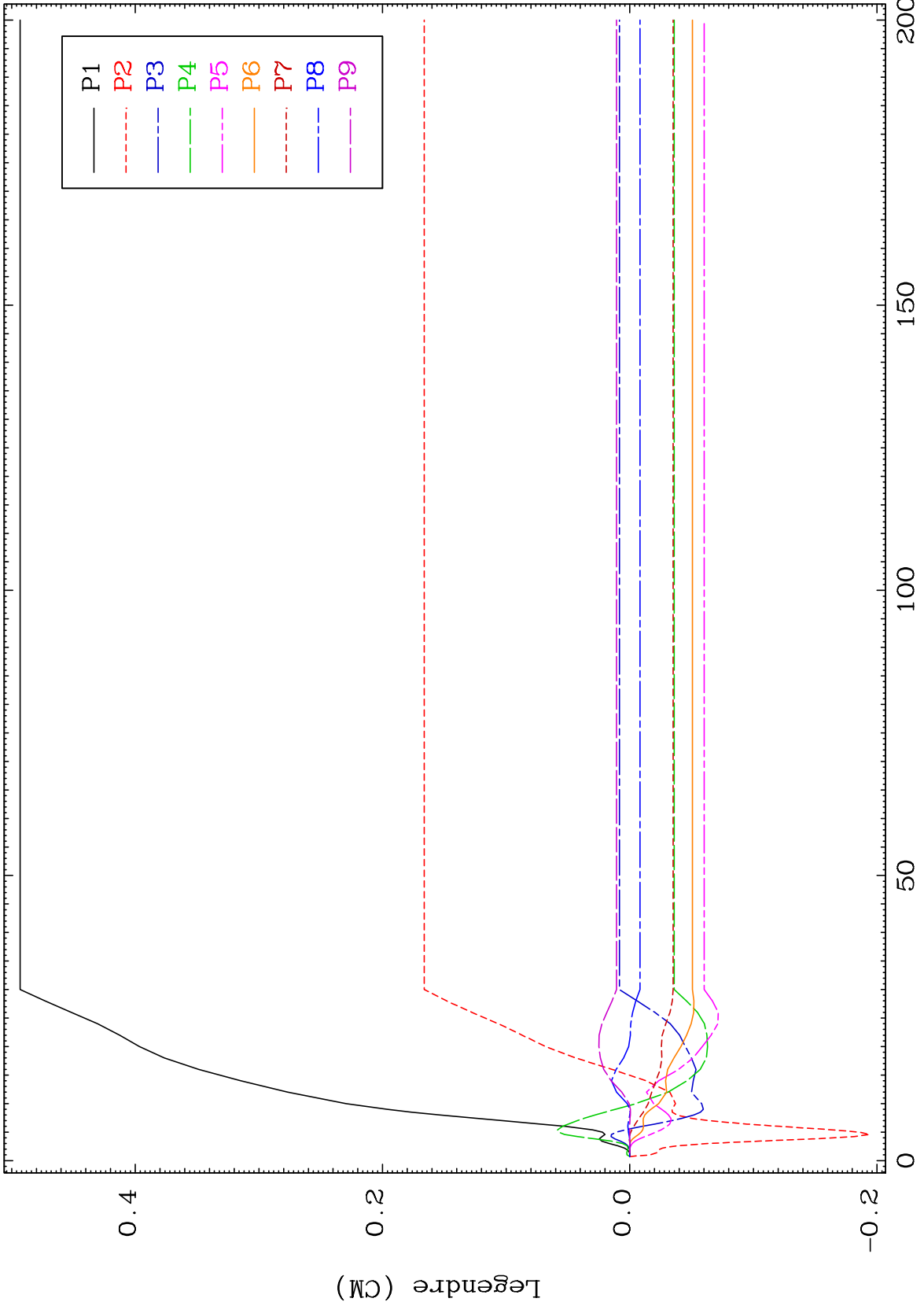
69-Tm-154

MAT 6880 MT= 57 (n,n') Level Legendre Coefficients 69-Tm-154

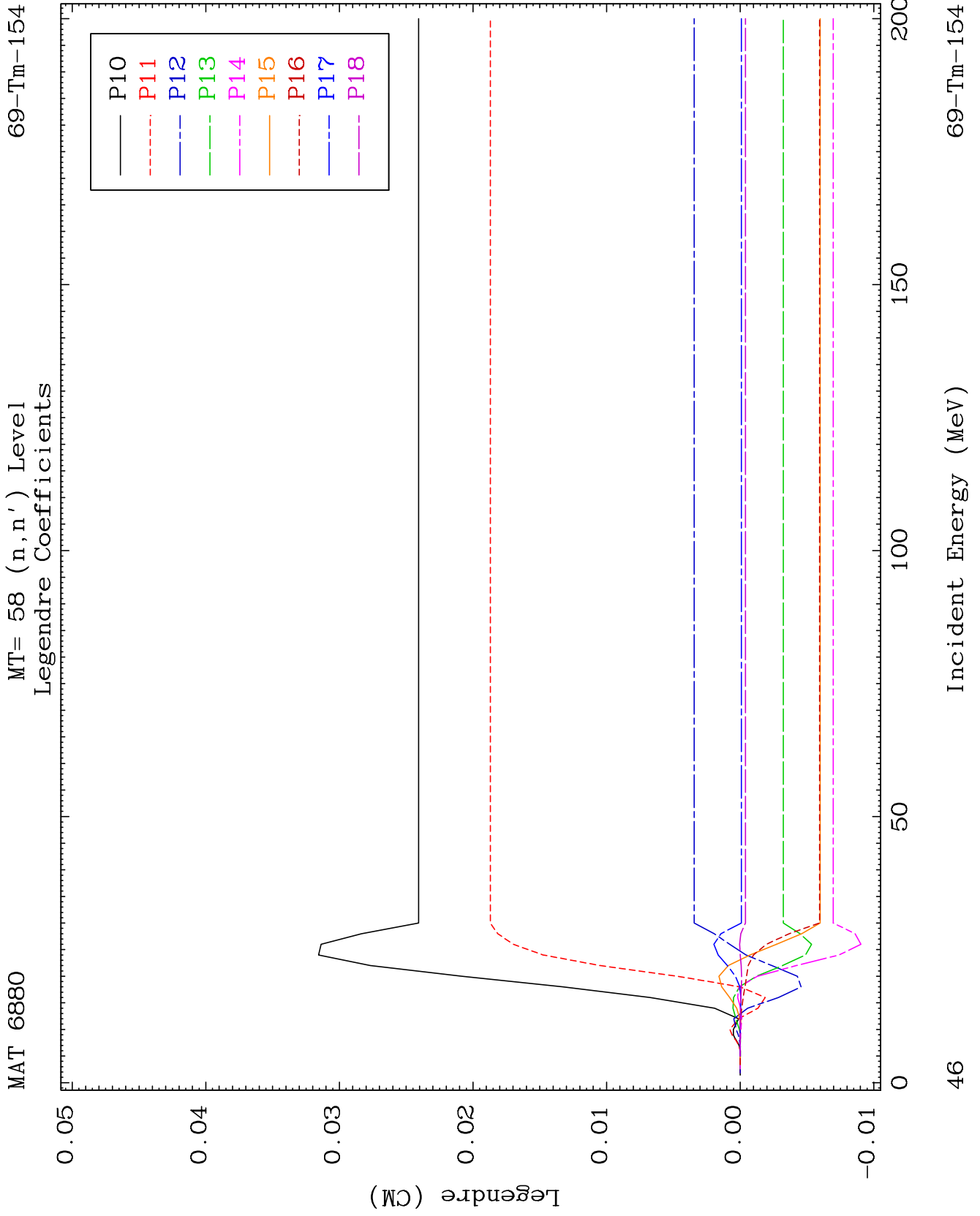


44 Incident Energy (MeV) 200 69-Tm-154

MAT 6880 MT= 58 (n,n') Level Legendre Coefficients 69-Tm-154



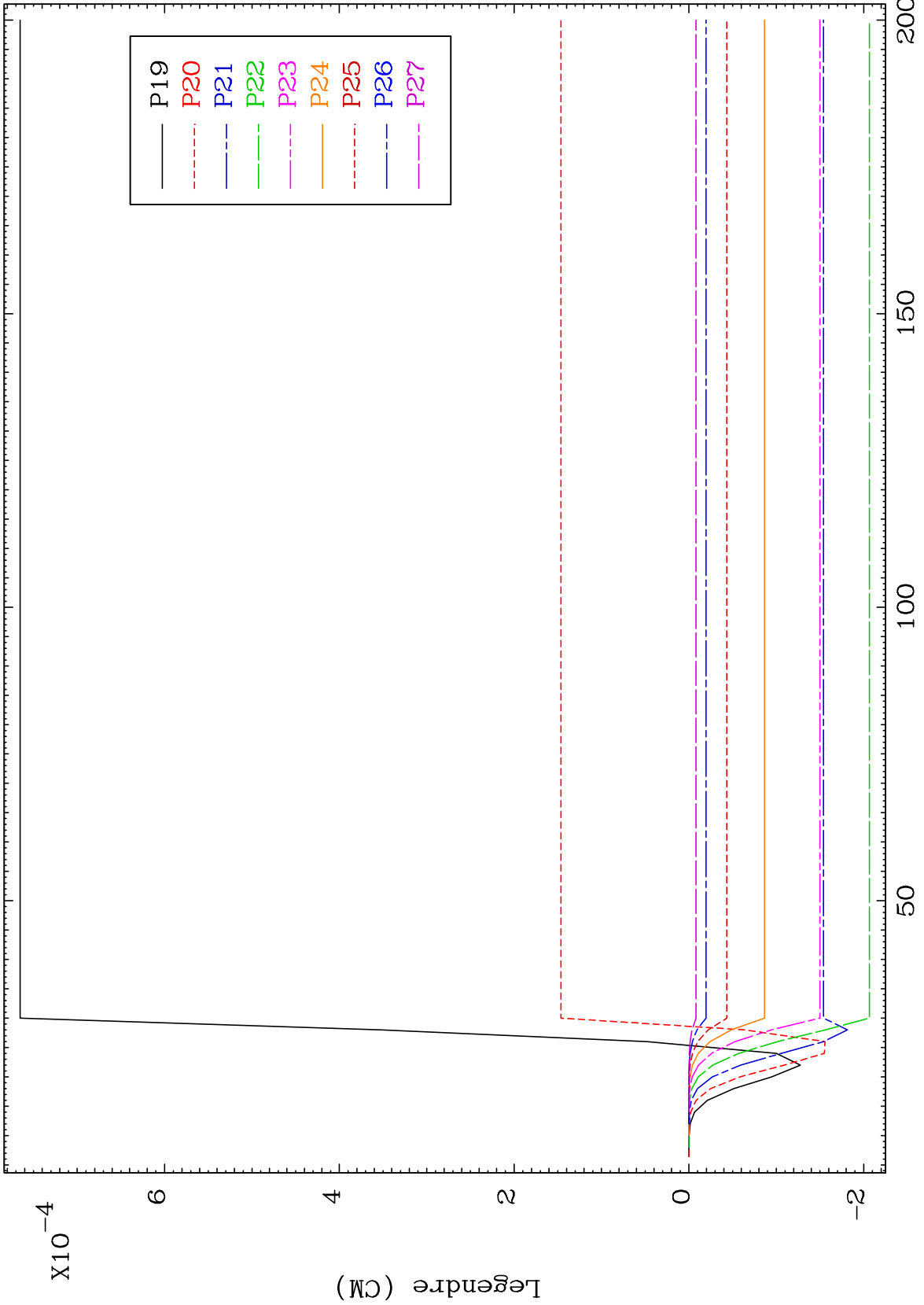
Legendre (CM) Incident Energy (MeV) 69-Tm-154



MAT 6880

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

69-Tm-154



47

Incident Energy (MeV)

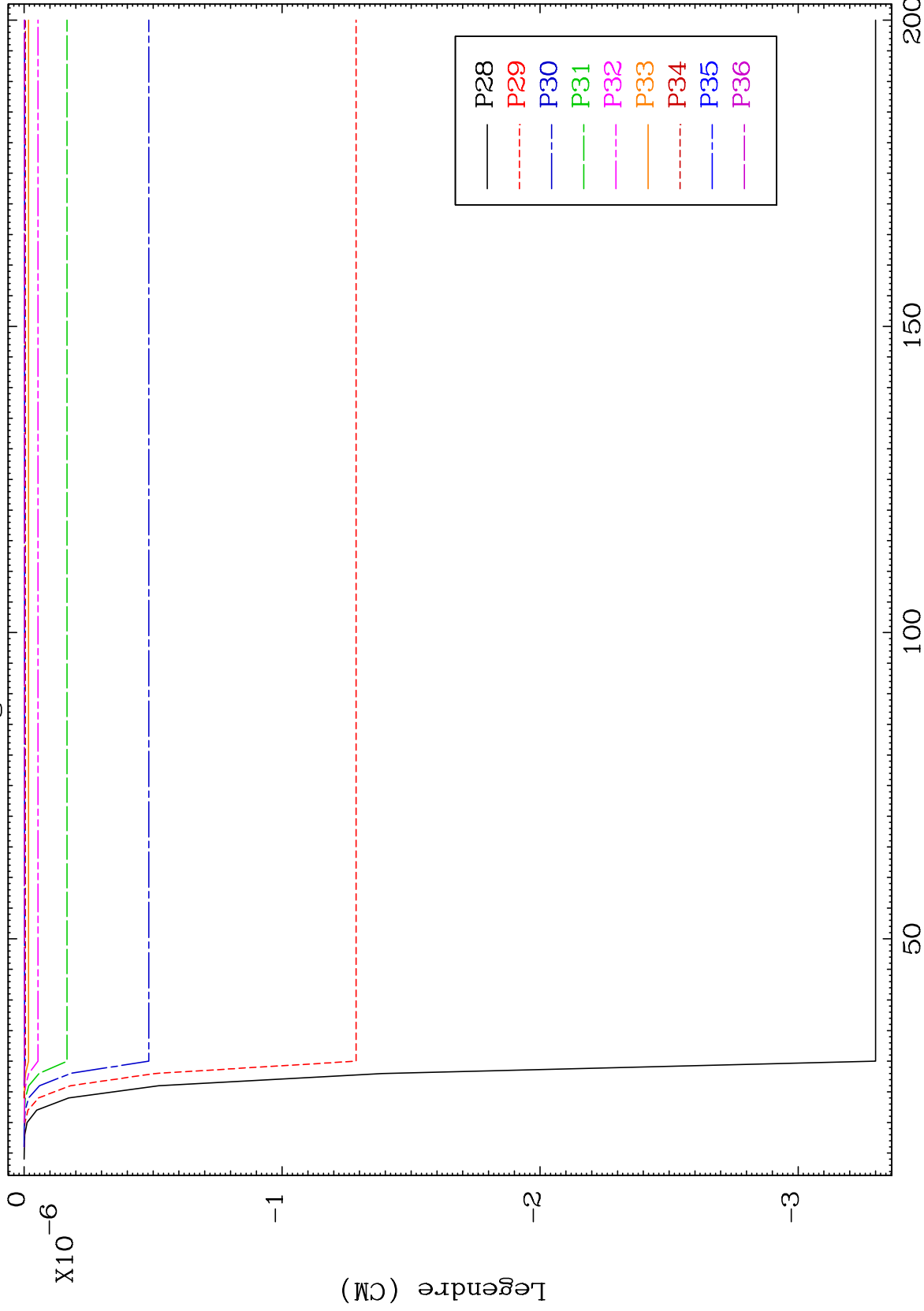
69-Tm-154



MAT 6880

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

69-Tm-154

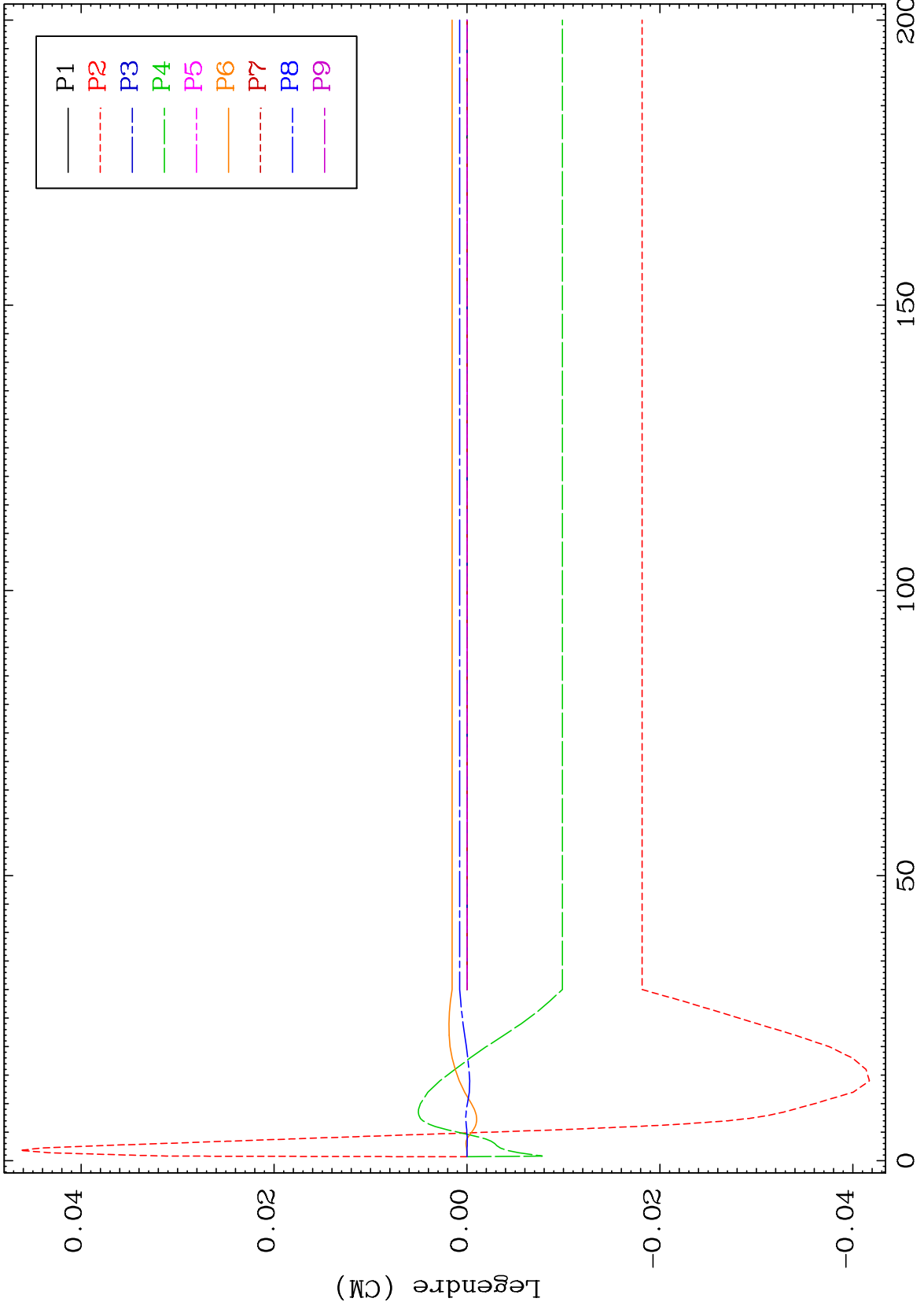


69-Tm-154

Incident Energy (MeV)

48

MAT 6880 MT= 59 (n,n') Level Legendre Coefficients 69-Tm-154

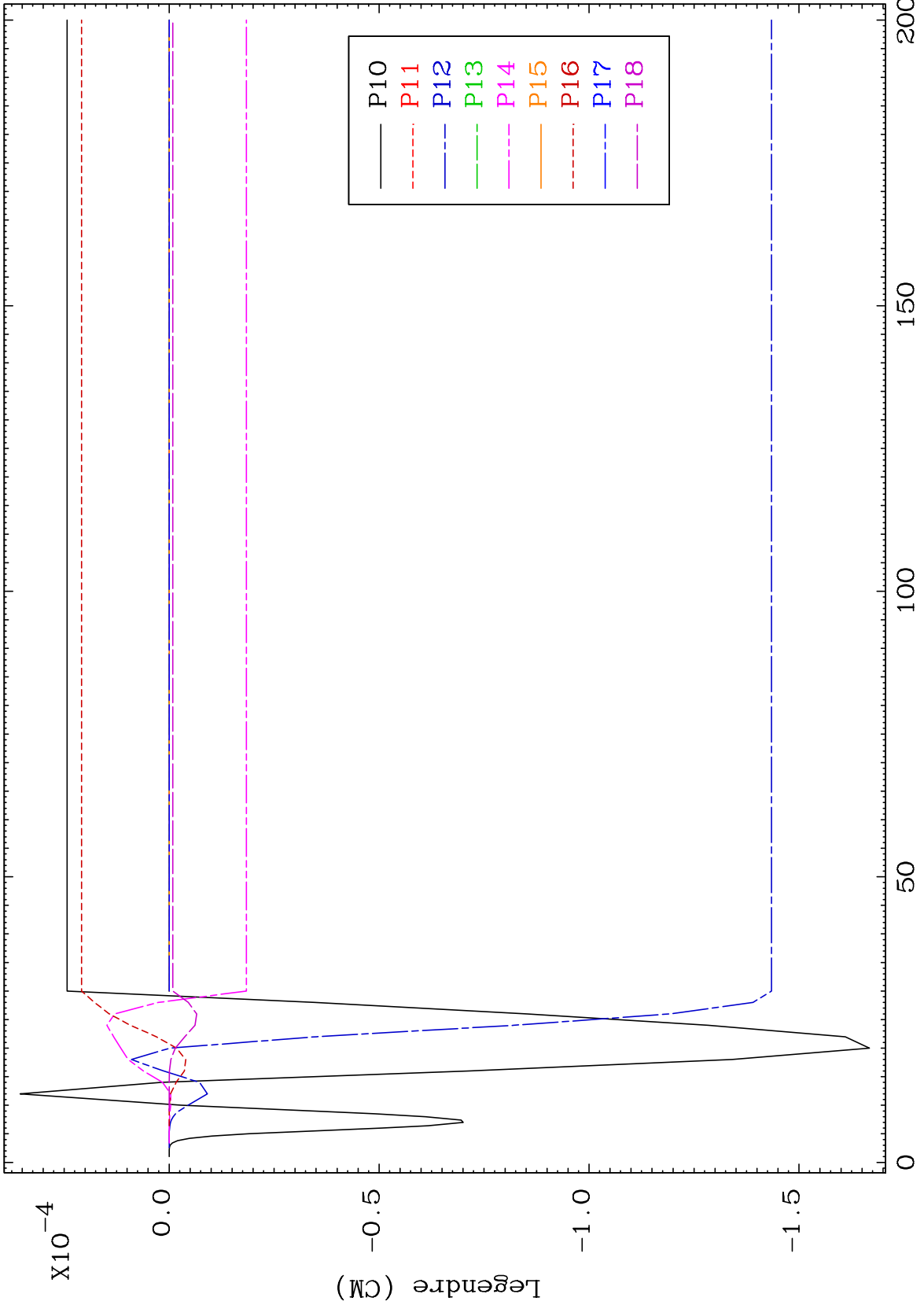


49 Incident Energy (MeV) 69-Tm-154

MAT 6880

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

69-Tm-154

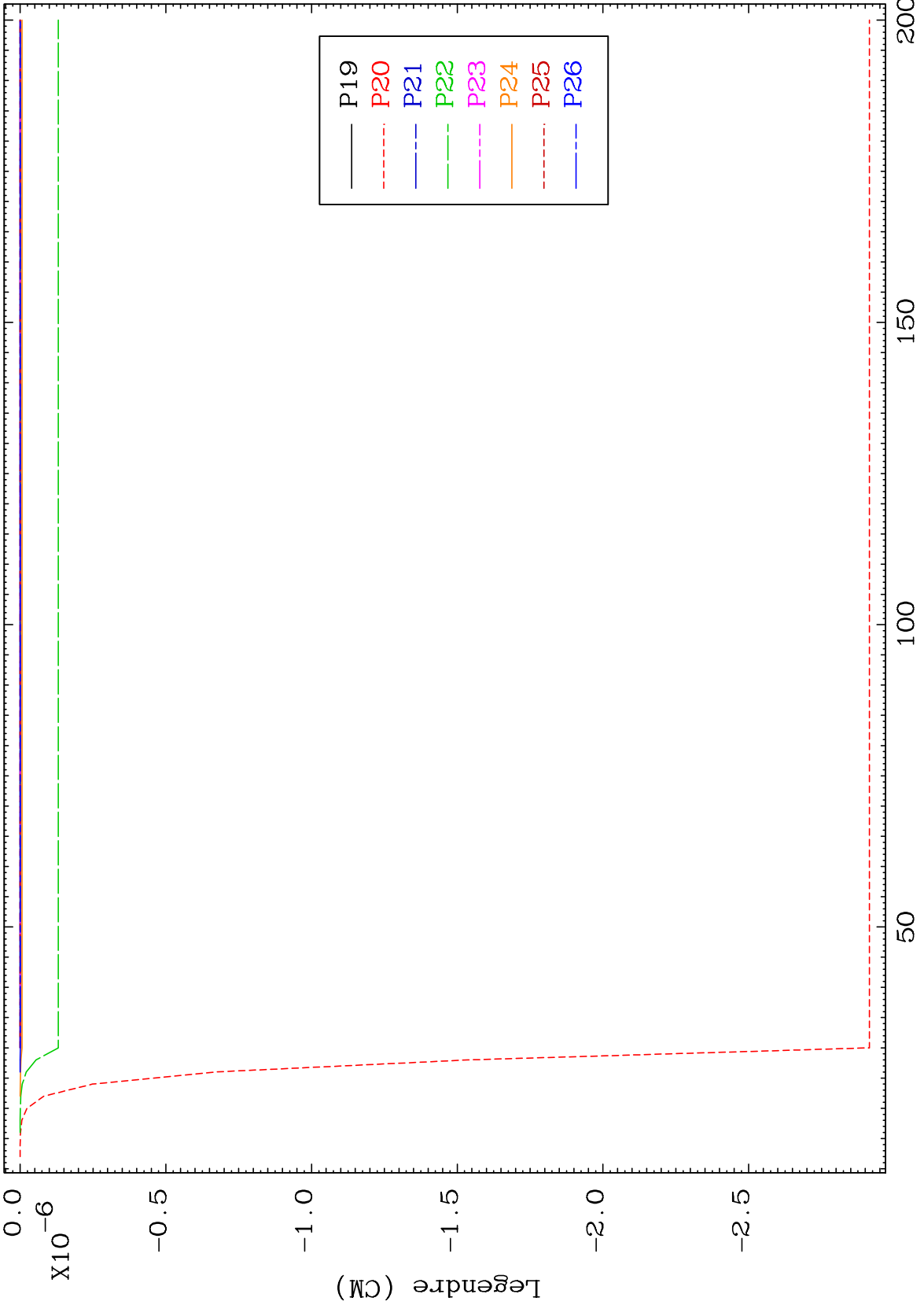


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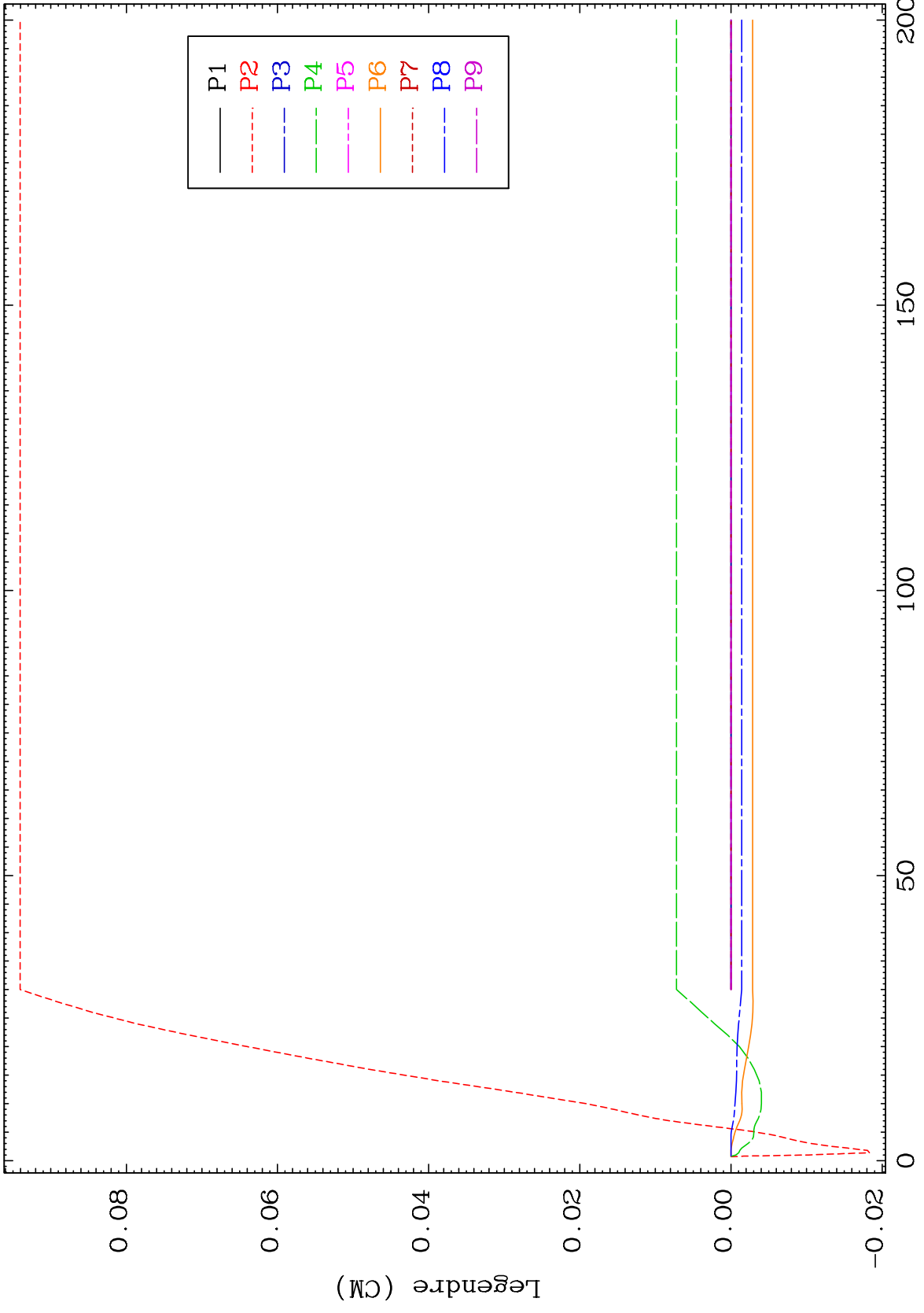
Incident Energy (MeV)

69-Tm-154

MAT 6880 MT= 59 (n,n') Level Legendre Coefficients 69-Tm-154



MAT 6880 MT= 60 (n,n') Level Legendre Coefficients 69-Tm-154

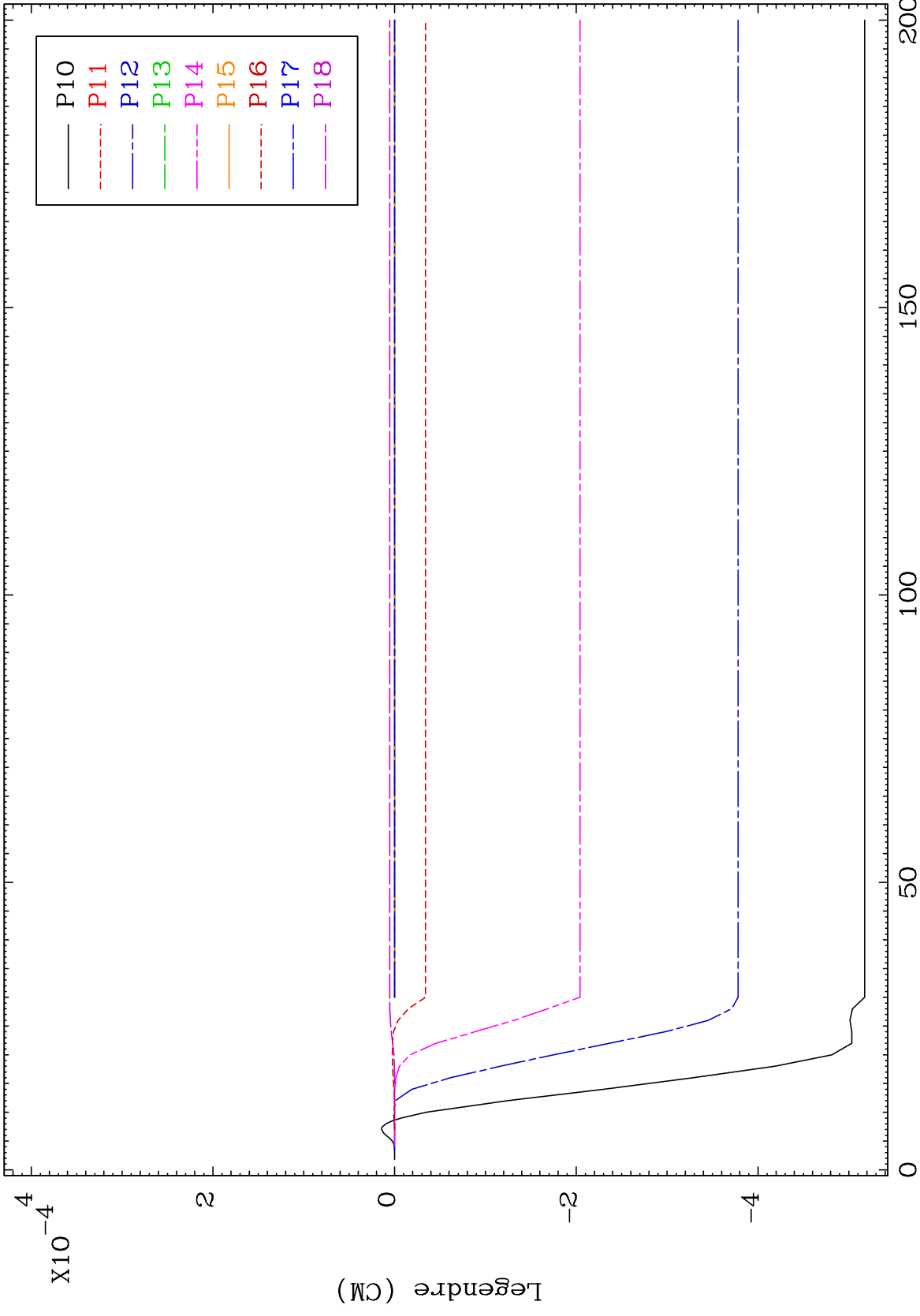


Incident Energy (MeV) 52 69-Tm-154

MAT 6880

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

69-Tm-154



53

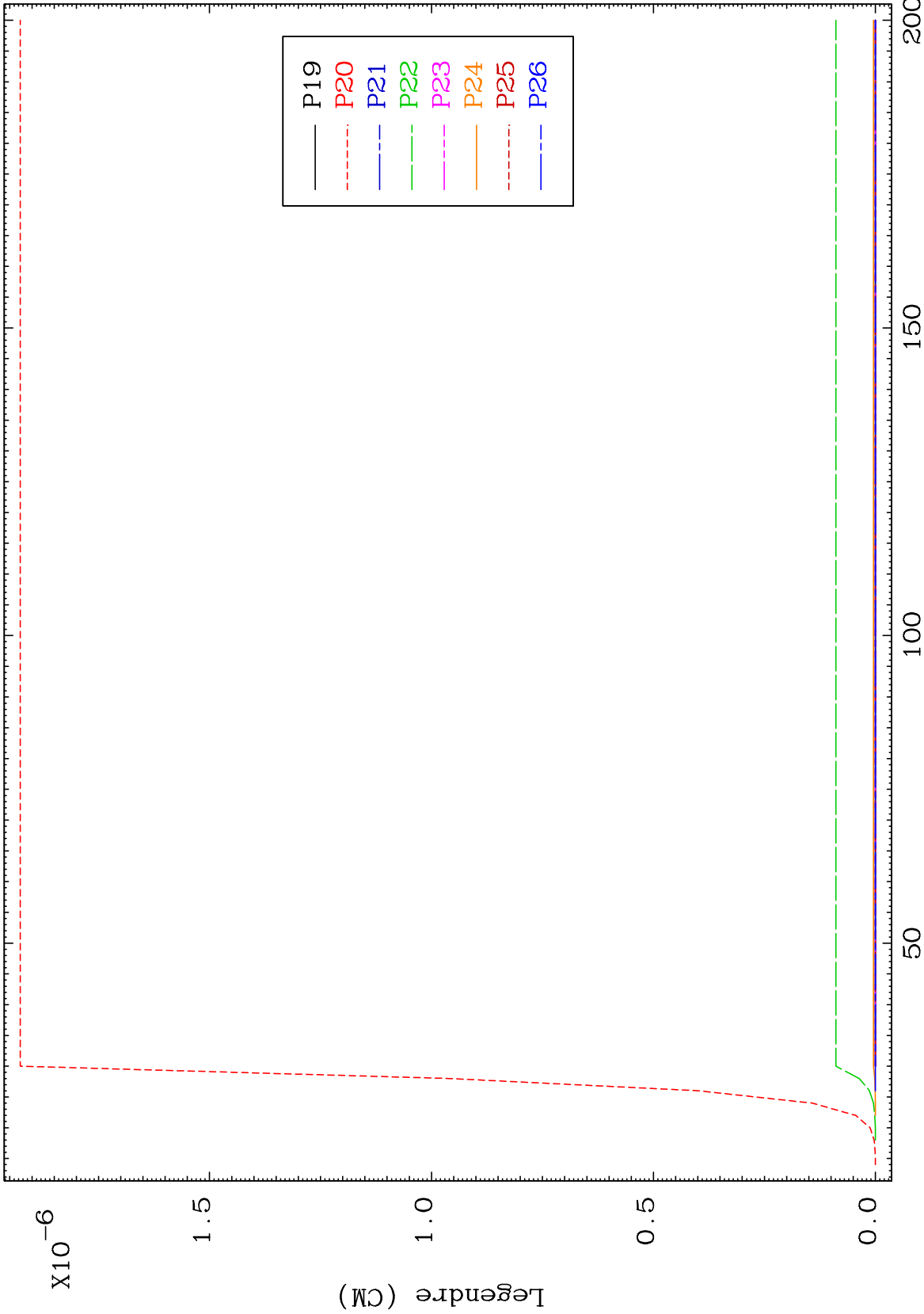
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154



54

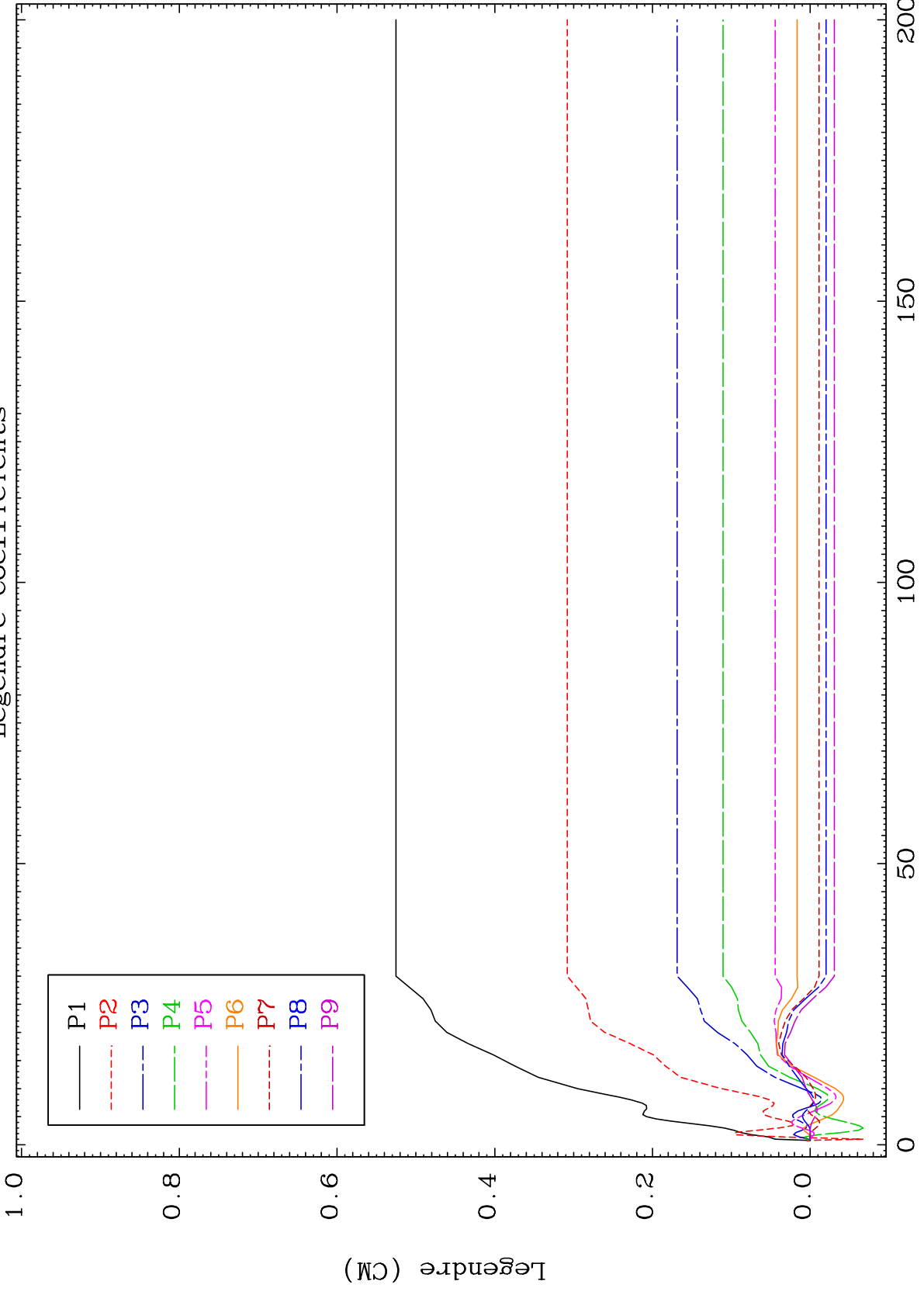
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154



69-Tm-154

Incident Energy (MeV)

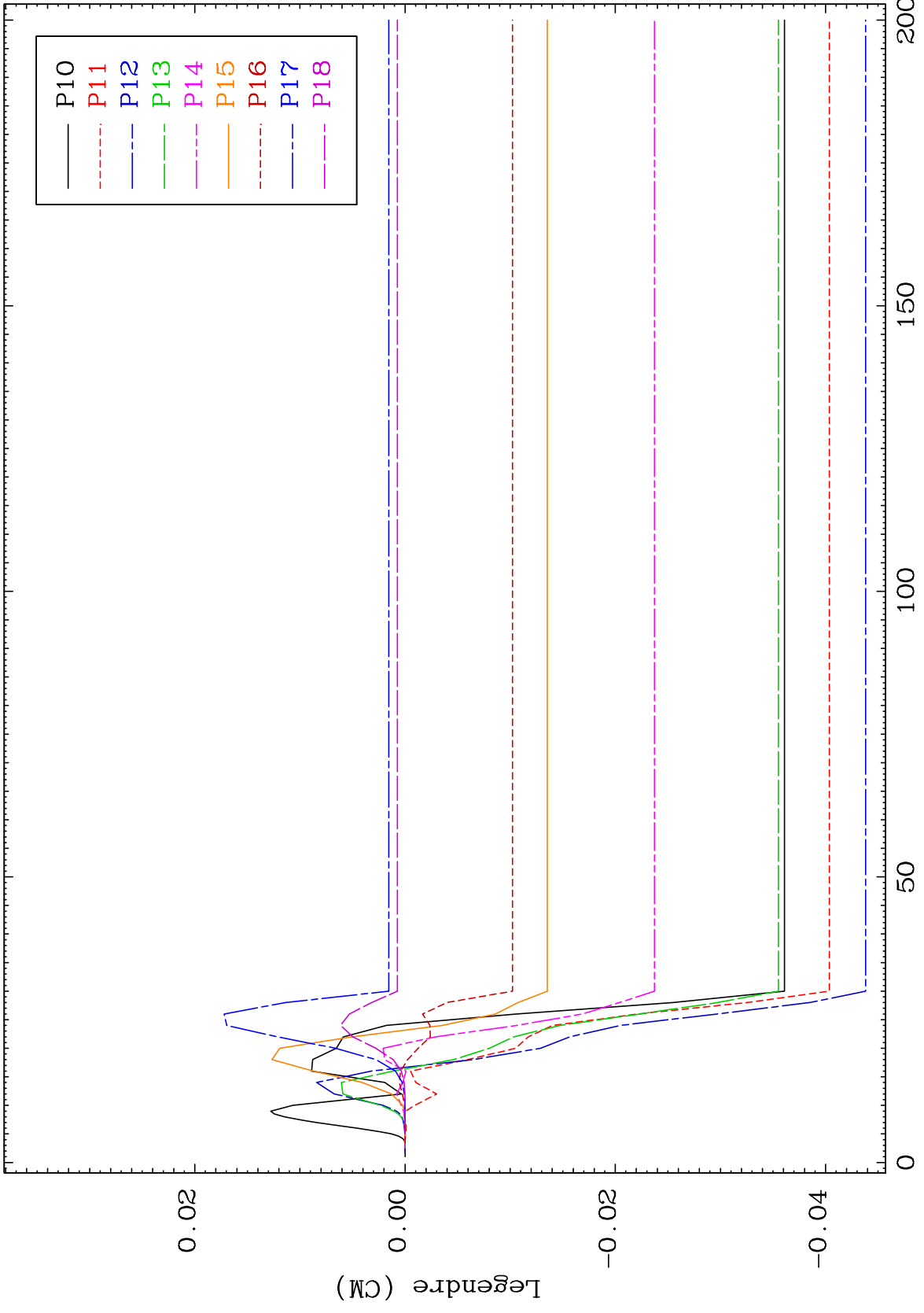
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MAT 6880

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

69-Tm-154



56

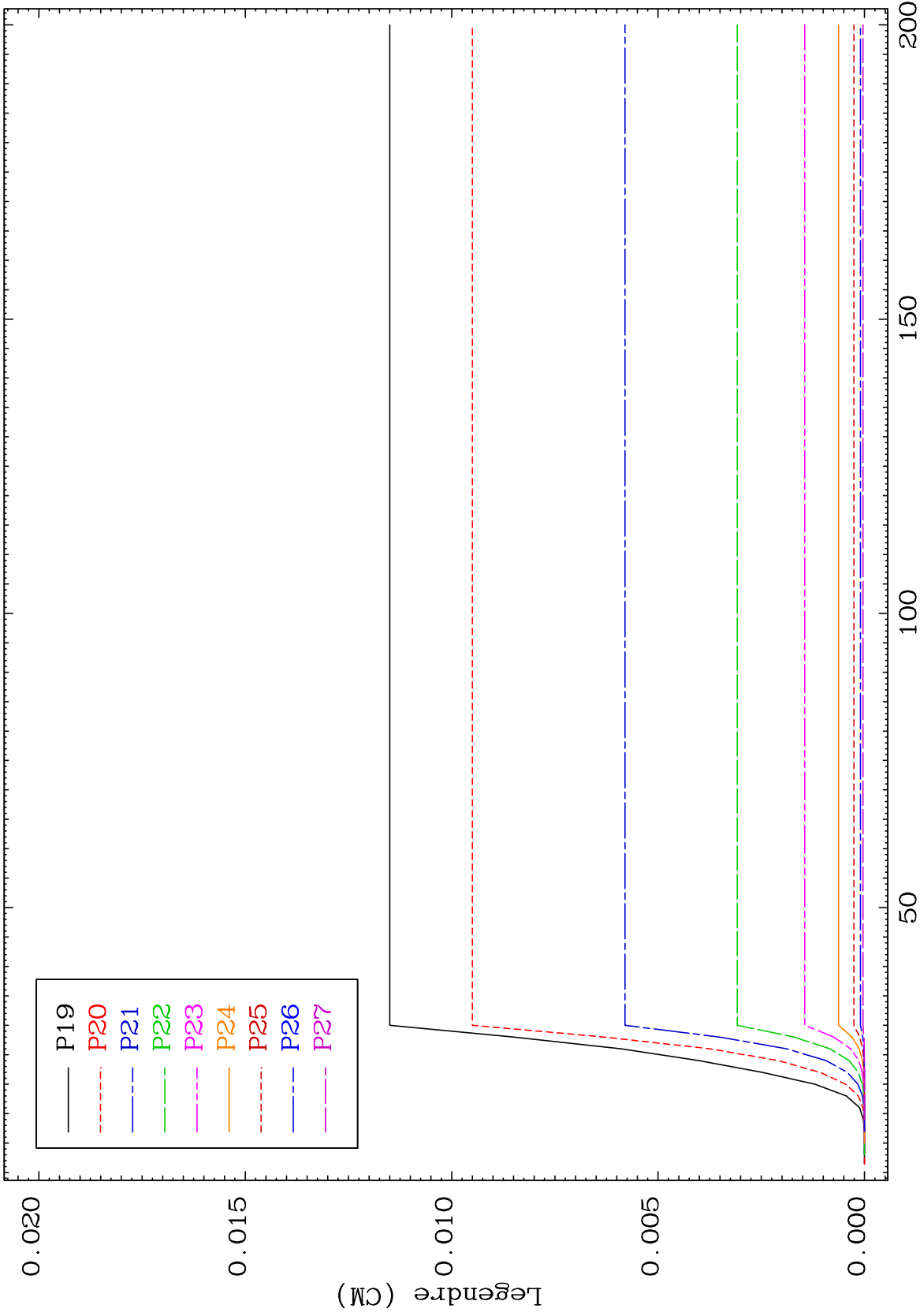
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154



57

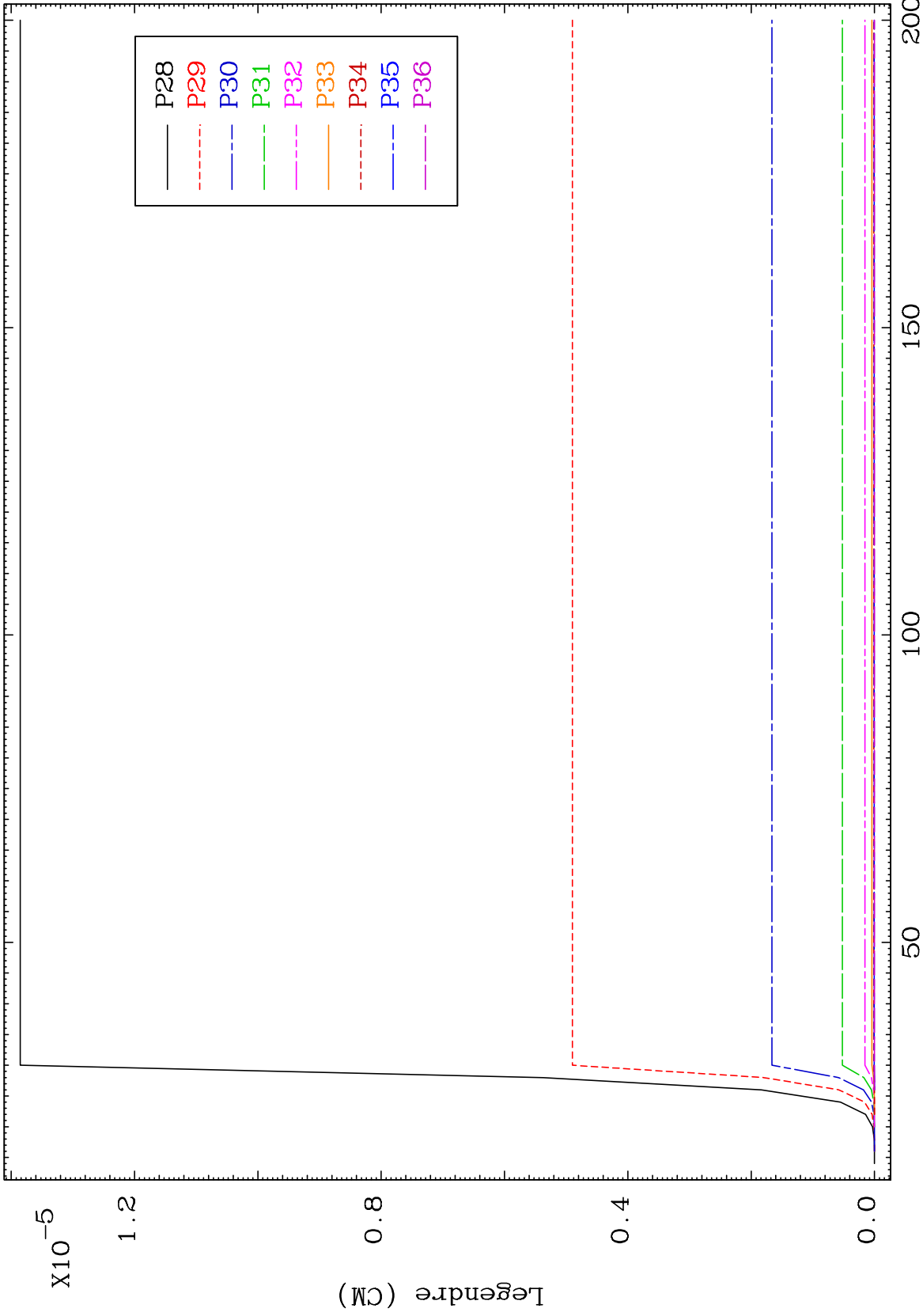
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154

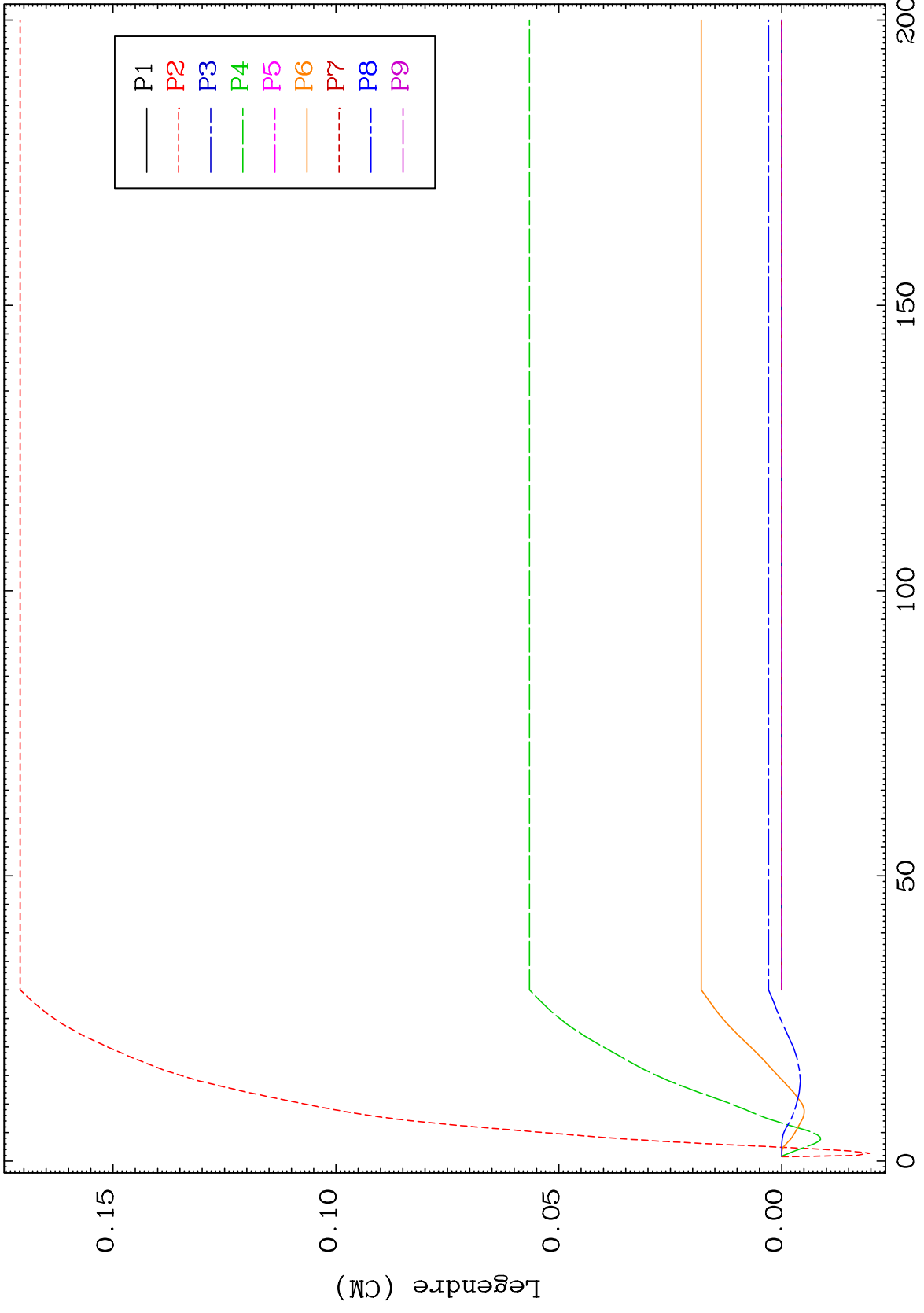


69-Tm-154

Incident Energy (MeV)

58

MAT 6880 MT= 62 (n,n') Level Legendre Coefficients 69-Tm-154

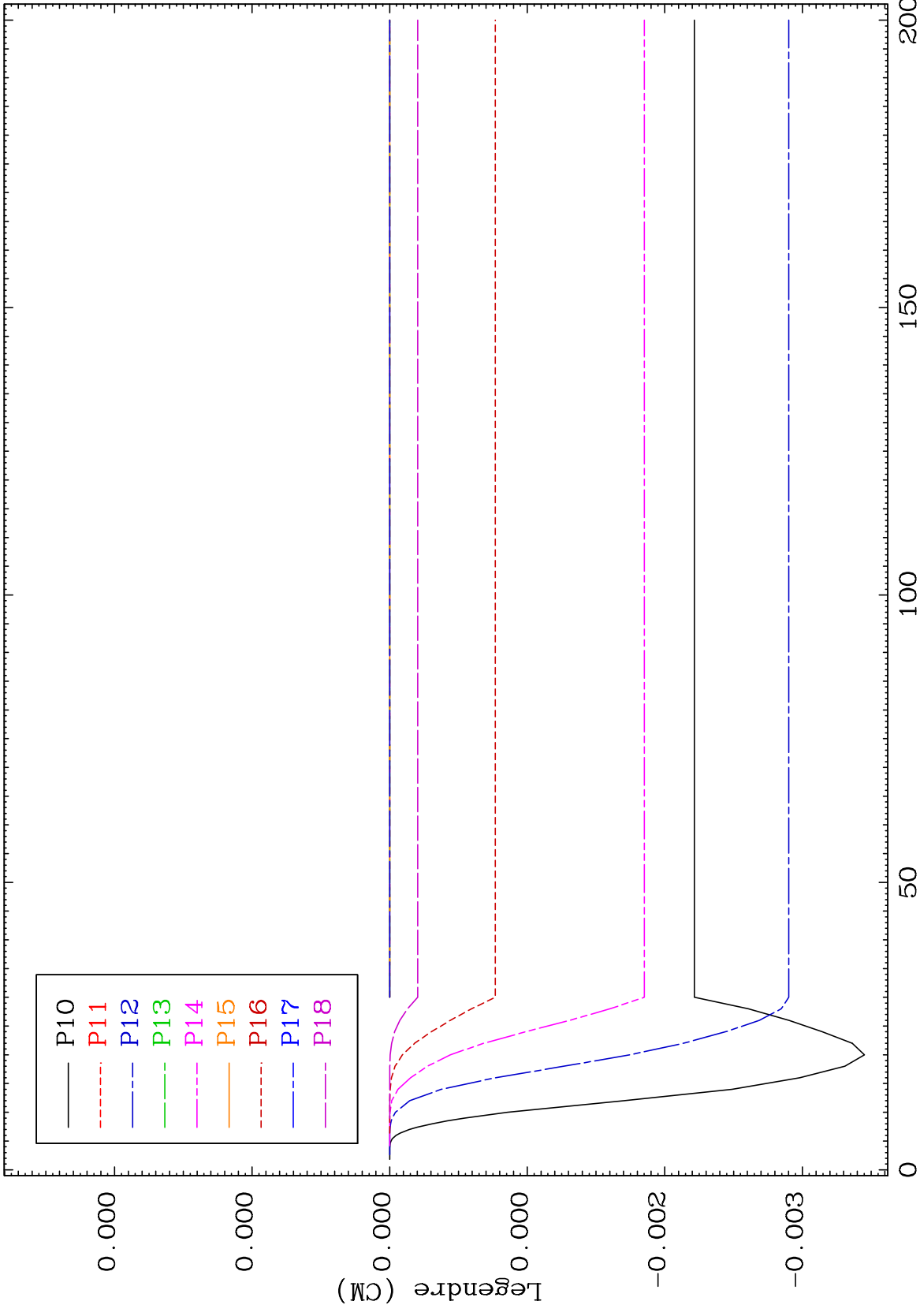


59 69-Tm-154

MAT 6880

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

69-Tm-154



0

50

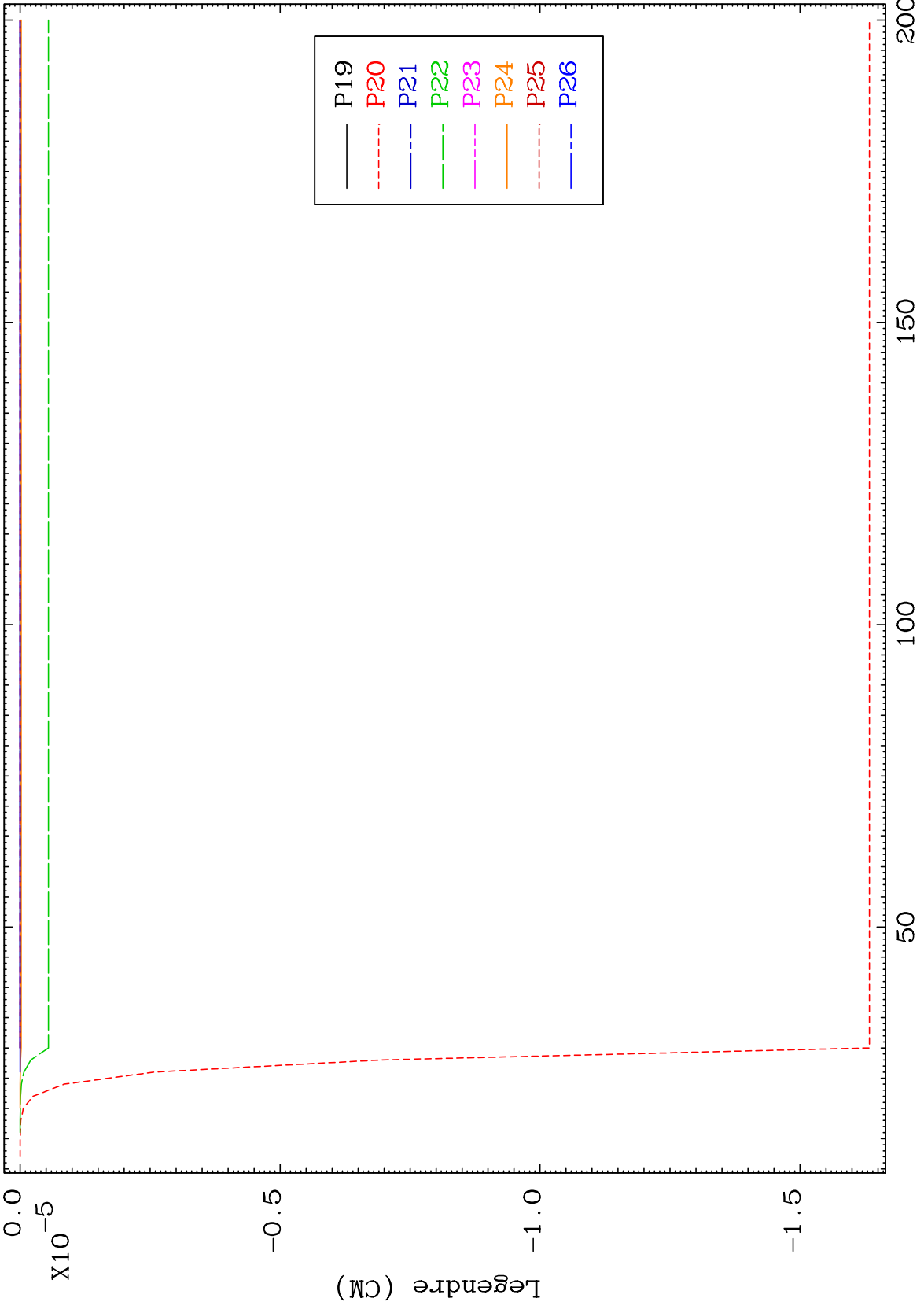
100

150

200

69-Tm-154

MAT 6880 MT= 62 (n,n') Level Legendre Coefficients 69-Tm-154

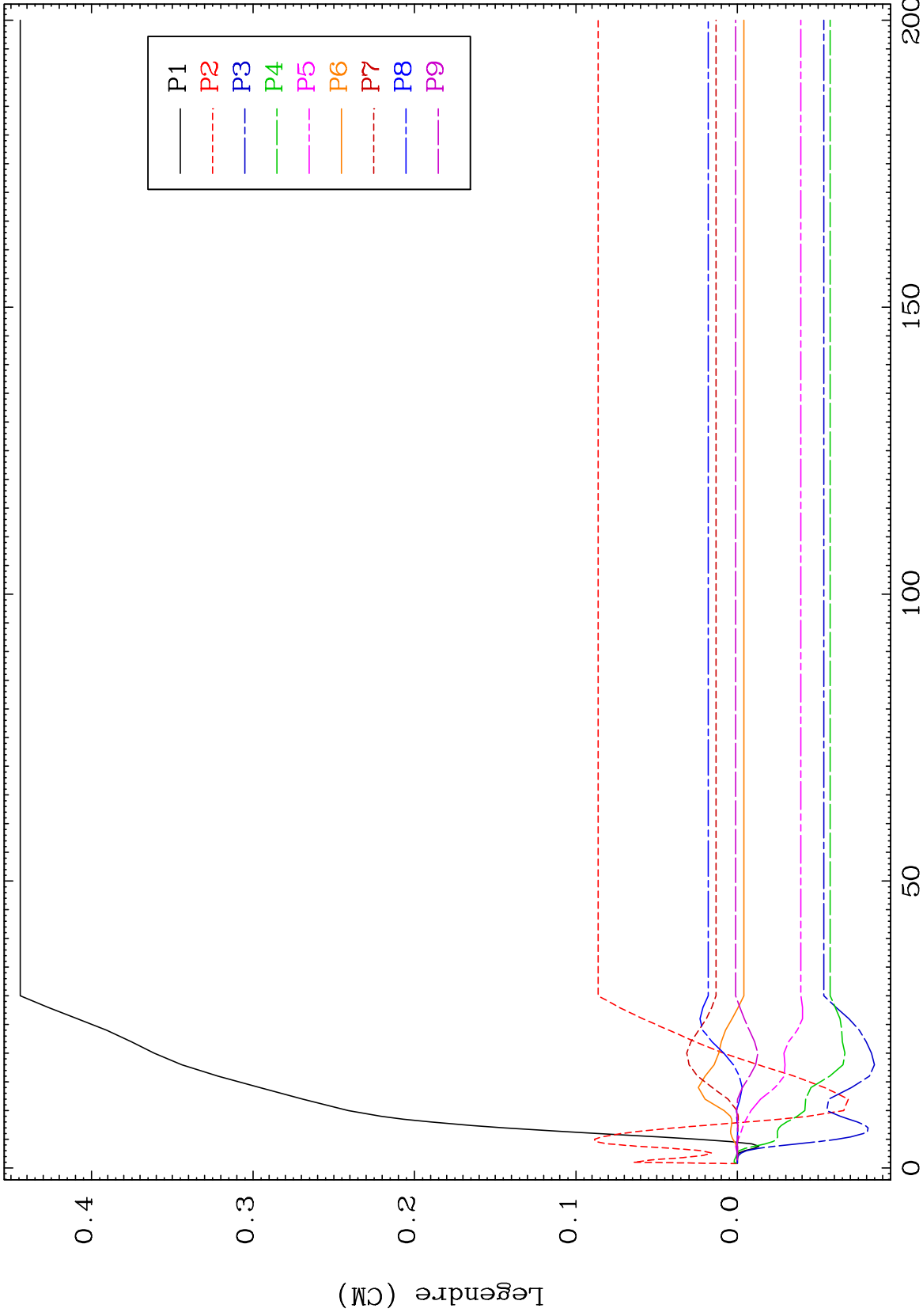


61 69-Tm-154

MAT 6880

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

69-Tm-154



62

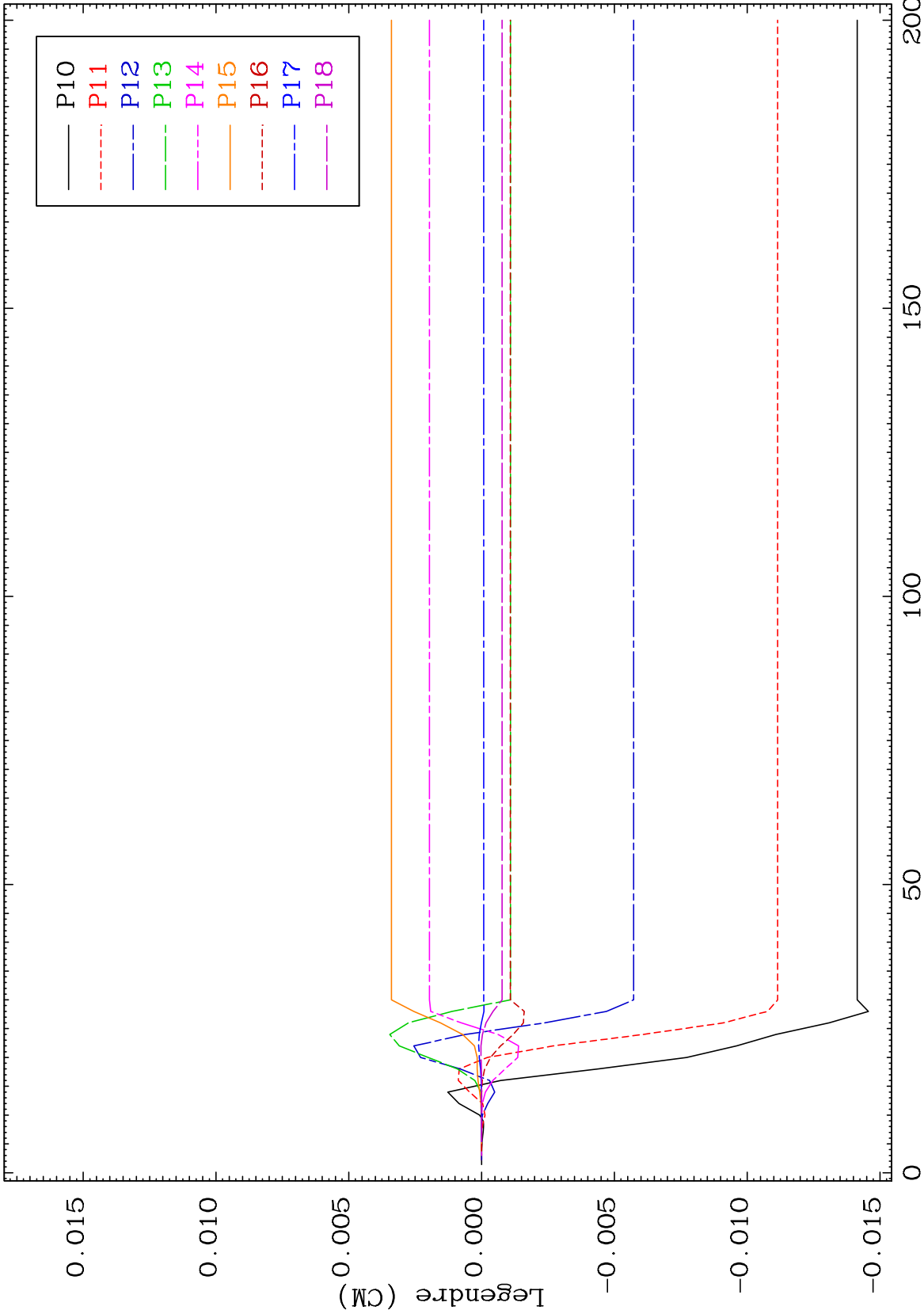
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154



63

Incident Energy (MeV)

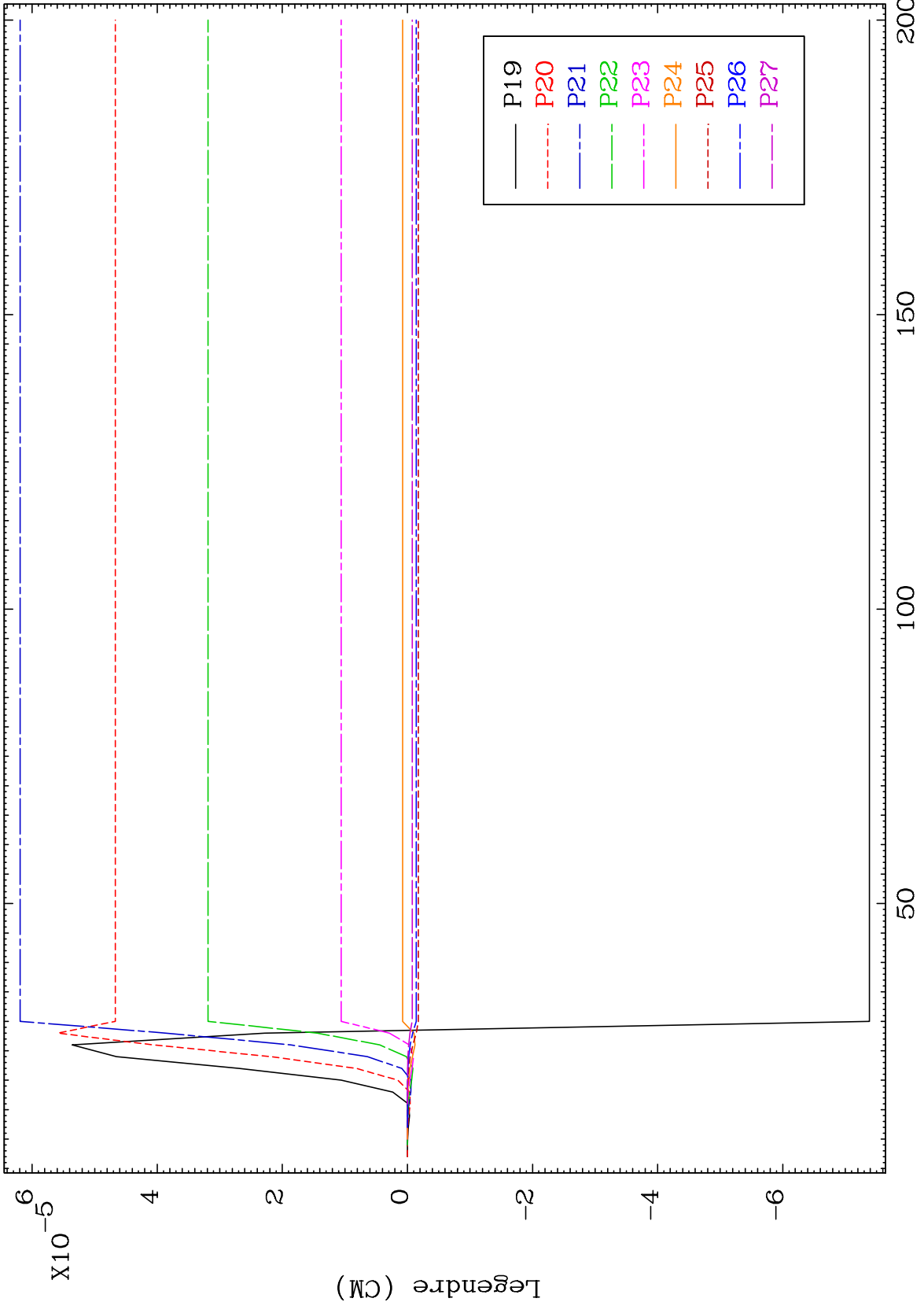
69-Tm-154



MAT 6880

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

69-Tm-154

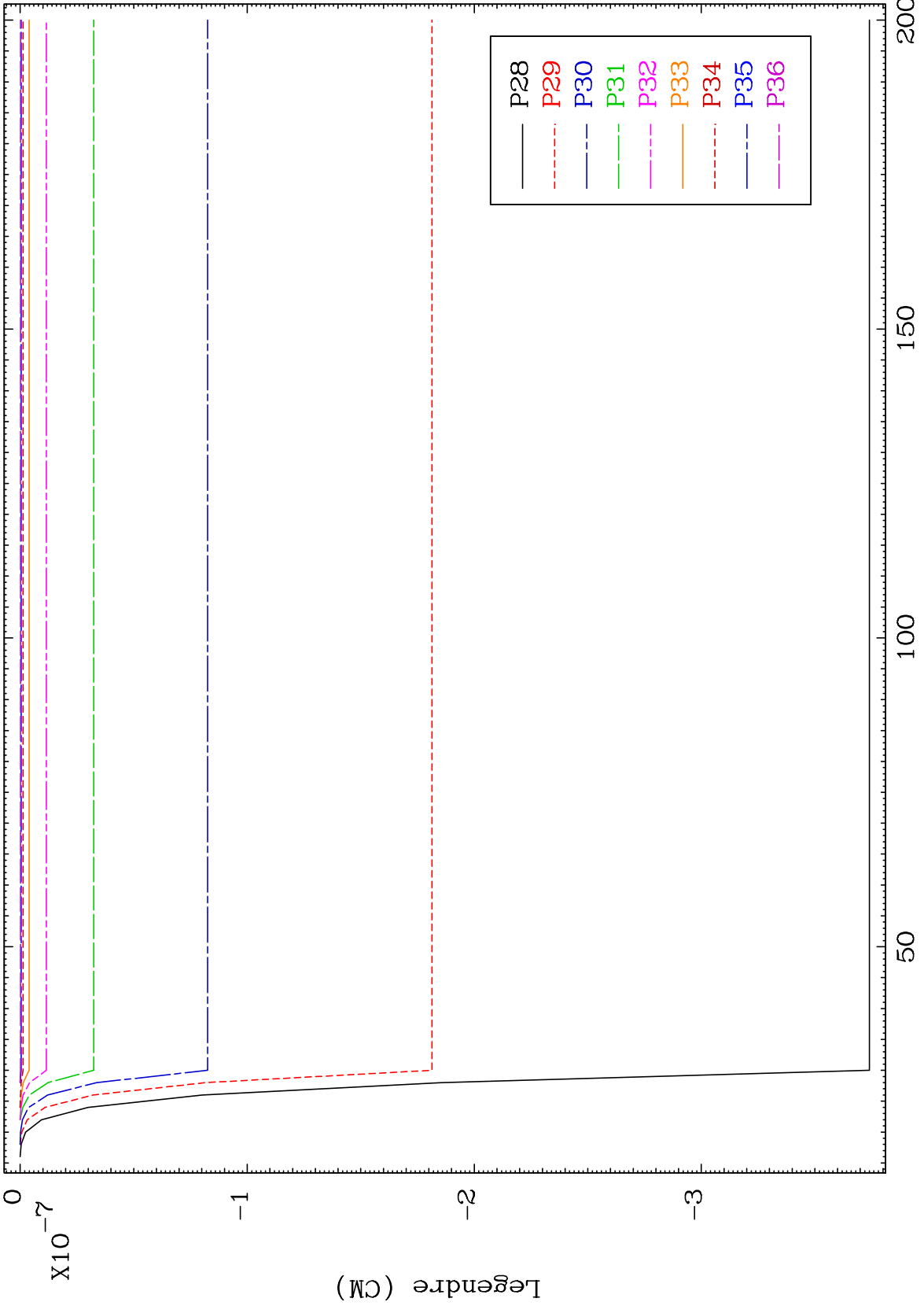


64

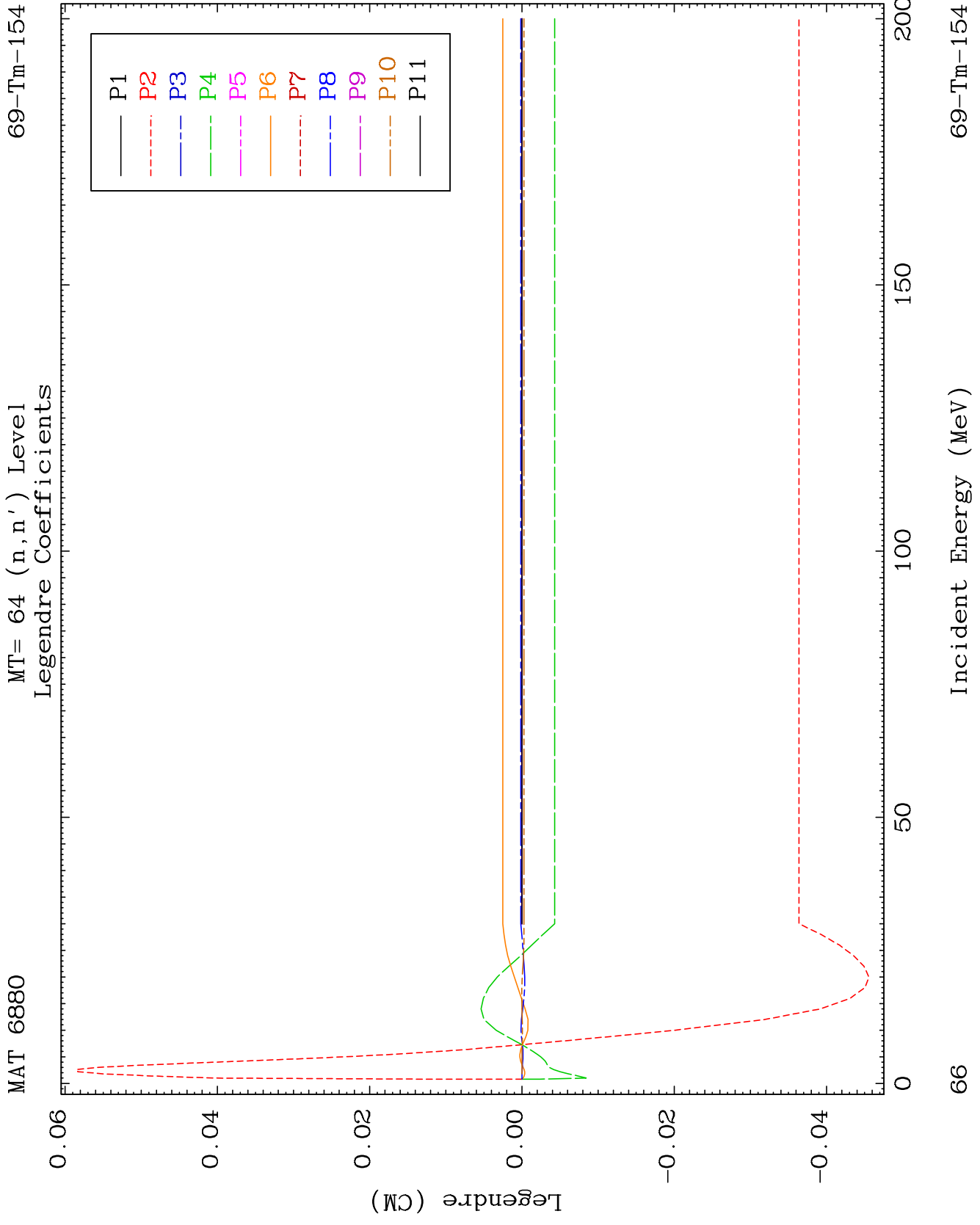
Incident Energy (MeV)

69-Tm-154

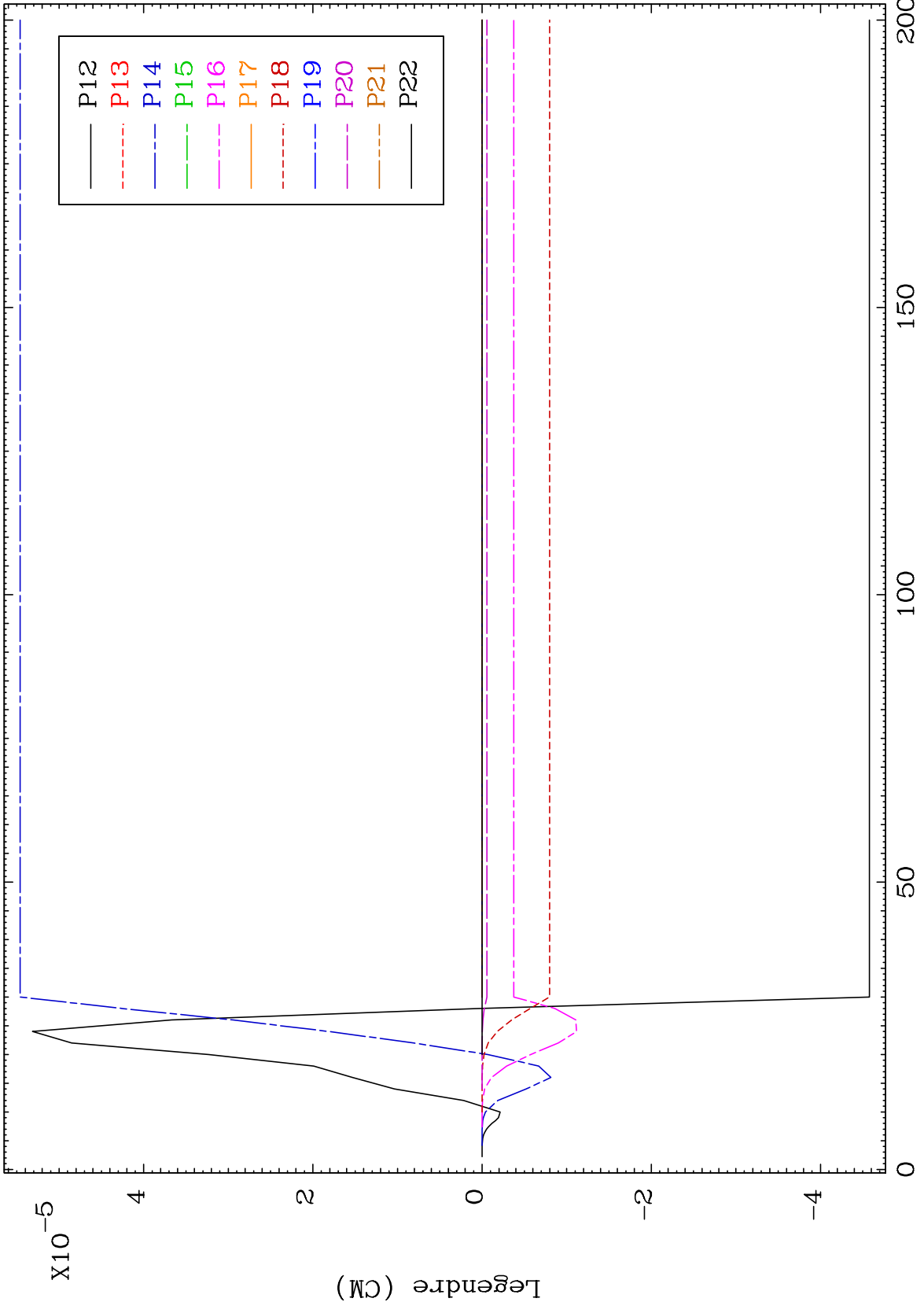
MAT 6880 MT= 63 (n,n') Level Legendre Coefficients 69-Tm-154



65 50 100 150 200 69-Tm-154



MAT 6880 MT= 64 (n,n') Level Legendre Coefficients 69-Tm-154

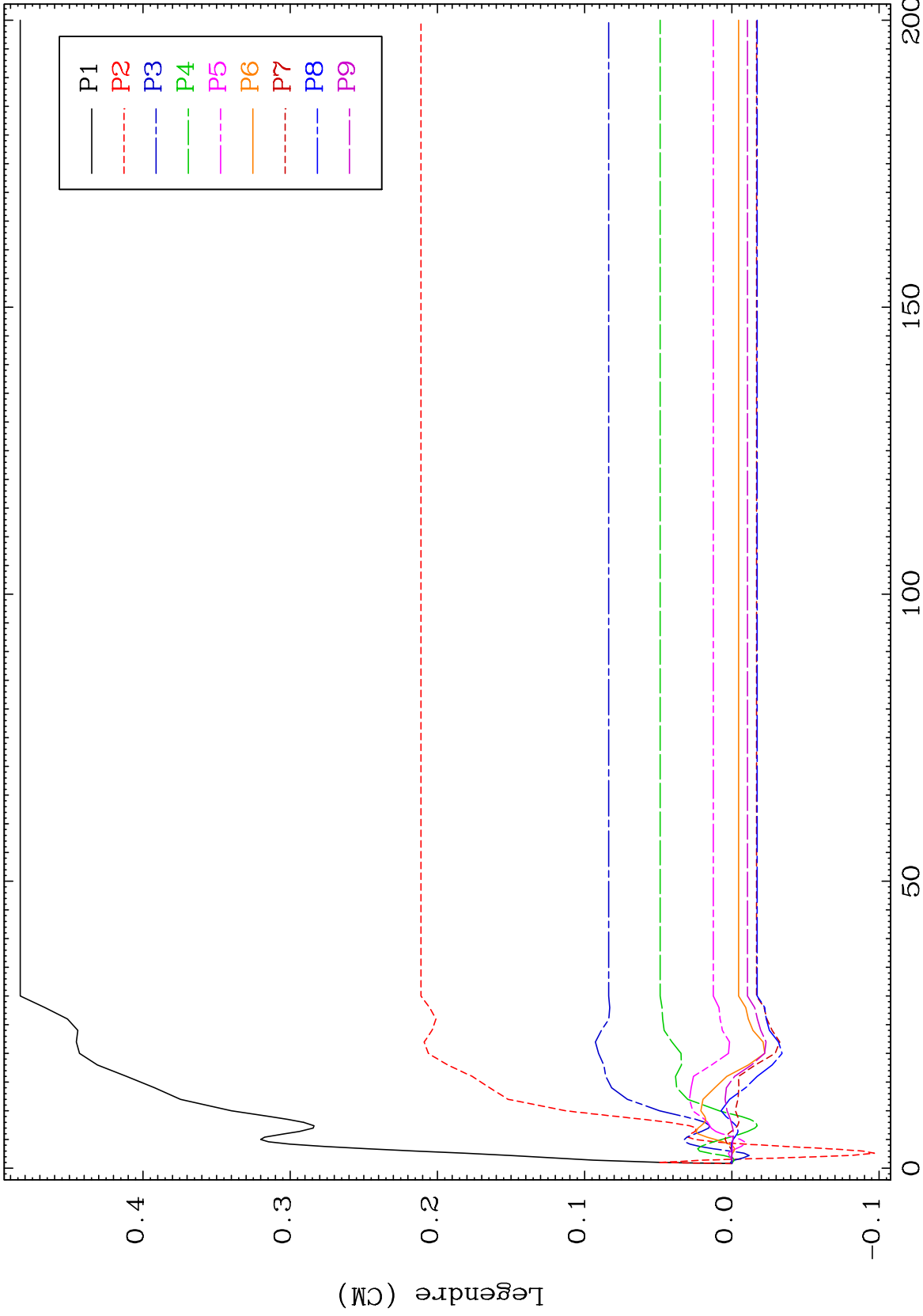


67 69-Tm-154

MAT 6880

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

69-Tm-154



68

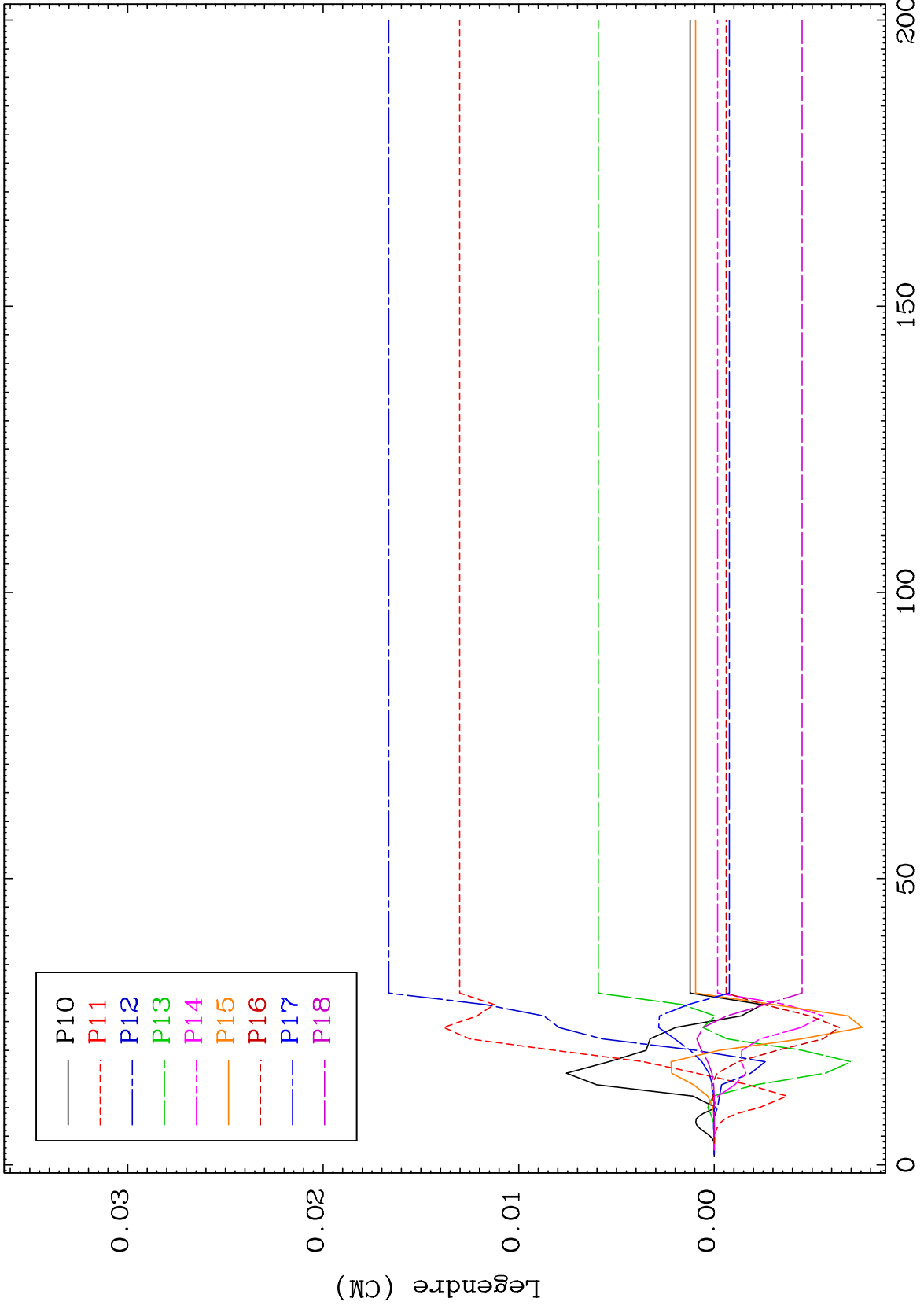
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154



69

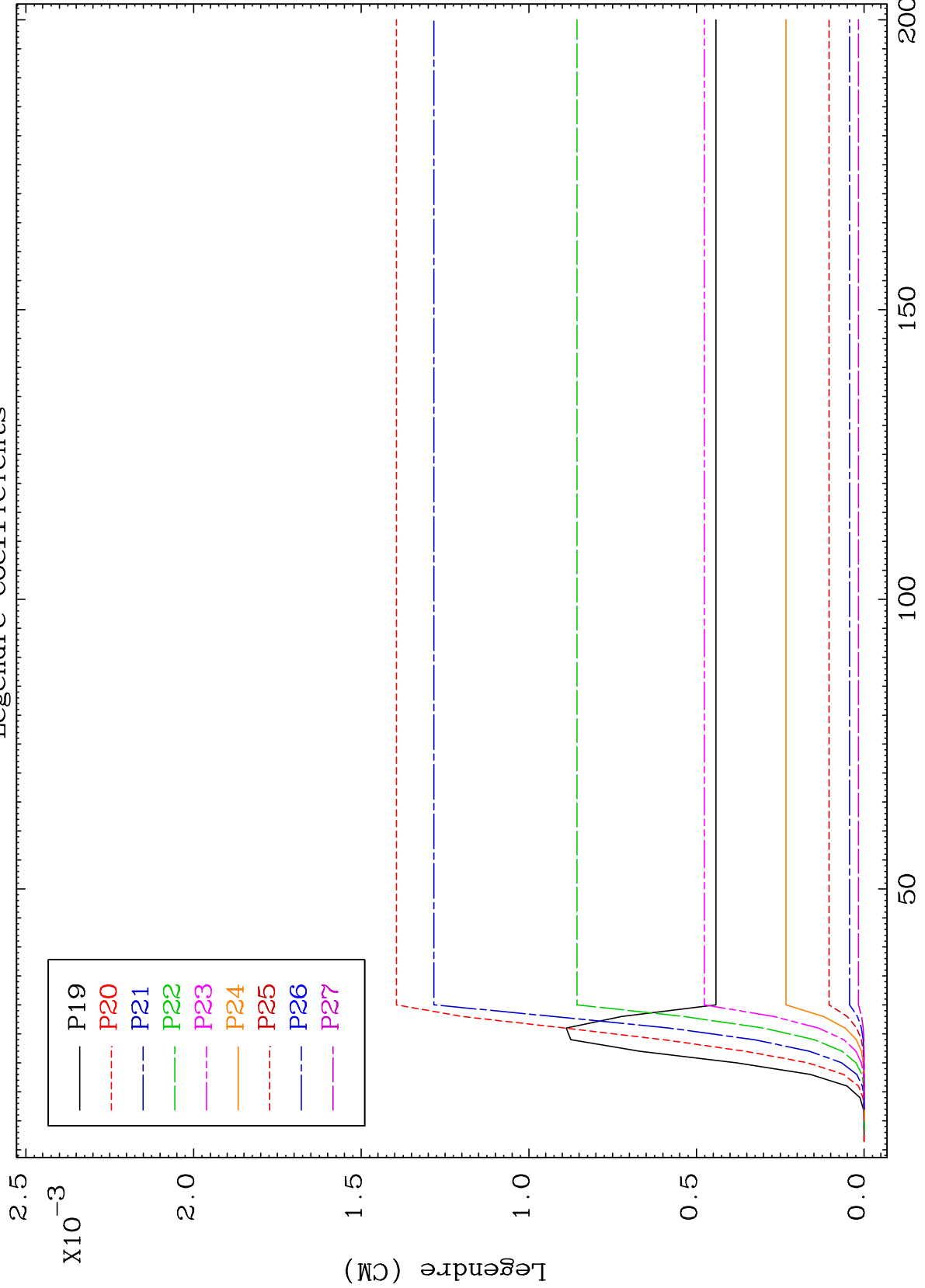
Incident Energy (MeV)

69-Tm-154

MAT 6880 MT= 65 (n,n') Level Legendre Coefficients

69-Tm-154

69-Tm-154

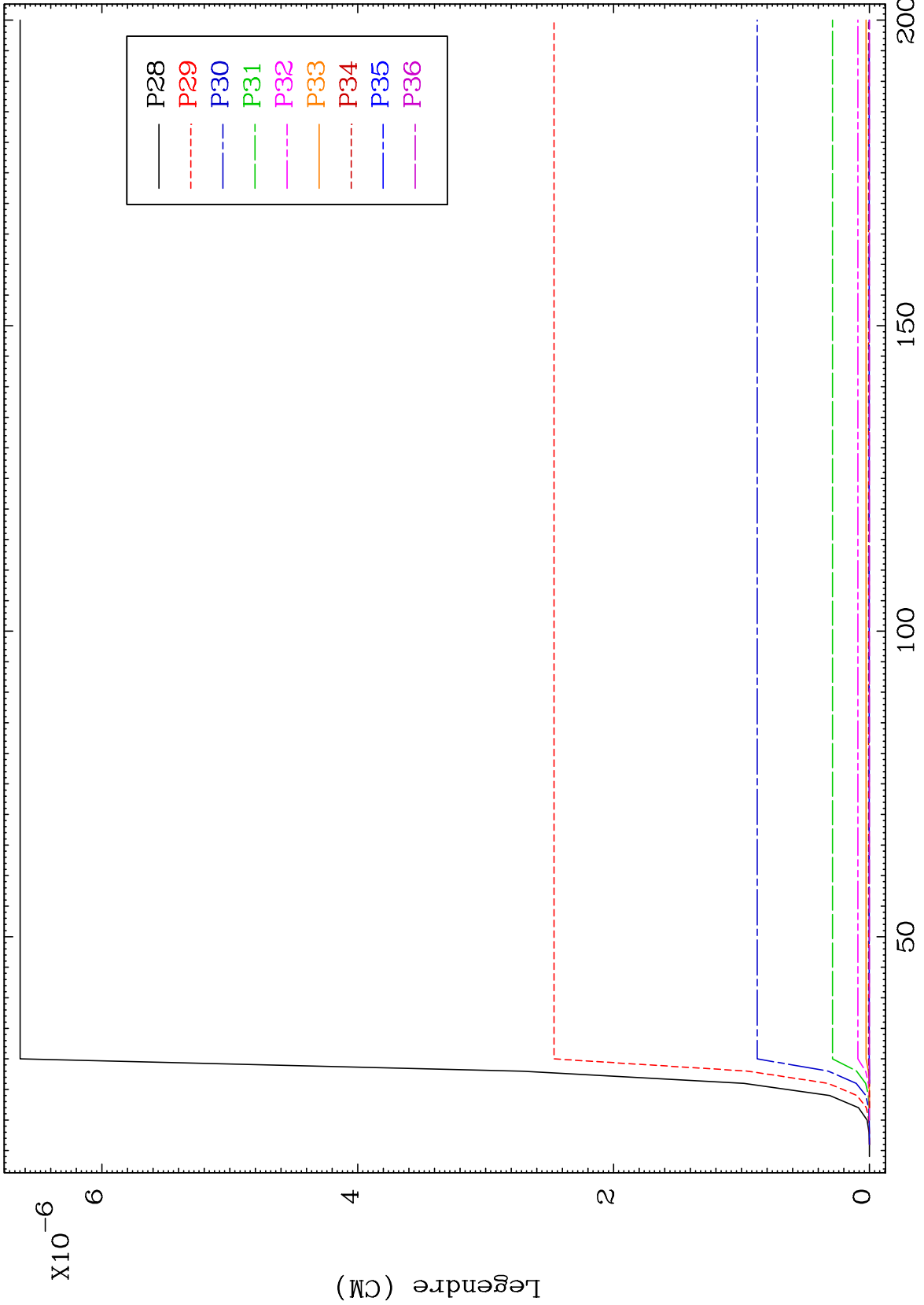


70

MAT 6880

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

69-Tm-154



71

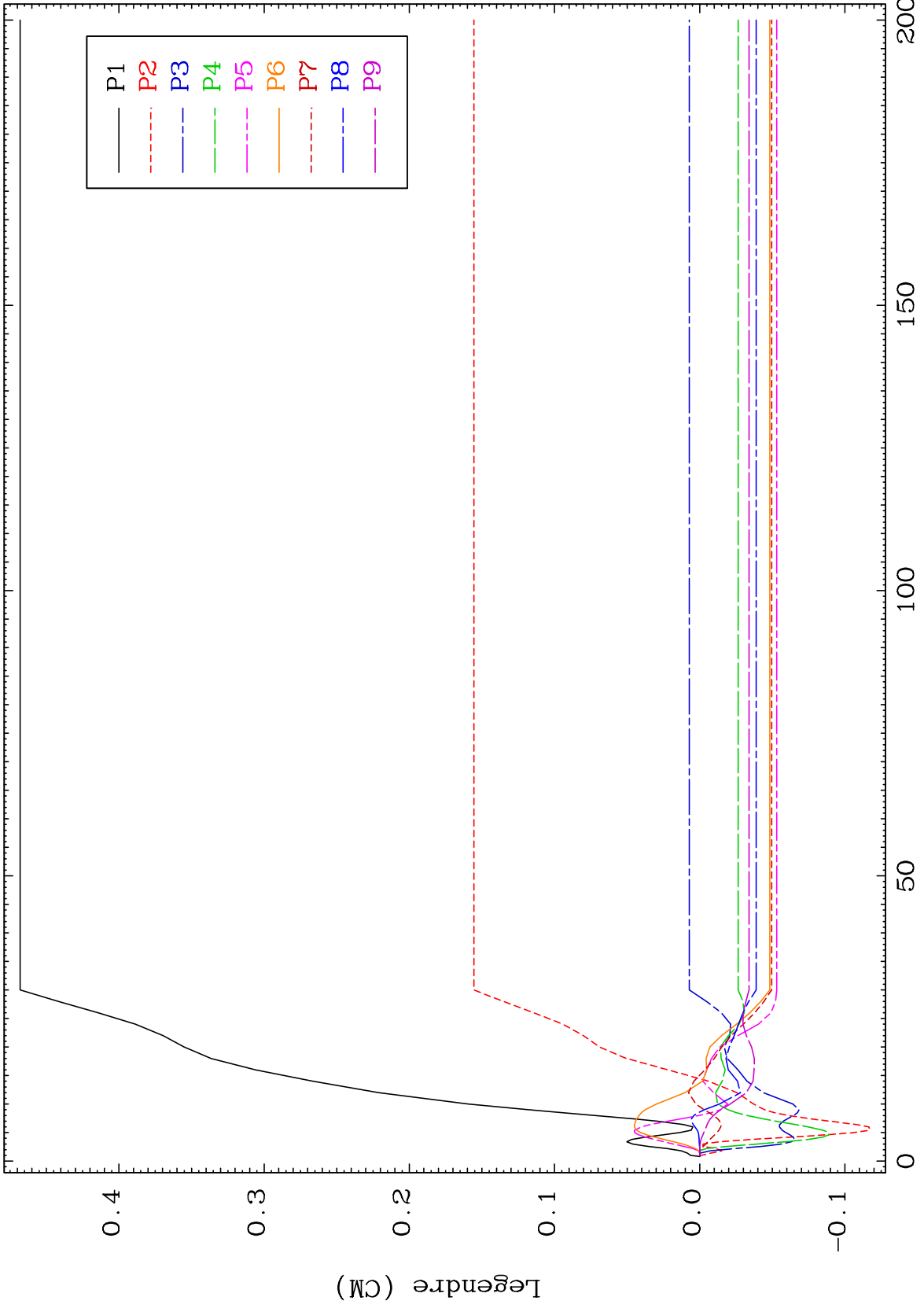
69-Tm-154



MAT 6880

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

69-Tm-154



72

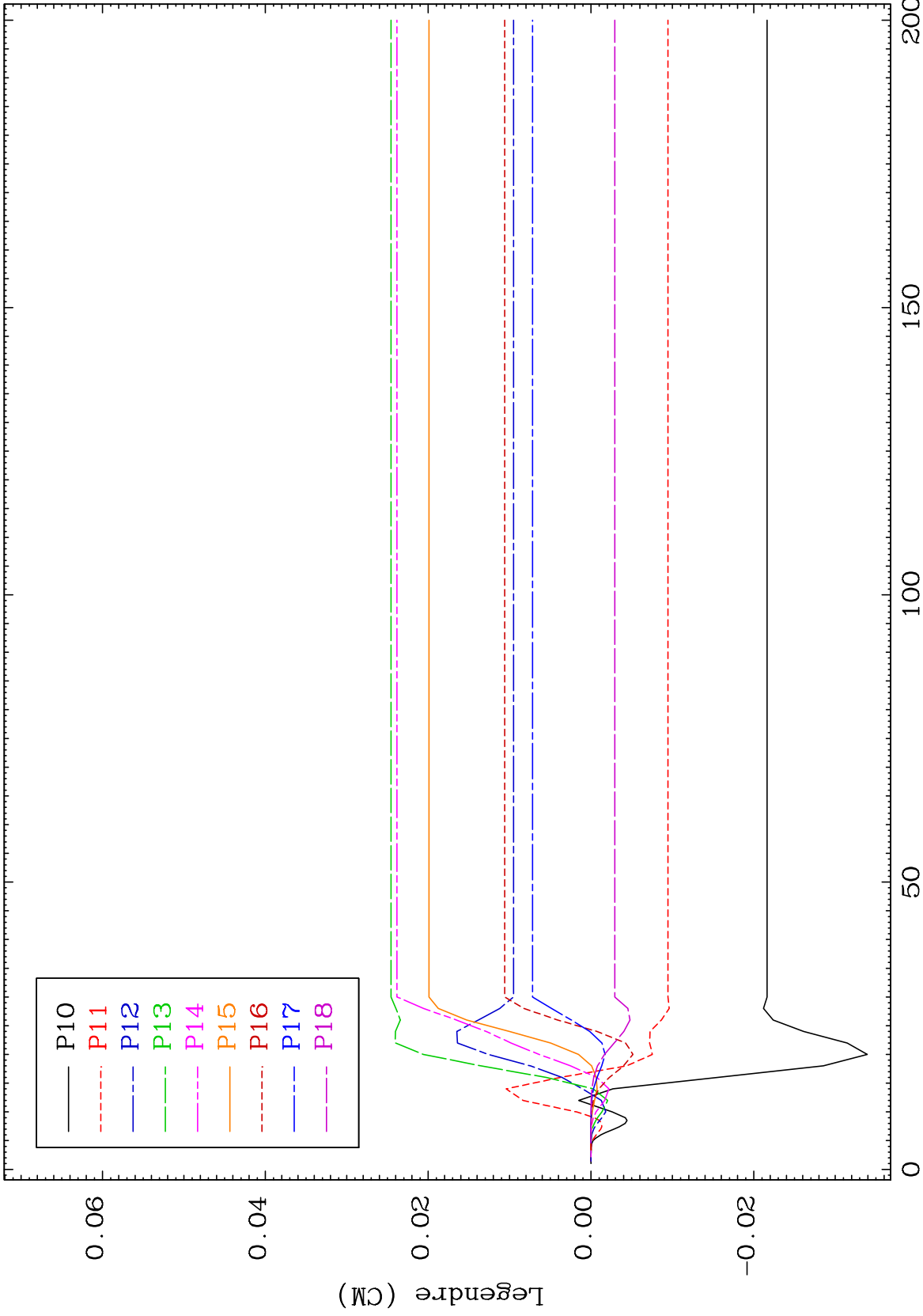
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154



73

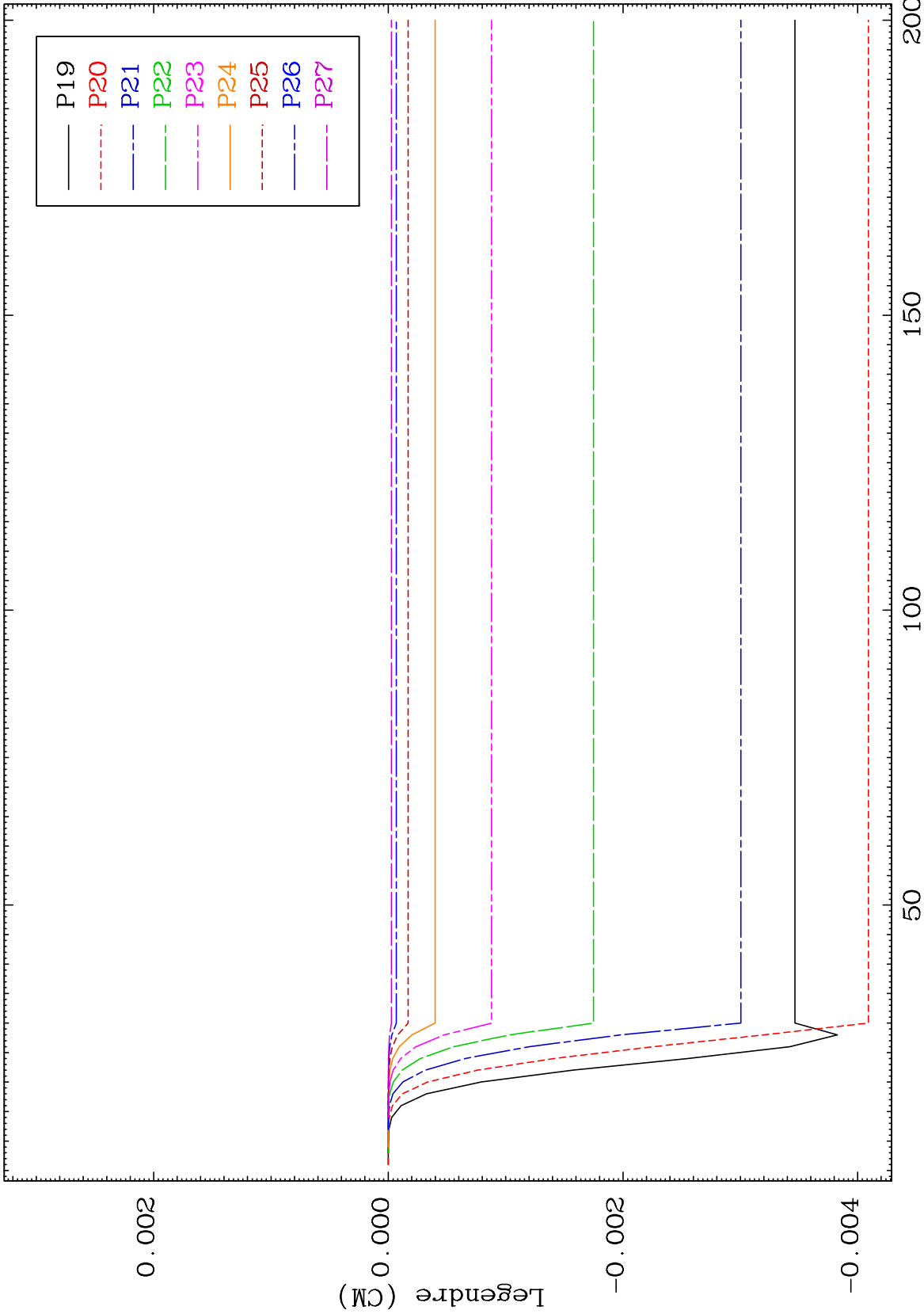
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154

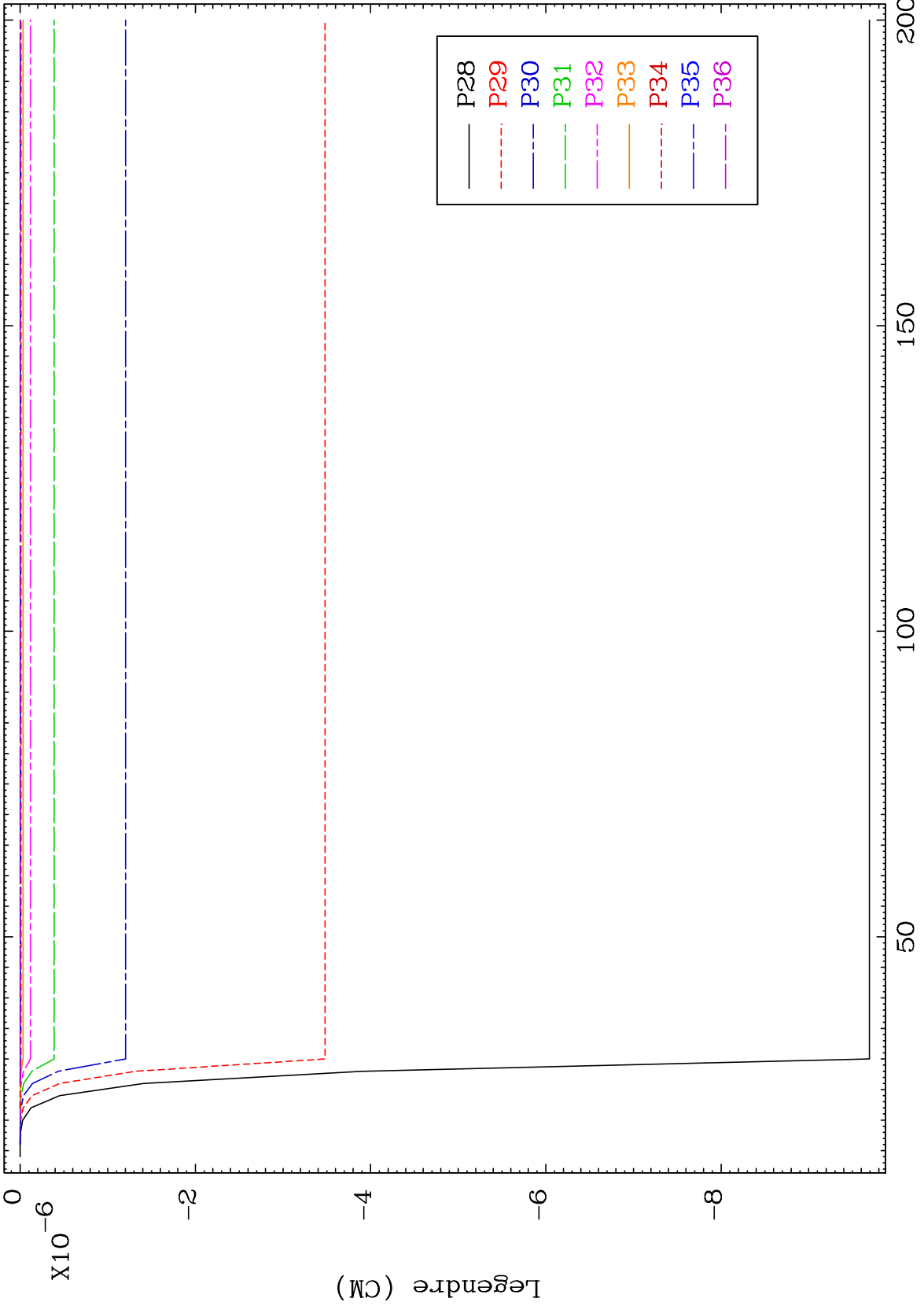


74

Incident Energy (MeV)

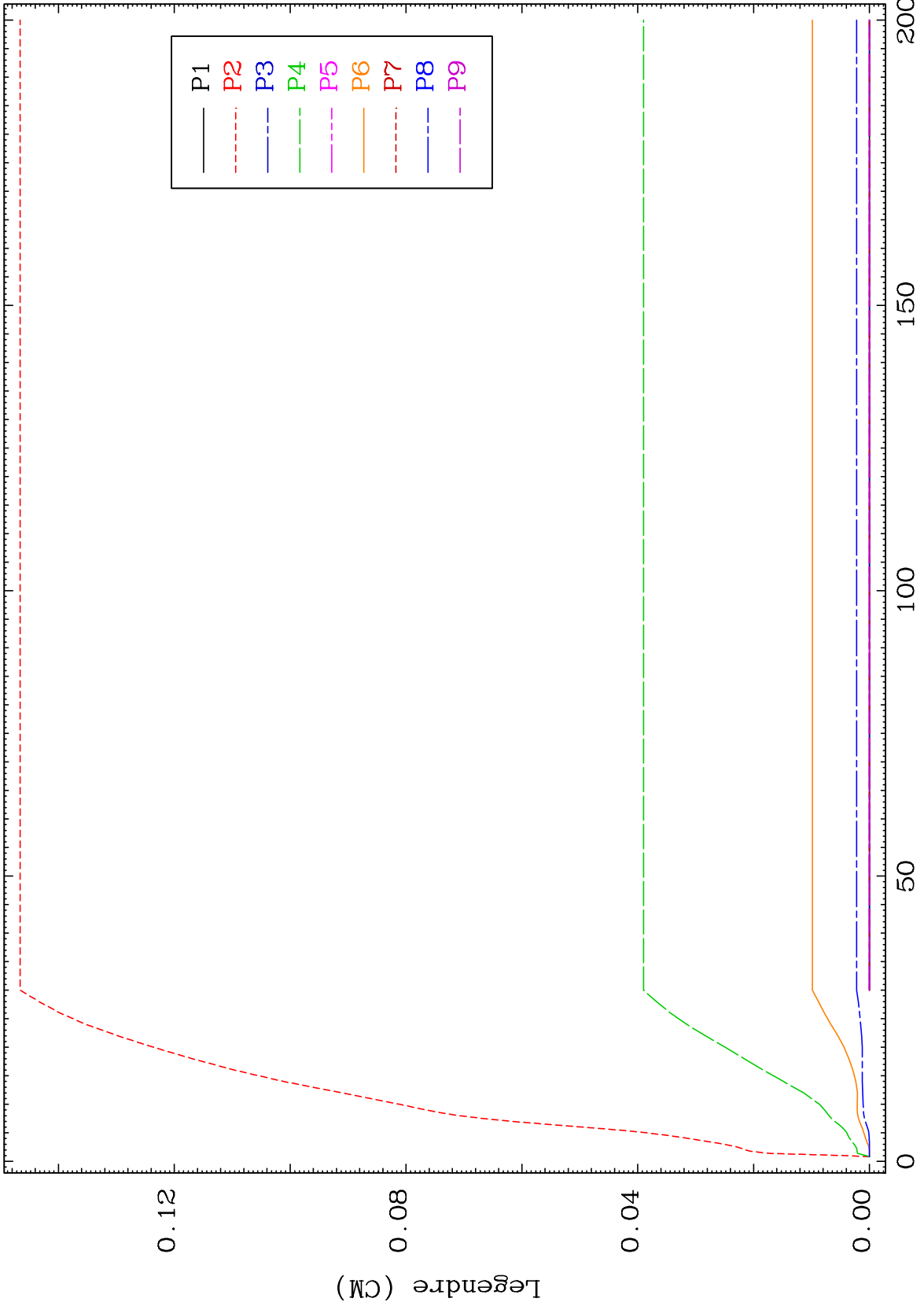
69-Tm-154

MAT 6880 MT= 66 (n,n') Level Legendre Coefficients 69-Tm-154



75 Incident Energy (MeV) 69-Tm-154

MAT 6880 MT= 67 (n,n') Level Legendre Coefficients 69-Tm-154

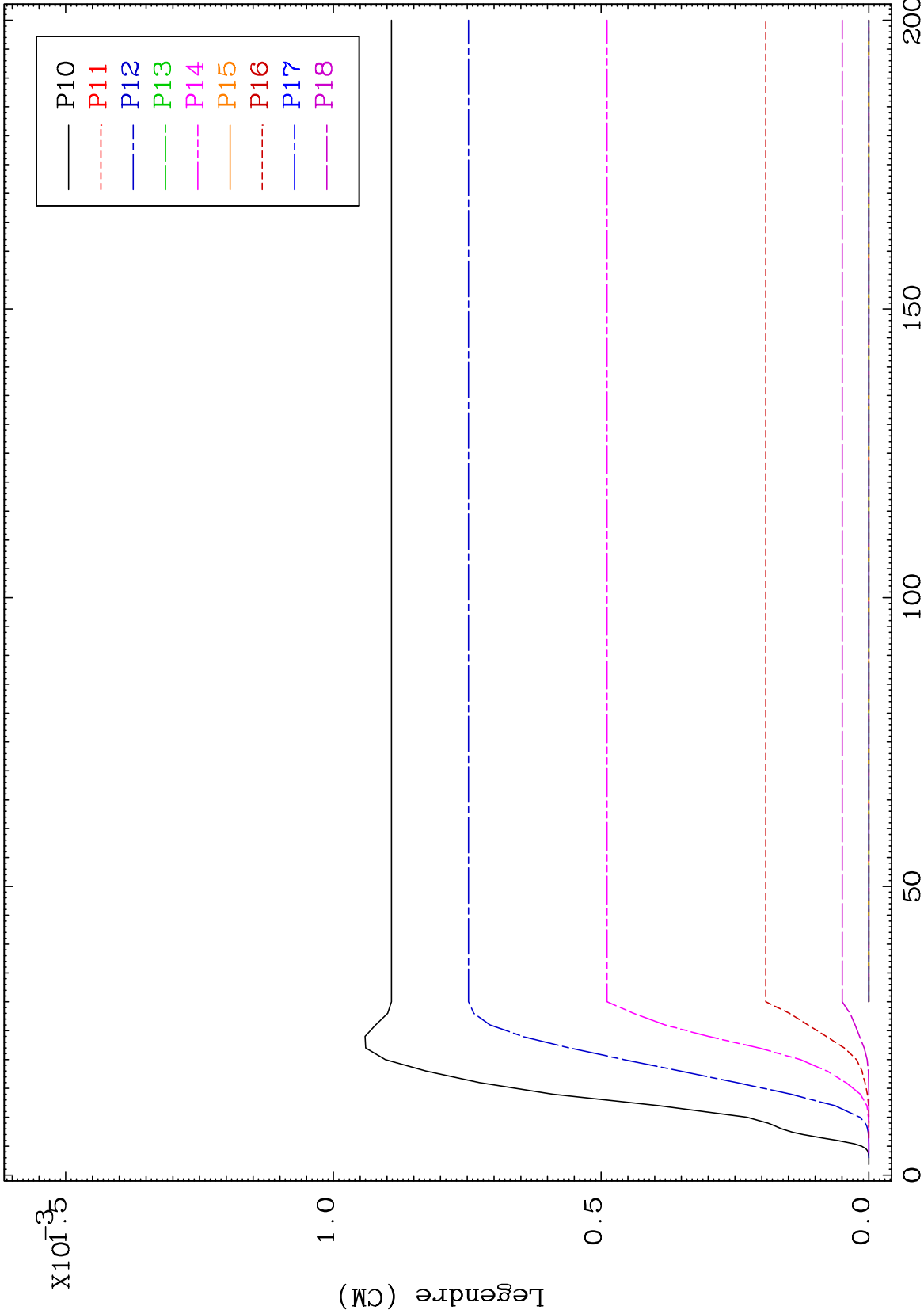


76 Incident Energy (MeV) 69-Tm-154

MAT 6880

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

69-Tm-154

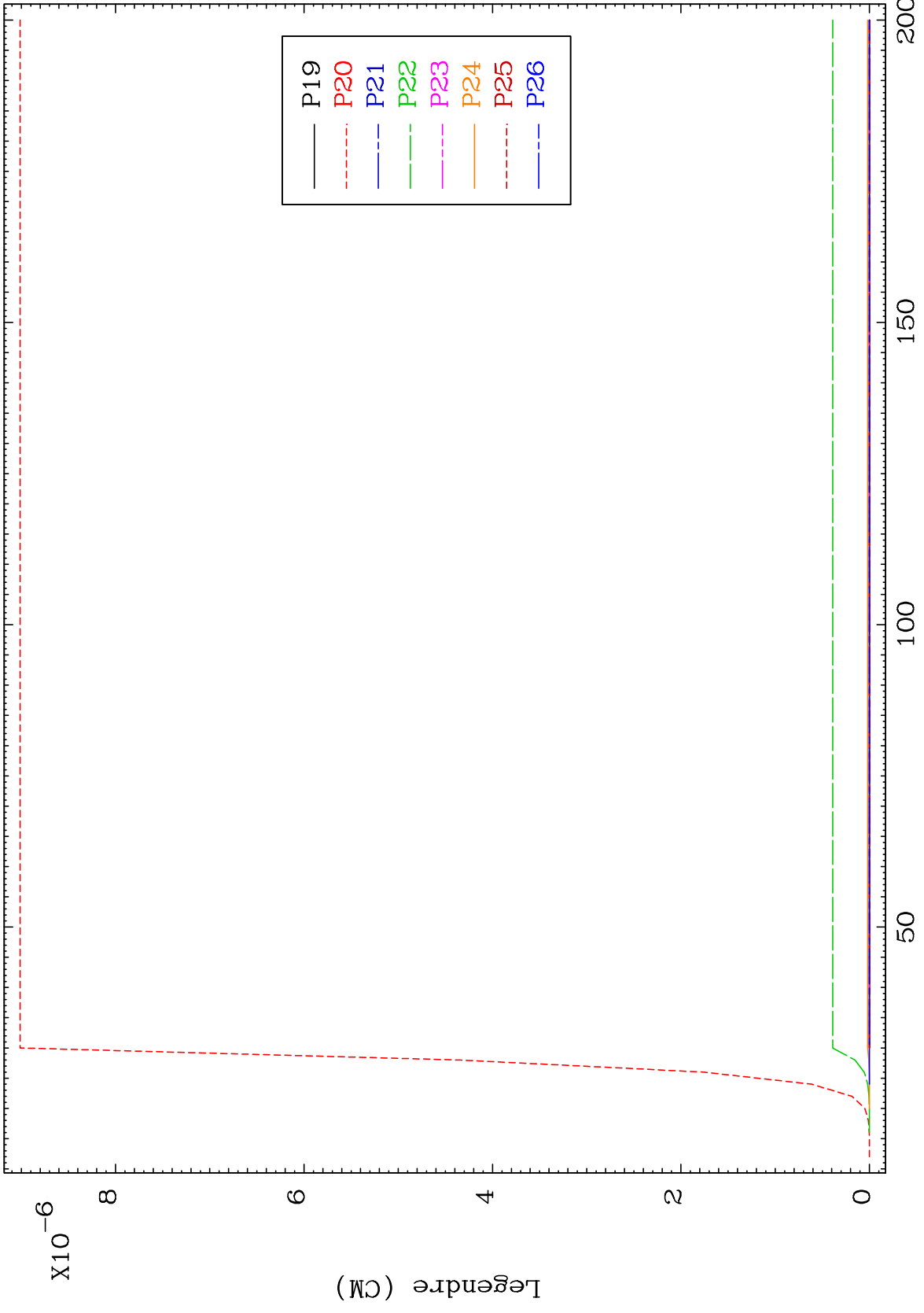


77

Incident Energy (MeV)

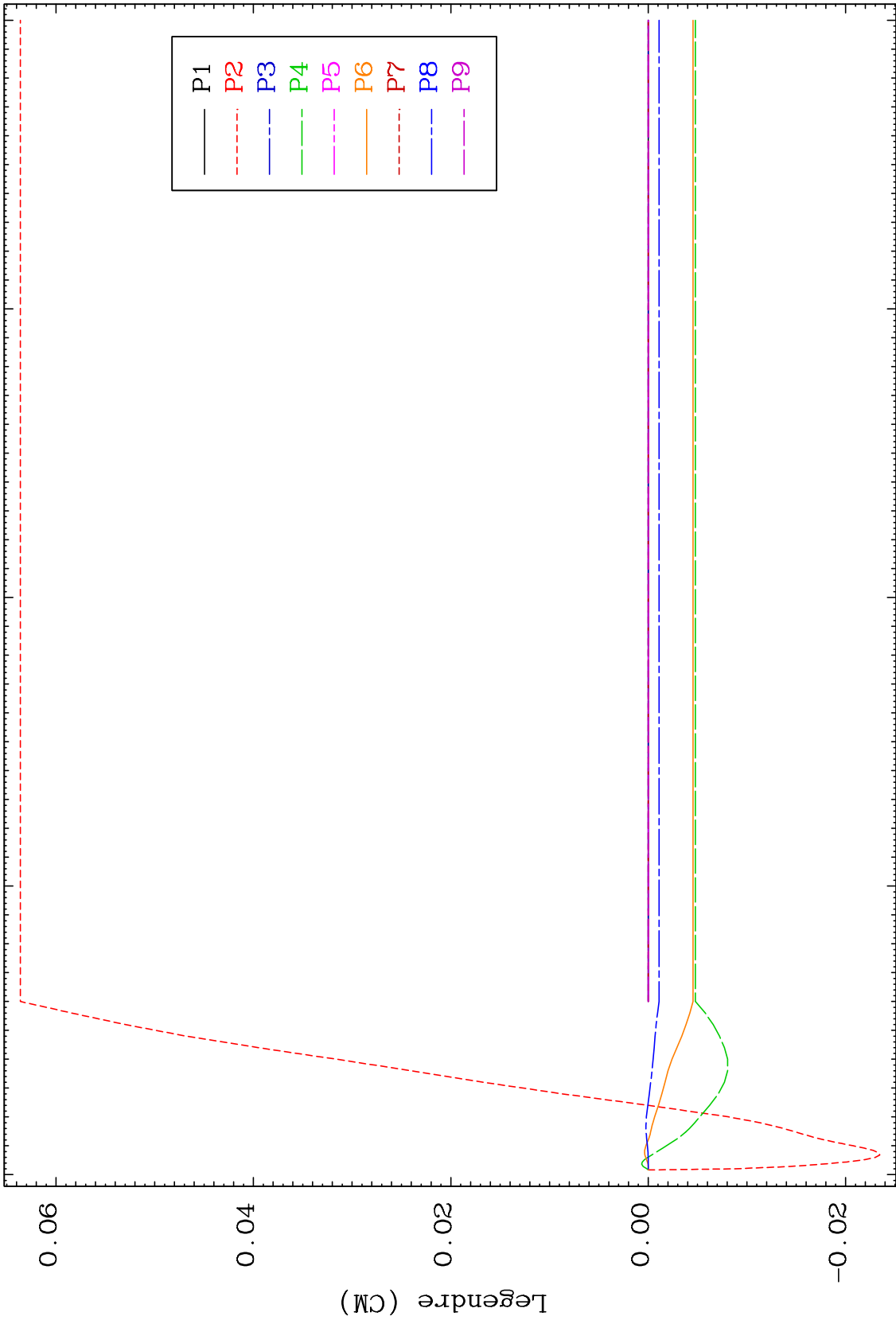
69-Tm-154

MAT 6880 MT= 67 (n,n') Level Legendre Coefficients 69-Tm-154



78 Incident Energy (MeV) 69-Tm-154

MAT 6880 MT= 68 (n,n') Level Legendre Coefficients 69-Tm-154



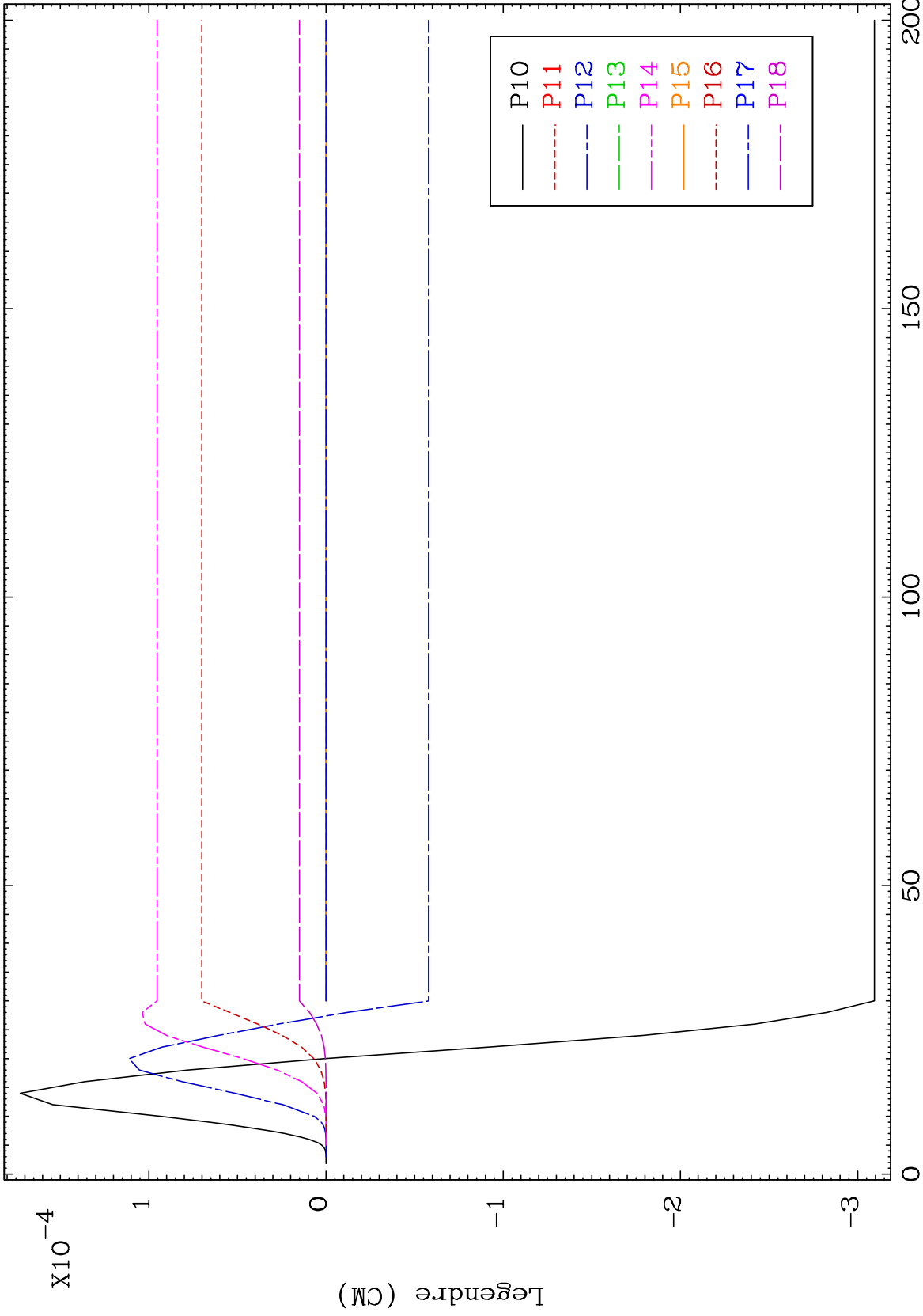
79 Incident Energy (MeV) 69-Tm-154



MAT 6880

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

69-Tm-154



80

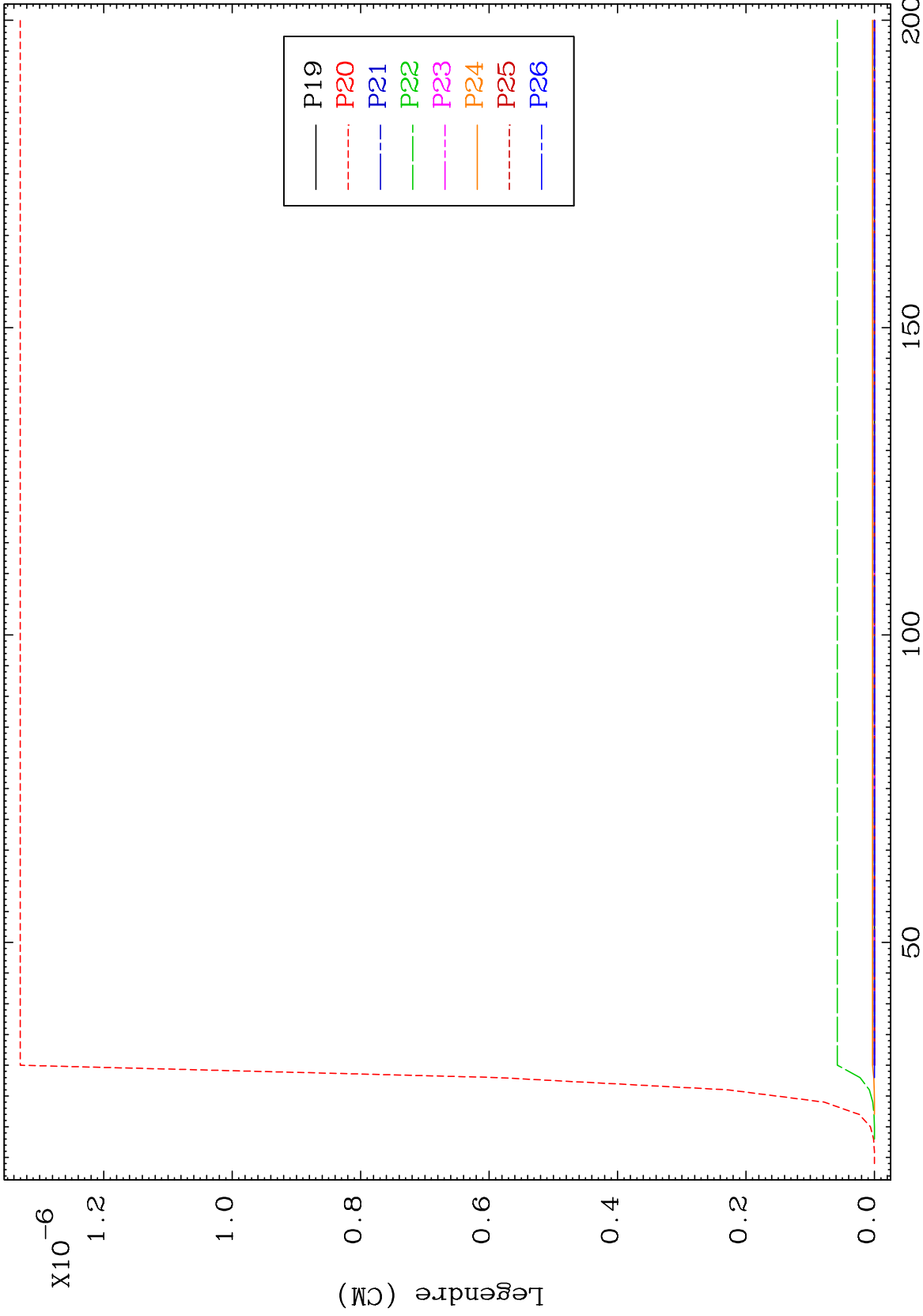
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154

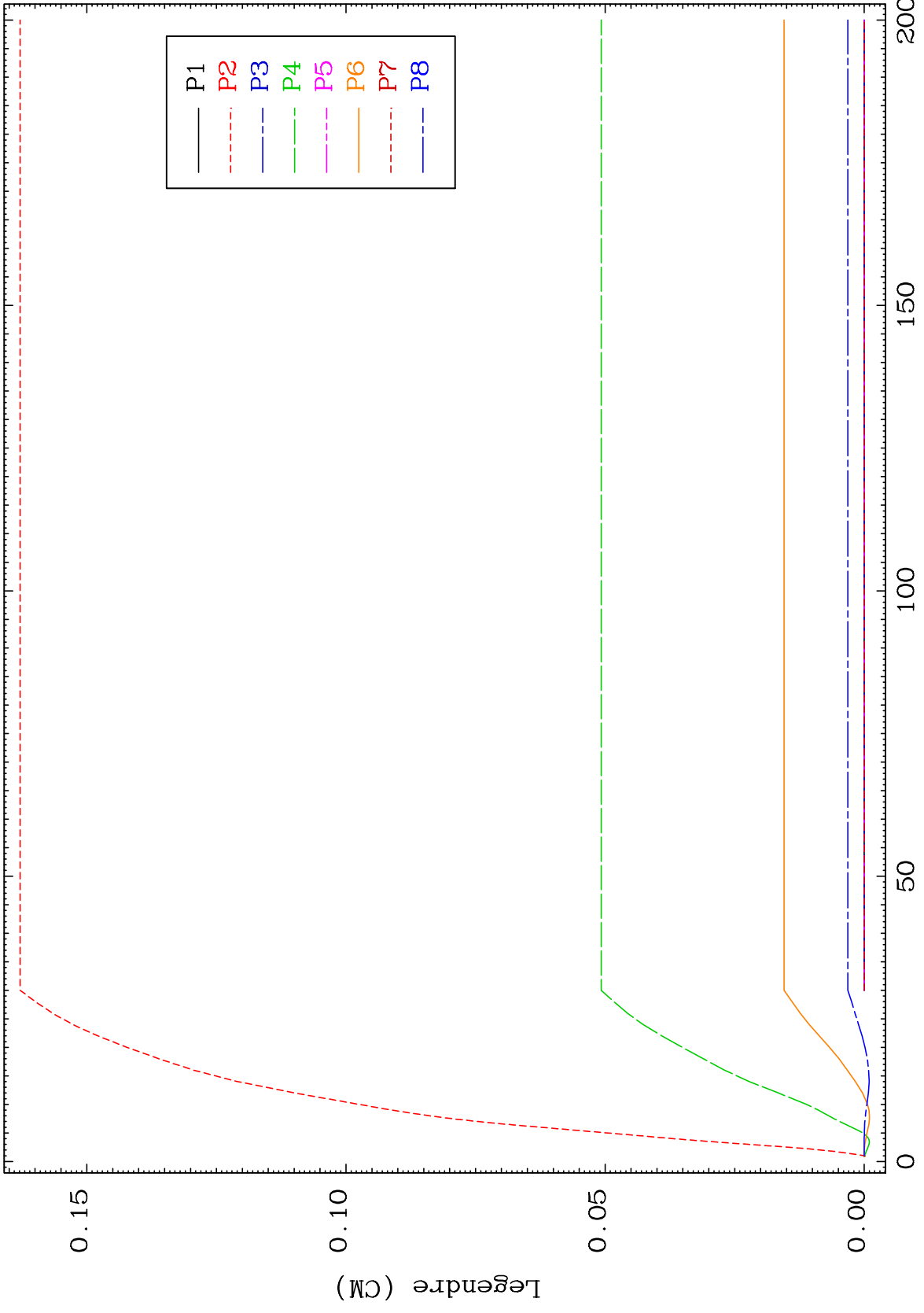


81

Incident Energy (MeV)

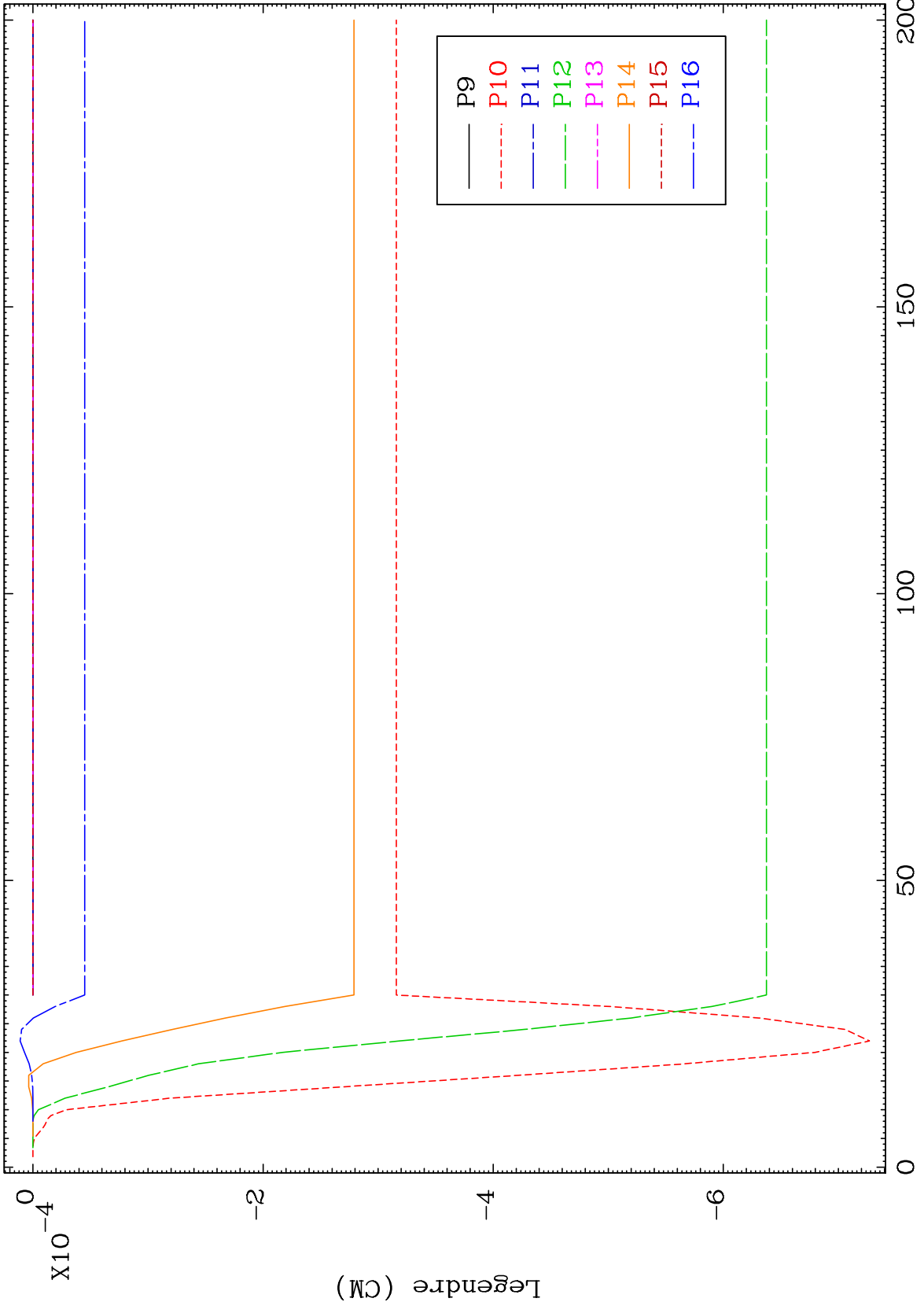
69-Tm-154

MAT 6880 MT= 69 (n,n') Level Legendre Coefficients 69-Tm-154



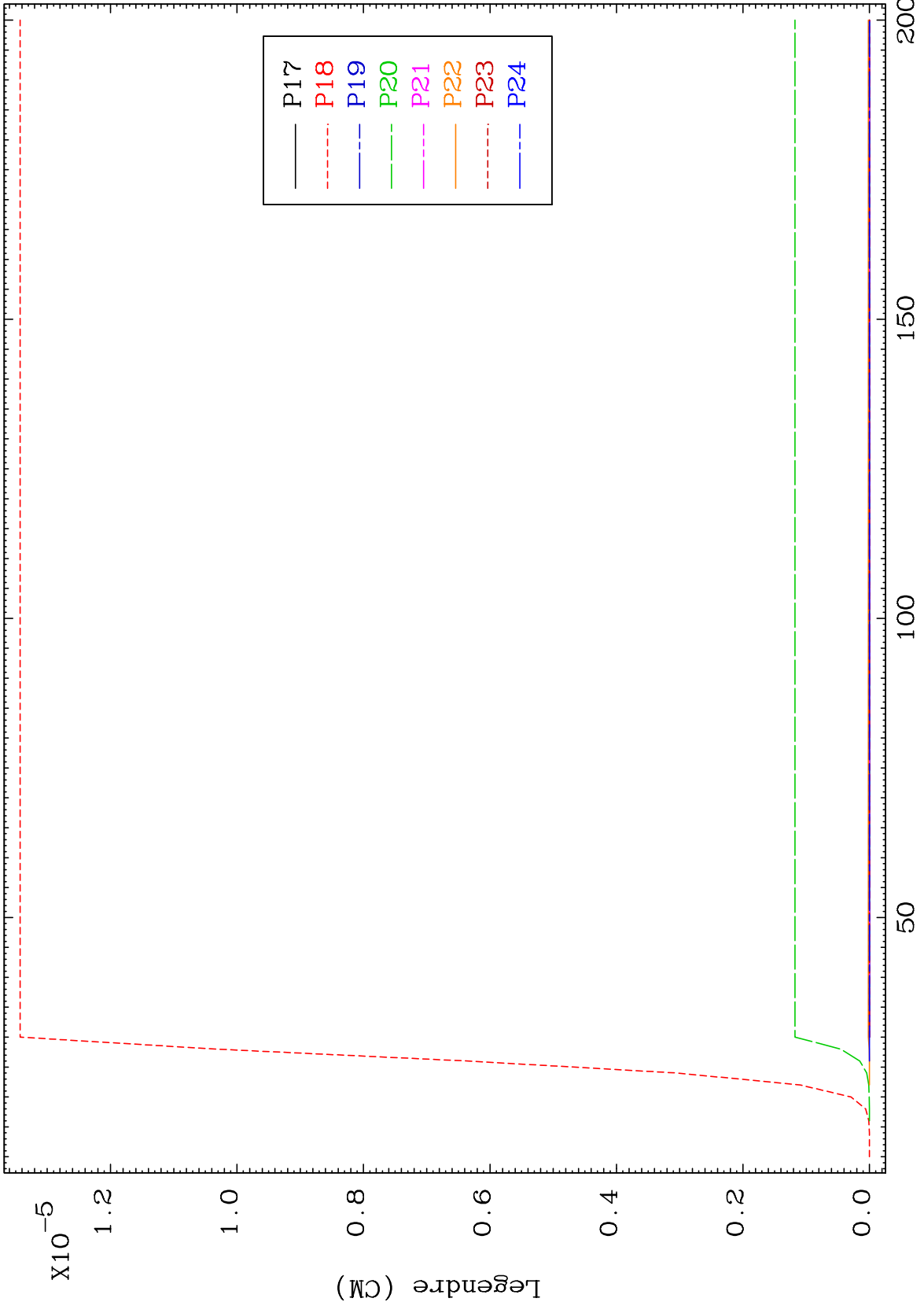
82 69-Tm-154

MAT 6880 MT= 69 (n,n') Level Legendre Coefficients 69-Tm-154



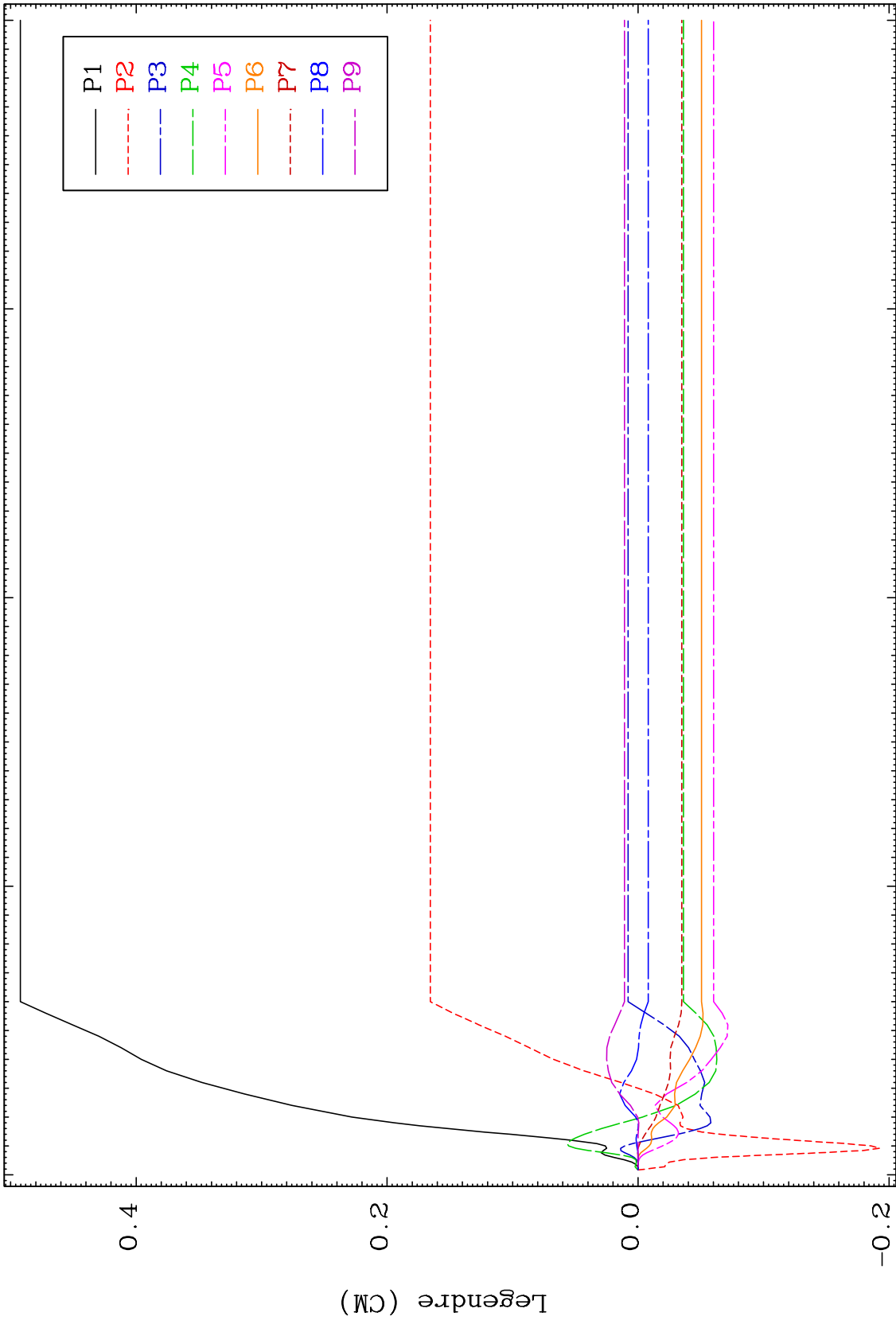
83 Incident Energy (MeV) 69-Tm-154

MAT 6880 MT= 69 (n,n') Level Legendre Coefficients 69-Tm-154



84 Incident Energy (MeV) 69-Tm-154

MAT 6880 MT= 70 (n,n') Level Legendre Coefficients 69-Tm-154

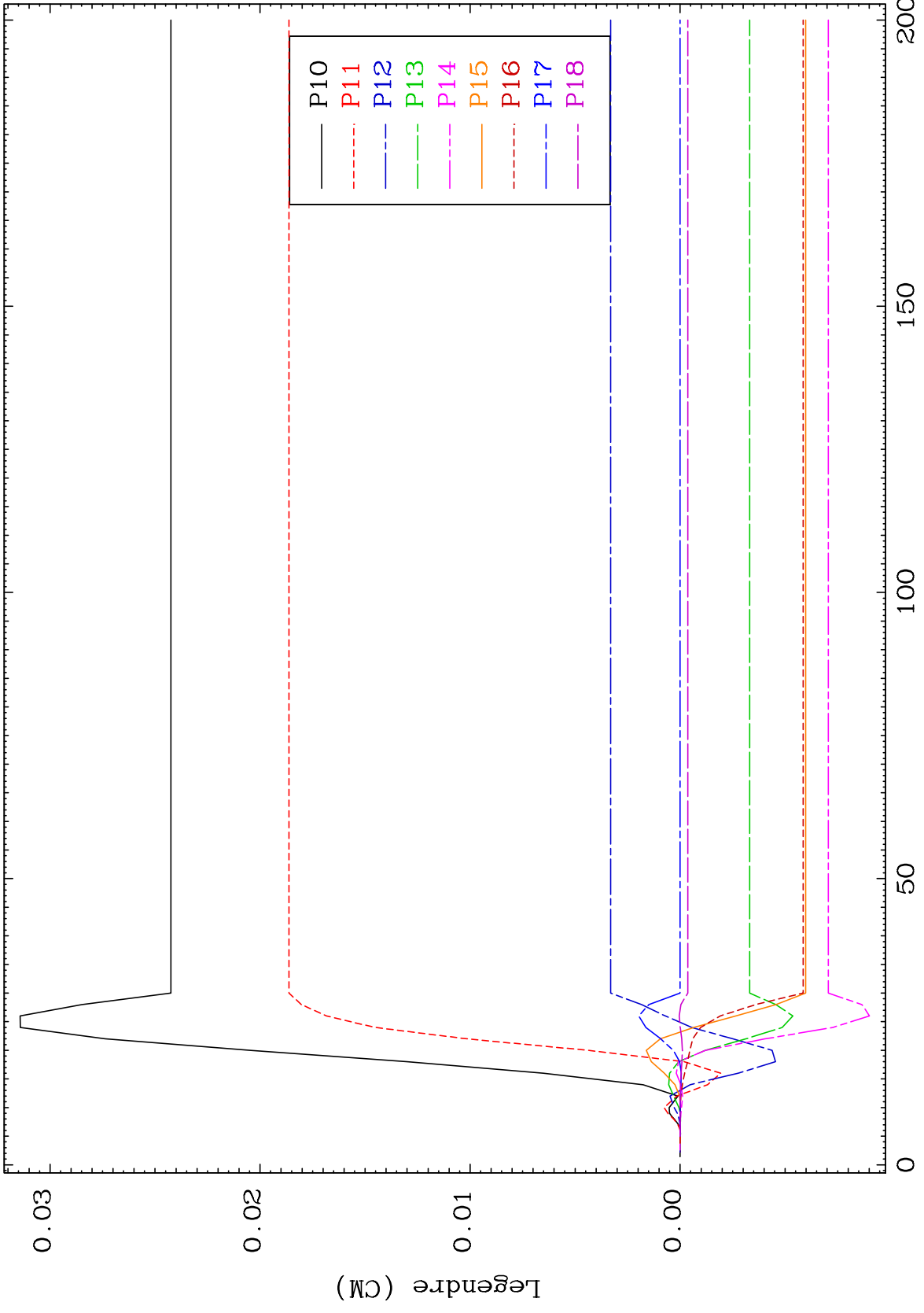


85 Incident Energy (MeV) 69-Tm-154

MAT 6880

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

69-Tm-154



86

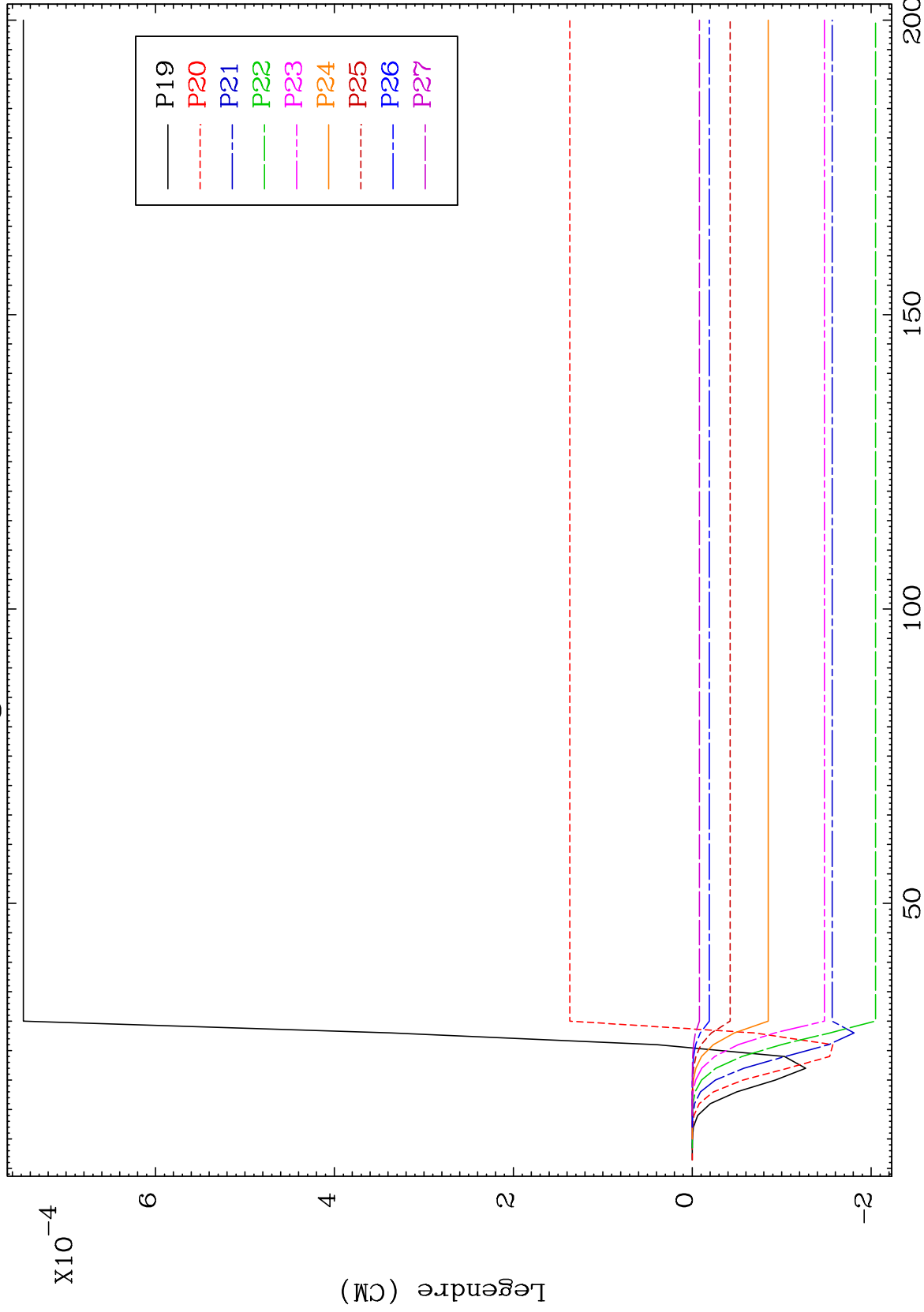
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154



87

Incident Energy (MeV)

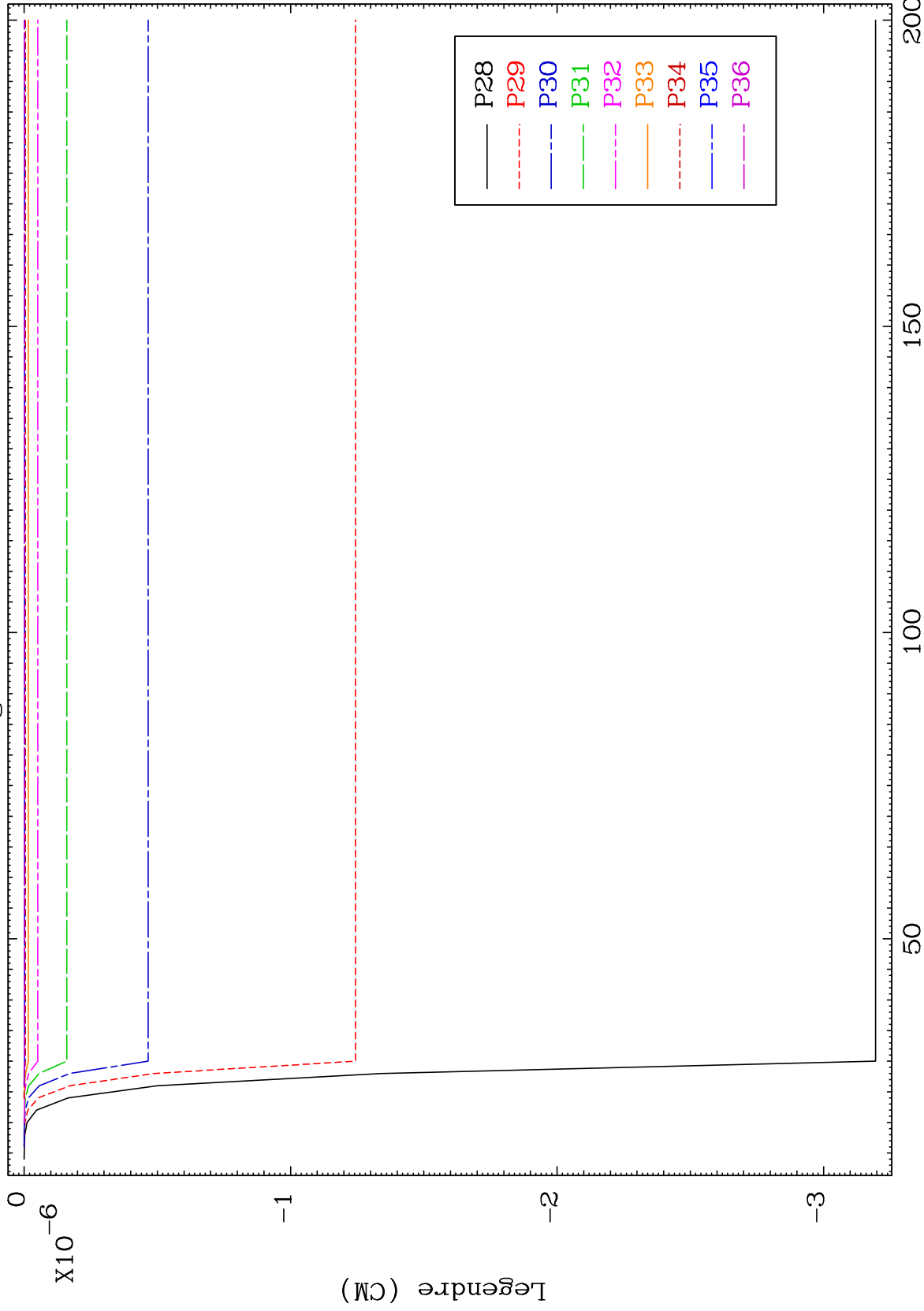
69-Tm-154



MAT 6880

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

69-Tm-154

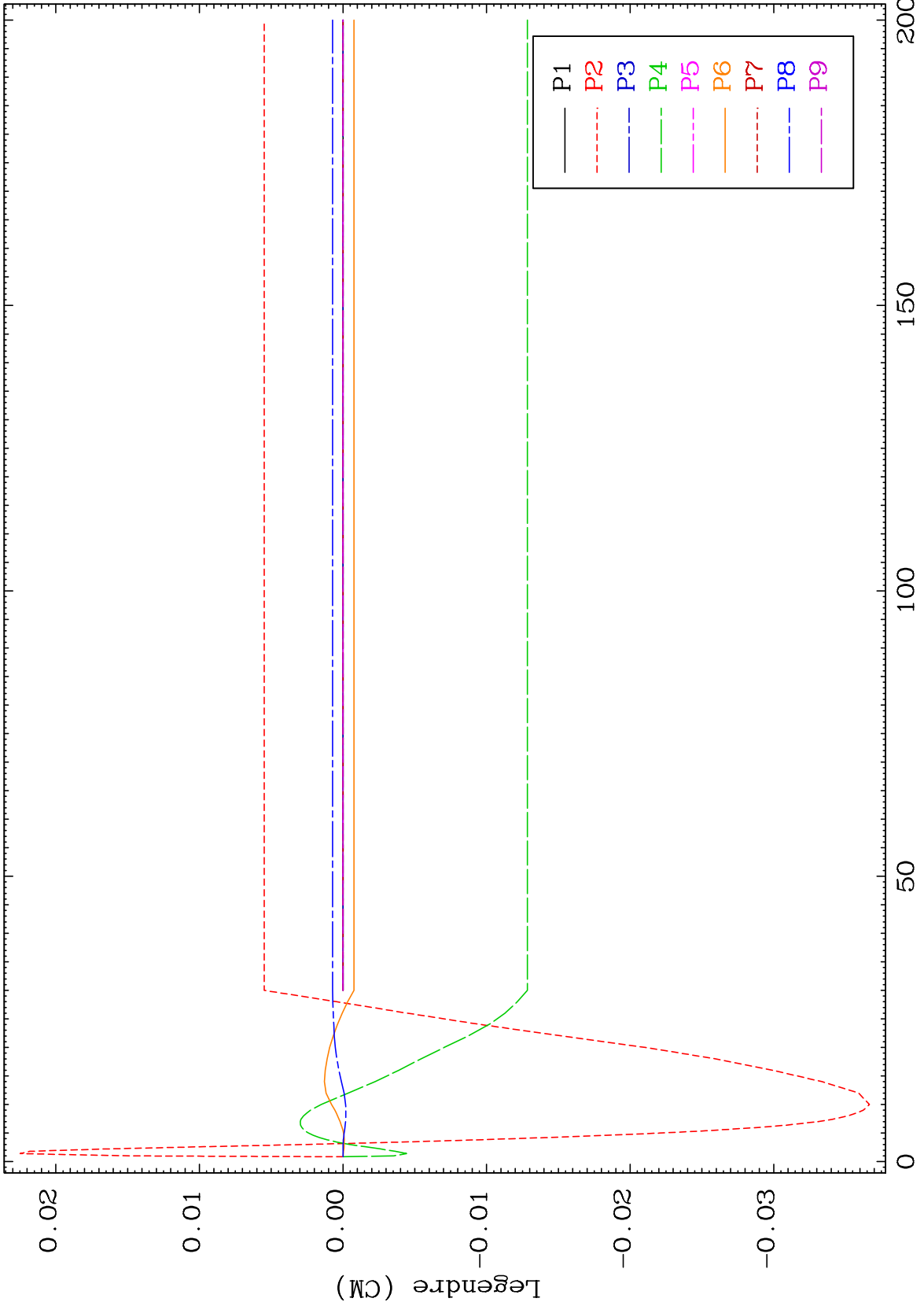


88

Incident Energy (MeV)

69-Tm-154

MAT 6880 MT= 71 (n,n') Level Legendre Coefficients 69-Tm-154

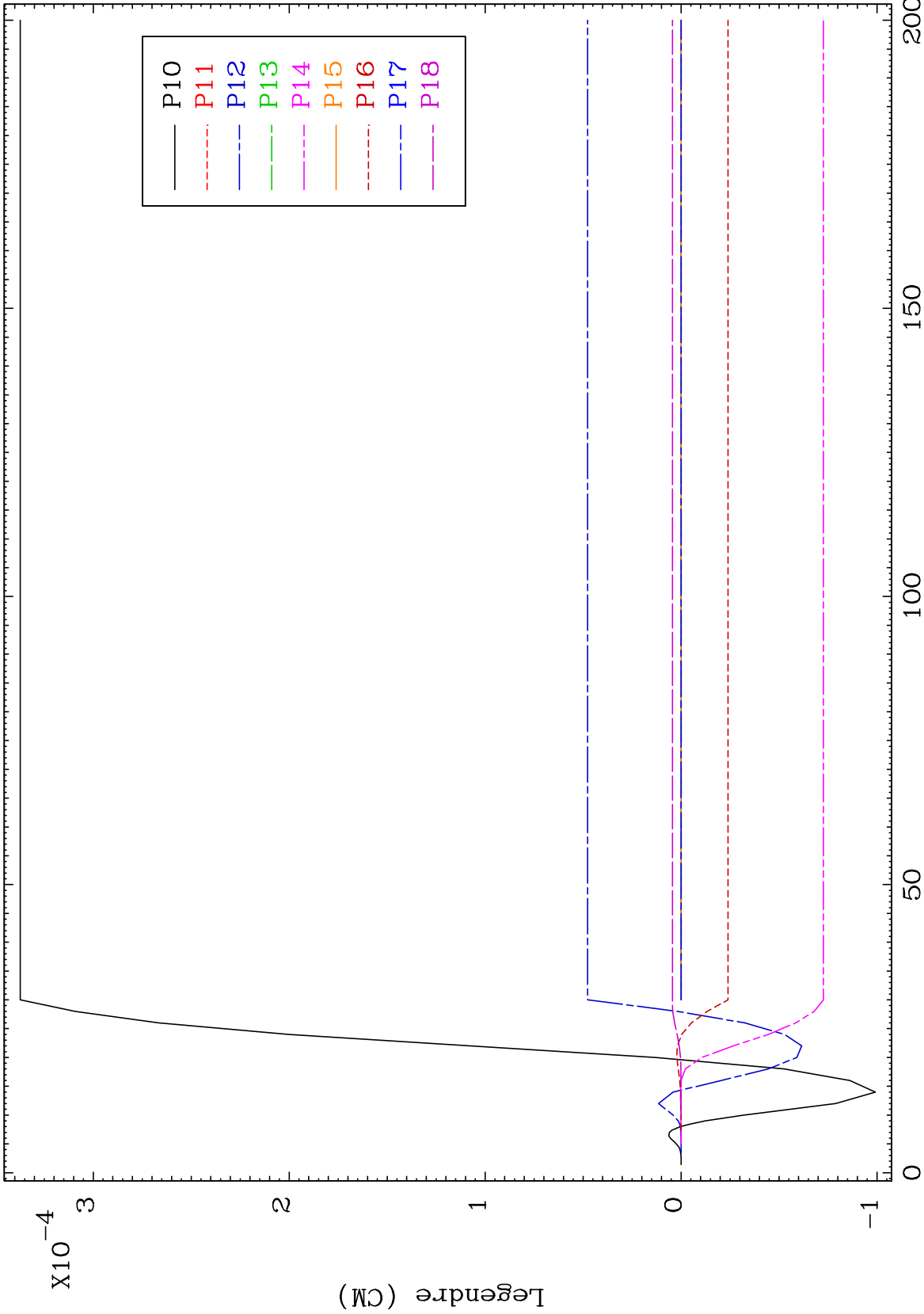


89 69-Tm-154

MAT 6880

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

69-Tm-154

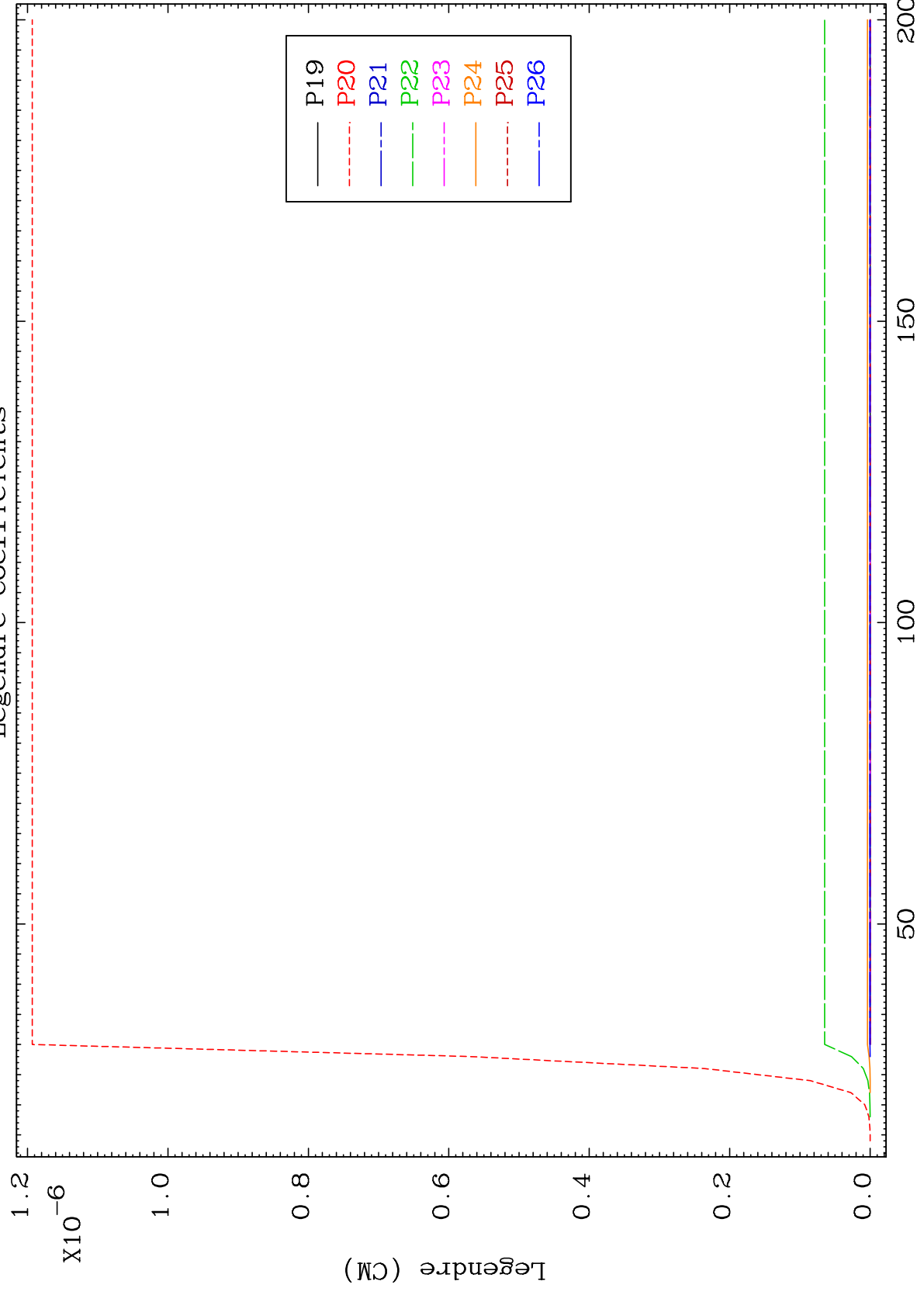


90

Incident Energy (MeV)

69-Tm-154

MAT 6880 MT= 71 (n,n') Level Legendre Coefficients 69-Tm-154

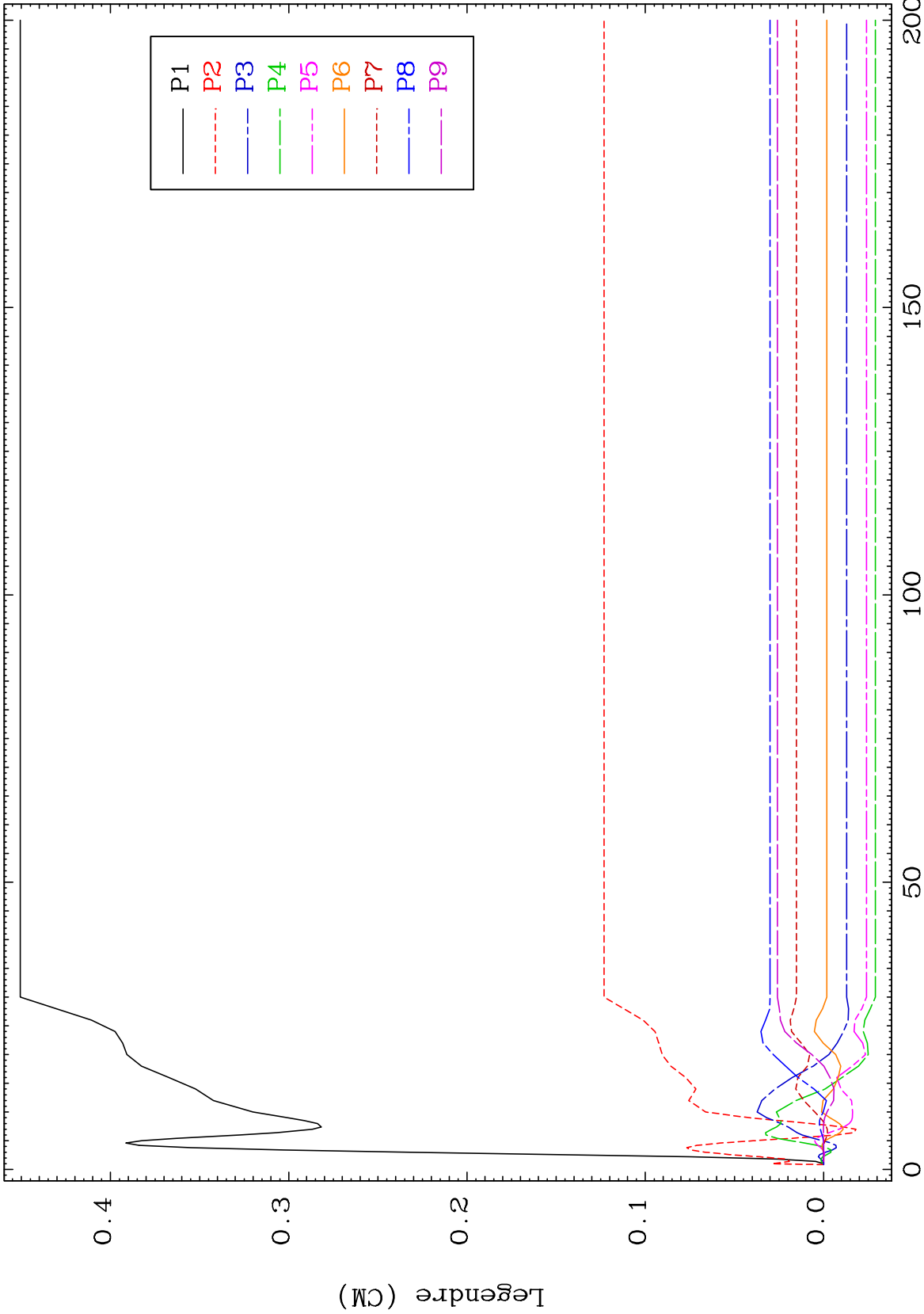


91 69-Tm-154

MAT 6880

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

69-Tm-154



92

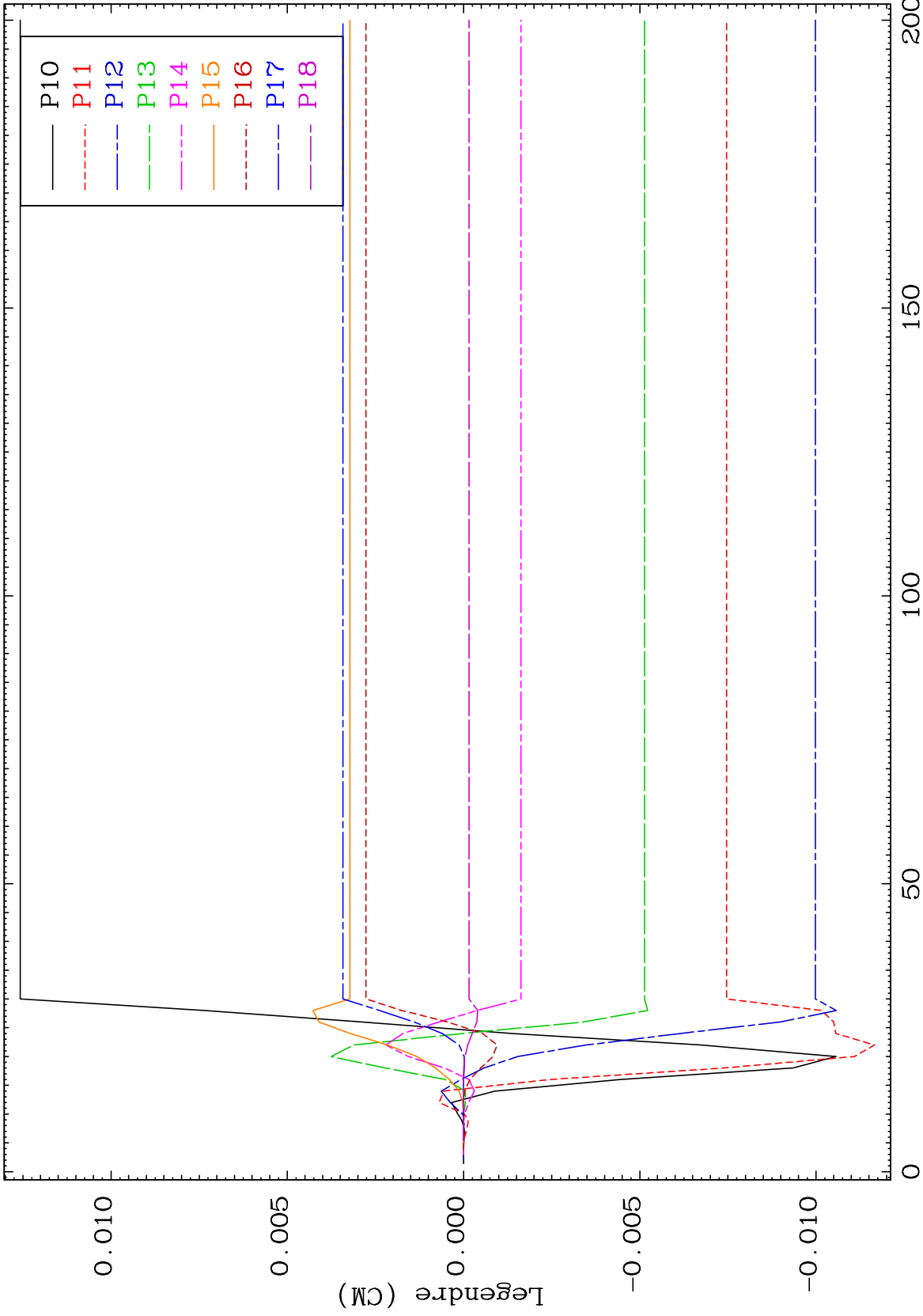
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154



93

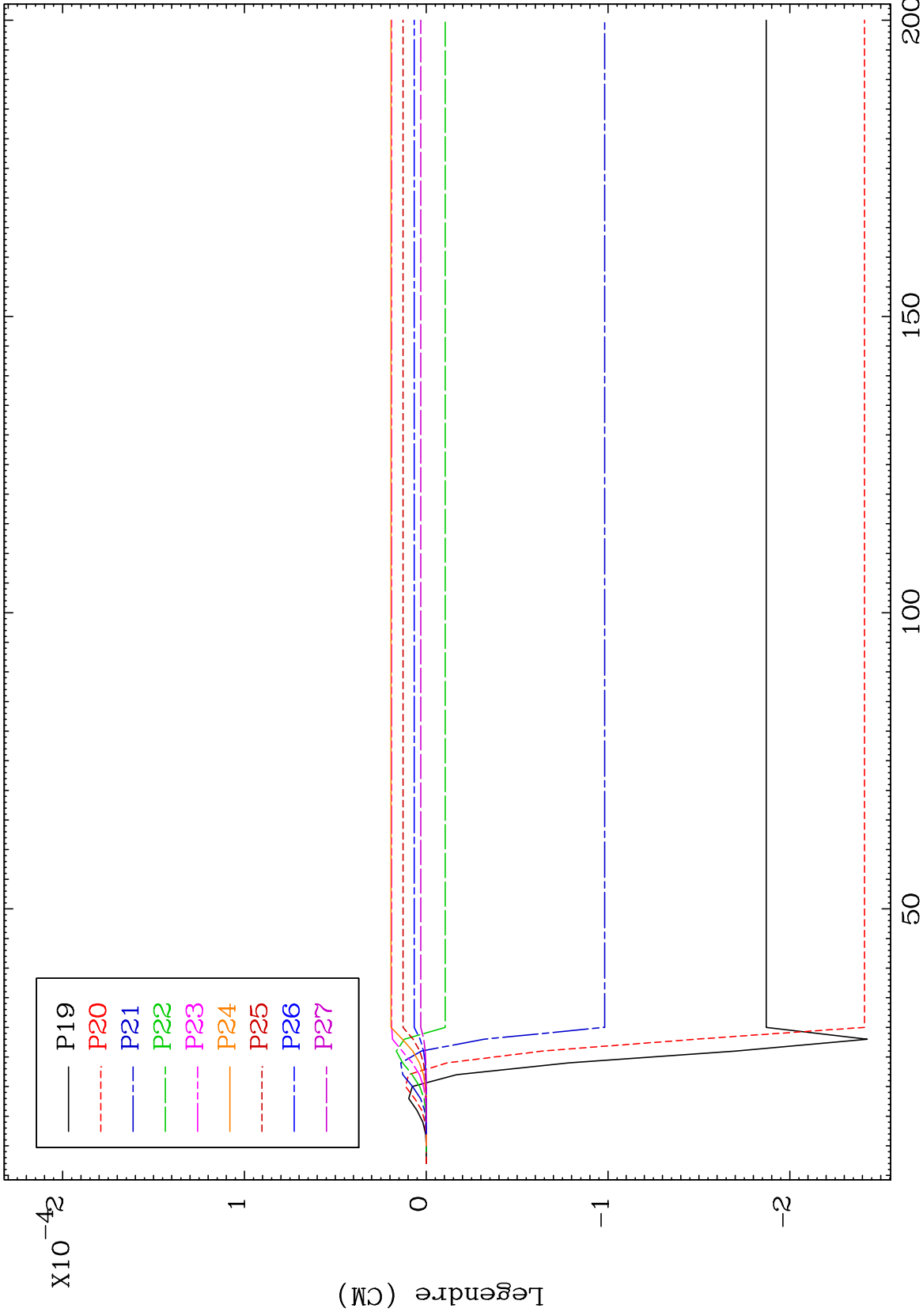
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154



94

Incident Energy (MeV)

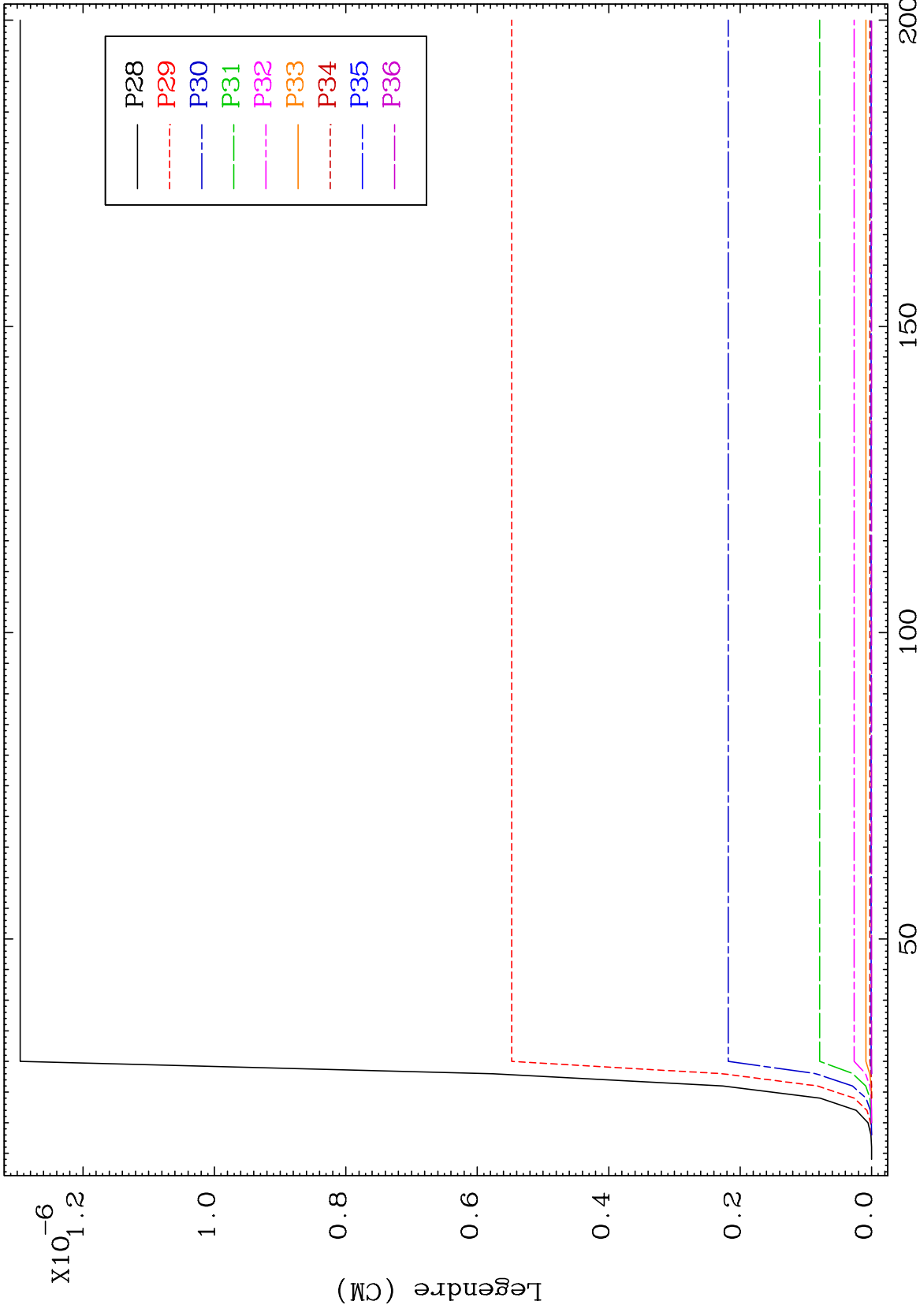
69-Tm-154

MAT 6880

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

69-Tm-154

69-Tm-154



95

50

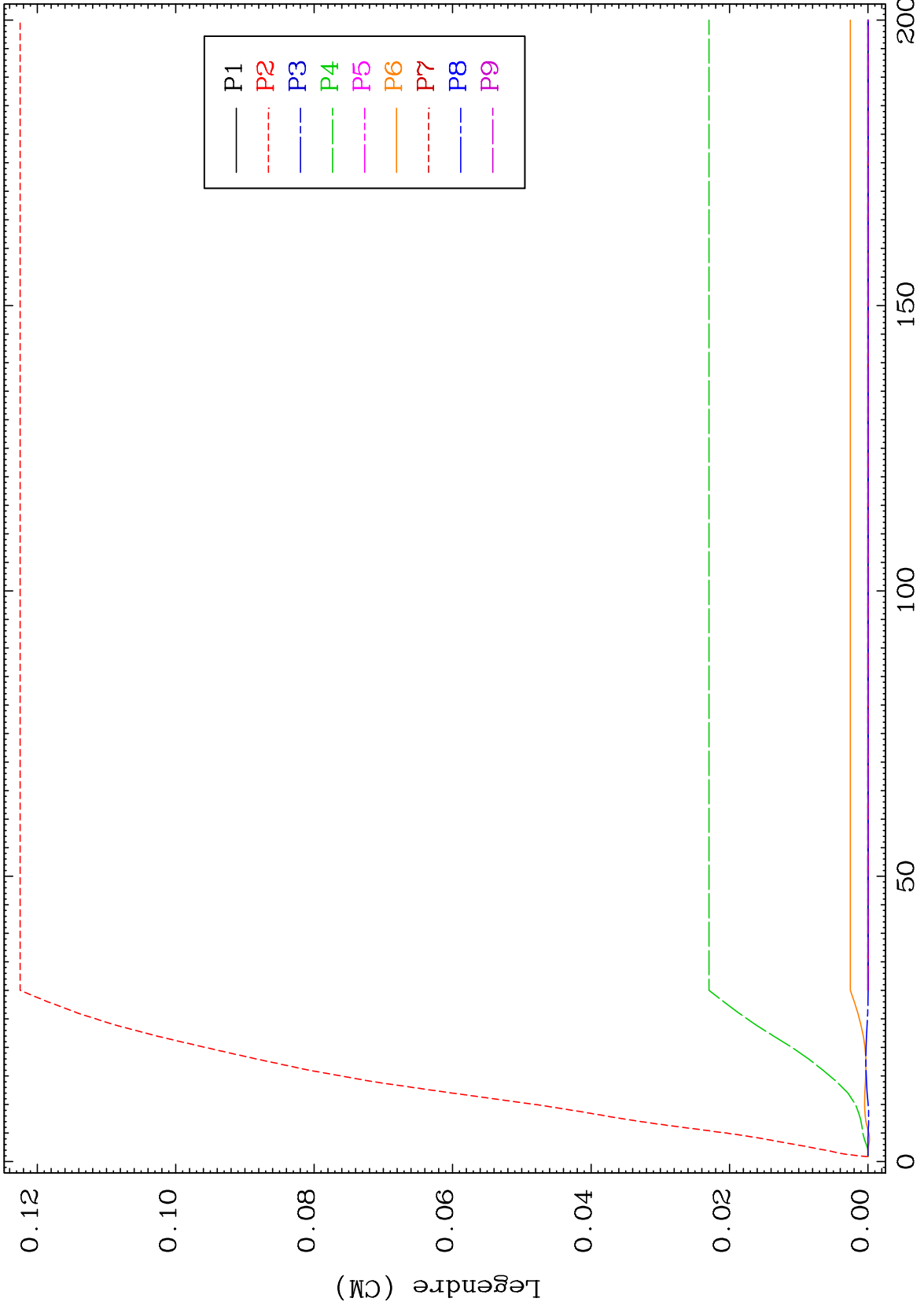
100

150

200



MAT 6880 MT= 73 (n,n') Level Legendre Coefficients 69-Tm-154

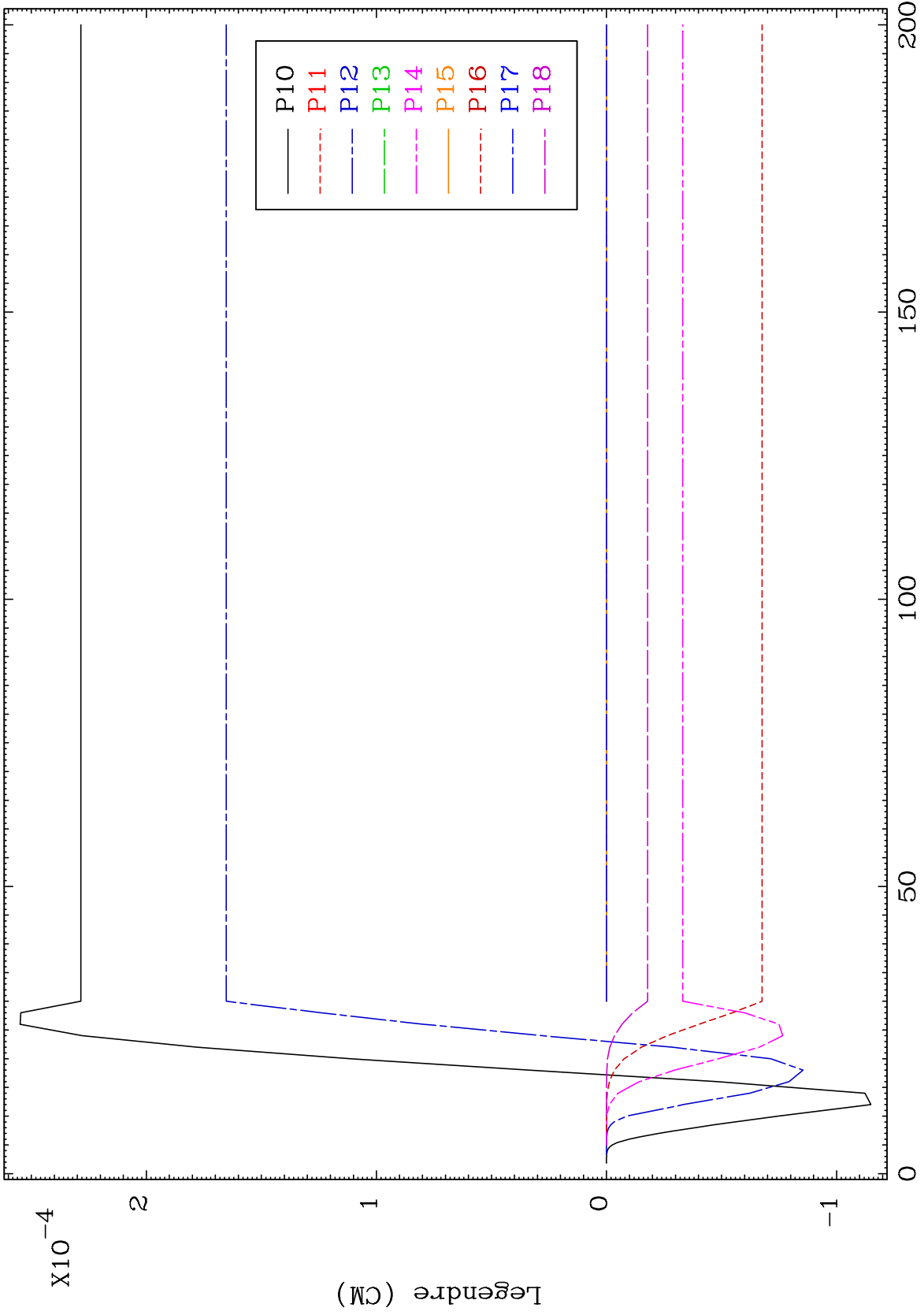


96 69-Tm-154

MAT 6880

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

69-Tm-154



97

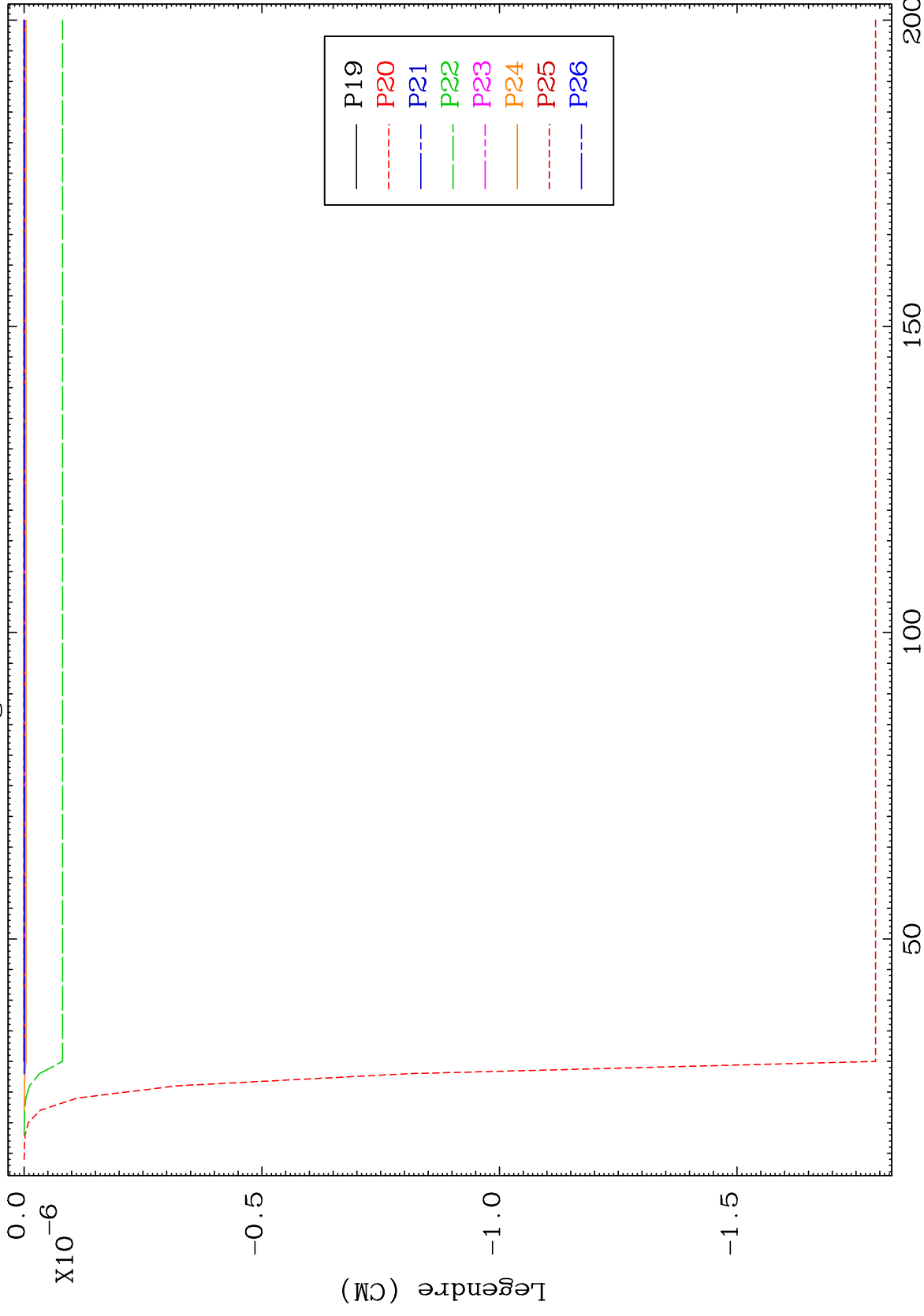
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154



69-Tm-154

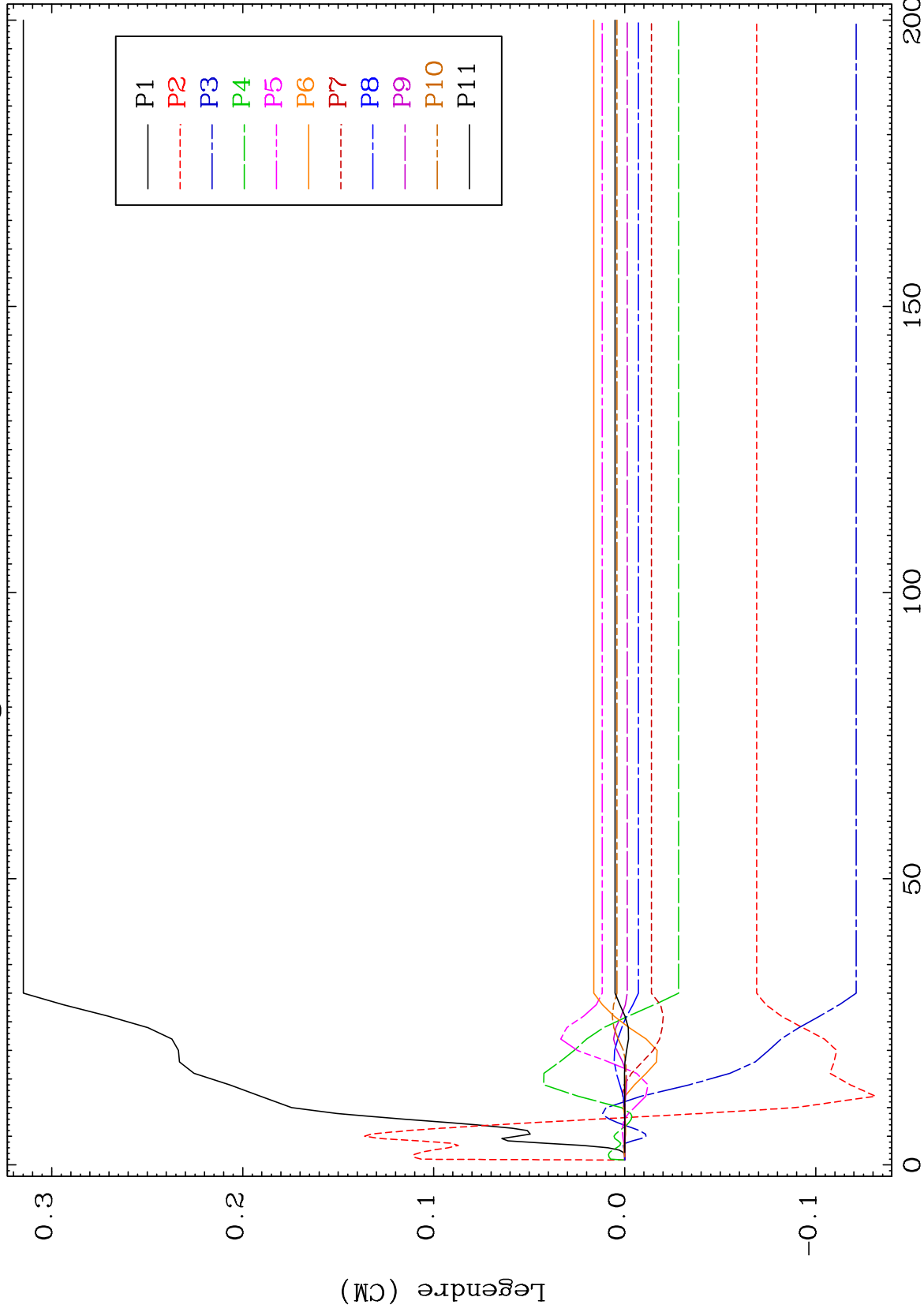
Incident Energy (MeV)

98

MAT 6880

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

69-Tm-154



99

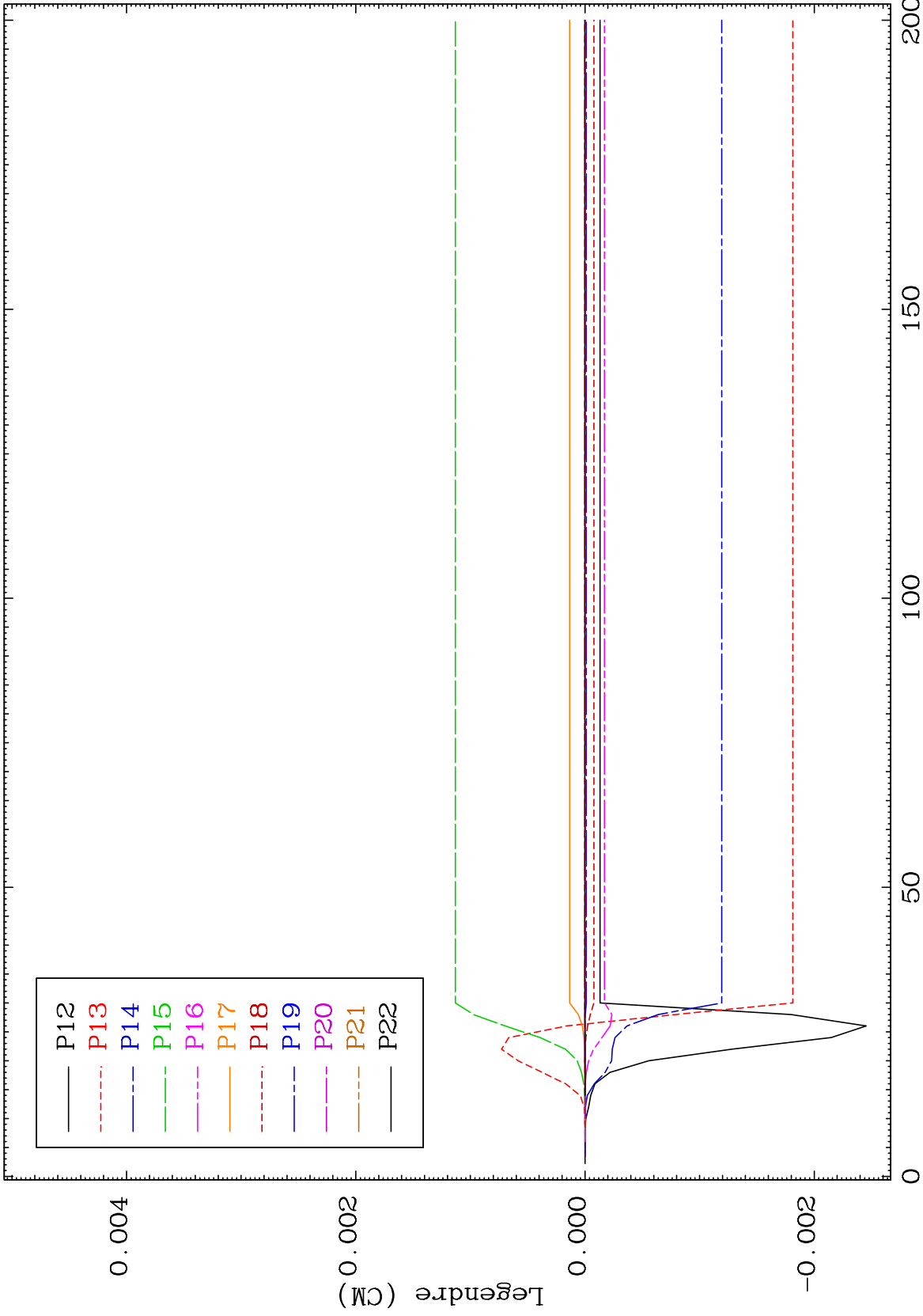
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154



69-Tm-154

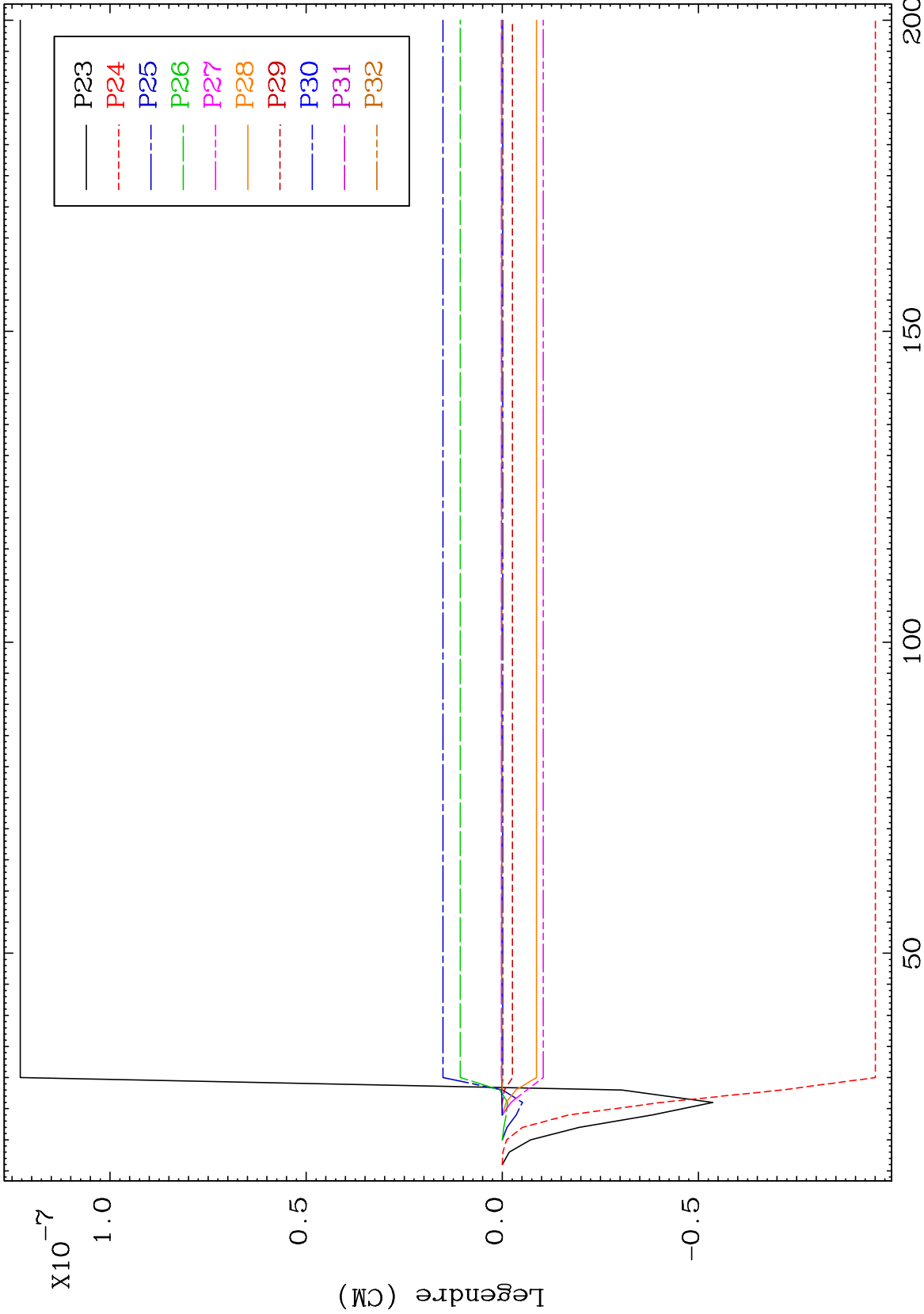
Incident Energy (MeV)

100

MAT 6880

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

69-Tm-154

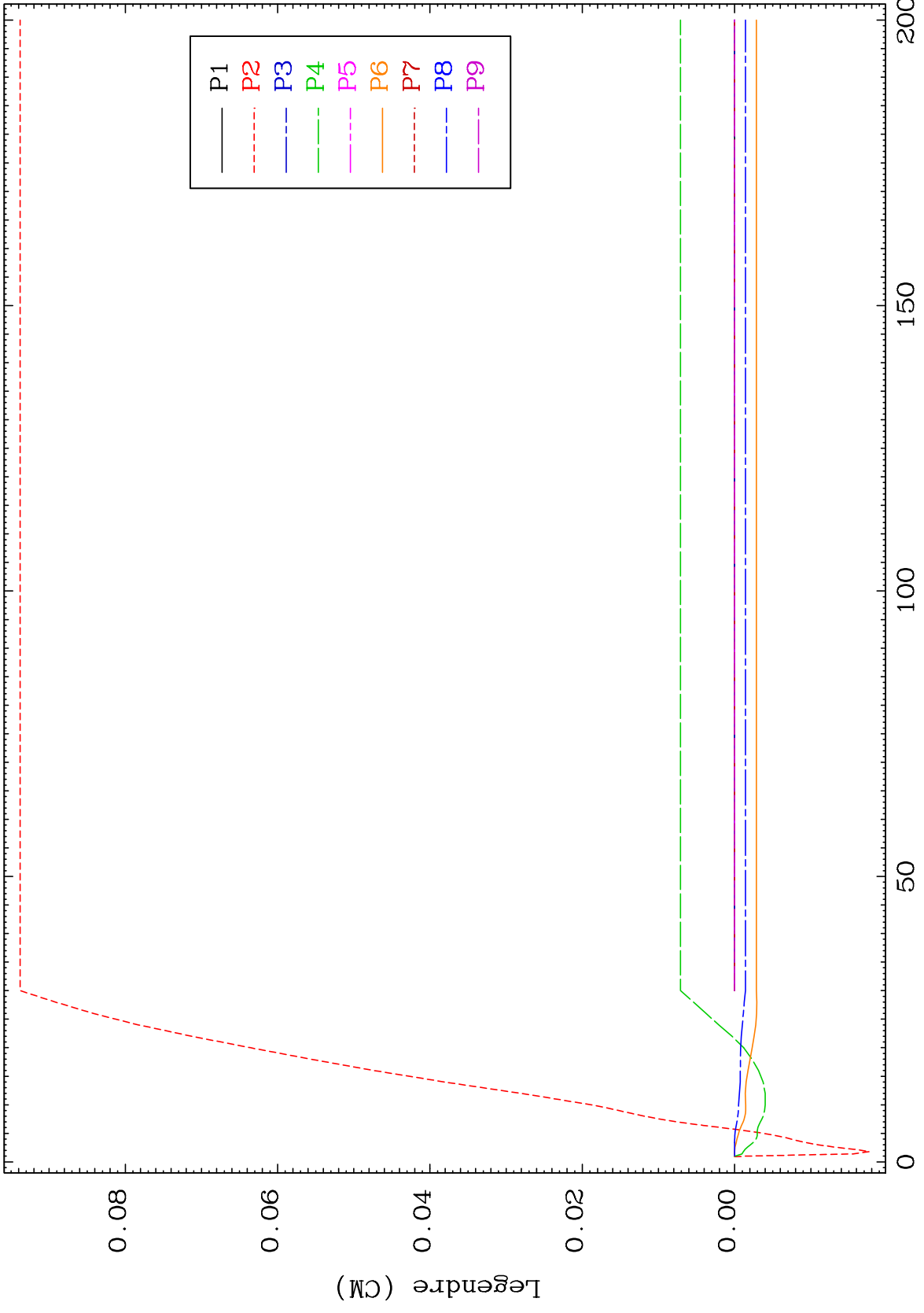


101

Incident Energy (MeV)

69-Tm-154

MAT 6880 MT= 75 (n,n') Level Legendre Coefficients 69-Tm-154

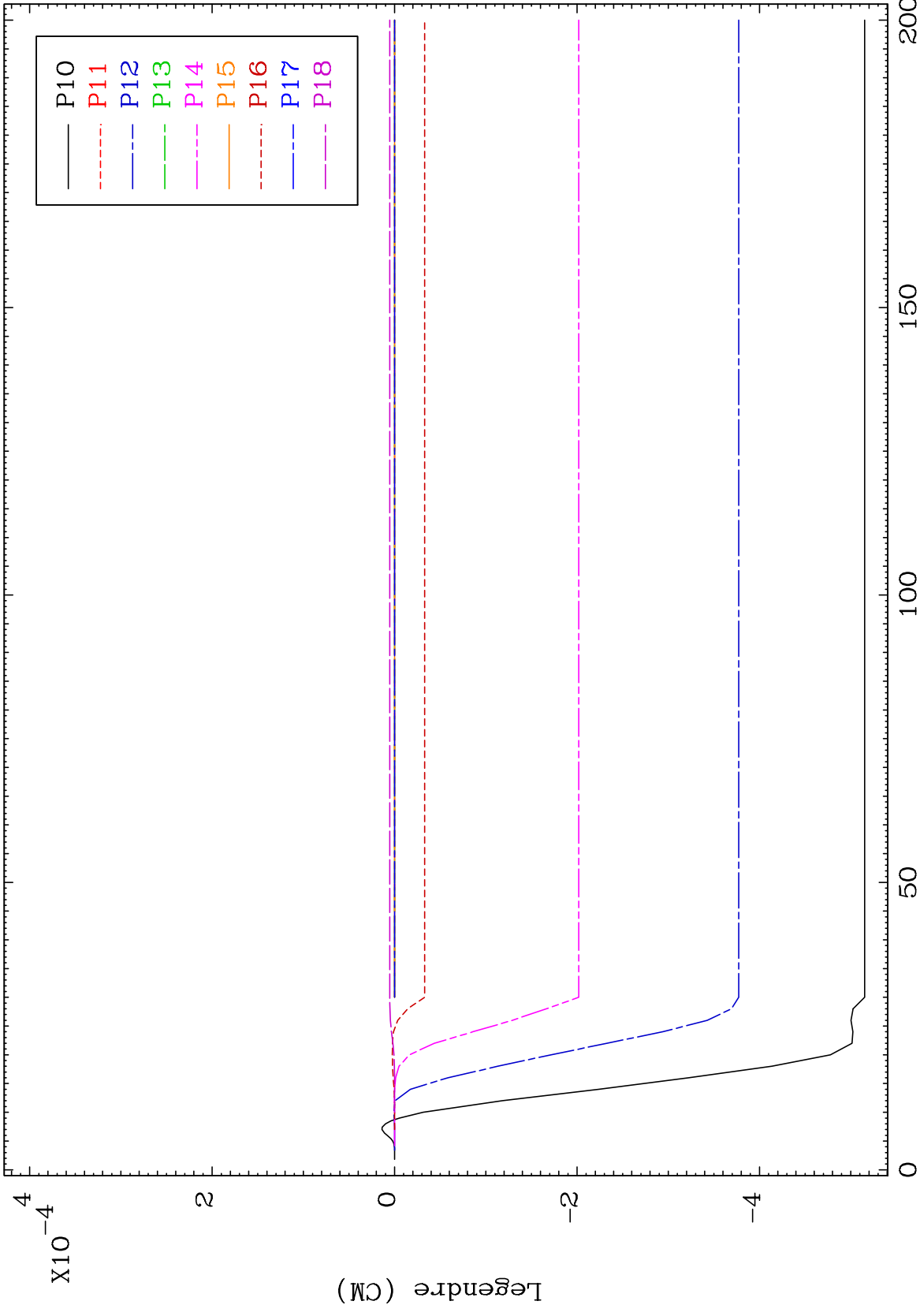


102 Incident Energy (MeV) 69-Tm-154

MAT 6880

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

69-Tm-154



103

Incident Energy (MeV)

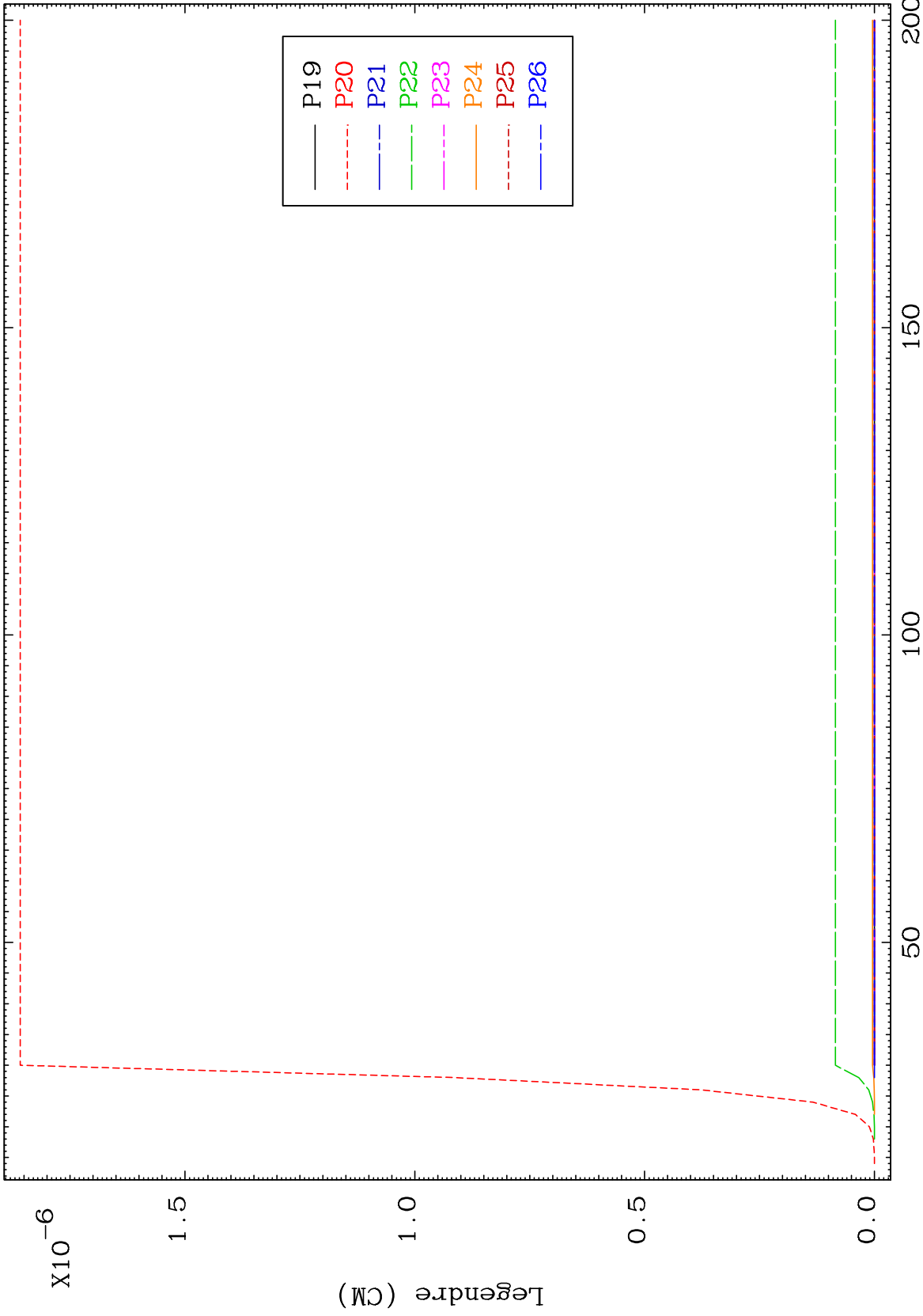
69-Tm-154



MAT 6880

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

69-Tm-154

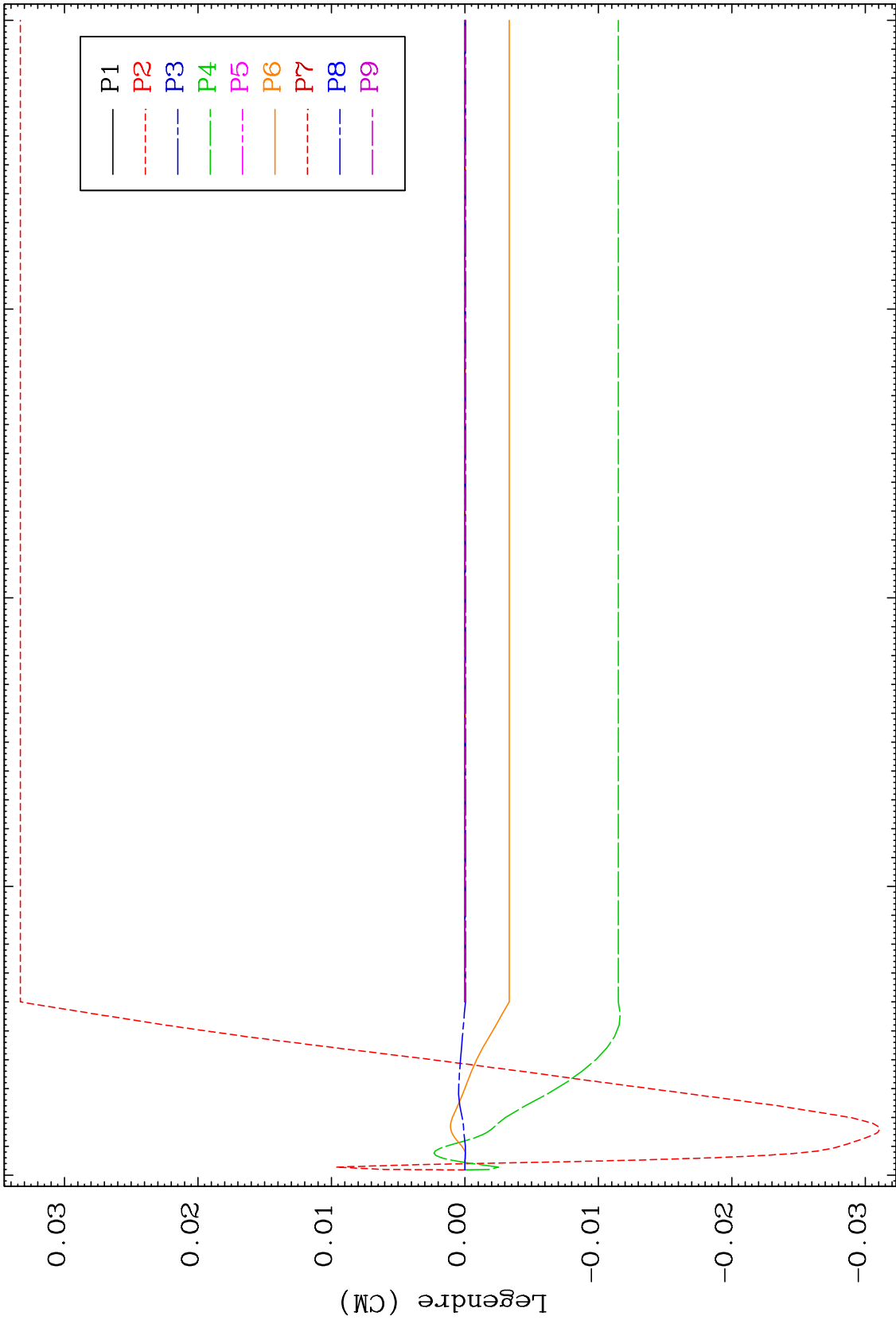


69-Tm-154

Incident Energy (MeV)

104

MAT 6880 MT= 76 (n,n') Level Legendre Coefficients 69-Tm-154

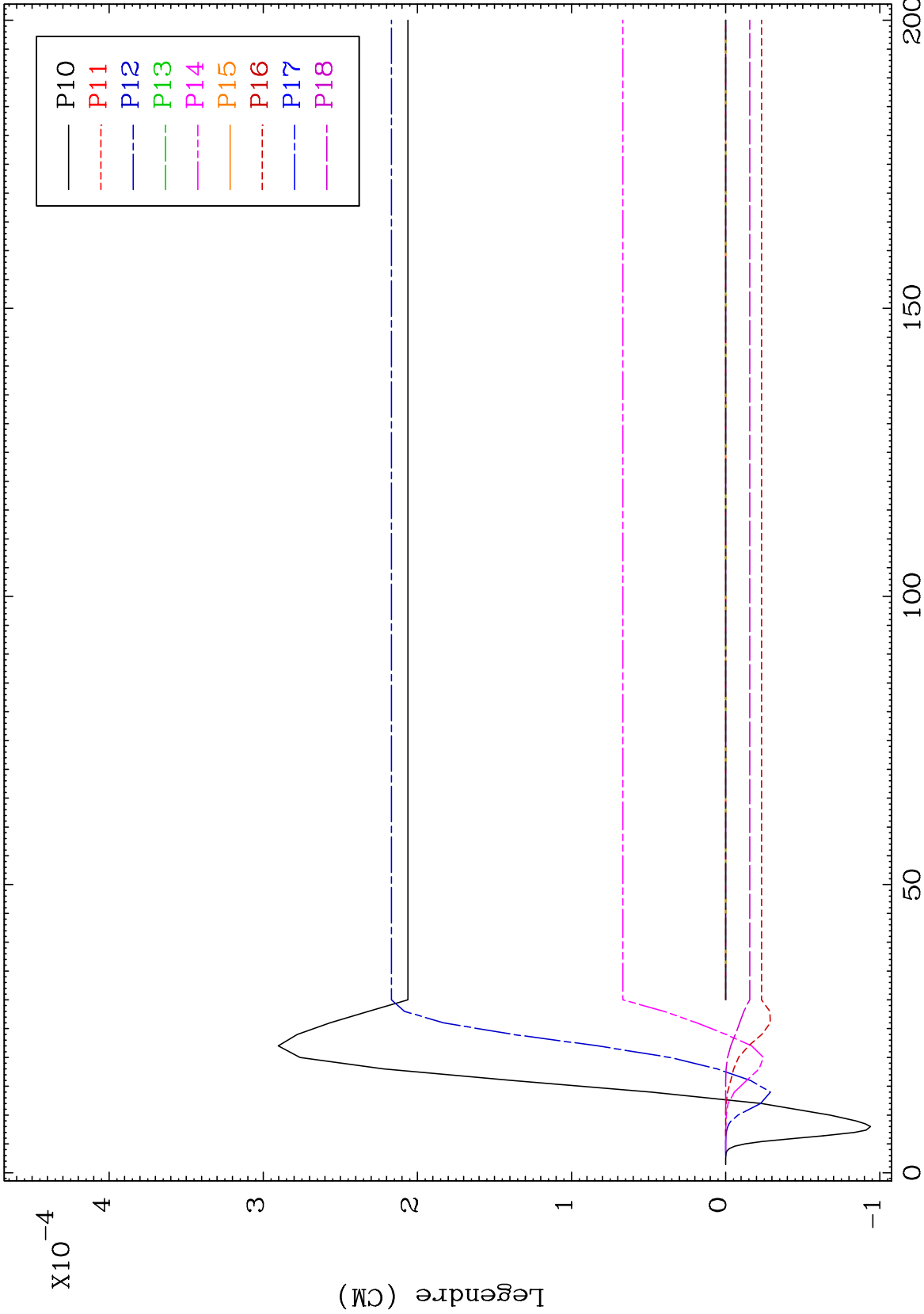


Legendre (CM) Incident Energy (MeV) 69-Tm-154

MAT 6880

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

69-Tm-154

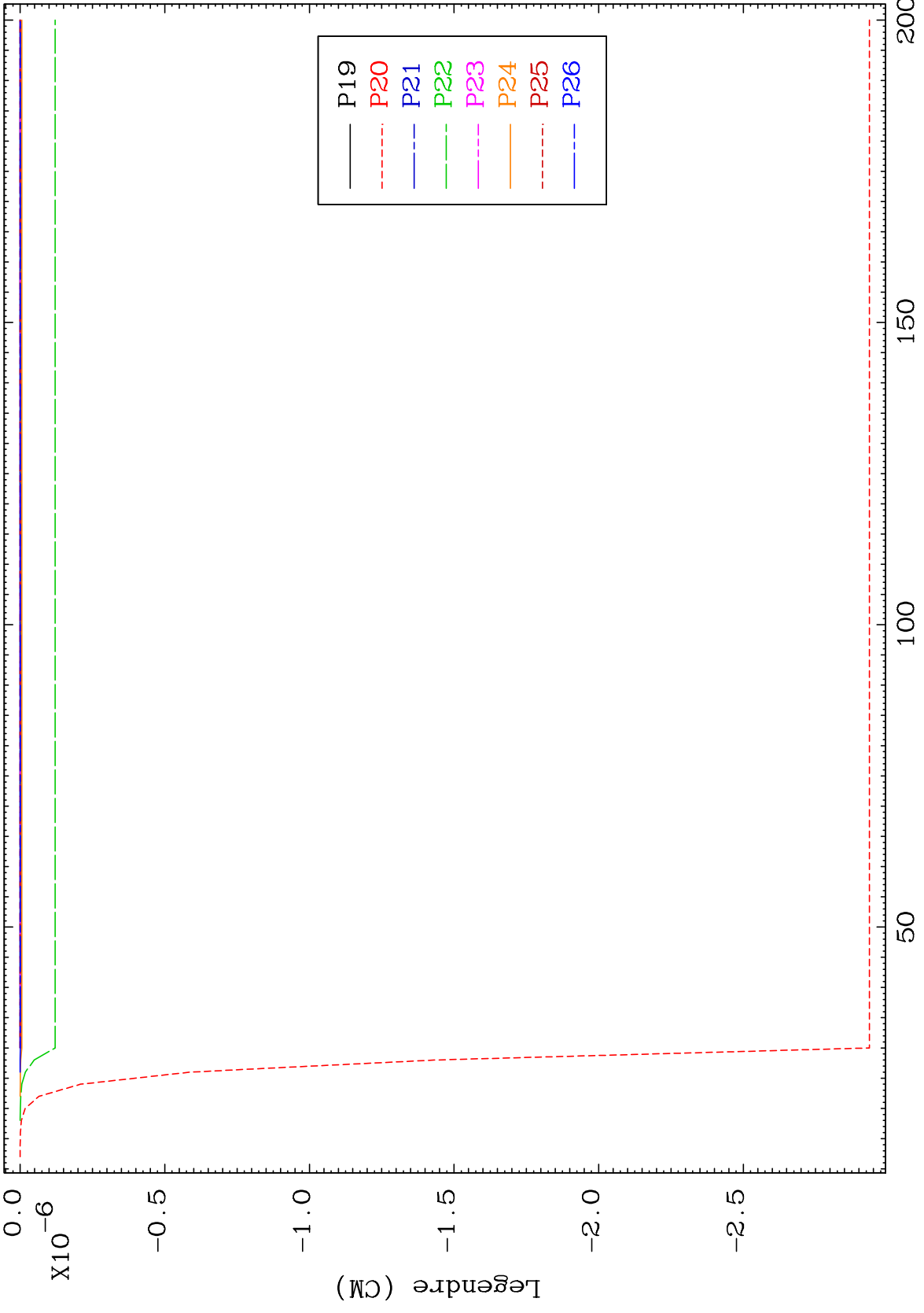


106

Incident Energy (MeV)

69-Tm-154

MAT 6880 MT= 76 (n,n') Level Legendre Coefficients 69-Tm-154

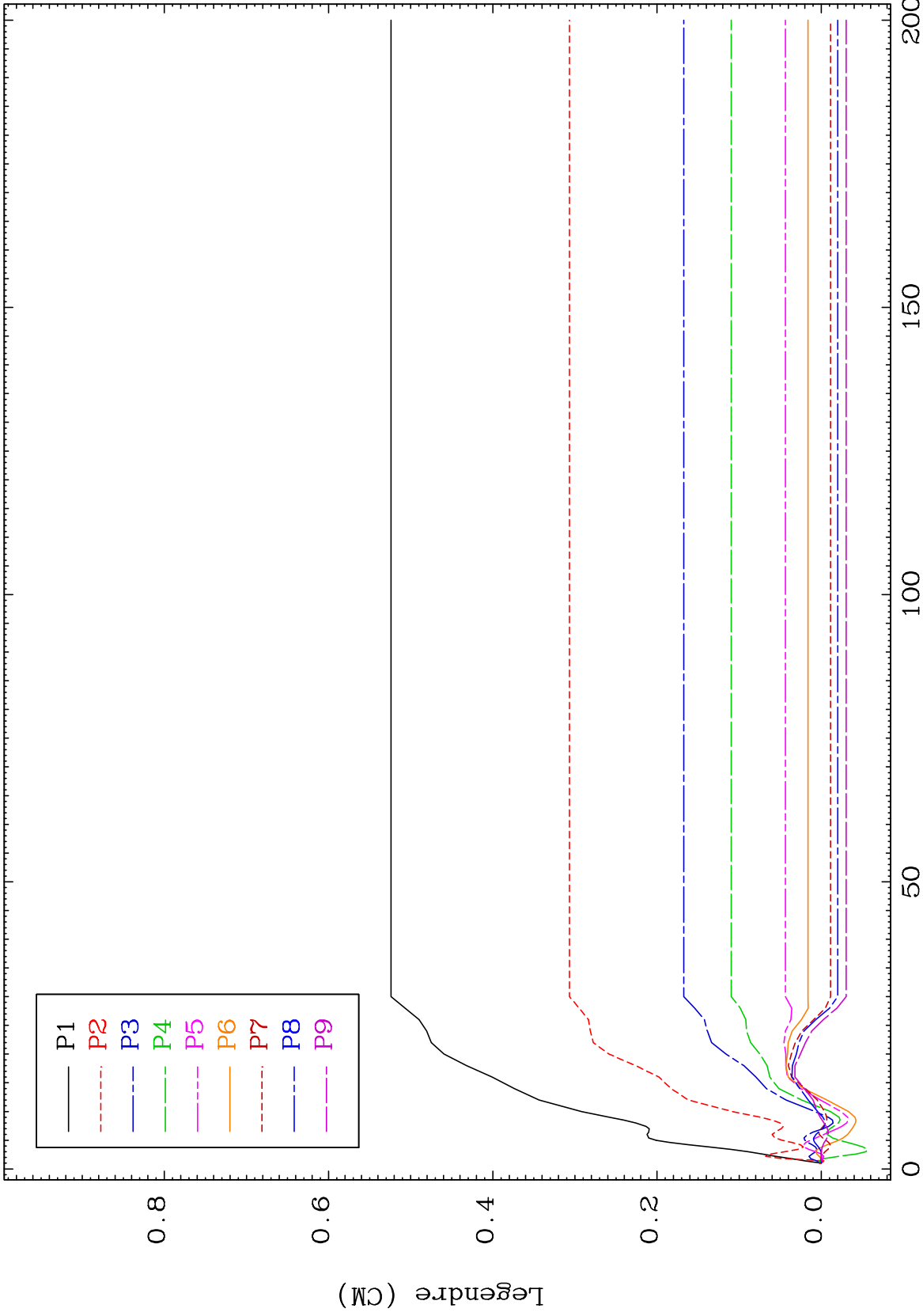


107 69-Tm-154

MAT 6880

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

69-Tm-154



108

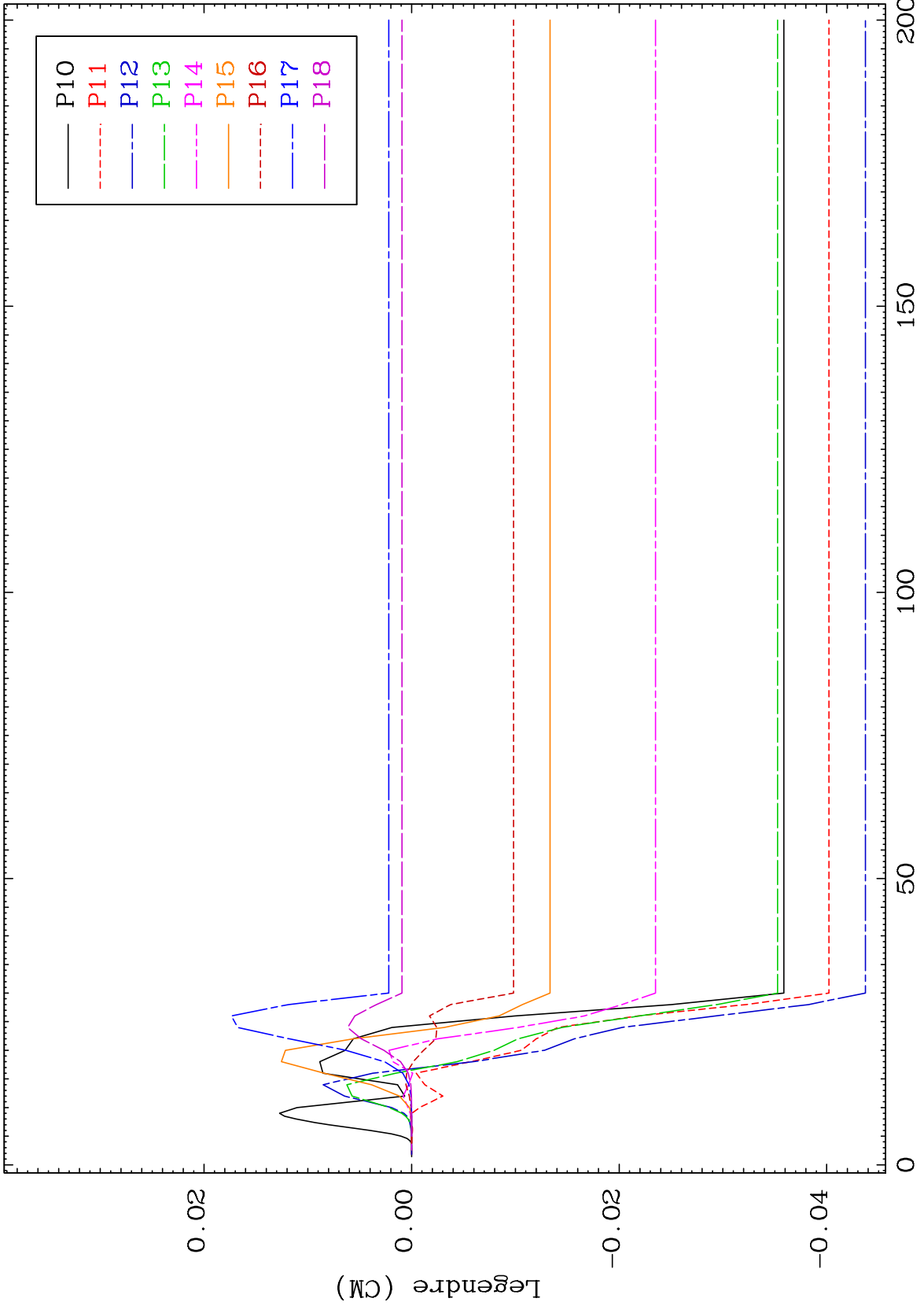
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154



109

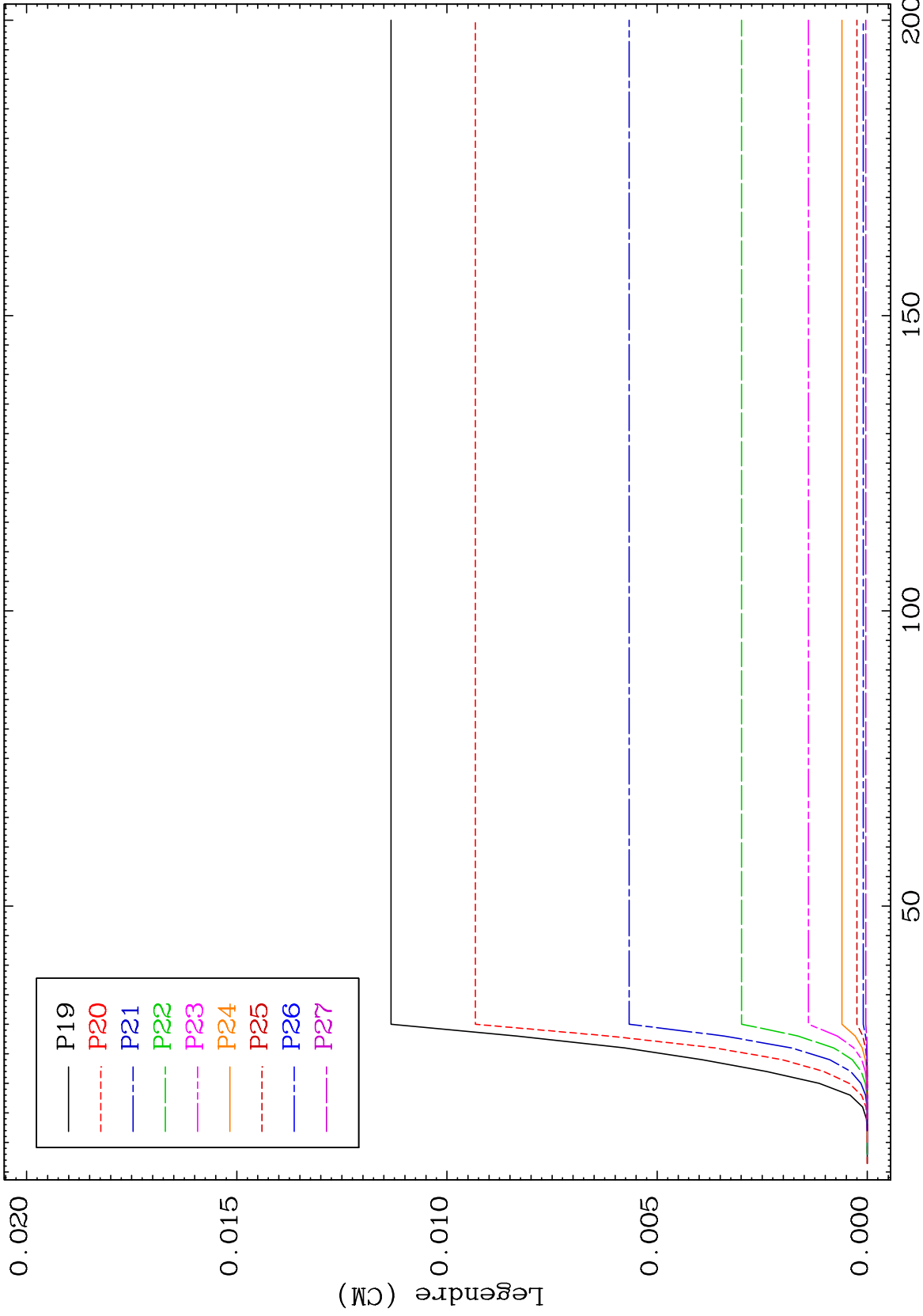
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154



110

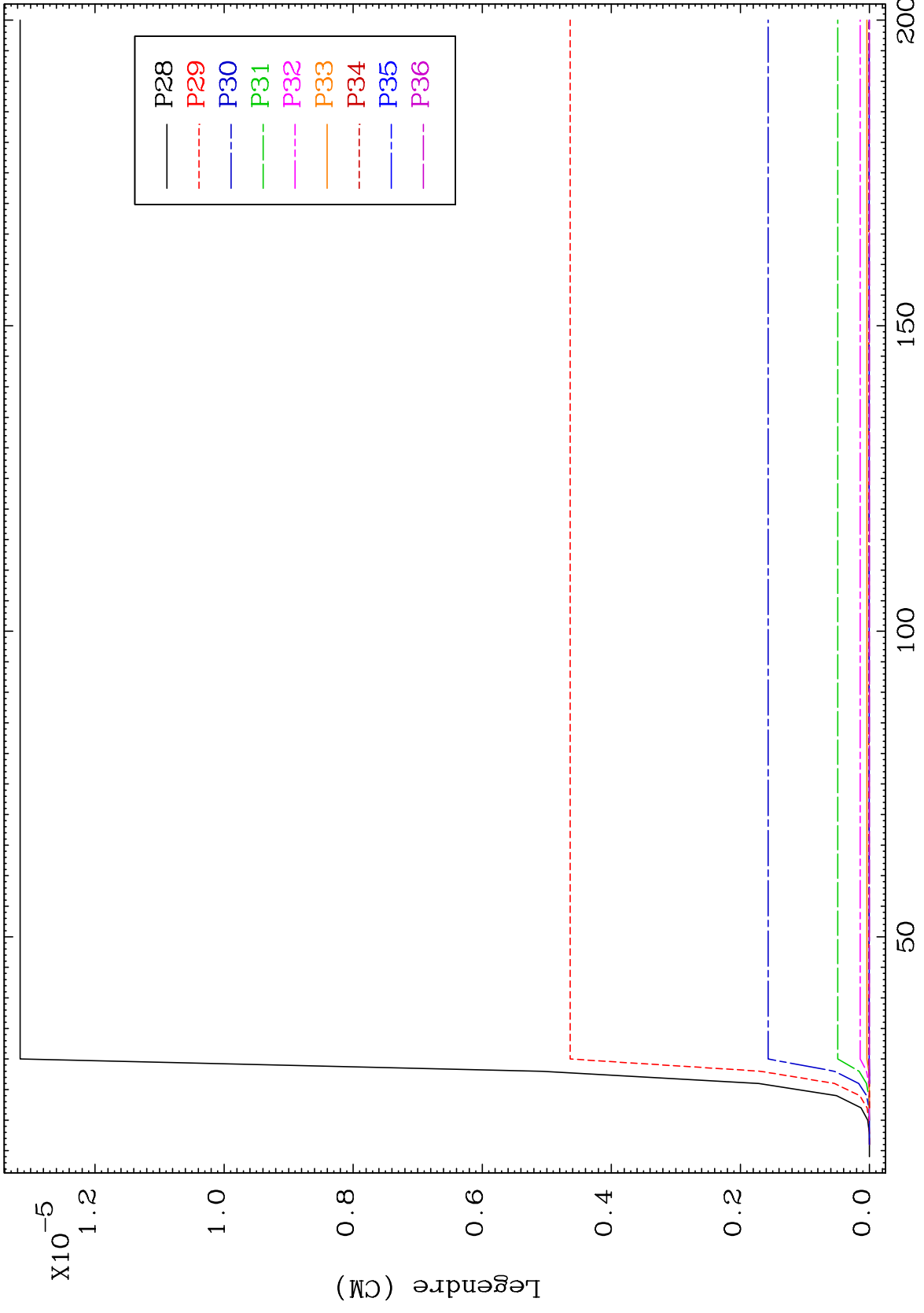
Incident Energy (MeV)

69-Tm-154

MAT 6880

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

69-Tm-154



111

Incident Energy (MeV)

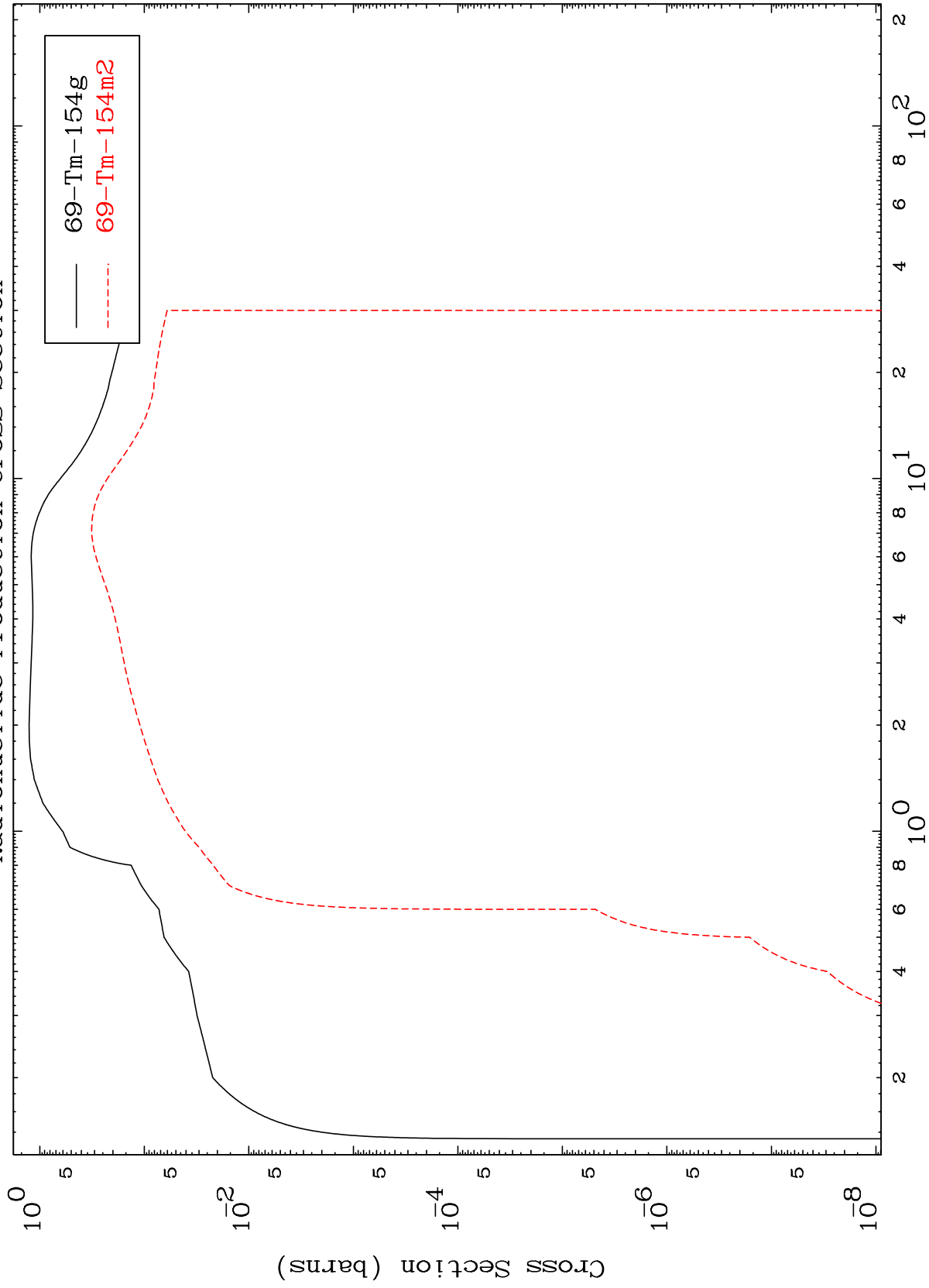
69-Tm-154



MAT 6880

69-Tm-154

### Inelastic Radionuclide Production Cross Section



112

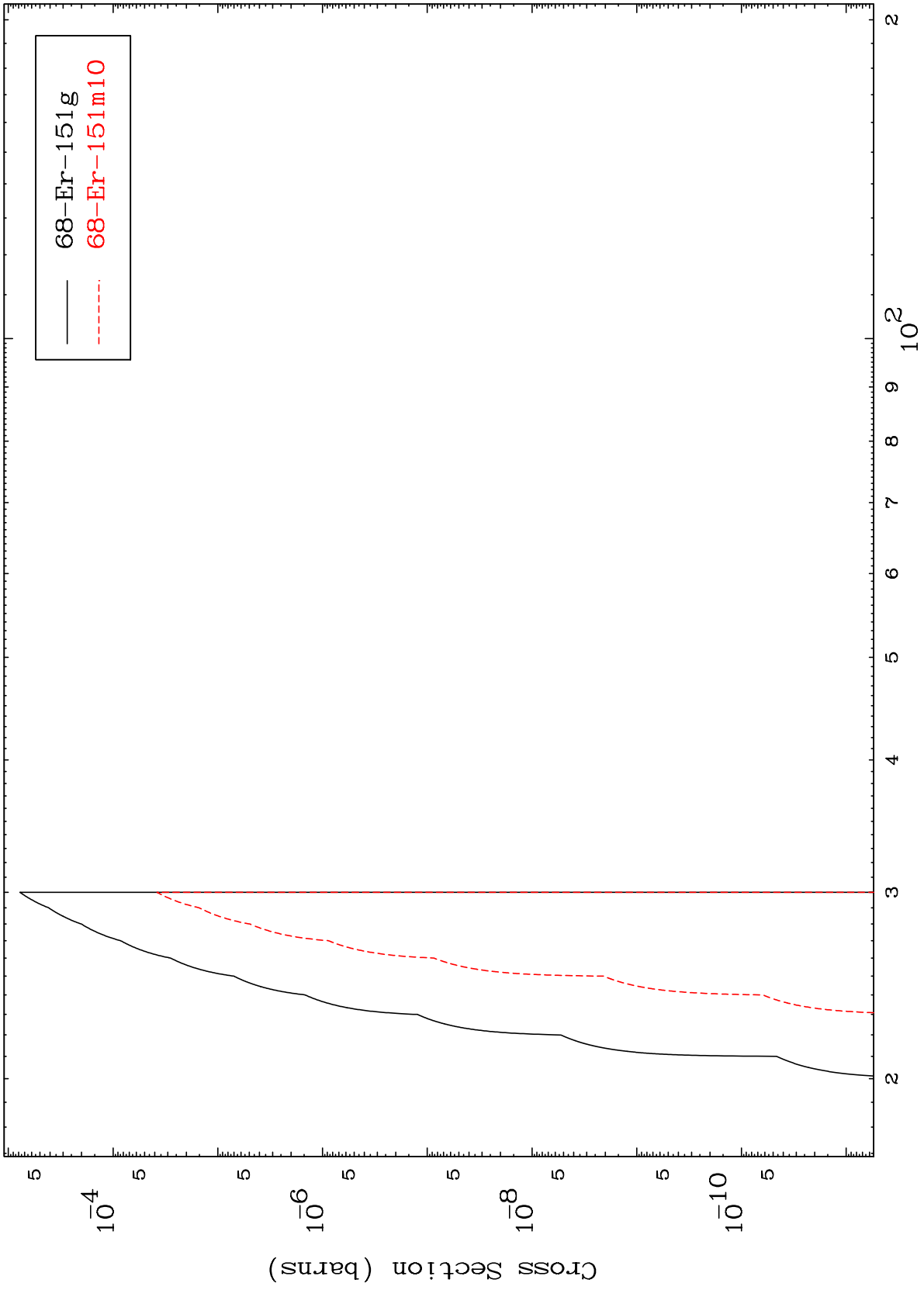
69-Tm-154

MAT 6880

(n,2n) d

69-Tm-154

Radionuclide Production Cross Section



68-Er-151g  
68-Er-151m10

113

Incident Energy (MeV)

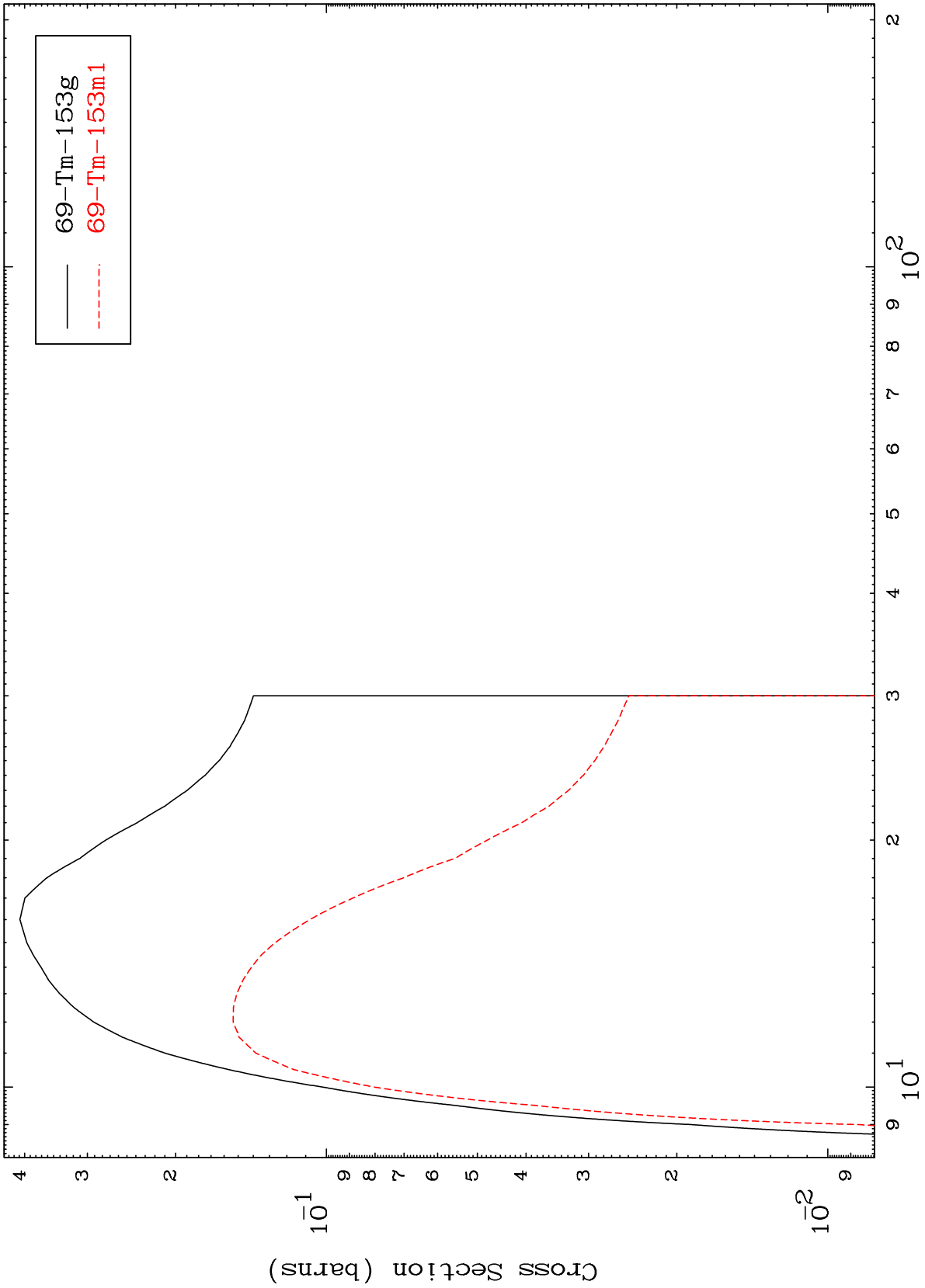
69-Tm-154

MAT 6880

(n,2n)

69-Tm-154

Radionuclide Production Cross Section



114

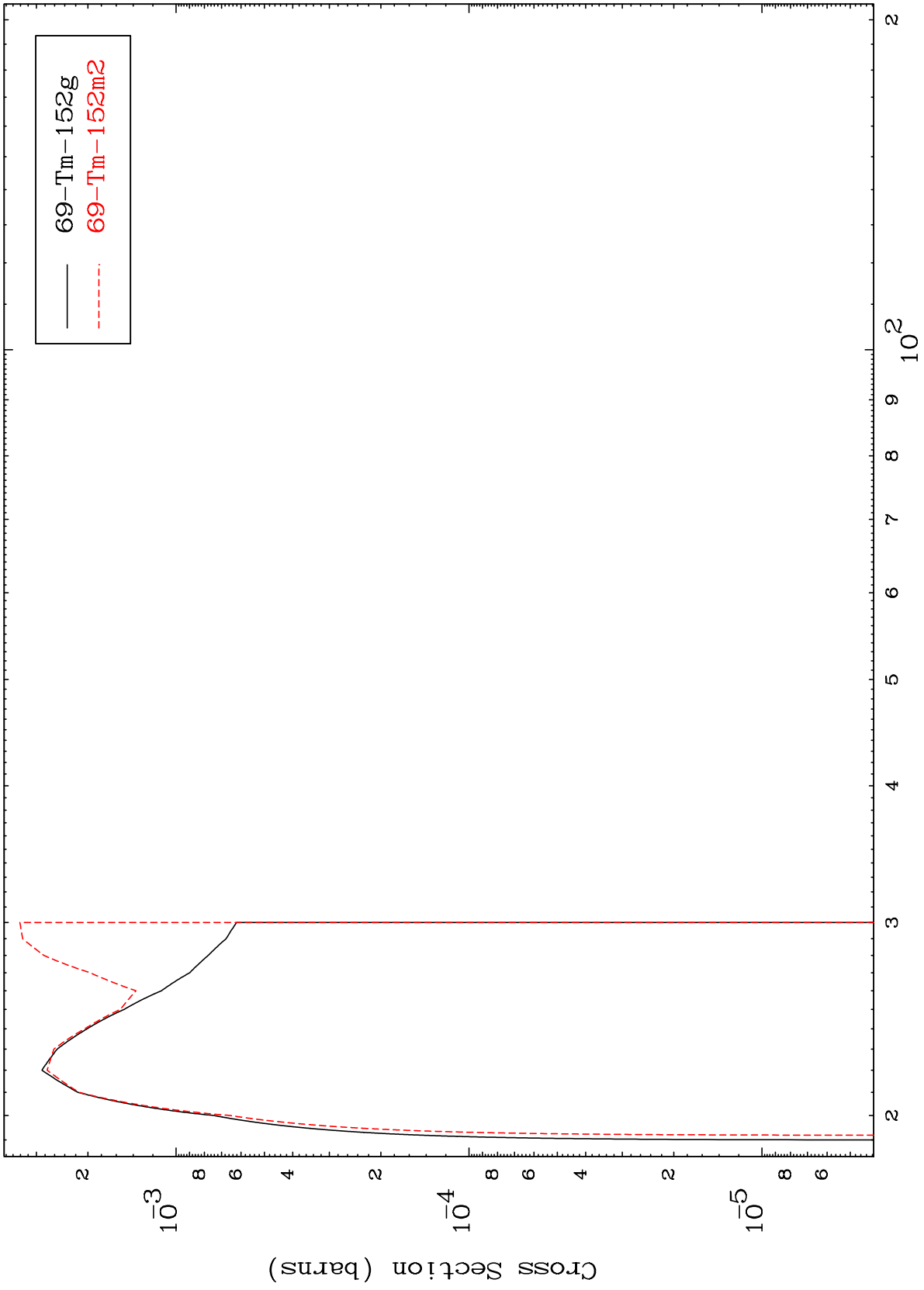
Incident Energy (MeV)

69-Tm-154

MAT 6880

69-Tm-154

(n,3n)  
Radionuclide Production Cross Section



115

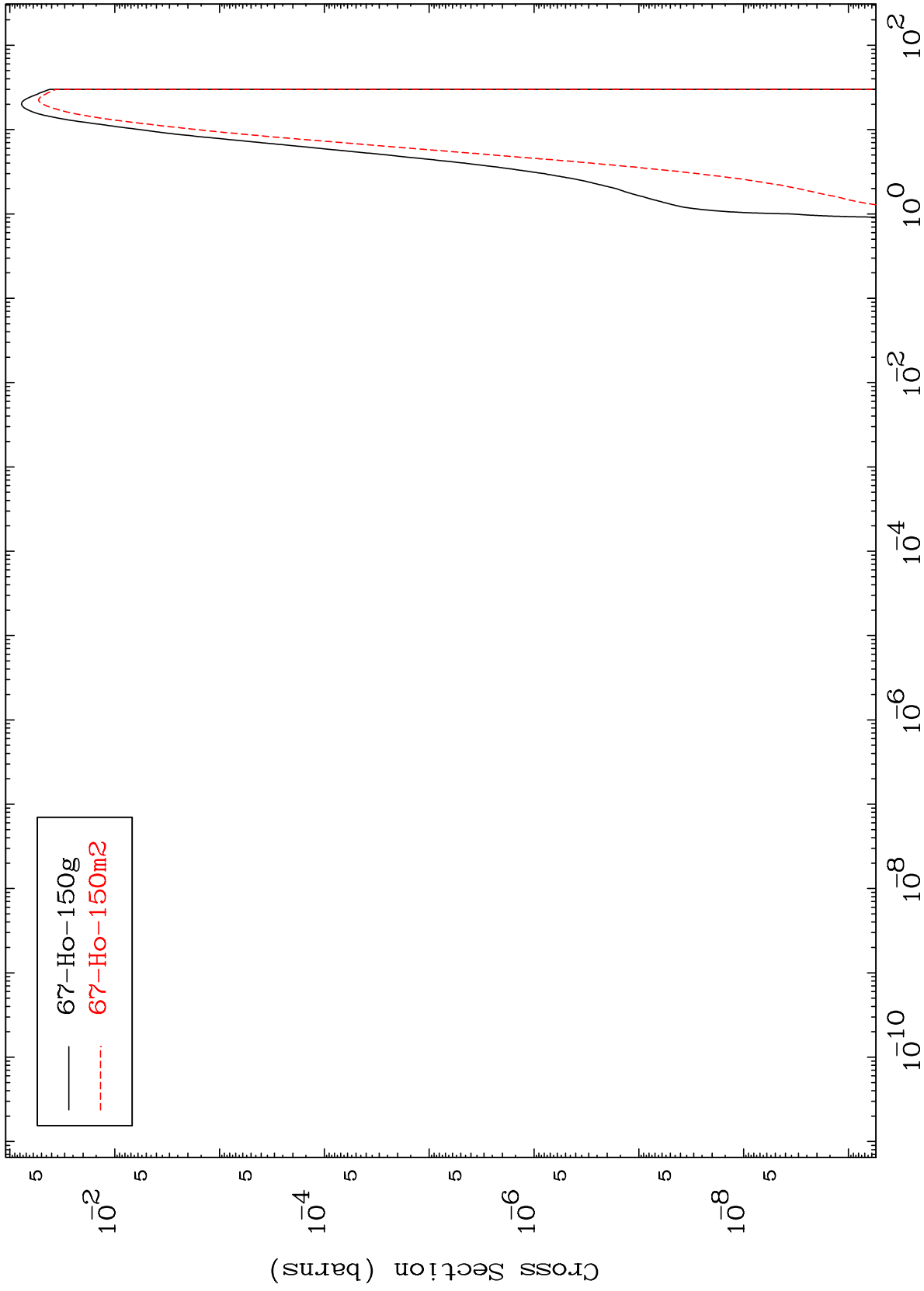
69-Tm-154

MAT 6880

(n,n')  $\alpha$

69-Tm-154

Radionuclide Production Cross Section



116

Incident Energy (MeV)

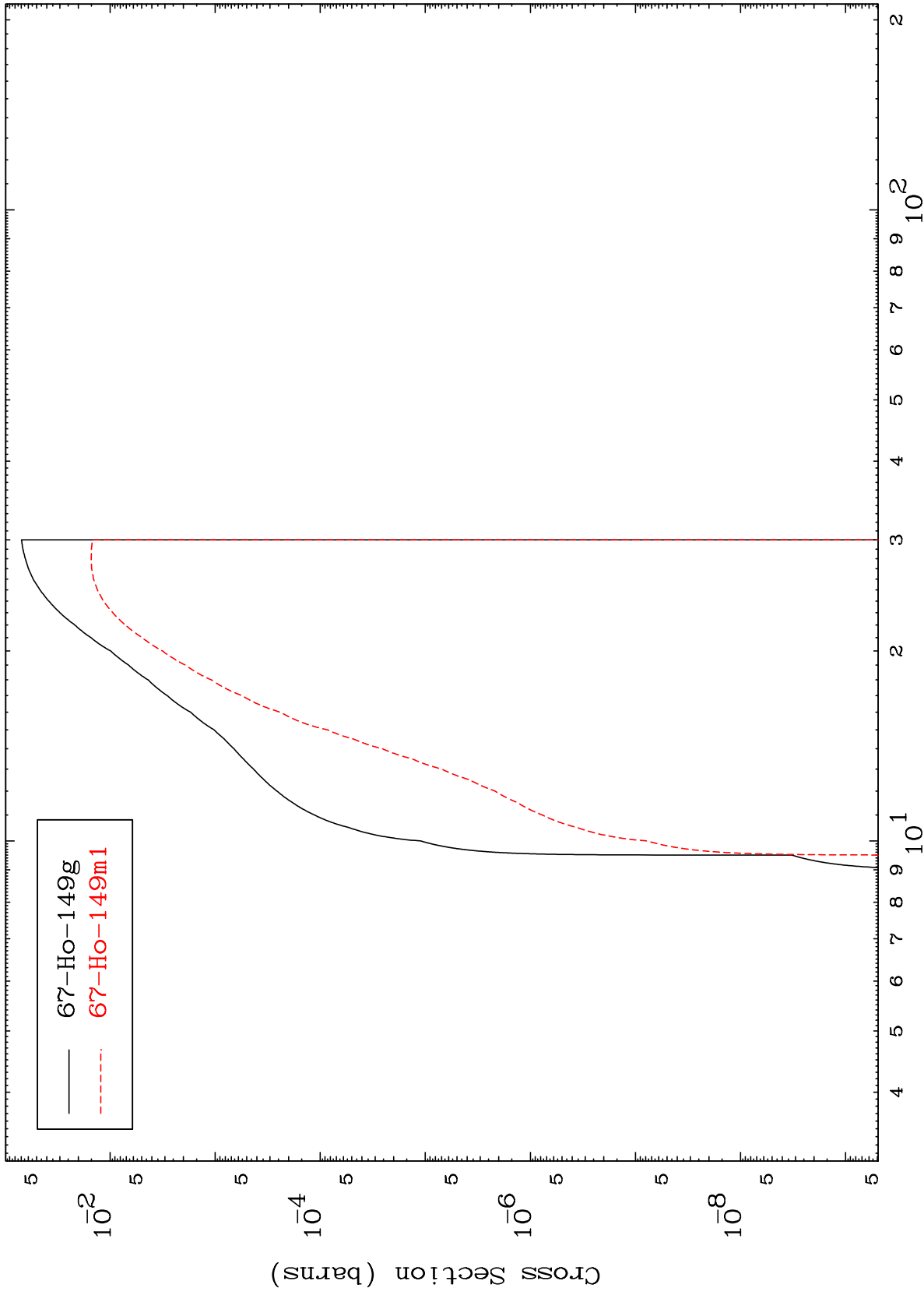
69-Tm-154

MAT 6880

(n,2n)  $\alpha$

69-Tm-154

Radionuclide Production Cross Section



117

Incident Energy (MeV)

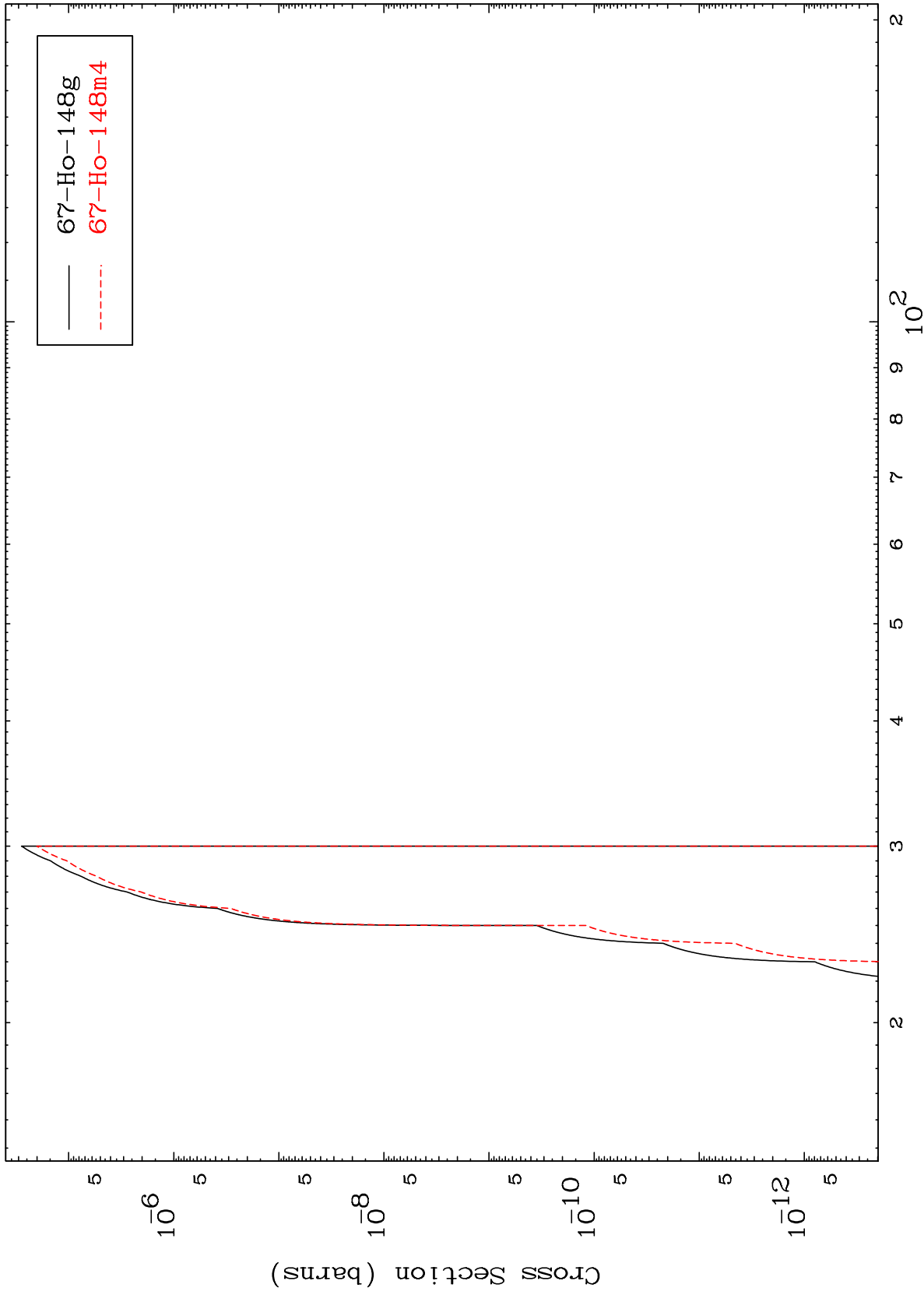
69-Tm-154

MAT 6880

(n,3n)  $\alpha$

69-Tm-154

Radionuclide Production Cross Section



118

Incident Energy (MeV)

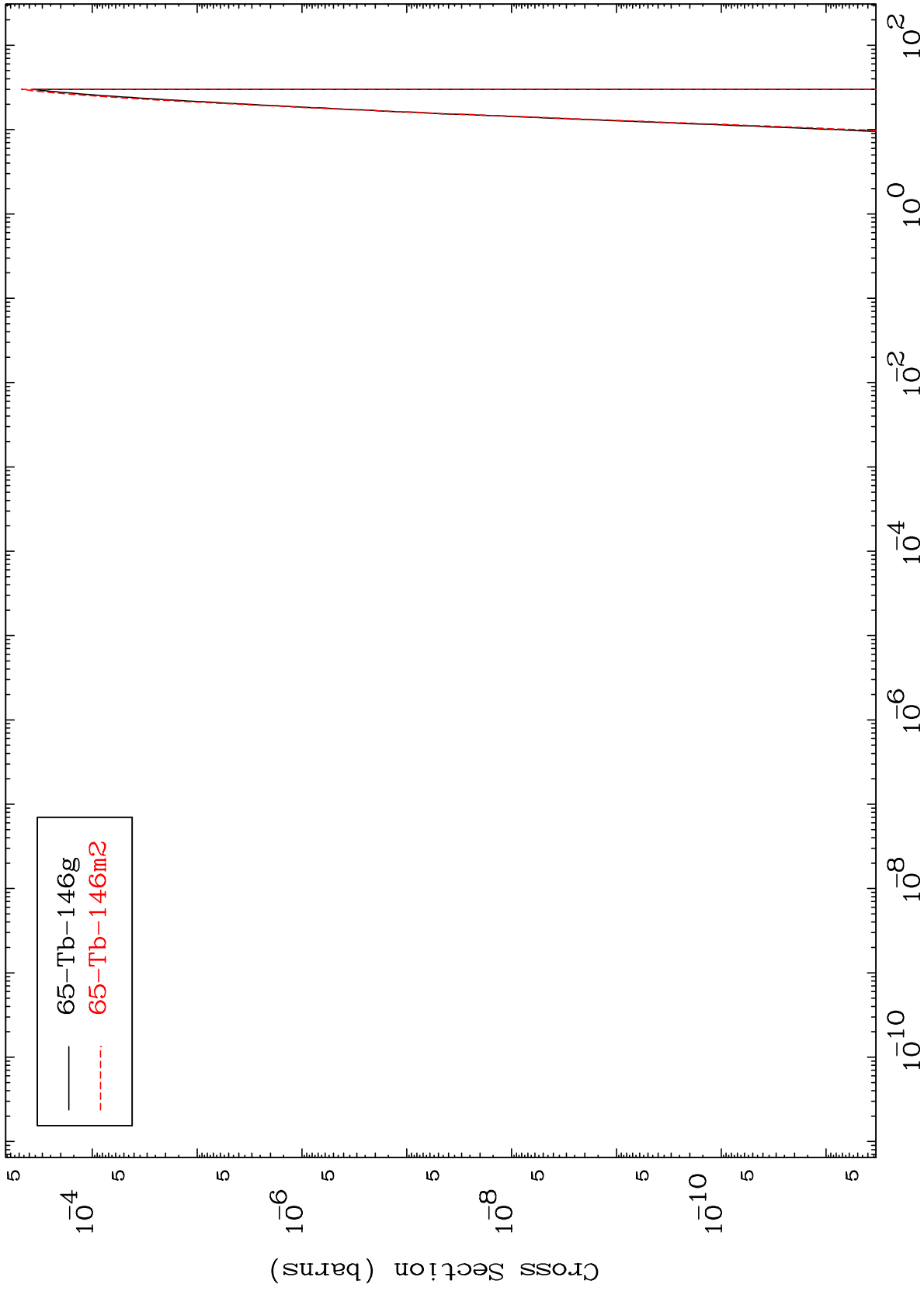
69-Tm-154

MAT 6880

(n,n') 2 $\alpha$

69-Tm-154

Radionuclide Production Cross Section



119

Incident Energy (MeV)

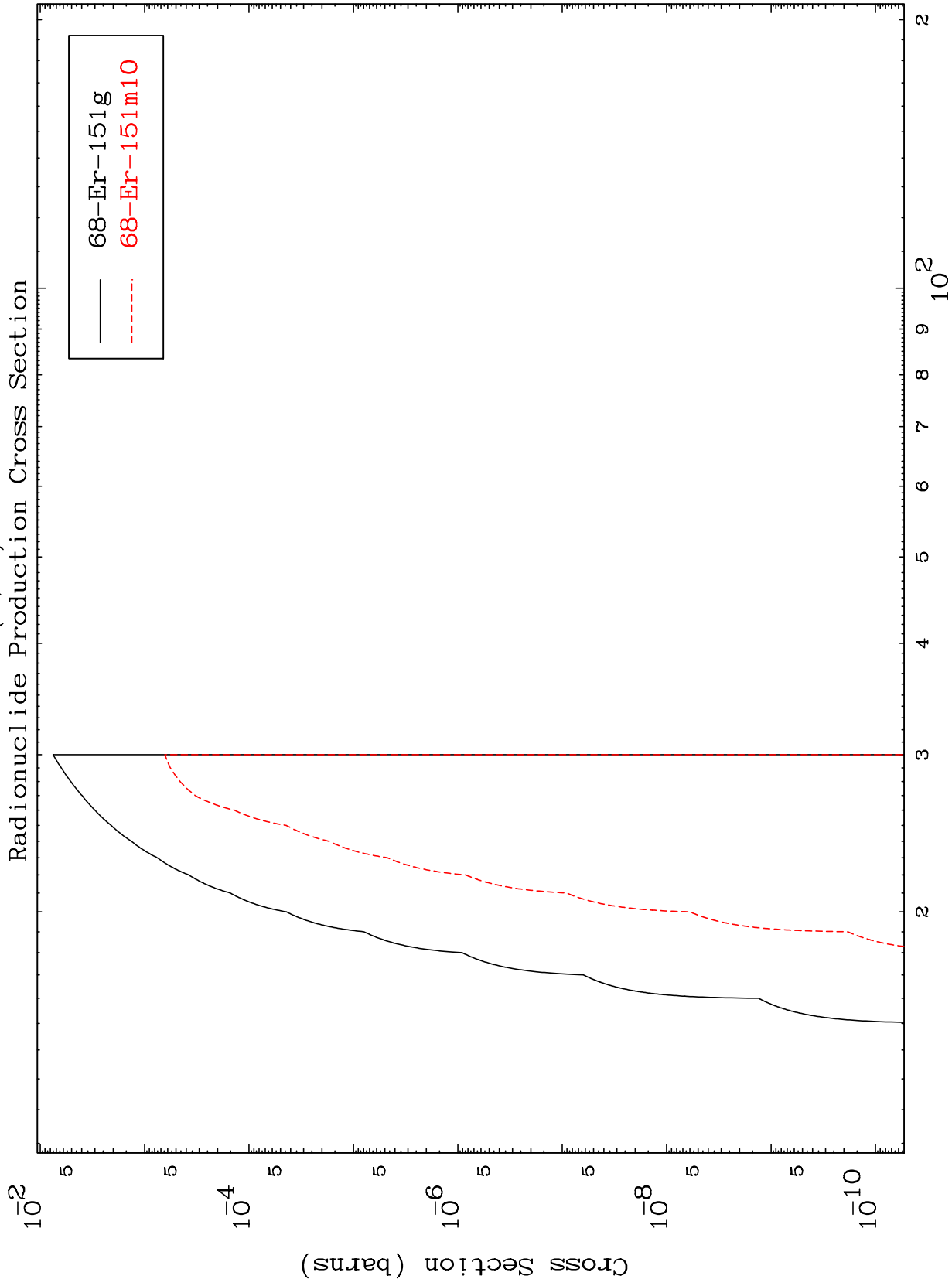
69-Tm-154



MAT 6880

(n, n') t

69-Tm-154



120

Incident Energy (MeV)

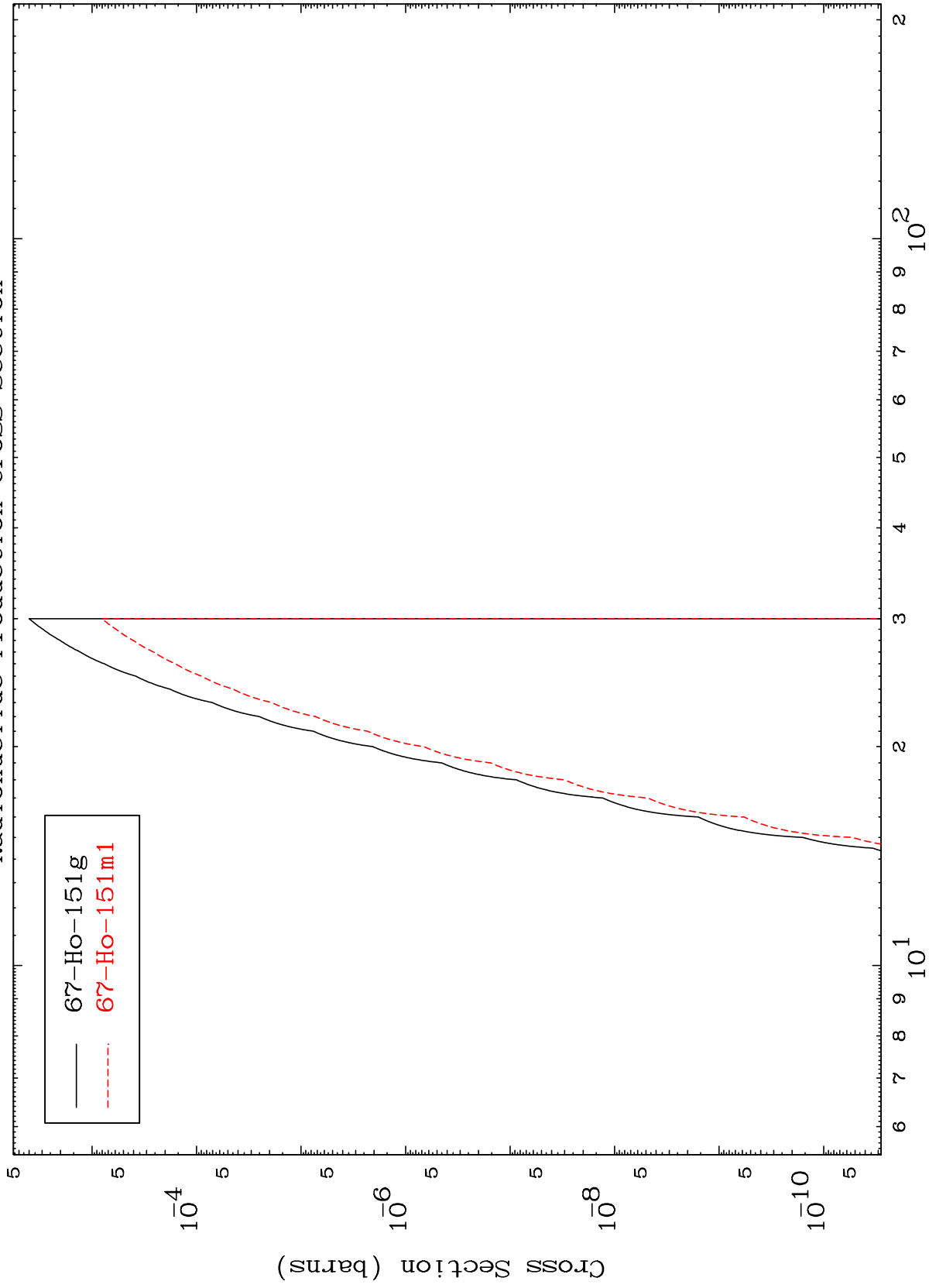
69-Tm-154

MAT 6880

(n, n') He-3

69-Tm-154

### Radionuclide Production Cross Section



121

Incident Energy (MeV)

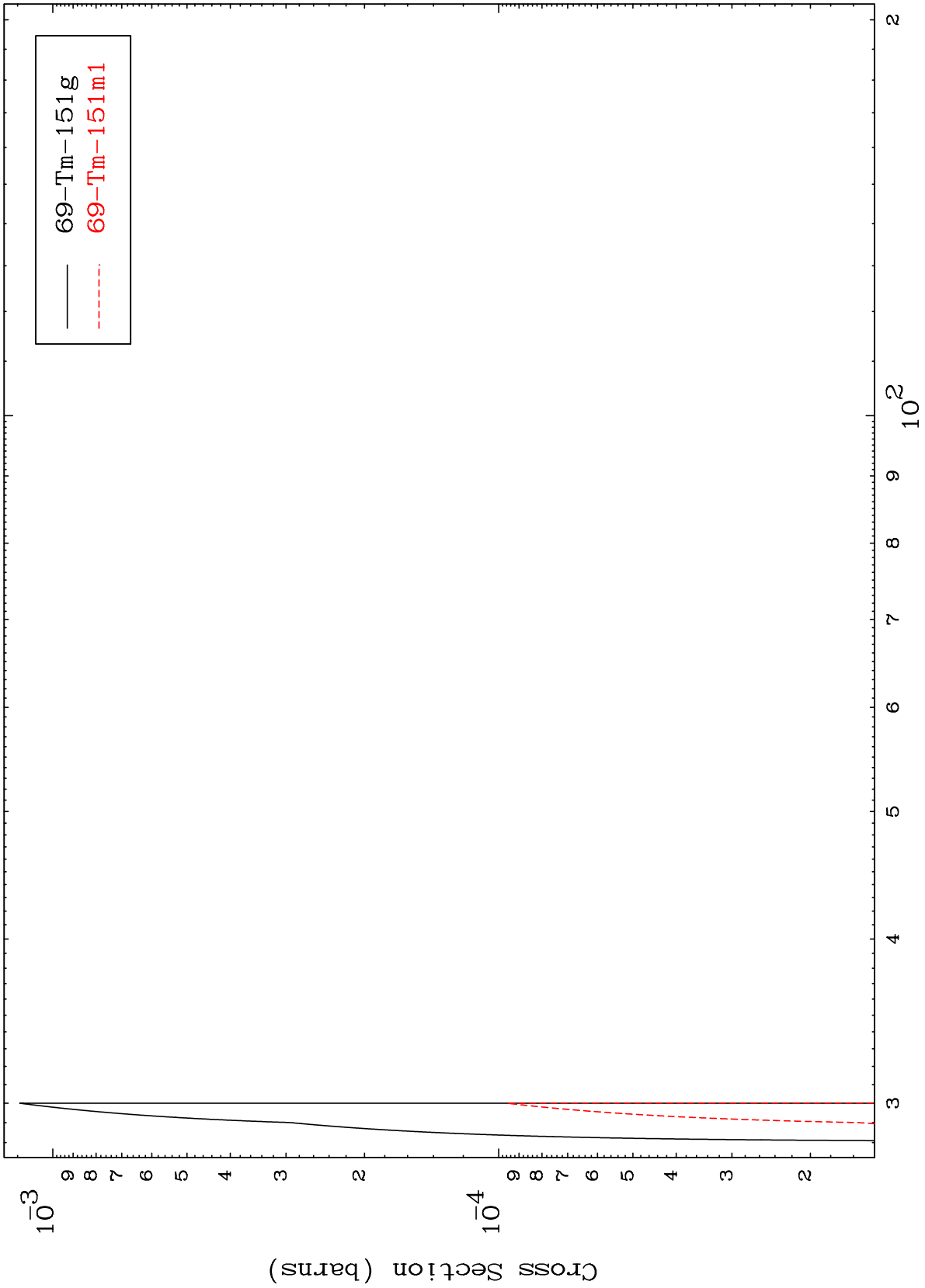
69-Tm-154

MAT 6880

(n,4n)

69-Tm-154

Radionuclide Production Cross Section



69-Tm-151g  
69-Tm-151m1

122

Incident Energy (MeV)

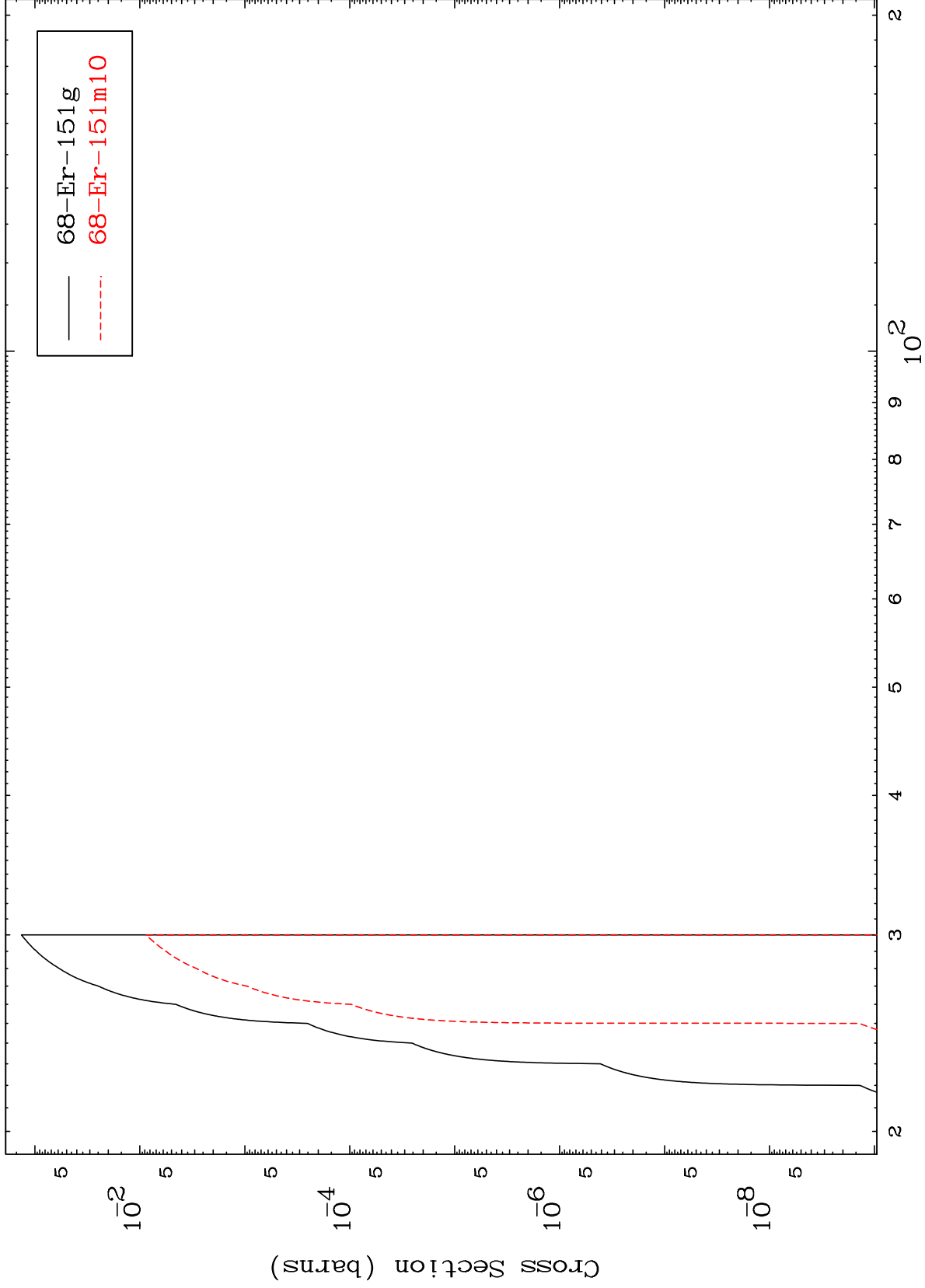
69-Tm-154

MAT 6880

(n,3n) p

69-Tm-154

Radionuclide Production Cross Section



123

Incident Energy (MeV)

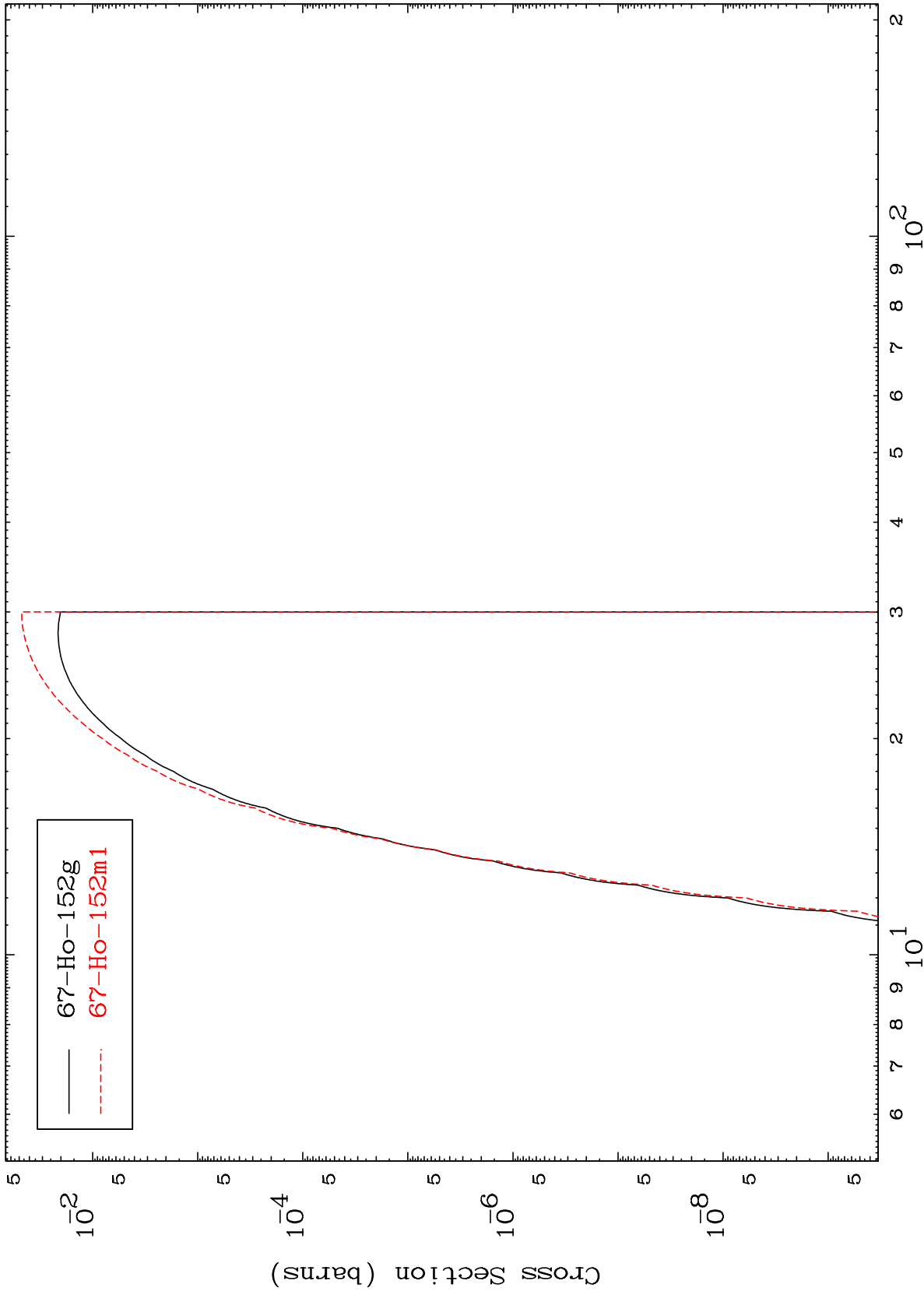
69-Tm-154

MAT 6880

(n,2n) p

69-Tm-154

Radionuclide Production Cross Section



124

Incident Energy (MeV)

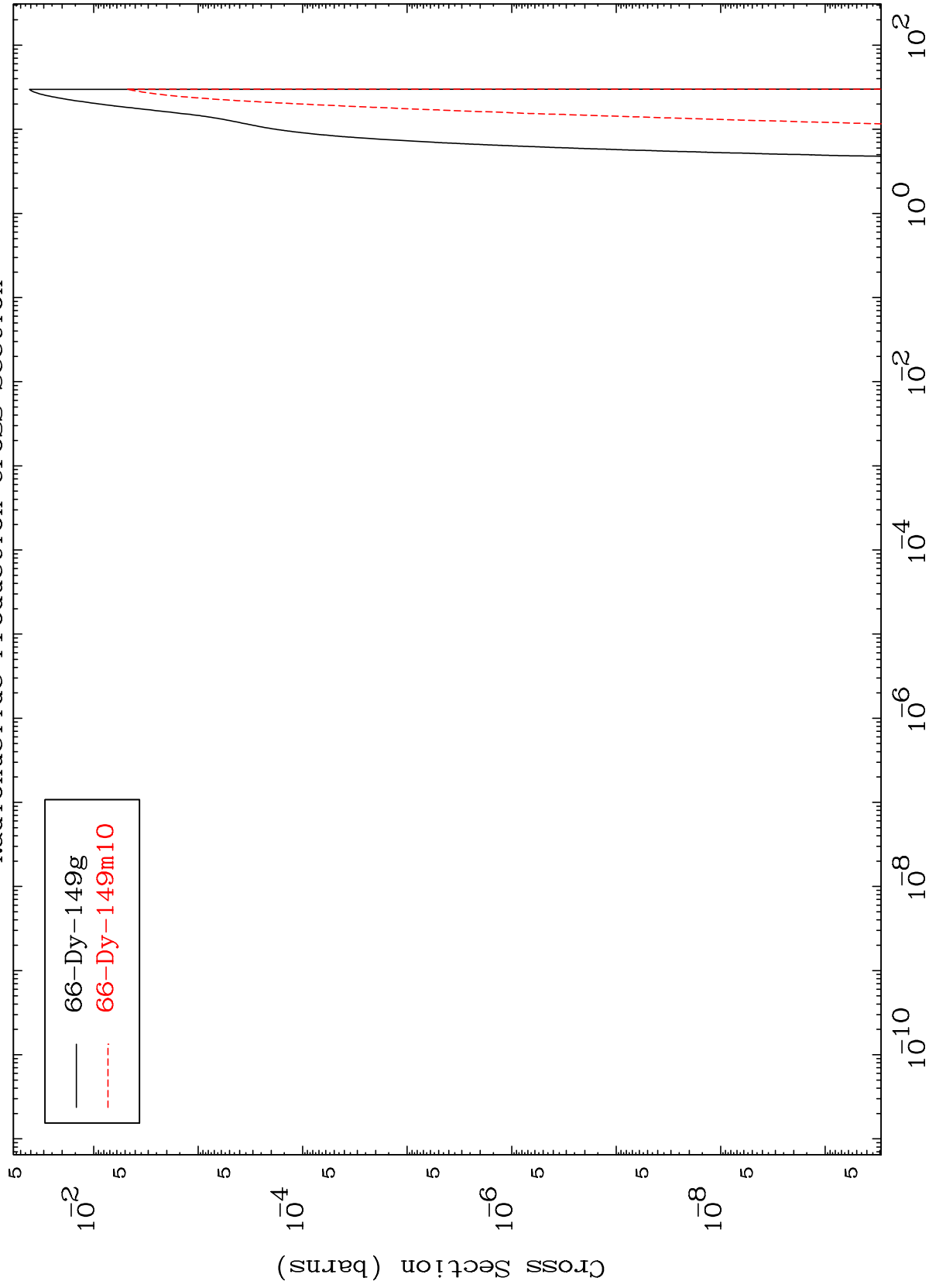
69-Tm-154

MAT 6880

(n,n') p  $\alpha$

69-Tm-154

Radionuclide Production Cross Section



125

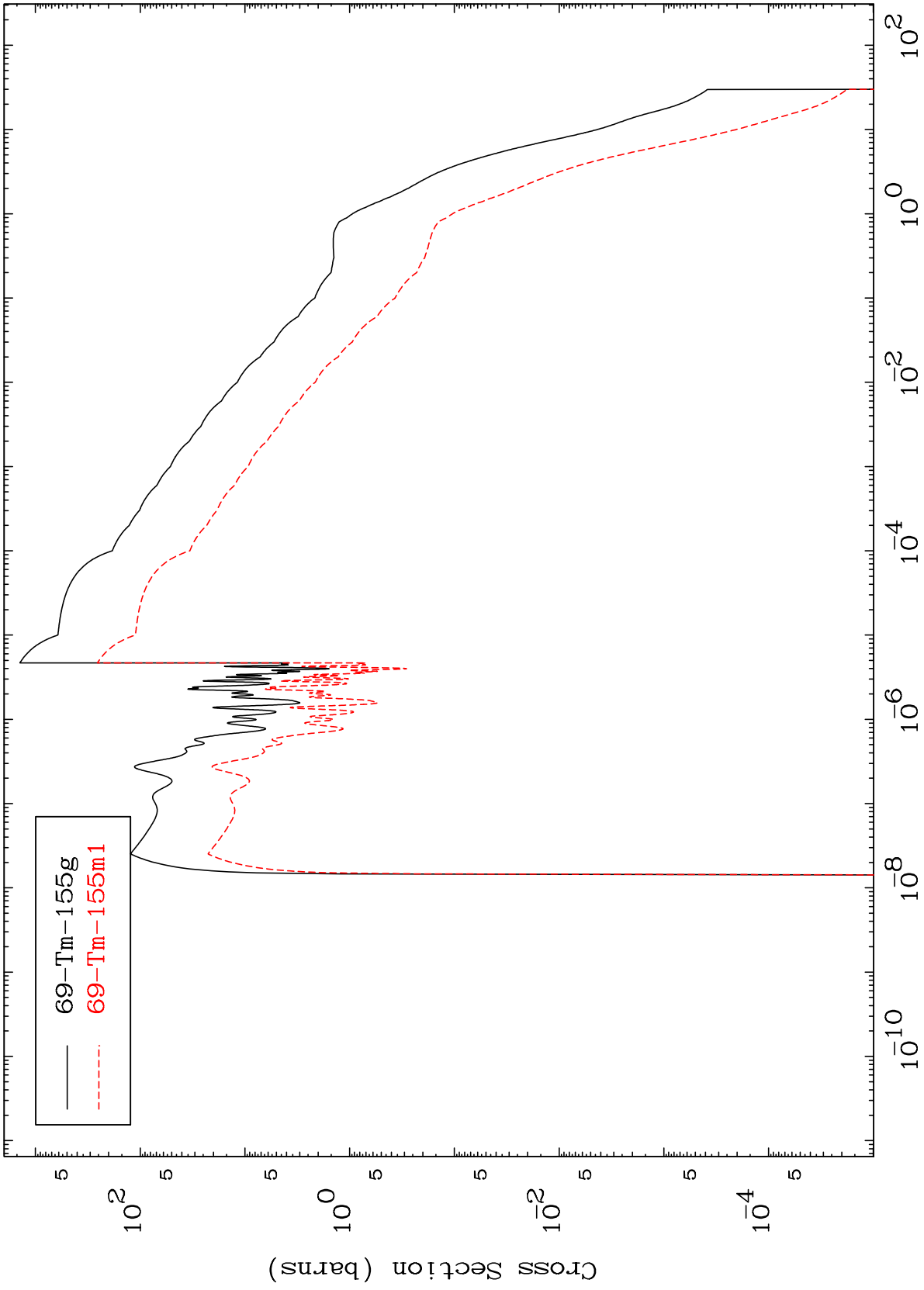
Incident Energy (MeV)

69-Tm-154

MAT 6880

69-Tm-154

Radionuclide Production Cross Section (n,γ)



126

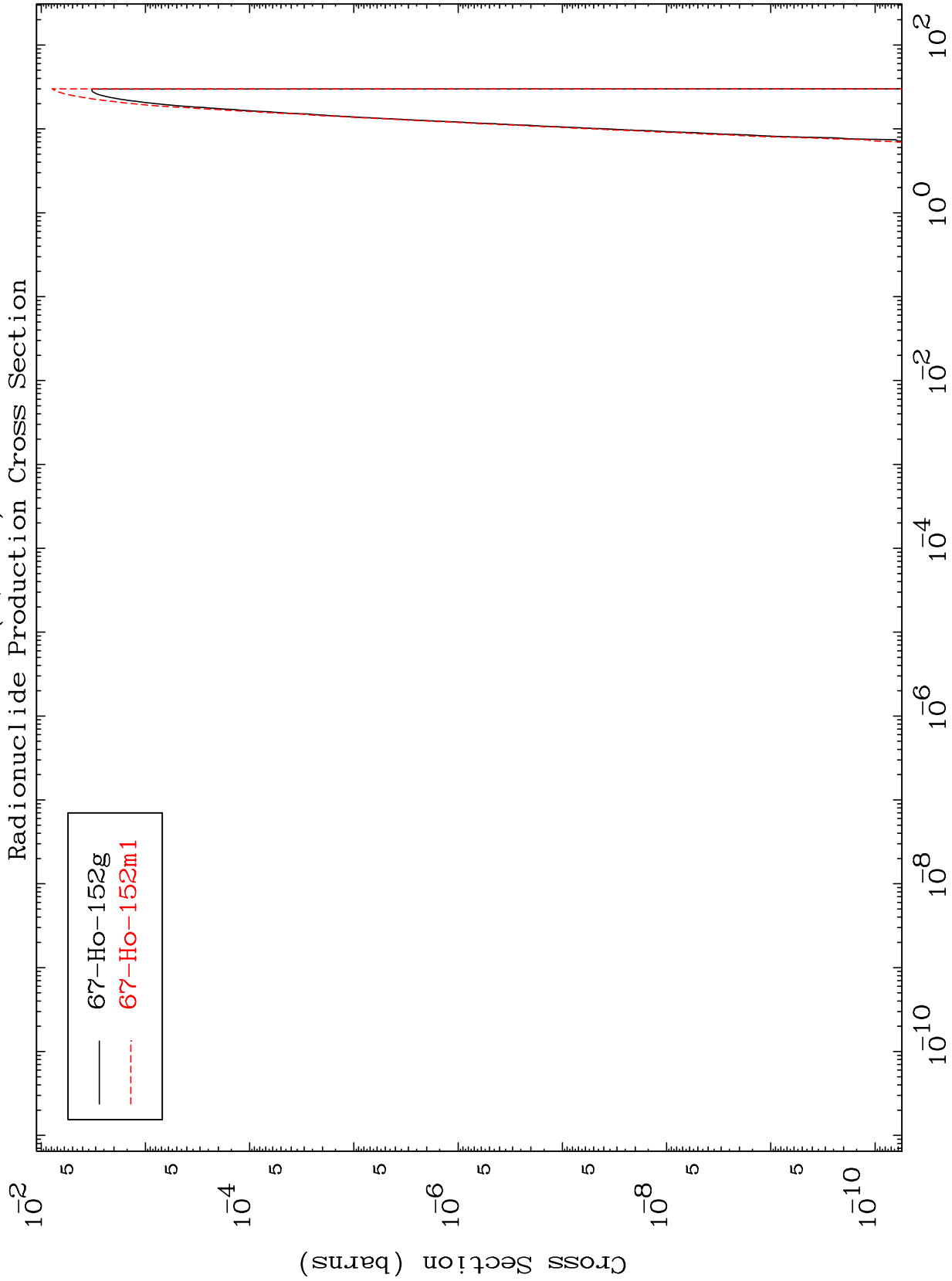
69-Tm-154

MAT 6880

(n, He-3)

69-Tm-154

Radionuclide Production Cross Section



67-Ho-152g  
67-Ho-152m1

127

Incident Energy (MeV)

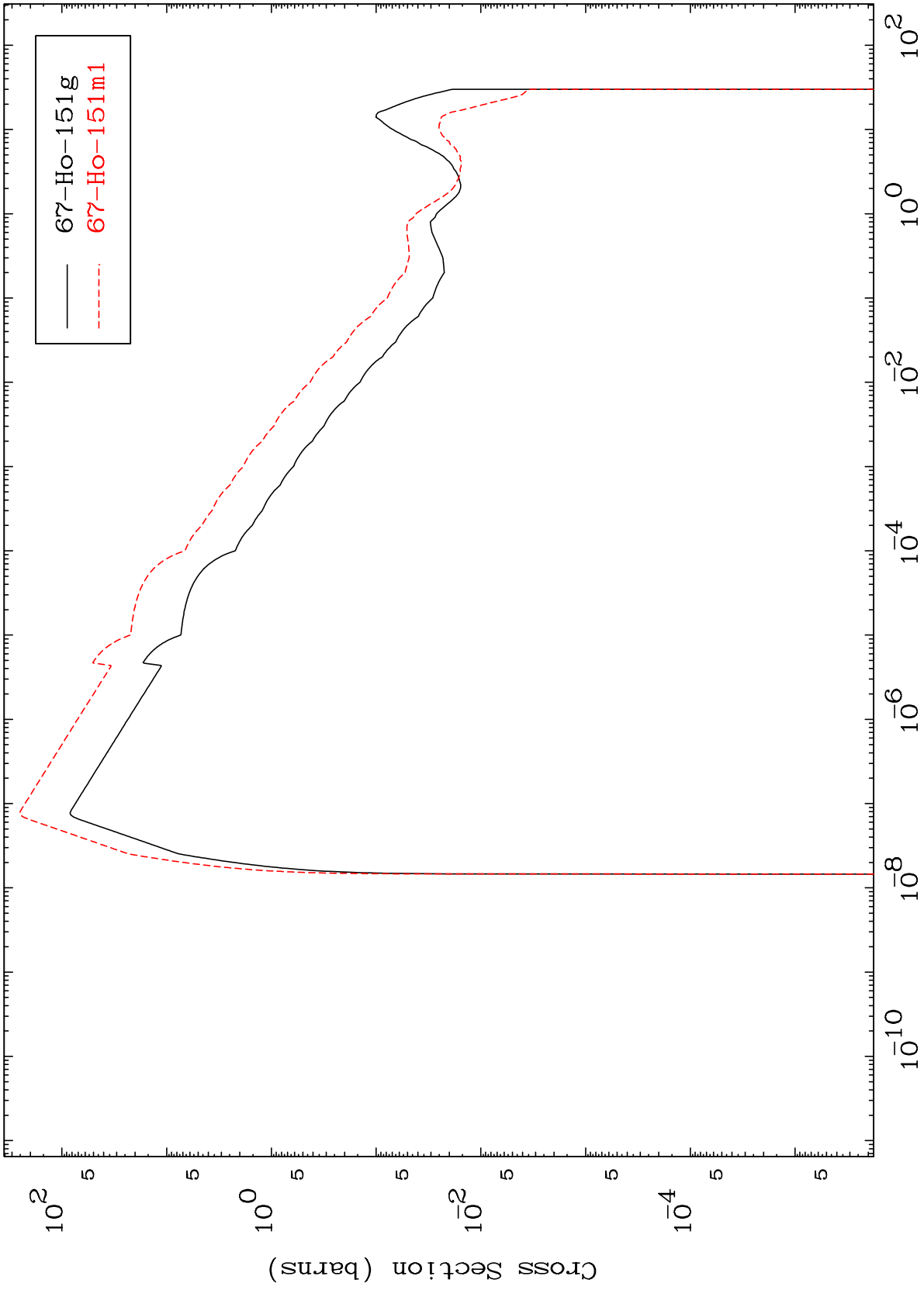
69-Tm-154



MAT 6880

69-Tm-154

(n,α)  
Radionuclide Production Cross Section



128

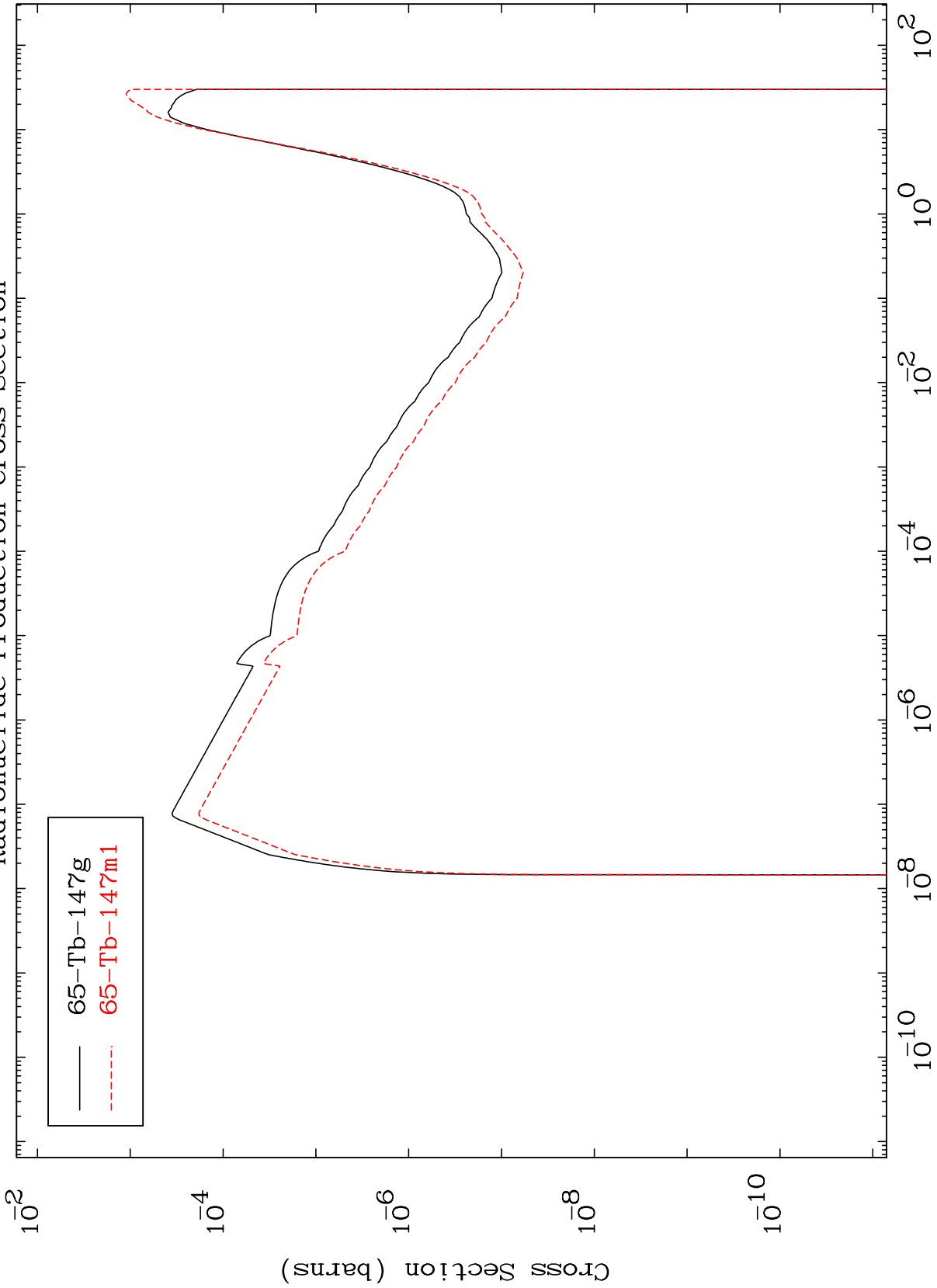
69-Tm-154

MAT 6880

(n,2α)

69-Tm-154

Radionuclide Production Cross Section



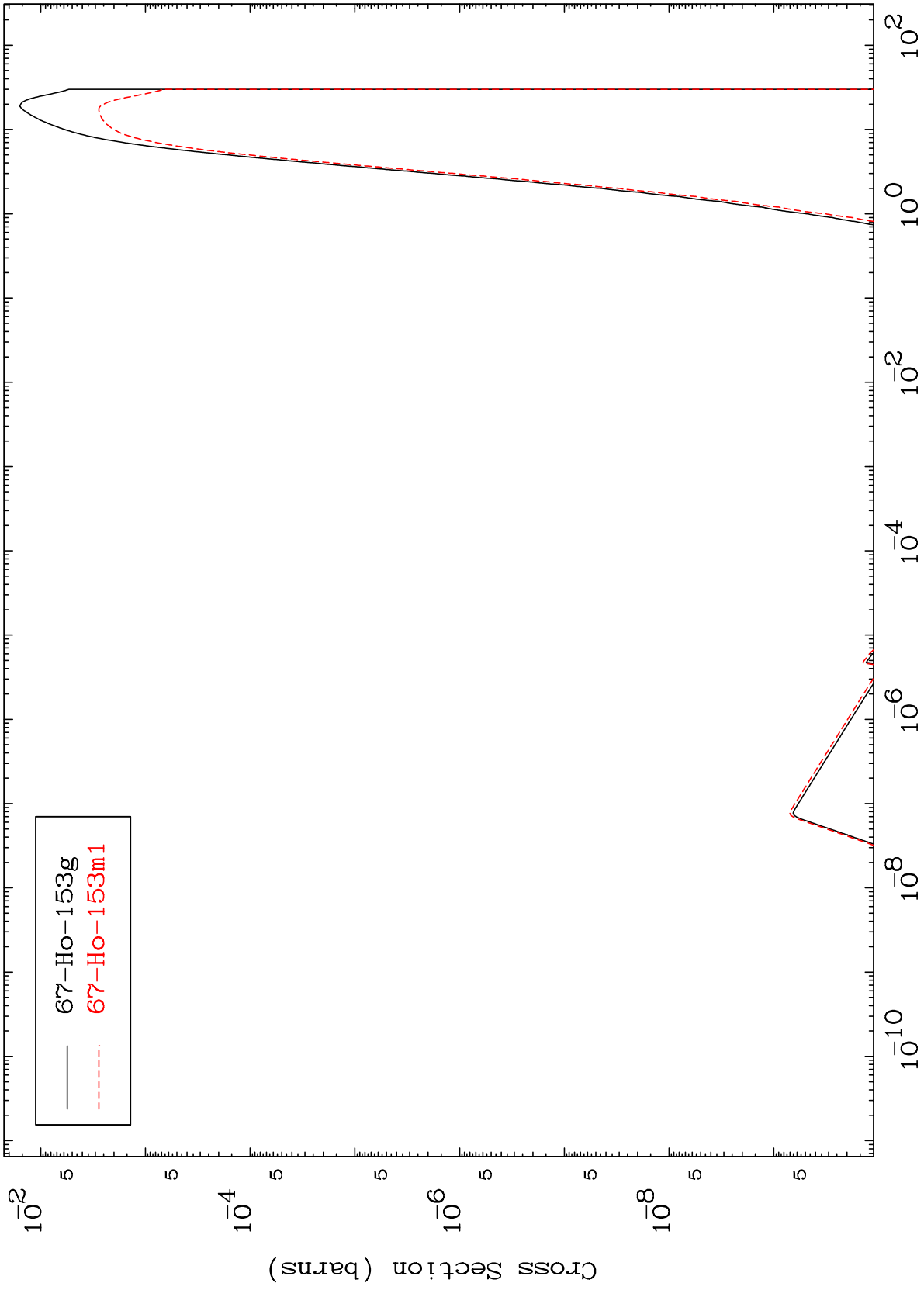
— 65-Tb-147g  
- - - 65-Tb-147m1

MAT 6880

(n,2p)

69-Tm-154

Radionuclide Production Cross Section



130

Incident Energy (MeV)

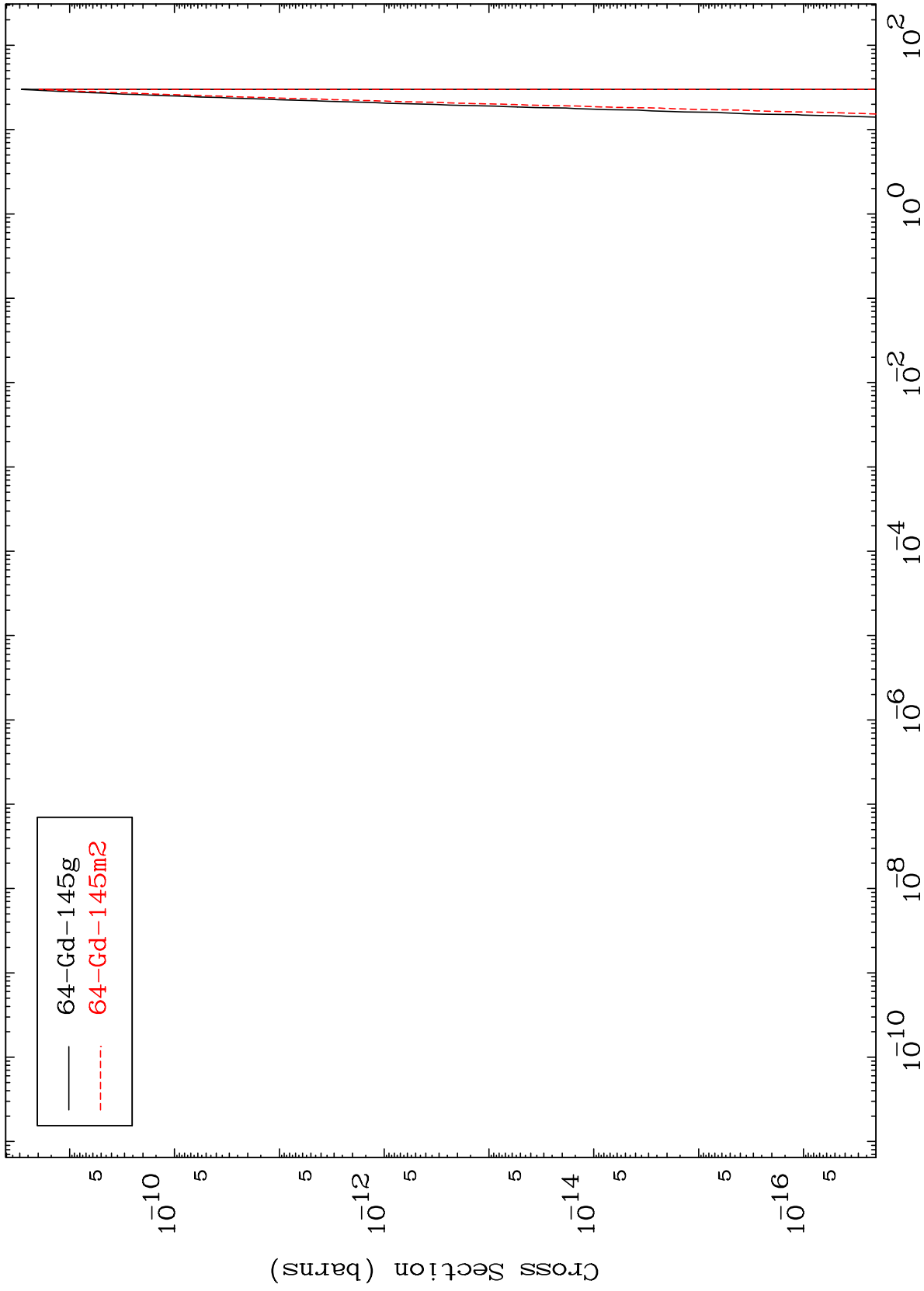
69-Tm-154

MAT 6880

(n,d) 2α

69-Tm-154

Radionuclide Production Cross Section



131

Incident Energy (MeV)

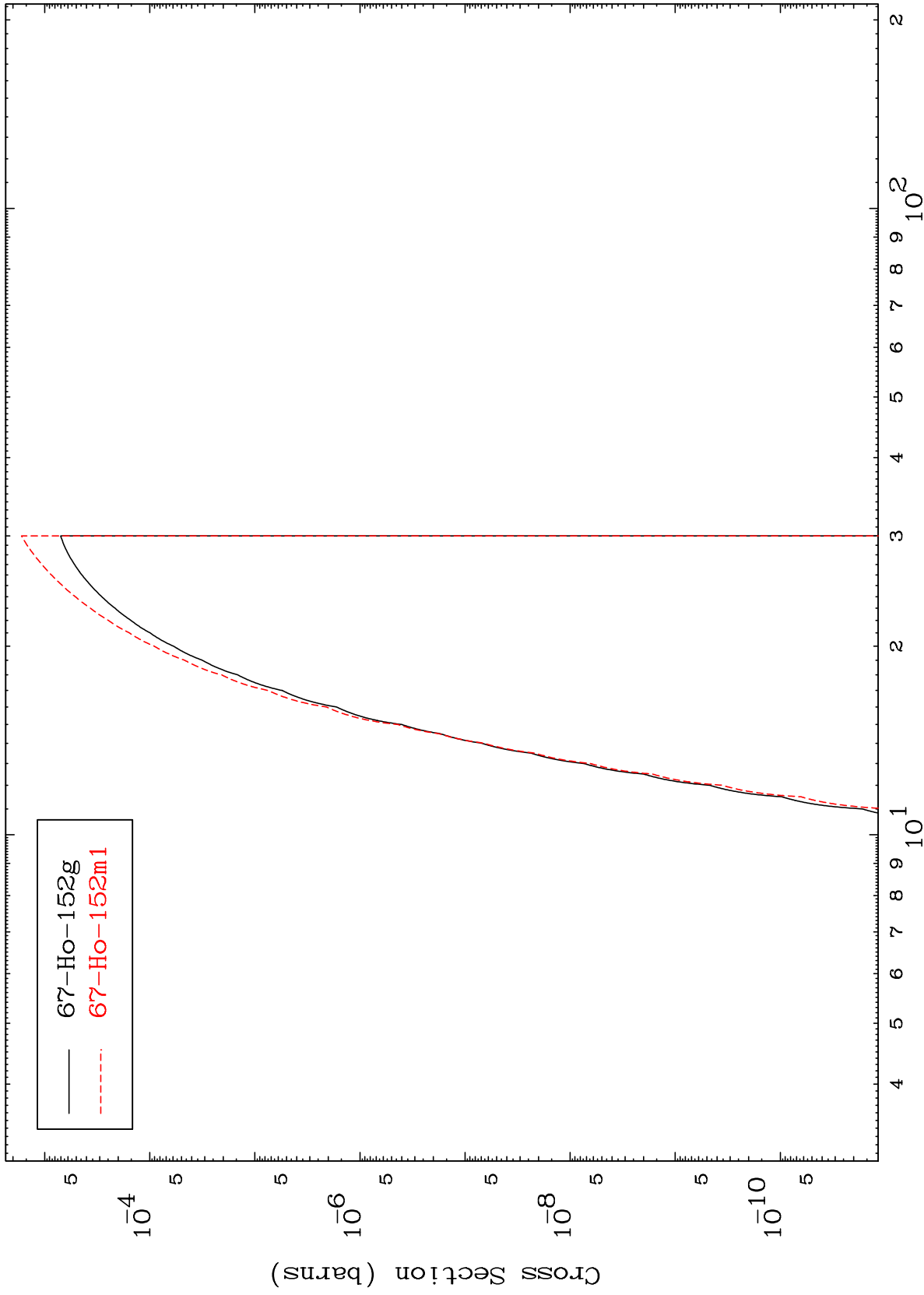
69-Tm-154

MAT 6880

(n,p) d

69-Tm-154

Radionuclide Production Cross Section



132

Incident Energy (MeV)

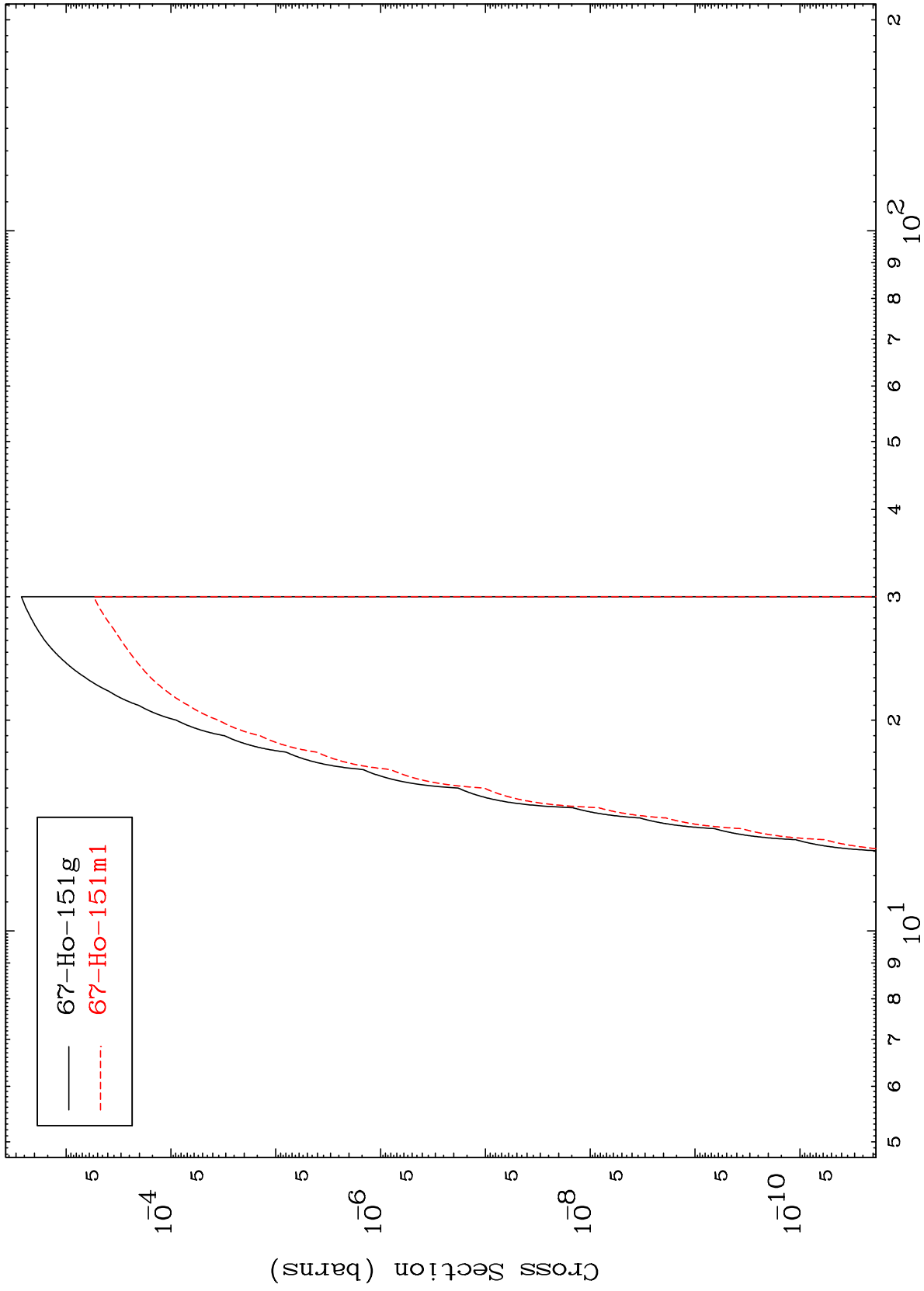
69-Tm-154

MAT 6880

(n,p) t

69-Tm-154

Radionuclide Production Cross Section



133

Incident Energy (MeV)

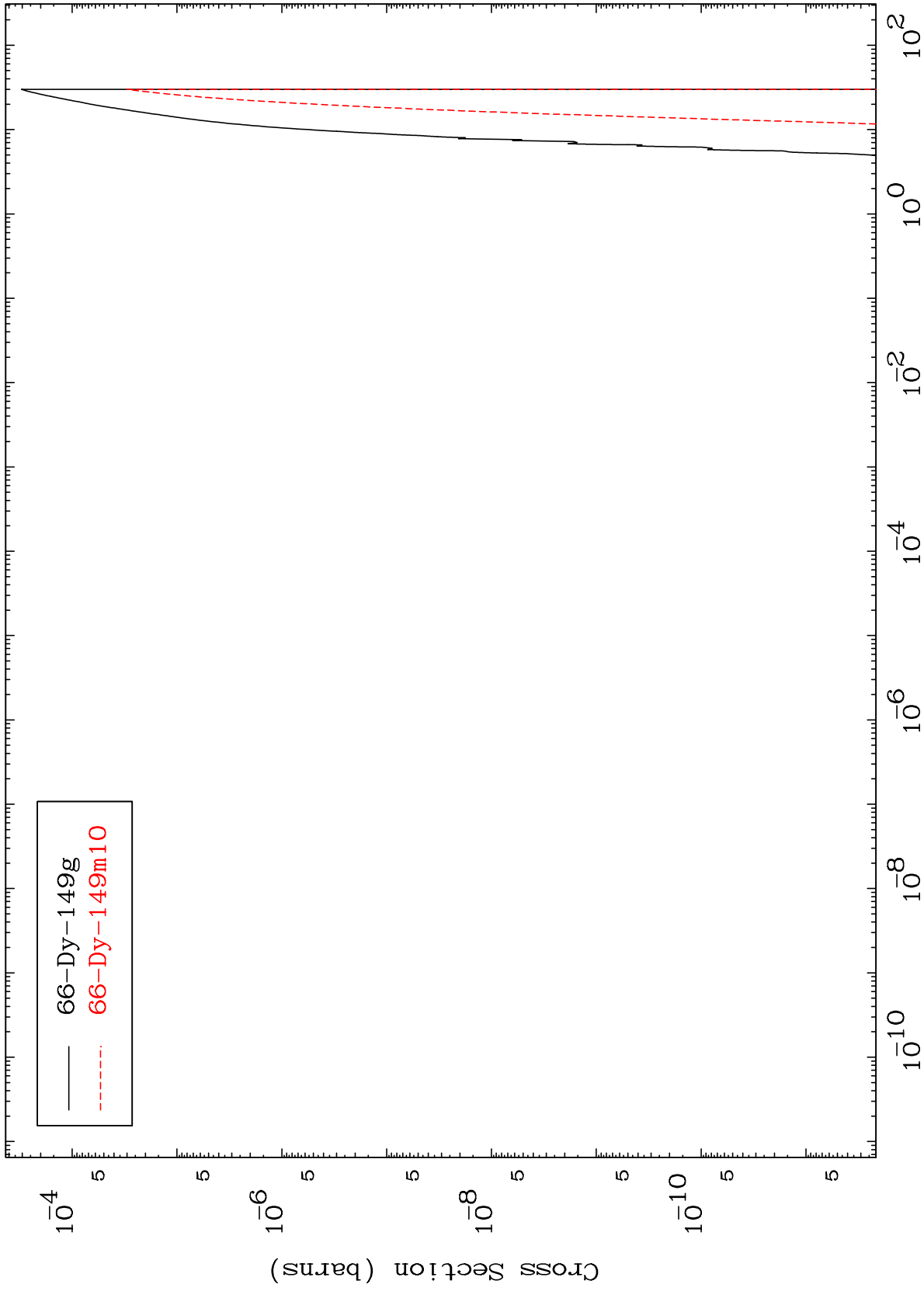
69-Tm-154

MAT 6880

(n,d)  $\alpha$

69-Tm-154

Radionuclide Production Cross Section



134

Incident Energy (MeV)

69-Tm-154