

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

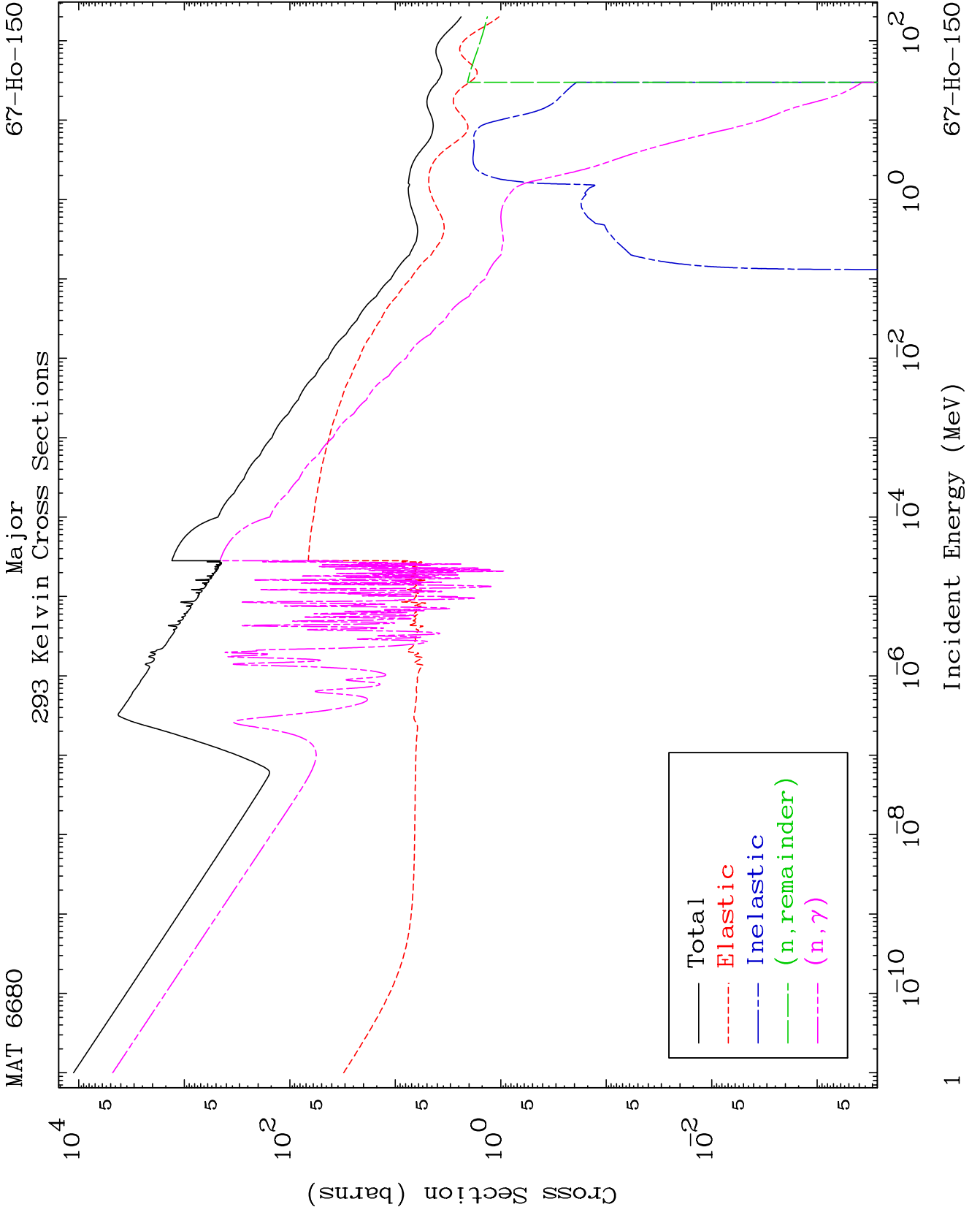
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

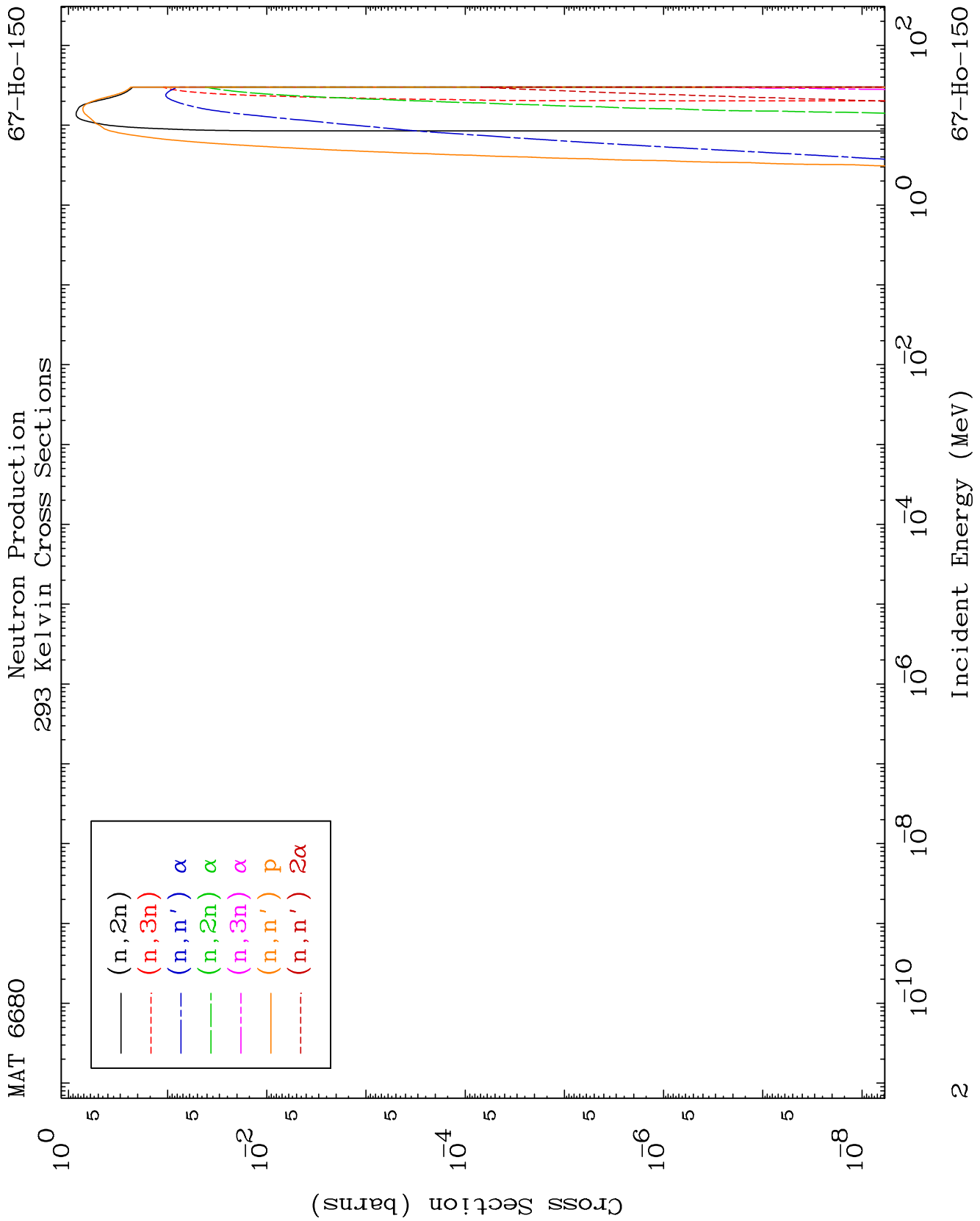
Tele: 925-443-1911

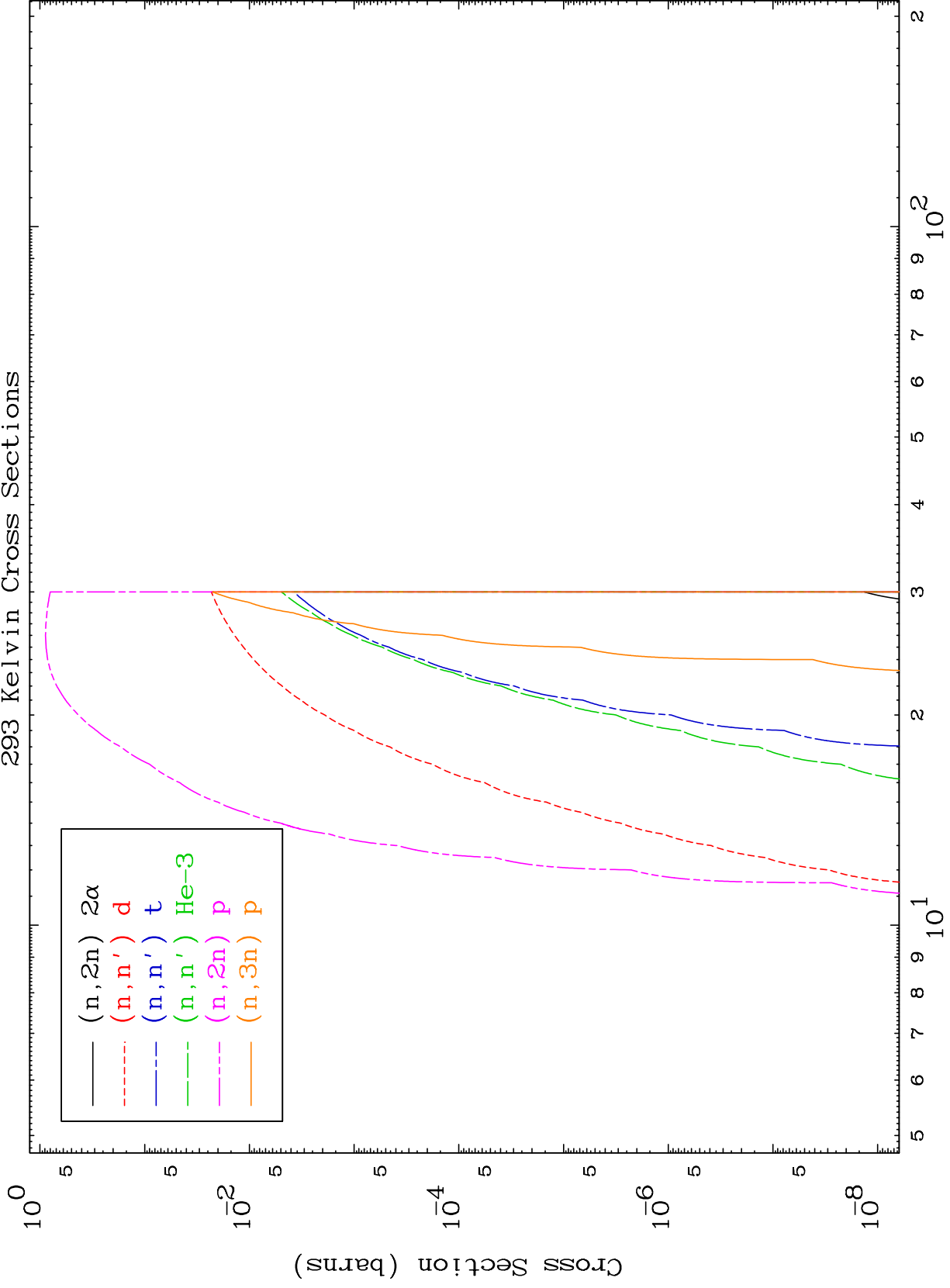
E.Mail:redcullen1@comcast.net

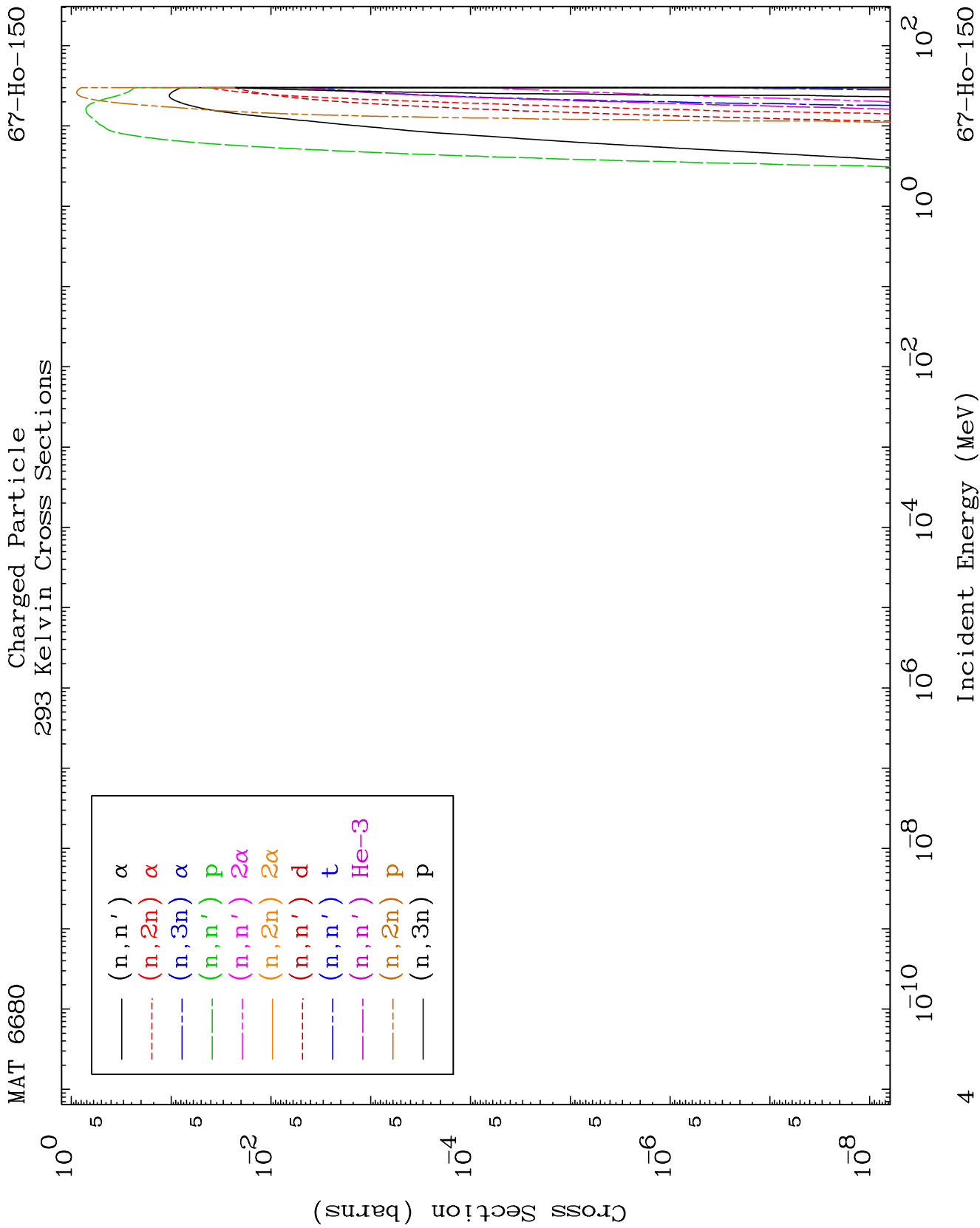
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Press Mouse Button to Start





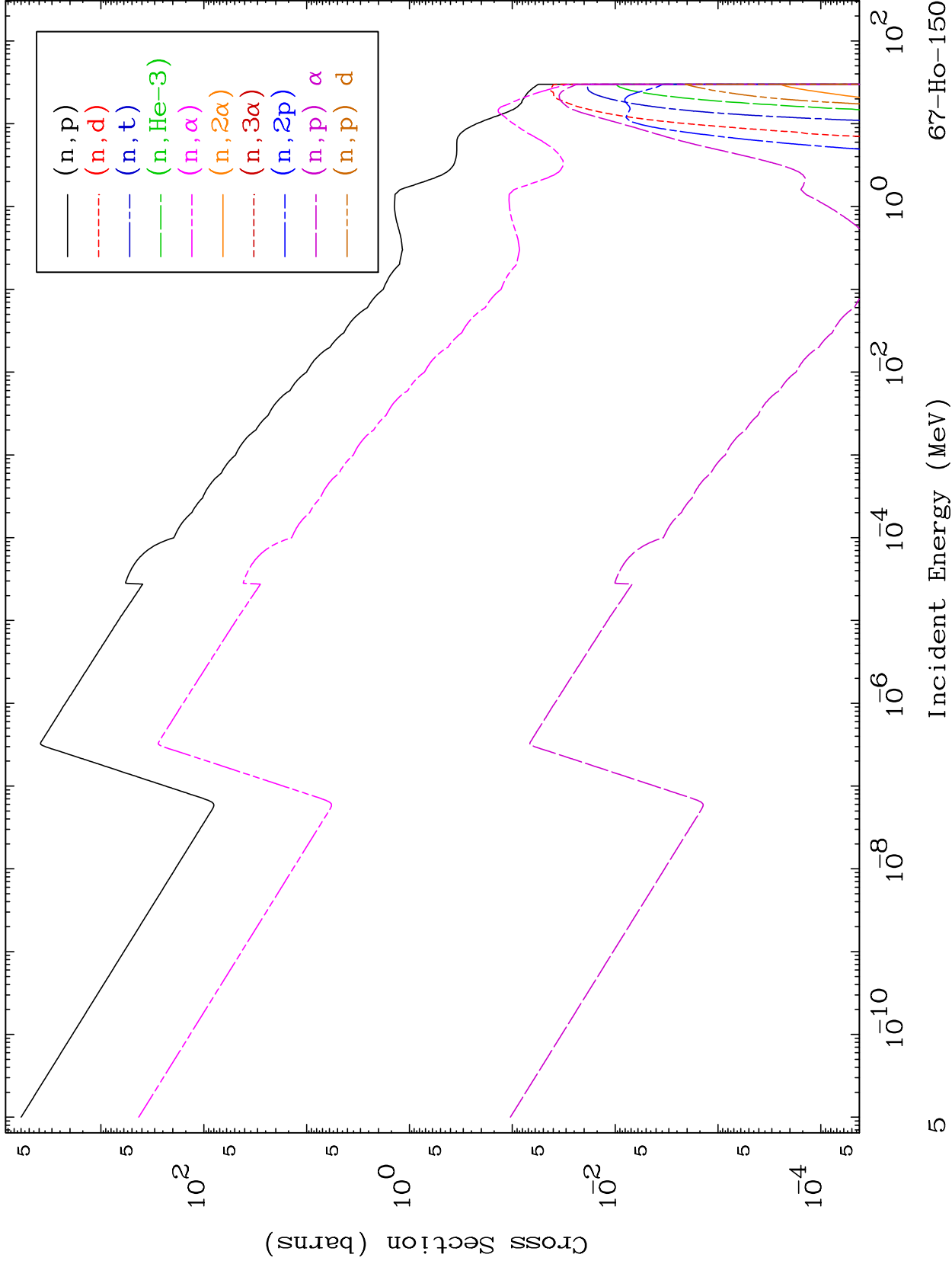




MAT 6680

Charged Particle  
293 Kelvin Cross Sections

67-Ho-150



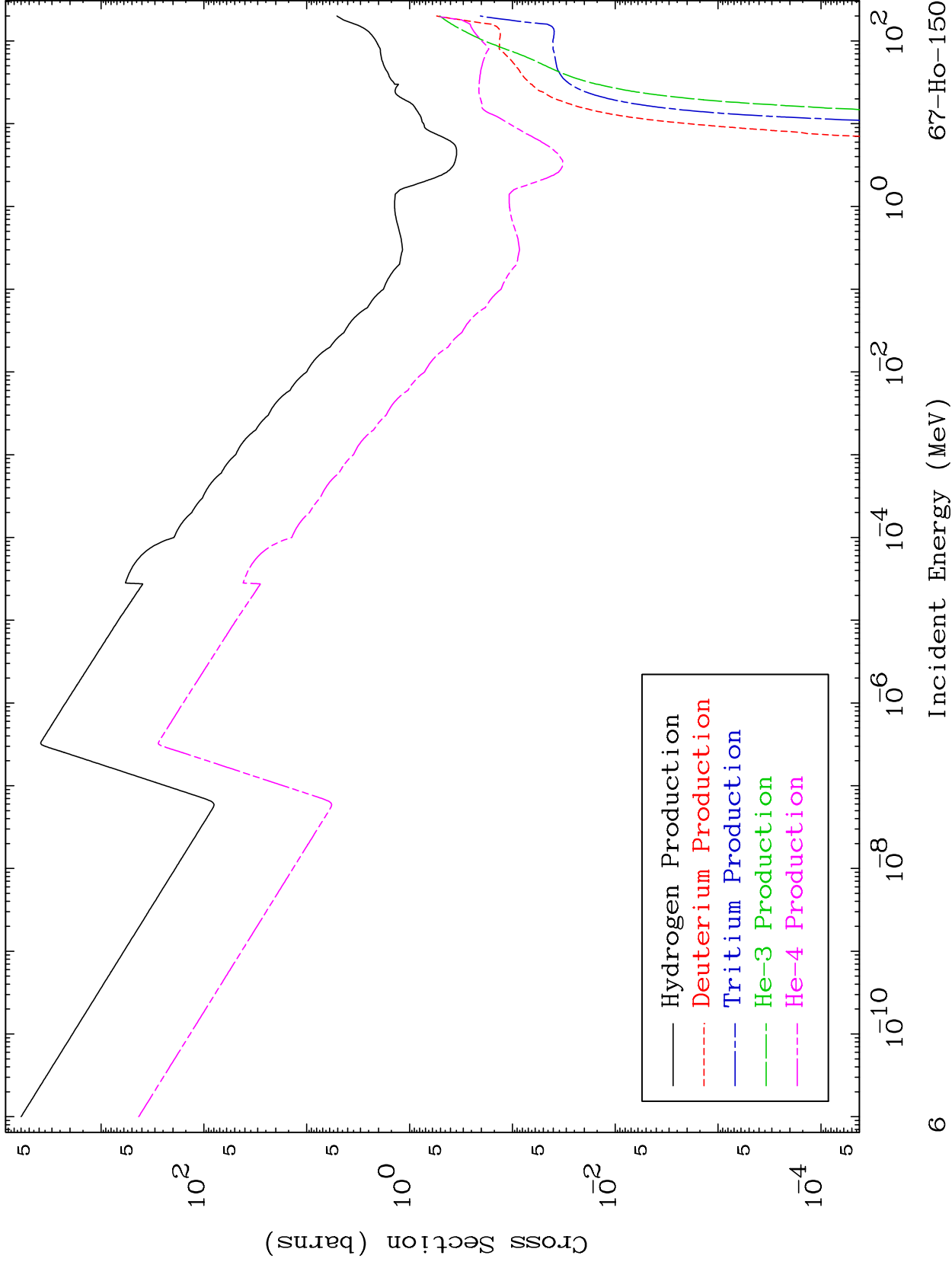
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67-Ho-150

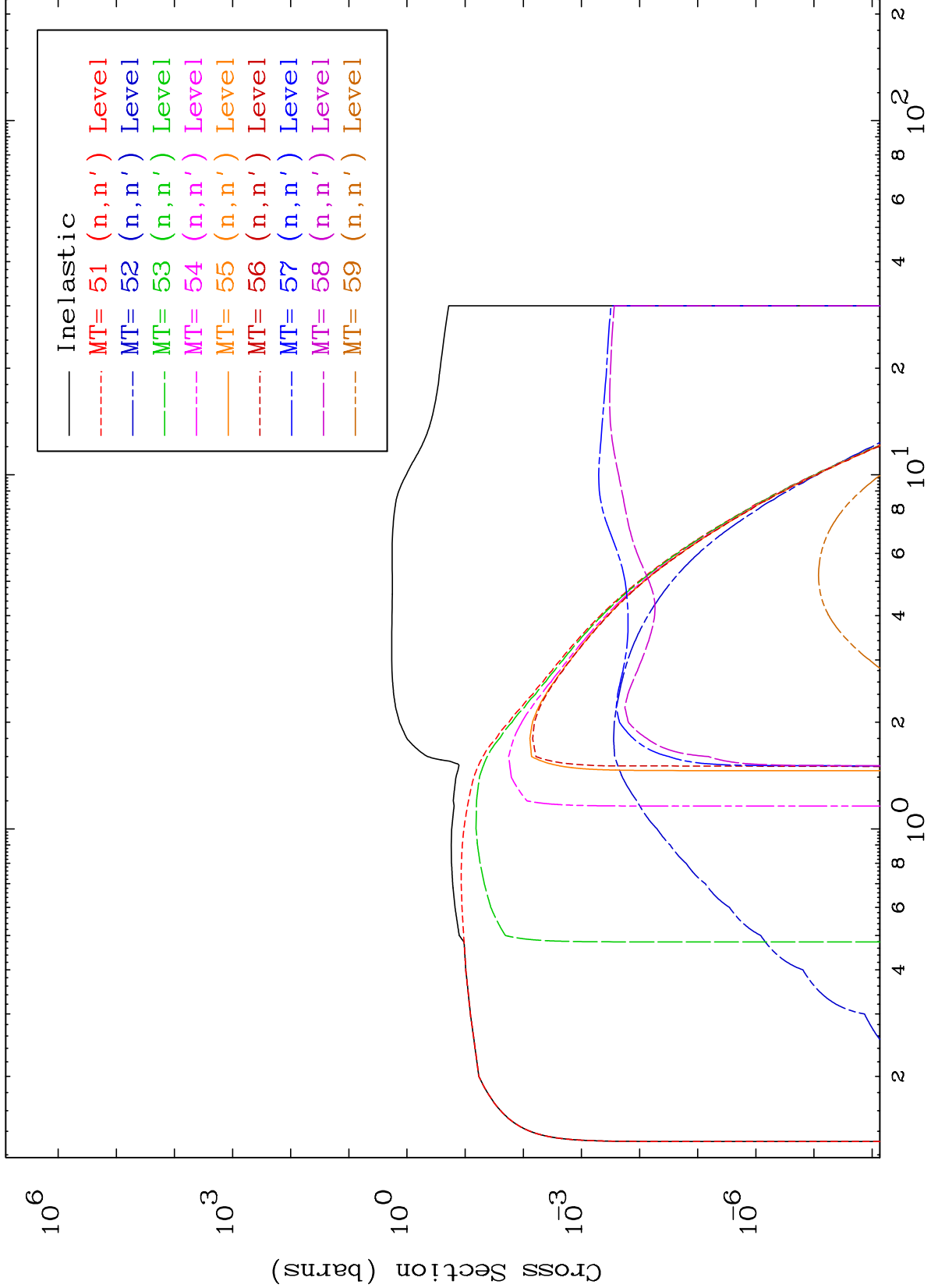
MAT 6680

Particle Production  
293 Kelvin Cross Sections

67-Ho-150



293 Kelvin Cross Sections



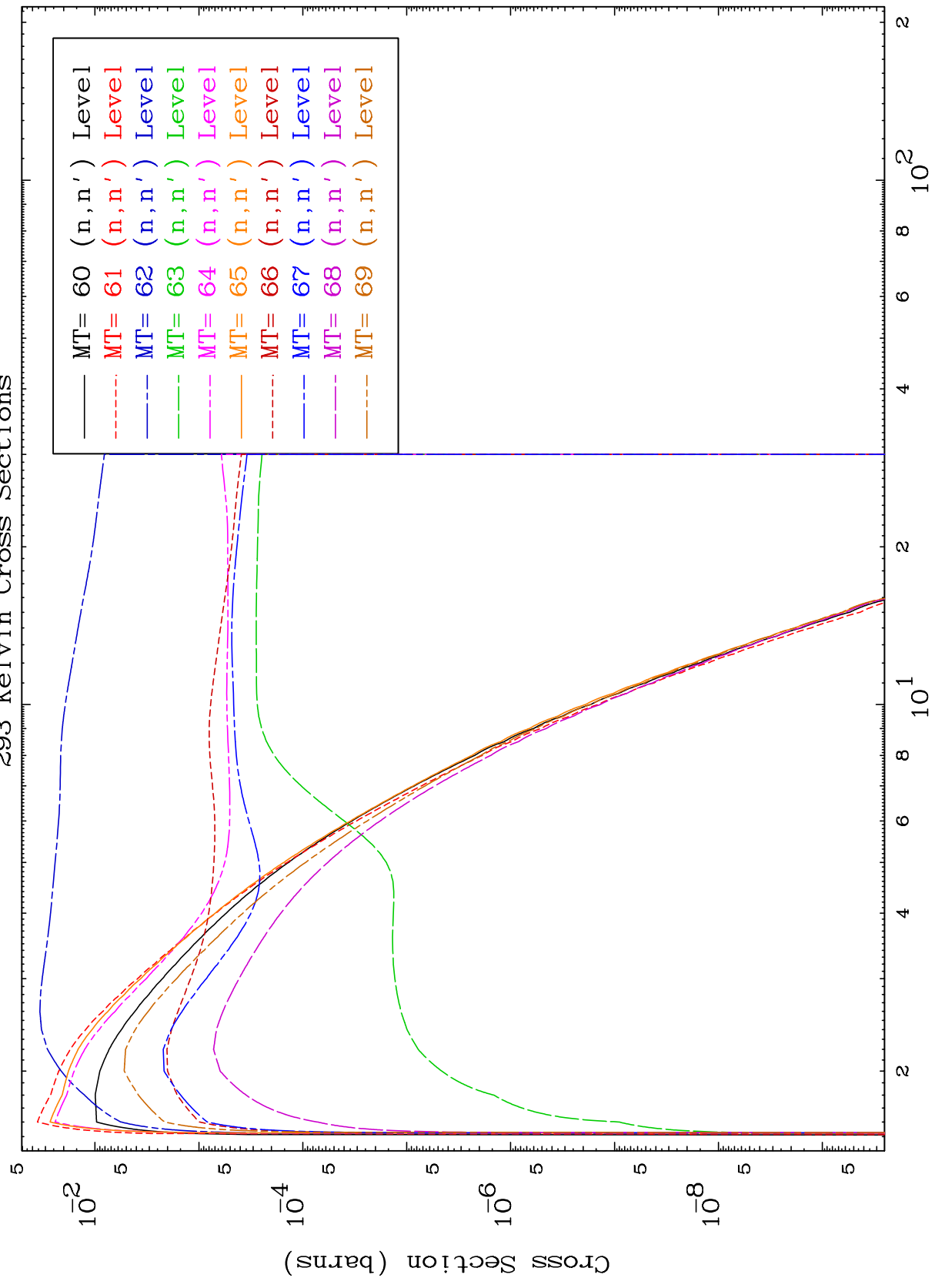


MAT 6680

(n,n') Level

293 Kelvin Cross Sections

67-Ho-150

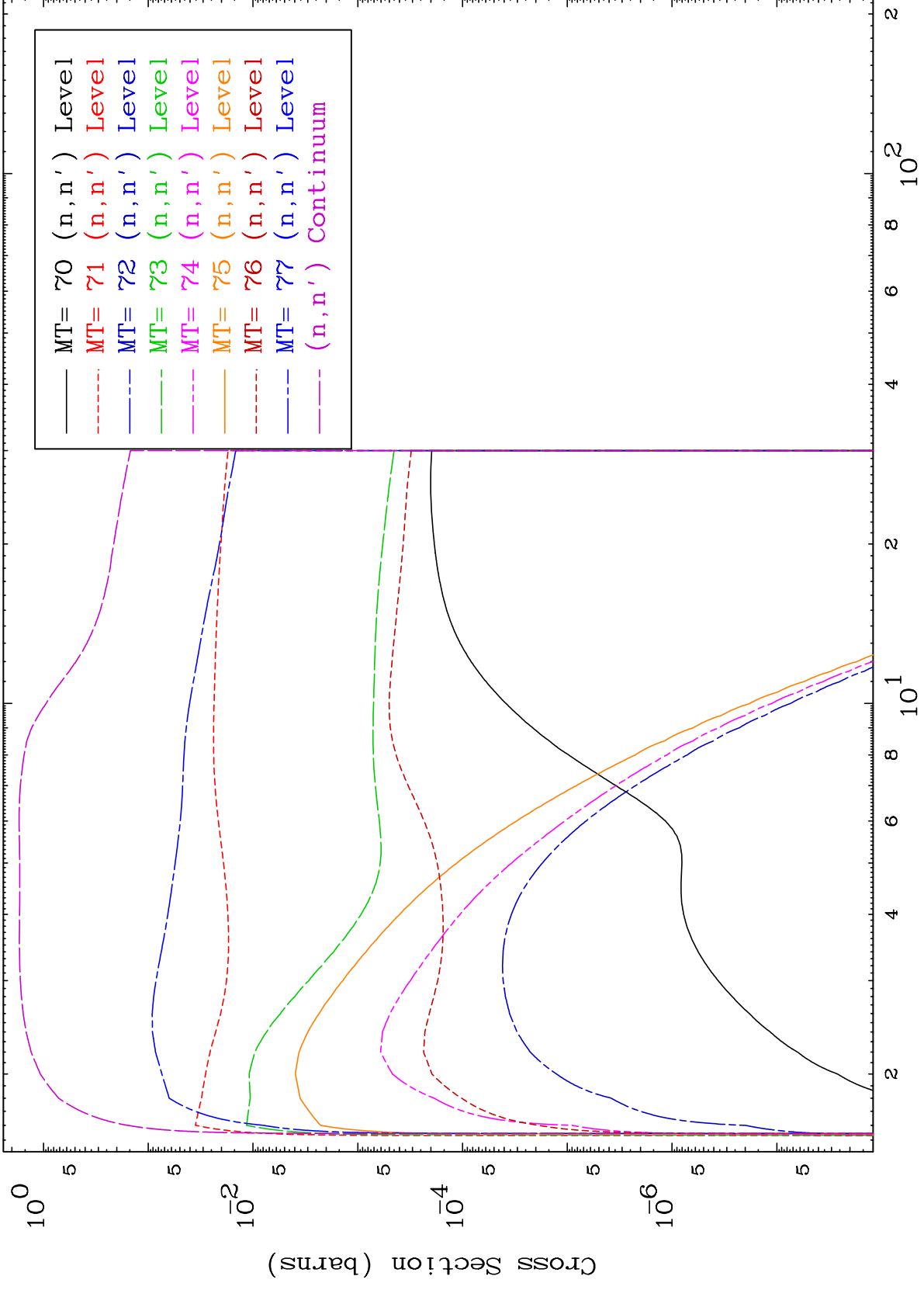


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Incident Energy (MeV)

67-Ho-150

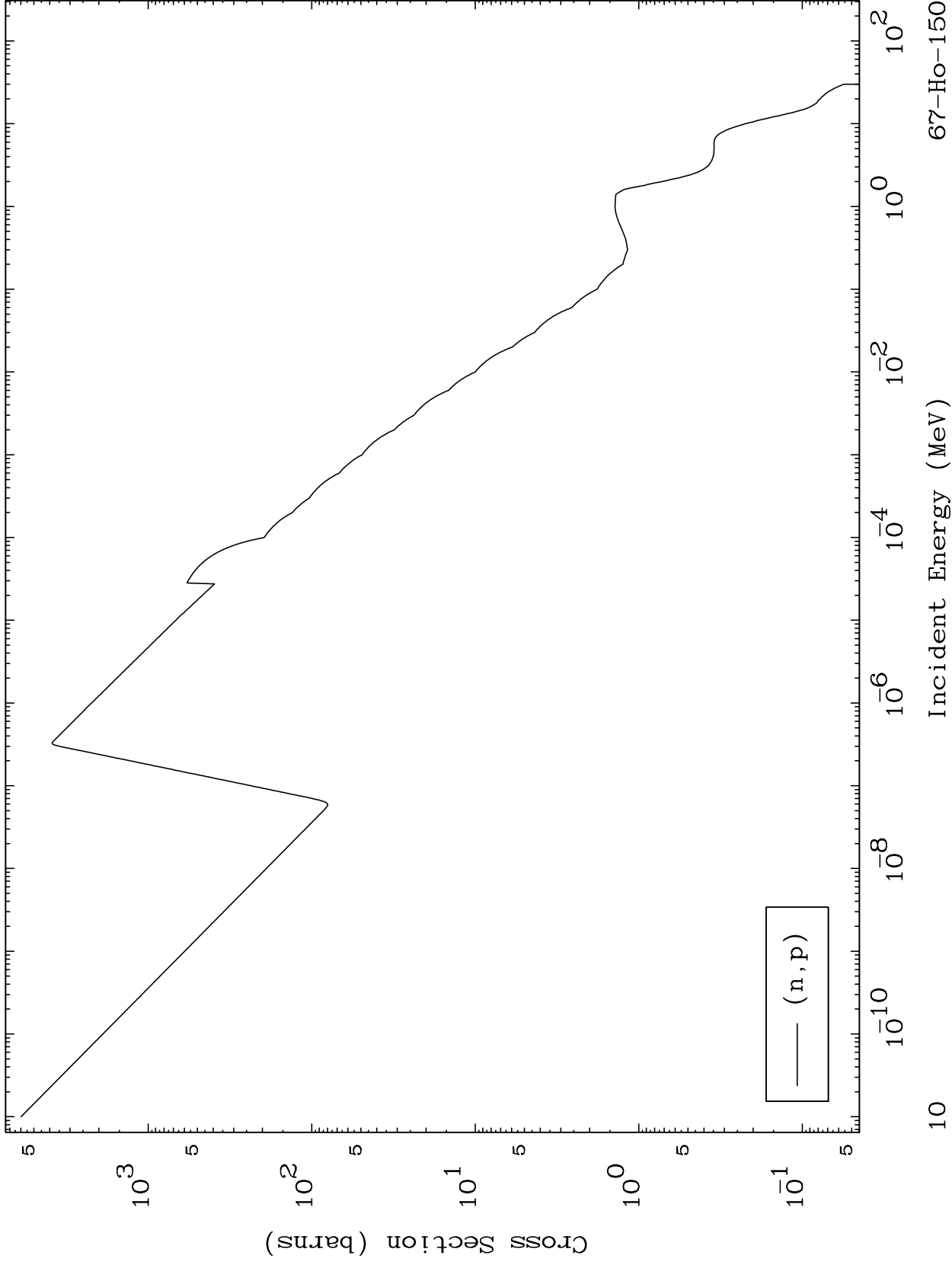
293 Kelvin Cross Sections



MAT 6680

(n,p) Levels  
293 Kelvin Cross Sections

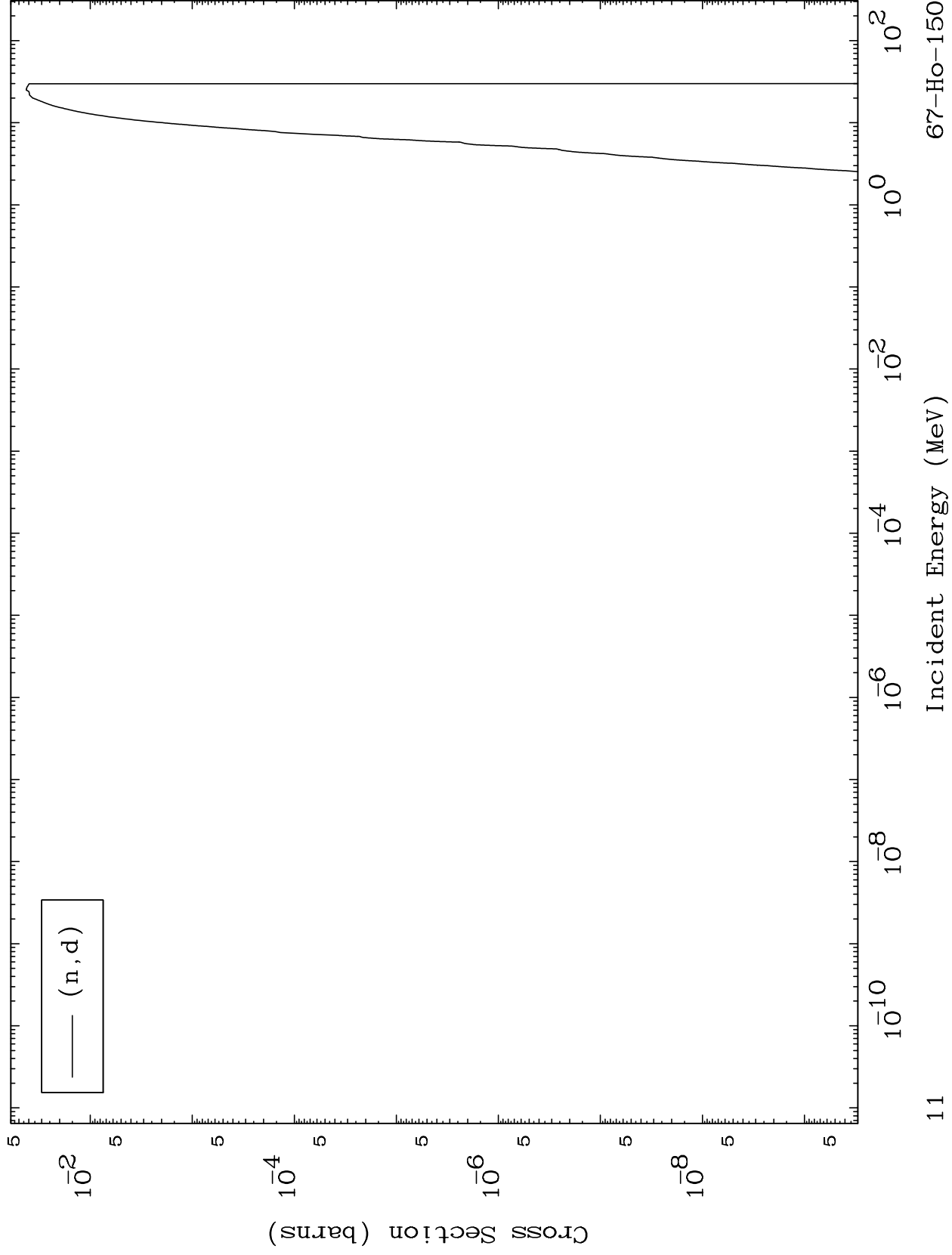
67-Ho-150



MAT 6680

(n,d) Levels  
293 Kelvin Cross Sections

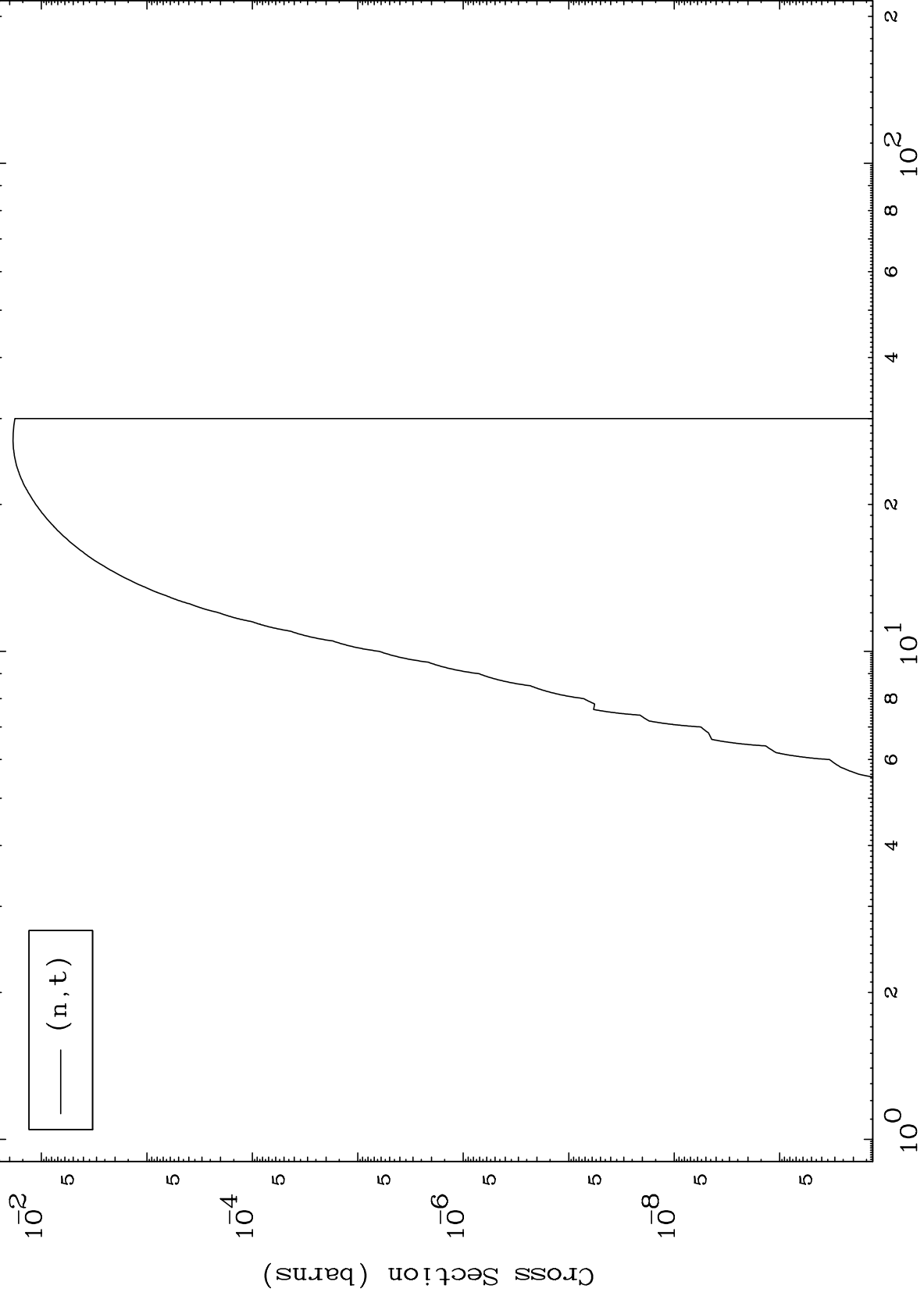
67-Ho-150



MAT 6680

(n,t) Levels  
293 Kelvin Cross Sections

67-Ho-150



12

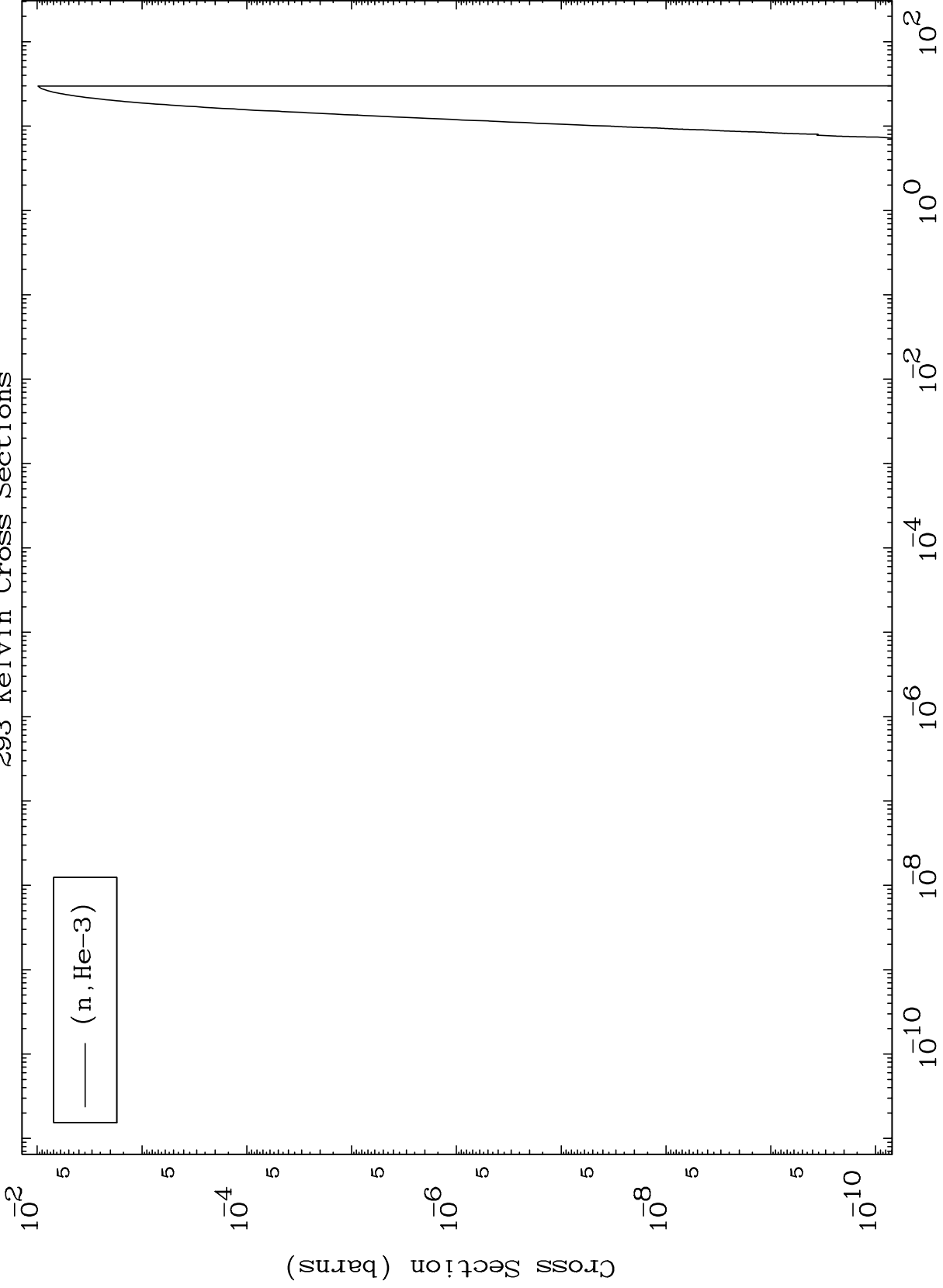
Incident Energy (MeV)

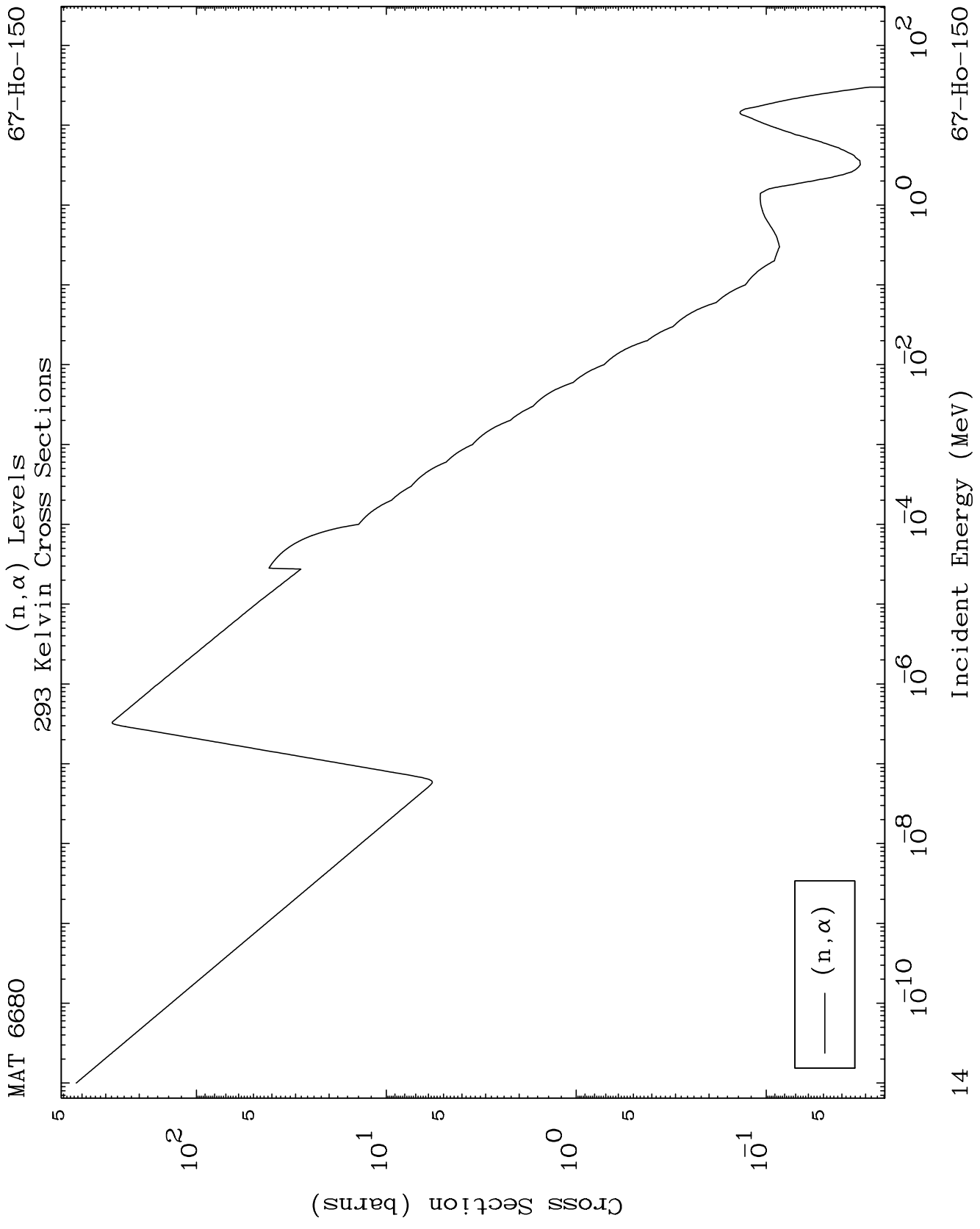
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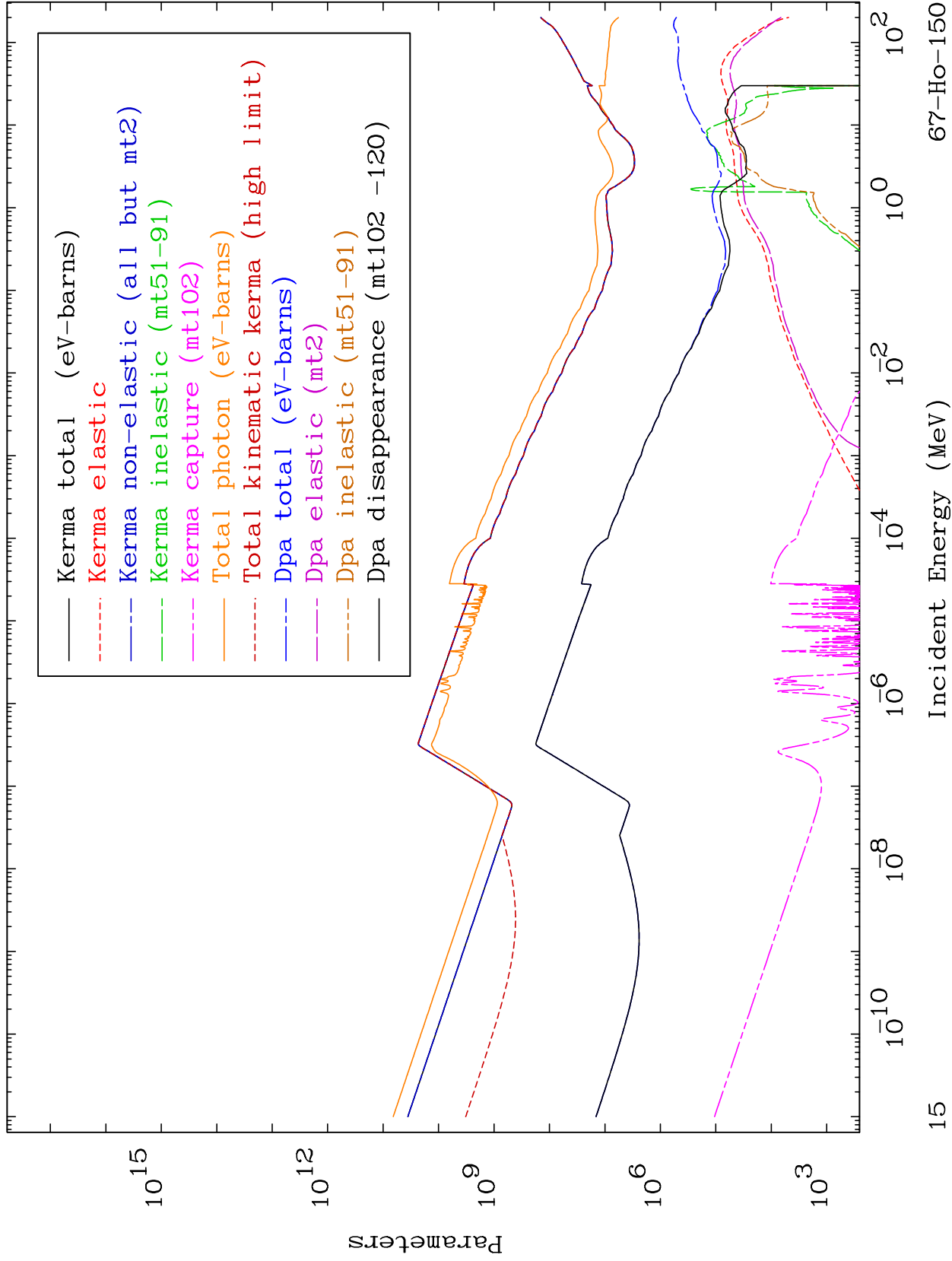
MAT 6680

(n,He3) Levels  
293 Kelvin Cross Sections

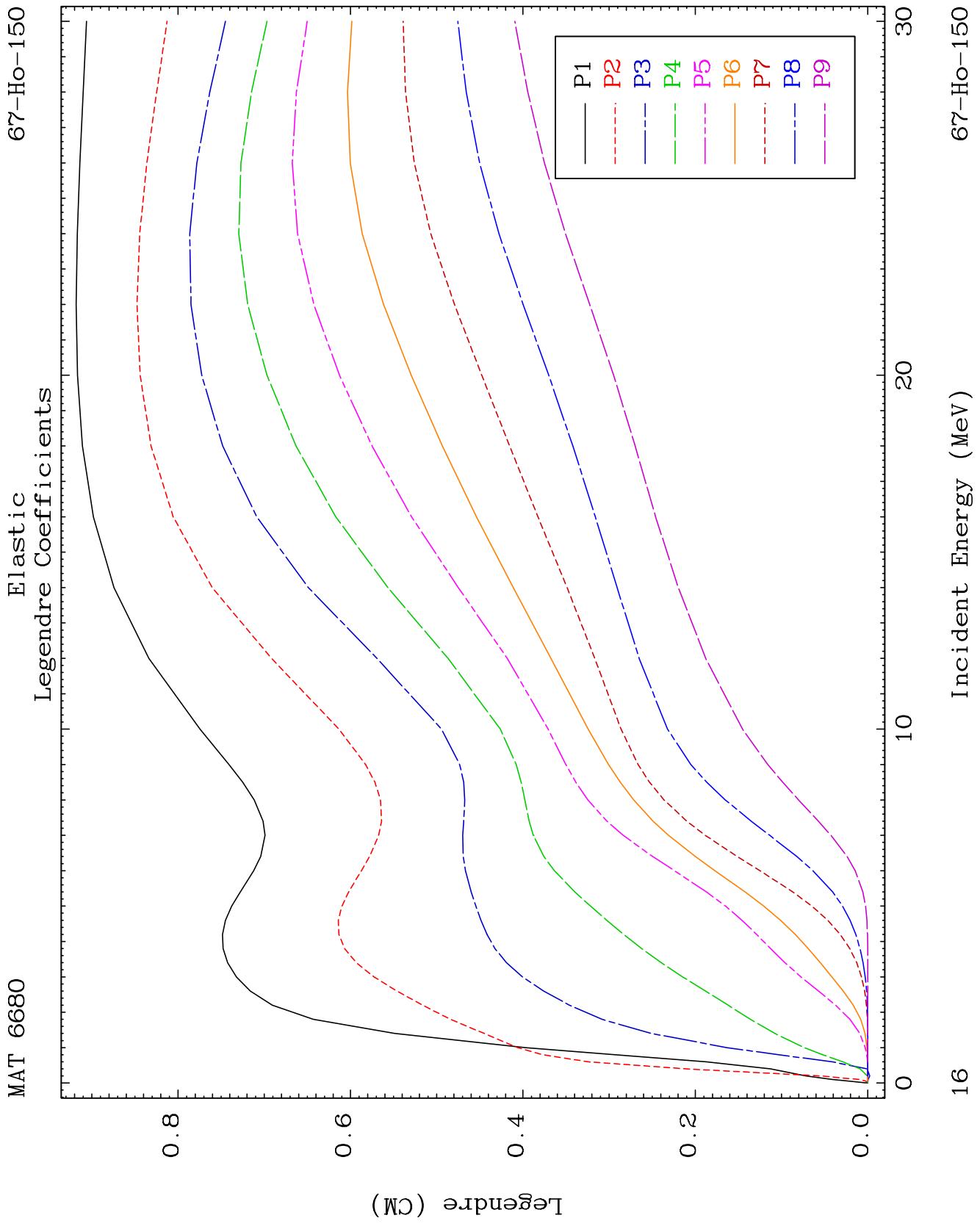
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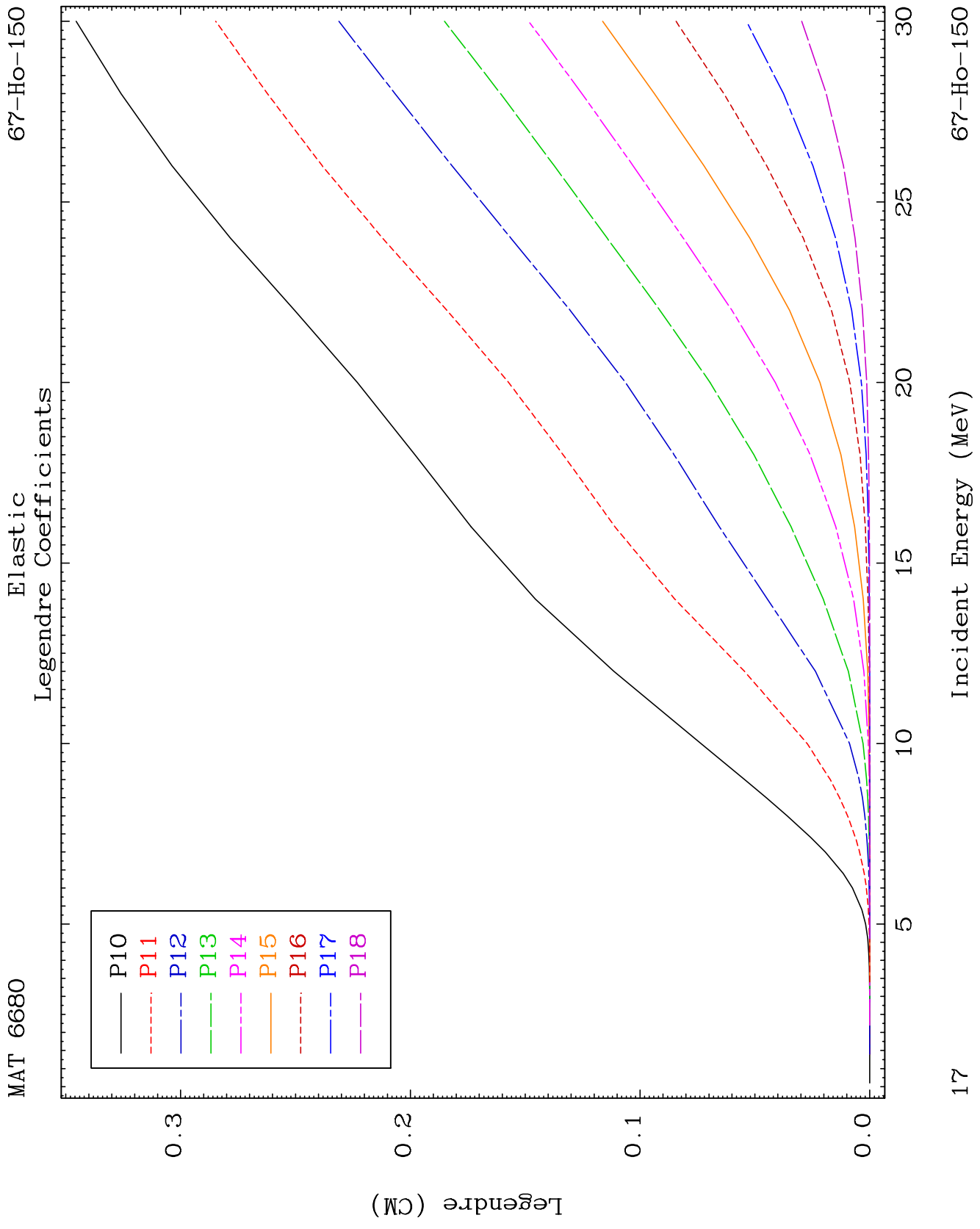










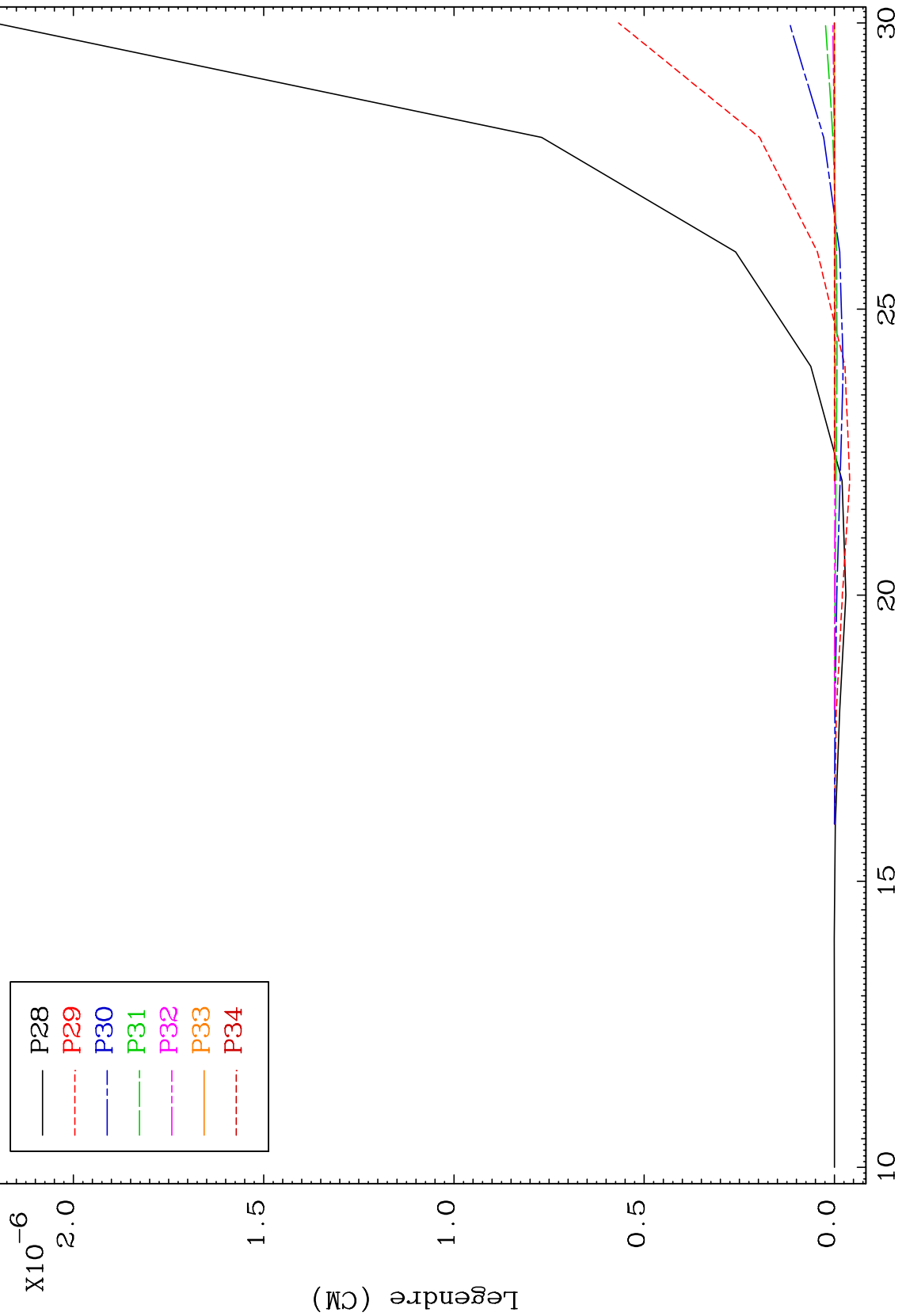
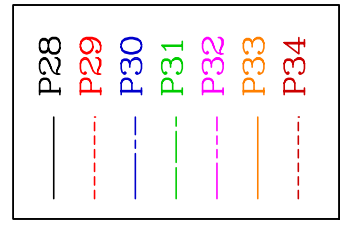




MAT 6680

Elastic Legendre Coefficients

67-Ho-150

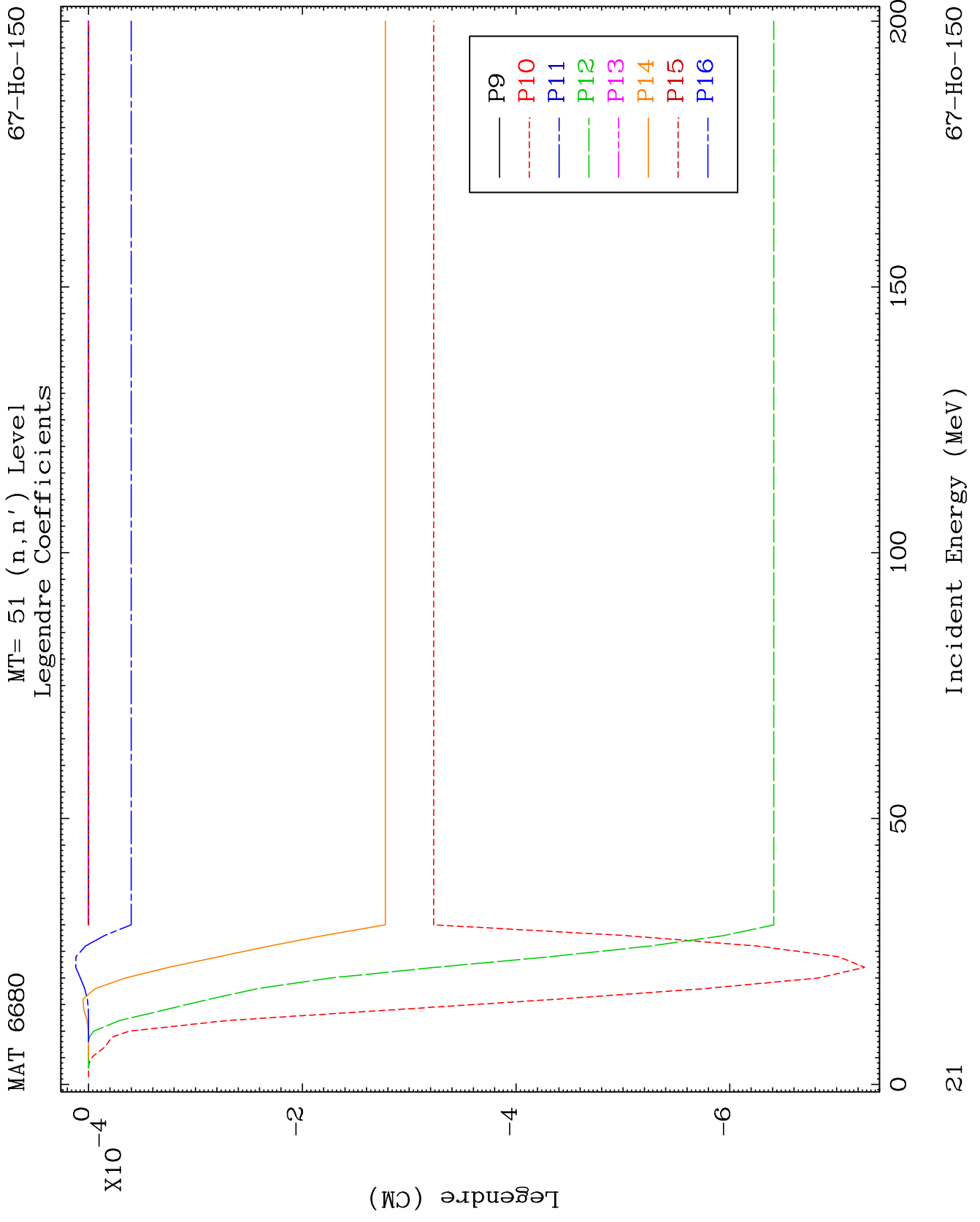


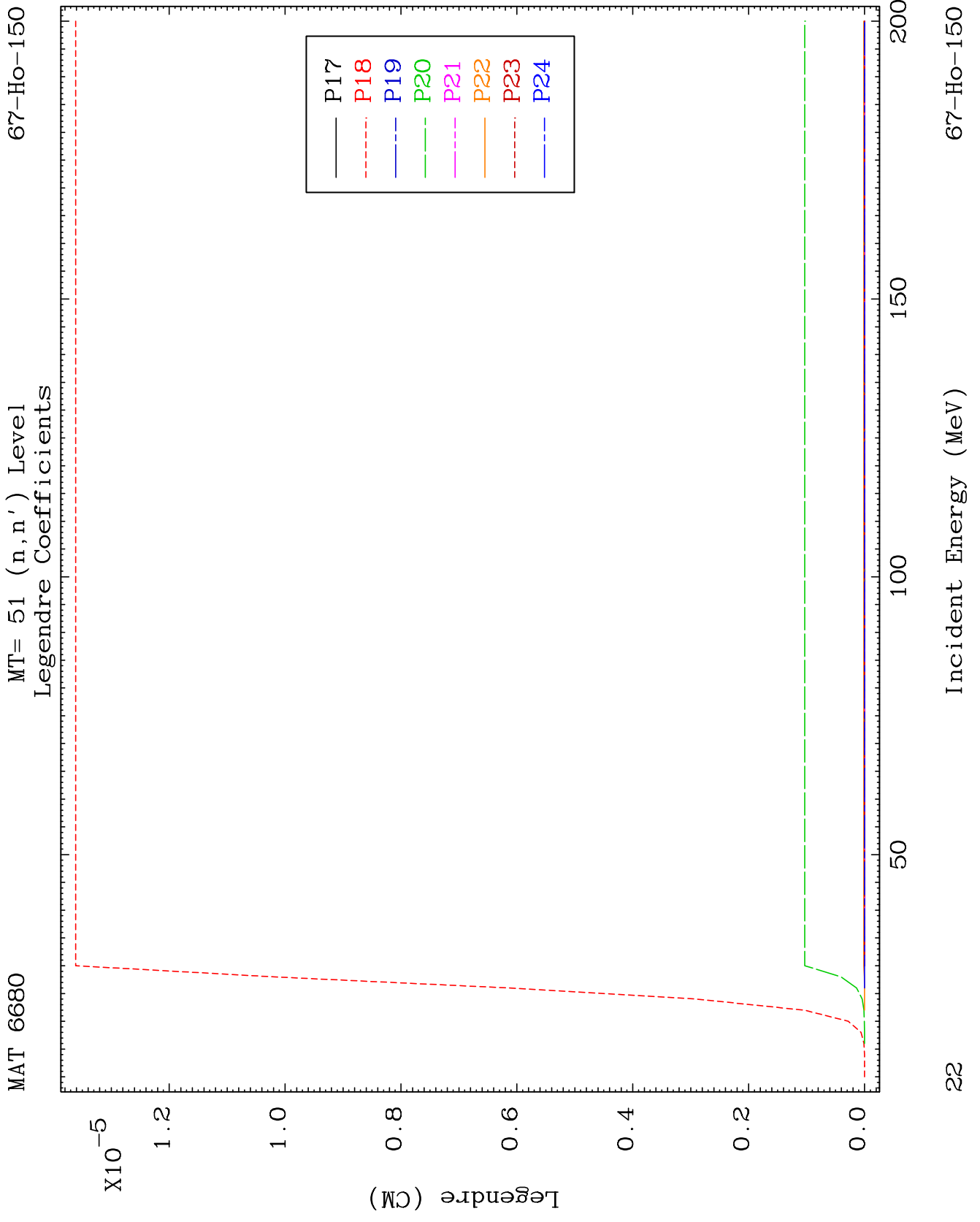
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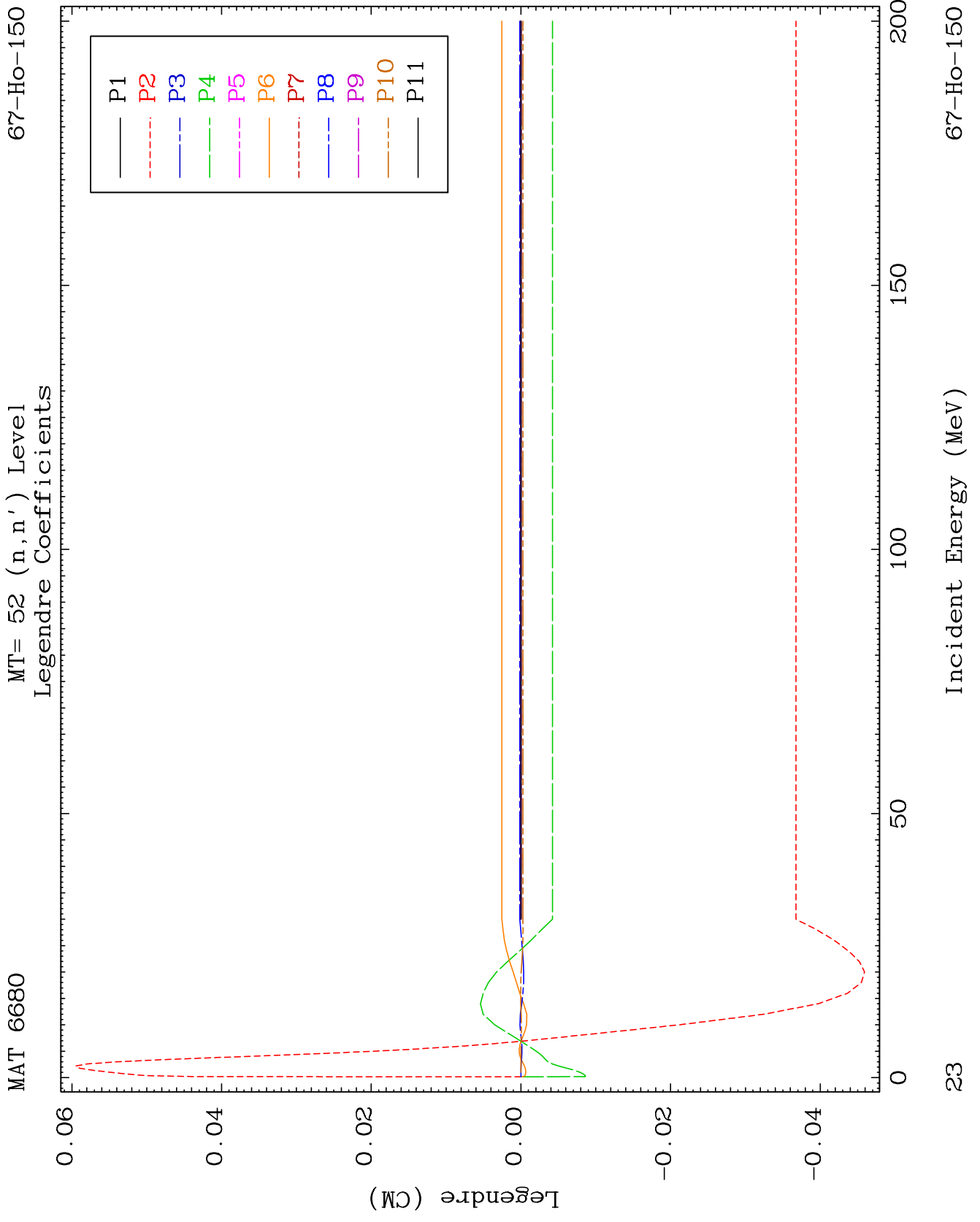
Incident Energy (MeV)

67-Ho-150







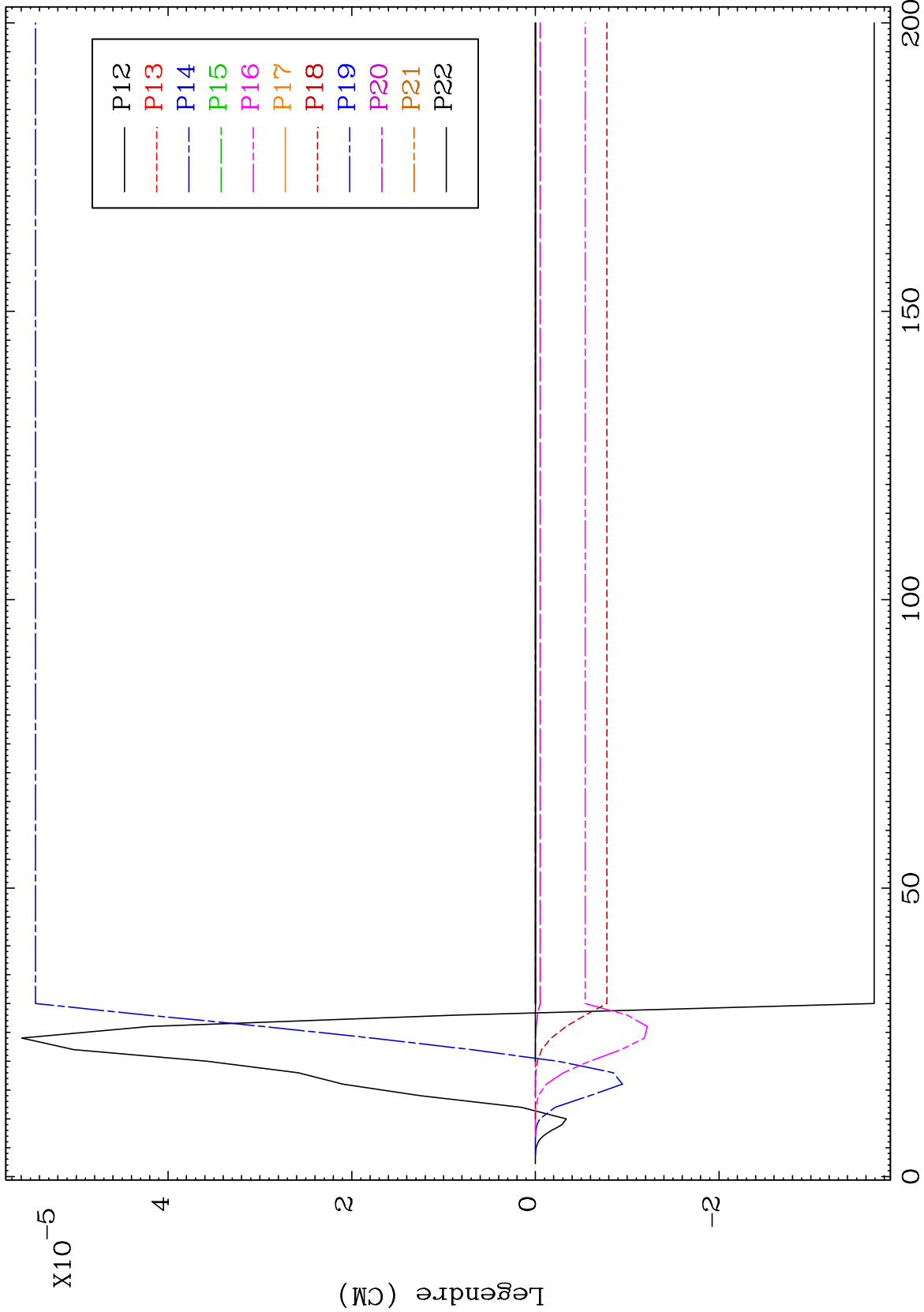




MAT 6680

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

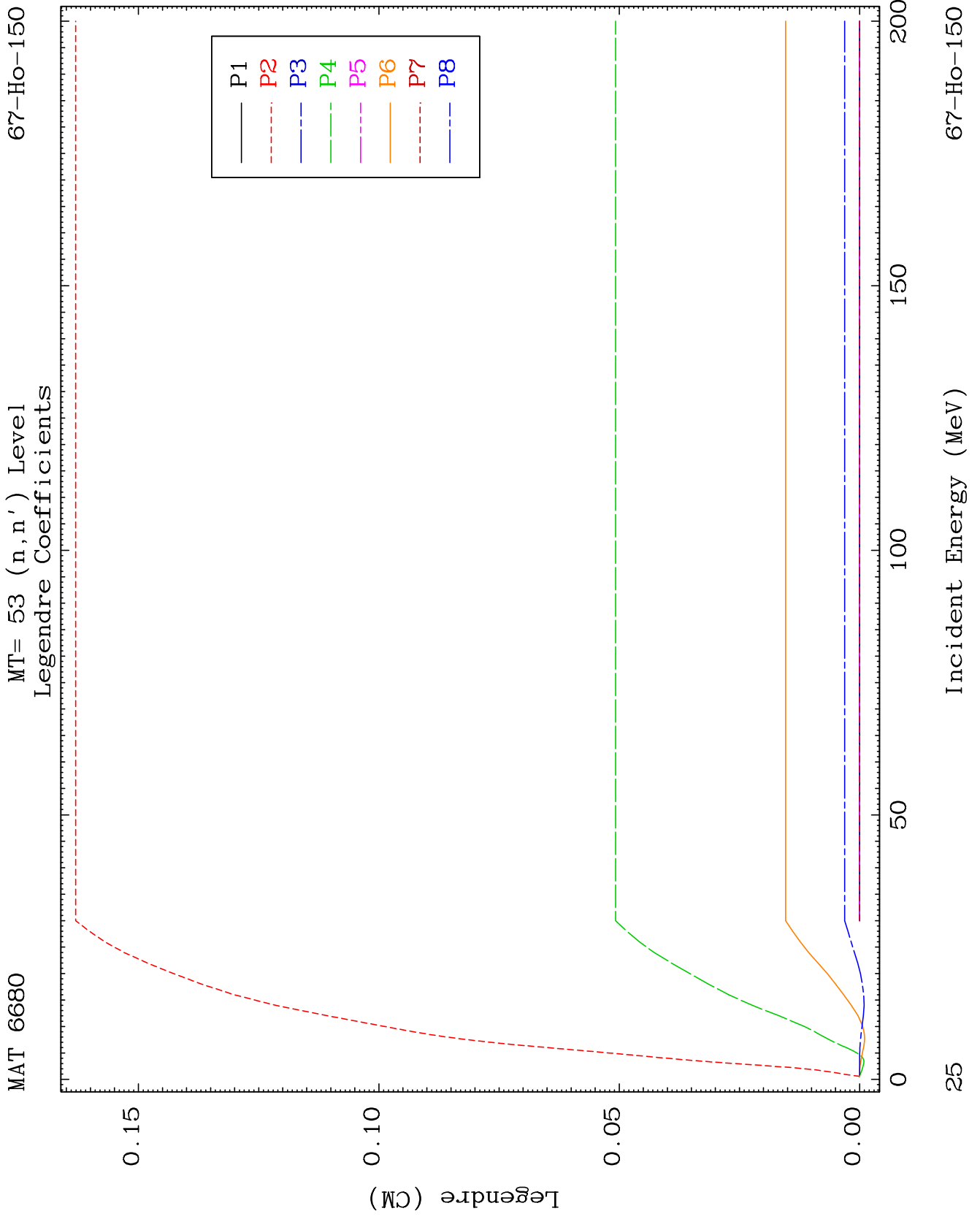
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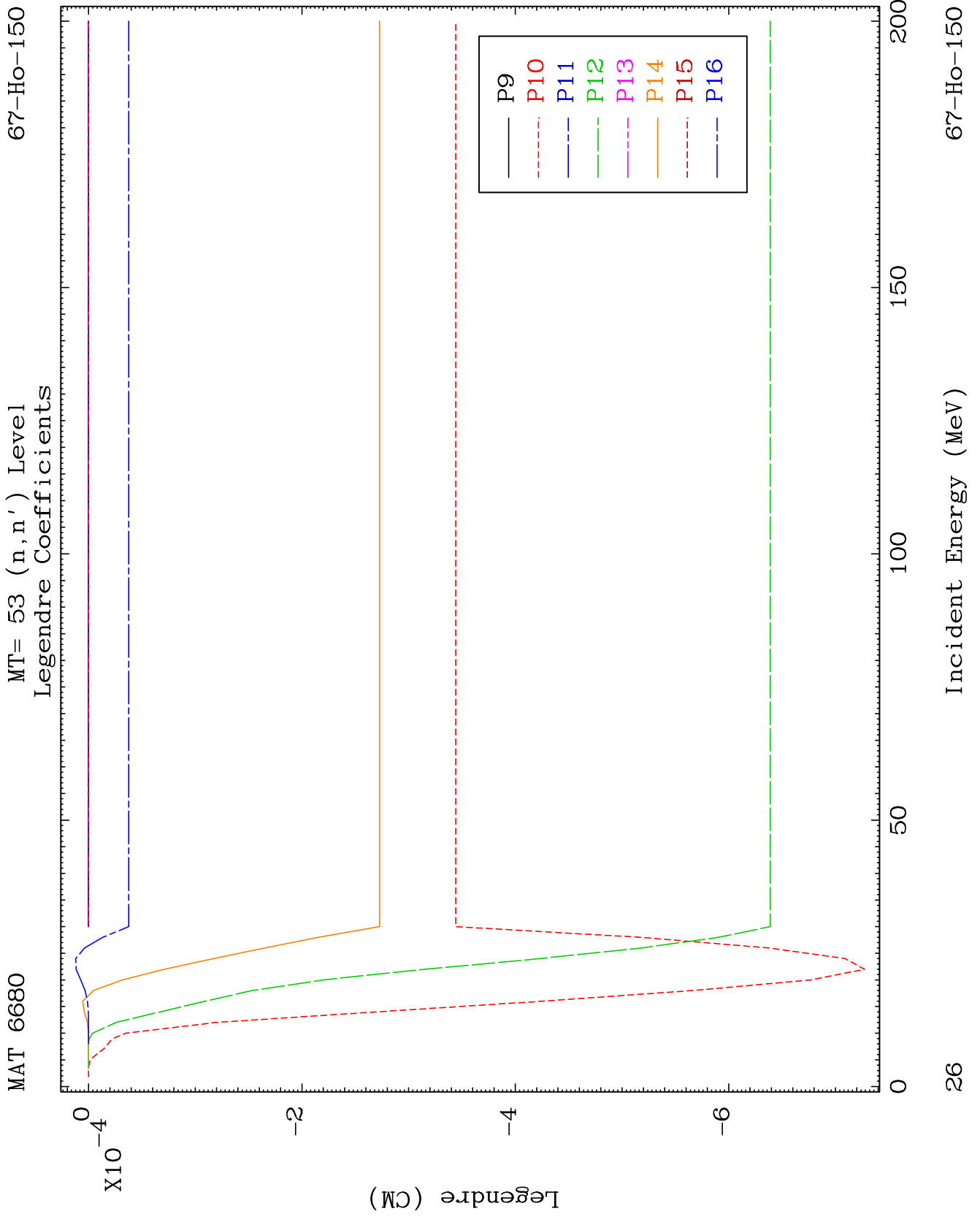


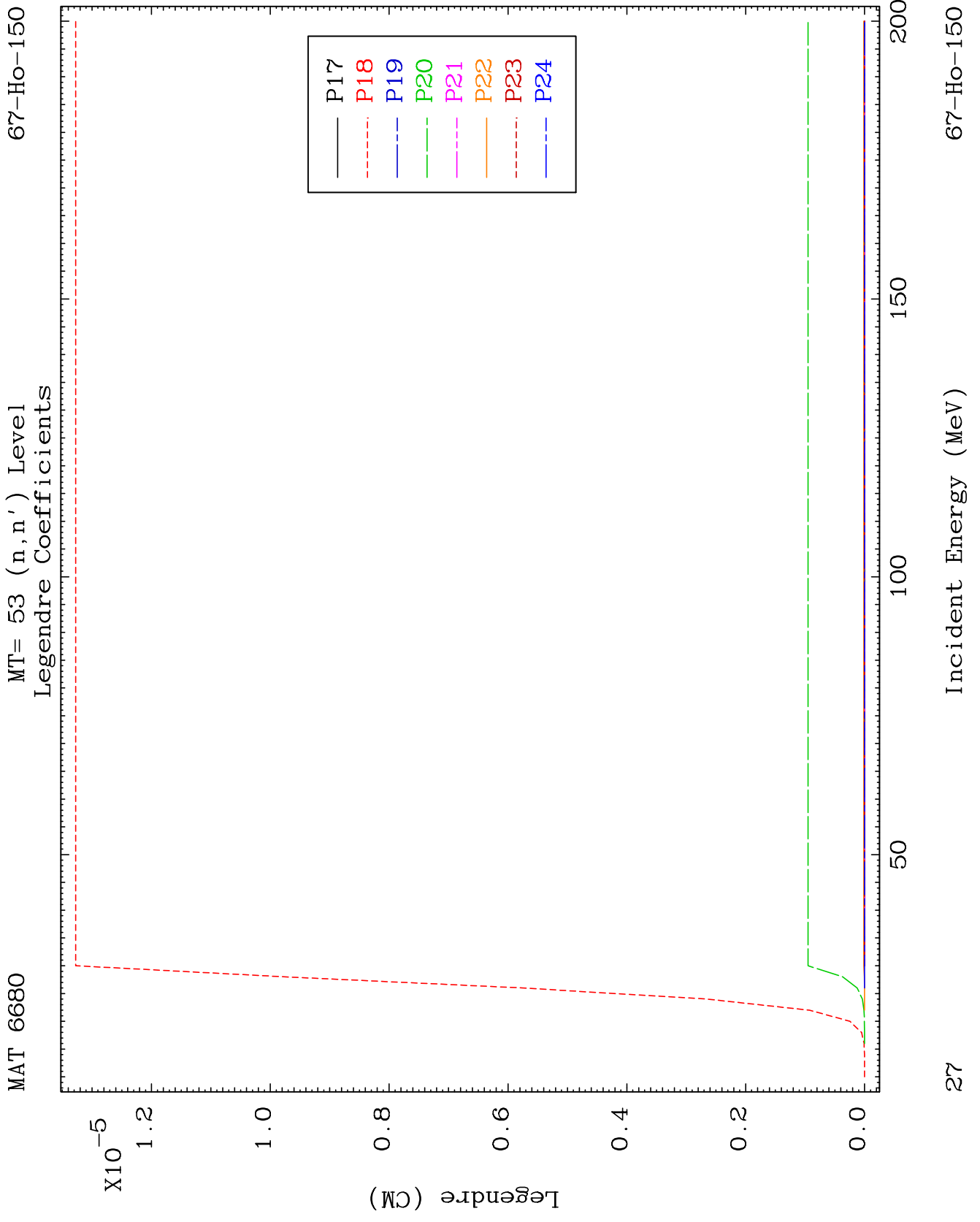
24

Incident Energy (MeV)

67-Ho-150





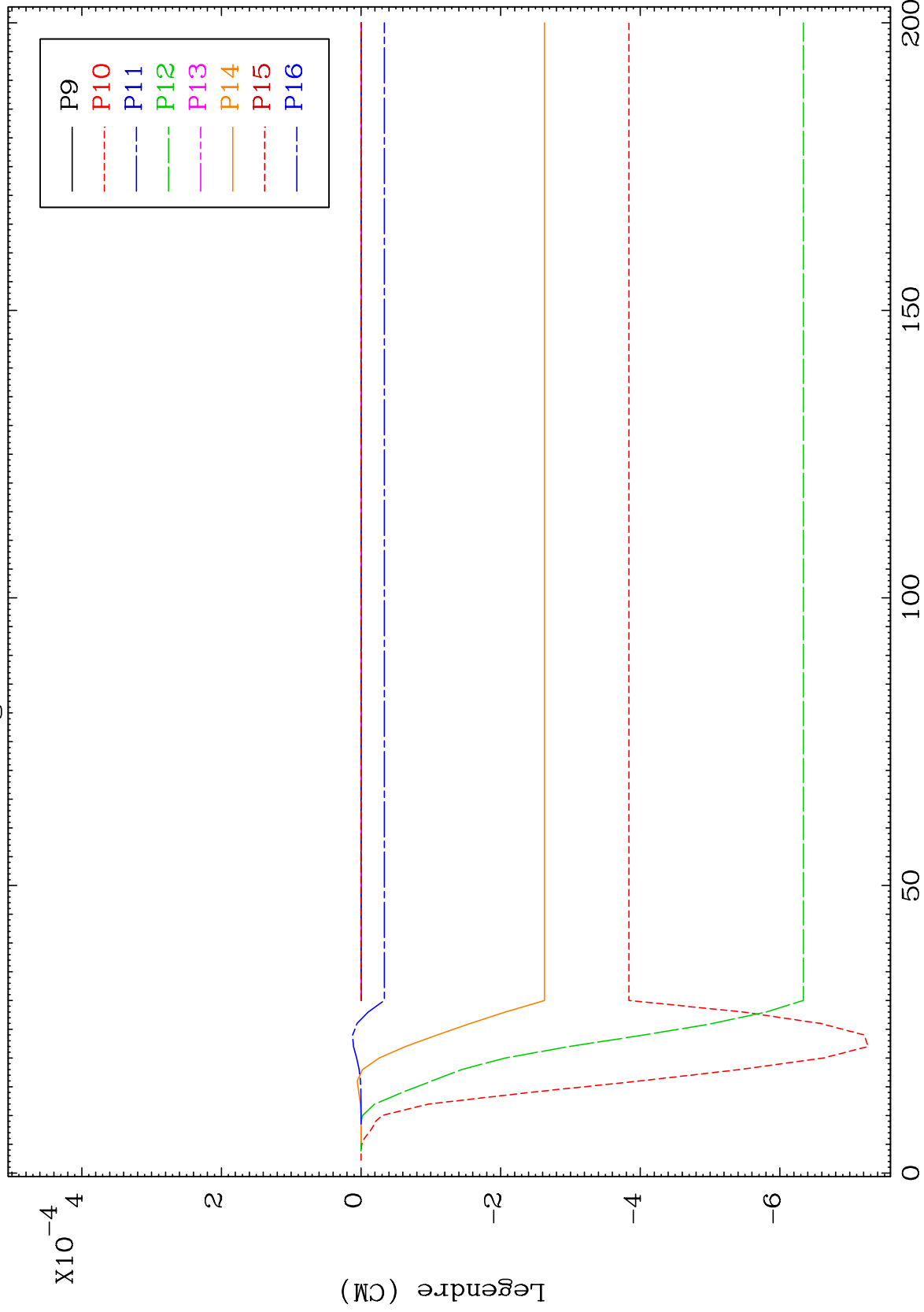




MAT 6680

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

67-Ho-150



29

Incident Energy (MeV)

67-Ho-150



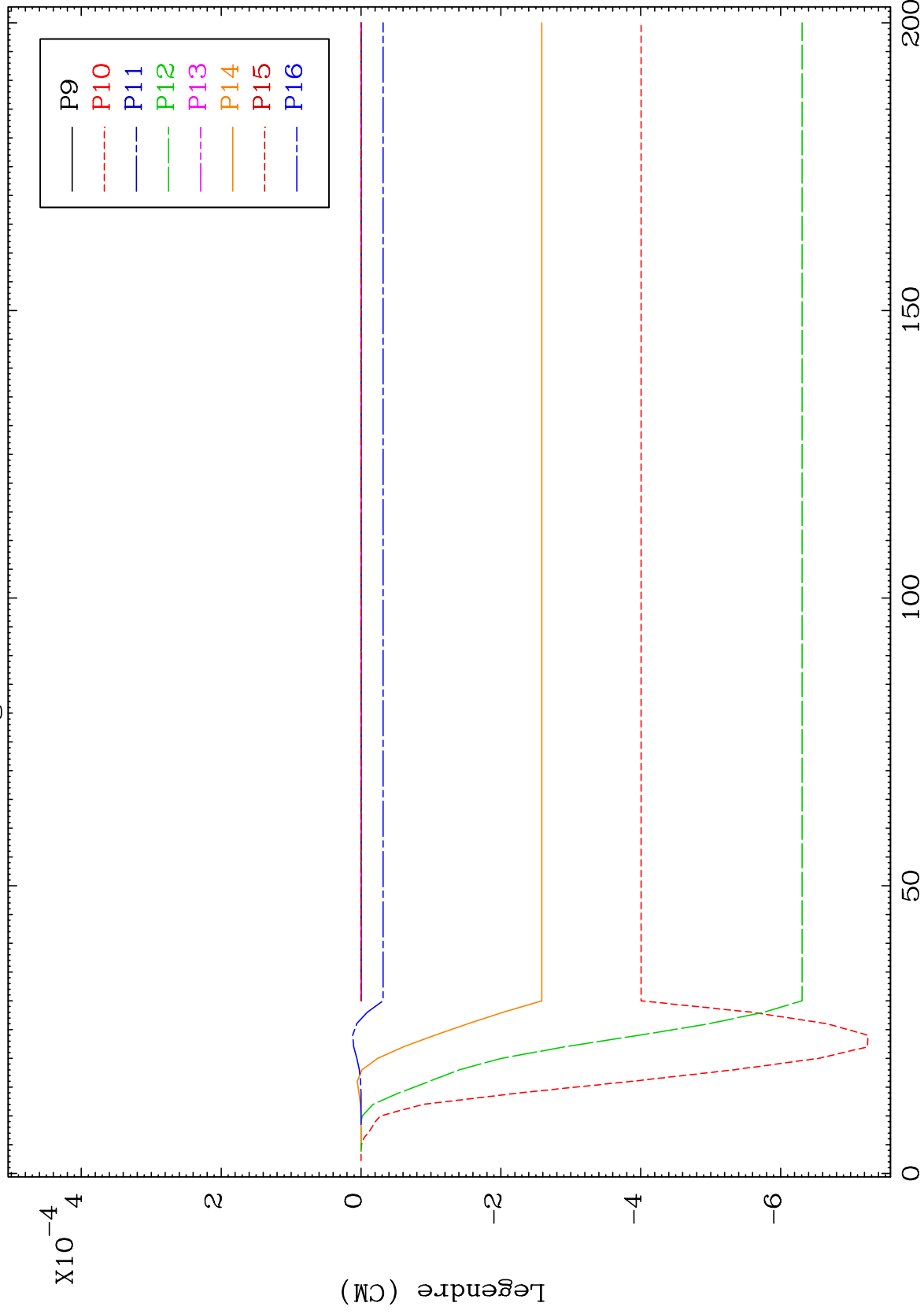




MAT 6680

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

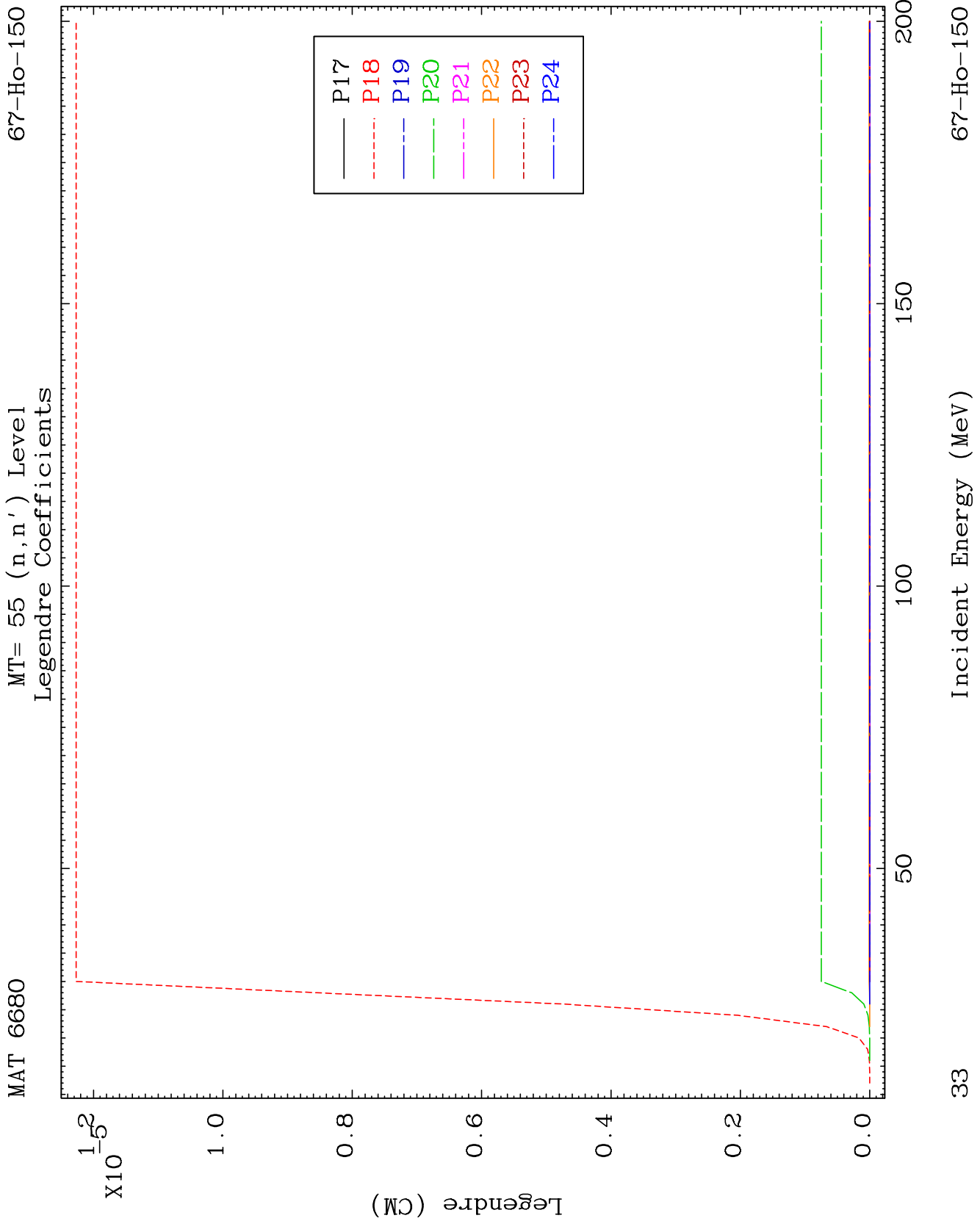
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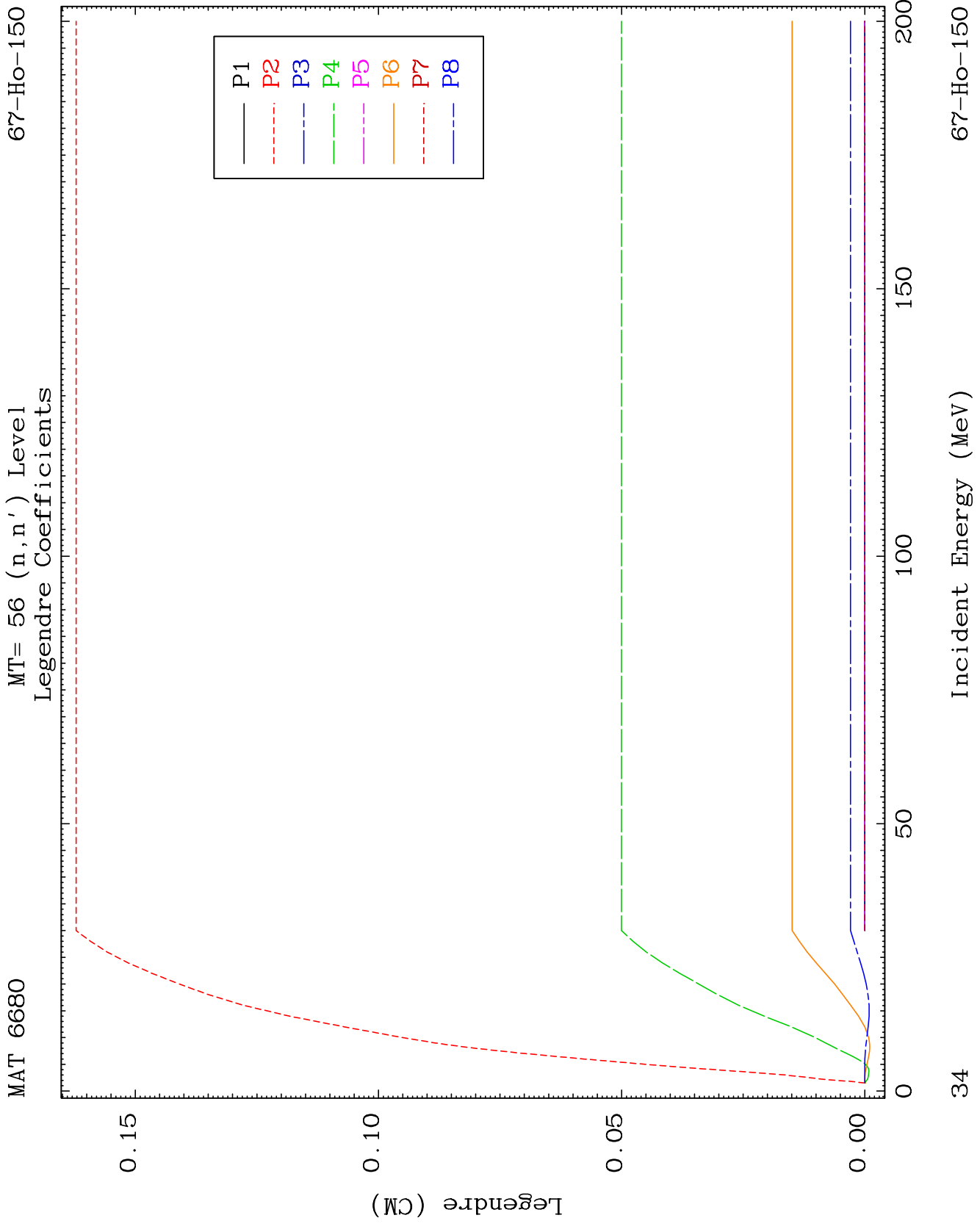


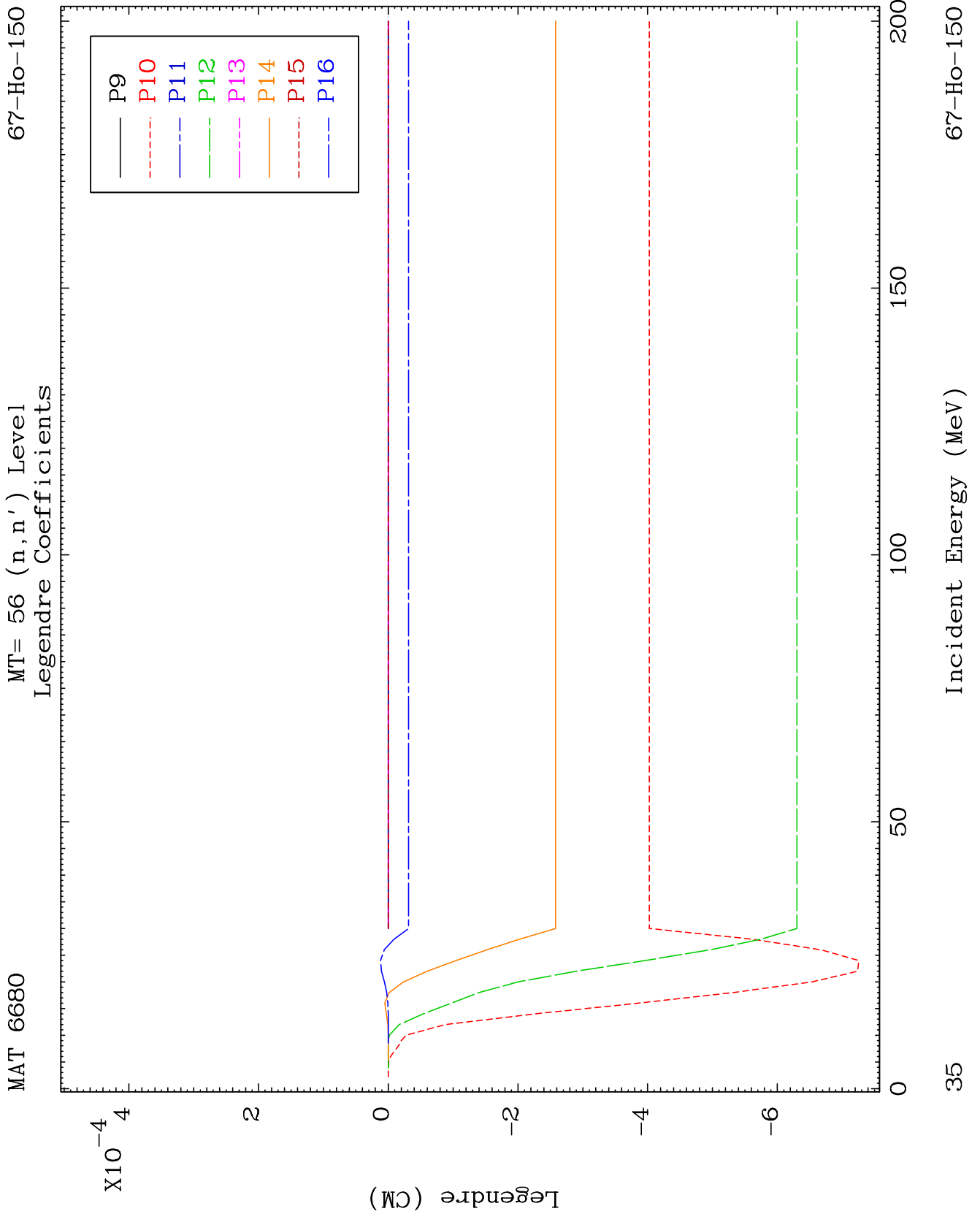
32

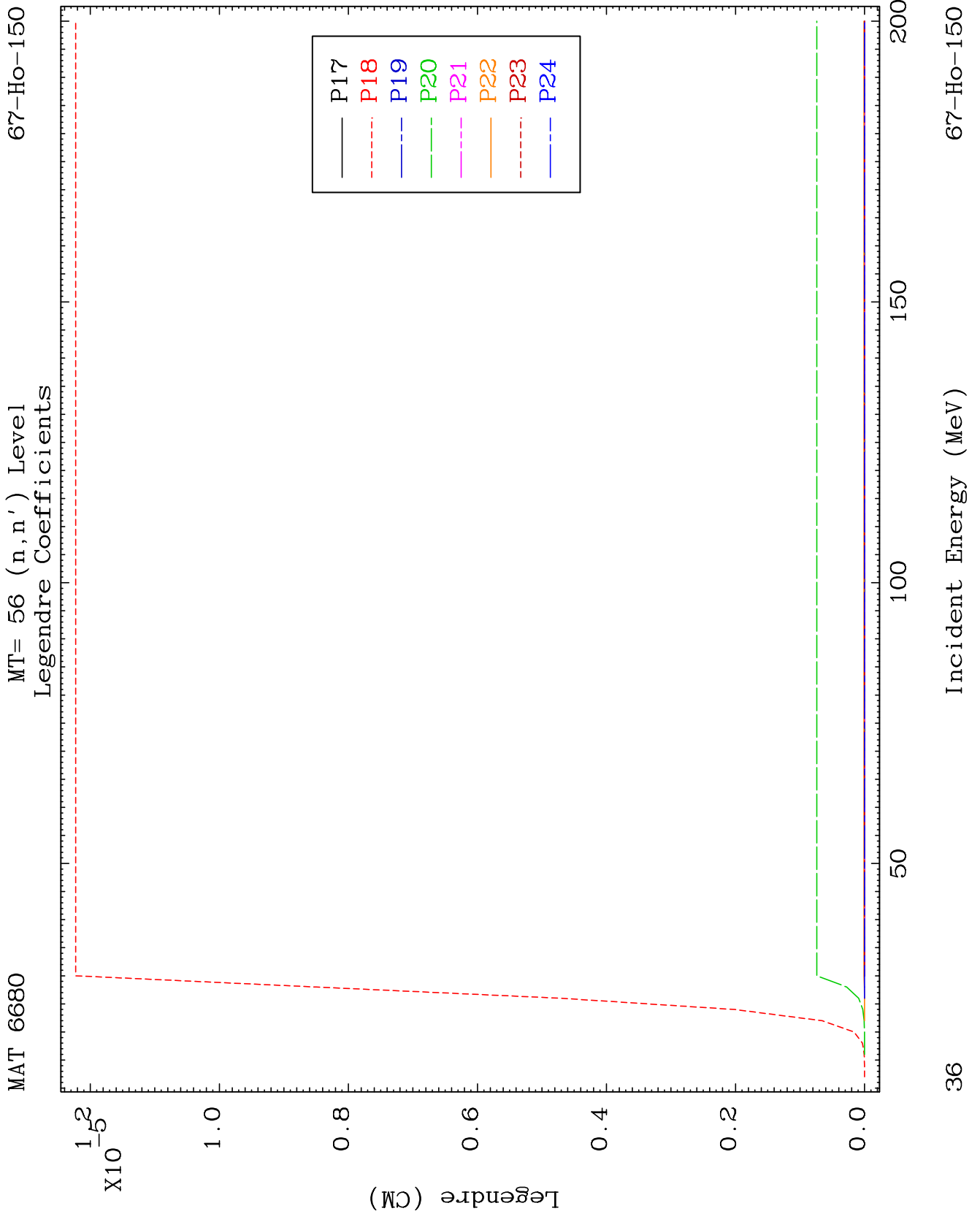
Incident Energy (MeV)

67-Ho-150





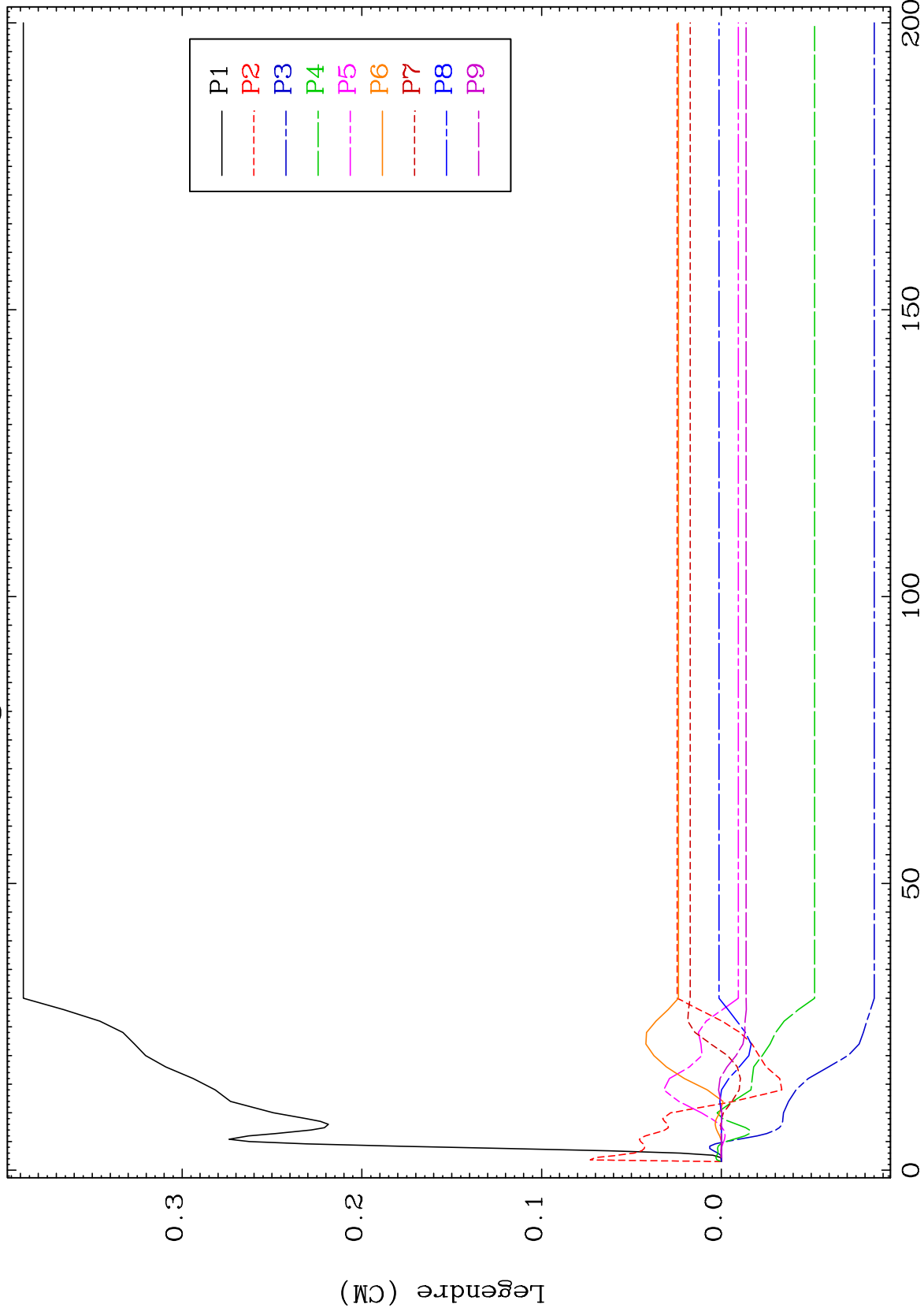




MAT 6680

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

67-Ho-150



37

Incident Energy (MeV)

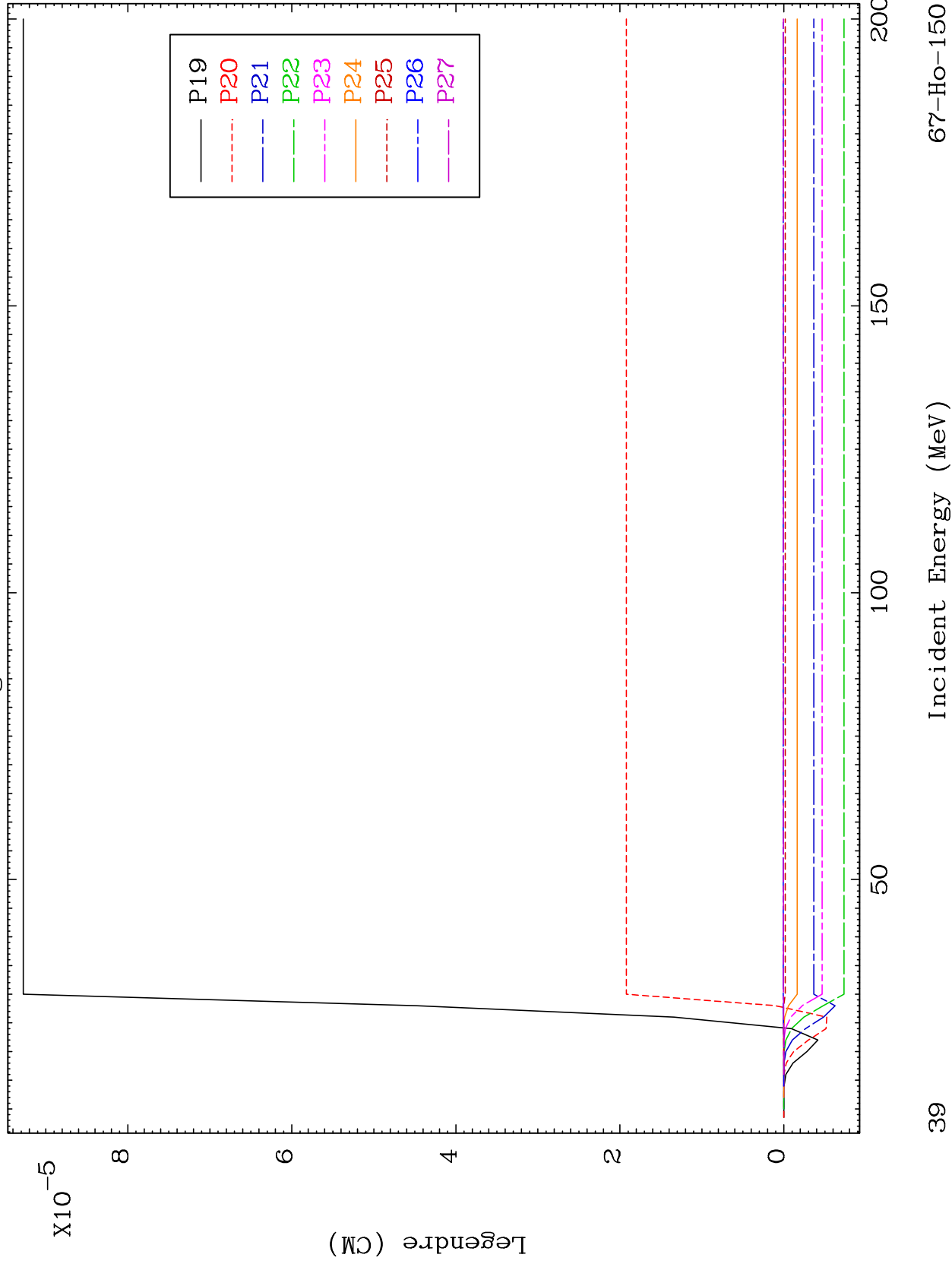
67-Ho-150



MAT 6680

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

67-Ho-150



39

Incident Energy (MeV)

67-Ho-150

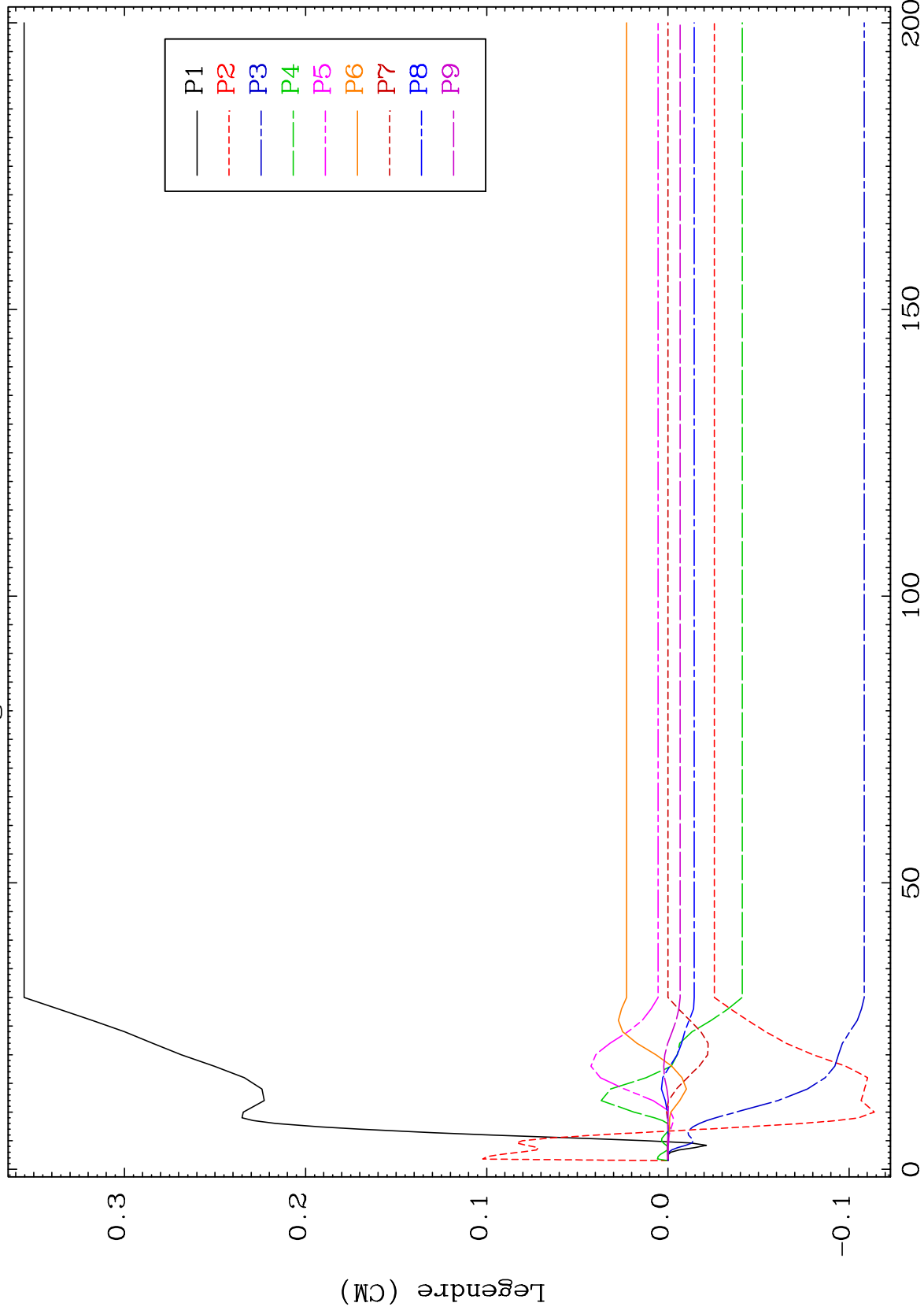




MAT 6680

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

67-Ho-150

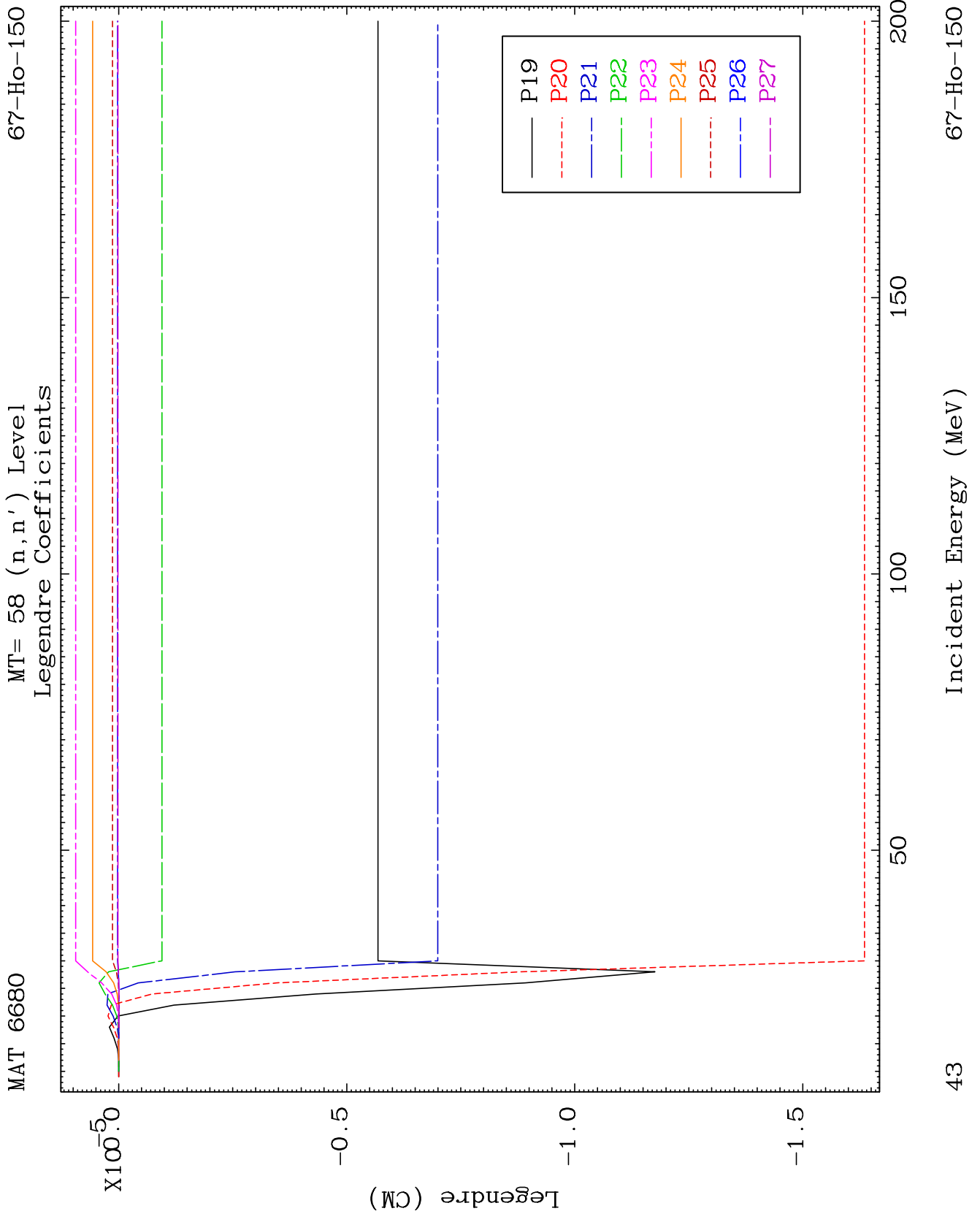


41

Incident Energy (MeV)

67-Ho-150

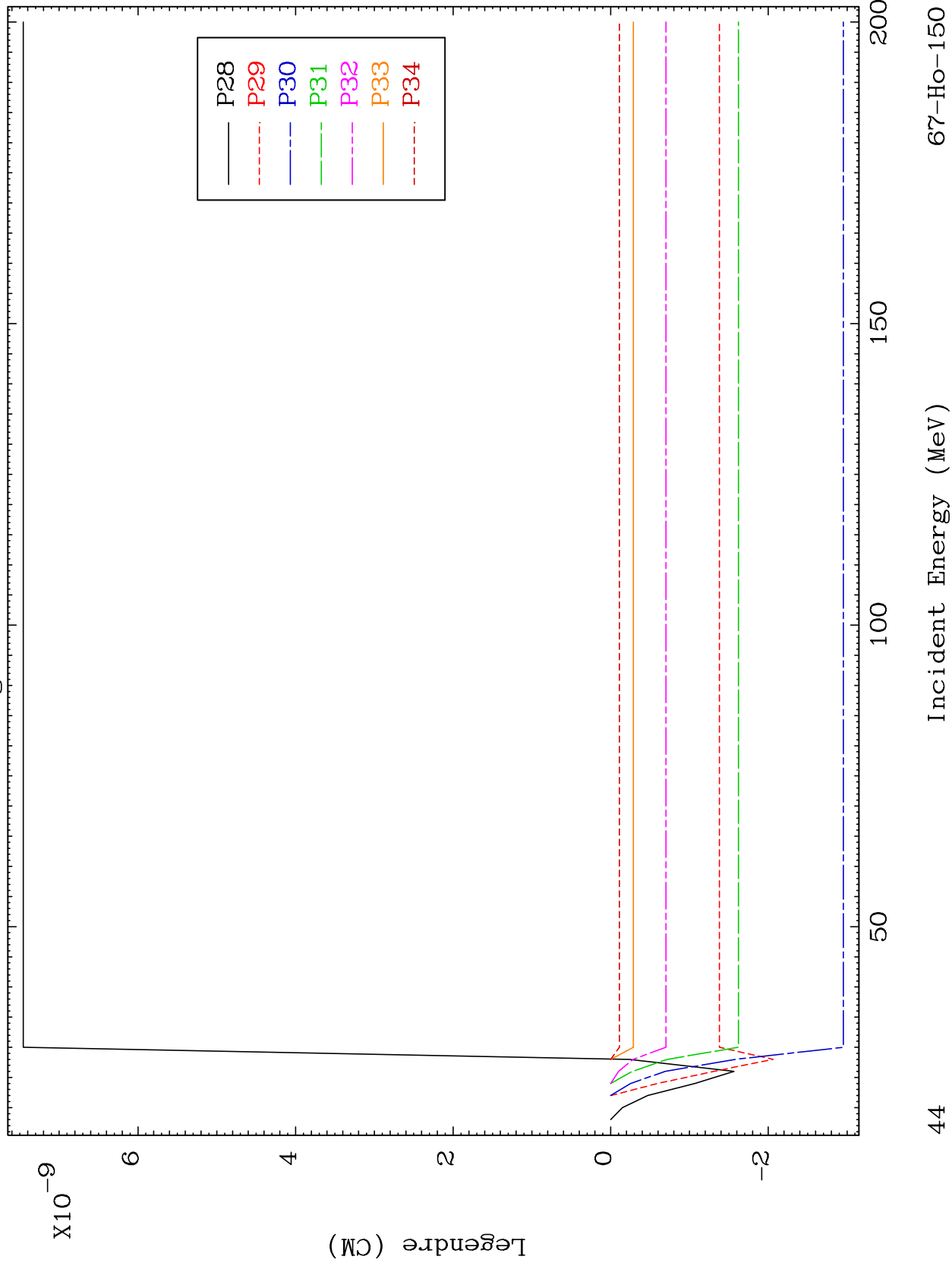




MAT 6680

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

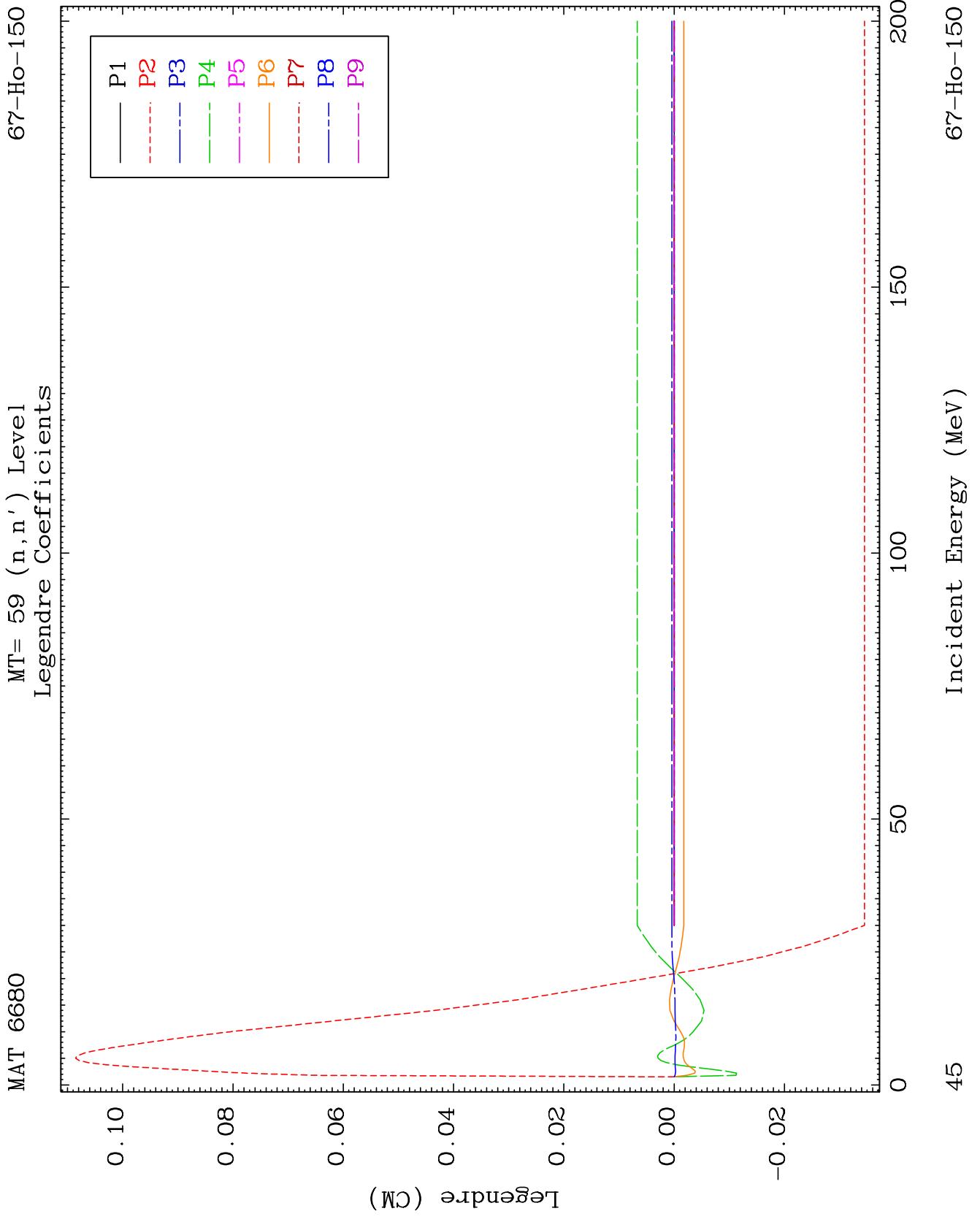
67-Ho-150



44

Incident Energy (MeV)

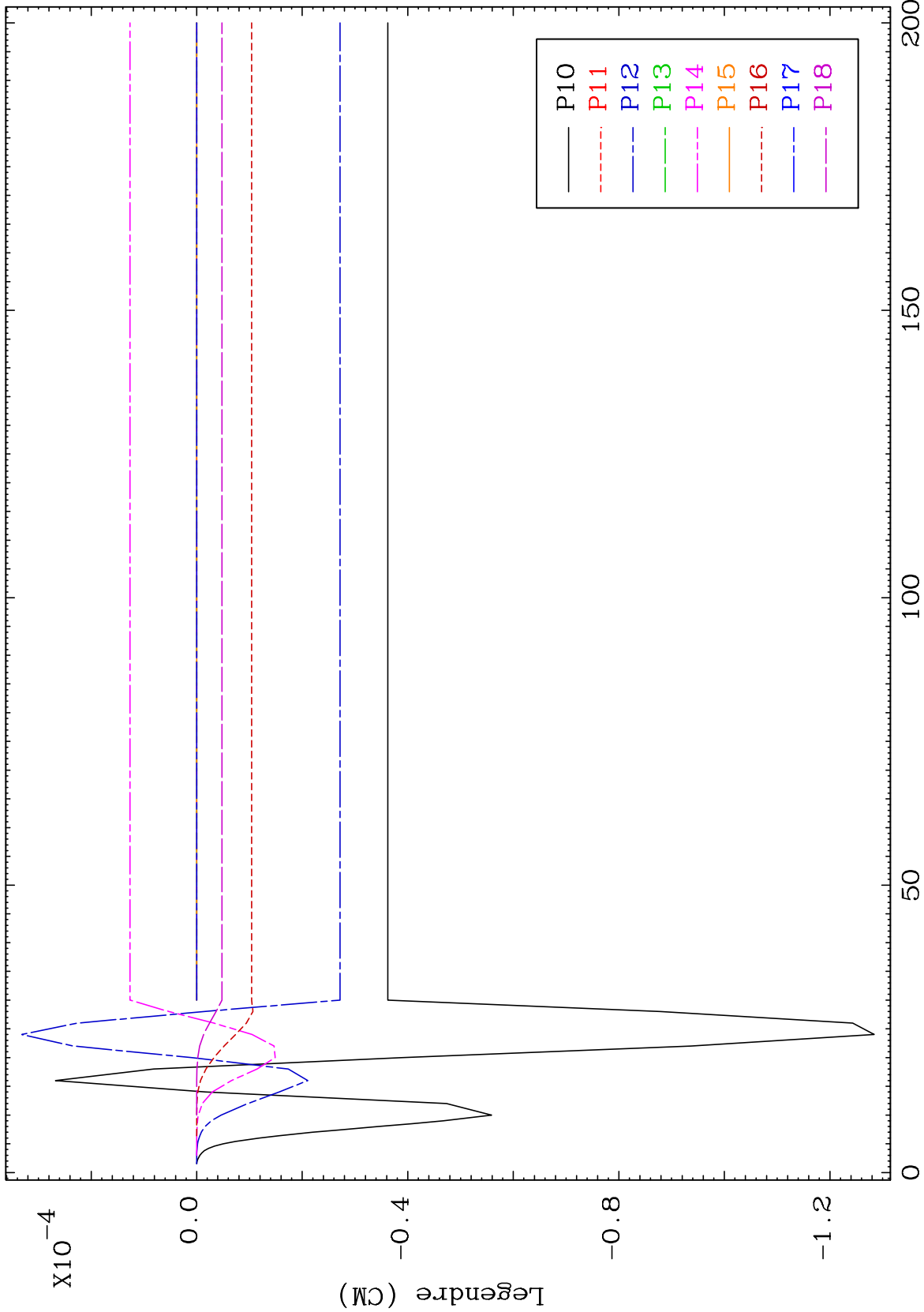
67-Ho-150



MAT 6680

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

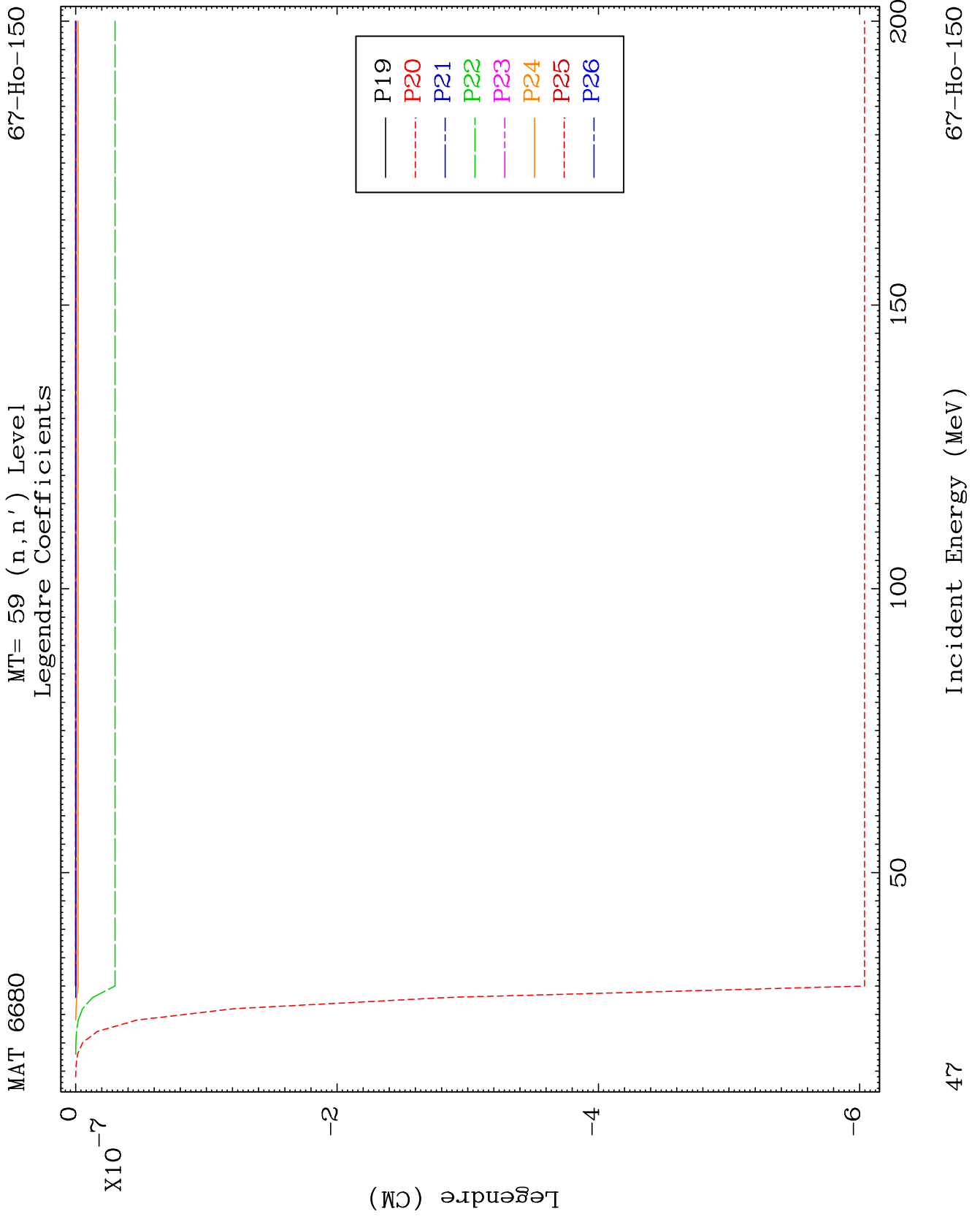
67-Ho-150



46

67-Ho-150

67-Ho-150



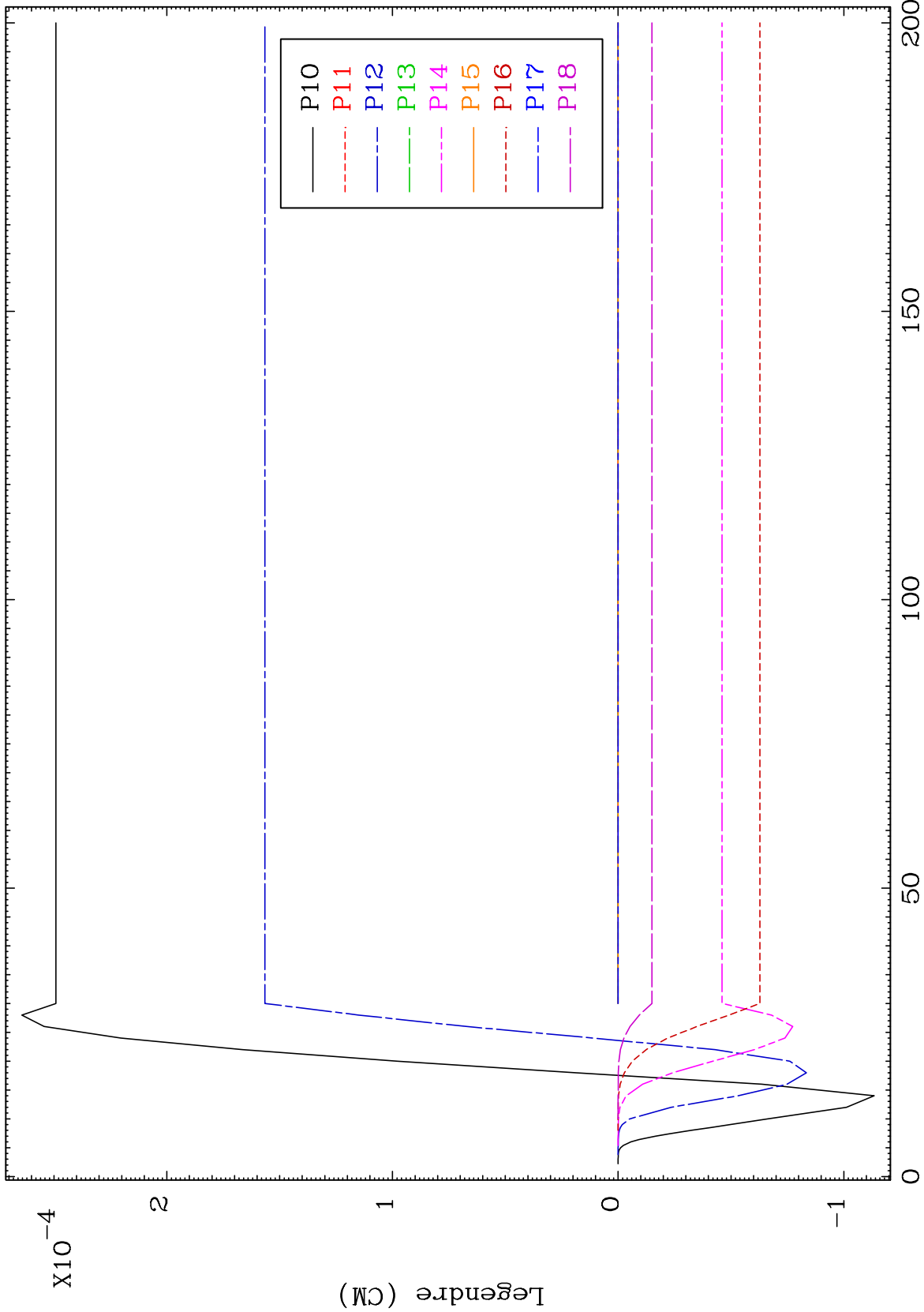




MAT 6680

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

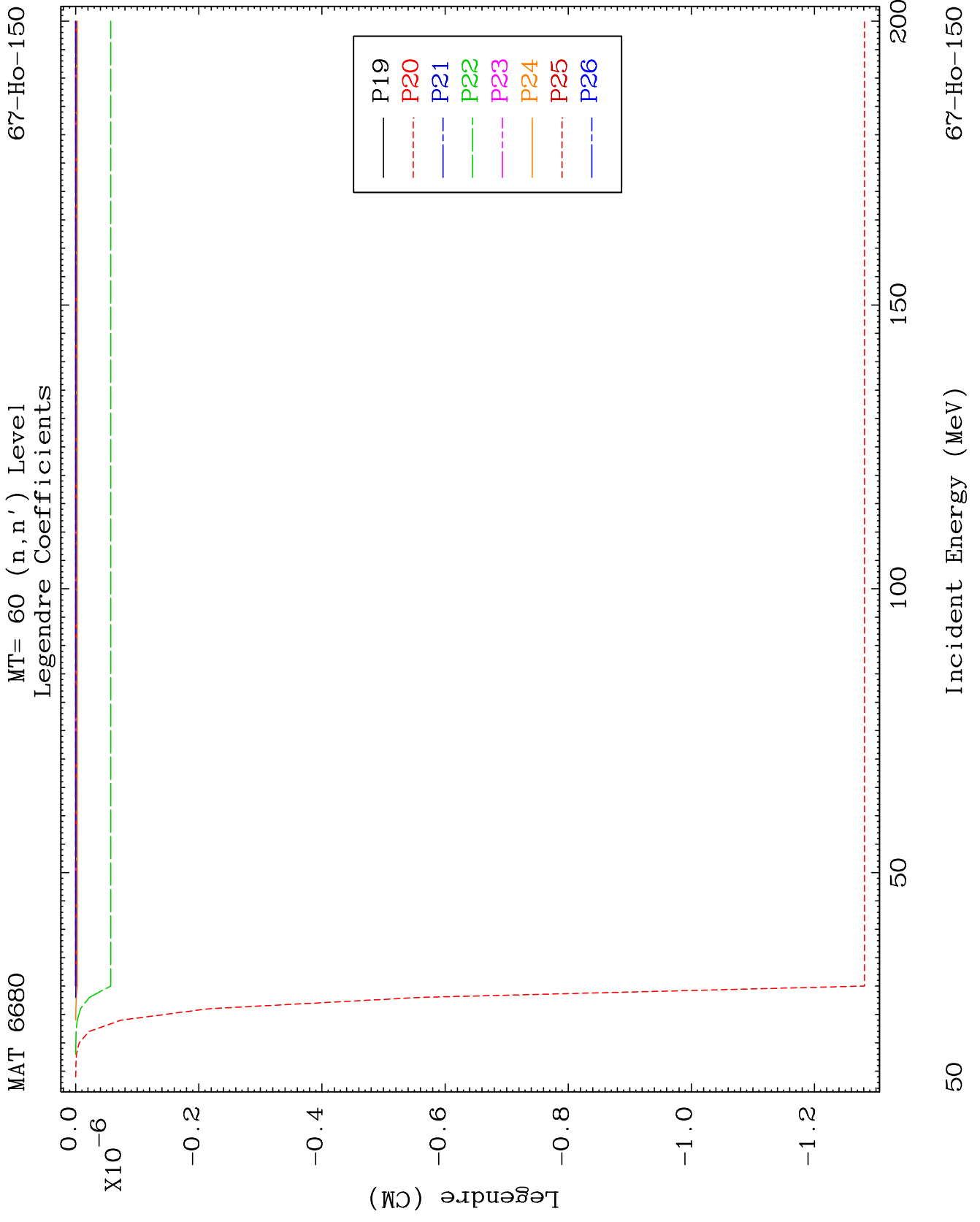
67-Ho-150



49

Incident Energy (MeV)

67-Ho-150

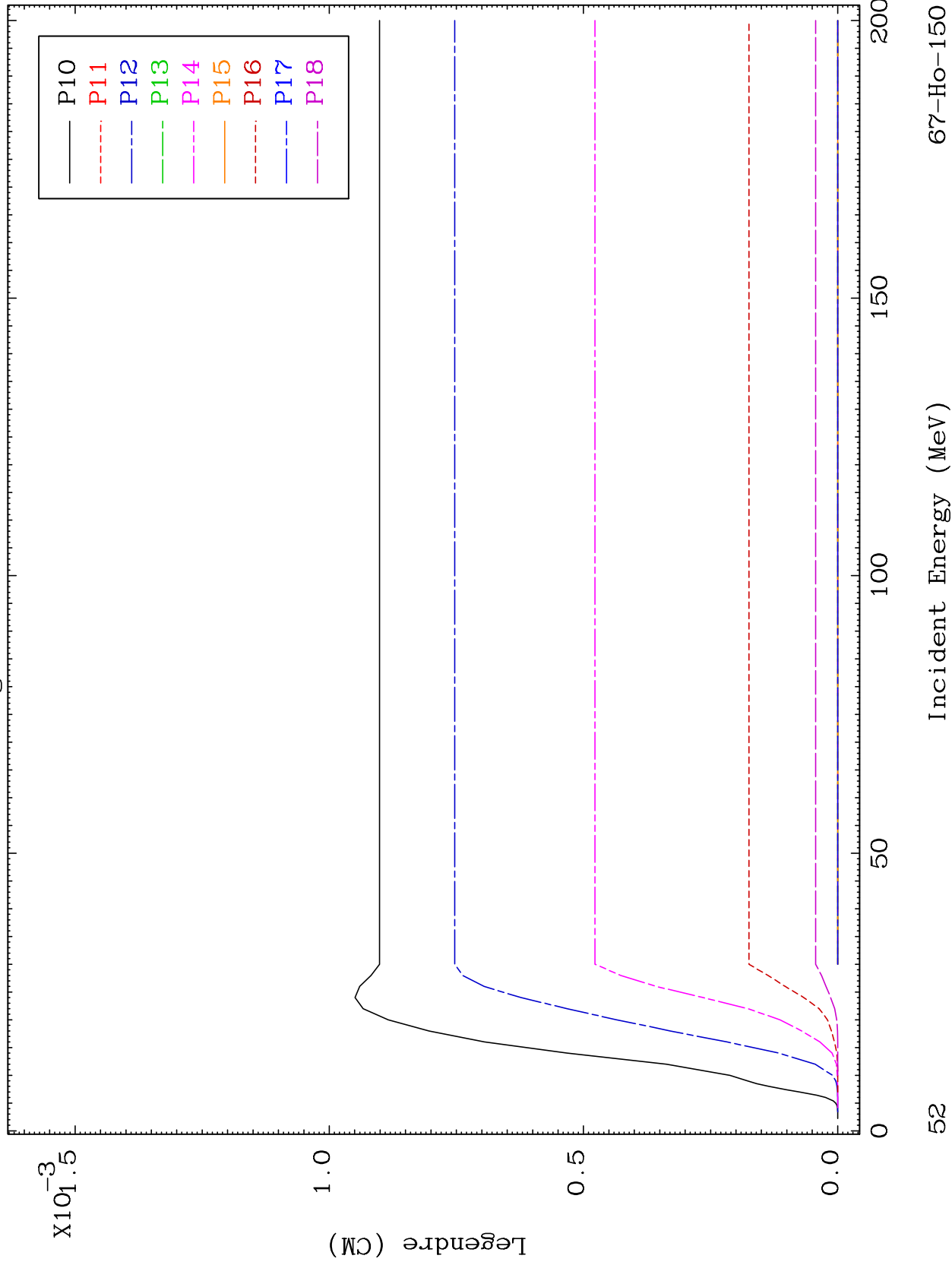


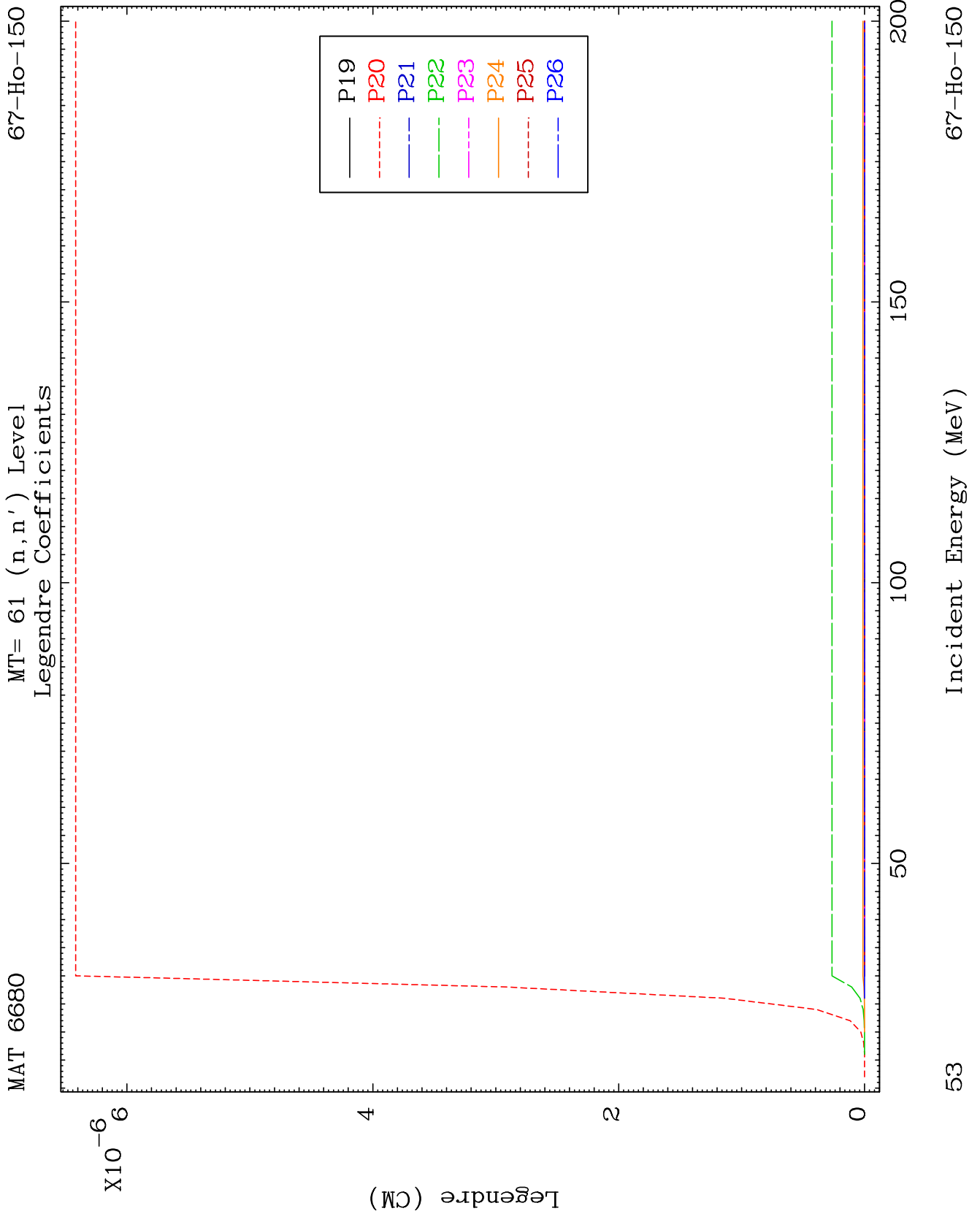


MAT 6680

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

67-Ho-150

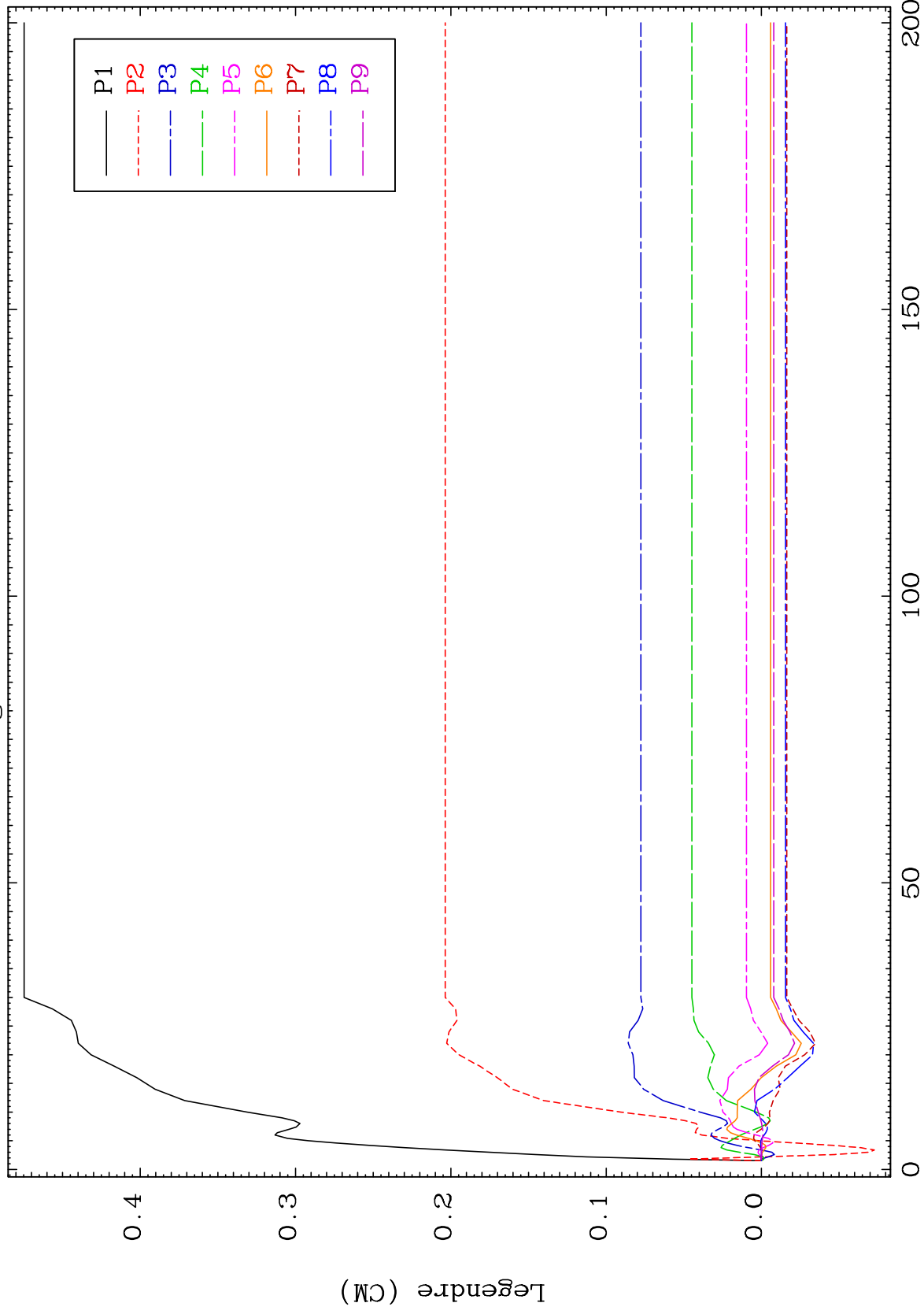




MAT 6680

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

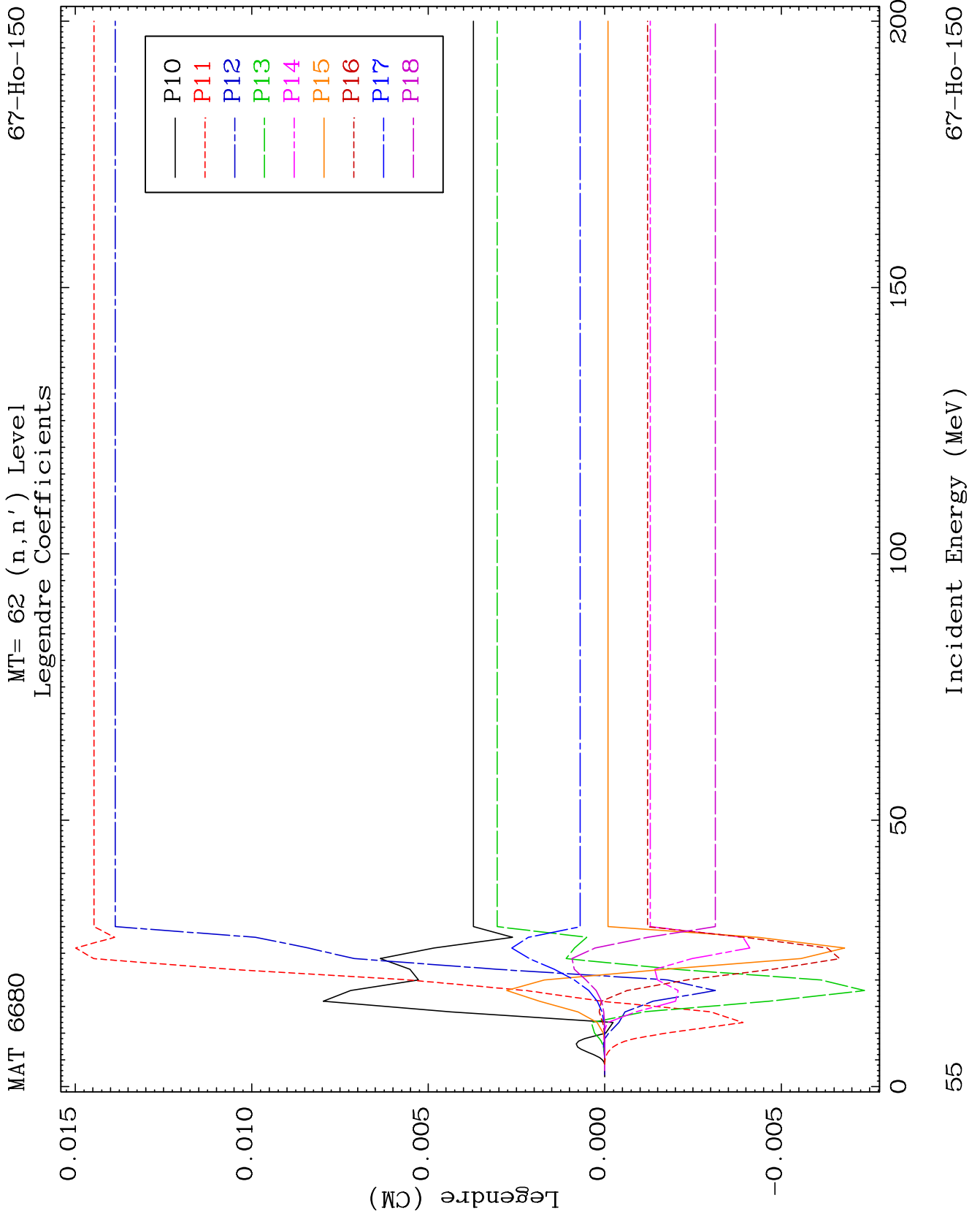
67-Ho-150



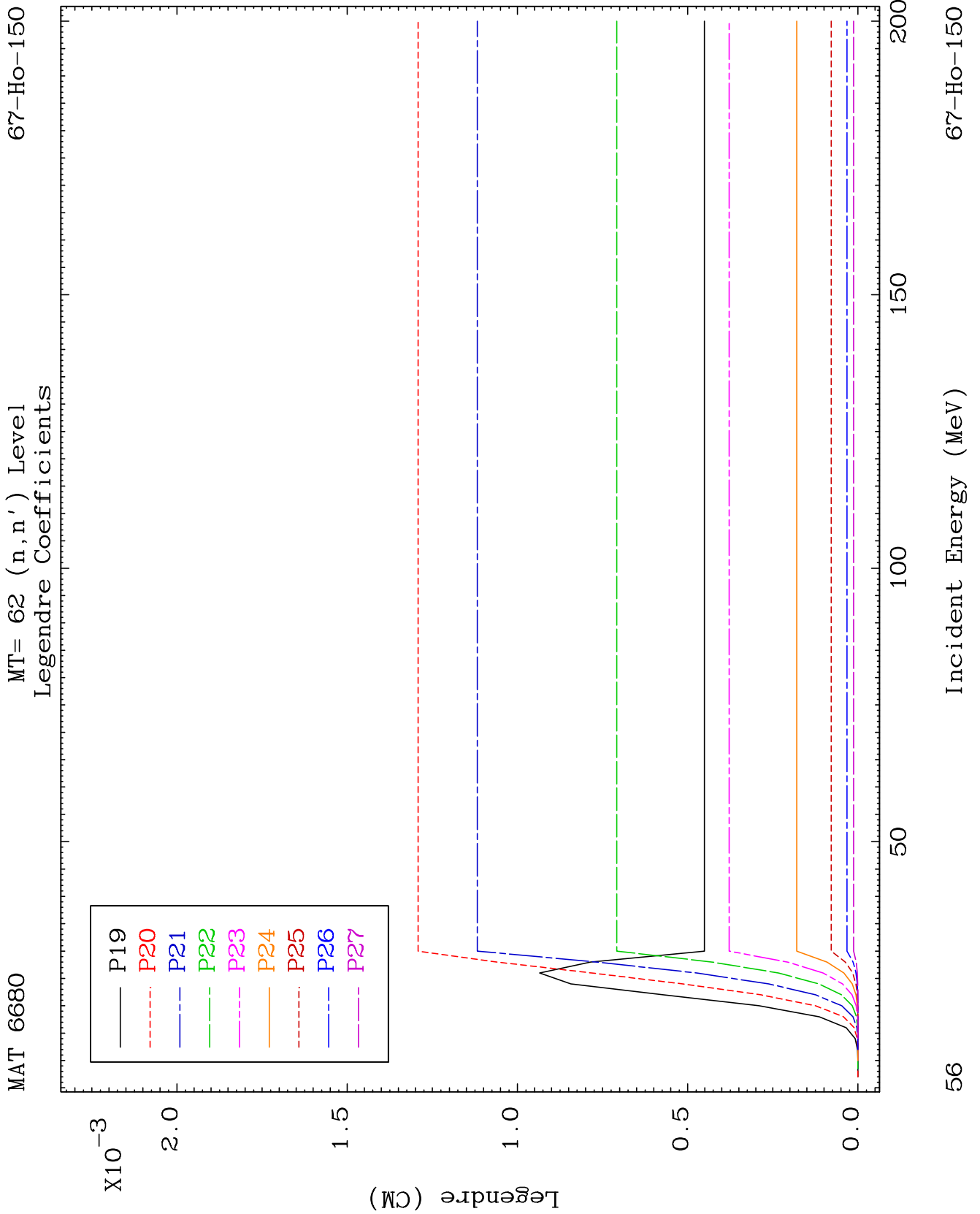
54

Incident Energy (MeV)

67-Ho-150



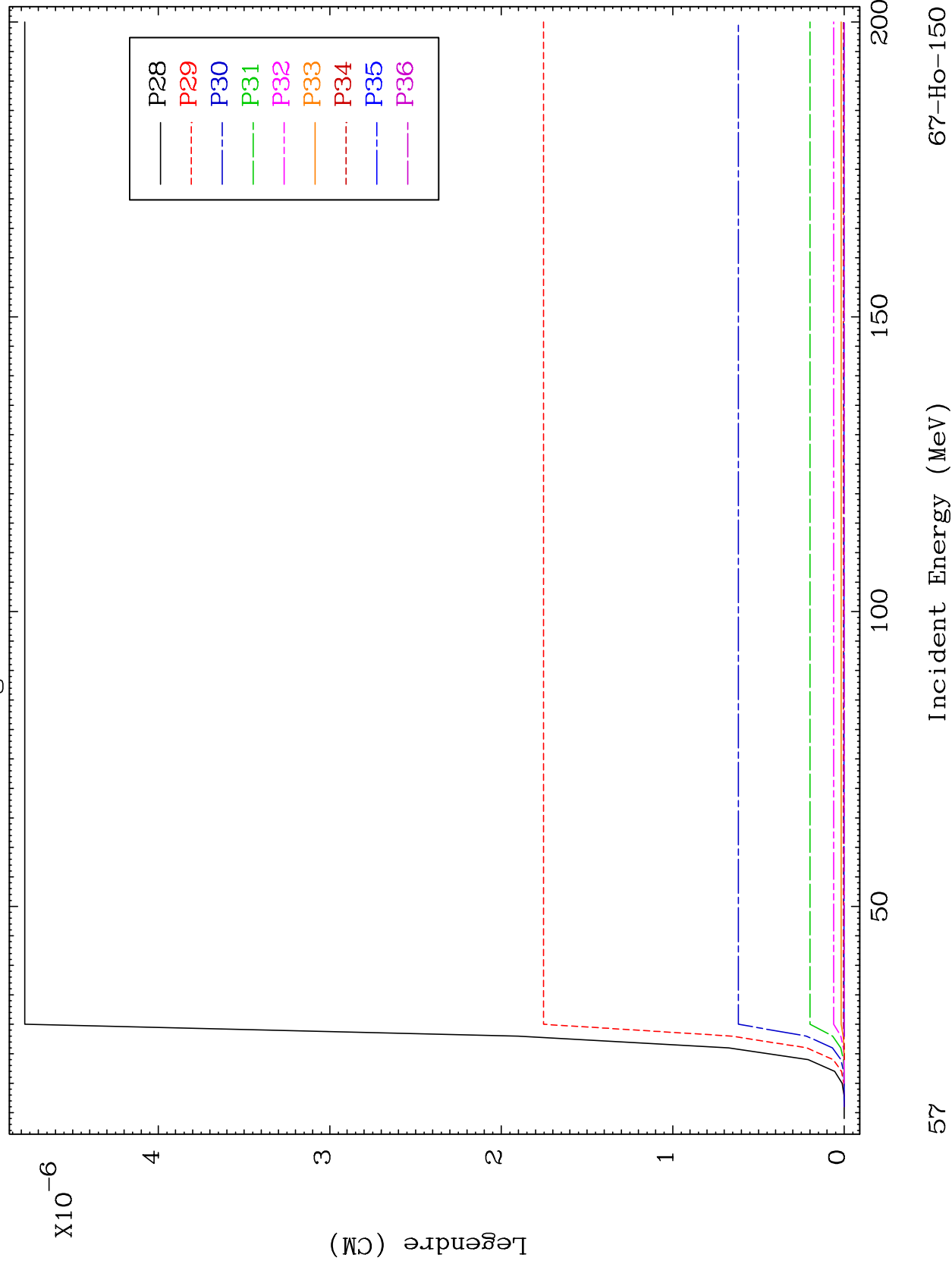




MAT 6680

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

67-Ho-150



57

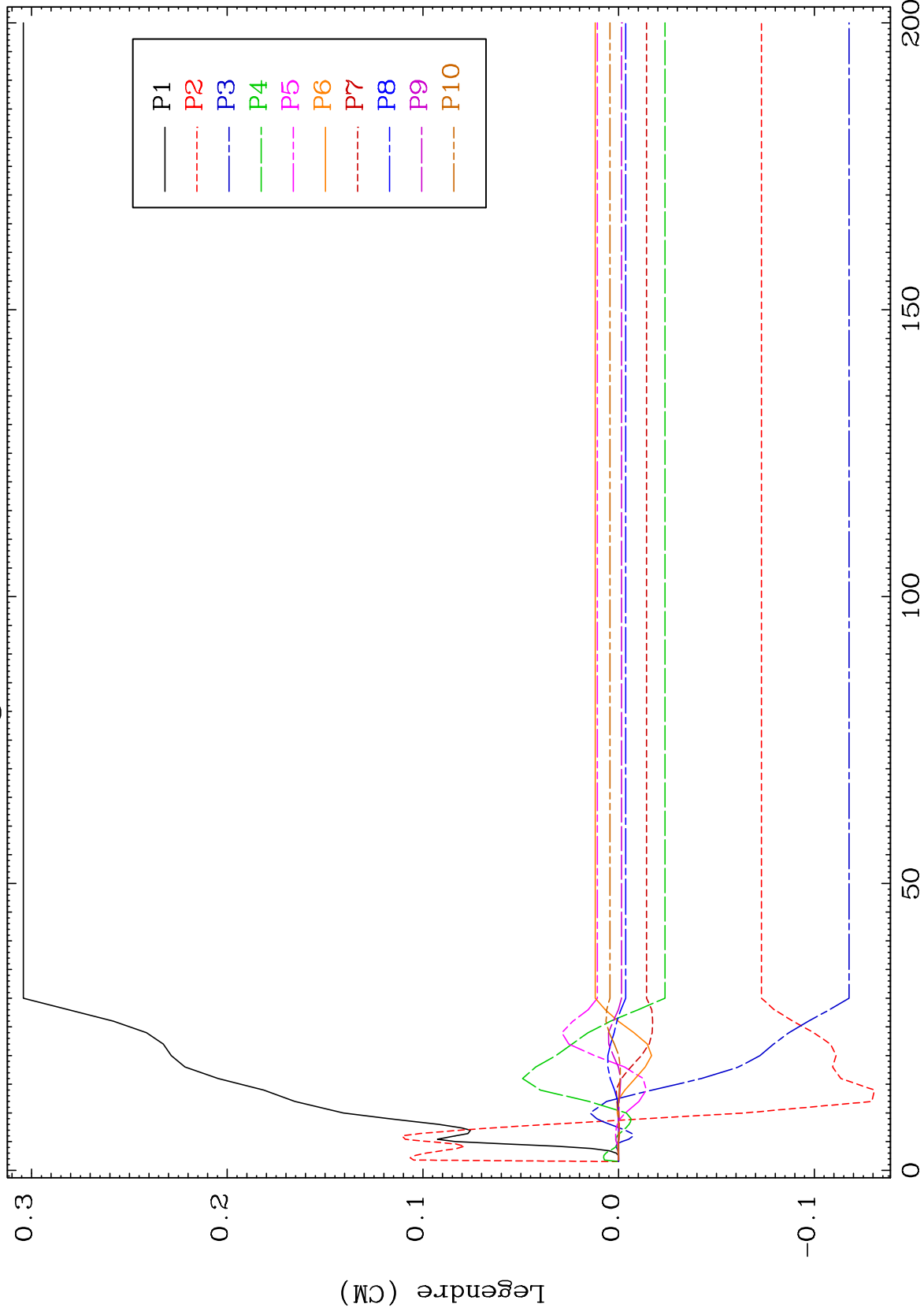
Incident Energy (MeV)

67-Ho-150

MAT 6680

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

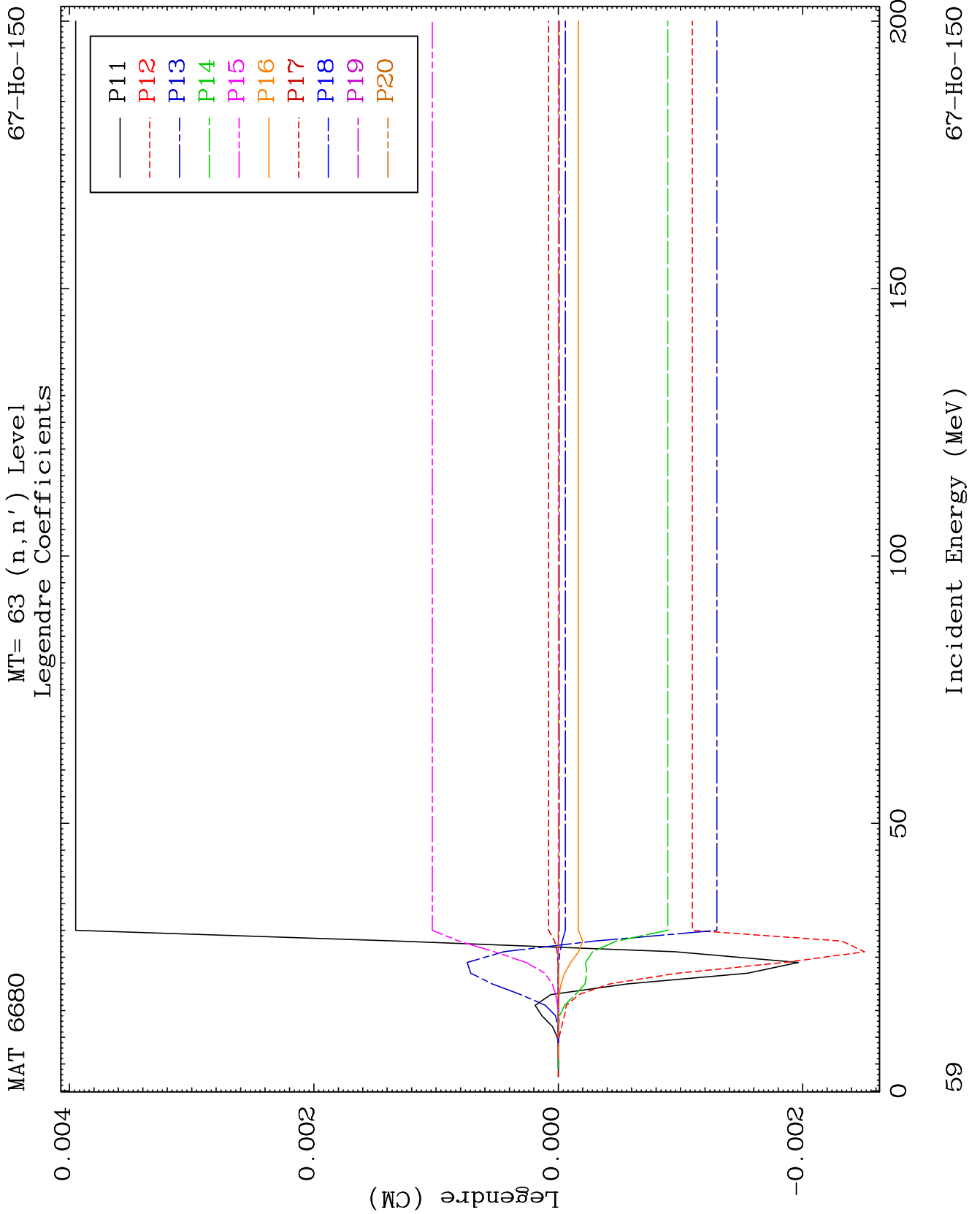
67-Ho-150



58

Incident Energy (MeV)

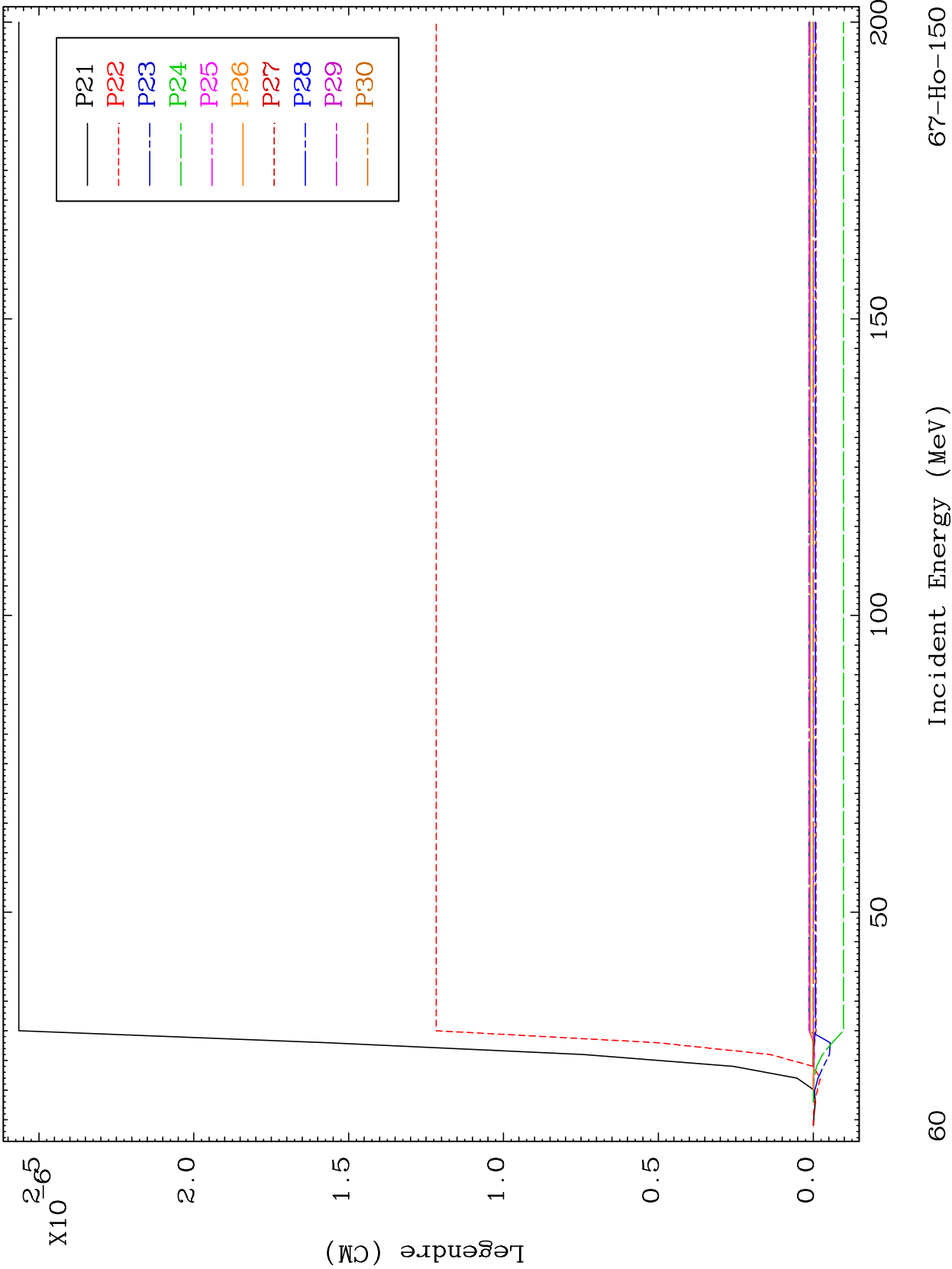
67-Ho-150



MAT 6680

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

67-Ho-150



60

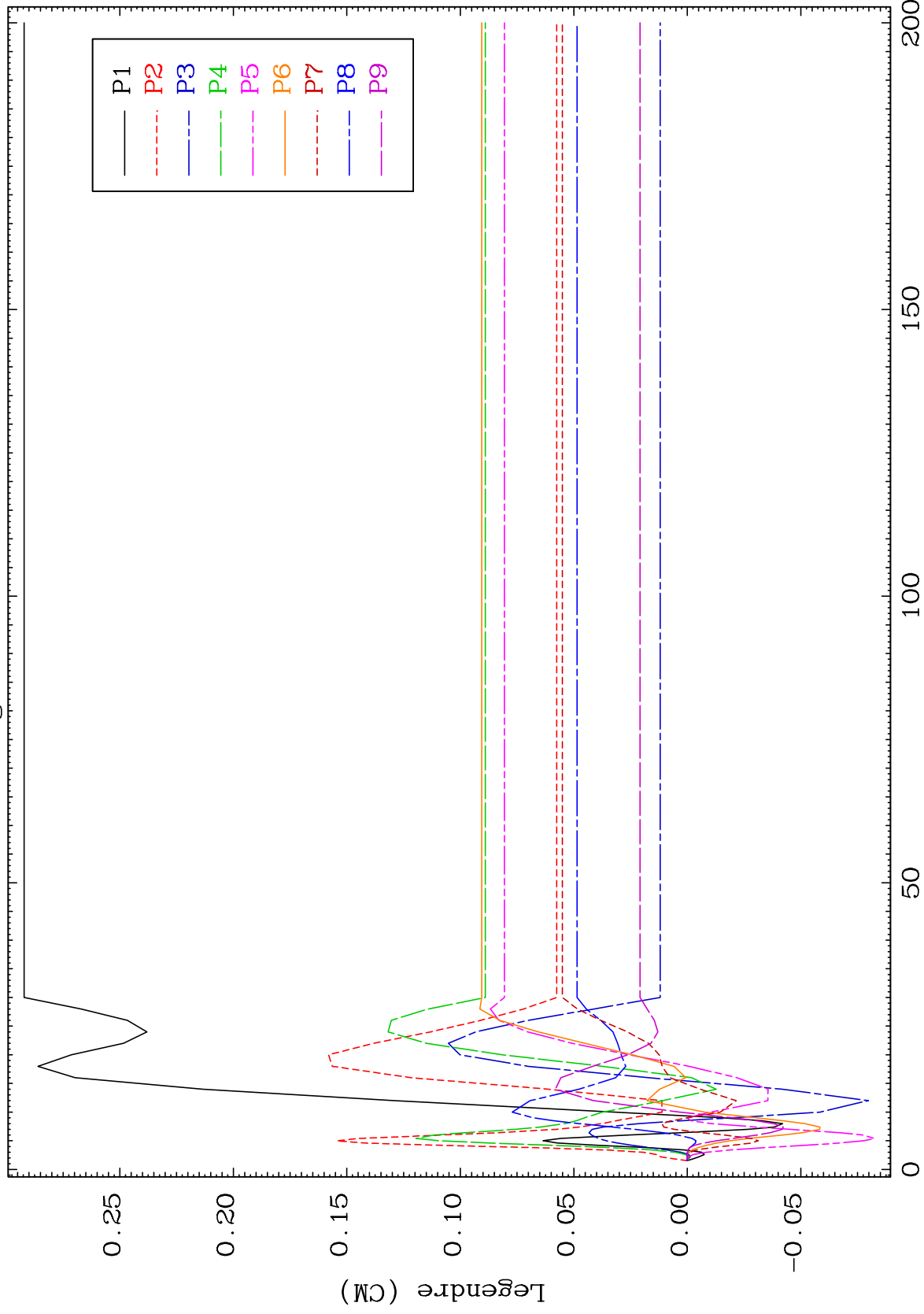
Incident Energy (MeV)

67-Ho-150

MAT 6680

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

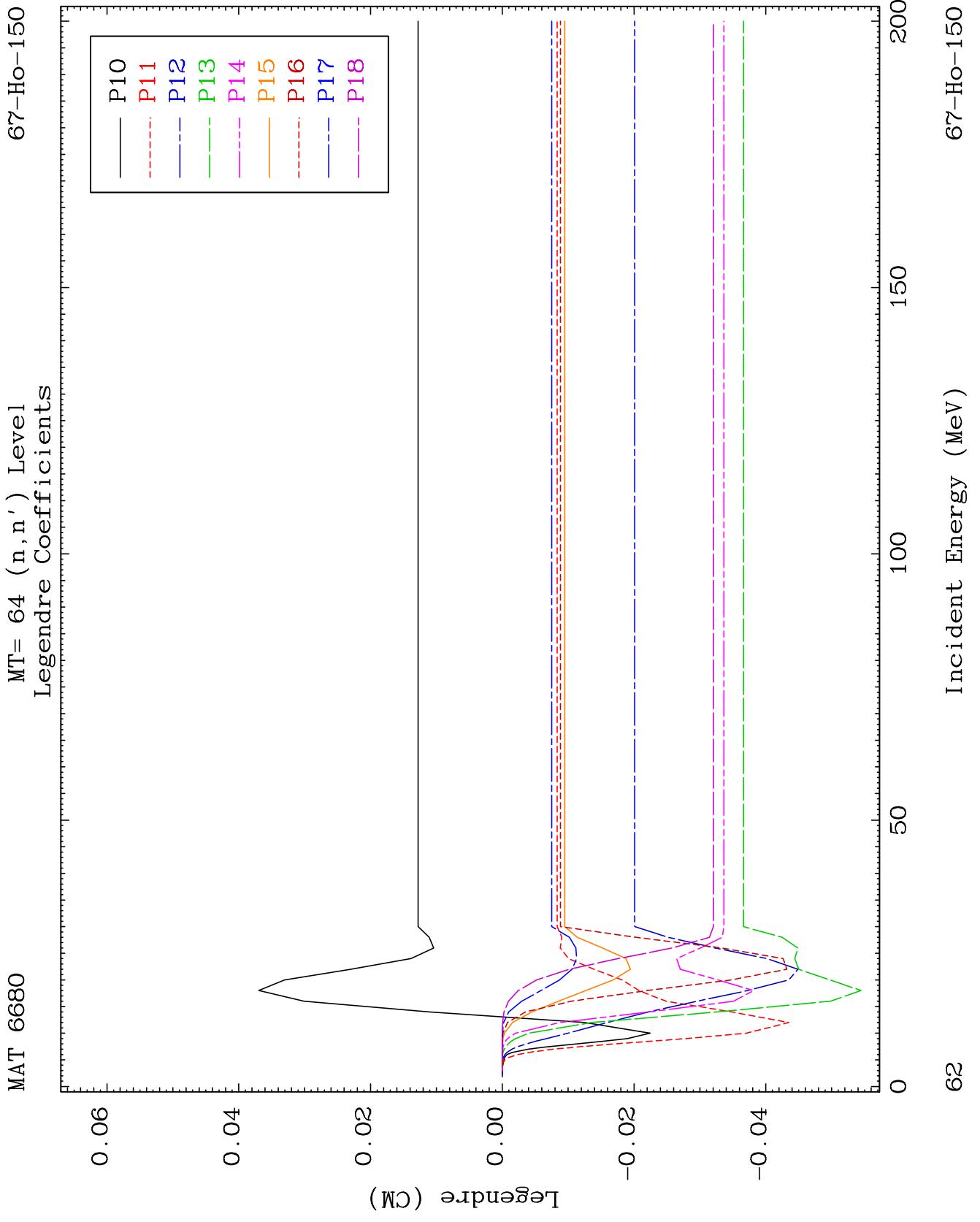
67-Ho-150



61

Incident Energy (MeV)

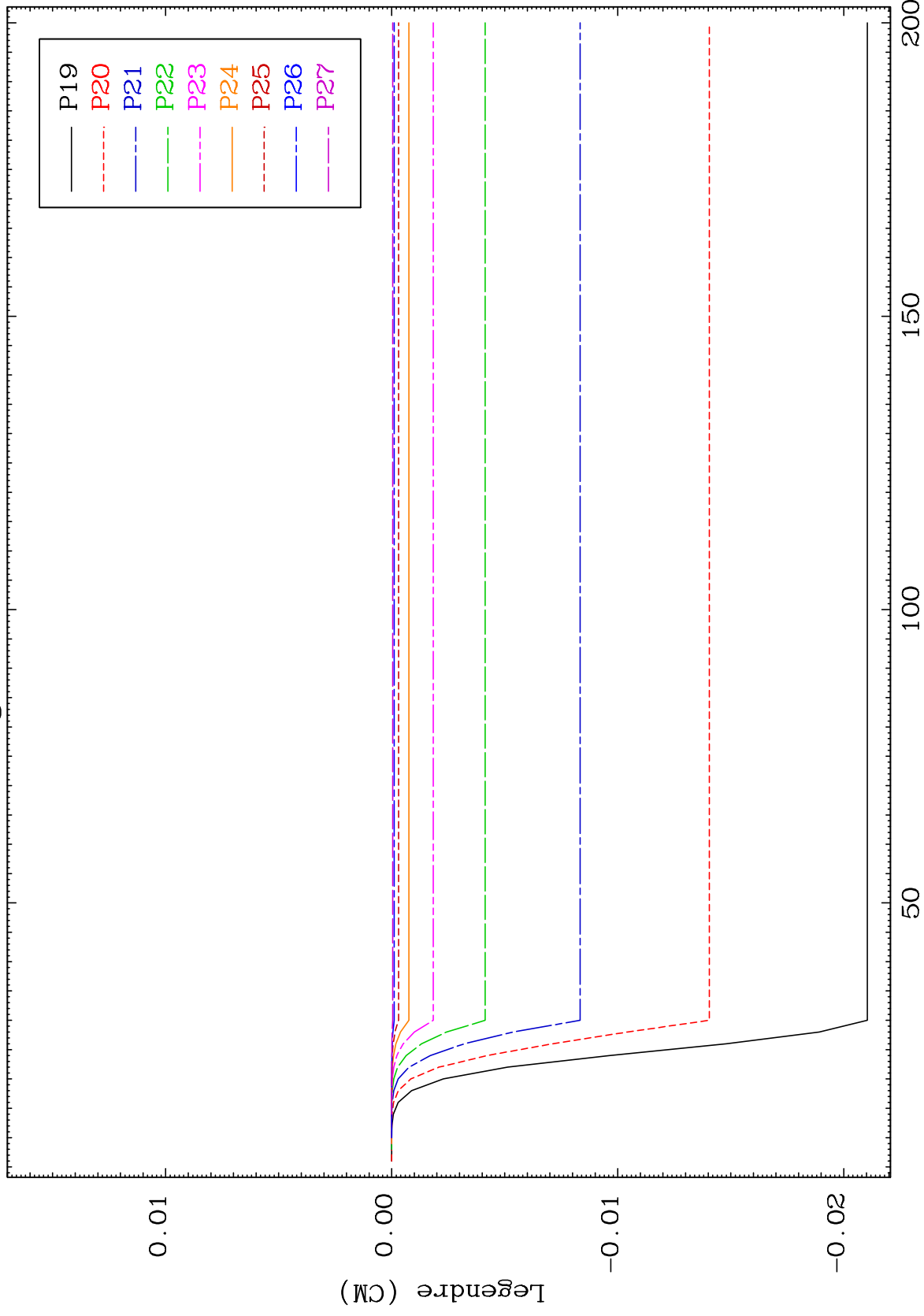
67-Ho-150



MAT 6680

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

67-Ho-150

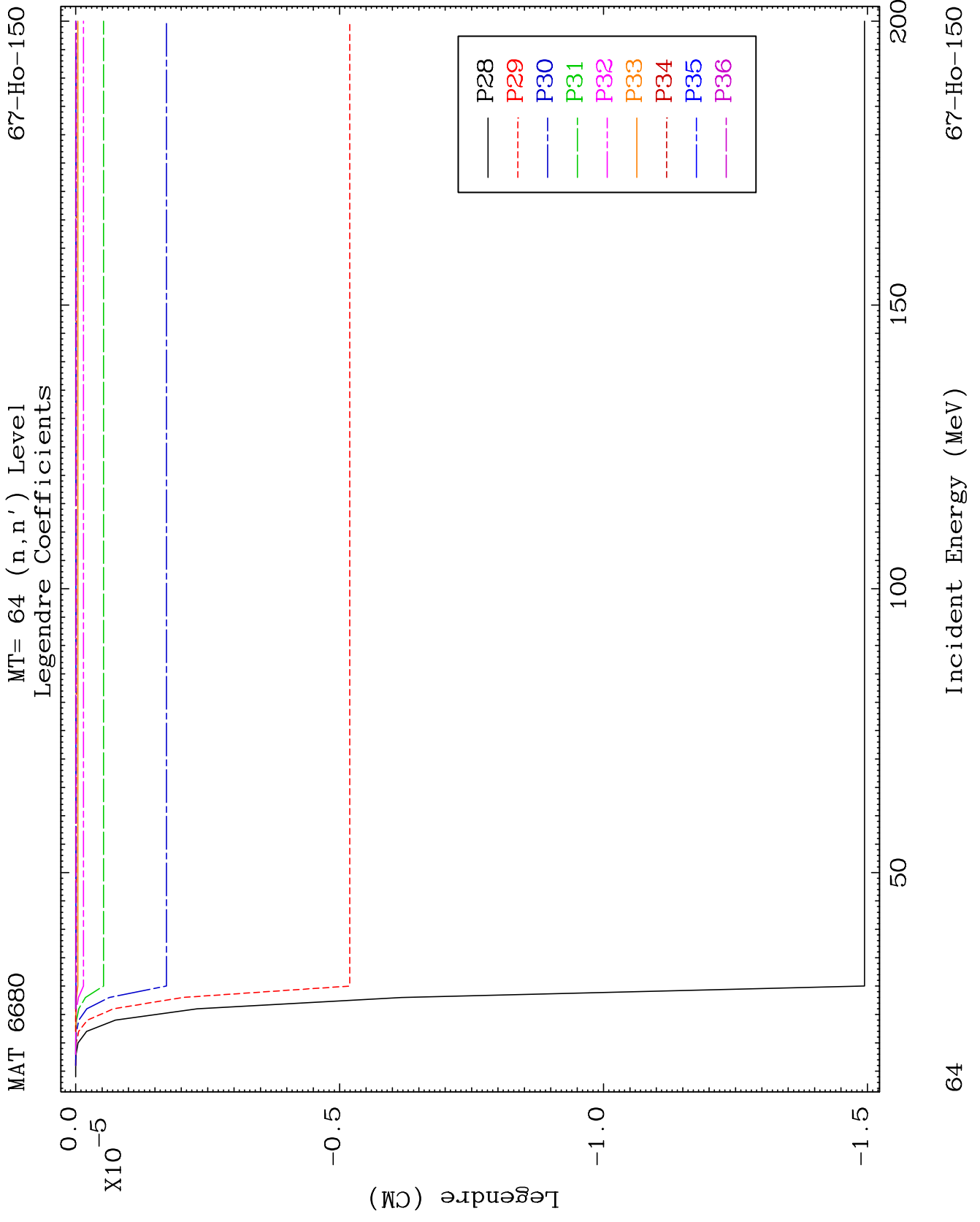


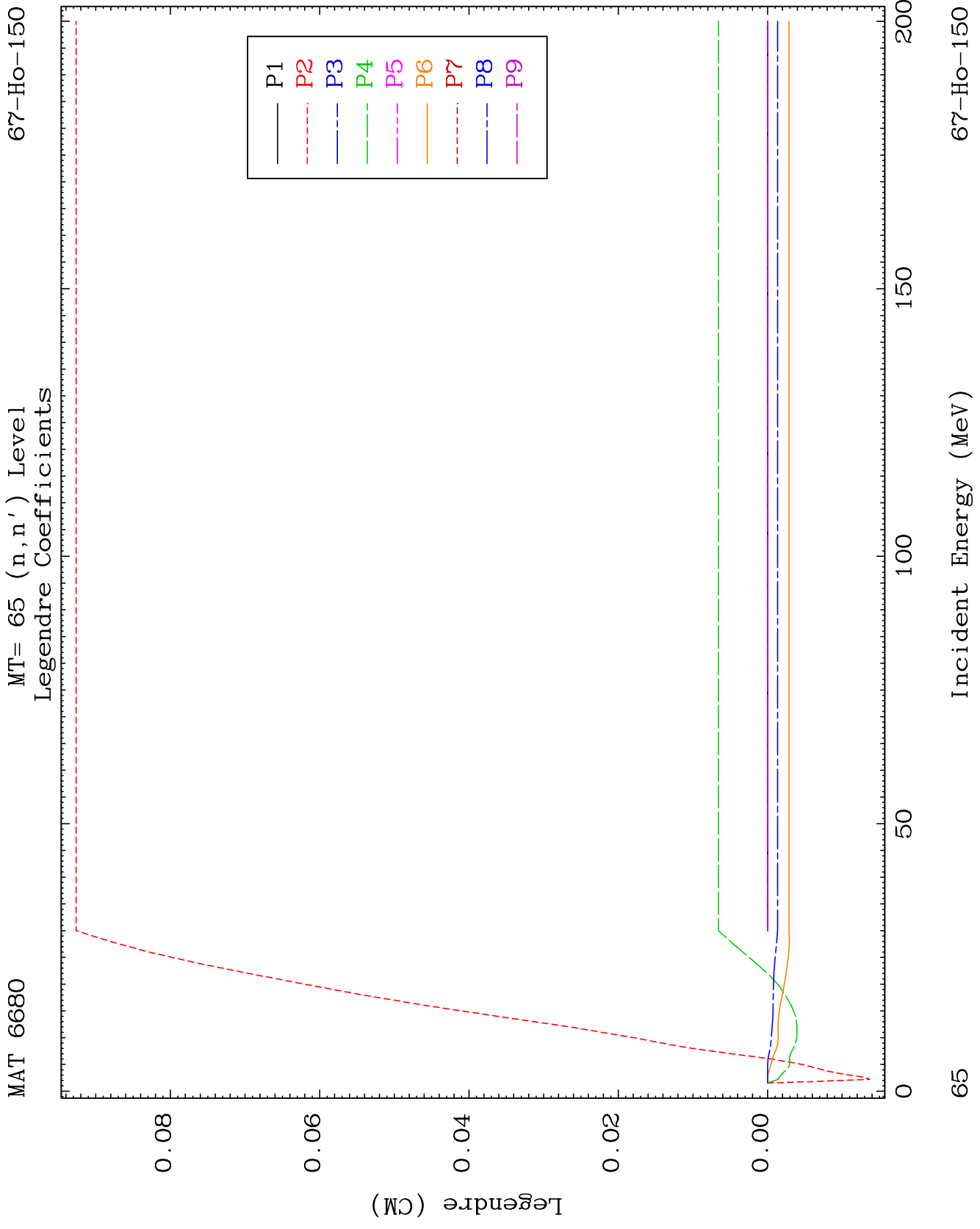
63

Incident Energy (MeV)

67-Ho-150



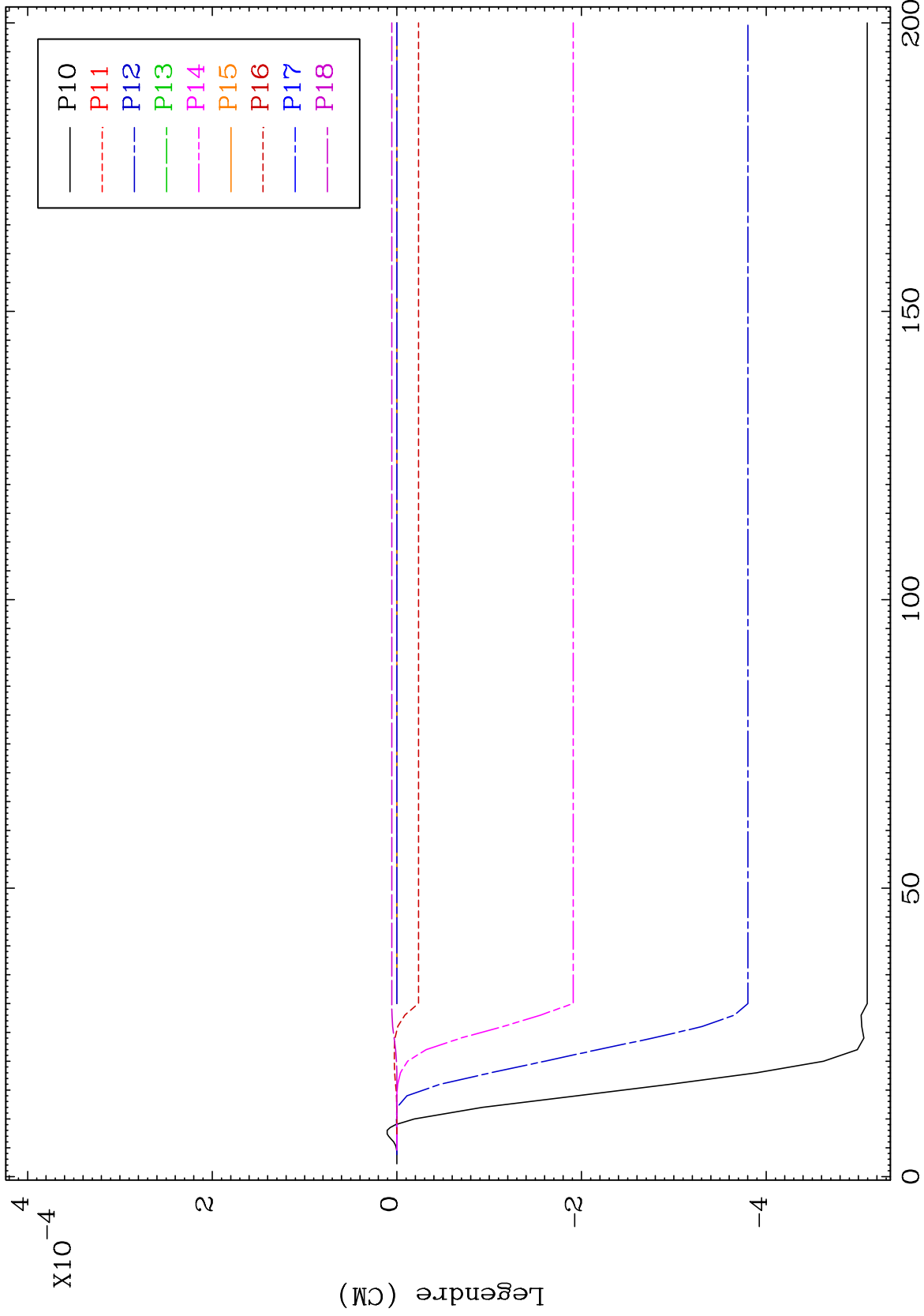




MAT 6680

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

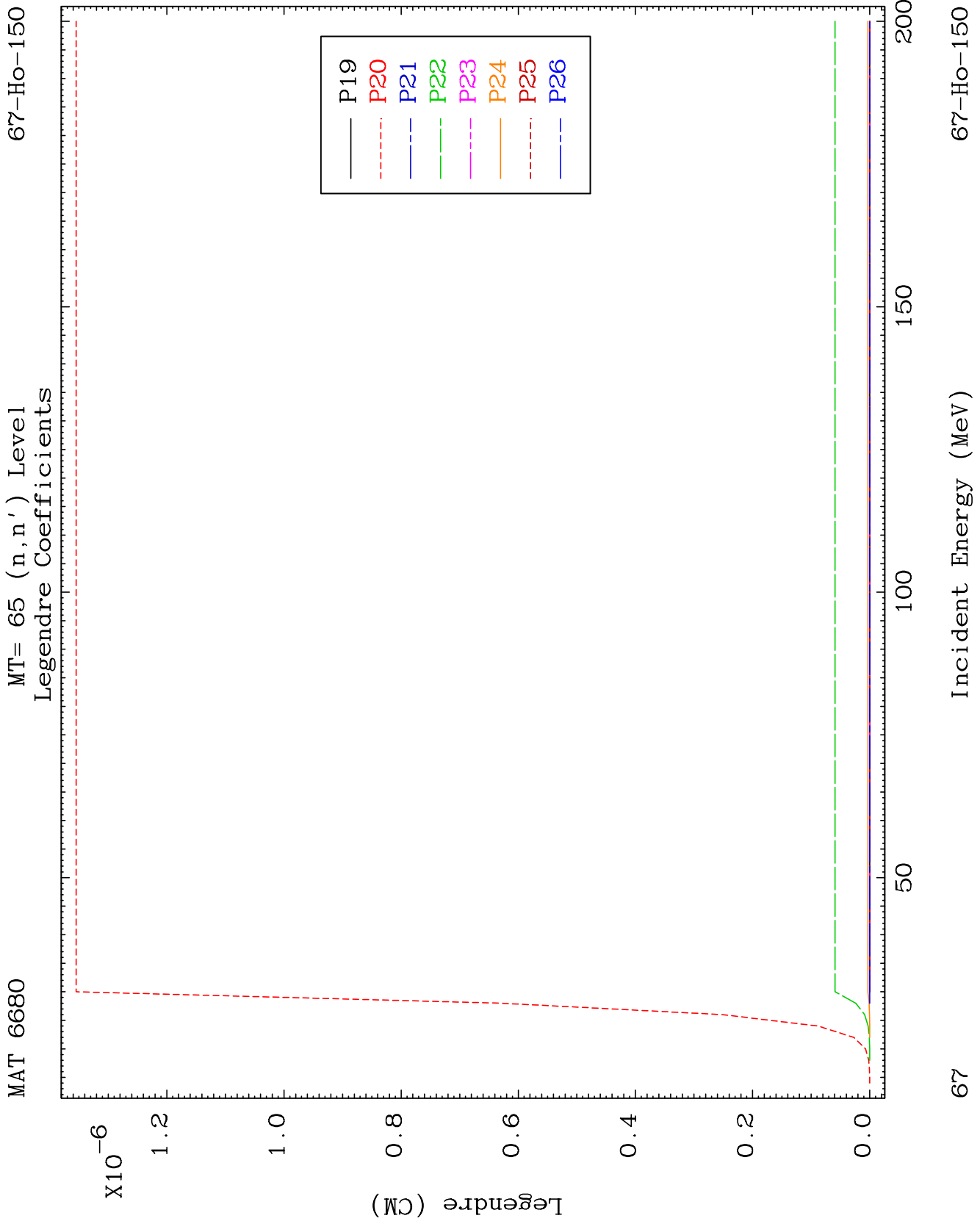
67-Ho-150

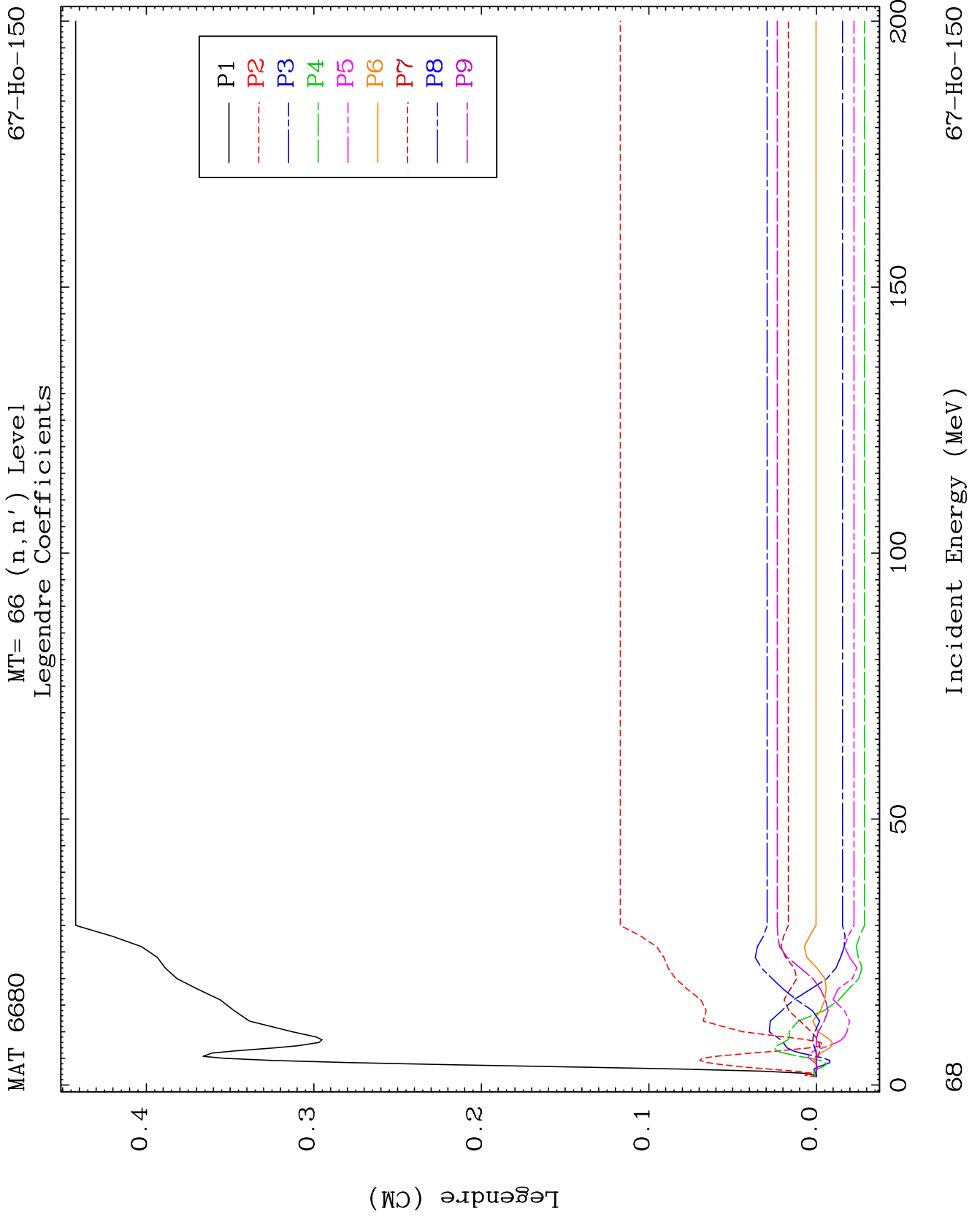


66

Incident Energy (MeV)

67-Ho-150

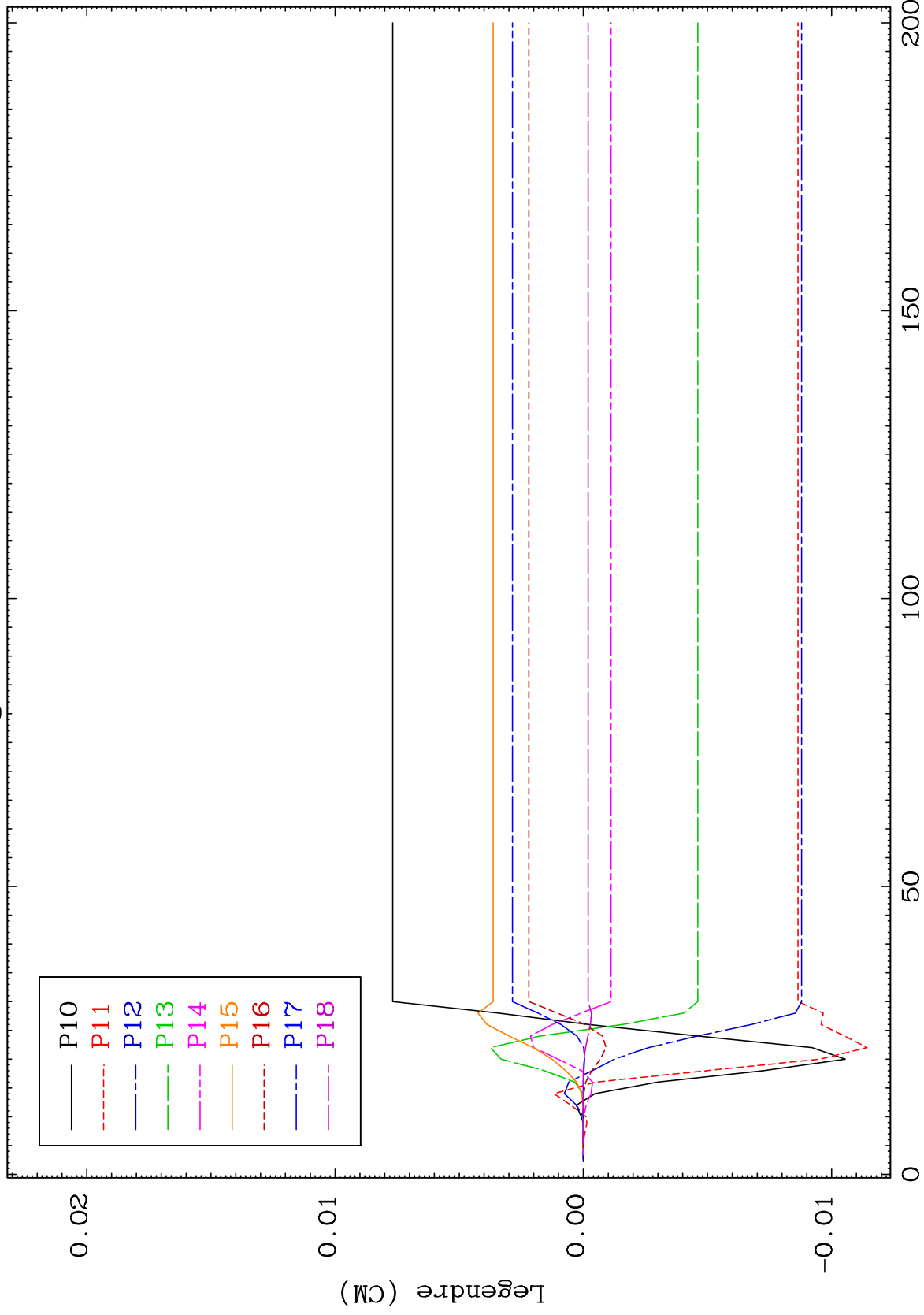




MAT 6680

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

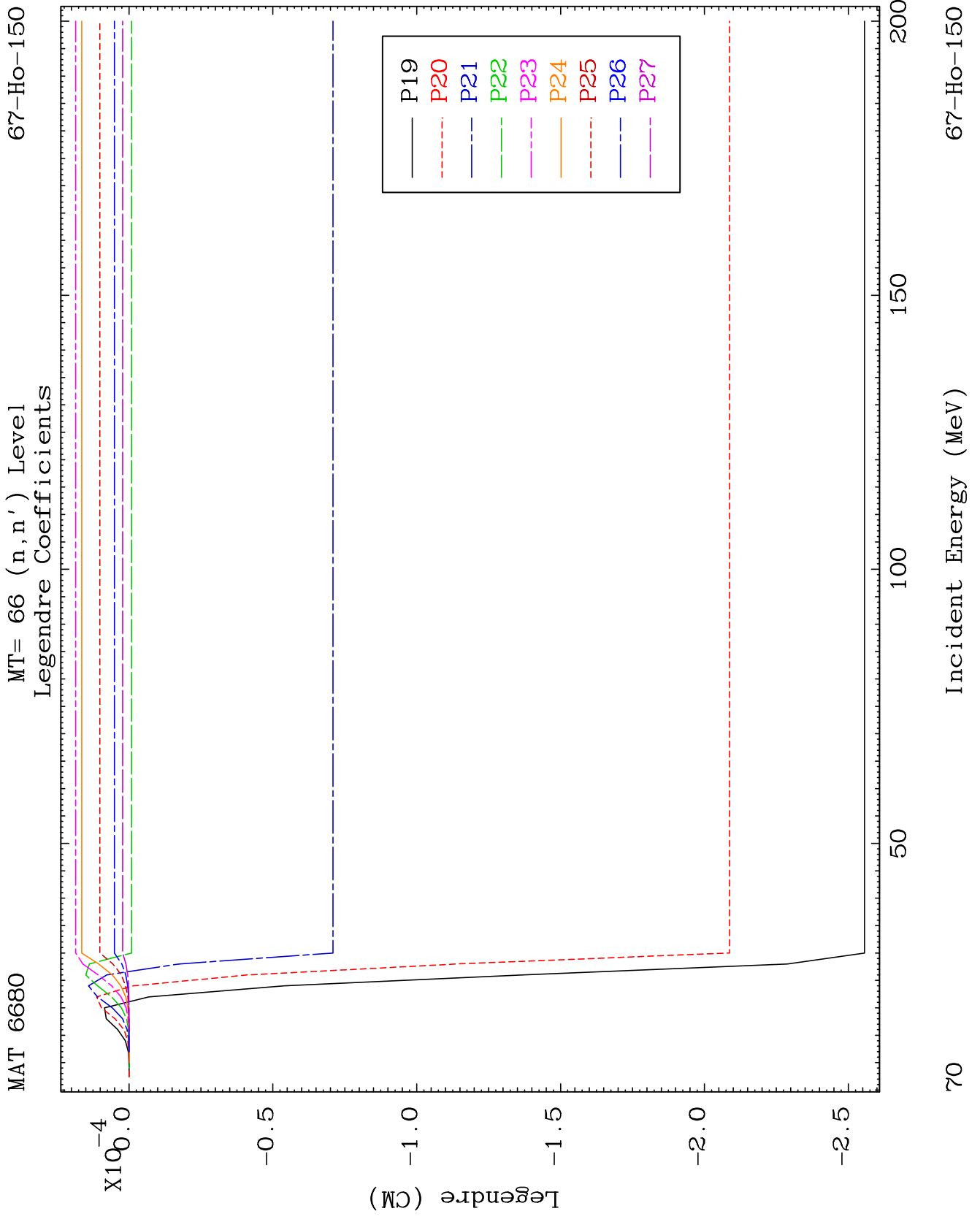
67-Ho-150



69

Incident Energy (MeV)

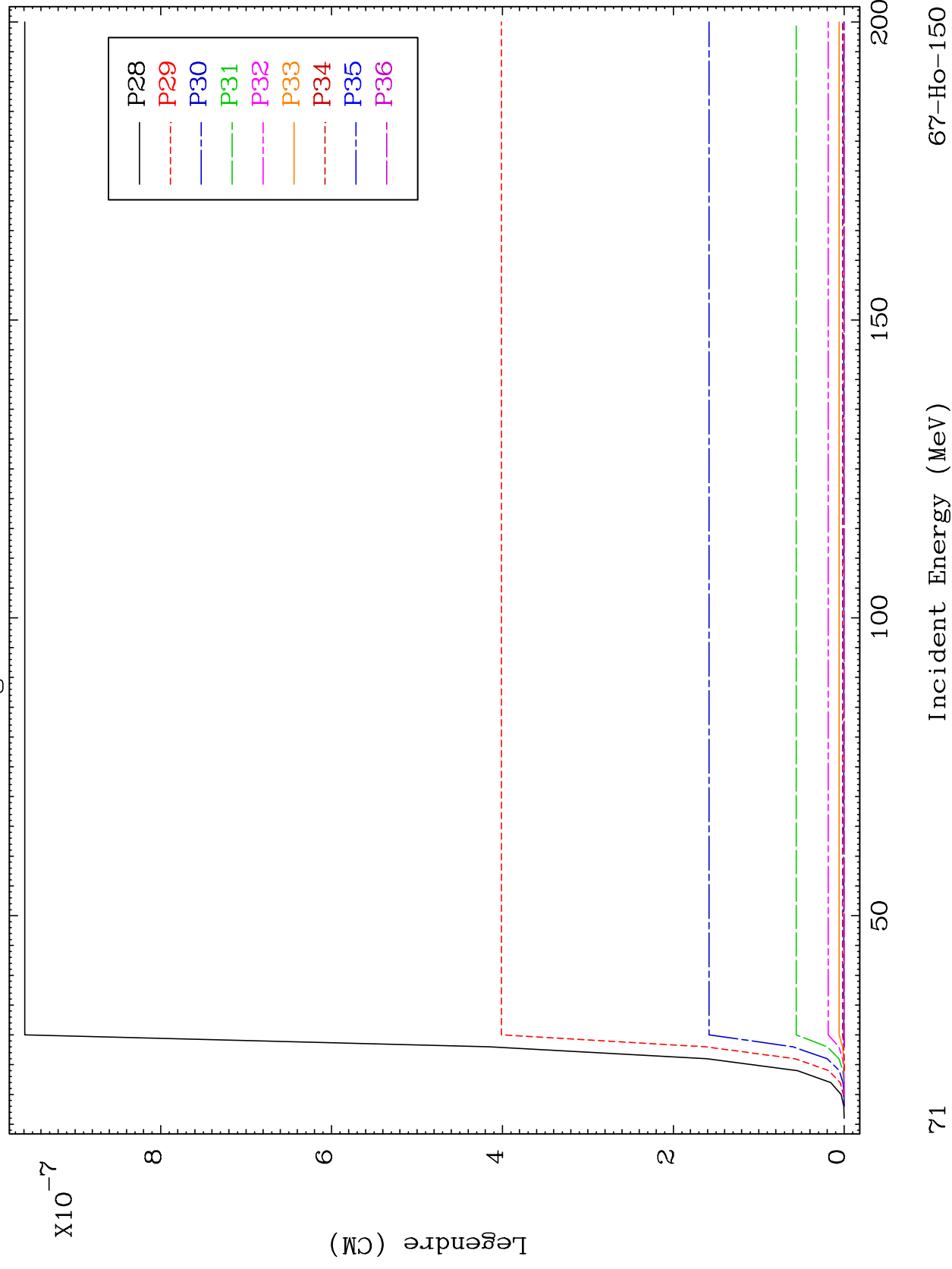
67-Ho-150



MAT 6680

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

67-Ho-150

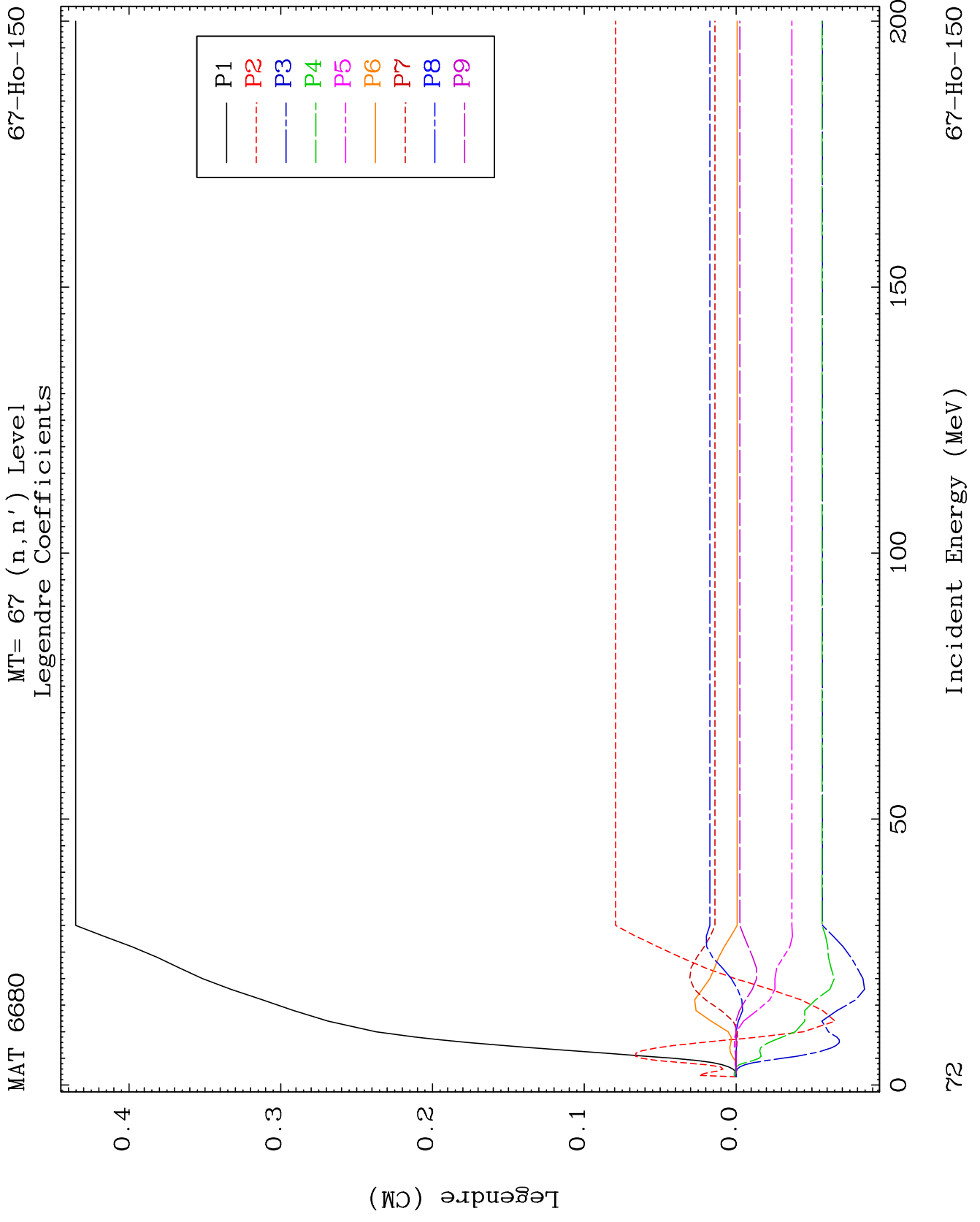


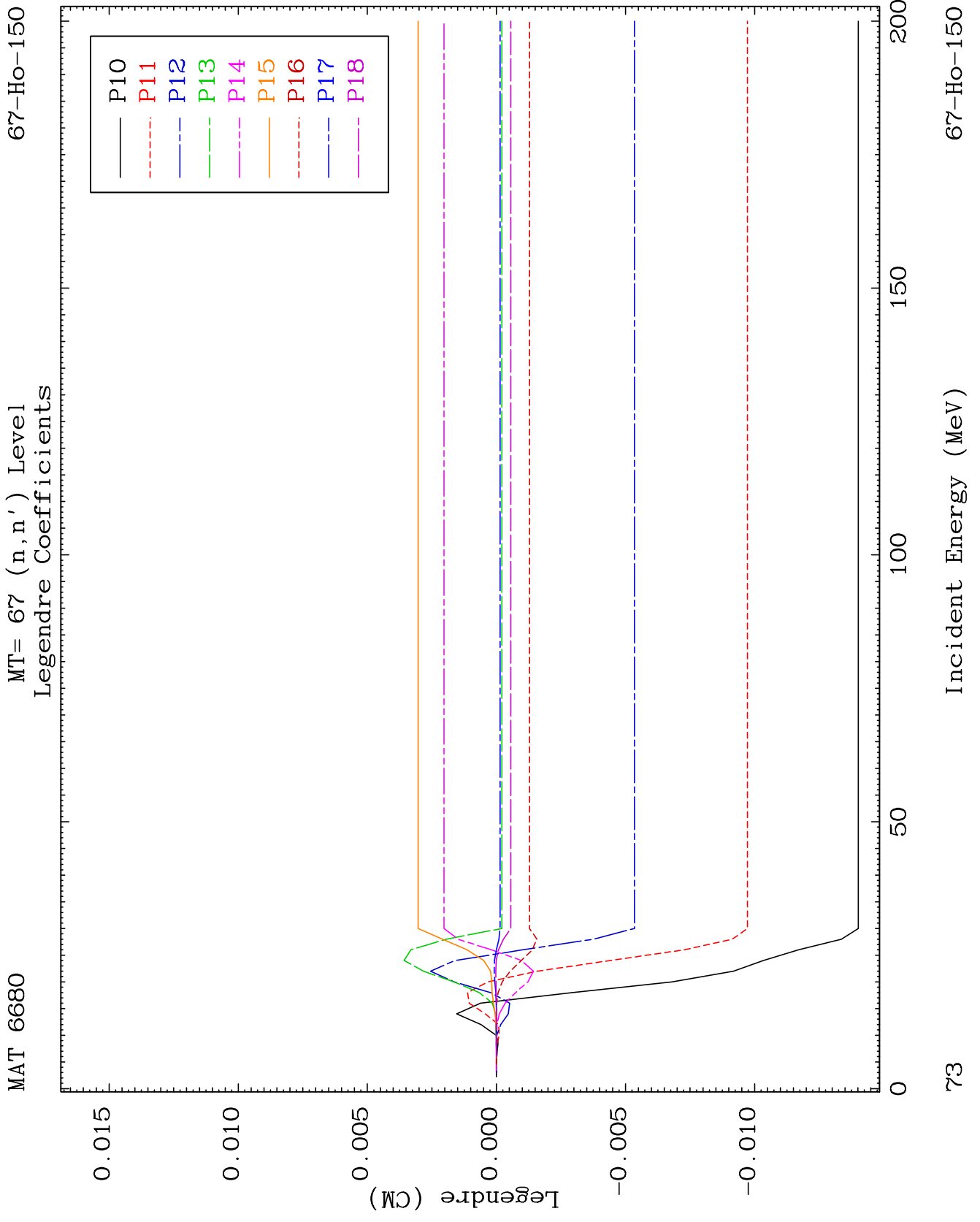
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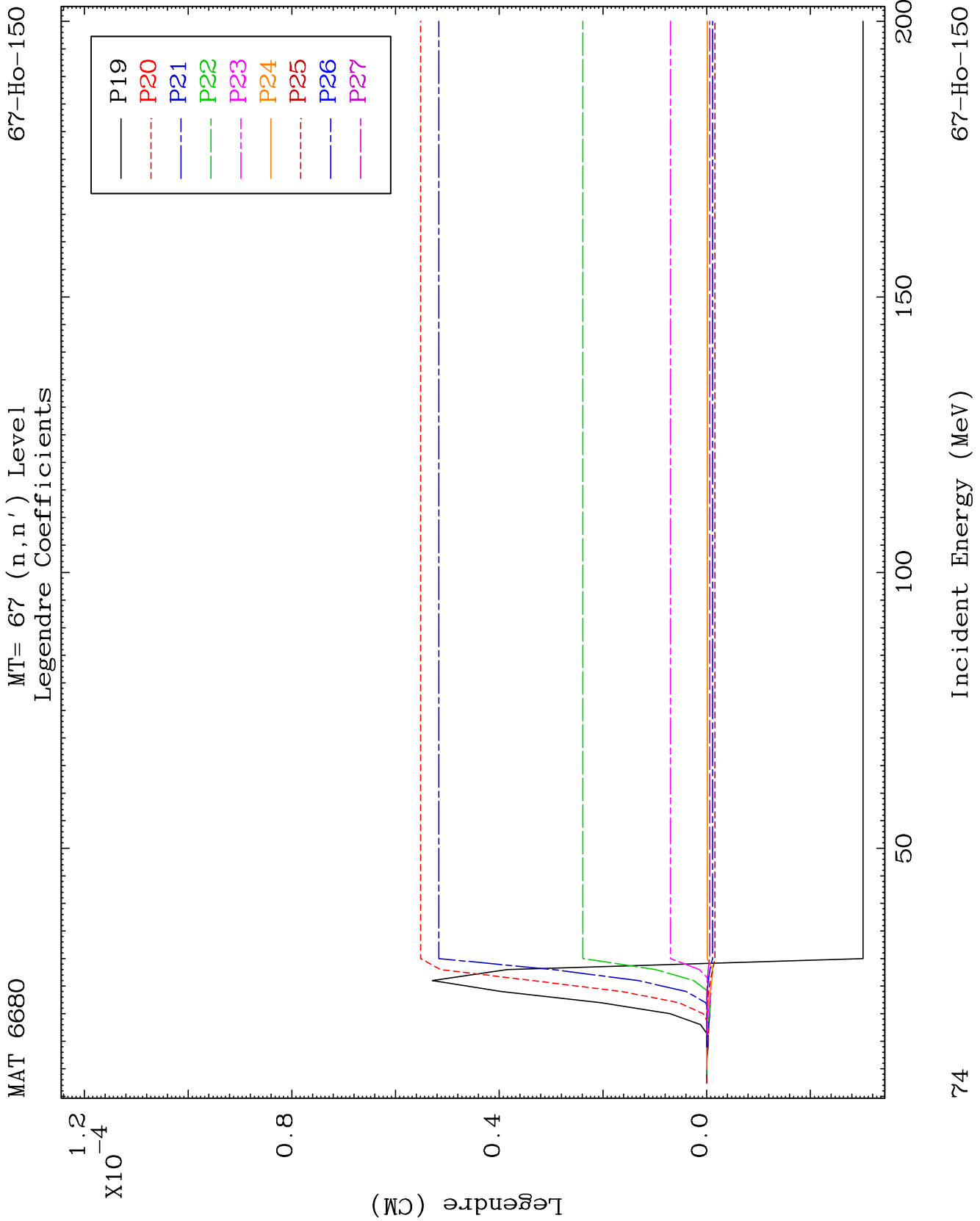
Incident Energy (MeV)

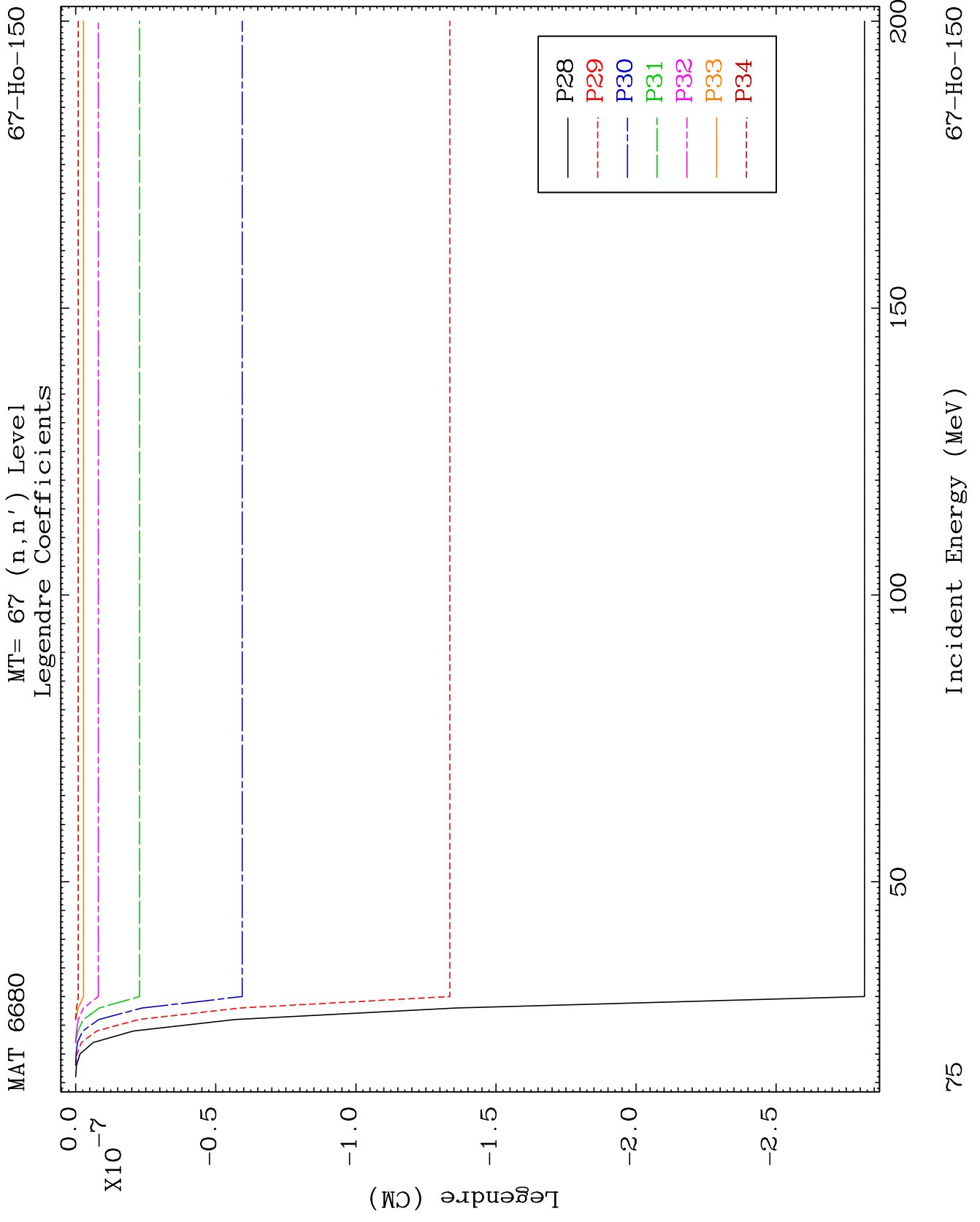
67-Ho-150







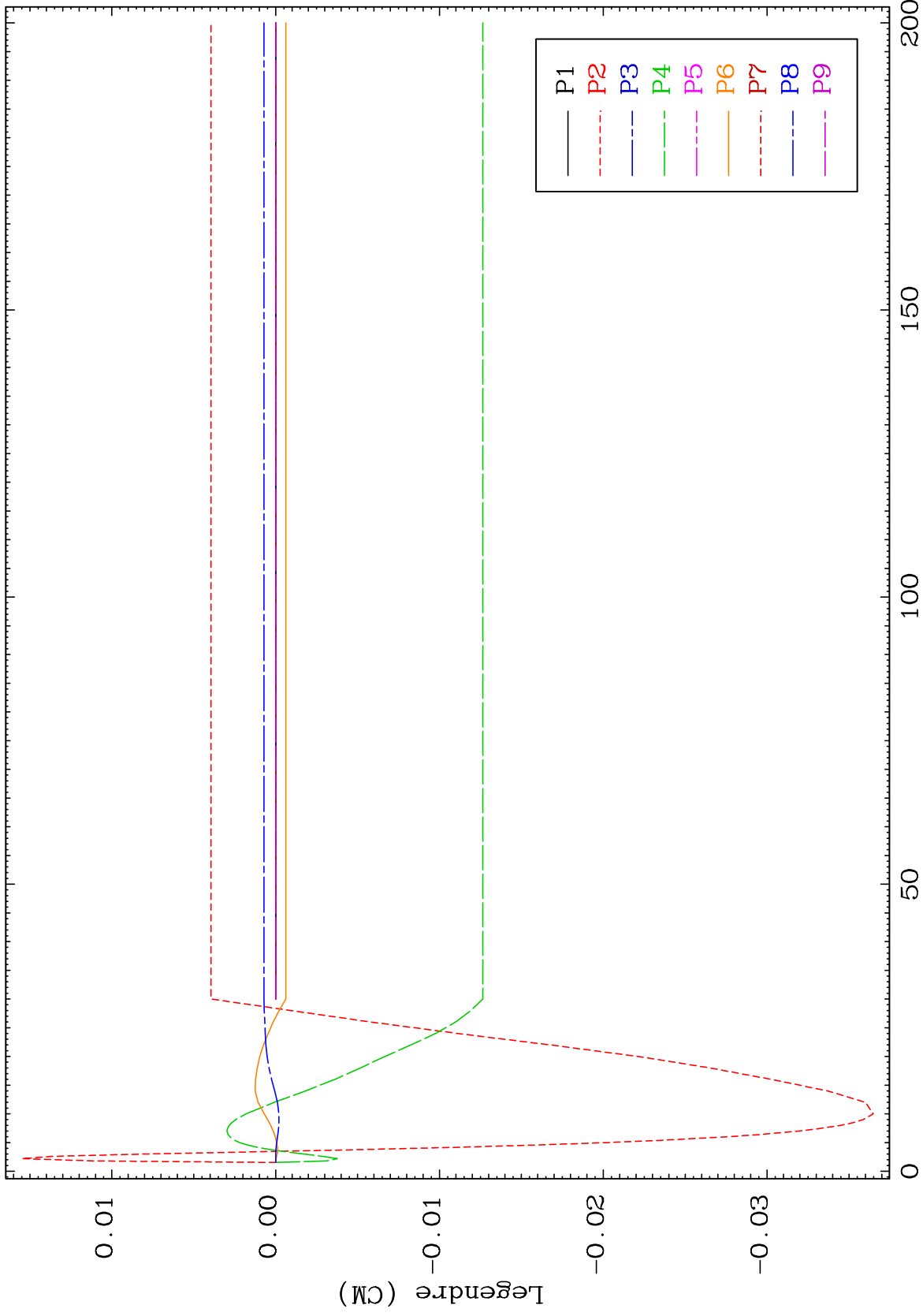




MAT 6680

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

67-Ho-150



76

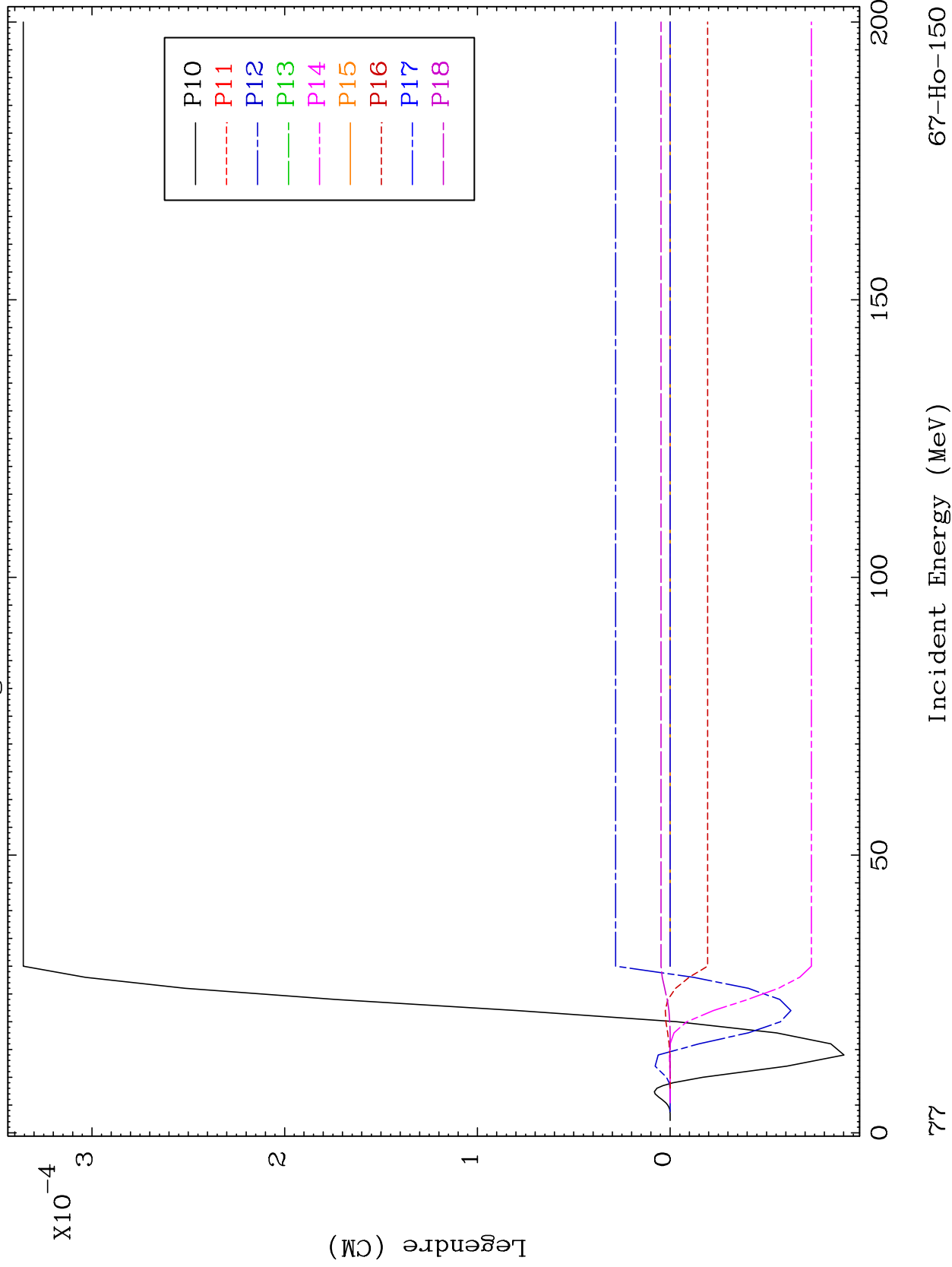
Incident Energy (MeV)

67-Ho-150

MAT 6680

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

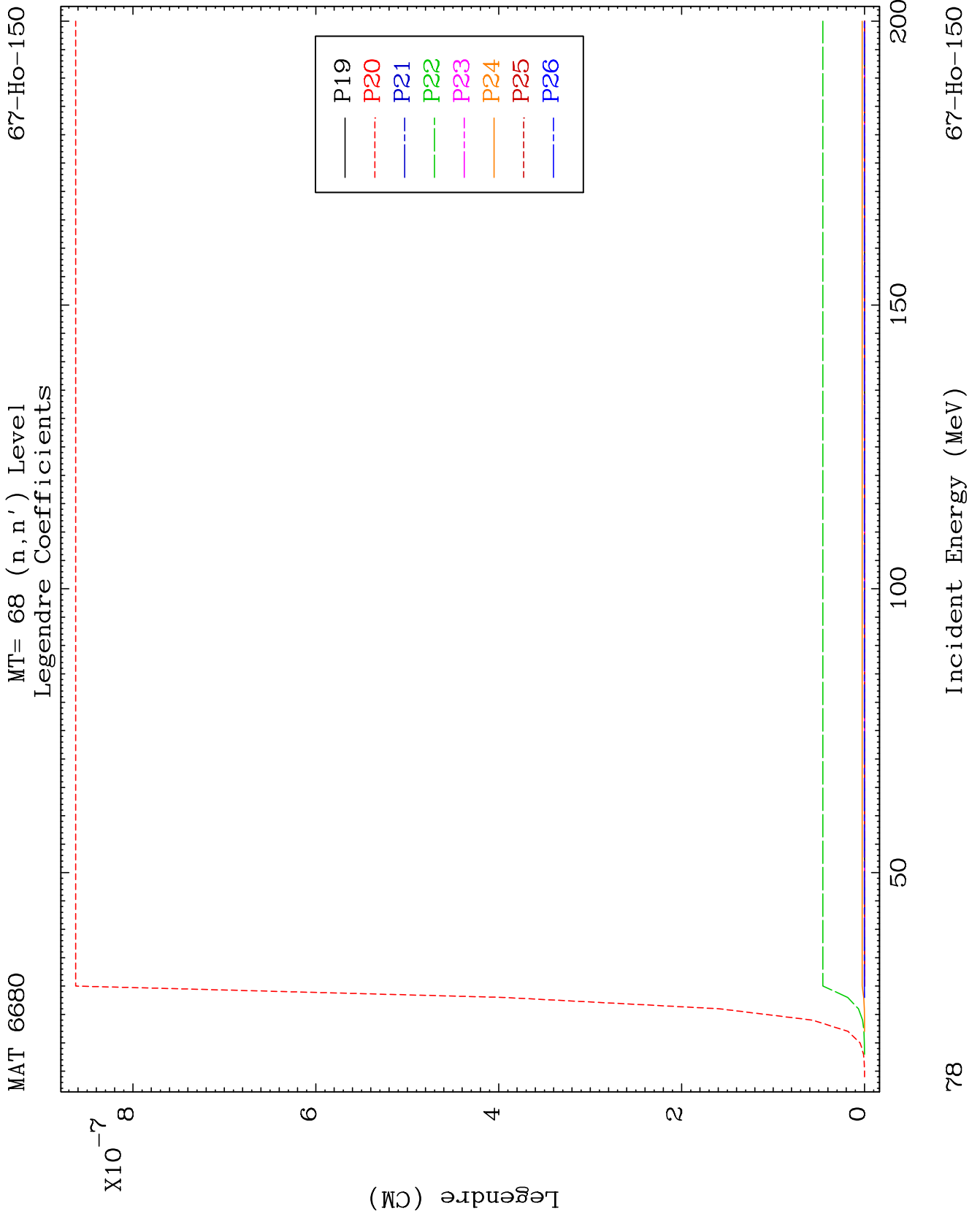
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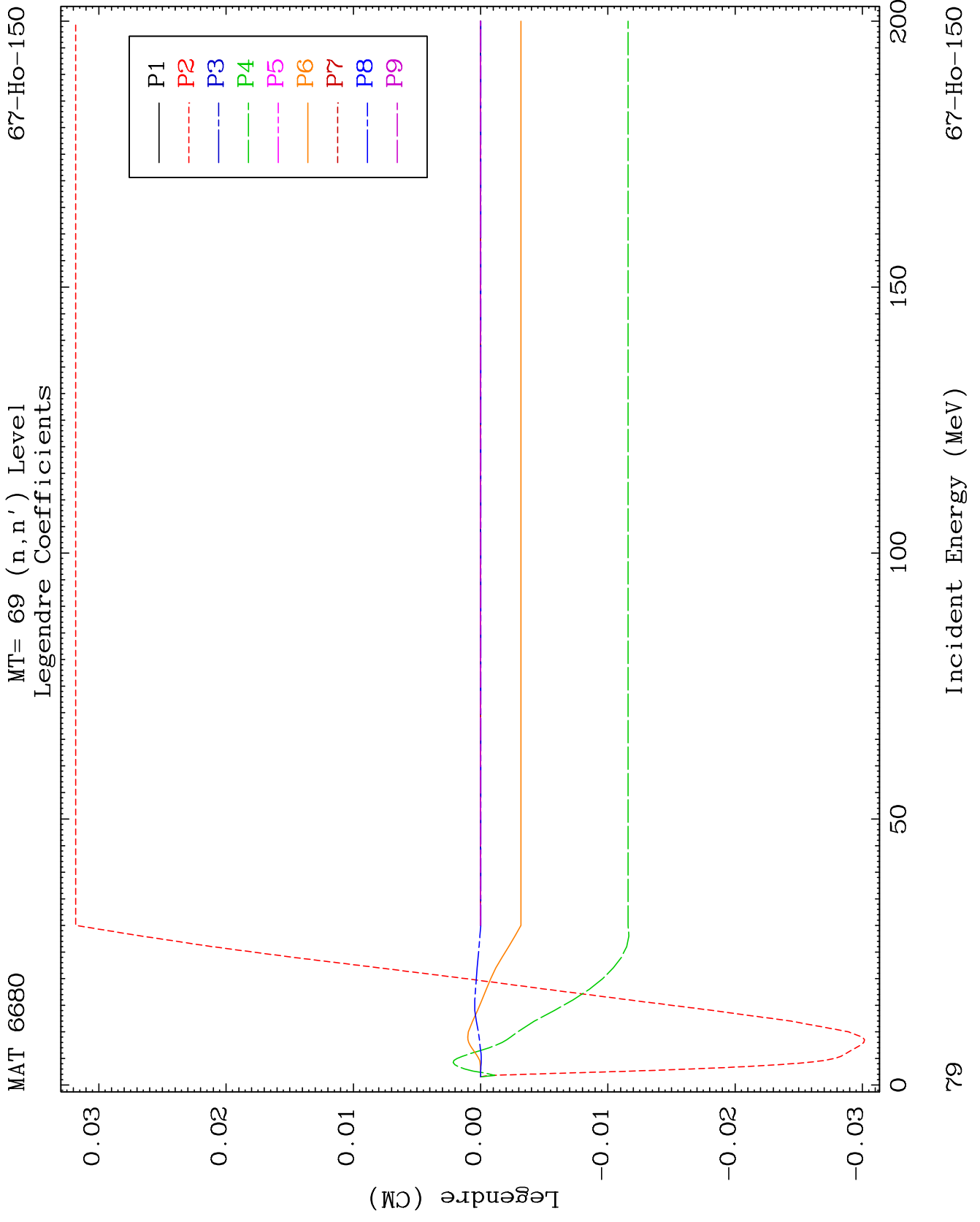


77

Incident Energy (MeV)

67-Ho-150



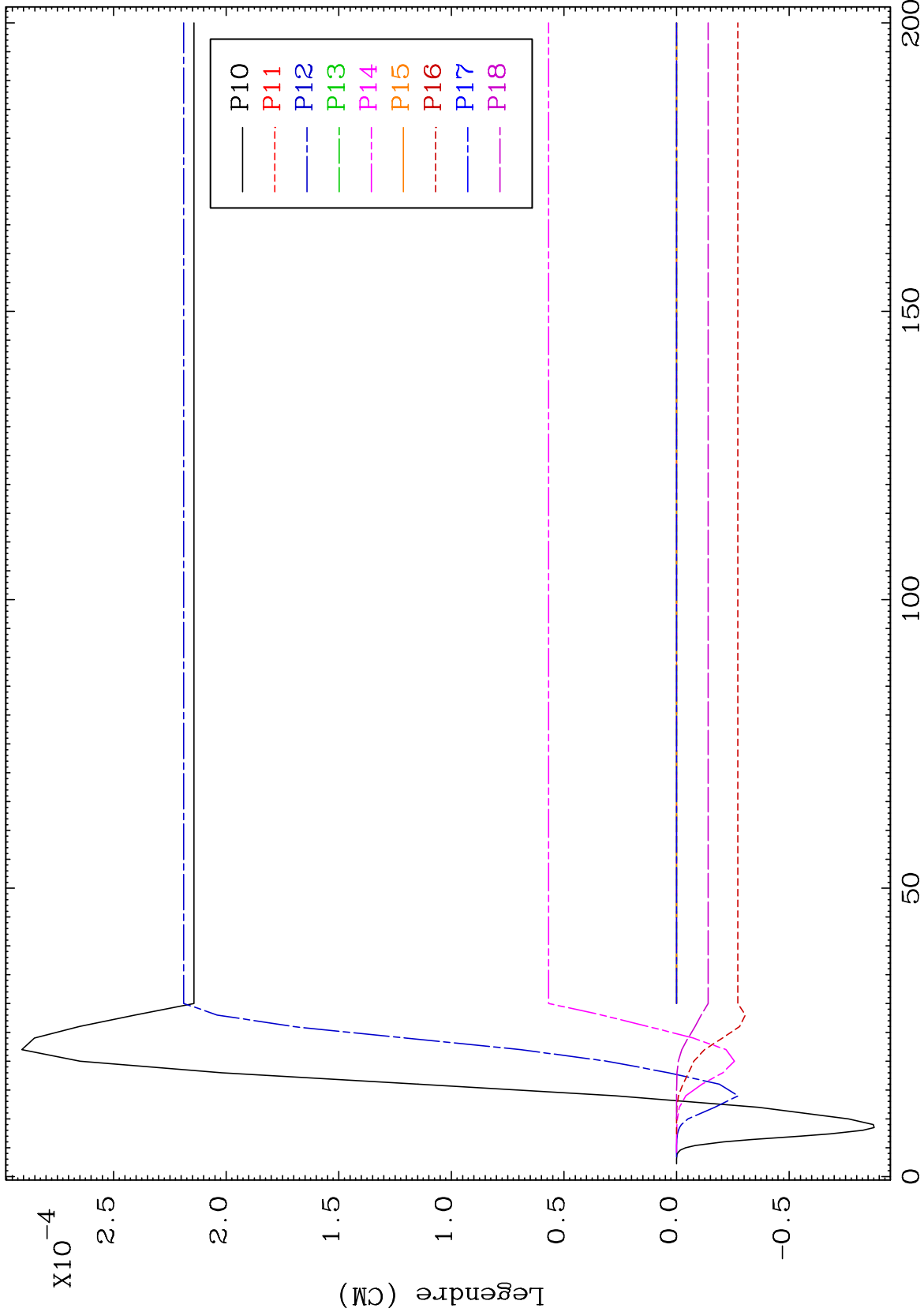




MAT 6680

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

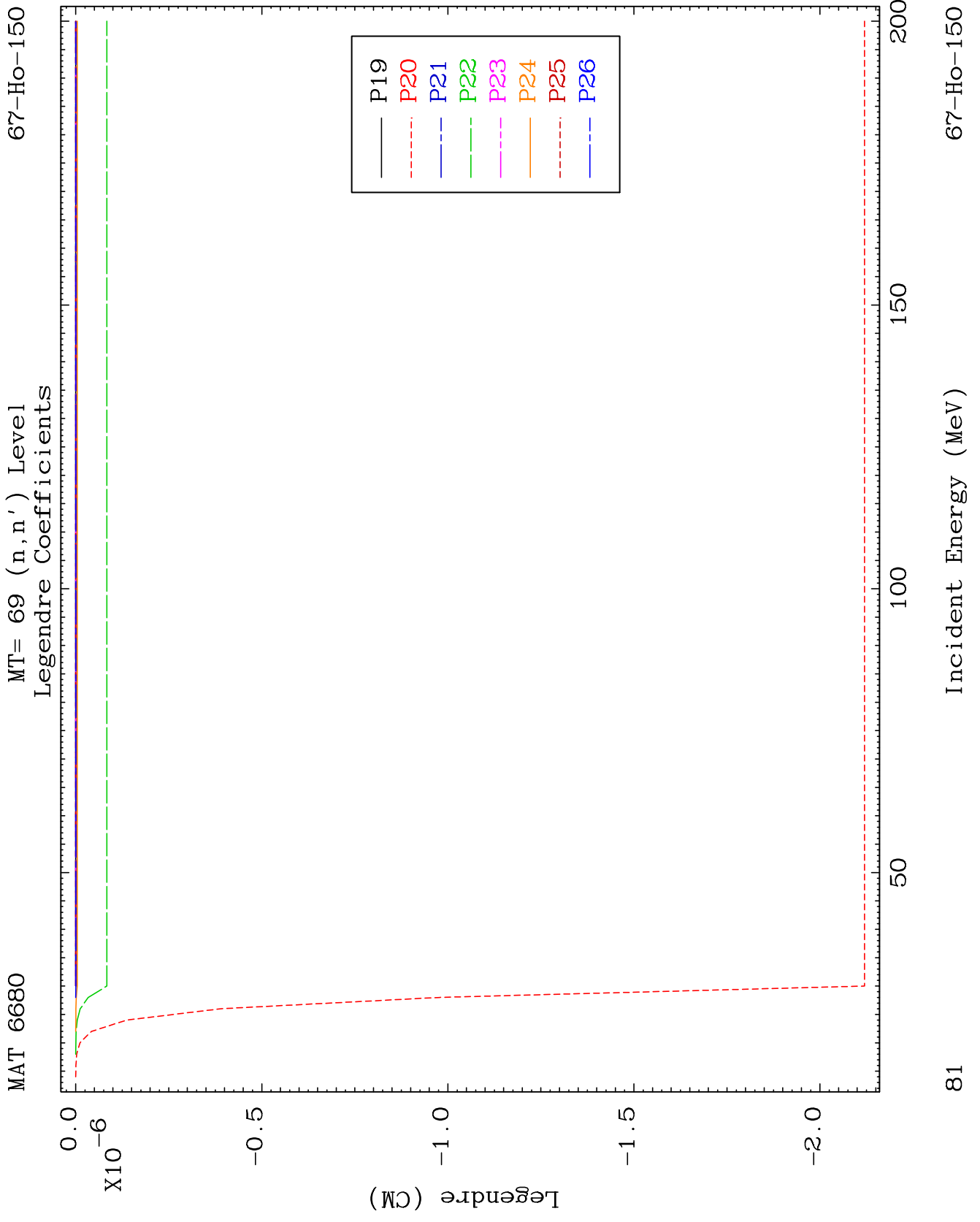
67-Ho-150

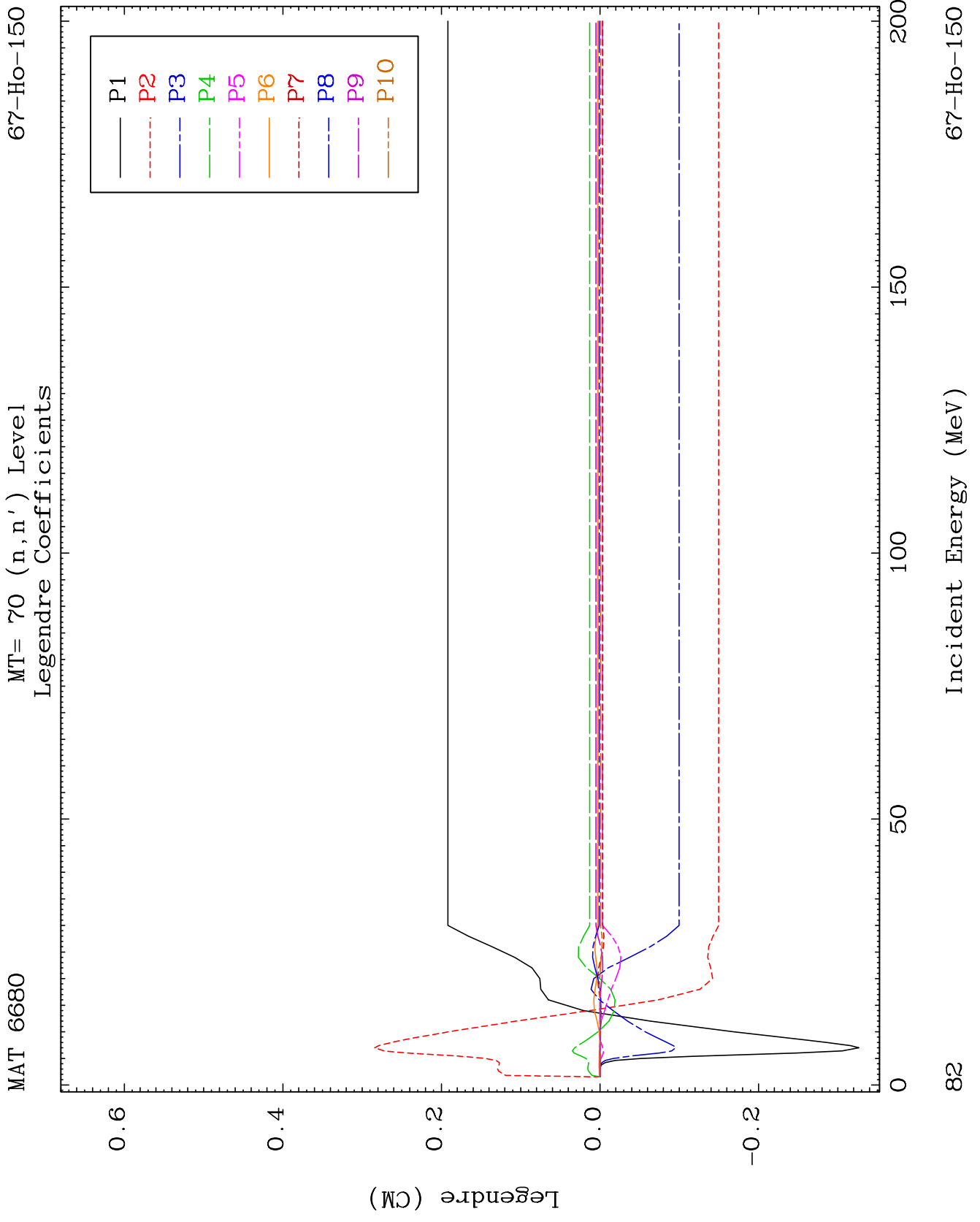


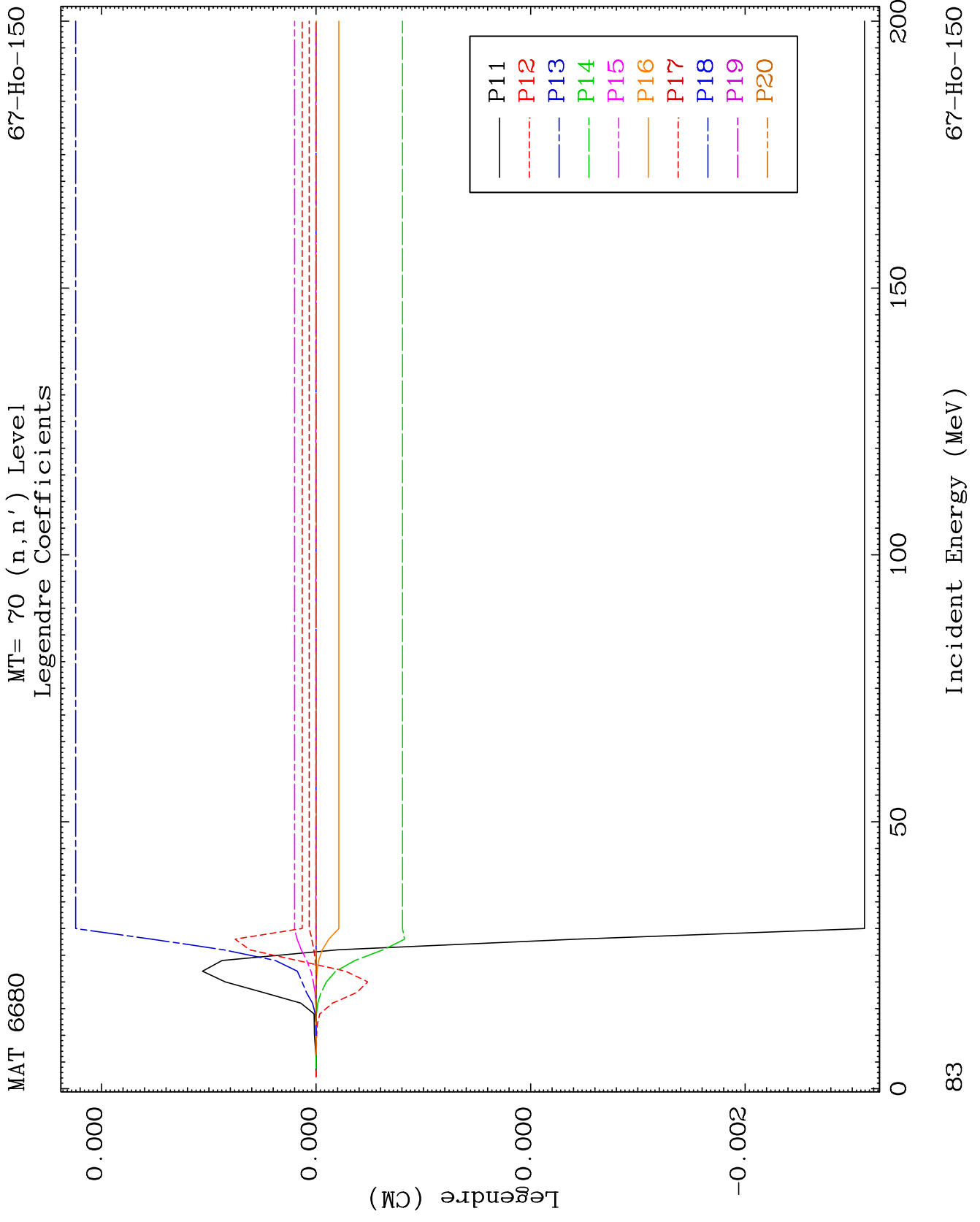
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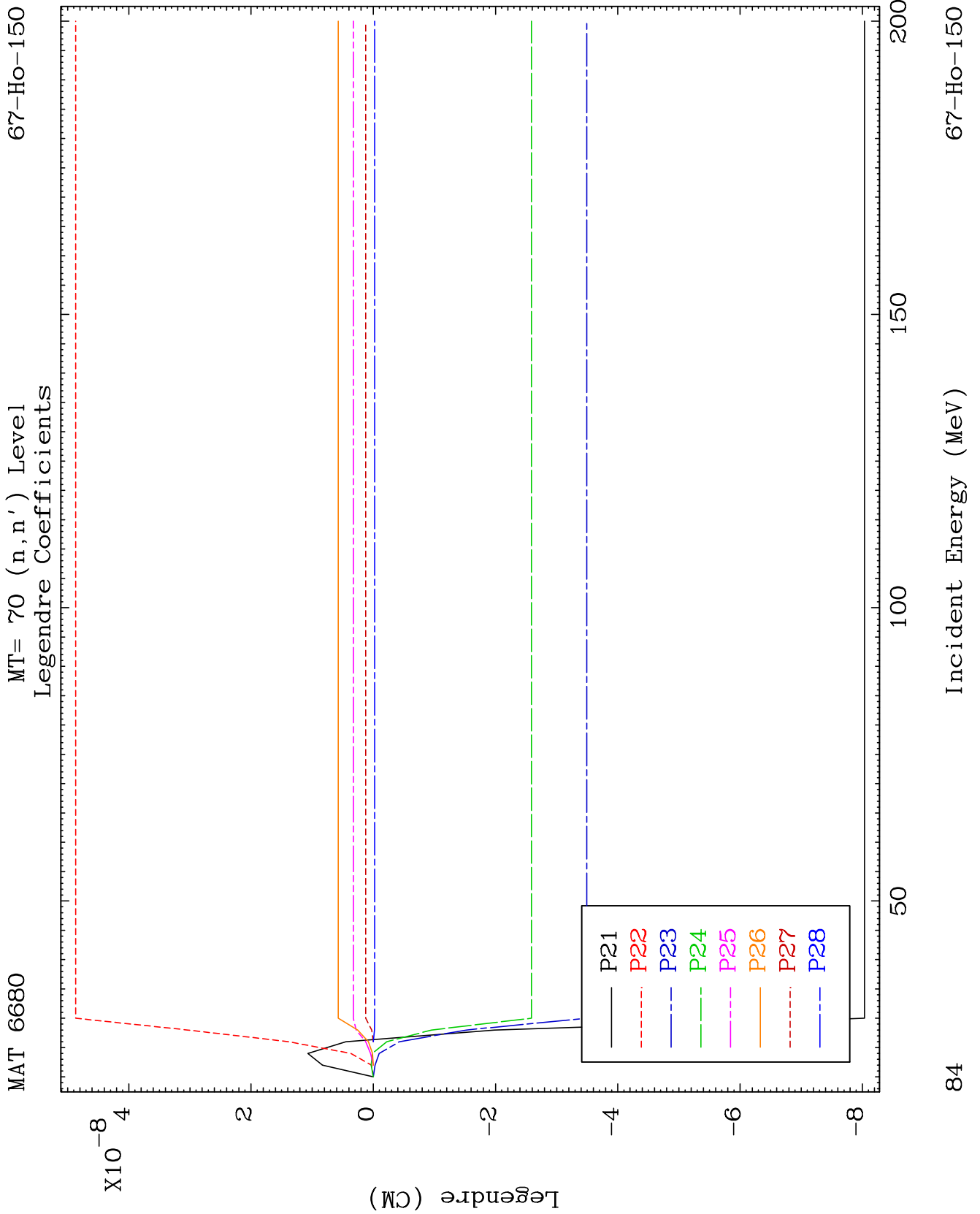
Incident Energy (MeV)

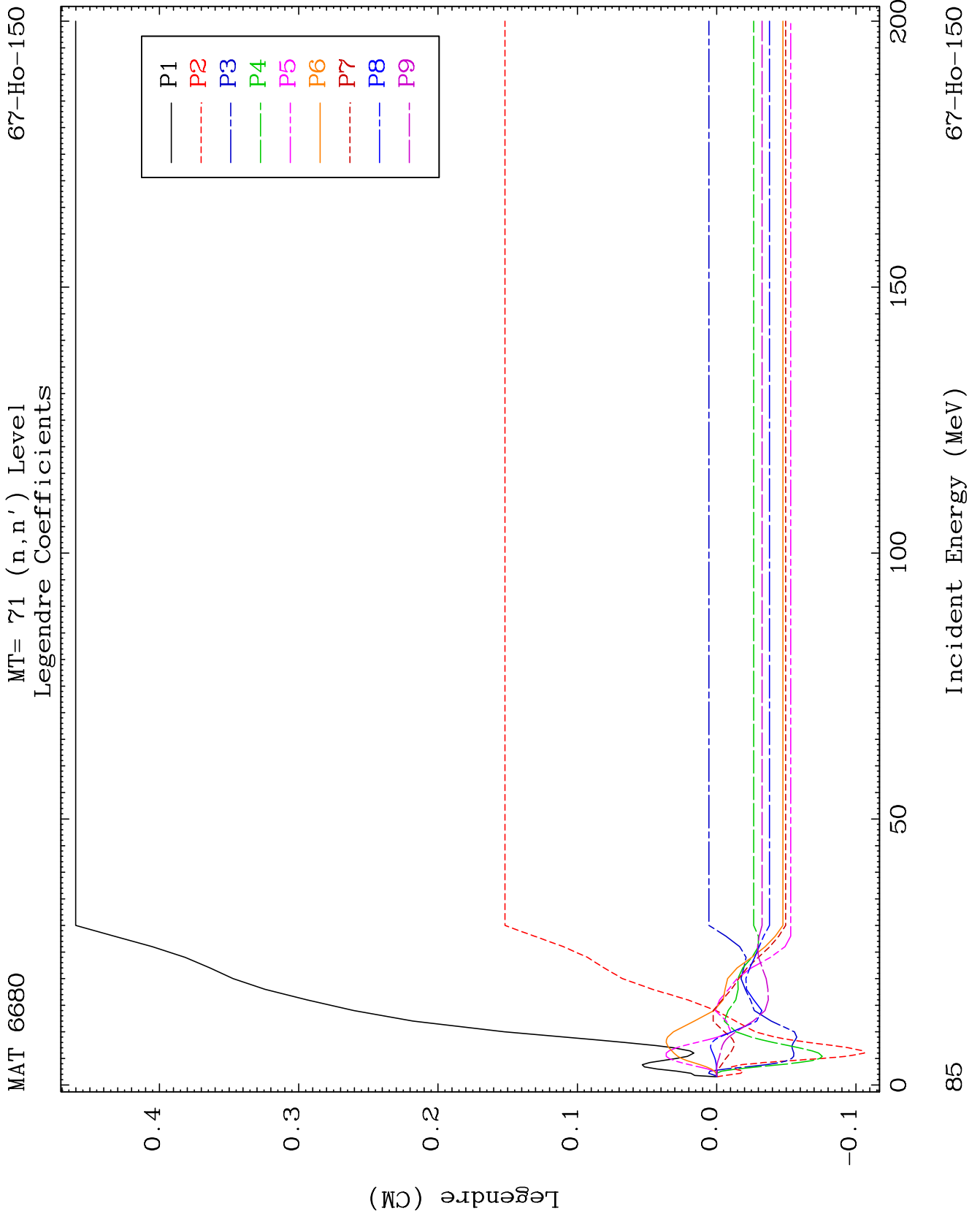
67-Ho-150



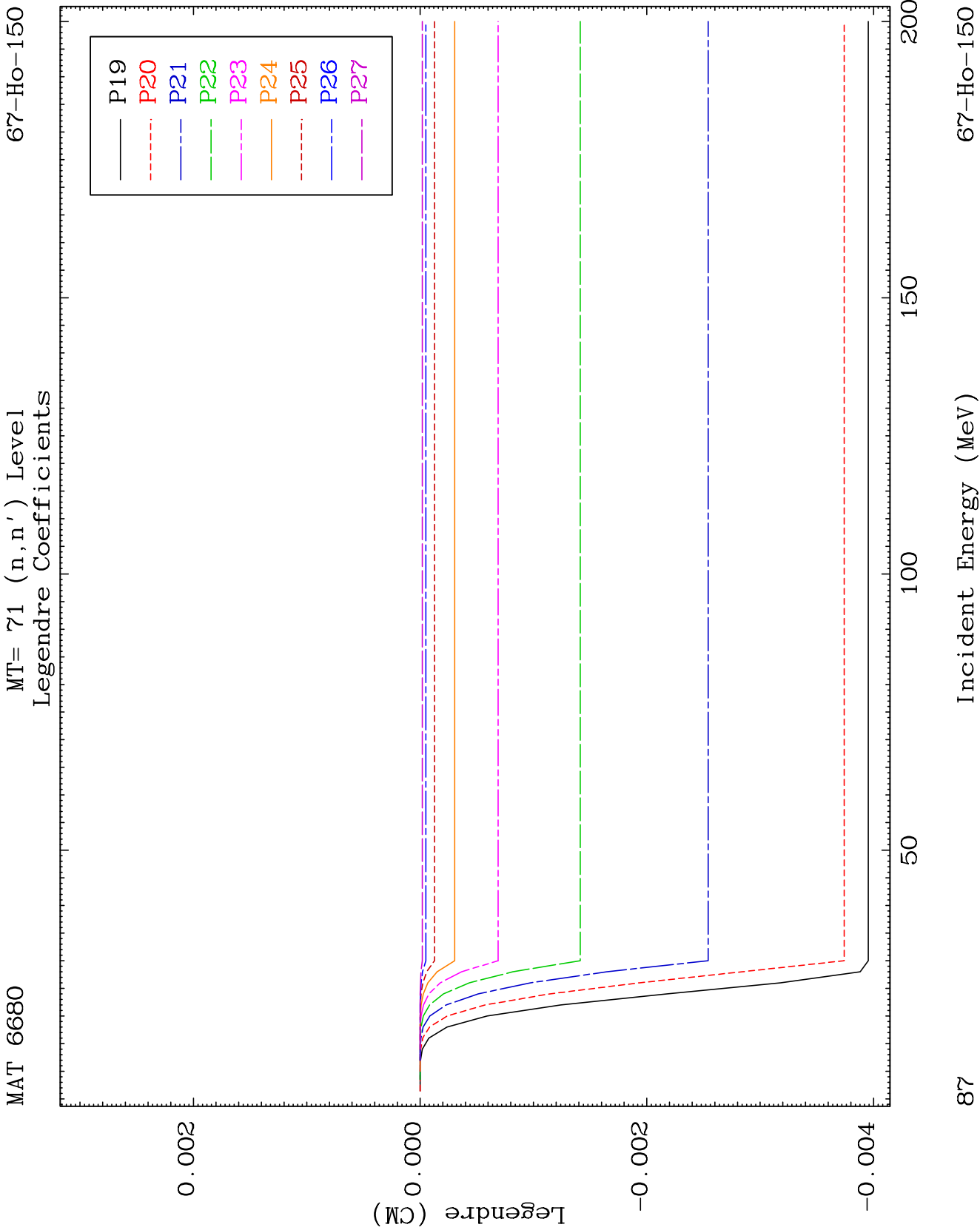




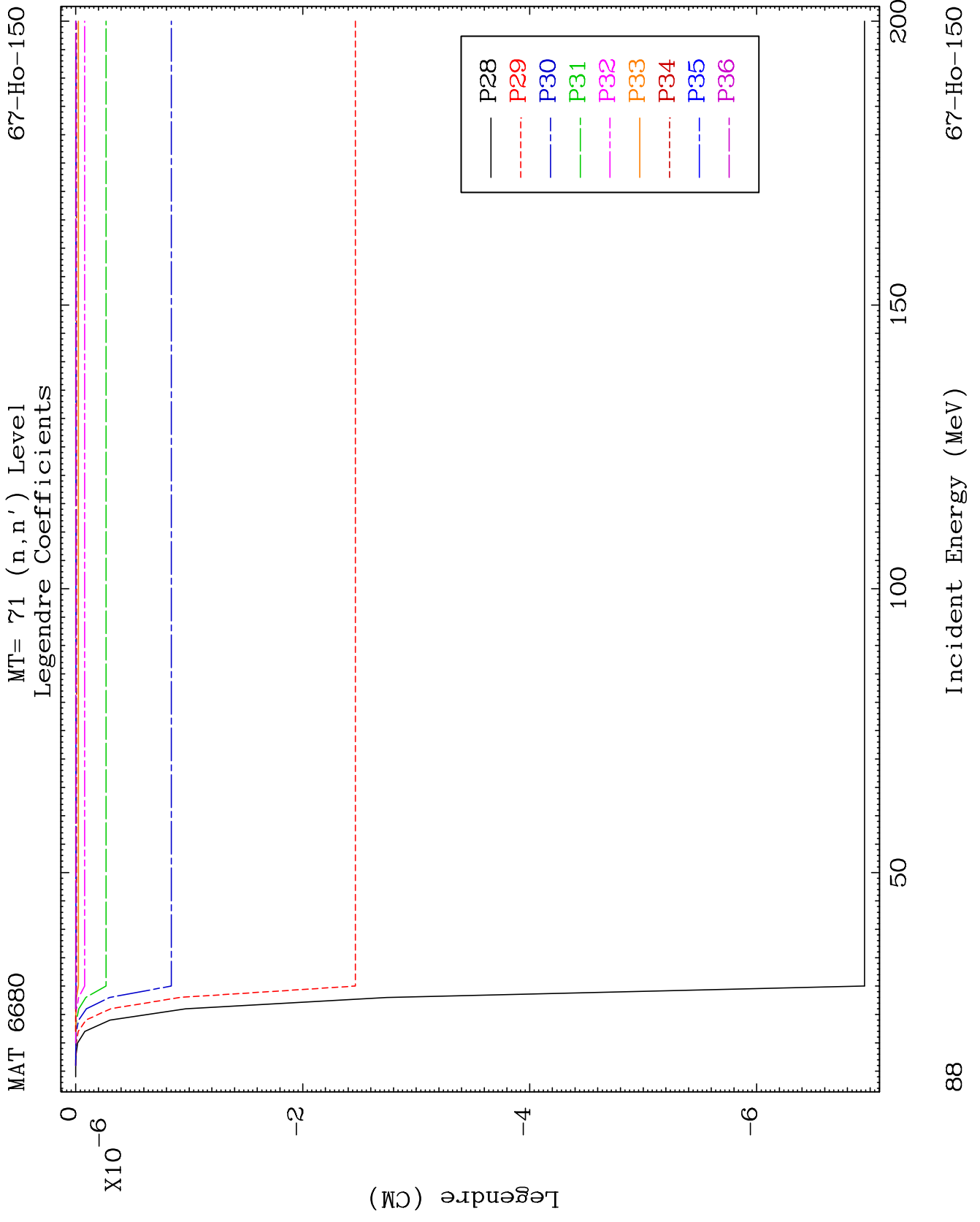


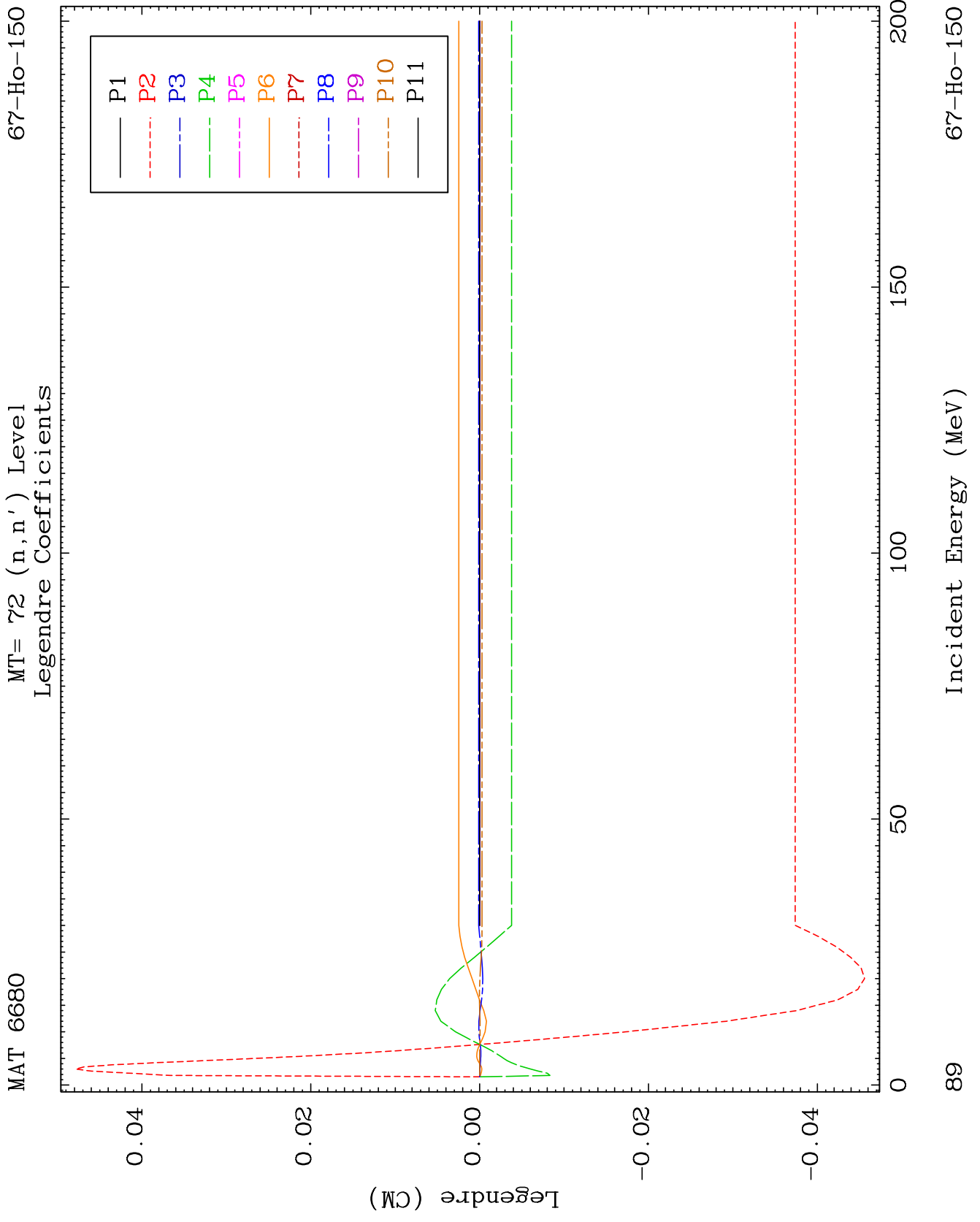








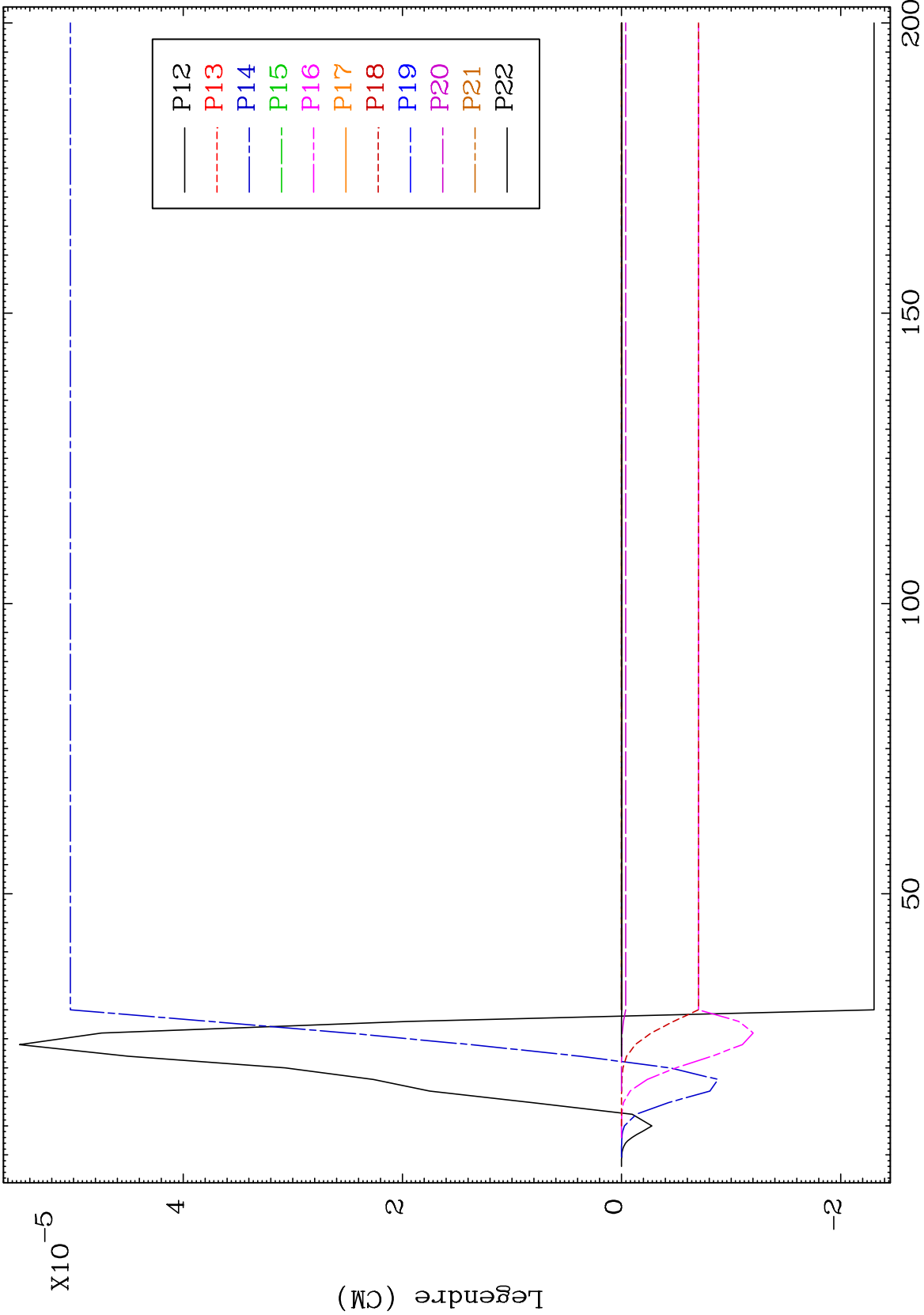




MAT 6680

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

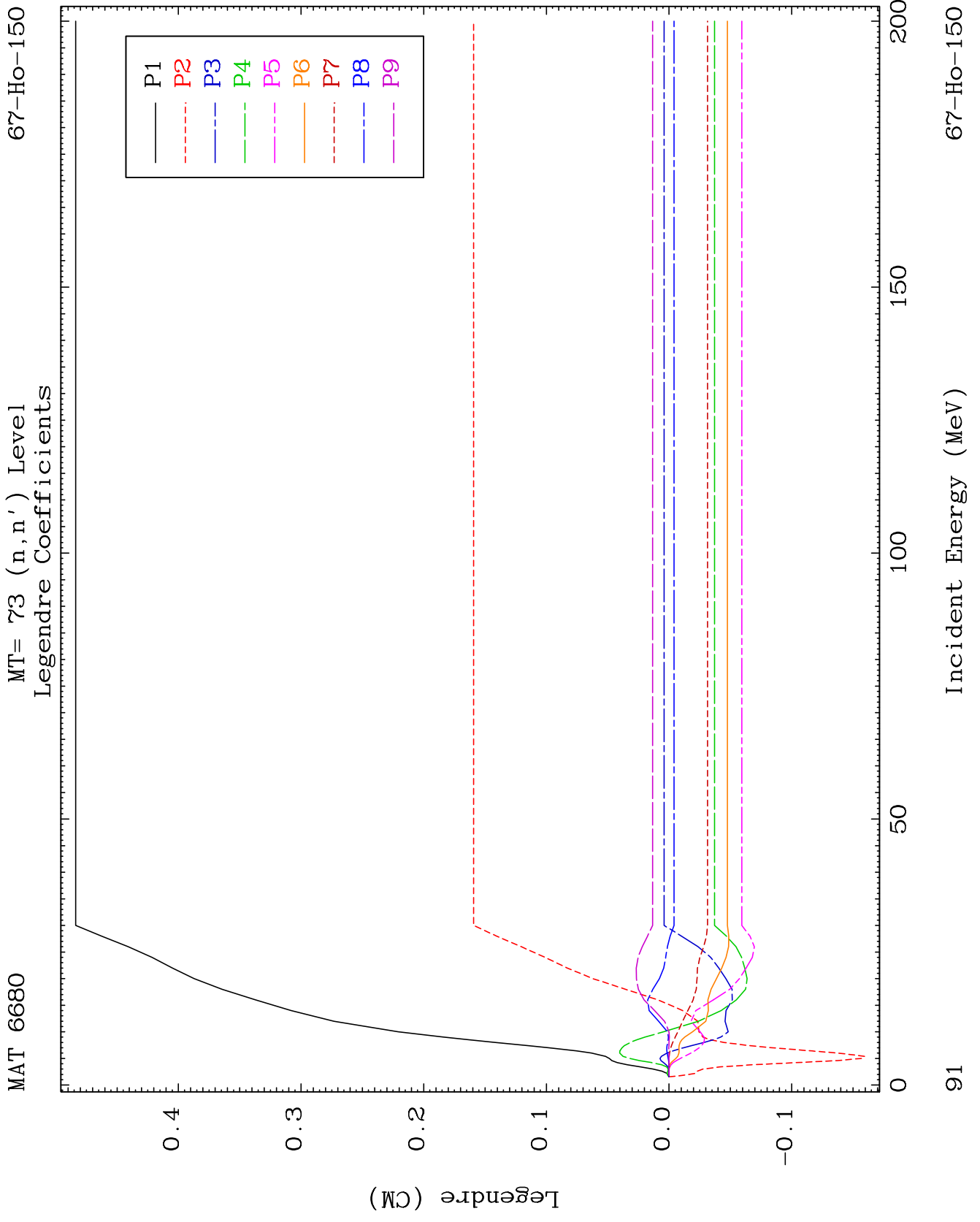
67-Ho-150



90

Incident Energy (MeV)

67-Ho-150

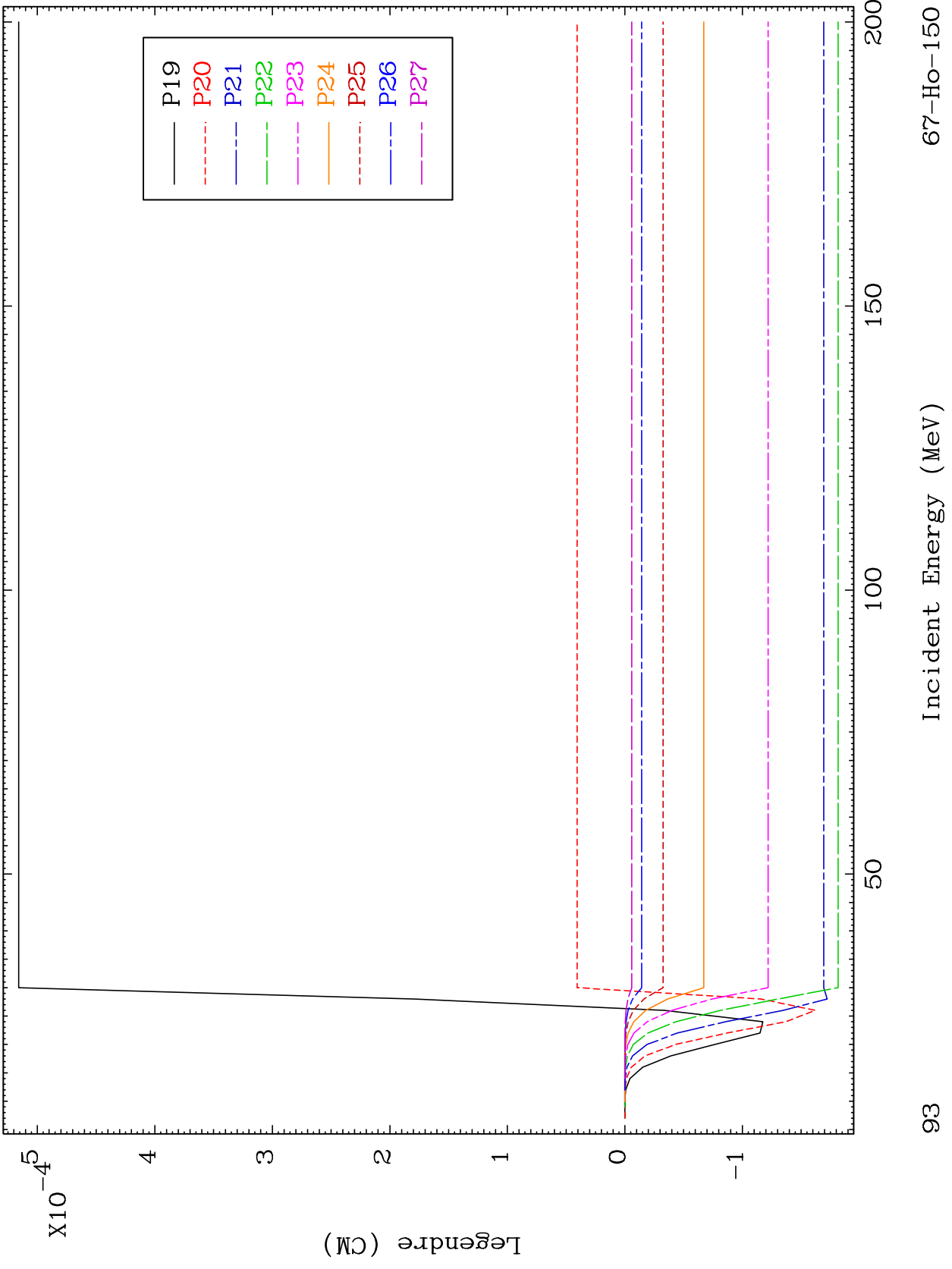


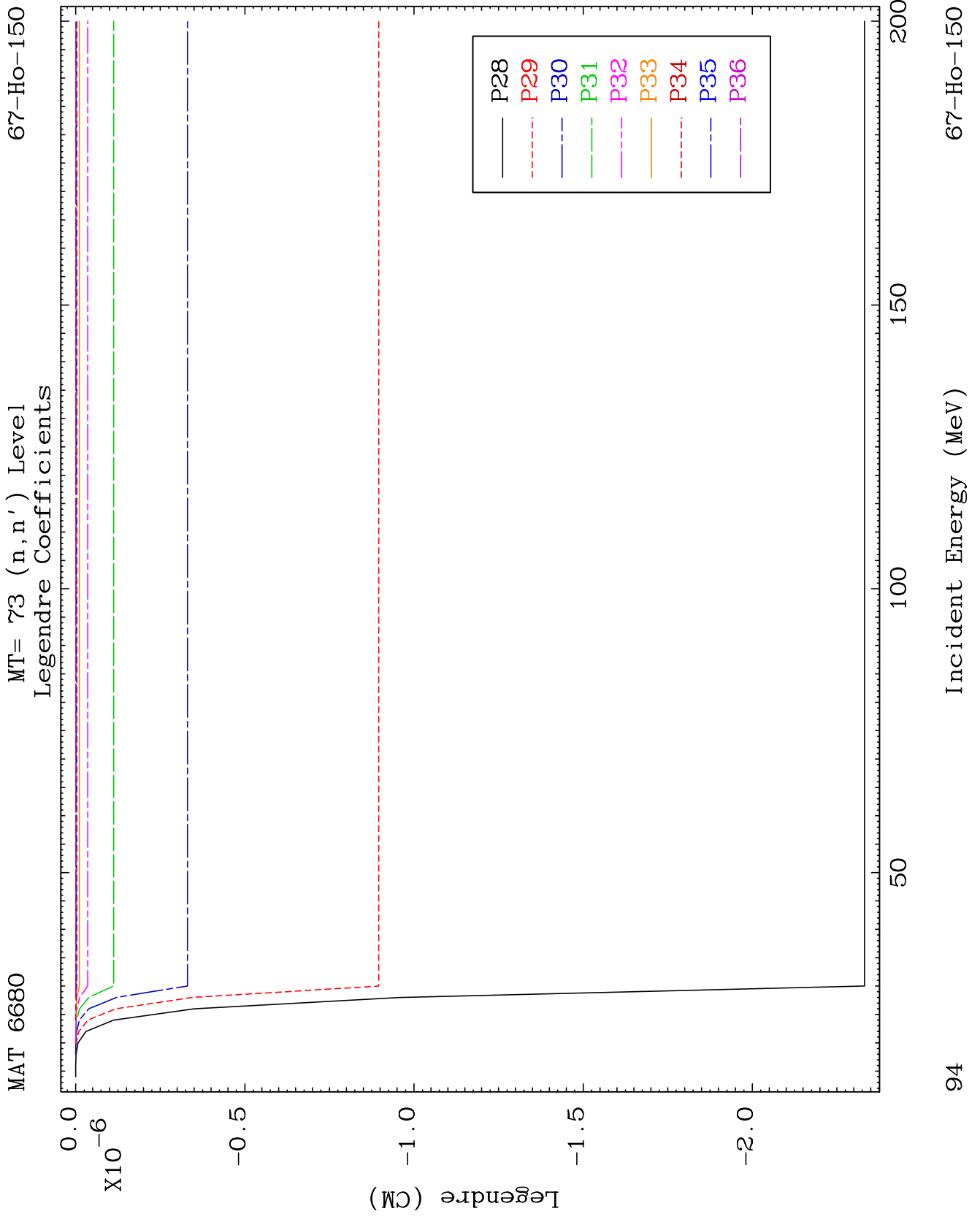


MAT 6680

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

67-Ho-150





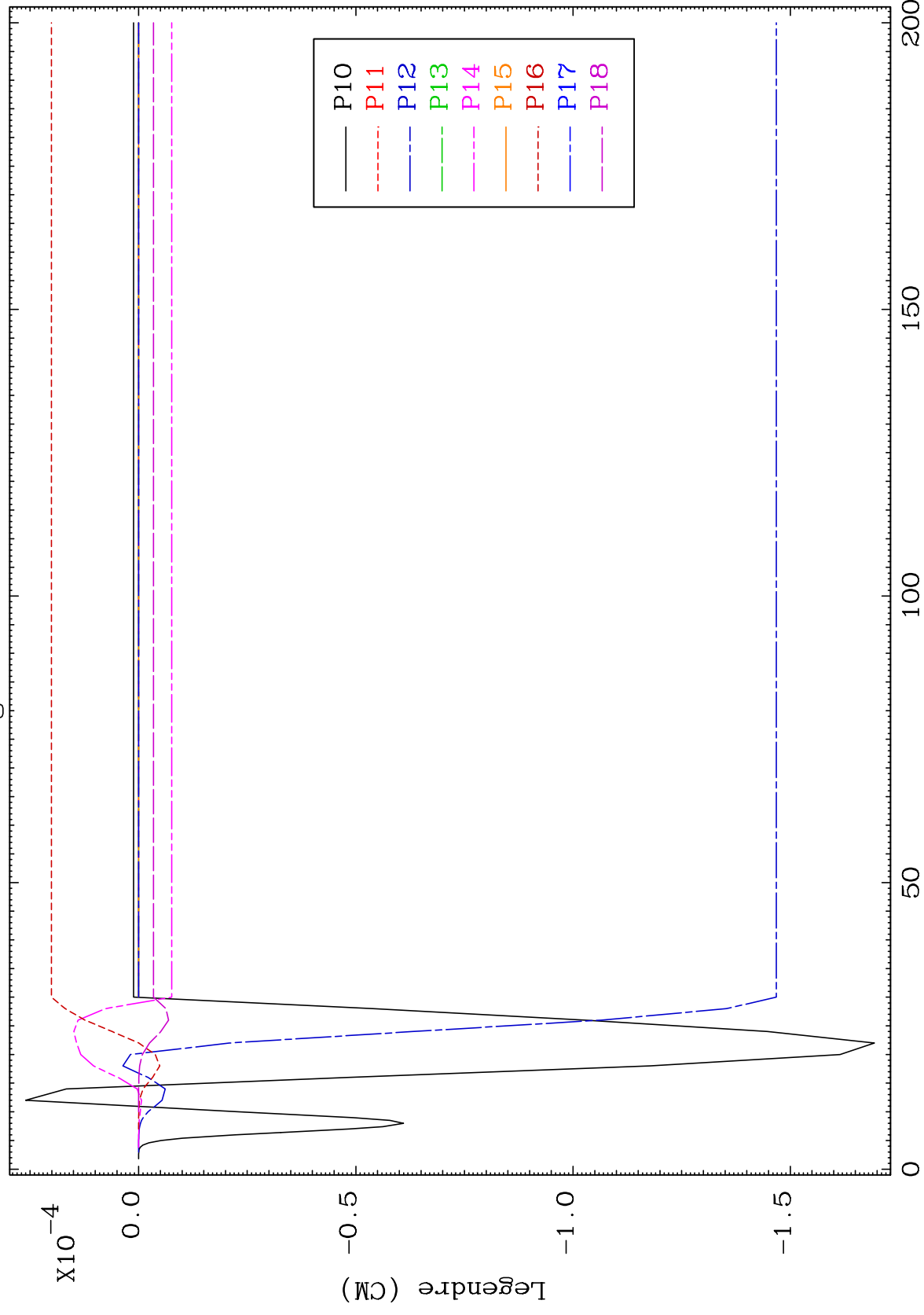




MAT 6680

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

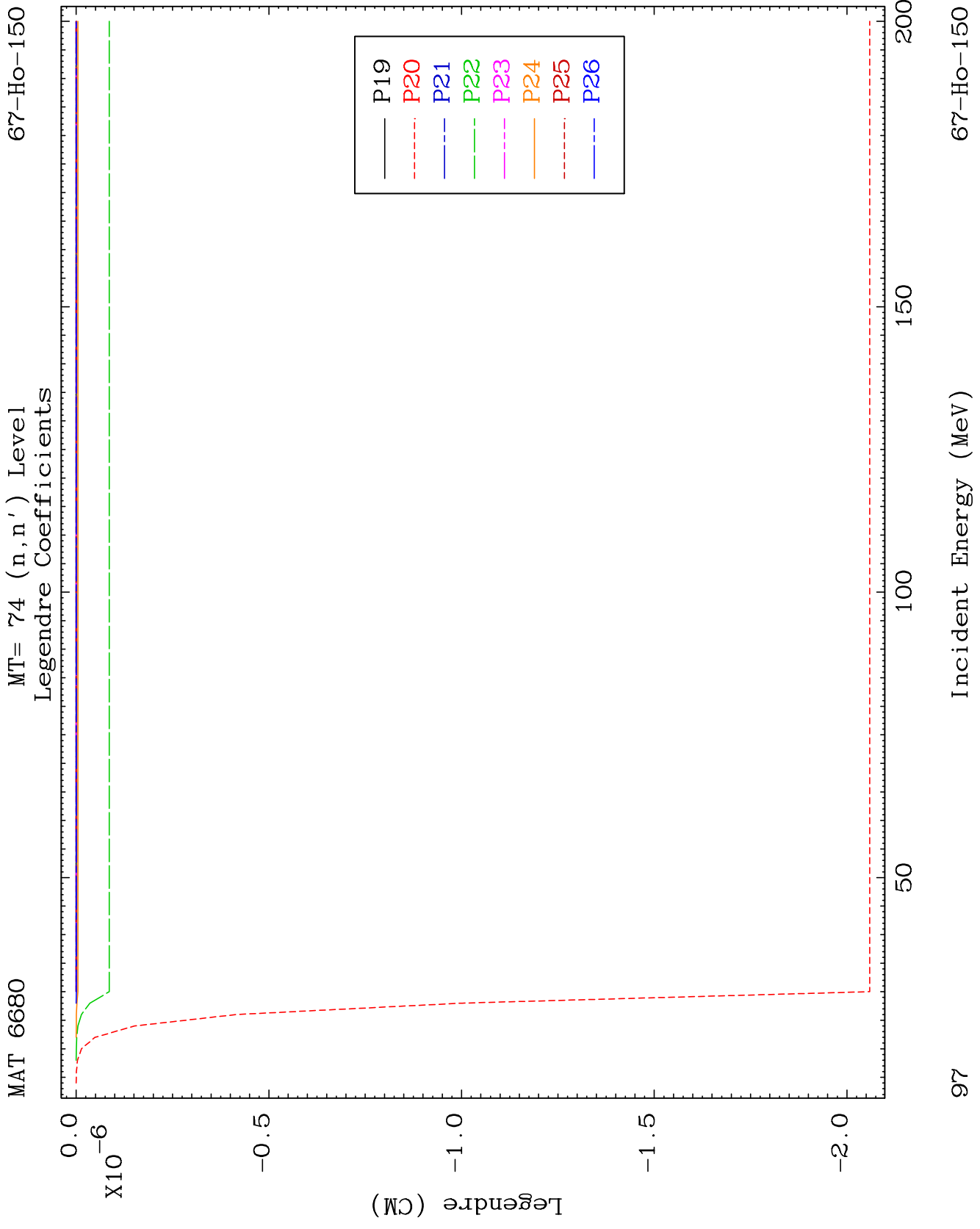
67-Ho-150



96

Incident Energy (MeV)

67-Ho-150

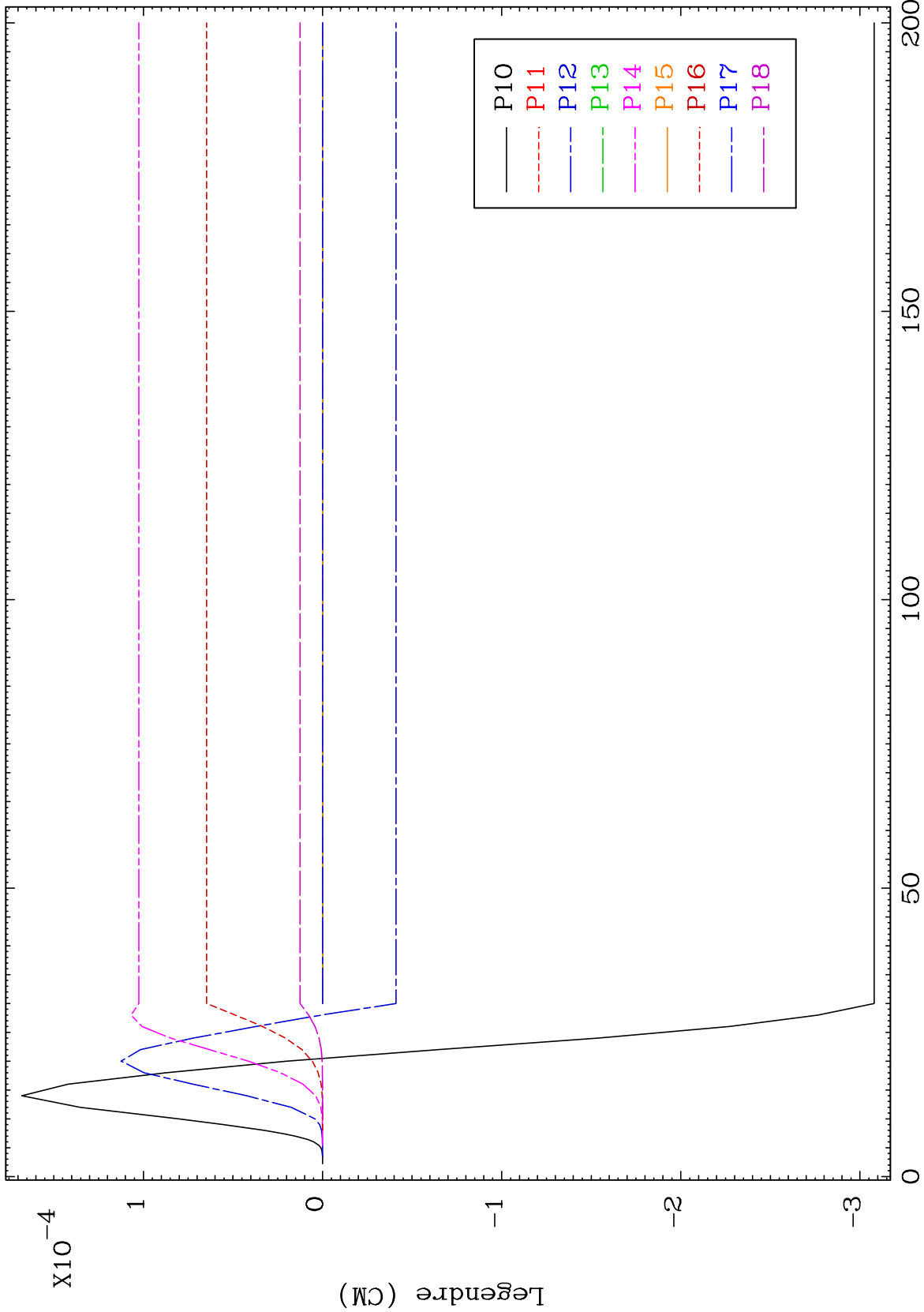




MAT 6680

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

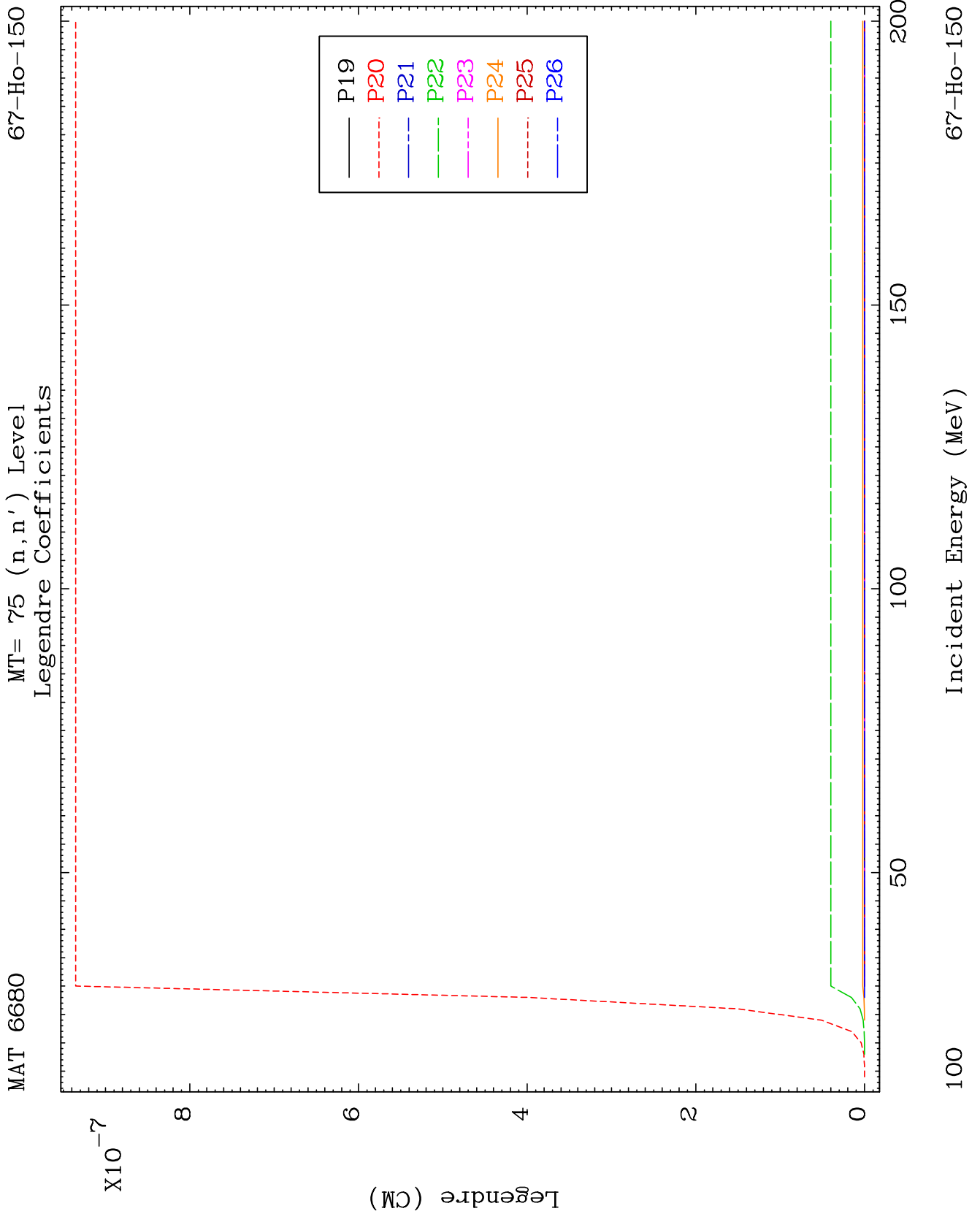
67-Ho-150



99

Incident Energy (MeV)

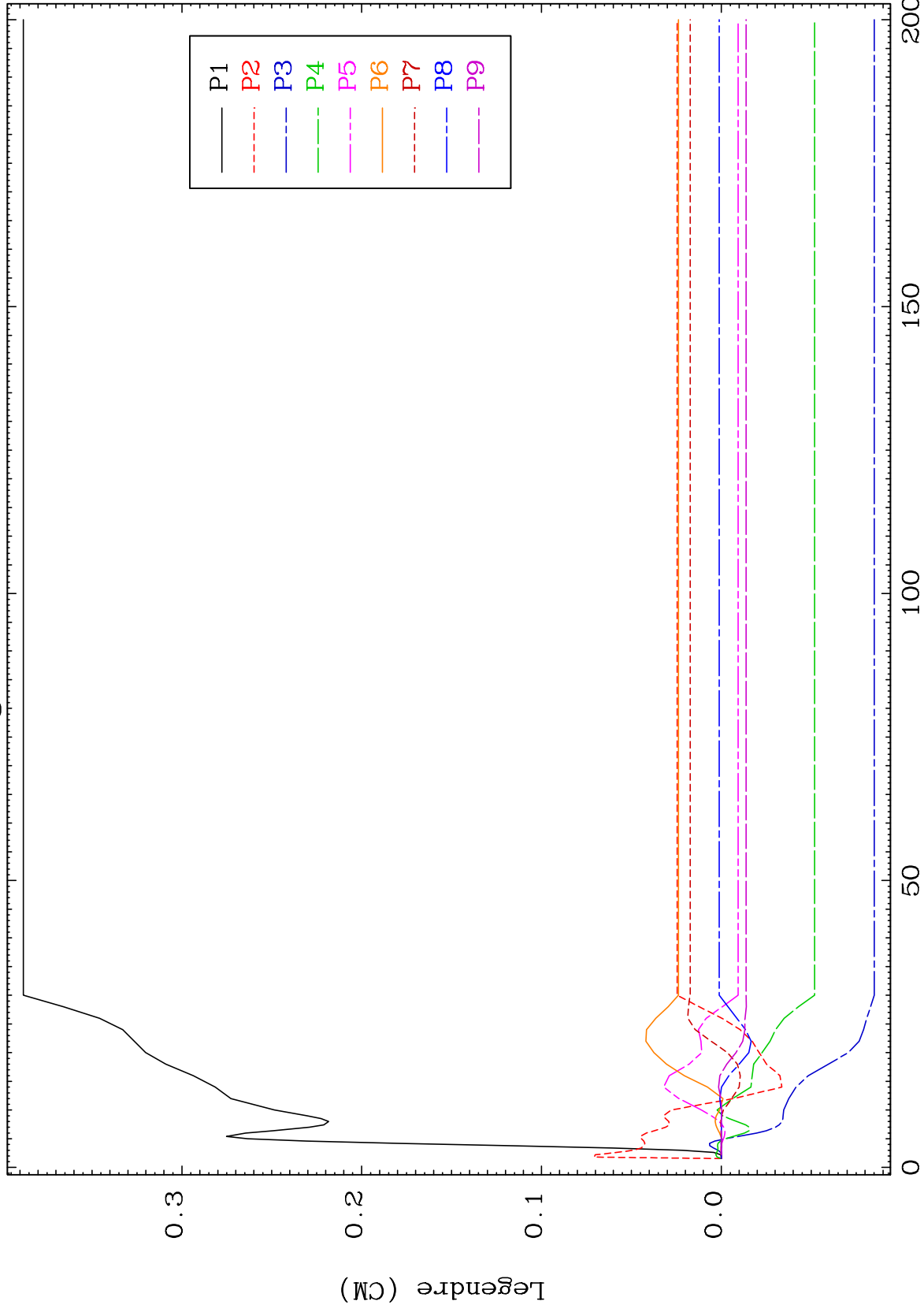
67-Ho-150



MAT 6680

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

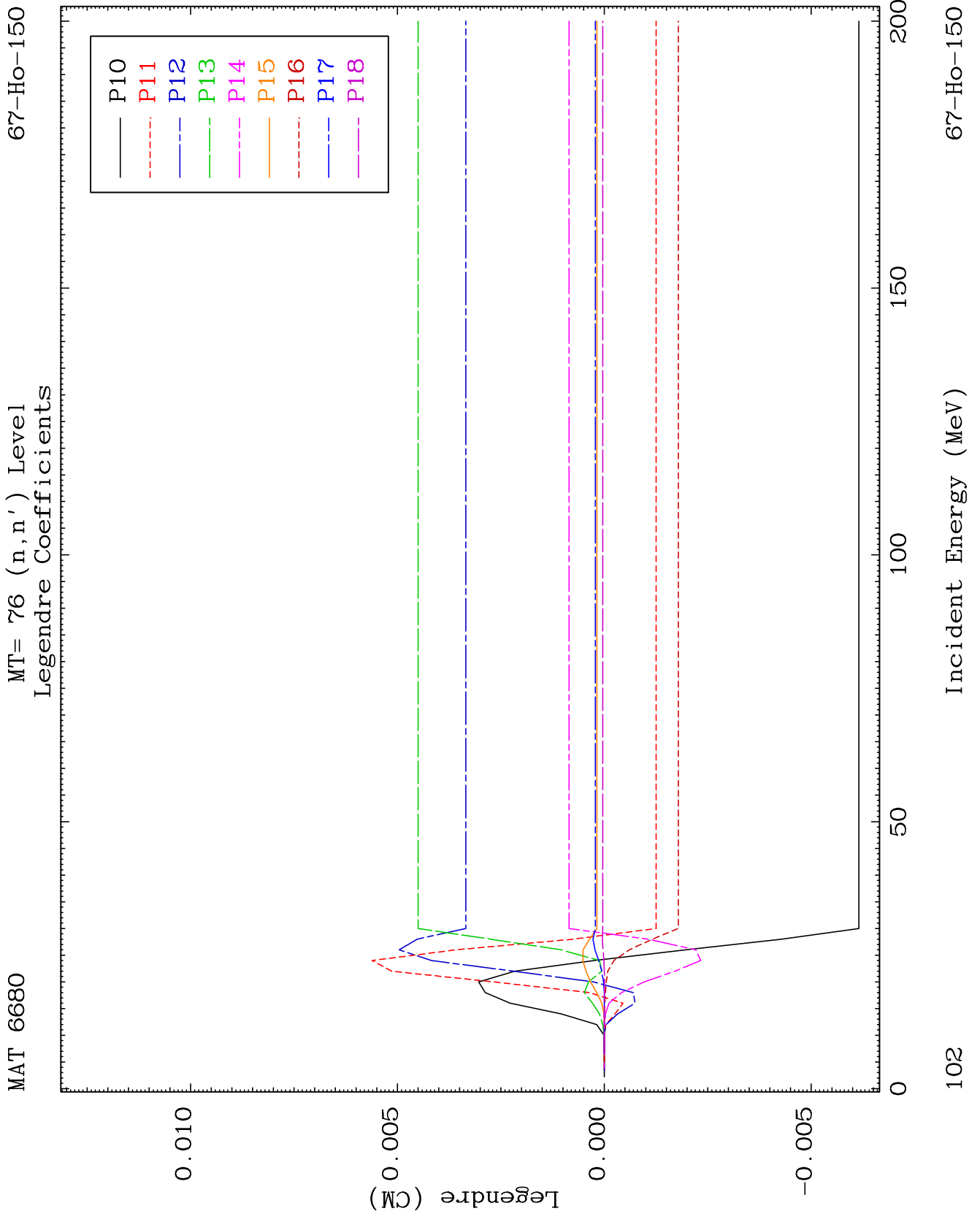
67-Ho-150



101

Incident Energy (MeV)

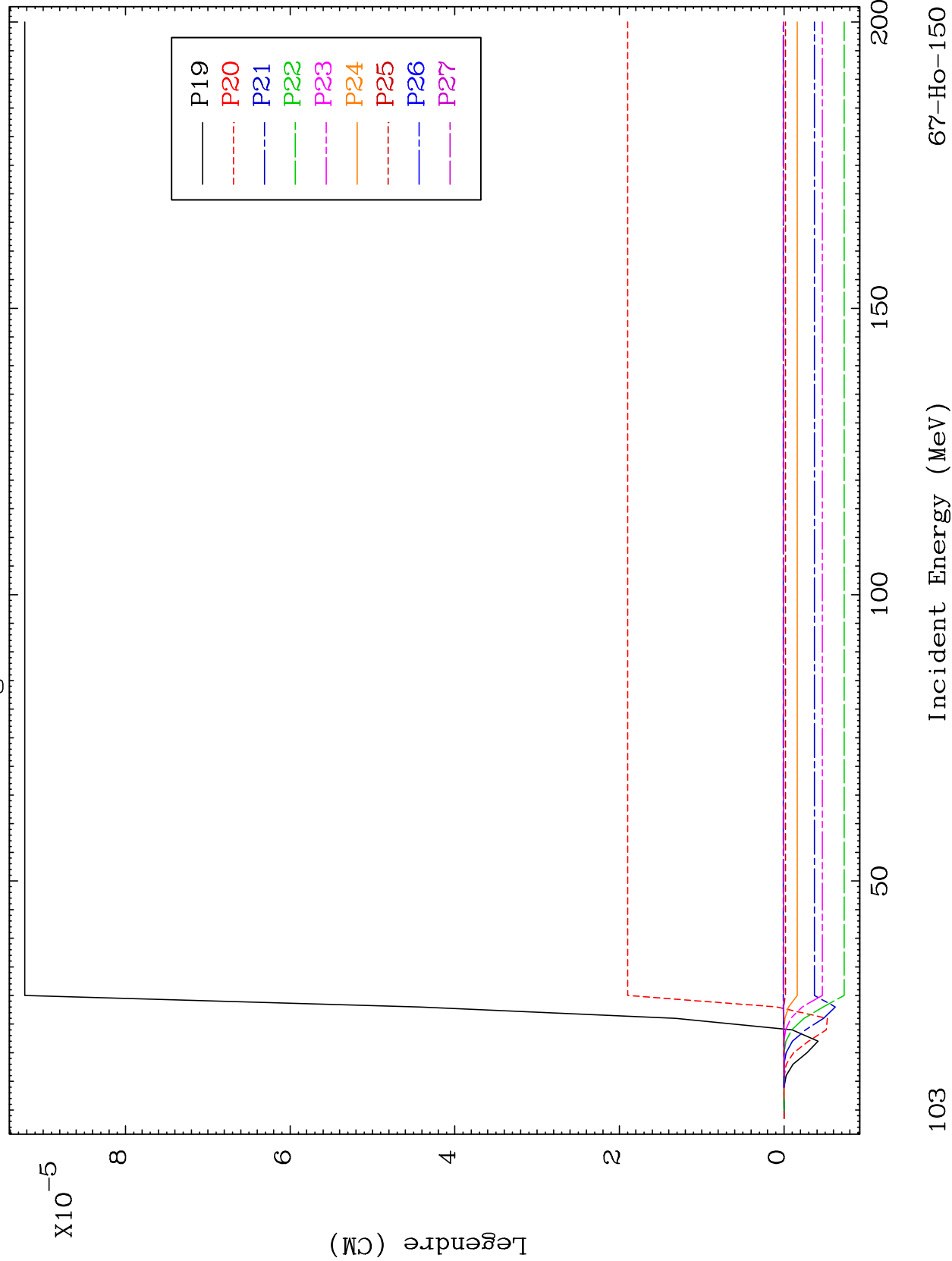
67-Ho-150



MAT 6680

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

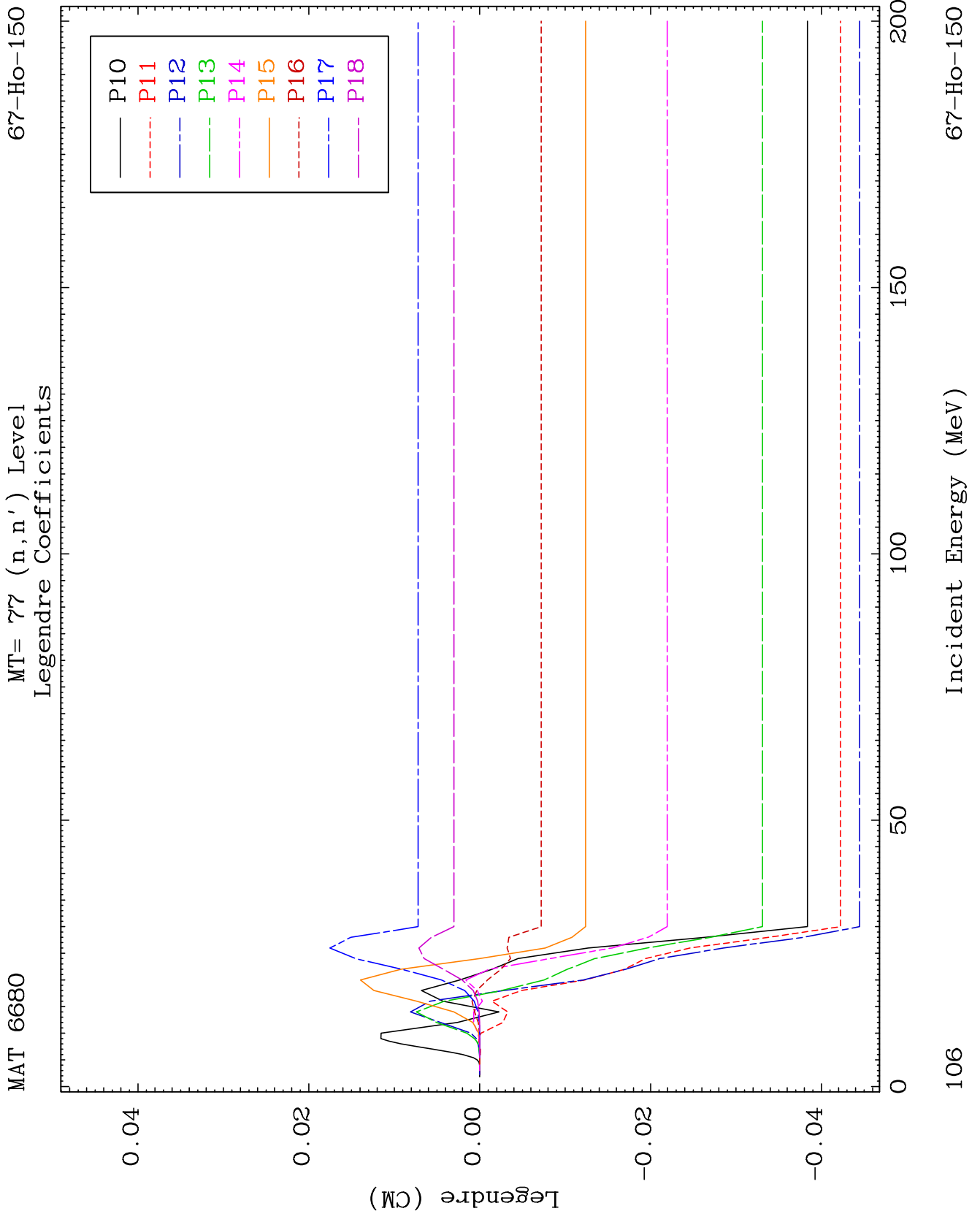
67-Ho-150







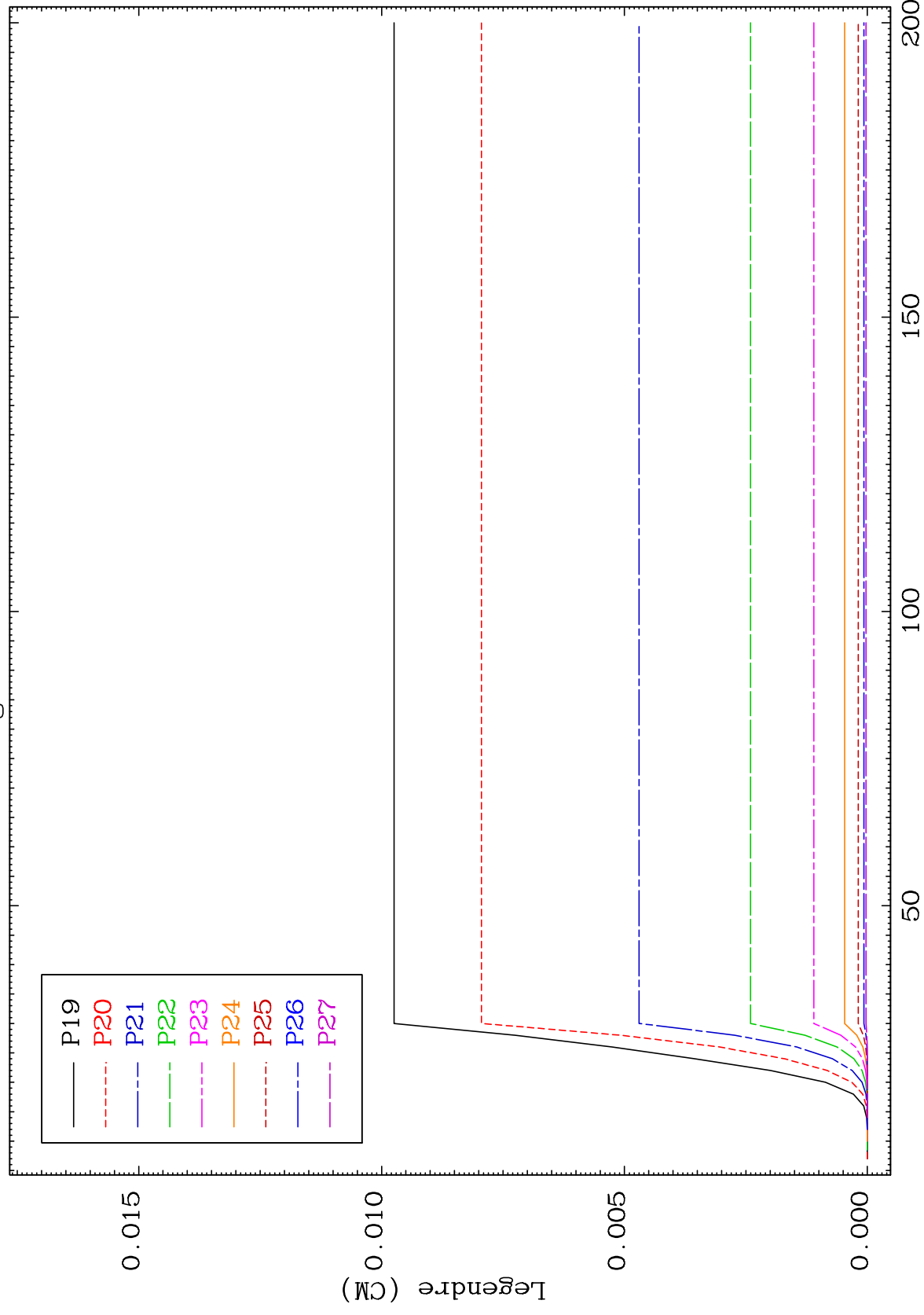




MAT 6680

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

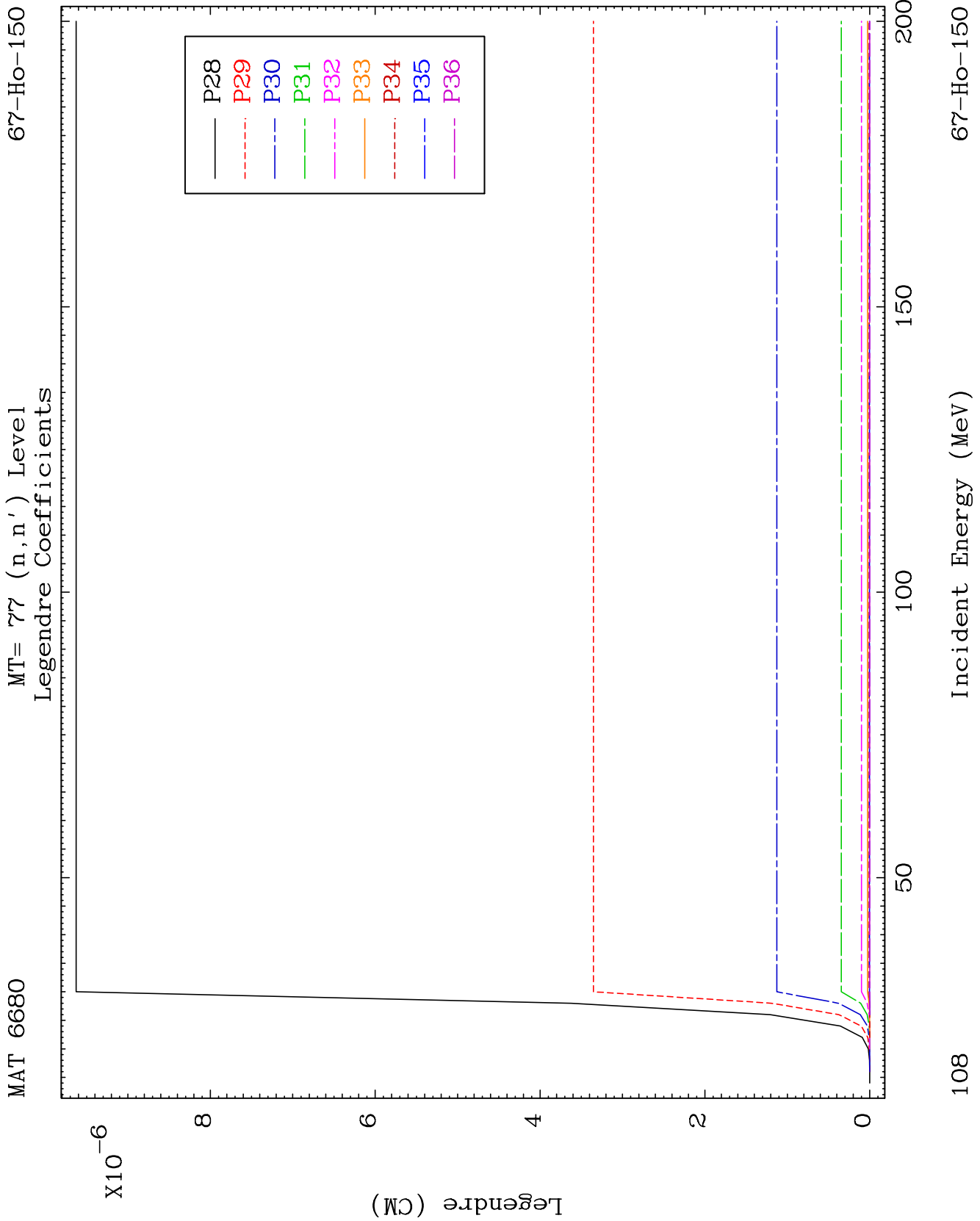
67-Ho-150



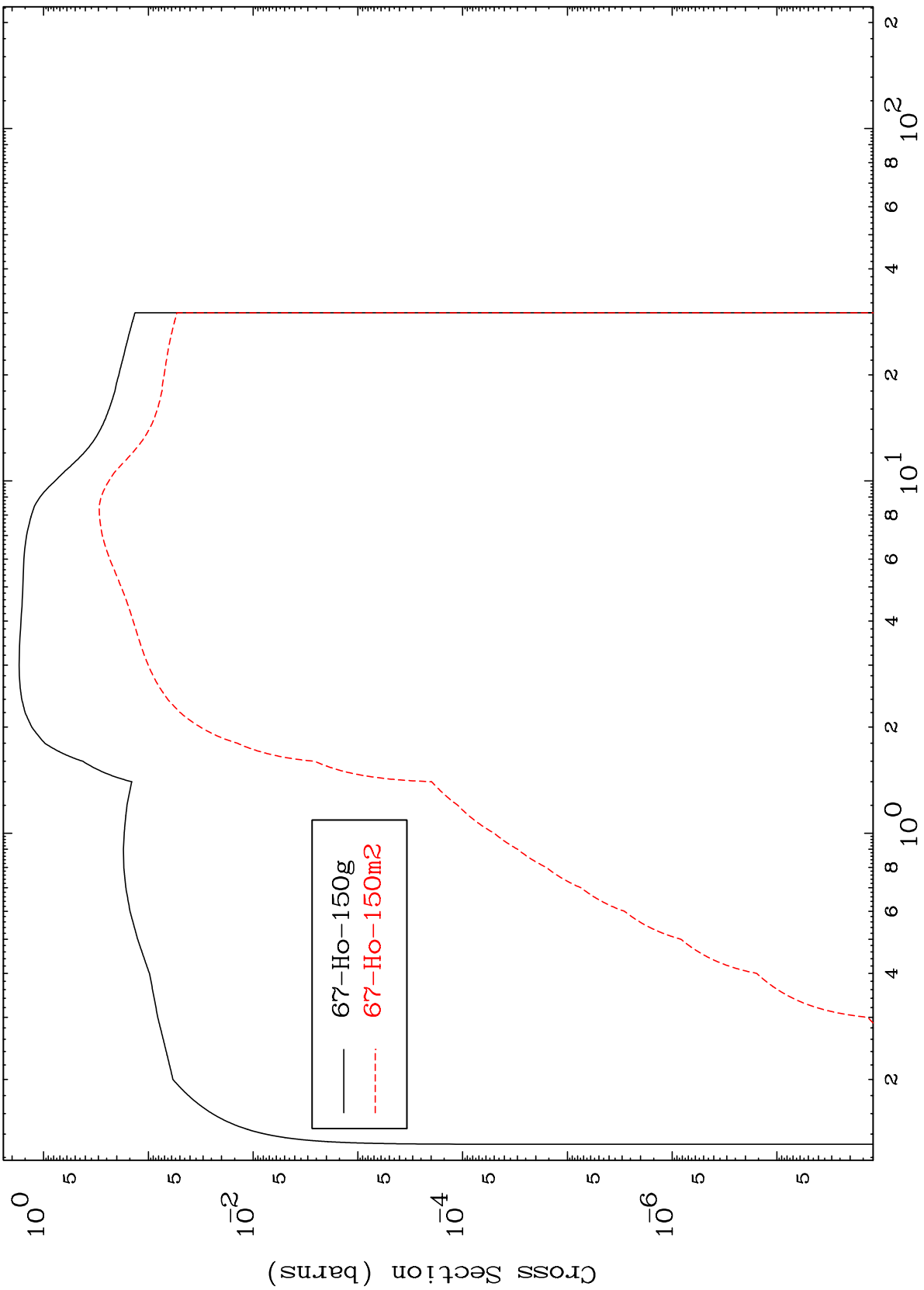
67-Ho-150

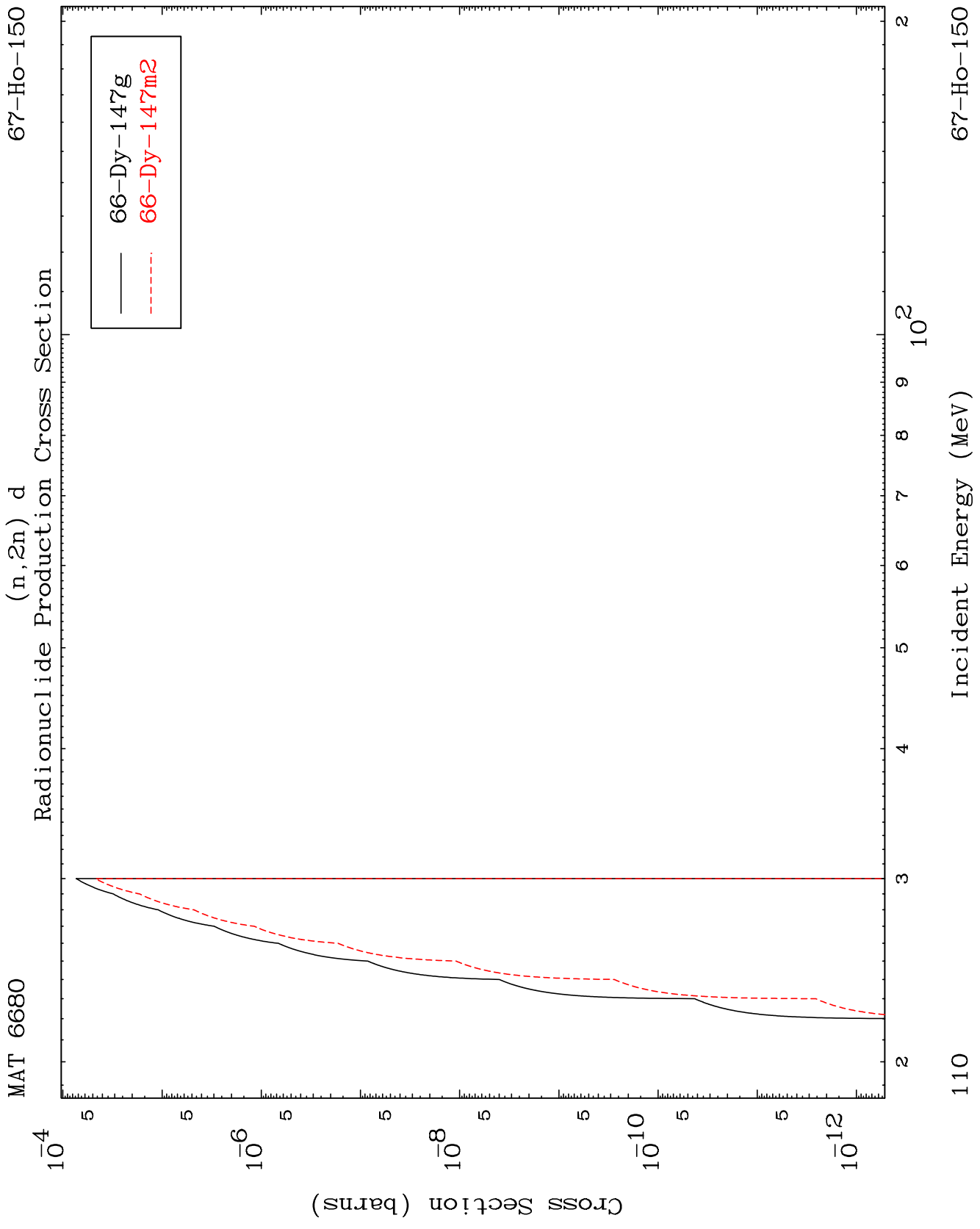
Incident Energy (MeV)

107



Inelastic  
Radionuclide Production Cross Section



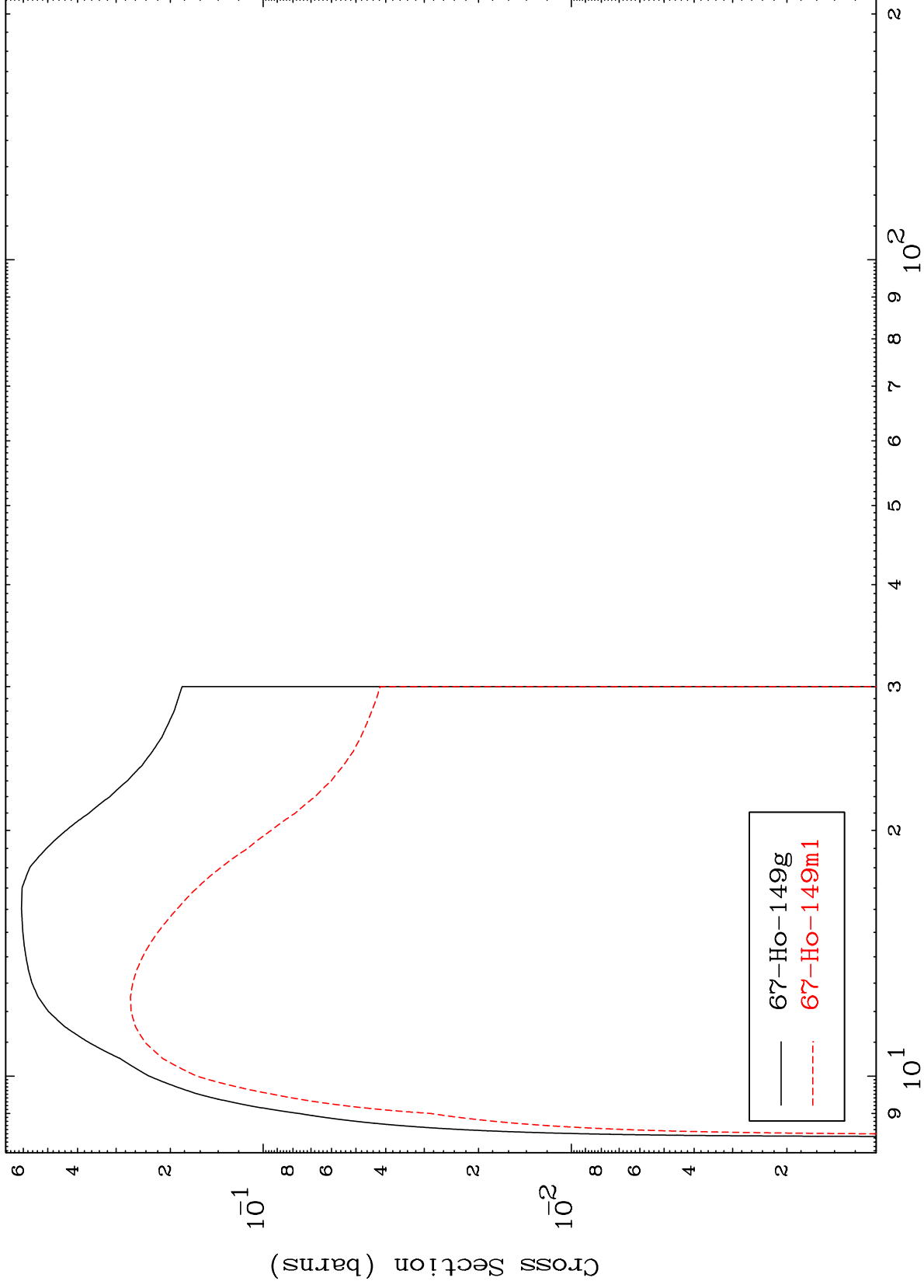


MAT 6680

(n,2n)

<sup>67</sup>Ho-150

Radionuclide Production Cross Section



111

Incident Energy (MeV)

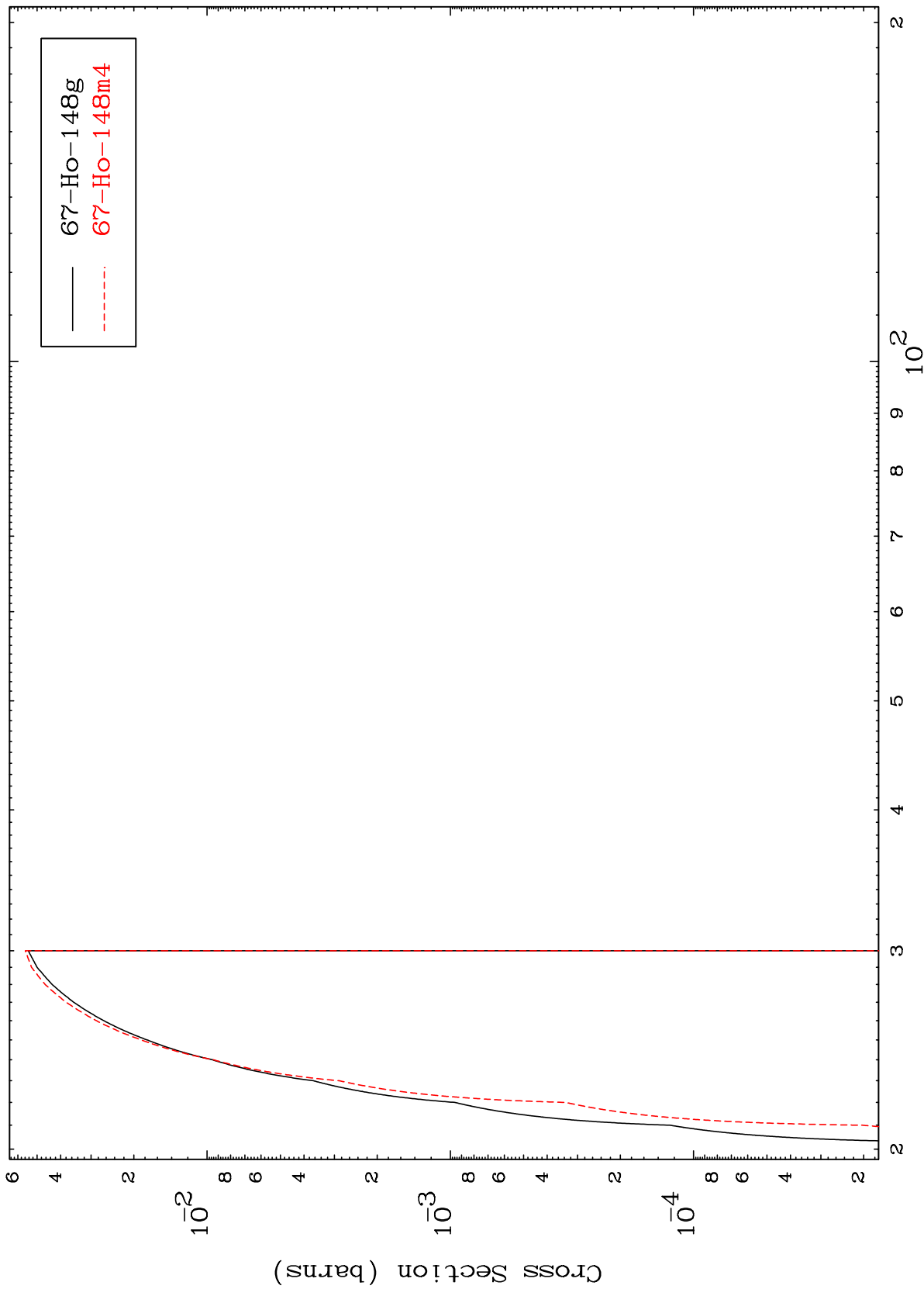
<sup>67</sup>Ho-150



MAT 6680

67-Ho-150

(n,3n)  
Radionuclide Production Cross Section



67-Ho-148g  
67-Ho-148m4

67-Ho-150

Incident Energy (MeV)

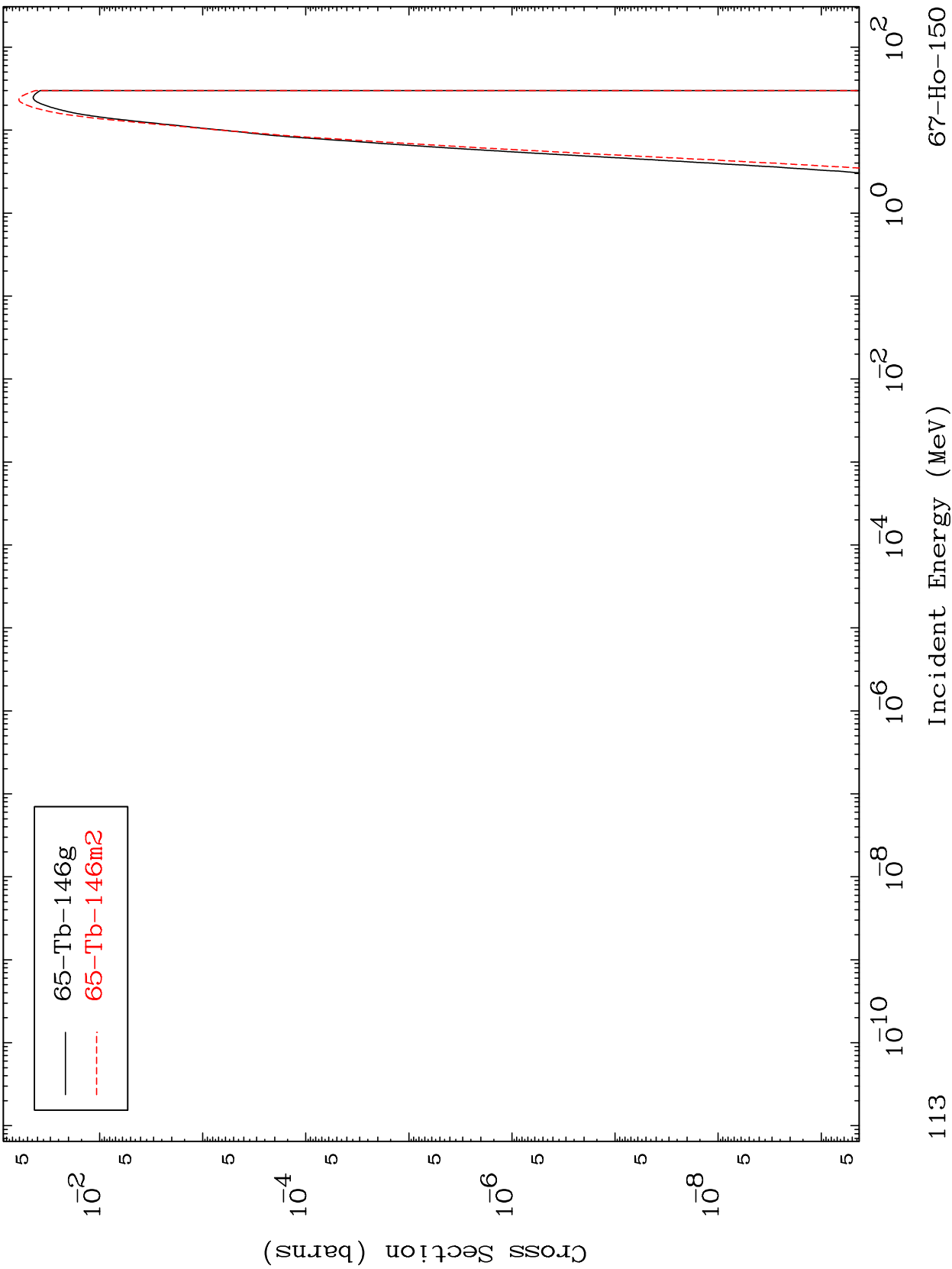
112

MAT 6680

$(n, n') \alpha$

67-Ho-150

Radionuclide Production Cross Section



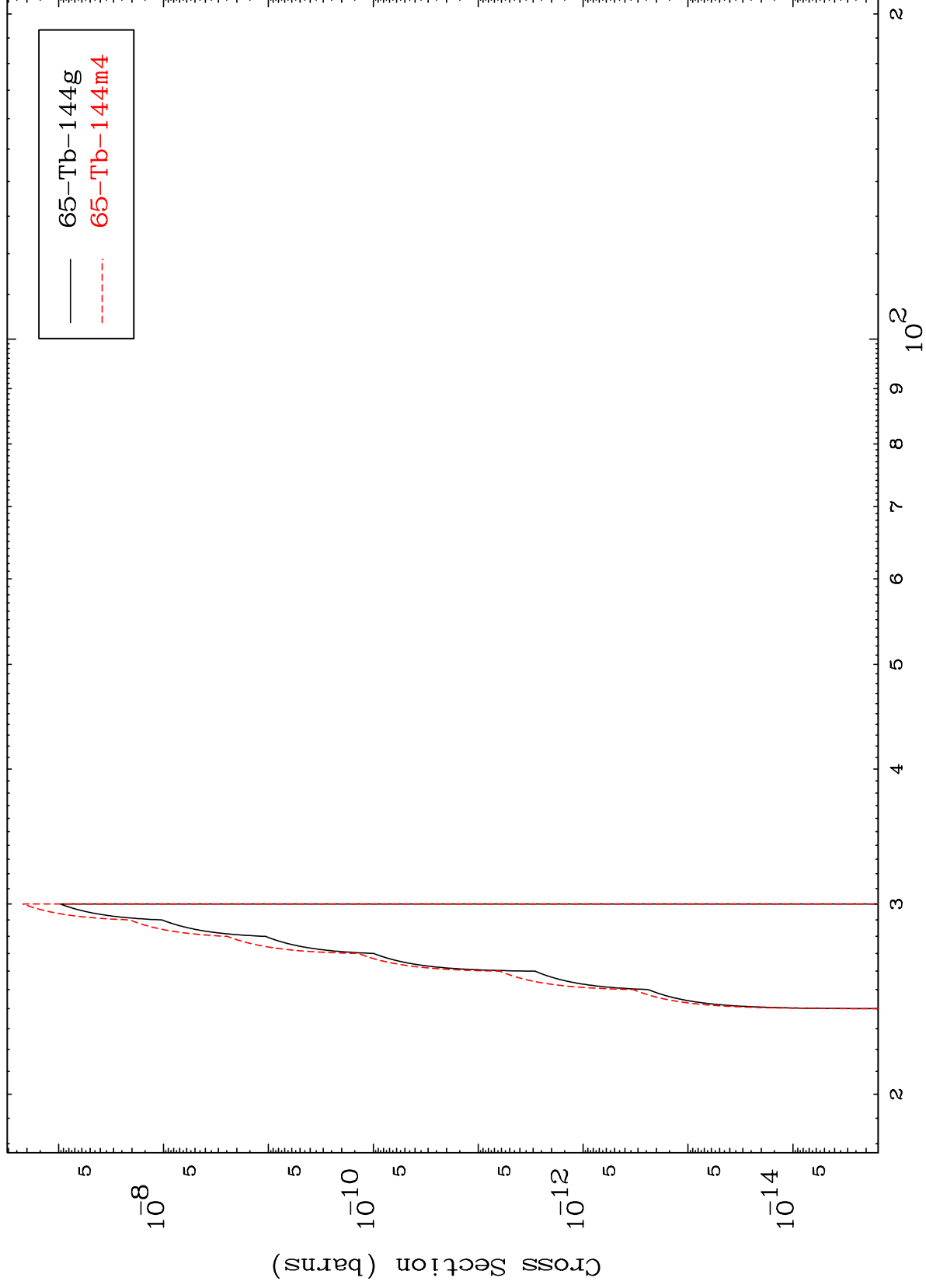
65-Tb-146g  
65-Tb-146m2

MAT 6680

$(n,3n) \alpha$

67-Ho-150

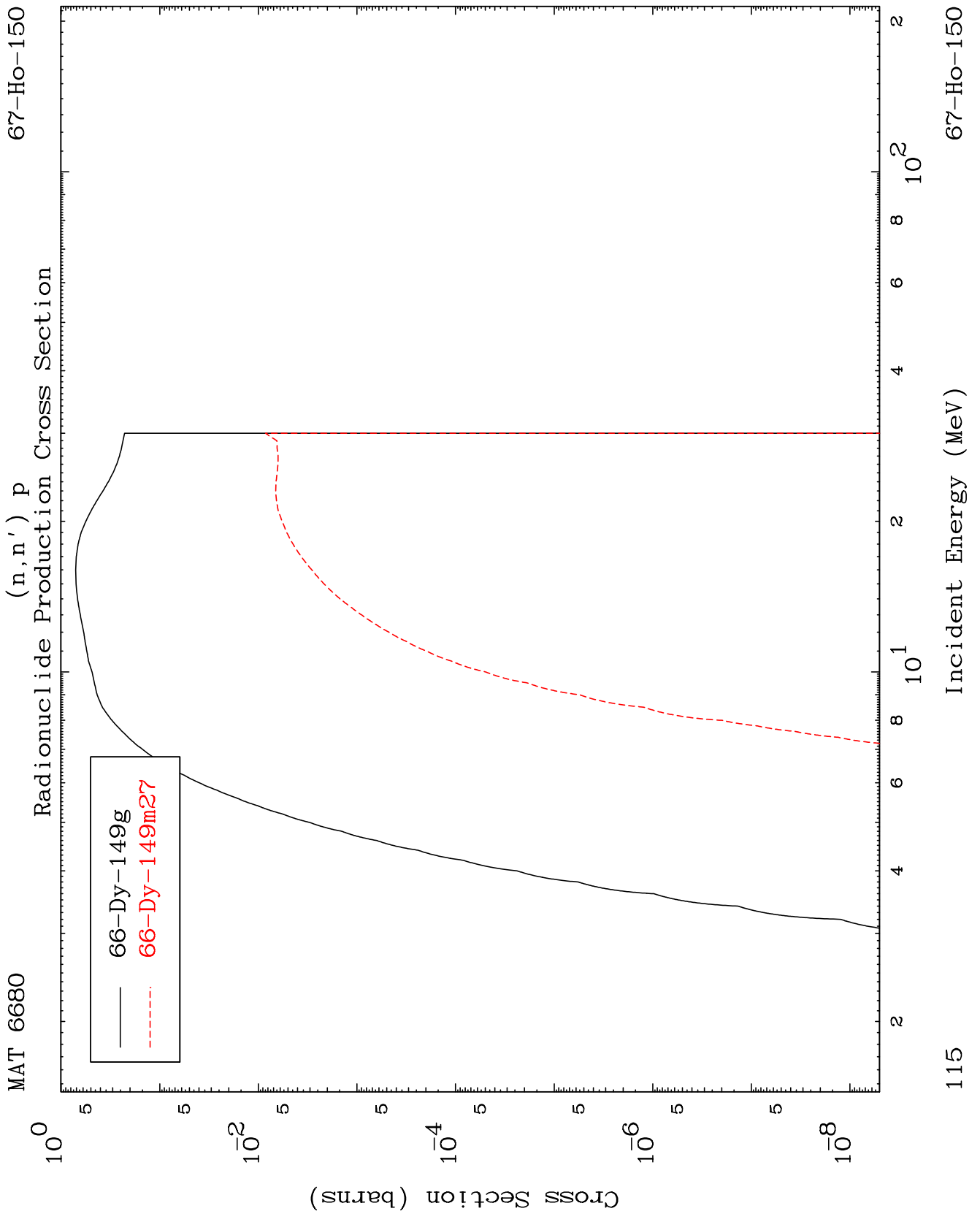
Radionuclide Production Cross Section



114

Incident Energy (MeV)

67-Ho-150

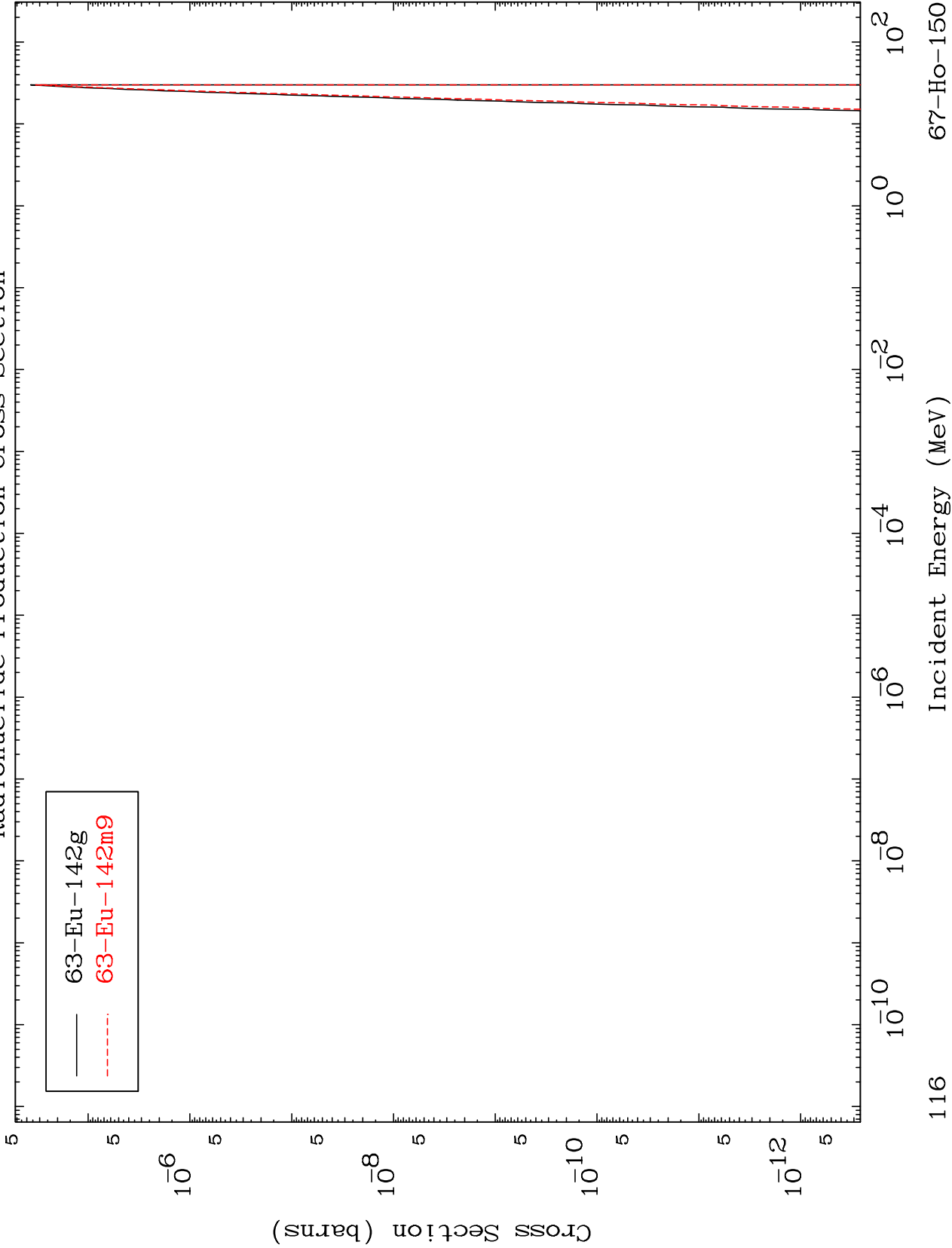


MAT 6680

$(n, n')$   $2\alpha$

$^{67}\text{Ho-150}$

Radionuclide Production Cross Section

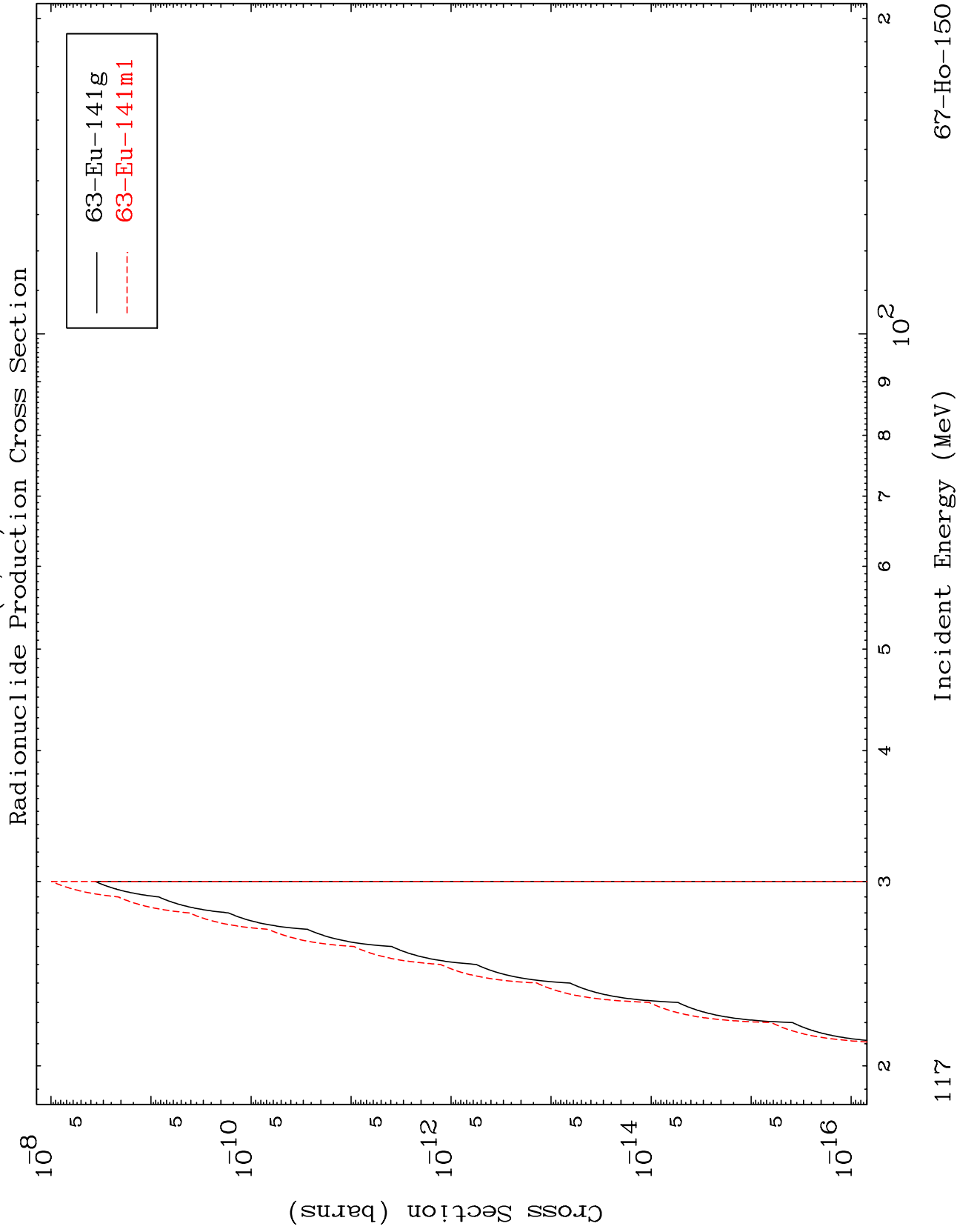


—  $^{63}\text{Eu-142g}$   
- - -  $^{63}\text{Eu-142m9}$

MAT 6680

(n,2n) 2α

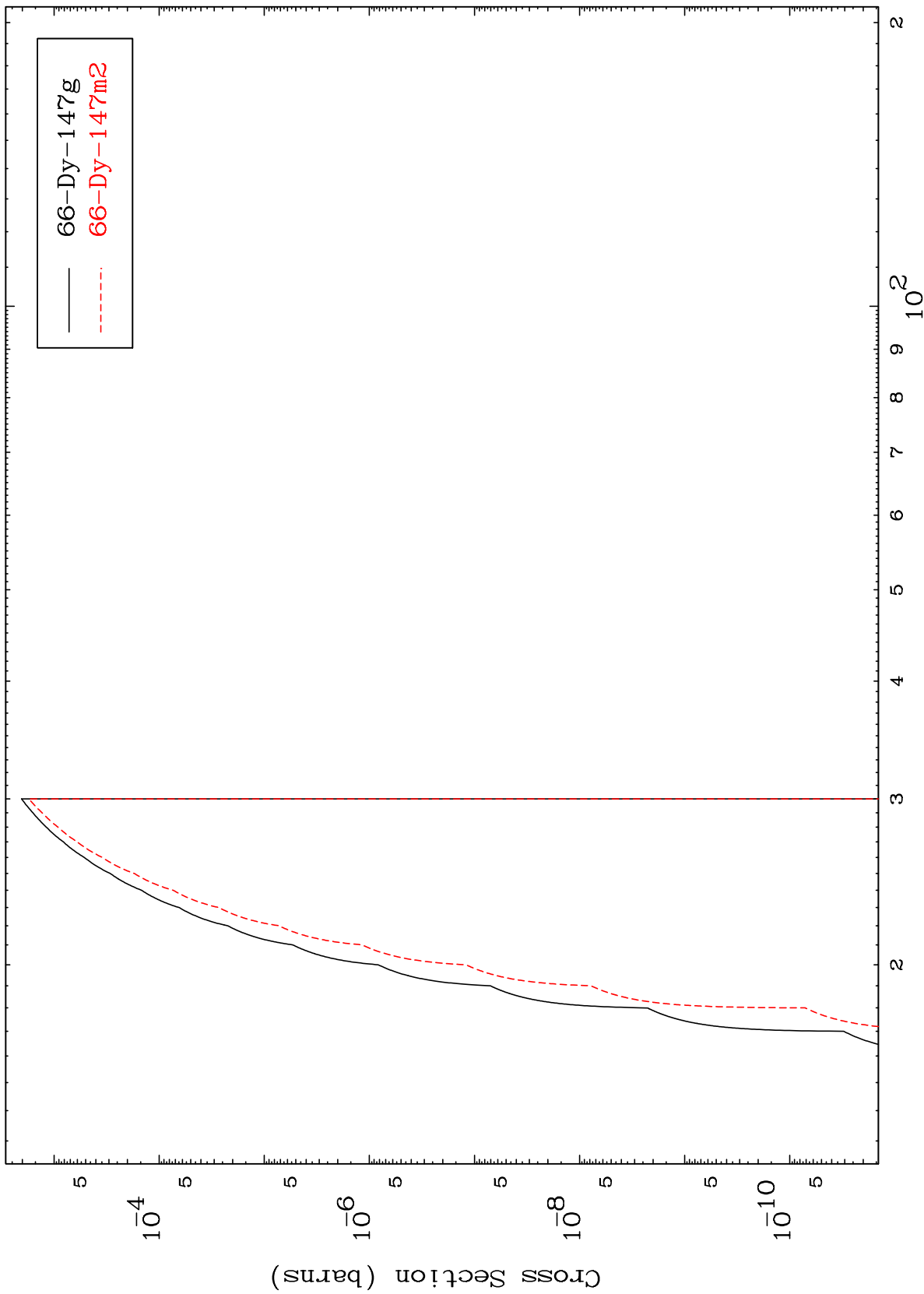
67-Ho-150



117

67-Ho-150

Radionuclide Production Cross Section

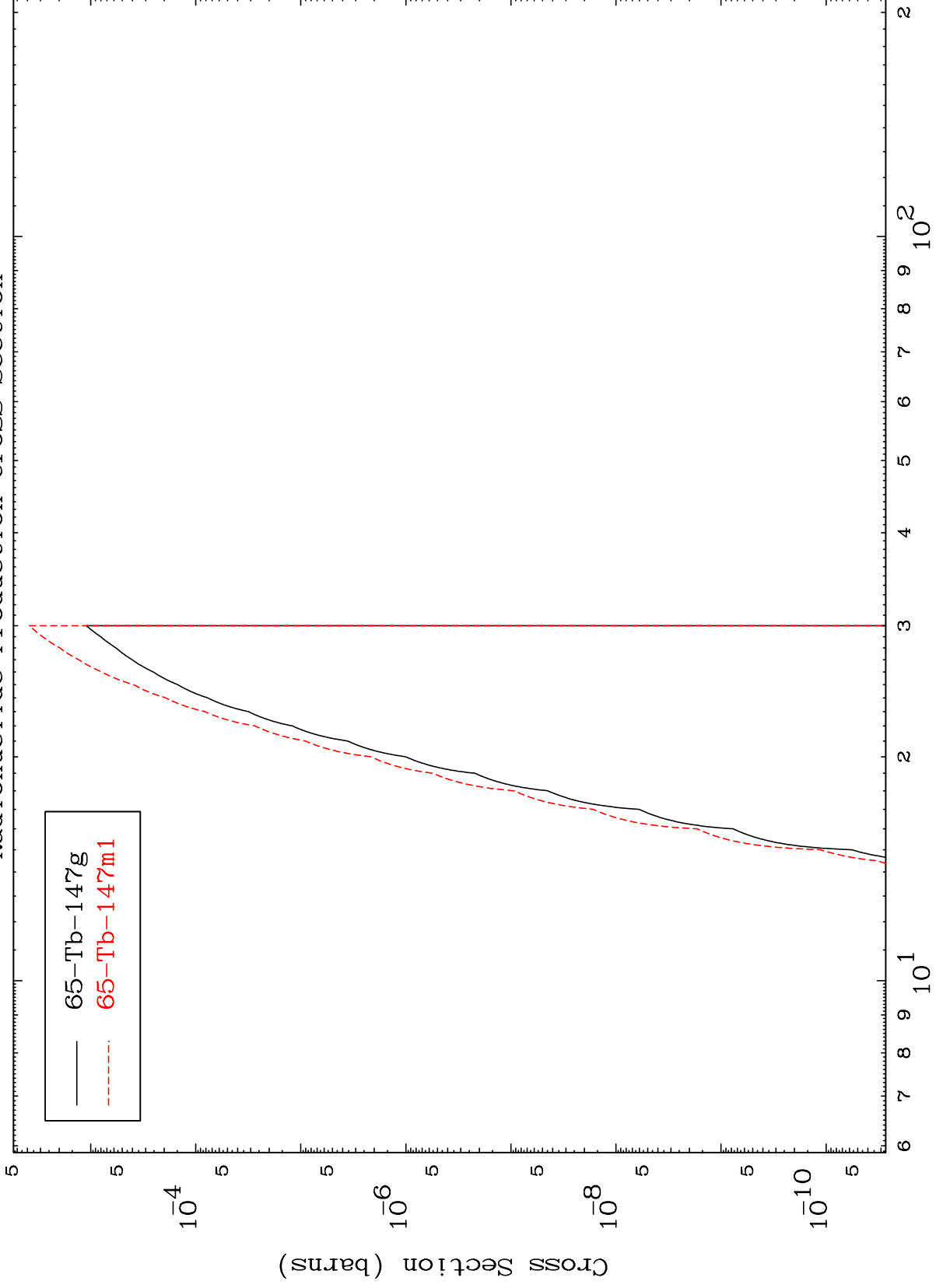


MAT 6680

(n,n') He-3

67-Ho-150

Radionuclide Production Cross Section



119

Incident Energy (MeV)

67-Ho-150

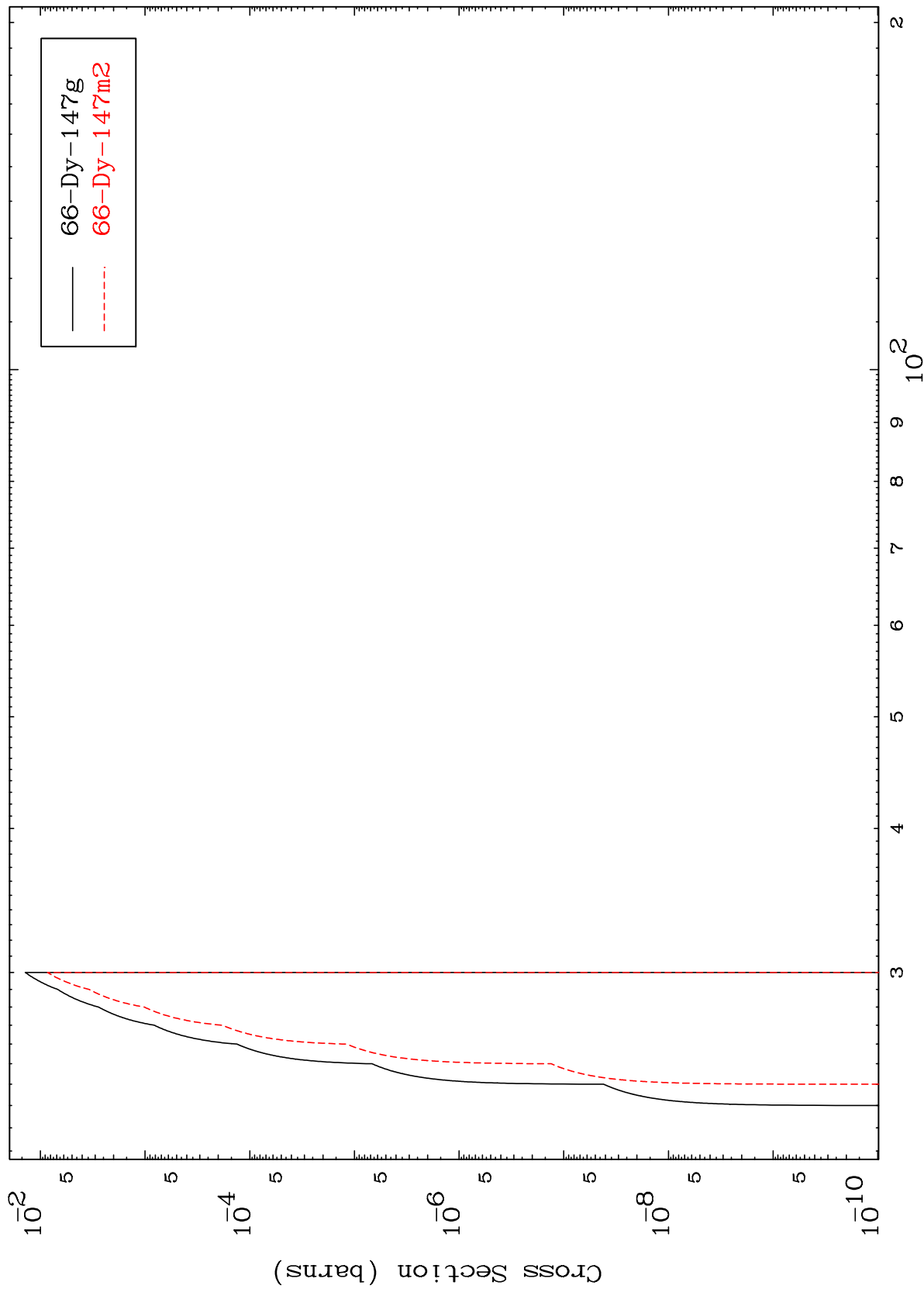


MAT 6680

(n,3n) p

67-Ho-150

Radionuclide Production Cross Section



120

Incident Energy (MeV)

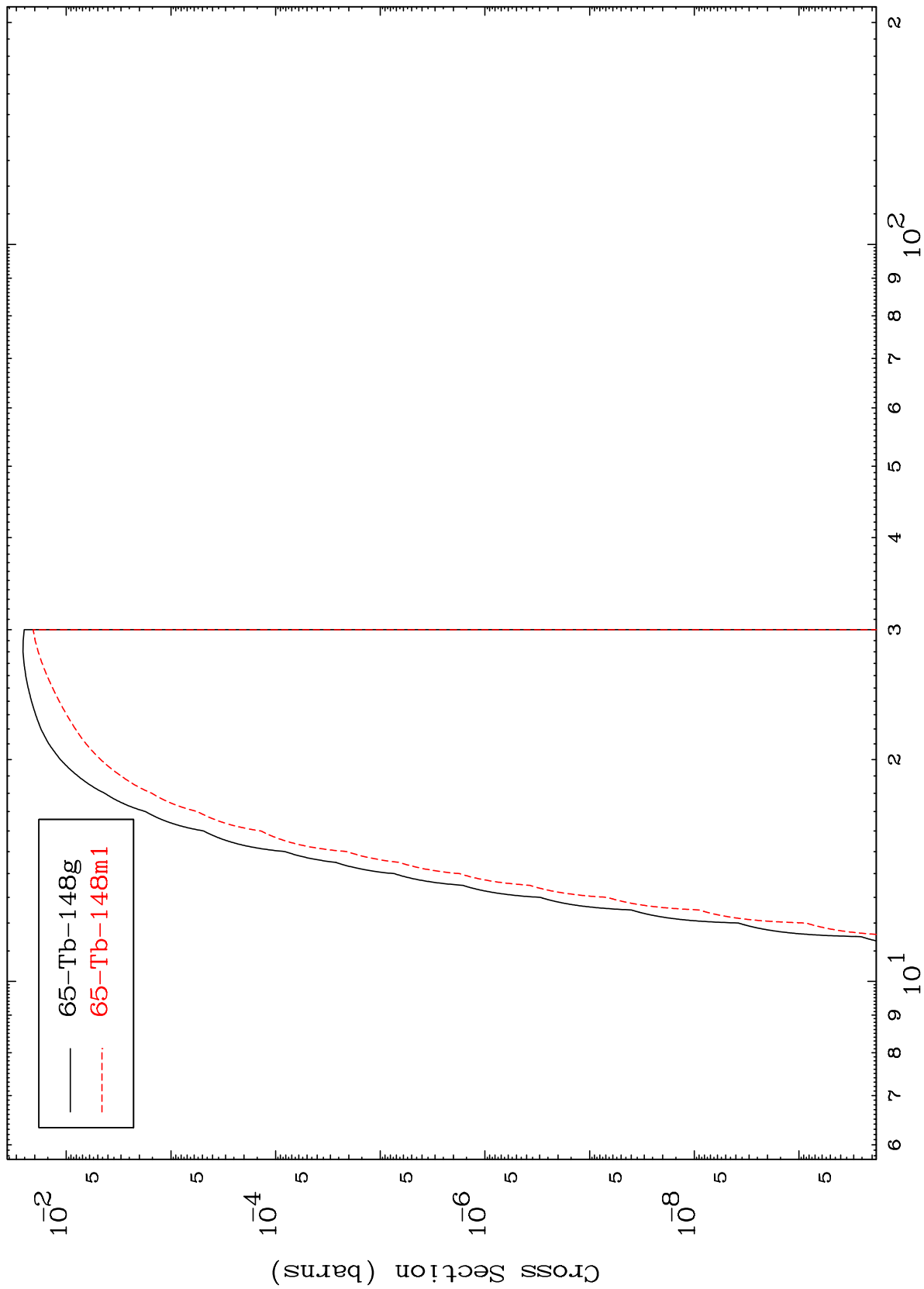
67-Ho-150

MAT 6680

(n,2n) p

67-Ho-150

Radionuclide Production Cross Section



121

Incident Energy (MeV)

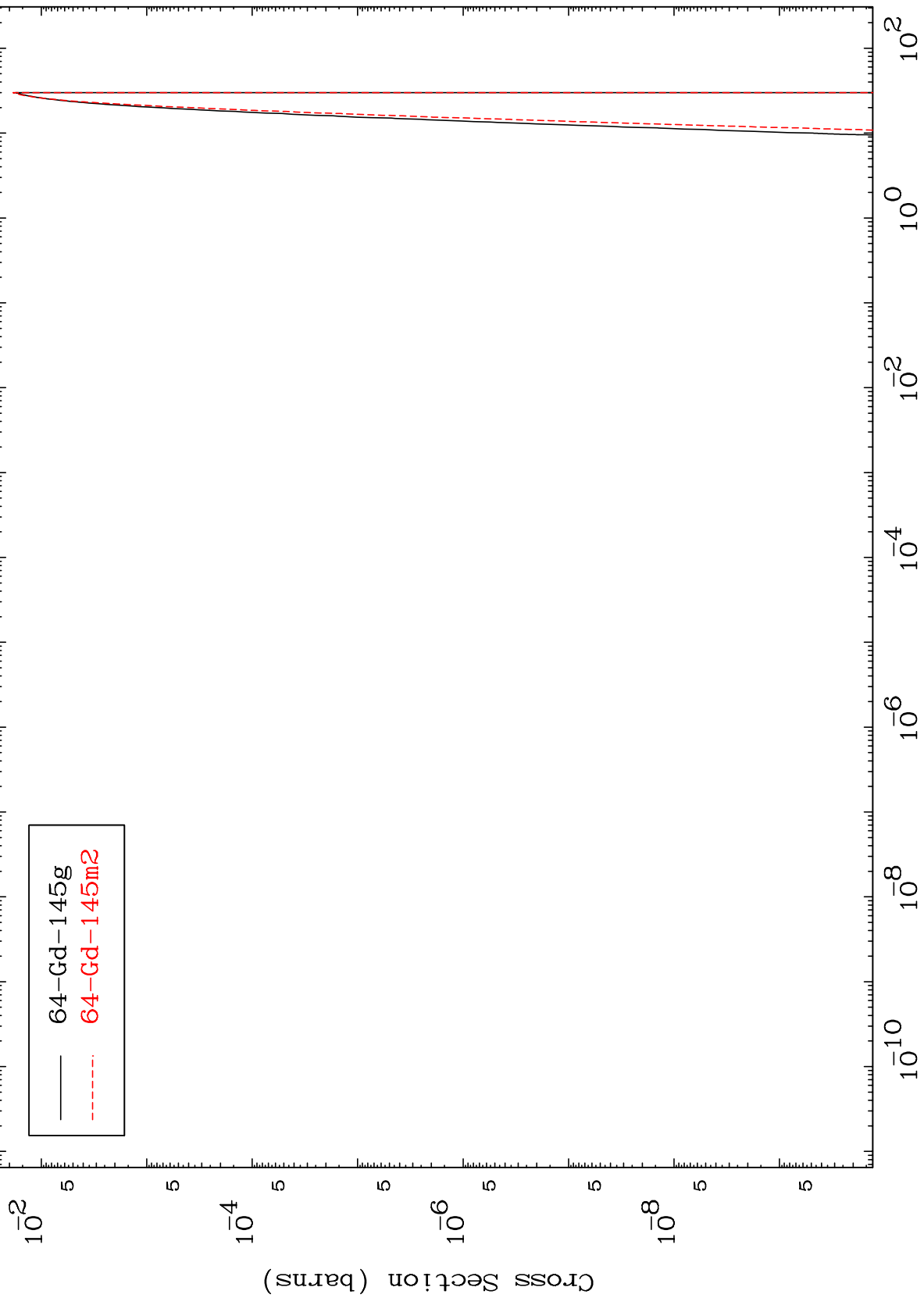
67-Ho-150

MAT 6680

(n,n') p  $\alpha$

67-Ho-150

Radionuclide Production Cross Section

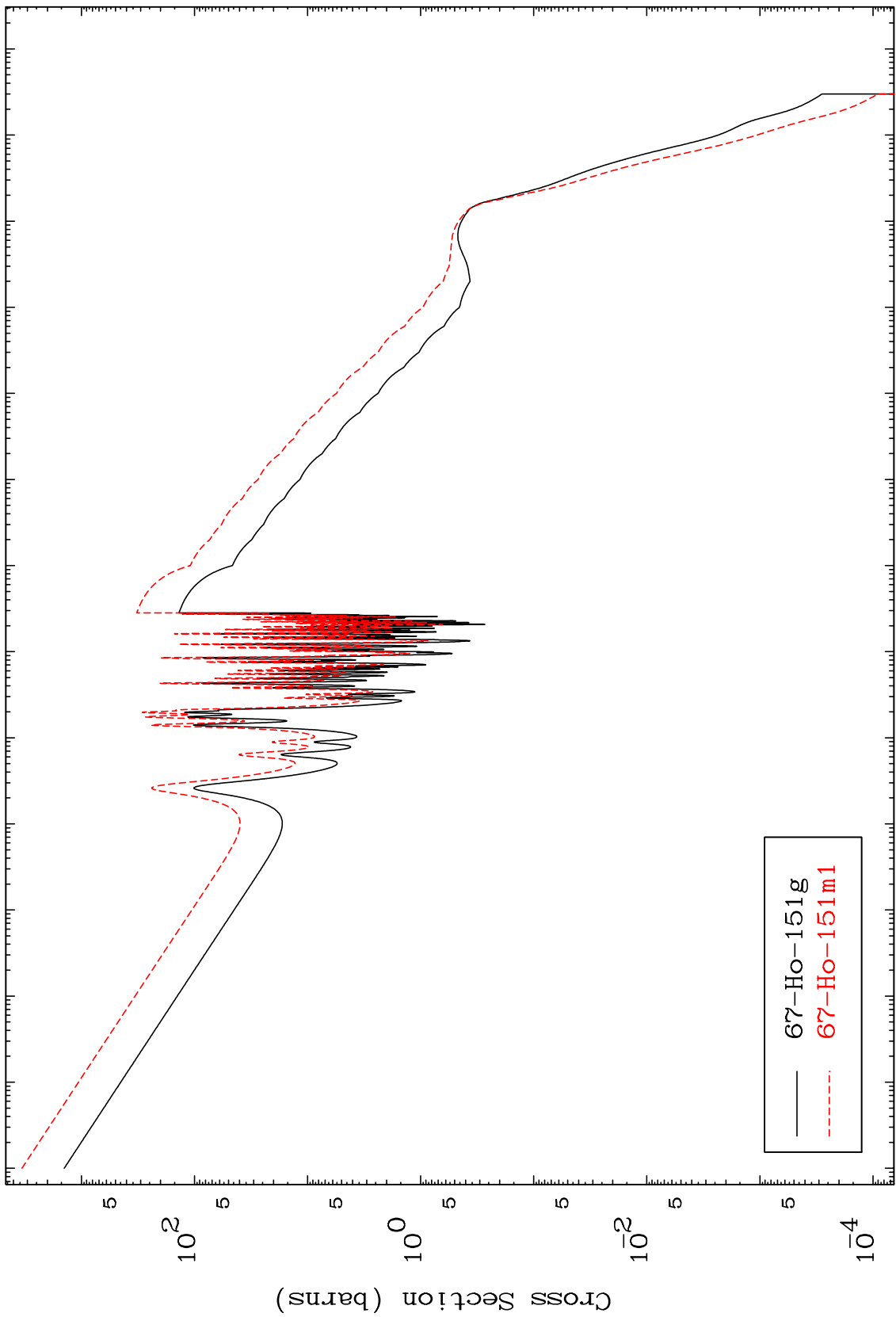


MAT 6680

<sup>67</sup>Ho-150

Radionuclide Production Cross Section

(n,γ)



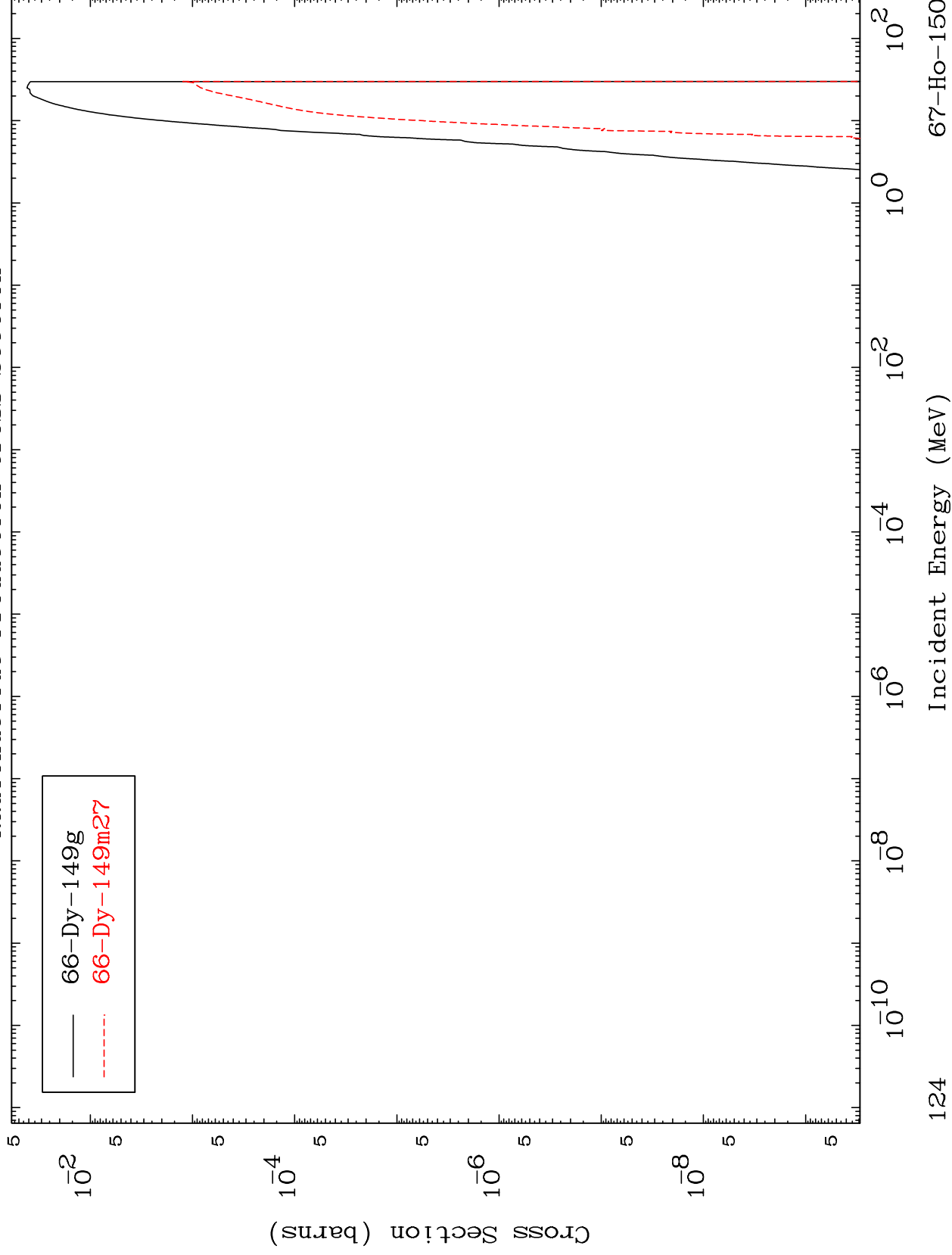
67Ho-151 g  
67Ho-151 m1

MAT 6680

(n,d)

67-Ho-150

Radionuclide Production Cross Section

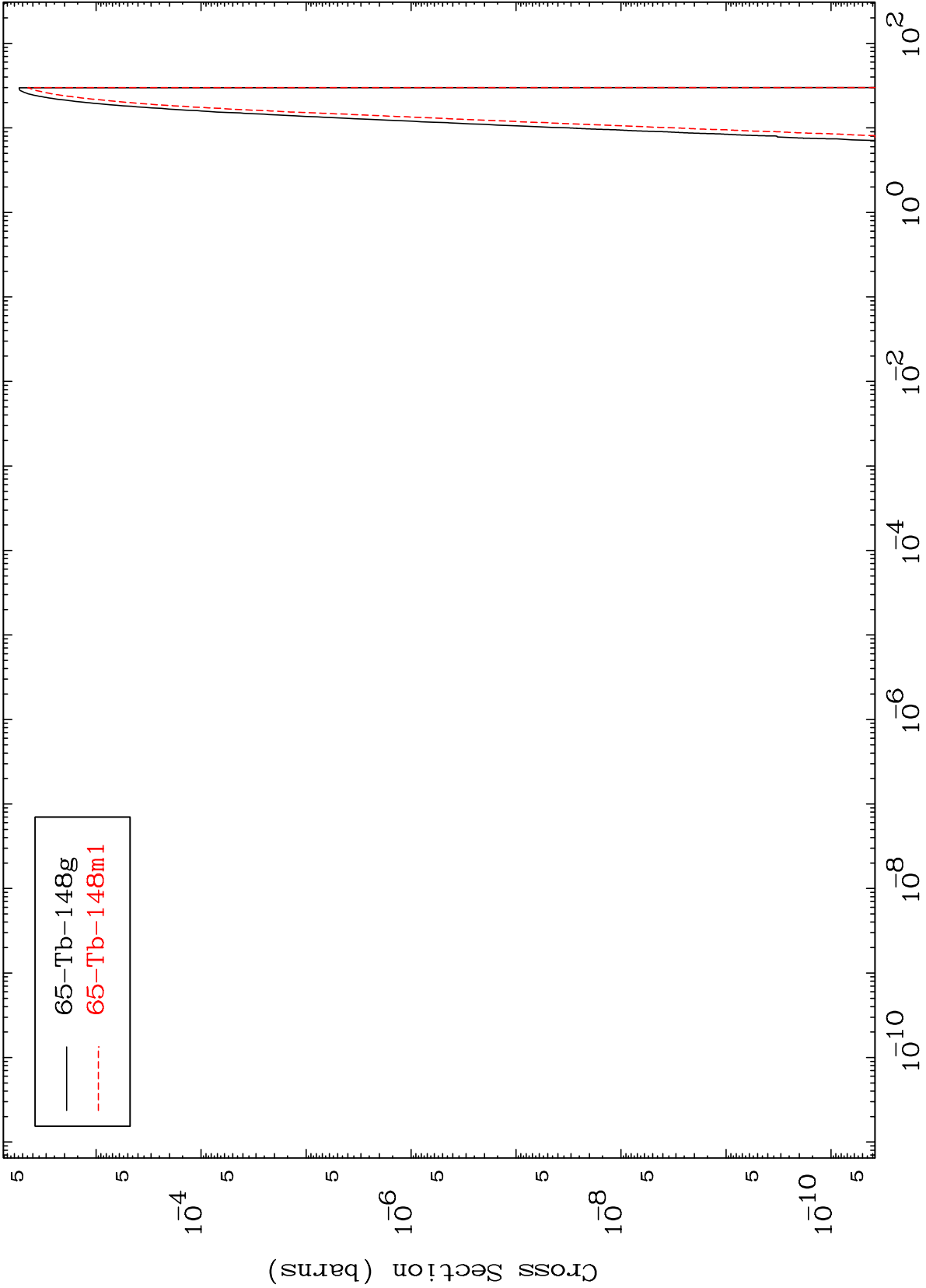


MAT 6680

(n,He-3)

67-Ho-150

Radionuclide Production Cross Section



65-Tb-148g  
65-Tb-148m1

125

Incident Energy (MeV)

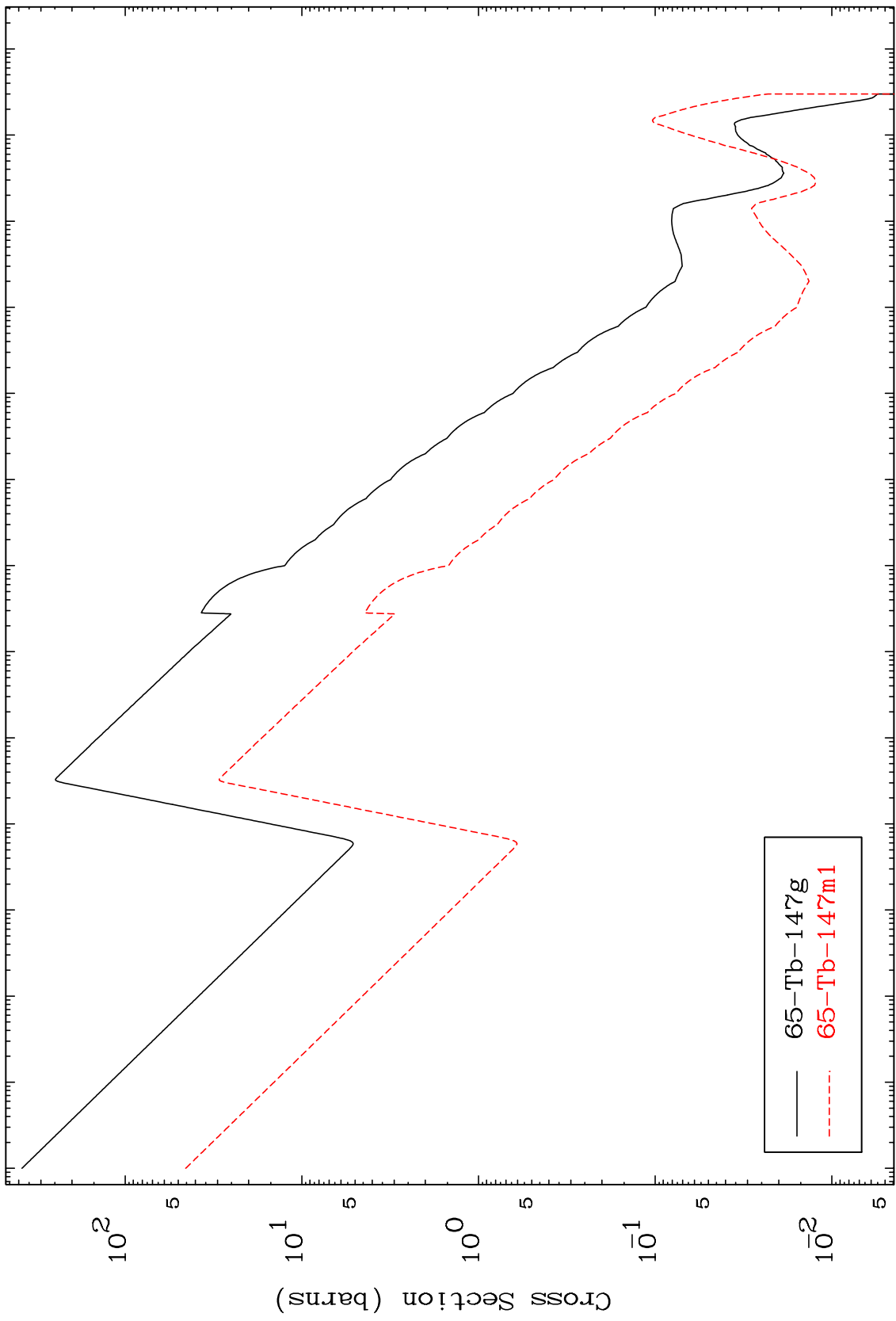
67-Ho-150

MAT 6680

67-Ho-150

Radionuclide Production Cross Section

(n,  $\alpha$ )



126

67-Ho-150

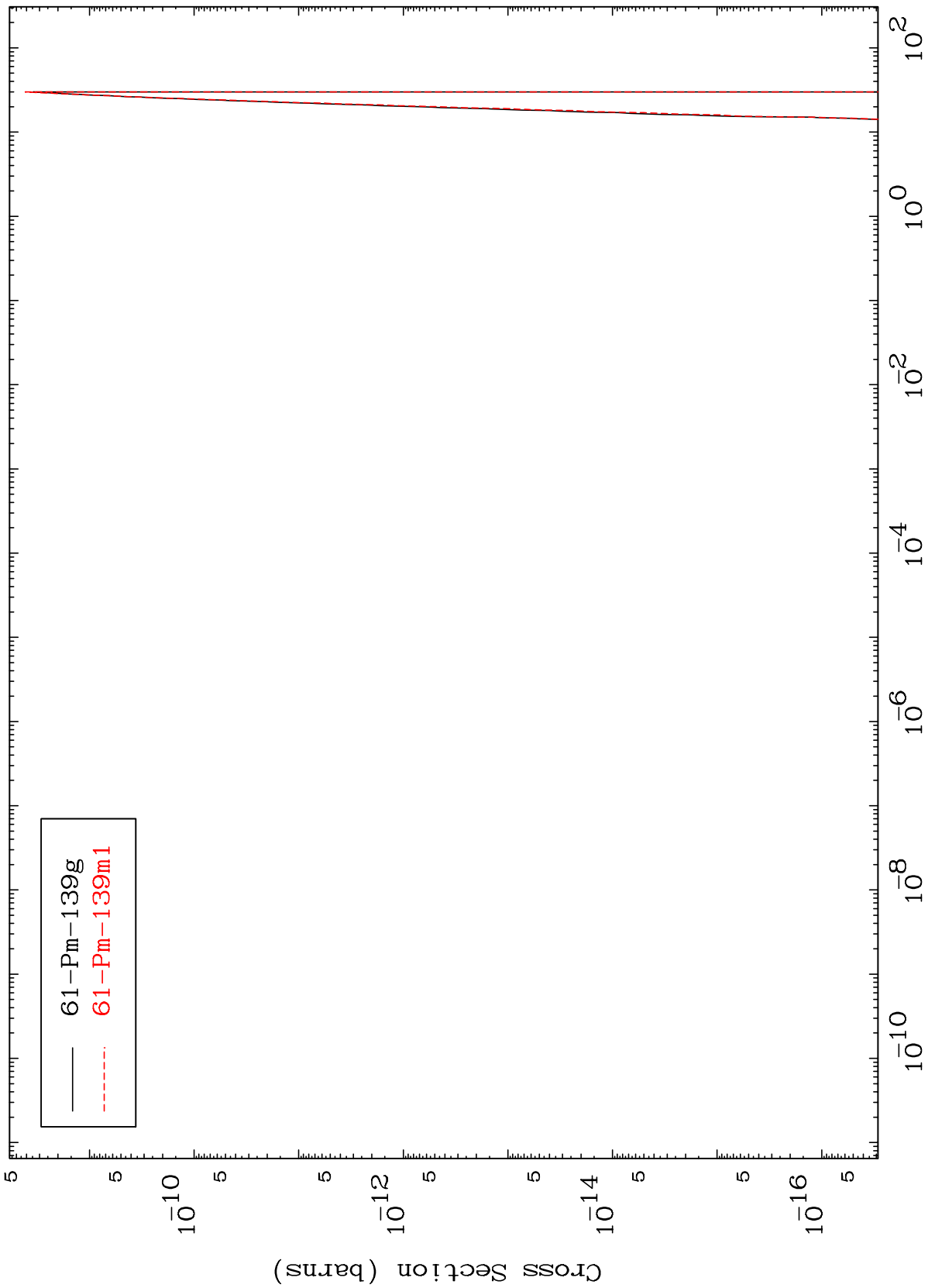
Incident Energy (MeV)

MAT 6680

(n,3α)

67-Ho-150

Radionuclide Production Cross Section



127

Incident Energy (MeV)

67-Ho-150

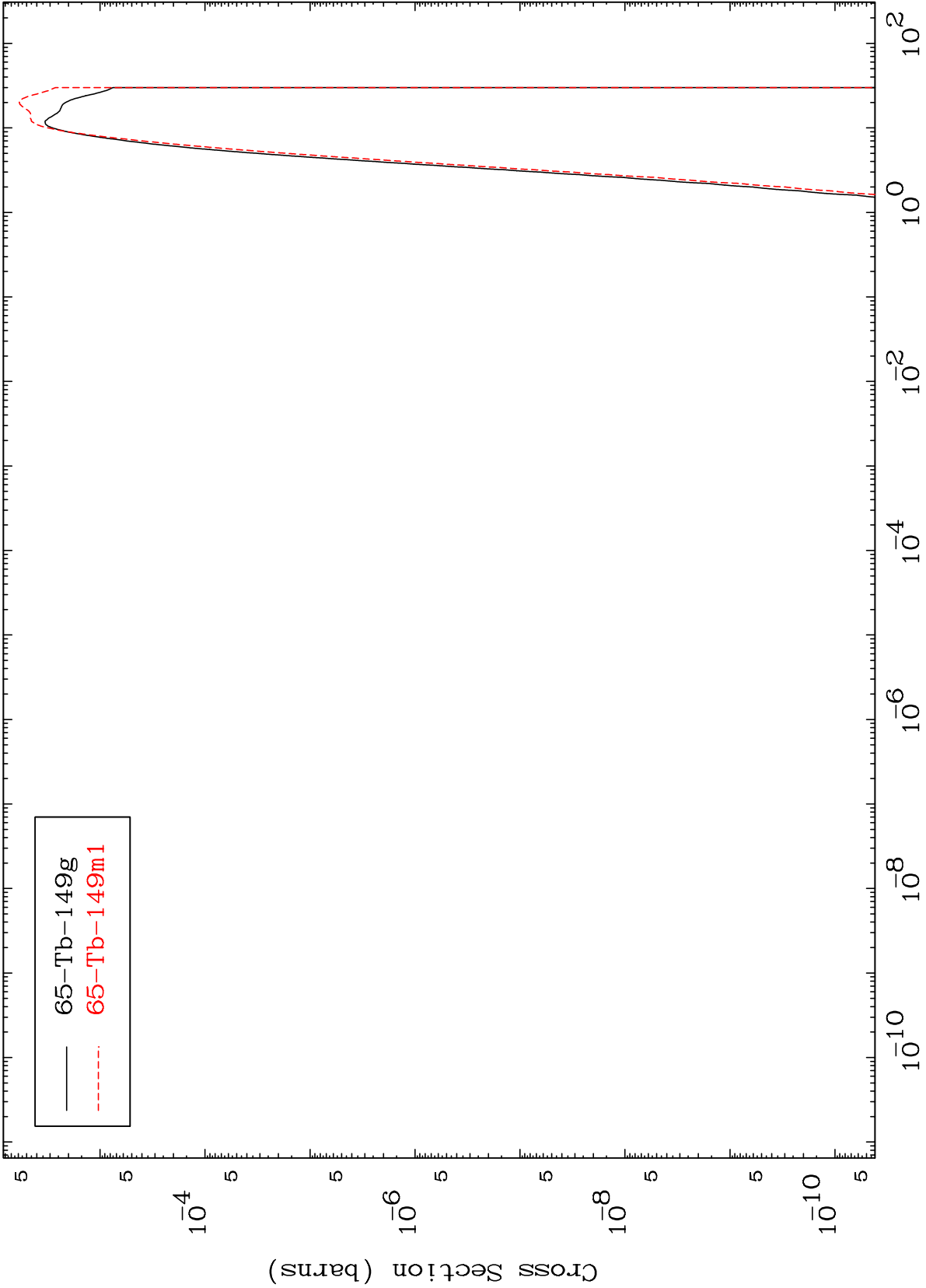


MAT 6680

(n,2p)

67-Ho-150

Radionuclide Production Cross Section

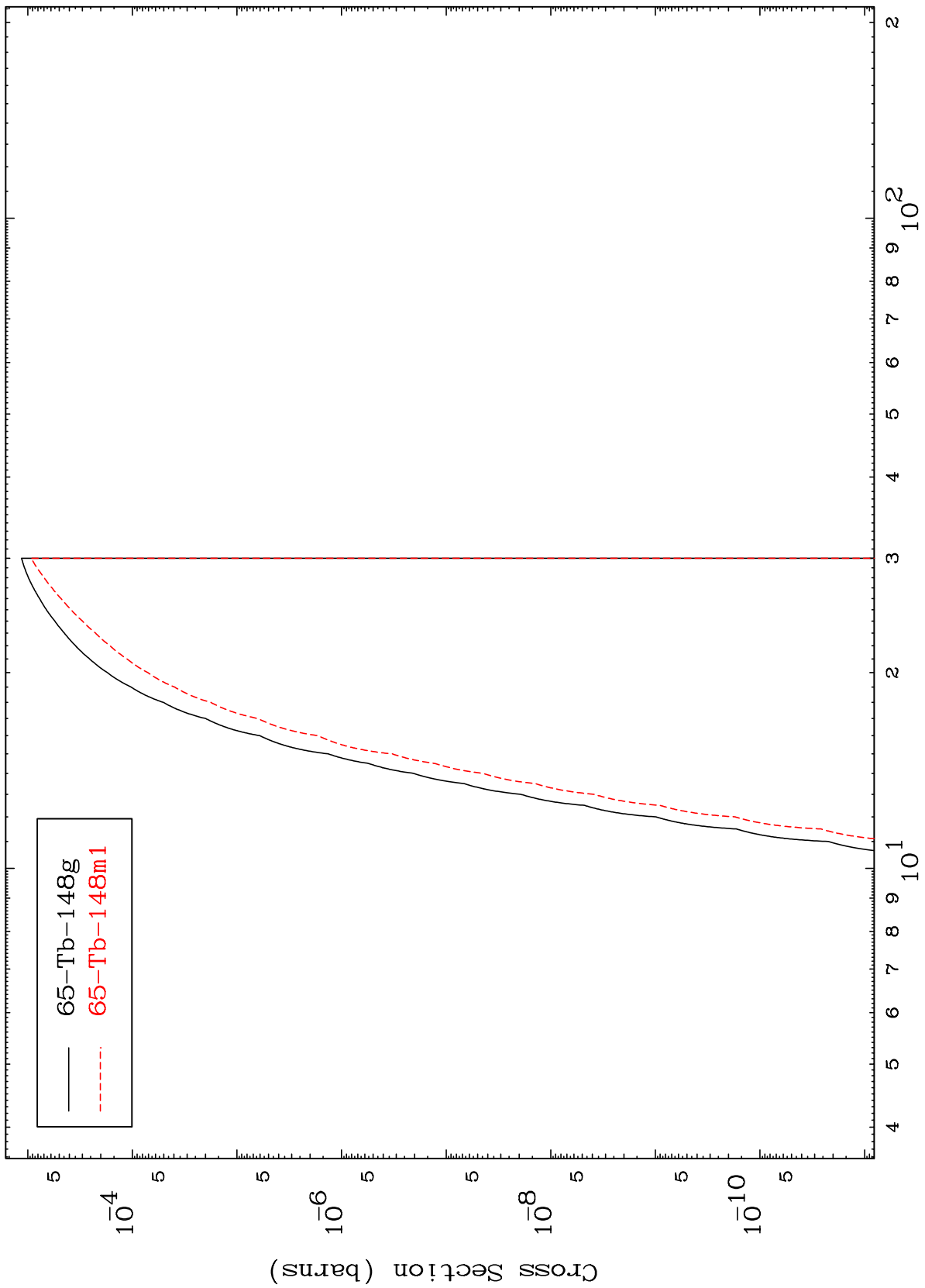


MAT 6680

(n,p) d

67-Ho-150

Radionuclide Production Cross Section



— 65-Tb-148g  
- - - 65-Tb-148m1

129

Incident Energy (MeV)

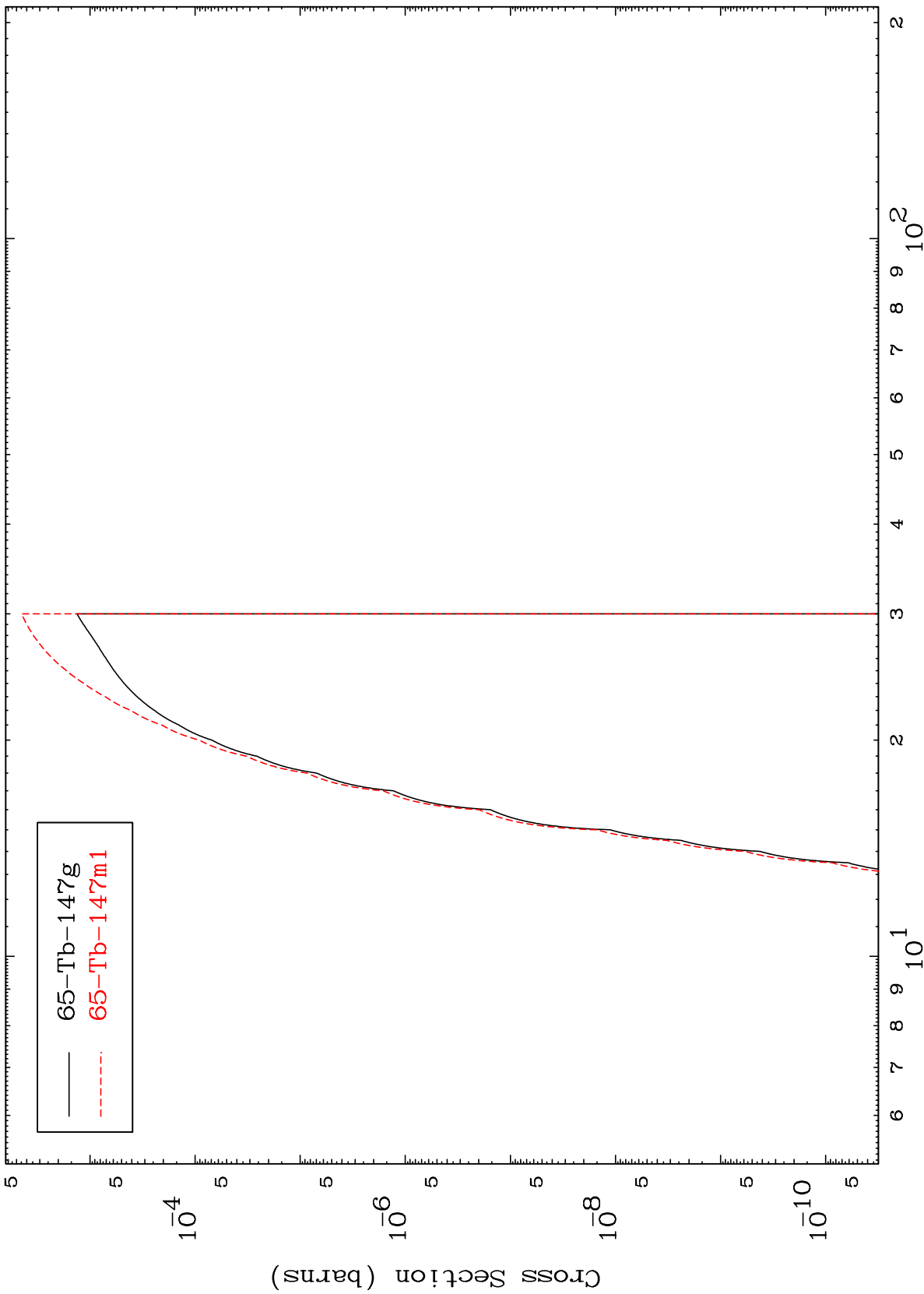
67-Ho-150

MAT 6680

(n,p) t

67-Ho-150

Radionuclide Production Cross Section



130

Incident Energy (MeV)

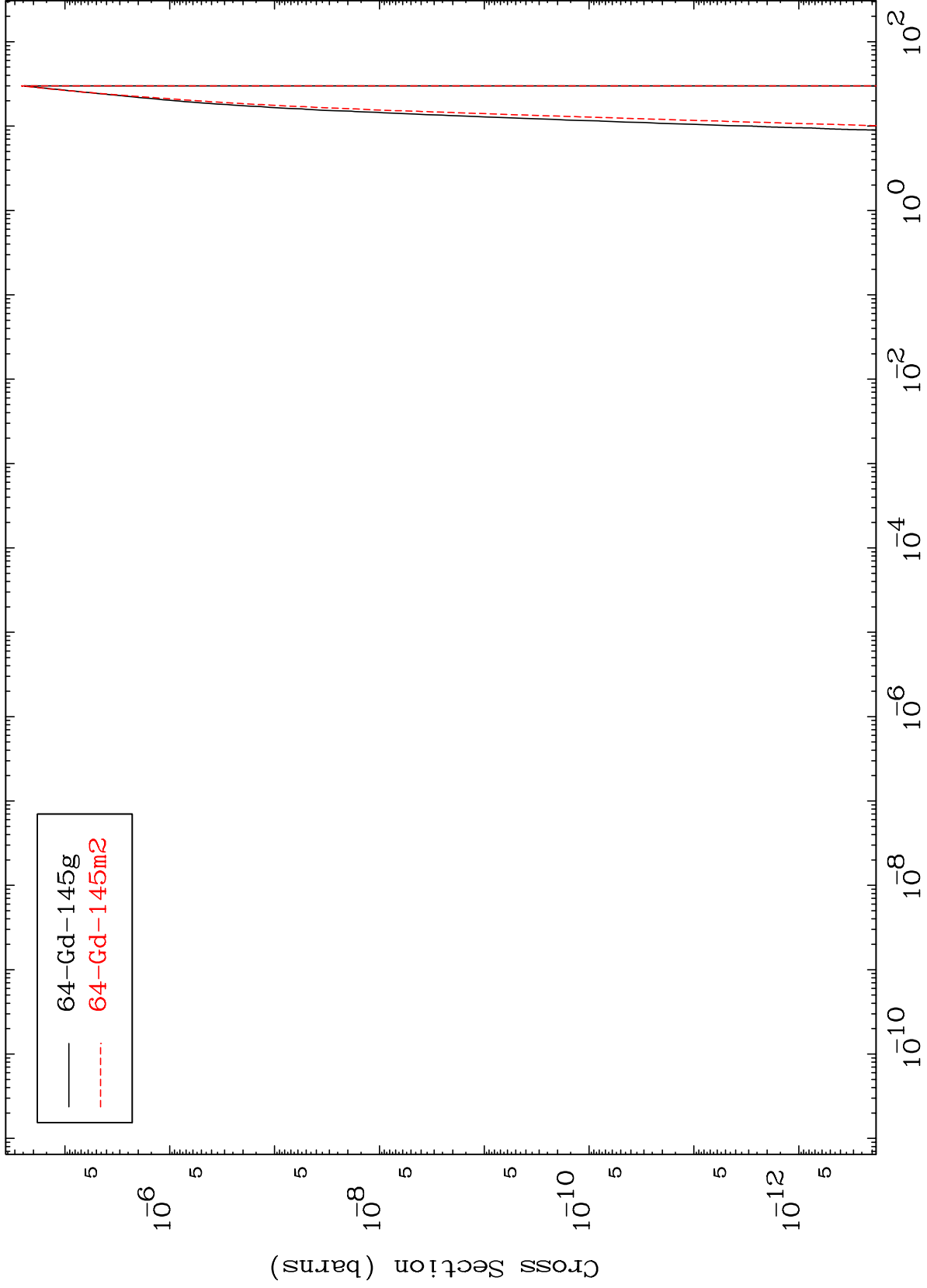
67-Ho-150

MAT 6680

(n,d)  $\alpha$

67-Ho-150

Radionuclide Production Cross Section



131

Incident Energy (MeV)

67-Ho-150