

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

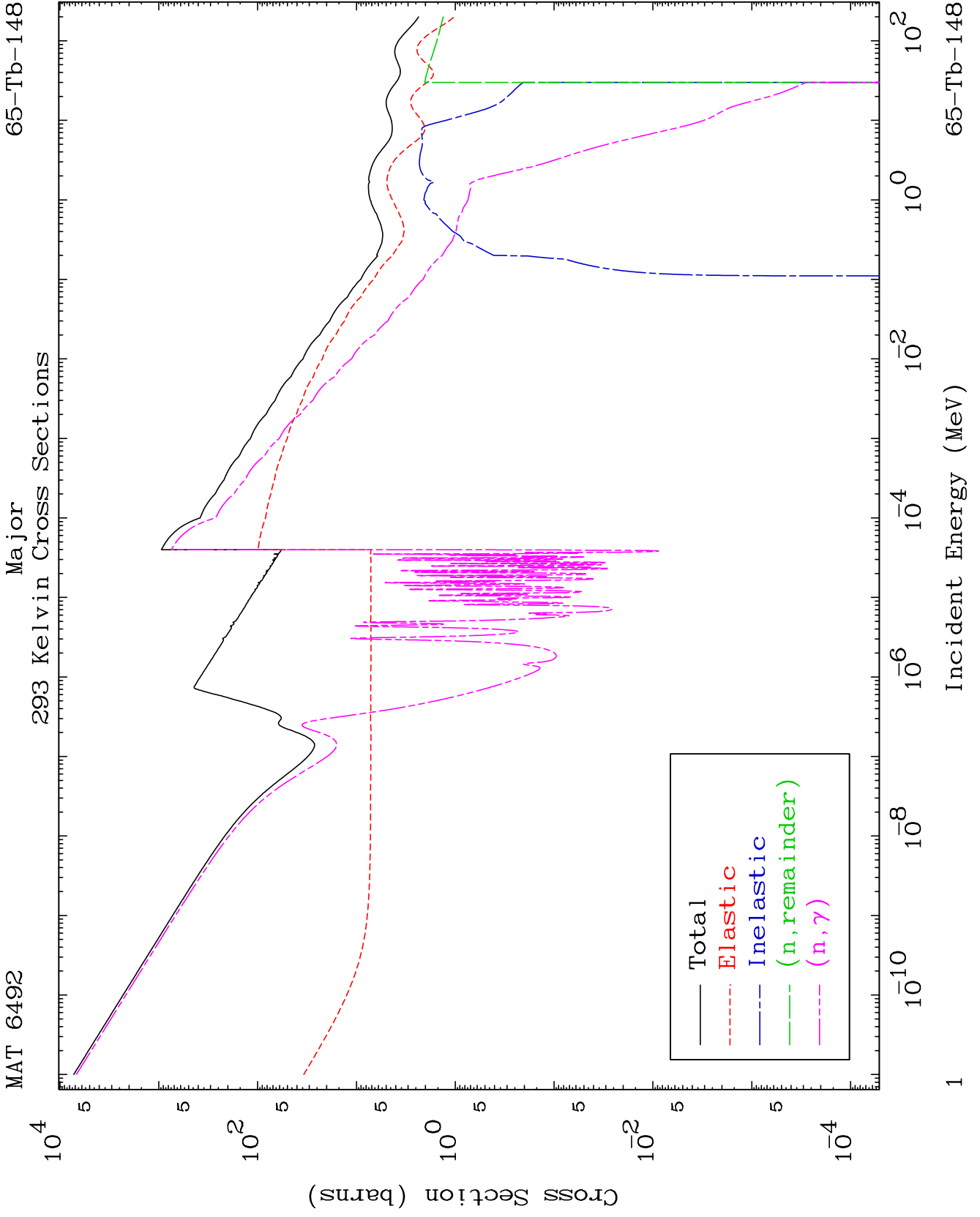
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Web:redcullen1.net/HOMEPAGE.NEW

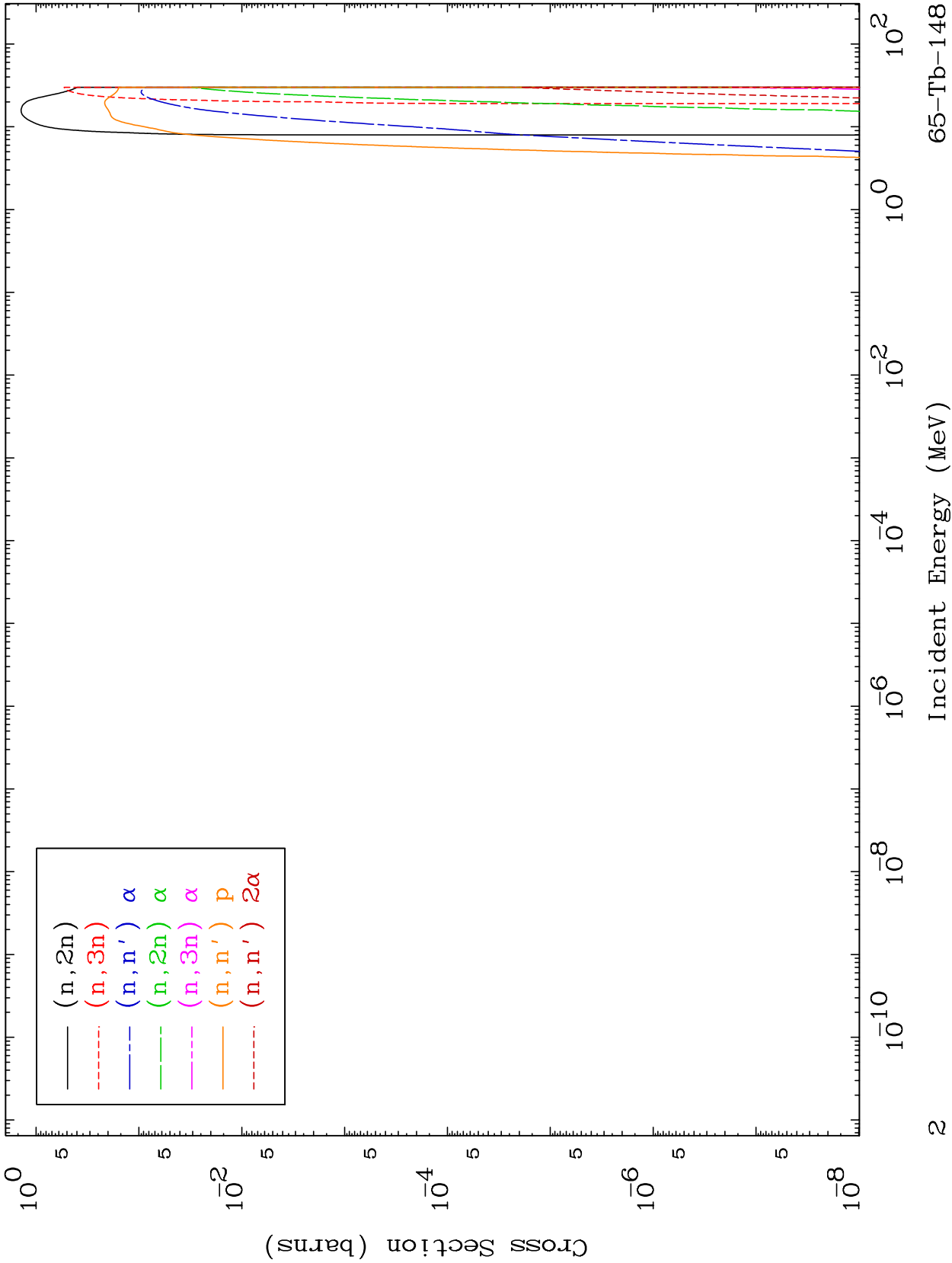
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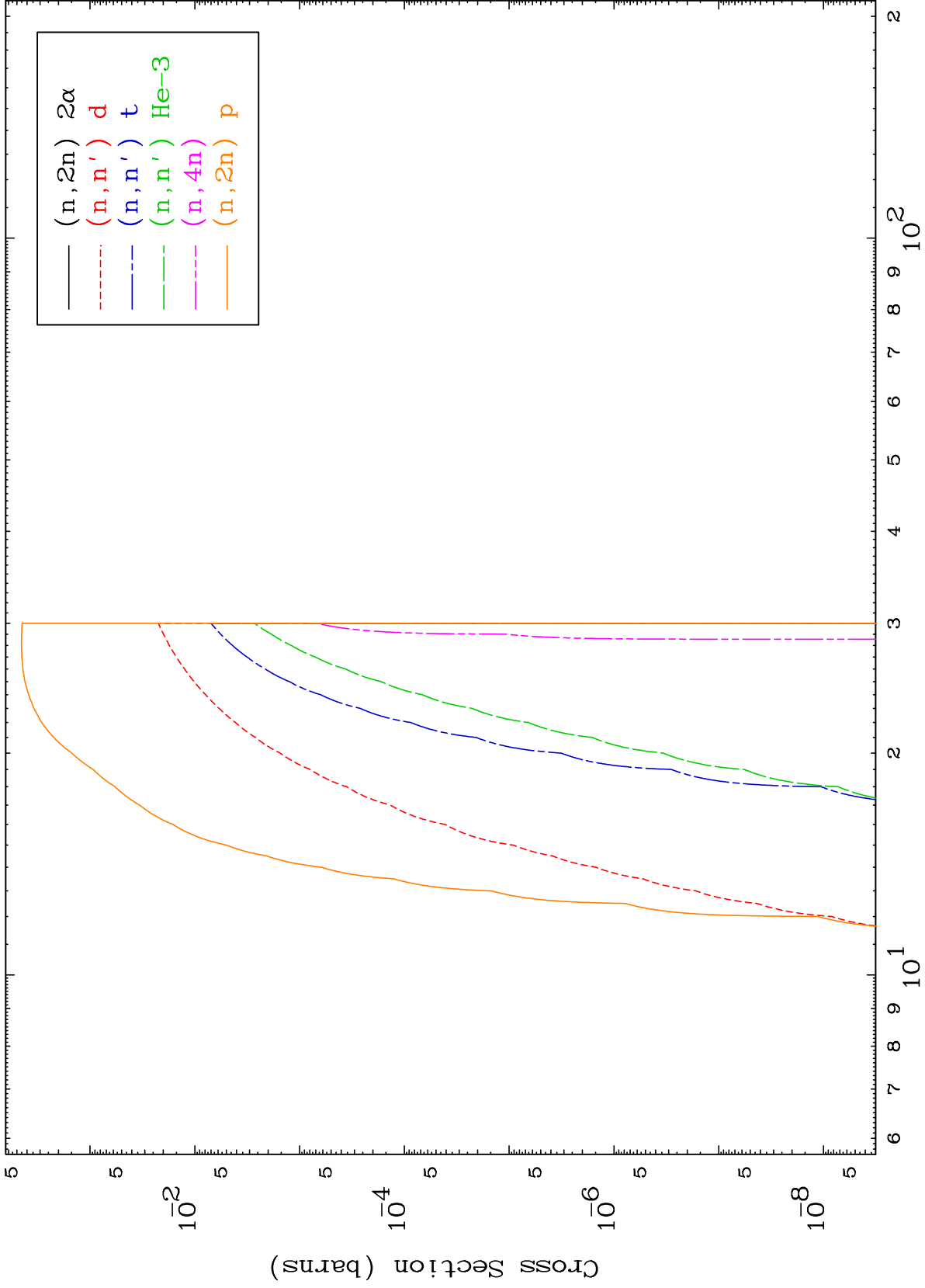


MAT 6492

Neutron Production
293 Kelvin Cross Sections

65-Tb-148

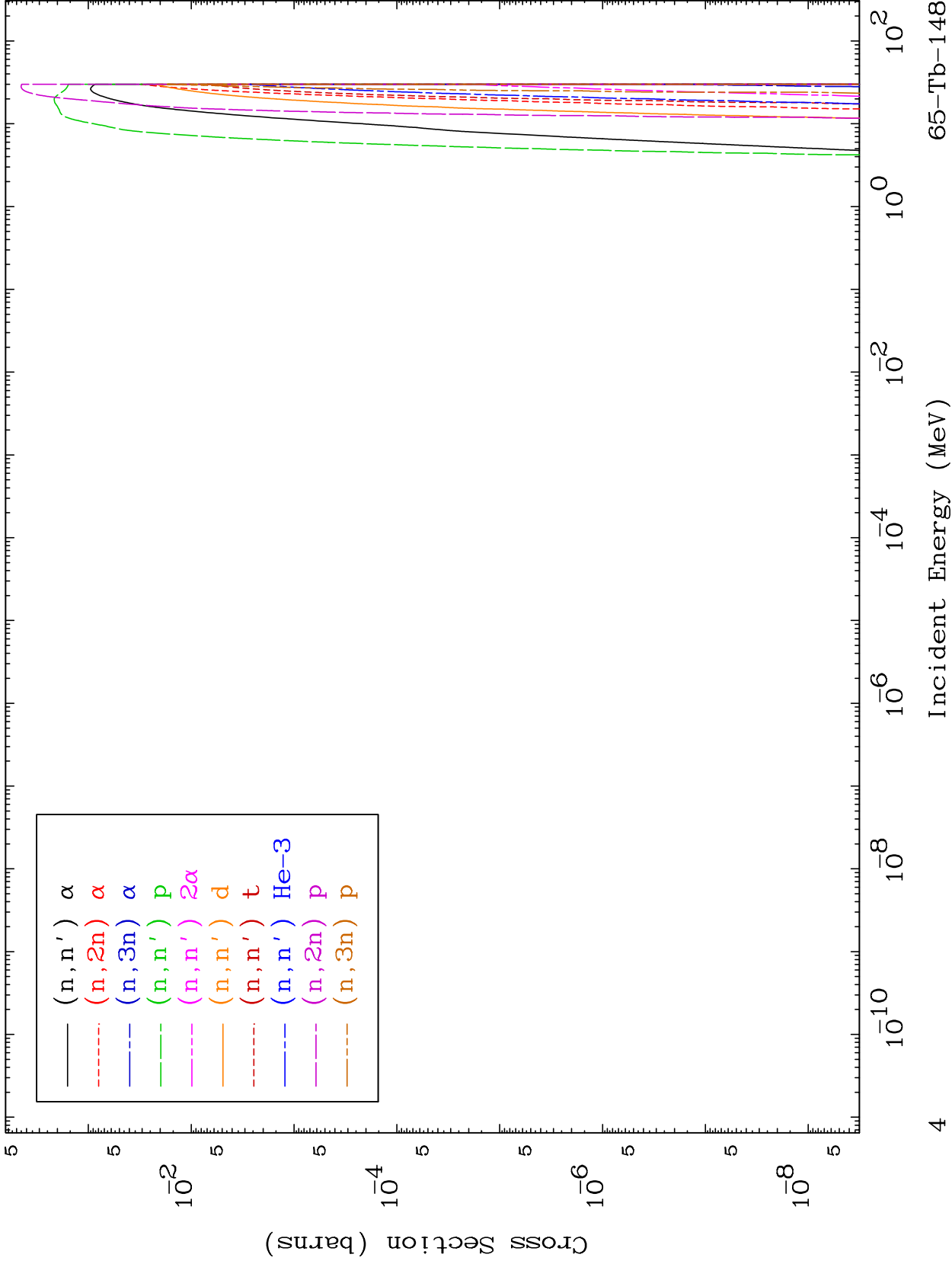




MAT 6492

Charged Particle
293 Kelvin Cross Sections

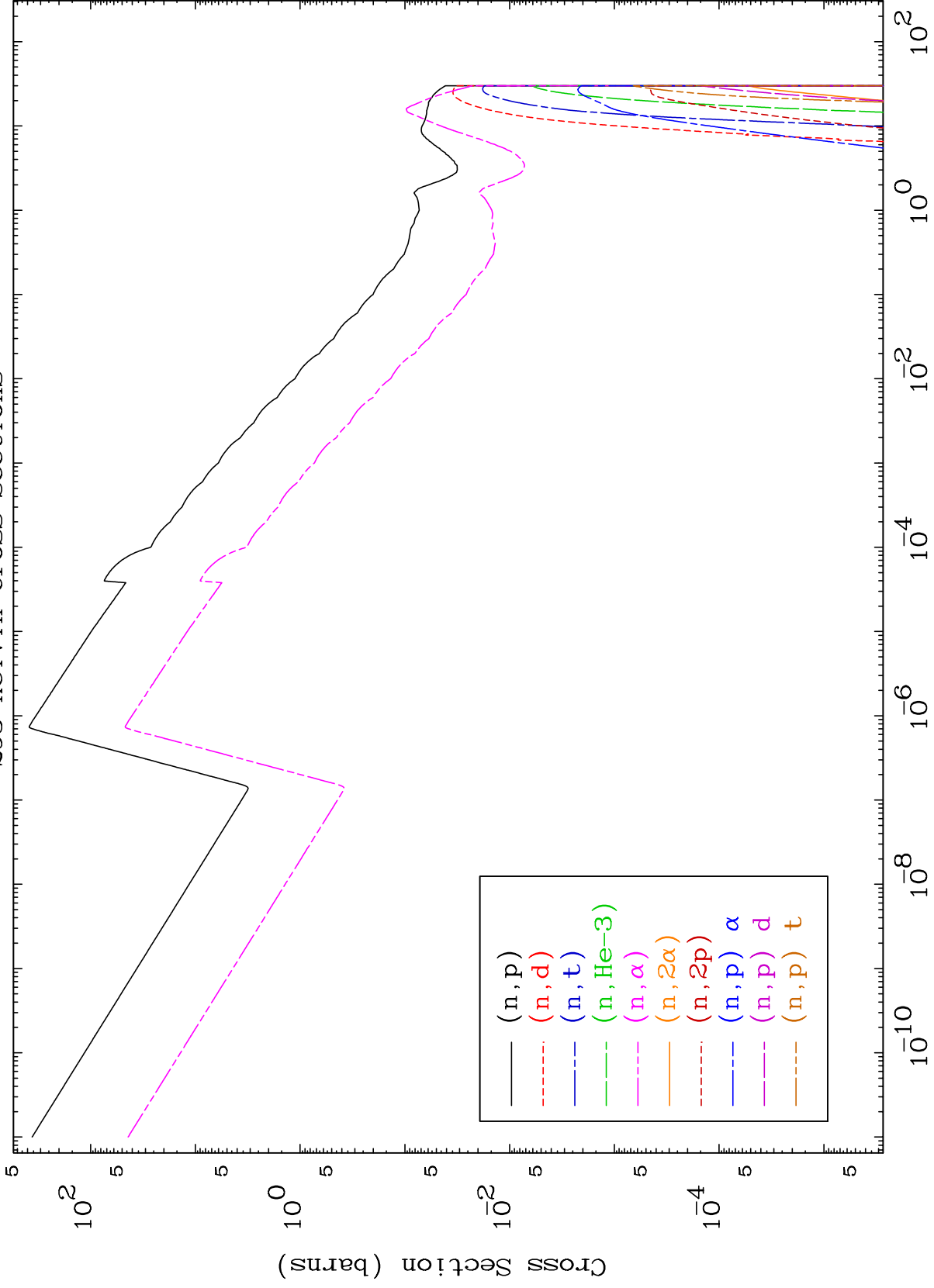
65-Tb-148



MAT 6492

Charged Particle
293 Kelvin Cross Sections

65-Tb-148



5

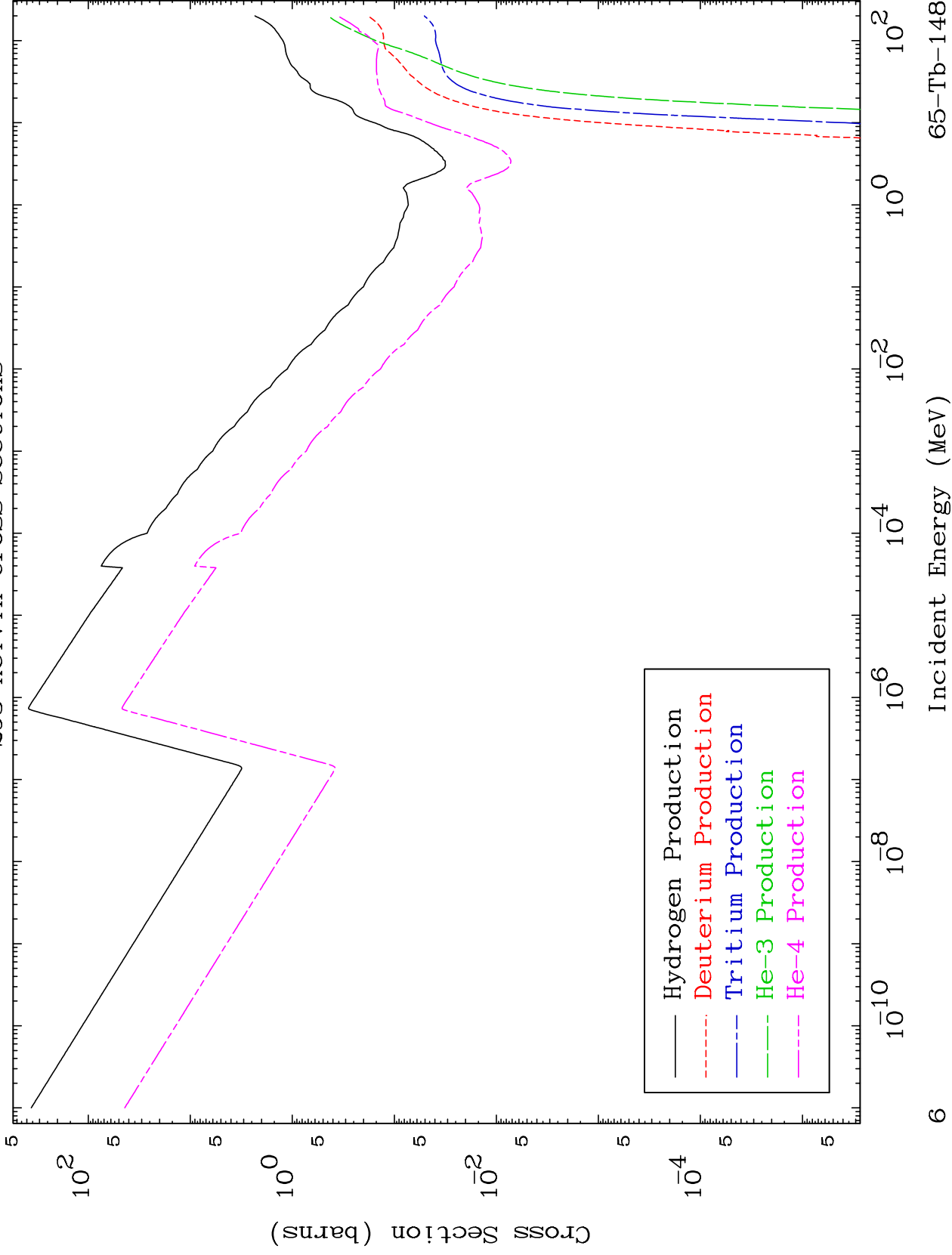
Incident Energy (MeV)

65-Tb-148

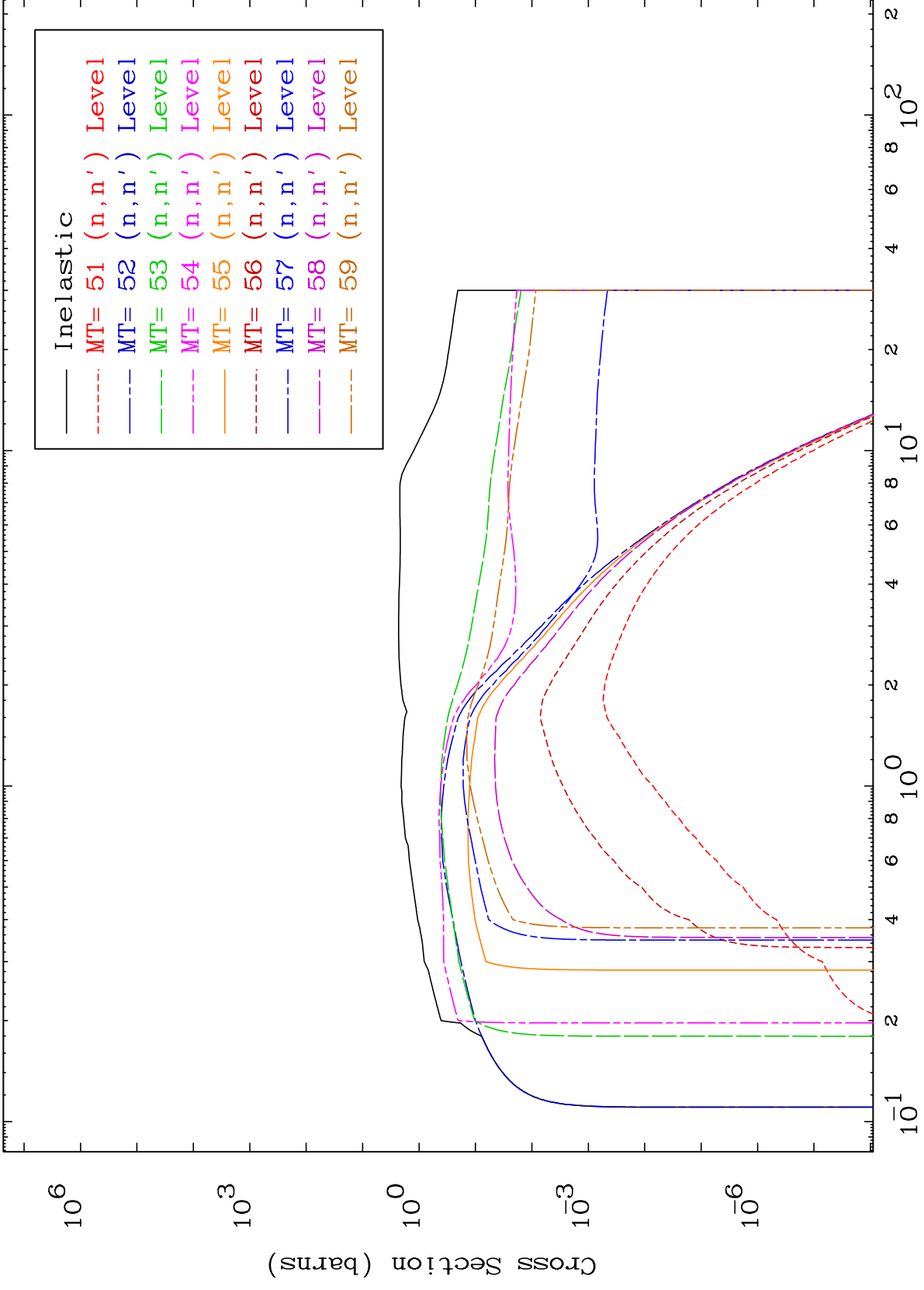
MAT 6492

Particle Production
293 Kelvin Cross Sections

65-Tb-148



293 Kelvin Cross Sections

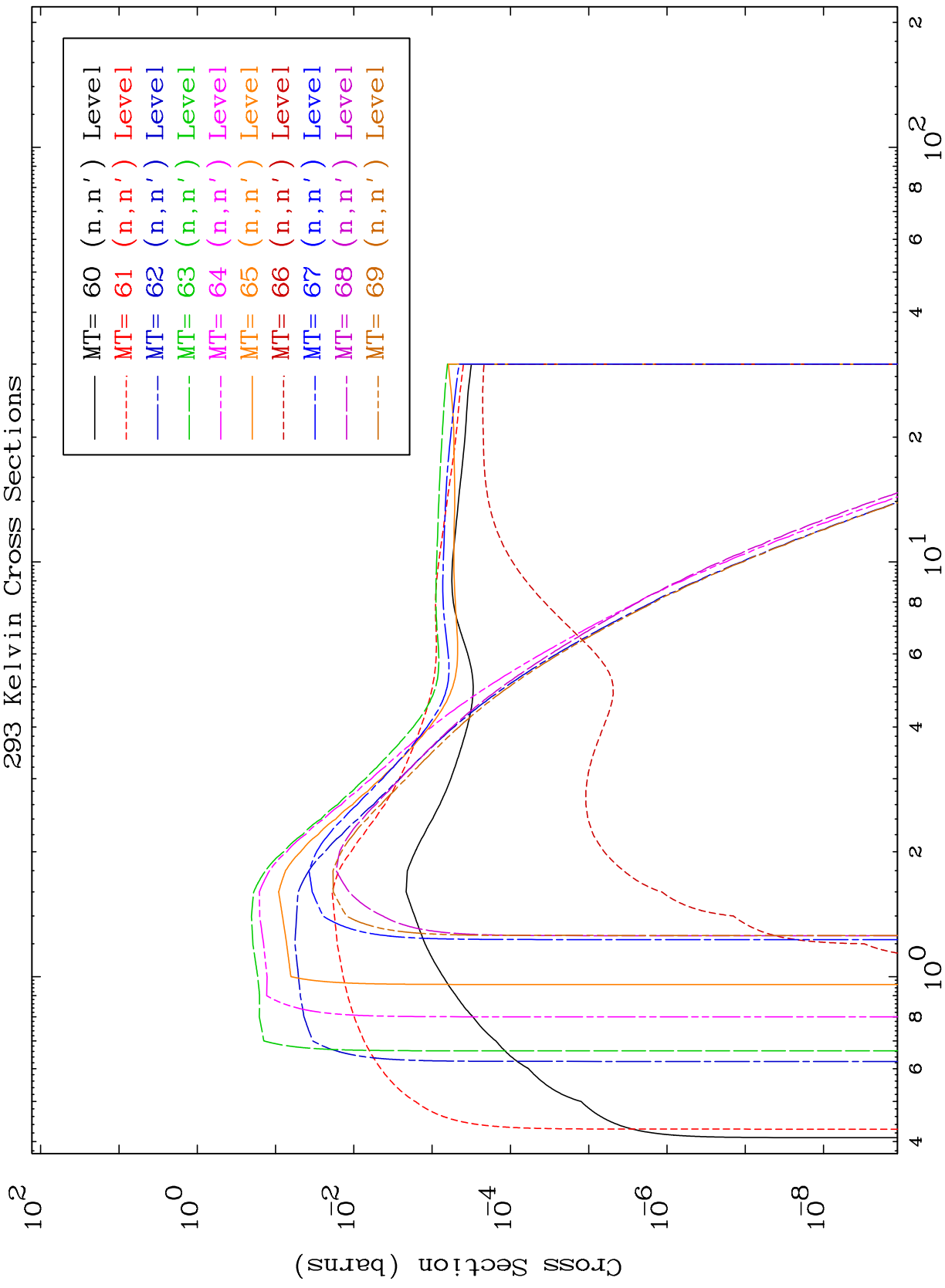


MAT 6492

(n,n') Level

293 Kelvin Cross Sections

65-Tb-148



8

Incident Energy (MeV)

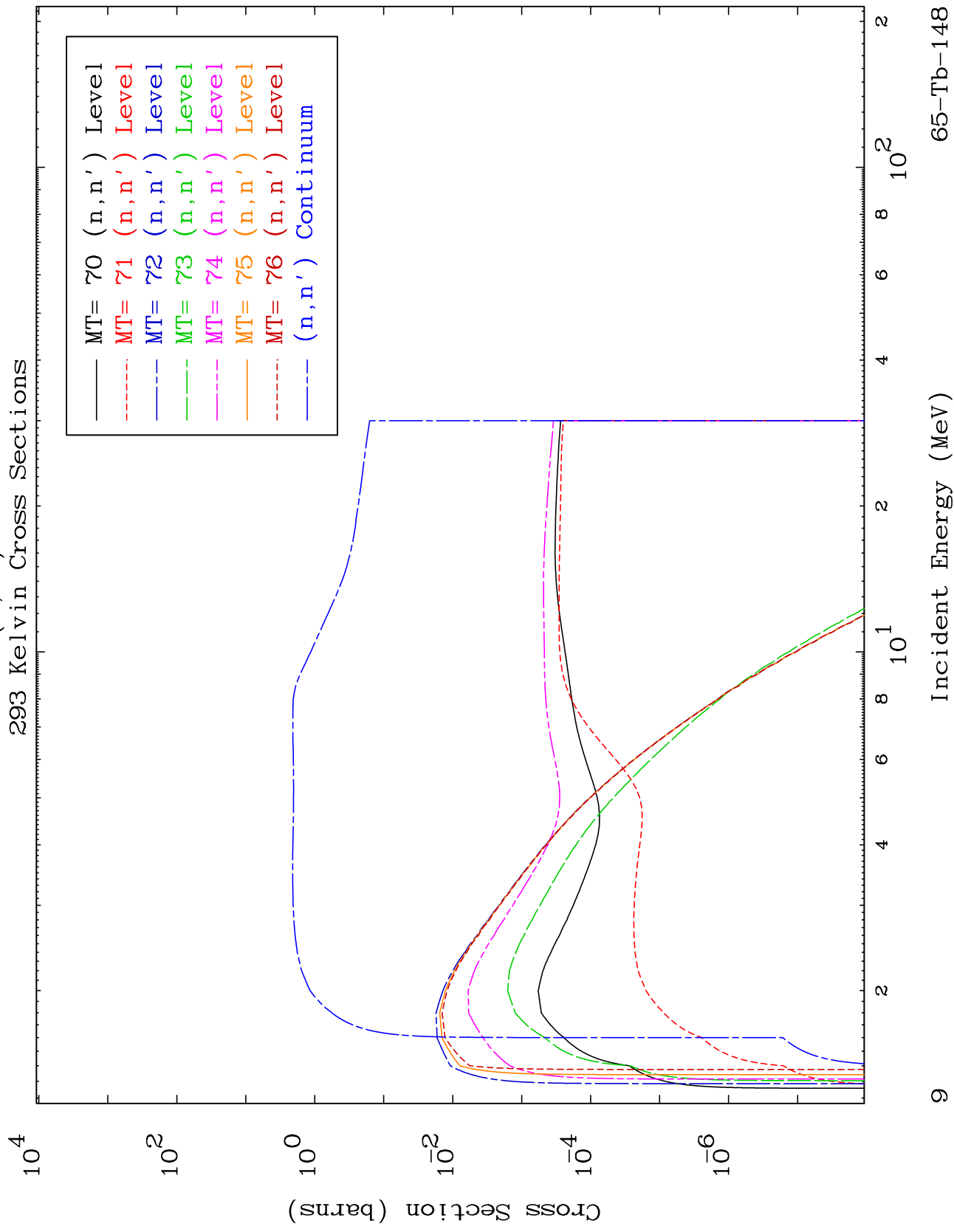
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MAT 6492

(n,n') Level

293 Kelvin Cross Sections

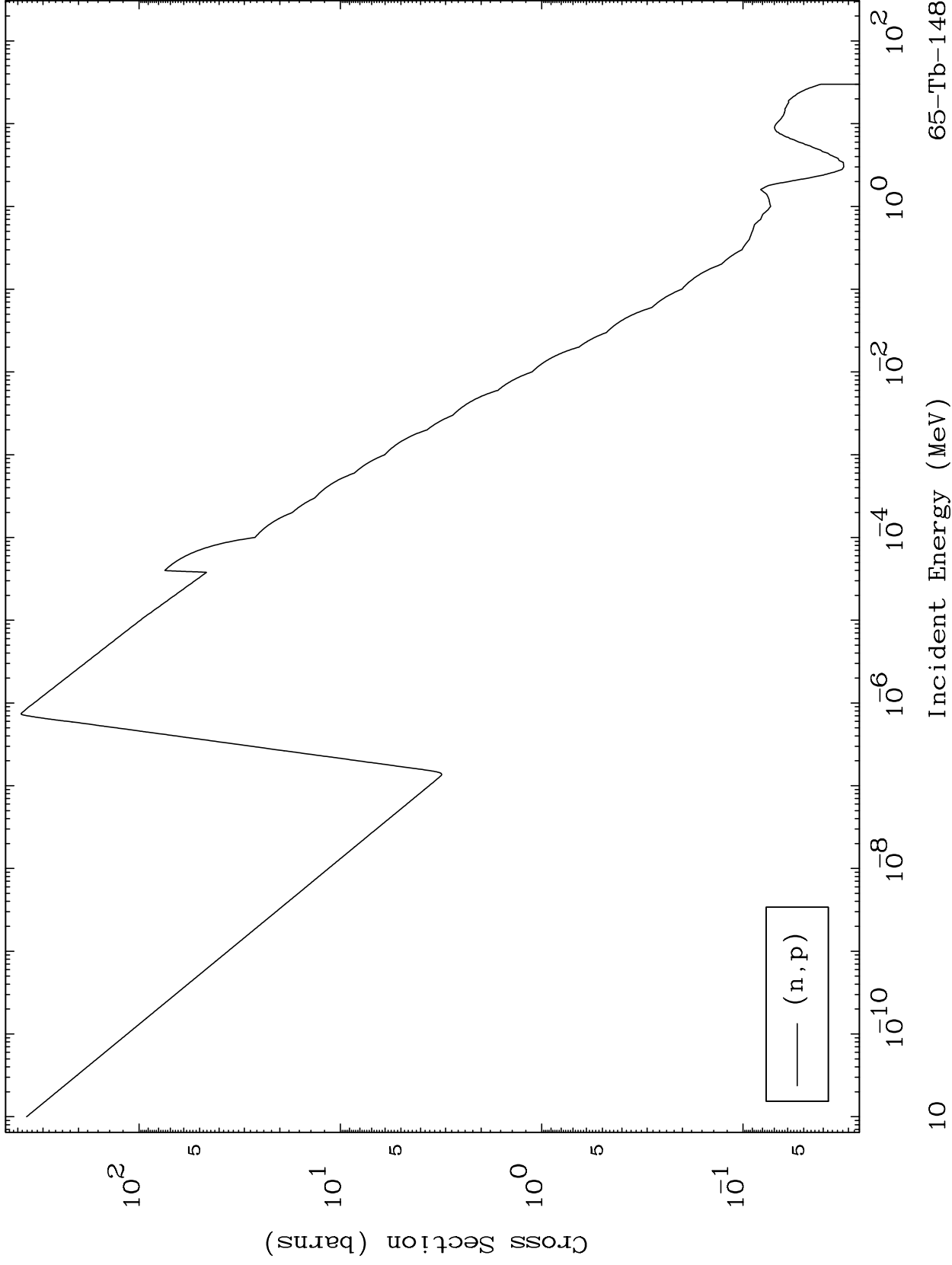
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MAT 6492

(n,p) Levels
293 Kelvin Cross Sections

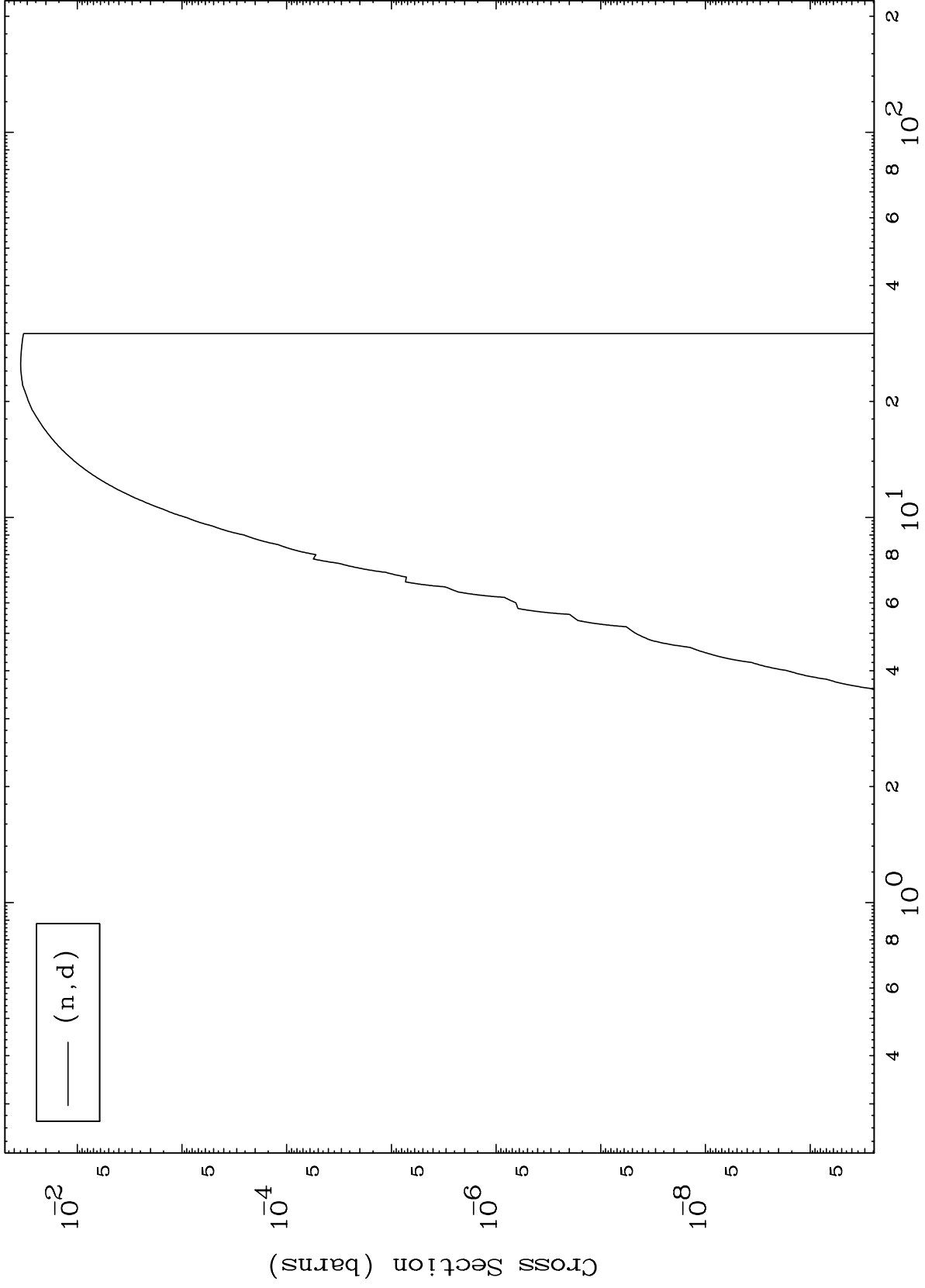
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MAT 6492

(n,d) Levels
293 Kelvin Cross Sections

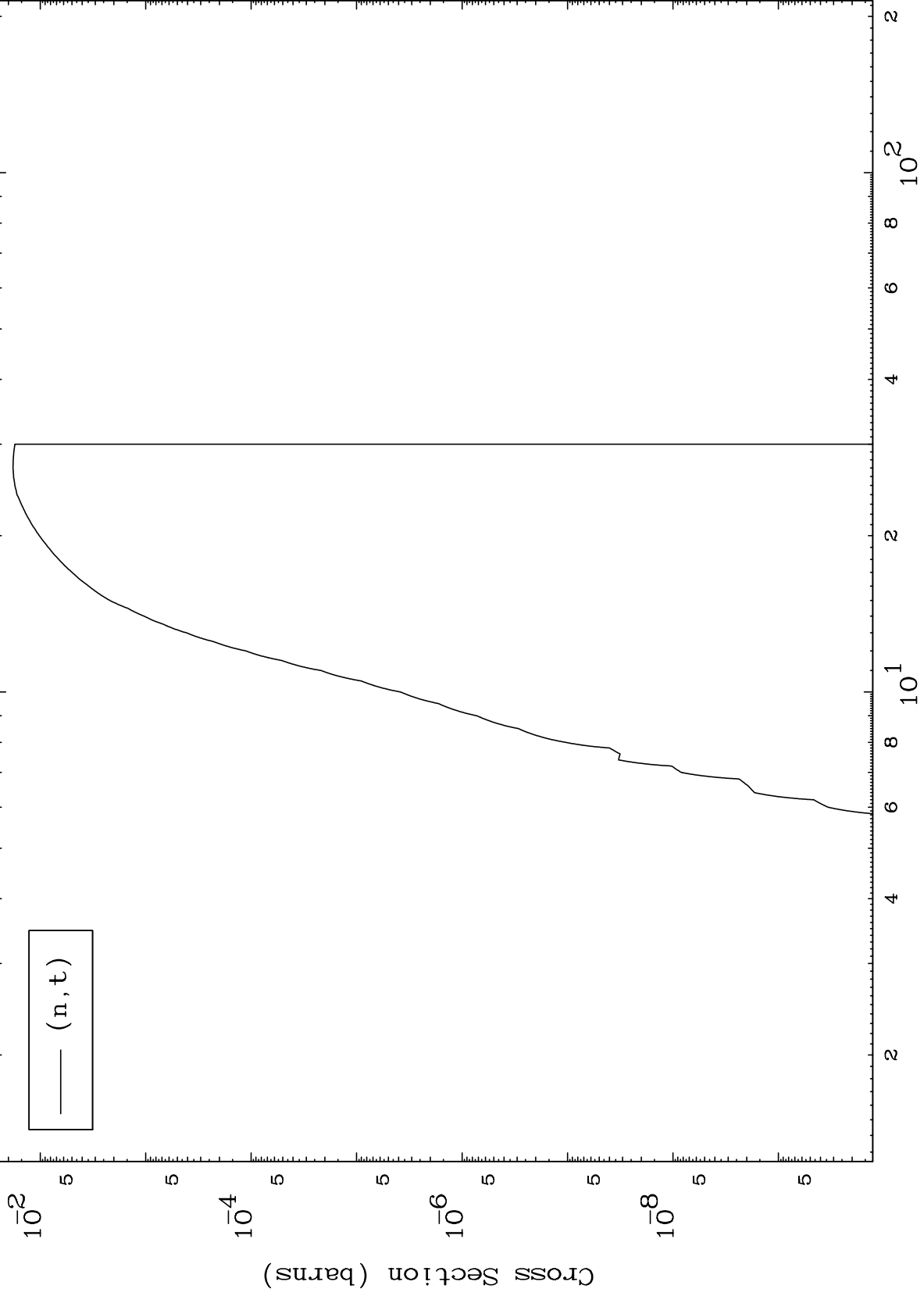
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MAT 6492

(n,t) Levels
293 Kelvin Cross Sections

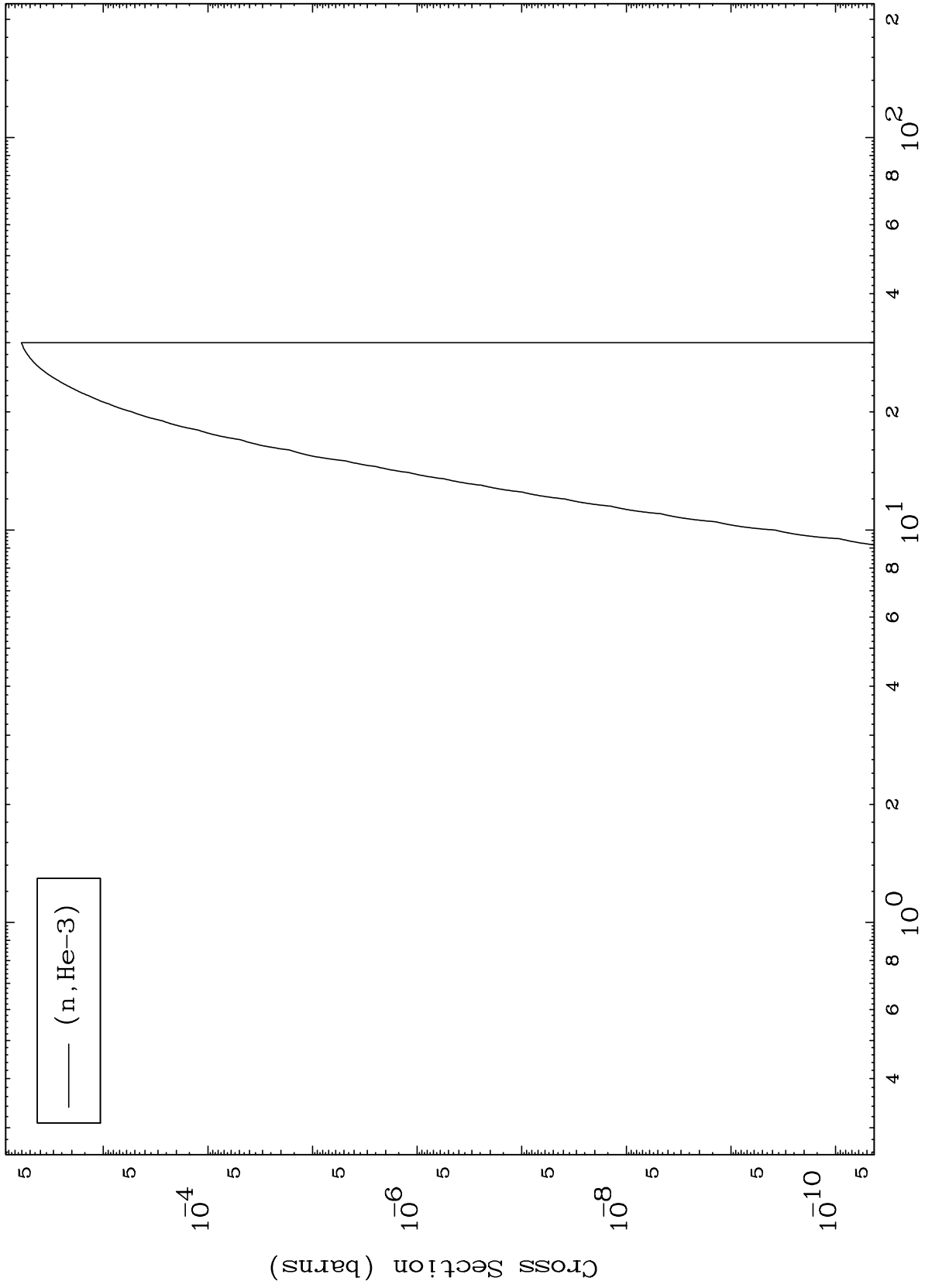
65-Tb-148



MAT 6492

(n,He3) Levels
293 Kelvin Cross Sections

65-Tb-148



13

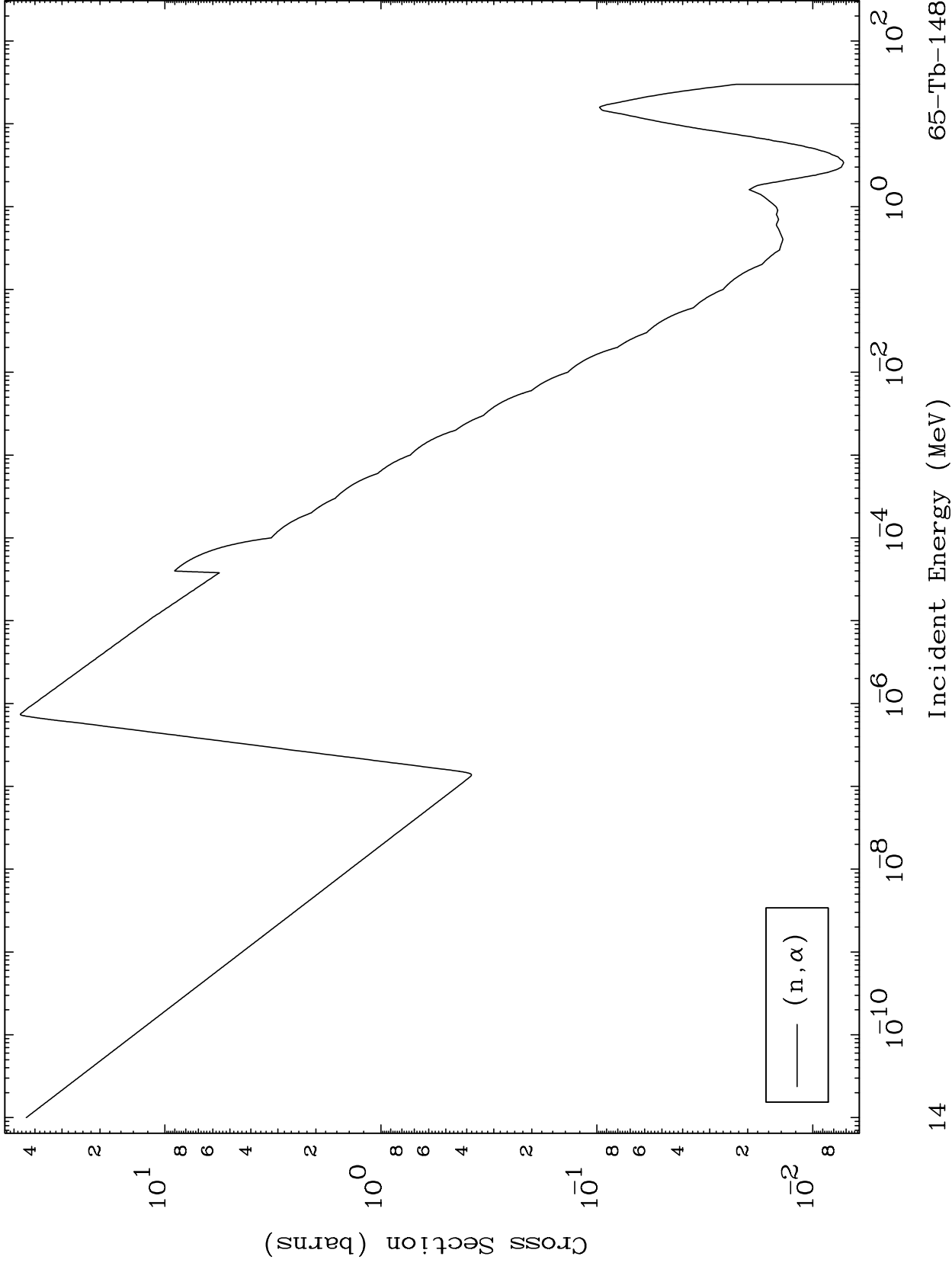
Incident Energy (MeV)

65-Tb-148

MAT 6492

(n, α) Levels
293 Kelvin Cross Sections

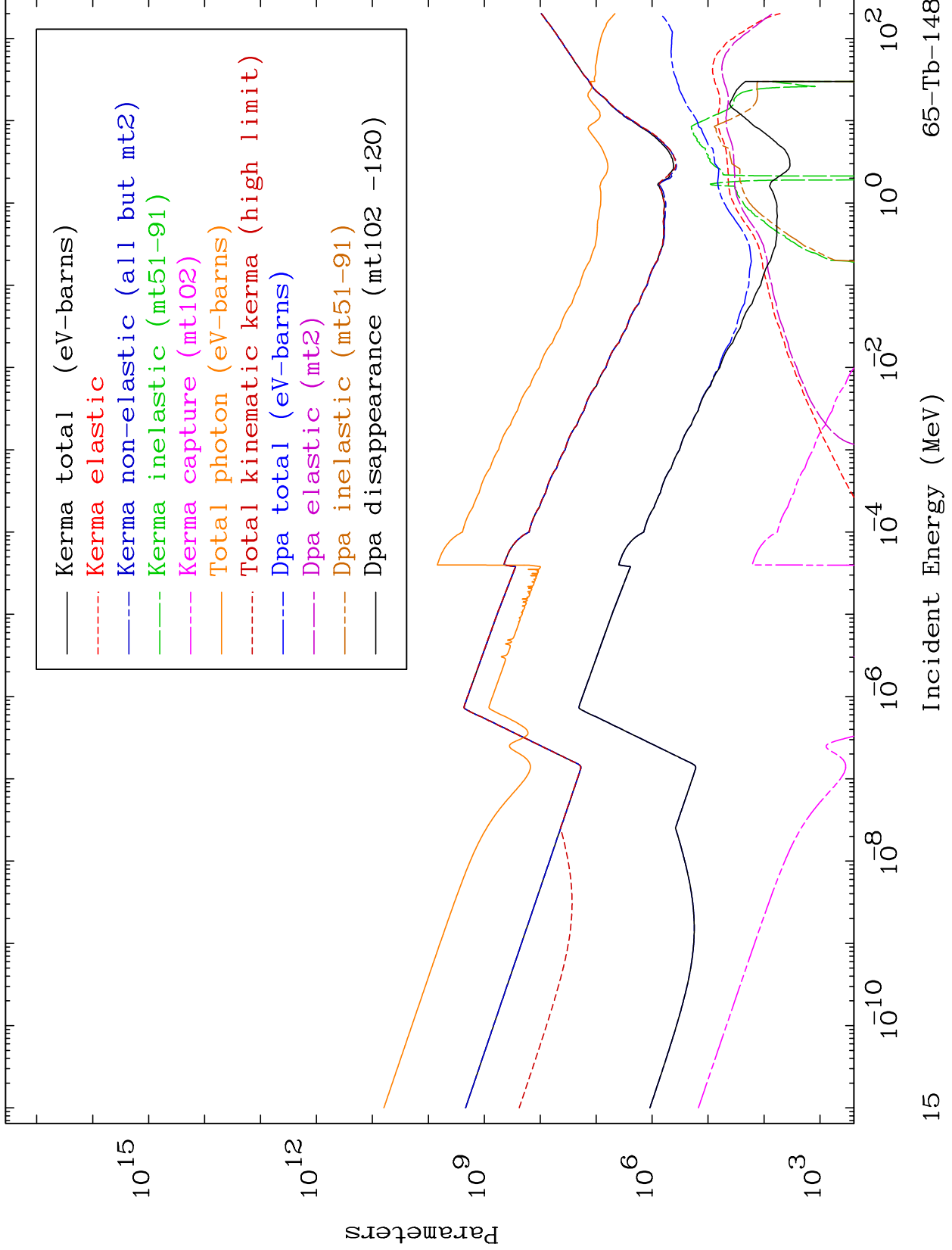
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14

Incident Energy (MeV)

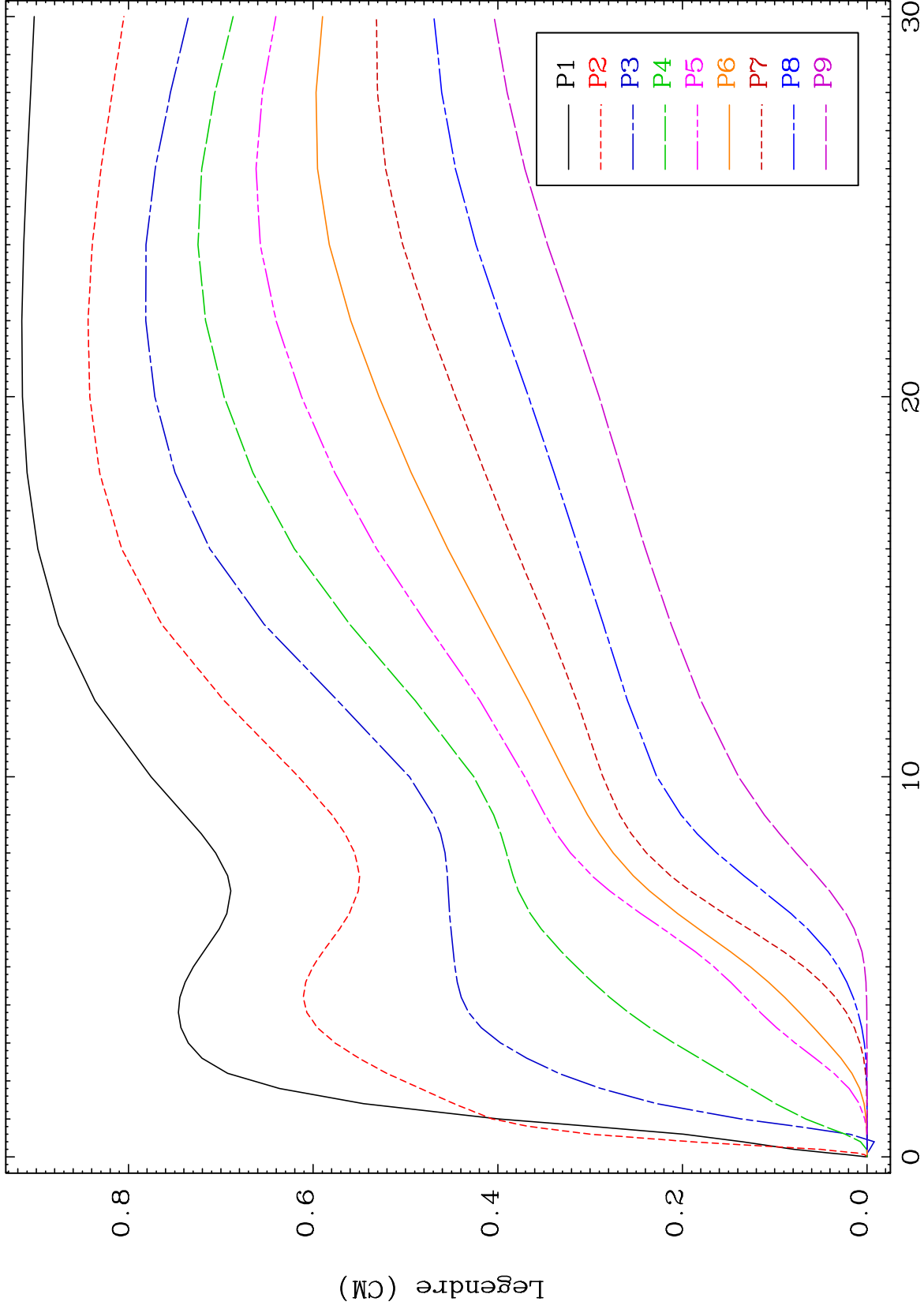
65-Tb-148



MAT 6492

Elastic Legendre Coefficients

65-Tb-148

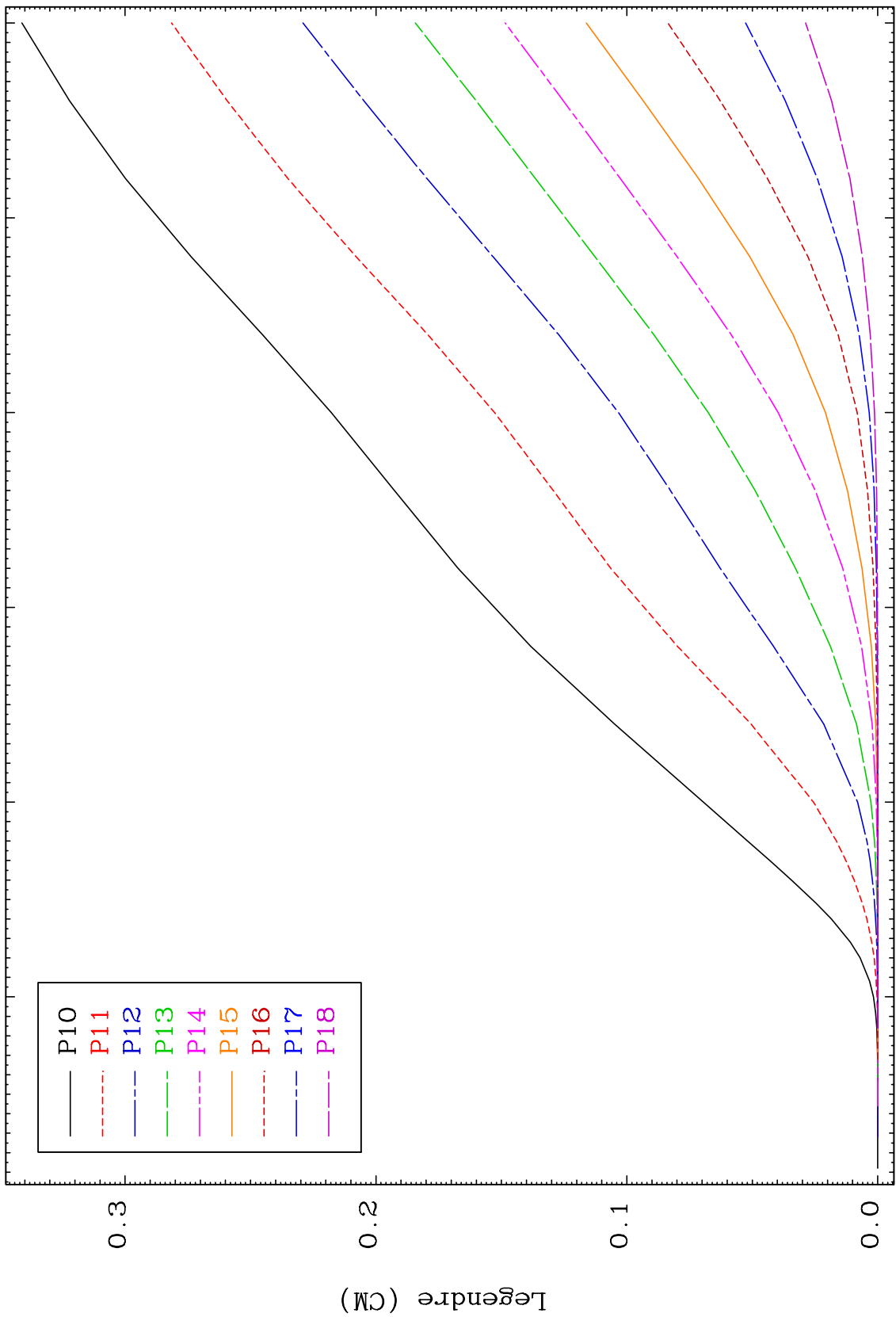


16

Incident Energy (MeV)

65-Tb-148

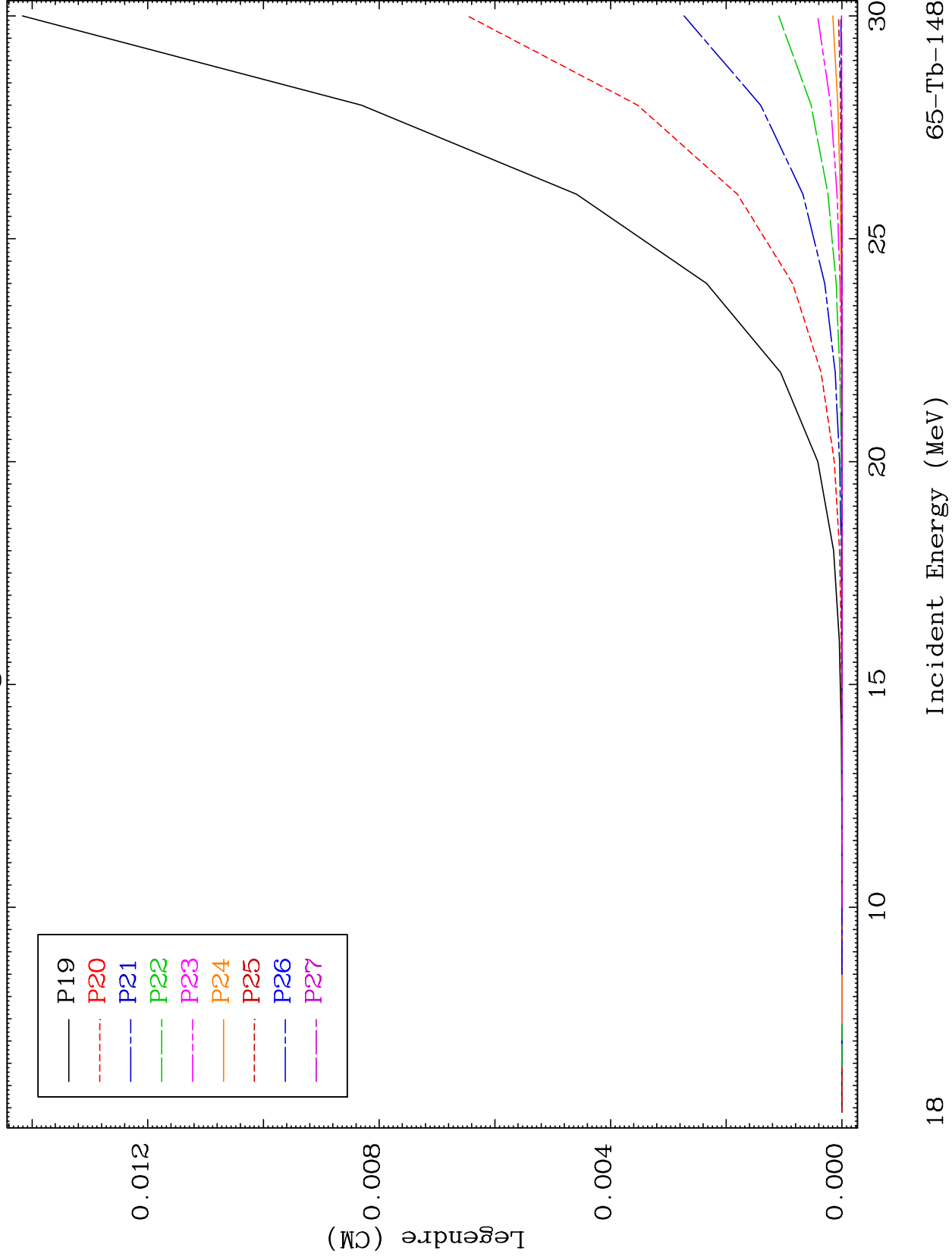
Elastic Legendre Coefficients



MAT 6492

Elastic Legendre Coefficients

65-Tb-148



18

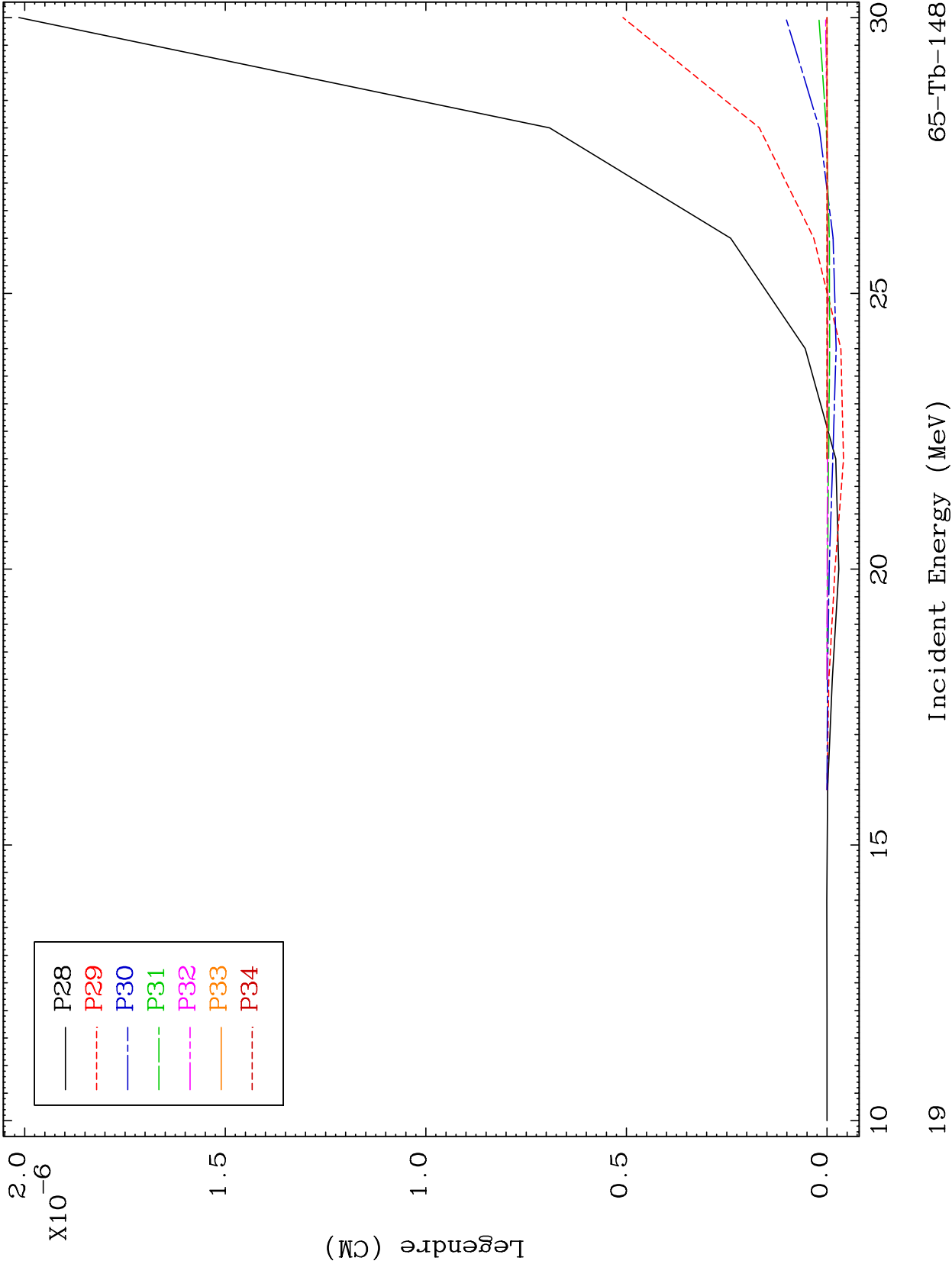
Incident Energy (MeV)

65-Tb-148

MAT 6492

Elastic Legendre Coefficients

65-Tb-148



19

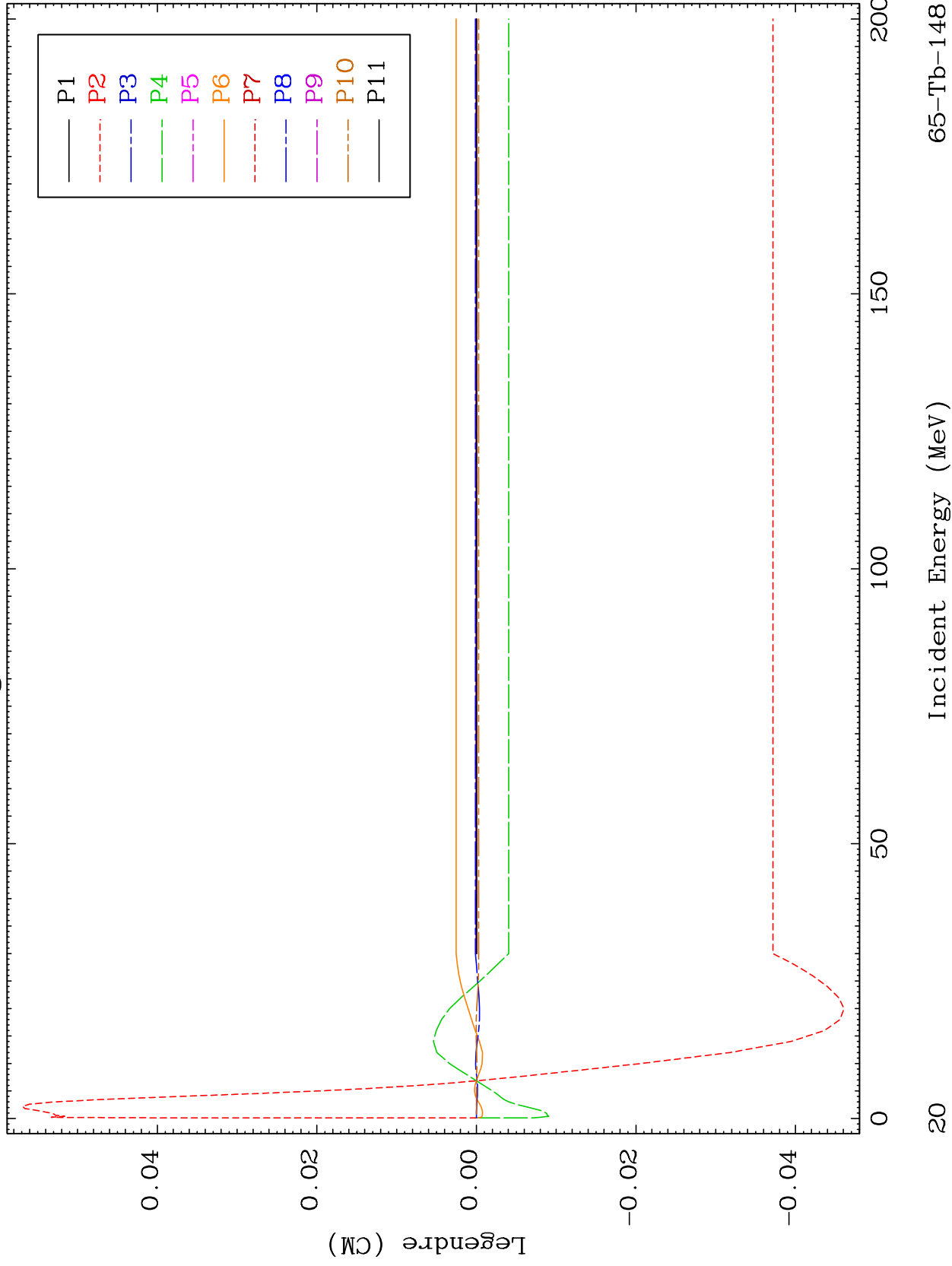
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

65-Tb-148



65-Tb-148

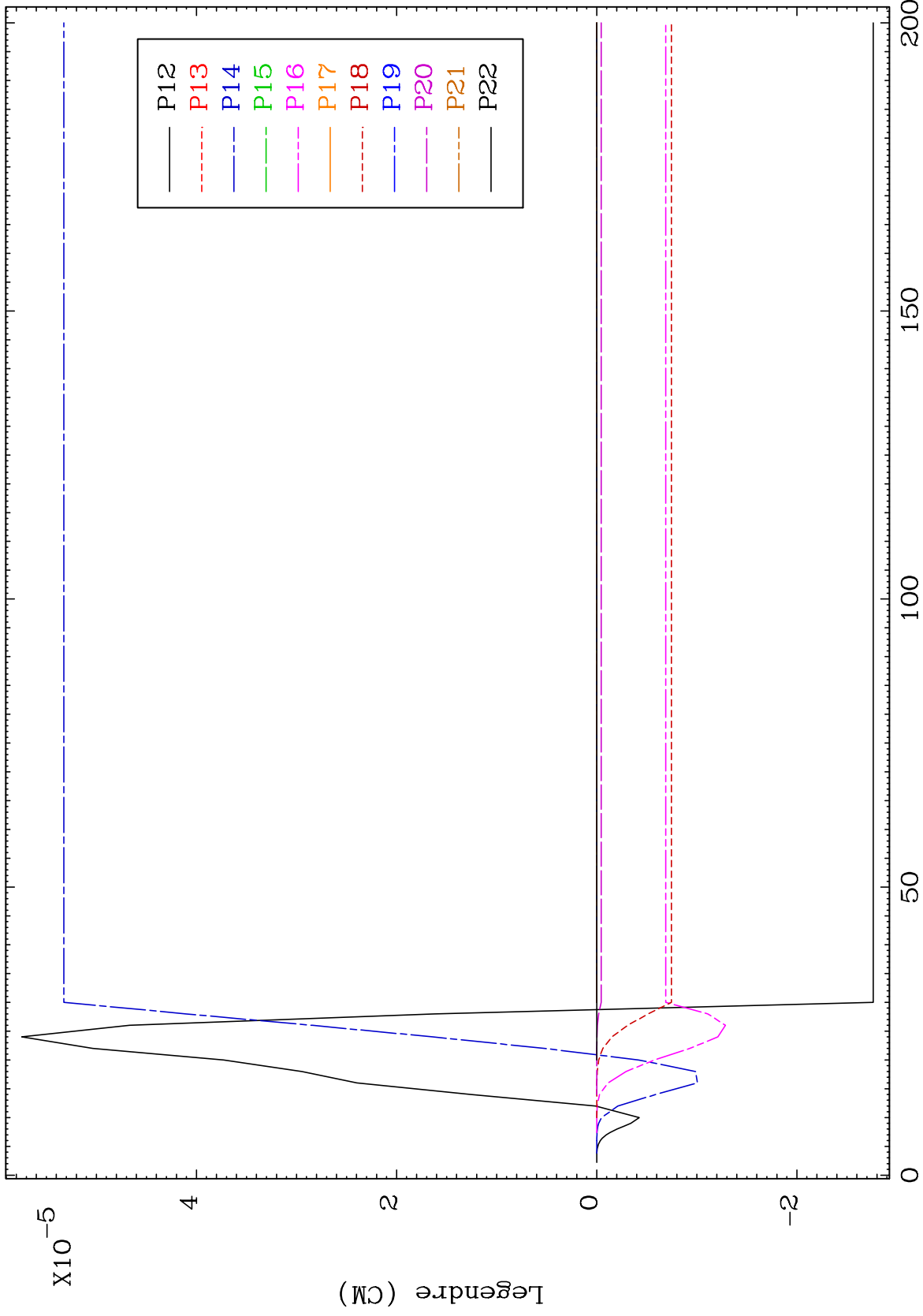
Incident Energy (MeV)

0

MAT 6492

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

65-Tb-148



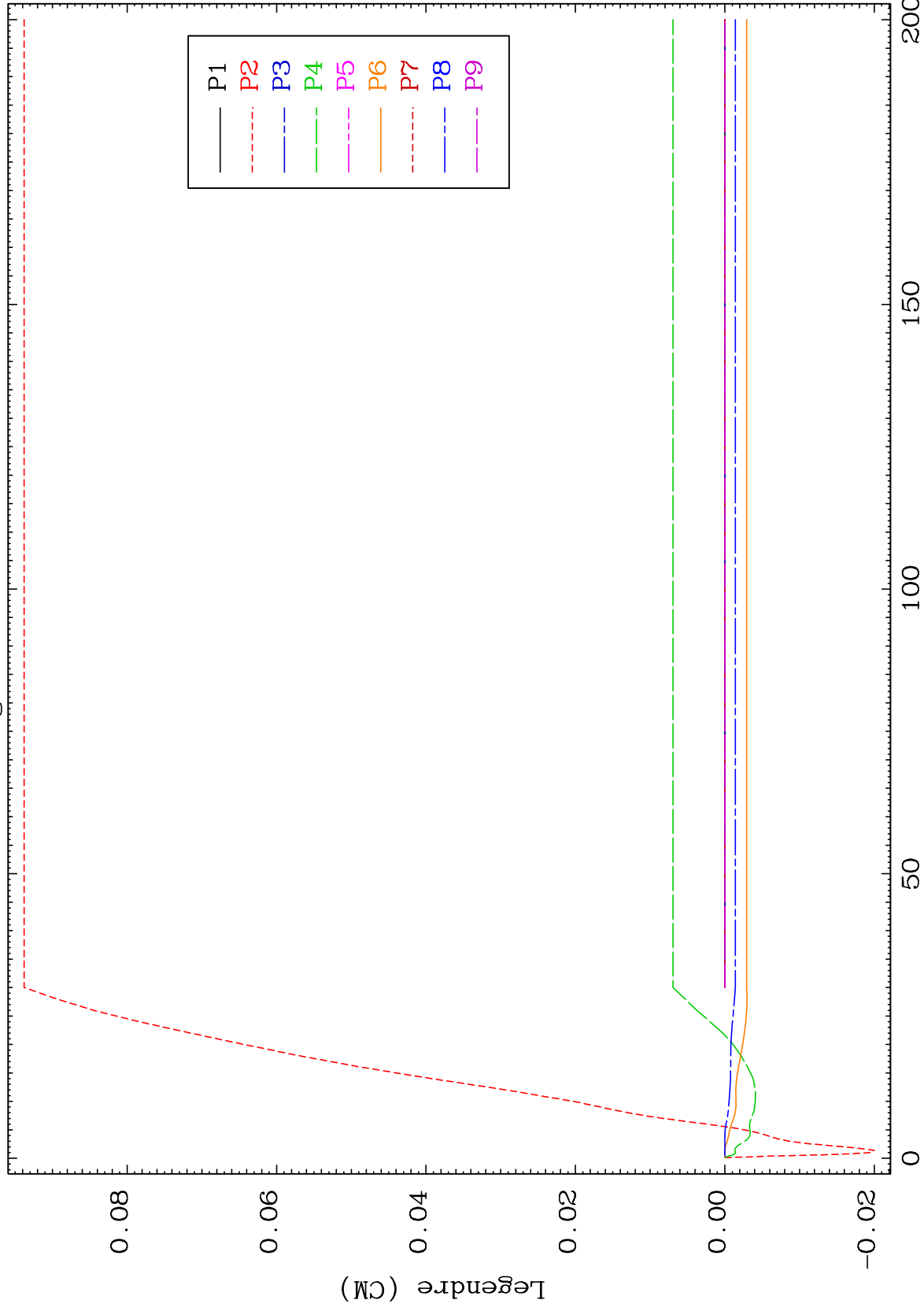
21

65-Tb-148

MAT 6492

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

65-Tb-148



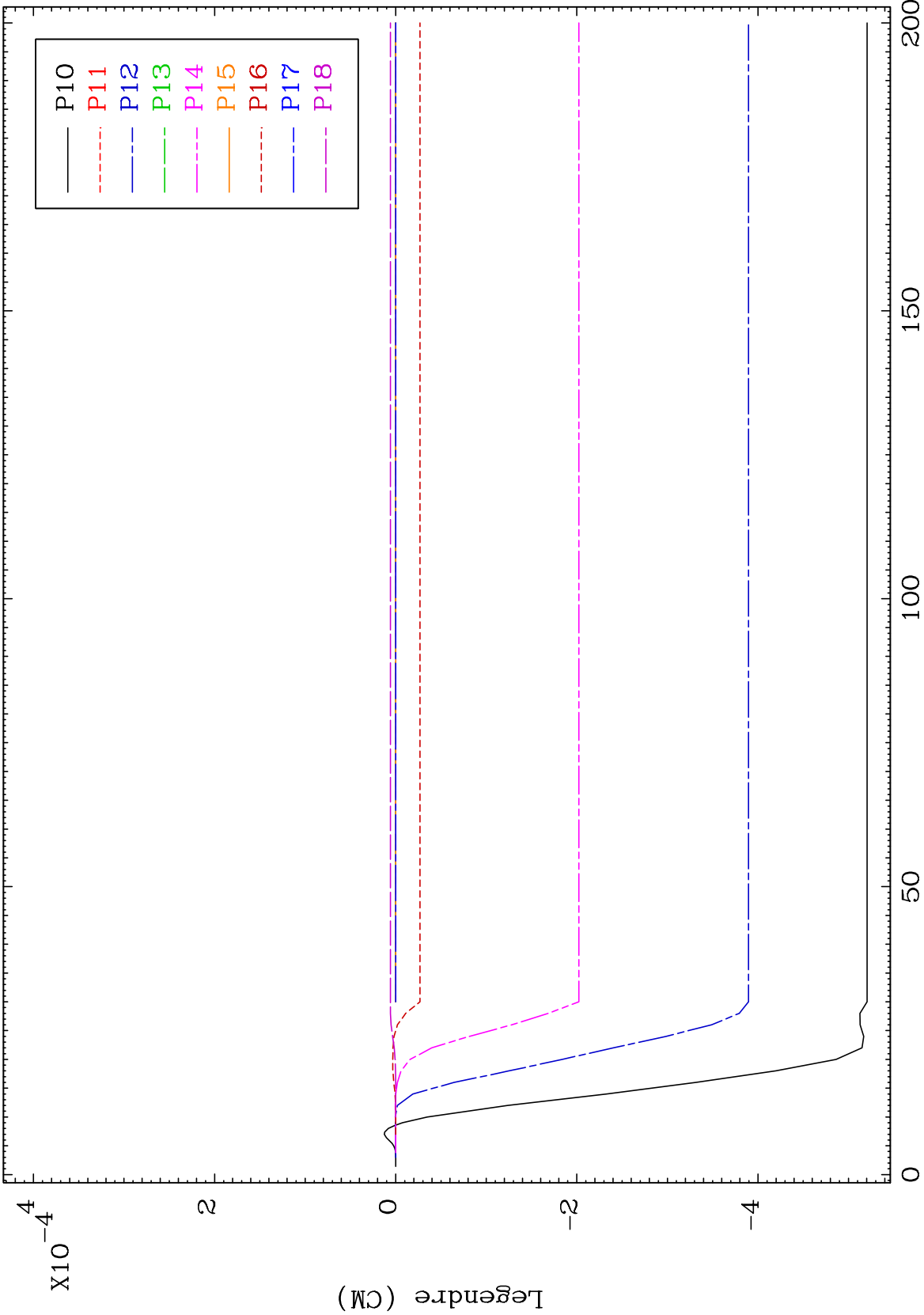
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65-Tb-148

MAT 6492

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

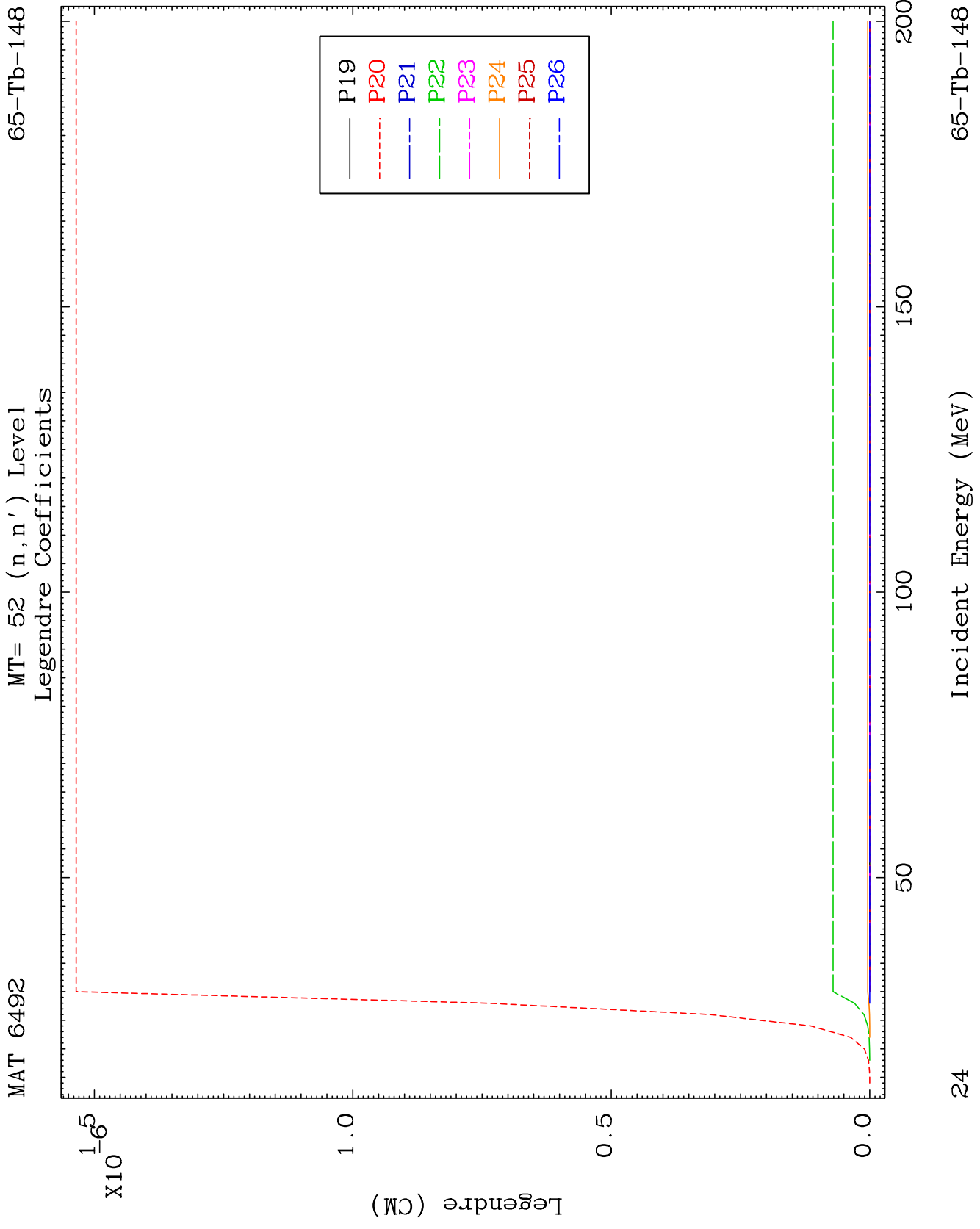
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23

Incident Energy (MeV)

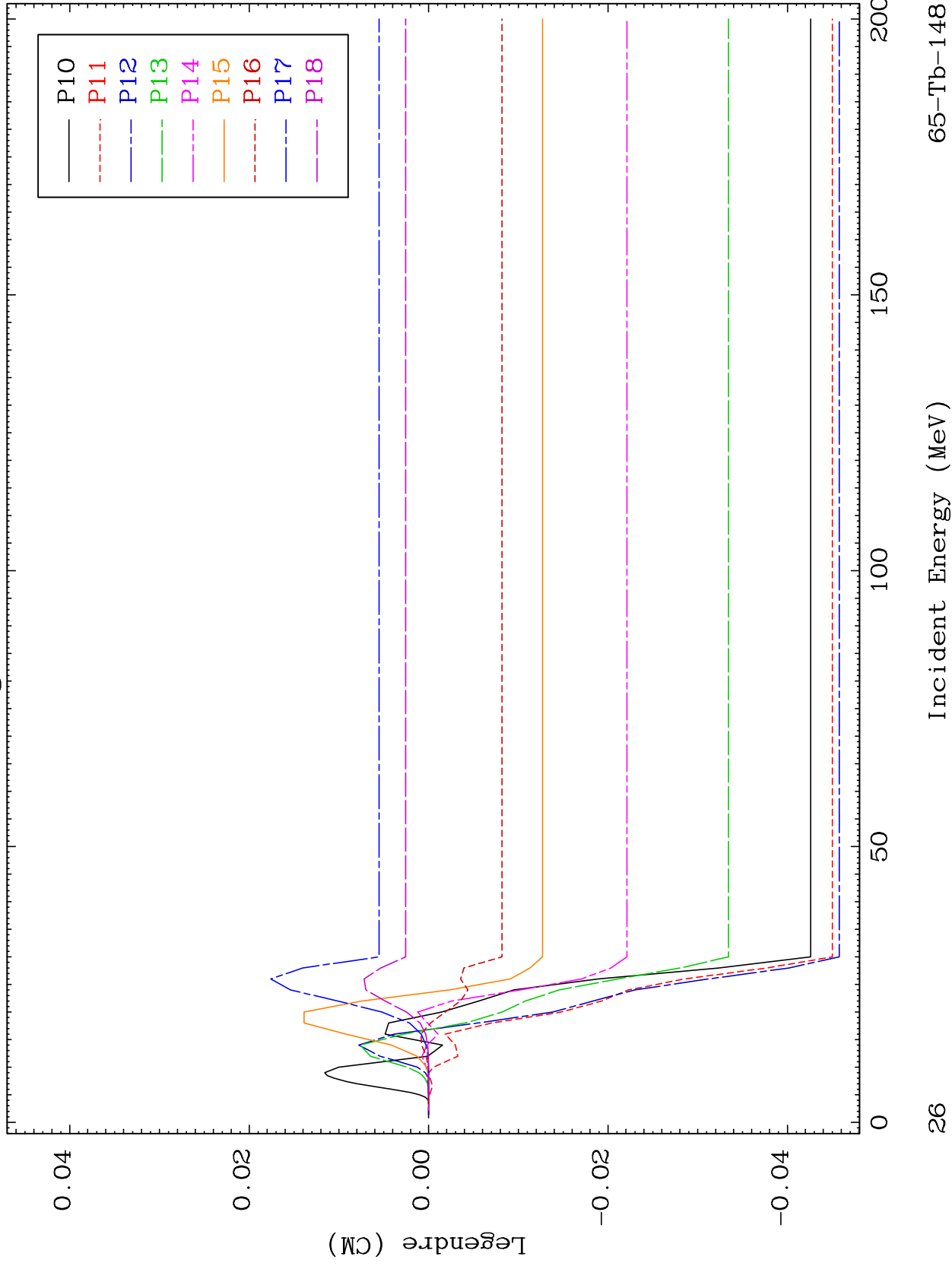
65-Tb-148



MAT 6492

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

65-Tb-148



26

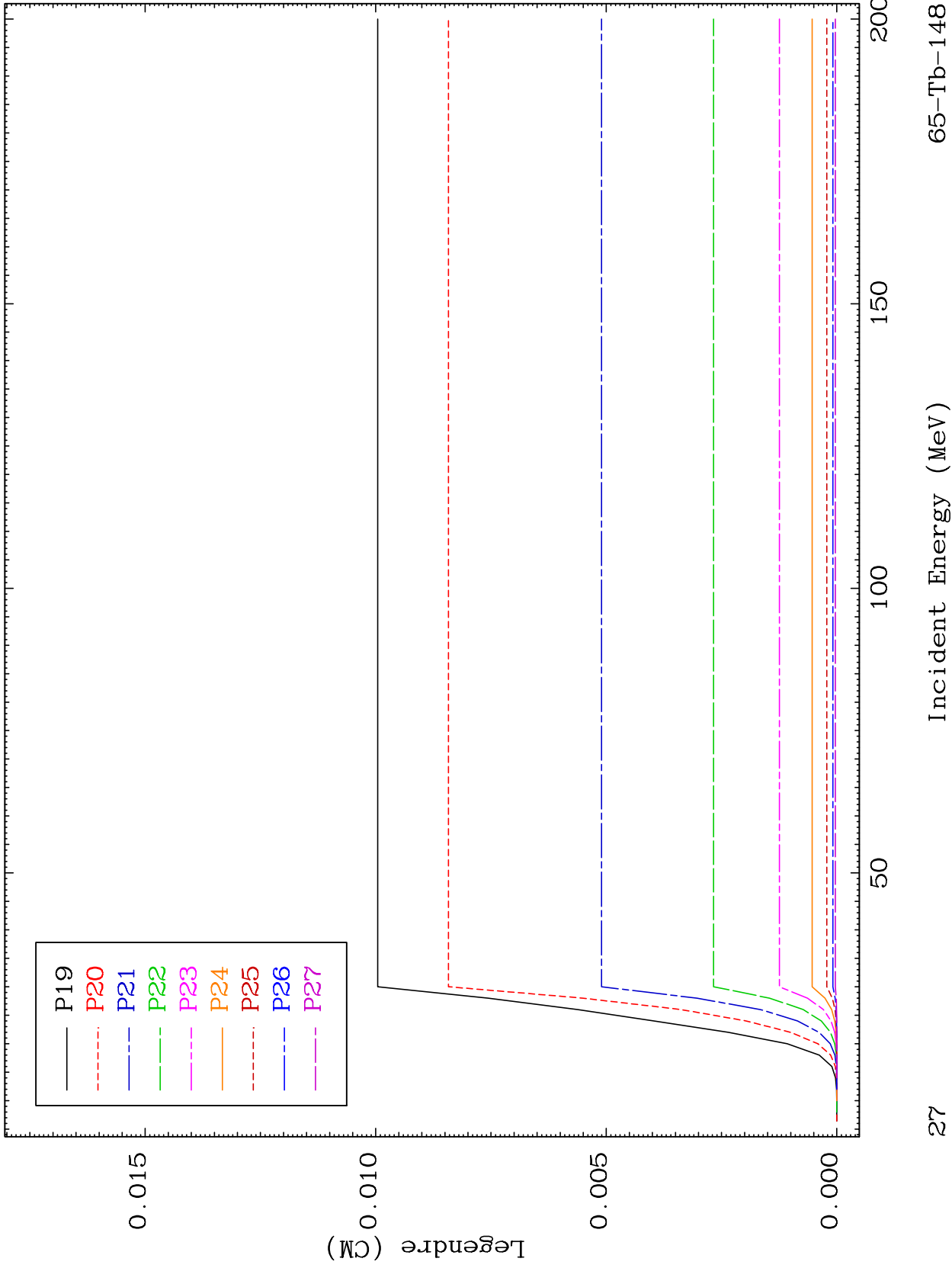
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

65-Tb-148



27

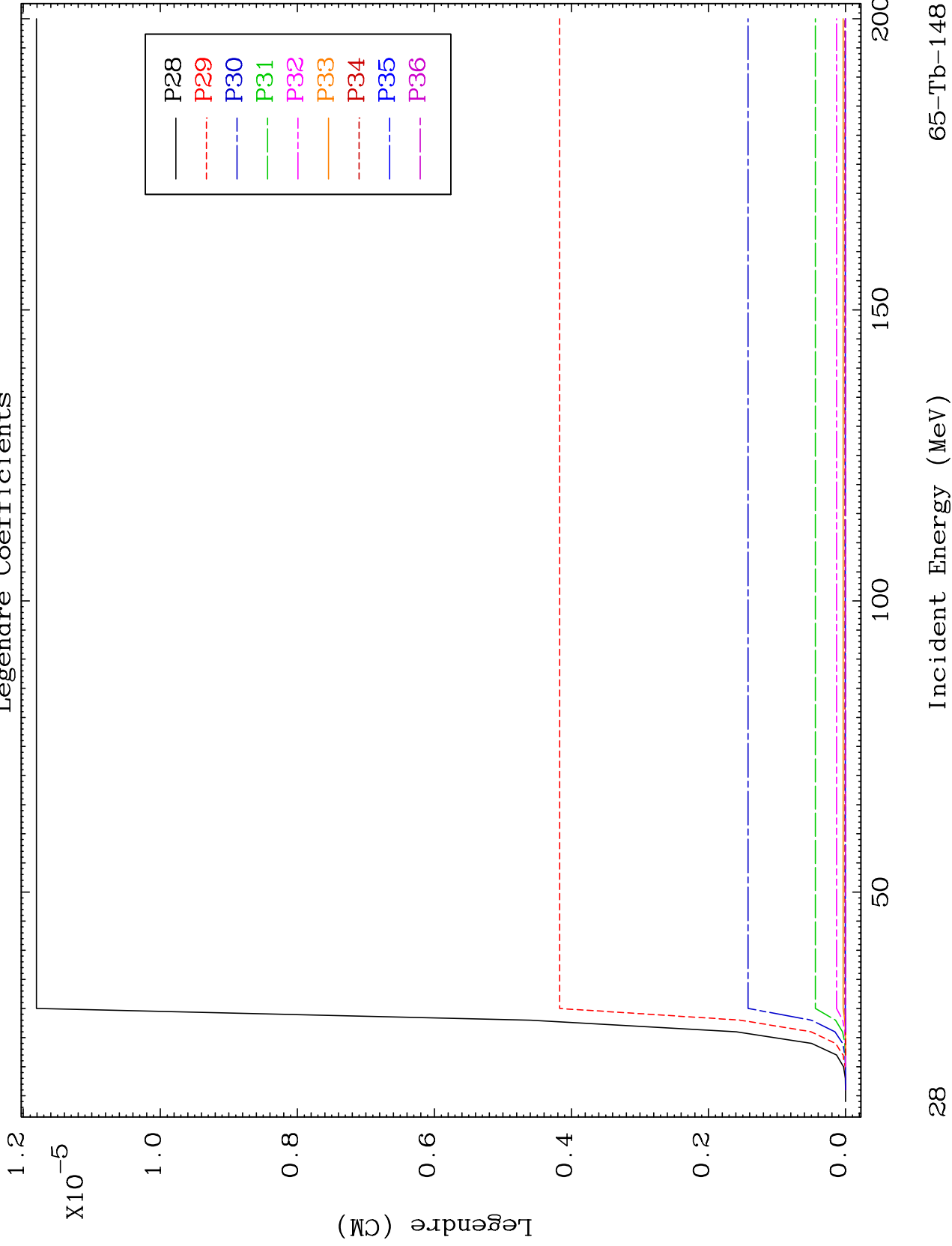
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

65-Tb-148



28

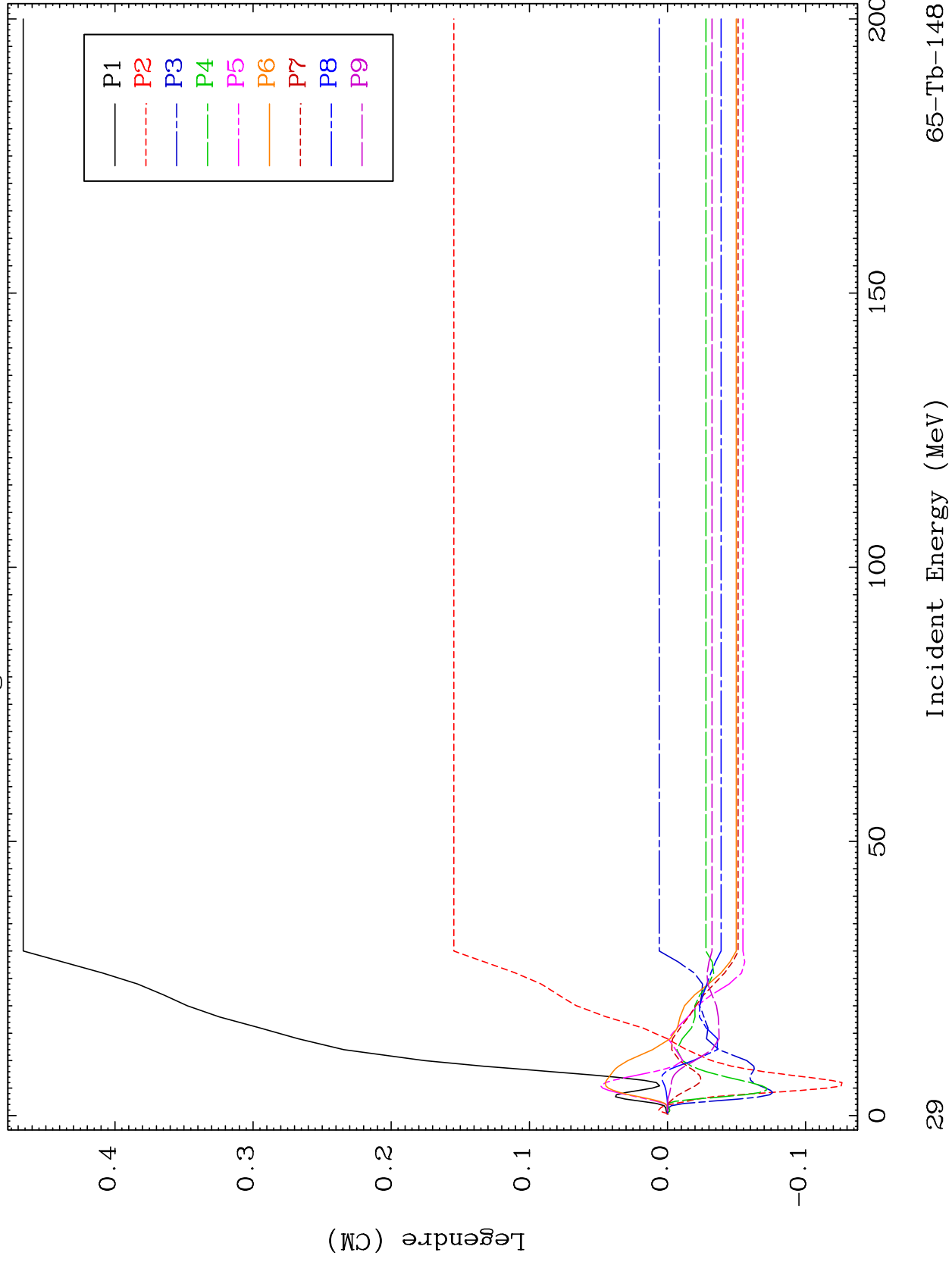
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

65-Tb-148



65-Tb-148

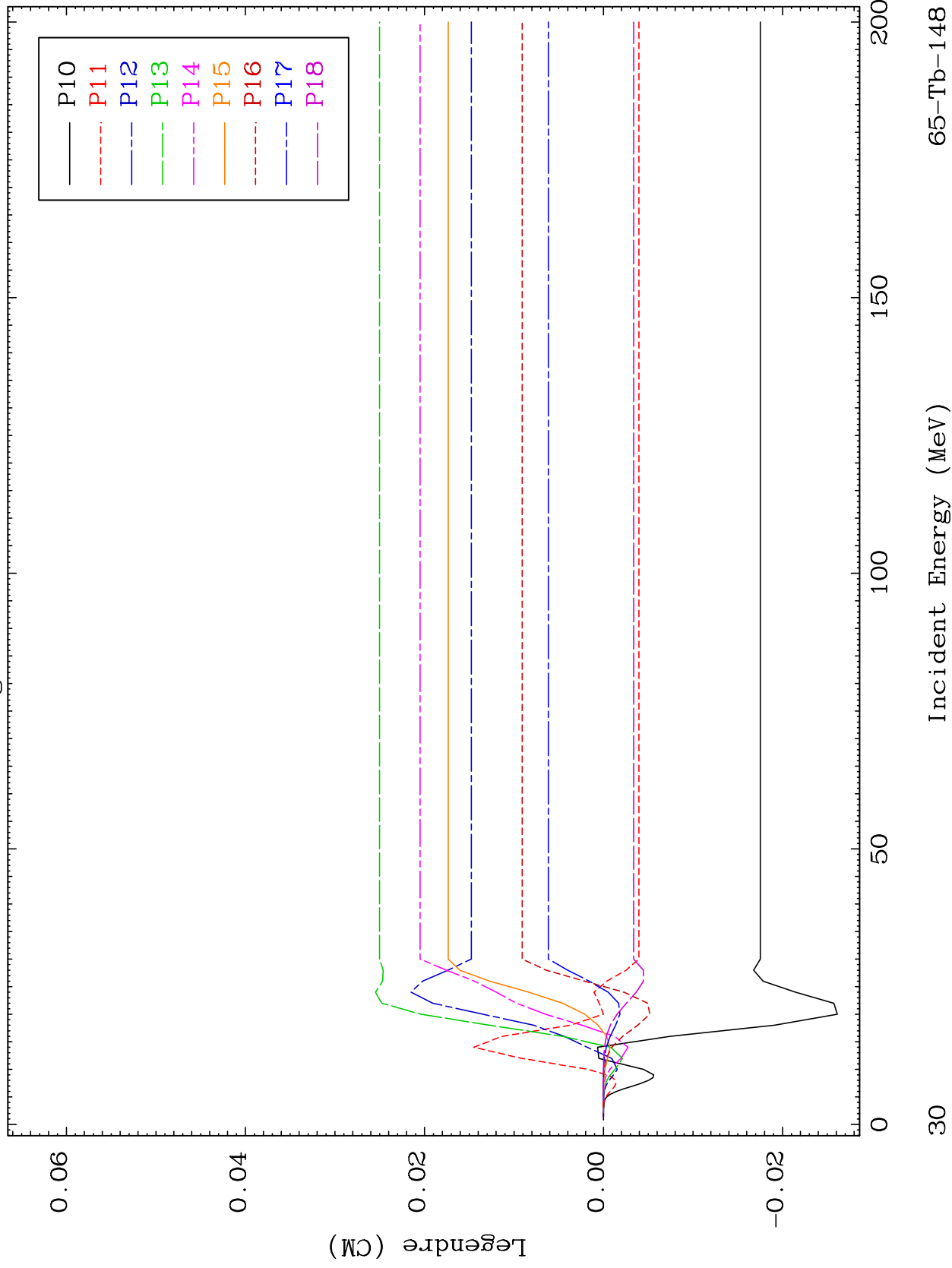
Incident Energy (MeV)

29

MAT 6492

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

65-Tb-148

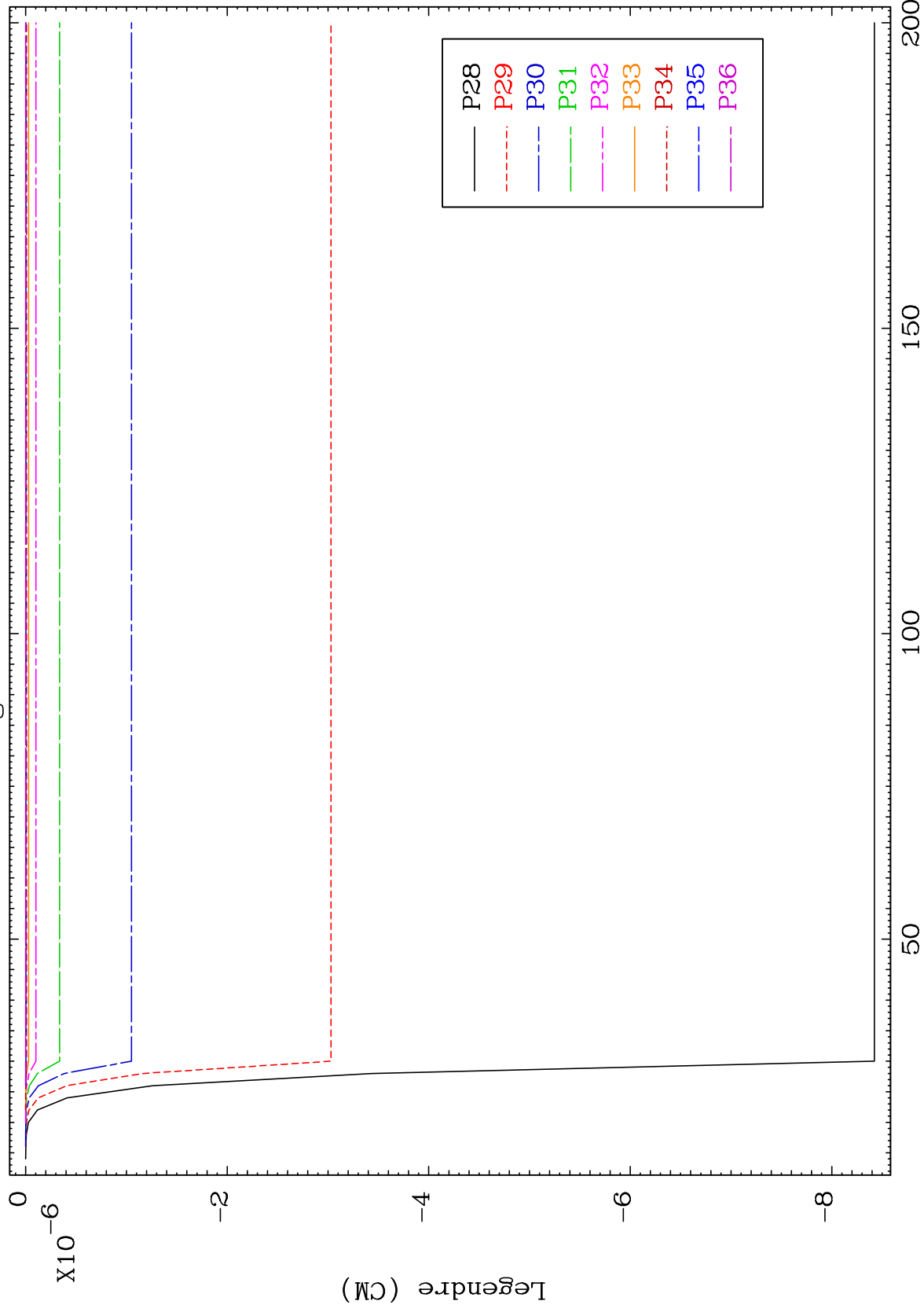


65-Tb-148

MAT 6492

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

65-Tb-148



32

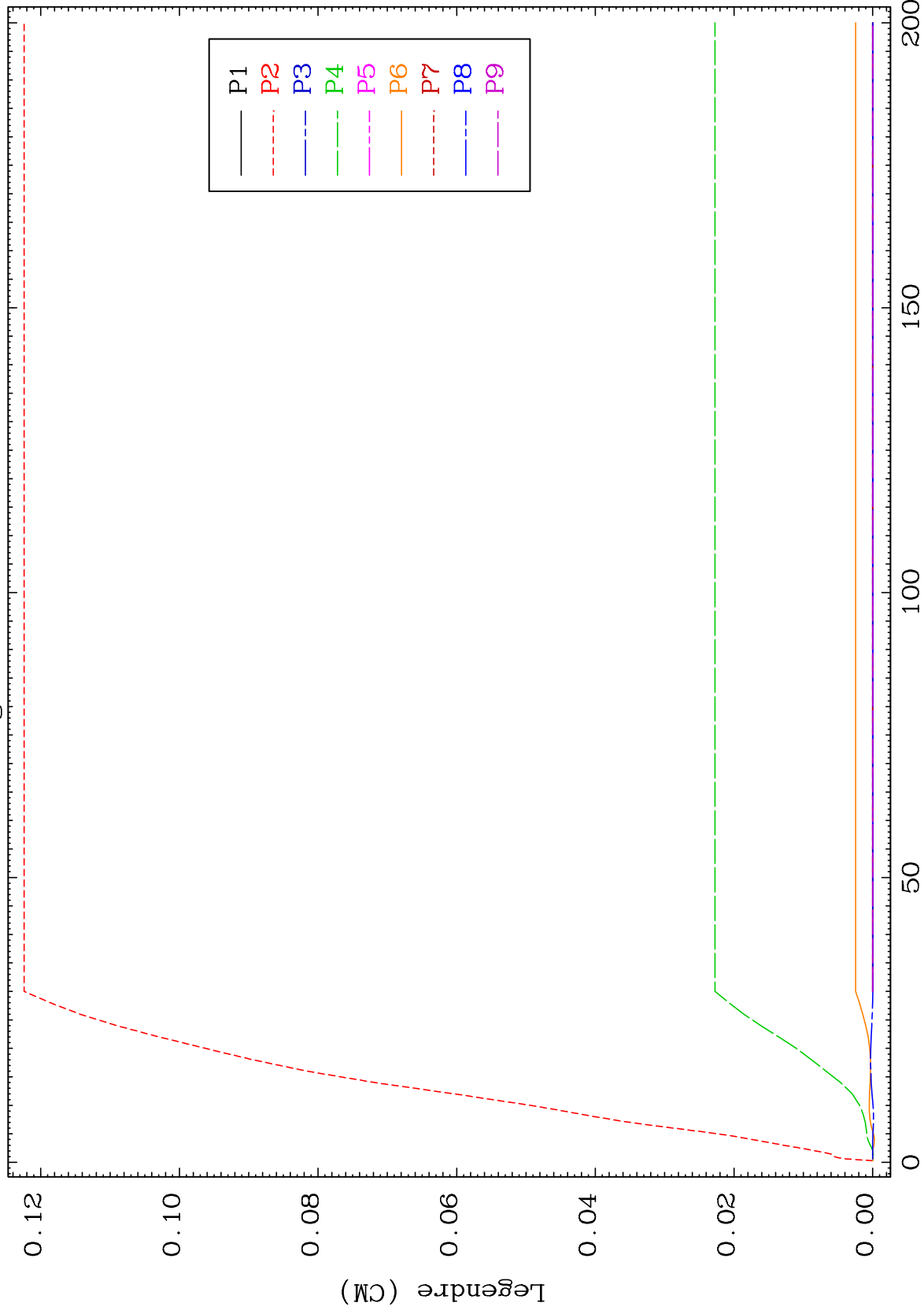
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

65-Tb-148



33

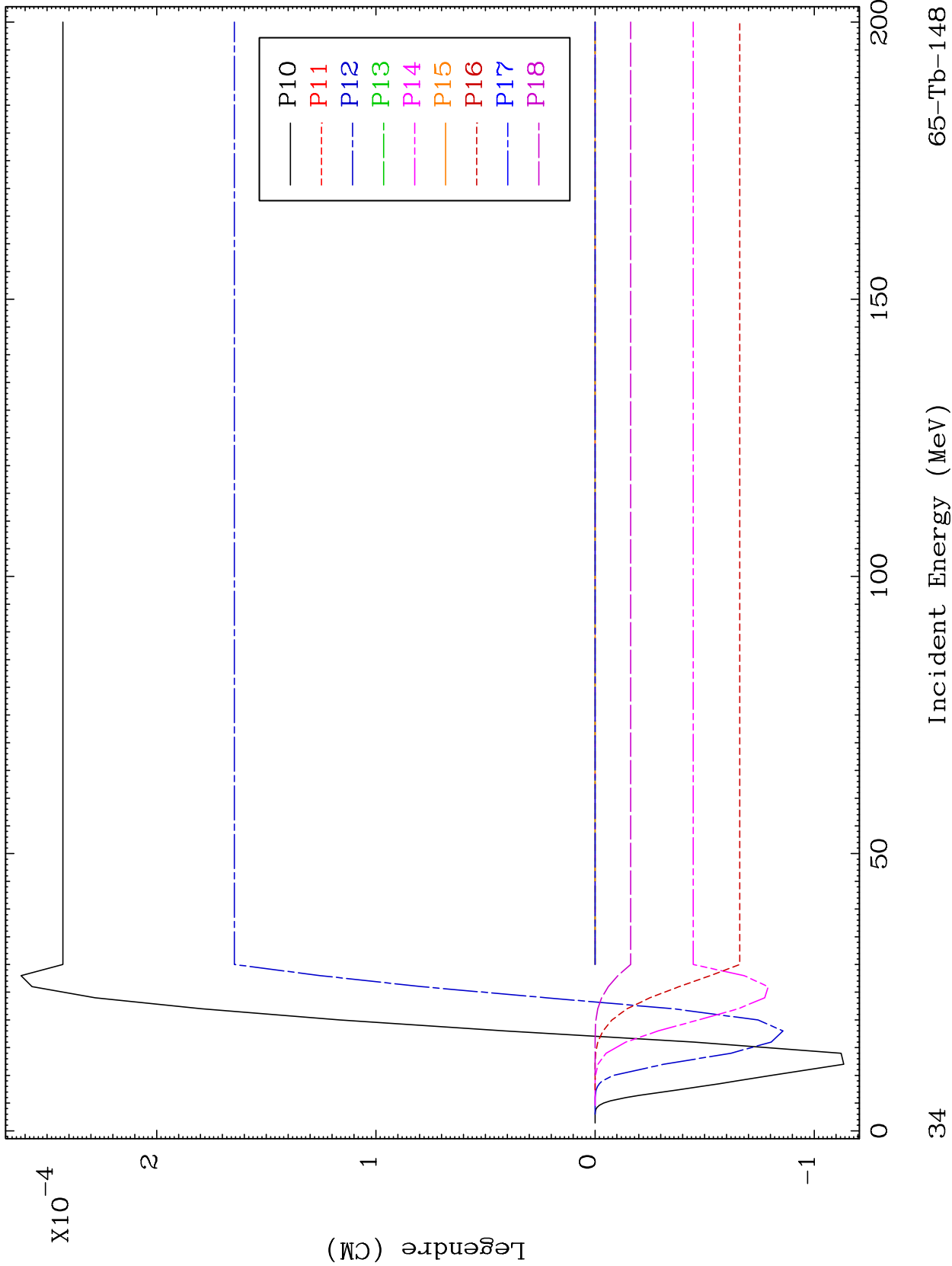
Incident Energy (MeV)

65-Tb-148

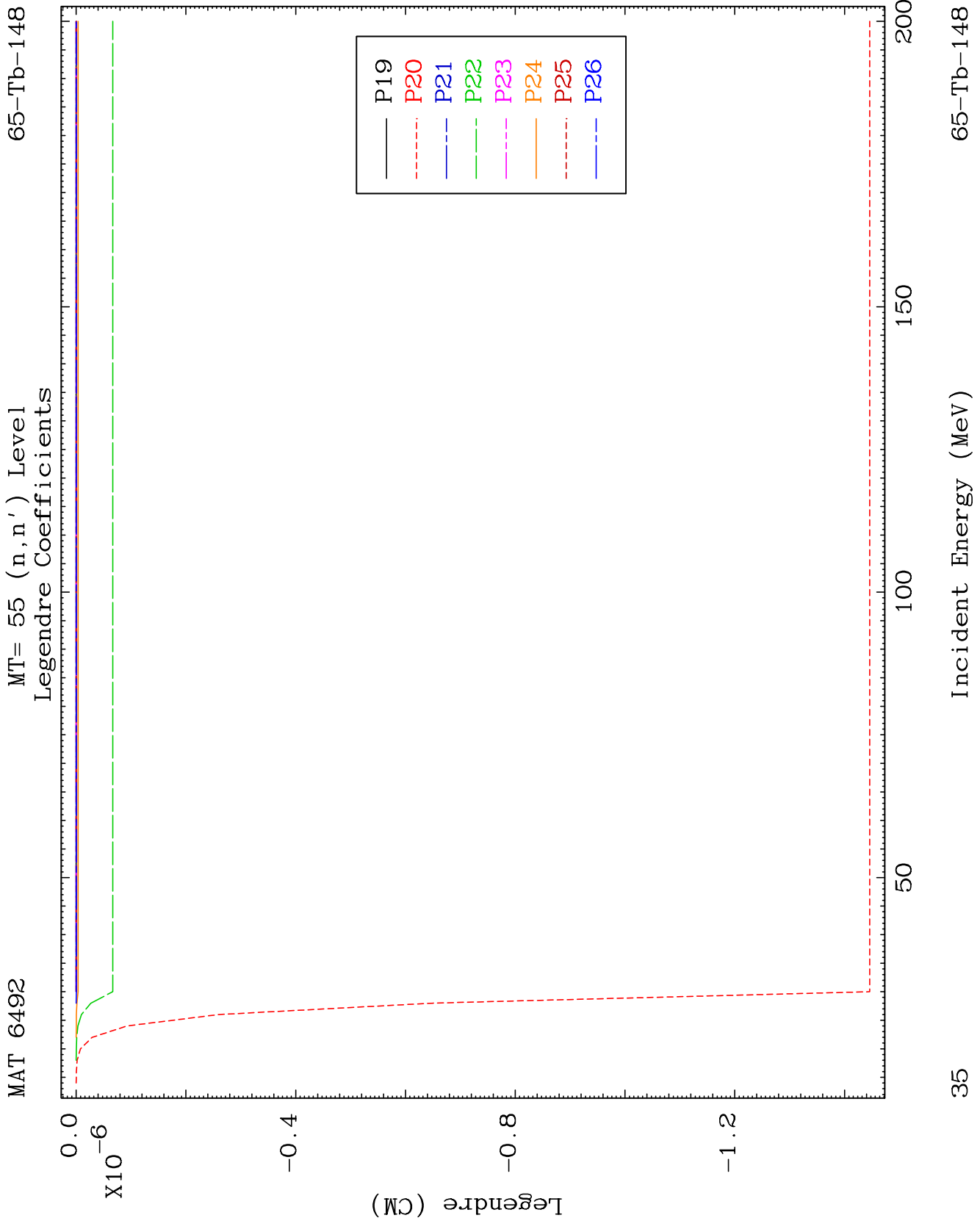
MAT 6492

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

65-Tb-148



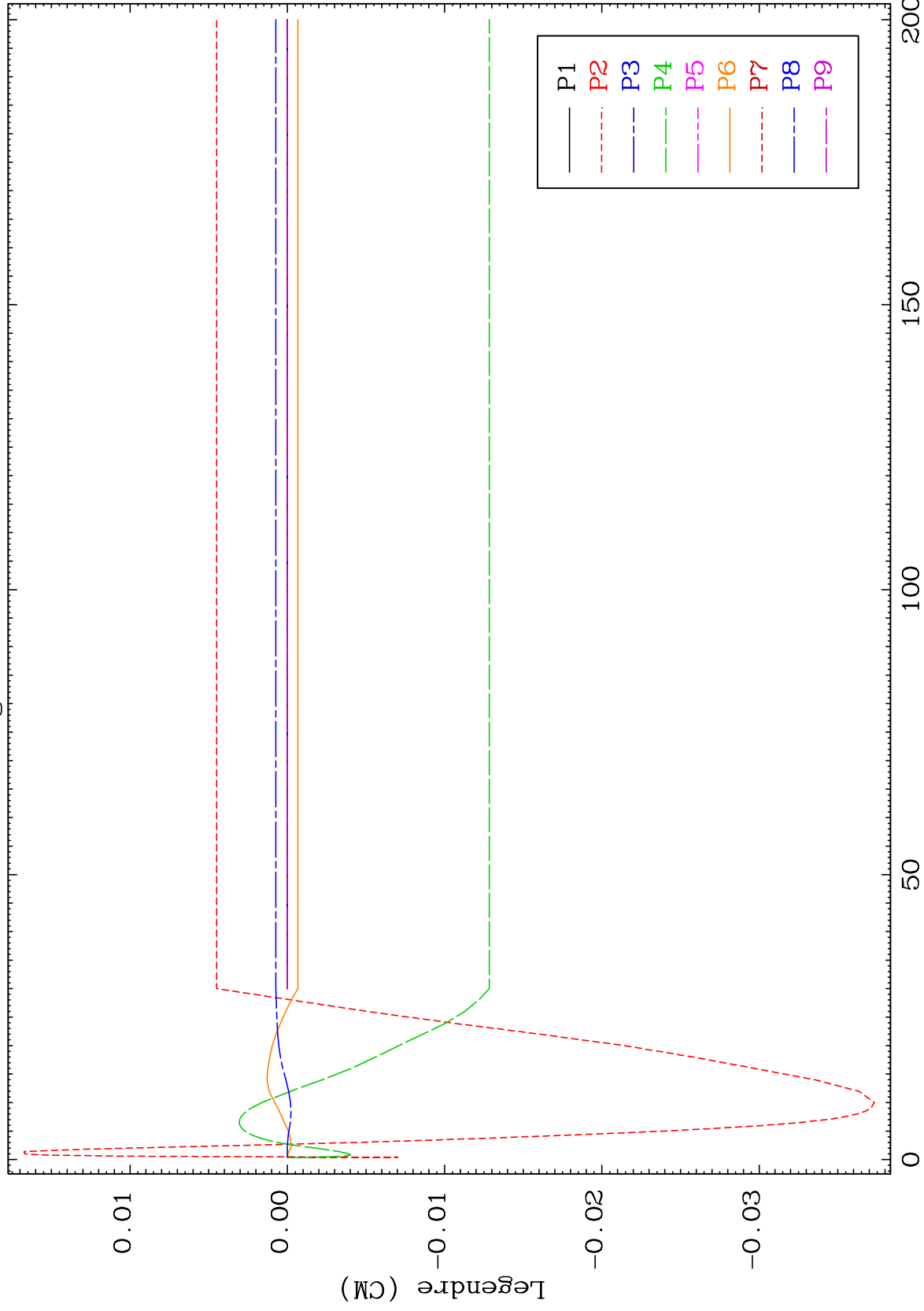
34



MAT 6492

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

65-Tb-148



65-Tb-148

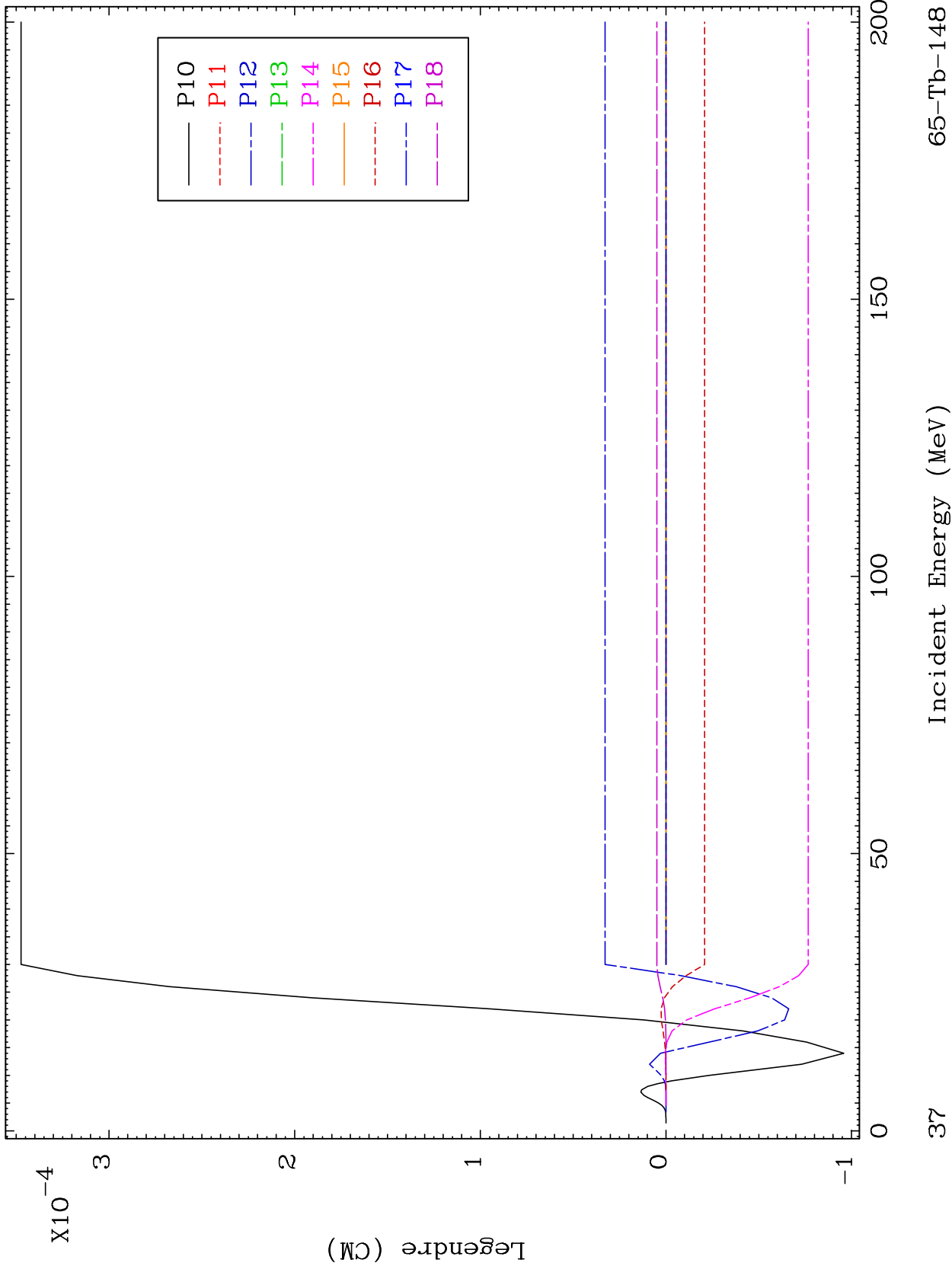
Incident Energy (MeV)

36

MAT 6492

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

65-Tb-148



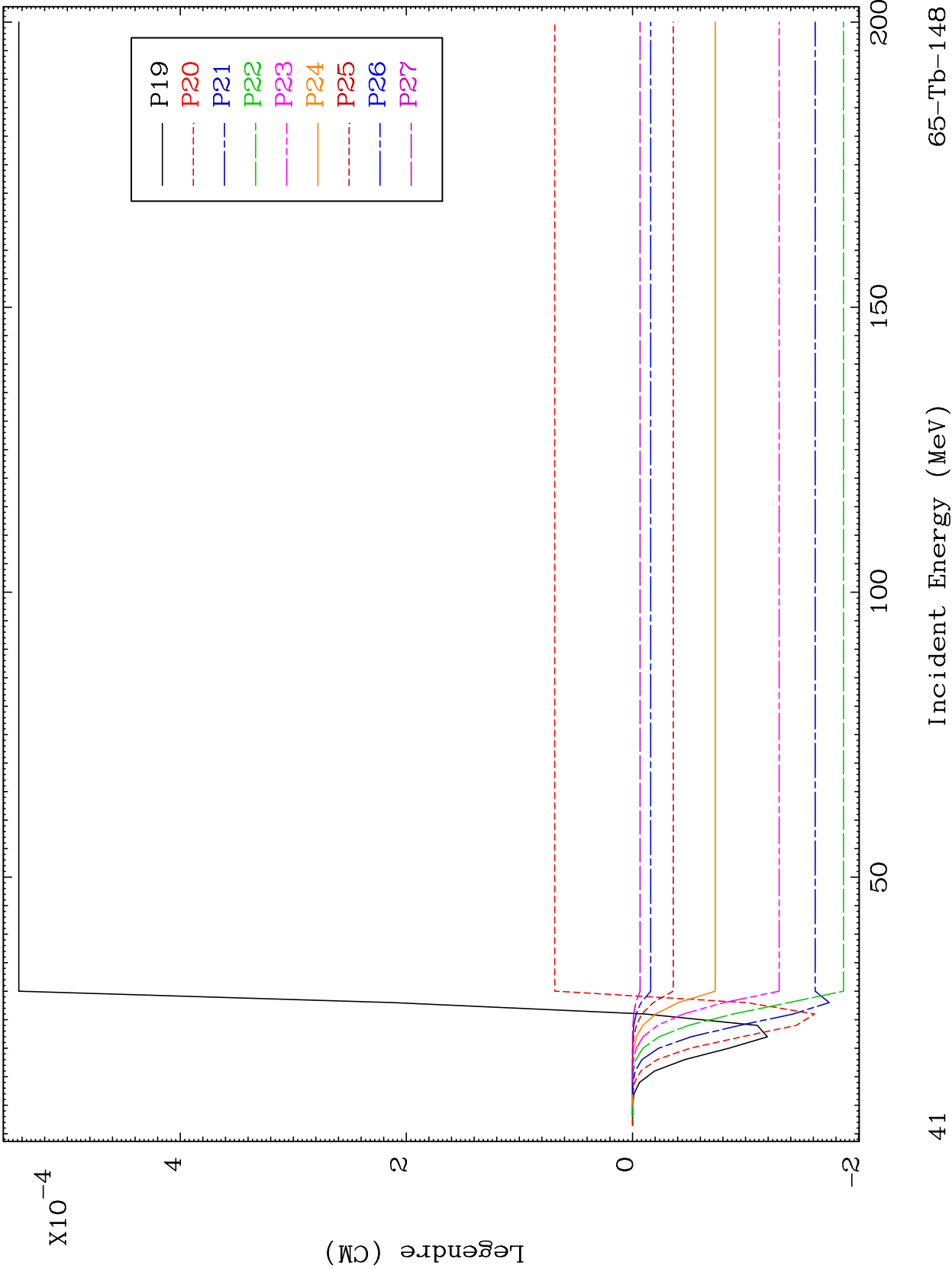
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65-Tb-148

MAT 6492

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

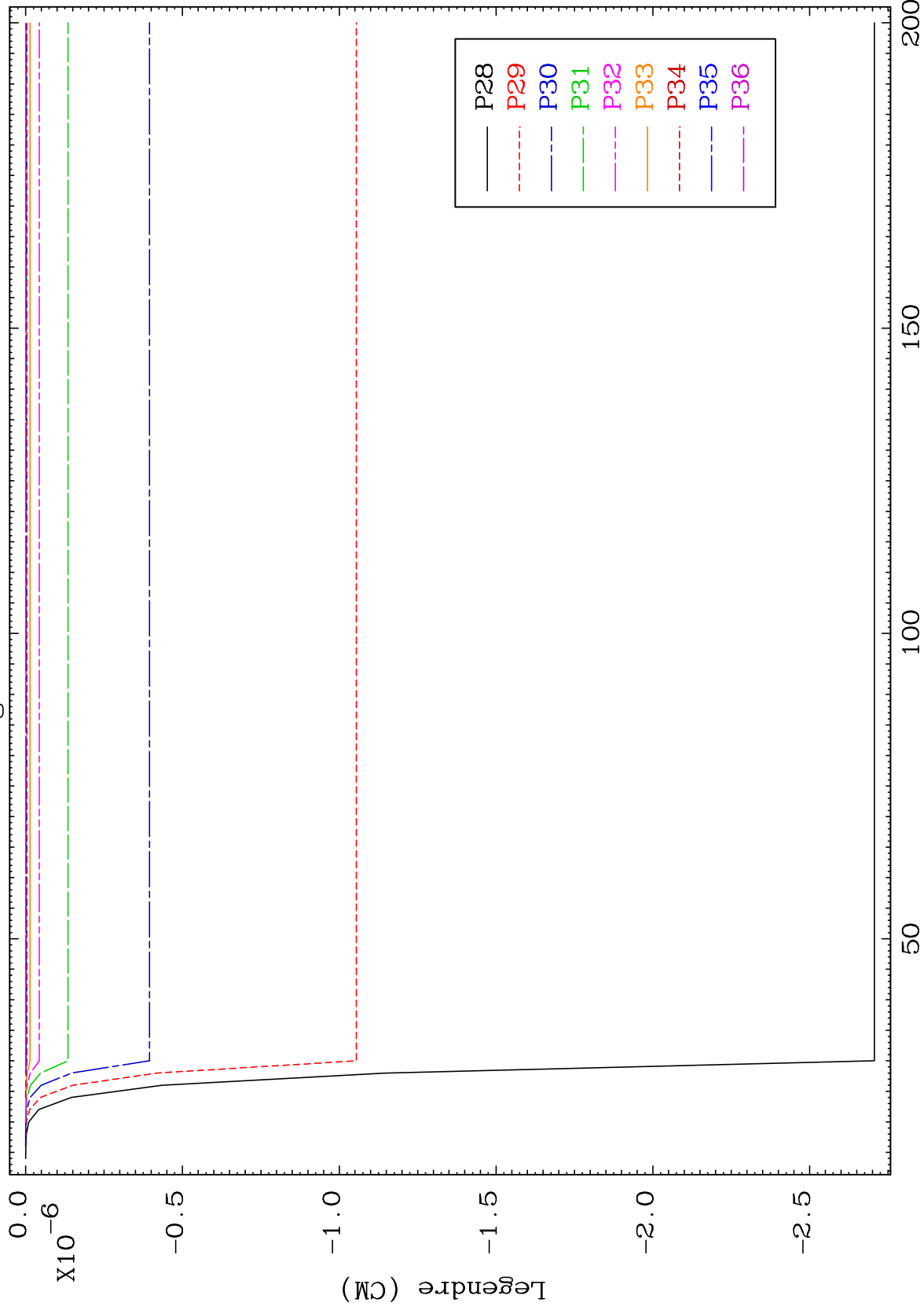
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MAT 6492

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

65-Tb-148



42

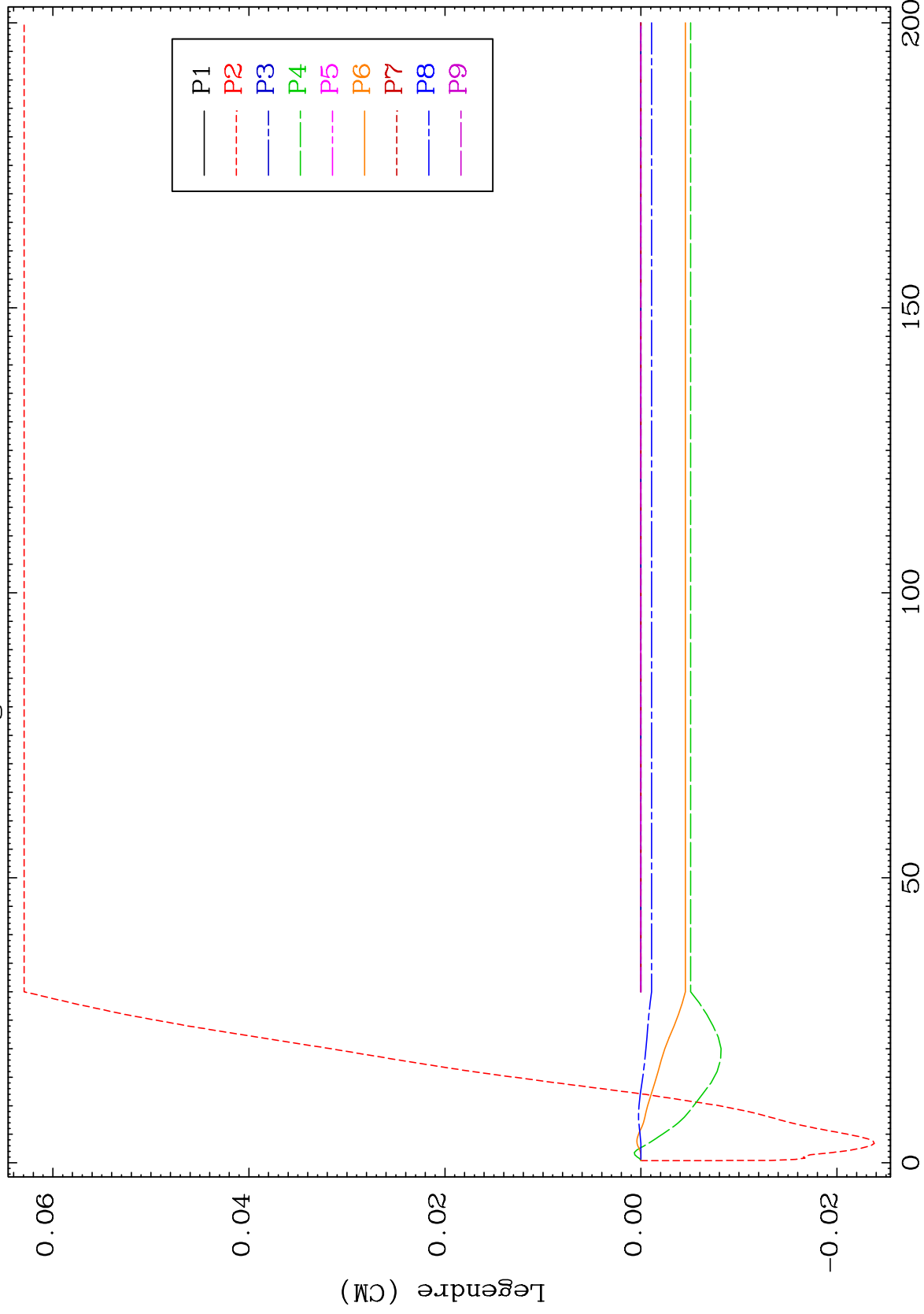
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

65-Tb-148



43

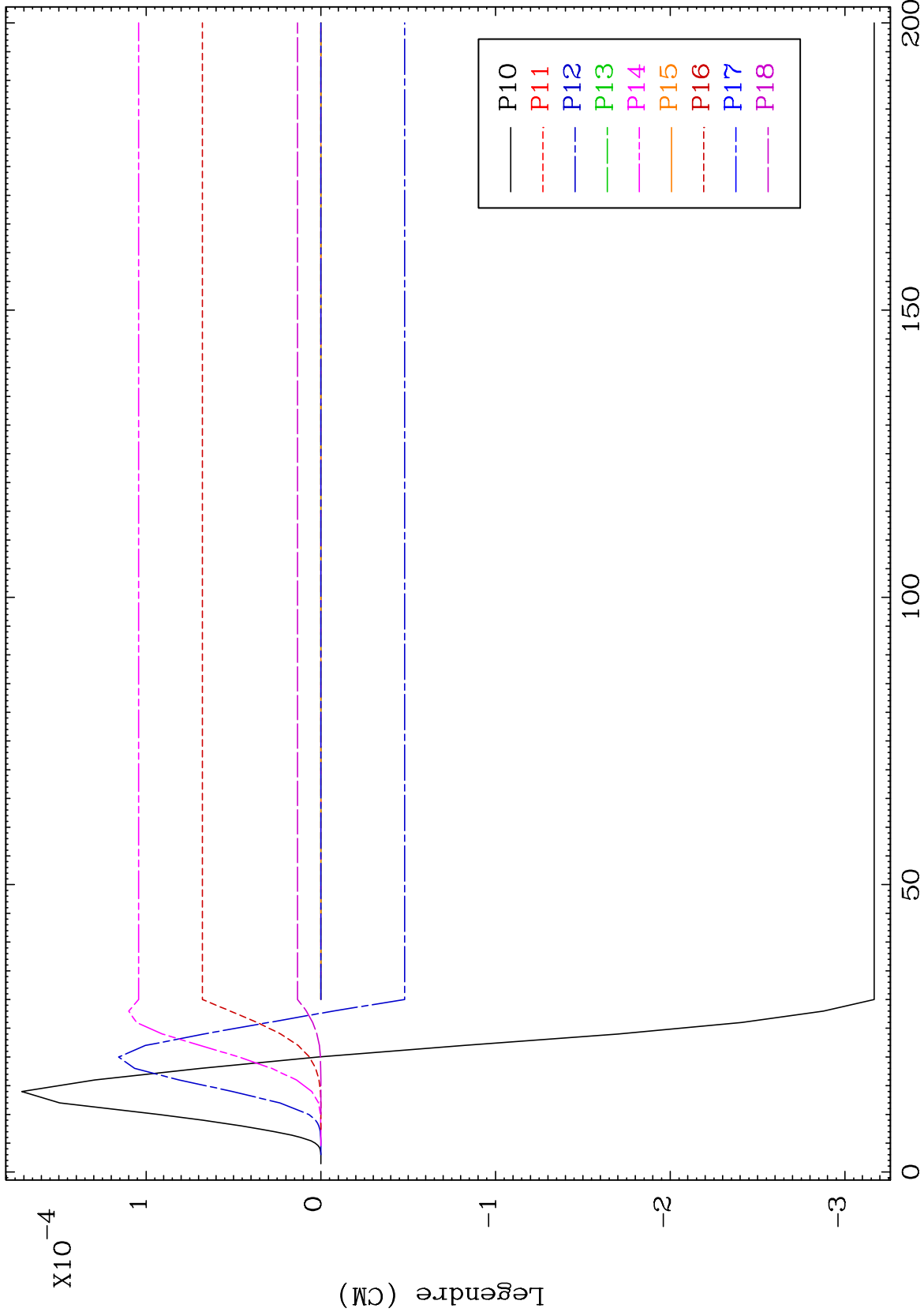
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

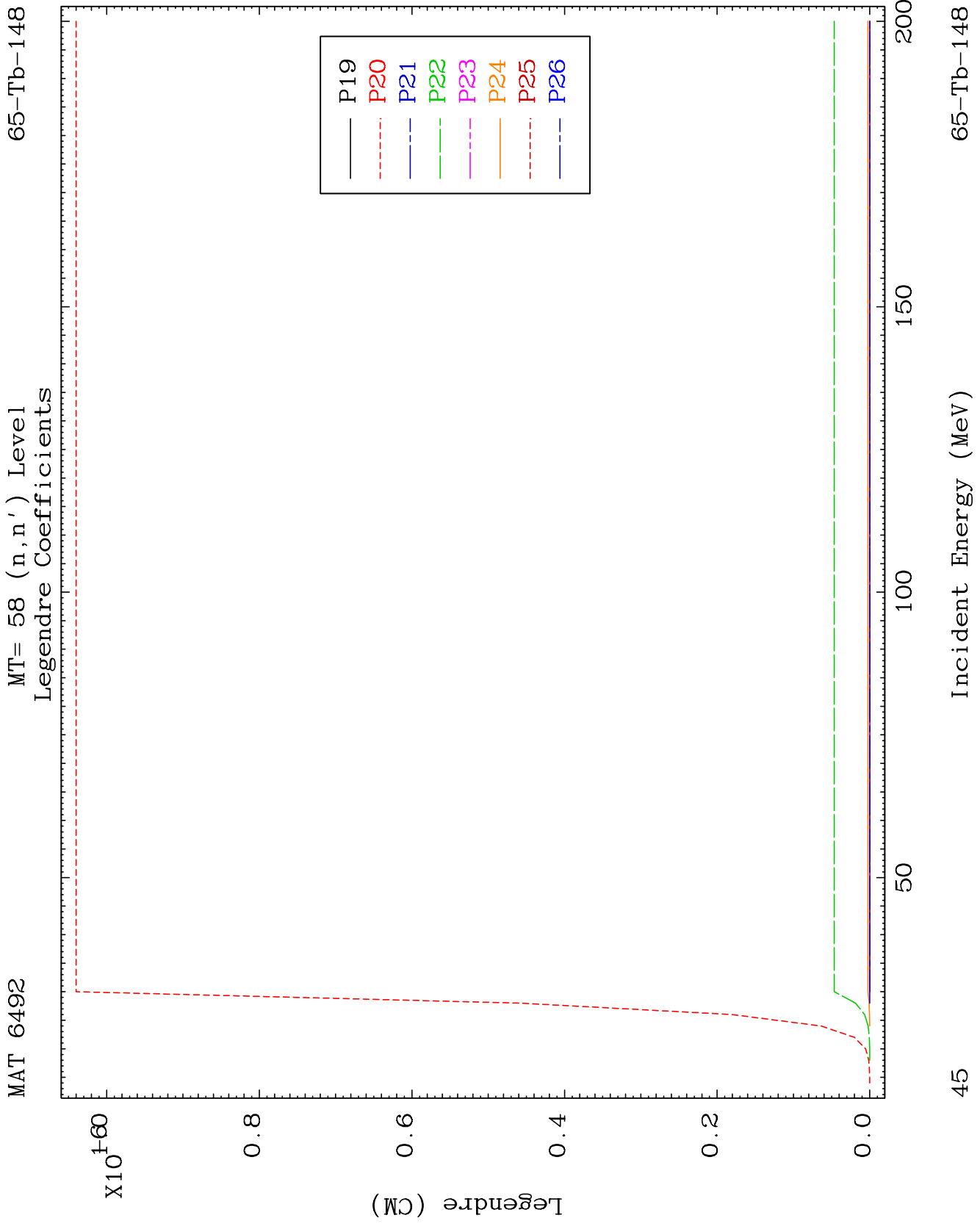
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44

Incident Energy (MeV)

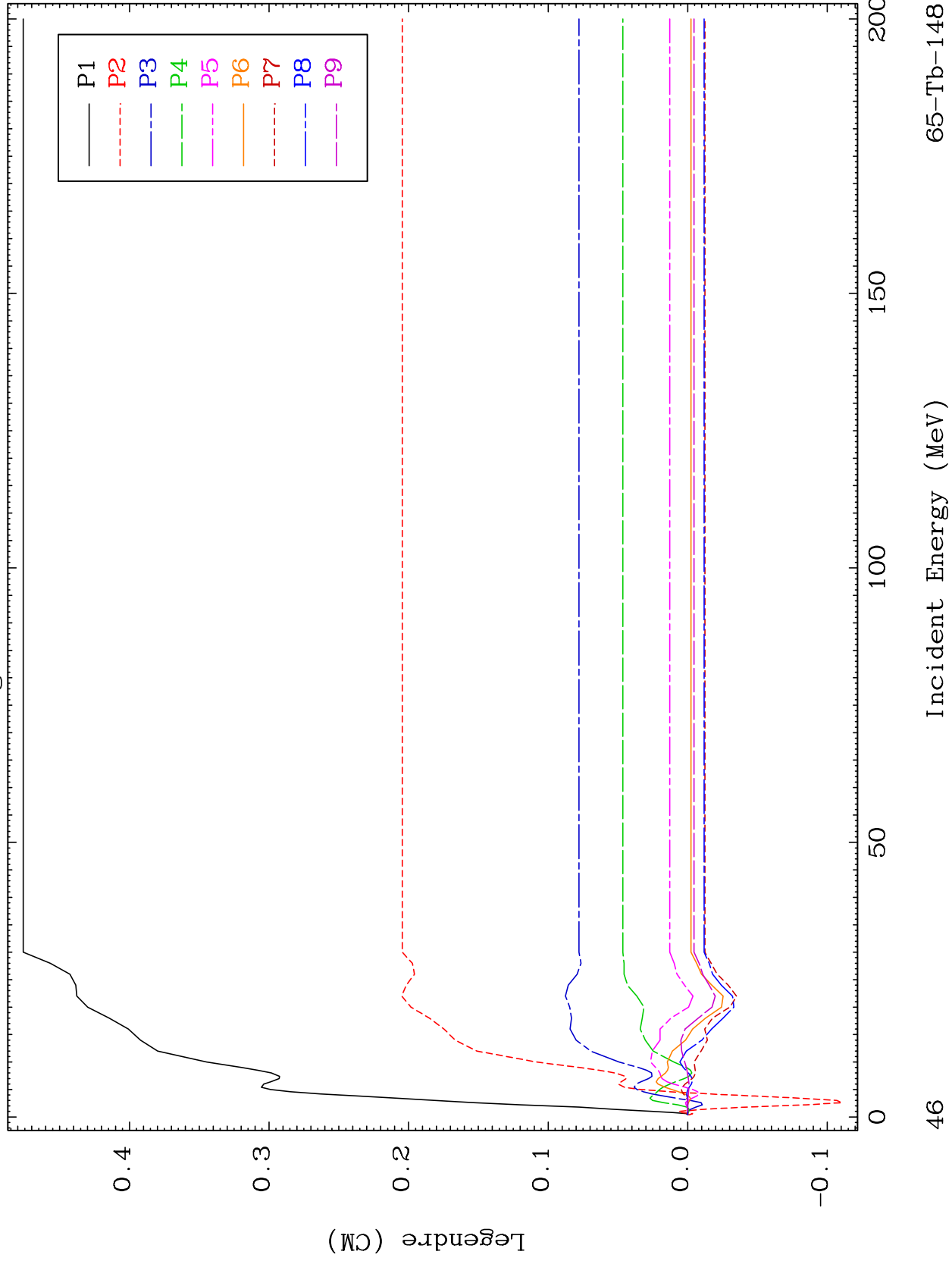
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MAT 6492

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

65-Tb-148



65-Tb-148

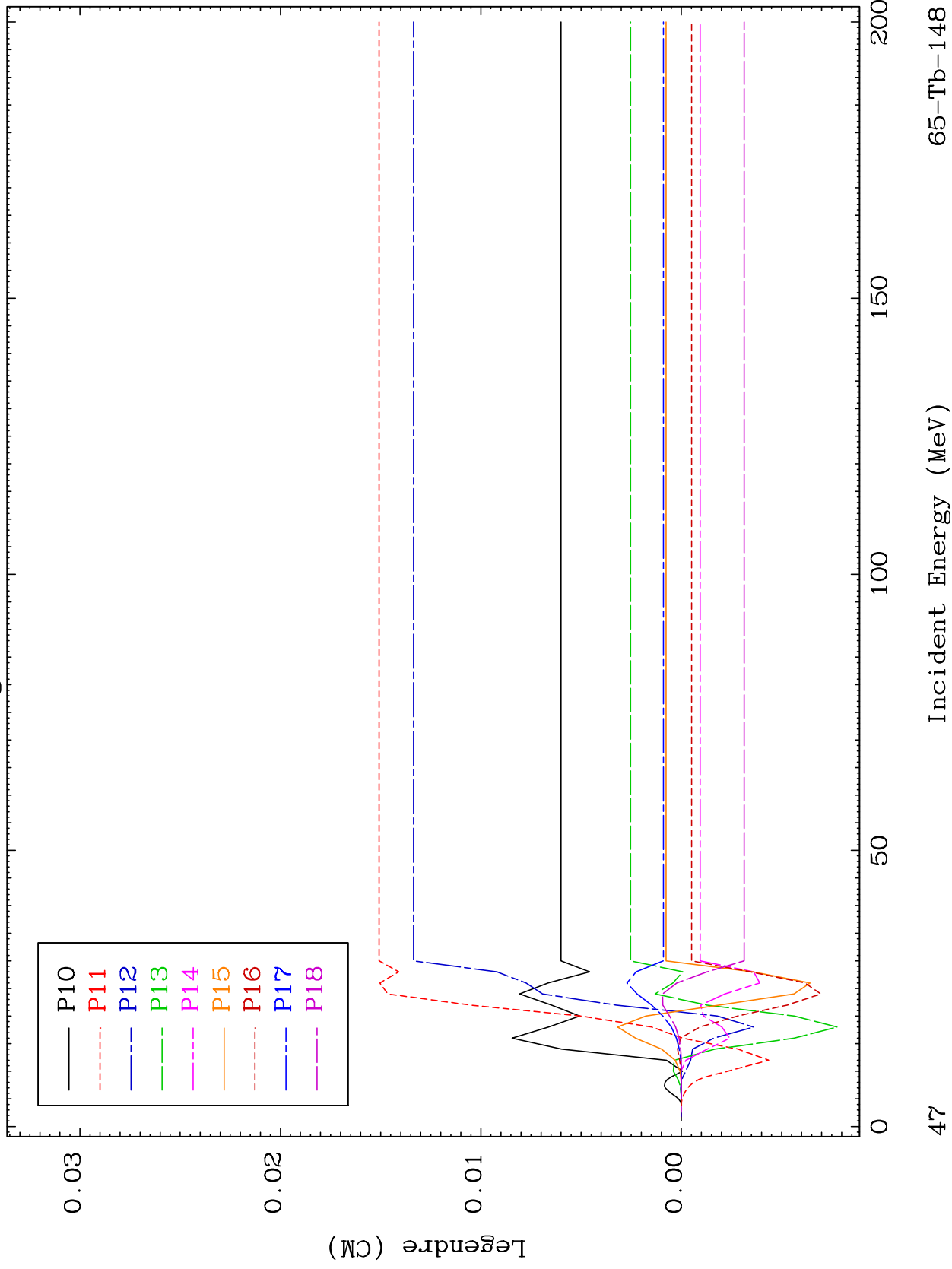
Incident Energy (MeV)

46

MAT 6492

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

65-Tb-148



47

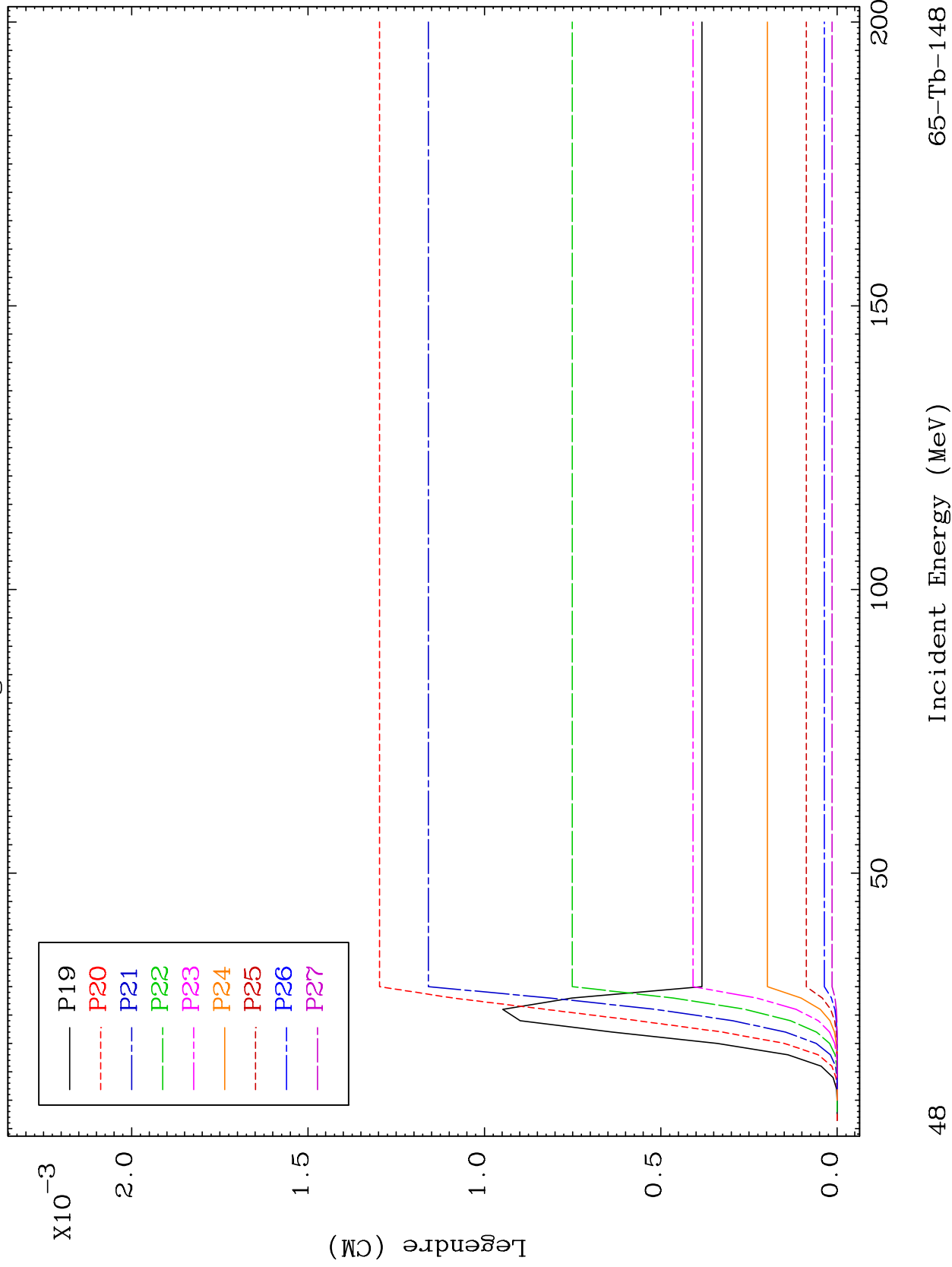
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

65-Tb-148



48

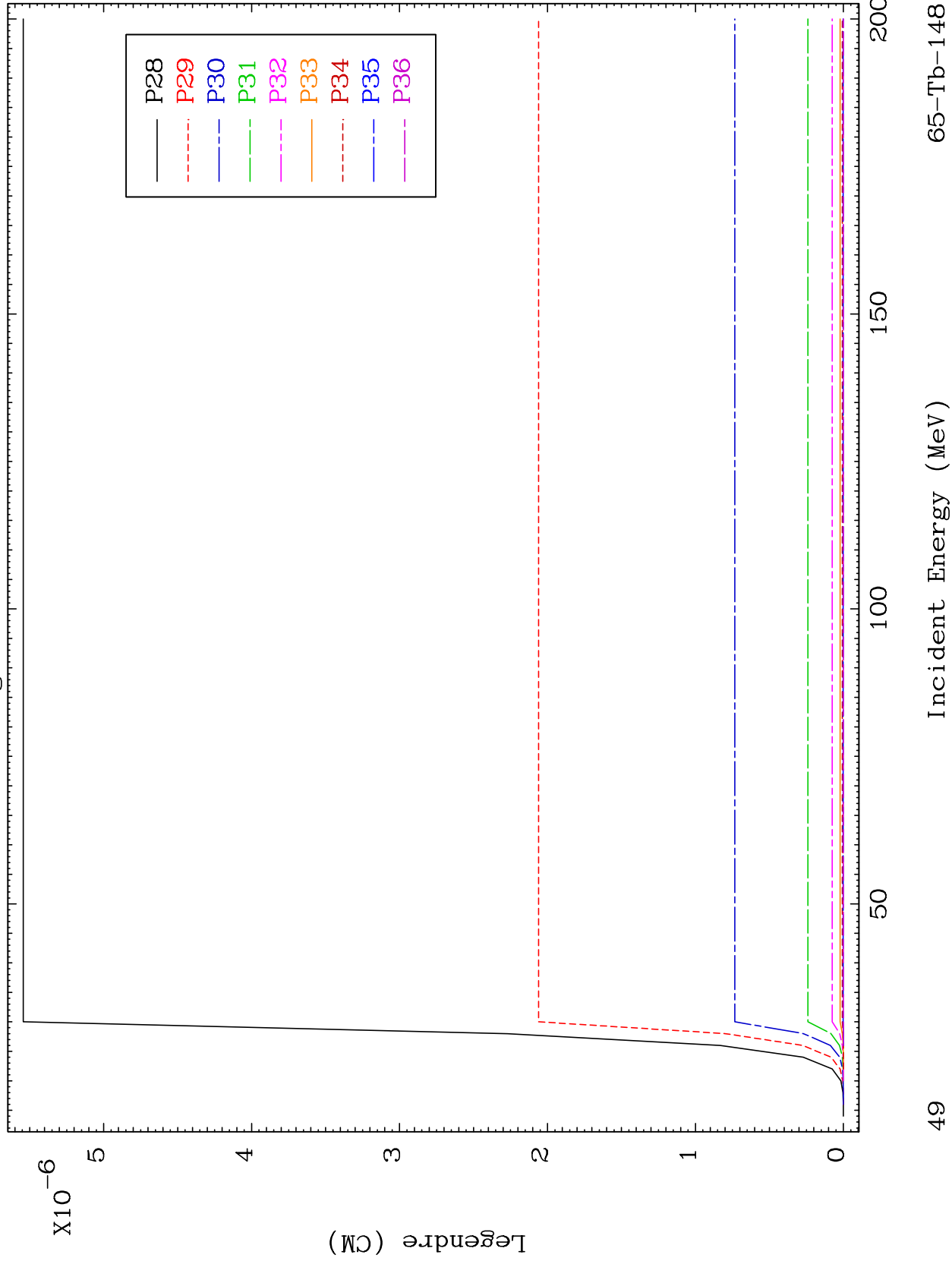
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

65-Tb-148



49

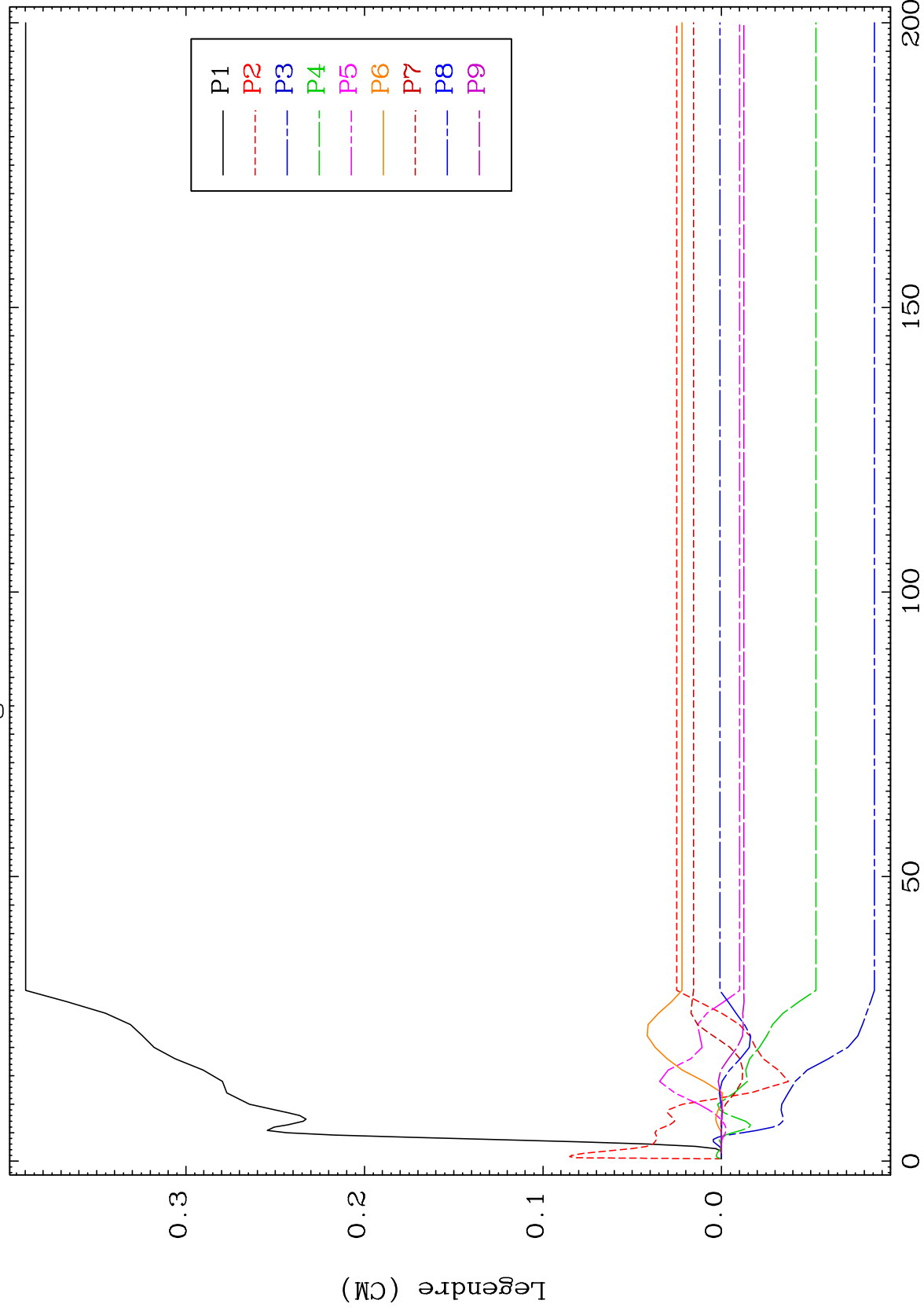
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

65-Tb-148



65-Tb-148

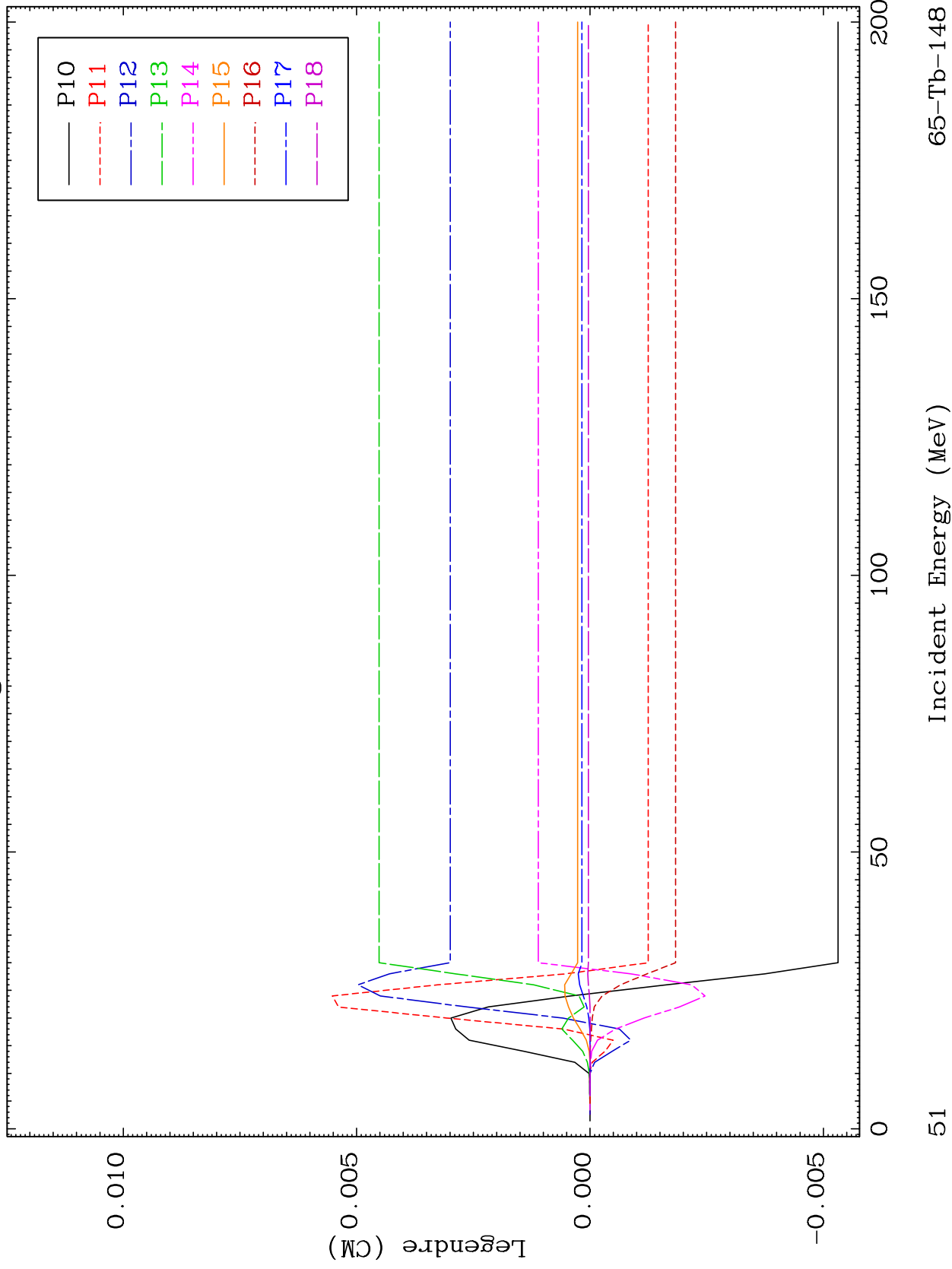
Incident Energy (MeV)

50

MAT 6492

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

65-Tb-148



51

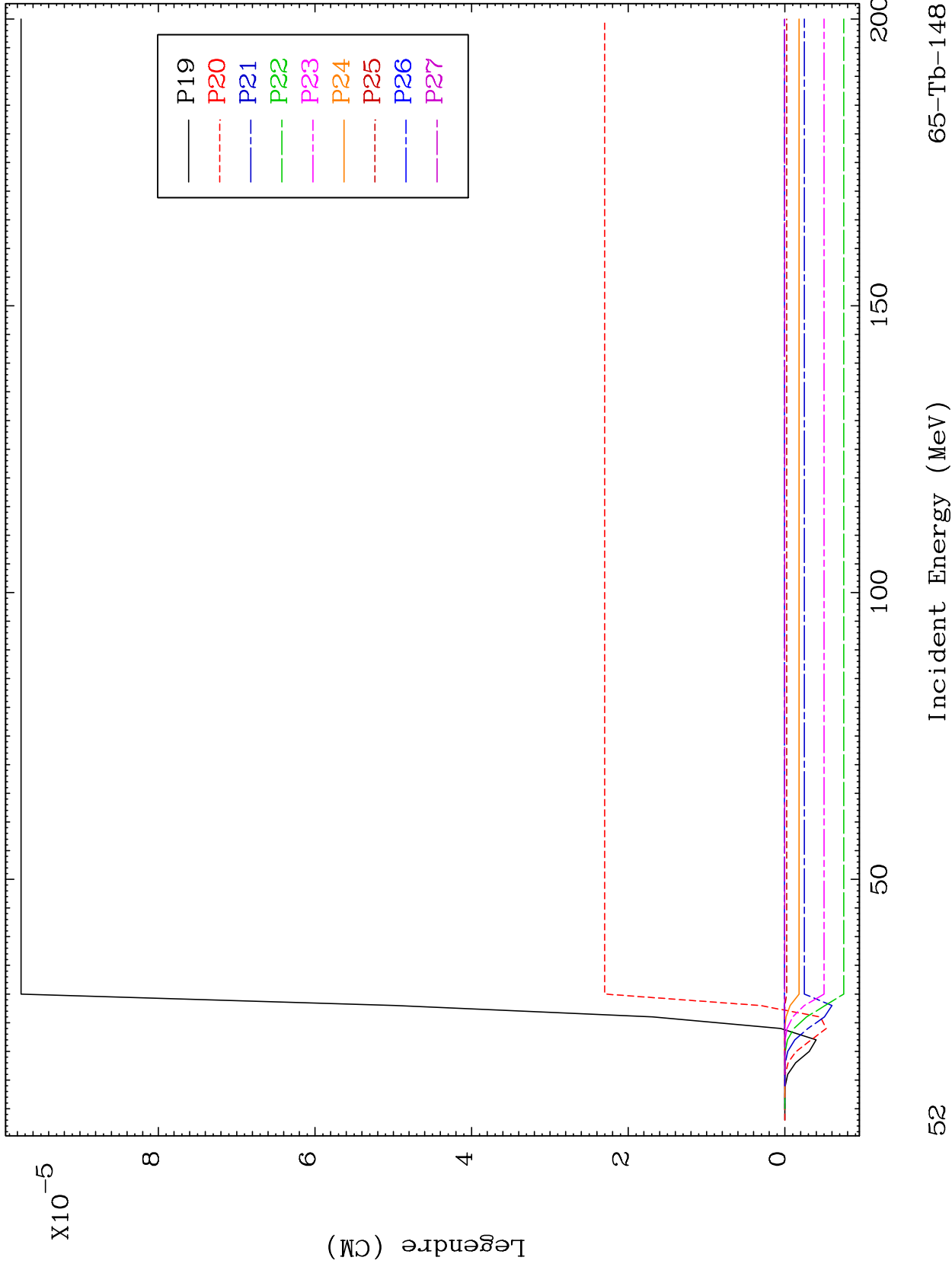
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

65-Tb-148



52

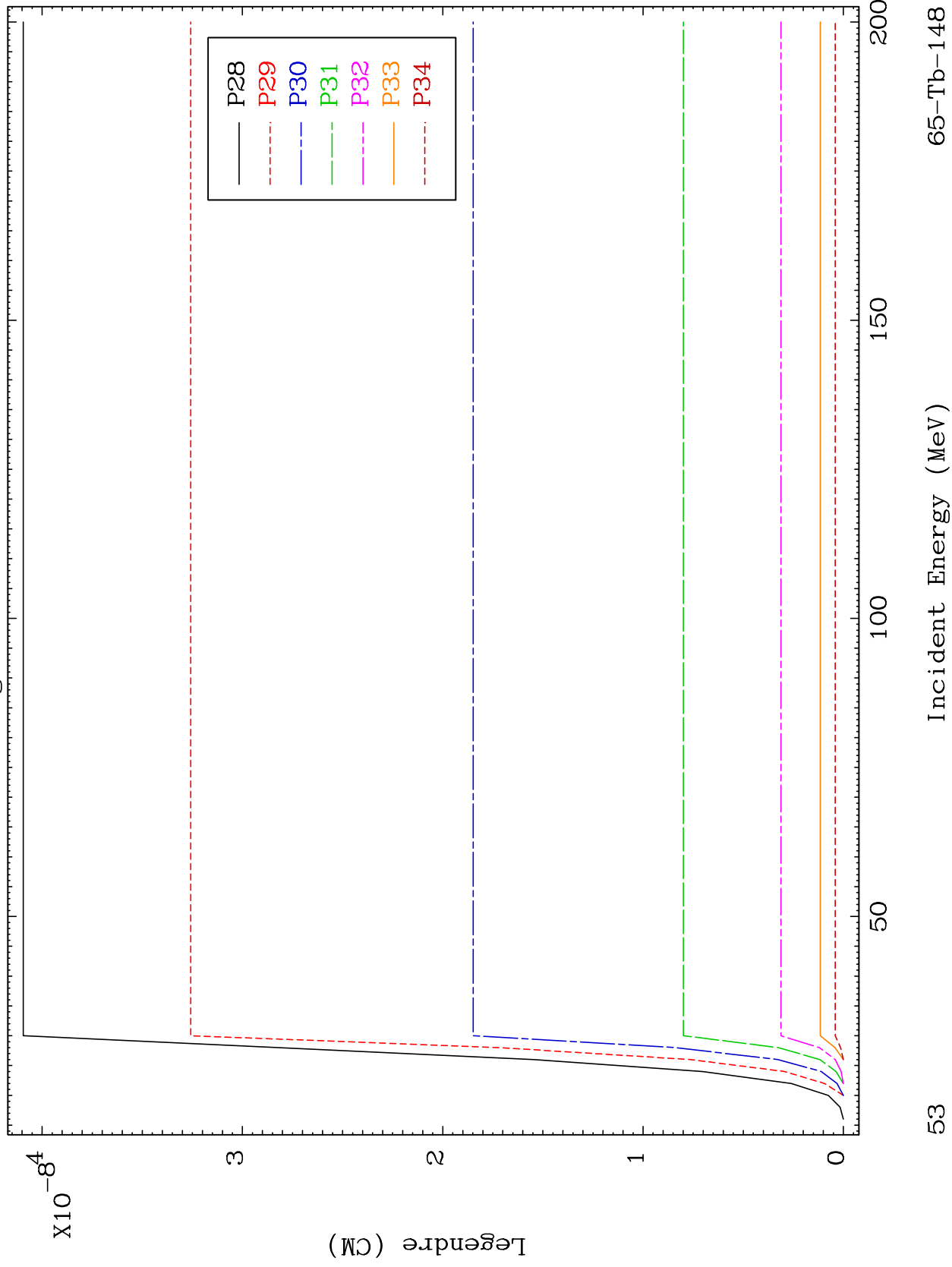
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

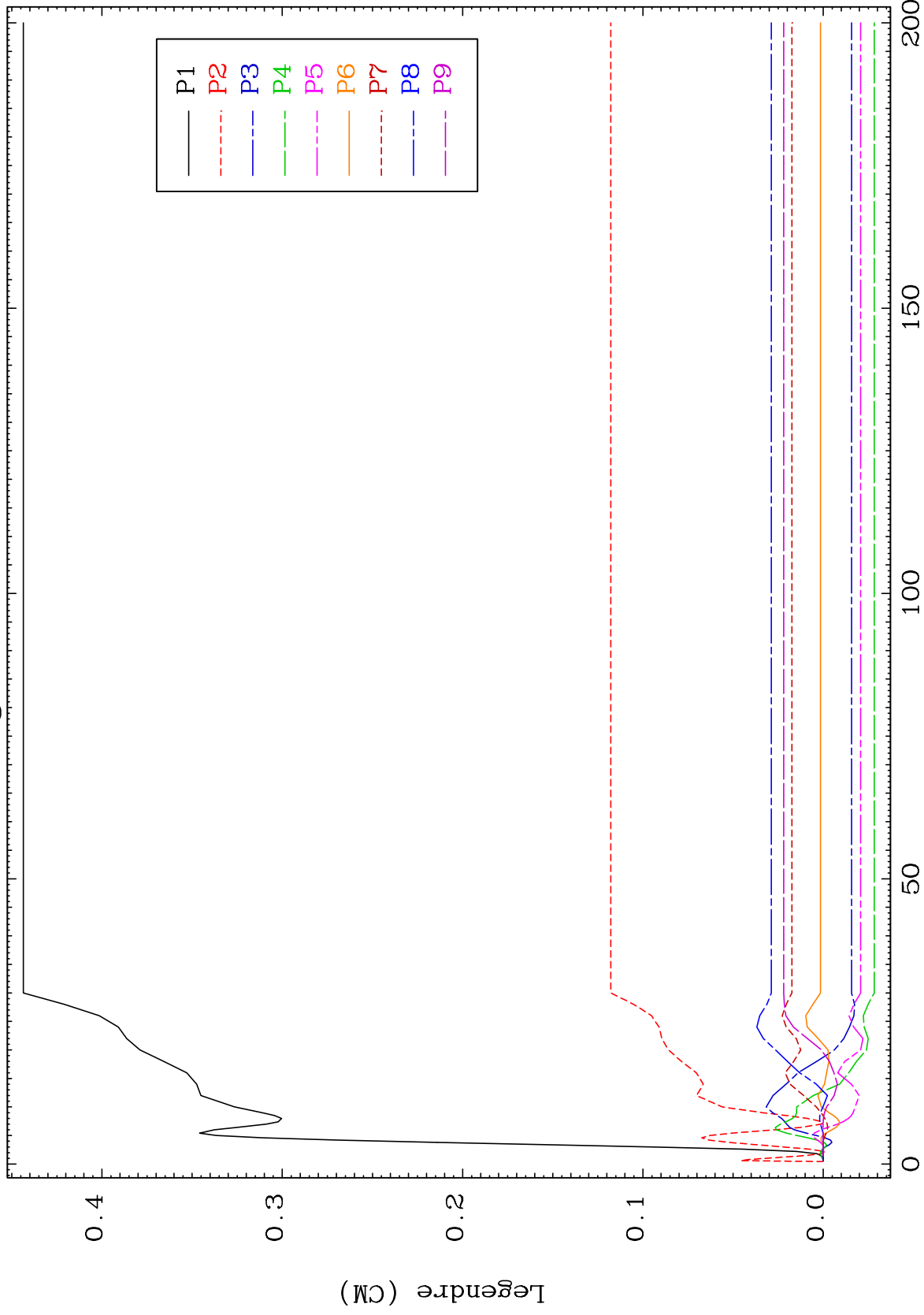
65-Tb-148



MAT 6492

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

65-Tb-148



54

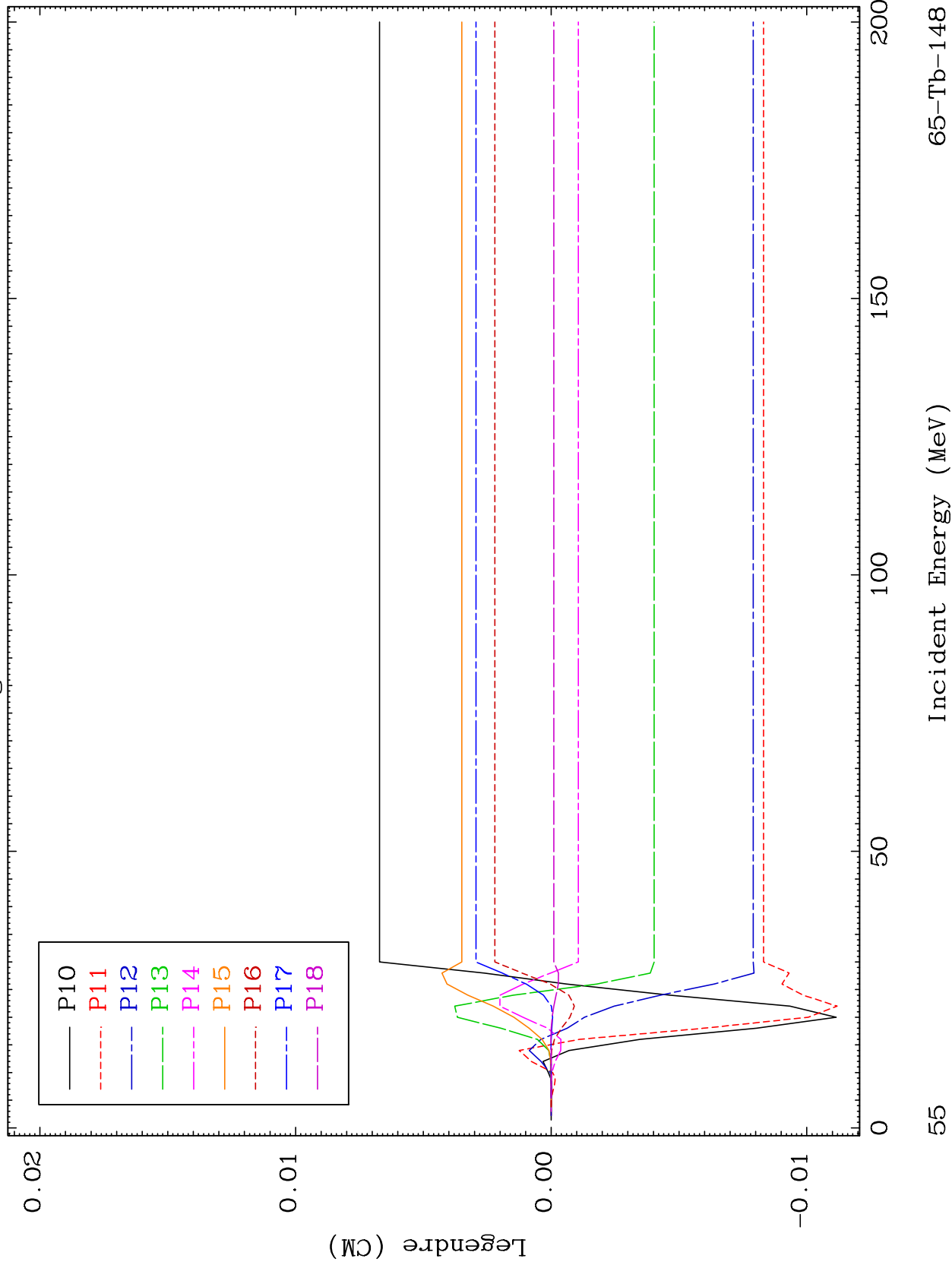
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

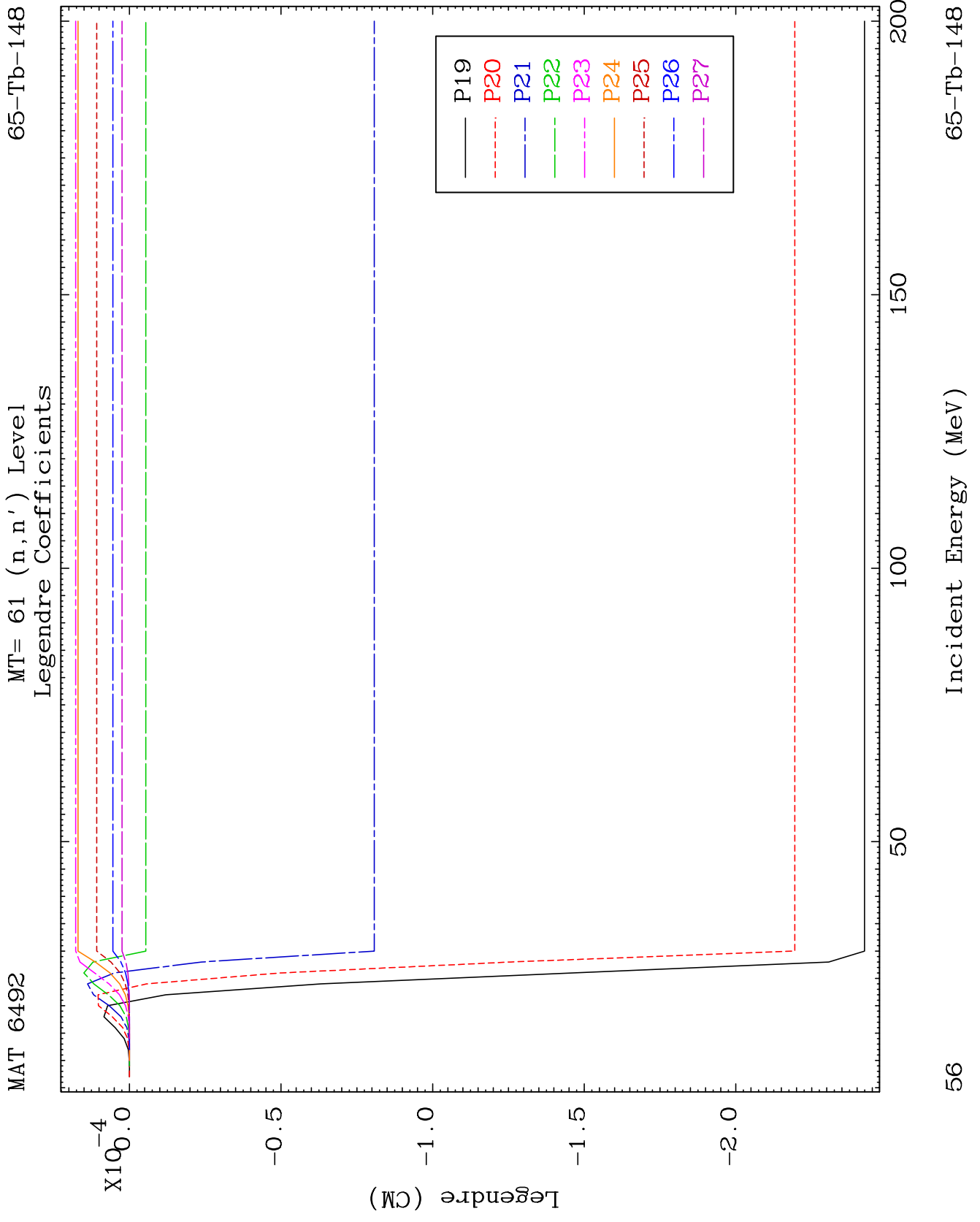
65-Tb-148



65-Tb-148

Incident Energy (MeV)

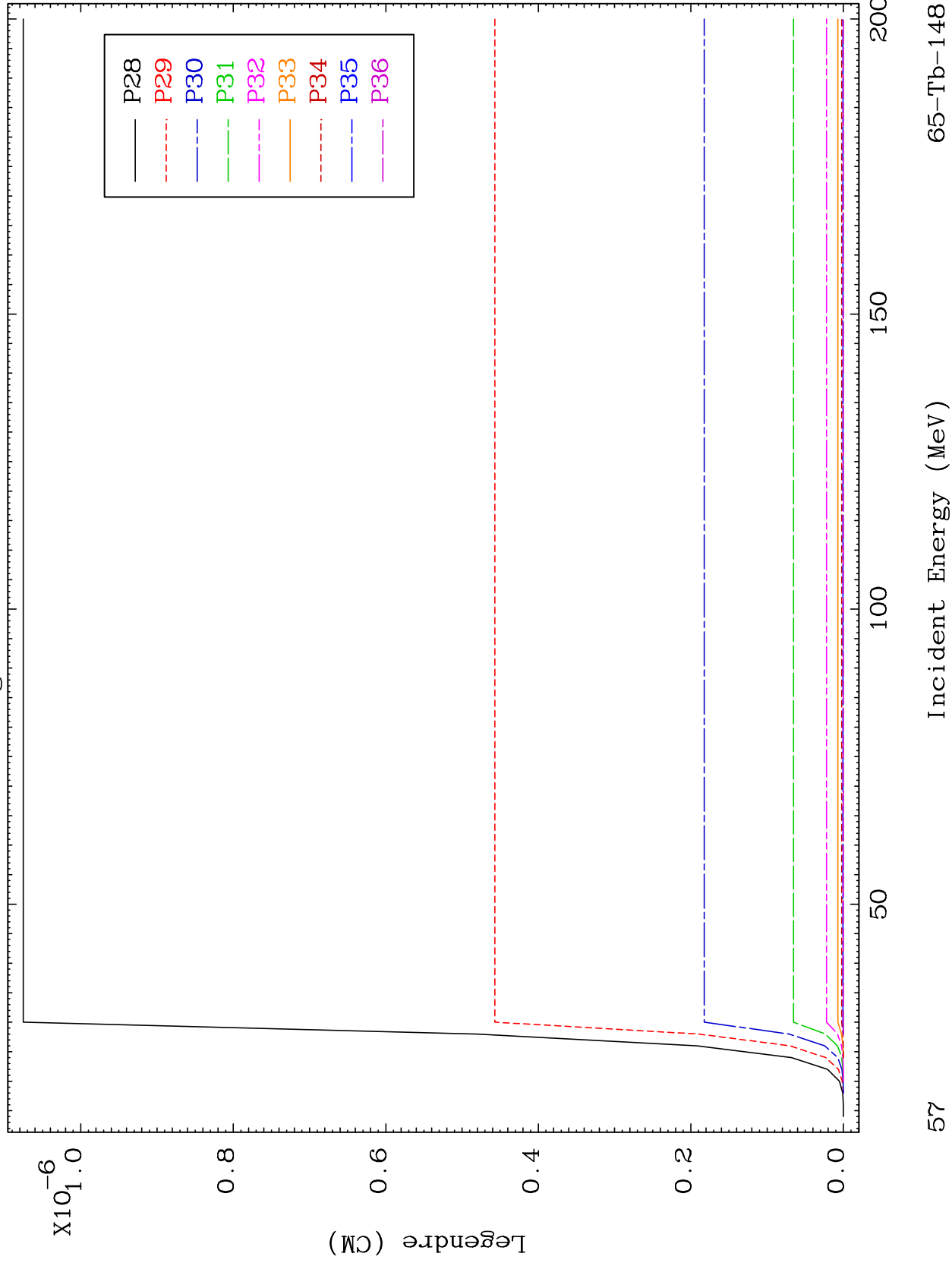
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MAT 6492

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

65-Tb-148

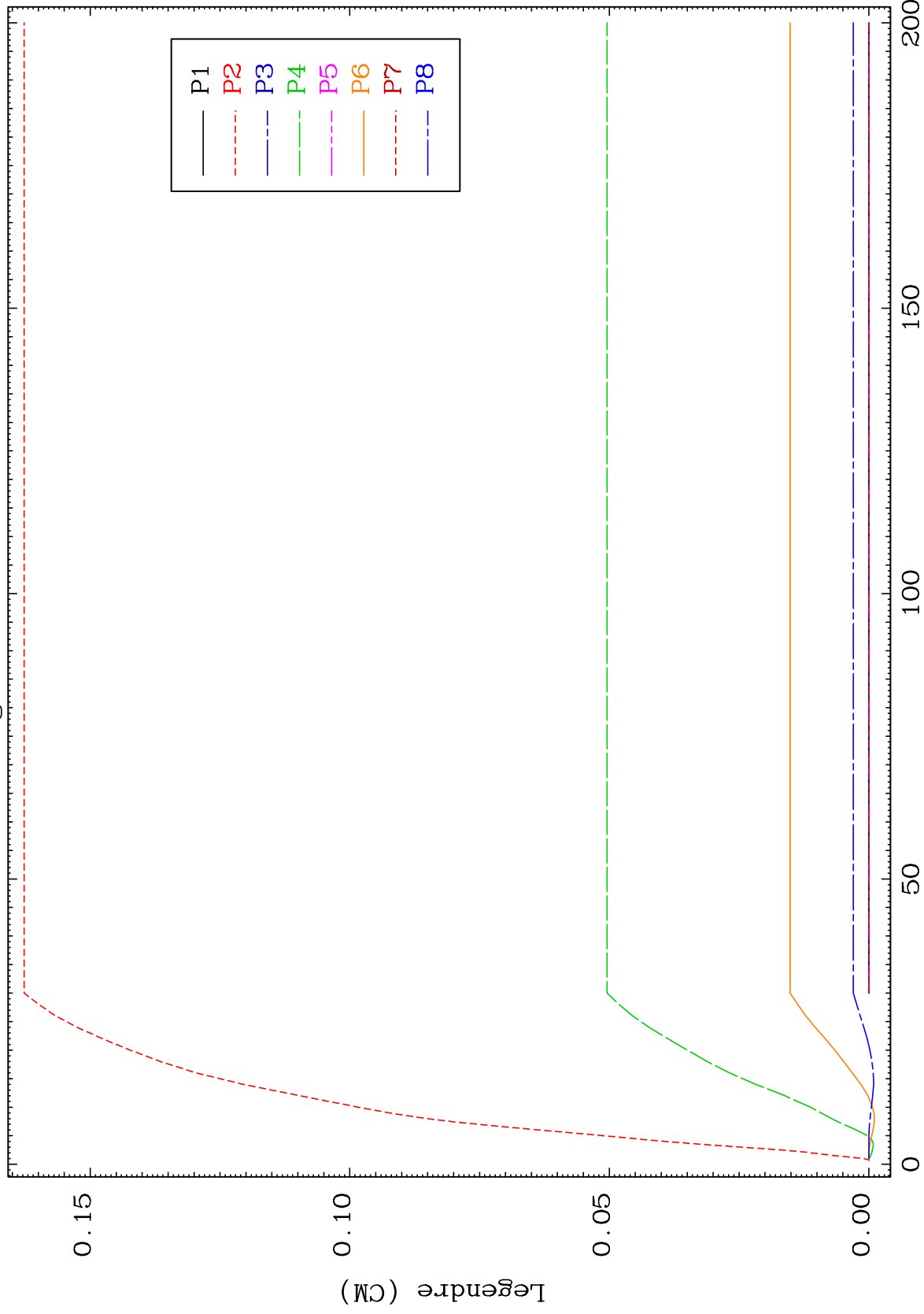


57

MAT 6492

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

65-Tb-148



65-Tb-148

Incident Energy (MeV)

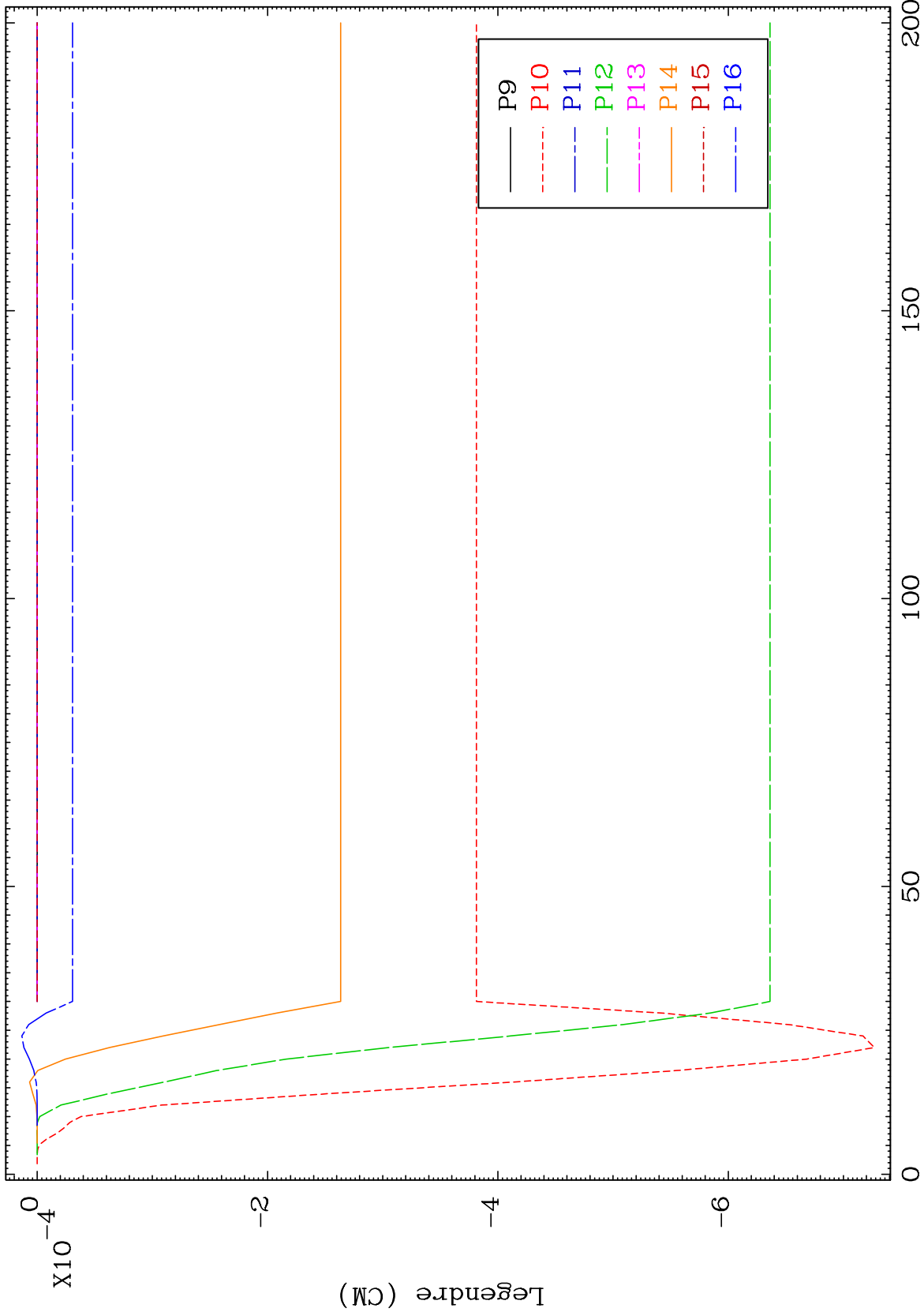
58

MAT 6492

MT= 62 (n,n') Level

65-Tb-148

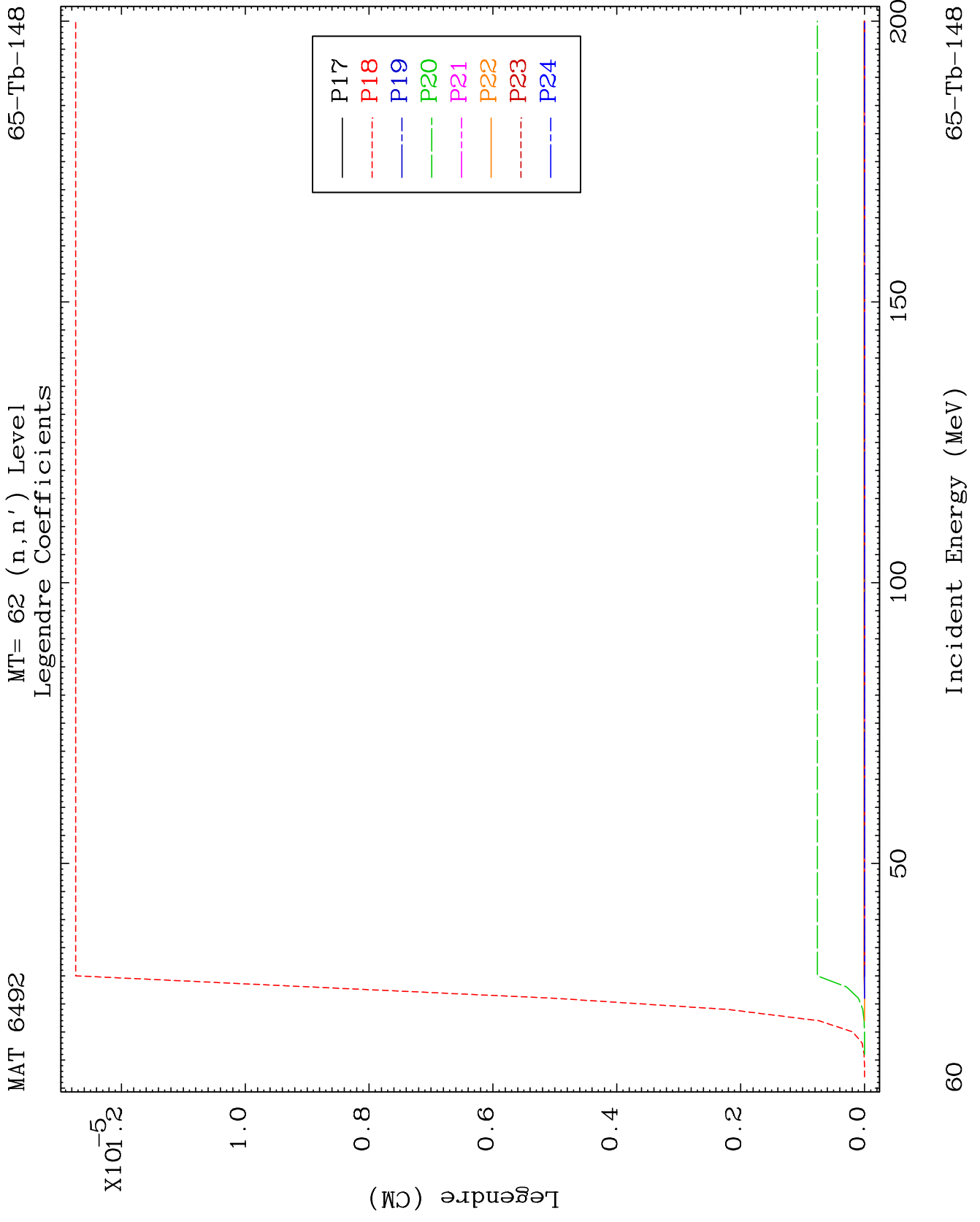
Legendre Coefficients



59

Incident Energy (MeV)

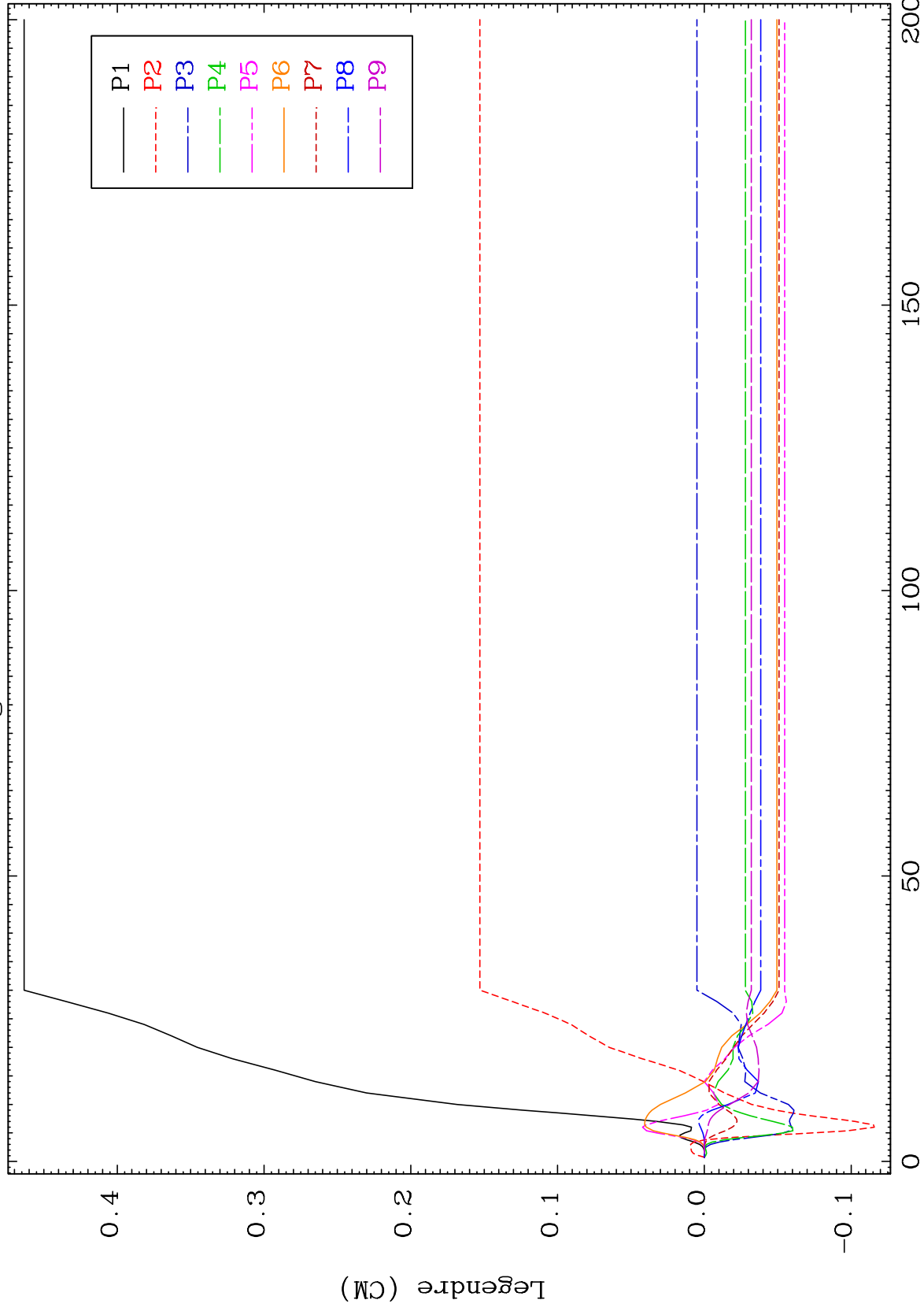
65-Tb-148



MAT 6492

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

65-Tb-148



61

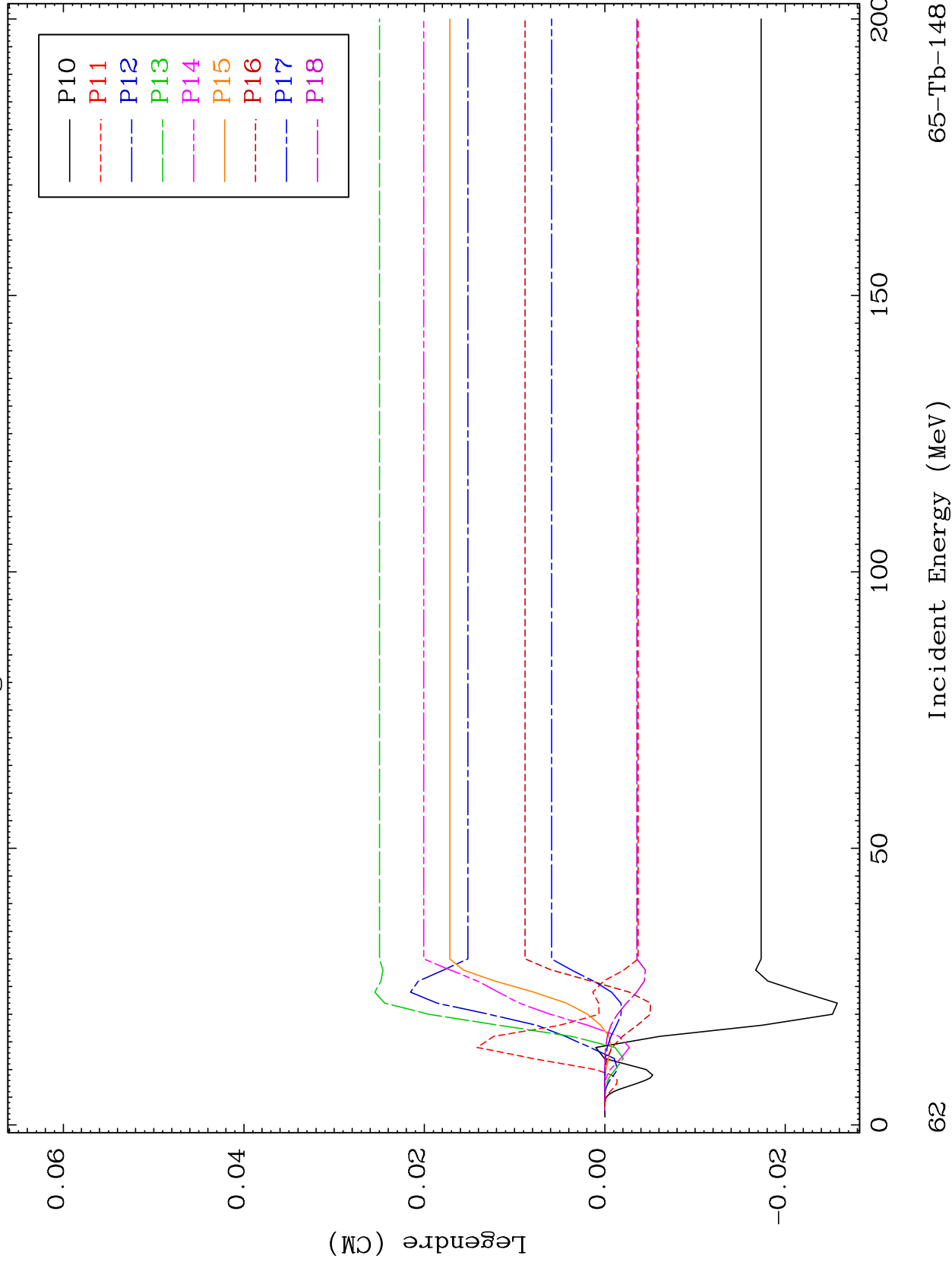
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

65-Tb-148



65-Tb-148

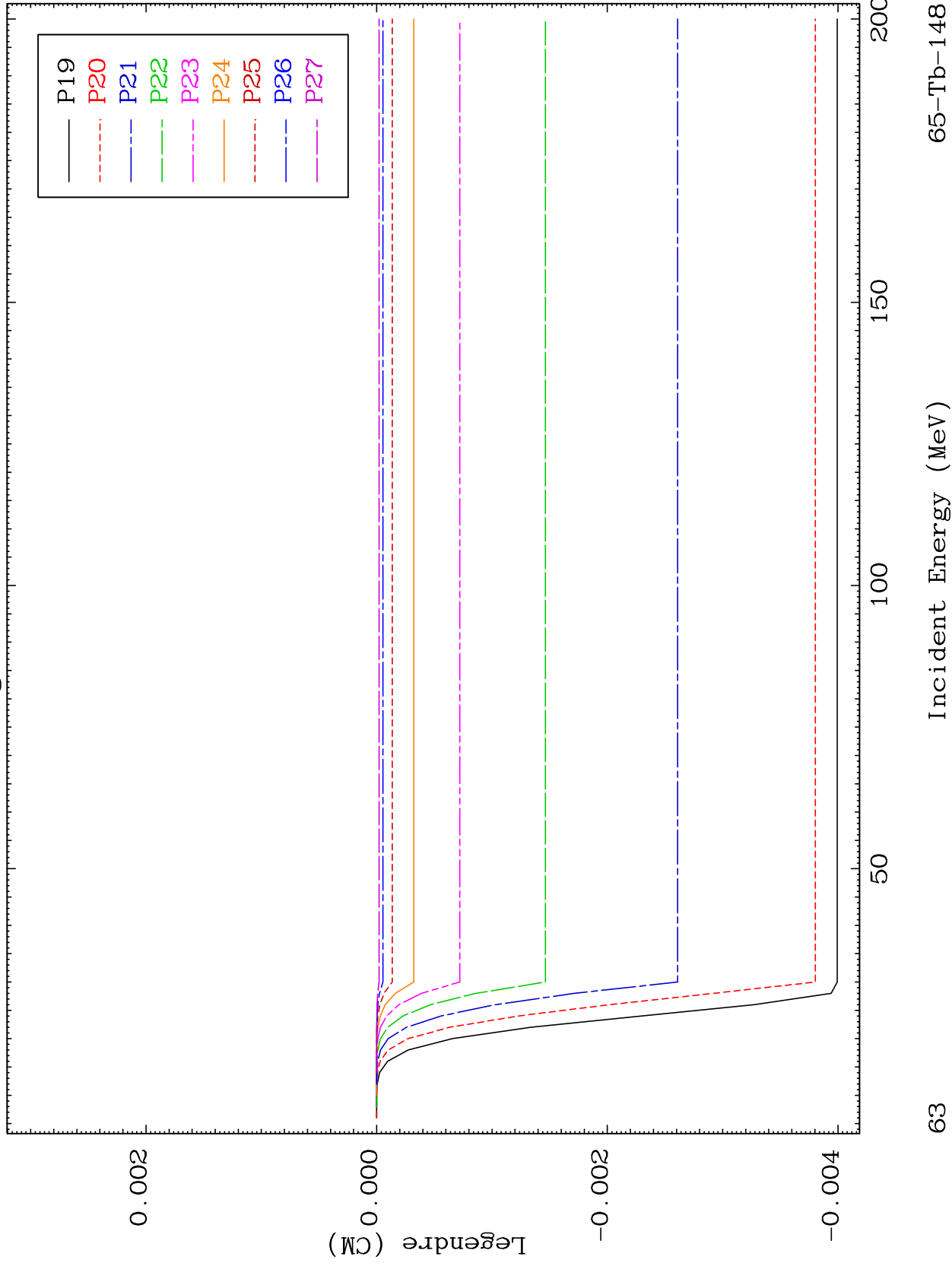
Incident Energy (MeV)

62

MAT 6492

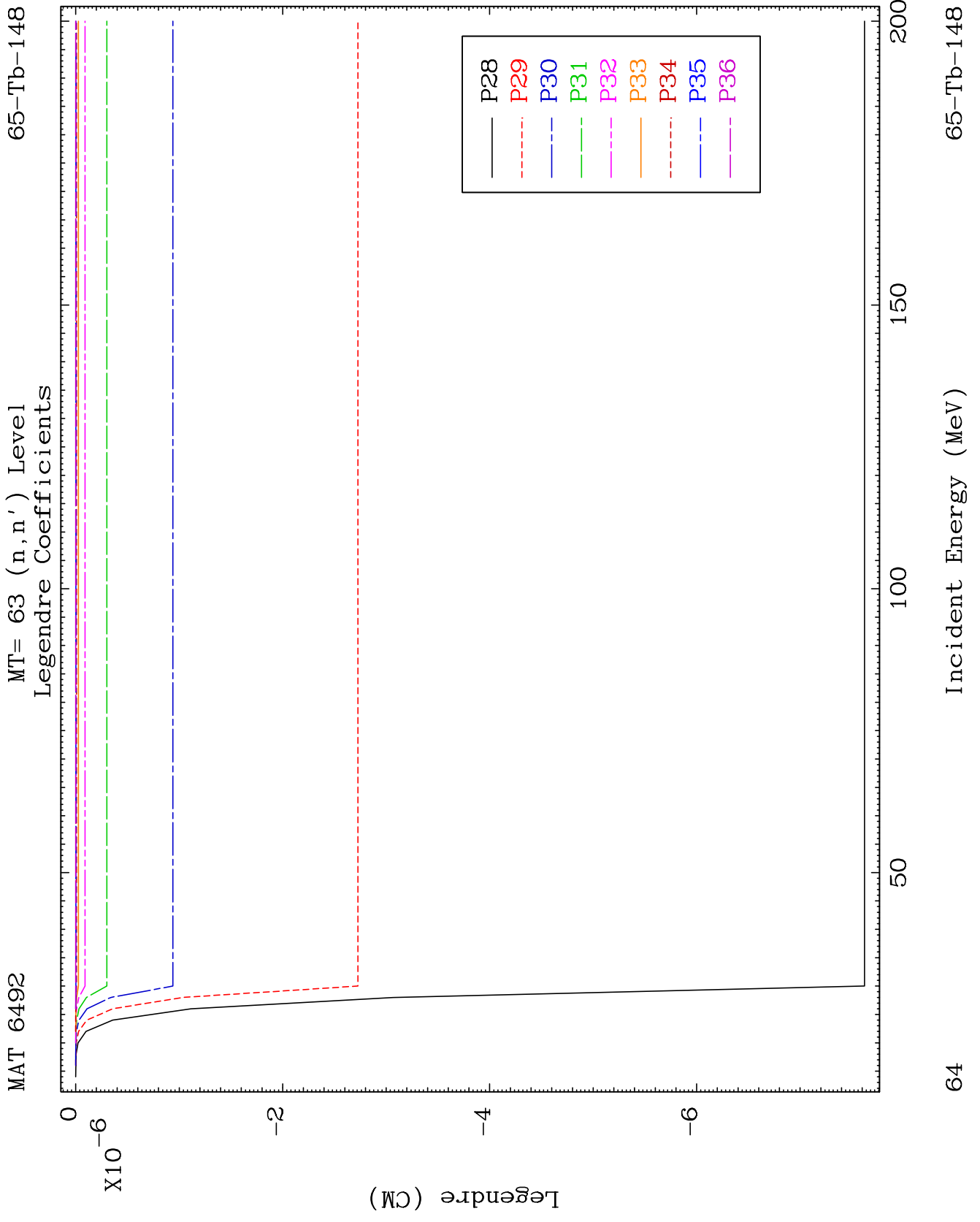
MT= 63 (n,n') Level
Legendre Coefficients

65-Tb-148



63

65-Tb-148

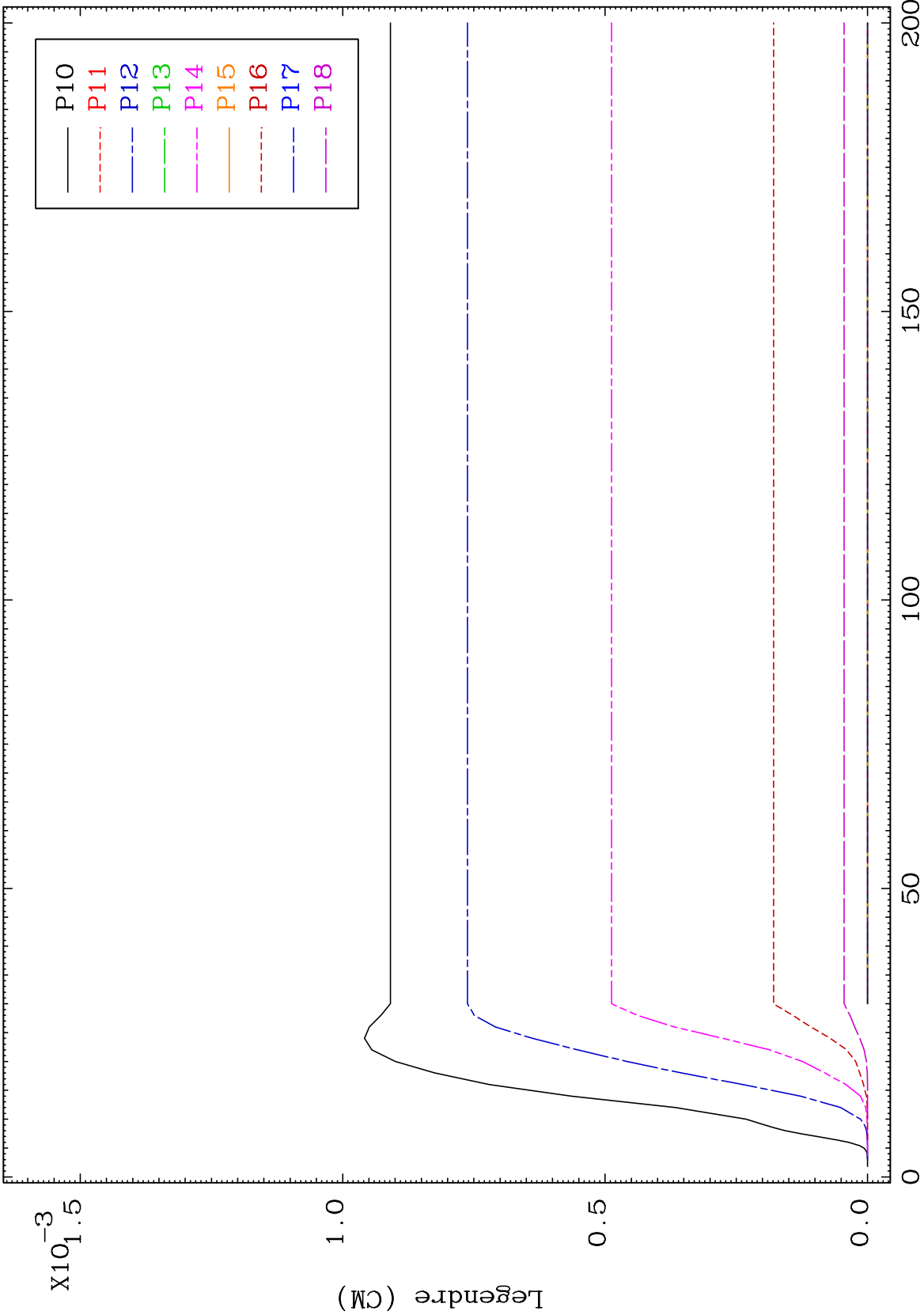


MAT 6492

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

65-Tb-148

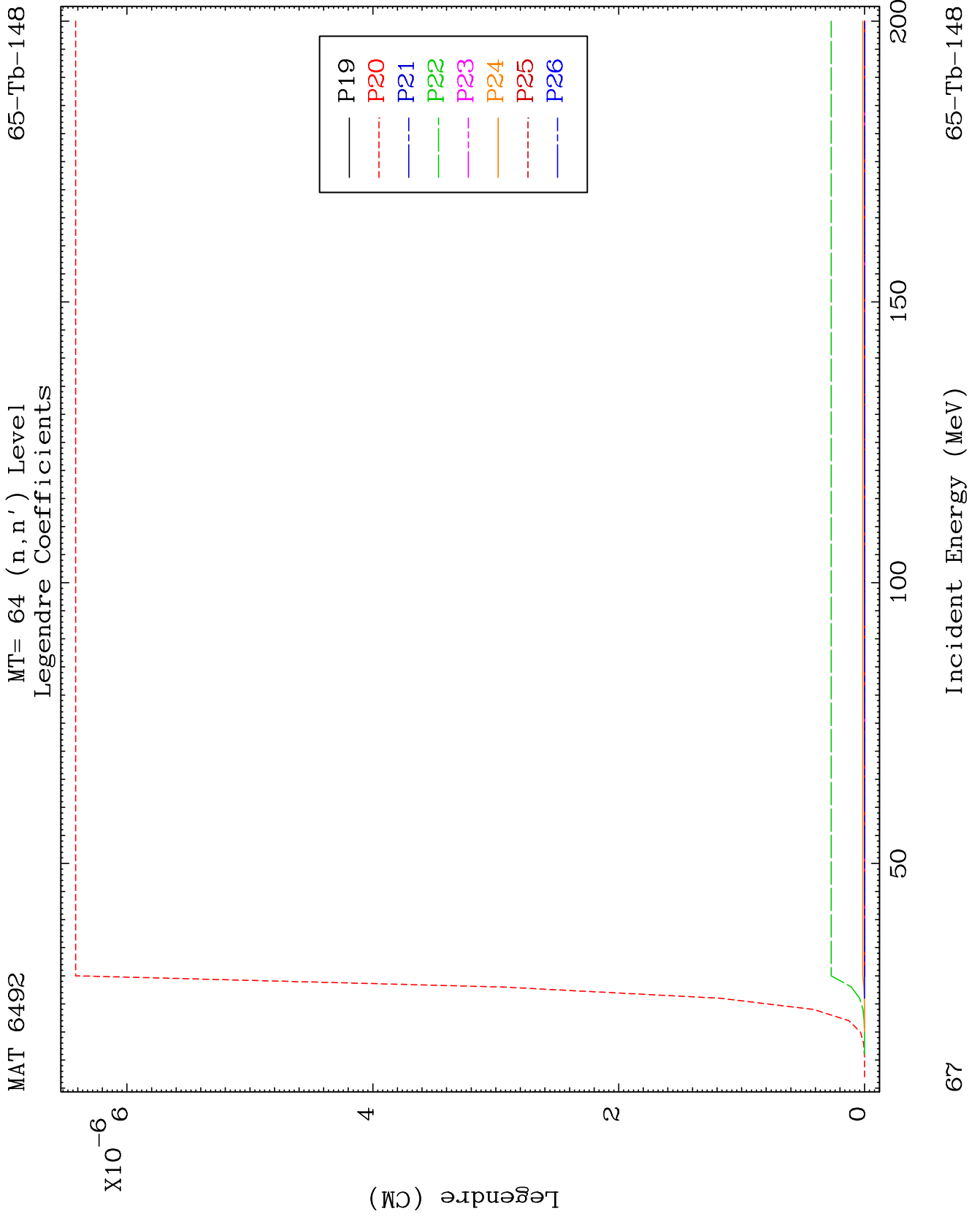
$\times 10^{-3}$



66

Incident Energy (MeV)

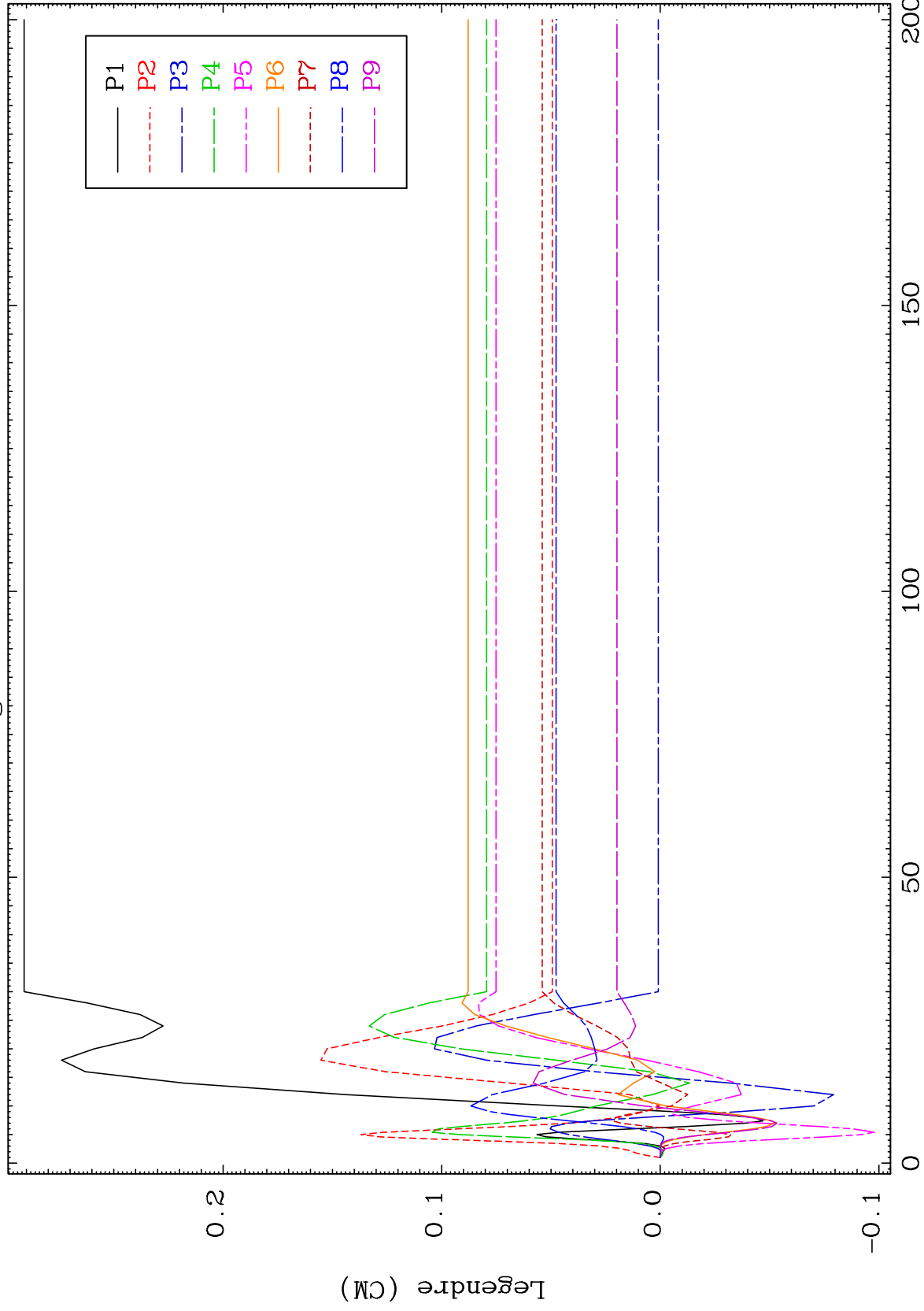
65-Tb-148



MAT 6492

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

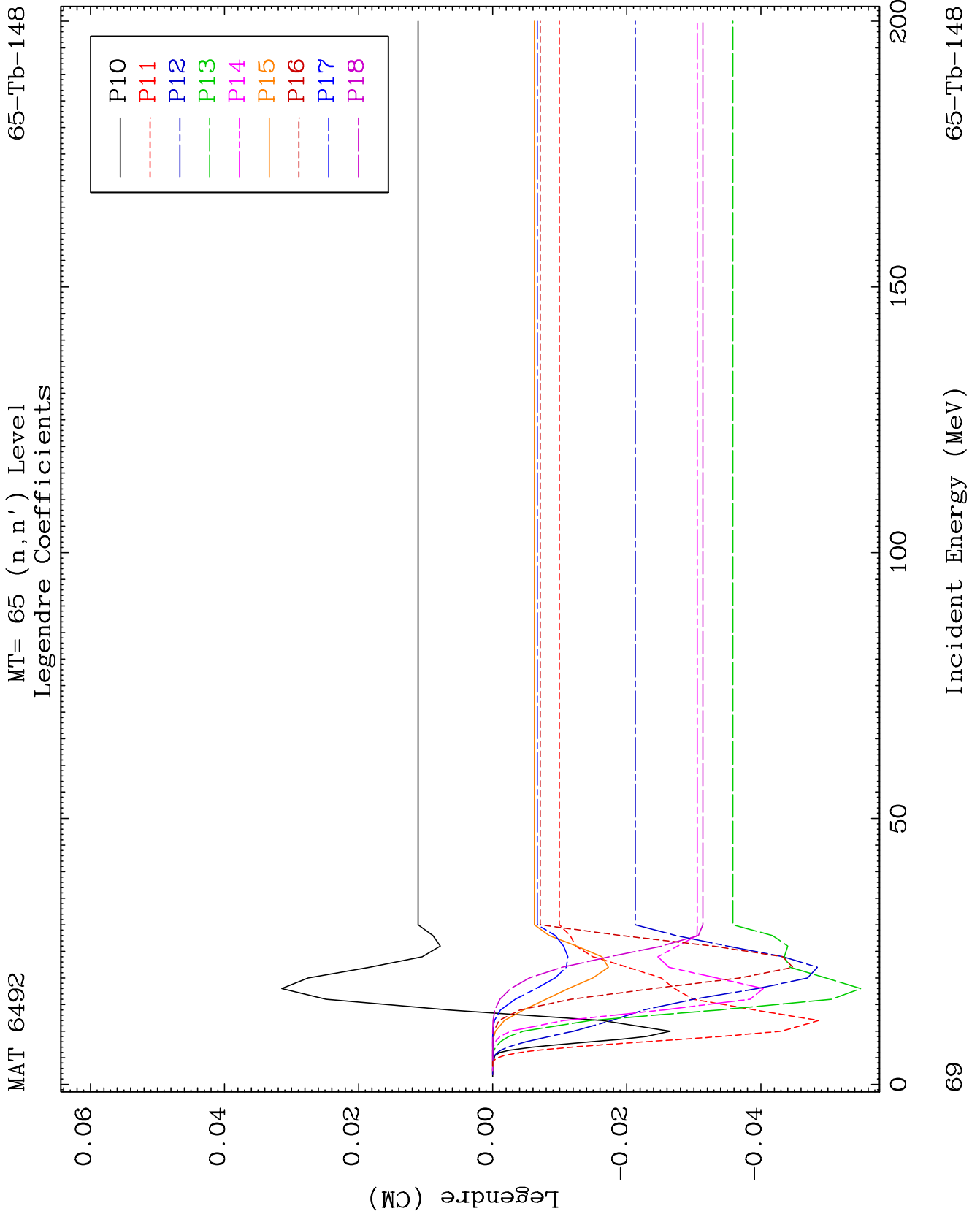
65-Tb-148



65-Tb-148

Incident Energy (MeV)

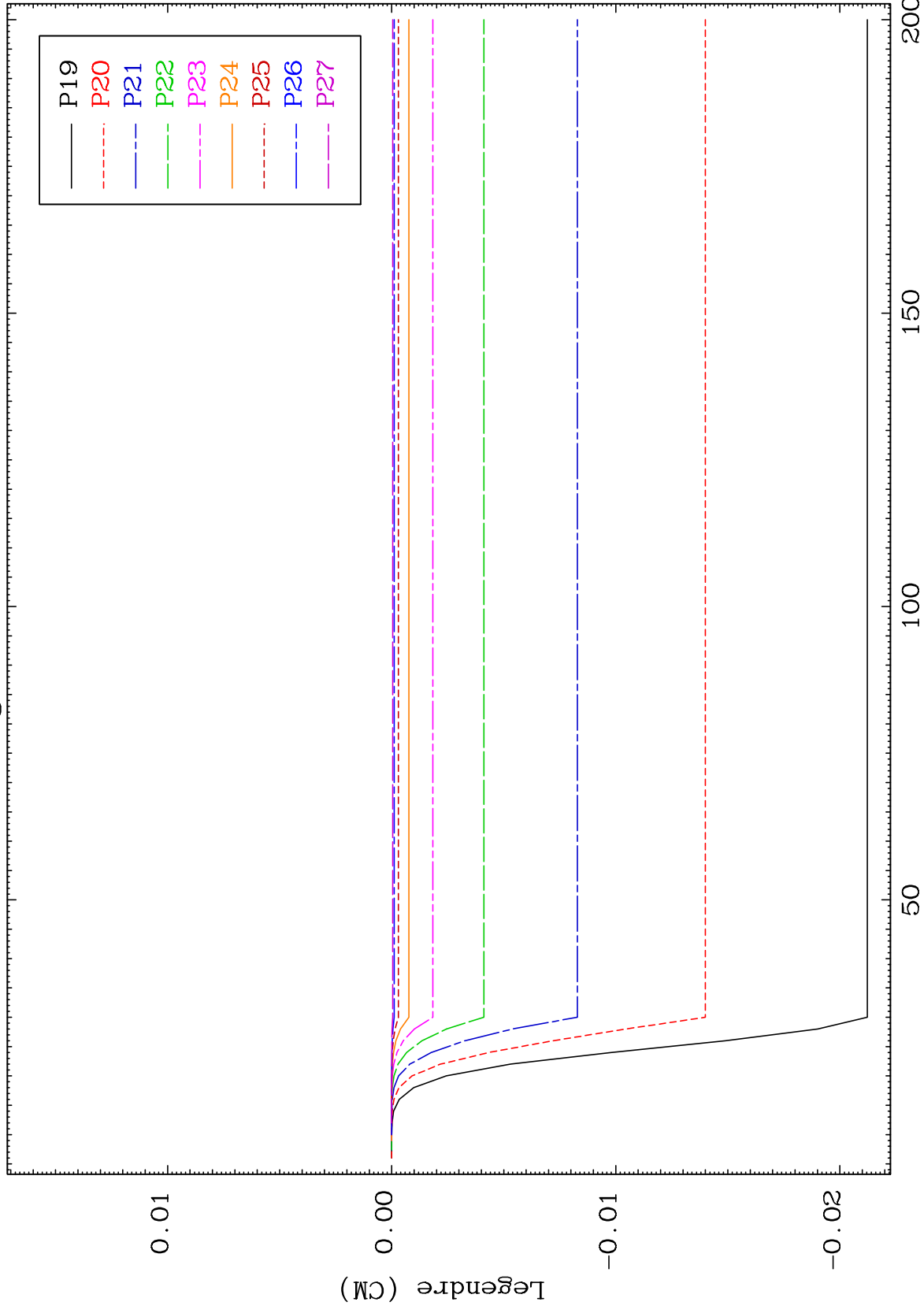
68



MAT 6492

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

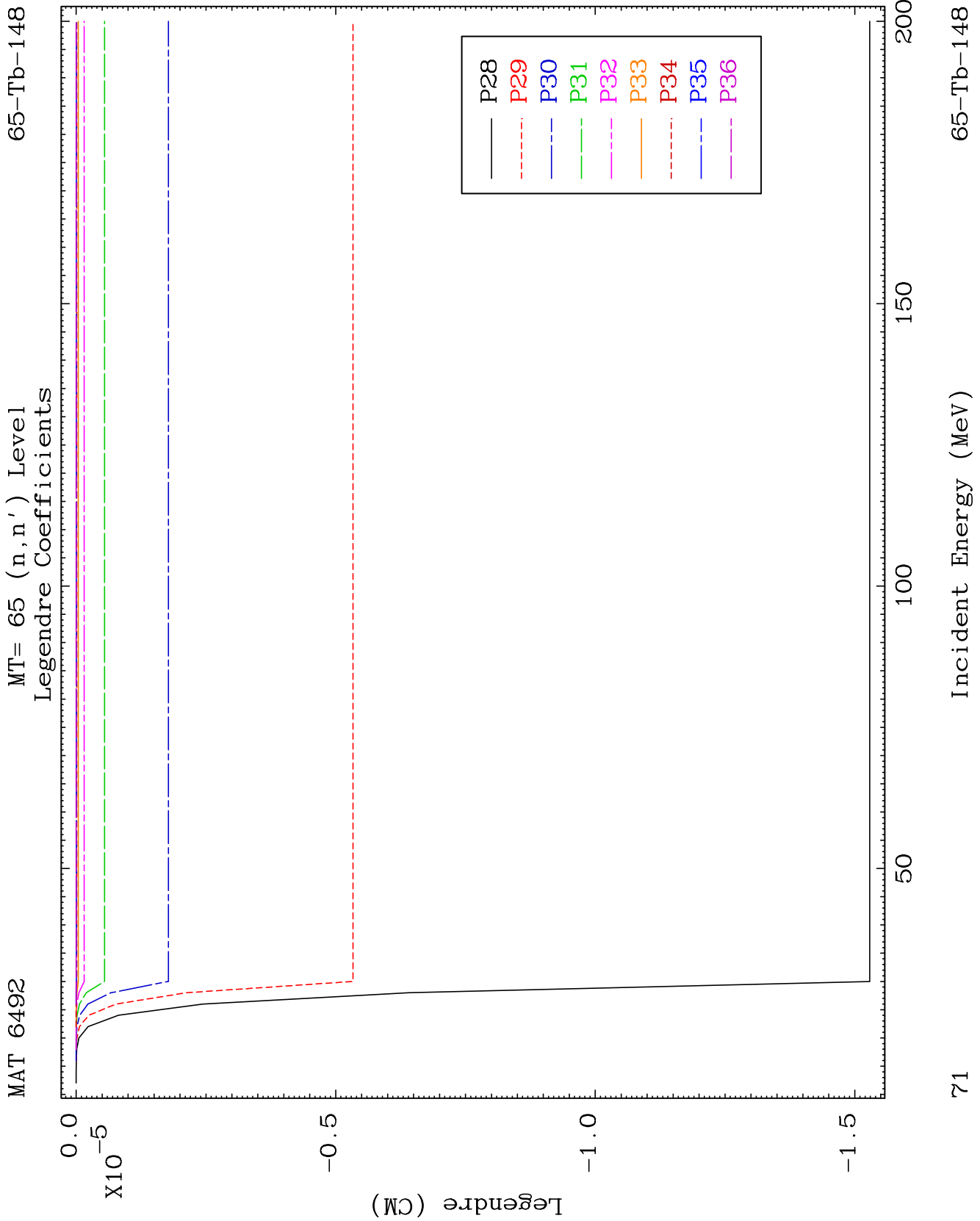
65-Tb-148



70

Incident Energy (MeV)

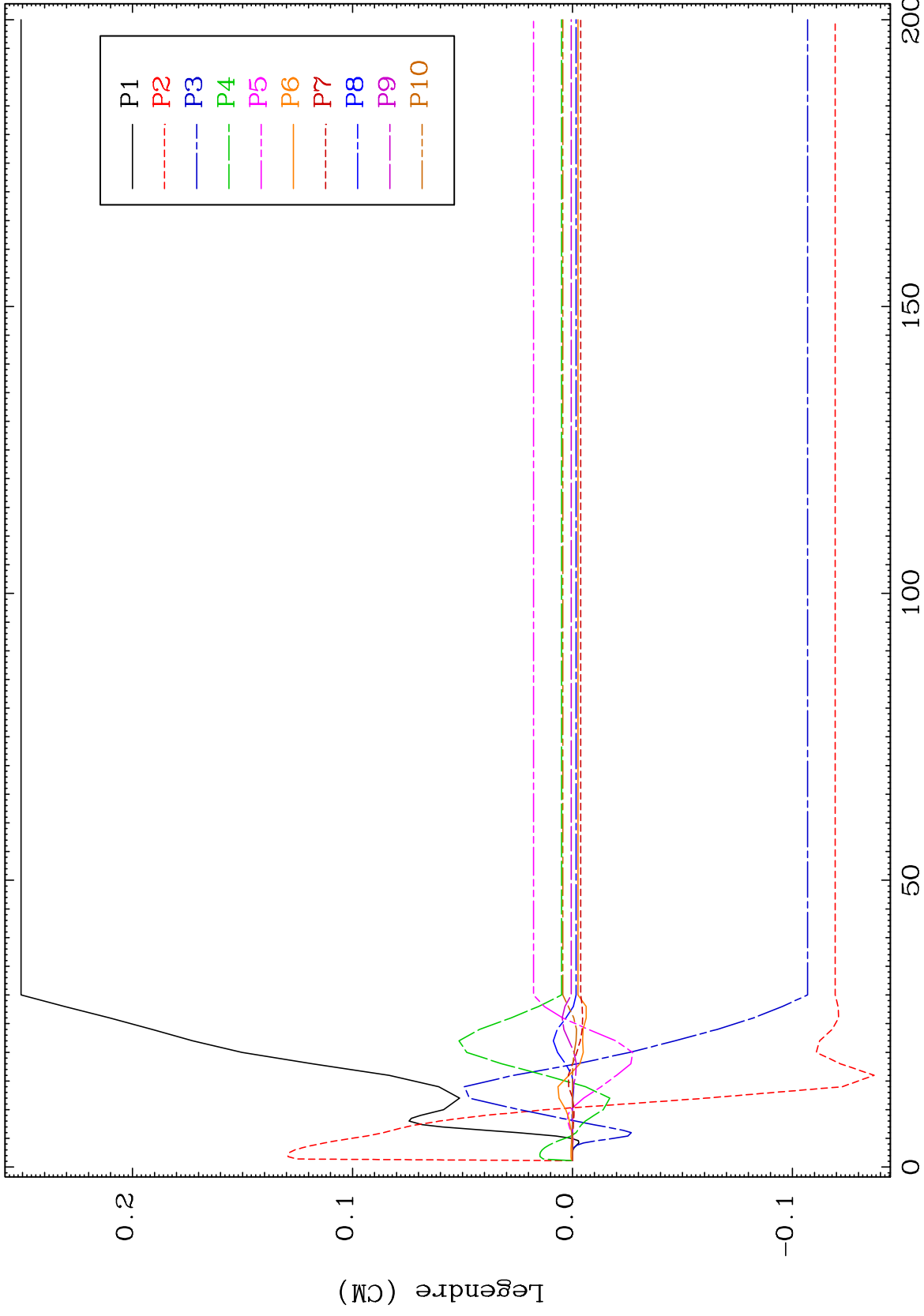
65-Tb-148



MAT 6492

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

65-Tb-148



72

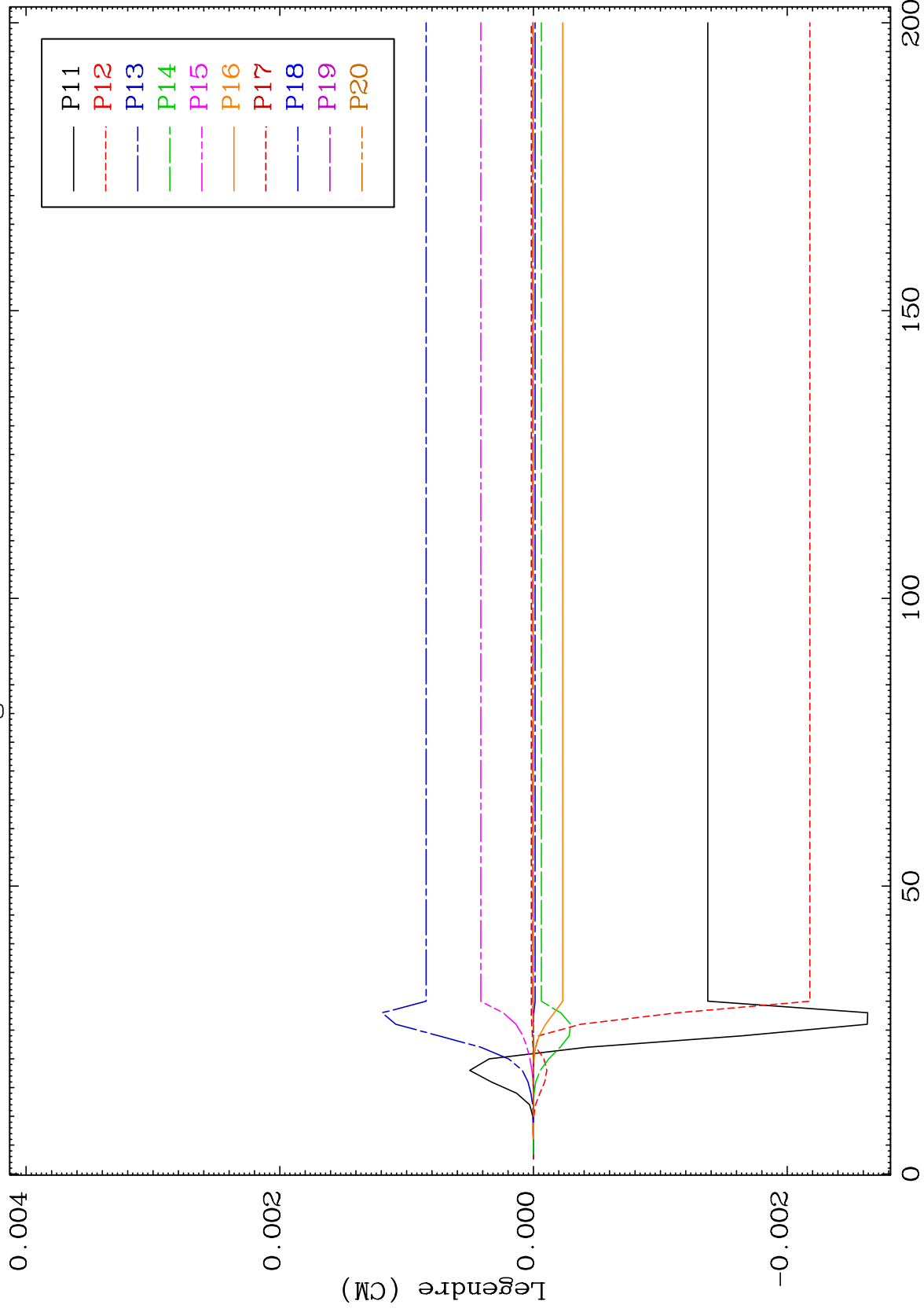
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

65-Tb-148



73

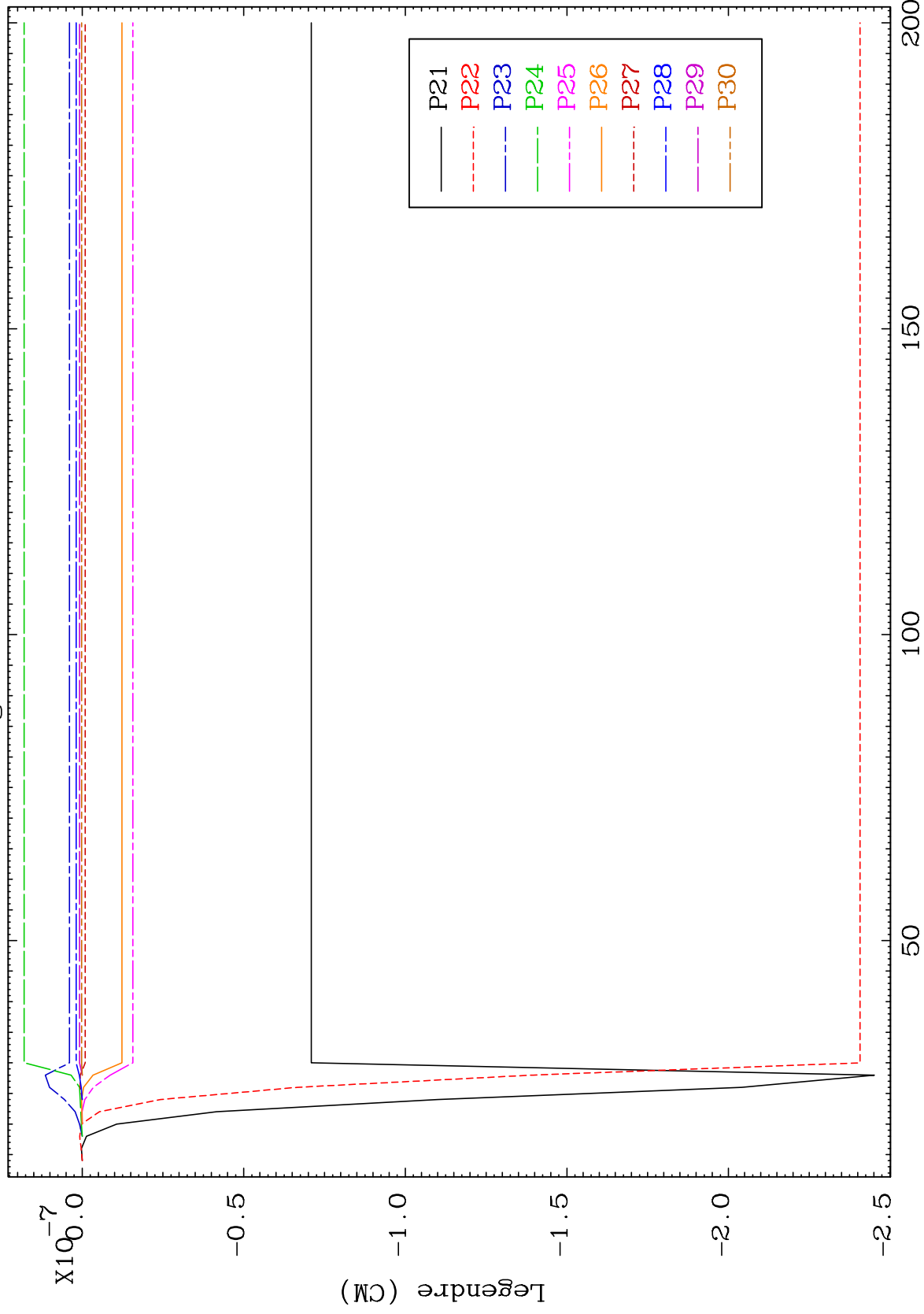
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

65-Tb-148



74

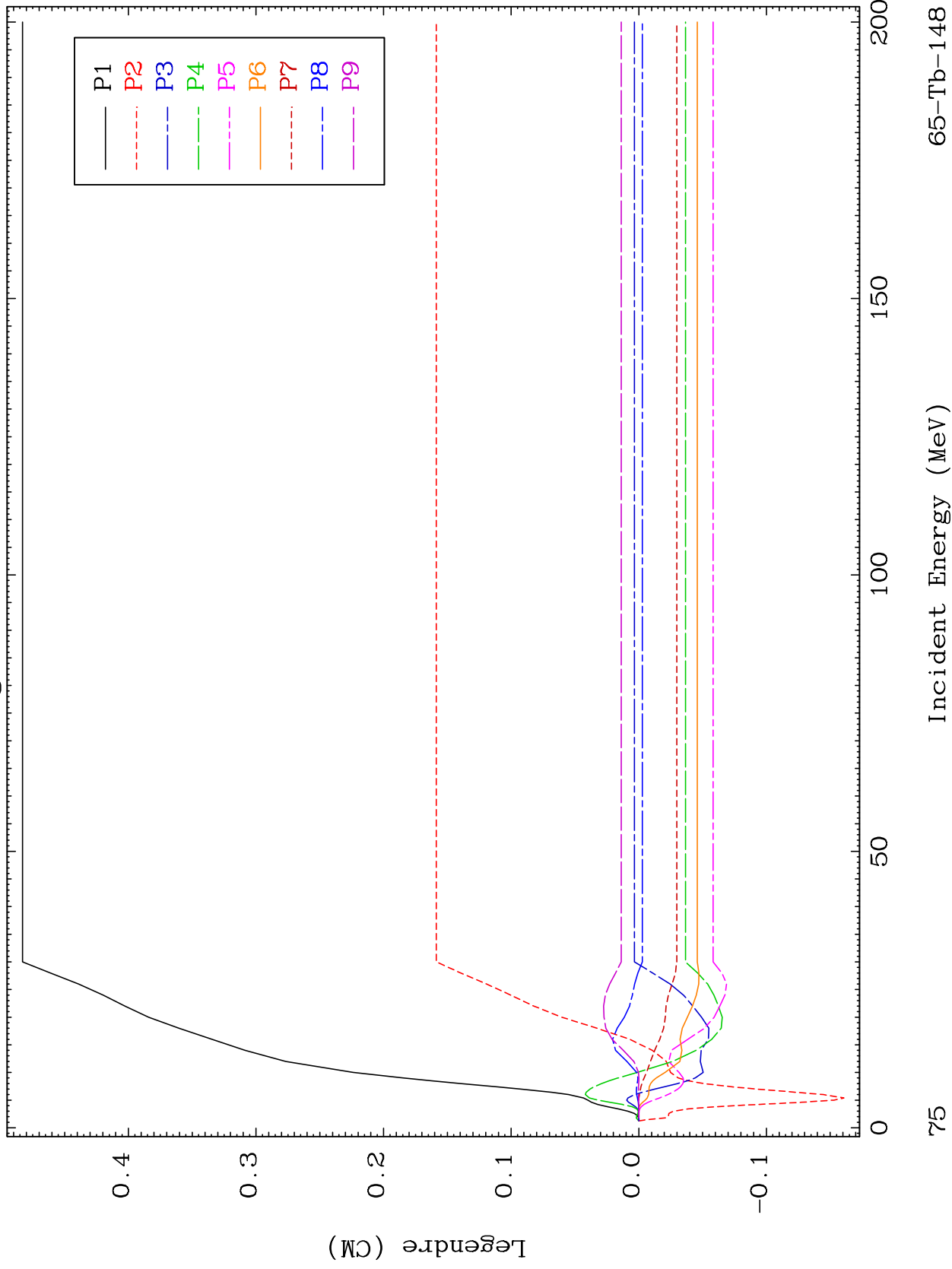
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

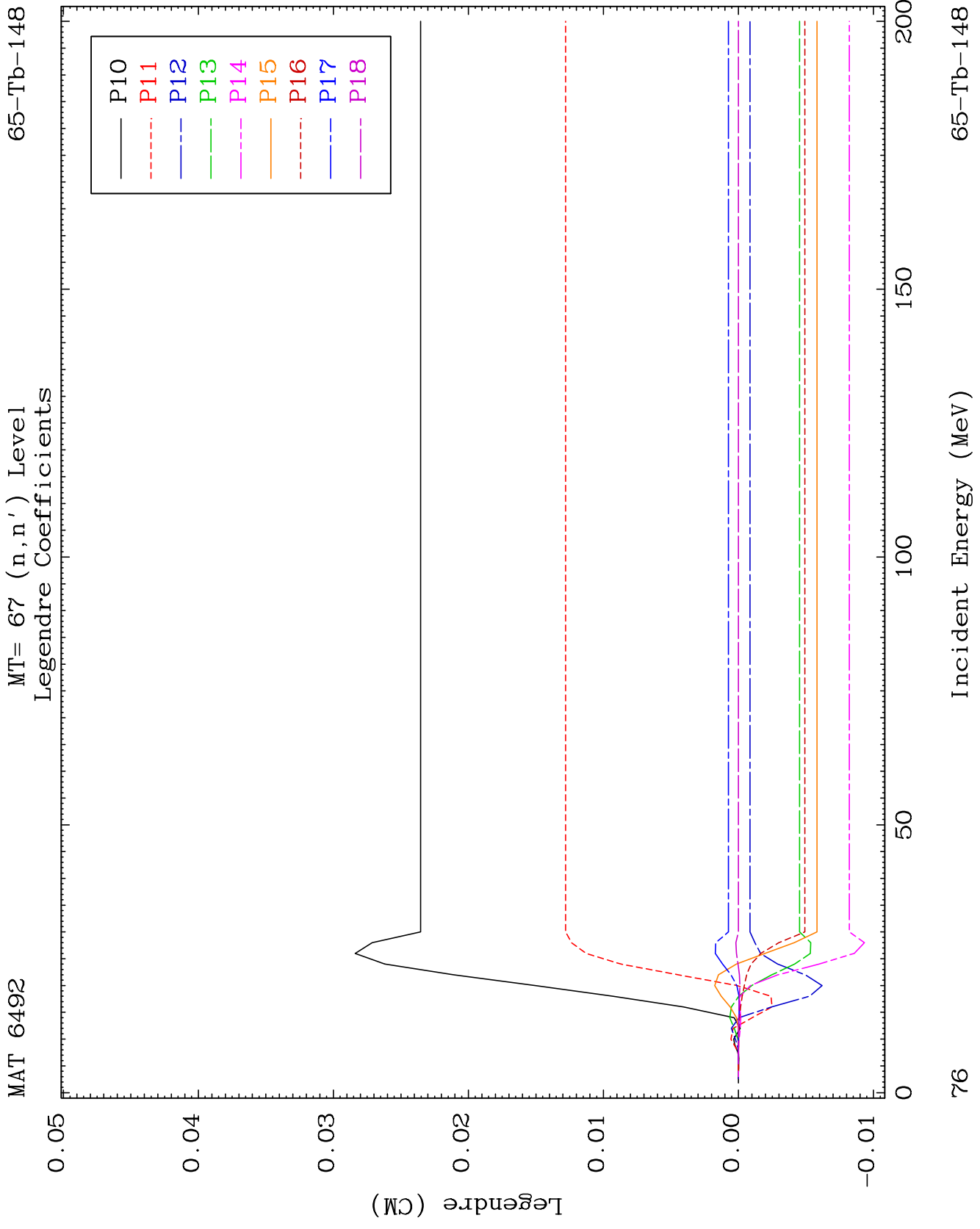
65-Tb-148



65-Tb-148

Incident Energy (MeV)

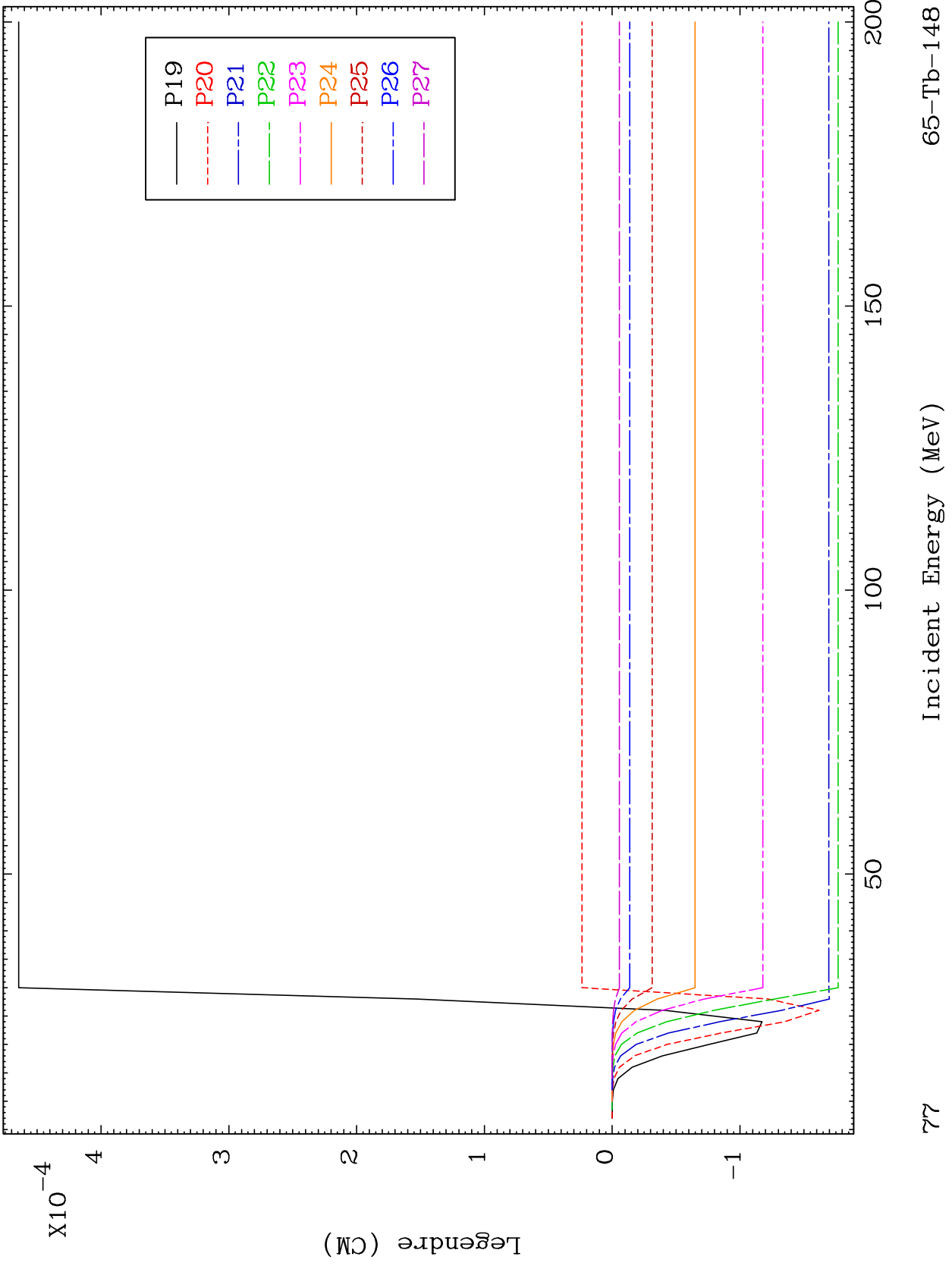
75



MAT 6492

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

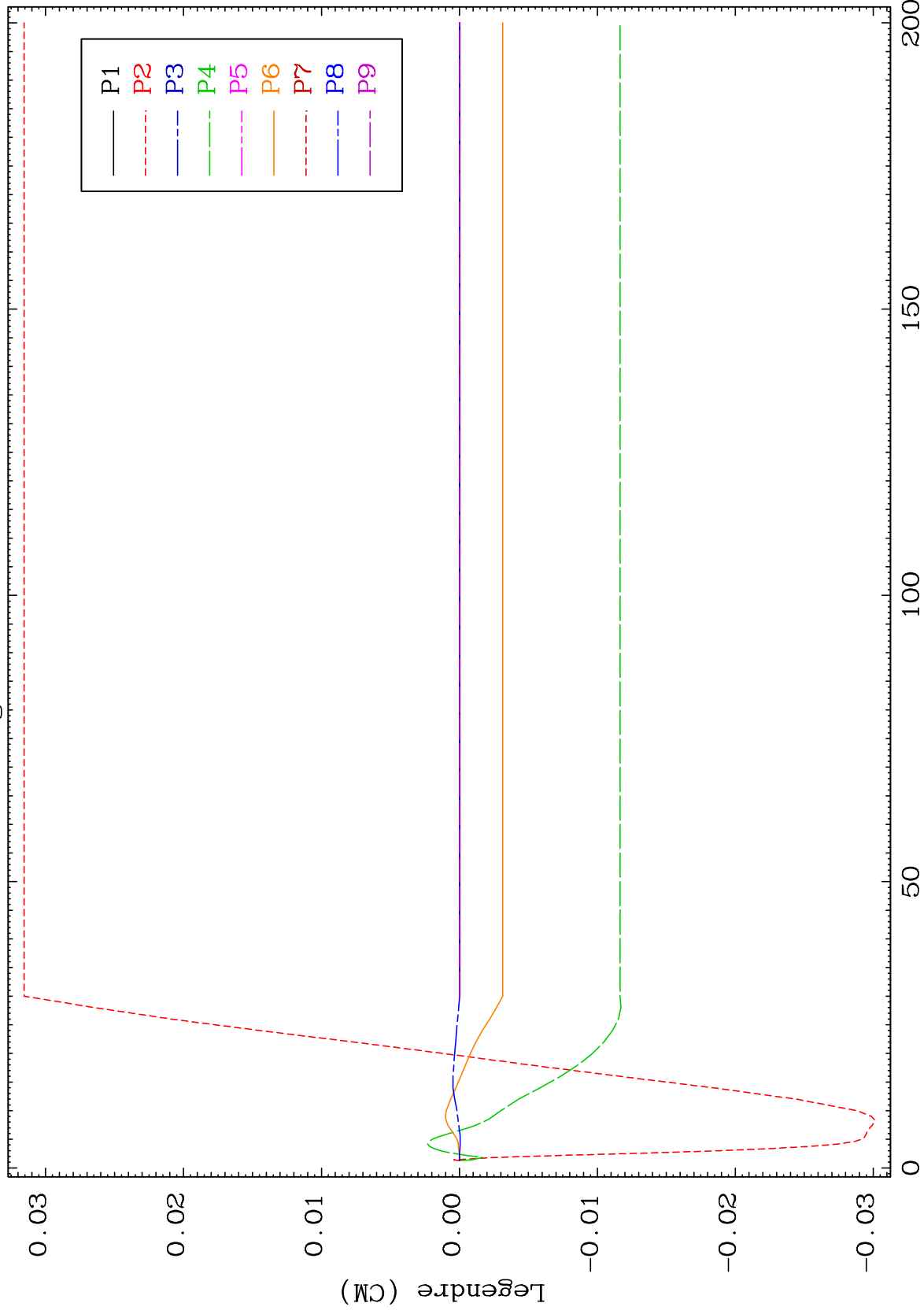
65-Tb-148



MAT 6492

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

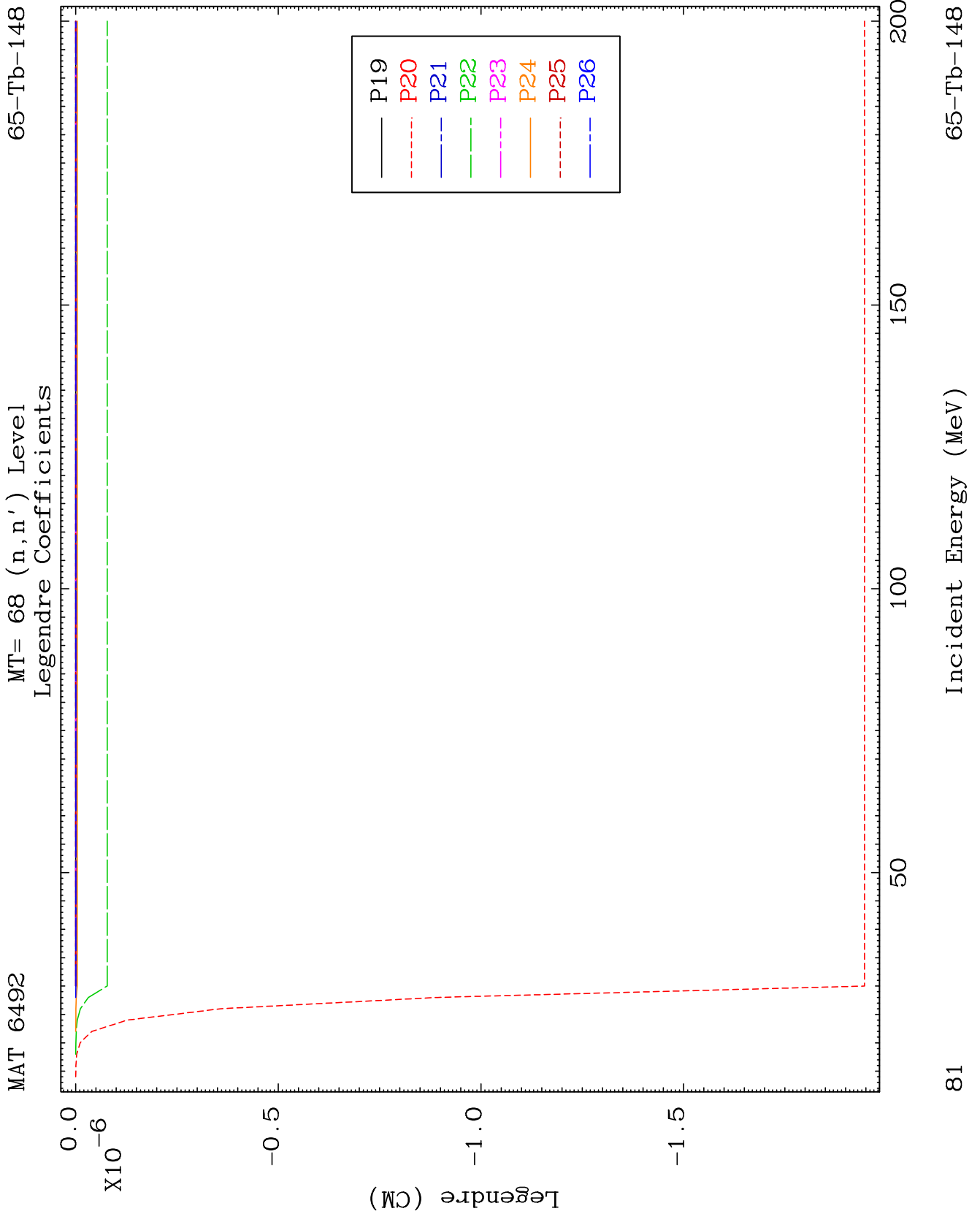
65-Tb-148



79

Incident Energy (MeV)

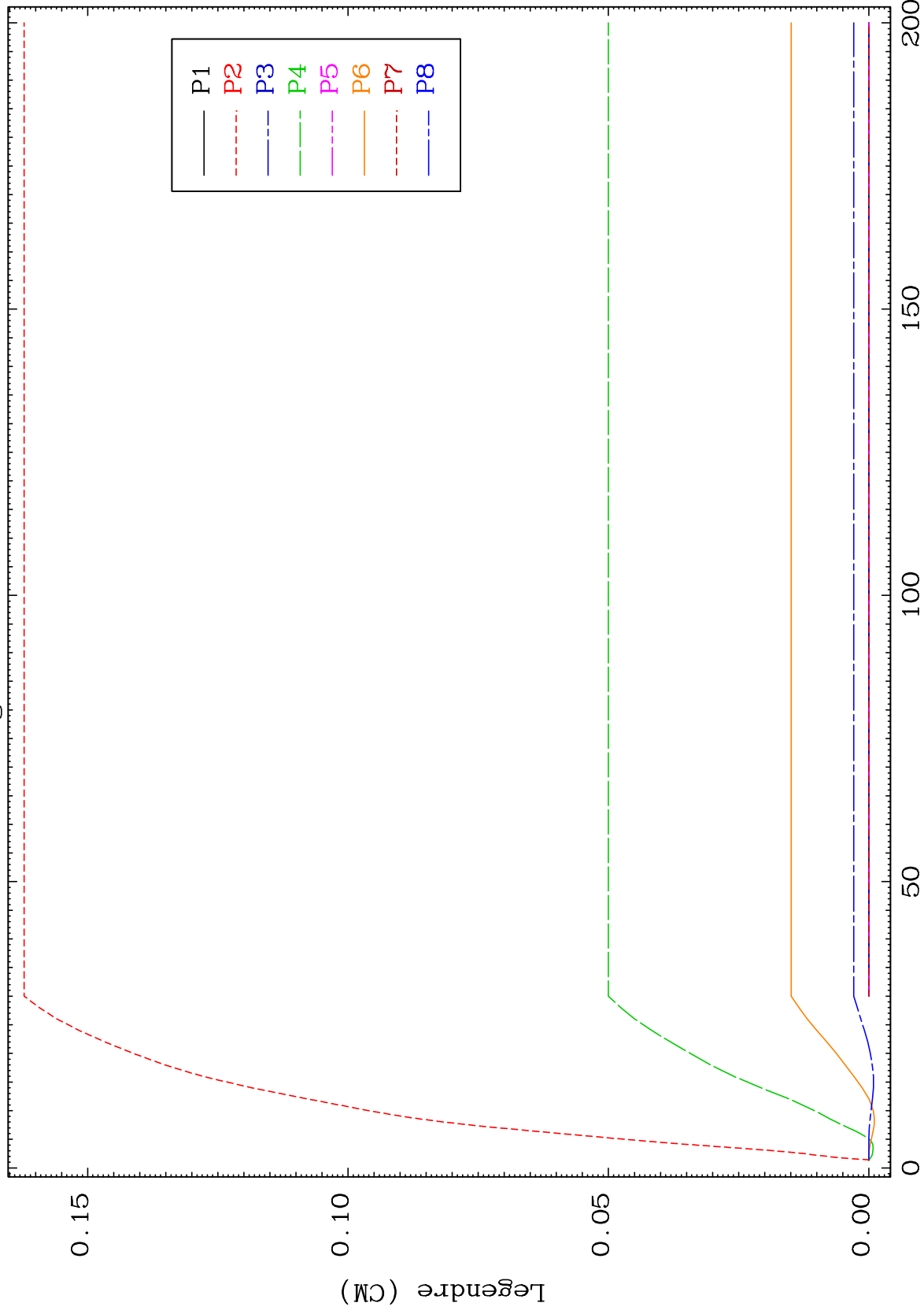
65-Tb-148



MAT 6492

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

65-Tb-148



82

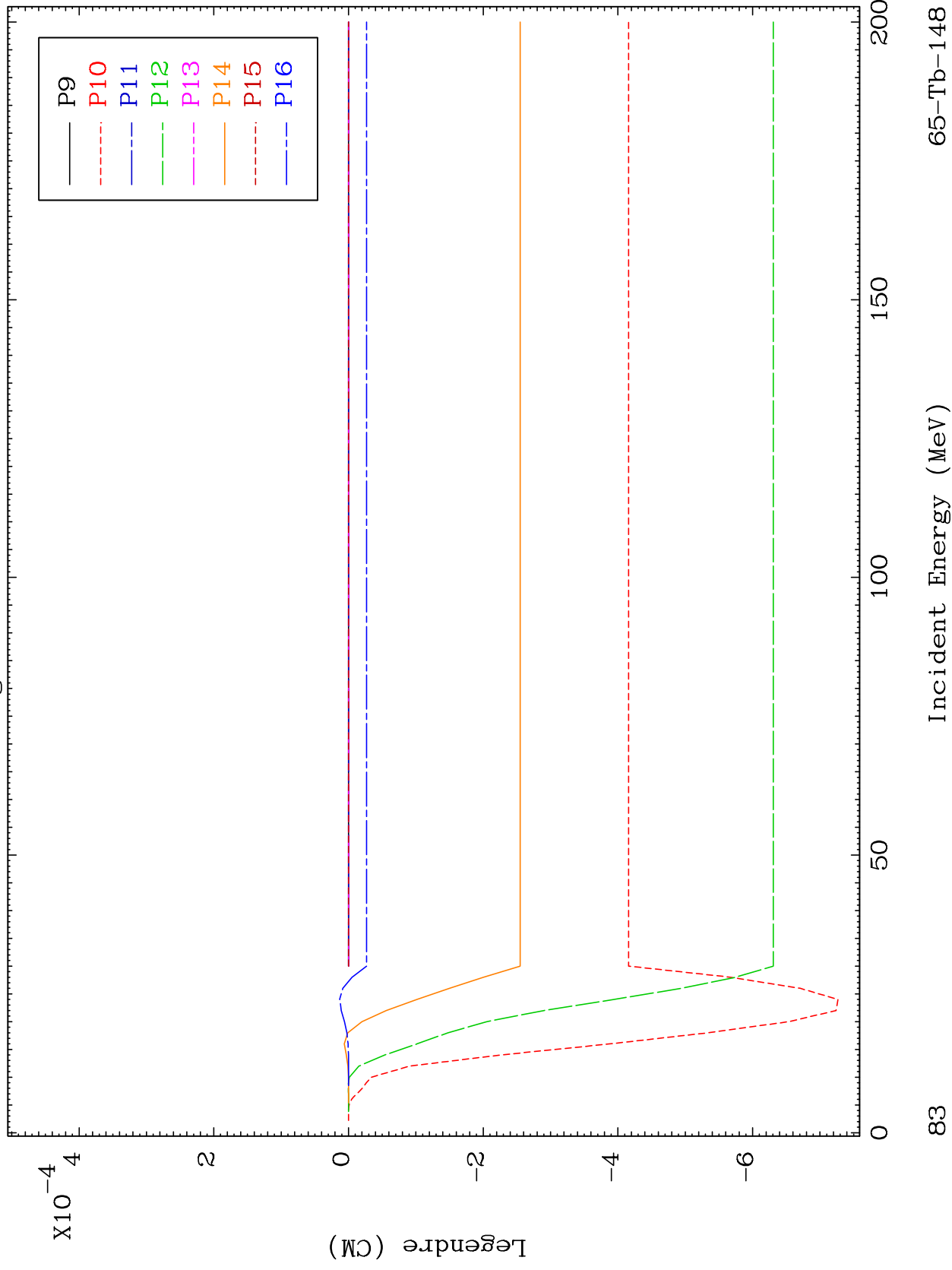
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

65-Tb-148



83

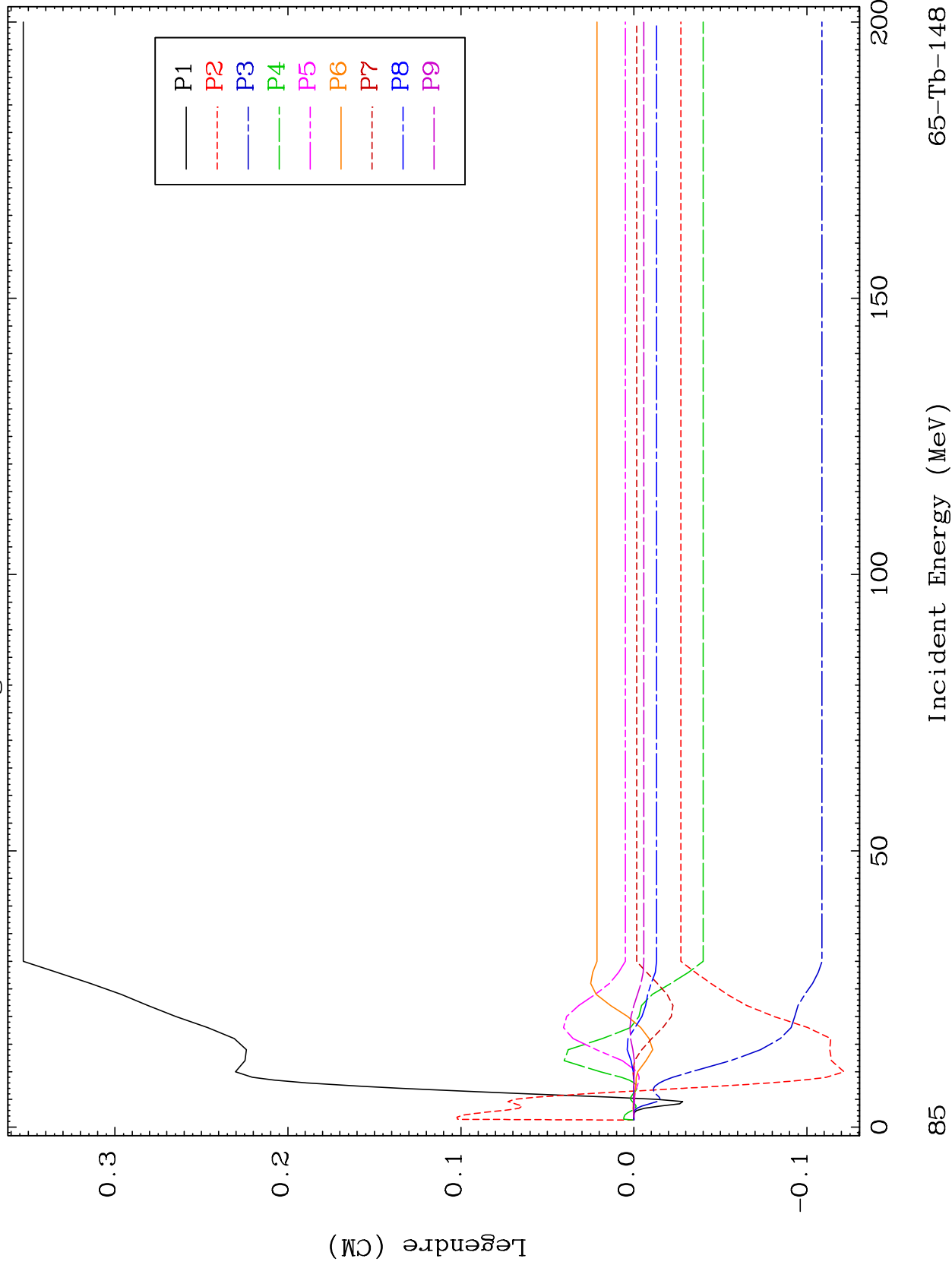
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

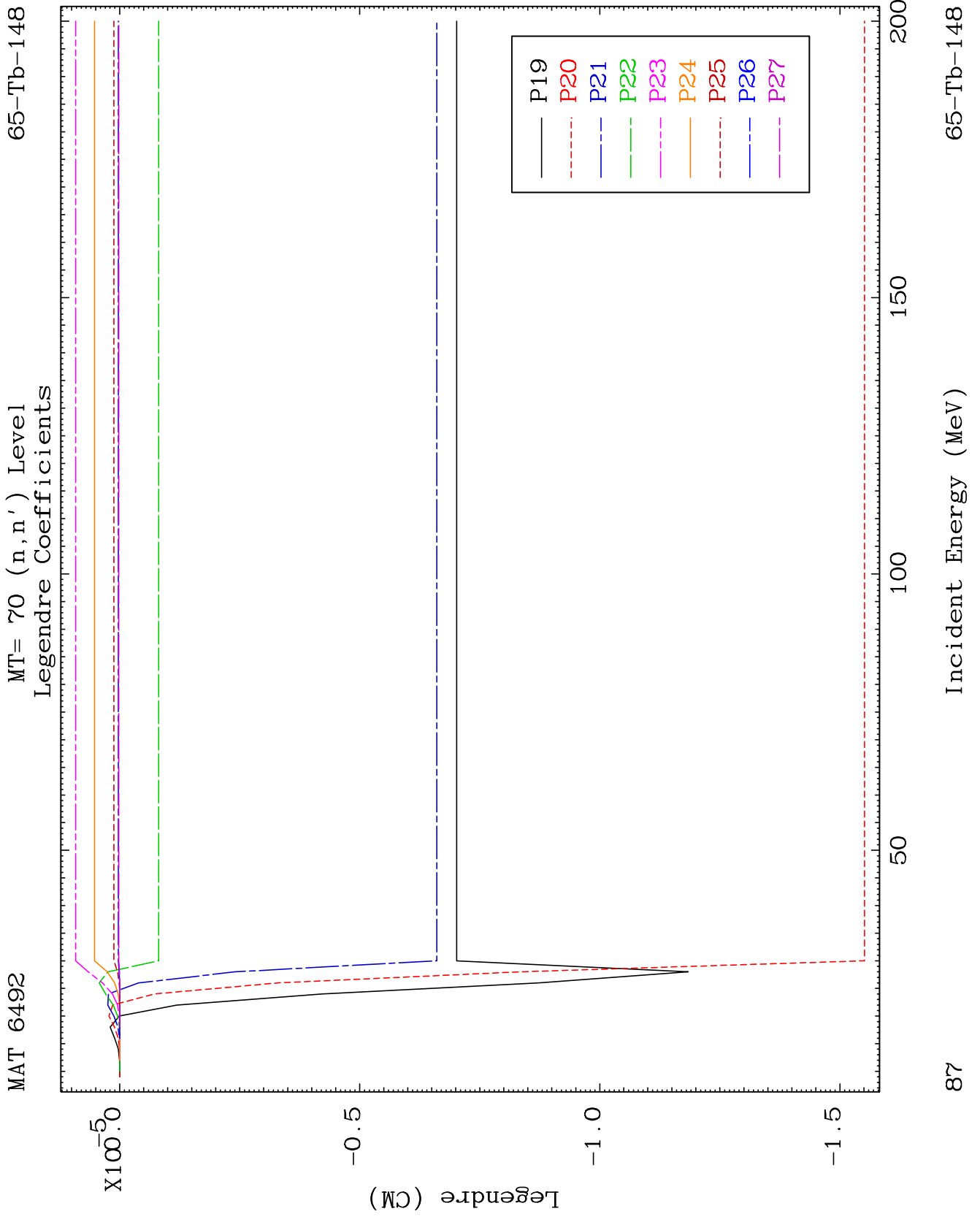
65-Tb-148



65-Tb-148

Incident Energy (MeV)

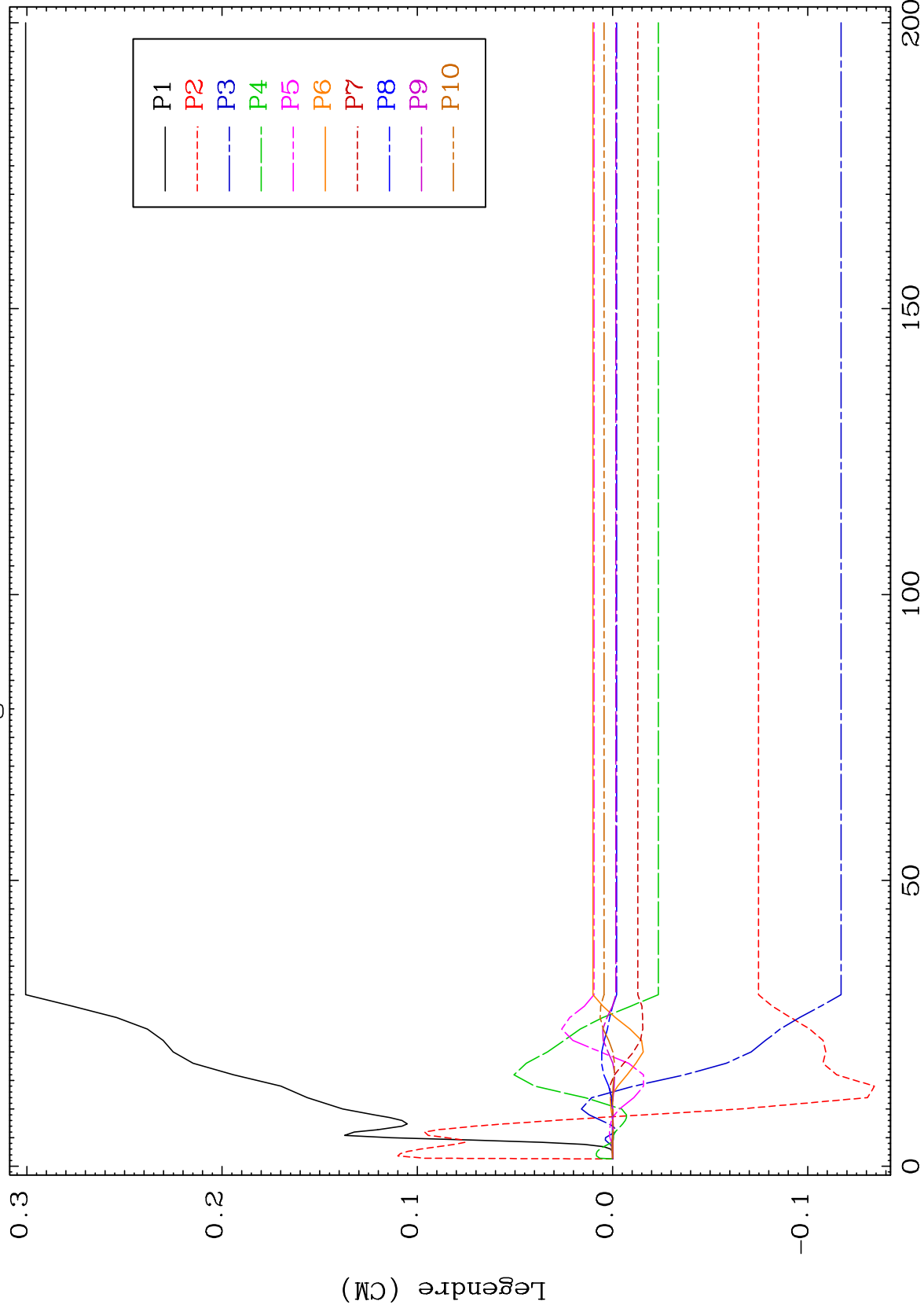
85



MAT 6492

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

65-Tb-148



89

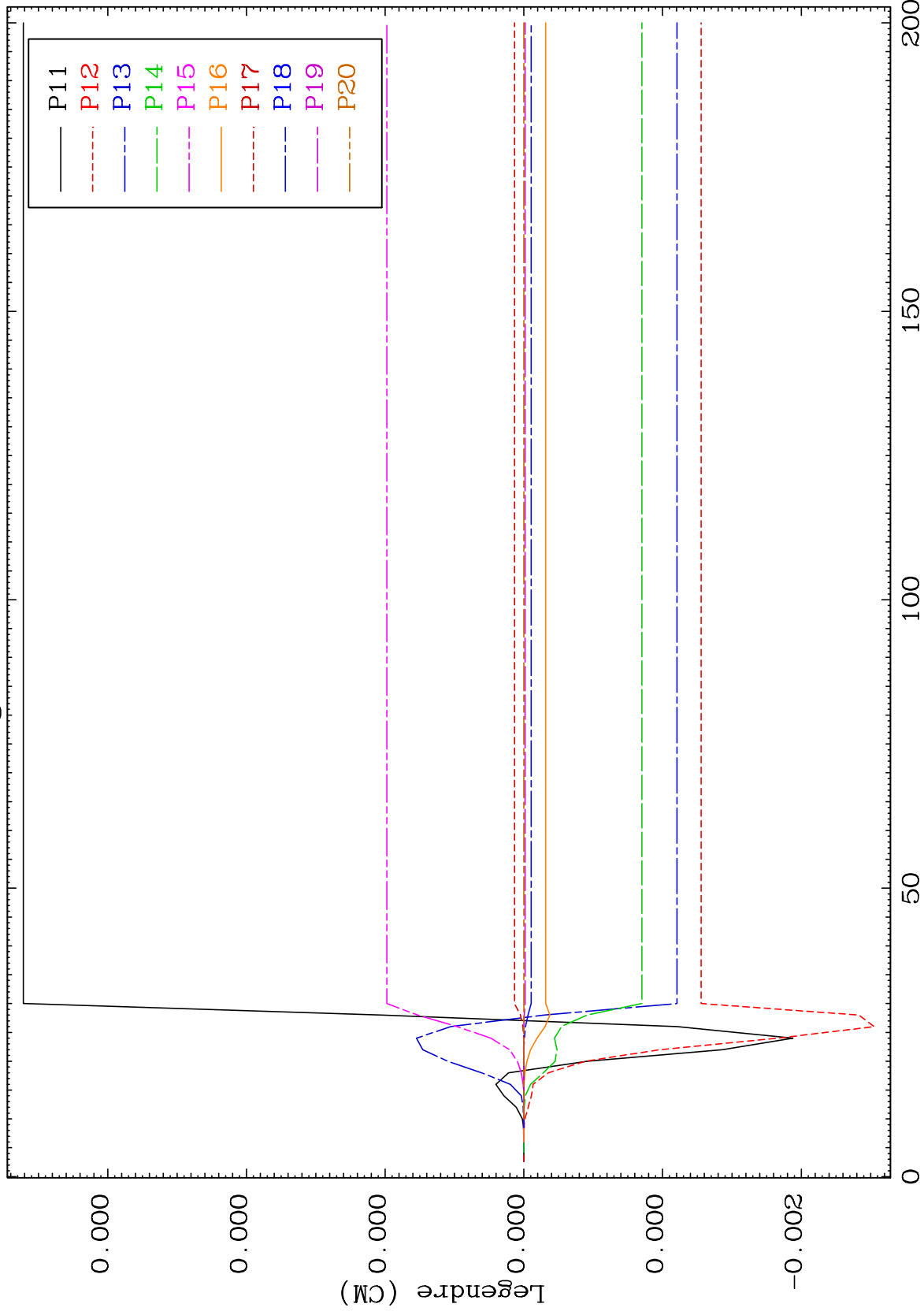
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

65-Tb-148



90

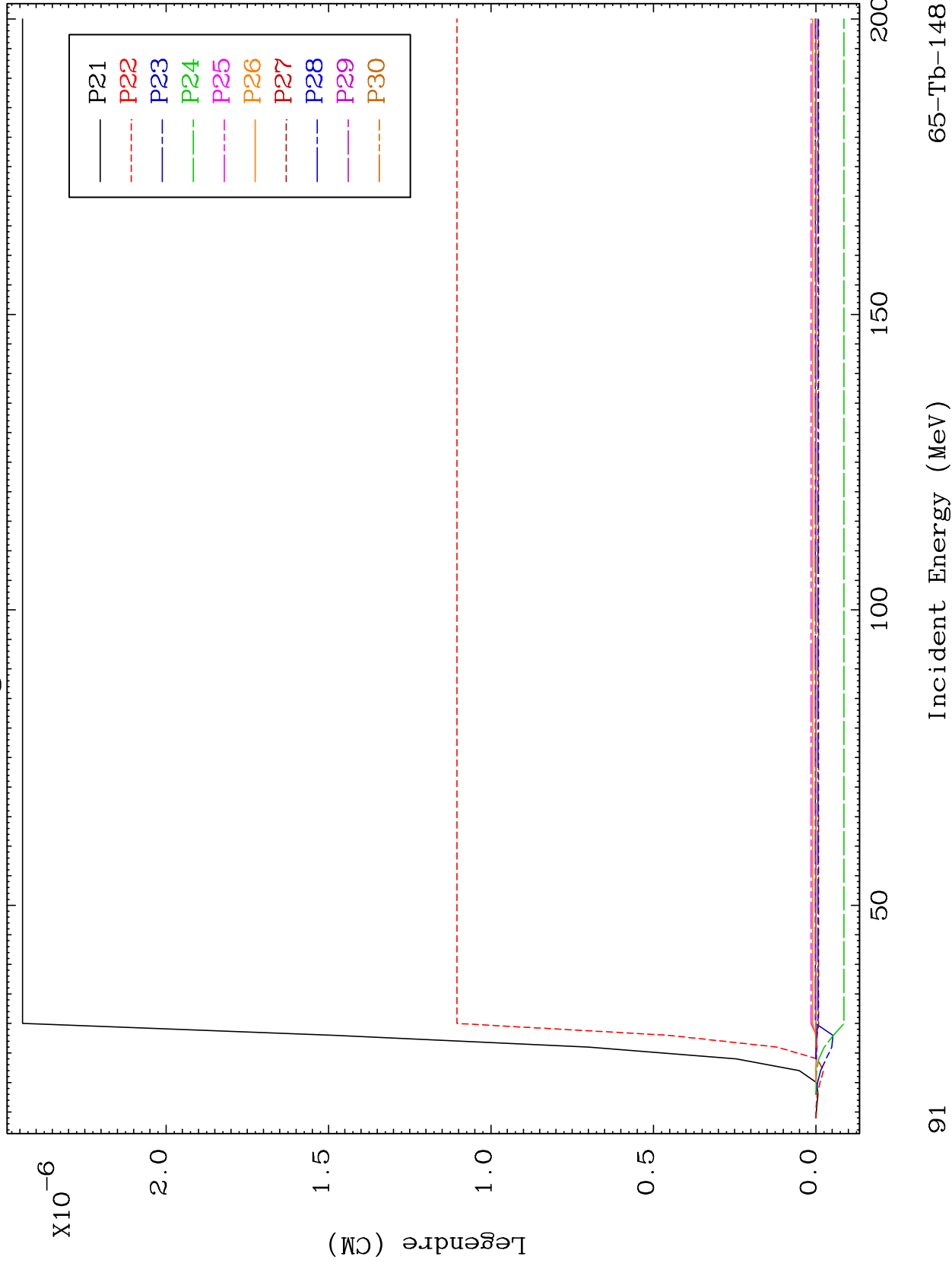
Incident Energy (MeV)

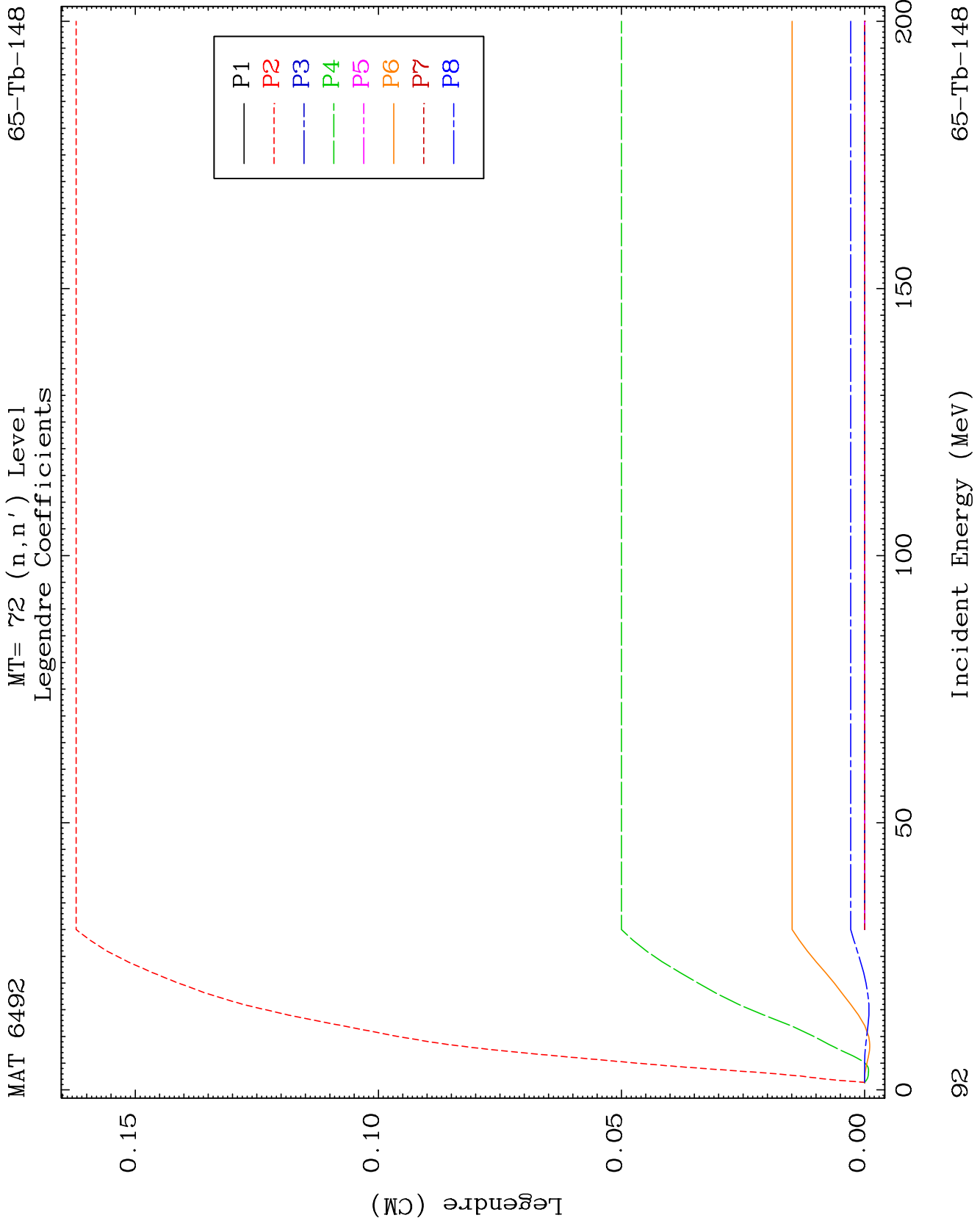
65-Tb-148

MAT 6492

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

65-Tb-148

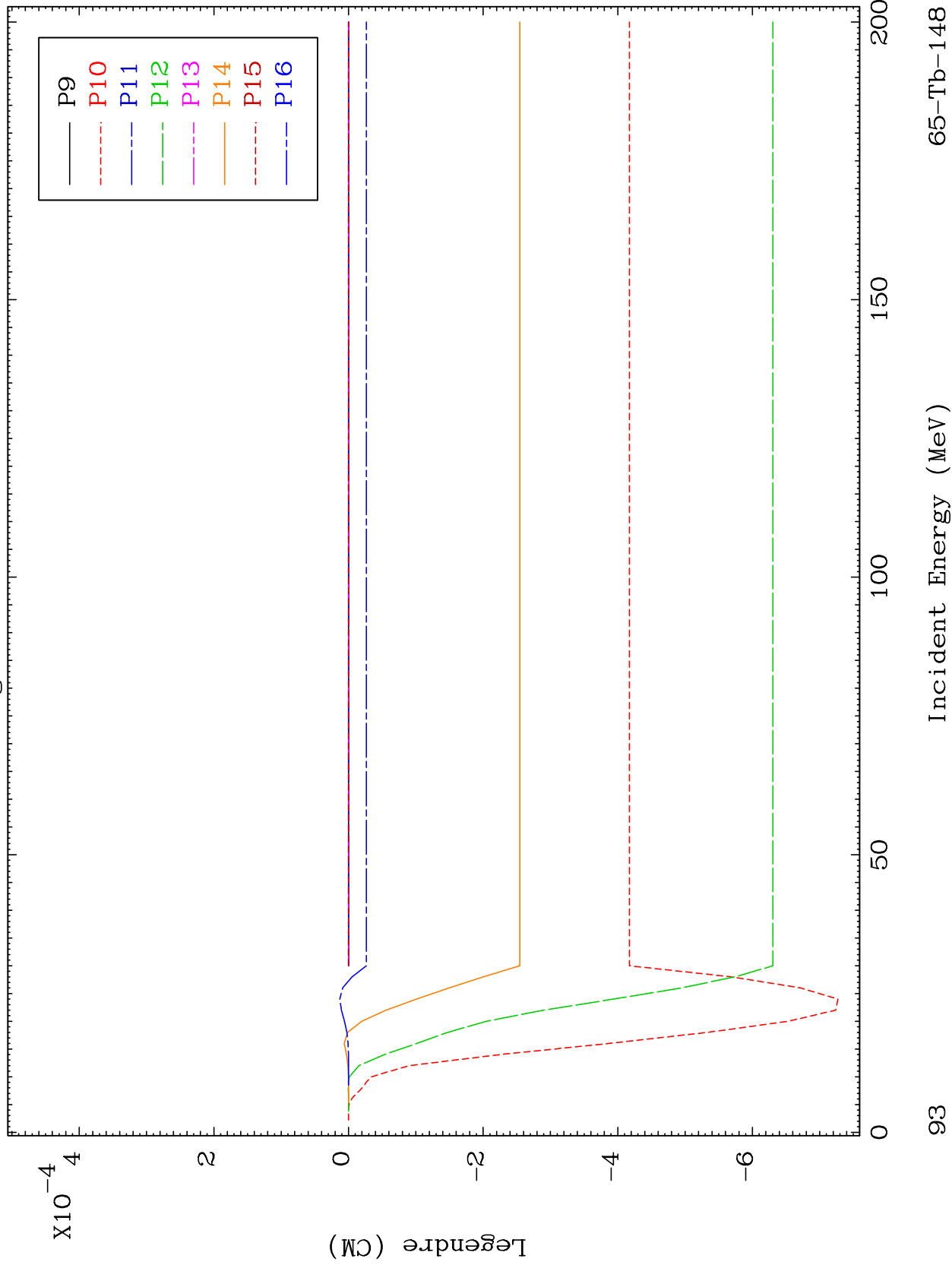




MAT 6492

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

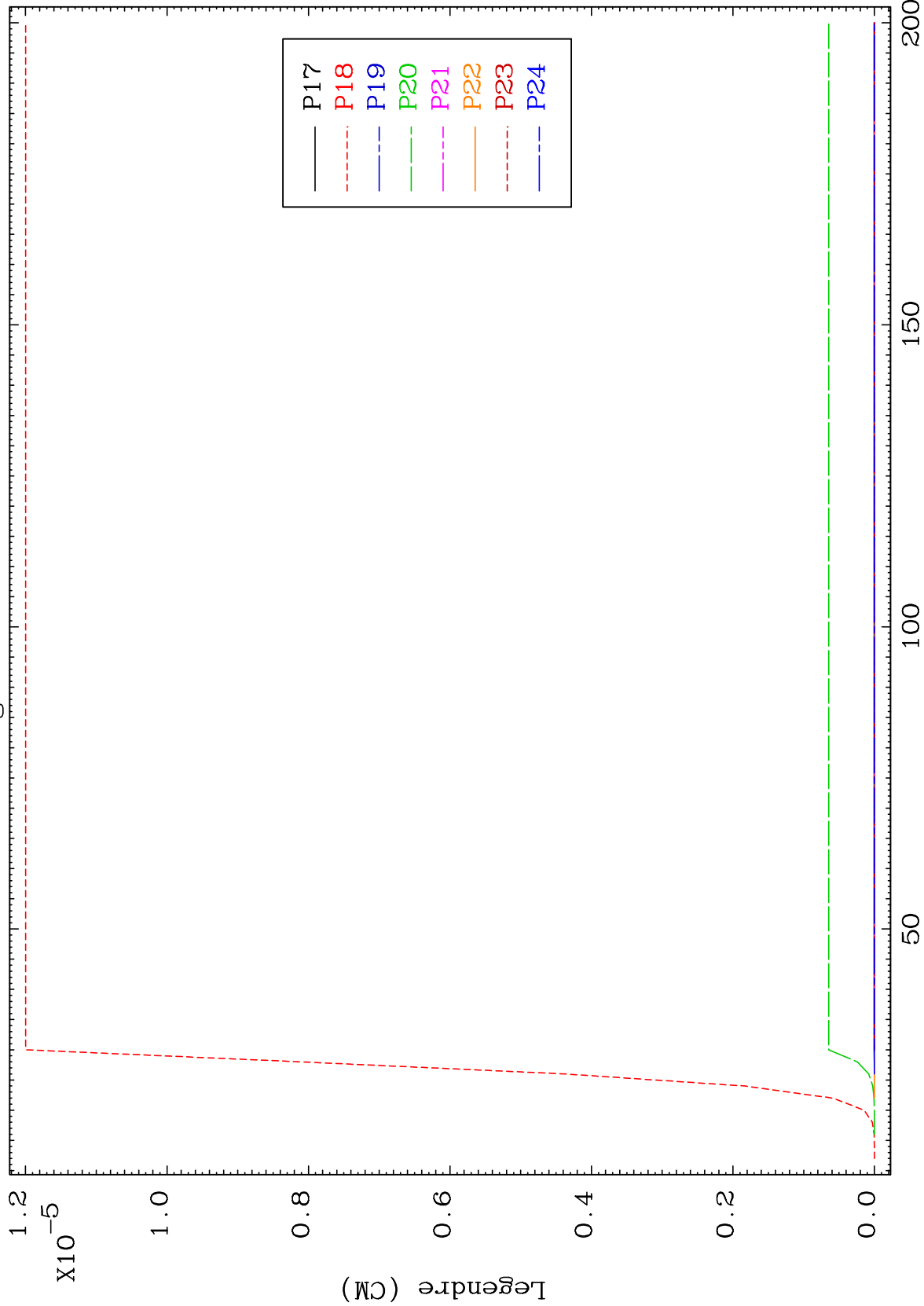
65-Tb-148



MAT 6492

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

65-Tb-148



94

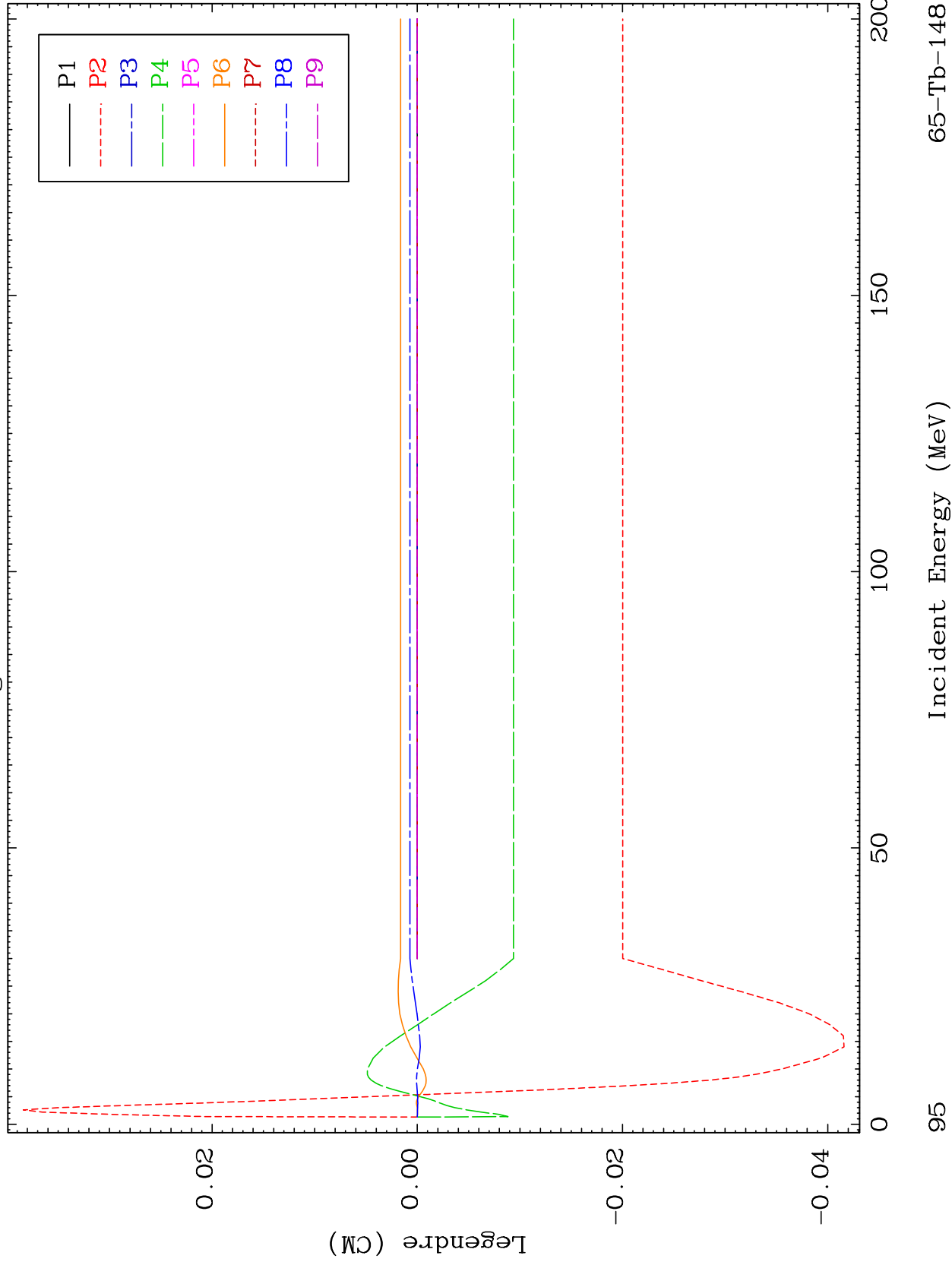
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

65-Tb-148



65-Tb-148

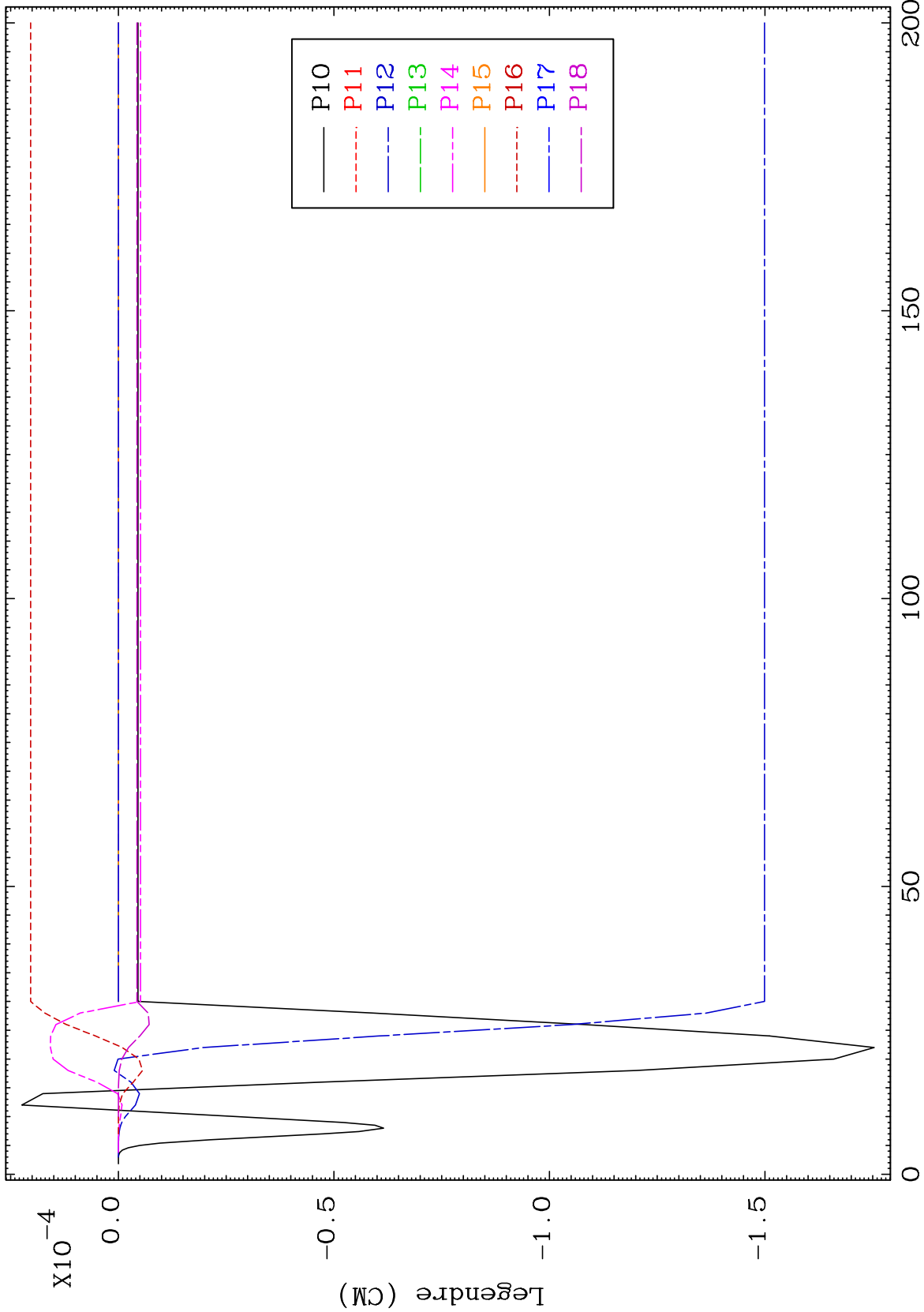
Incident Energy (MeV)

95

MAT 6492

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

65-Tb-148



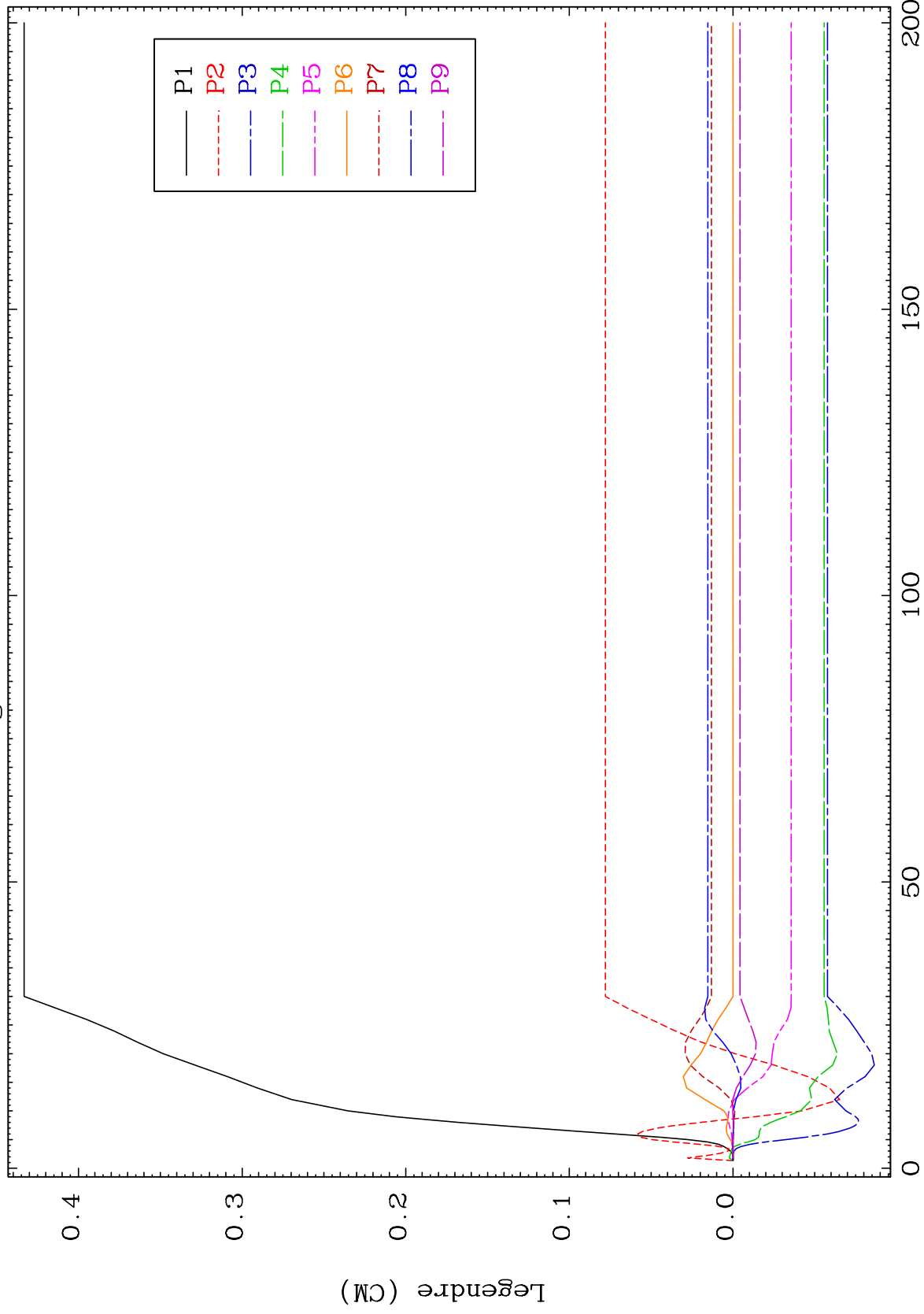
96

65-Tb-148

MAT 6492

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

65-Tb-148



98

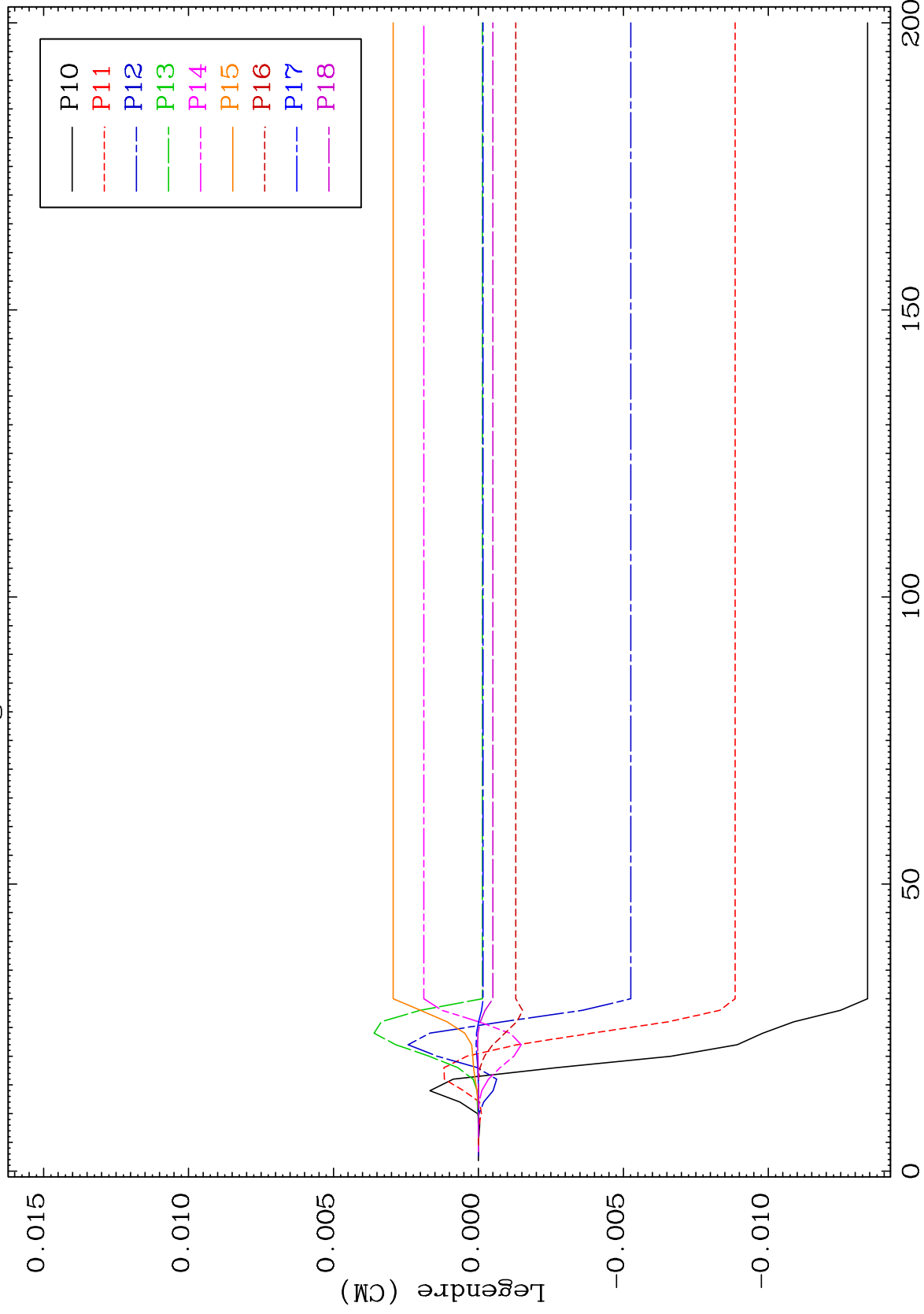
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

65-Tb-148



99

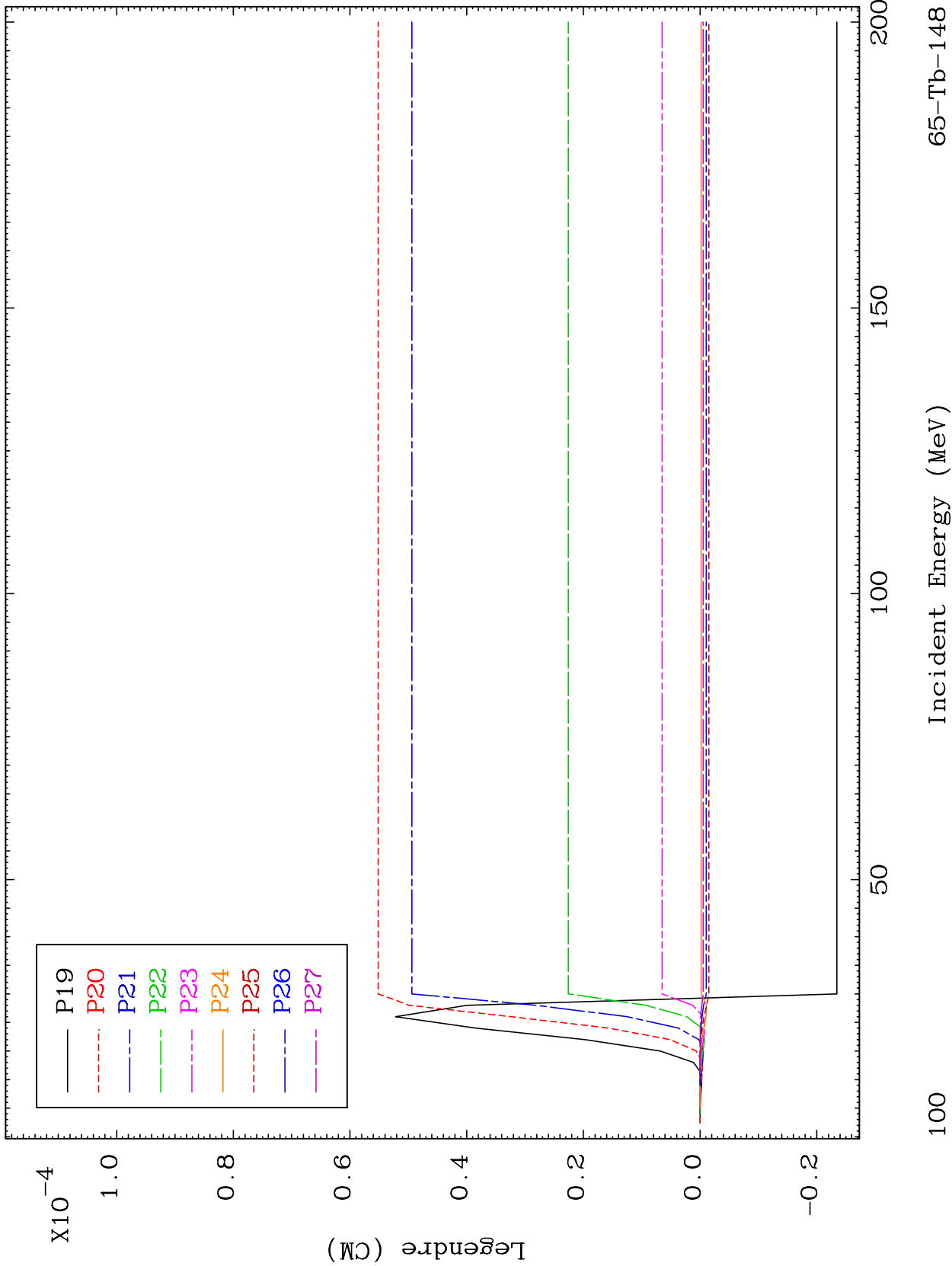
Incident Energy (MeV)

65-Tb-148

MAT 6492

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

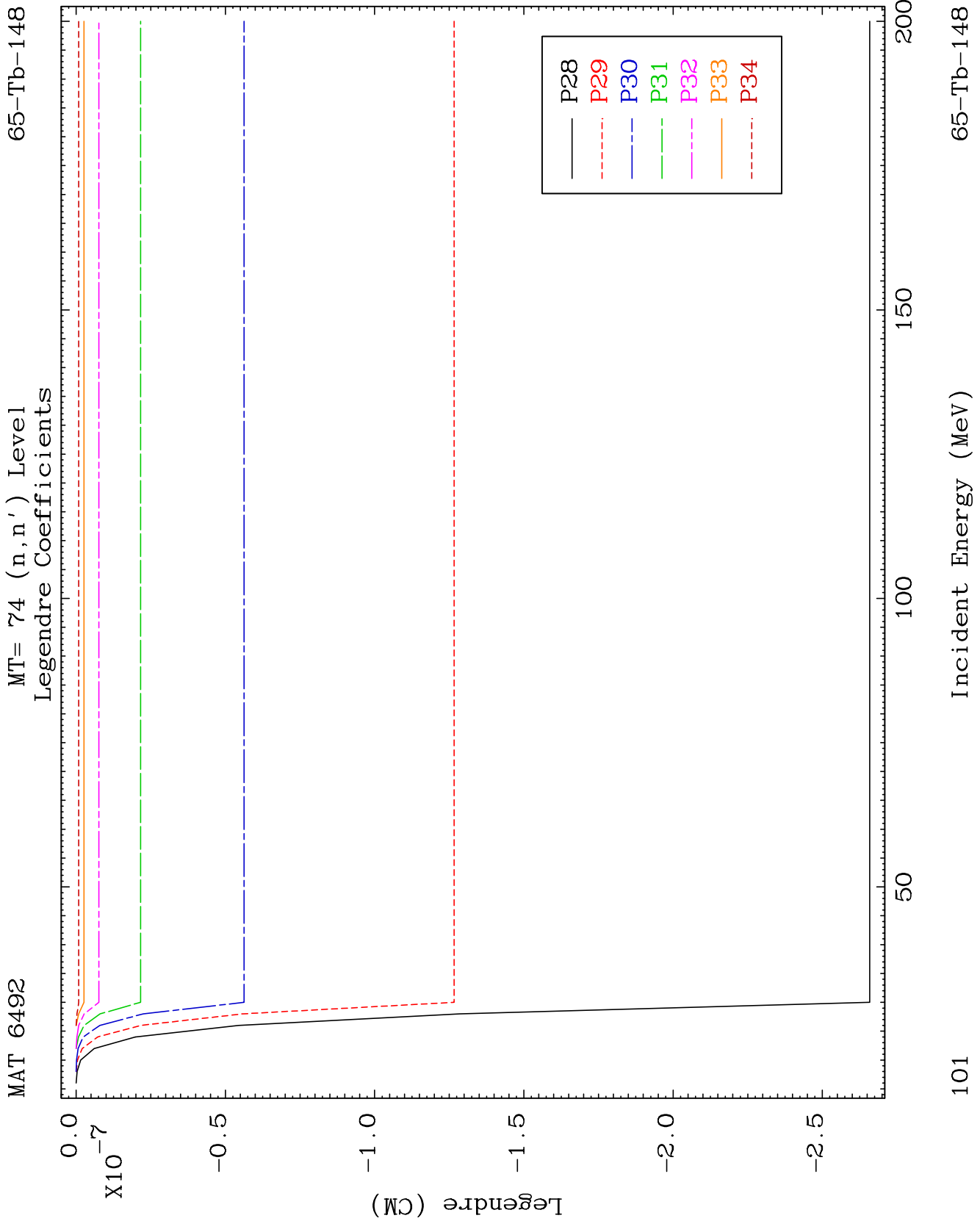
65-Tb-148



100

Incident Energy (MeV)

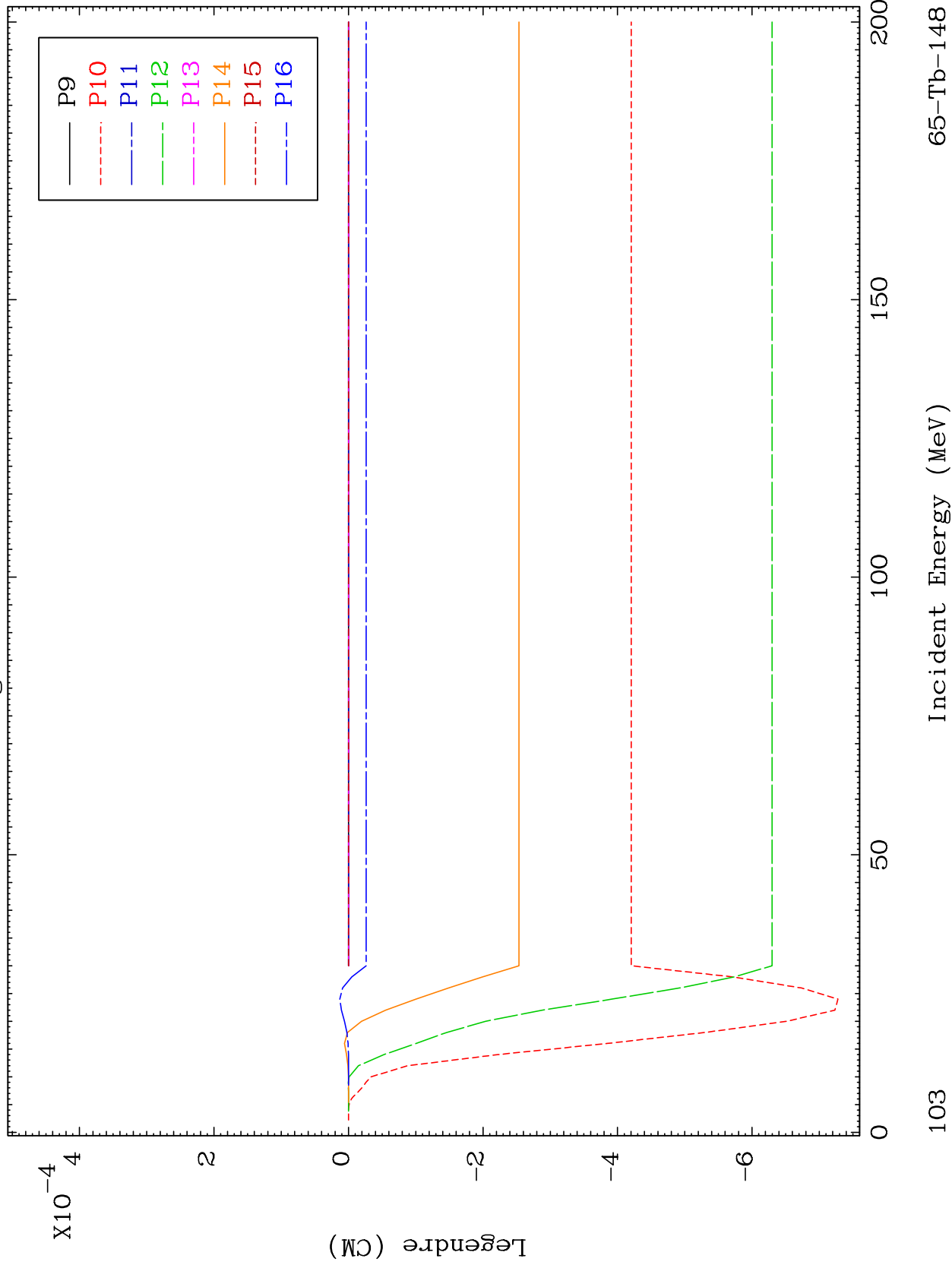
65-Tb-148



MAT 6492

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

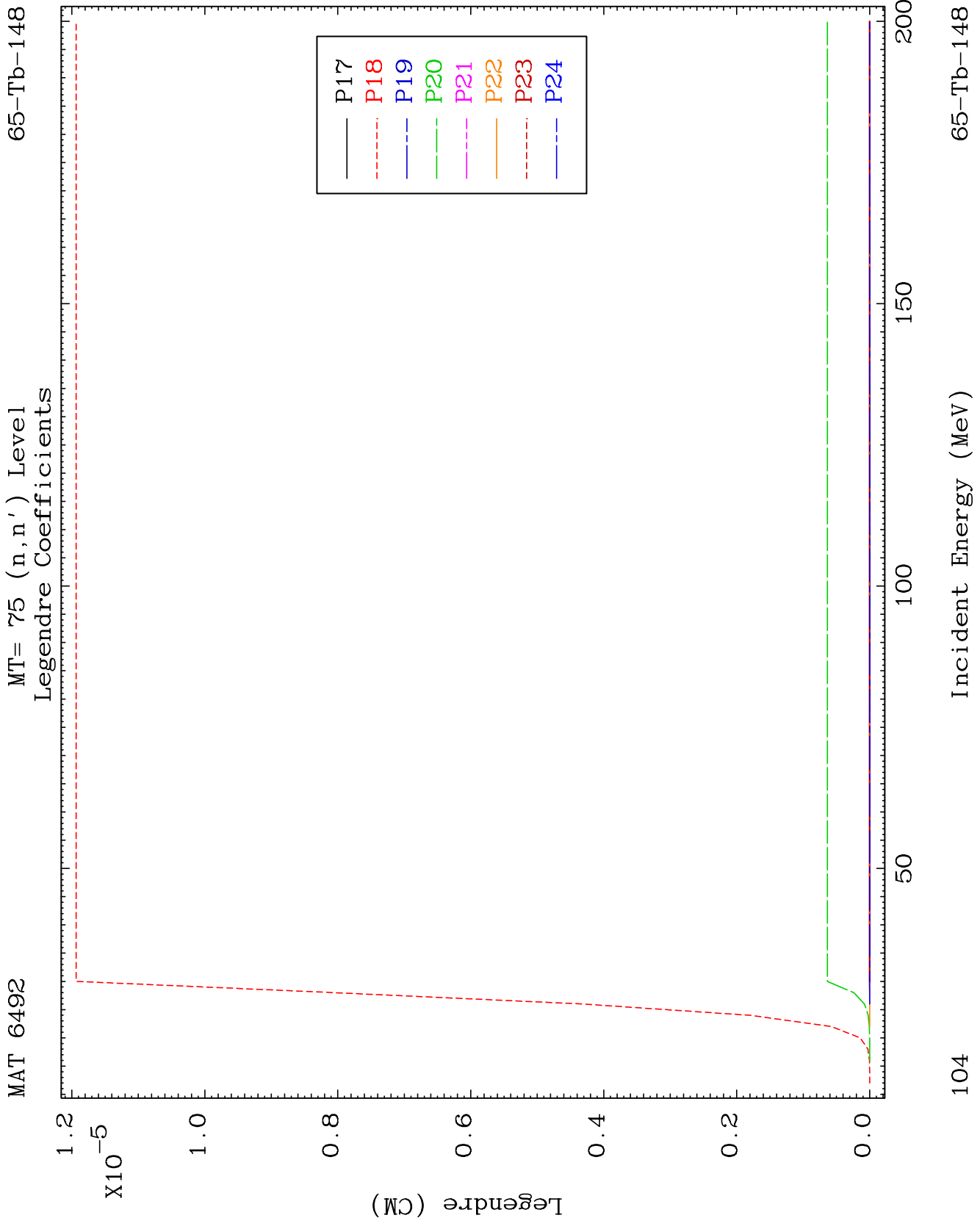
65-Tb-148

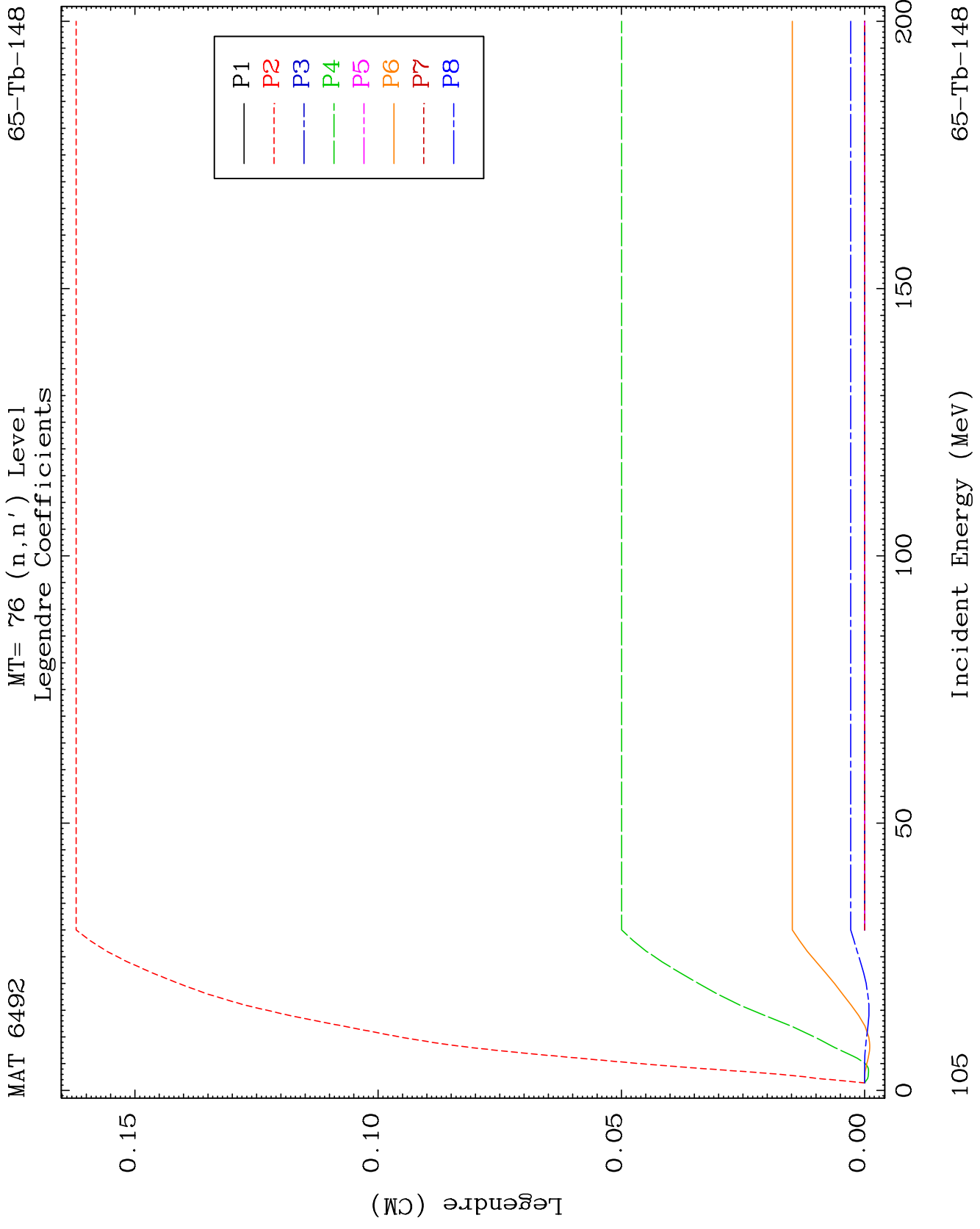


103

Incident Energy (MeV)

65-Tb-148

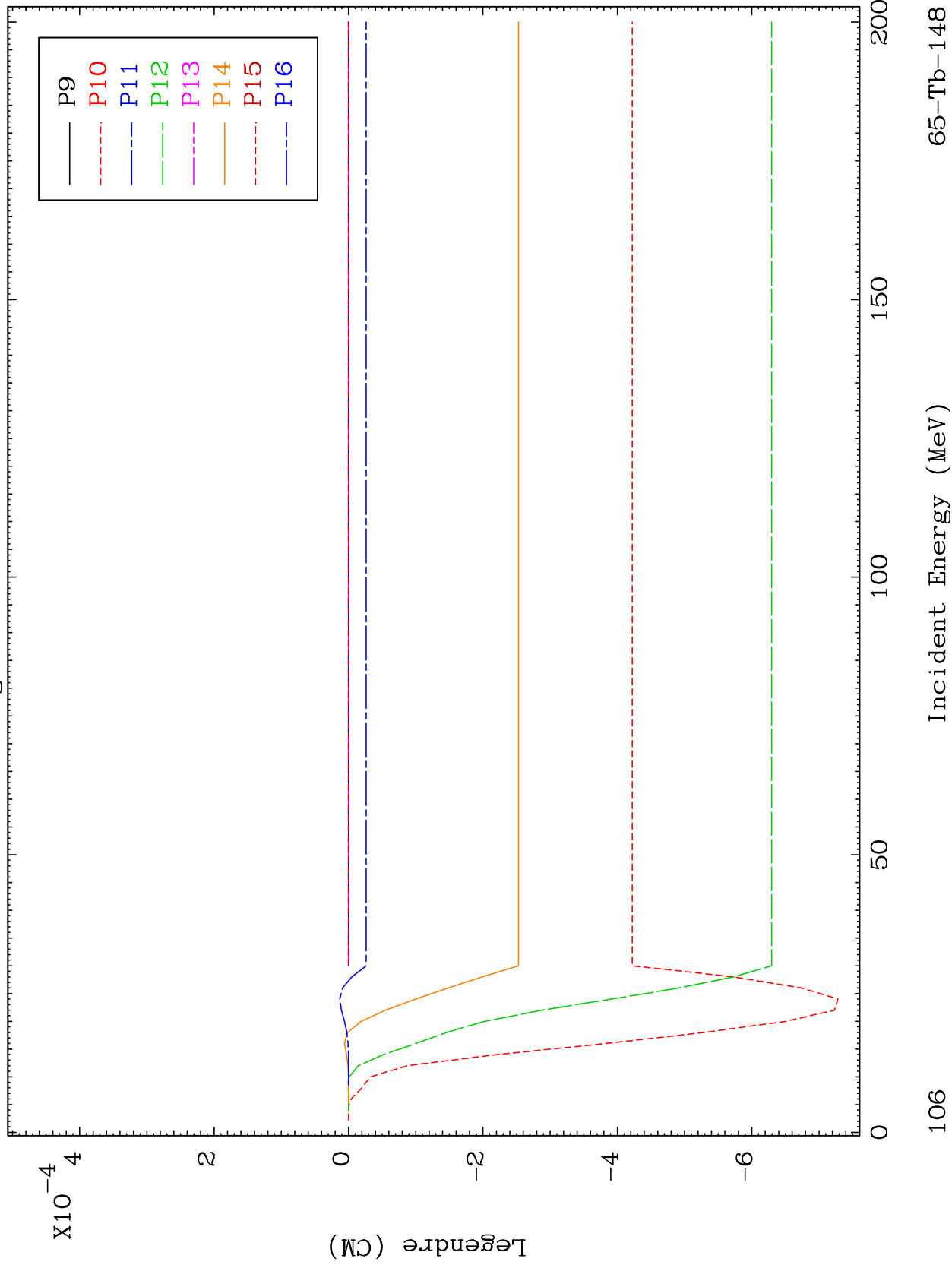


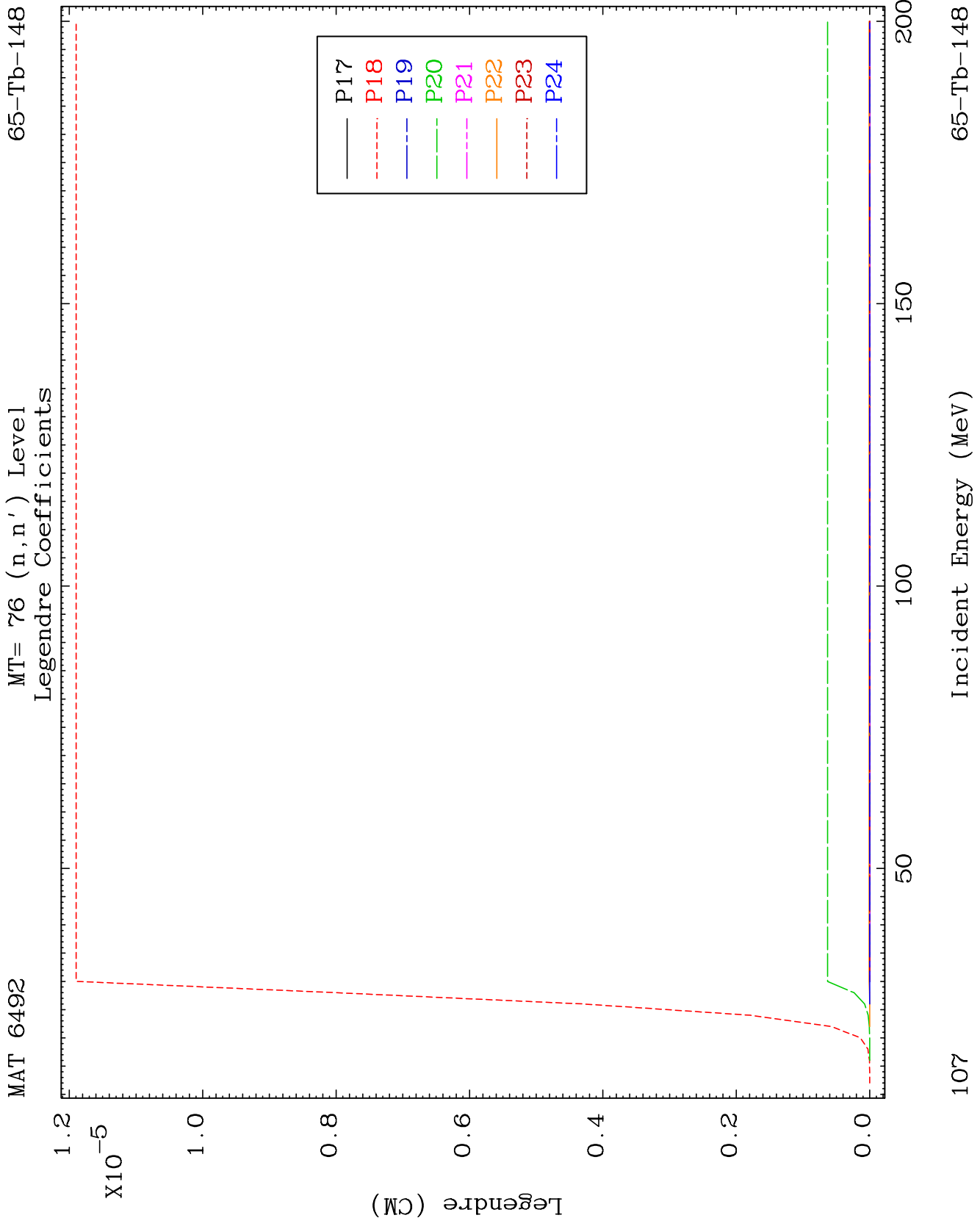


MAT 6492

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

65-Tb-148

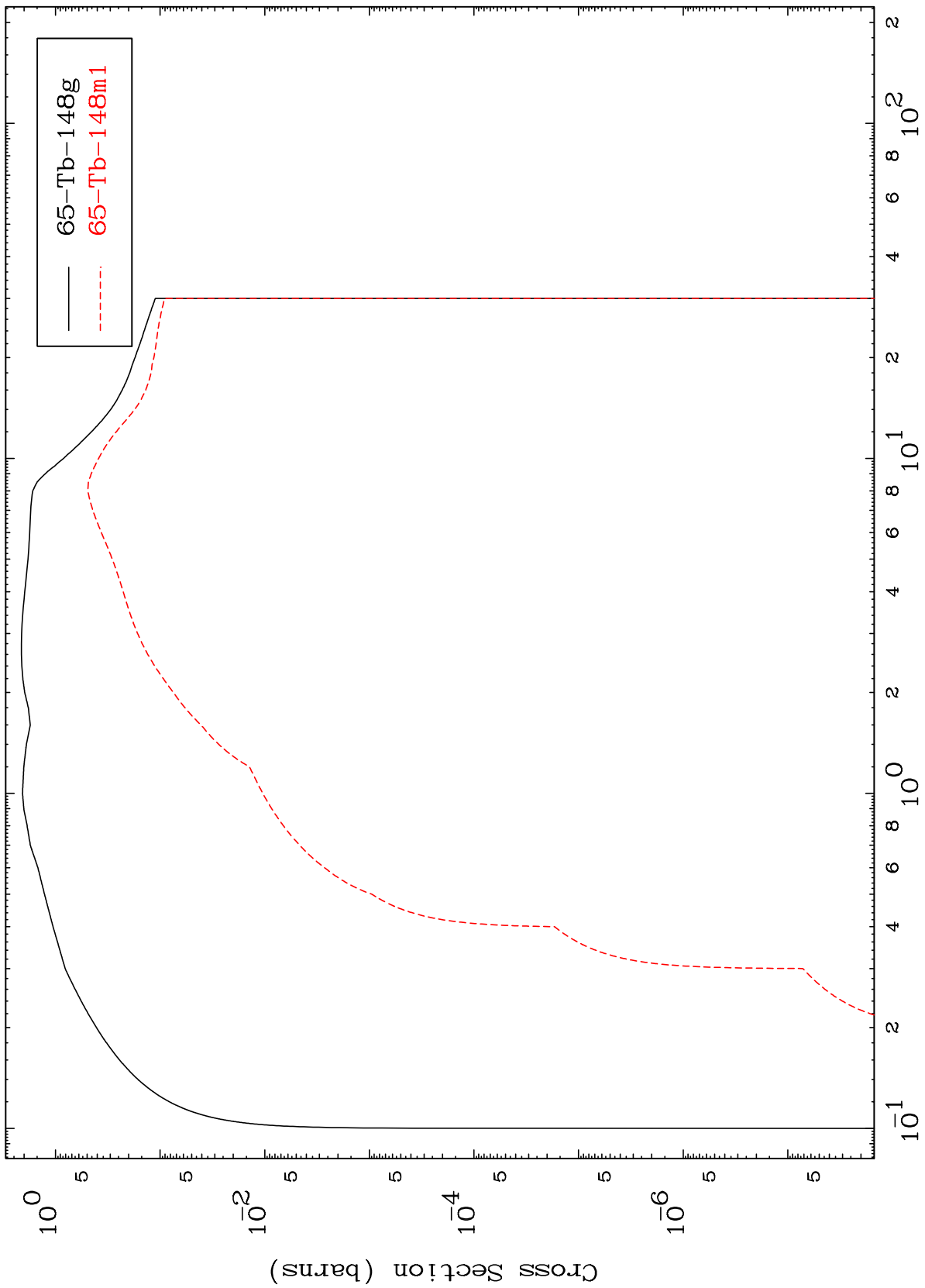




MAT 6492

65-Tb-148

Inelastic Radionuclide Production Cross Section



65-Tb-148

Incident Energy (MeV)

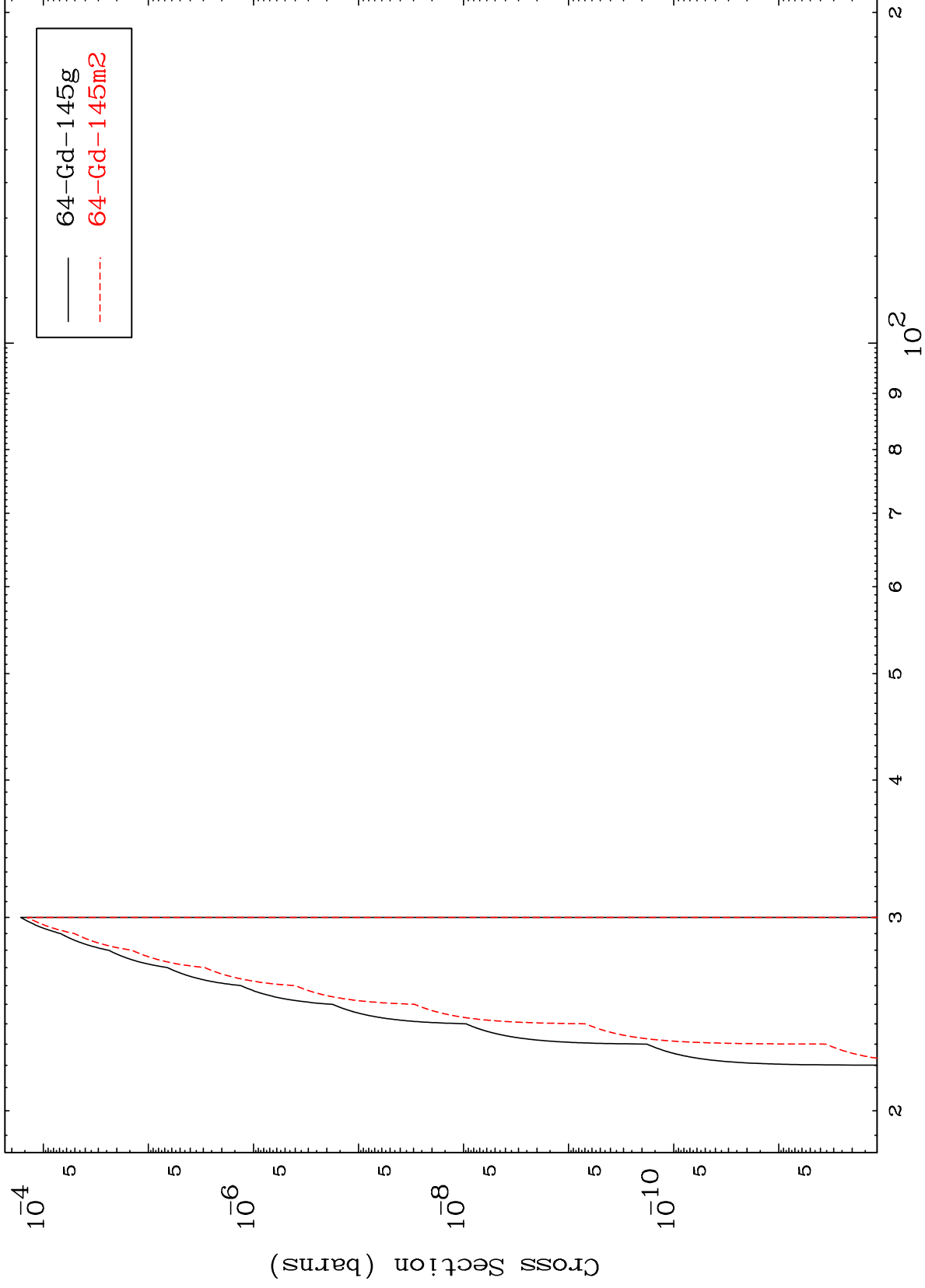
108

MAT 6492

(n,2n) d

65-Tb-148

Radionuclide Production Cross Section



109

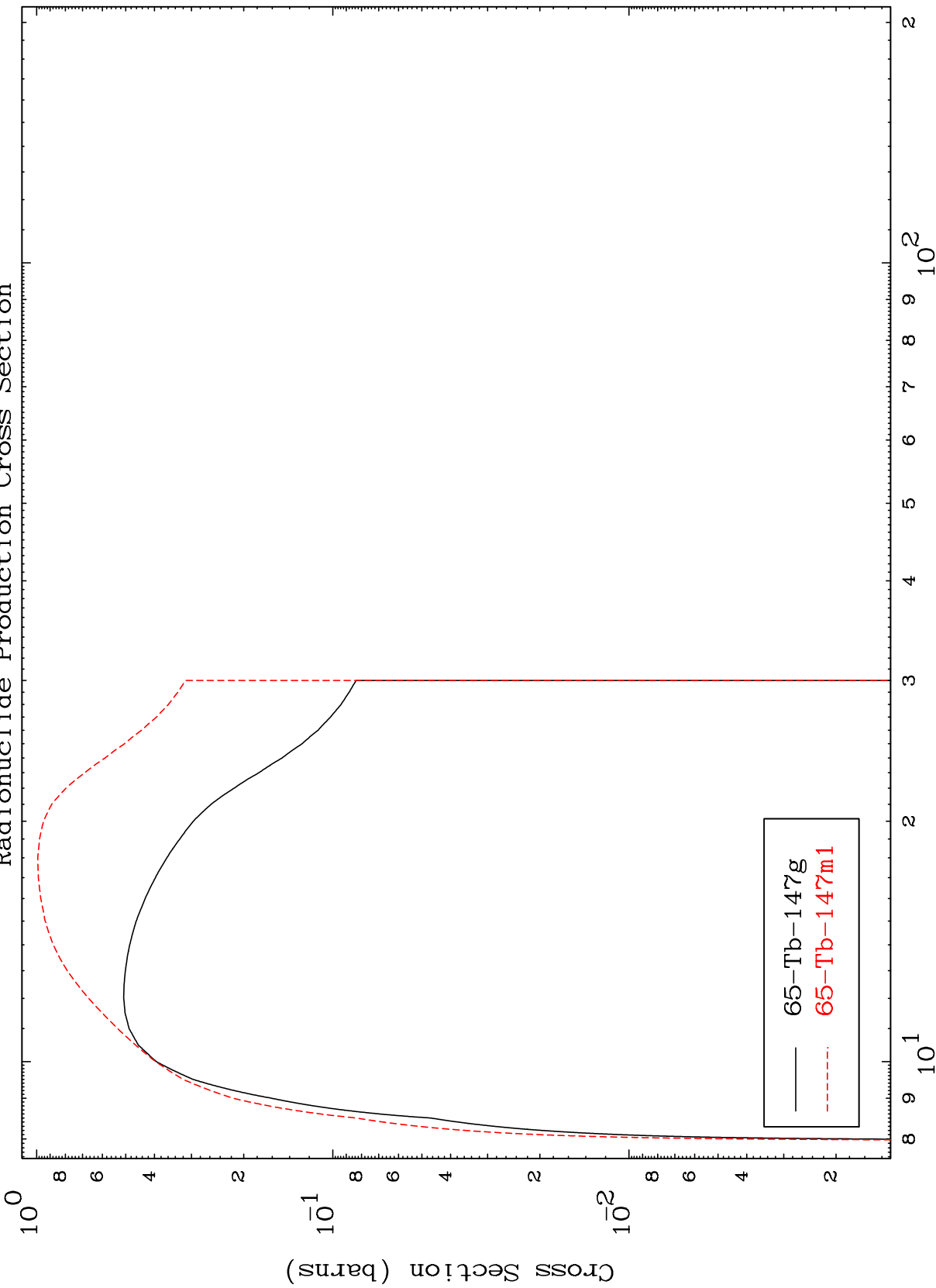
Incident Energy (MeV)

65-Tb-148

MAT 6492

65-Tb-148

(n,2n)
Radionuclide Production Cross Section



65-Tb-148

Incident Energy (MeV)

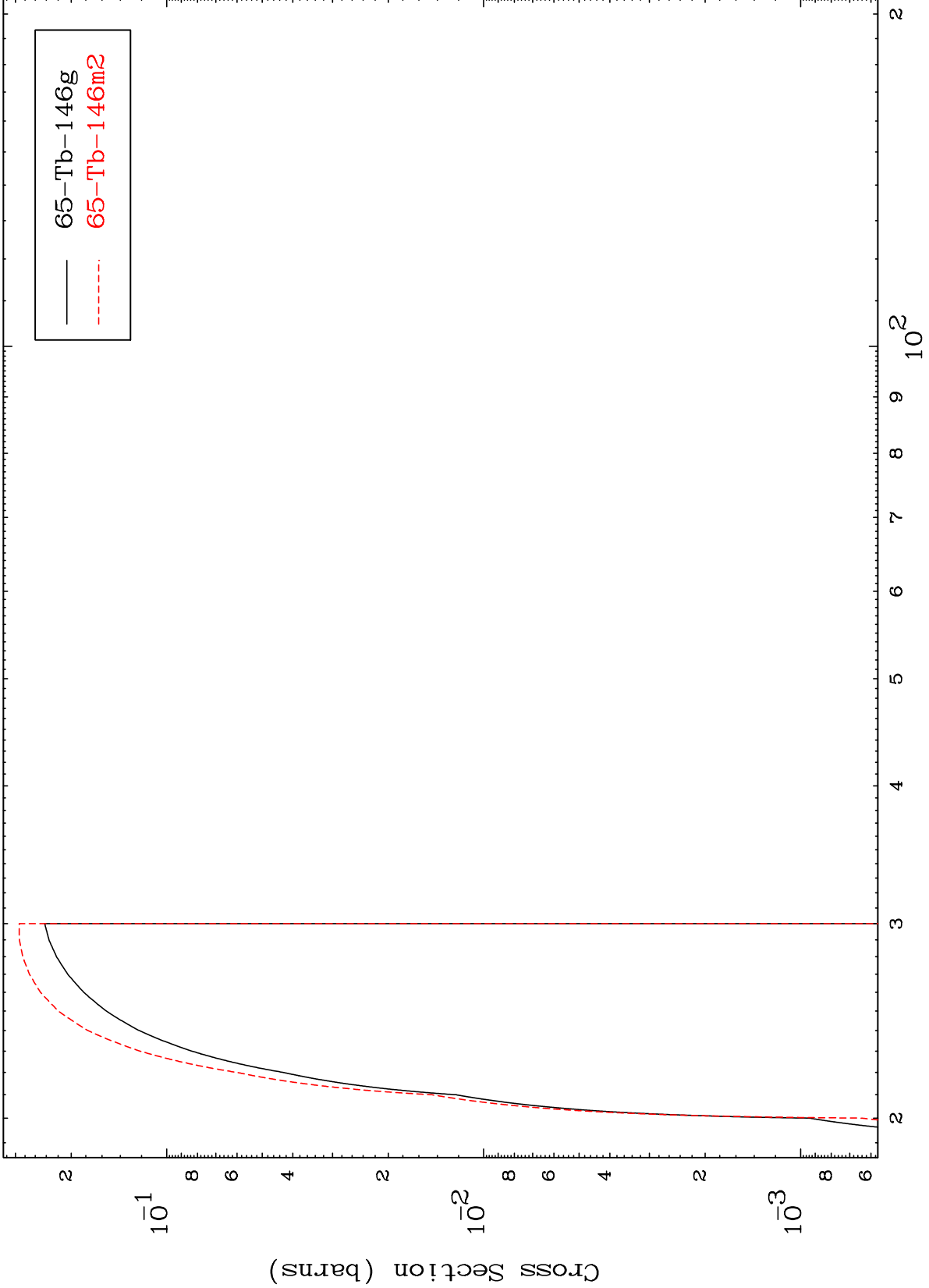
110

MAT 6492

(n,3n)

65-Tb-148

Radionuclide Production Cross Section



111

Incident Energy (MeV)

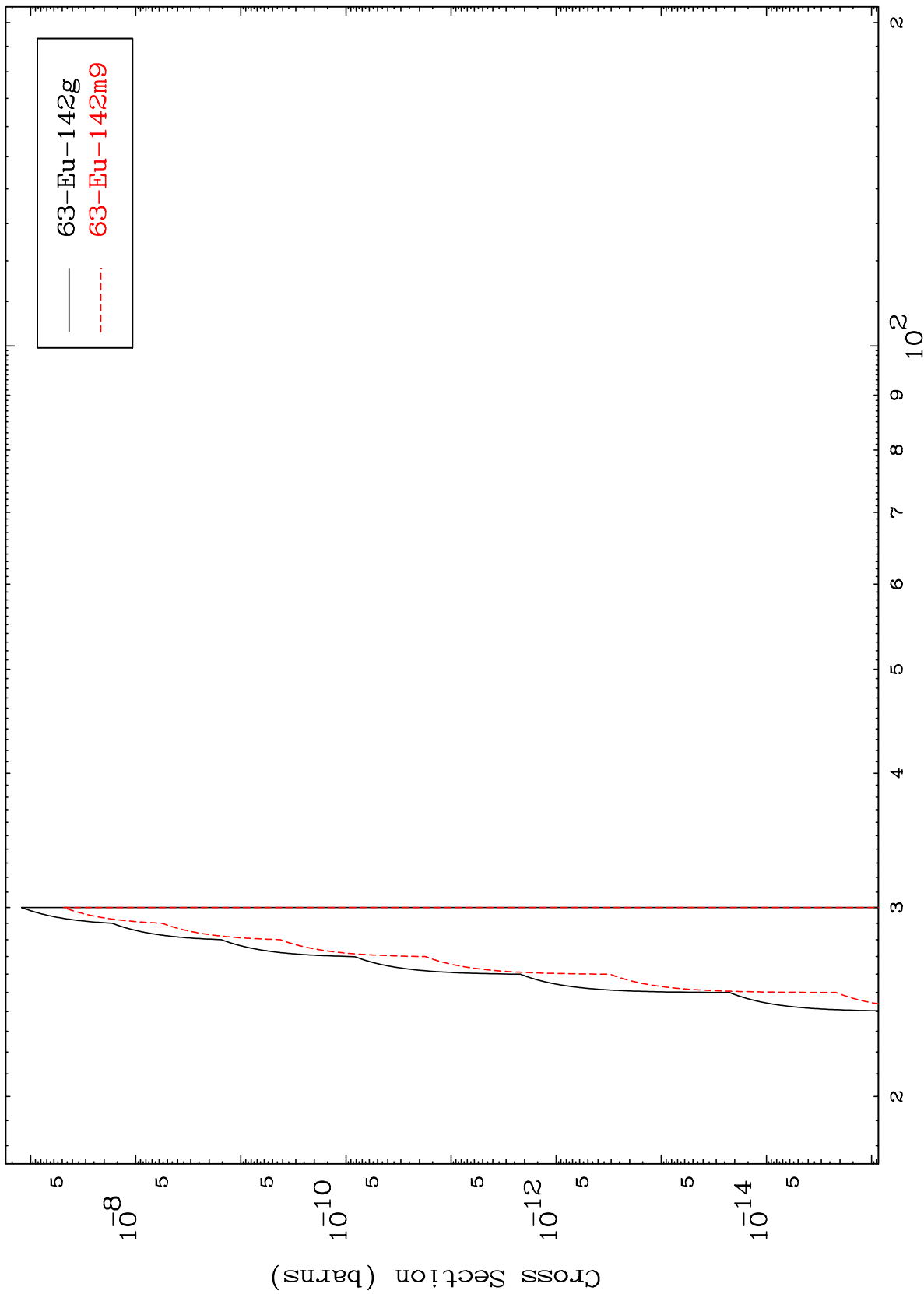
65-Tb-148

MAT 6492

(n,3n) α

65-Tb-148

Radionuclide Production Cross Section



112

Incident Energy (MeV)

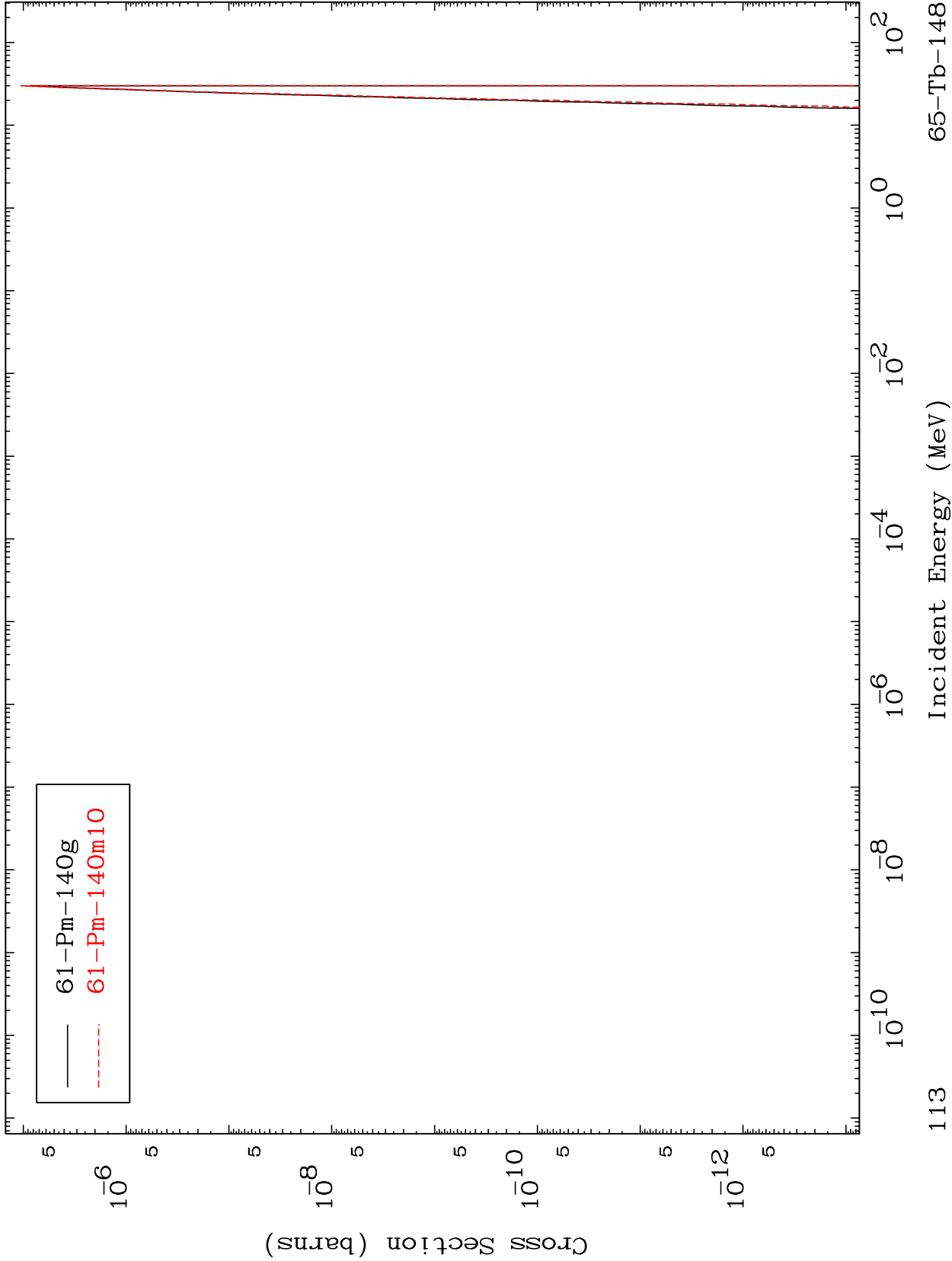
65-Tb-148

MAT 6492

(n,n') 2 α

65-Tb-148

Radionuclide Production Cross Section

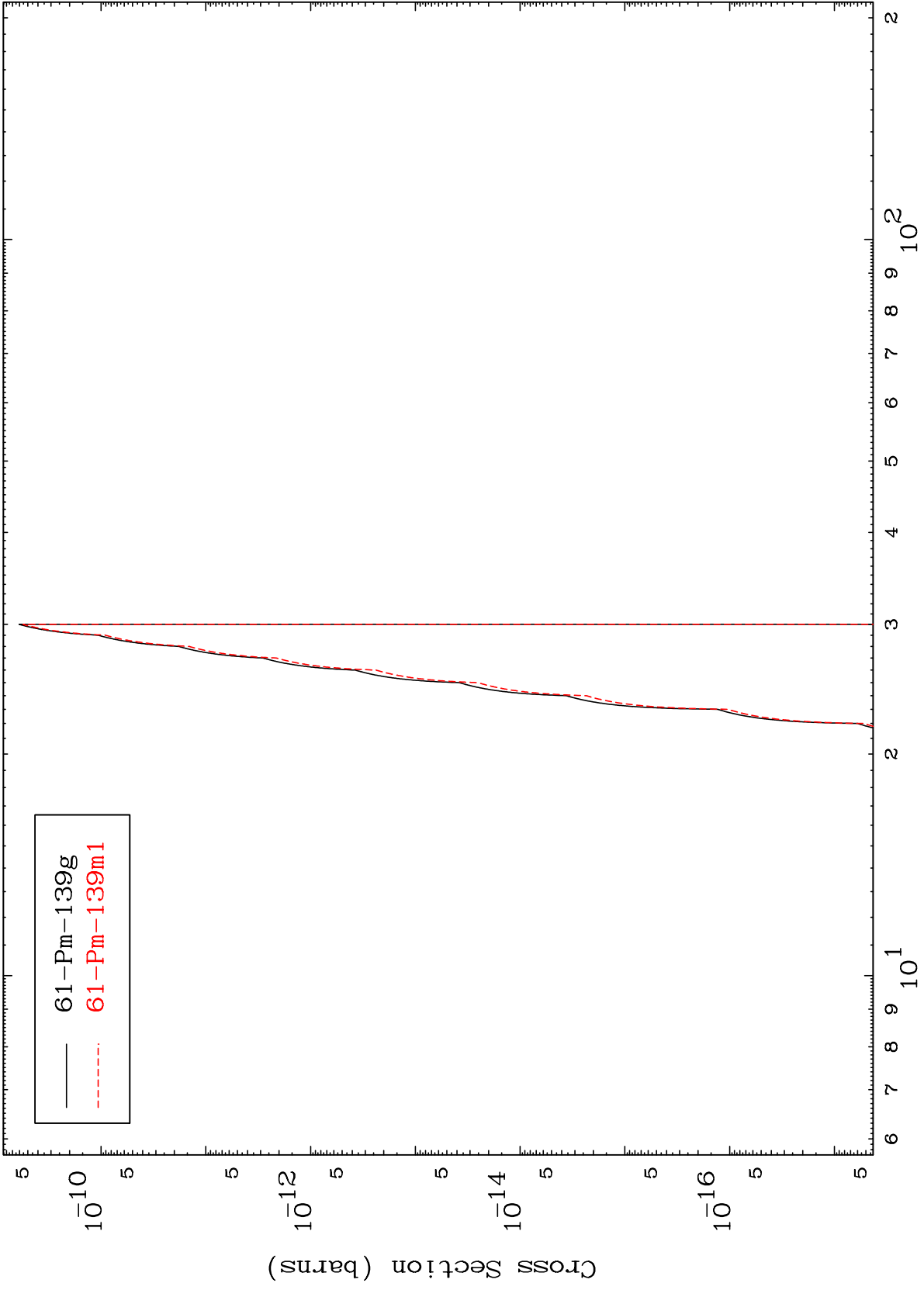


MAT 6492

$(n,2n) 2\alpha$

65-Tb-148

Radionuclide Production Cross Section



61-Pm-139g
61-Pm-139m1

114

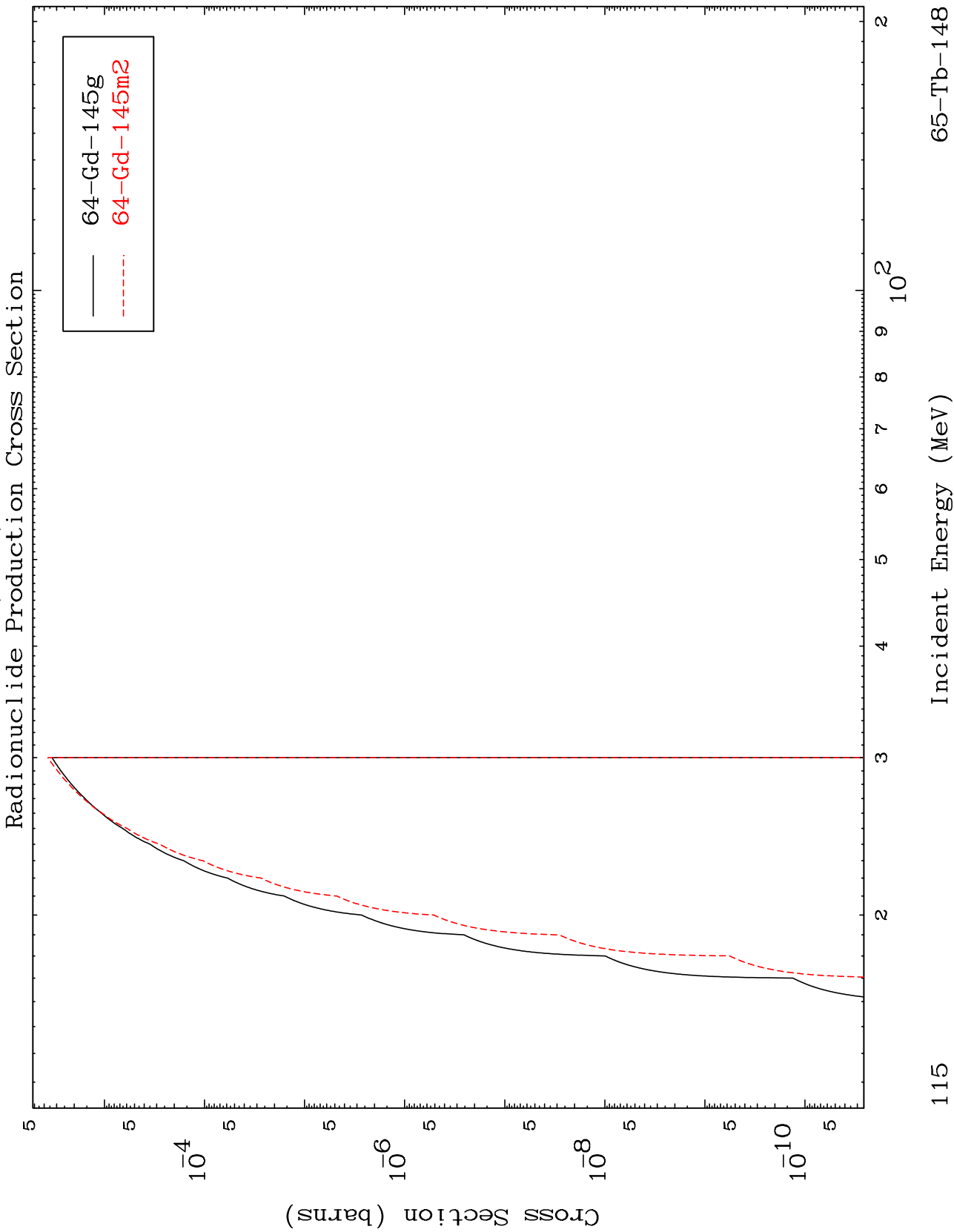
Incident Energy (MeV)

65-Tb-148

MAT 6492

(n,n') t

65-Tb-148



115

Incident Energy (MeV)

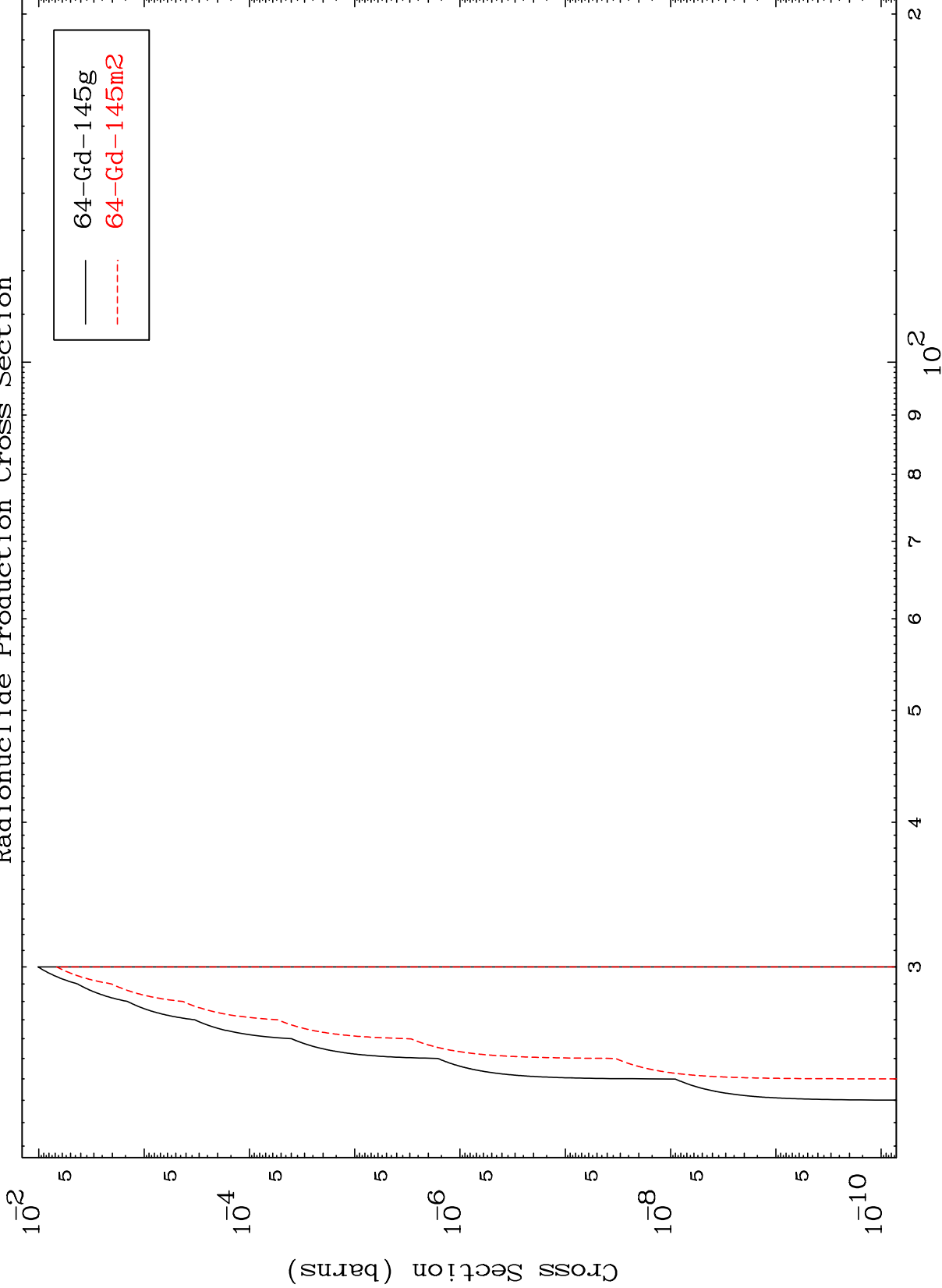
65-Tb-148

MAT 6492

(n,3n) p

65-Tb-148

Radionuclide Production Cross Section



64-Gd-145g
64-Gd-145m2

116

Incident Energy (MeV)

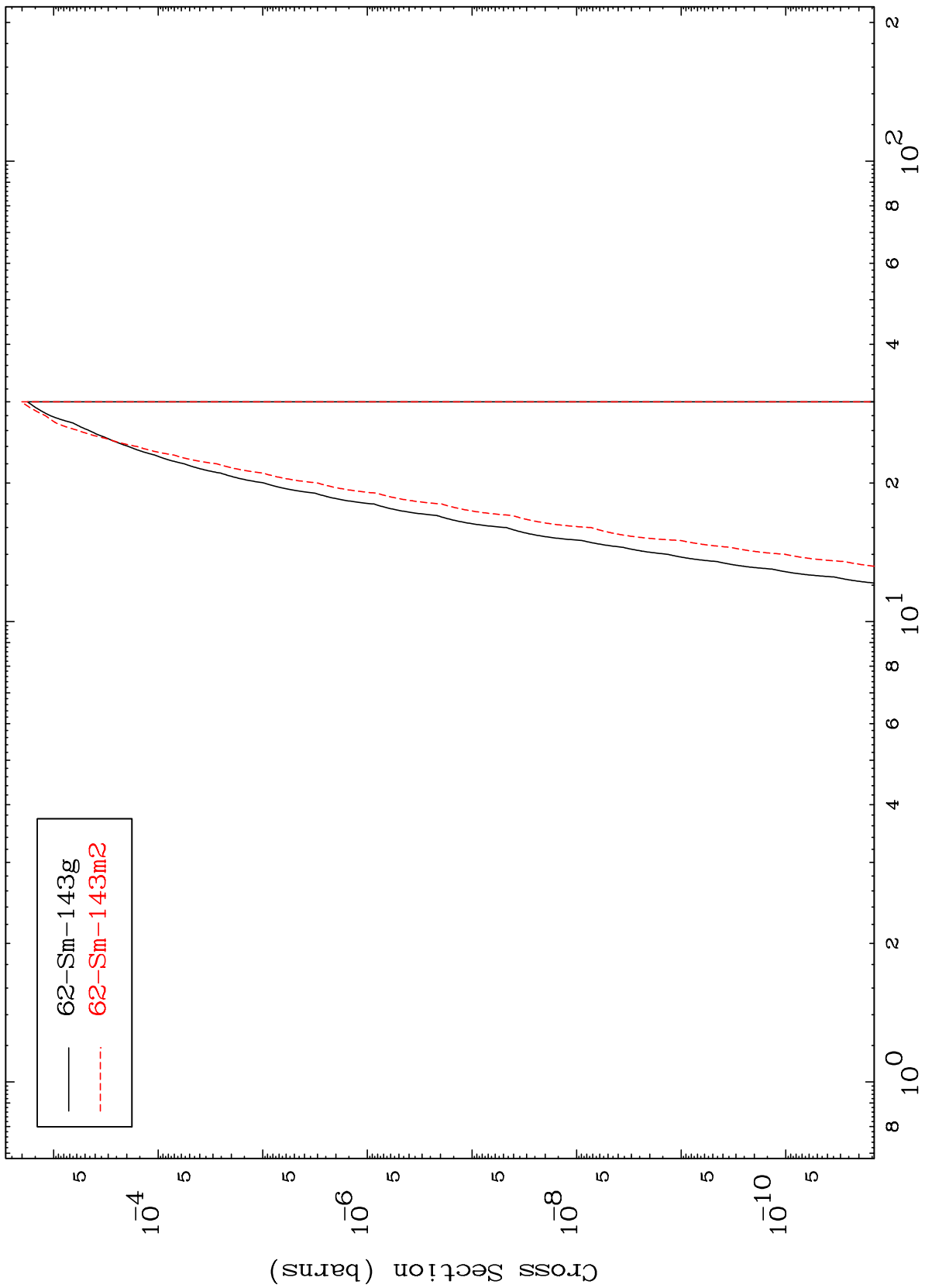
65-Tb-148

MAT 6492

(n,n') p α

65-Tb-148

Radionuclide Production Cross Section



62-Sm-143g
62-Sm-143m2

117

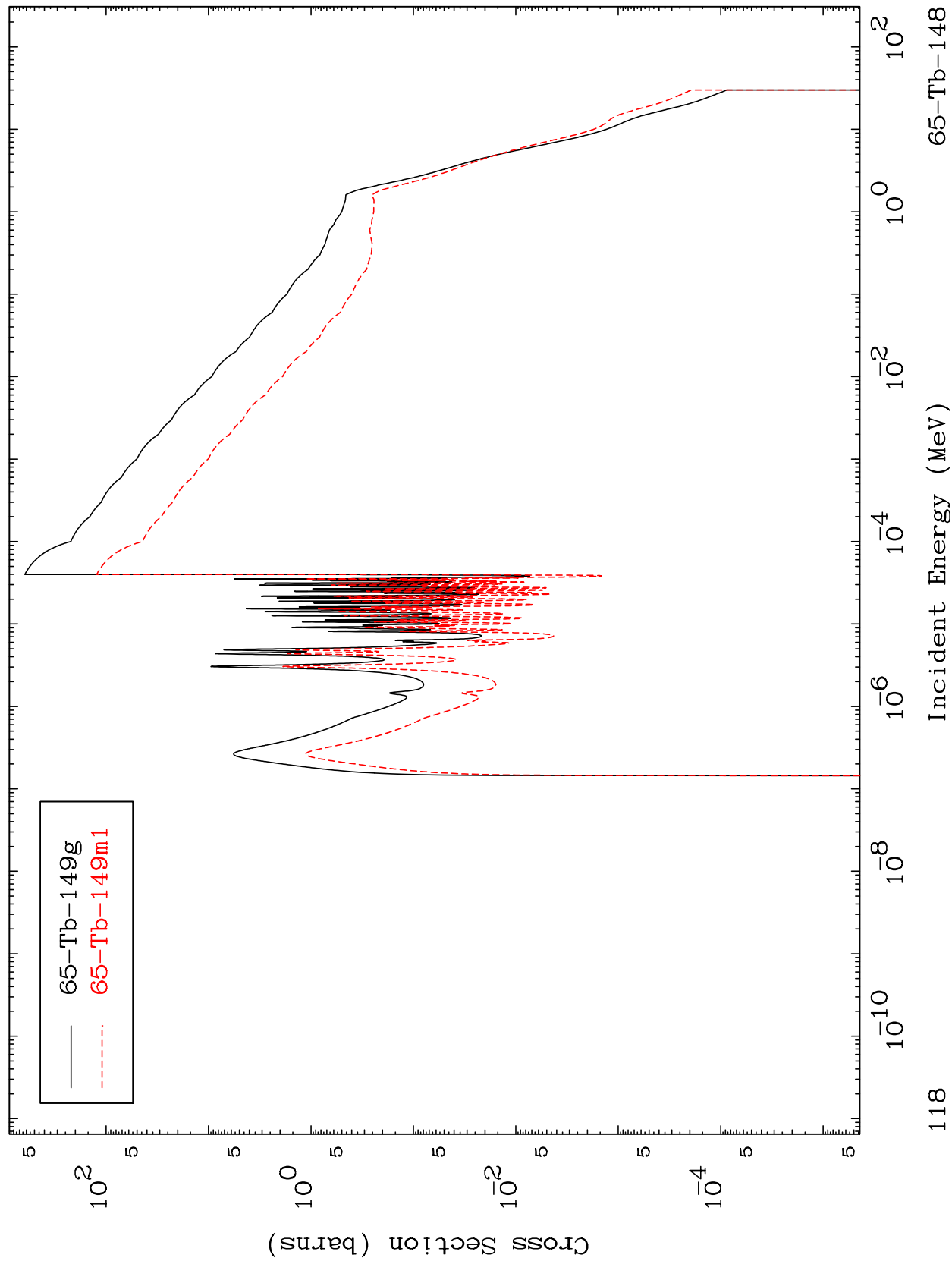
Incident Energy (MeV)

65-Tb-148

MAT 6492

65-Tb-148

(n,γ)
Radionuclide Production Cross Section



118

65-Tb-148

MAT 6492

(n,d) α

65-Tb-148

Radionuclide Production Cross Section

