

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

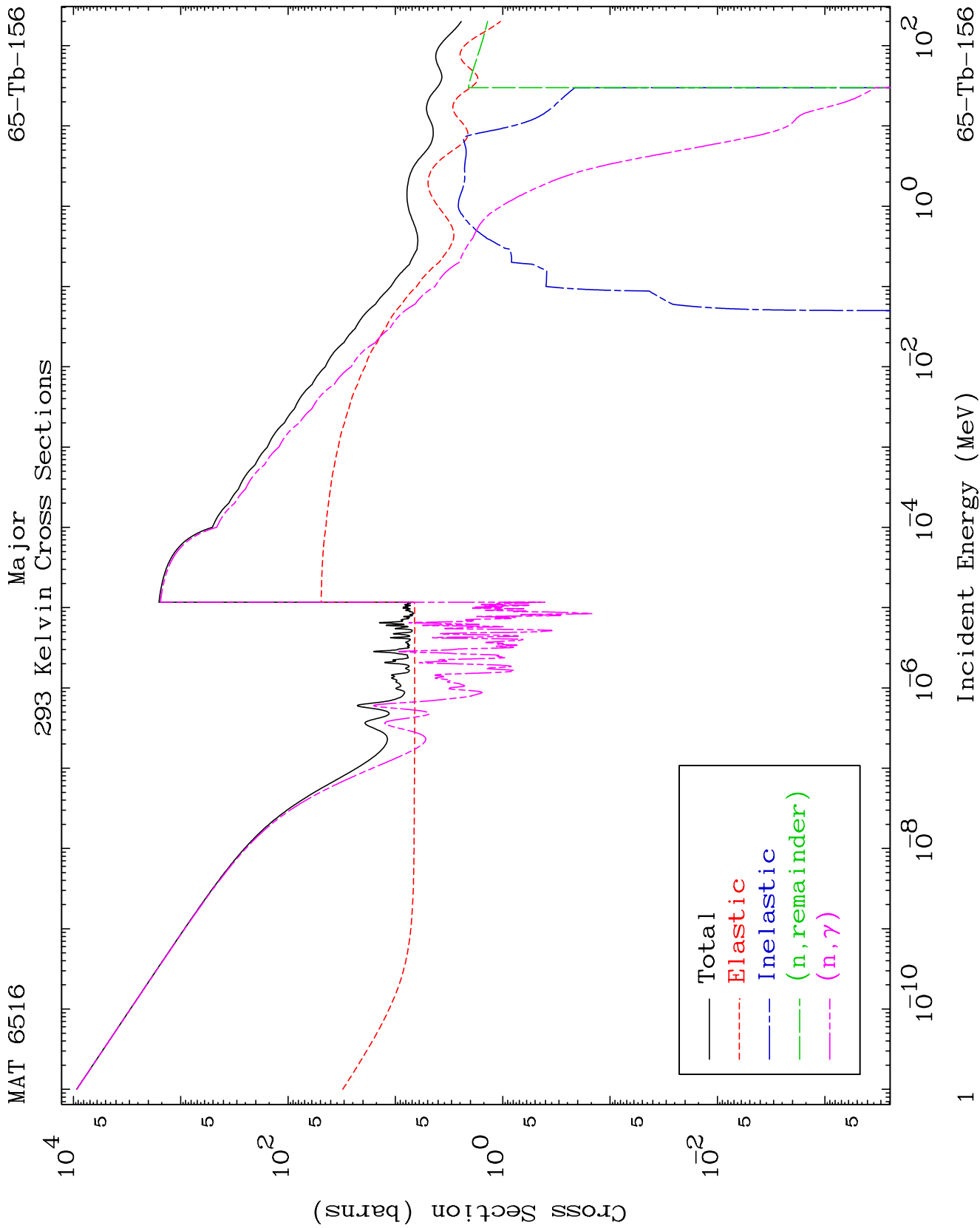
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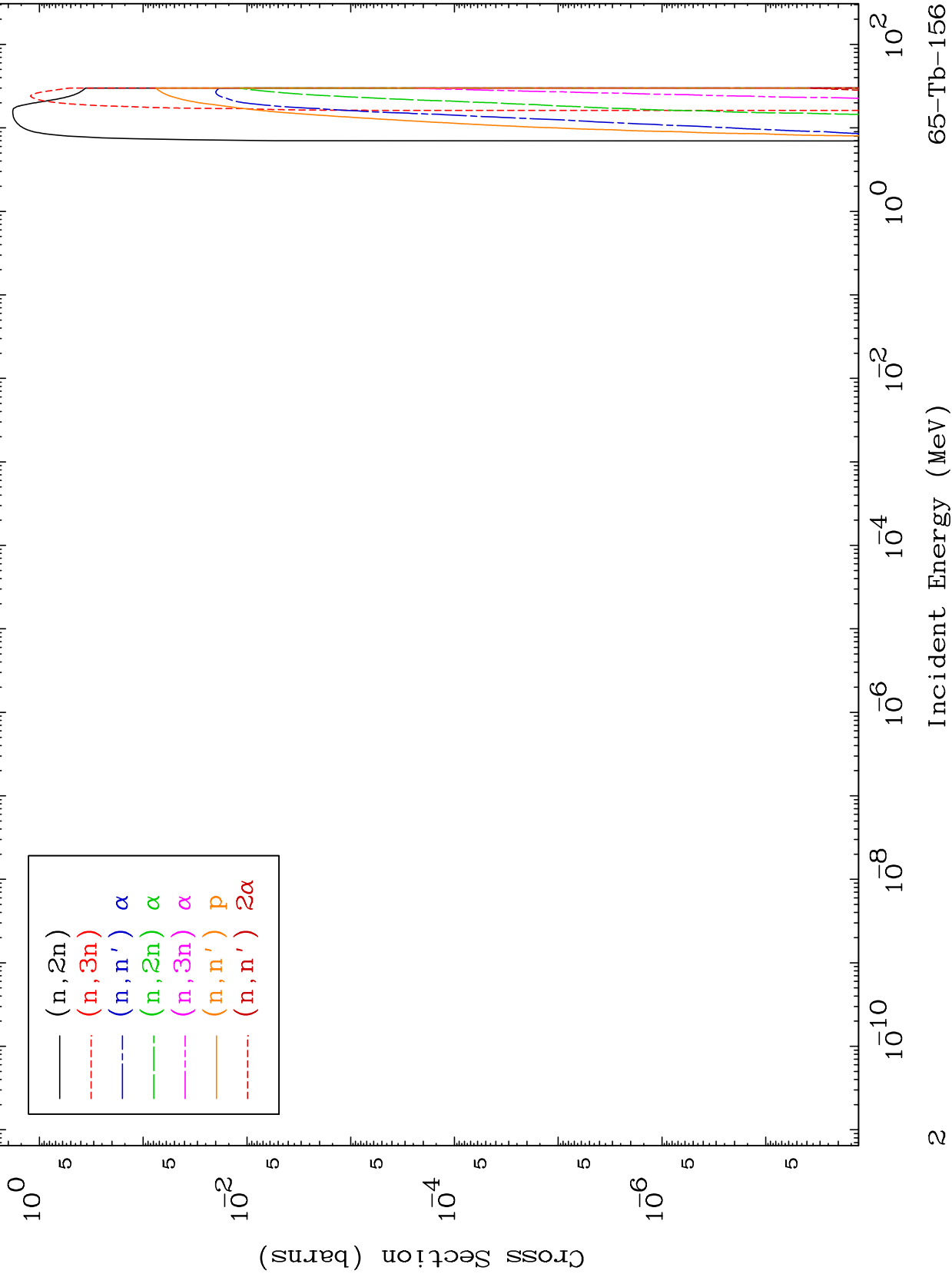
Press Mouse Button to Start

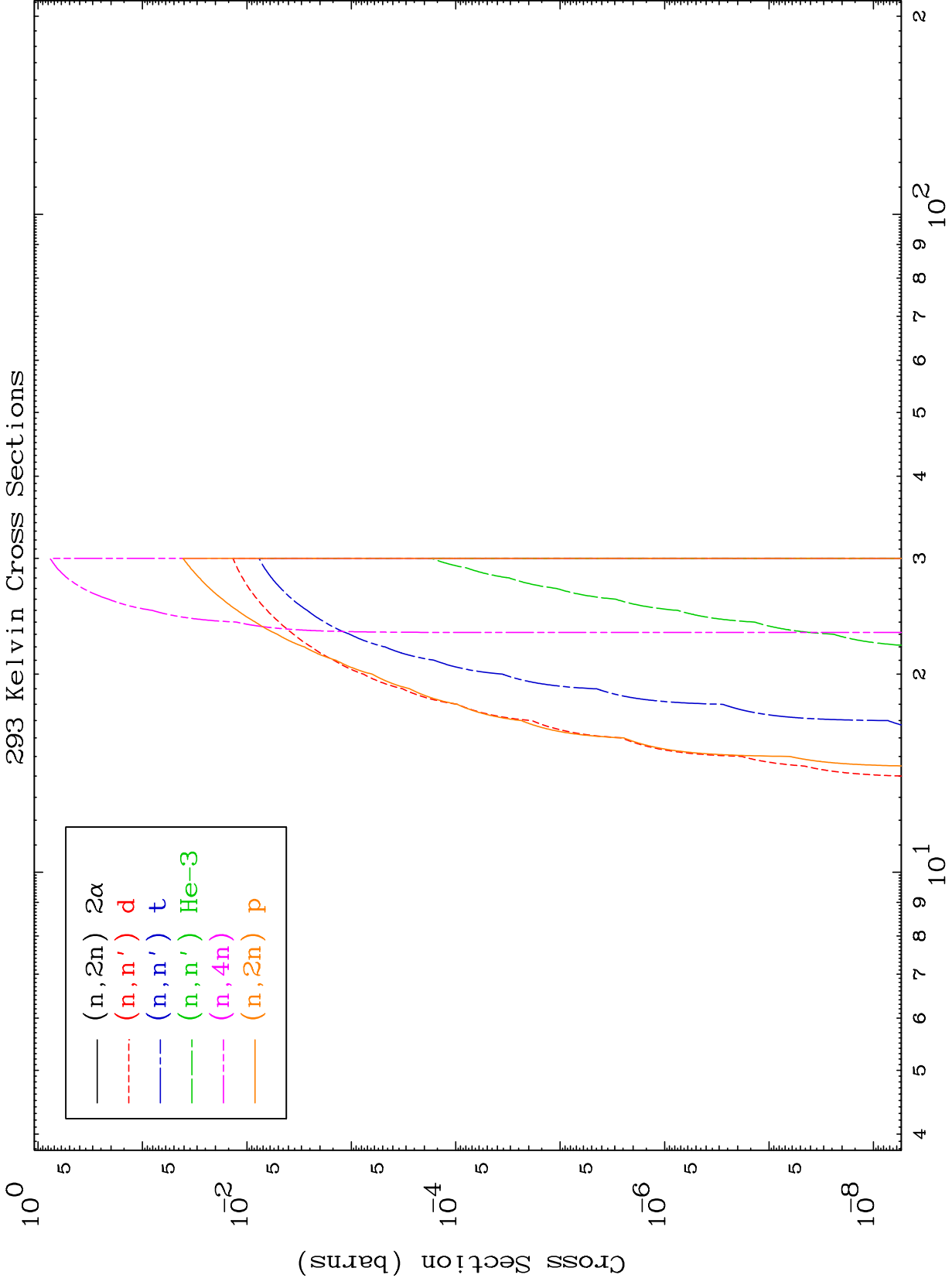


MAT 6516

Neutron Production  
293 Kelvin Cross Sections

65-Tb-156

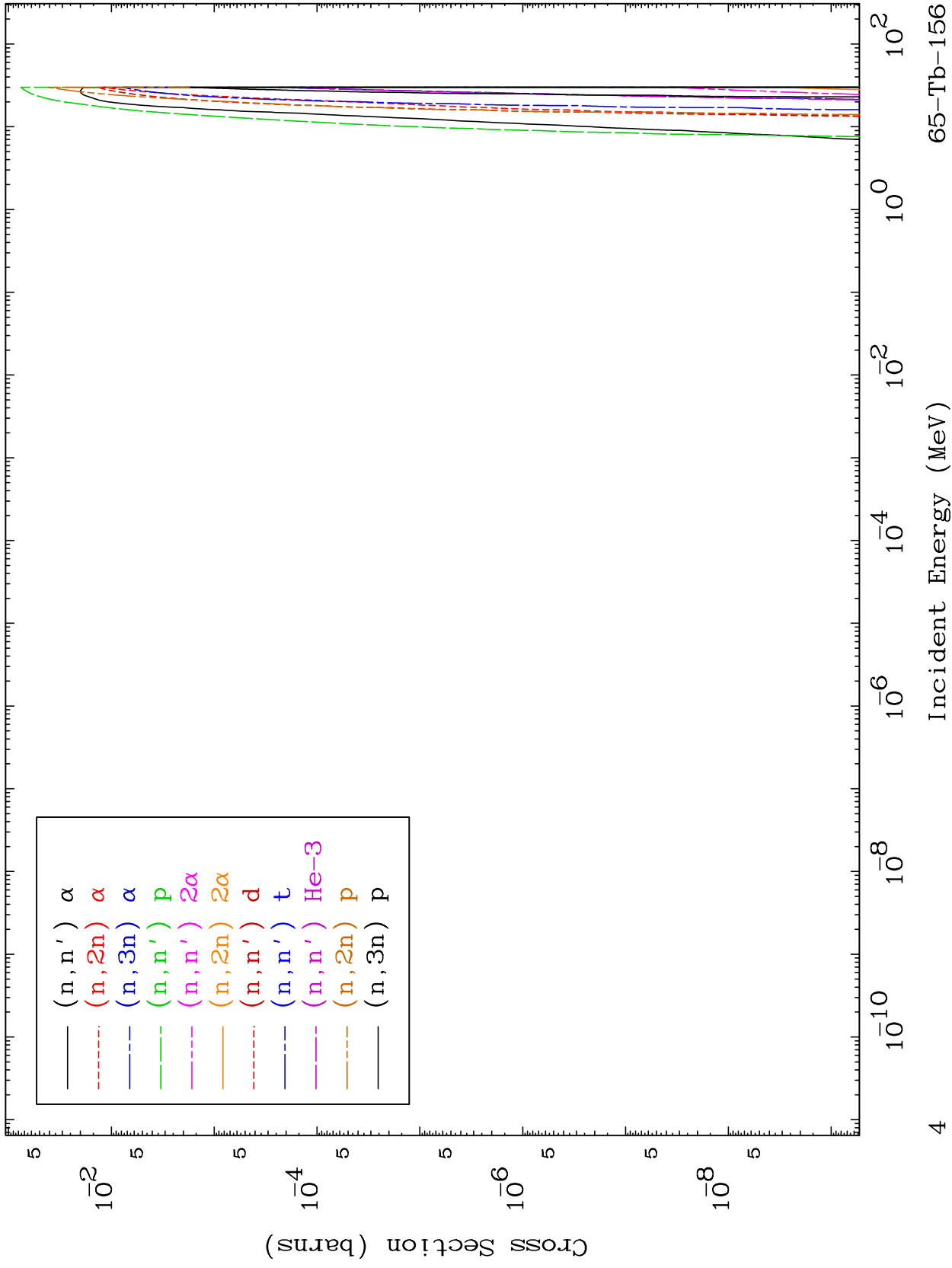




MAT 6516

Charged Particle  
293 Kelvin Cross Sections

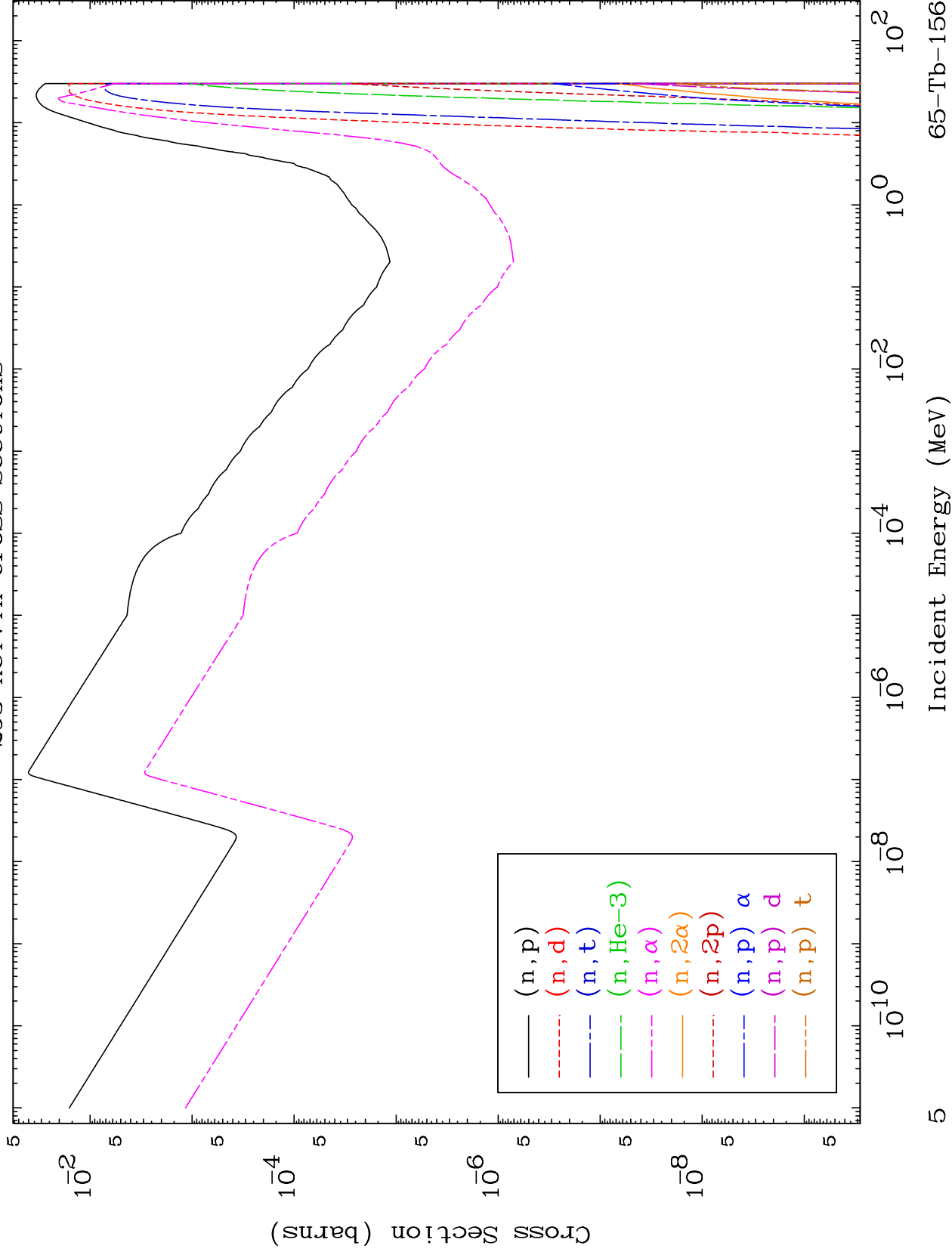
65-Tb-156



MAT 6516

Charged Particle  
293 Kelvin Cross Sections

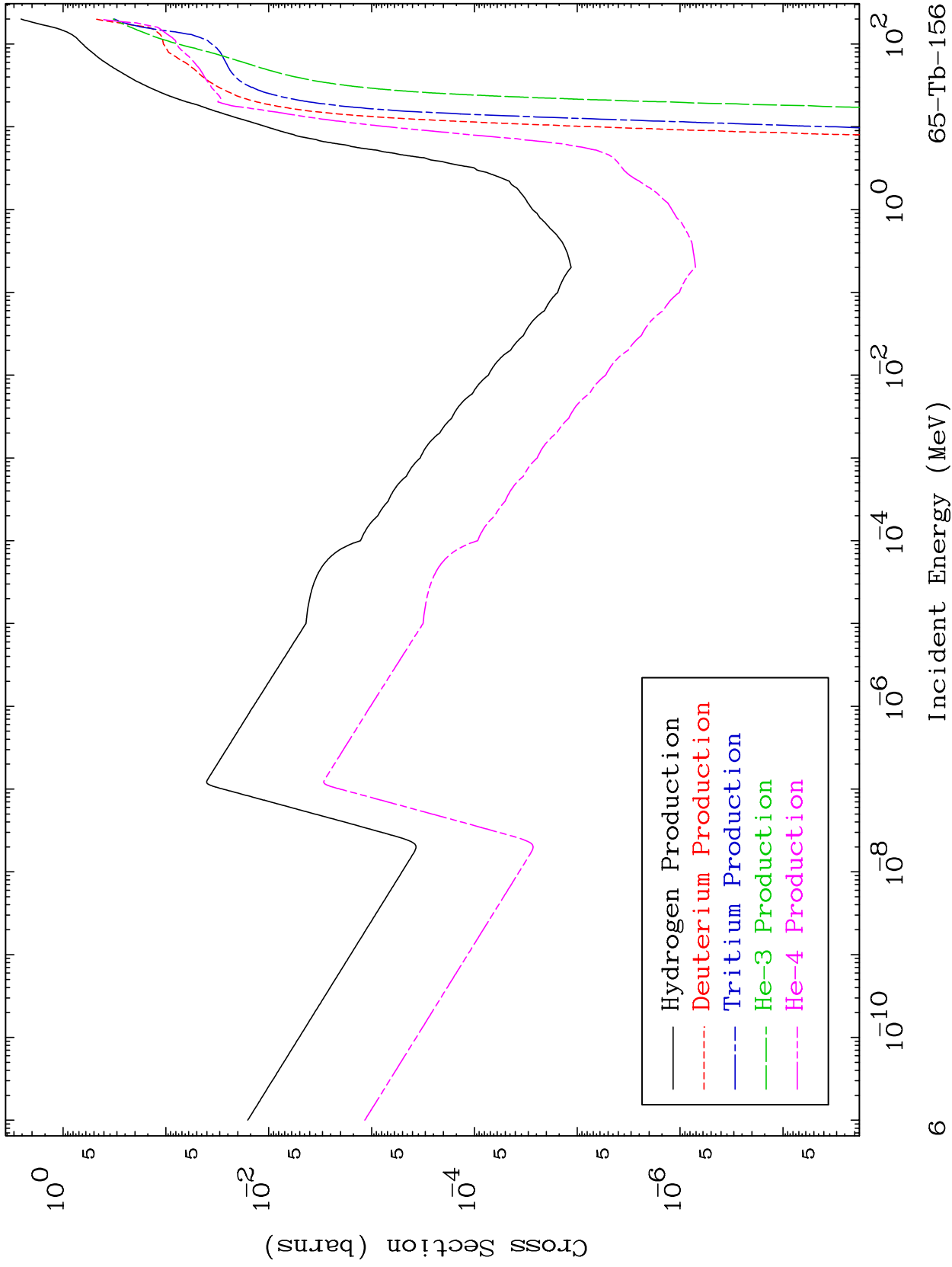
65-Tb-156



MAT 6516

Particle Production  
293 Kelvin Cross Sections

65-Tb-156

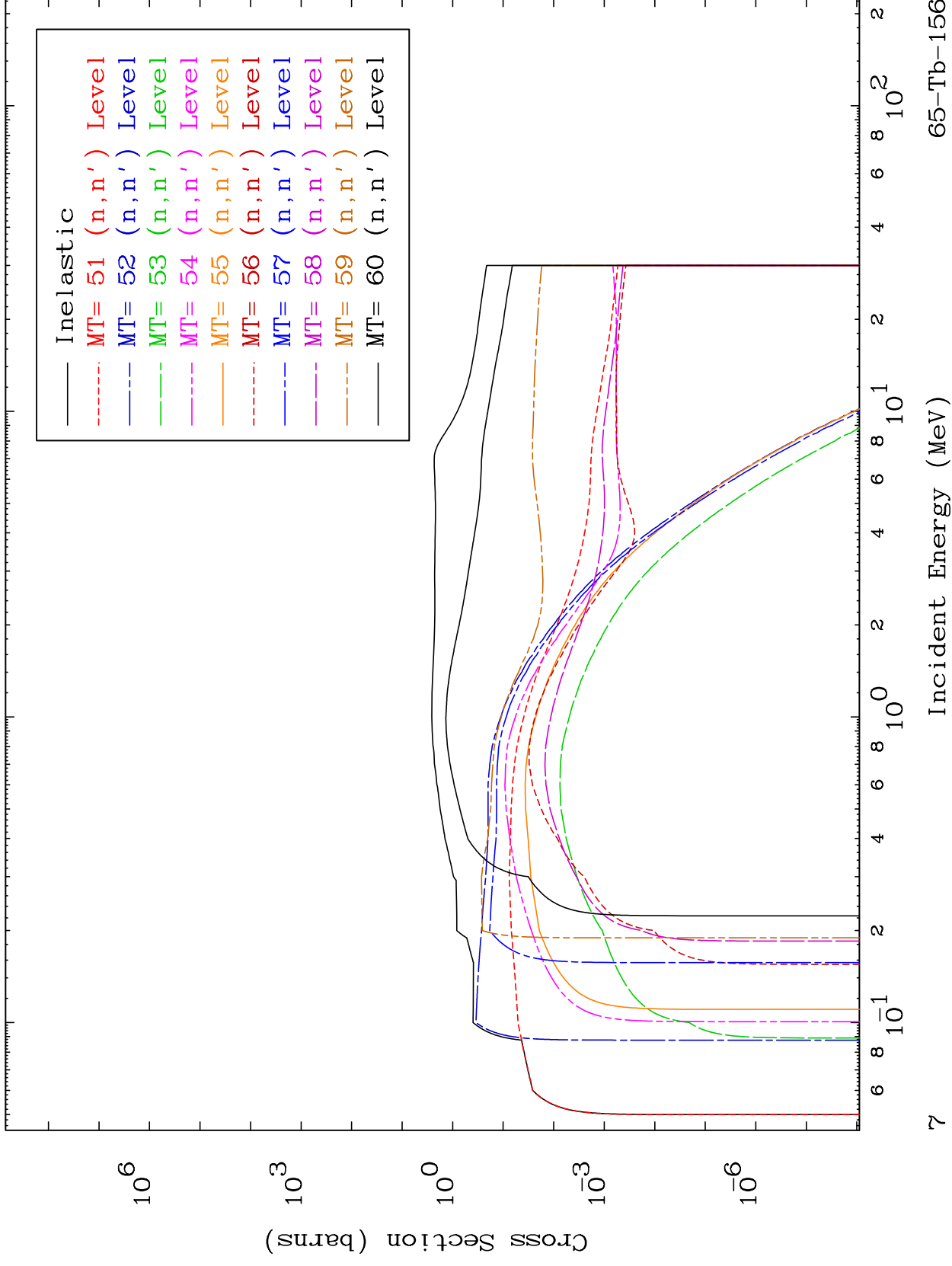


MAT 6516

(n,n') Level

65-Tb-156

293 Kelvin Cross Sections

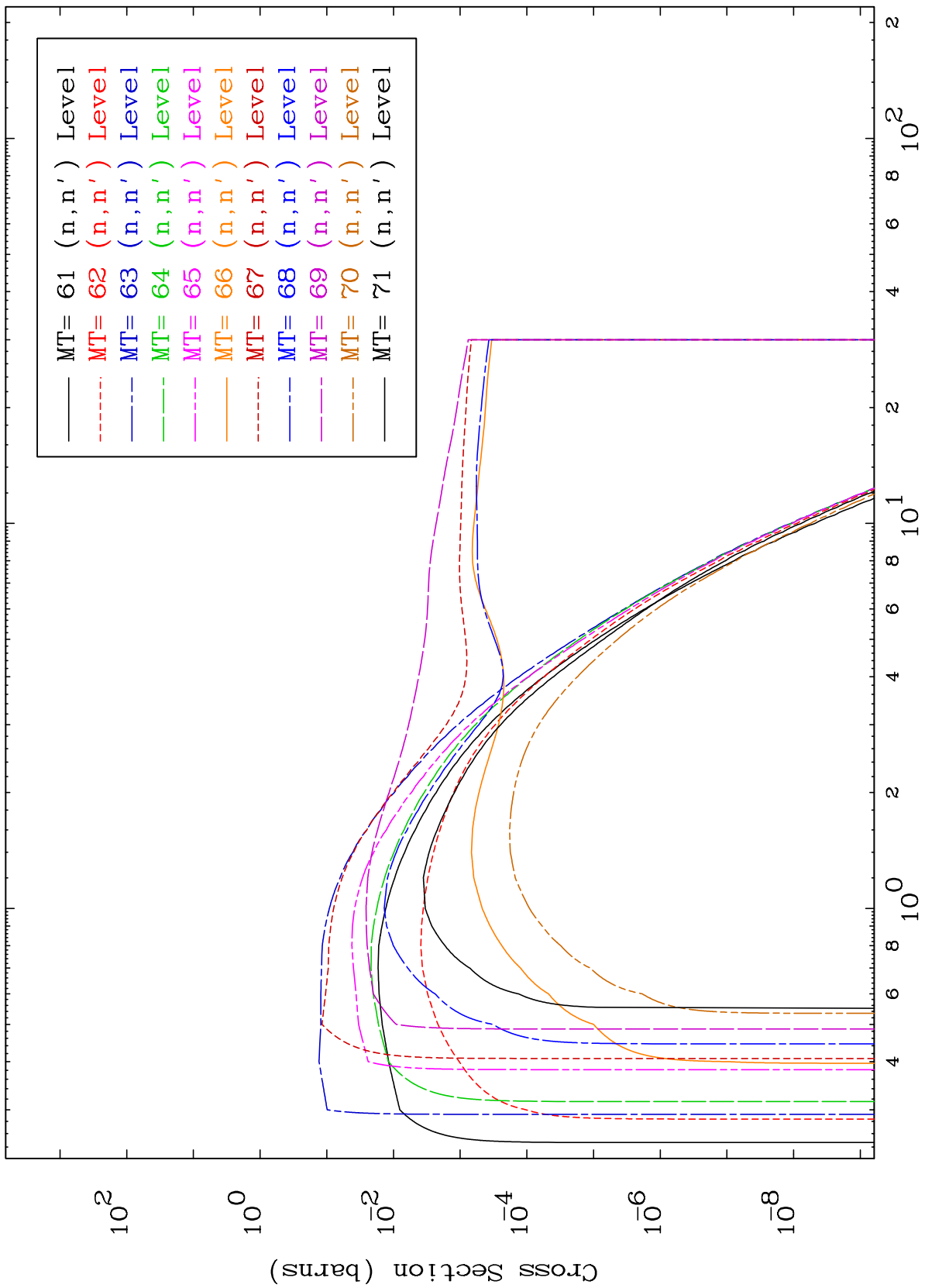




MAT 6516

(n,n') Level  
293 Kelvin Cross Sections

65-Tb-156



8

Incident Energy (MeV)

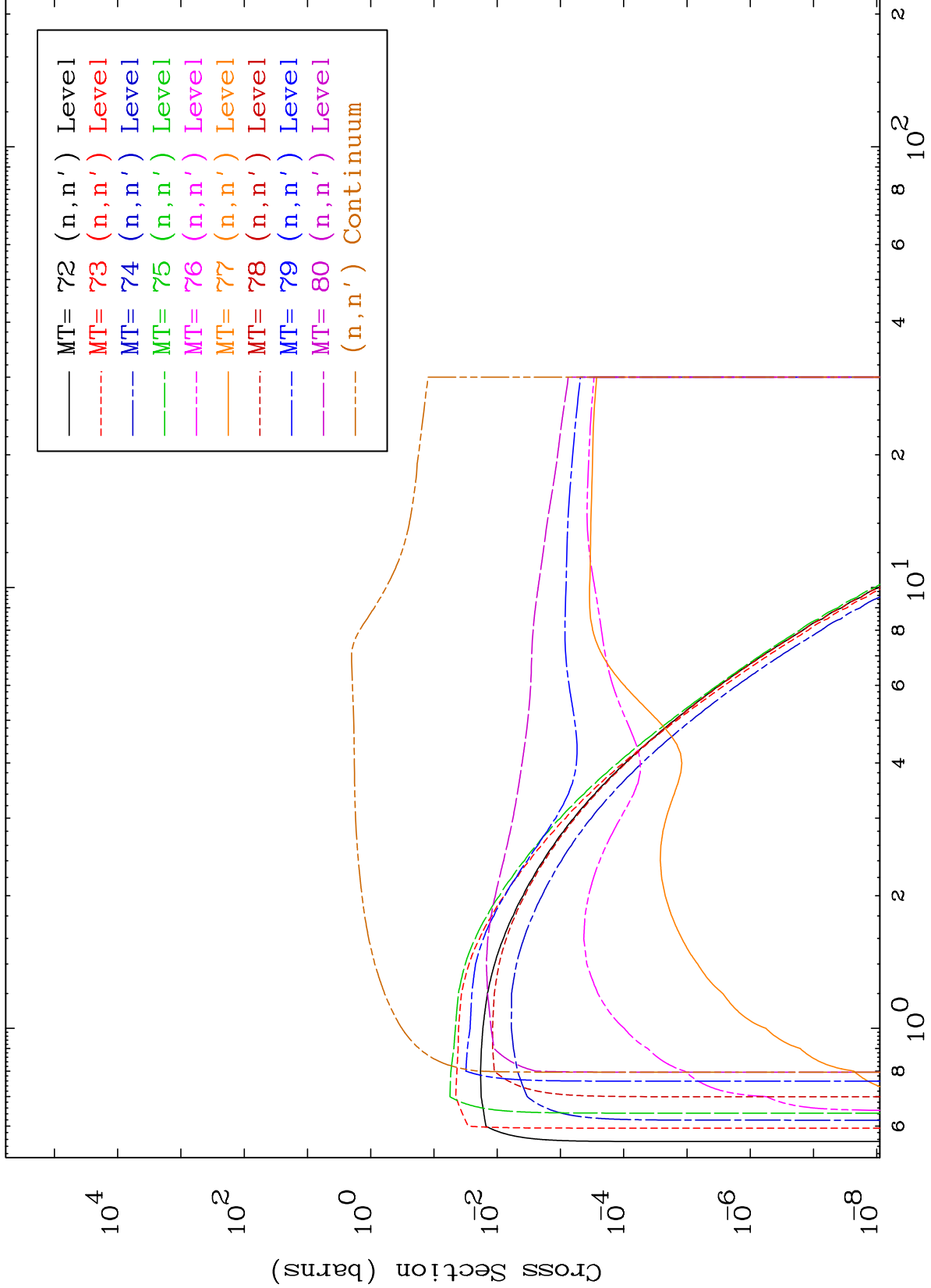
65-Tb-156

MAT 6516

(n,n') Level

65-Tb-156

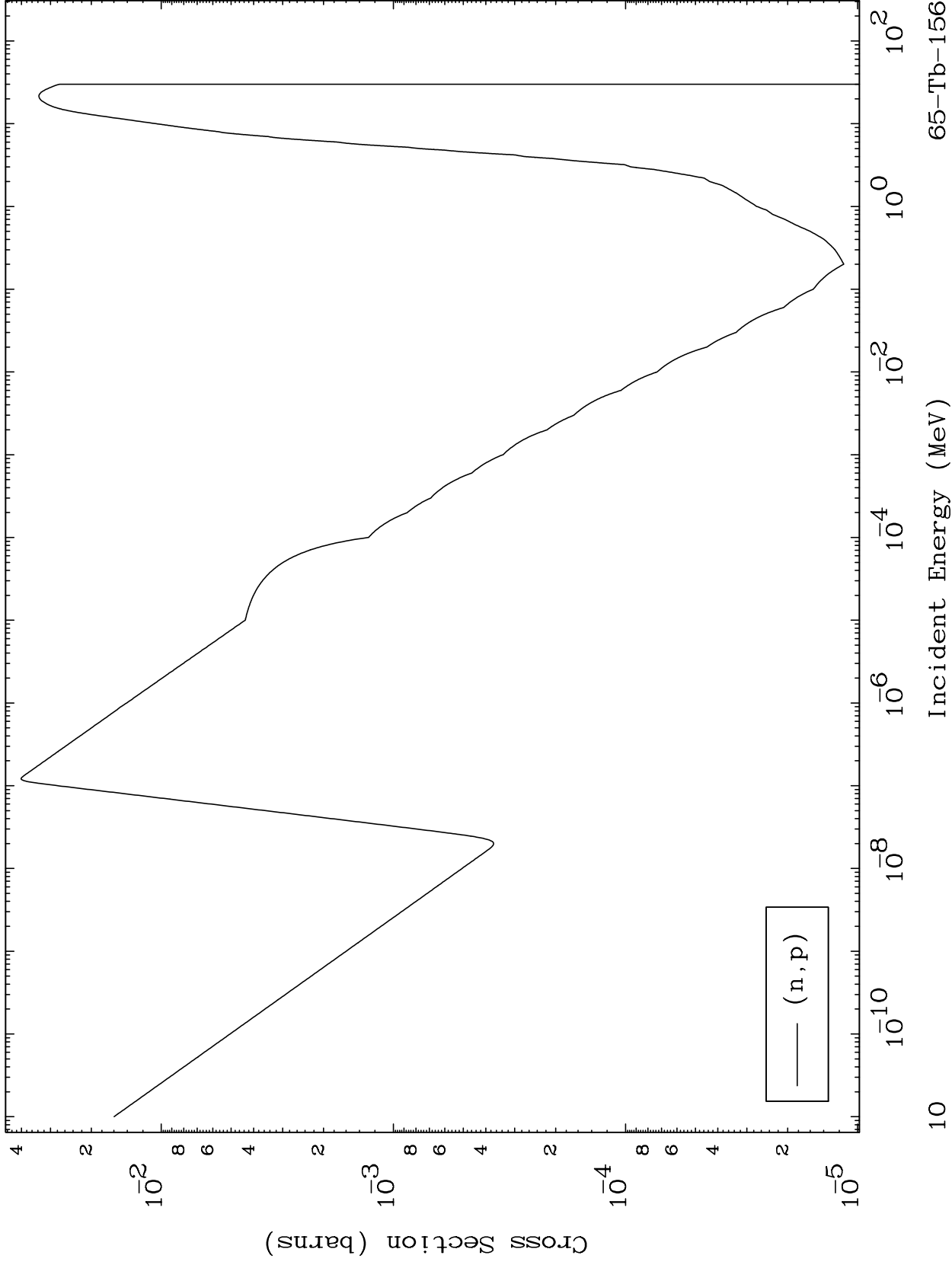
293 Kelvin Cross Sections



MAT 65116

(n,p) Levels  
293 Kelvin Cross Sections

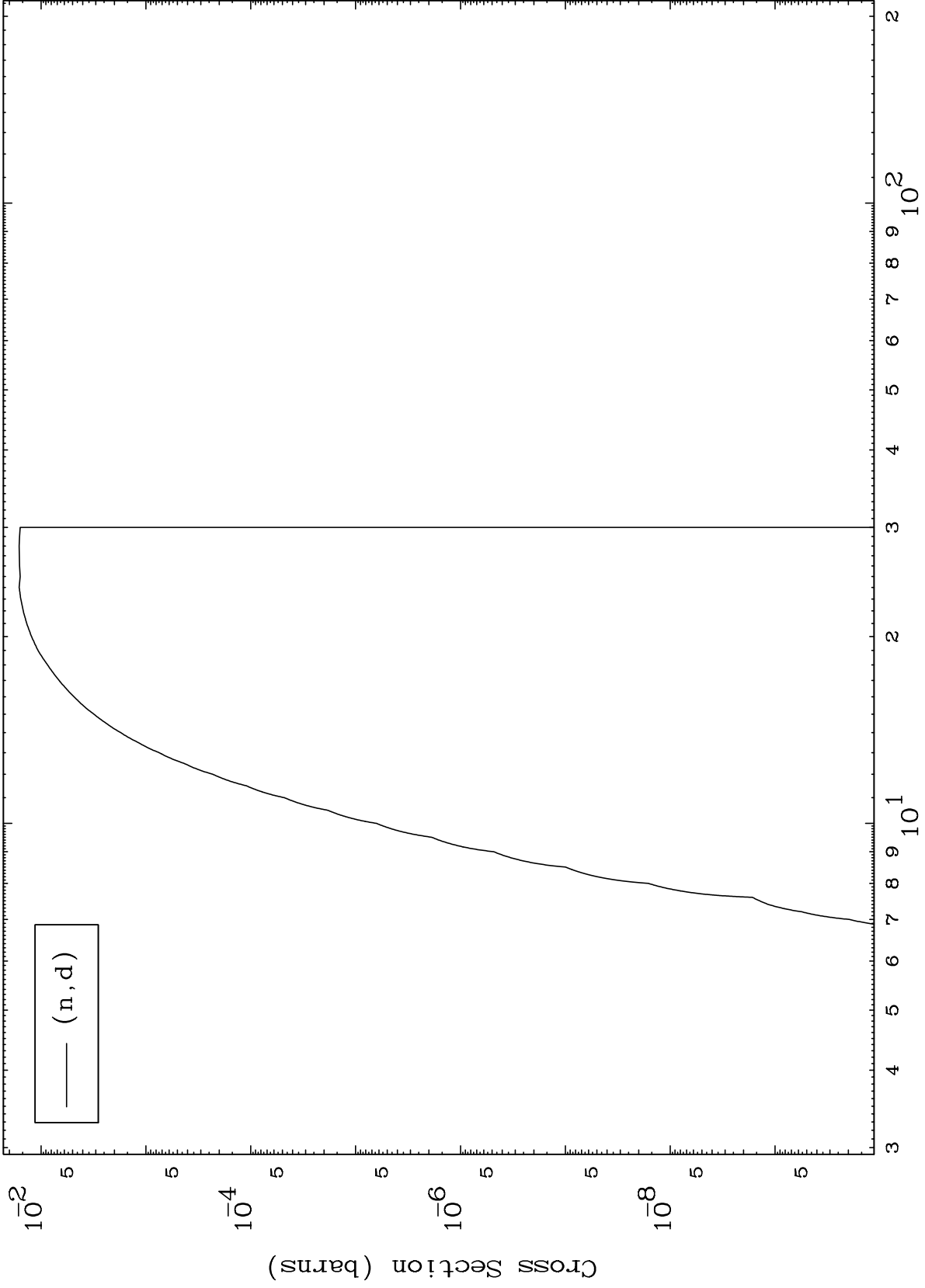
65-Tb-156



MAT 65116

(n,d) Levels  
293 Kelvin Cross Sections

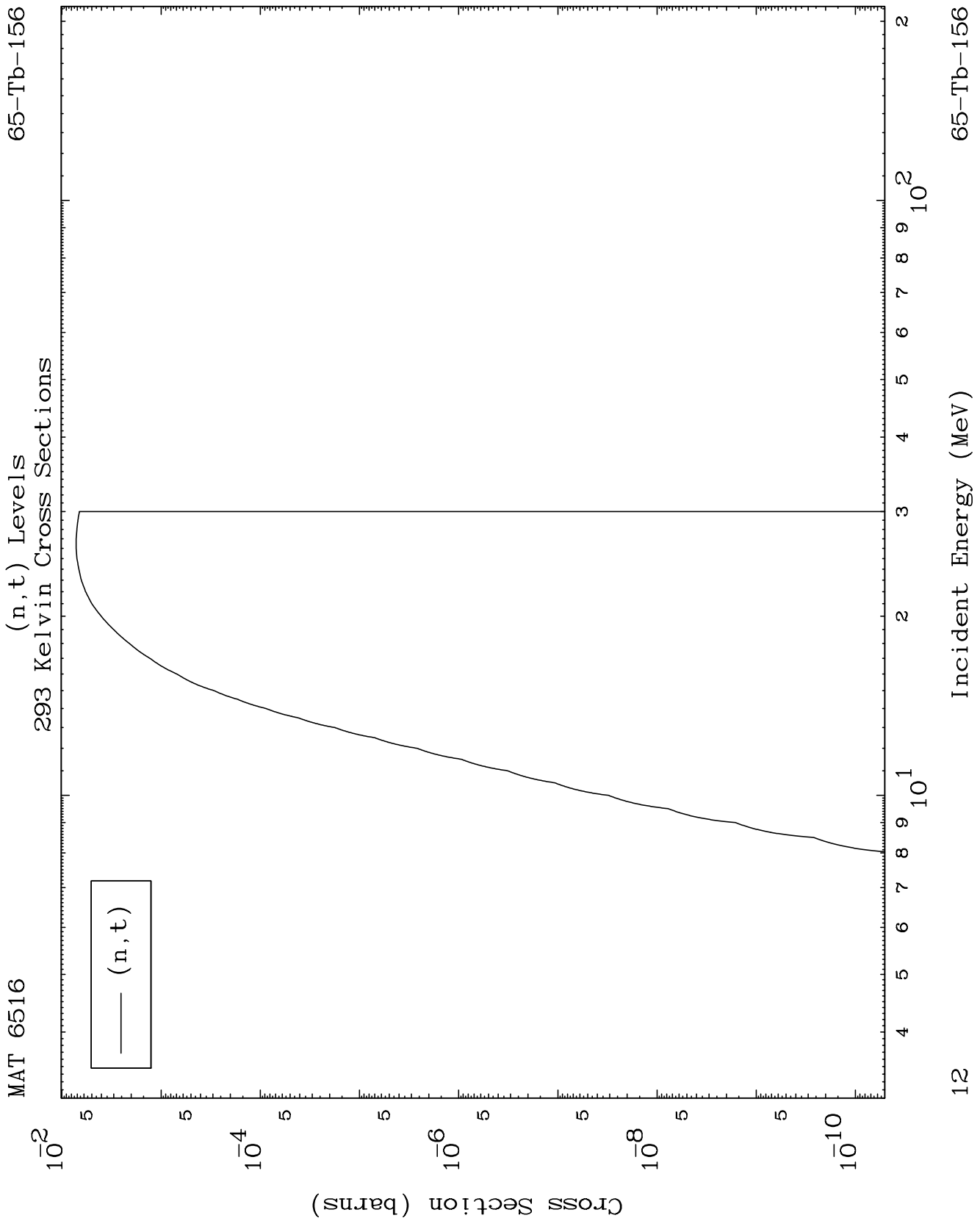
65-Tb-156



11

Incident Energy (MeV)

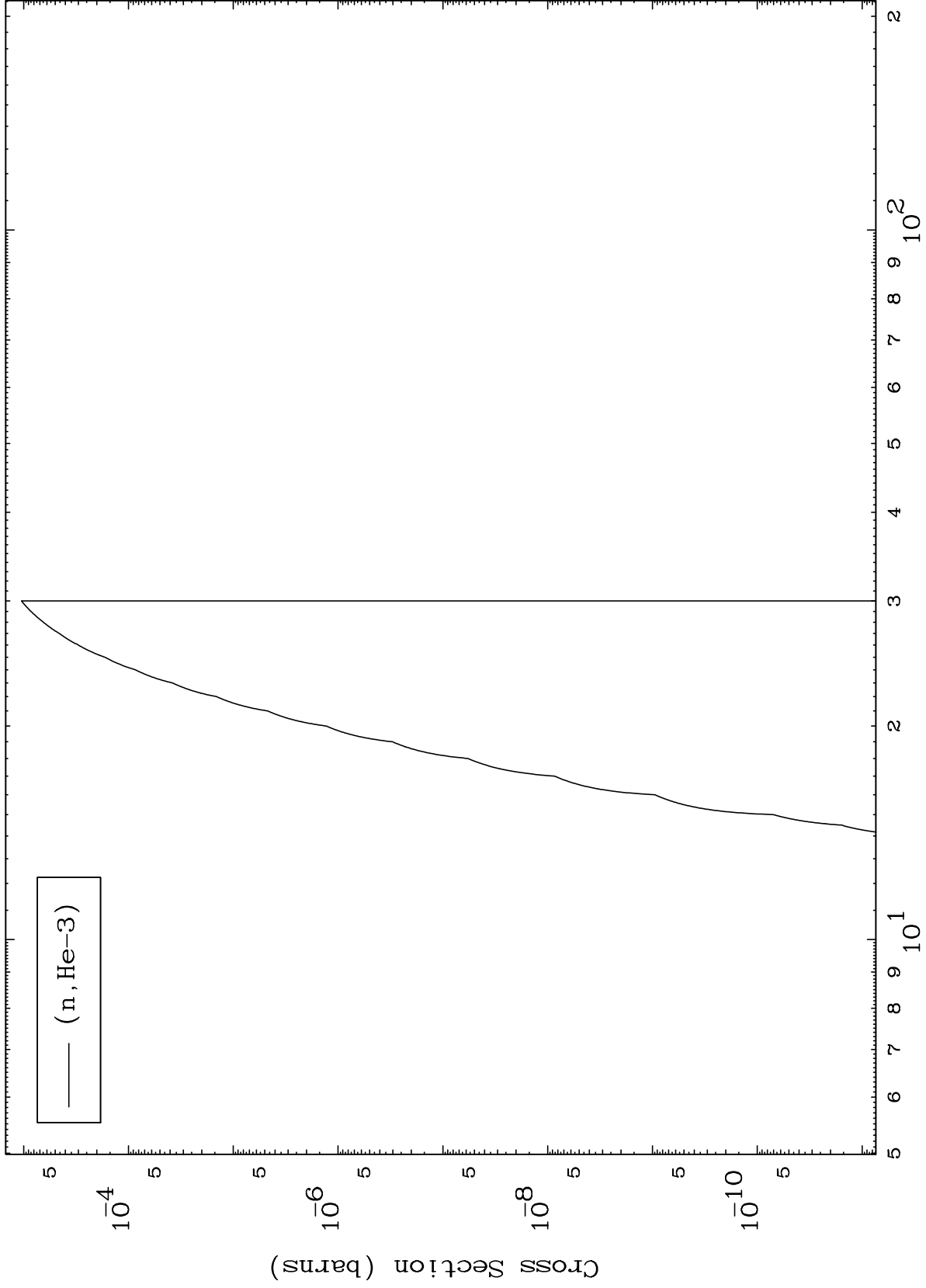
65-Tb-156



MAT 6516

(n,He3) Levels  
293 Kelvin Cross Sections

65-Tb-156



13

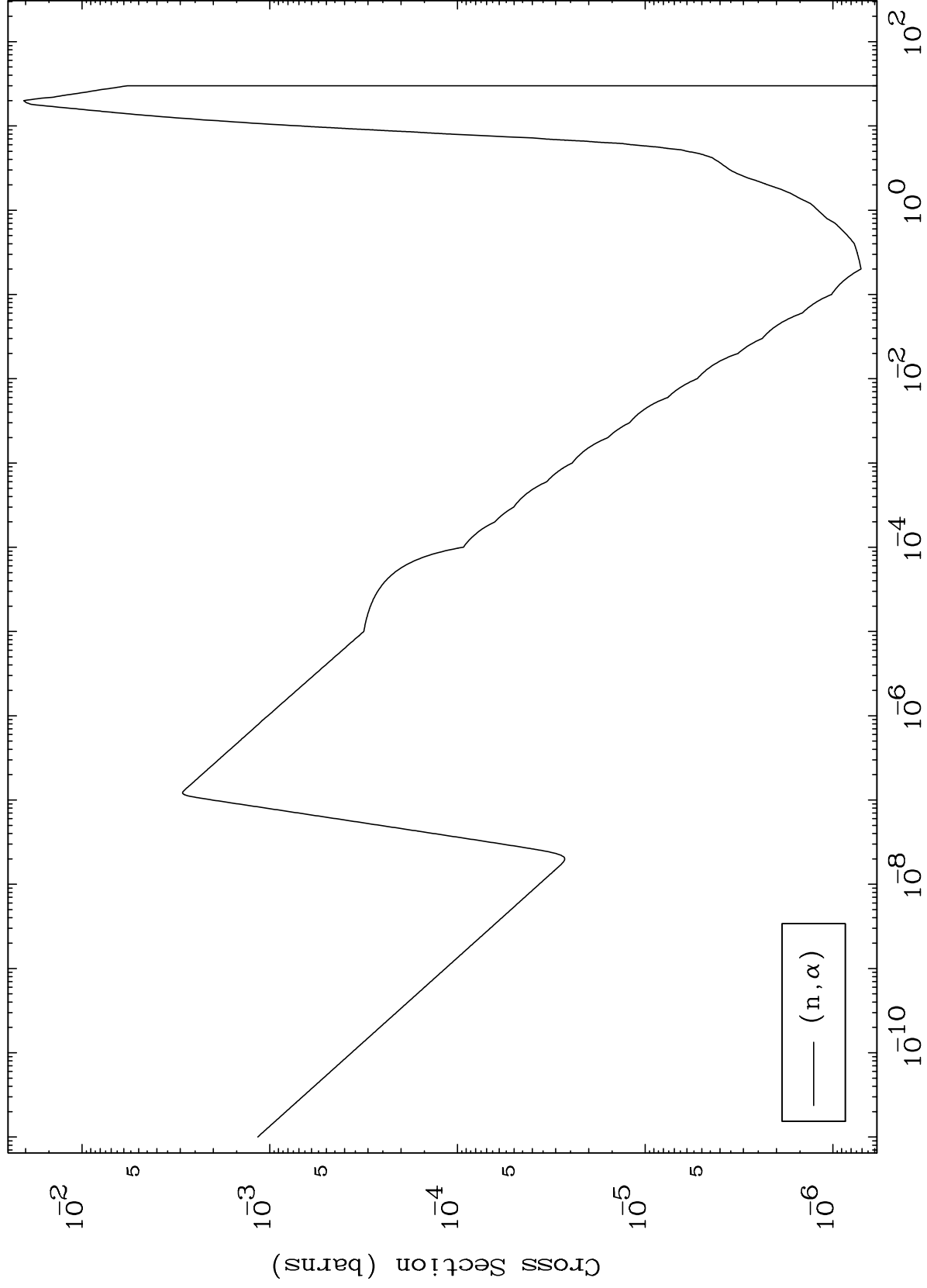
Incident Energy (MeV)

65-Tb-156

MAT 6516

(n,α) Levels  
293 Kelvin Cross Sections

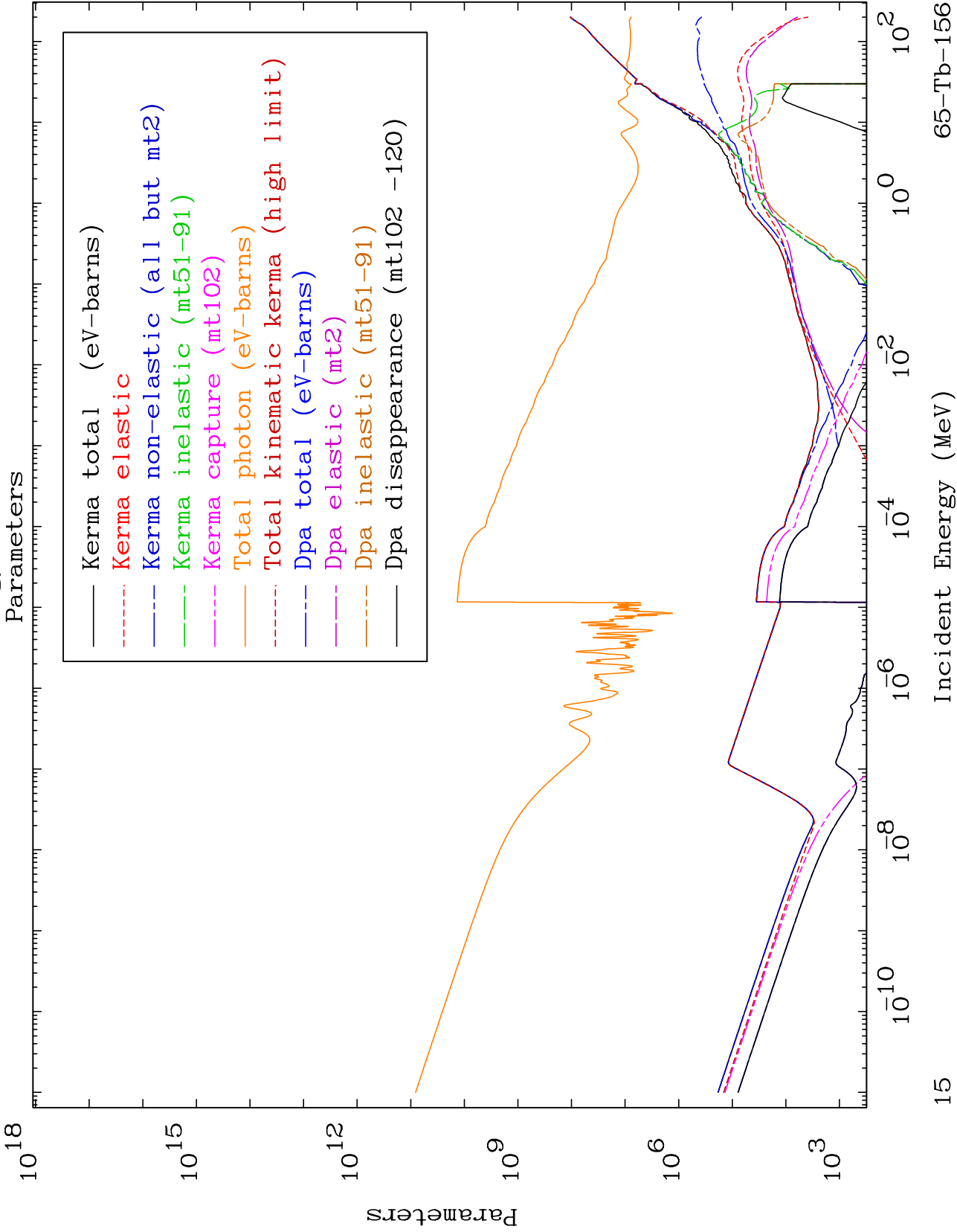
65-Tb-156



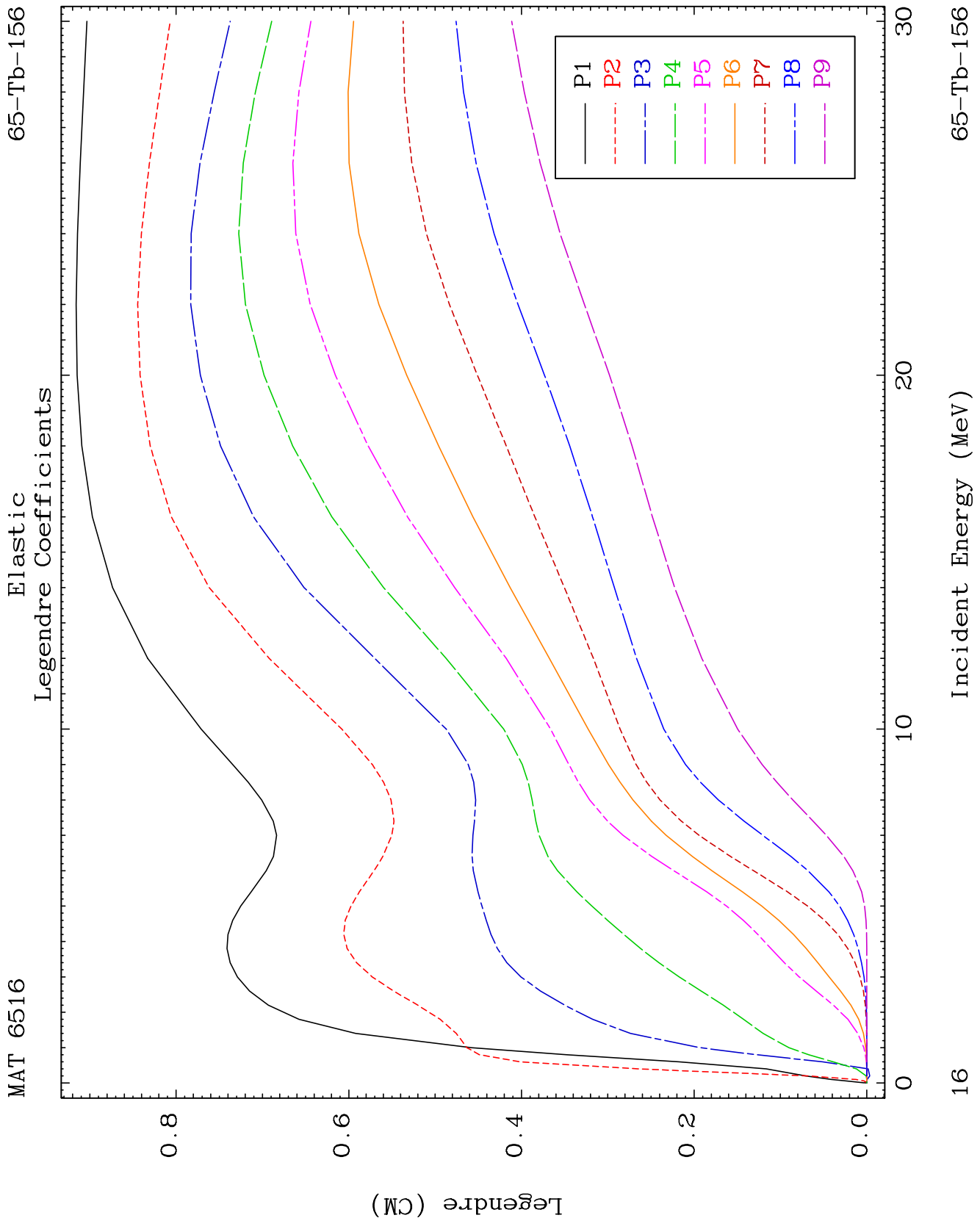
14

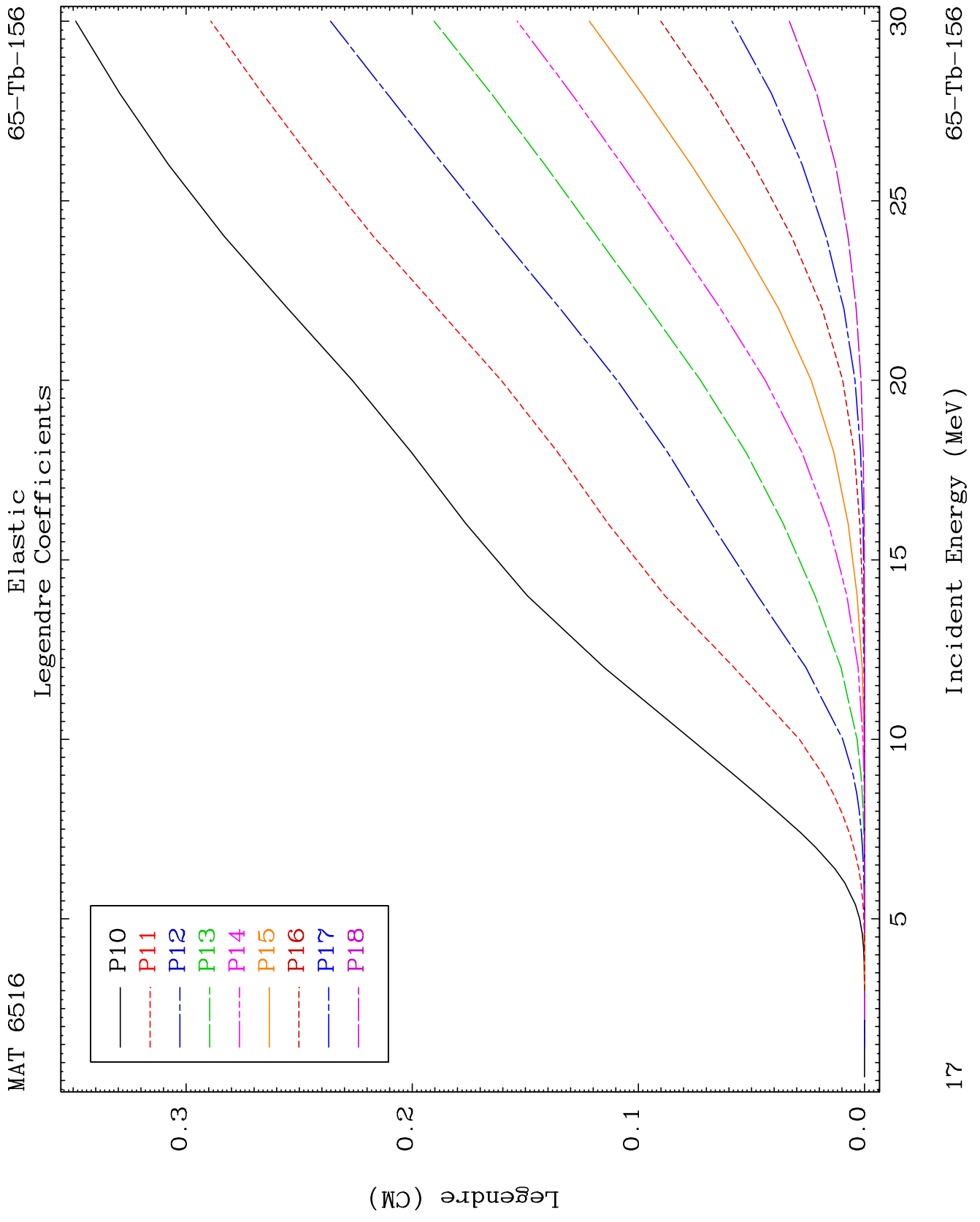
Incident Energy (MeV)

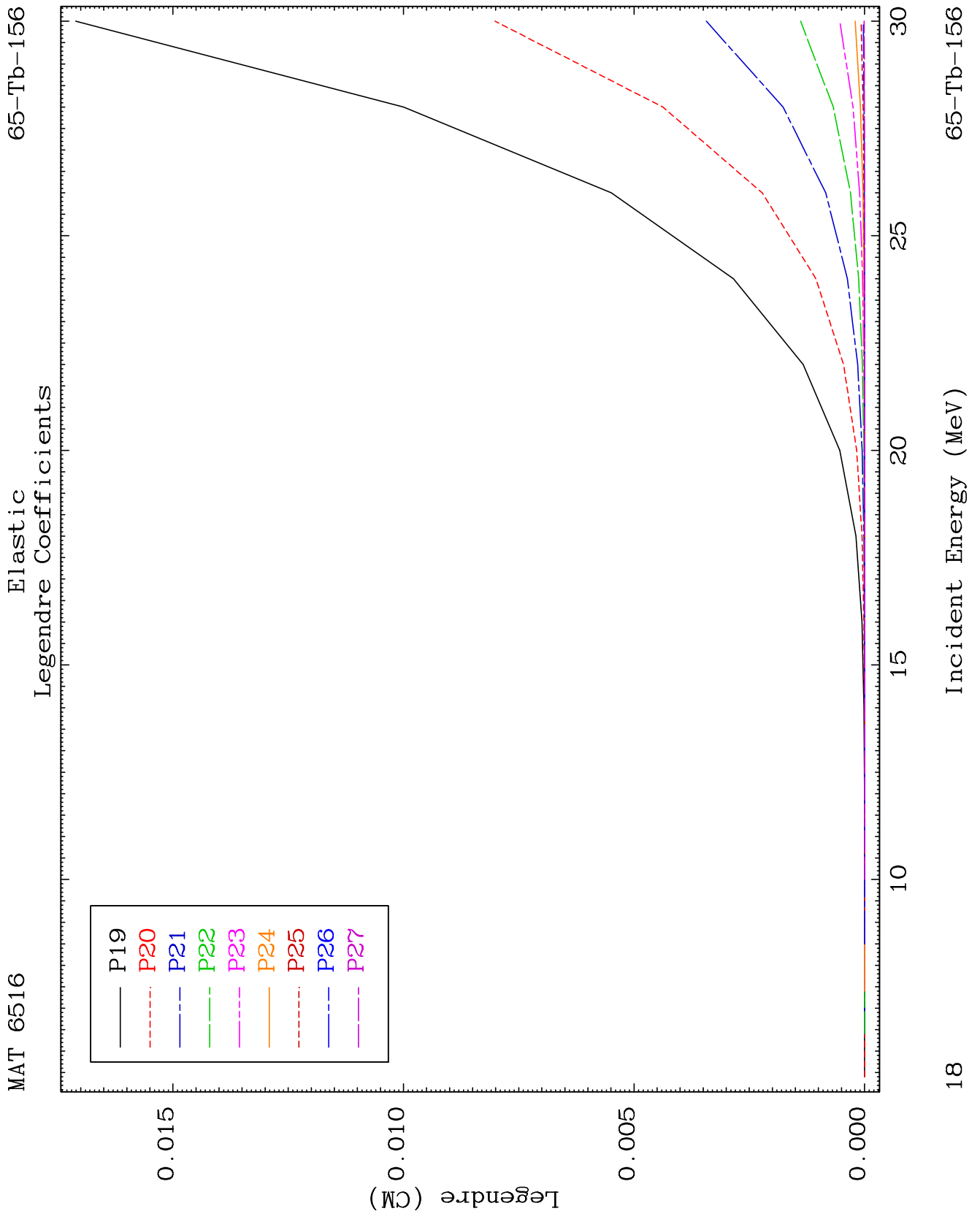
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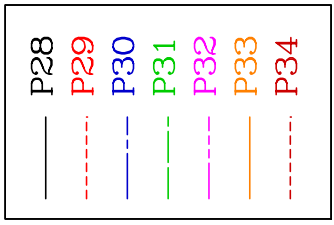




MAT 6516

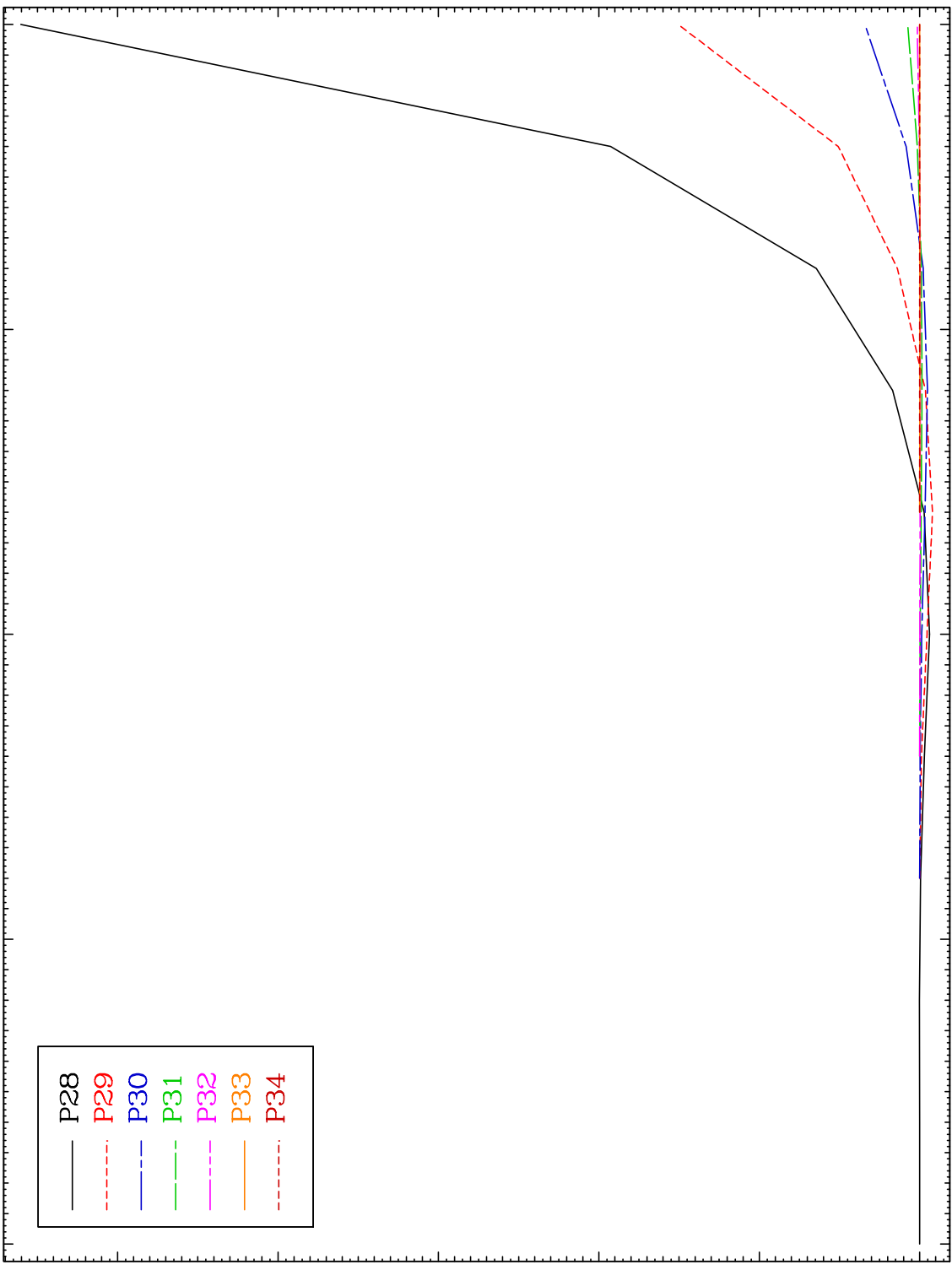
Elastic Legendre Coefficients

65-Tb-156



$\times 10^{-6}$

Legendre (CM)



30

25

20

15

10

Incident Energy (MeV)

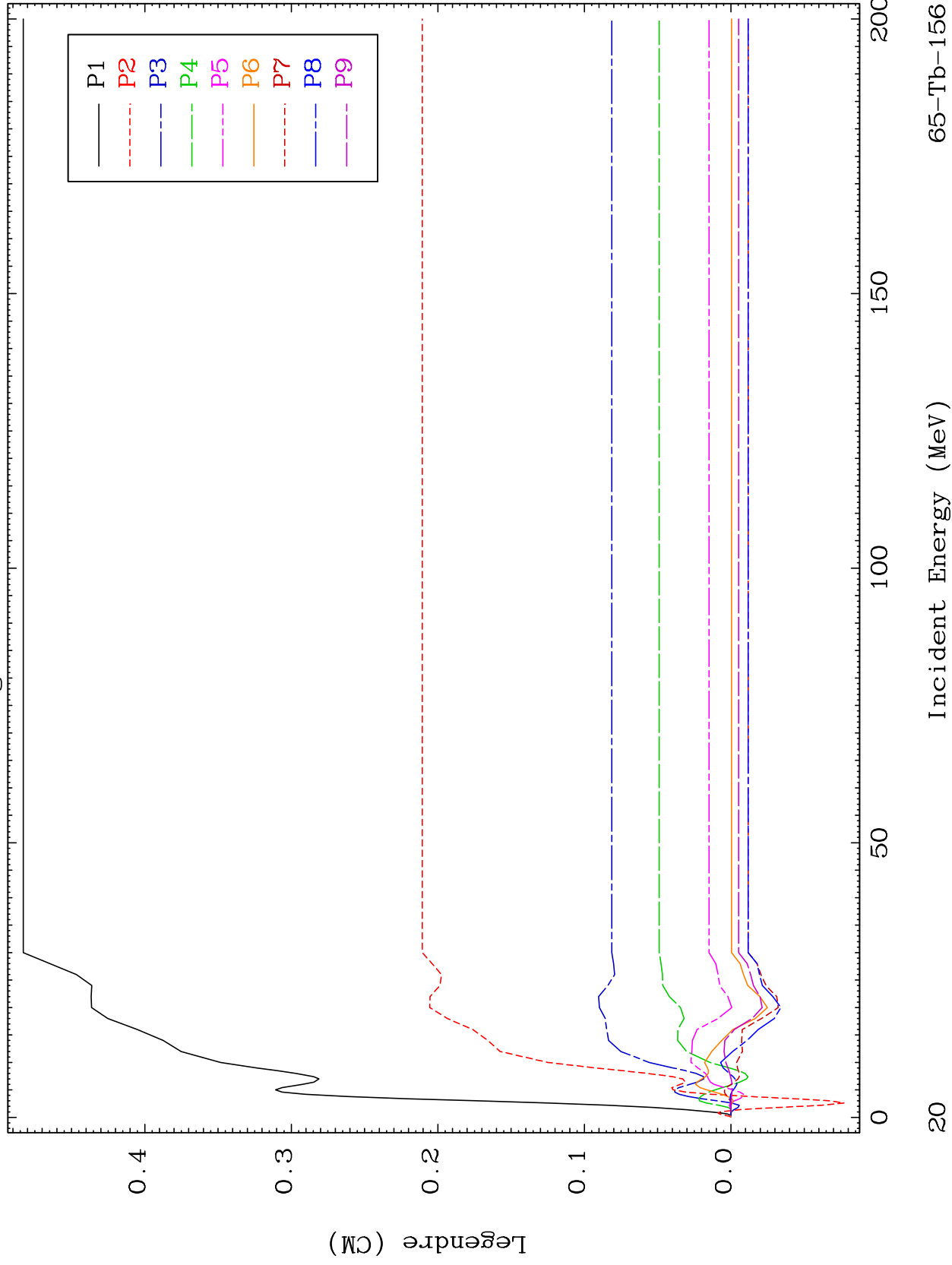
65-Tb-156

19

MAT 6516

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

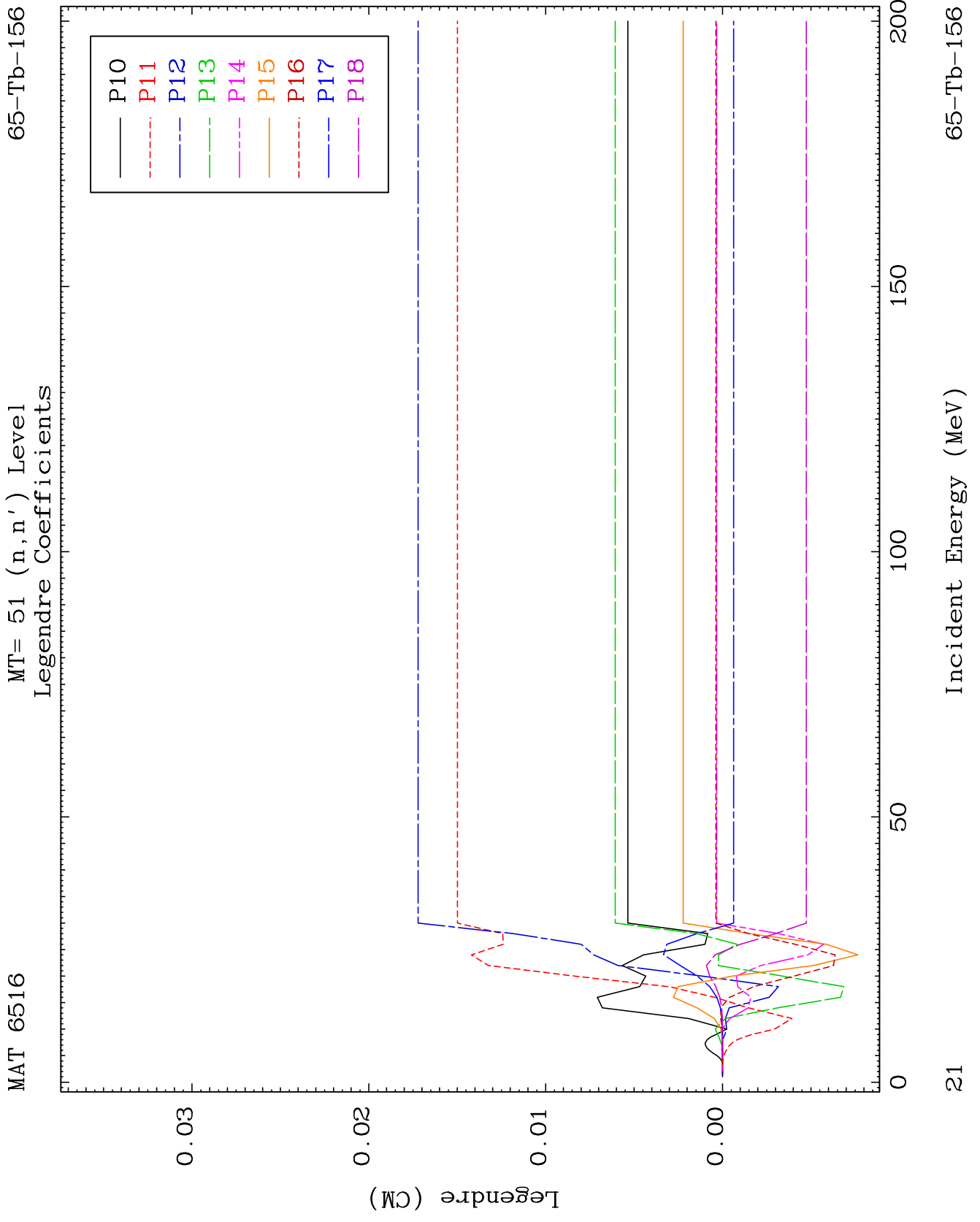
65-Tb-156

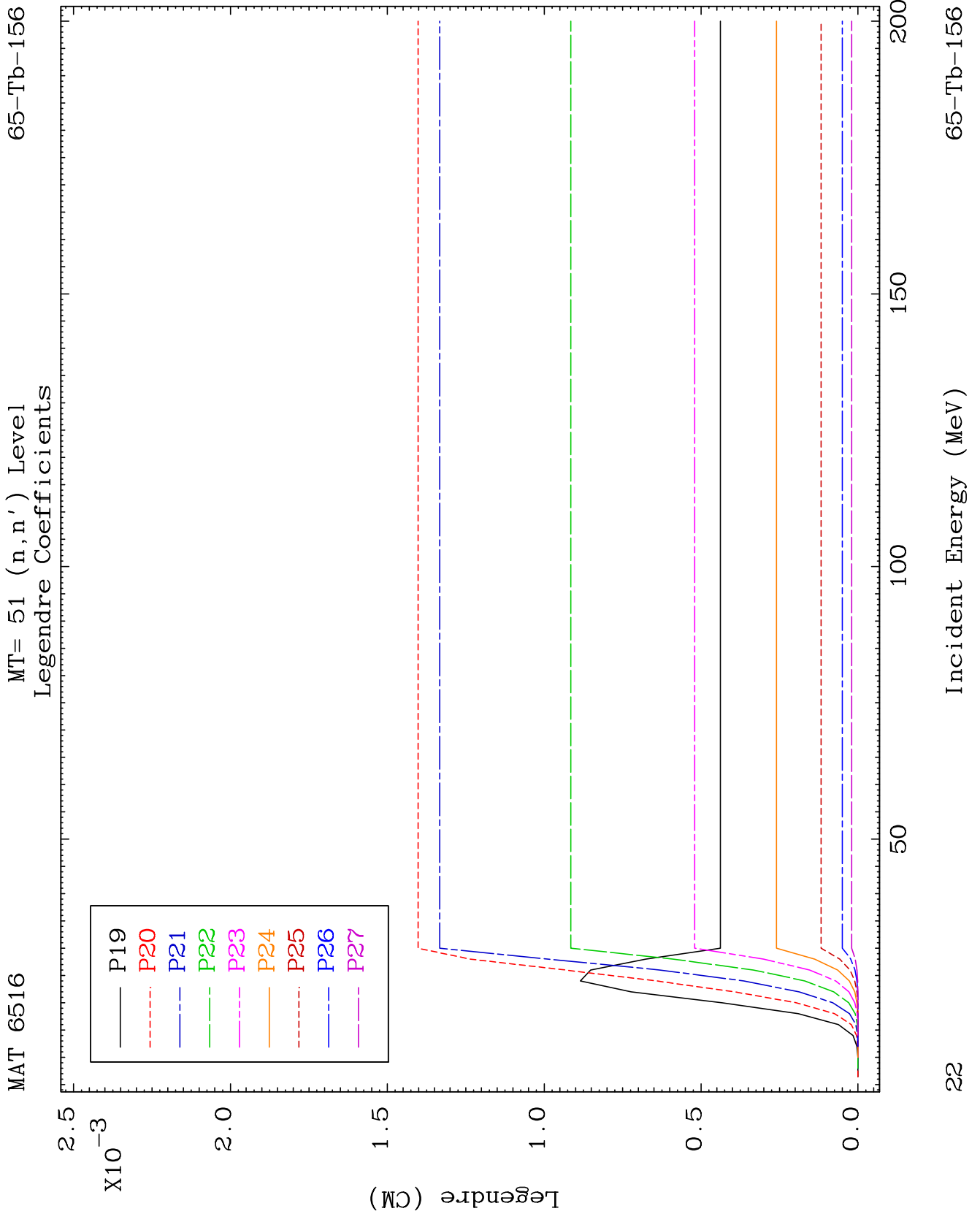


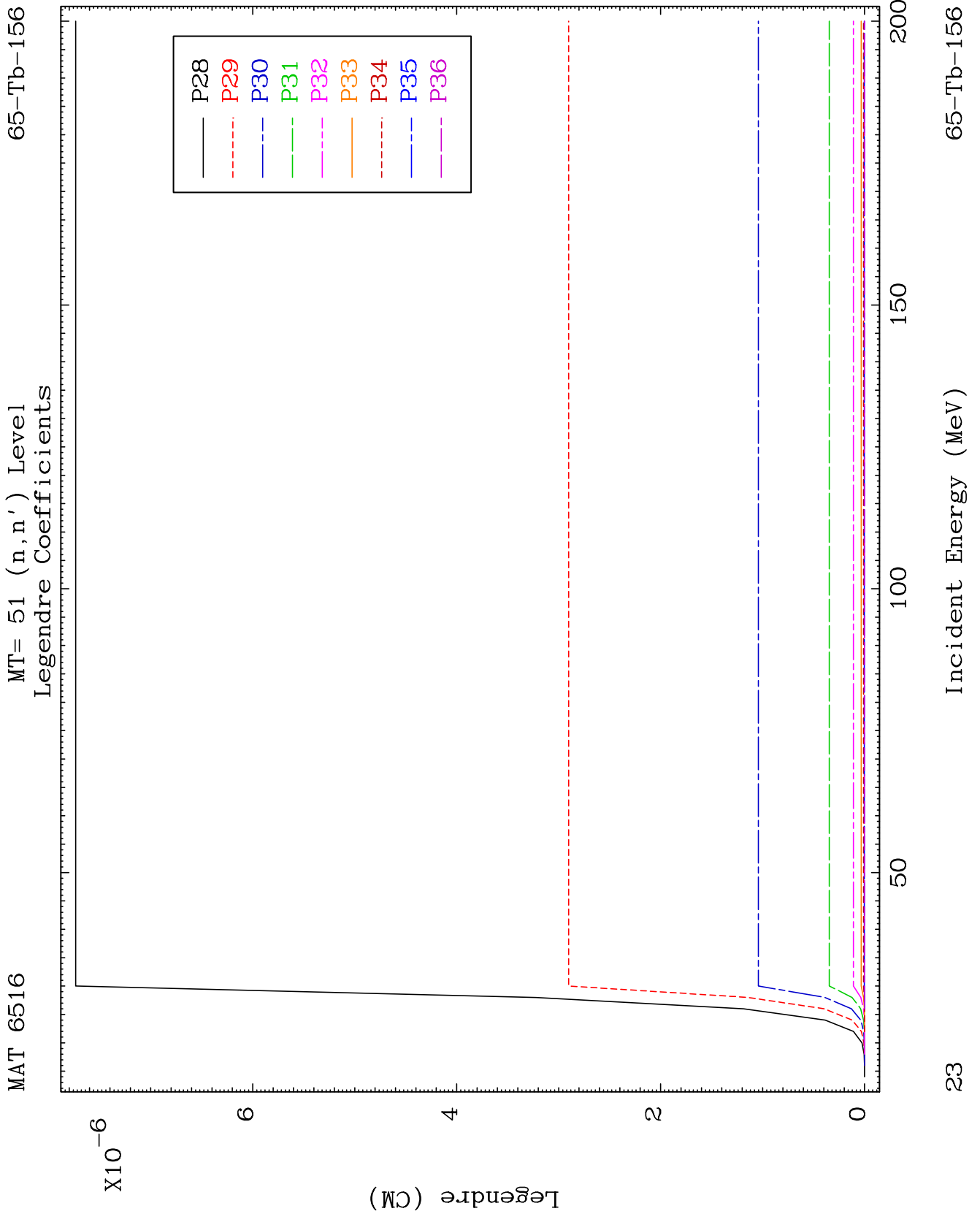
65-Tb-156

Incident Energy (MeV)

0



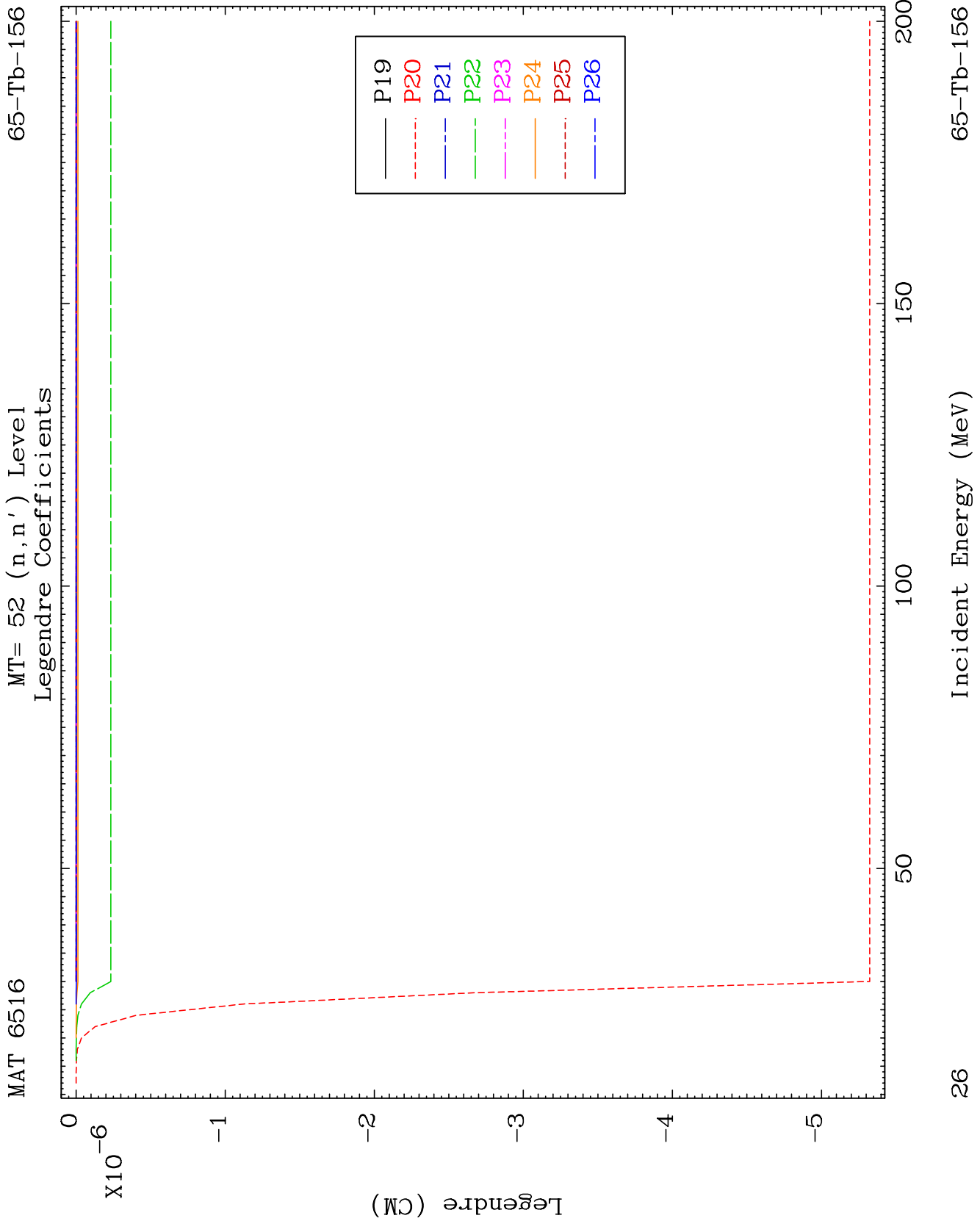


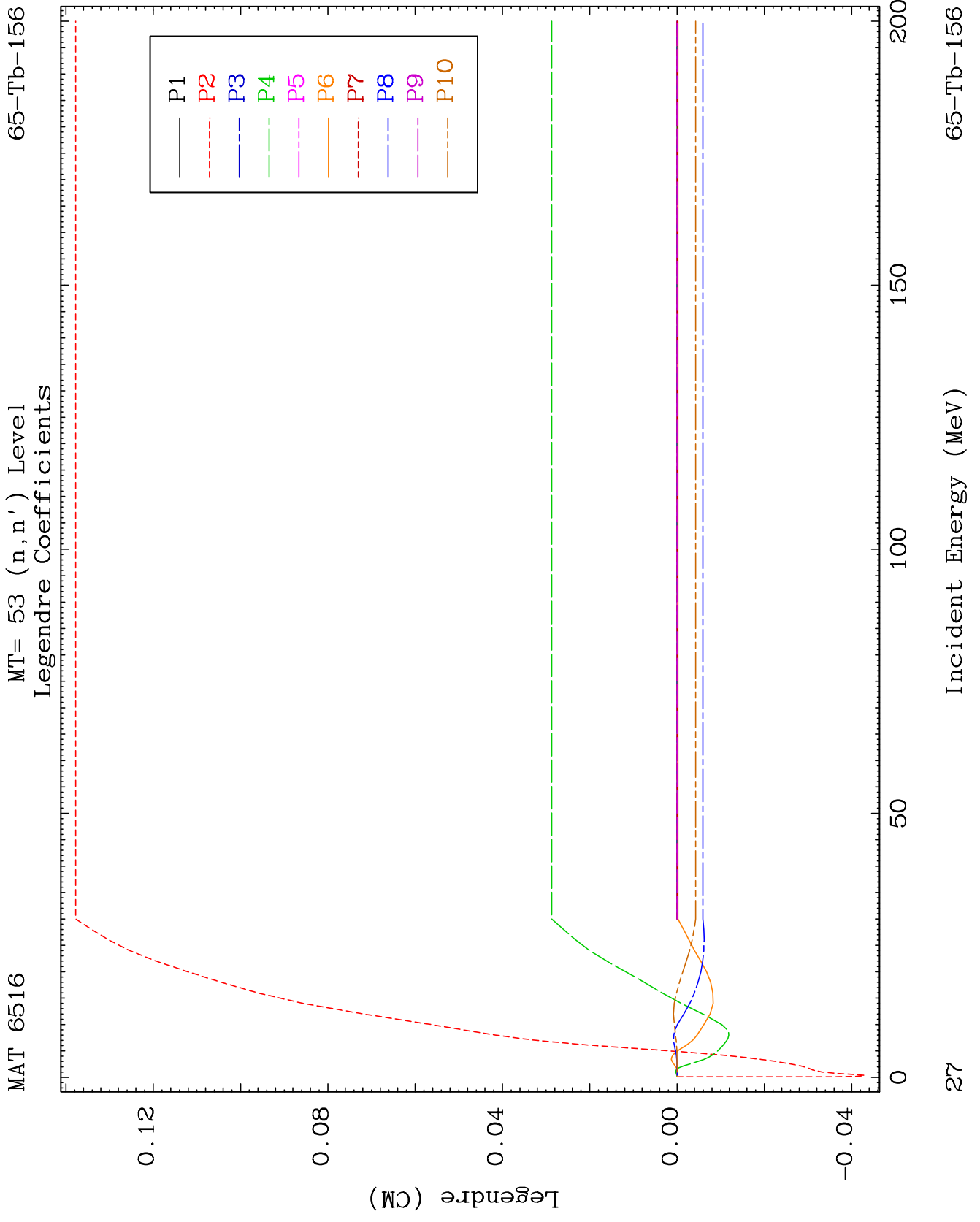


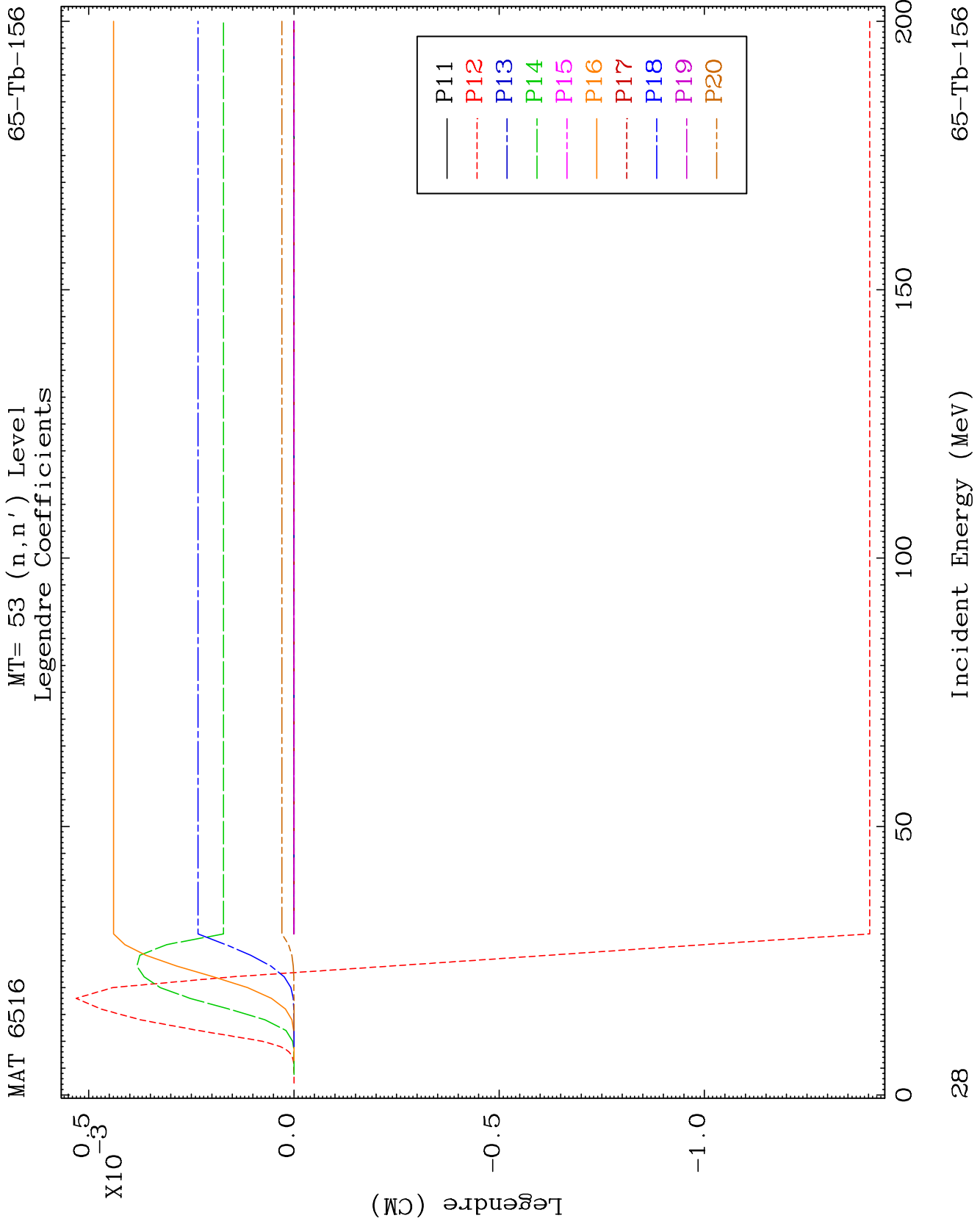


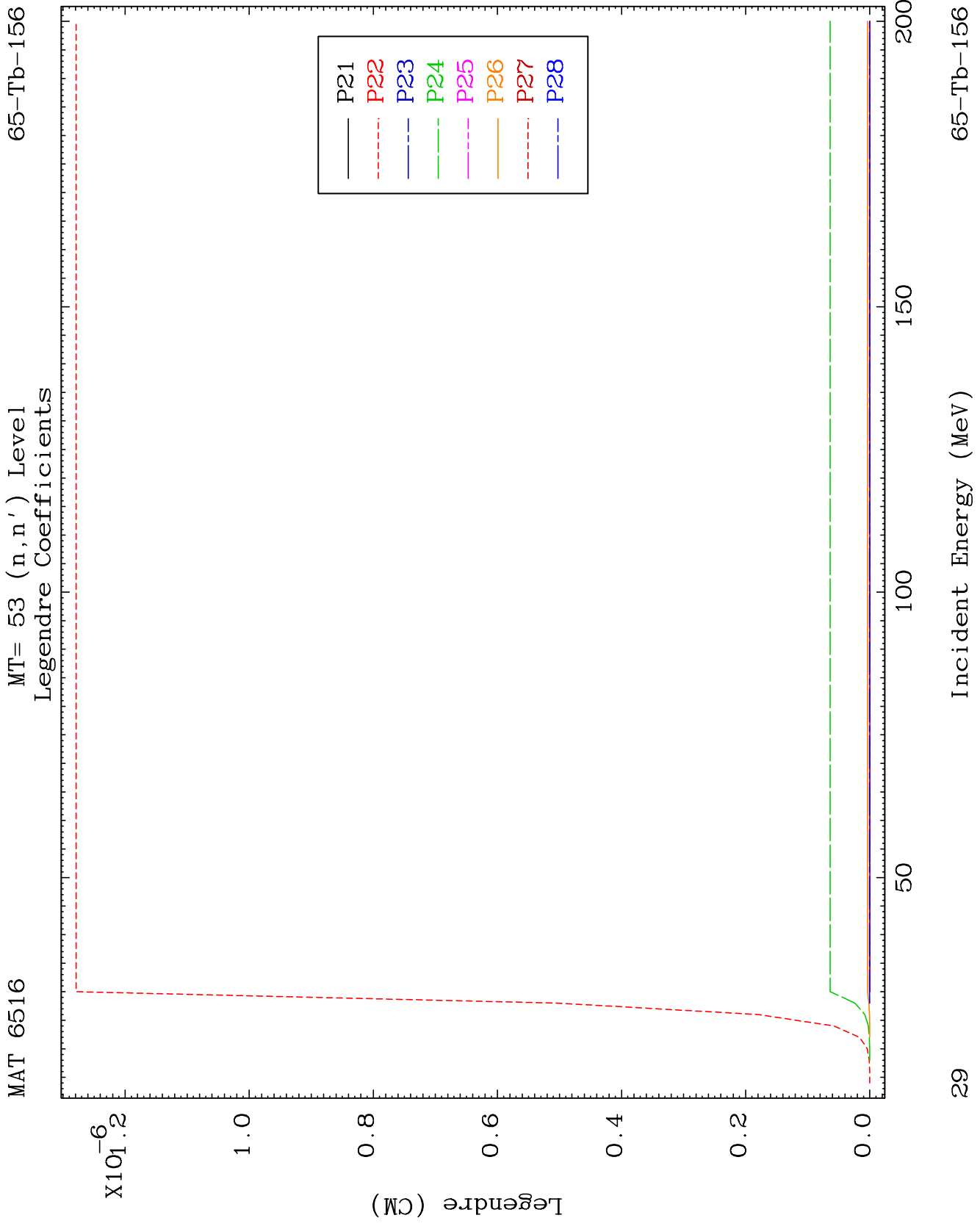


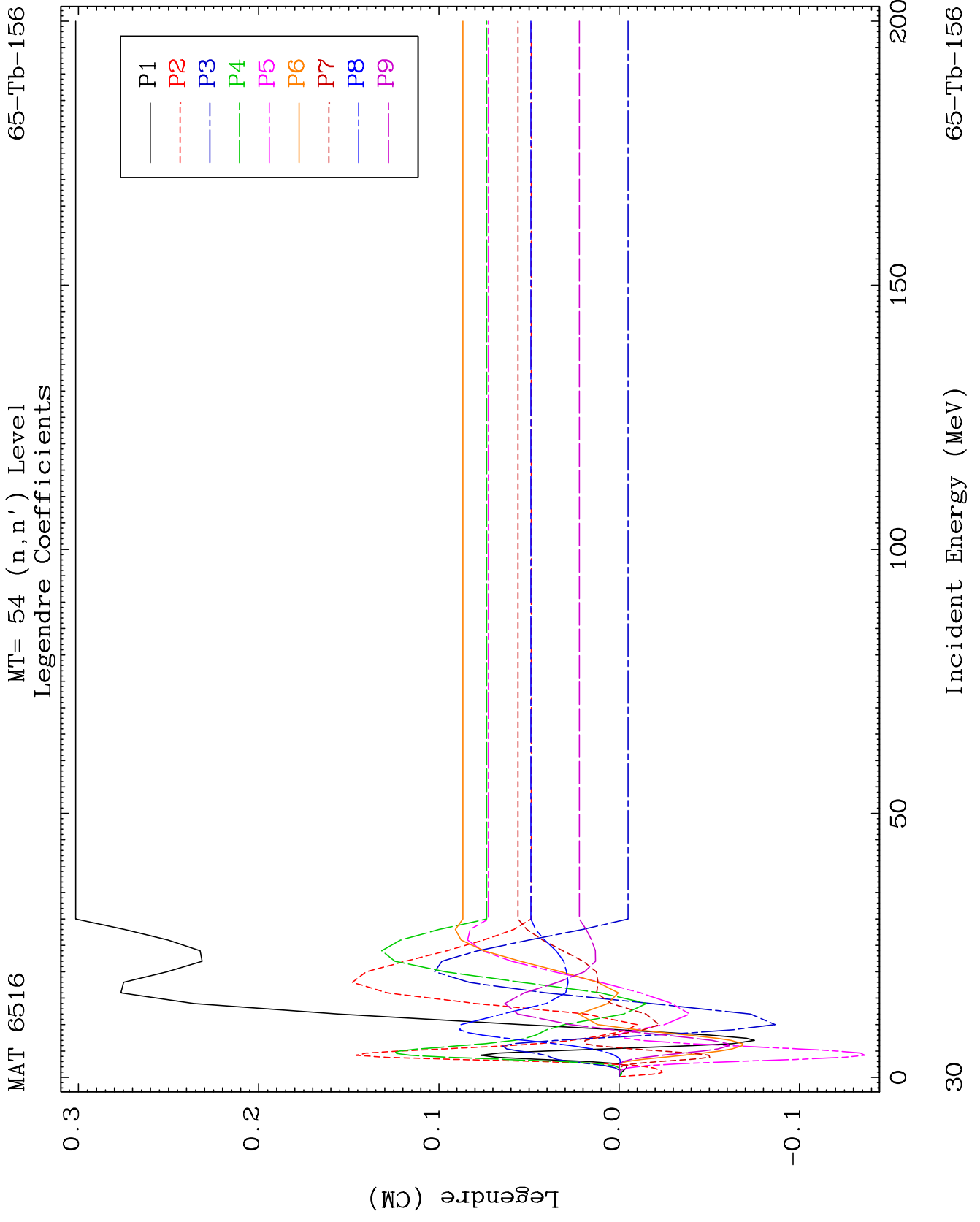












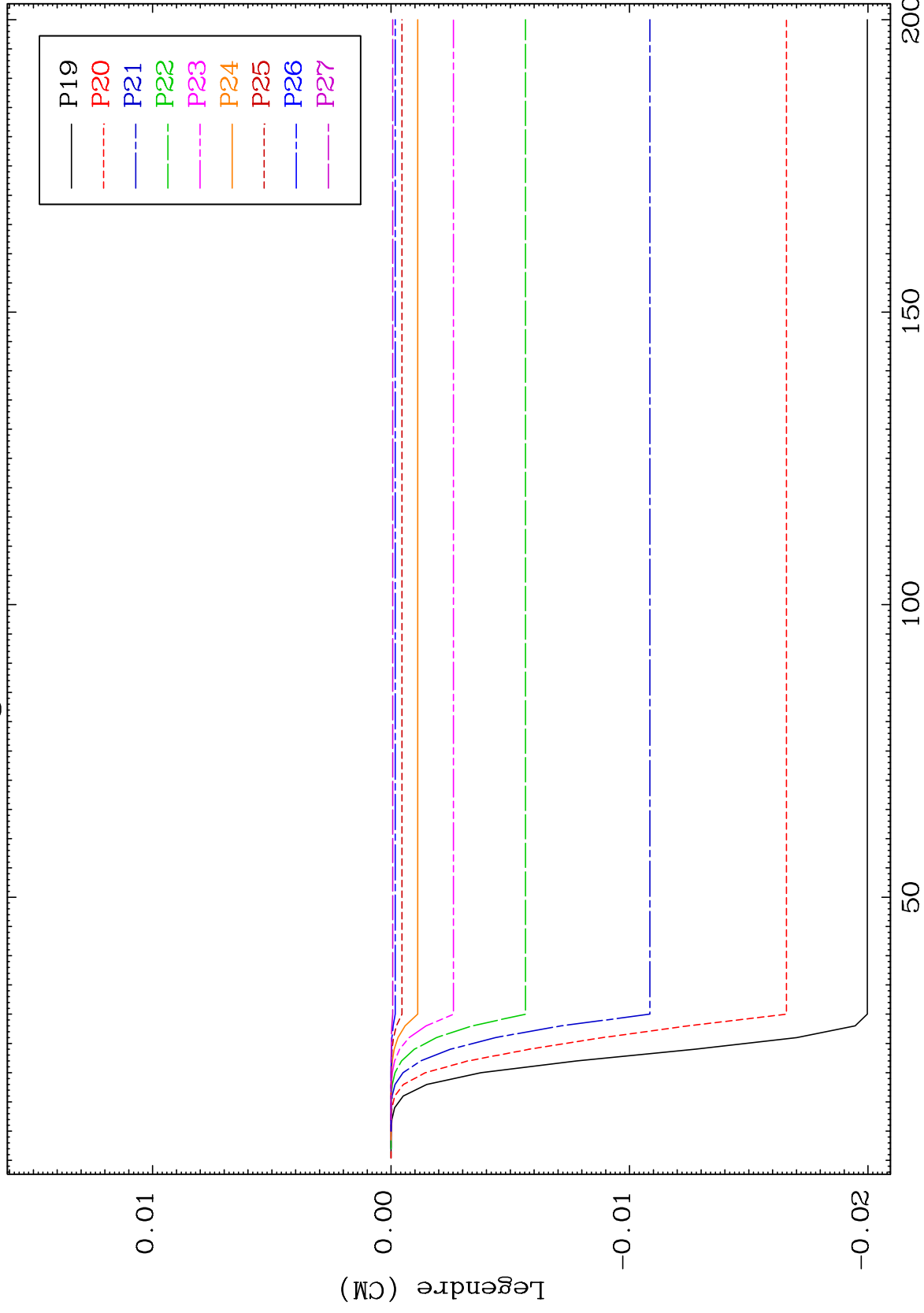




MAT 6516

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

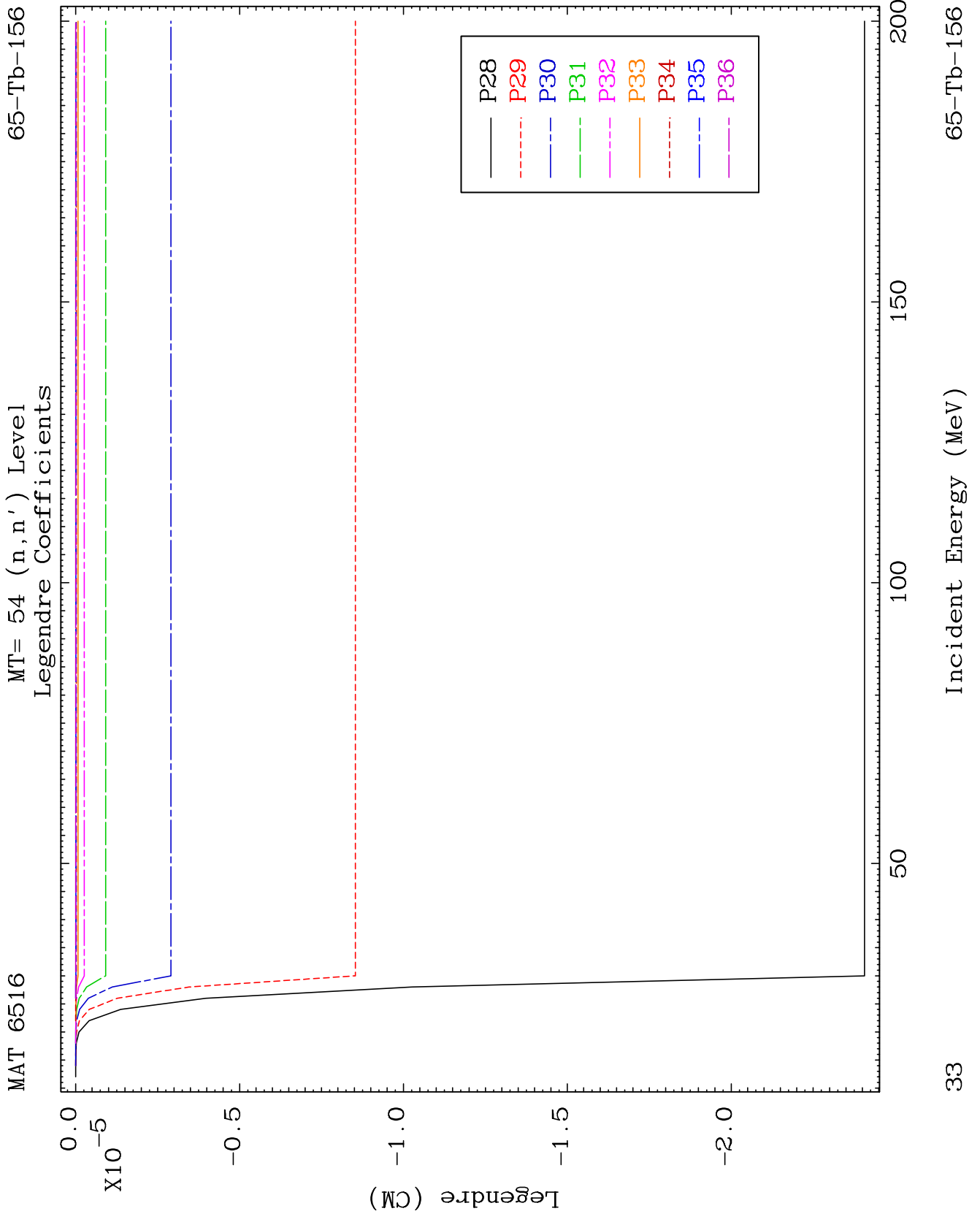
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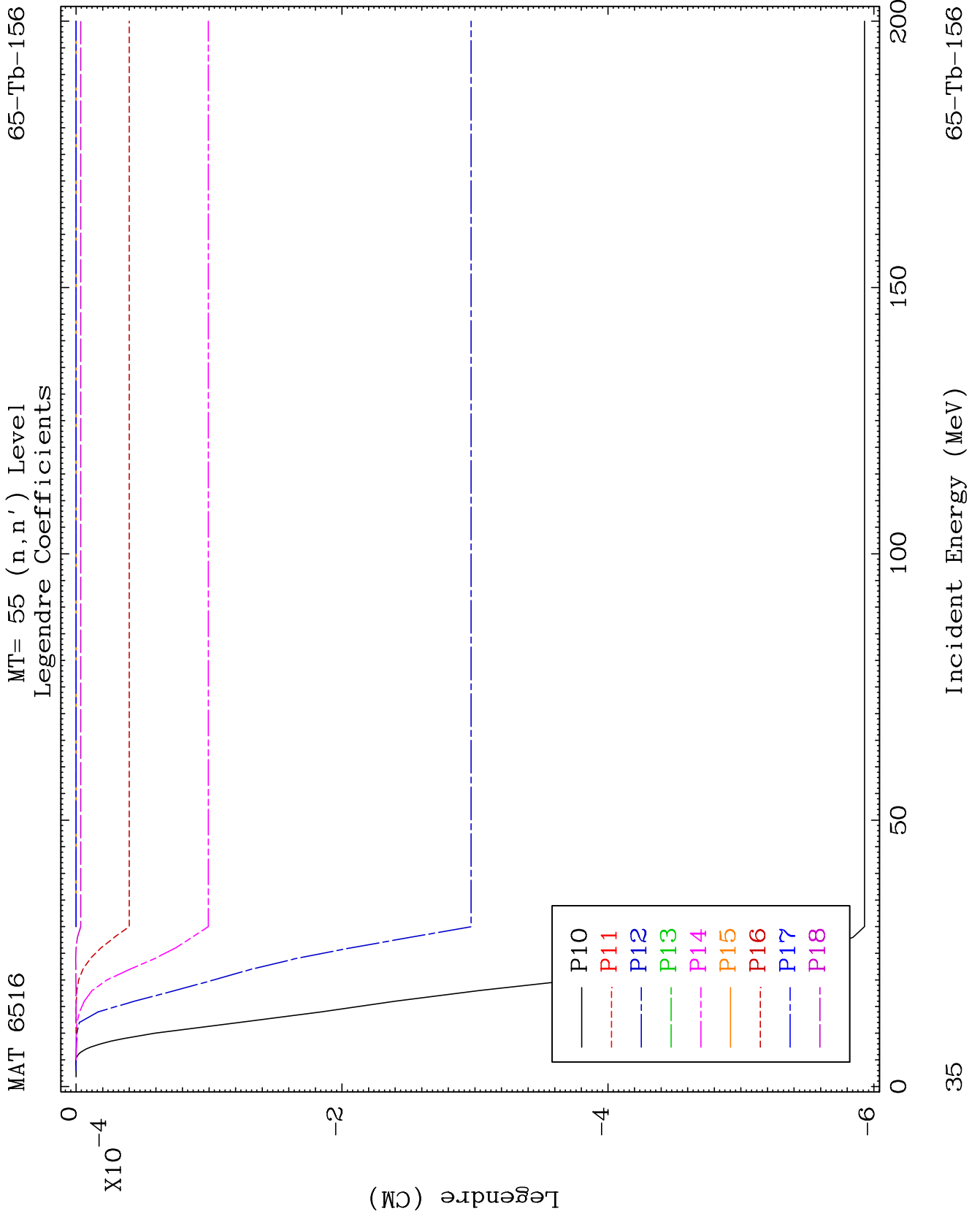
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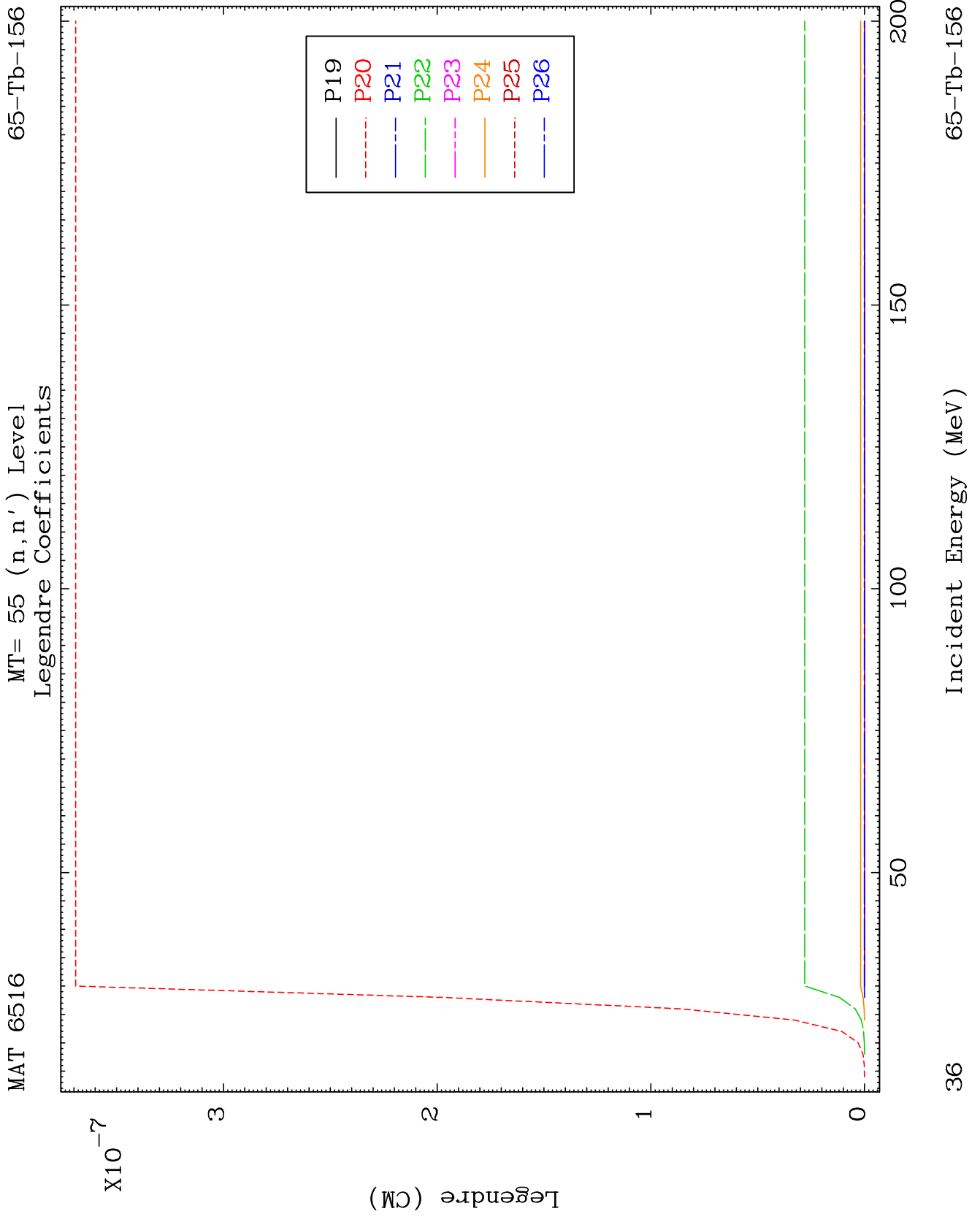
Incident Energy (MeV)

65-Tb-156





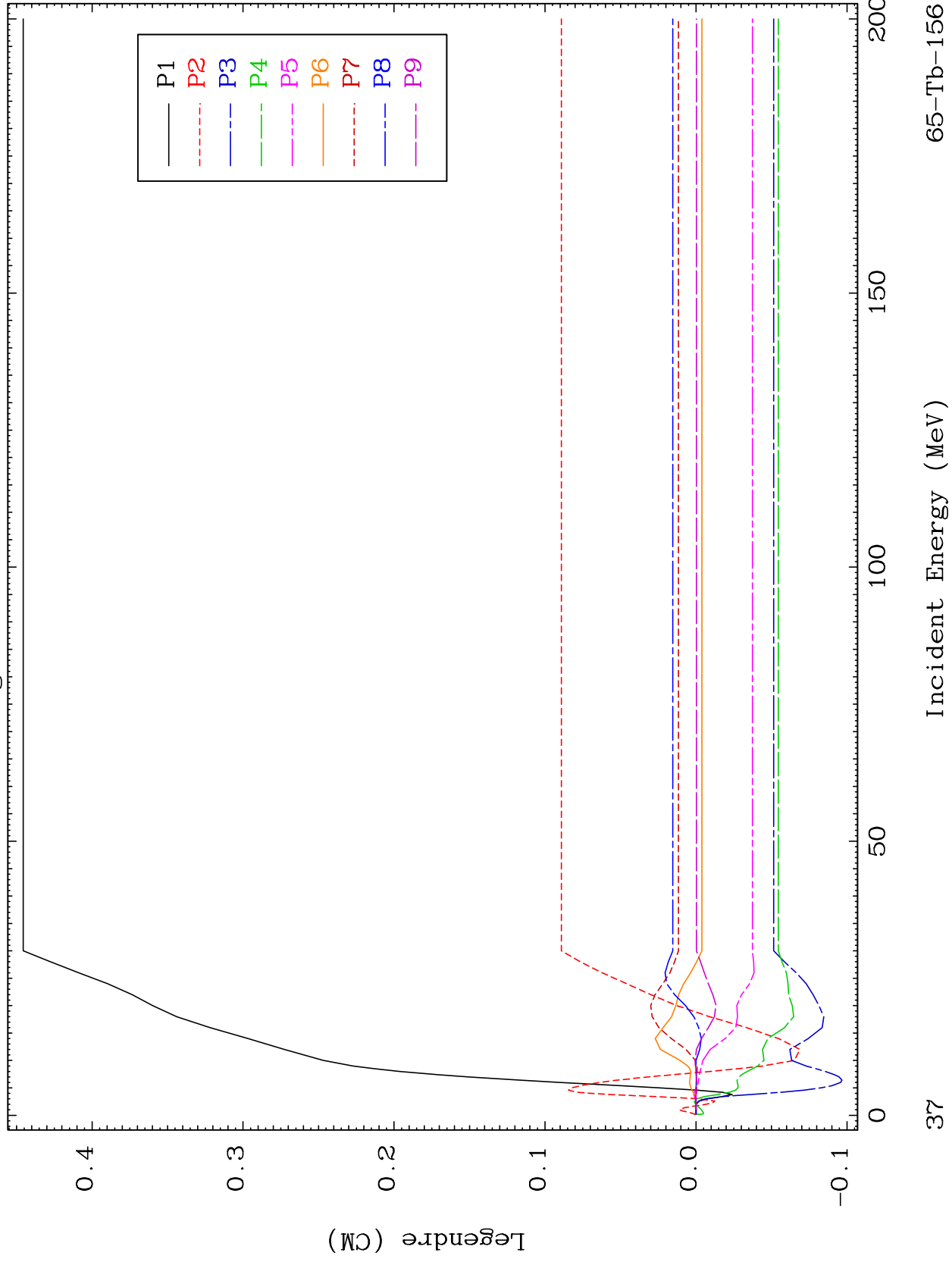




MAT 6516

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

65-Tb-156



65-Tb-156

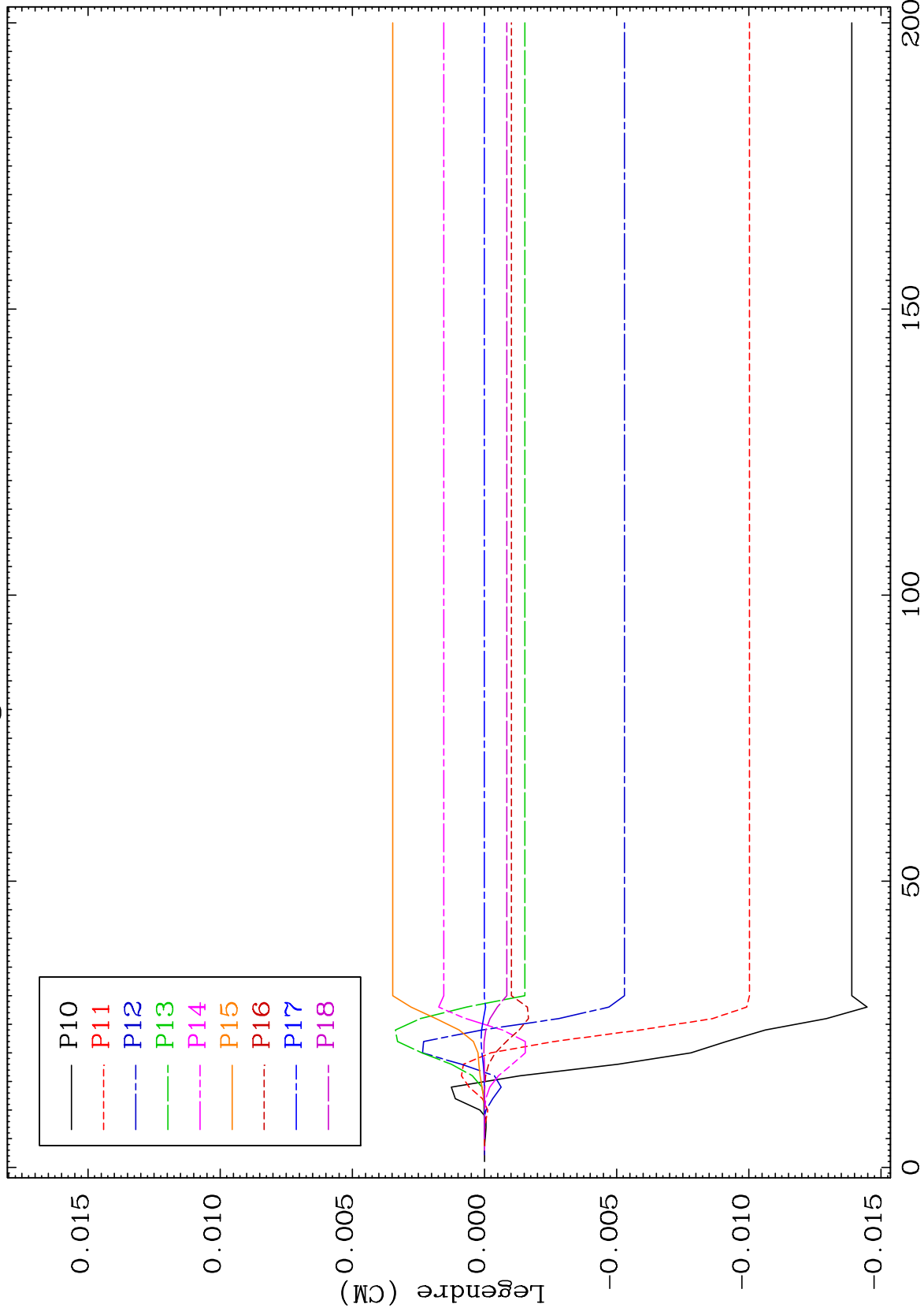
Incident Energy (MeV)

37

MAT 6516

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

65-Tb-156



38

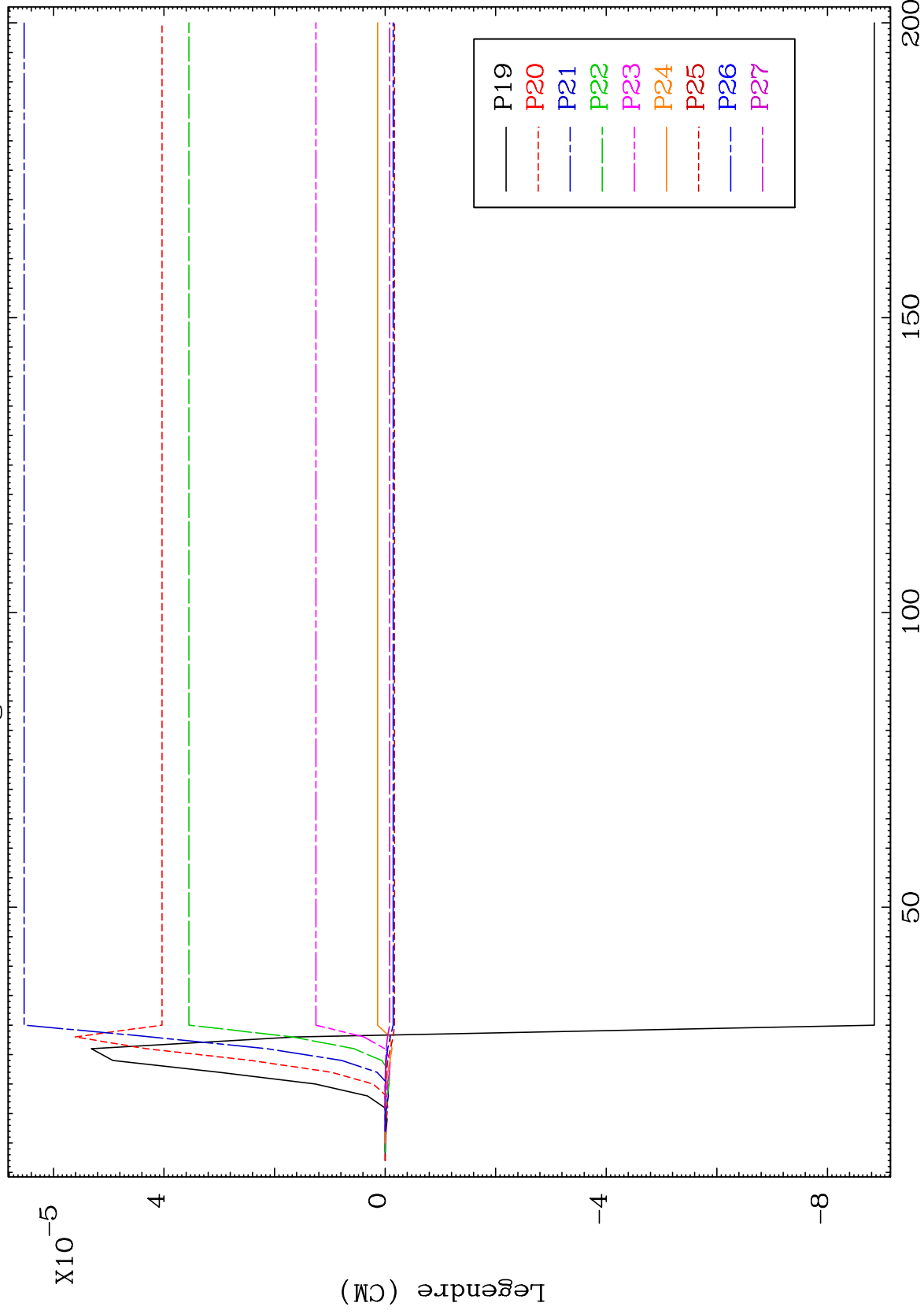
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156

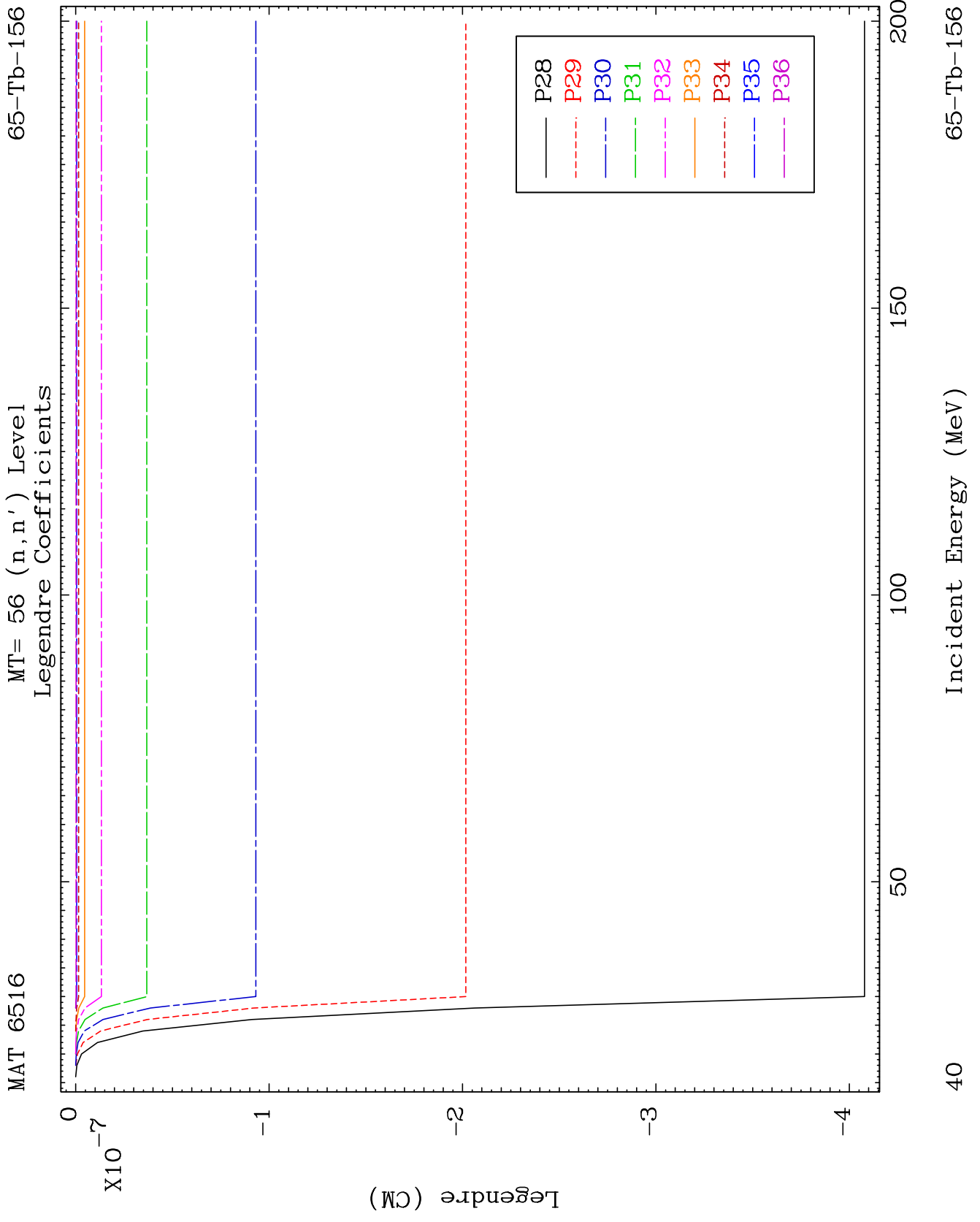


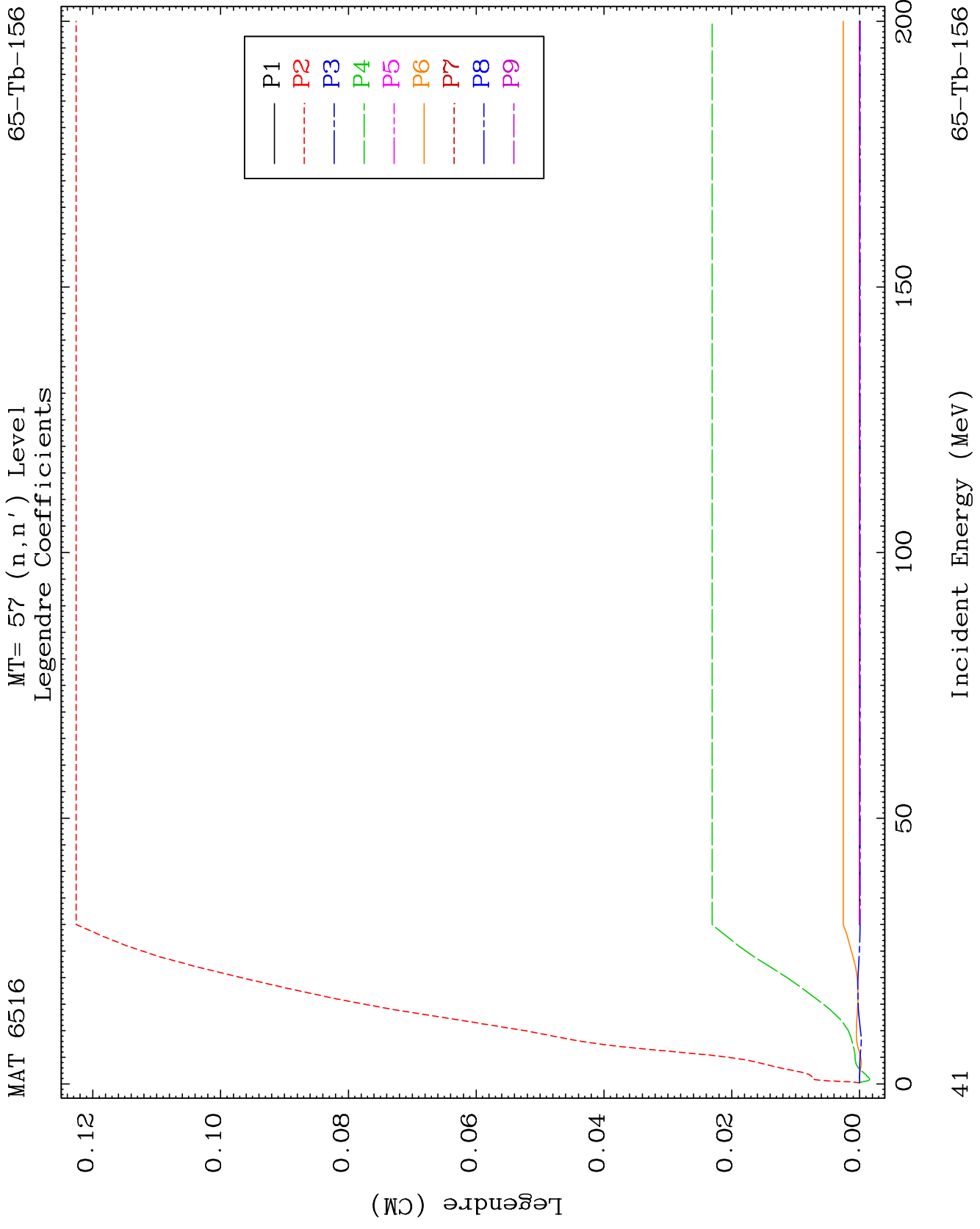
39

Incident Energy (MeV)

65-Tb-156



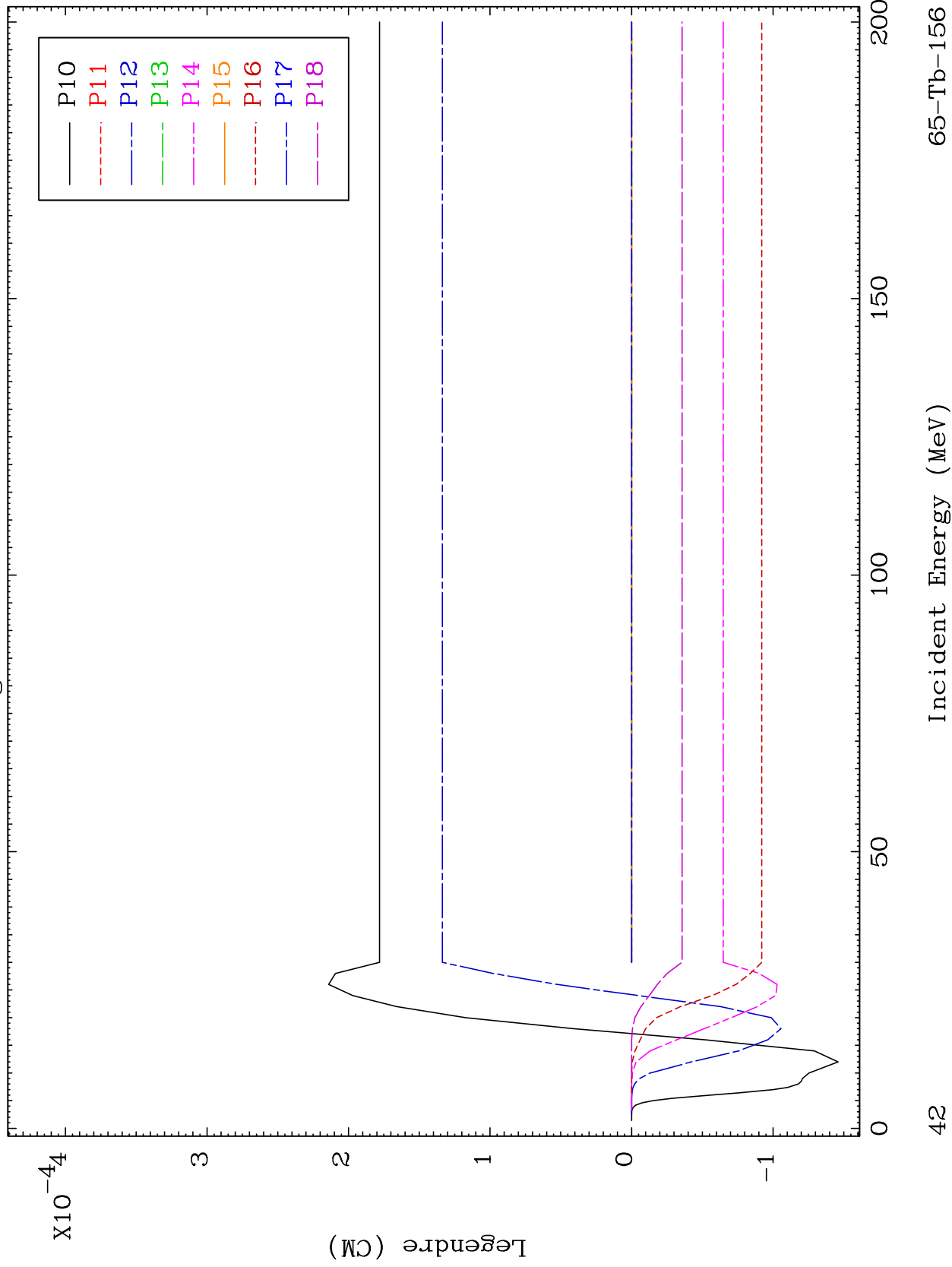




MAT 6516

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

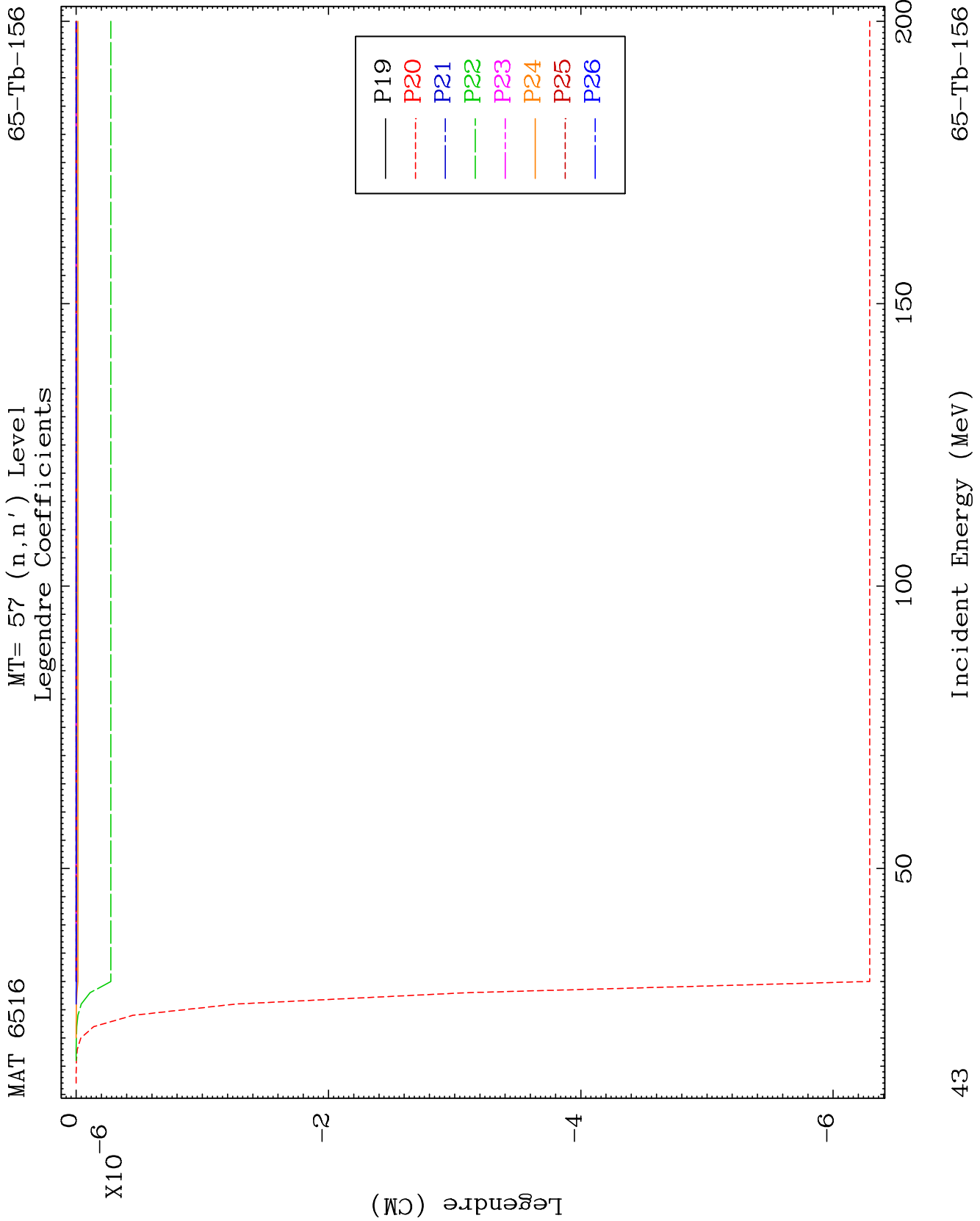
65-Tb-156



65-Tb-156

Incident Energy (MeV)

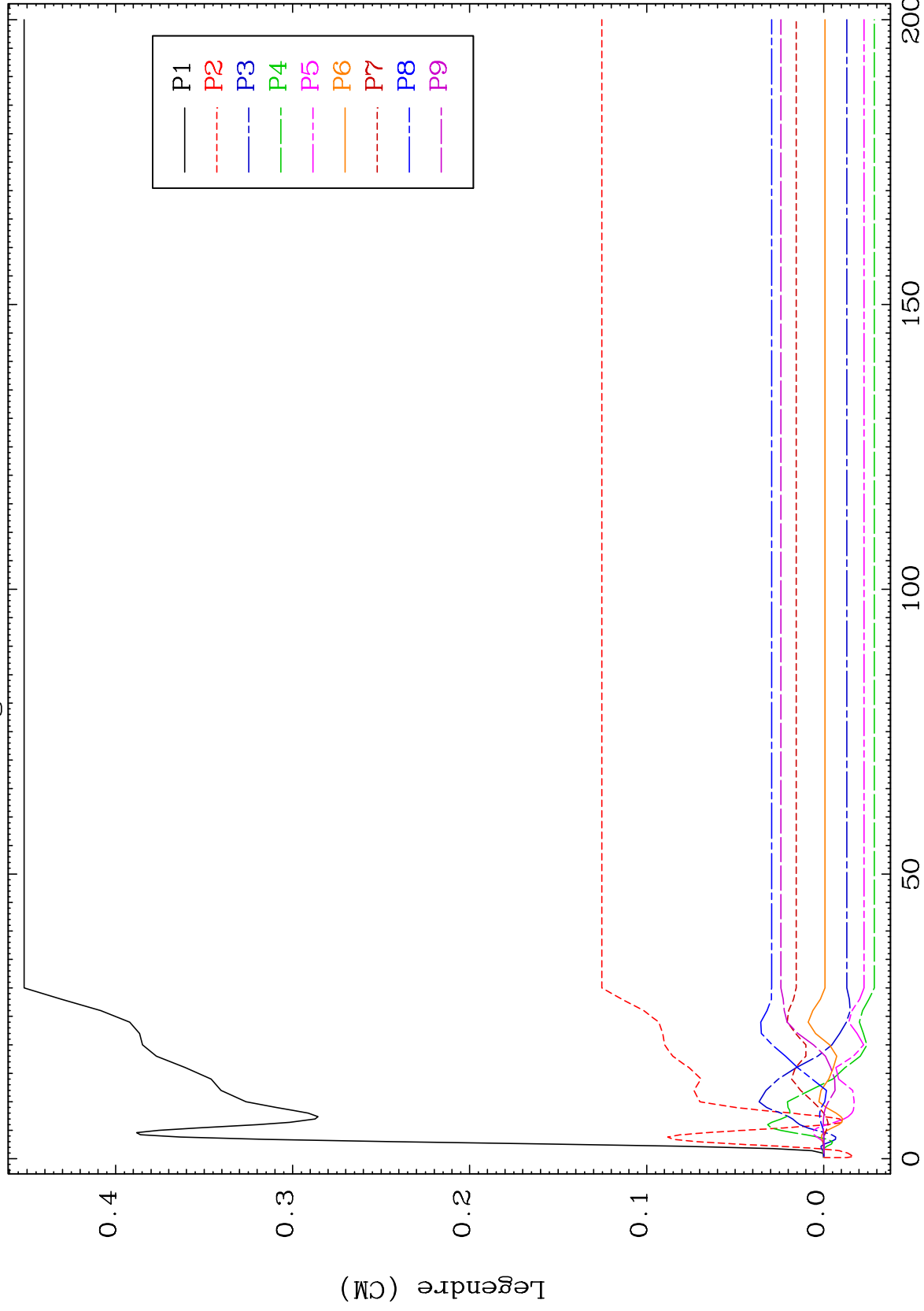
42



MAT 6516

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

65-Tb-156



44

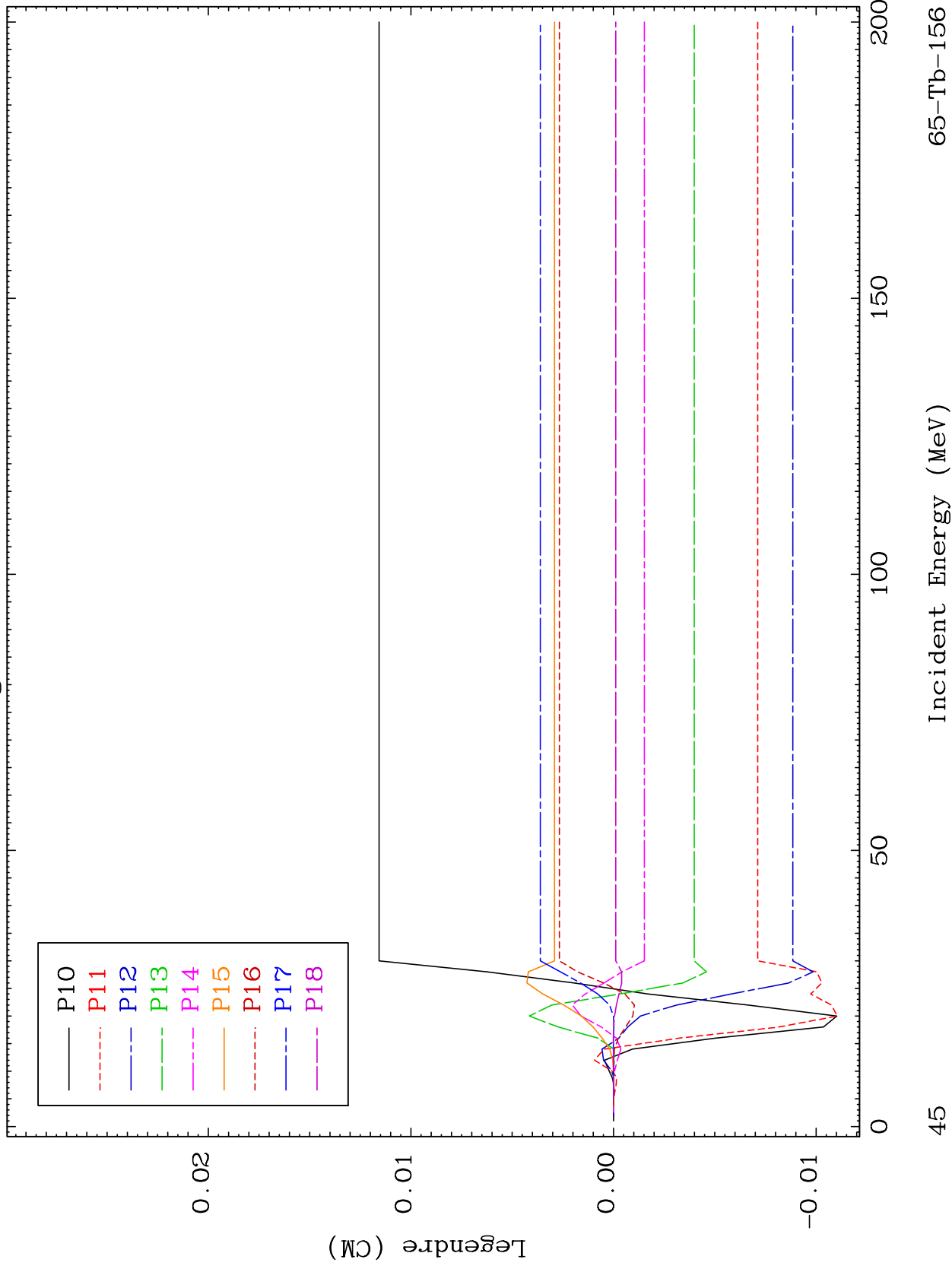
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

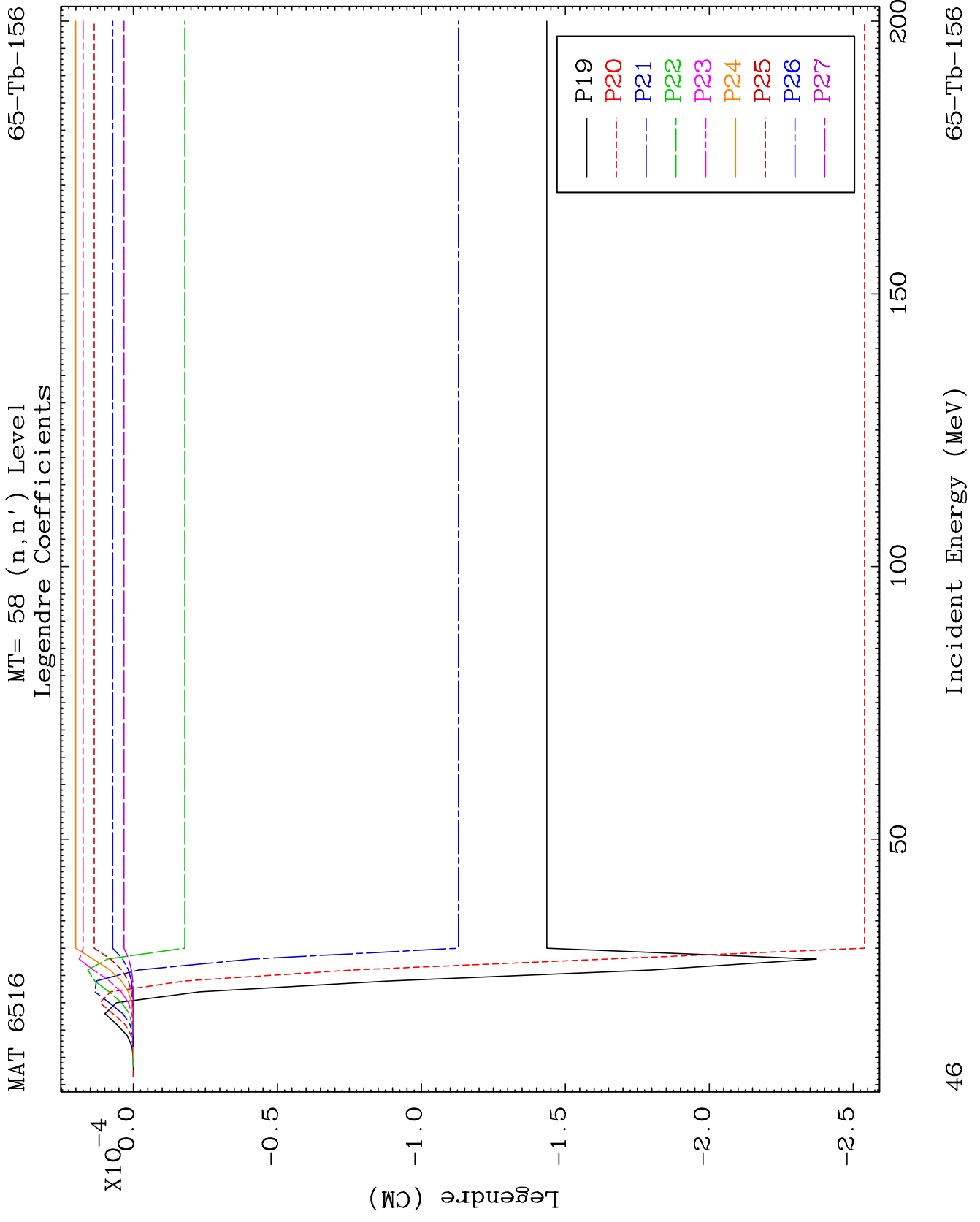
65-Tb-156



65-Tb-156

Incident Energy (MeV)

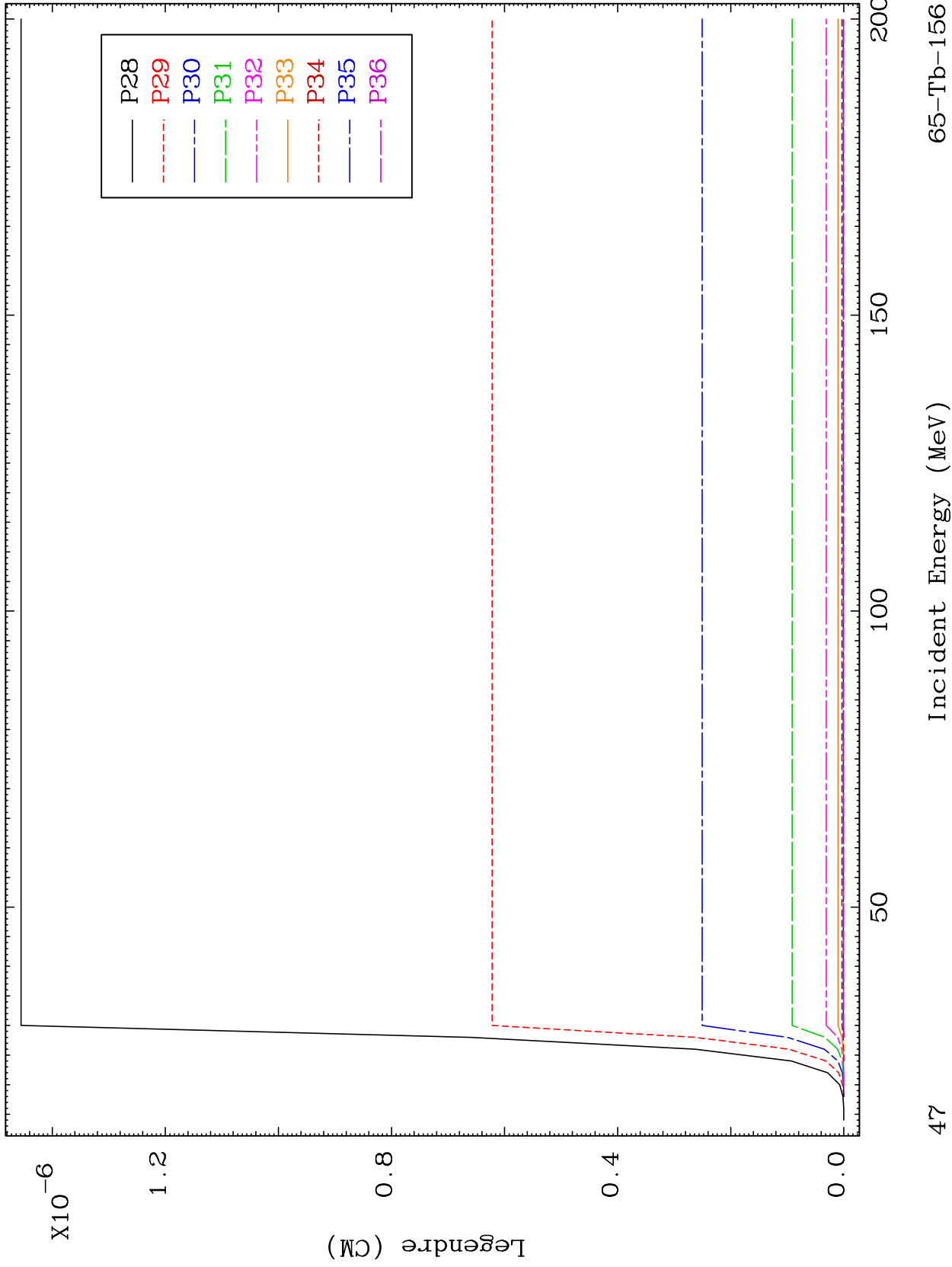
45



MAT 6516

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

65-Tb-156



47

Incident Energy (MeV)

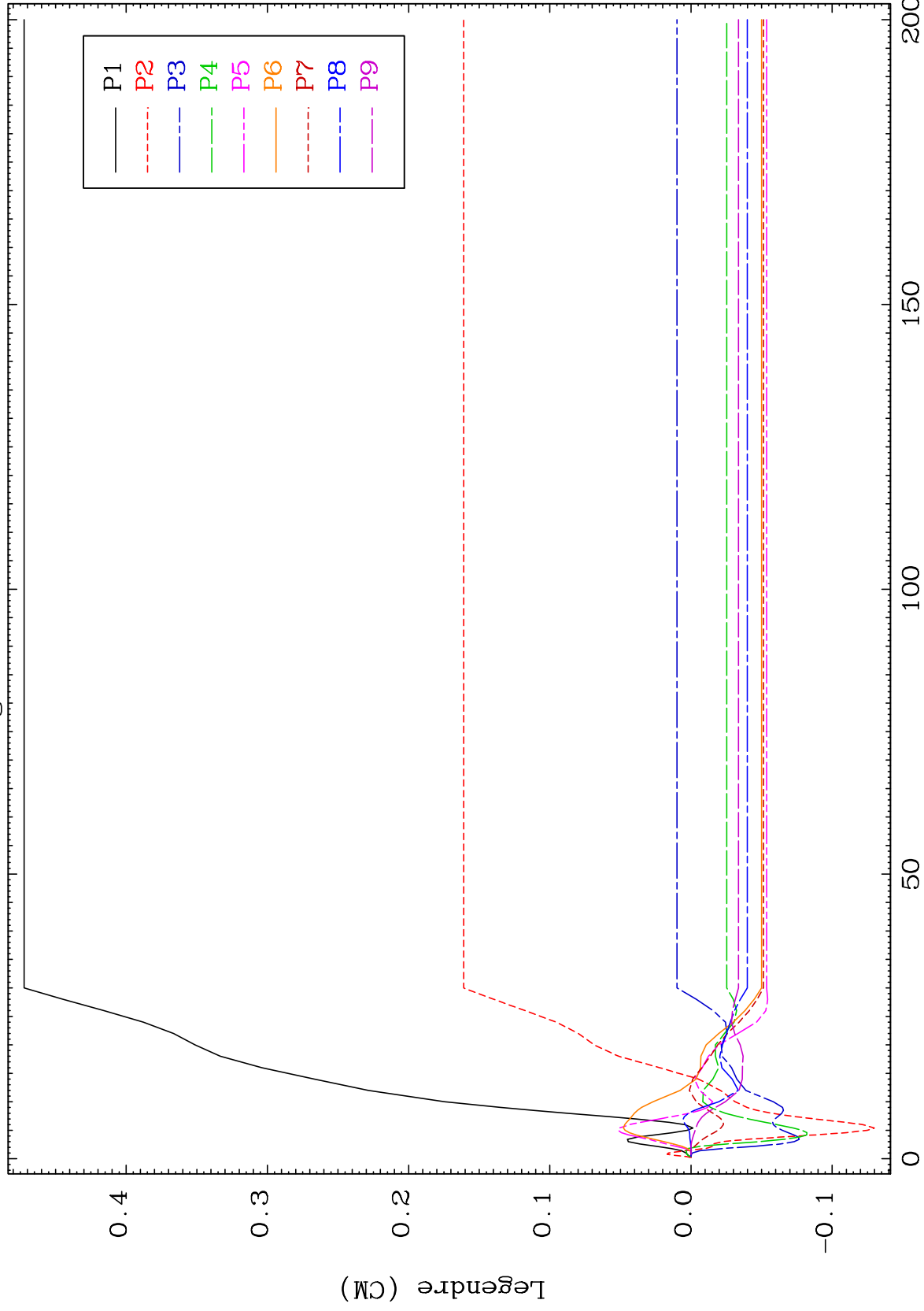
65-Tb-156



MAT 6516

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

65-Tb-156



65-Tb-156

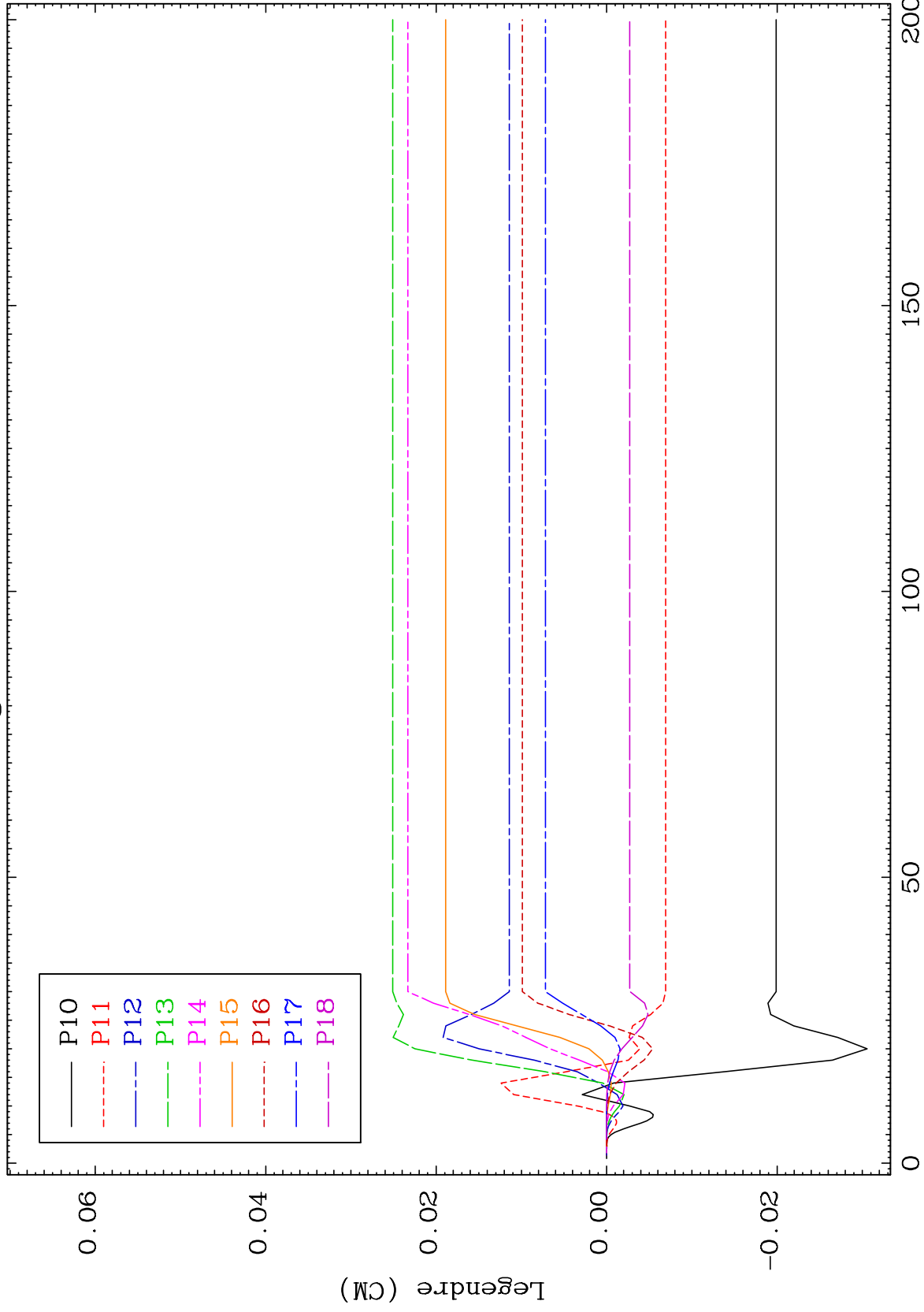
Incident Energy (MeV)

48

MAT 6516

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

65-Tb-156



49

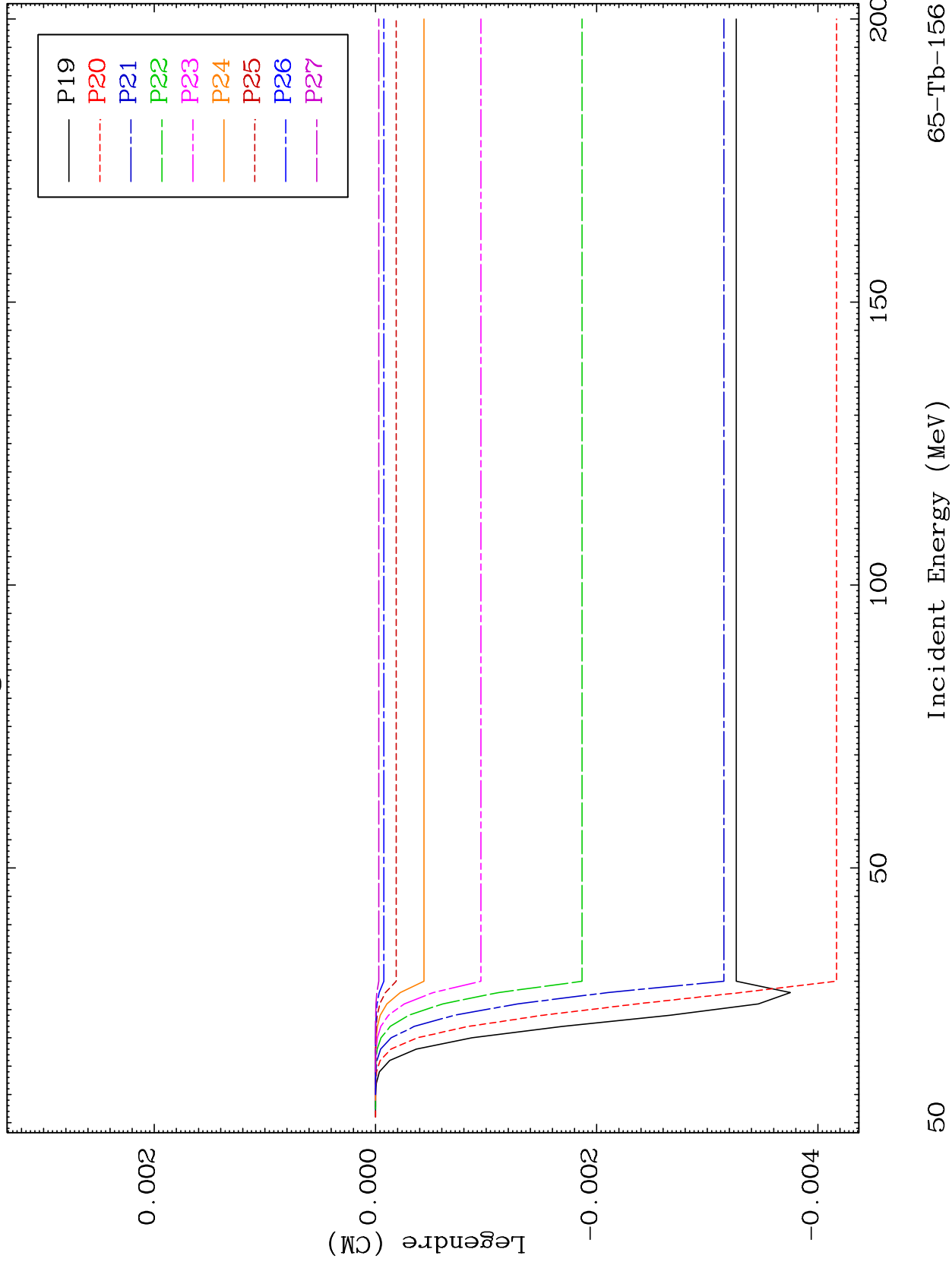
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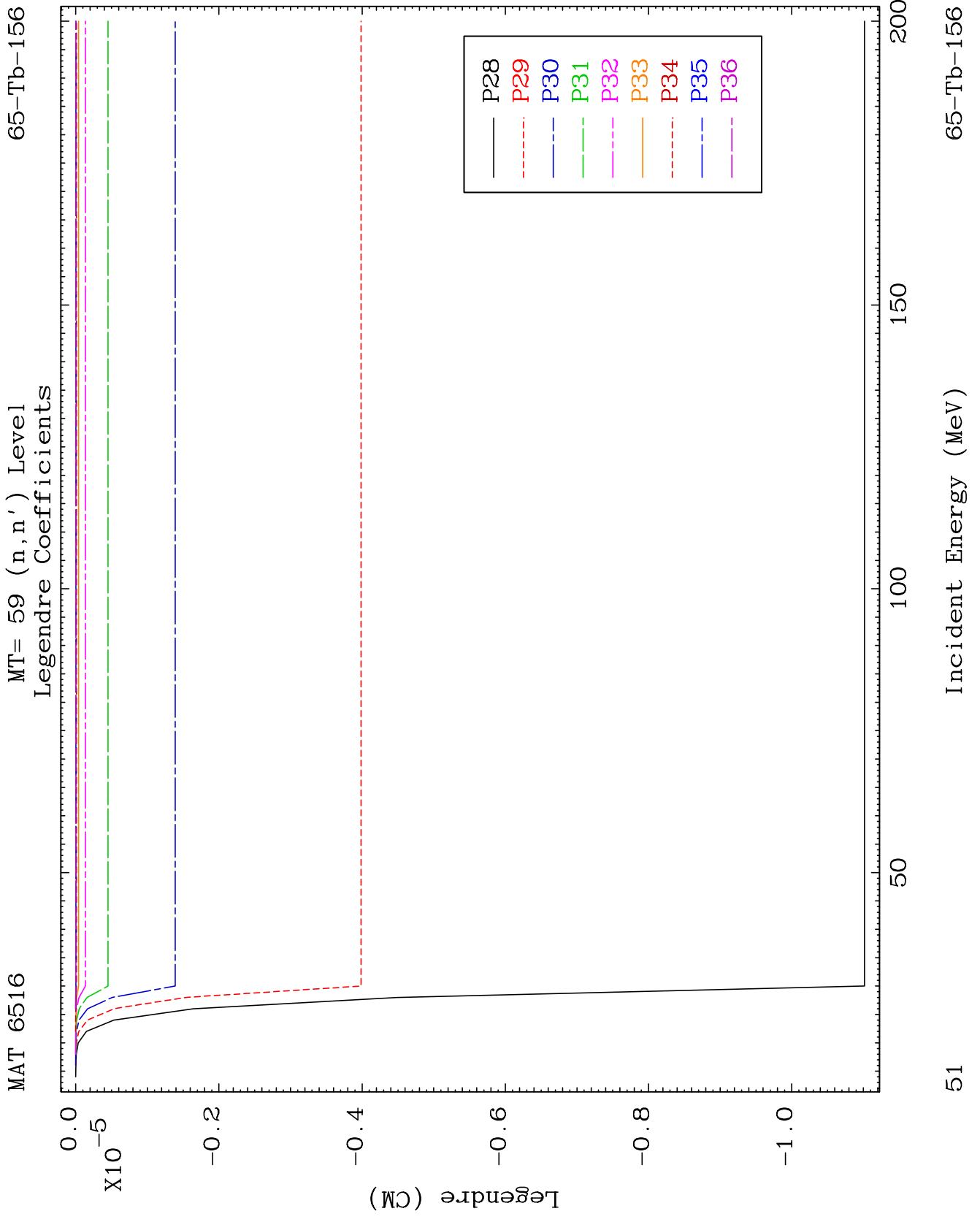
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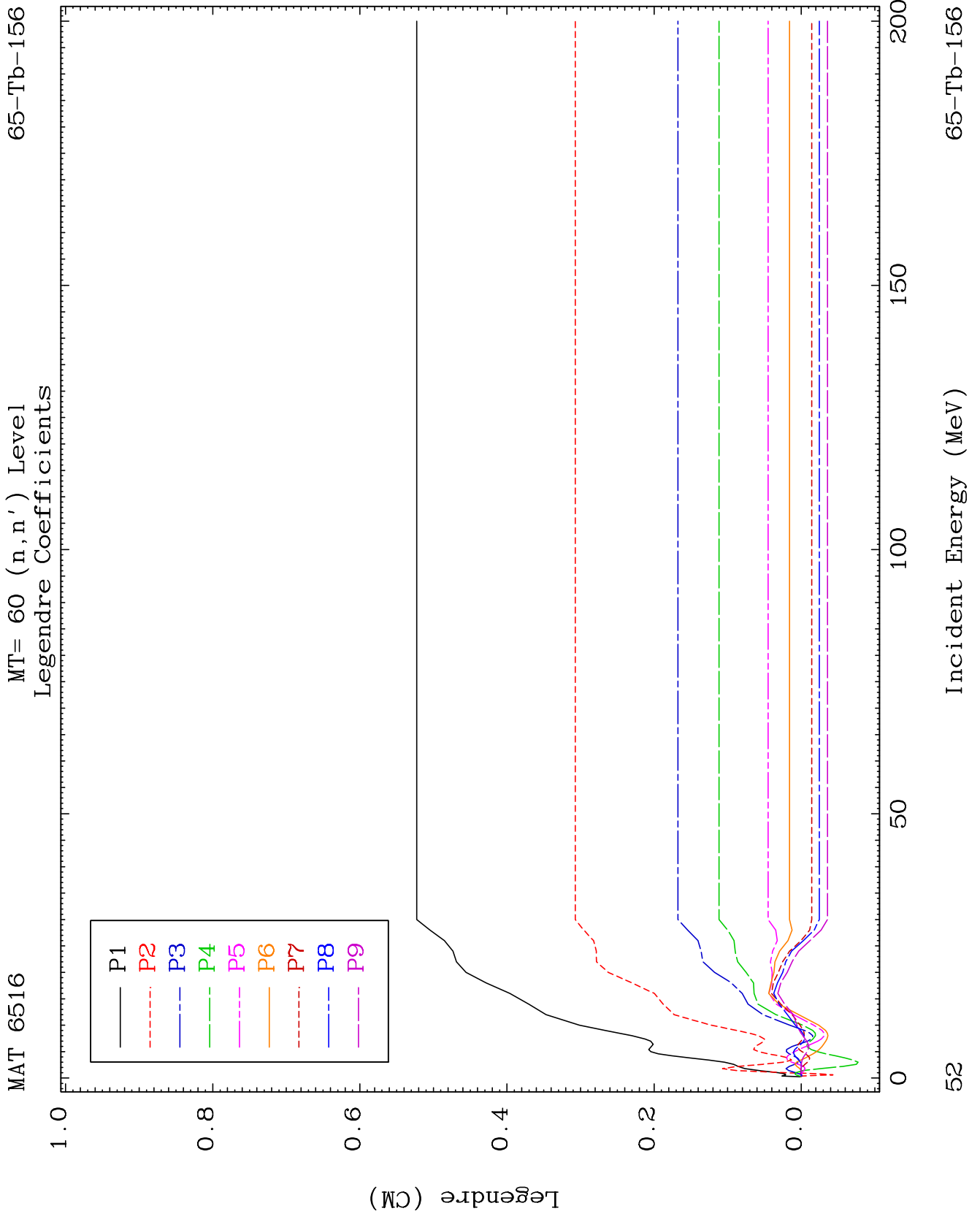
MAT 6516

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

65-Tb-156



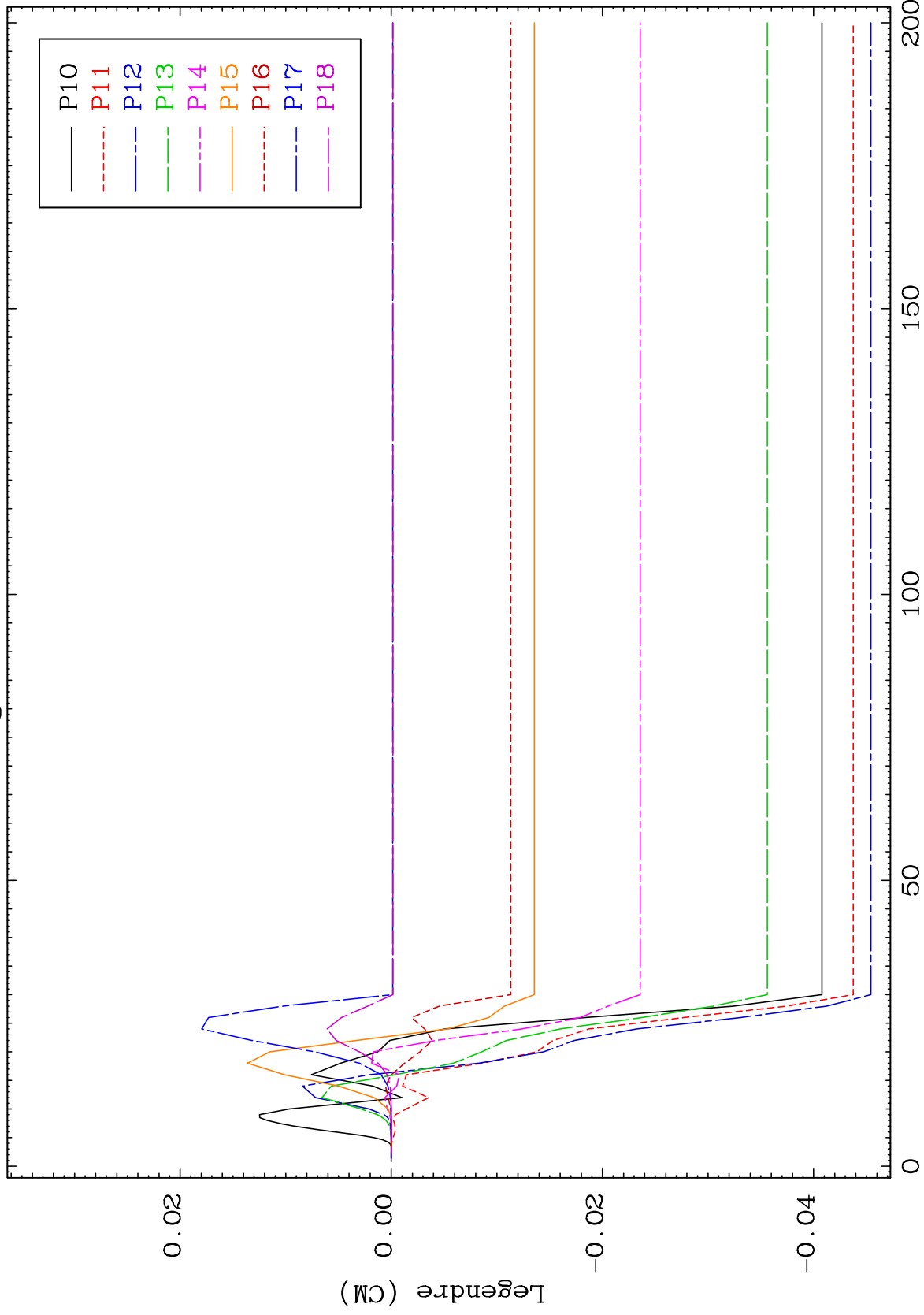




MAT 6516

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

65-Tb-156



53

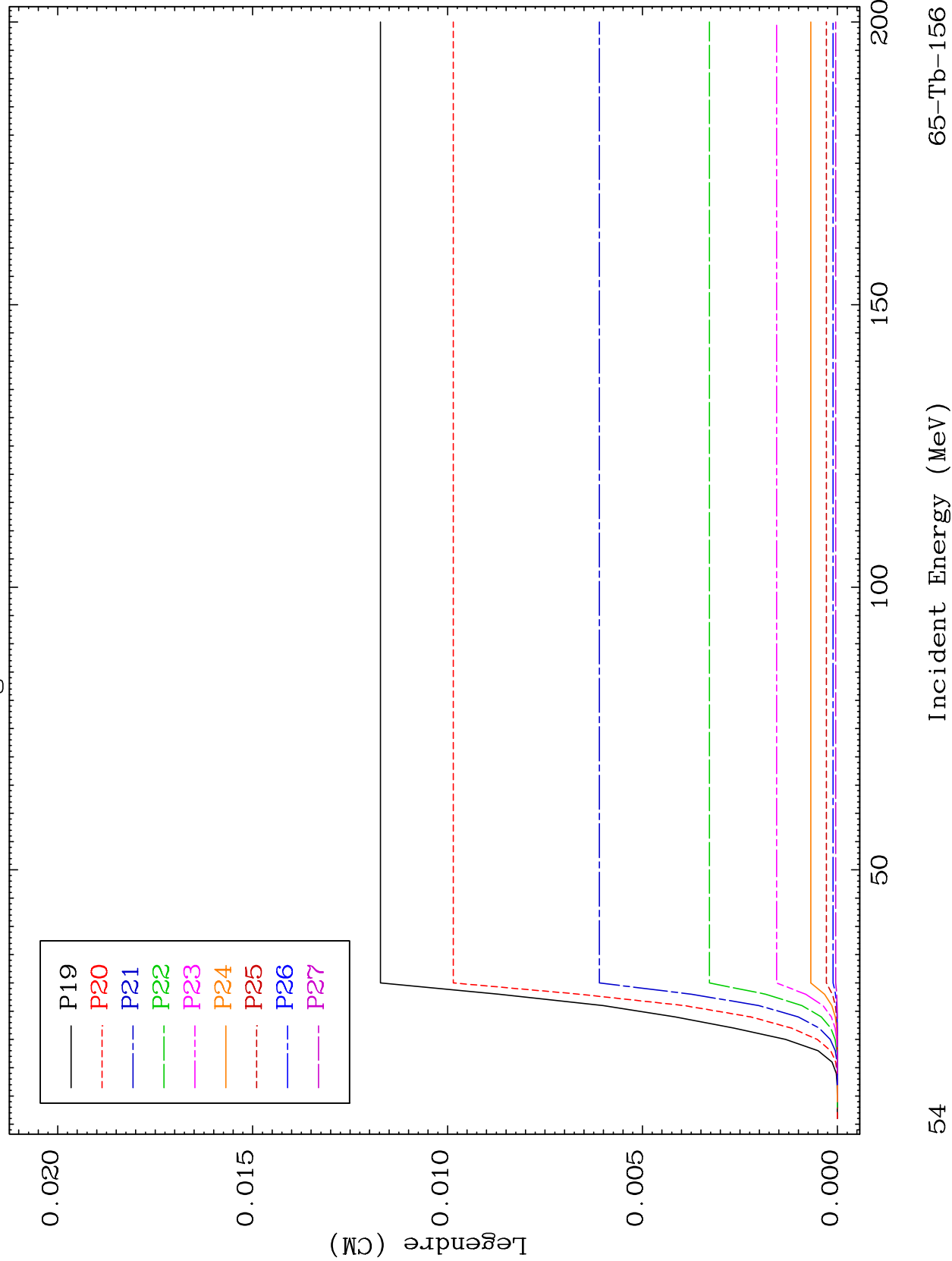
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156



54

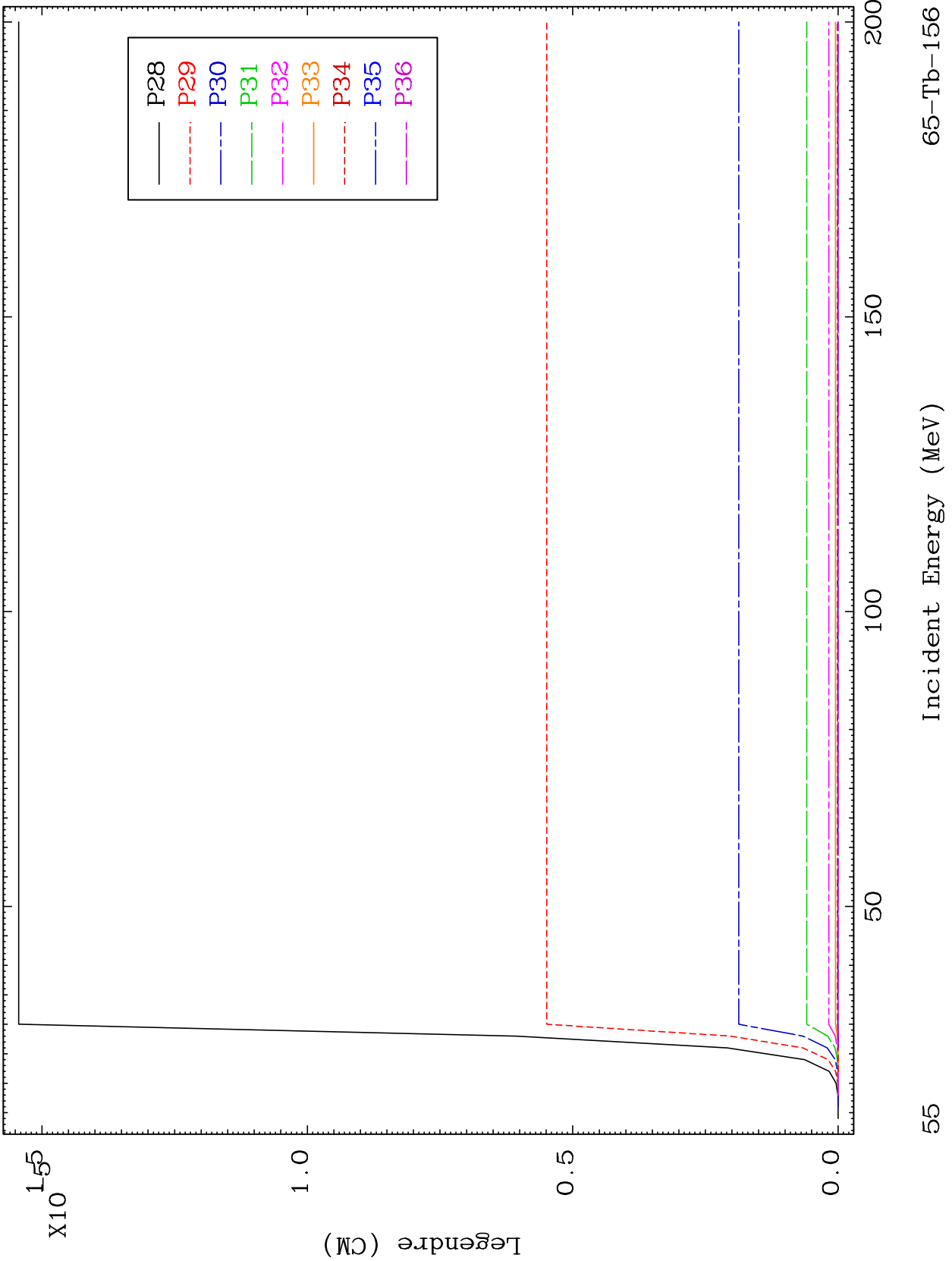
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156



65-Tb-156

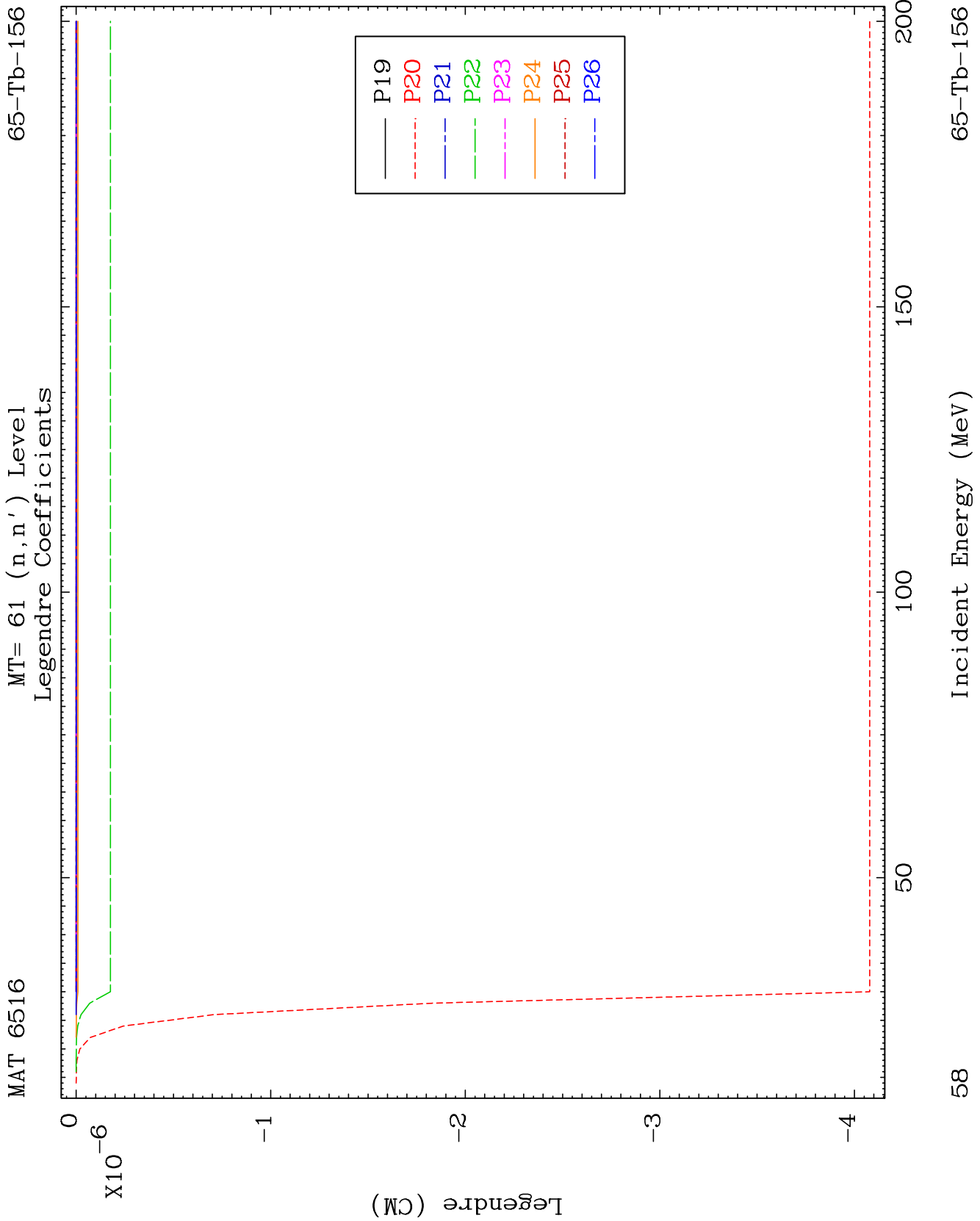
Incident Energy (MeV)

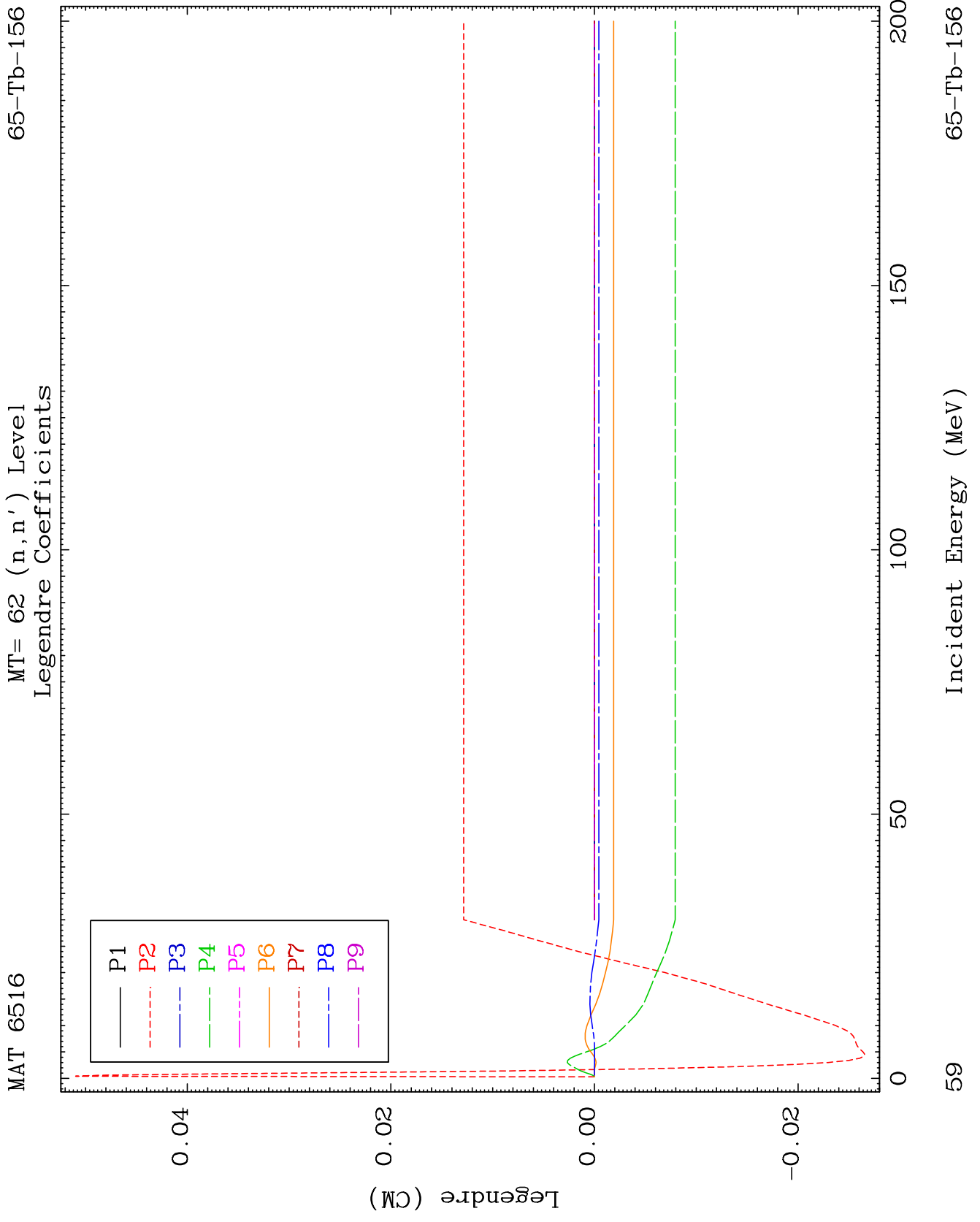
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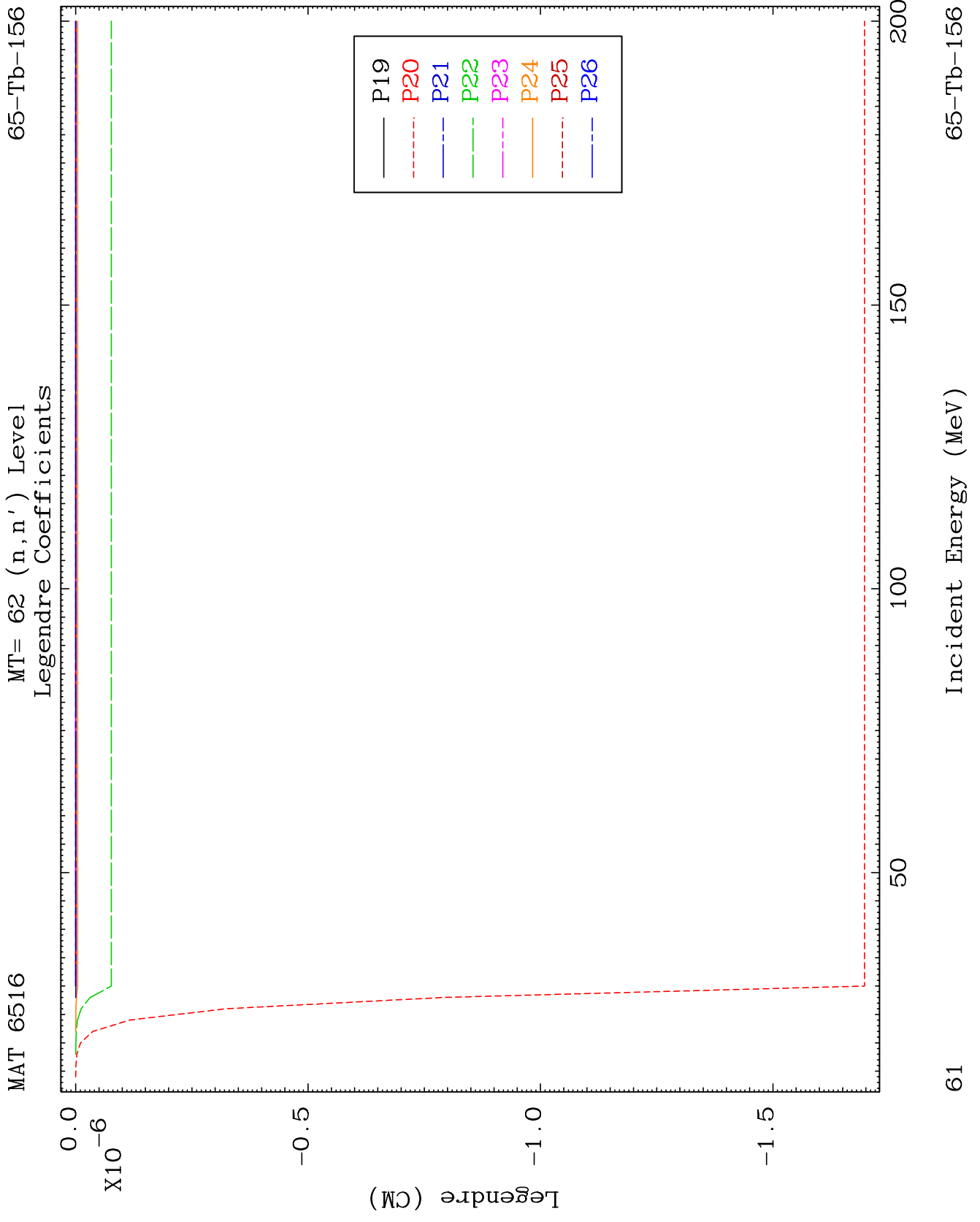










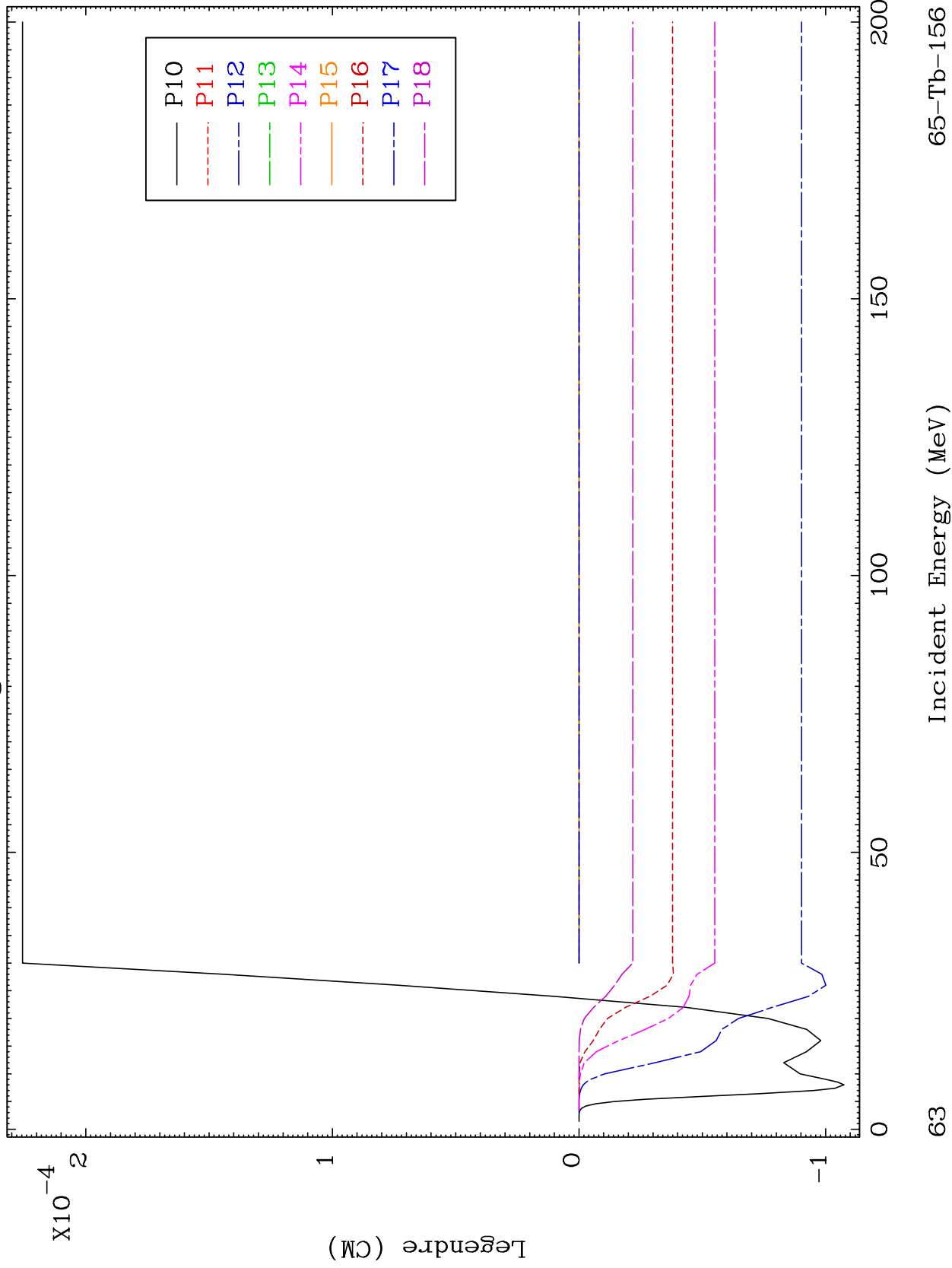




MAT 6516

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

65-Tb-156

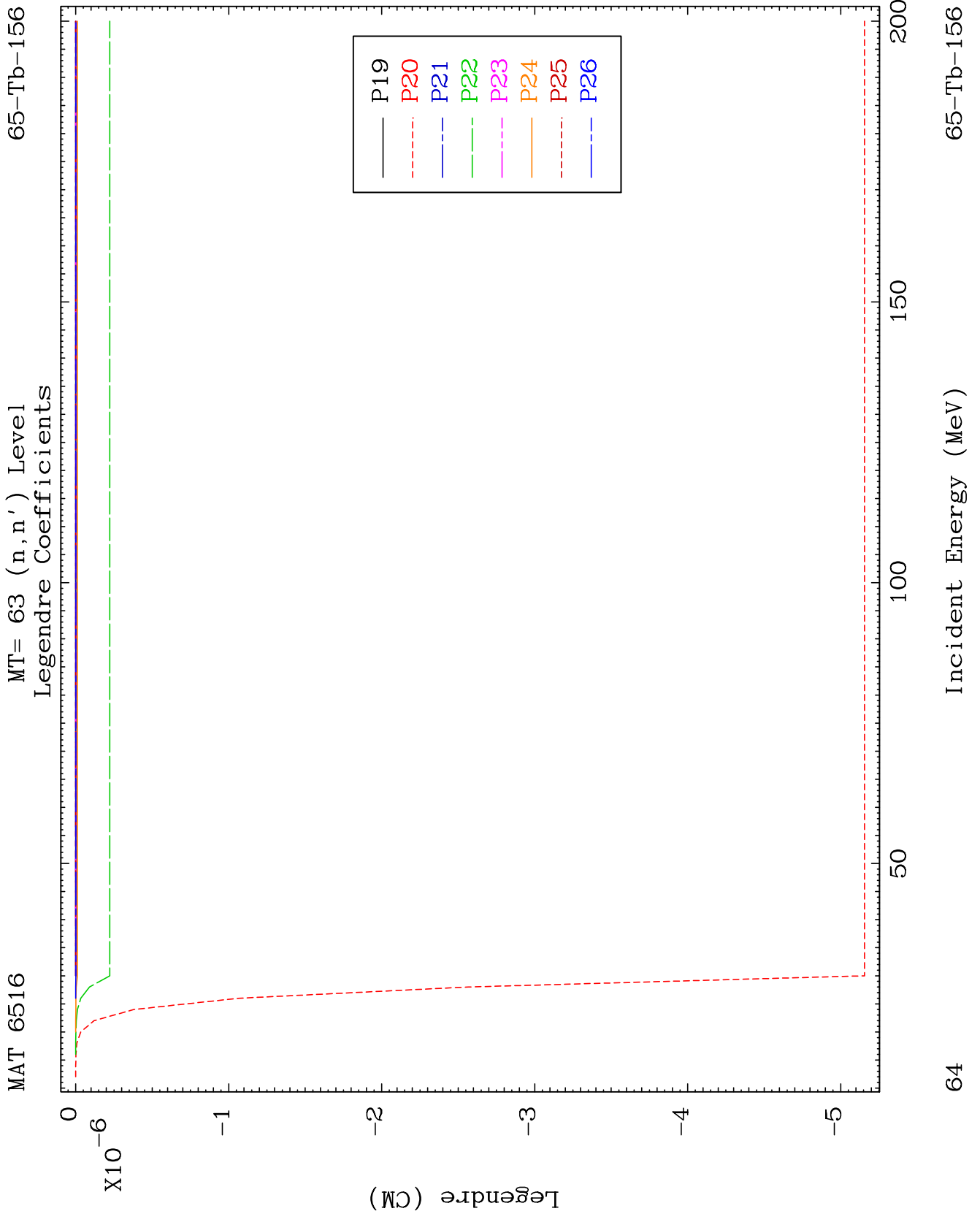


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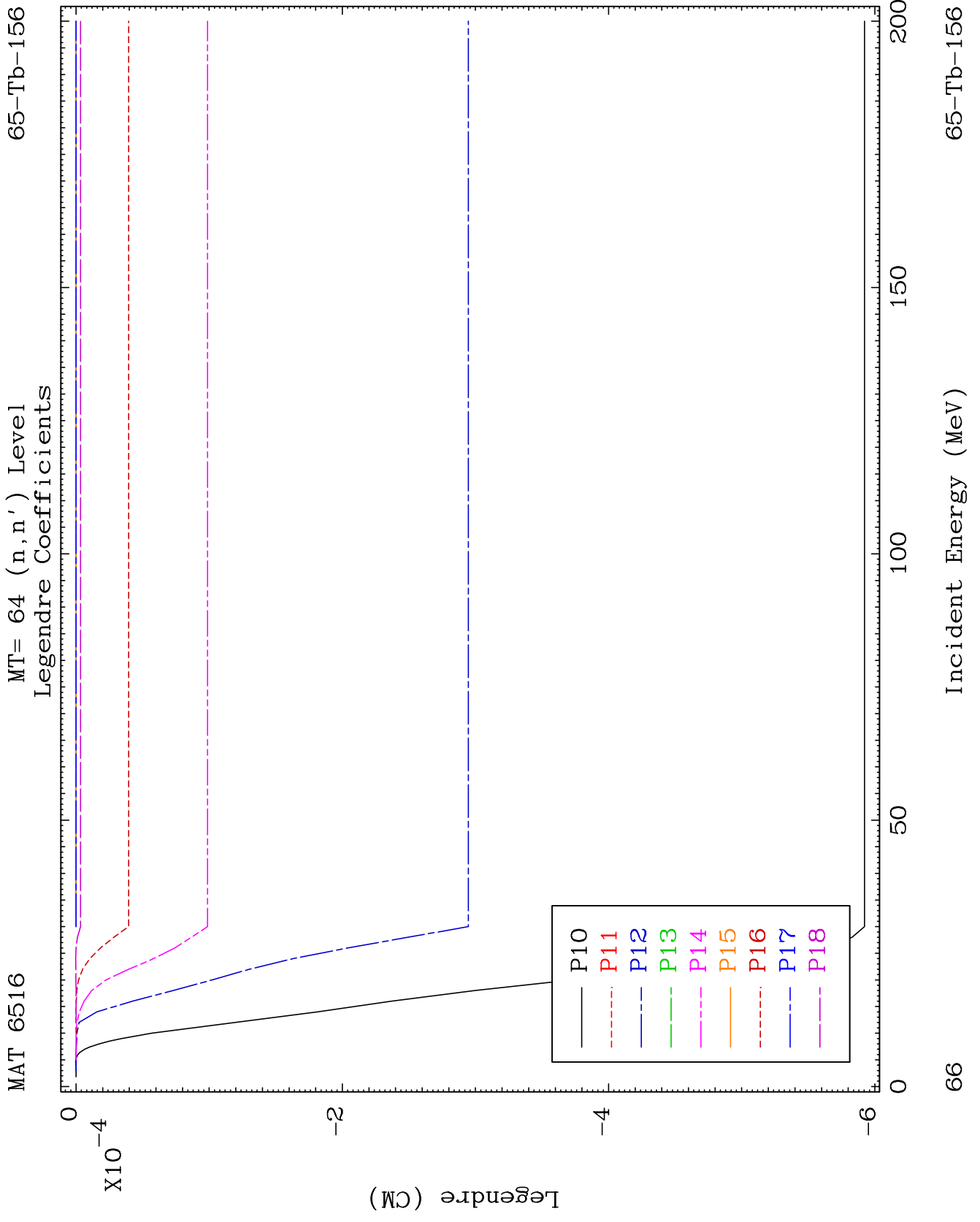
Incident Energy (MeV)

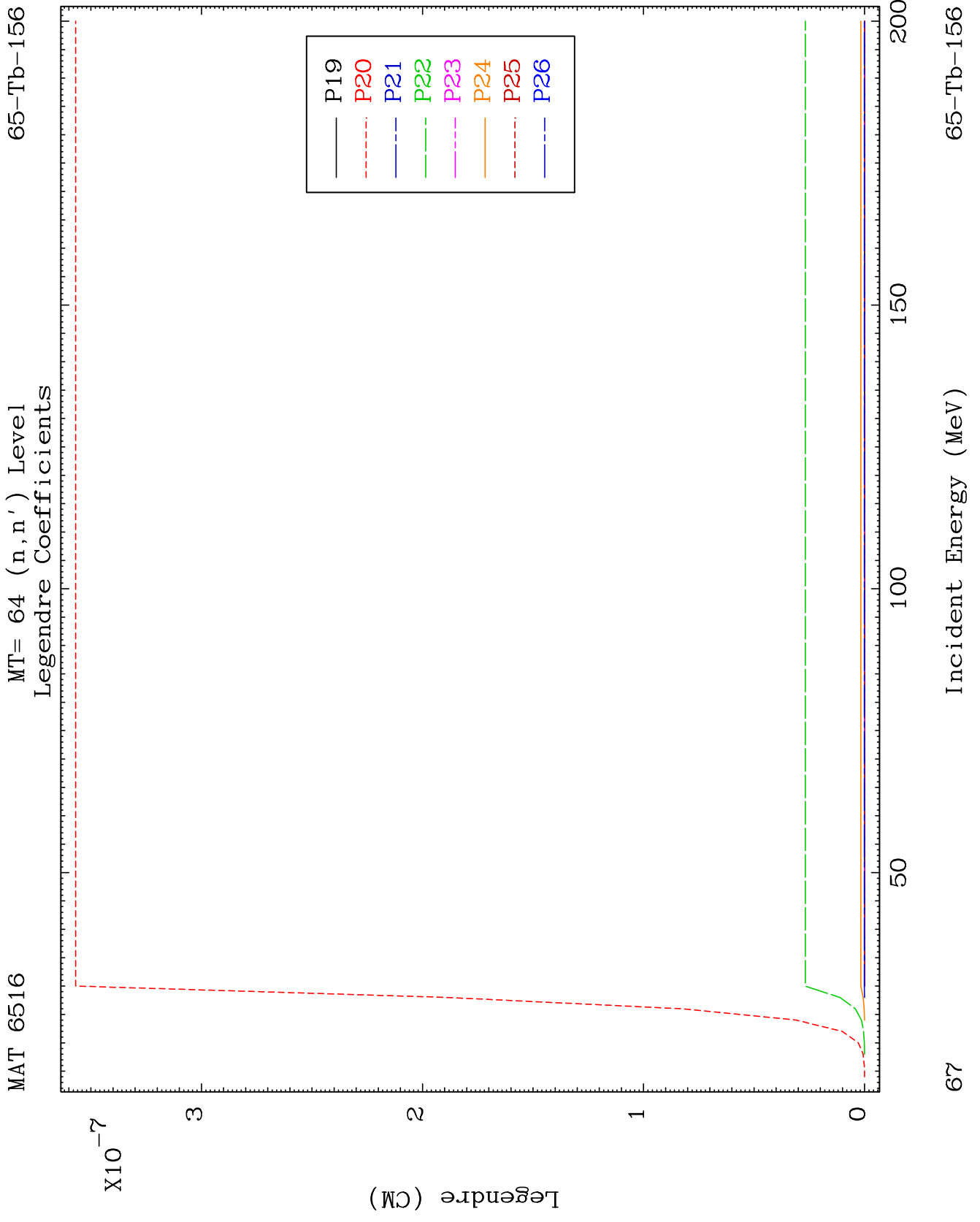
63



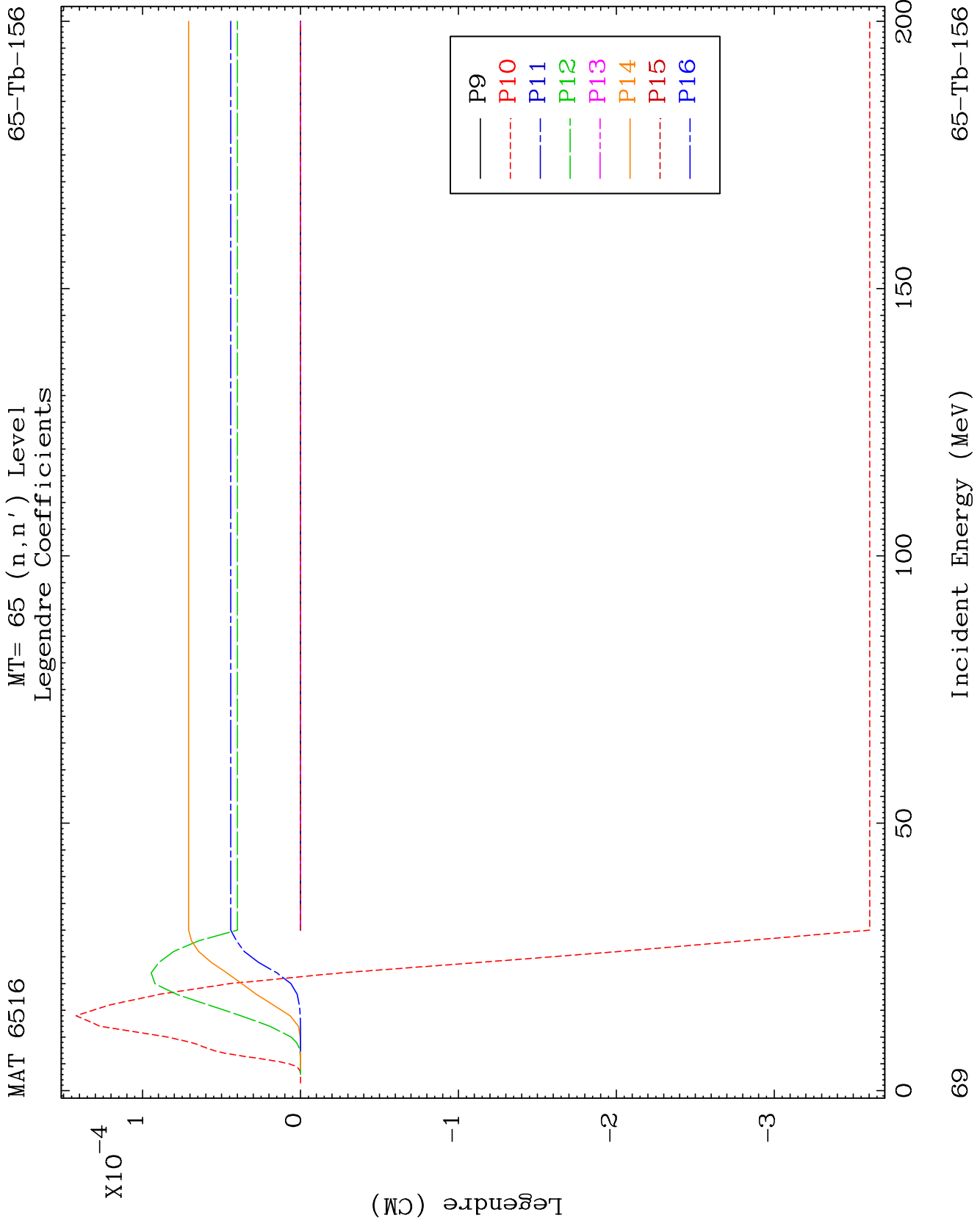


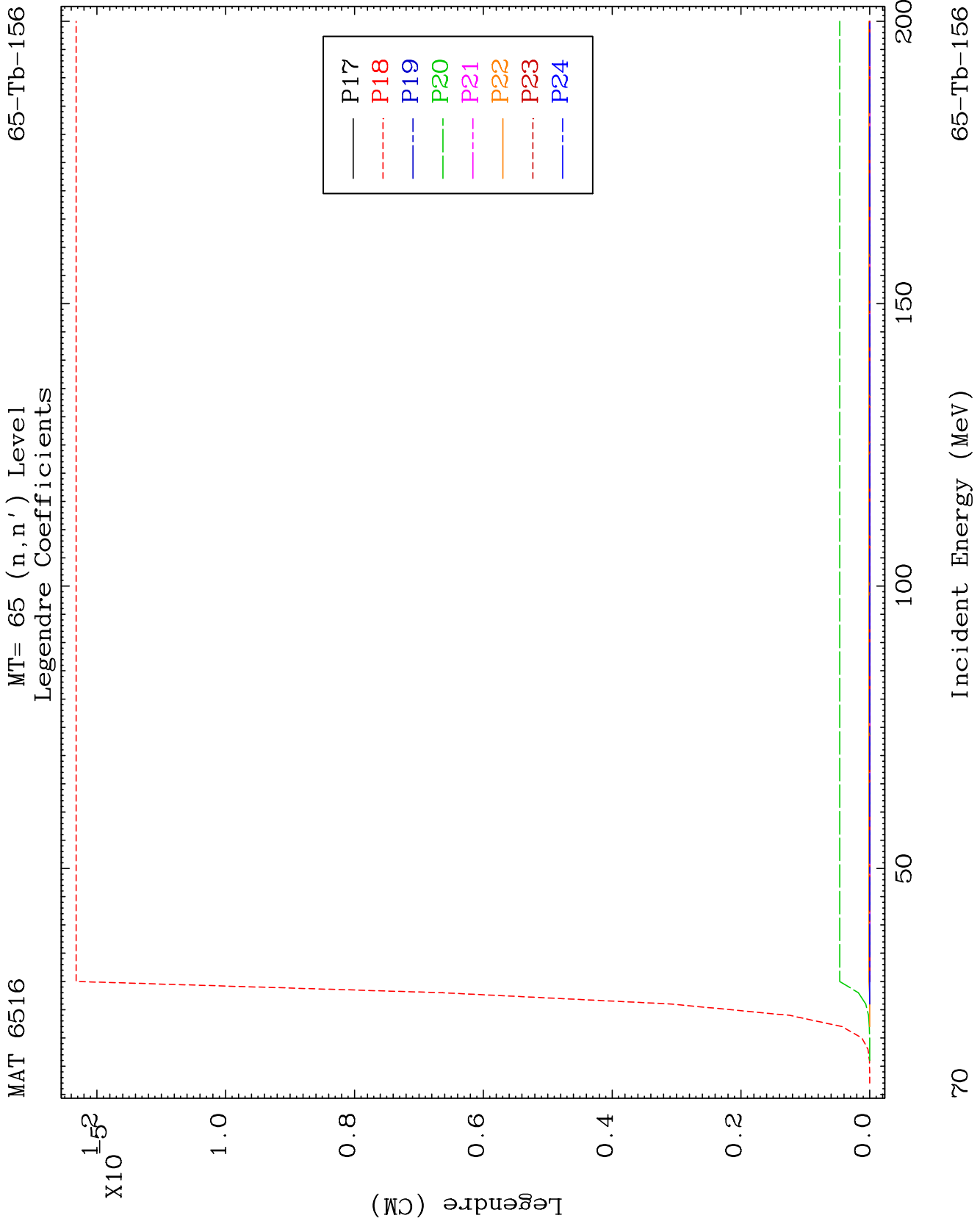






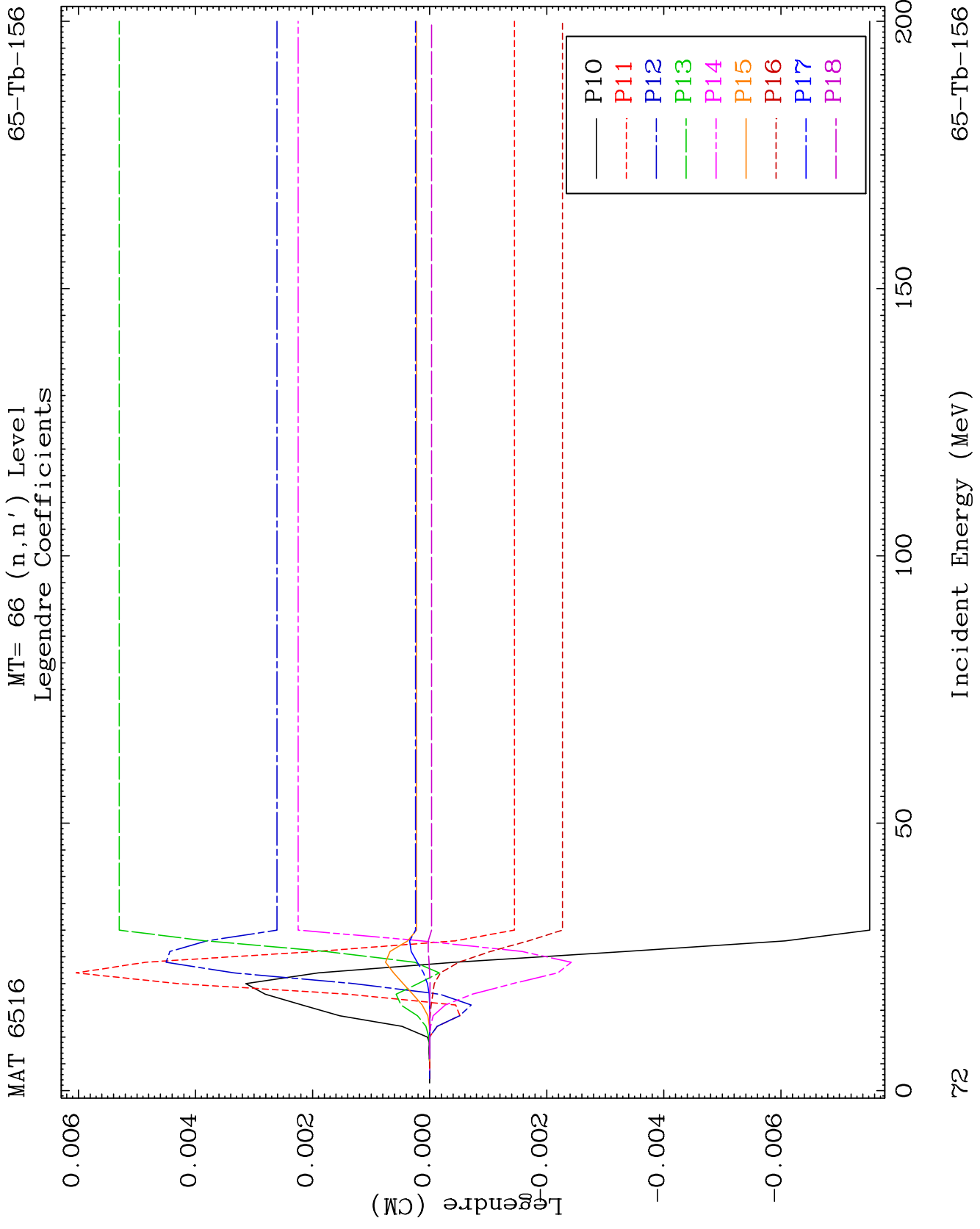








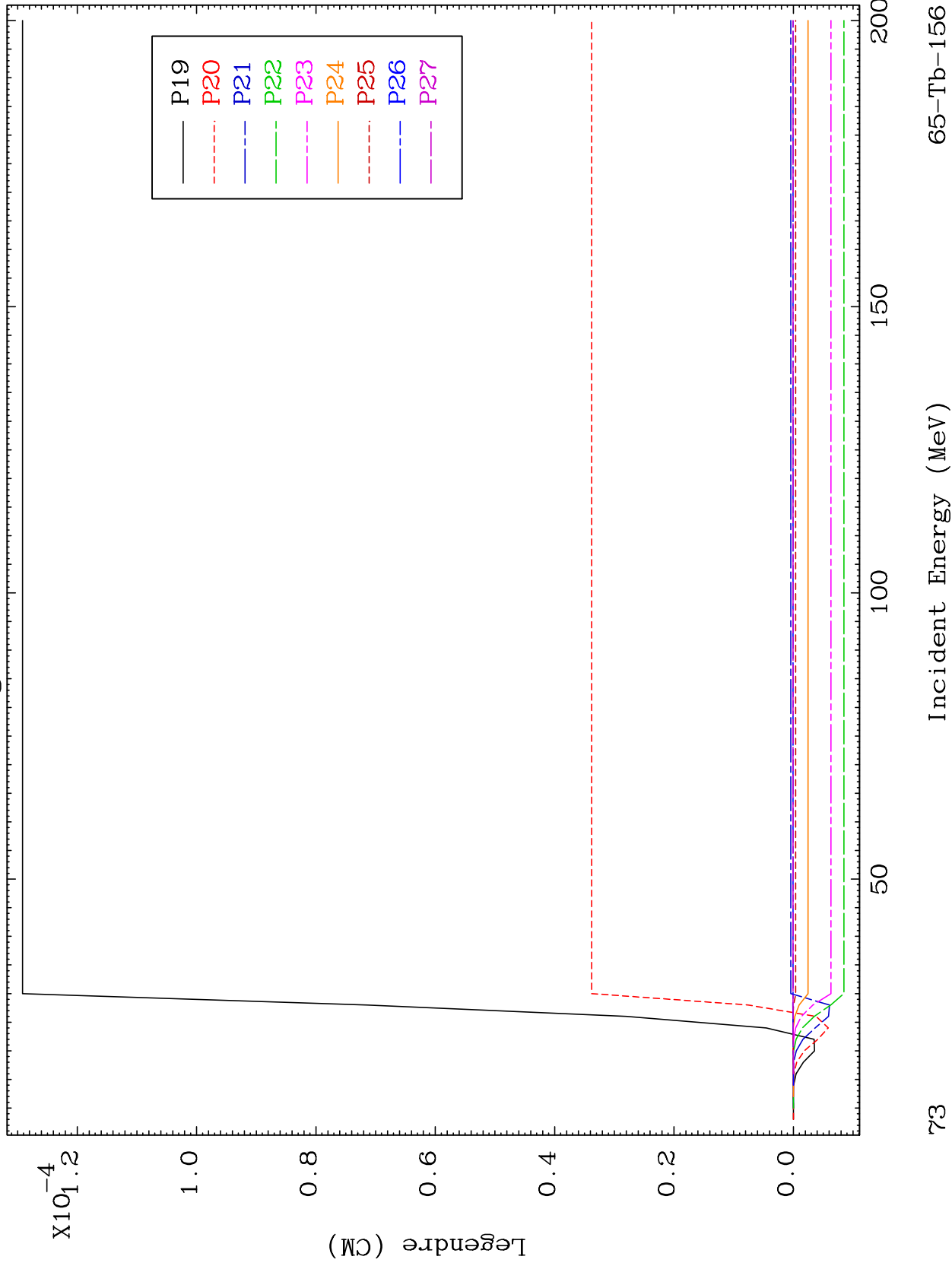




MAT 6516

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

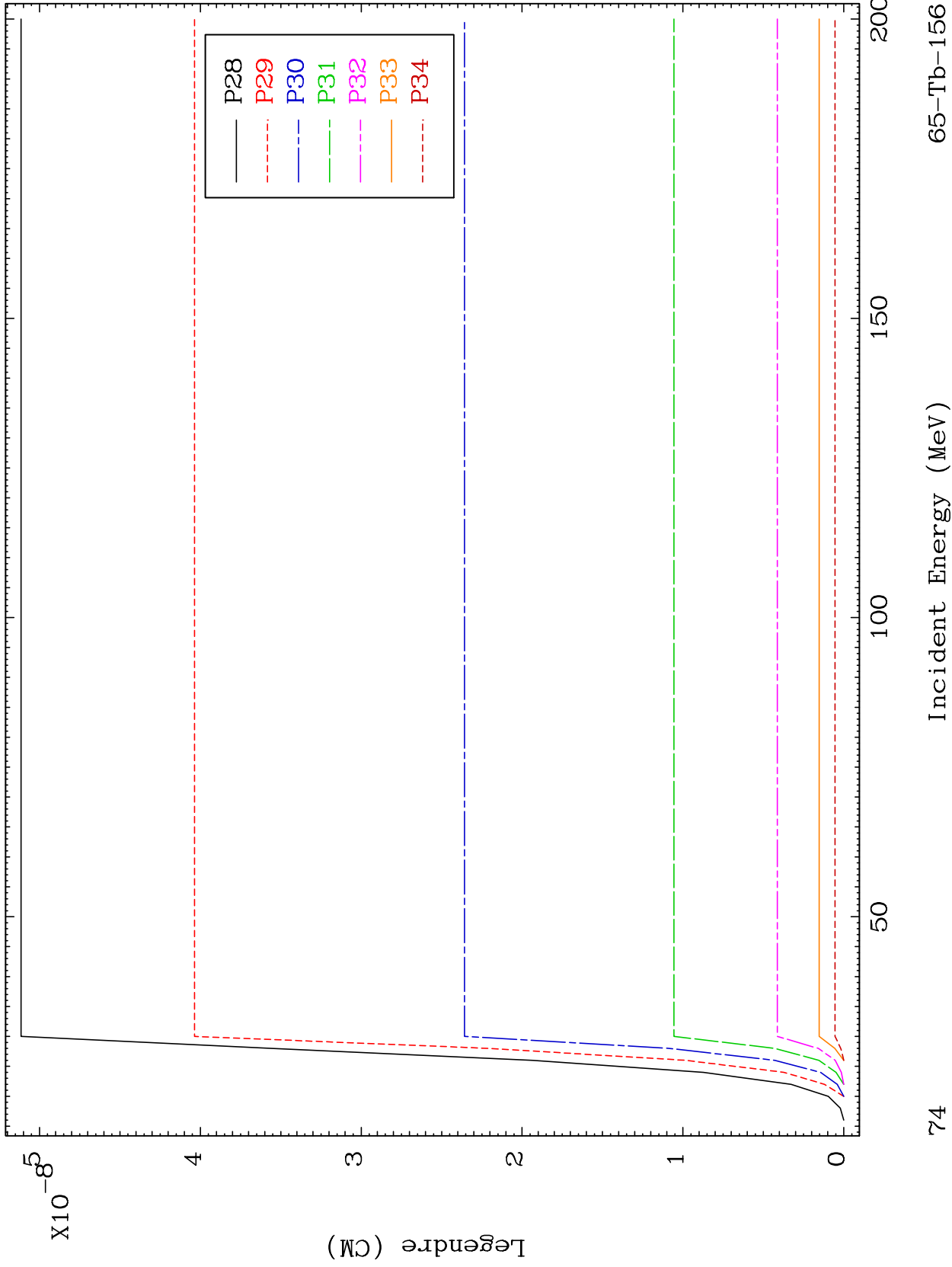
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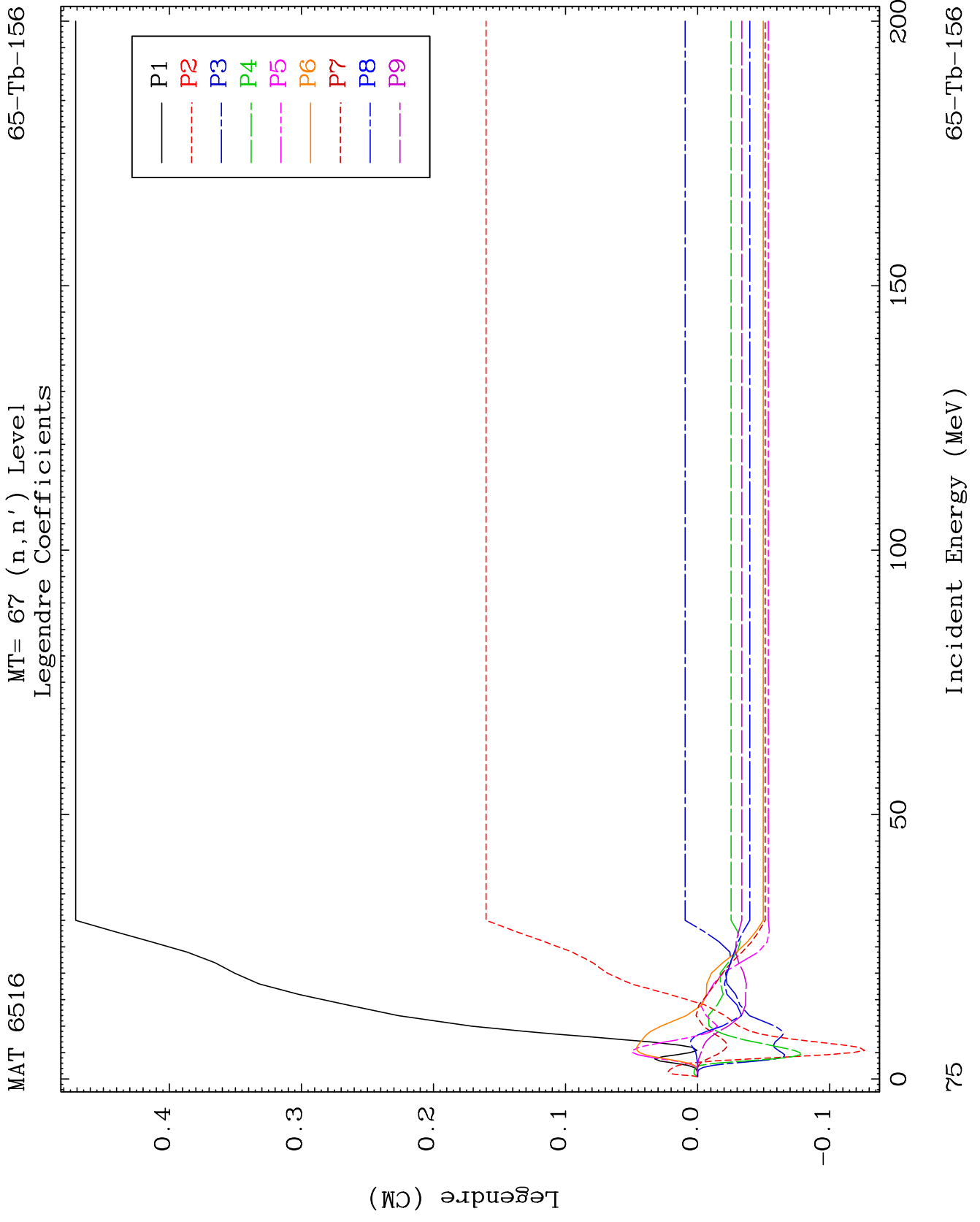


MAT 6516

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

65-Tb-156

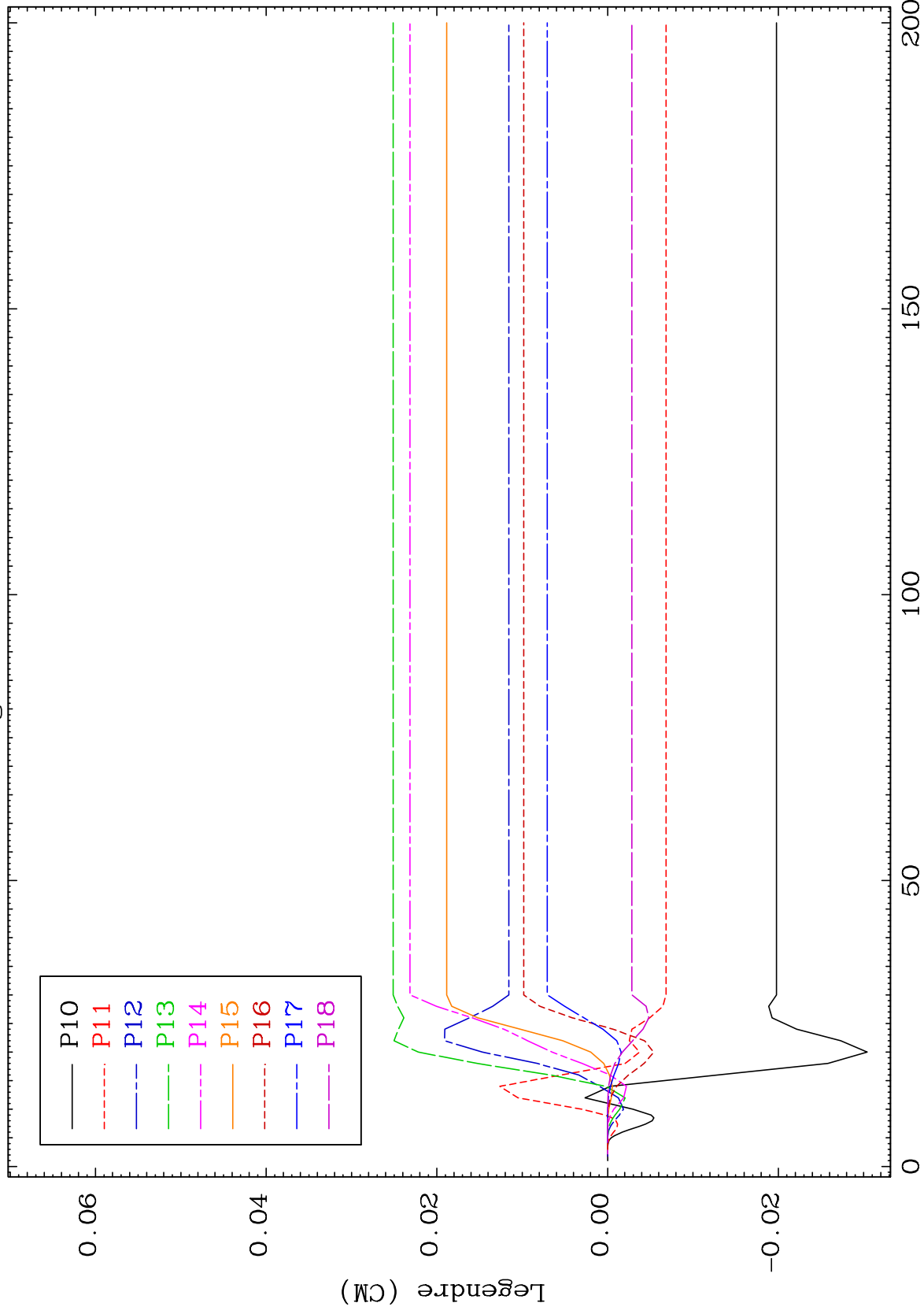




MAT 6516

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

65-Tb-156



76

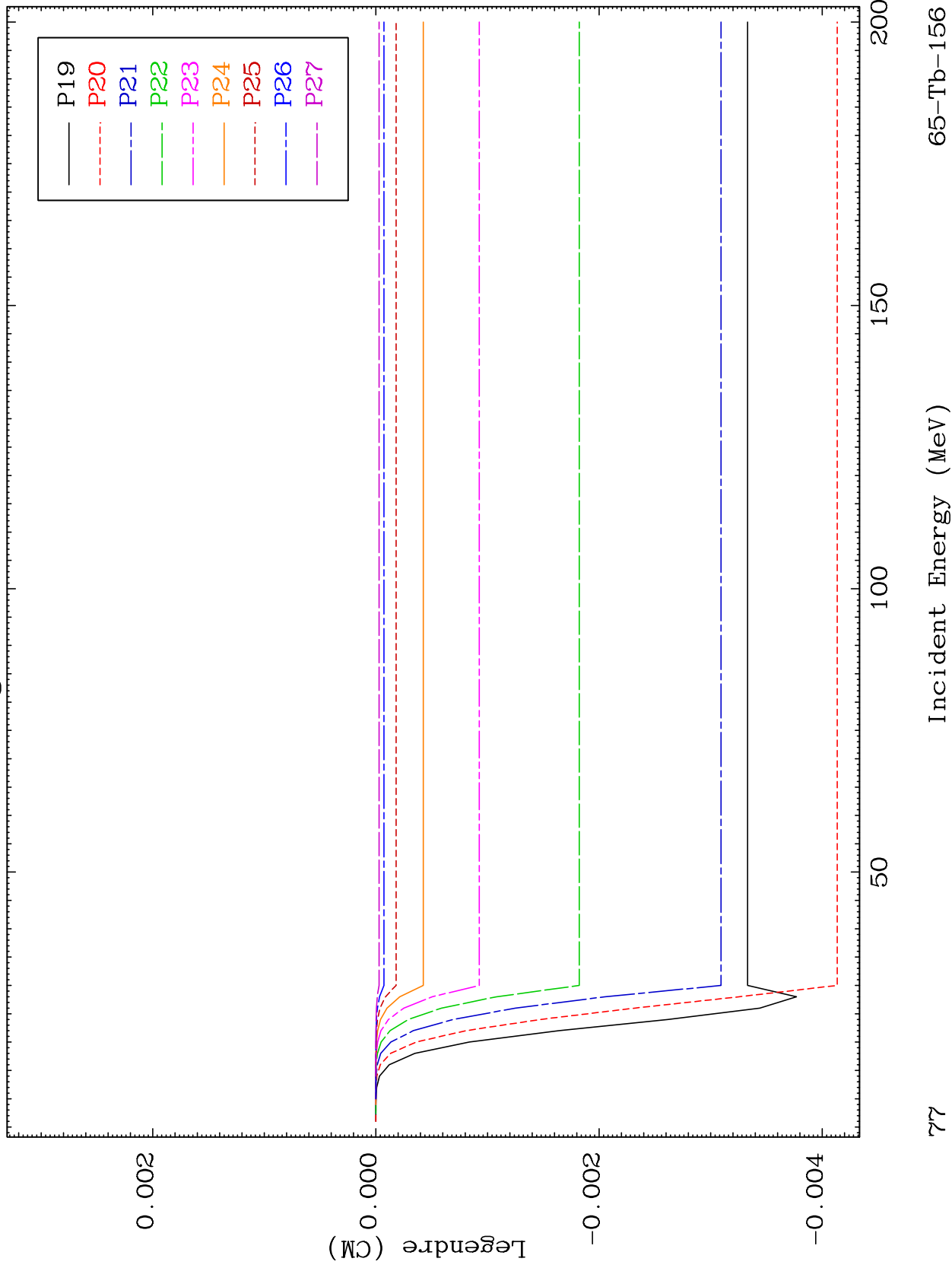
Incident Energy (MeV)

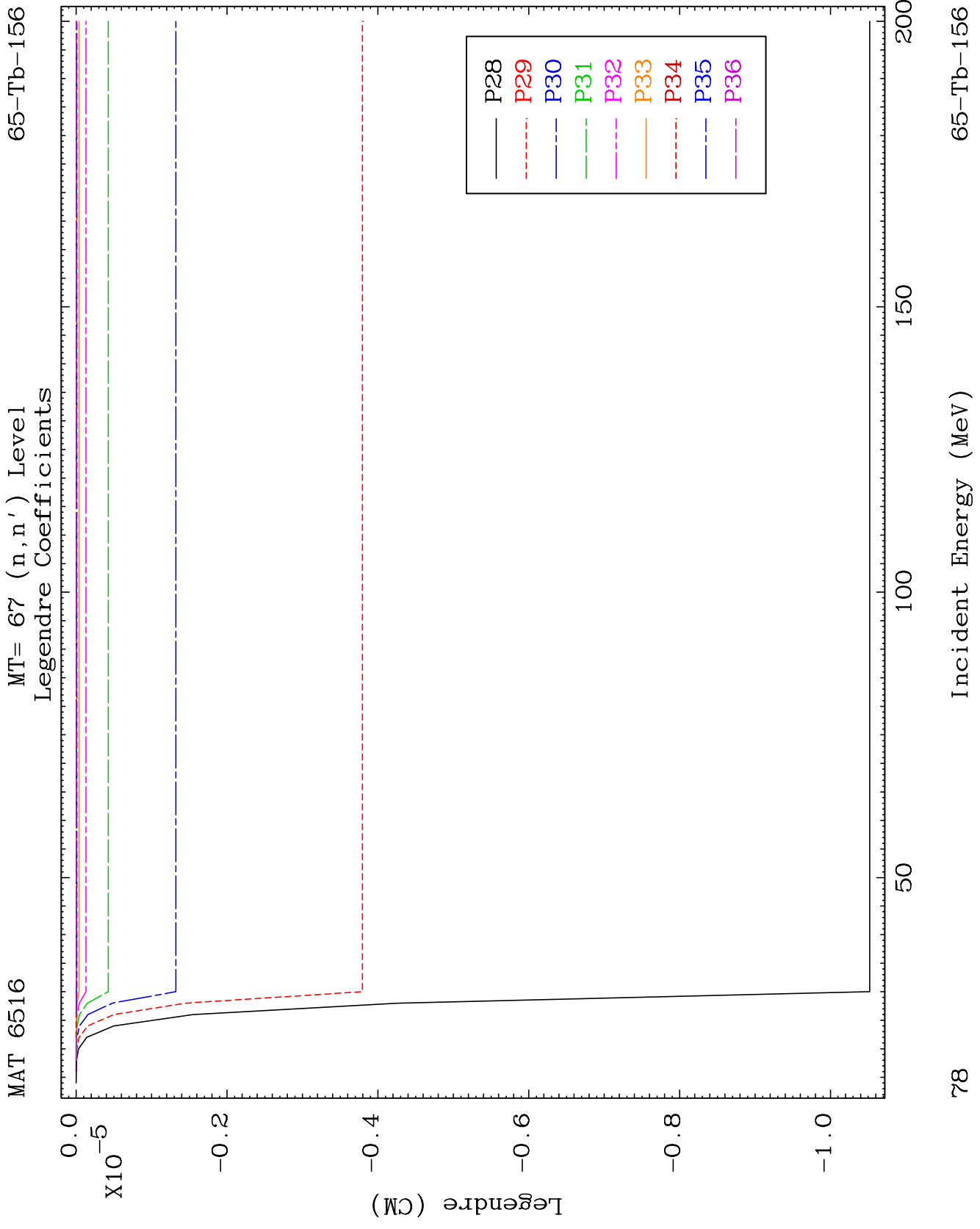
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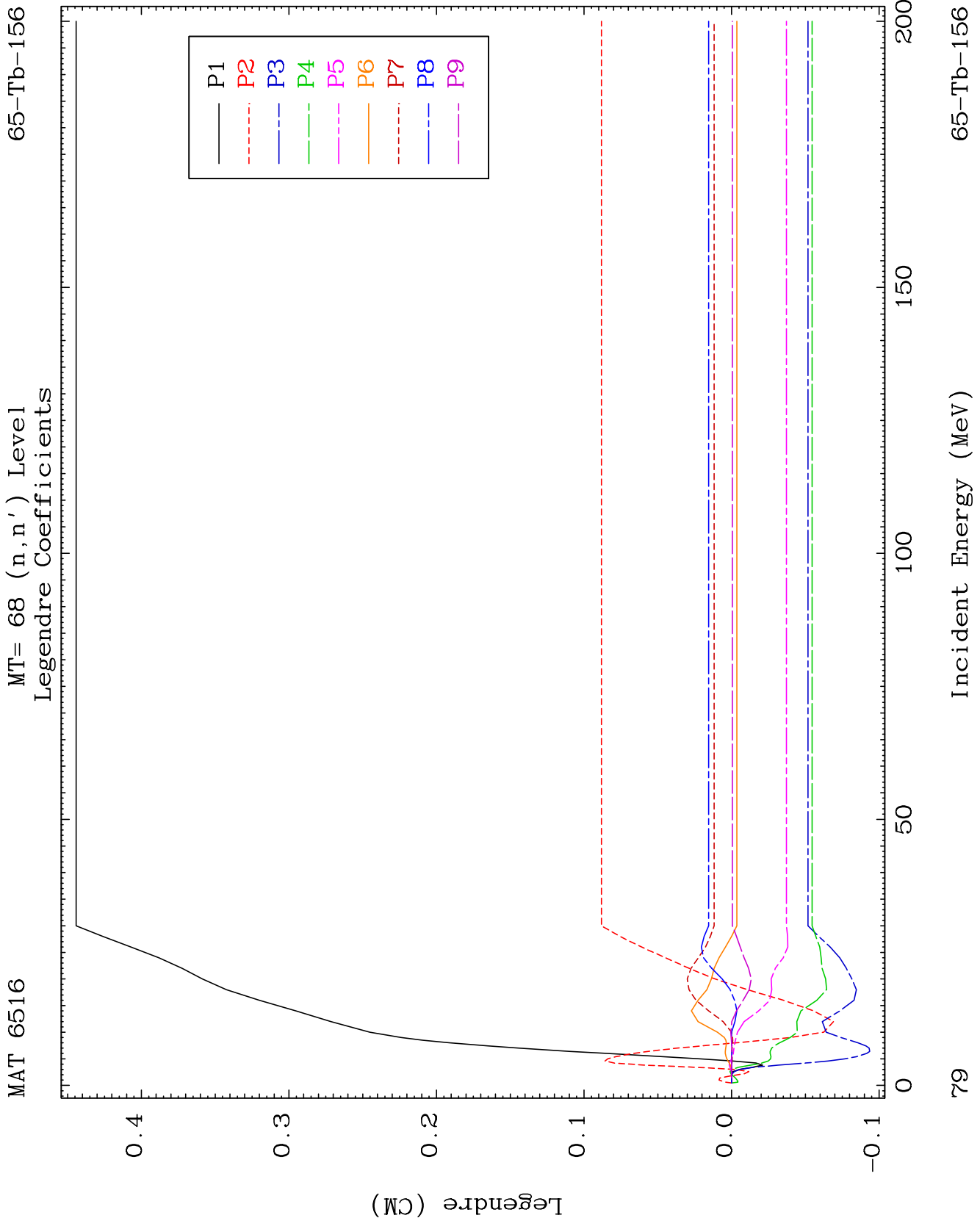
MAT 6516

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

65-Tb-156





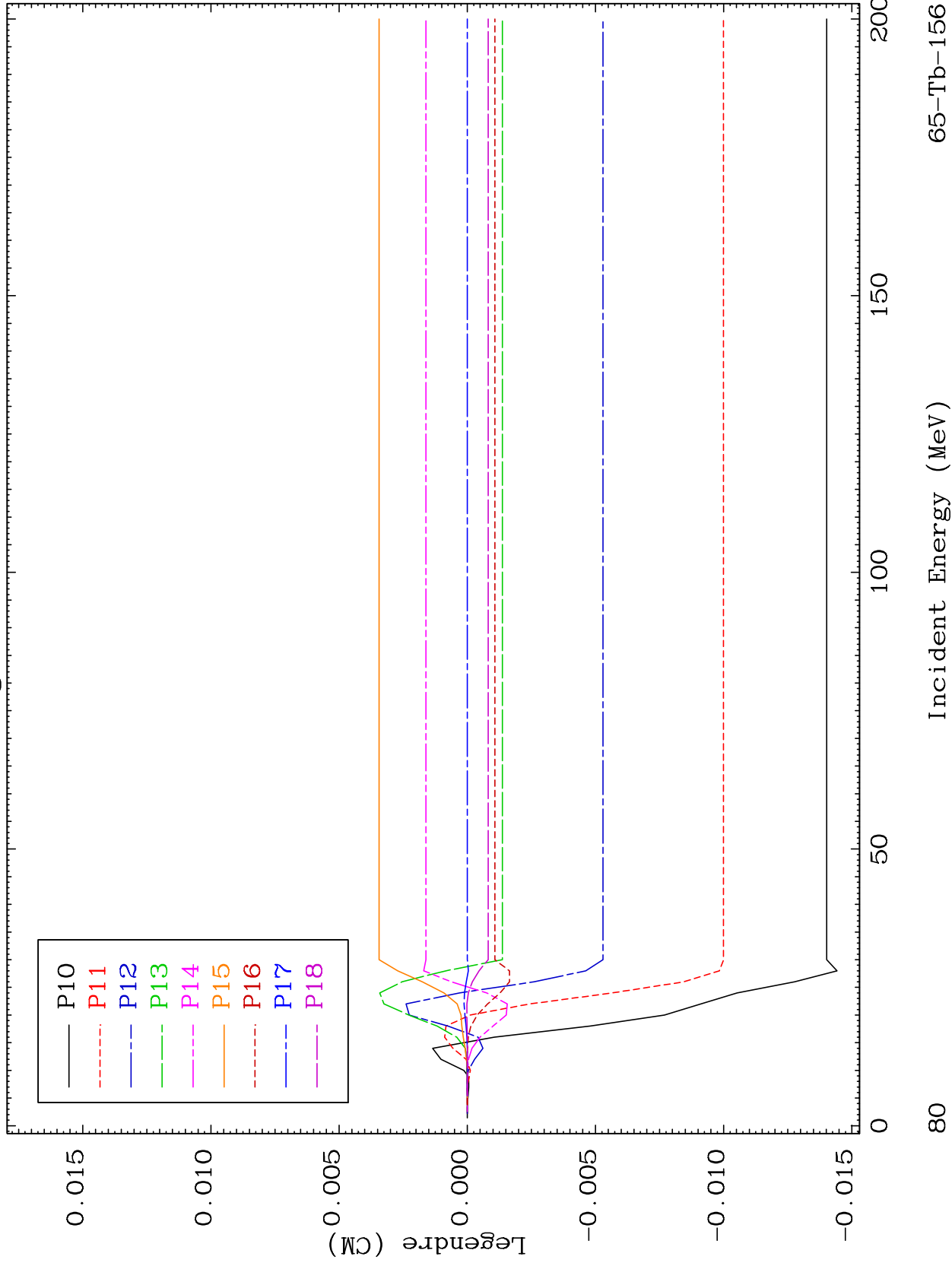




MAT 6516

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

65-Tb-156



65-Tb-156

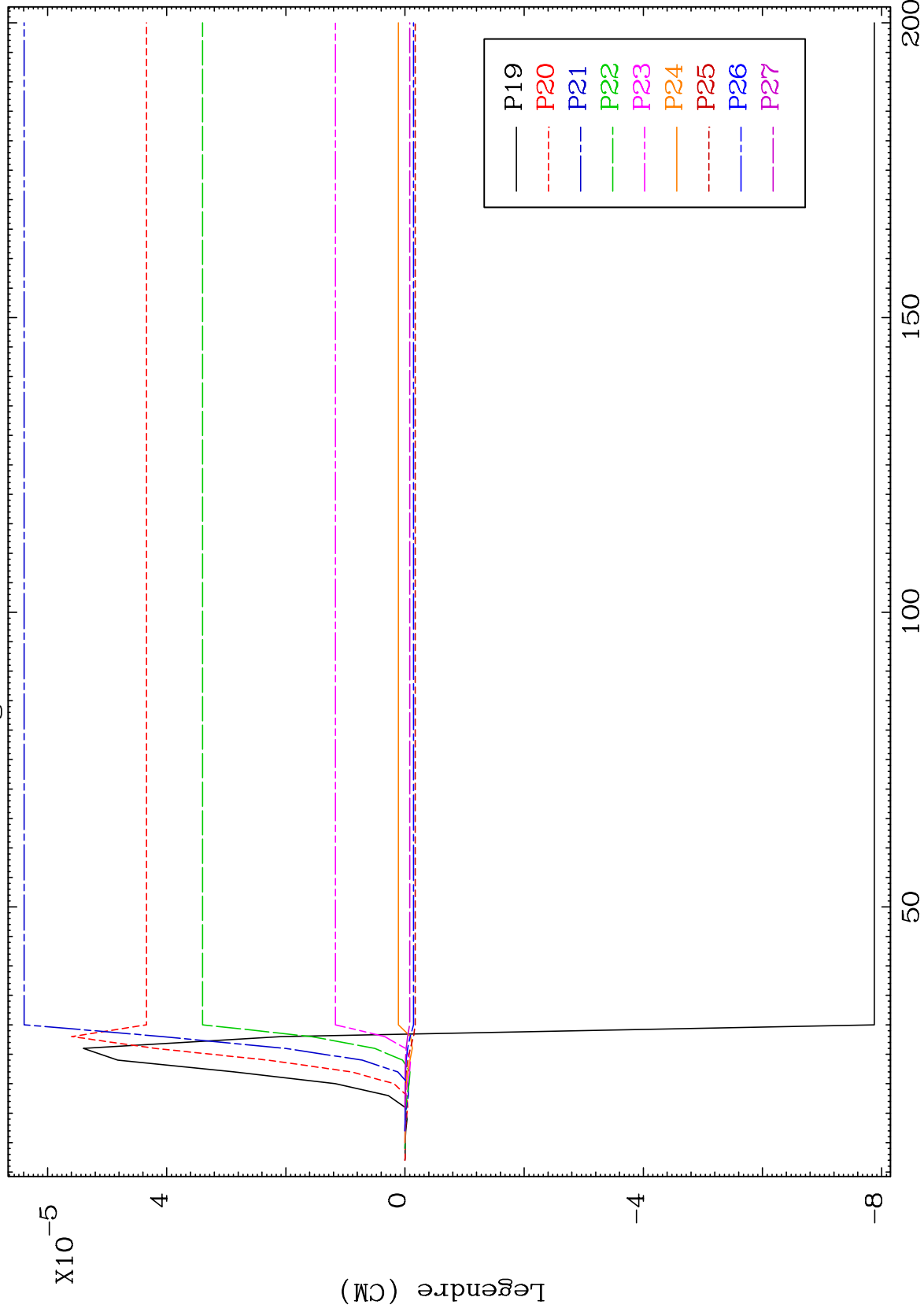
Incident Energy (MeV)

80

MAT 6516

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

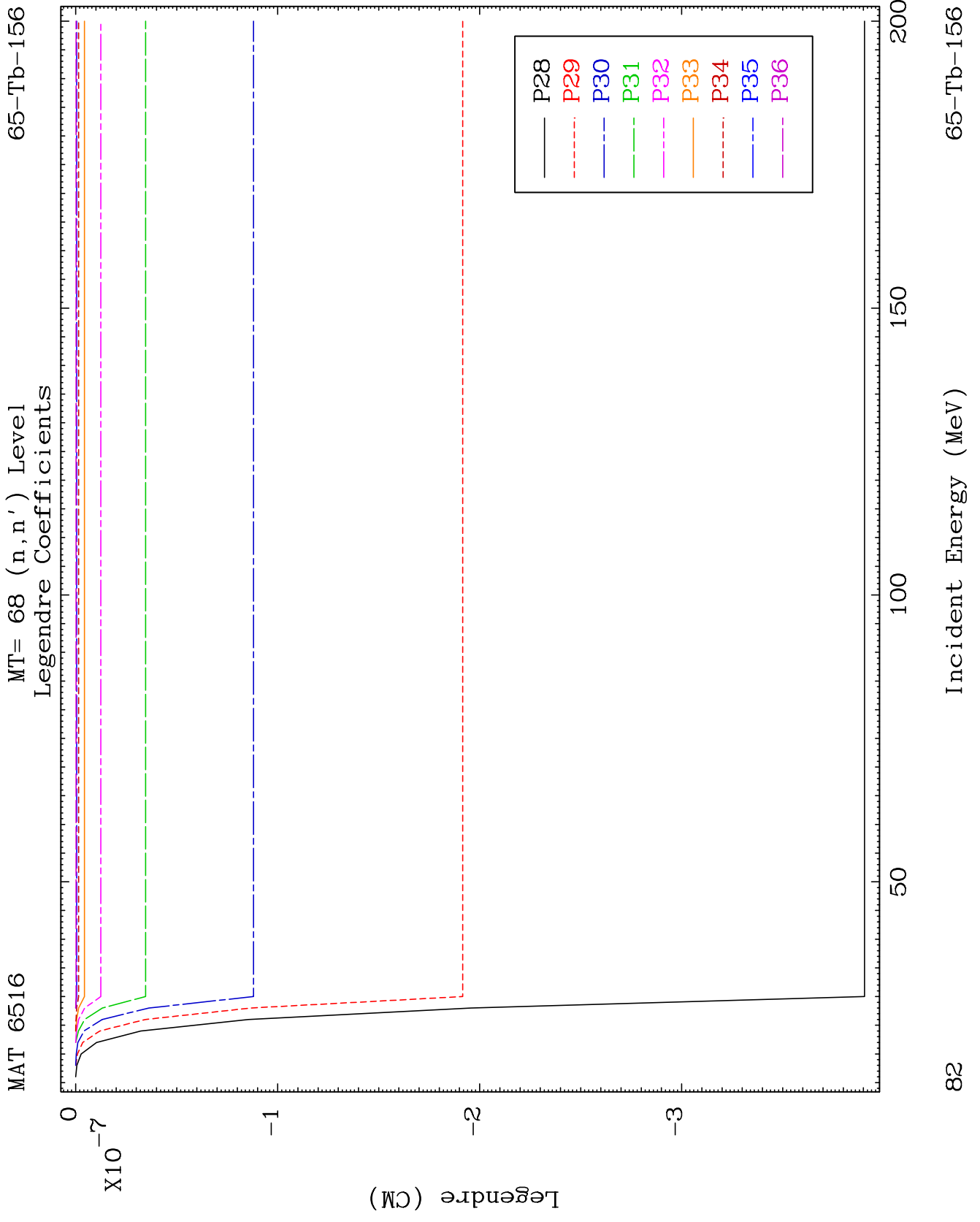
65-Tb-156

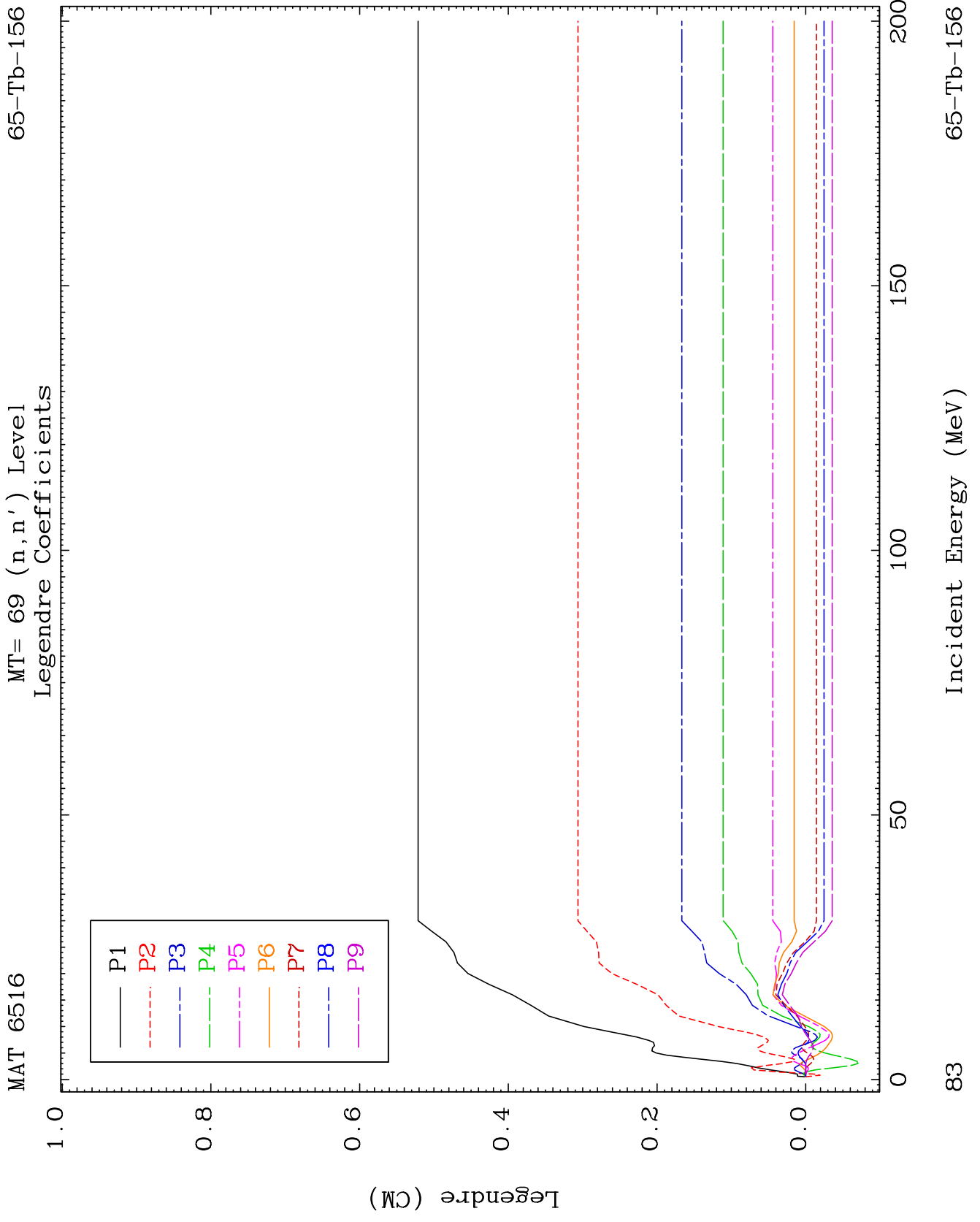


81

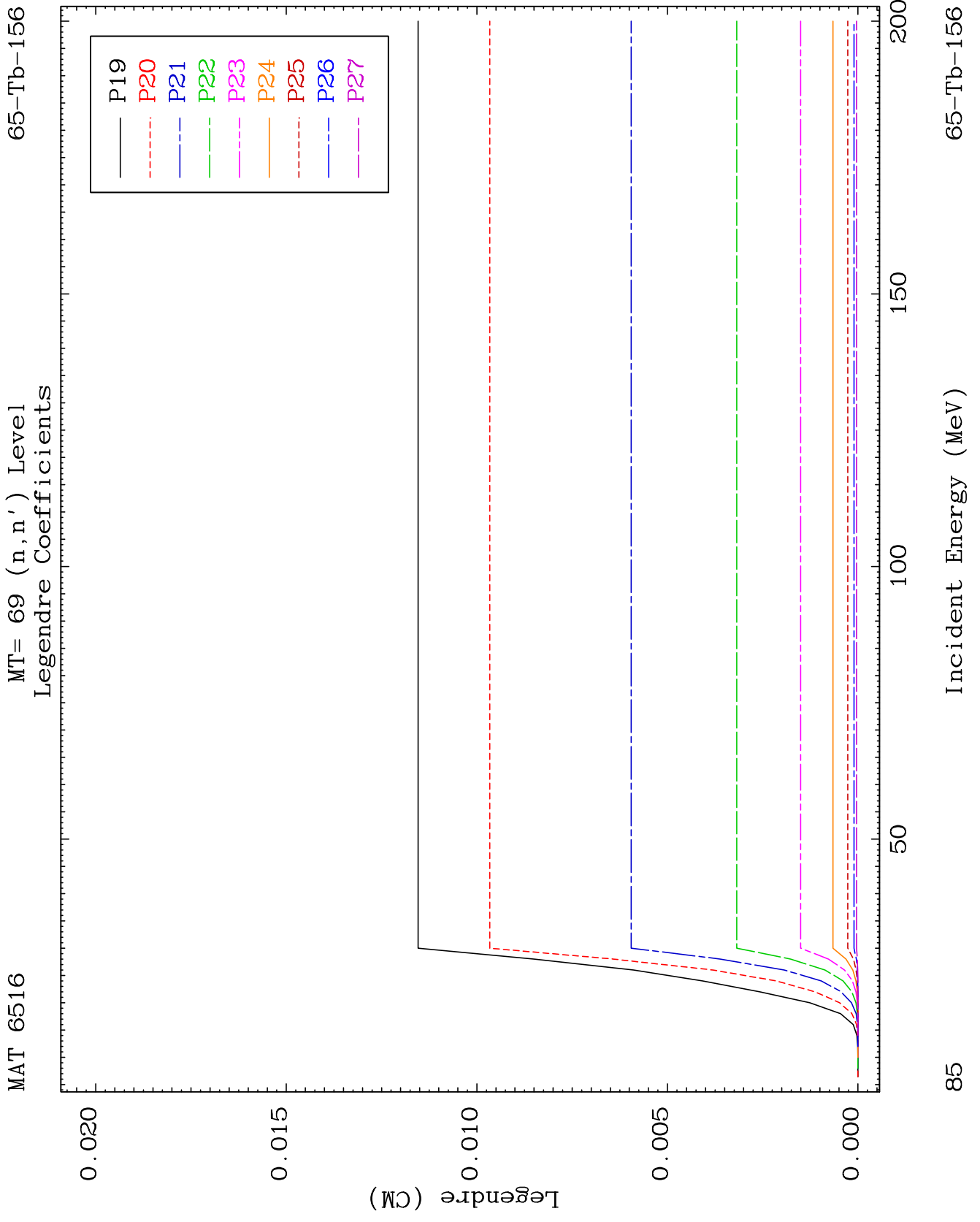
Incident Energy (MeV)

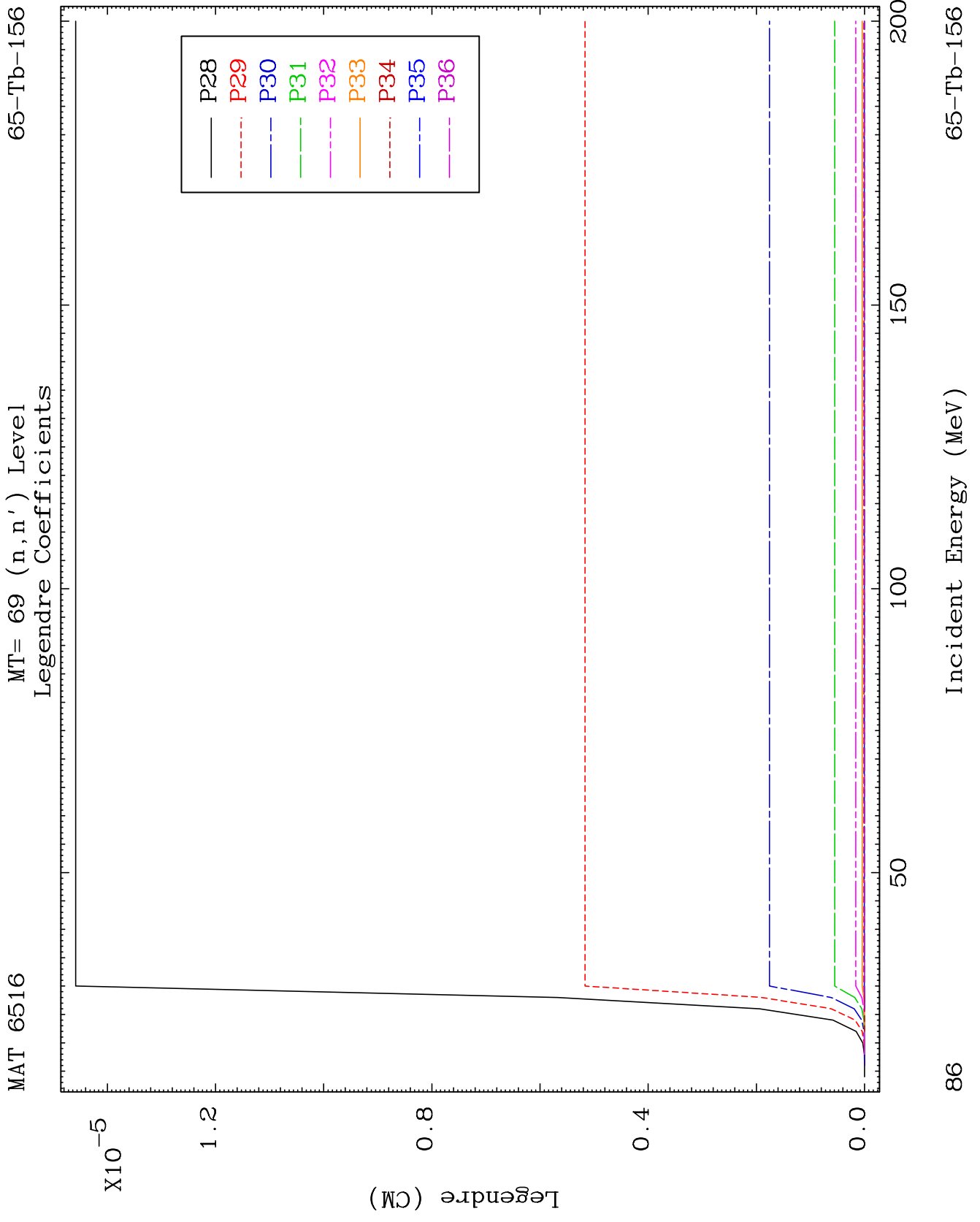
65-Tb-156







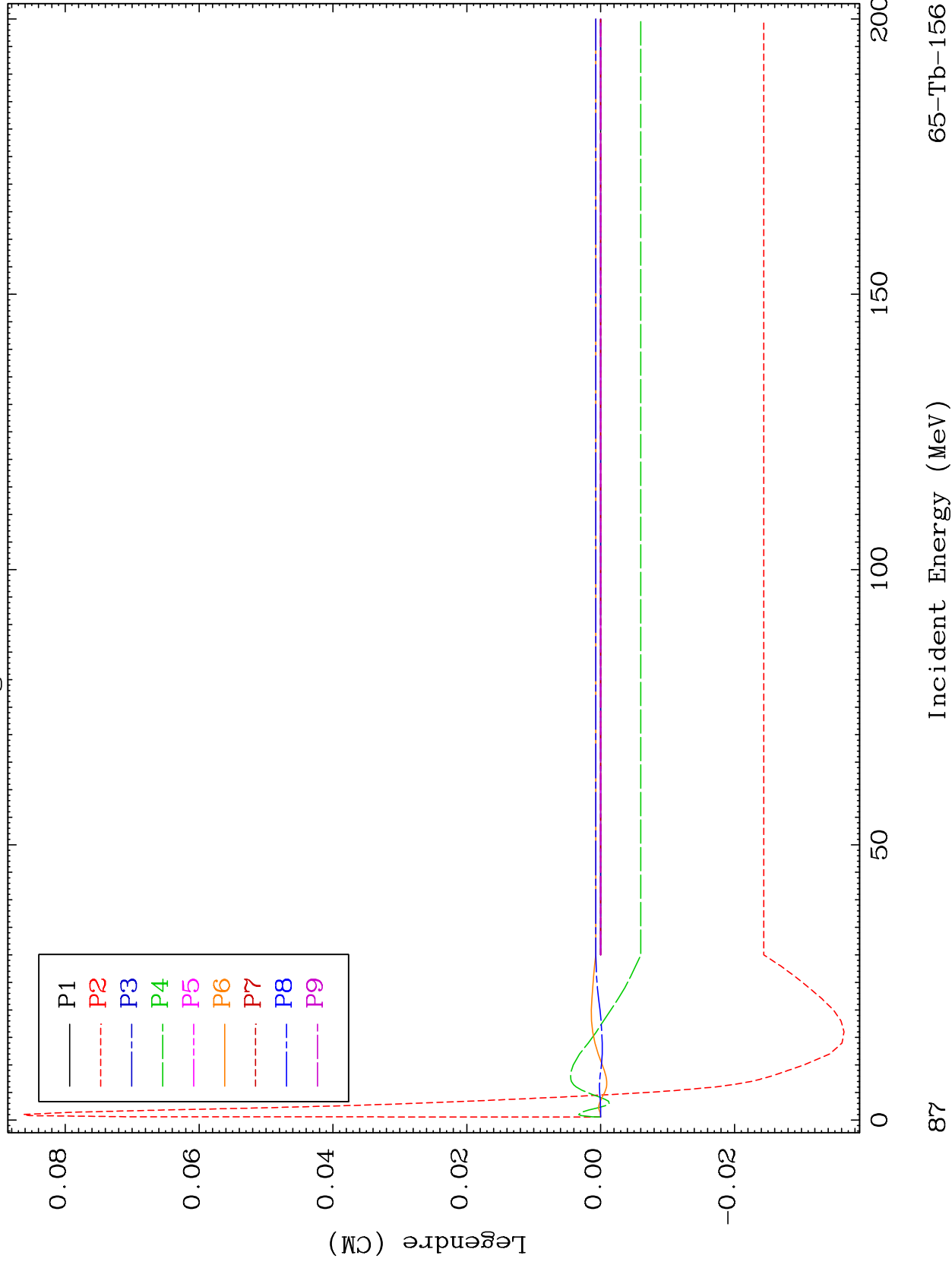




MAT 6516

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

65-Tb-156

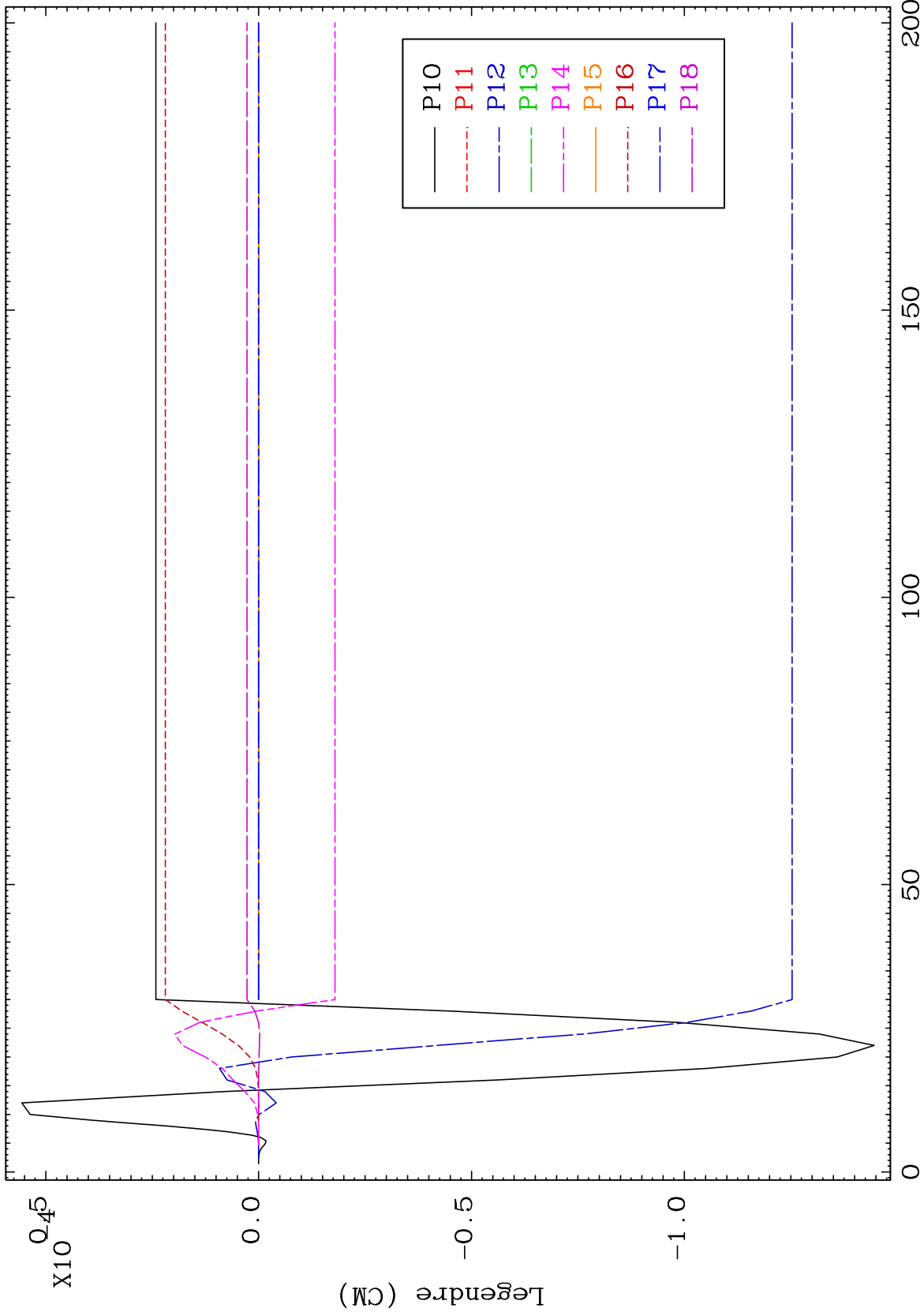




MAT 6516

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

65-Tb-156



88

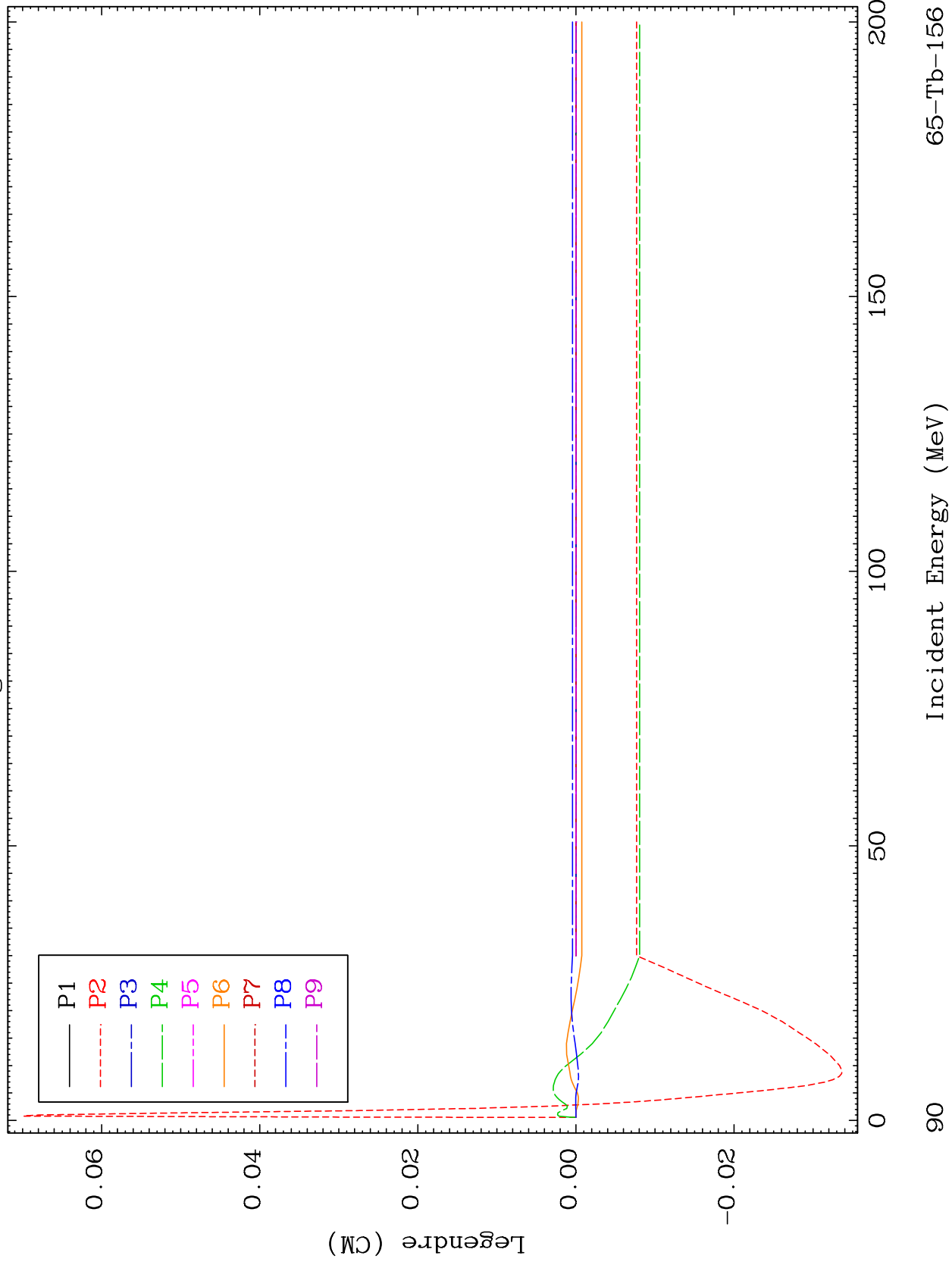
65-Tb-156



MAT 6516

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

65-Tb-156



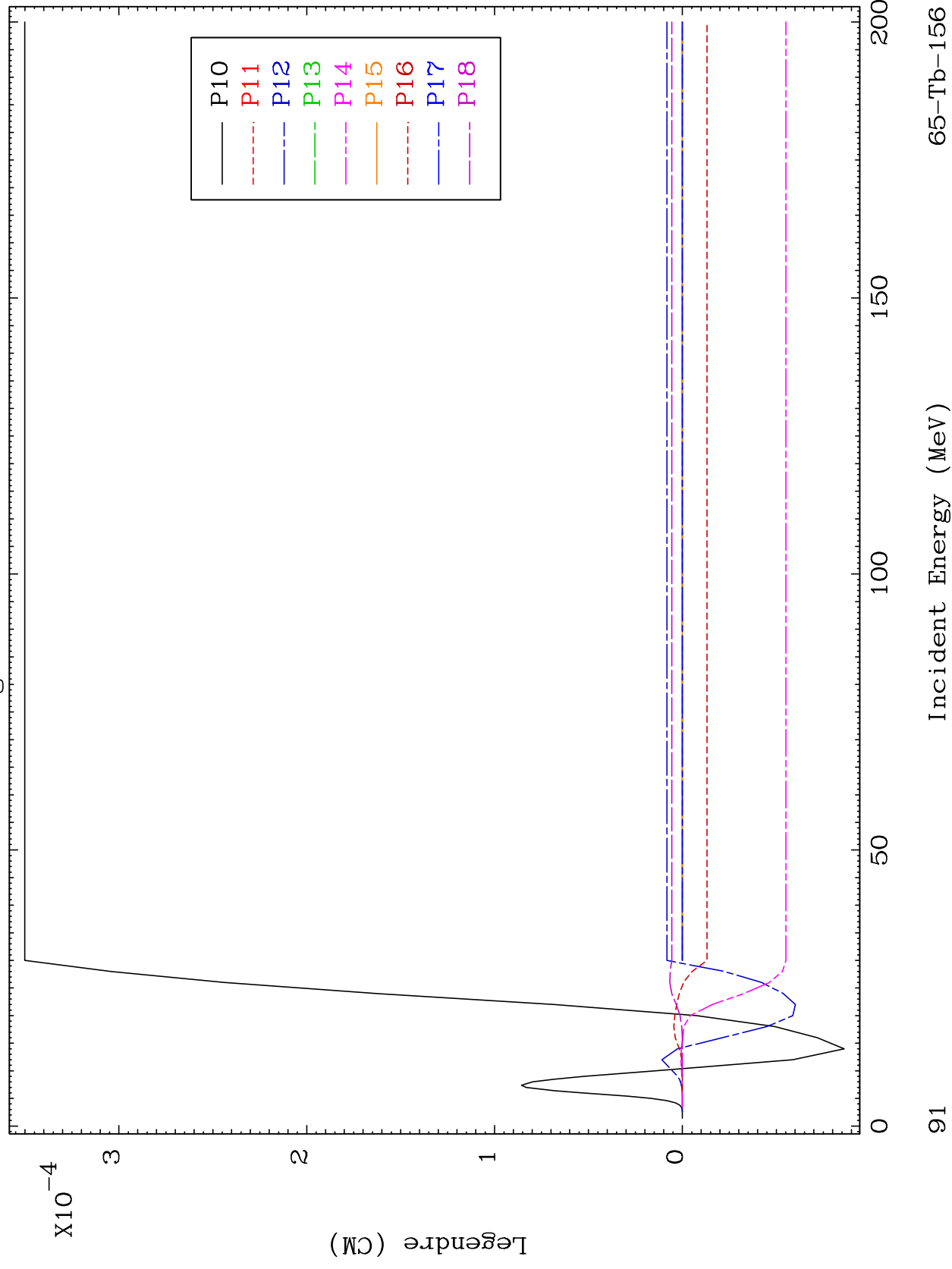
65-Tb-156

Incident Energy (MeV)

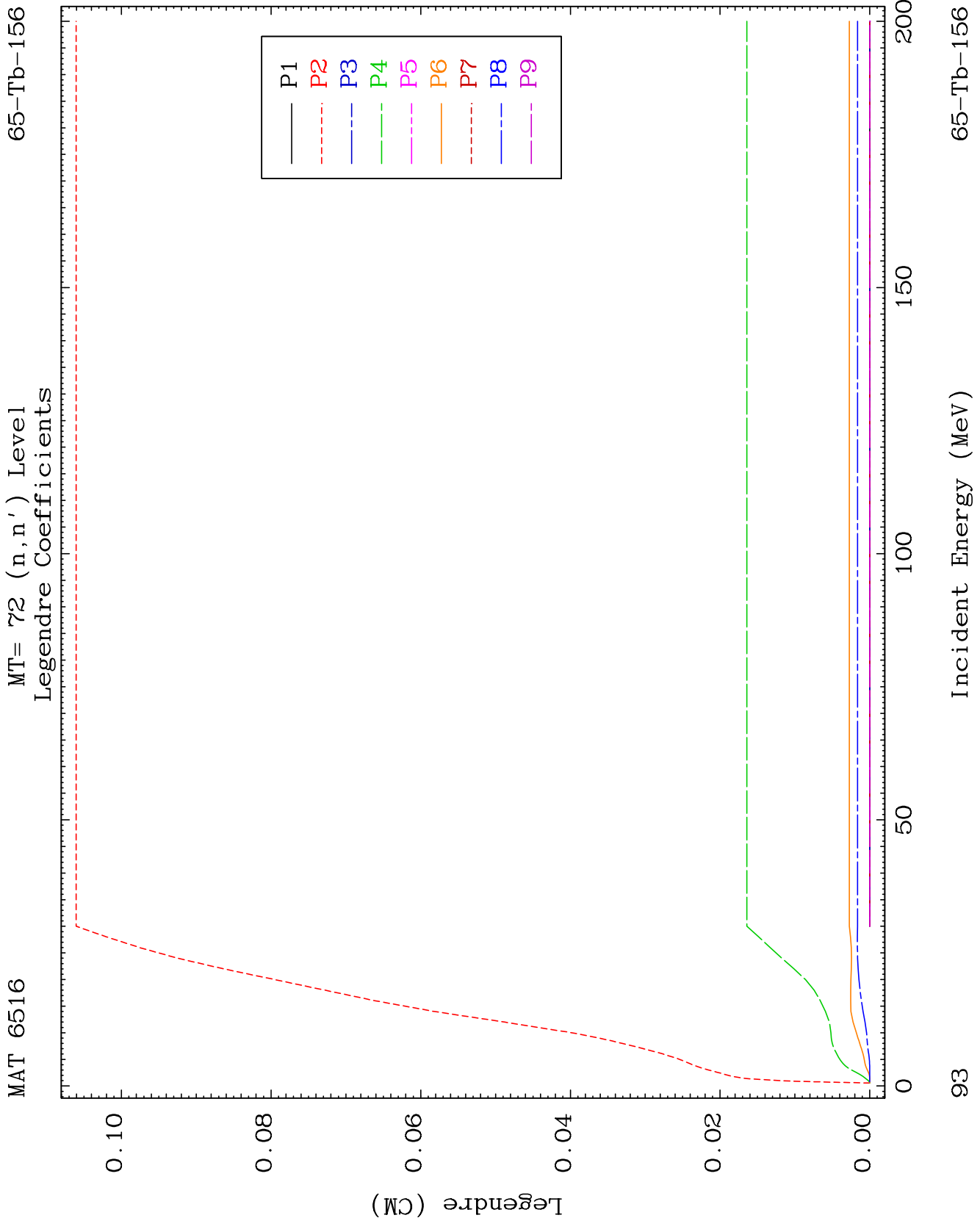
MAT 6516

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

65-Tb-156



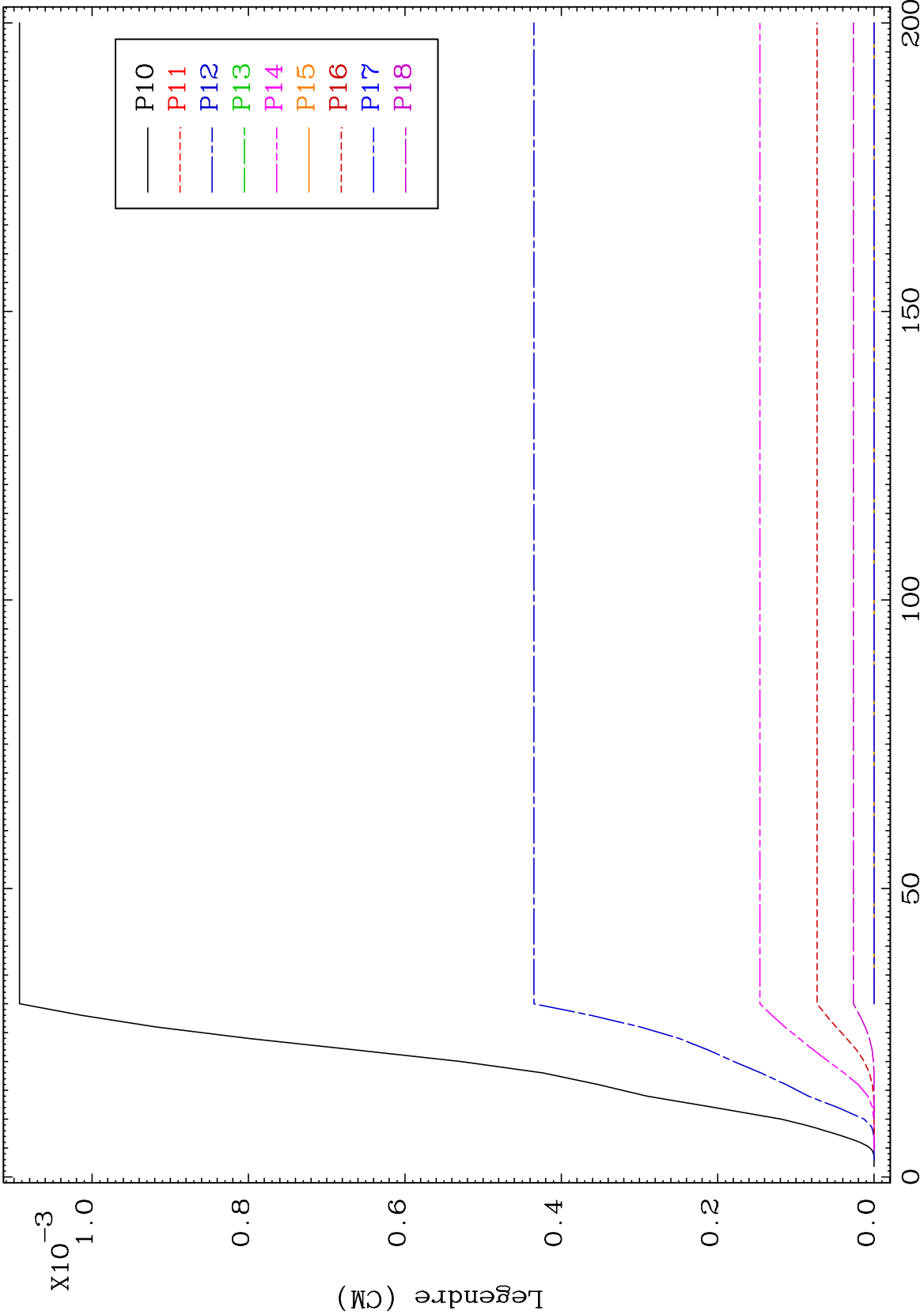




MAT 6516

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

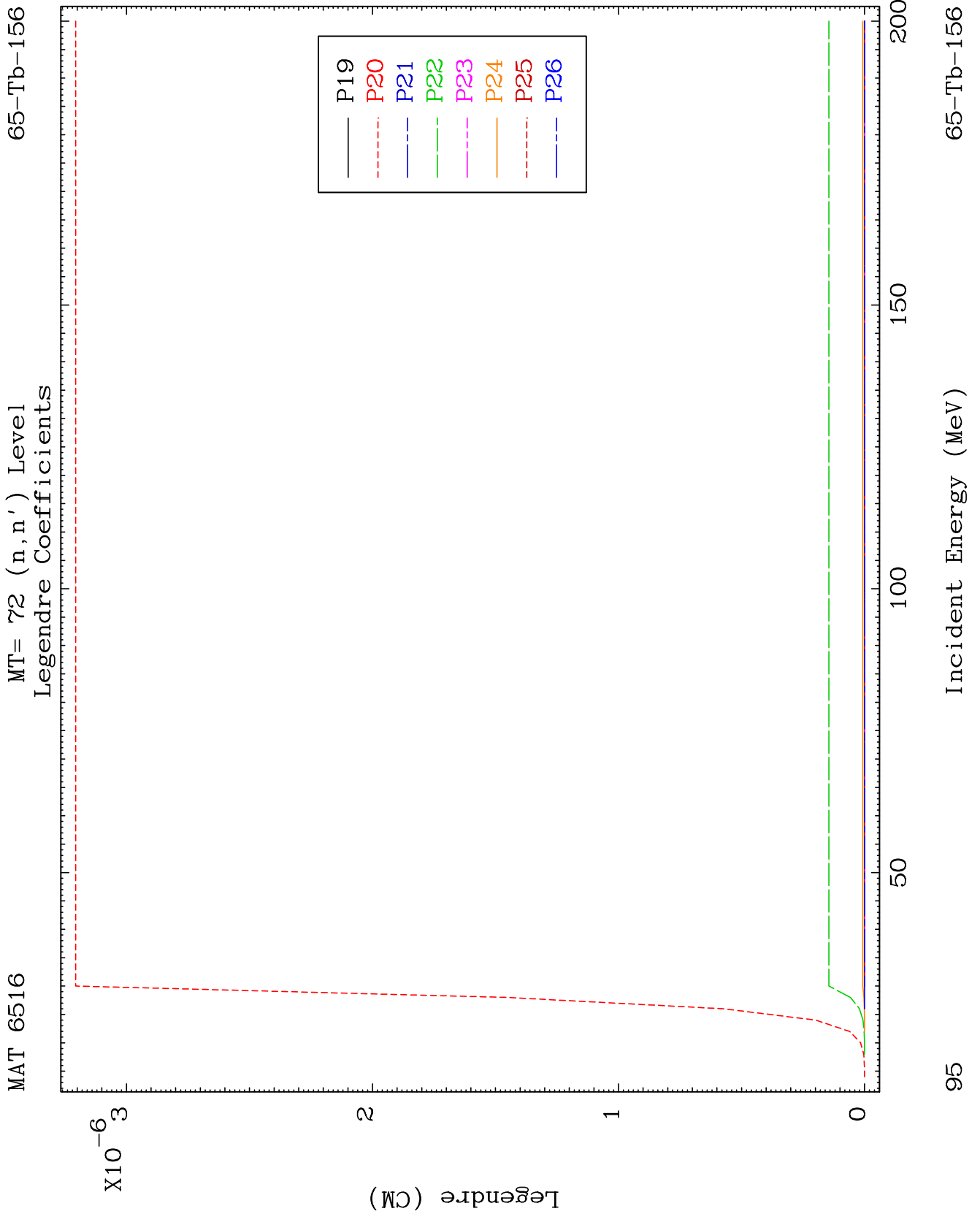
65-Tb-156



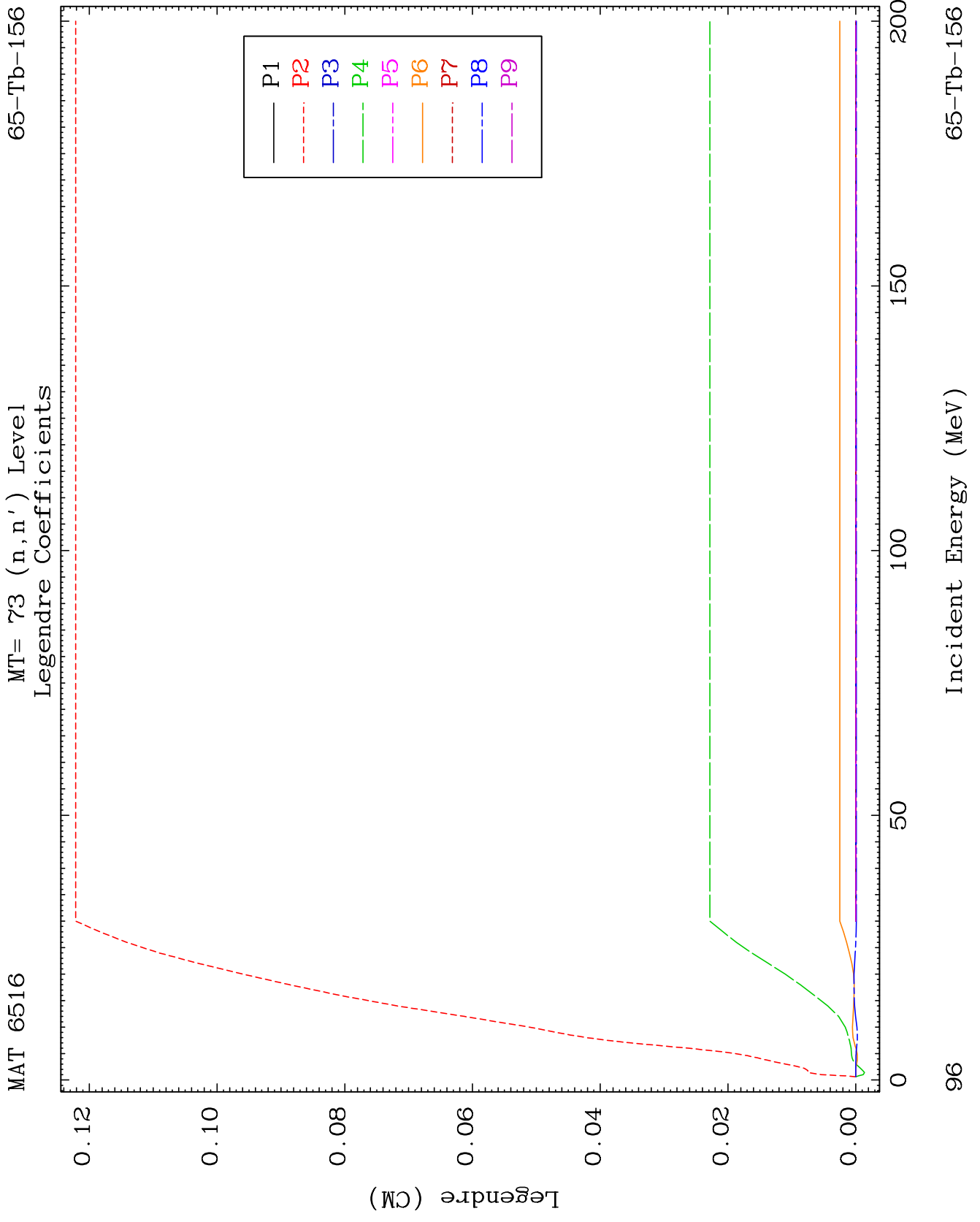
94

Incident Energy (MeV)

65-Tb-156



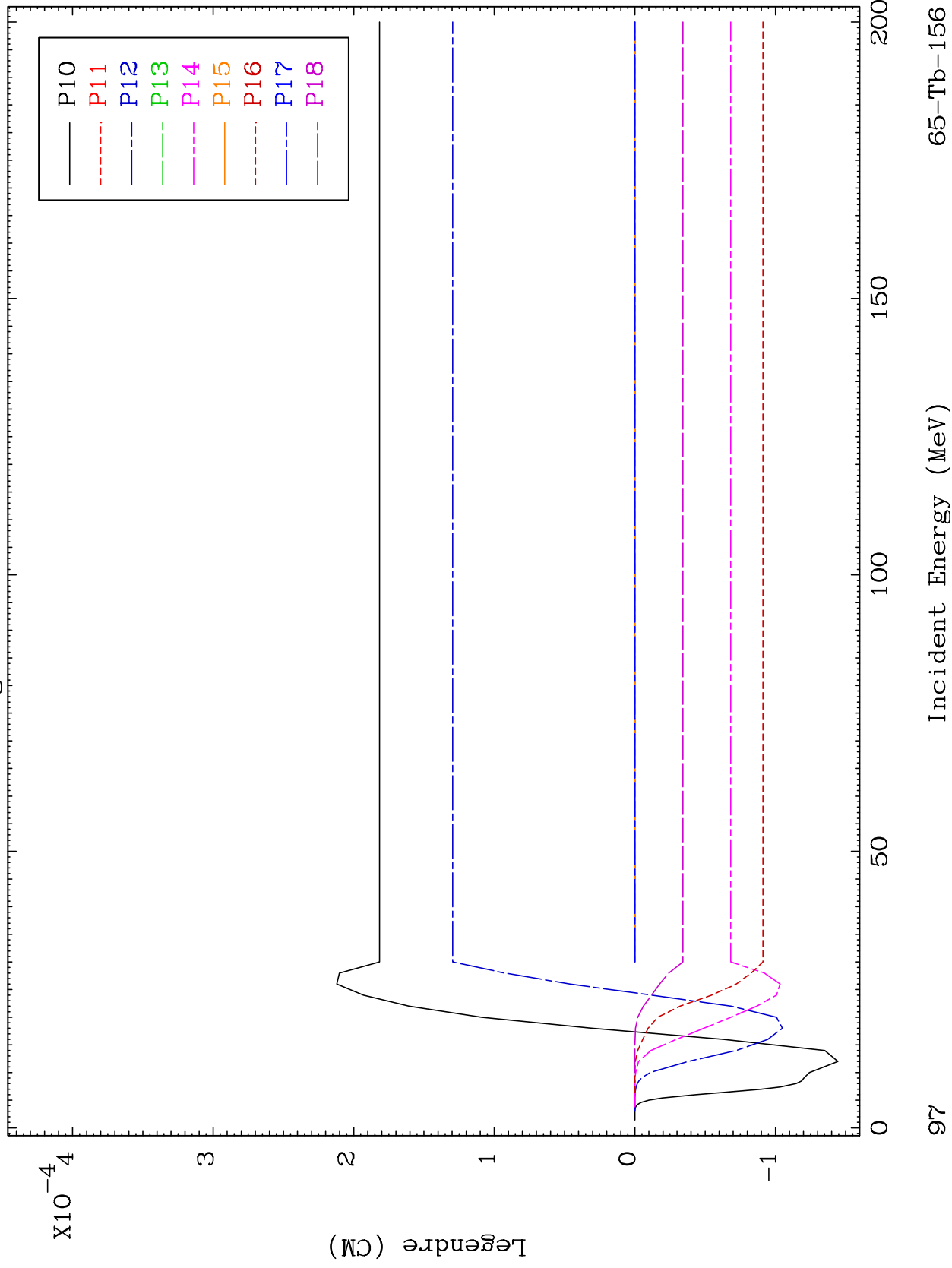




MAT 6516

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

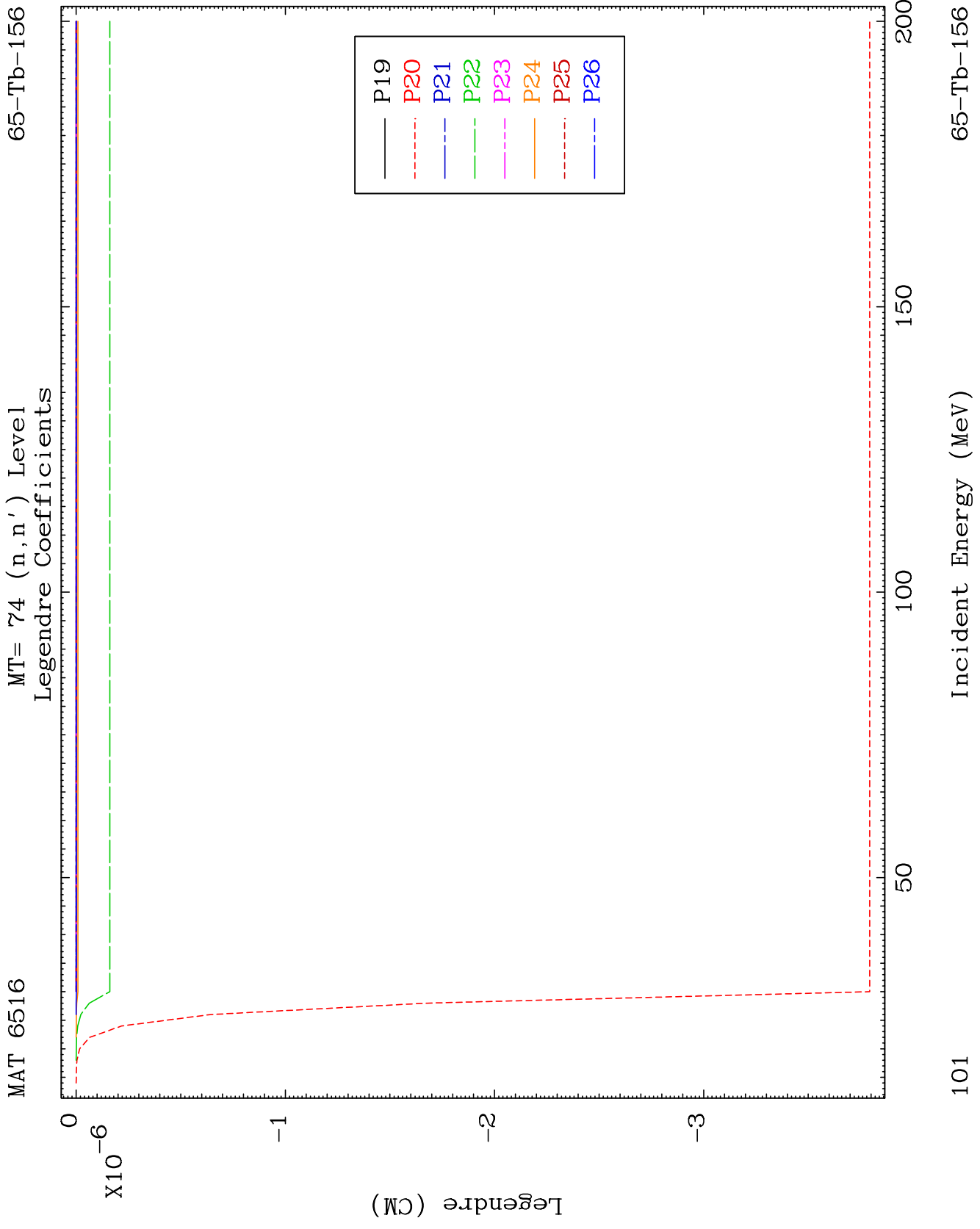
65-Tb-156









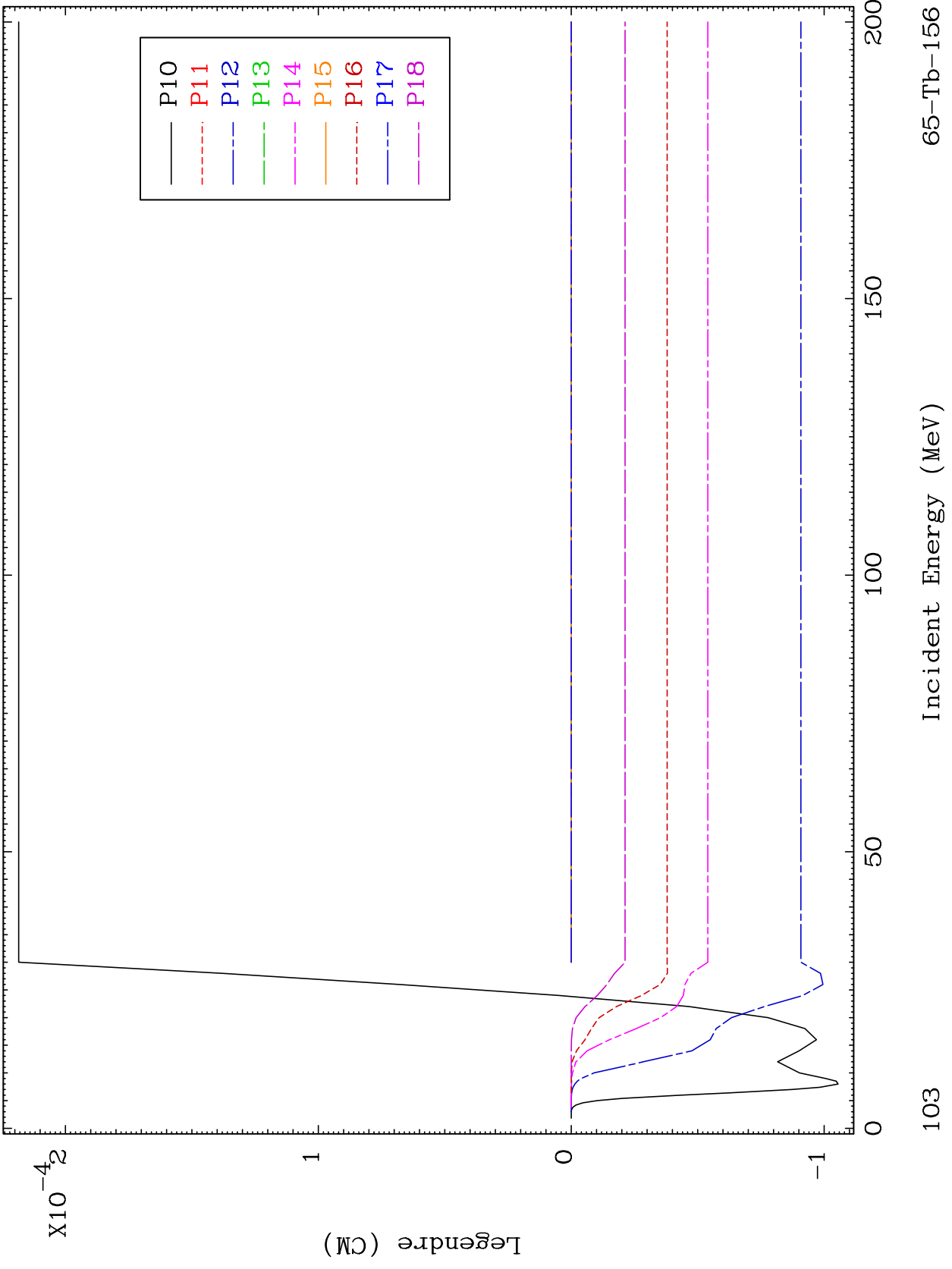




MAT 6516

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

65-Tb-156

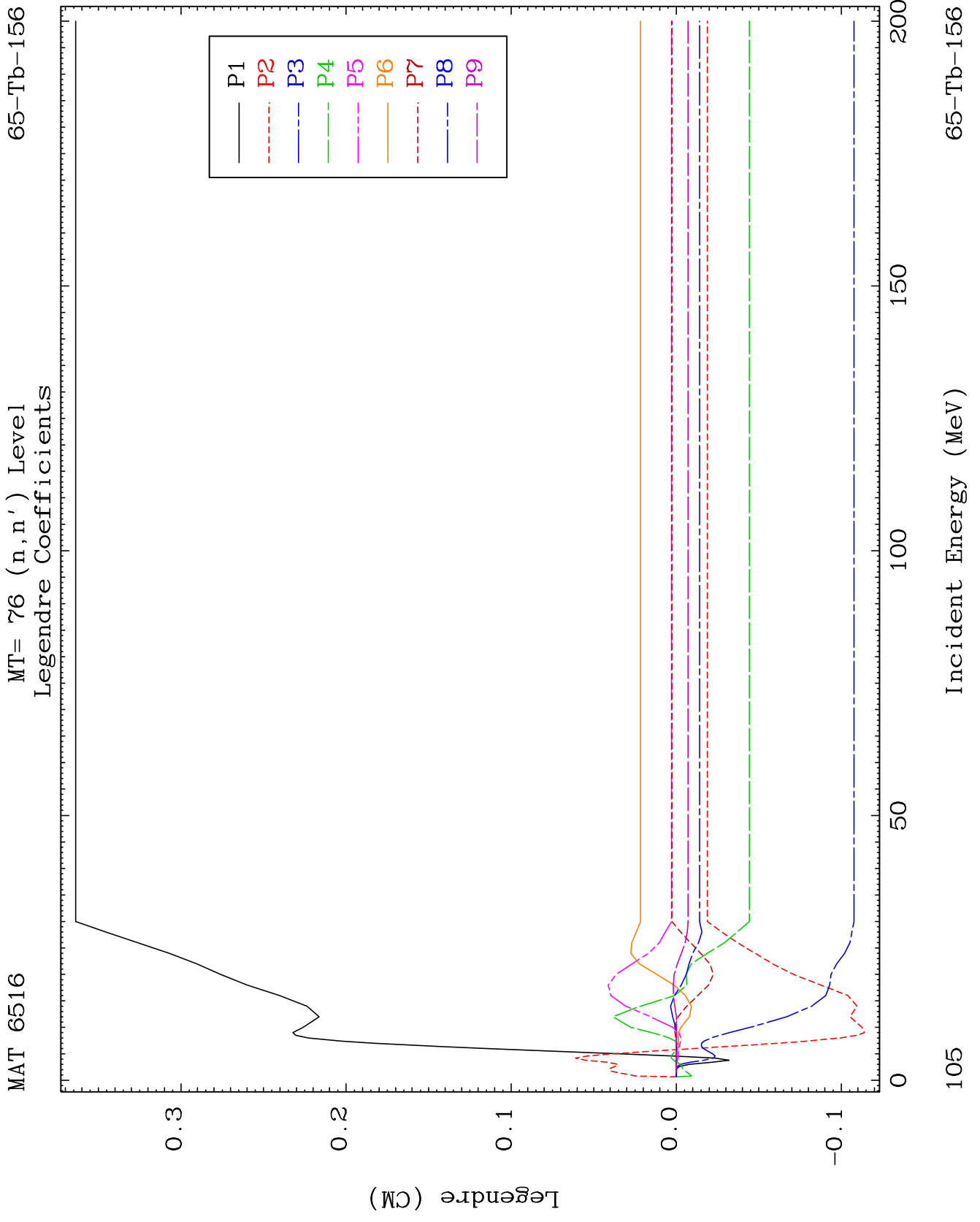


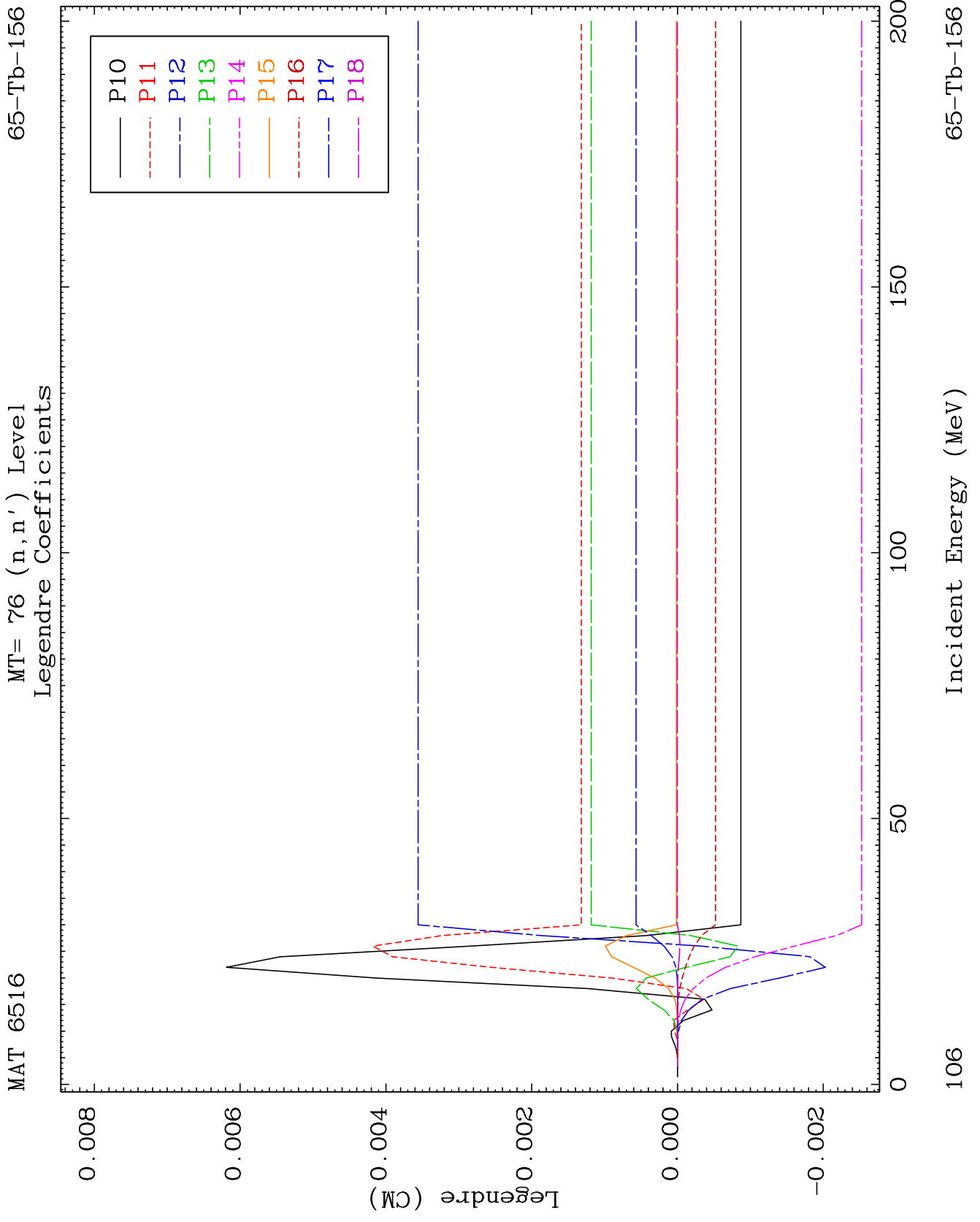
103

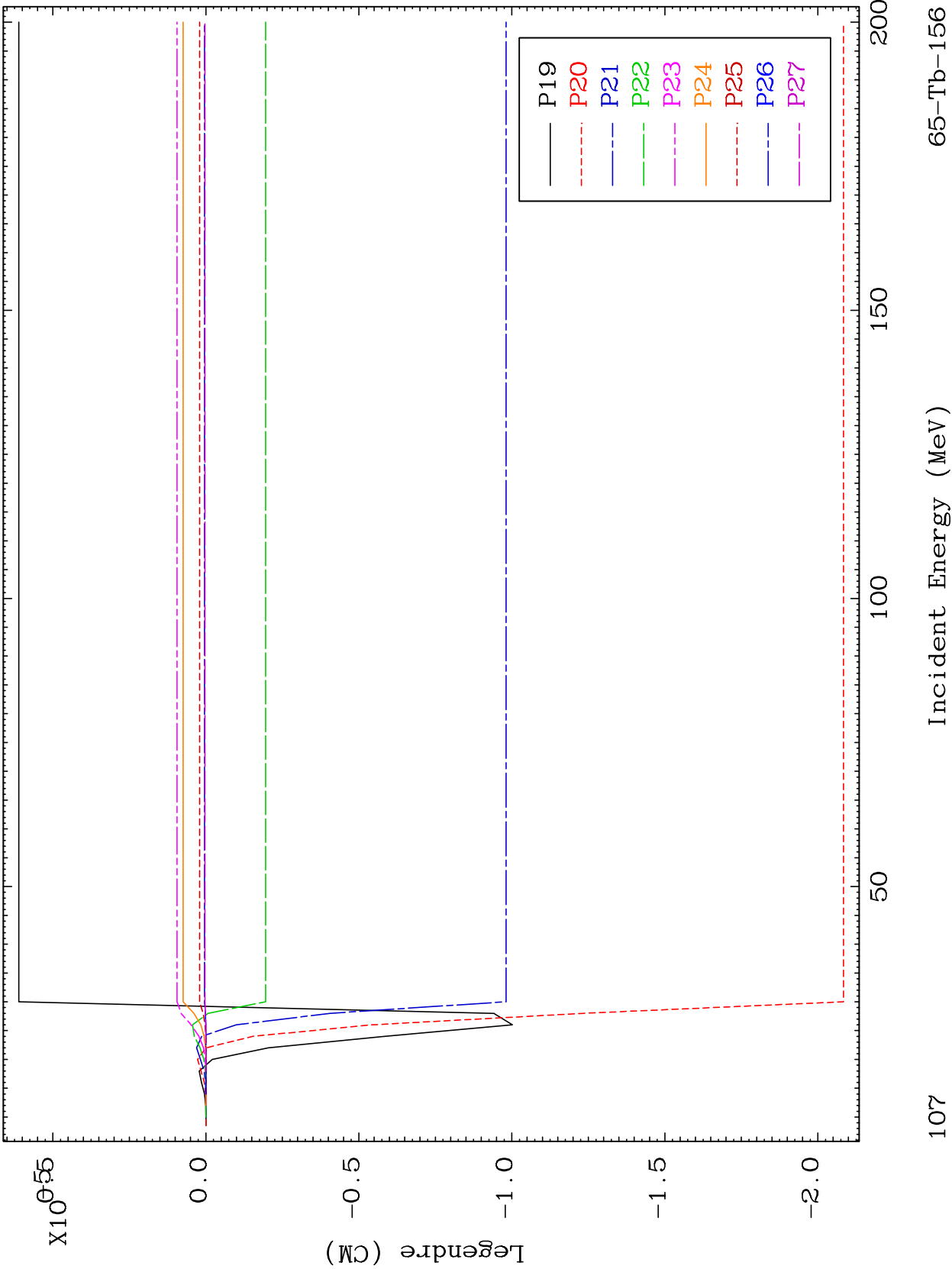
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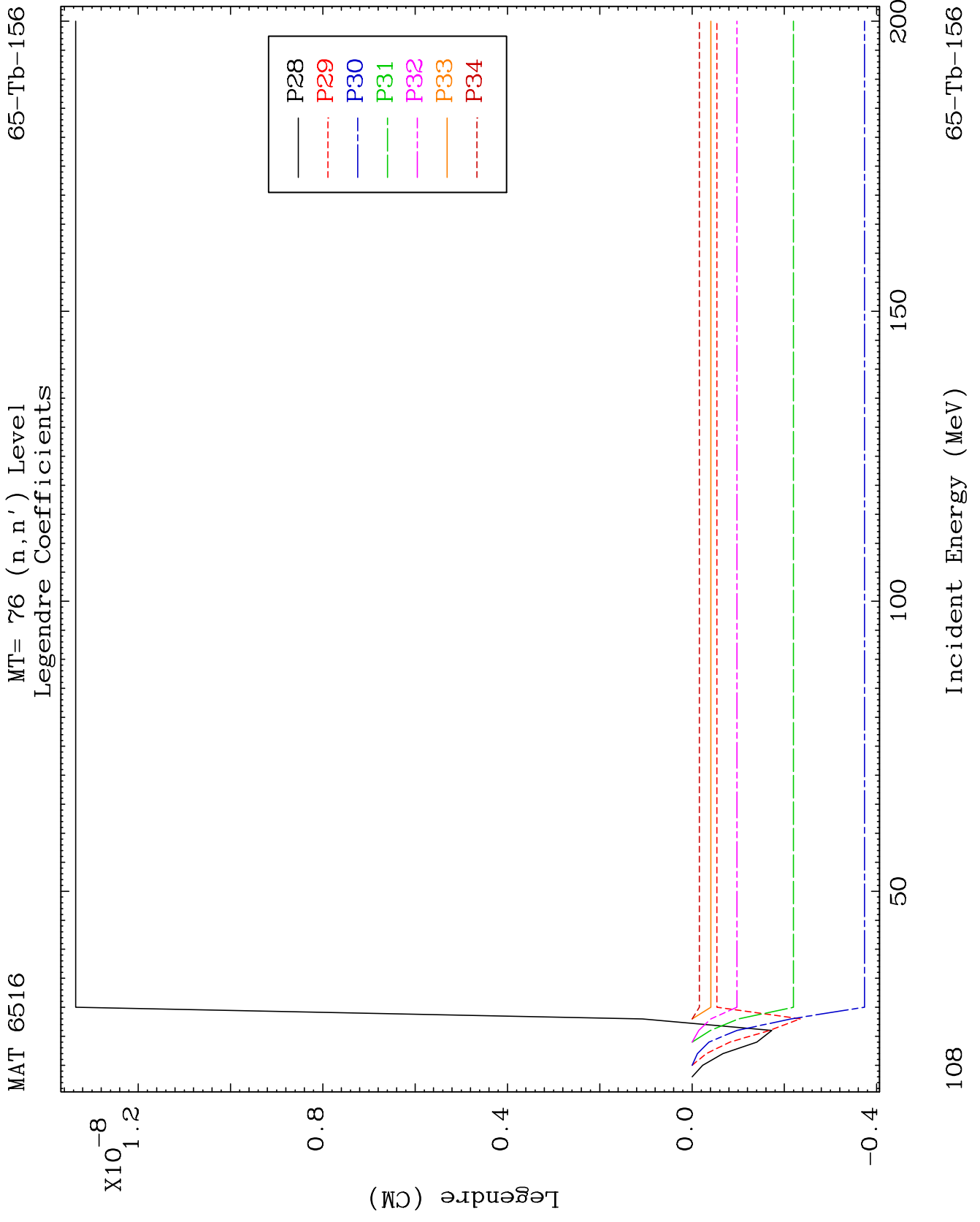








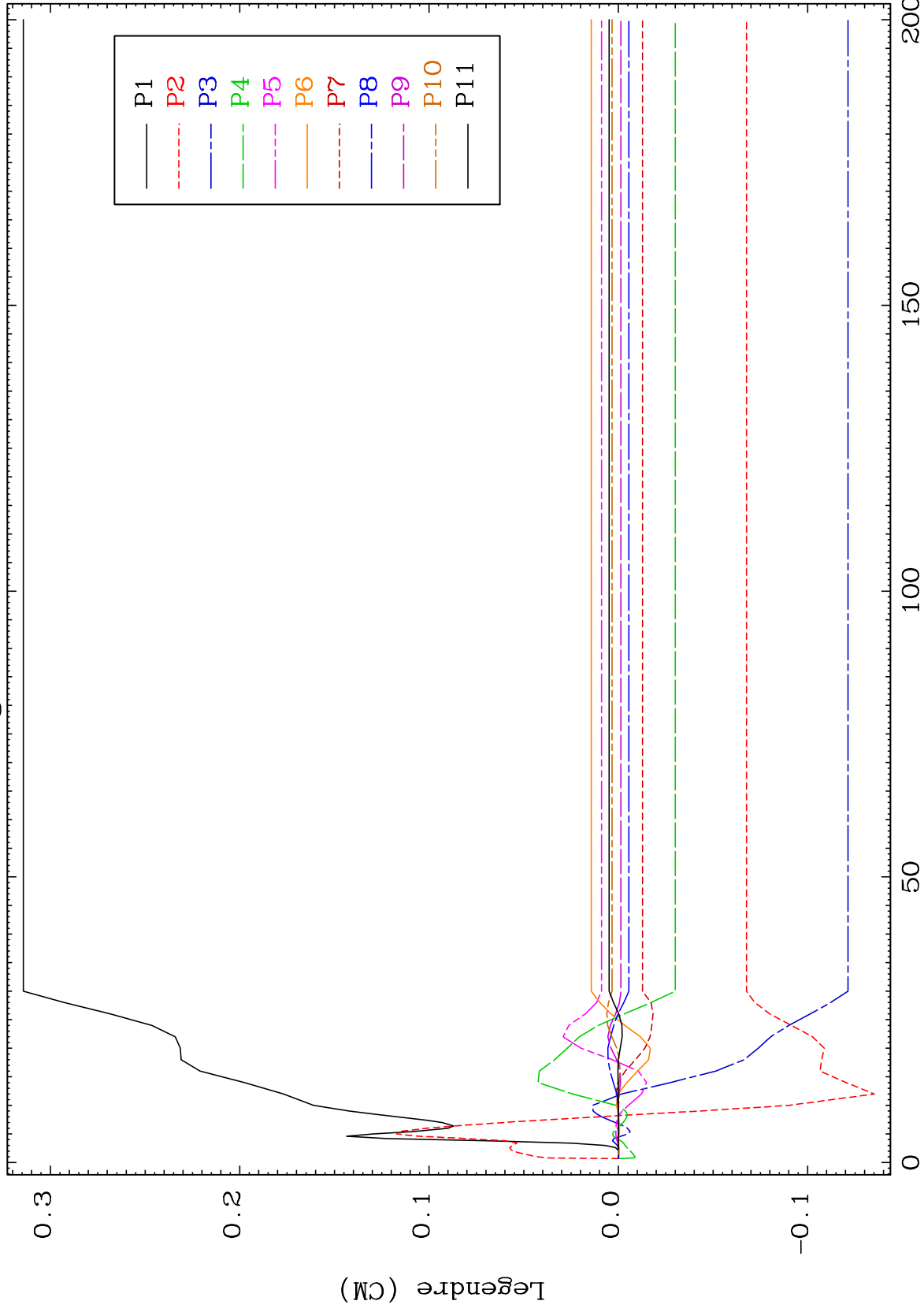




MAT 6516

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

65-Tb-156



109

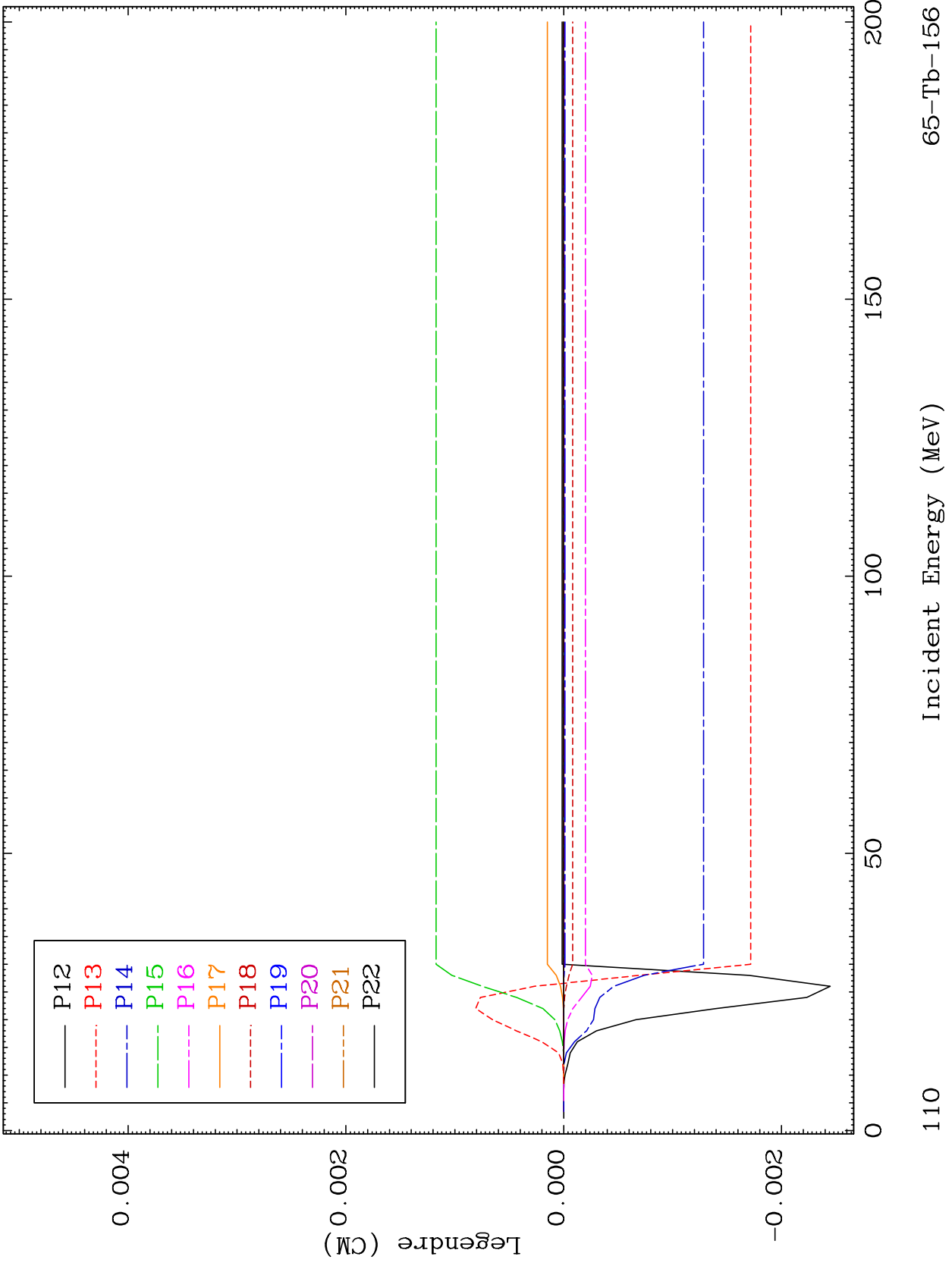
Incident Energy (MeV)

65-Tb-156

MAT 6516

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

65-Tb-156



65-Tb-156

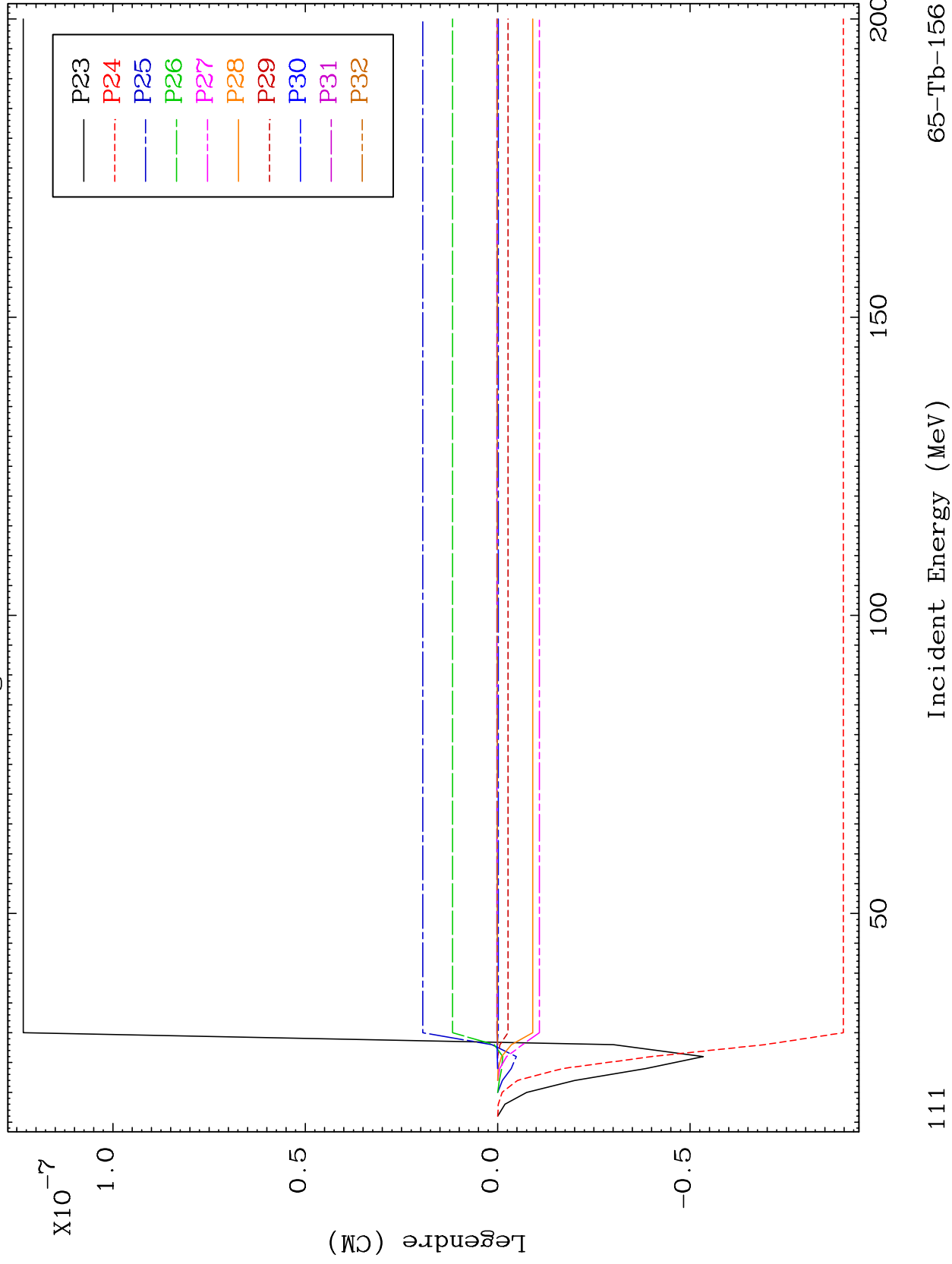
Incident Energy (MeV)

110

MAT 6516

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

65-Tb-156



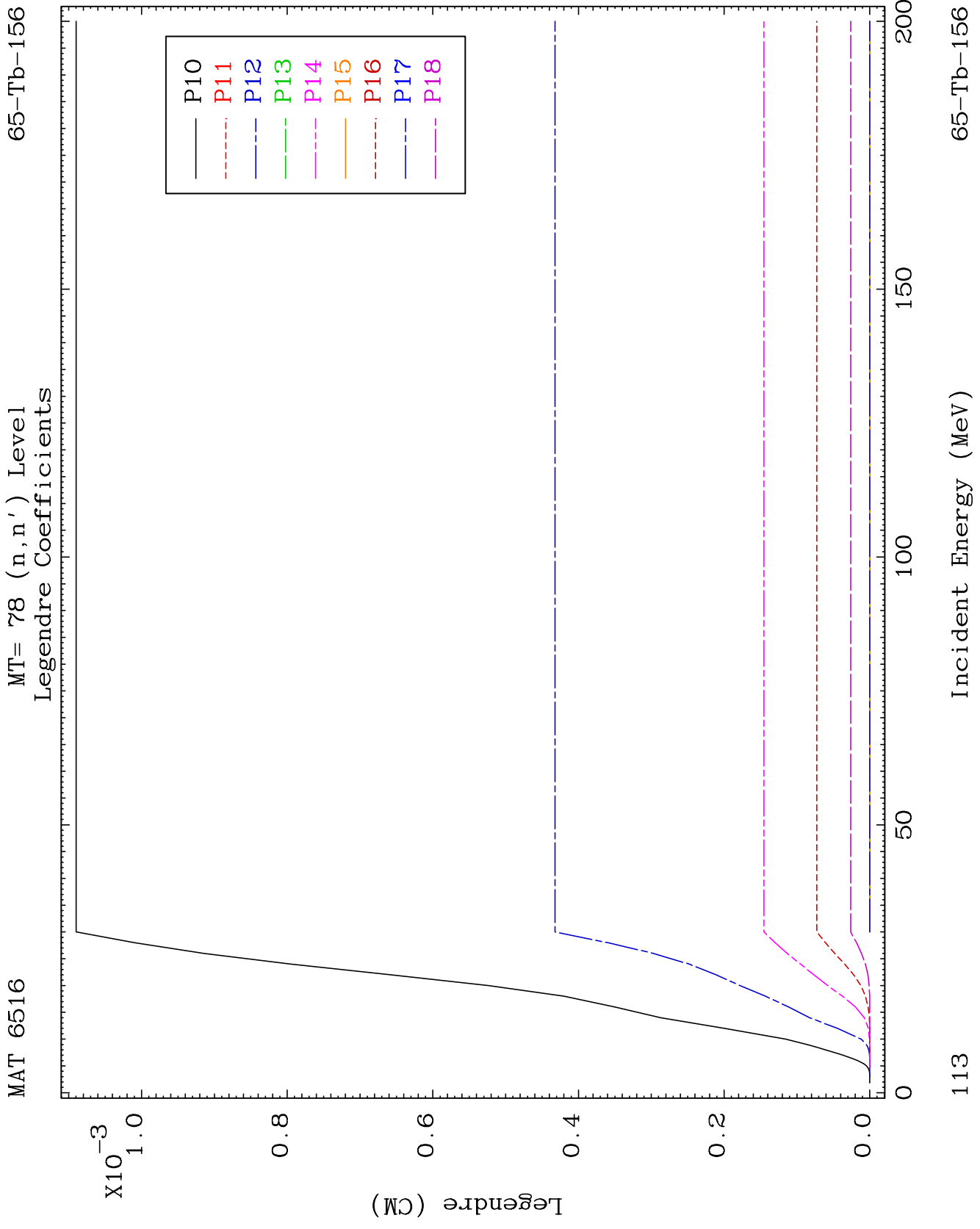
111

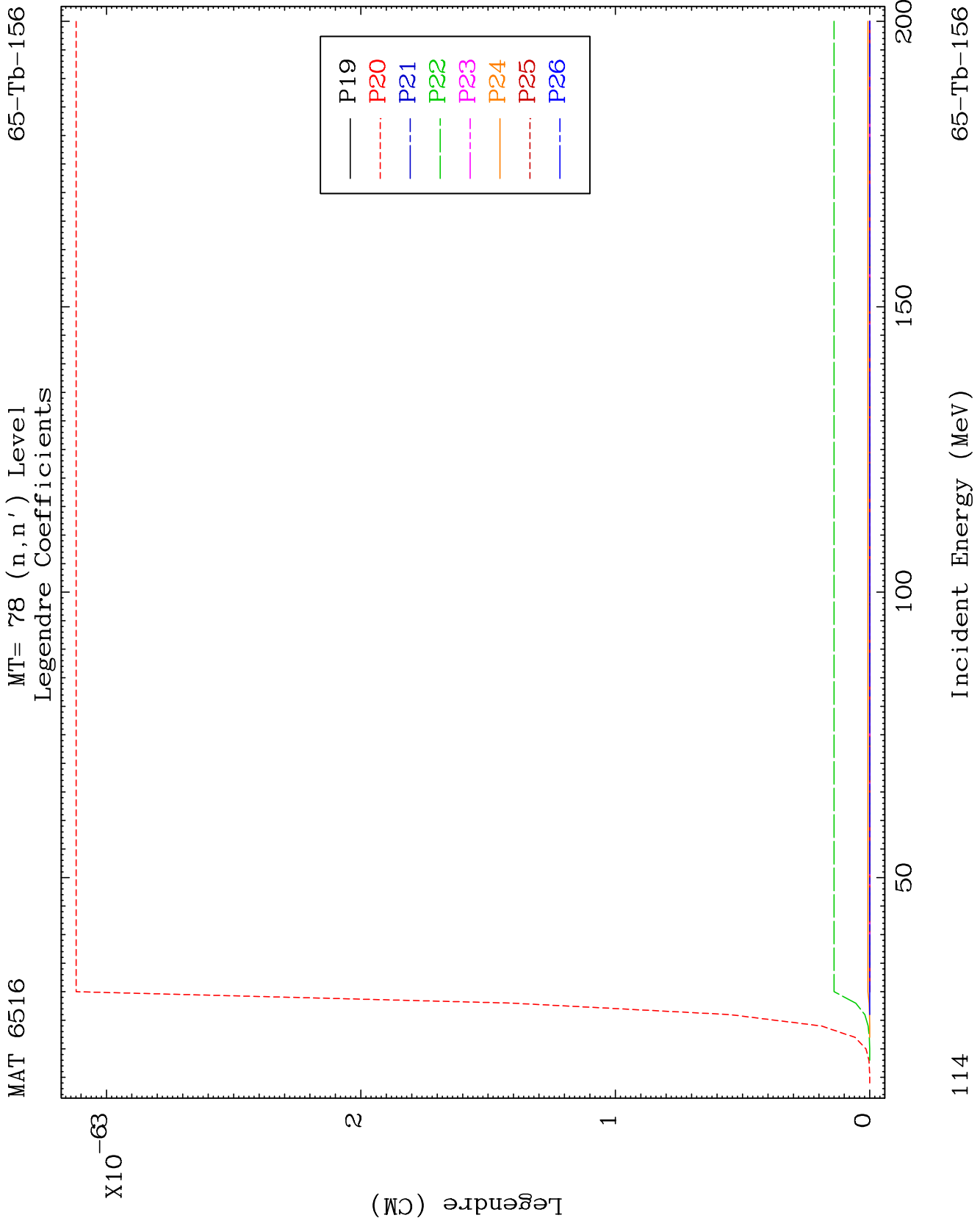
Incident Energy (MeV)

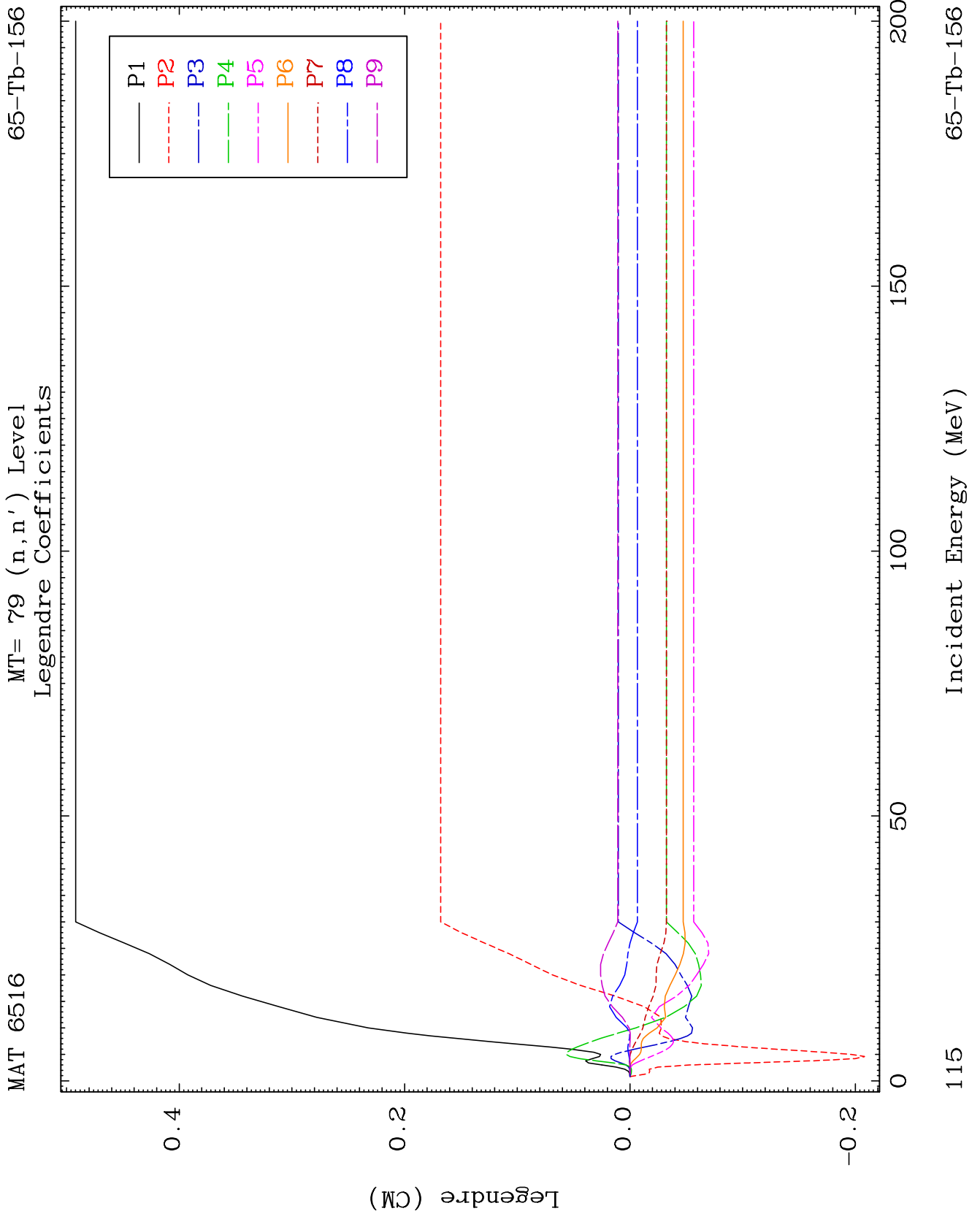
65-Tb-156

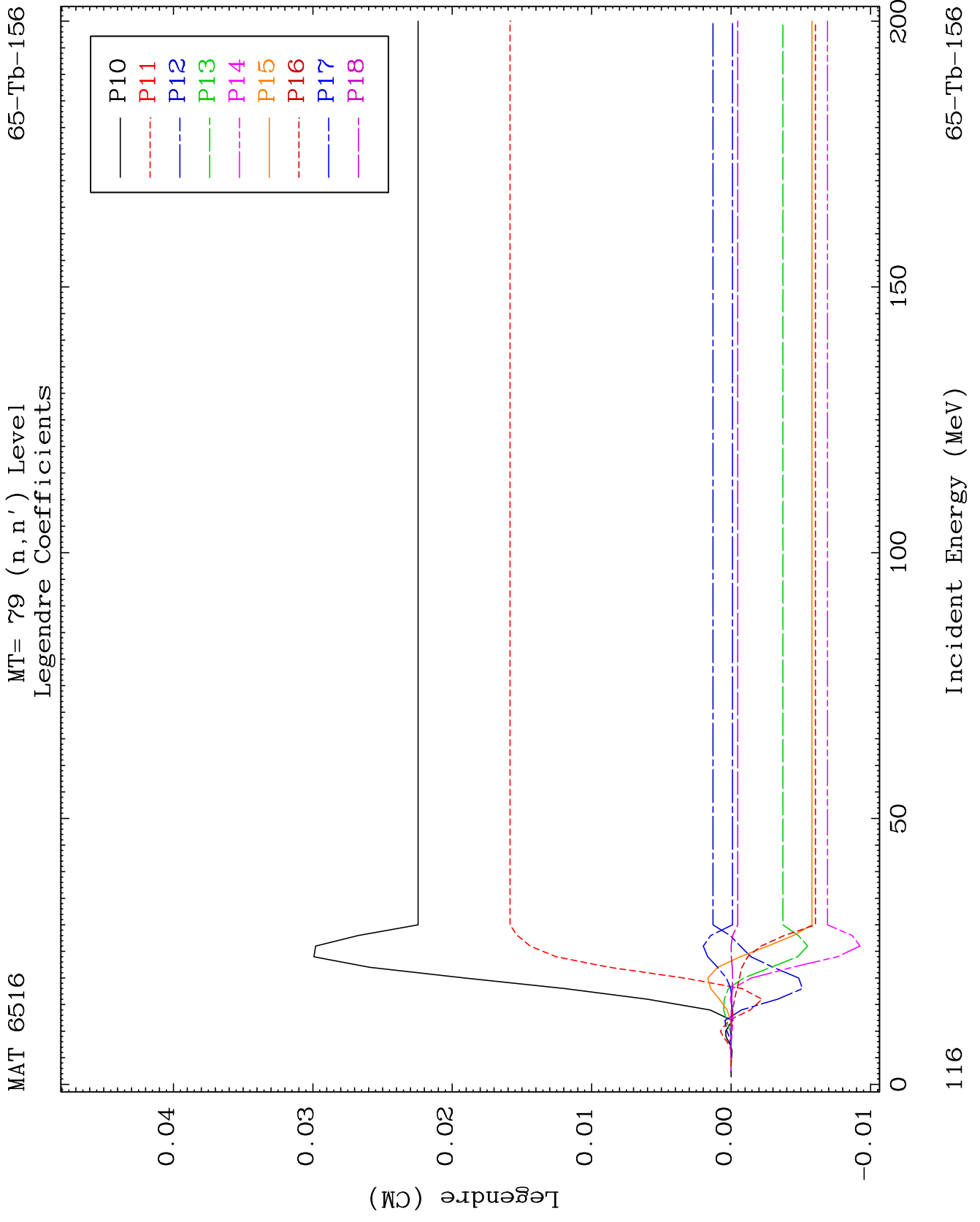








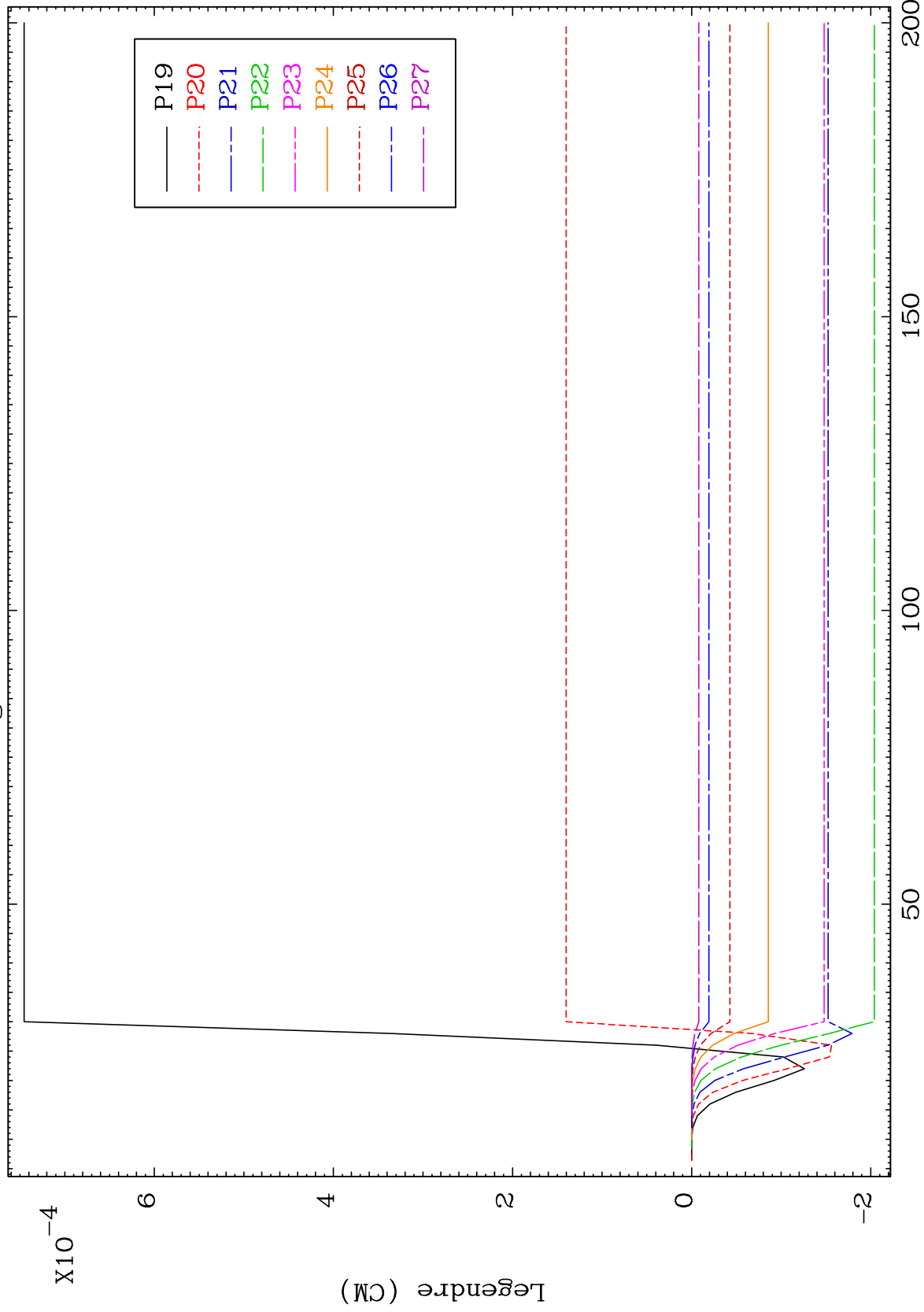




MAT 6516

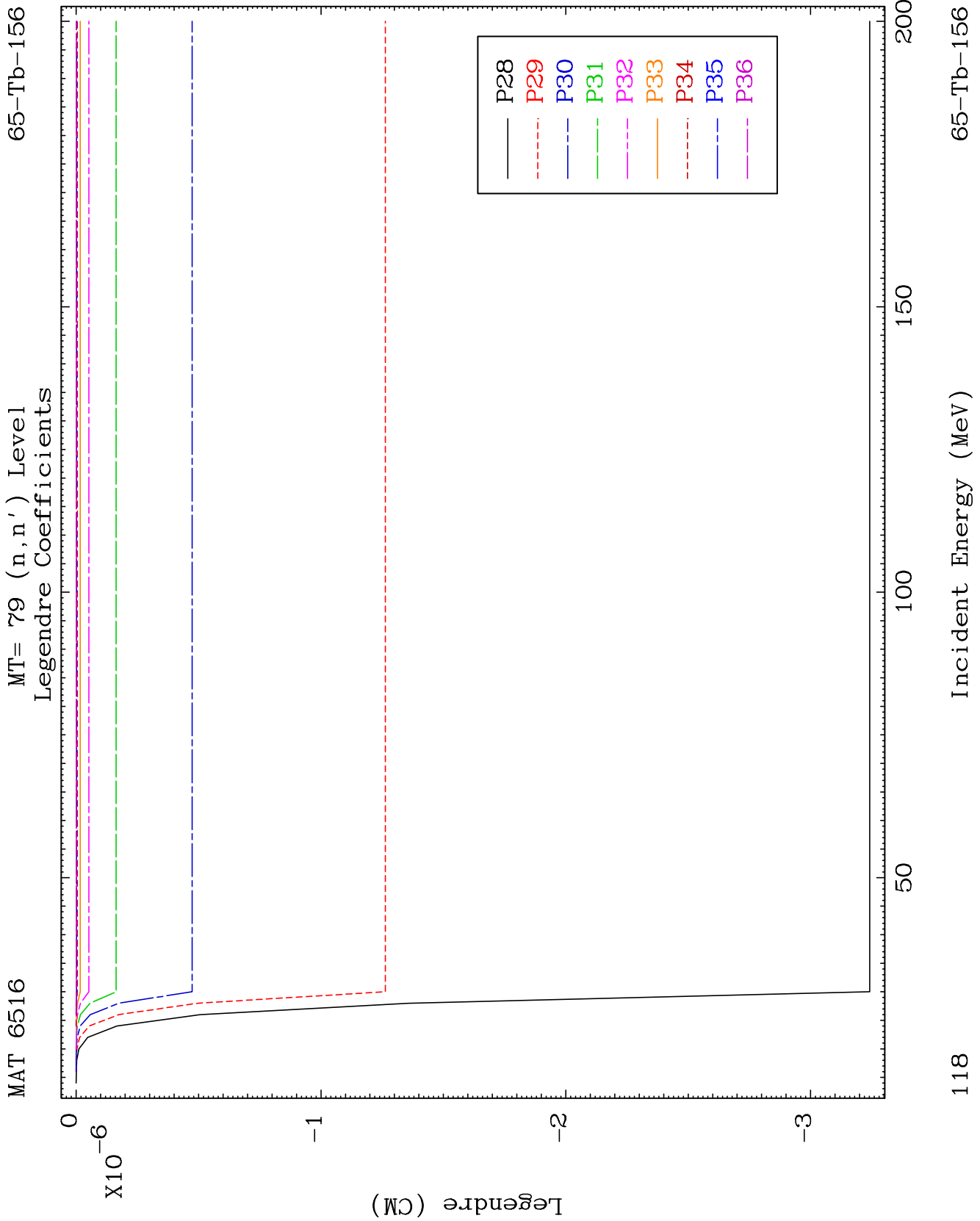
MT= 79 (n,n') Level  
Legendre Coefficients

65-Tb-156



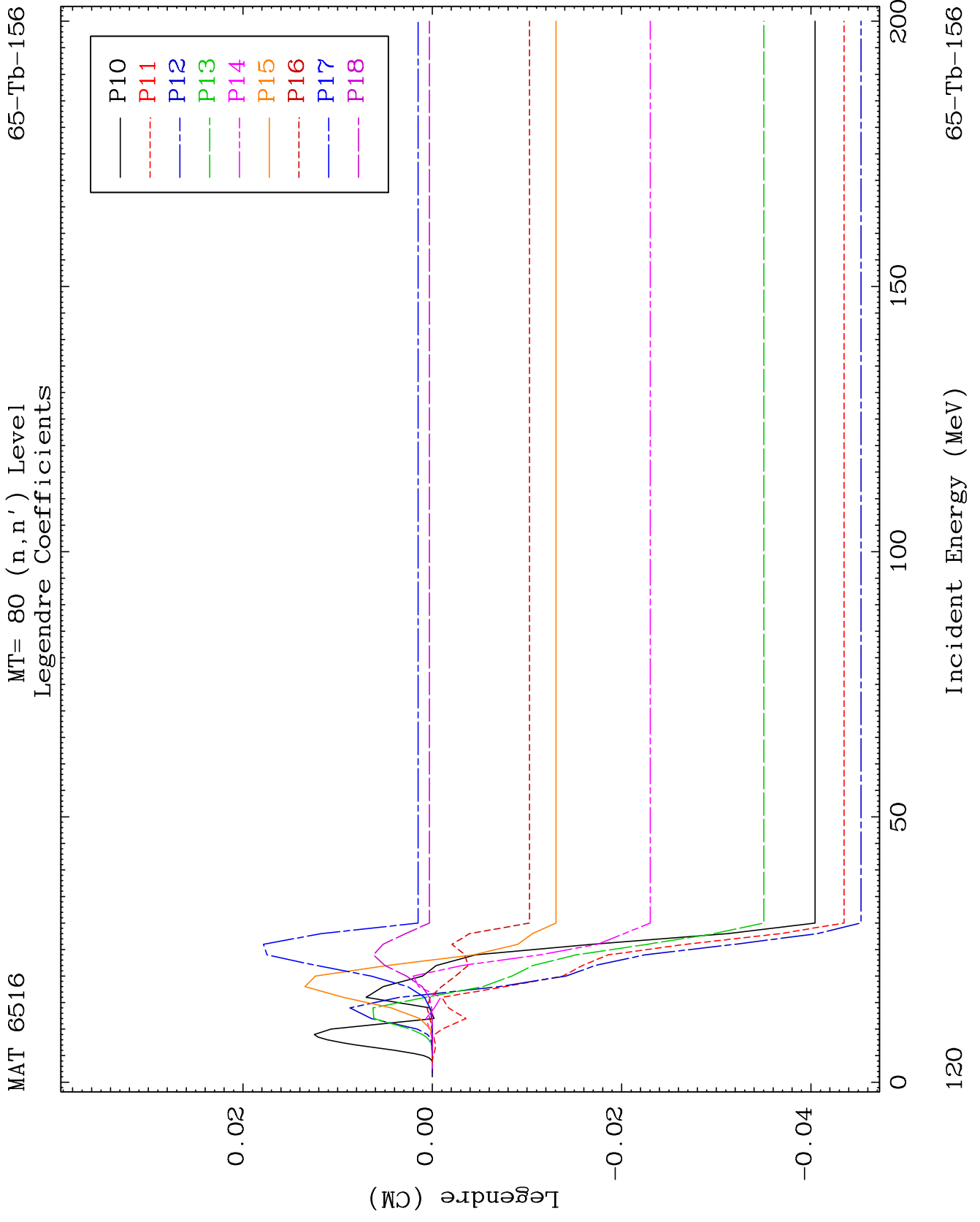
117

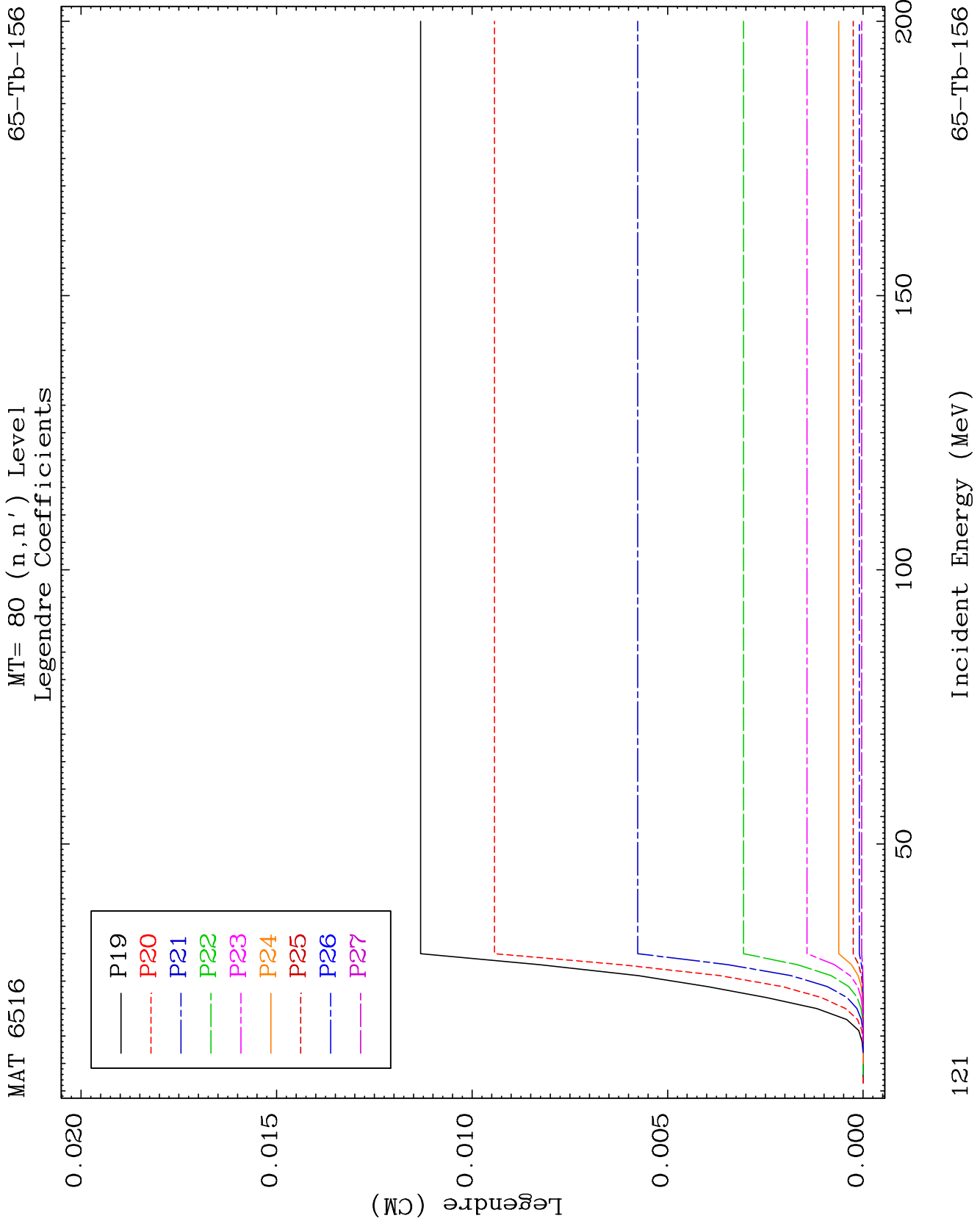
65-Tb-156

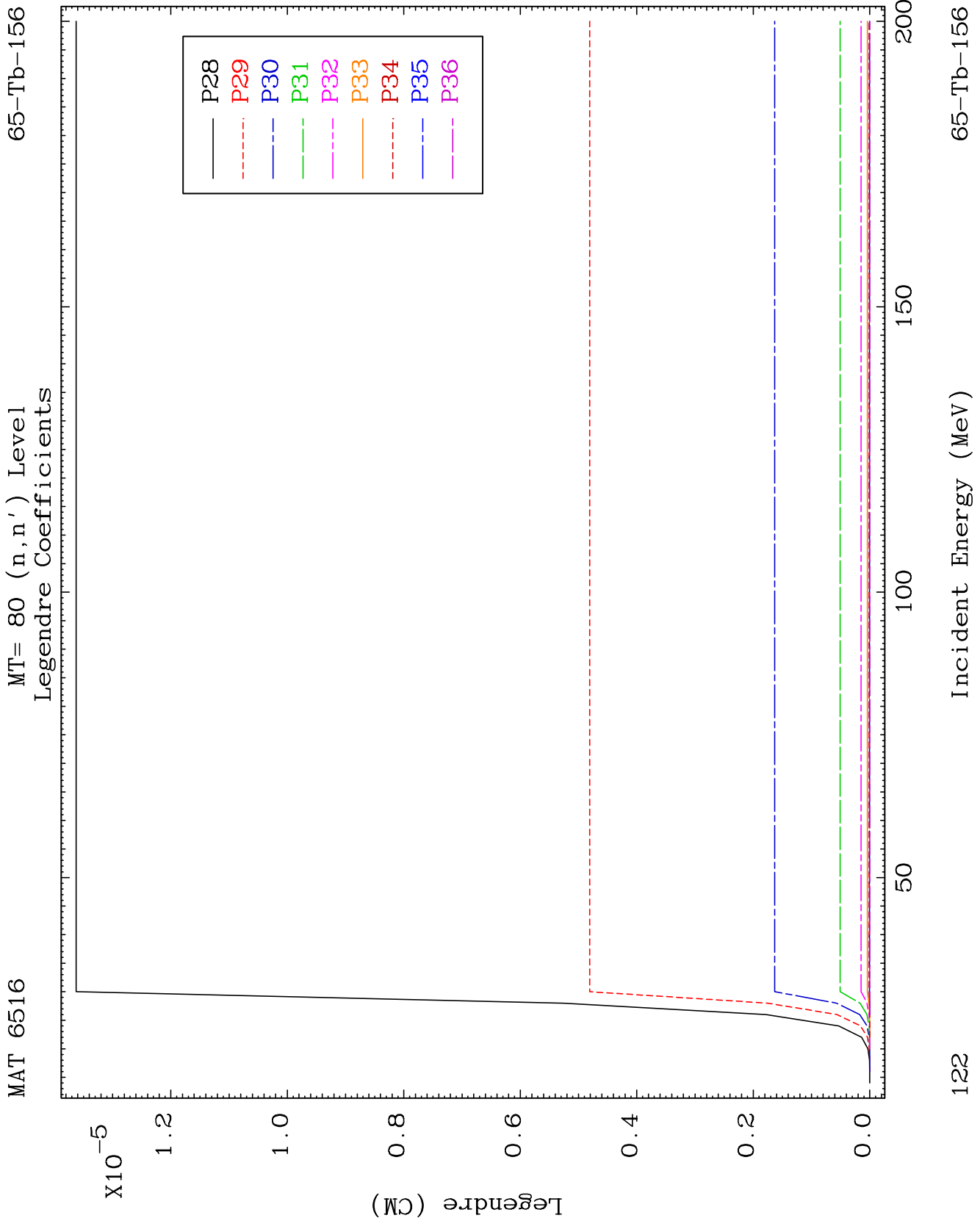








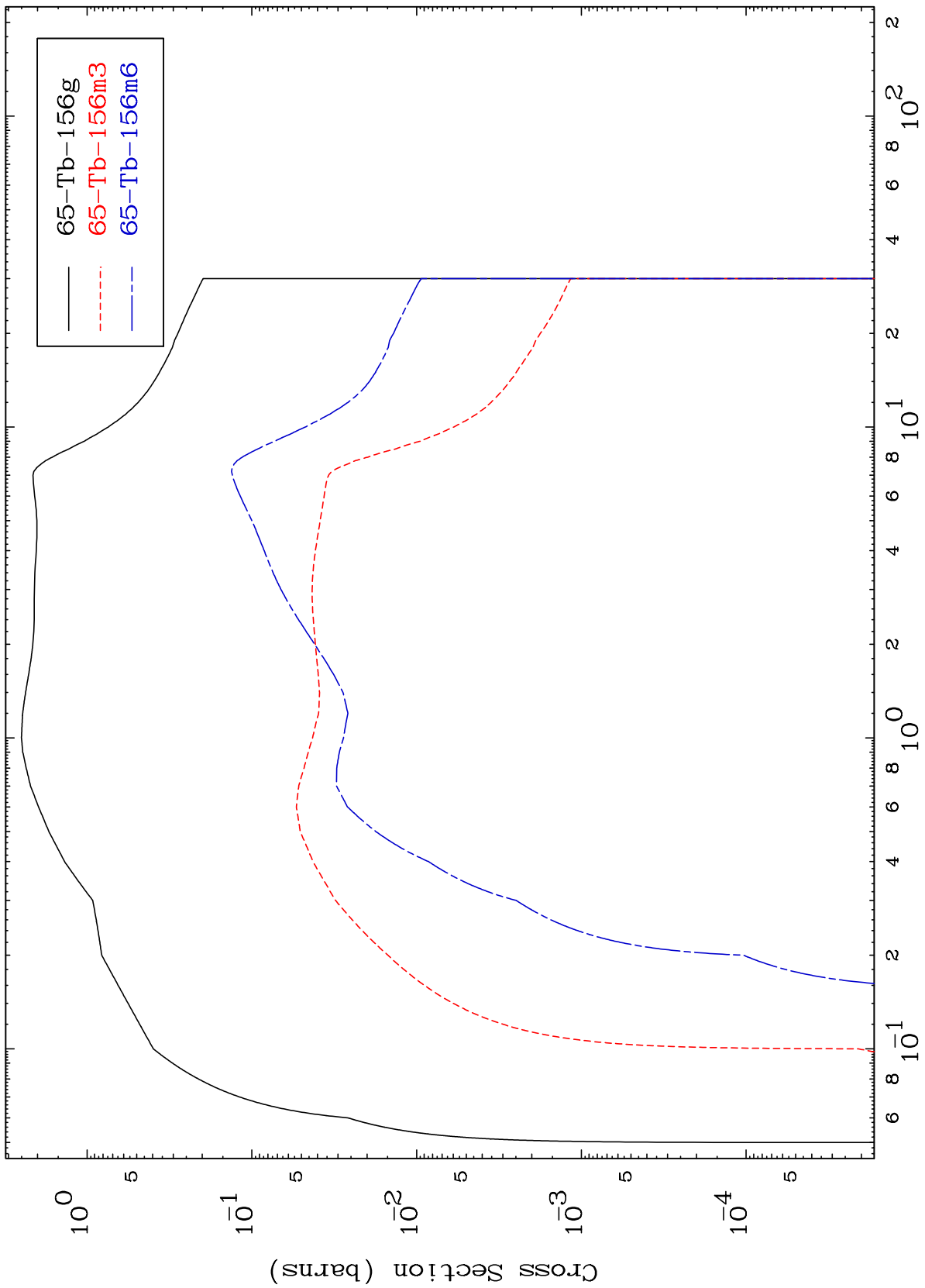




MAT 6516

65-Tb-156

Inelastic  
Radionuclide Production Cross Section



123

65-Tb-156

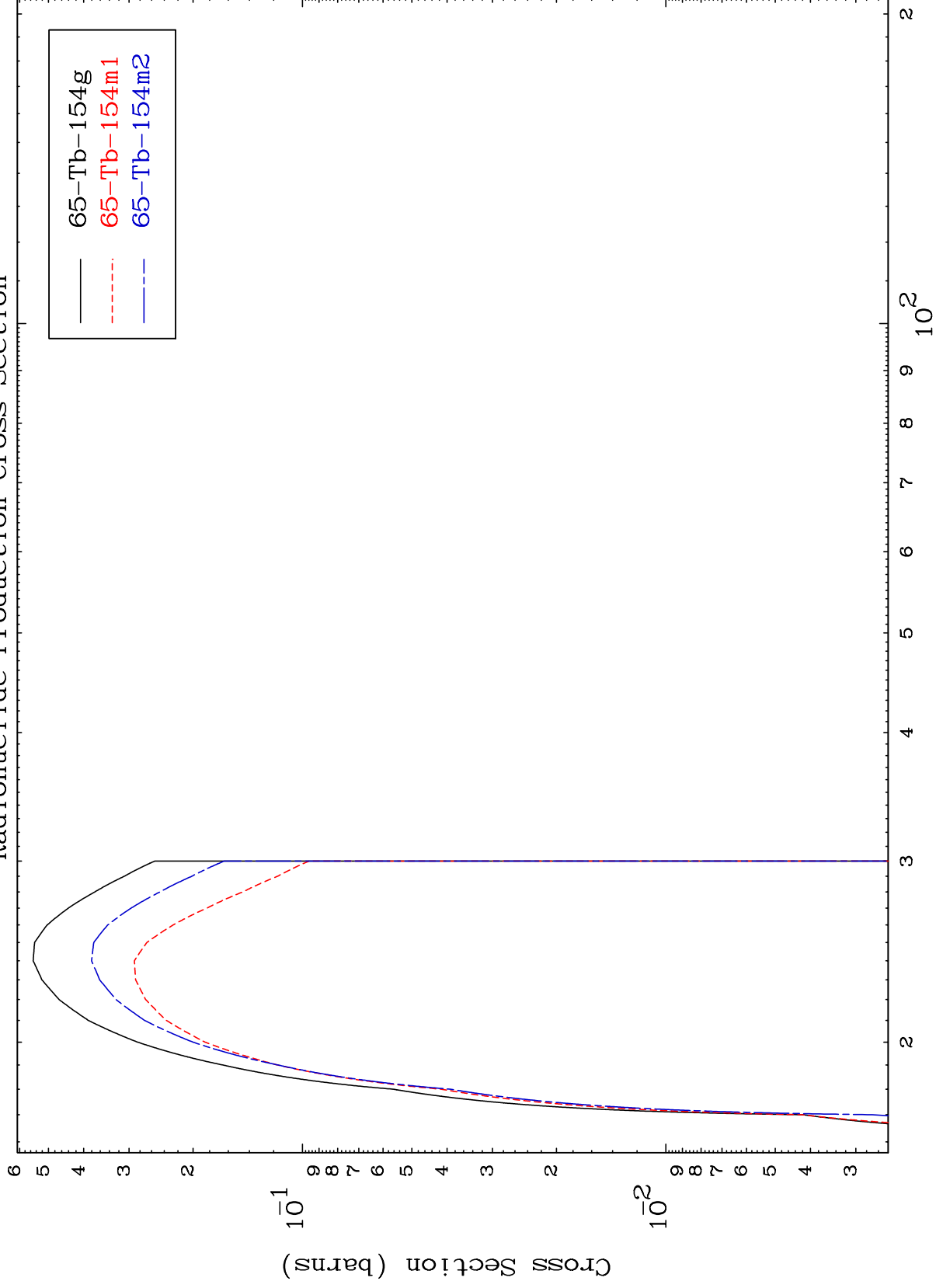
Incident Energy (MeV)

MAT 6516

(n,3n)

65-Tb-156

Radionuclide Production Cross Section



124

Incident Energy (MeV)

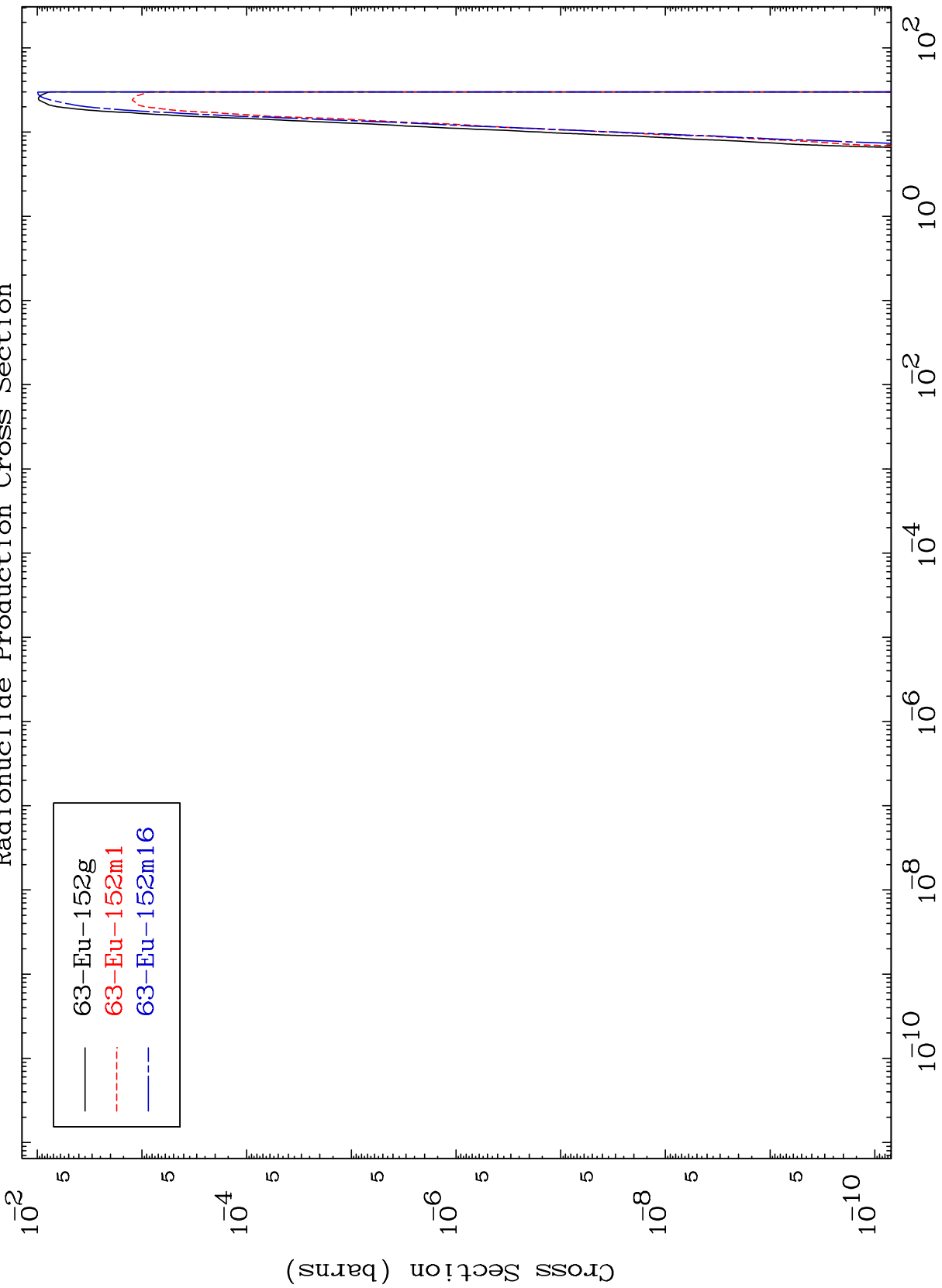
65-Tb-156

MAT 6516

$(n, n') \alpha$

65-Tb-156

Radionuclide Production Cross Section



125

Incident Energy (MeV)

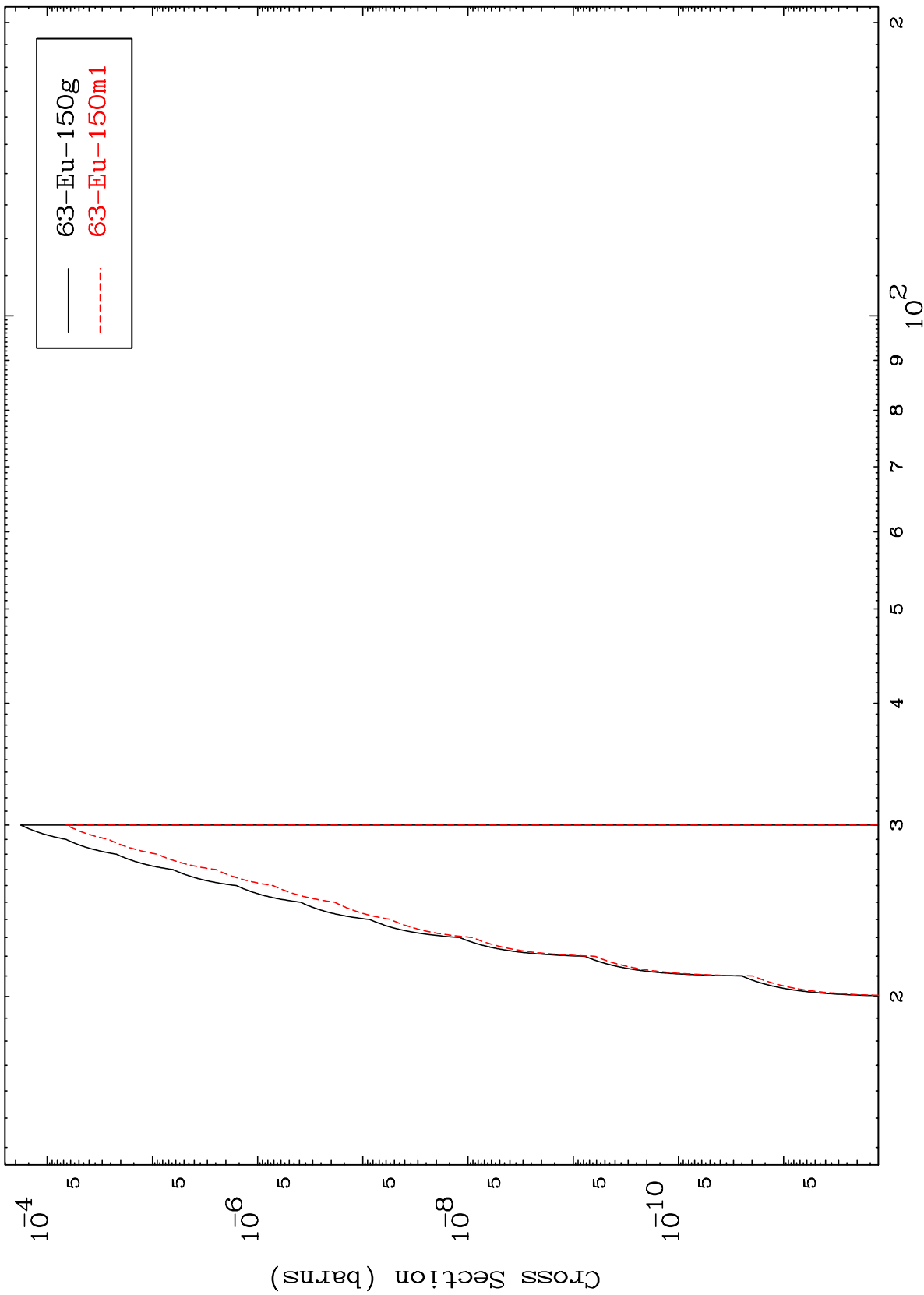
65-Tb-156

MAT 6516

(n,3n)  $\alpha$

65-Tb-156

Radionuclide Production Cross Section



126

Incident Energy (MeV)

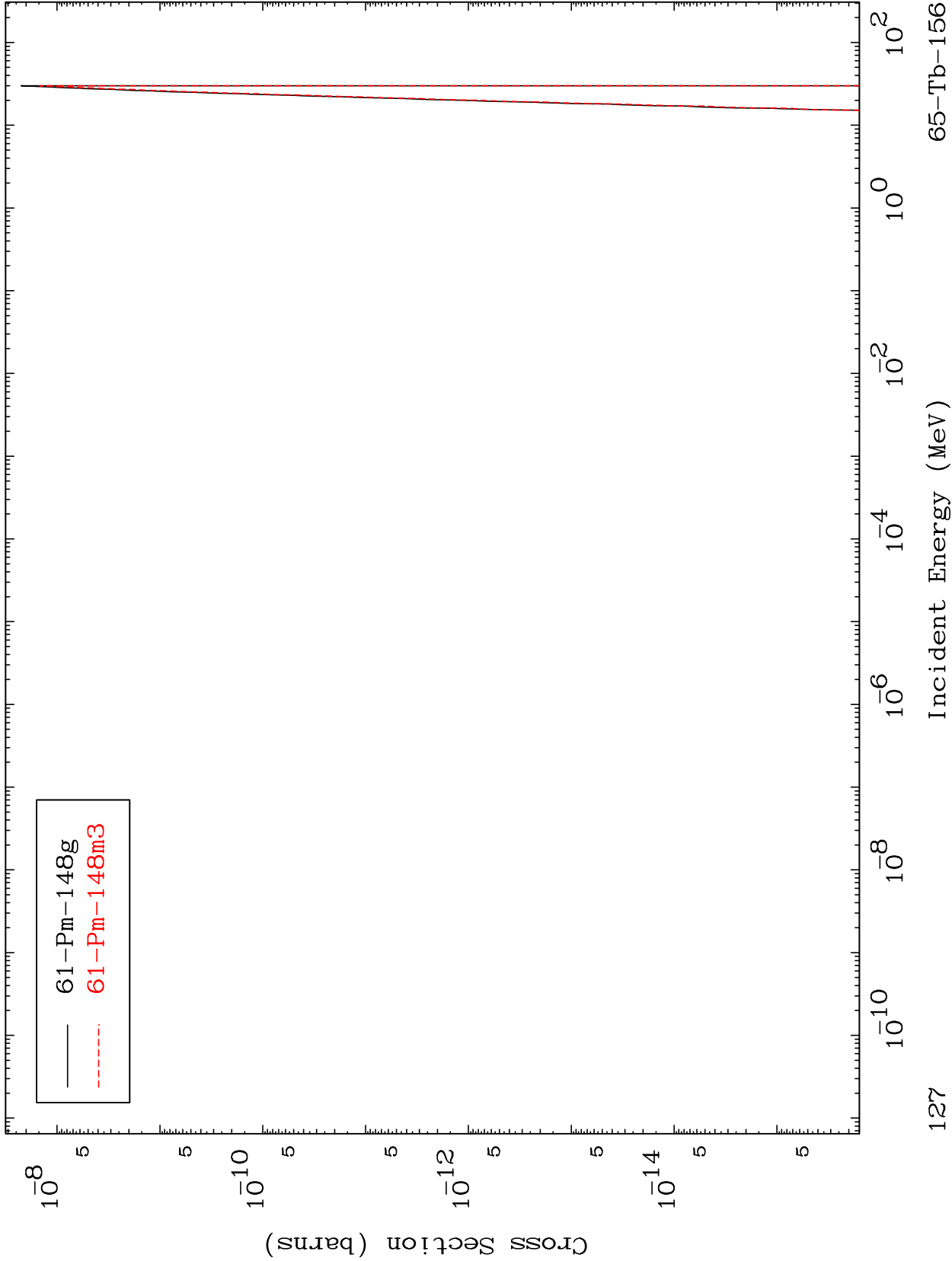
65-Tb-156

MAT 65116

(n,n') 2α

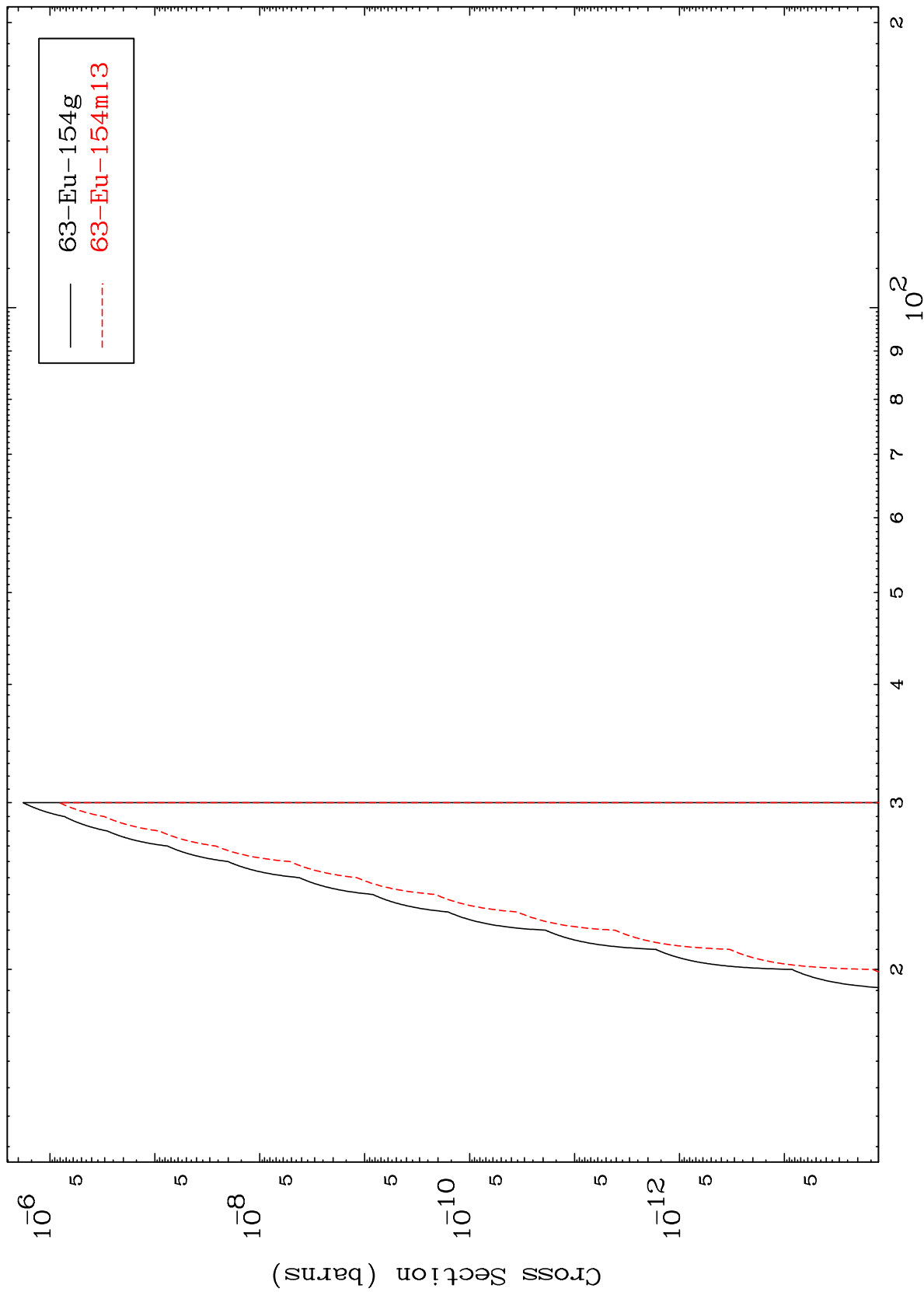
65-Tb-156

Radionuclide Production Cross Section





Radionuclide Production Cross Section

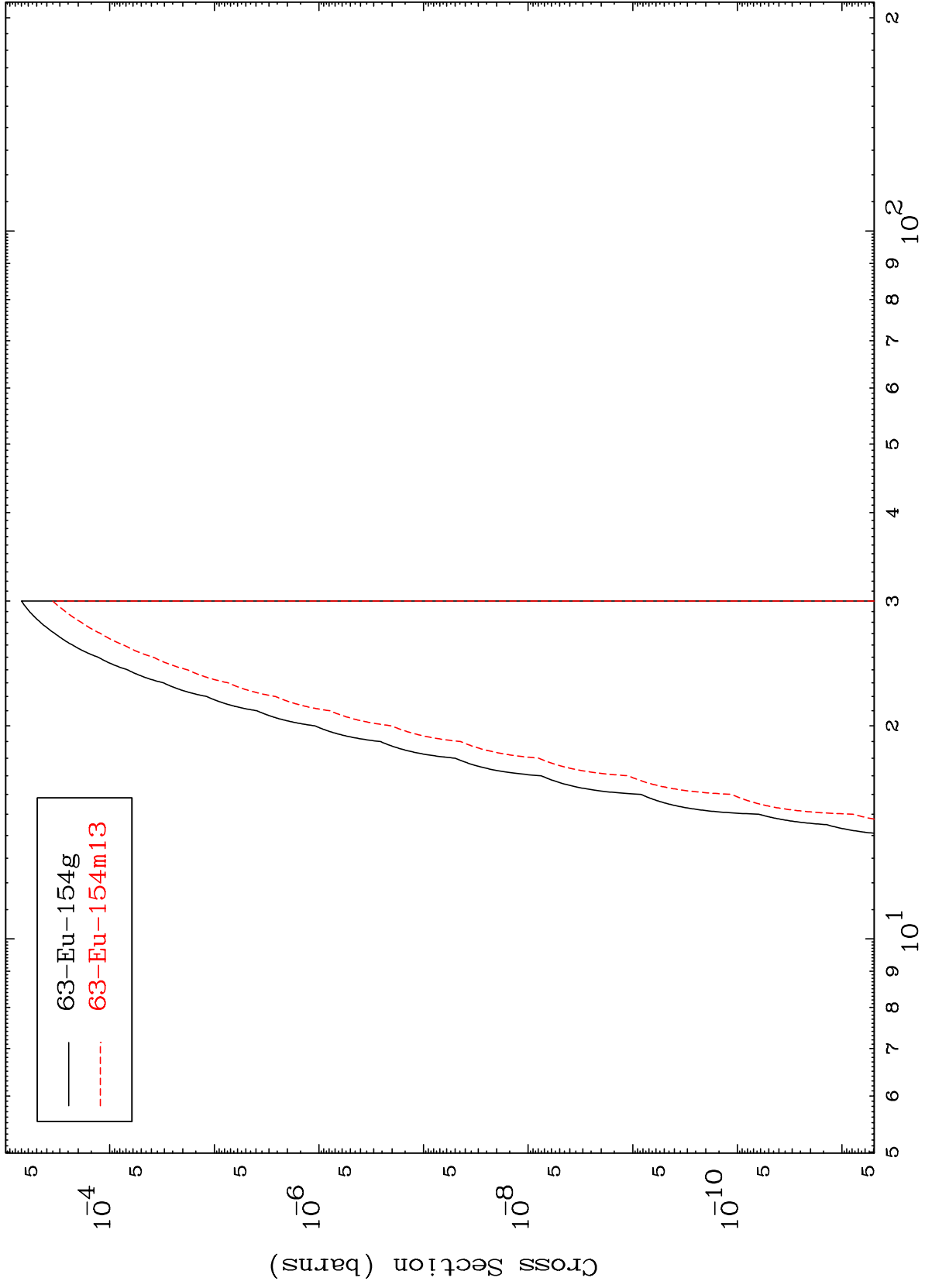


MAT 6516

(n,He-3)

65-Tb-156

Radionuclide Production Cross Section



63-Eu-154g  
63-Eu-154m13

129

Incident Energy (MeV)

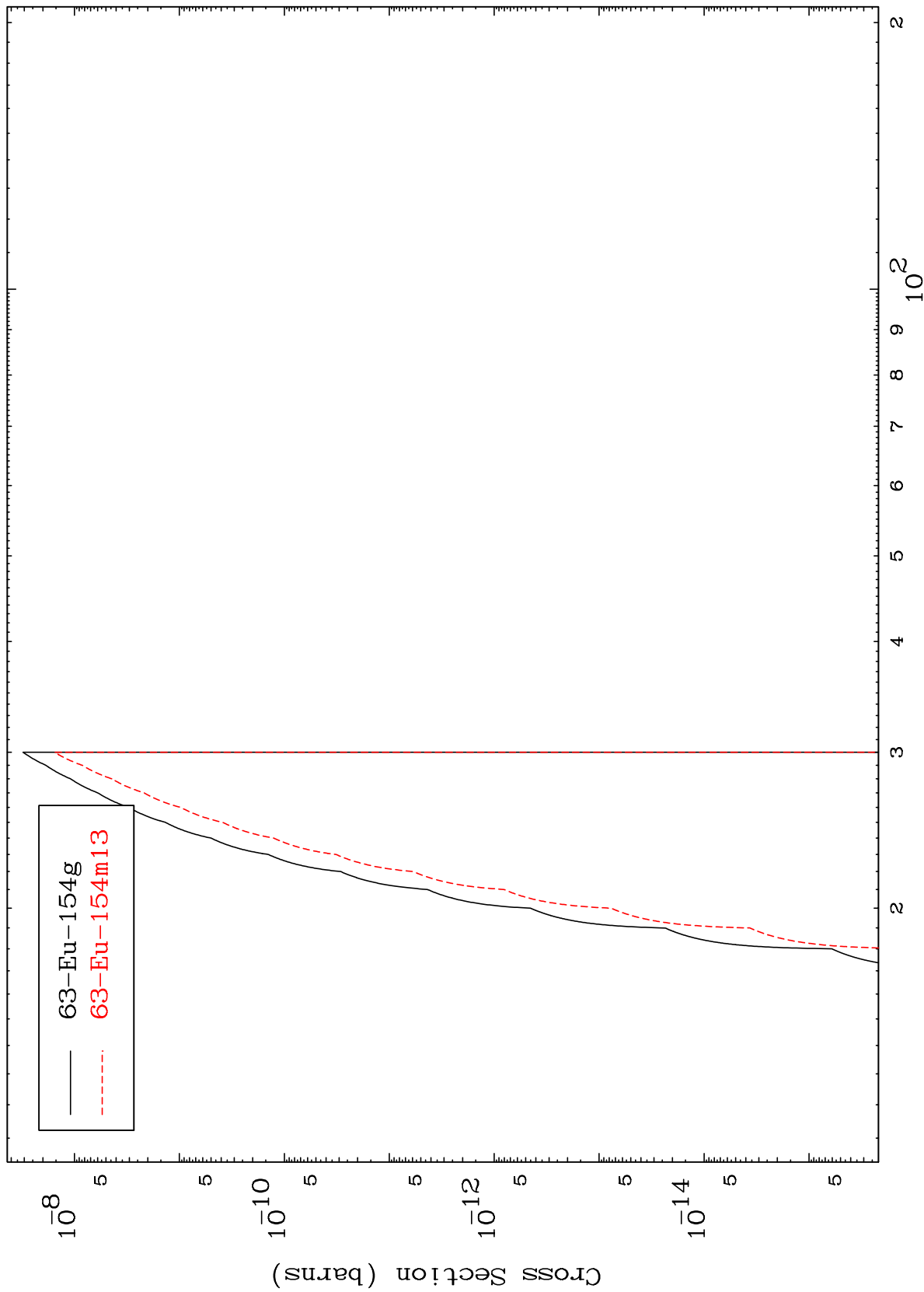
65-Tb-156

MAT 6516

(n,p) d

65-Tb-156

Radionuclide Production Cross Section



130

Incident Energy (MeV)

65-Tb-156