

Program EVALPLOT  
(Version 2018-1)

by

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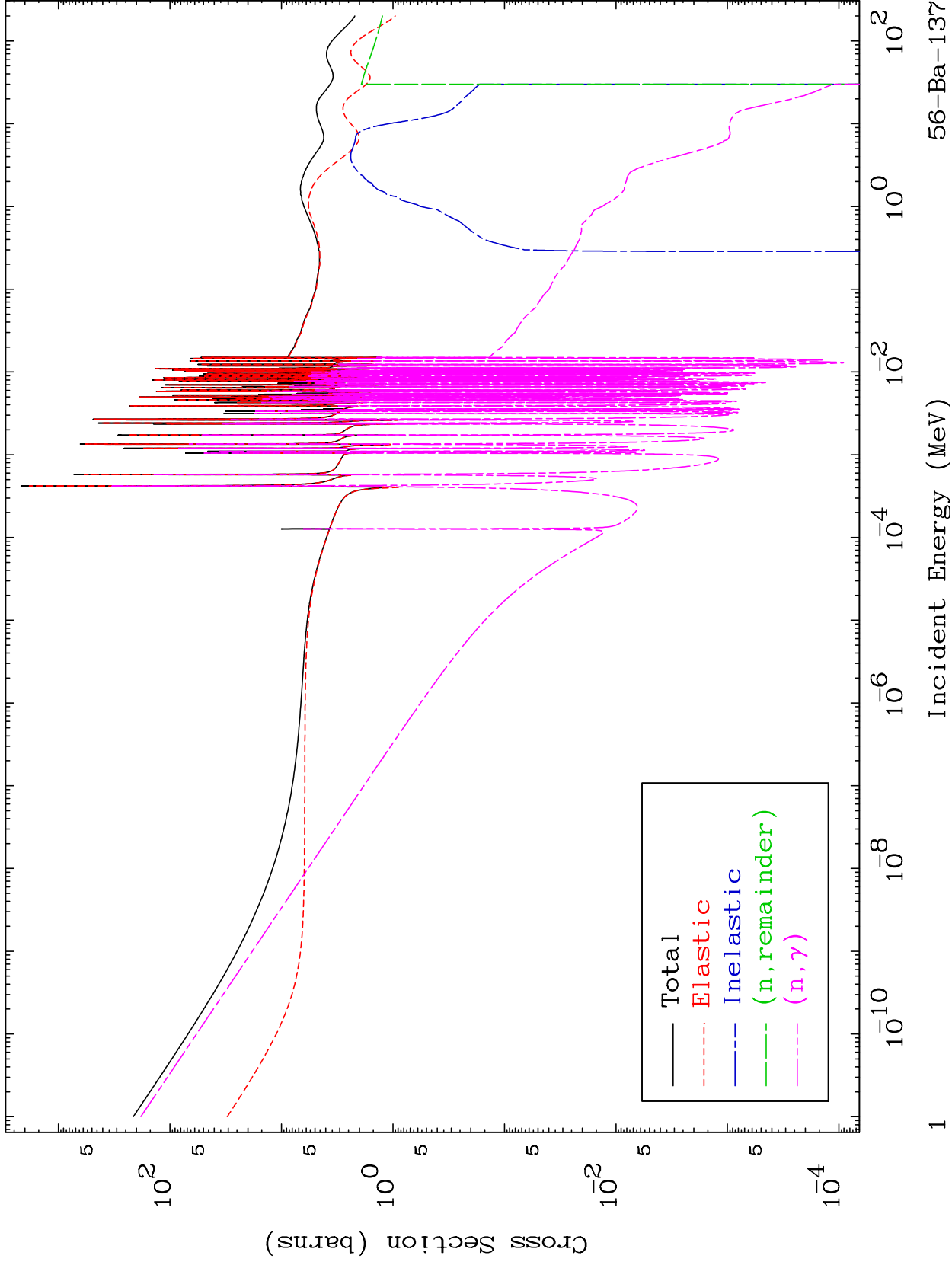
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Press Mouse Button to Start

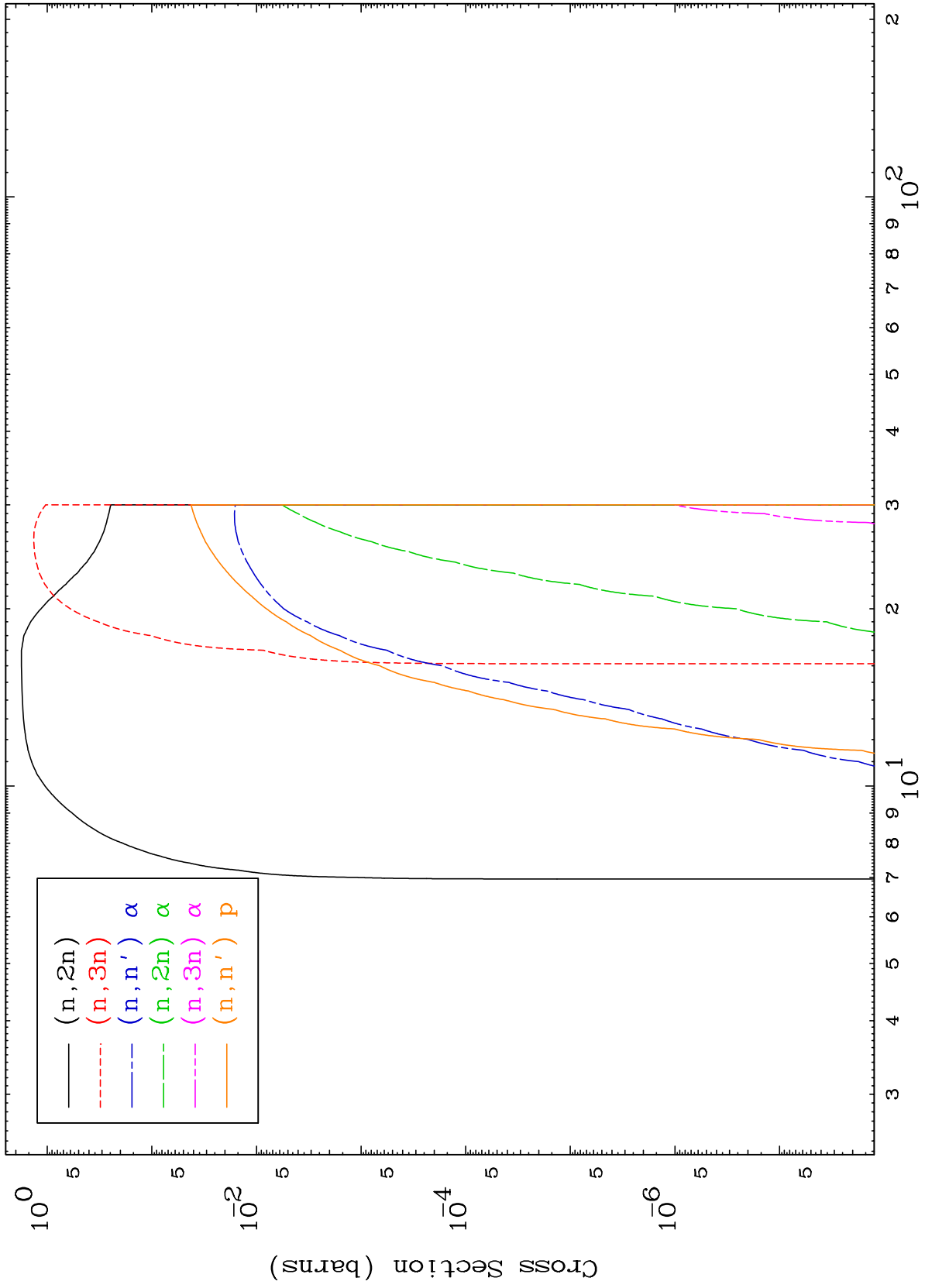
MAT 5646

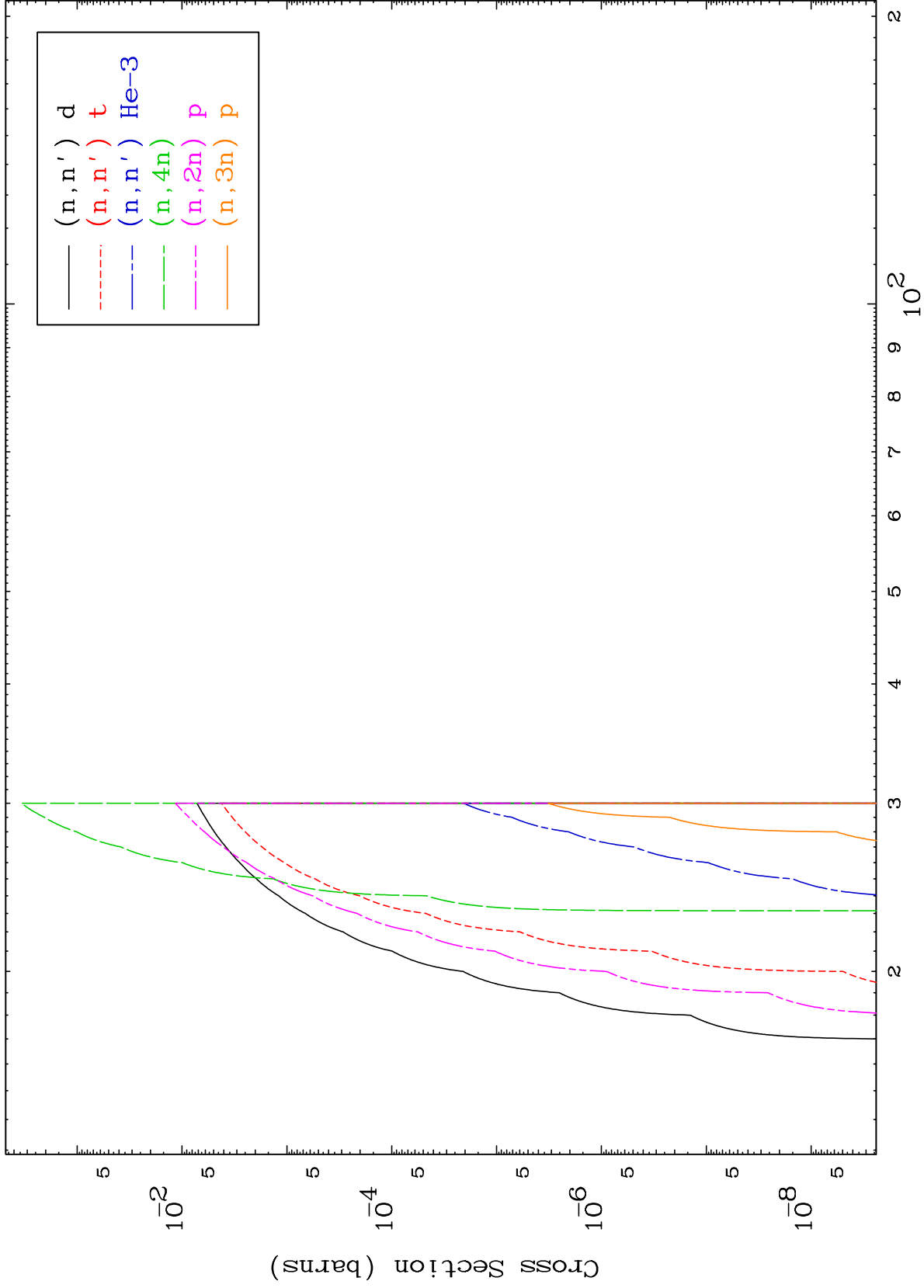
Major  
293 Kelvin Cross Sections

56-Ba-137



Neutron Production  
293 Kelvin Cross Sections

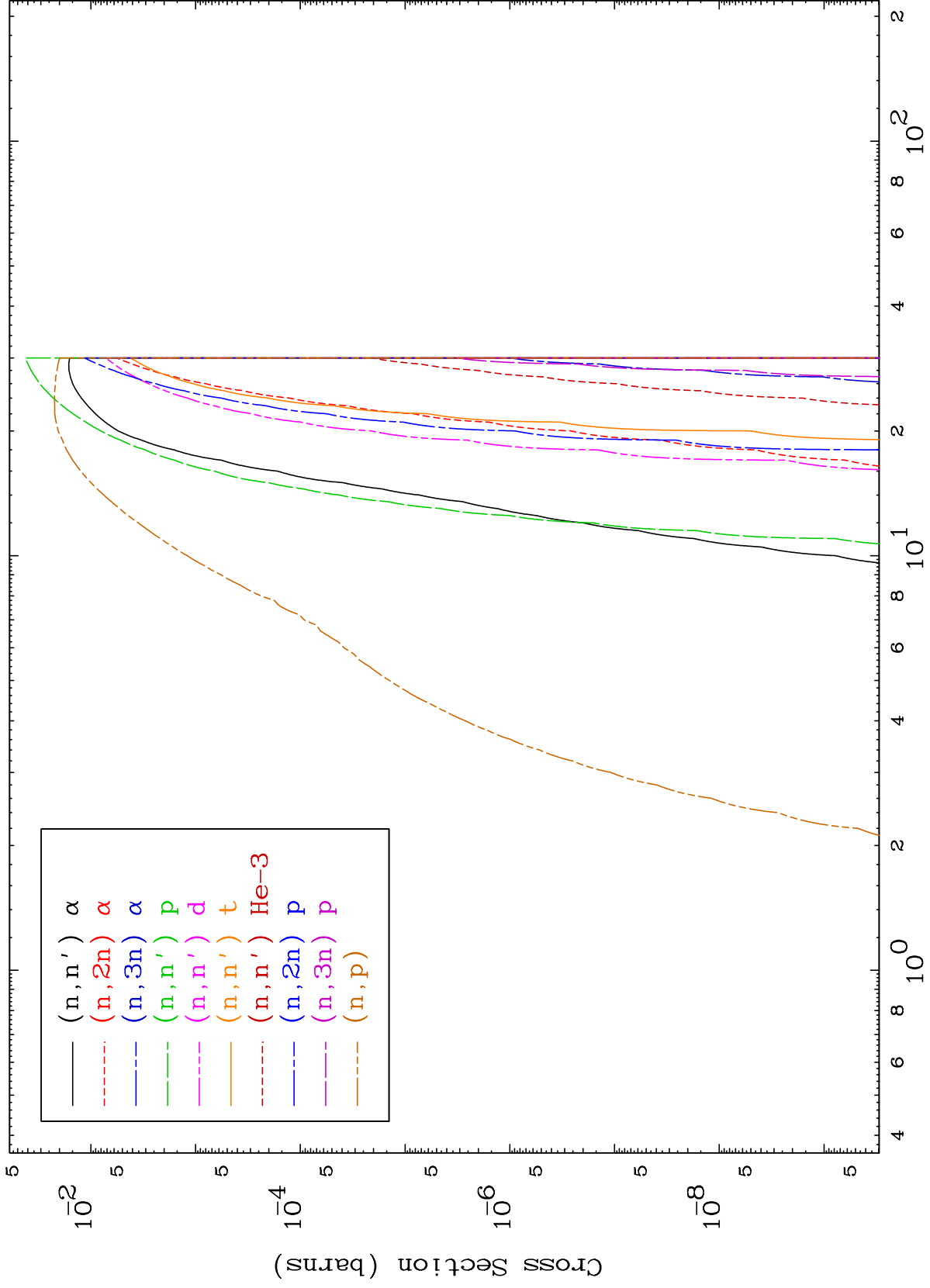




MAT 5646

Charged Particle  
293 Kelvin Cross Sections

56-Ba-137



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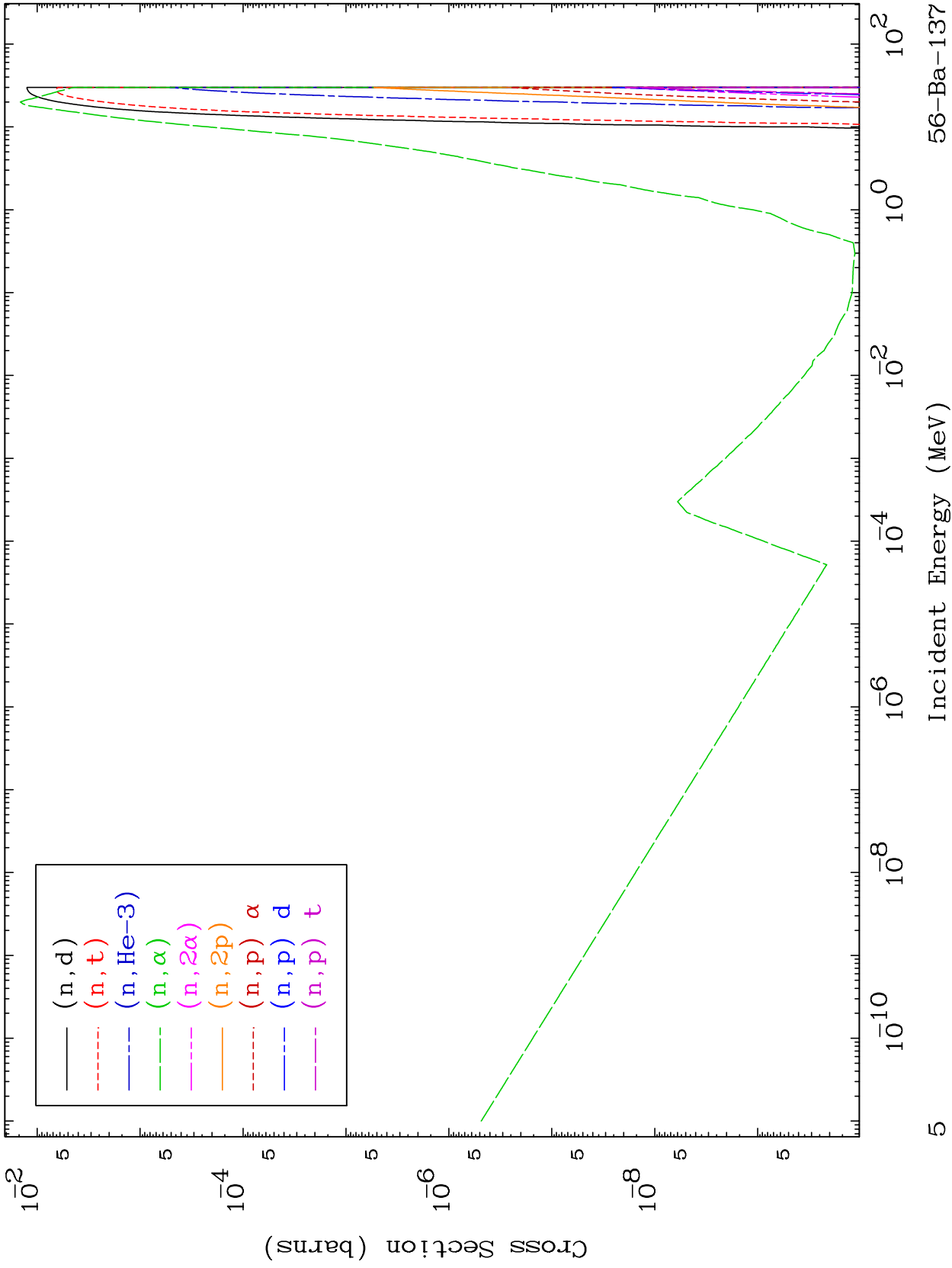
Incident Energy (MeV)

56-Ba-137

MAT 5646

Charged Particle  
293 Kelvin Cross Sections

56-Ba-137

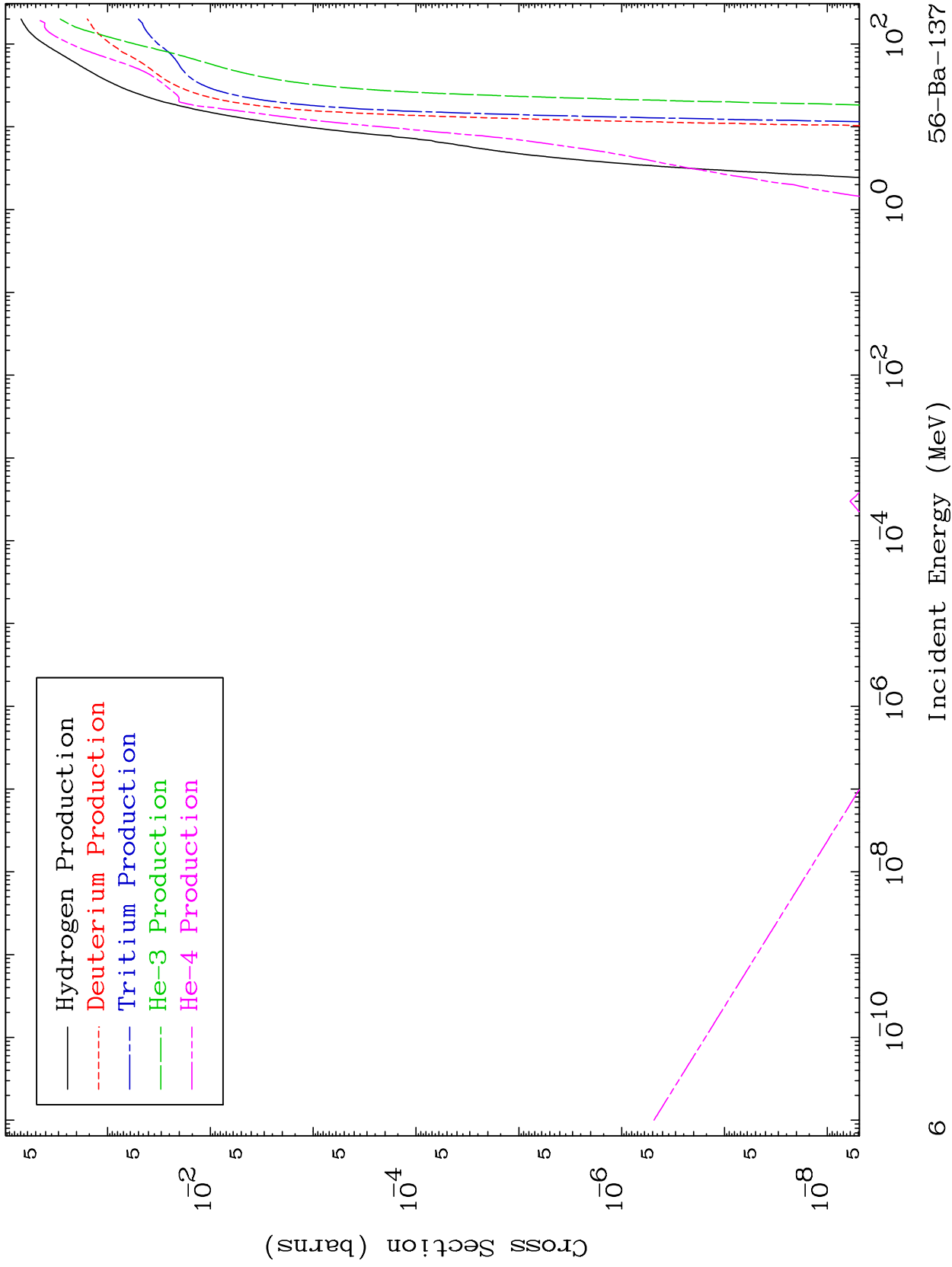


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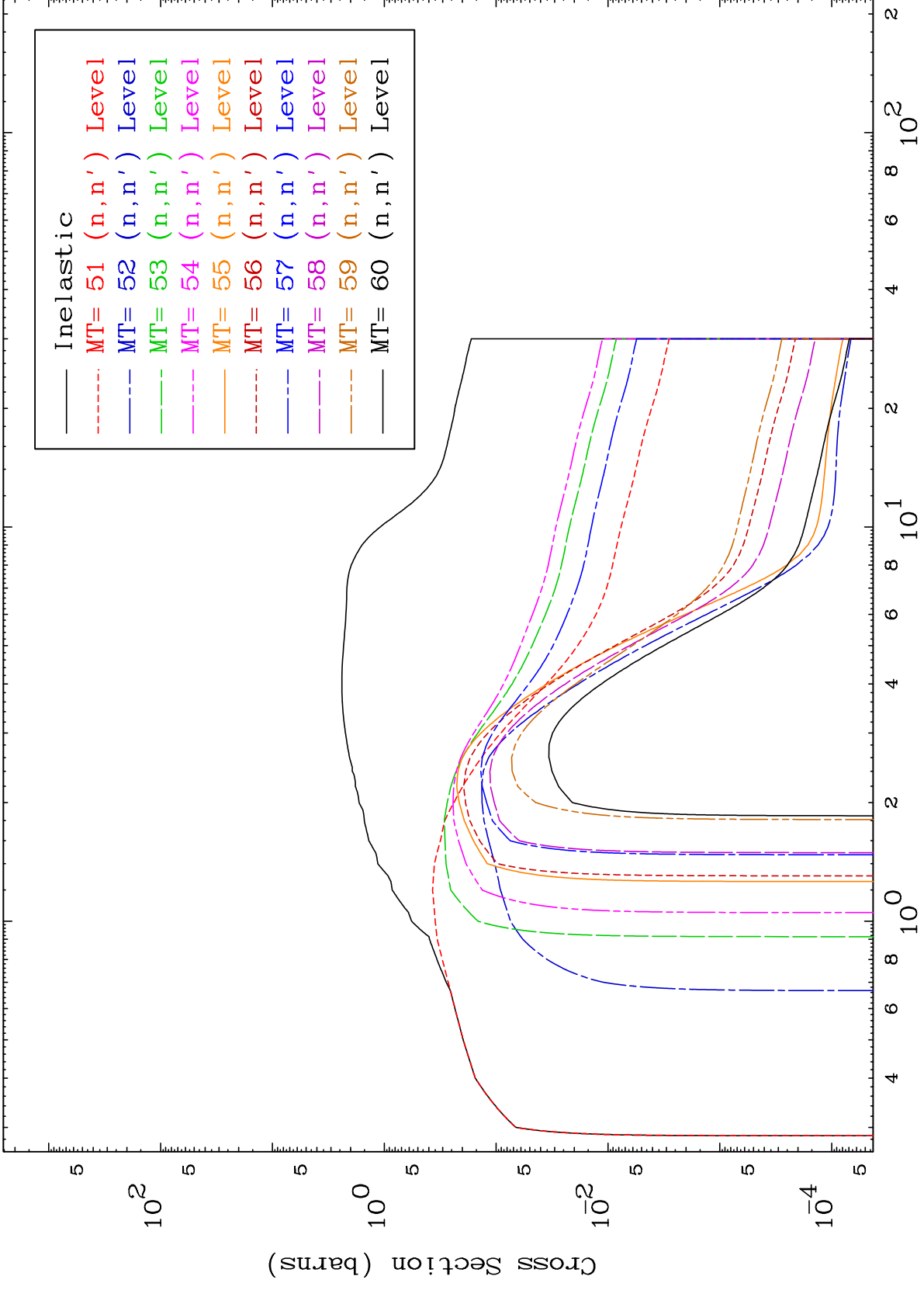
MAT 5646

Particle Production  
293 Kelvin Cross Sections

56-Ba-137



293 Kelvin Cross Sections



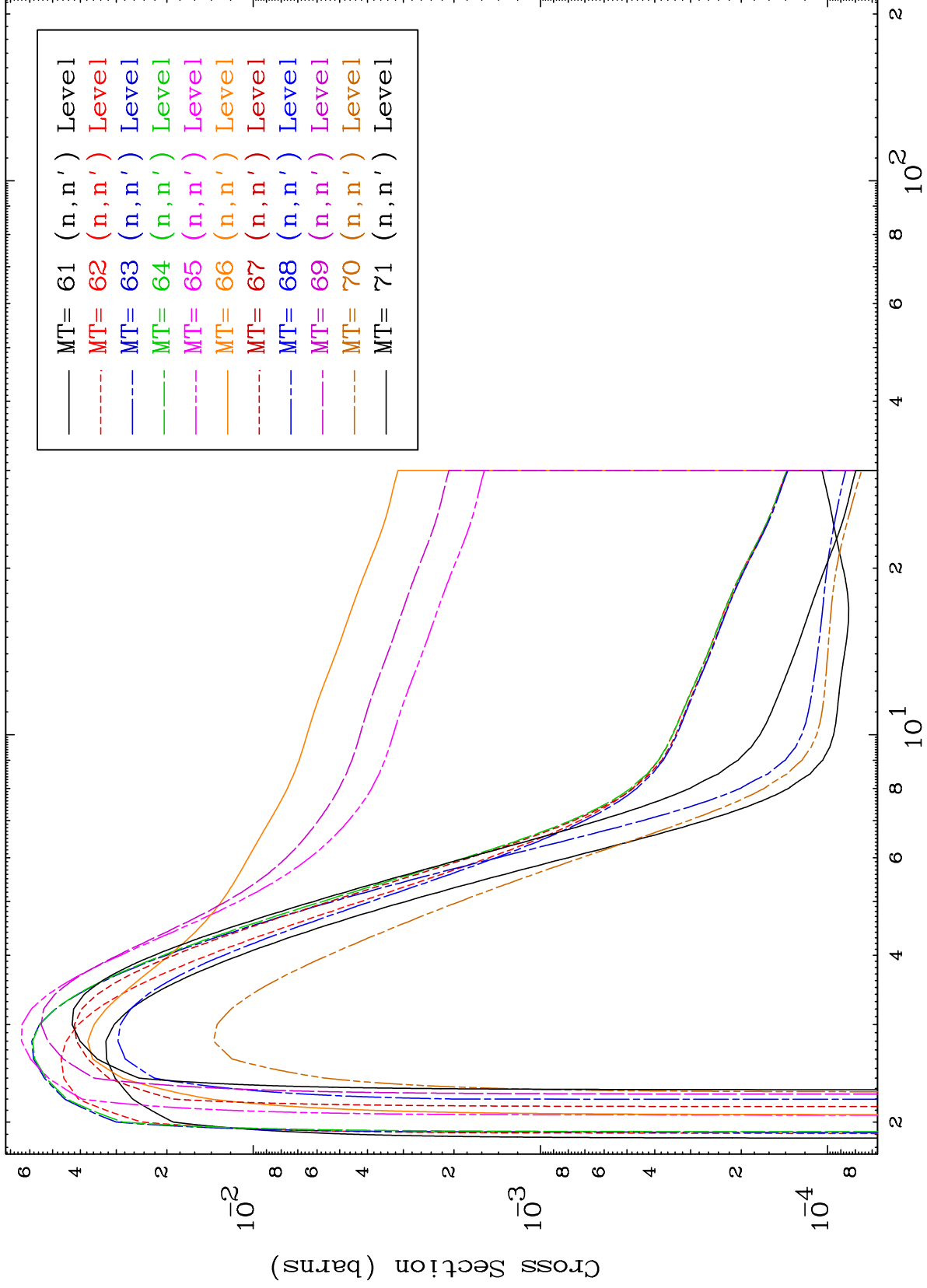


MAT 5646

(n,n') Level

56-Ba-137

293 Kelvin Cross Sections

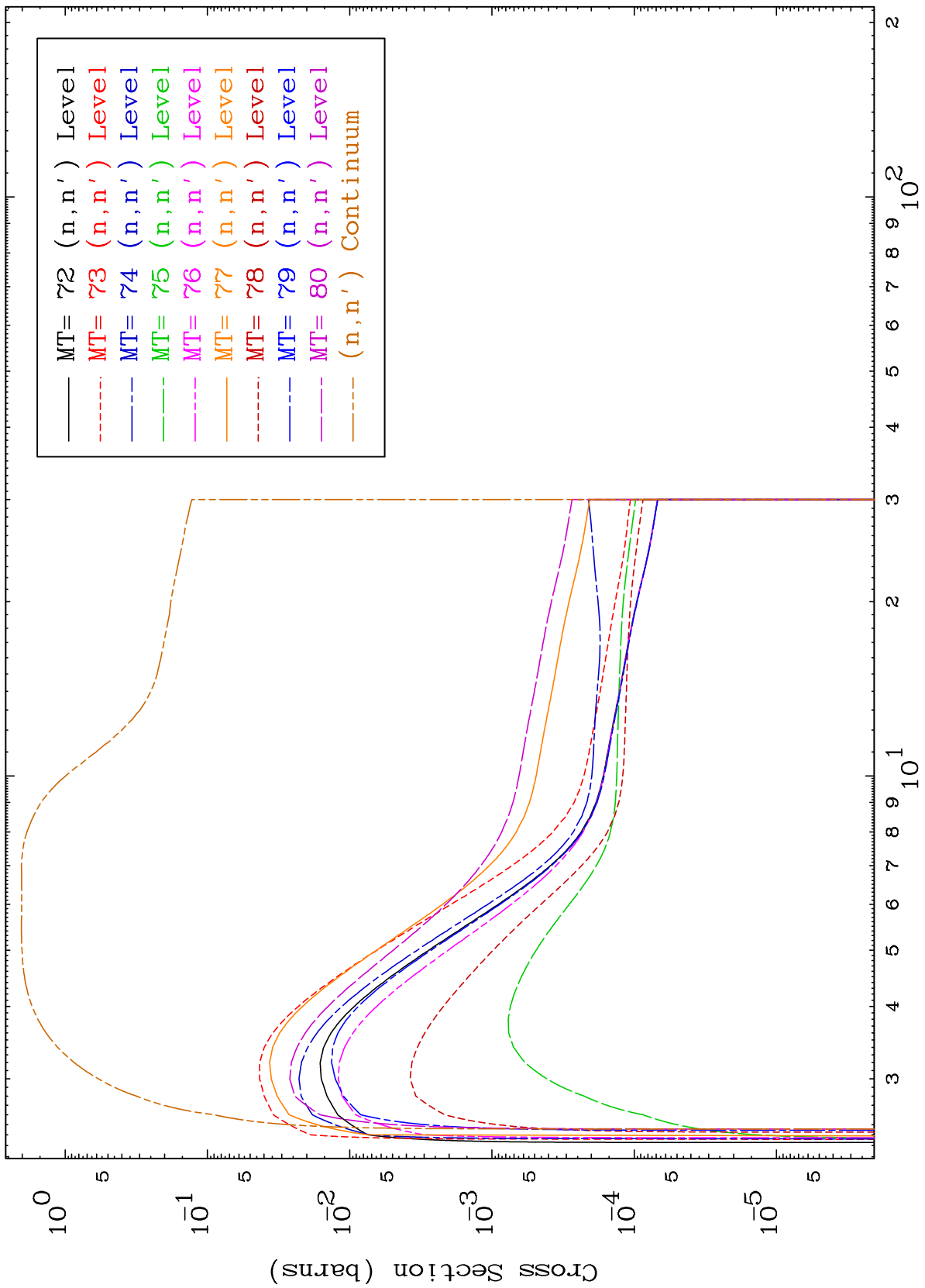


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Incident Energy (MeV)

56-Ba-137

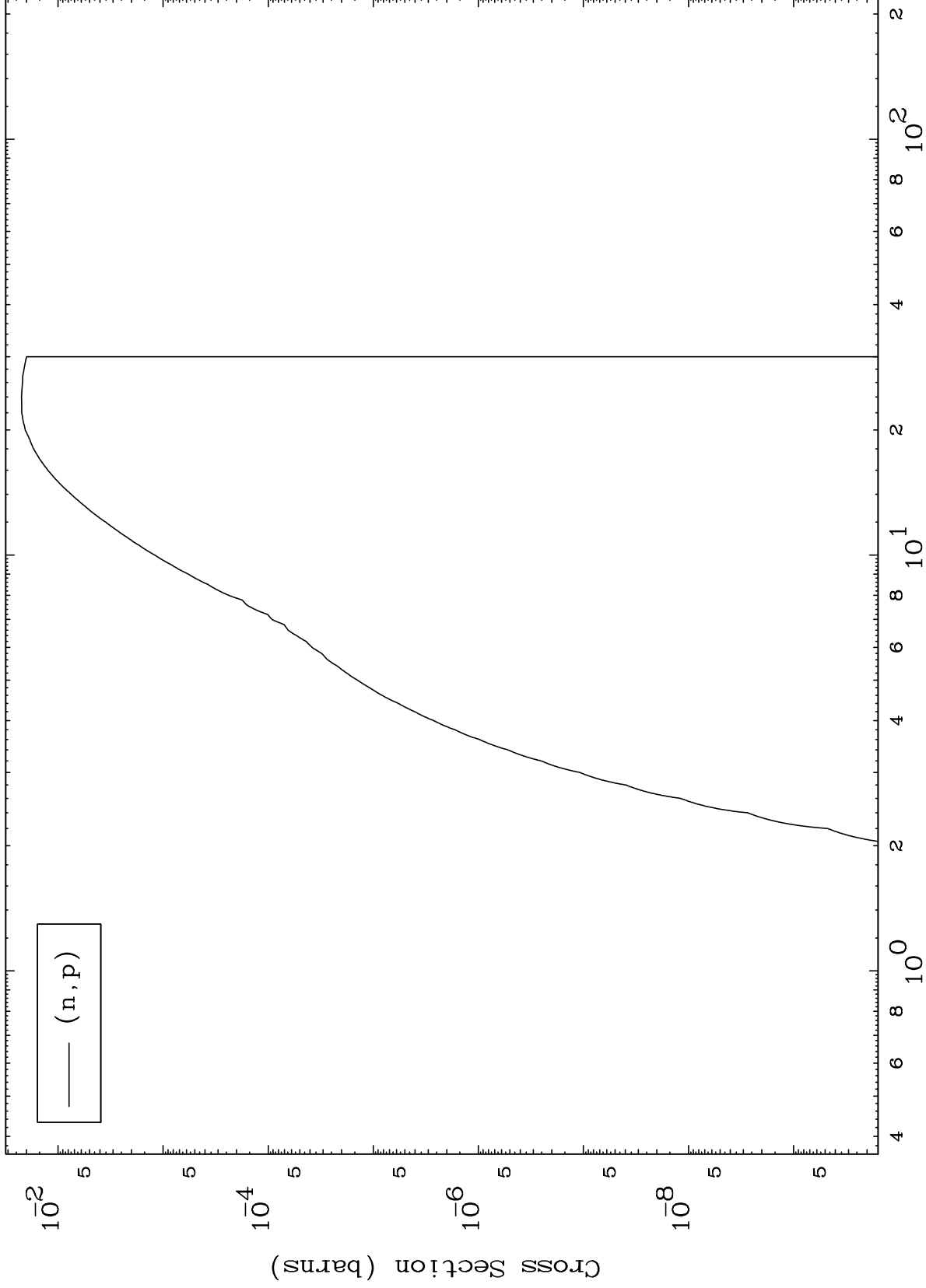
293 Kelvin Cross Sections



MAT 5646

(n,p) Levels  
293 Kelvin Cross Sections

56-Ba-137



10

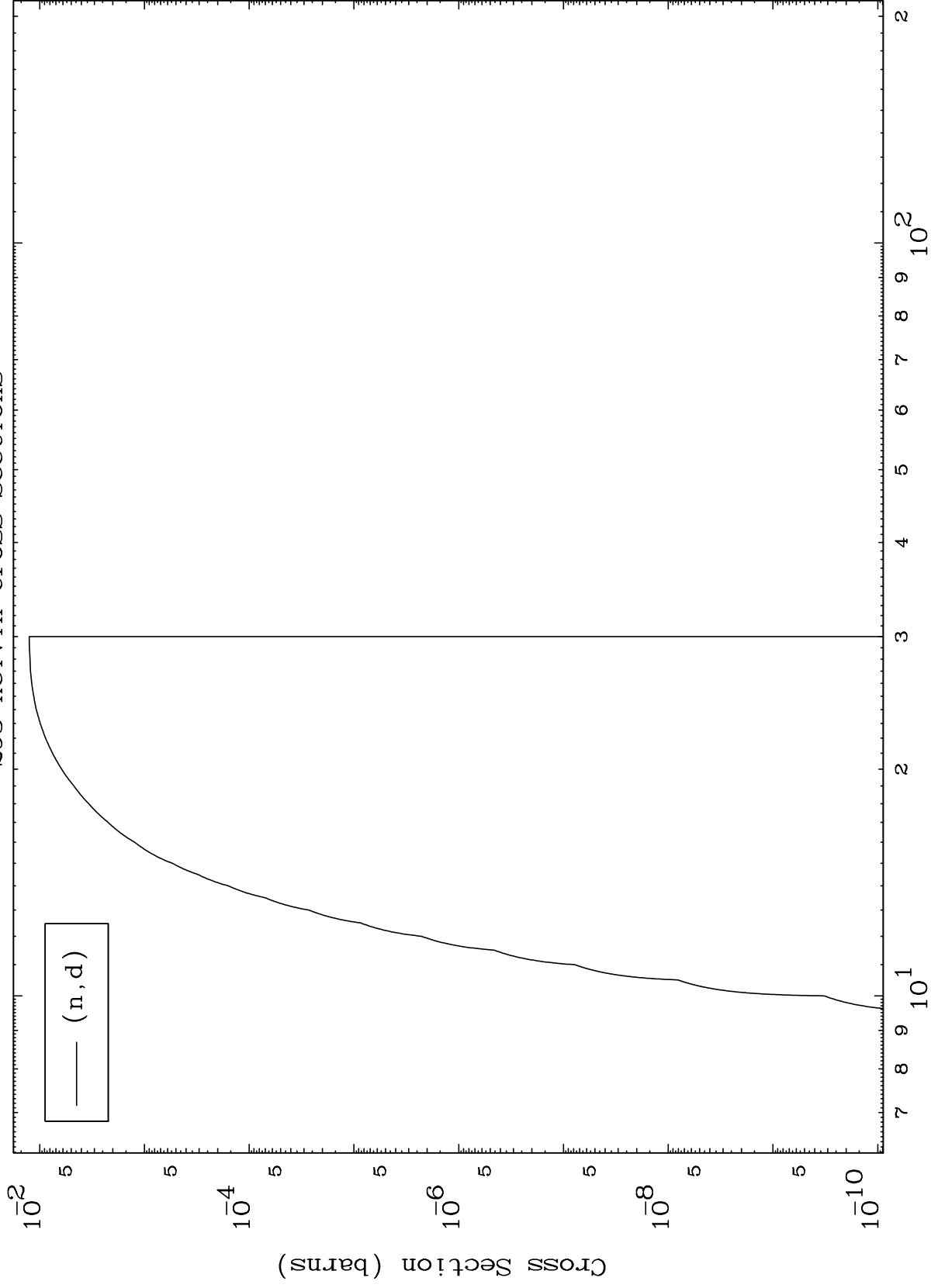
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,d) Levels  
293 Kelvin Cross Sections

56-Ba-137



11

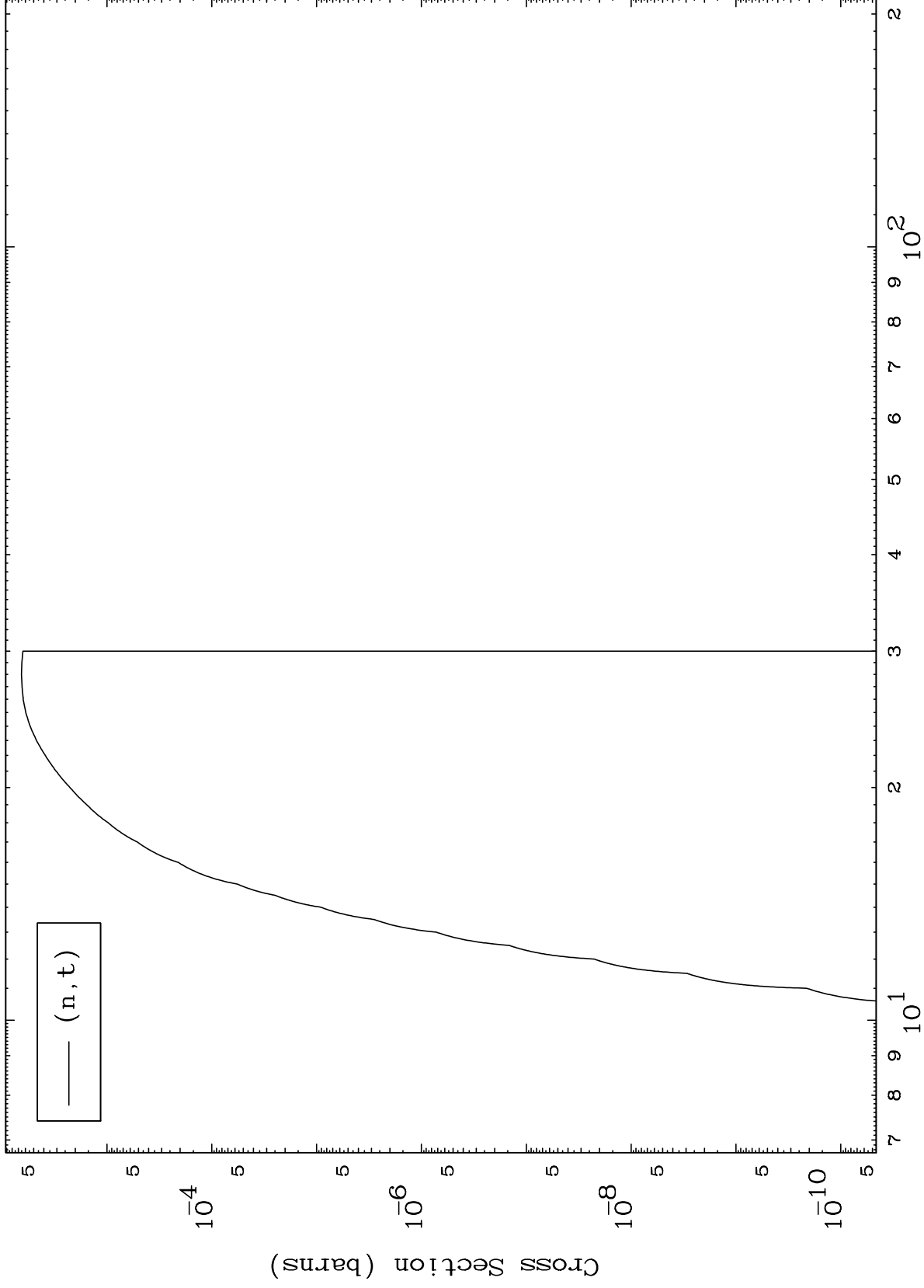
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,t) Levels  
293 Kelvin Cross Sections

56-Ba-137



12

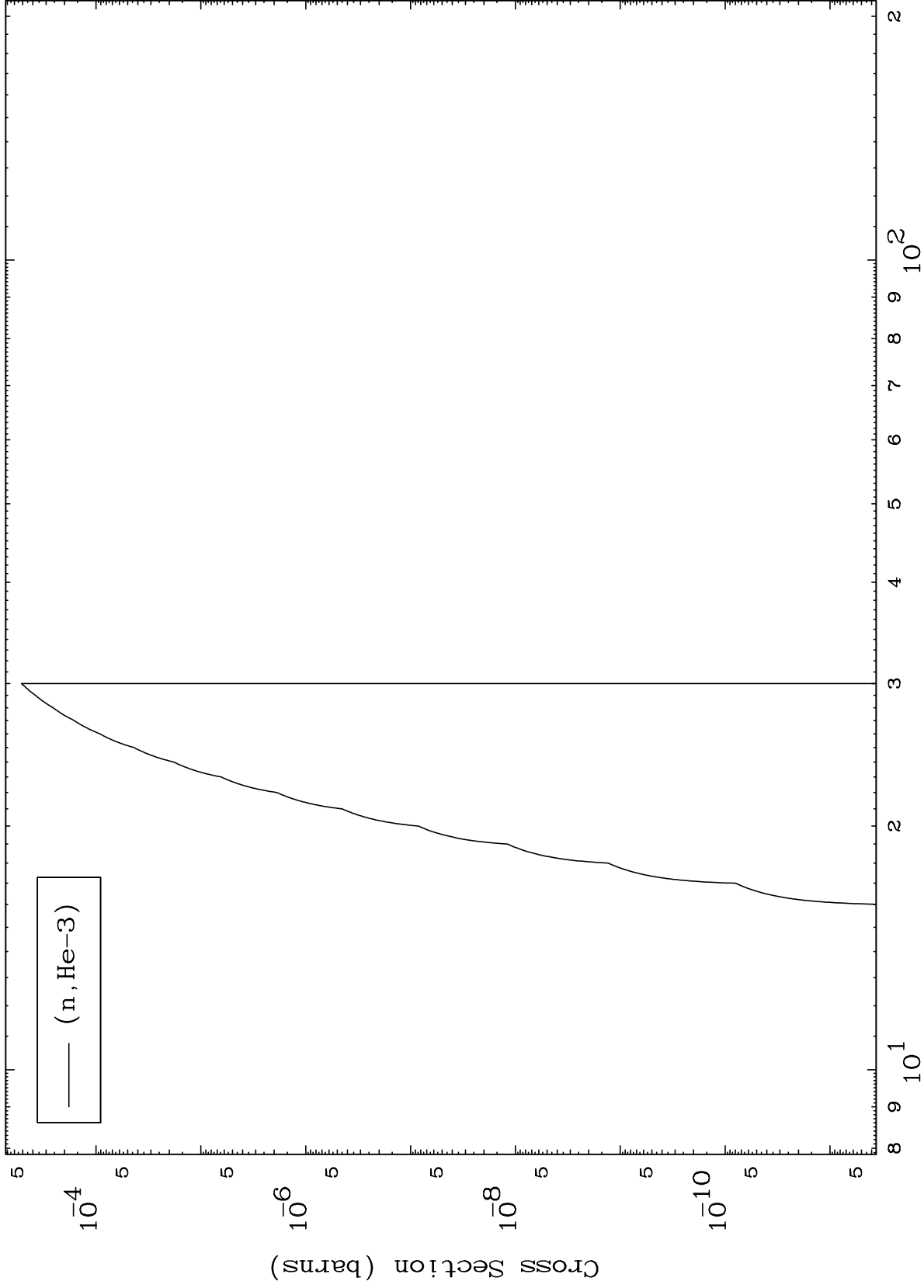
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,He3) Levels  
293 Kelvin Cross Sections

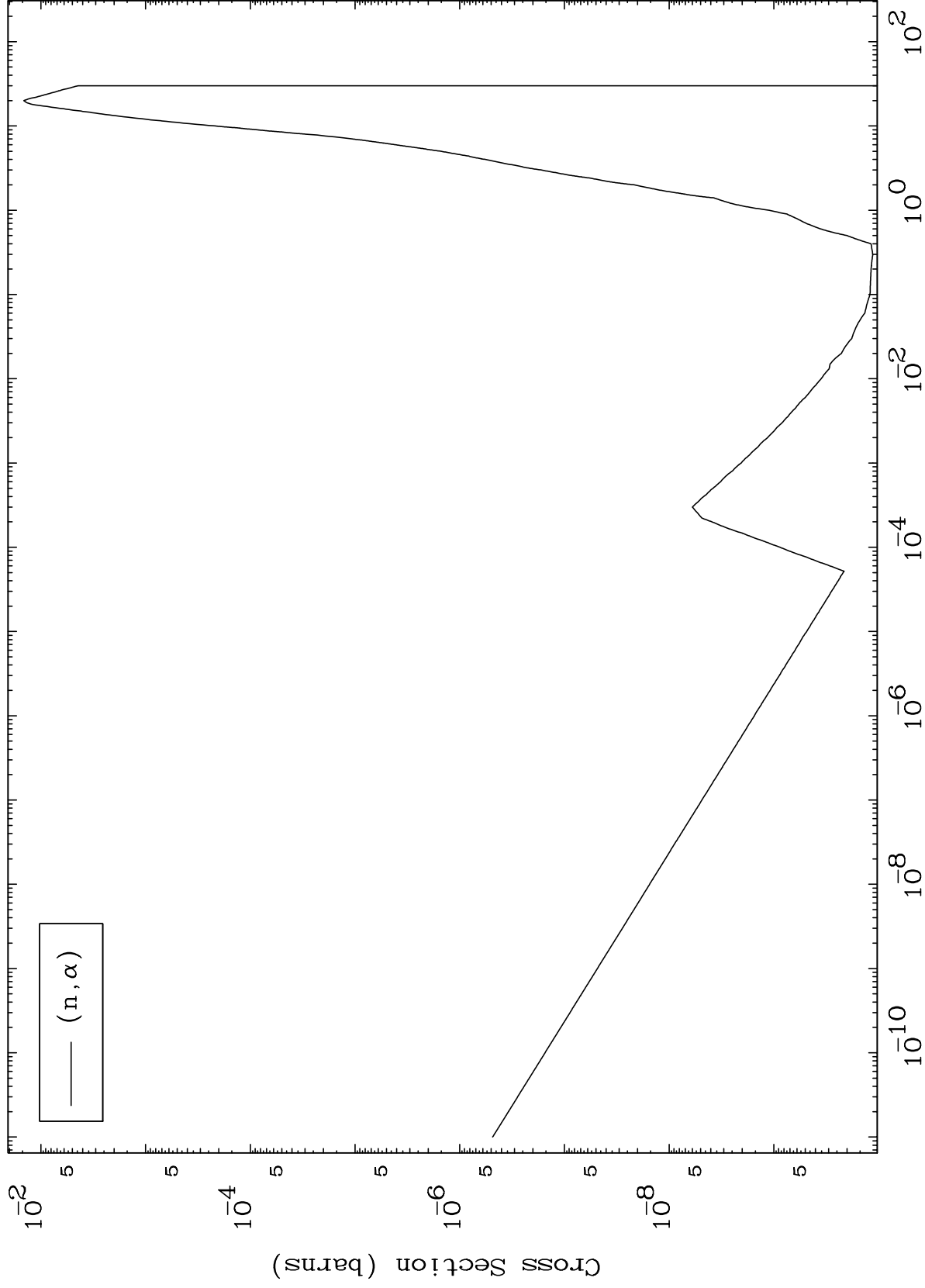
56-Ba-137

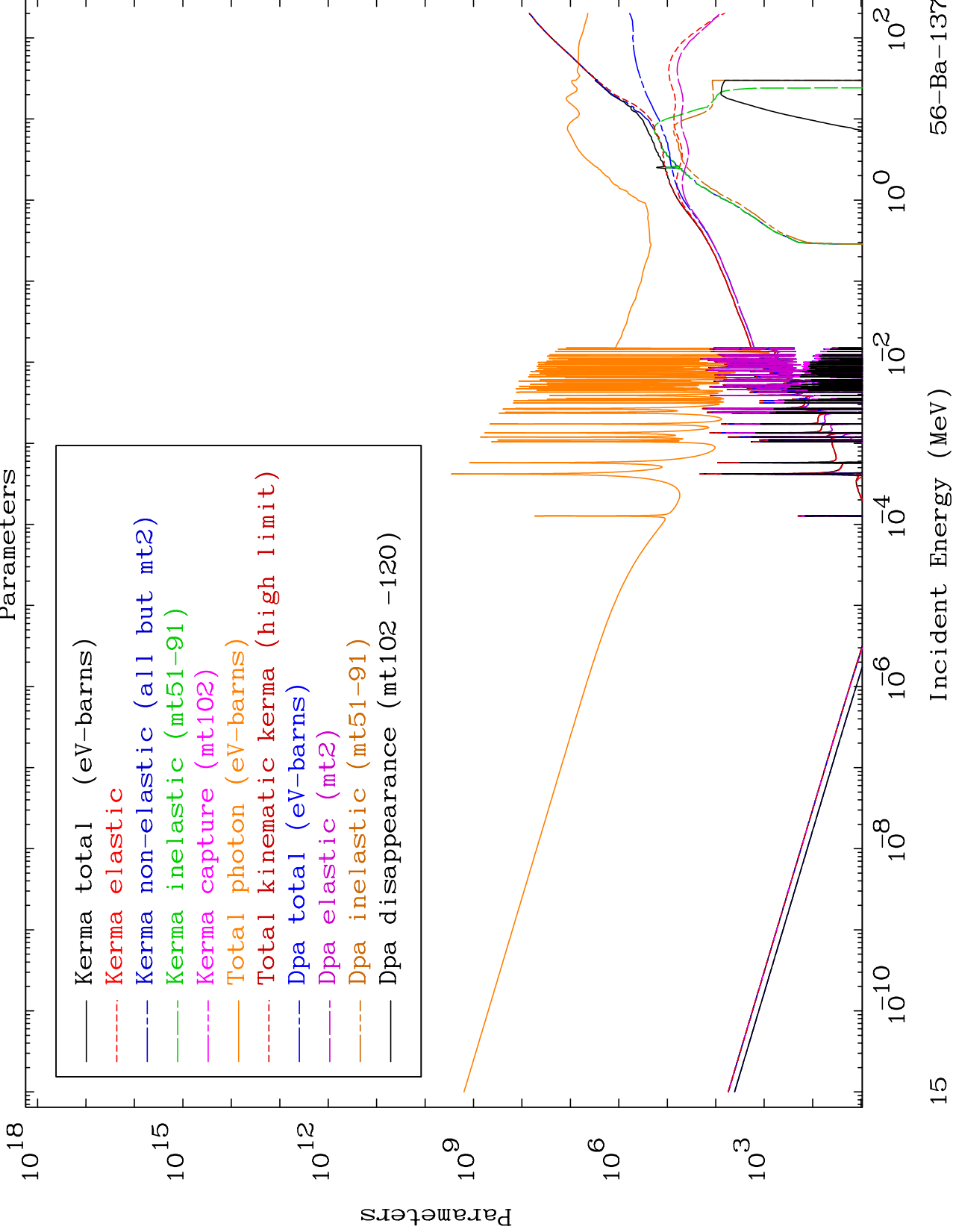


MAT 5646

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

56-Ba-137



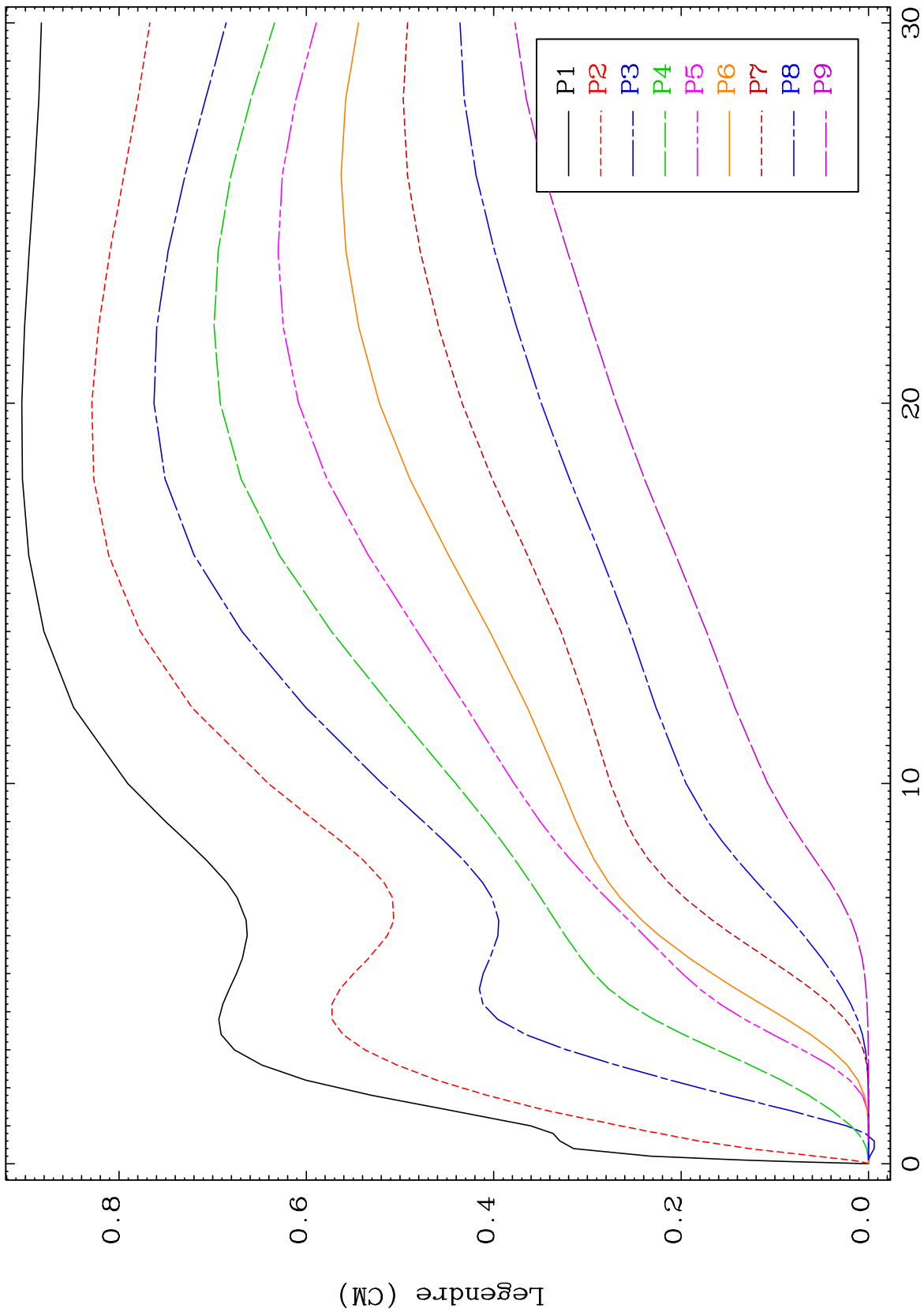




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Elastic Legendre Coefficients

<sup>56</sup>Ba-137



16

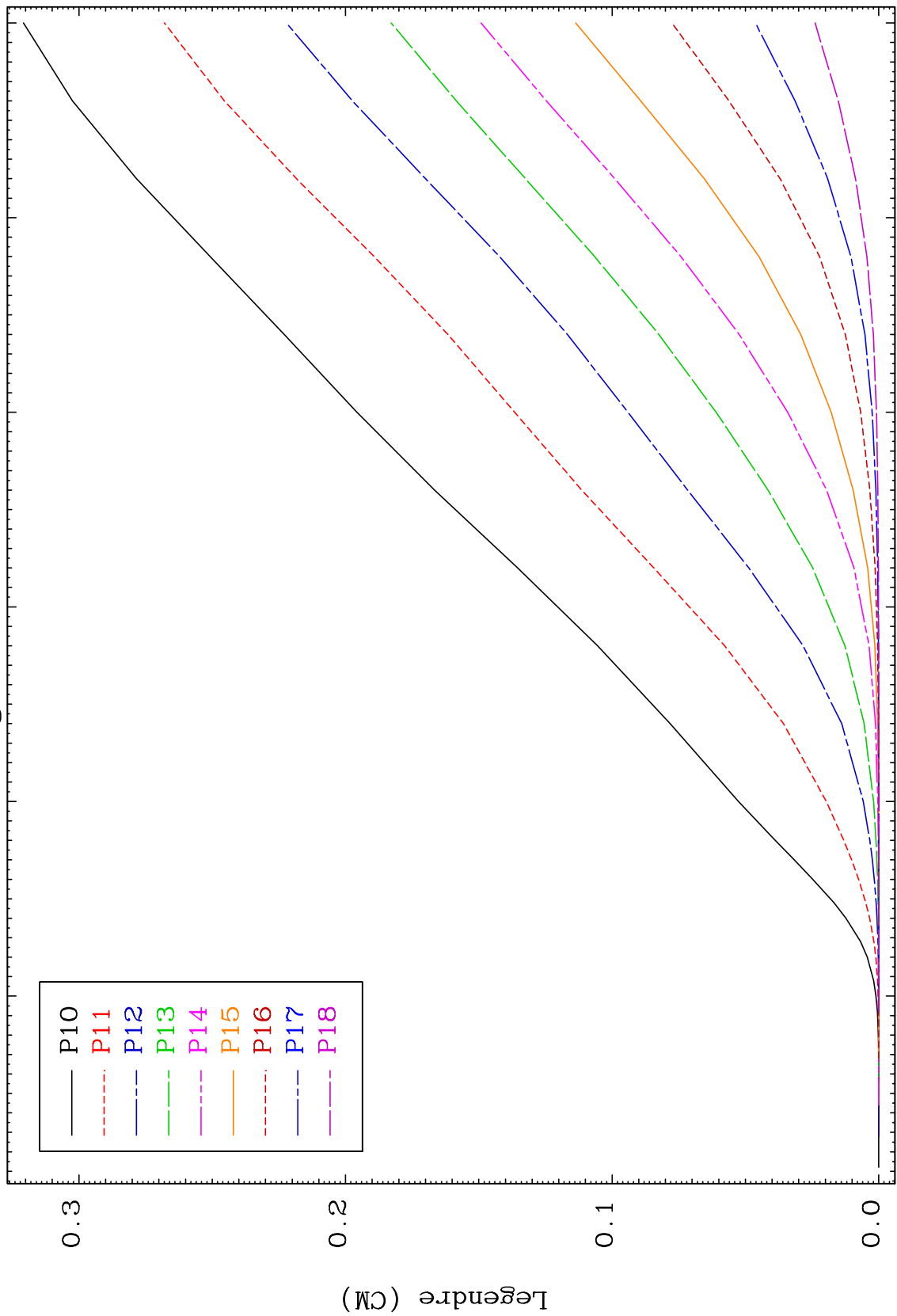
Incident Energy (MeV)

<sup>56</sup>Ba-137

MAT 5646

Elastic Legendre Coefficients

56-Ba-137



17

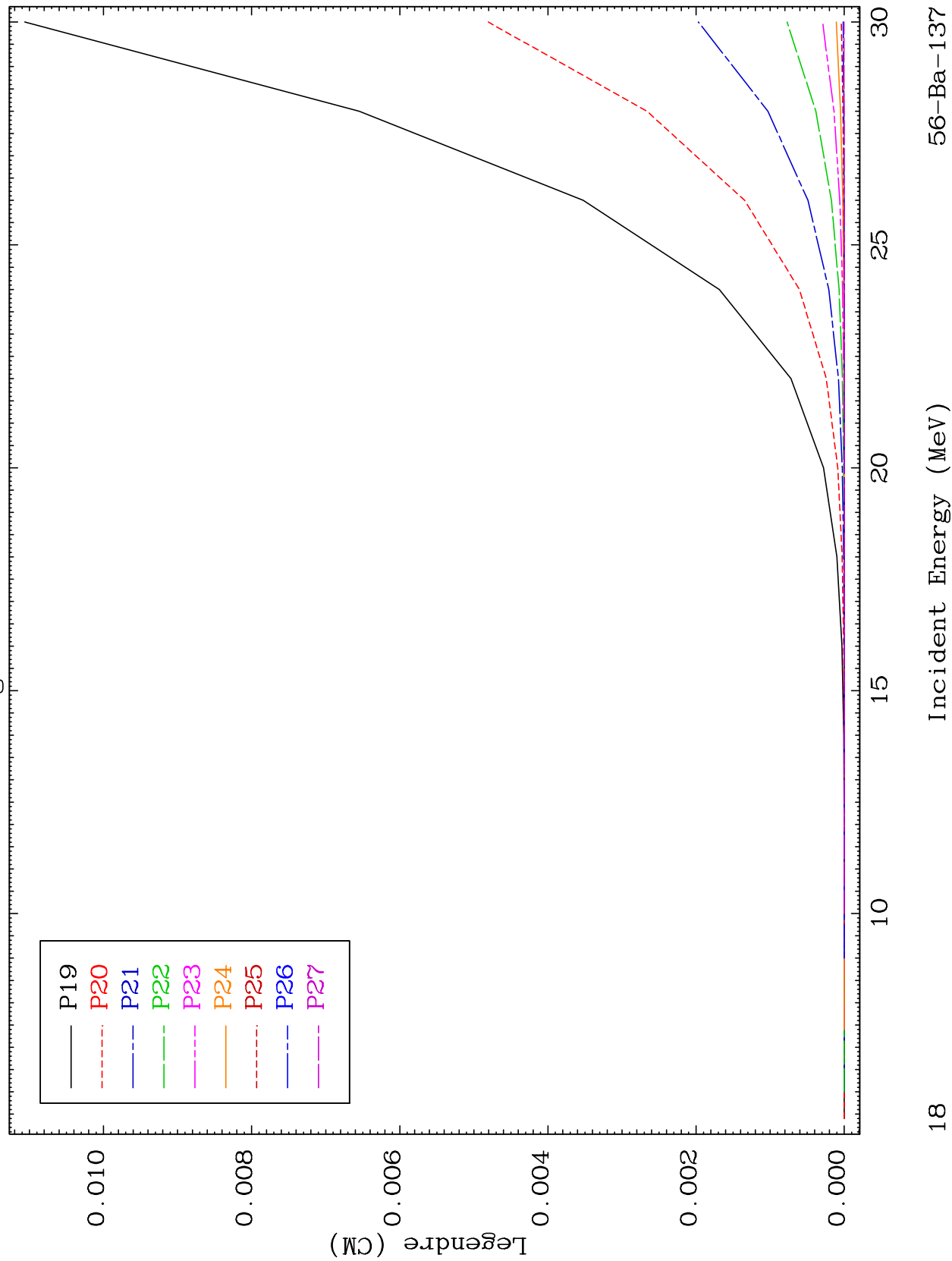
Incident Energy (MeV)

56-Ba-137

MAT 5646

### Elastic Legendre Coefficients

56-Ba-137



18

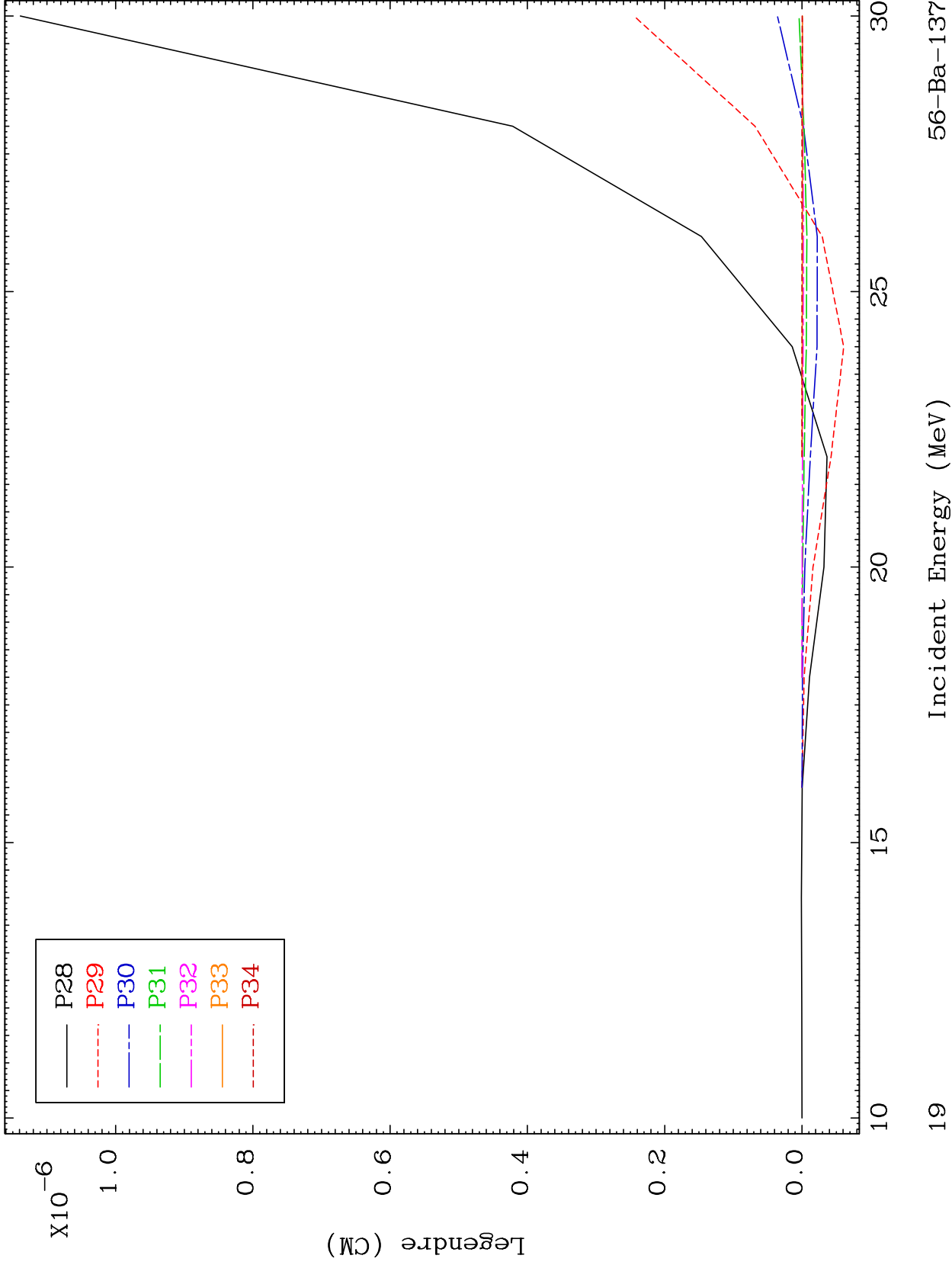
Incident Energy (MeV)

56-Ba-137

MAT 5646

Elastic  
Legendre Coefficients

56-Ba-137



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Incident Energy (MeV)

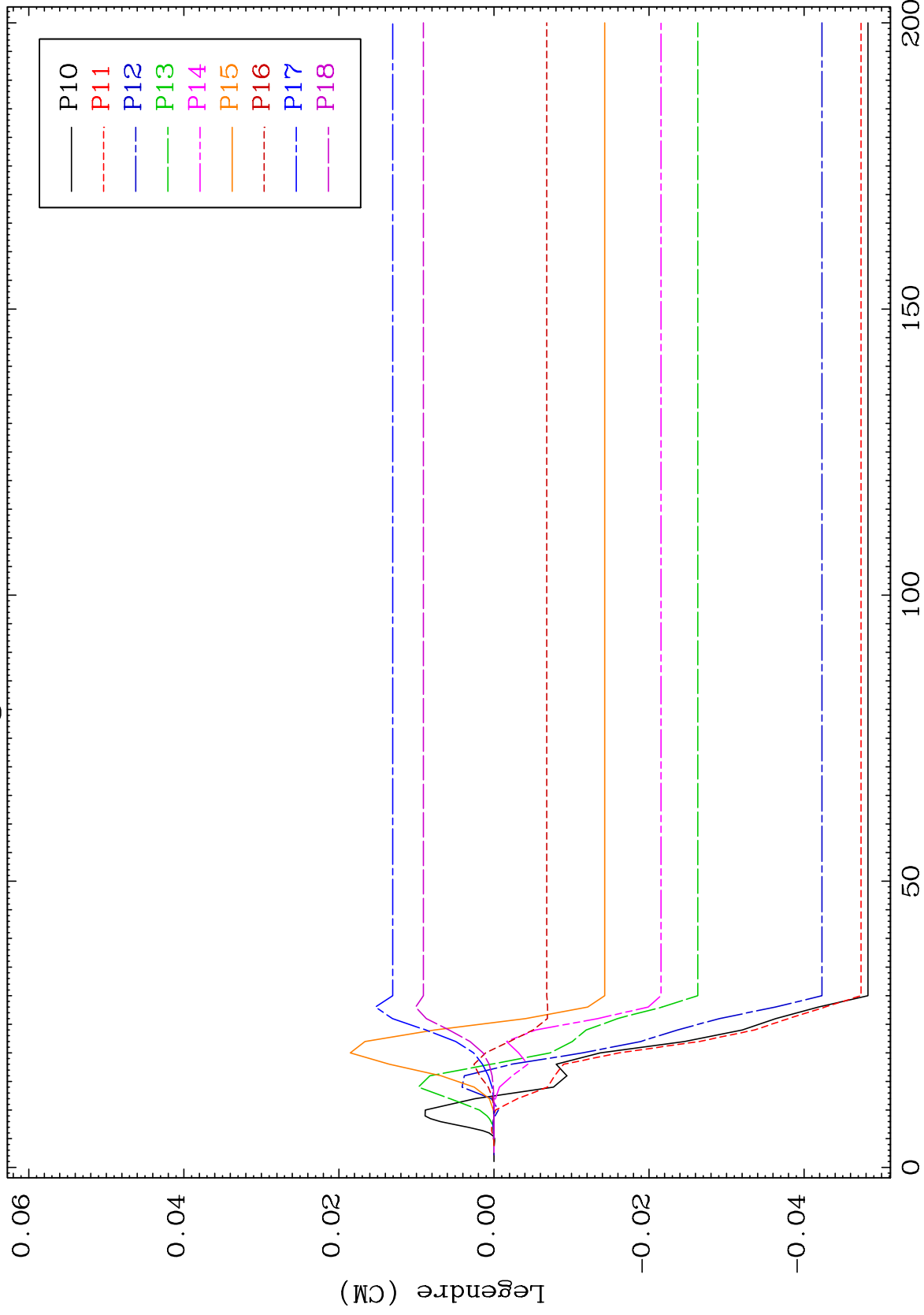
56-Ba-137



MAT 5646

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

56-Ba-137



21

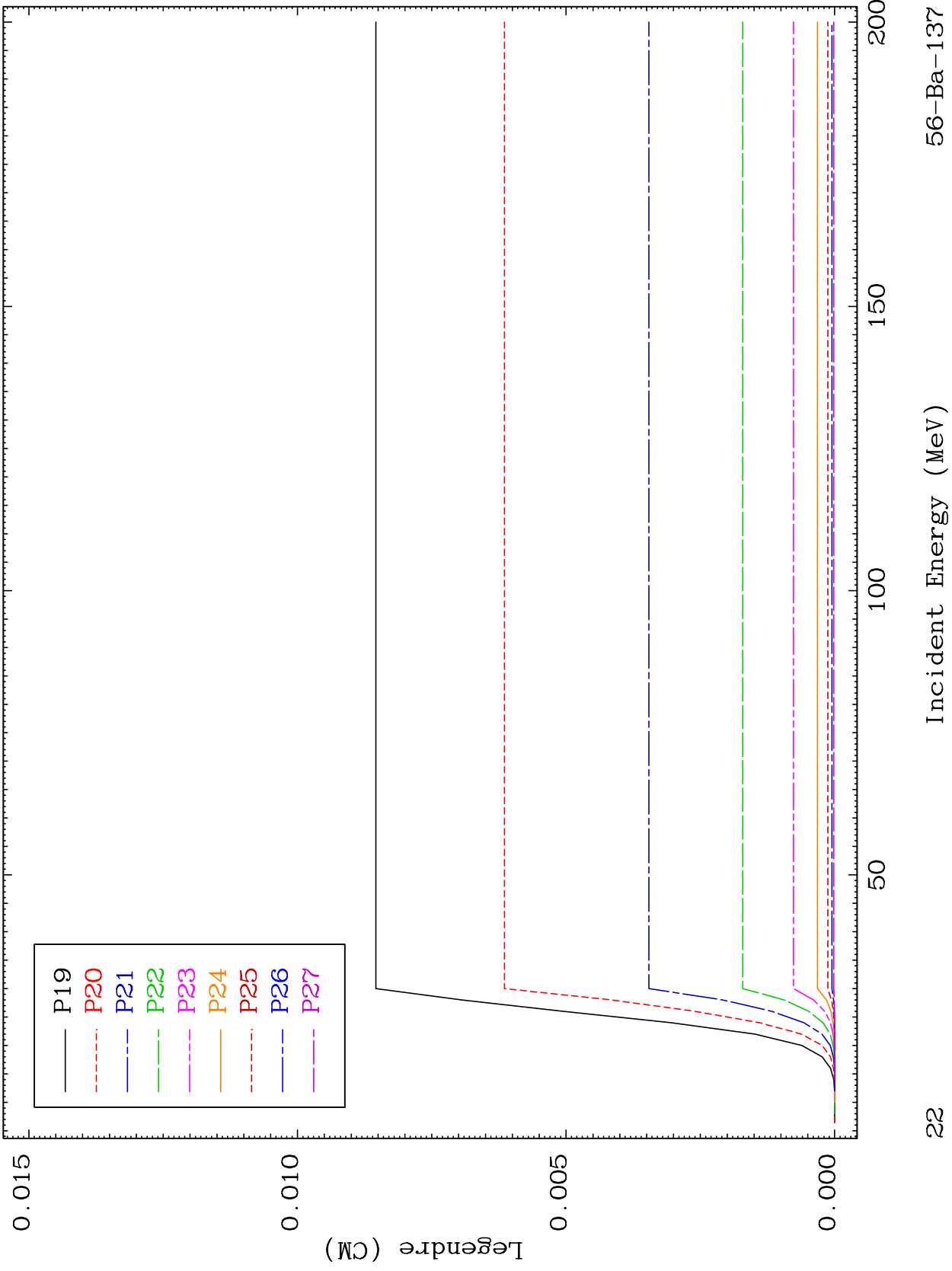
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



22

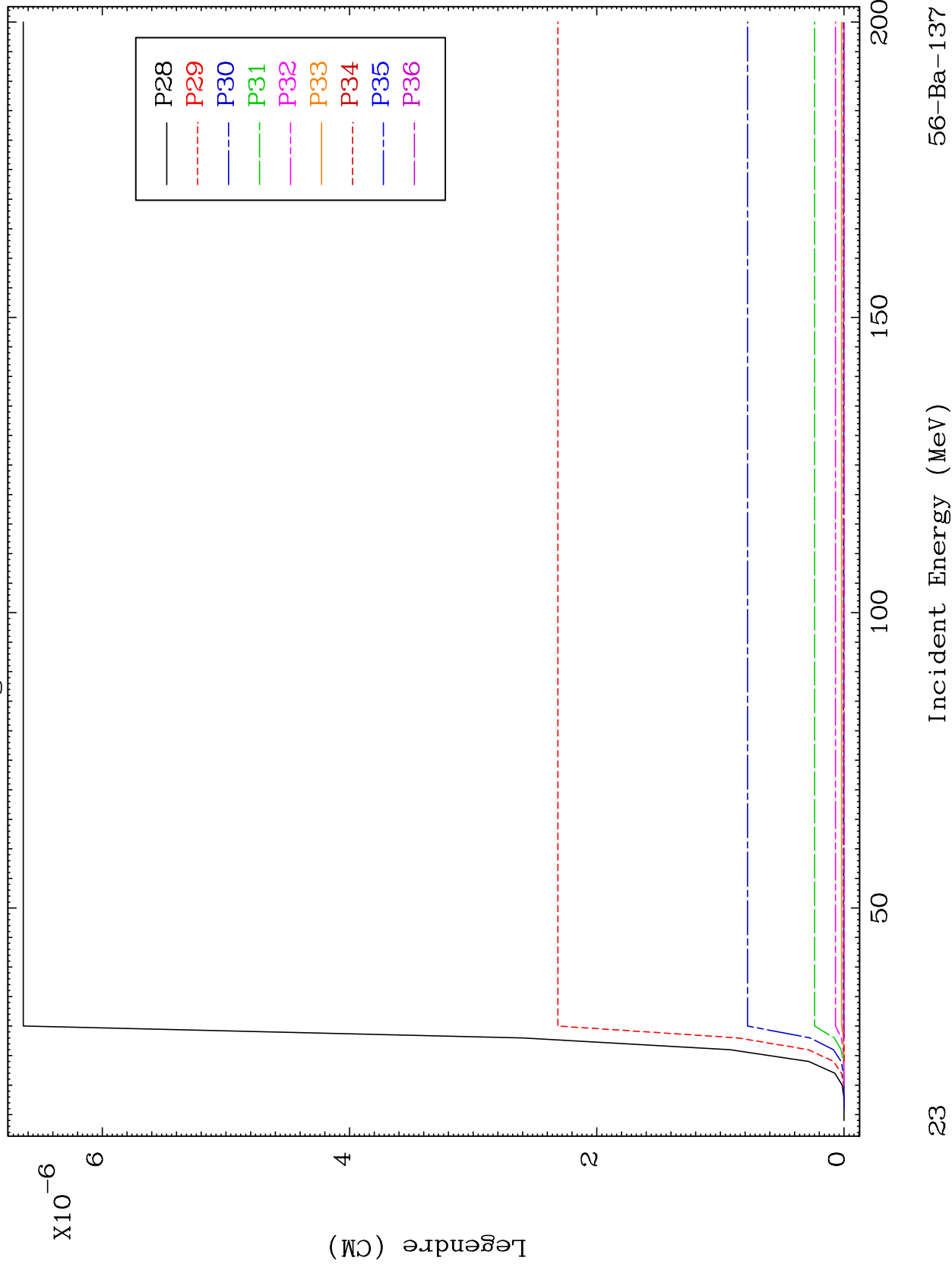
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



23

Incident Energy (MeV)

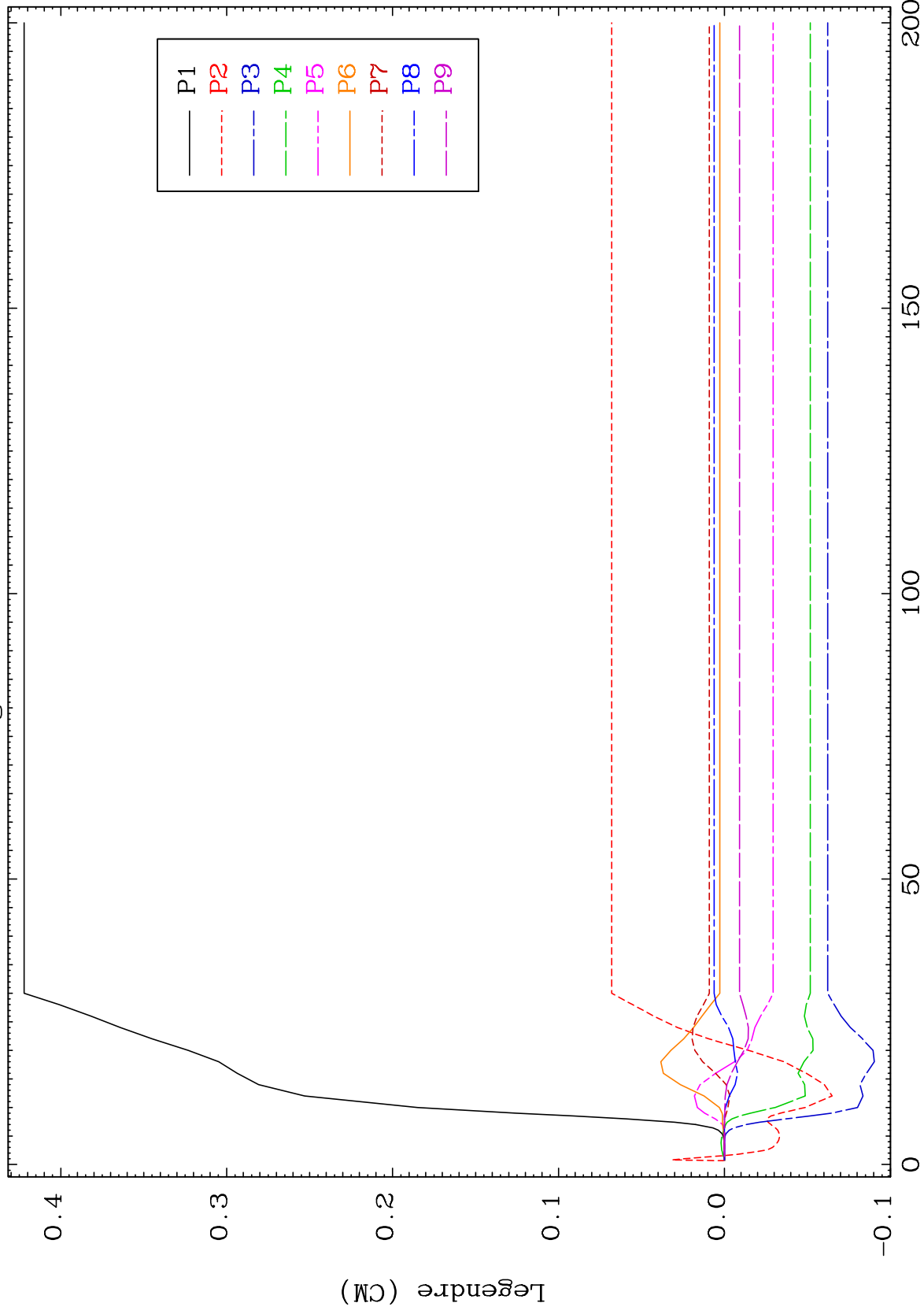
56-Ba-137



MAT 5646

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

56-Ba-137



56-Ba-137

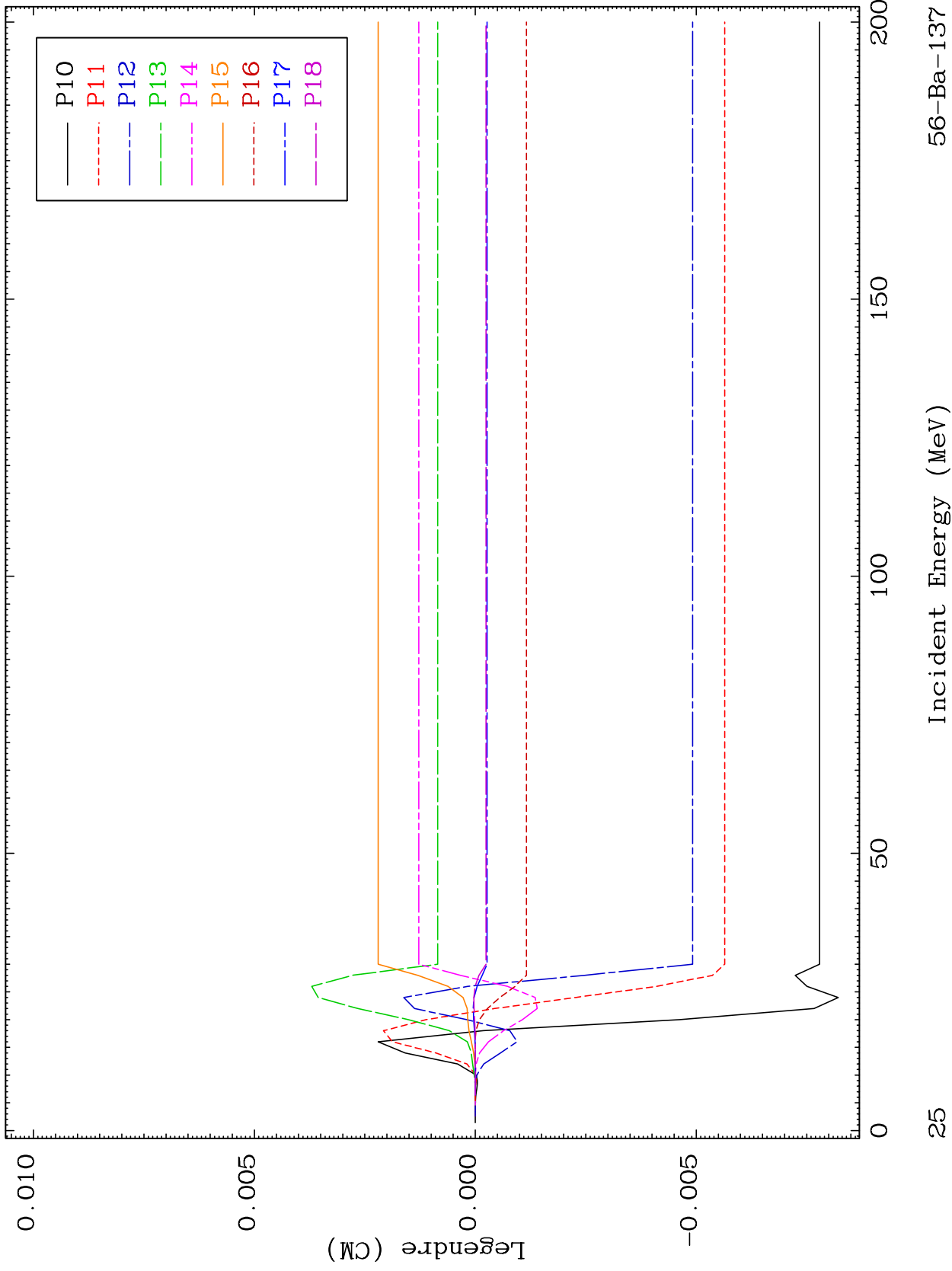
Incident Energy (MeV)

24

MAT 5646

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

56-Ba-137



56-Ba-137

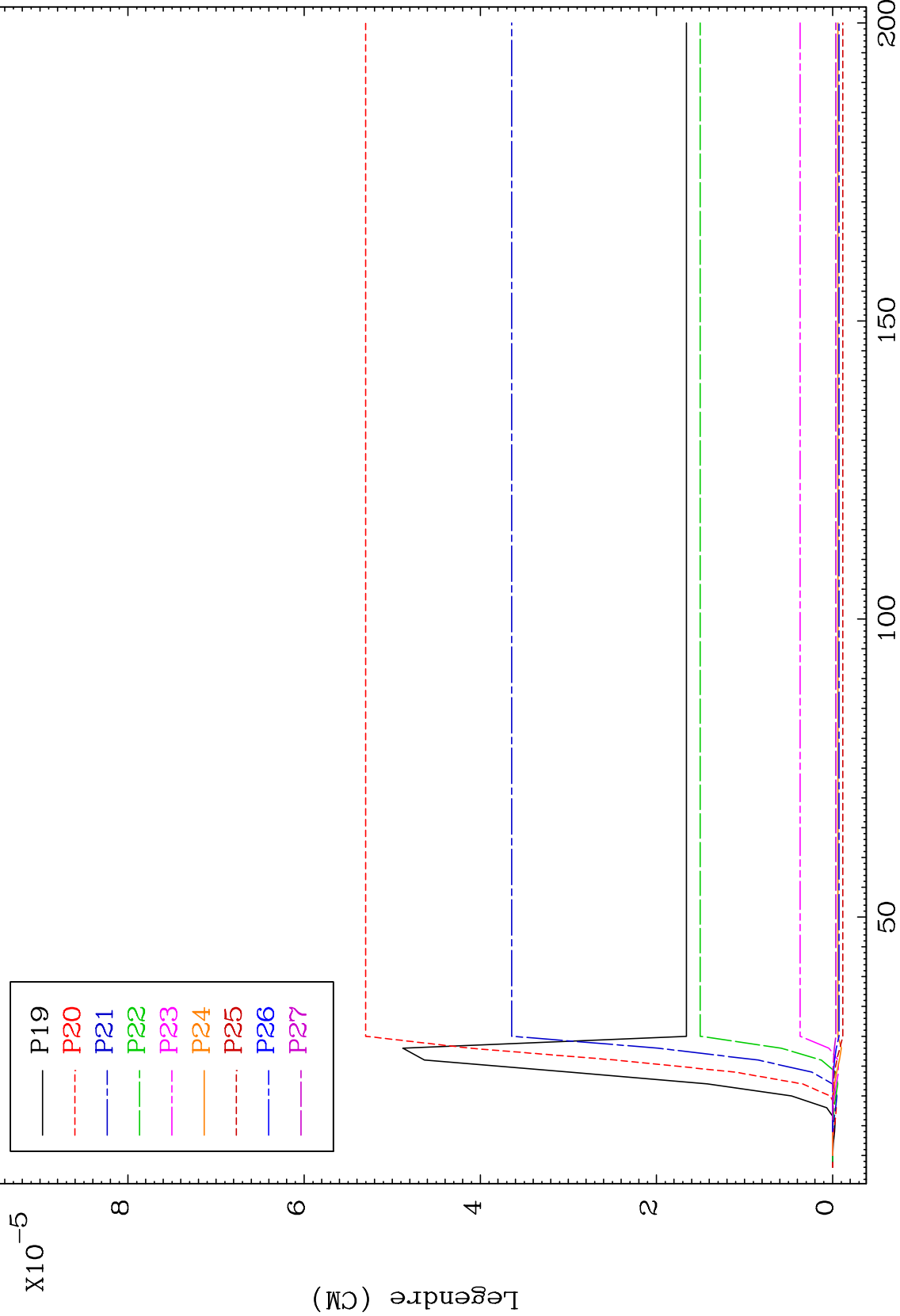
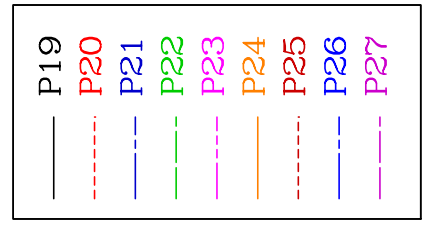
Incident Energy (MeV)

25

MAT 5646

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

56-Ba-137



26

Incident Energy (MeV)

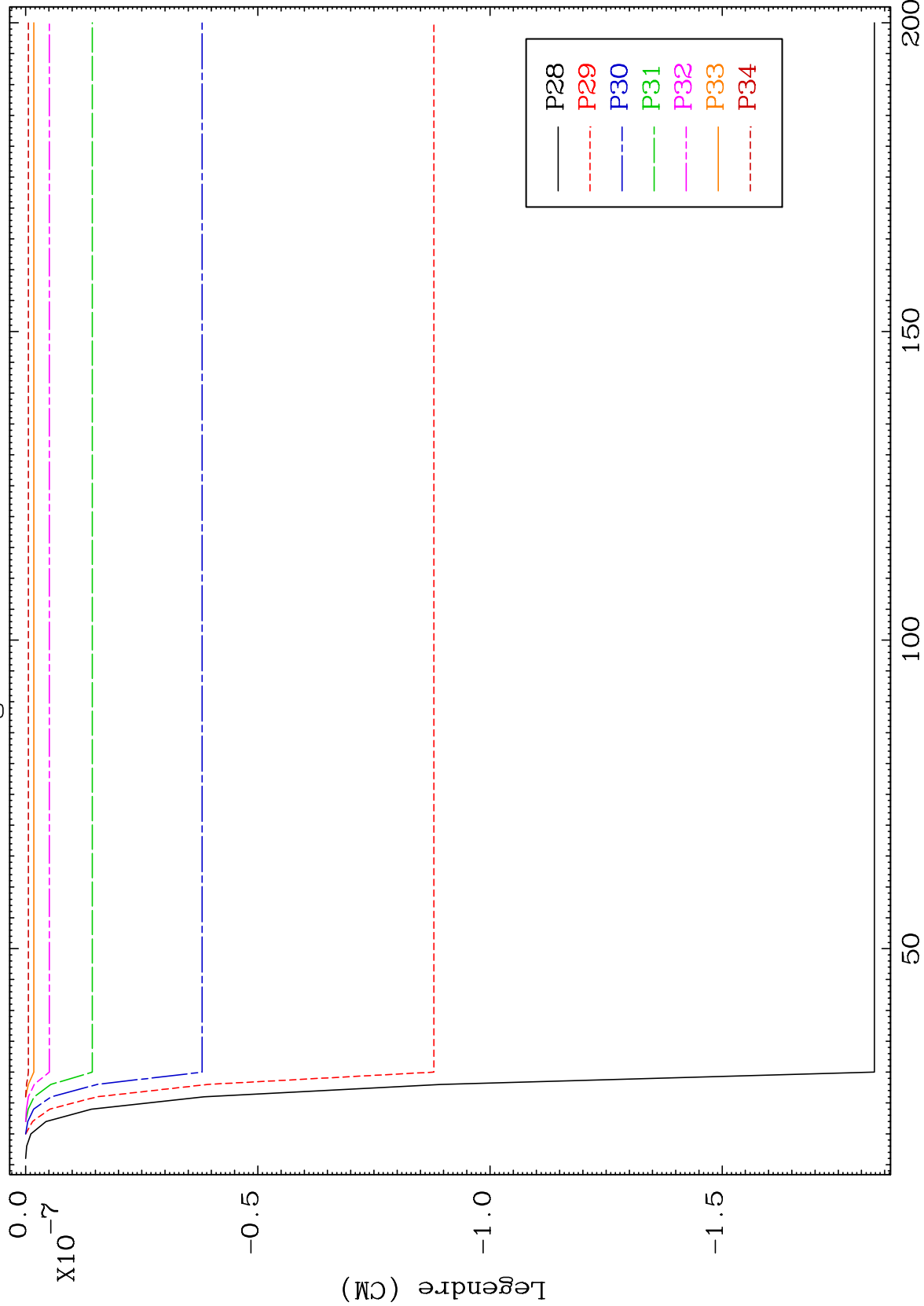
56-Ba-137

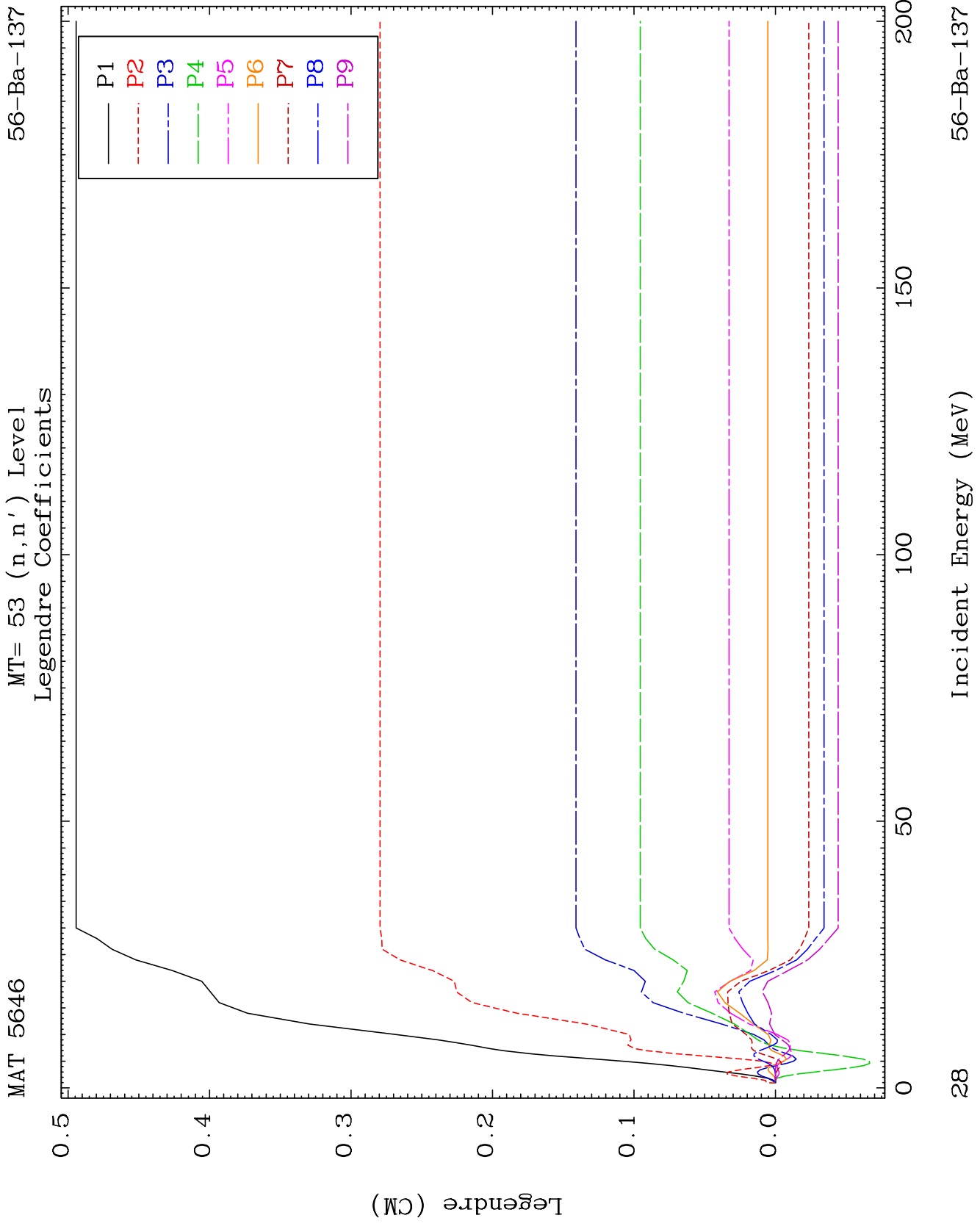
MAT 5646

MT= 52 (n,n') Level

56-Ba-137

Legendre Coefficients

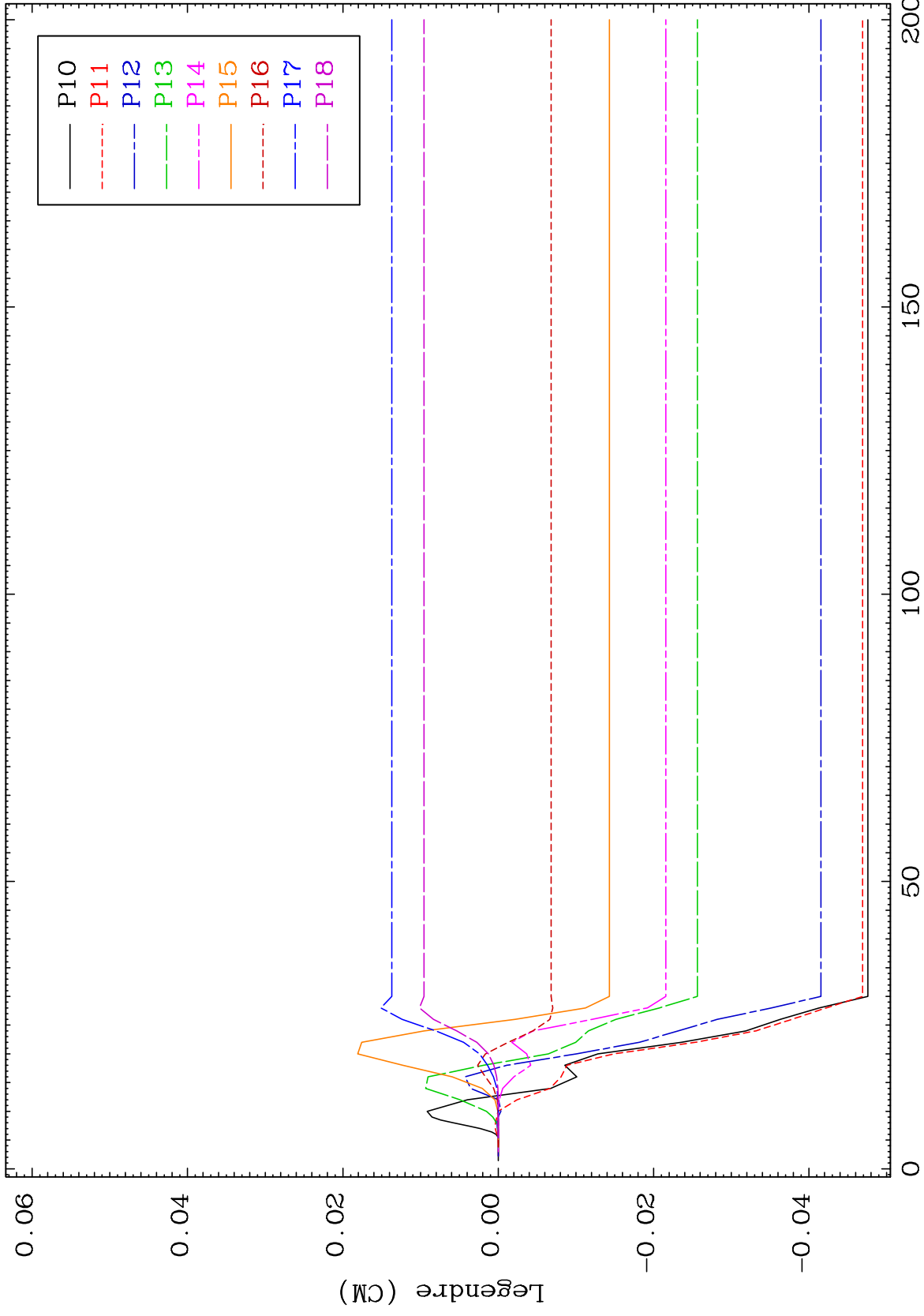




MAT 5646

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

56-Ba-137



29

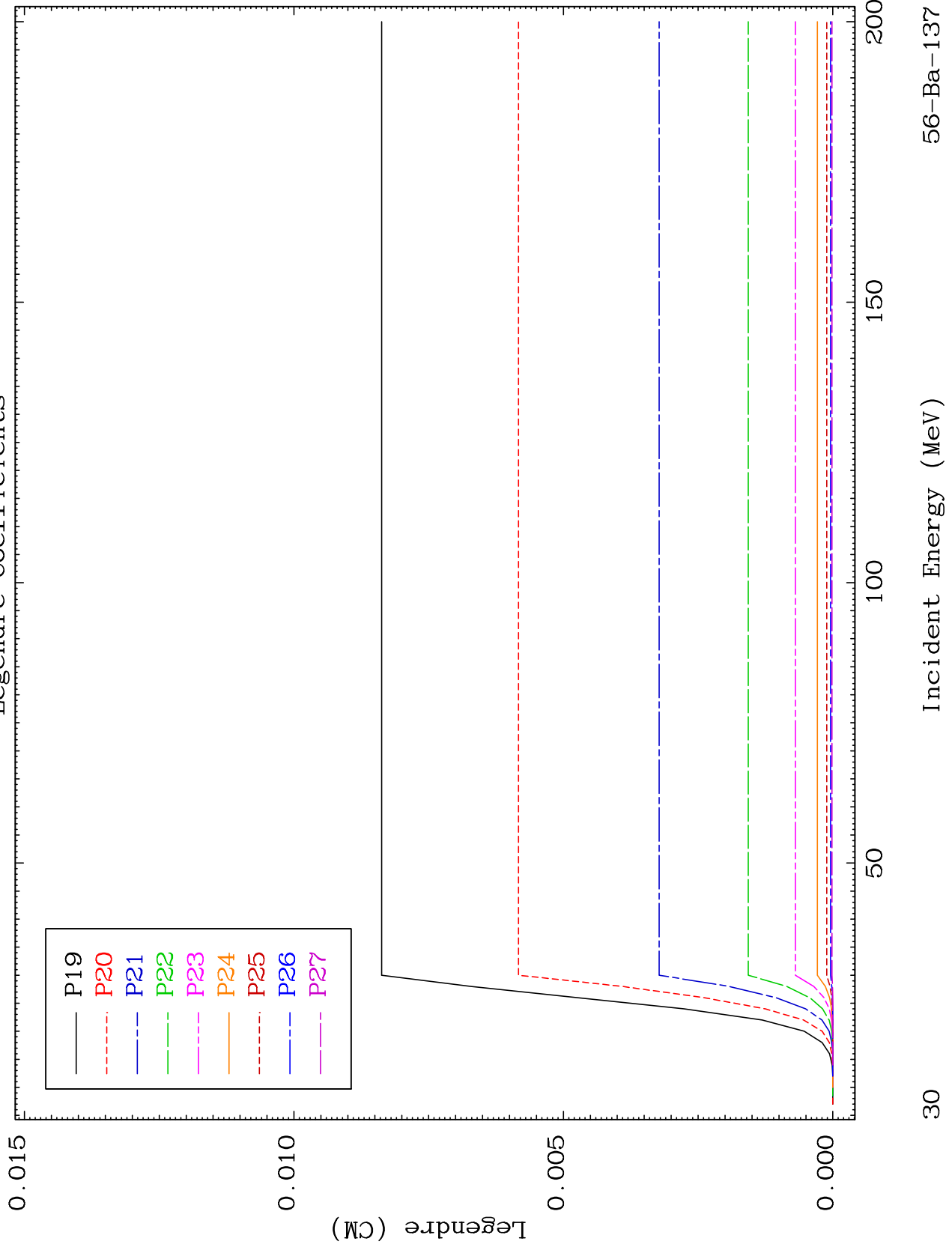
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



30

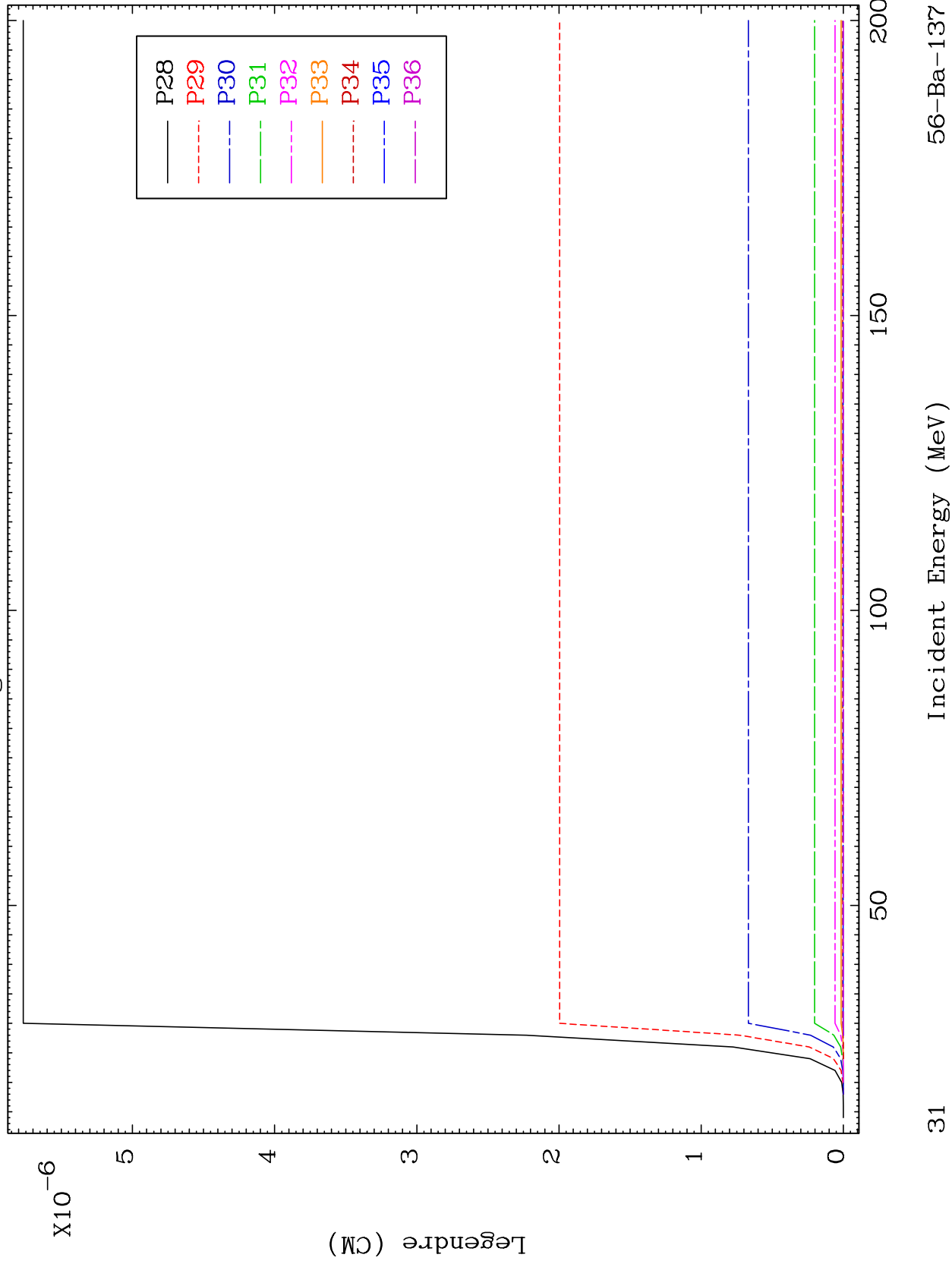
Incident Energy (MeV)

56-Ba-137

MAT 5646

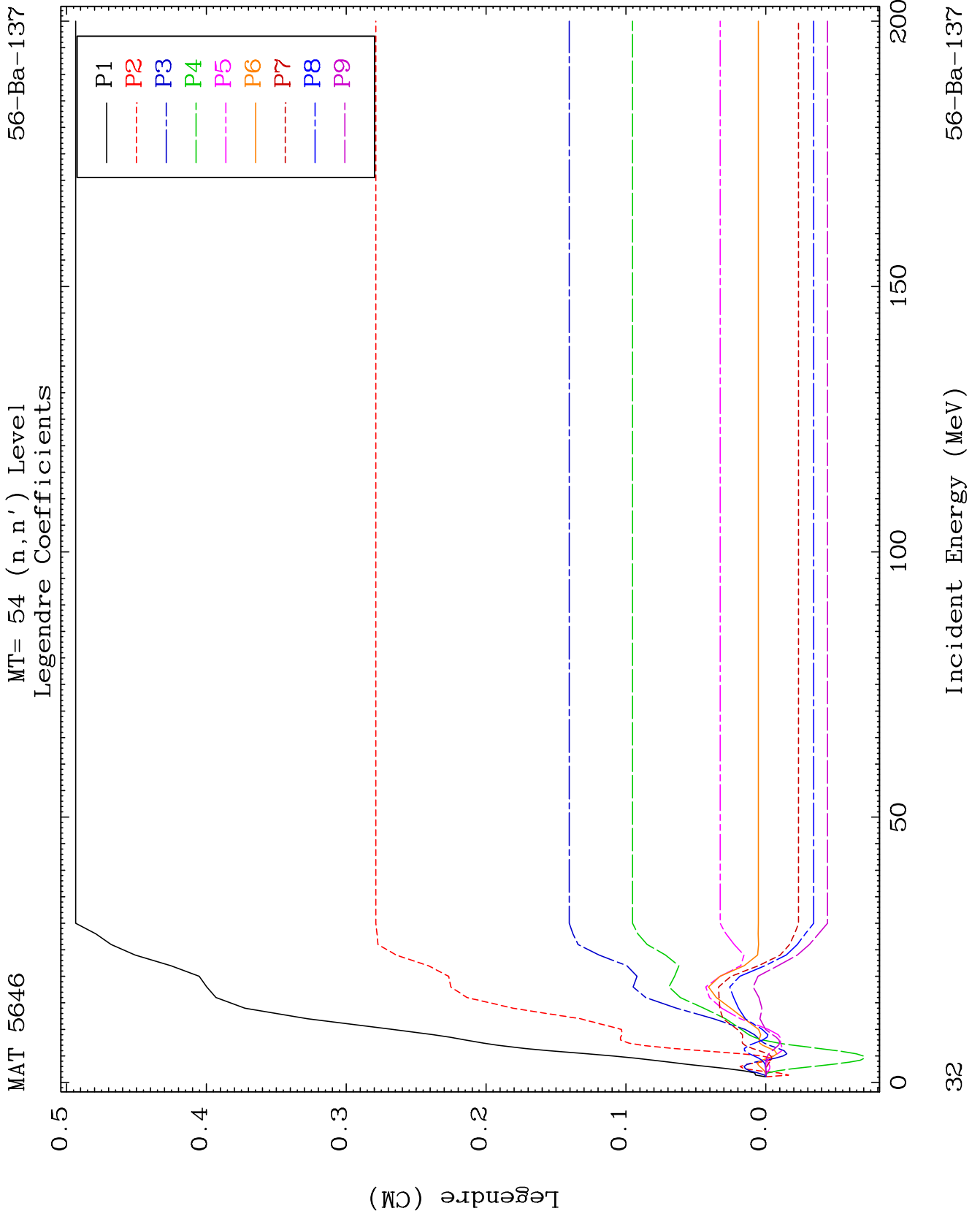
MT= 53 (n,n') Level  
Legendre Coefficients

56-Ba-137



31

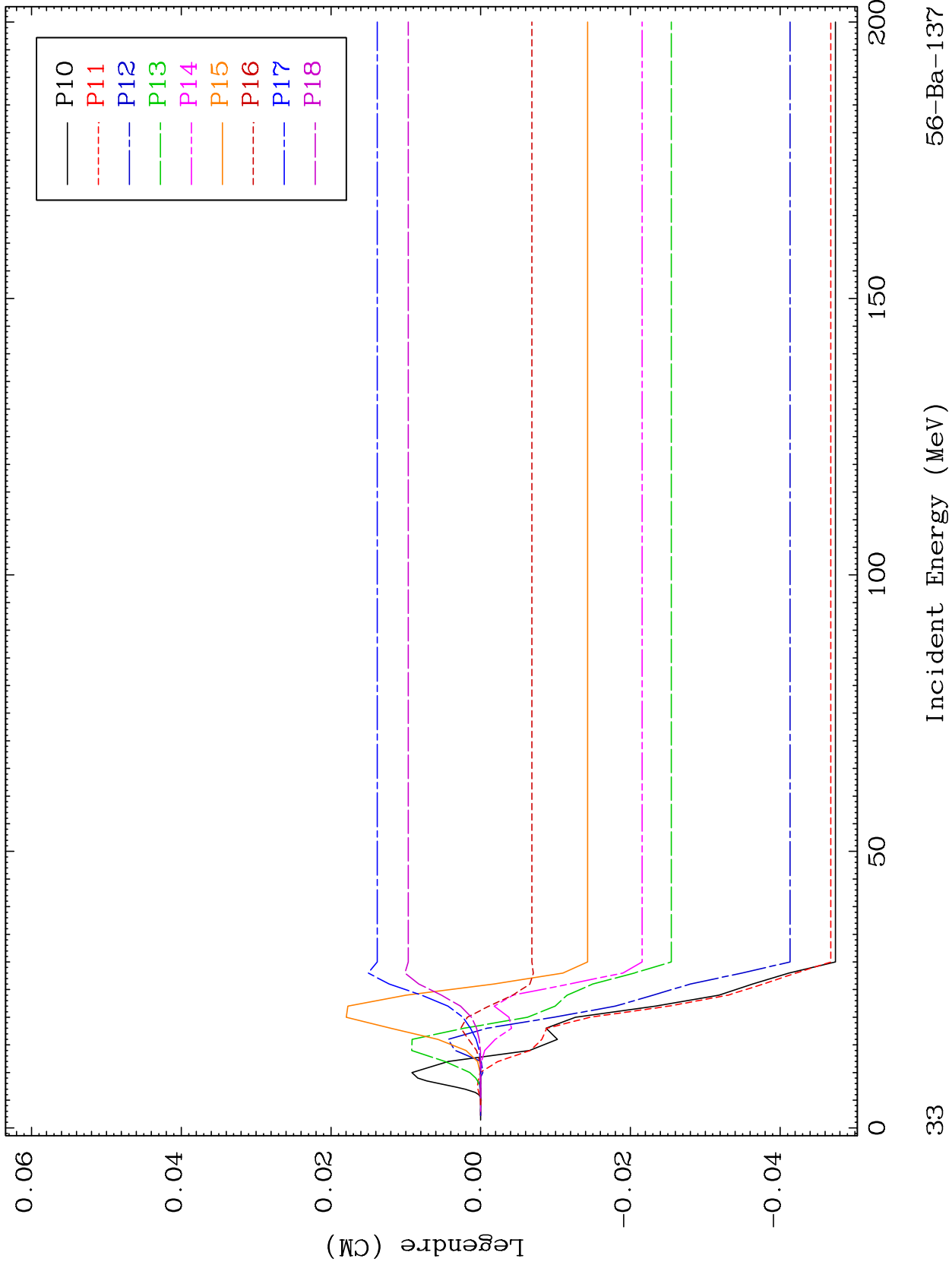




MAT 5646

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

56-Ba-137



33

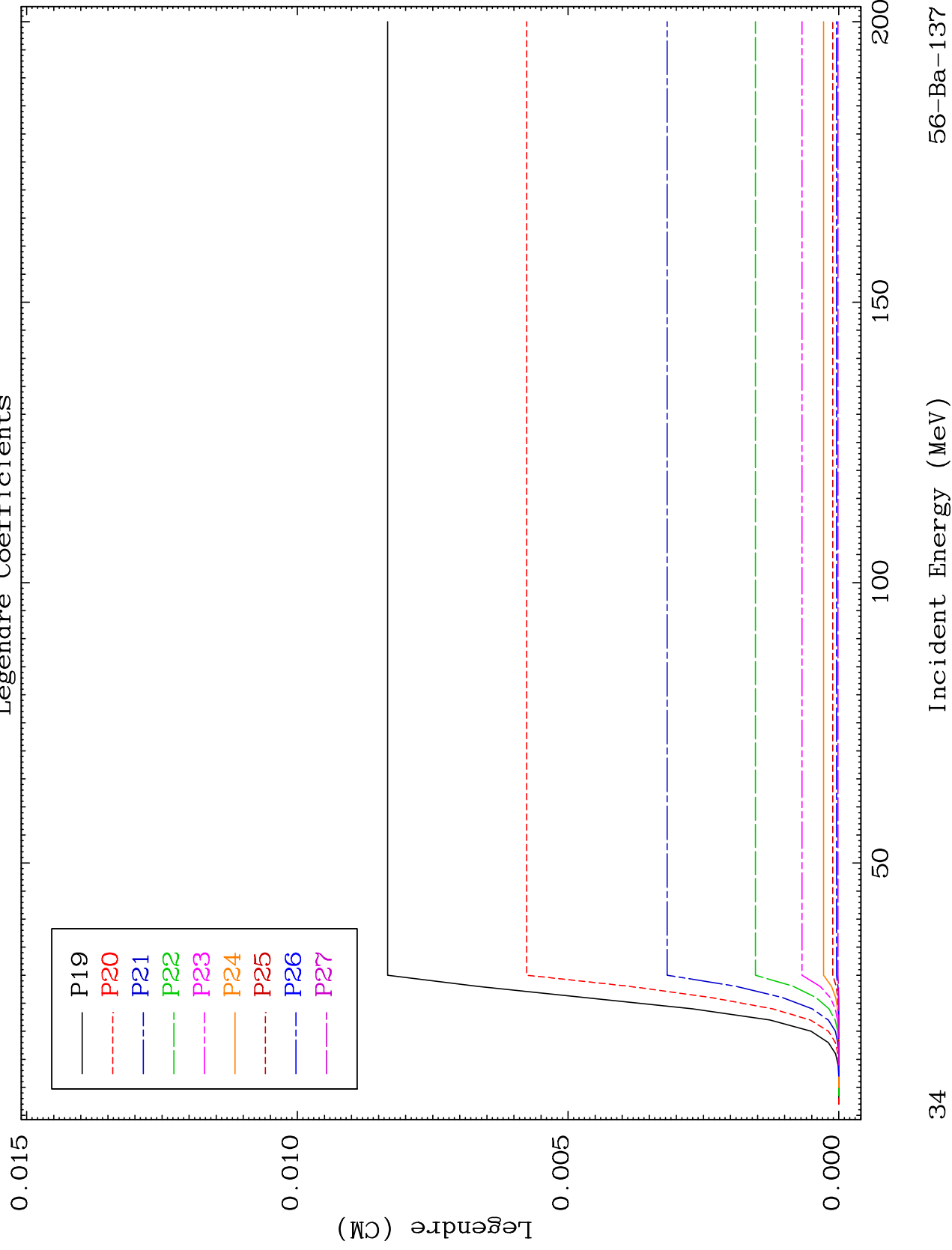
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



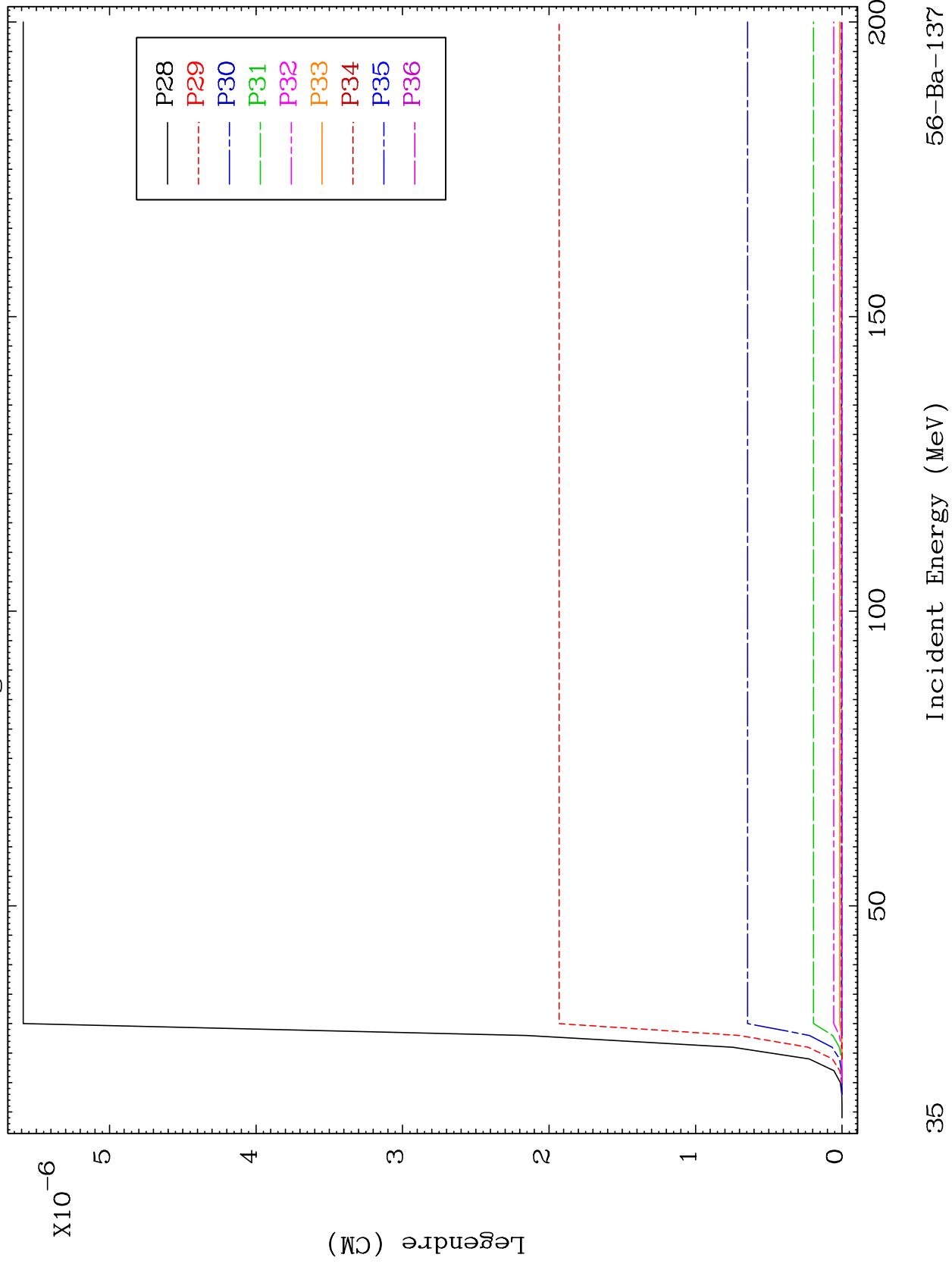
34

56-Ba-137

MAT 5646

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

56-Ba-137



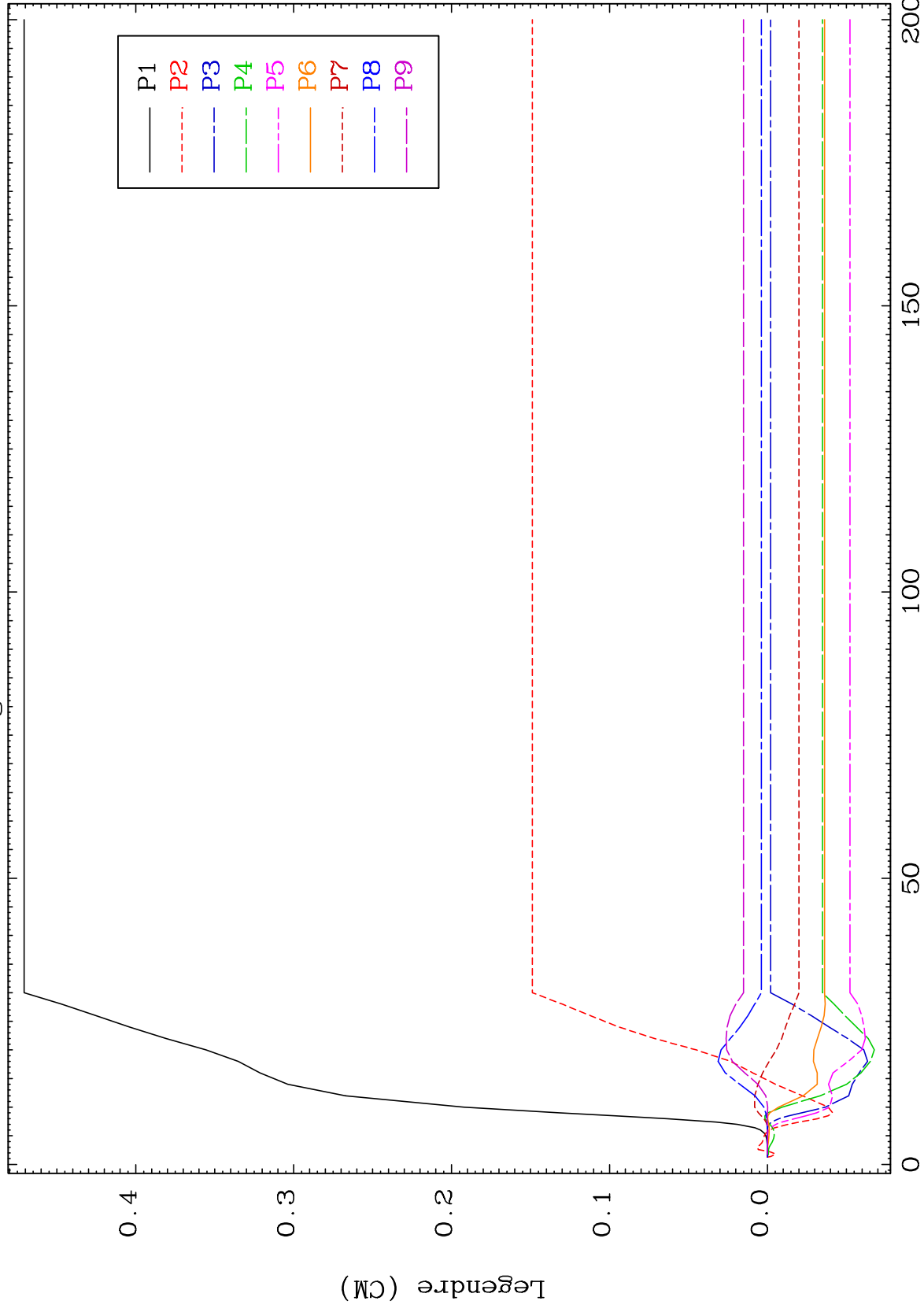
35

200

MAT 5646

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

56-Ba-137



36

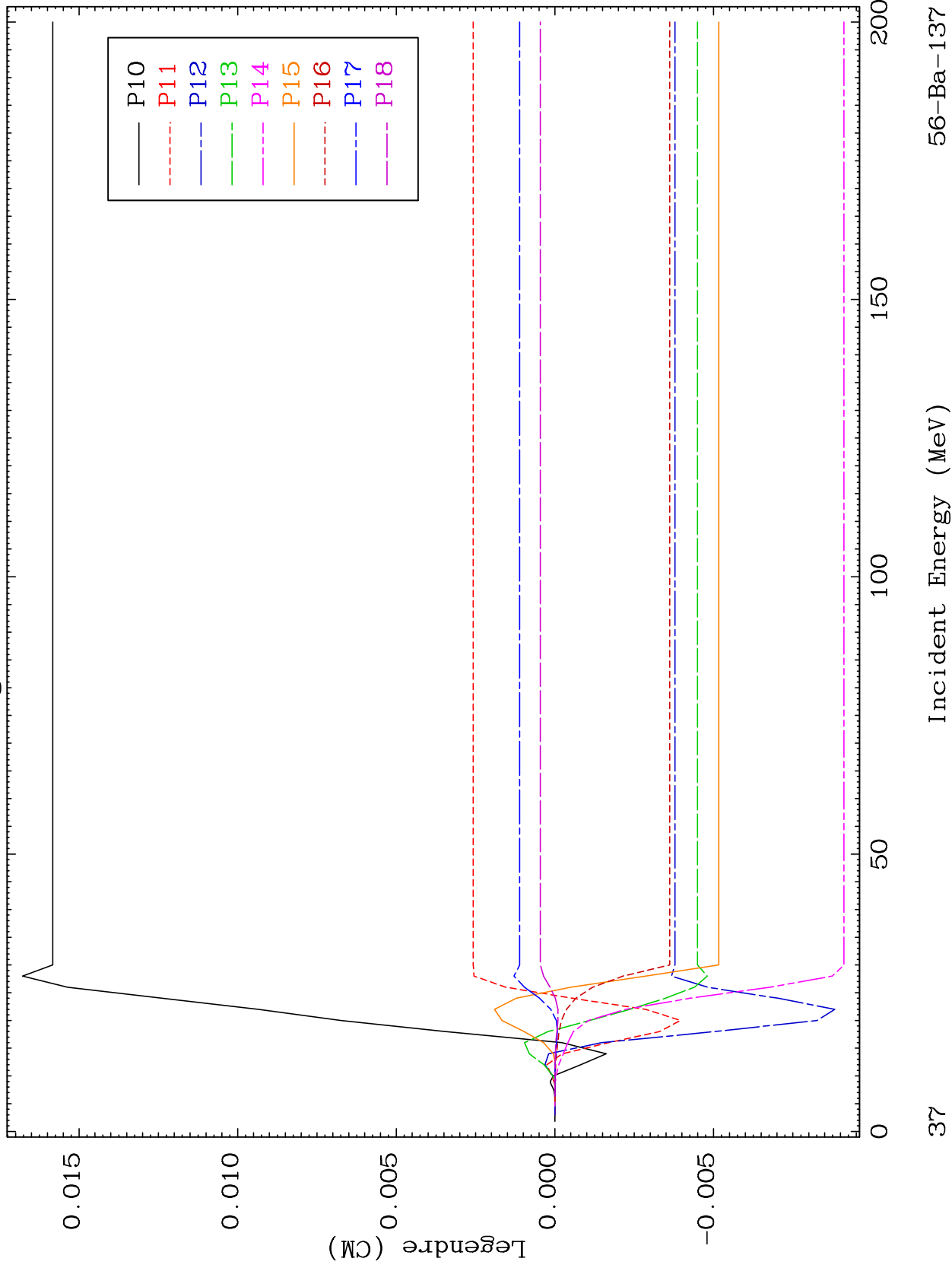
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



37

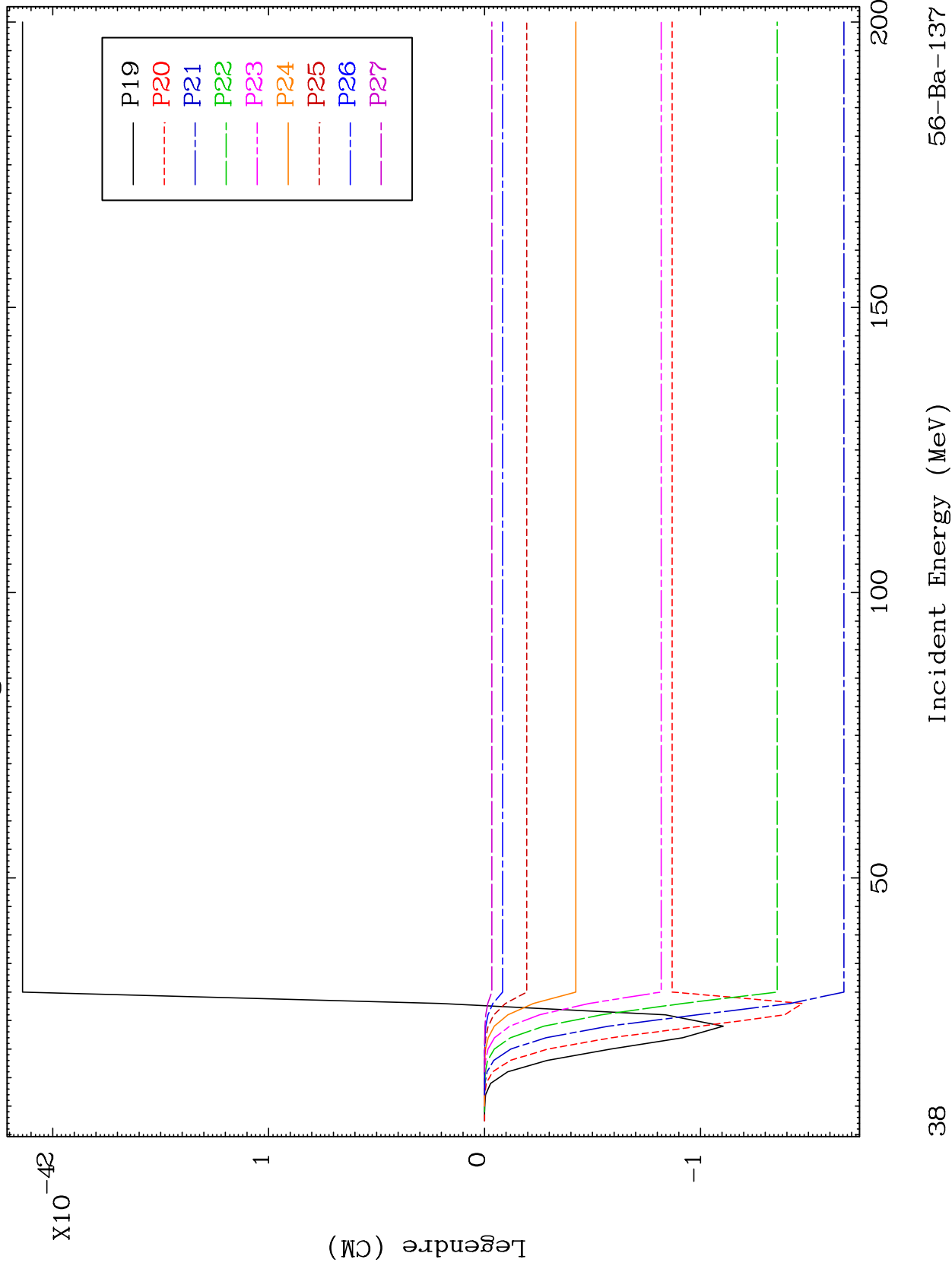
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137

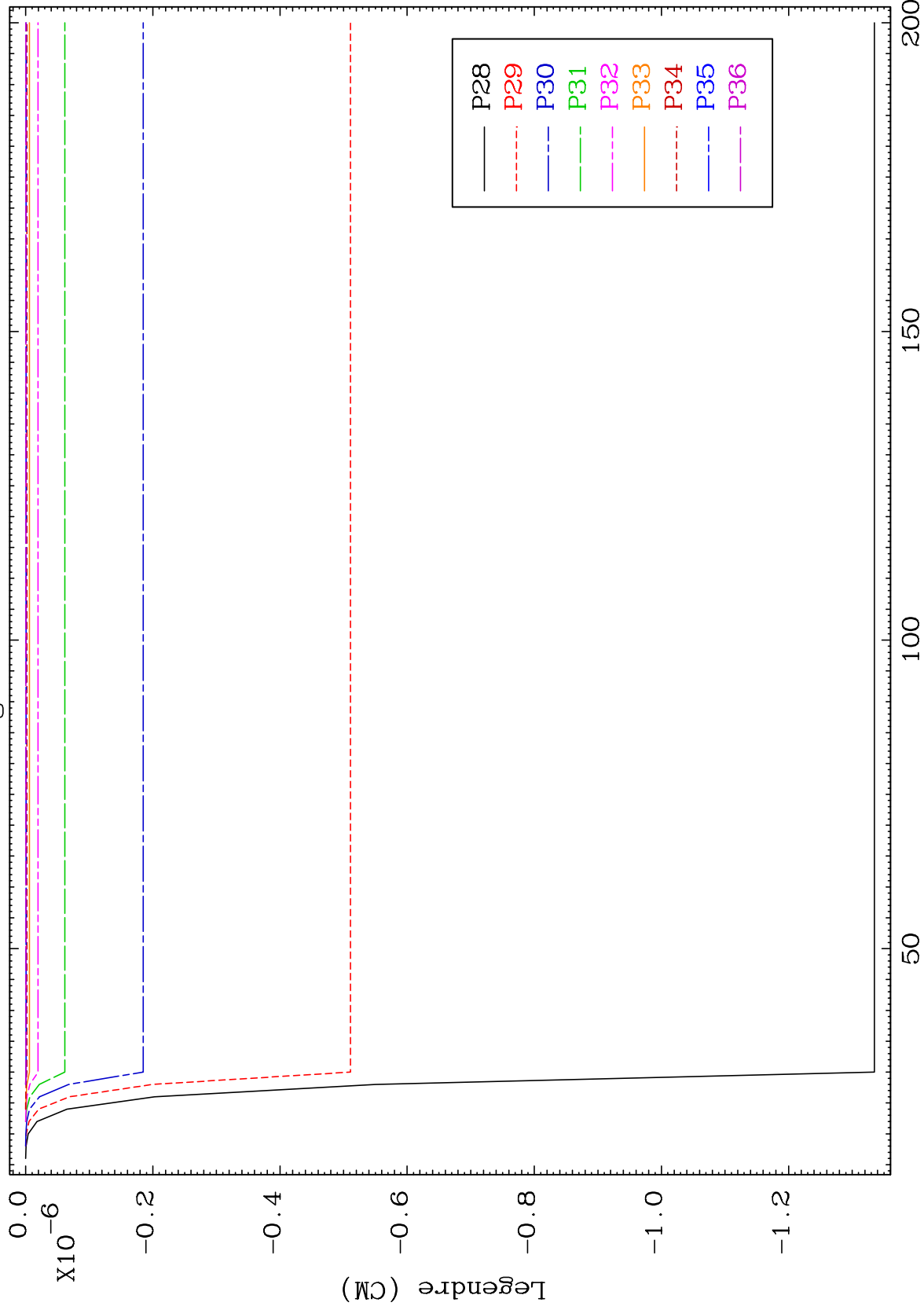


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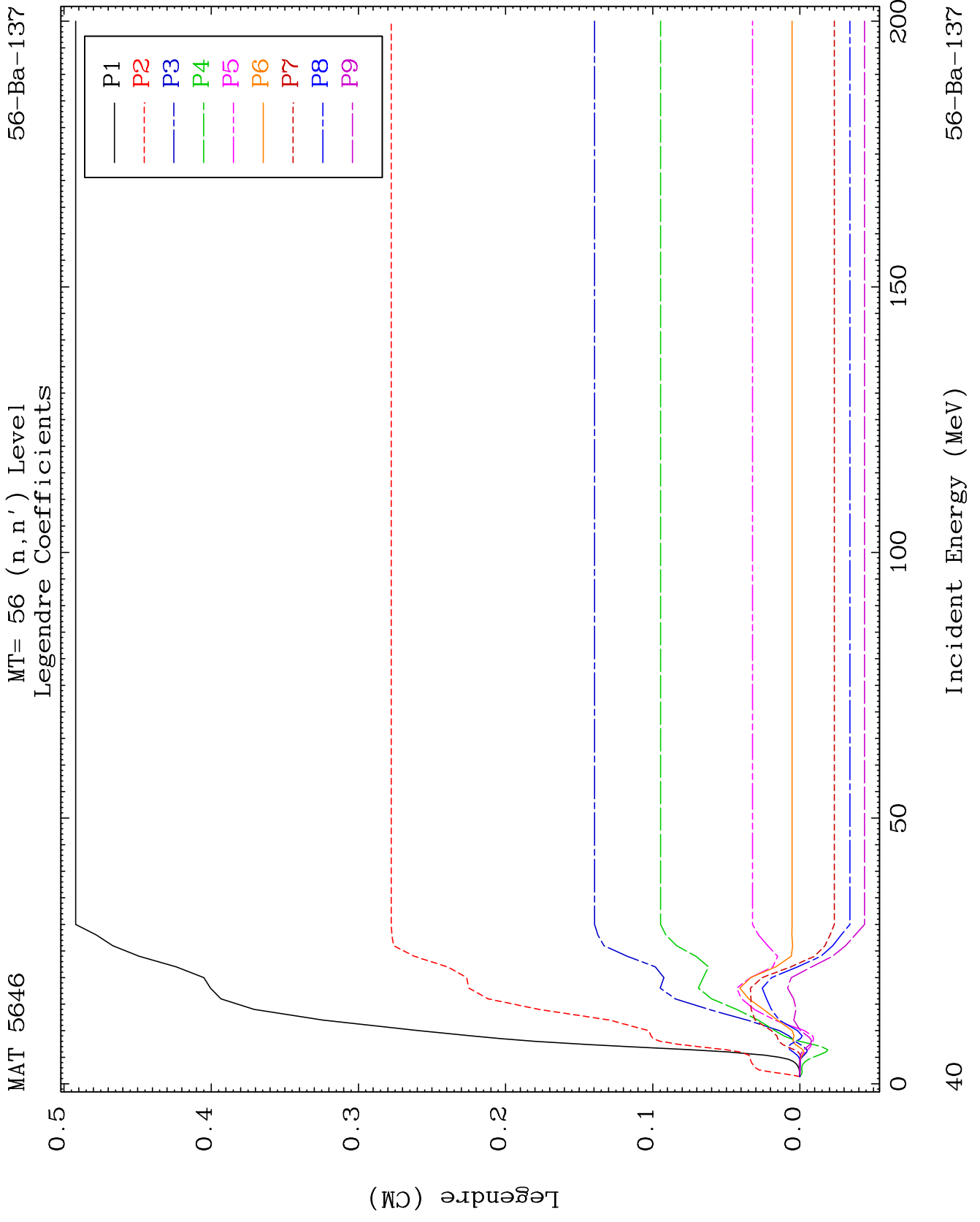
Incident Energy (MeV)

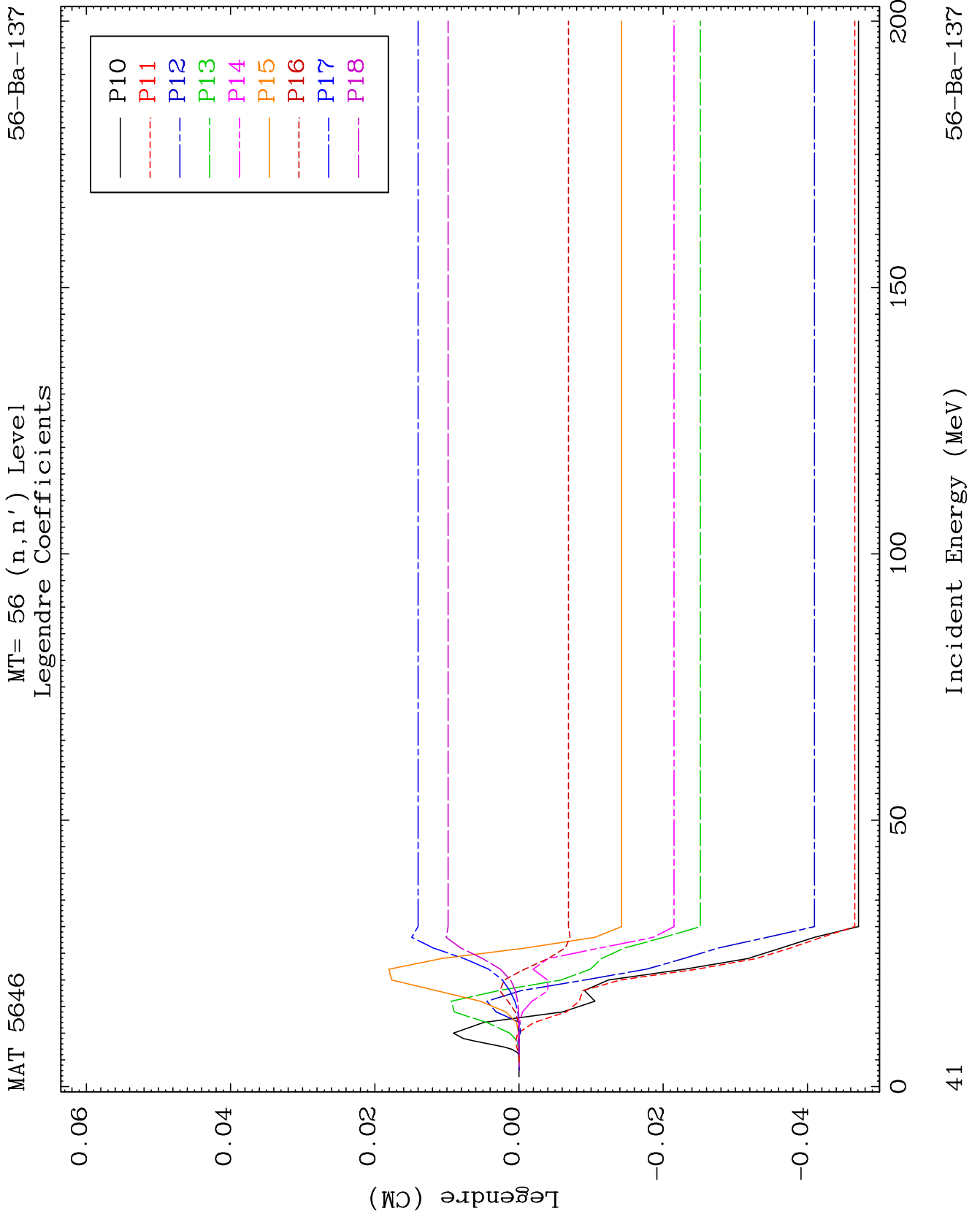
56-Ba-137

Legendre Coefficients





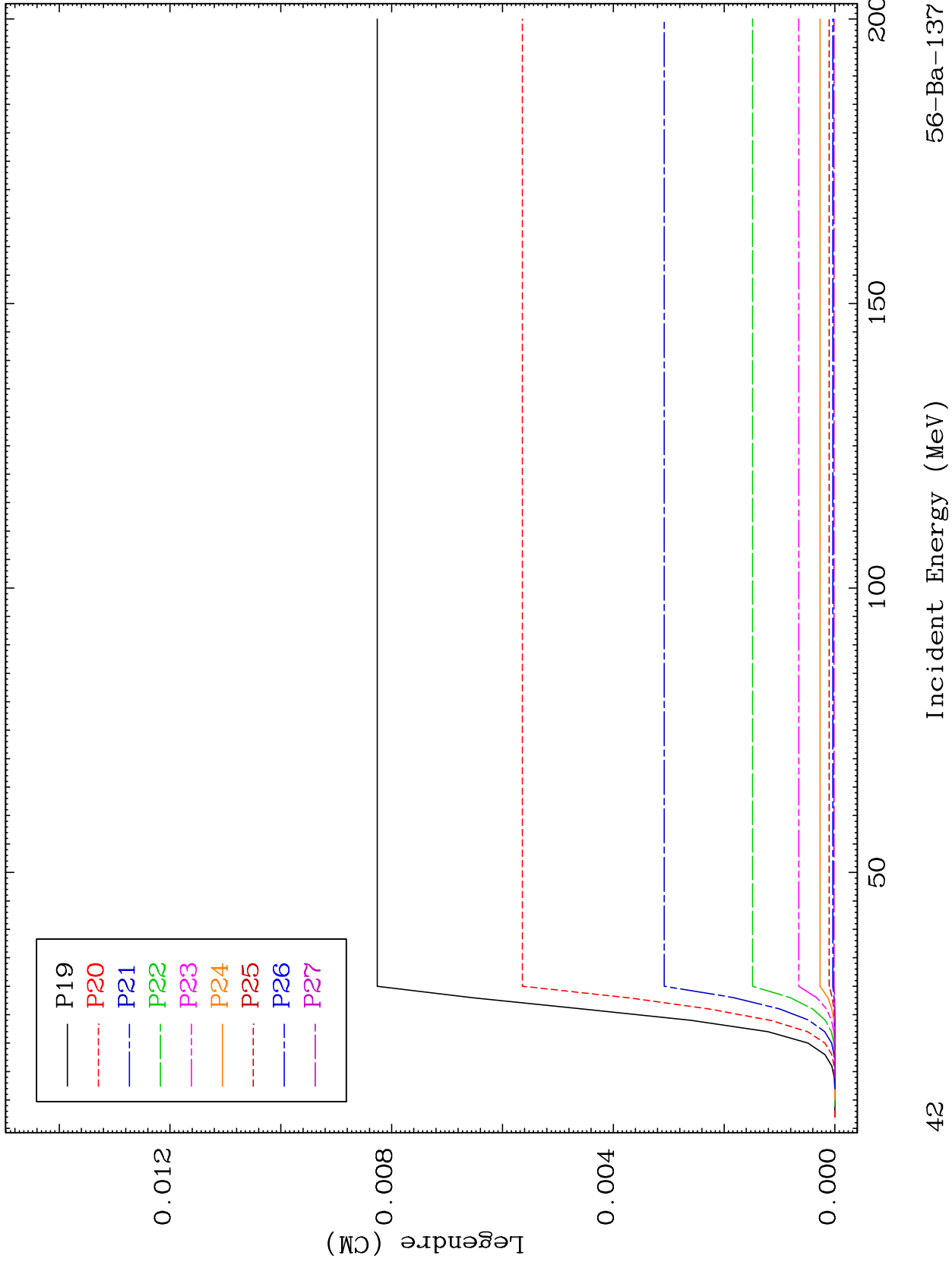




MAT 5646

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

56-Ba-137



42

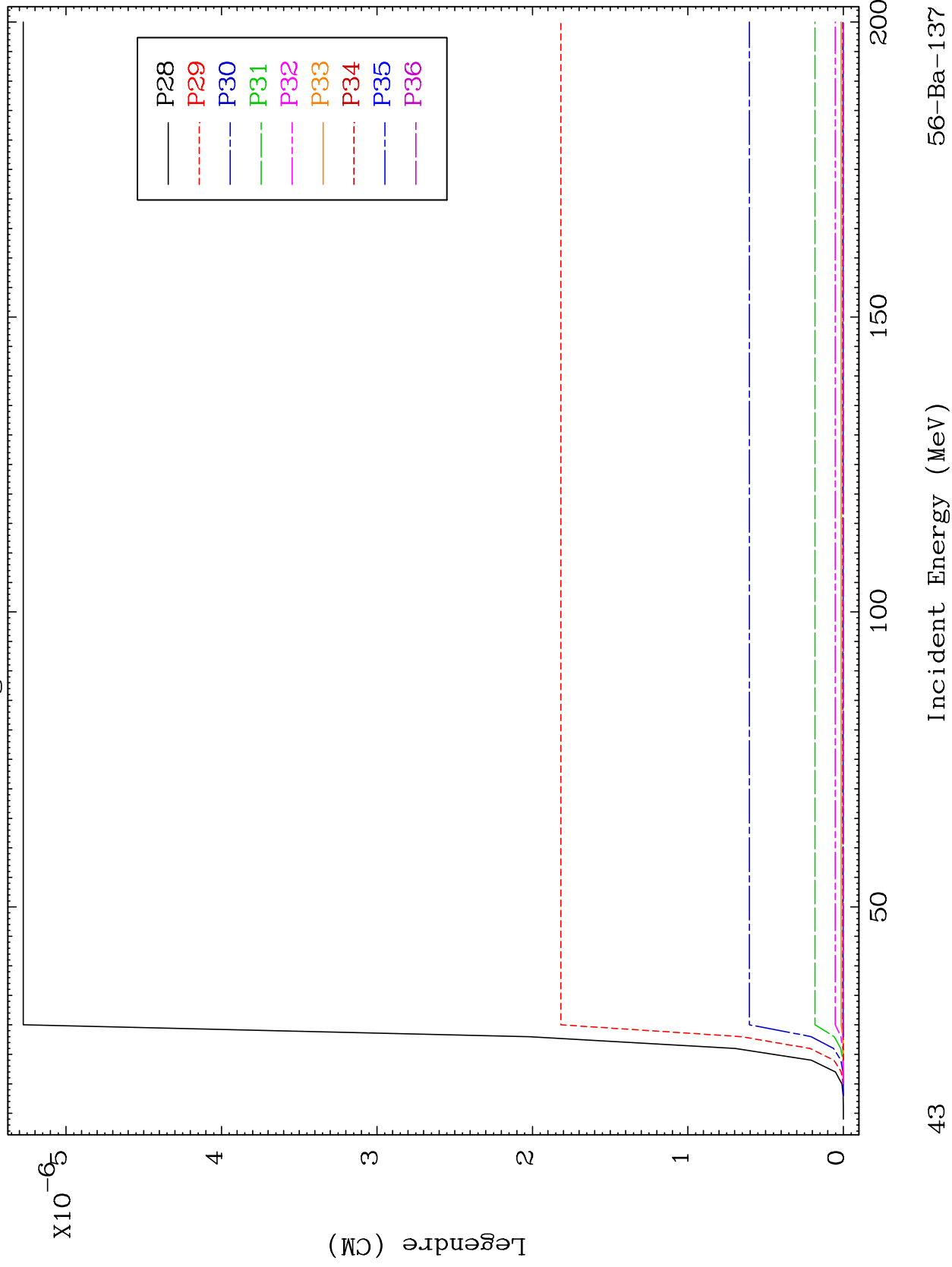
Incident Energy (MeV)

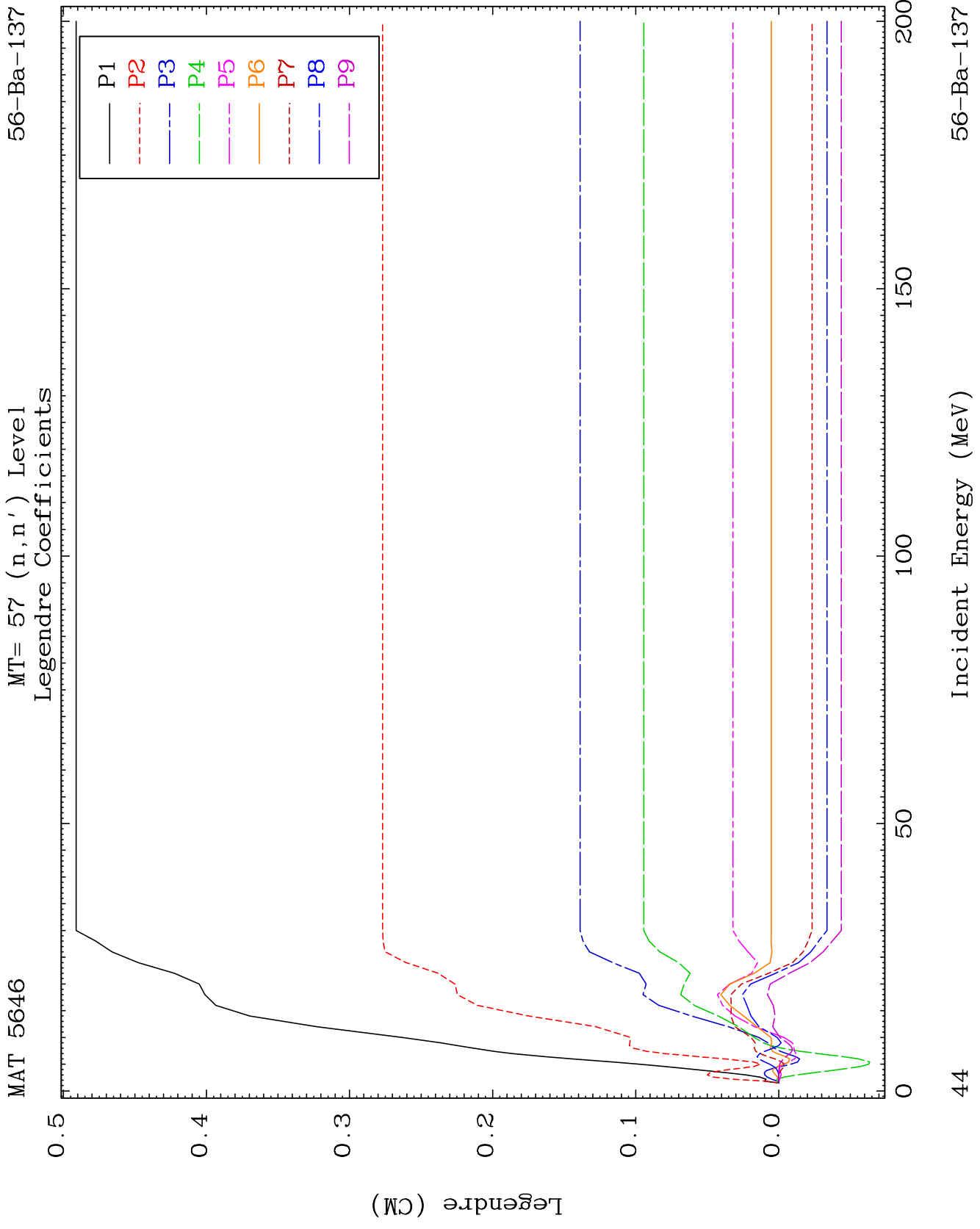
56-Ba-137

MAT 5646

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

56-Ba-137

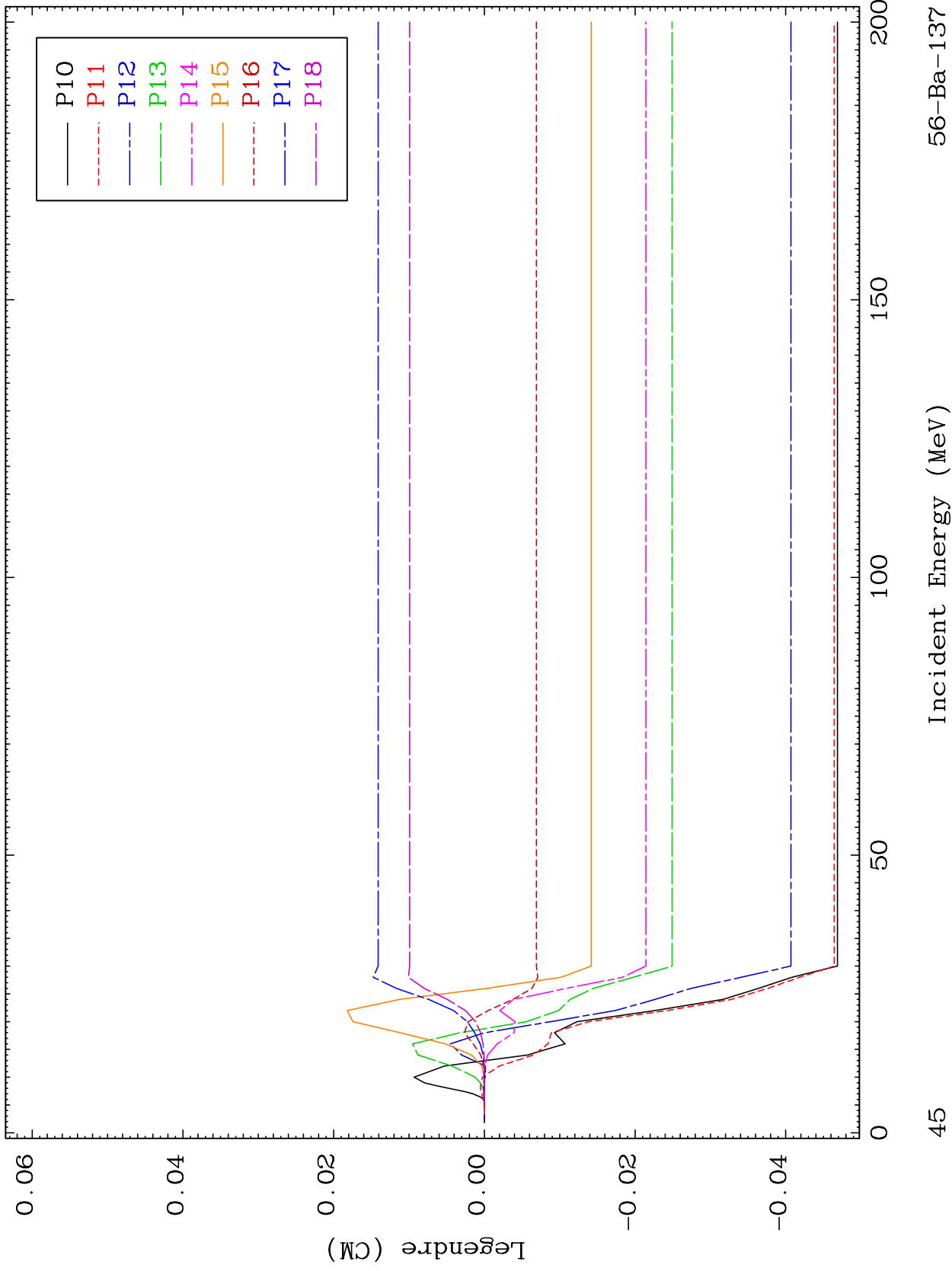




MAT 5646

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

56-Ba-137



56-Ba-137

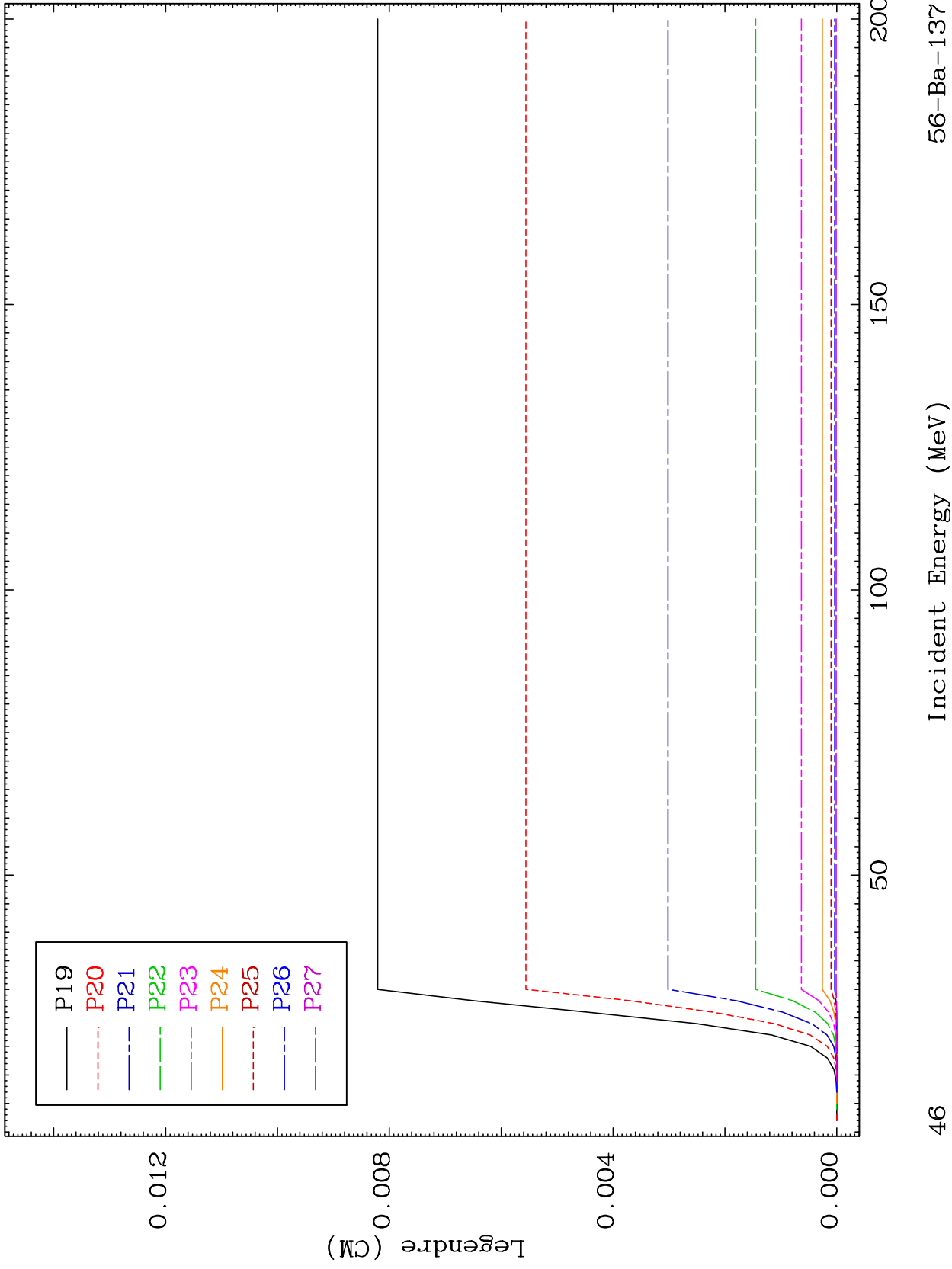
Incident Energy (MeV)

45

MAT 5646

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

56-Ba-137



46

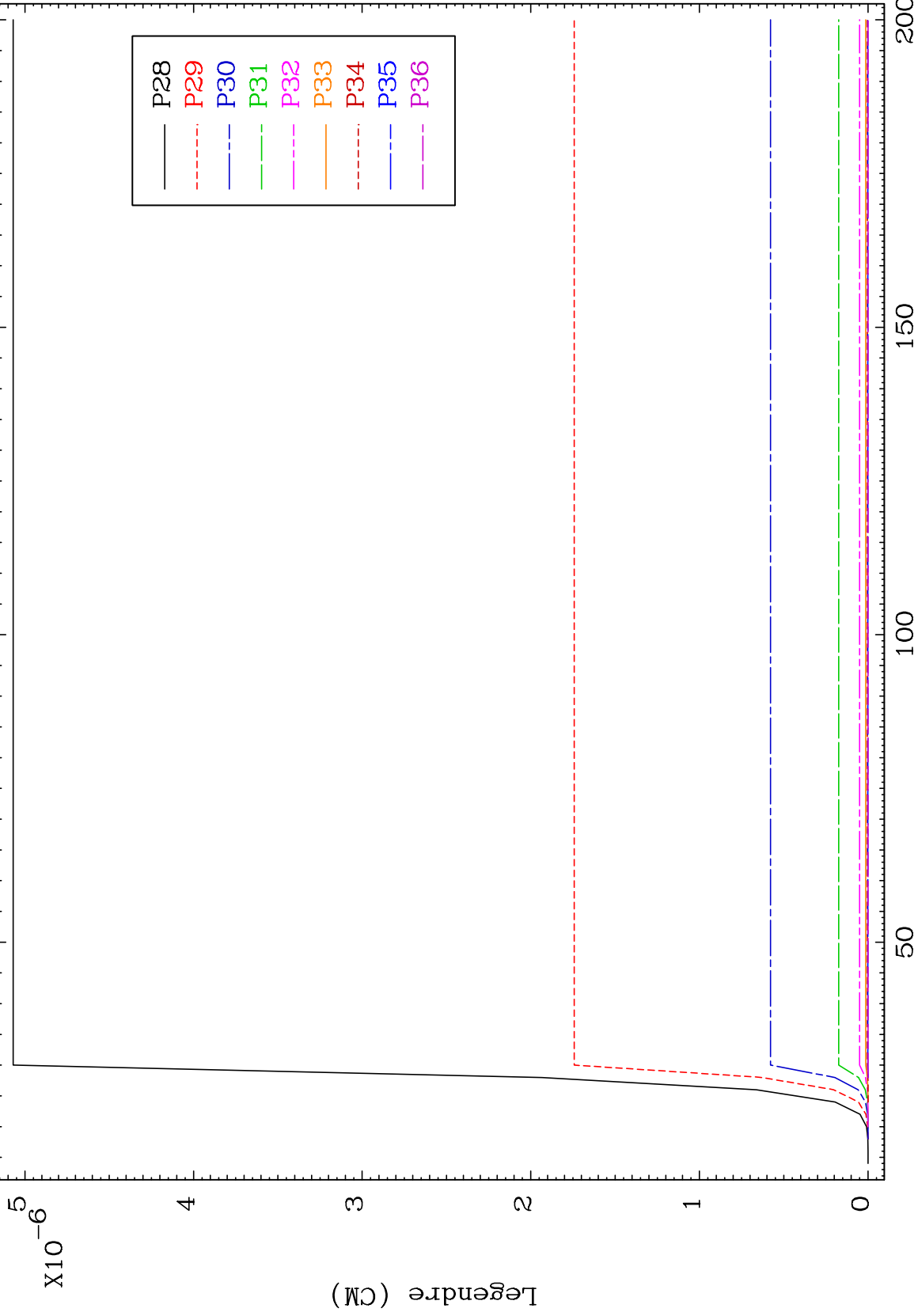
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137

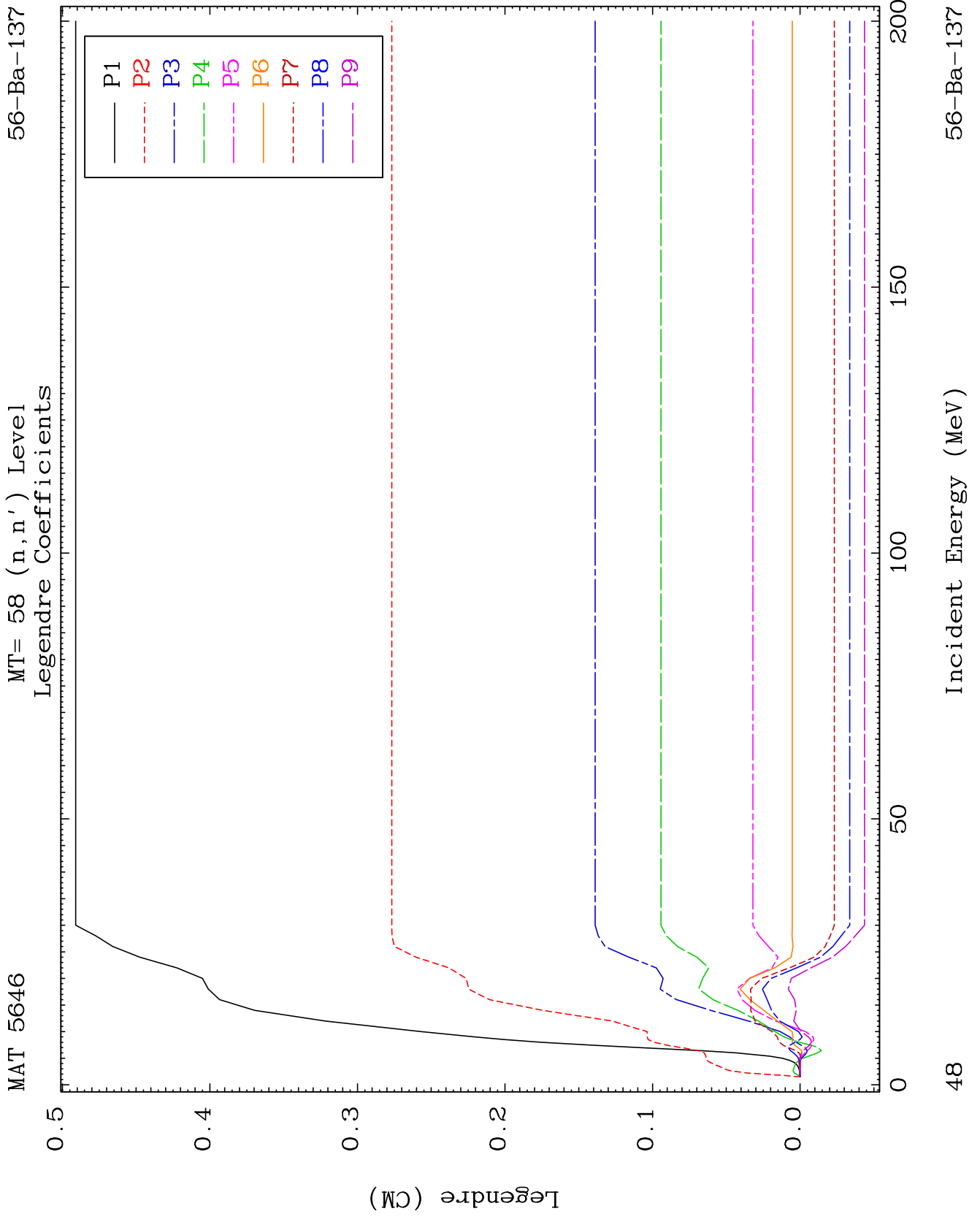


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Incident Energy (MeV)

56-Ba-137

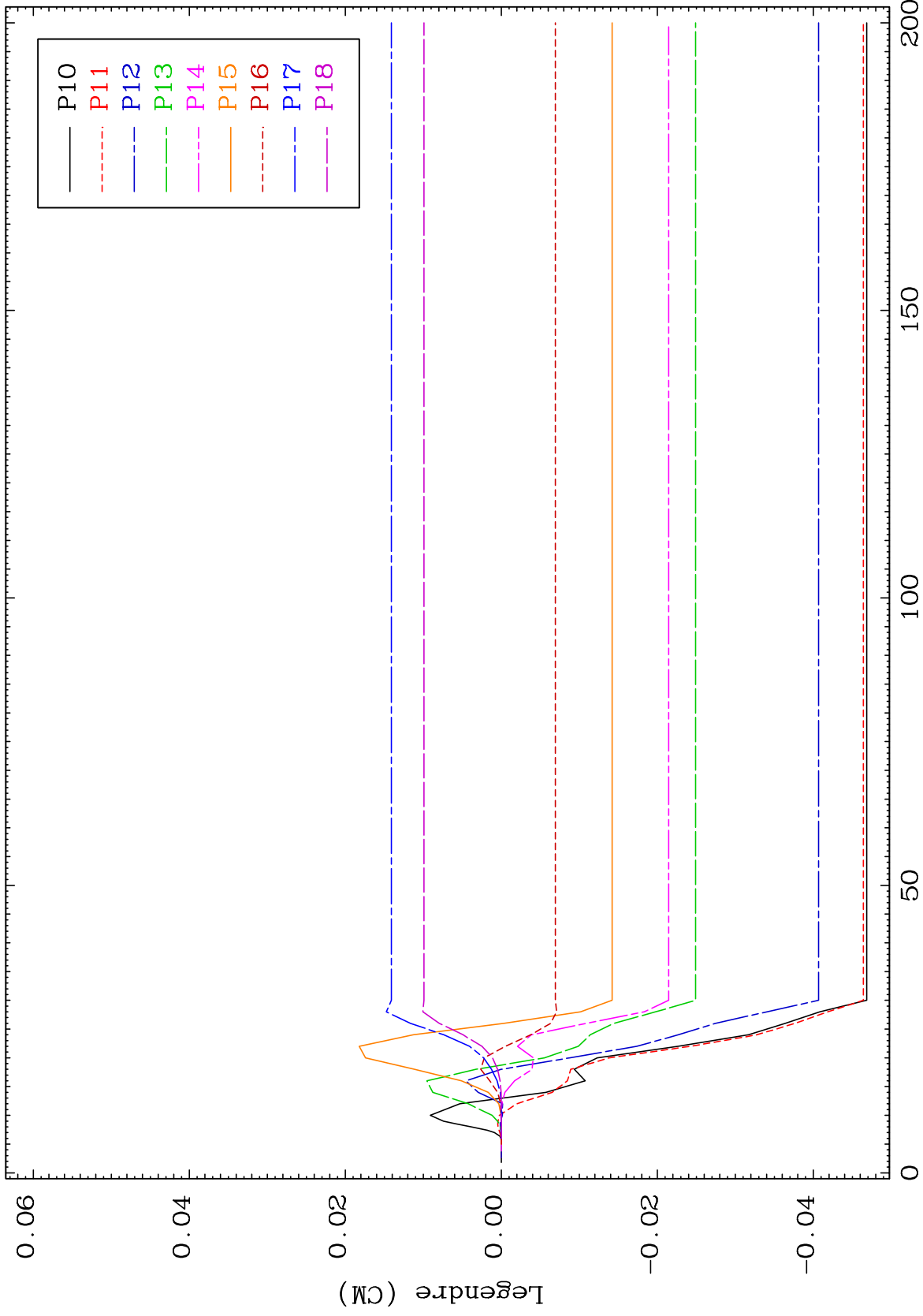




MAT 5646

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

56-Ba-137



49

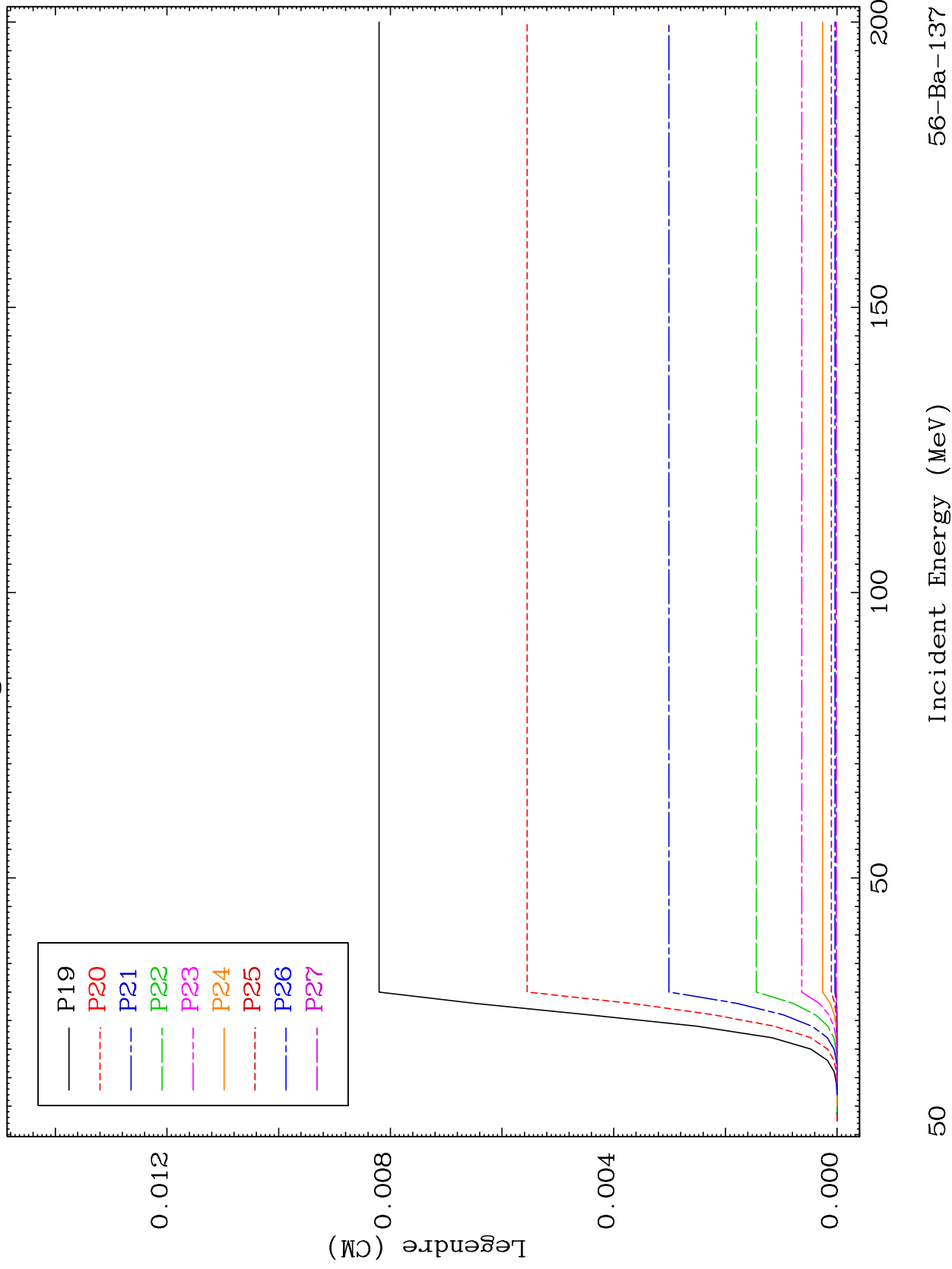
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



56-Ba-137

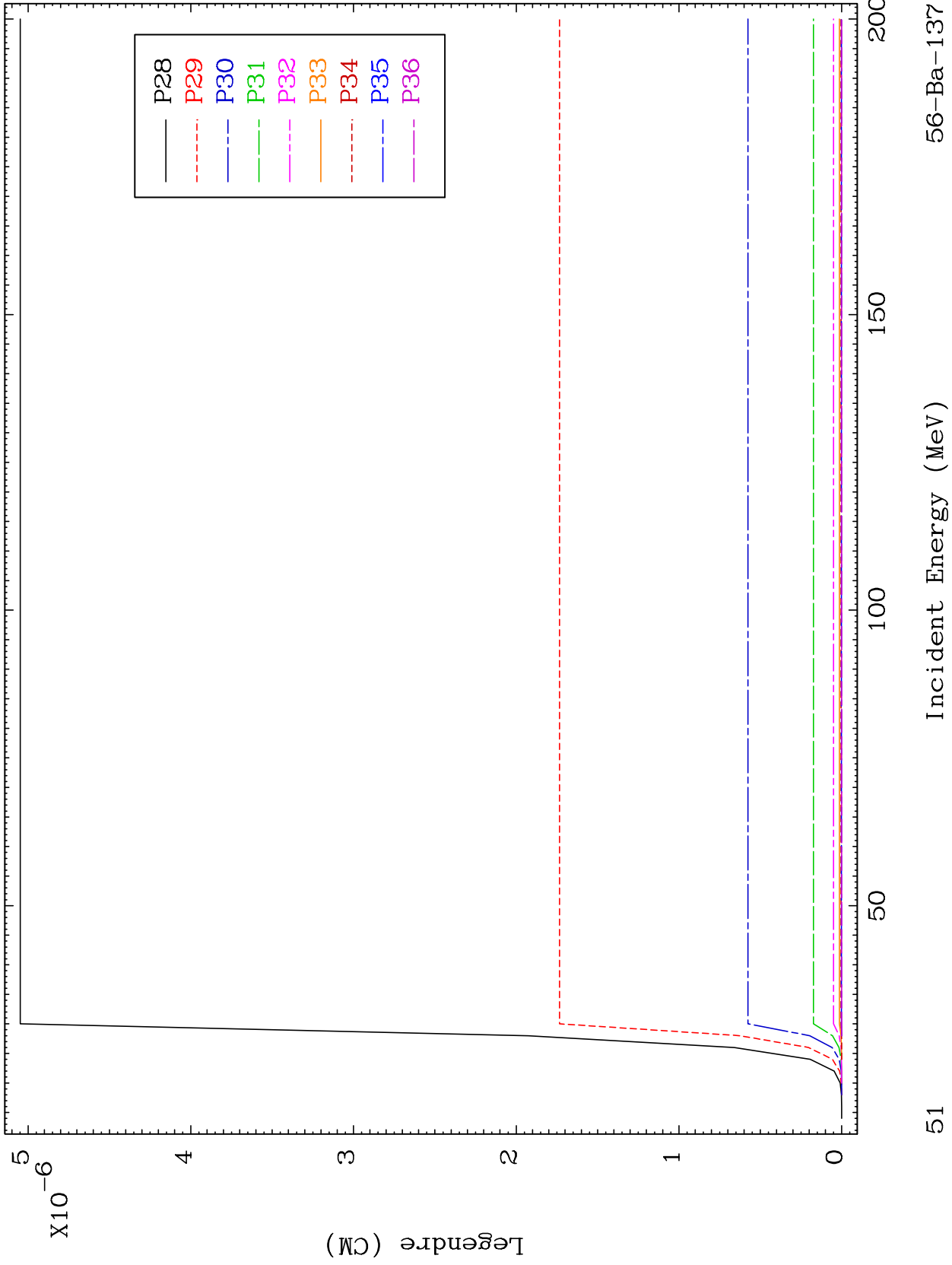
Incident Energy (MeV)

50

MAT 5646

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

56-Ba-137



51

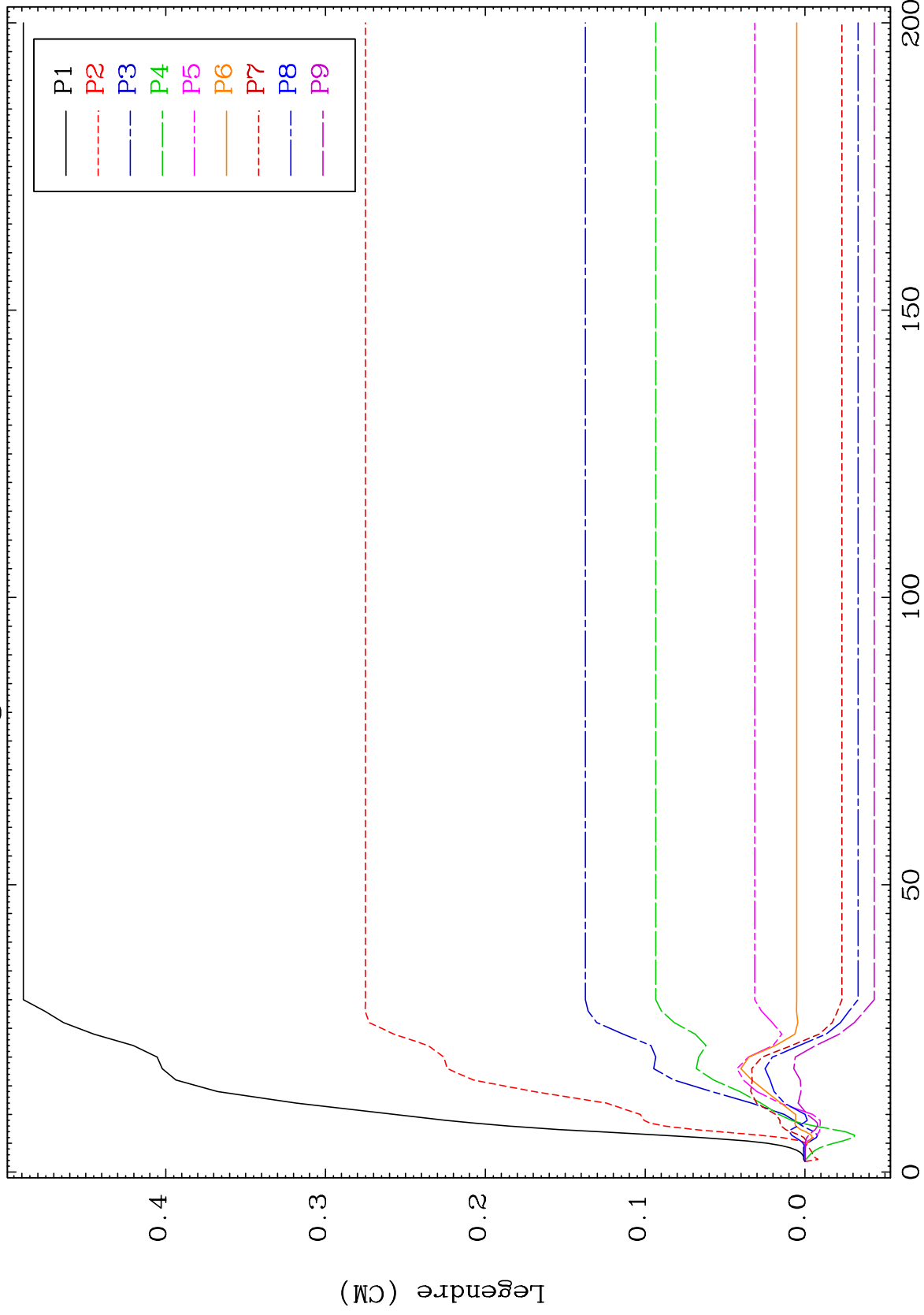
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

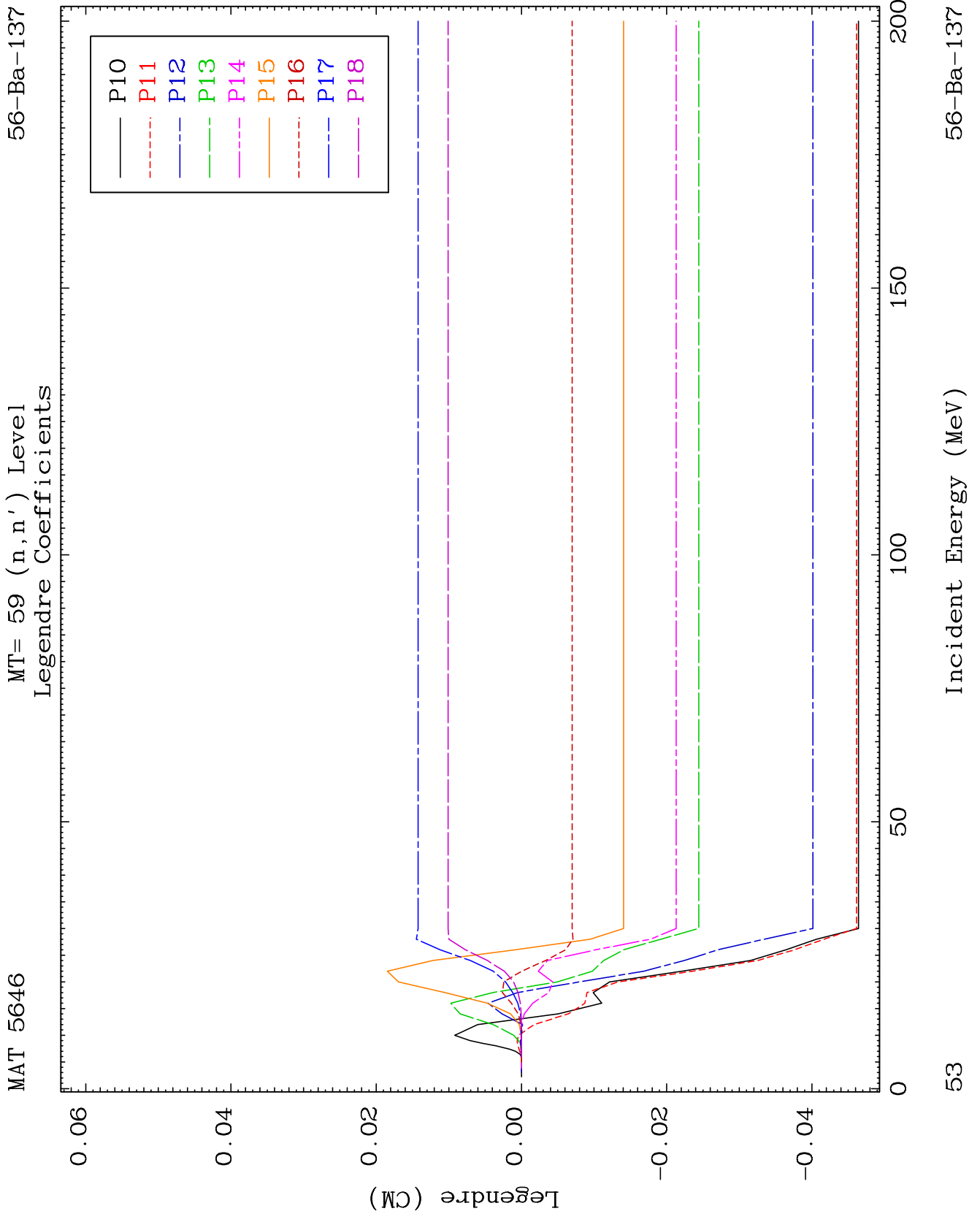
56-Ba-137



52

Incident Energy (MeV)

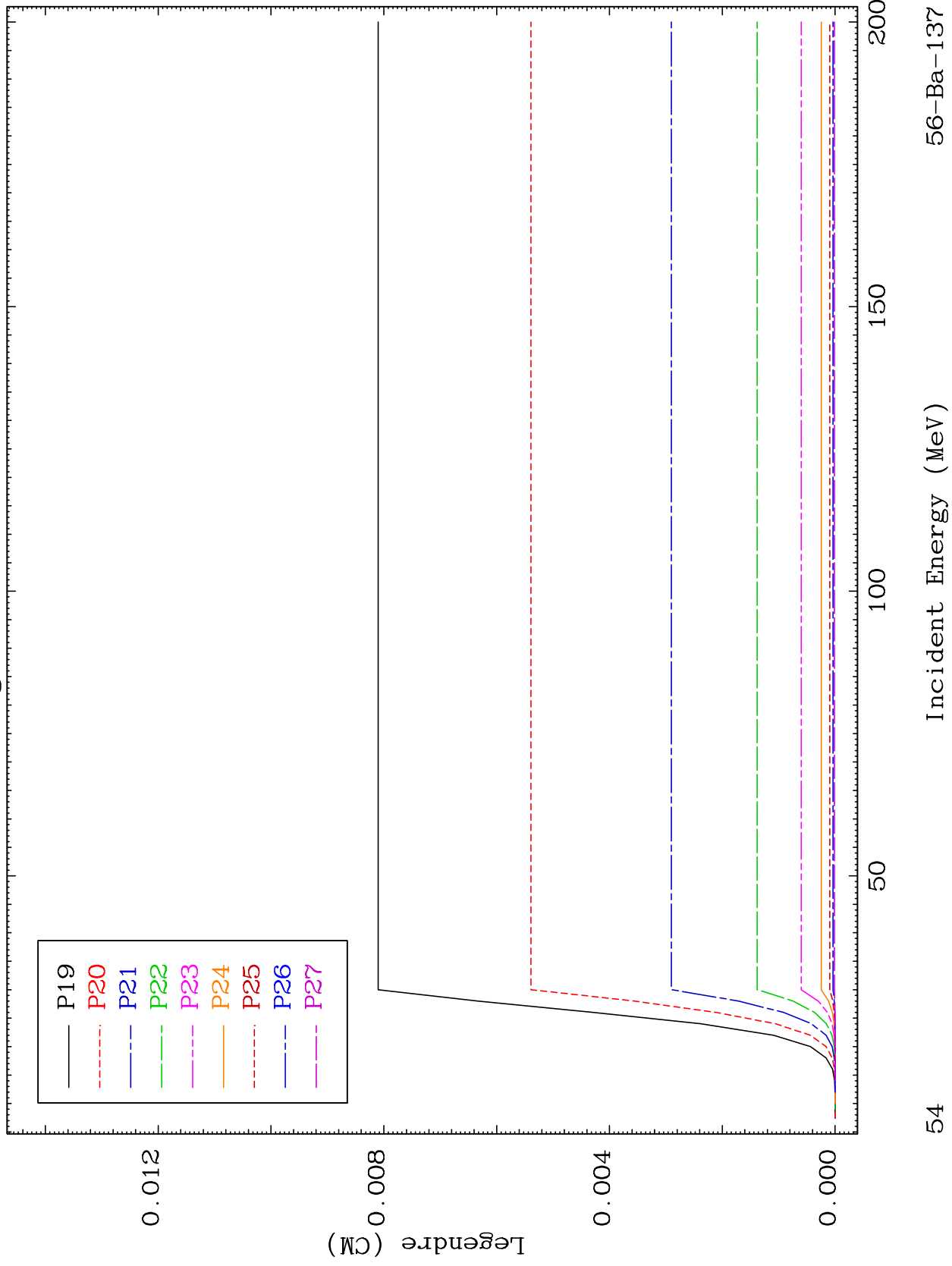
56-Ba-137



MAT 5646

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

56-Ba-137



54

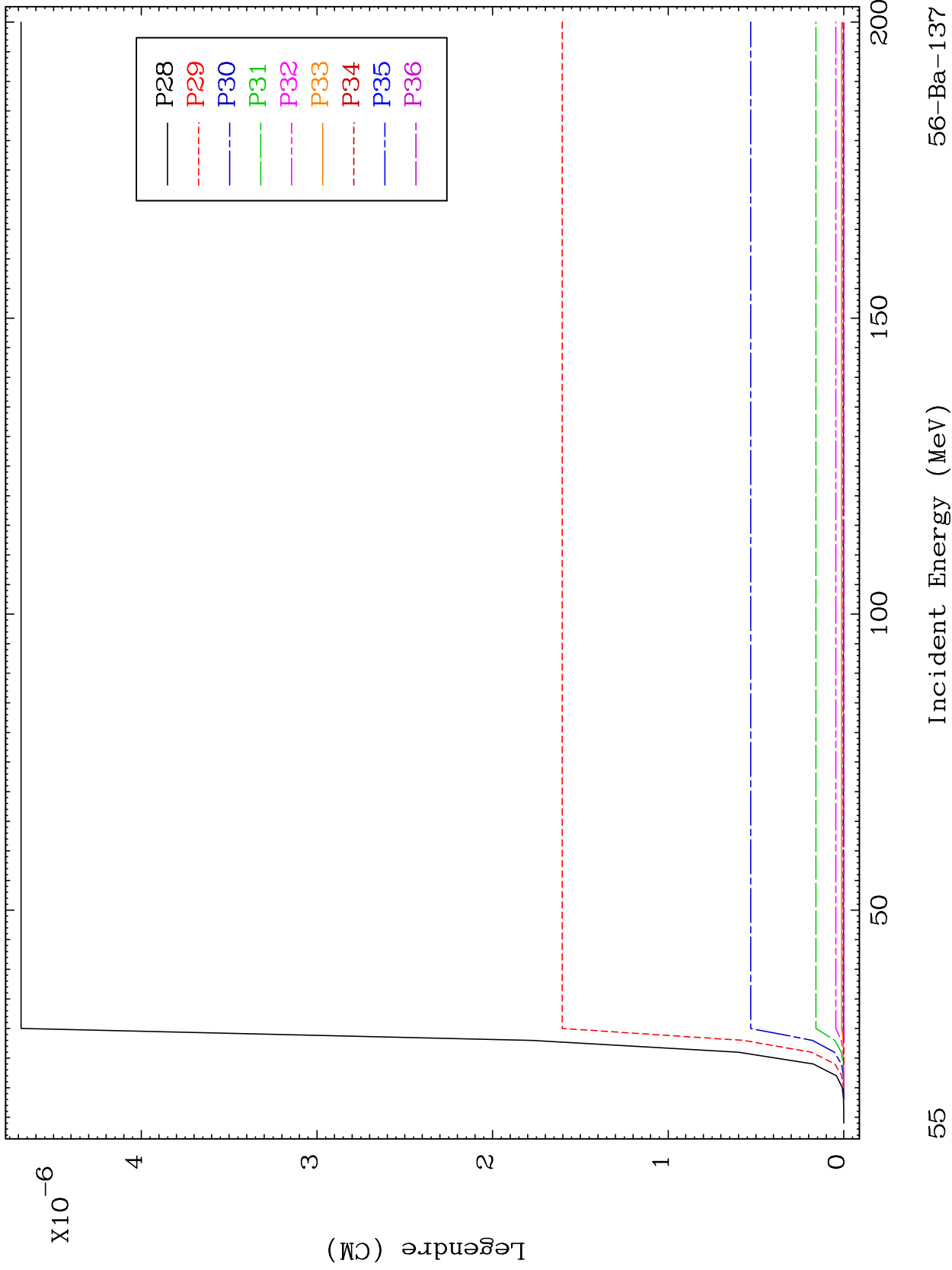
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137

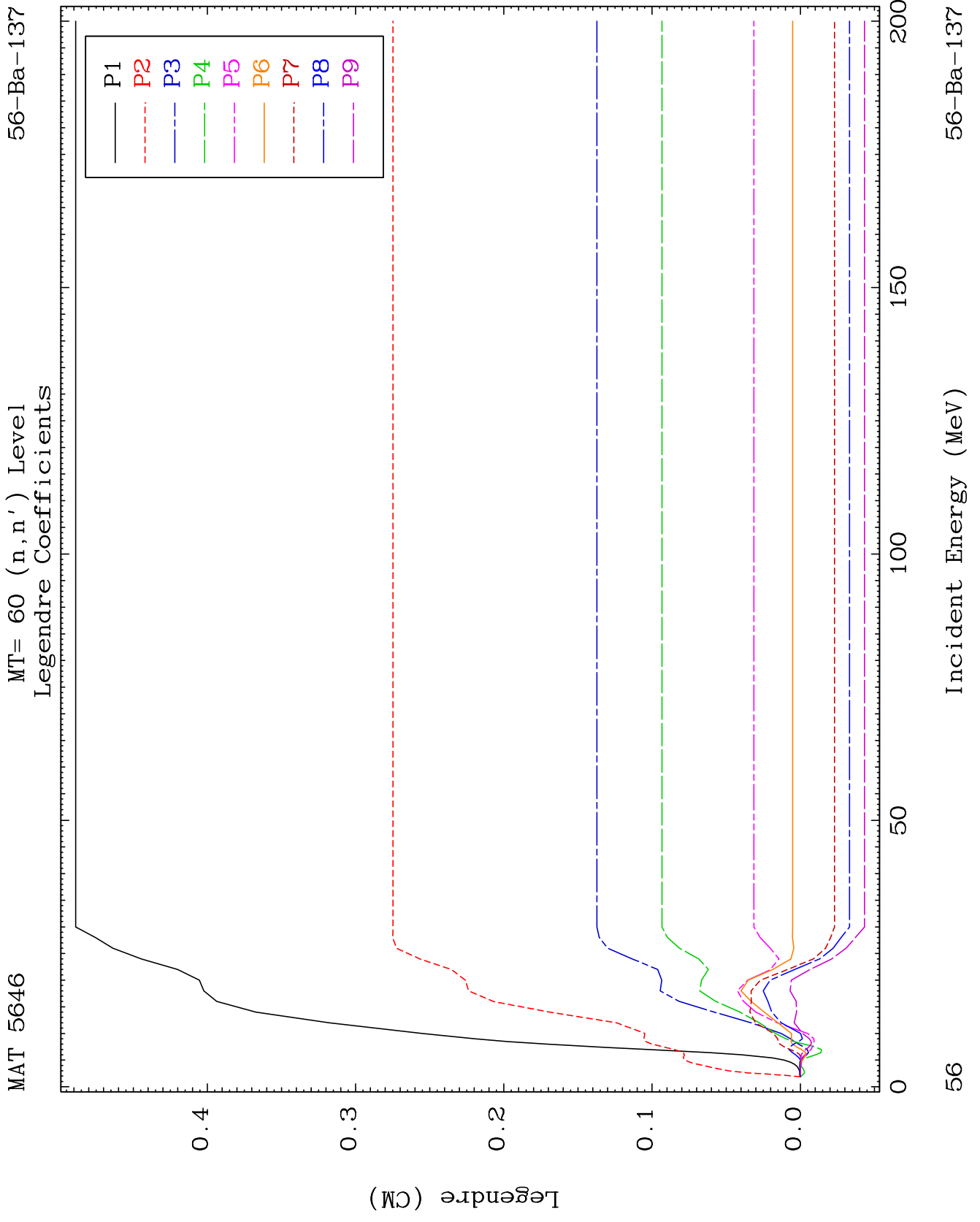


55

Incident Energy (MeV)

56-Ba-137



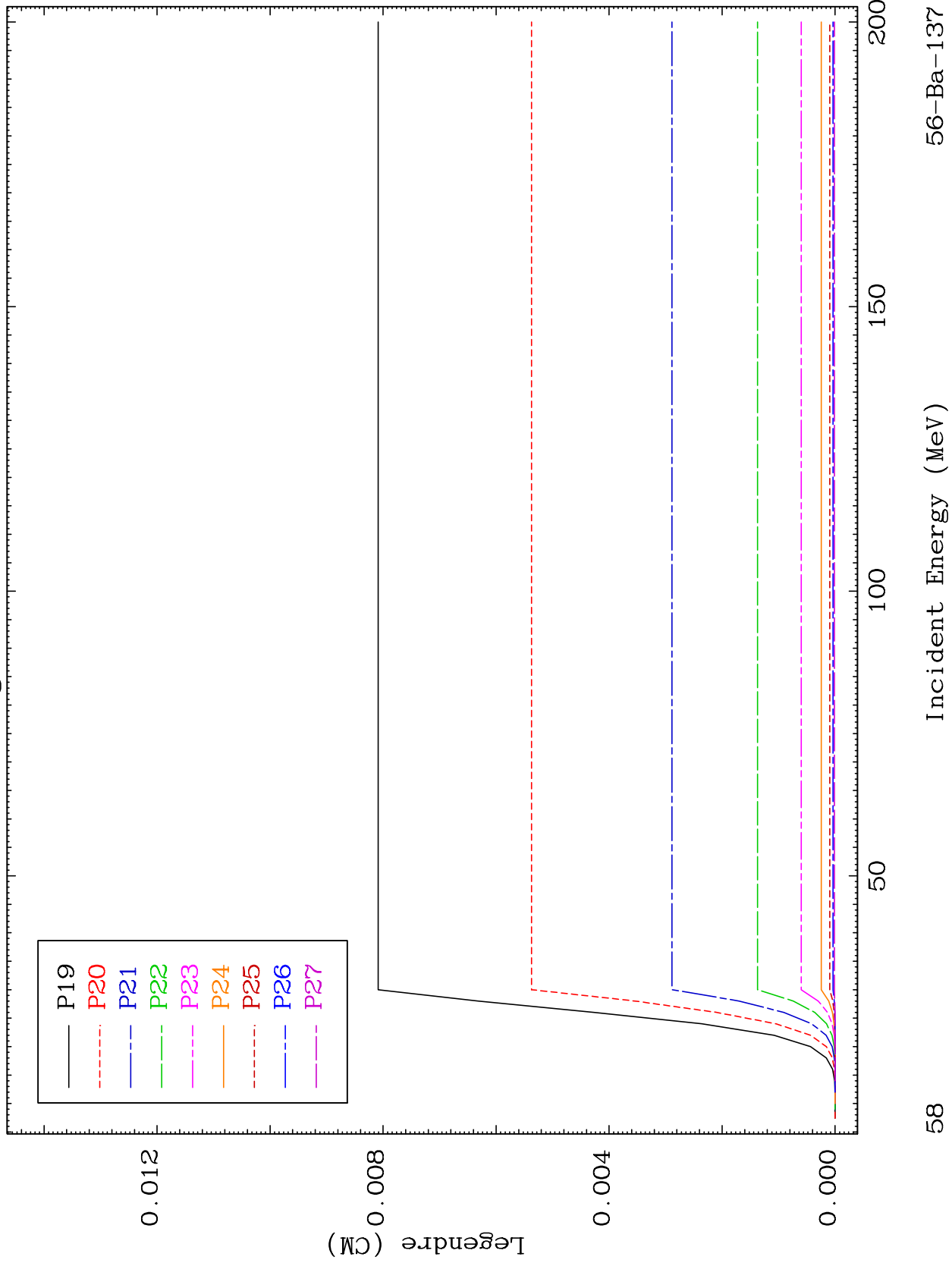




MAT 5646

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

56-Ba-137



58

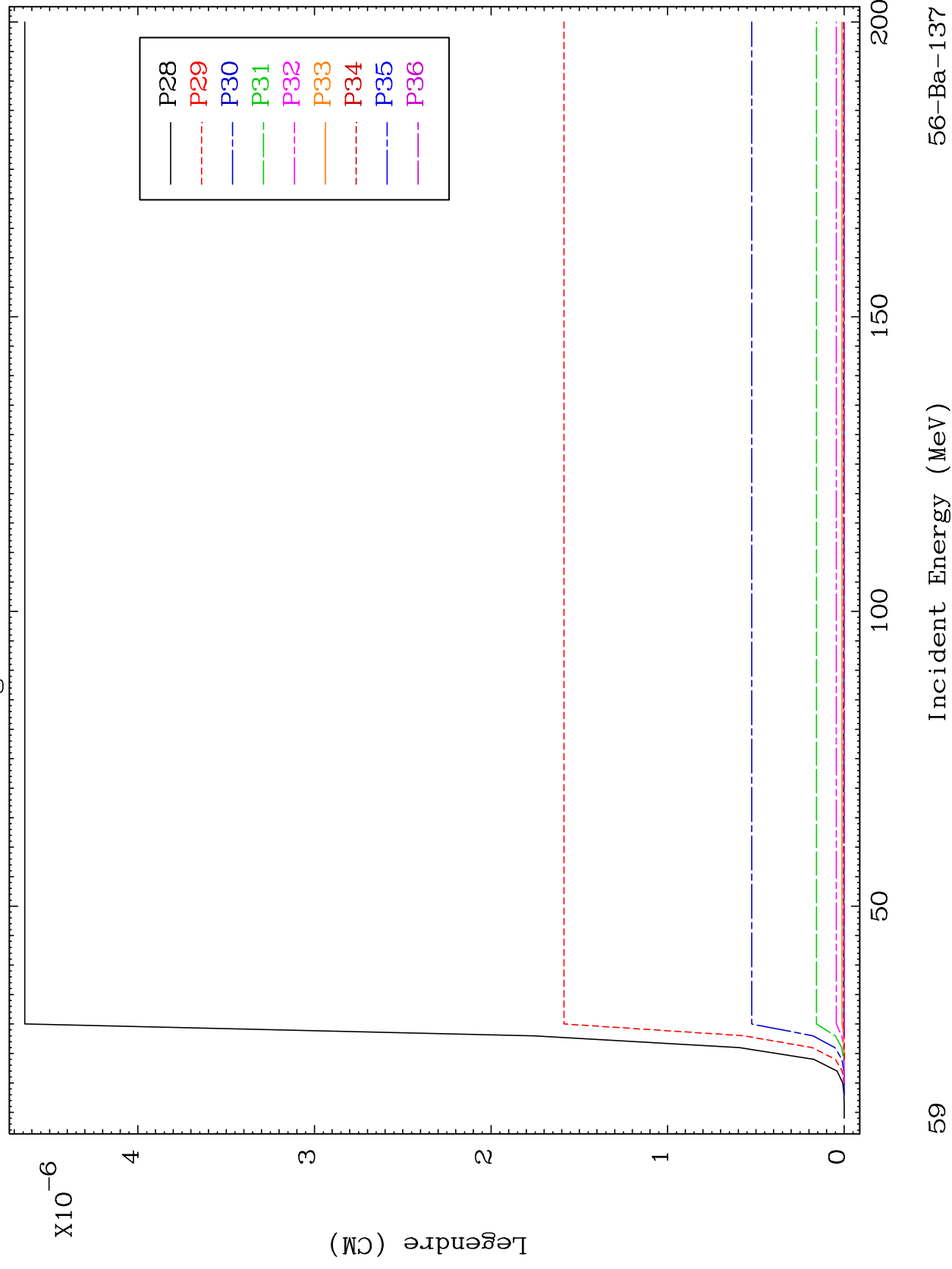
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



59

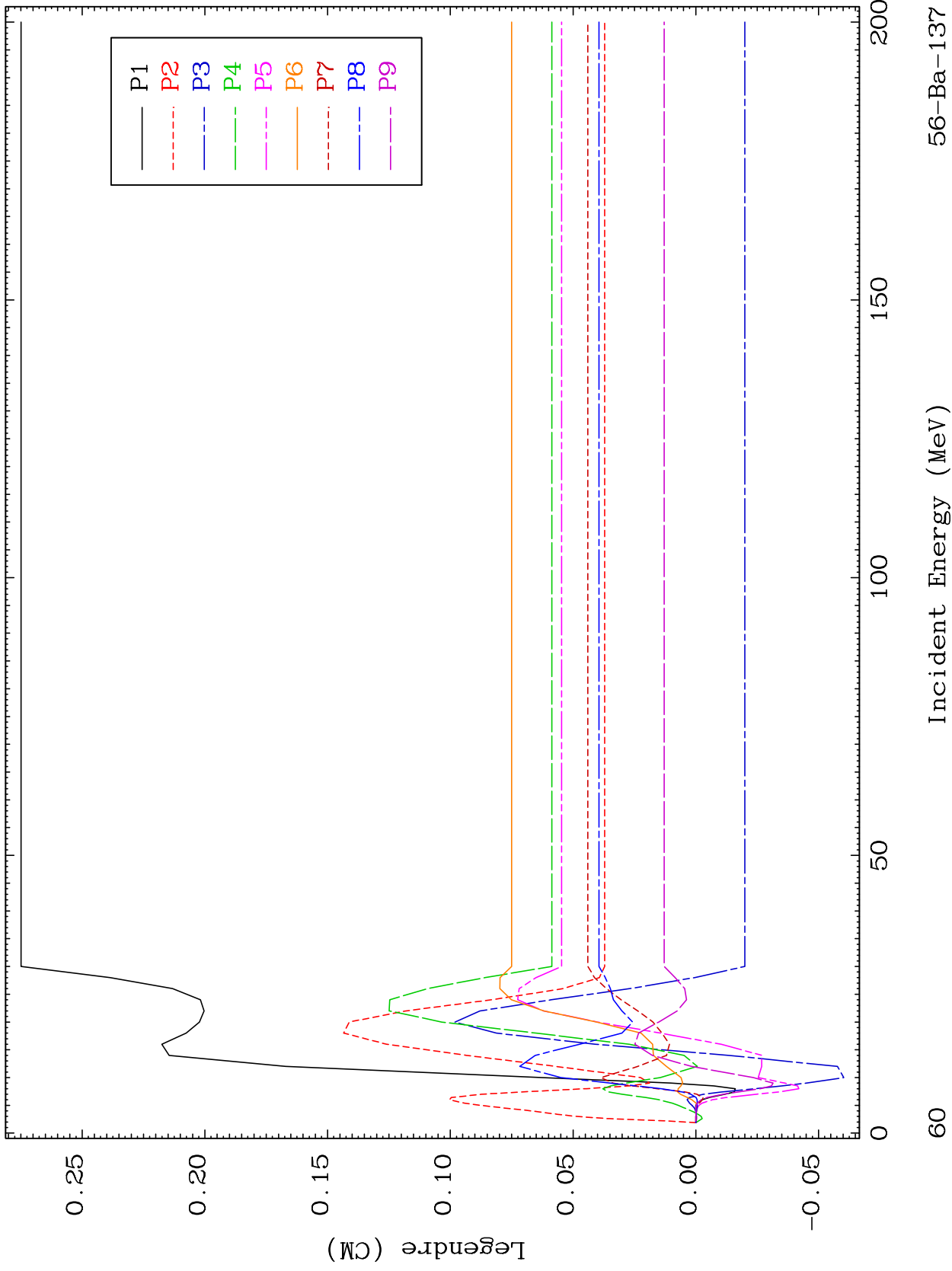
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



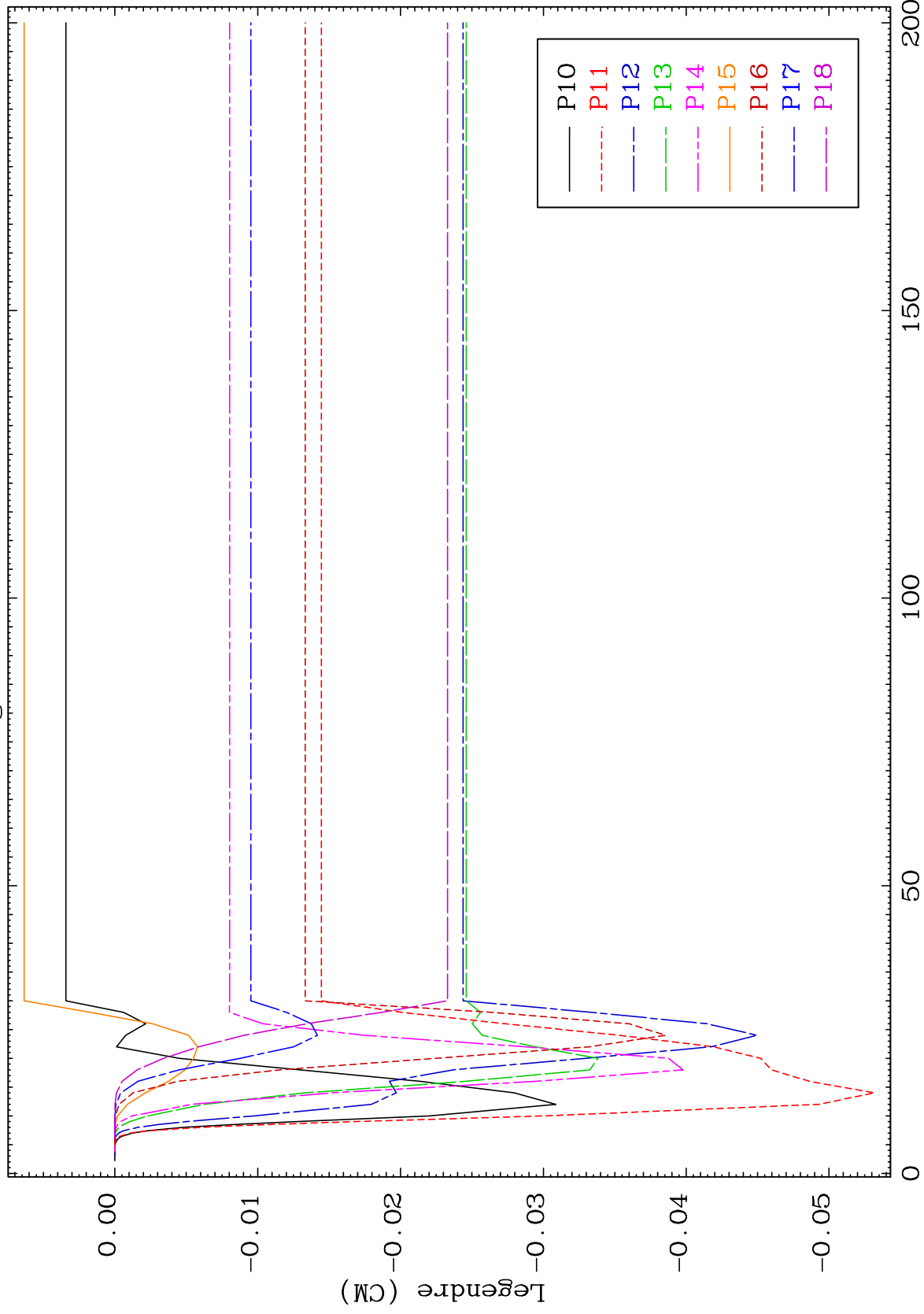
56-Ba-137

Incident Energy (MeV)

MAT 5646

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

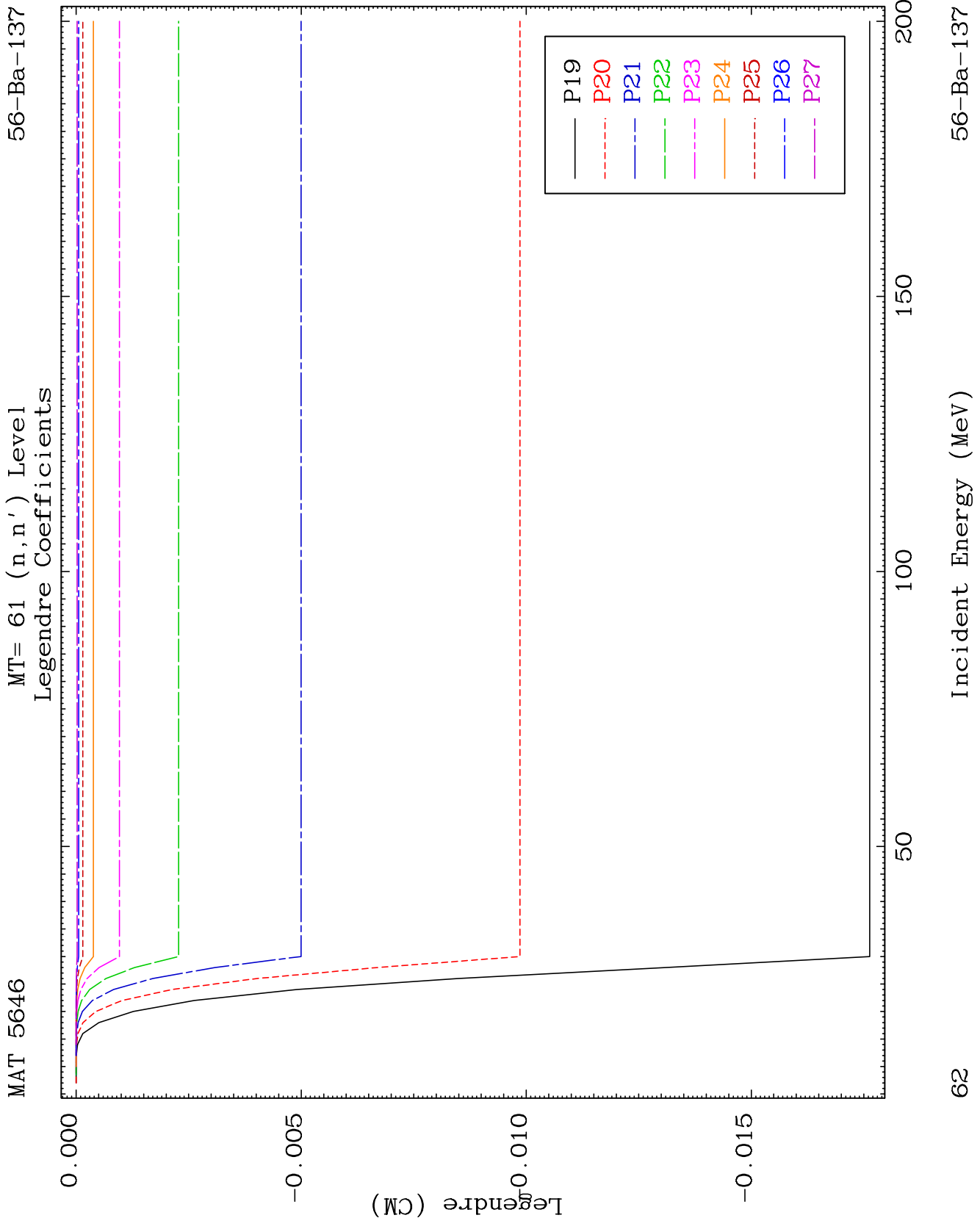
56-Ba-137

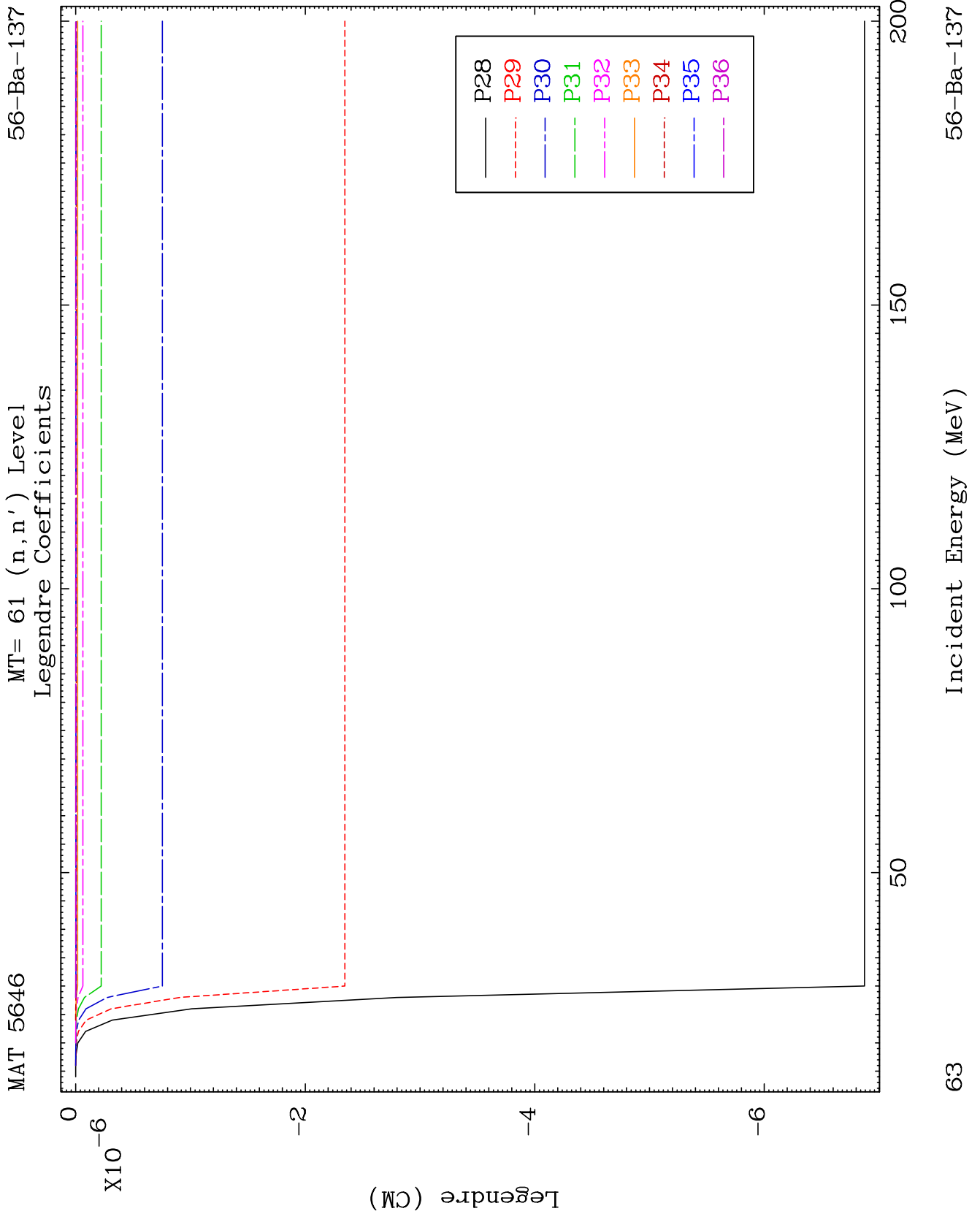


61

Incident Energy (MeV)

56-Ba-137



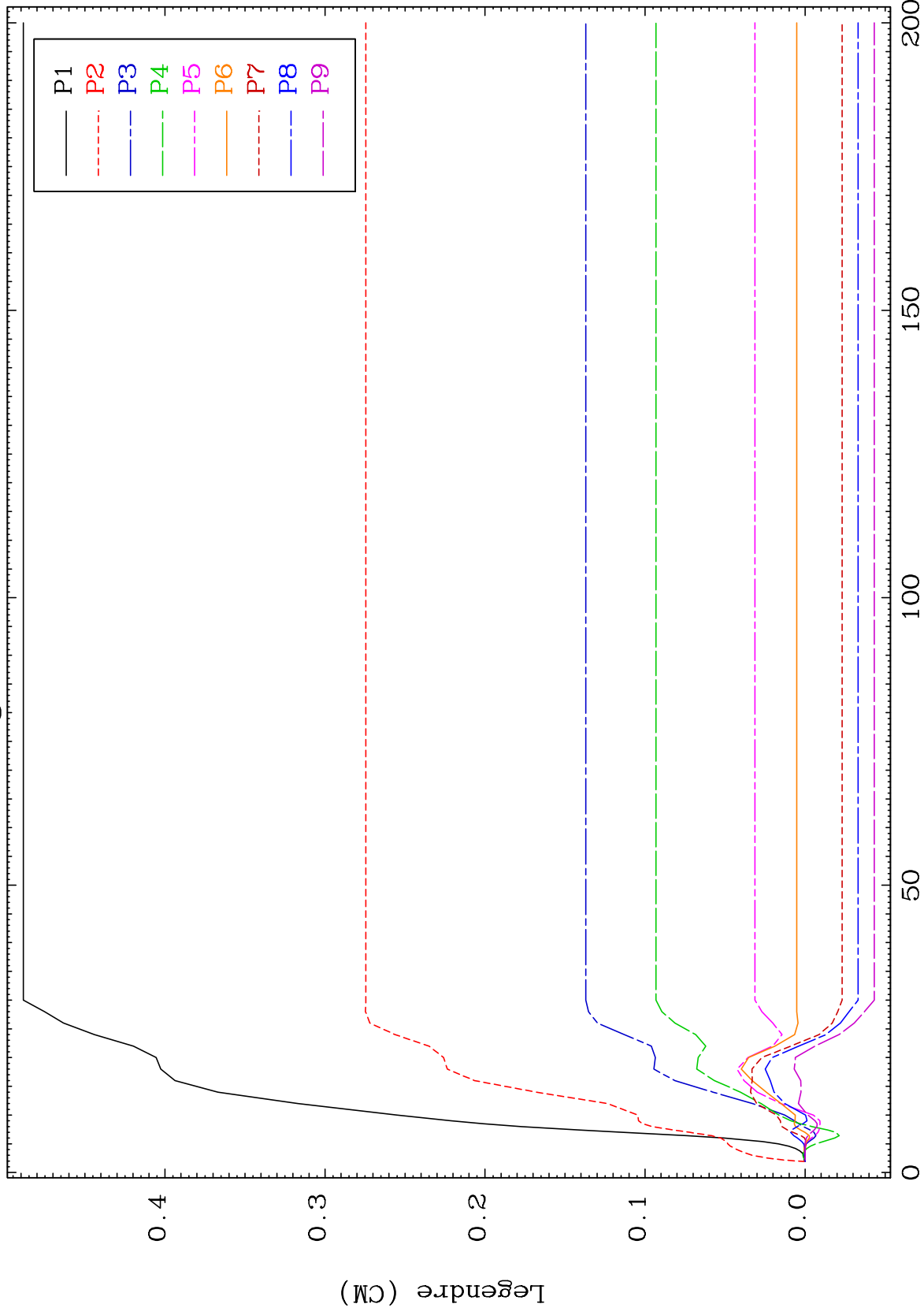




MAT 5646

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

56-Ba-137



64

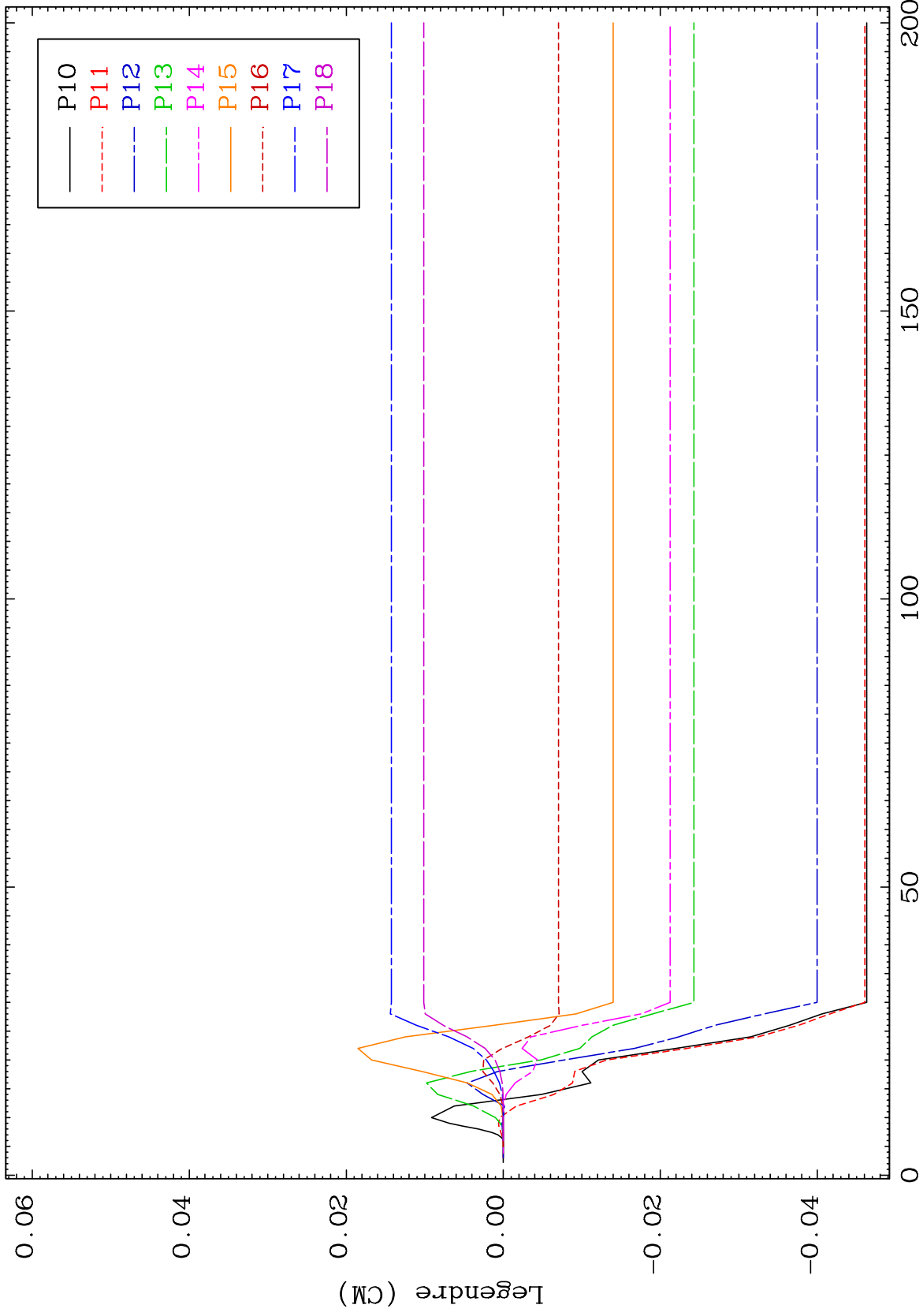
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



65

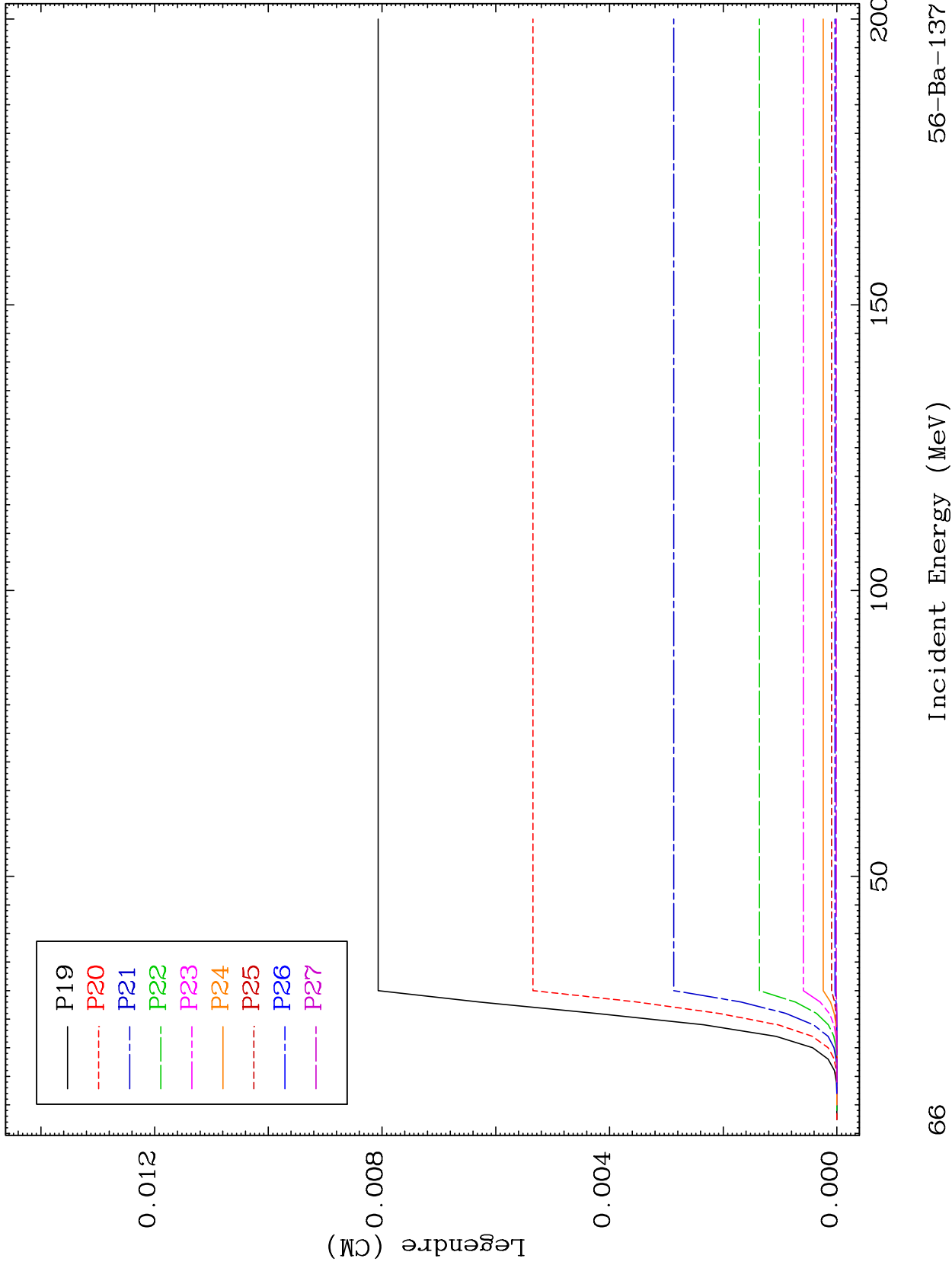
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



66

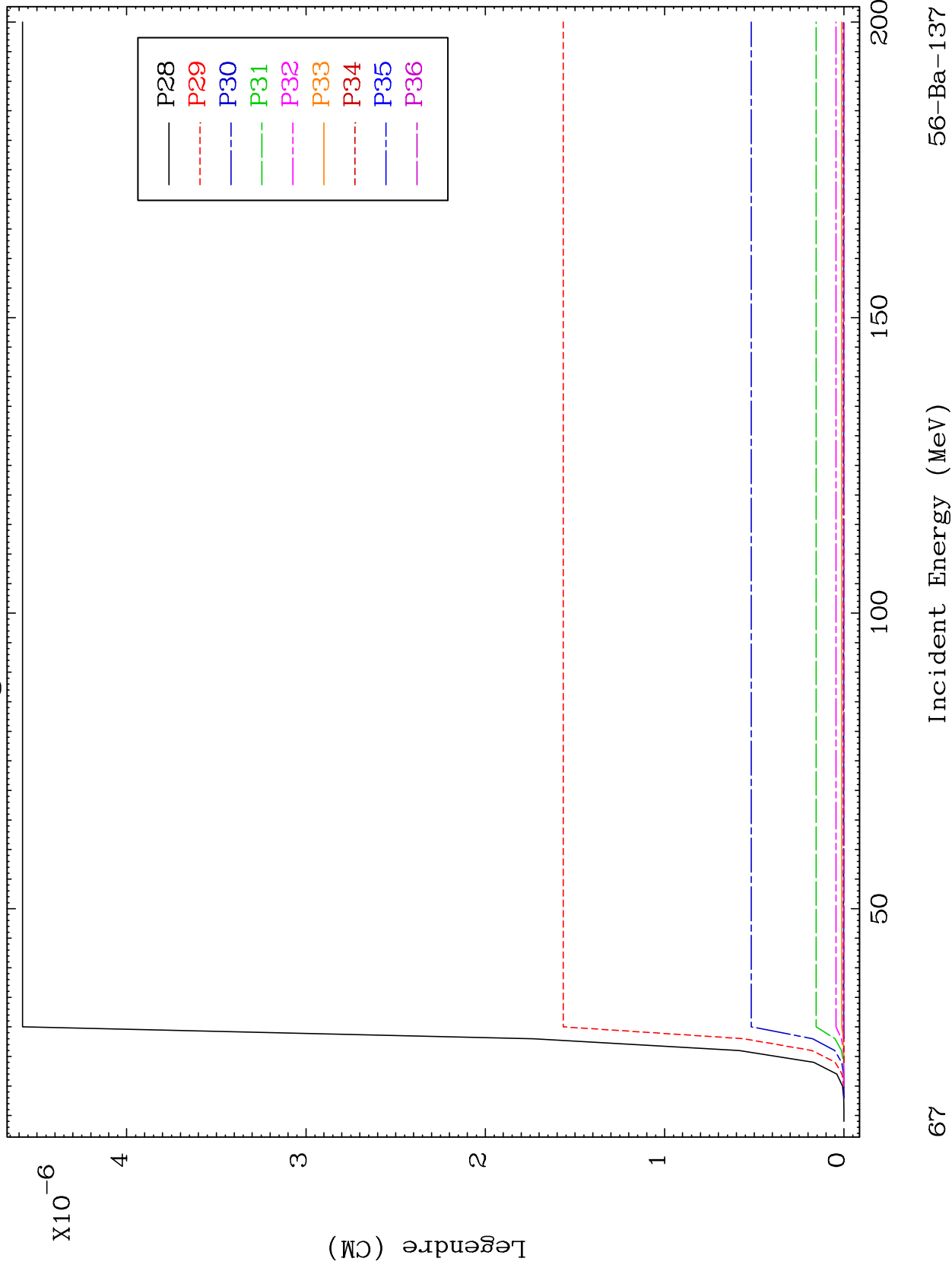
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



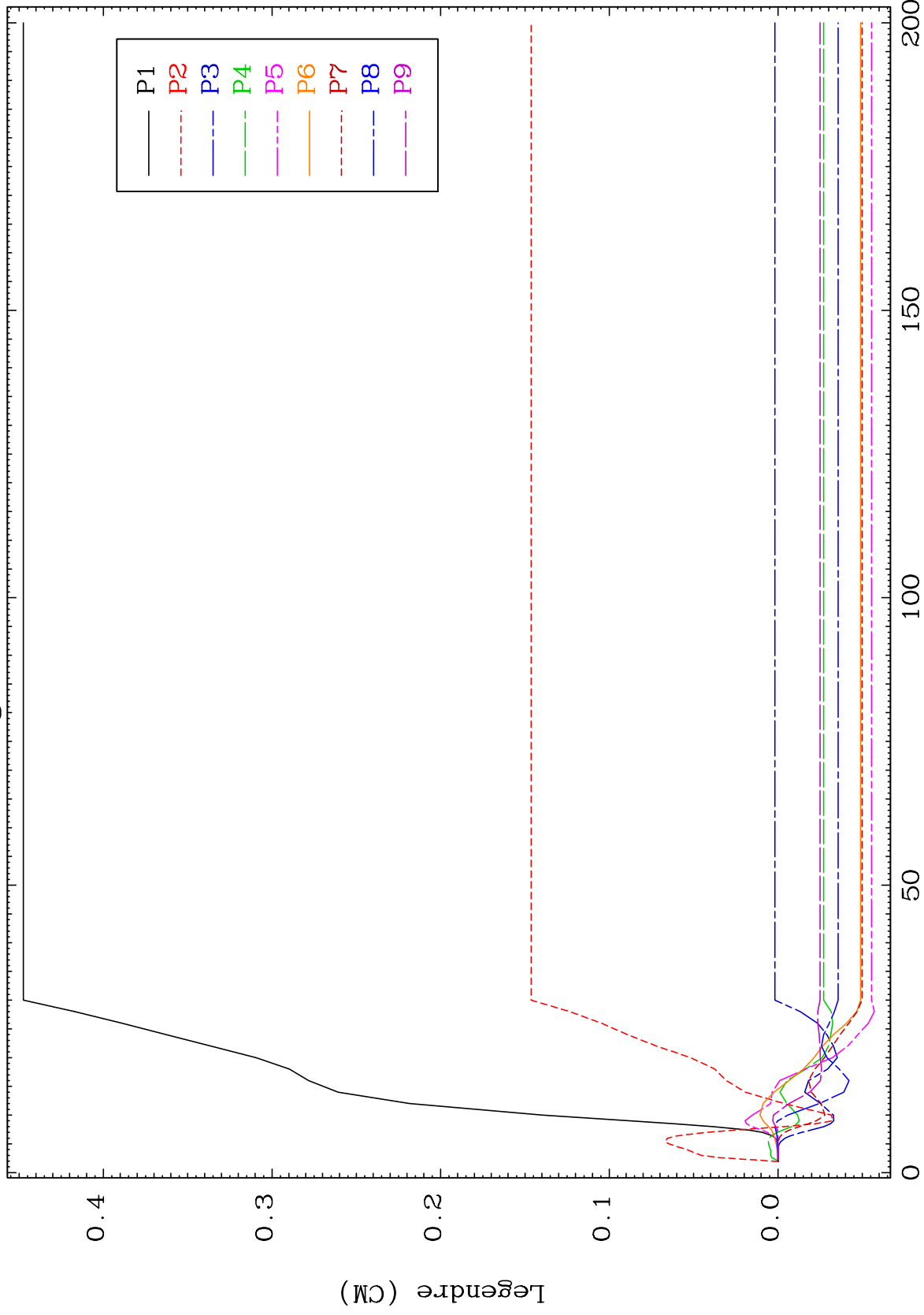
67

56-Ba-137

MAT 5646

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

56-Ba-137



56-Ba-137

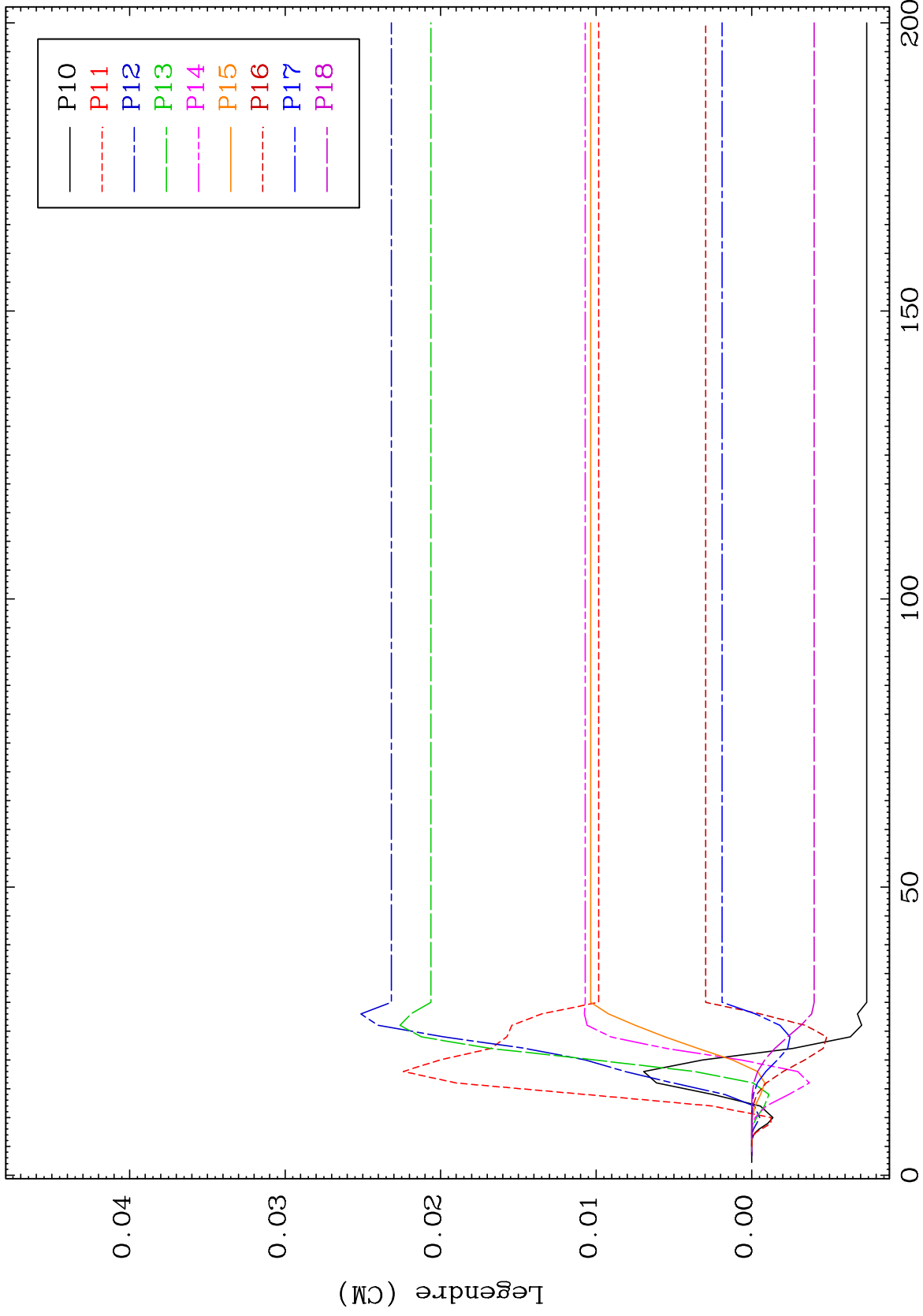
Incident Energy (MeV)

68

MAT 5646

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

56-Ba-137



69

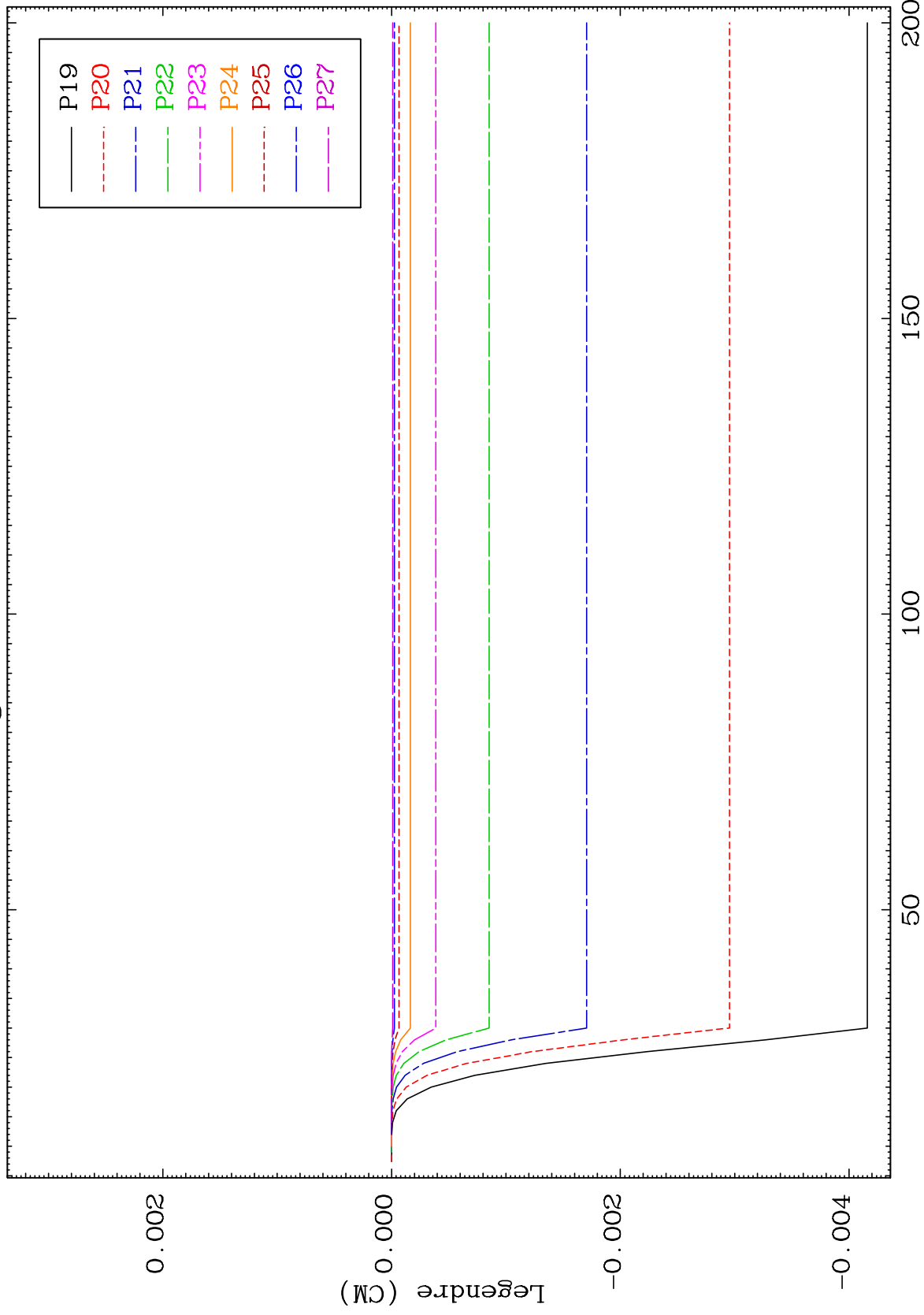
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

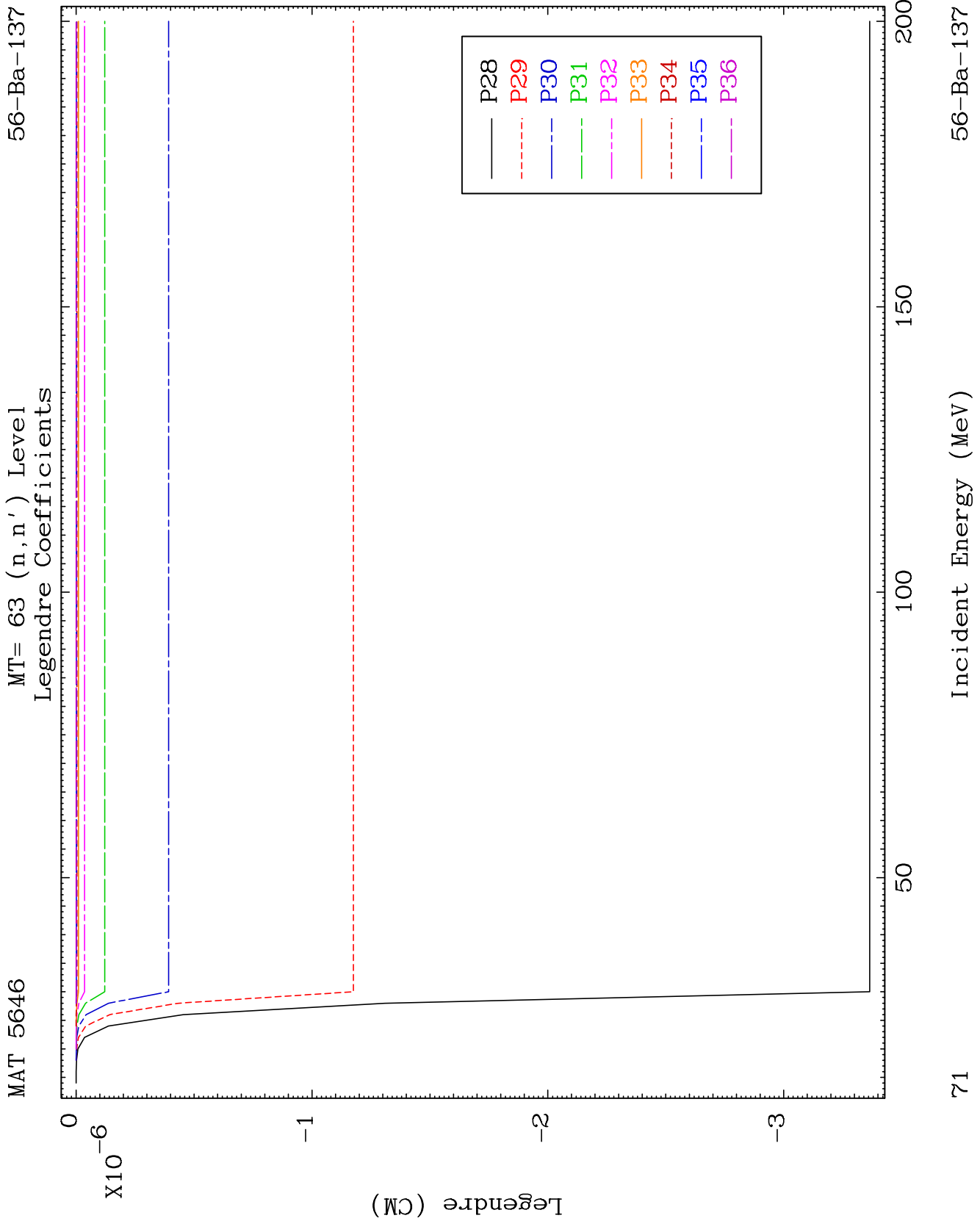
56-Ba-137



70

Incident Energy (MeV)

56-Ba-137

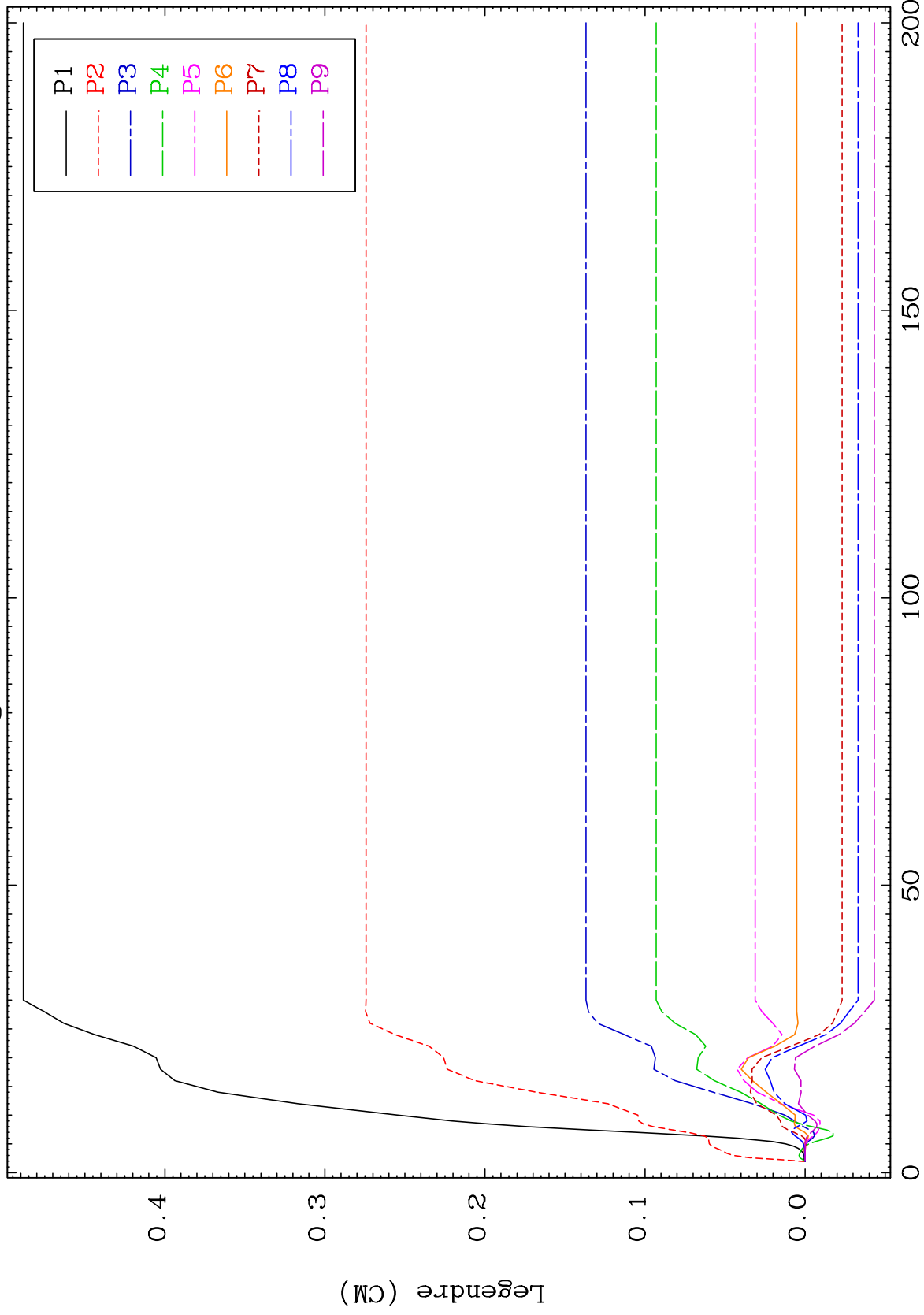




MAT 5646

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

56-Ba-137



72

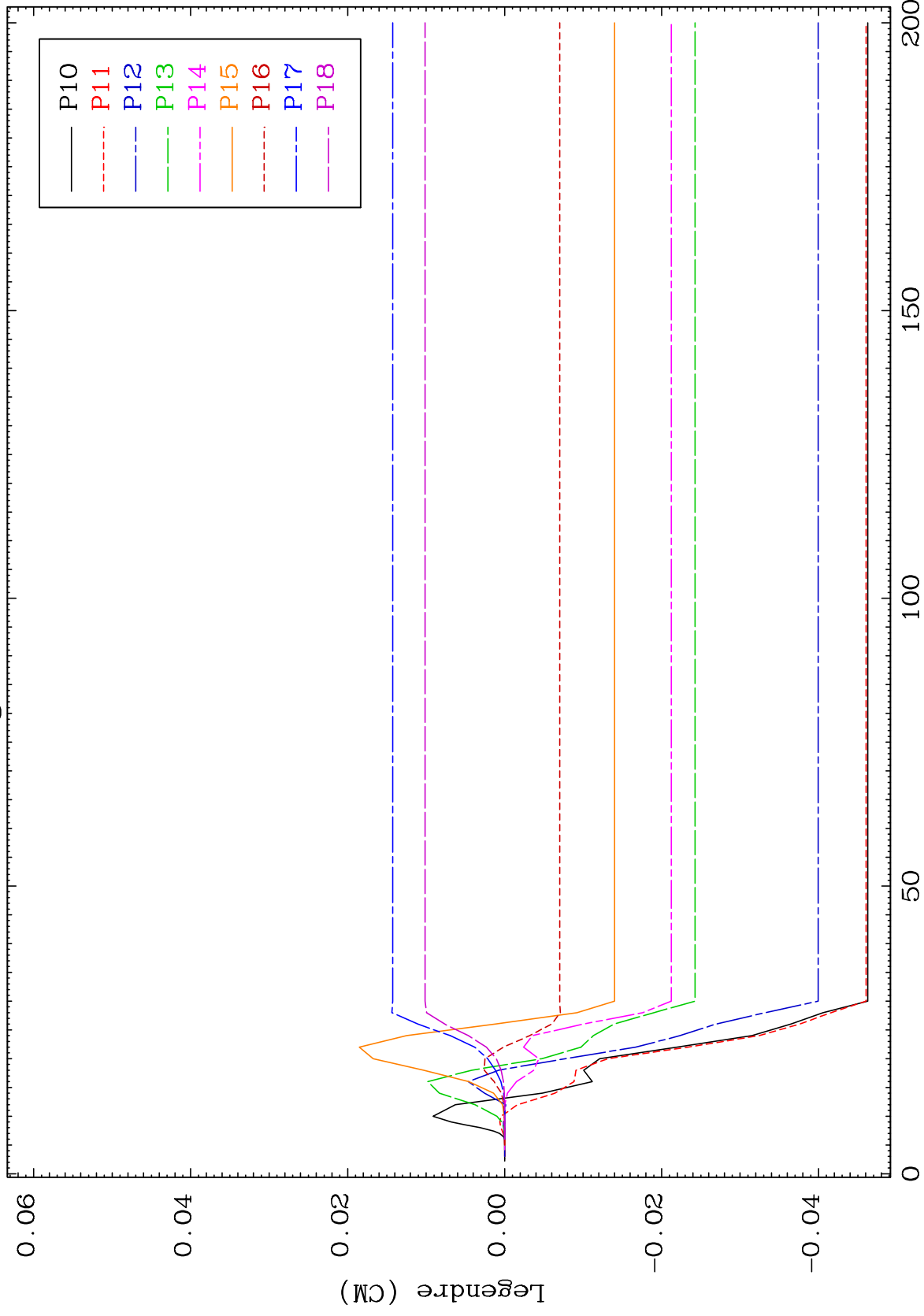
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



73

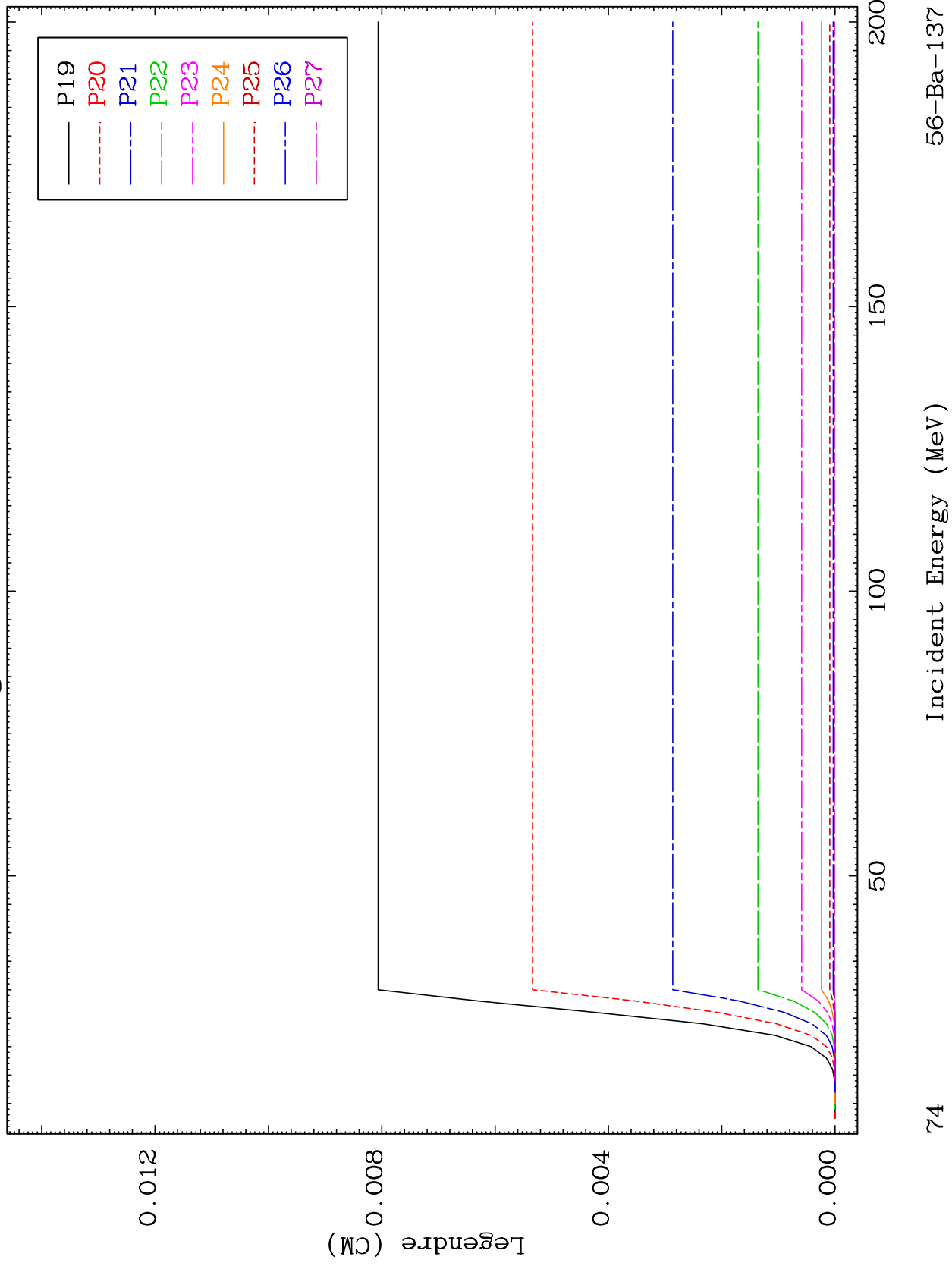
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



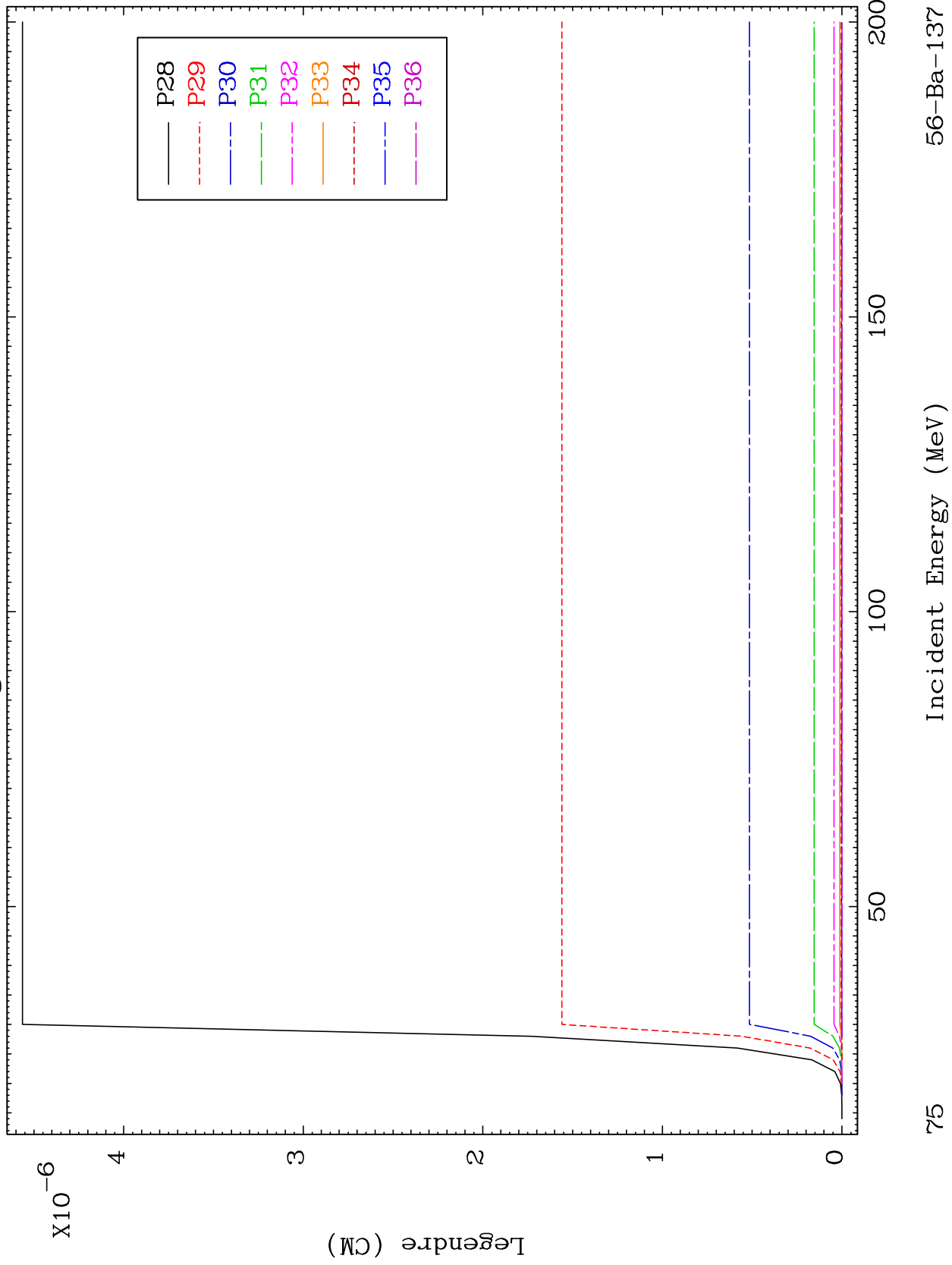
74

56-Ba-137

MAT 5646

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

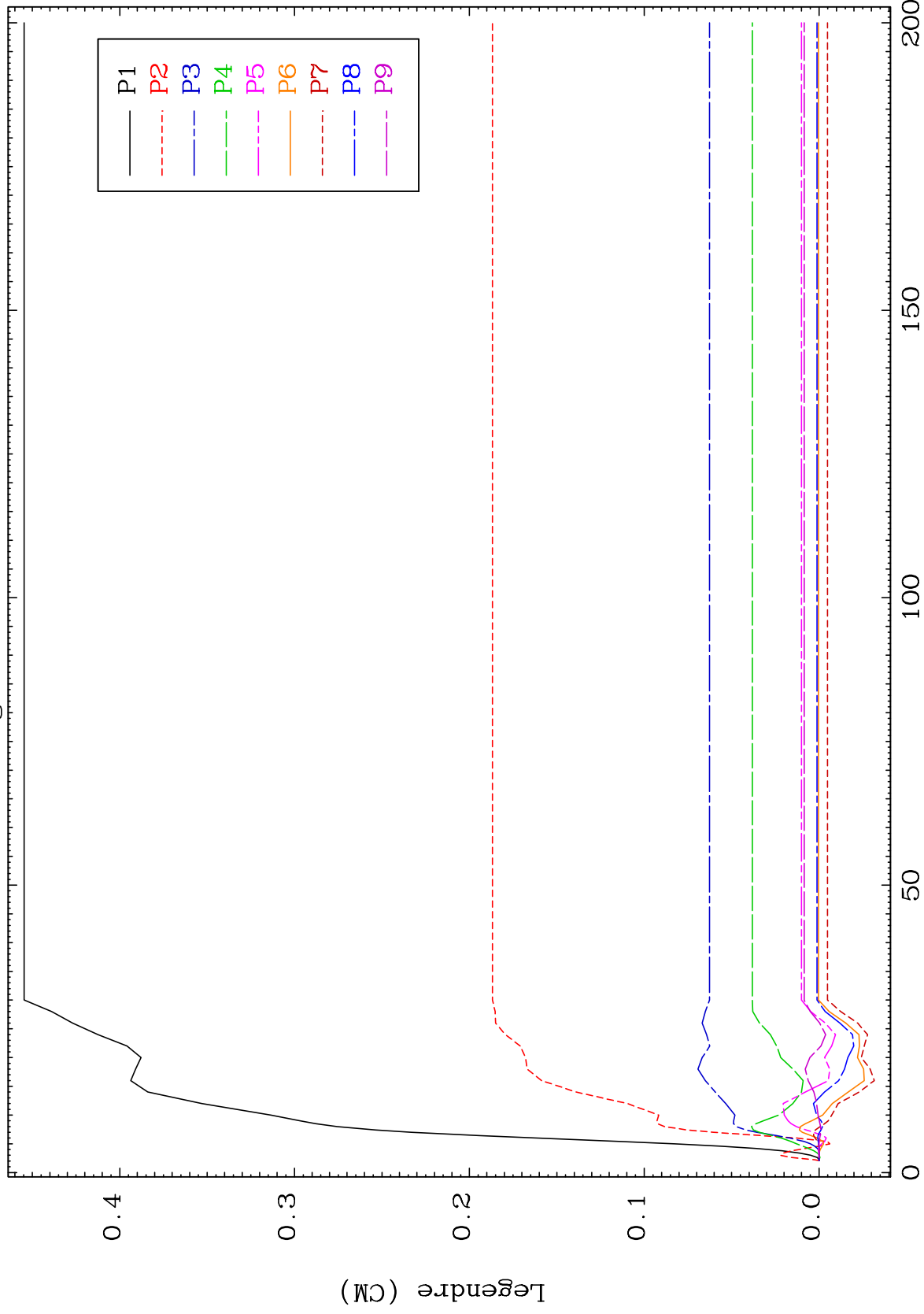
56-Ba-137



MAT 5646

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

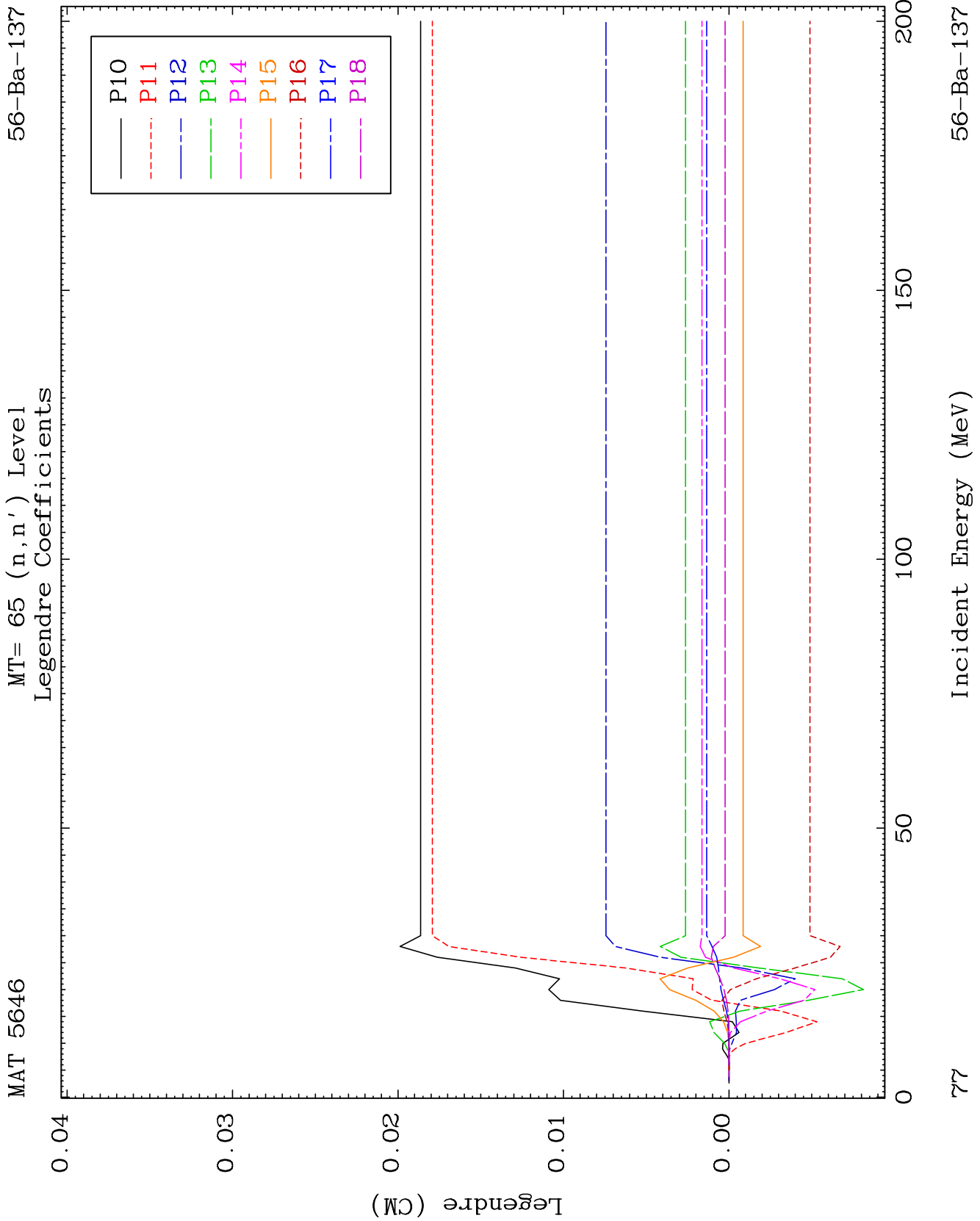
56-Ba-137



76

Incident Energy (MeV)

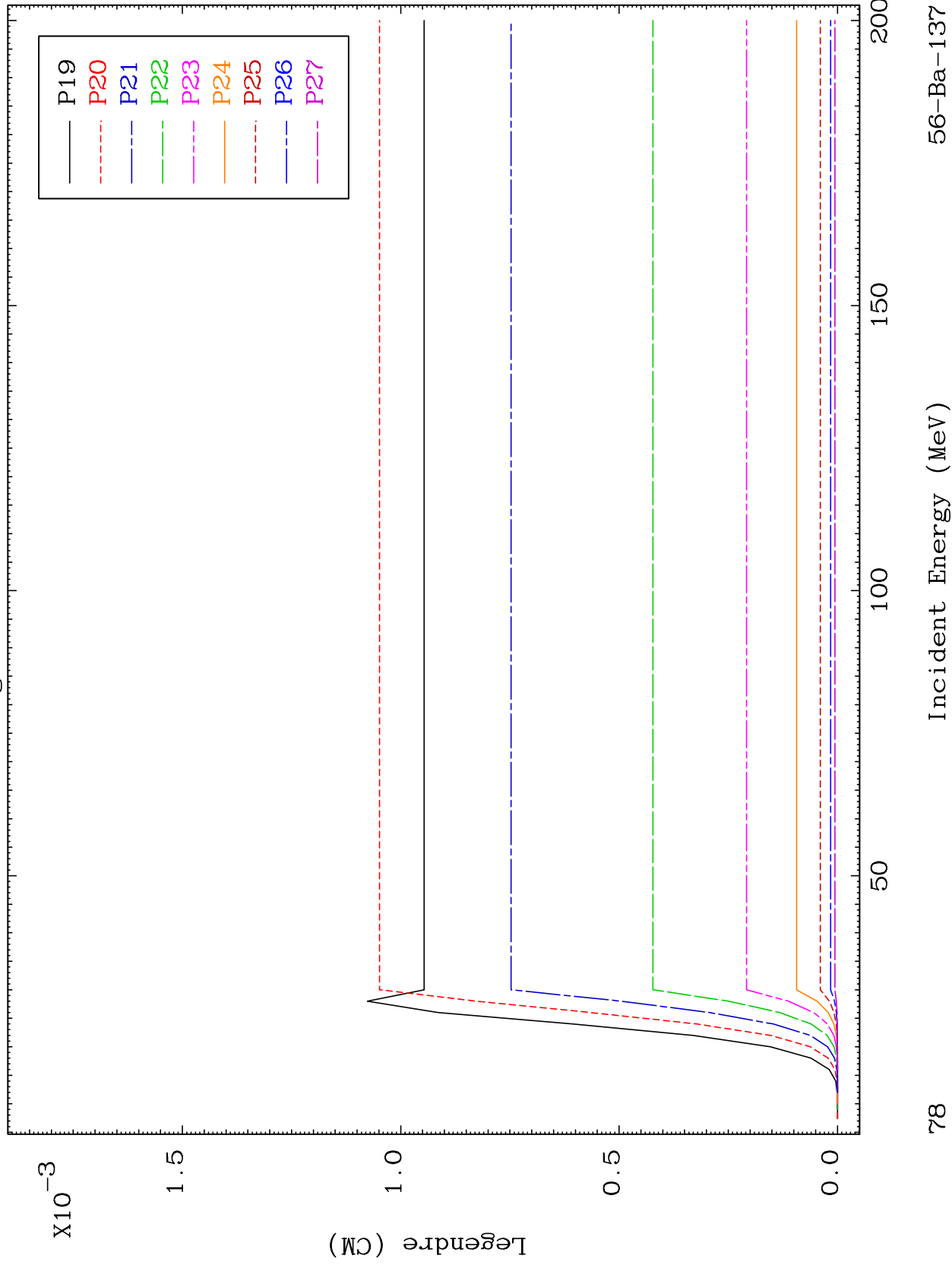
56-Ba-137



MAT 5646

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

56-Ba-137



78

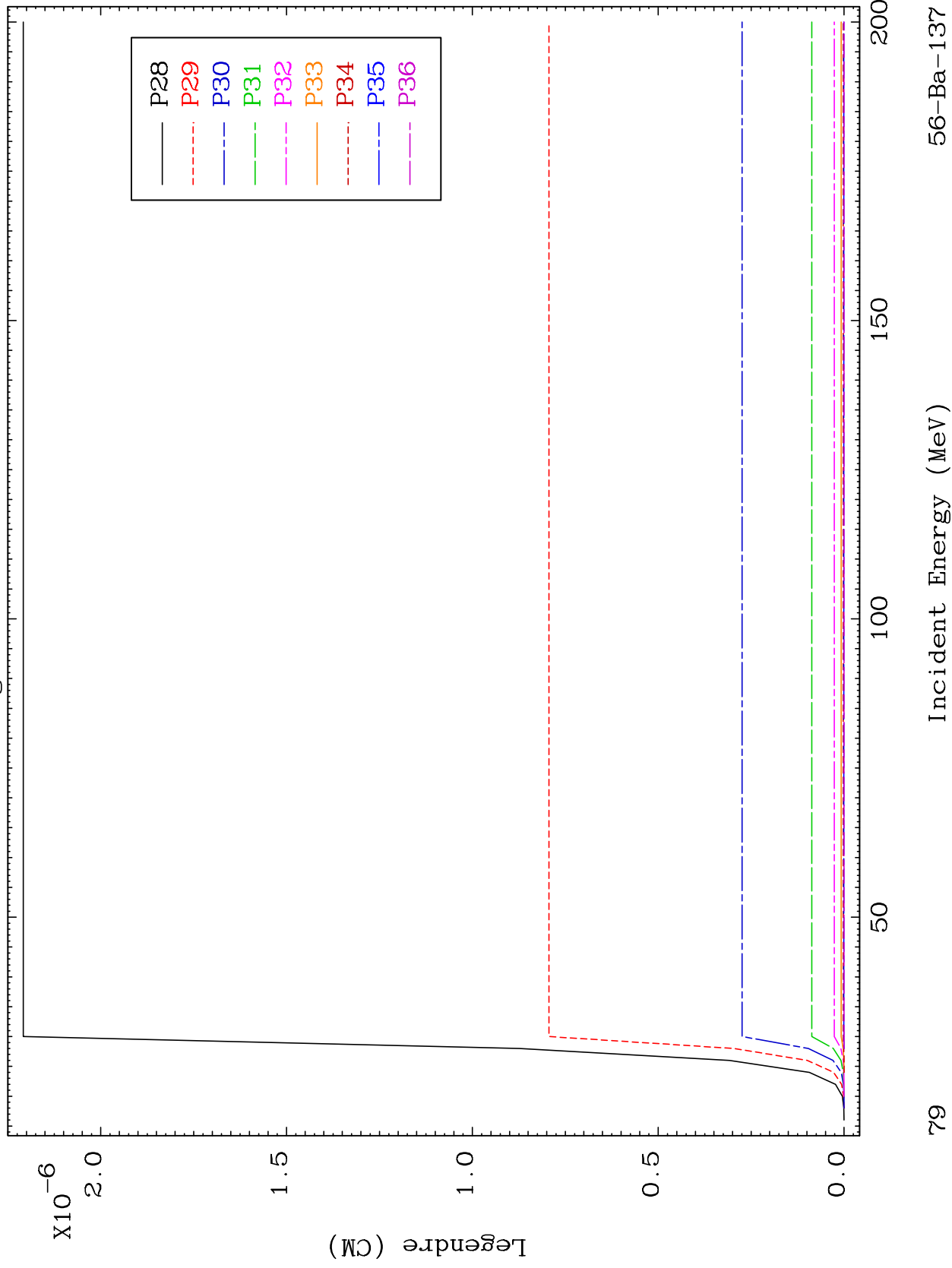
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



79

Incident Energy (MeV)

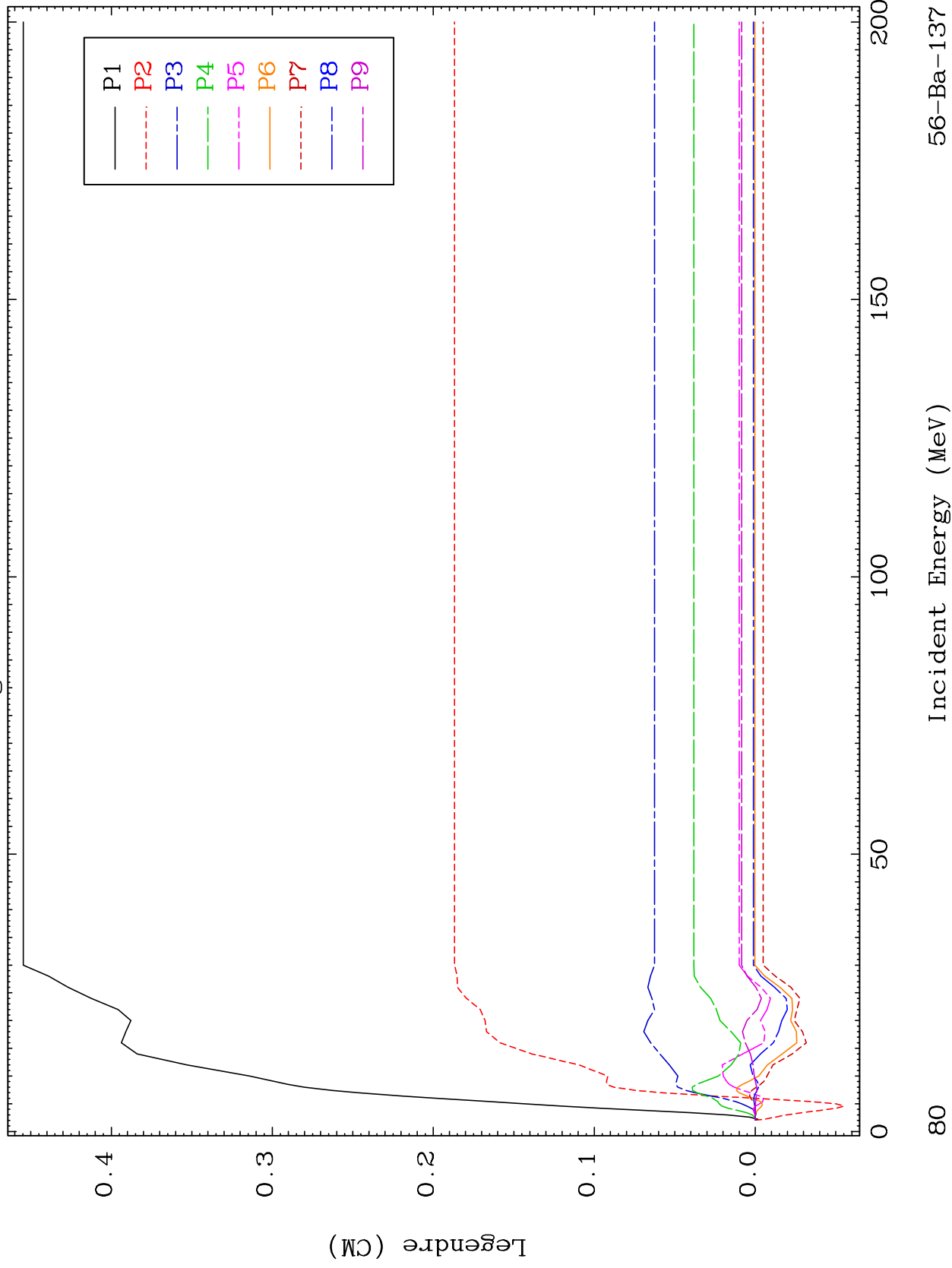
56-Ba-137



MAT 5646

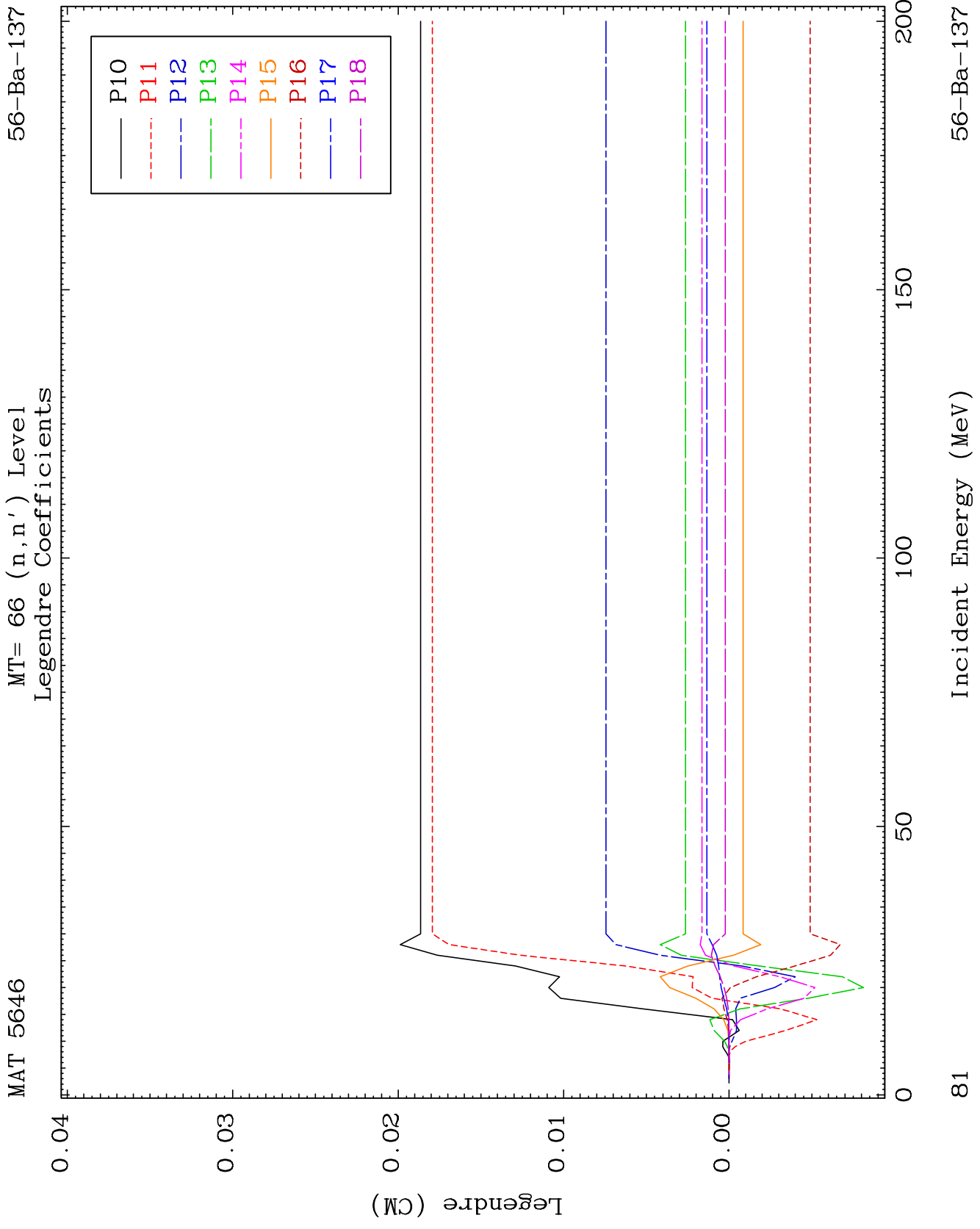
MT= 66 (n,n') Level  
Legendre Coefficients

56-Ba-137



56-Ba-137

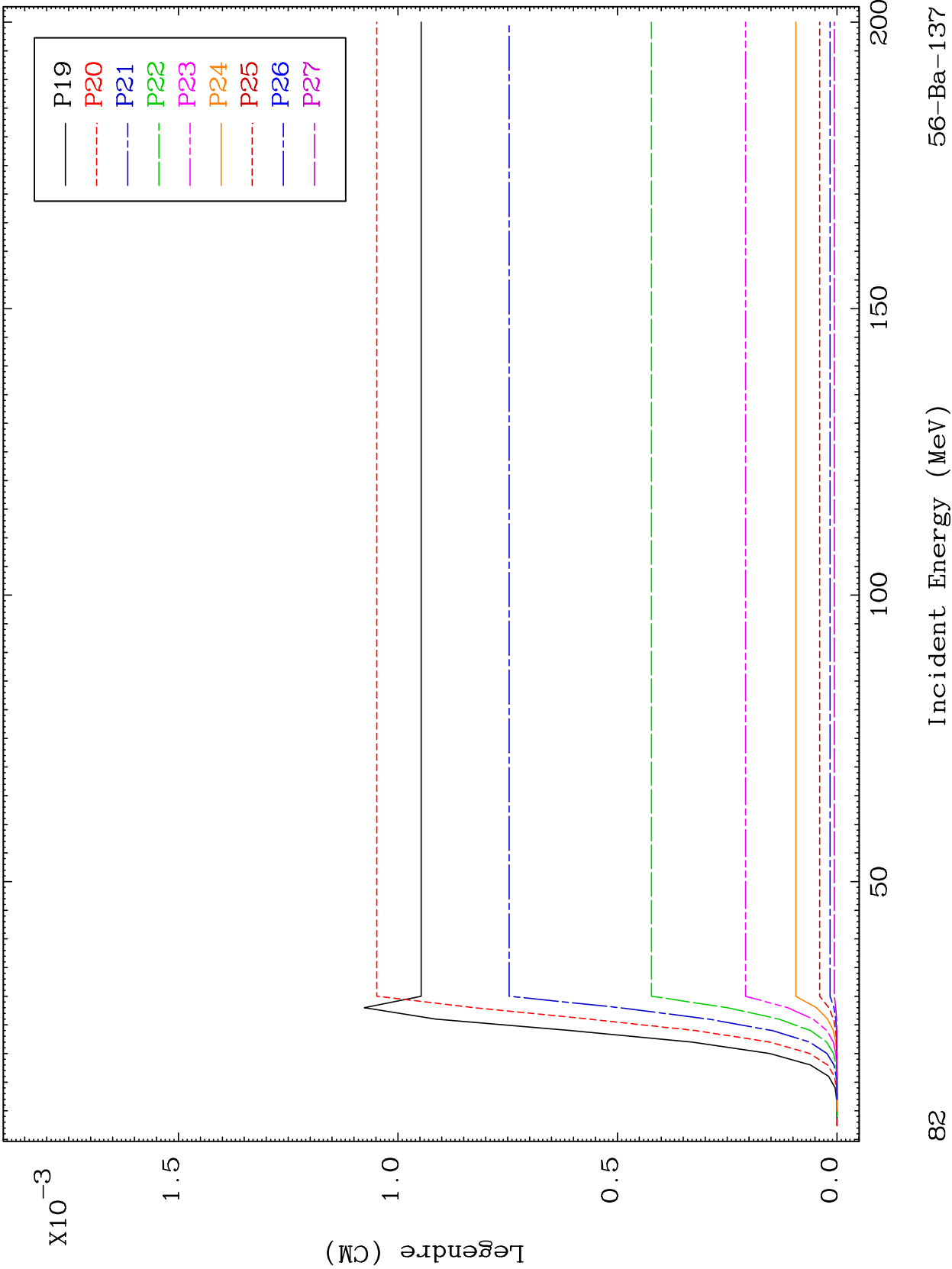
Incident Energy (MeV)



MAT 5646

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

56-Ba-137



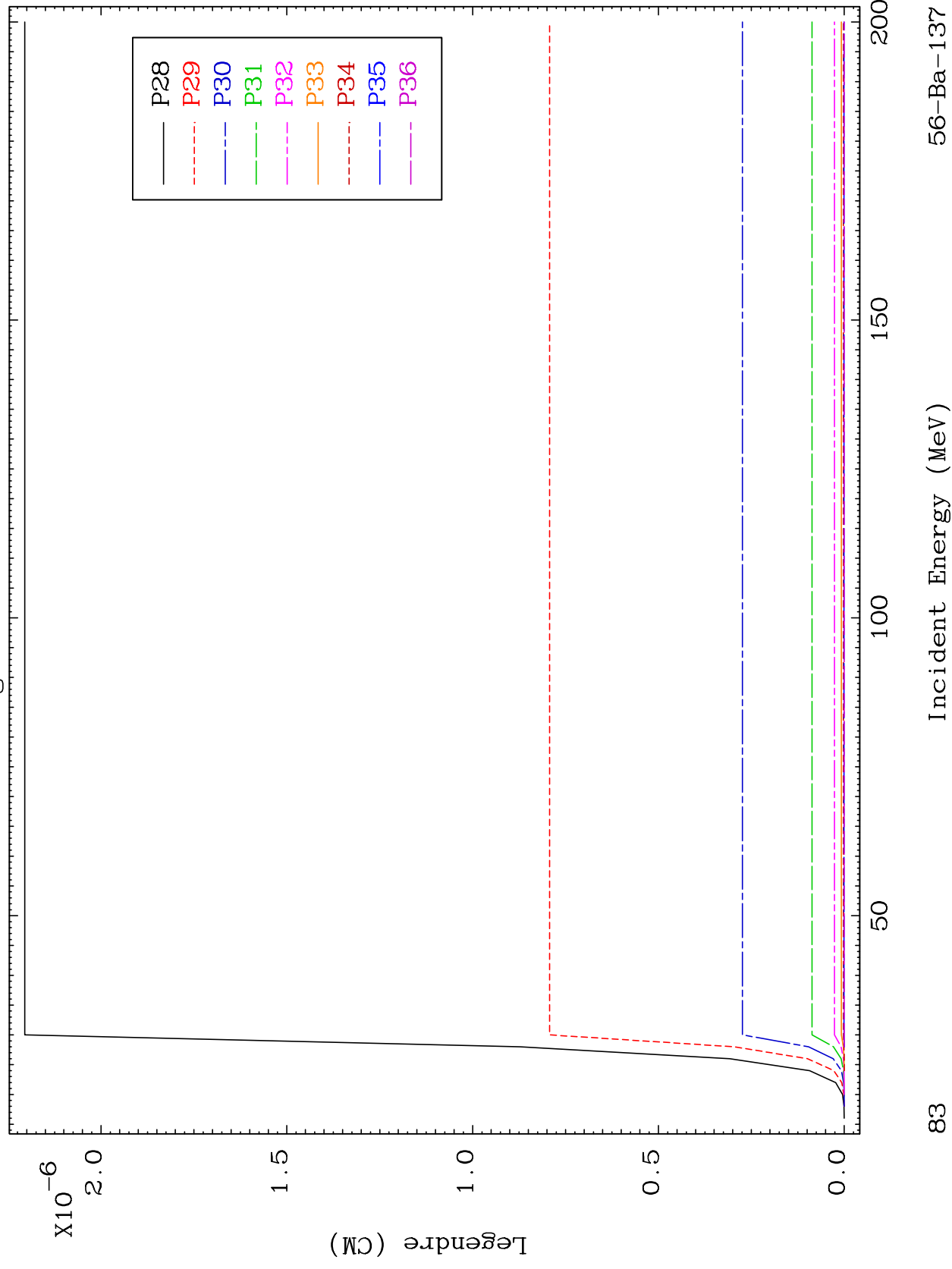
82

56-Ba-137

MAT 5646

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

56-Ba-137



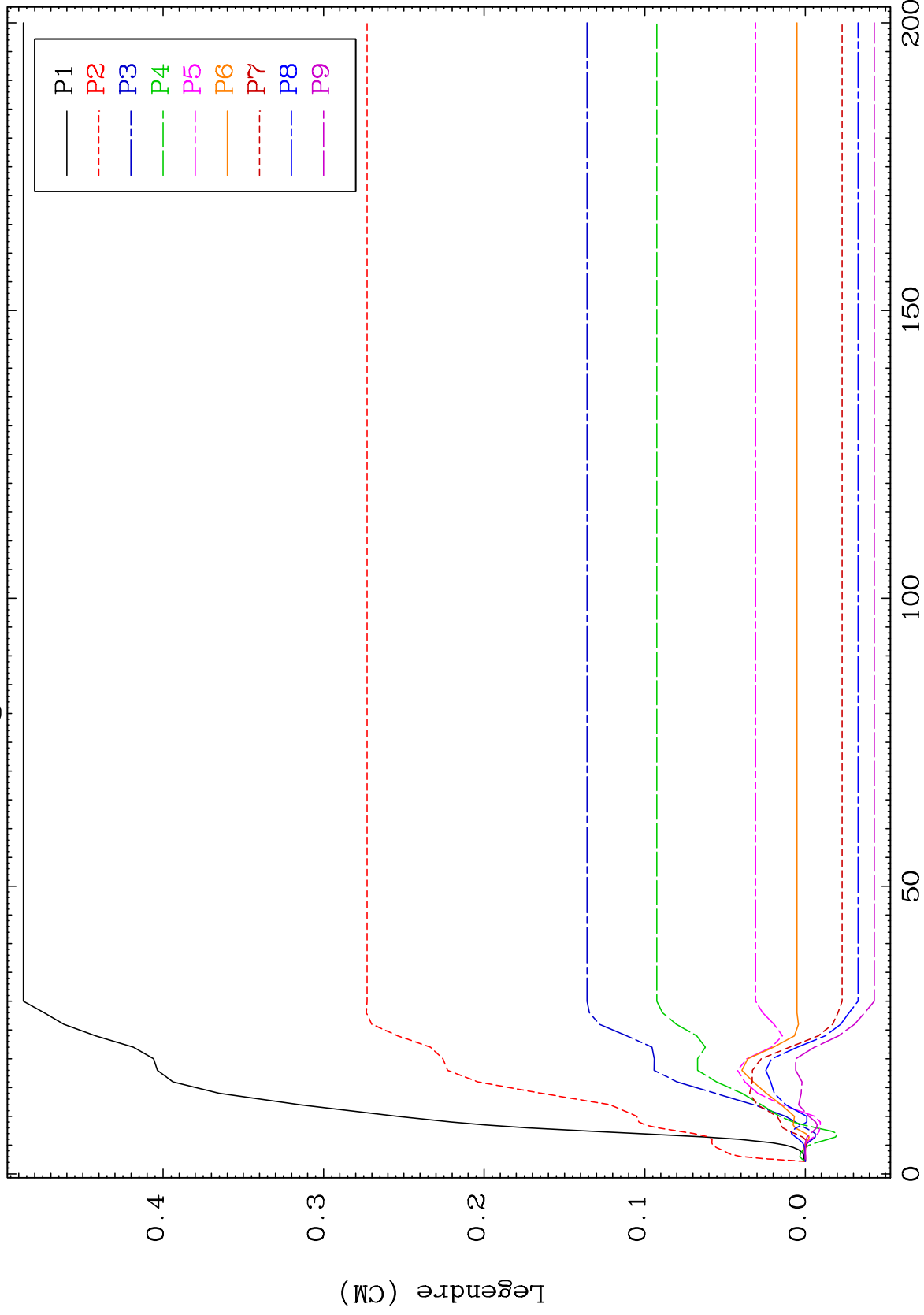
83

56-Ba-137

MAT 5646

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

56-Ba-137



84

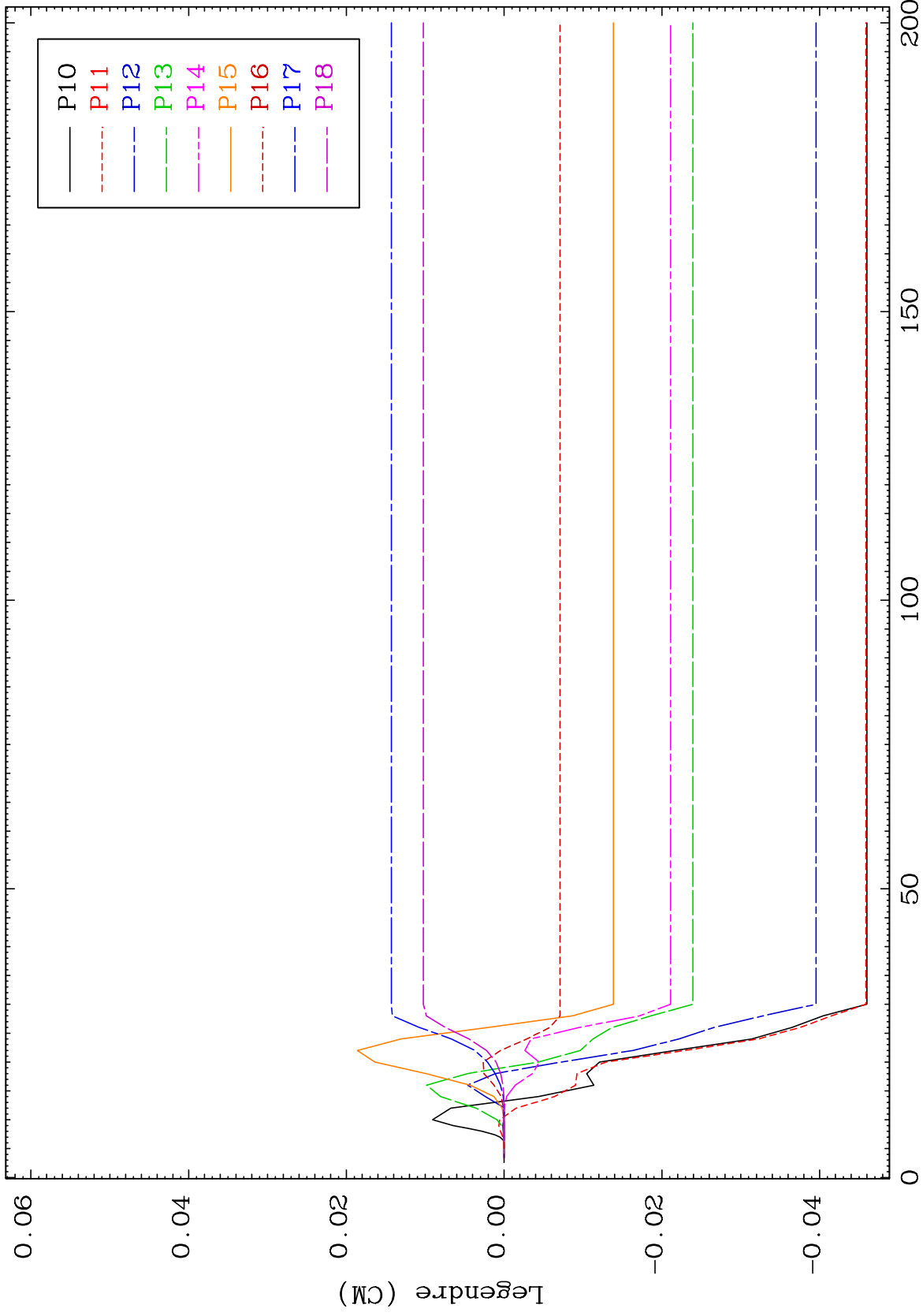
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



85

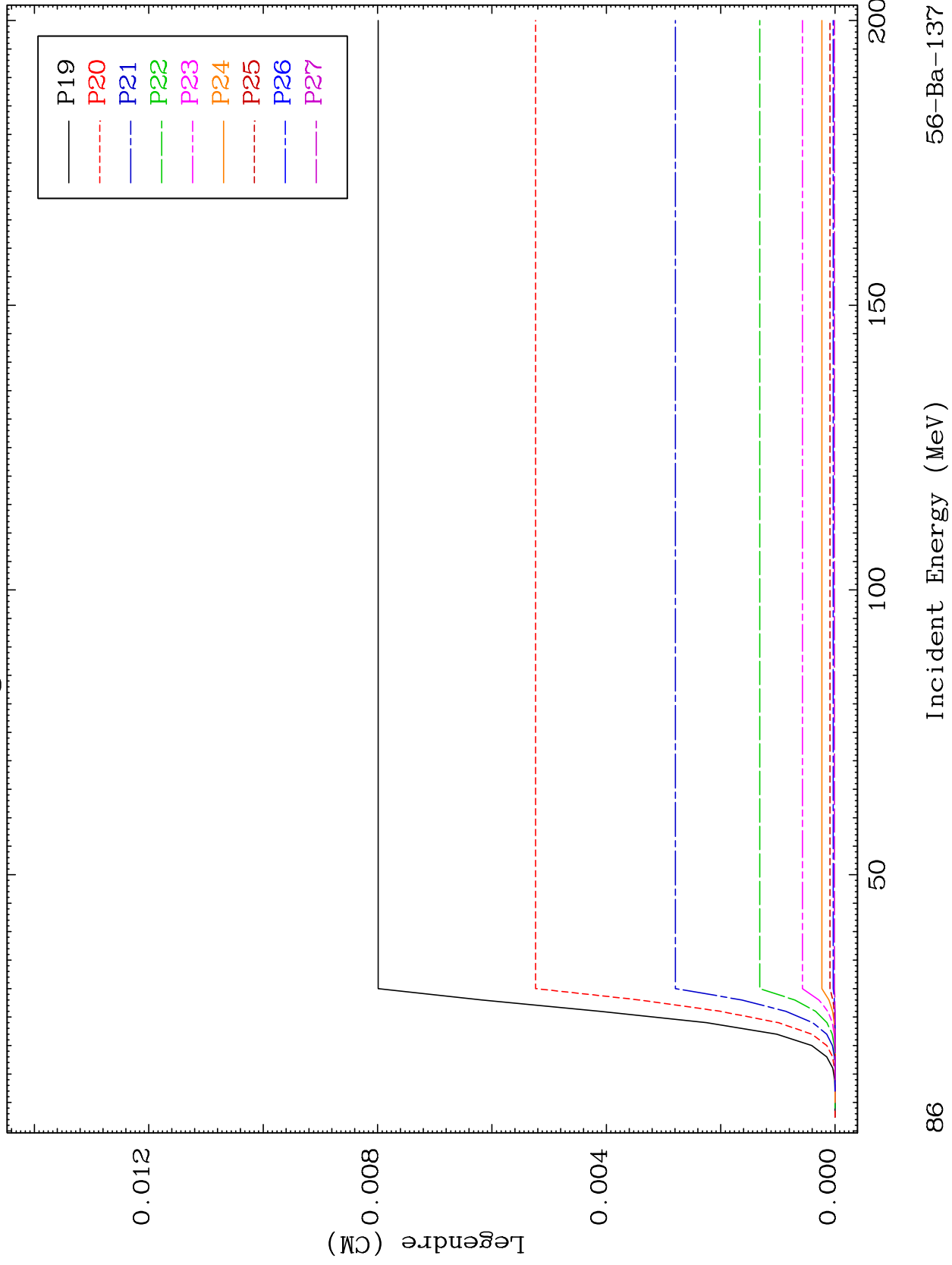
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



86

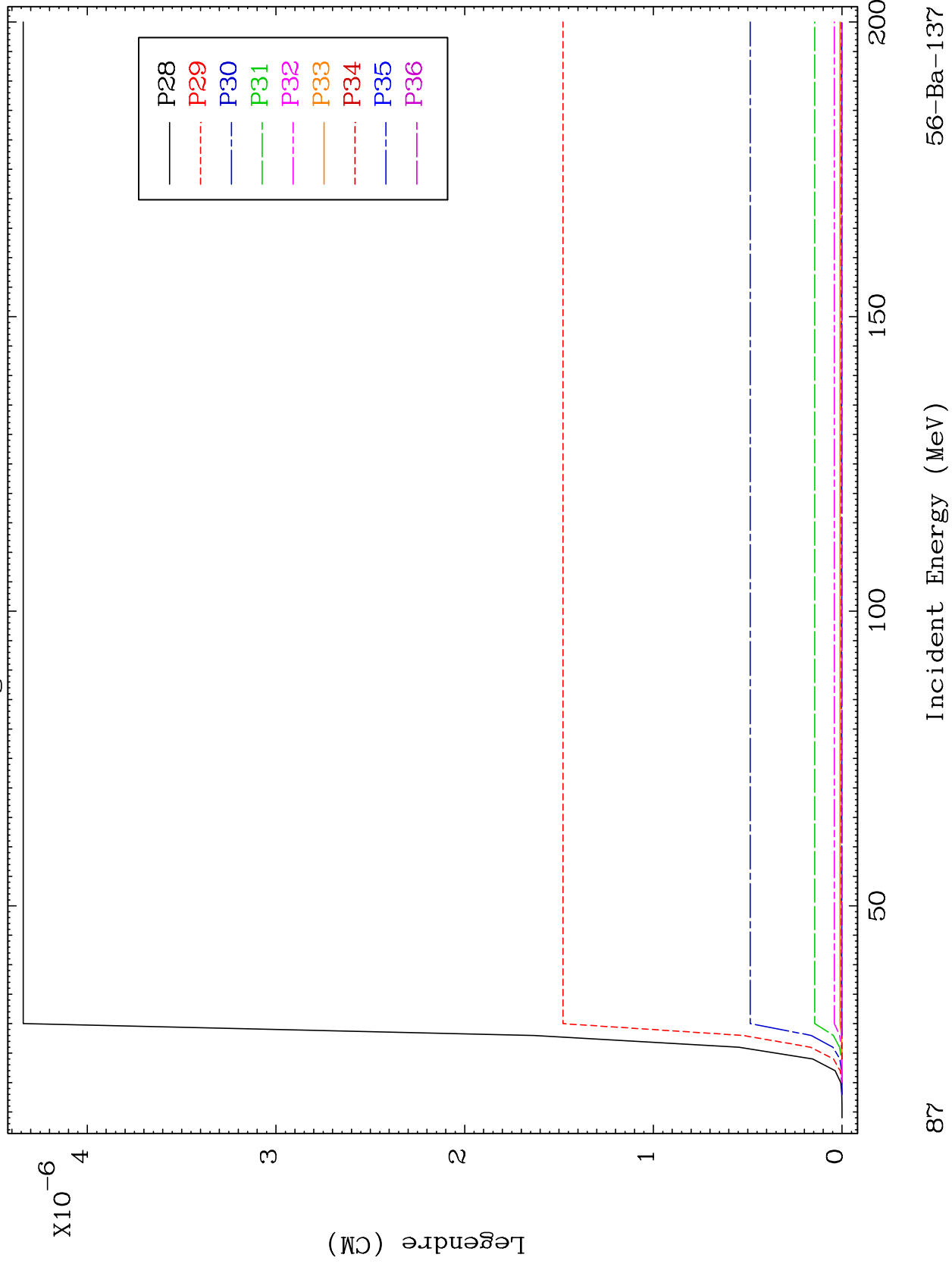
Incident Energy (MeV)

56-Ba-137

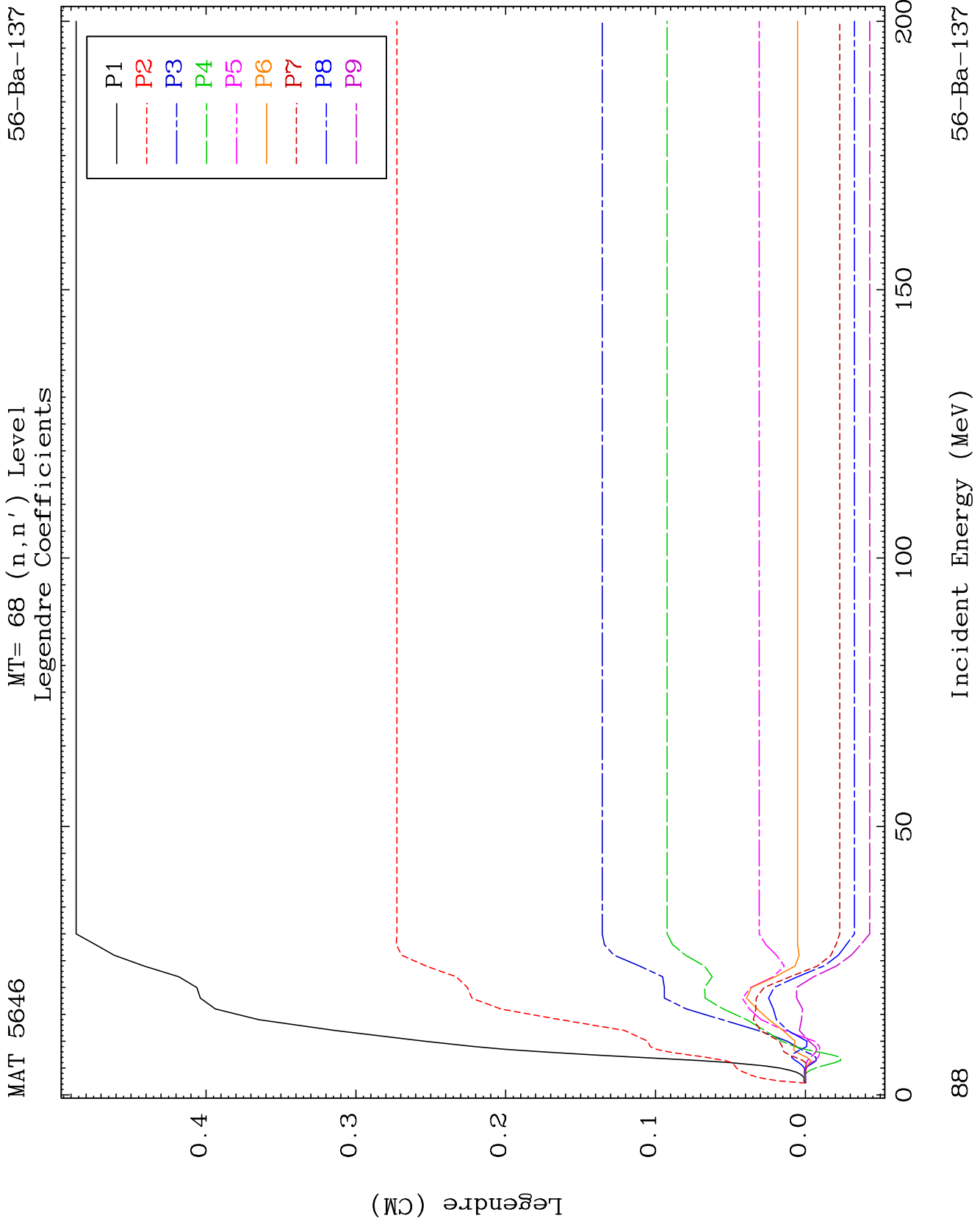
MAT 5646

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

56-Ba-137



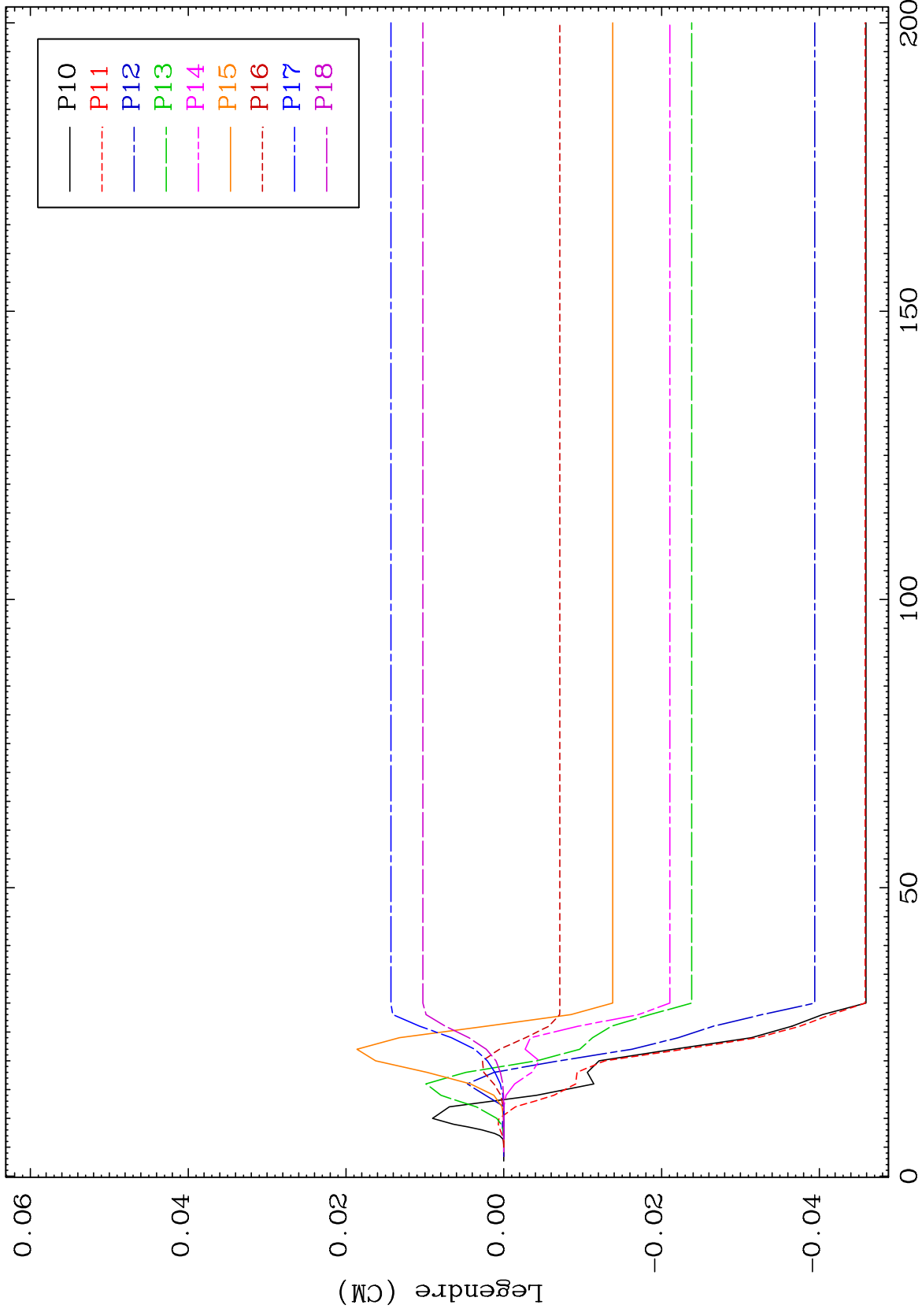




MAT 5646

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

56-Ba-137



89

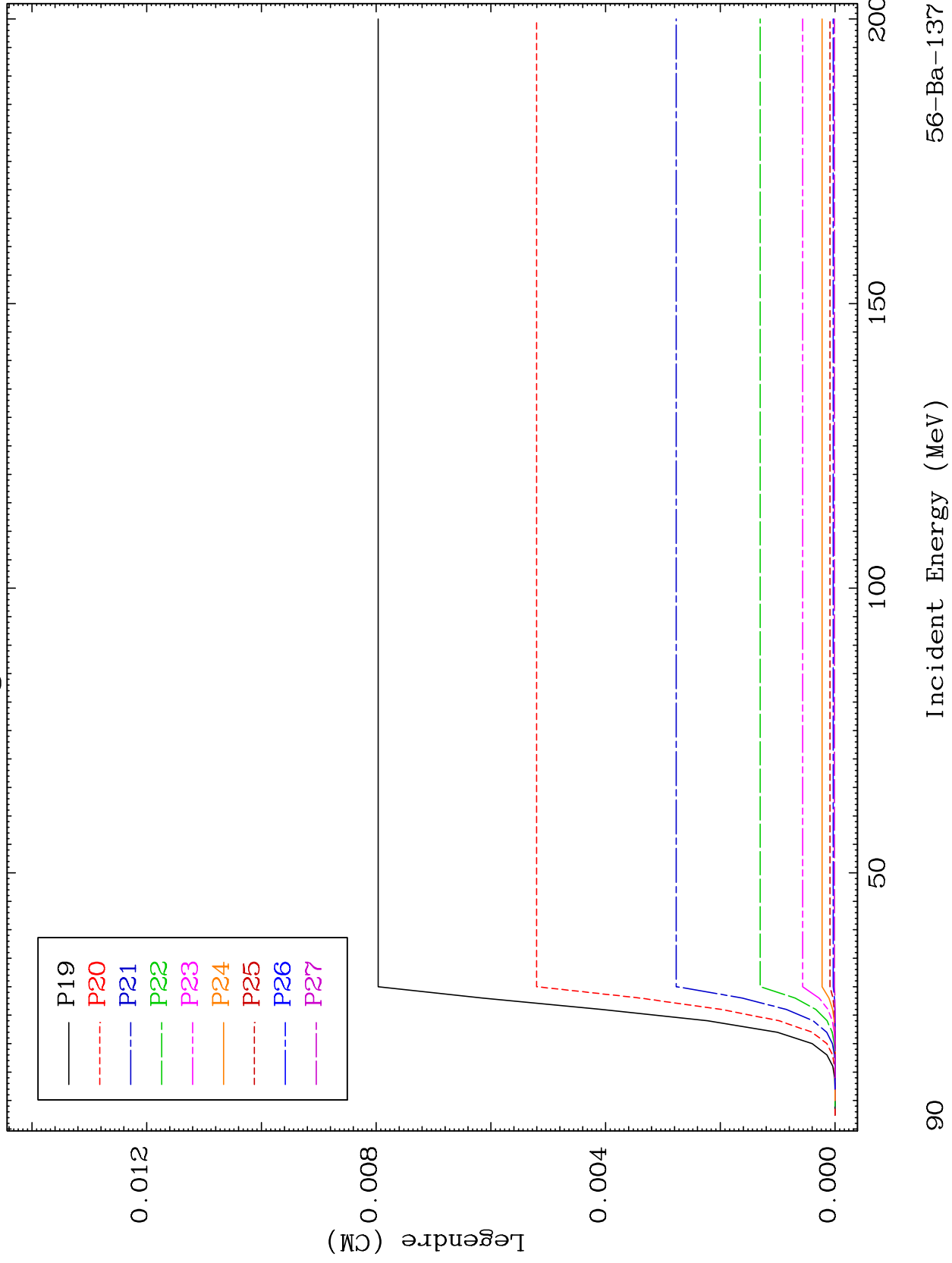
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



90

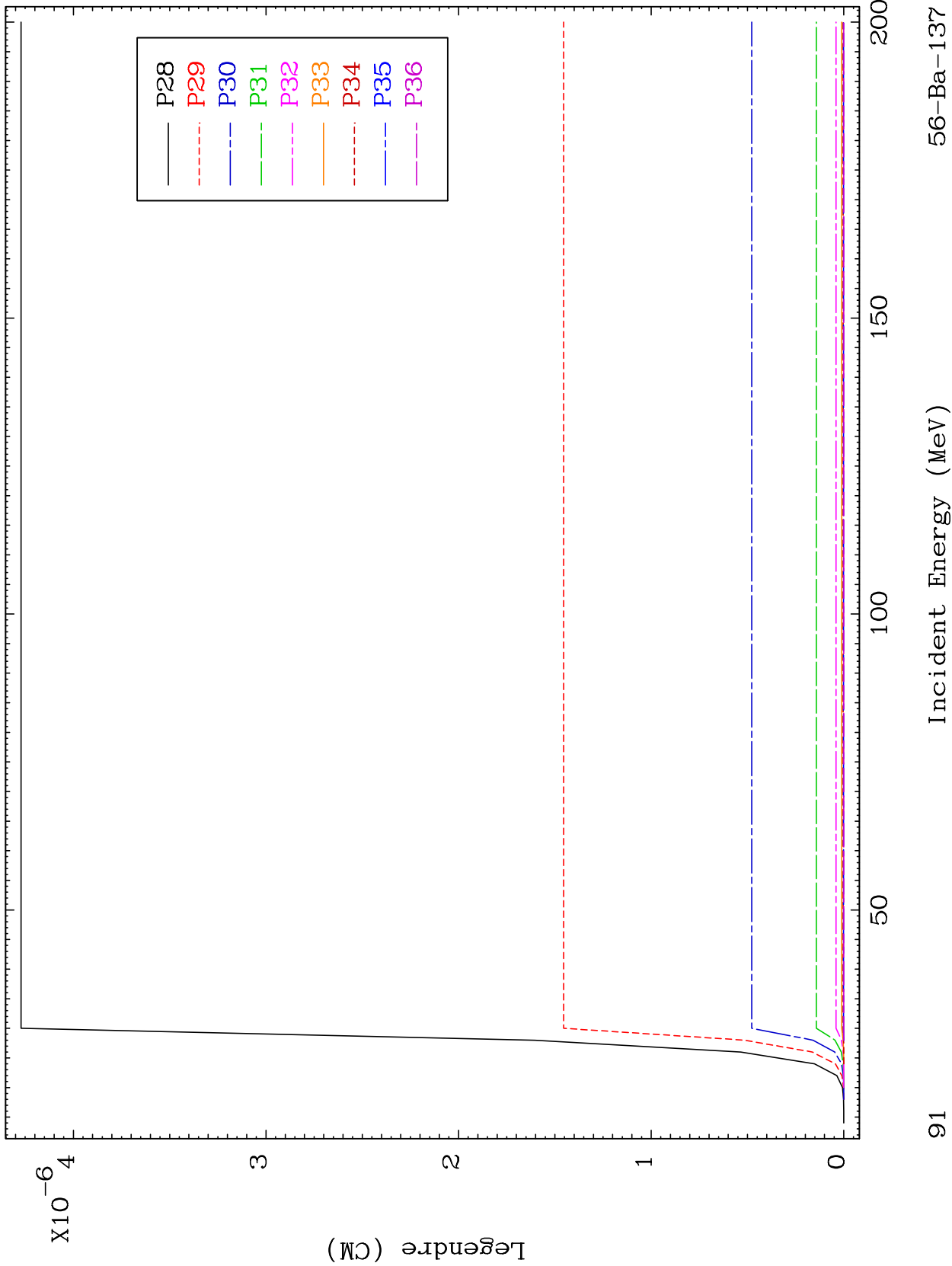
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

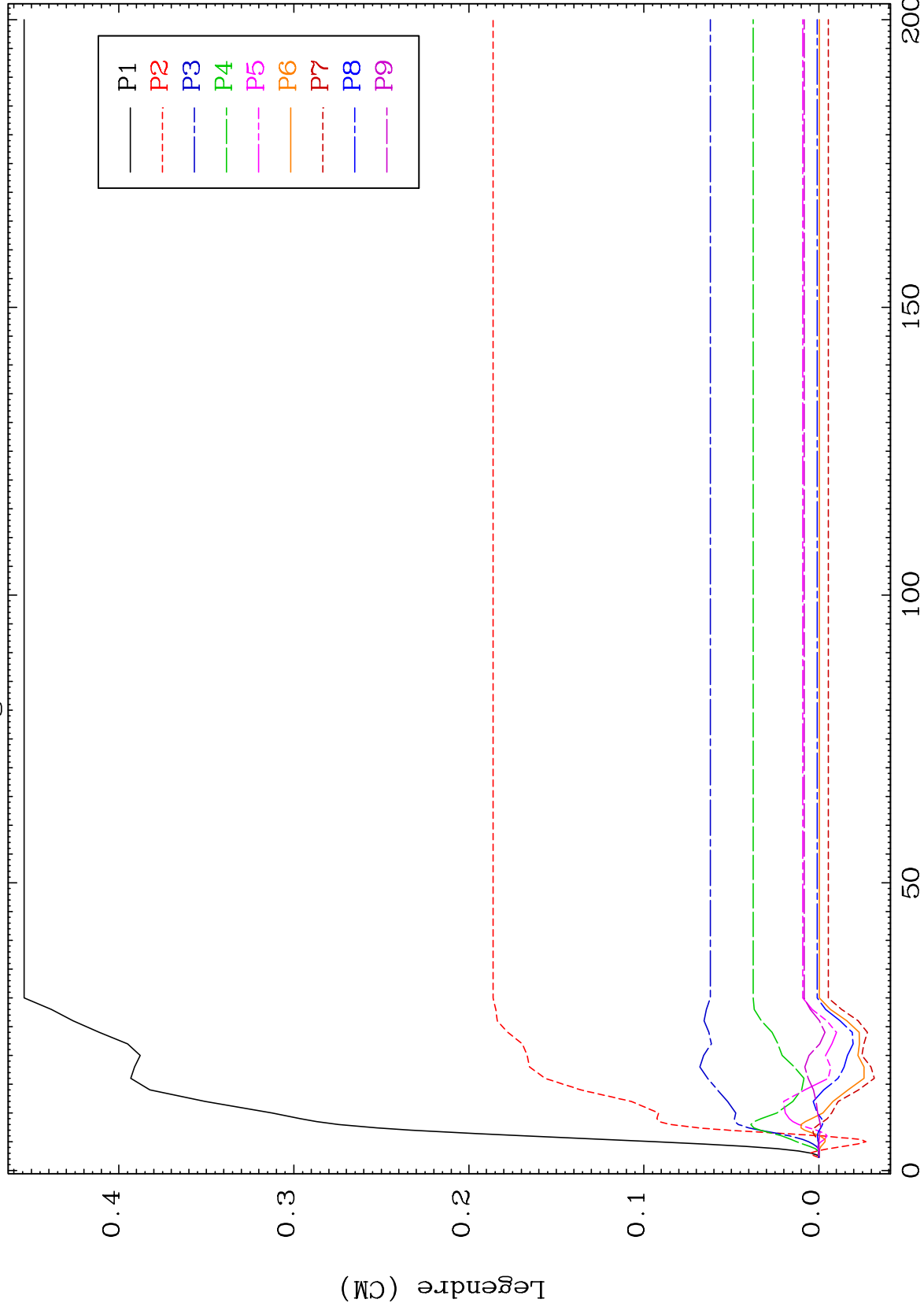
56-Ba-137



MAT 5646

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

56-Ba-137



56-Ba-137

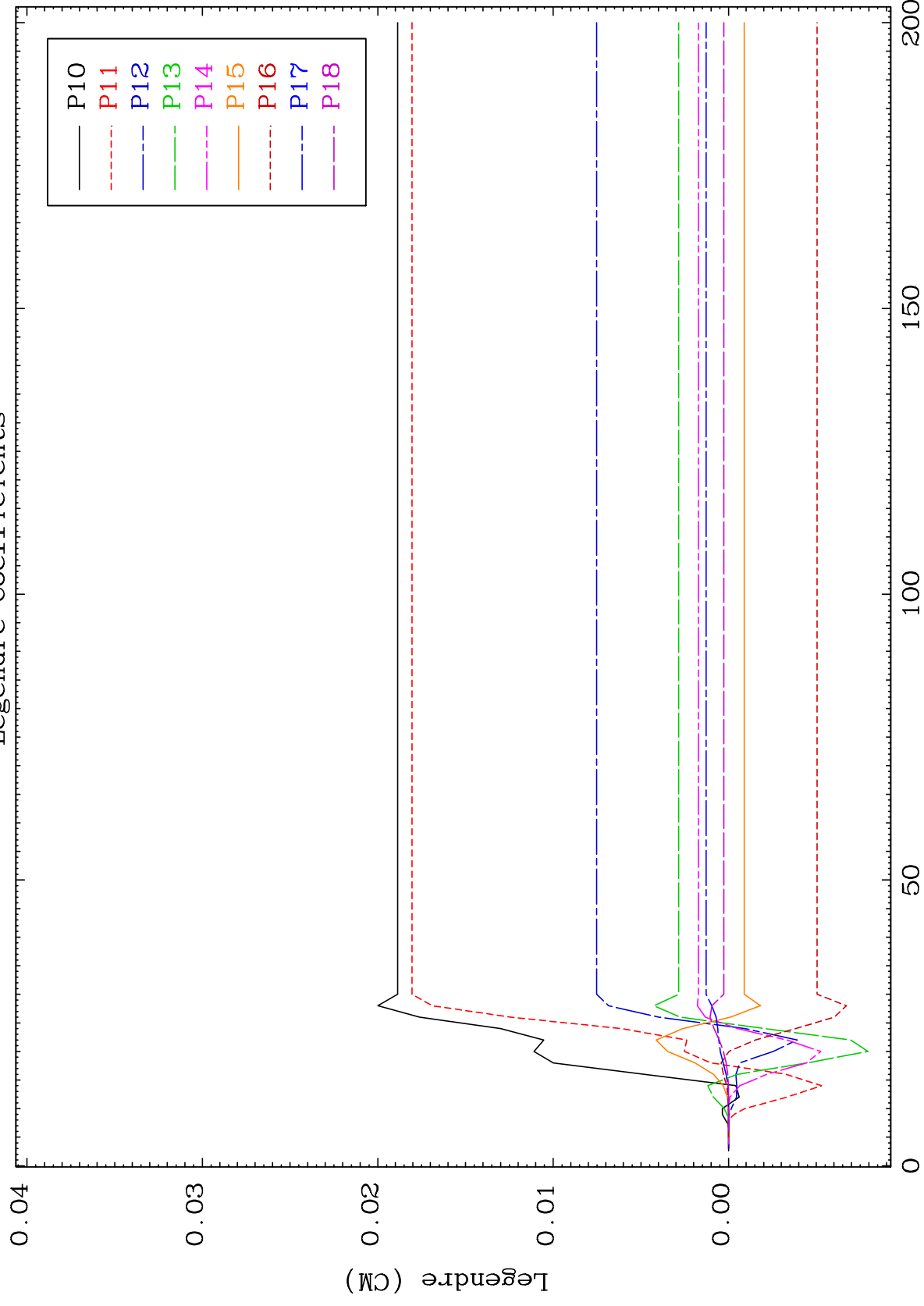
Incident Energy (MeV)

92

MAT 5646

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

56-Ba-137



93

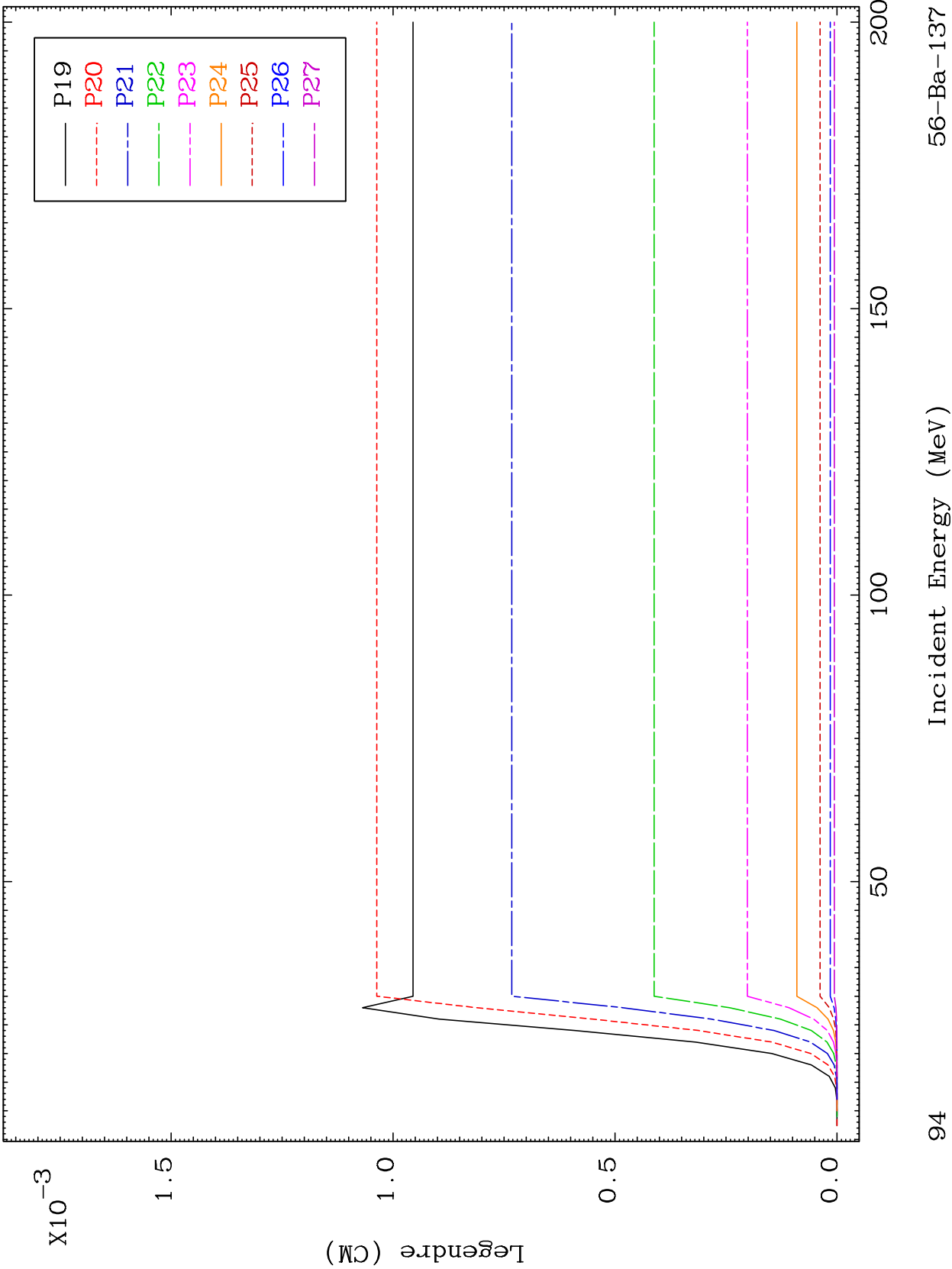
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



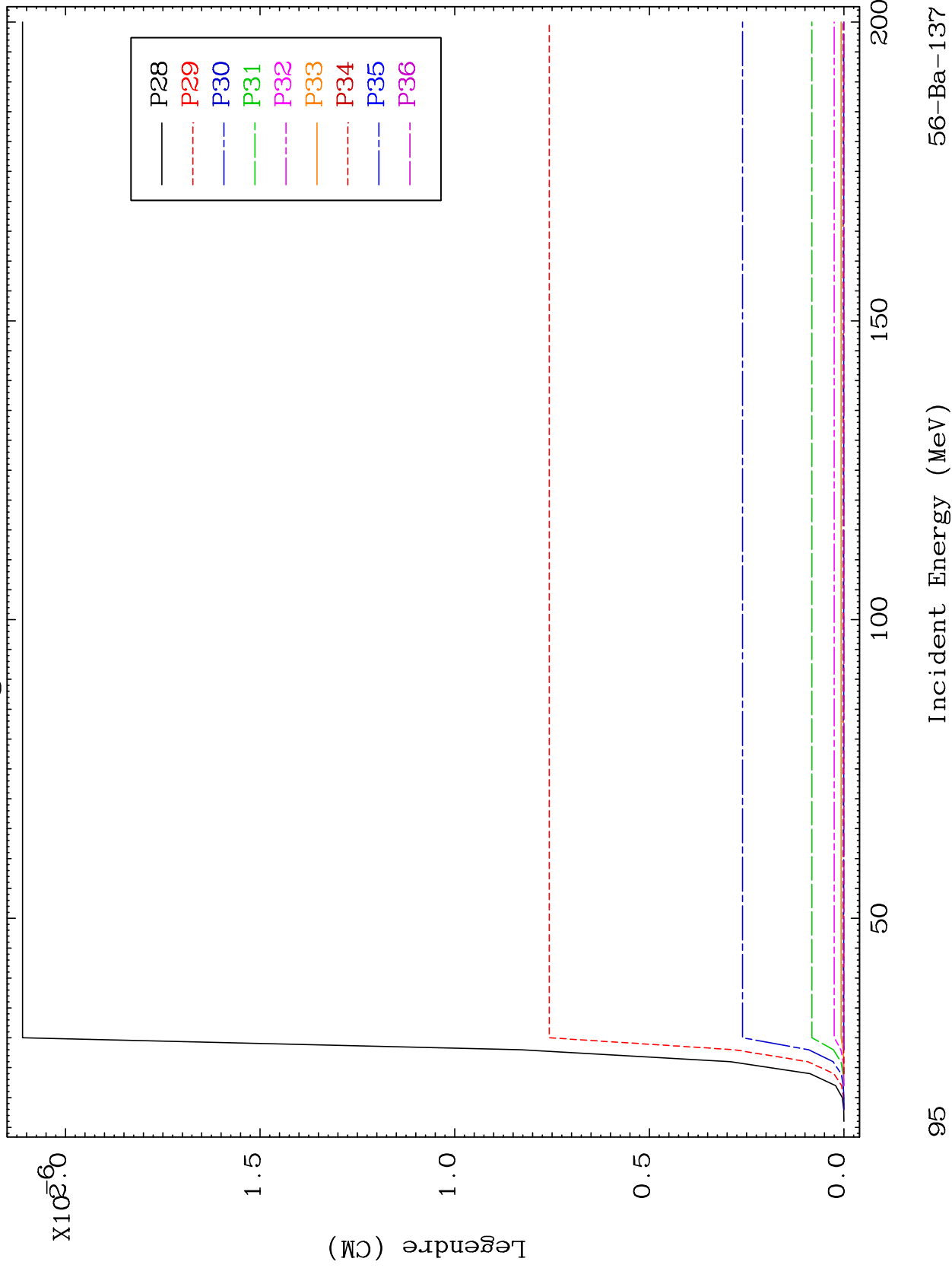
94

56-Ba-137

MAT 5646

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

56-Ba-137



95

Incident Energy (MeV)

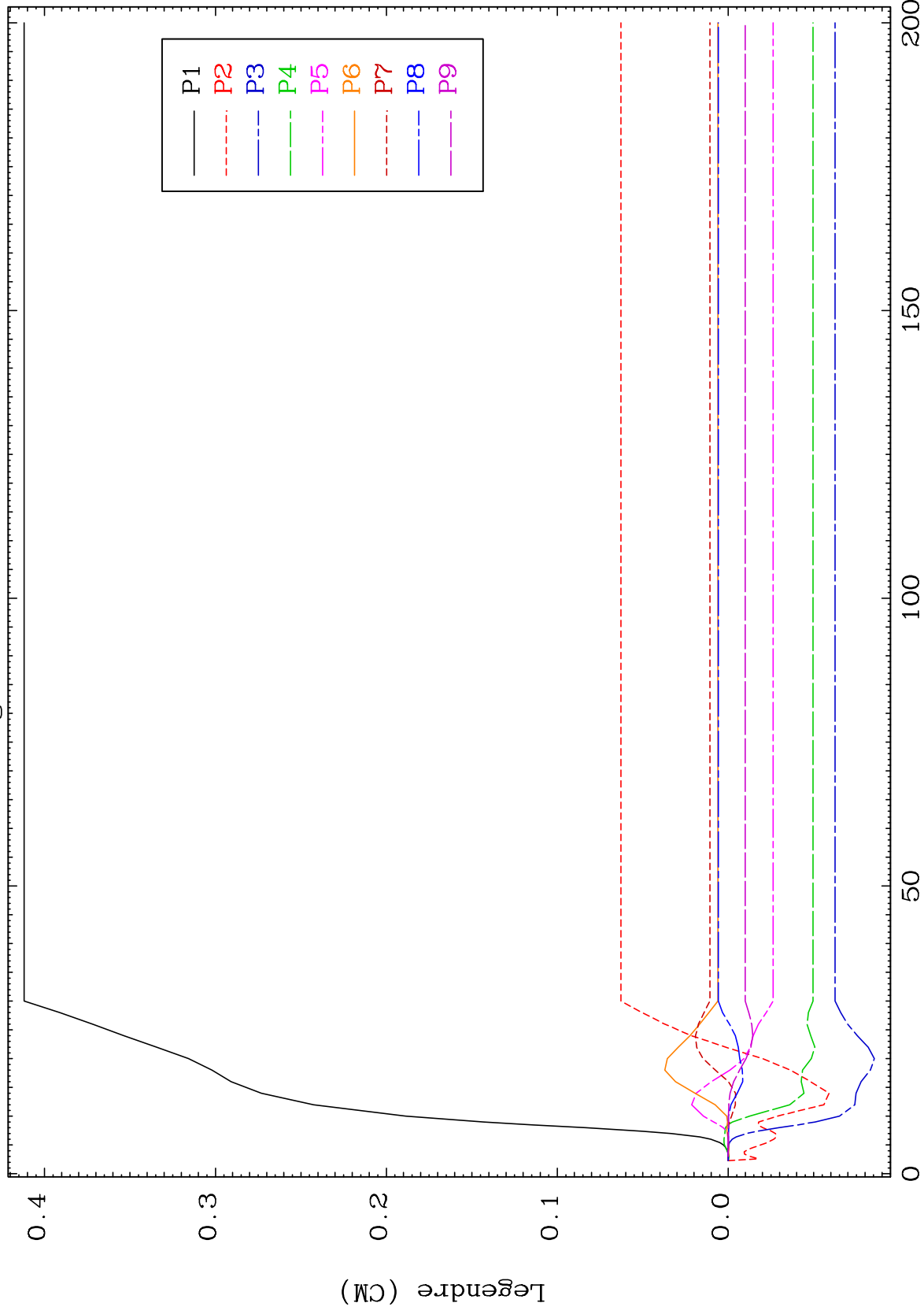
56-Ba-137



MAT 5646

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

56-Ba-137



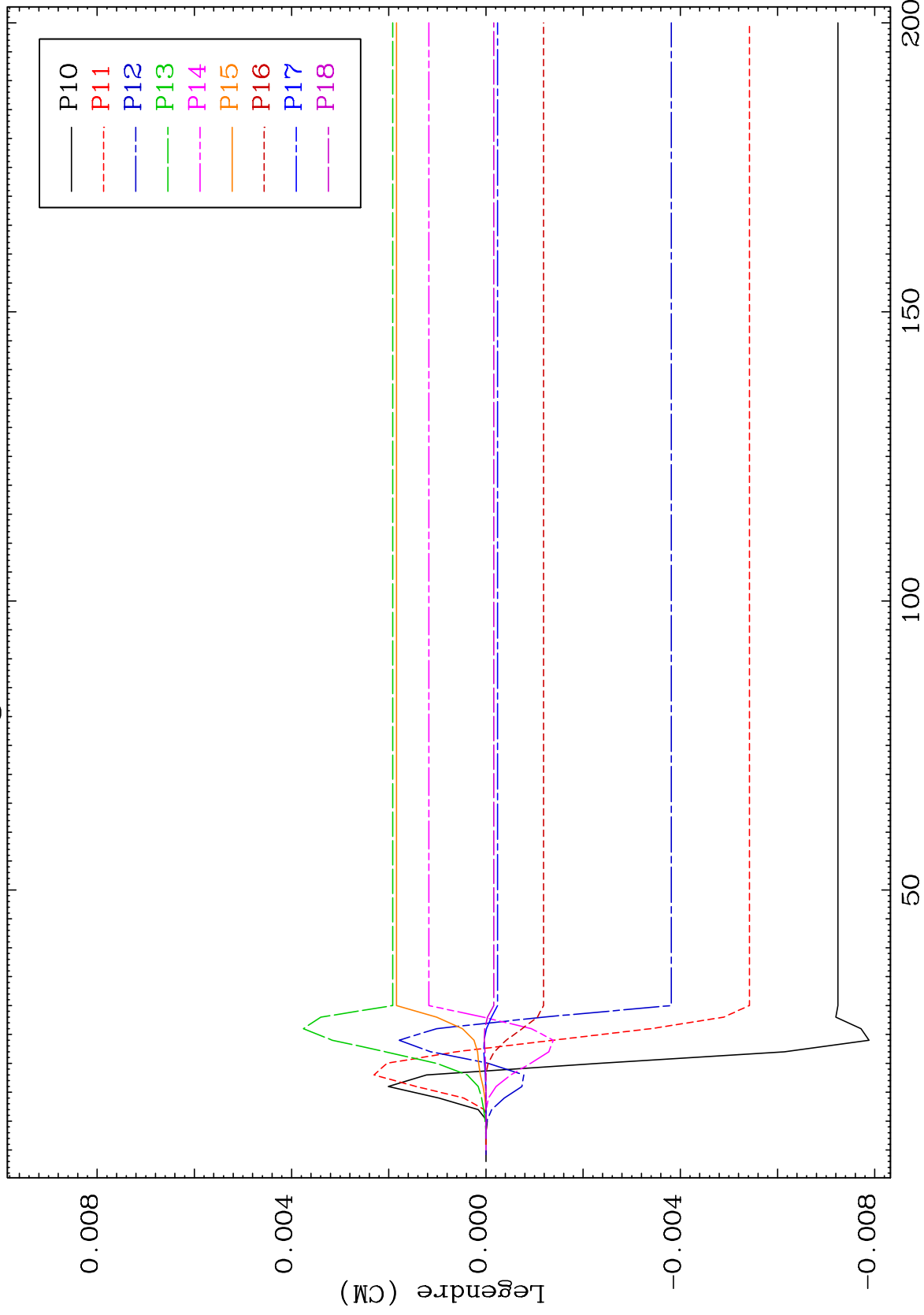
96

56-Ba-137

MAT 5646

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

56-Ba-137



97

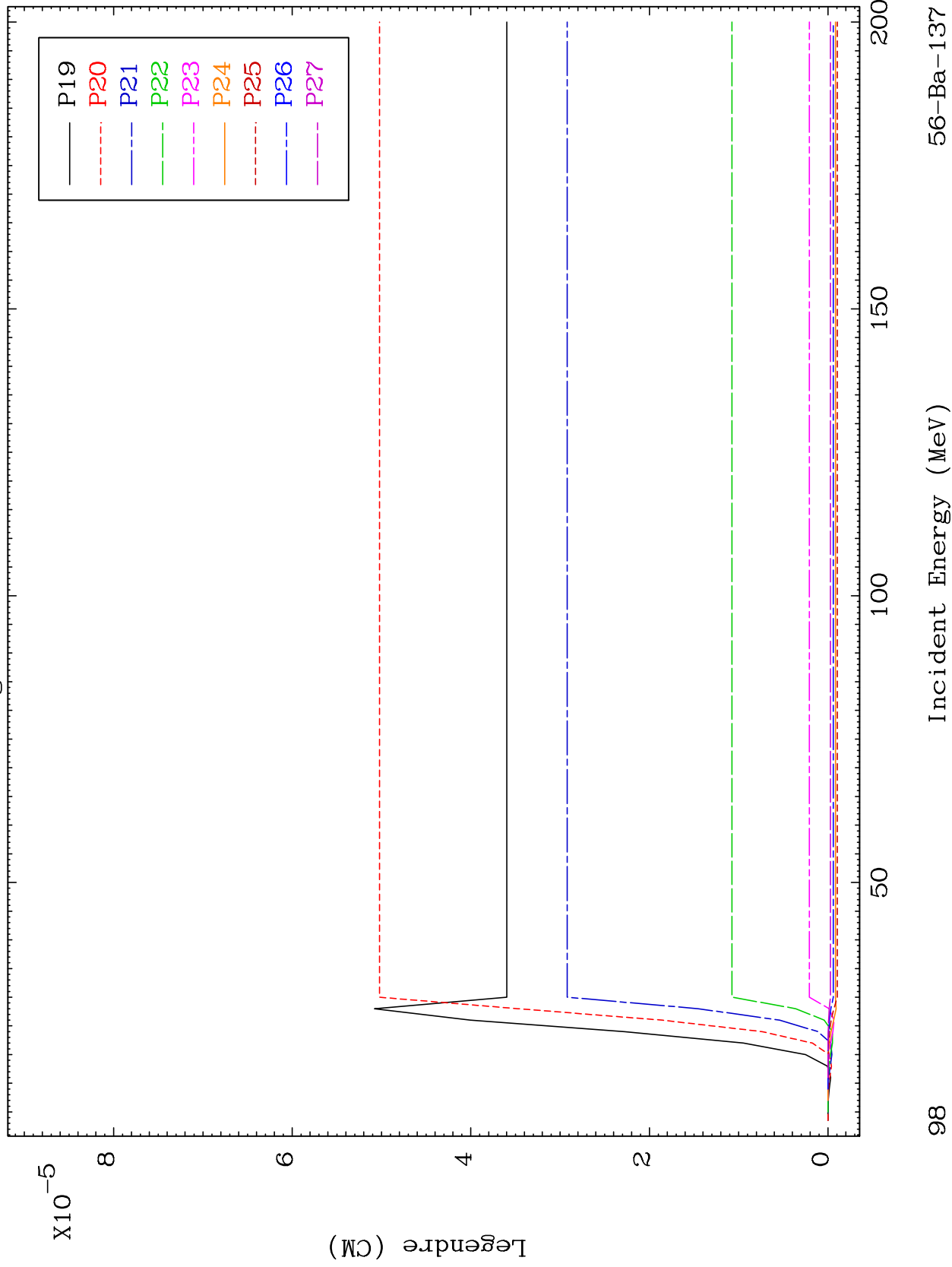
Incident Energy (MeV)

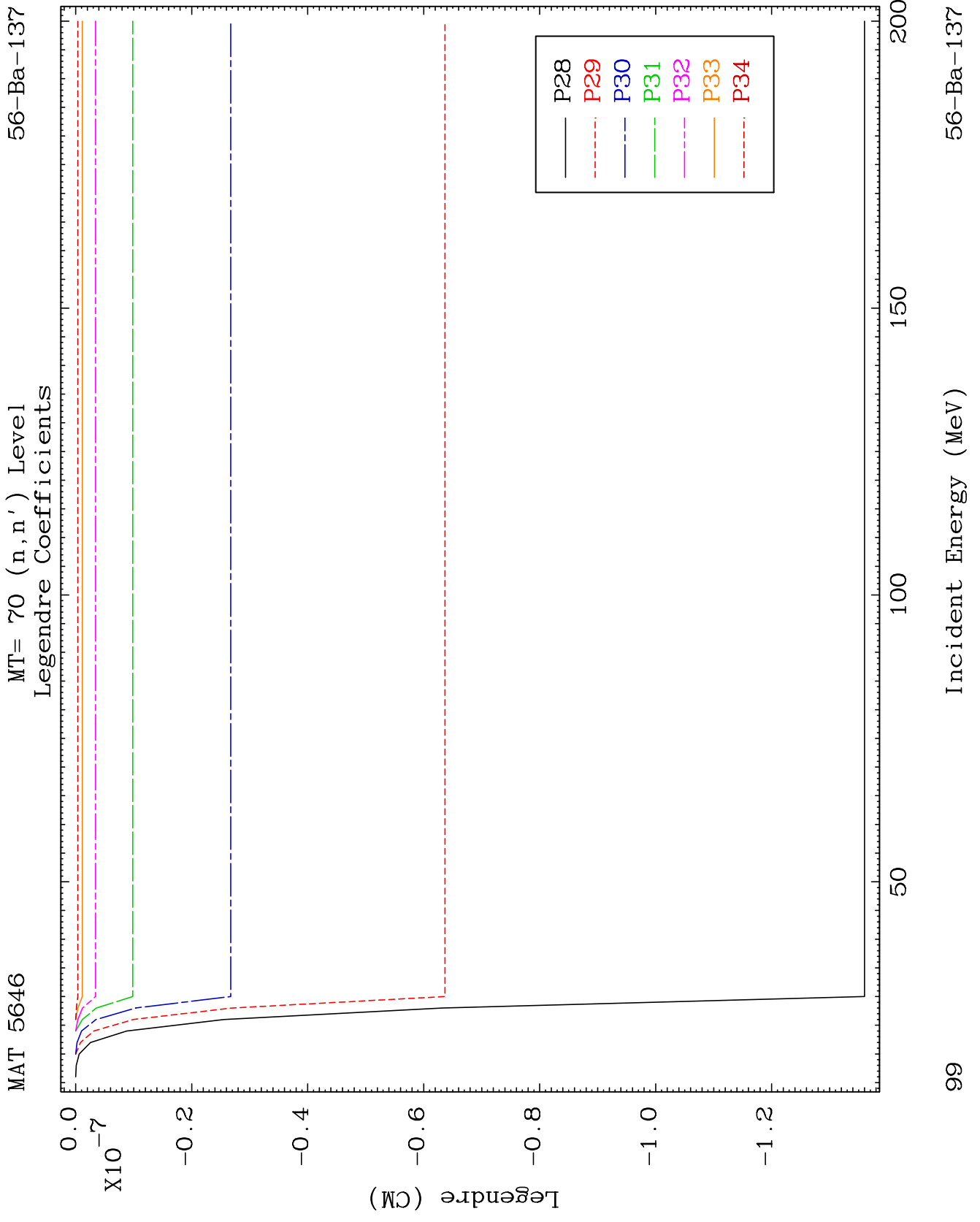
56-Ba-137

MAT 5646

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

56-Ba-137

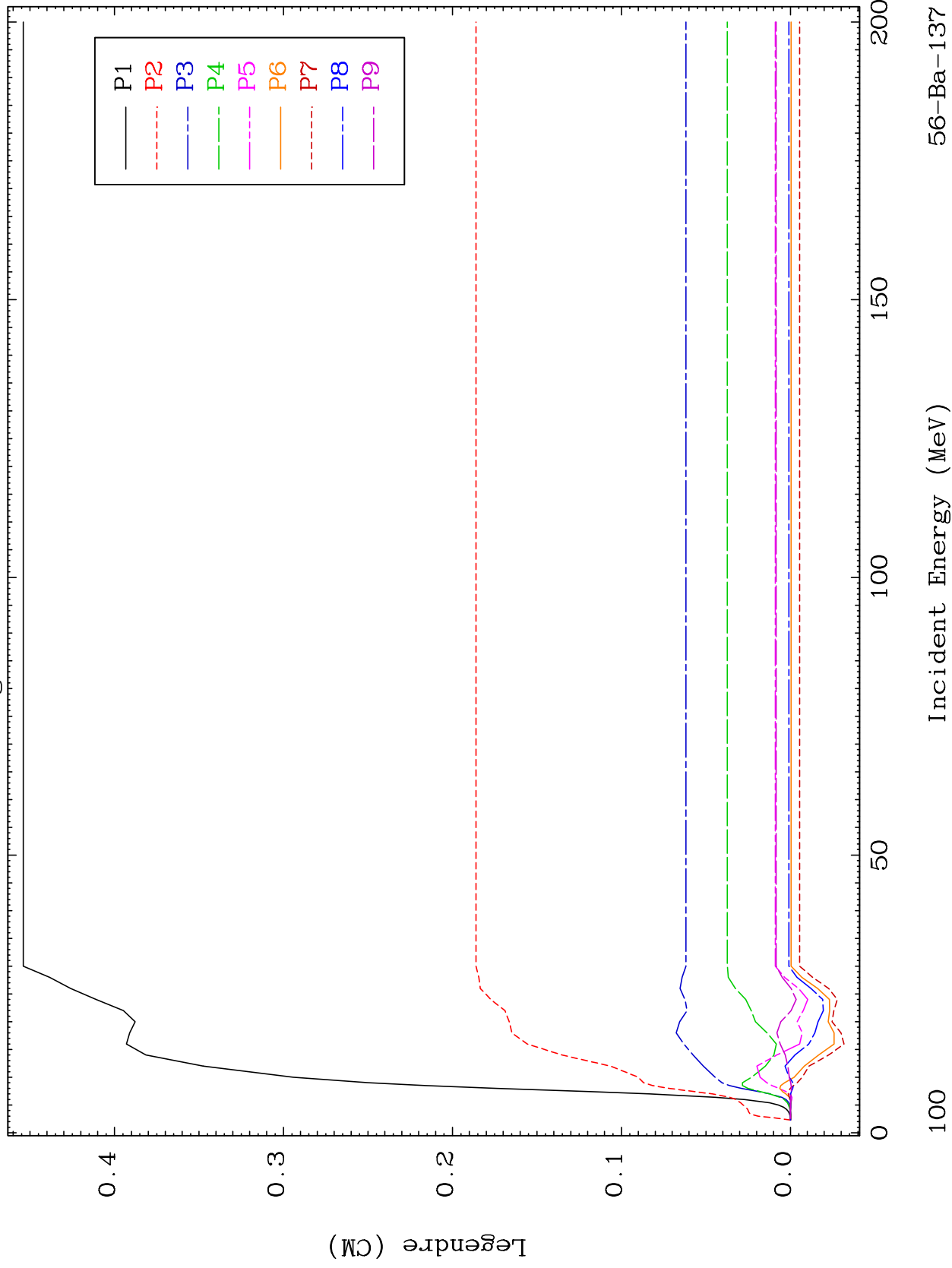




MAT 5646

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

56-Ba-137

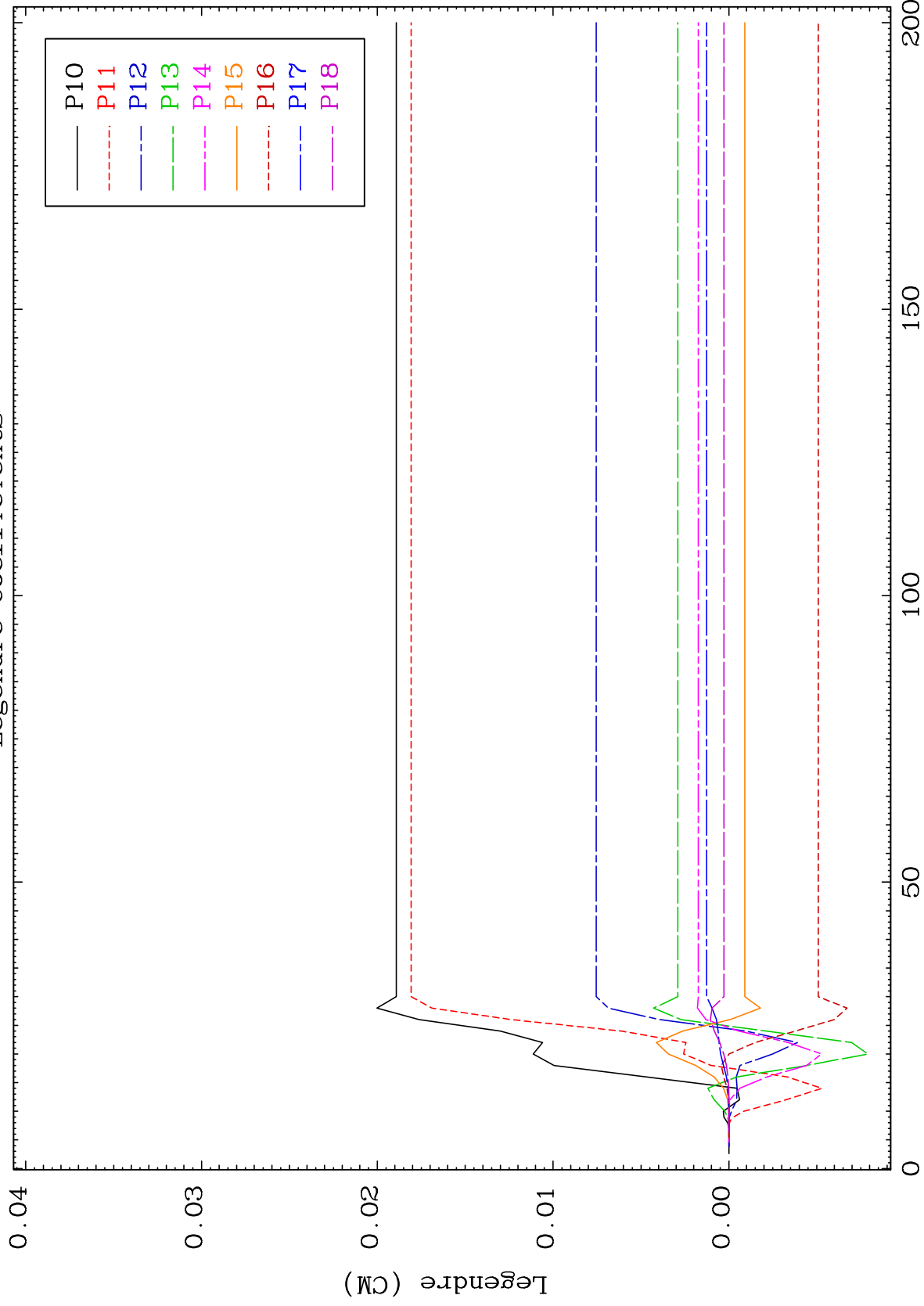


56-Ba-137

MAT 5646

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

56-Ba-137



101

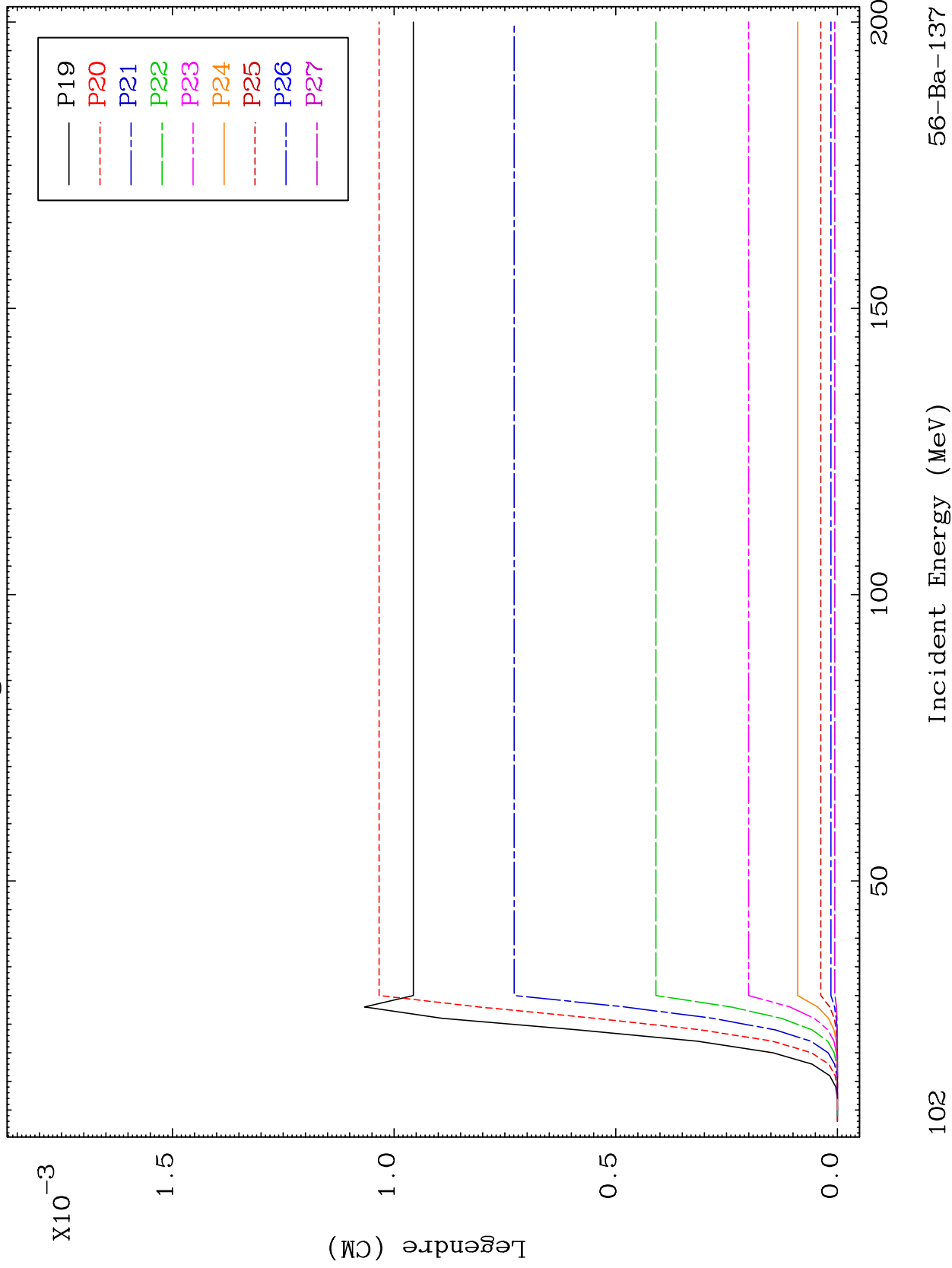
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



102

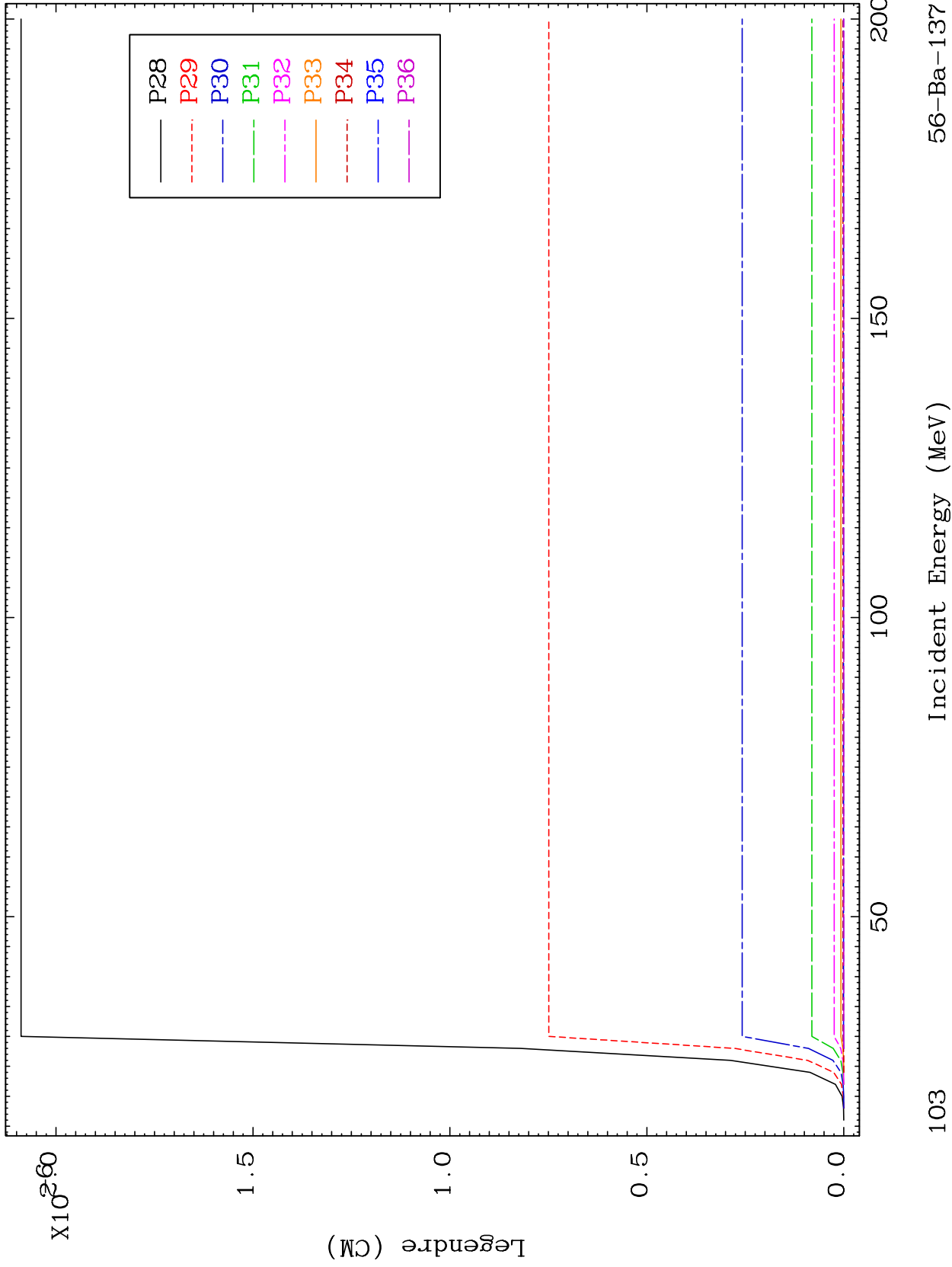
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



103

Incident Energy (MeV)

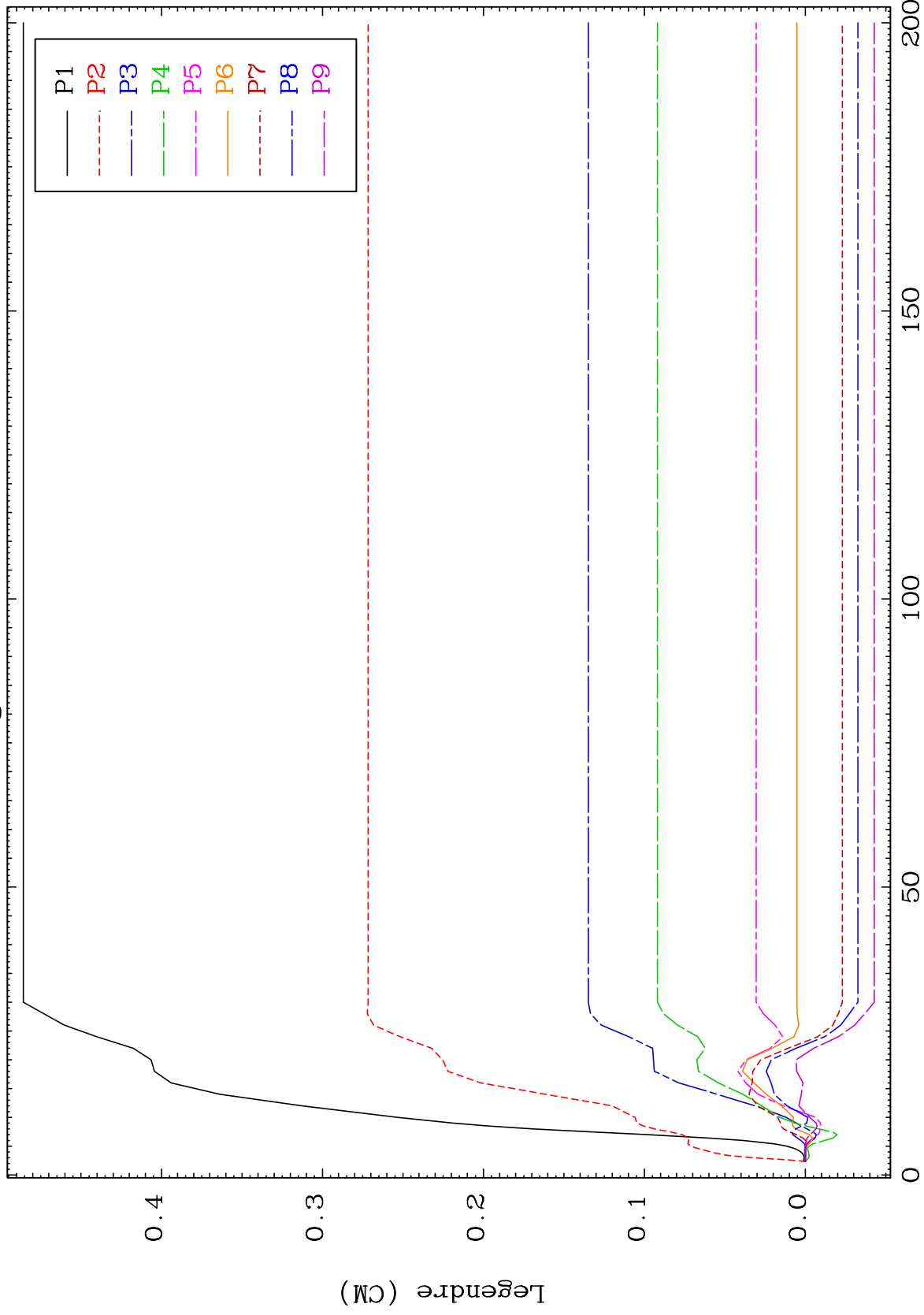
56-Ba-137



MAT 5646

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

56-Ba-137



104

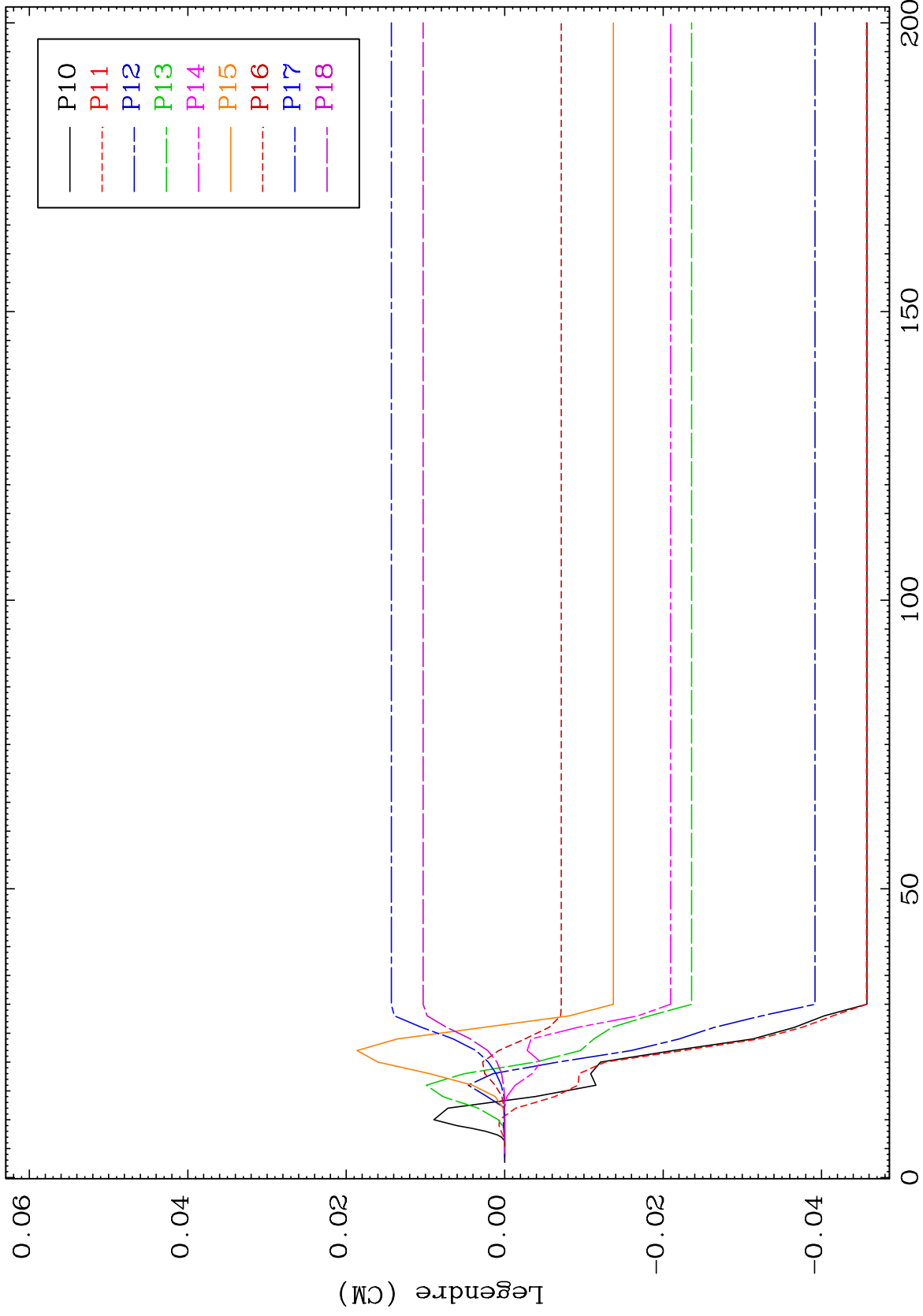
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



105

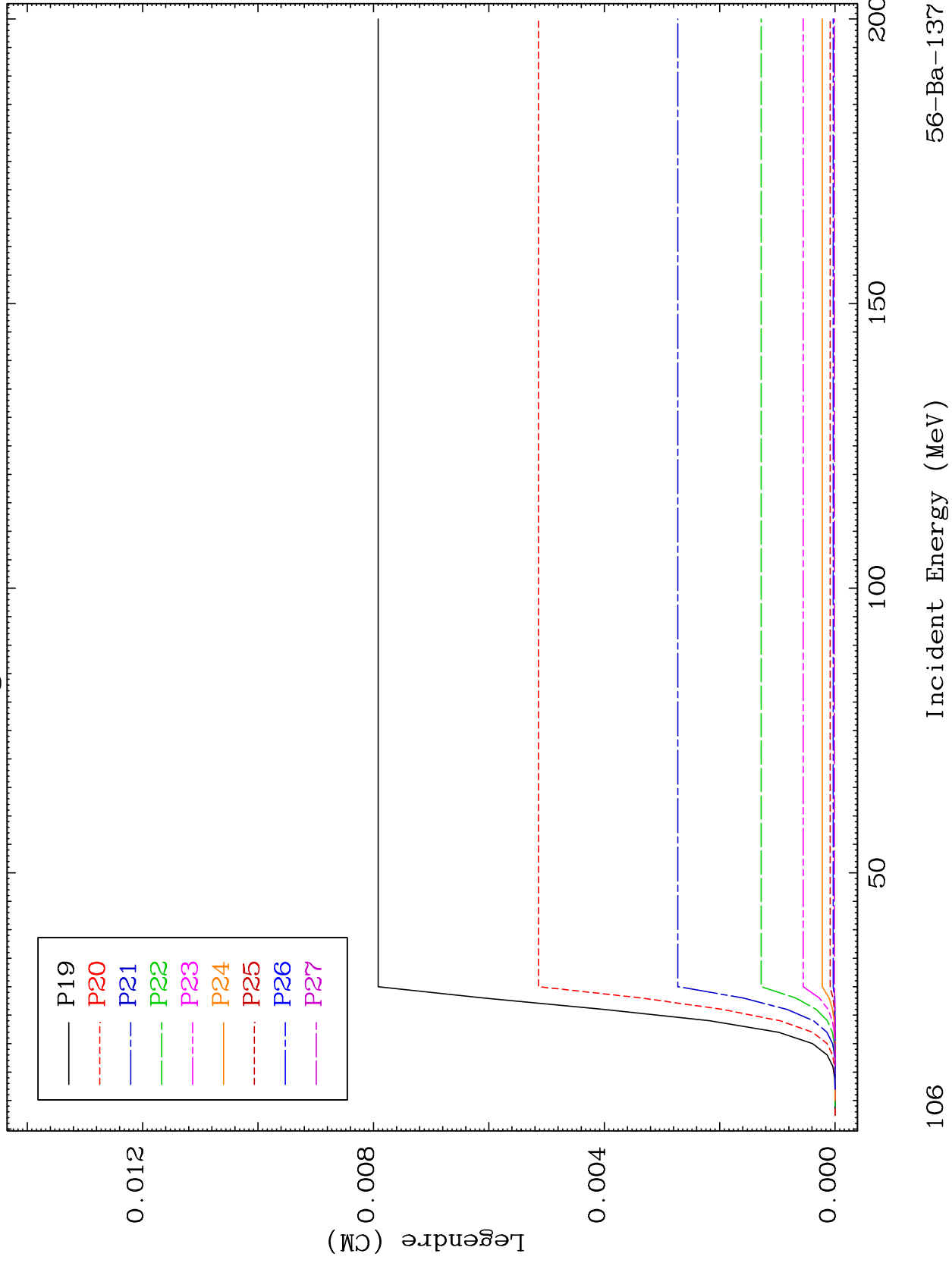
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



106

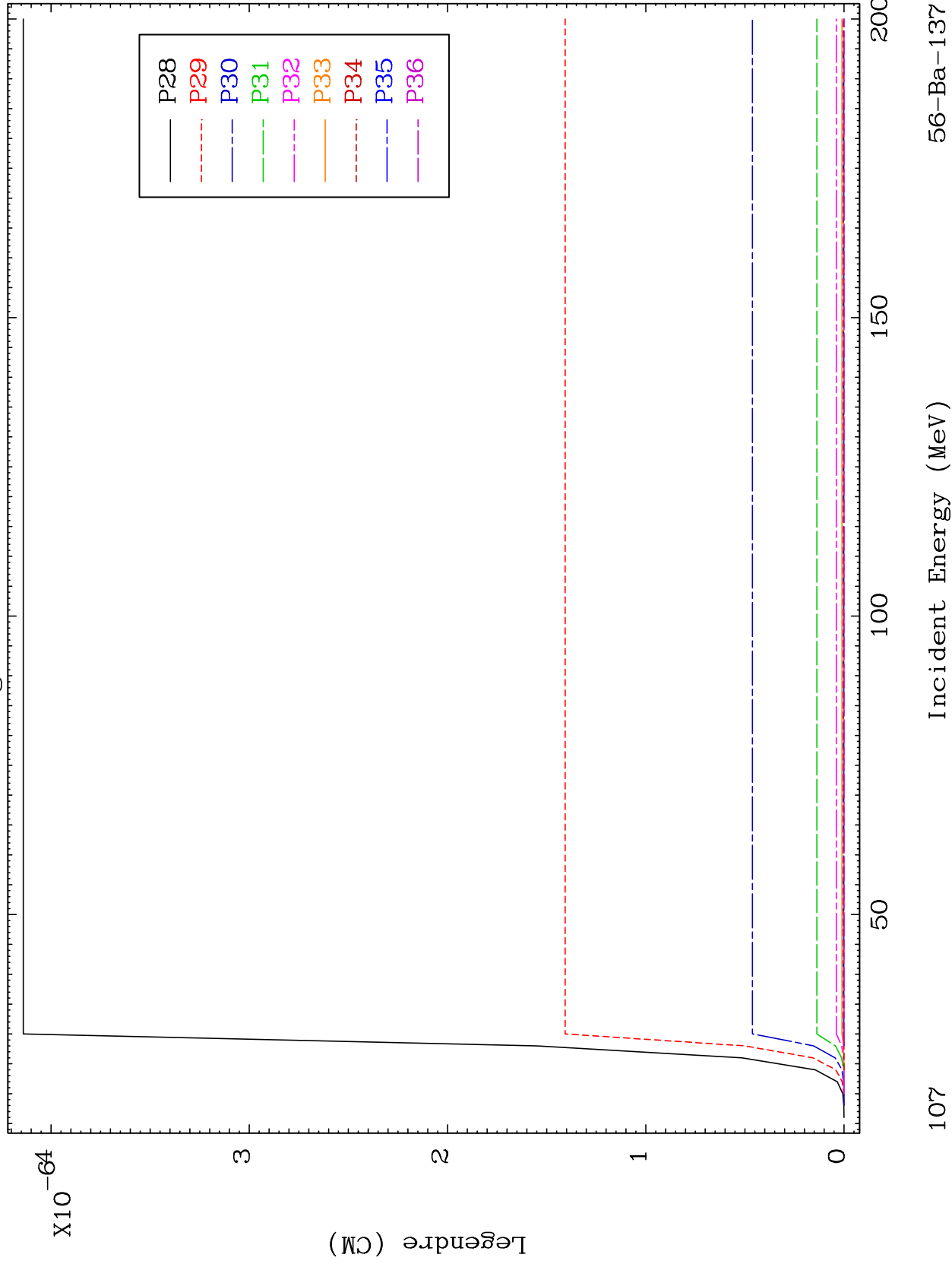
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

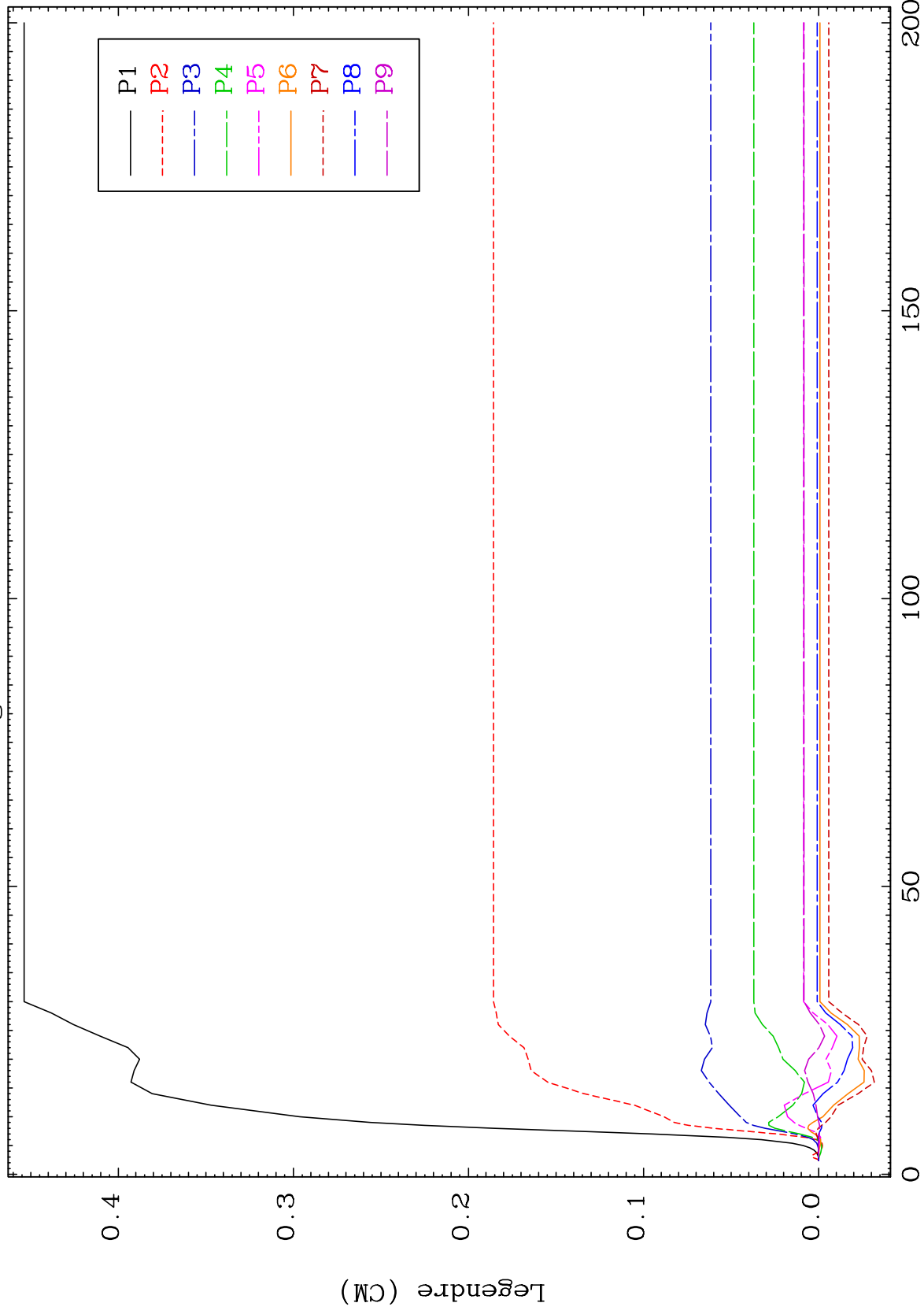
56-Ba-137



MAT 5646

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

56-Ba-137



56-Ba-137

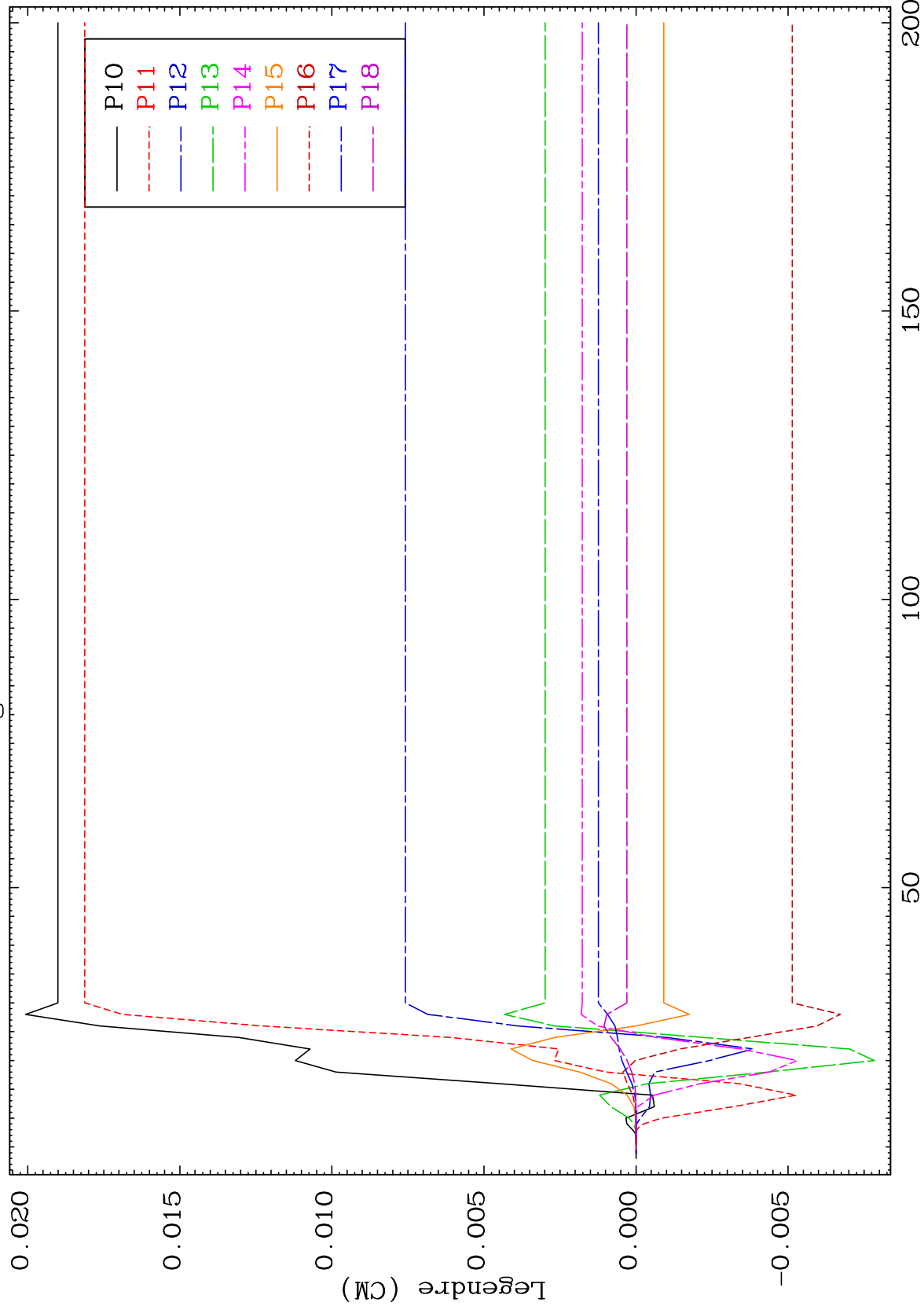
Incident Energy (MeV)

108

MAT 5646

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

56-Ba-137



56-Ba-137

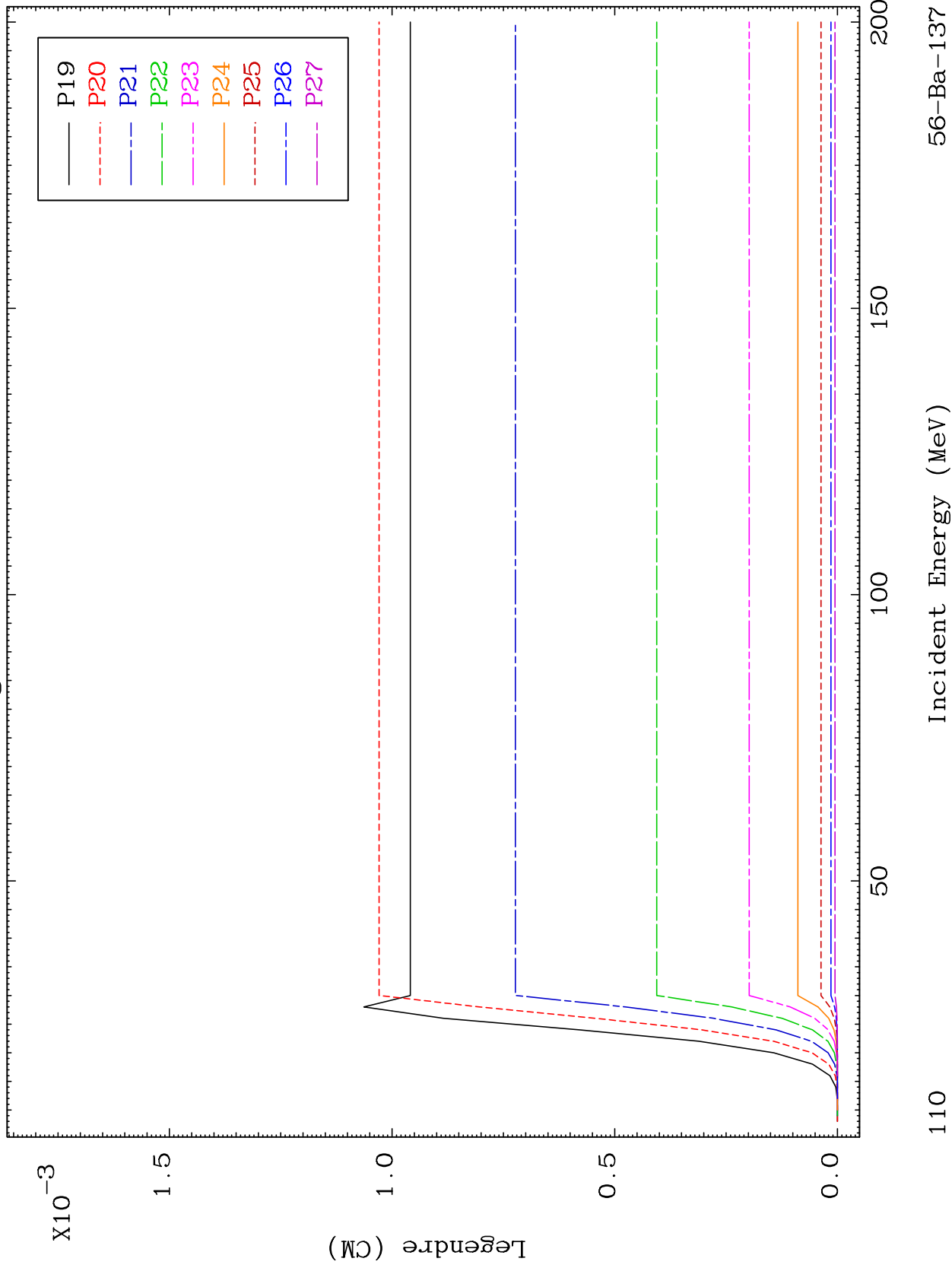
Incident Energy (MeV)

109

MAT 5646

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

56-Ba-137



110

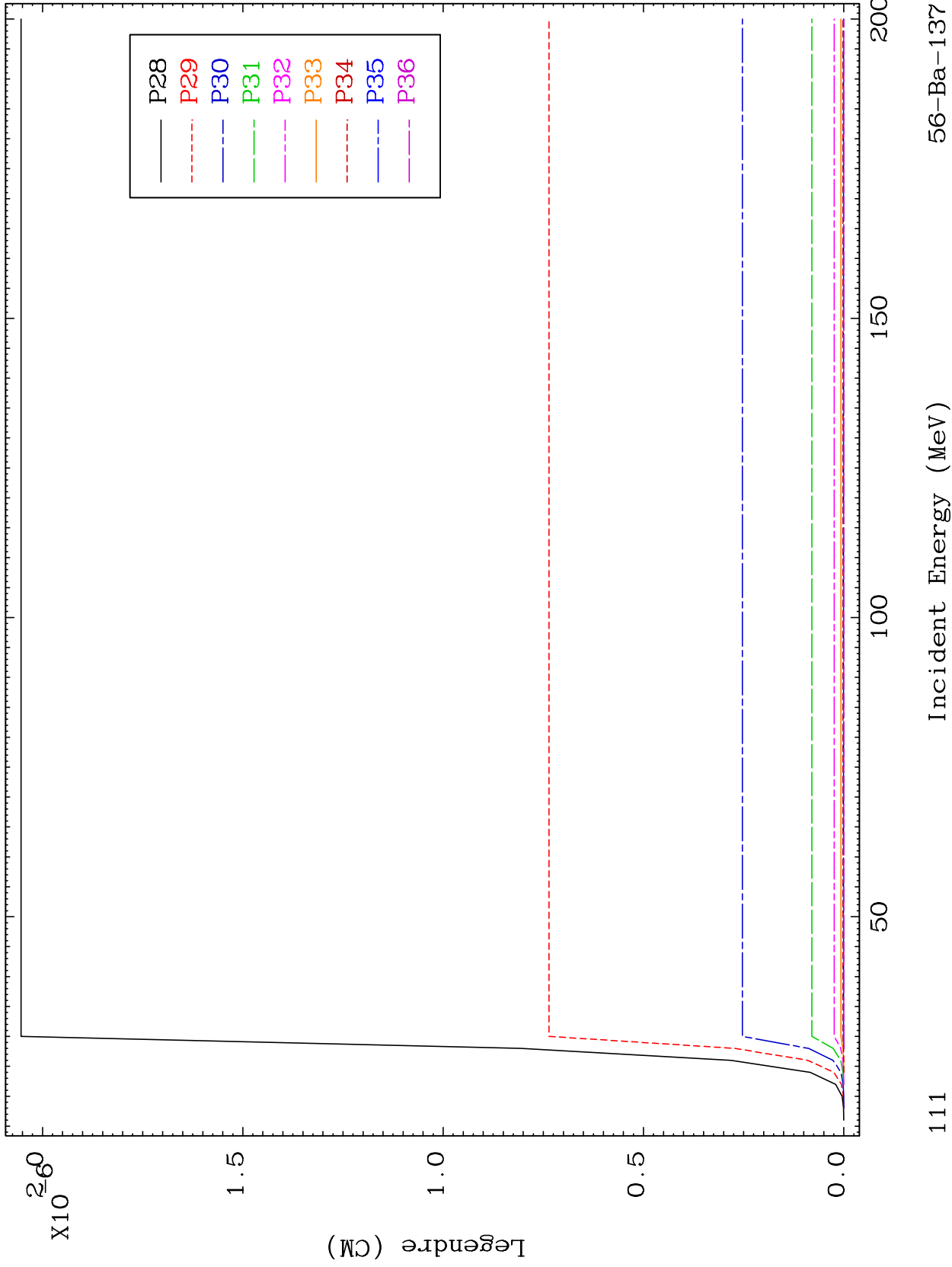
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137

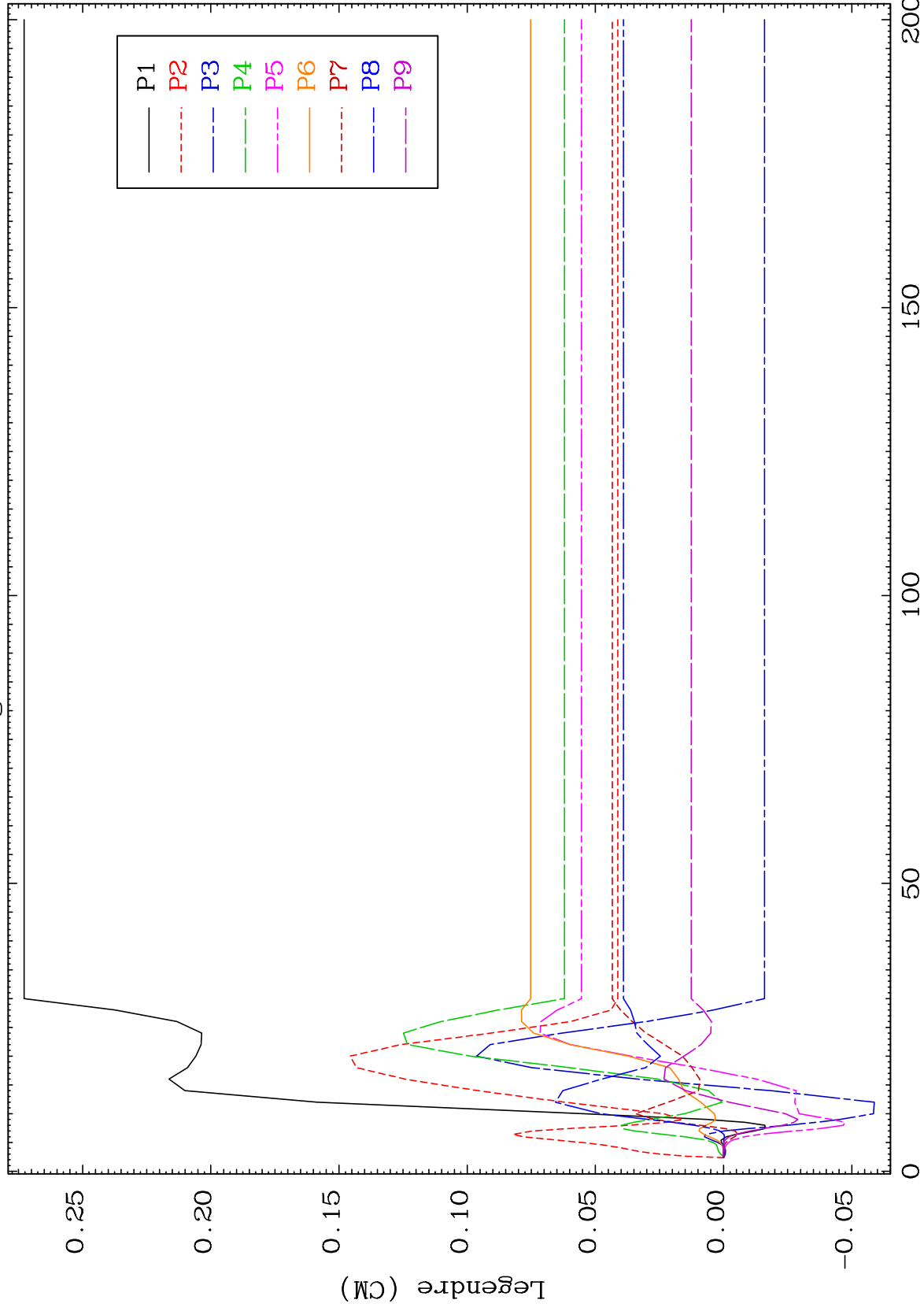




MAT 5646

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

56-Ba-137



112

Incident Energy (MeV)

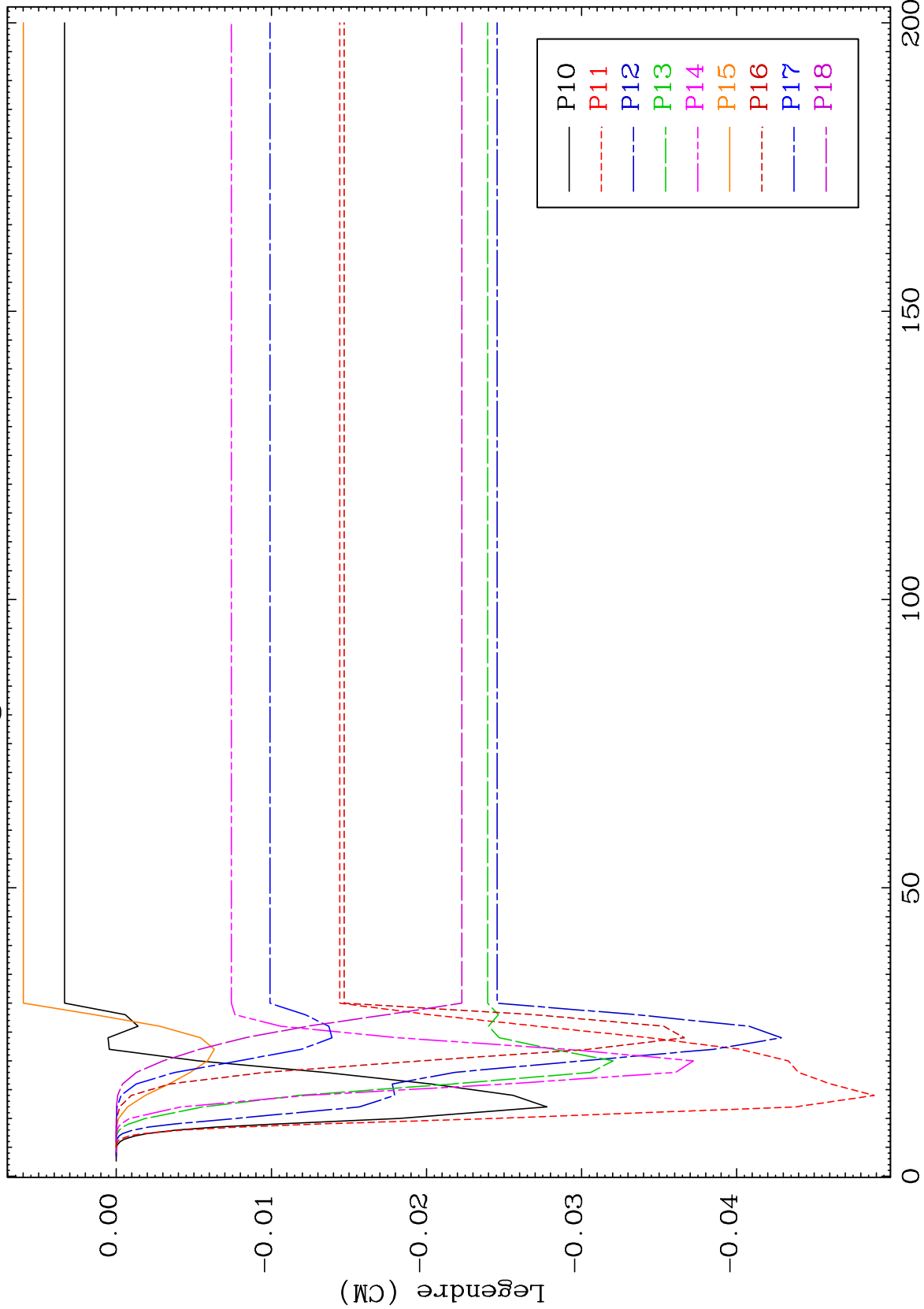
56-Ba-137

MAT 5646

MT= 74 (n,n') Level

56-Ba-137

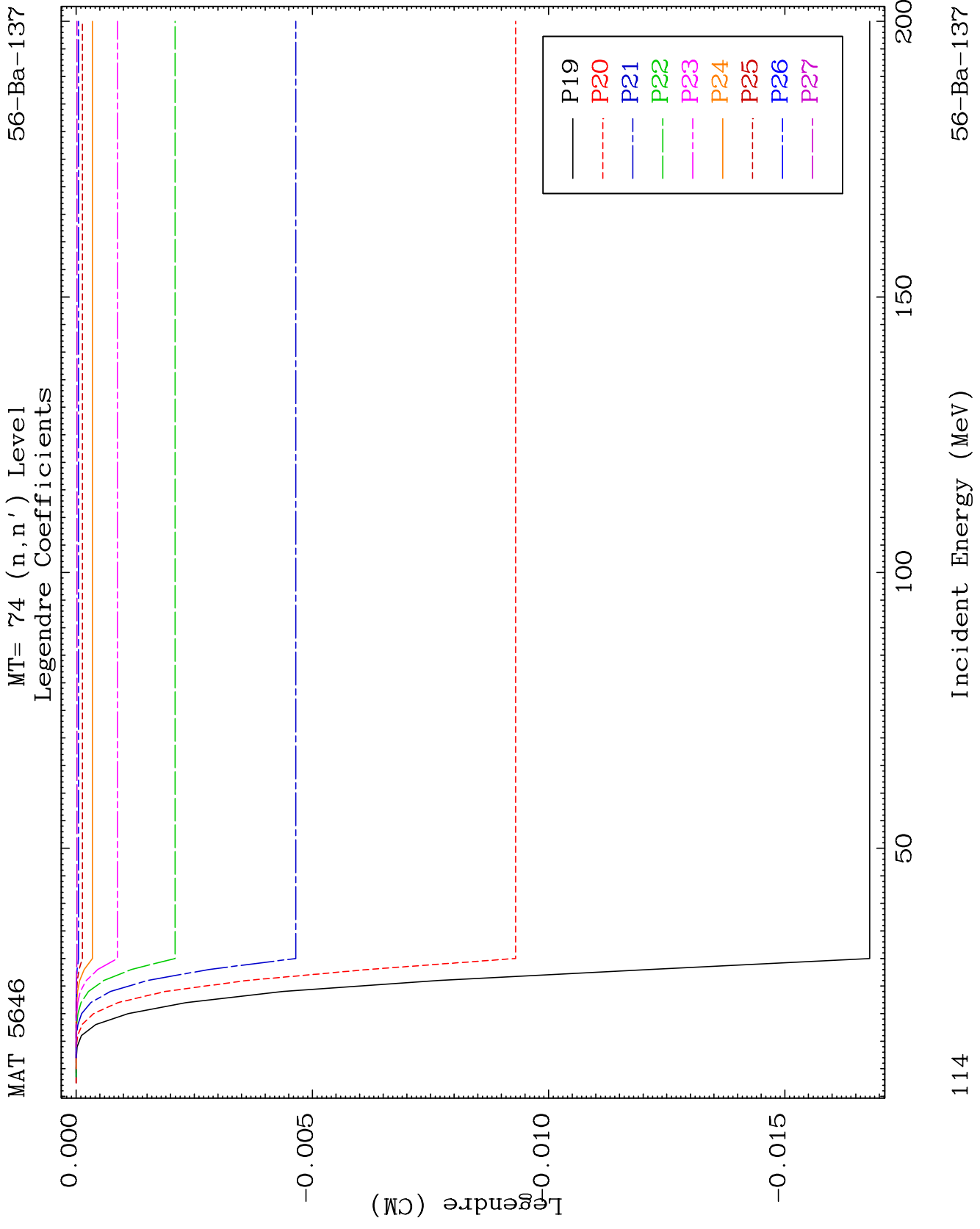
Legendre Coefficients

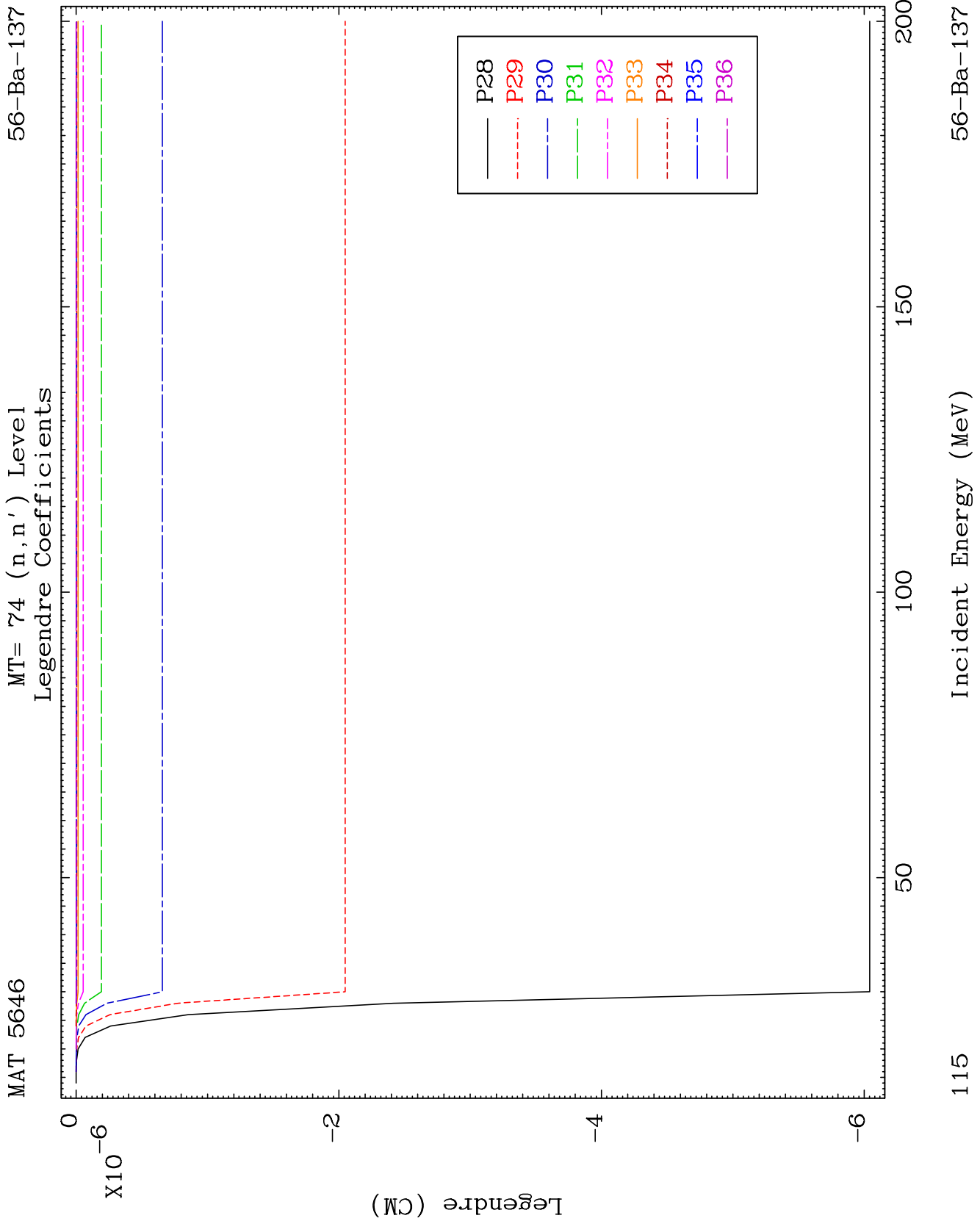


113

Incident Energy (MeV)

56-Ba-137

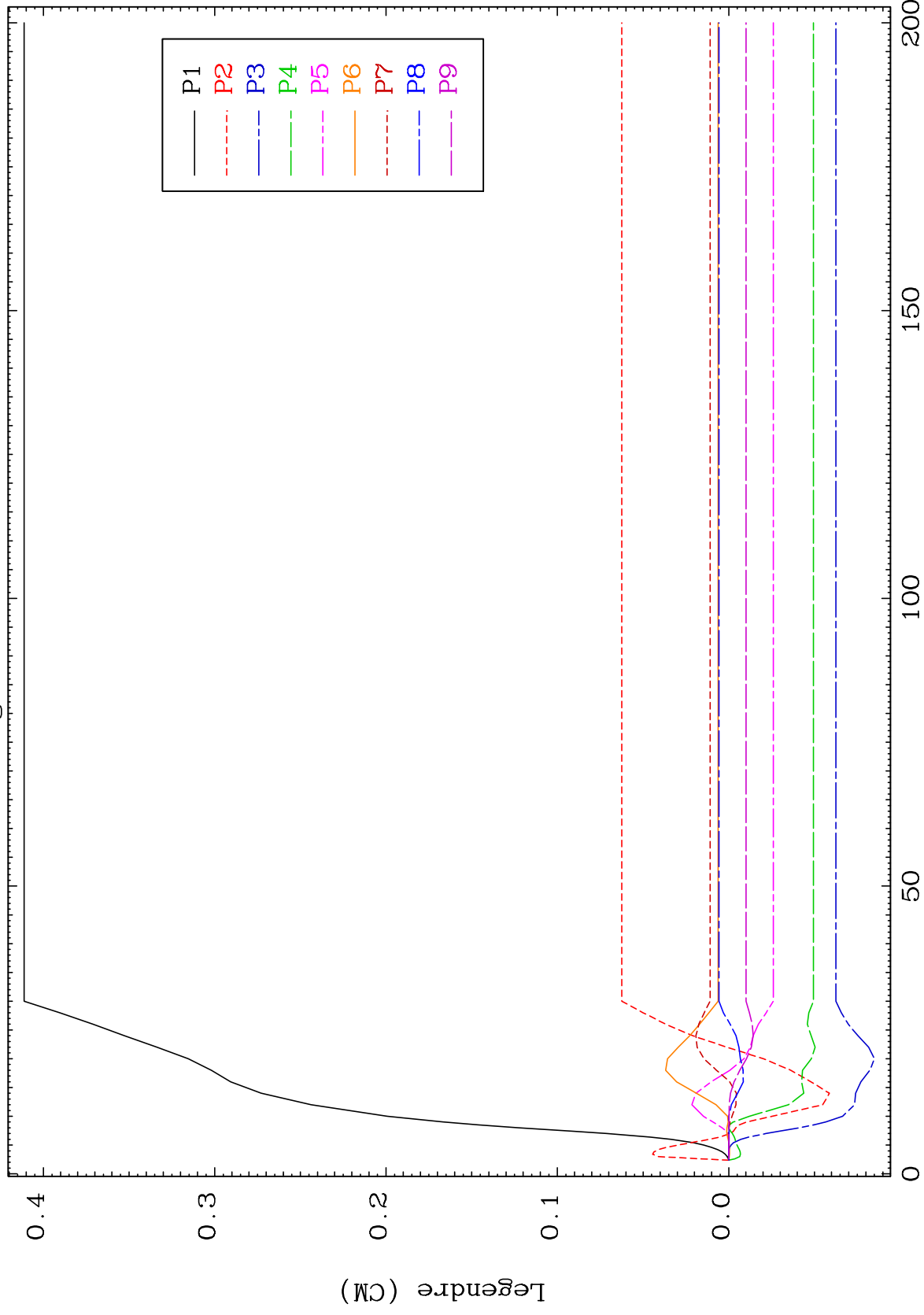




MAT 5646

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

56-Ba-137



116

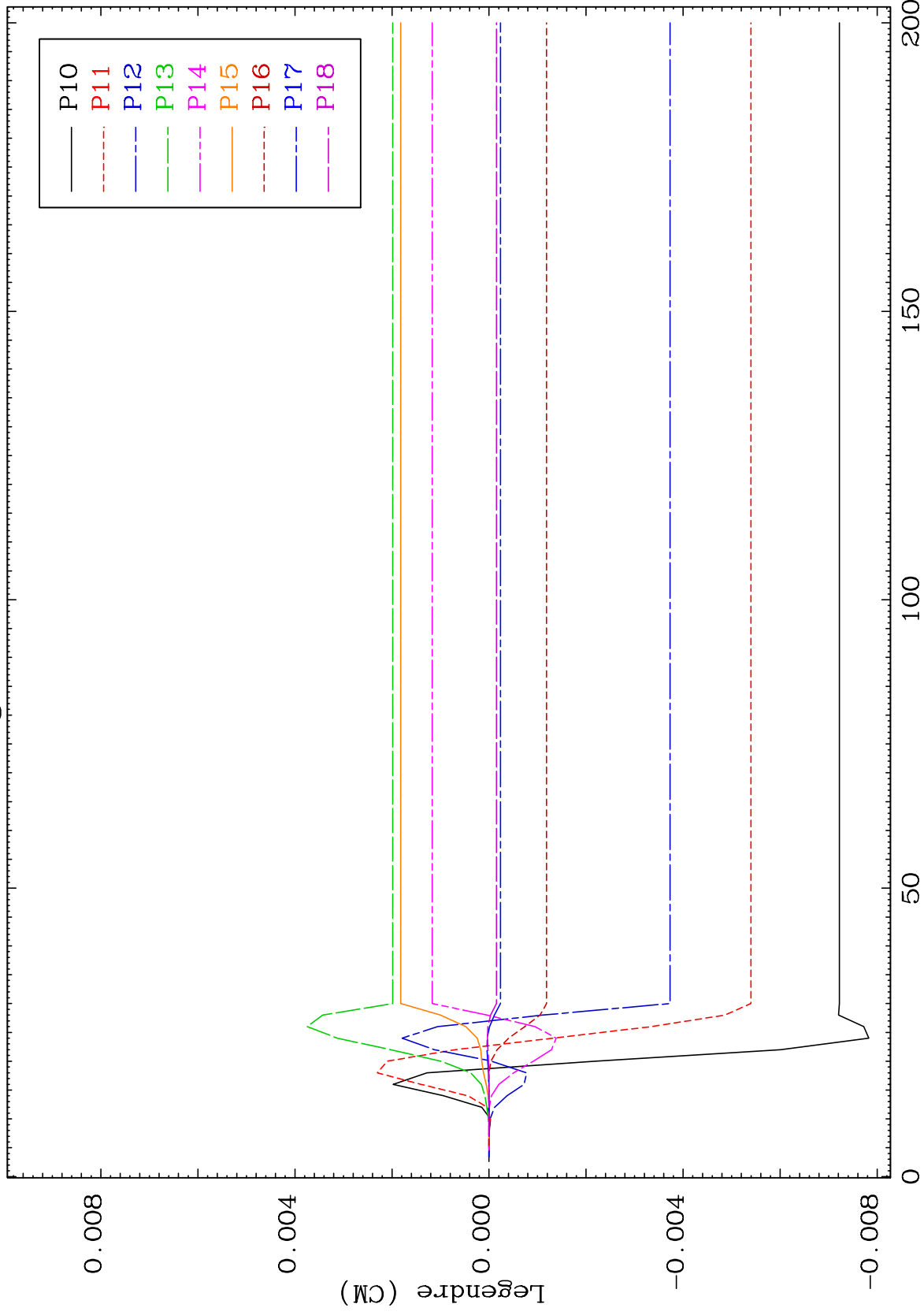
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



117

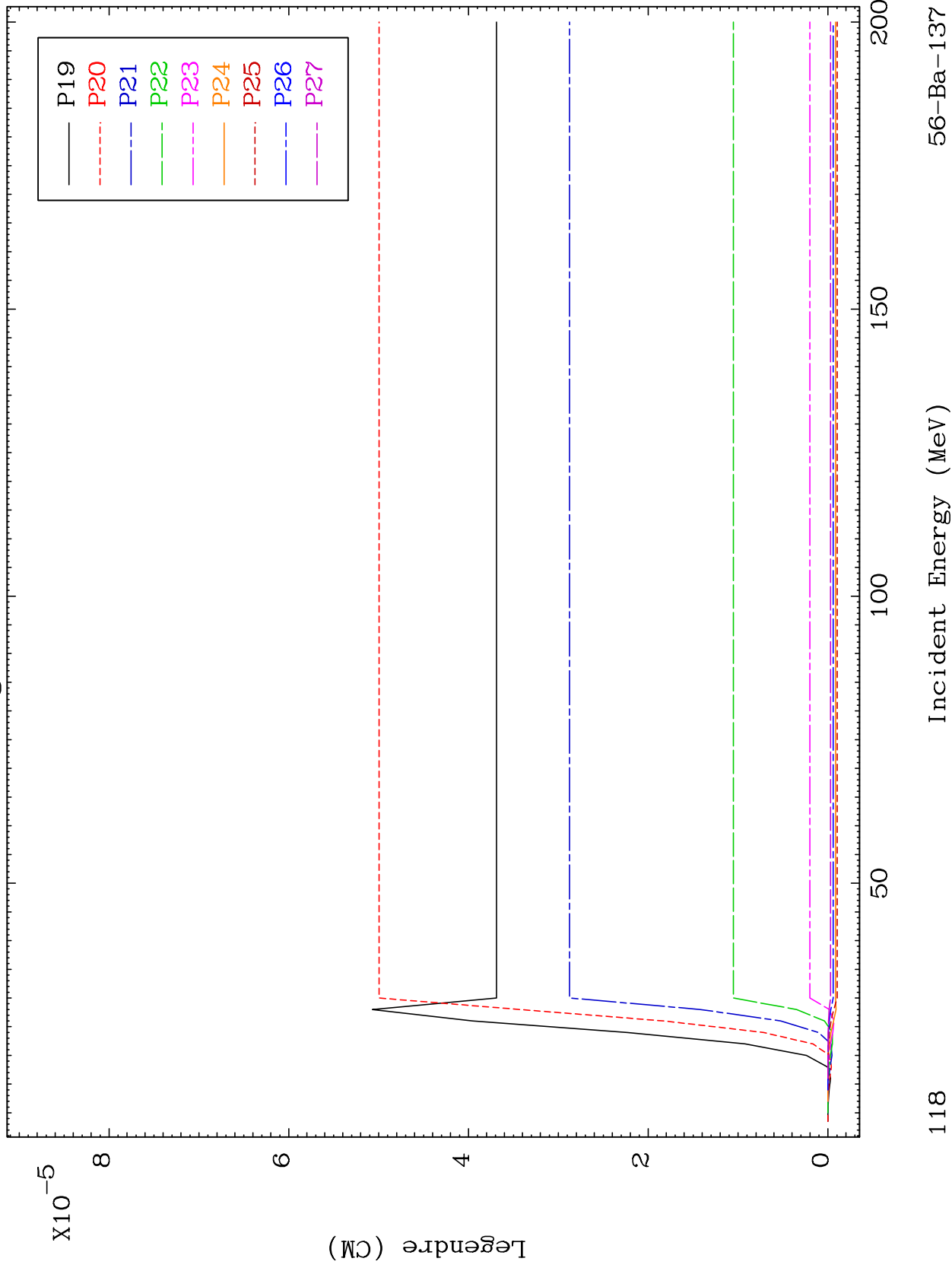
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137

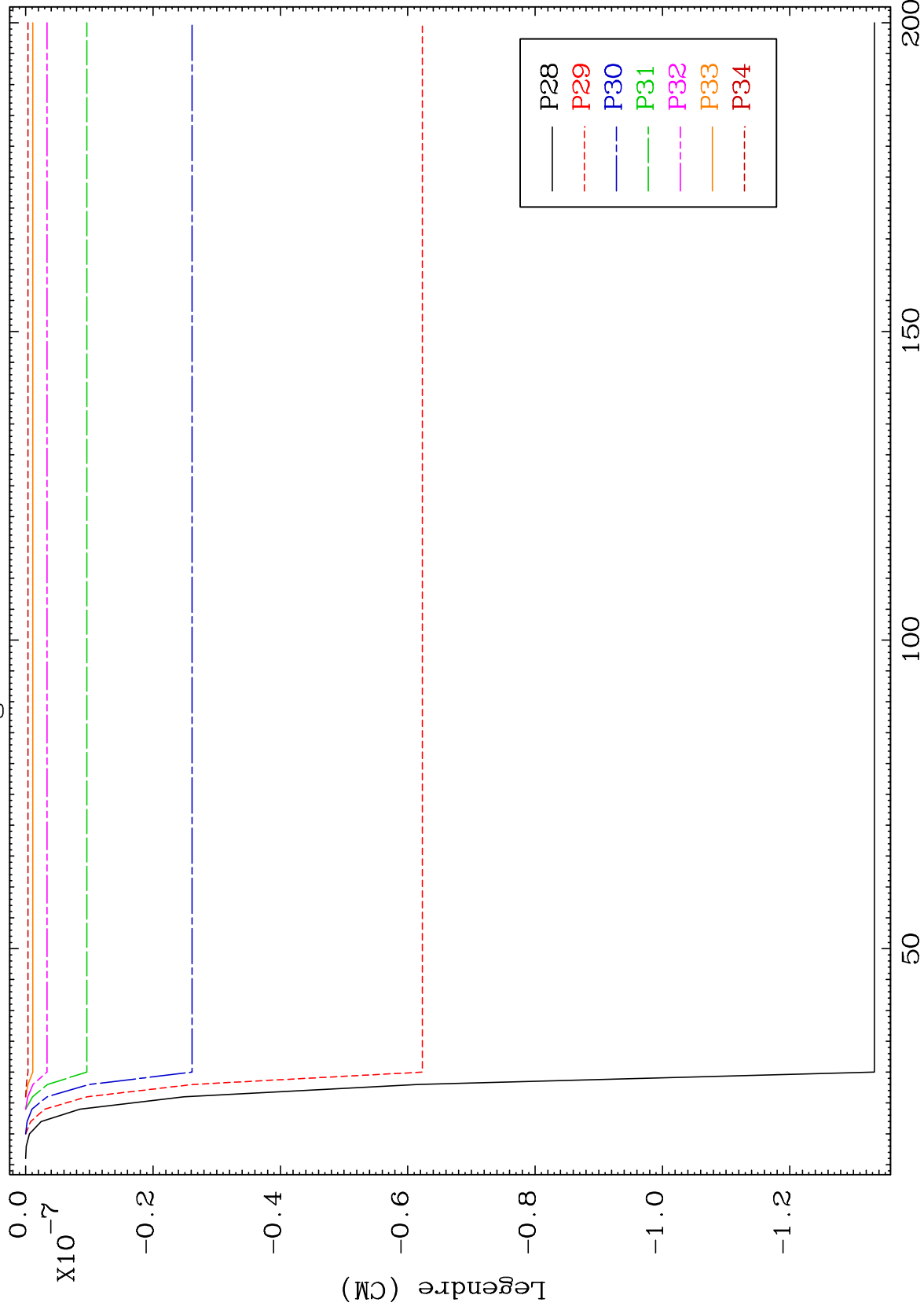


MAT 5646

MT= 75 (n,n') Level

56-Ba-137

Legendre Coefficients

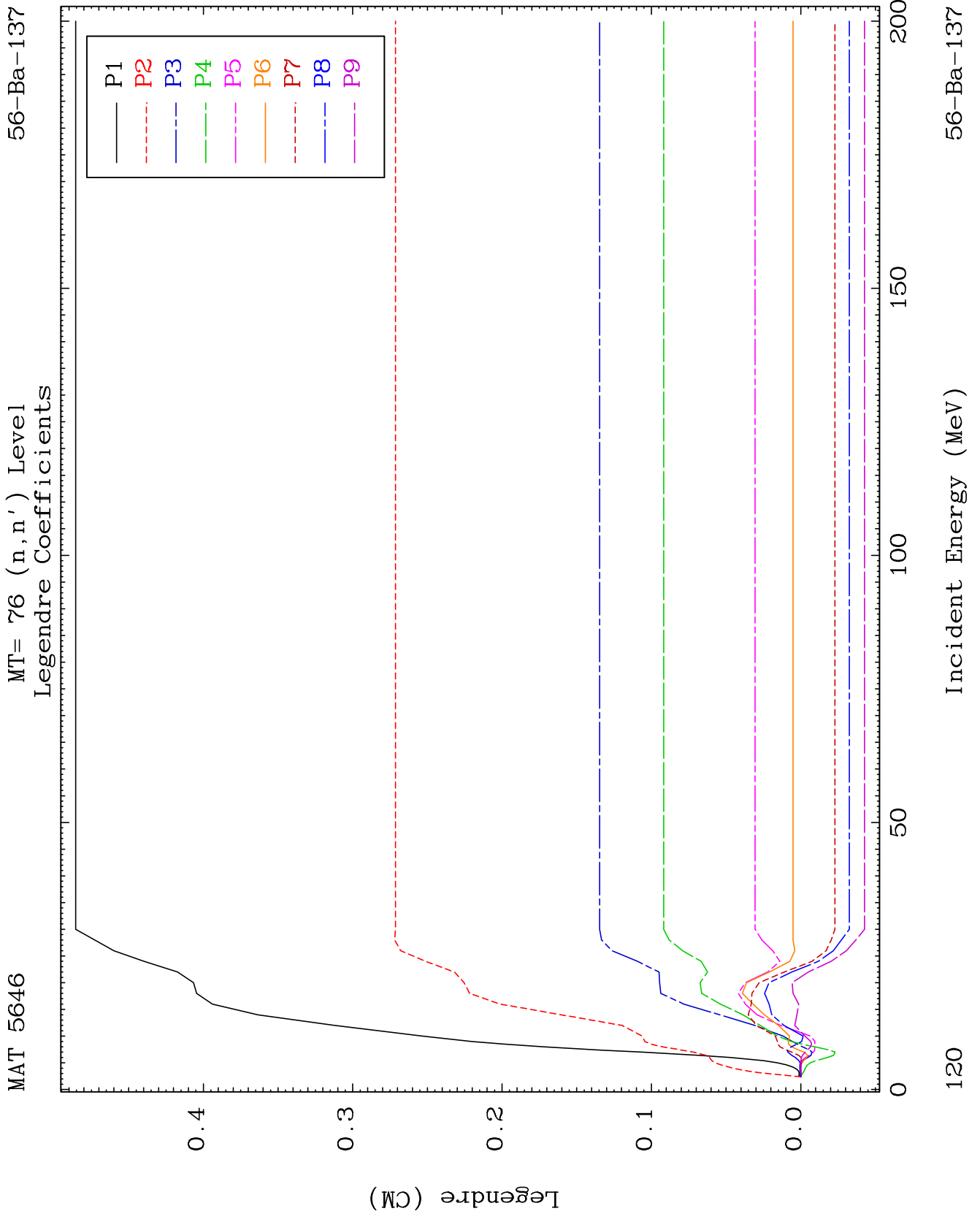


119

Incident Energy (MeV)

56-Ba-137

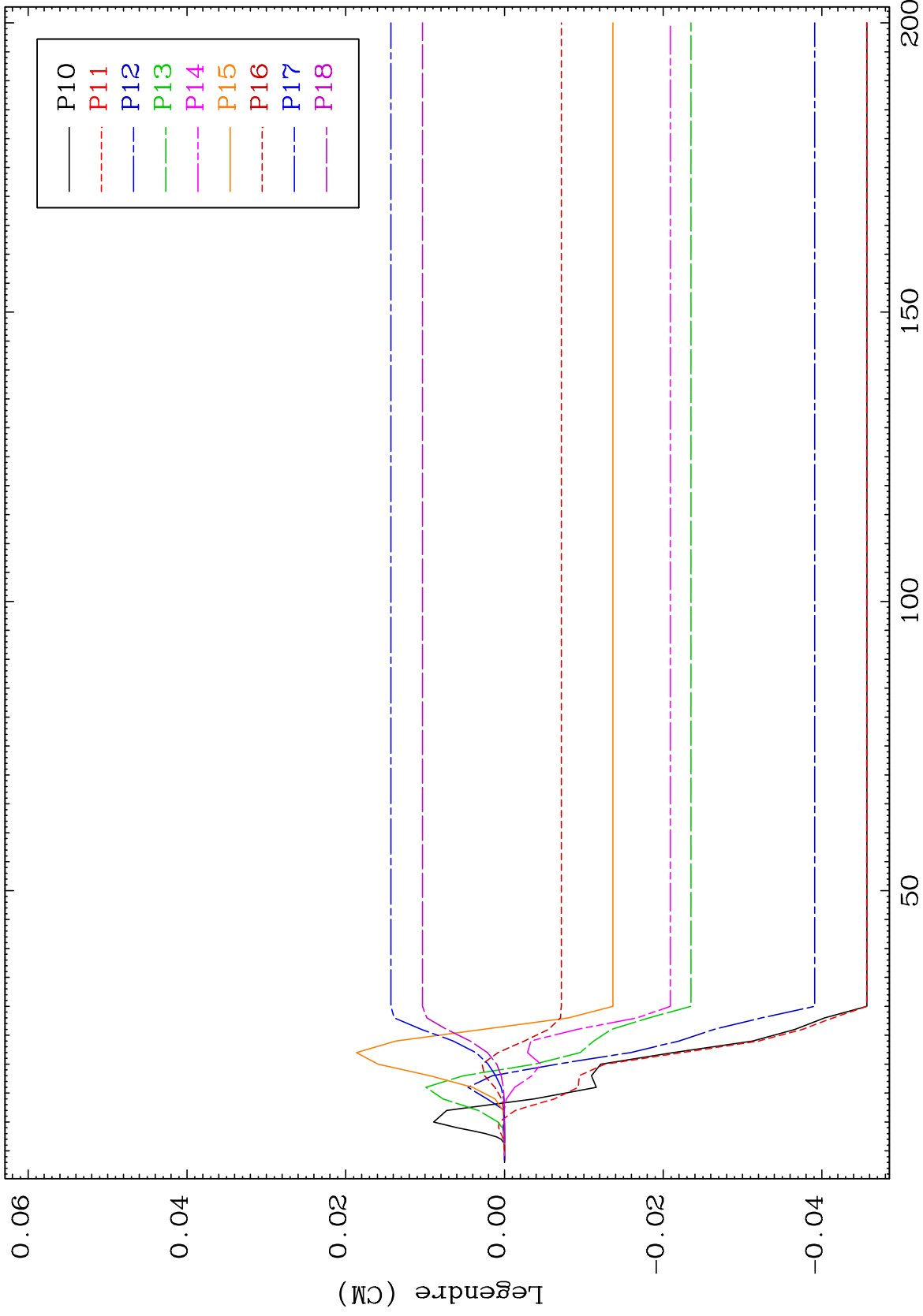




MAT 5646

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

56-Ba-137



121

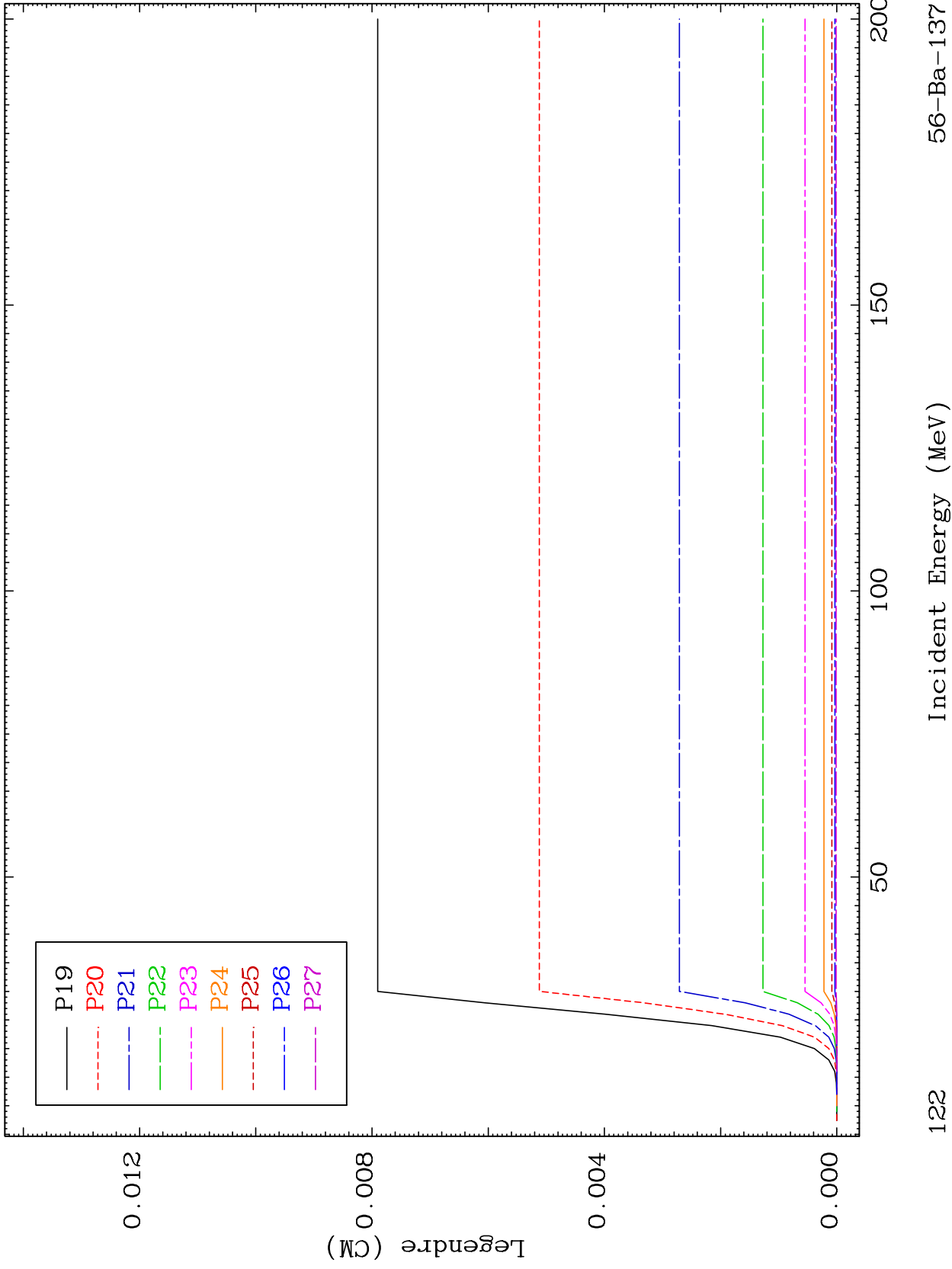
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



122

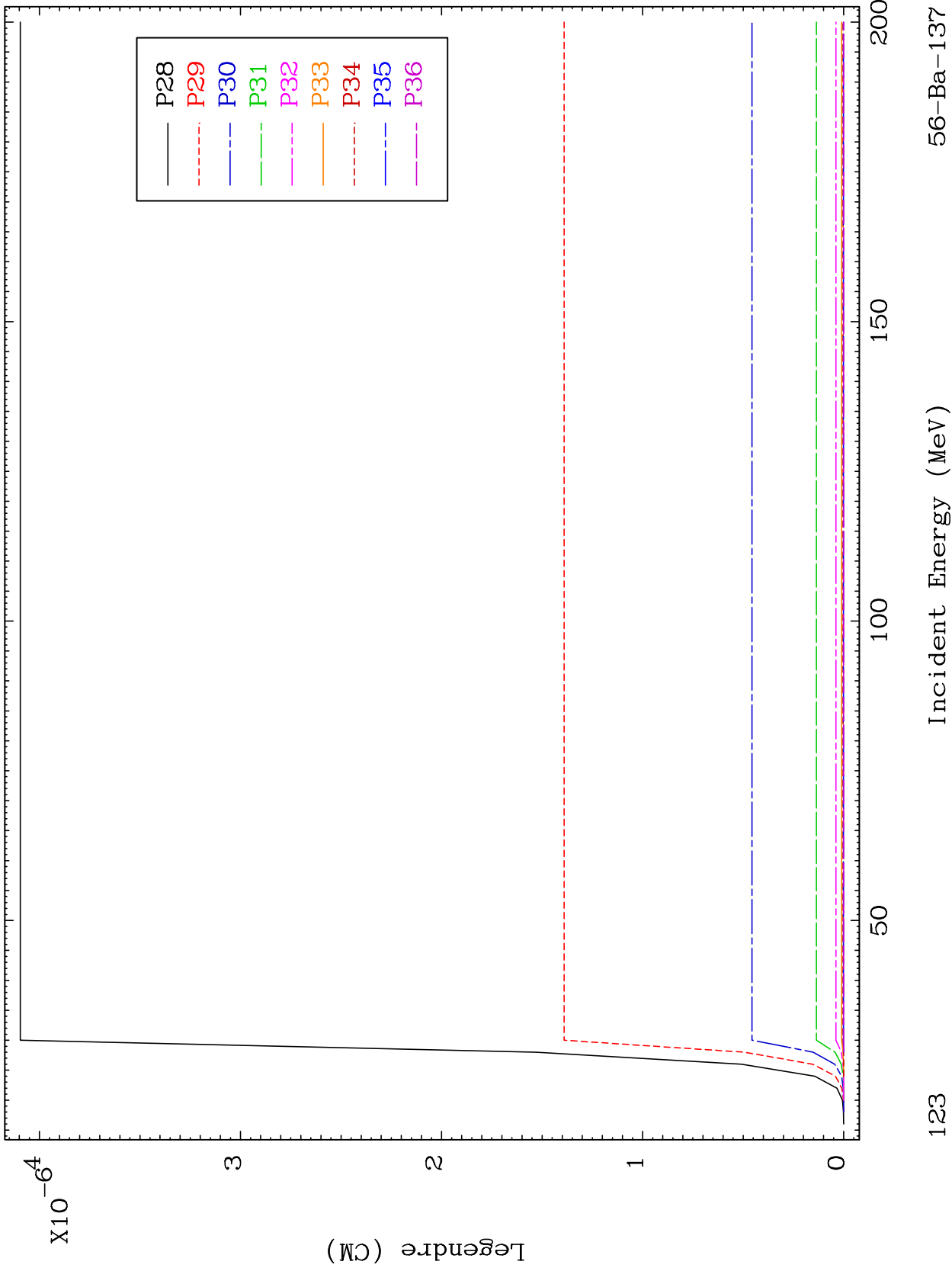
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



123

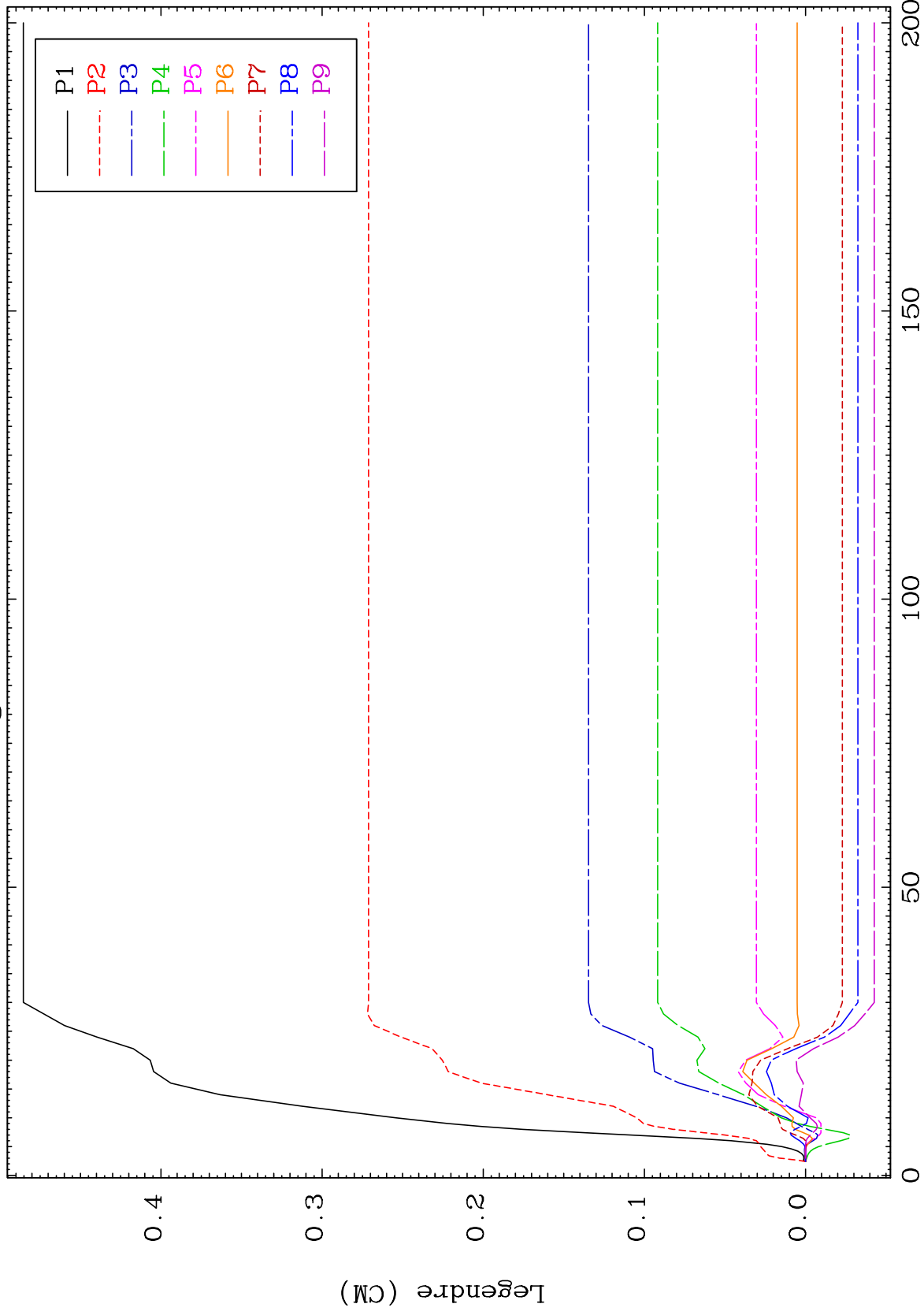
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



124

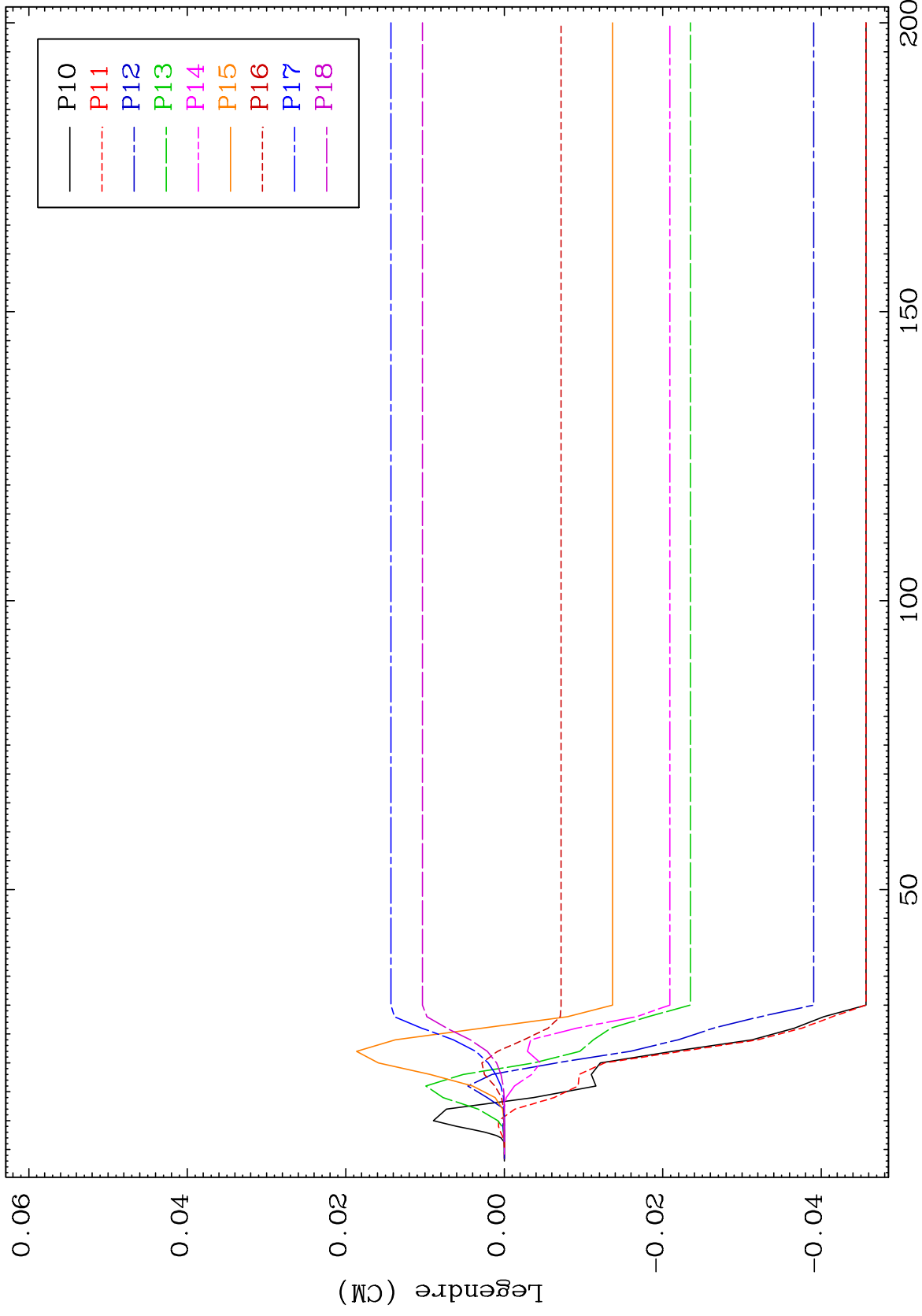
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



125

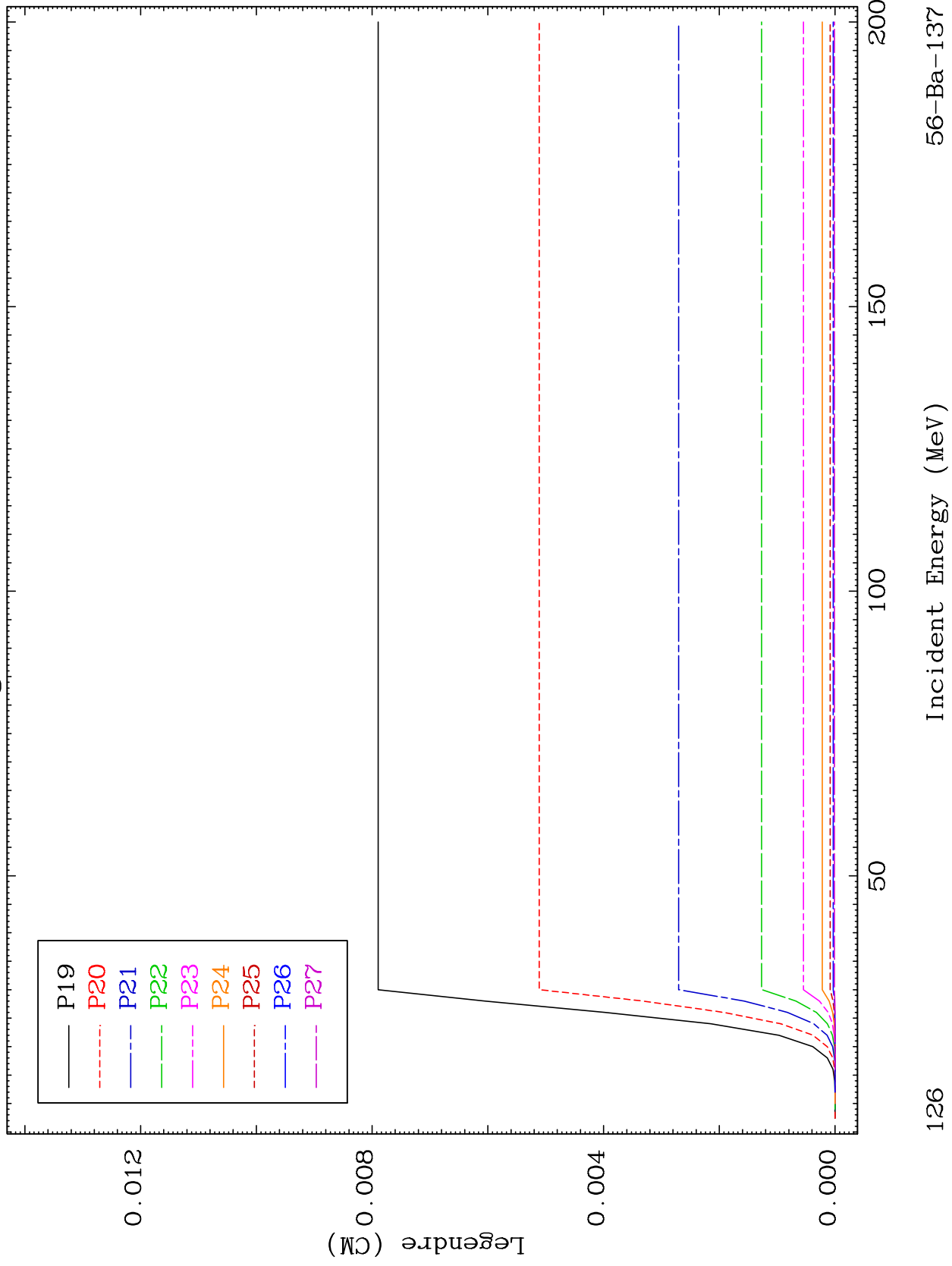
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



126

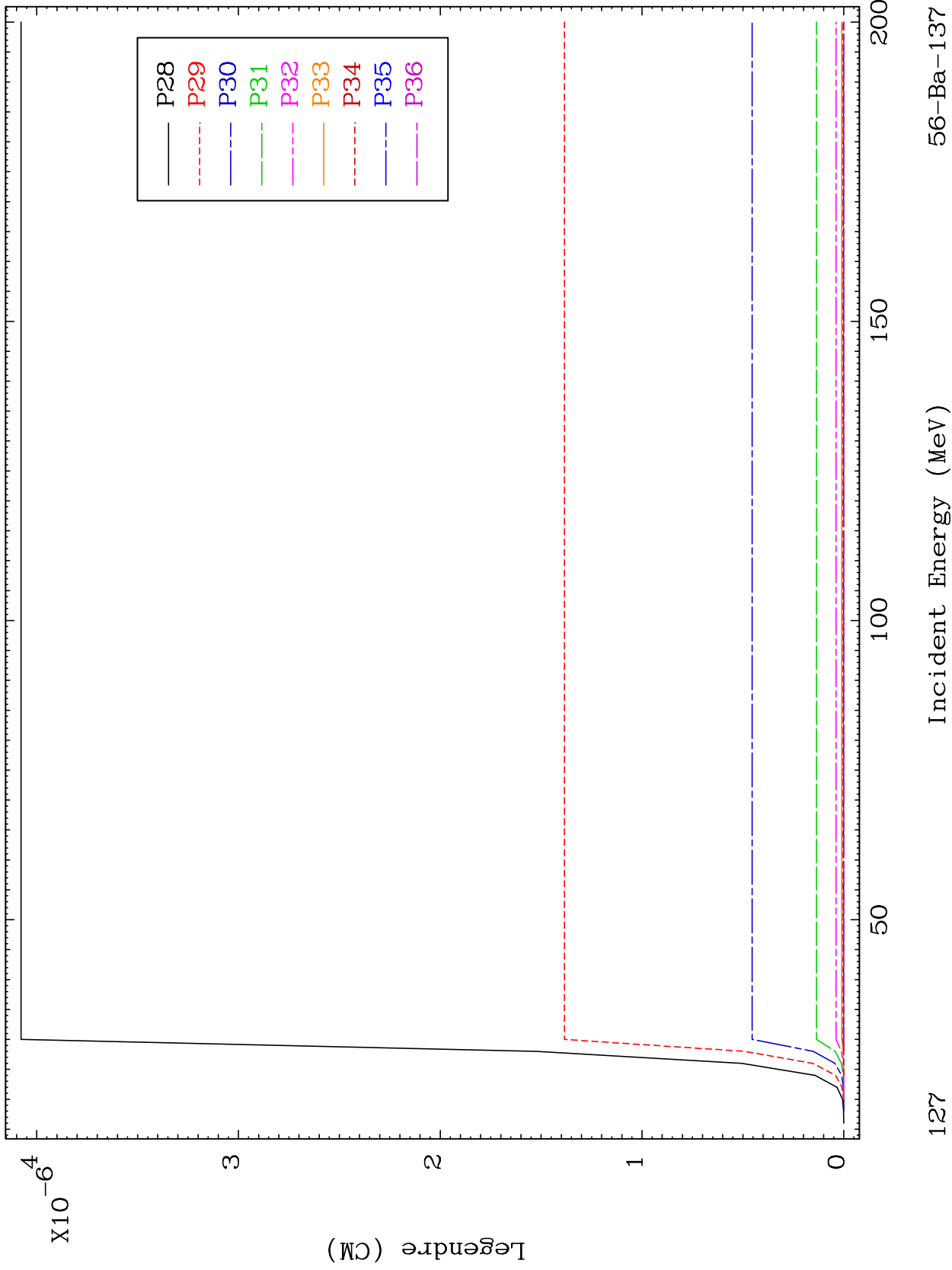
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



127

Incident Energy (MeV)

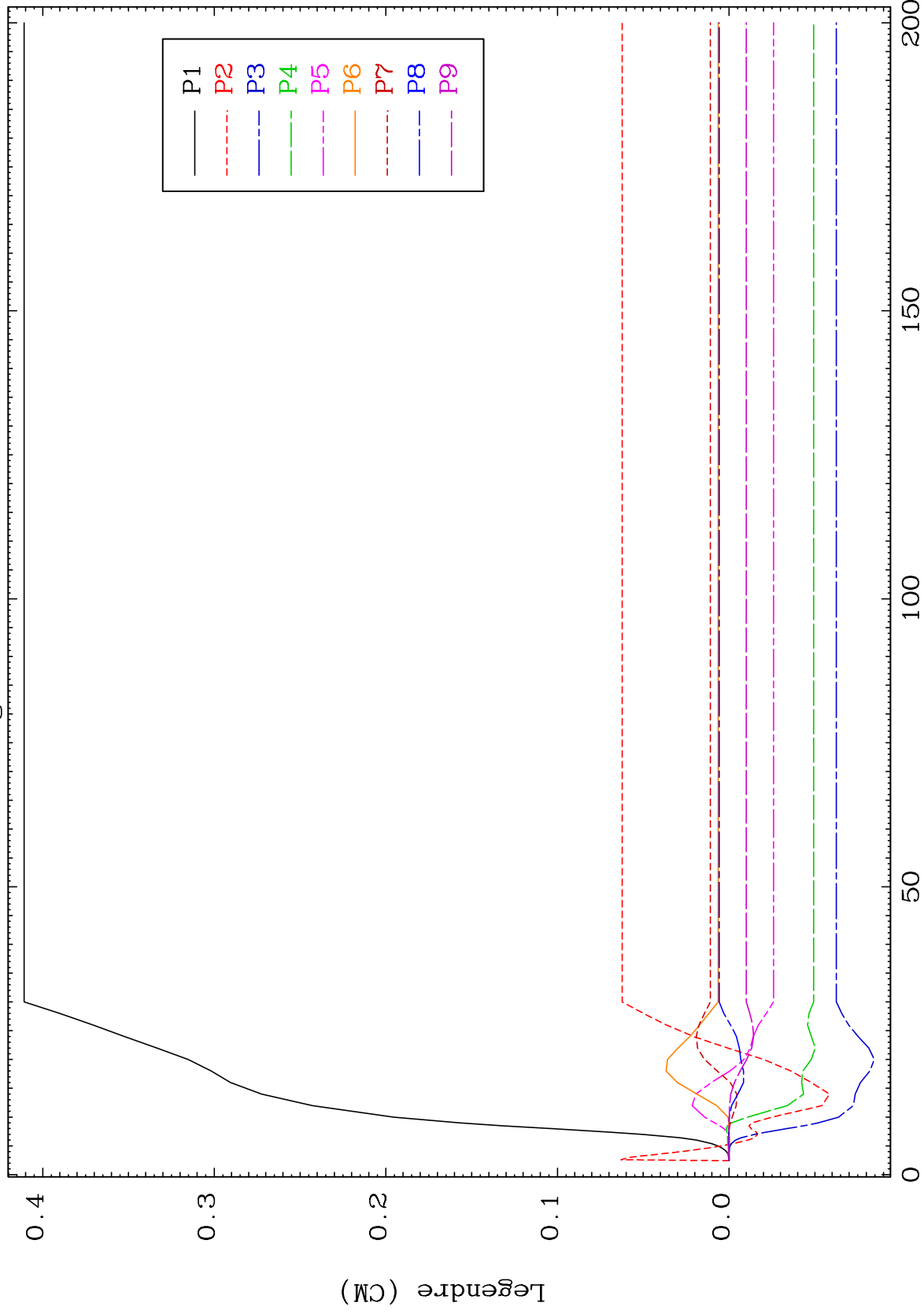
56-Ba-137



MAT 5646

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

56-Ba-137



56-Ba-137

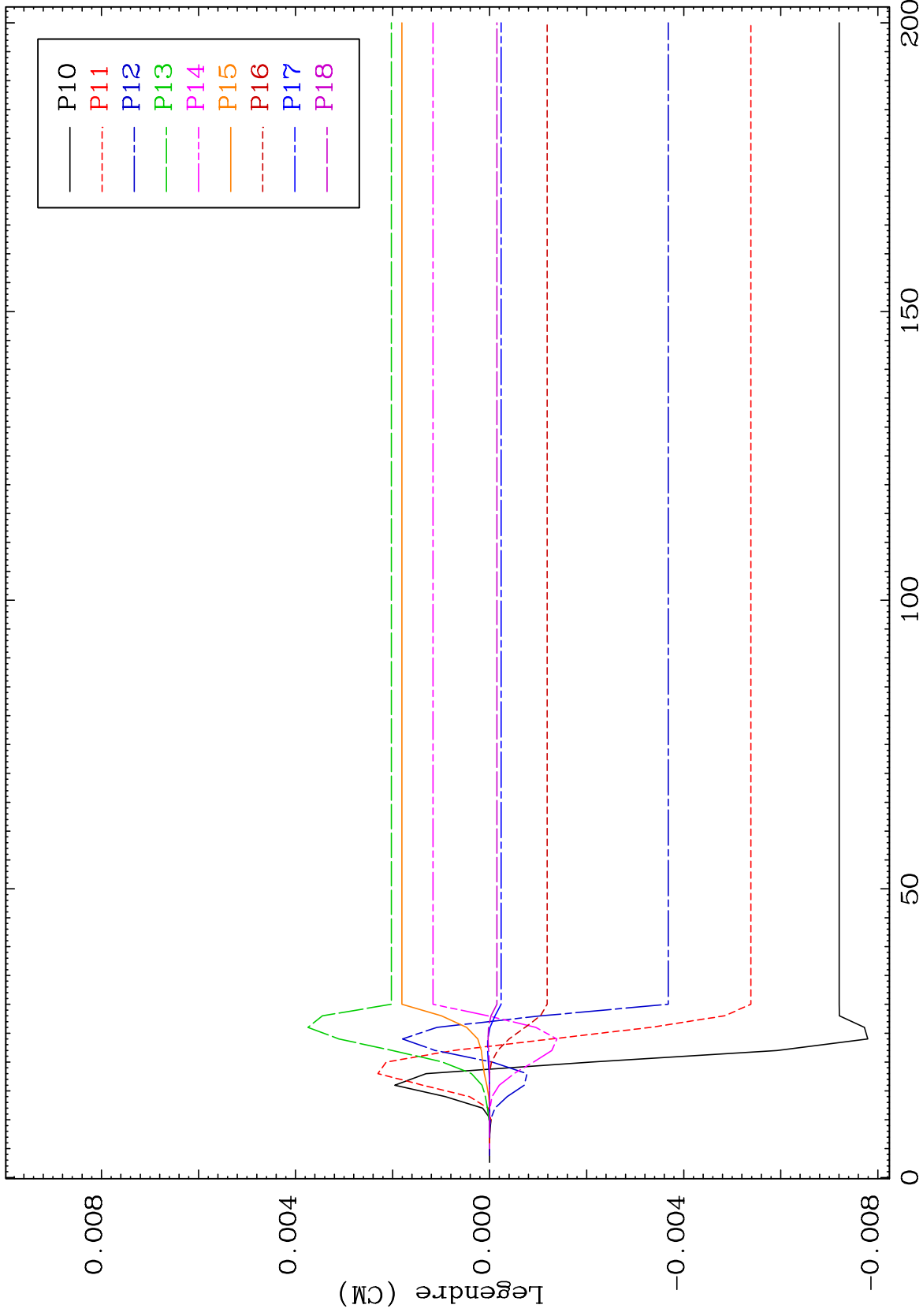
Incident Energy (MeV)

128

MAT 5646

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

56-Ba-137

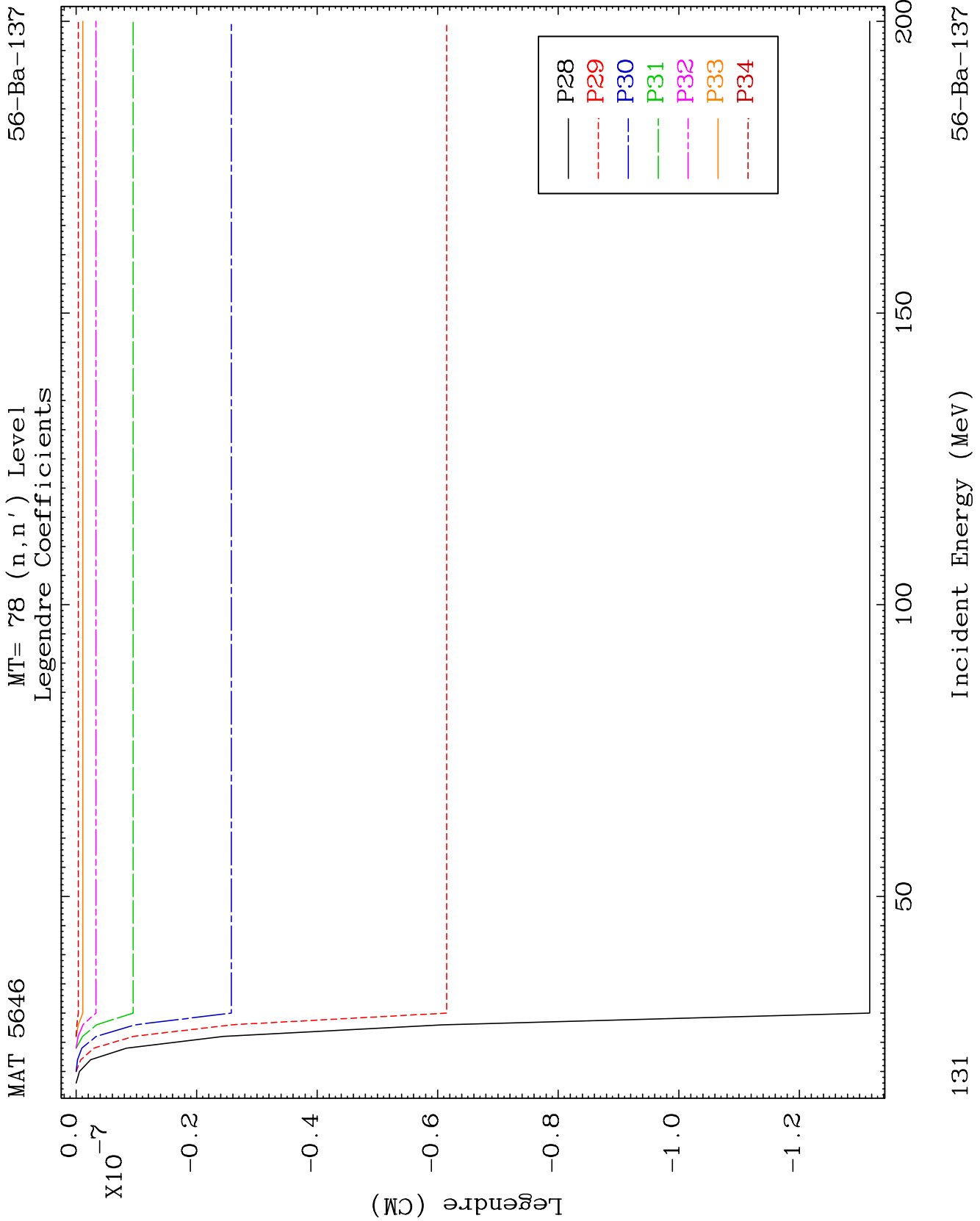


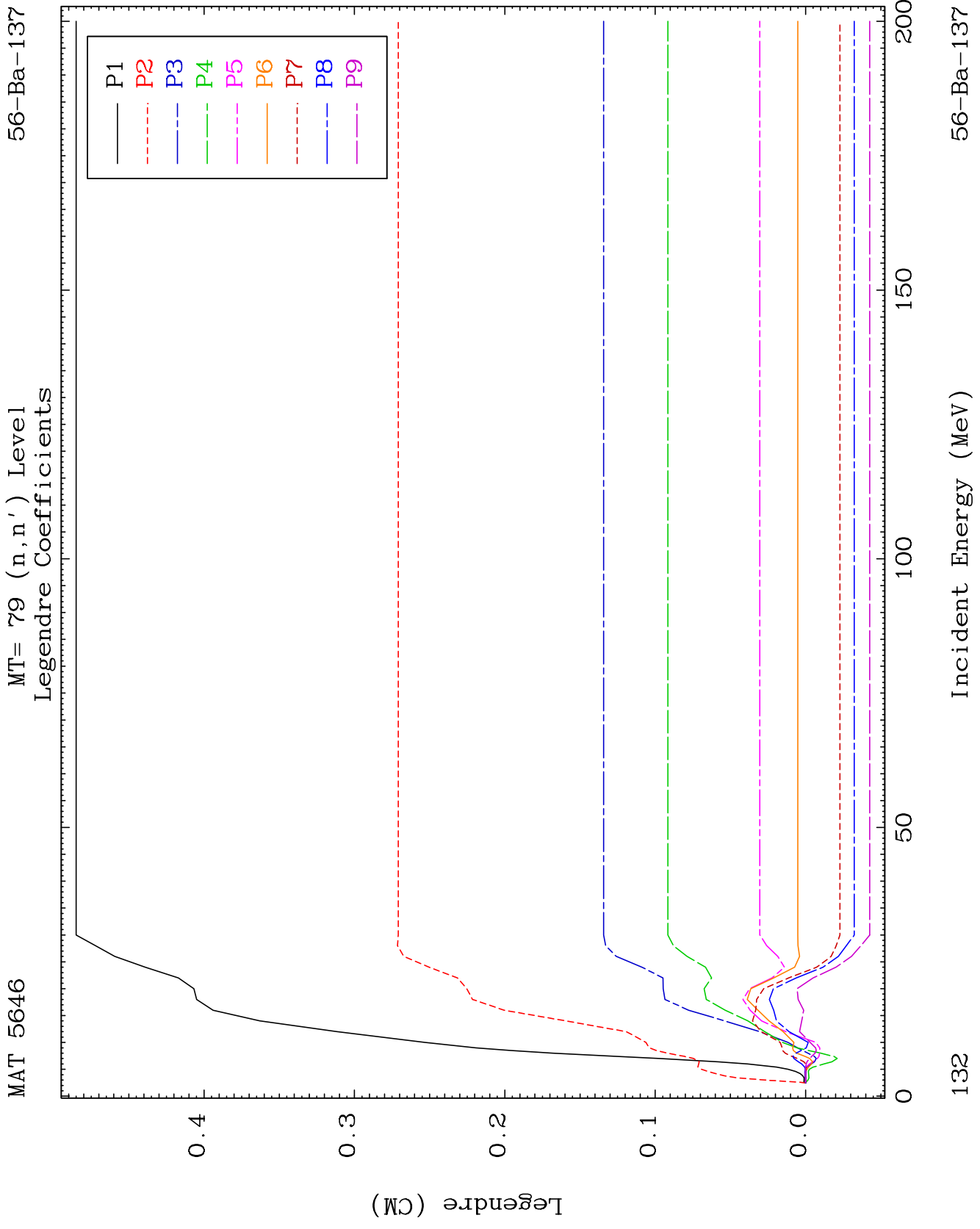
129

Incident Energy (MeV)

56-Ba-137



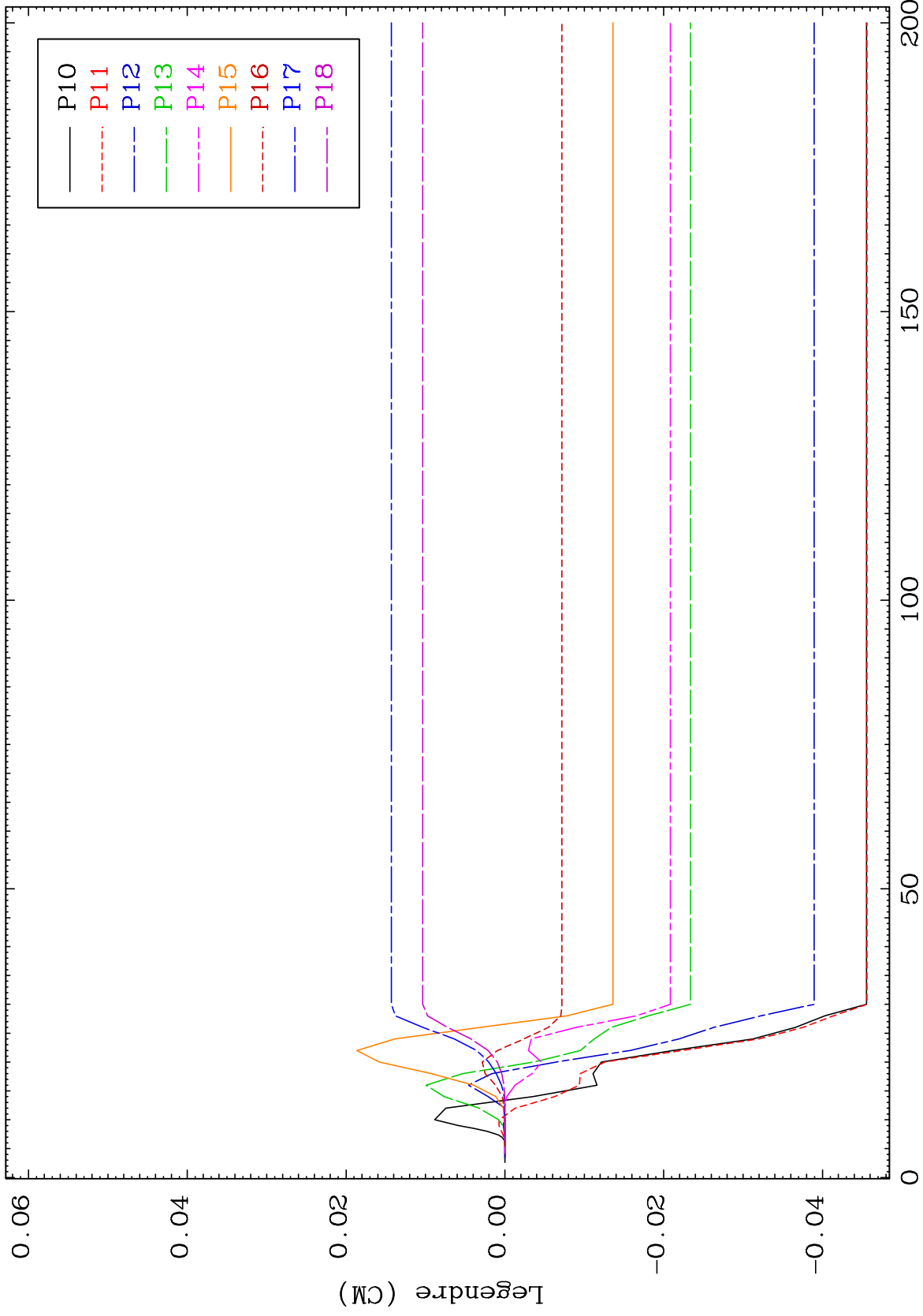




MAT 5646

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

56-Ba-137



133

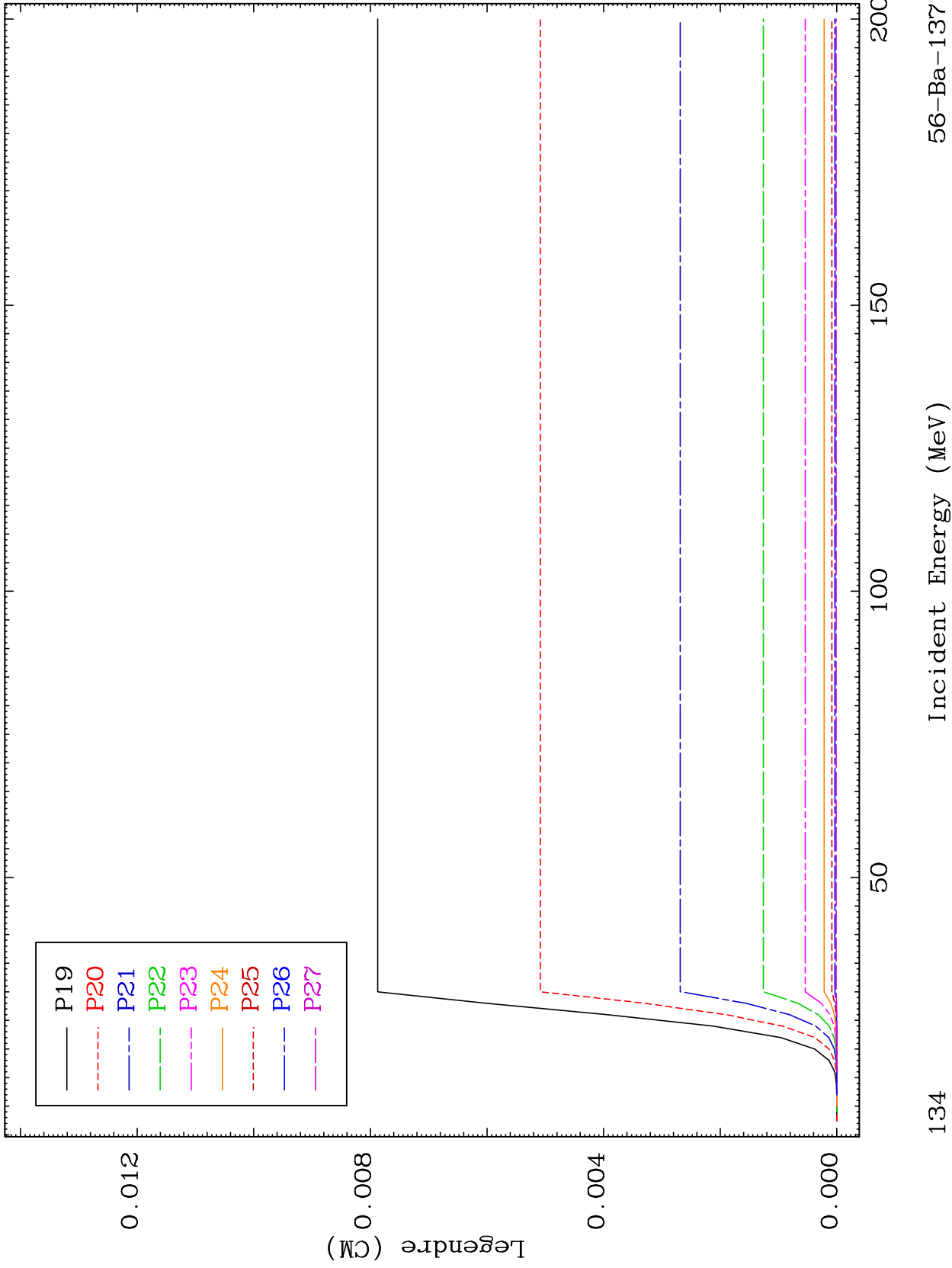
Incident Energy (MeV)

56-Ba-137

MAT 5646

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

56-Ba-137



134

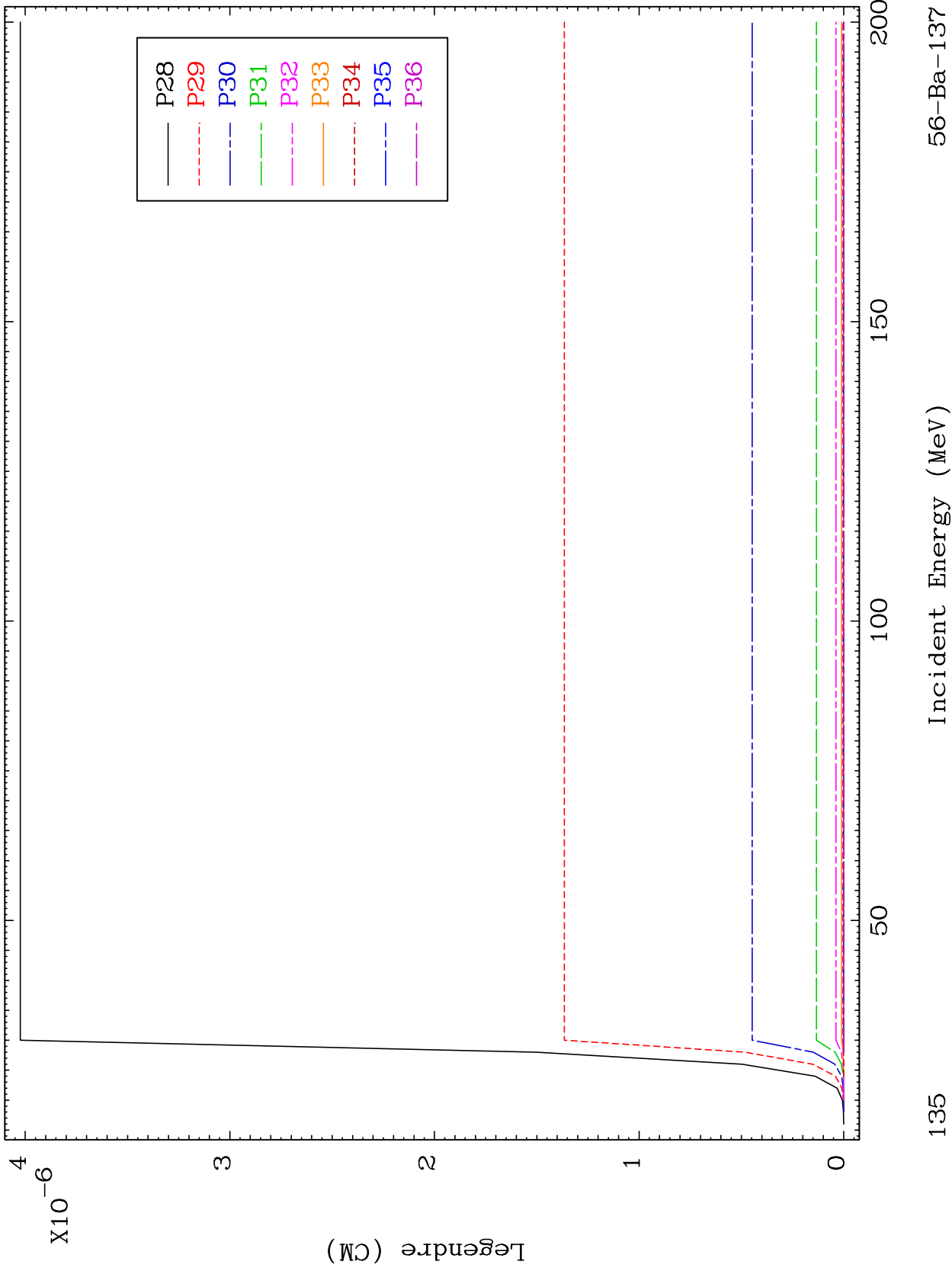
Incident Energy (MeV)

56-Ba-137

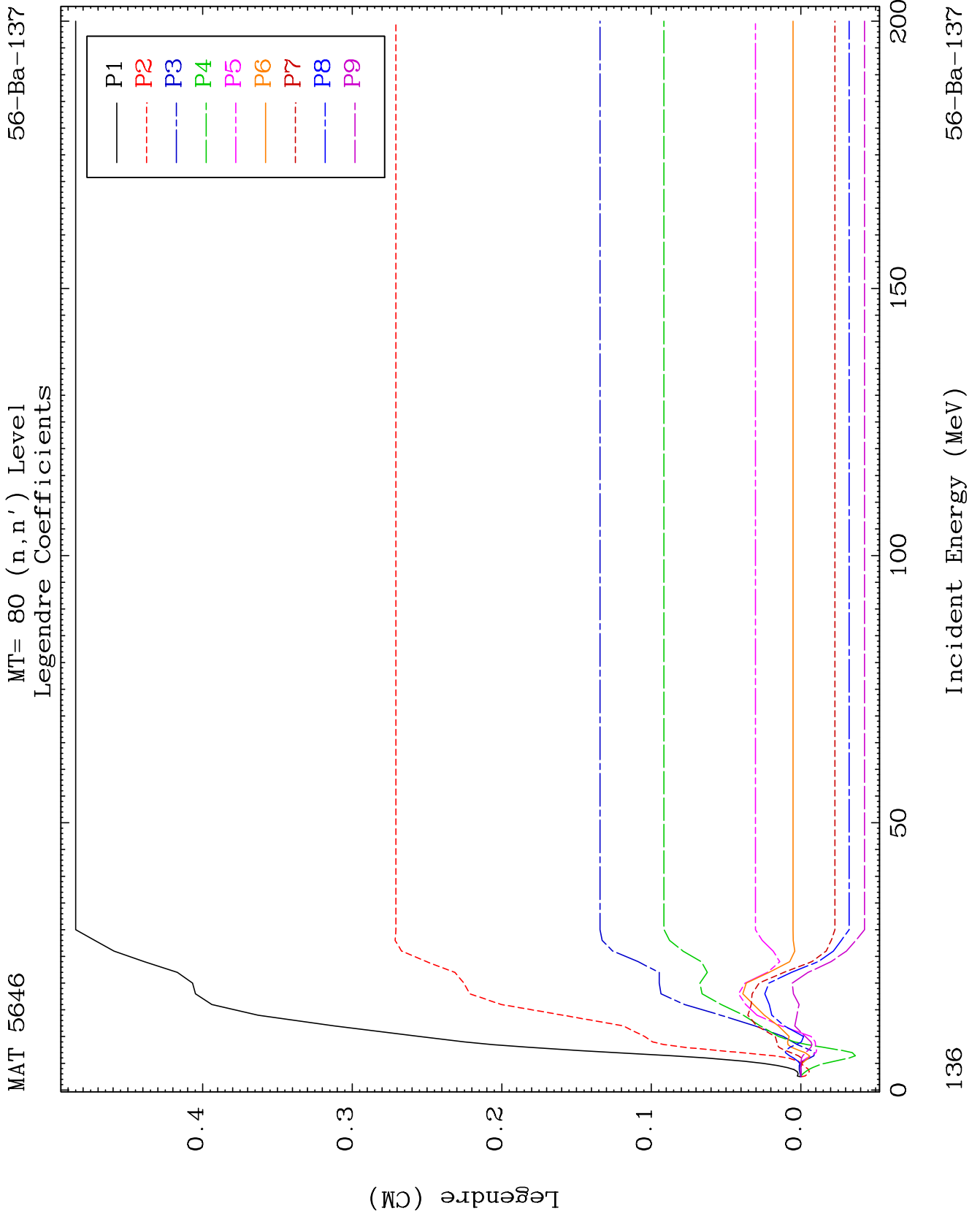
MAT 5646

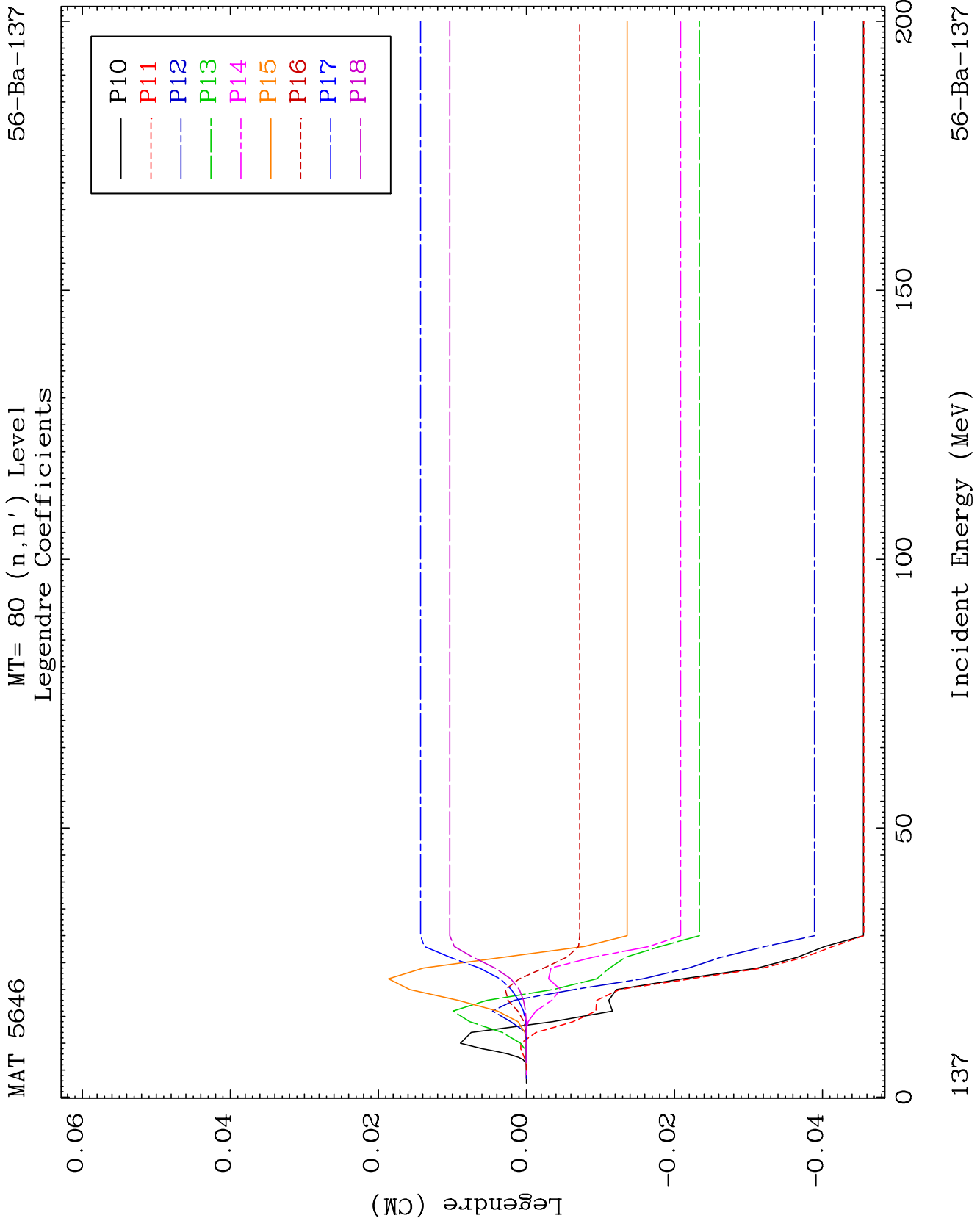
MT= 79 (n,n') Level  
Legendre Coefficients

56-Ba-137





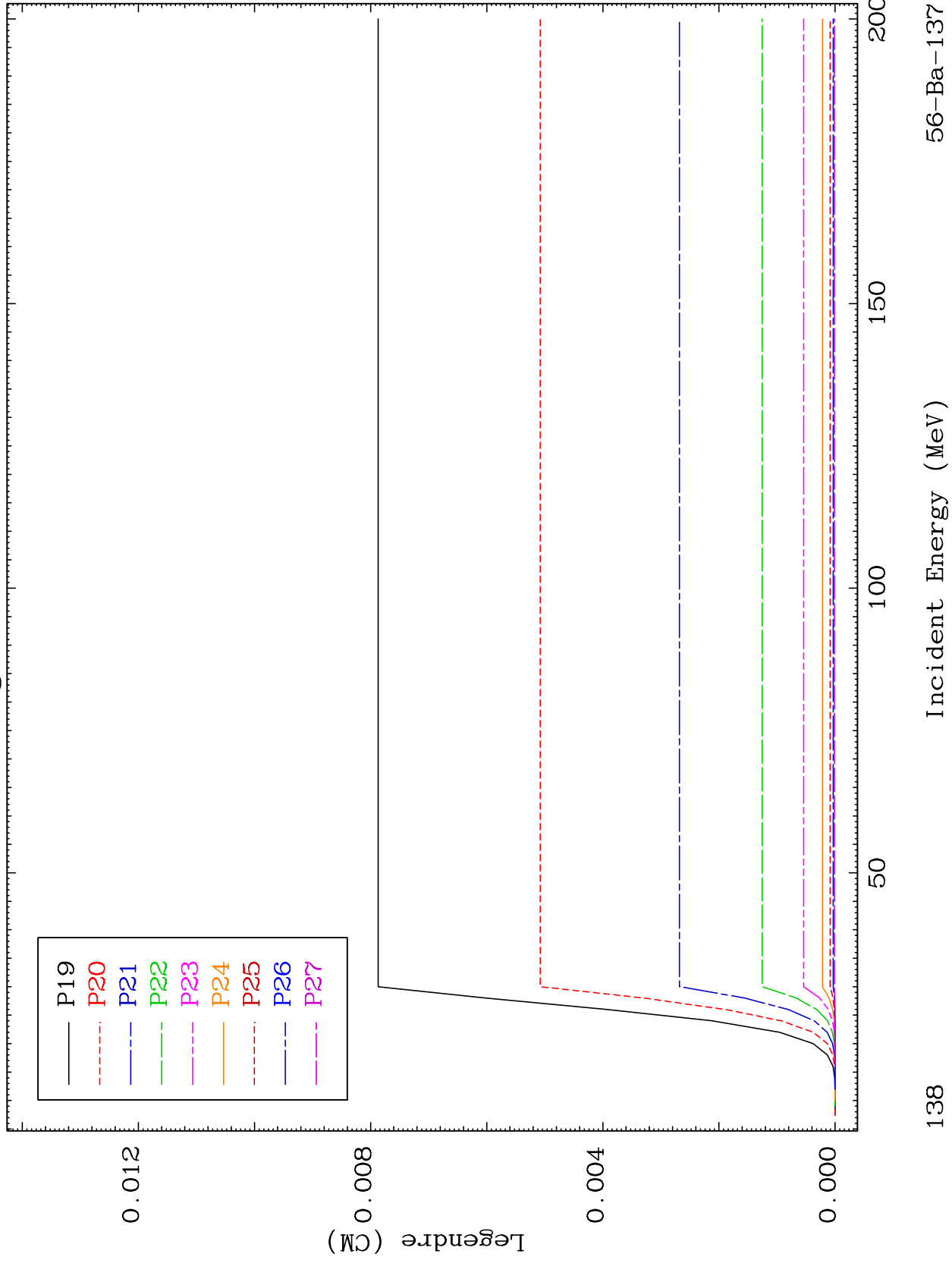




MAT 5646

MT= 80 (n,n') Level  
Legendre Coefficients

56-Ba-137



138

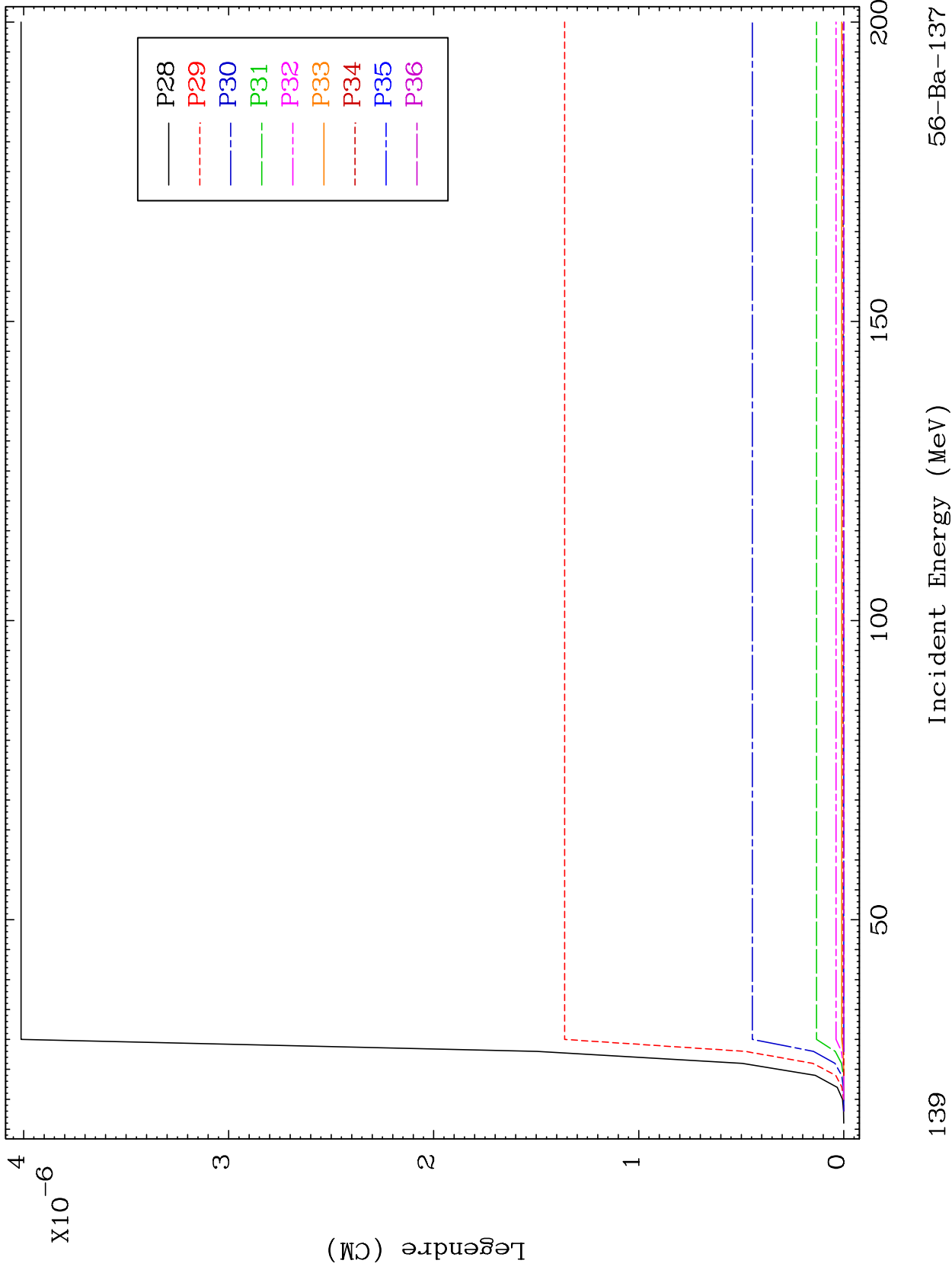
Incident Energy (MeV)

56-Ba-137

MAT 5646

MT= 80 (n,n') Level  
Legendre Coefficients

56-Ba-137



139

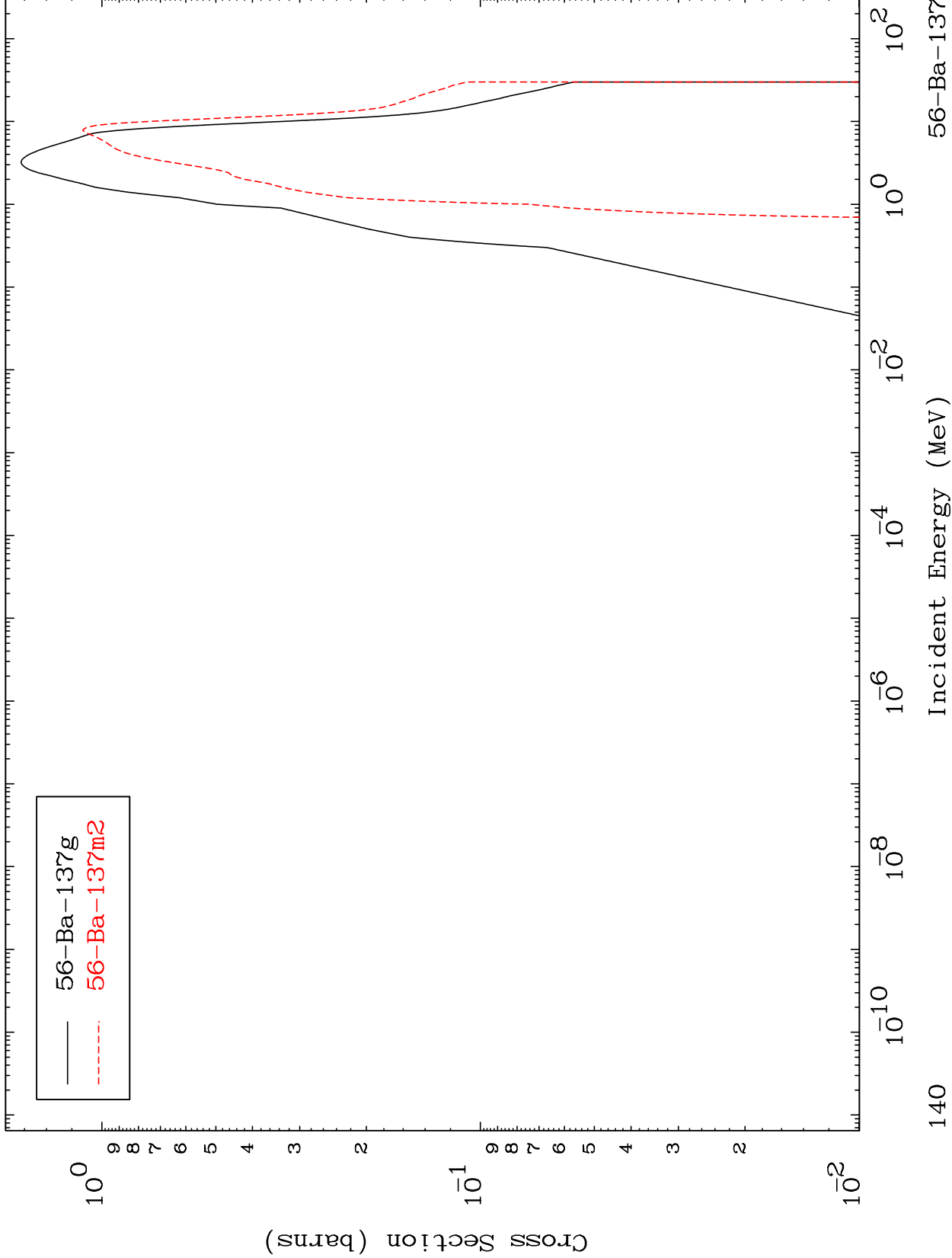
Incident Energy (MeV)

56-Ba-137

MAT 5646

Inelastic  
Radionuclide Production Cross Section

56-Ba-137

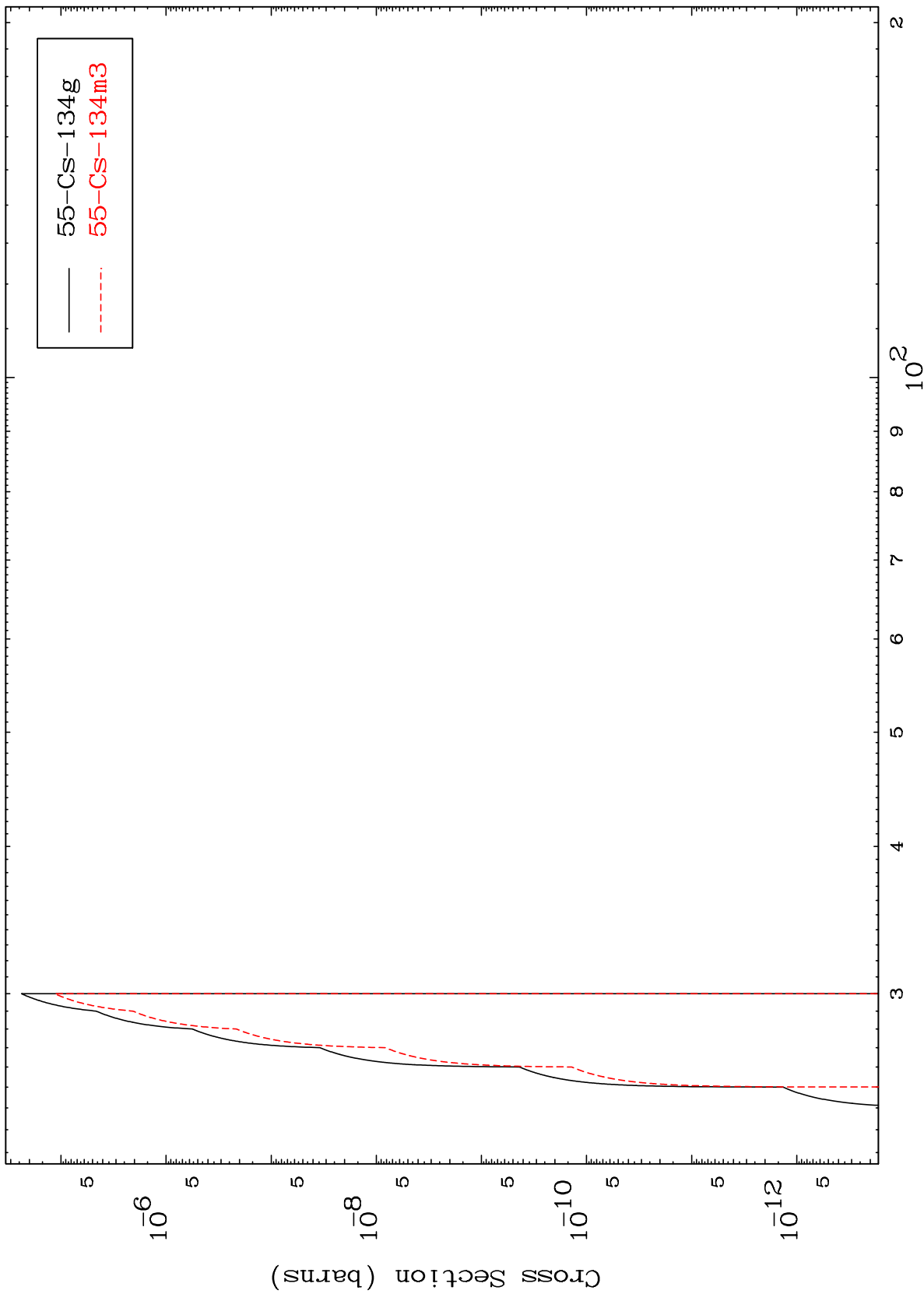


140

MAT 5646

56-Ba-137

(n,2n) d  
Radionuclide Production Cross Section



55-Cs-134g  
55-Cs-134m3

56-Ba-137

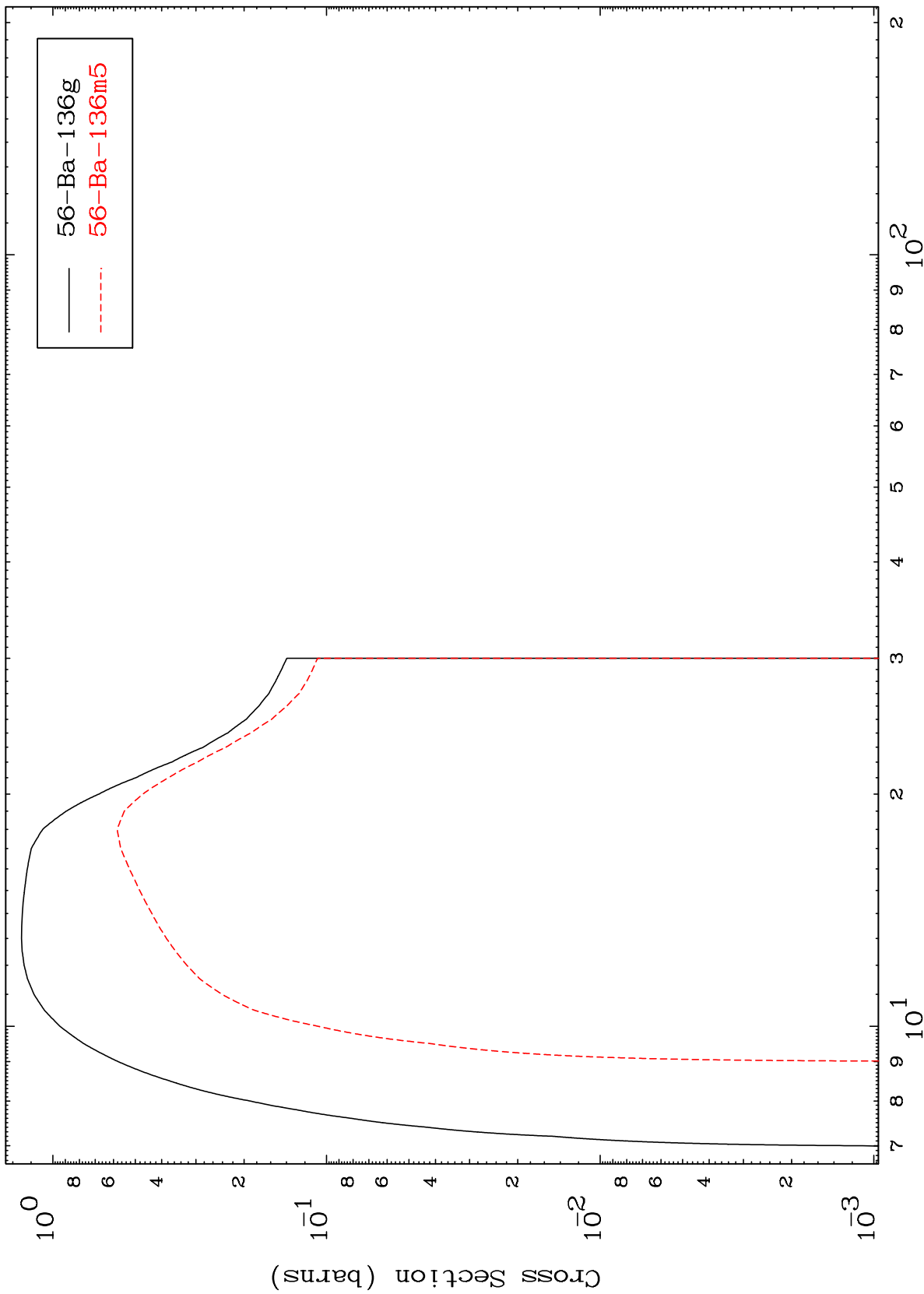
Incident Energy (MeV)

141

MAT 5646

56-Ba-137

(n,2n)  
Radionuclide Production Cross Section



56-Ba-137

Incident Energy (MeV)

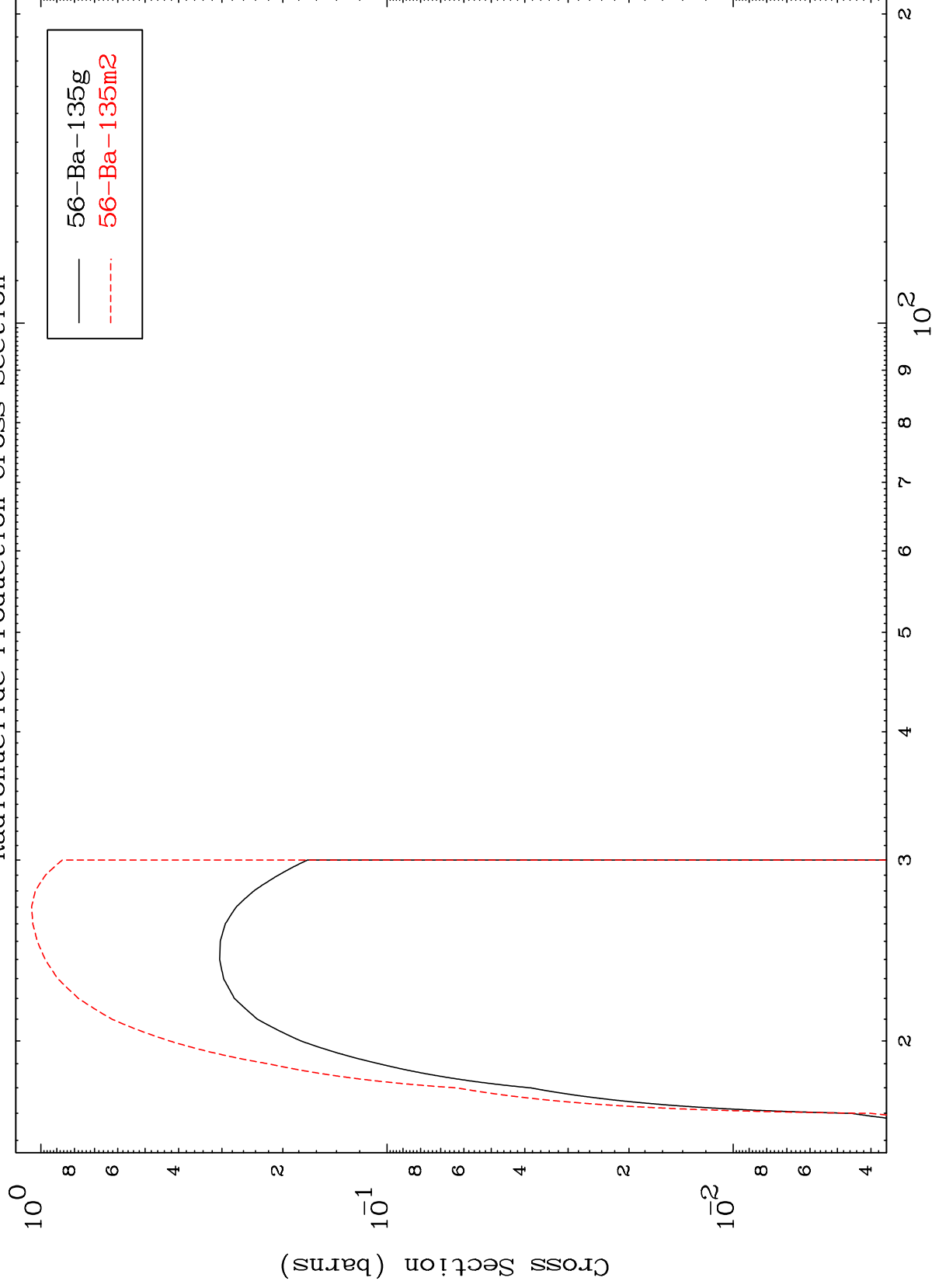
142

MAT 5646

(n,3n)

56-Ba-137

Radionuclide Production Cross Section



56-Ba-135g  
56-Ba-135m2

143

Incident Energy (MeV)

56-Ba-137

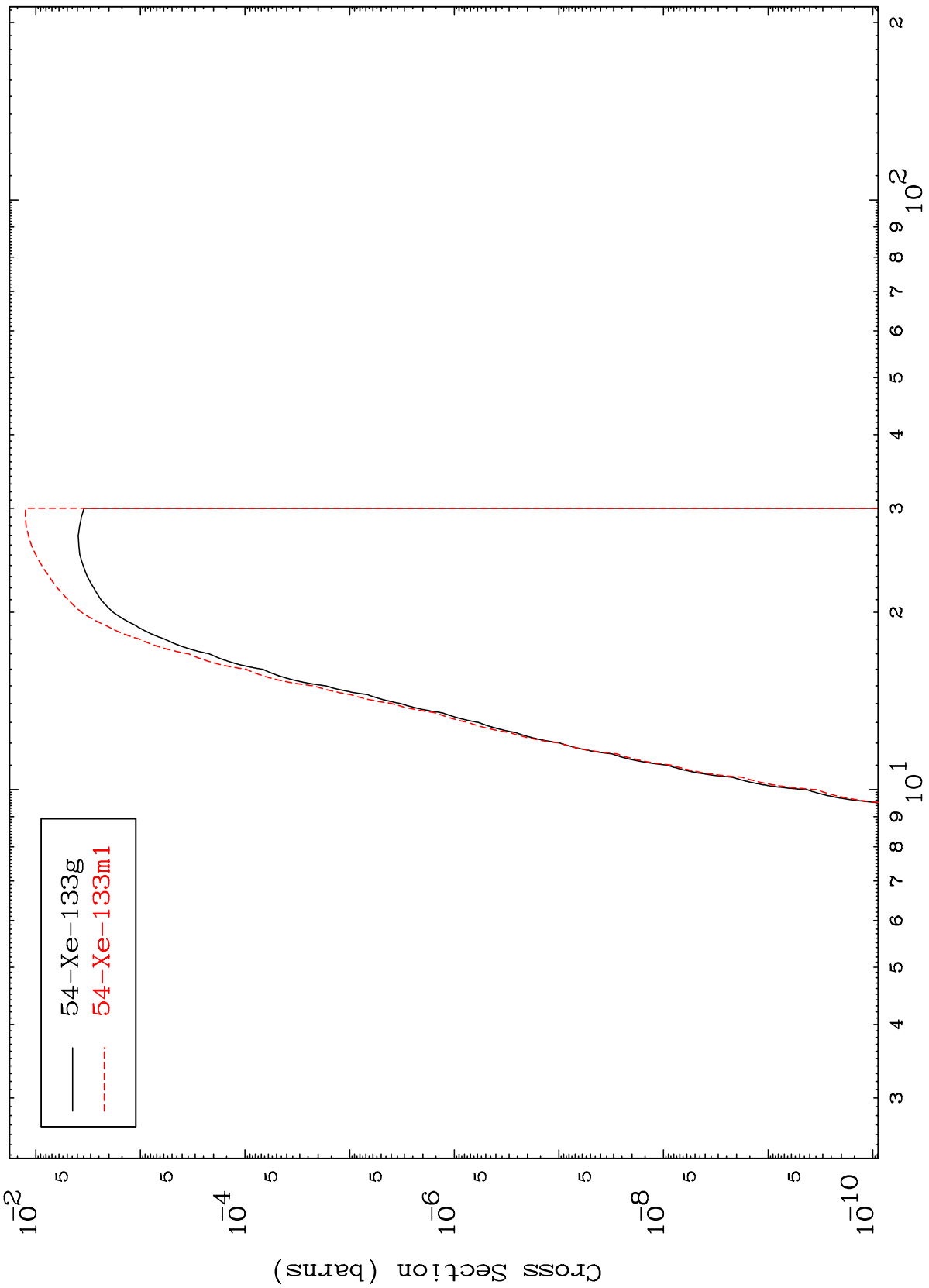


MAT 5646

56-Ba-137

(n,n')  $\alpha$

Radionuclide Production Cross Section

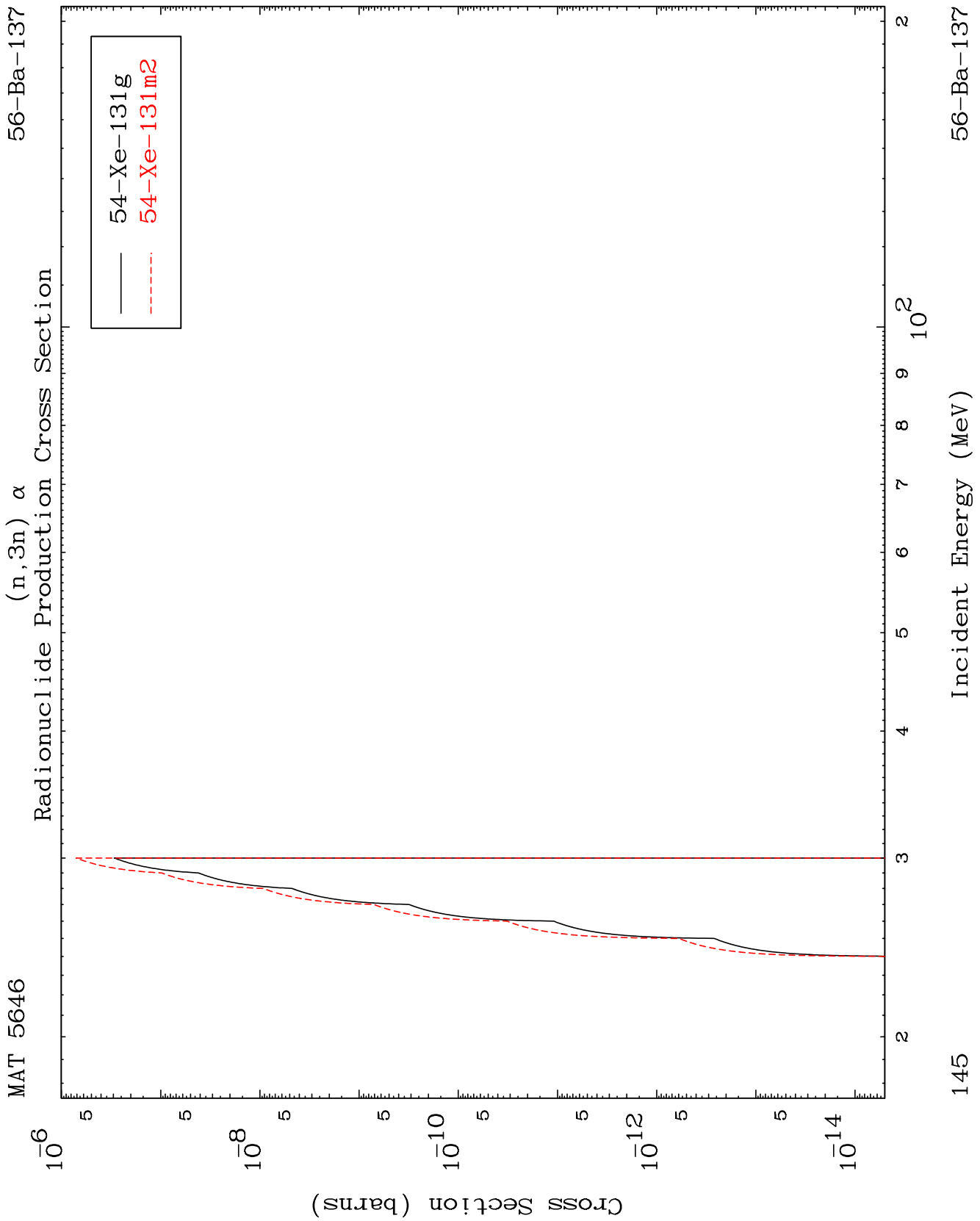


54-Xe-133g  
54-Xe-133m1

56-Ba-137

Incident Energy (MeV)

144

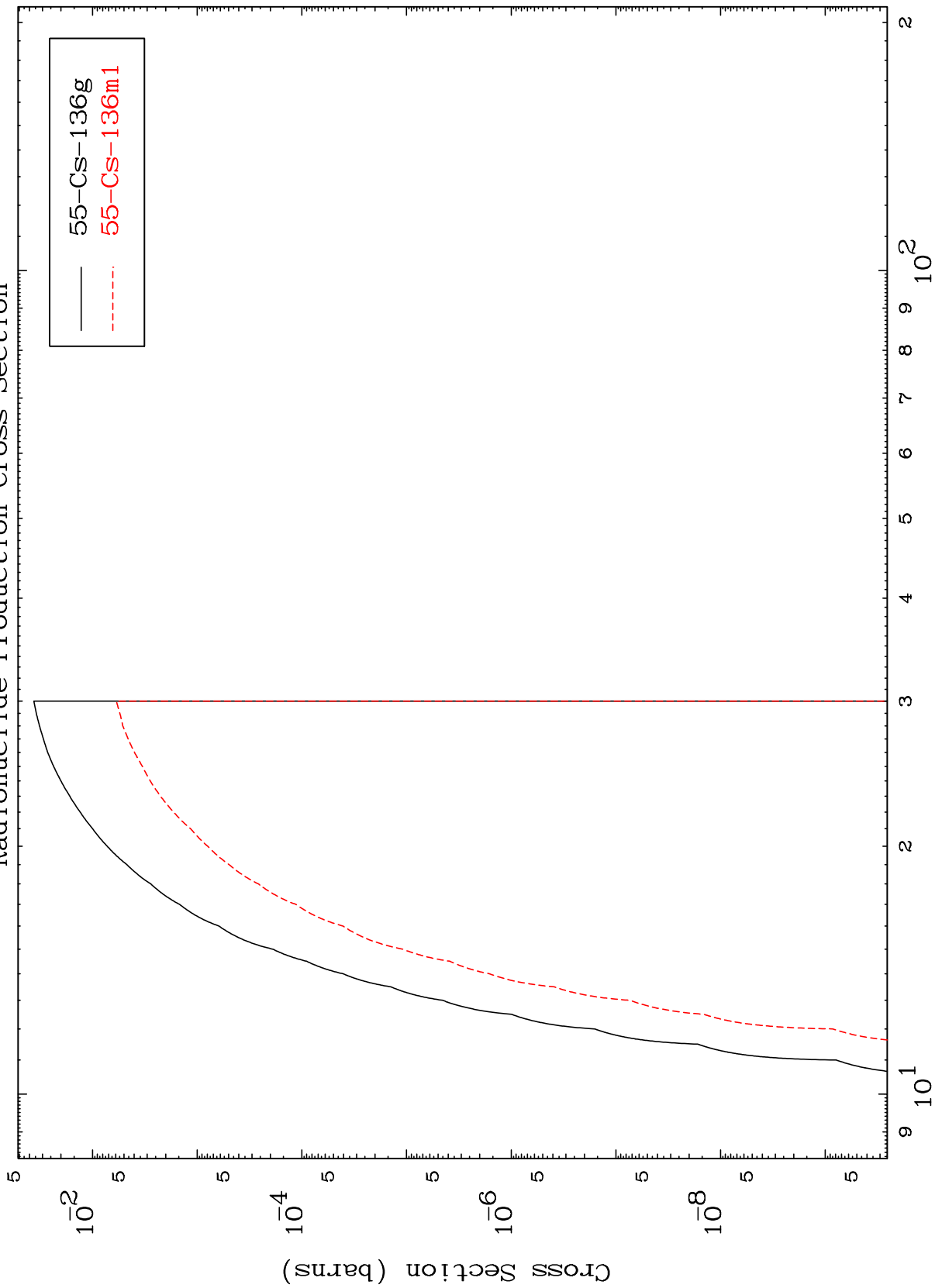


MAT 5646

(n,n') p

56-Ba-137

Radionuclide Production Cross Section



146

Incident Energy (MeV)

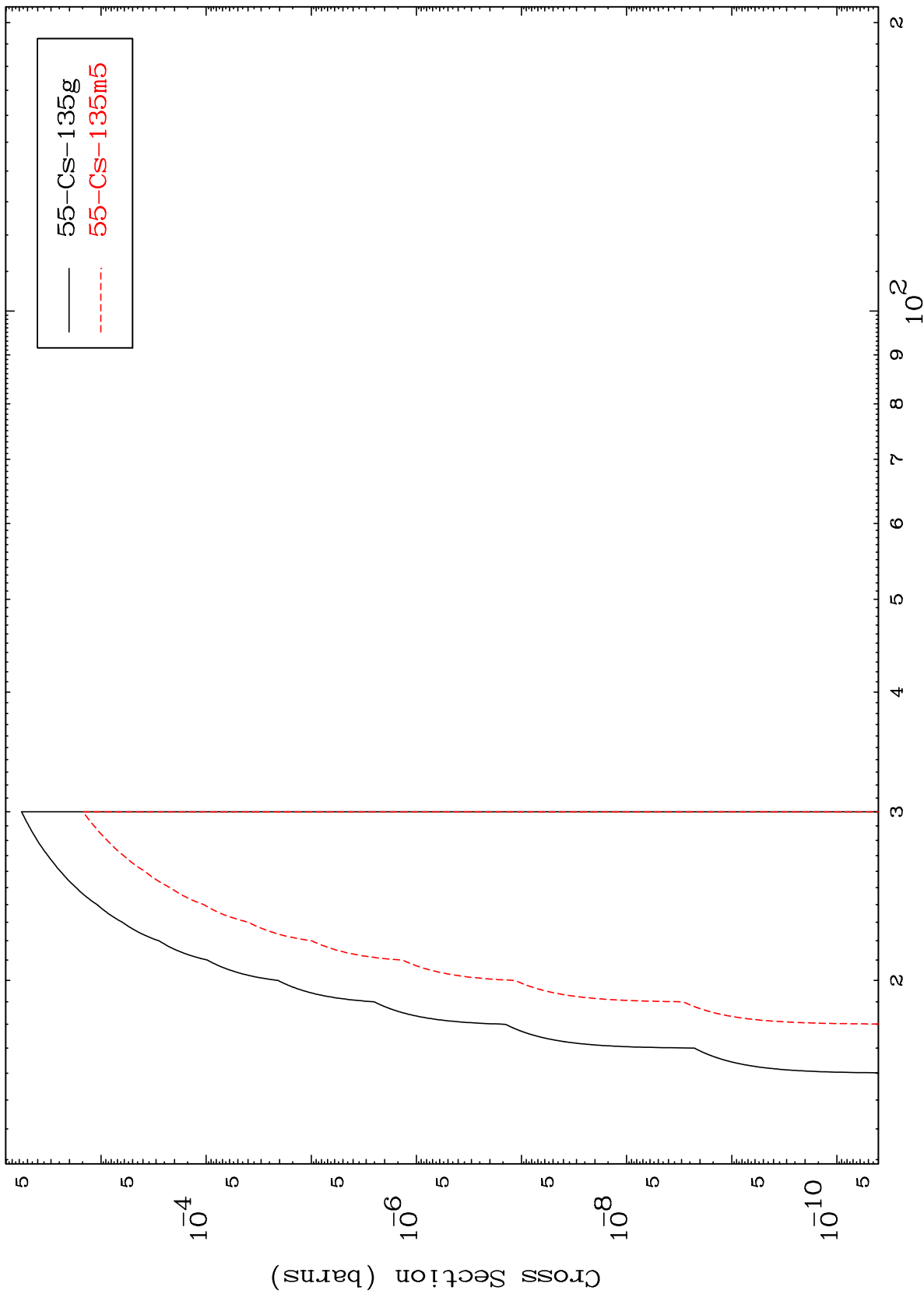
56-Ba-137

MAT 5646

(n,n') d

56-Ba-137

Radionuclide Production Cross Section



147

Incident Energy (MeV)

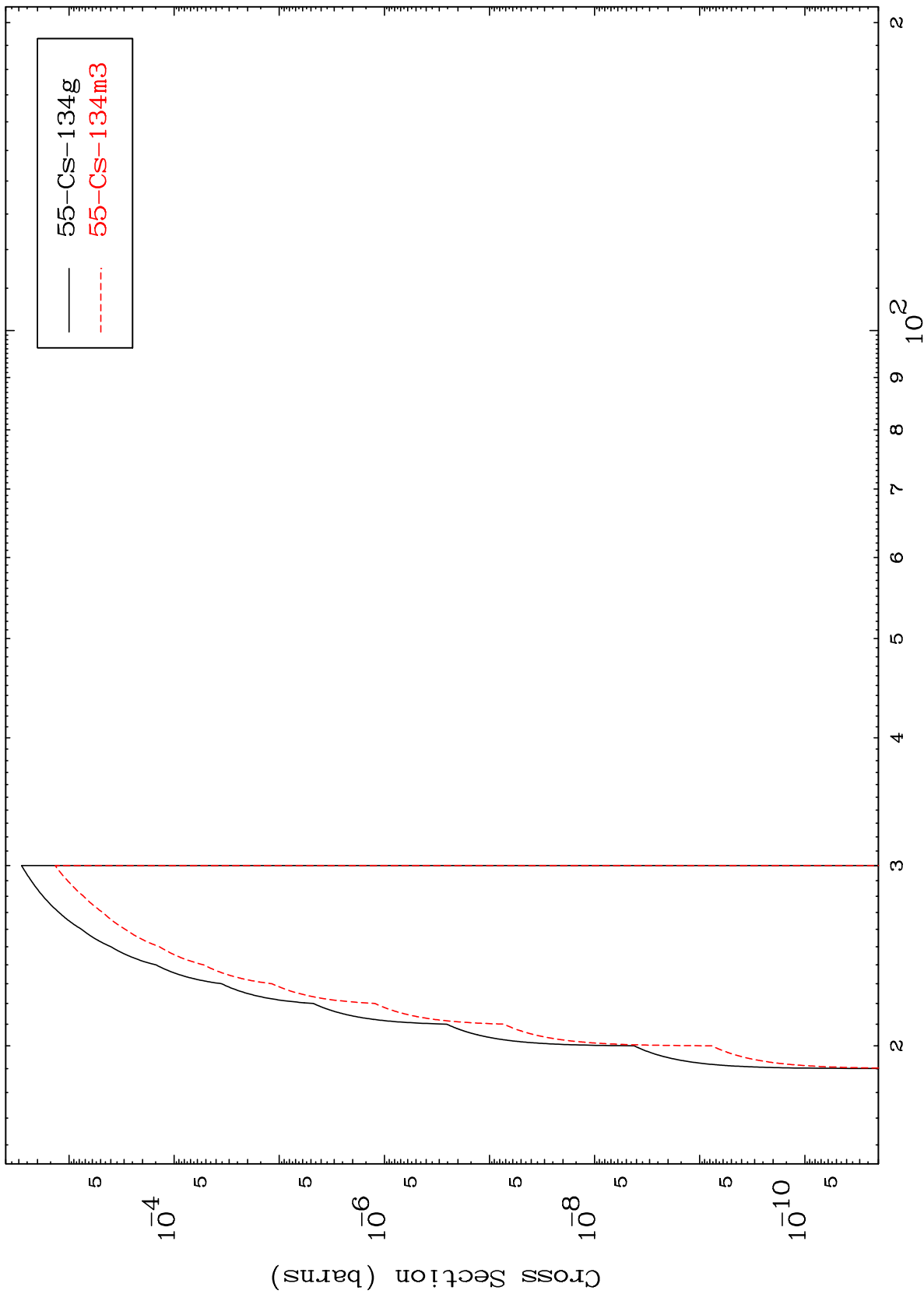
56-Ba-137

MAT 5646

(n,n') t

56-Ba-137

Radionuclide Production Cross Section



148

Incident Energy (MeV)

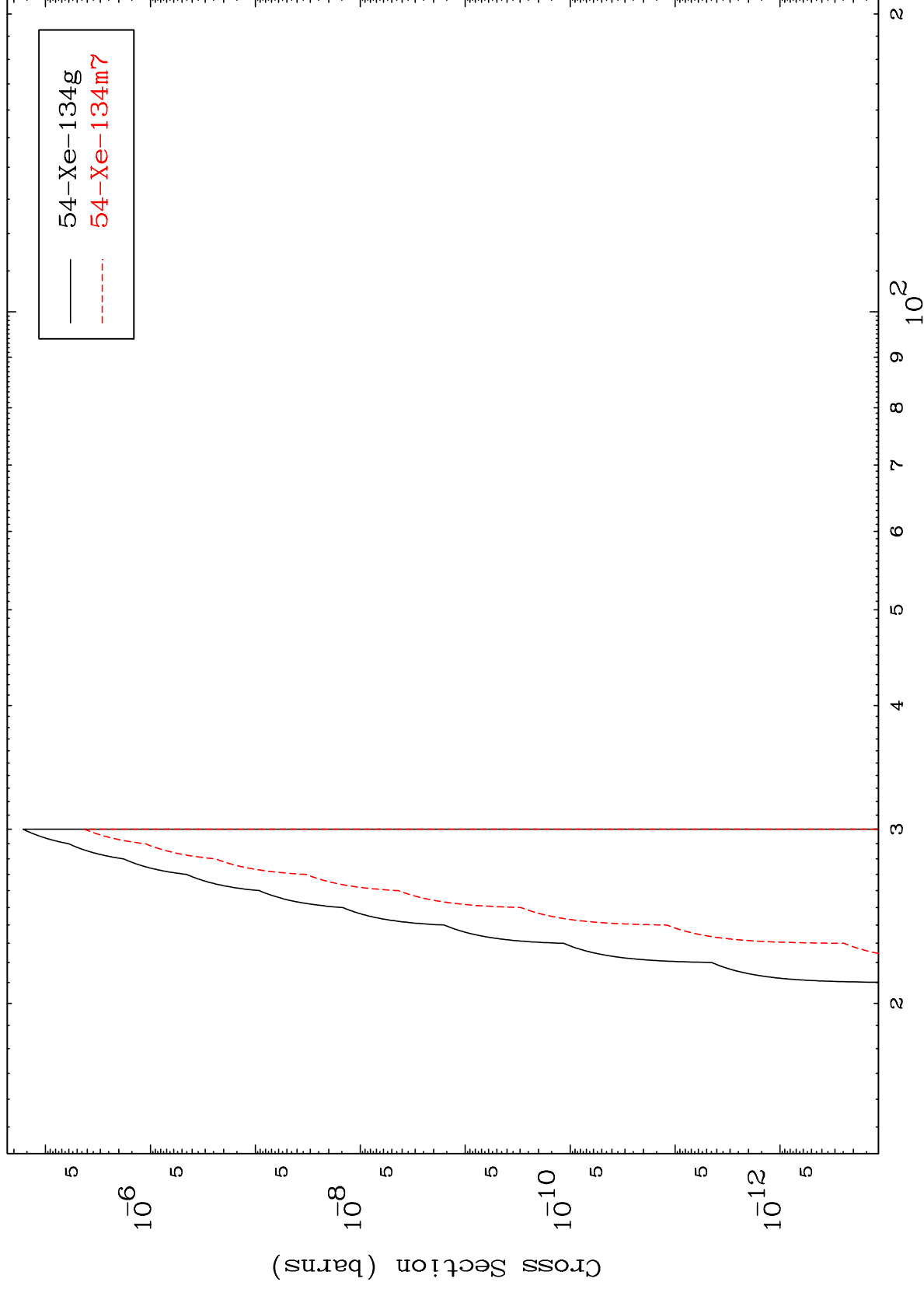
56-Ba-137

MAT 5646

(n,n') He-3

56-Ba-137

Radionuclide Production Cross Section



149

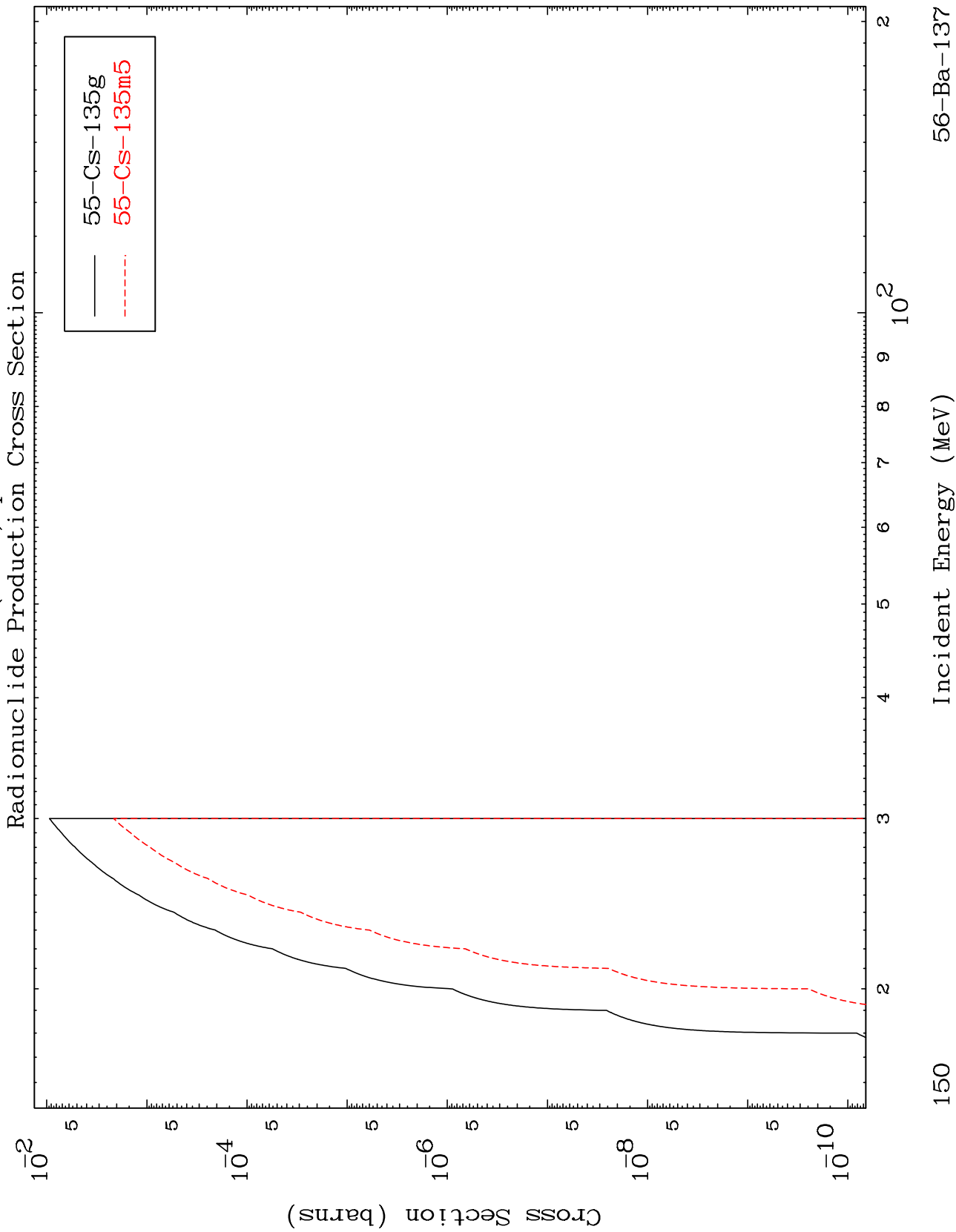
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,2n) p

56-Ba-137



150

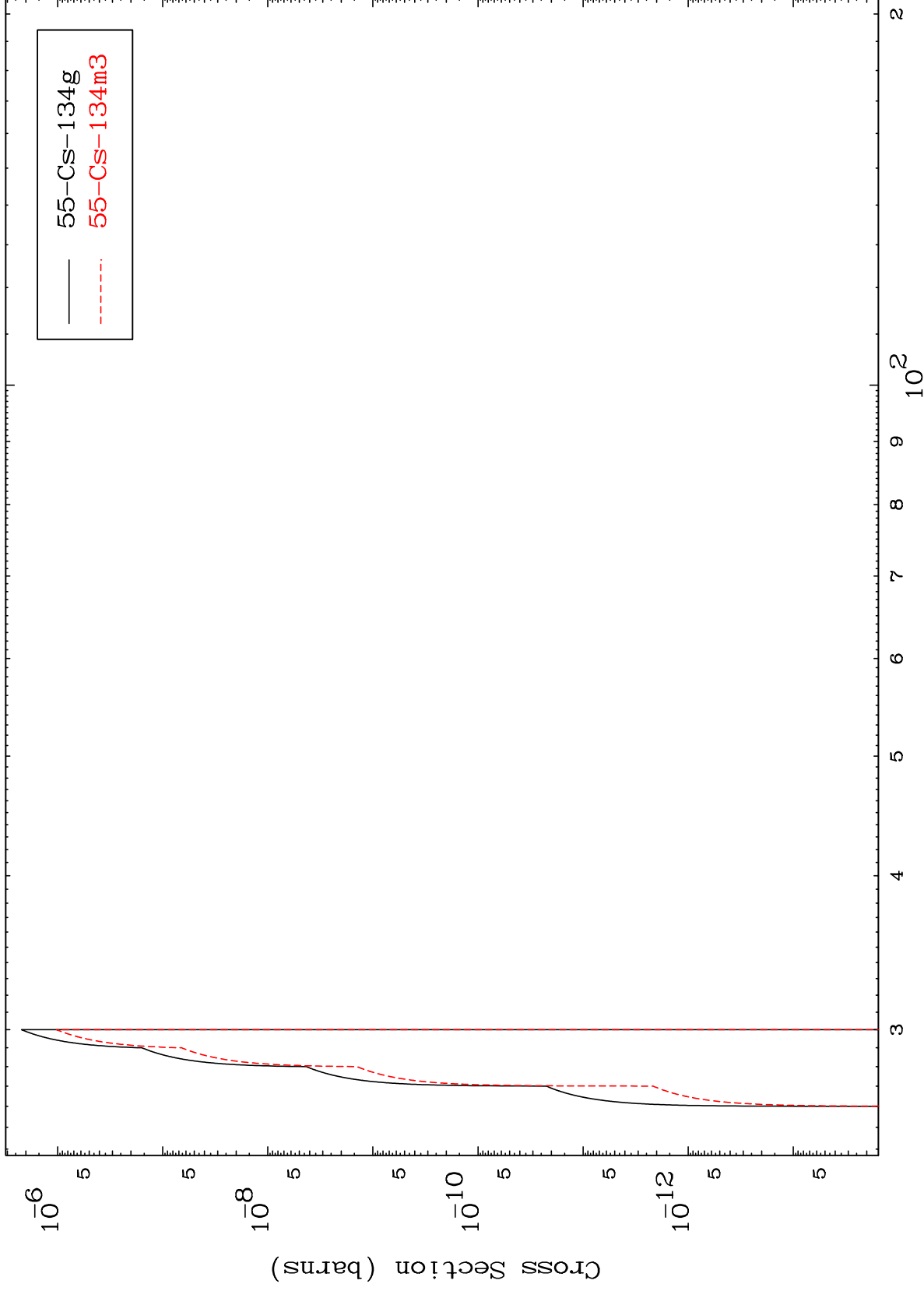
56-Ba-137

MAT 5646

(n,3n) p

56-Ba-137

Radionuclide Production Cross Section



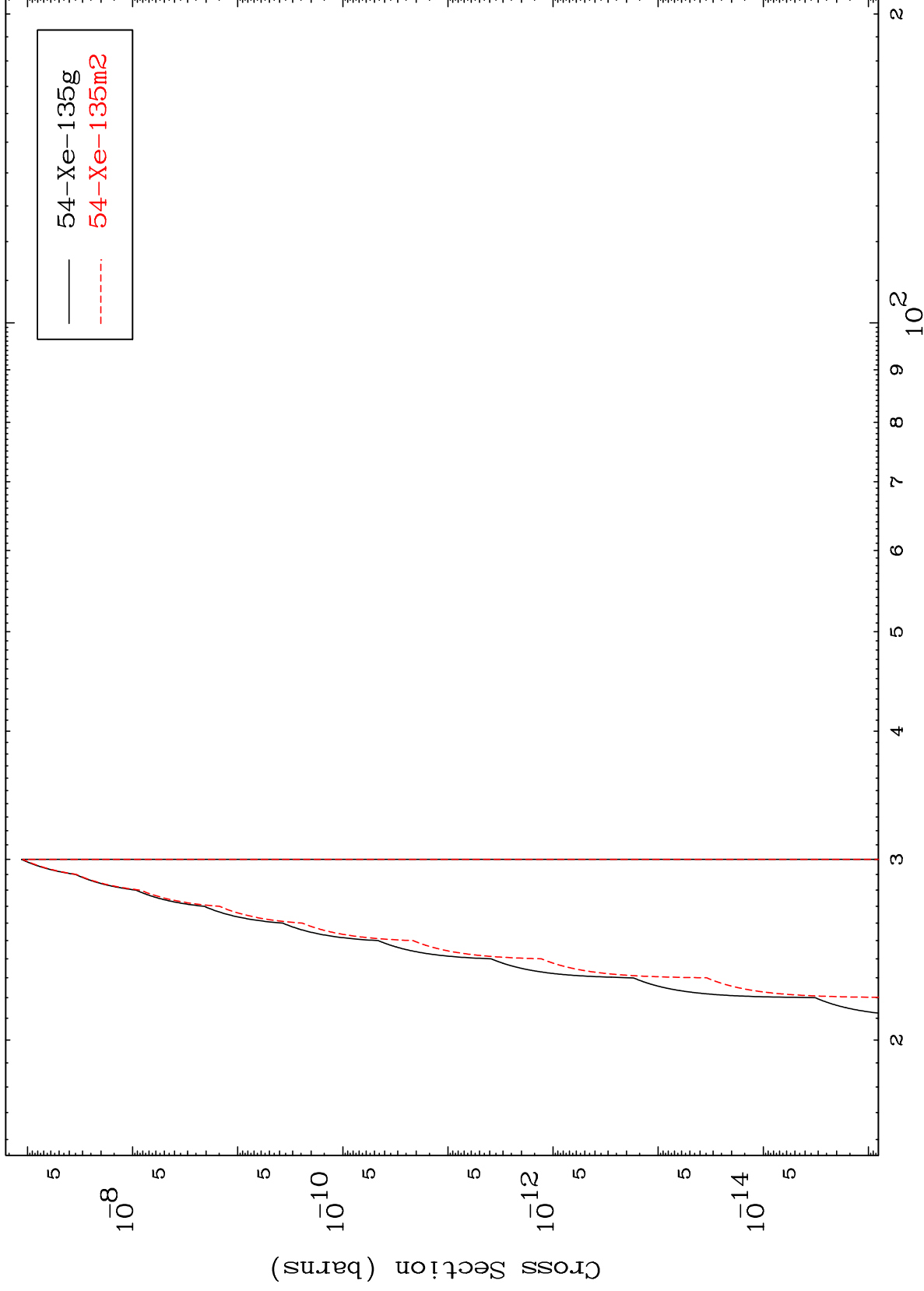
151

Incident Energy (MeV)

56-Ba-137



Radionuclide Production Cross Section

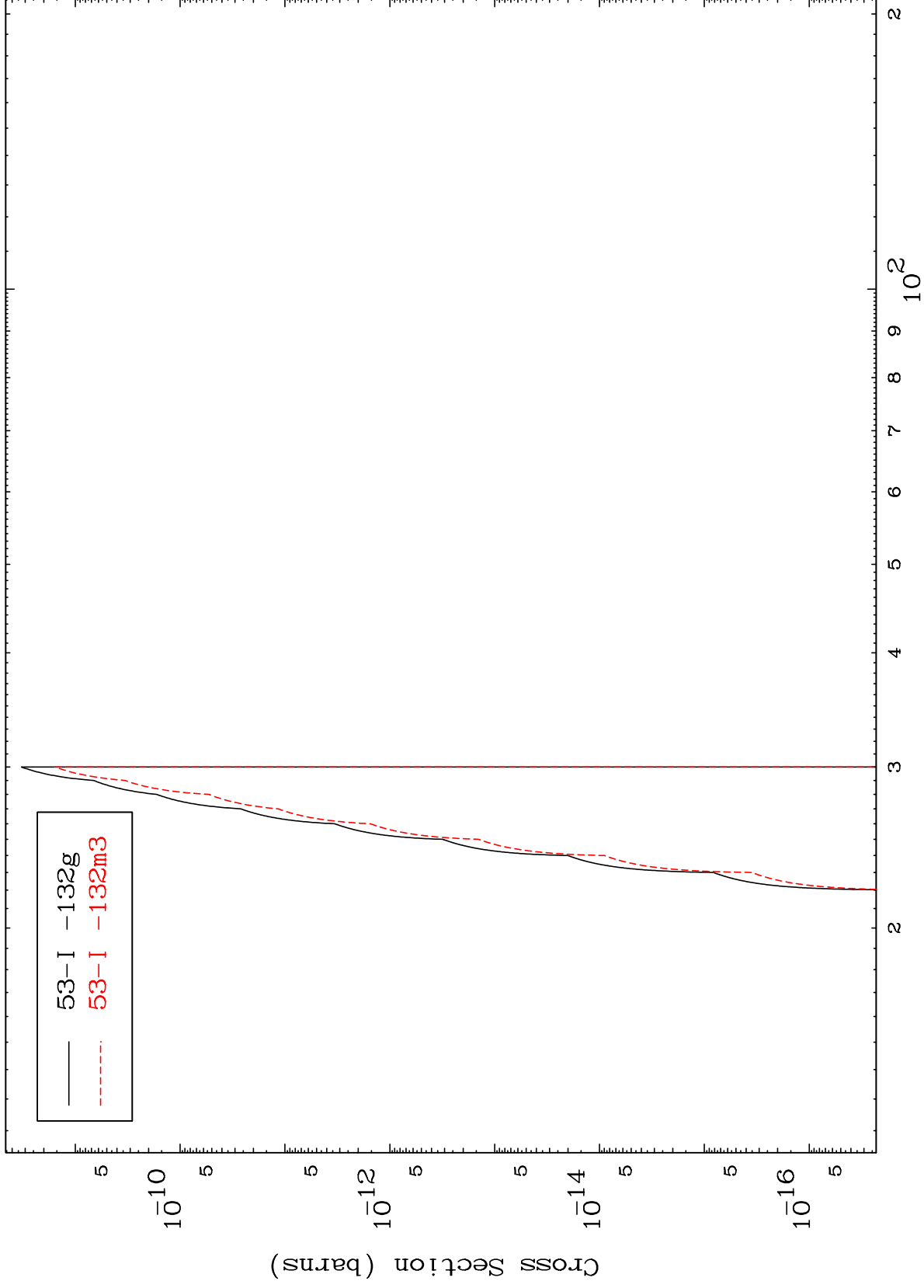


MAT 5646

(n,n') p  $\alpha$

56-Ba-137

Radionuclide Production Cross Section



153

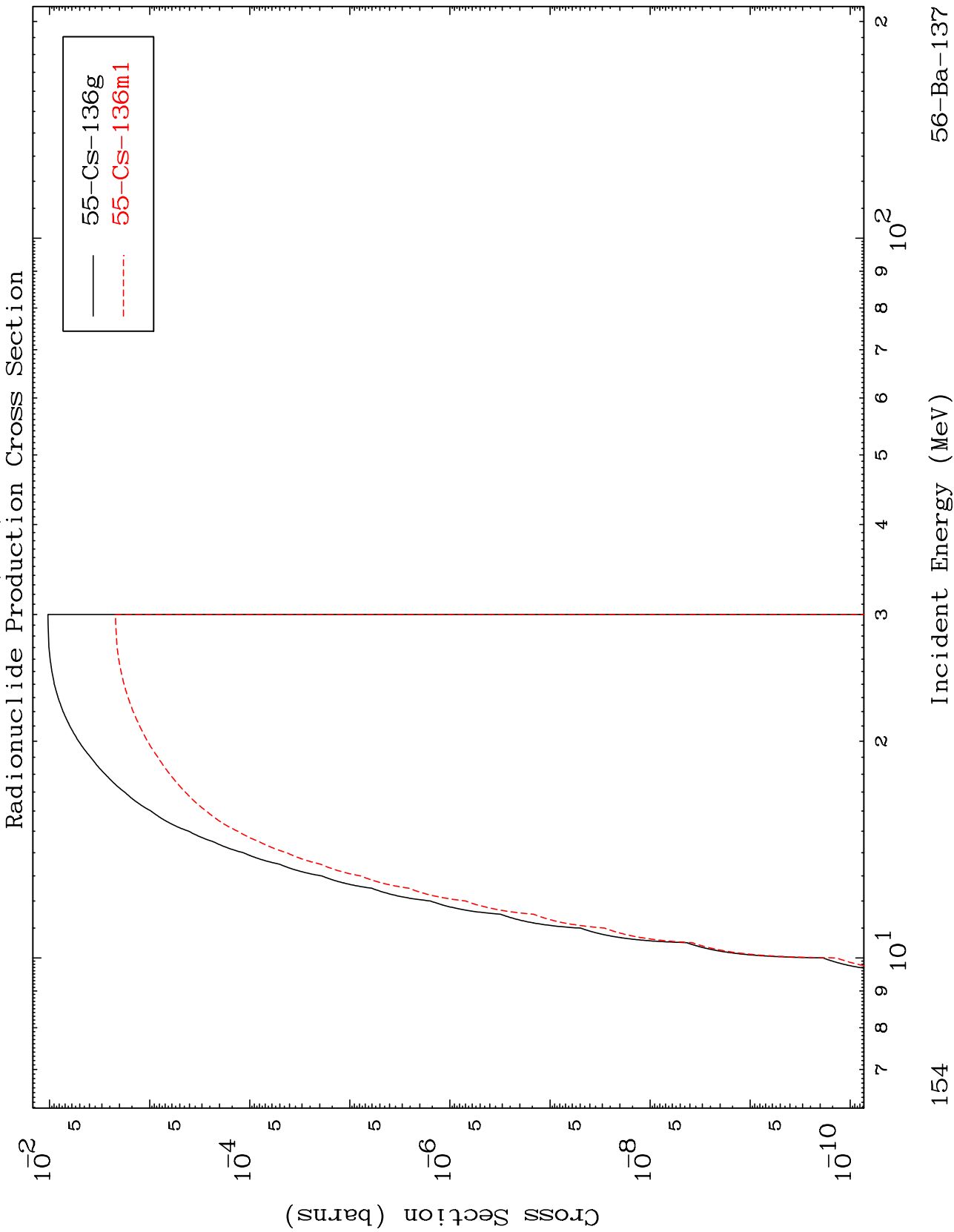
Incident Energy (MeV)

56-Ba-137

MAT 5646

(n,d)

56-Ba-137



154

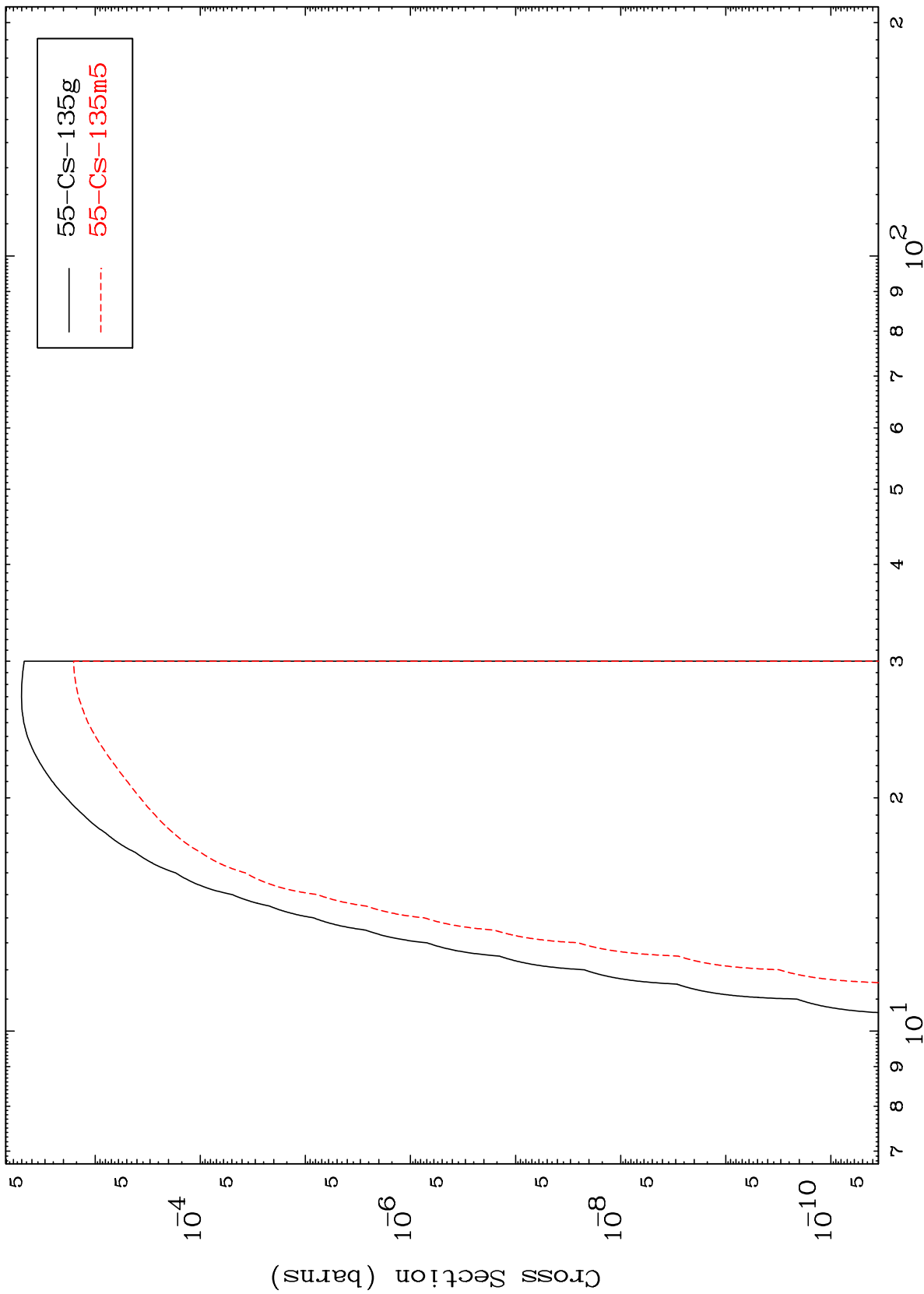
Incident Energy (MeV)

56-Ba-137

MAT 5646

56-Ba-137

(n, t)  
Radionuclide Production Cross Section



56-Ba-137

Incident Energy (MeV)

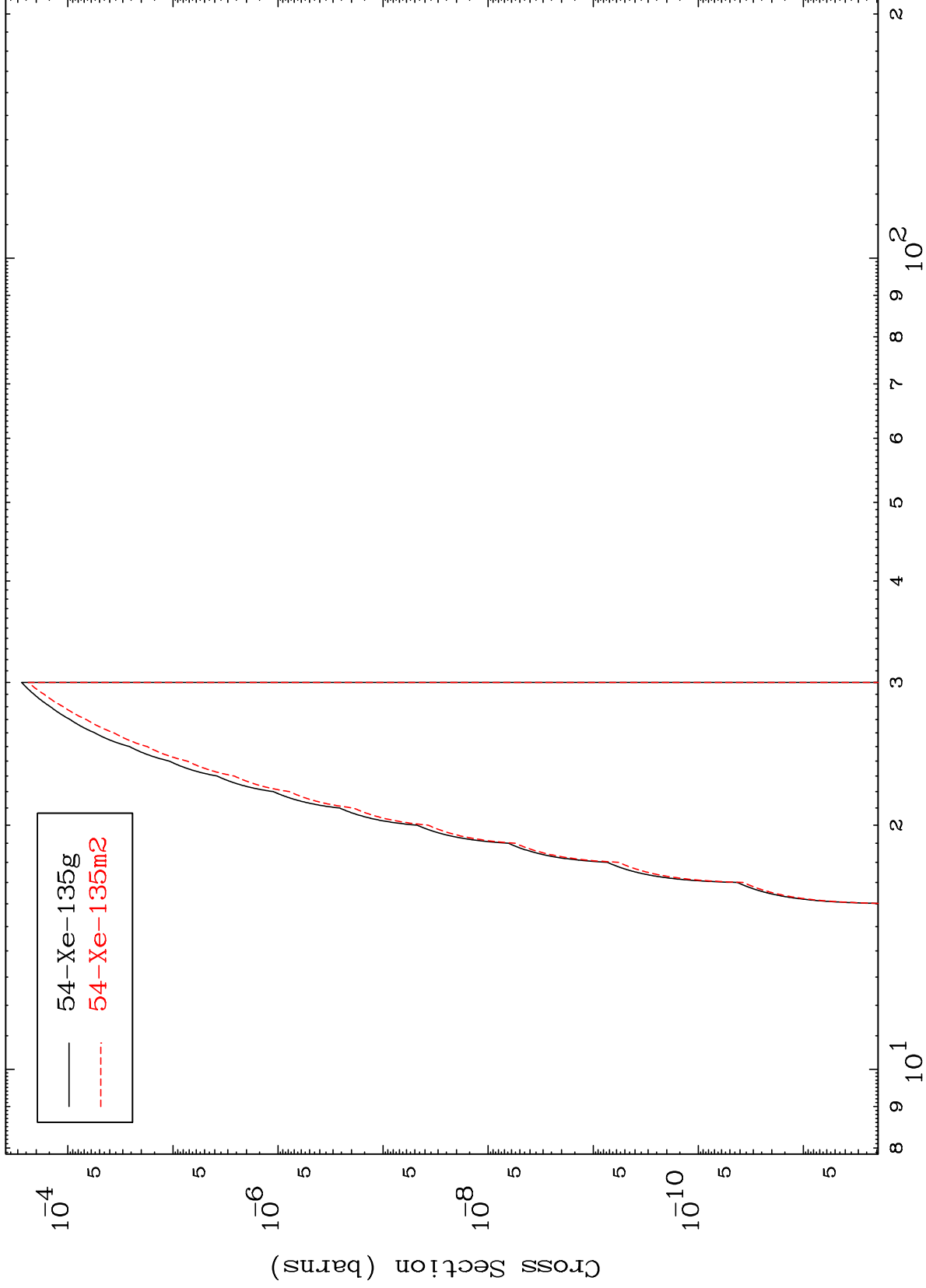
155

MAT 5646

(n,He-3)

56-Ba-137

Radionuclide Production Cross Section



156

Incident Energy (MeV)

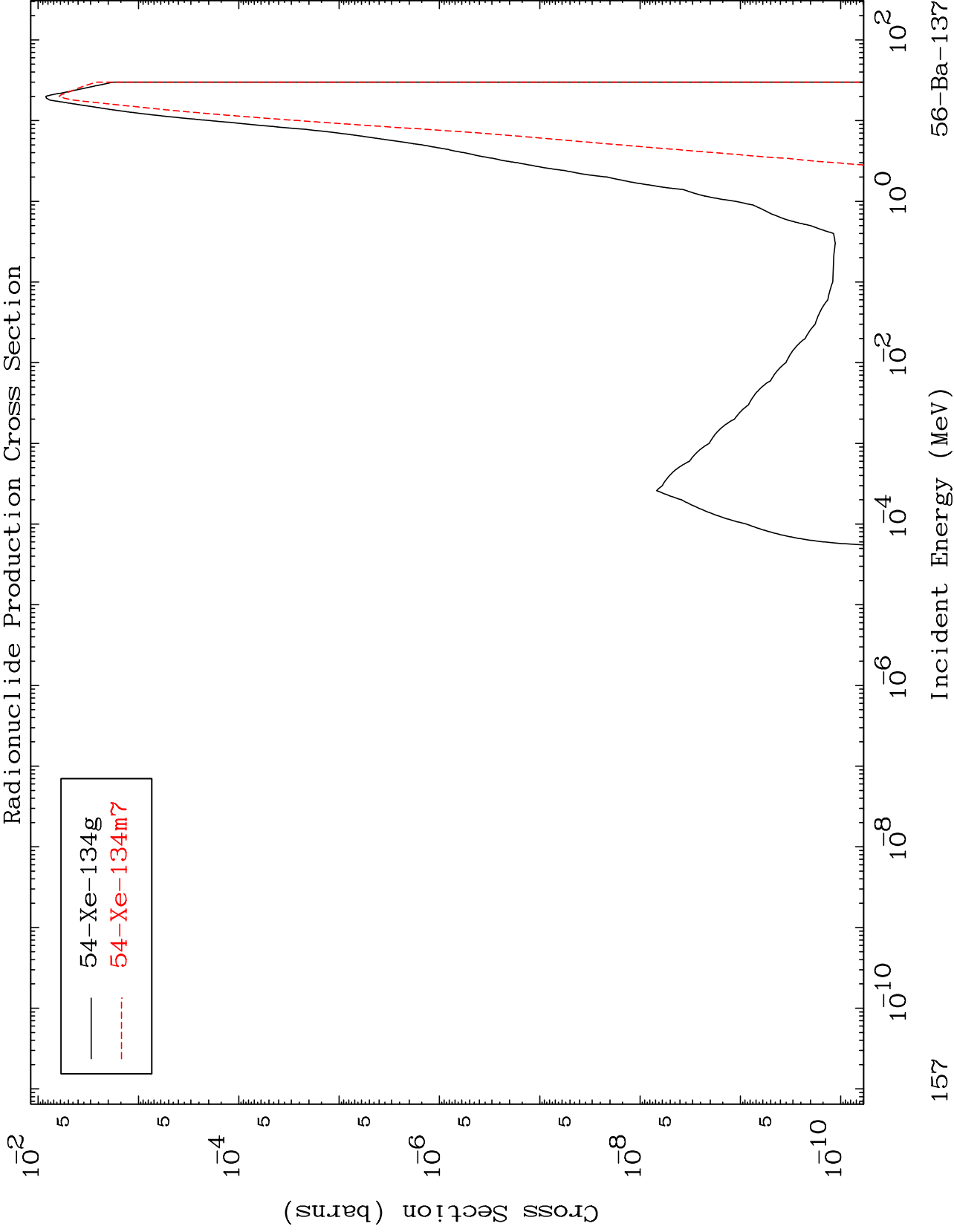
56-Ba-137

MAT 5646

(n,  $\alpha$ )

56-Ba-137

Radionuclide Production Cross Section



157

Incident Energy (MeV)

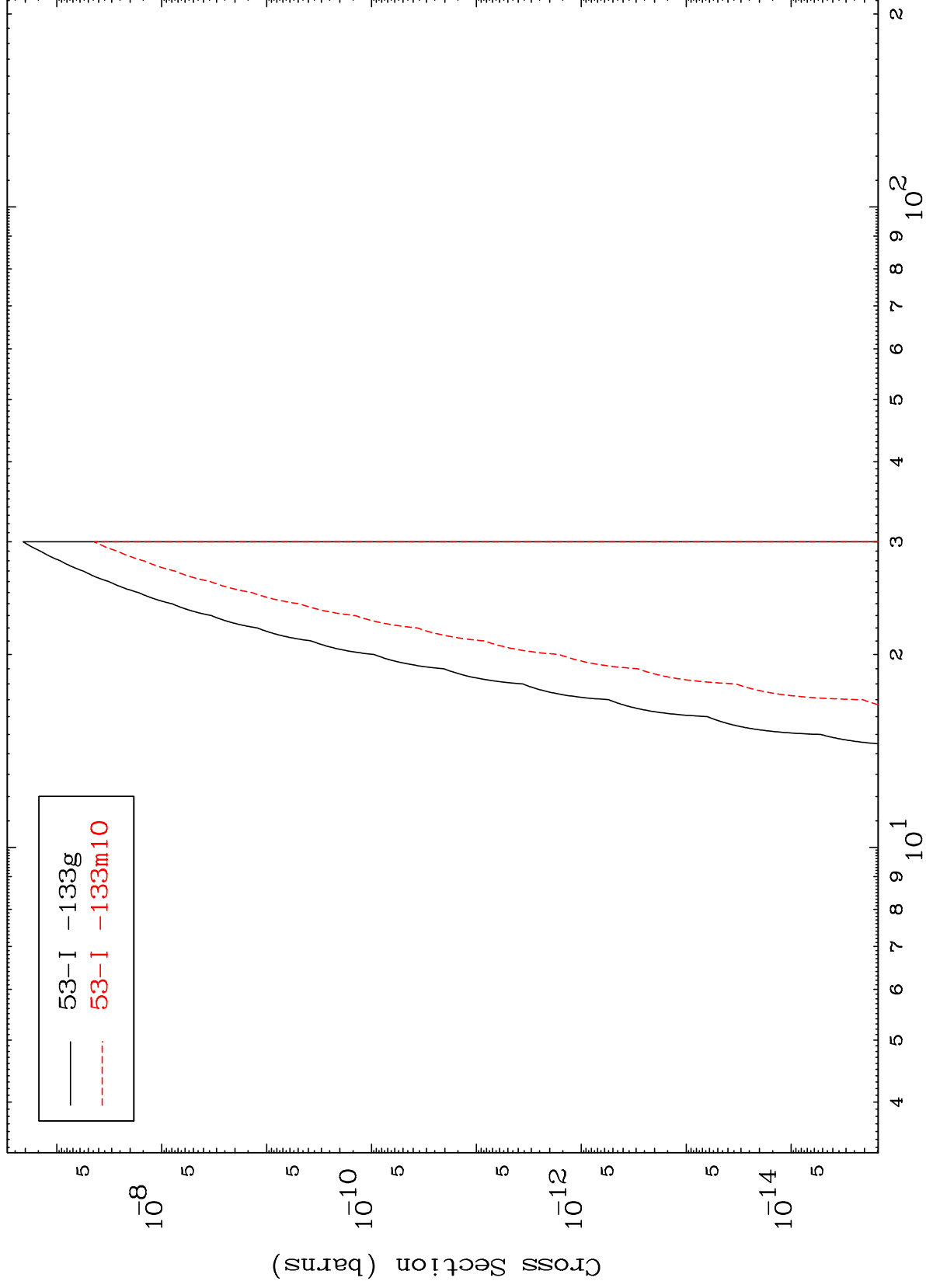
56-Ba-137

MAT 5646

(n,p)  $\alpha$

56-Ba-137

Radionuclide Production Cross Section



158

Incident Energy (MeV)

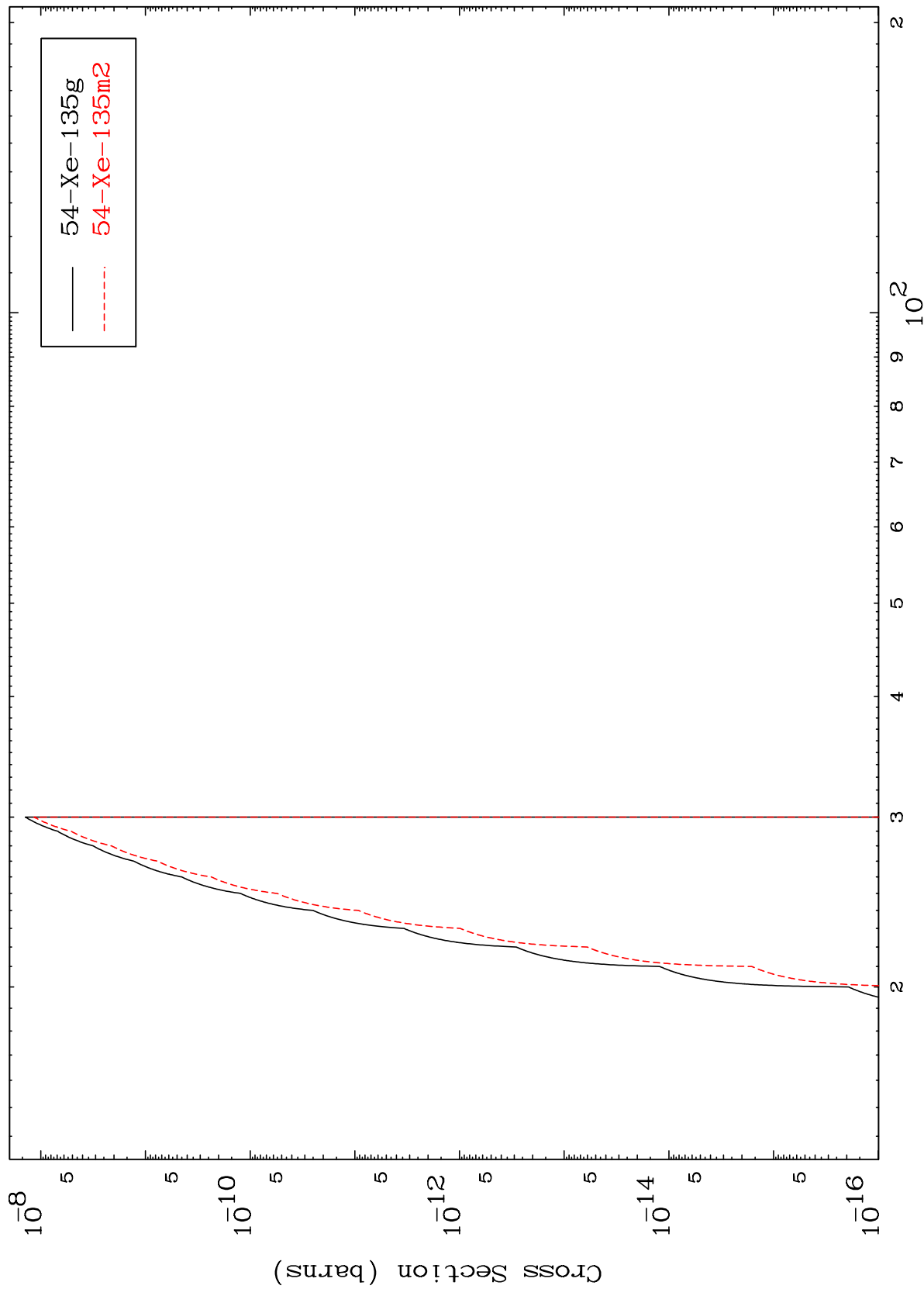
56-Ba-137

MAT 5646

(n,p) d

56-Ba-137

Radionuclide Production Cross Section



159

Incident Energy (MeV)

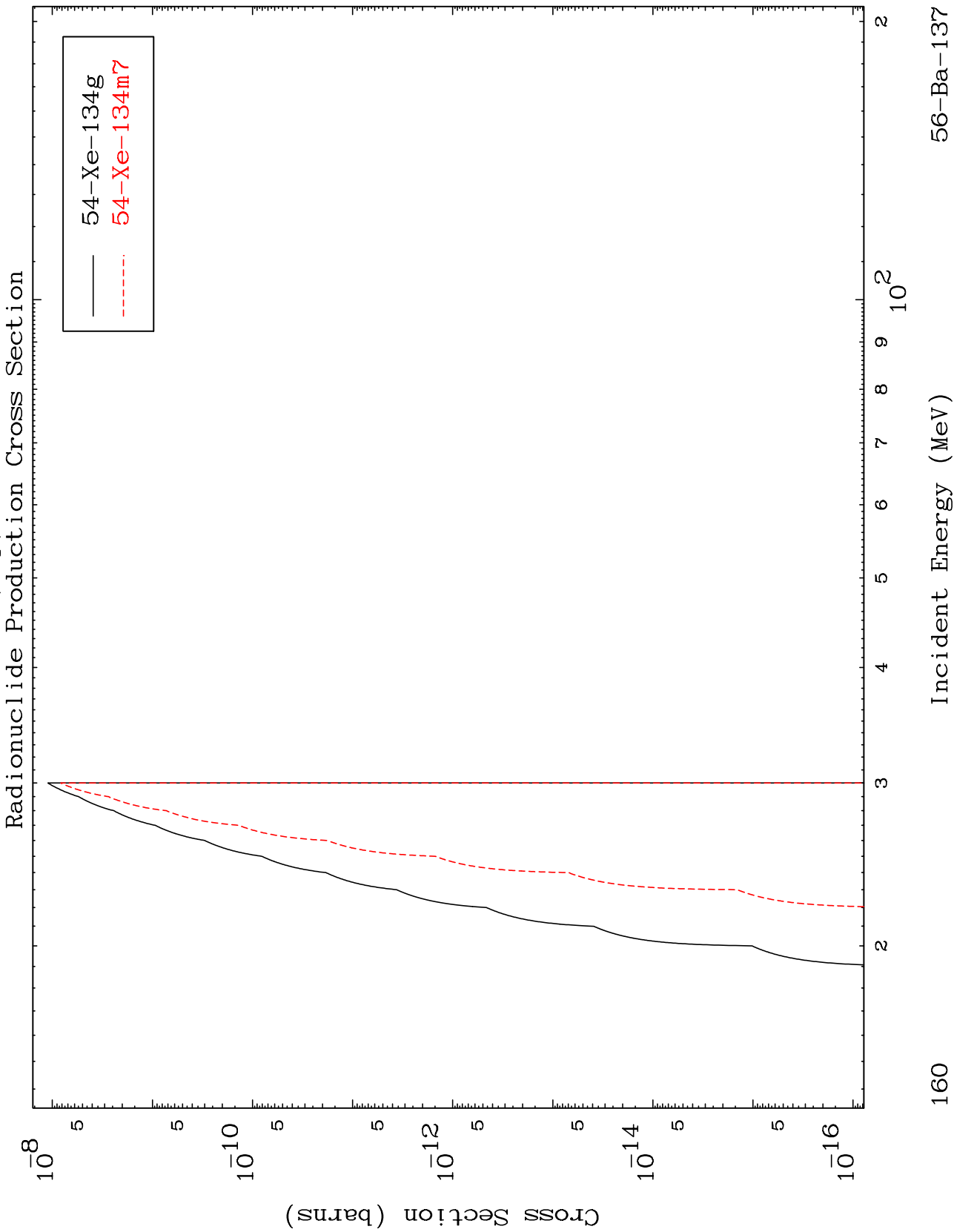
56-Ba-137



MAT 5646

(n,p) t

56-Ba-137



160

56-Ba-137