

Program EVALPLOT  
(Version 2018-1)

by

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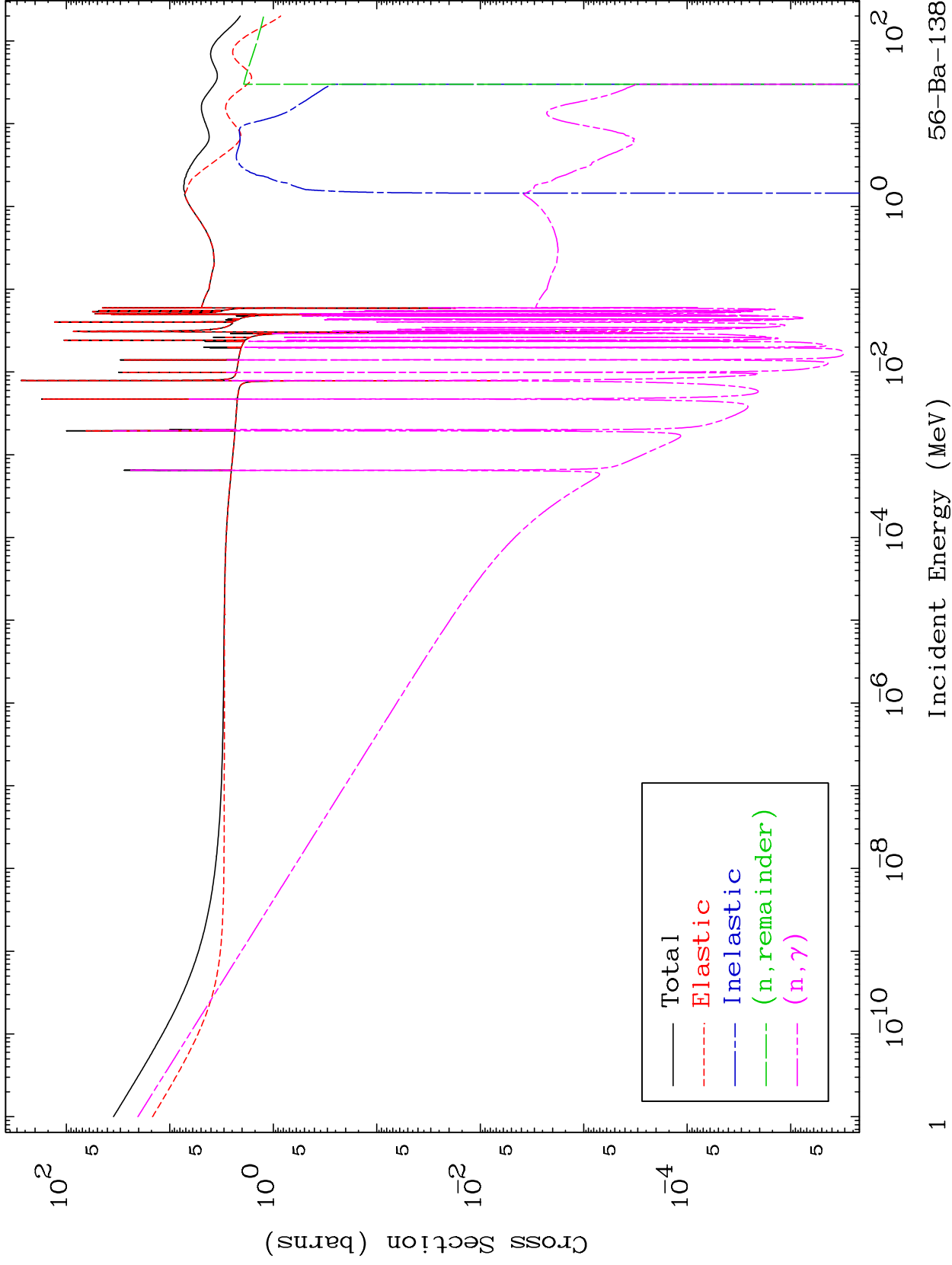
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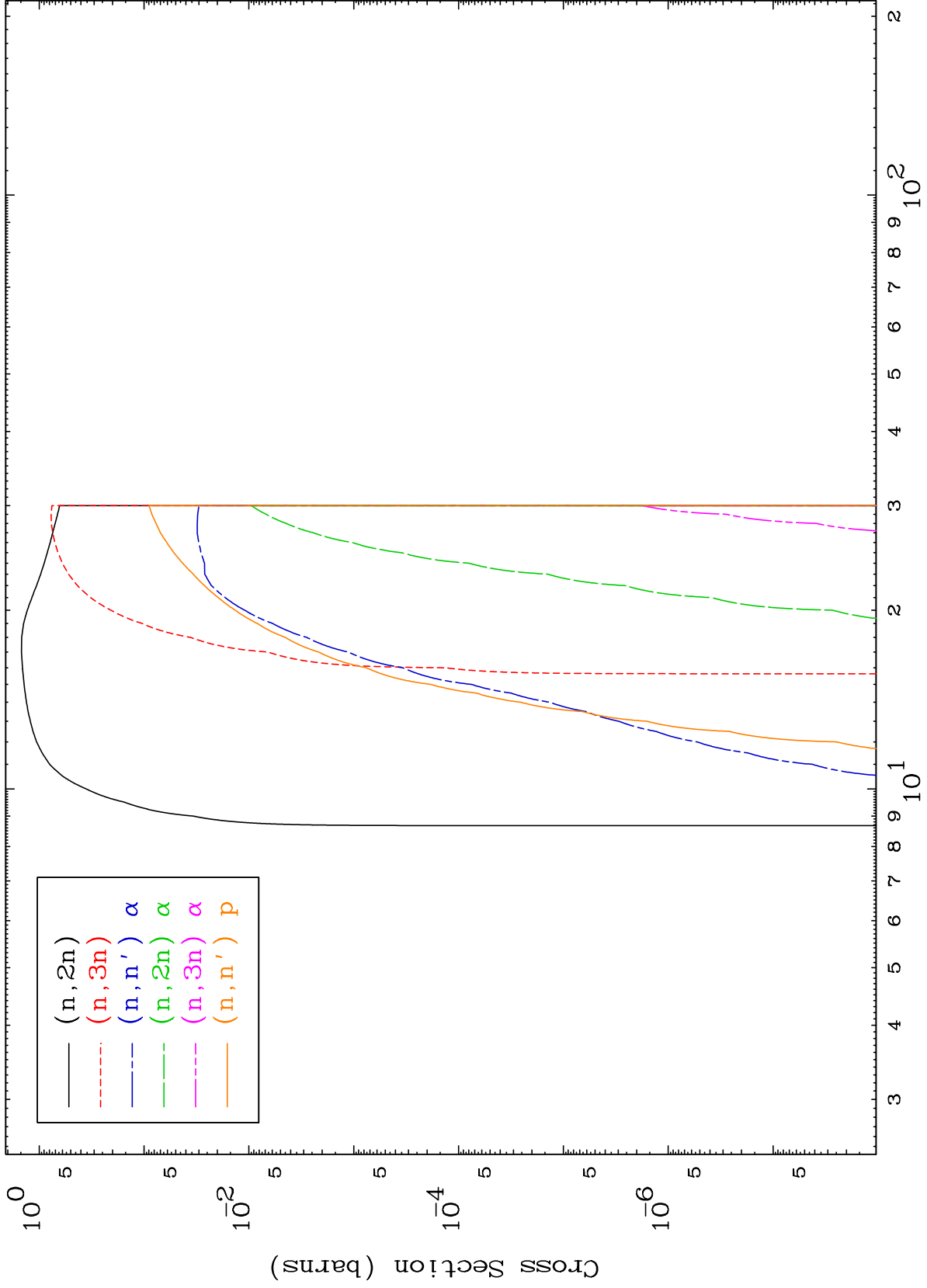
Press Mouse Button to Start

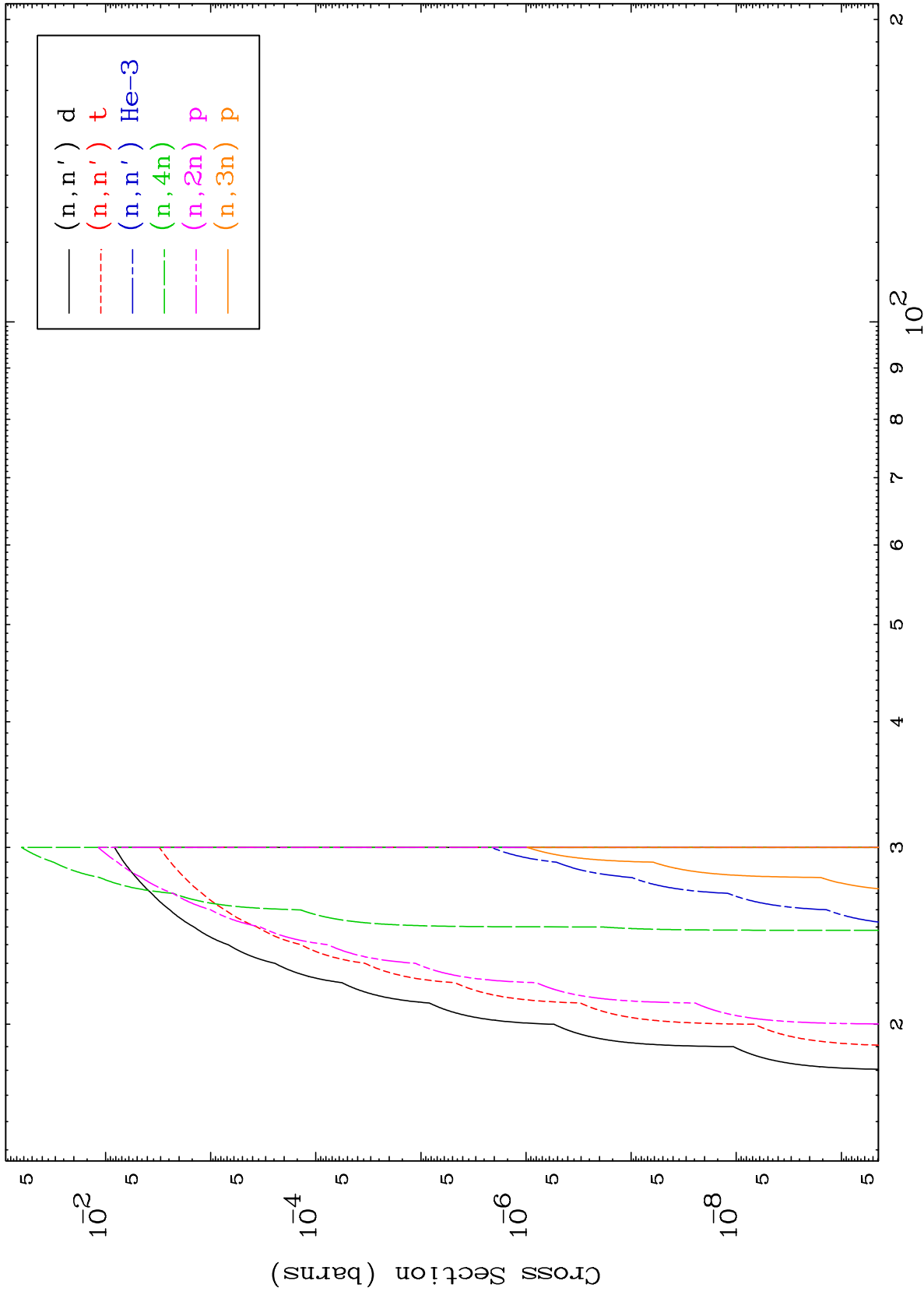
MAT 5649

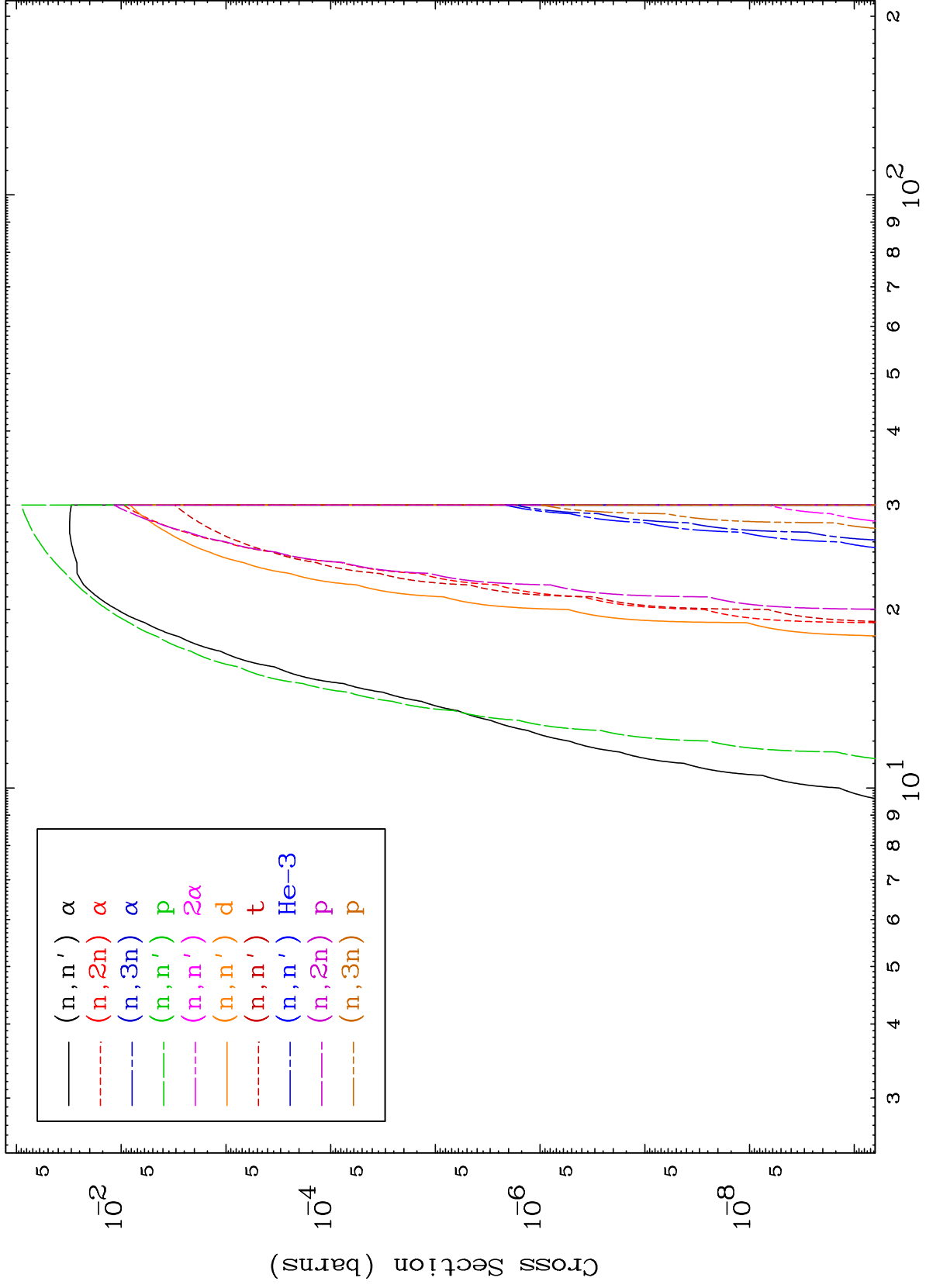
Major  
293 Kelvin Cross Sections

56-Ba-138





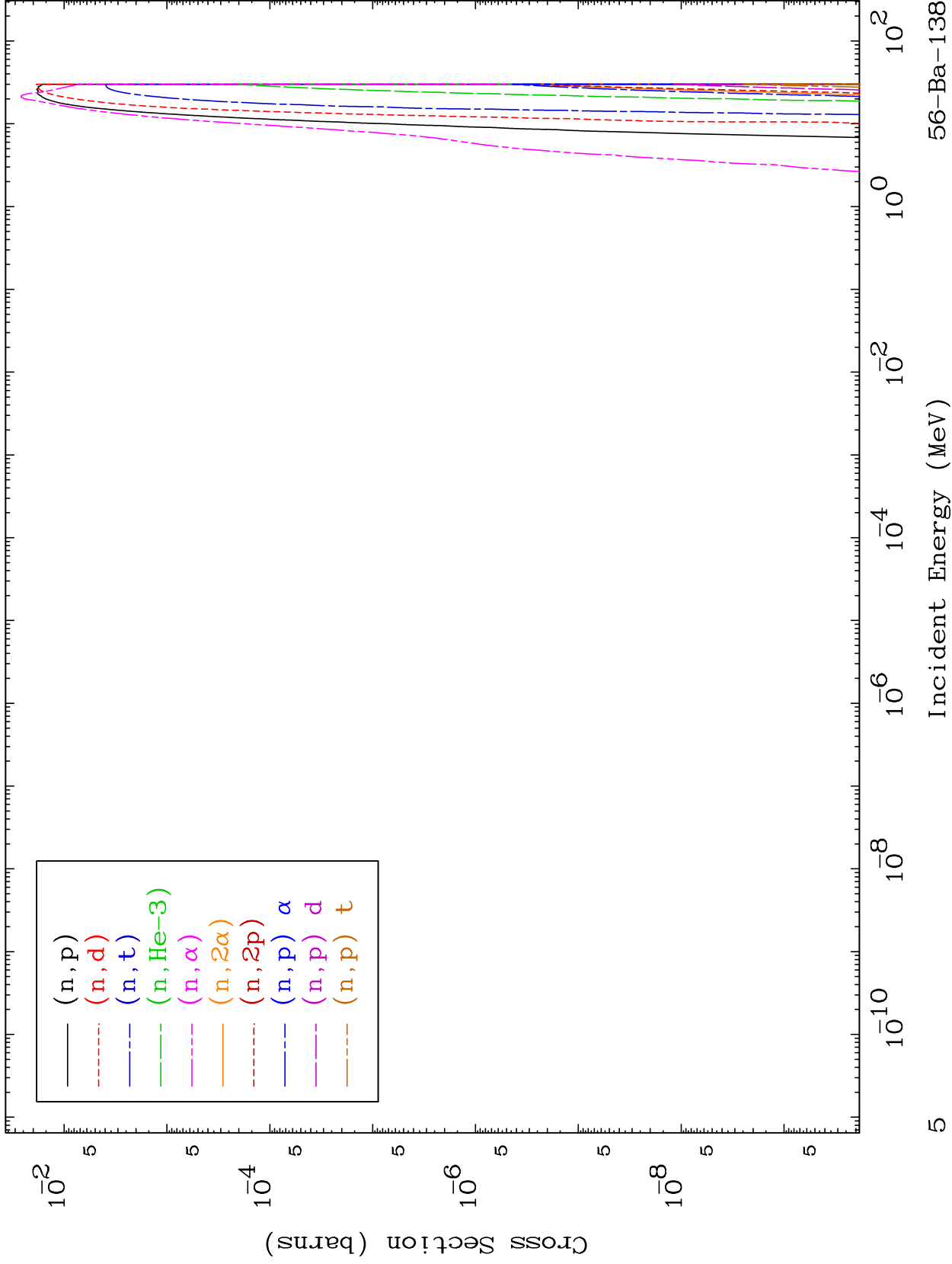




MAT 5649

Charged Particle  
293 Kelvin Cross Sections

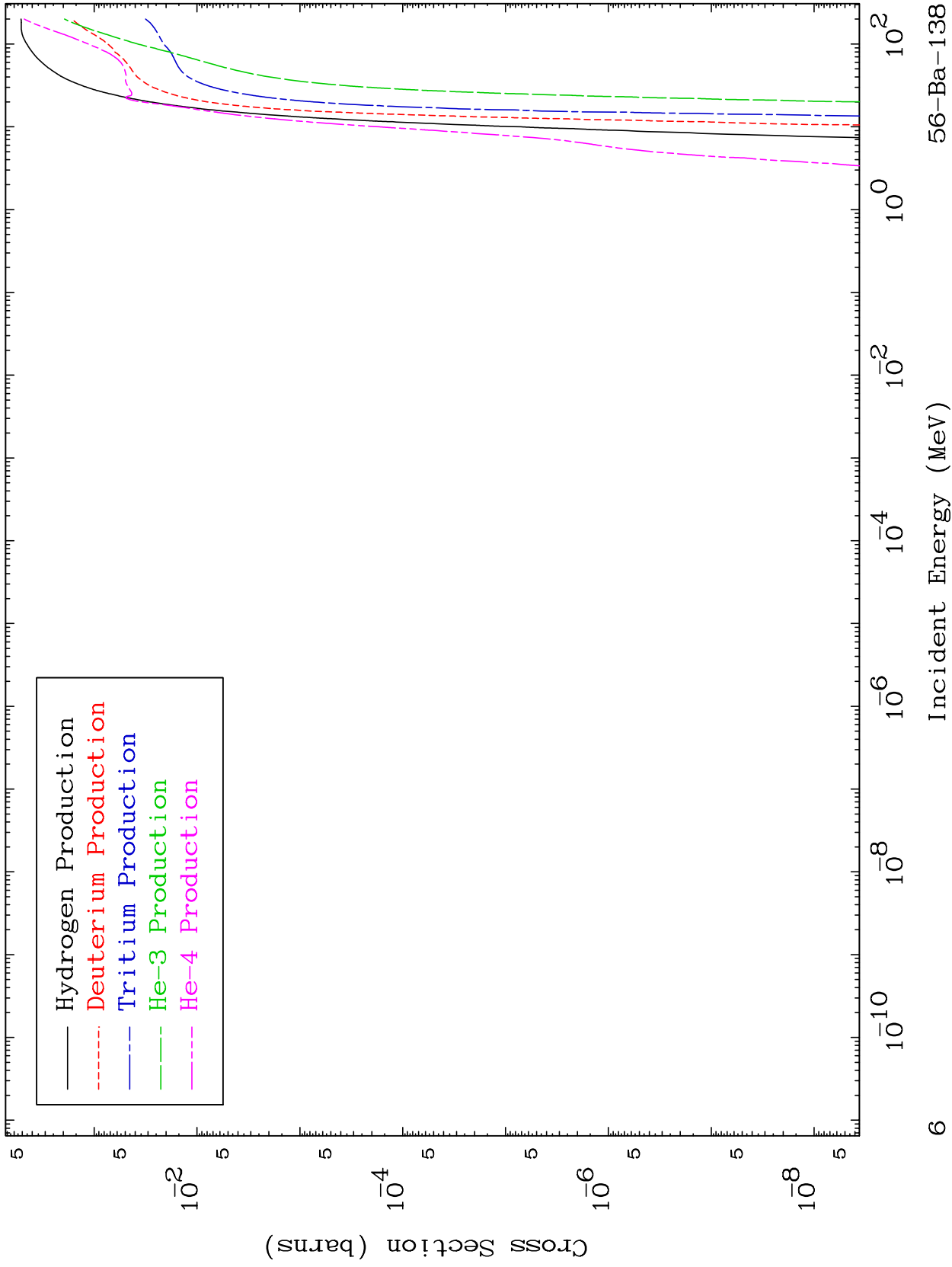
56-Ba-138



MAT 5649

Particle Production  
293 Kelvin Cross Sections

56-Ba-138

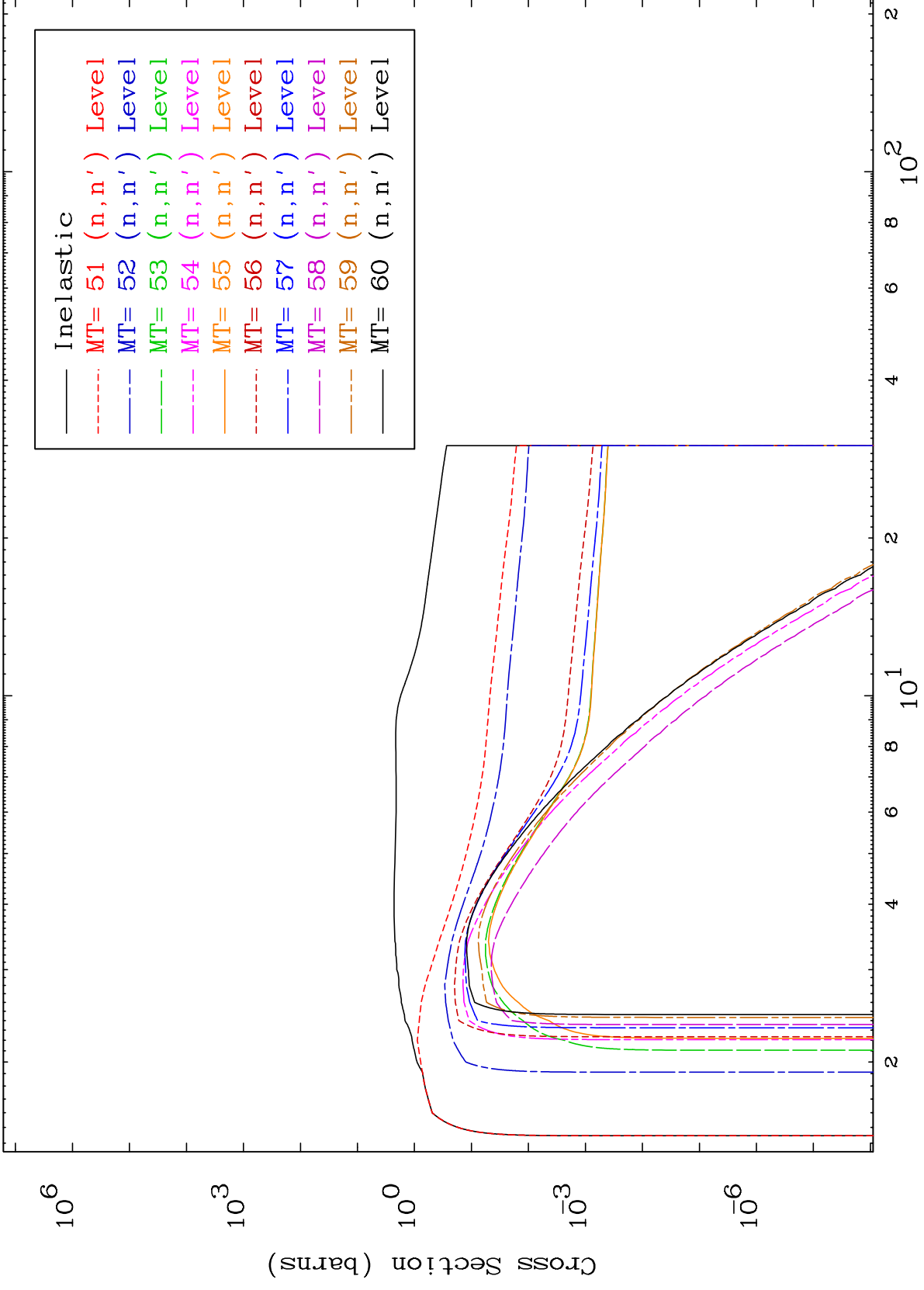


MAT 5649

(n,n') Level

56-Ba-138

293 Kelvin Cross Sections



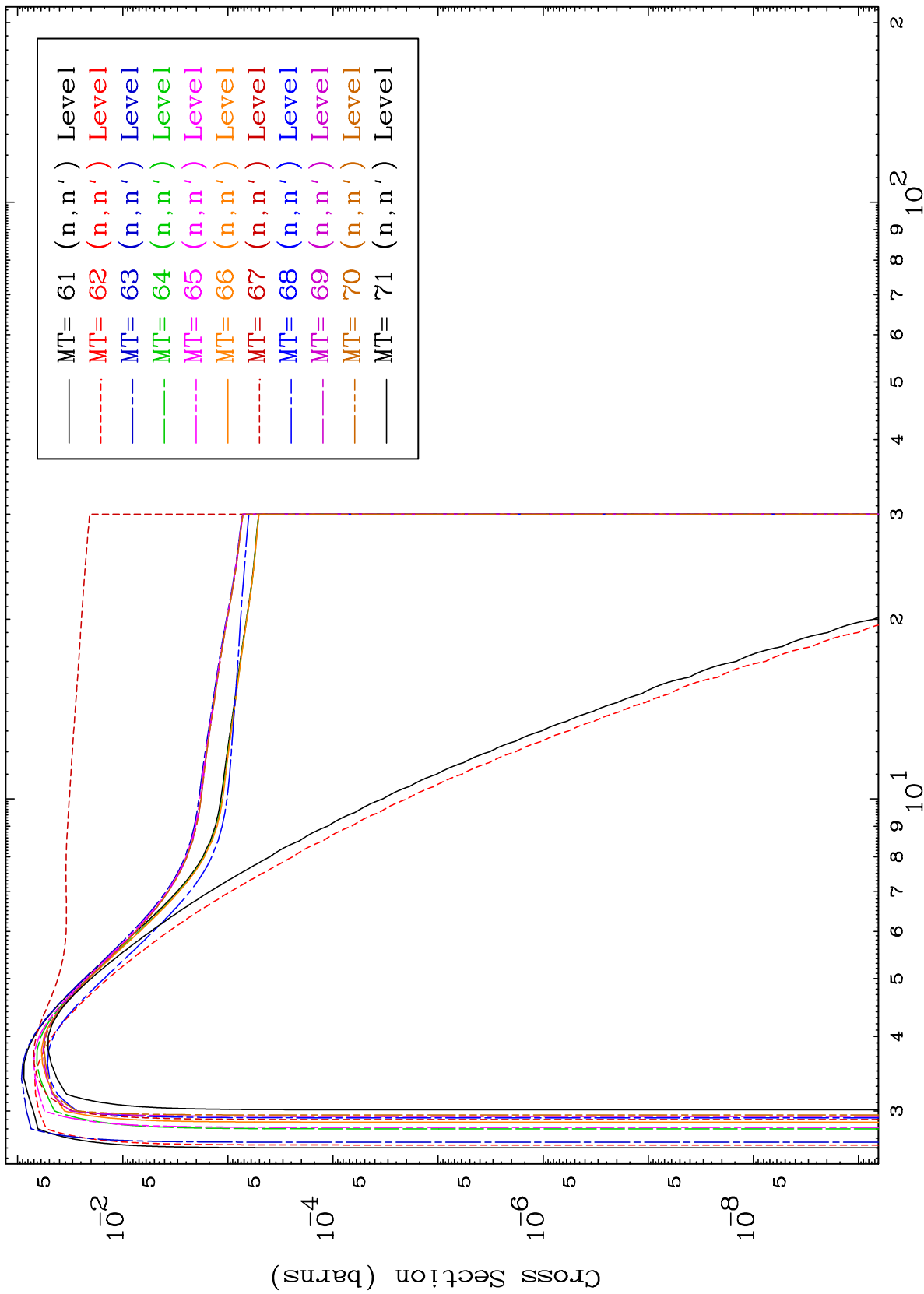


MAT 5649

(n,n') Level

56-Ba-138

293 Kelvin Cross Sections

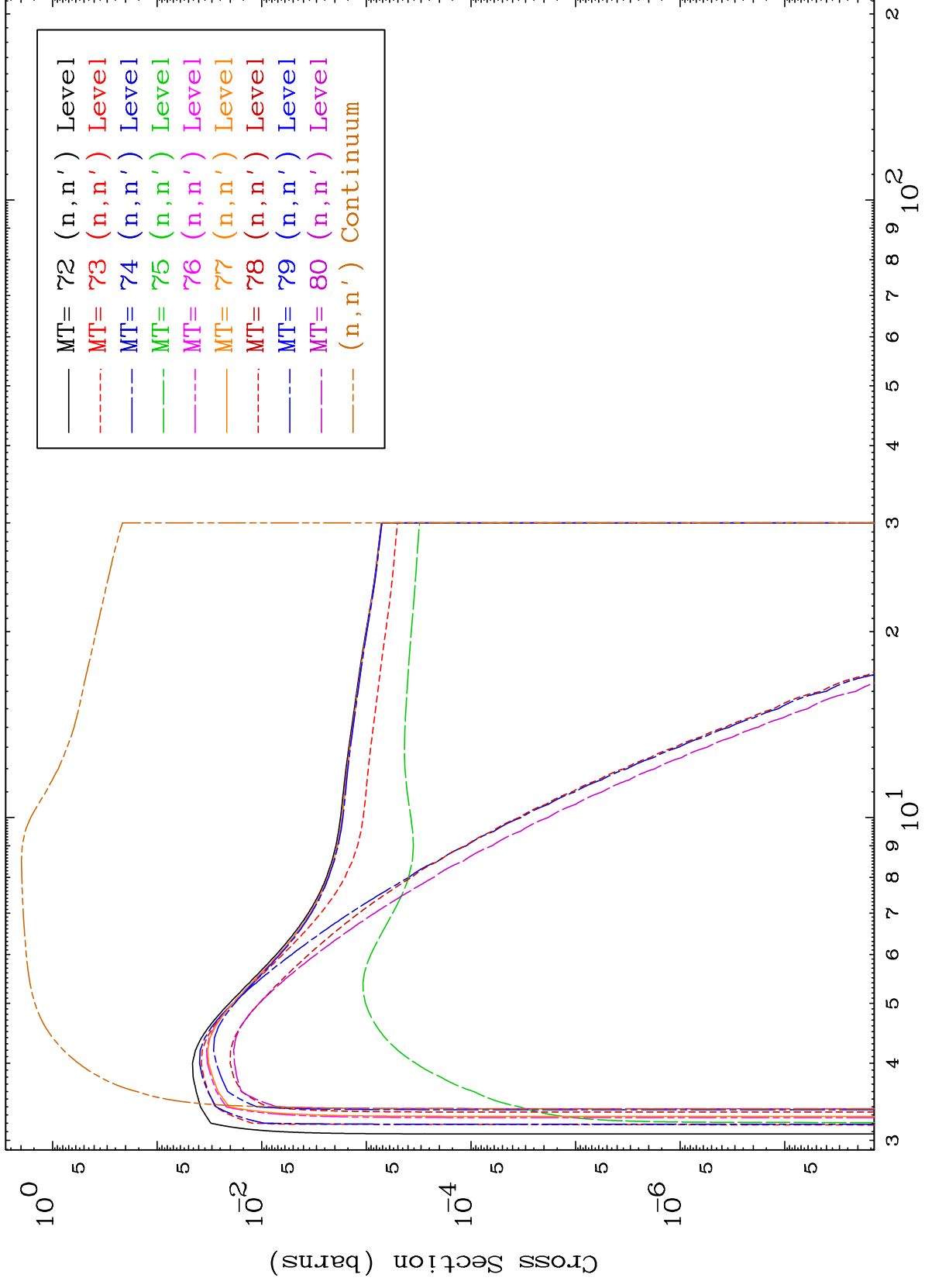


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Incident Energy (MeV)

56-Ba-138

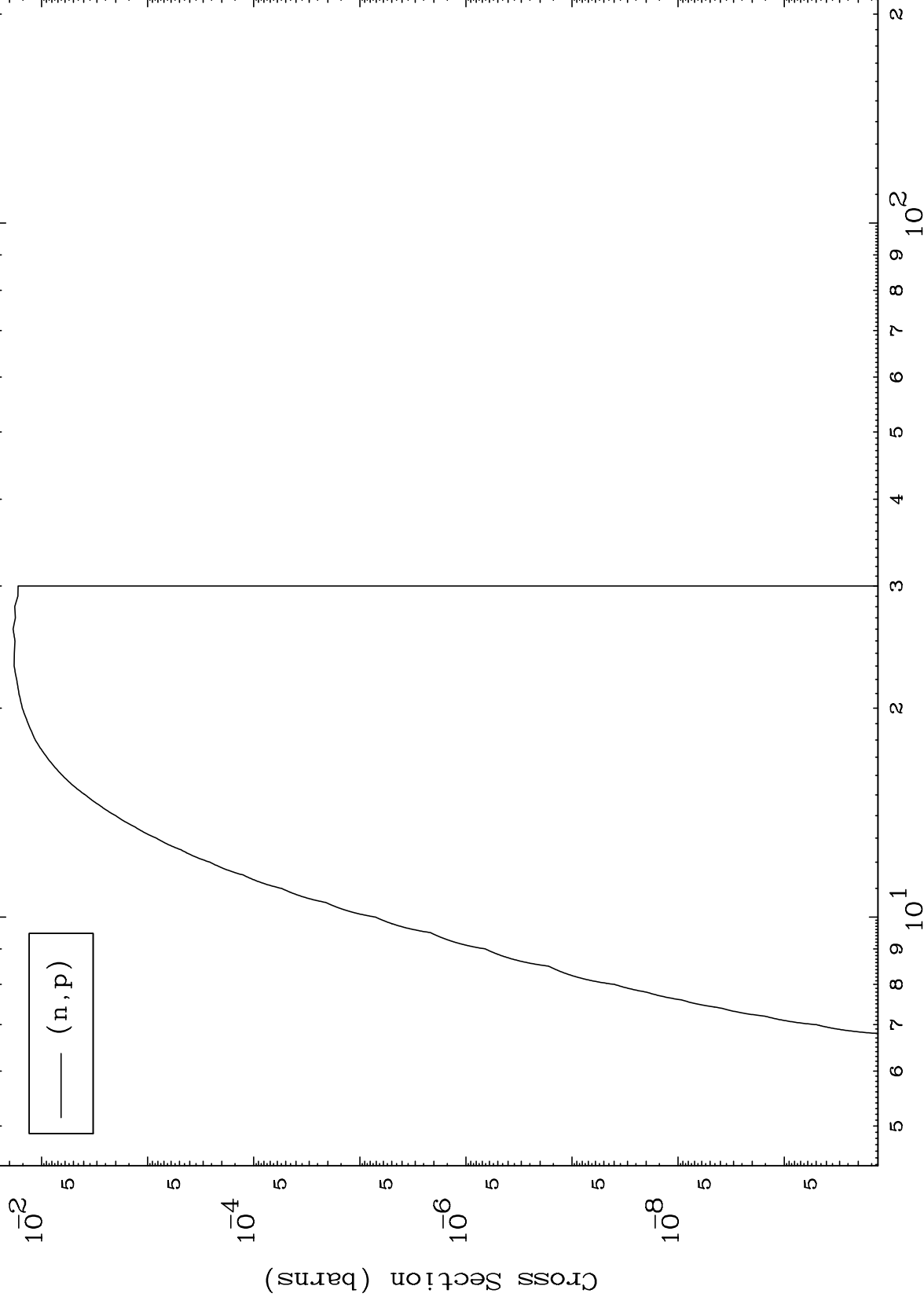
293 Kelvin Cross Sections



MAT 5649

(n,p) Levels  
293 Kelvin Cross Sections

56-Ba-138



10

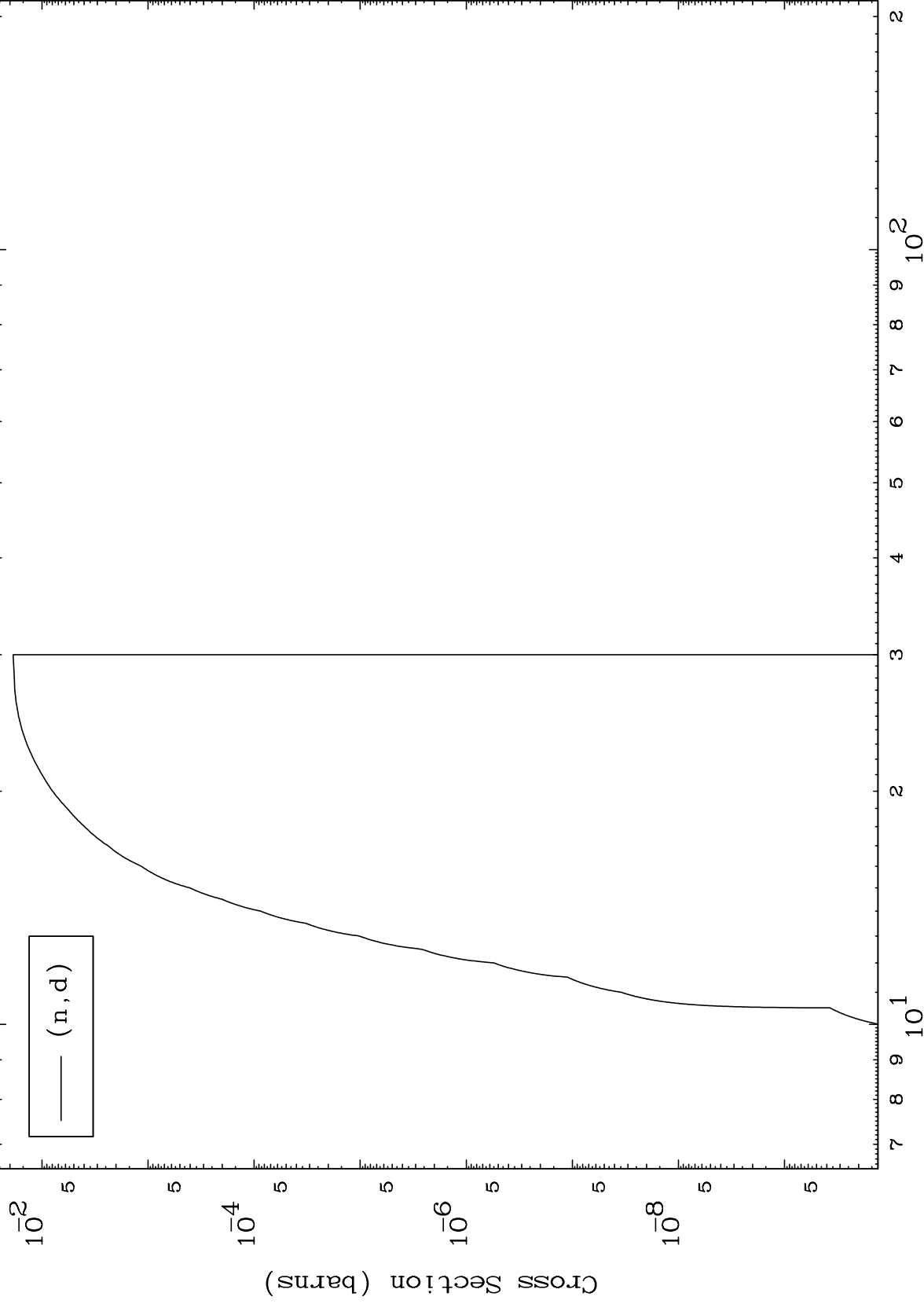
Incident Energy (MeV)

56-Ba-138

MAT 5649

(n,d) Levels  
293 Kelvin Cross Sections

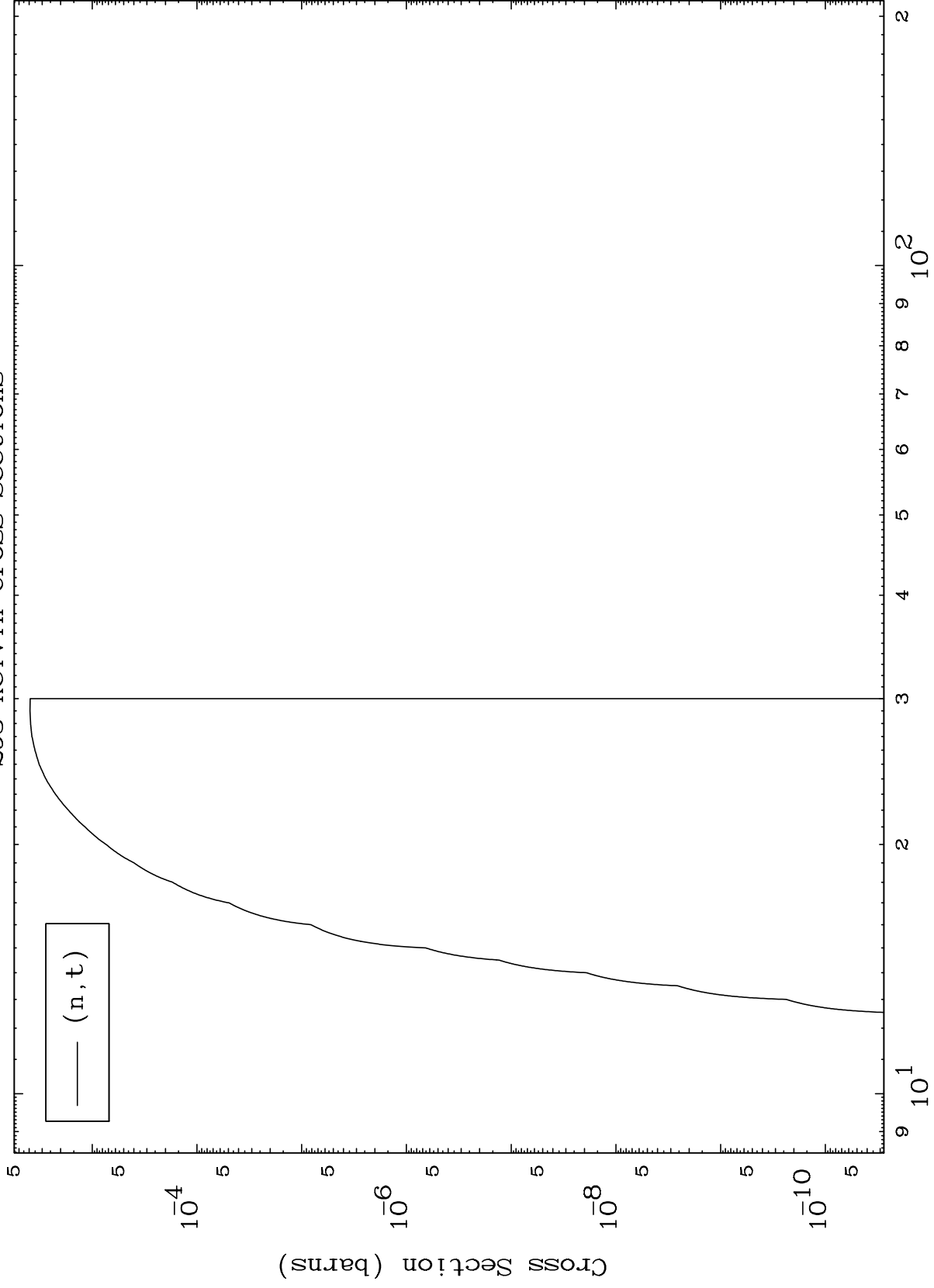
56-Ba-138



MAT 5649

(n,t) Levels  
293 Kelvin Cross Sections

56-Ba-138



12

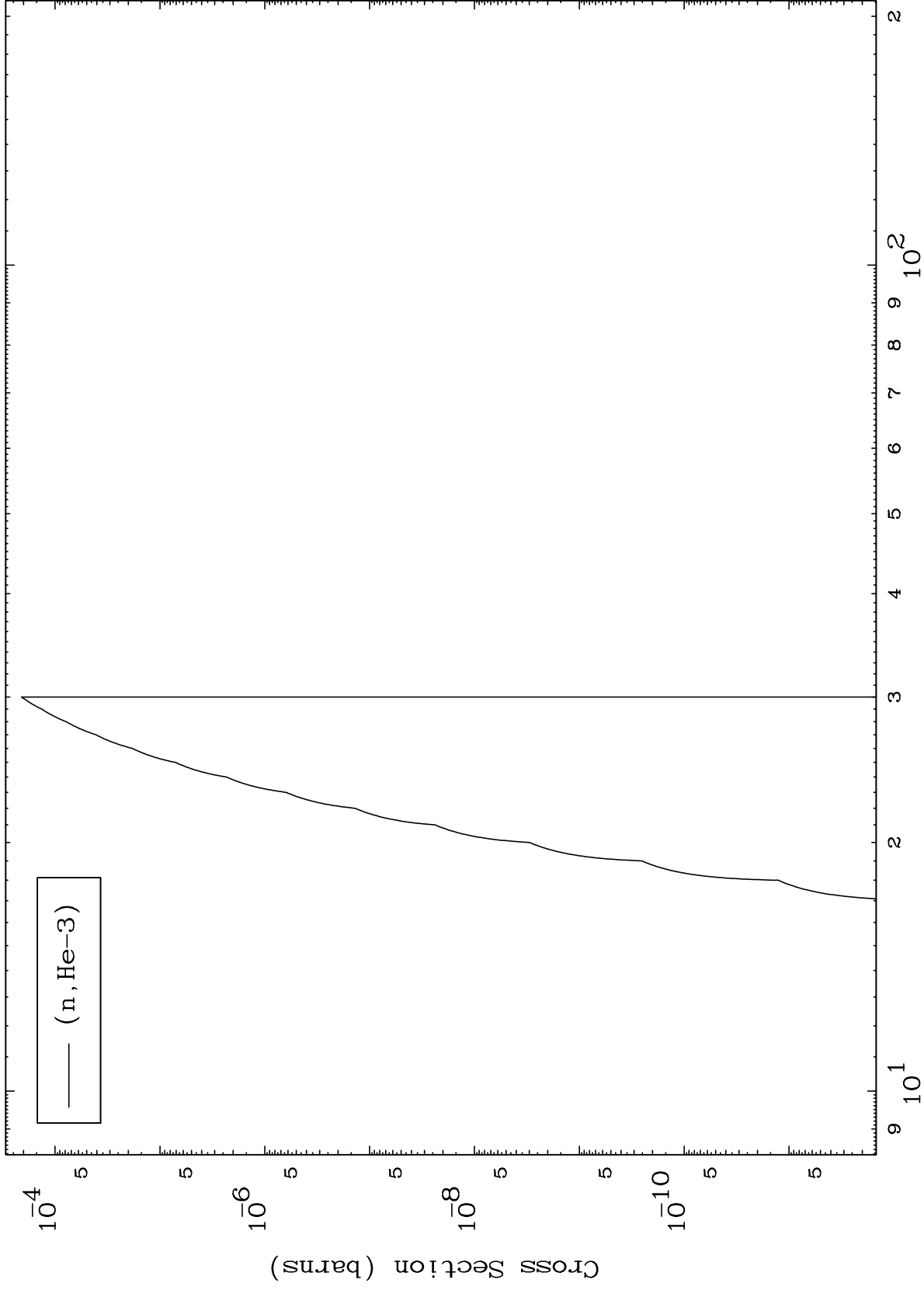
Incident Energy (MeV)

56-Ba-138

MAT 5649

(n,He3) Levels  
293 Kelvin Cross Sections

56-Ba-138



13

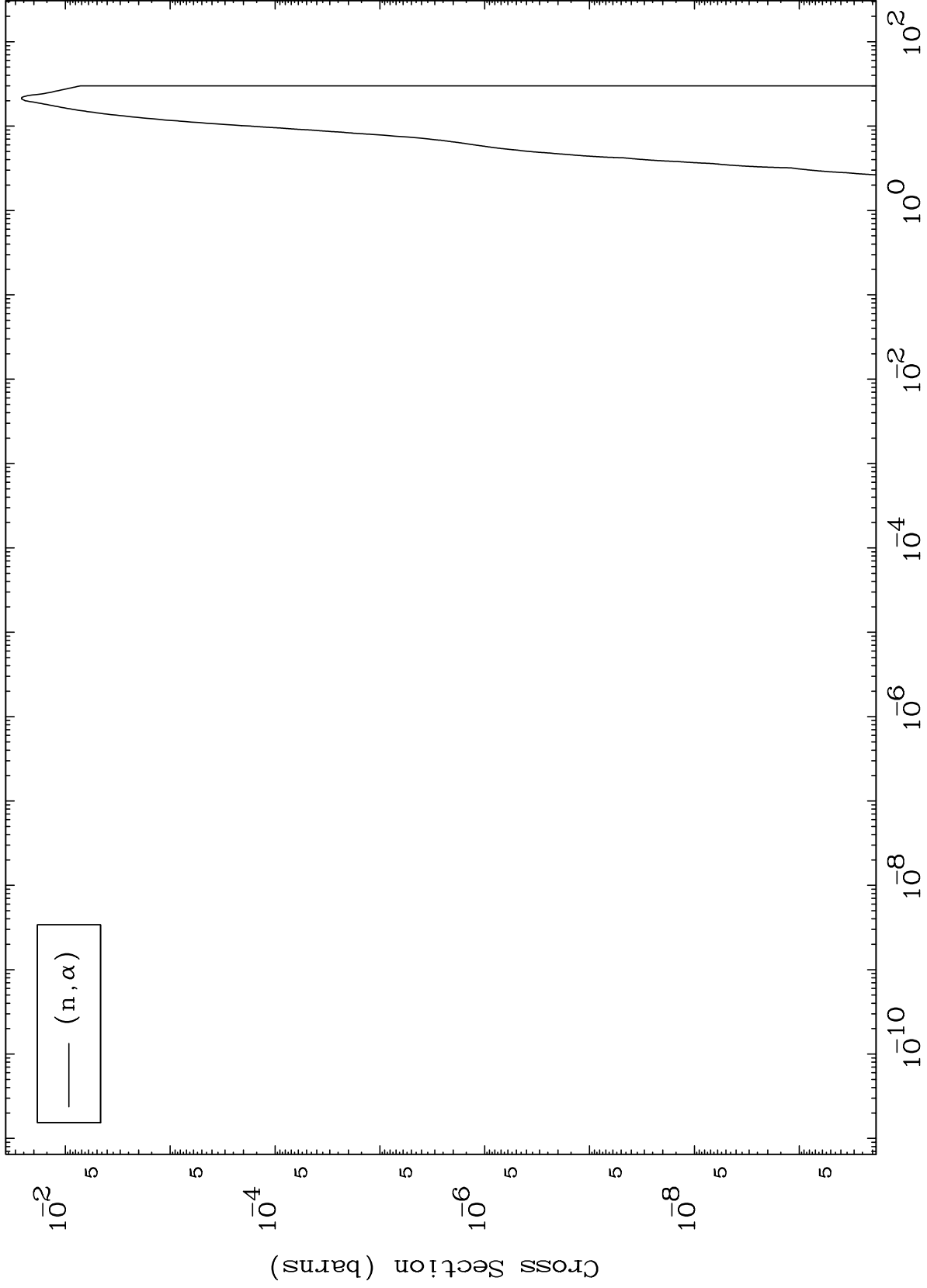
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

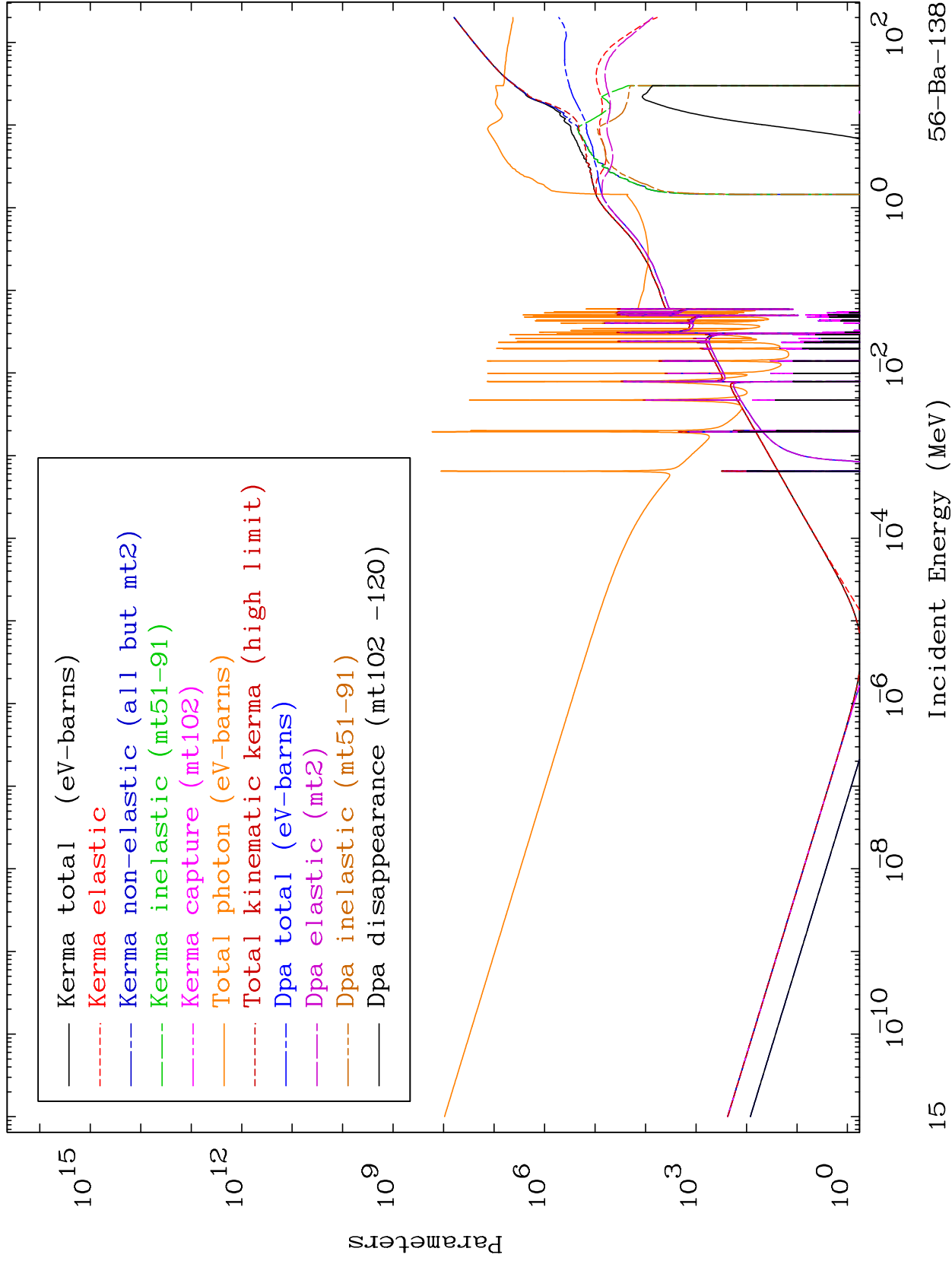
56-Ba-138



14

Incident Energy (MeV)

56-Ba-138

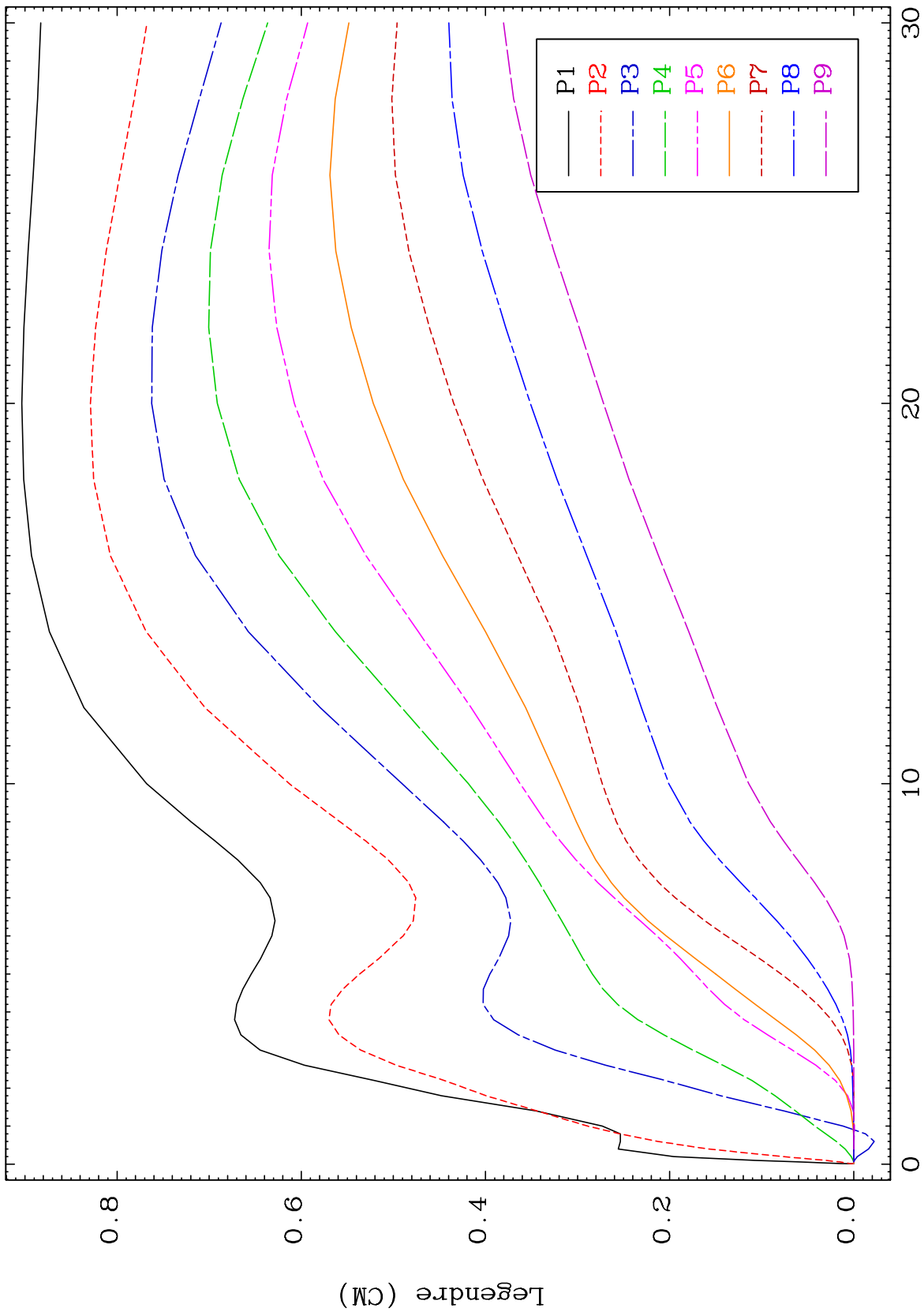




MAT 5649

Elastic Legendre Coefficients

56-Ba-138



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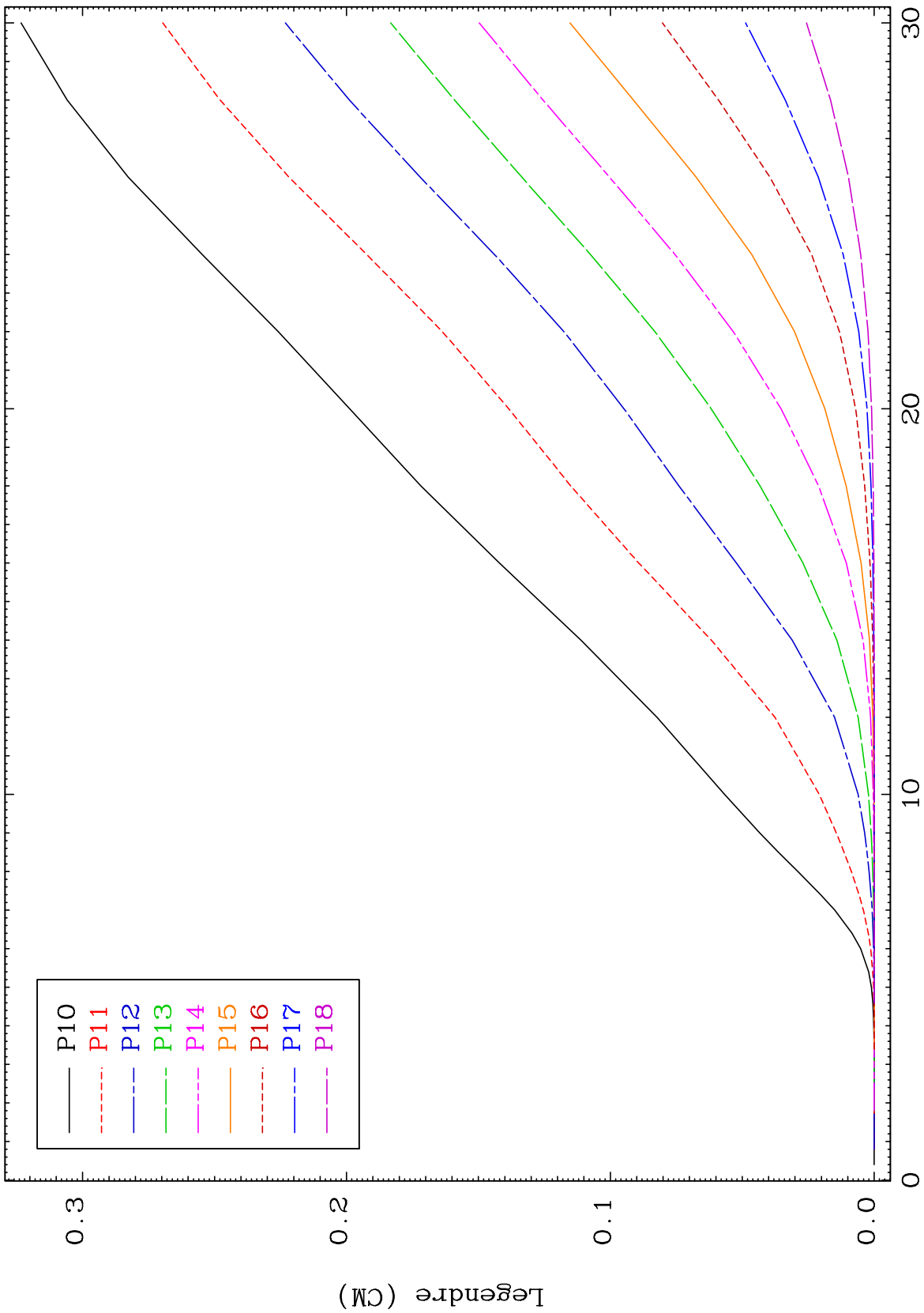
Incident Energy (MeV)

56-Ba-138

MAT 5649

Elastic Legendre Coefficients

56-Ba-138



17

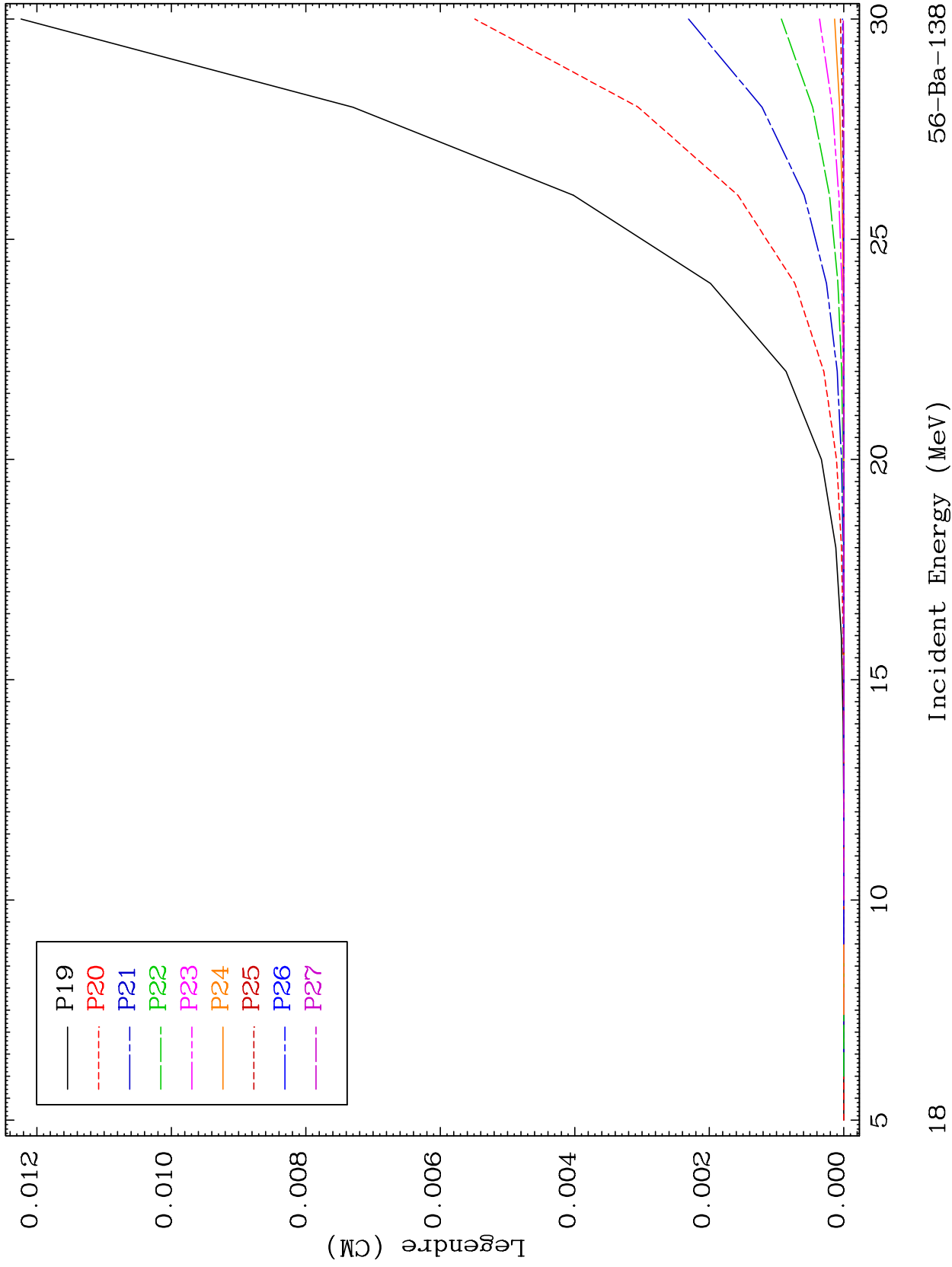
Incident Energy (MeV)

56-Ba-138

MAT 5649

Elastic Legendre Coefficients

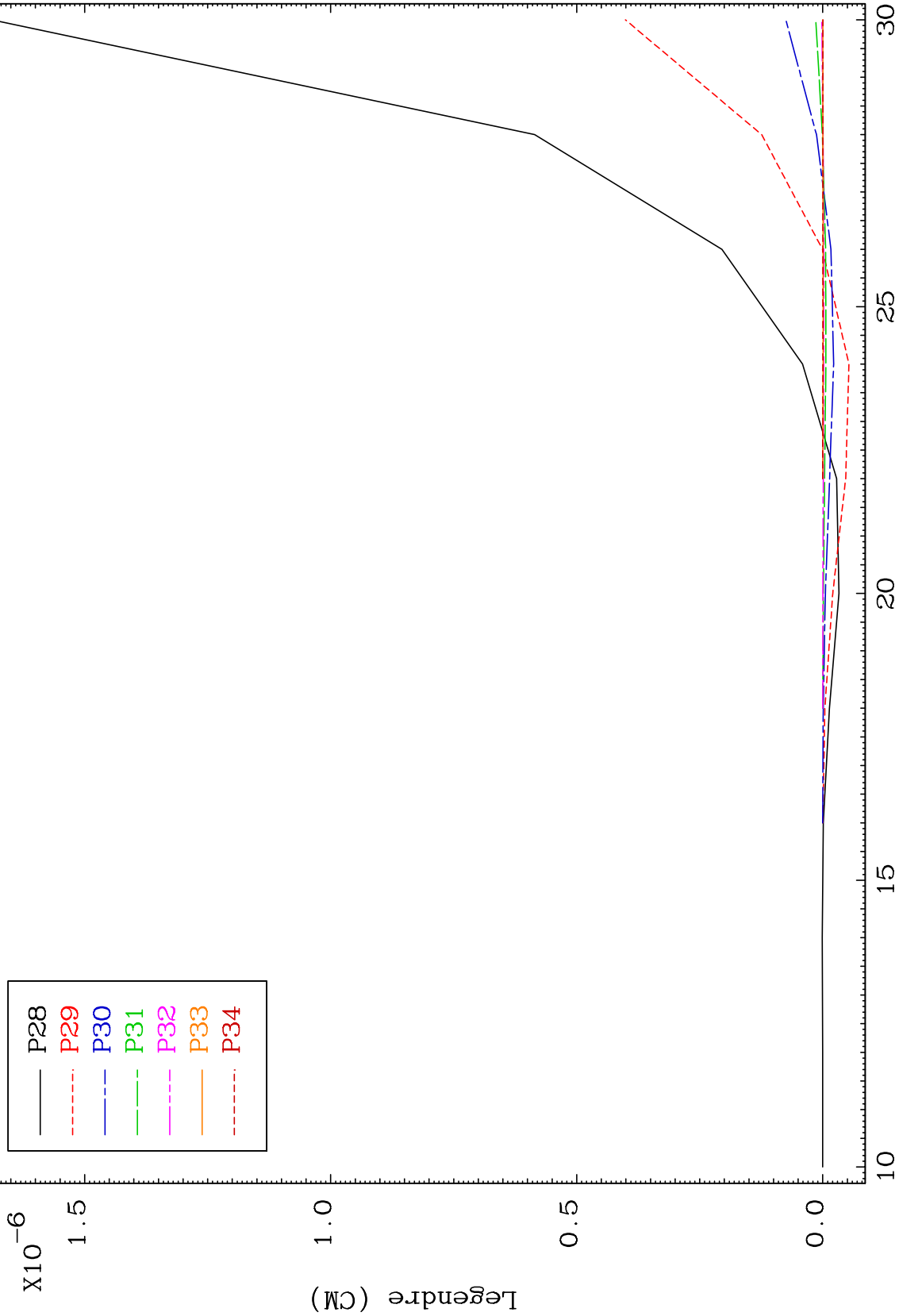
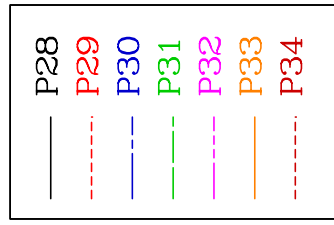
56-Ba-138



MAT 5649

Elastic Legendre Coefficients

56-Ba-138



10

15

20

25

30

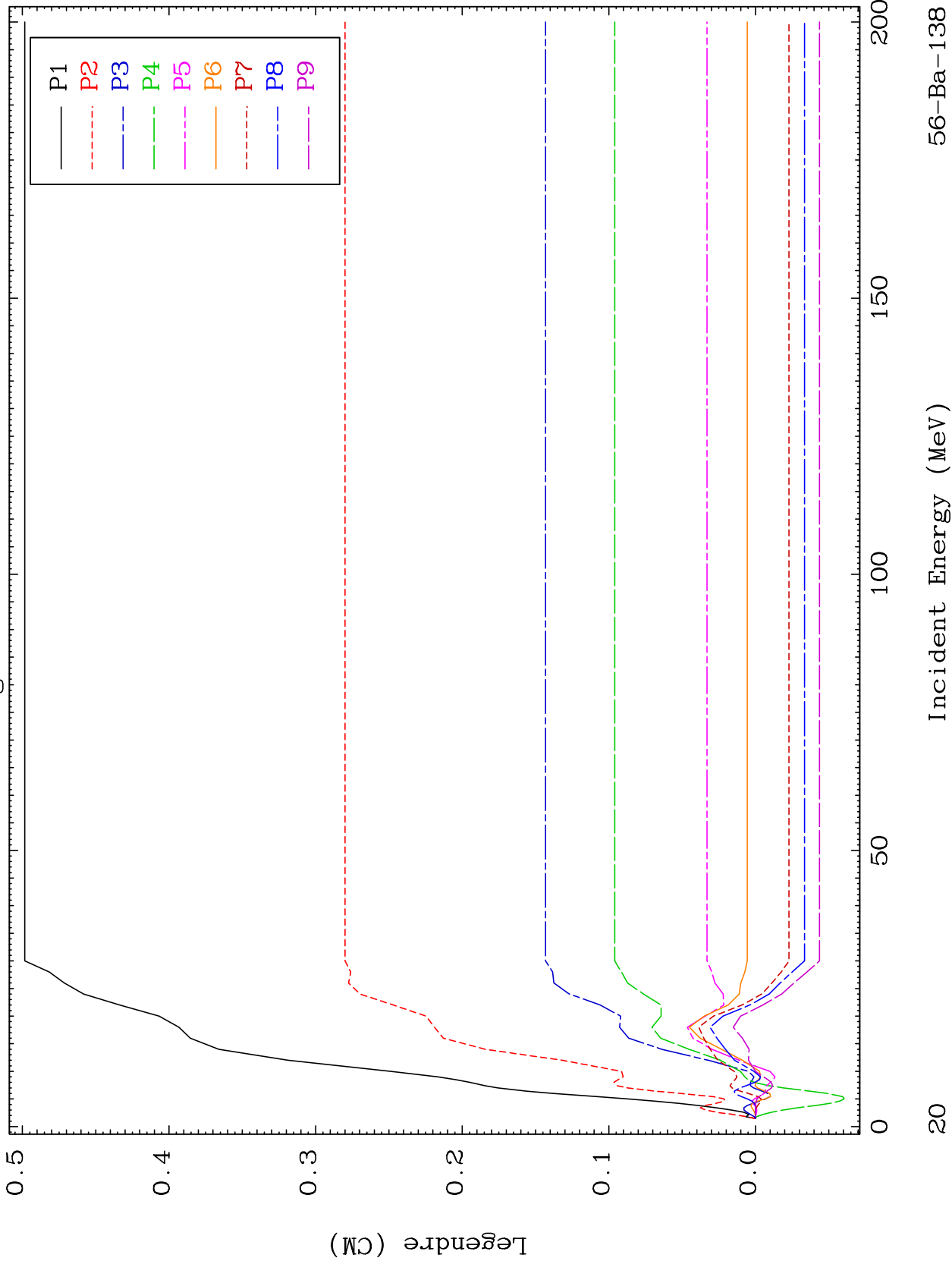
56-Ba-138

MAT 5649

MT= 51 (n,n') Level

56-Ba-138

Legendre Coefficients



56-Ba-138

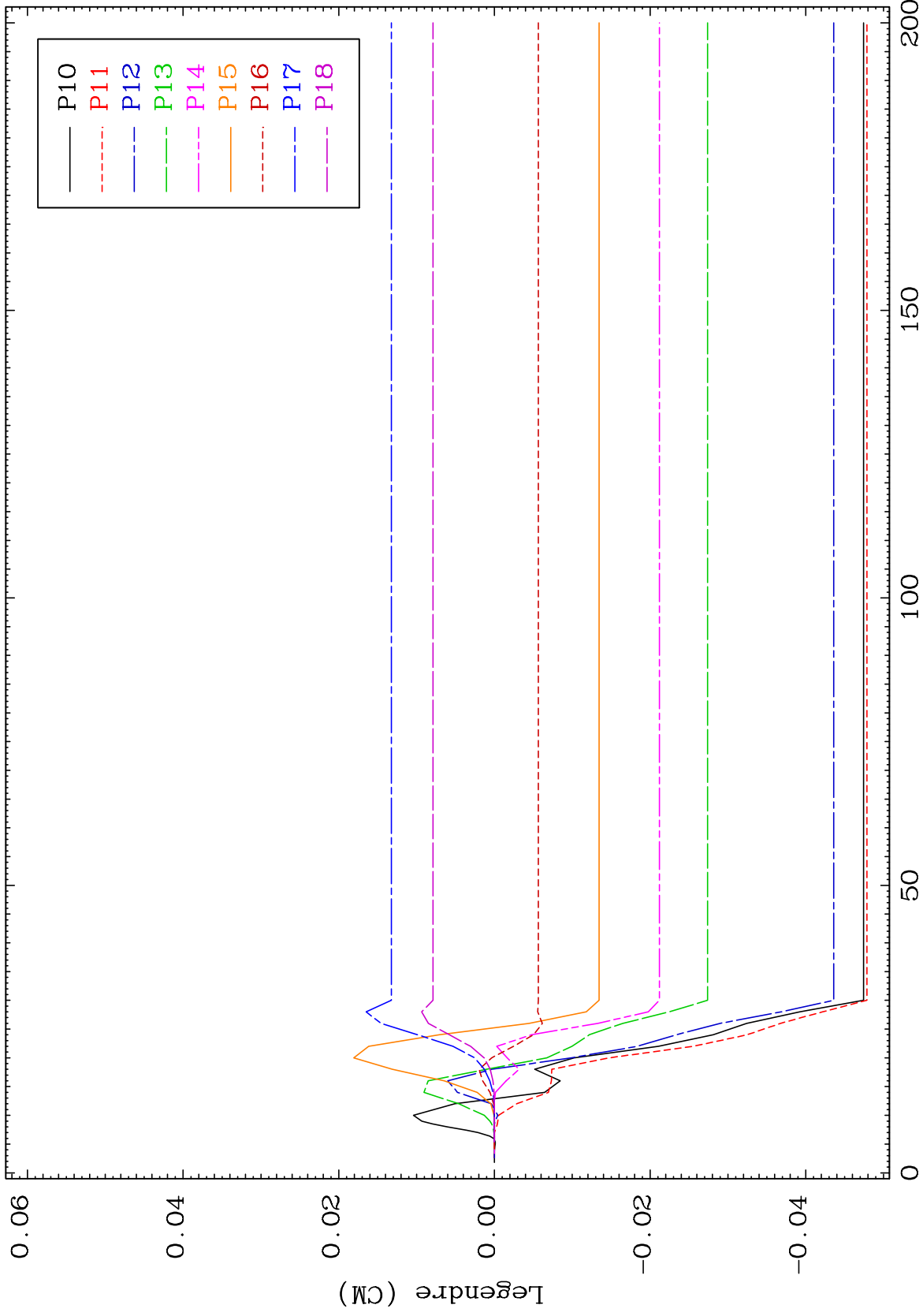
Incident Energy (MeV)

0

MAT 5649

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

56-Ba-138



21

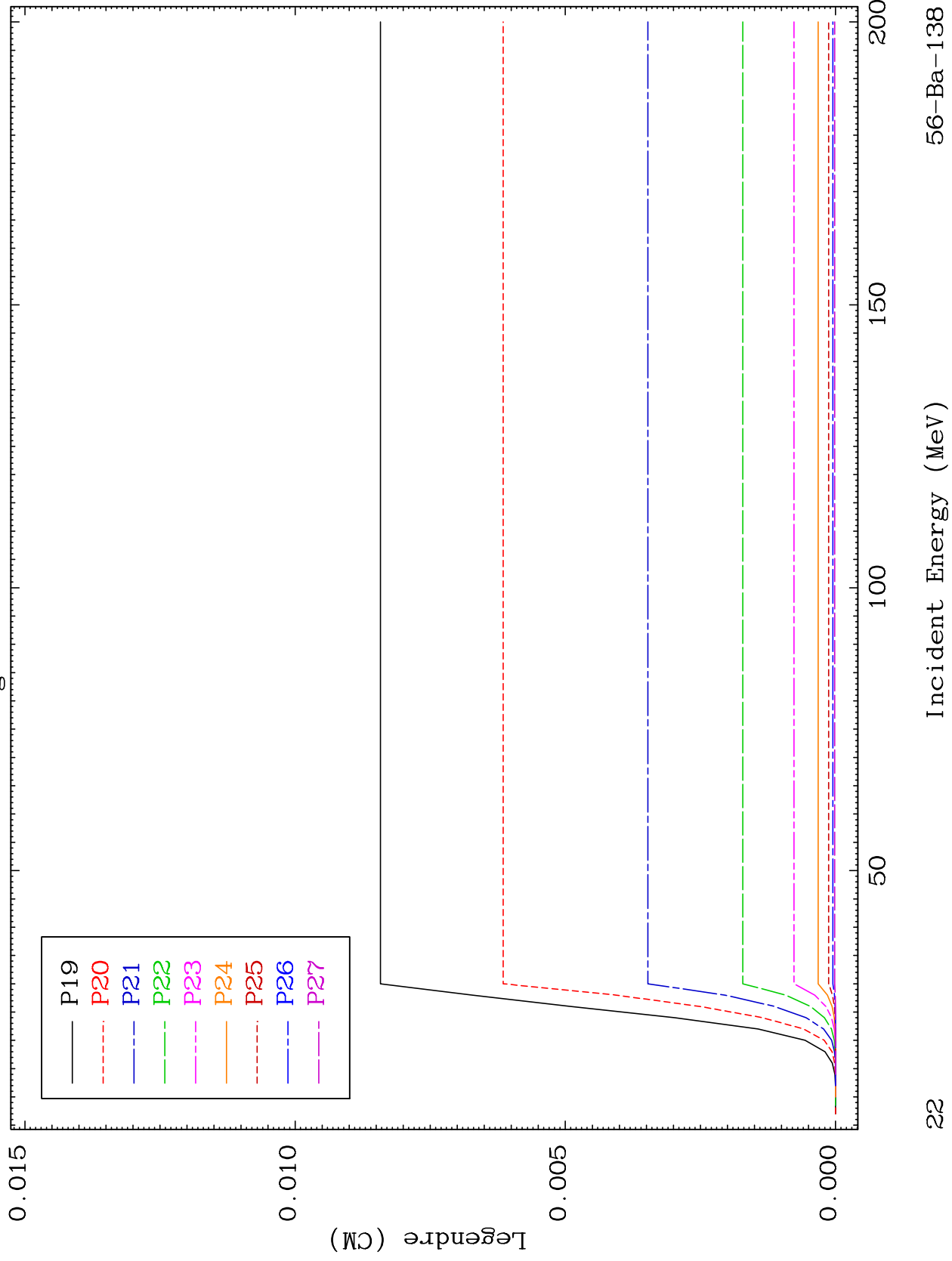
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



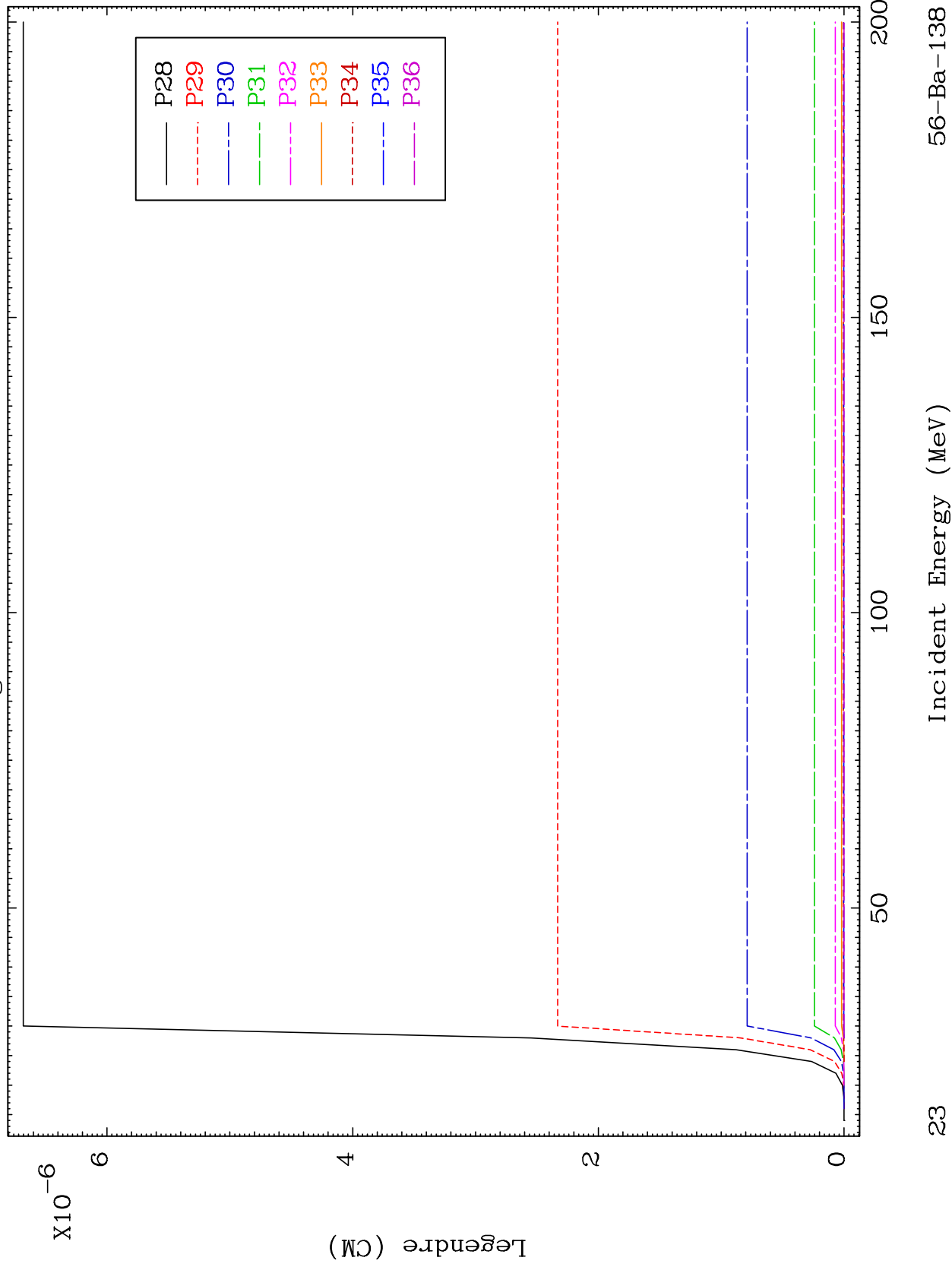
22

56-Ba-138

MAT 5649

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

56-Ba-138



23

Incident Energy (MeV)

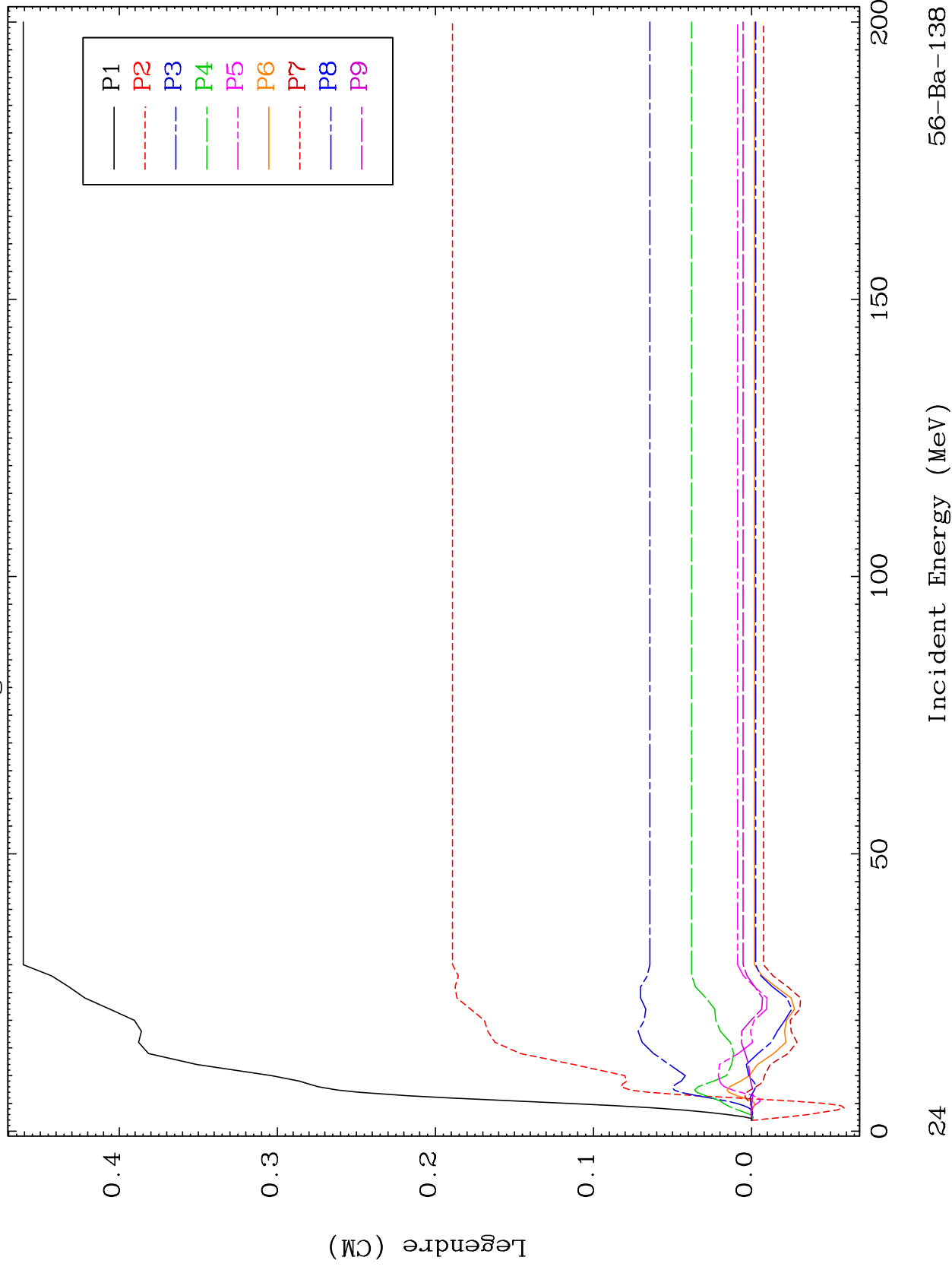
56-Ba-138



MAT 5649

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

56-Ba-138



56-Ba-138

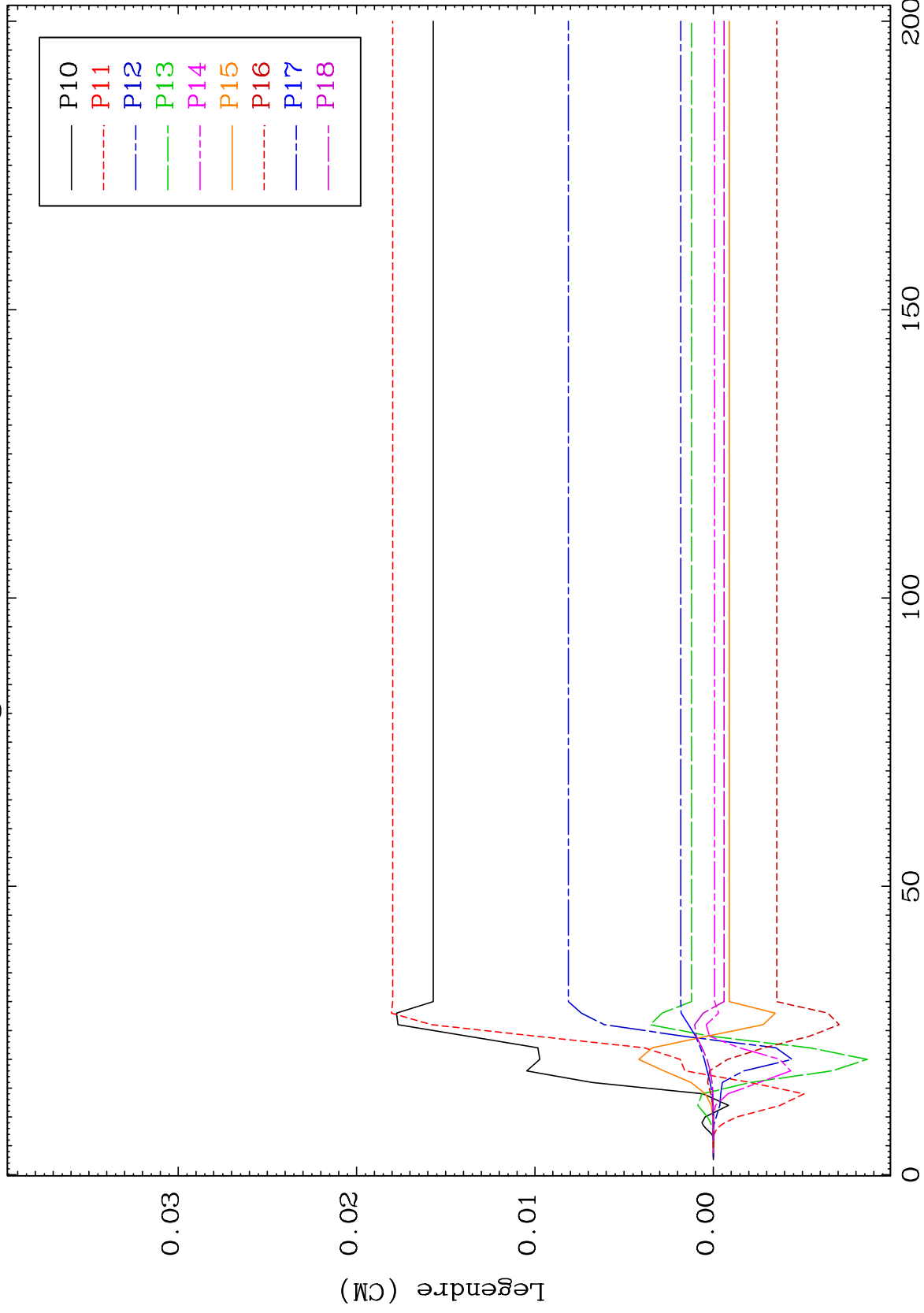
Incident Energy (MeV)

24

MAT 5649

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

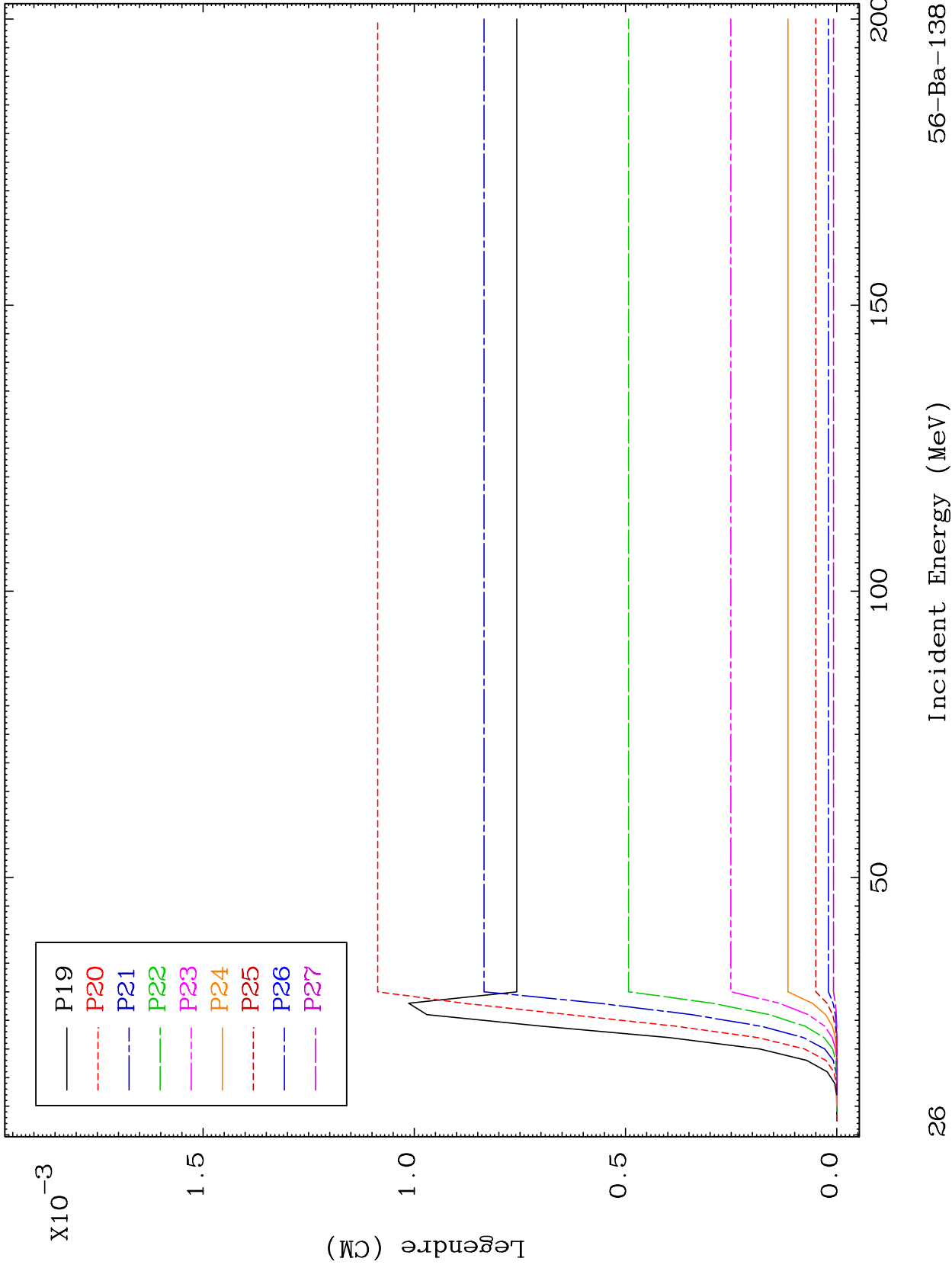
56-Ba-138



25

Incident Energy (MeV)

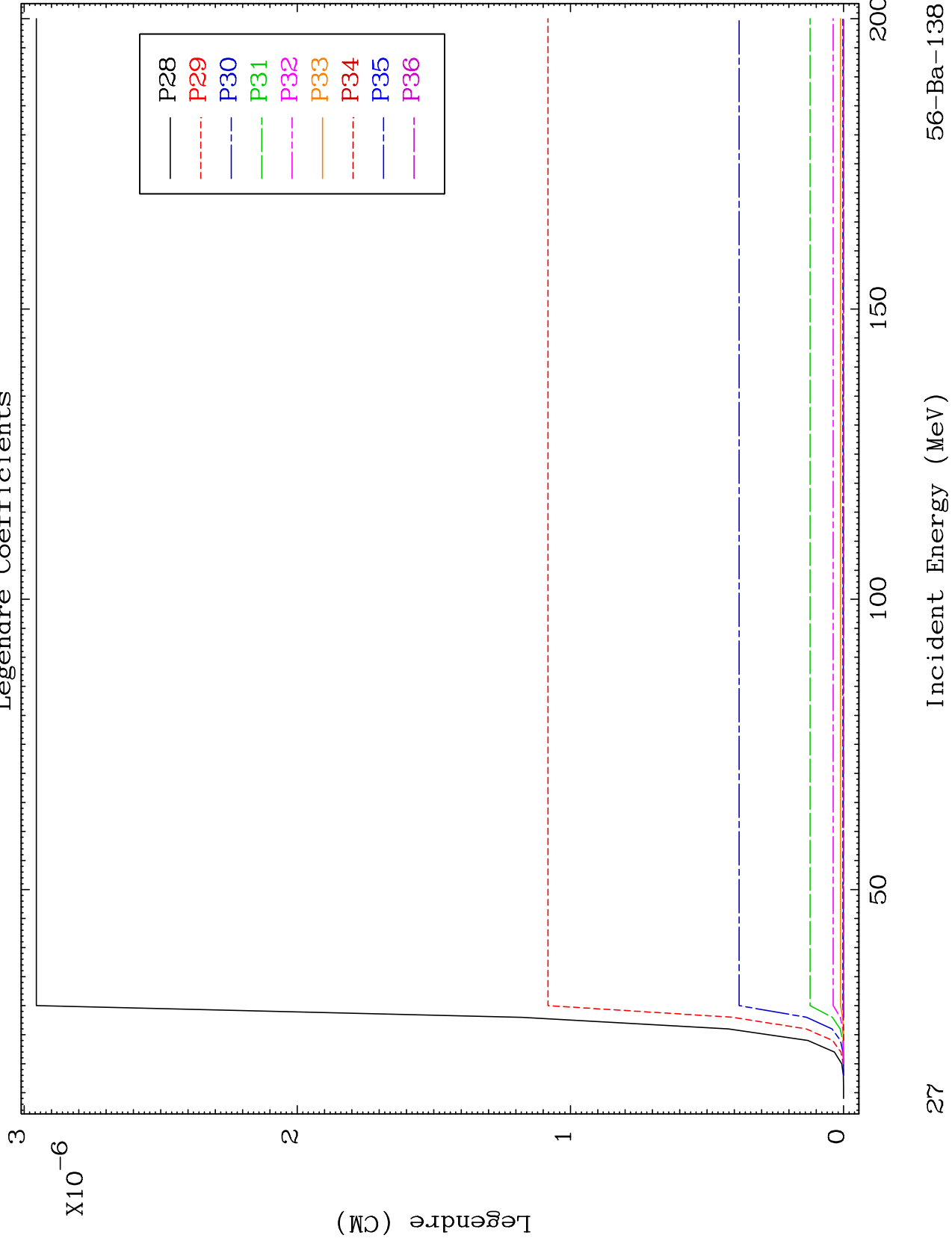
56-Ba-138



MAT 5649

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

56-Ba-138



27

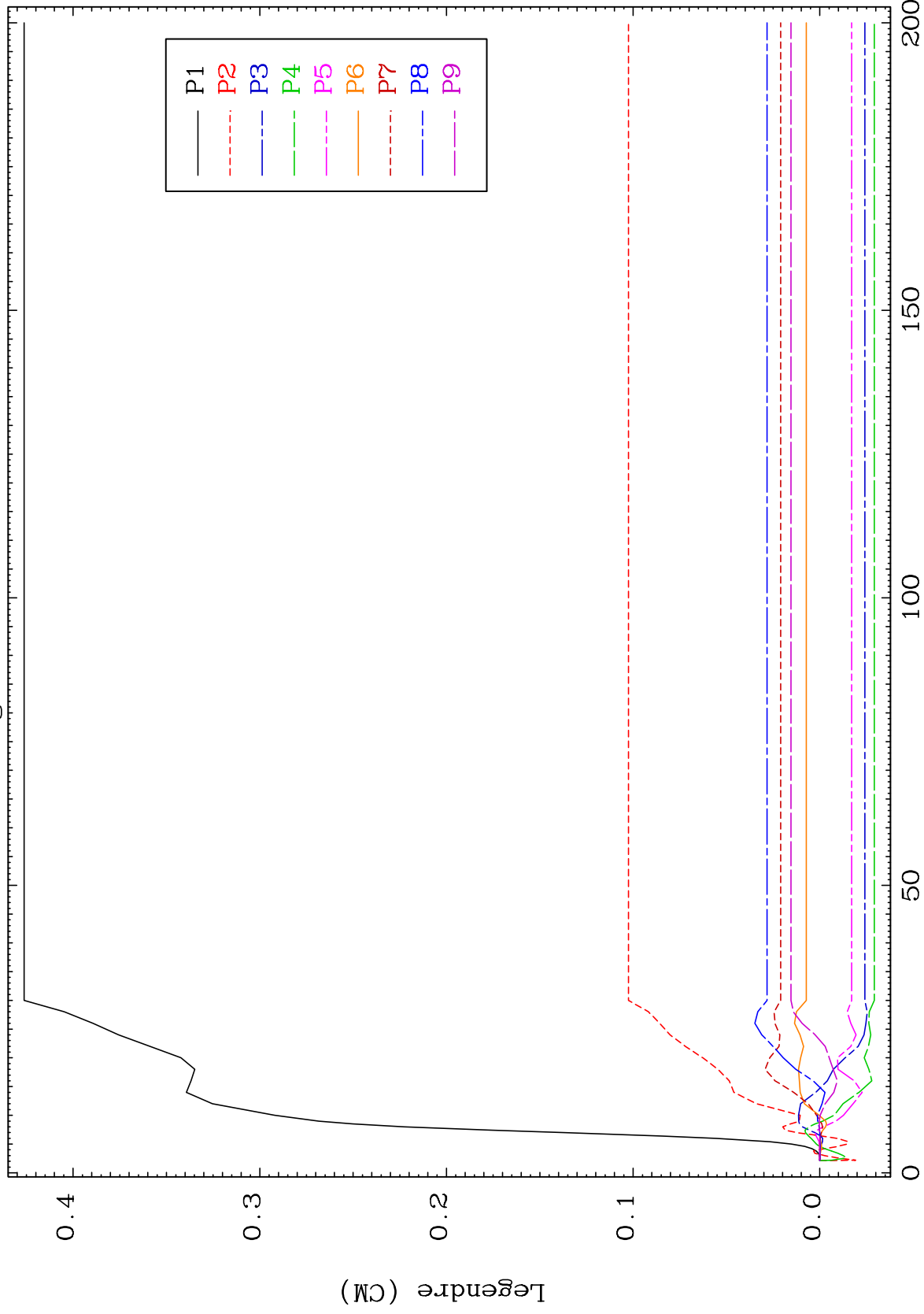
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



28

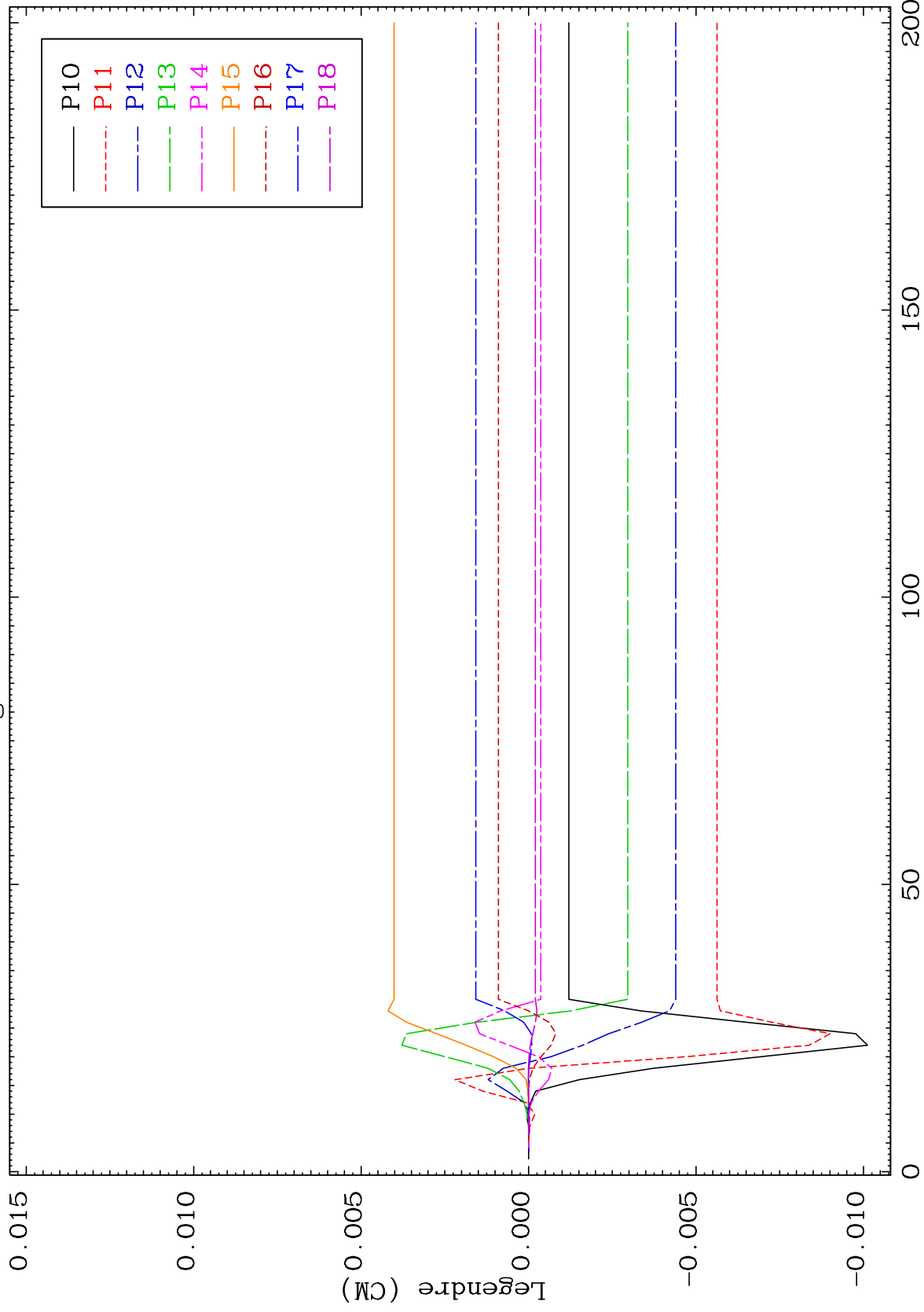
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



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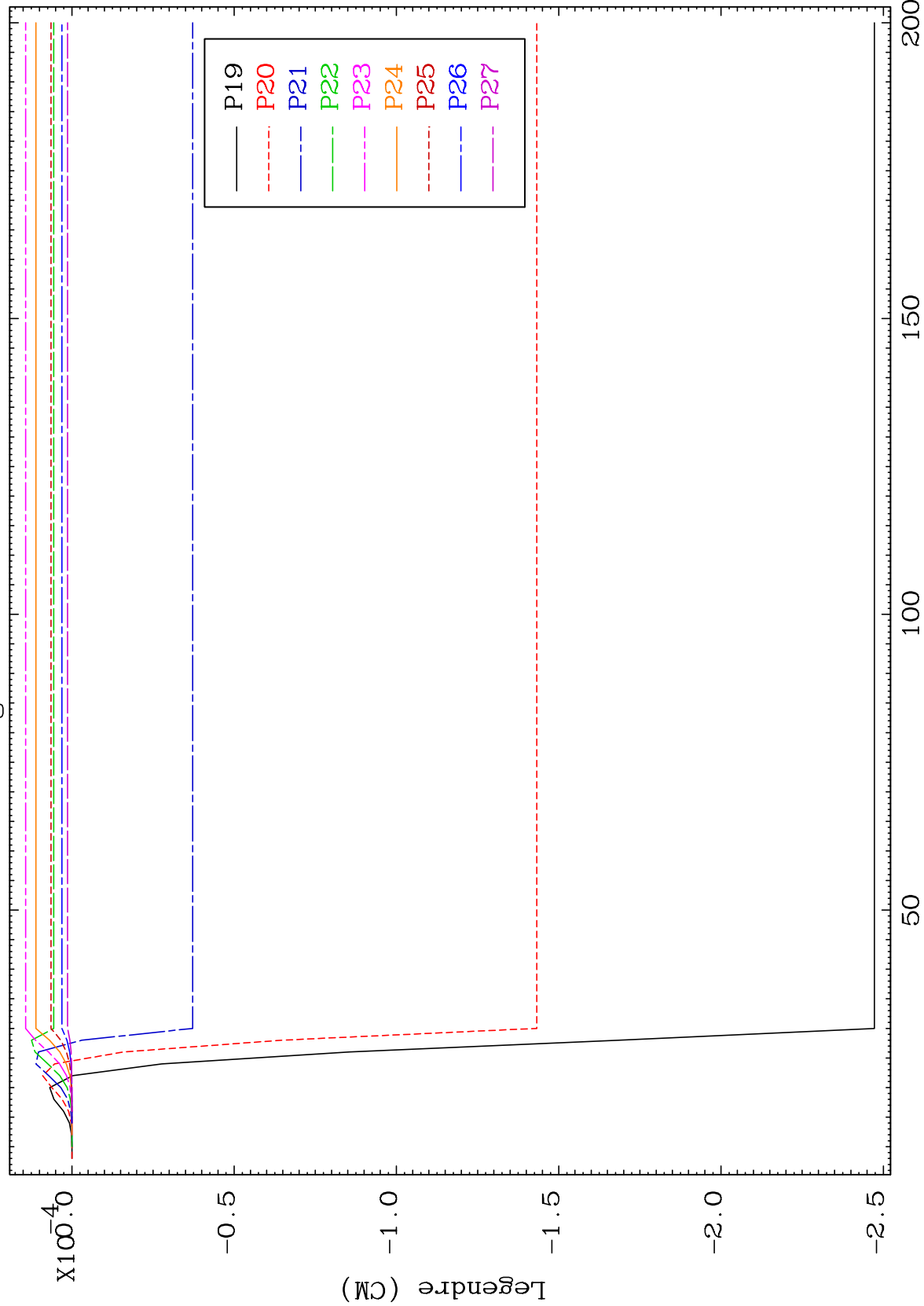
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



56-Ba-138

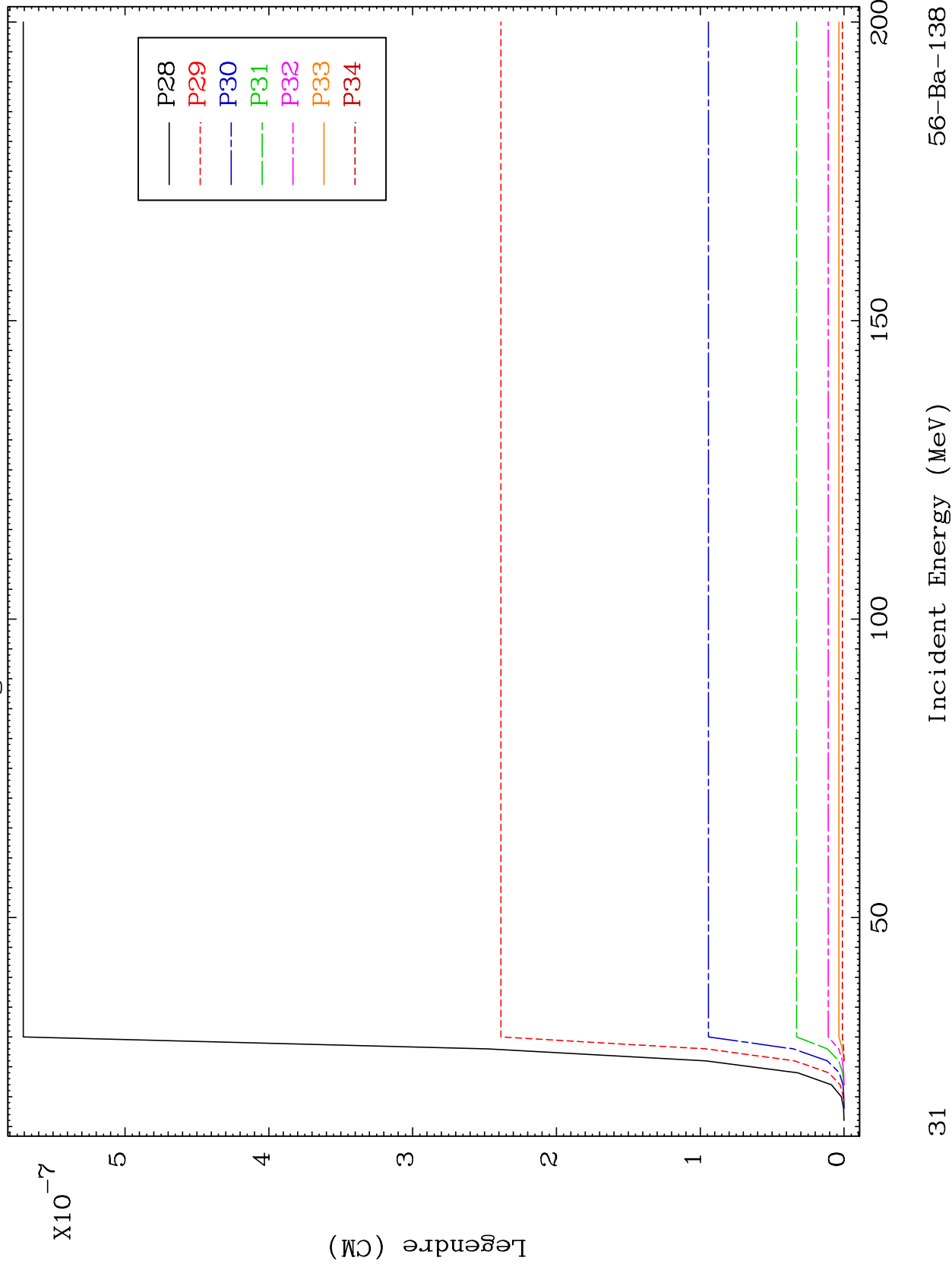
Incident Energy (MeV)

30

MAT 5649

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

56-Ba-138

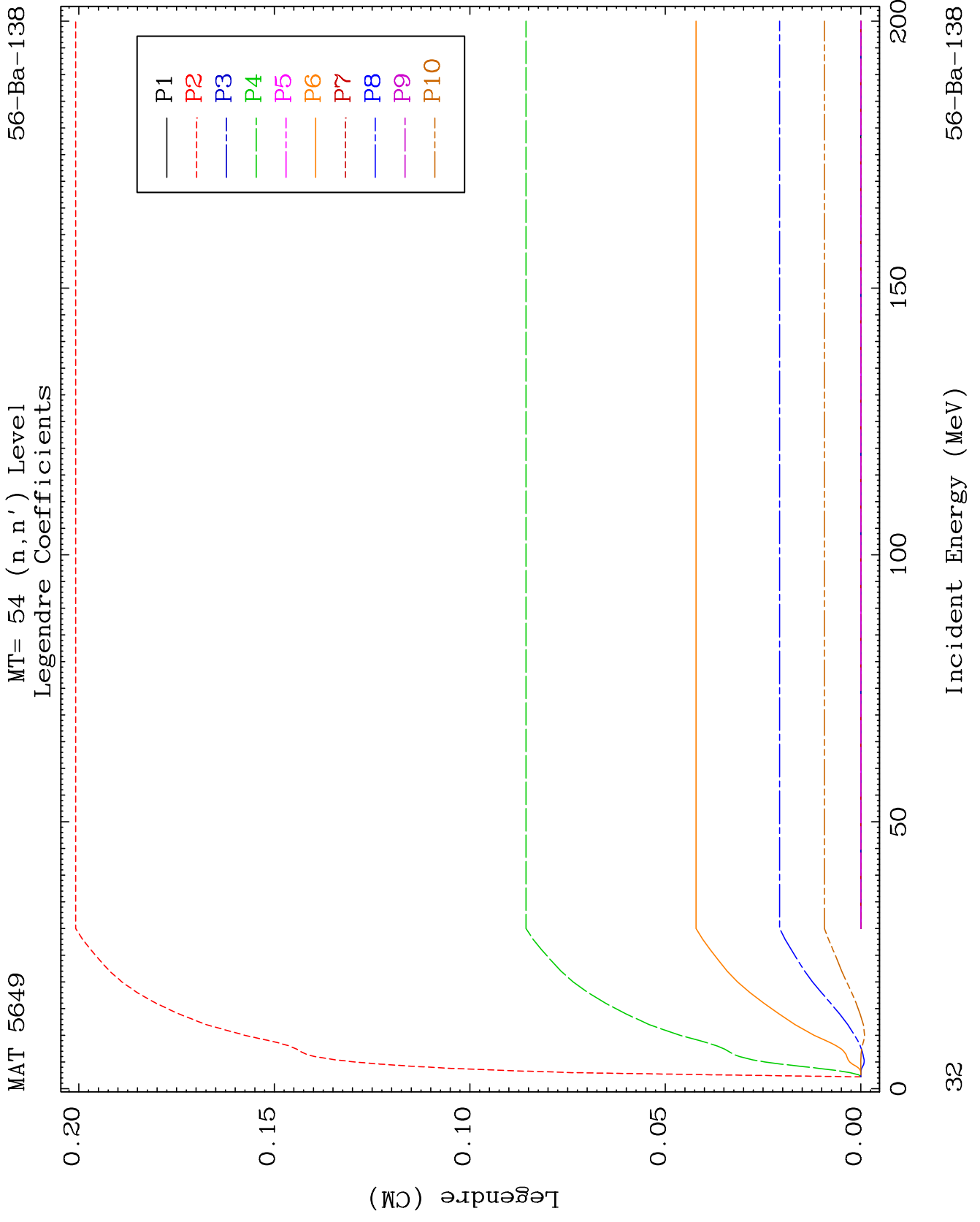


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Incident Energy (MeV)

56-Ba-138

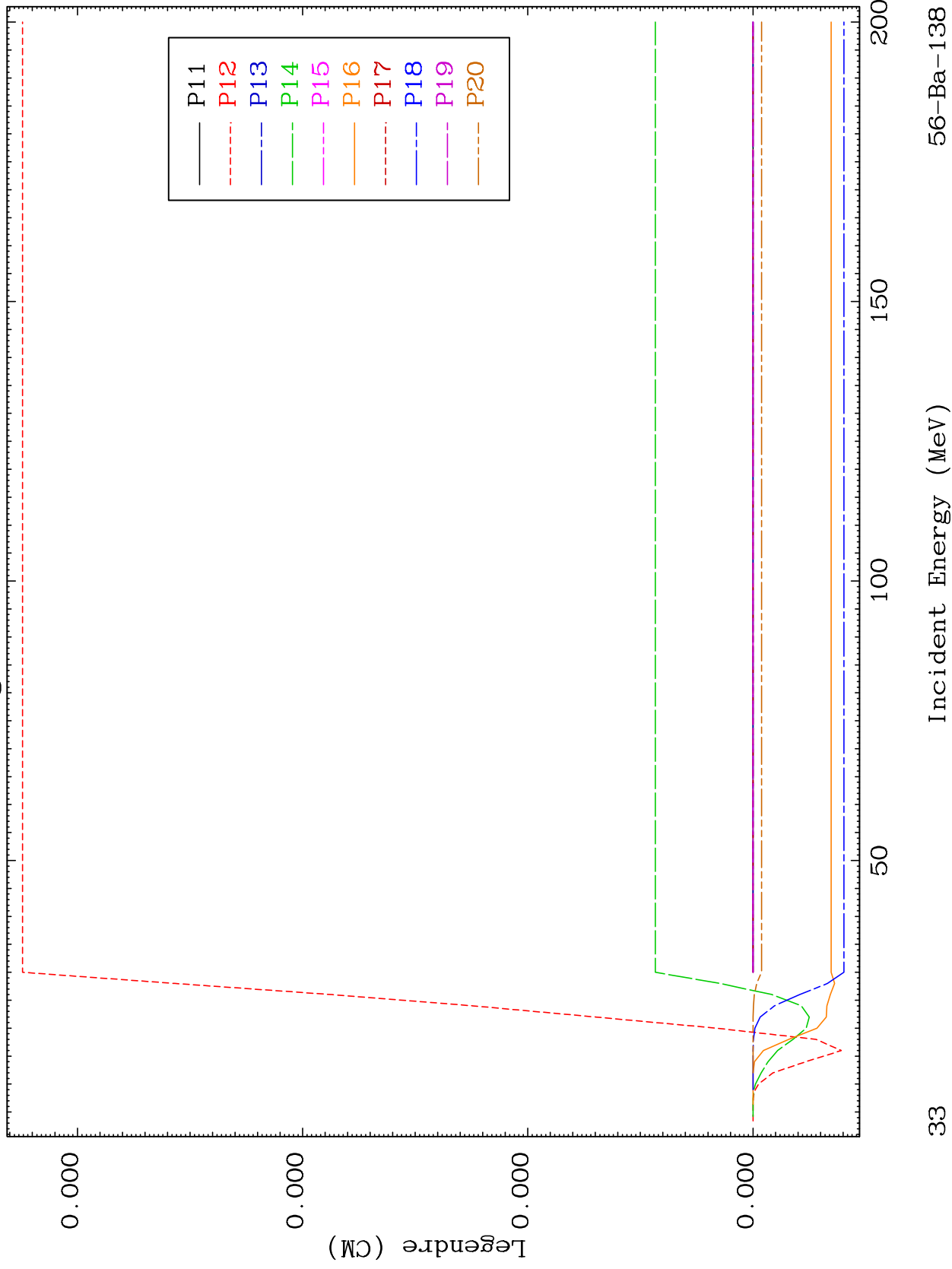




MAT 5649

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

56-Ba-138



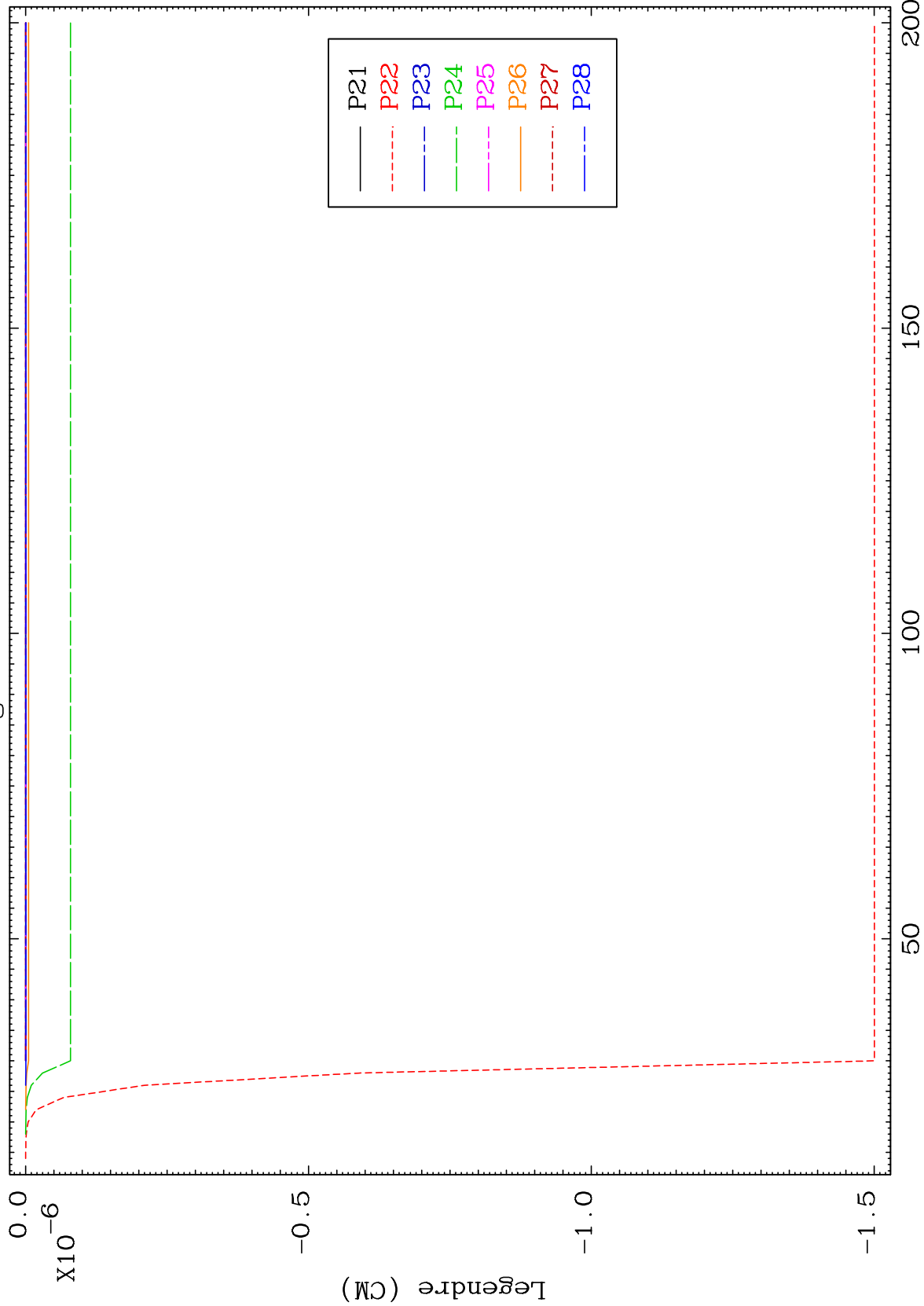
33

56-Ba-138

MAT 5649

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

56-Ba-138



56-Ba-138

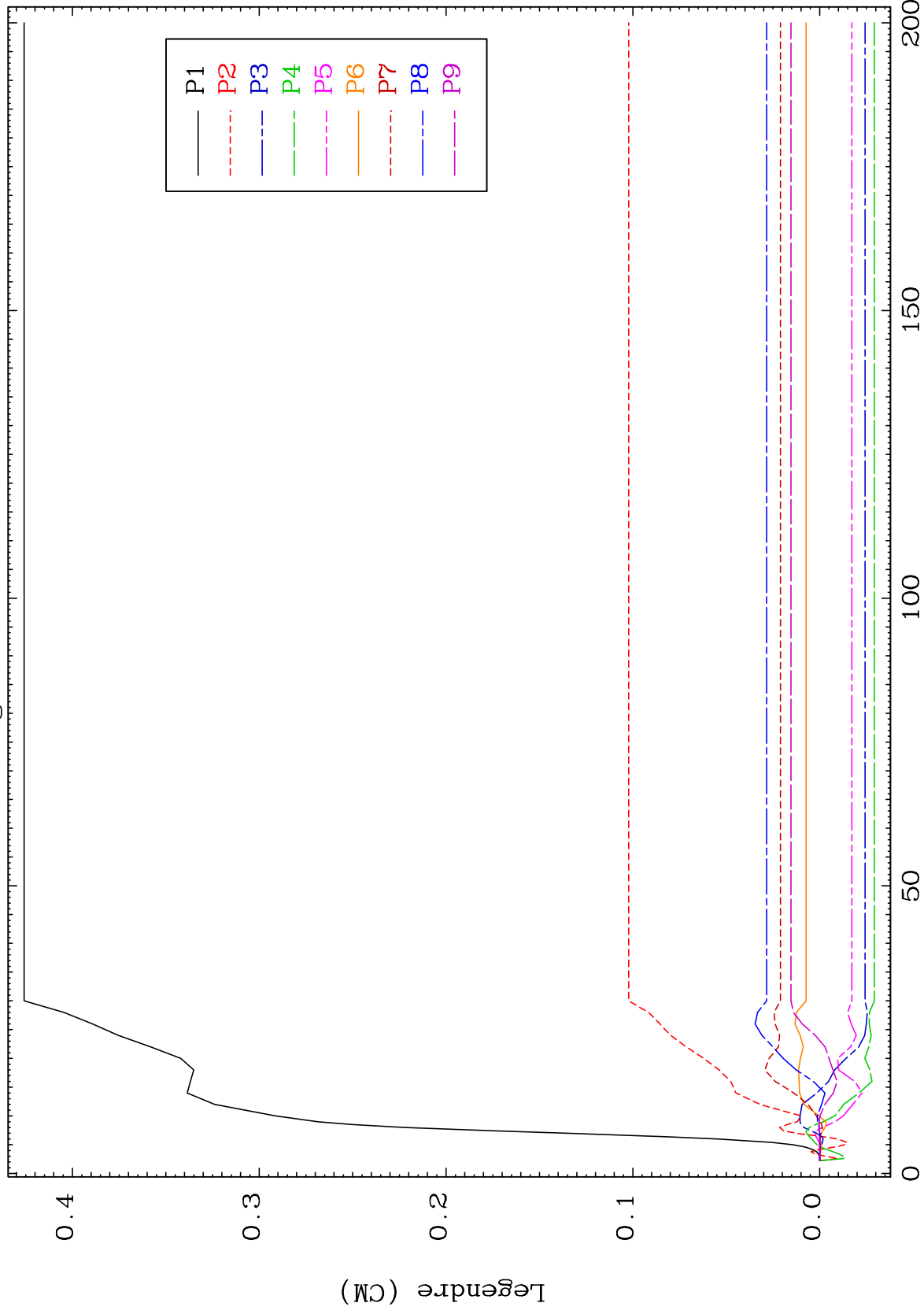
Incident Energy (MeV)

34

MAT 5649

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

56-Ba-138



35

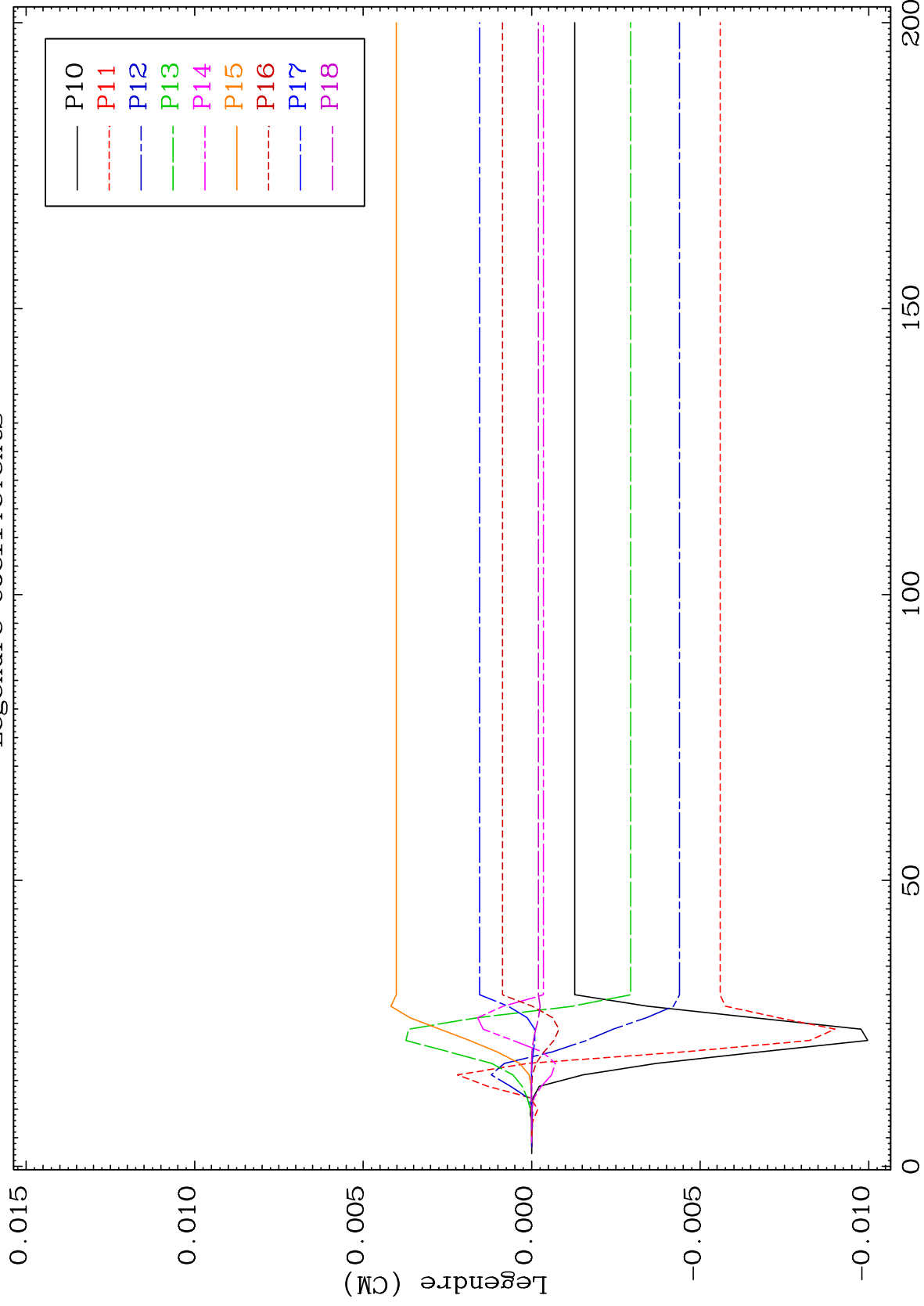
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



36

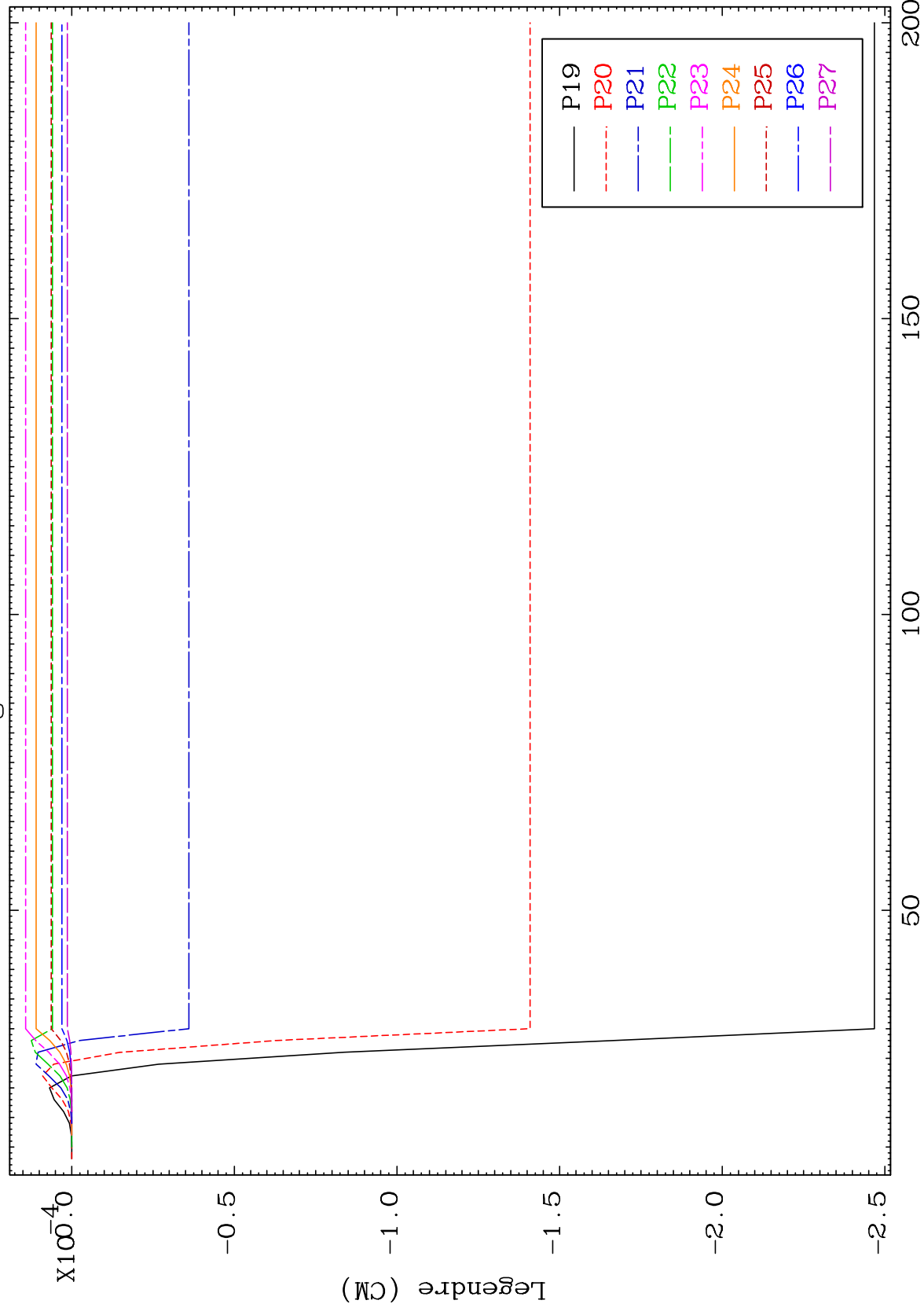
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

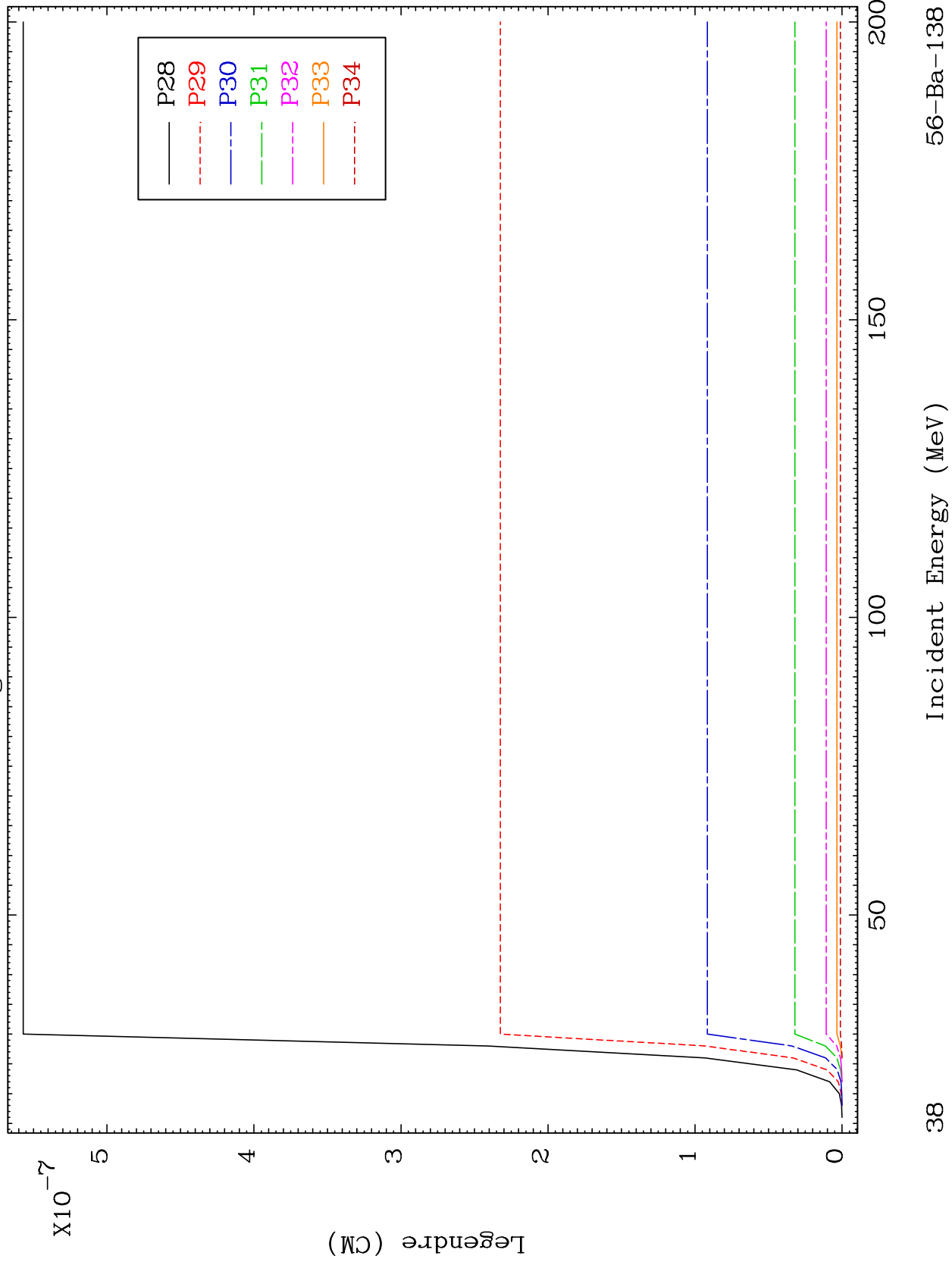
56-Ba-138

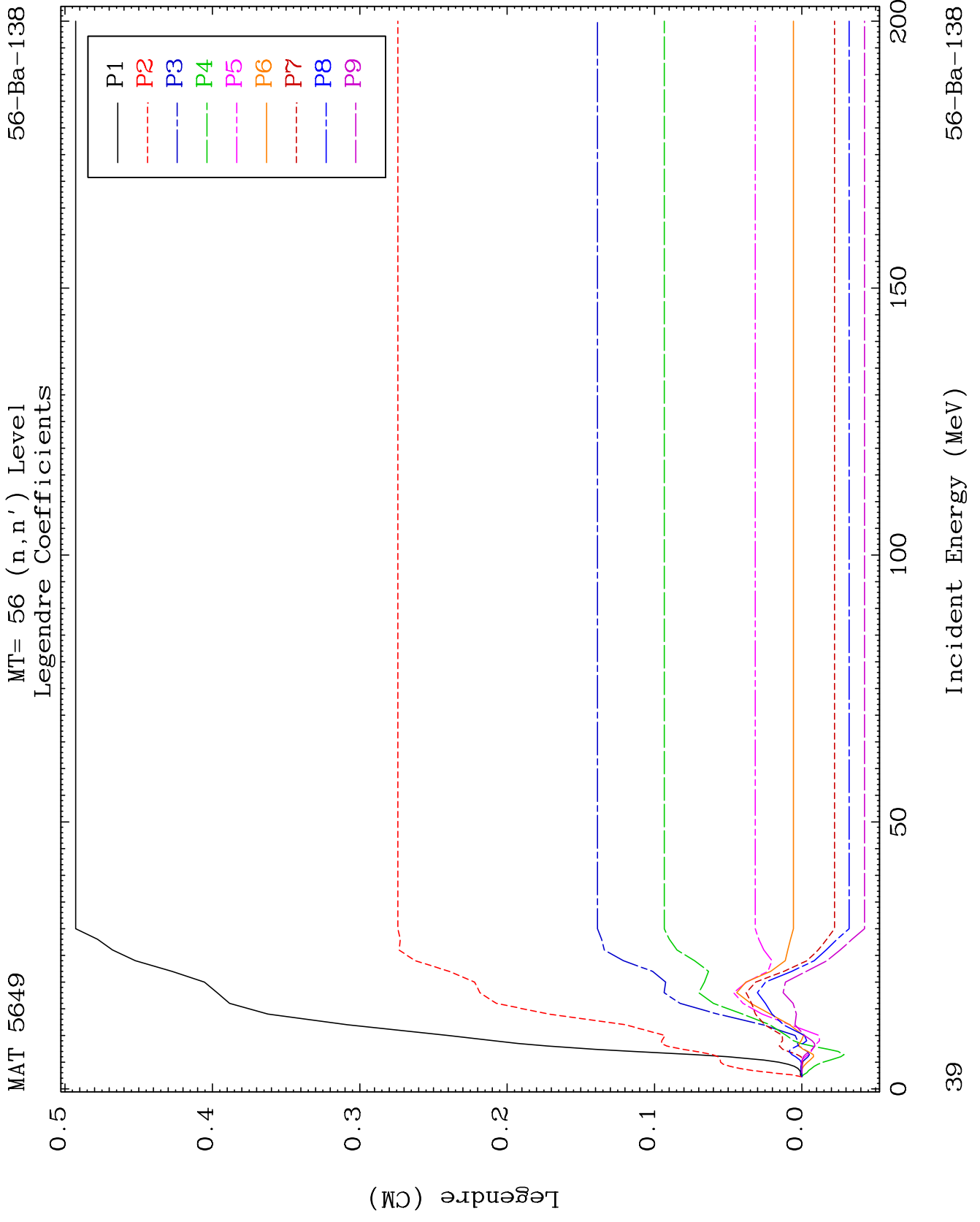


MAT 5649

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

56-Ba-138



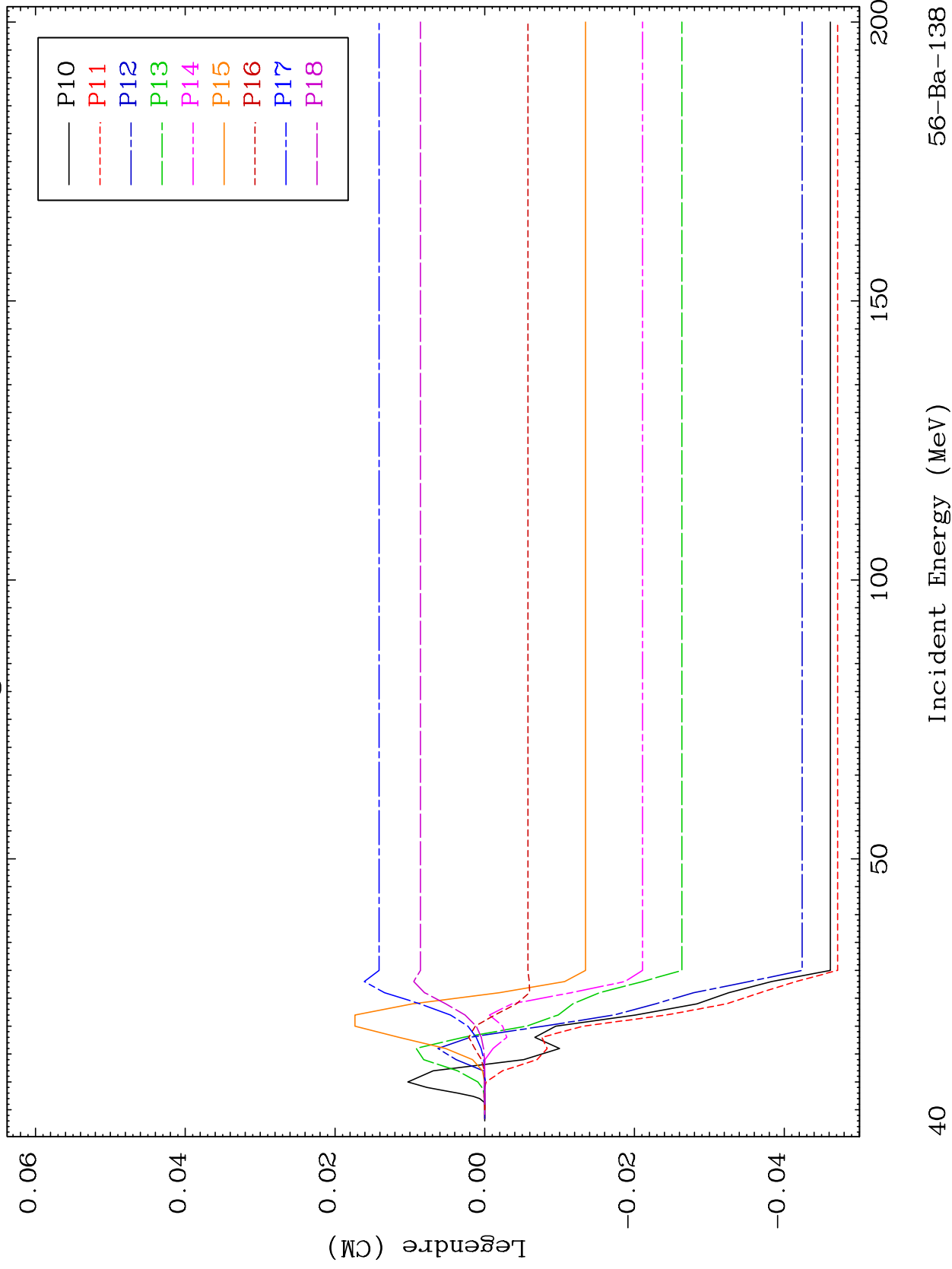




MAT 5649

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

56-Ba-138



56-Ba-138

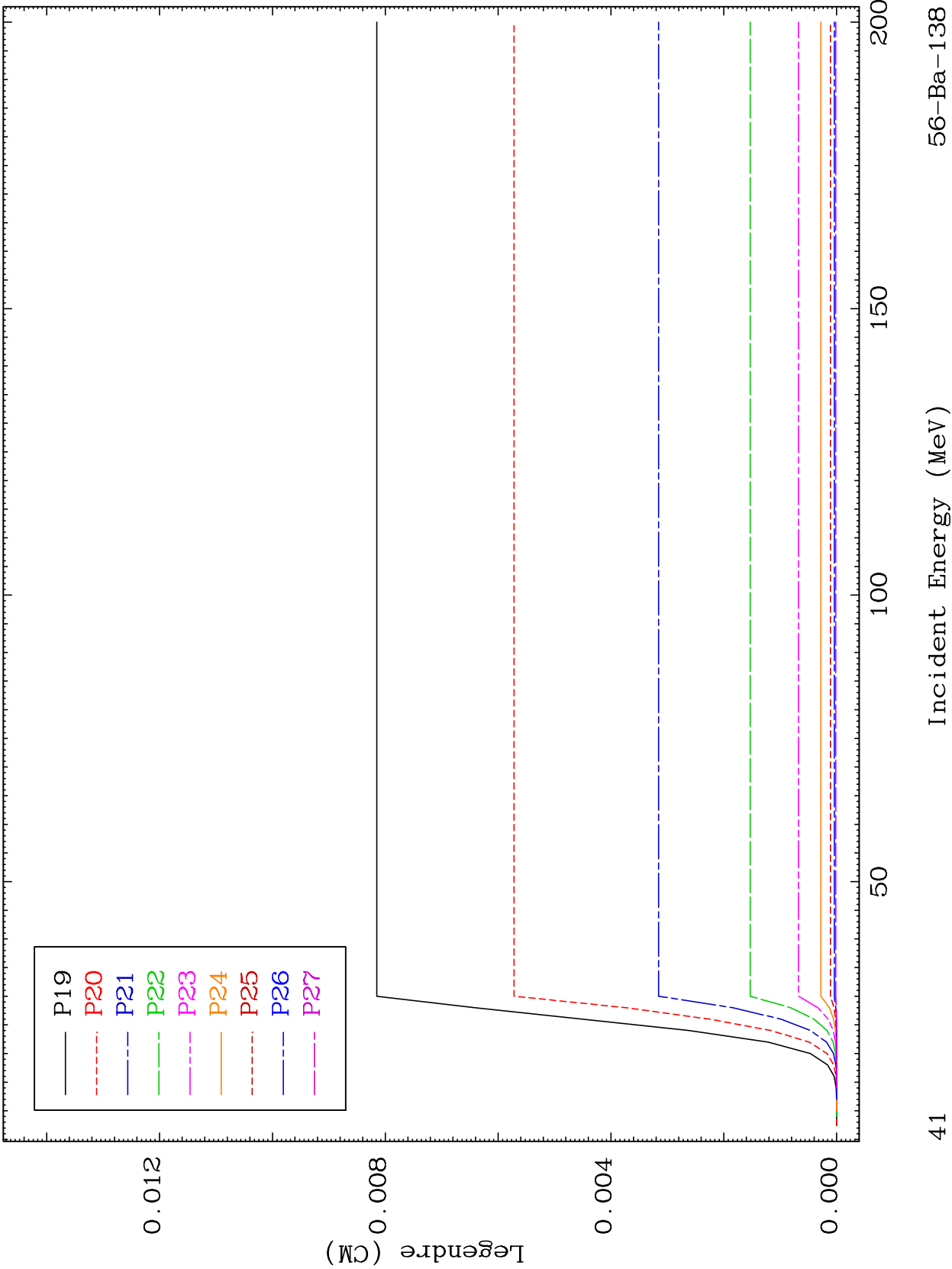
Incident Energy (MeV)

40

MAT 5649

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

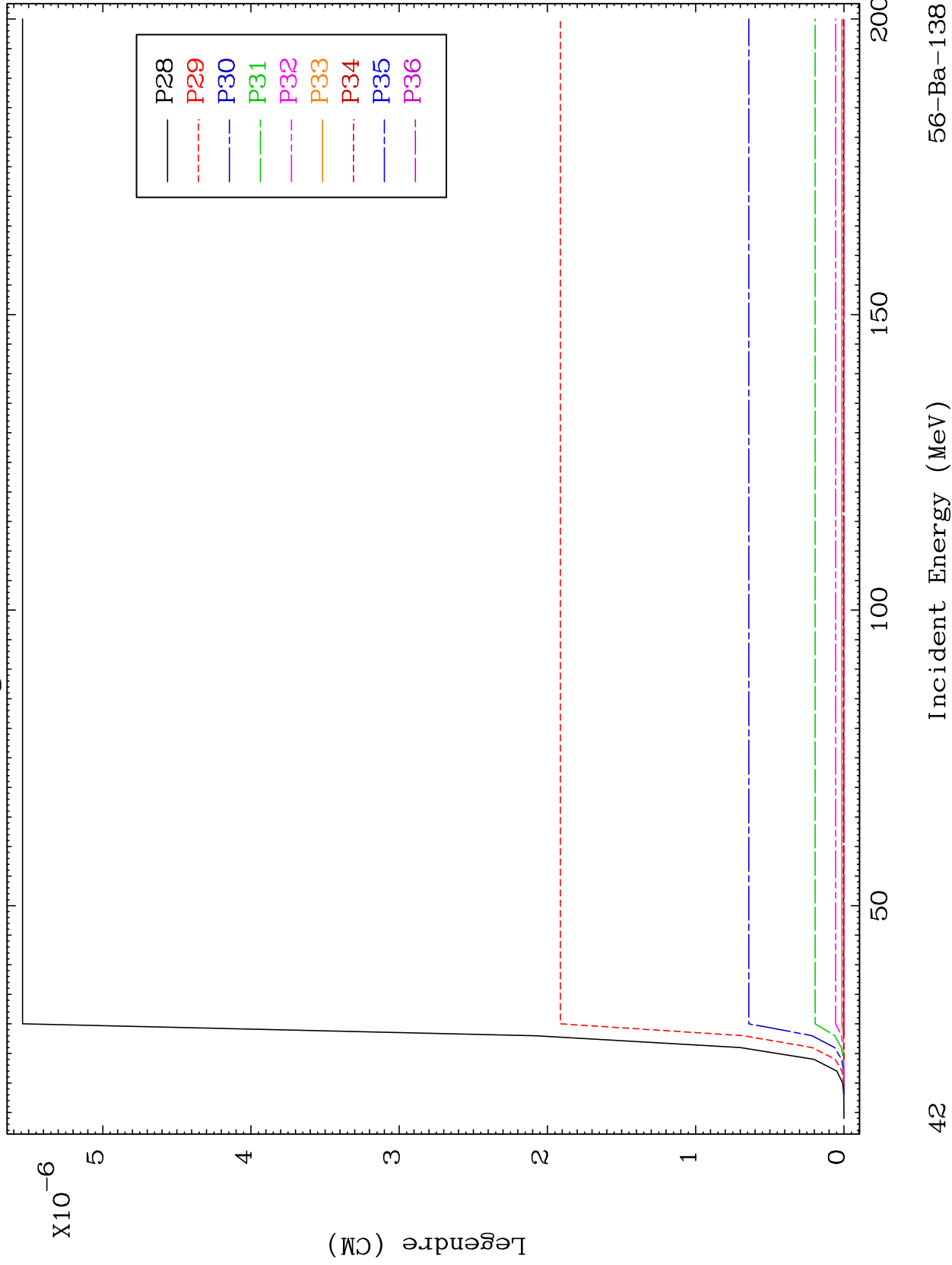
56-Ba-138



MAT 5649

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

56-Ba-138



42

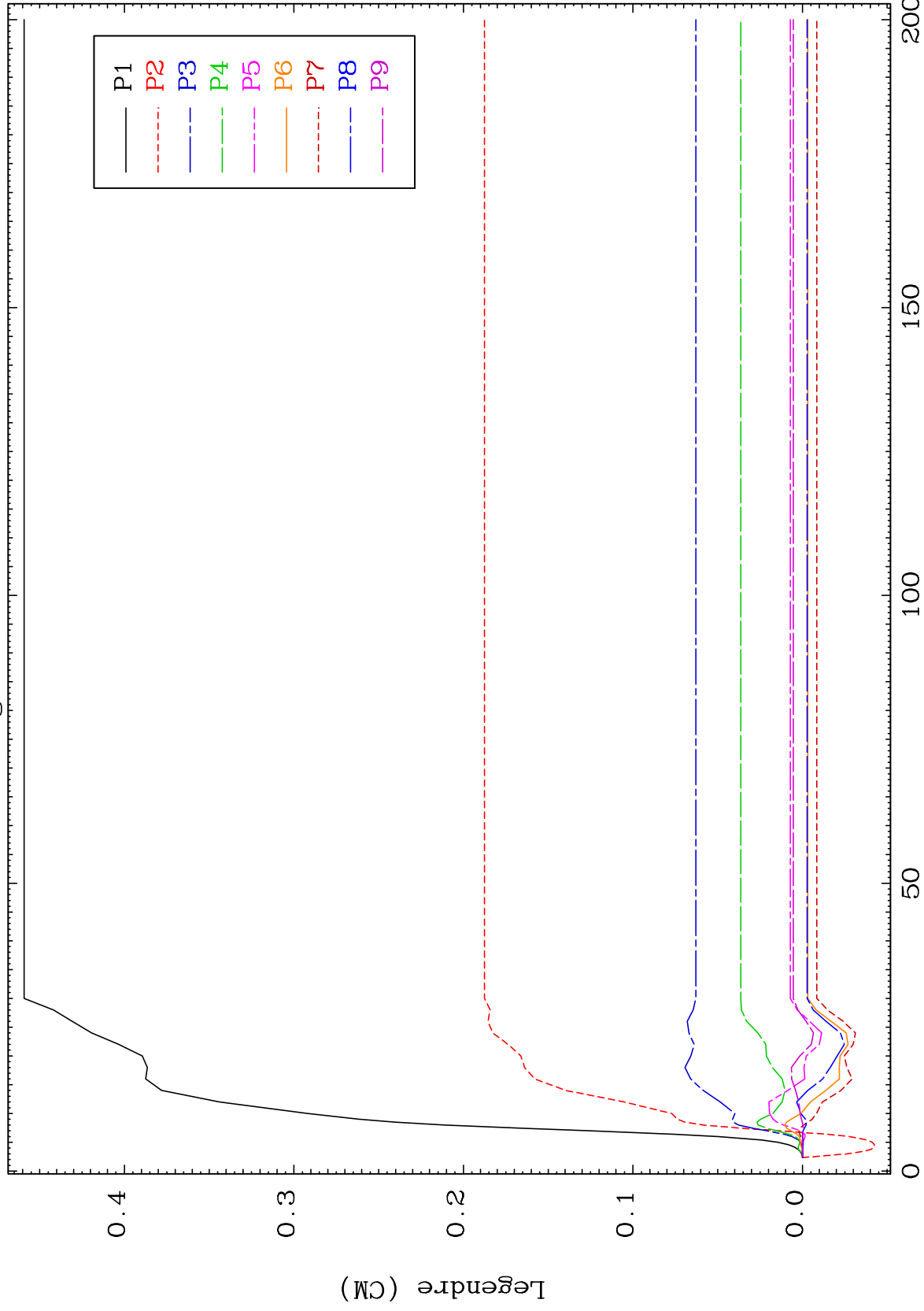
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



56-Ba-138

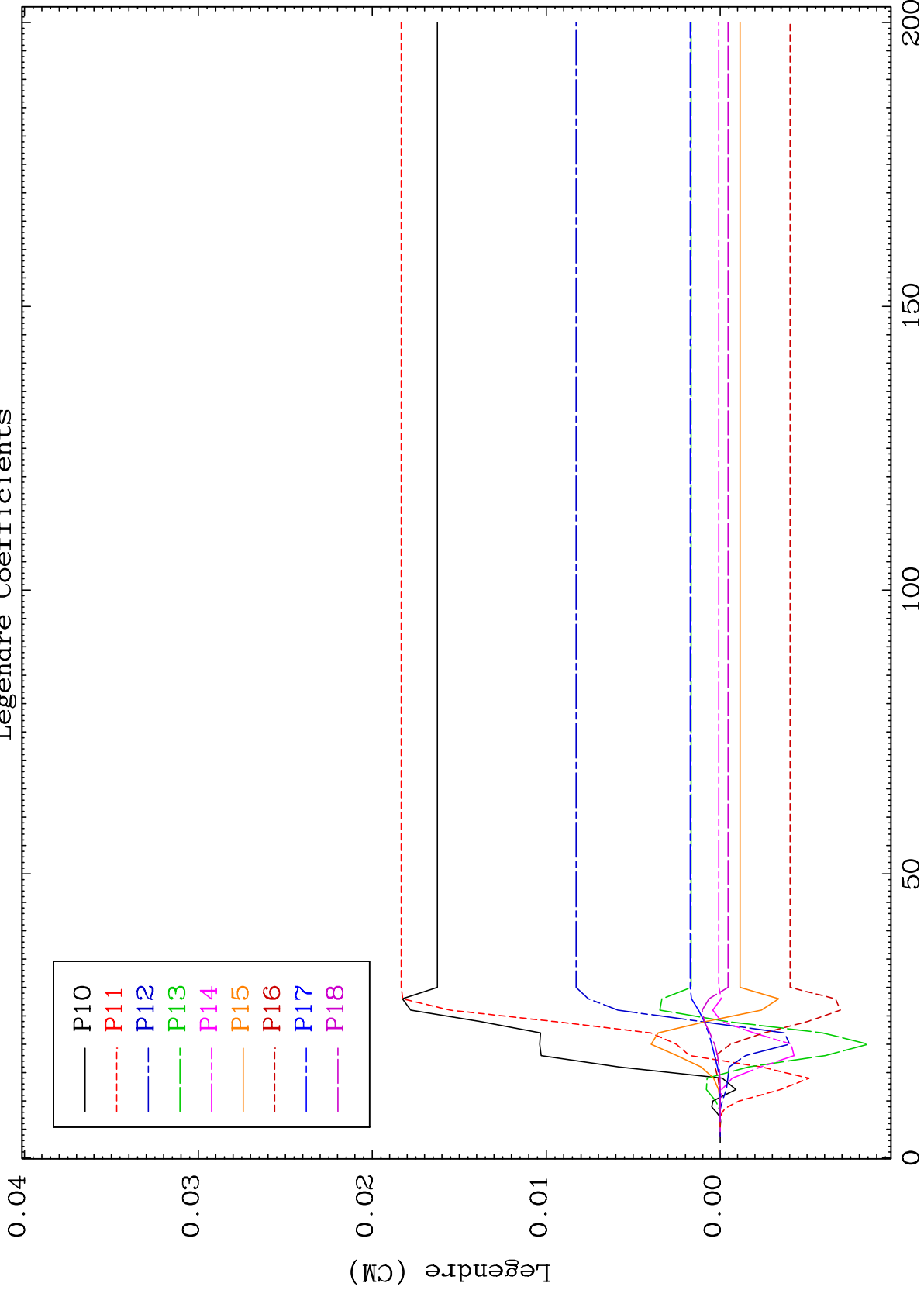
Incident Energy (MeV)

43

MAT 5649

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

56-Ba-138



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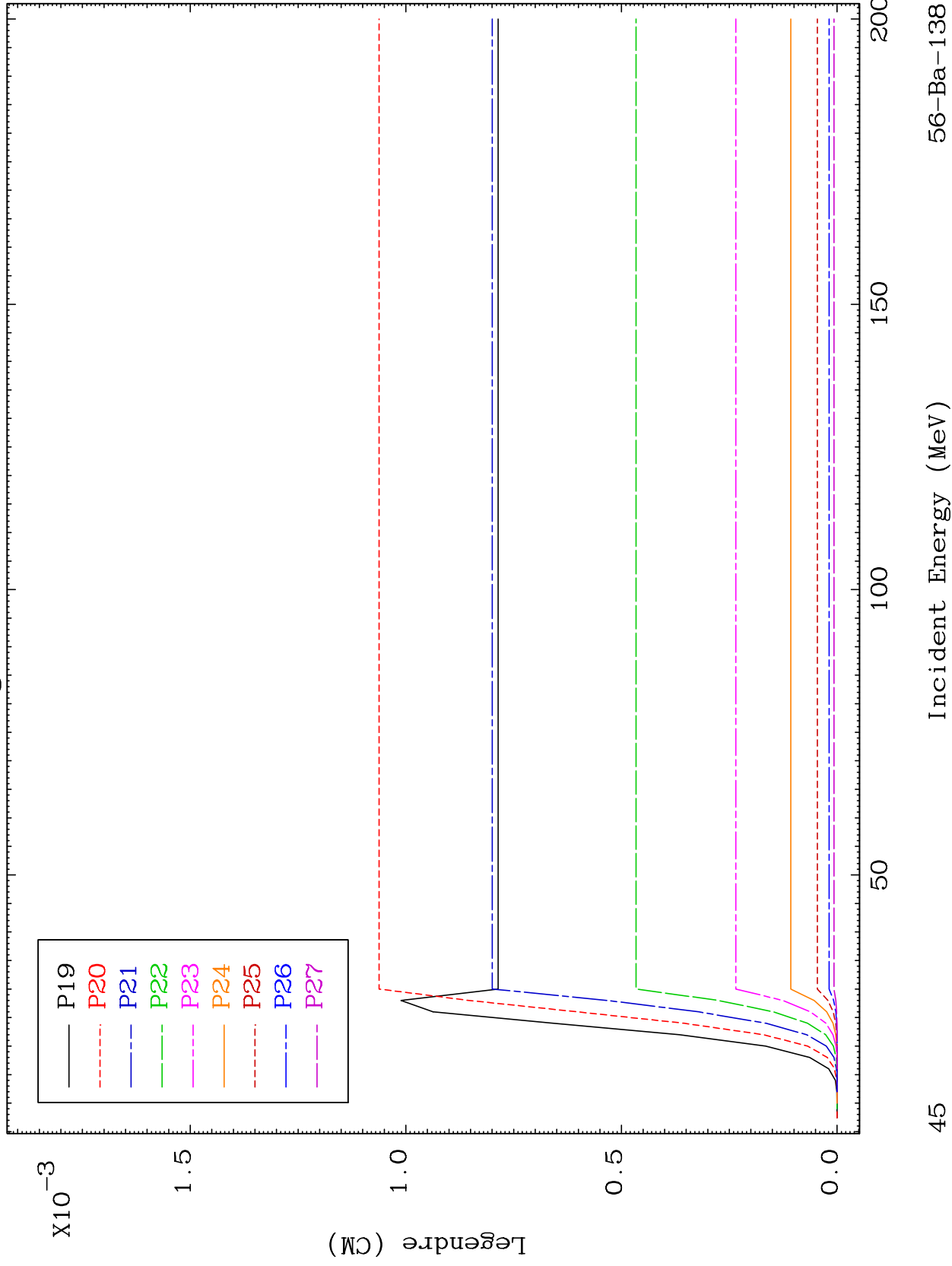
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



56-Ba-138

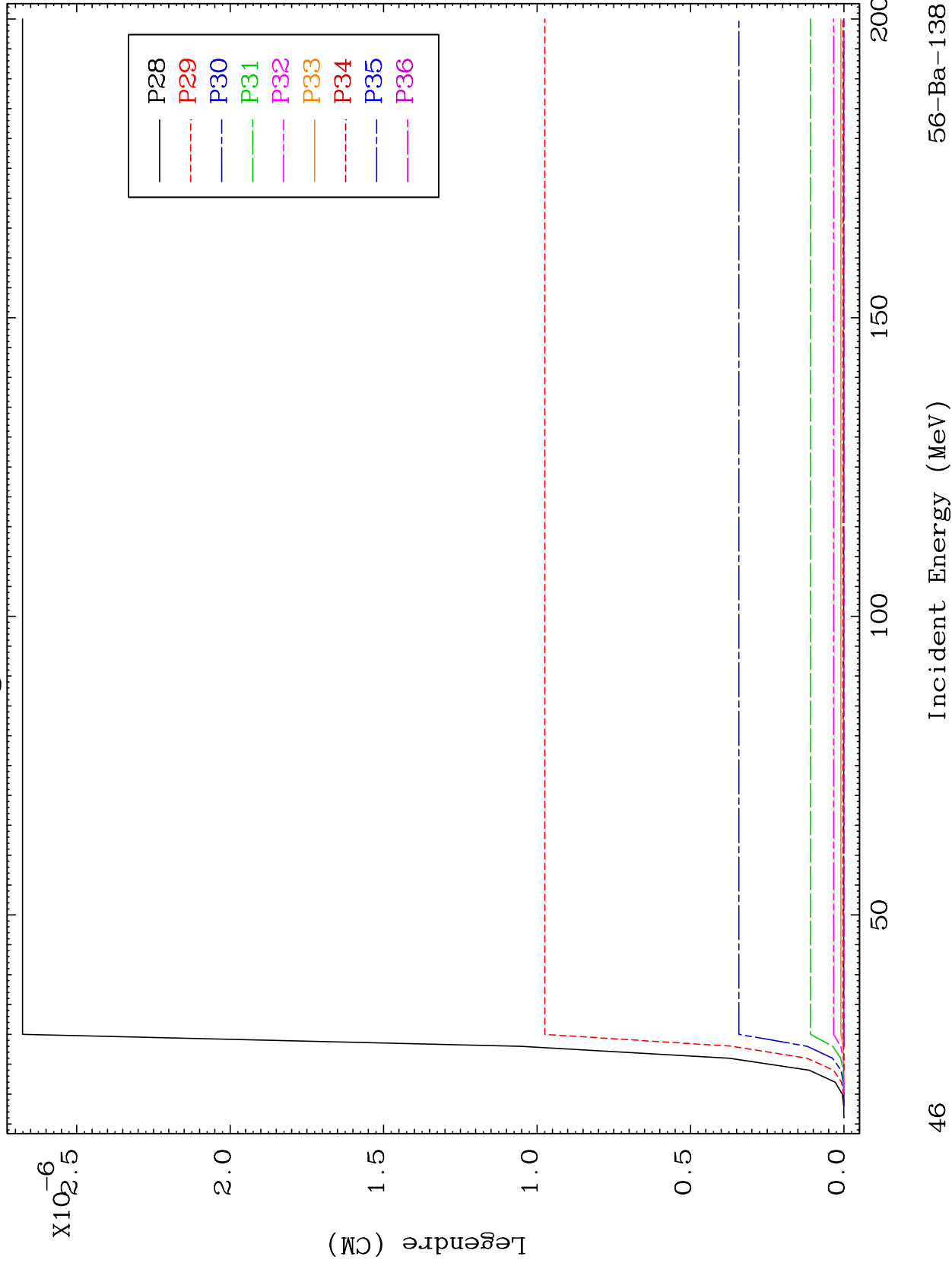
Incident Energy (MeV)

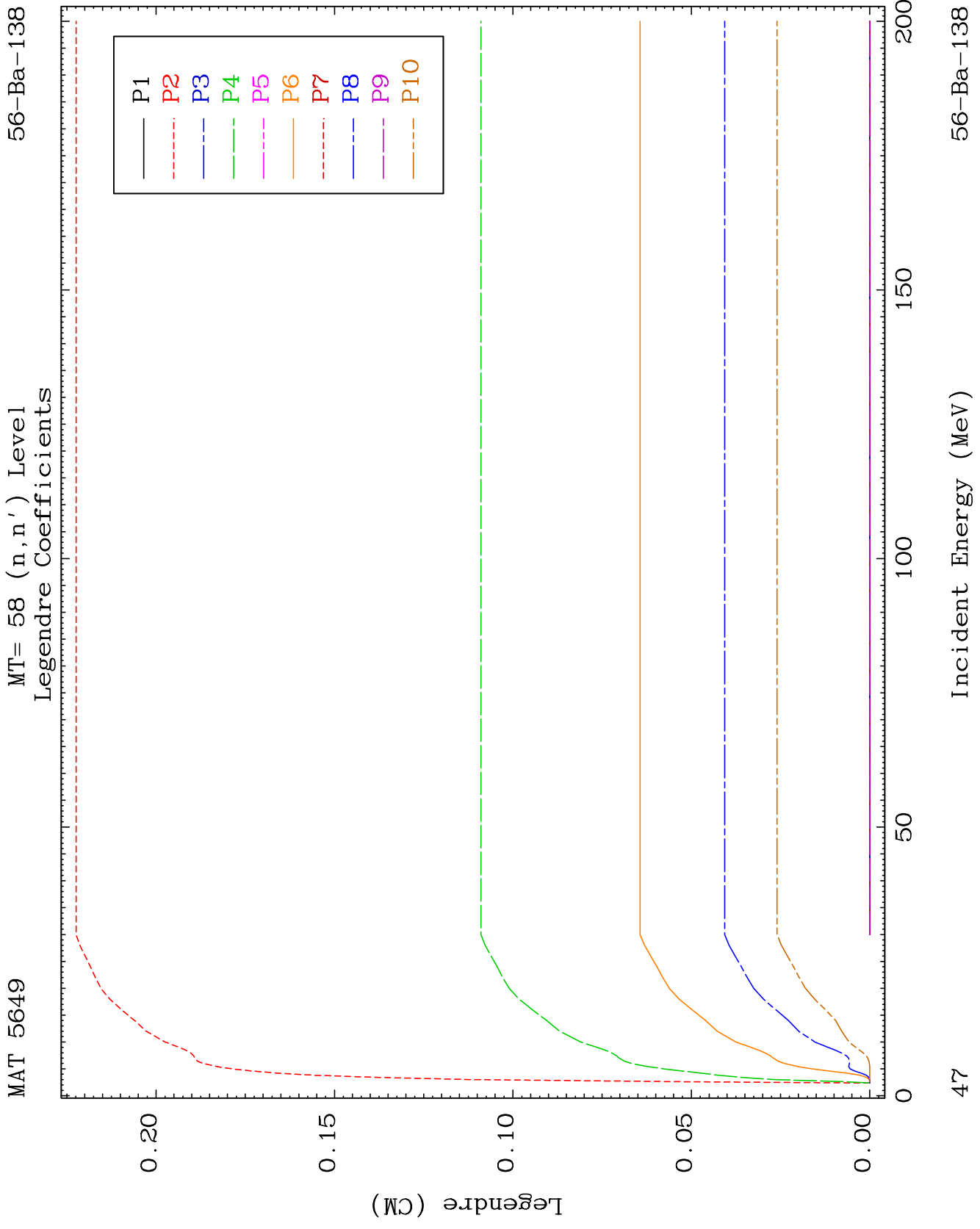
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MAT 5649

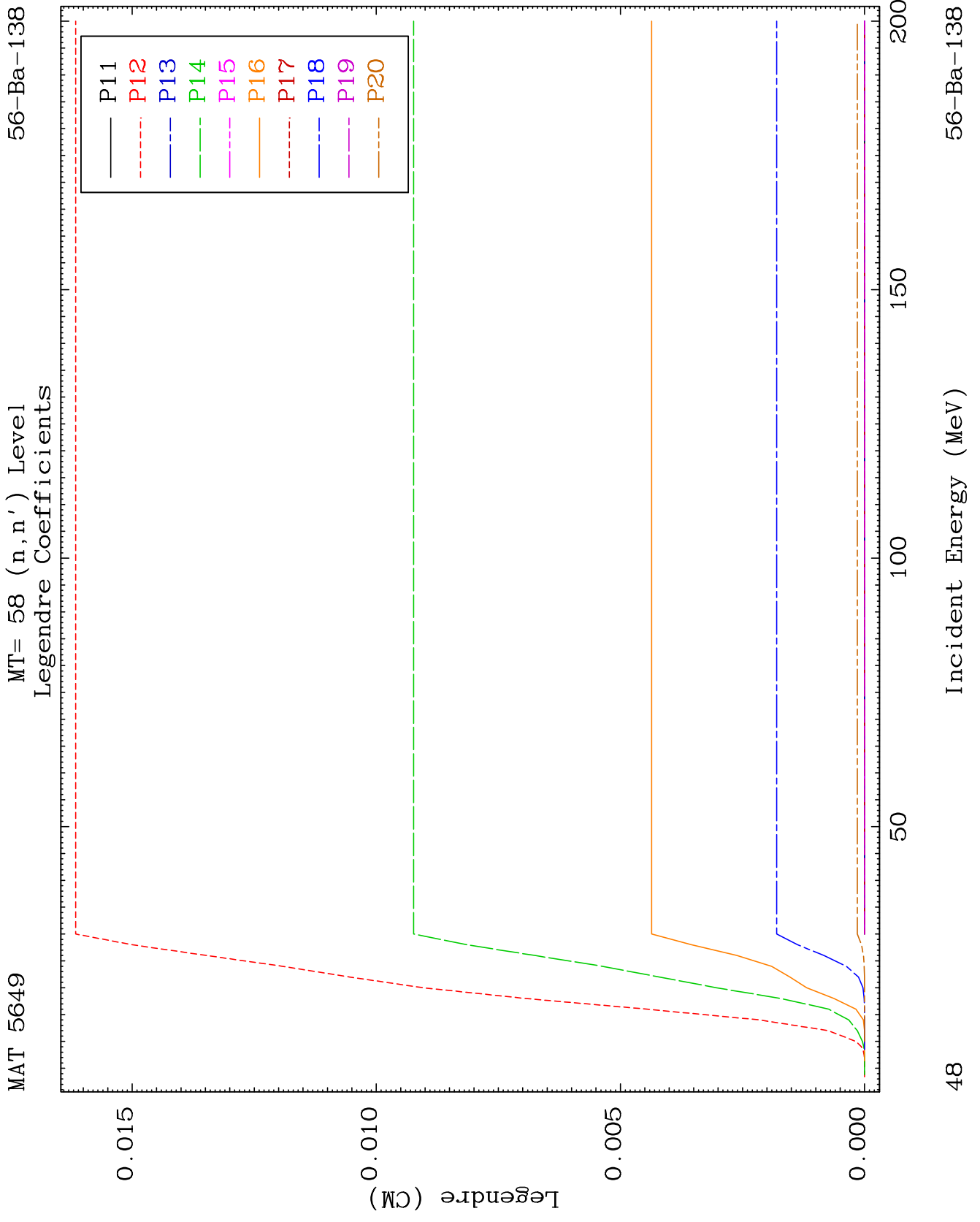
MT= 57 (n,n') Level  
Legendre Coefficients

56-Ba-138









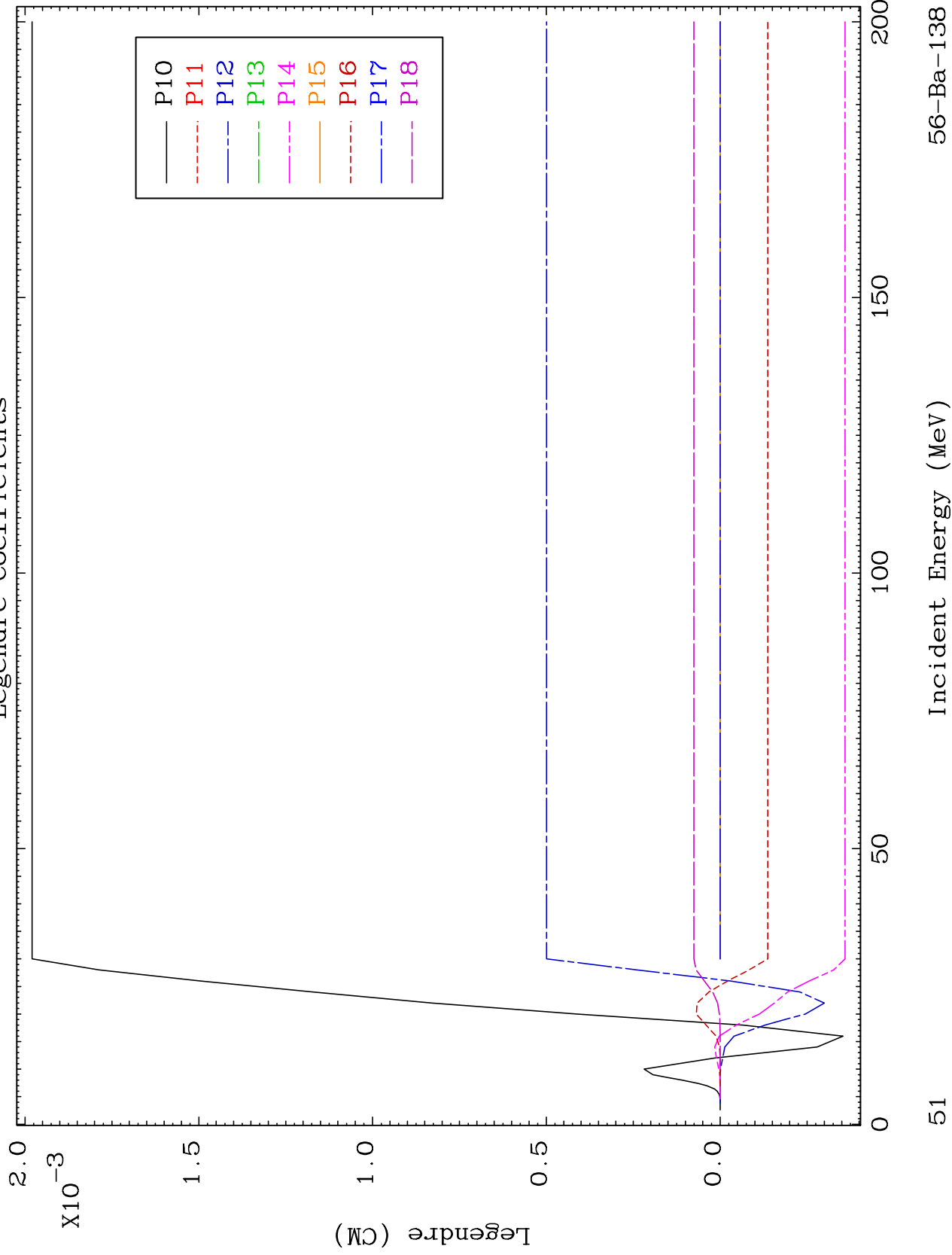




MAT 5649

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

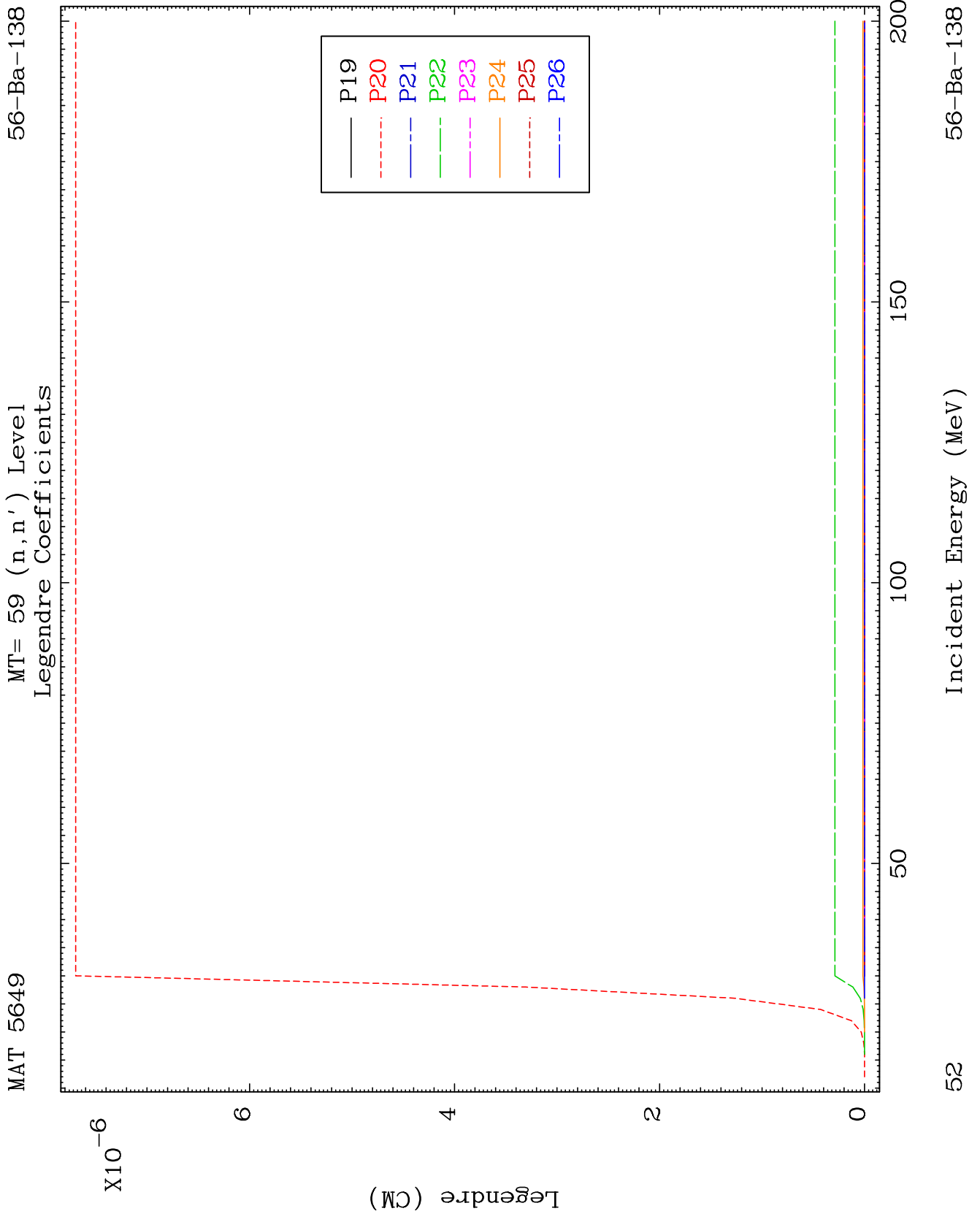
56-Ba-138



51

Incident Energy (MeV)

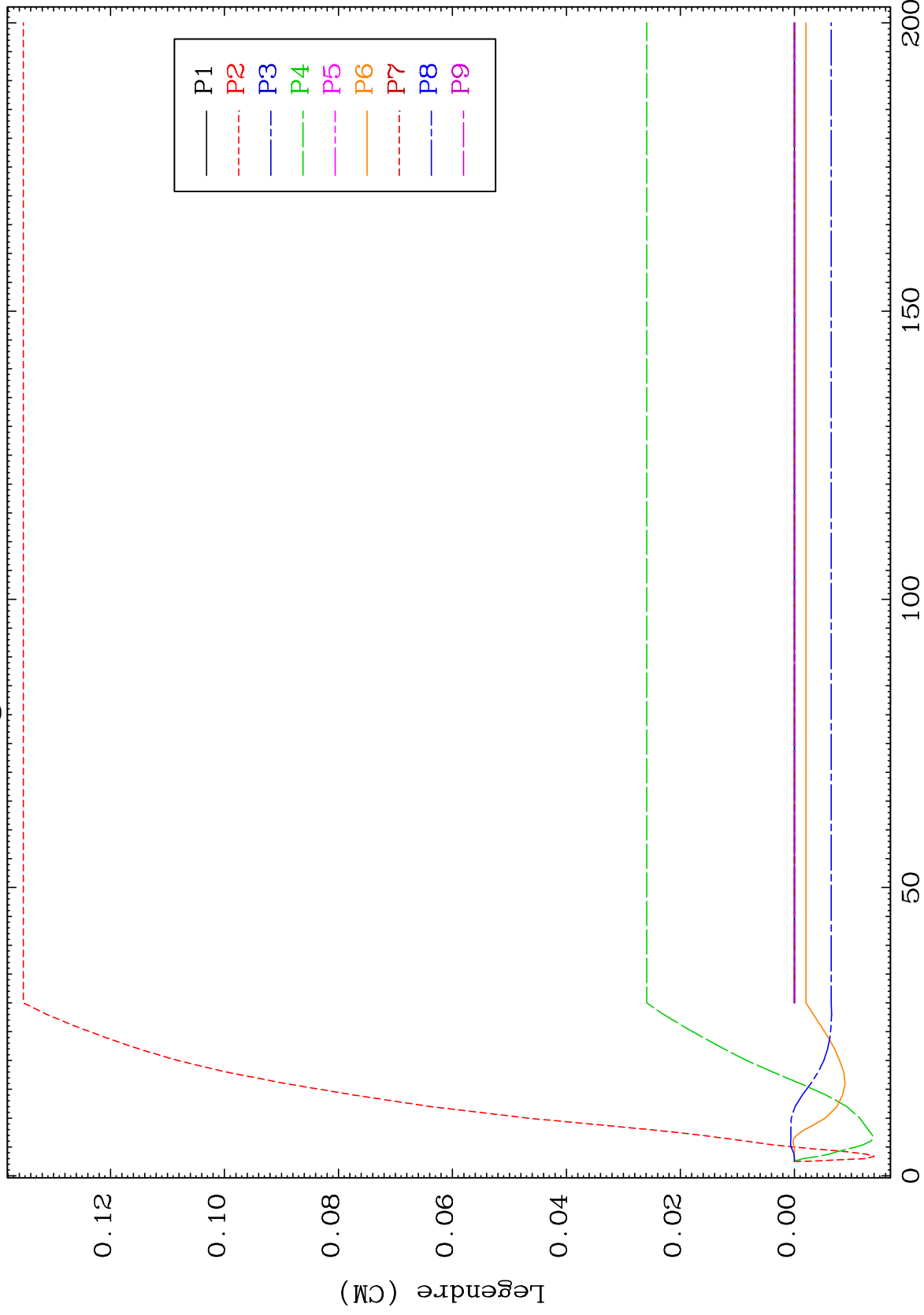
56-Ba-138



MAT 5649

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

56-Ba-138



56-Ba-138

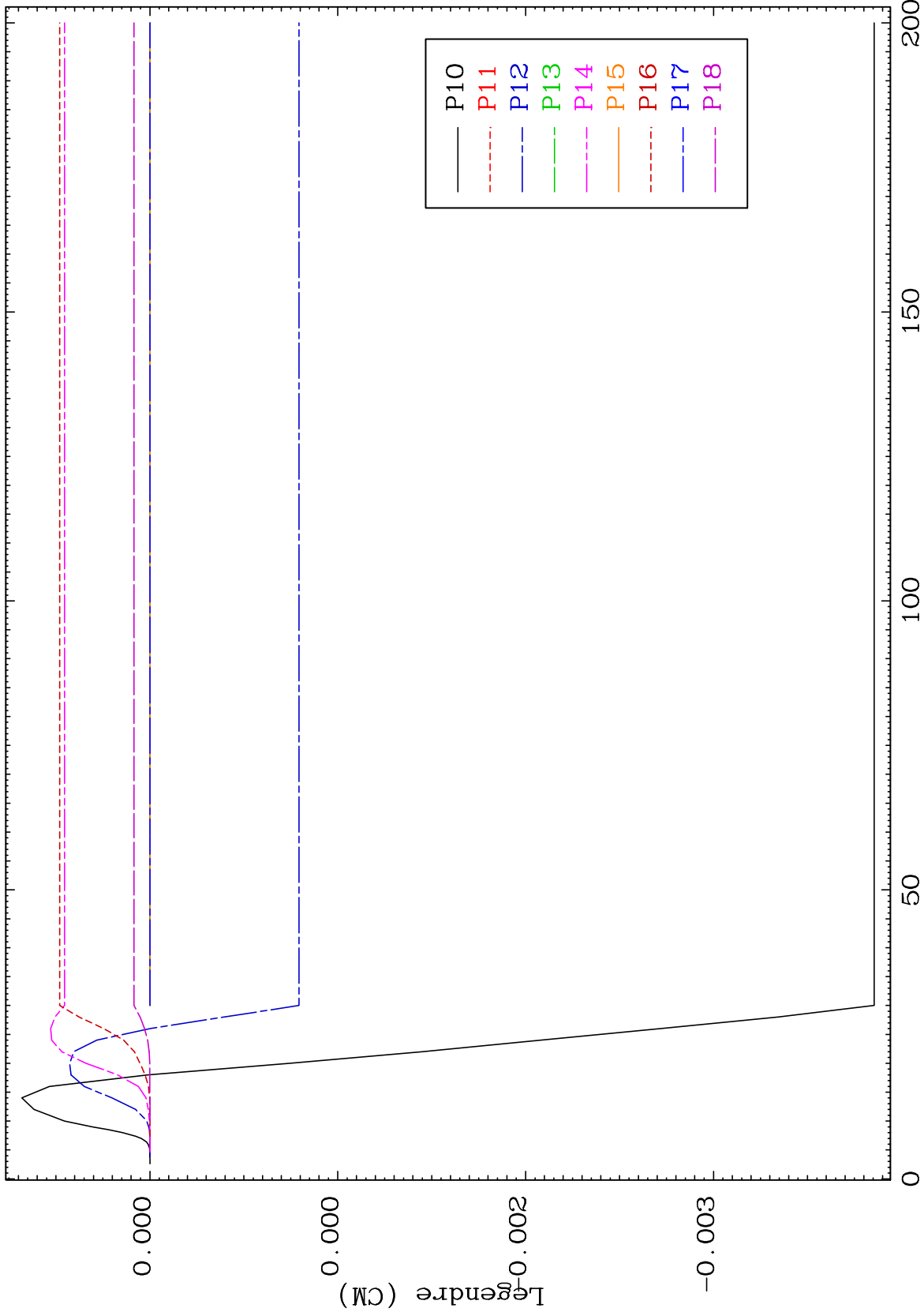
Incident Energy (MeV)

53

MAT 5649

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

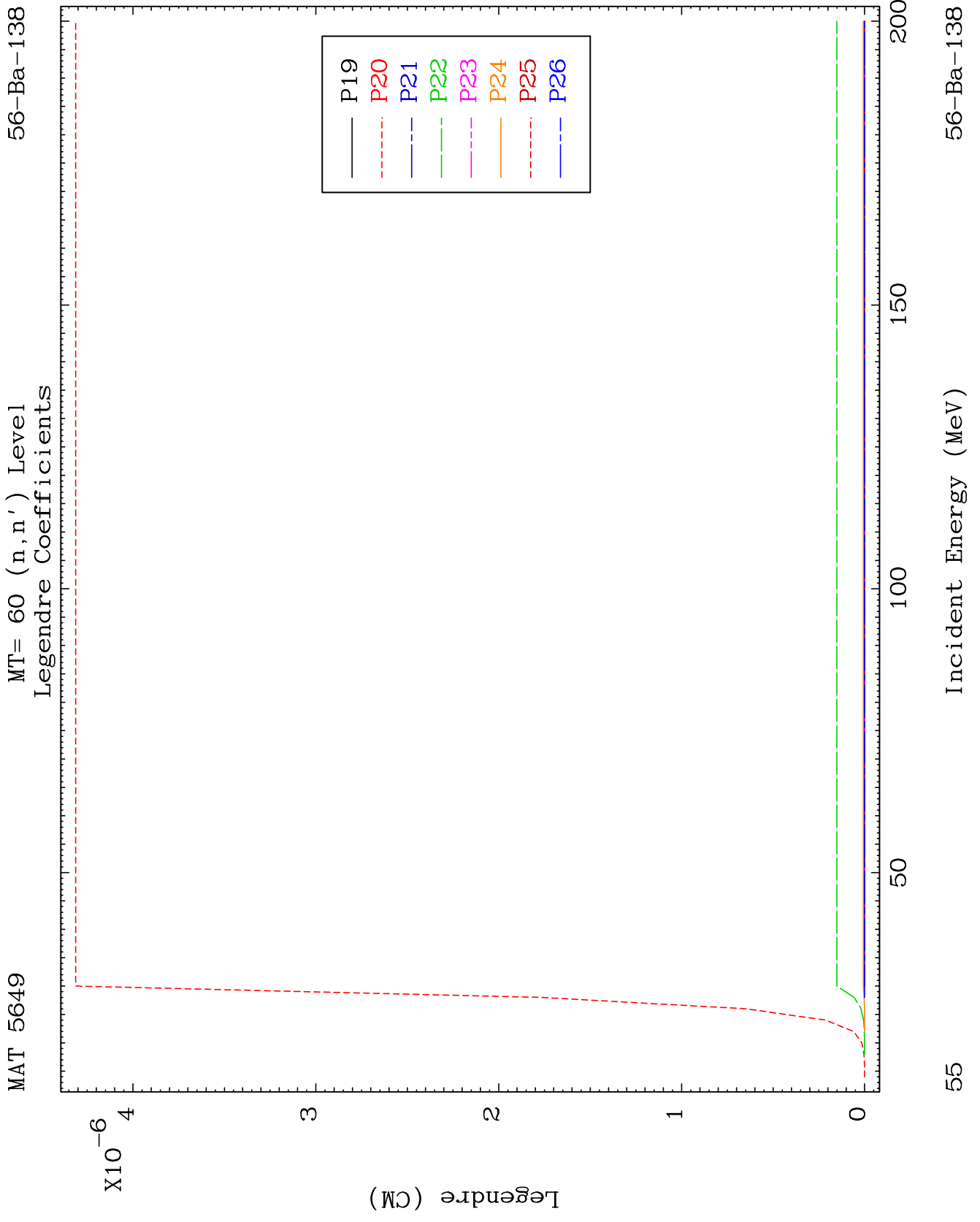
56-Ba-138



54

Incident Energy (MeV)

56-Ba-138

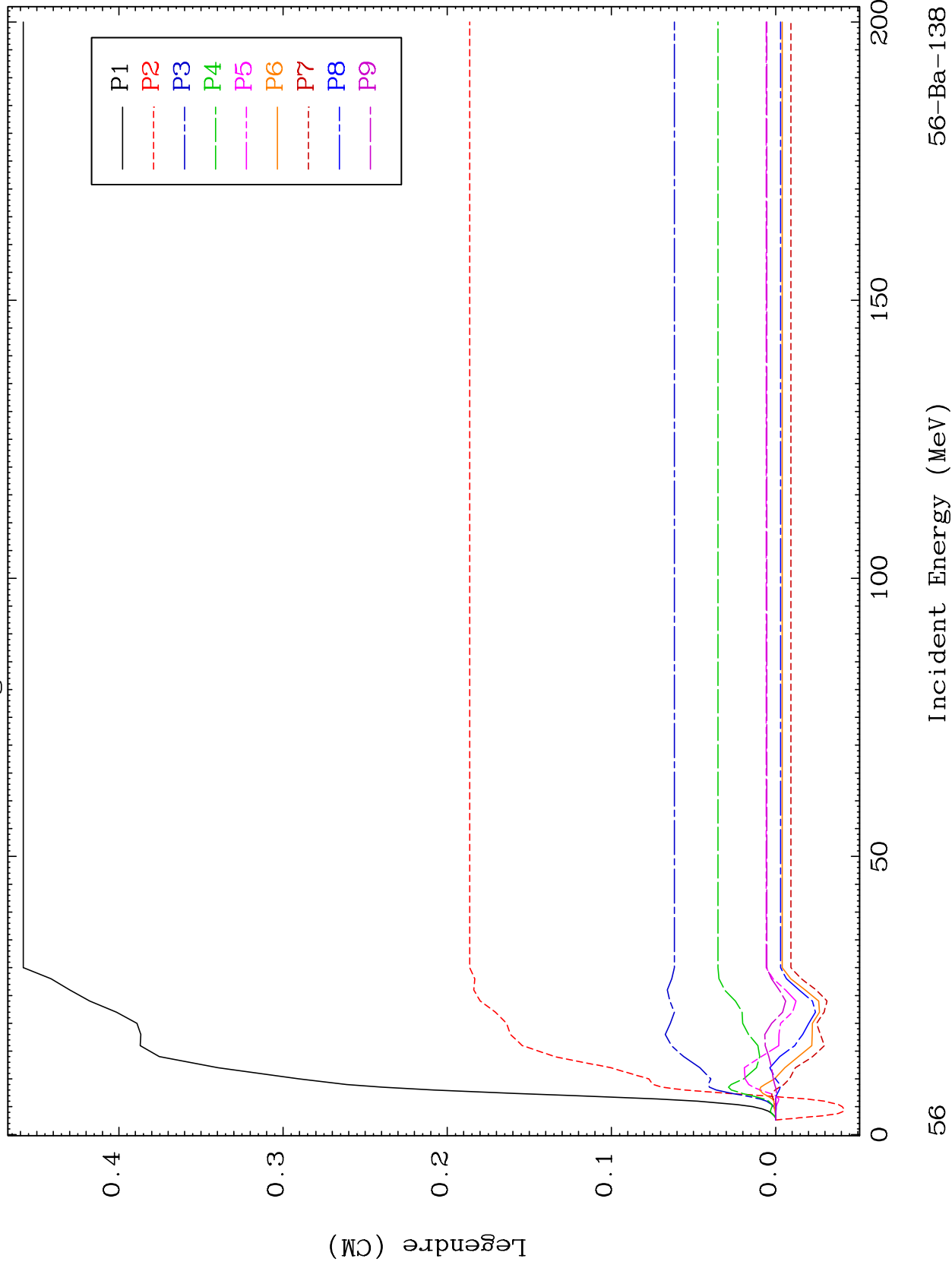




MAT 5649

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

56-Ba-138



56-Ba-138

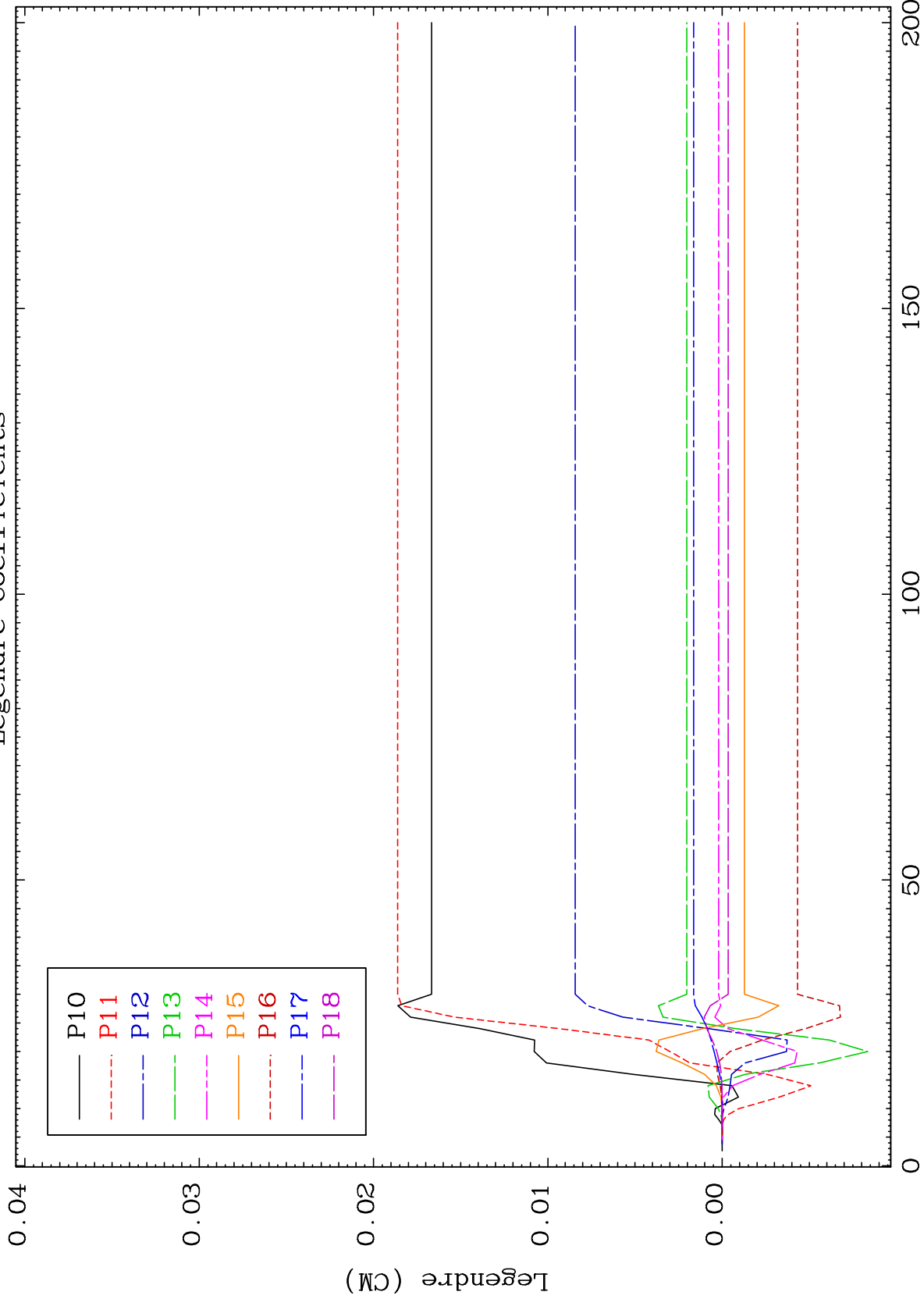
Incident Energy (MeV)

56

MAT 5649

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

56-Ba-138



57

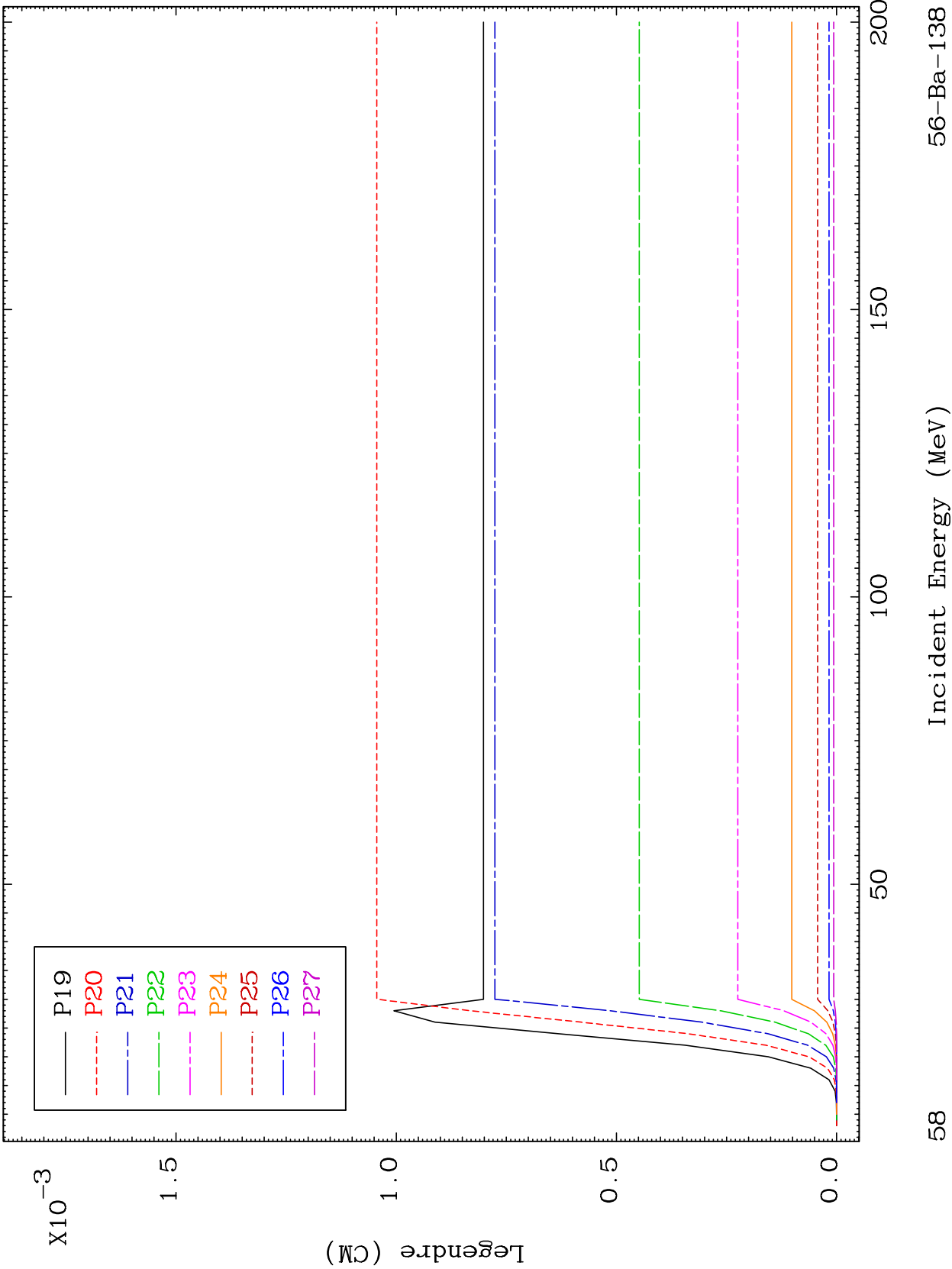
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



58

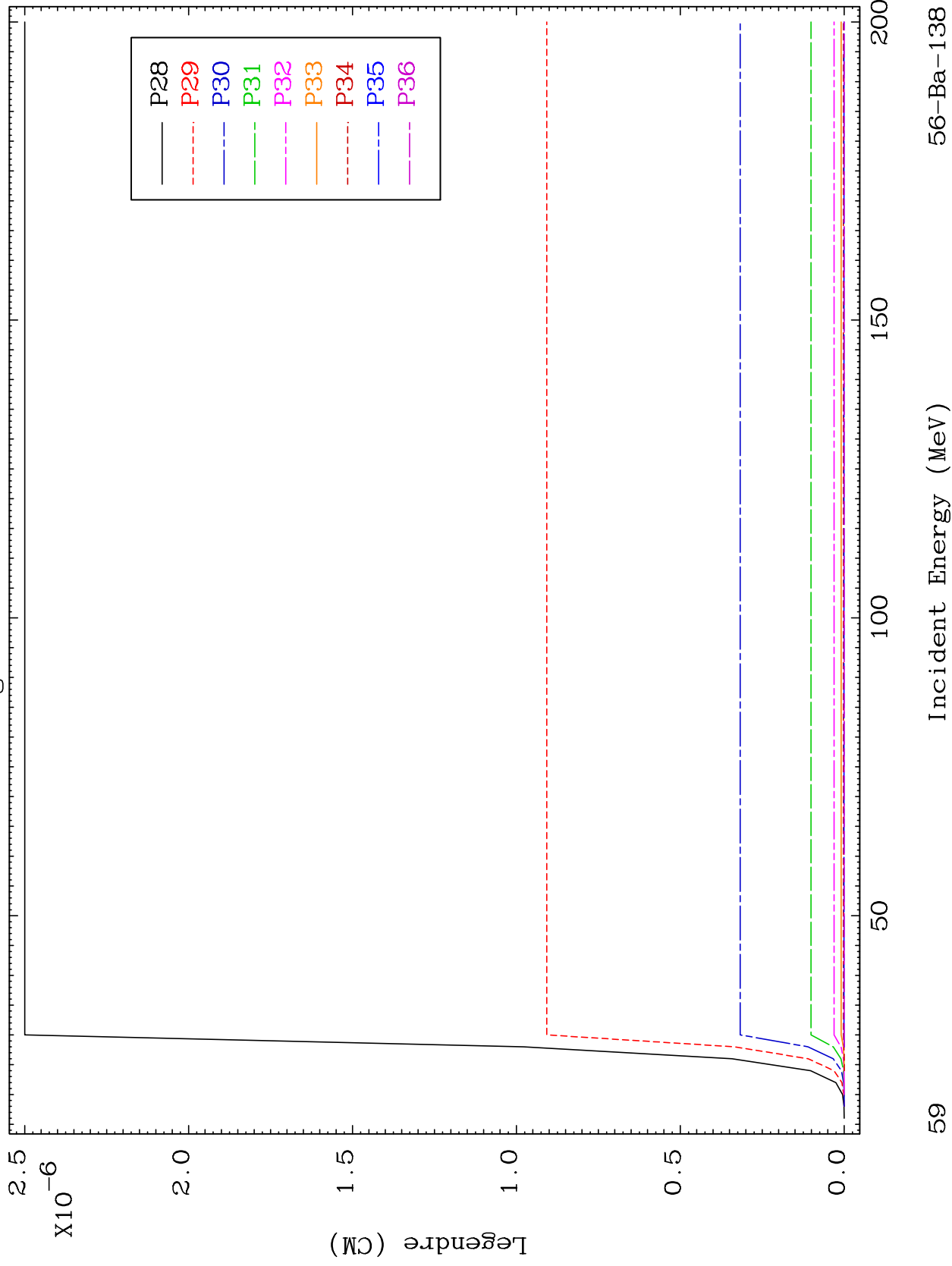
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

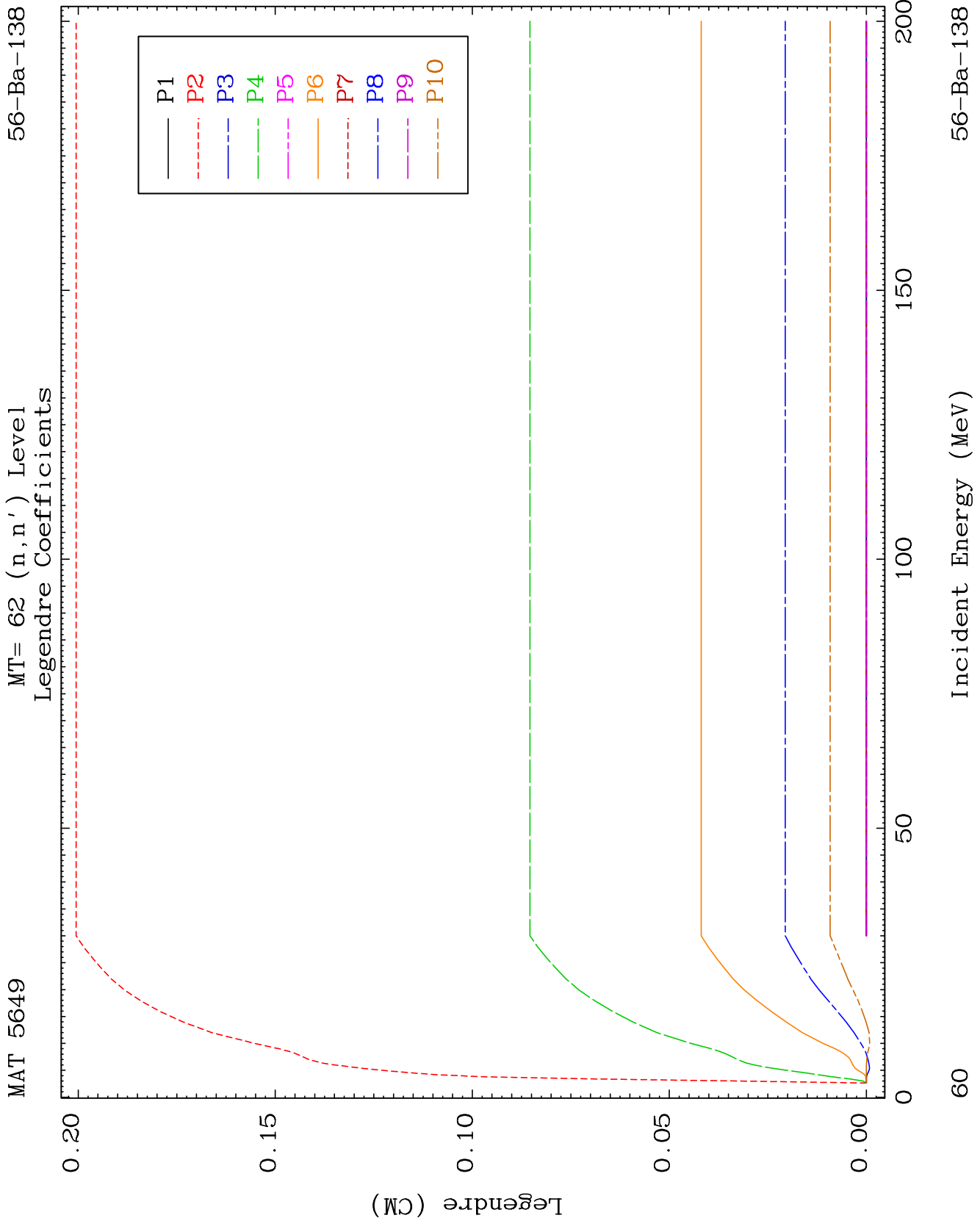
56-Ba-138



59

Incident Energy (MeV)

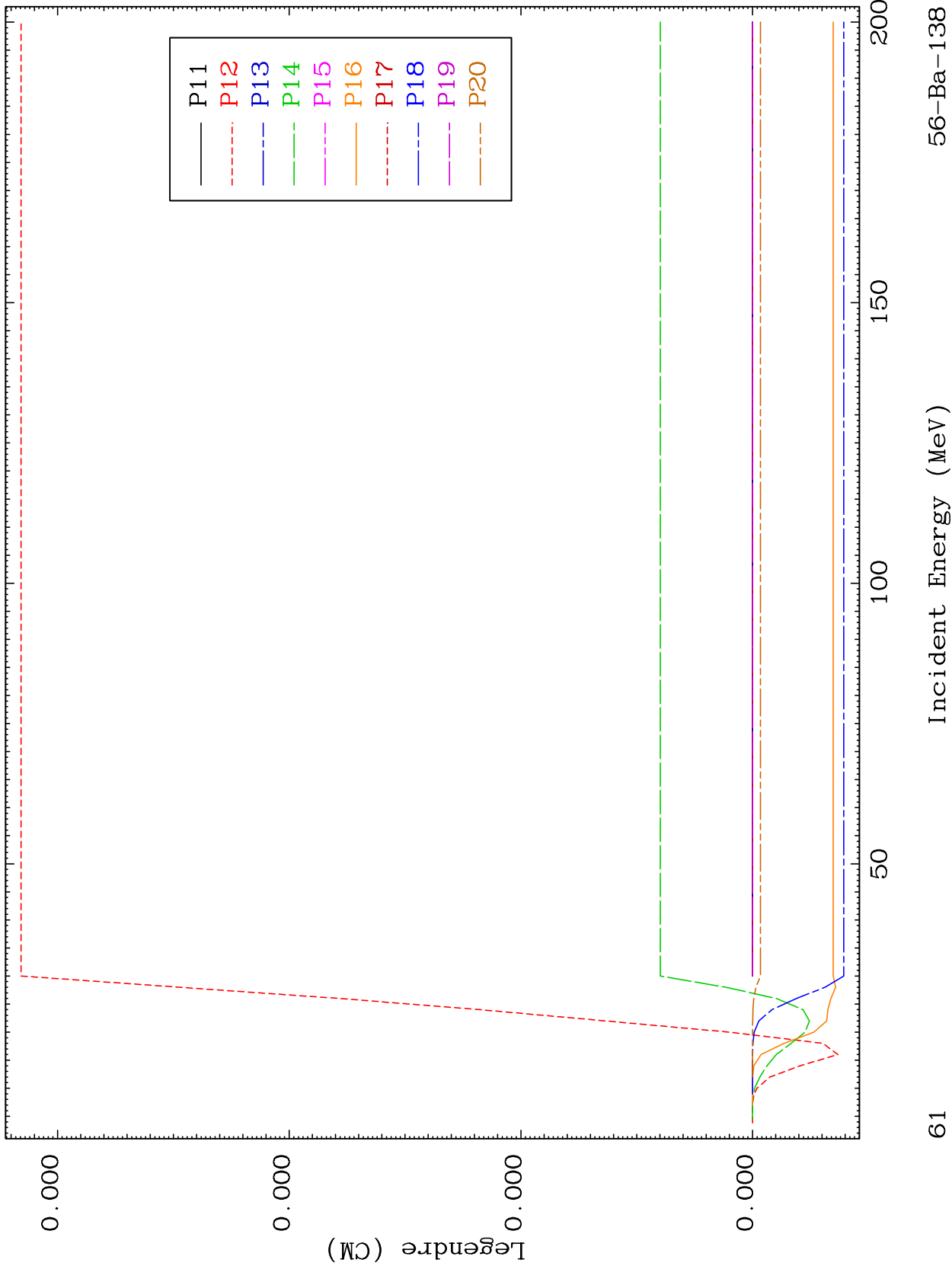
56-Ba-138



MAT 5649

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

56-Ba-138



61

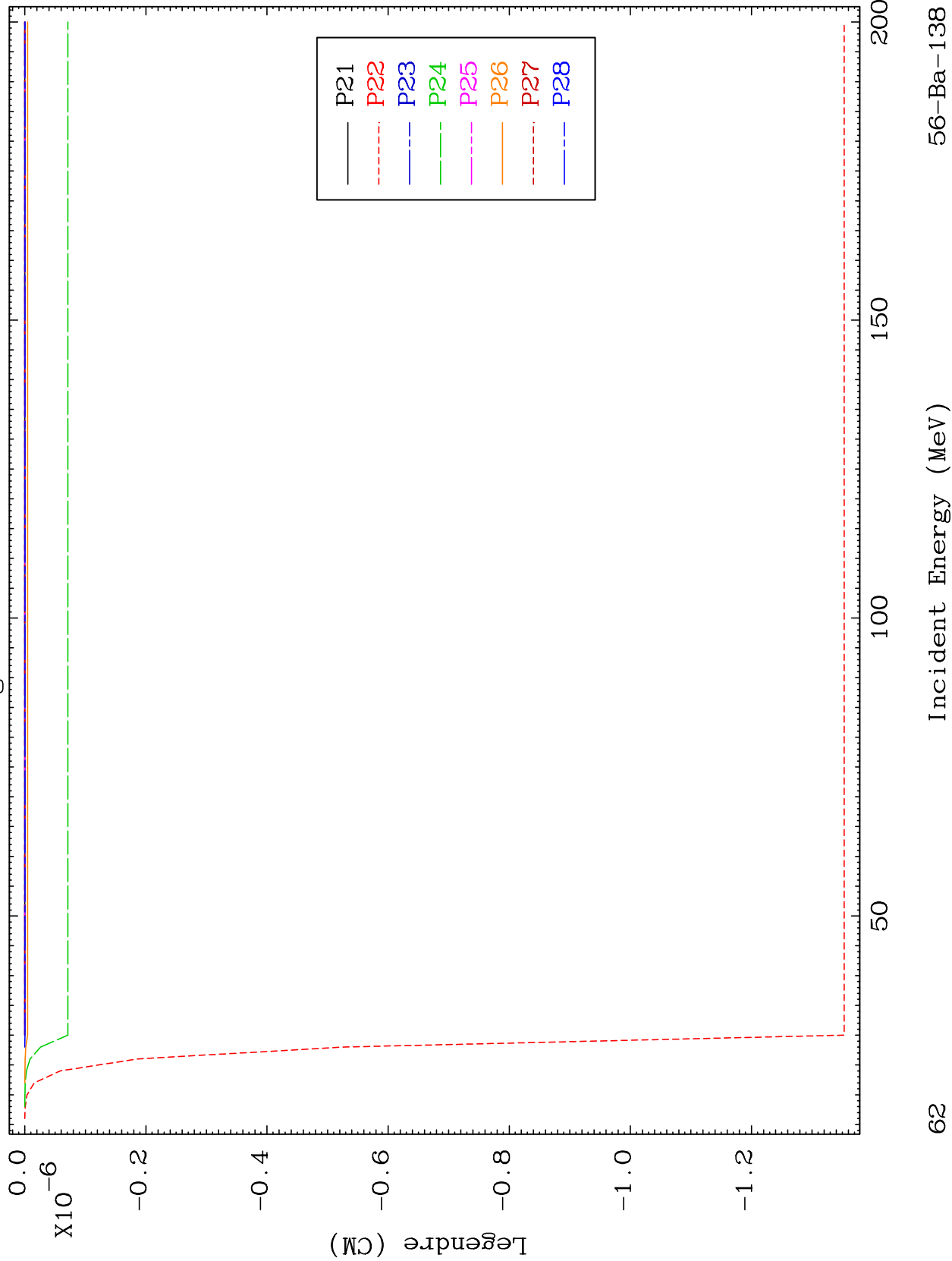
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



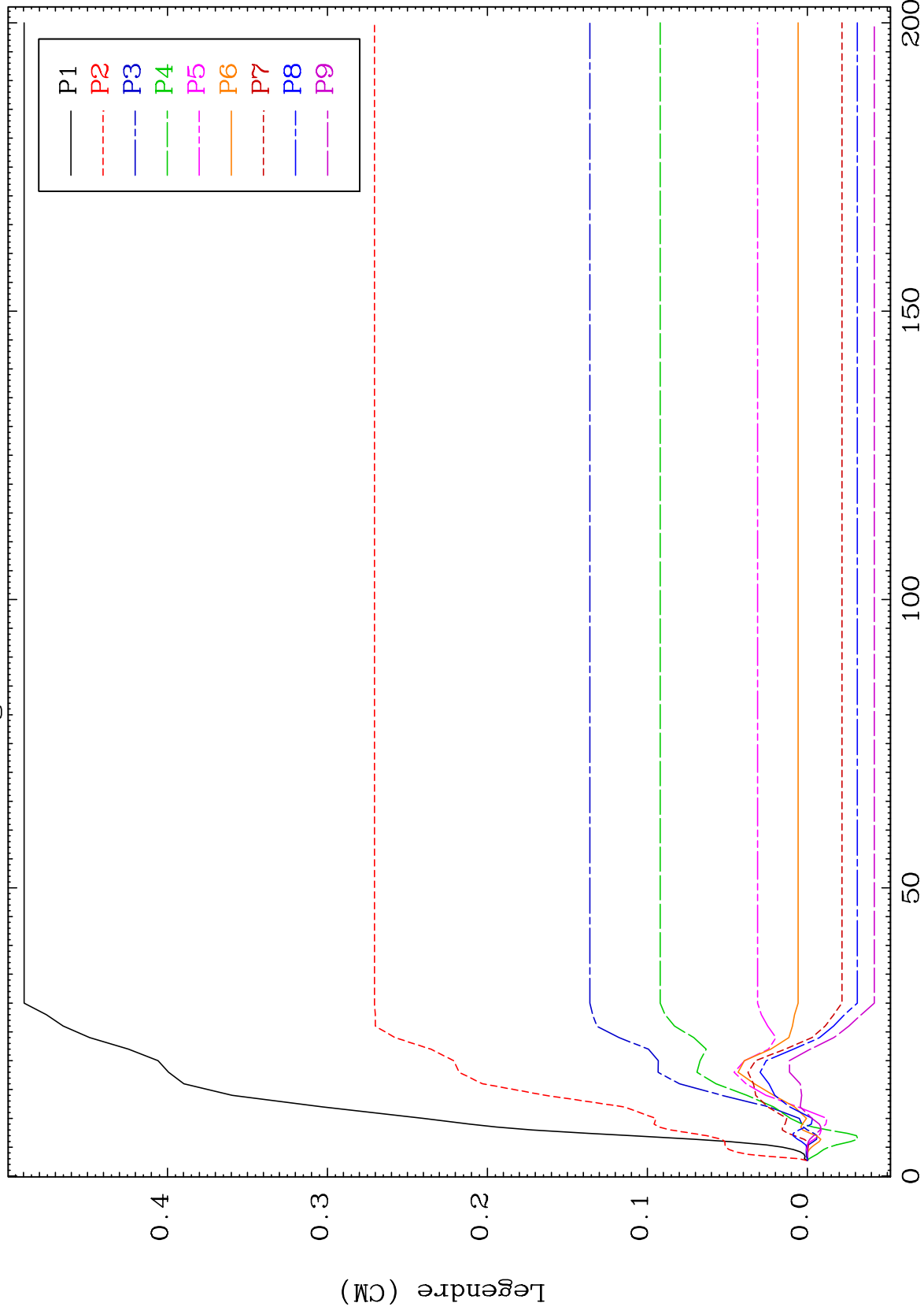
62

56-Ba-138

MAT 5649

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

56-Ba-138



63

Incident Energy (MeV)

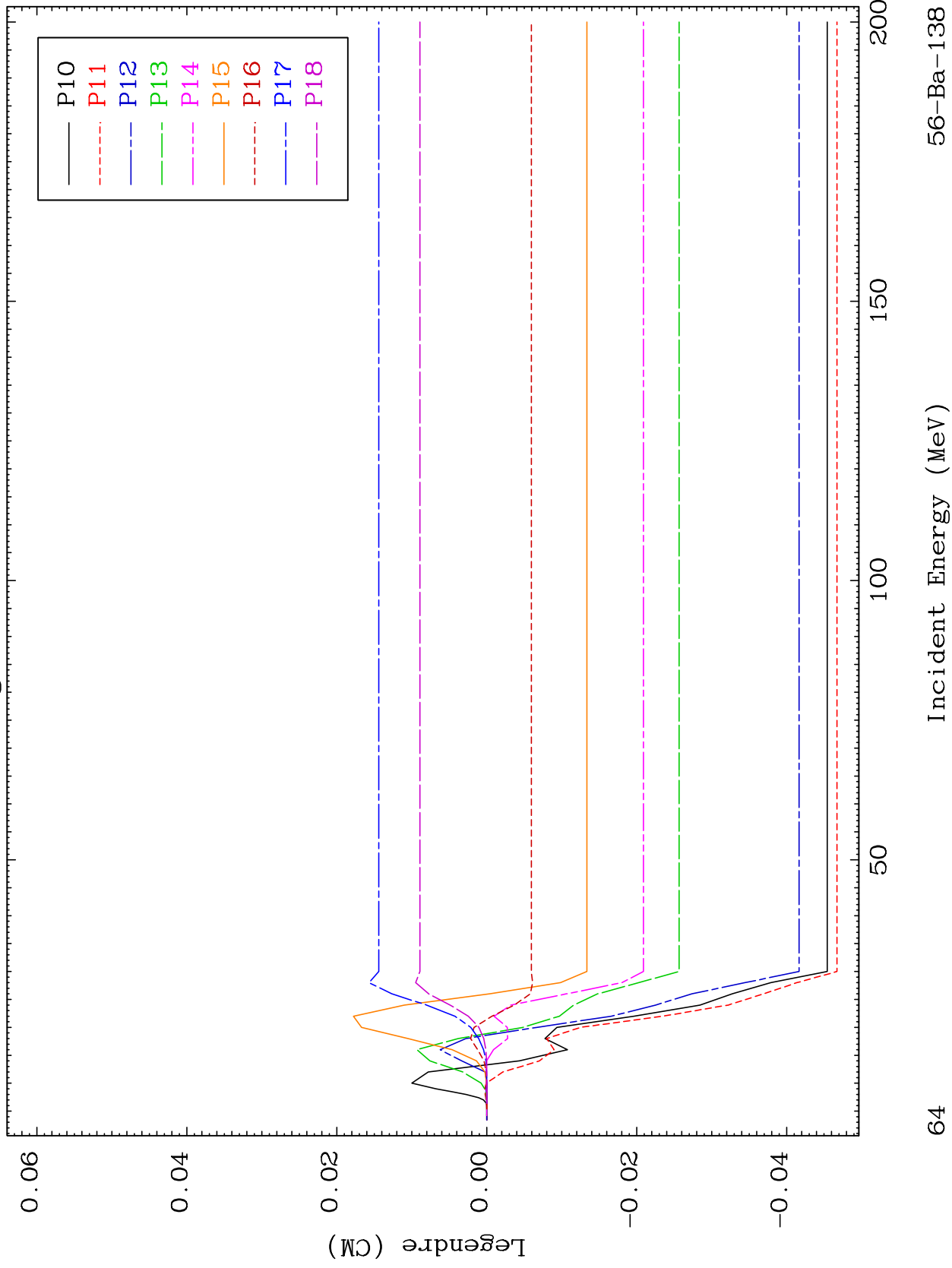
56-Ba-138



MAT 5649

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

56-Ba-138



64

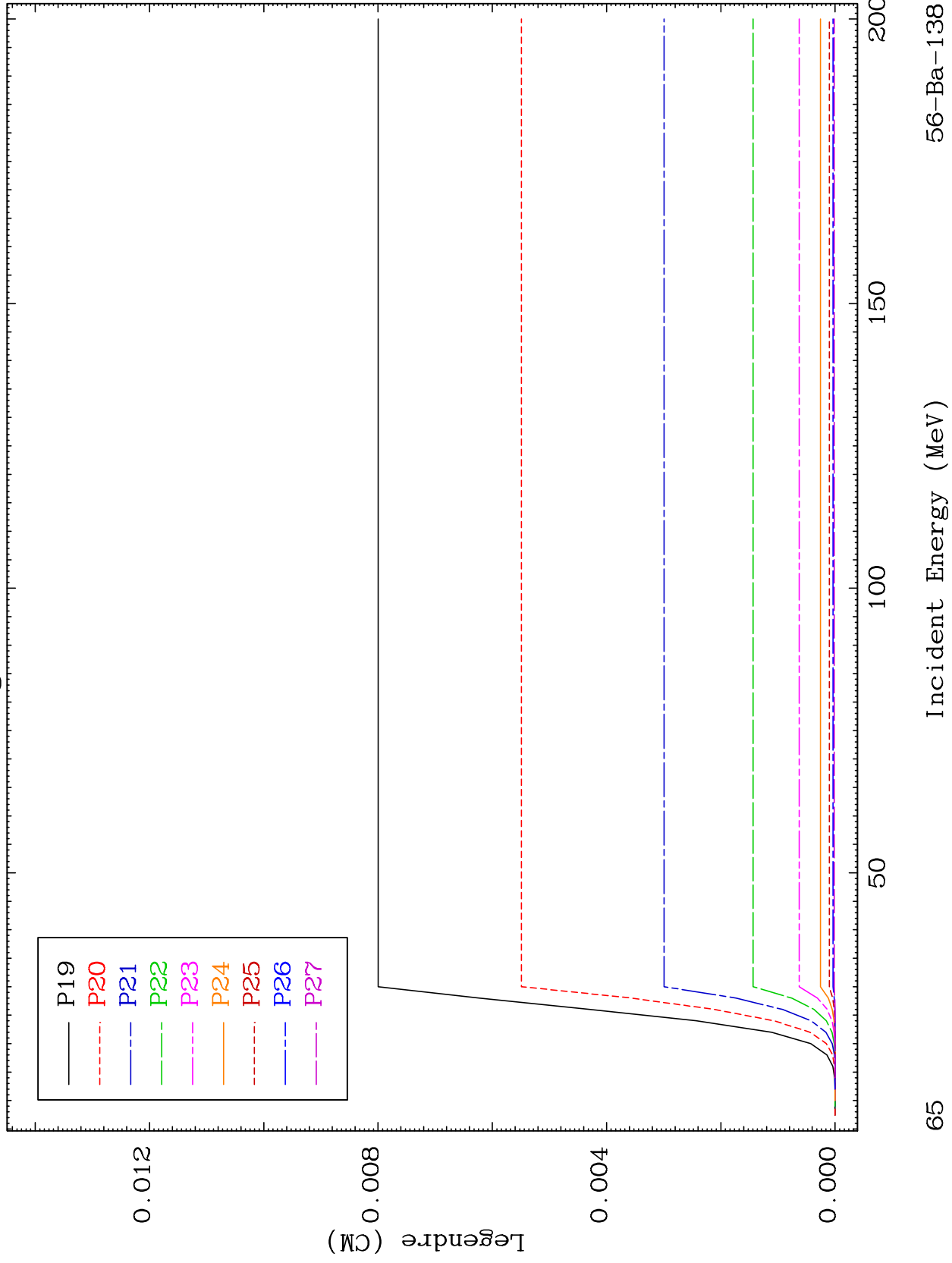
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



65

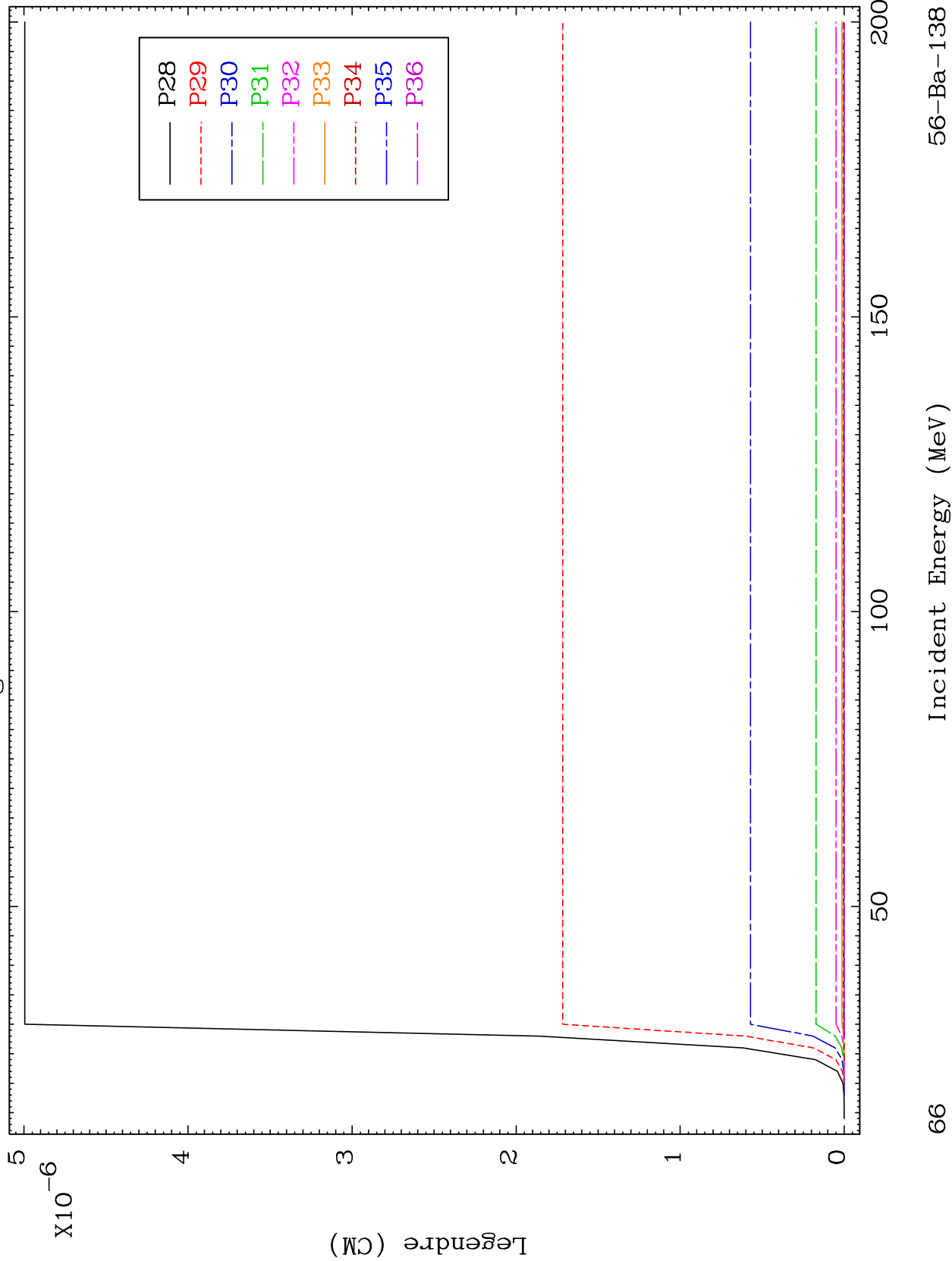
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



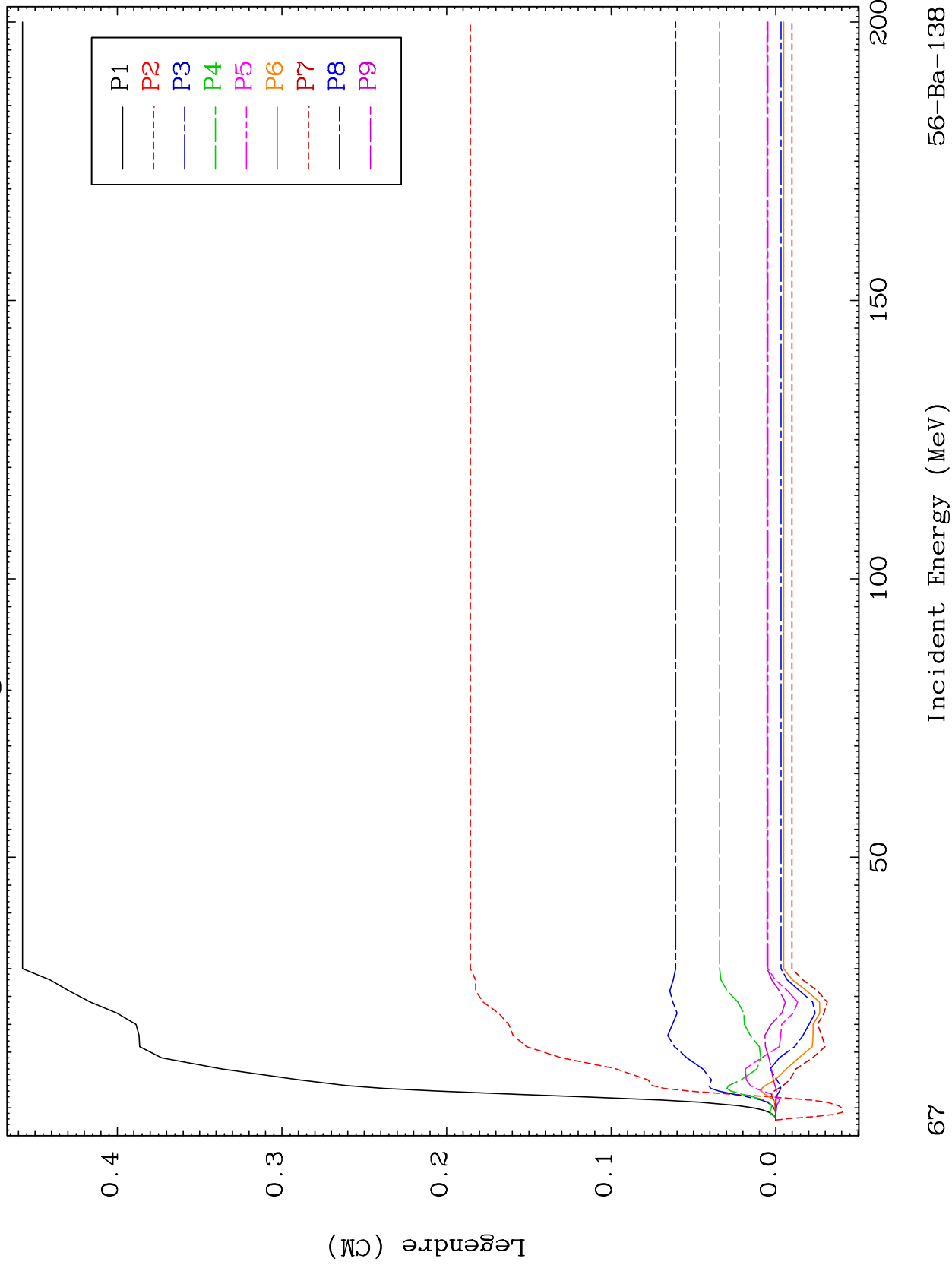
66

56-Ba-138

MAT 5649

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

56-Ba-138



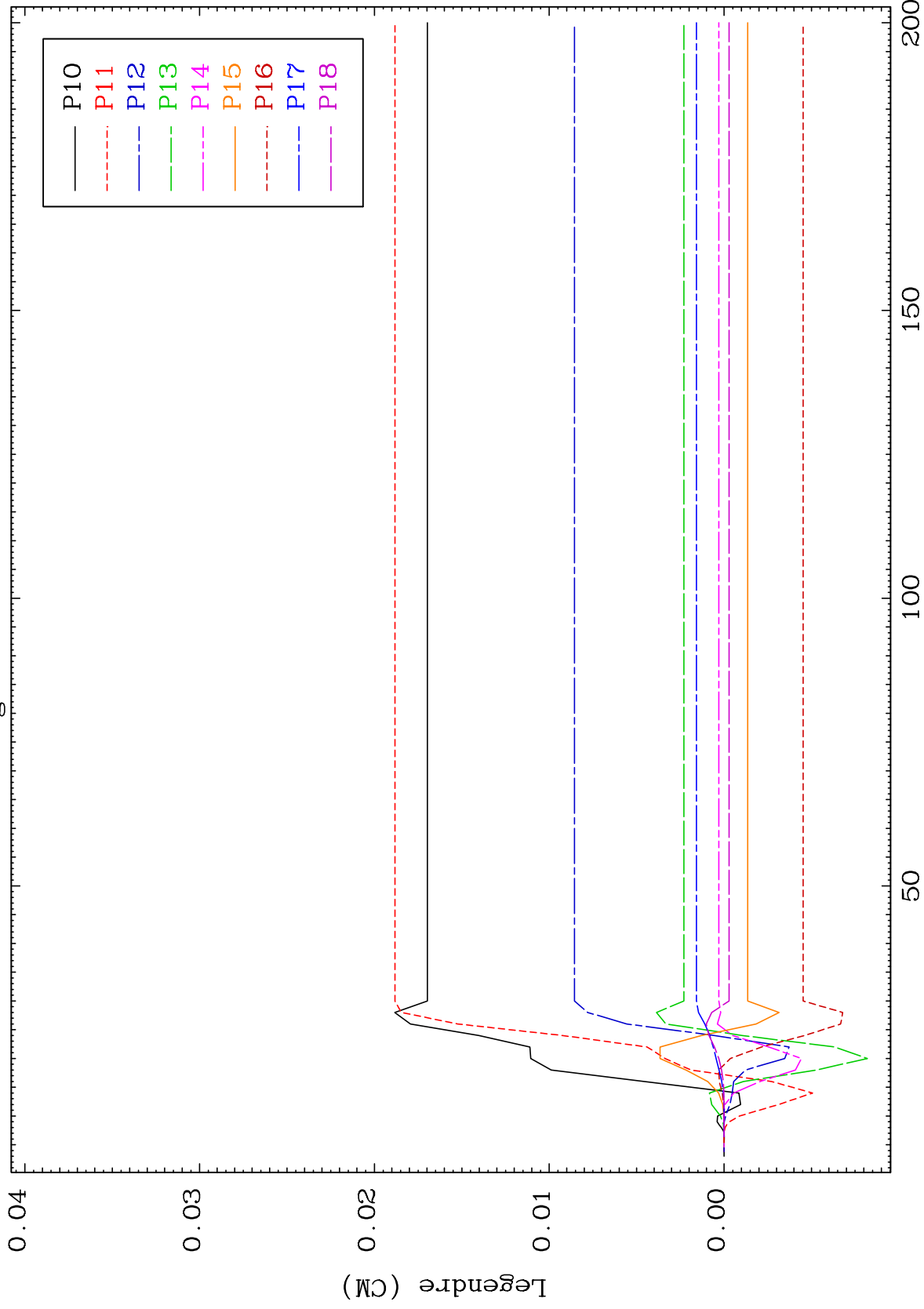
67

56-Ba-138

MAT 5649

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

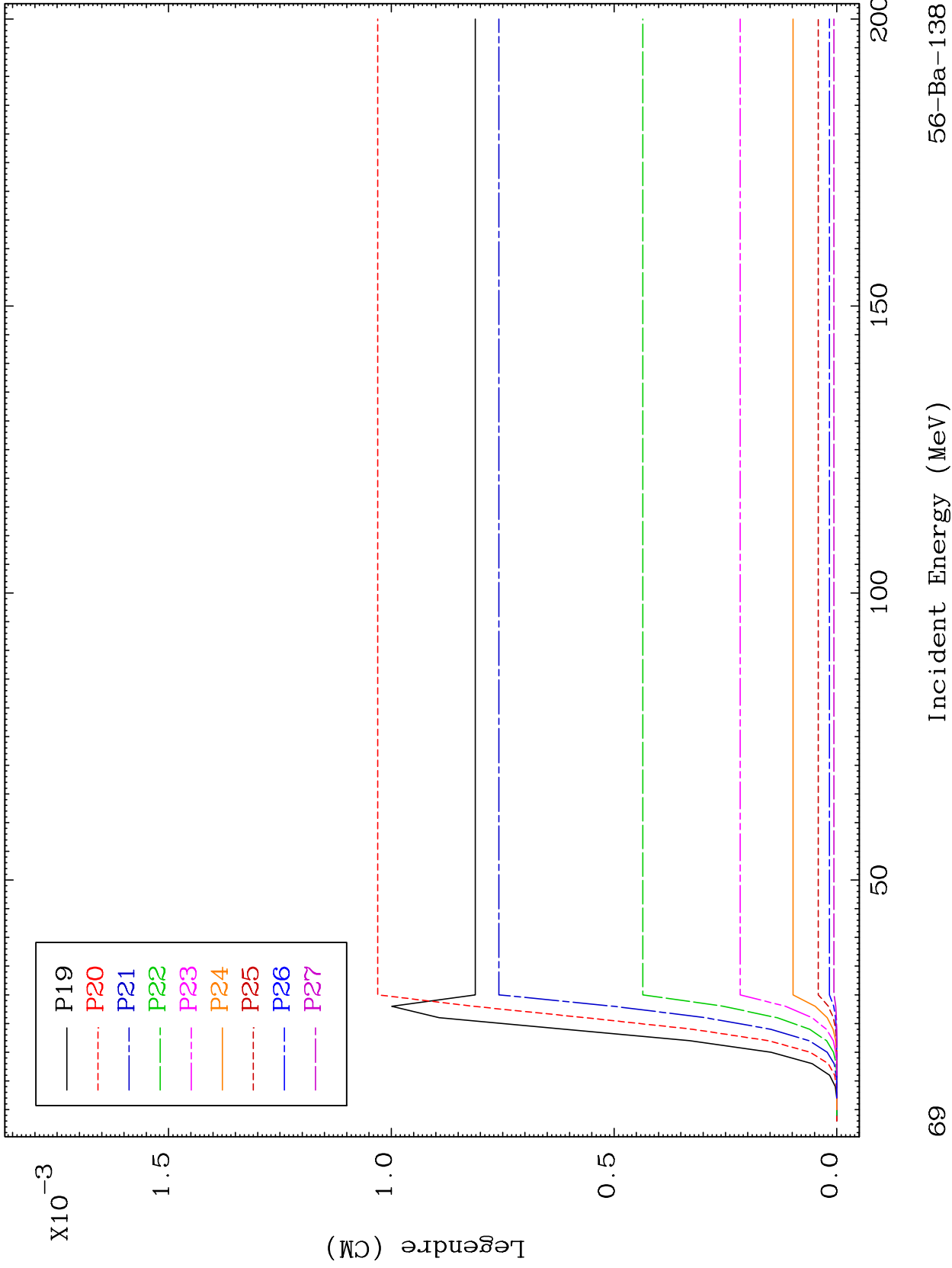
56-Ba-138



68

Incident Energy (MeV)

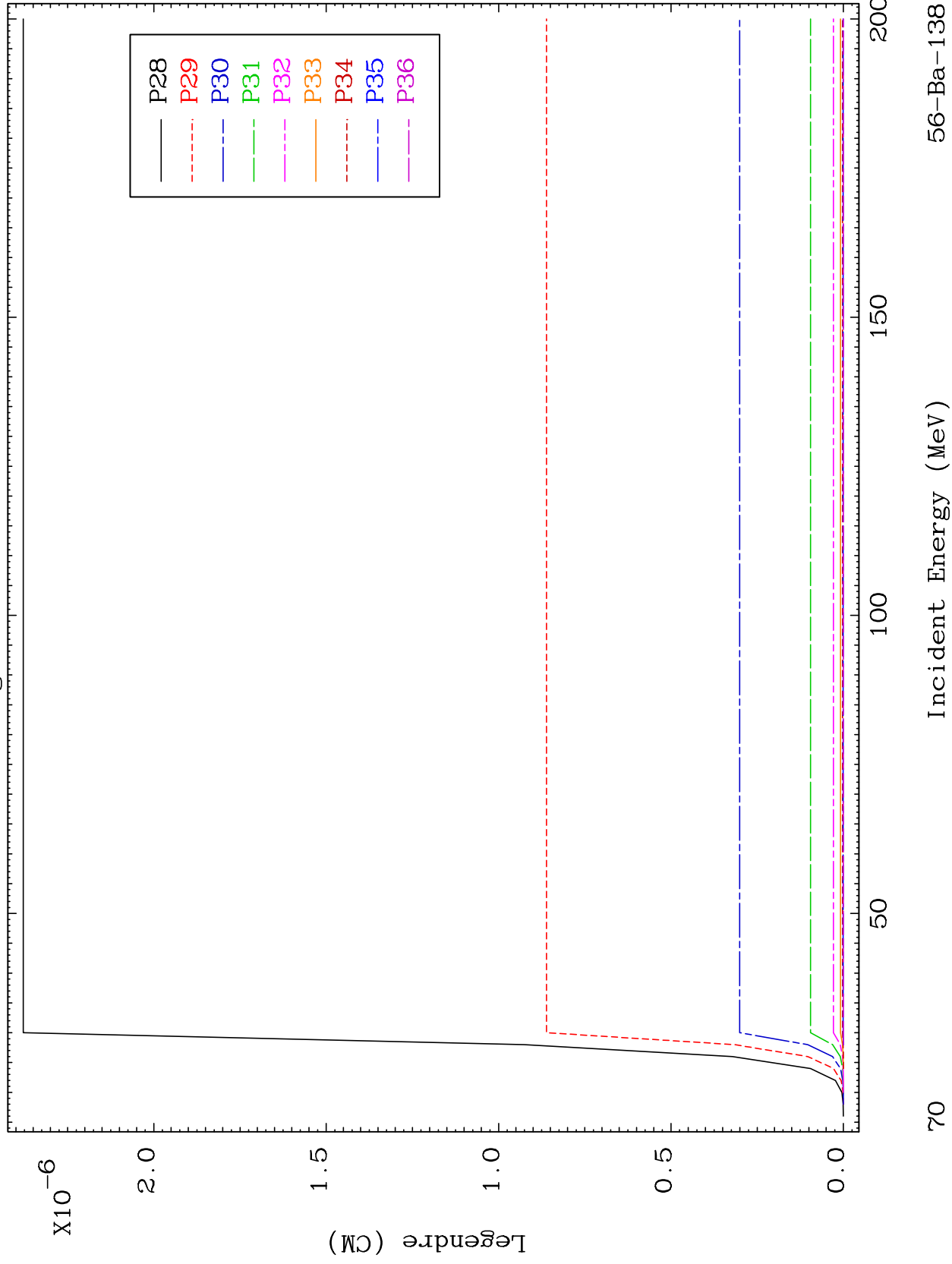
56-Ba-138



MAT 5649

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

56-Ba-138



70

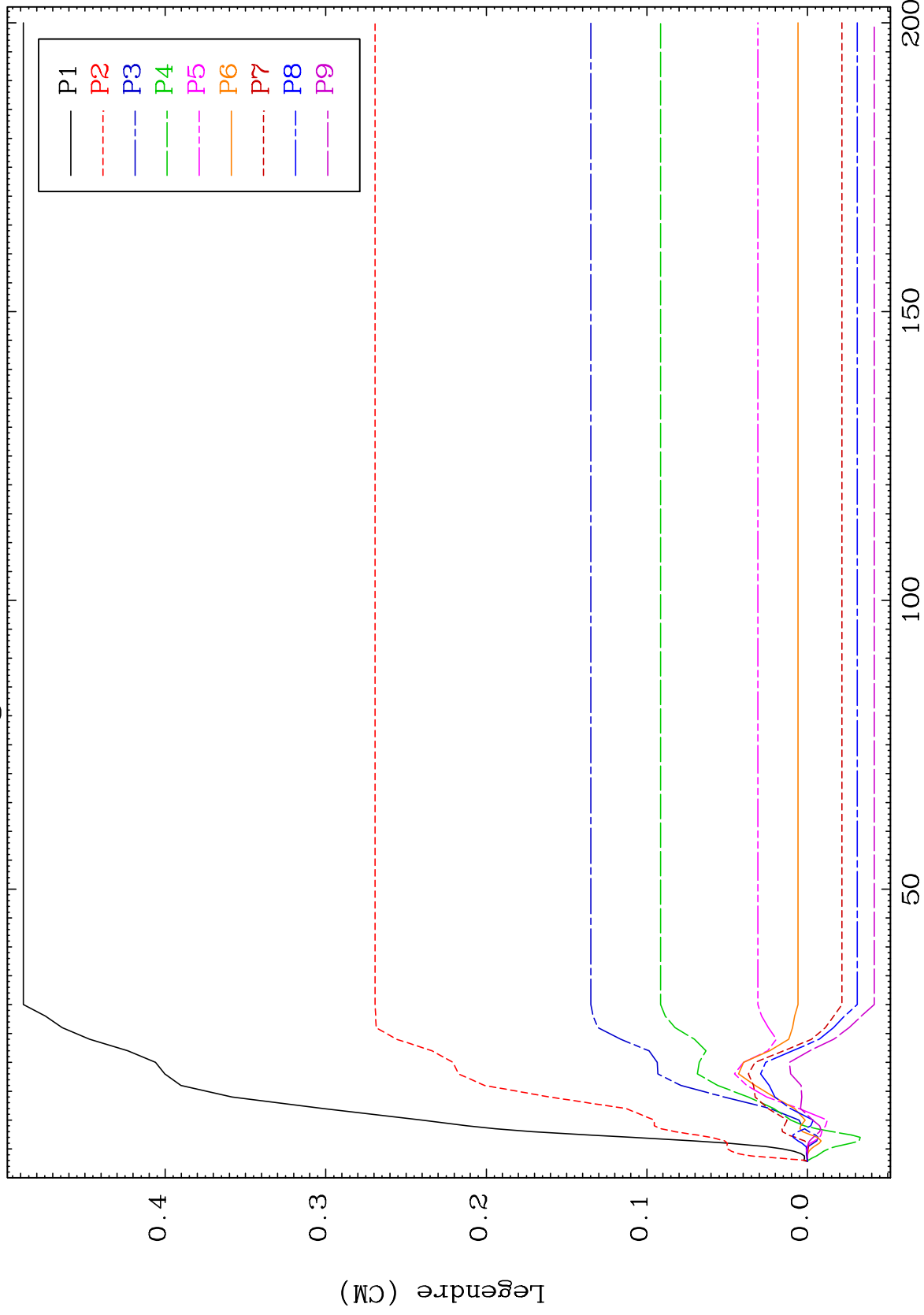
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



71

Incident Energy (MeV)

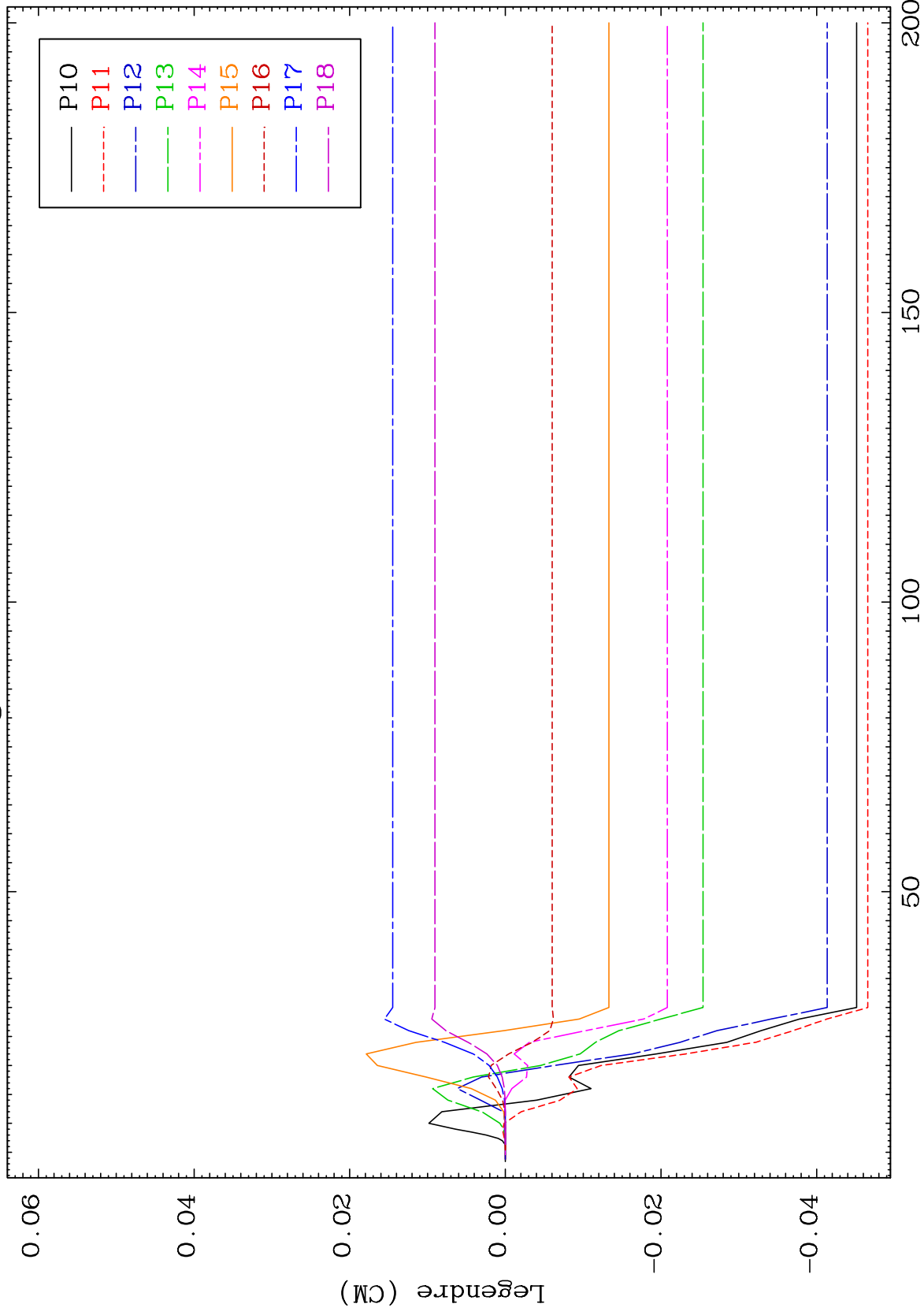
56-Ba-138



MAT 5649

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

56-Ba-138



72

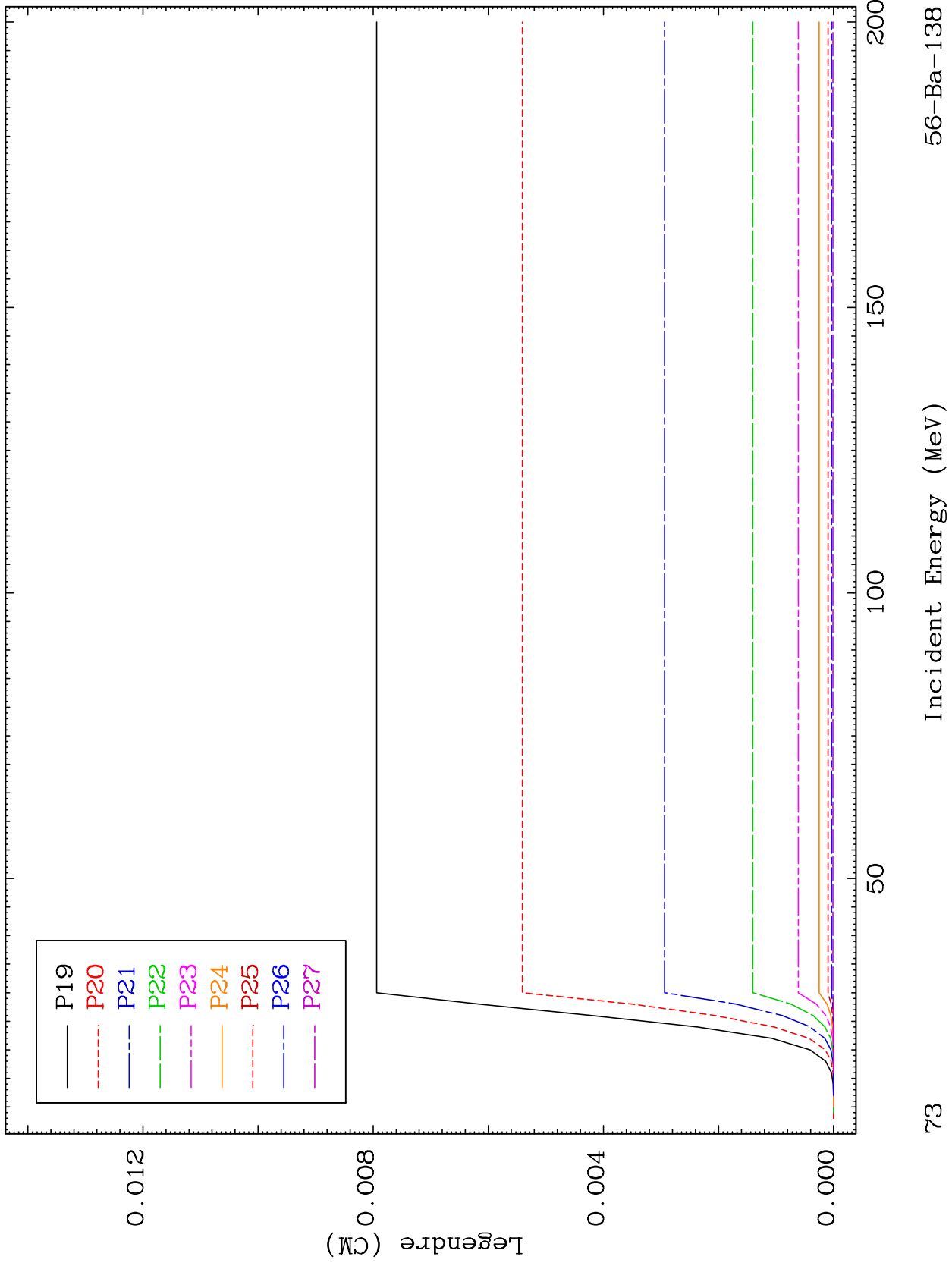
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



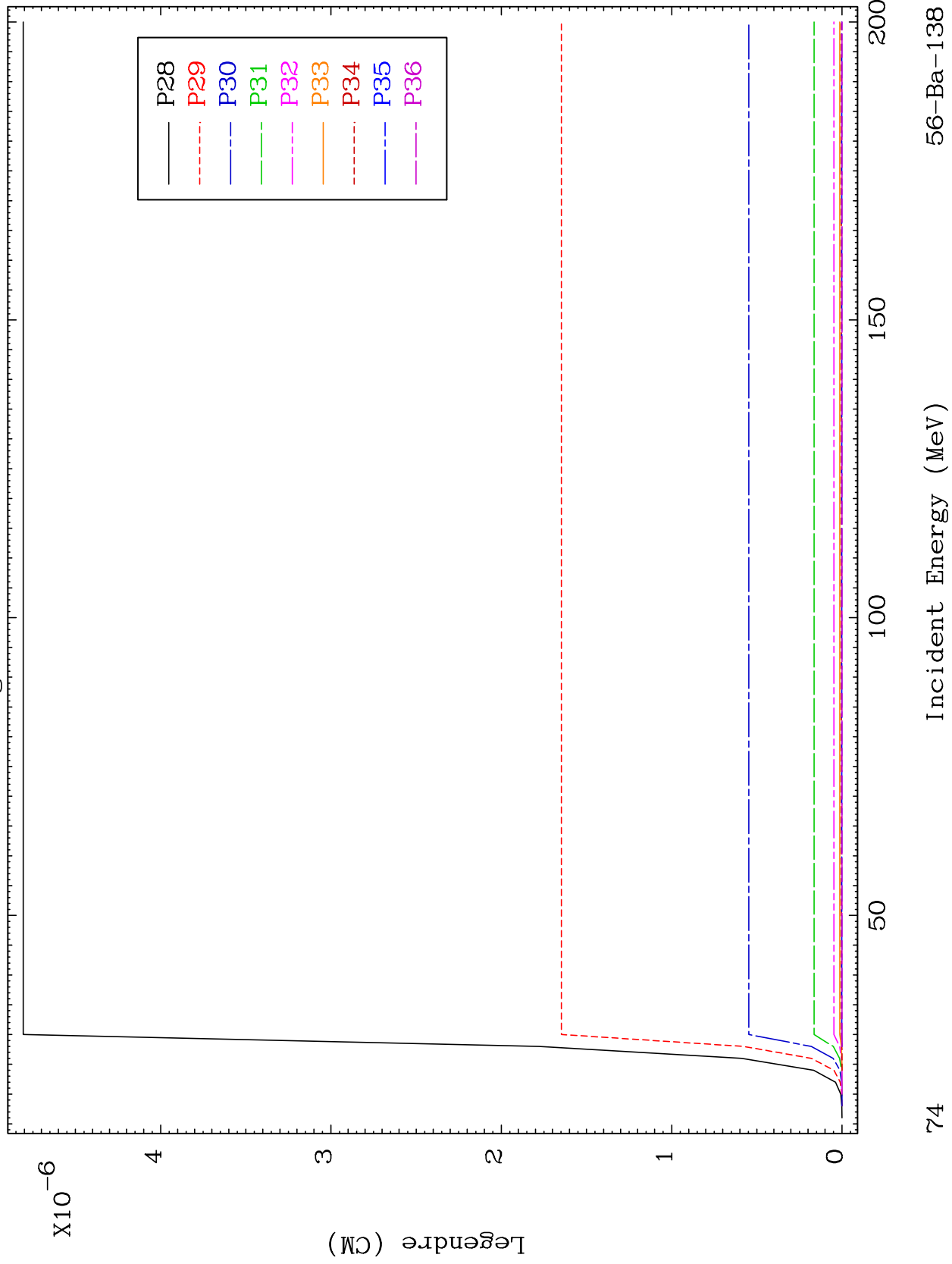
73

56-Ba-138

MAT 5649

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

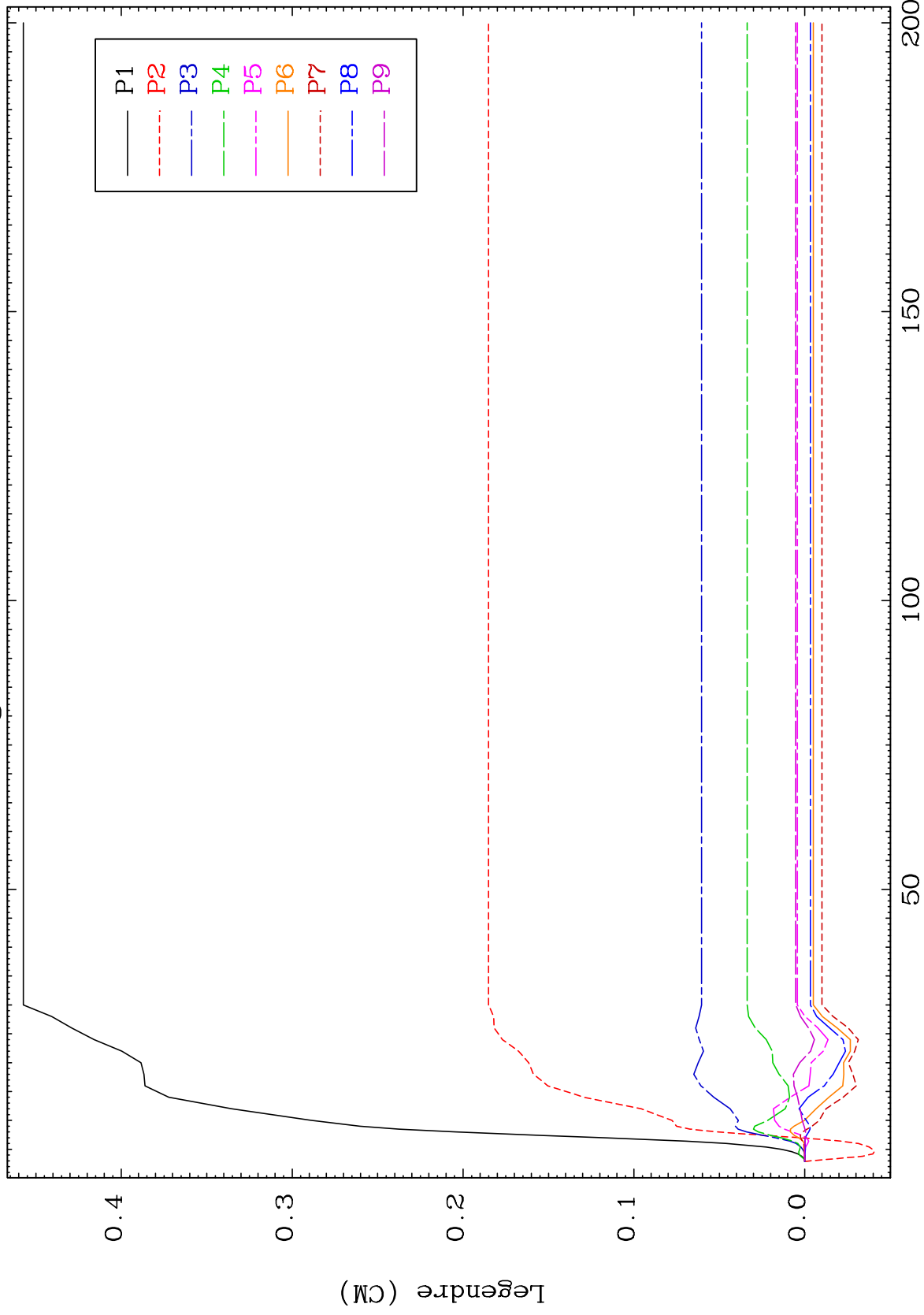
56-Ba-138



MAT 5649

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

56-Ba-138



75

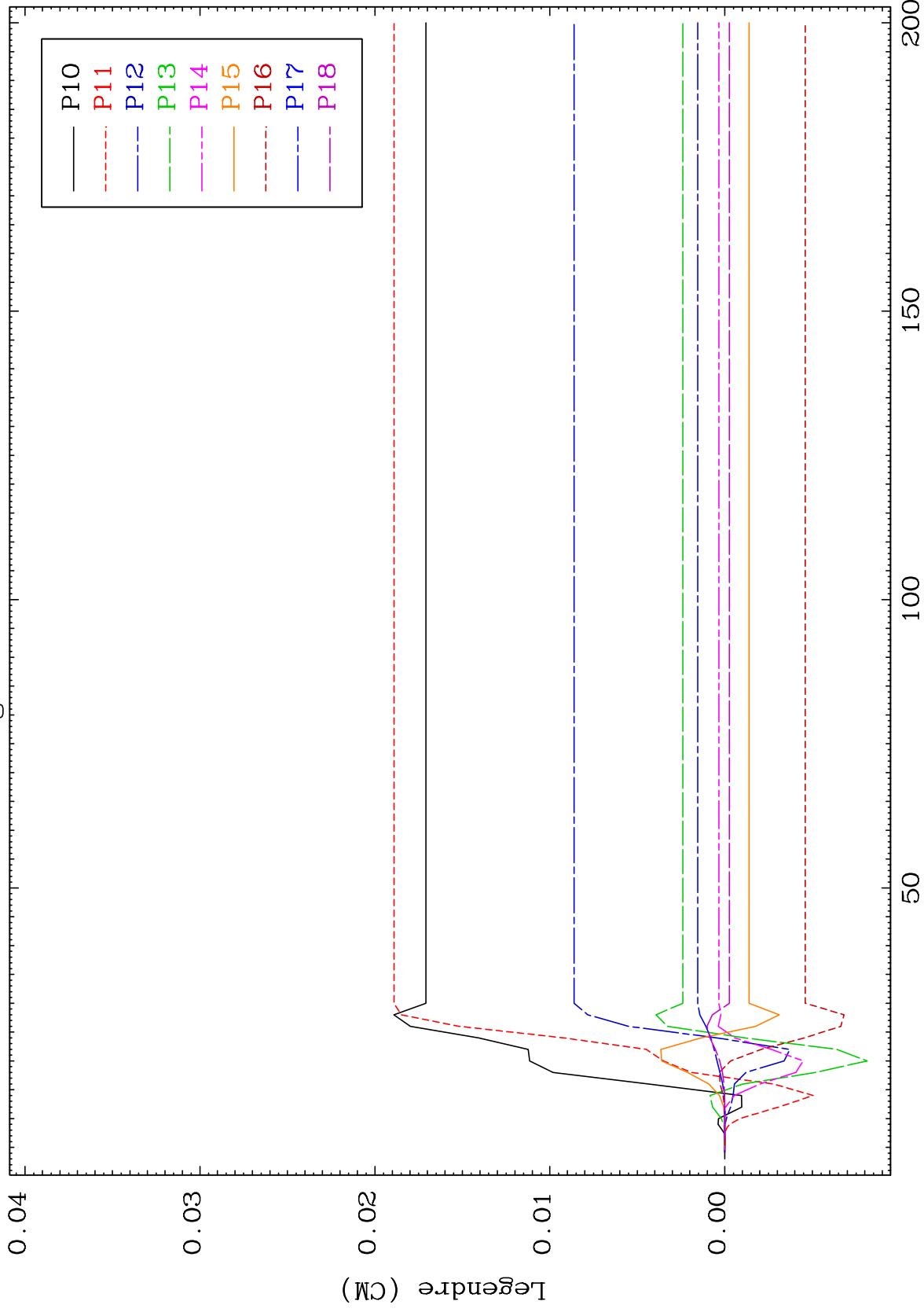
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



76

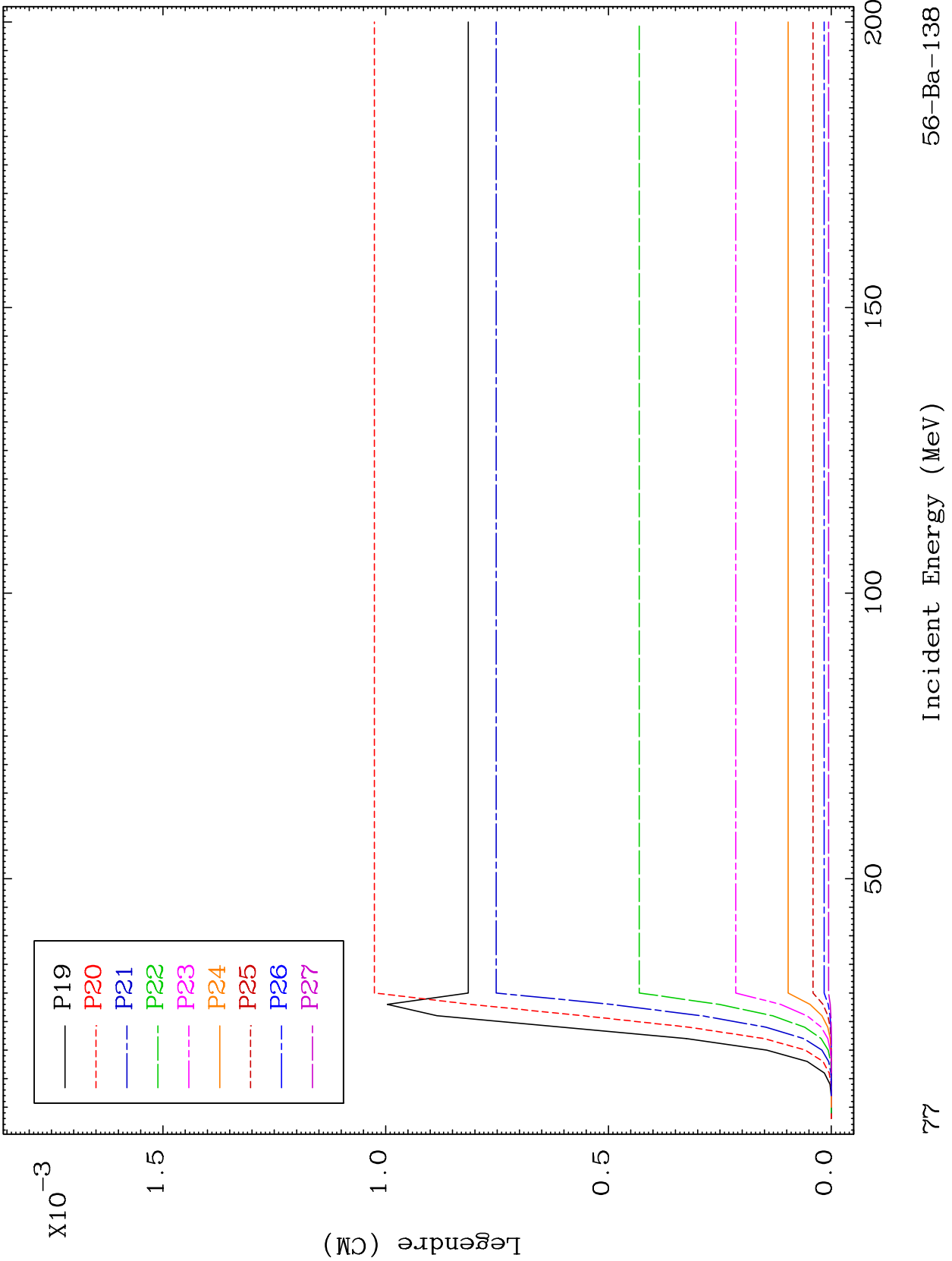
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

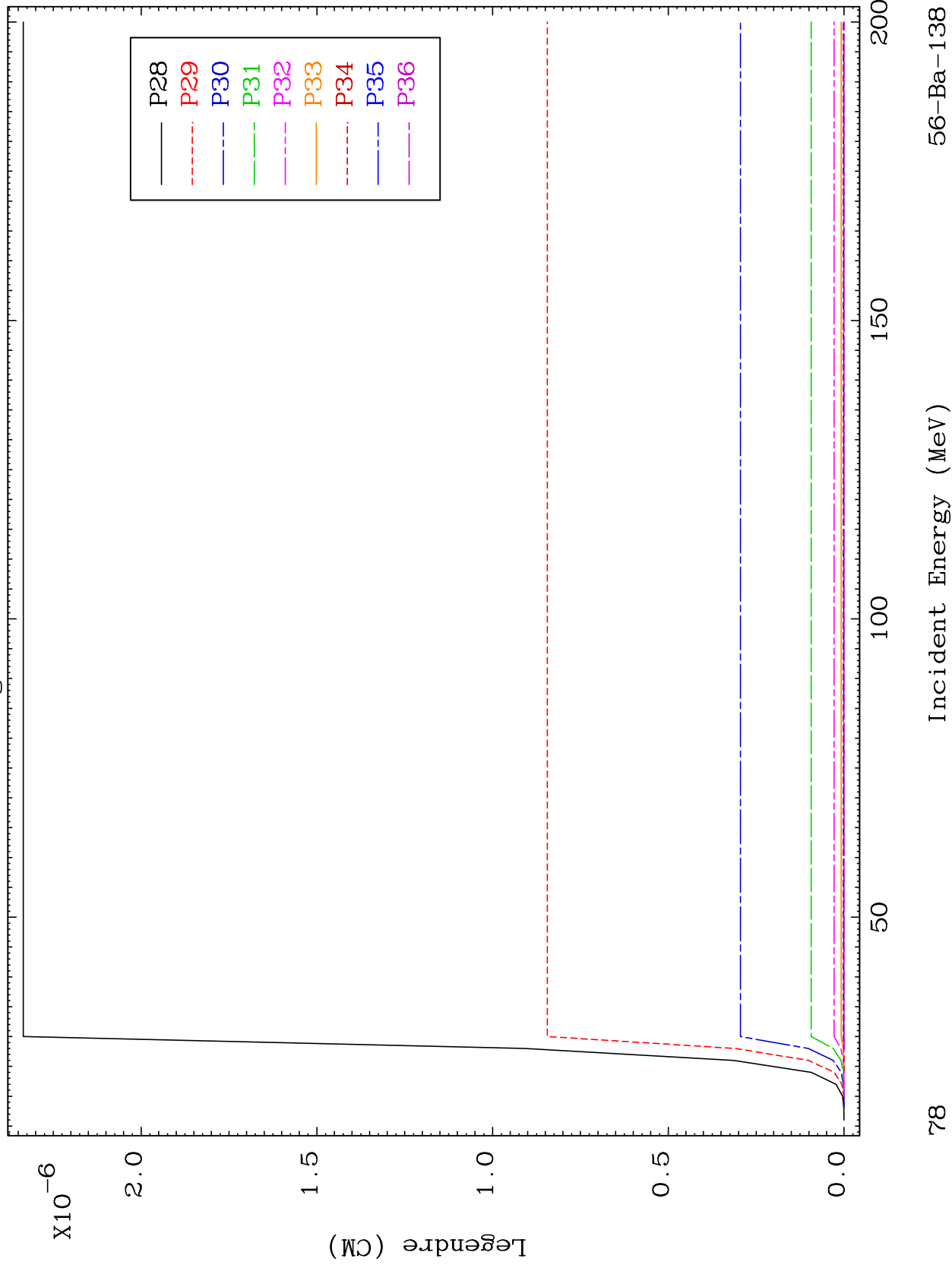
56-Ba-138



MAT 5649

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

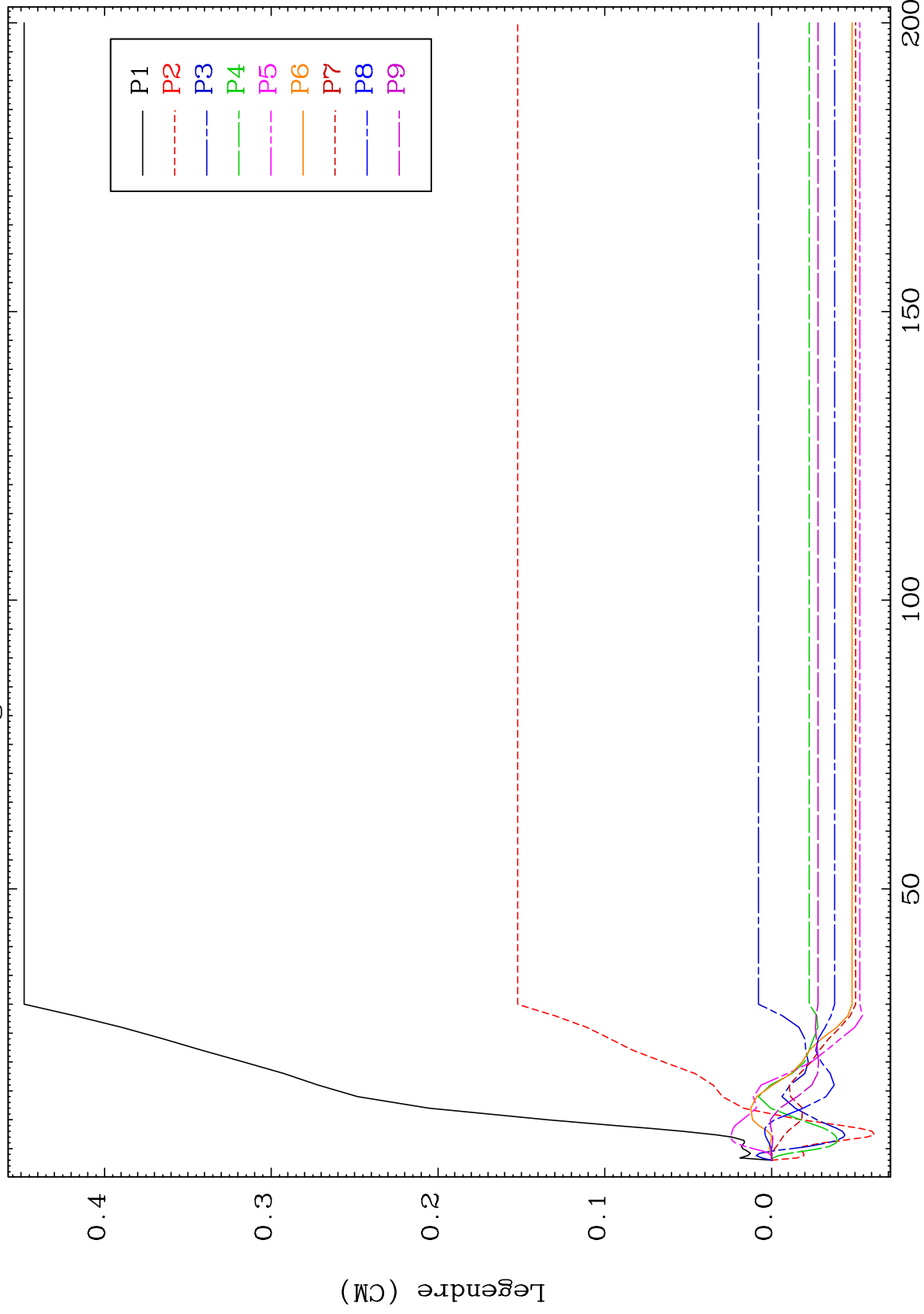
56-Ba-138



MAT 5649

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

56-Ba-138



79

Incident Energy (MeV)

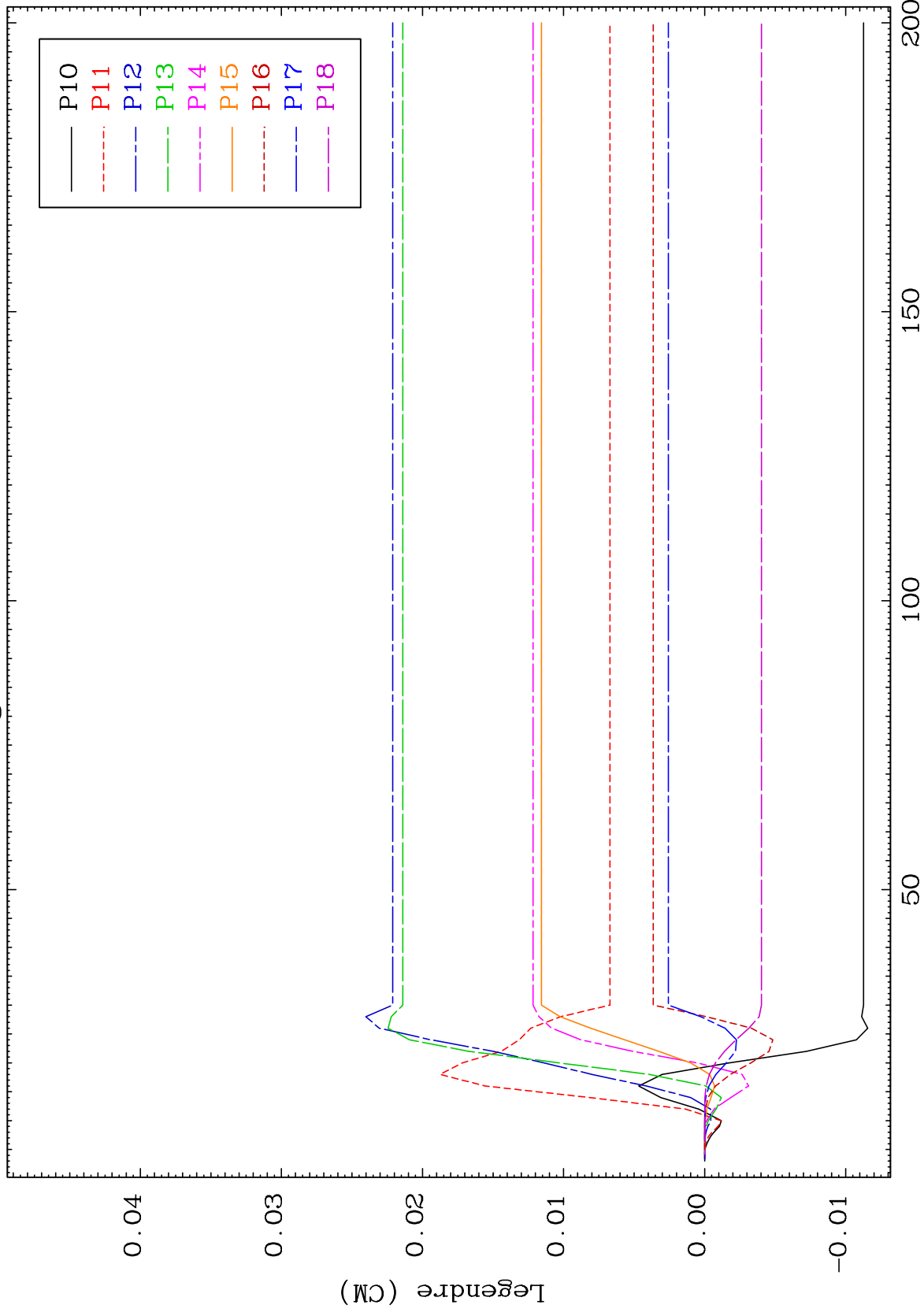
56-Ba-138



MAT 5649

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

56-Ba-138



80

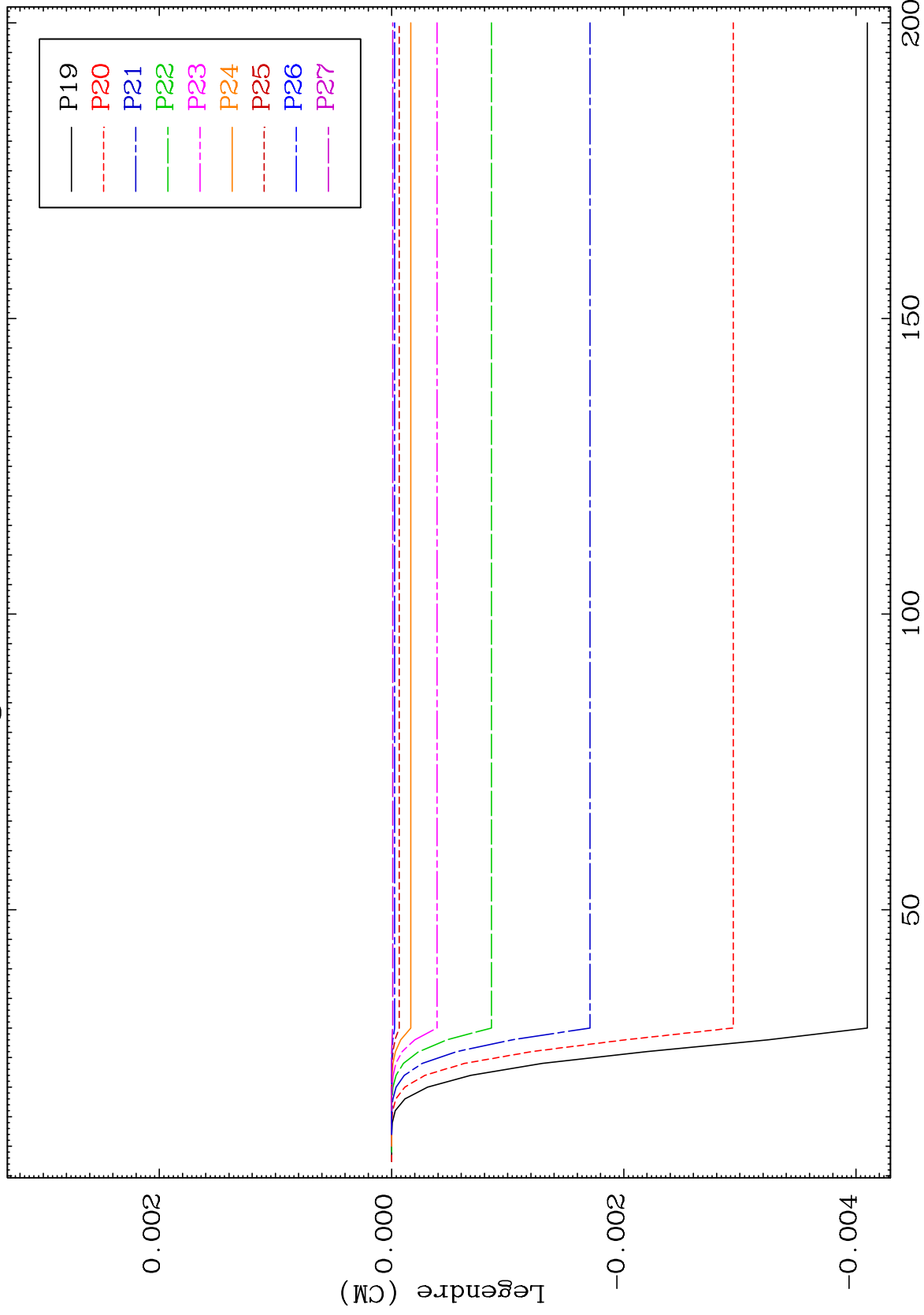
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



81

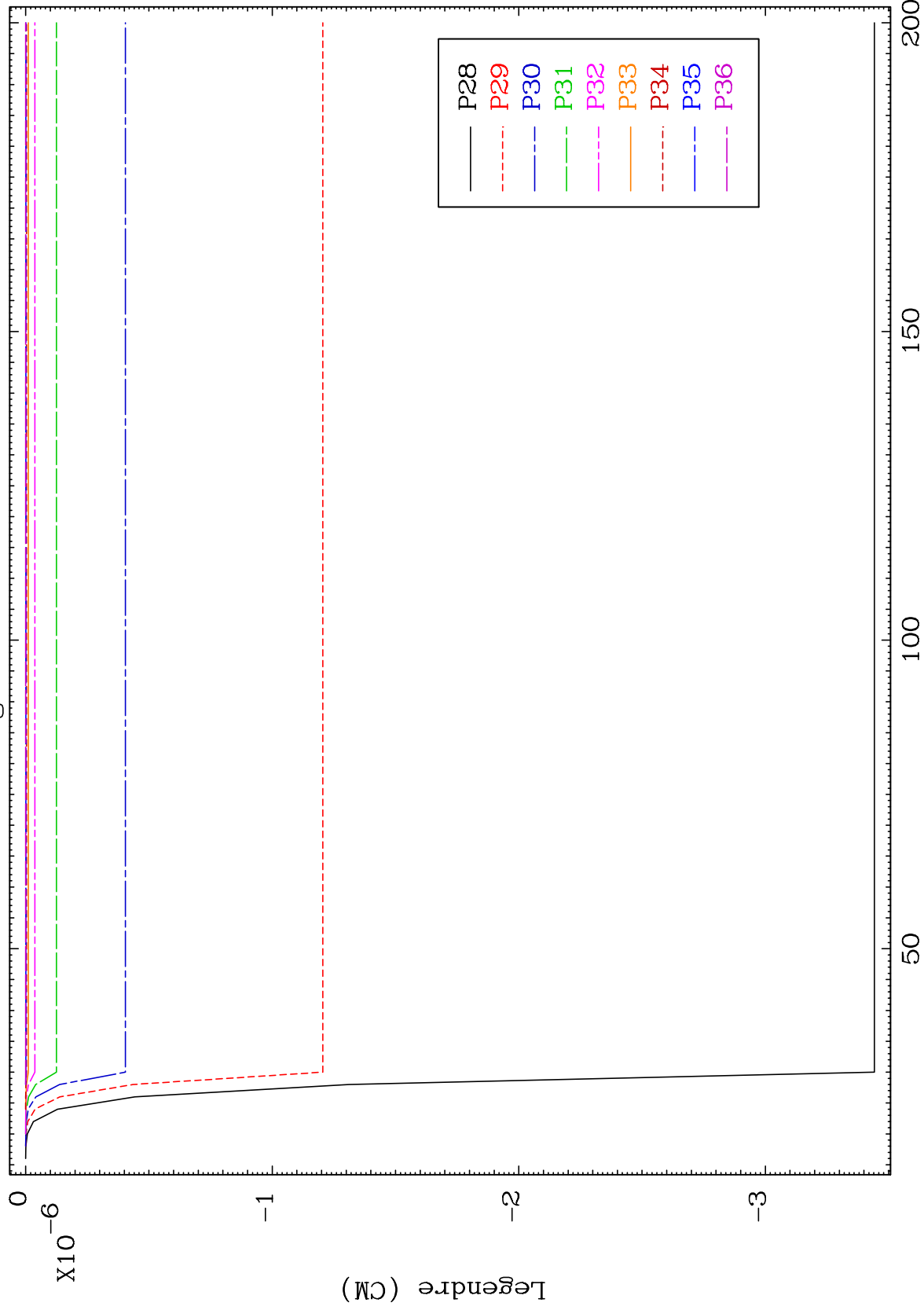
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



82

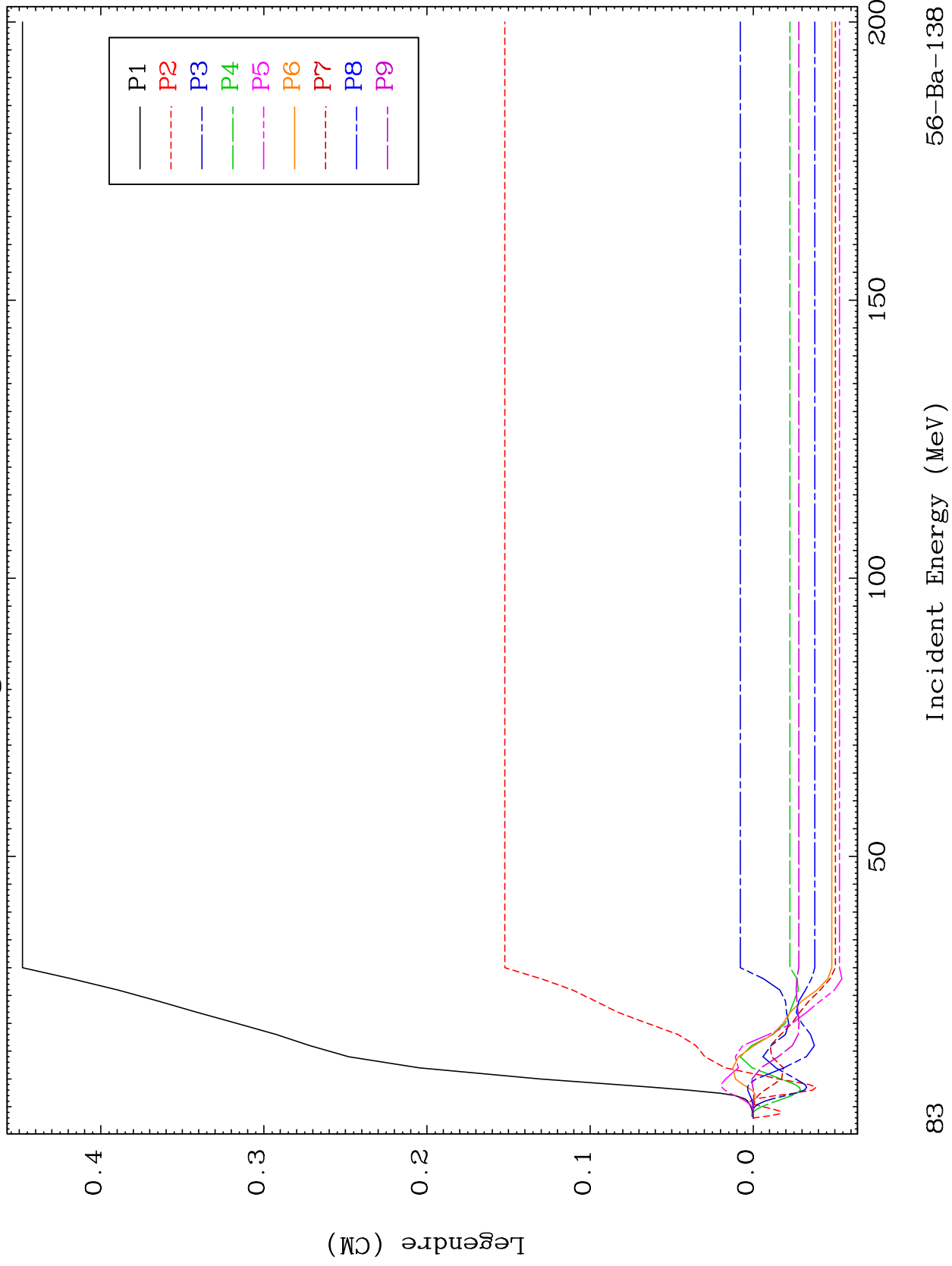
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

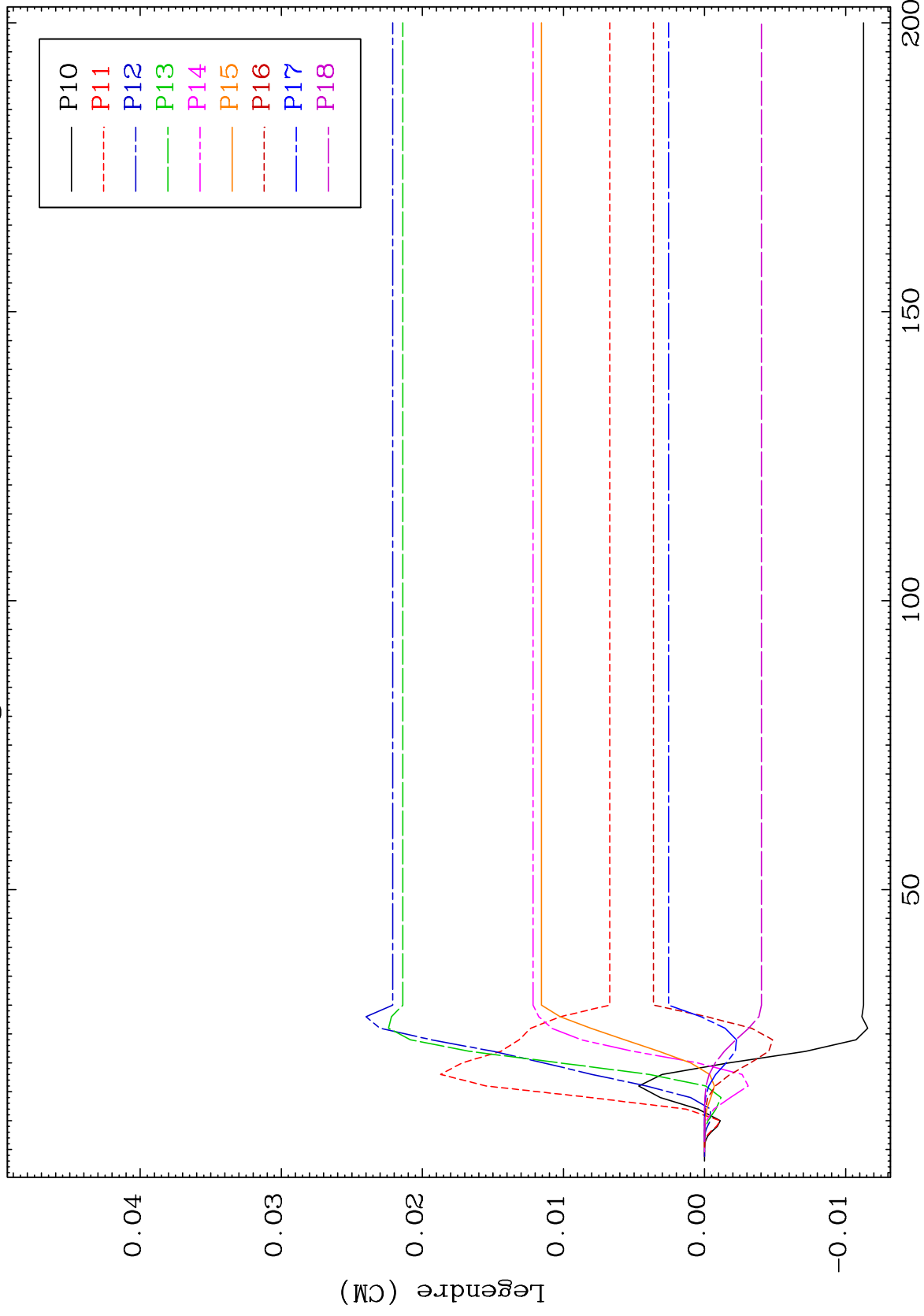
56-Ba-138



MAT 5649

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

56-Ba-138



84

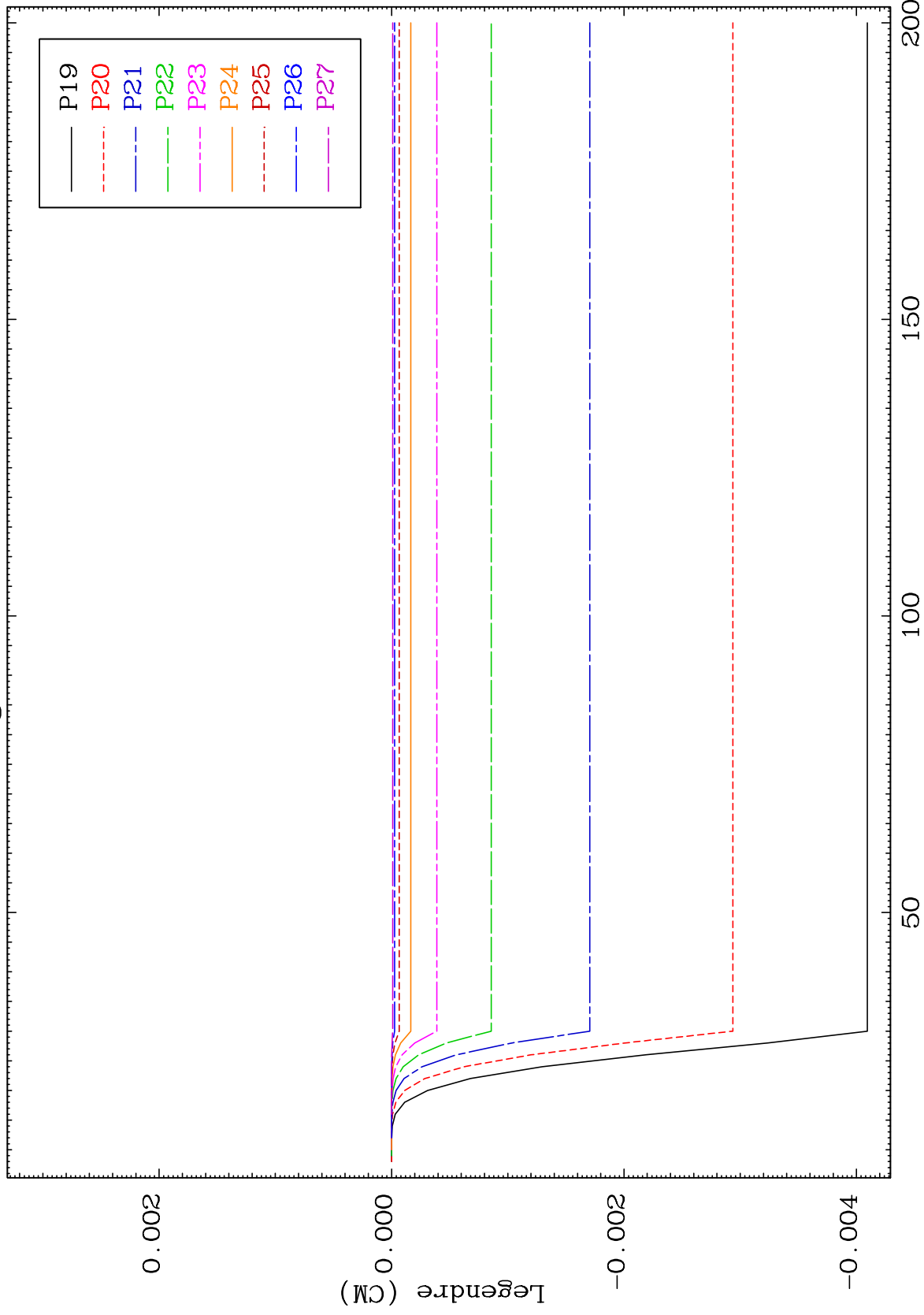
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



85

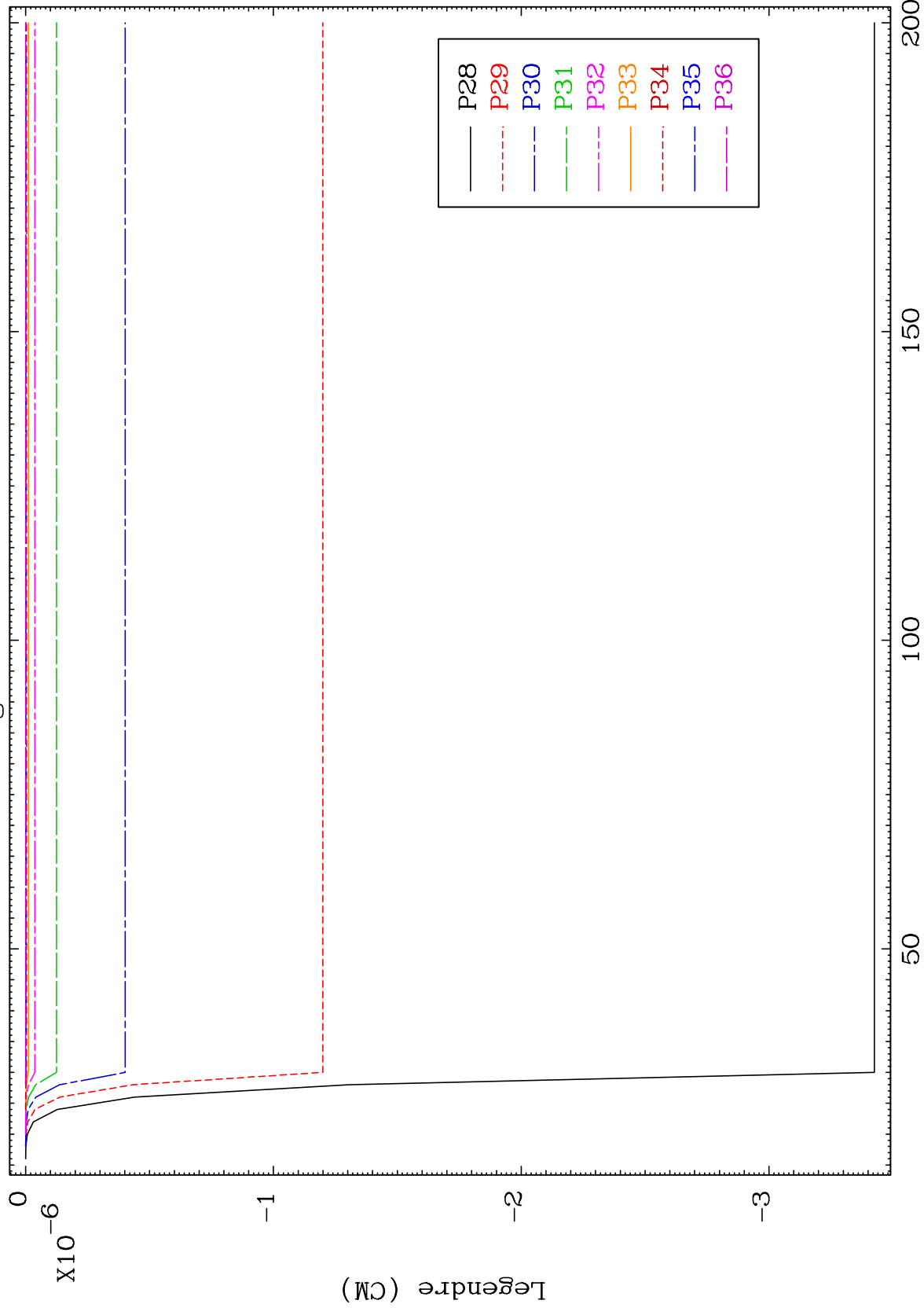
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



86

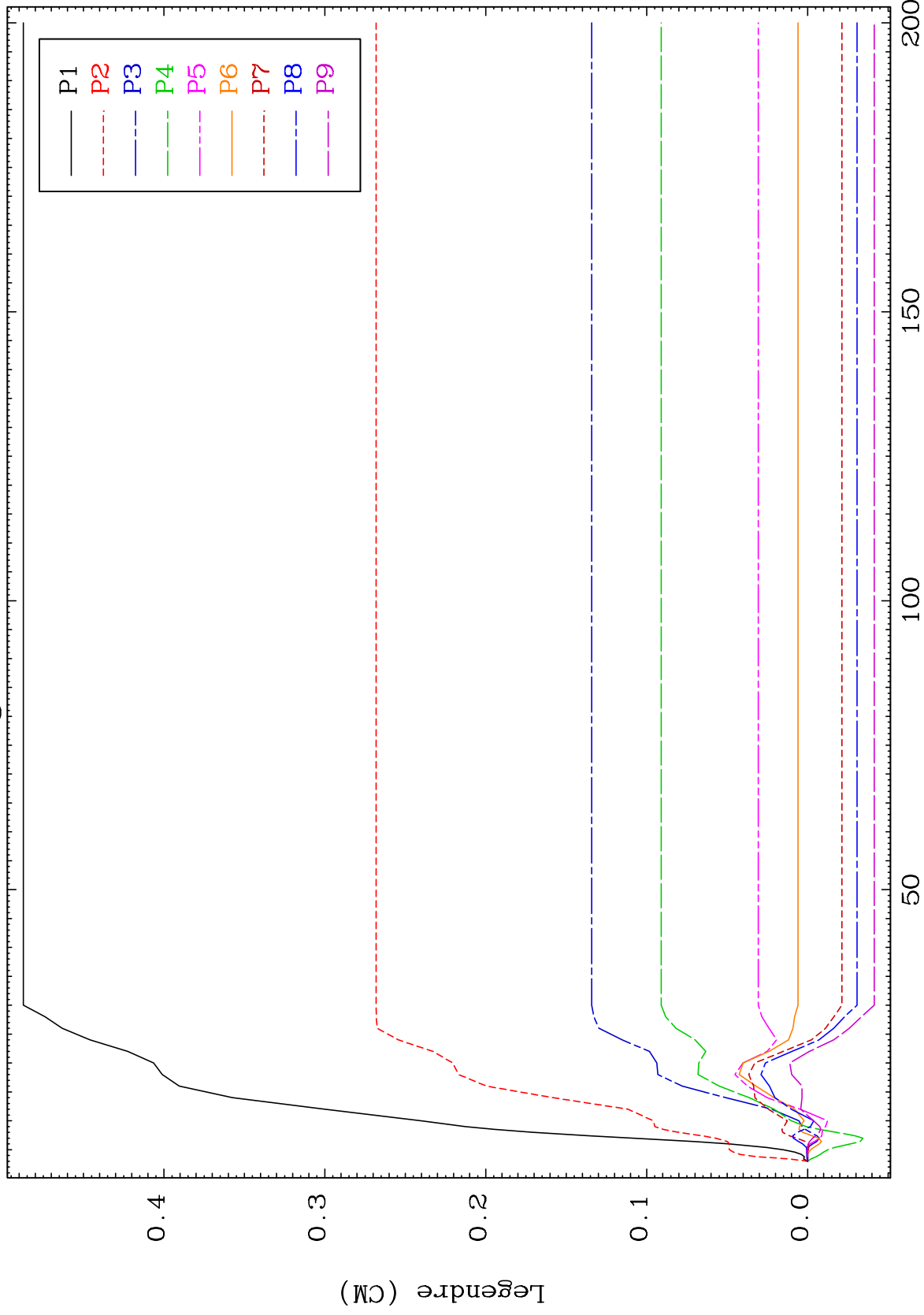
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



87

Incident Energy (MeV)

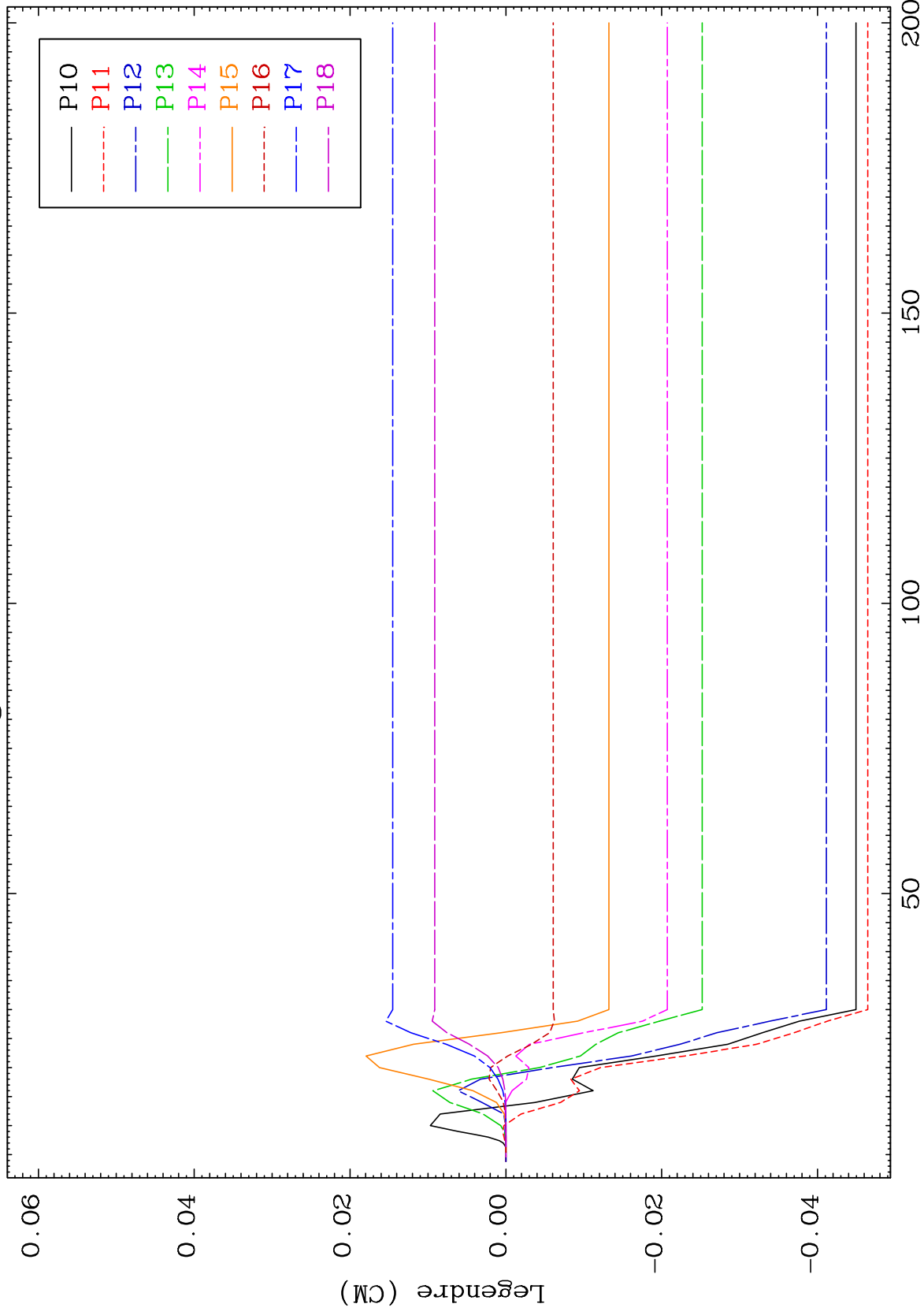
56-Ba-138



MAT 5649

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

56-Ba-138



88

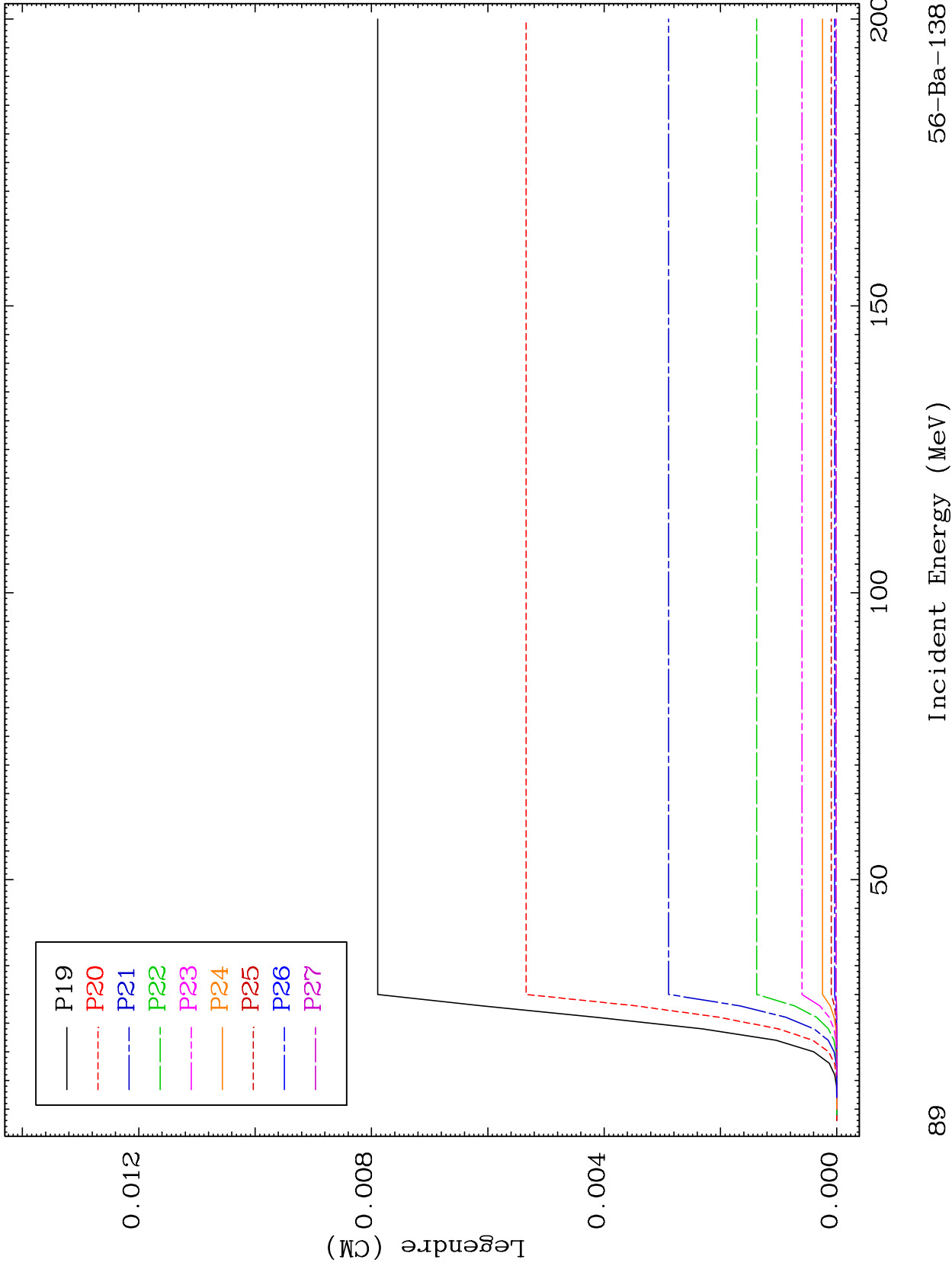
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



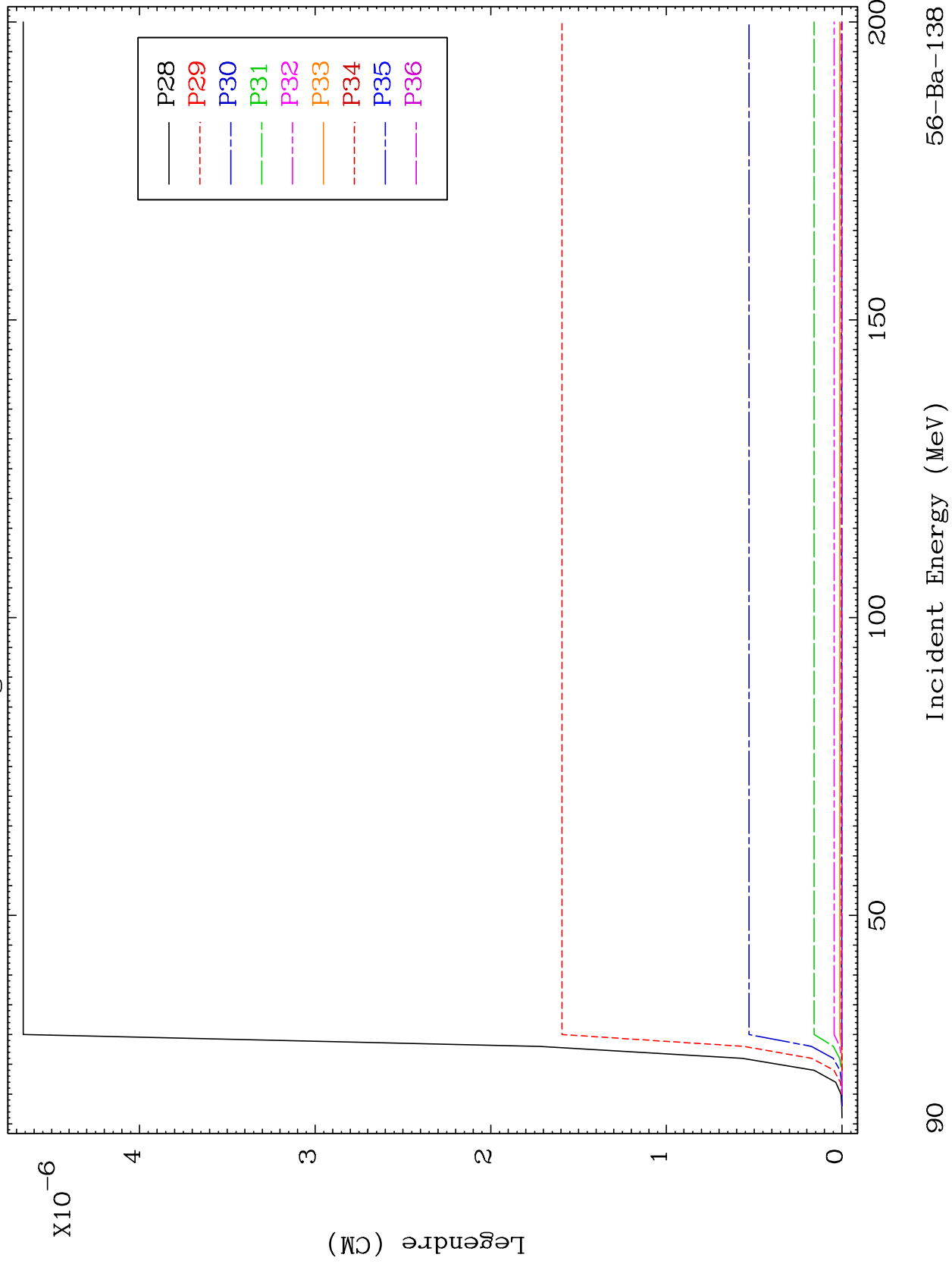
89

56-Ba-138

MAT 5649

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

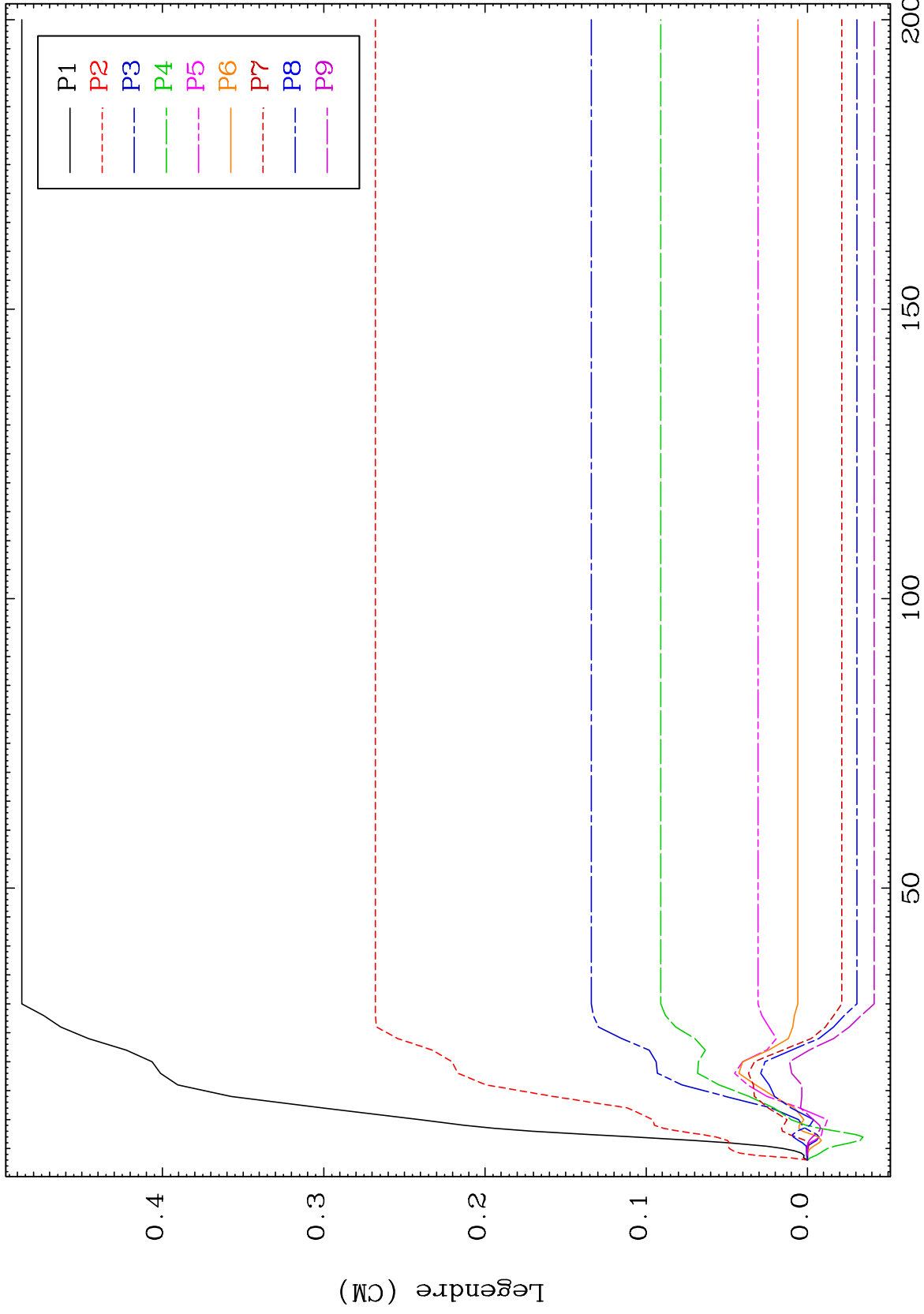
56-Ba-138



MAT 5649

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

56-Ba-138



91

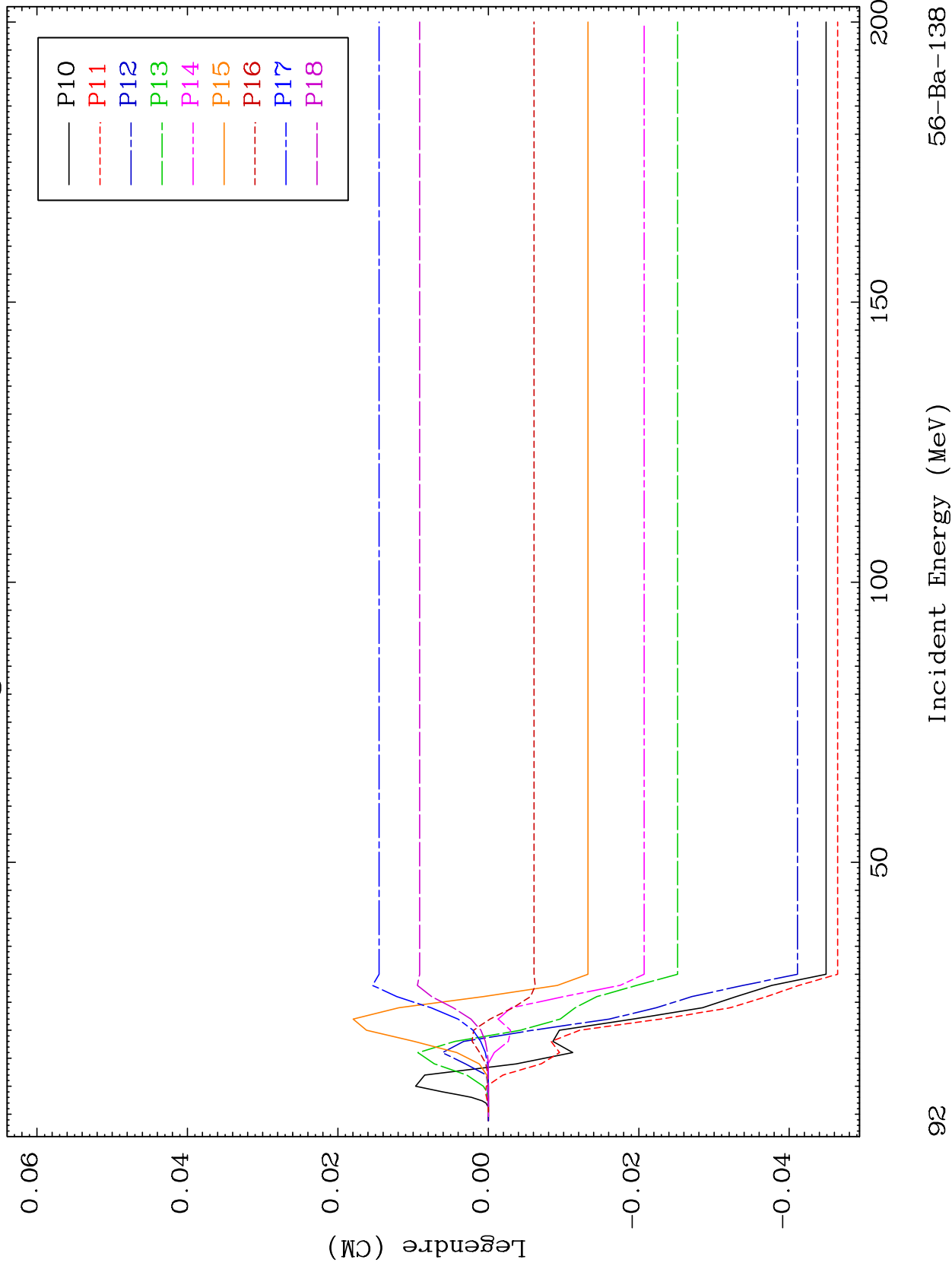
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



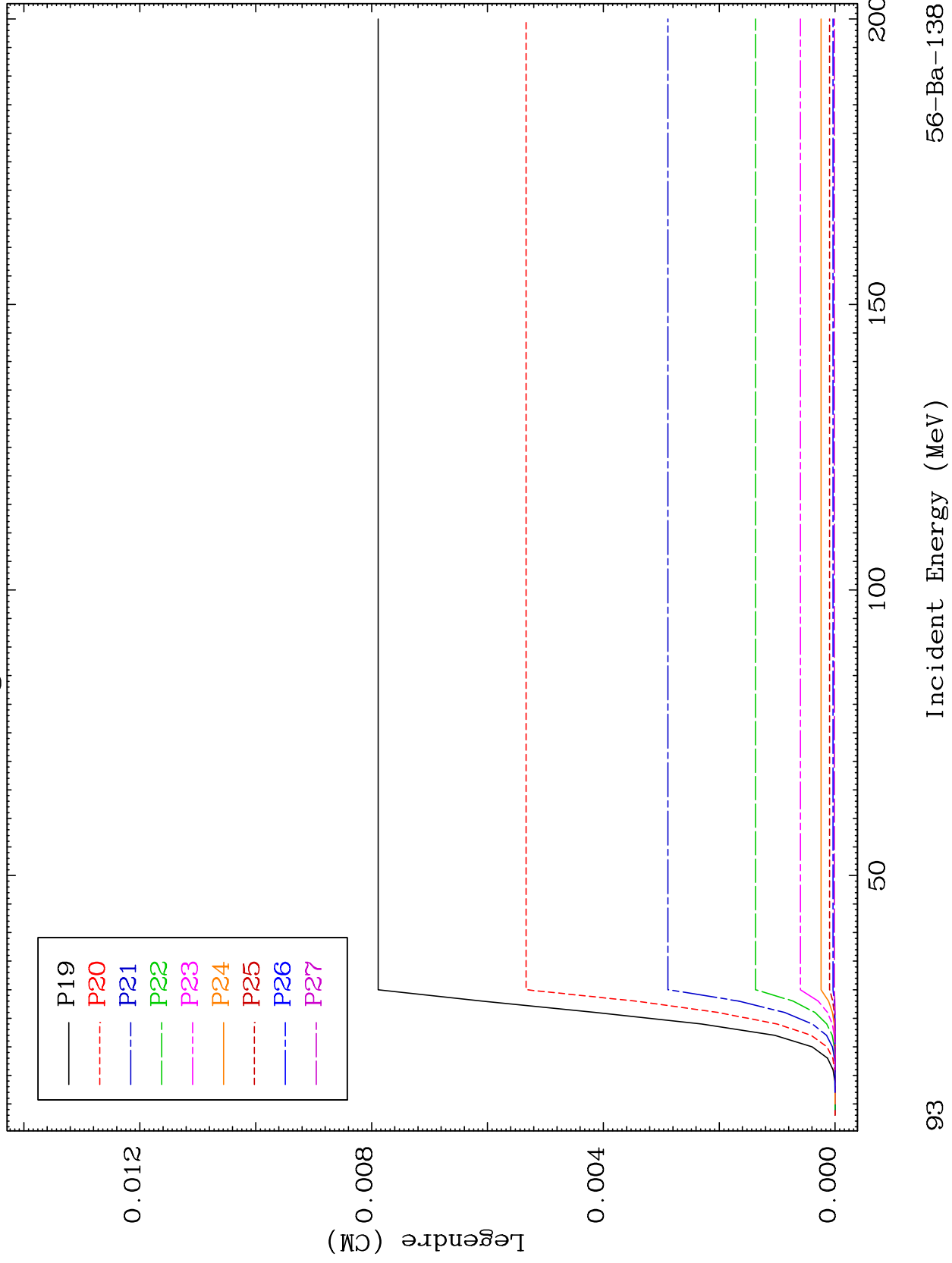
92

56-Ba-138

MAT 5649

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

56-Ba-138



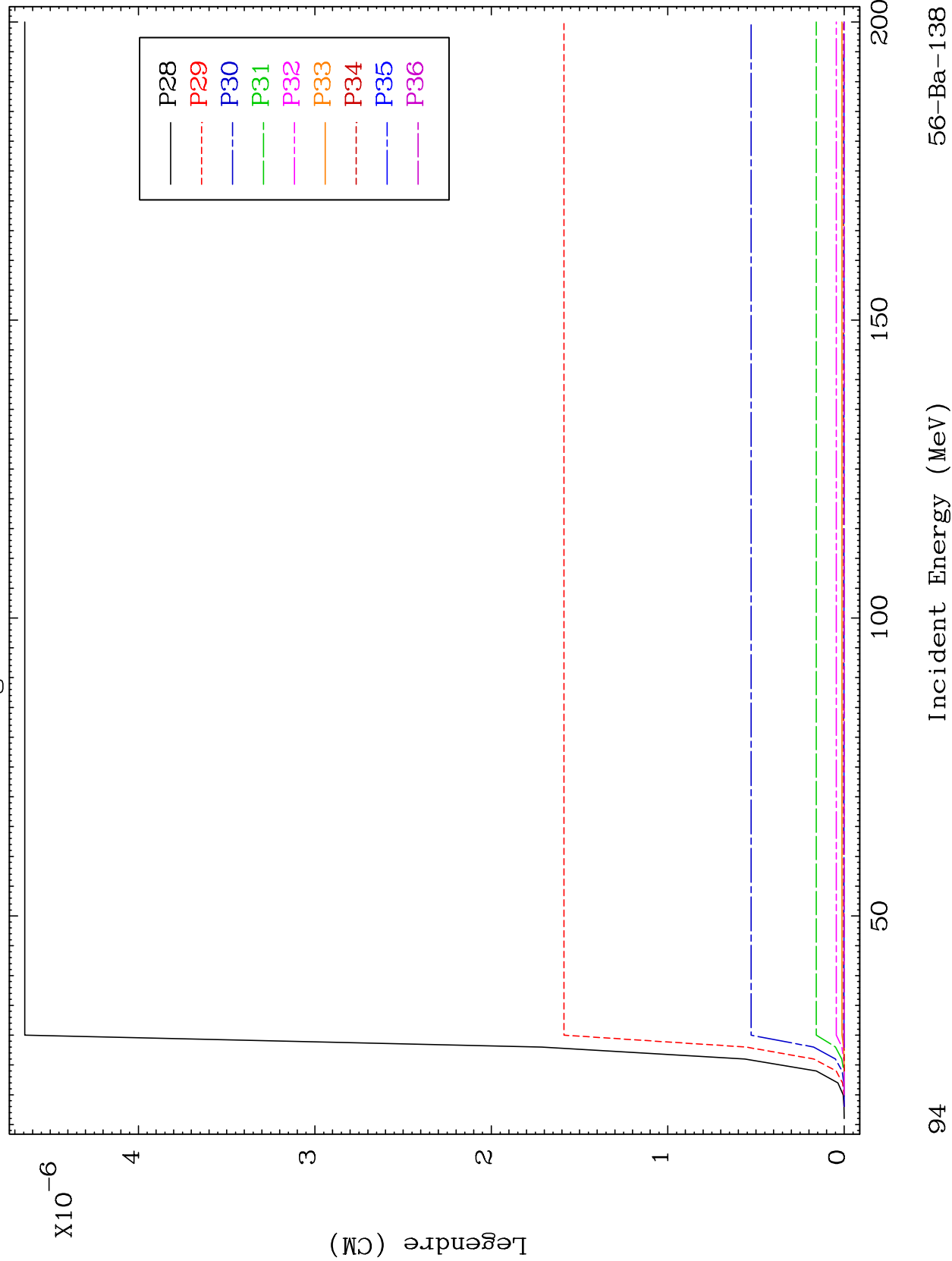
93

56-Ba-138

MAT 5649

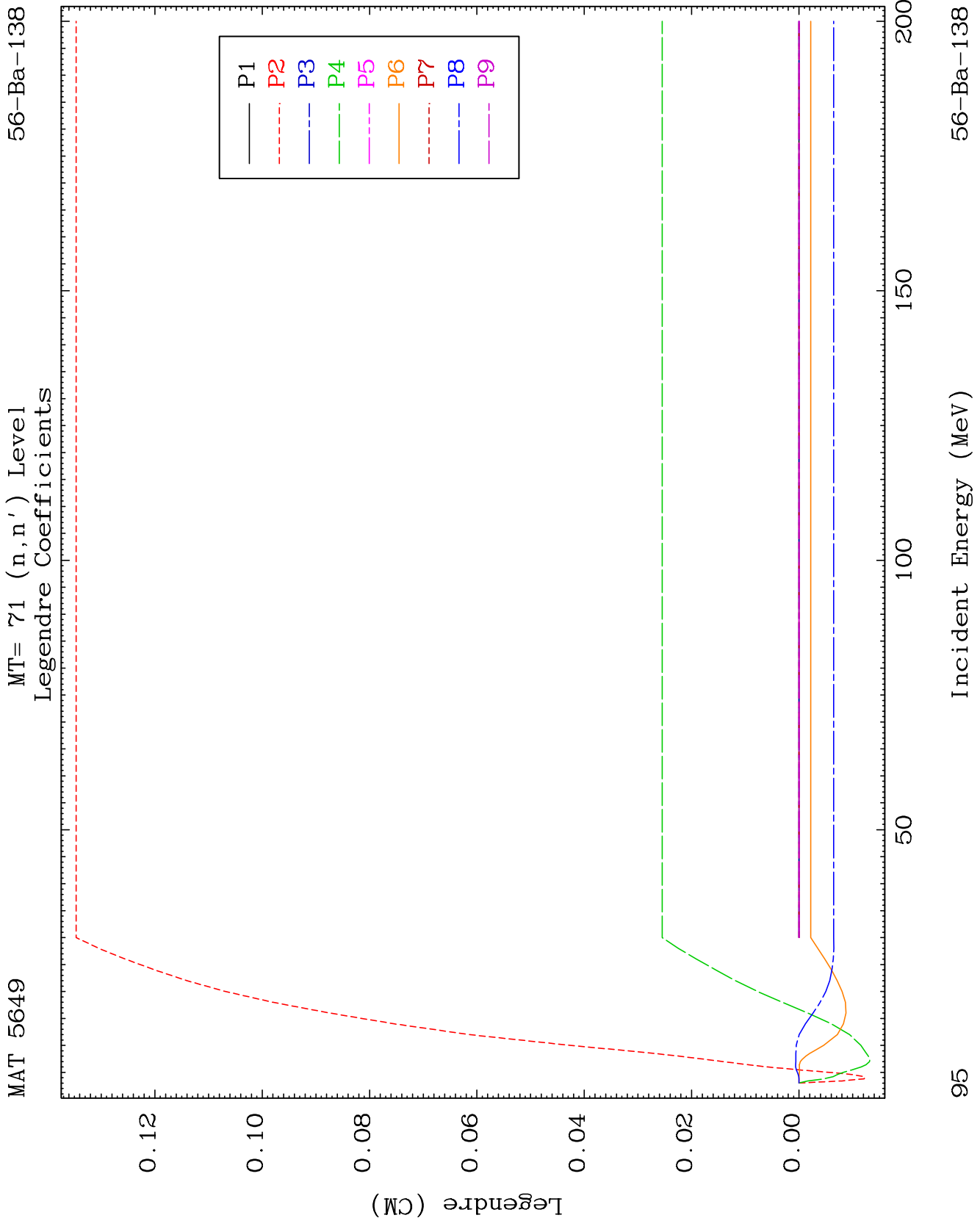
MT= 70 (n,n') Level  
Legendre Coefficients

56-Ba-138



94

56-Ba-138

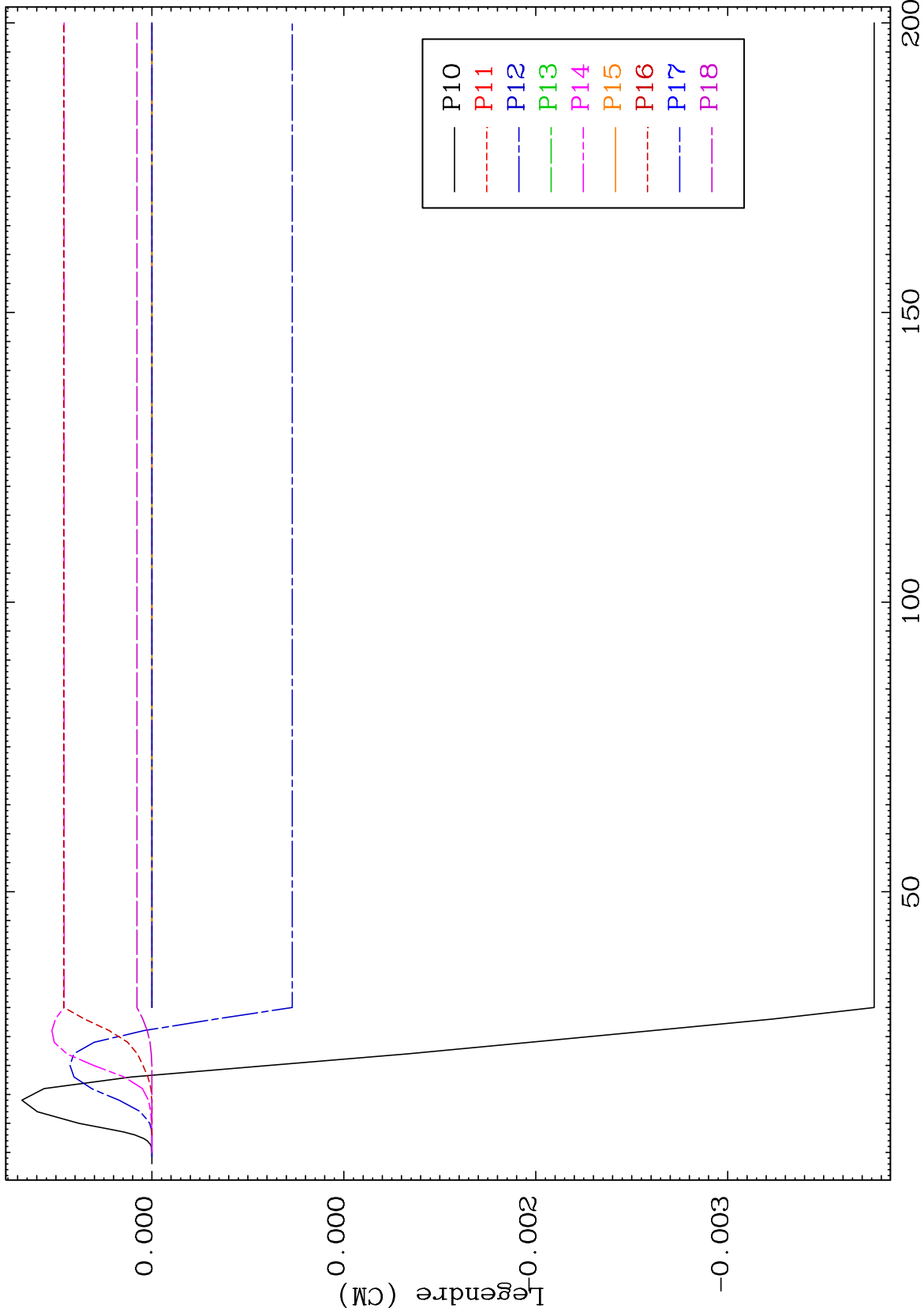




MAT 5649

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

56-Ba-138



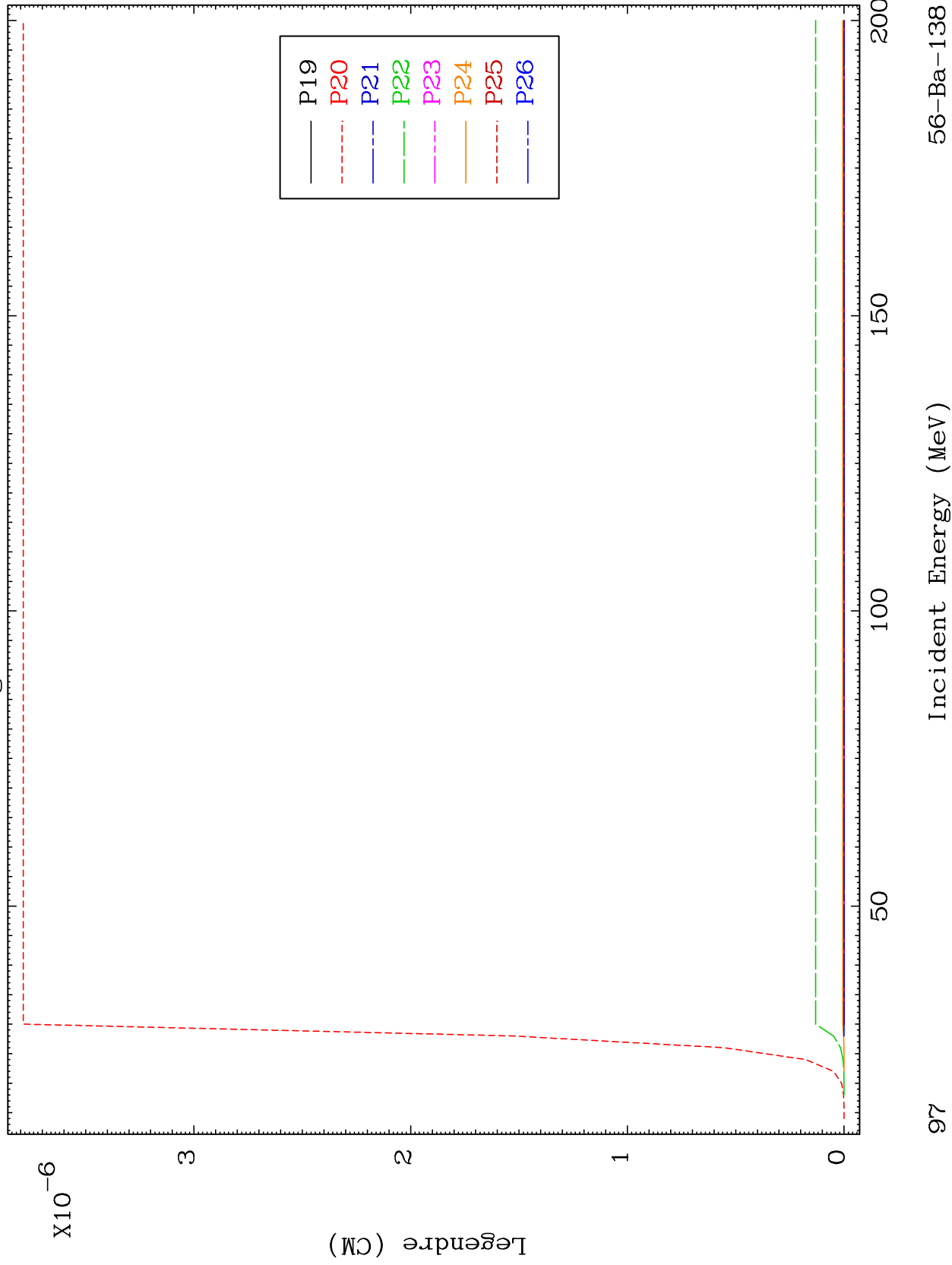
96

56-Ba-138

MAT 5649

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

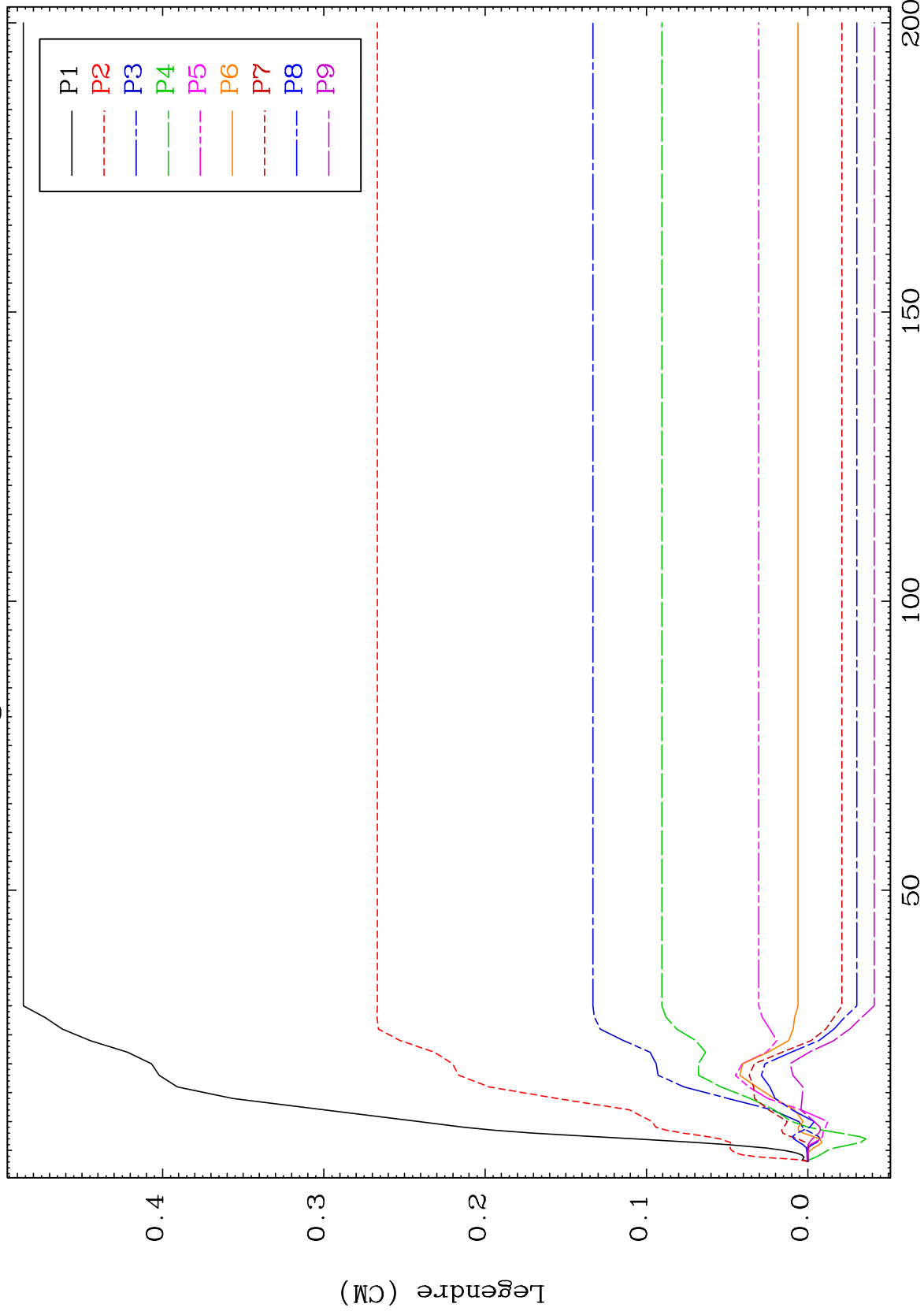
56-Ba-138



MAT 5649

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

56-Ba-138



98

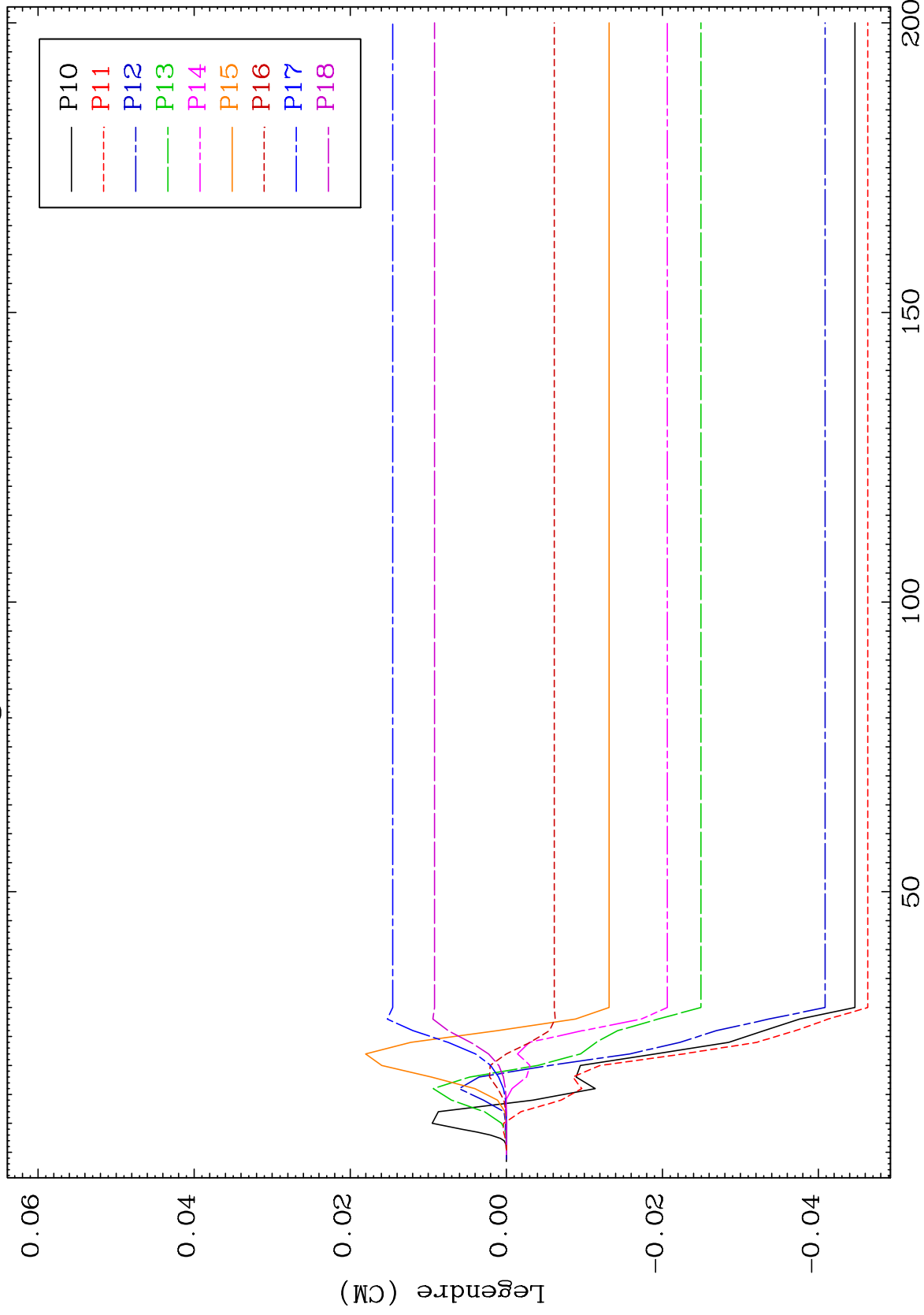
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



99

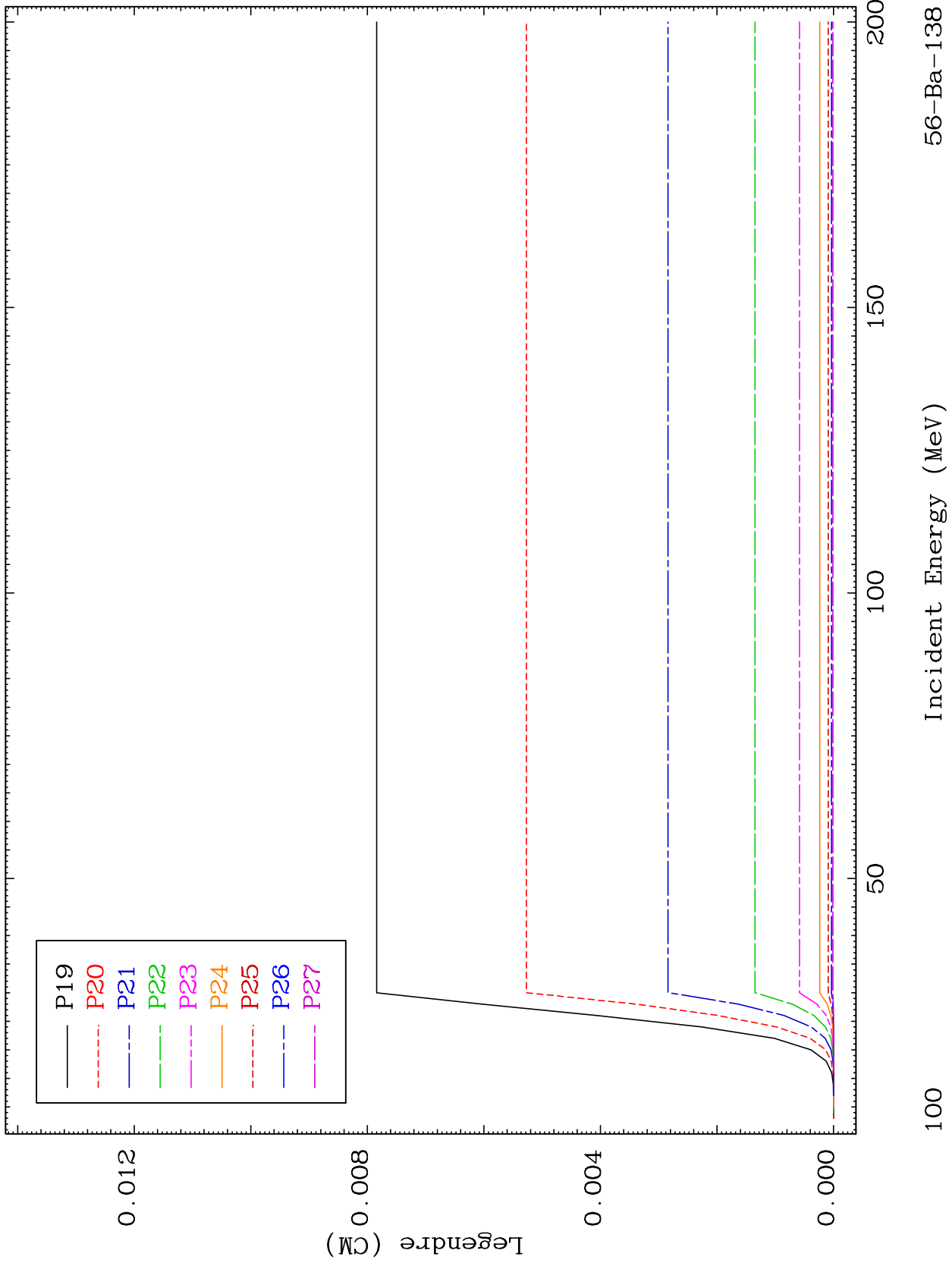
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

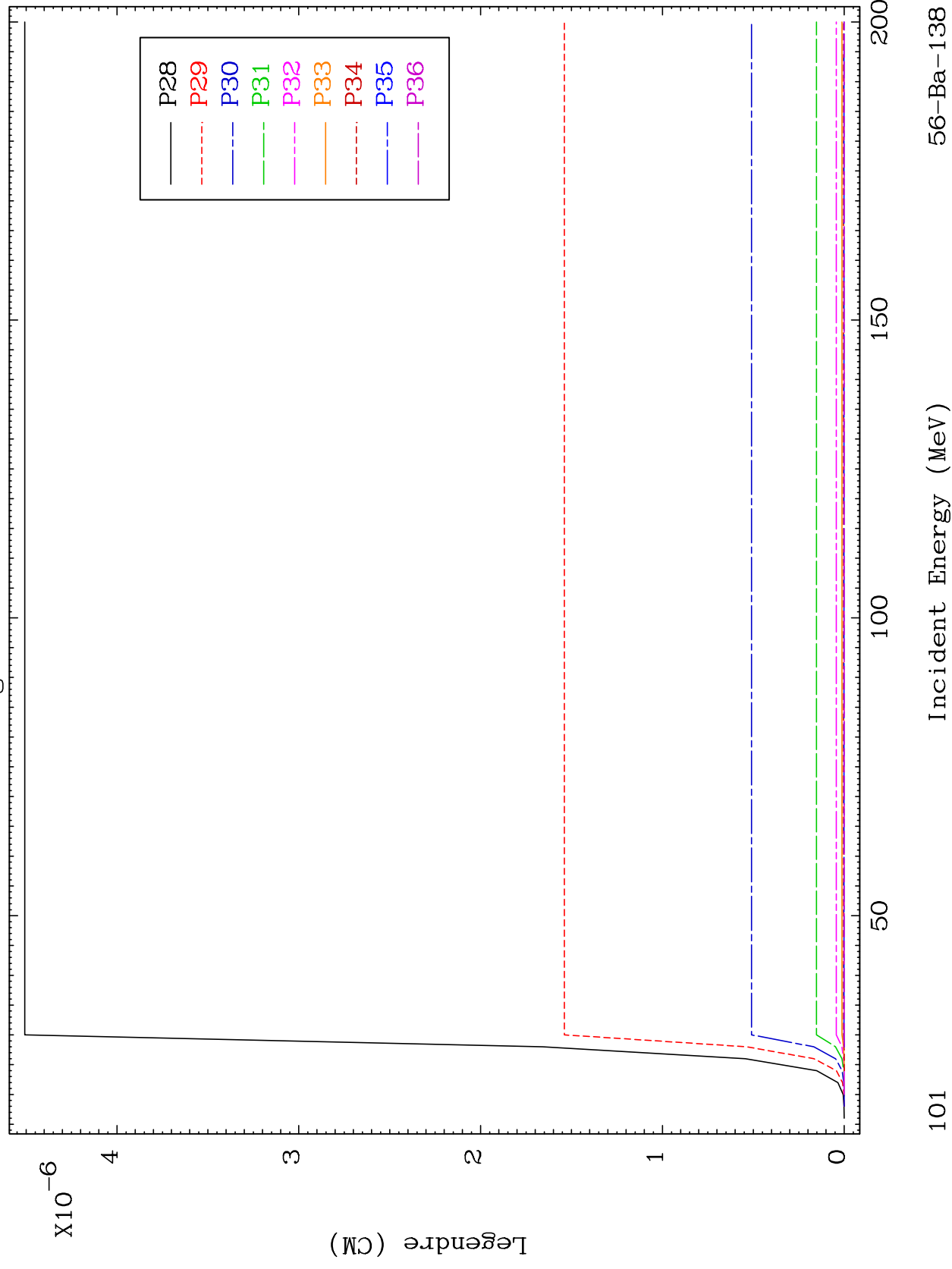
56-Ba-138



MAT 5649

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

56-Ba-138

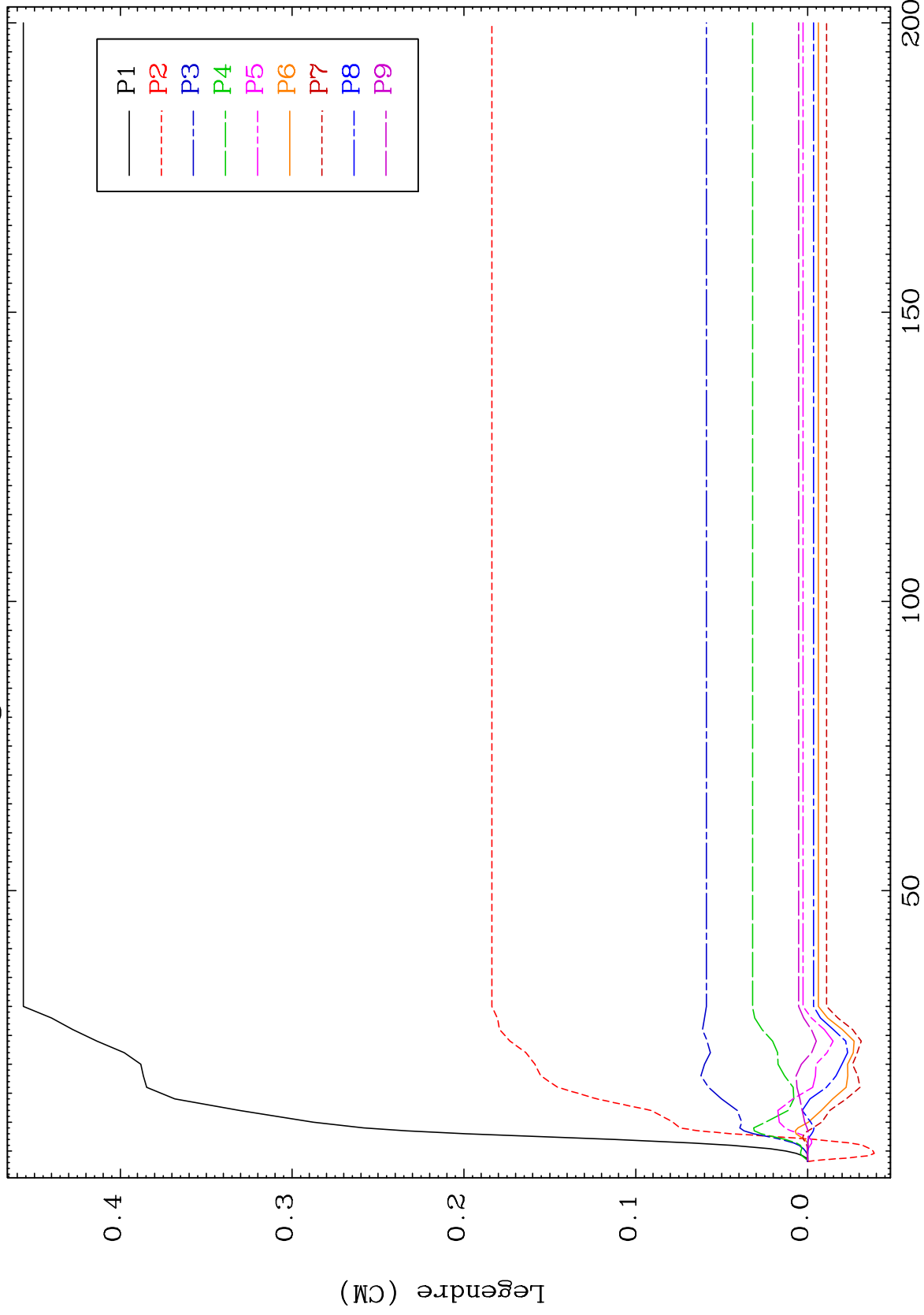


101

MAT 5649

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

56-Ba-138



102

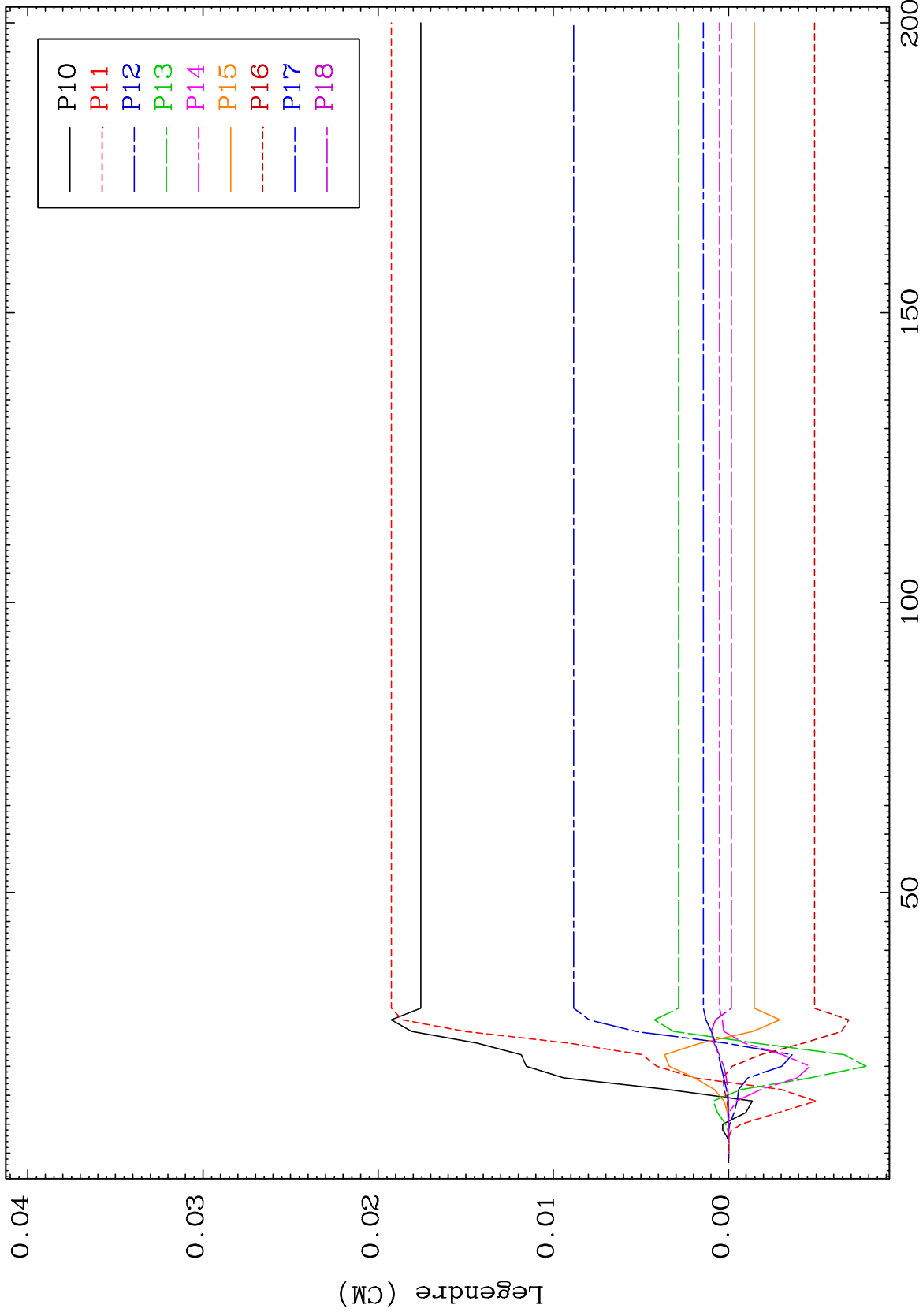
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



103

Incident Energy (MeV)

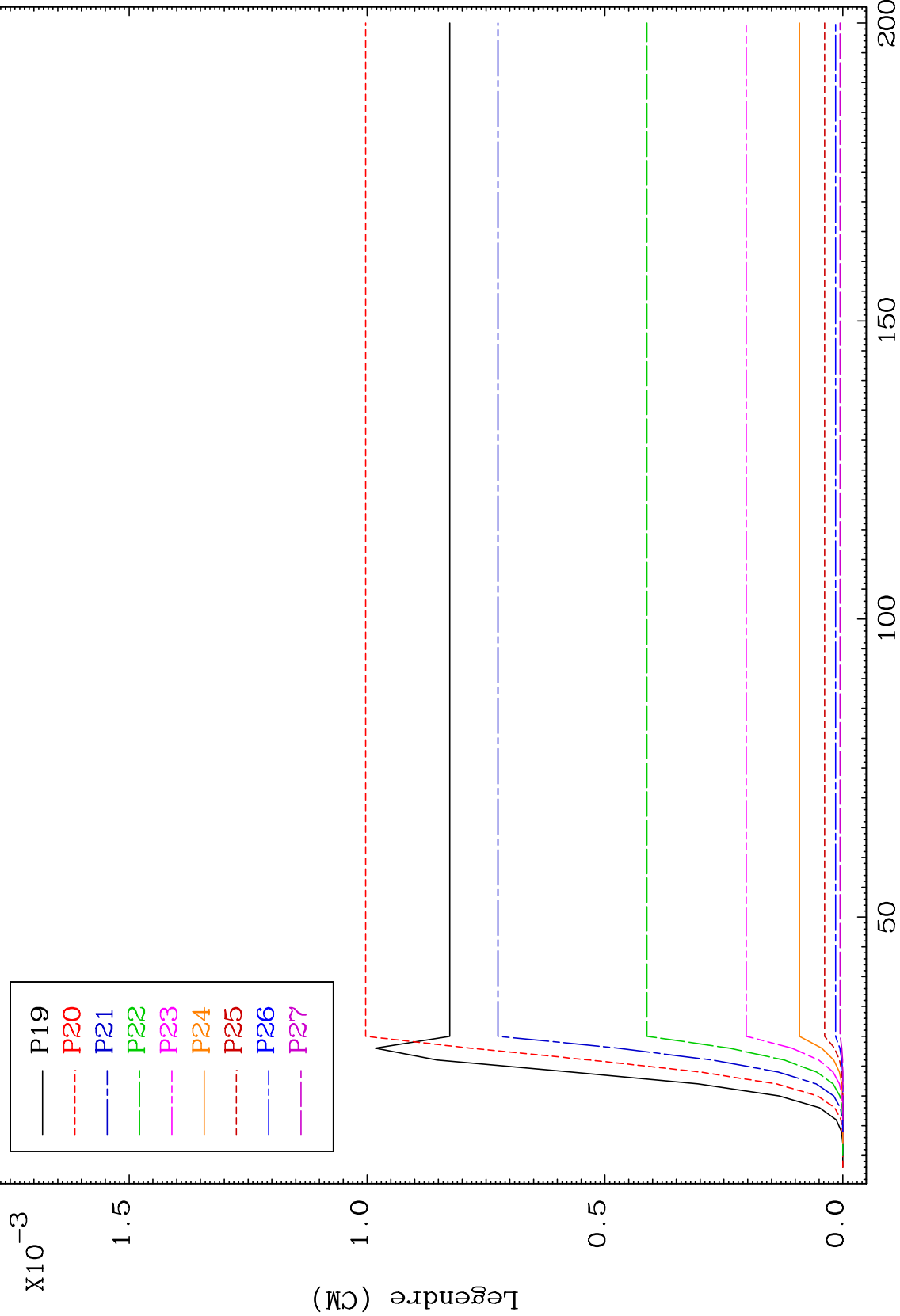
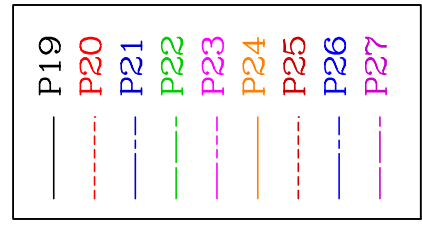
56-Ba-138



MAT 5649

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

56-Ba-138



104

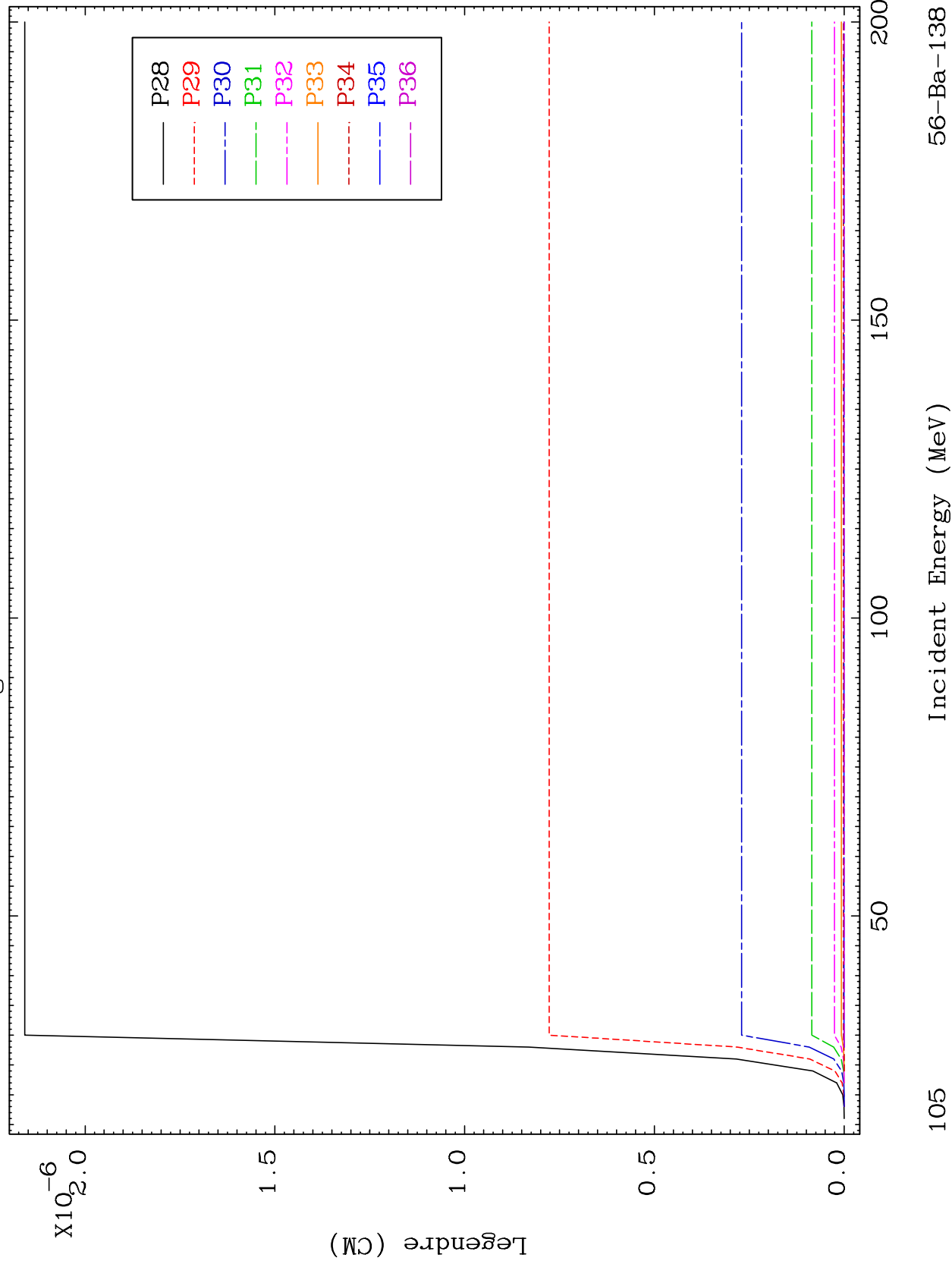
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138

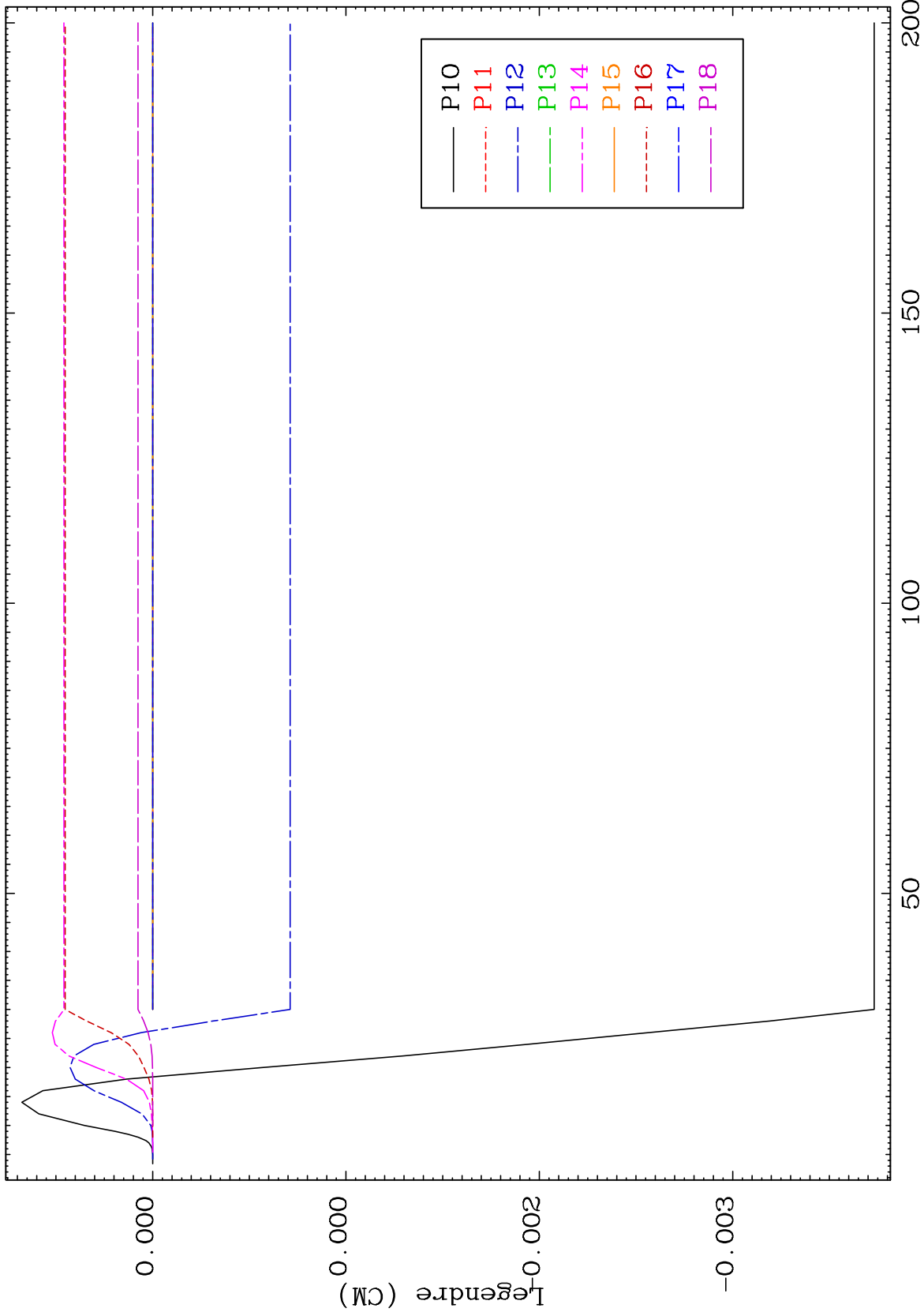




MAT 5649

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

56-Ba-138



107

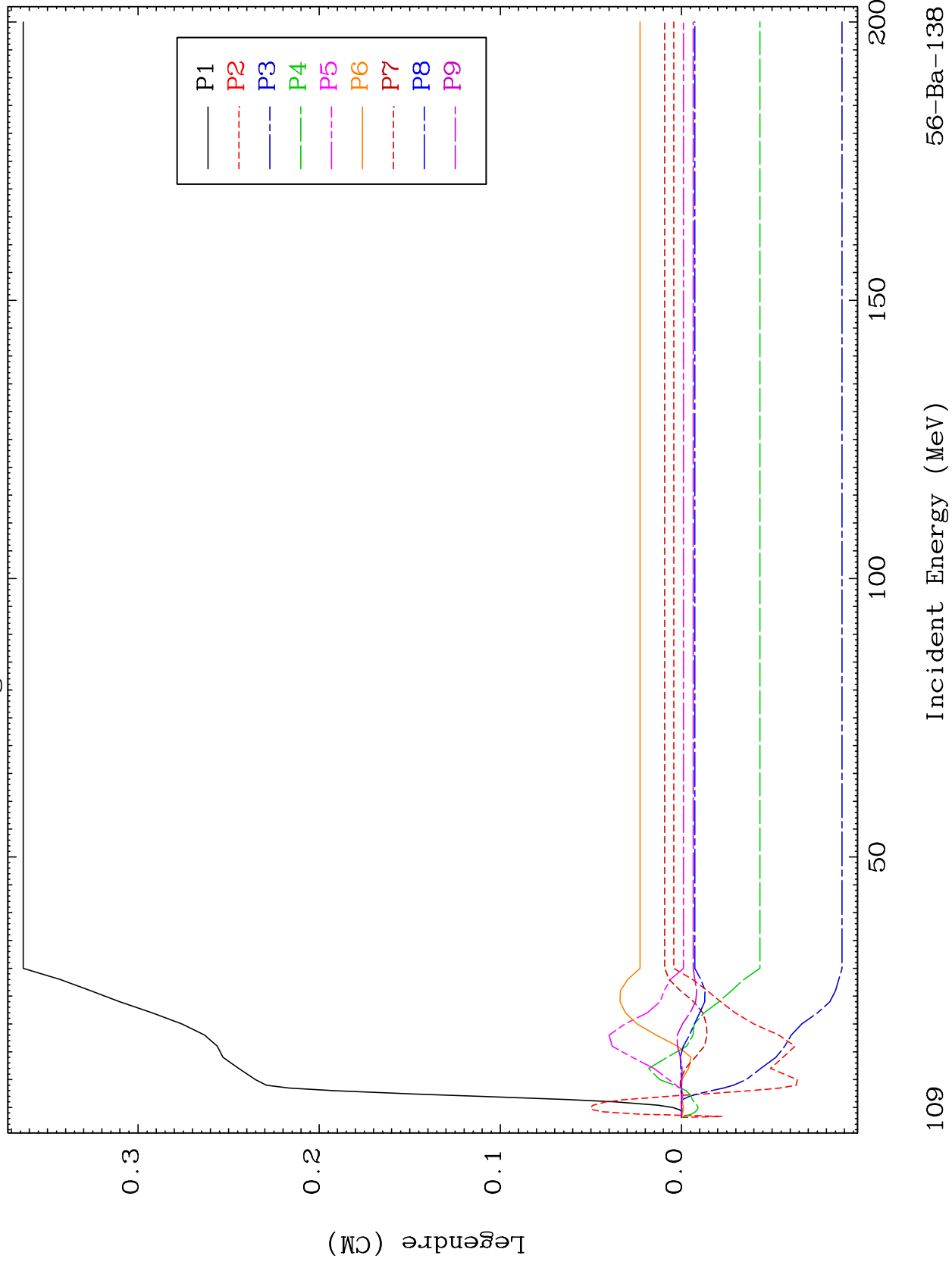
56-Ba-138



MAT 5649

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

56-Ba-138



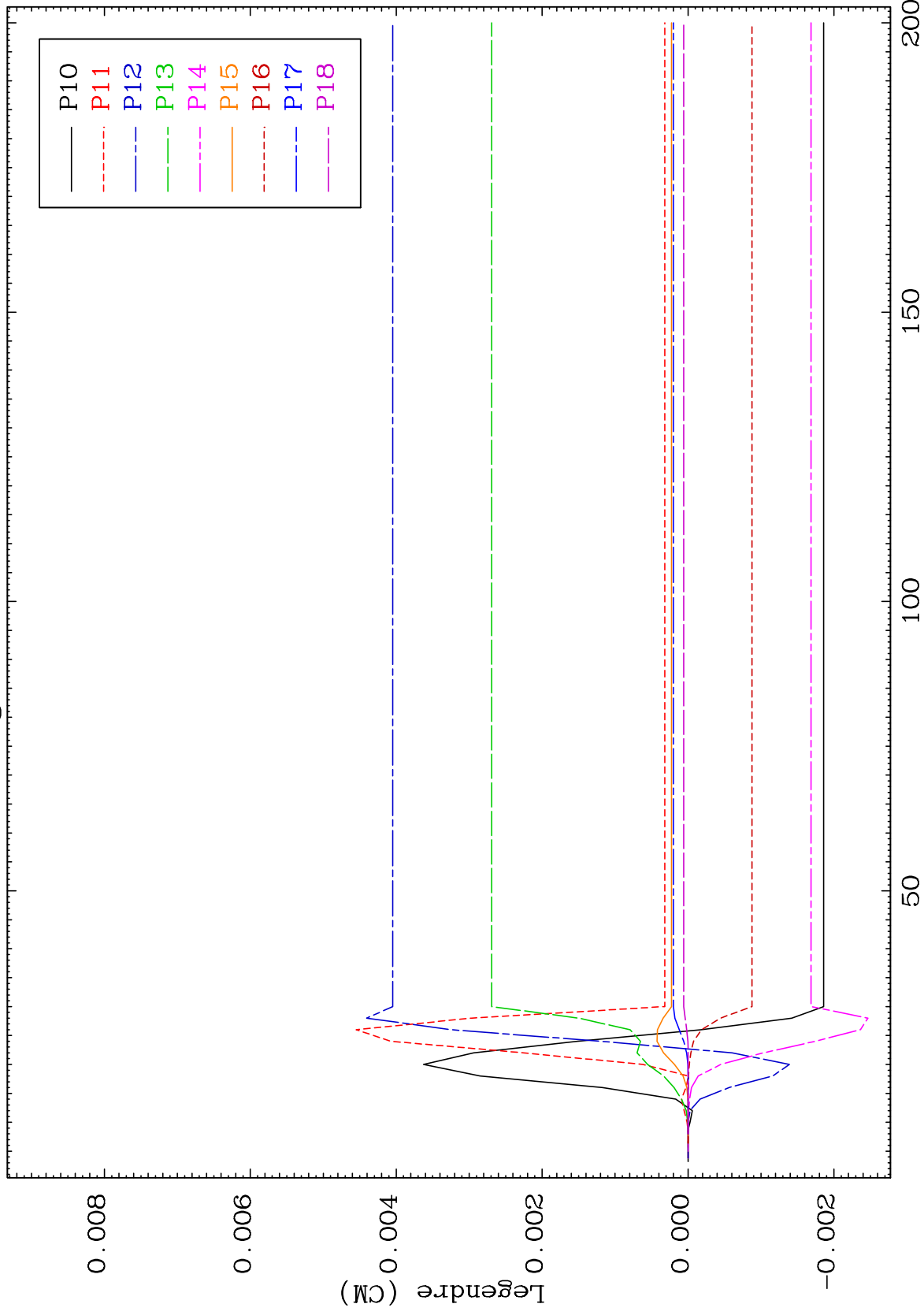
109

56-Ba-138

MAT 5649

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

56-Ba-138



110

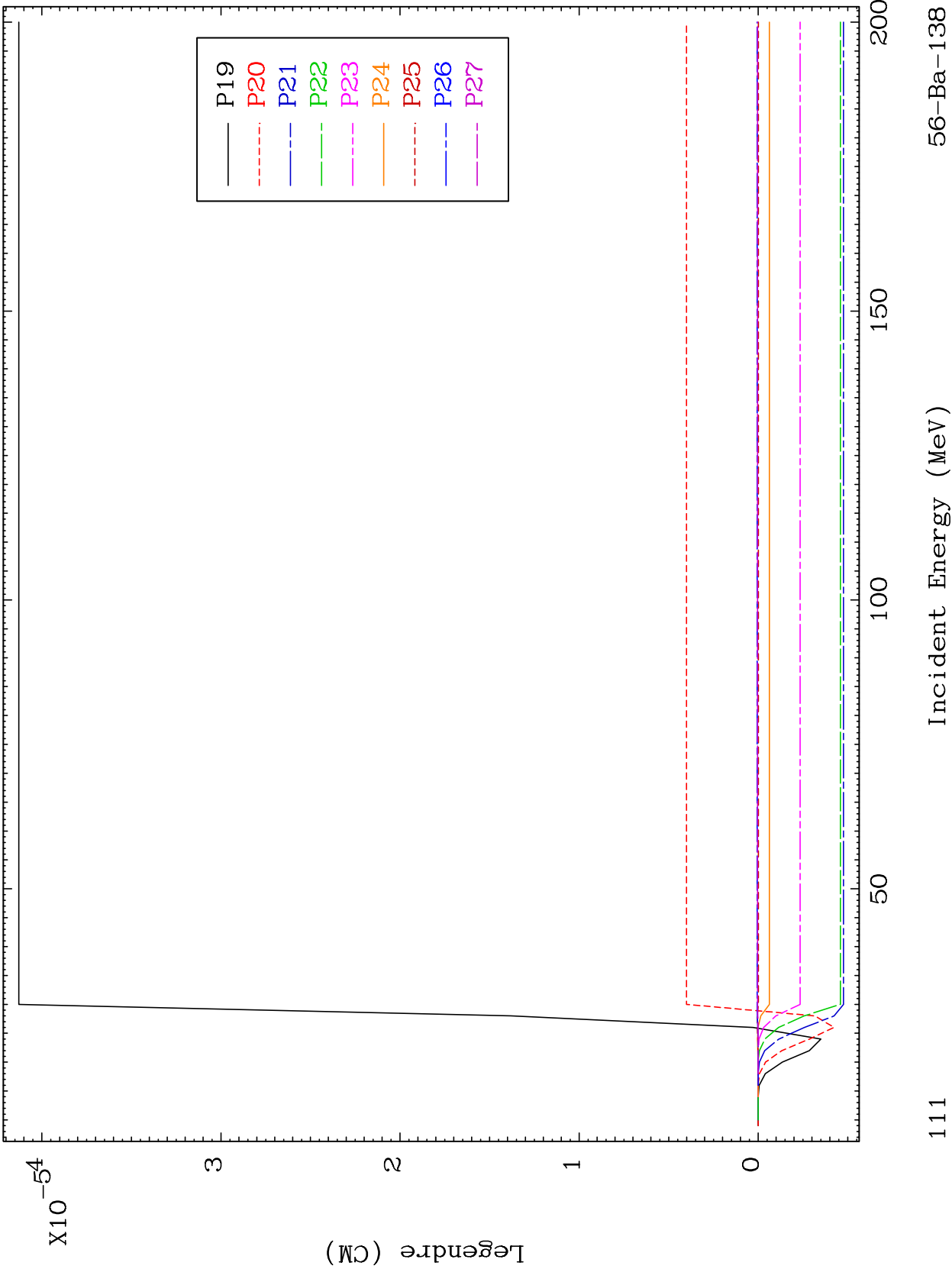
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138

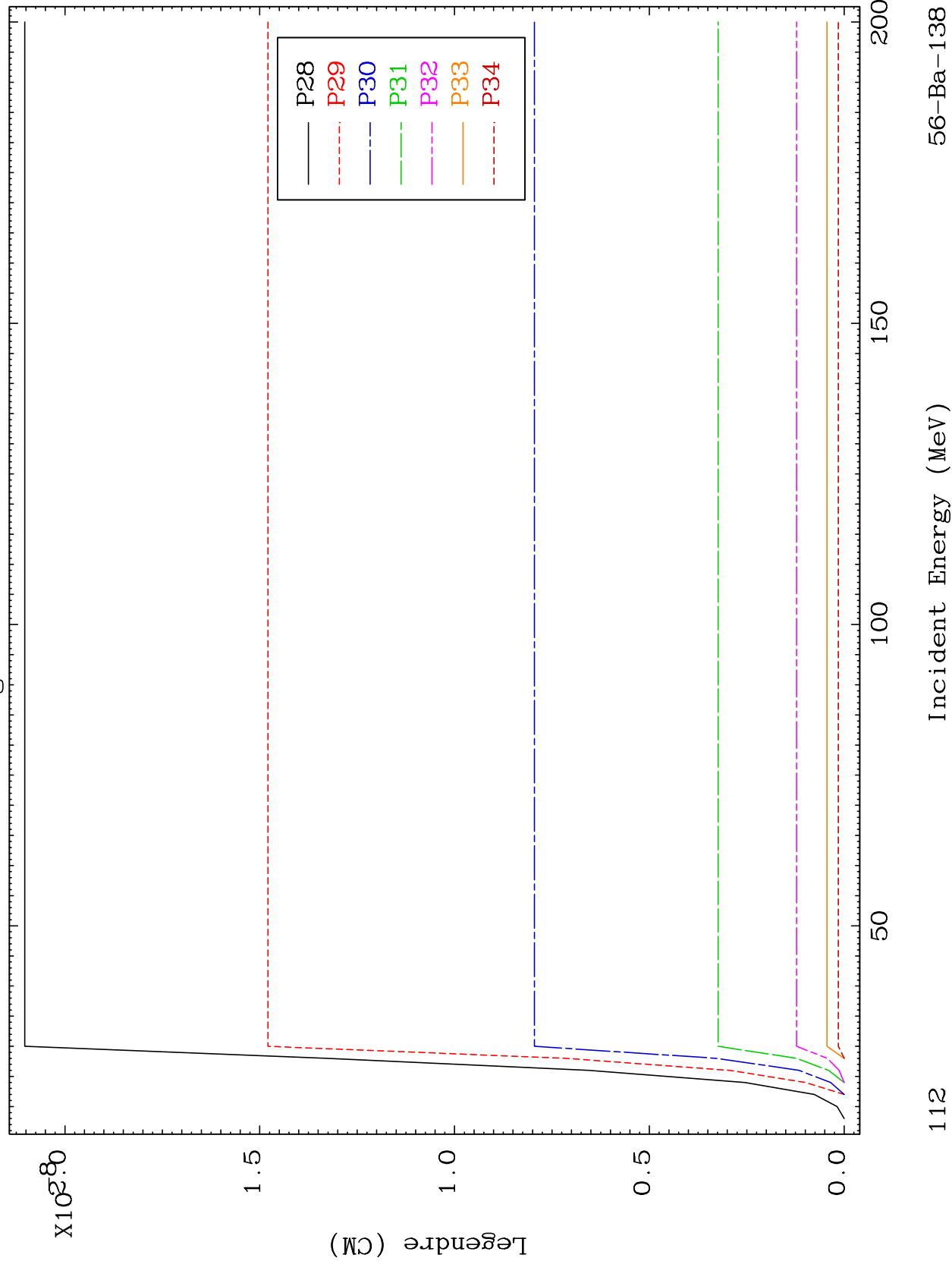




MAT 5649

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

56-Ba-138



112

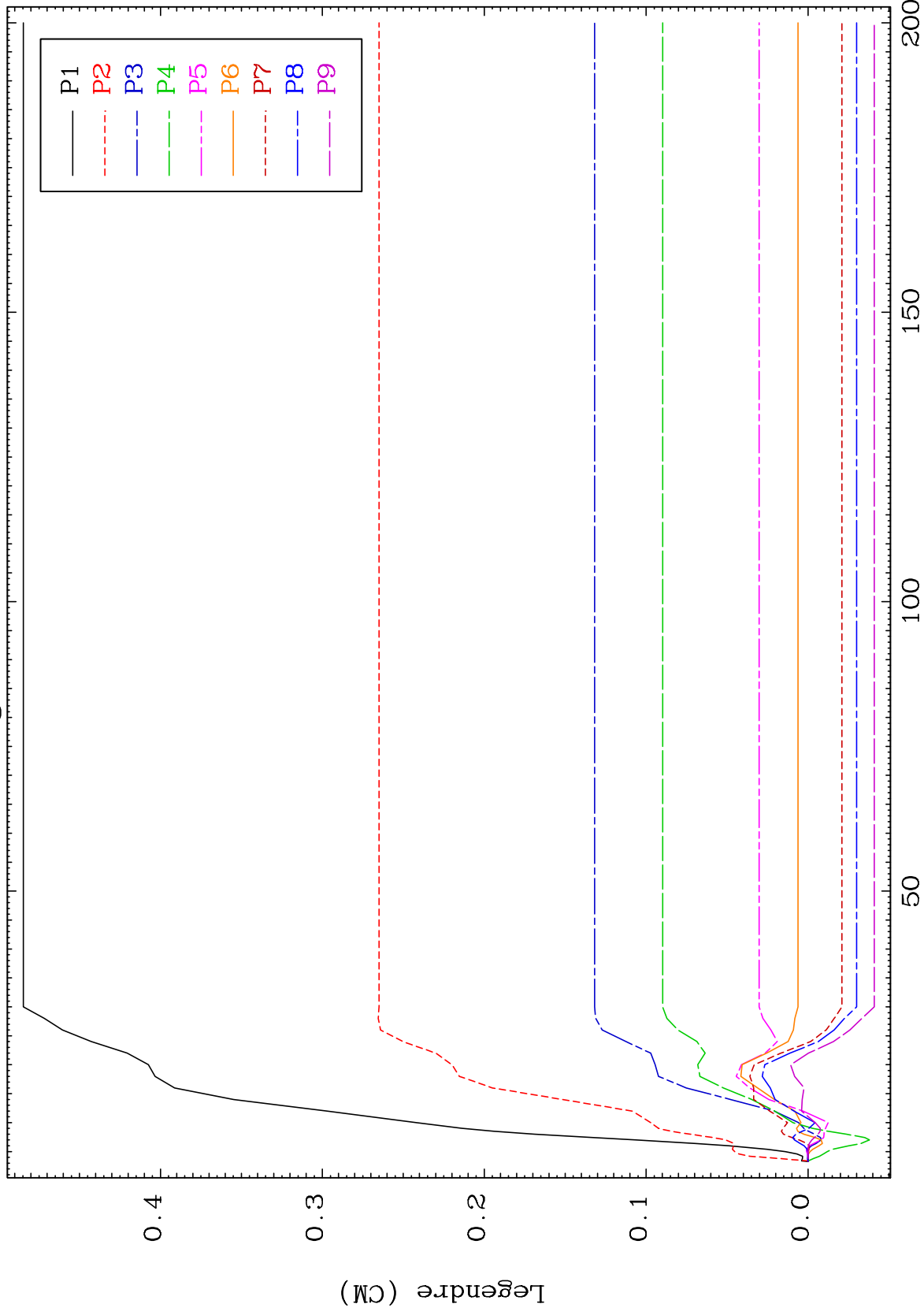
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



113

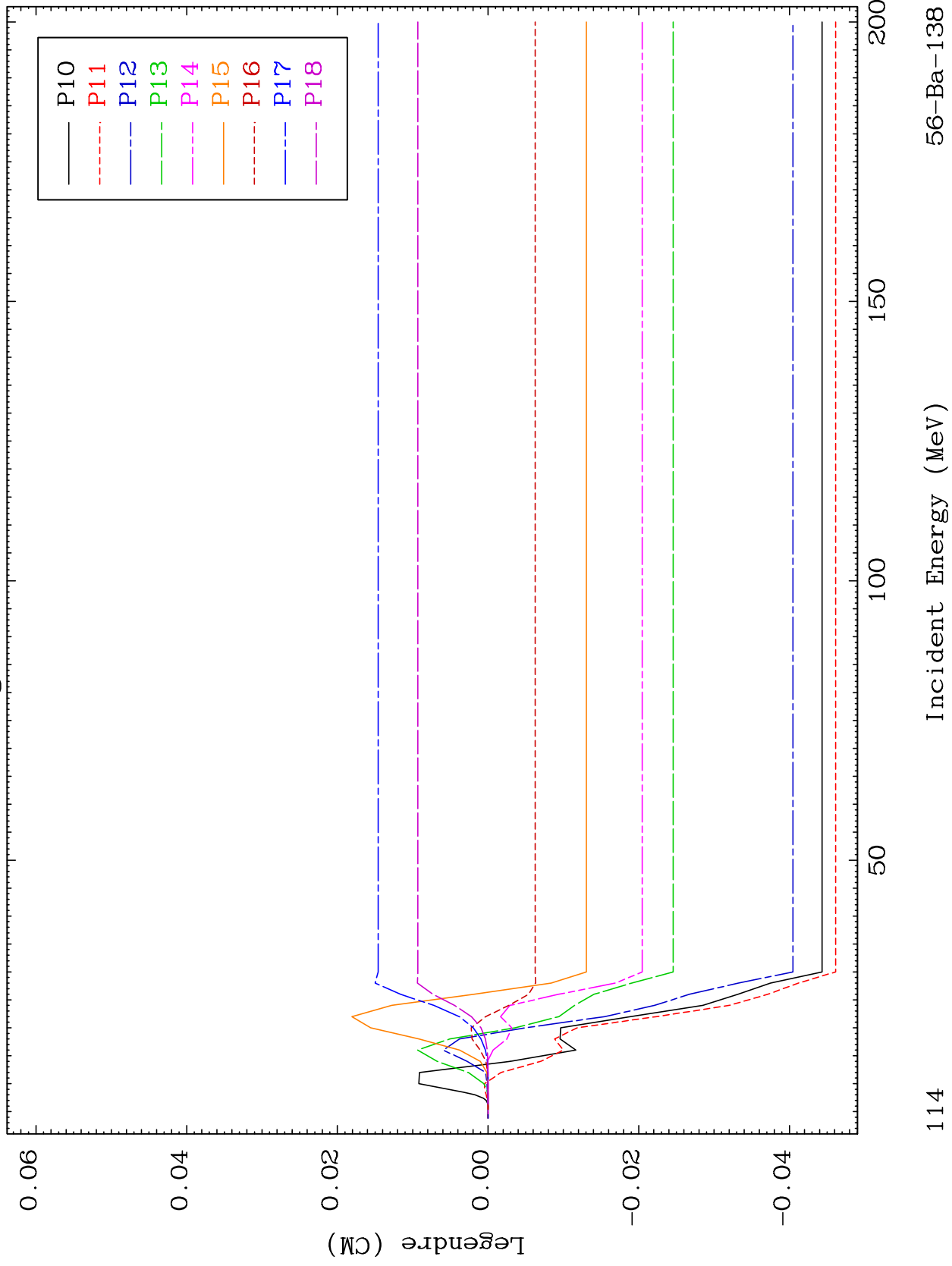
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



114

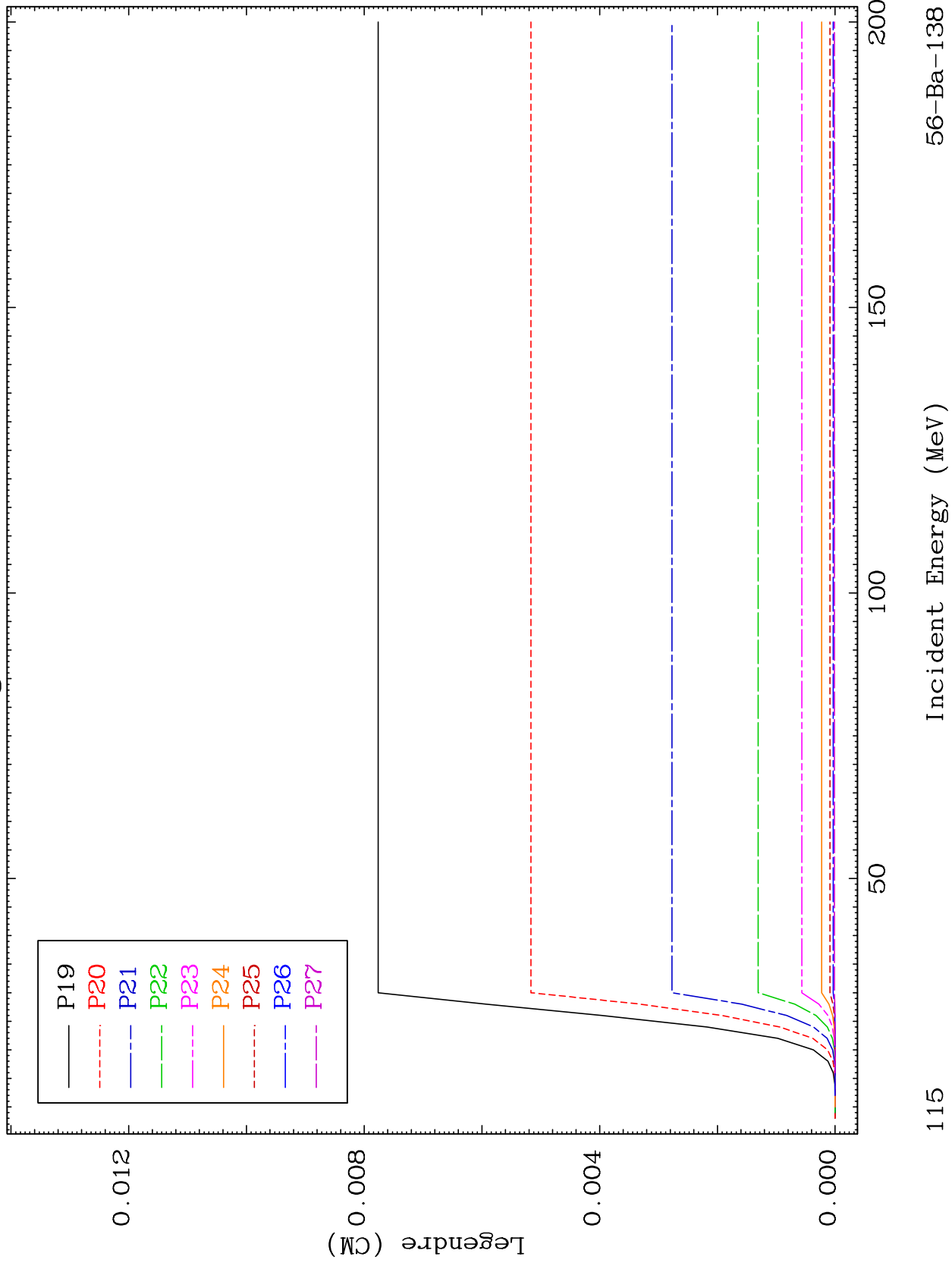
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



56-Ba-138

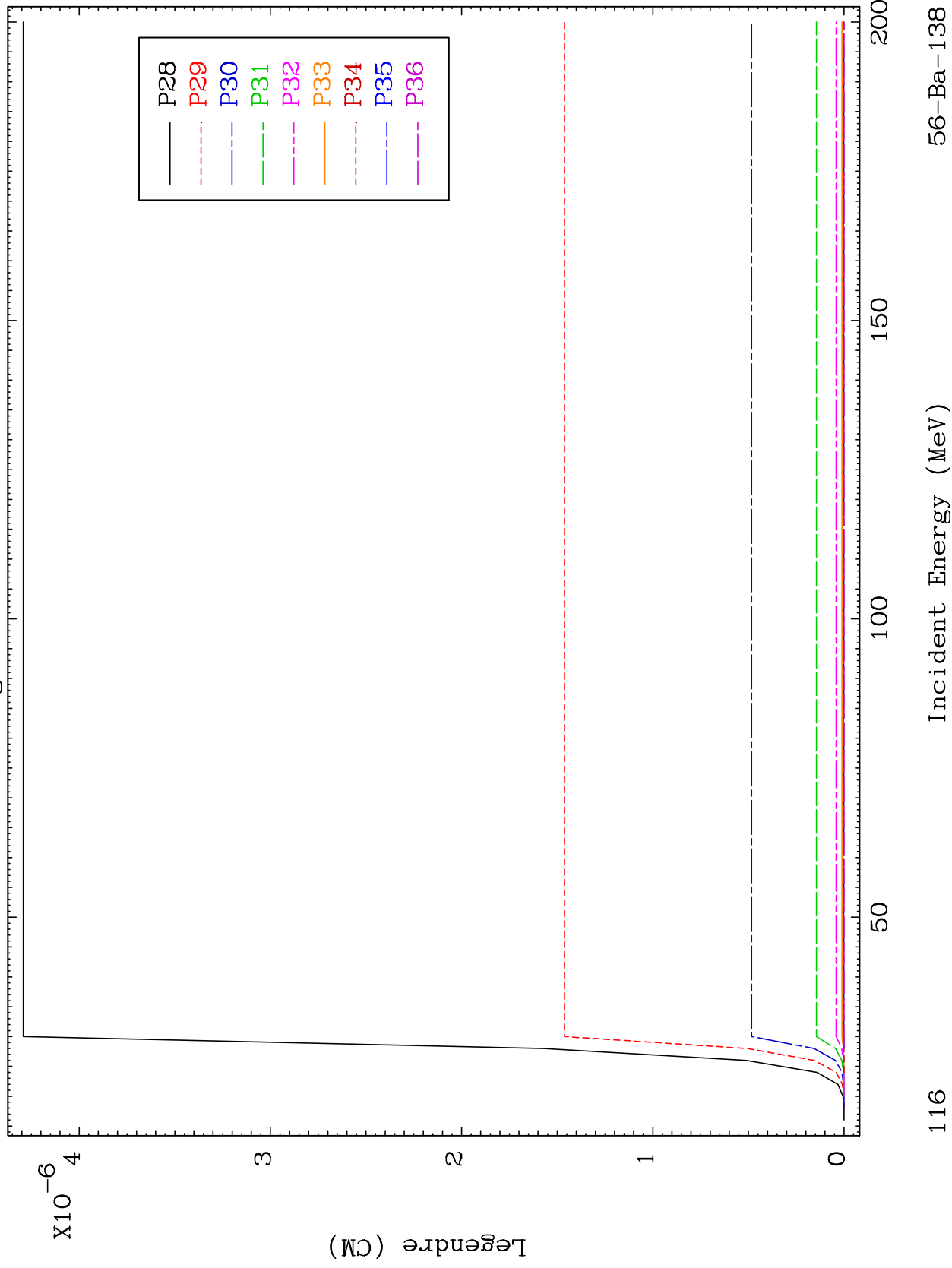
Incident Energy (MeV)

115

MAT 5649

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

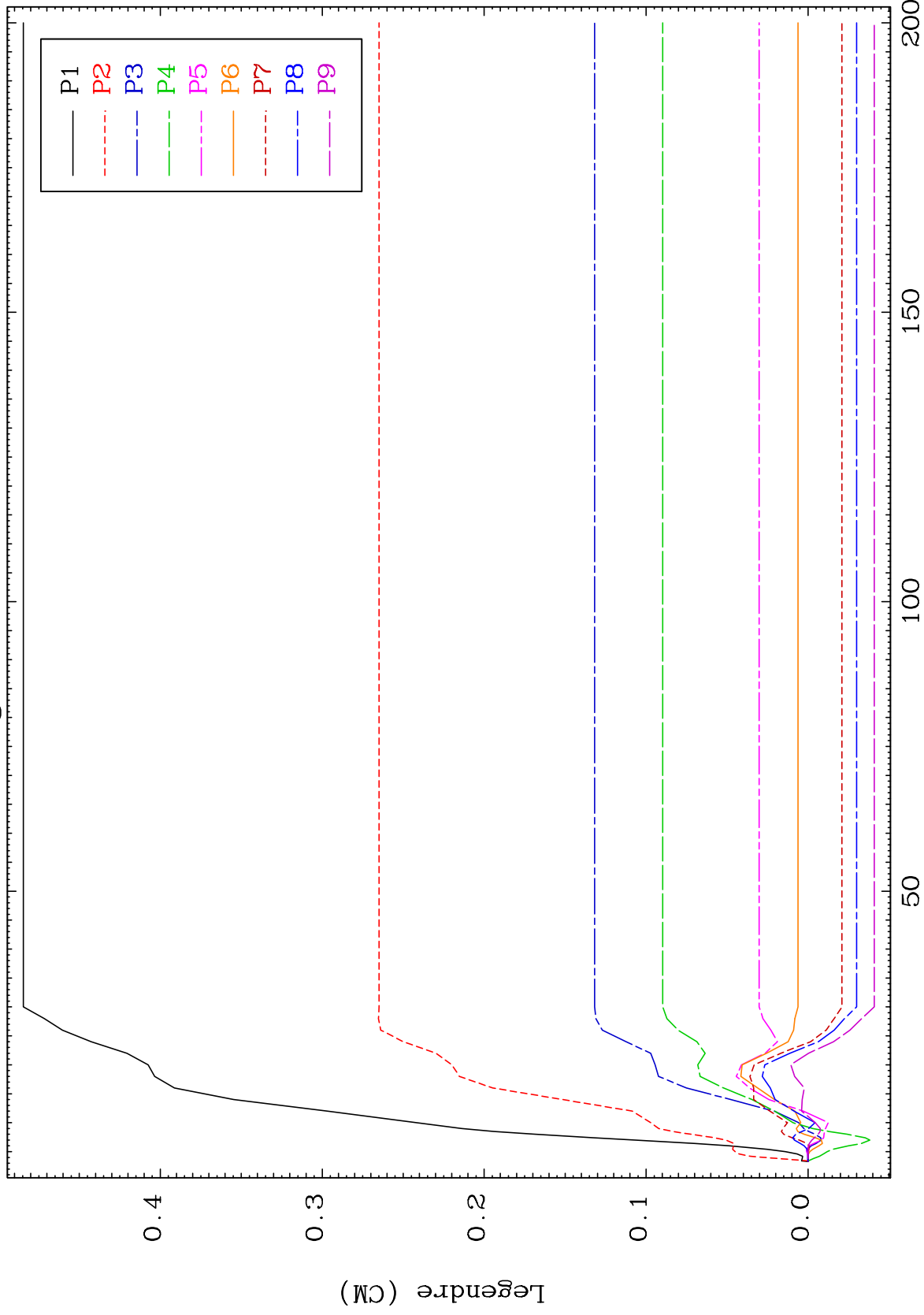
56-Ba-138



MAT 5649

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

56-Ba-138



117

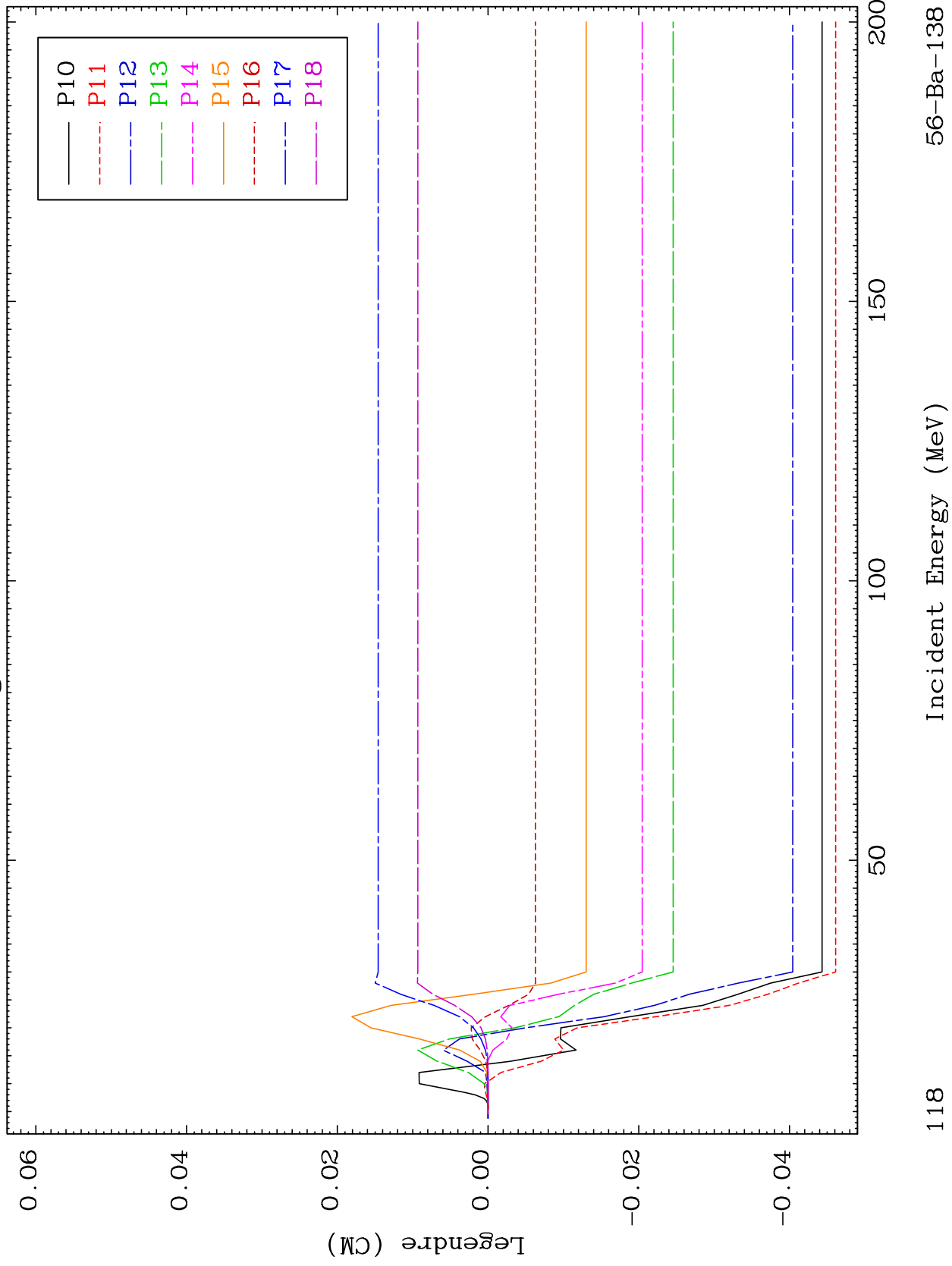
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



118

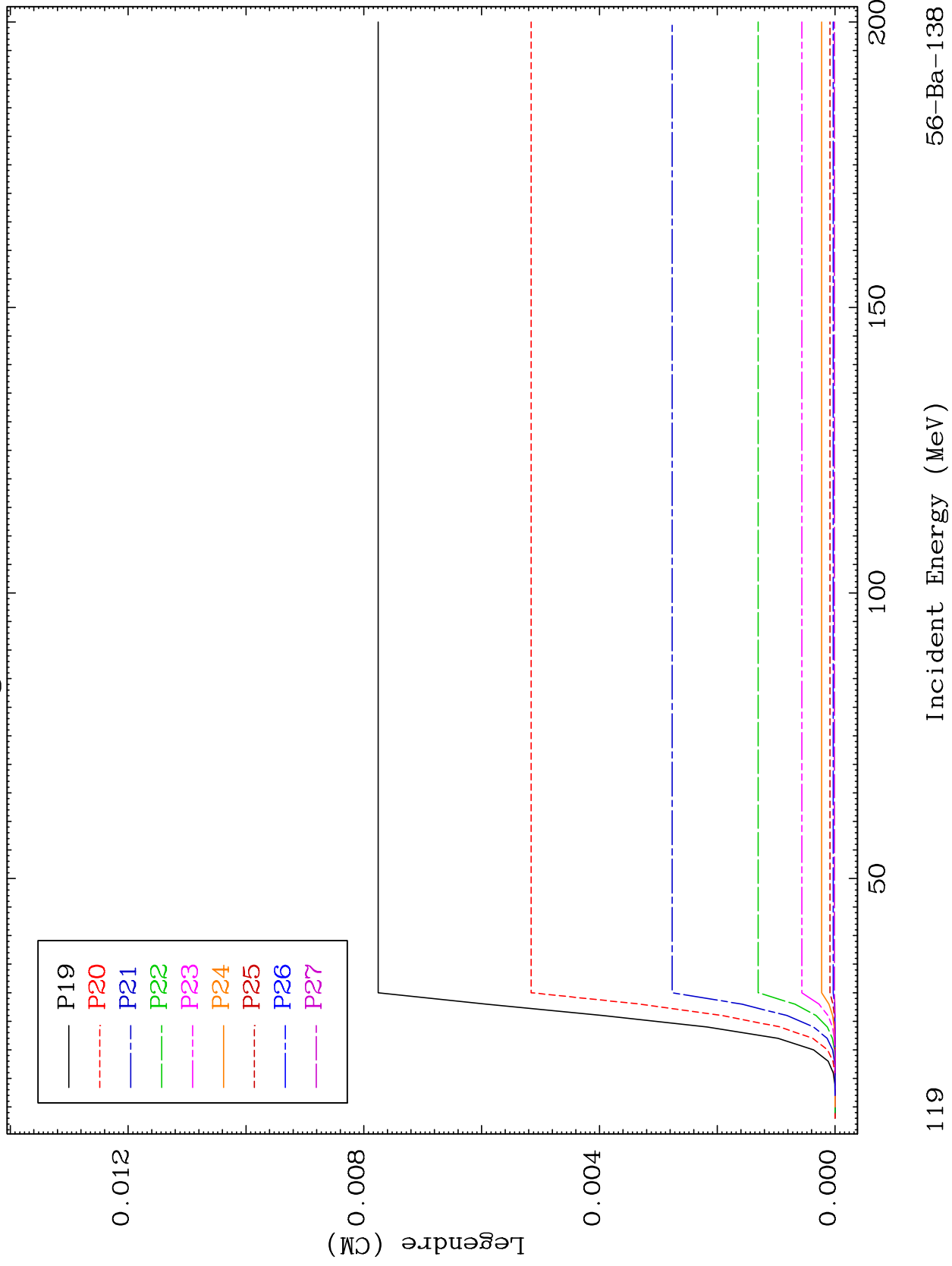
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



119

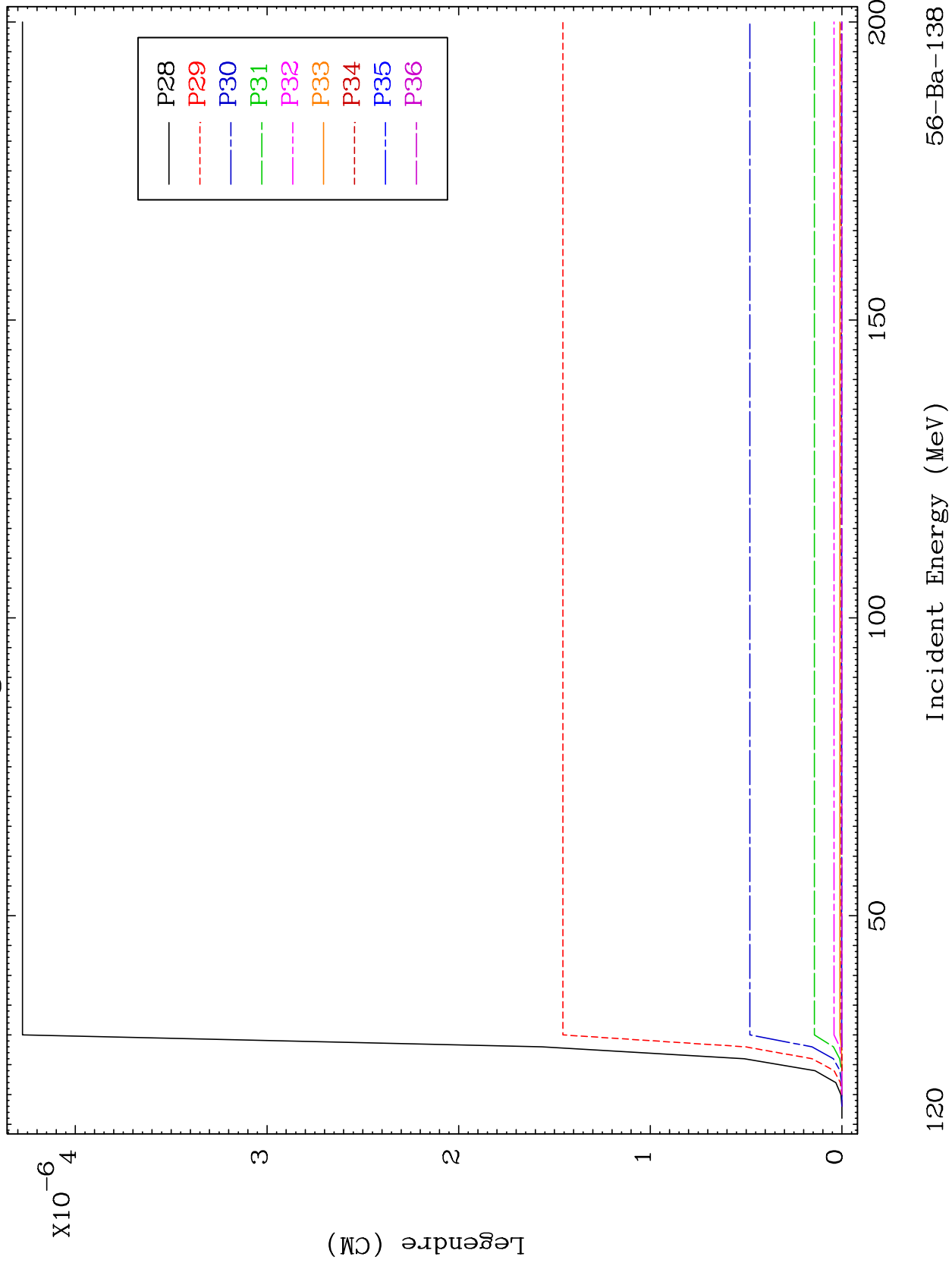
56-Ba-138

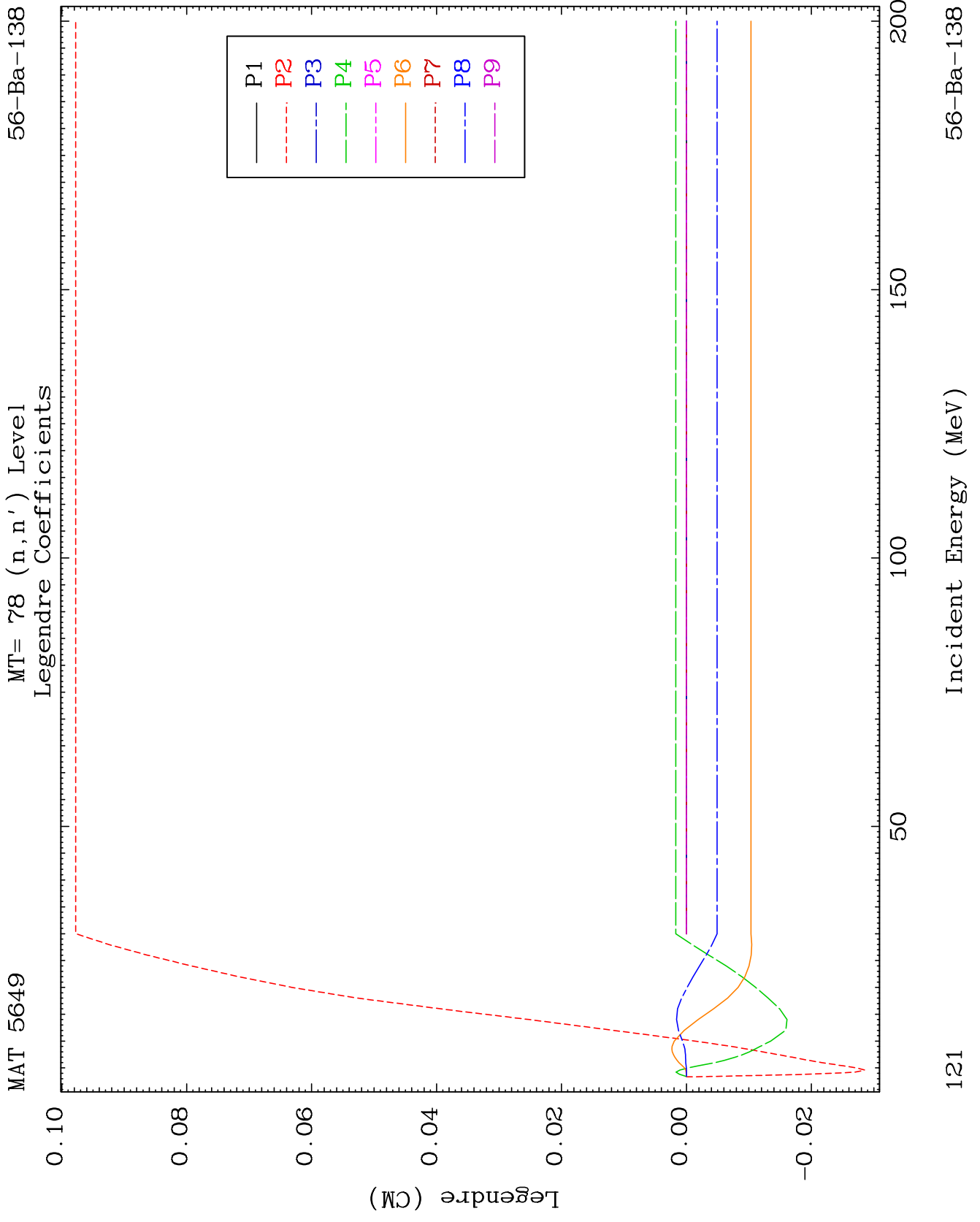


MAT 5649

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

56-Ba-138

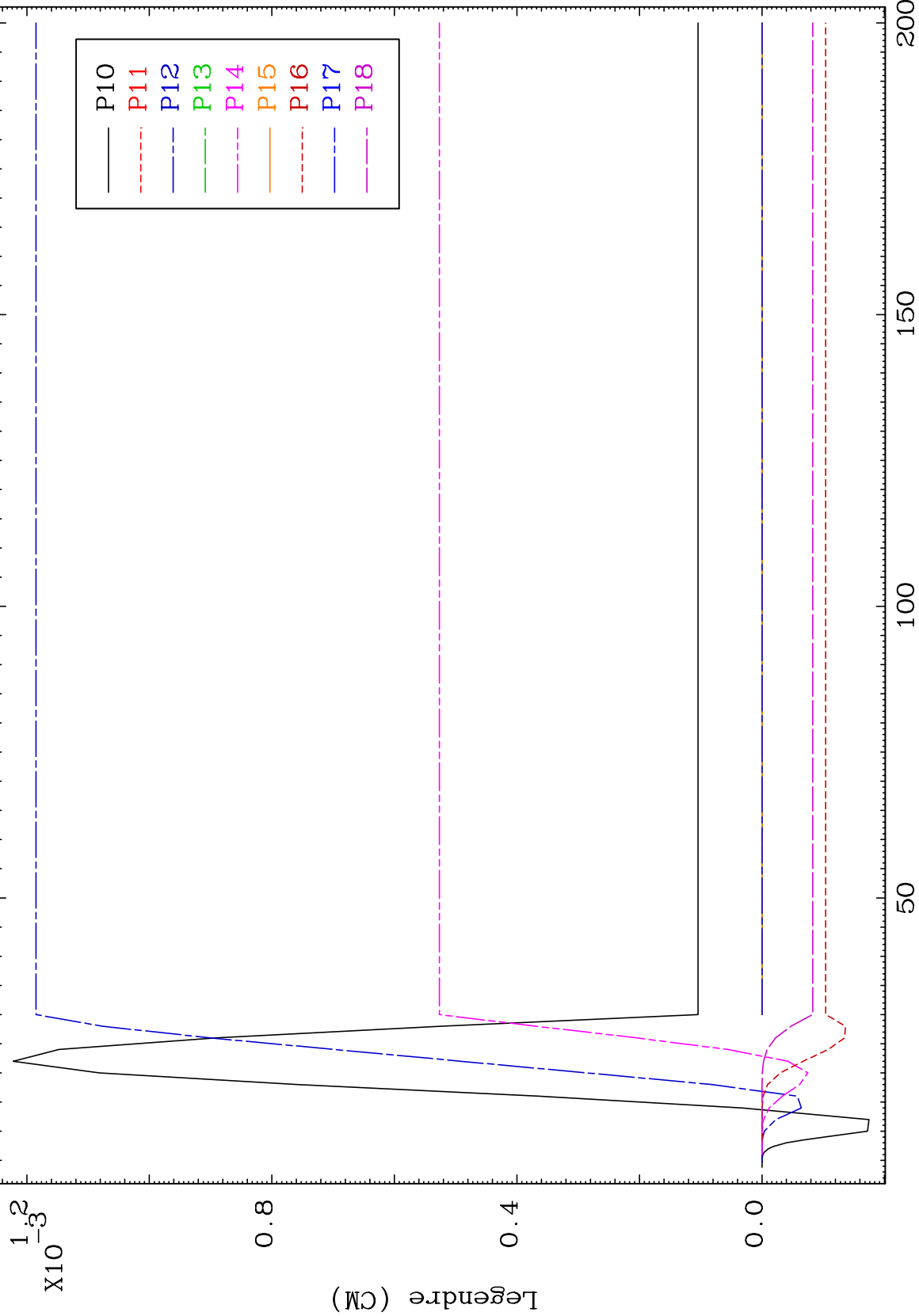




MAT 5649

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

56-Ba-138



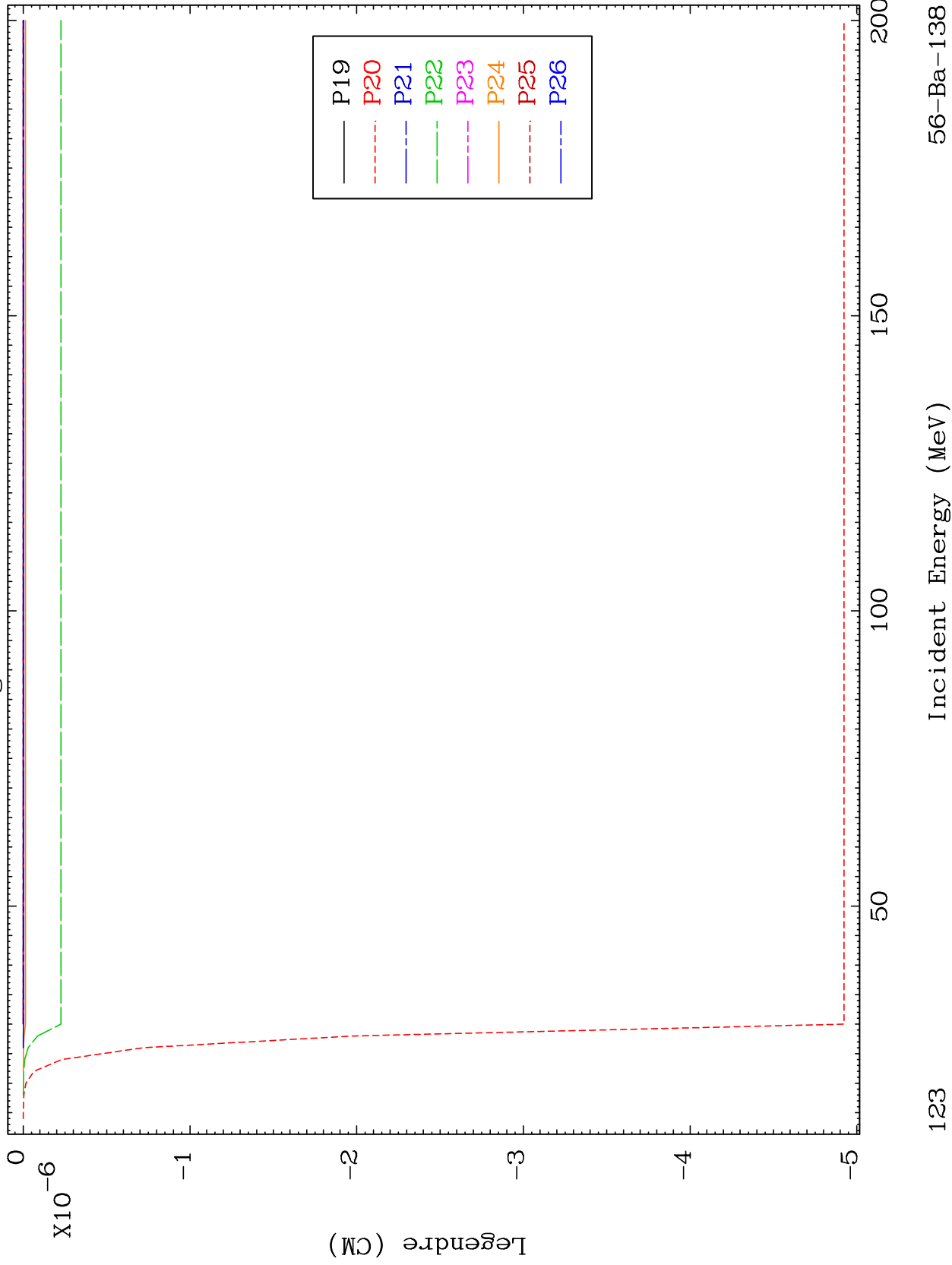
122

56-Ba-138

MAT 5649

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

56-Ba-138



123

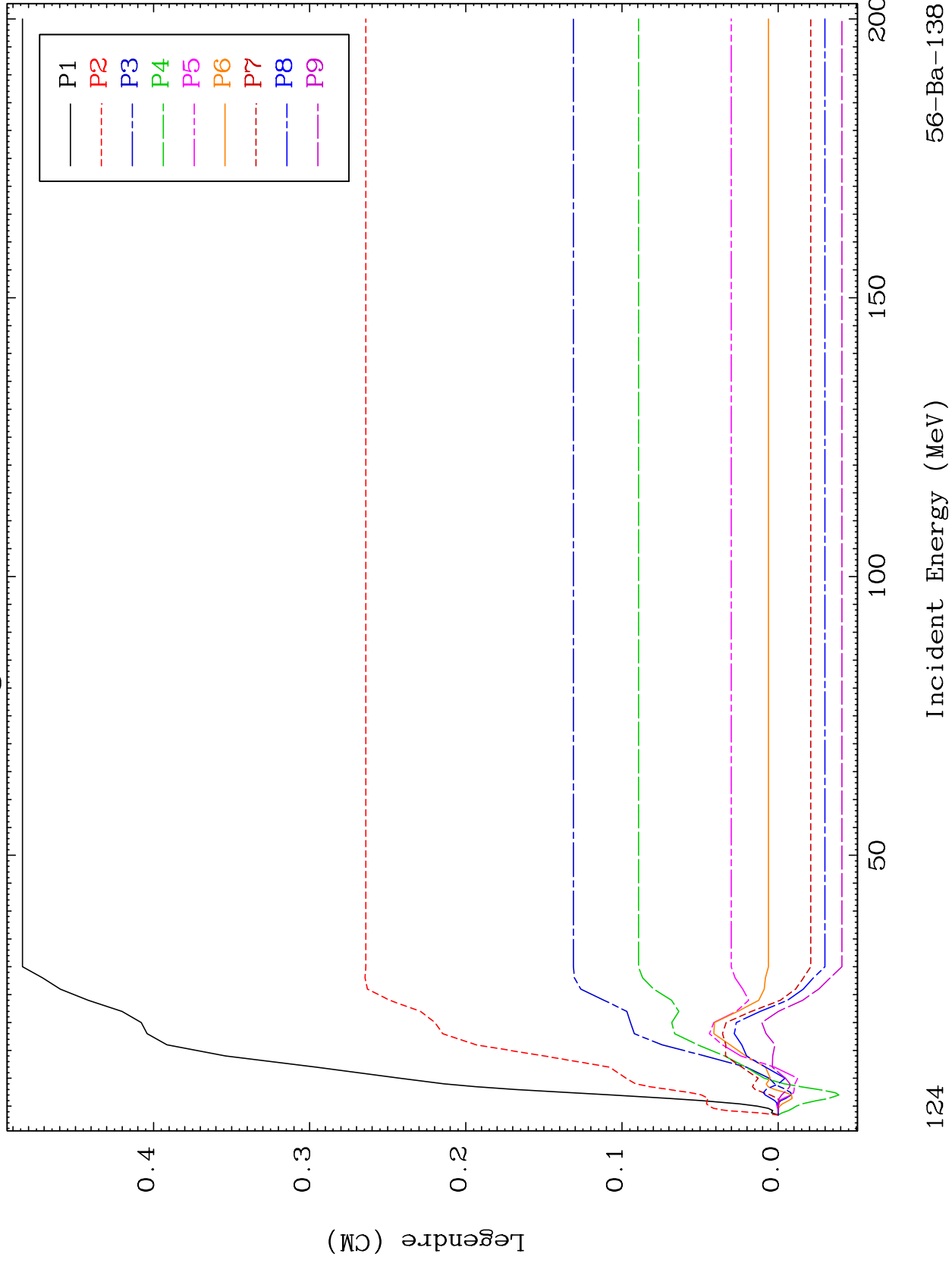
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



124

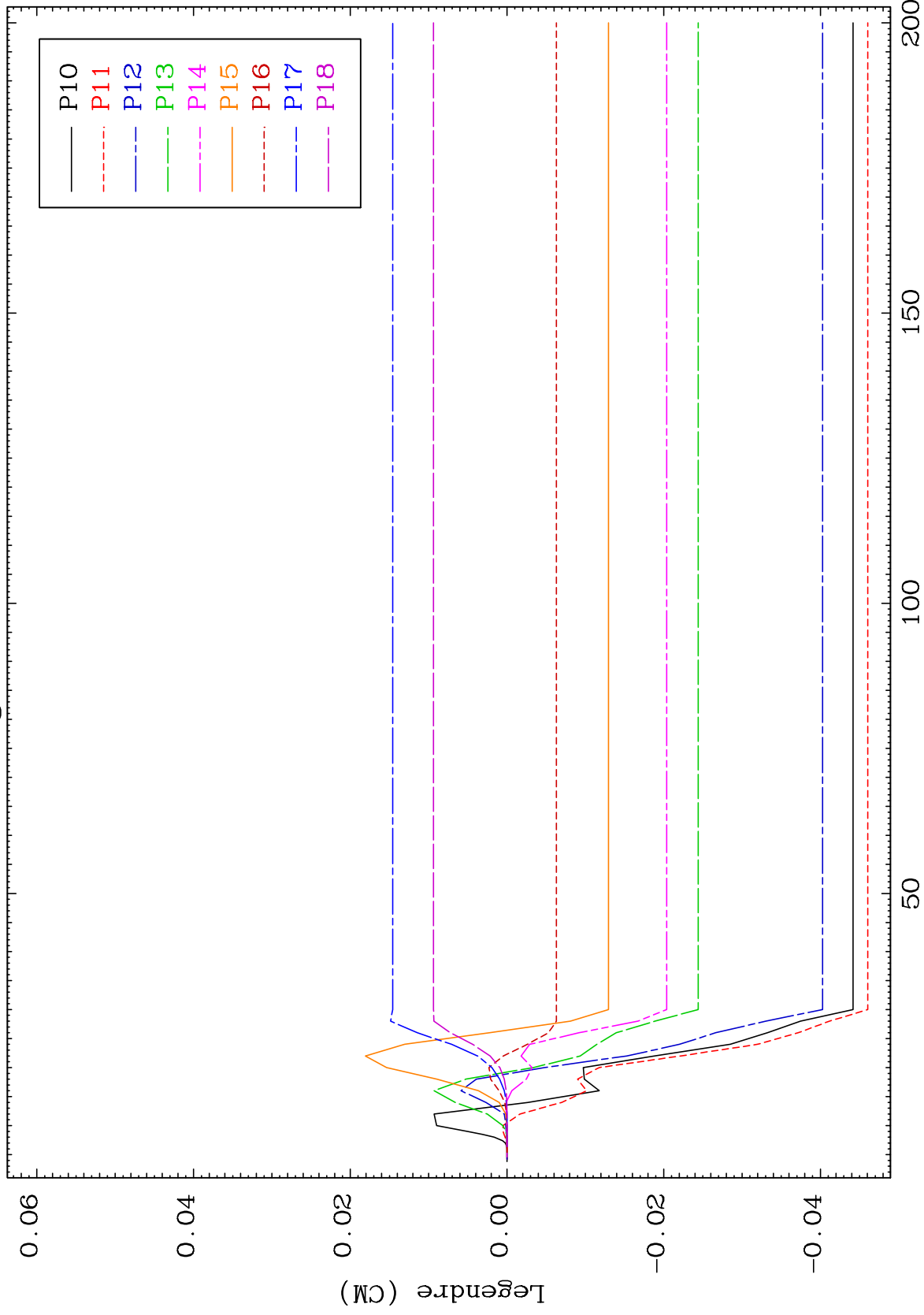
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

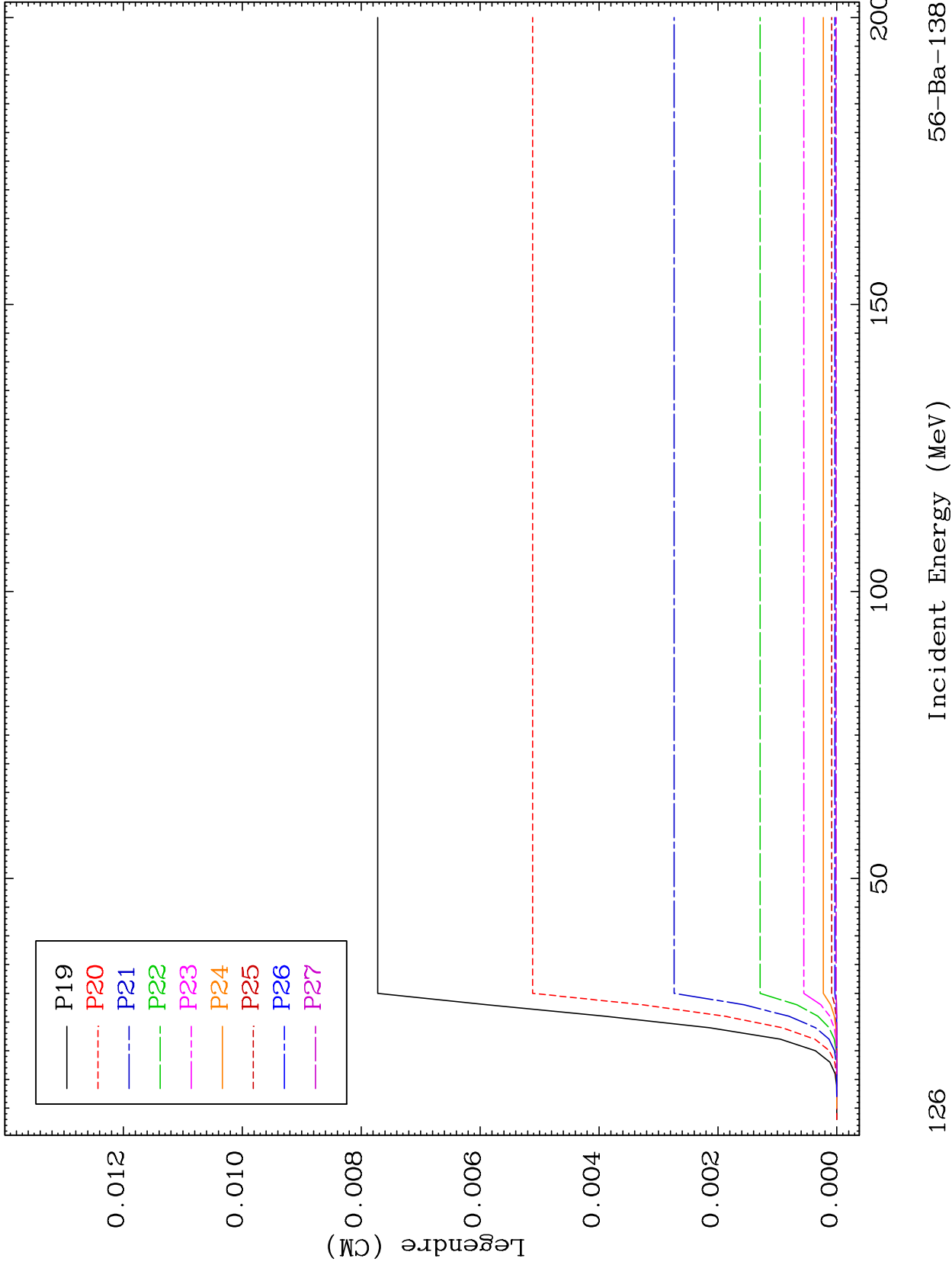
56-Ba-138



125

Incident Energy (MeV)

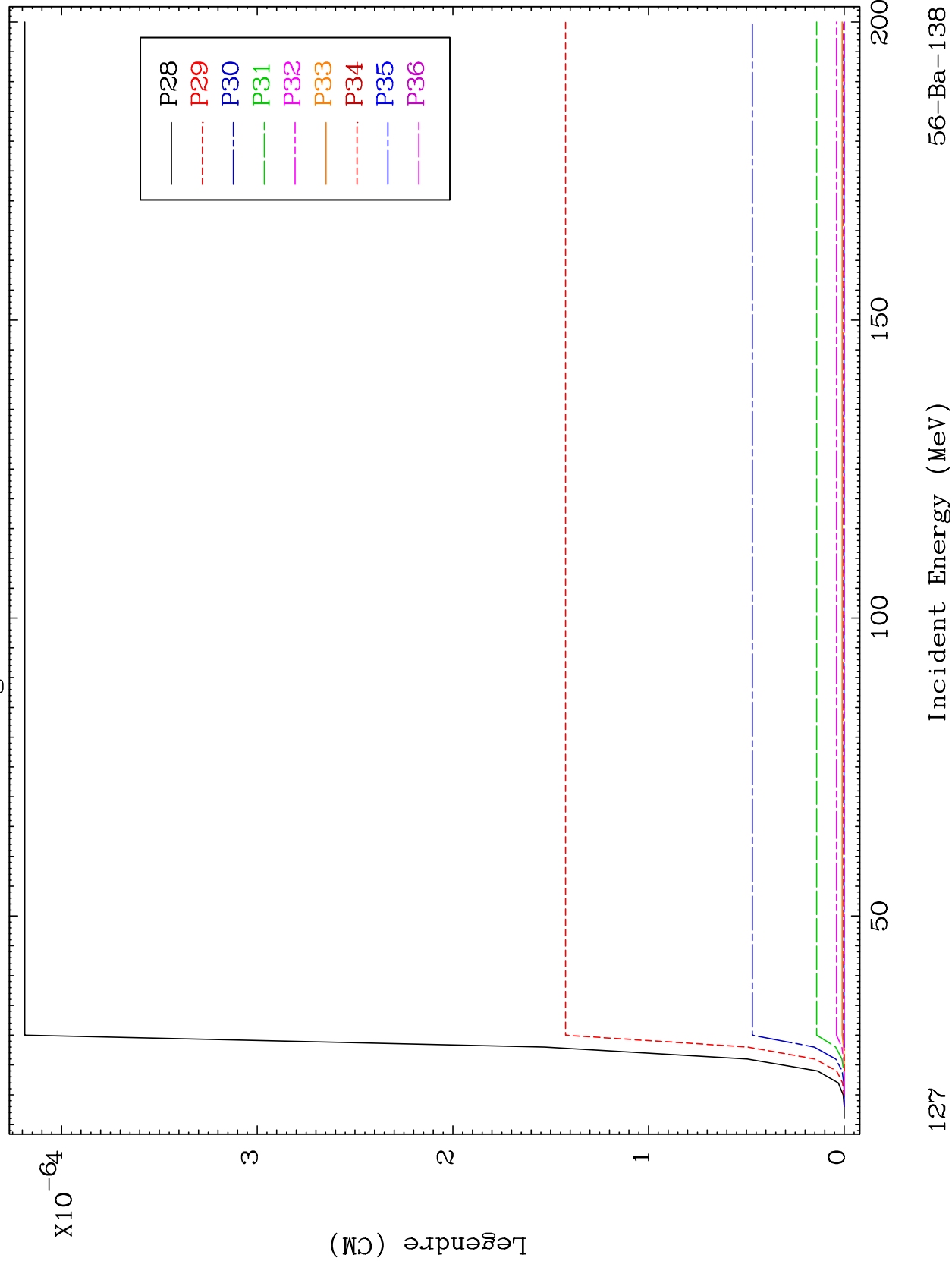
56-Ba-138



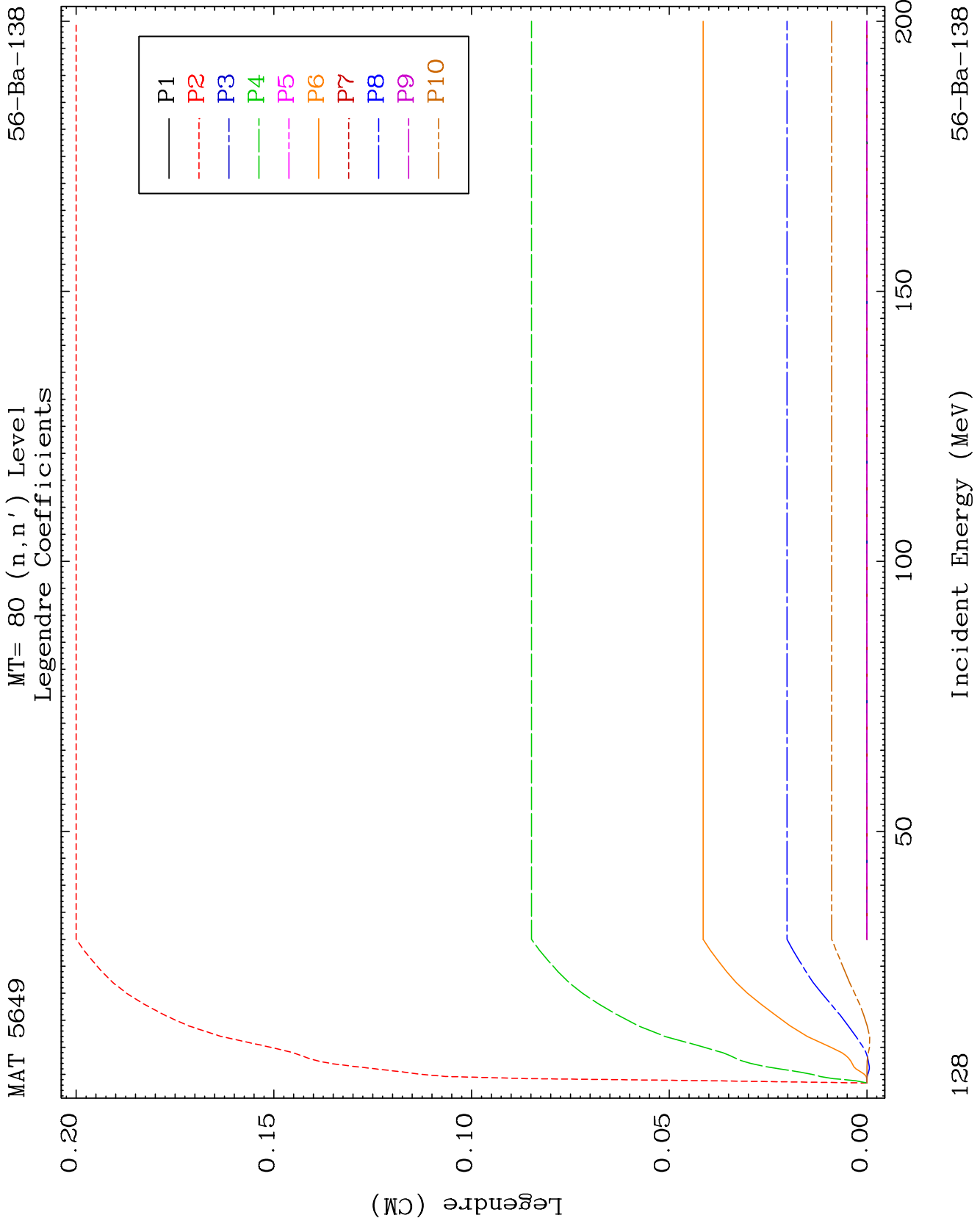
MAT 5649

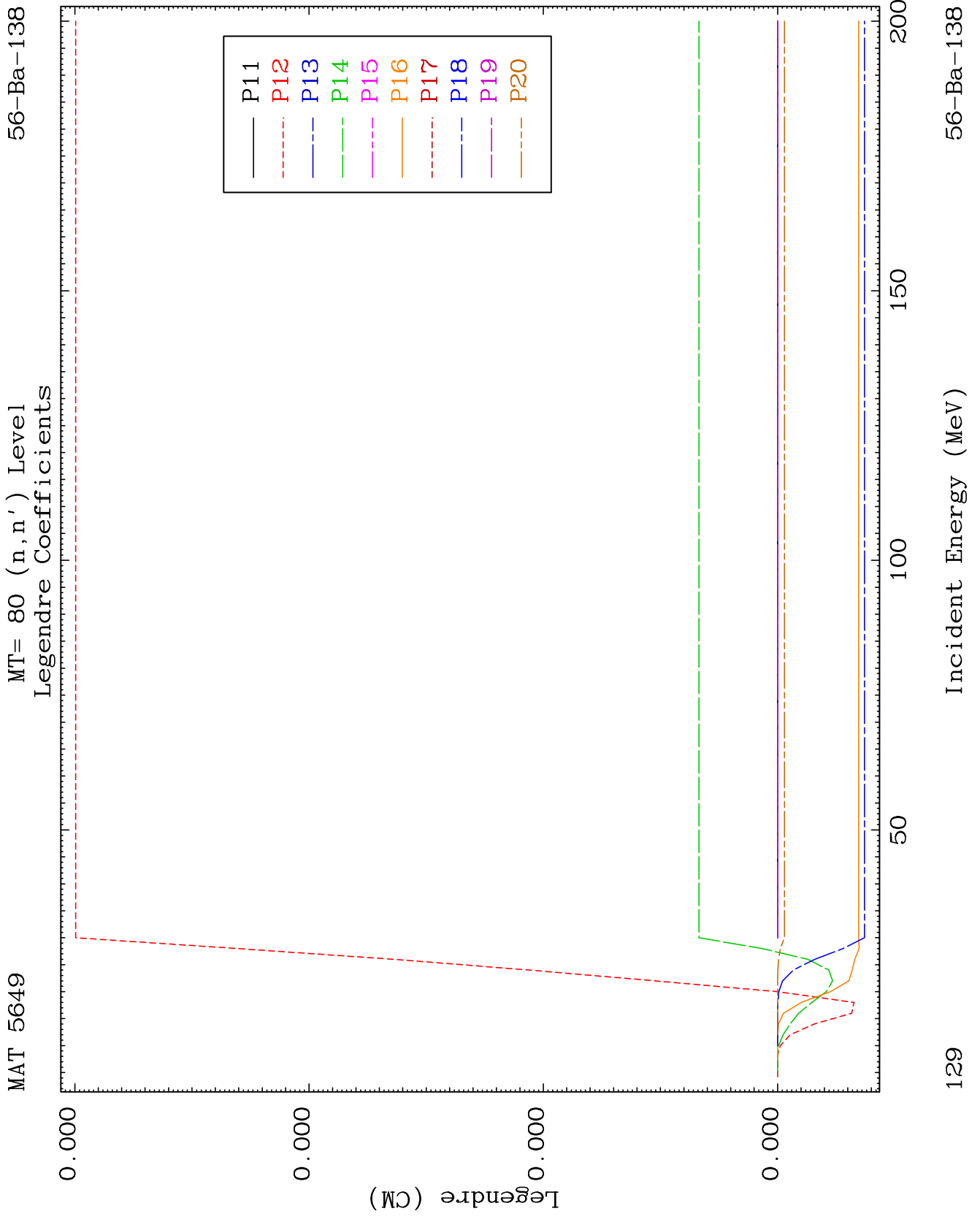
MT= 79 (n,n') Level  
Legendre Coefficients

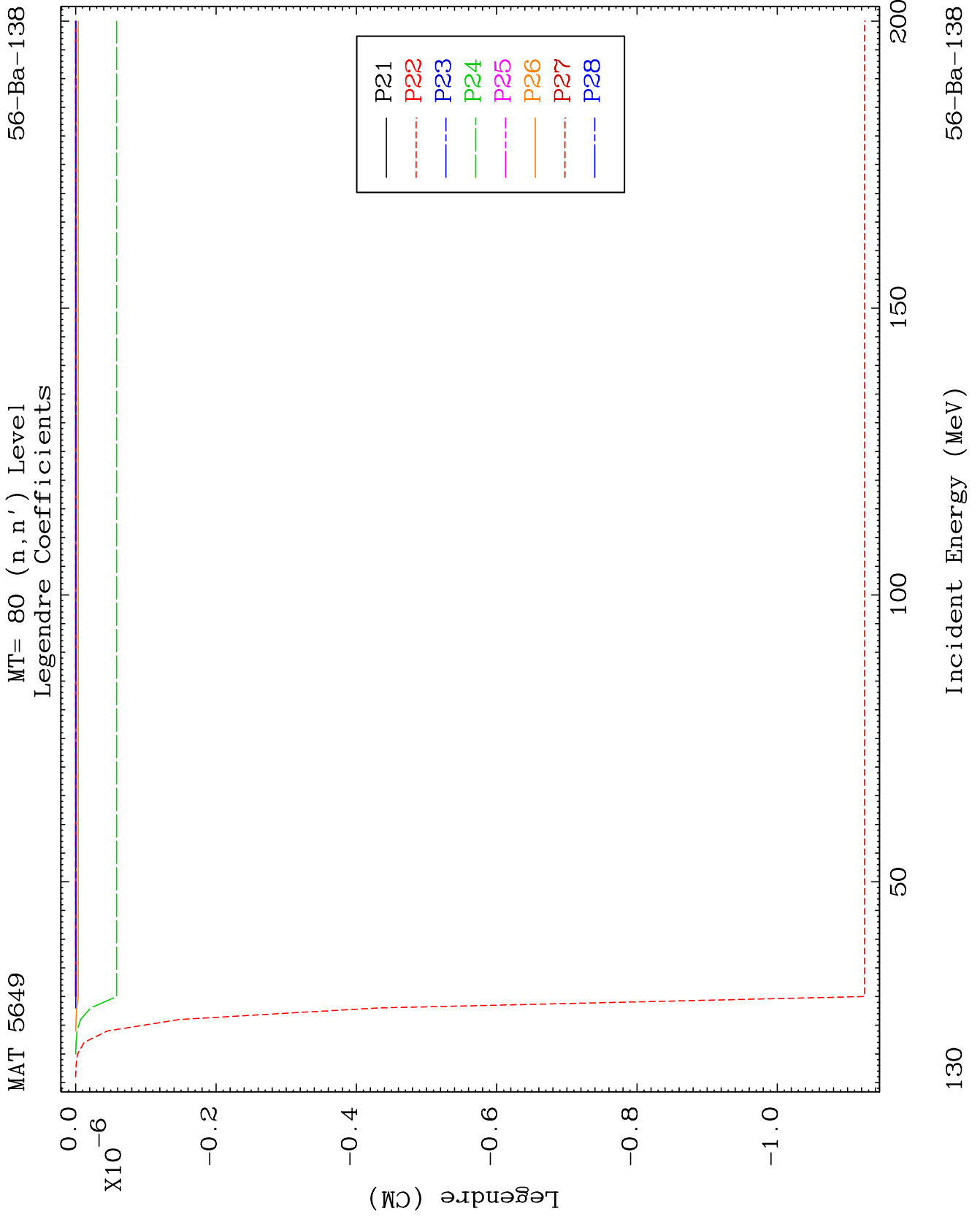
56-Ba-138







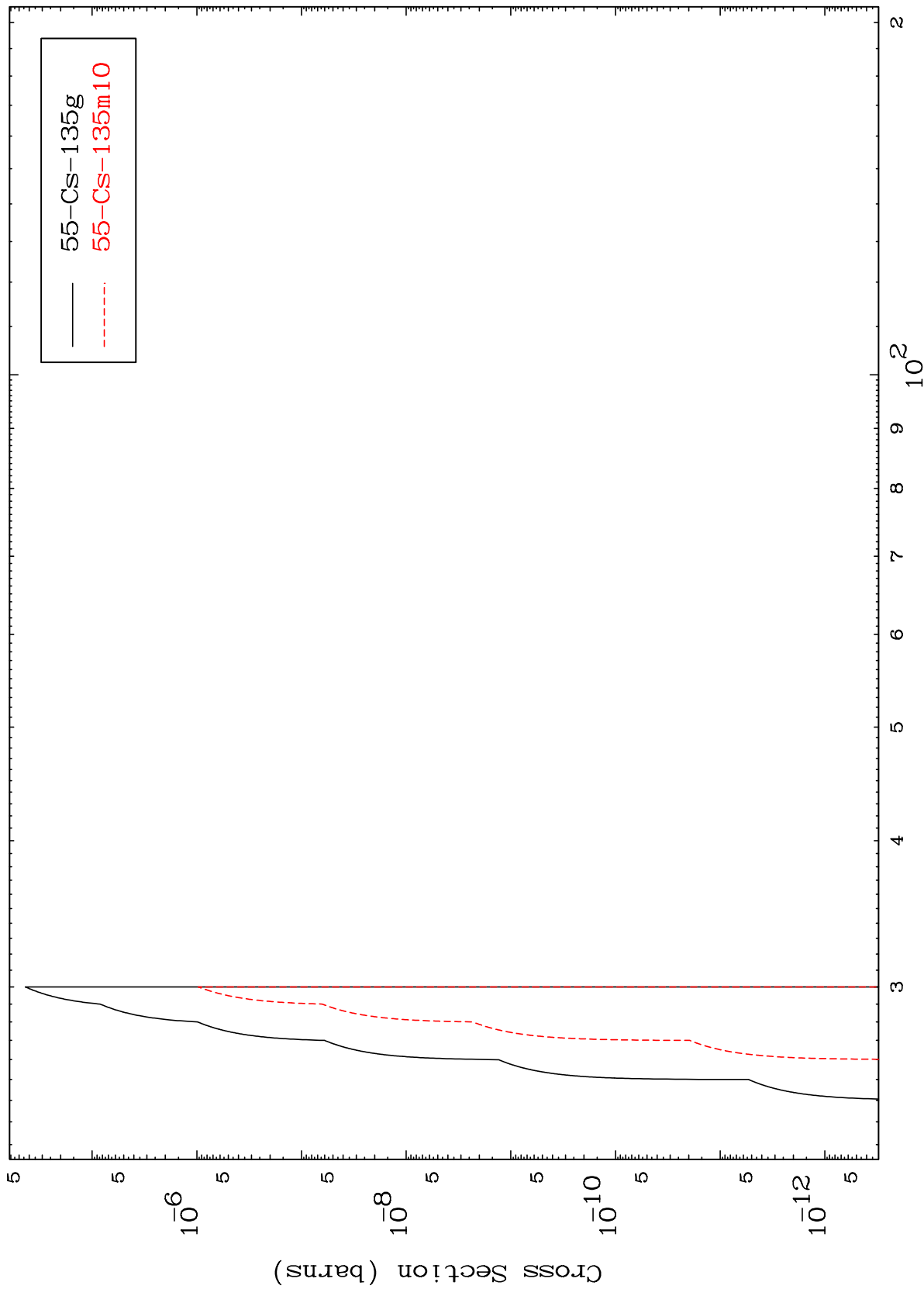




MAT 5649

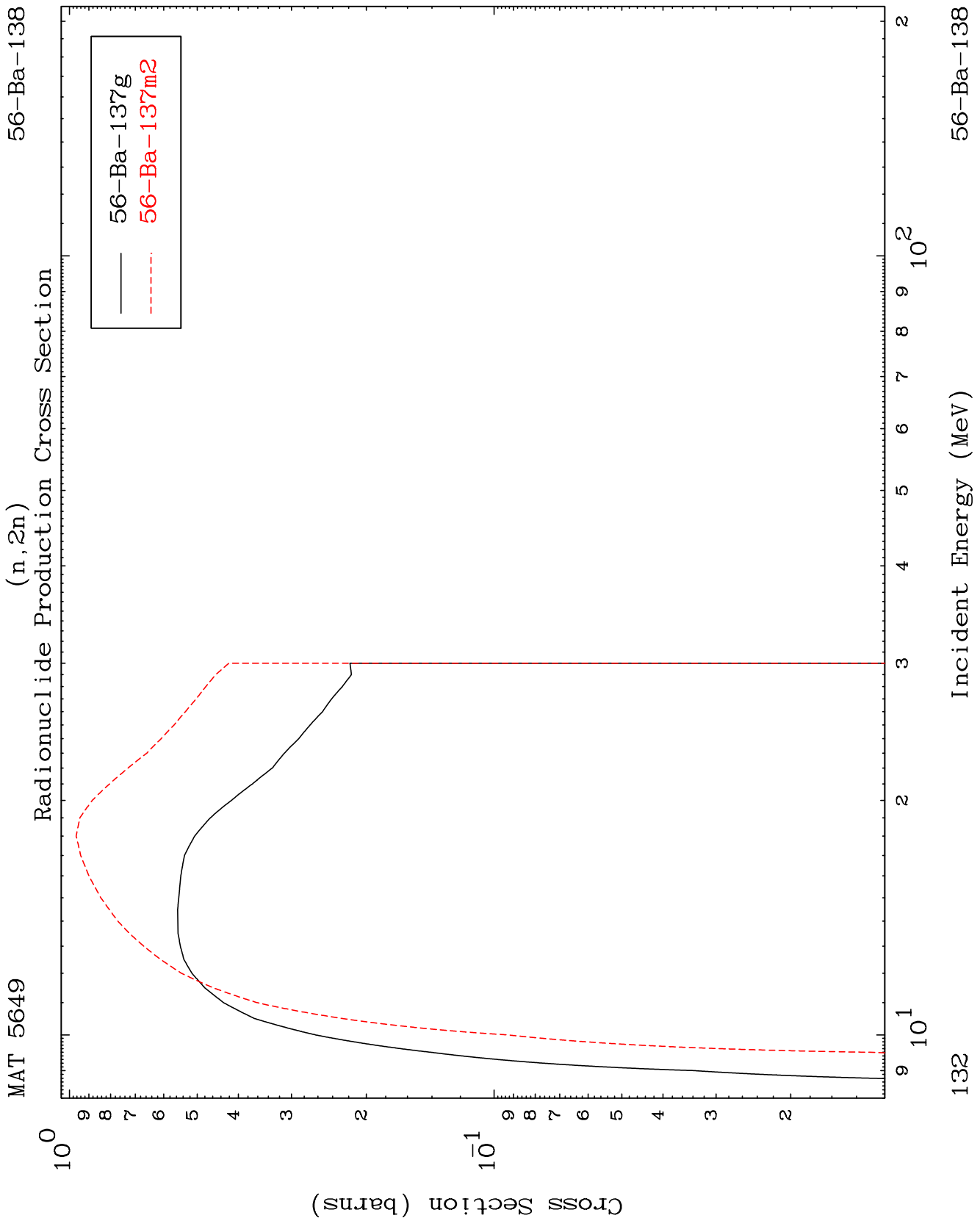
56-Ba-138

(n,2n) d  
Radionuclide Production Cross Section



131

56-Ba-138

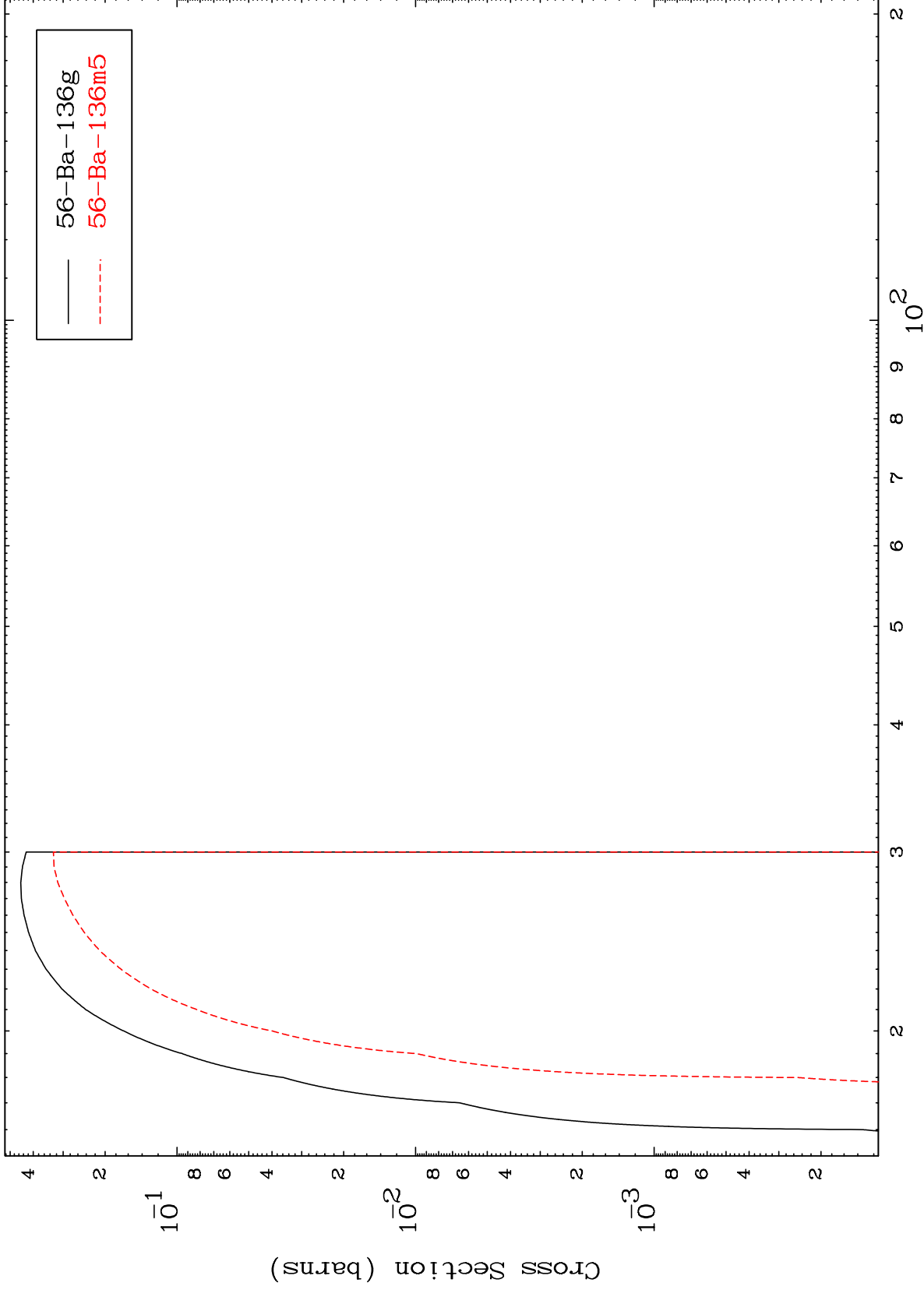


MAT 5649

(n,3n)

56-Ba-138

Radionuclide Production Cross Section



133

Incident Energy (MeV)

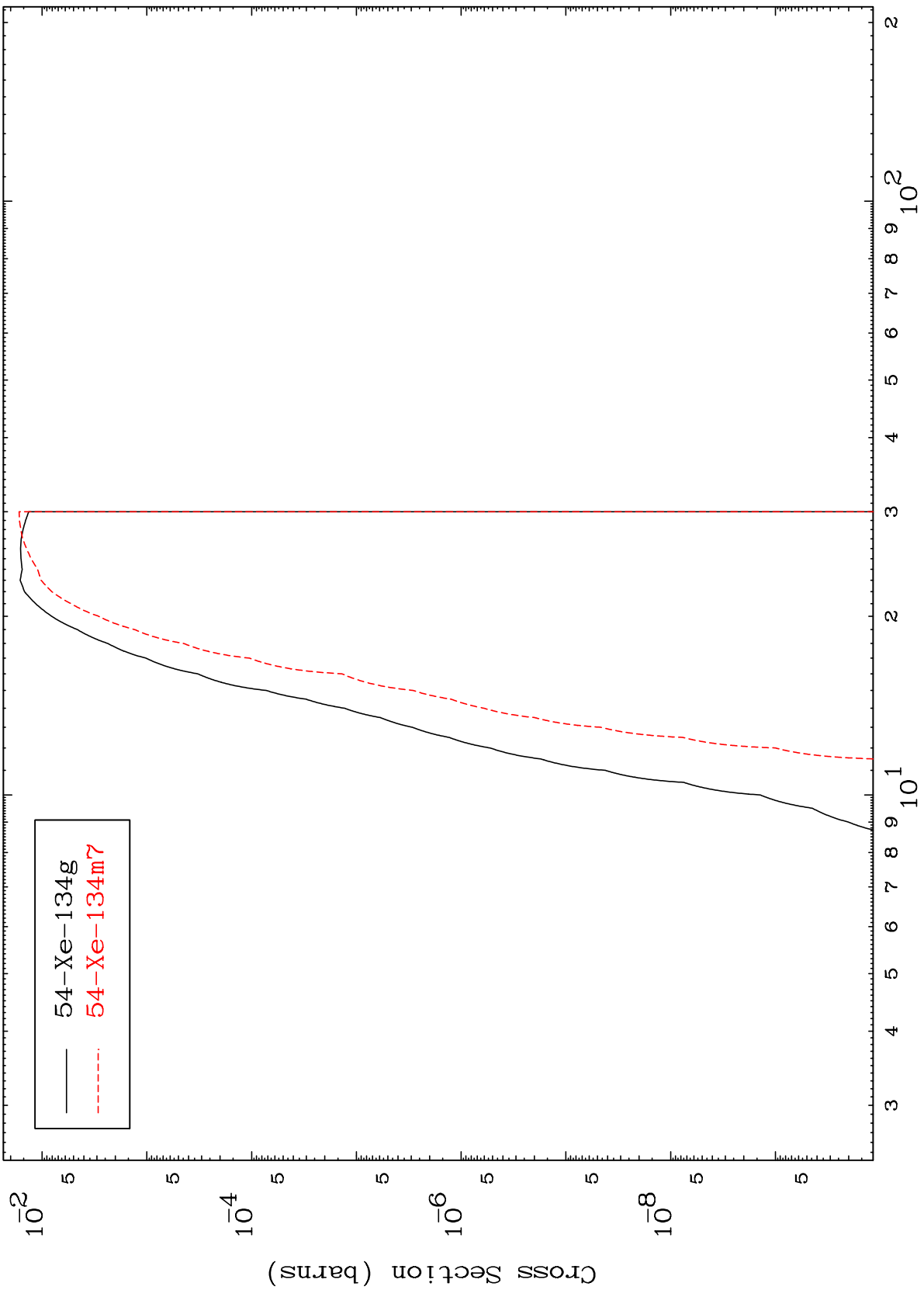
56-Ba-138

MAT 5649

56-Ba-138

(n,n')  $\alpha$

Radionuclide Production Cross Section



54-Xe-134g  
54-Xe-134m7

134

Incident Energy (MeV)

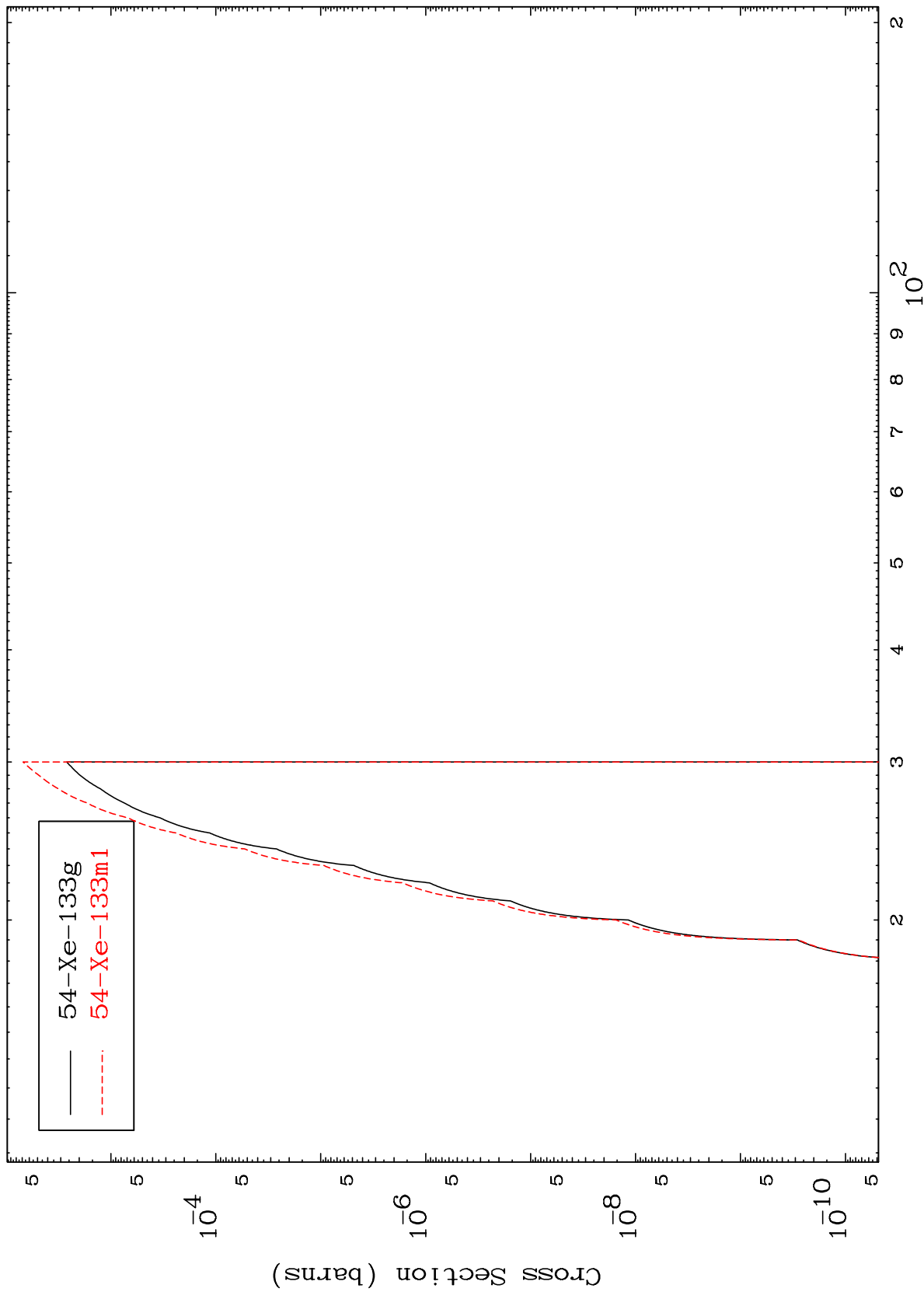
56-Ba-138

MAT 5649

(n,2n)  $\alpha$

56-Ba-138

Radionuclide Production Cross Section

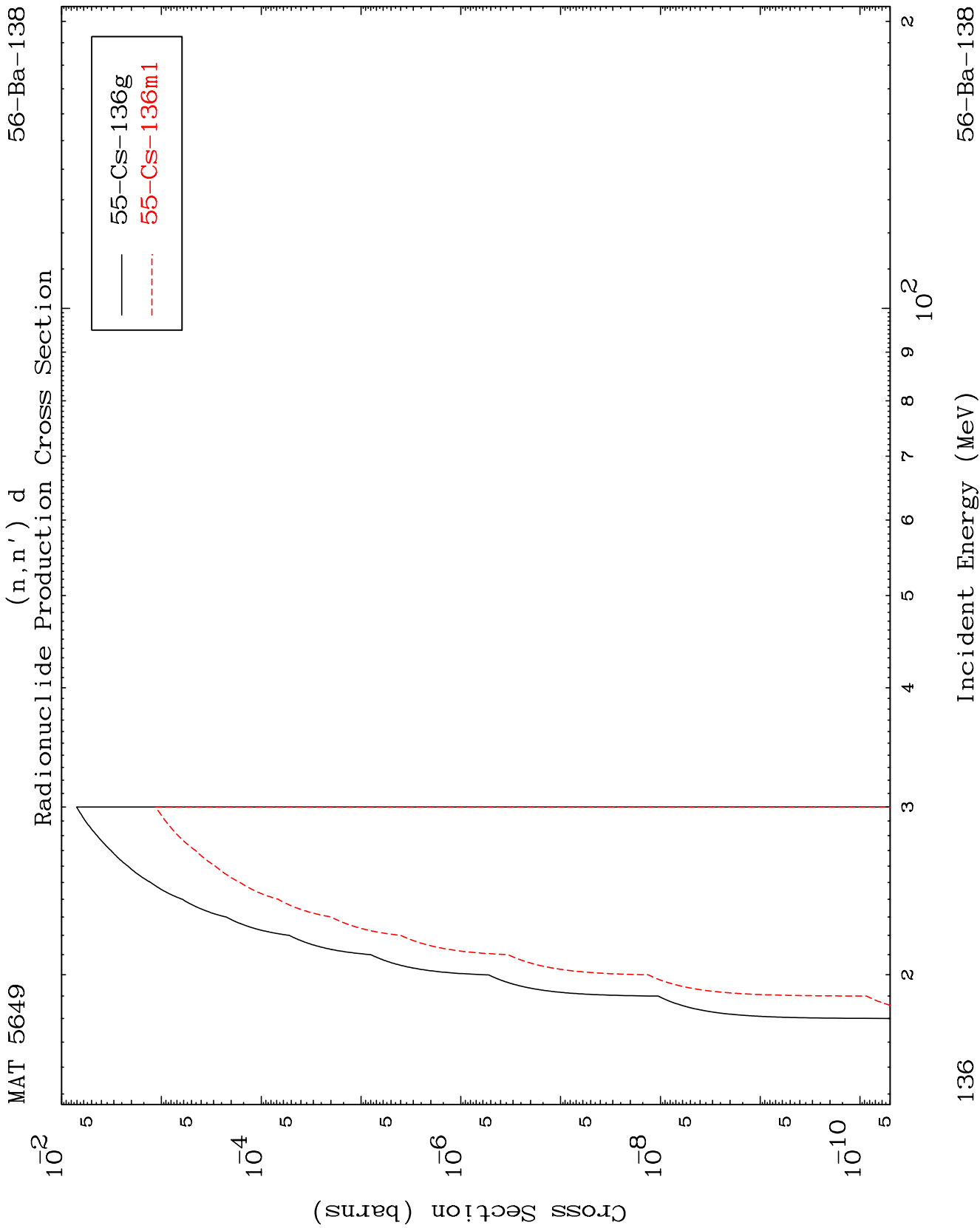


135

Incident Energy (MeV)

56-Ba-138



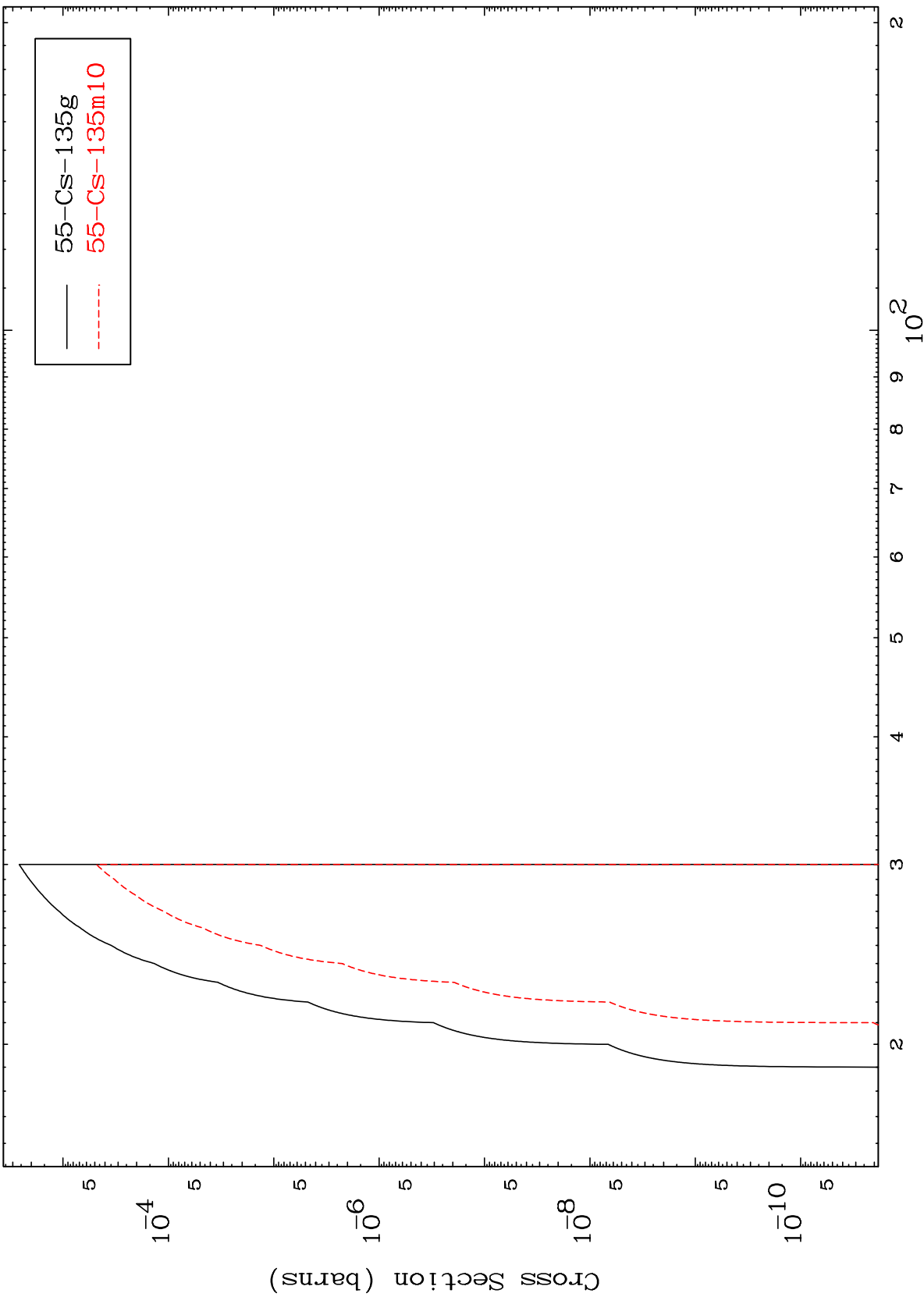


MAT 5649

(n,n') t

56-Ba-138

Radionuclide Production Cross Section



137

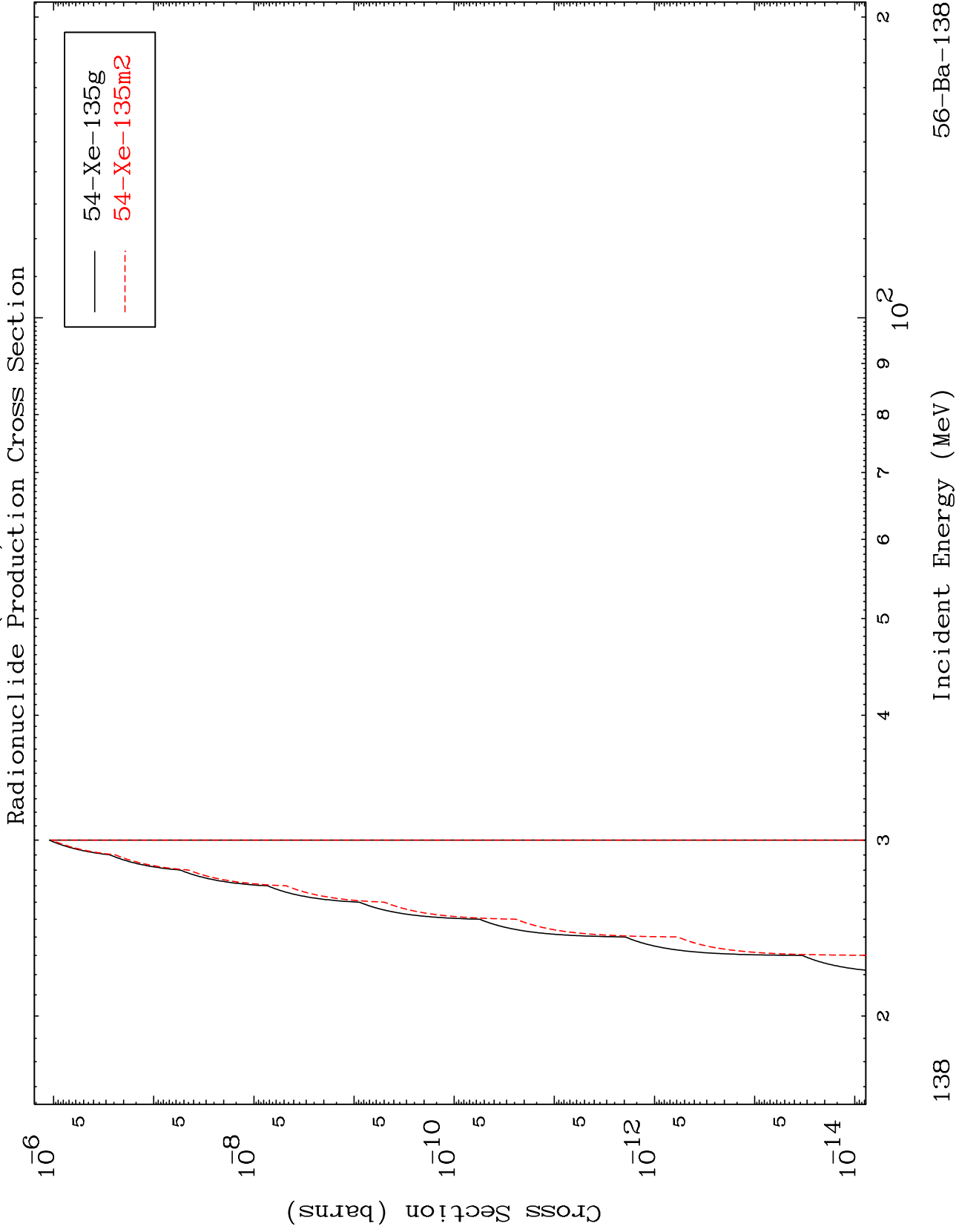
Incident Energy (MeV)

56-Ba-138

MAT 5649

(n,n') He-3

56-Ba-138



138

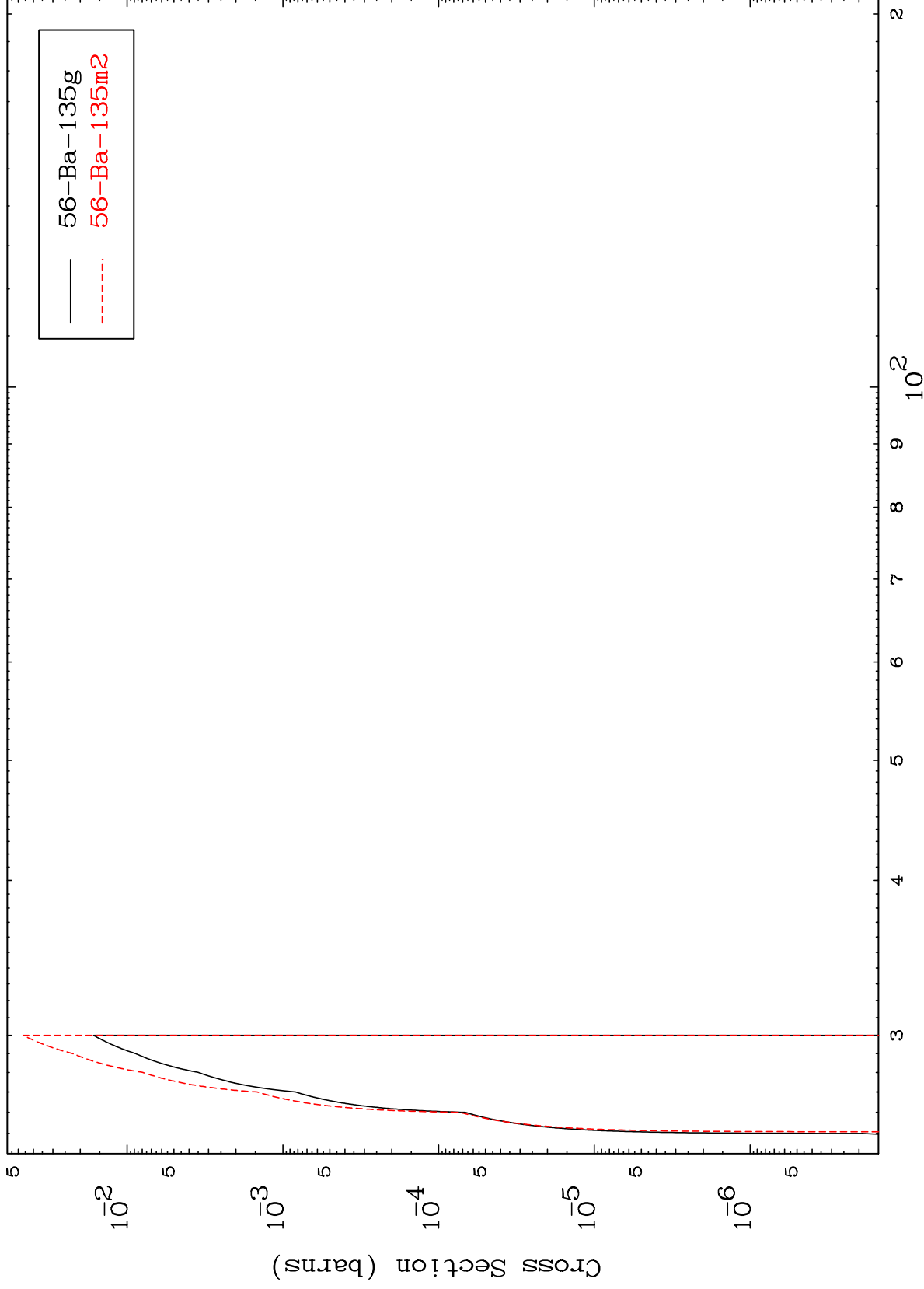
56-Ba-138

MAT 5649

(n,4n)

56-Ba-138

Radionuclide Production Cross Section



139

Incident Energy (MeV)

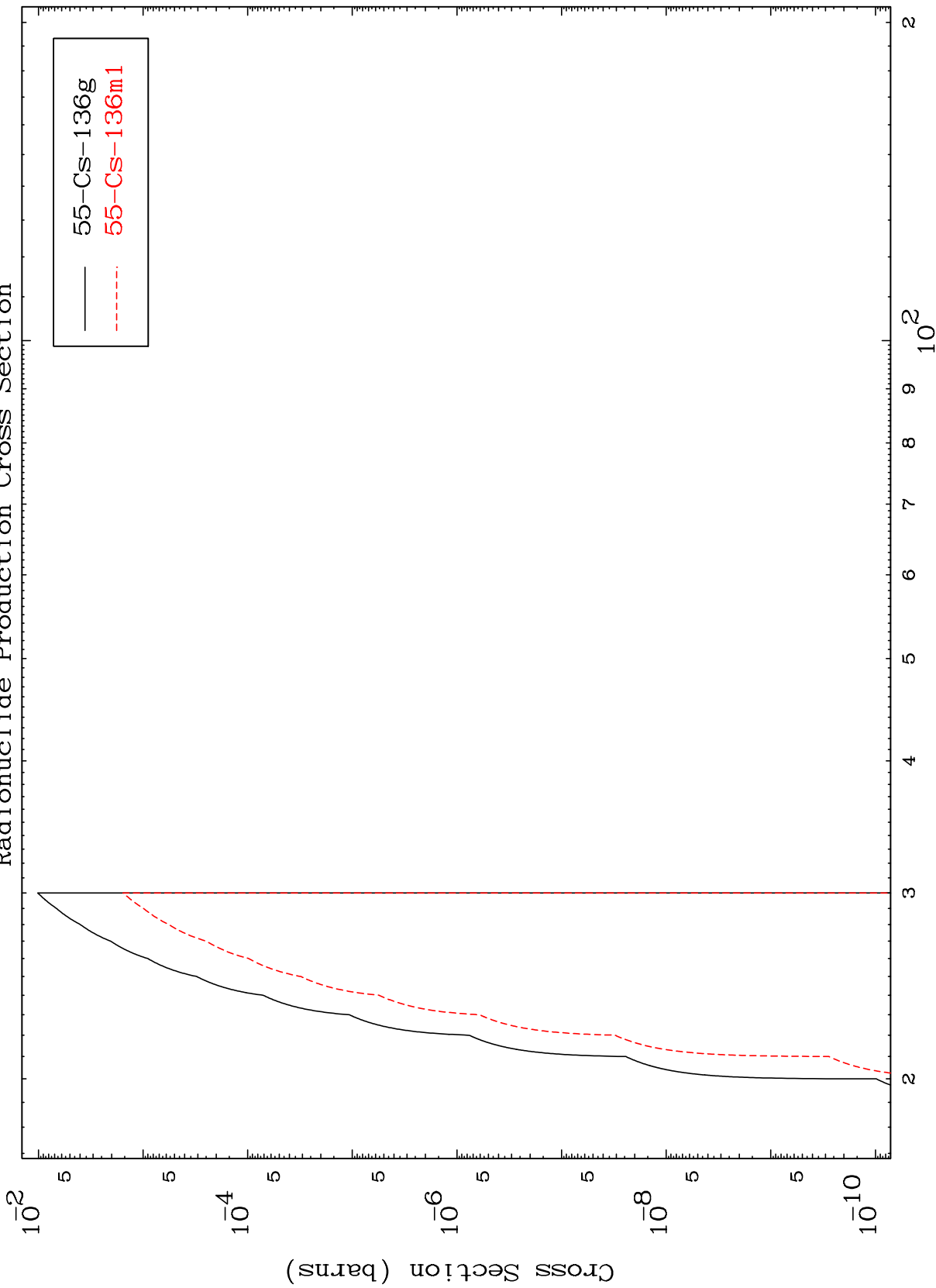
56-Ba-138

MAT 5649

(n,2n) p

56-Ba-138

Radionuclide Production Cross Section



55-Cs-136g  
55-Cs-136m1

140

Incident Energy (MeV)

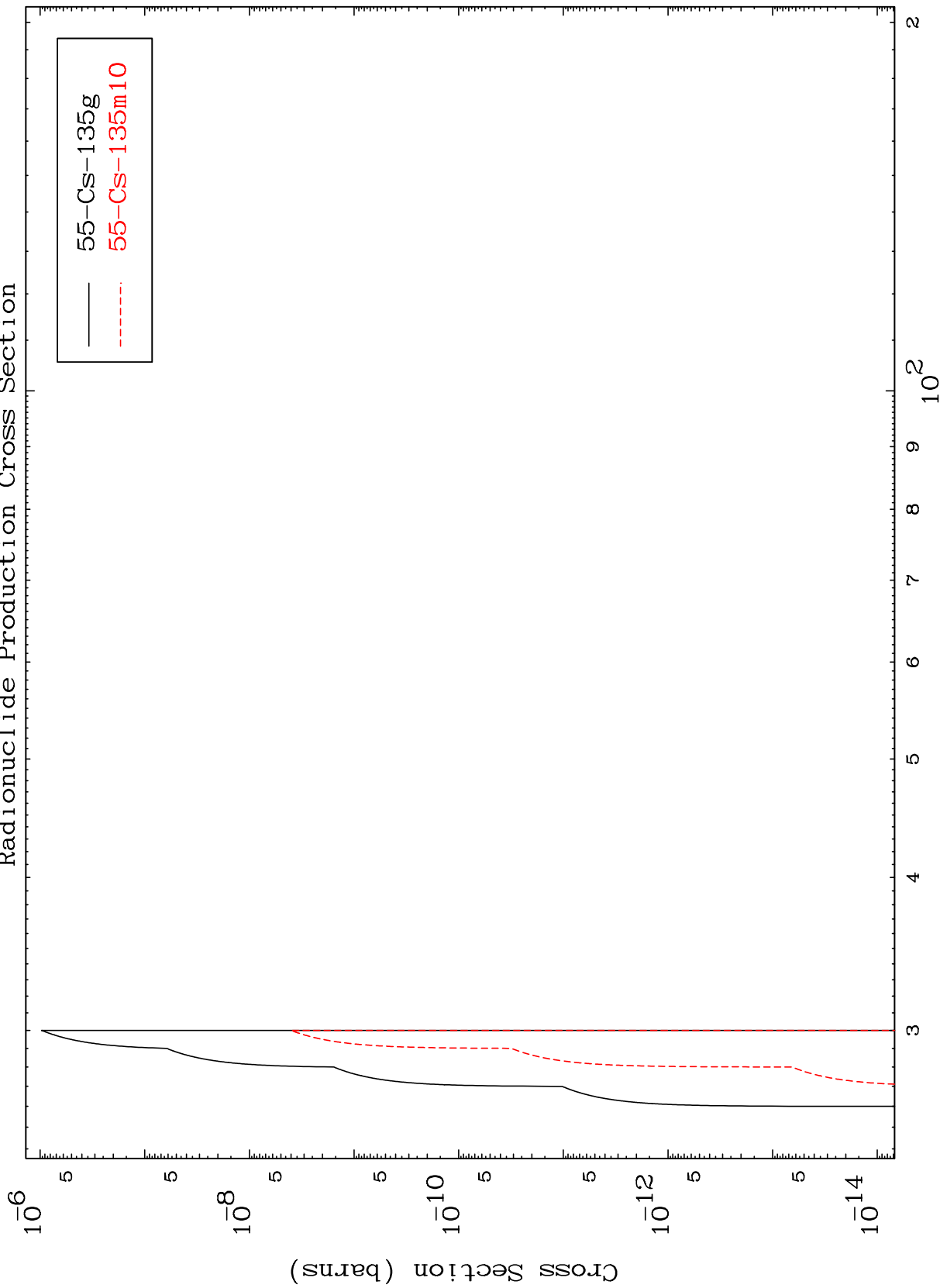
56-Ba-138

MAT 5649

(n,3n) p

56-Ba-138

Radionuclide Production Cross Section



141

Incident Energy (MeV)

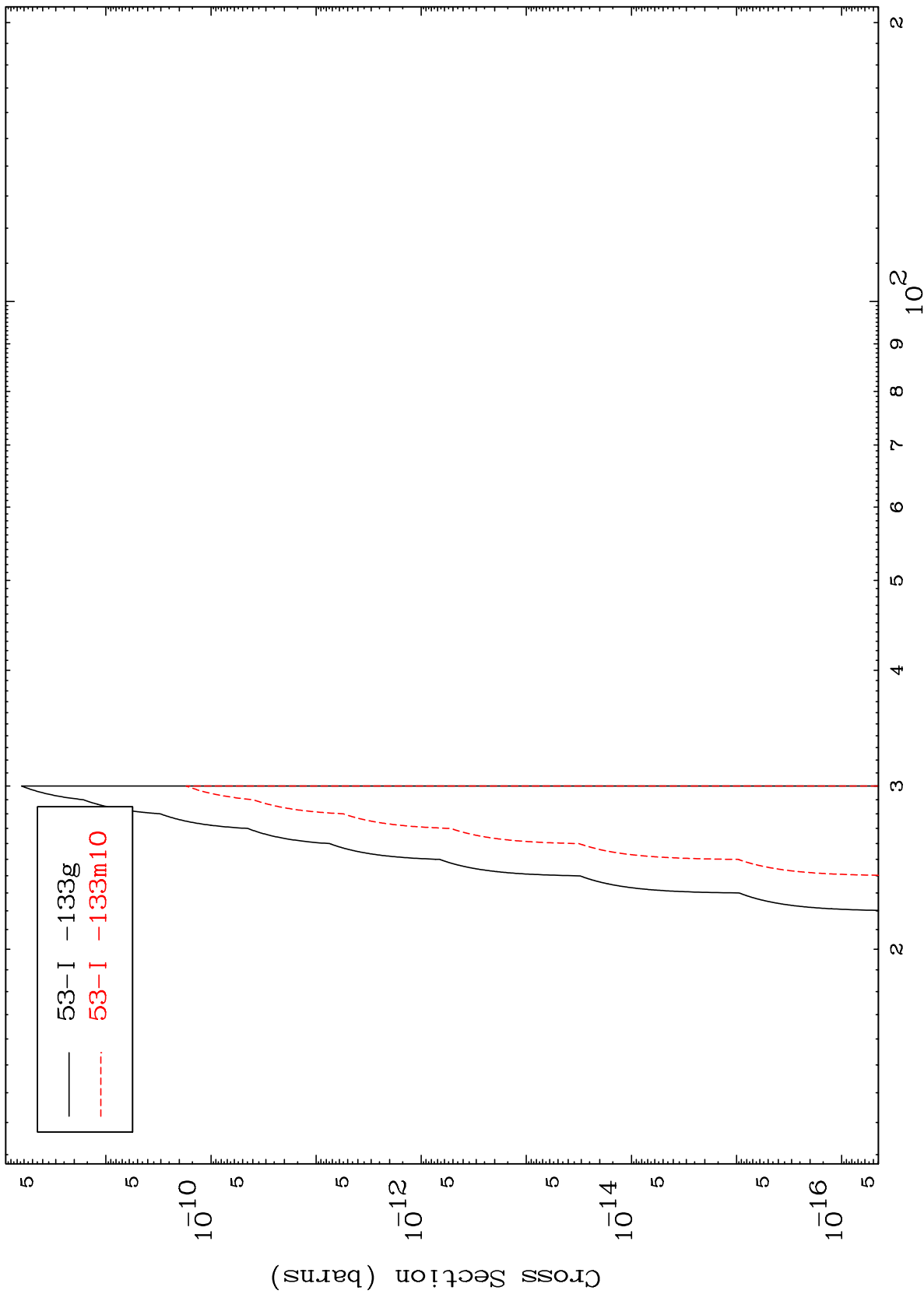
56-Ba-138

MAT 5649

(n,n') p  $\alpha$

56-Ba-138

Radionuclide Production Cross Section



142

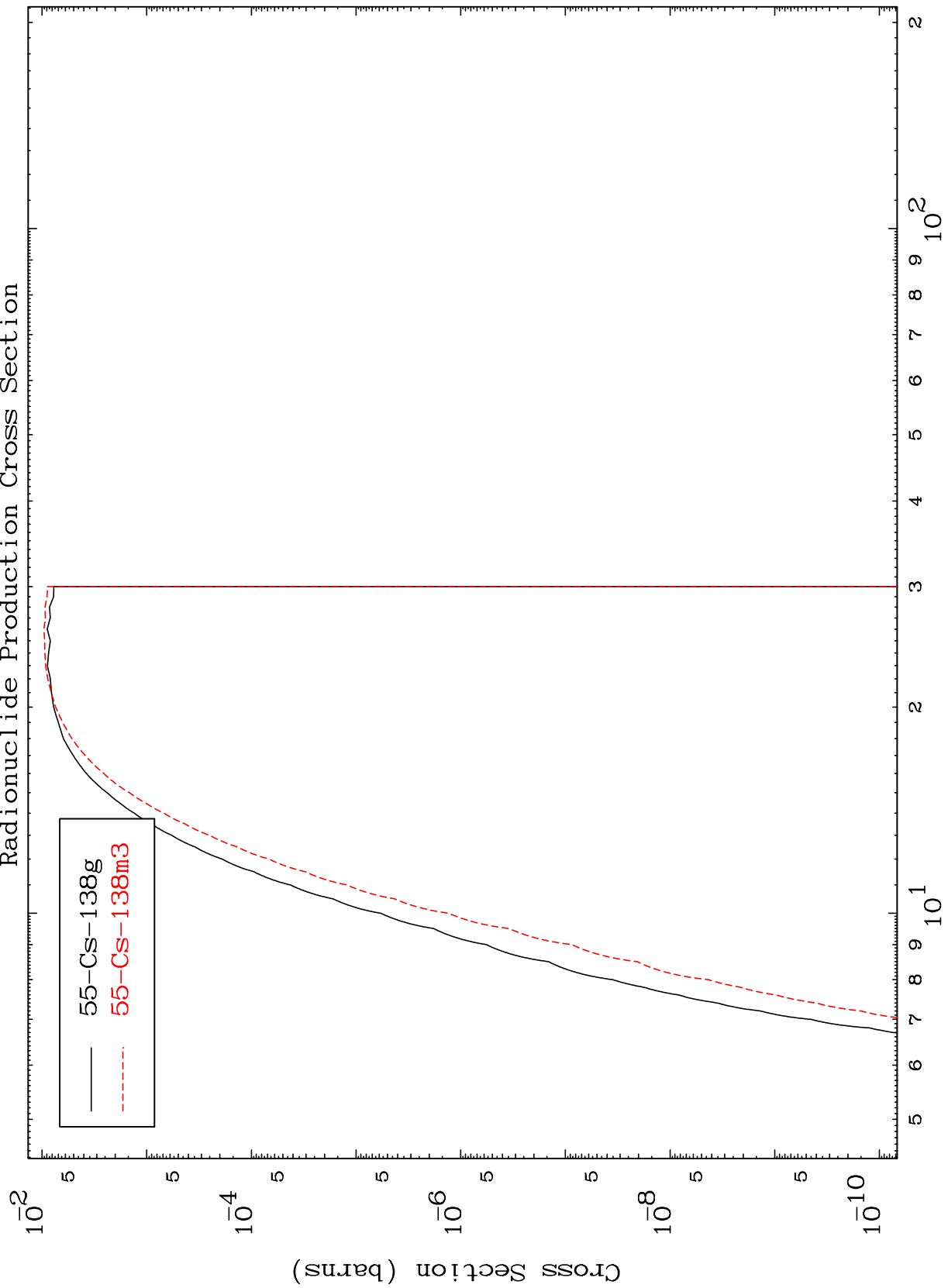
Incident Energy (MeV)

56-Ba-138

MAT 5649

56-Ba-138

Radionuclide Production Cross Section (n,p)



55-Cs-138g  
55-Cs-138m3

56-Ba-138

Incident Energy (MeV)

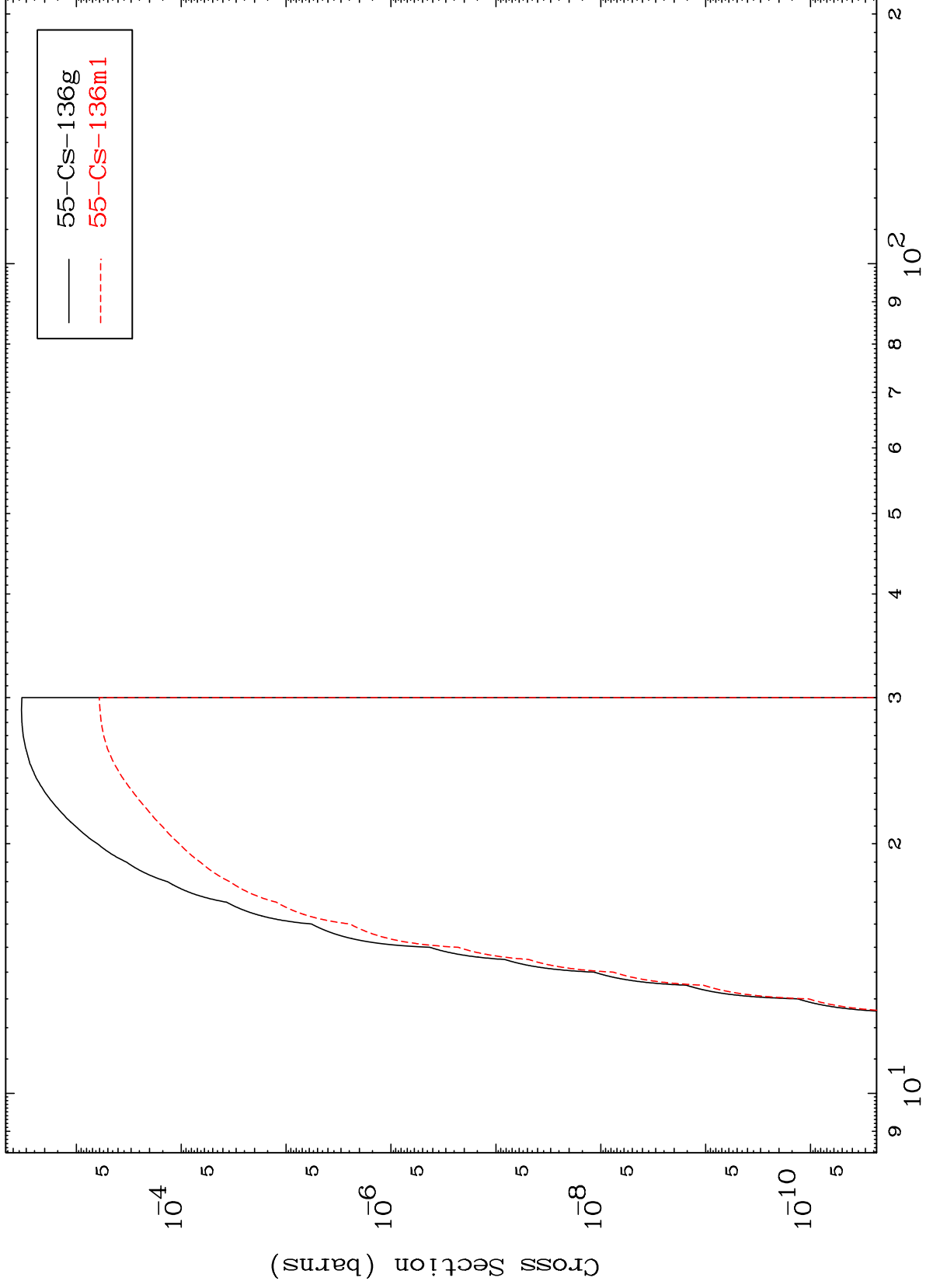
143



MAT 5649

56-Ba-138

(n,t)  
Radionuclide Production Cross Section



144

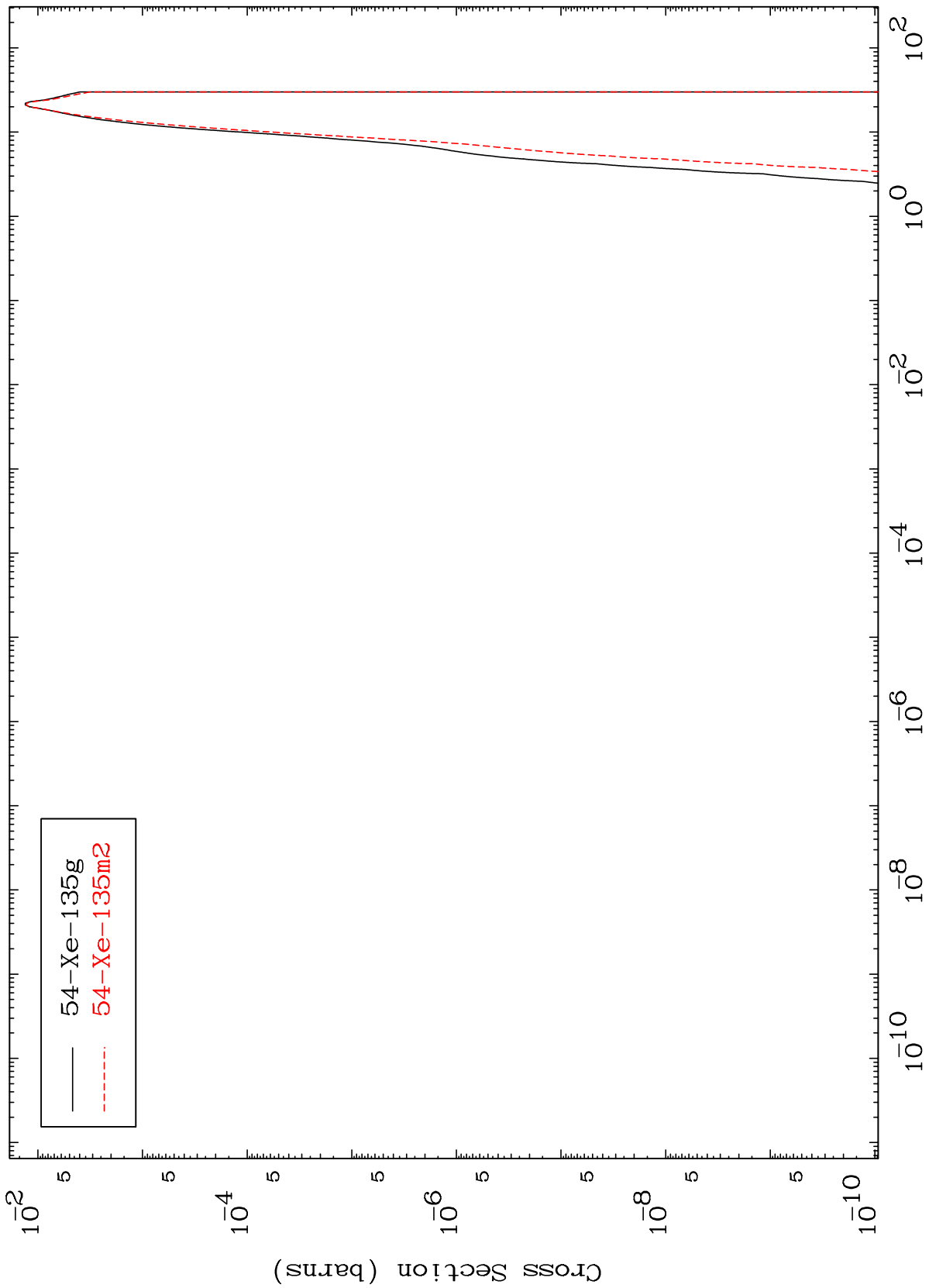
Incident Energy (MeV)

56-Ba-138

MAT 5649

56-Ba-138

(n,  $\alpha$ )  
Radionuclide Production Cross Section



145

56-Ba-138

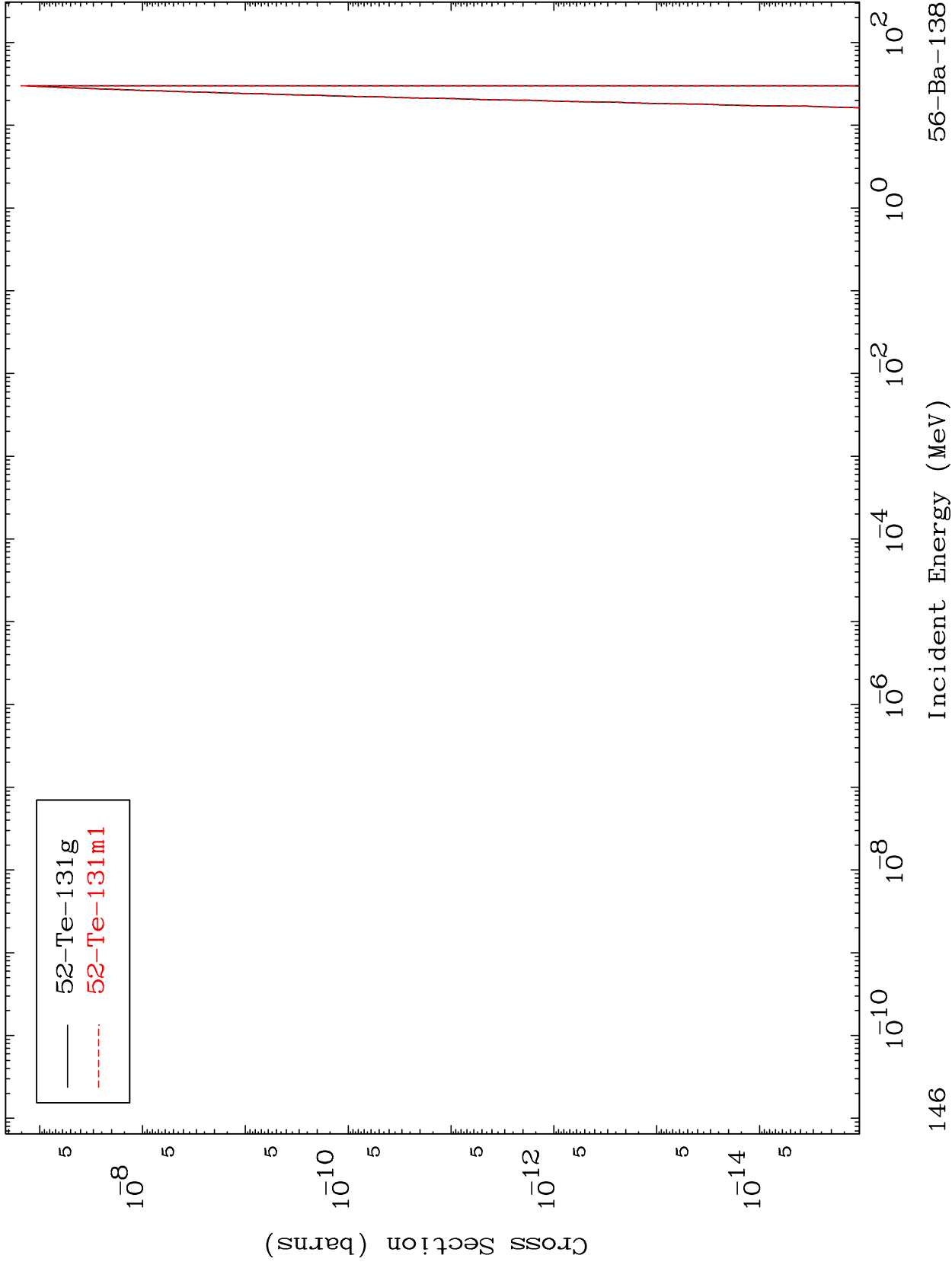
Incident Energy (MeV)

MAT 5649

(n,2α)

56-Ba-138

Radionuclide Production Cross Section

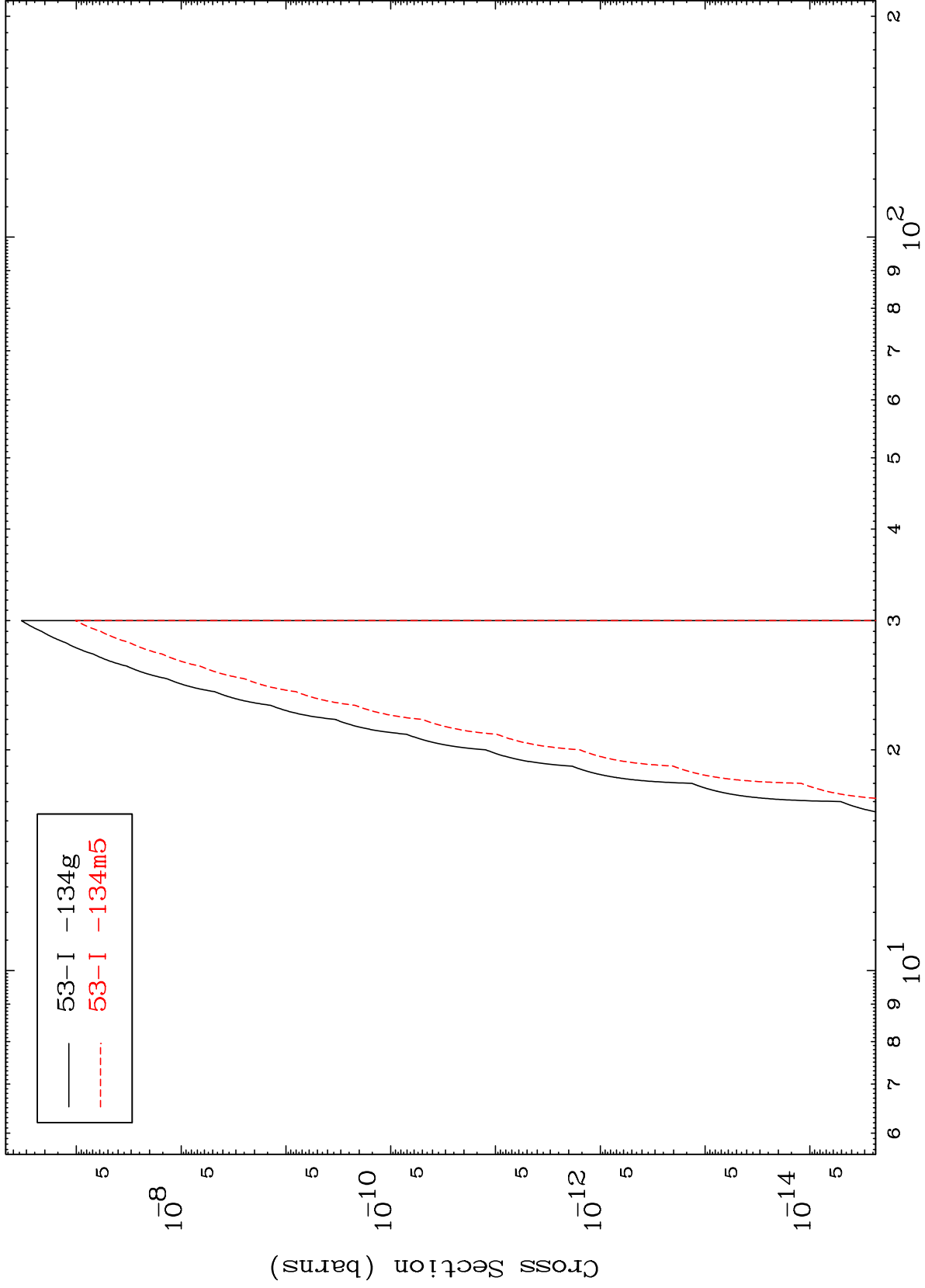


MAT 5649

(n,p)  $\alpha$

56-Ba-138

Radionuclide Production Cross Section



147

Incident Energy (MeV)

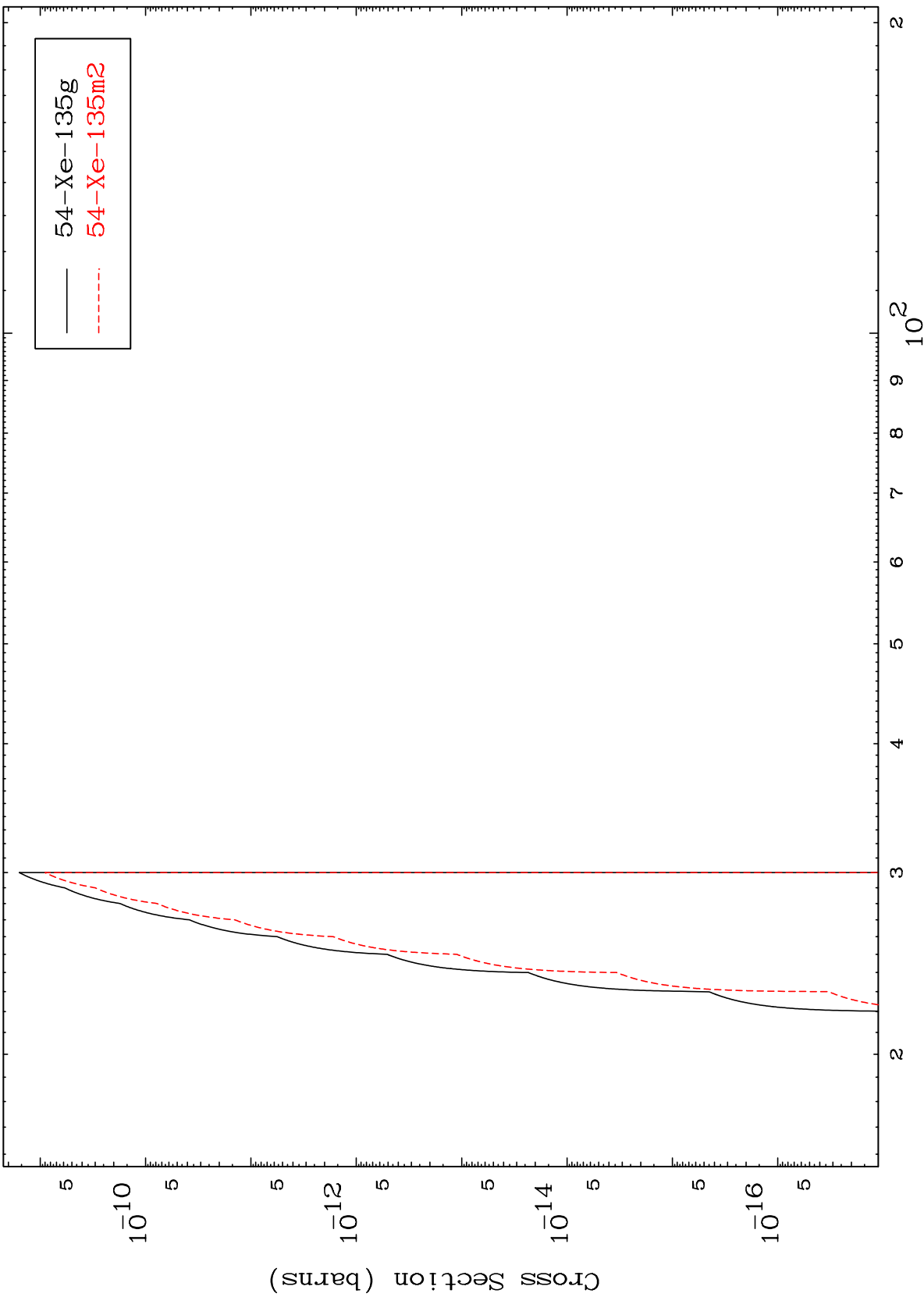
56-Ba-138

MAT 5649

(n,p) t

56-Ba-138

Radionuclide Production Cross Section



54-Xe-135g  
54-Xe-135m2

148

Incident Energy (MeV)

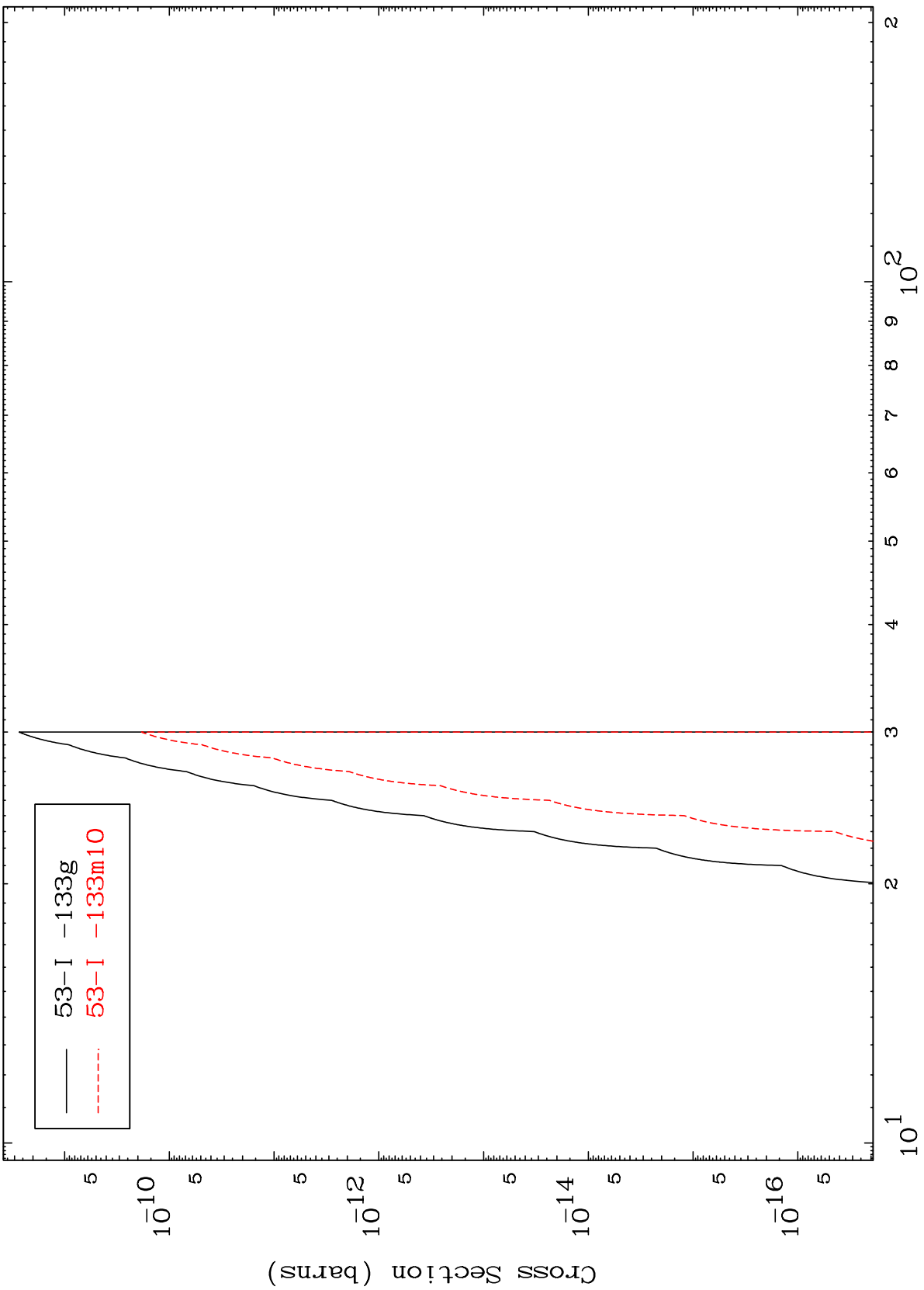
56-Ba-138

MAT 5649

(n,d)  $\alpha$

56-Ba-138

Radionuclide Production Cross Section



53-I-133g  
53-I-133m10

149

Incident Energy (MeV)

56-Ba-138