

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

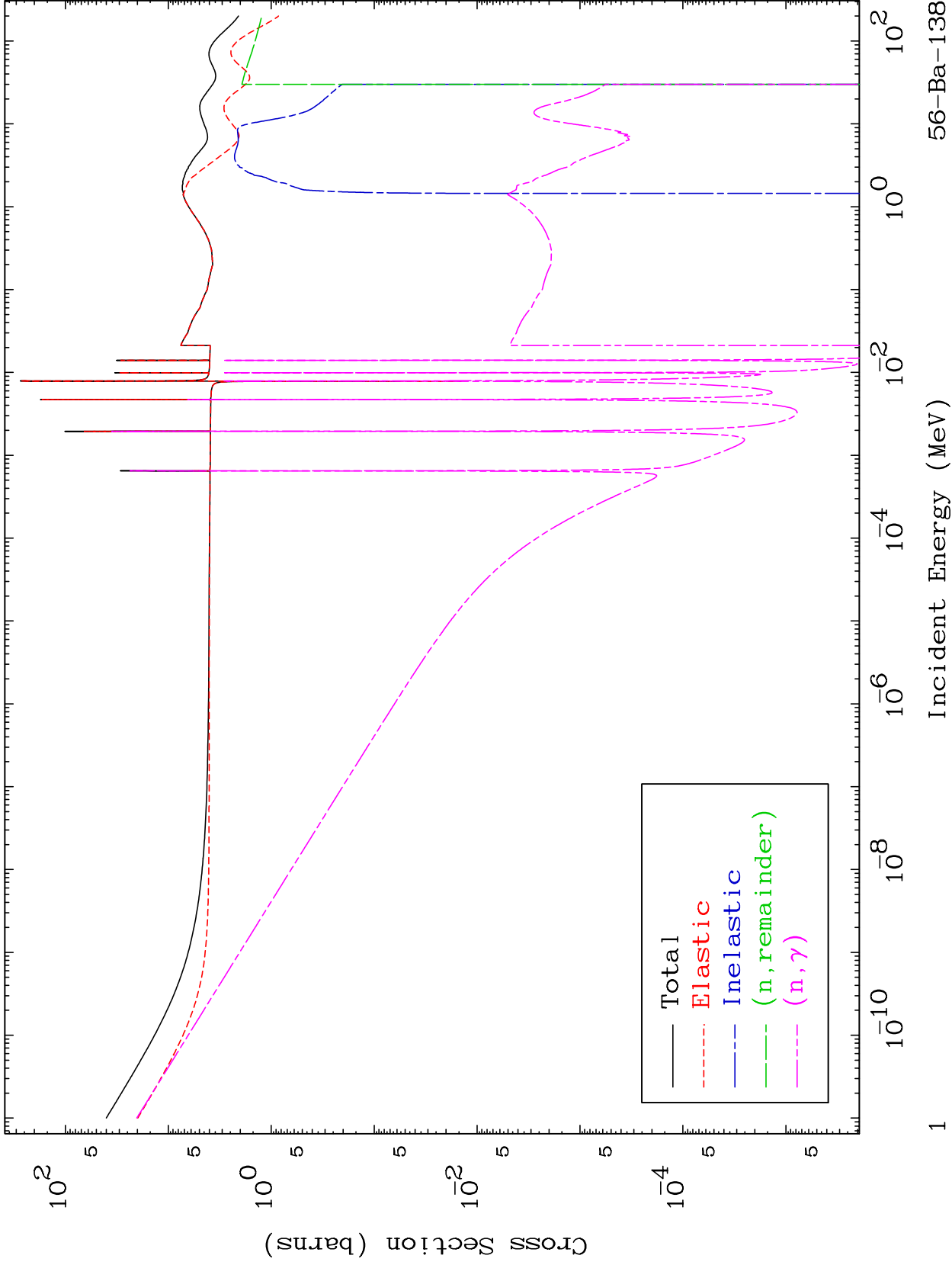
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Press Mouse Button to Start

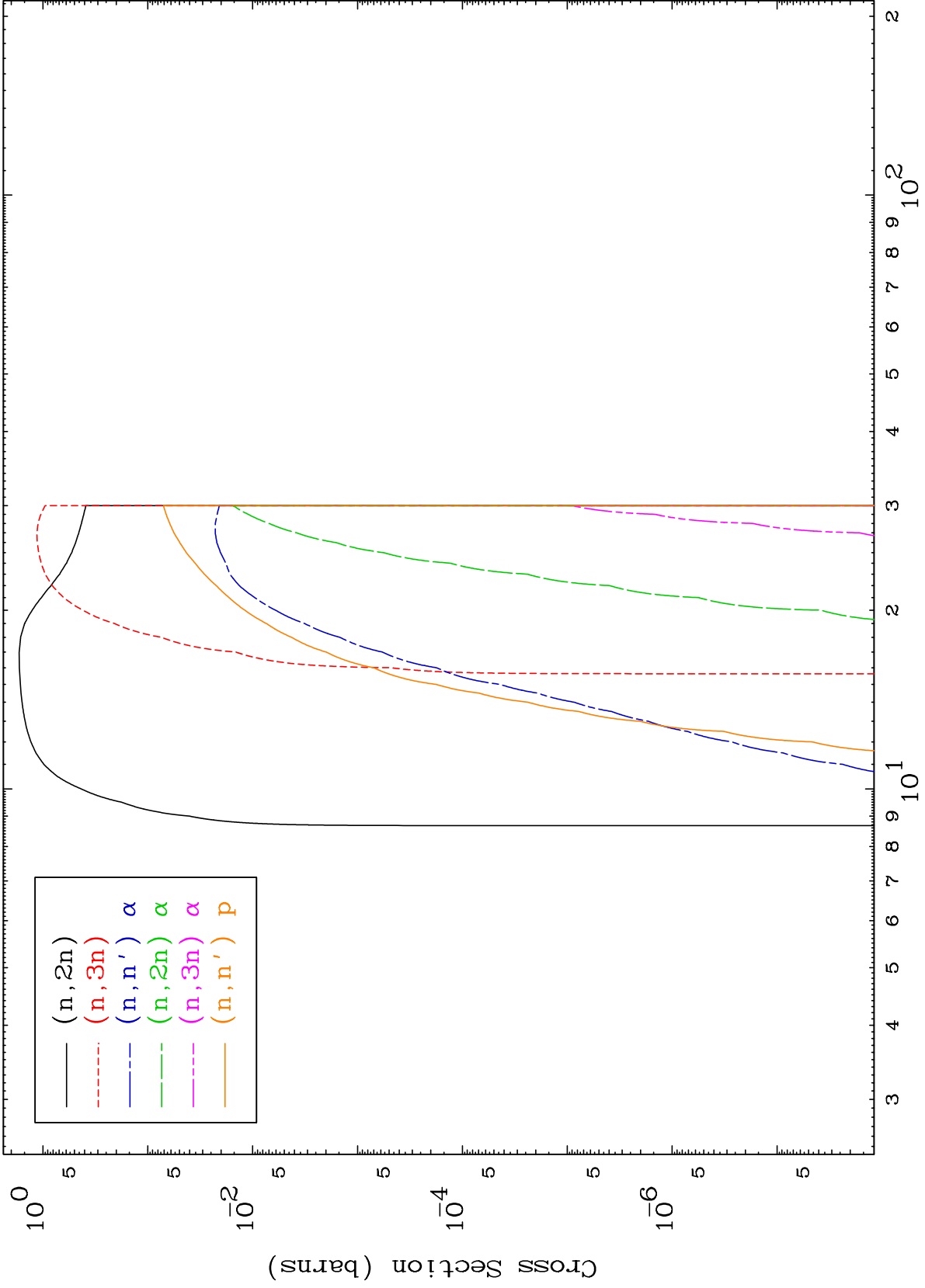
MAT 5649

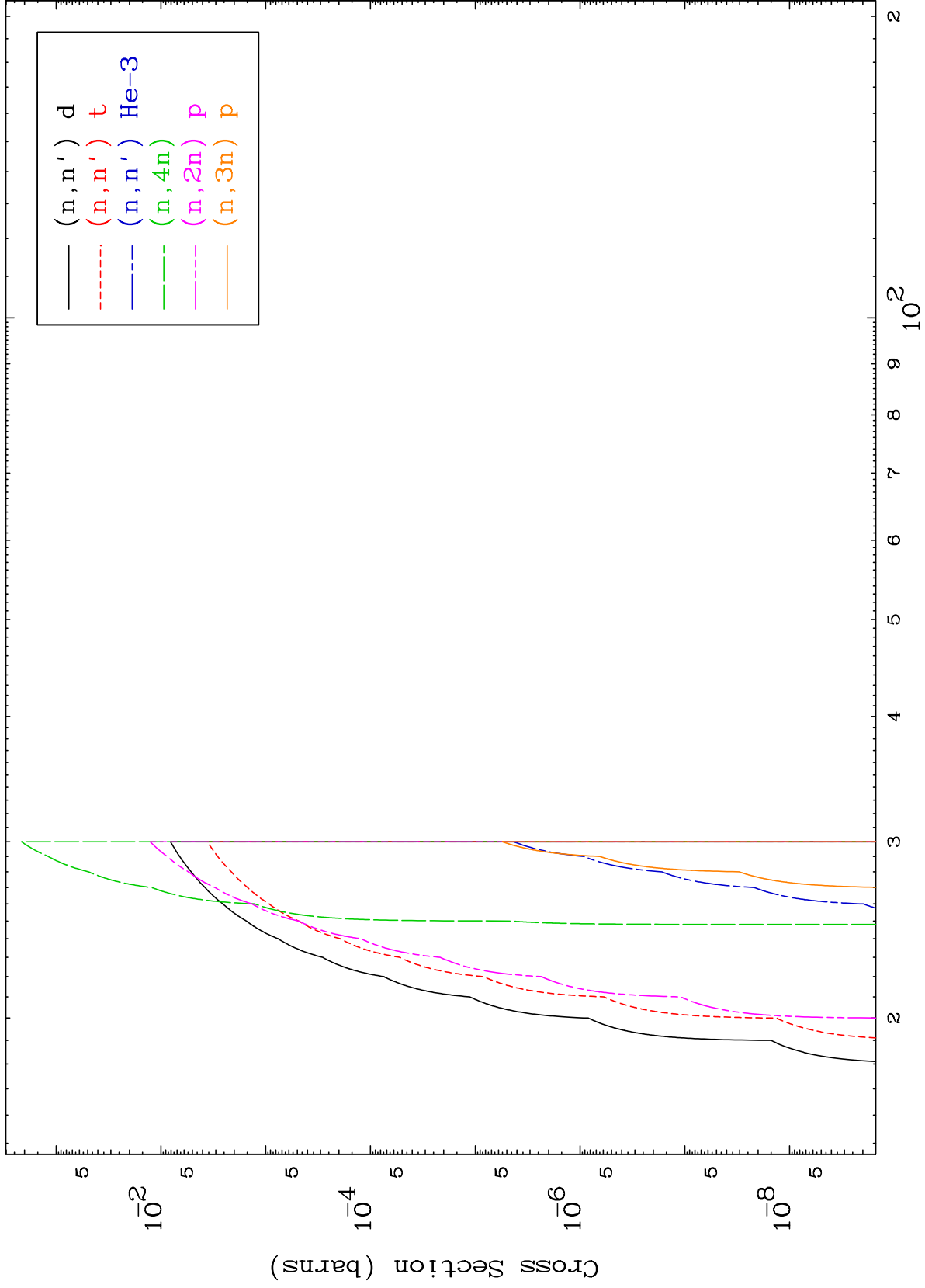
Major
293 Kelvin Cross Sections

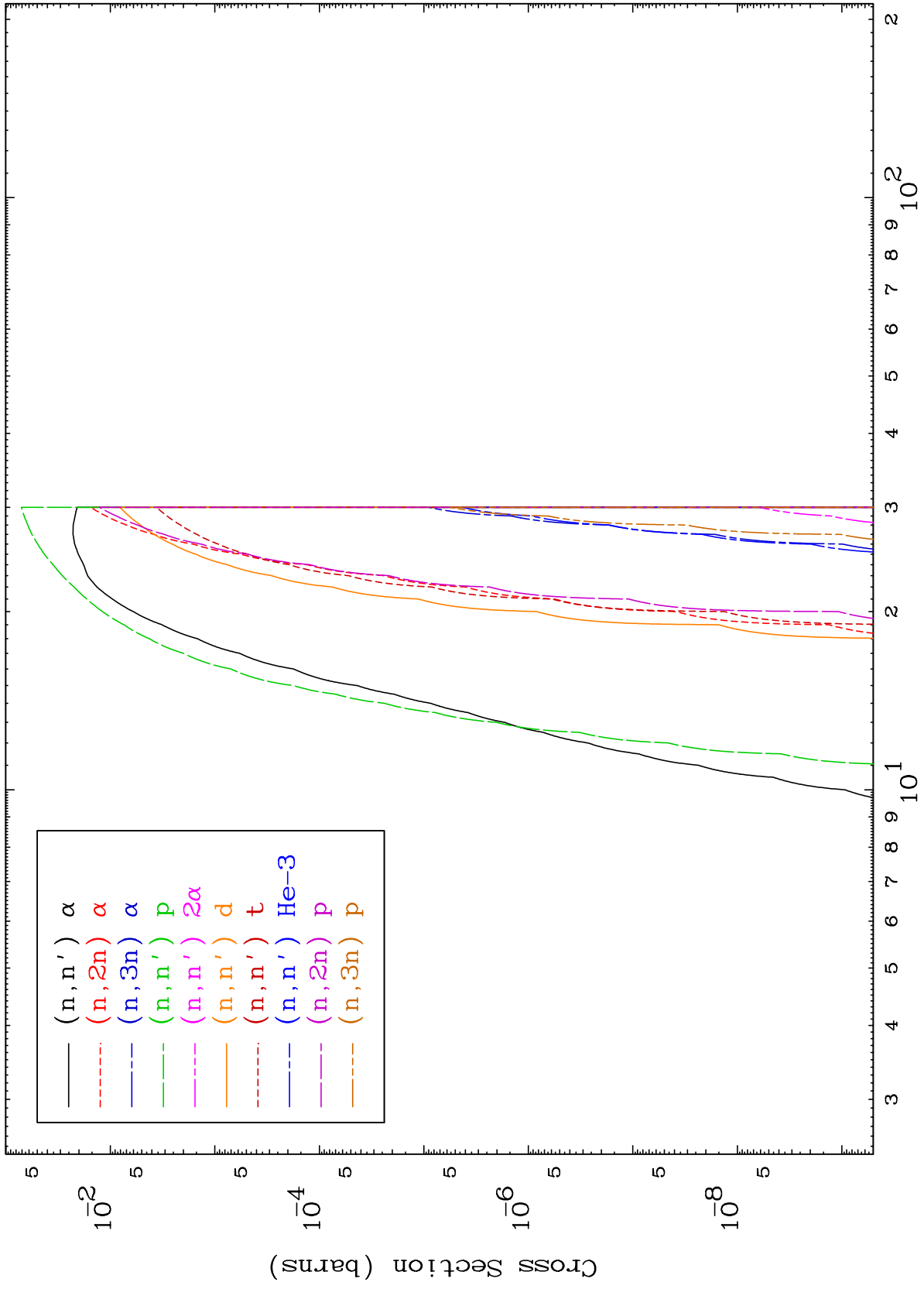
56-Ba-138



Neutron Production
293 Kelvin Cross Sections



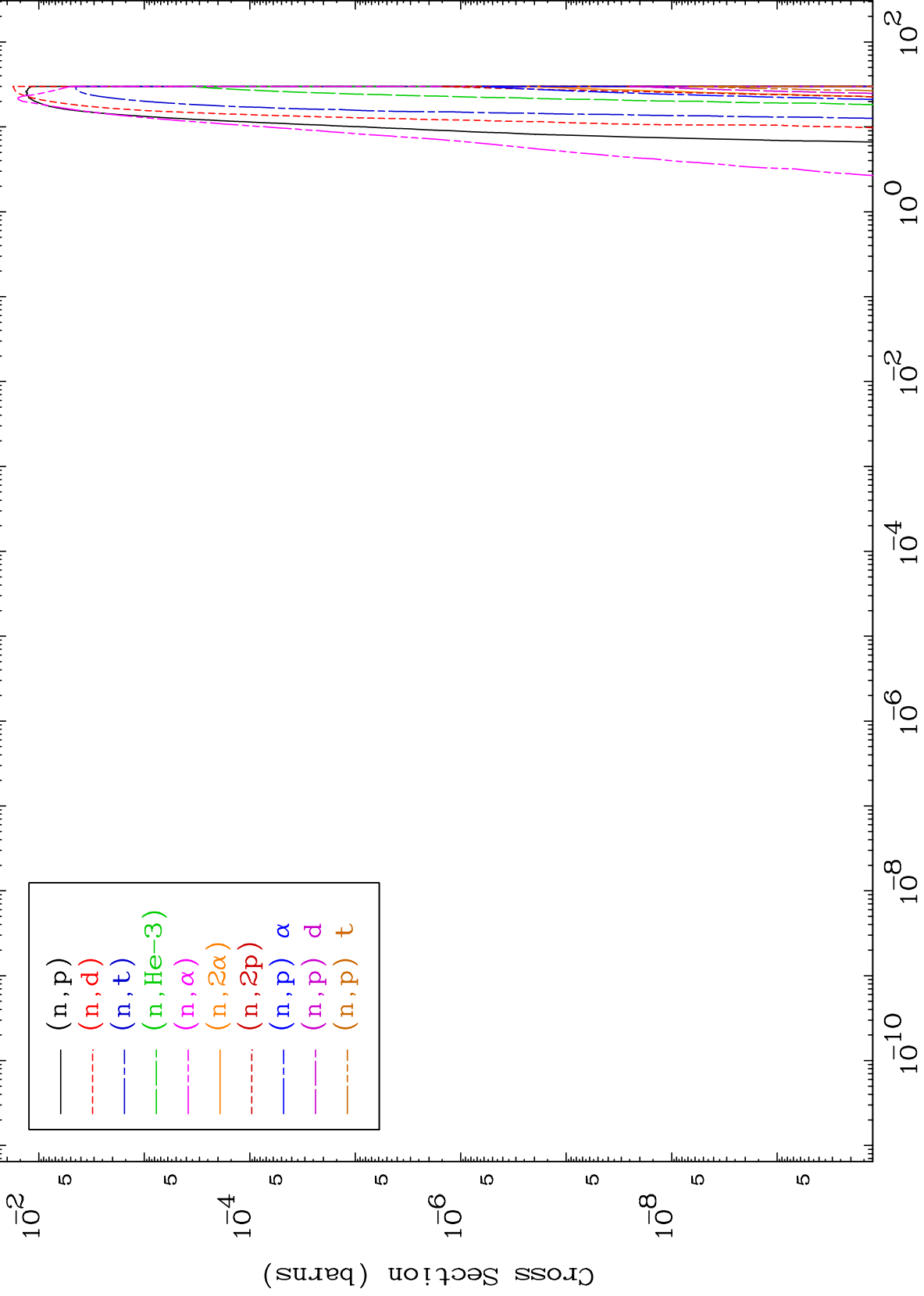




MAT 5649

Charged Particle
293 Kelvin Cross Sections

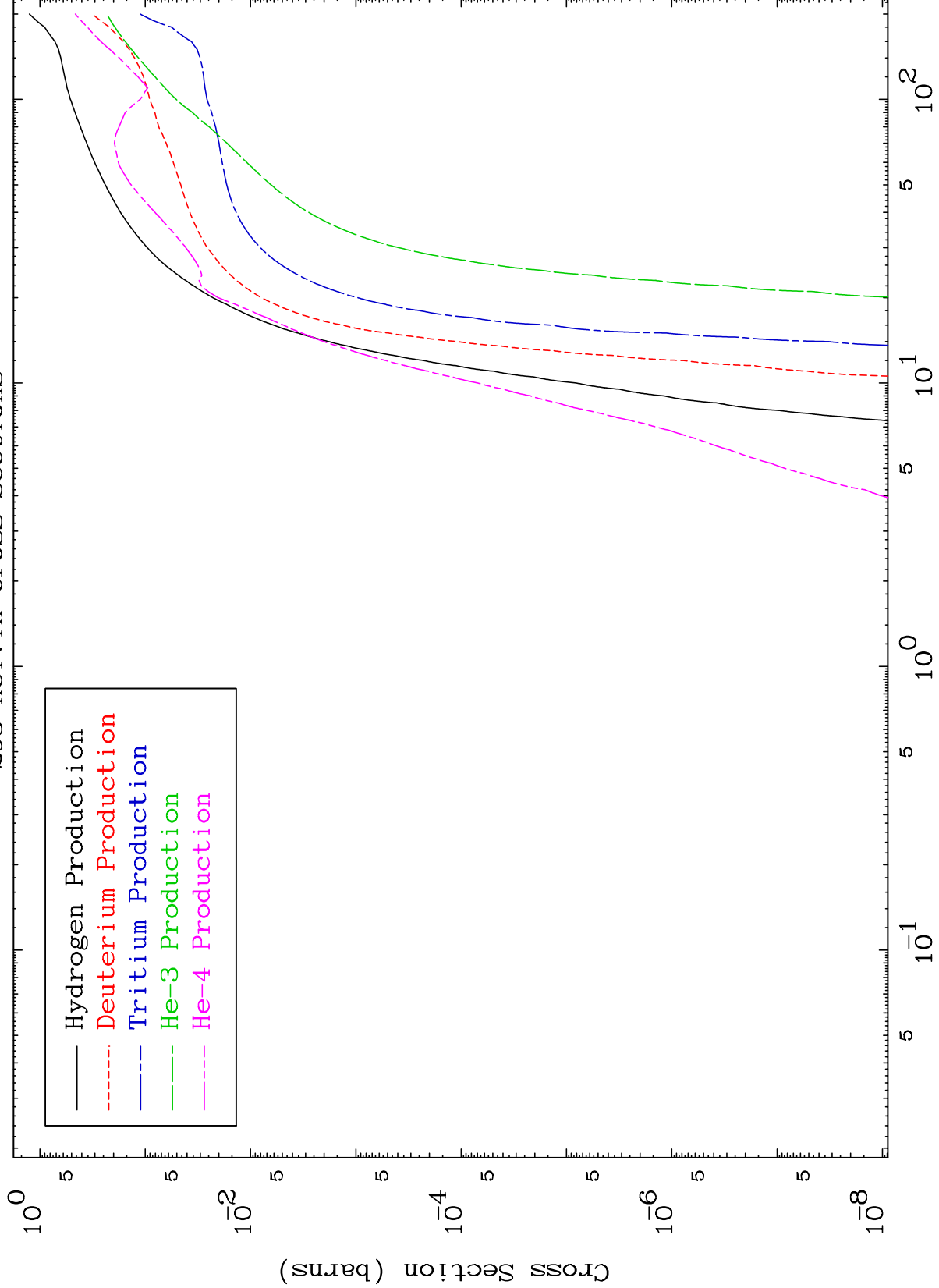
56-Ba-138



MAT 5649

Particle Production
293 Kelvin Cross Sections

56-Ba-138

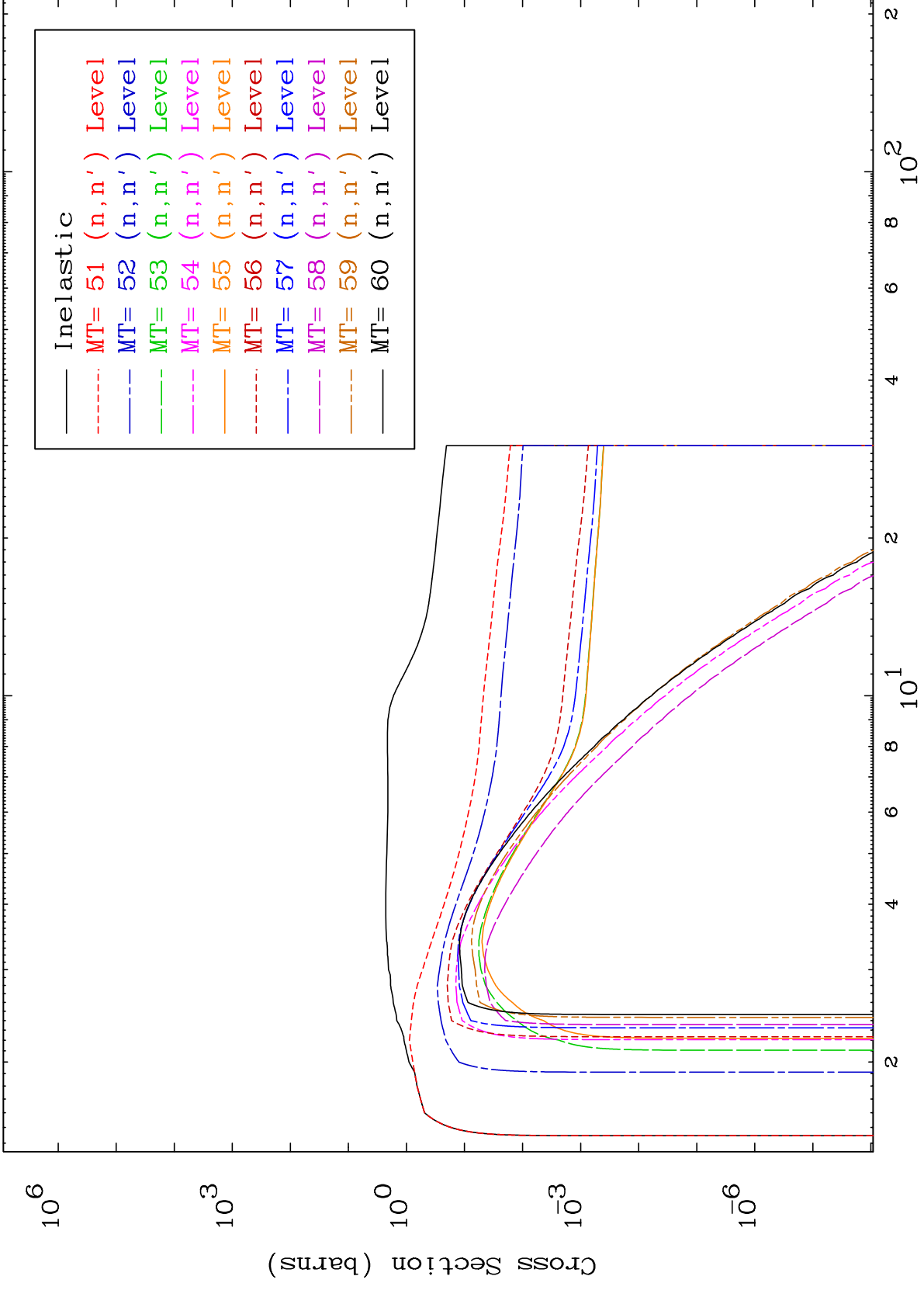


MAT 5649

(n,n') Level

56-Ba-138

293 Kelvin Cross Sections

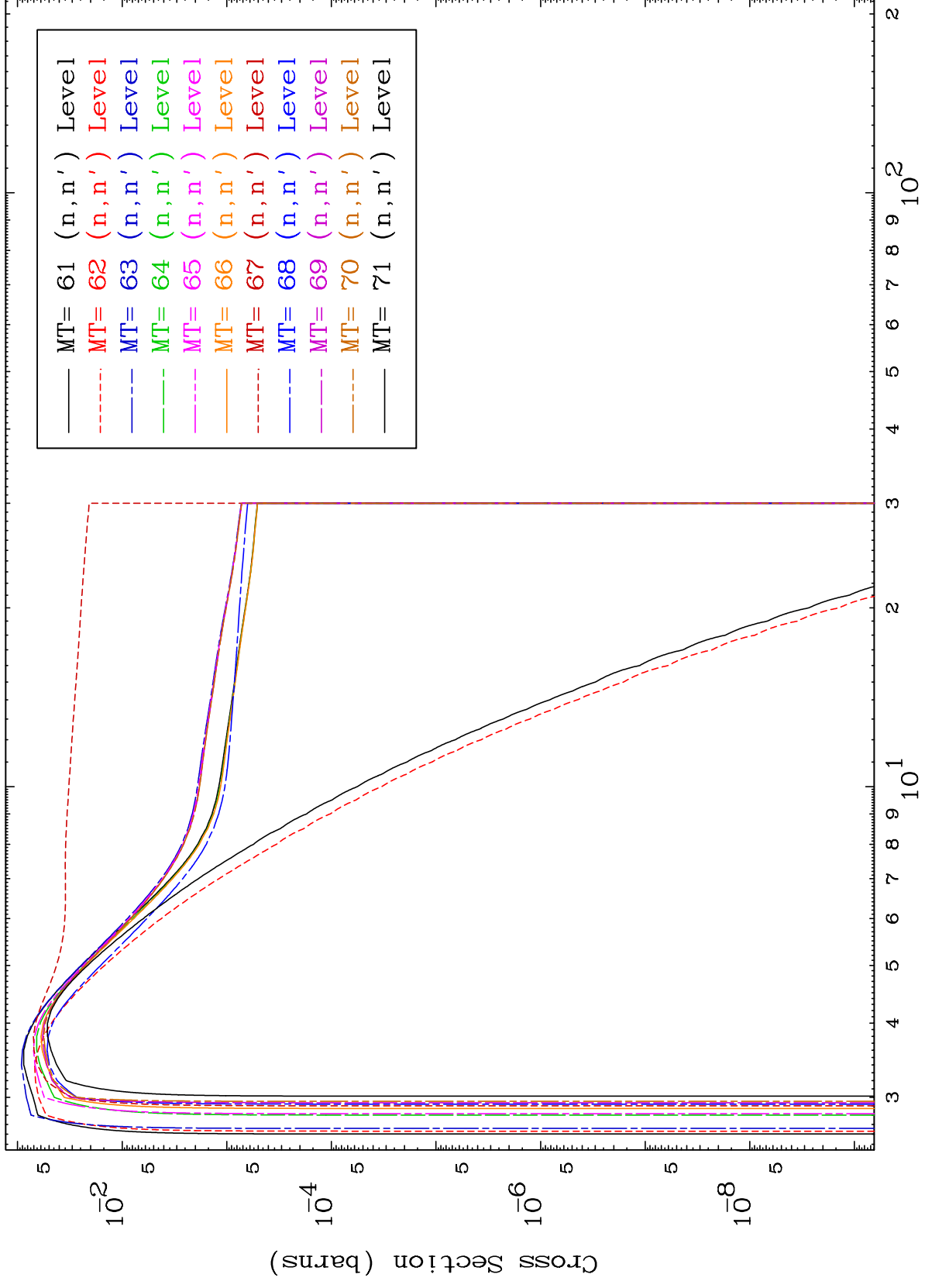


MAT 5649

(n,n') Level

56-Ba-138

293 Kelvin Cross Sections



8

Incident Energy (MeV)

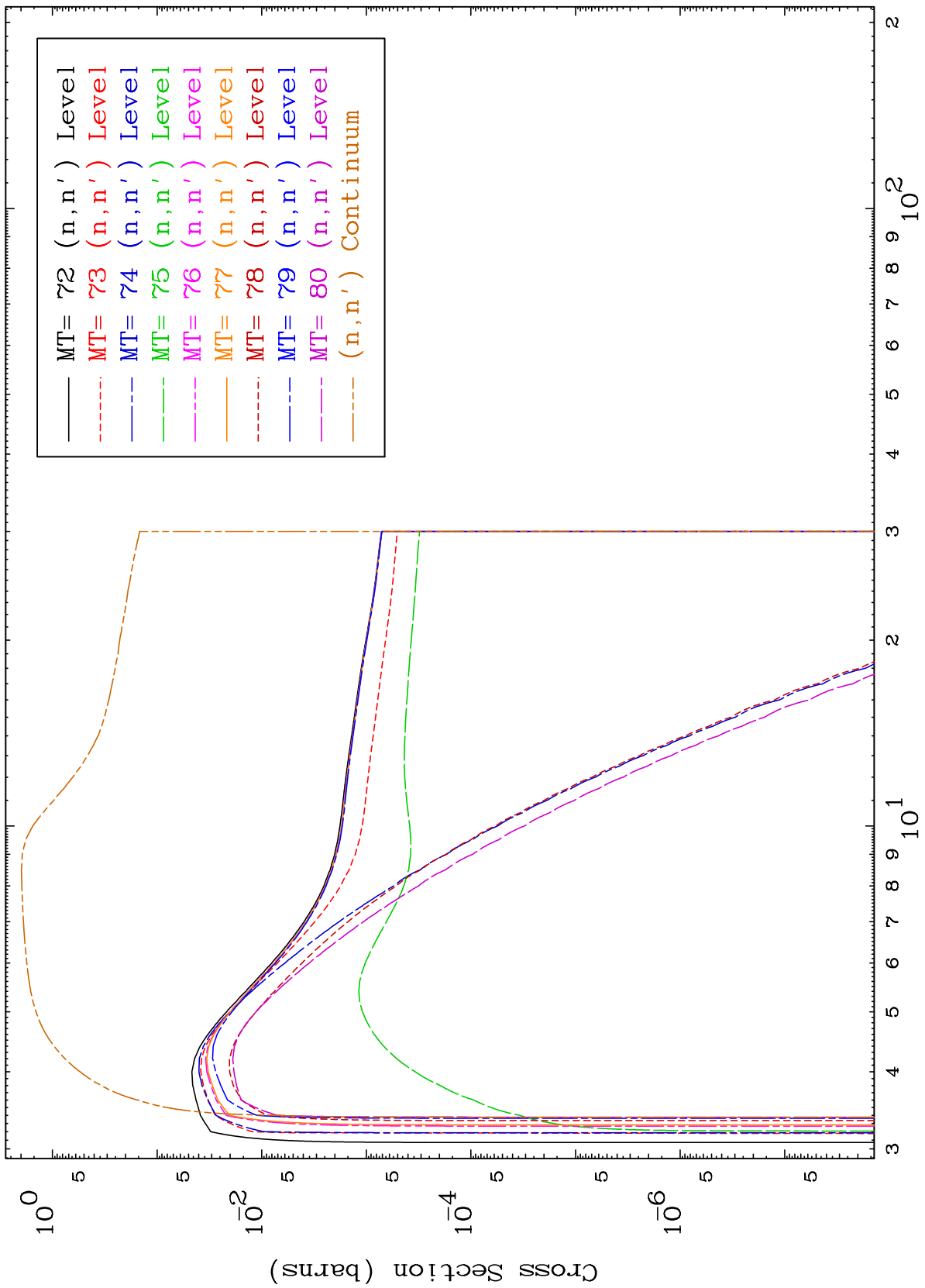
56-Ba-138

MAT 5649

(n,n') Level

56-Ba-138

293 Kelvin Cross Sections



9

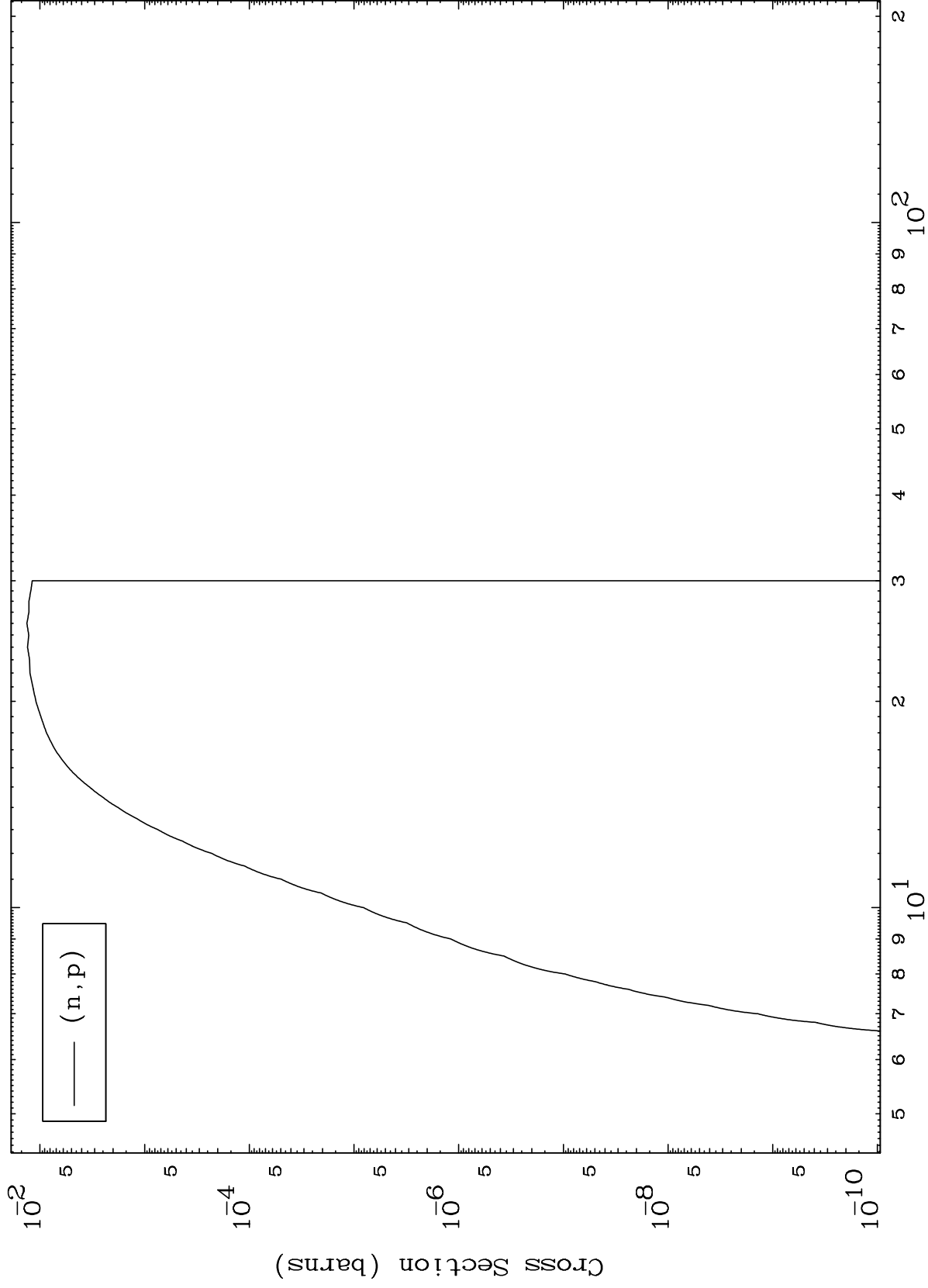
Incident Energy (MeV)

56-Ba-138

MAT 5649

(n,p) Levels
293 Kelvin Cross Sections

56-Ba-138



56-Ba-138

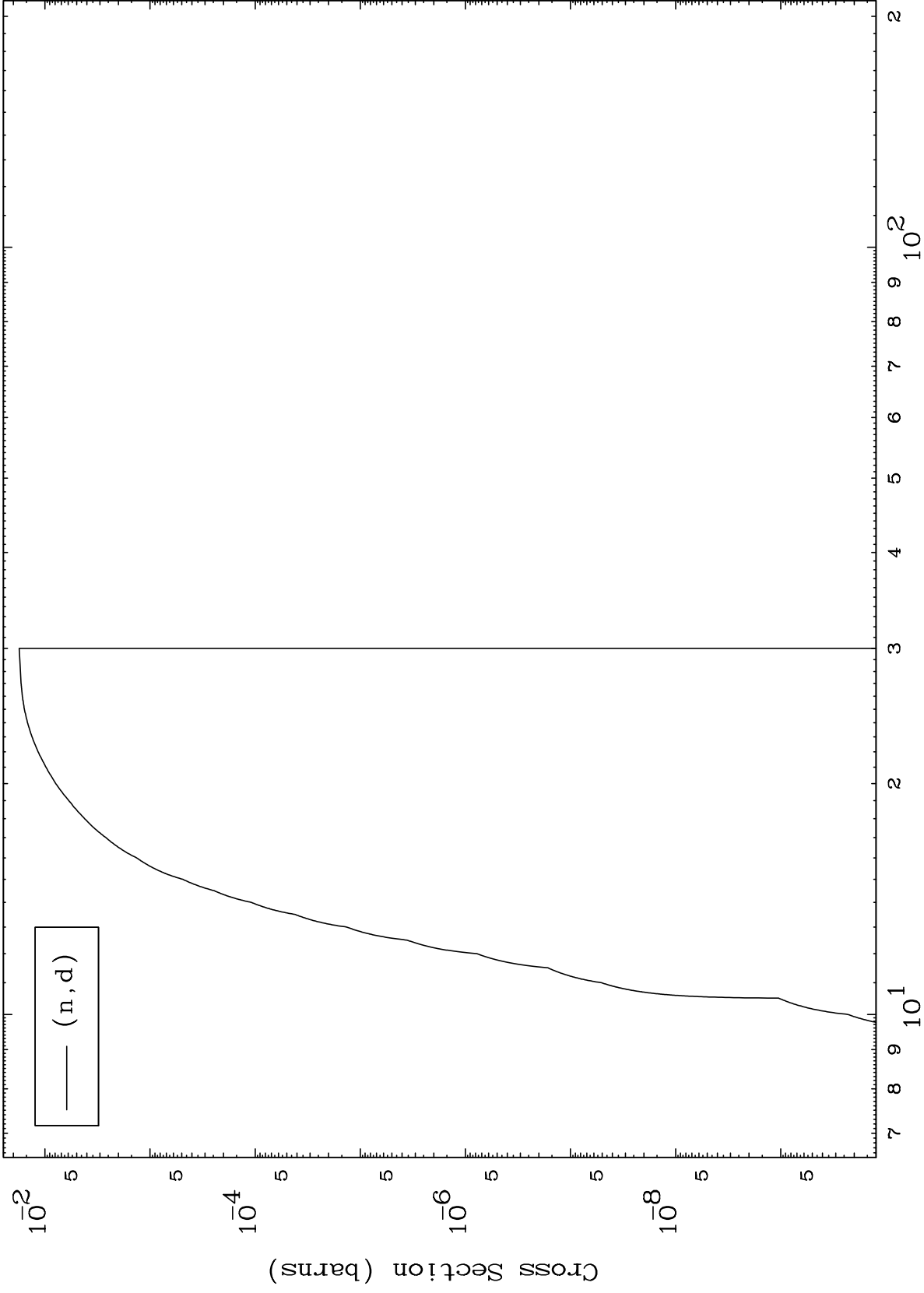
Incident Energy (MeV)

10

MAT 5649

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-138



11

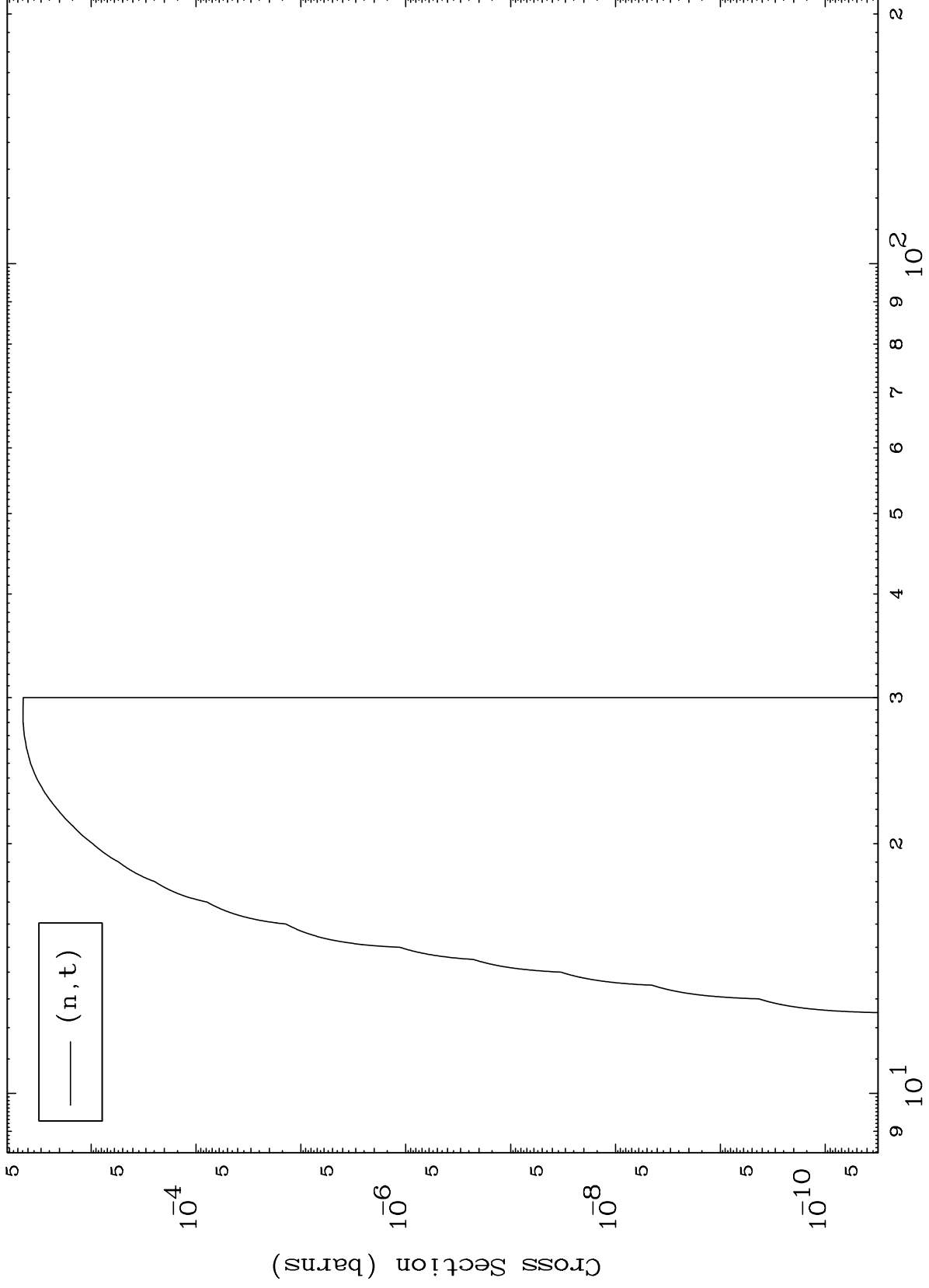
Incident Energy (MeV)

56-Ba-138

MAT 5649

(n,t) Levels
293 Kelvin Cross Sections

56-Ba-138



12

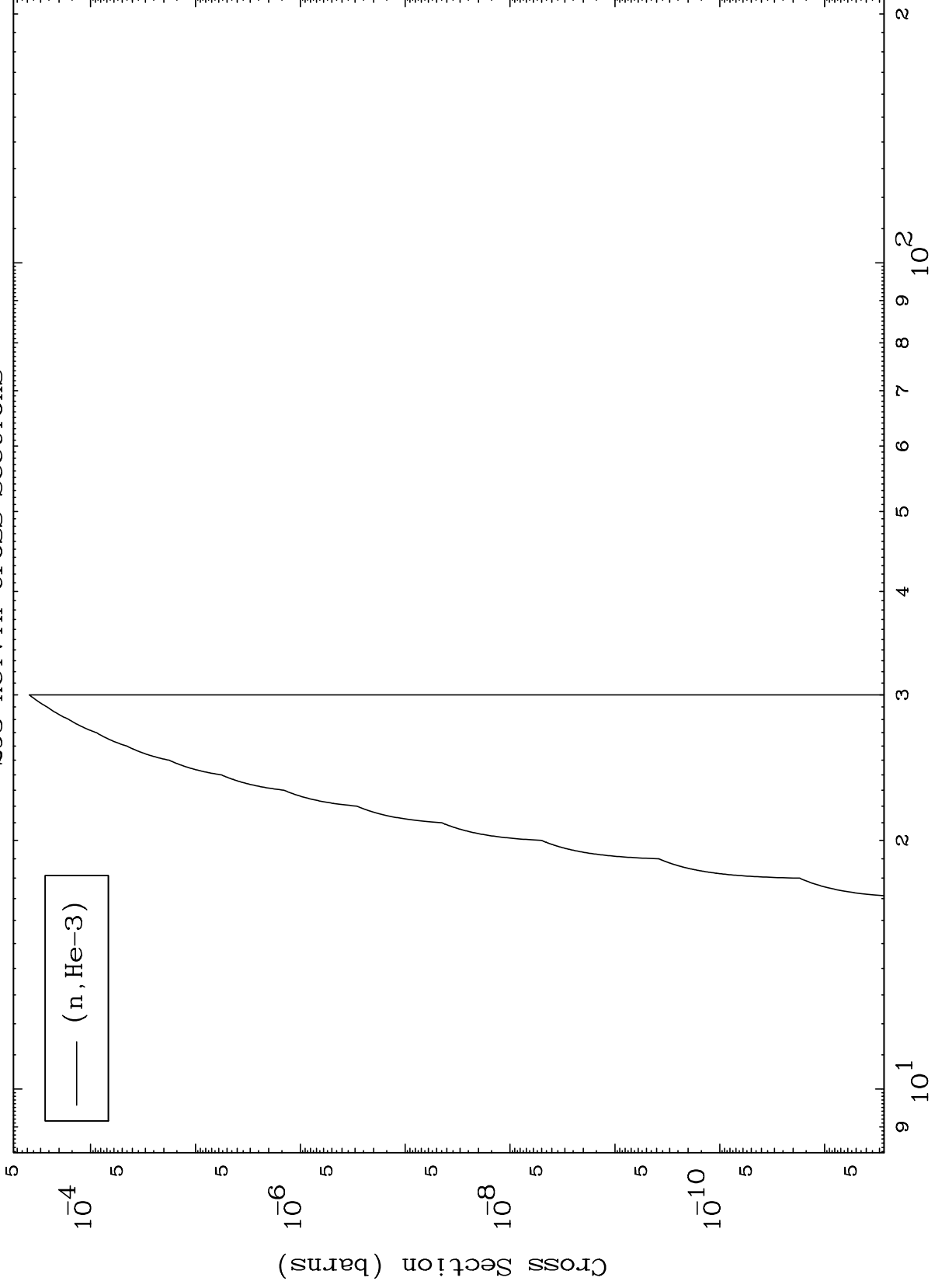
Incident Energy (MeV)

56-Ba-138

MAT 5649

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-138



13

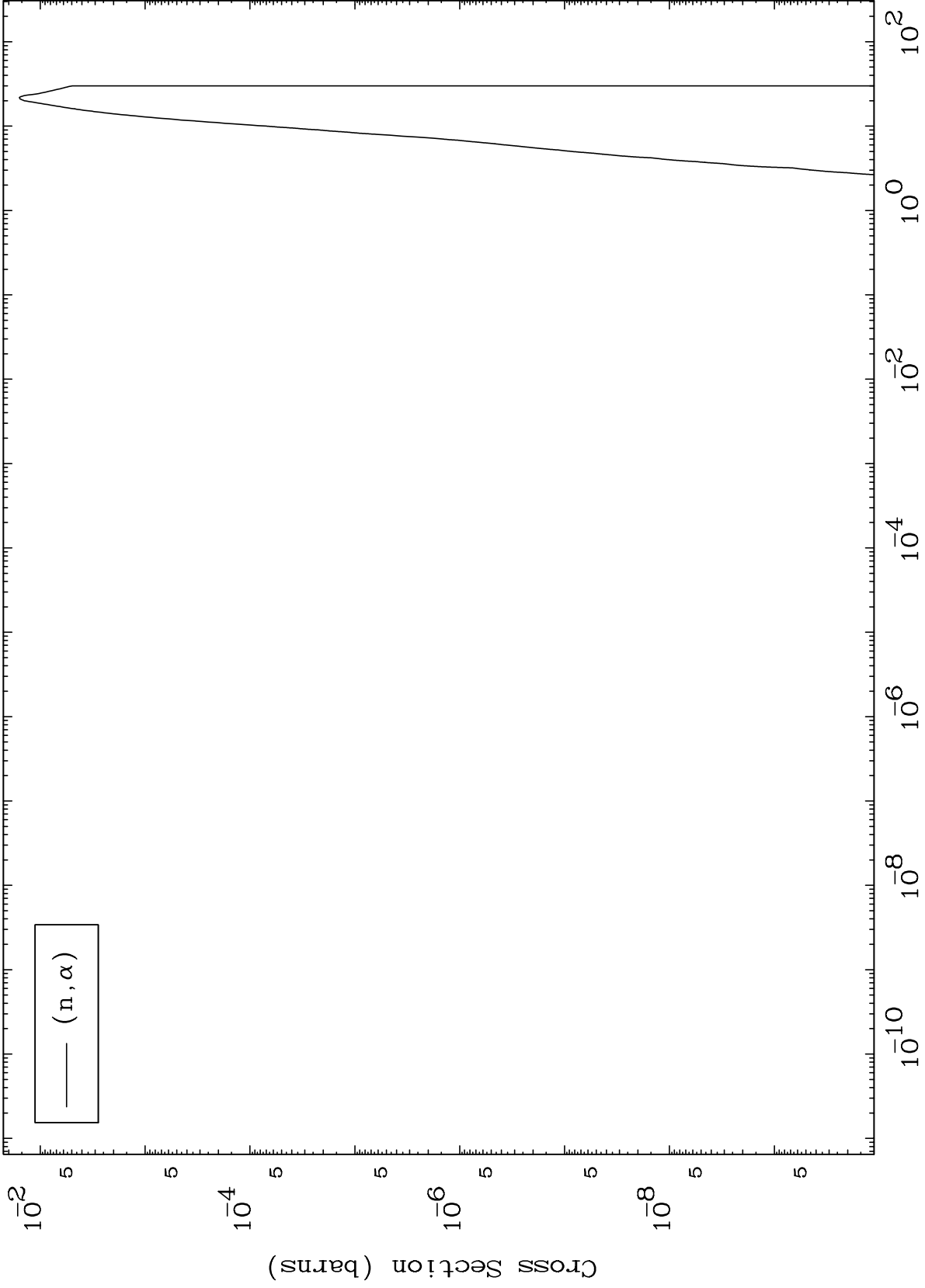
Incident Energy (MeV)

56-Ba-138

MAT 5649

(n, α) Levels
293 Kelvin Cross Sections

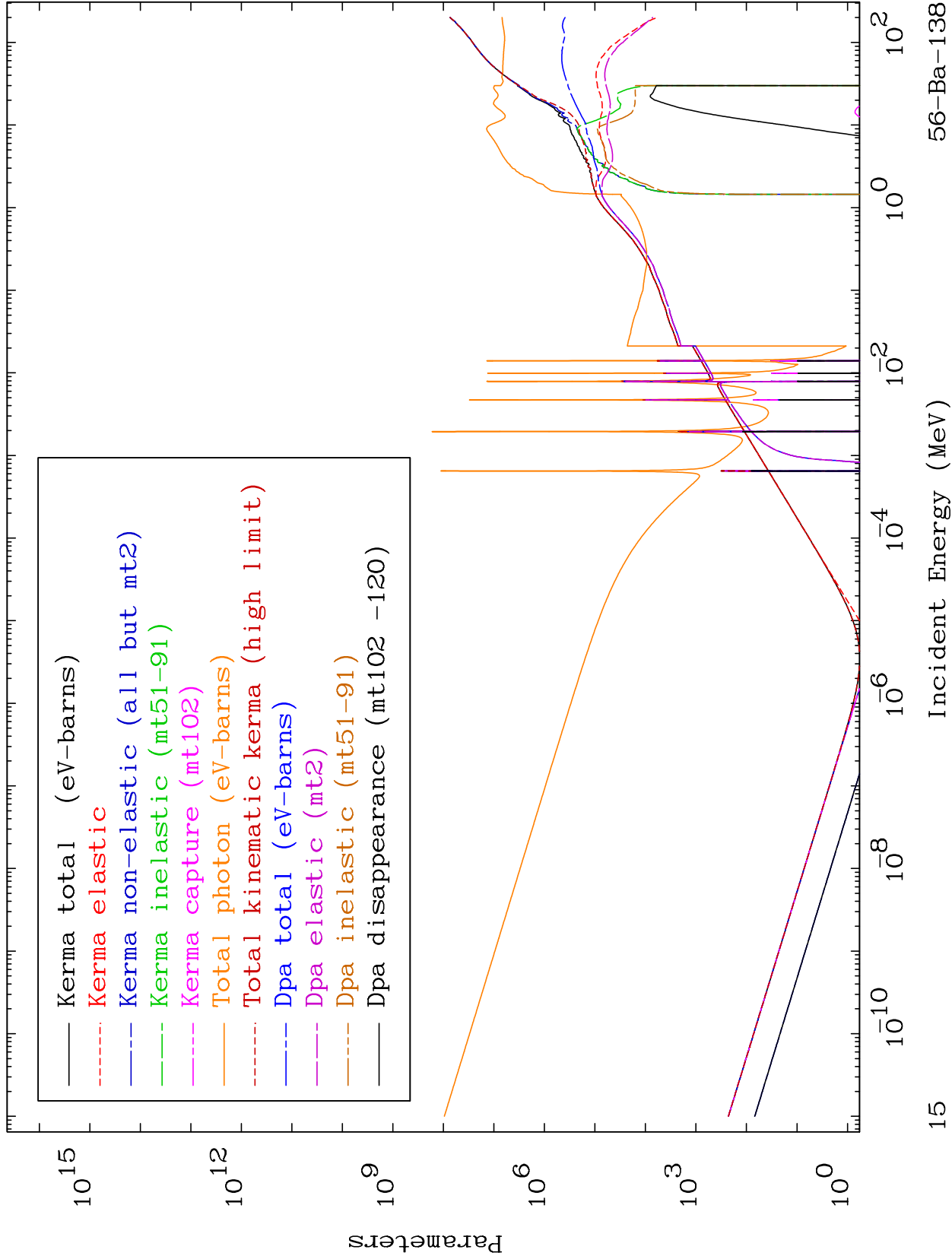
56-Ba-138



14

Incident Energy (MeV)

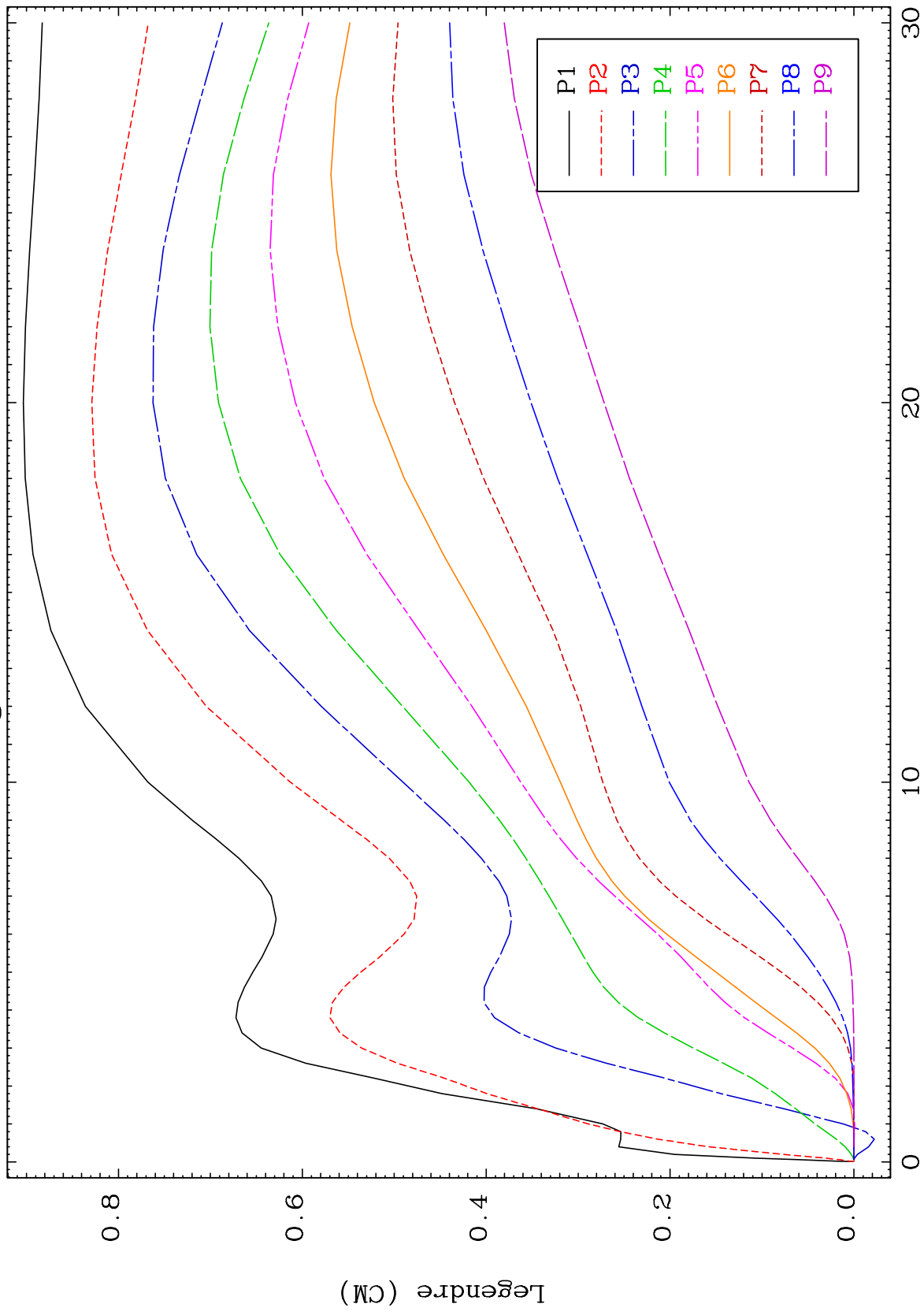
56-Ba-138



MAT 5649

Elastic Legendre Coefficients

56-Ba-138



16

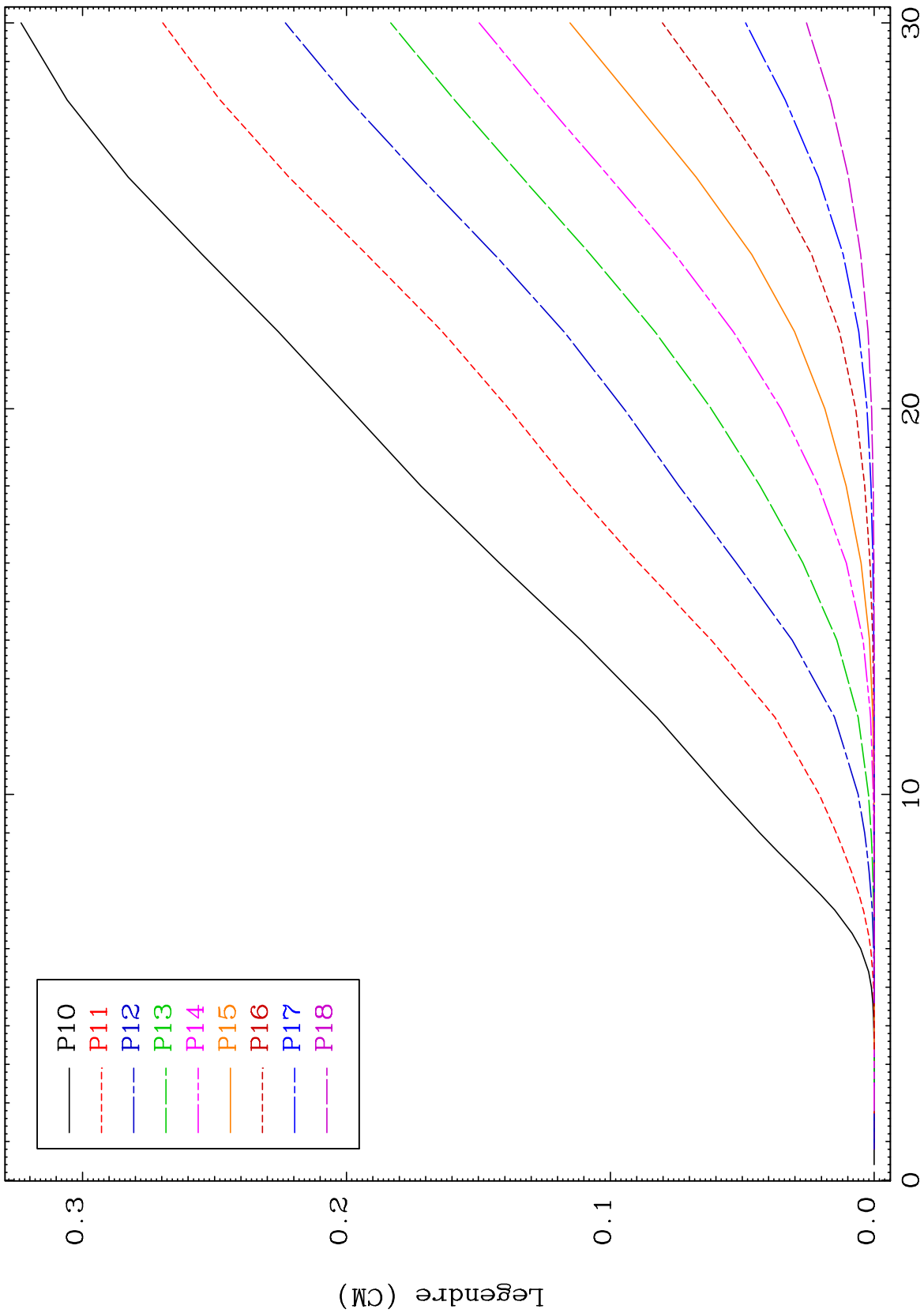
Incident Energy (MeV)

56-Ba-138

MAT 5649

Elastic Legendre Coefficients

56-Ba-138



17

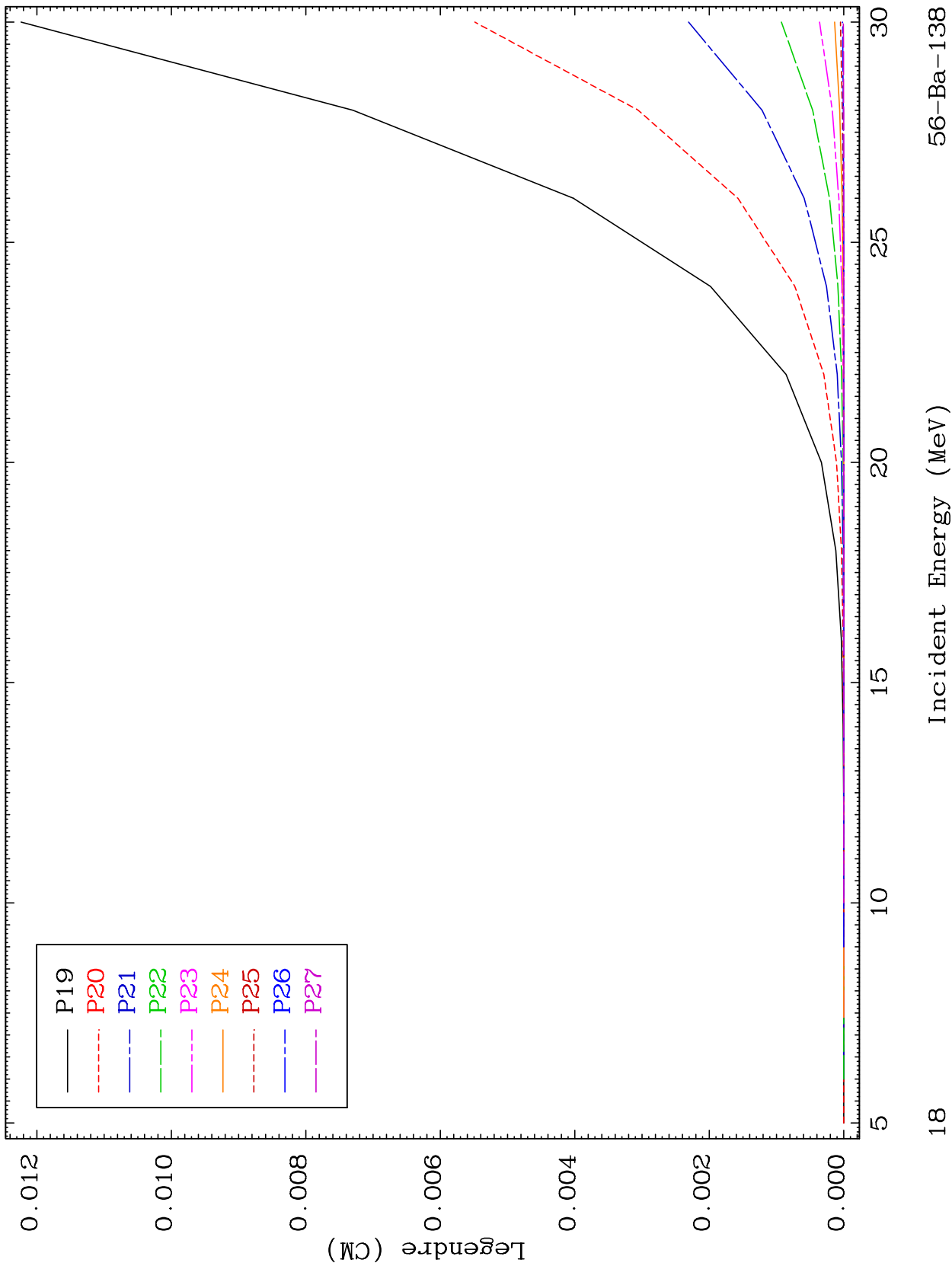
Incident Energy (MeV)

56-Ba-138

MAT 5649

Elastic Legendre Coefficients

56-Ba-138



56-Ba-138

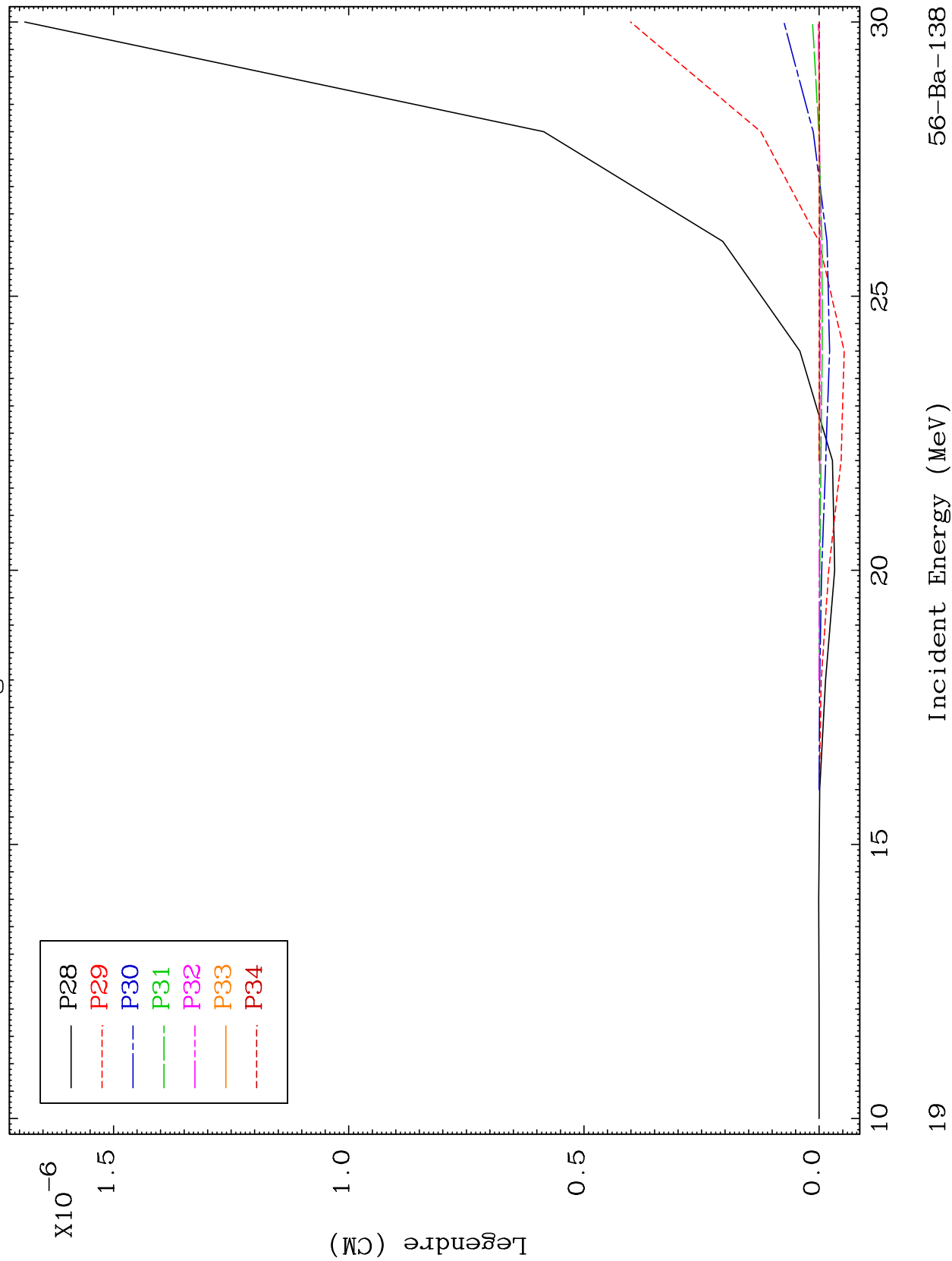
Incident Energy (MeV)

18

MAT 5649

Elastic Legendre Coefficients

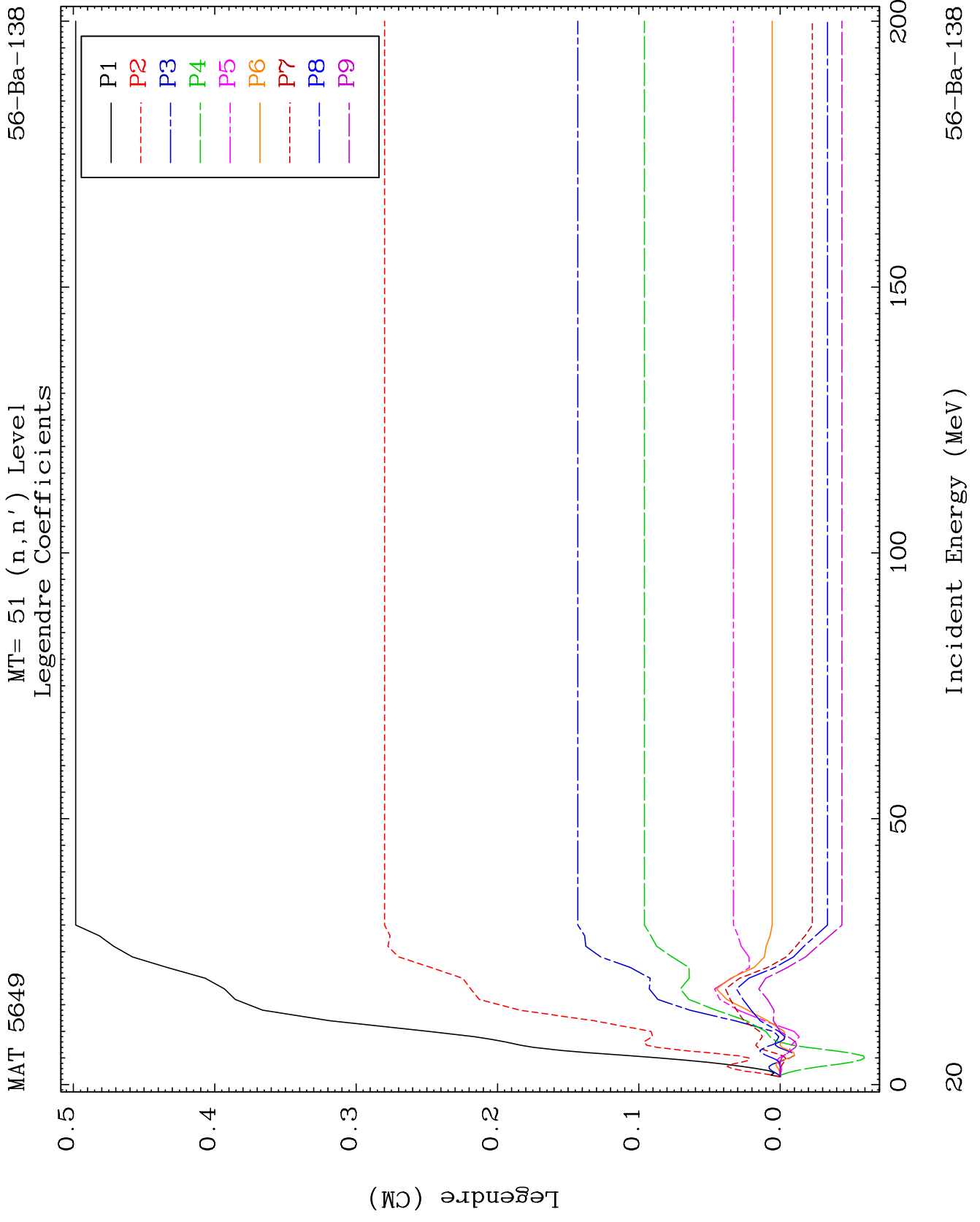
56-Ba-138



19

Incident Energy (MeV)

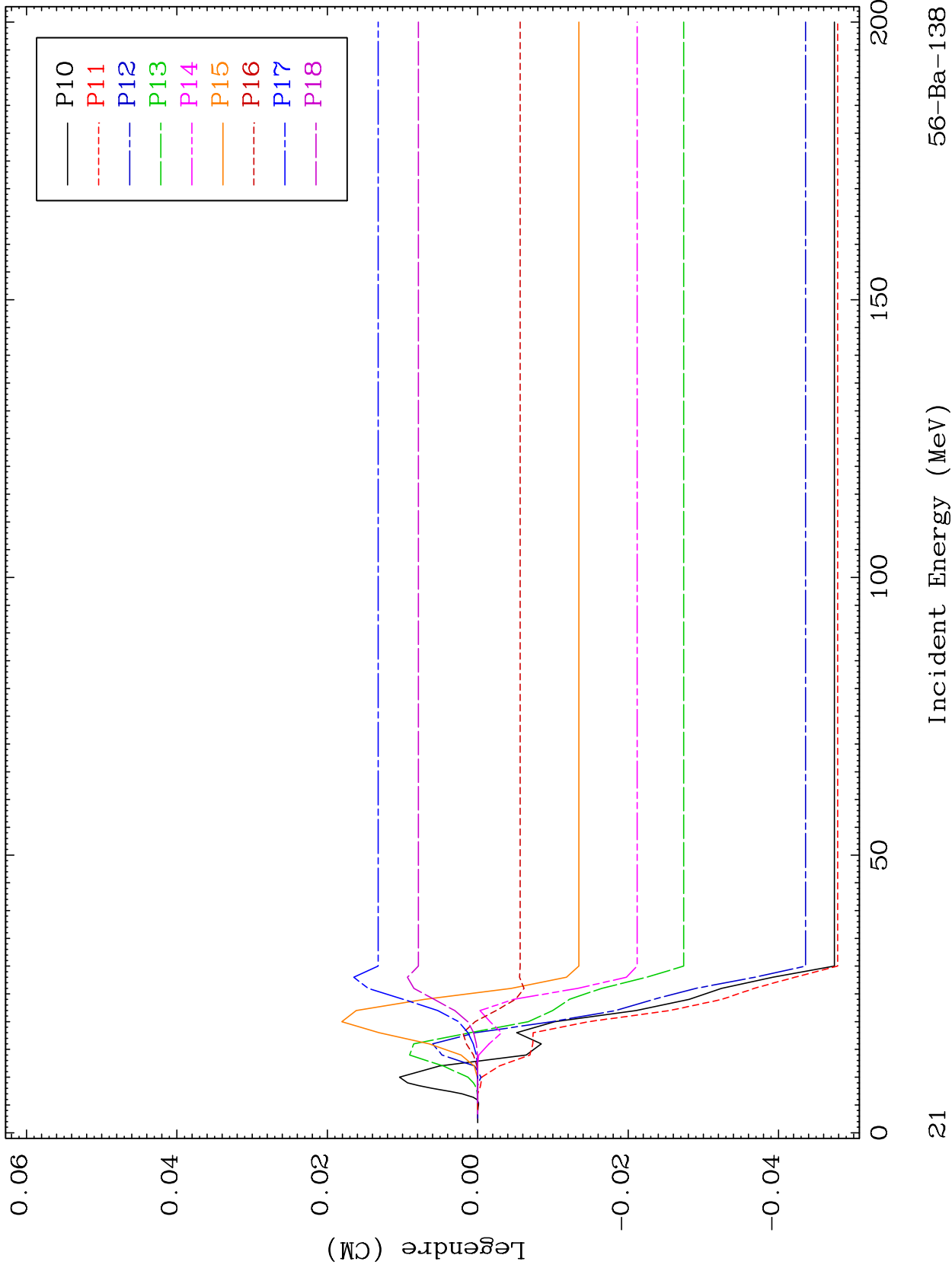
56-Ba-138



MAT 5649

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

56-Ba-138



56-Ba-138

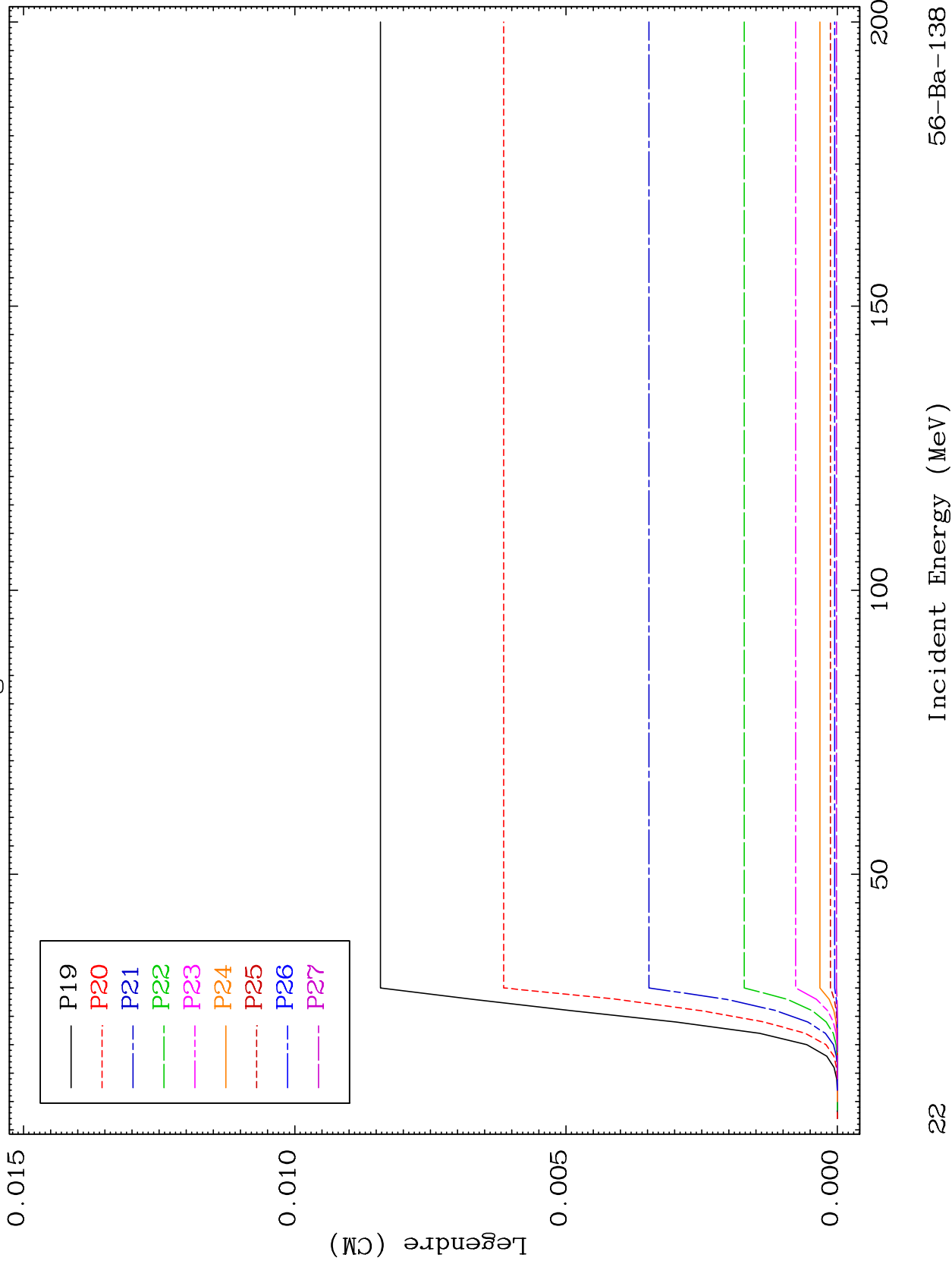
Incident Energy (MeV)

21

MAT 5649

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

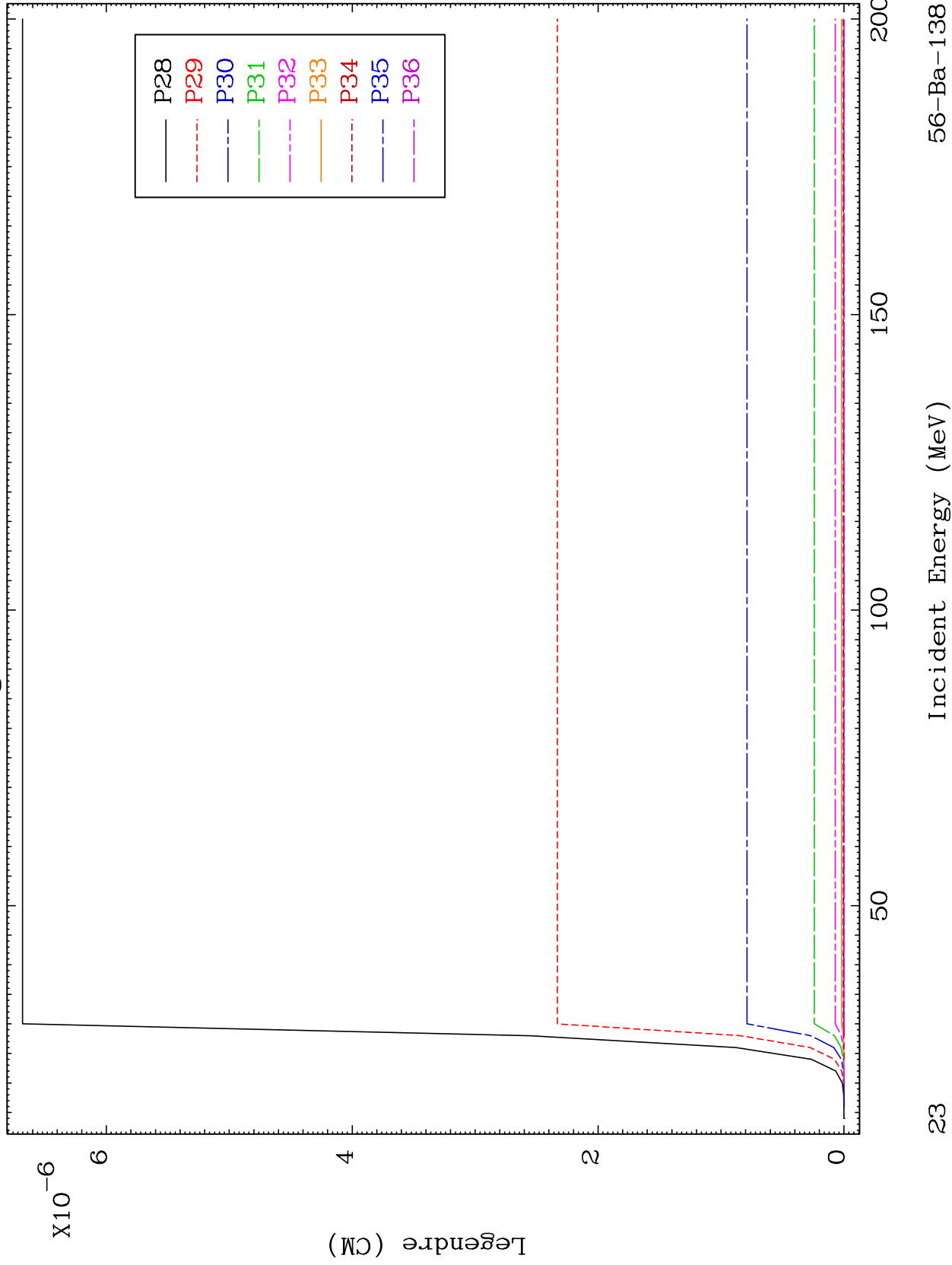
56-Ba-138



MAT 5649

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

56-Ba-138



23

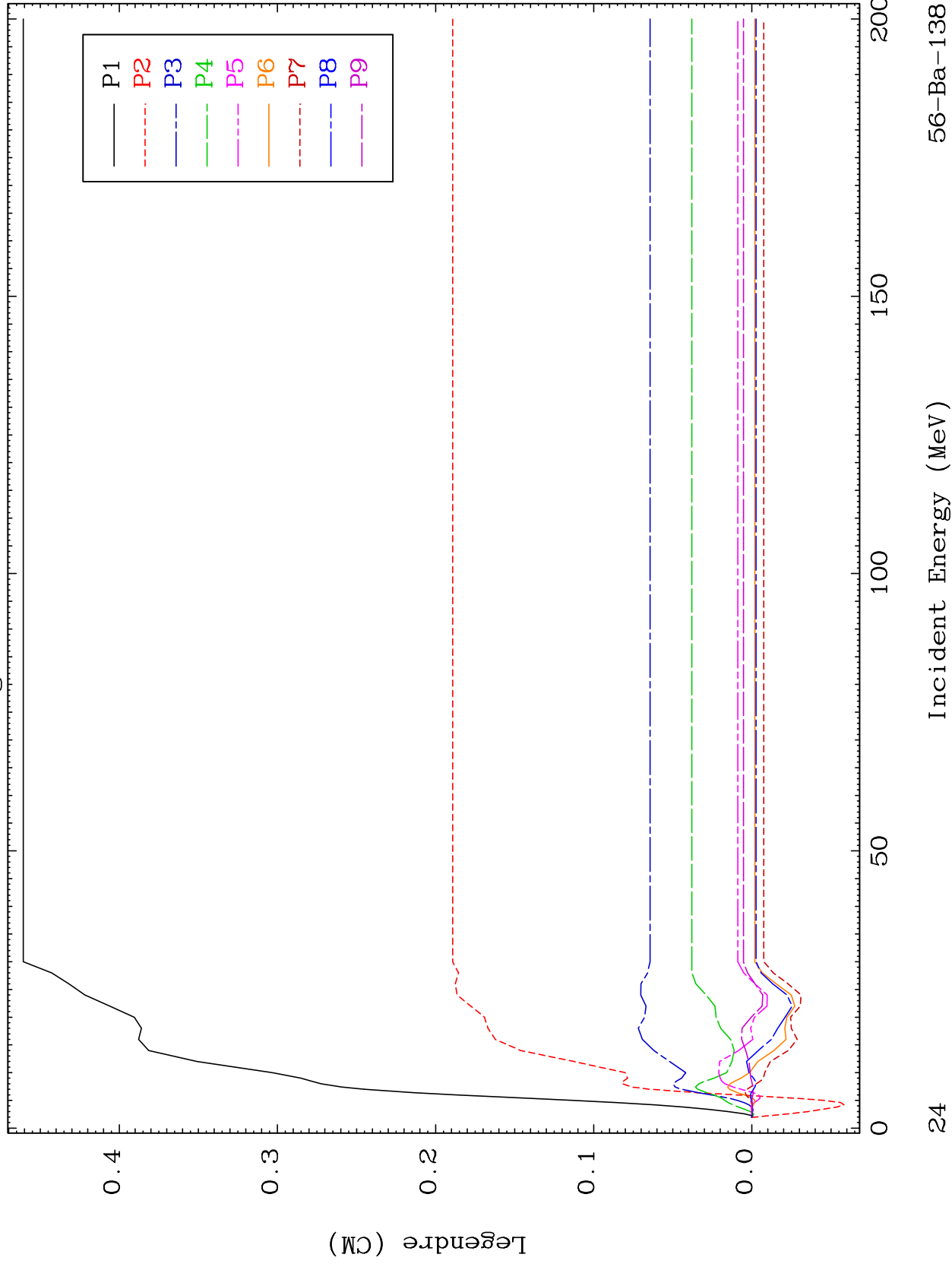
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



56-Ba-138

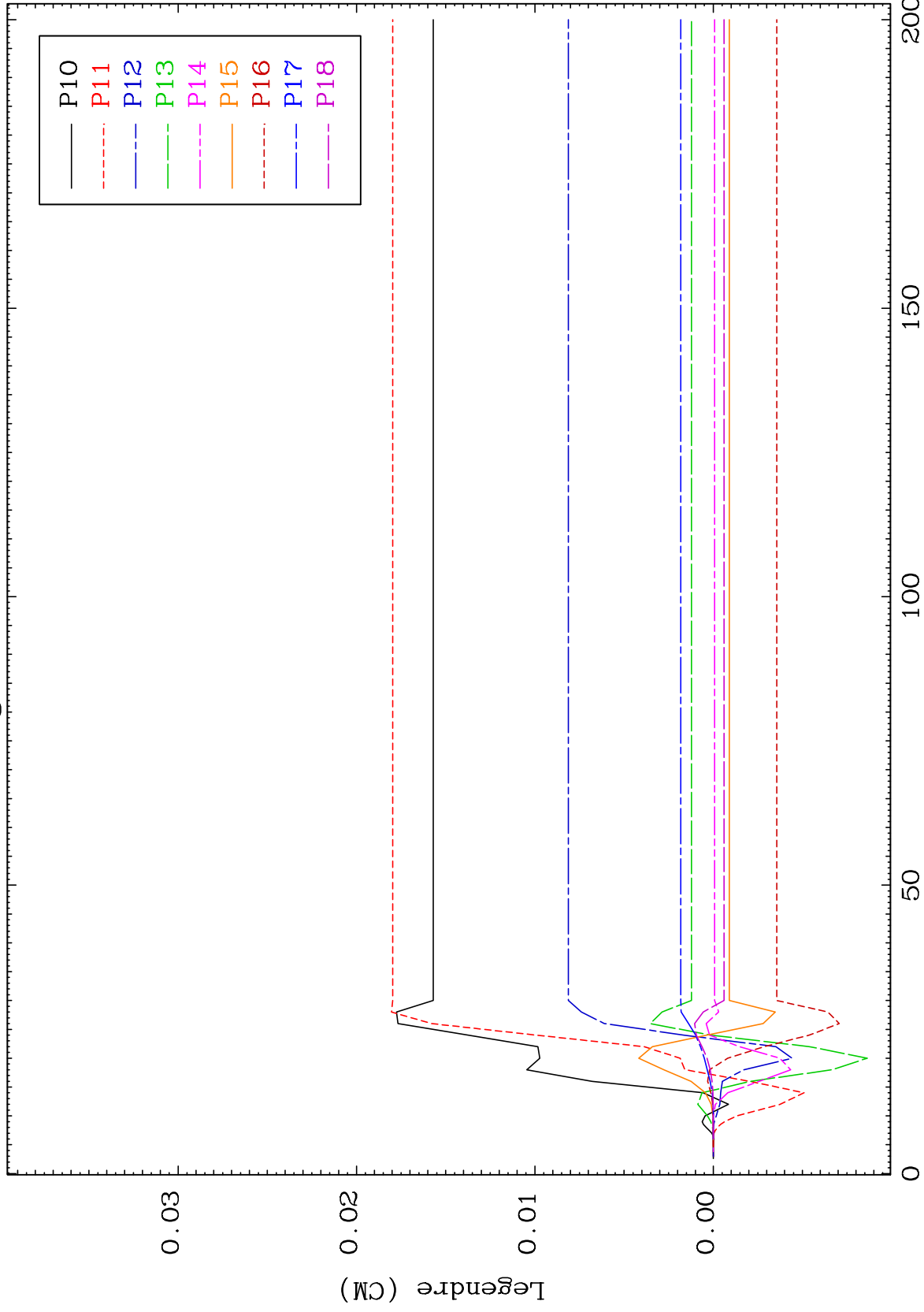
Incident Energy (MeV)

24

MAT 5649

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

56-Ba-138



25

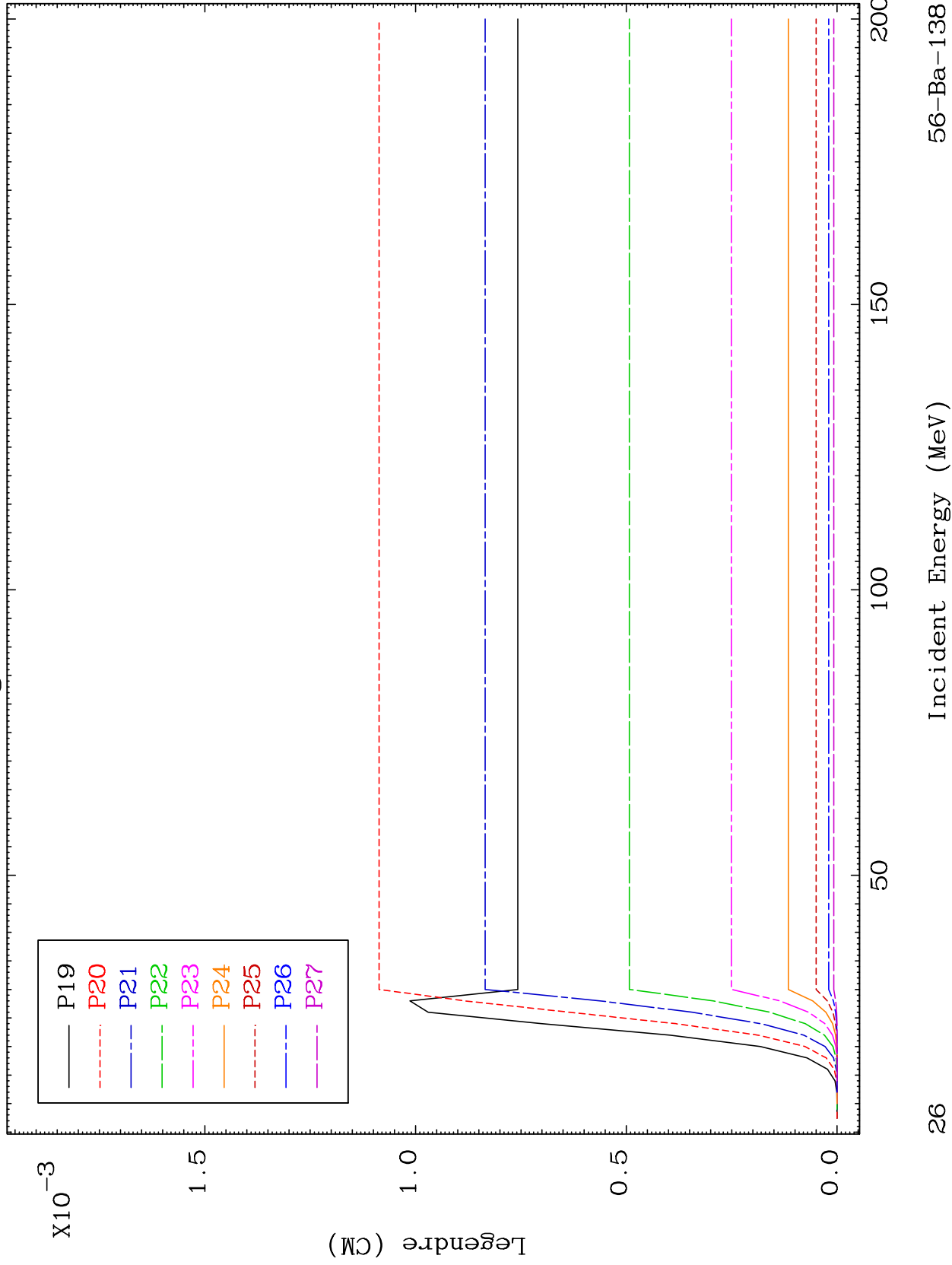
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138

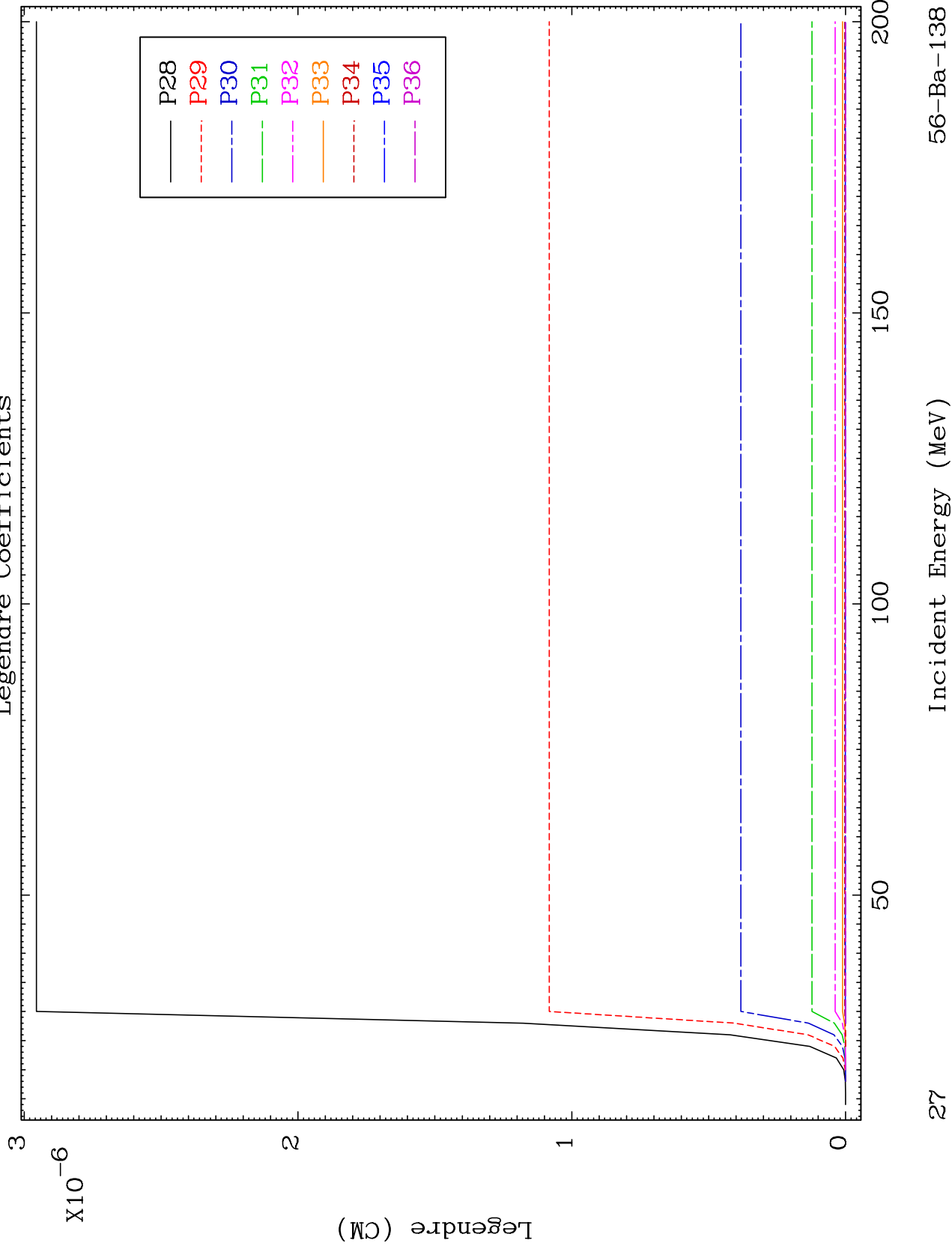


26

MAT 5649

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

56-Ba-138



27

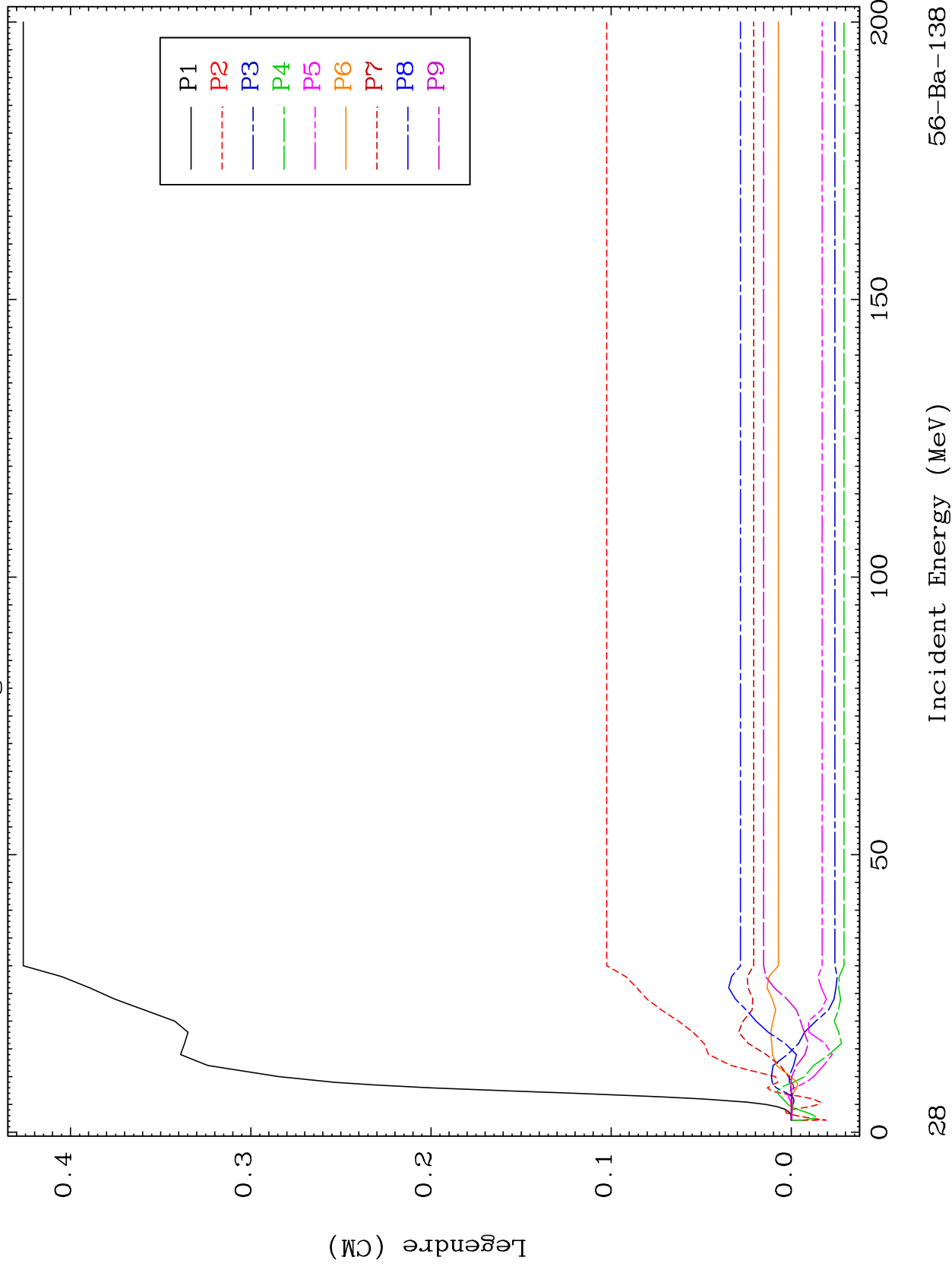
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



56-Ba-138

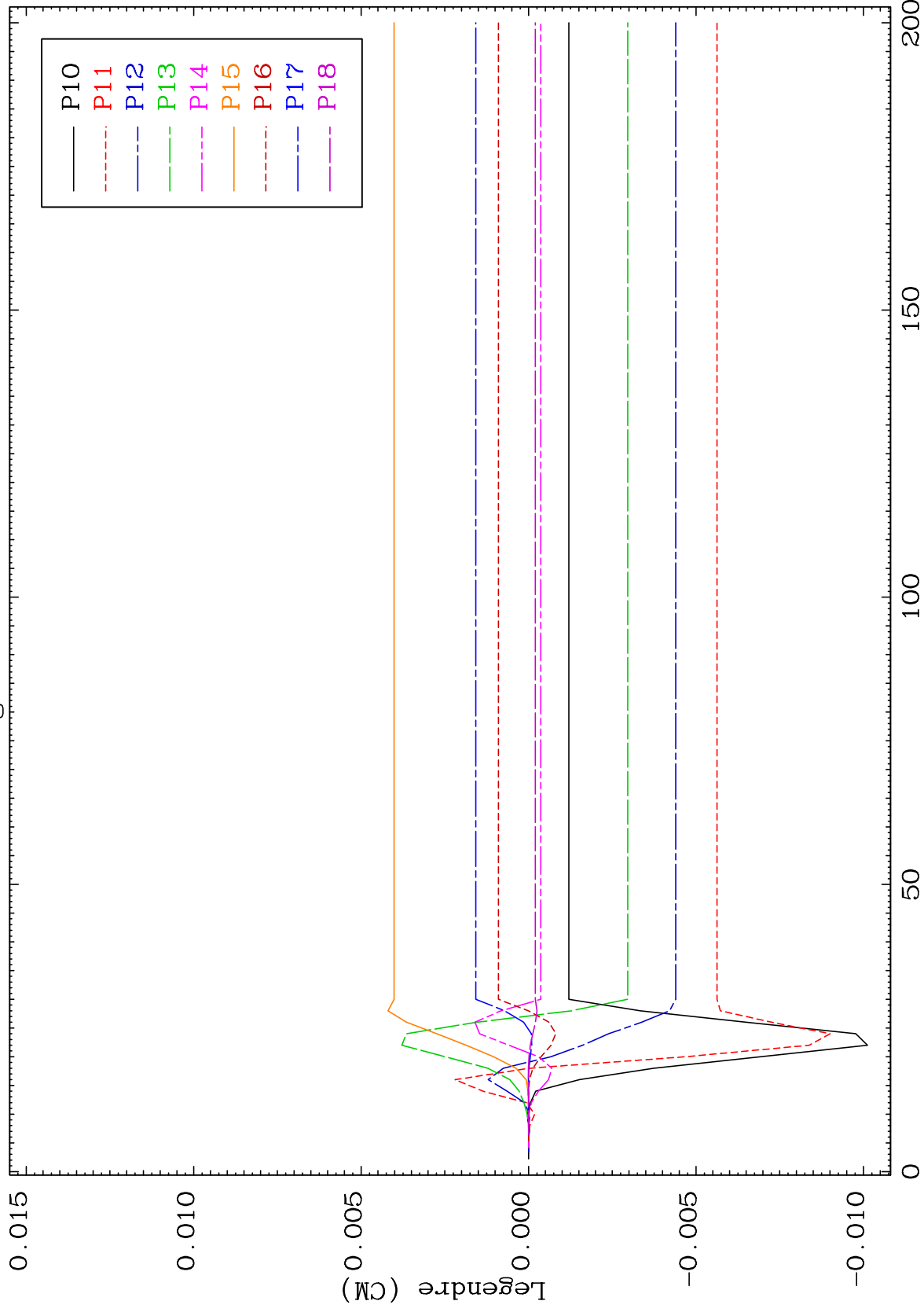
Incident Energy (MeV)

28

MAT 5649

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

56-Ba-138



29

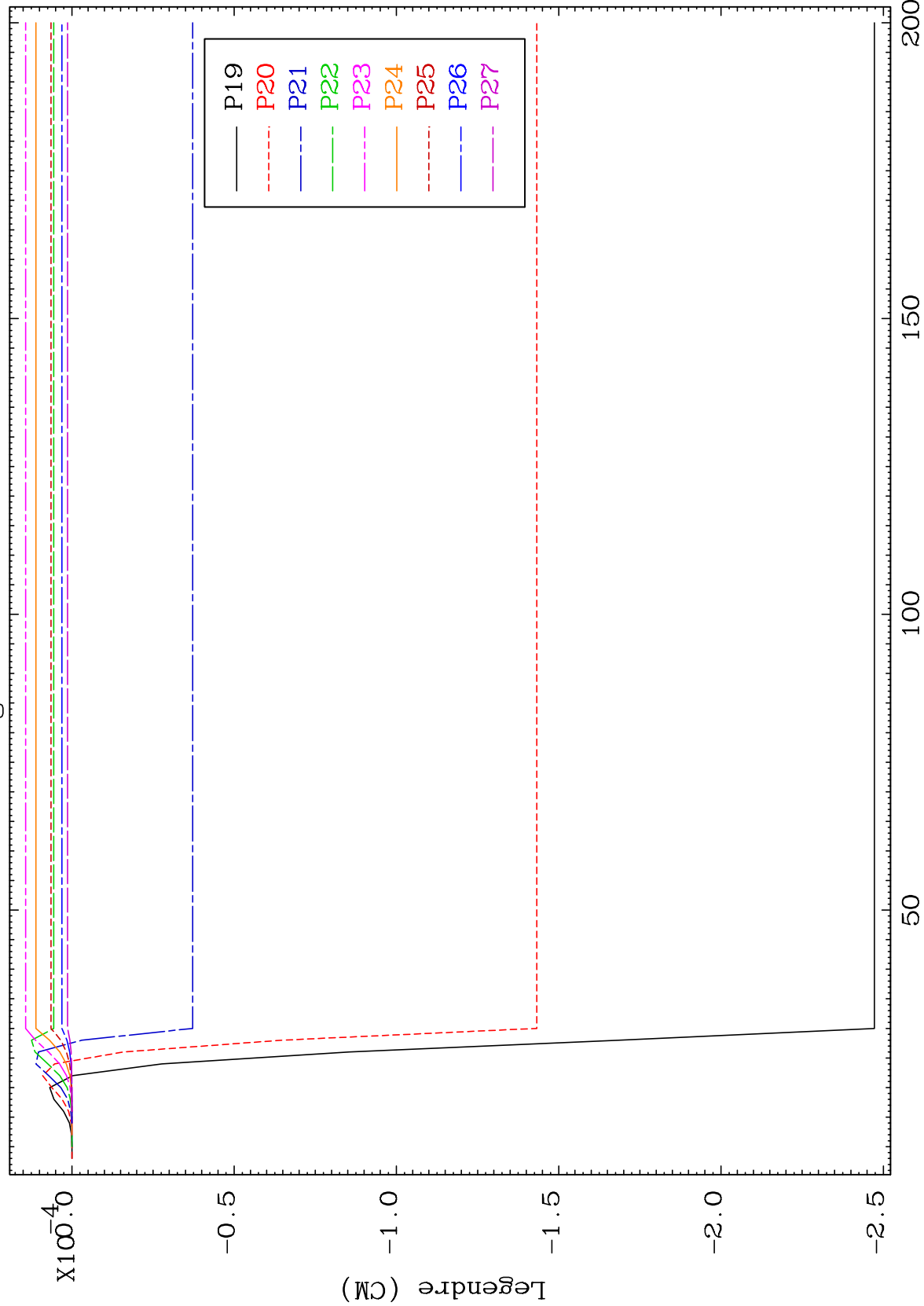
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



56-Ba-138

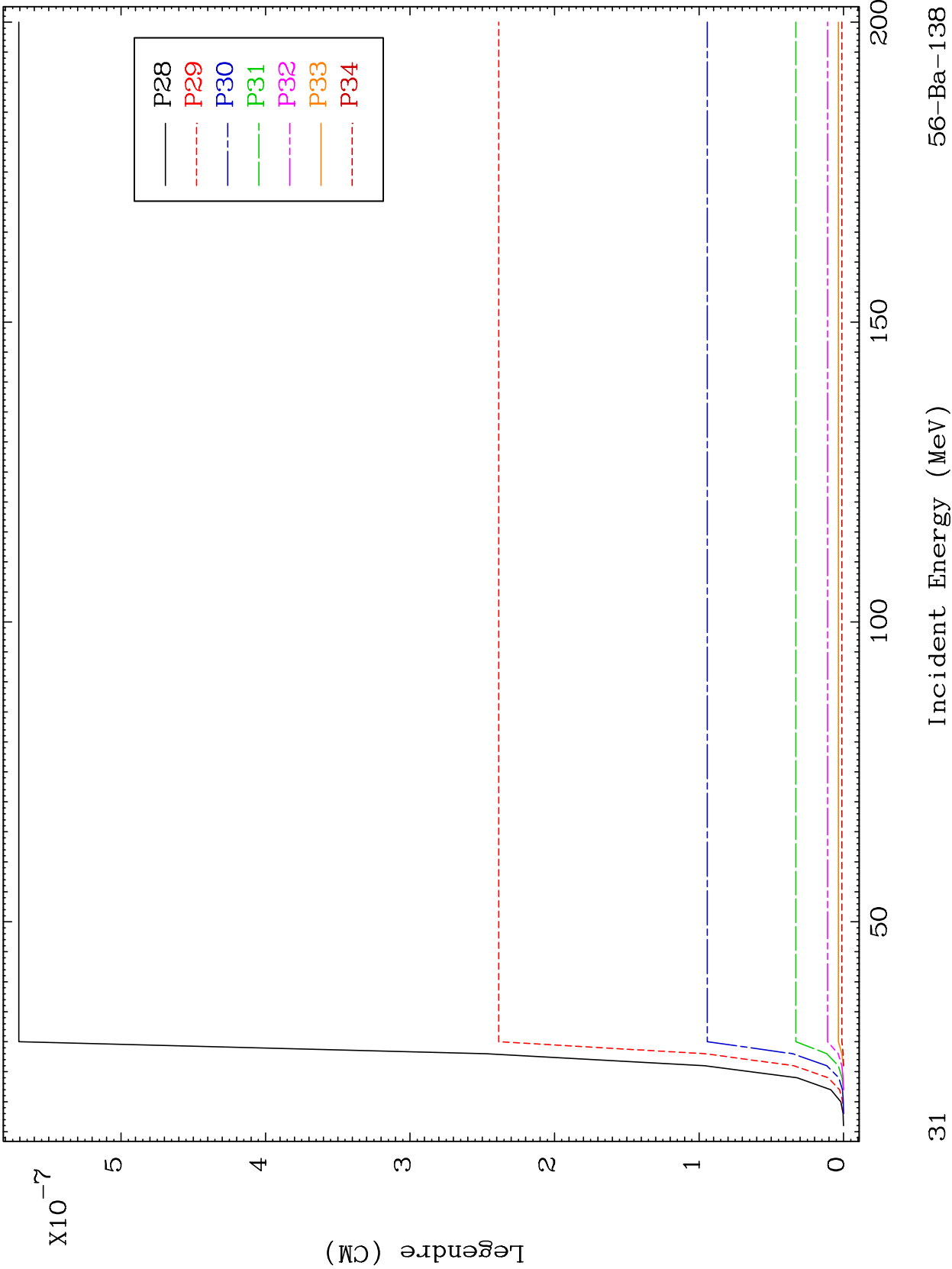
Incident Energy (MeV)

30

MAT 5649

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

56-Ba-138



31

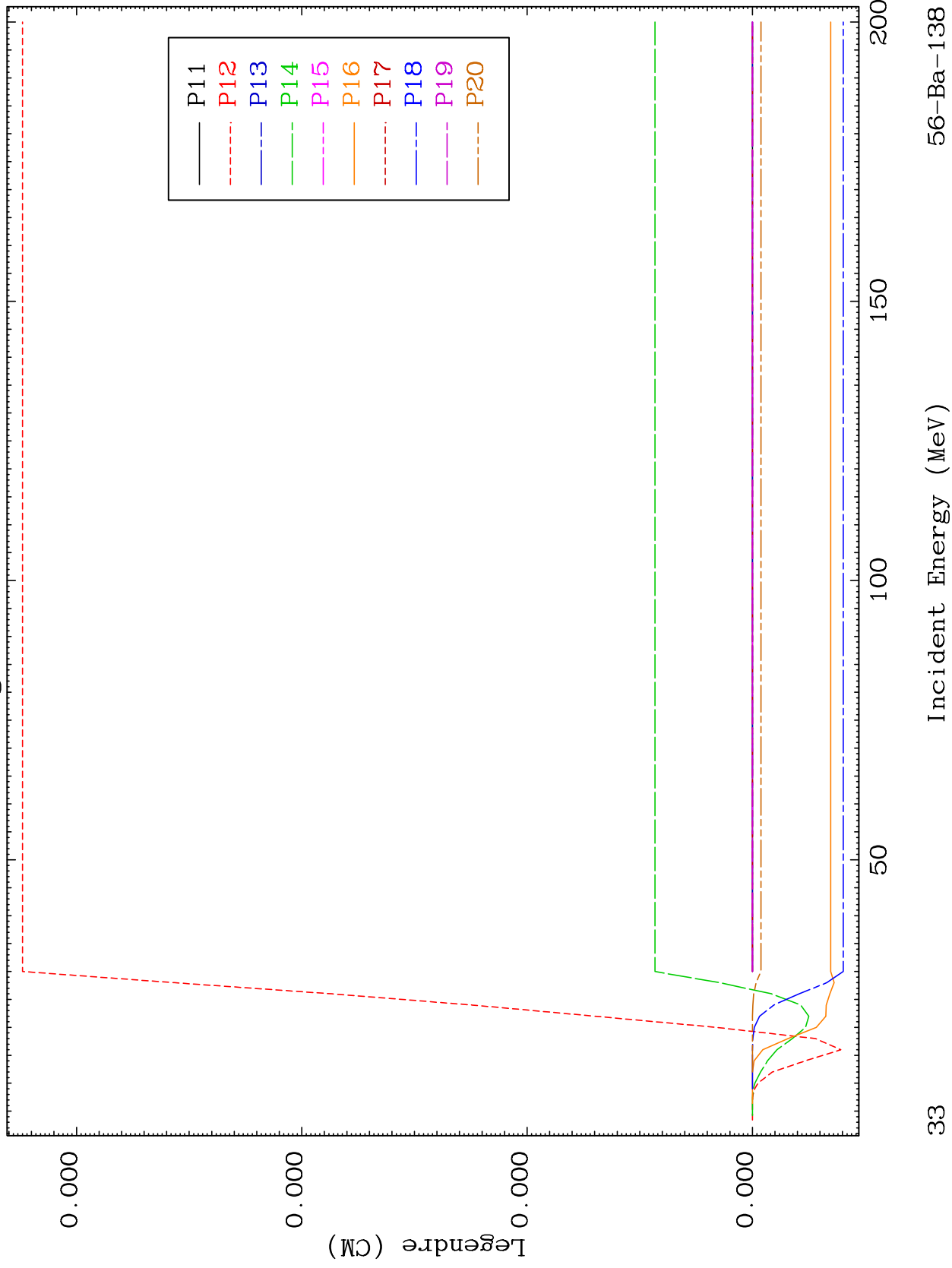
Incident Energy (MeV)

56-Ba-138

MAT 5649

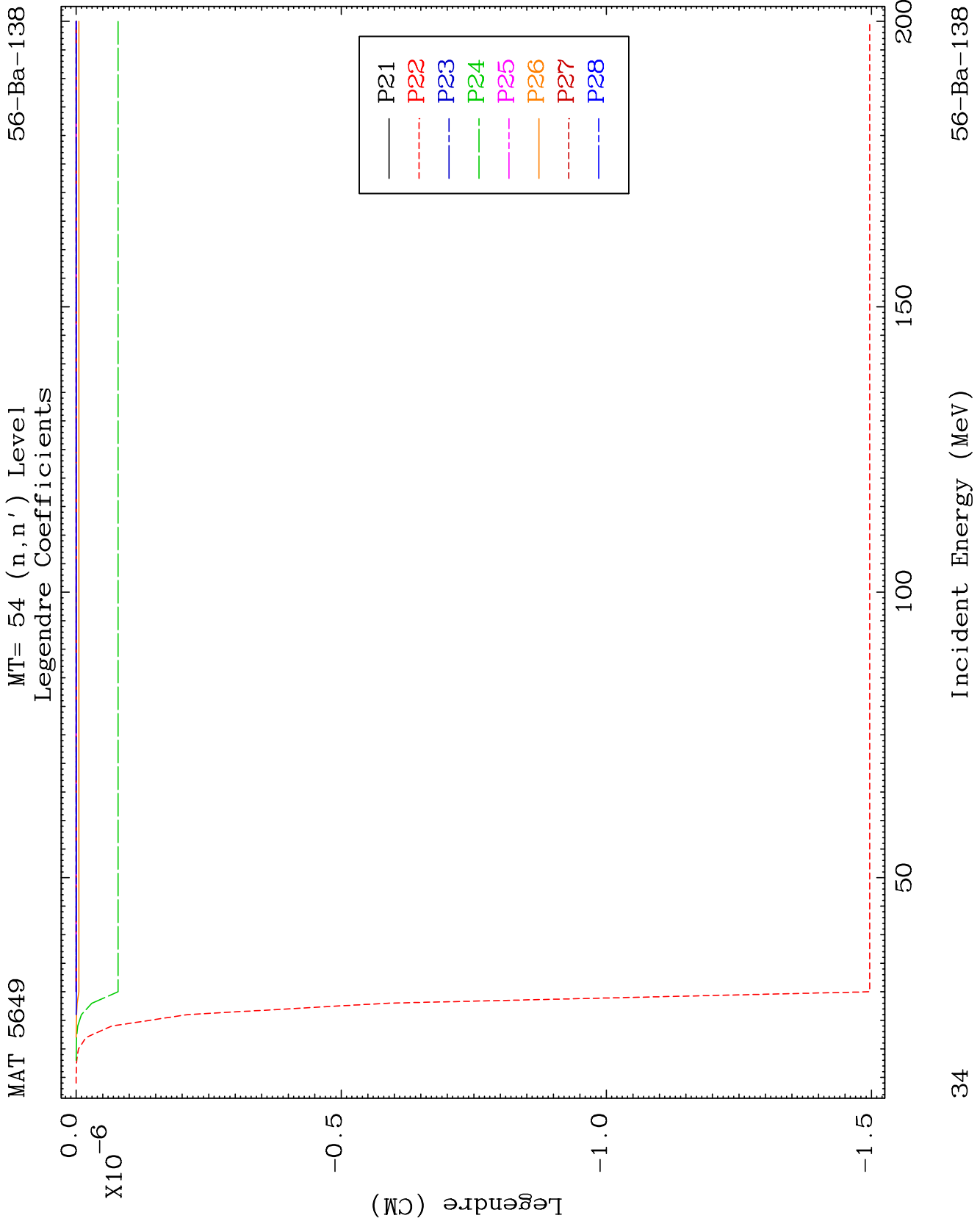
MT= 54 (n,n') Level
Legendre Coefficients

56-Ba-138



33

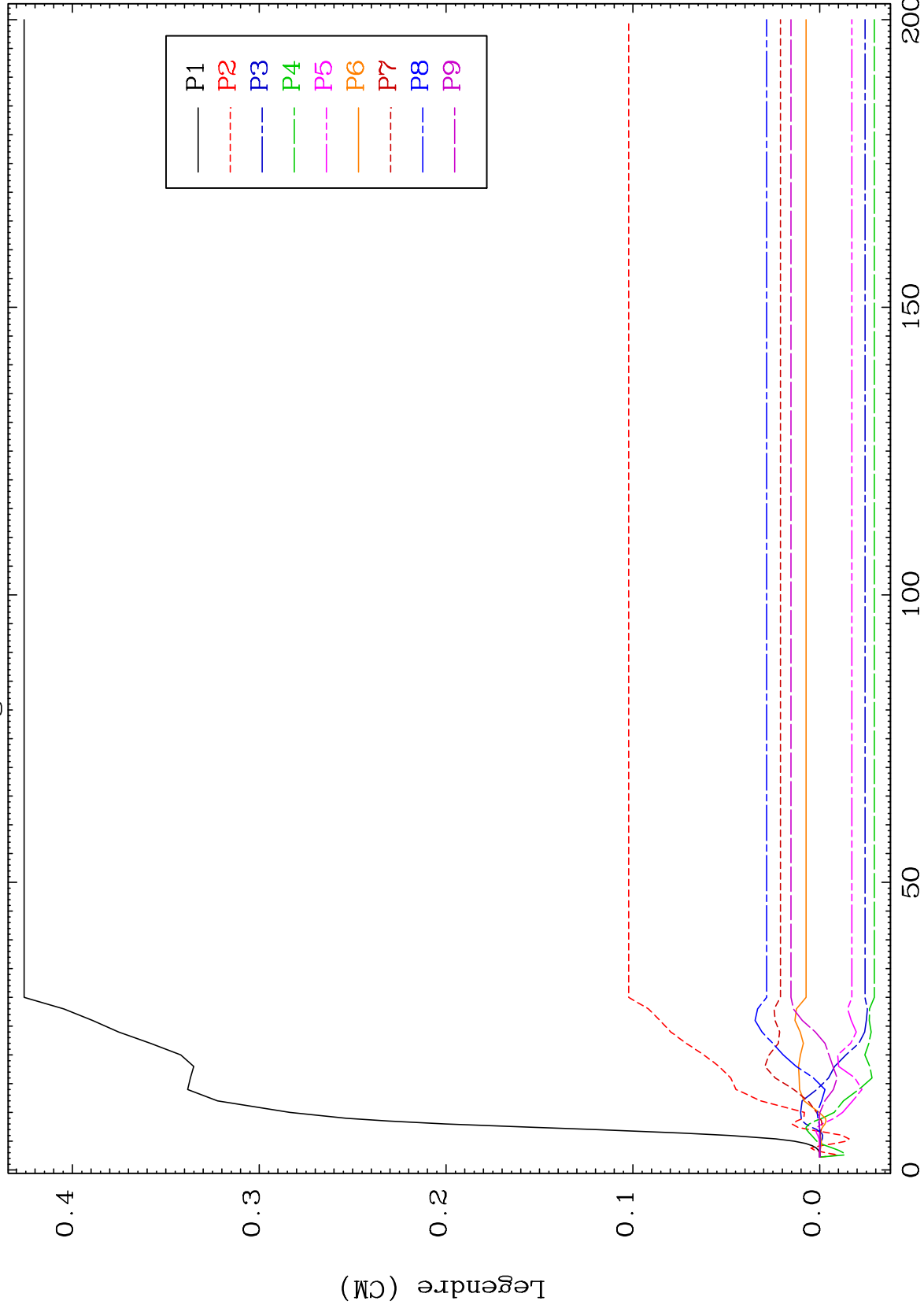
56-Ba-138



MAT 5649

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

56-Ba-138



56-Ba-138

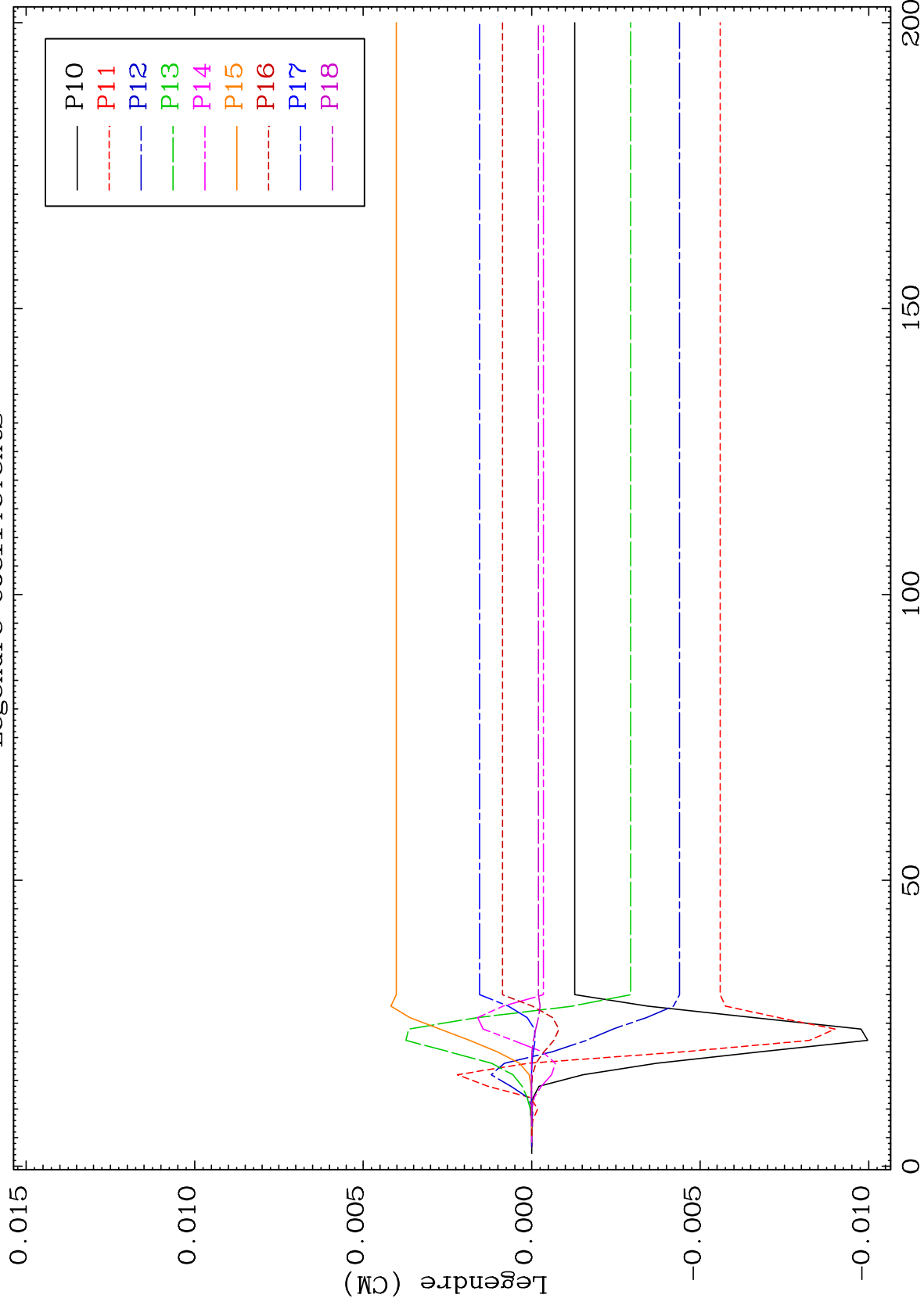
Incident Energy (MeV)

35

MAT 5649

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

56-Ba-138



36

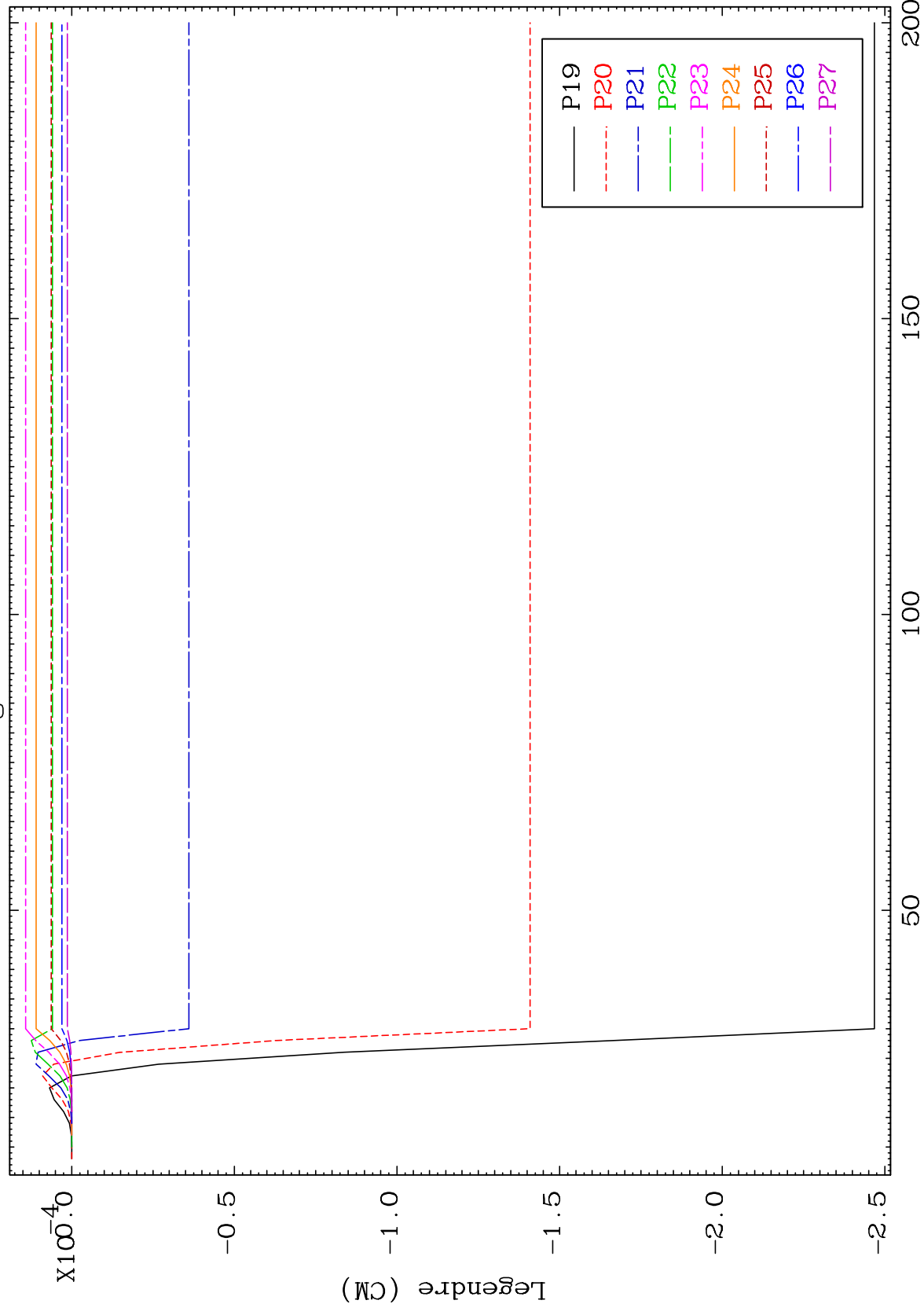
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

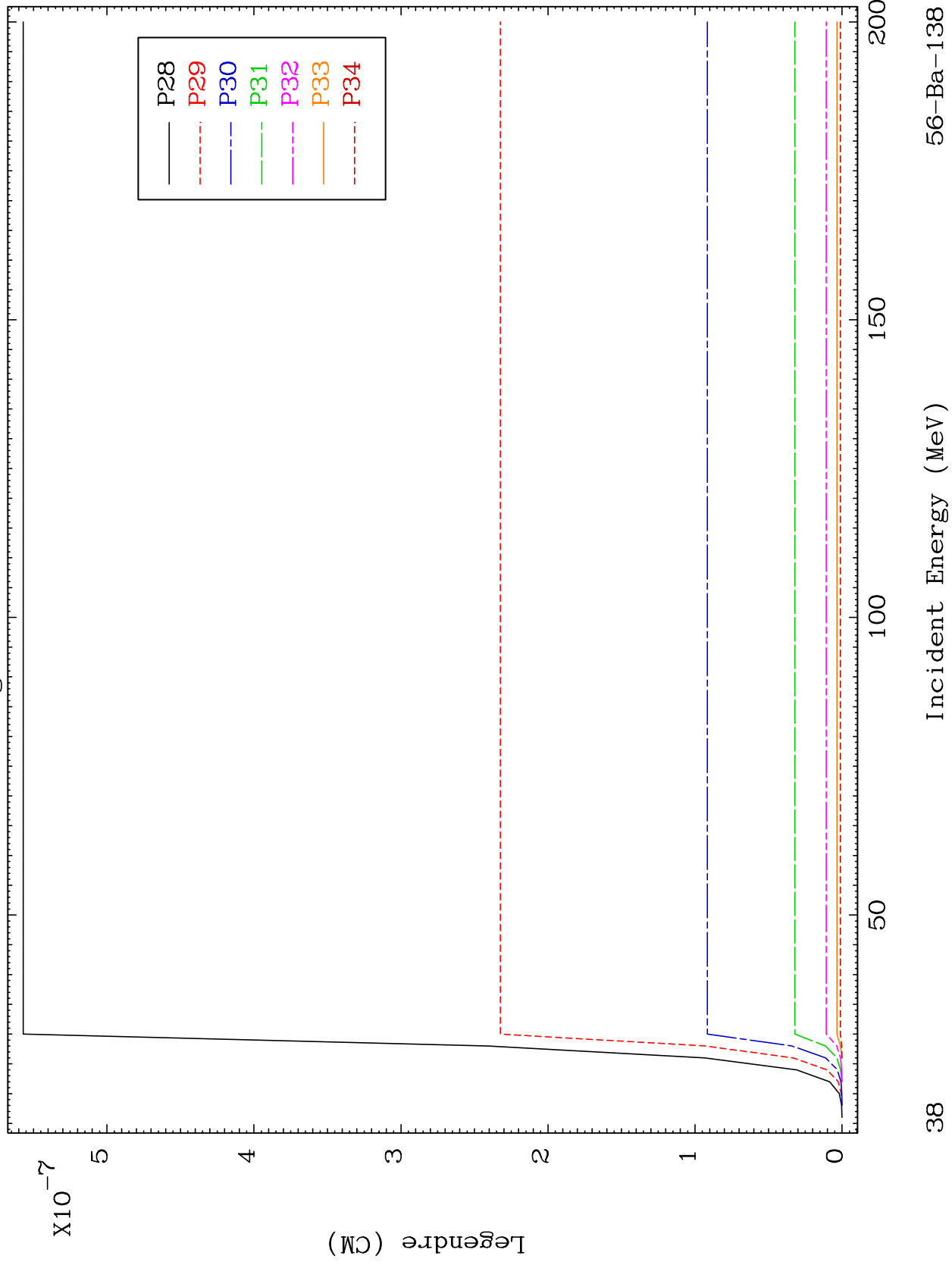
56-Ba-138

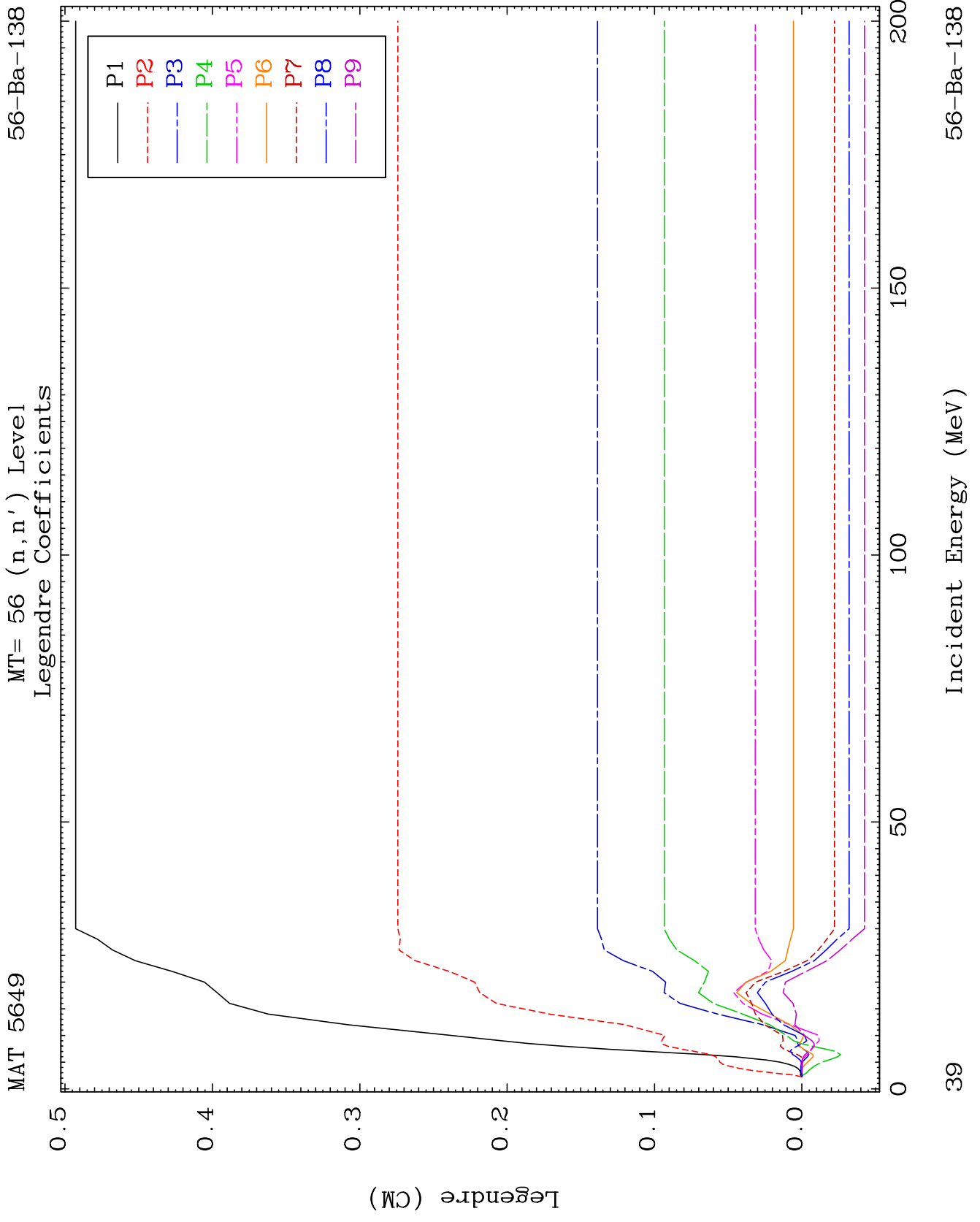


MAT 5649

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

56-Ba-138

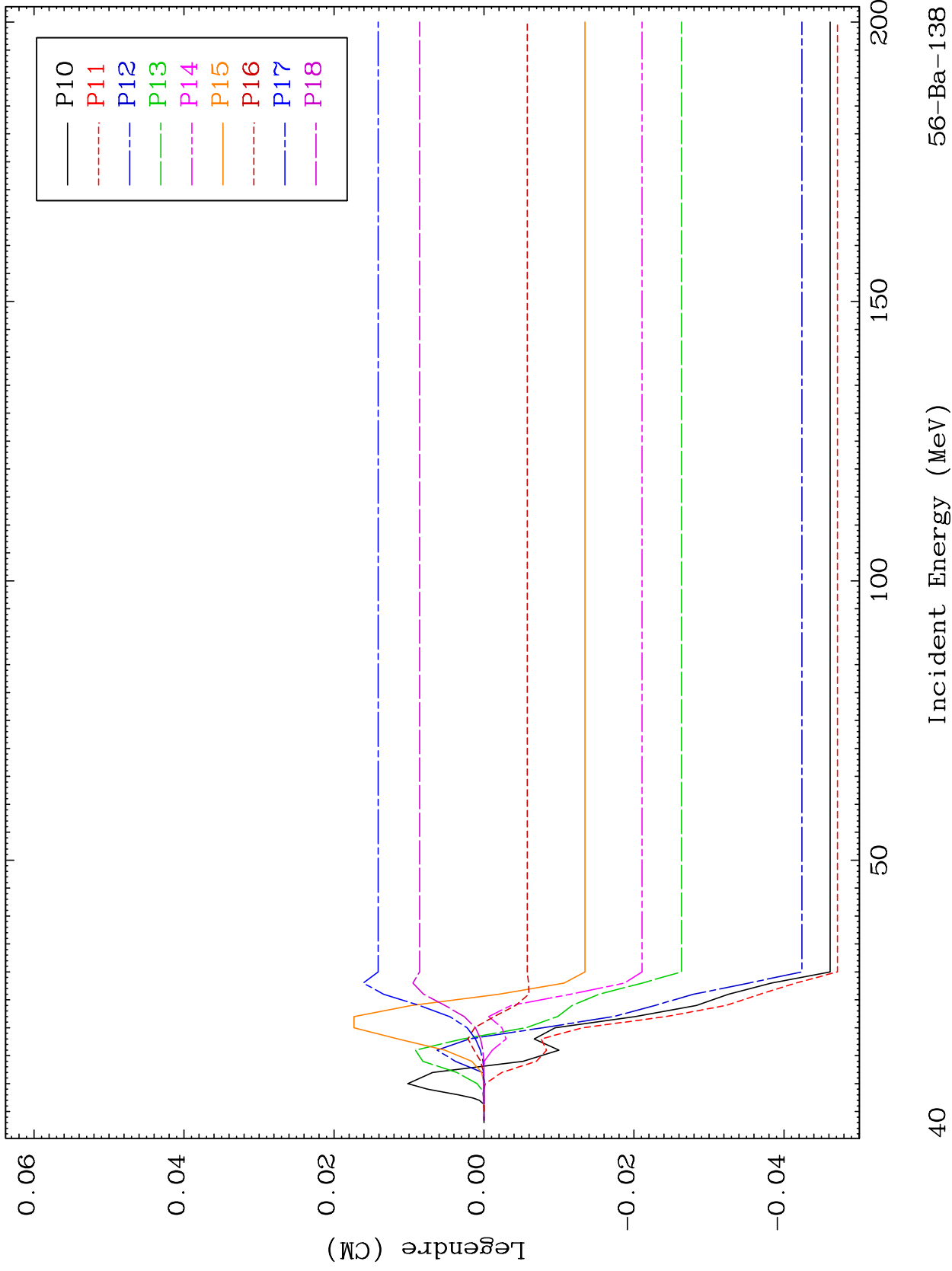




MAT 5649

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

56-Ba-138



56-Ba-138

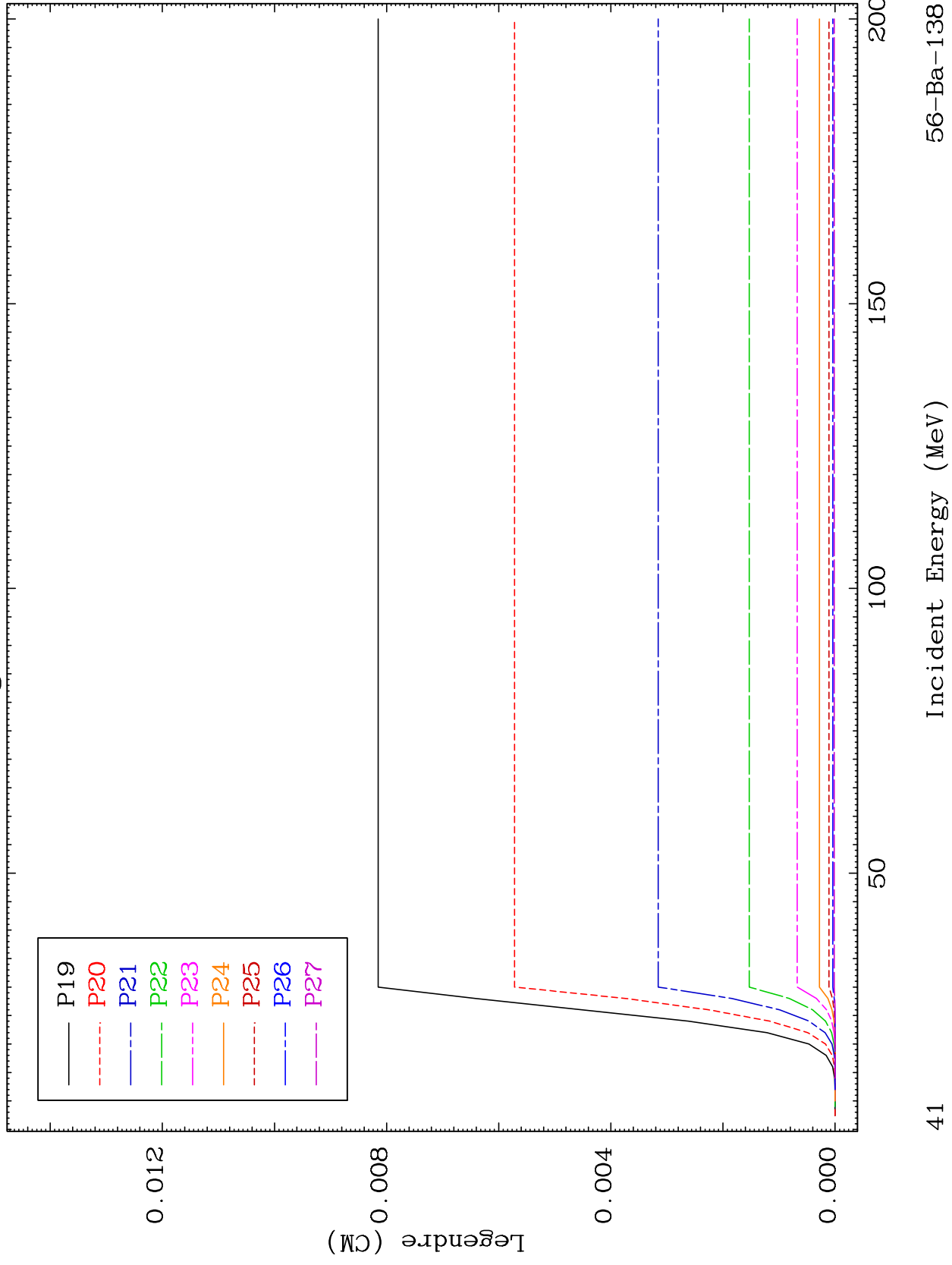
Incident Energy (MeV)

40

MAT 5649

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

56-Ba-138



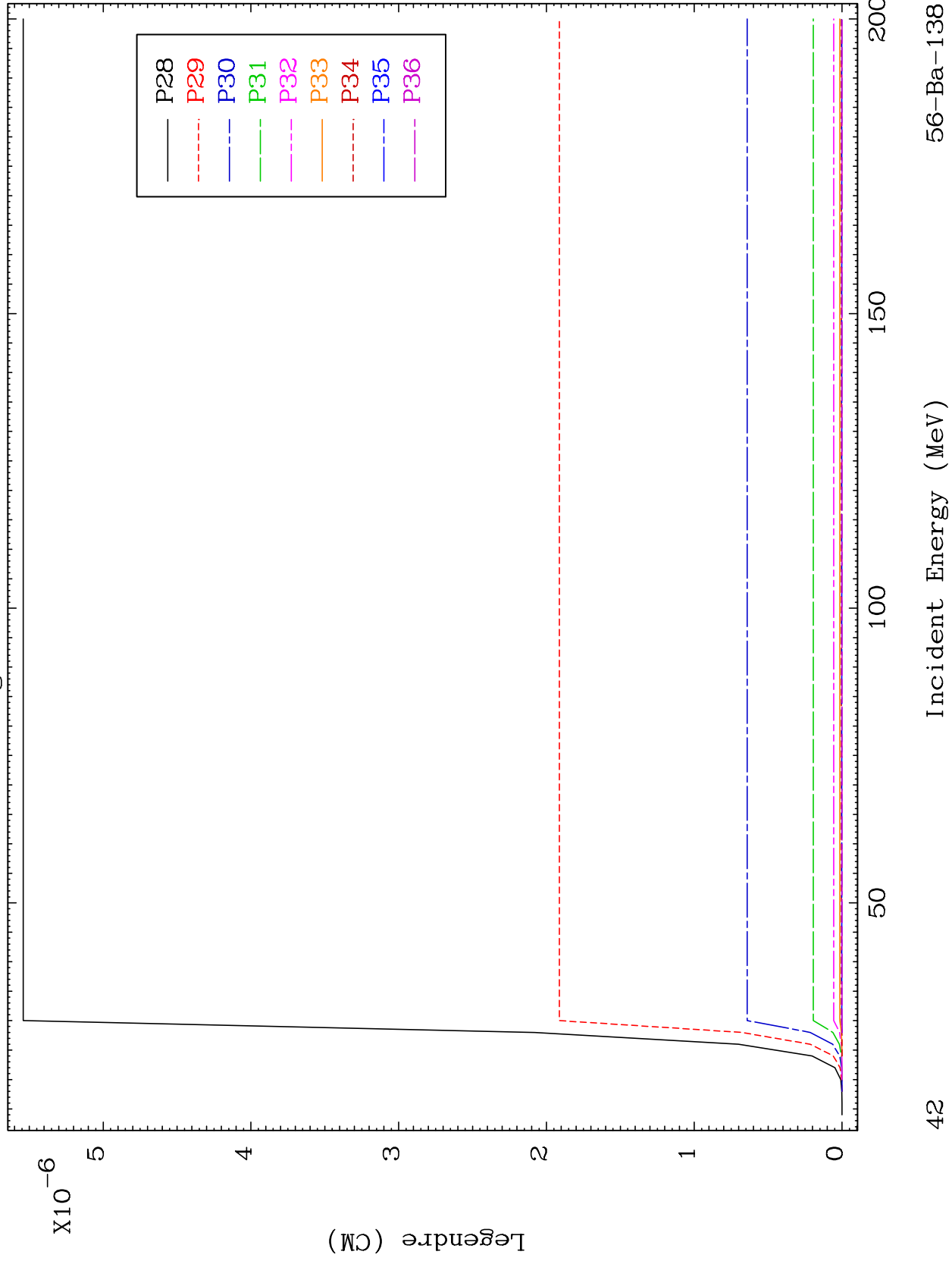
41

56-Ba-138

MAT 5649

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

56-Ba-138



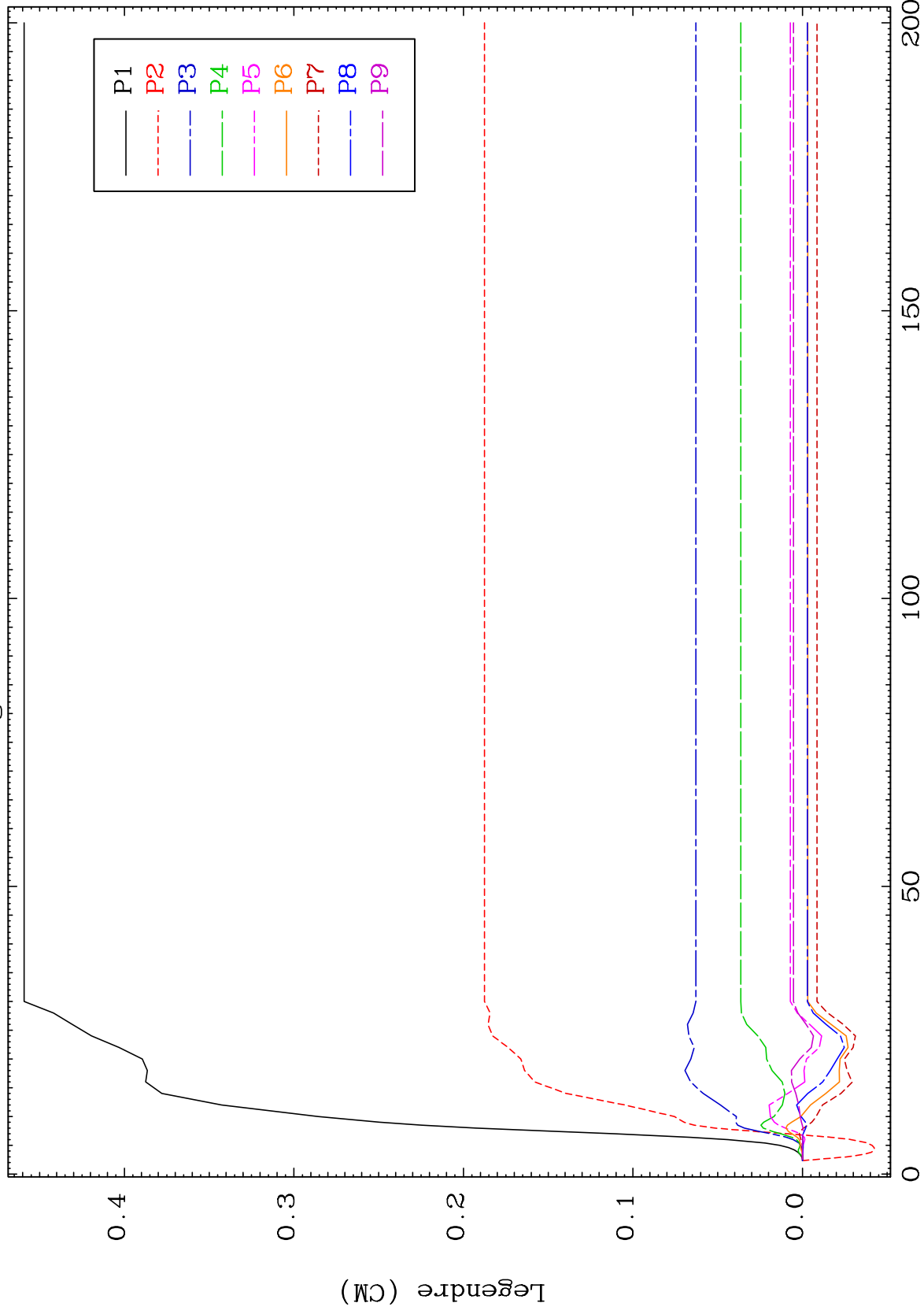
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56-Ba-138

MAT 5649

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

56-Ba-138



43

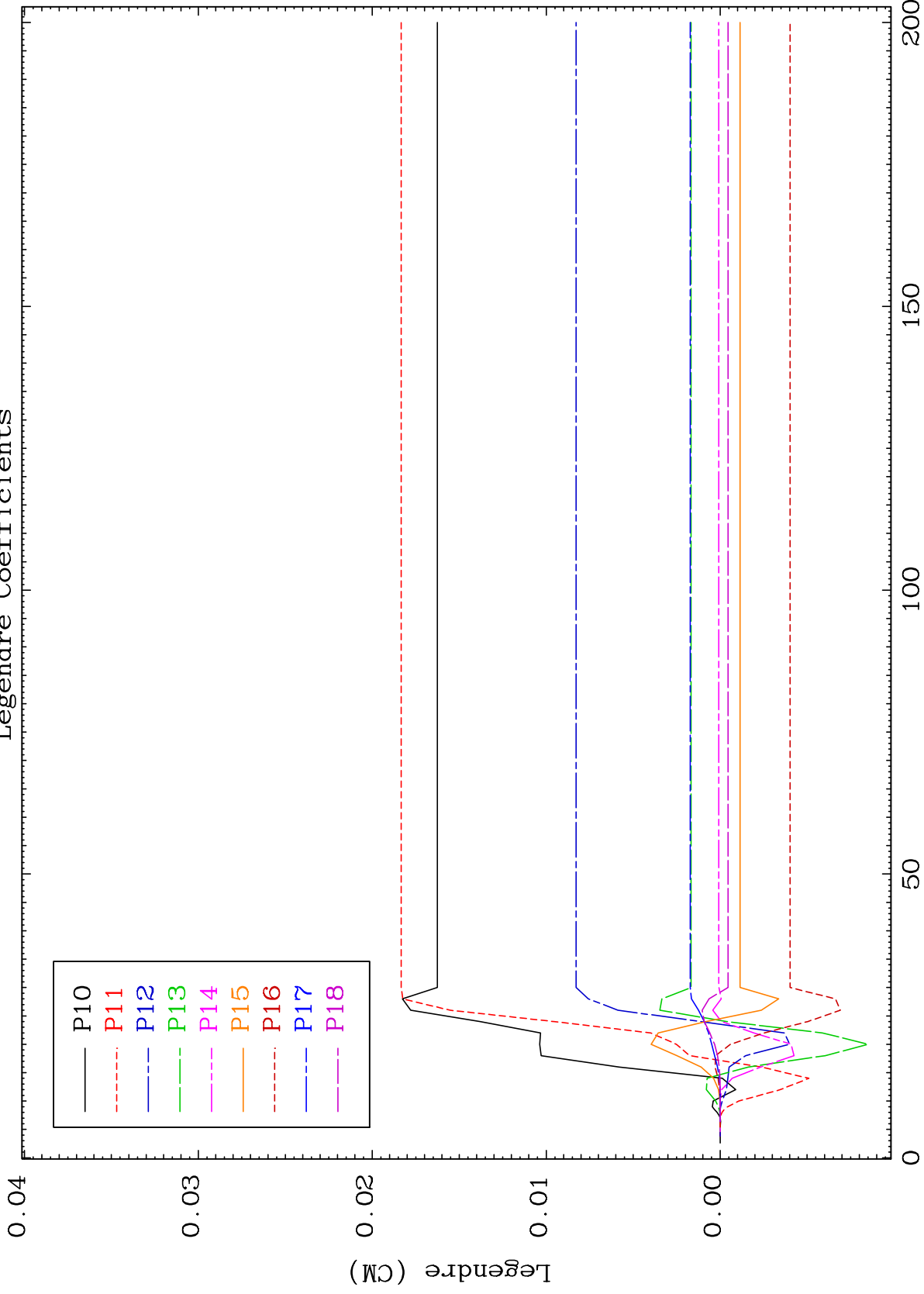
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



44

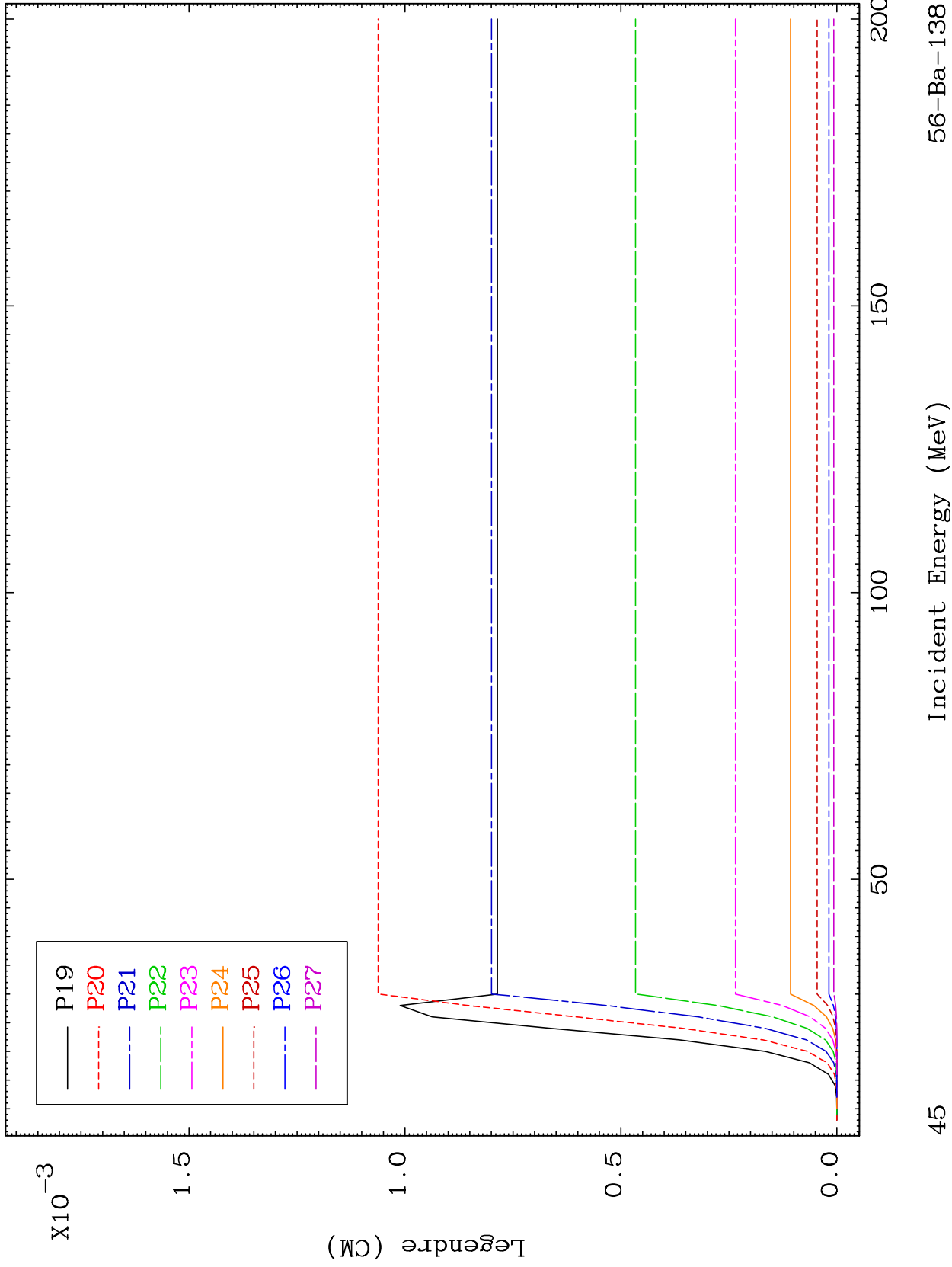
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



45

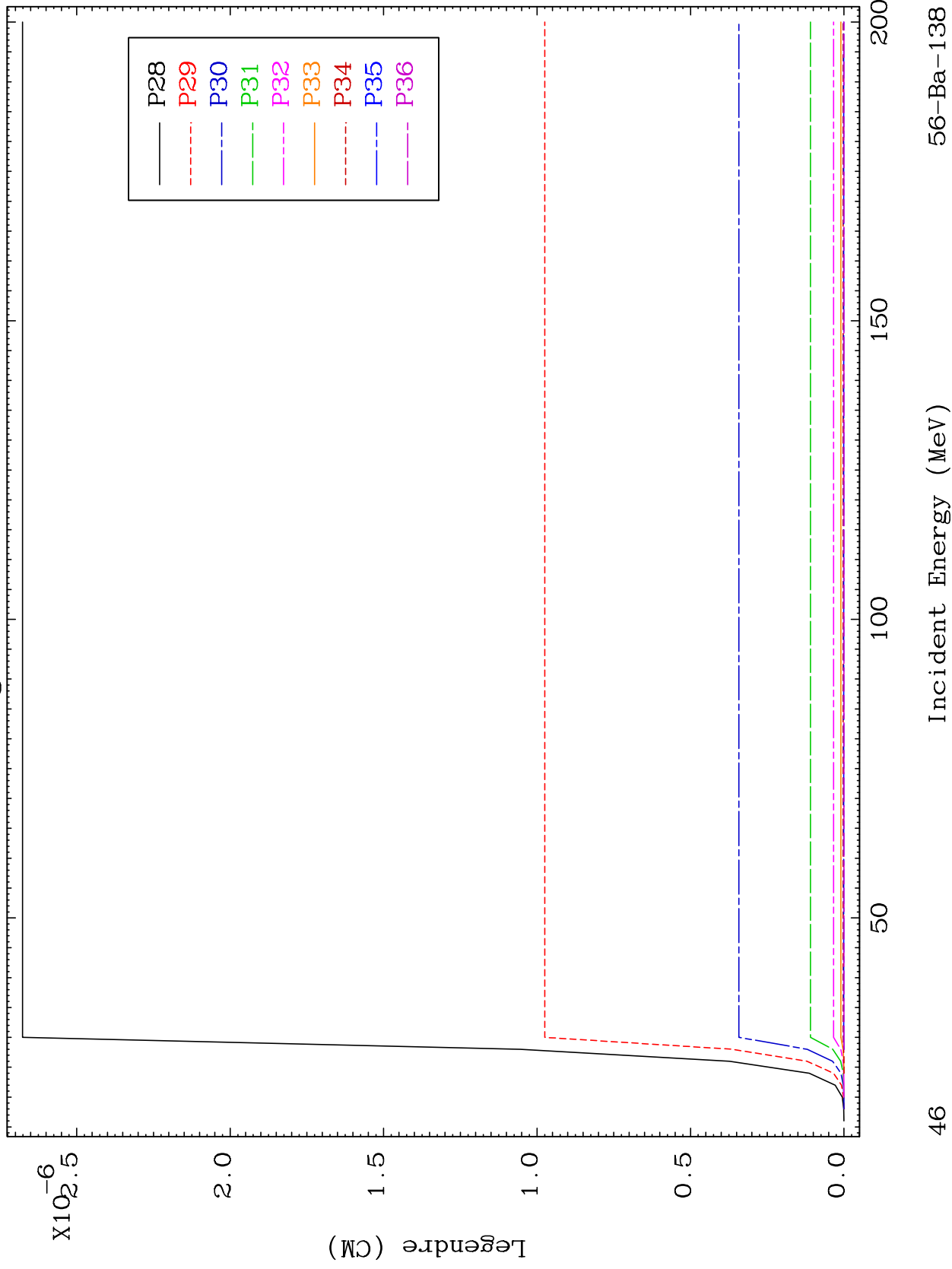
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



46

Incident Energy (MeV)

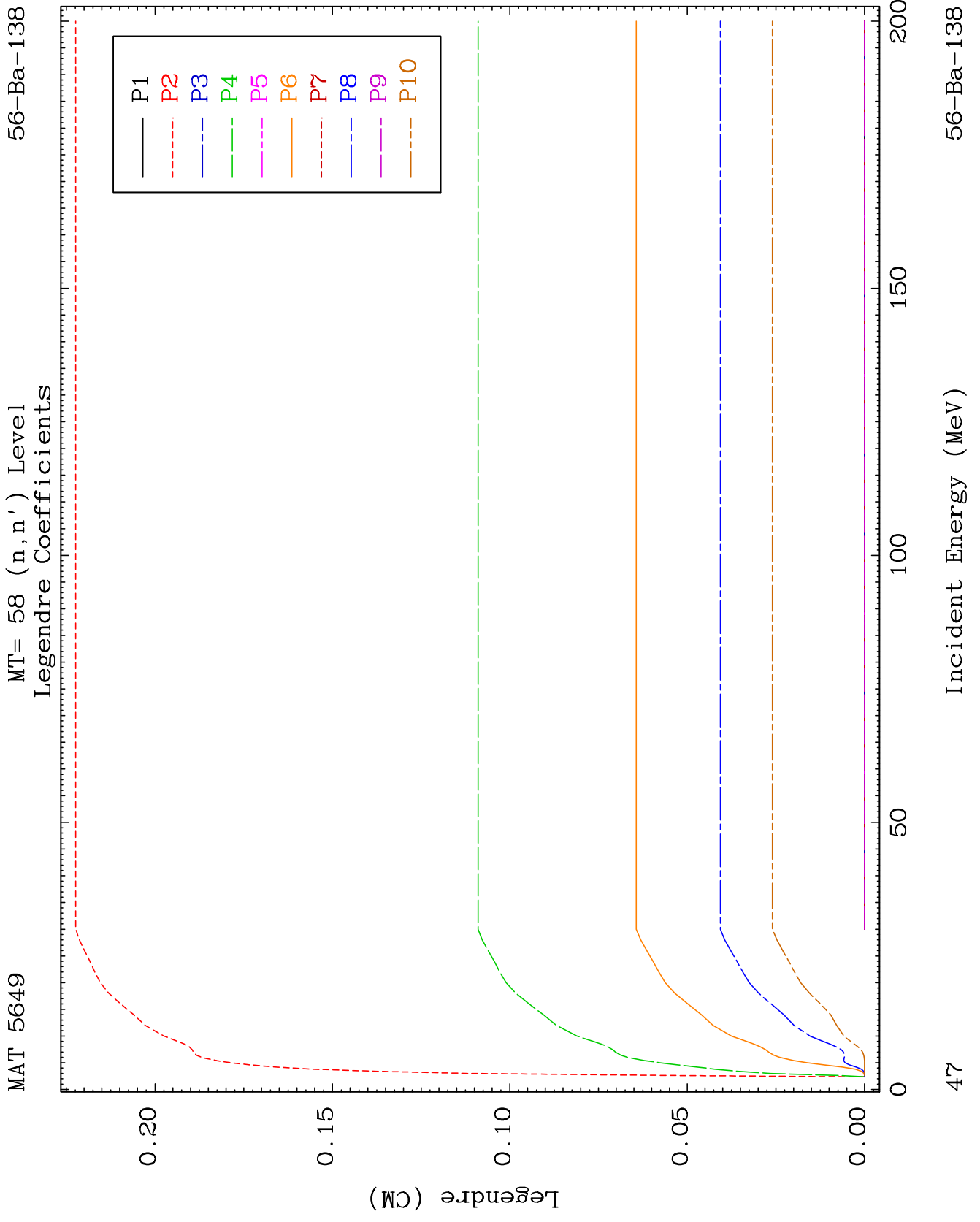
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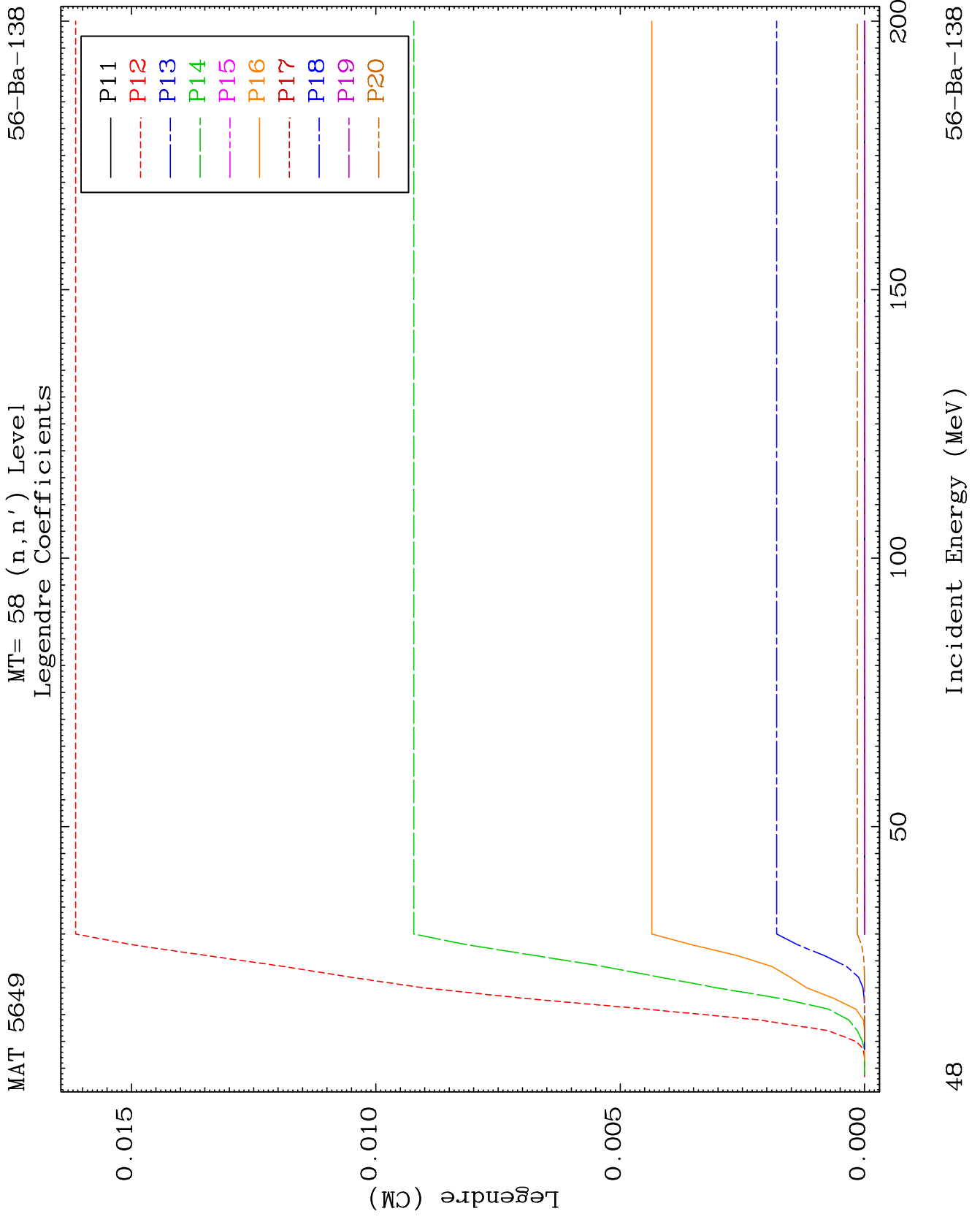
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150

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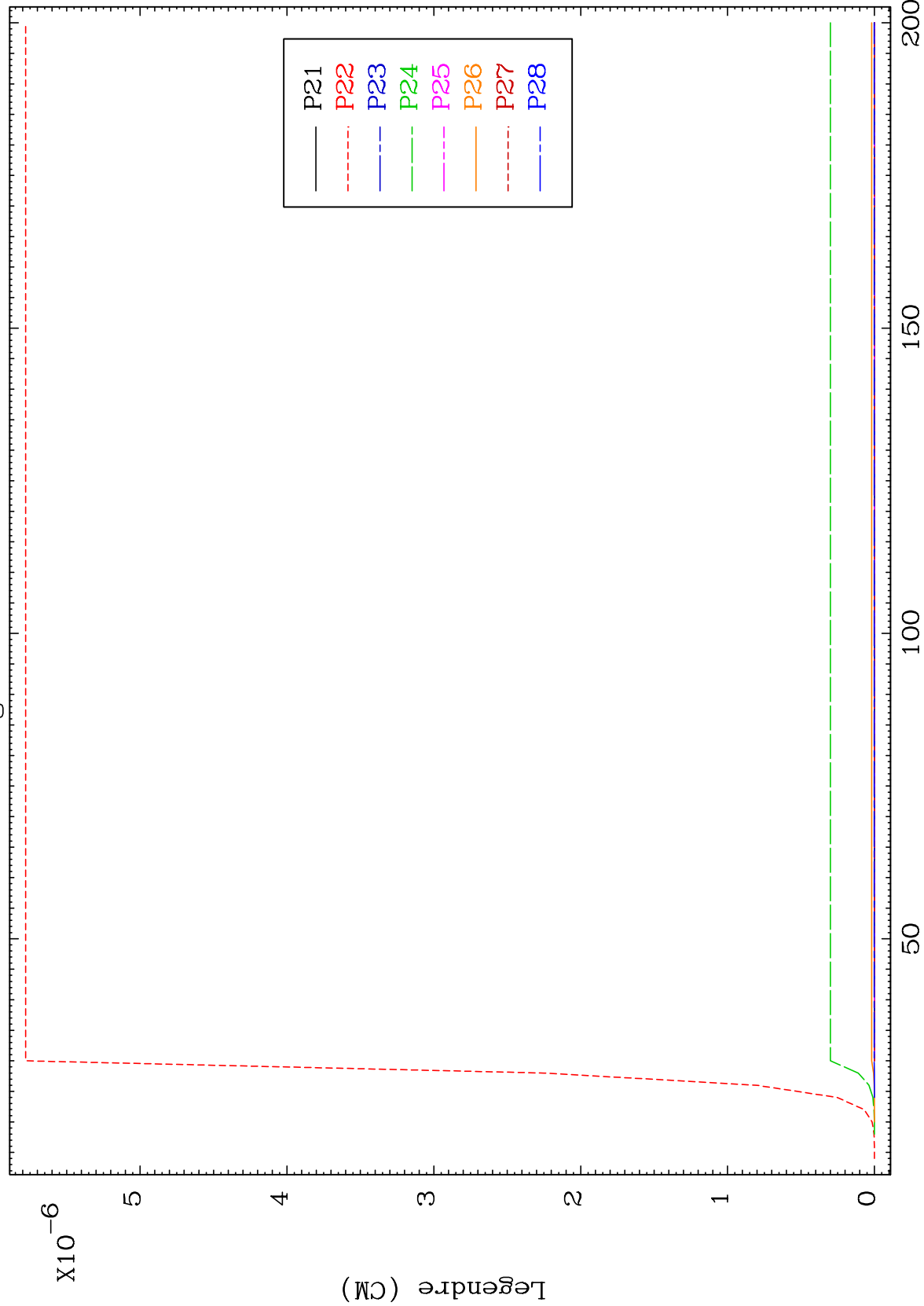




MAT 5649

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

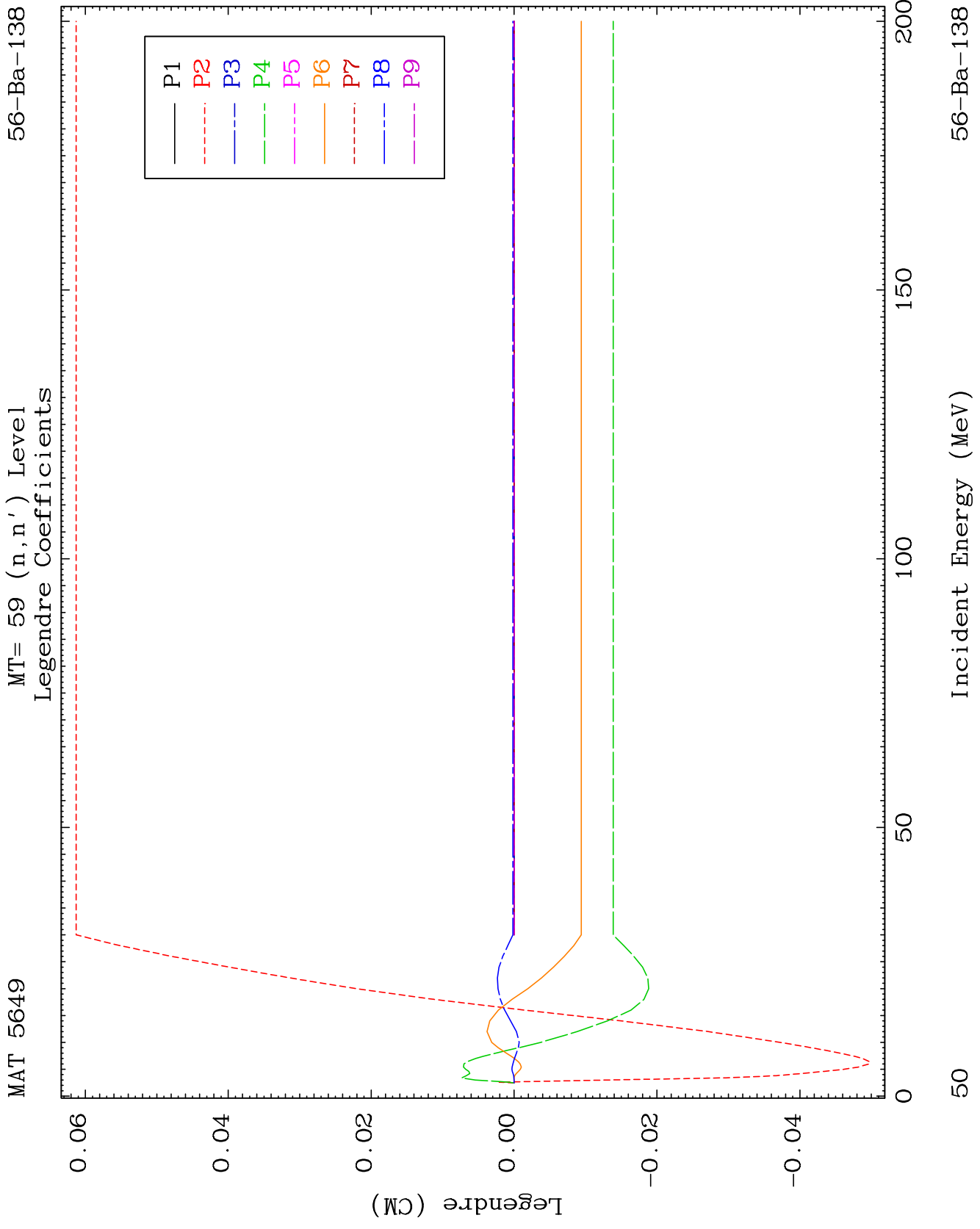
56-Ba-138



56-Ba-138

Incident Energy (MeV)

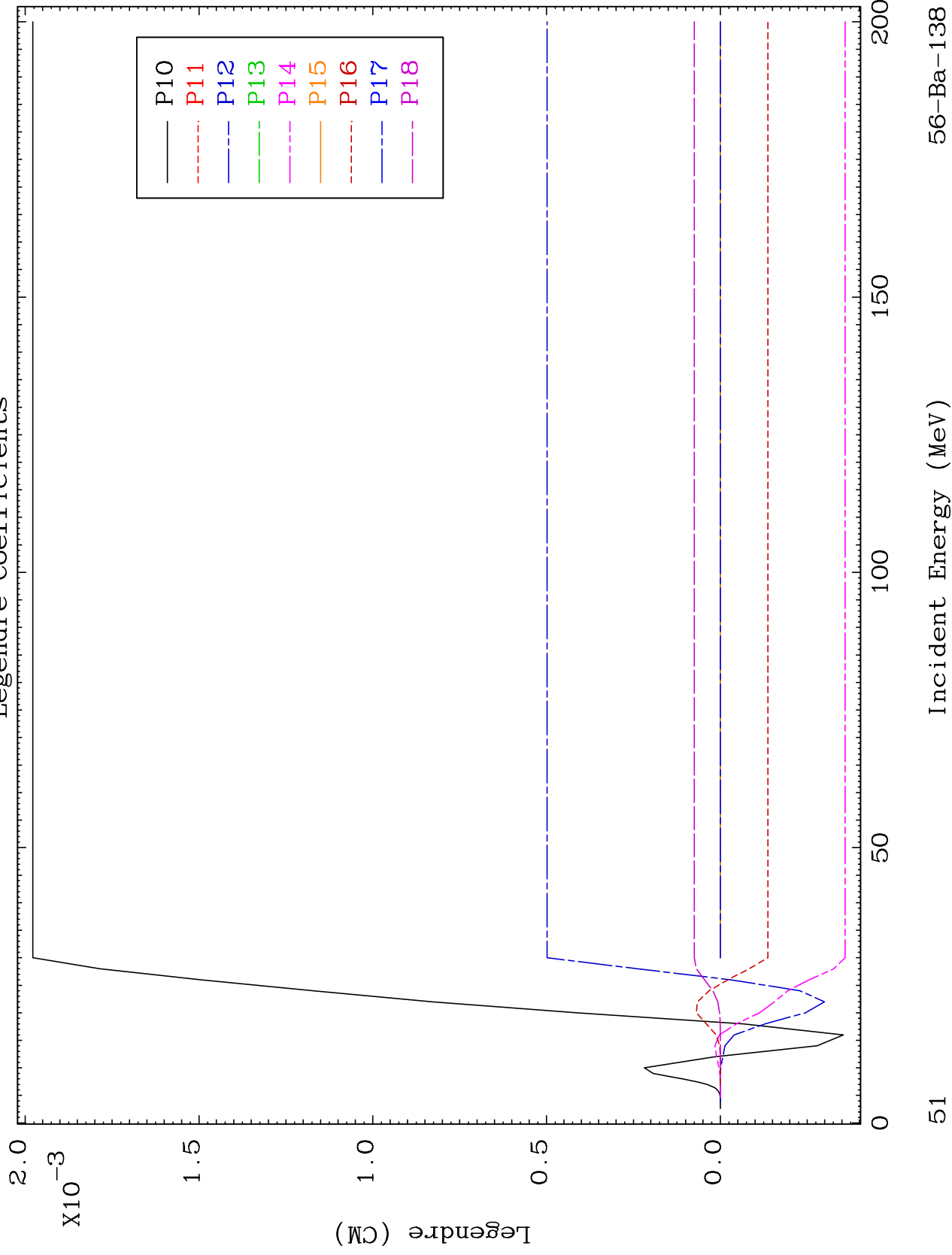
49



MAT 5649

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

56-Ba-138



51

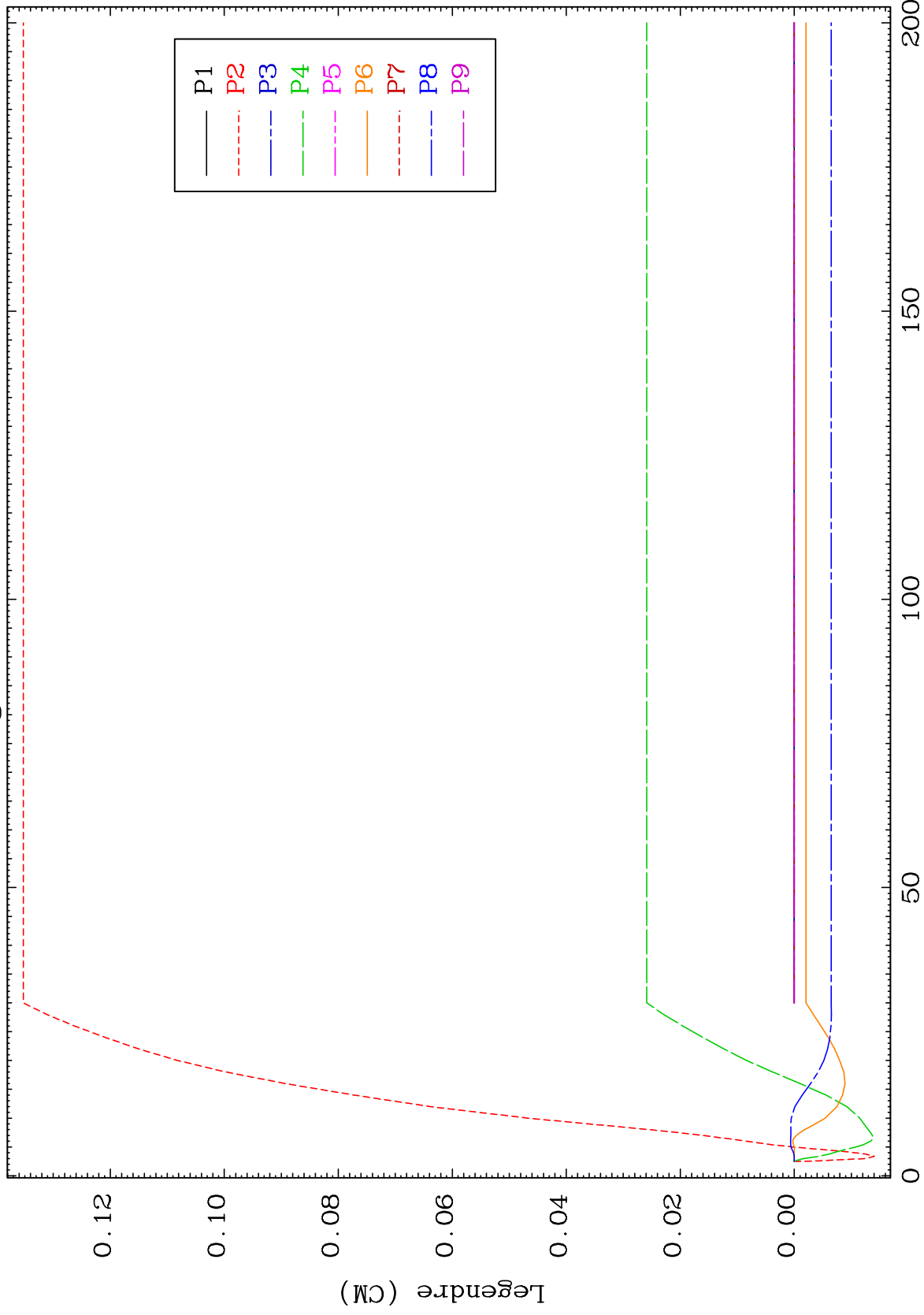
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



56-Ba-138

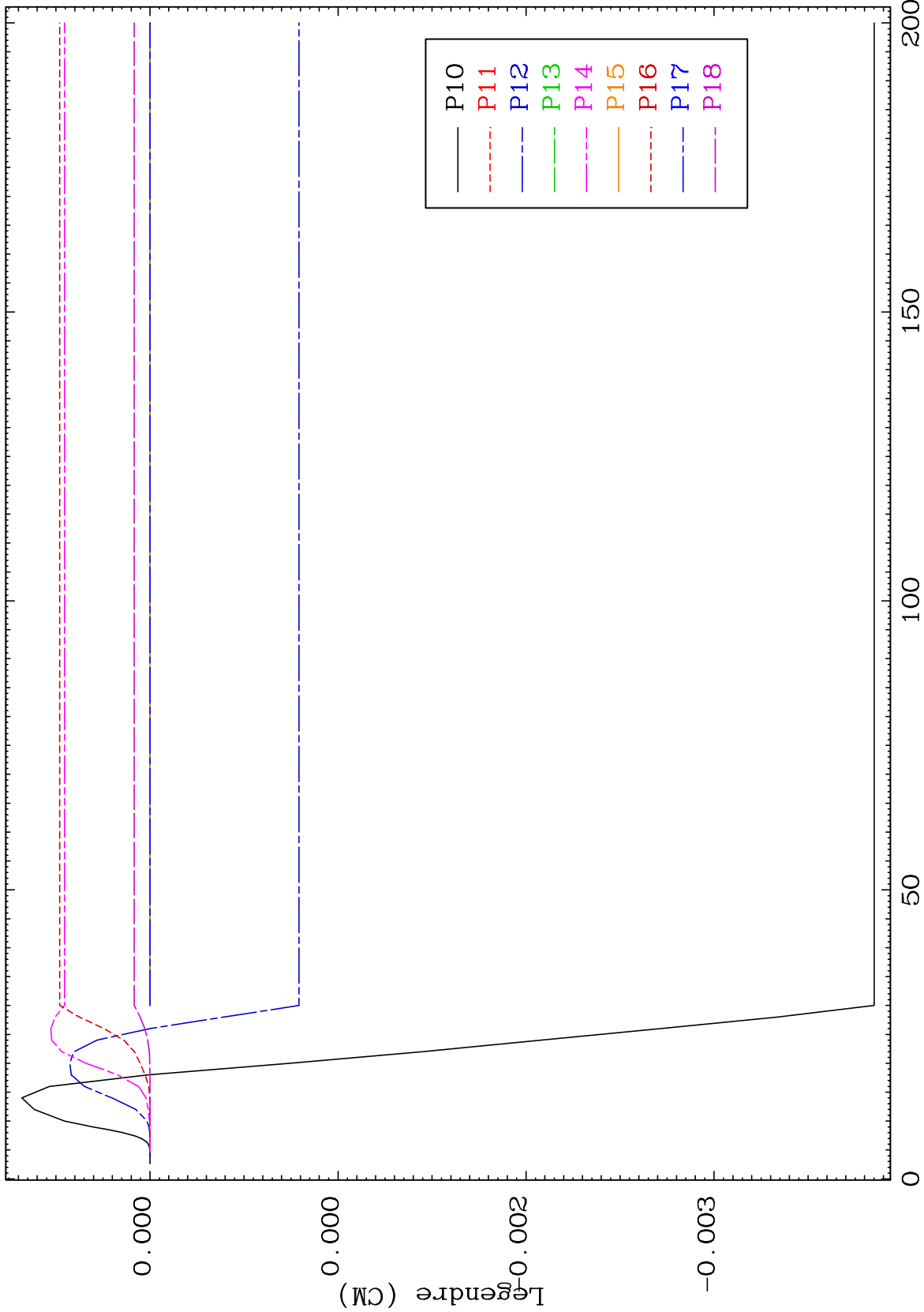
Incident Energy (MeV)

53

MAT 5649

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

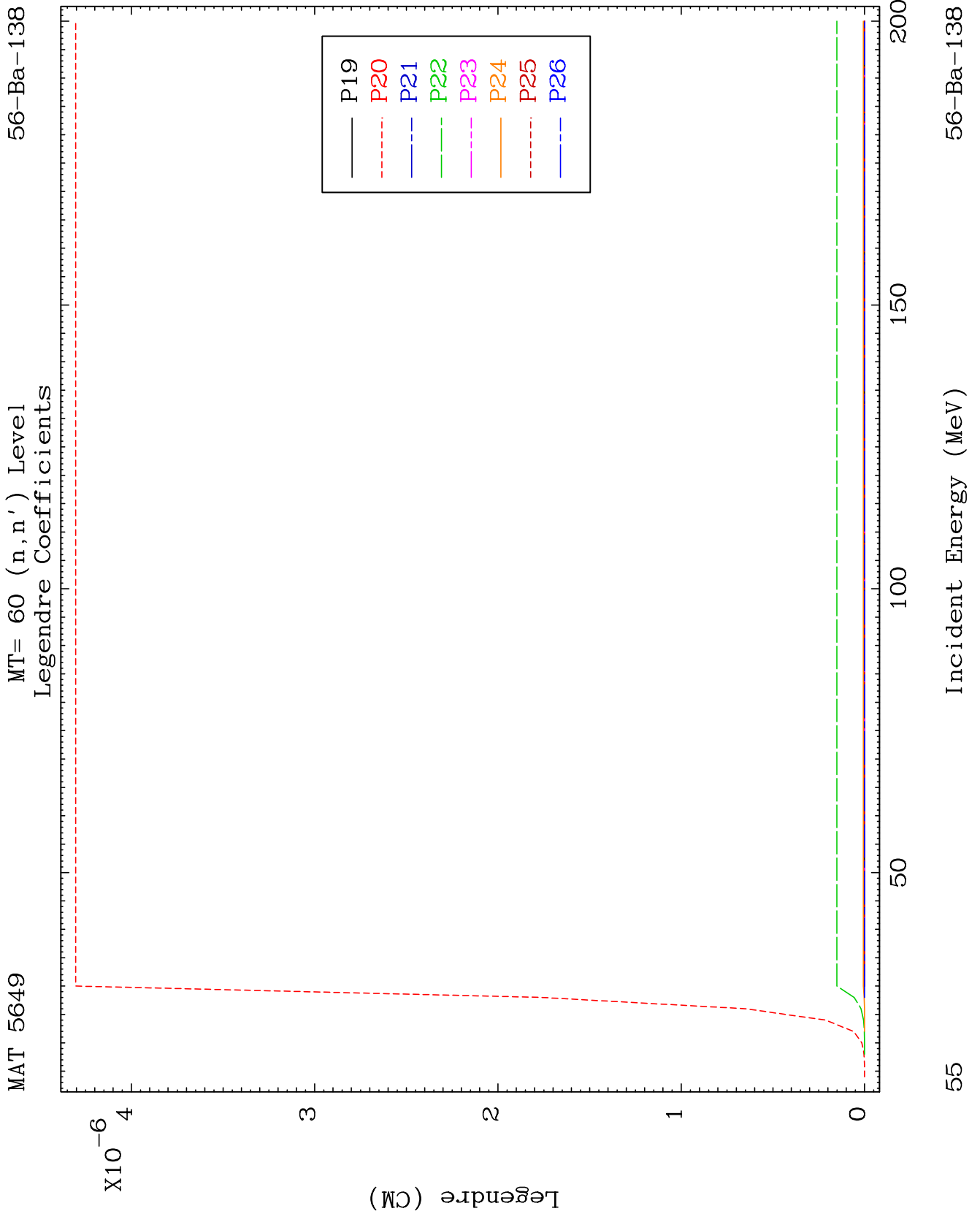
56-Ba-138



54

Incident Energy (MeV)

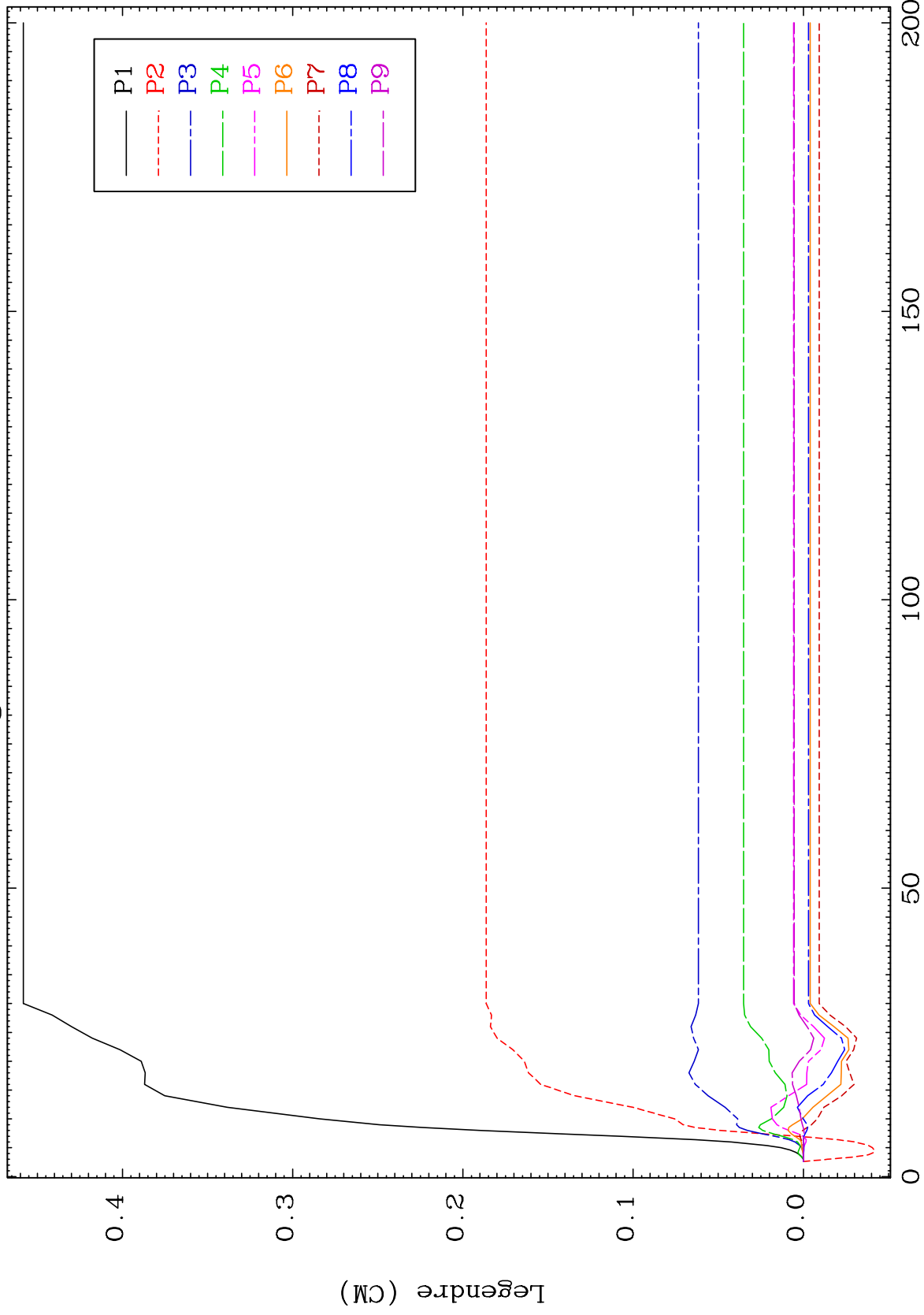
56-Ba-138



MAT 5649

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

56-Ba-138



56

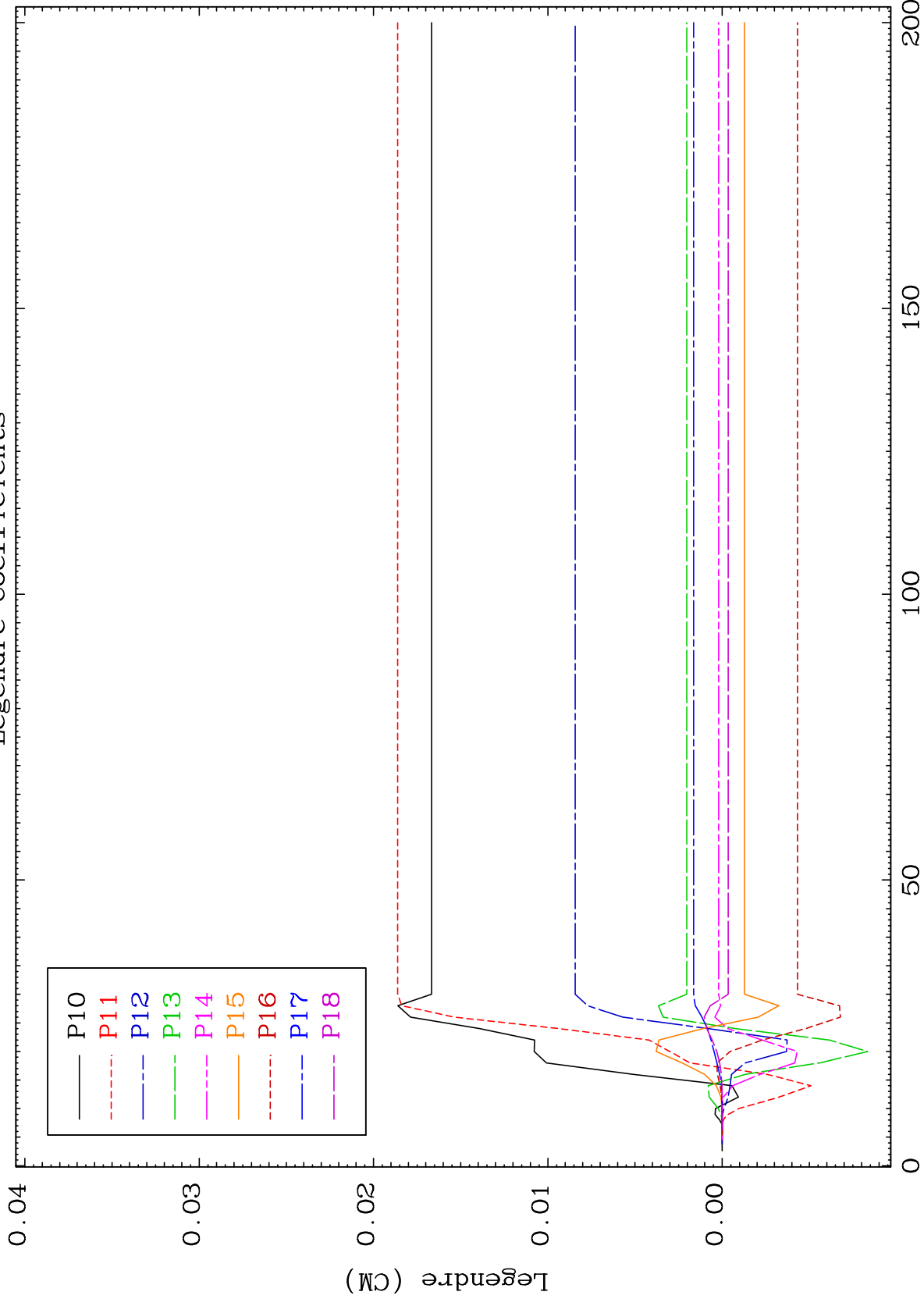
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

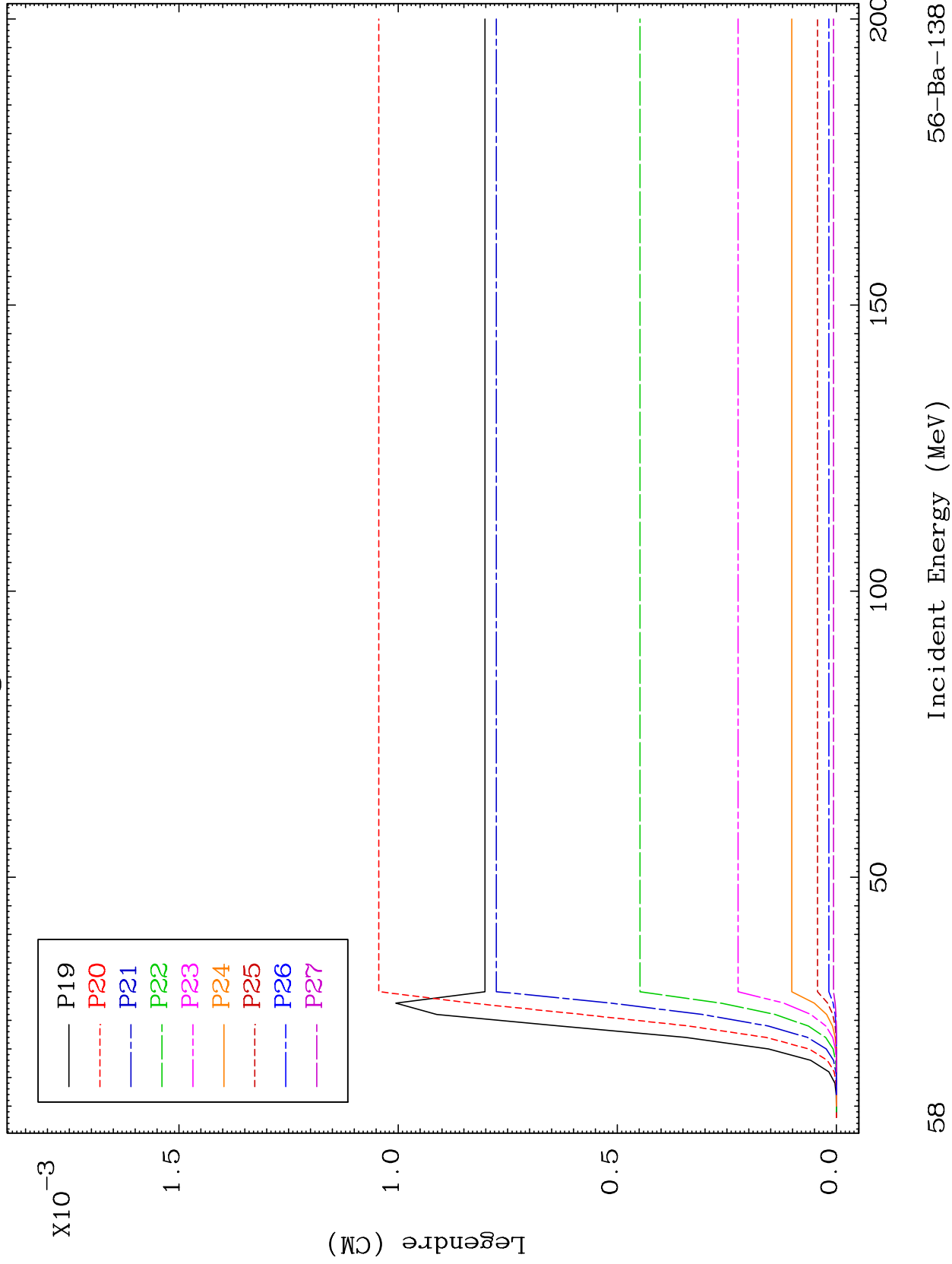
56-Ba-138



MAT 5649

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

56-Ba-138

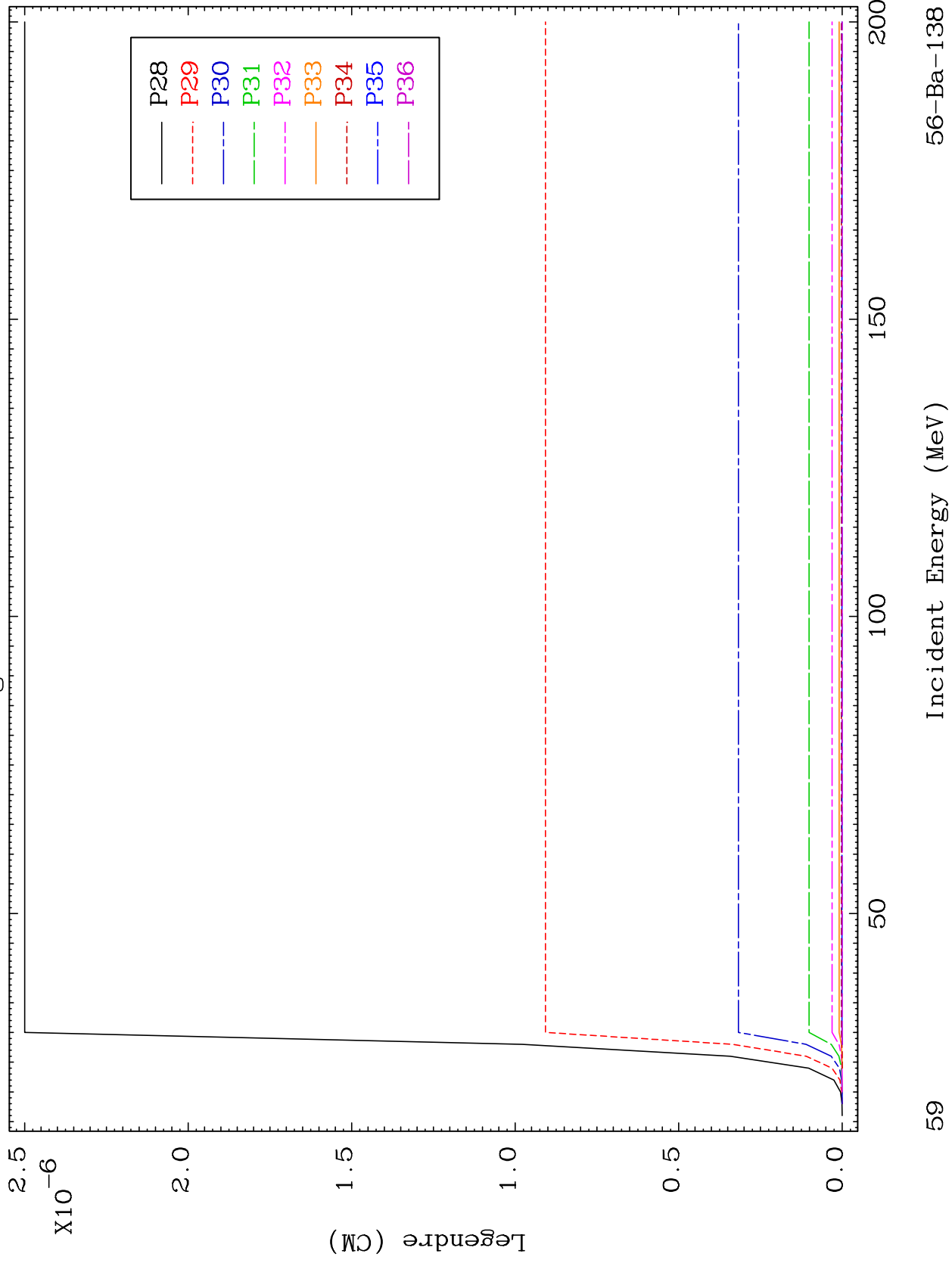


58

MAT 5649

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

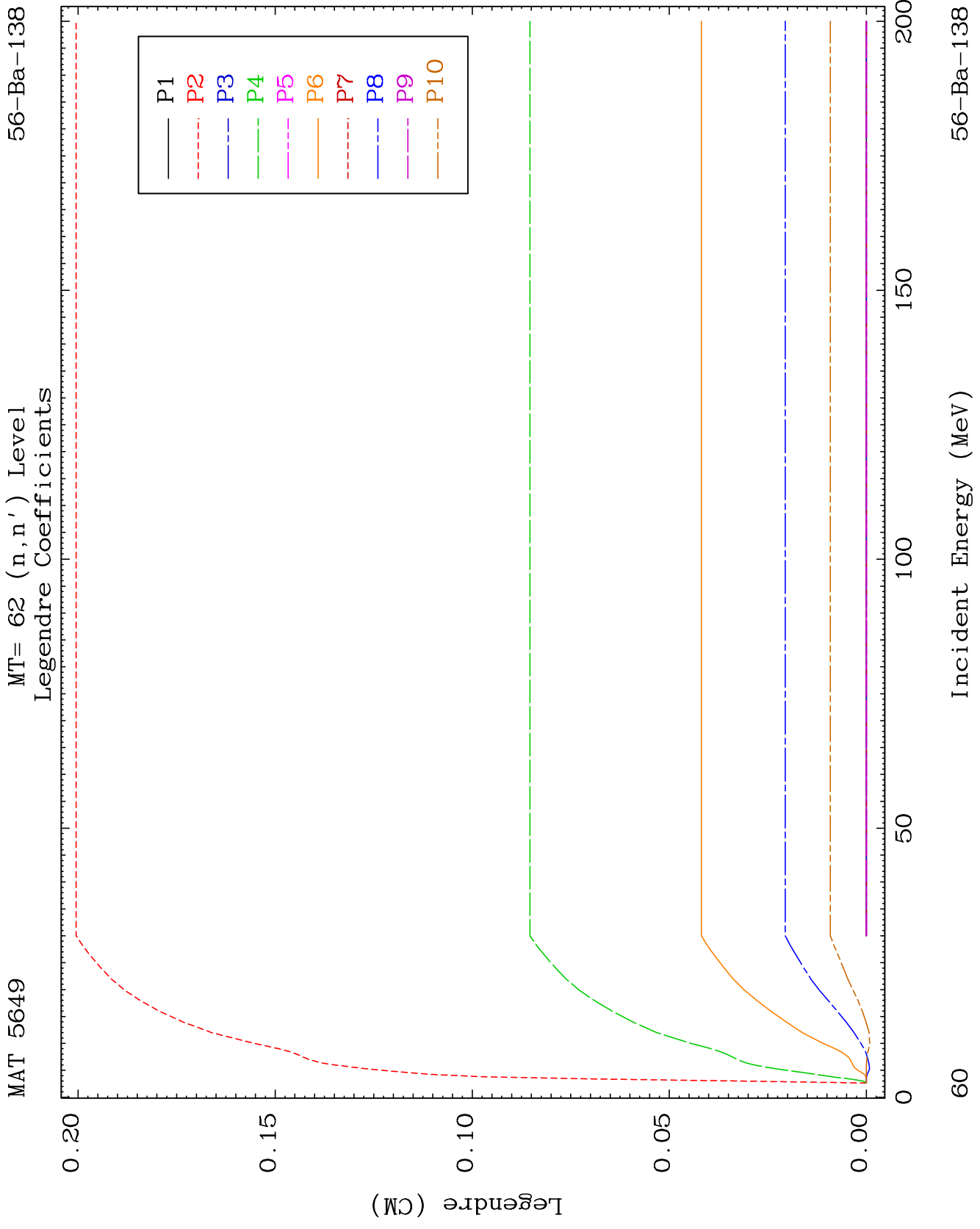
56-Ba-138



59

Incident Energy (MeV)

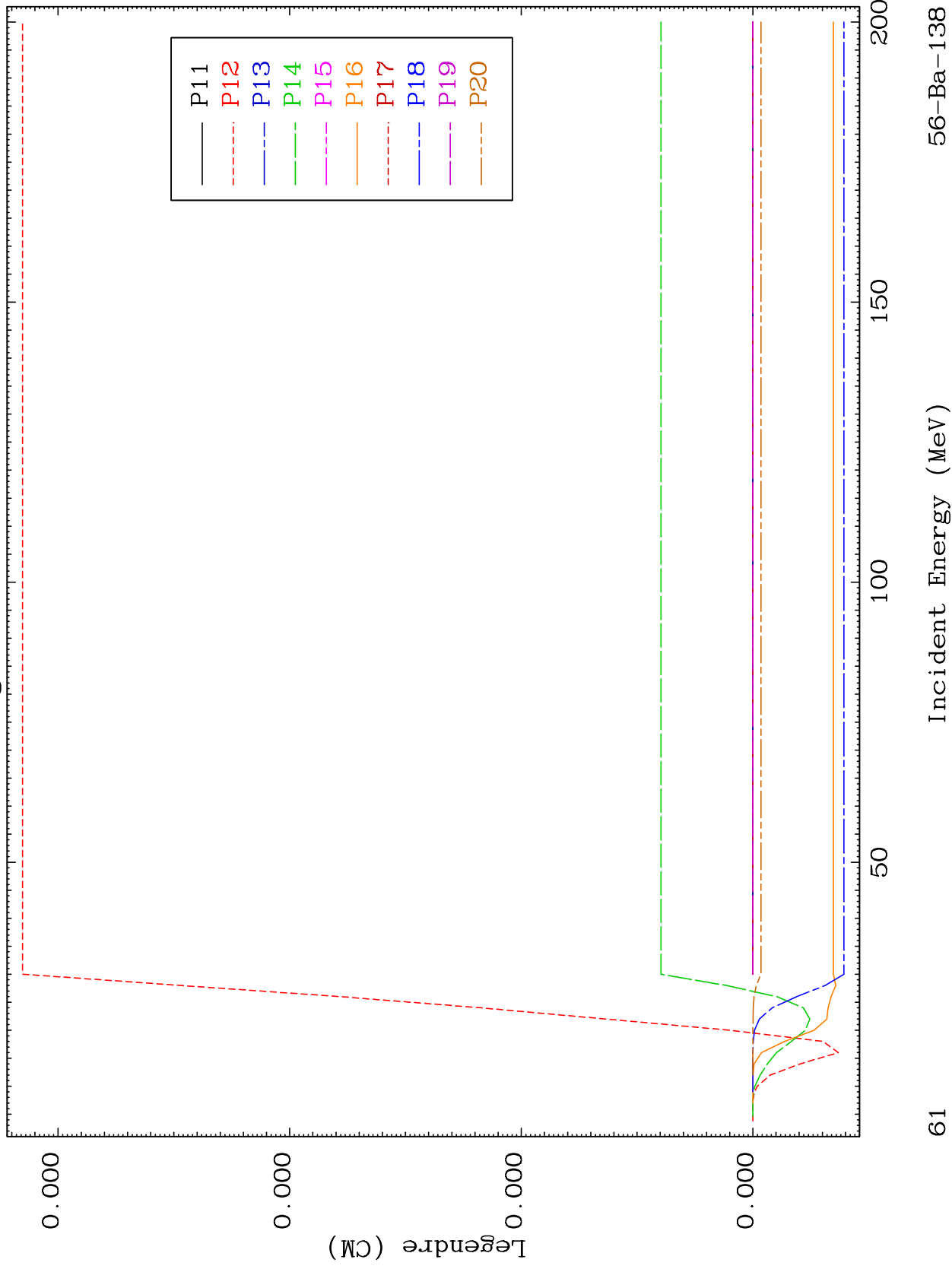
56-Ba-138



MAT 5649

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

56-Ba-138



61

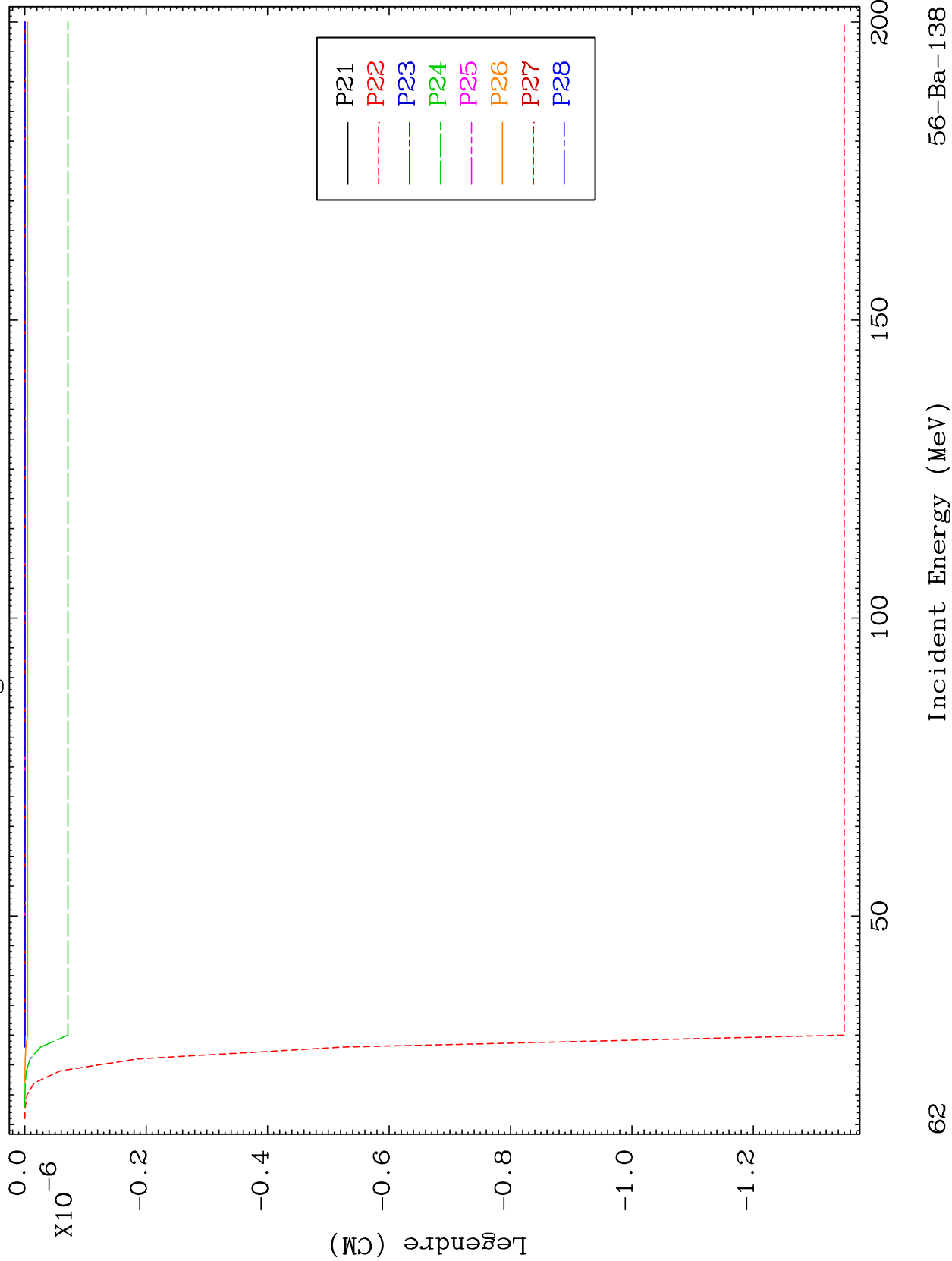
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



62

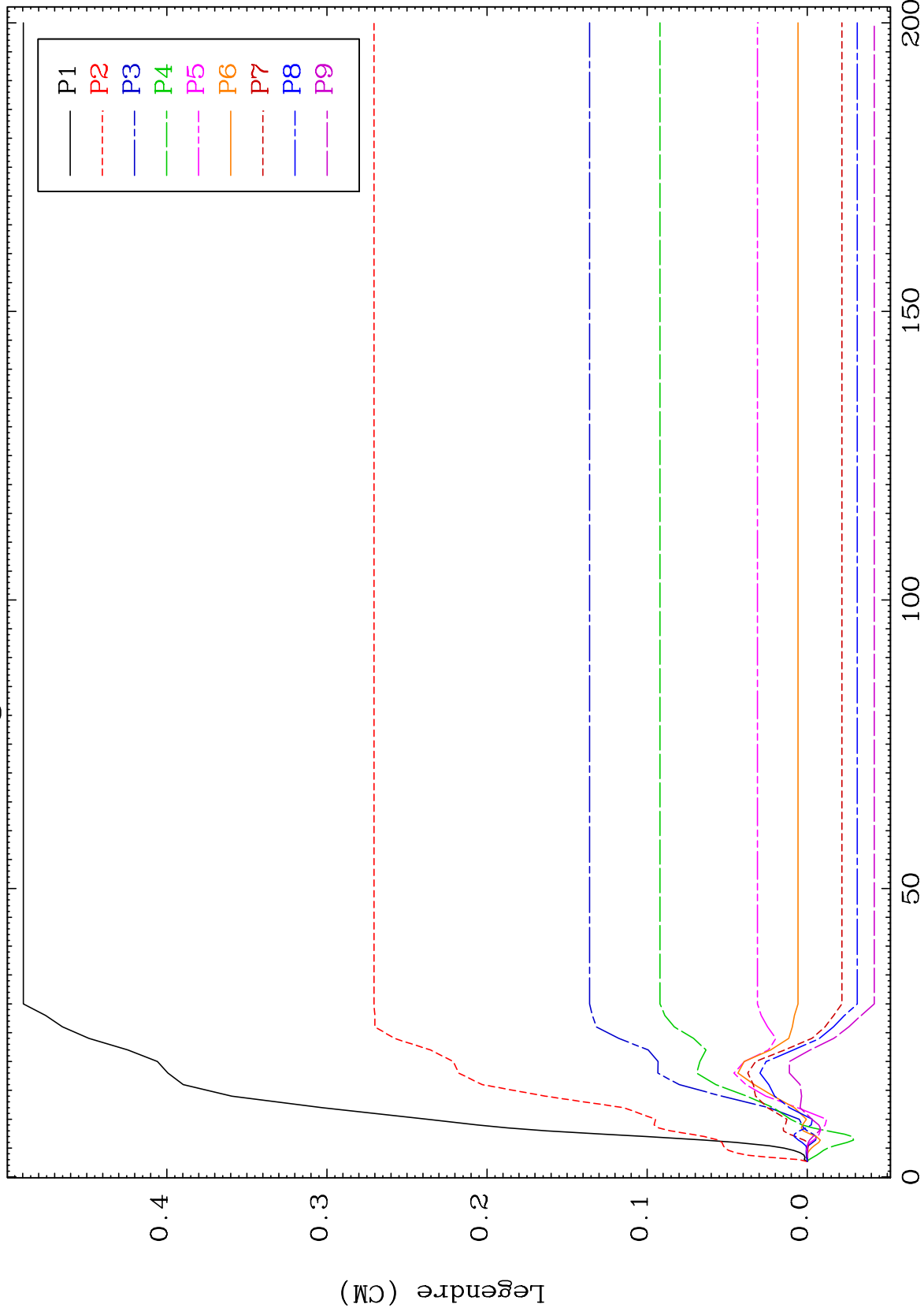
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



63

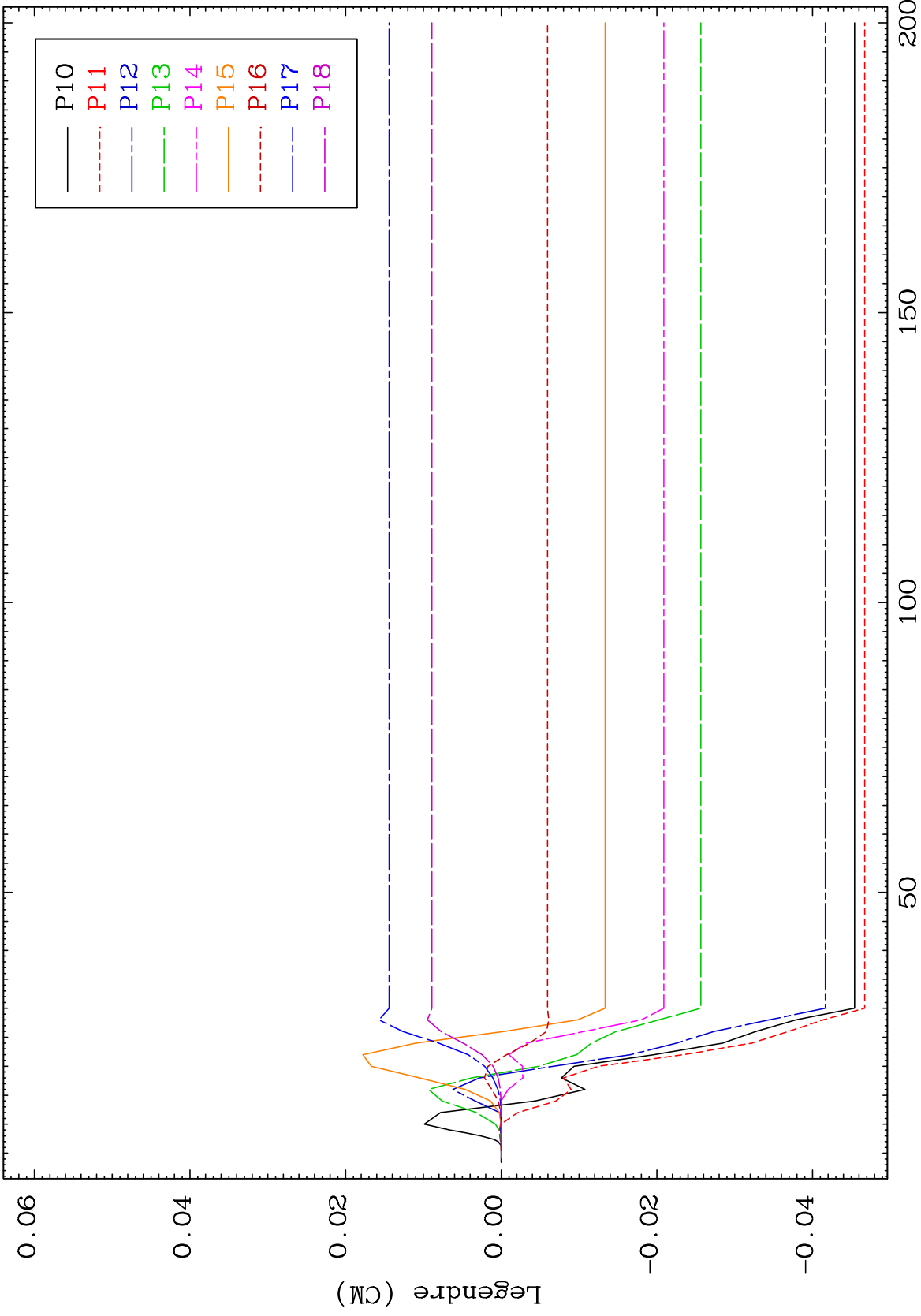
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



64

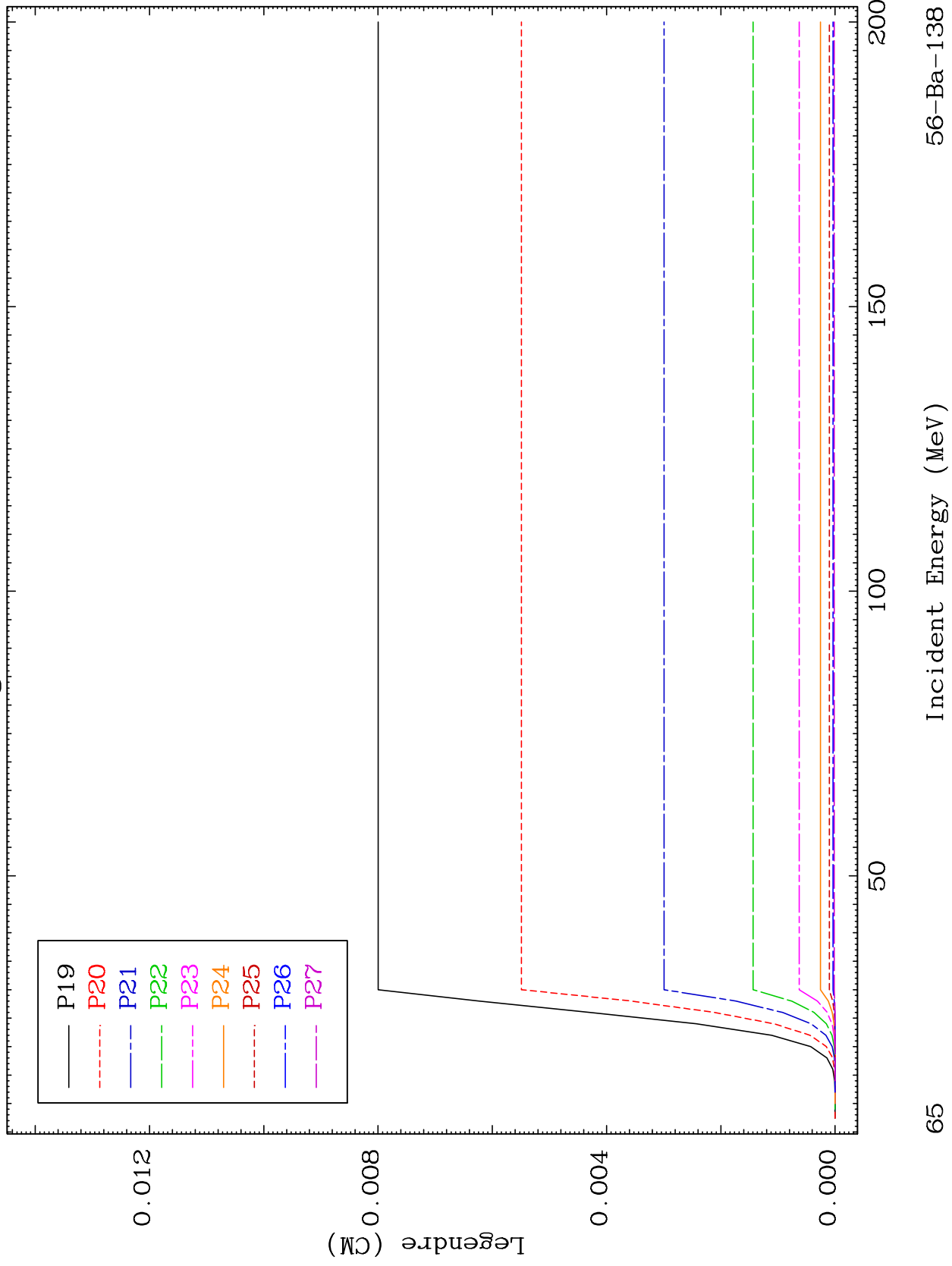
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



65

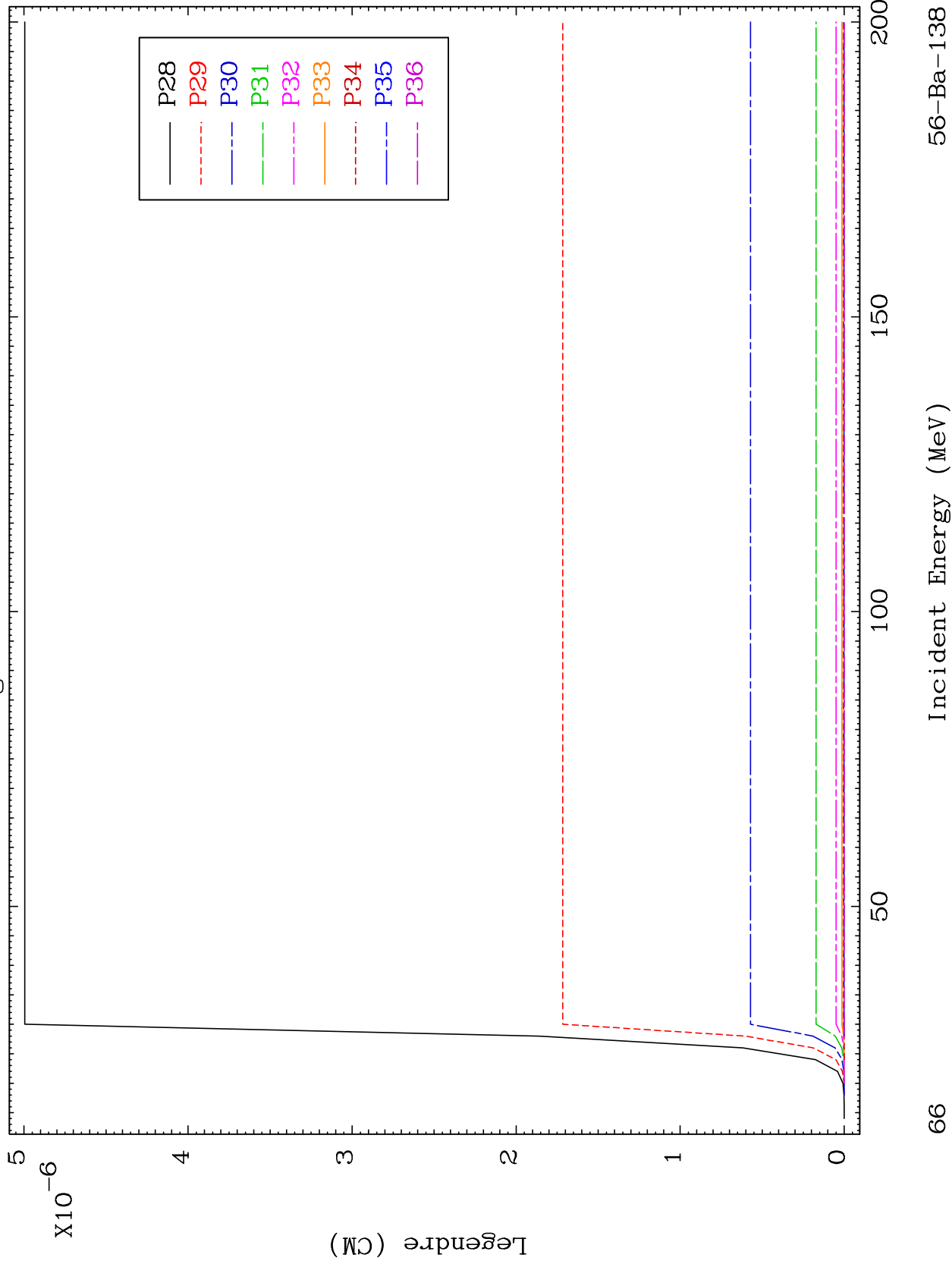
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



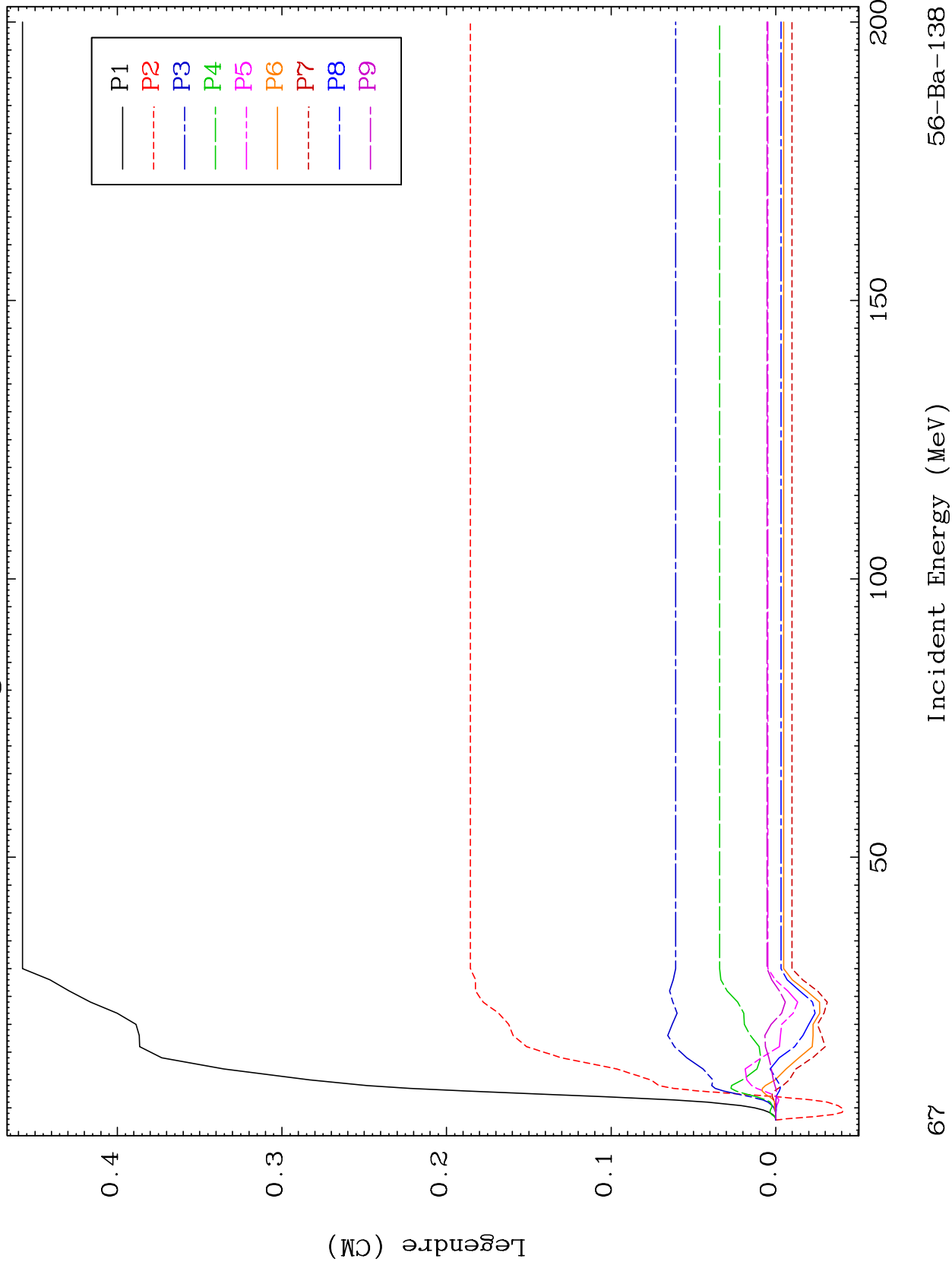
66

56-Ba-138

MAT 5649

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

56-Ba-138



56-Ba-138

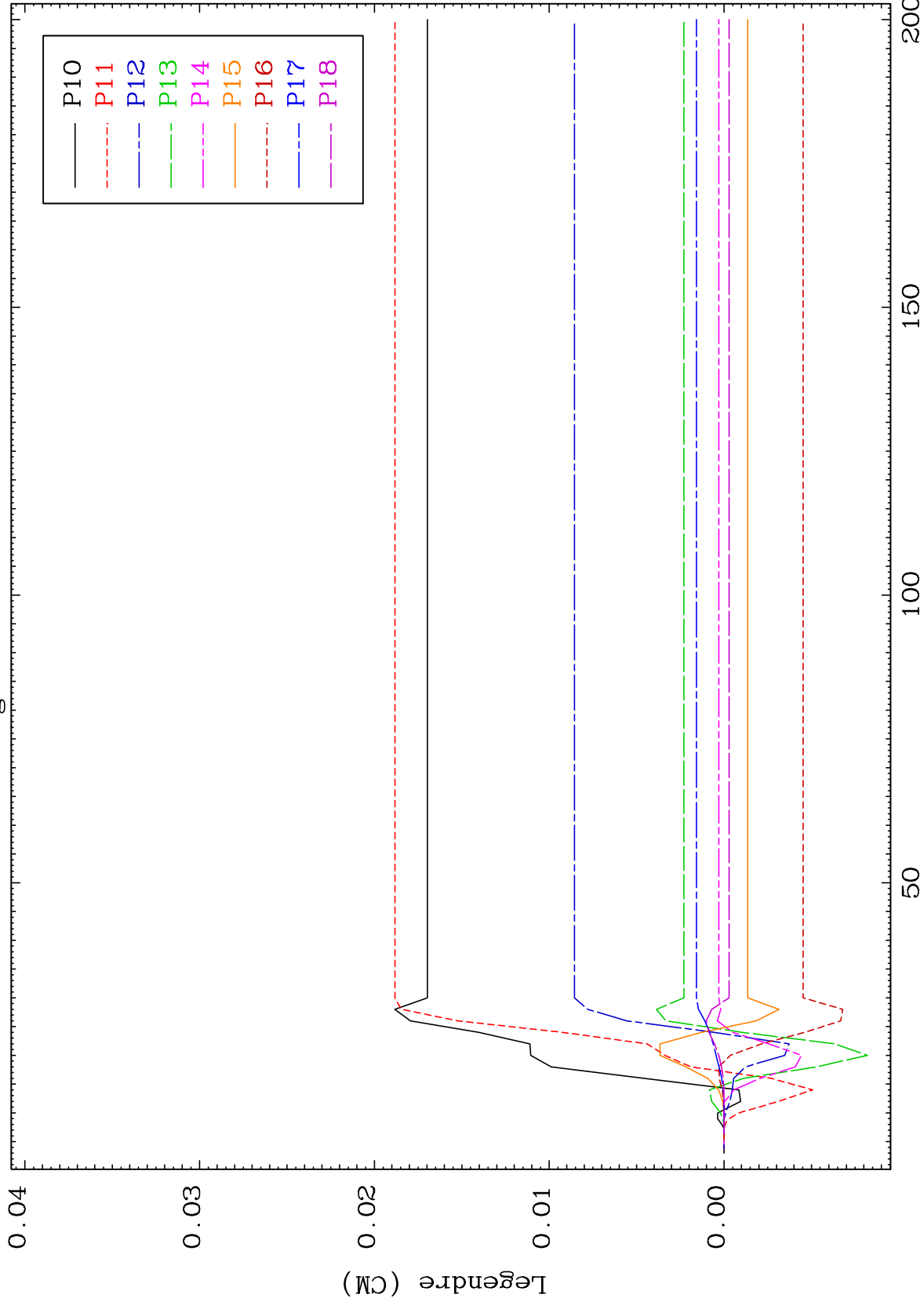
Incident Energy (MeV)

67

MAT 5649

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

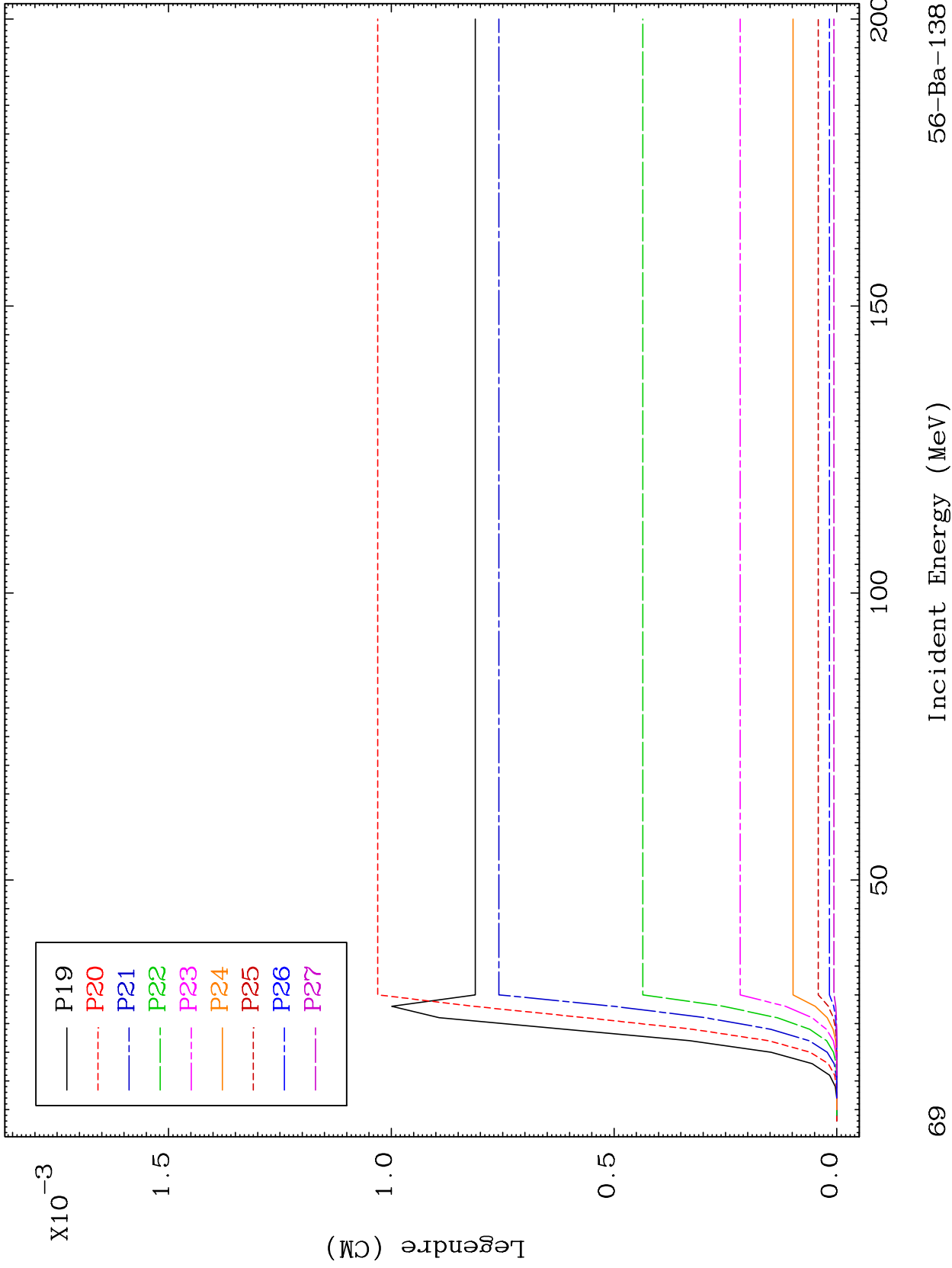
56-Ba-138



68

Incident Energy (MeV)

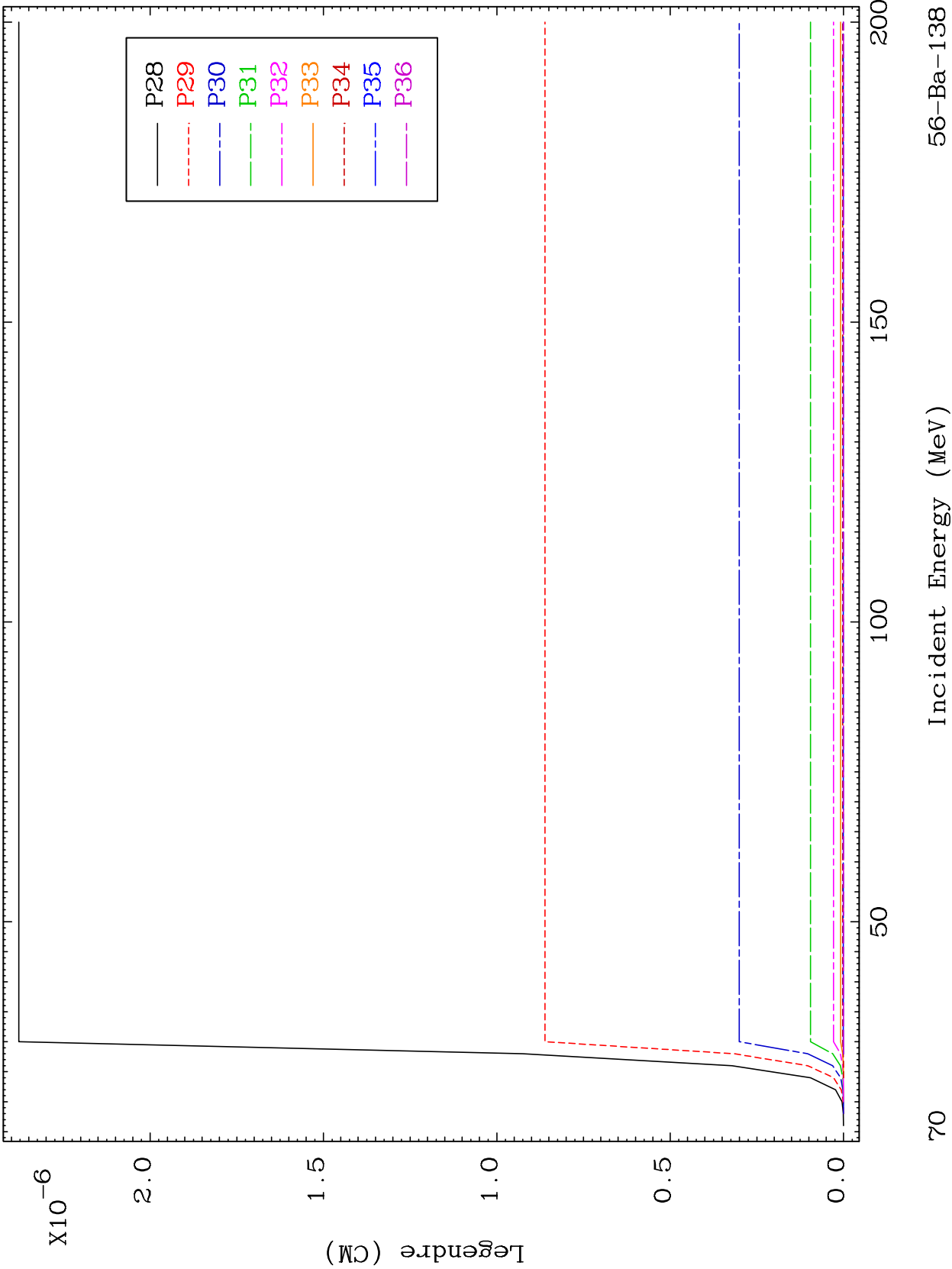
56-Ba-138



MAT 5649

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

56-Ba-138



70

Incident Energy (MeV)

56-Ba-138

150

100

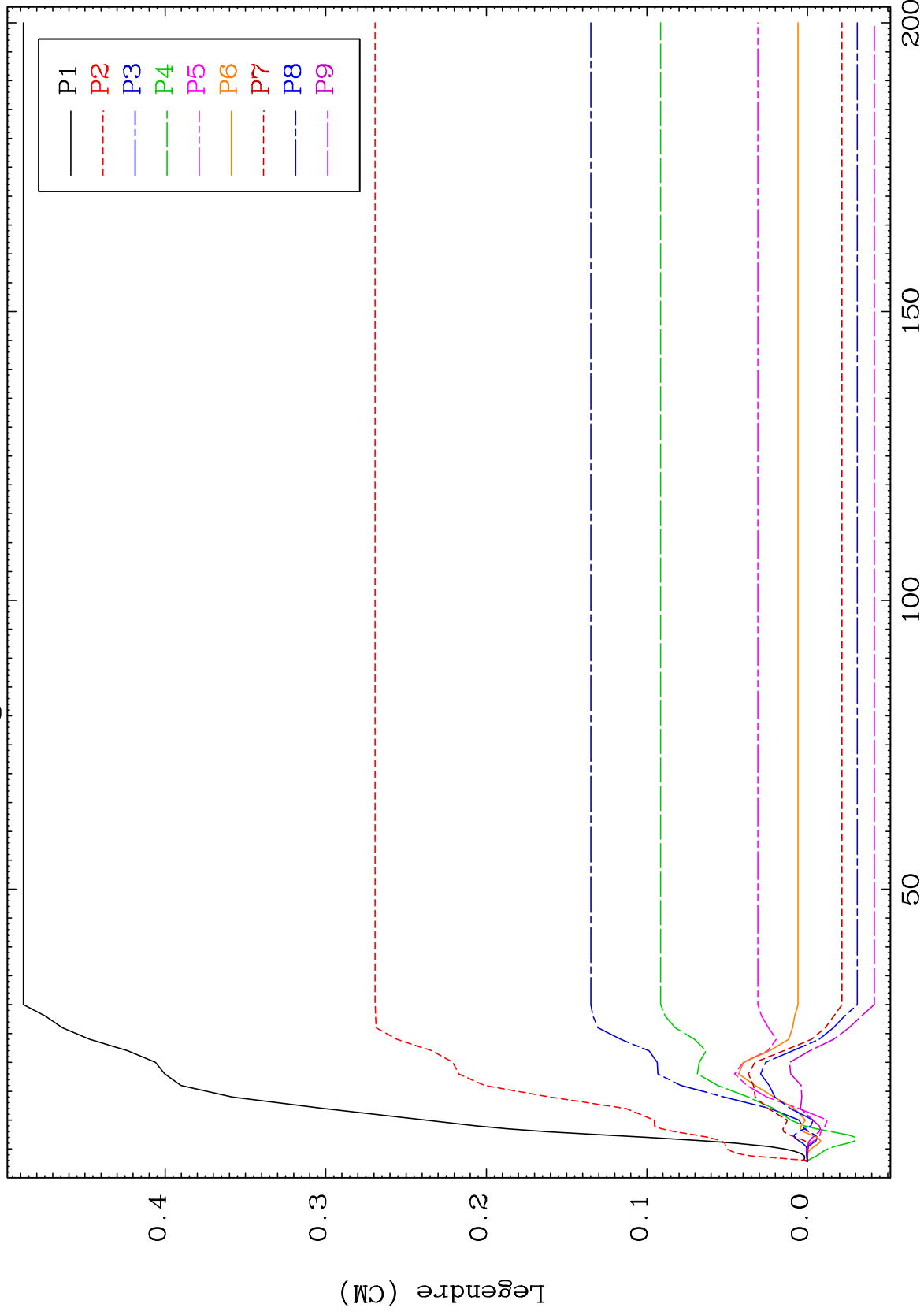
50

200

MAT 5649

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

56-Ba-138



71

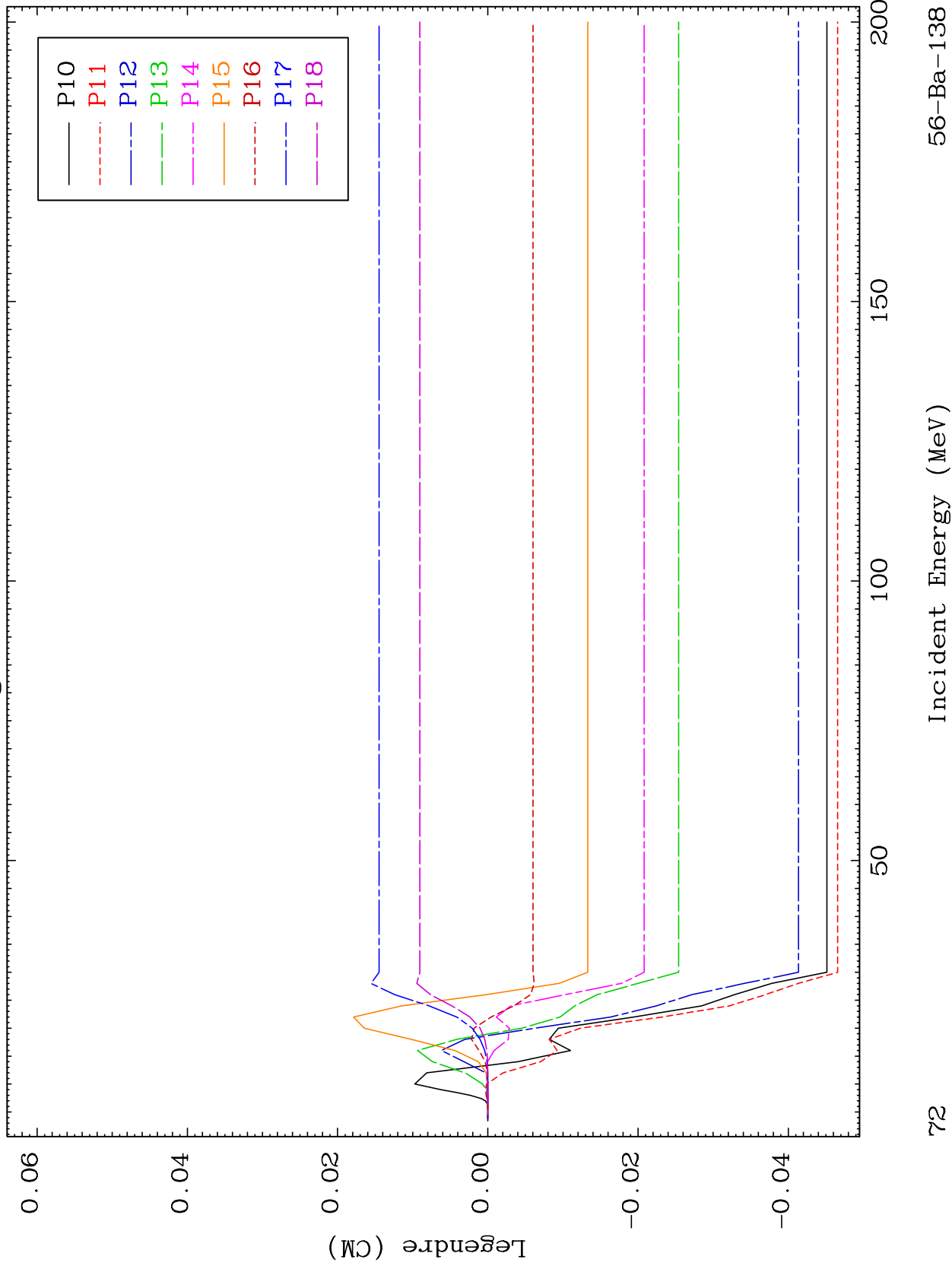
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



72

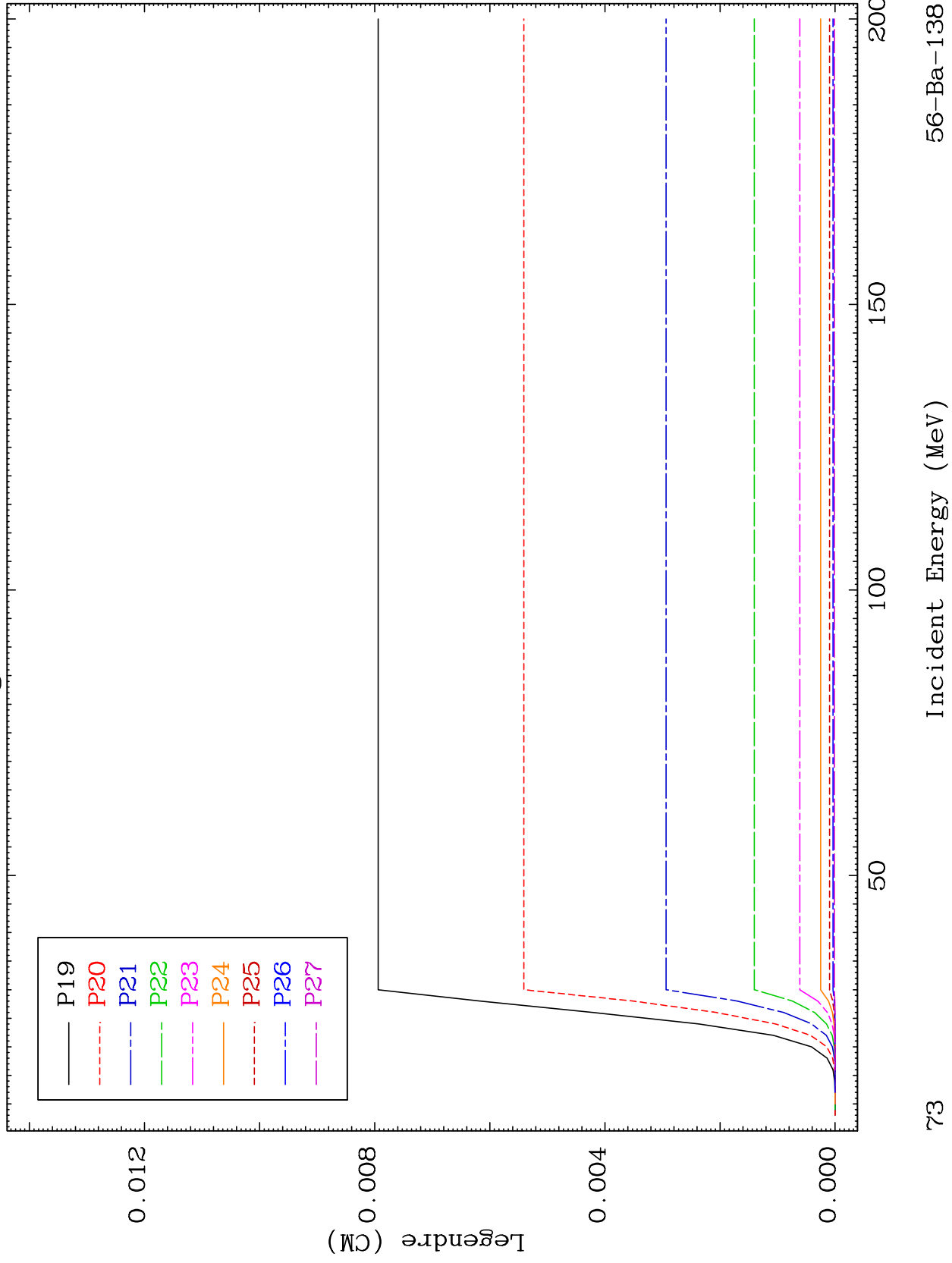
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



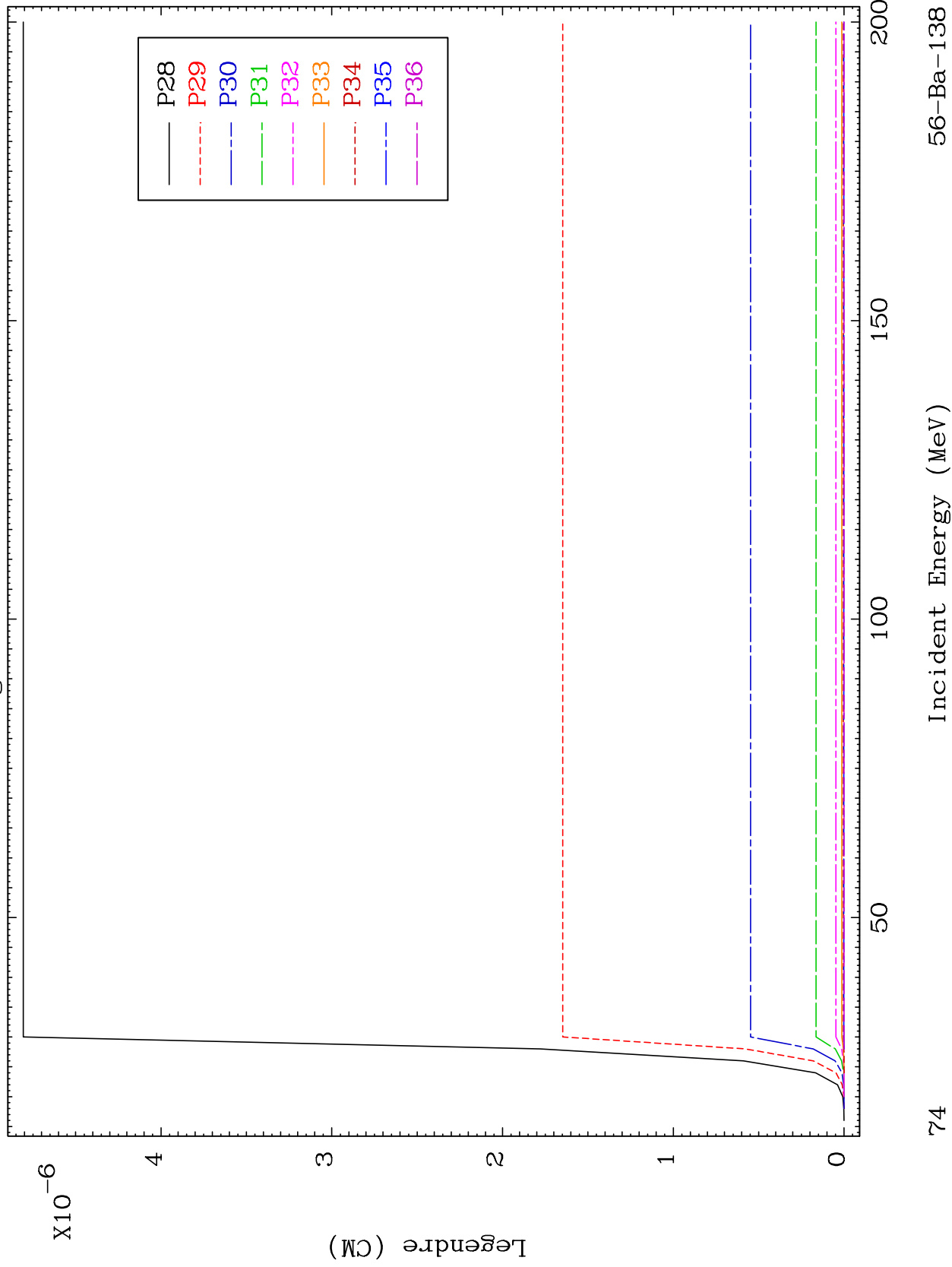
73

56-Ba-138

MAT 5649

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

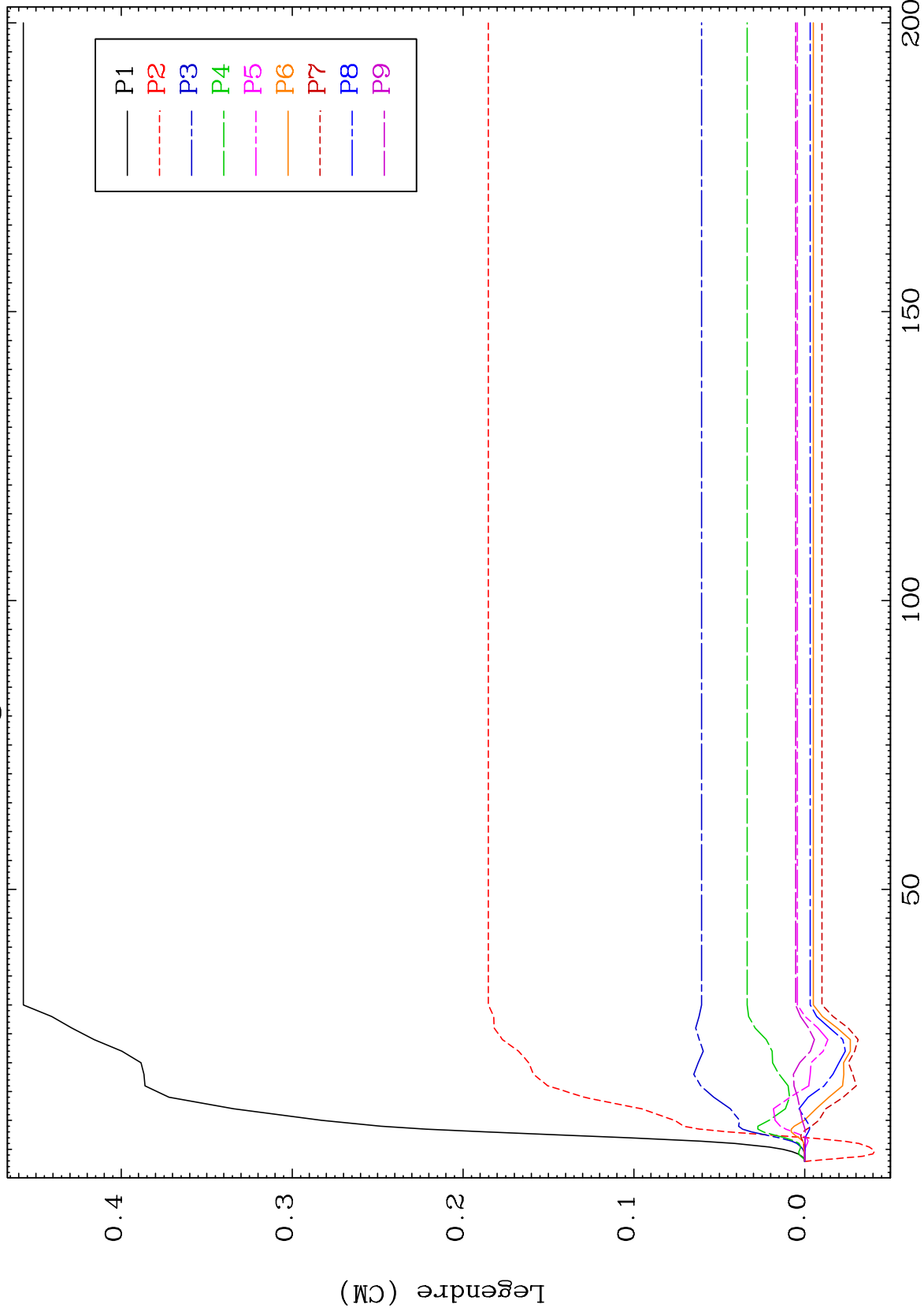
56-Ba-138



MAT 5649

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

56-Ba-138



75

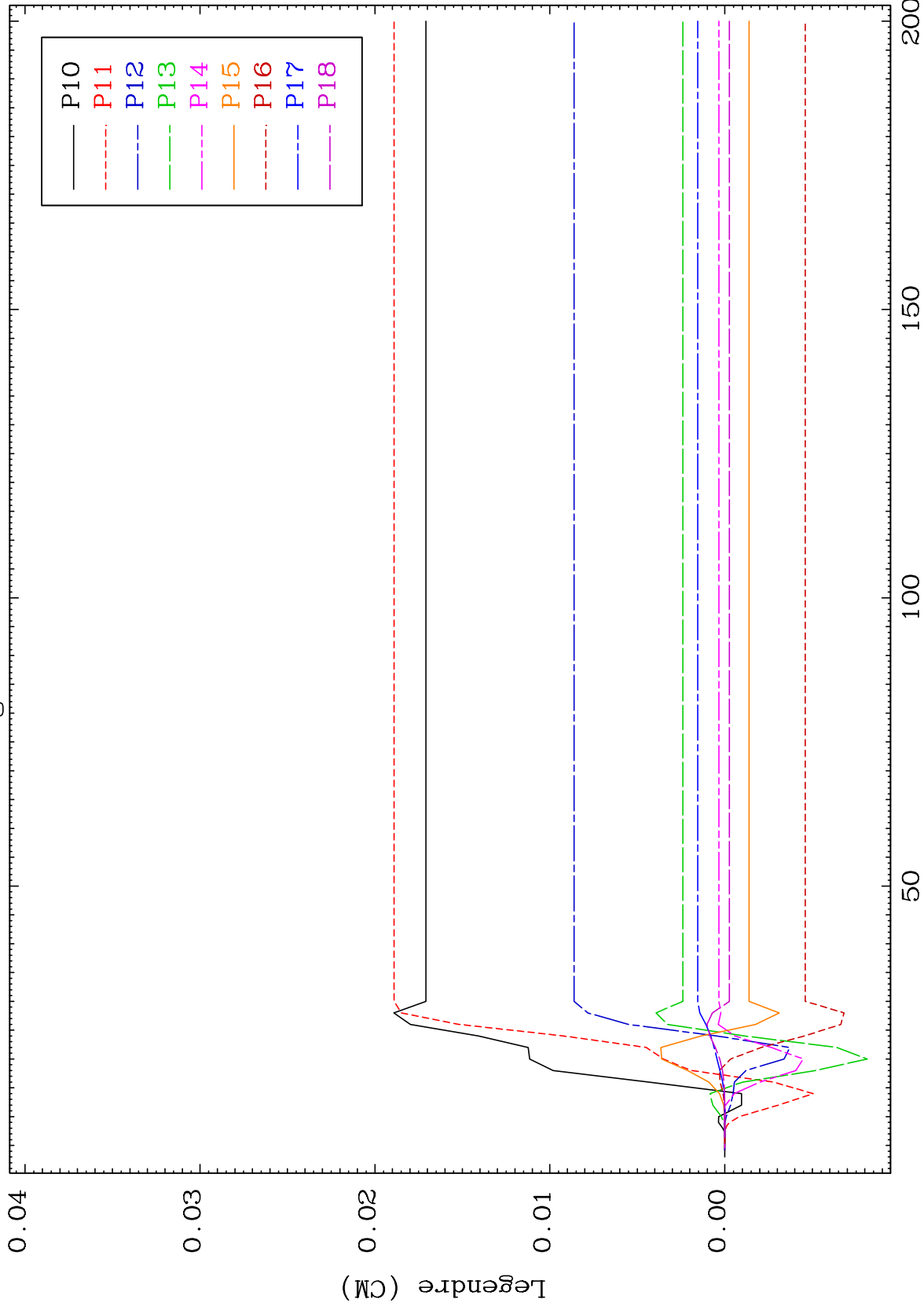
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



76

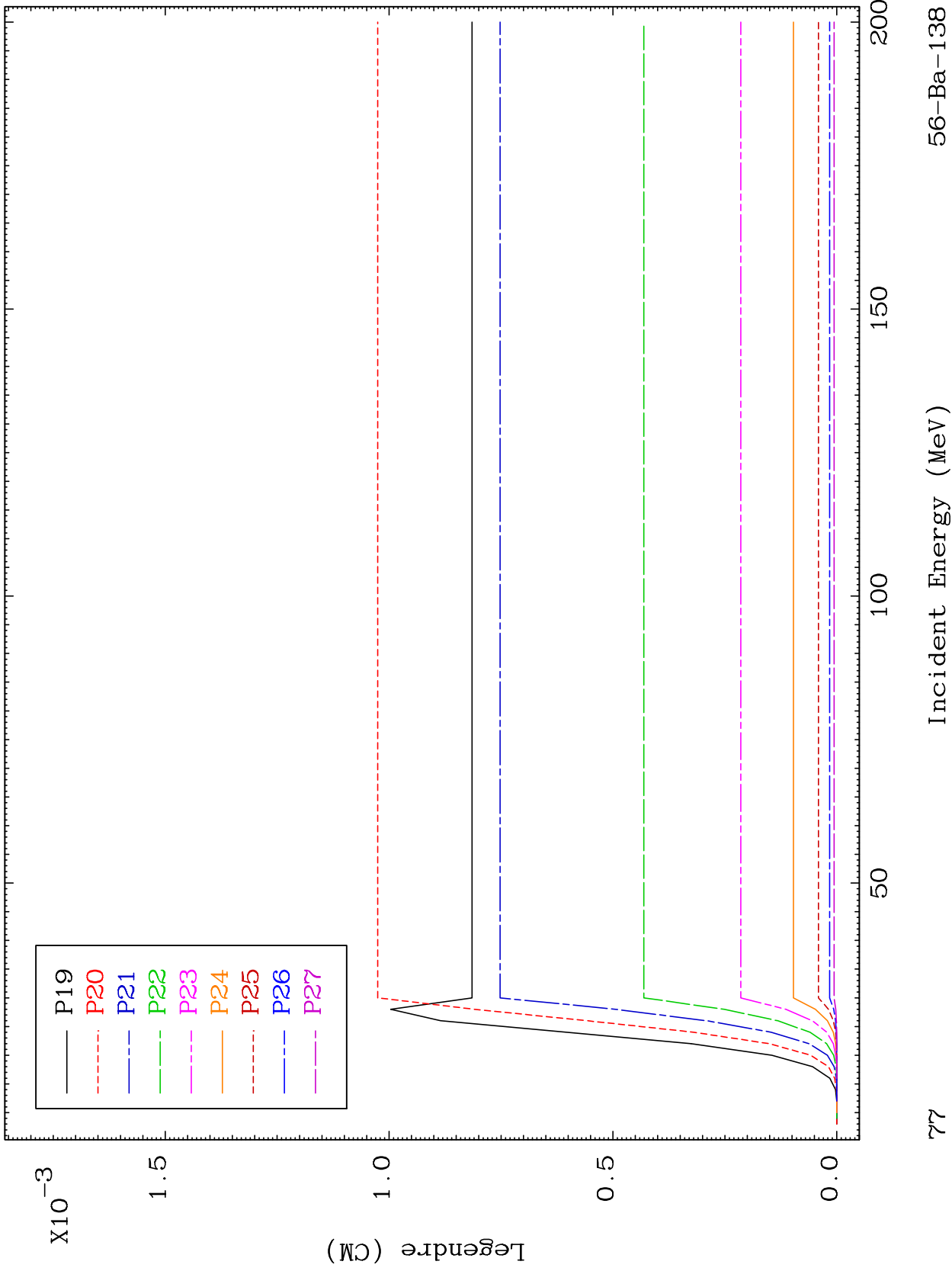
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

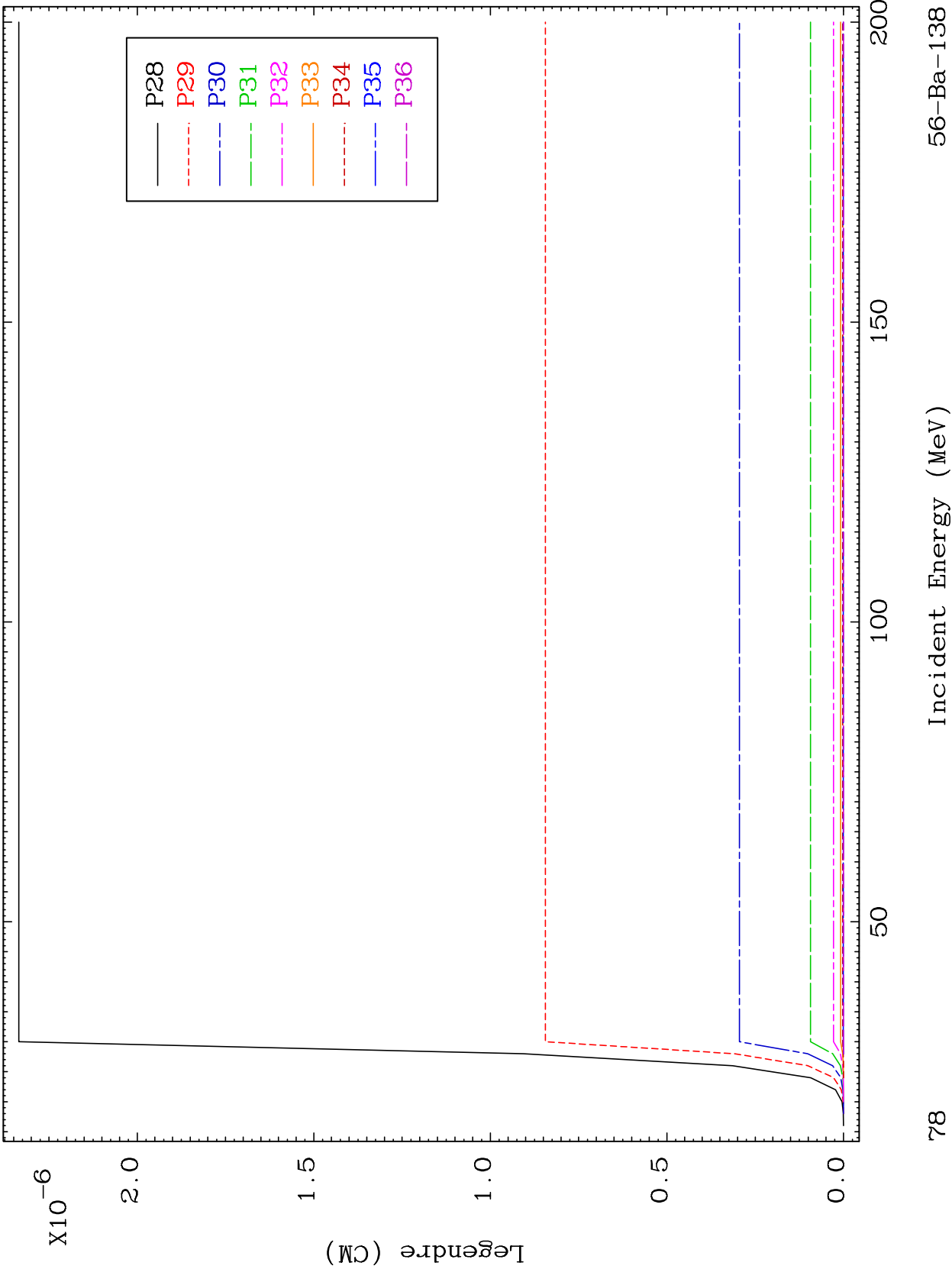
56-Ba-138



MAT 5649

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

56-Ba-138



78

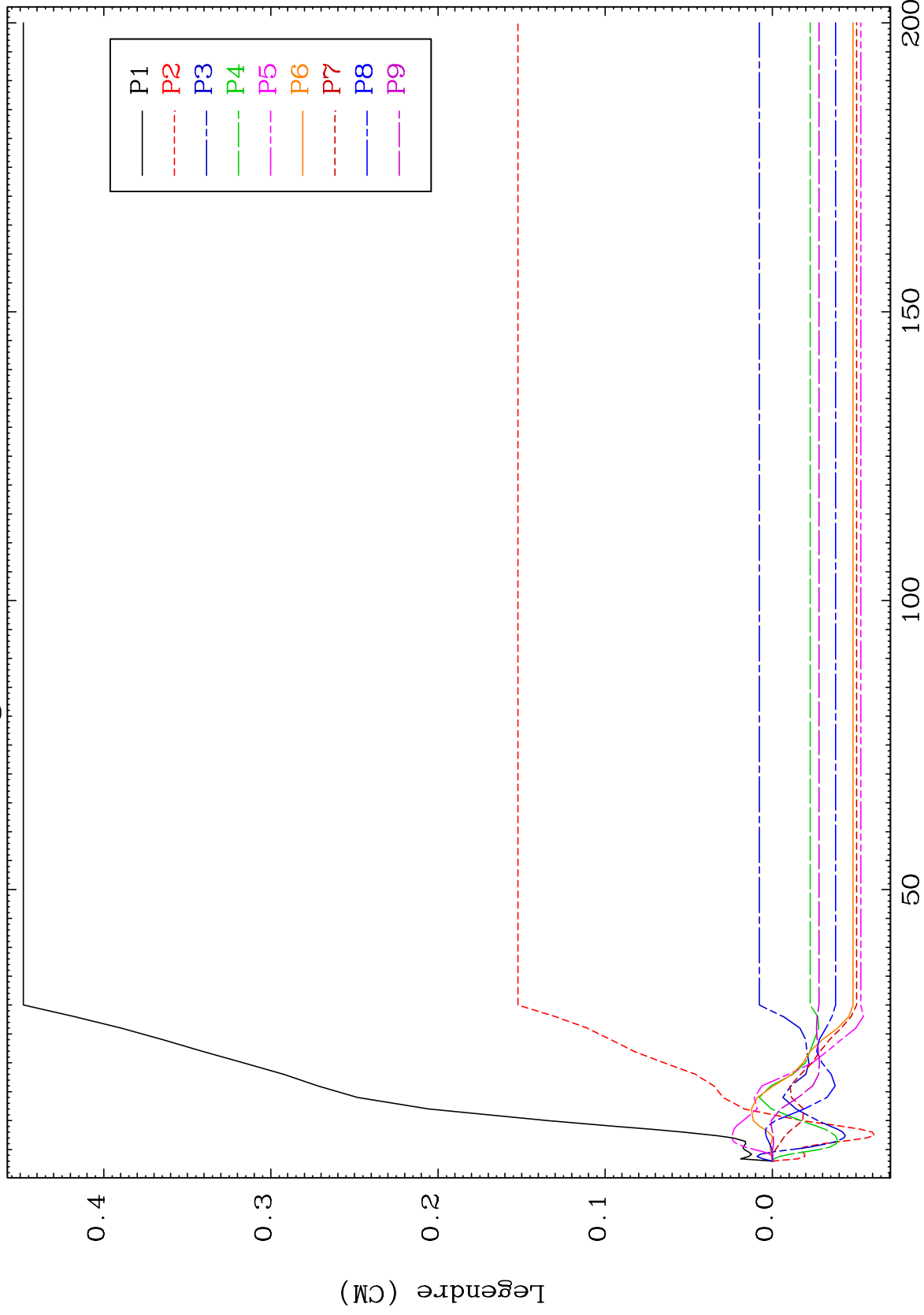
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



79

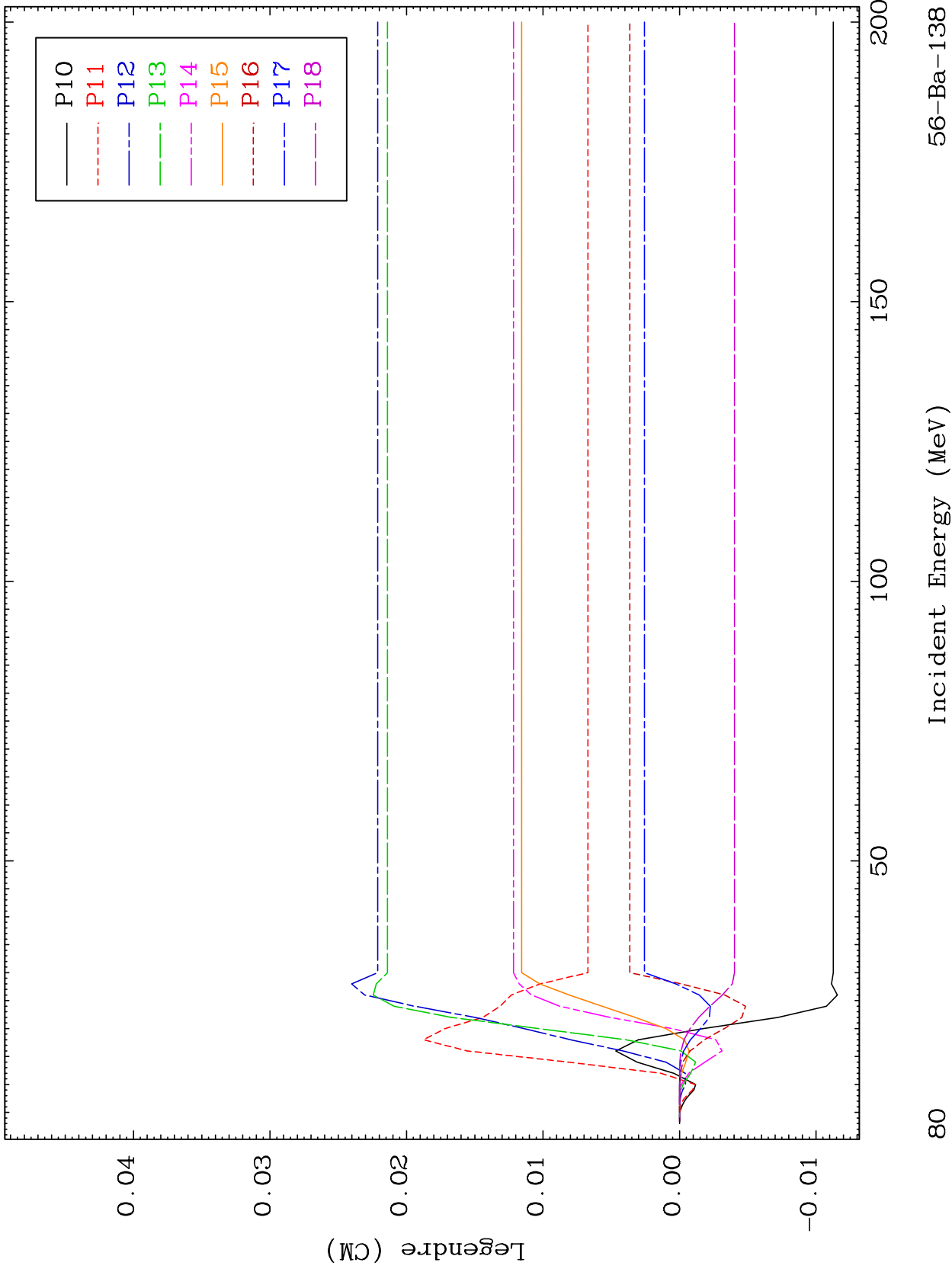
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

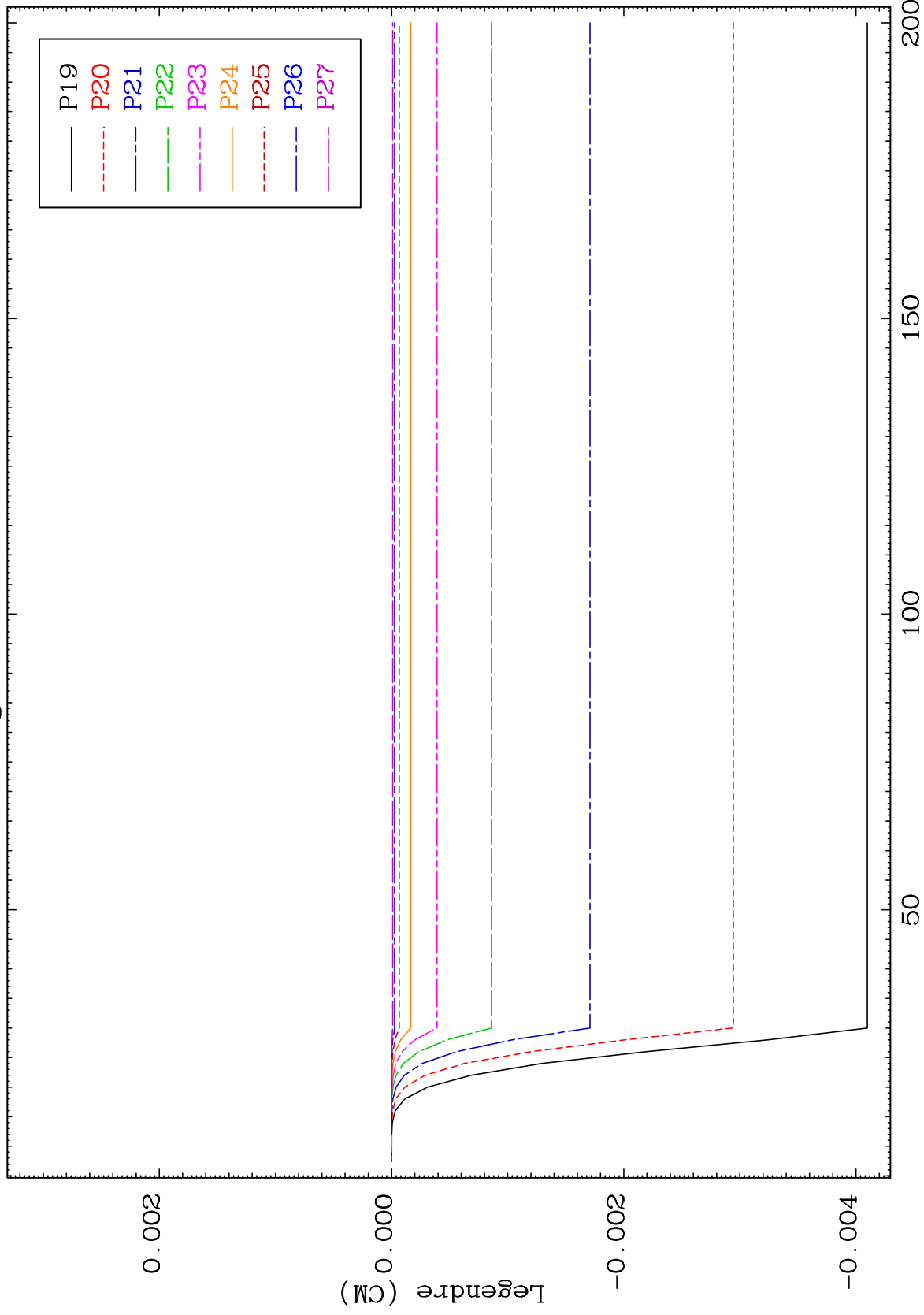
56-Ba-138



MAT 5649

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

56-Ba-138



81

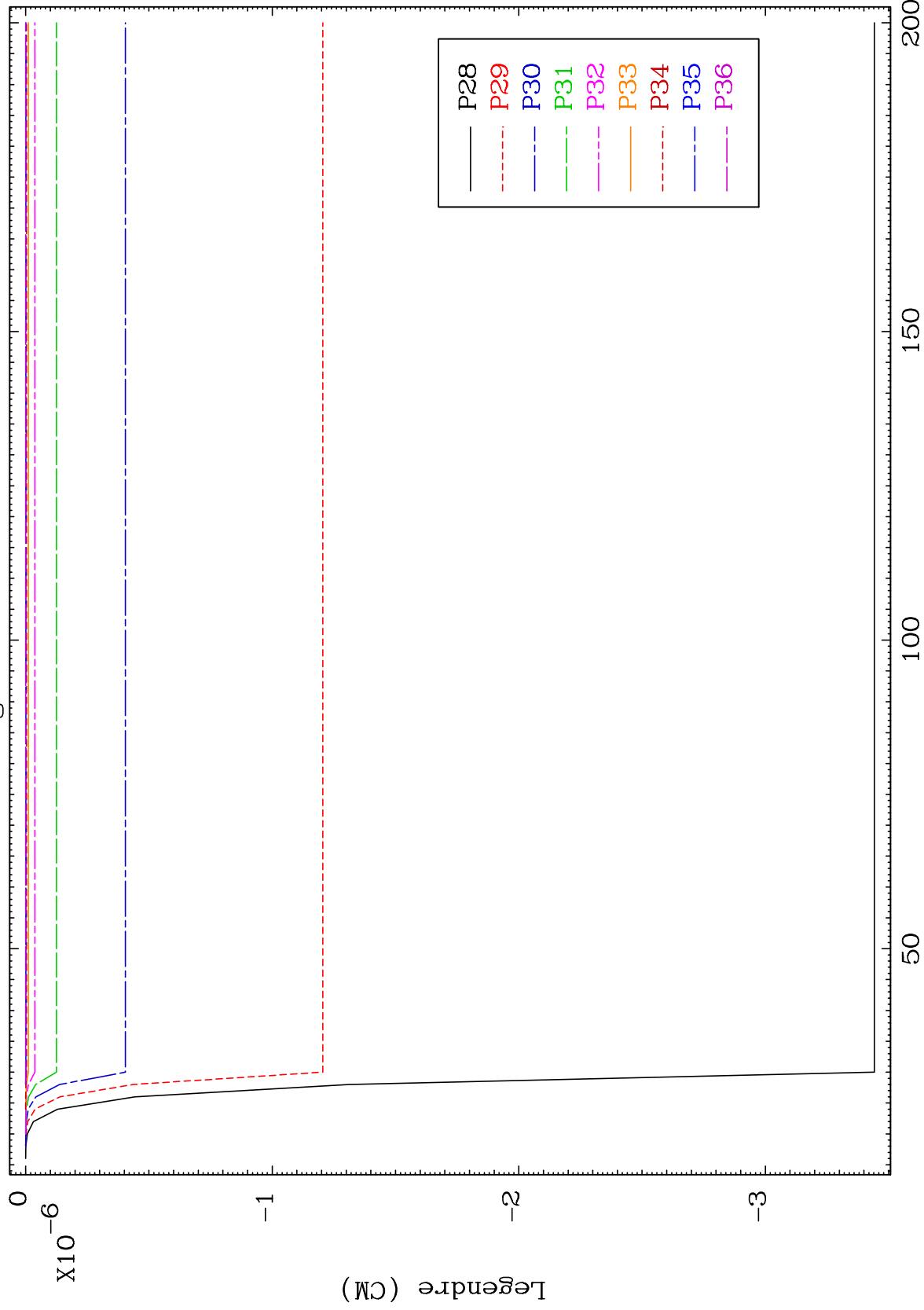
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



82

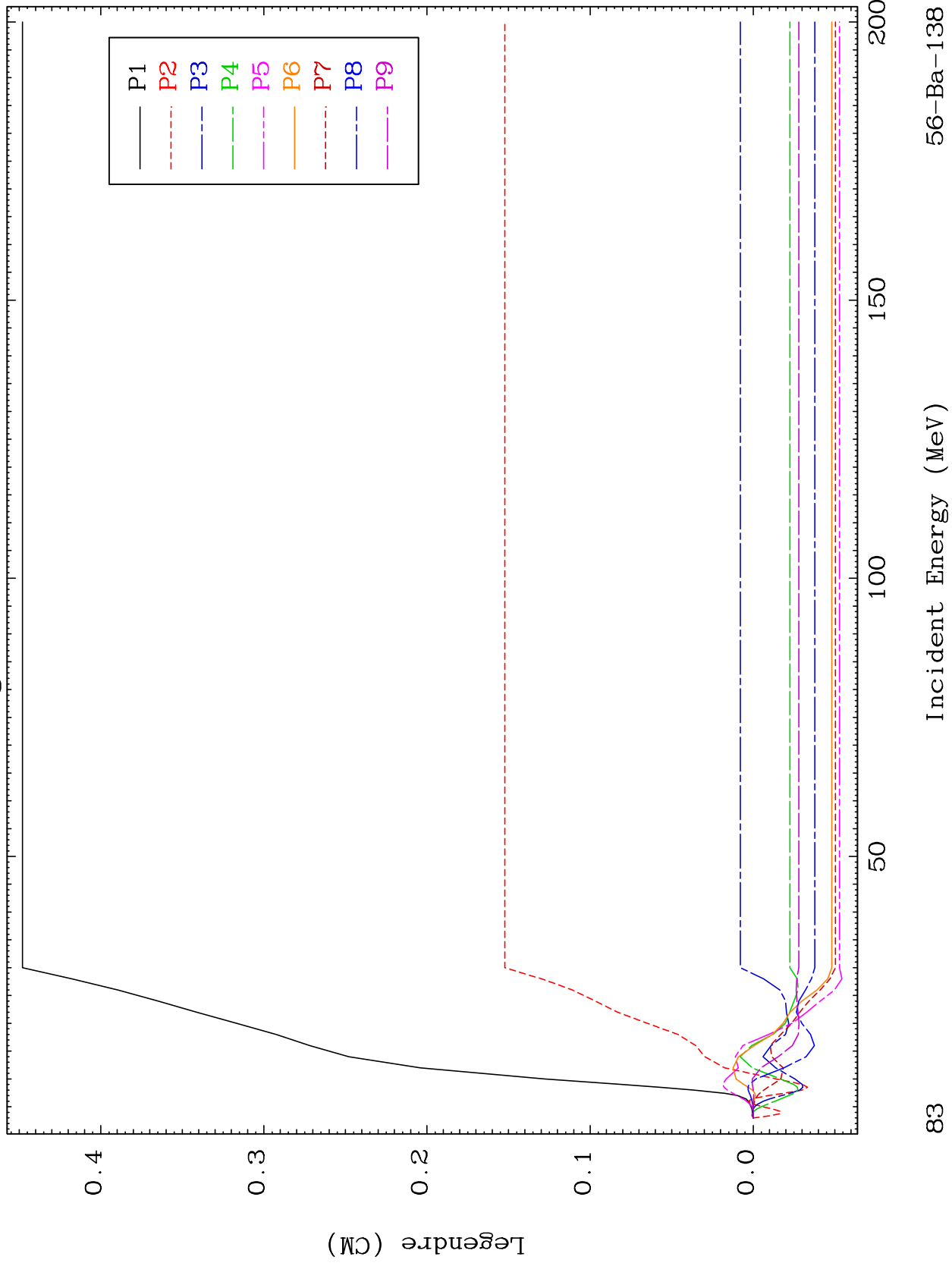
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



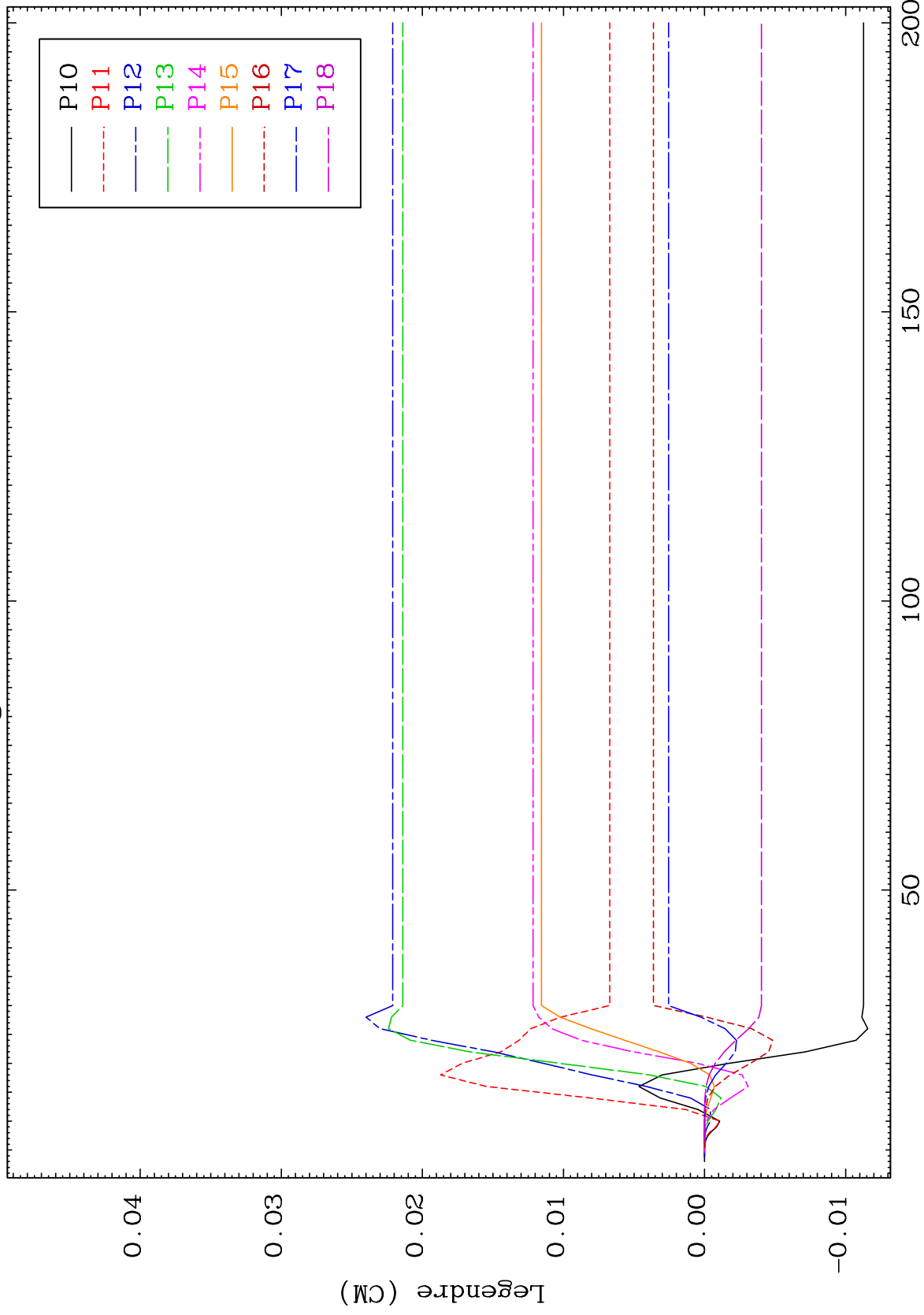
83

56-Ba-138

MAT 5649

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

56-Ba-138



84

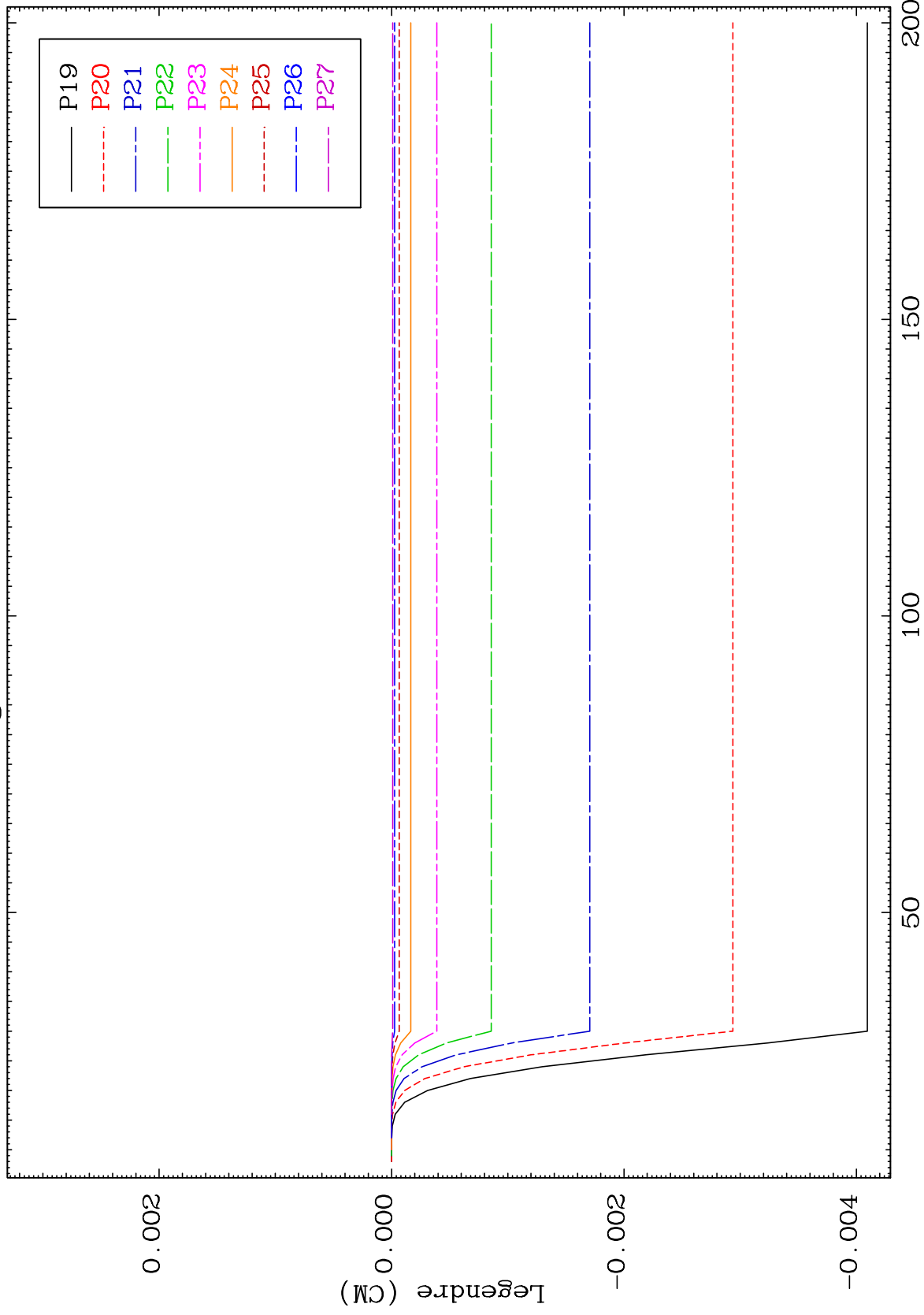
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



85

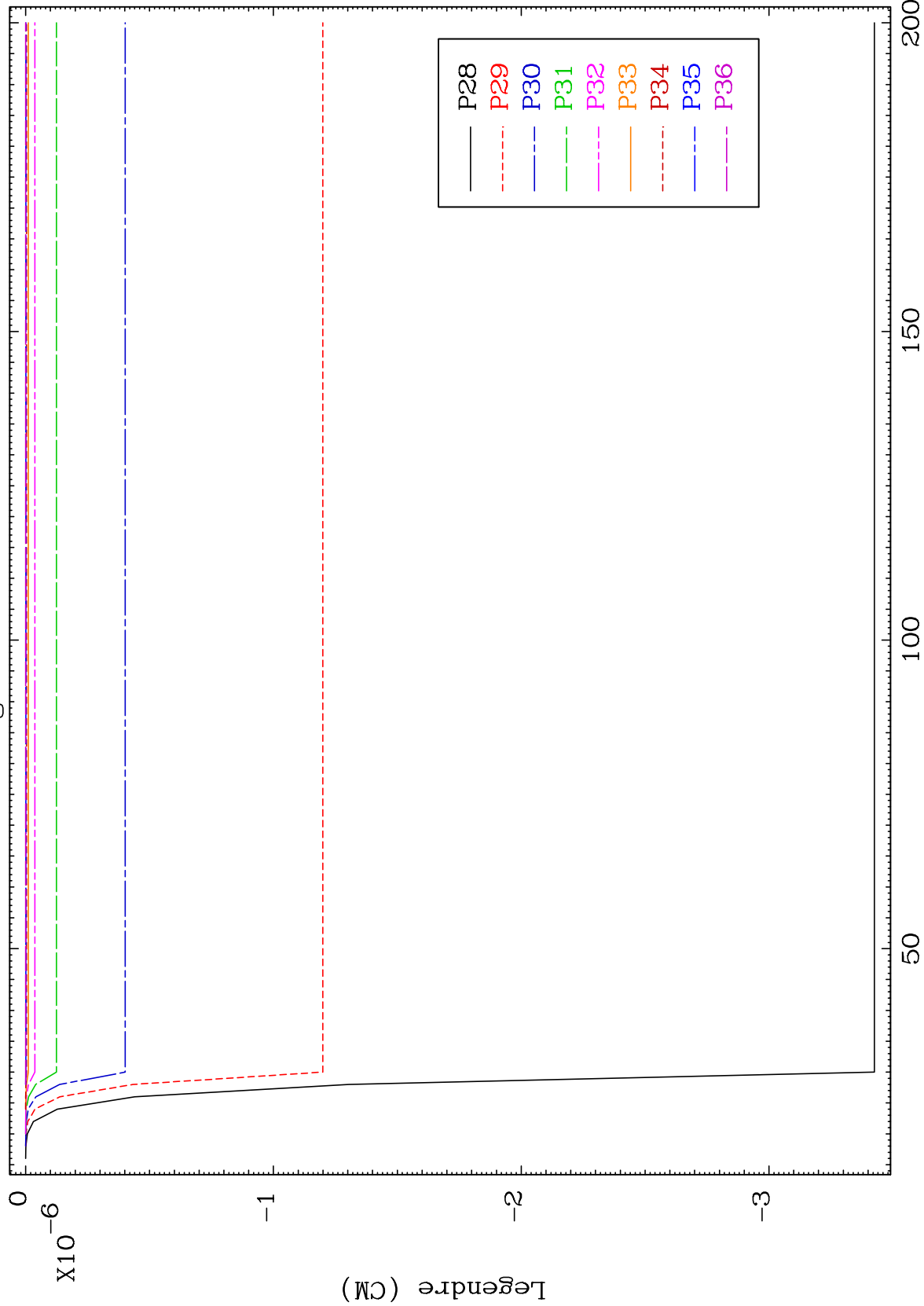
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



86

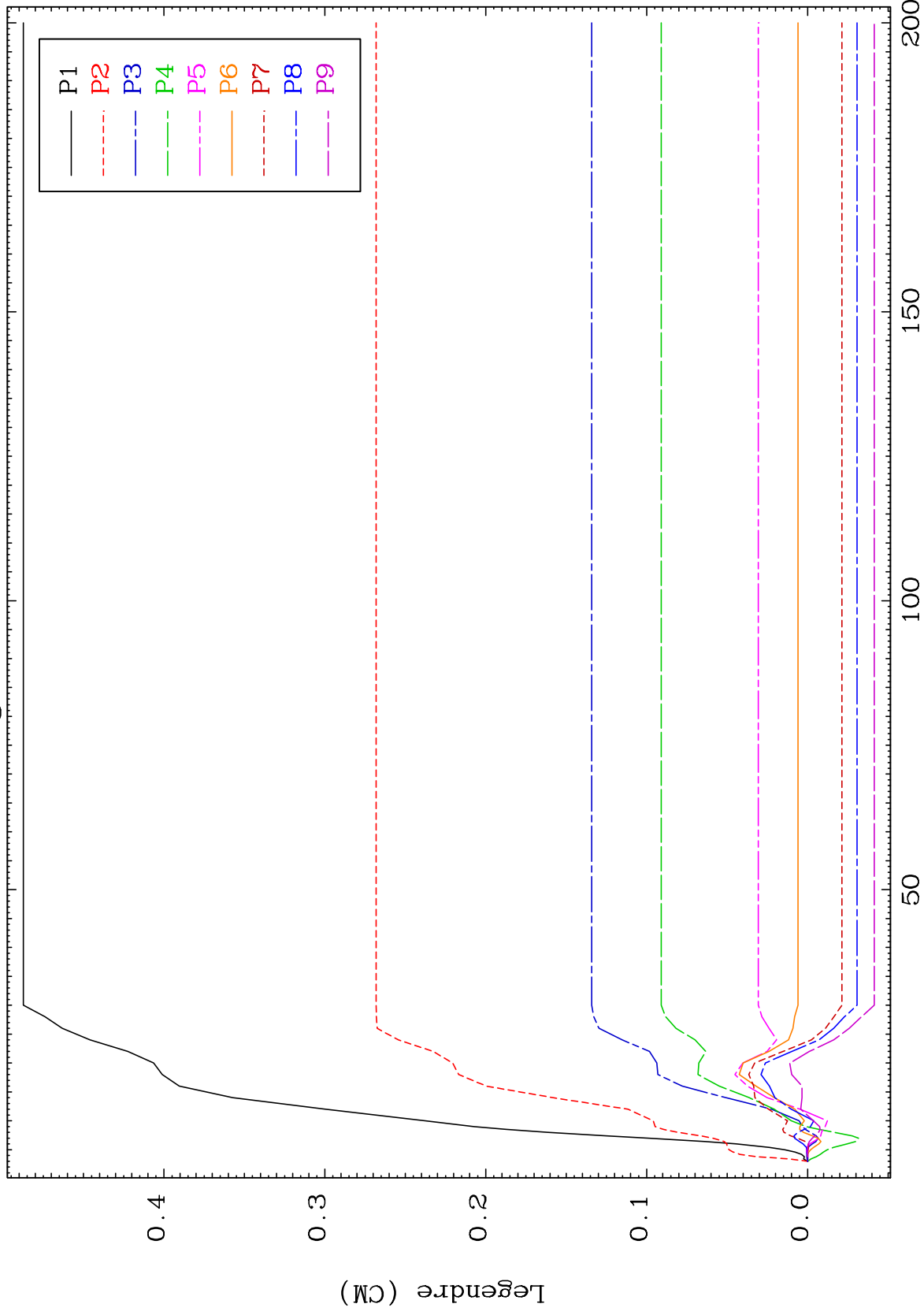
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



87

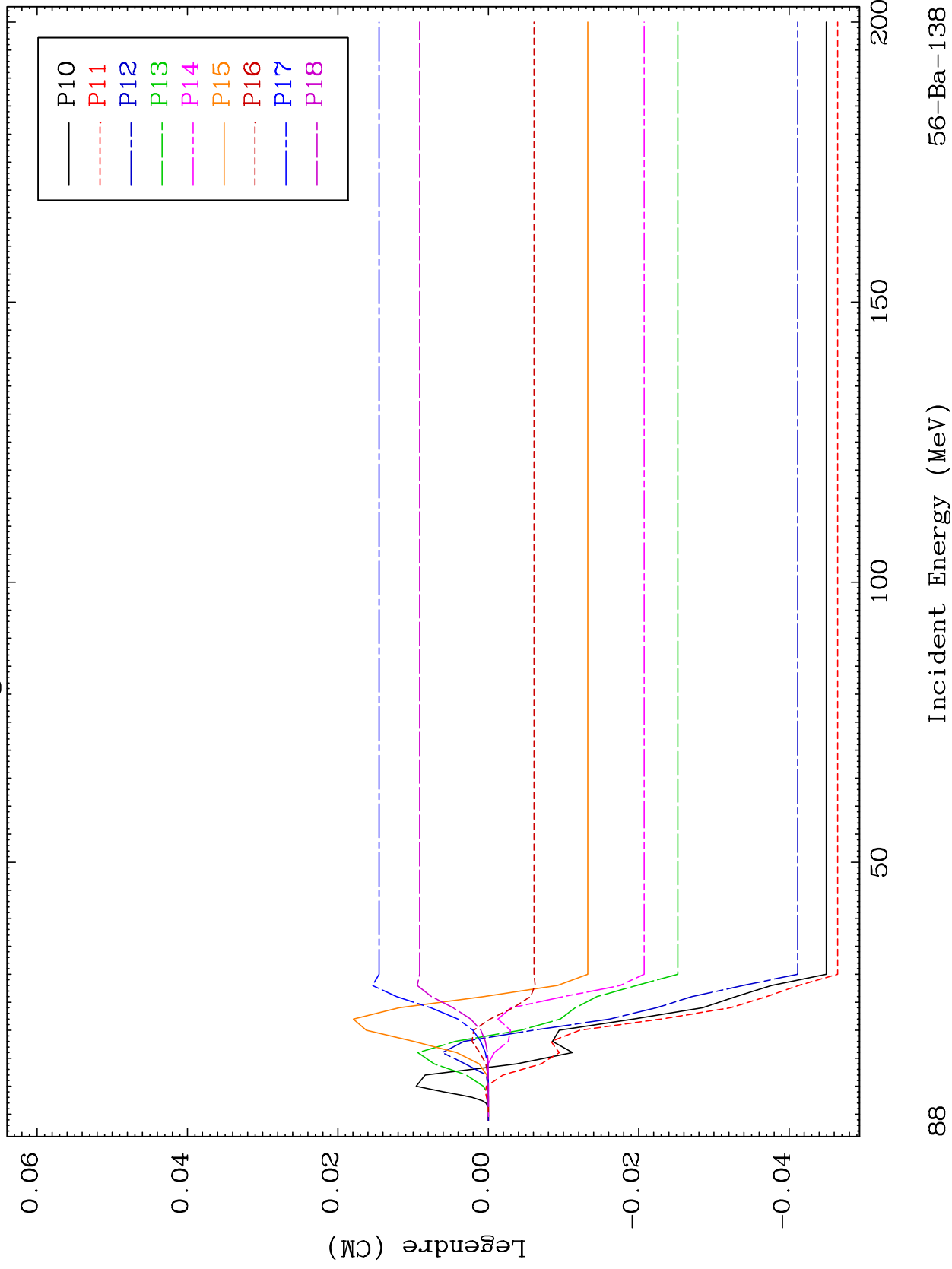
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



88

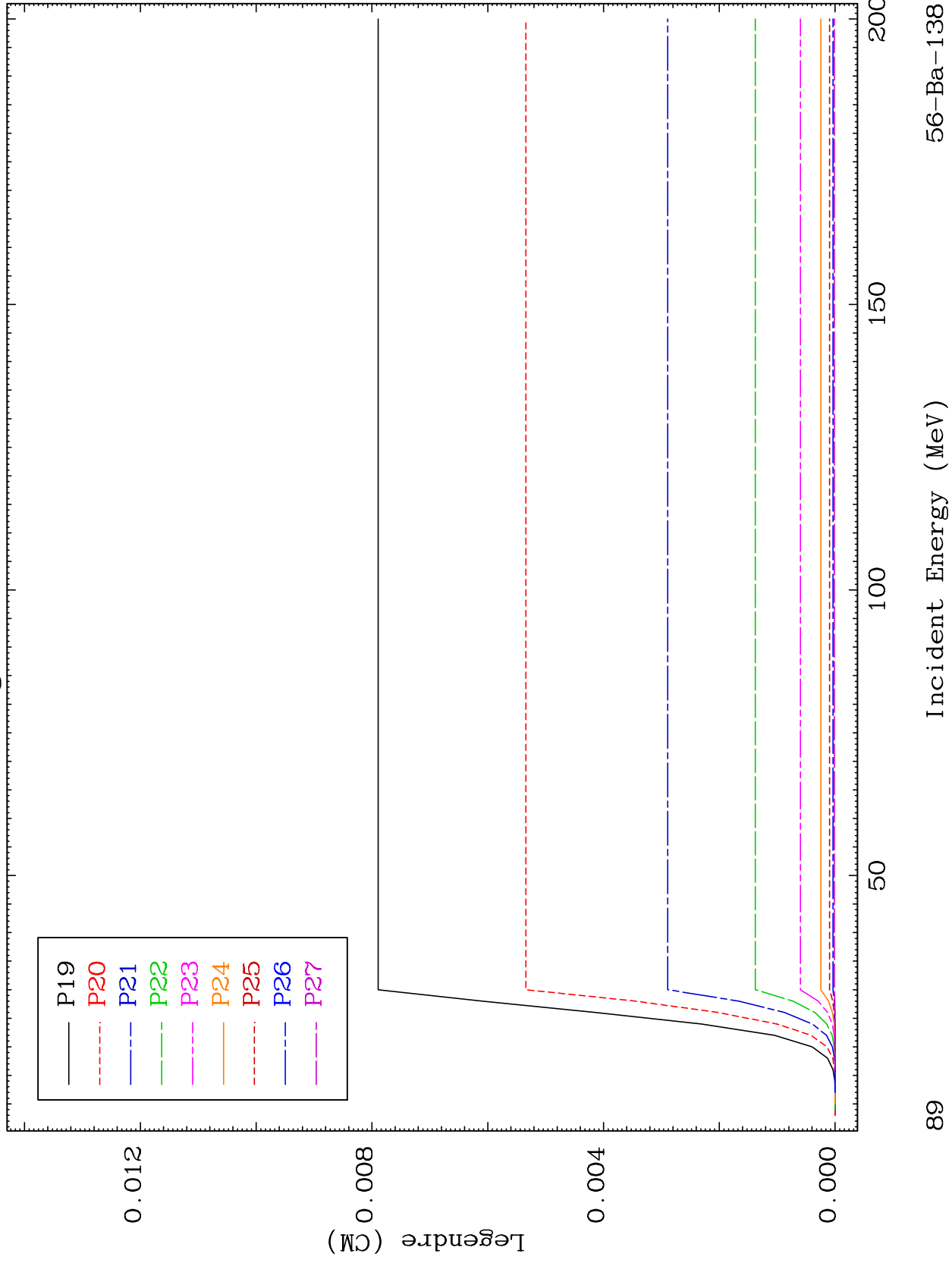
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



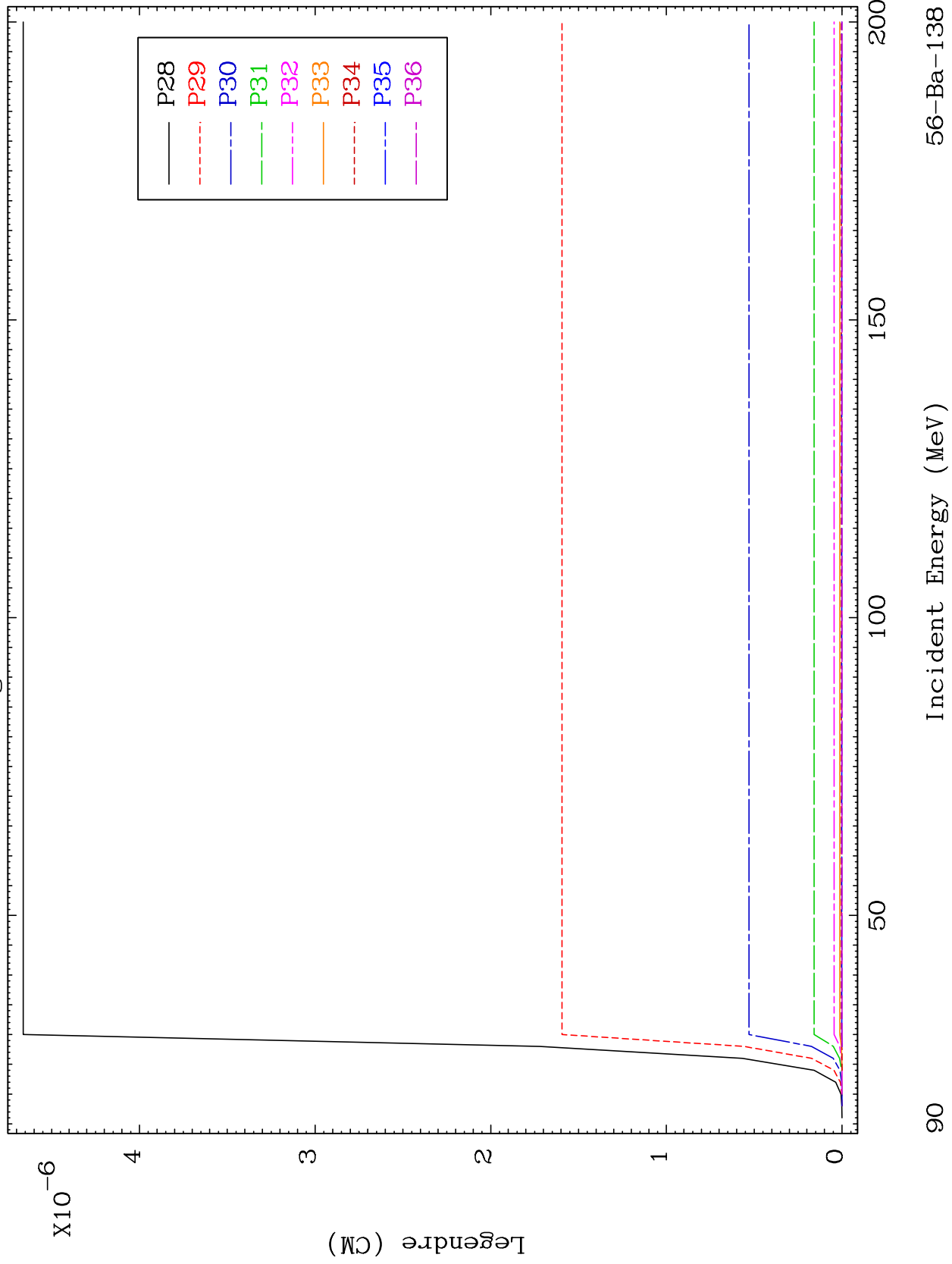
89

56-Ba-138

MAT 5649

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

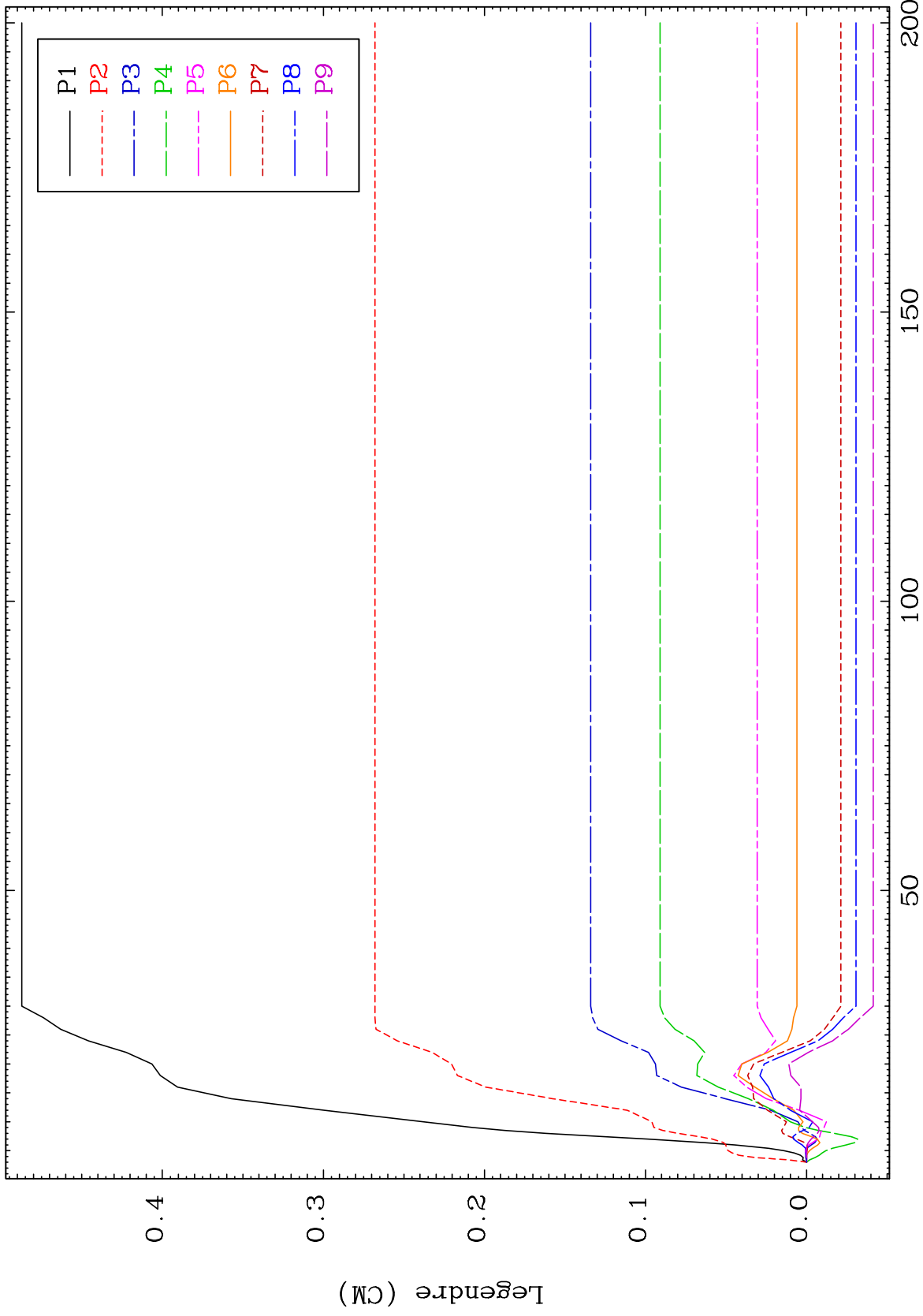
56-Ba-138



MAT 5649

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

56-Ba-138



91

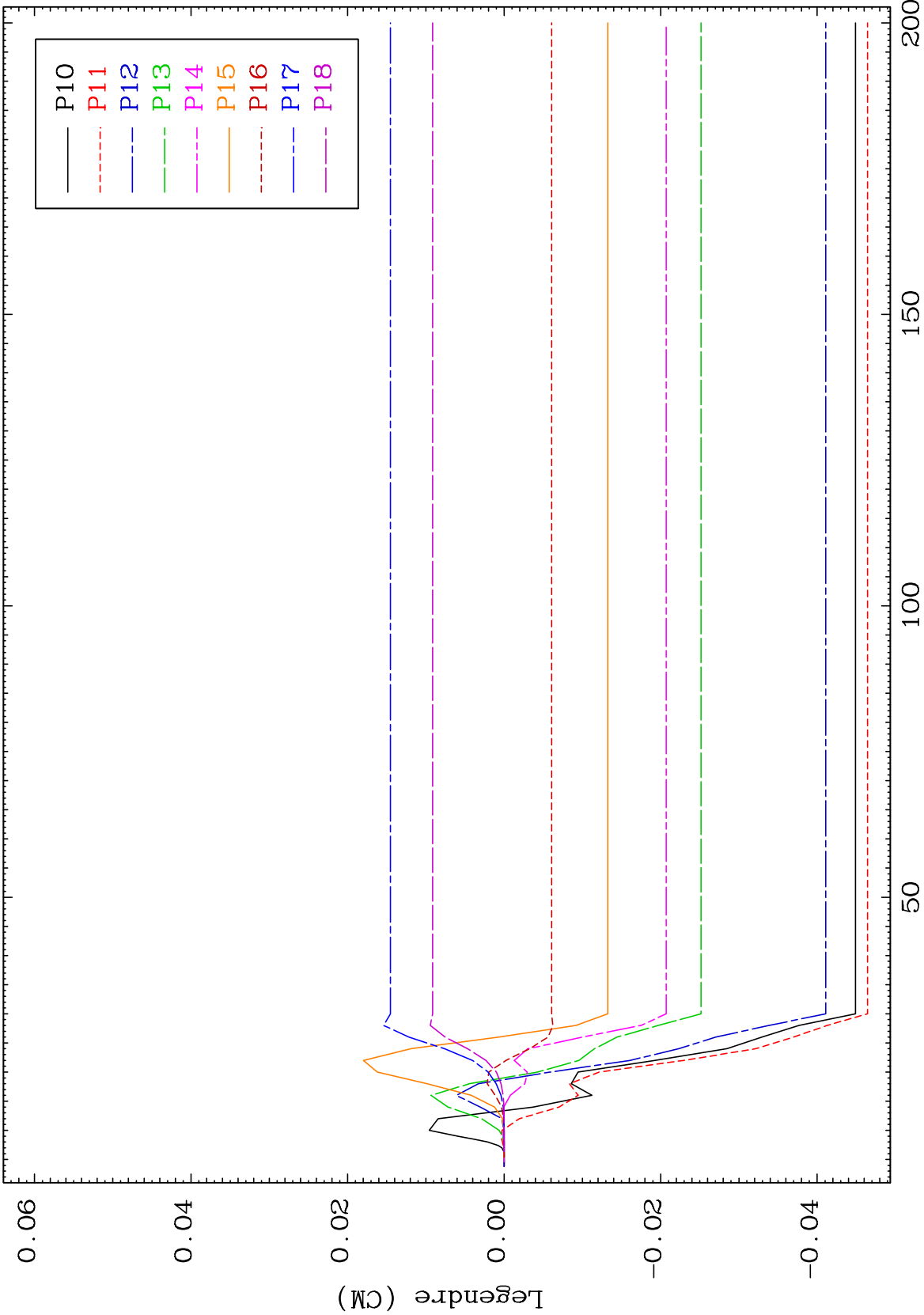
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



92

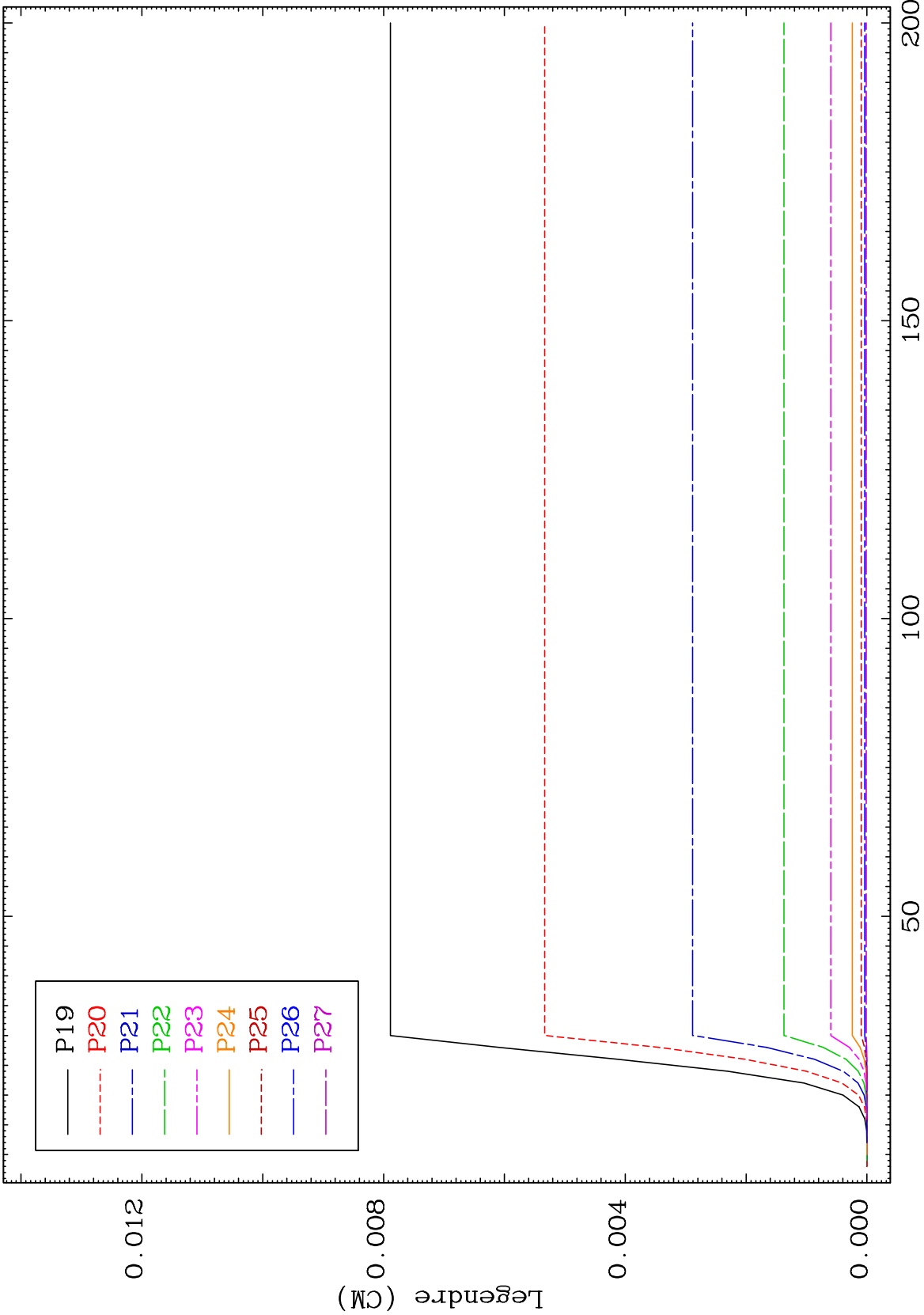
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



93

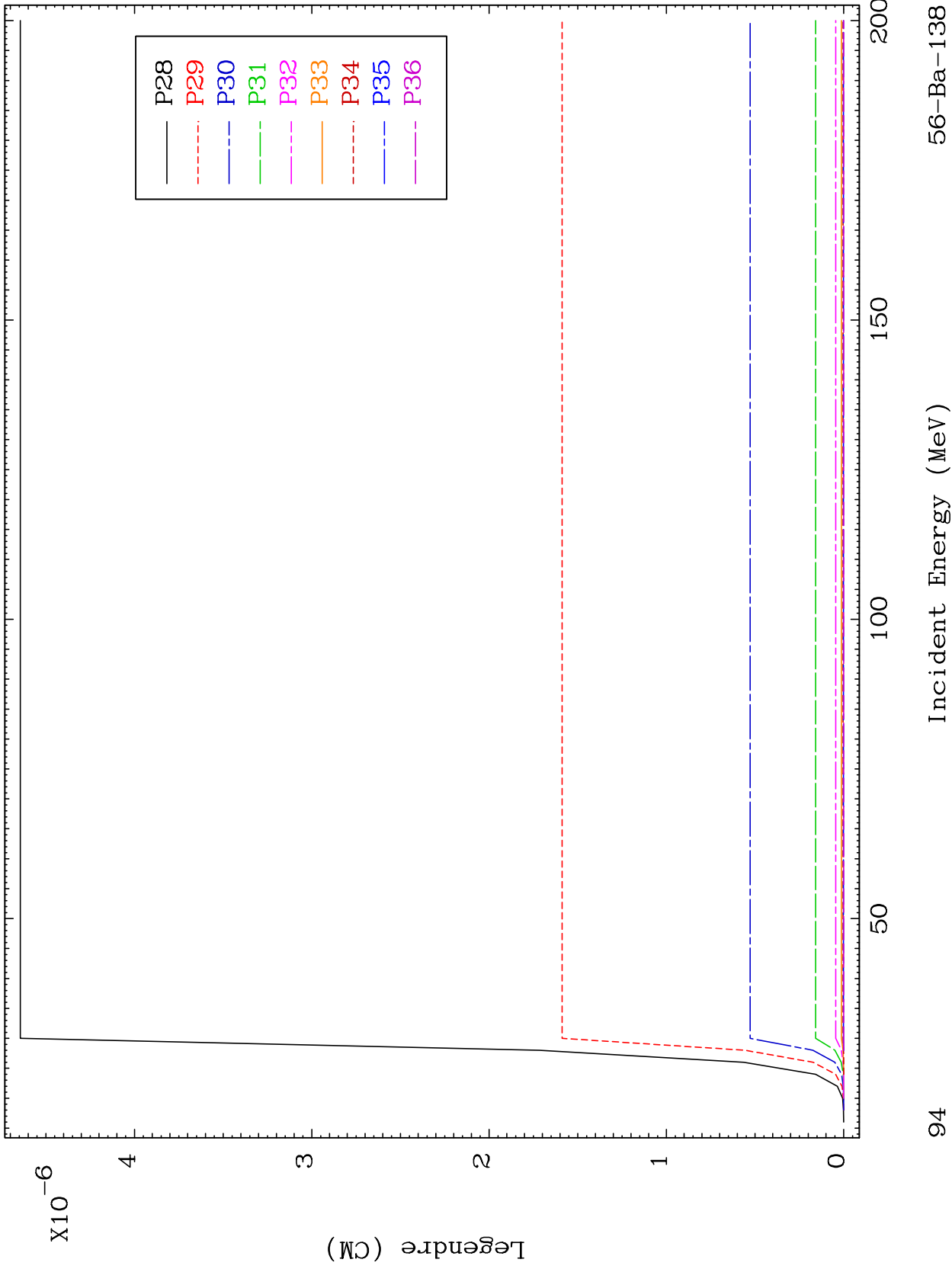
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

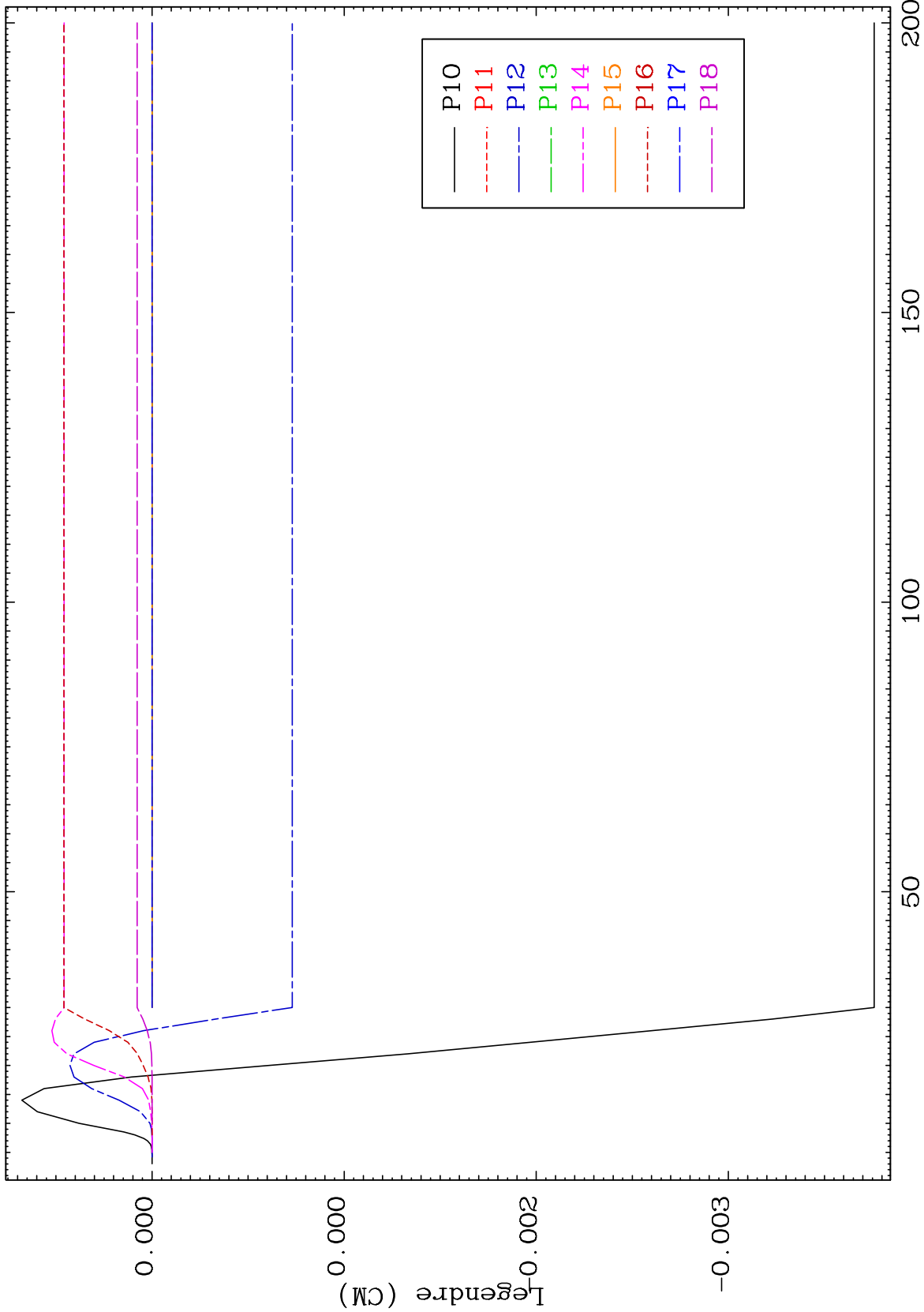
56-Ba-138



MAT 5649

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

56-Ba-138



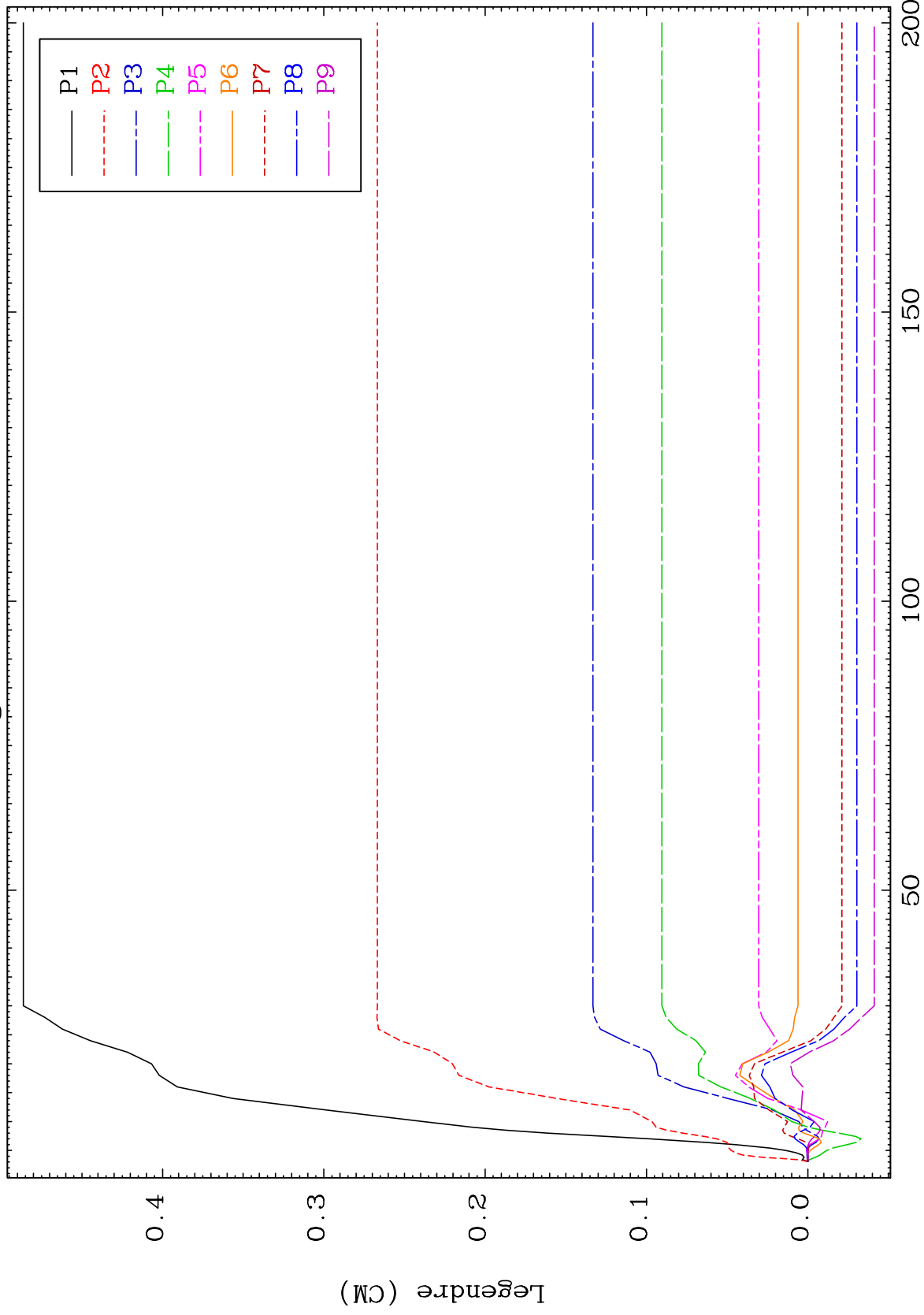
96

56-Ba-138

MAT 5649

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

56-Ba-138



98

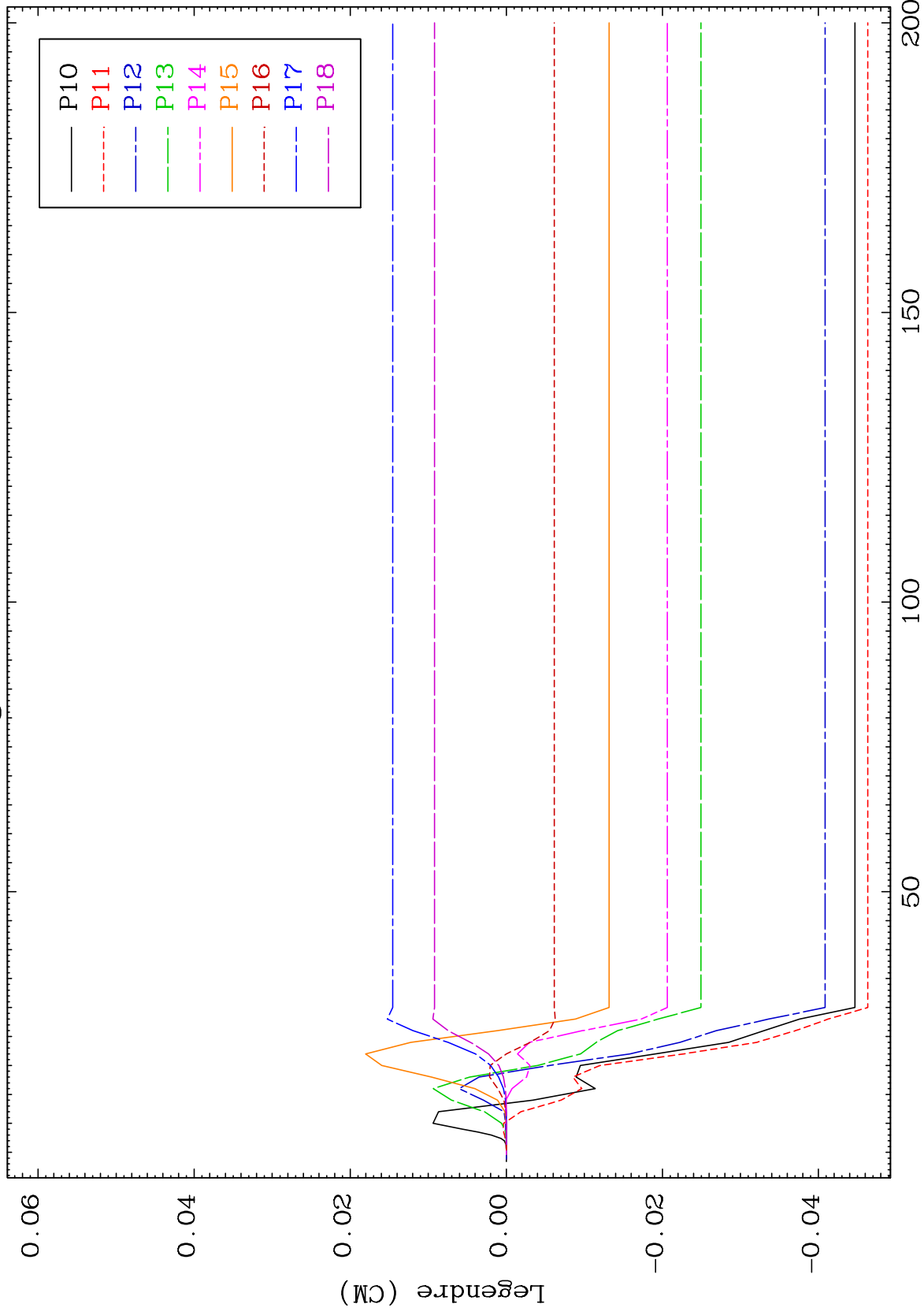
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



99

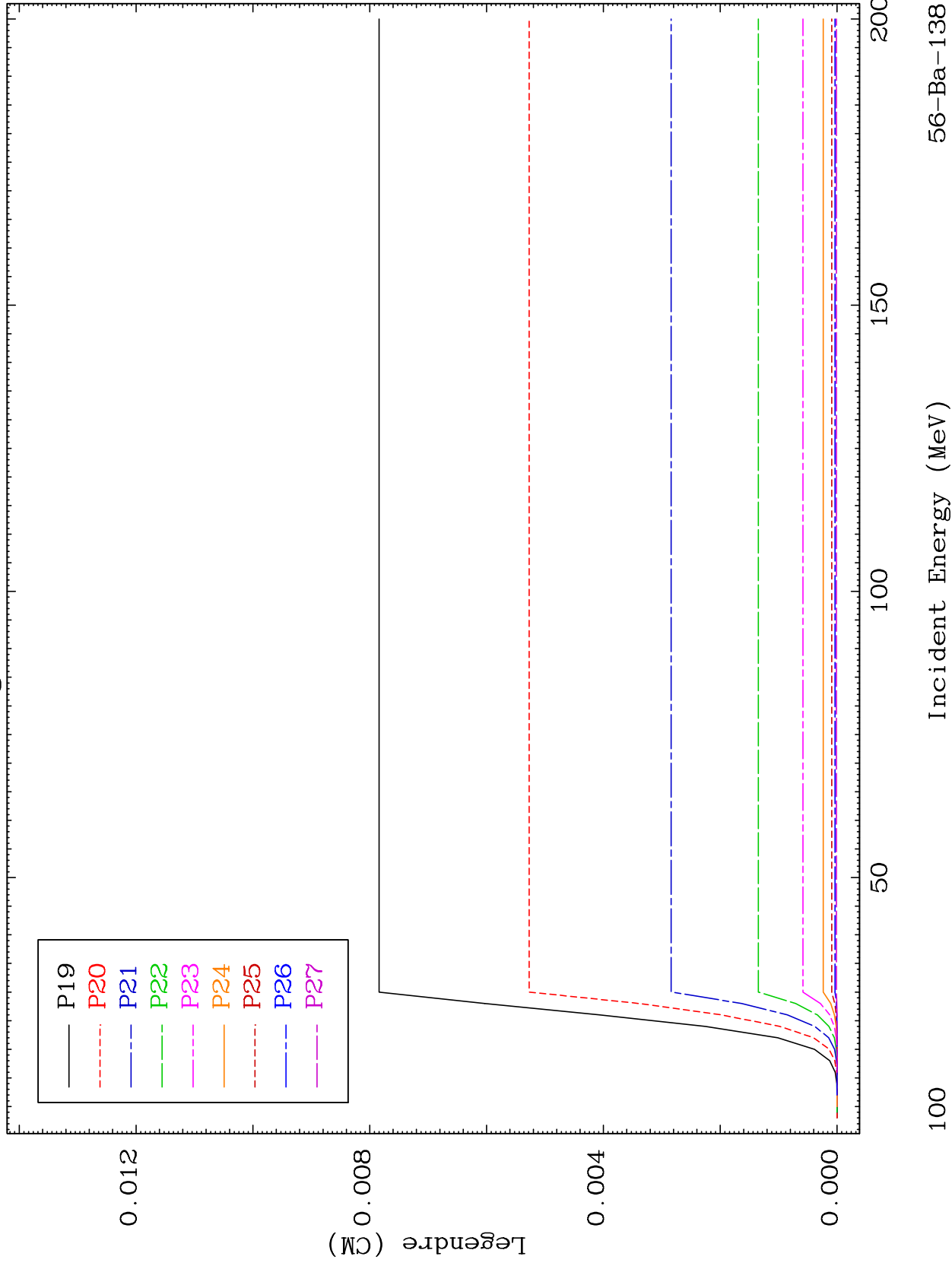
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138

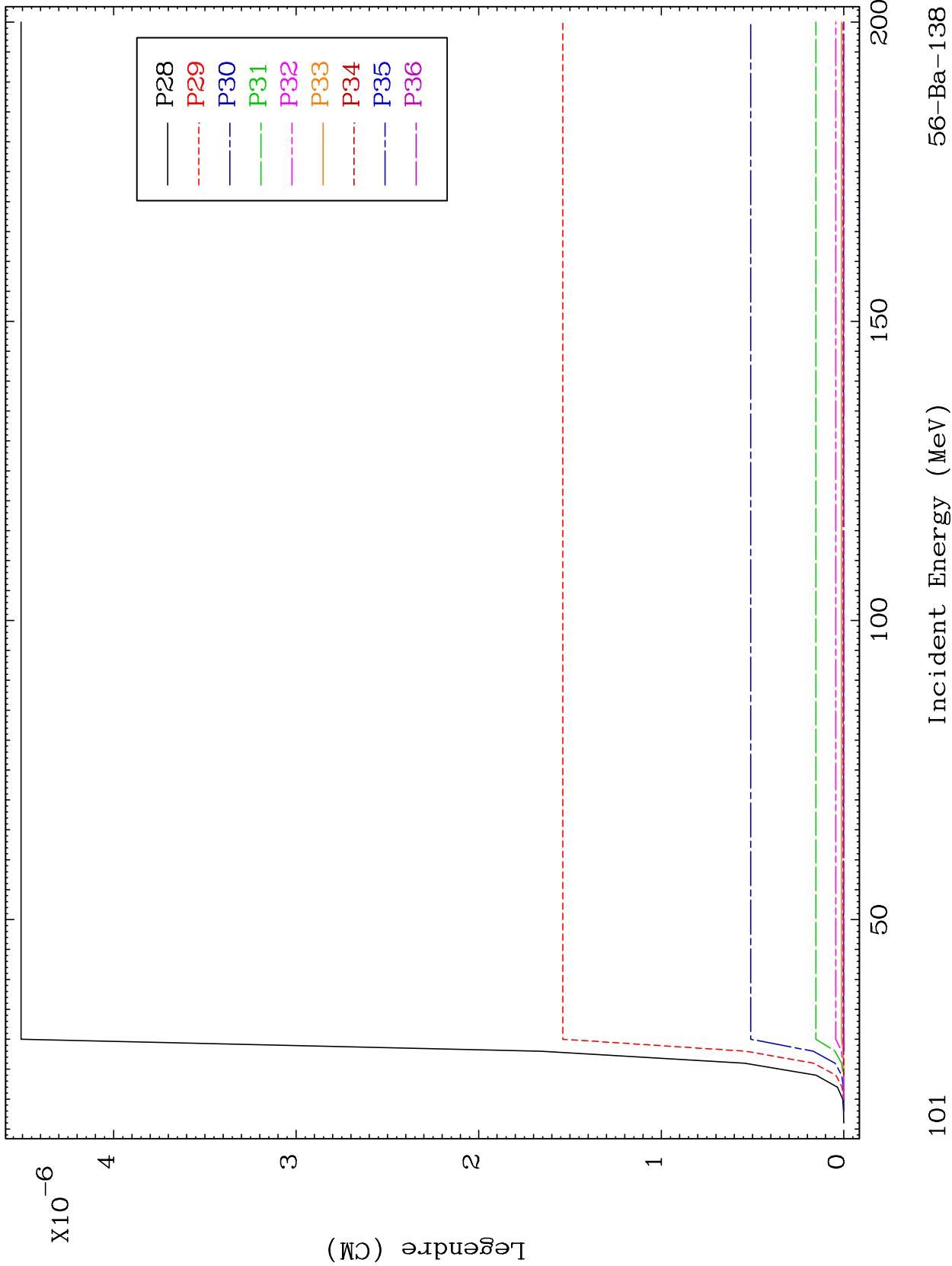


56-Ba-138

MAT 5649

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

56-Ba-138

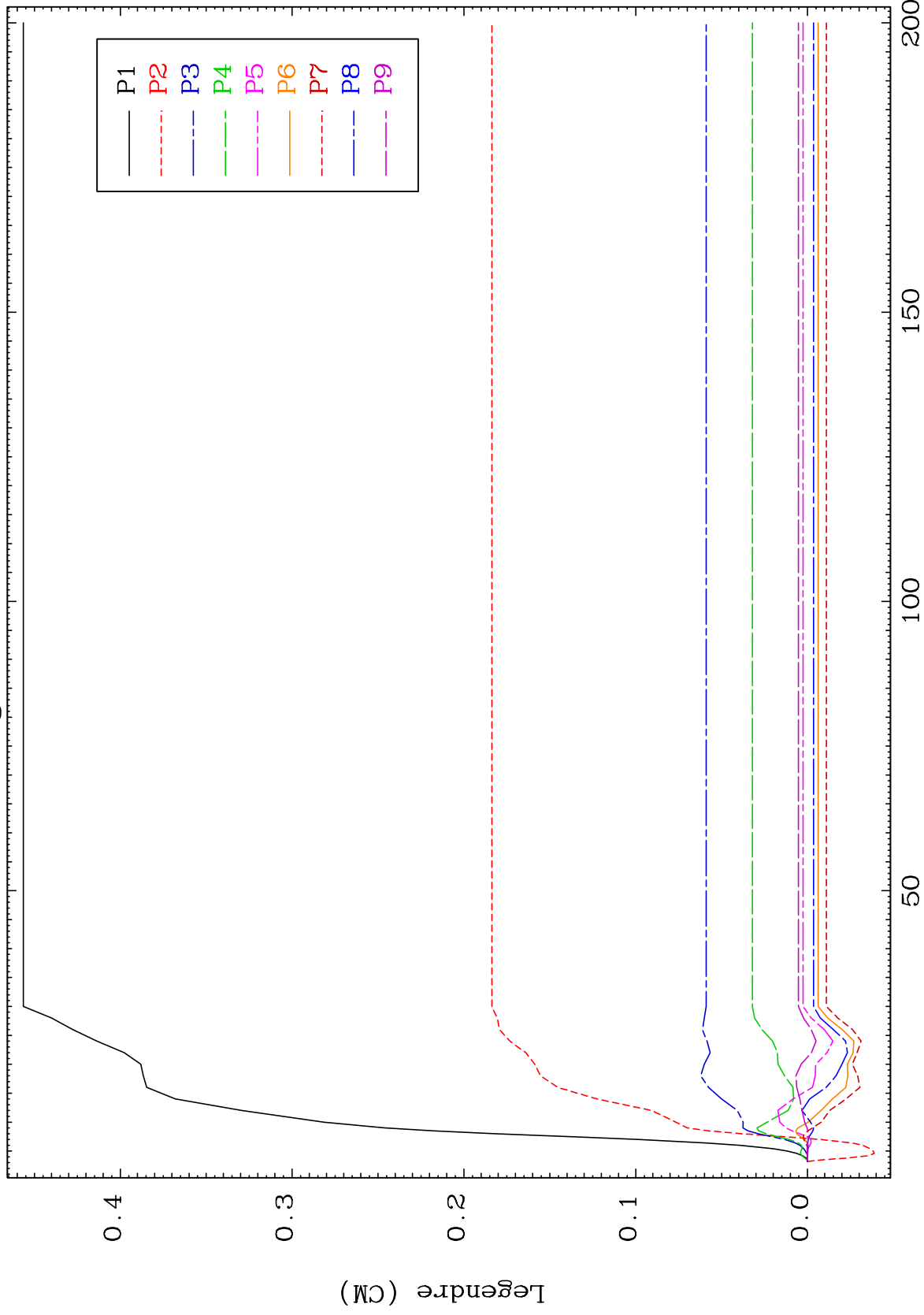


101

MAT 5649

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

56-Ba-138



56-Ba-138

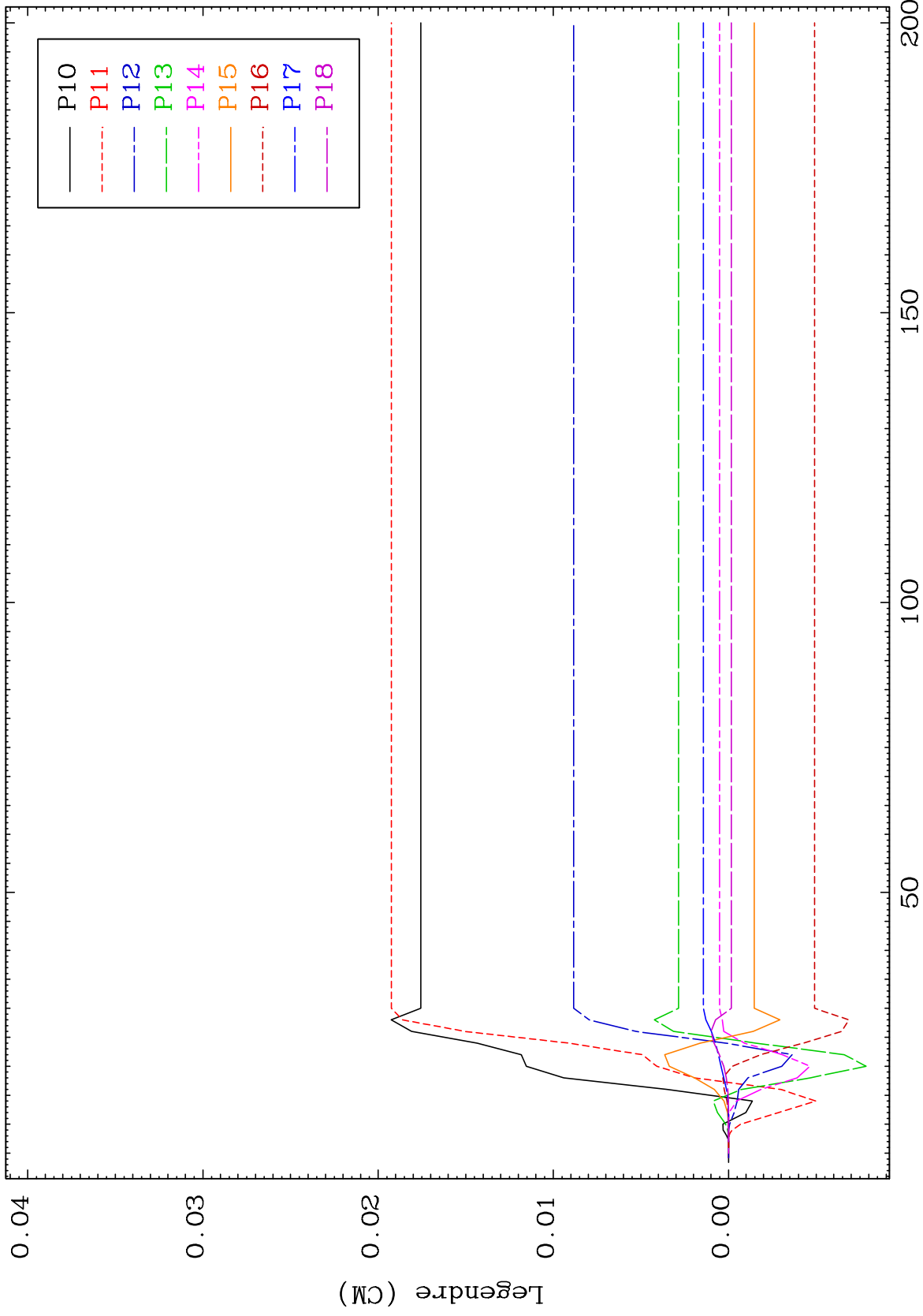
Incident Energy (MeV)

102

MAT 5649

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

56-Ba-138



103

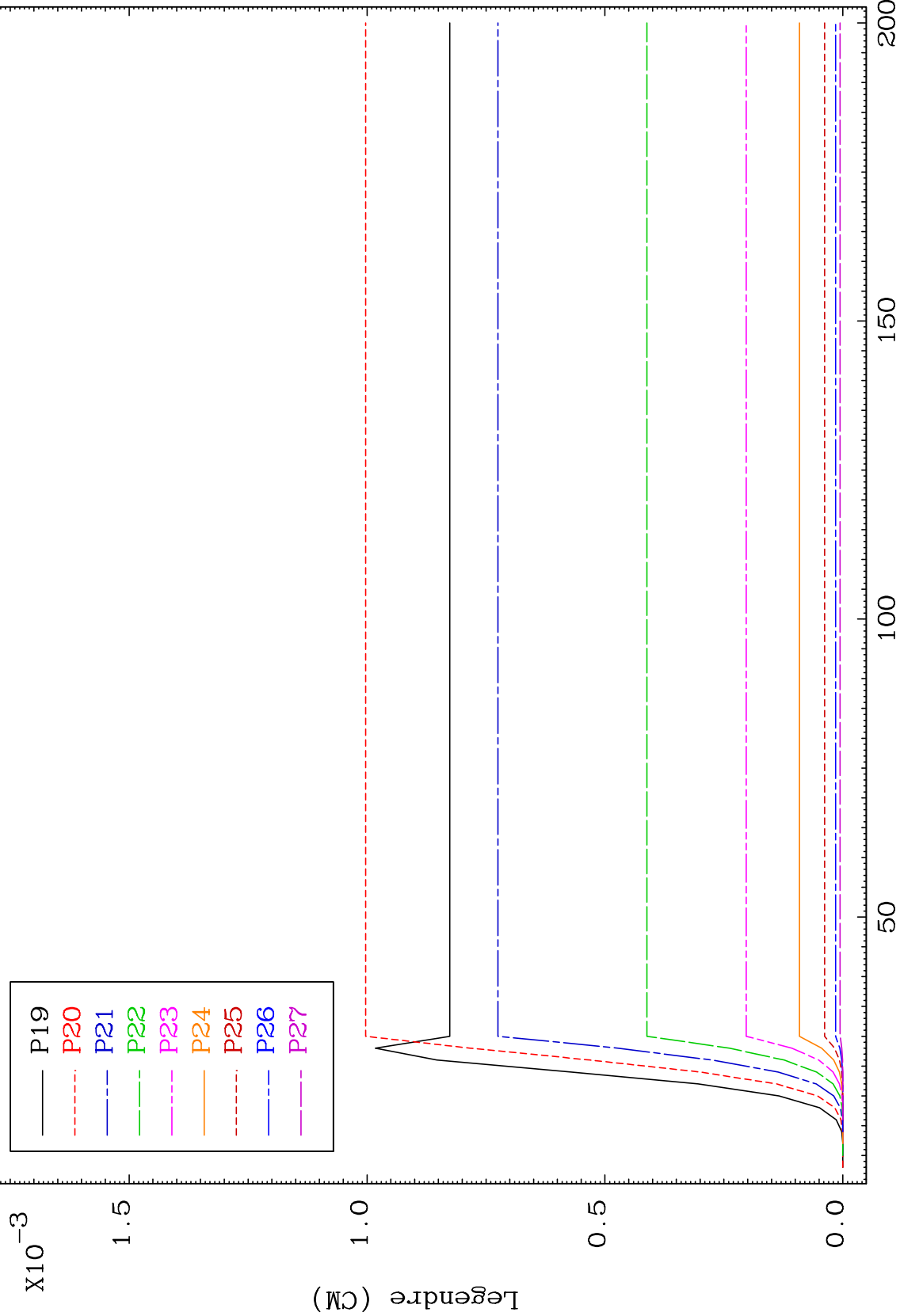
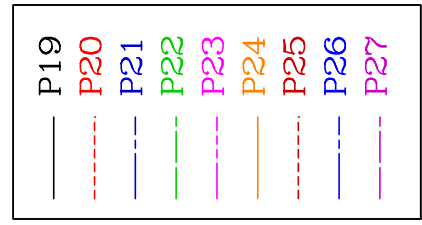
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



104

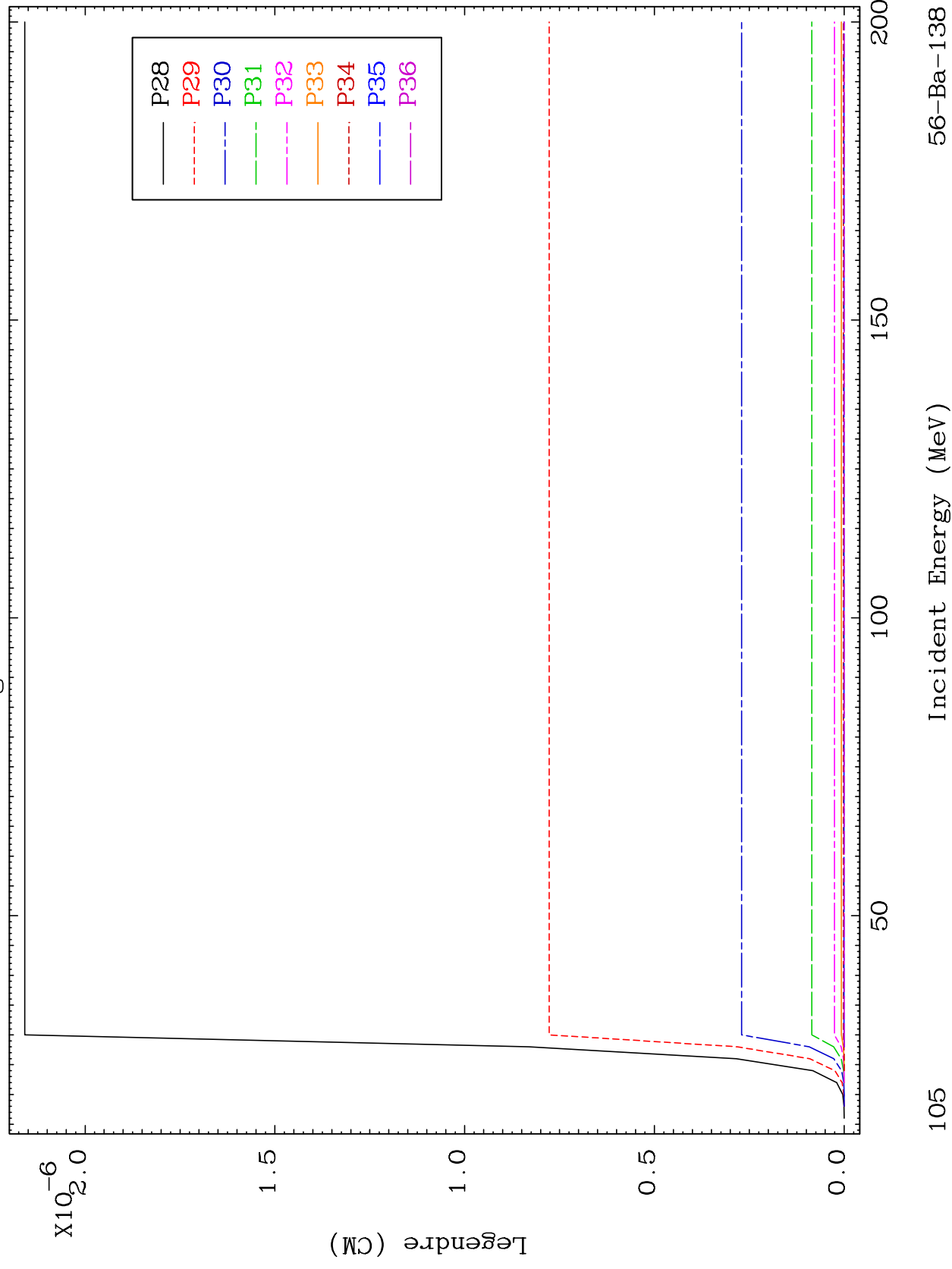
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

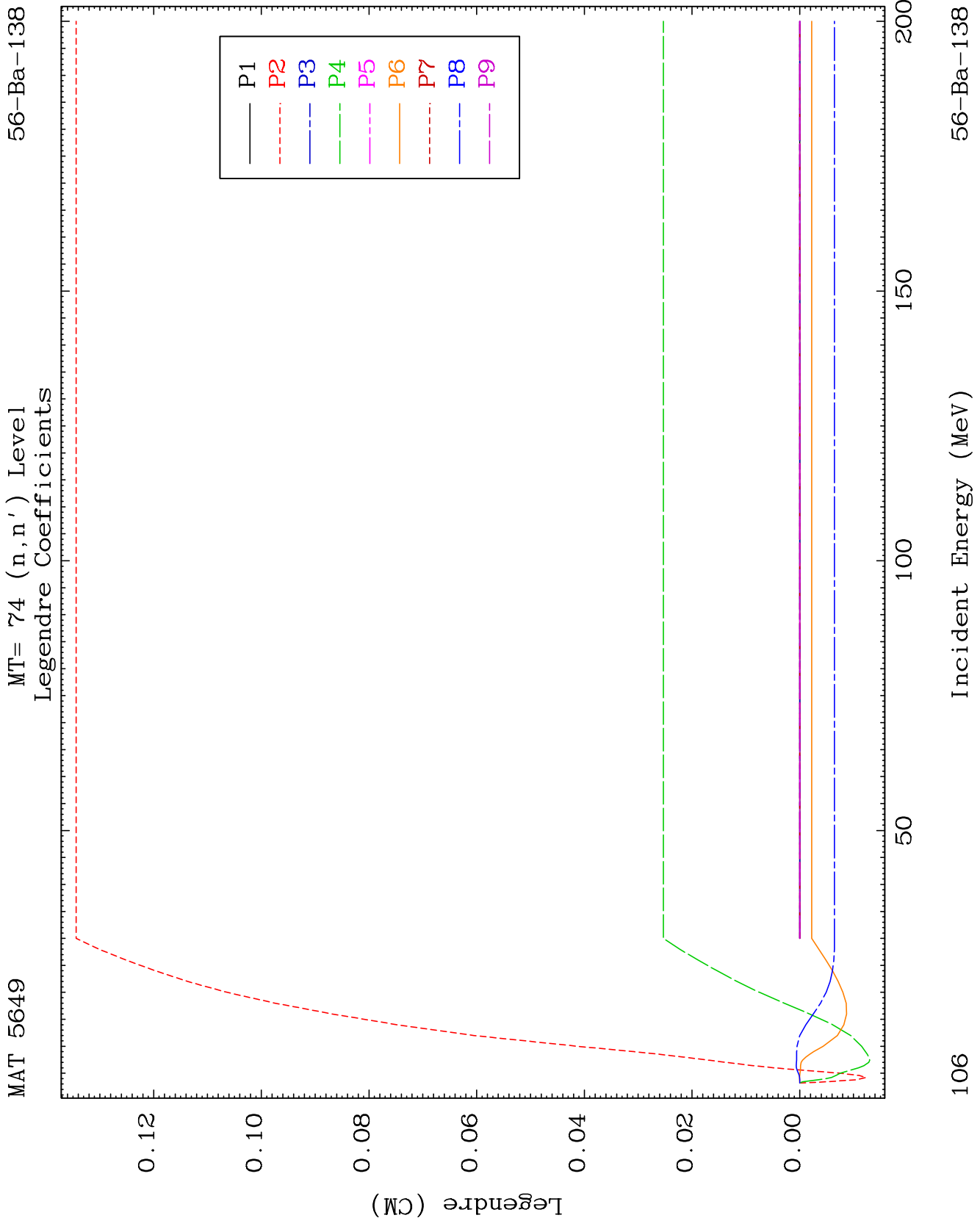
56-Ba-138



56-Ba-138

Incident Energy (MeV)

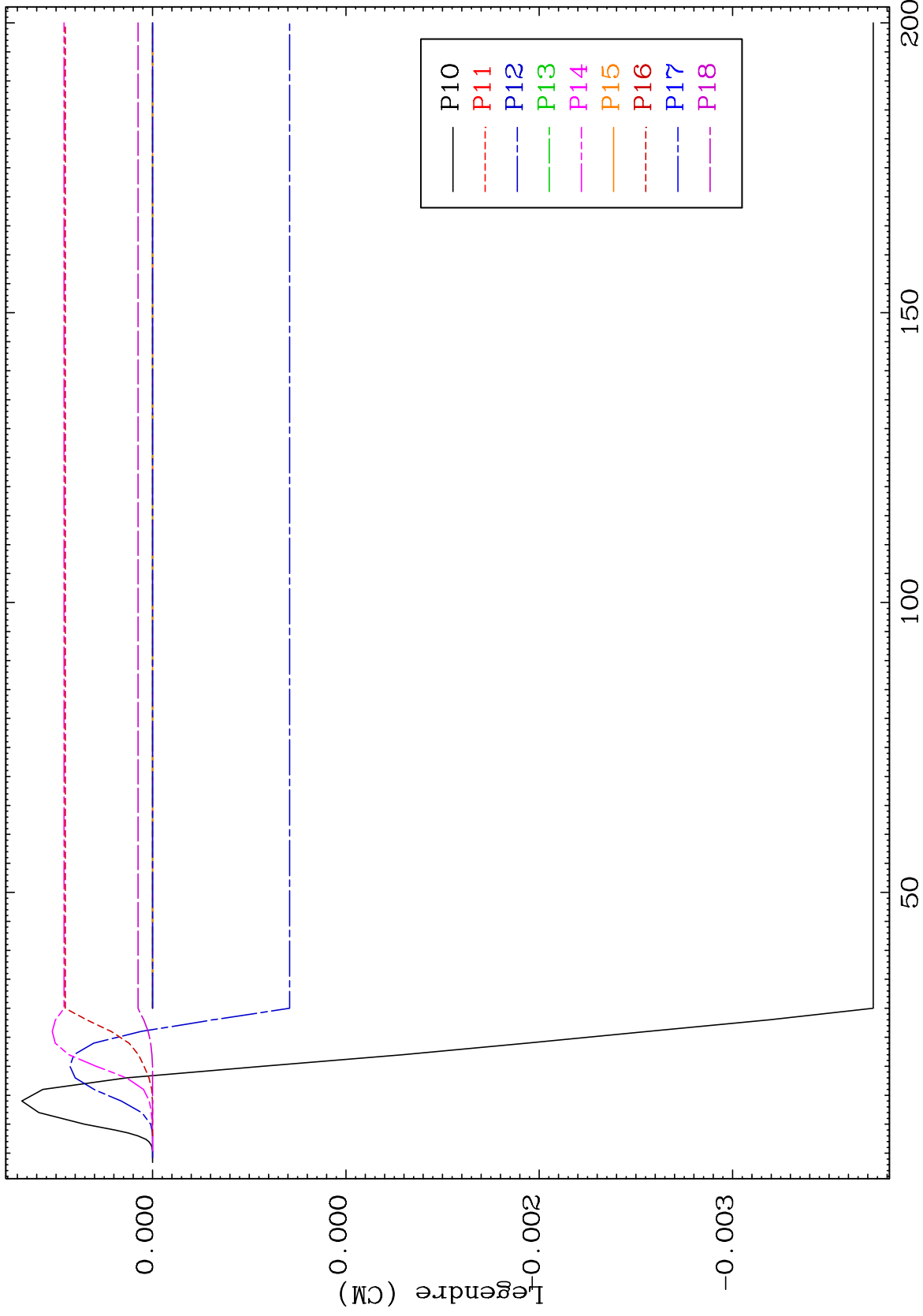
105



MAT 5649

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

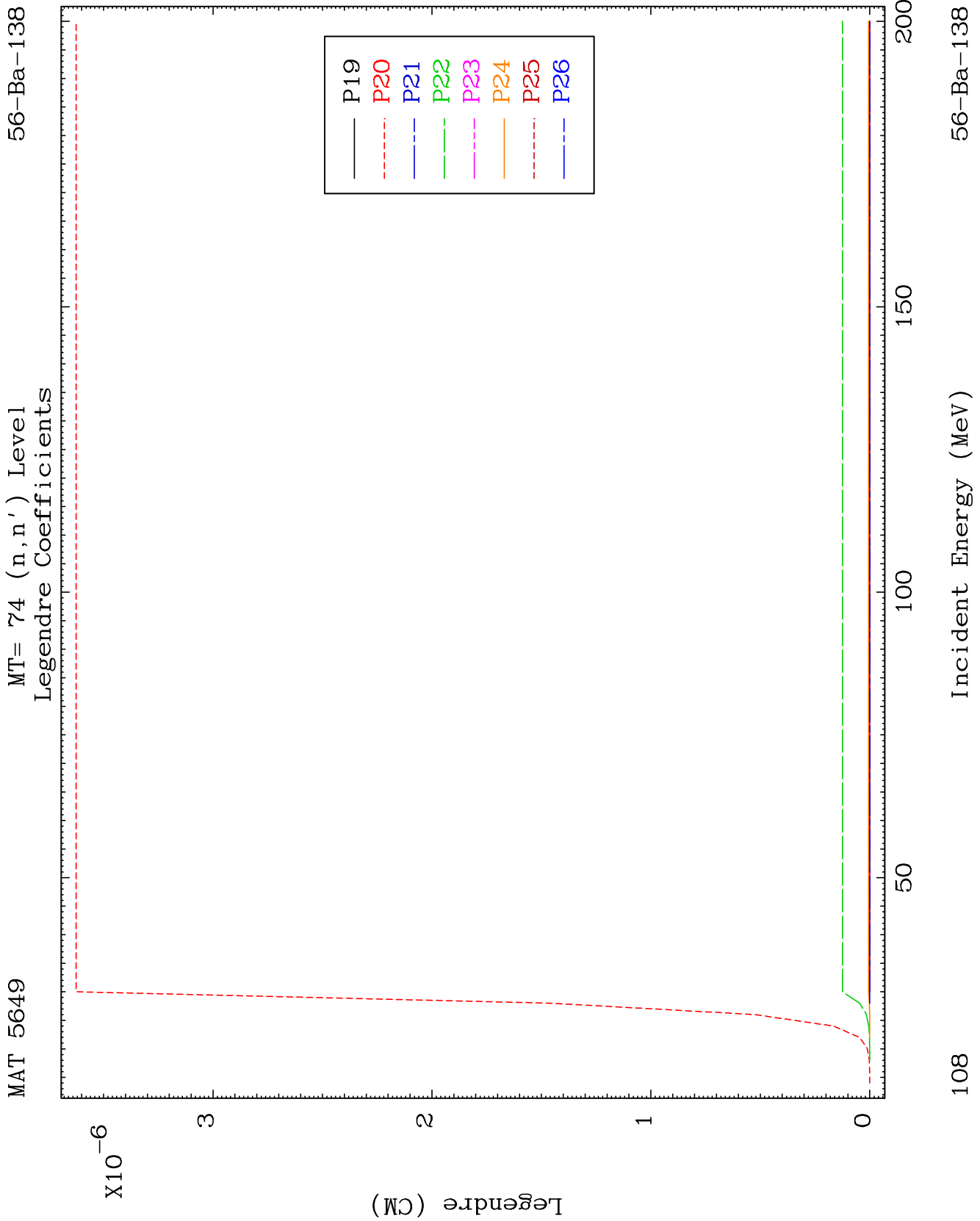
56-Ba-138



107

Incident Energy (MeV)

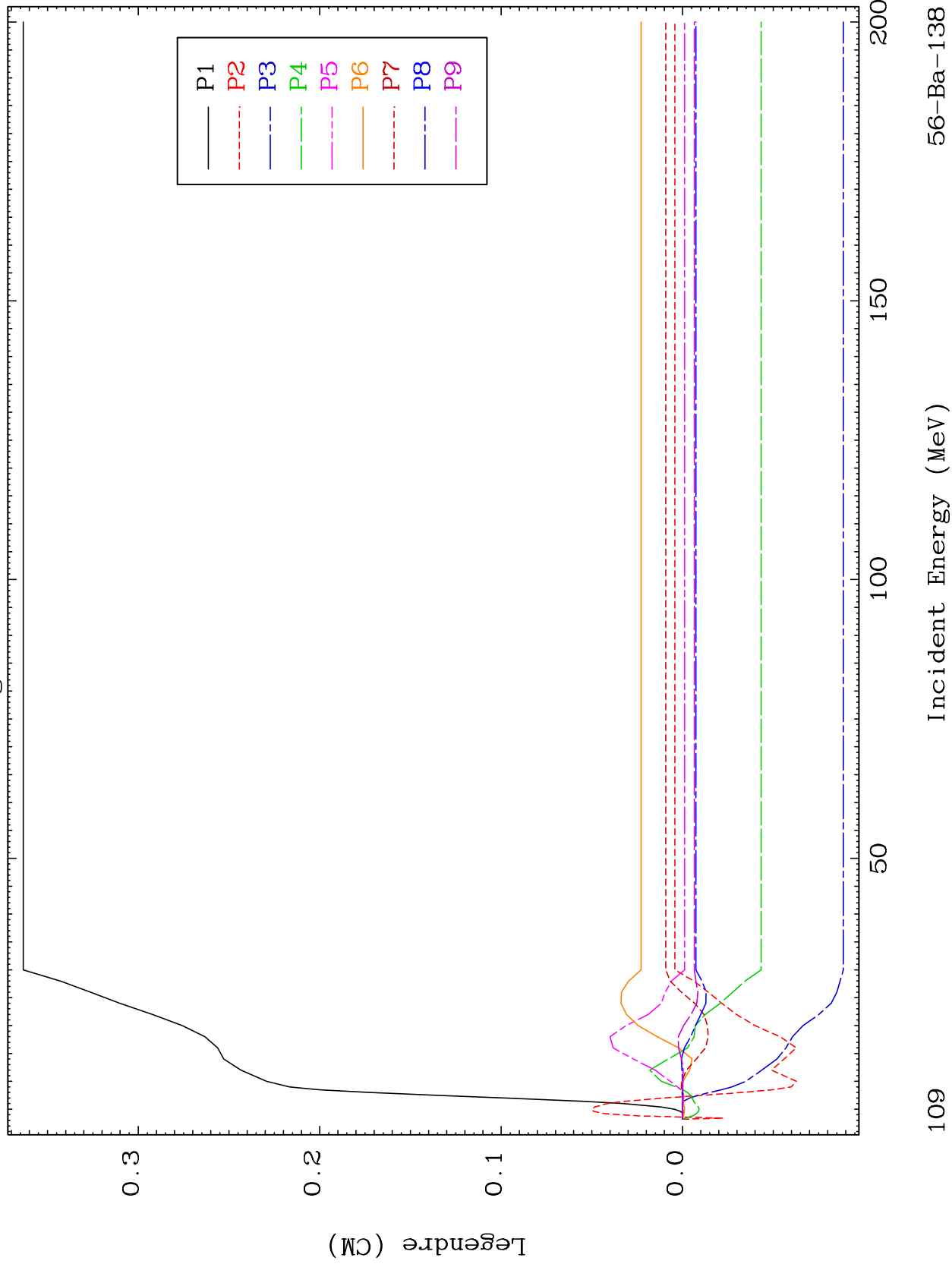
56-Ba-138



MAT 5649

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

56-Ba-138



56-Ba-138

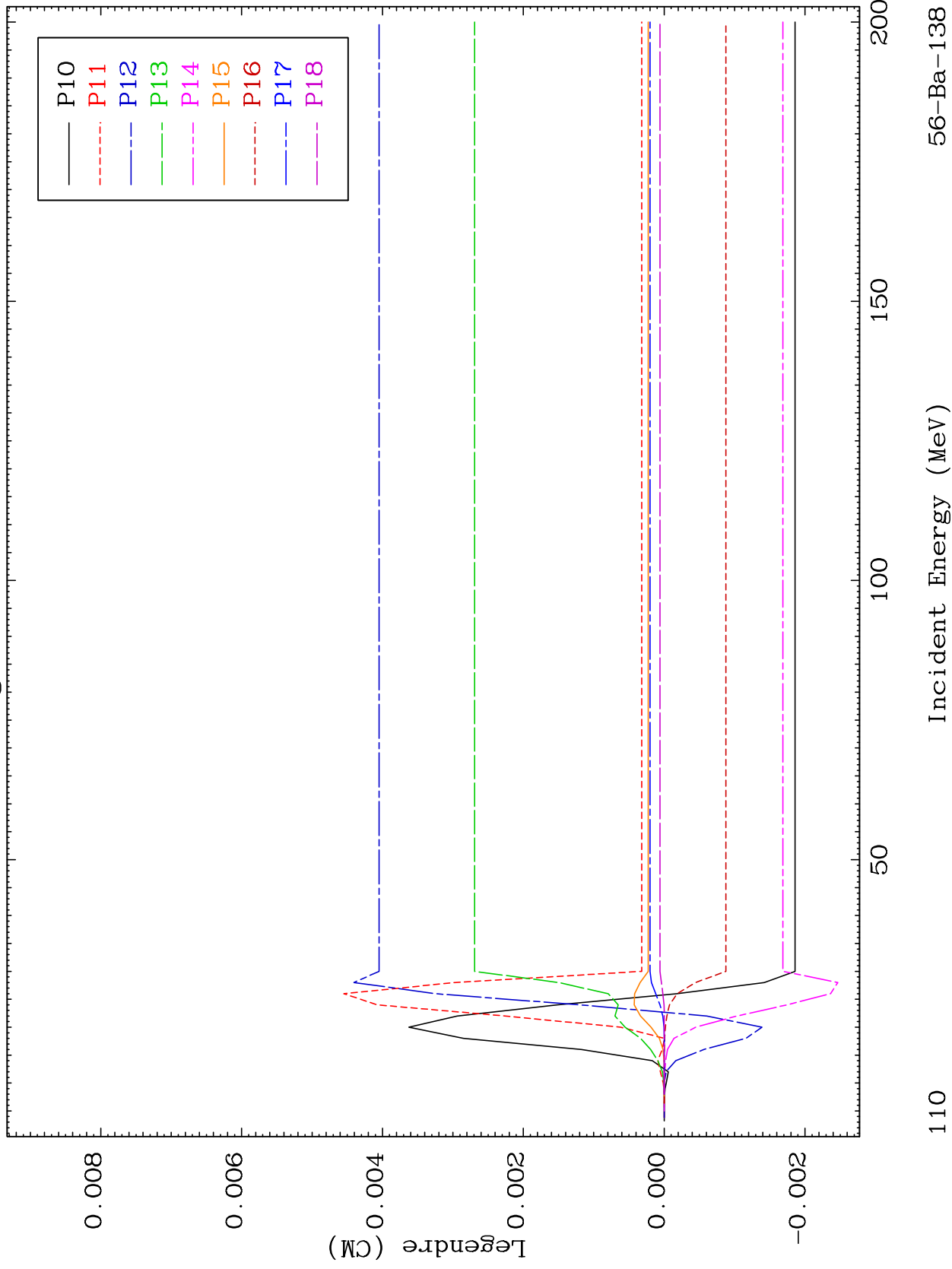
Incident Energy (MeV)

109

MAT 5649

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

56-Ba-138



56-Ba-138

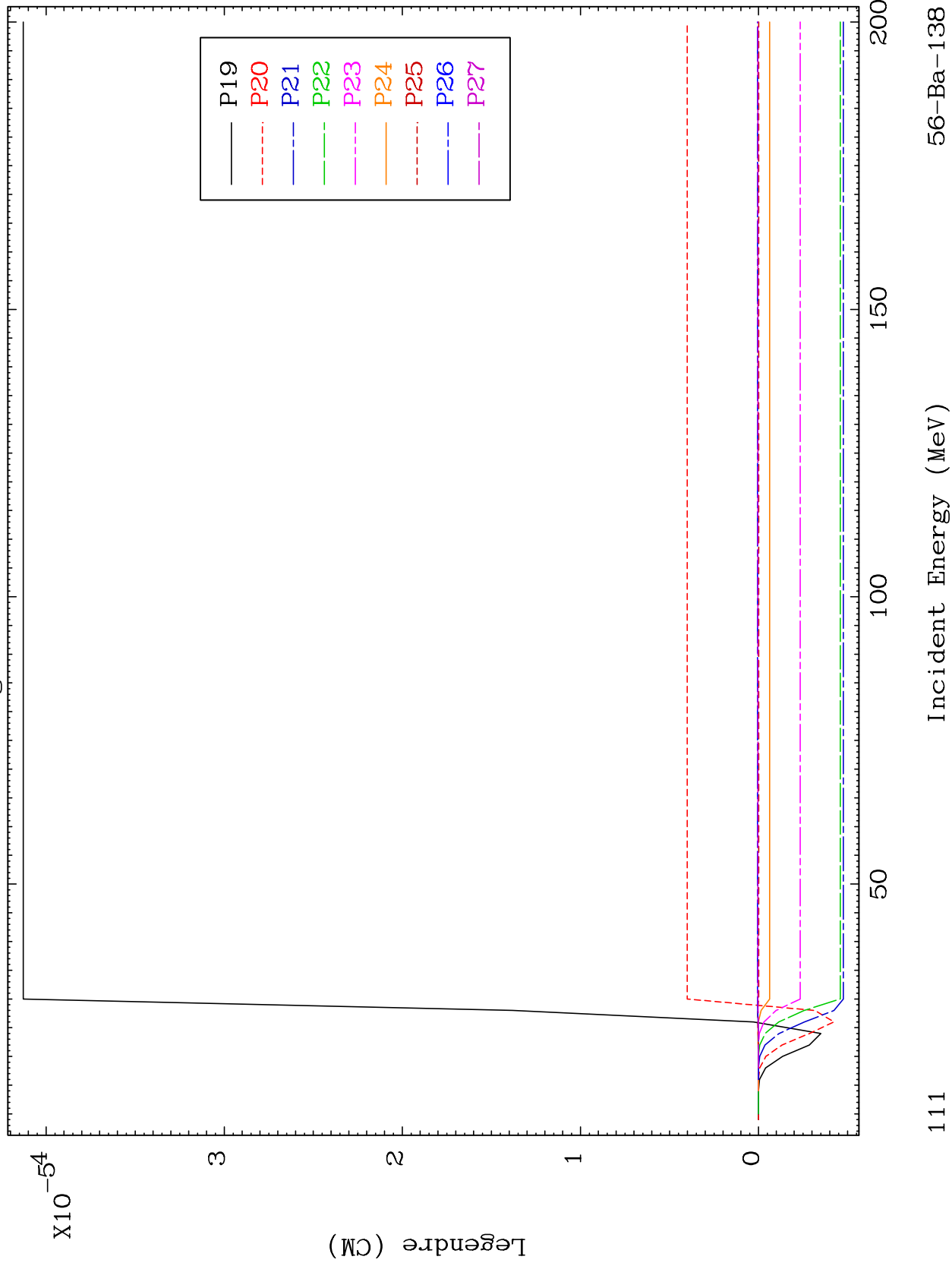
Incident Energy (MeV)

110

MAT 5649

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

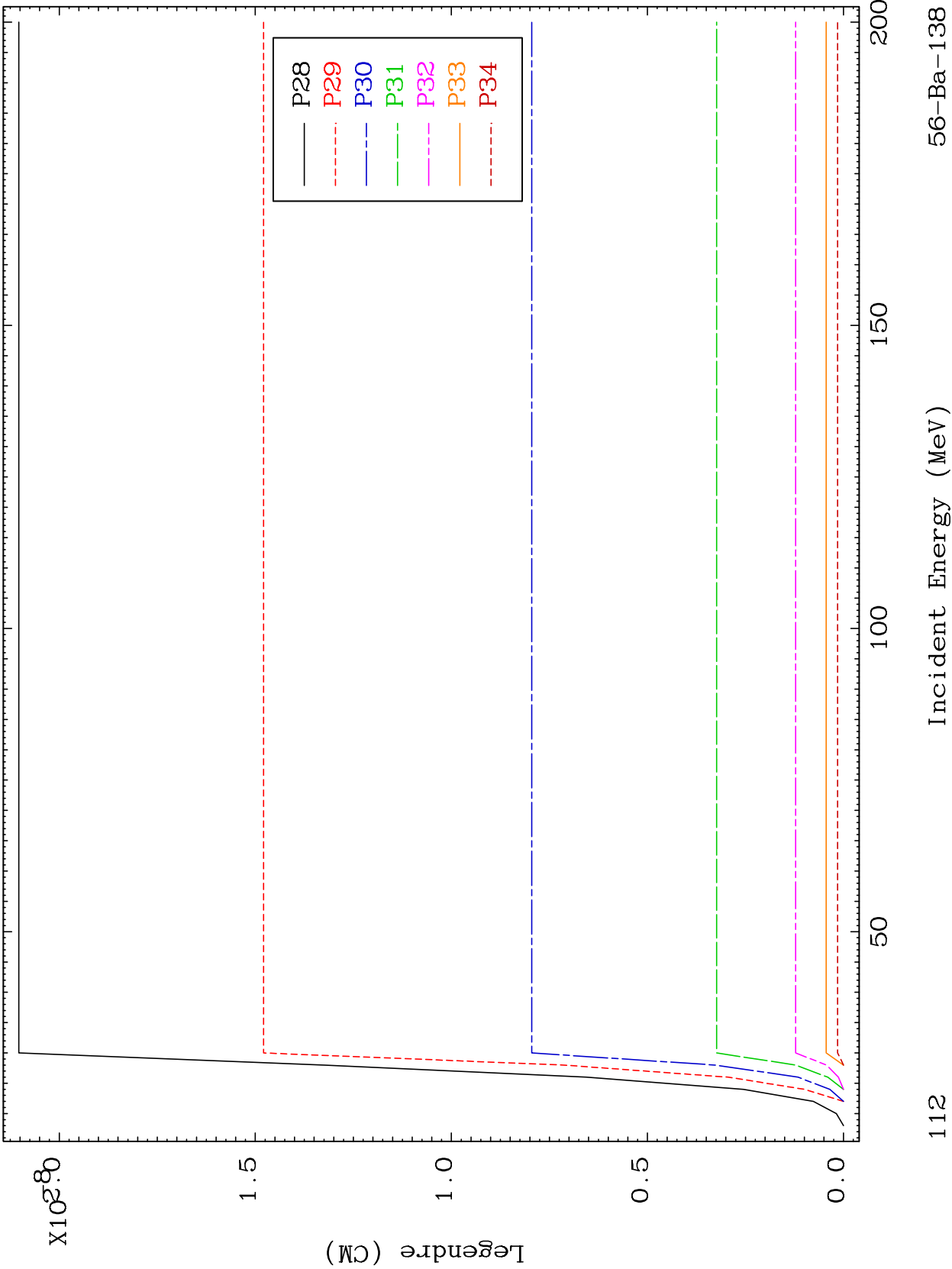
56-Ba-138



MAT 5649

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

56-Ba-138



112

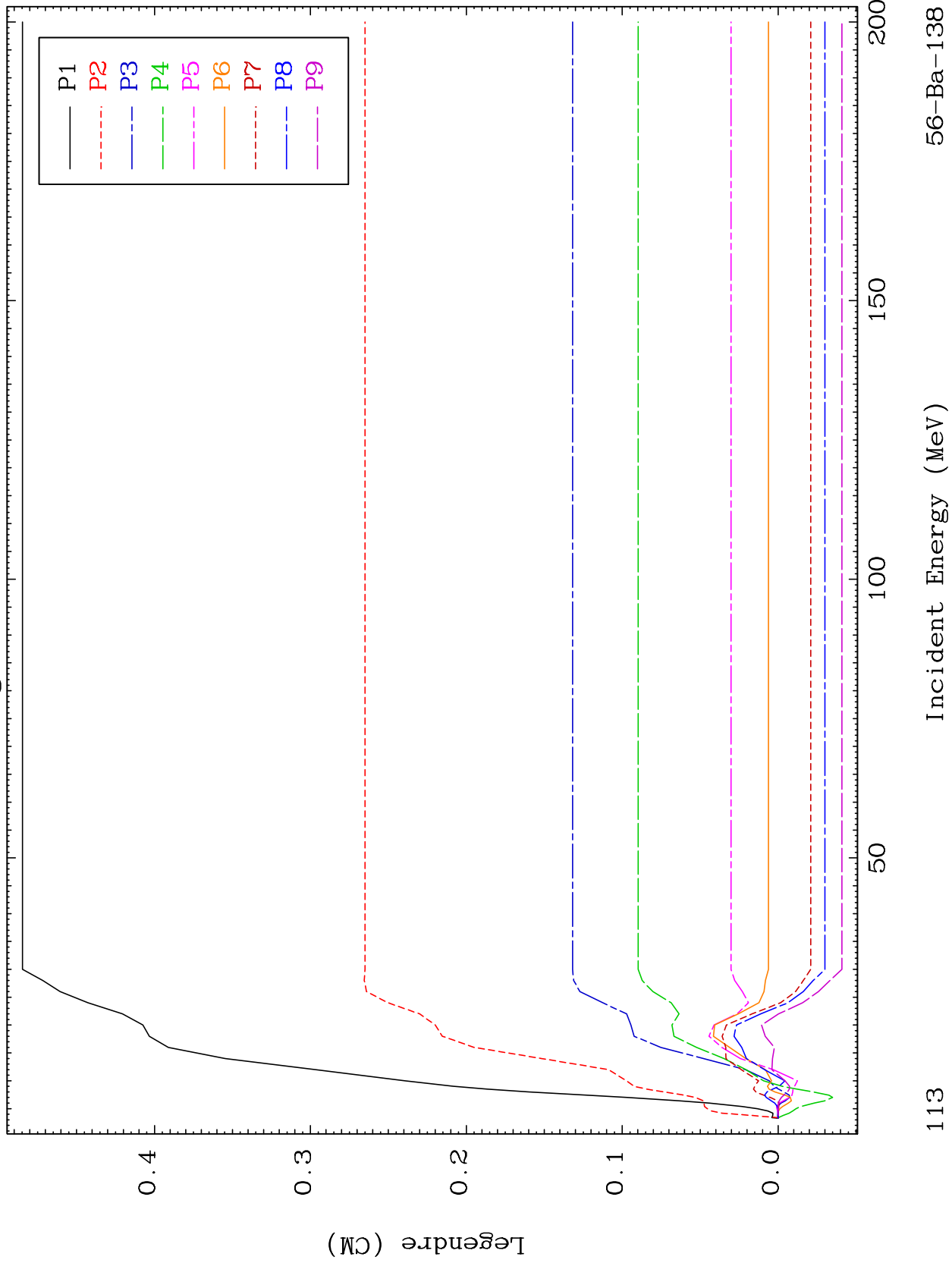
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



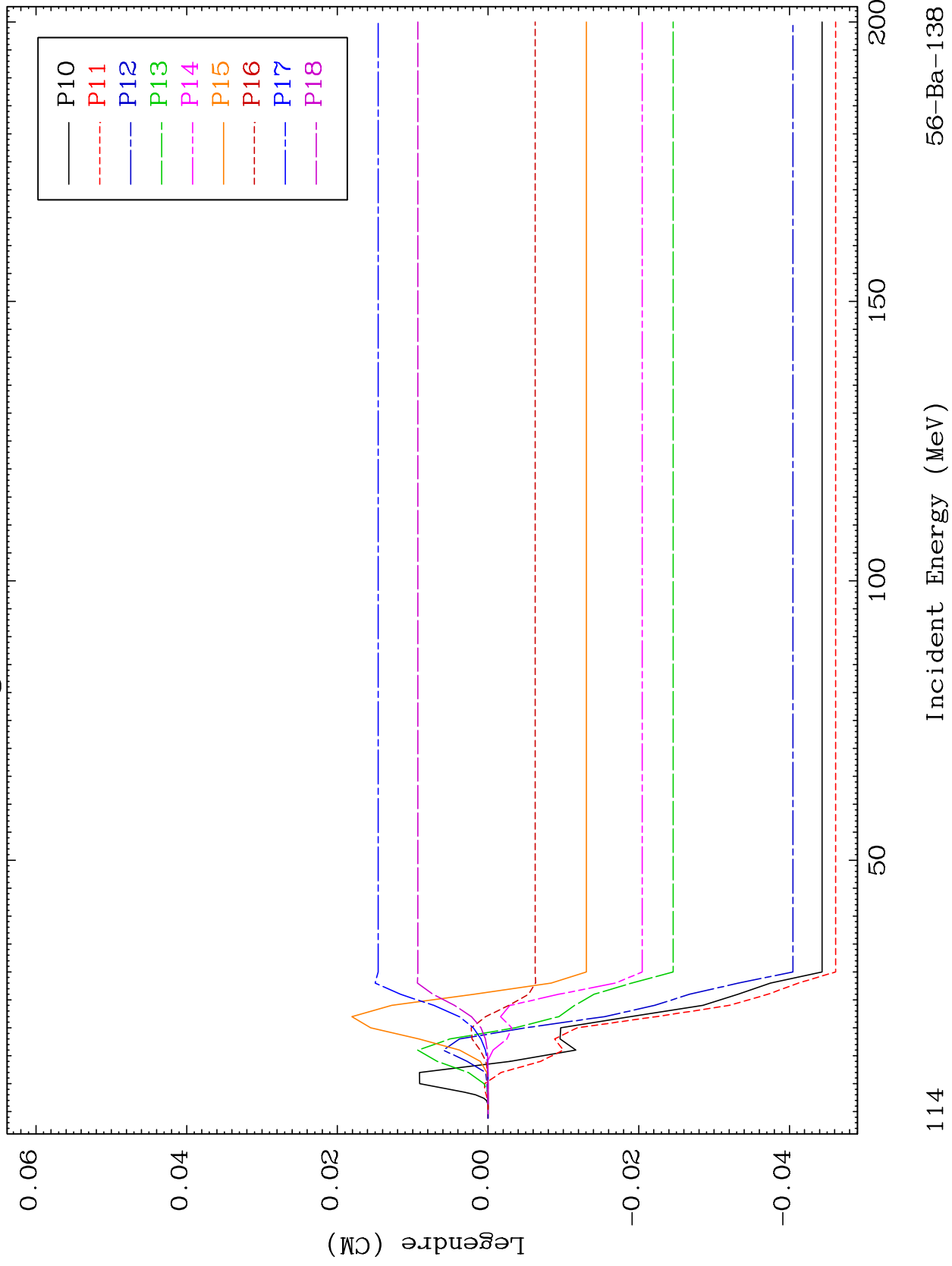
113

56-Ba-138

MAT 5649

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

56-Ba-138



114

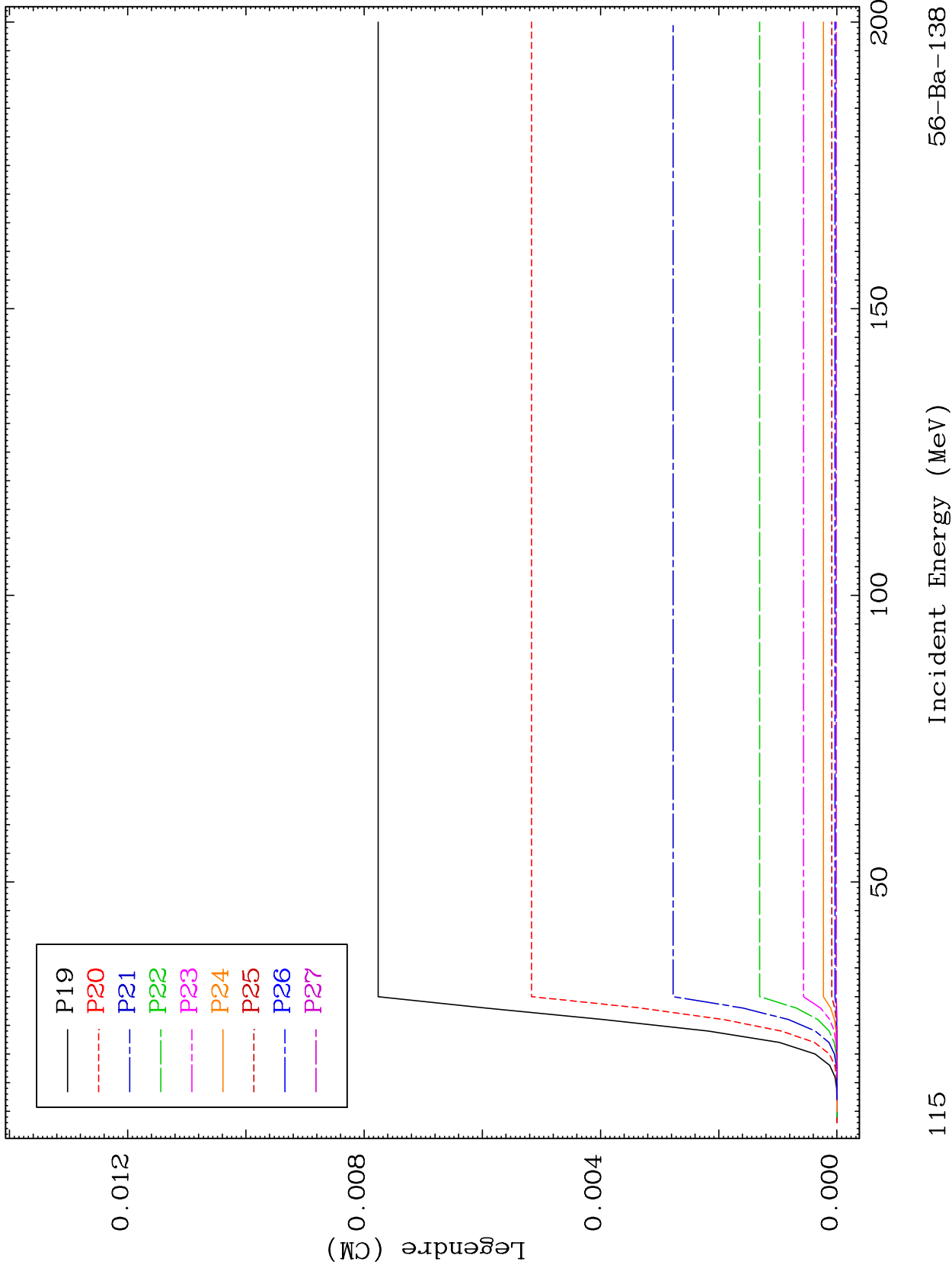
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



115

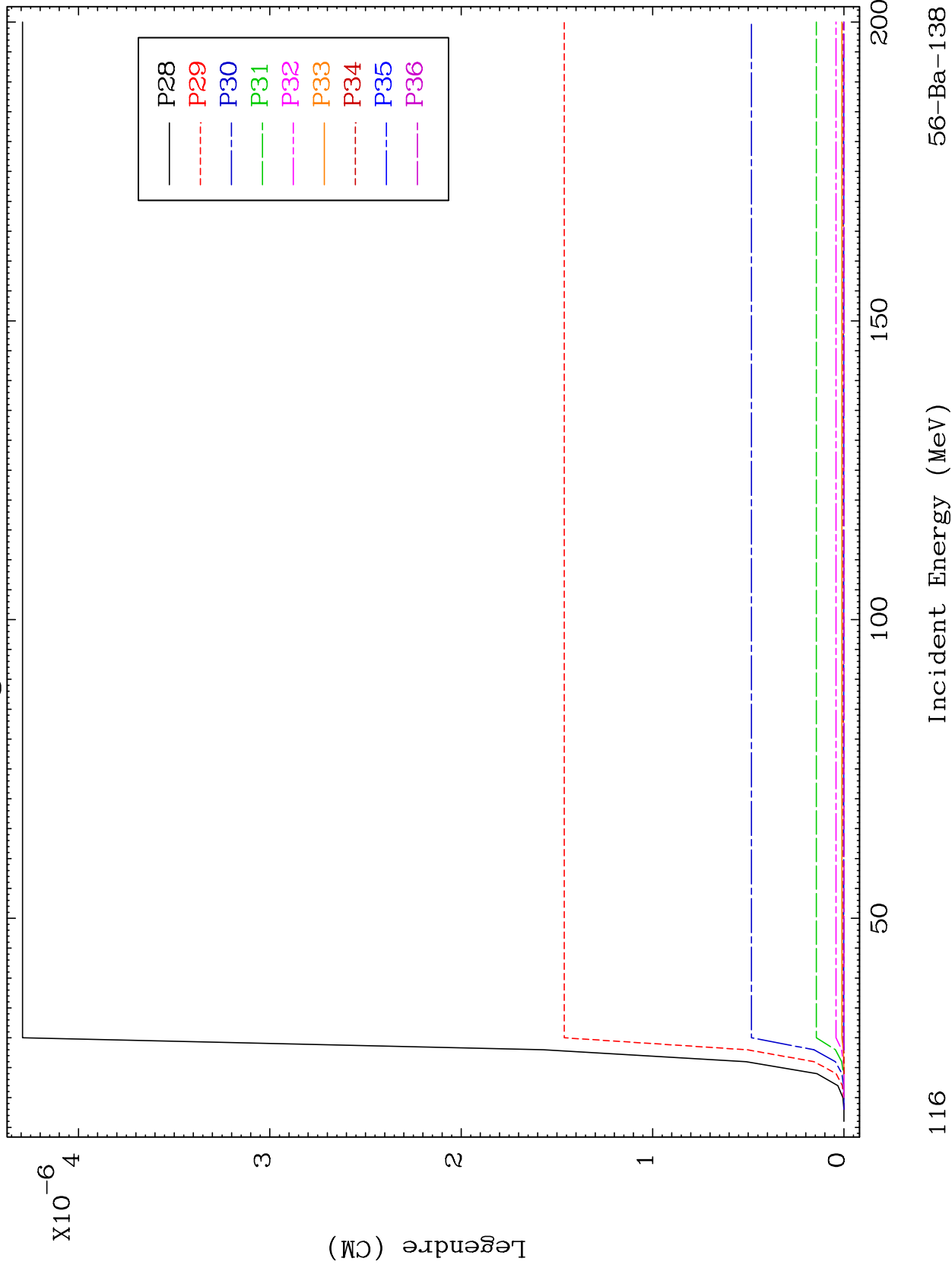
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



116

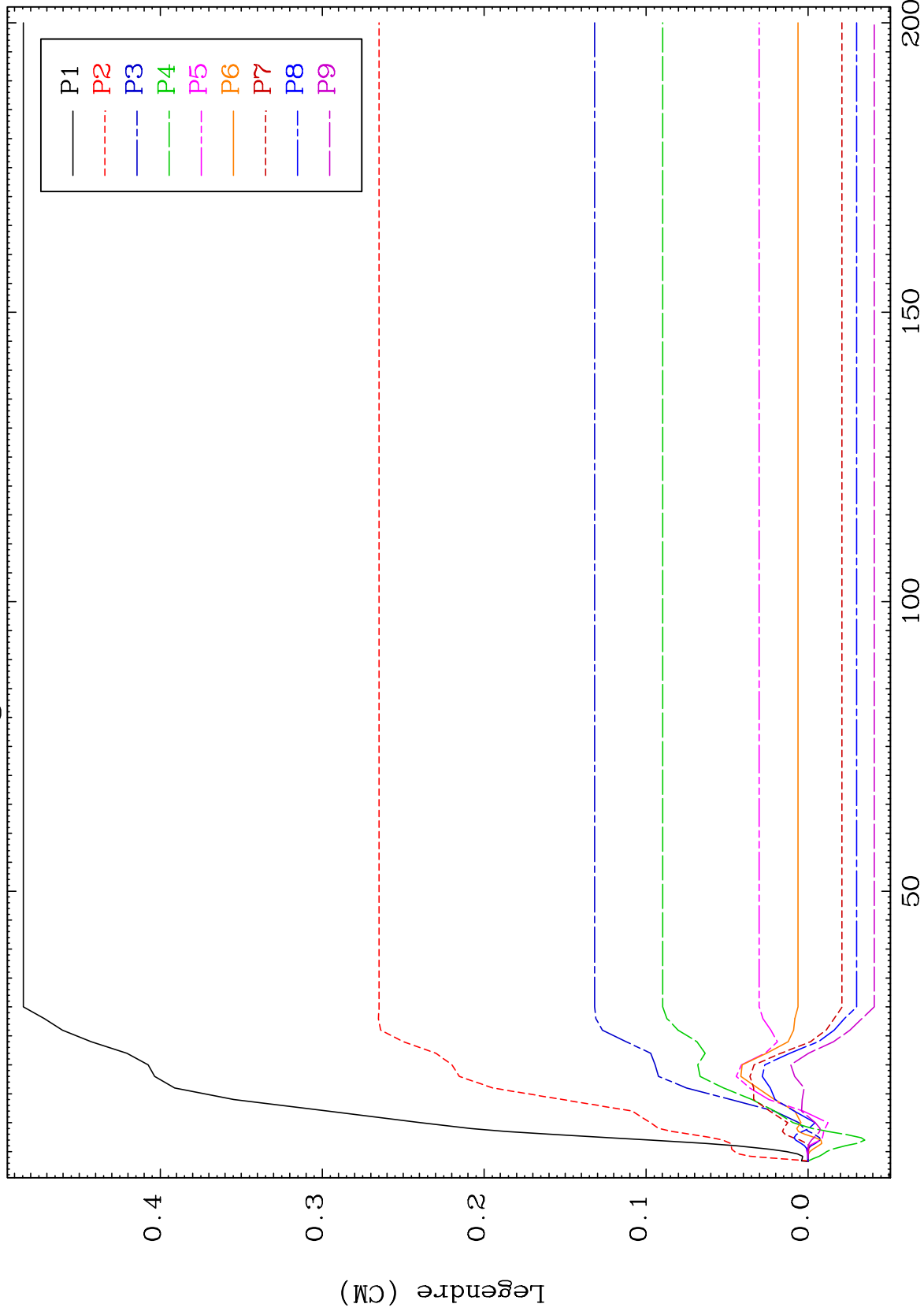
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



117

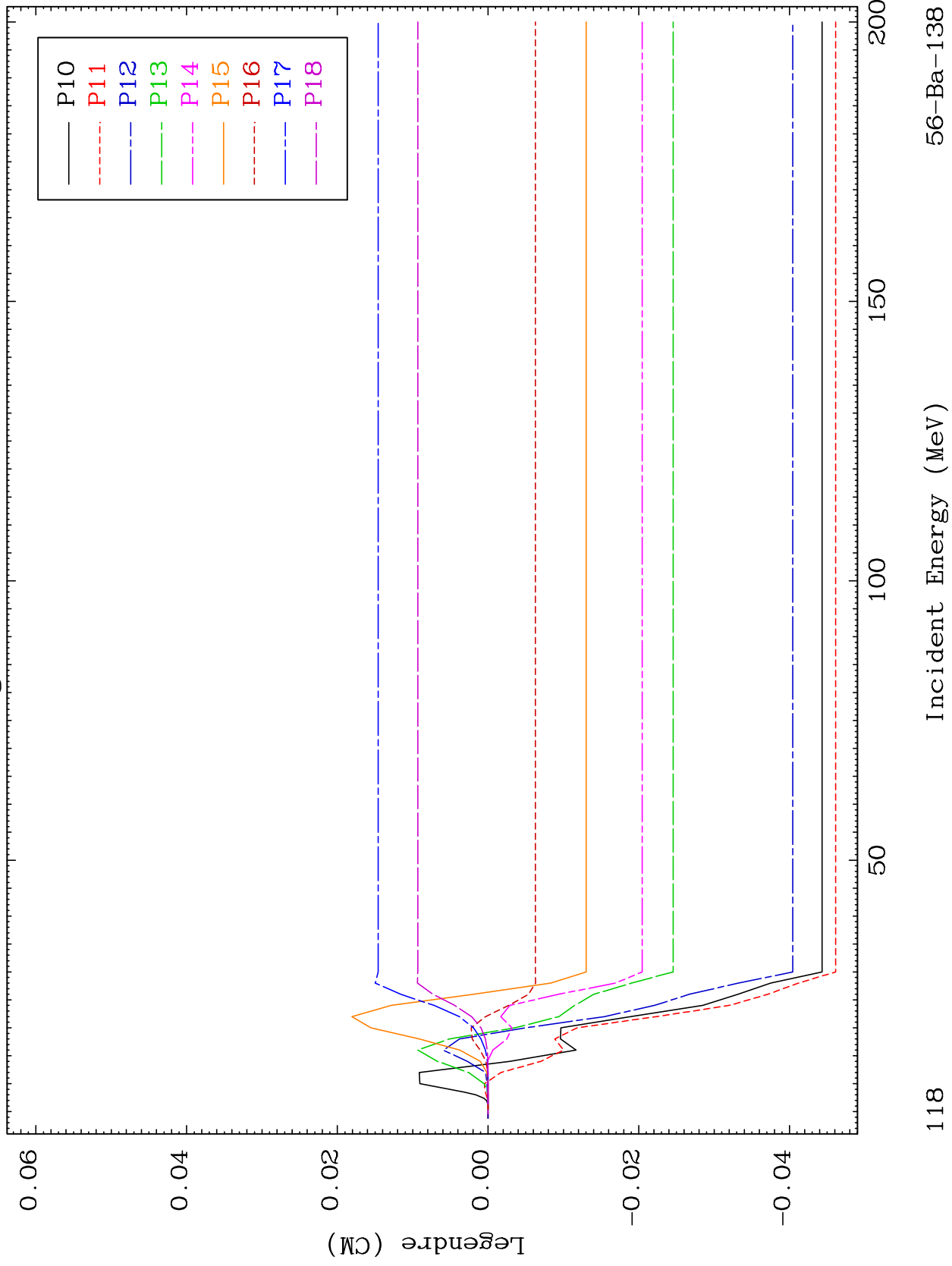
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



118

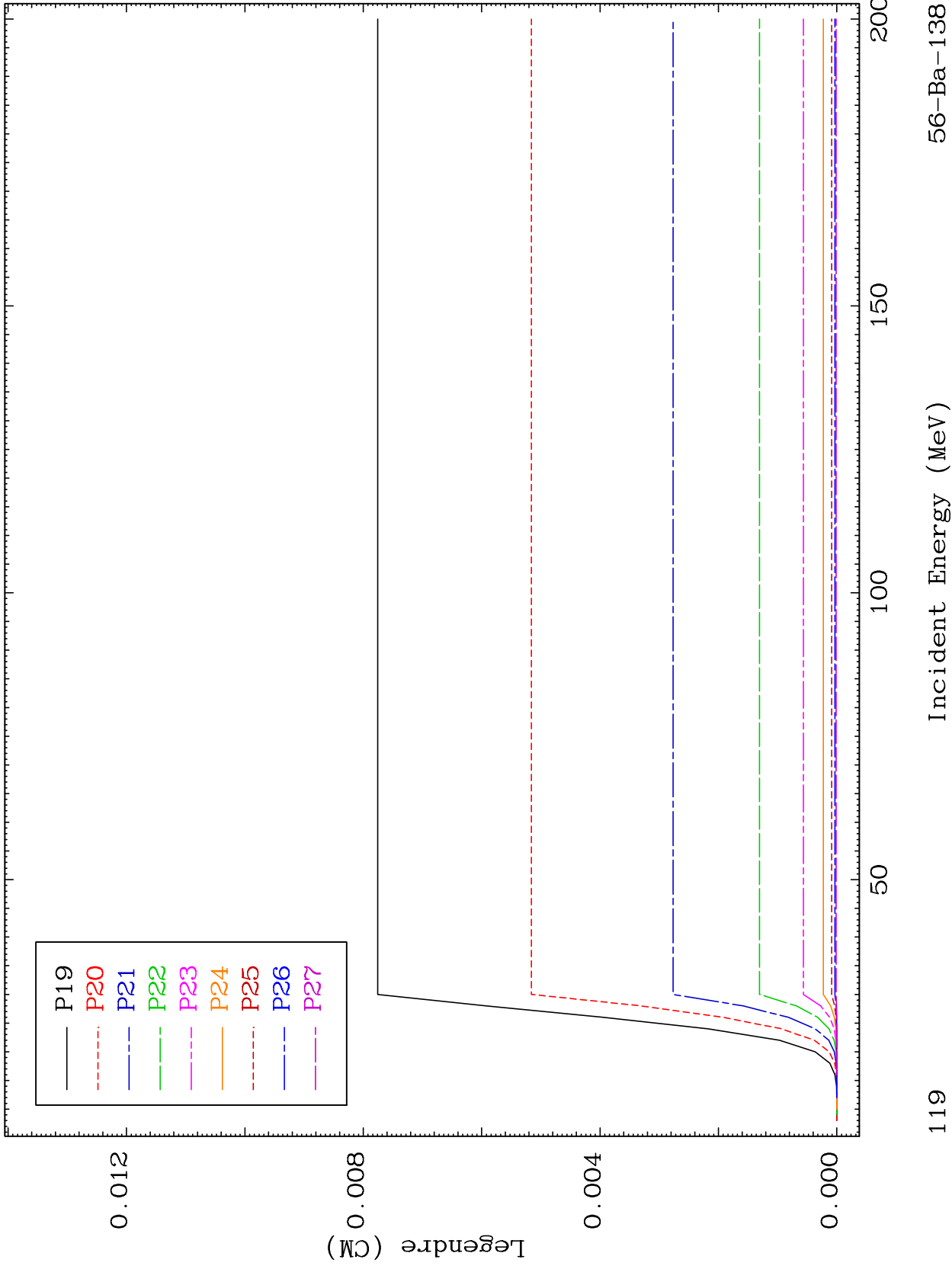
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



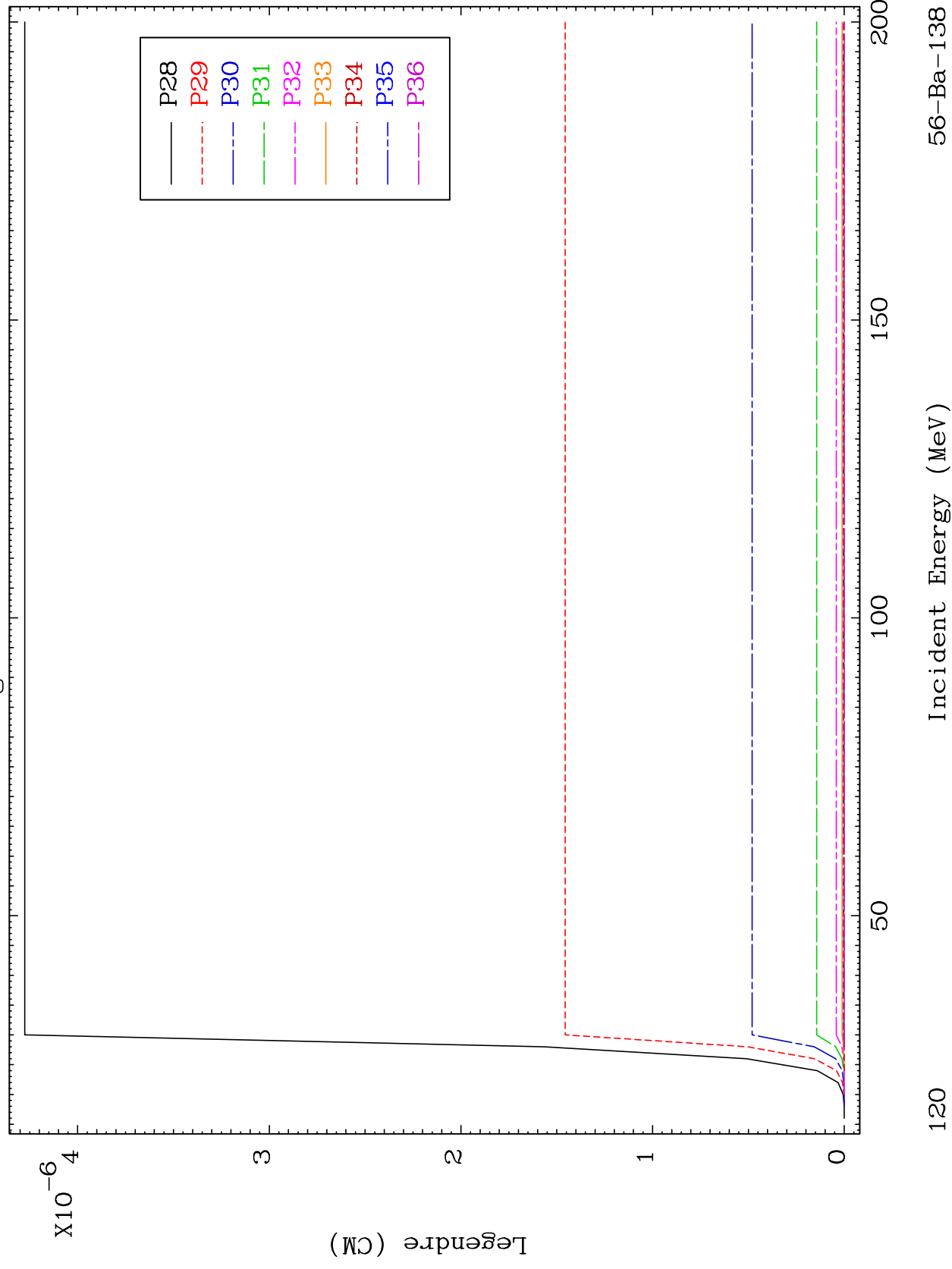
119

56-Ba-138

MAT 5649

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

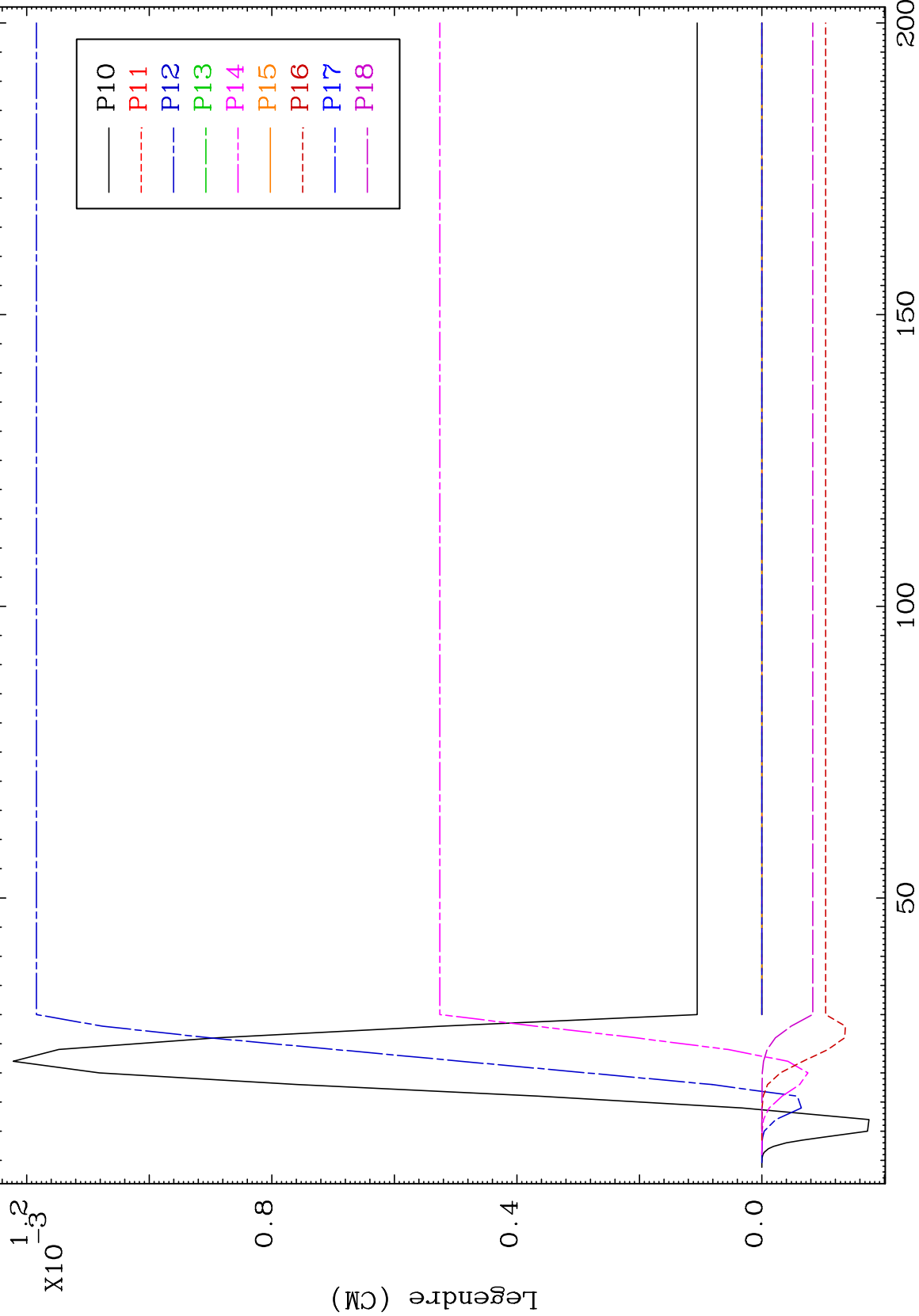
56-Ba-138



MAT 5649

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

56-Ba-138



122

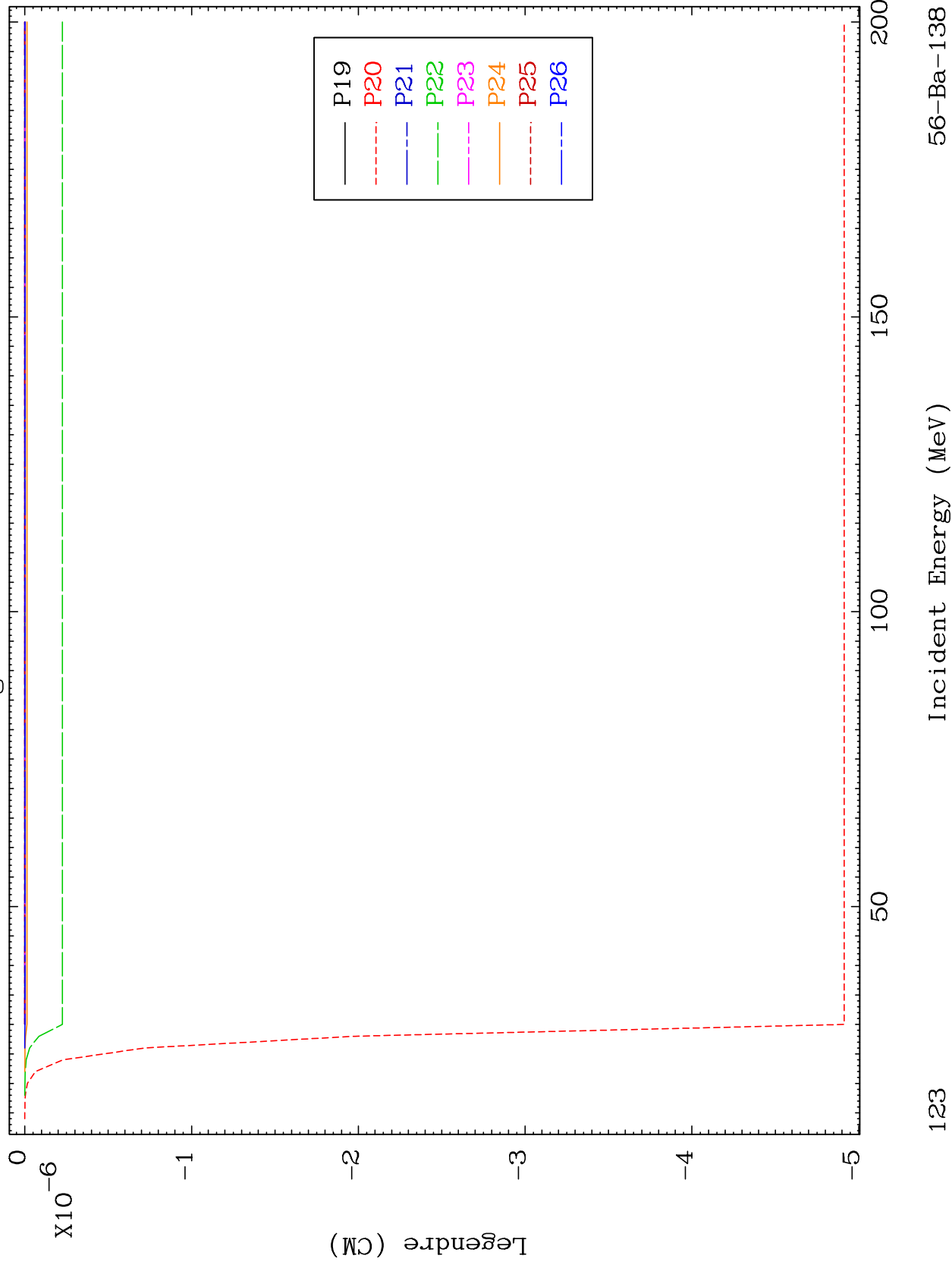
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



123

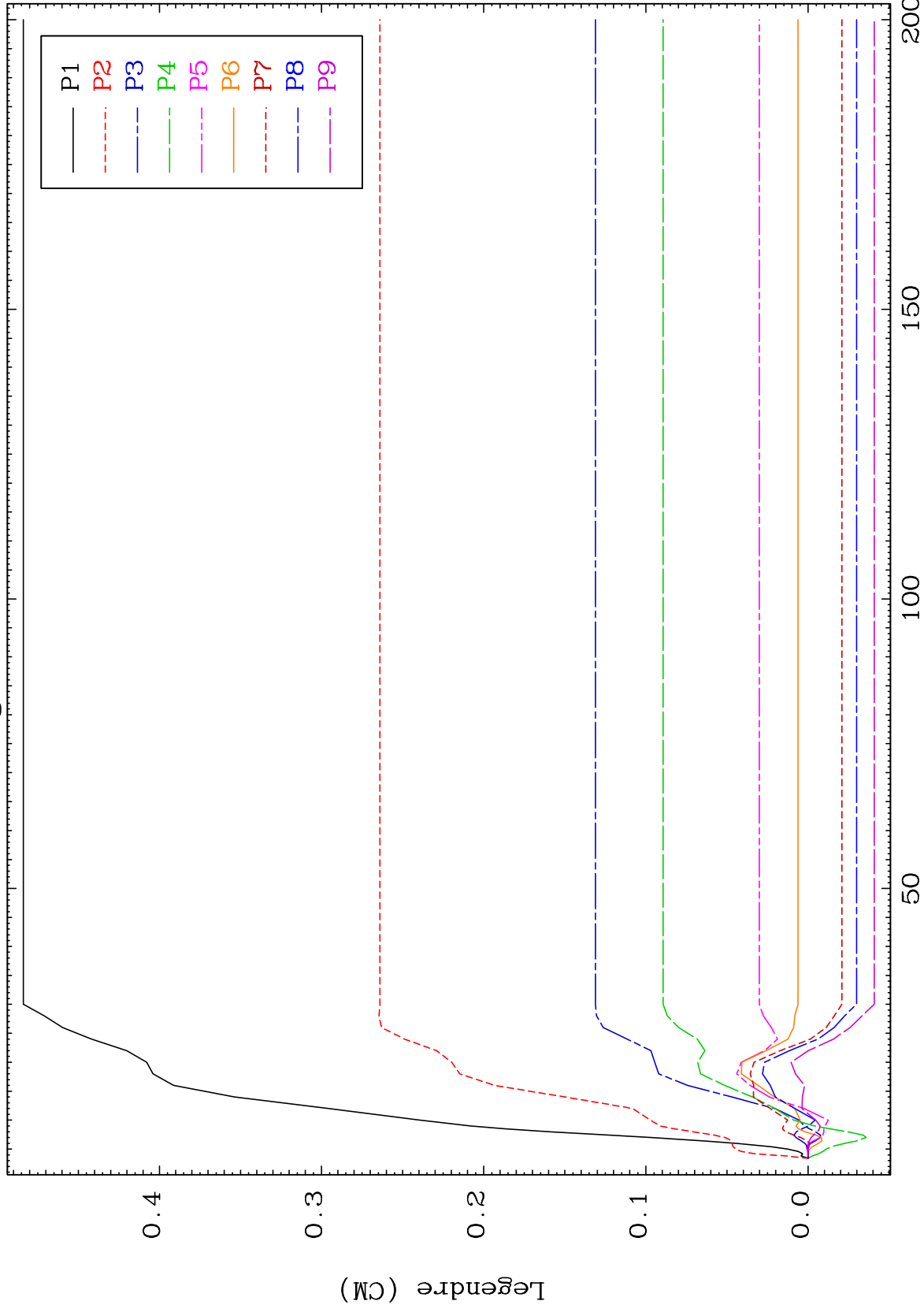
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

56-Ba-138



124

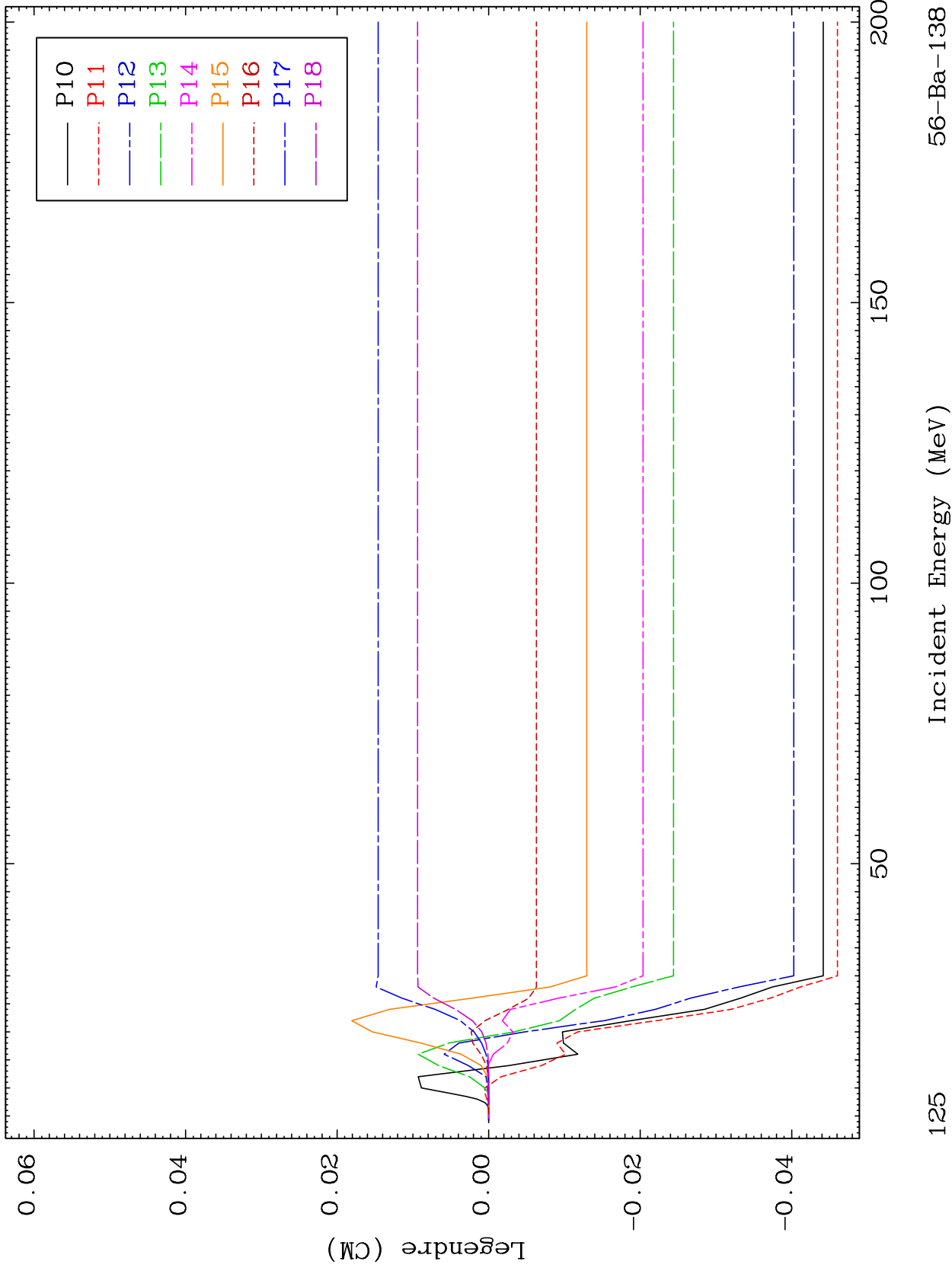
Incident Energy (MeV)

56-Ba-138

MAT 5649

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

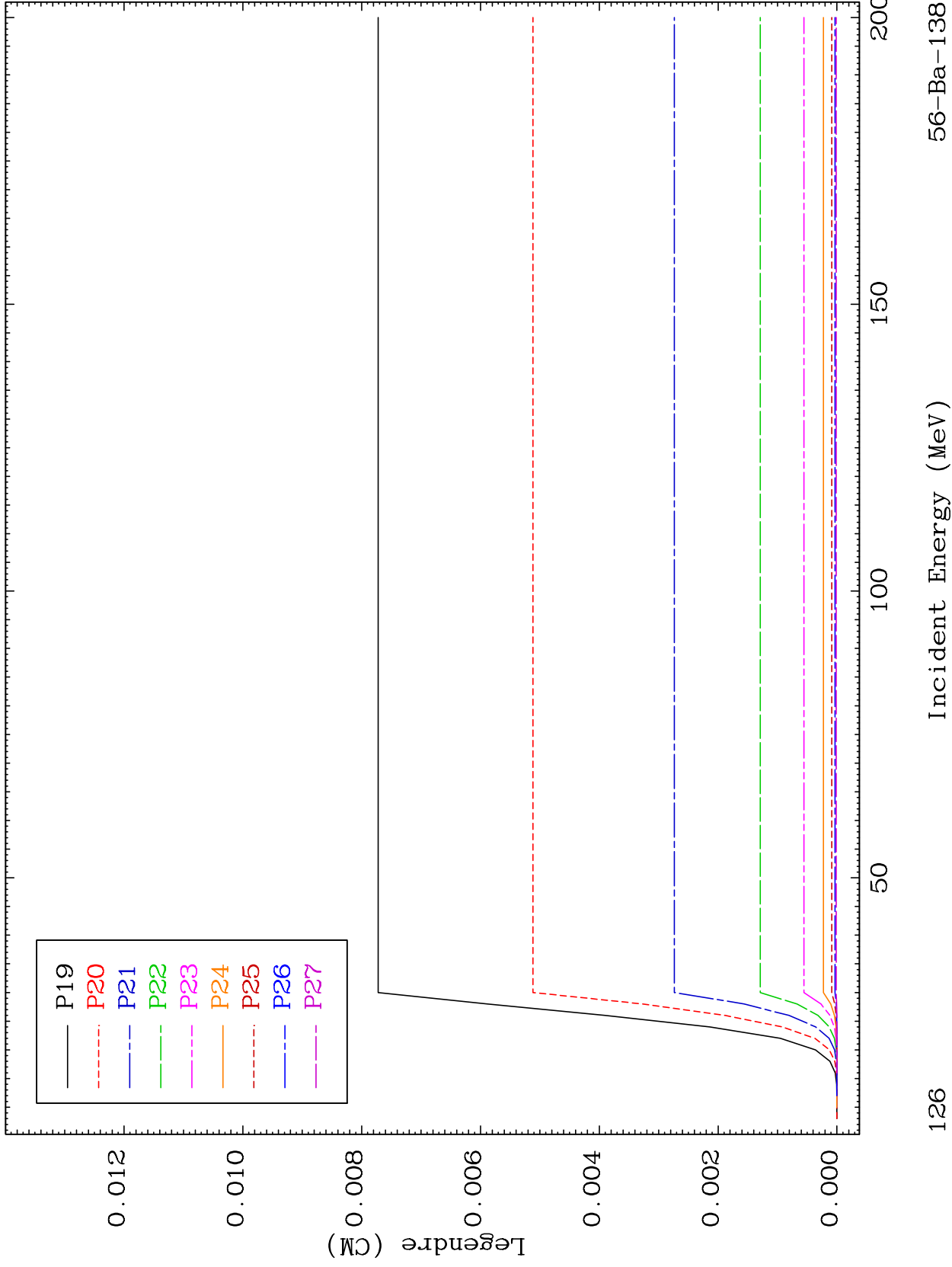
56-Ba-138



125

Incident Energy (MeV)

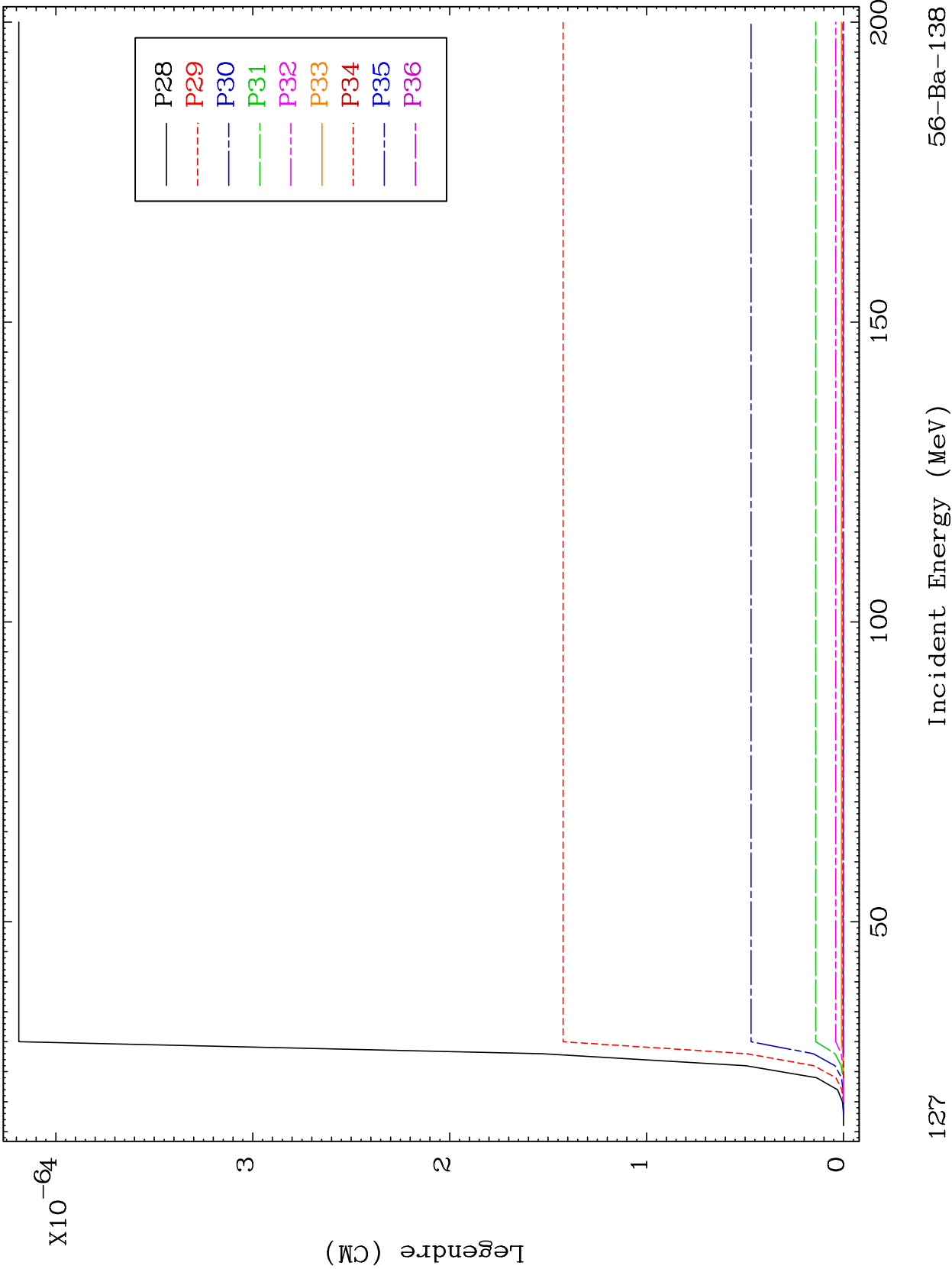
56-Ba-138



MAT 5649

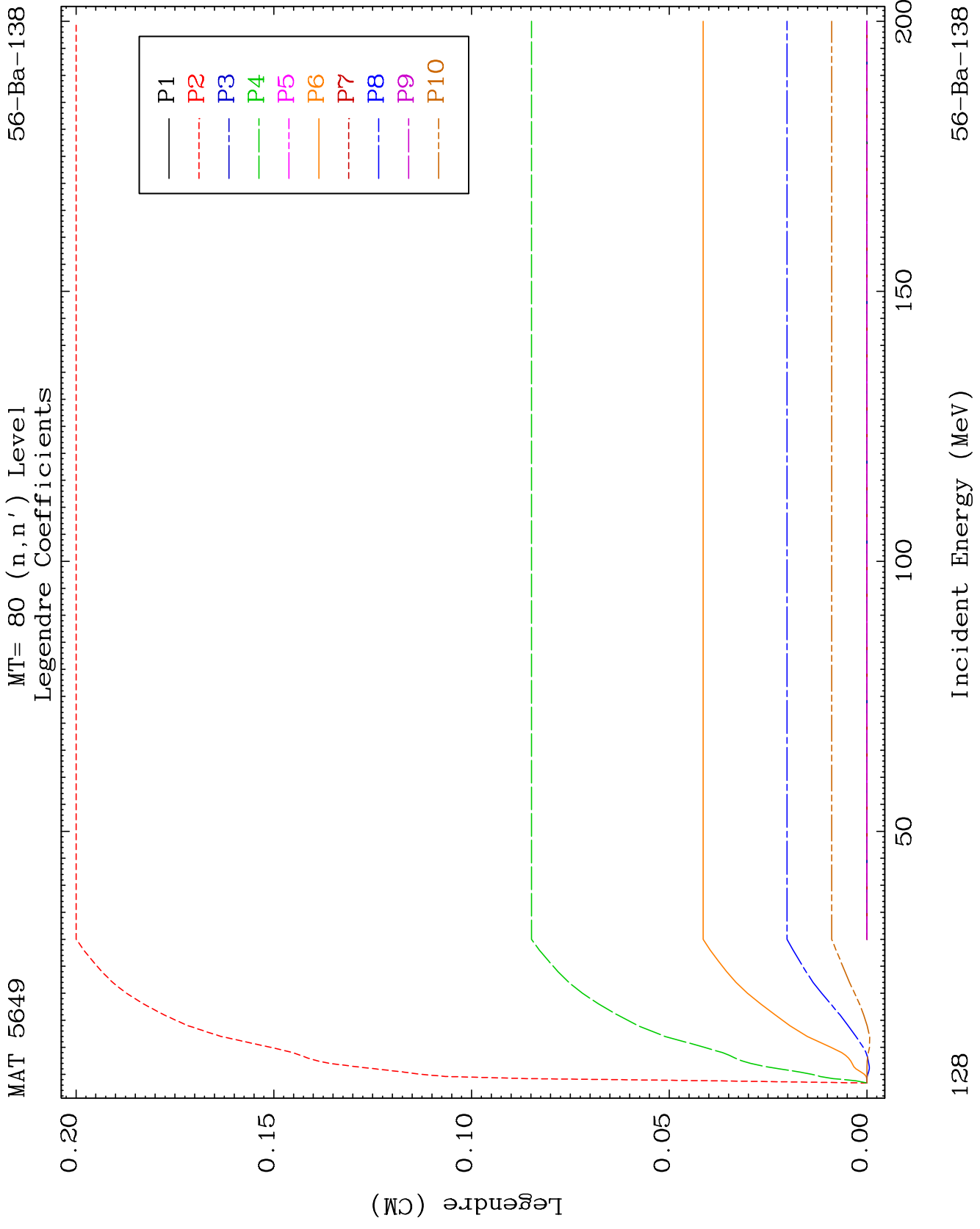
MT= 79 (n,n') Level
Legendre Coefficients

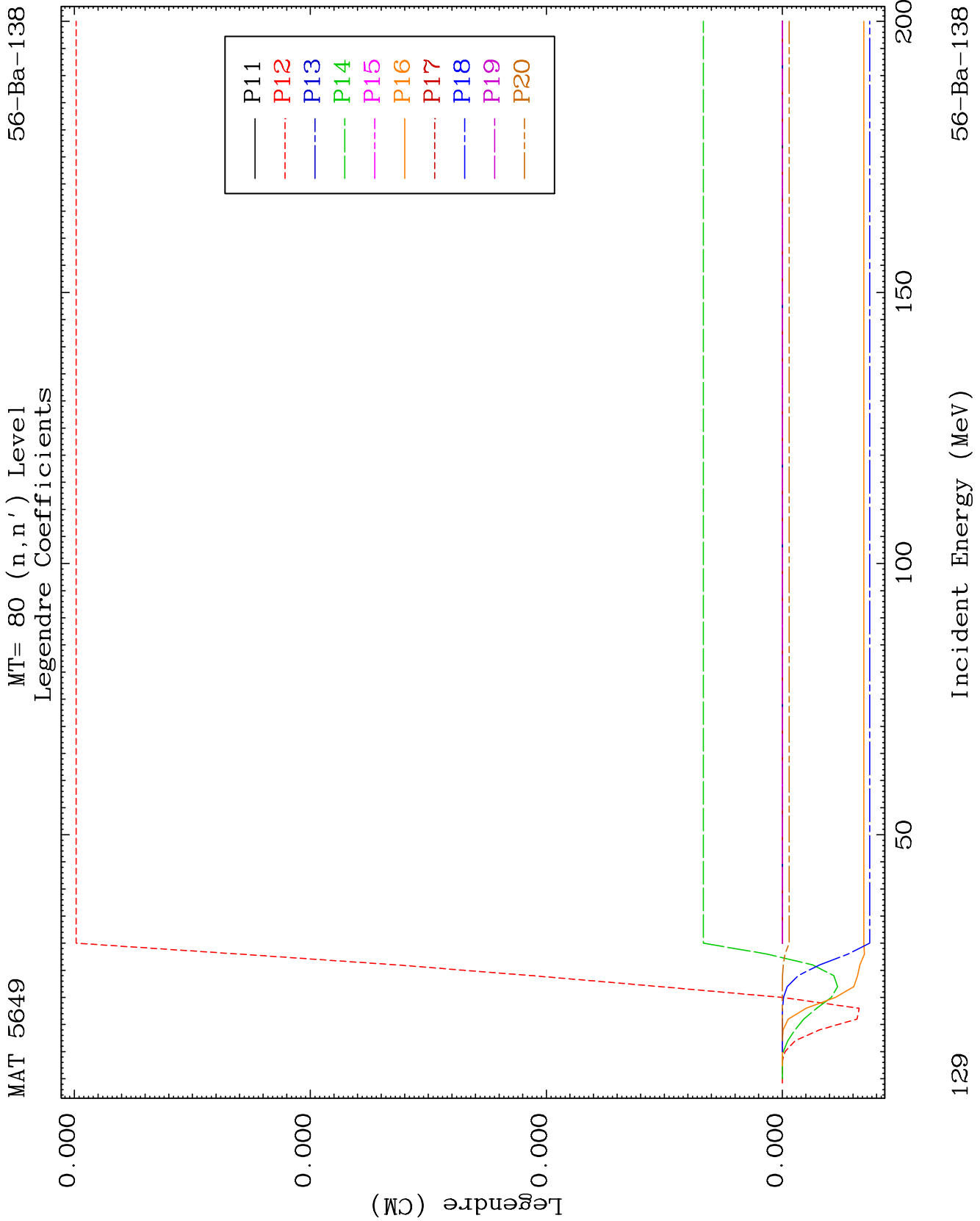
56-Ba-138

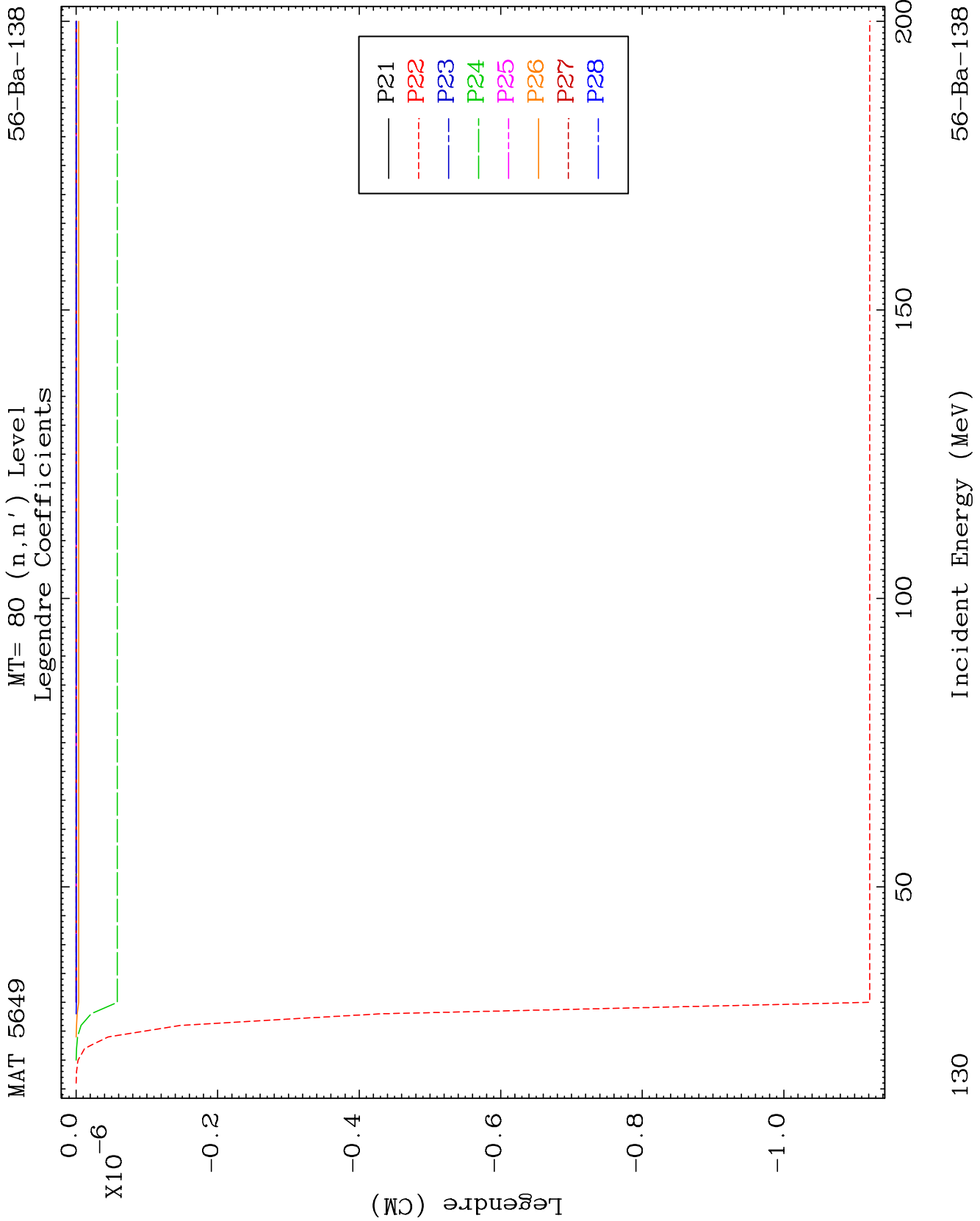


127

56-Ba-138





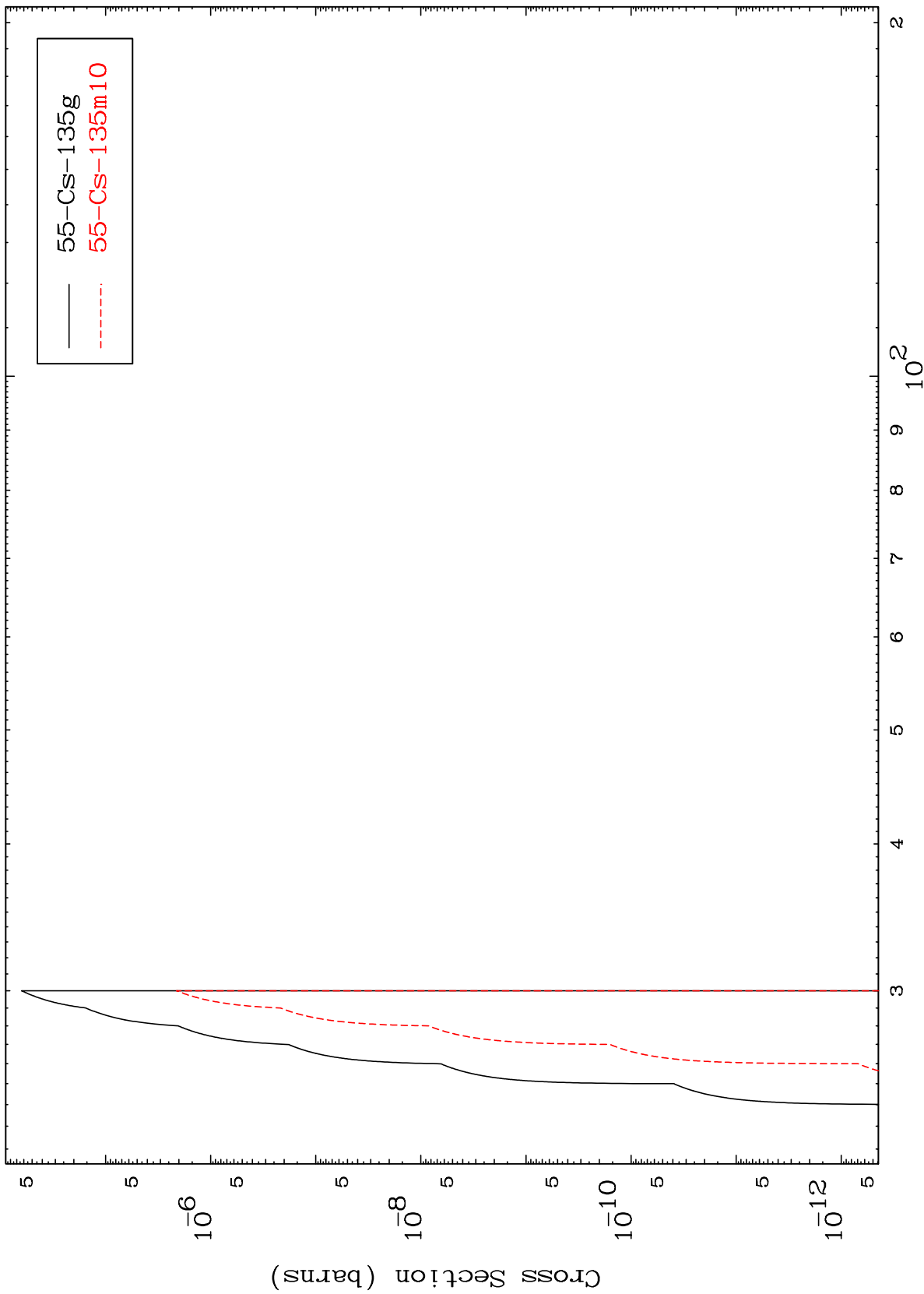


MAT 5649

(n,2n) d

56-Ba-138

Radionuclide Production Cross Section



131

Incident Energy (MeV)

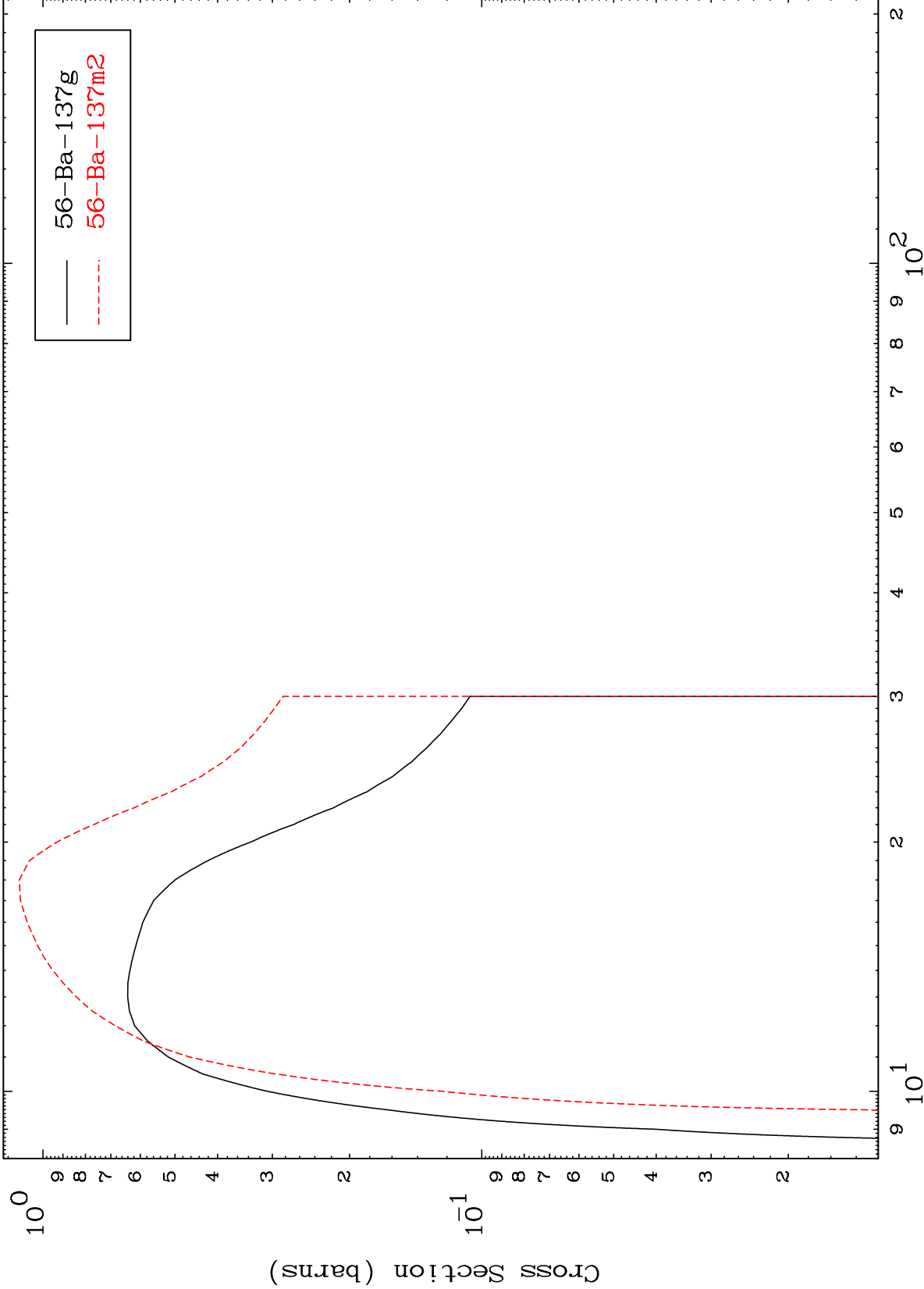
56-Ba-138

MAT 5649

(n,2n)

56-Ba-138

Radionuclide Production Cross Section



56-Ba-137g
56-Ba-137m2

132

Incident Energy (MeV)

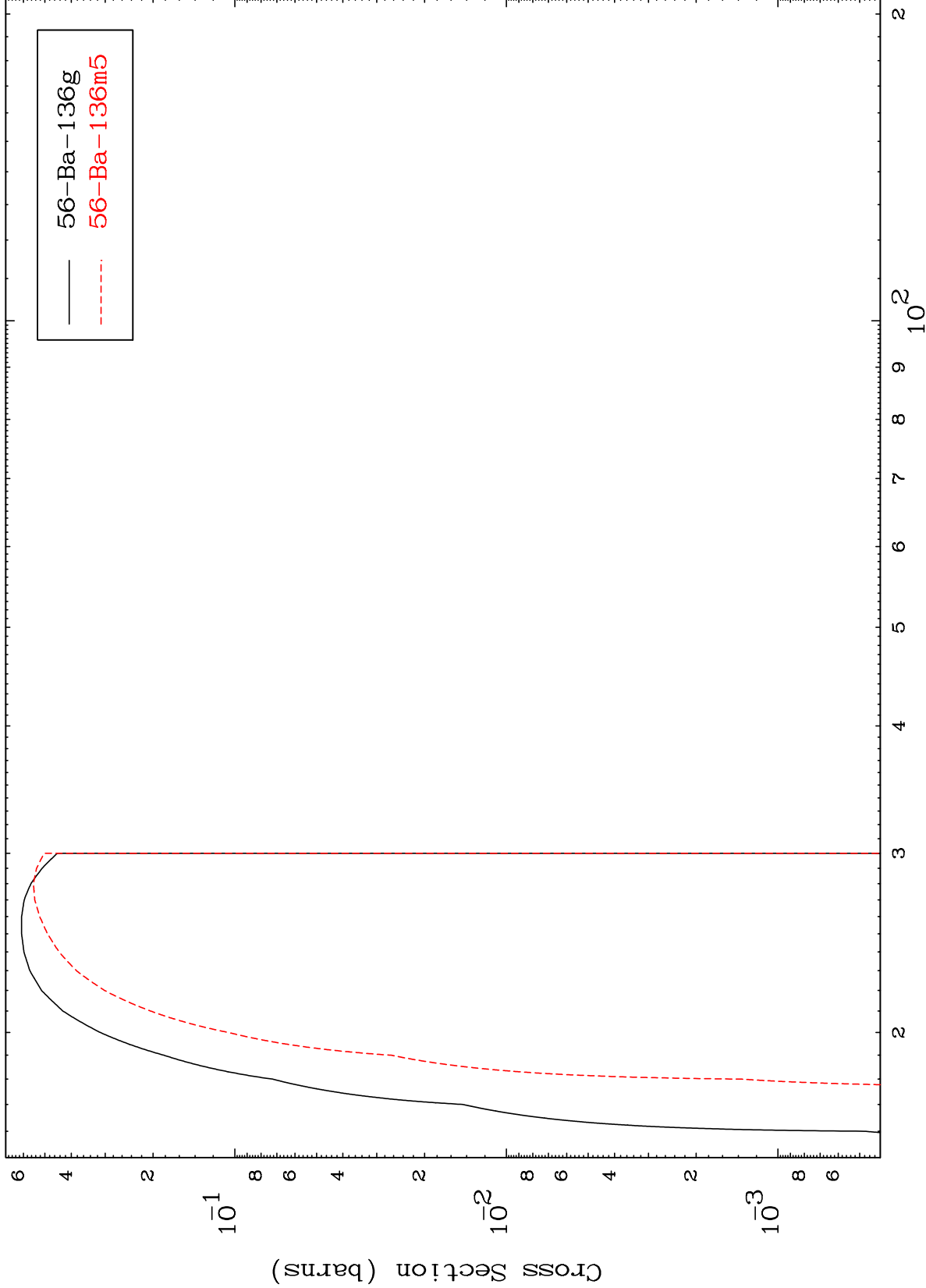
56-Ba-138

MAT 5649

(n,3n)

56-Ba-138

Radionuclide Production Cross Section



133

Incident Energy (MeV)

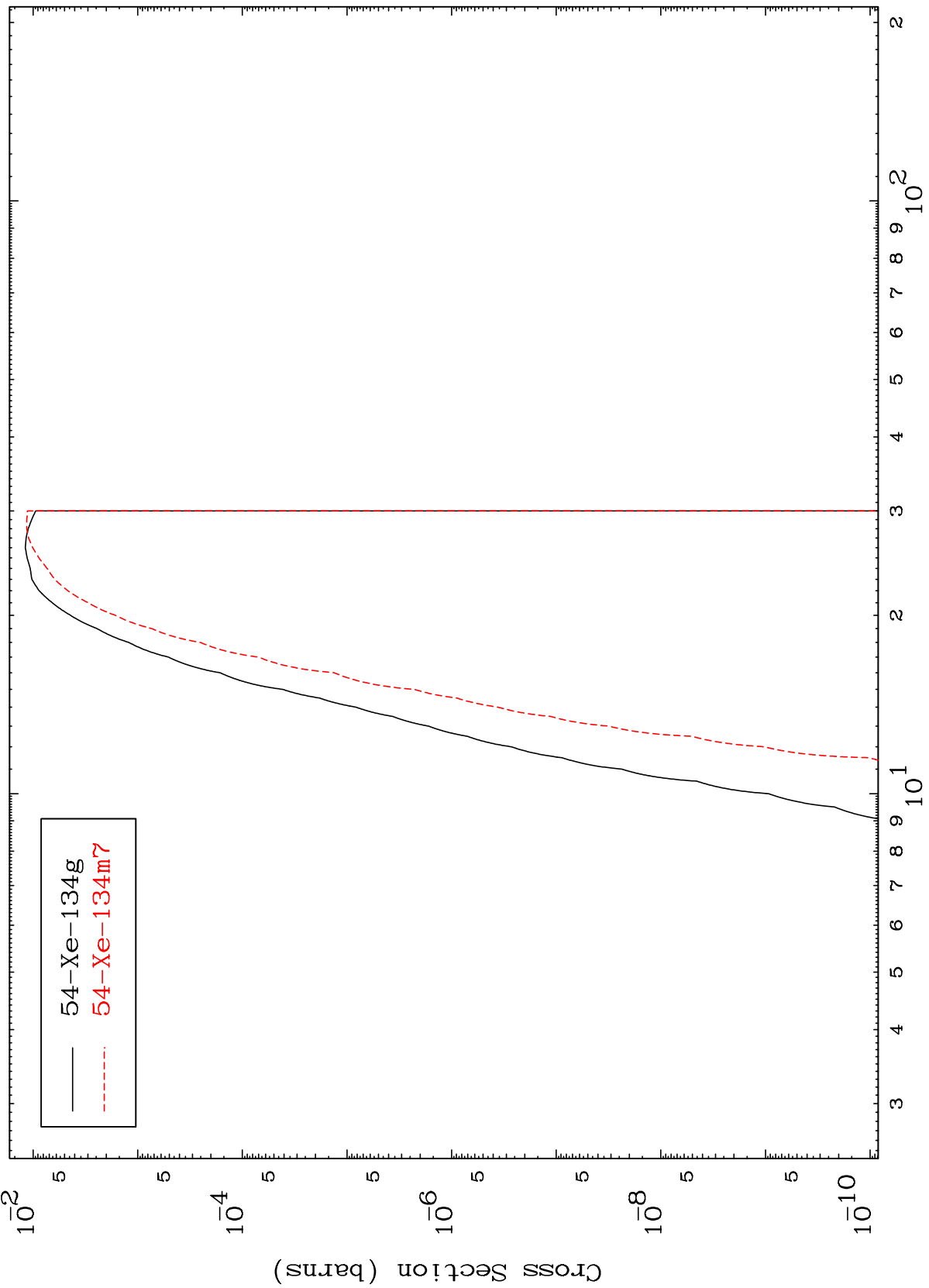
56-Ba-138

MAT 5649

56-Ba-138

(n,n') α

Radionuclide Production Cross Section



134

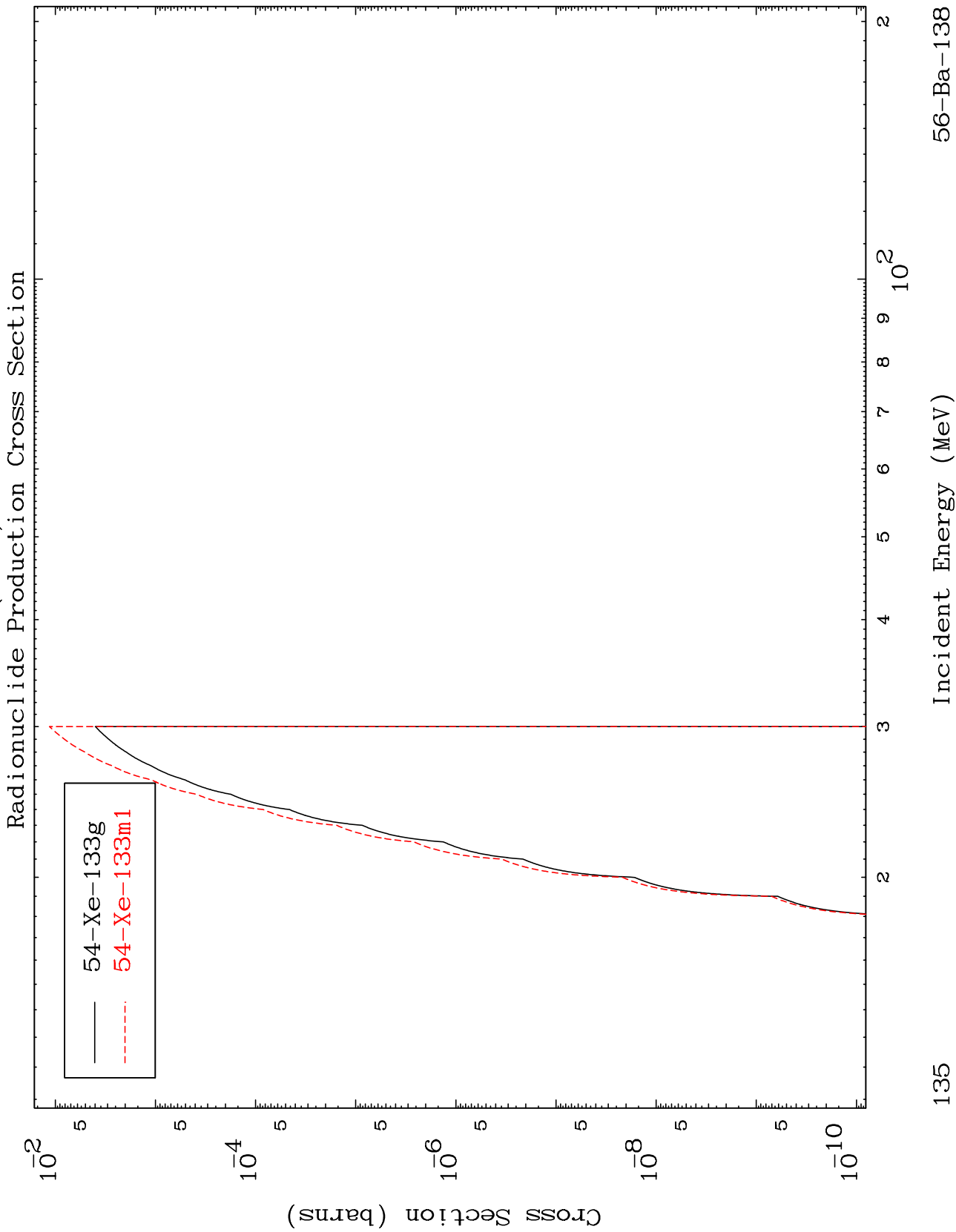
Incident Energy (MeV)

56-Ba-138

MAT 5649

(n,2n) α

56-Ba-138



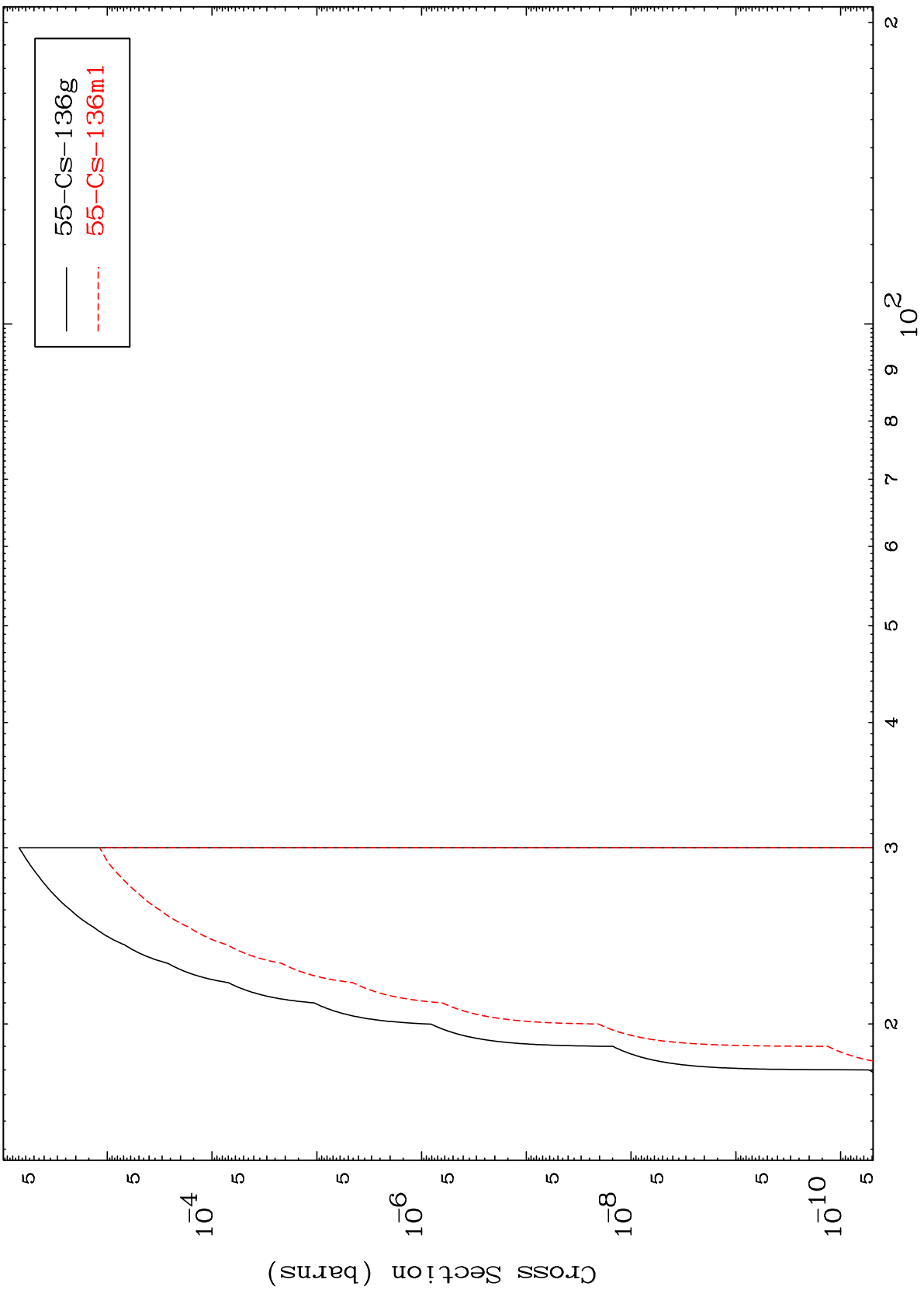
135

MAT 5649

(n,n') d

56-Ba-138

Radionuclide Production Cross Section



136

Incident Energy (MeV)

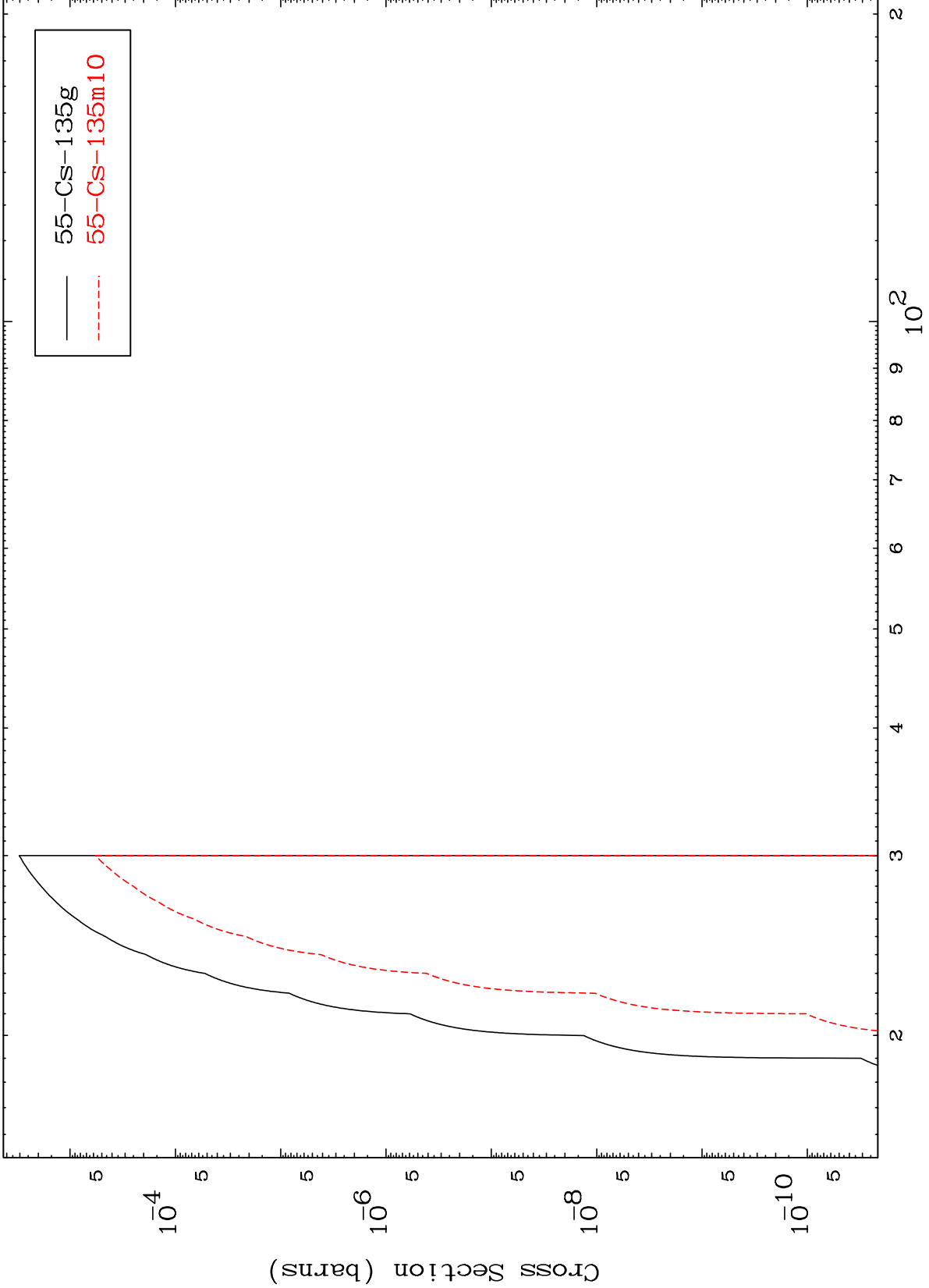
56-Ba-138

MAT 5649

(n,n') t

56-Ba-138

Radionuclide Production Cross Section



137

Incident Energy (MeV)

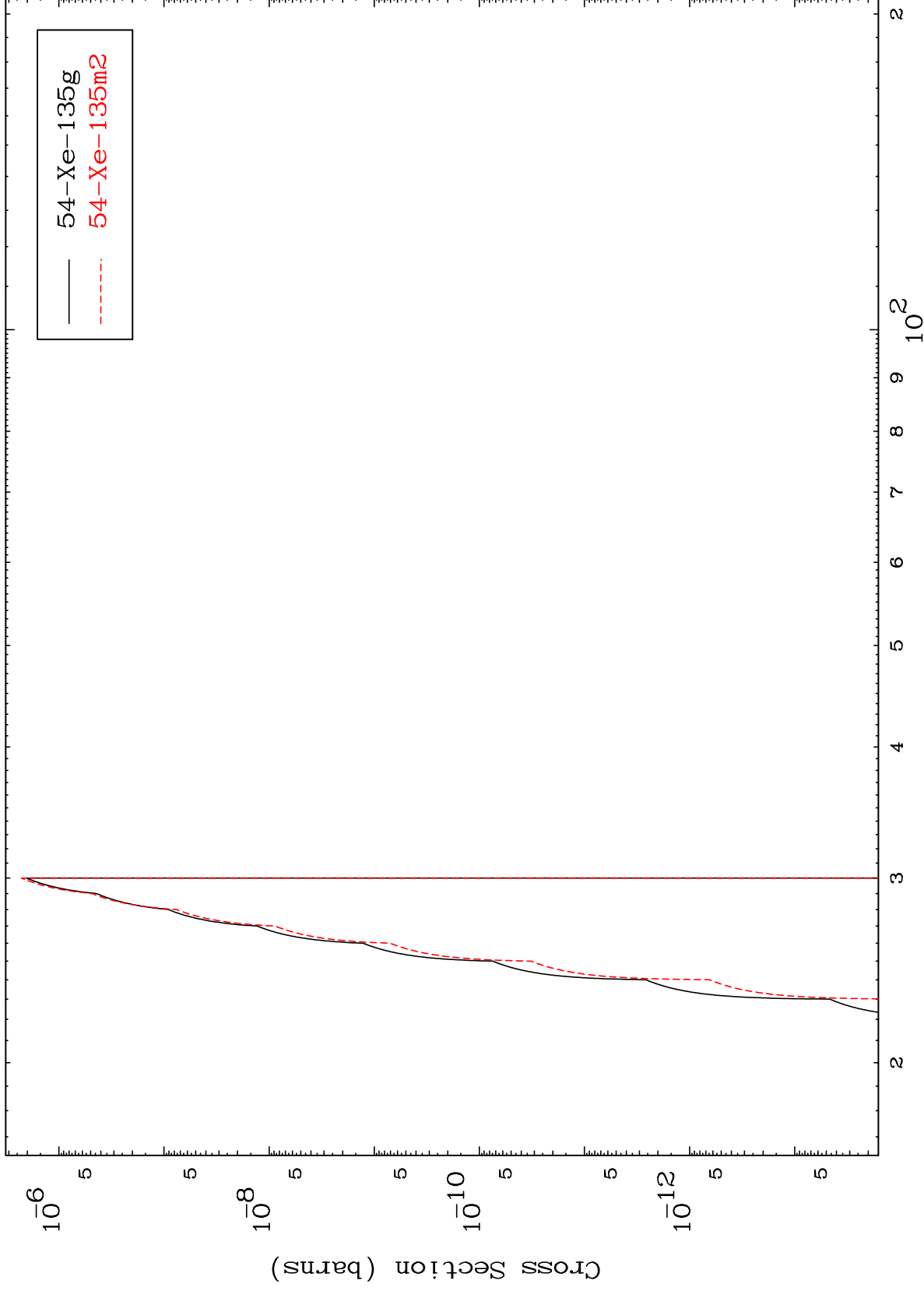
56-Ba-138

MAT 5649

(n,n') He-3

56-Ba-138

Radionuclide Production Cross Section



138

Incident Energy (MeV)

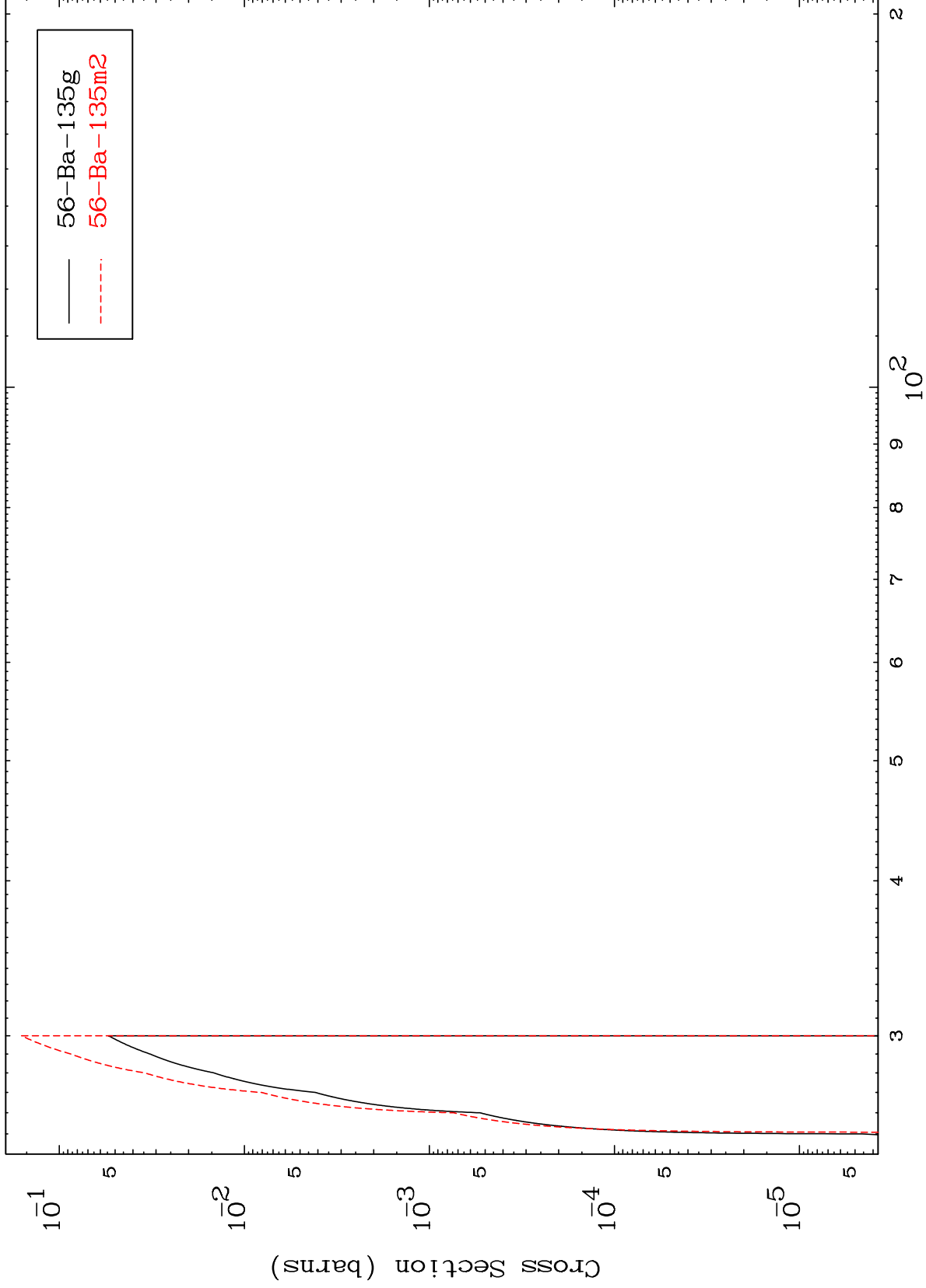
56-Ba-138

MAT 5649

(n,4n)

56-Ba-138

Radionuclide Production Cross Section



139

Incident Energy (MeV)

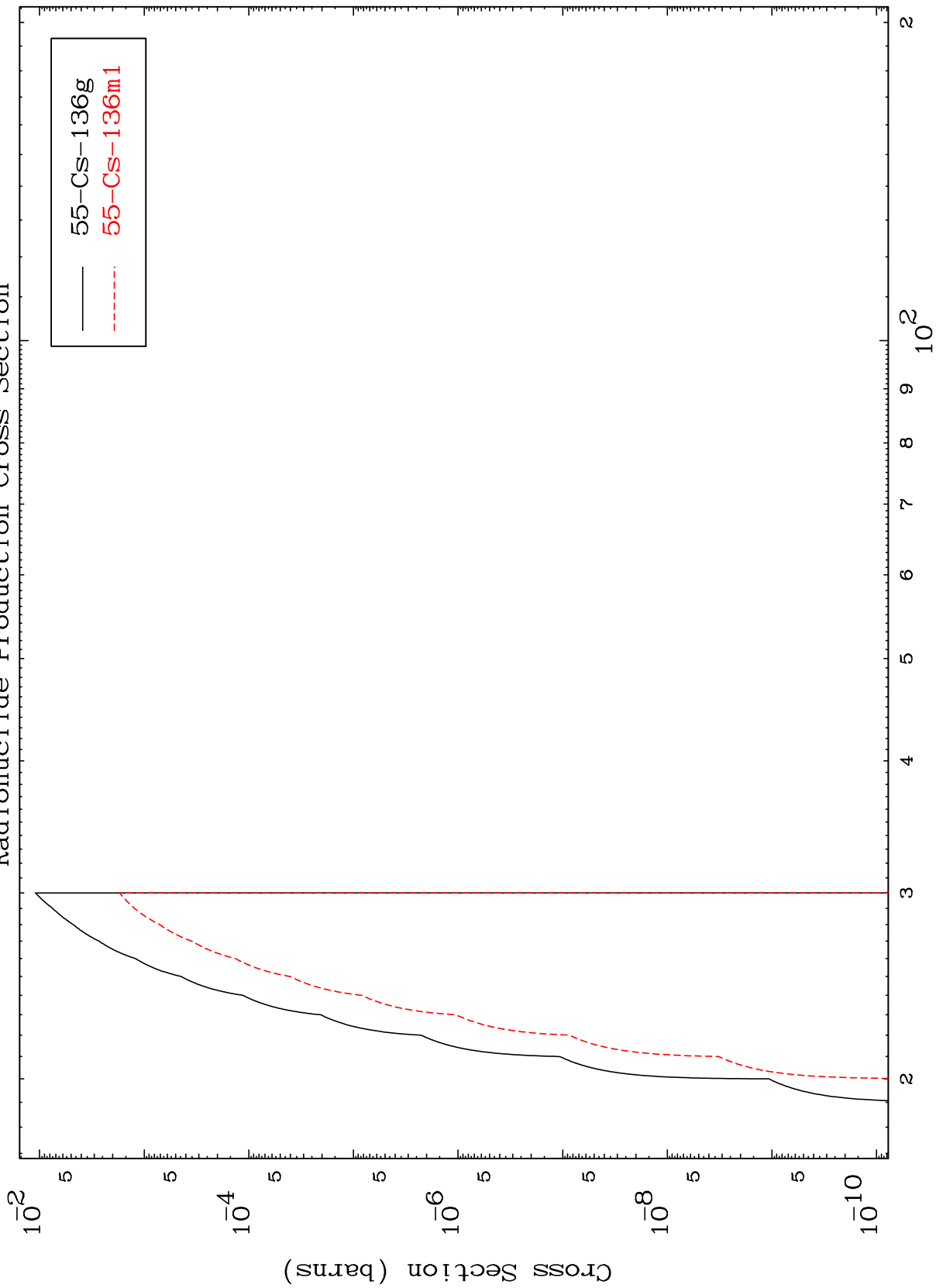
56-Ba-138

MAT 5649

(n,2n) p

56-Ba-138

Radionuclide Production Cross Section

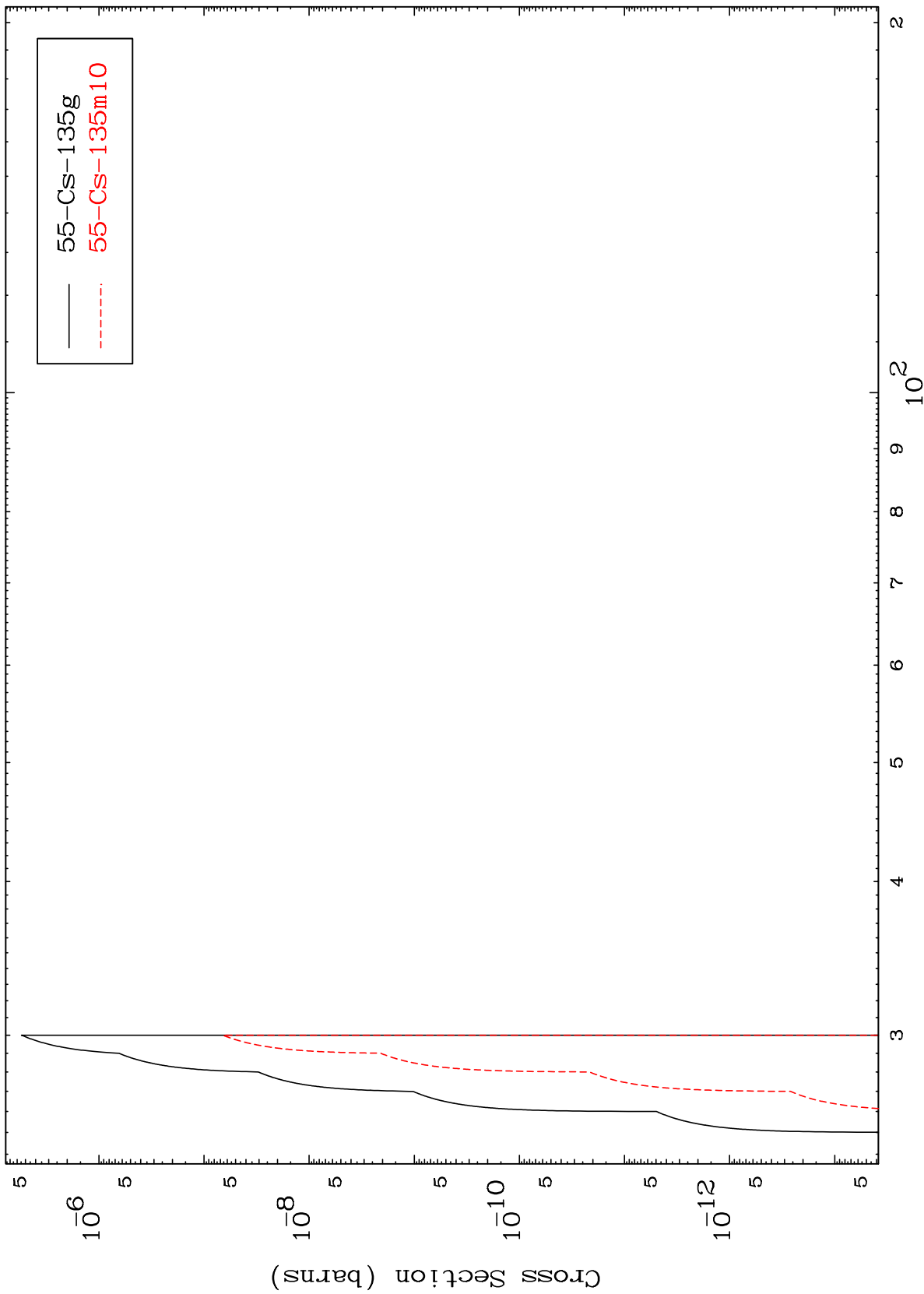


140

Incident Energy (MeV)

56-Ba-138

Radionuclide Production Cross Section

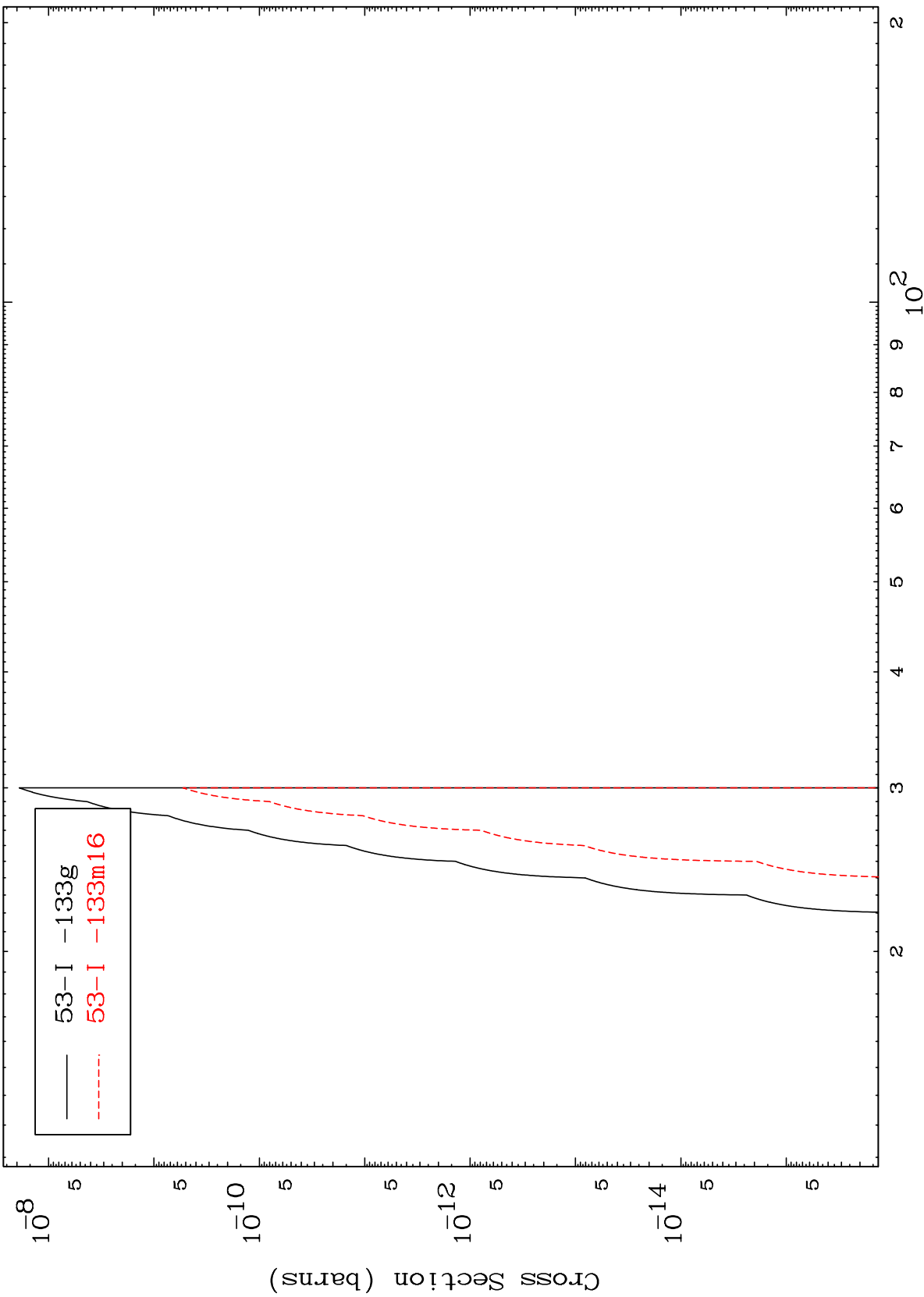


MAT 5649

(n,n') p α

56-Ba-138

Radionuclide Production Cross Section



142

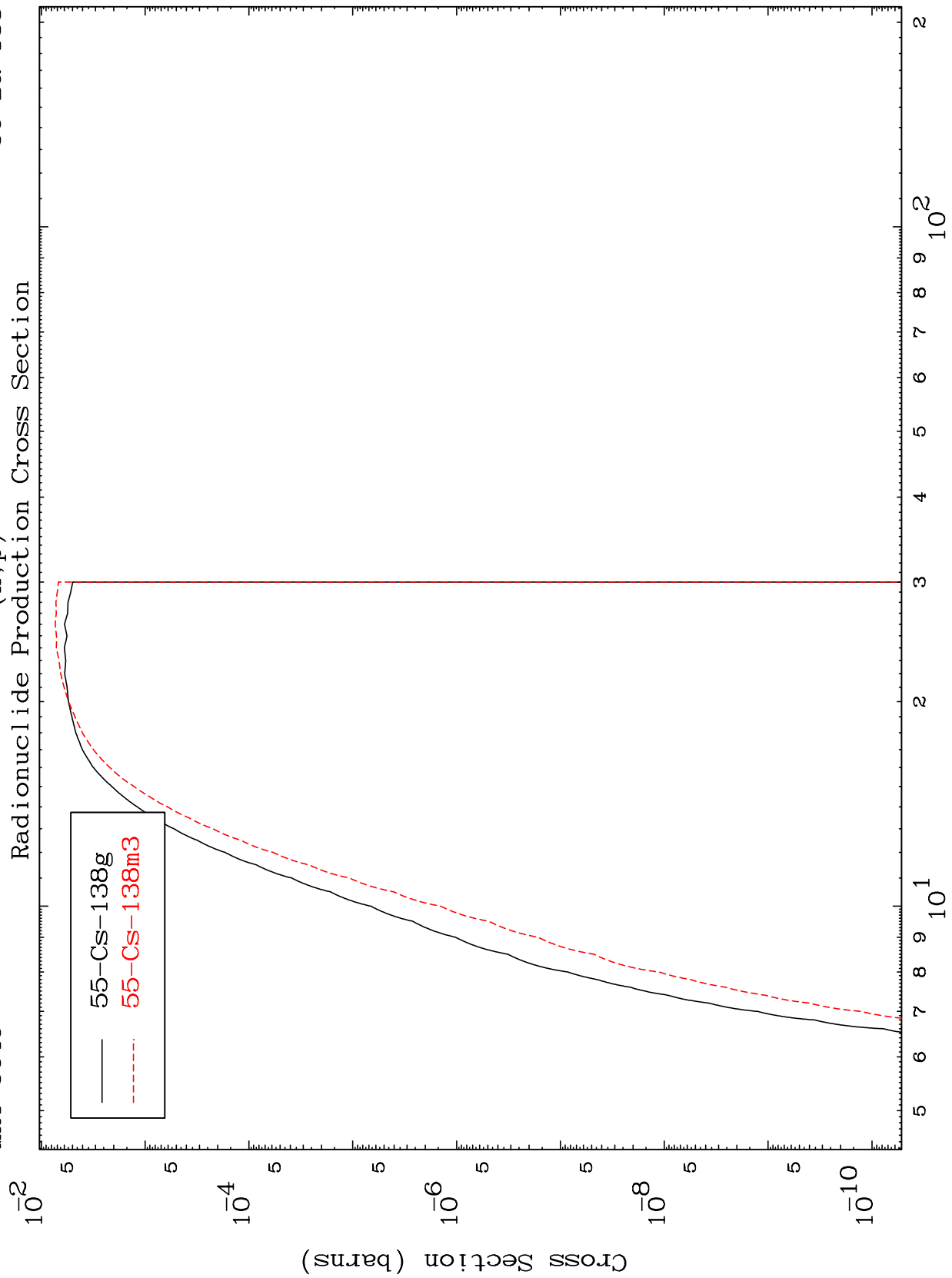
Incident Energy (MeV)

56-Ba-138

MAT 5649

56-Ba-138

Radionuclide Production Cross Section (n,p)



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

56-Ba-138

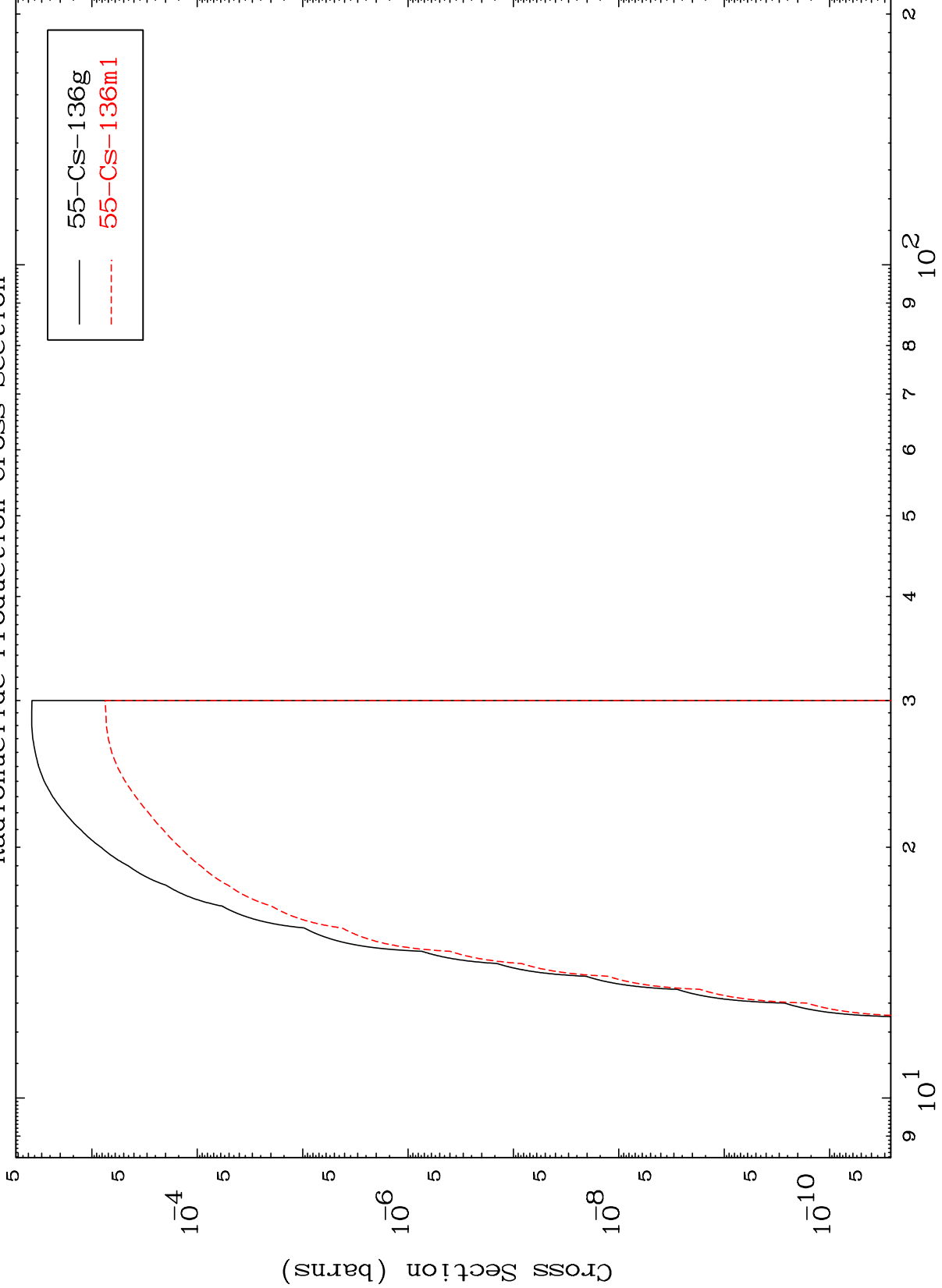
Incident Energy (MeV)

143

MAT 5649

56-Ba-138

(n, t)
Radionuclide Production Cross Section



144

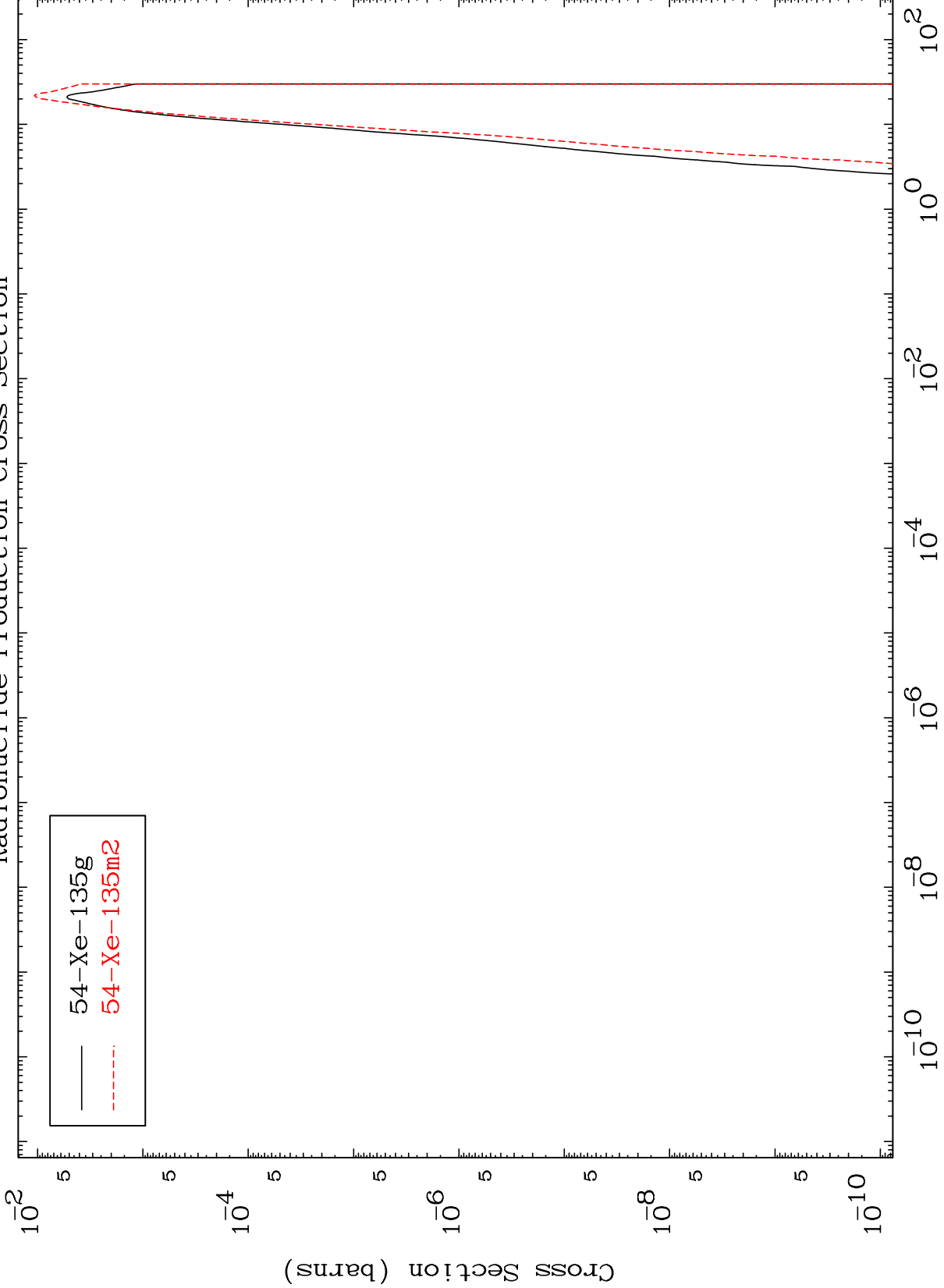
Incident Energy (MeV)

56-Ba-138

MAT 5649

56-Ba-138

Radionuclide Production Cross Section



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

56-Ba-138

Incident Energy (MeV)

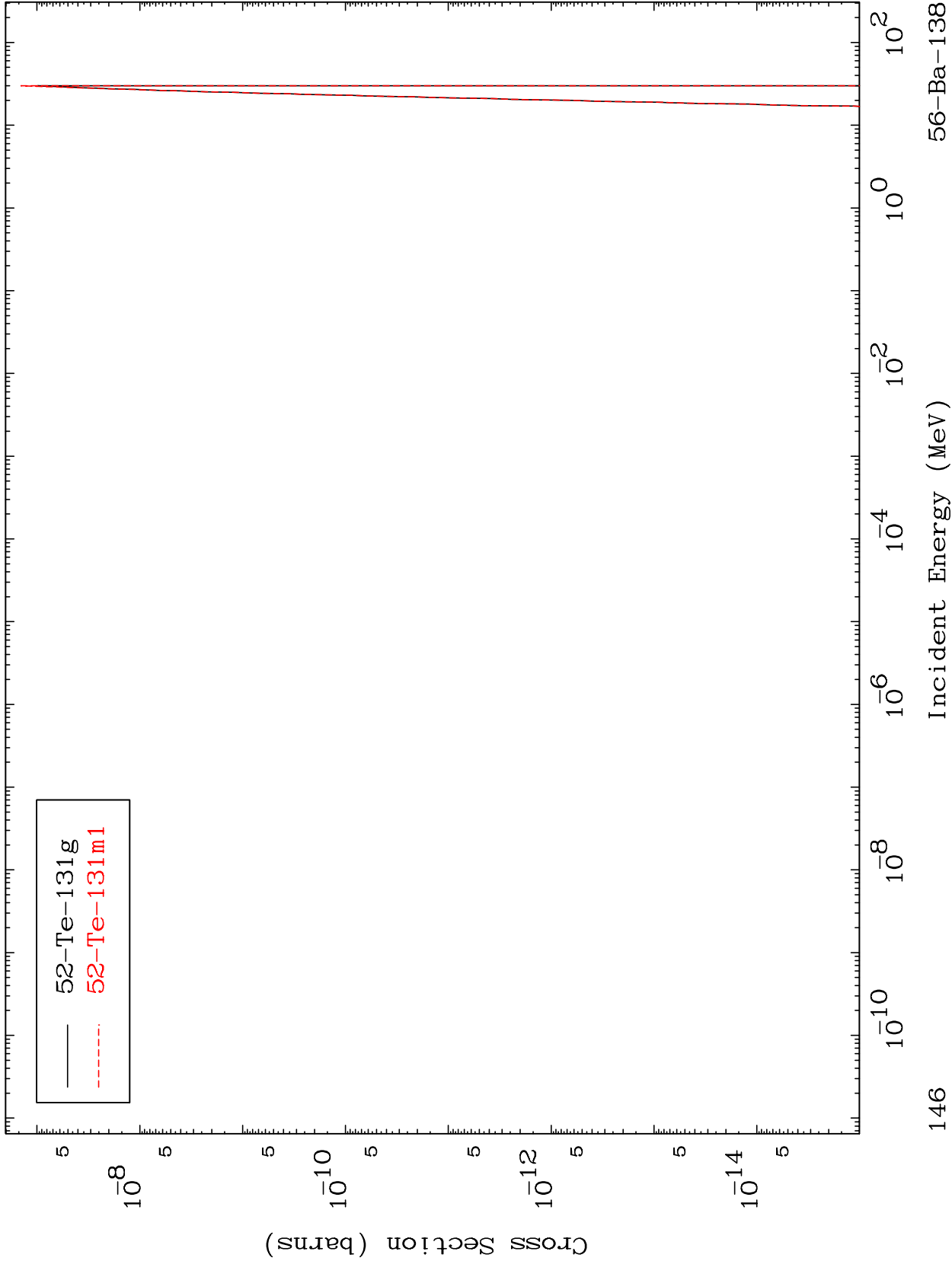
145

MAT 5649

(n,2α)

56-Ba-138

Radionuclide Production Cross Section



146

Incident Energy (MeV)

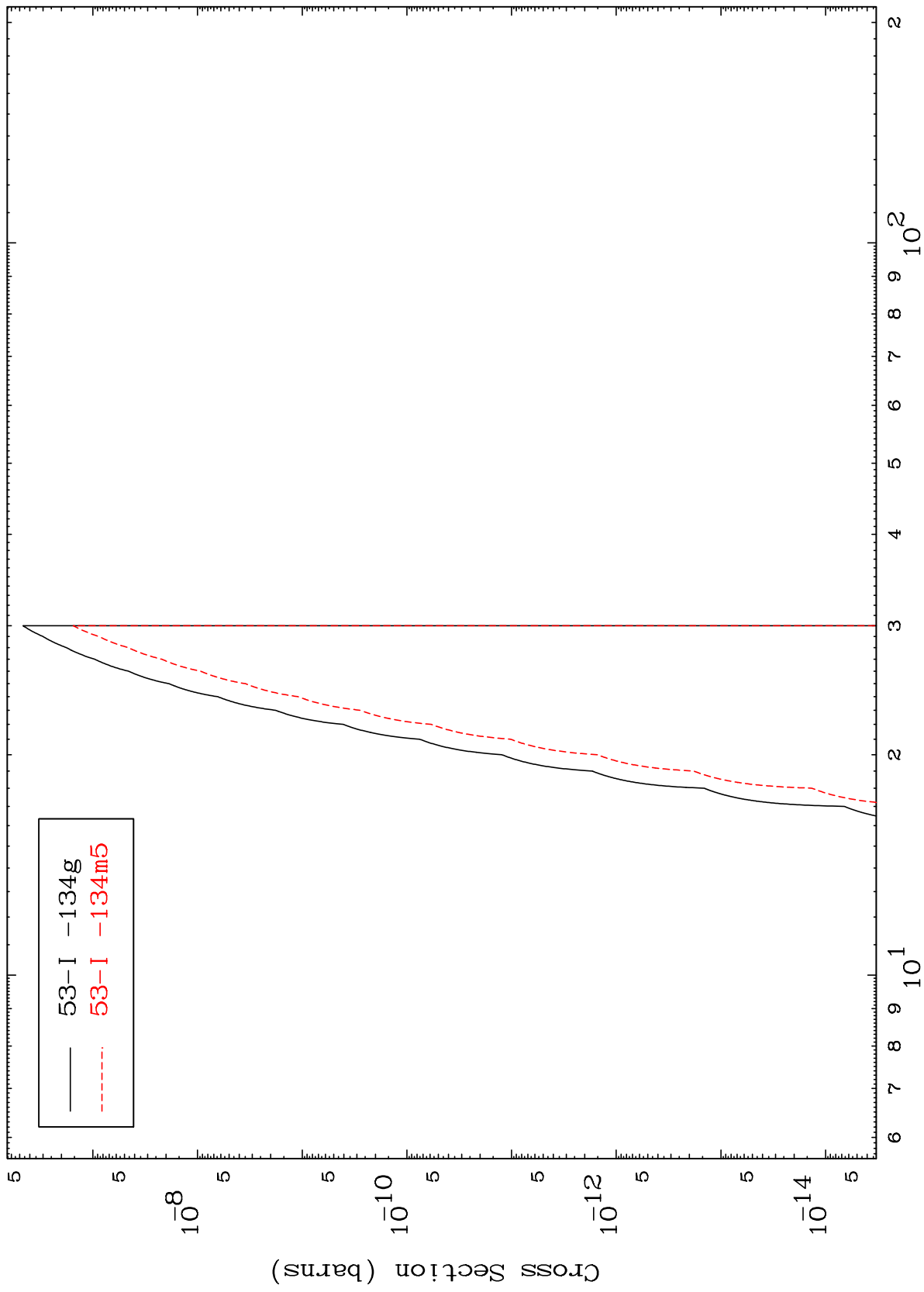
56-Ba-138

MAT 5649

(n,p) α

56-Ba-138

Radionuclide Production Cross Section



147

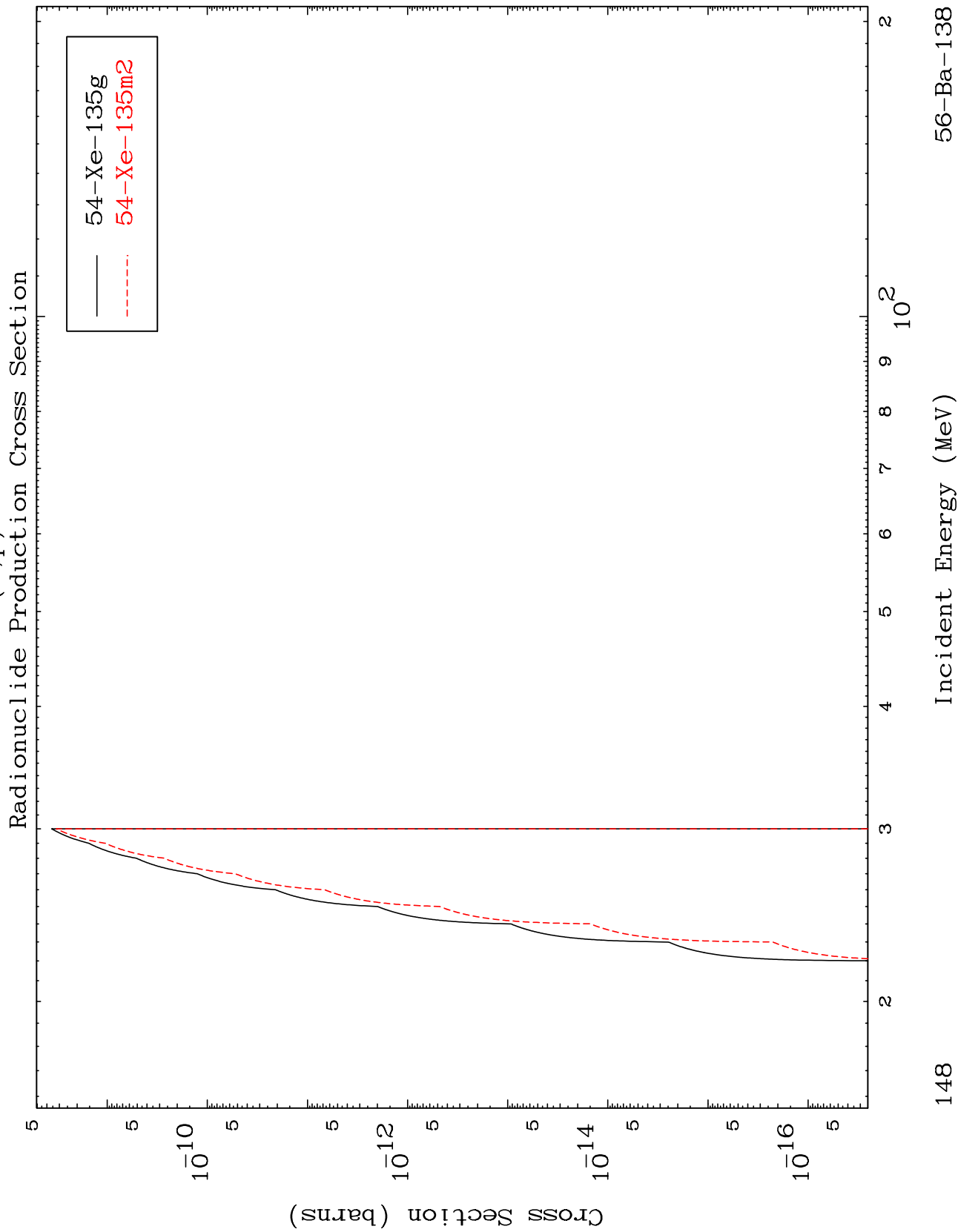
Incident Energy (MeV)

56-Ba-138

MAT 5649

(n,p) t

56-Ba-138



148

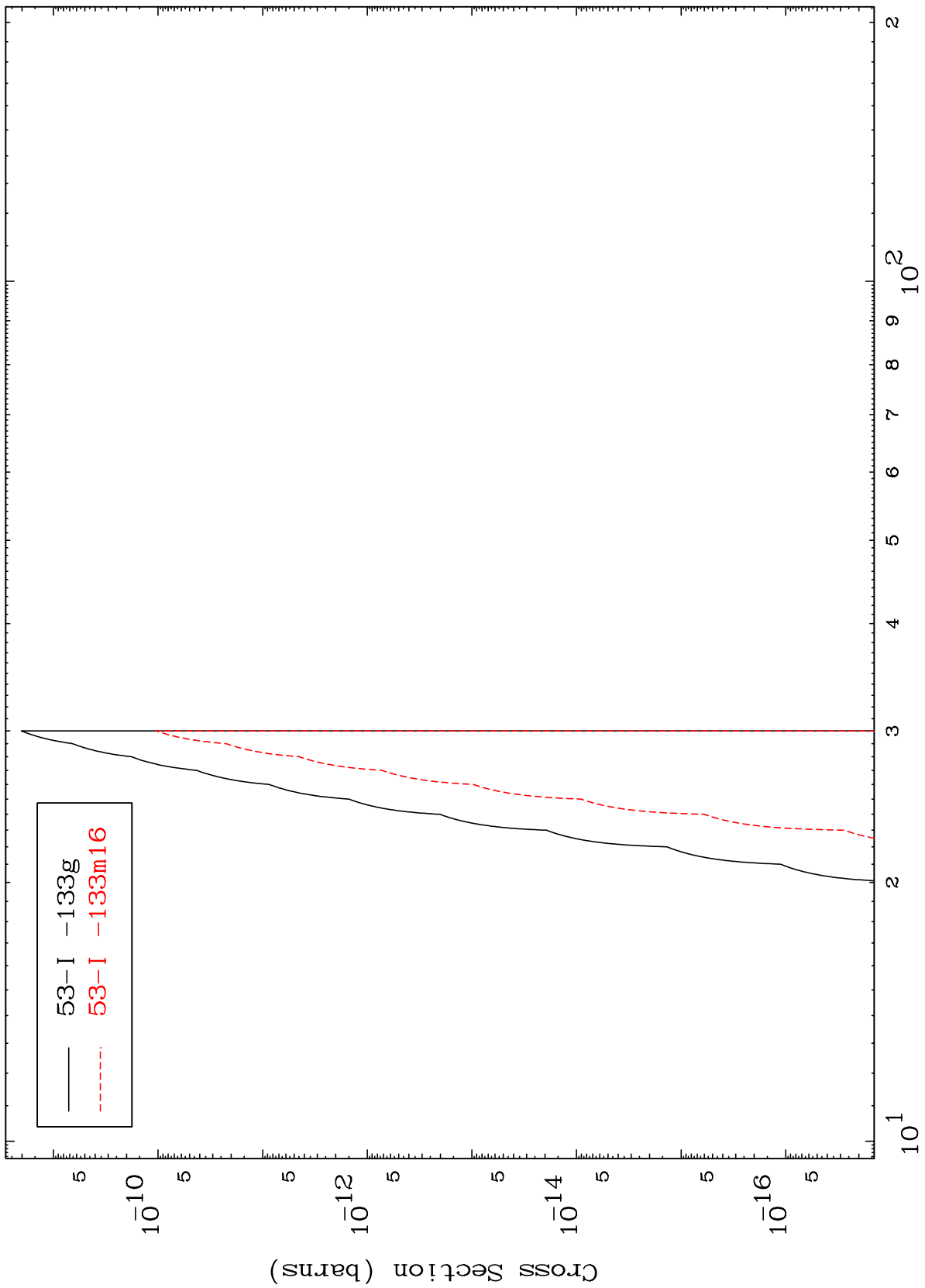
56-Ba-138

MAT 5649

(n,d) α

56-Ba-138

Radionuclide Production Cross Section



149

Incident Energy (MeV)

56-Ba-138