

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

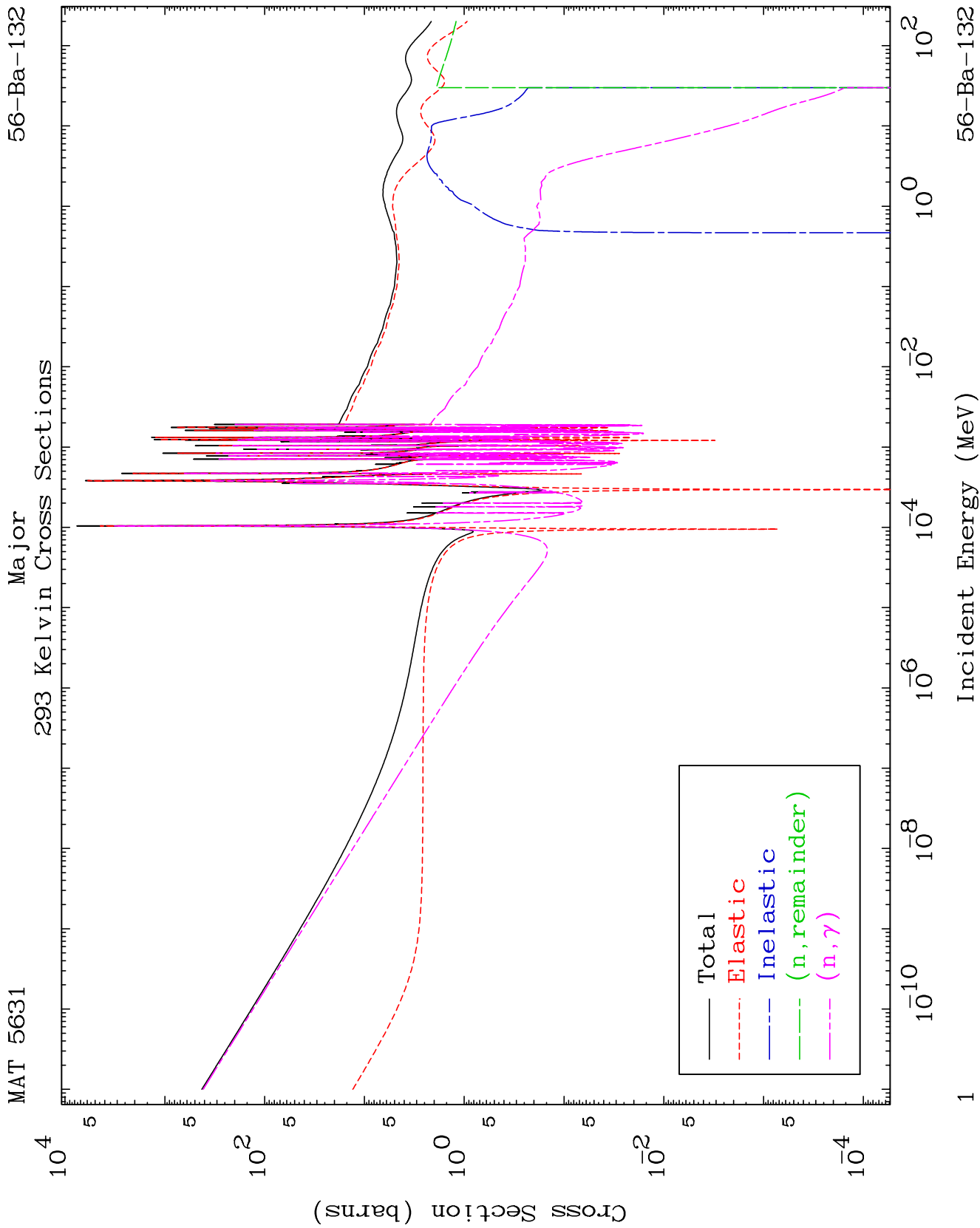
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start



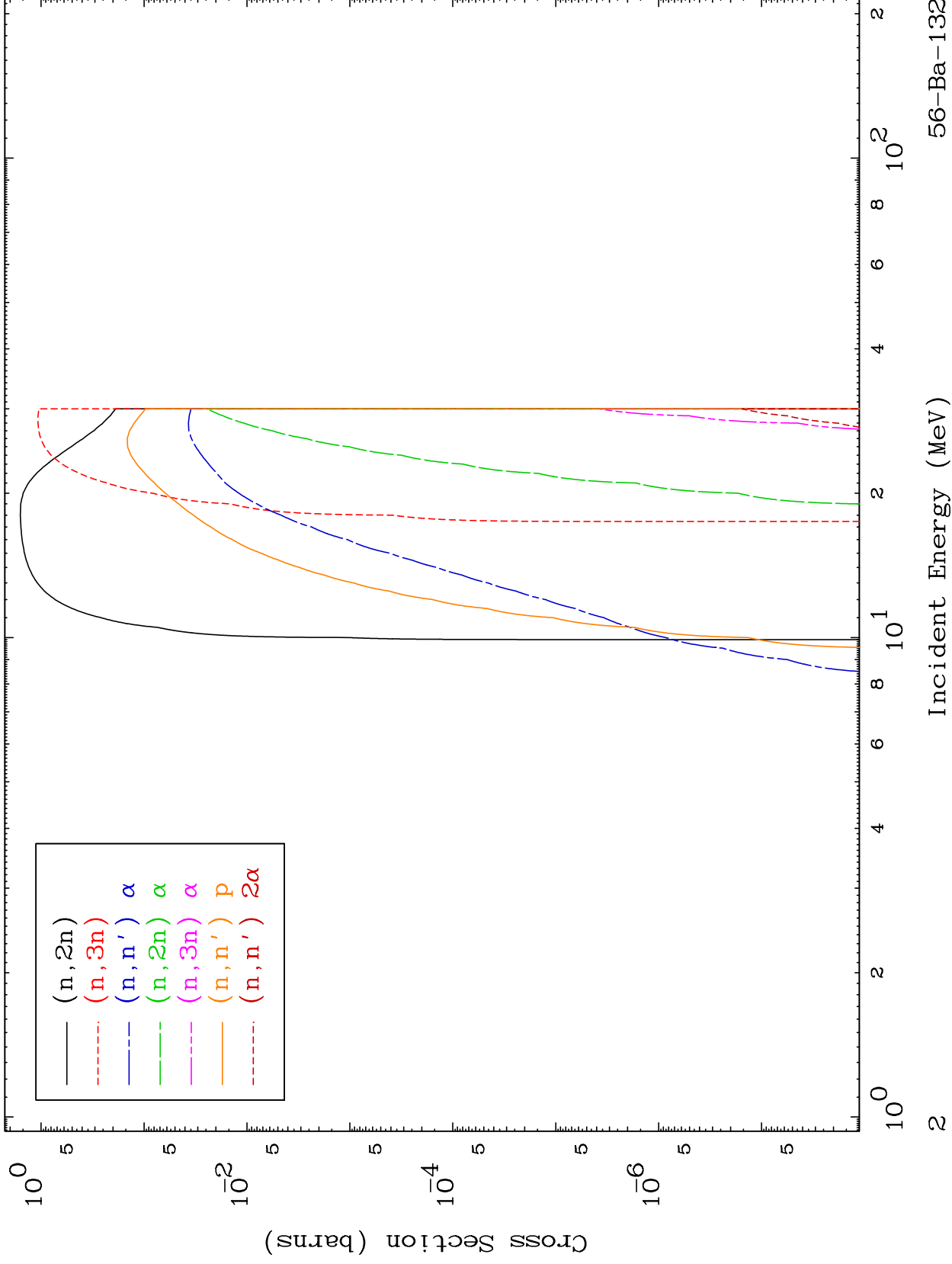
MAT 5631

56-Ba-132

MAT 5631

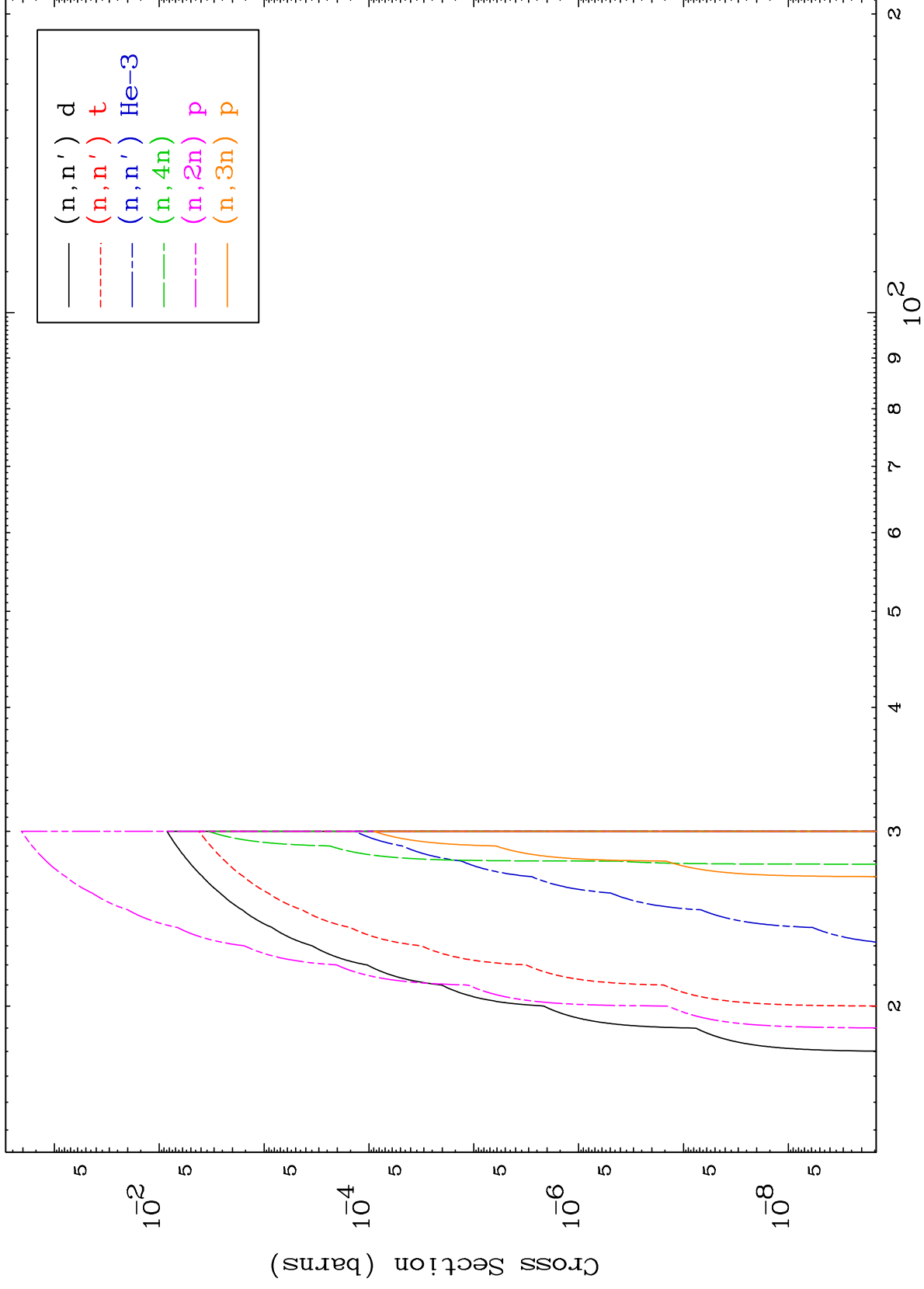
Neutron Production
293 Kelvin Cross Sections

56-Ba-132



Incident Energy (MeV)

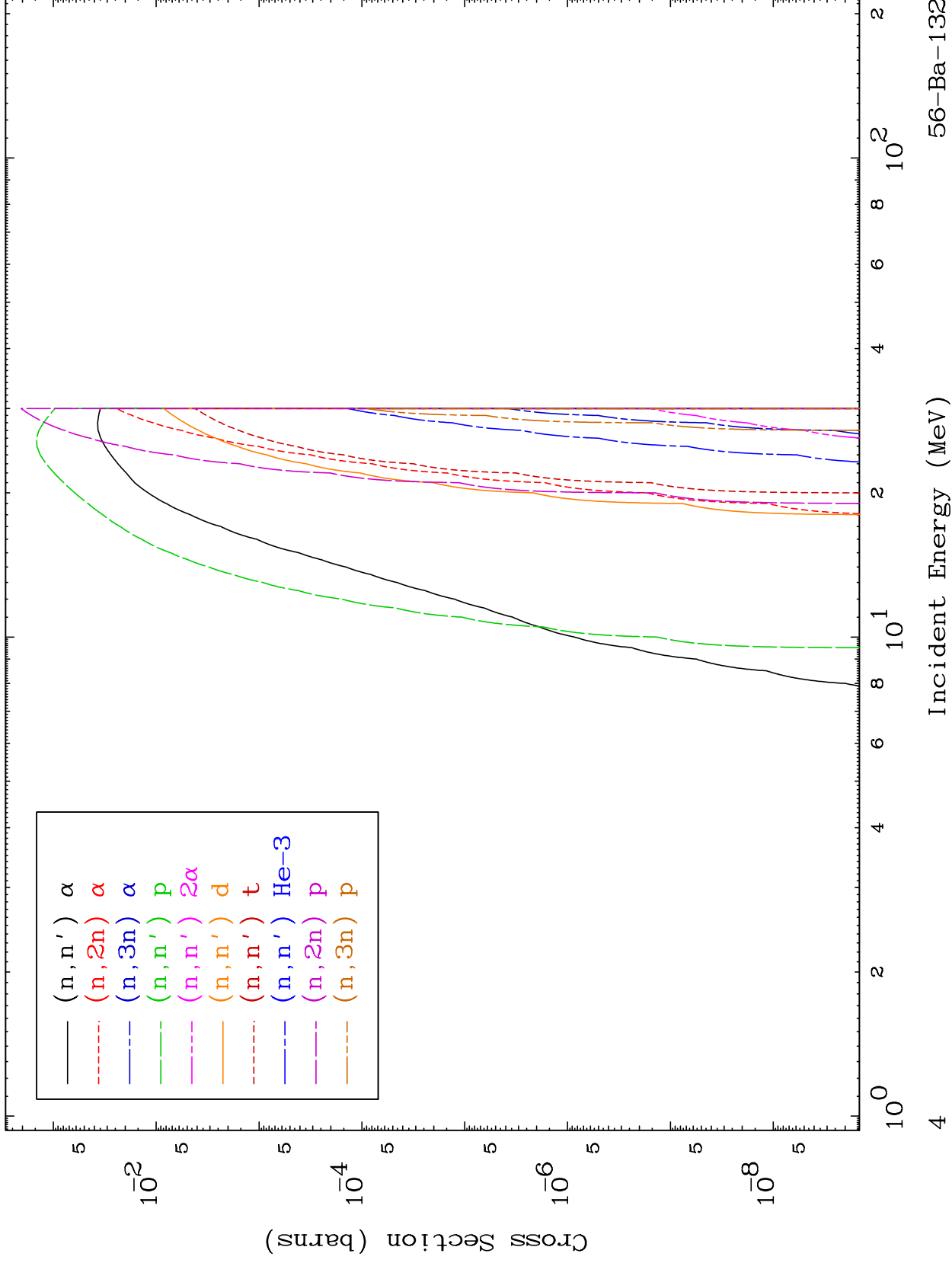
56-Ba-132



MAT 5631

Charged Particle
293 Kelvin Cross Sections

56-Ba-132



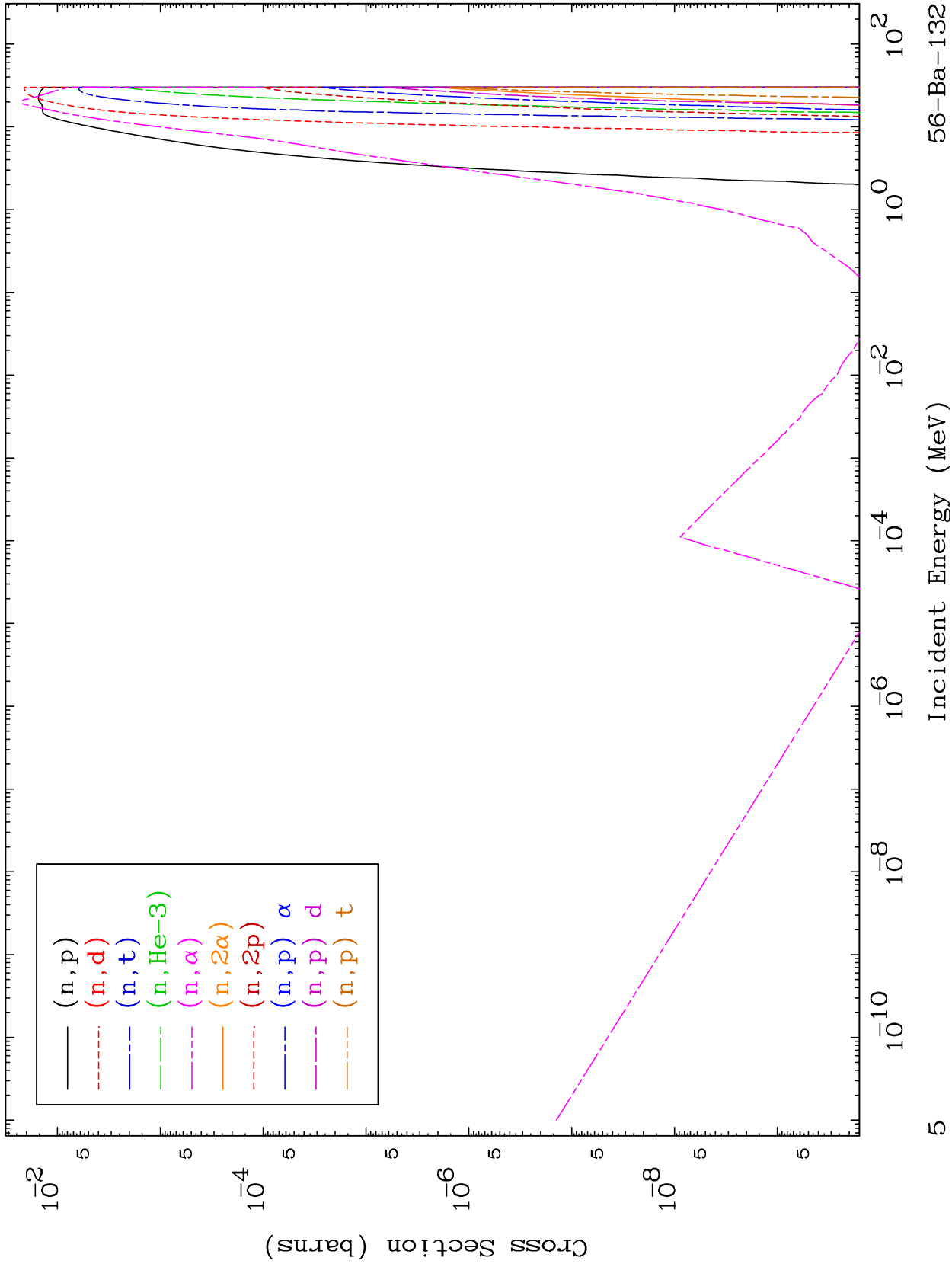
56-Ba-132

Incident Energy (MeV)

MAT 5631

Charged Particle
293 Kelvin Cross Sections

56-Ba-132

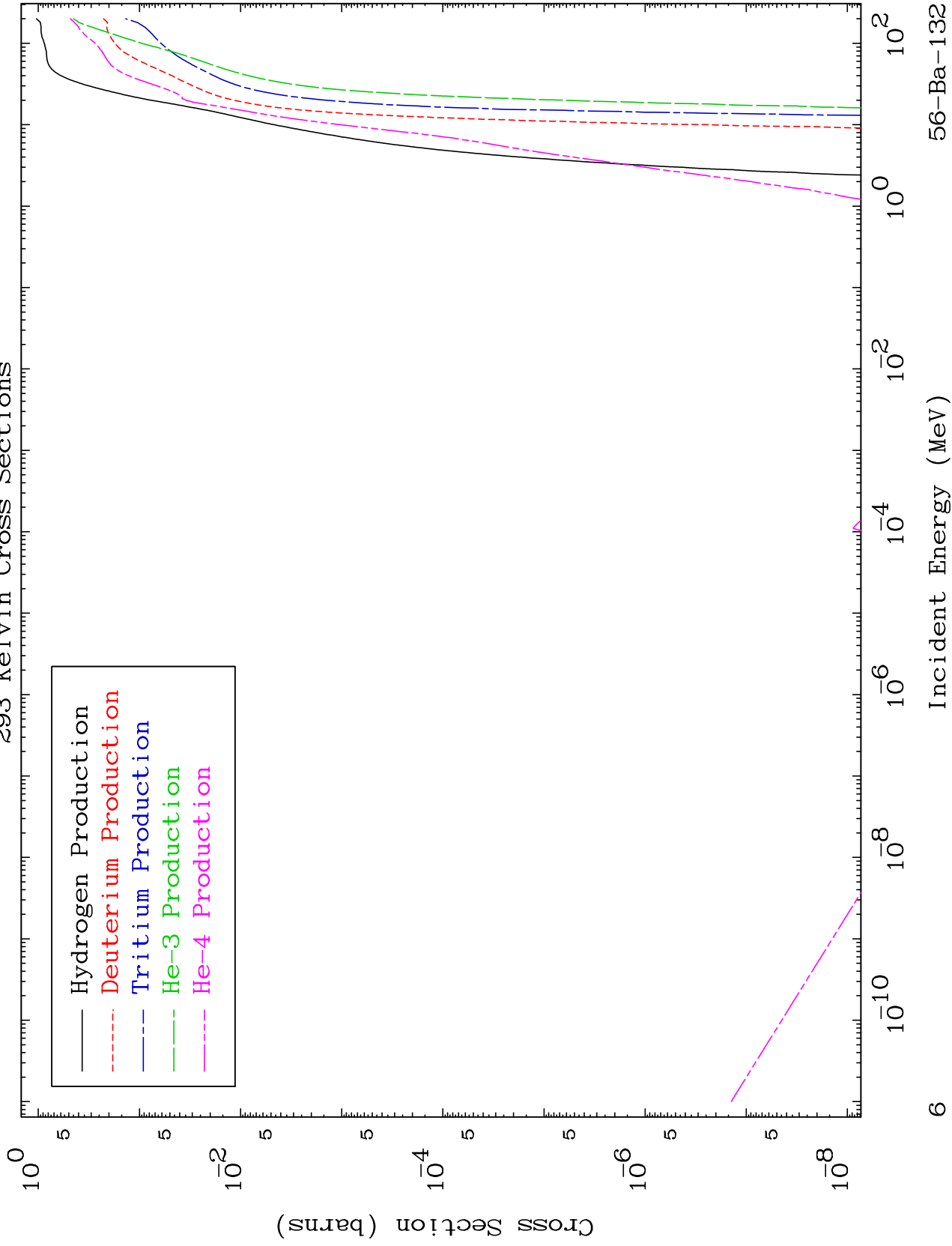


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MAT 5631

Particle Production
293 Kelvin Cross Sections

56-Ba-132

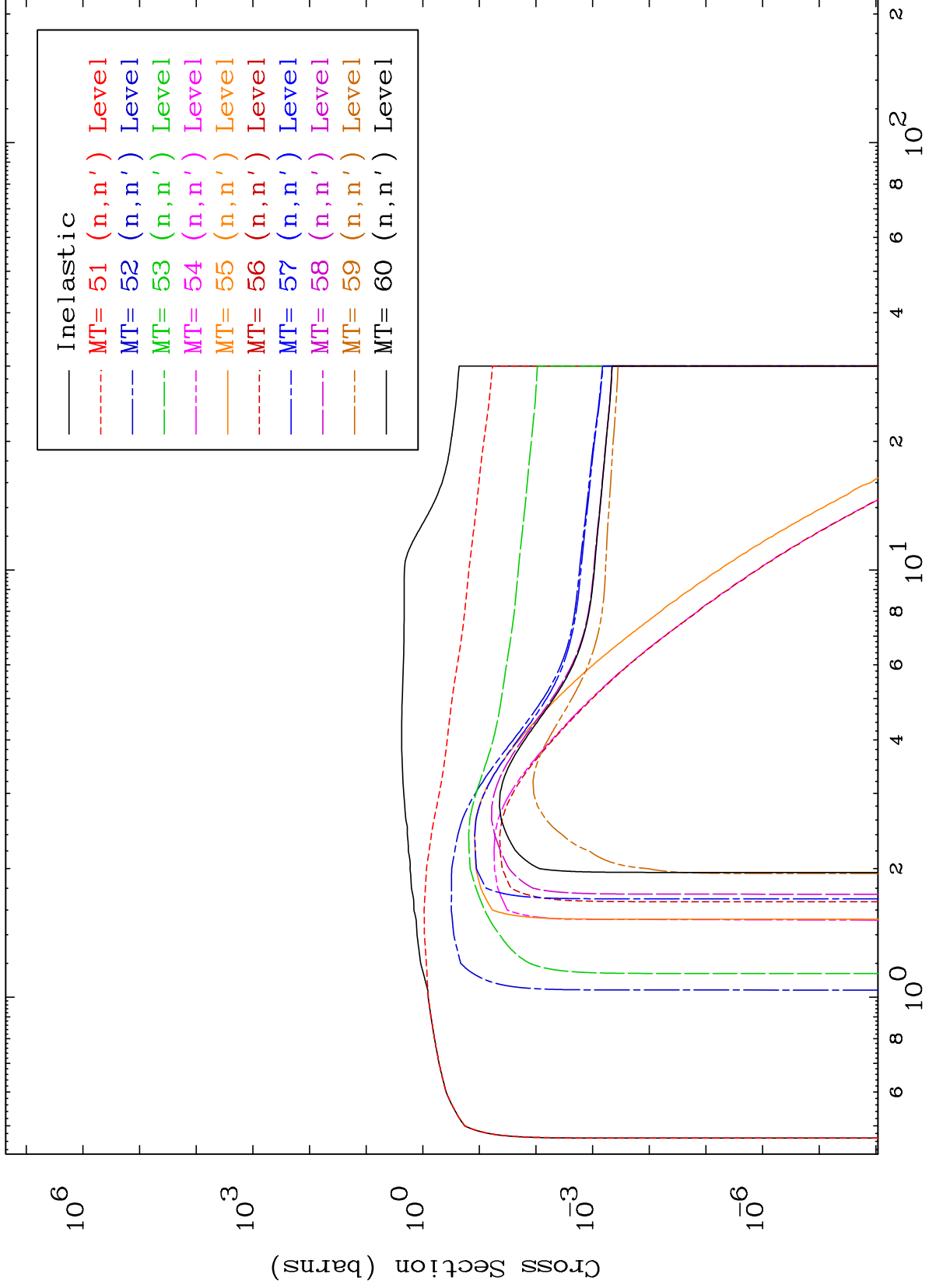


MAT 5631

(n,n') Level

56-Ba-132

293 Kelvin Cross Sections

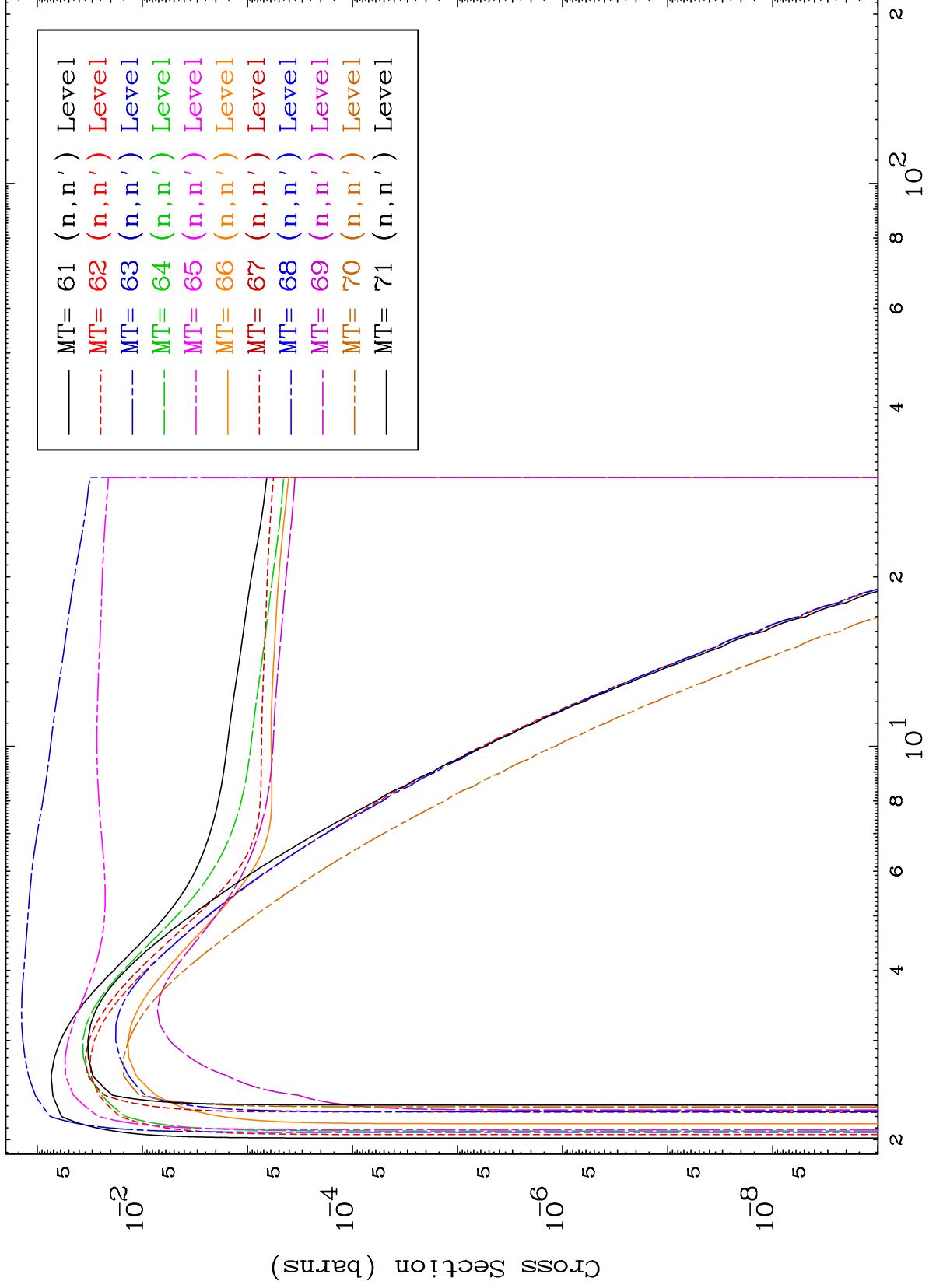


MAT 5631

(n,n') Level

56-Ba-132

293 Kelvin Cross Sections

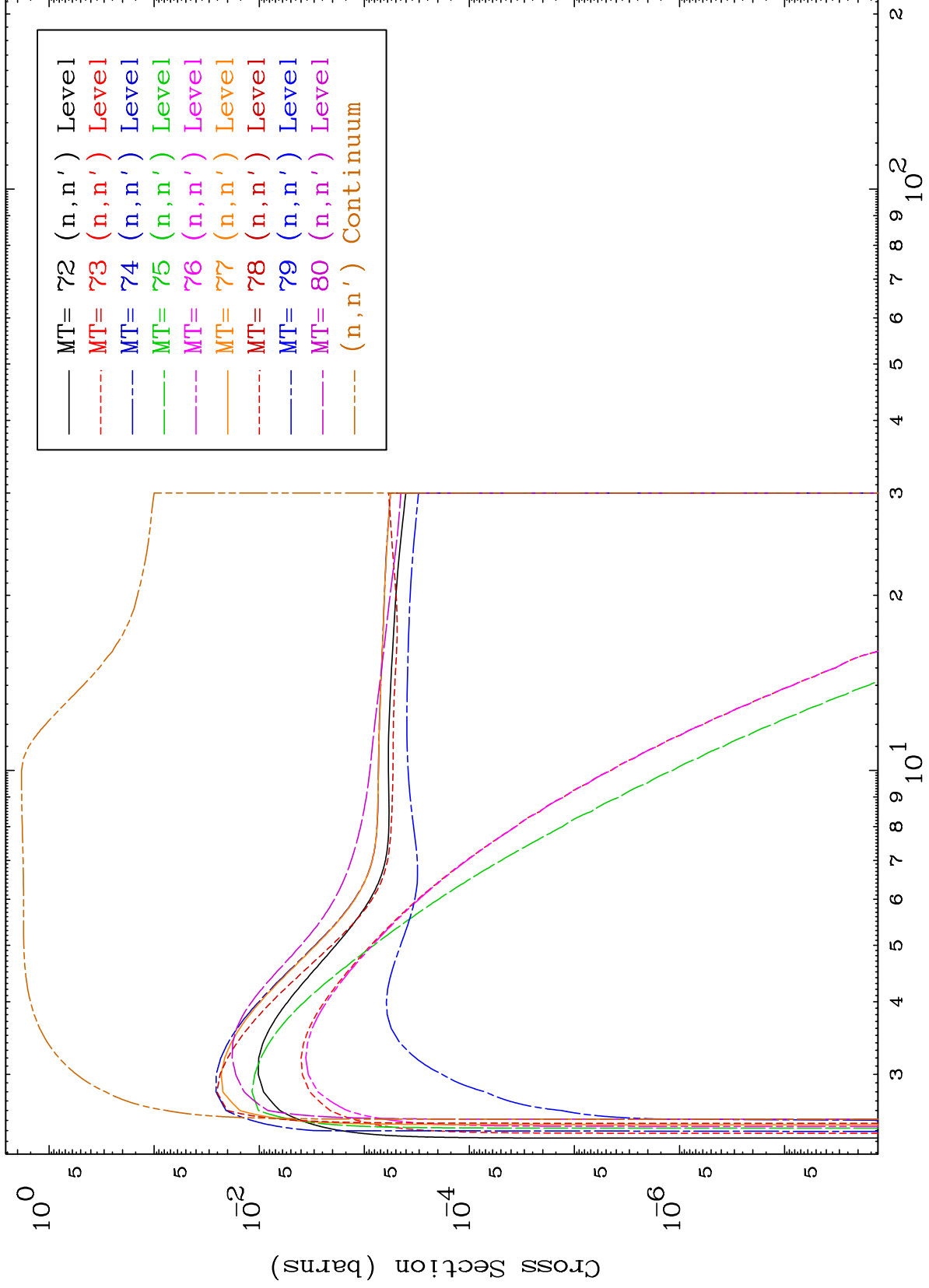


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Incident Energy (MeV)

56-Ba-132

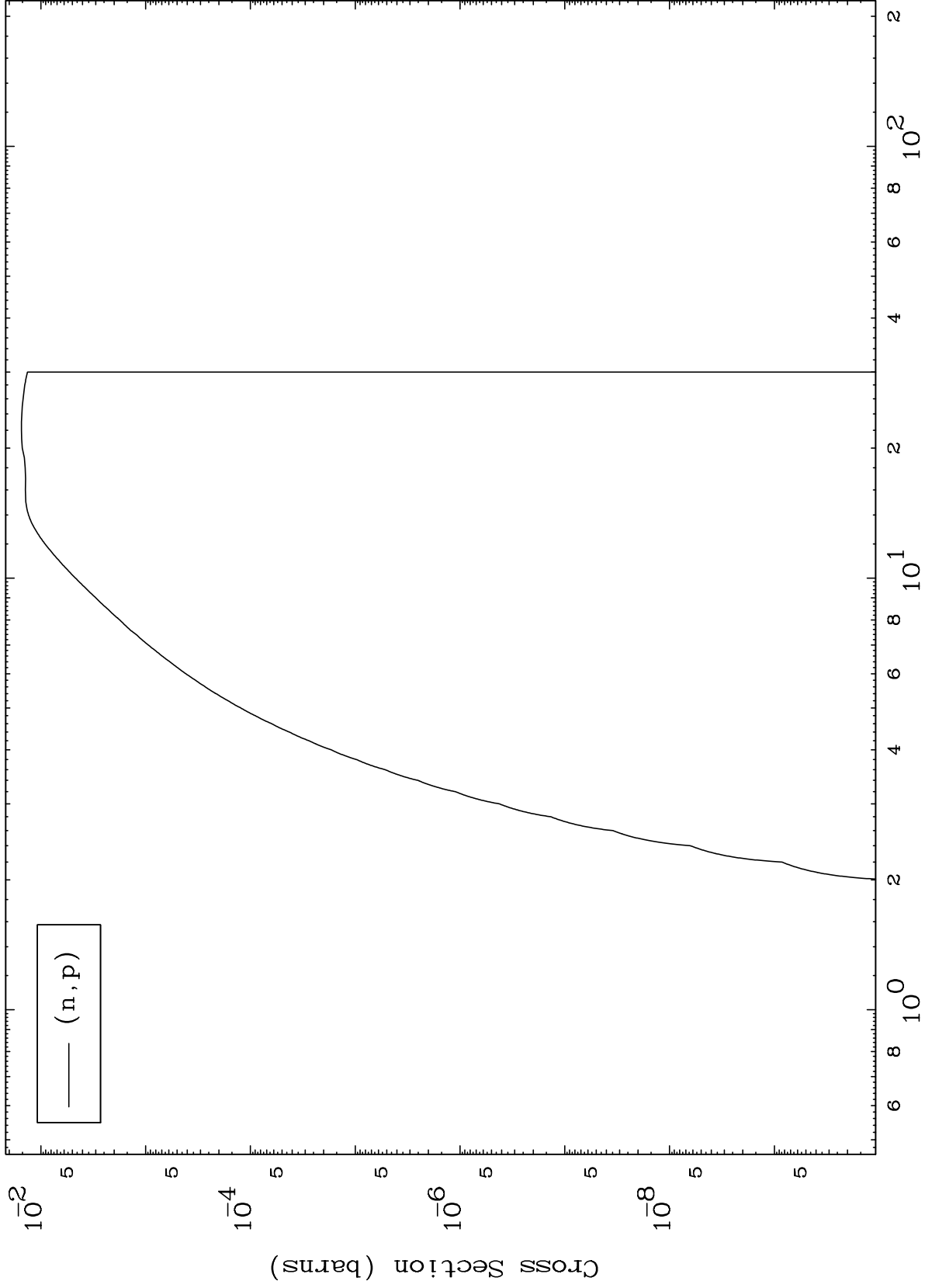
293 Kelvin Cross Sections



MAT 5631

(n,p) Levels
293 Kelvin Cross Sections

56-Ba-132



10

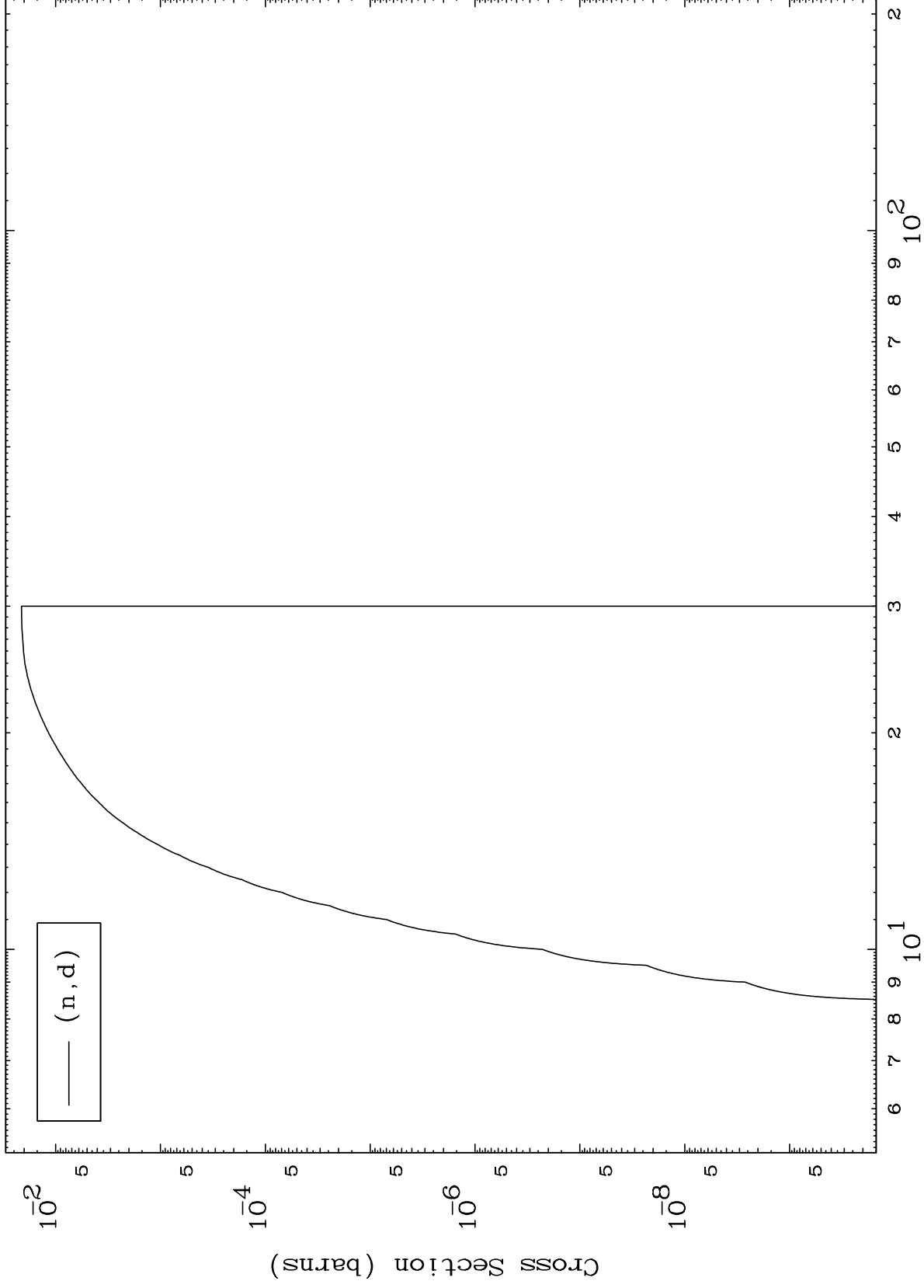
Incident Energy (MeV)

56-Ba-132

MAT 5631

(n,d) Levels
293 Kelvin Cross Sections

56-Ba-132



11

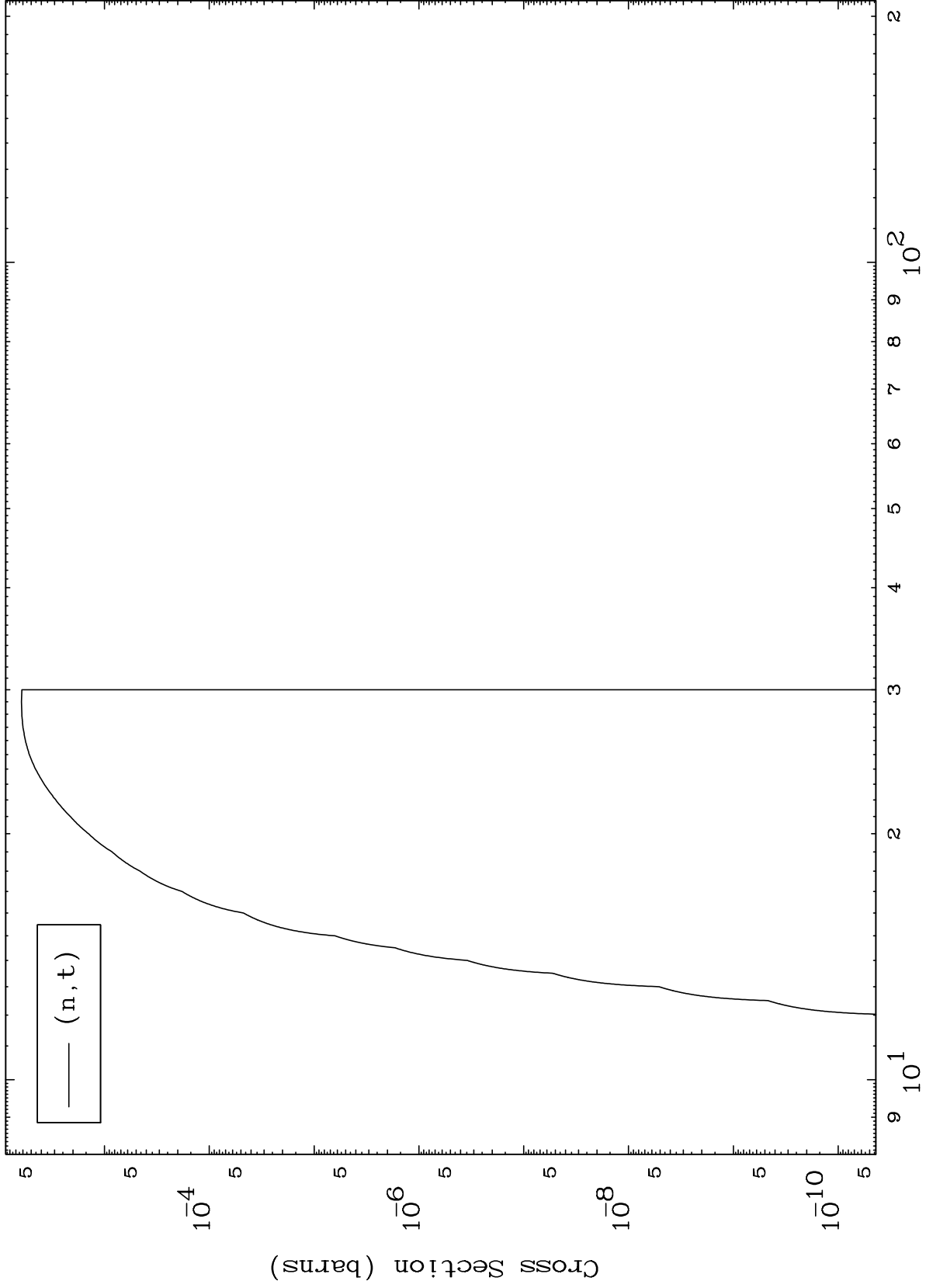
Incident Energy (MeV)

56-Ba-132

MAT 5631

(n,t) Levels
293 Kelvin Cross Sections

56-Ba-132



12

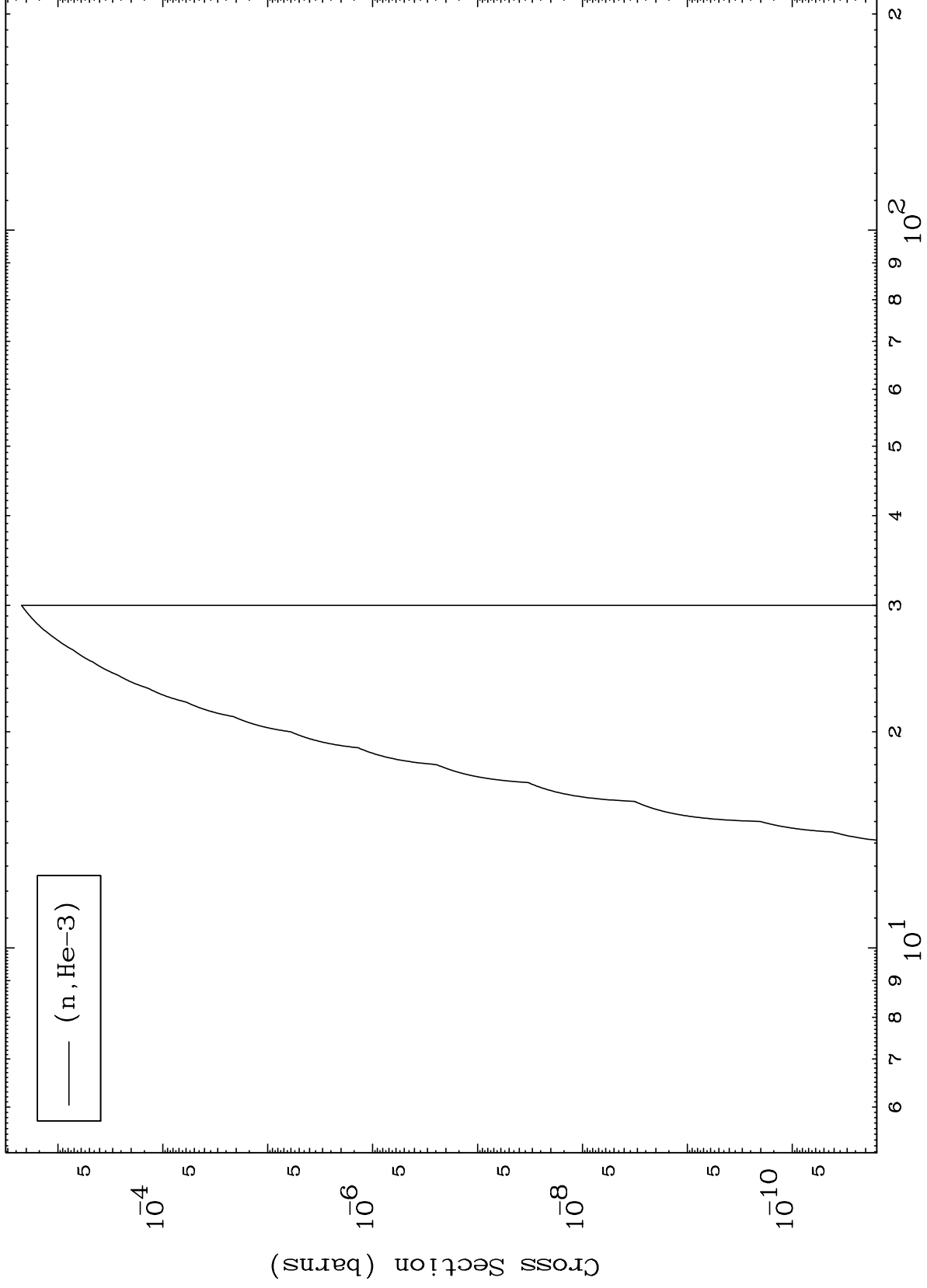
Incident Energy (MeV)

56-Ba-132

MAT 5631

(n,He3) Levels
293 Kelvin Cross Sections

56-Ba-132



13

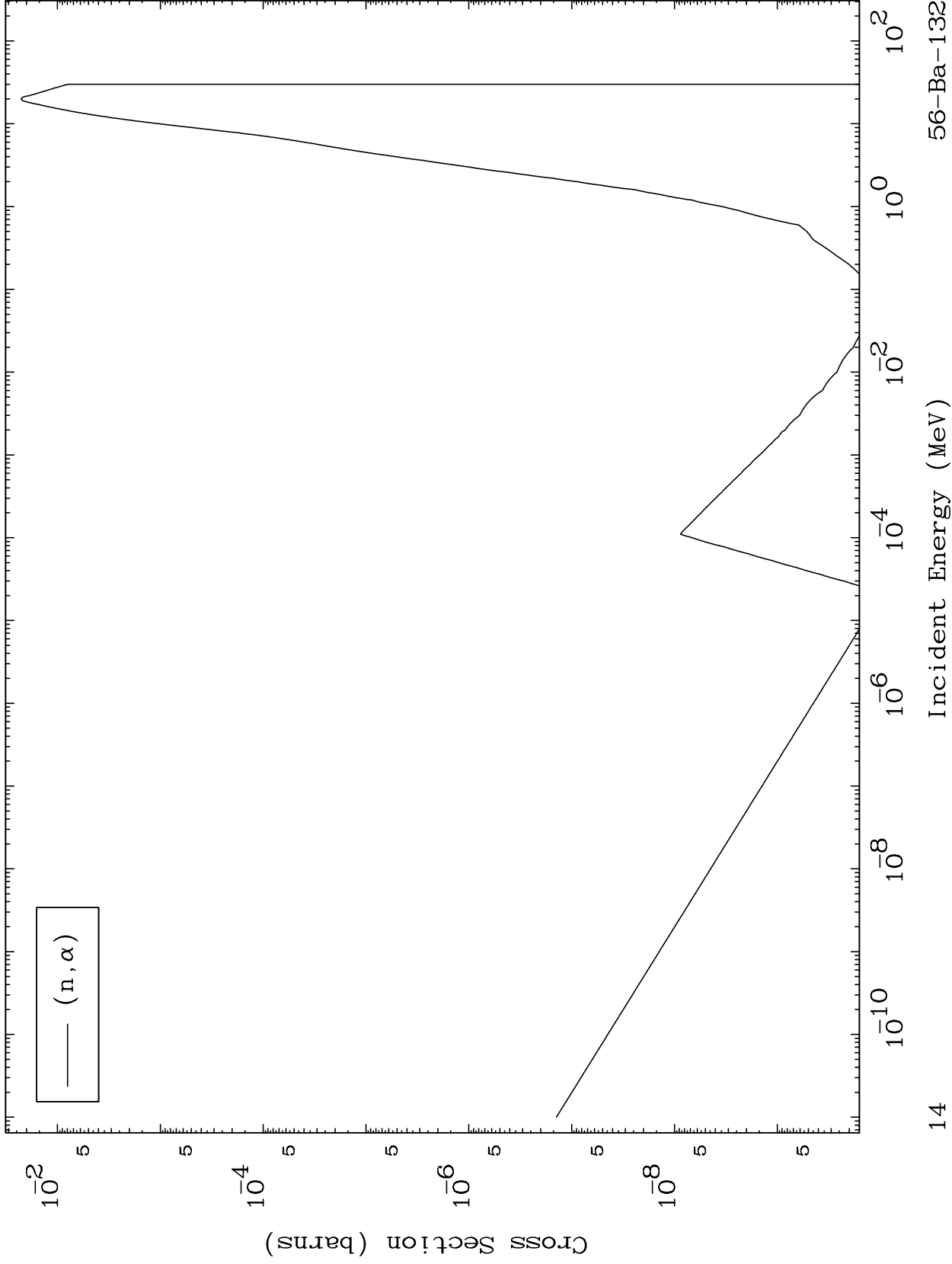
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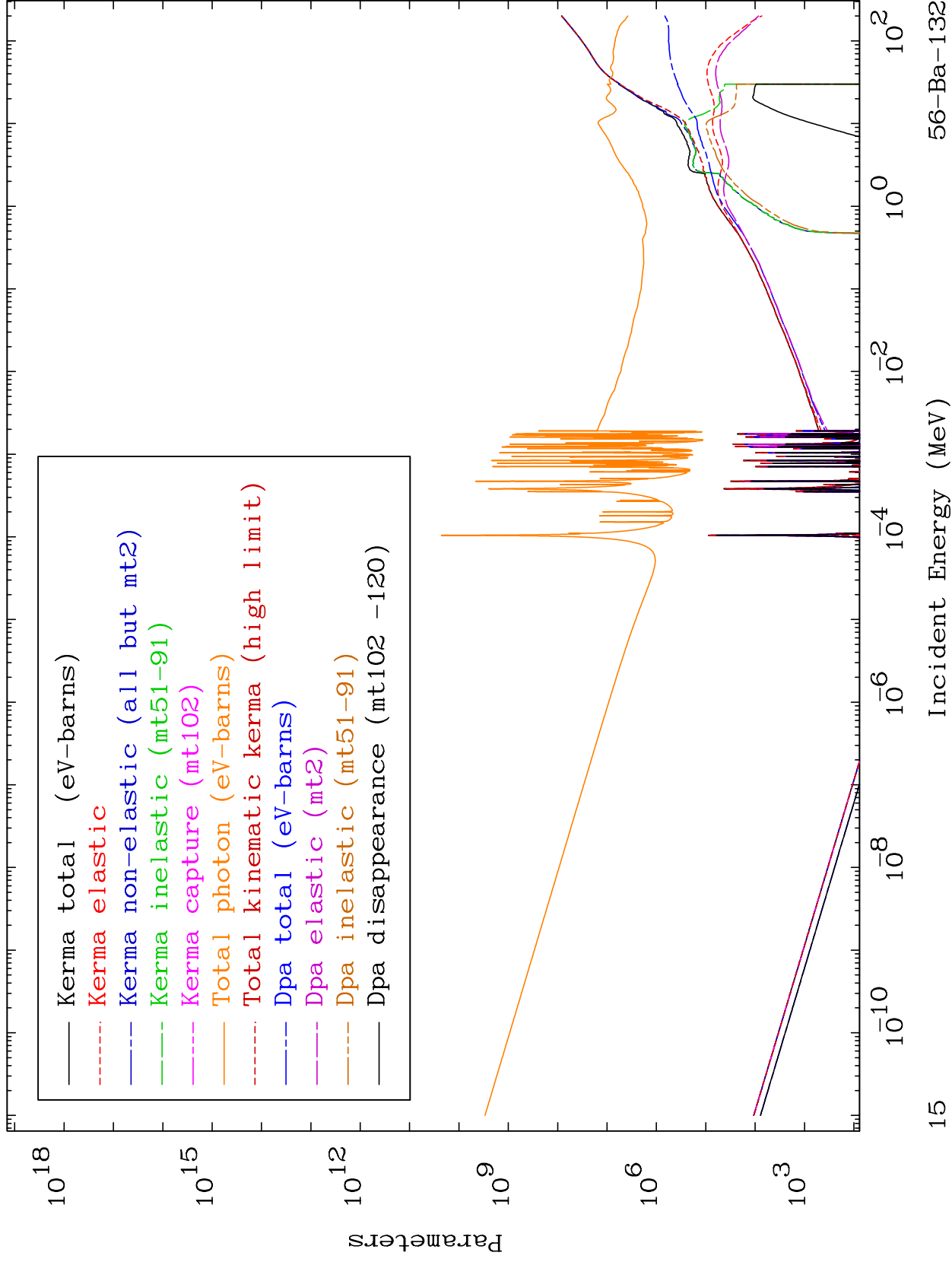
56-Ba-132

MAT 5631

(n, α) Levels
293 Kelvin Cross Sections

56-Ba-132

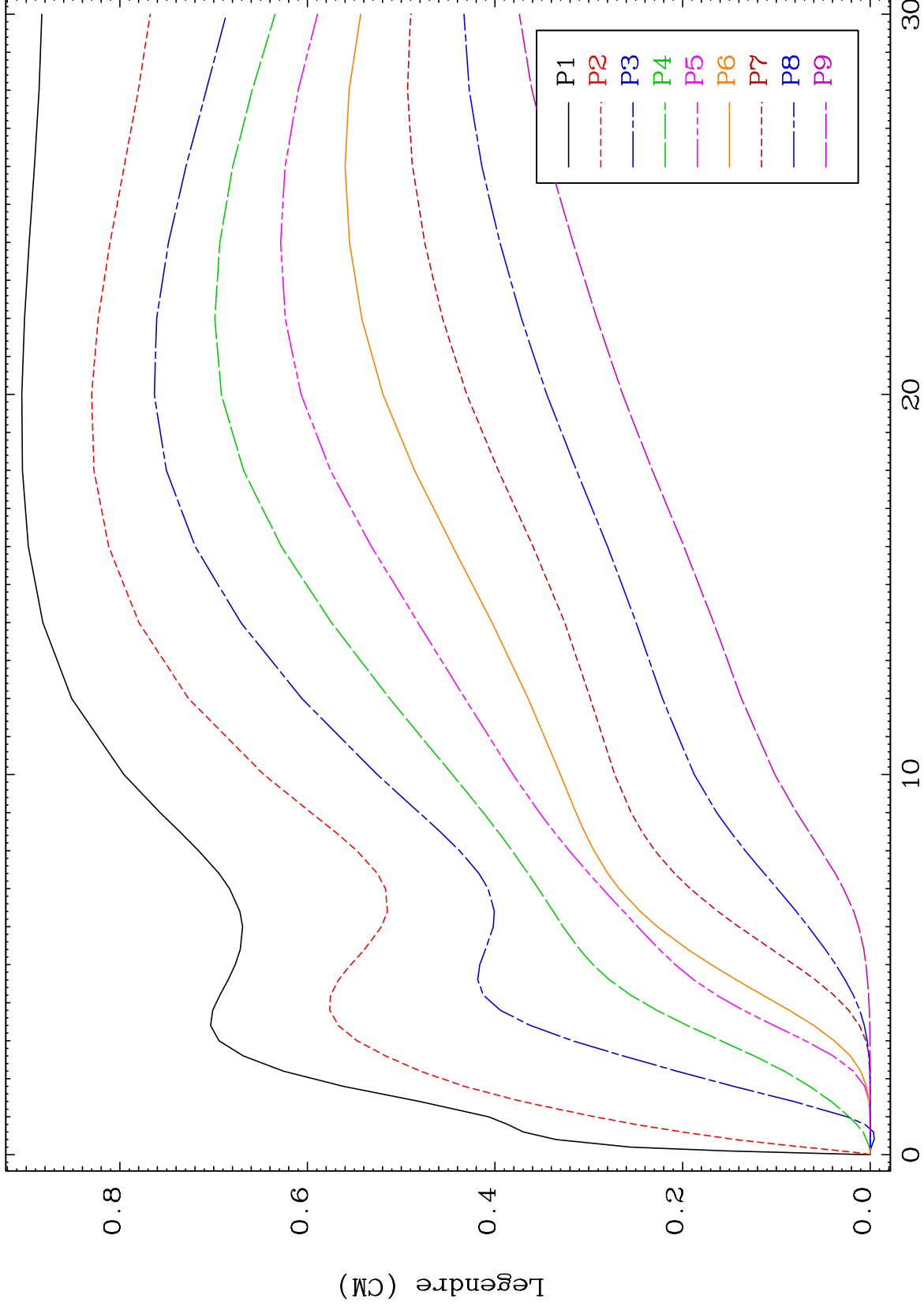




MAT 5631

Elastic Legendre Coefficients

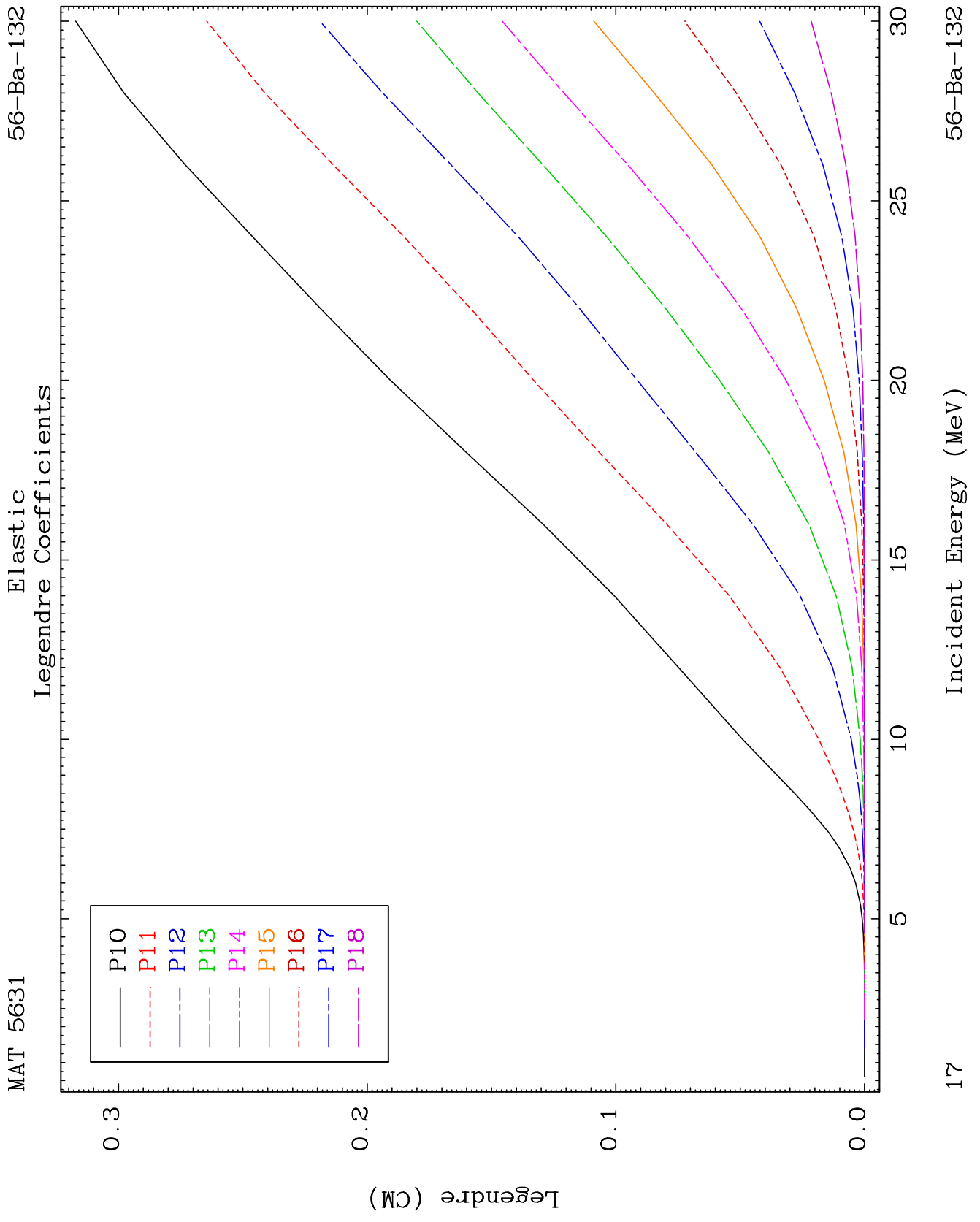
56-Ba-132



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Incident Energy (MeV)

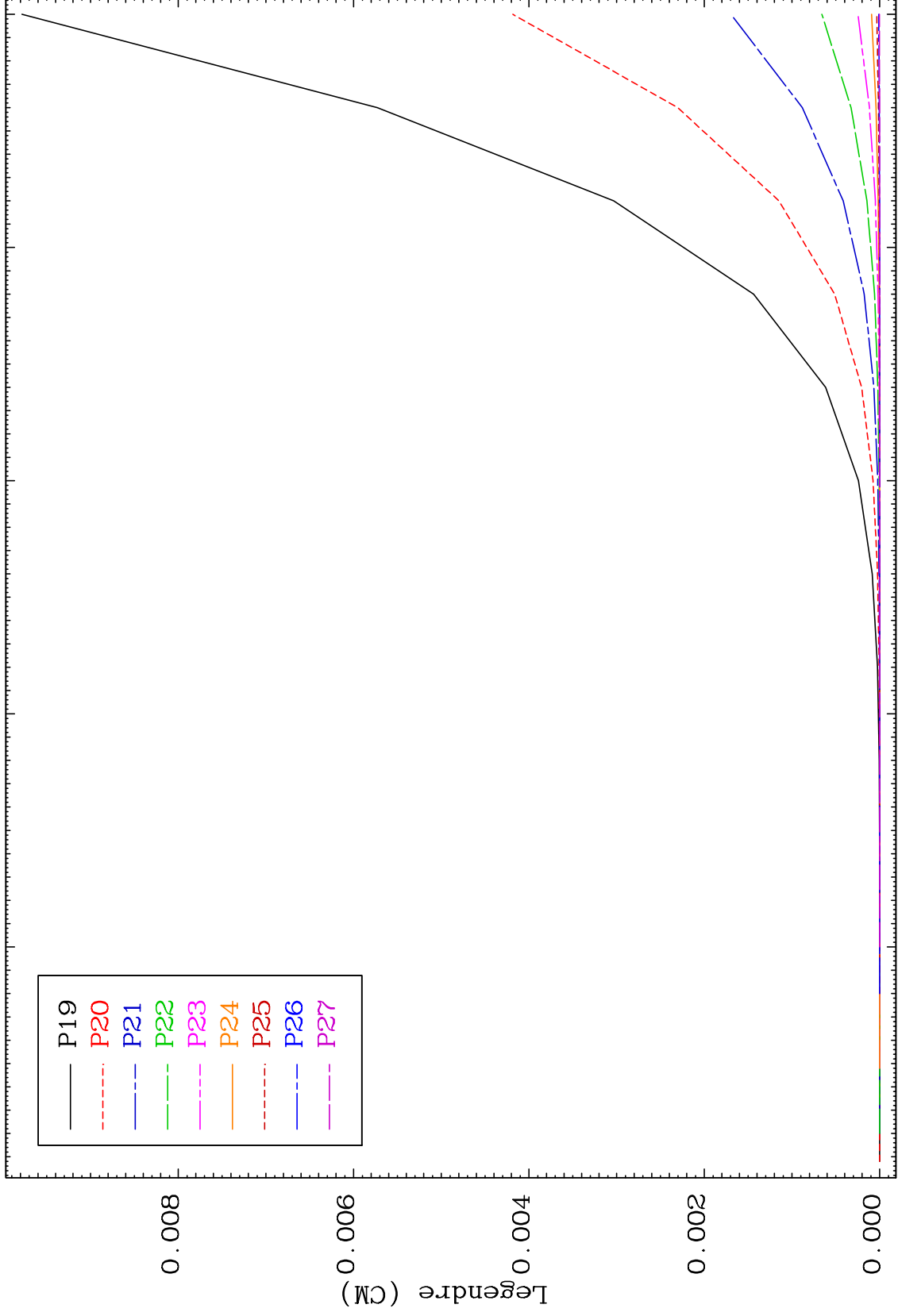
56-Ba-132



MAT 5631

Elastic Legendre Coefficients

56-Ba-132



18

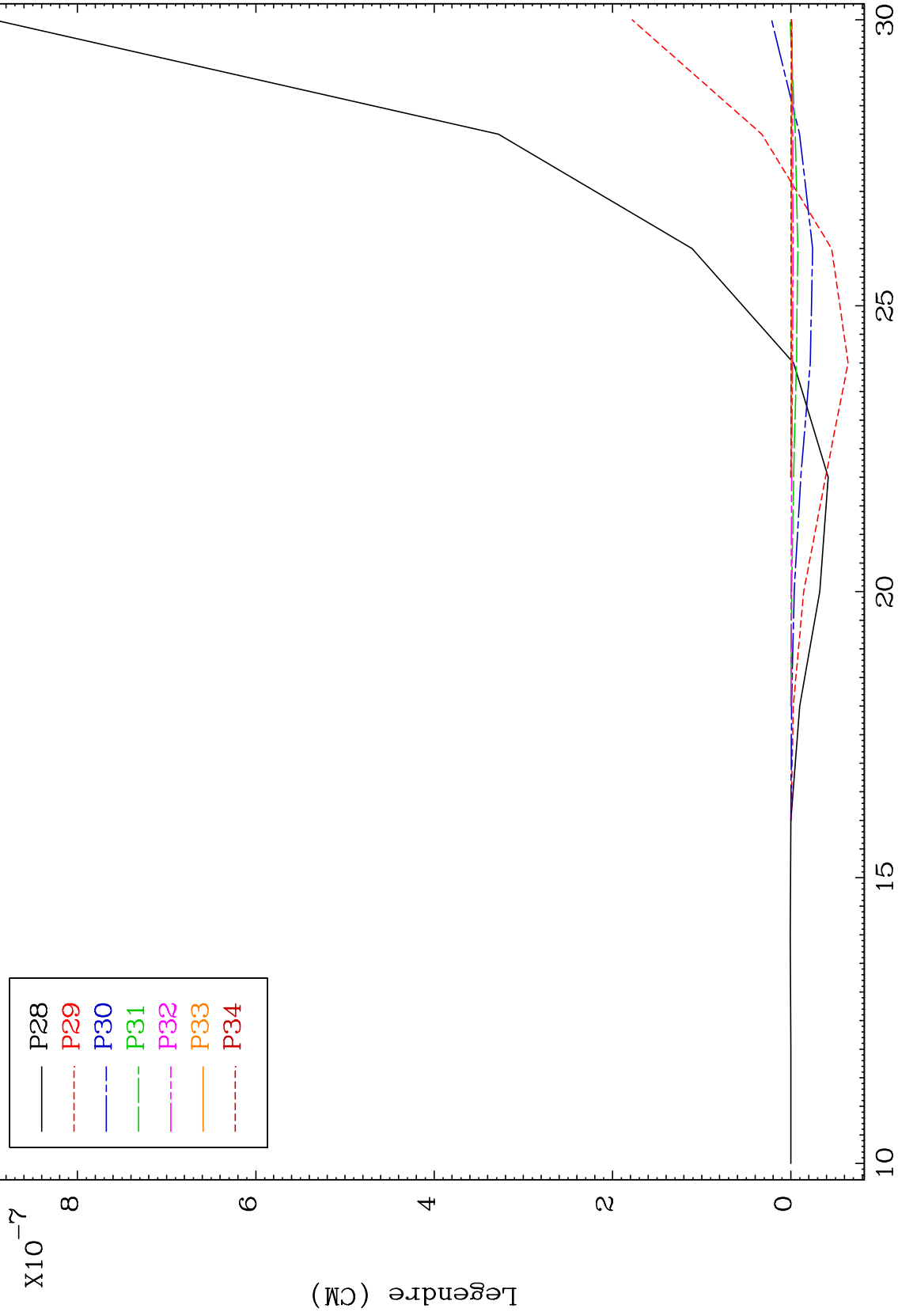
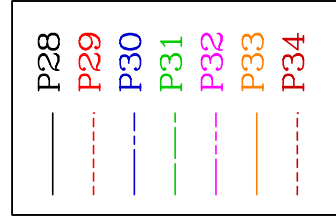
Incident Energy (MeV)

56-Ba-132

MAT 5631

Elastic Legendre Coefficients

56-Ba-132



10

15

20

25

30

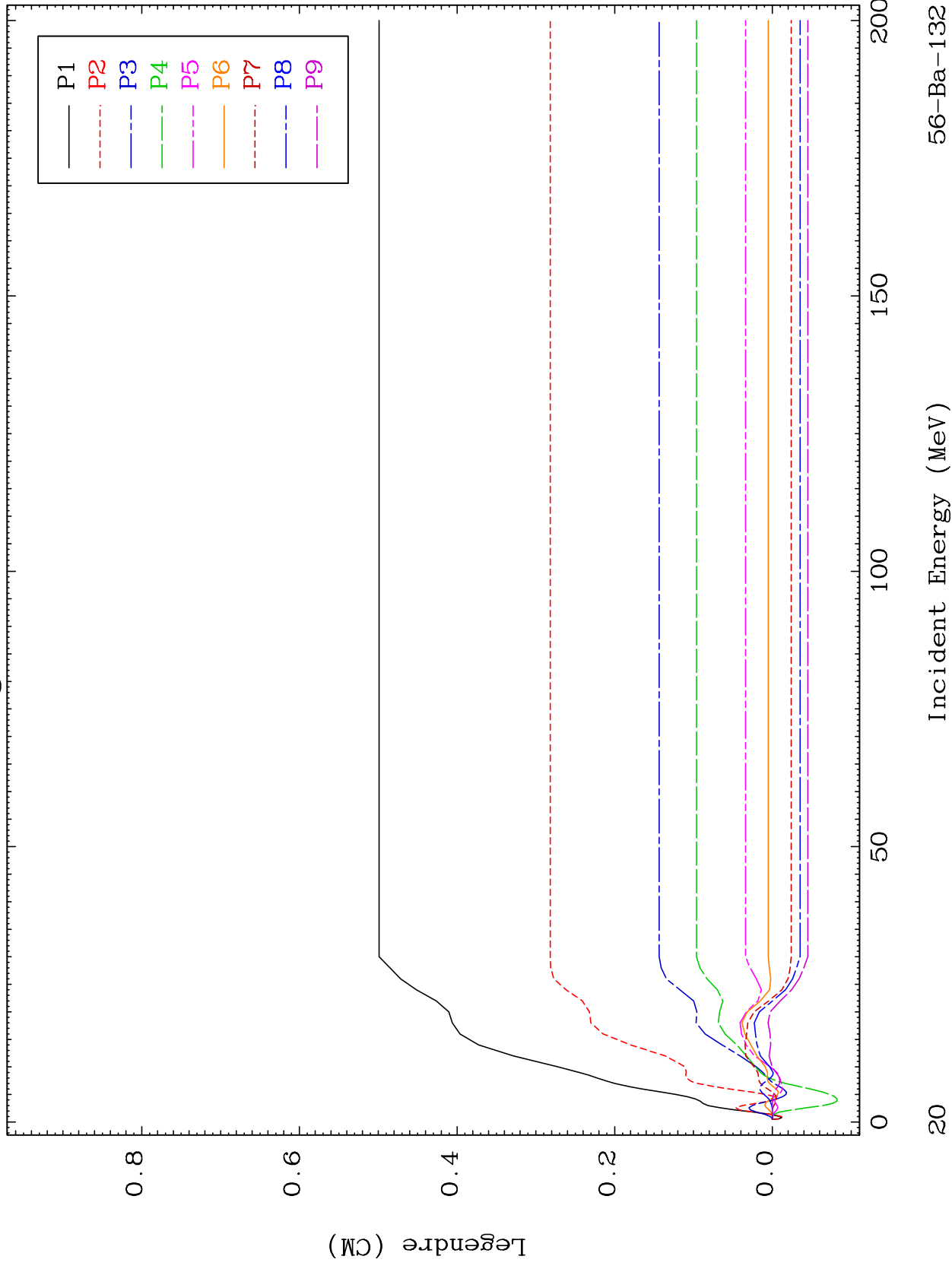
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

56-Ba-132



56-Ba-132

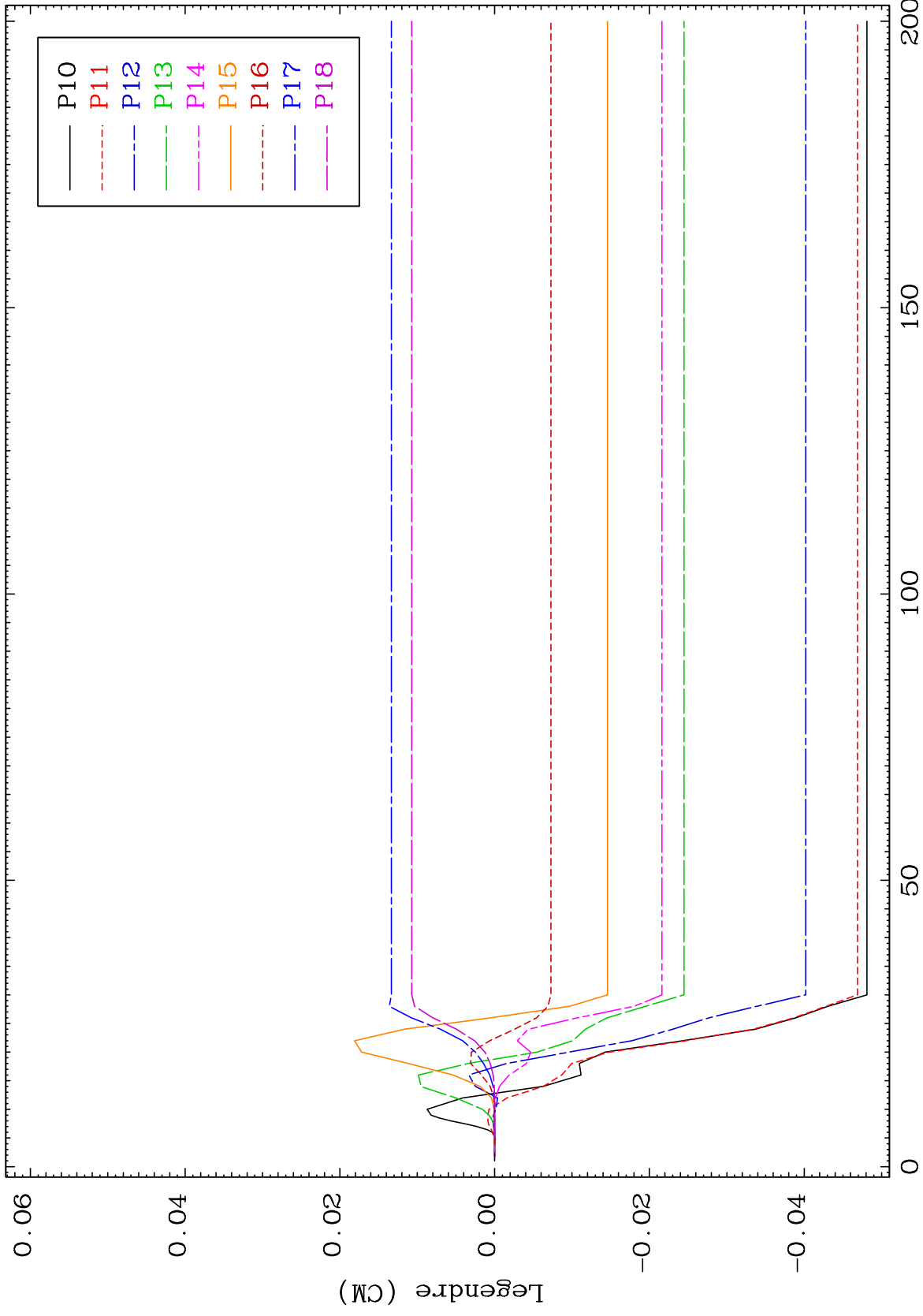
Incident Energy (MeV)

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MAT 5631

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

56-Ba-132



21

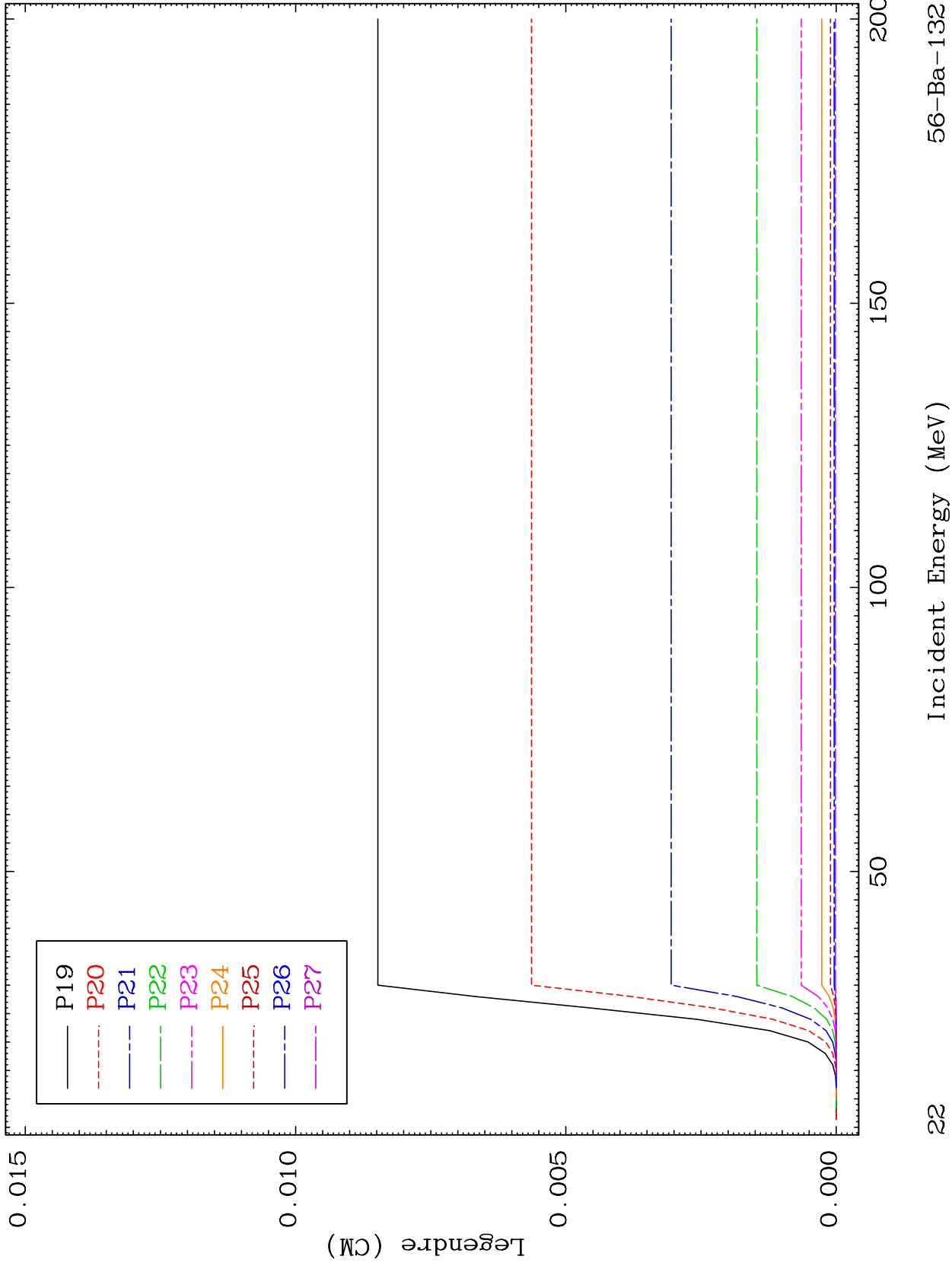
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

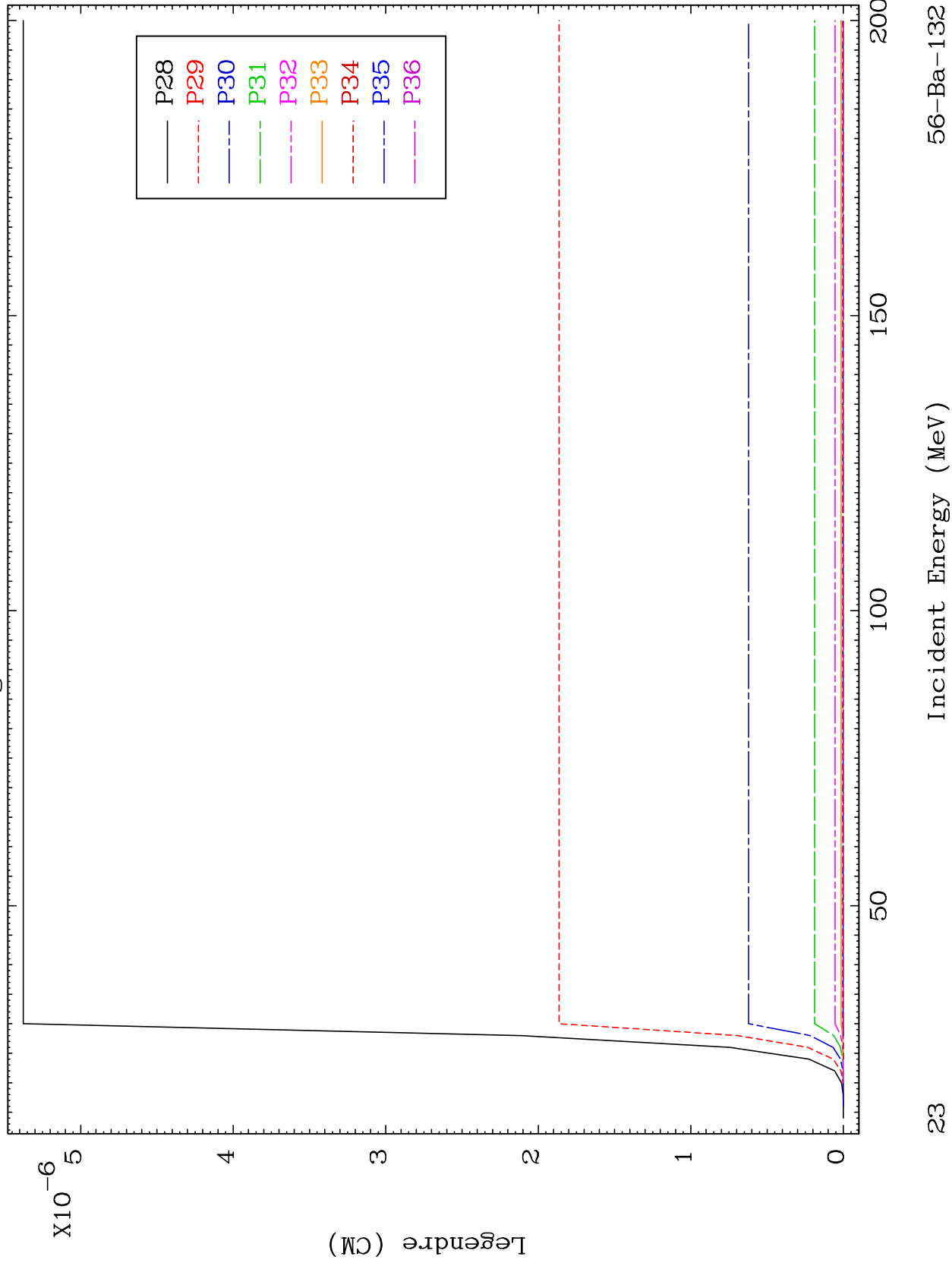
56-Ba-132

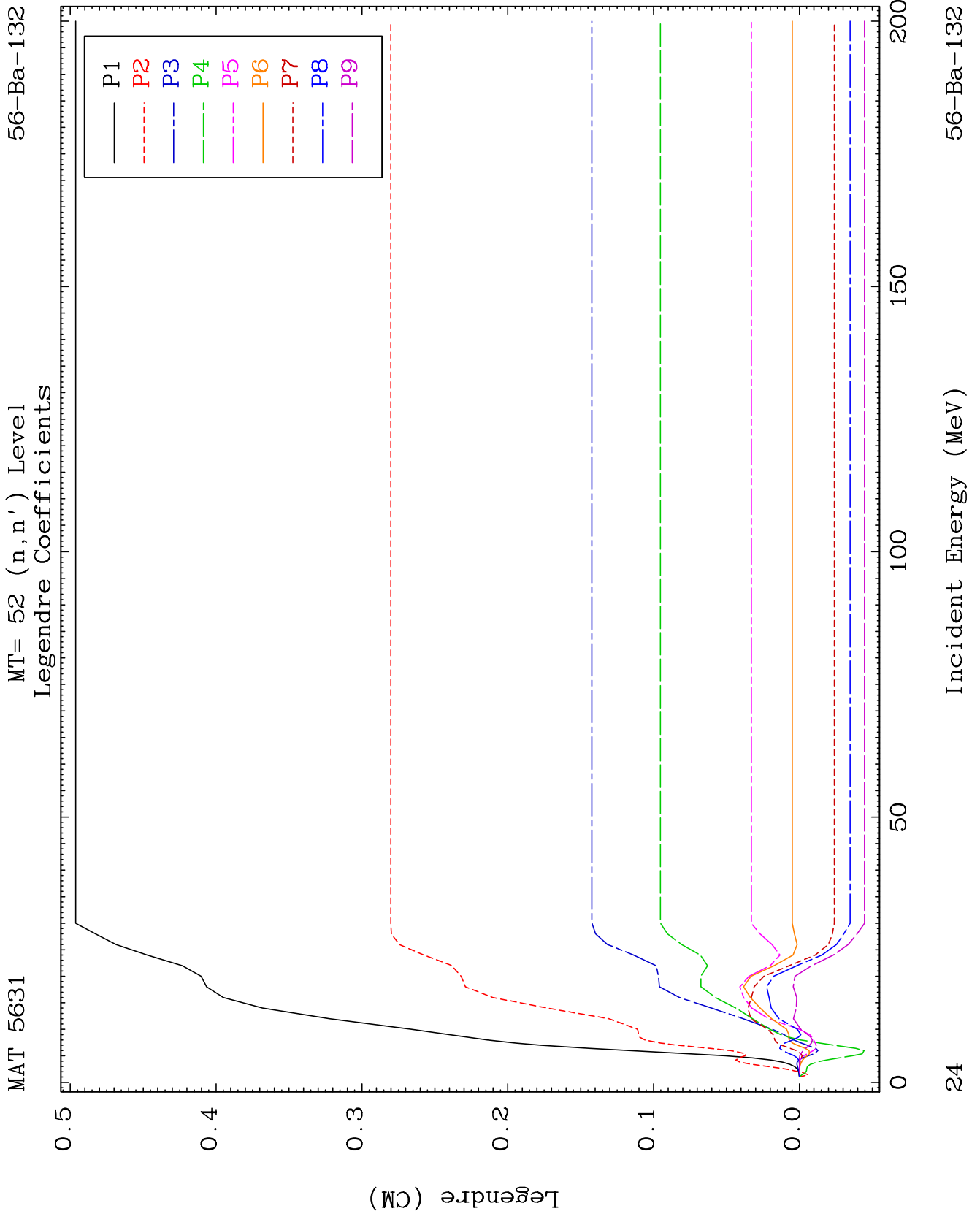


MAT 5631

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

56-Ba-132

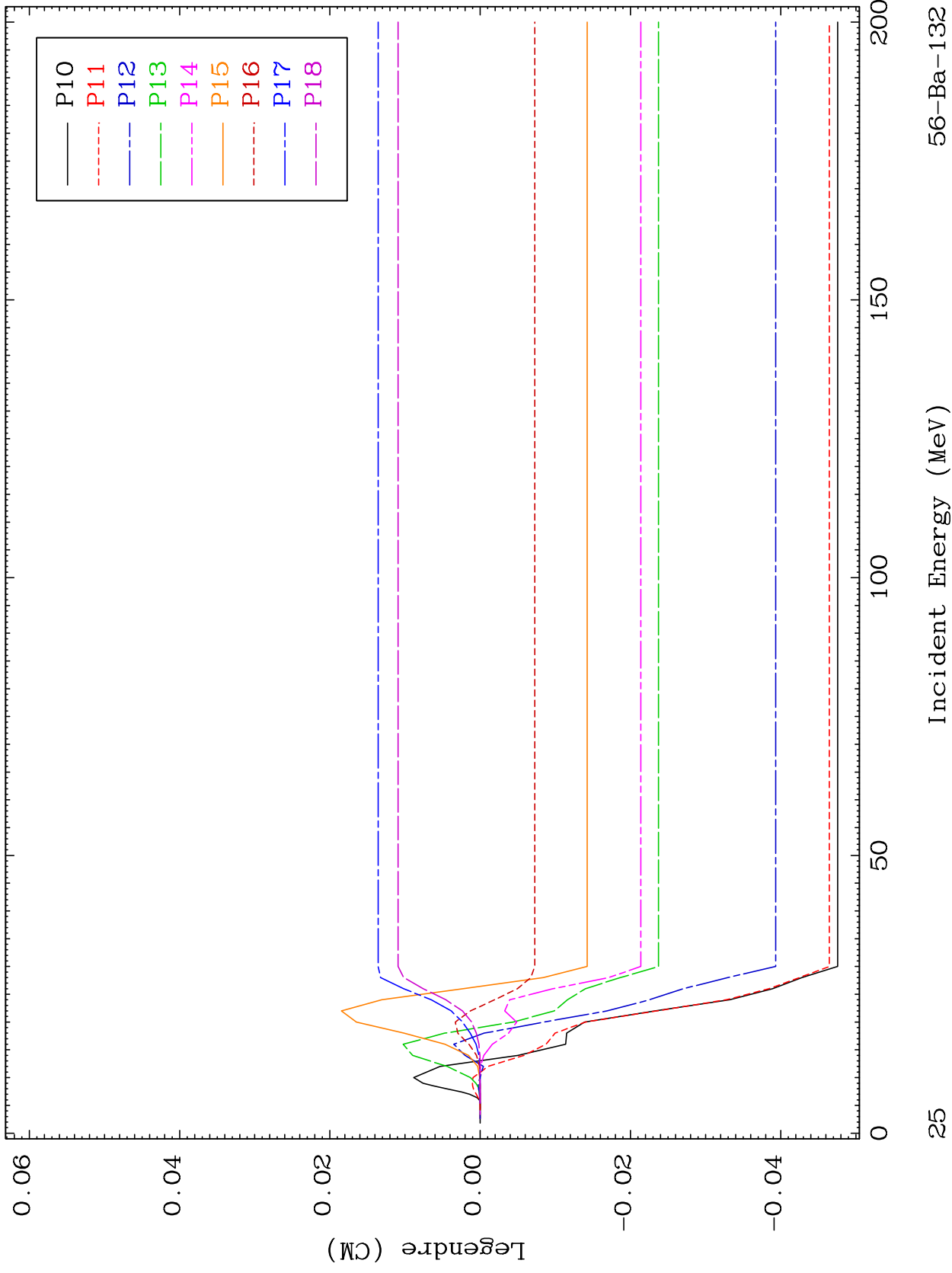




MAT 5631

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

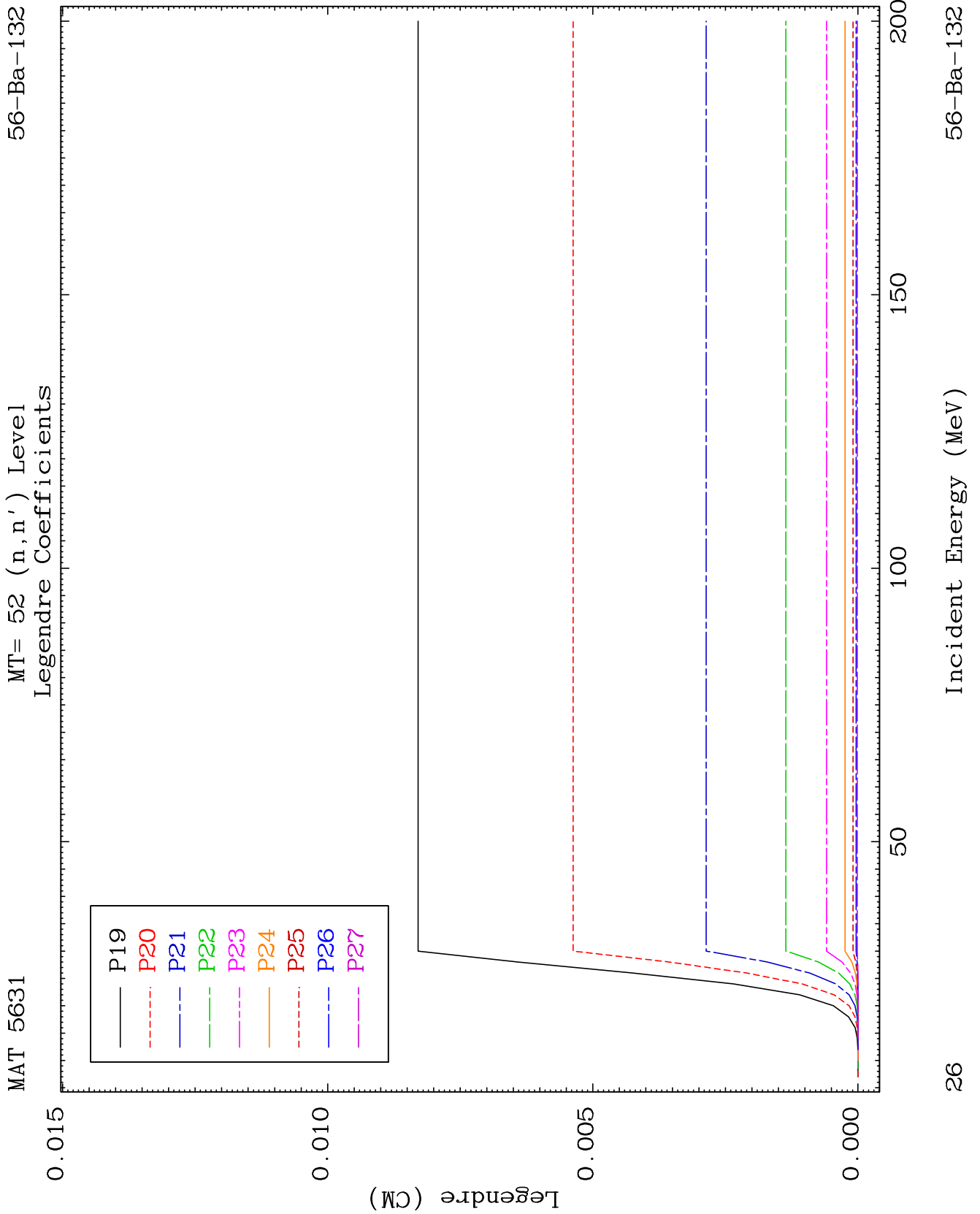
56-Ba-132



56-Ba-132

Incident Energy (MeV)

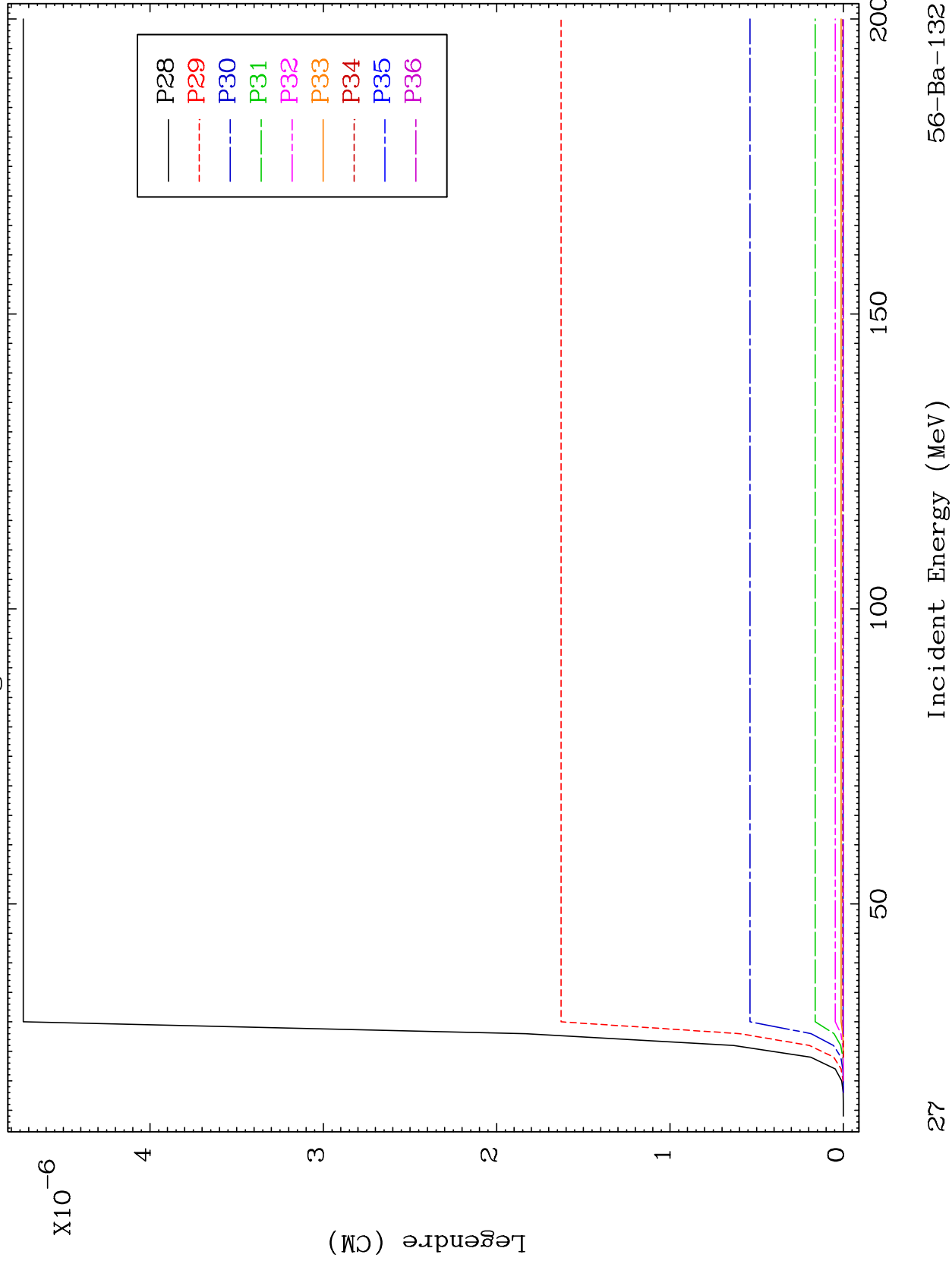
25



MAT 5631

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

56-Ba-132

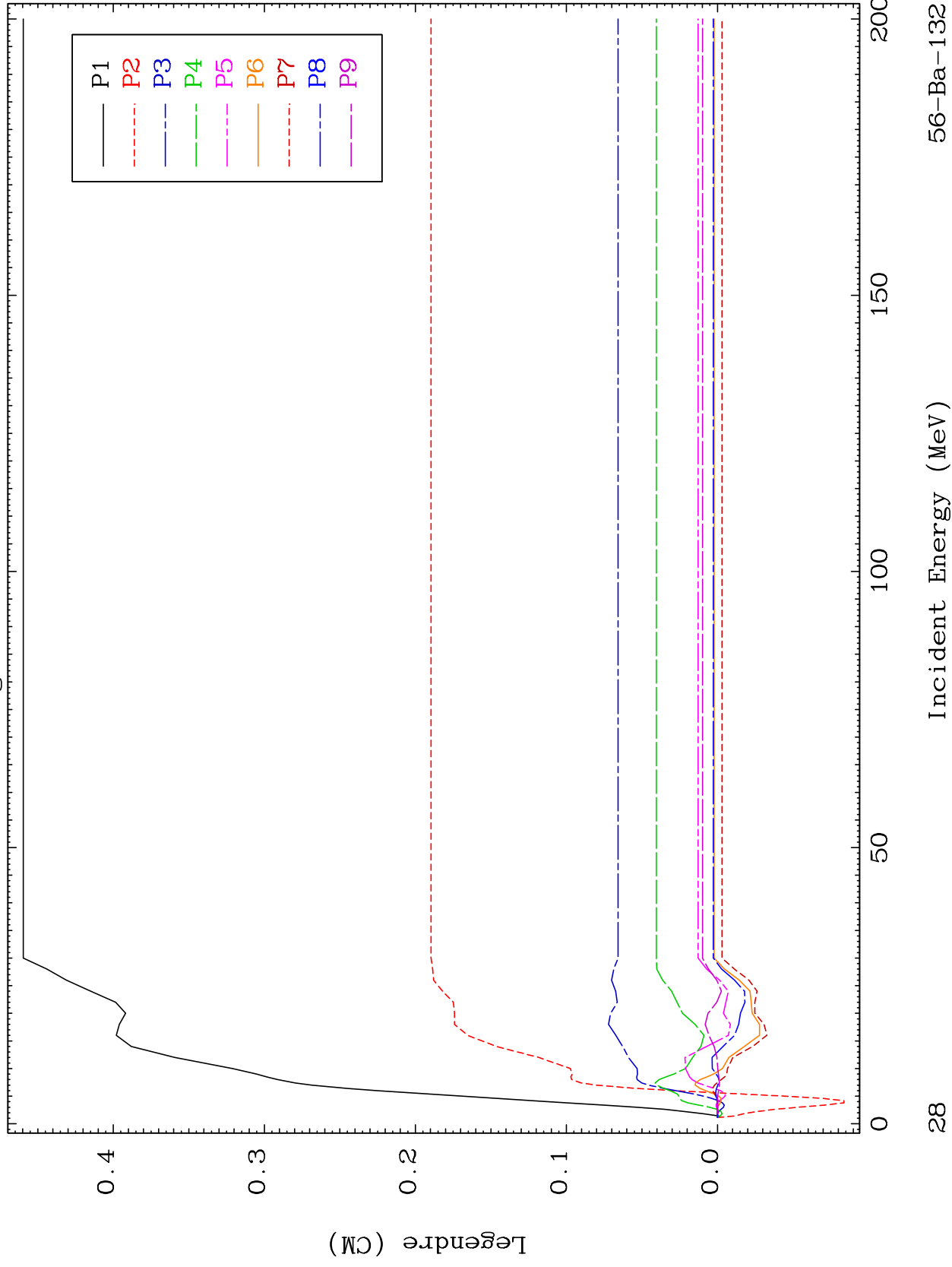


27

MAT 5631

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

56-Ba-132



56-Ba-132

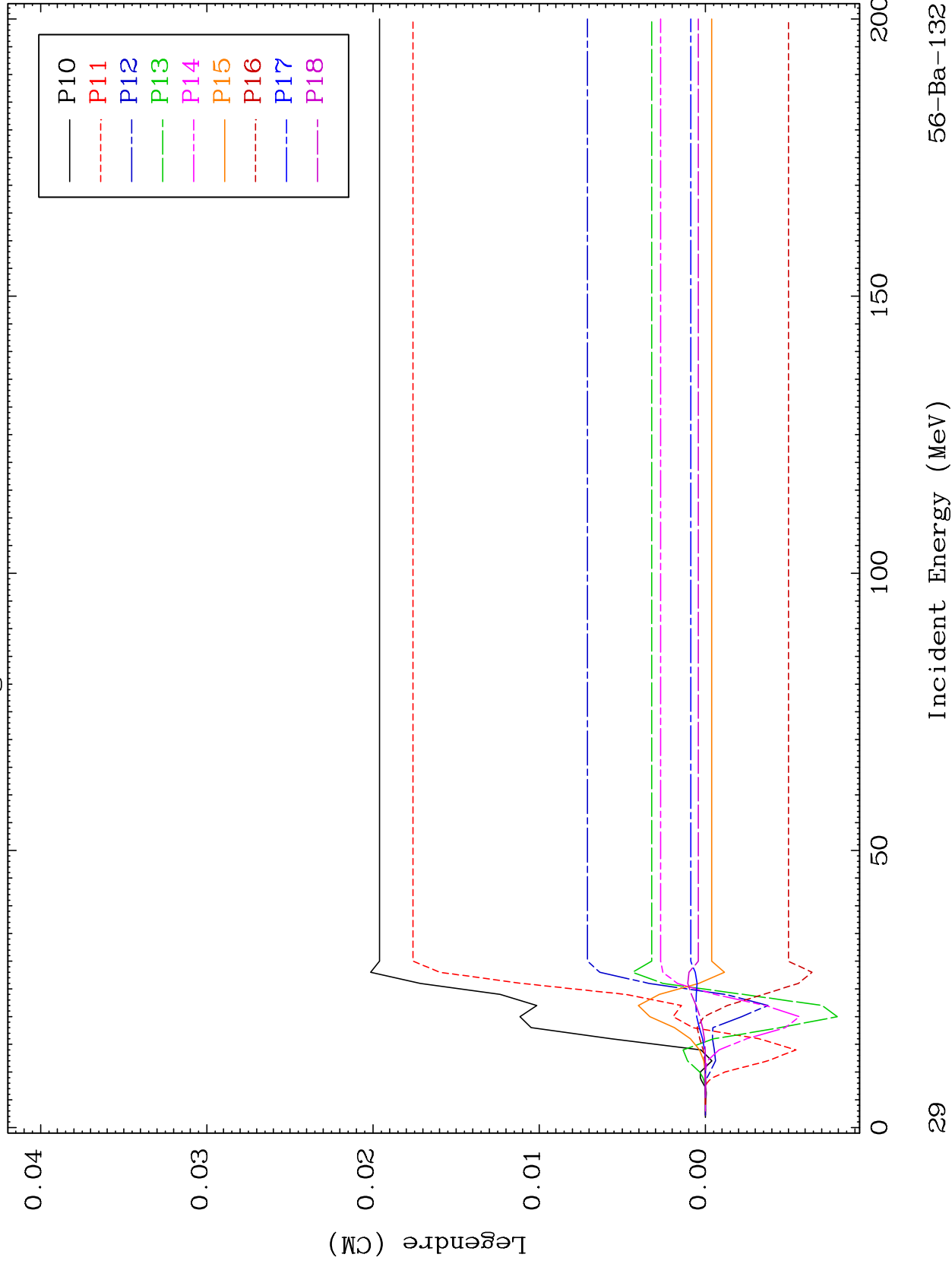
Incident Energy (MeV)

28

MAT 5631

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

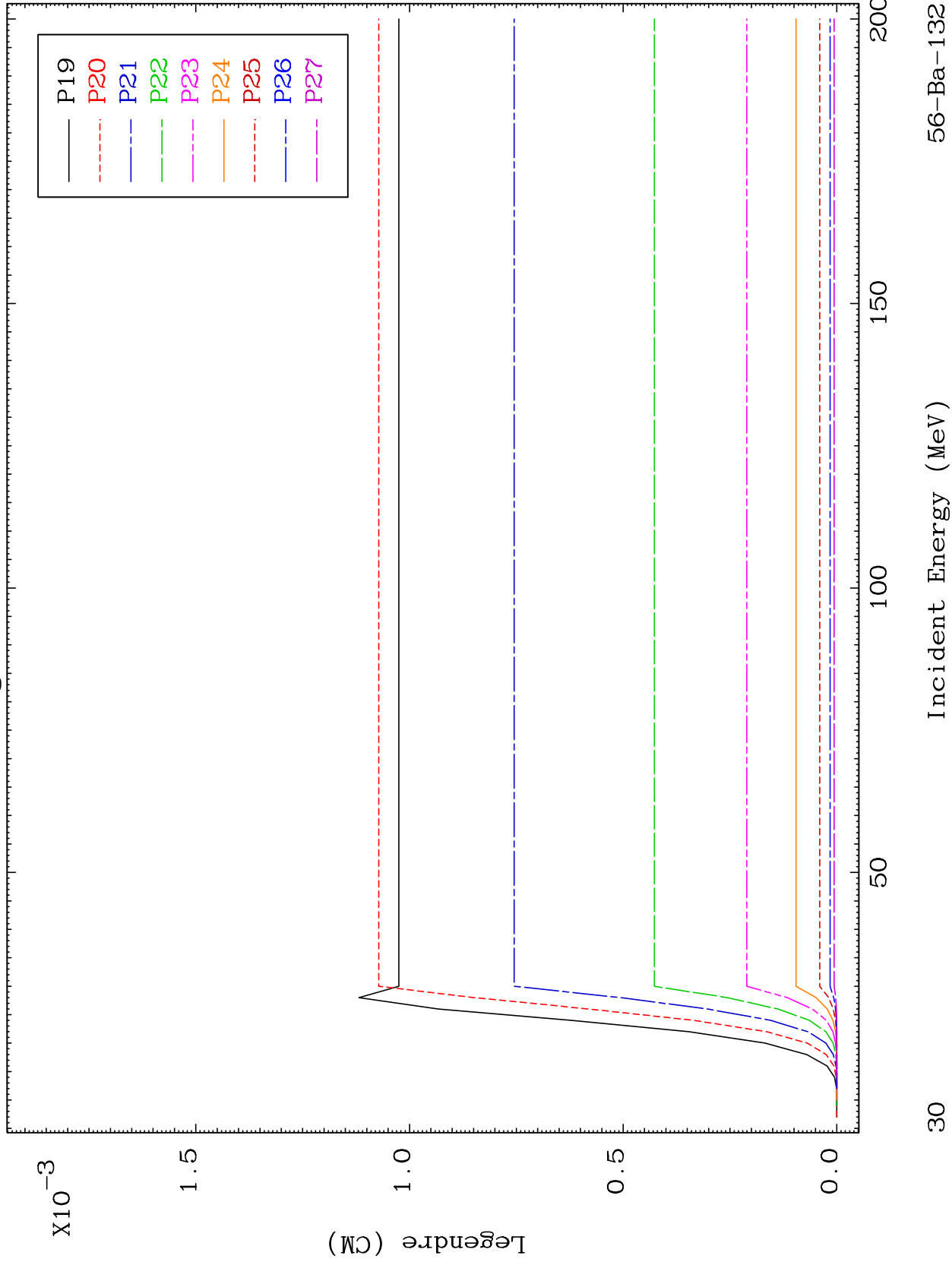
56-Ba-132



MAT 5631

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

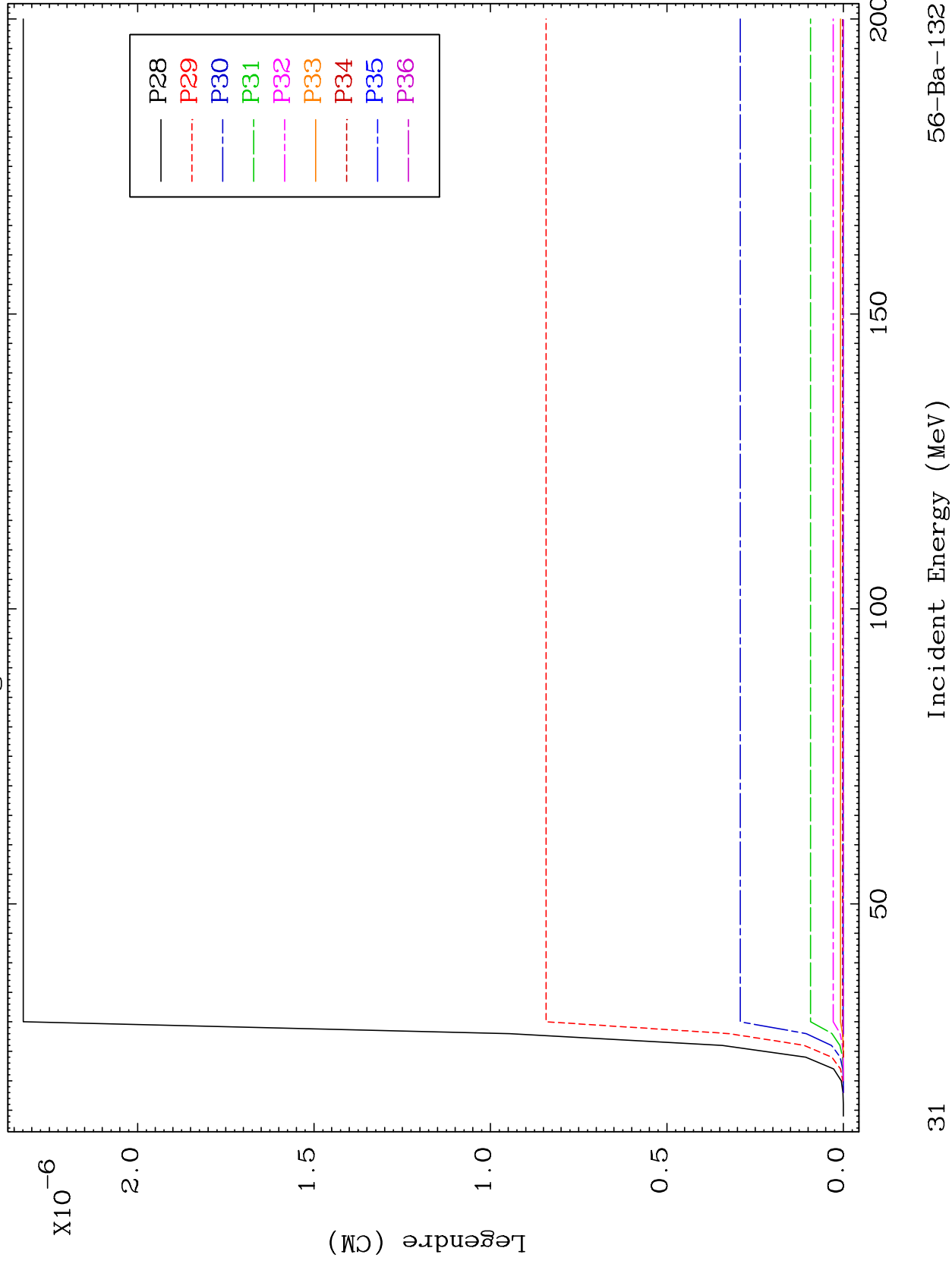
56-Ba-132



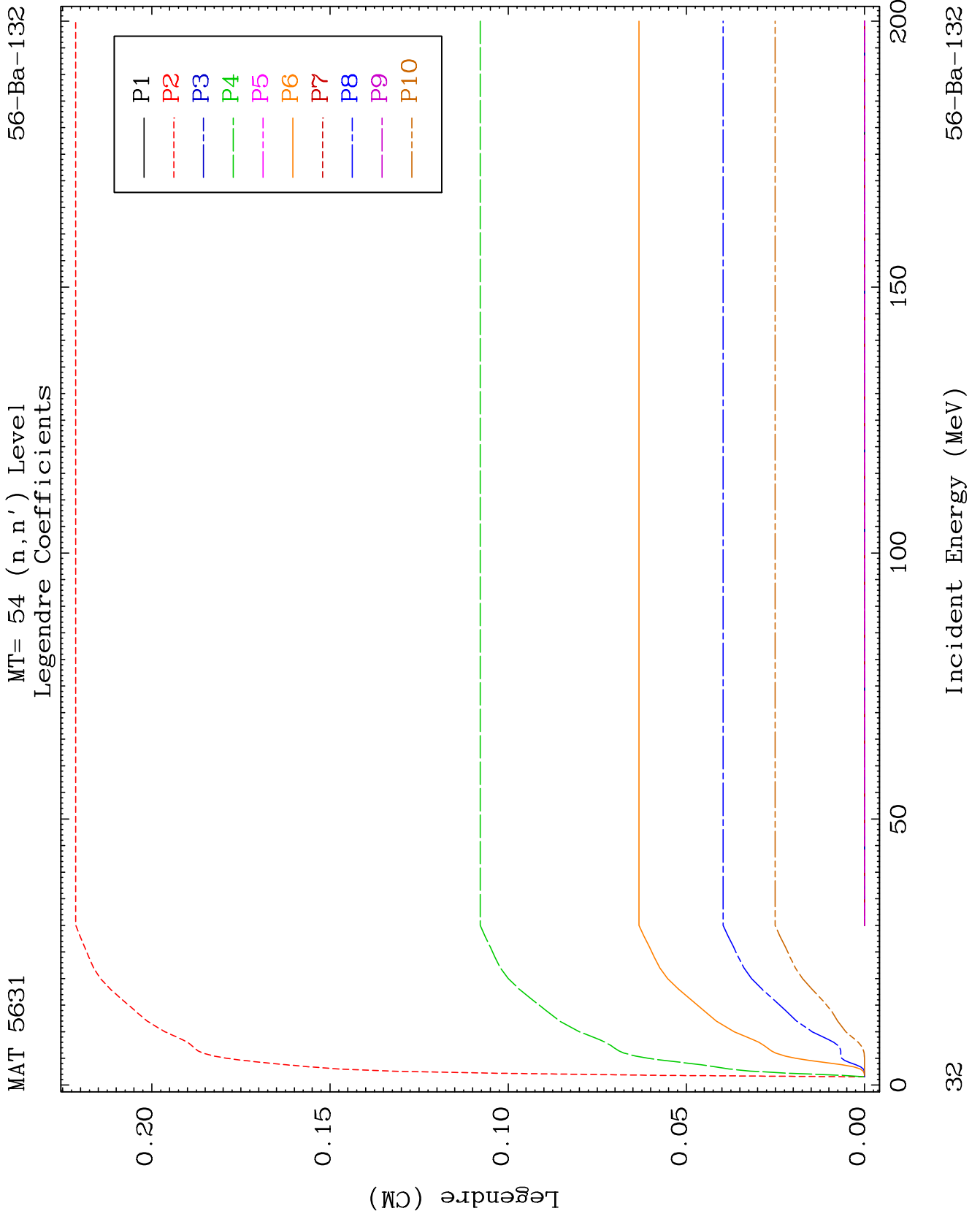
MAT 5631

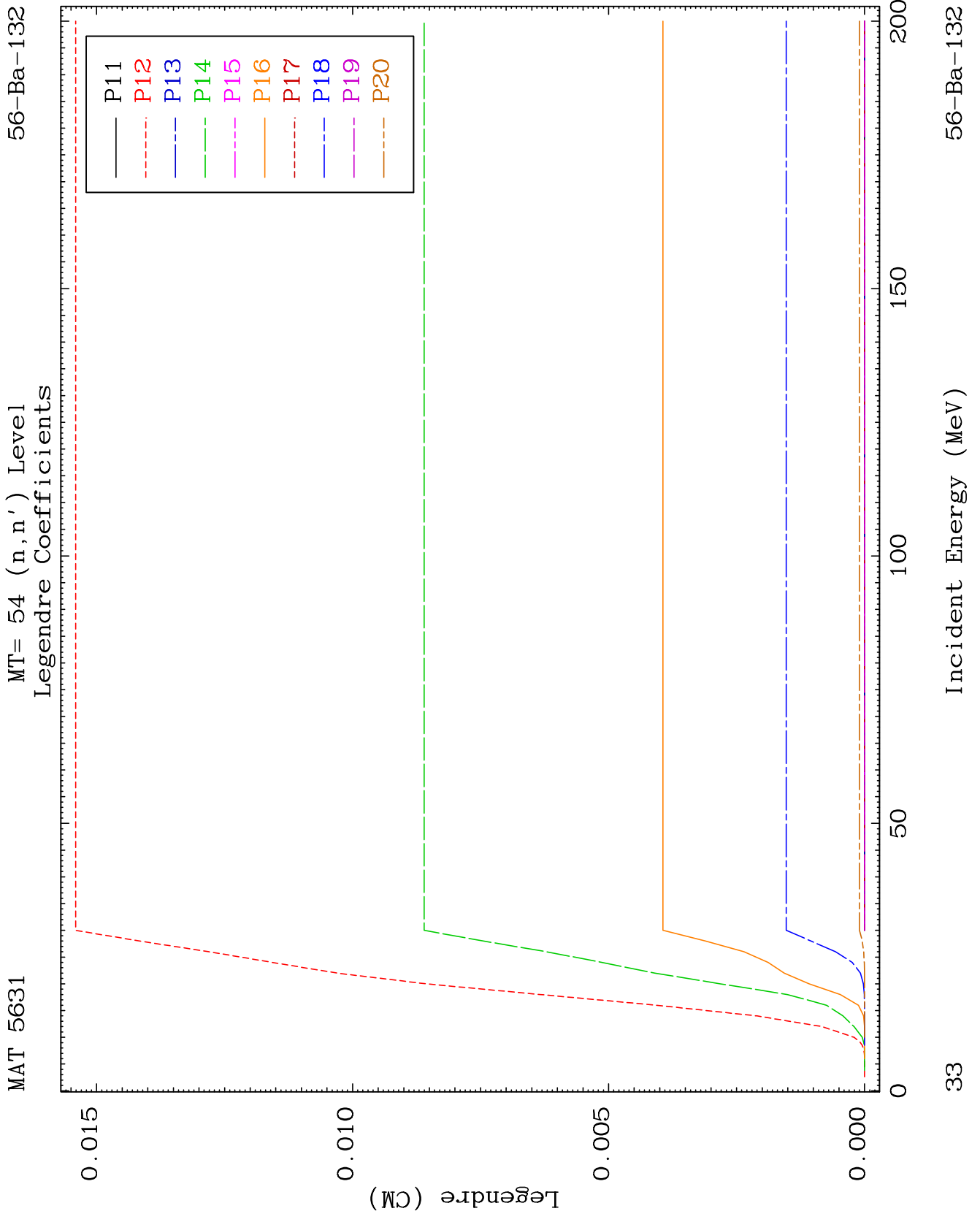
MT= 53 (n,n') Level
Legendre Coefficients

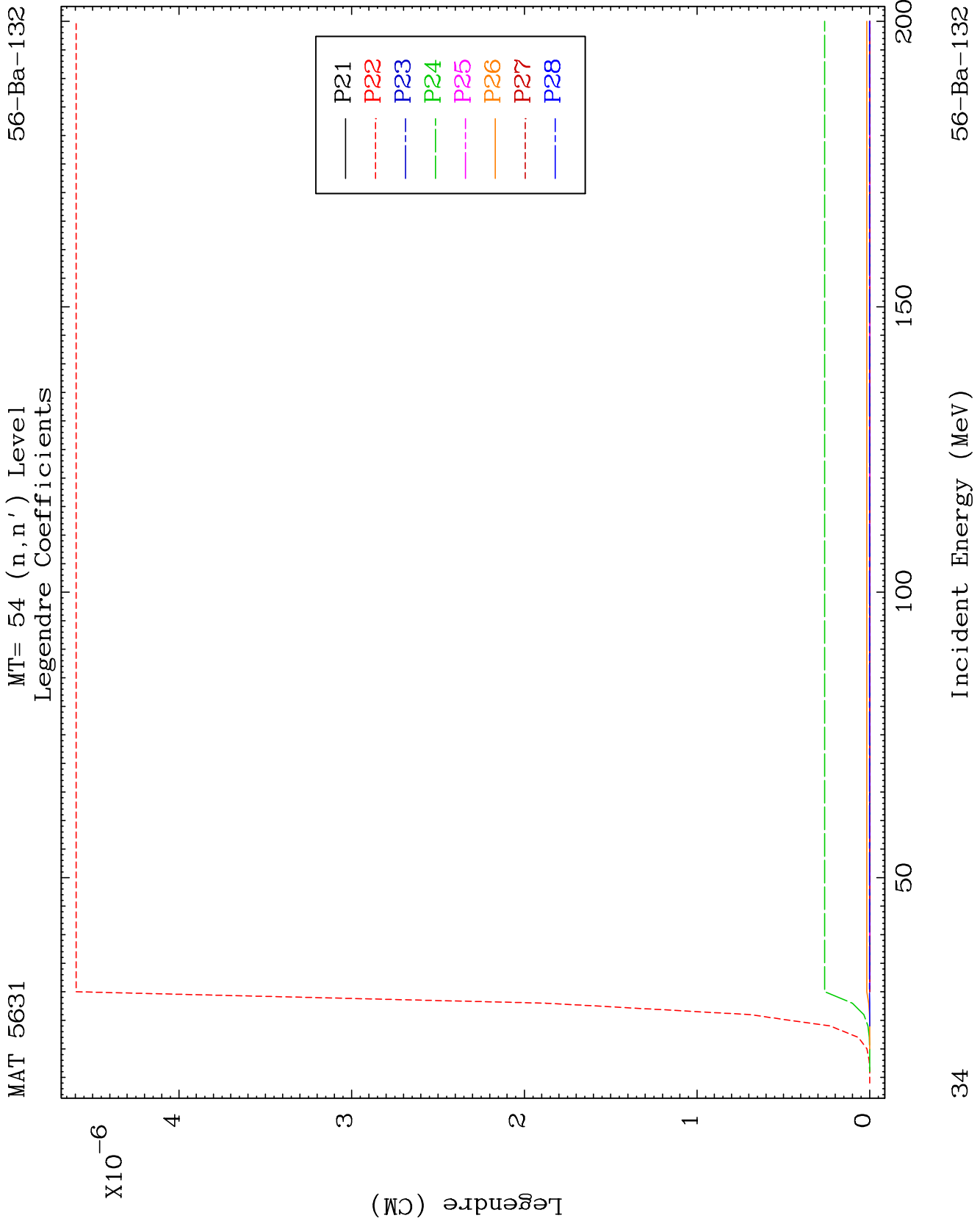
56-Ba-132

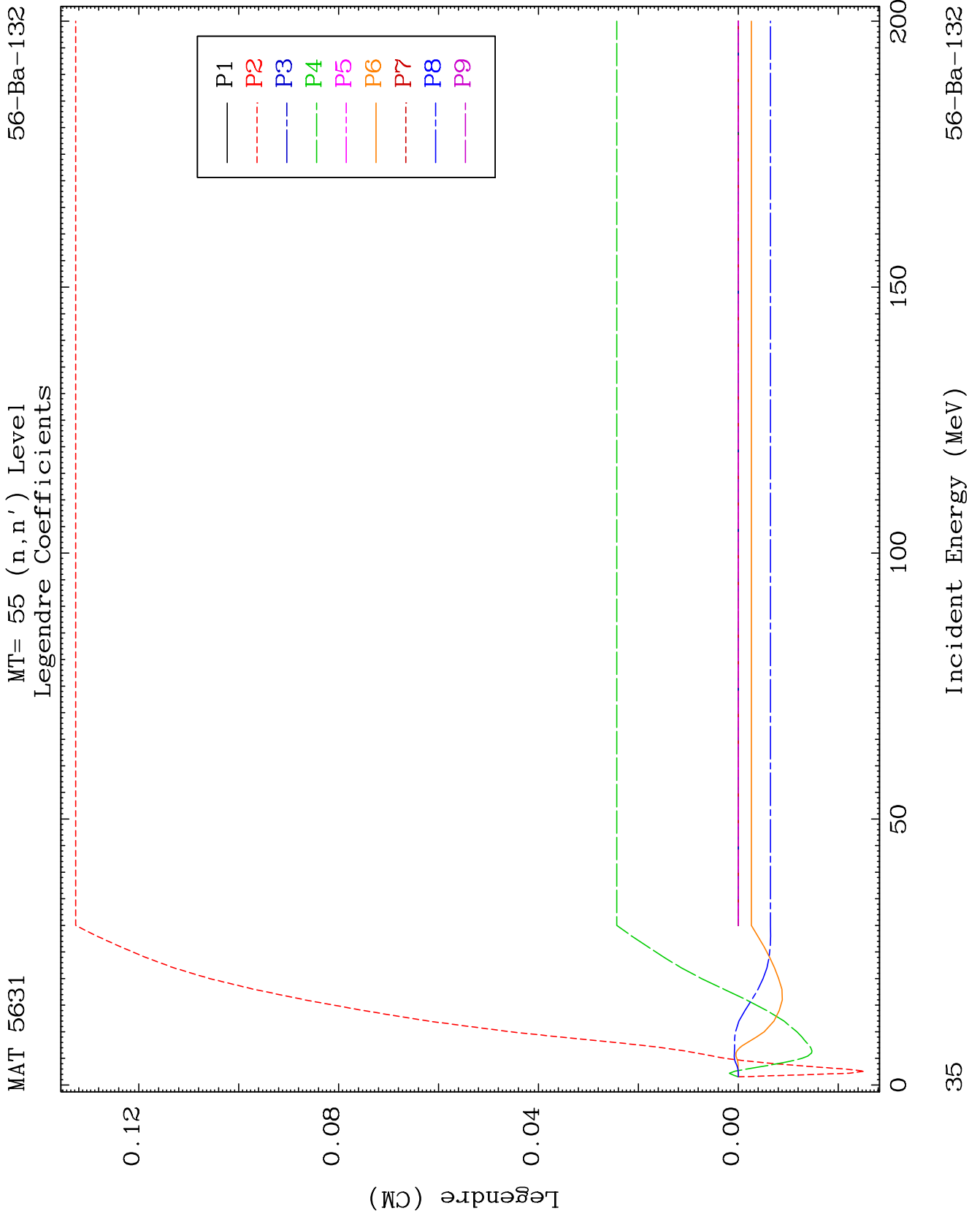


31





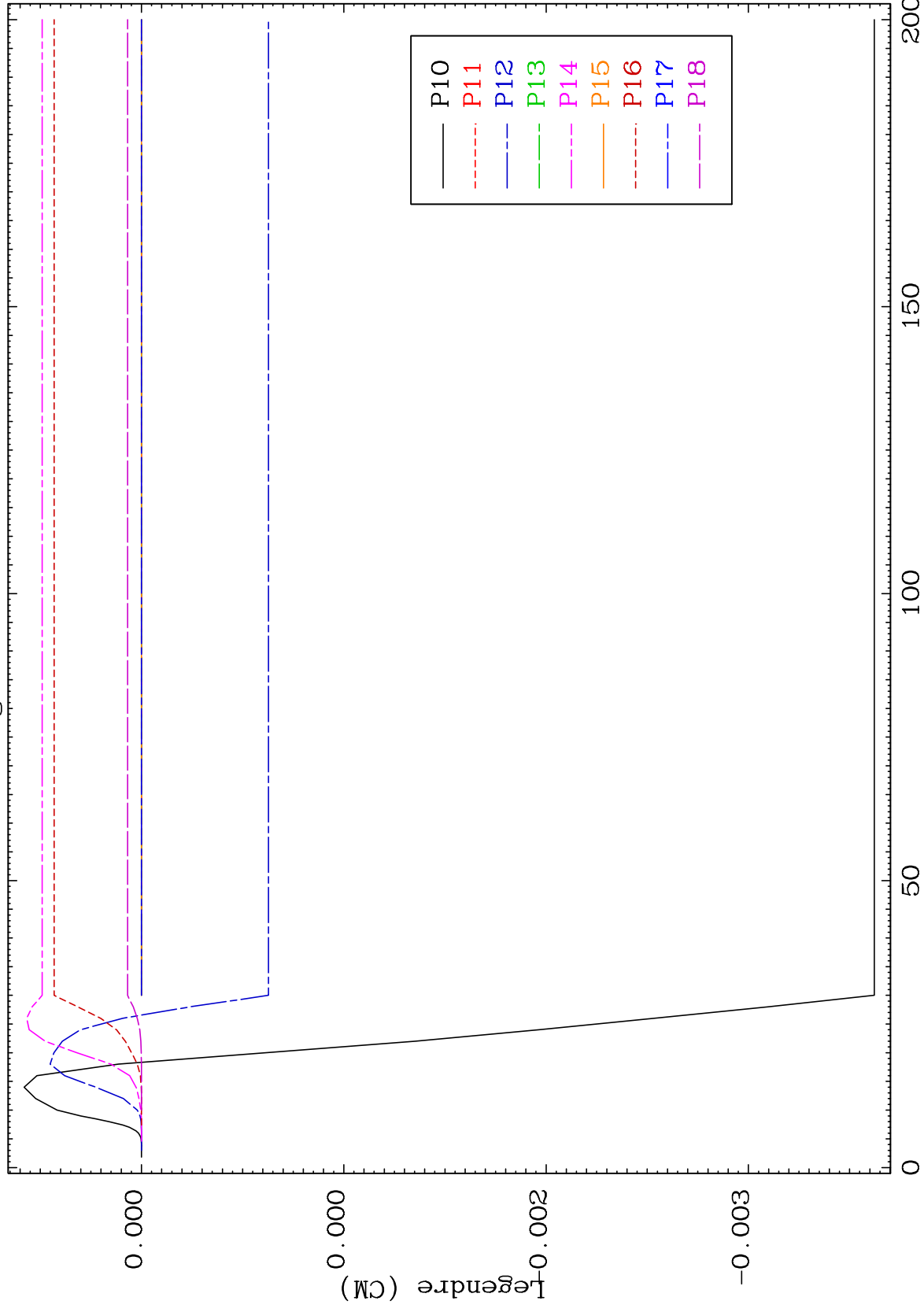




MAT 5631

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

56-Ba-132



36

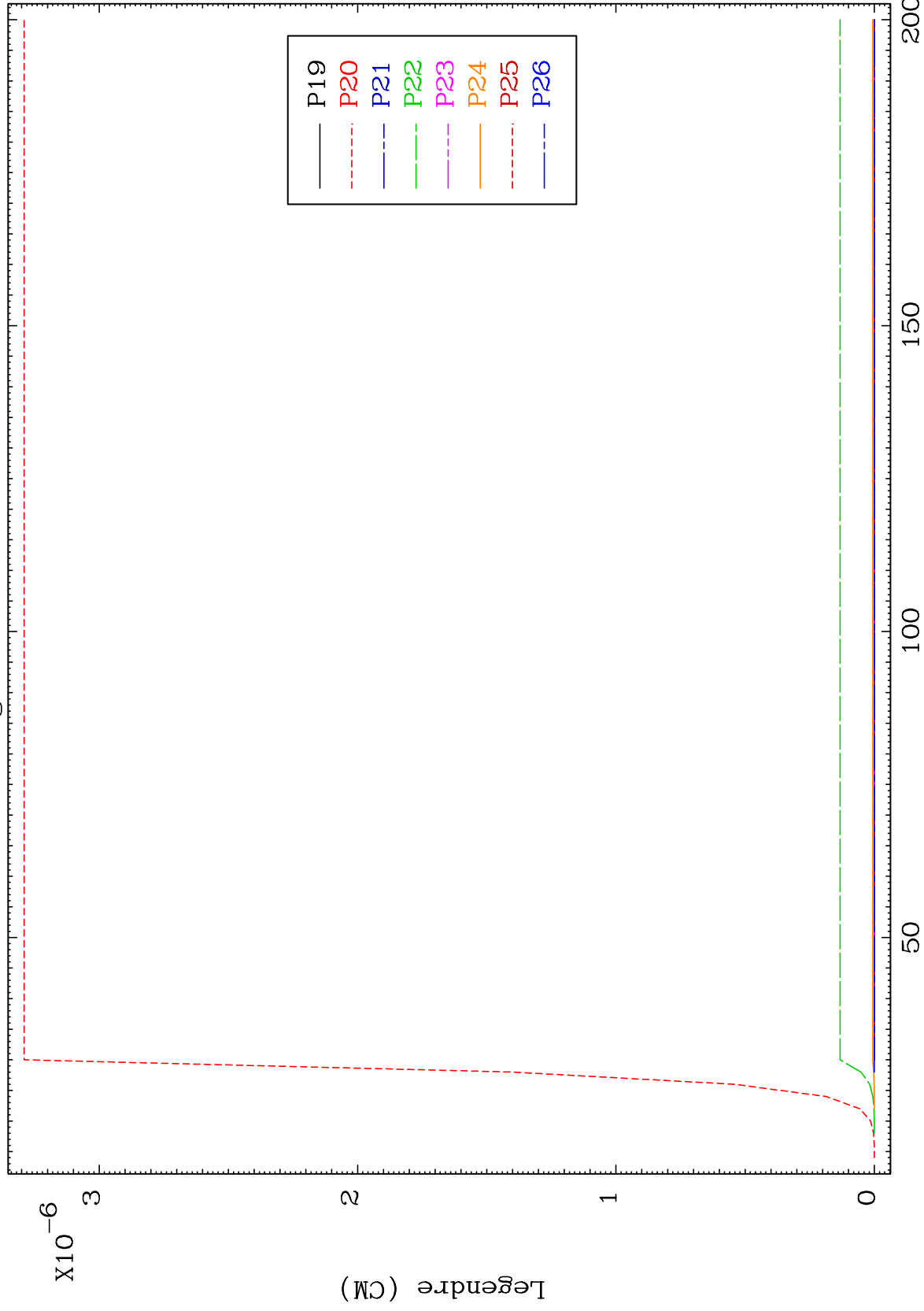
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

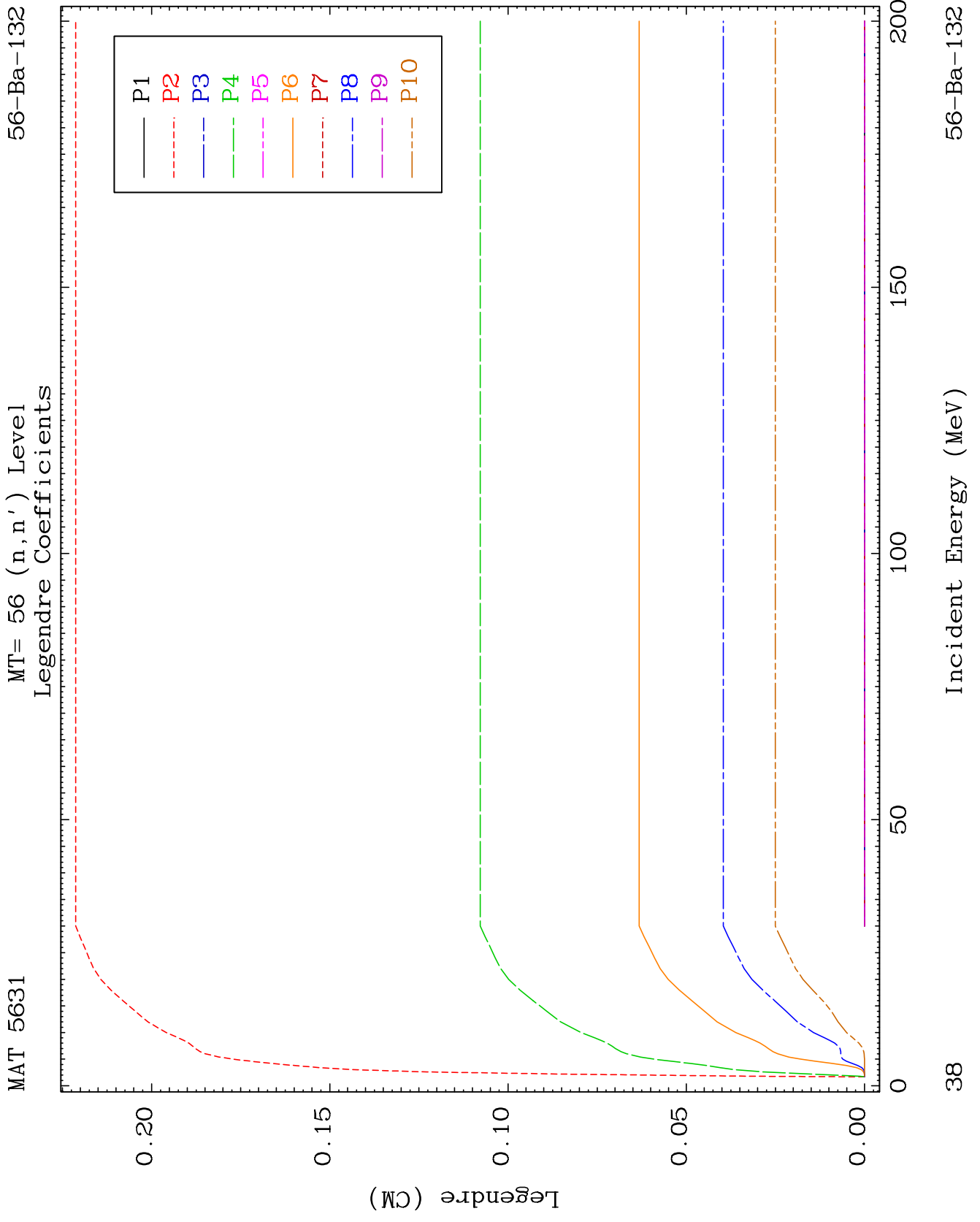
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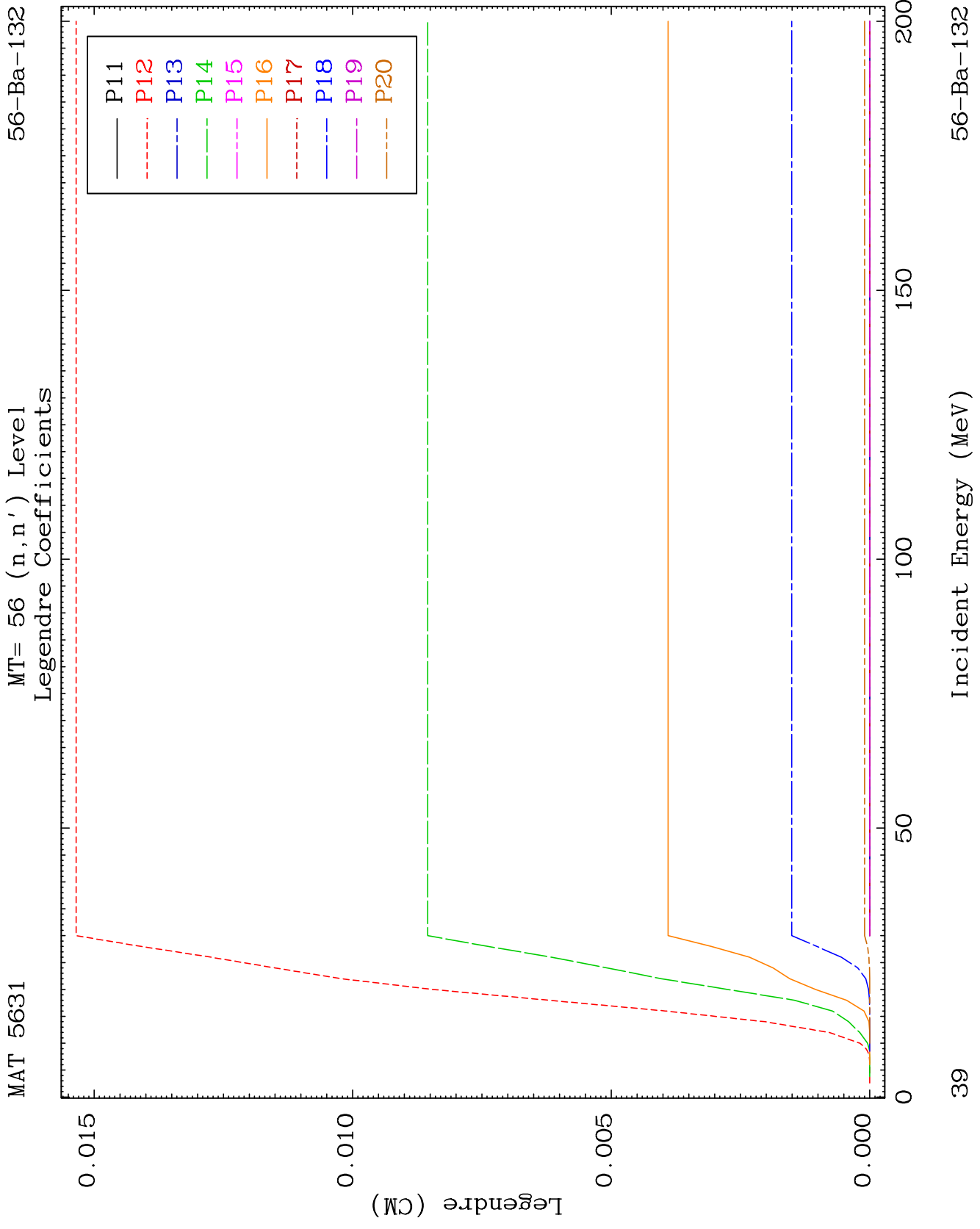


37

Incident Energy (MeV)

56-Ba-132

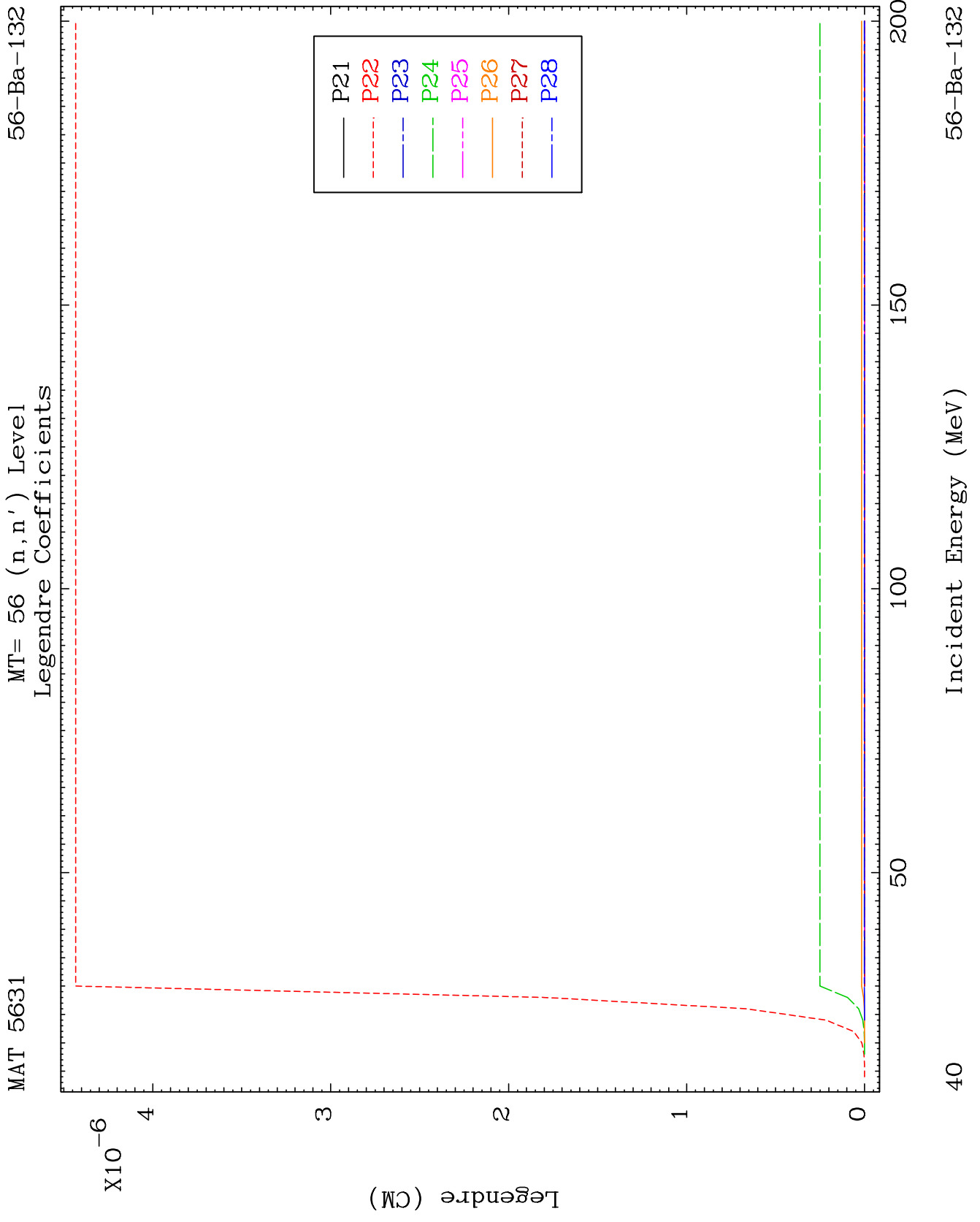


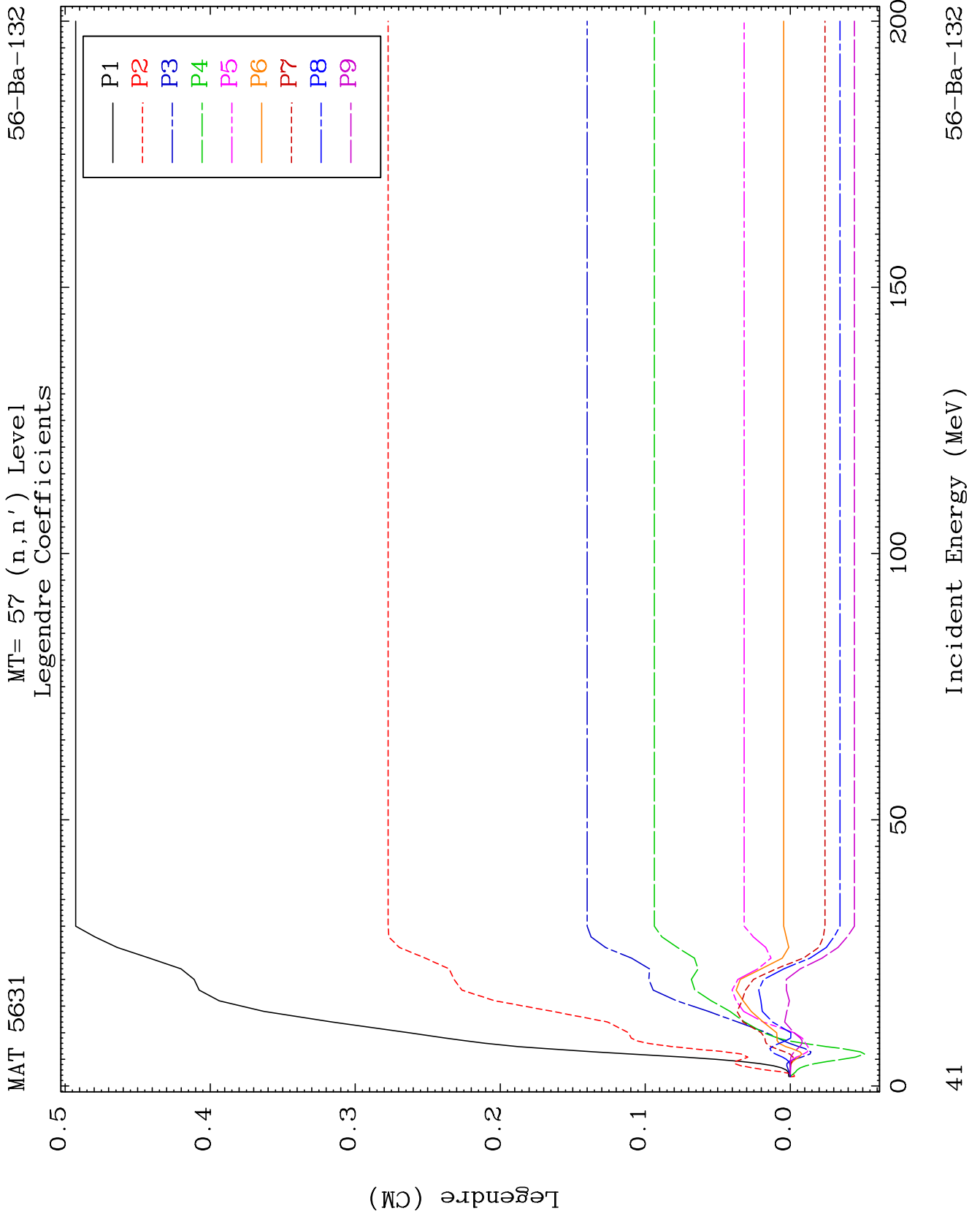


56-Ba-132

Incident Energy (MeV)

39

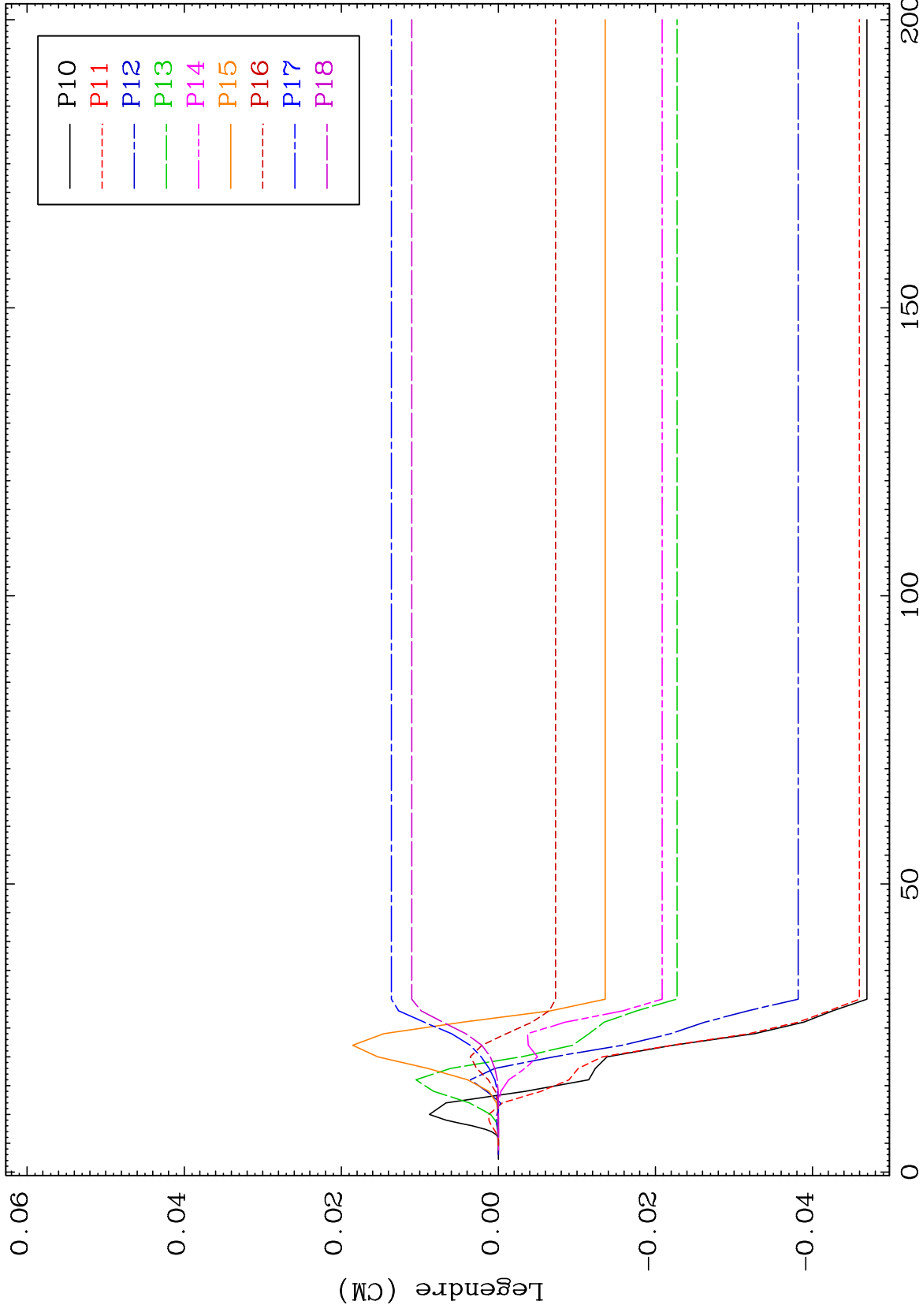




MAT 5631

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

56-Ba-132



42

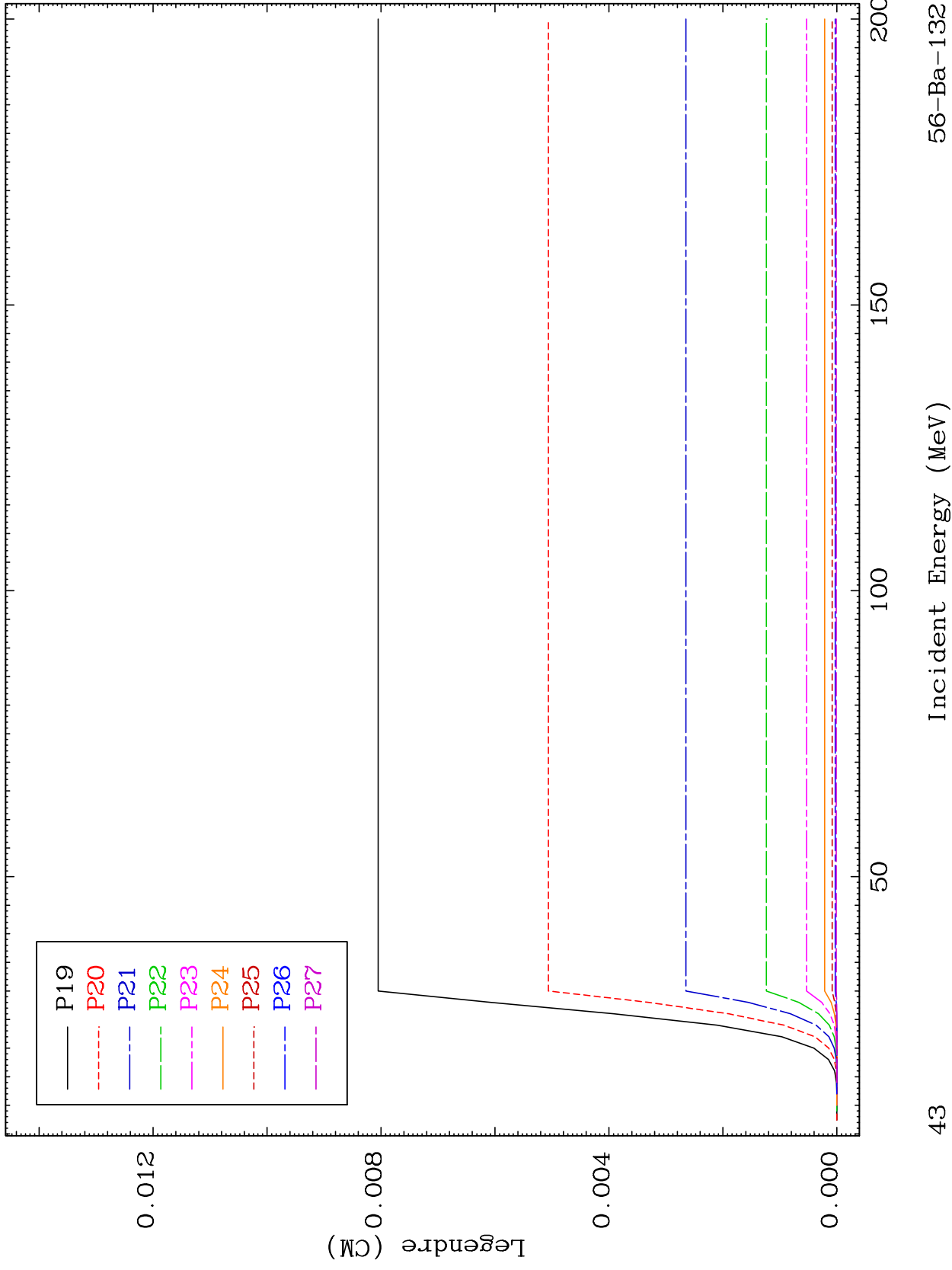
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

56-Ba-132



43

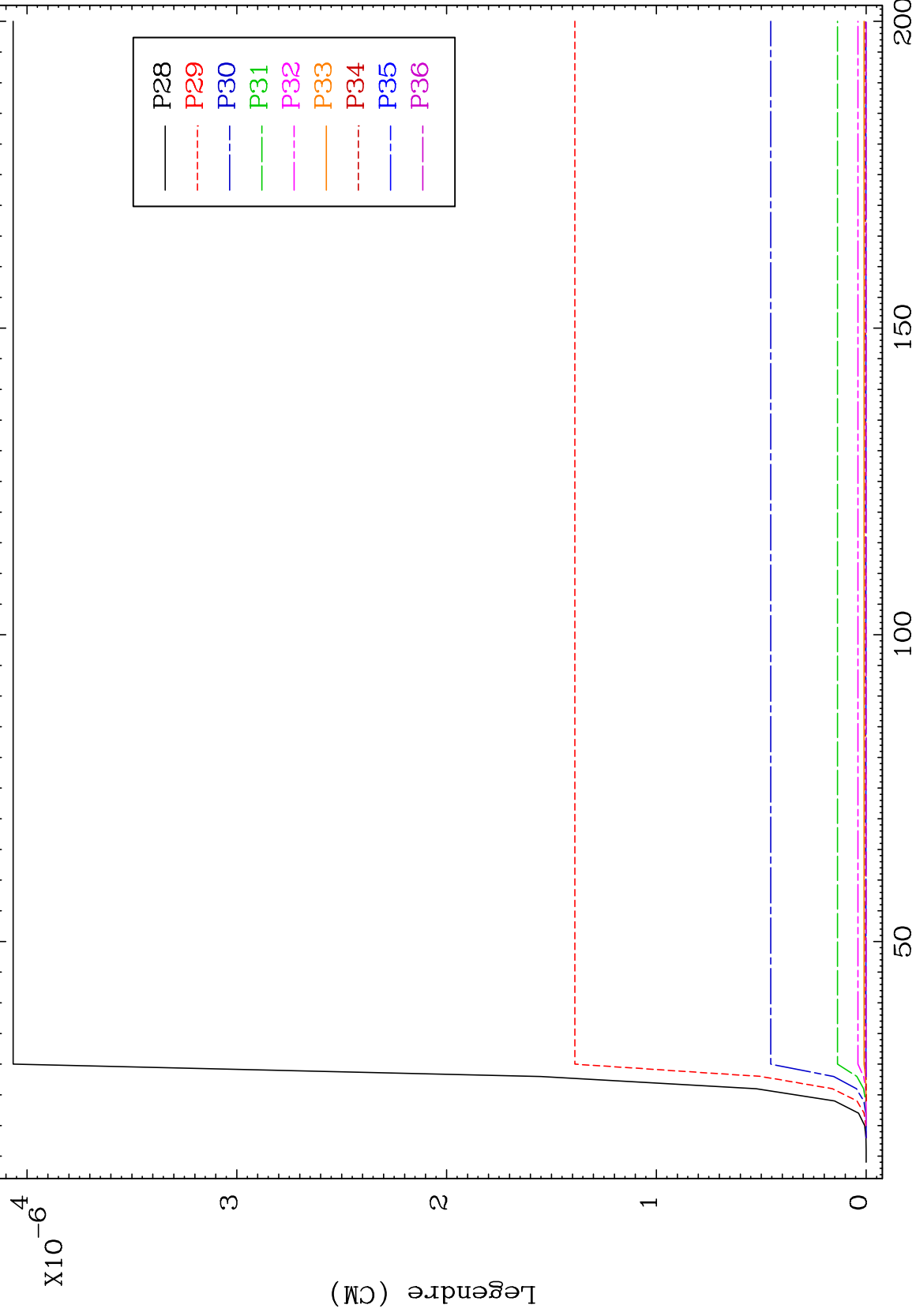
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

56-Ba-132



44

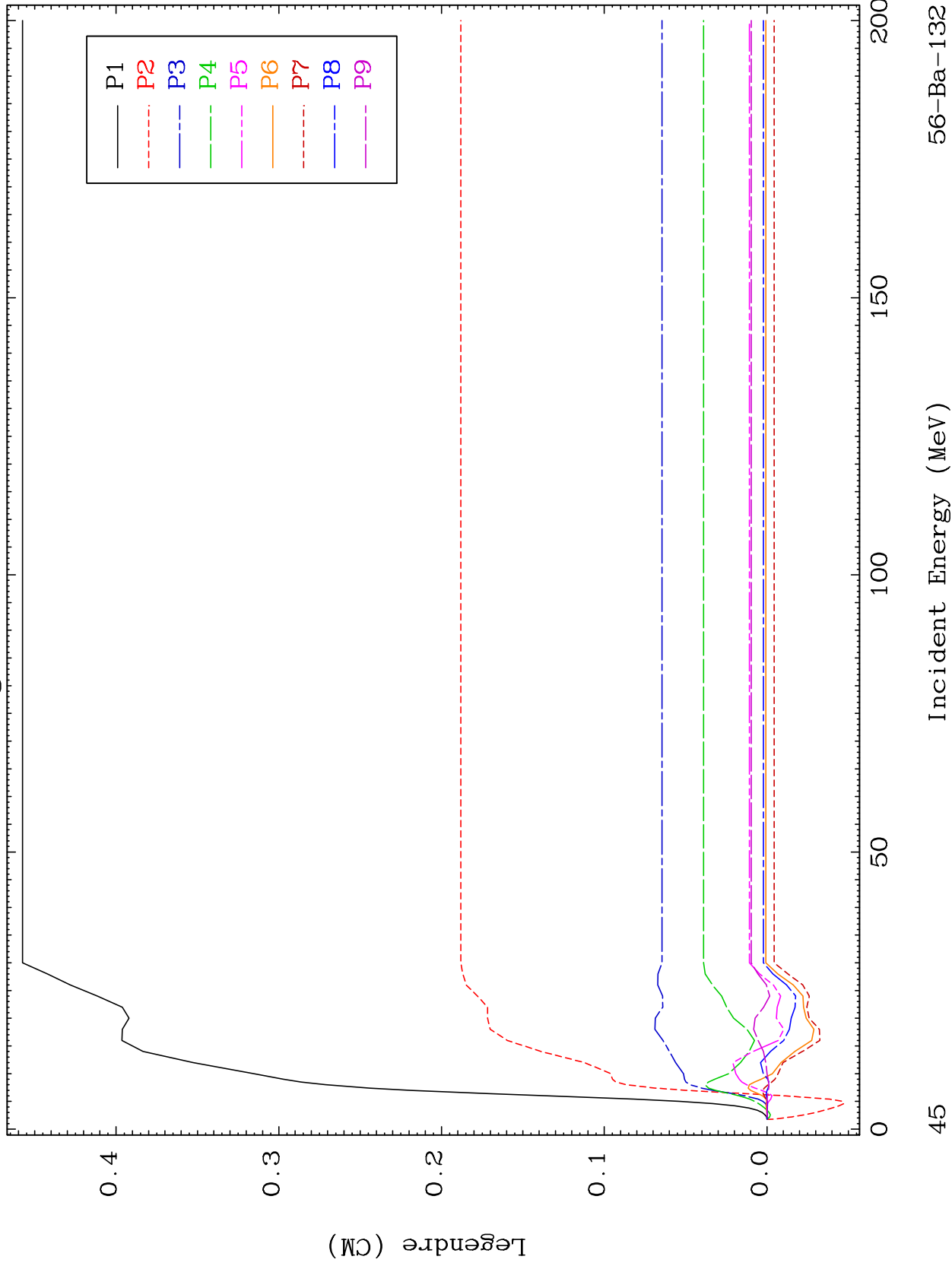
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

56-Ba-132



56-Ba-132

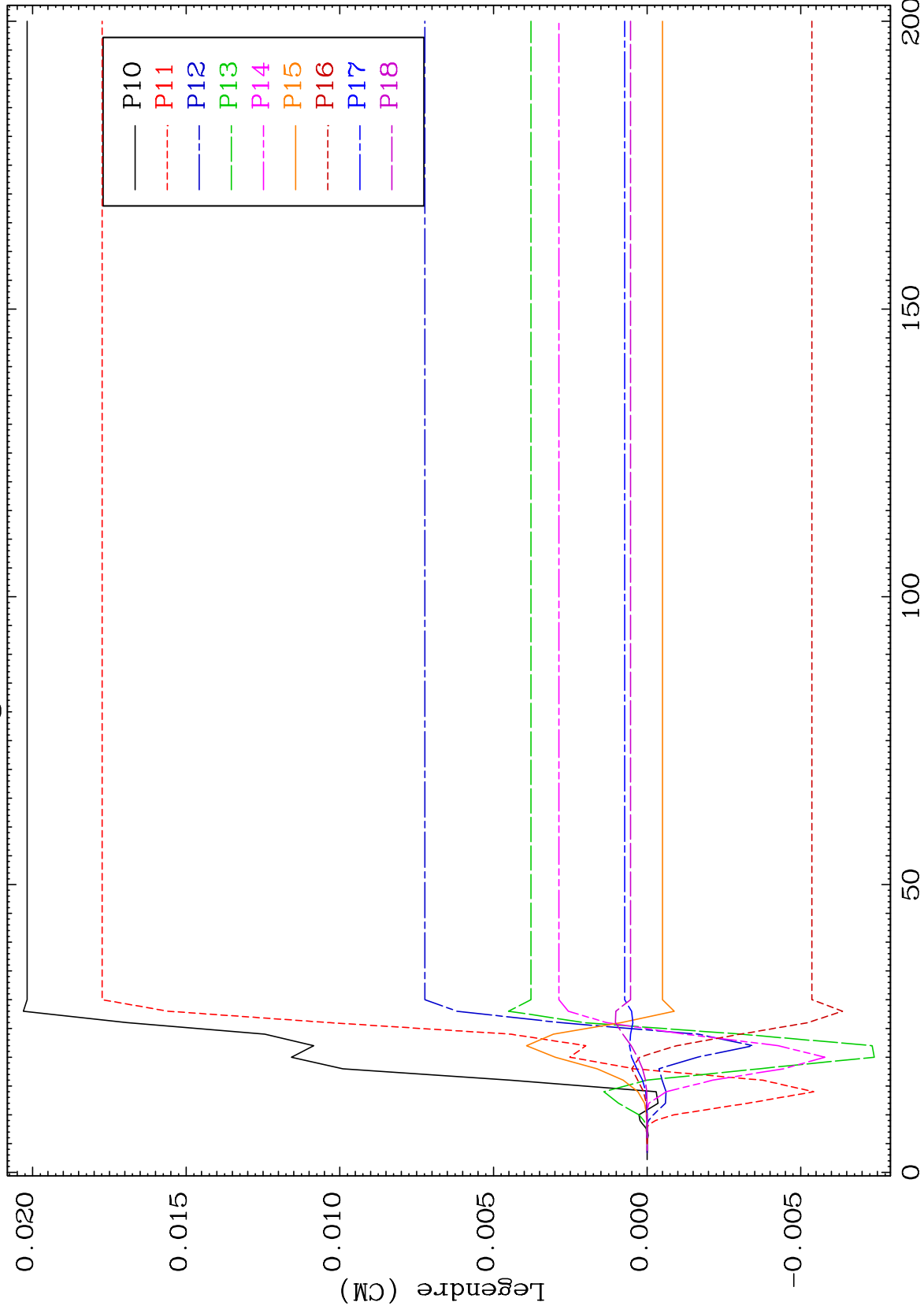
Incident Energy (MeV)

45

MAT 5631

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

56-Ba-132



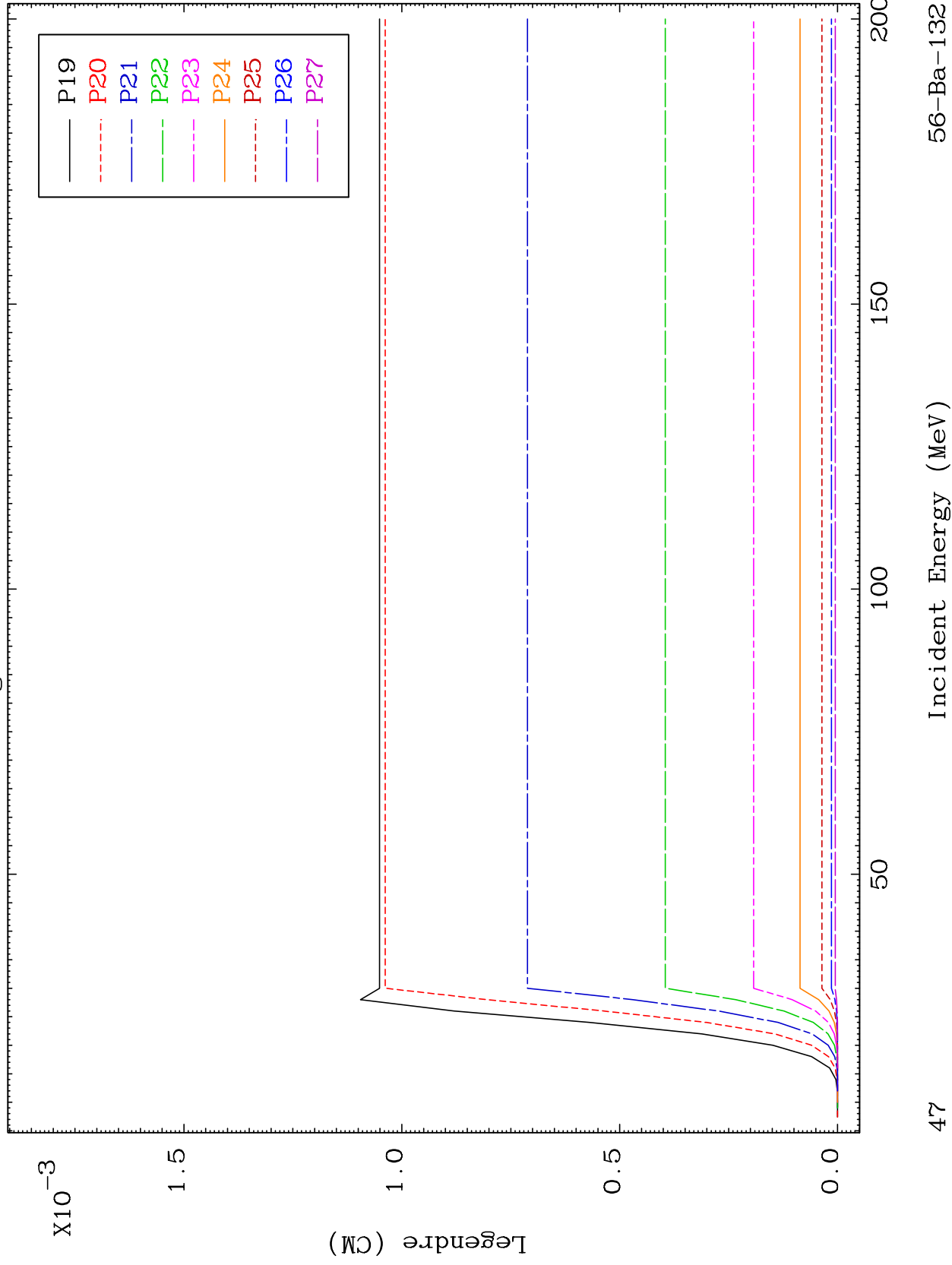
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56-Ba-132

MAT 5631

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

56-Ba-132



47

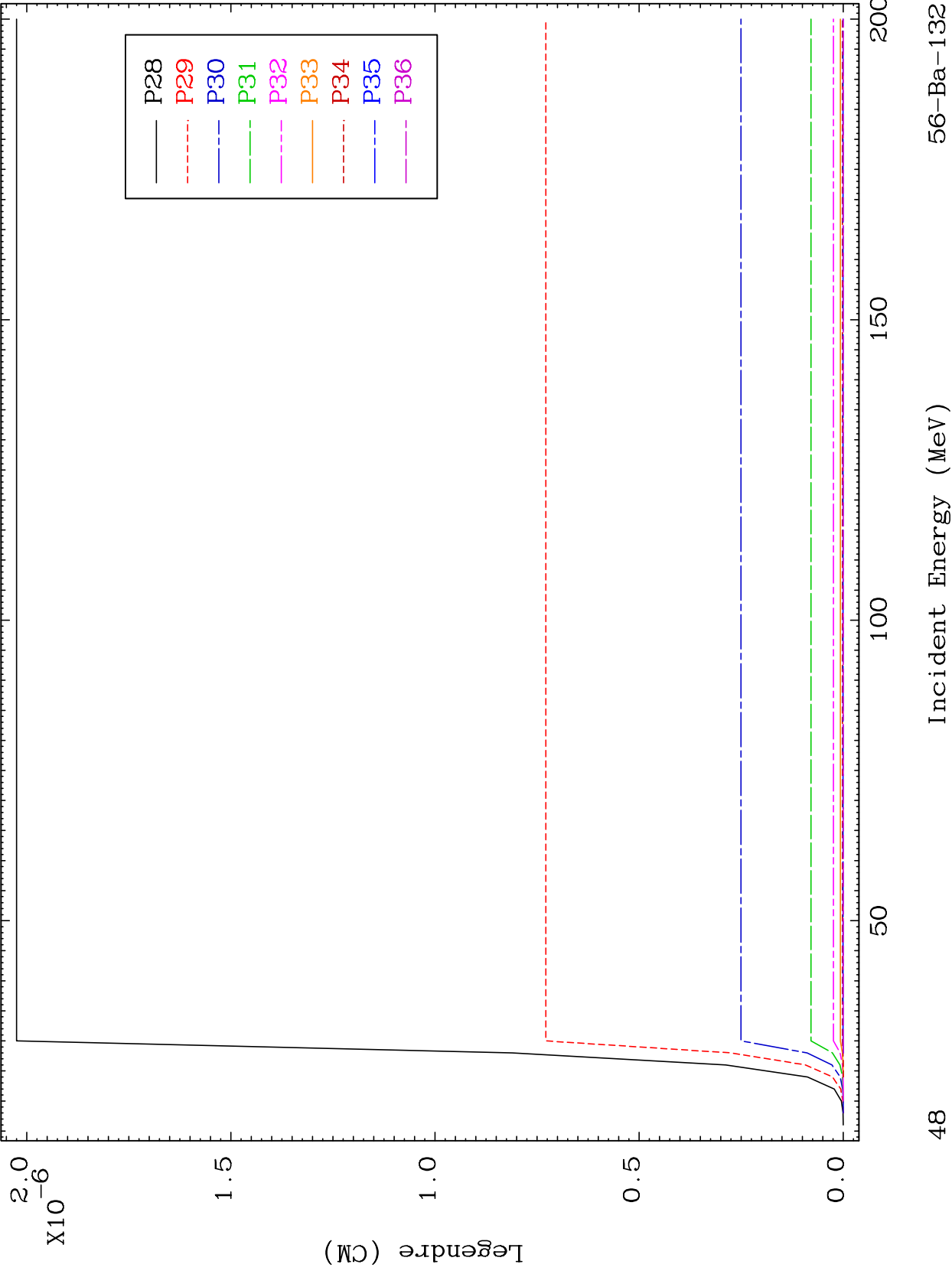
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

56-Ba-132



48

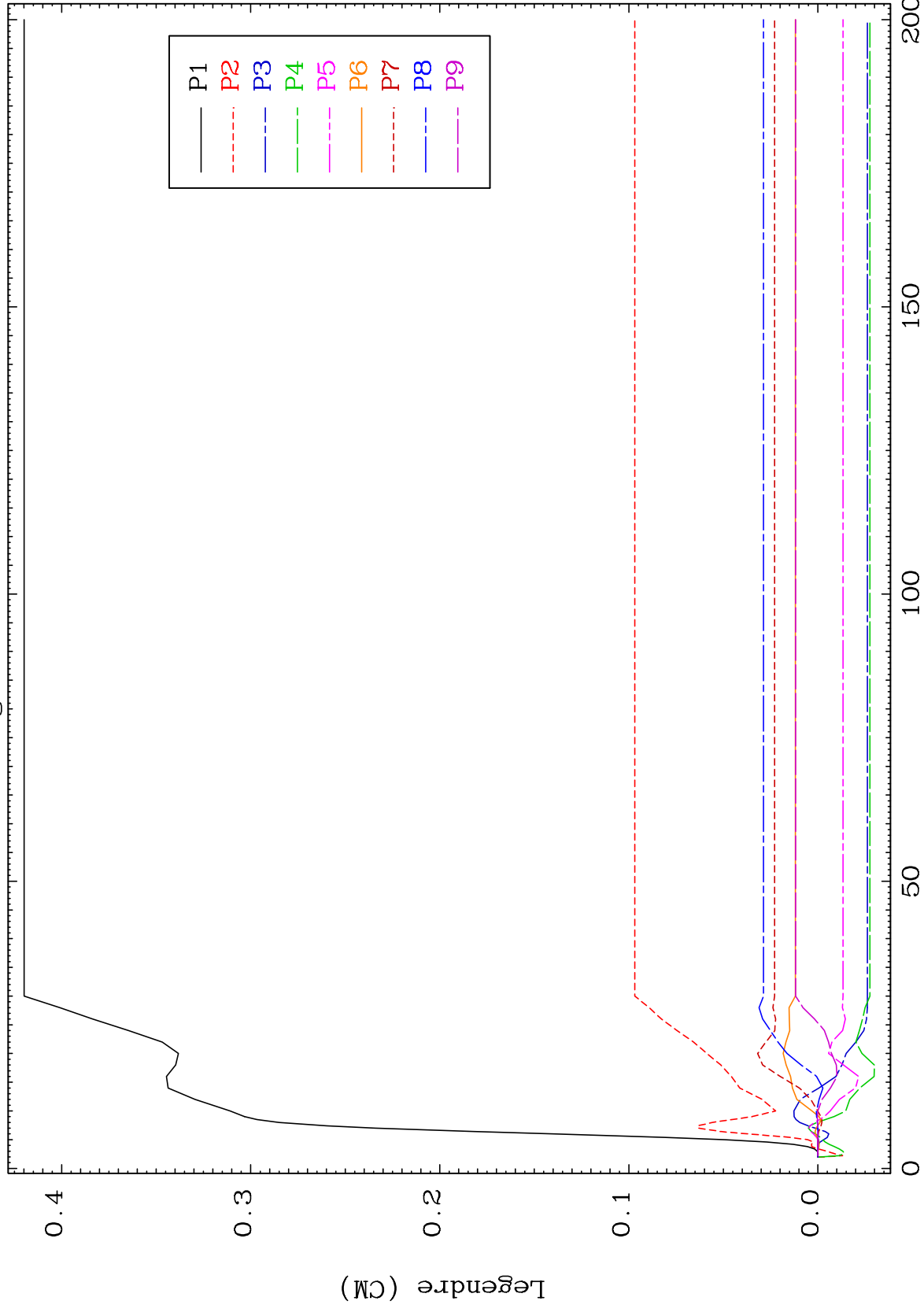
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

56-Ba-132



49

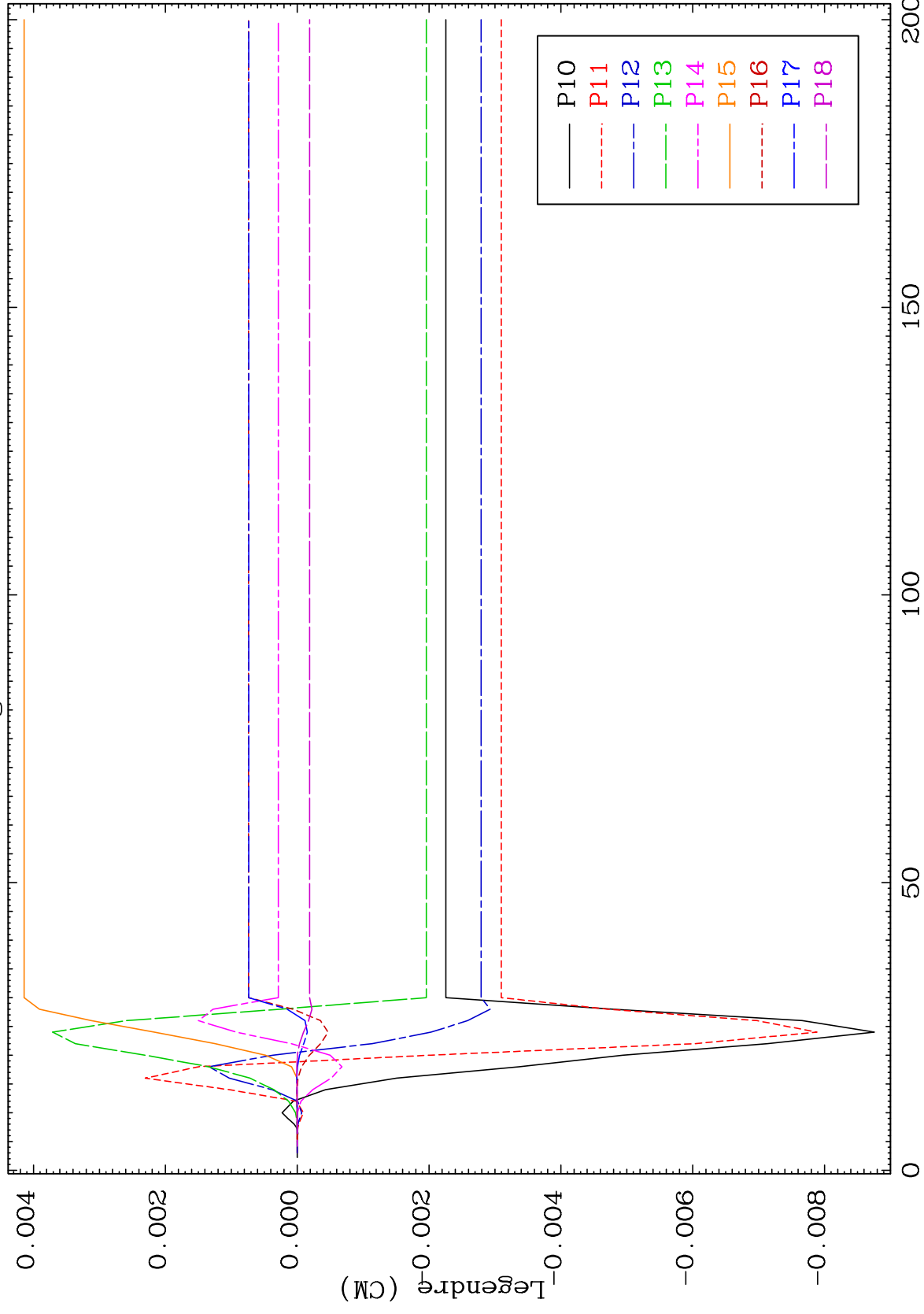
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

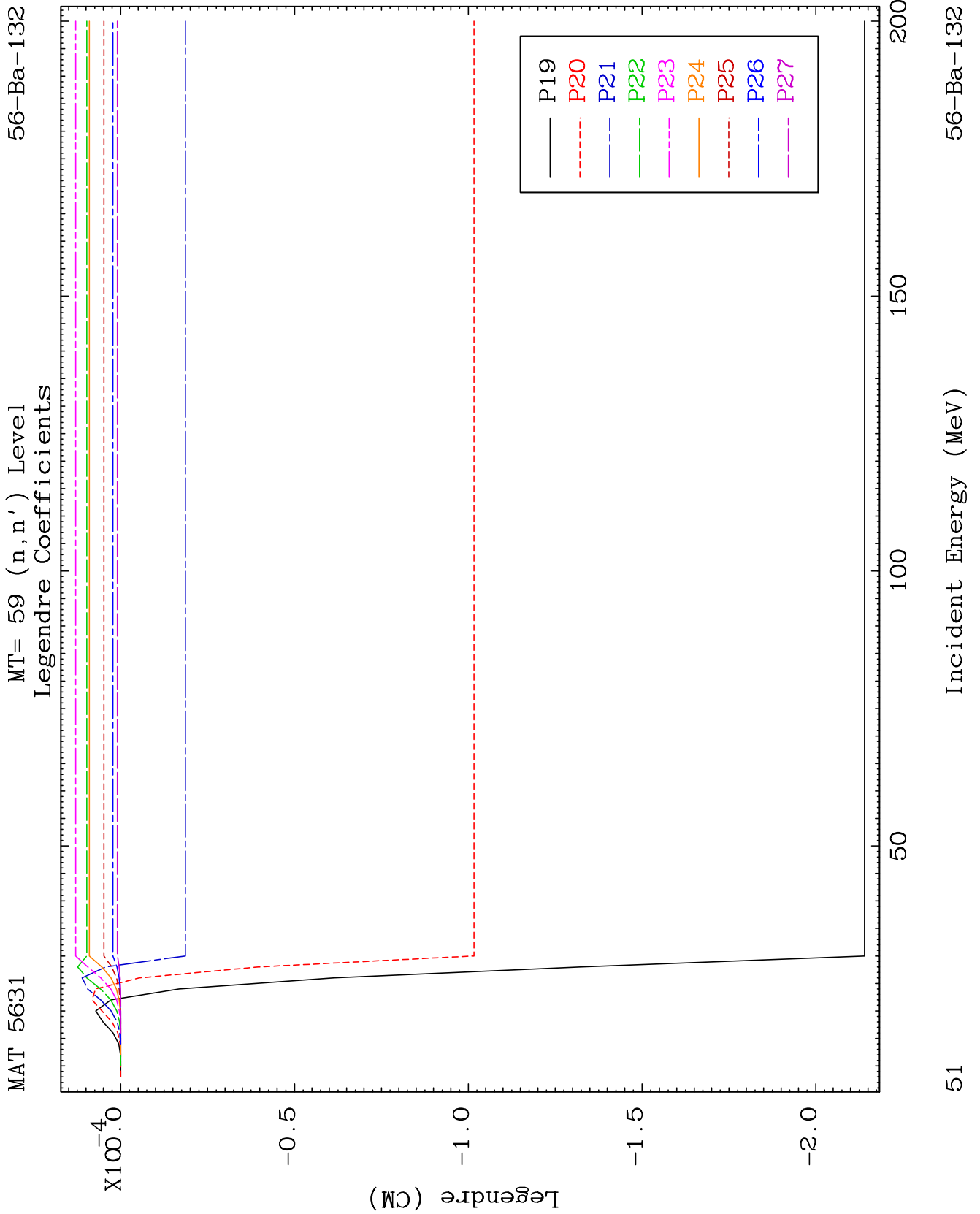
56-Ba-132



50

Incident Energy (MeV)

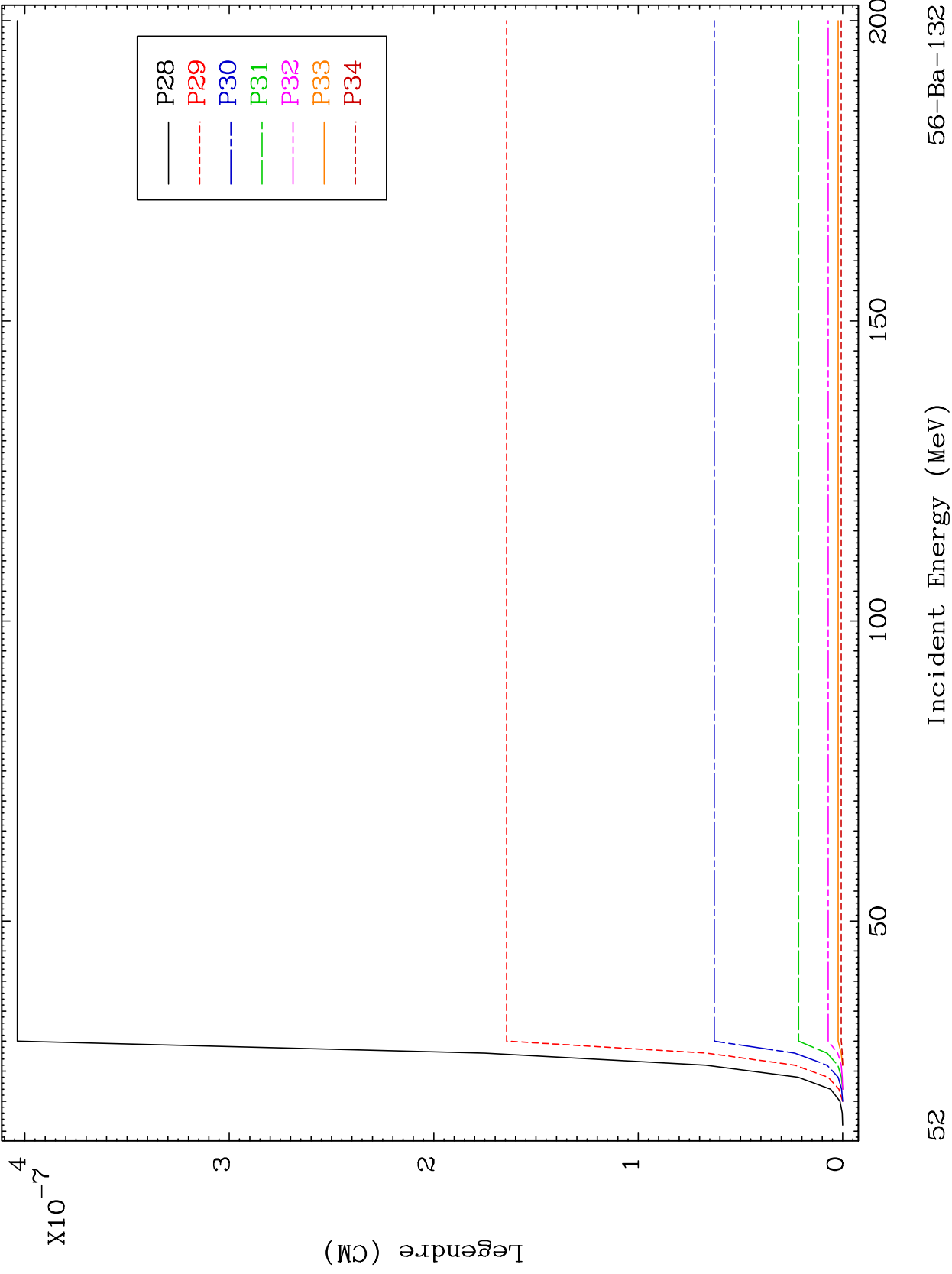
56-Ba-132



MAT 5631

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

56-Ba-132



52

Incident Energy (MeV)

56-Ba-132

200

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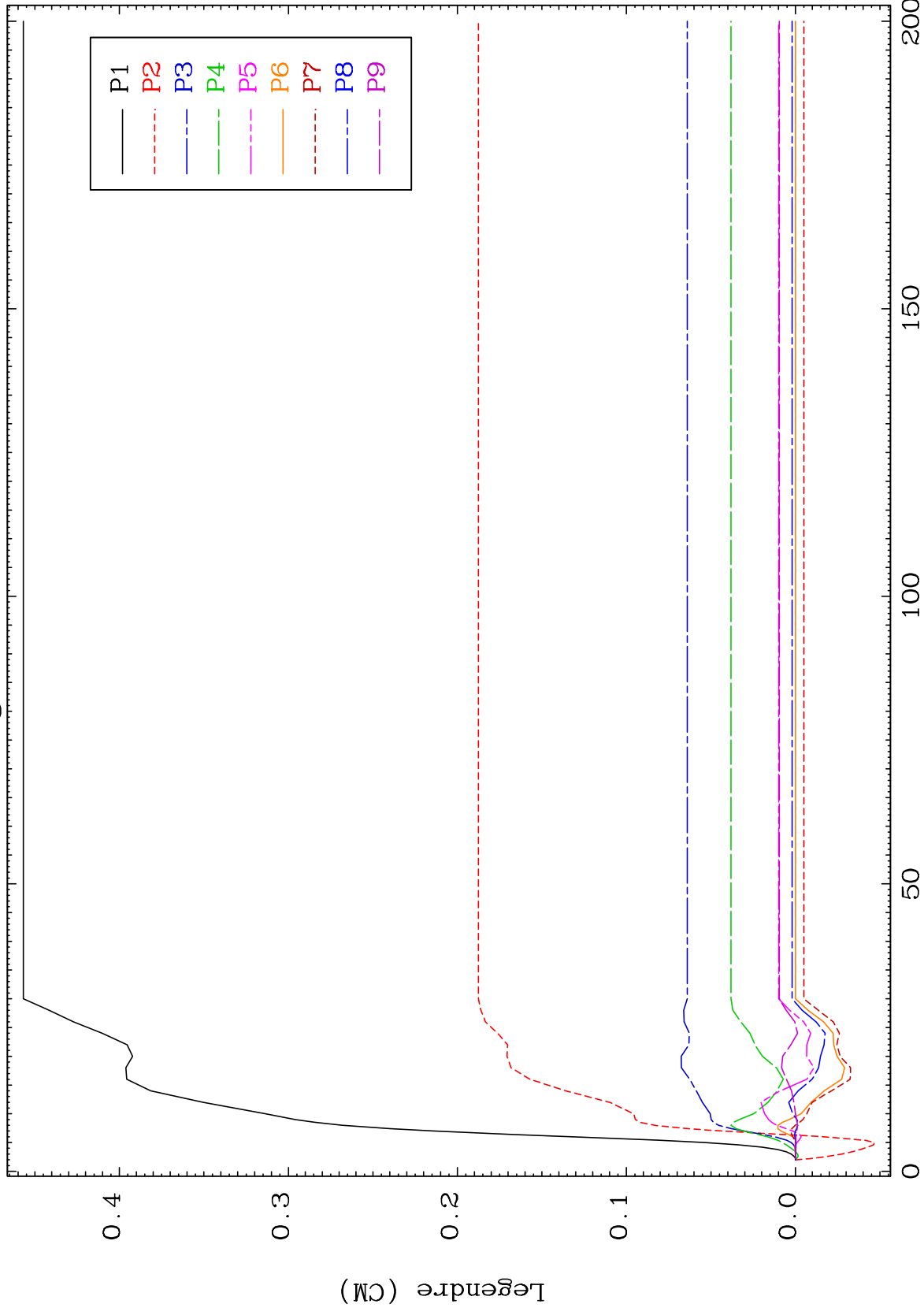
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MAT 5631

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

56-Ba-132



53

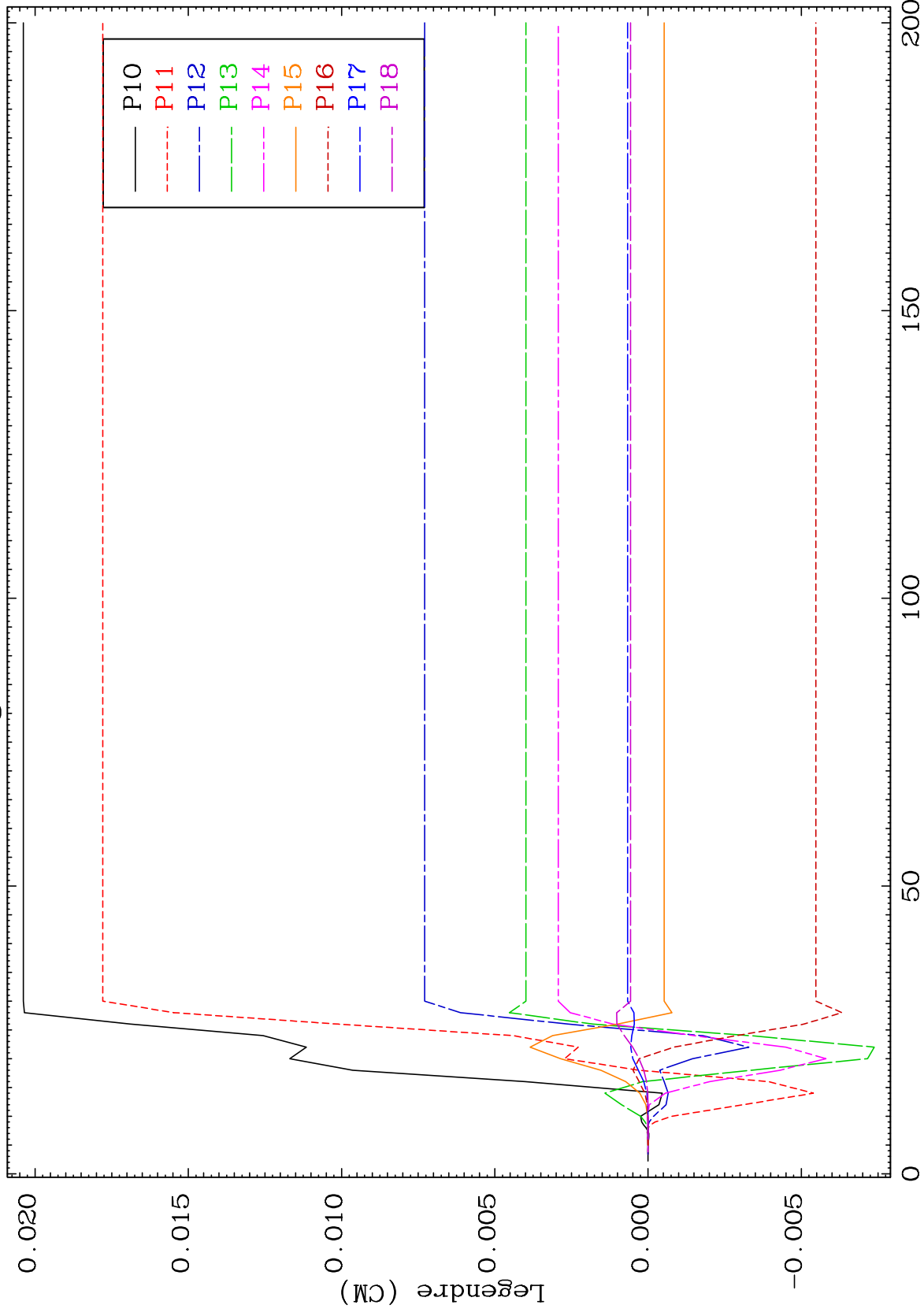
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

56-Ba-132



54

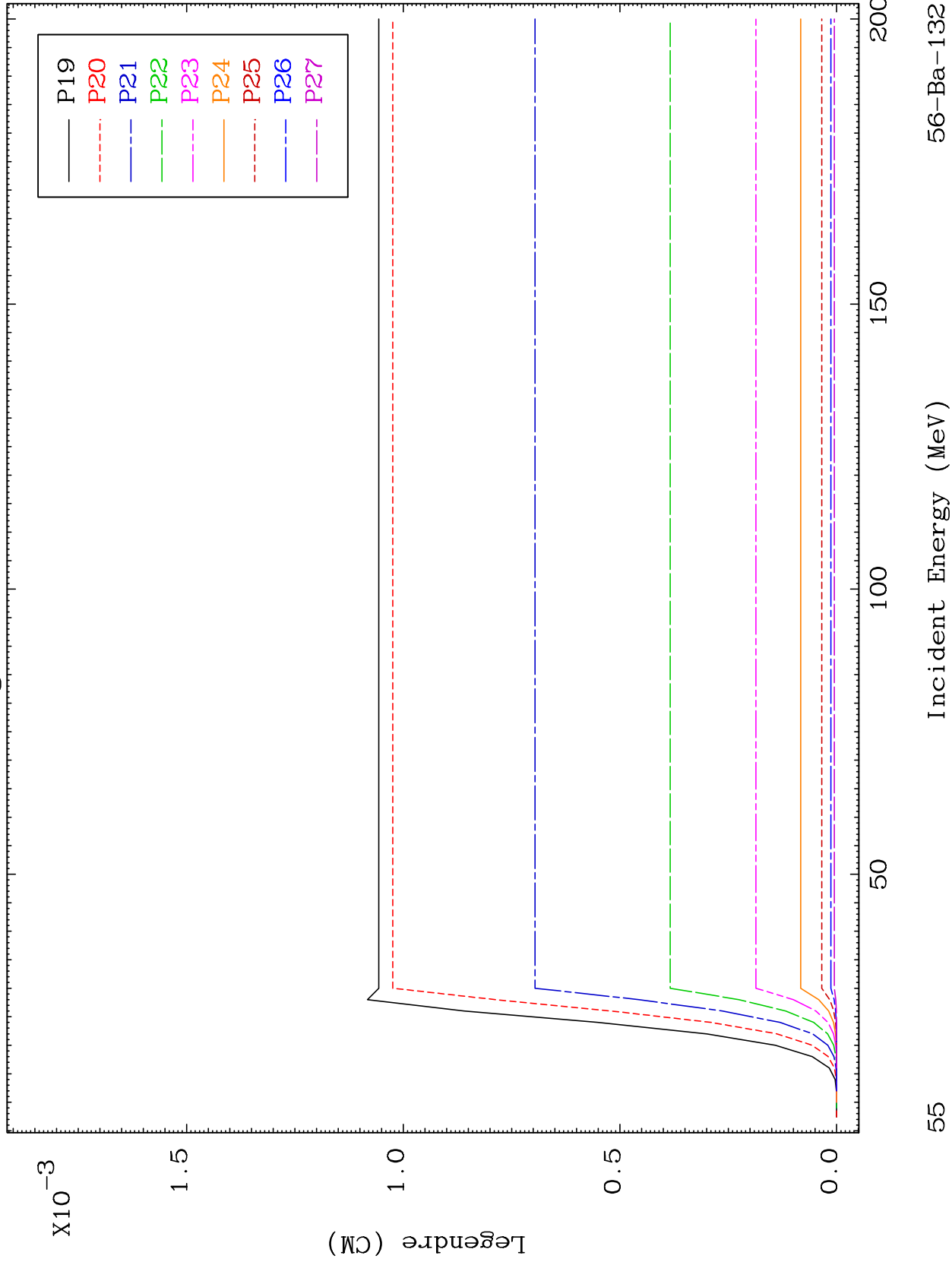
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

56-Ba-132



55

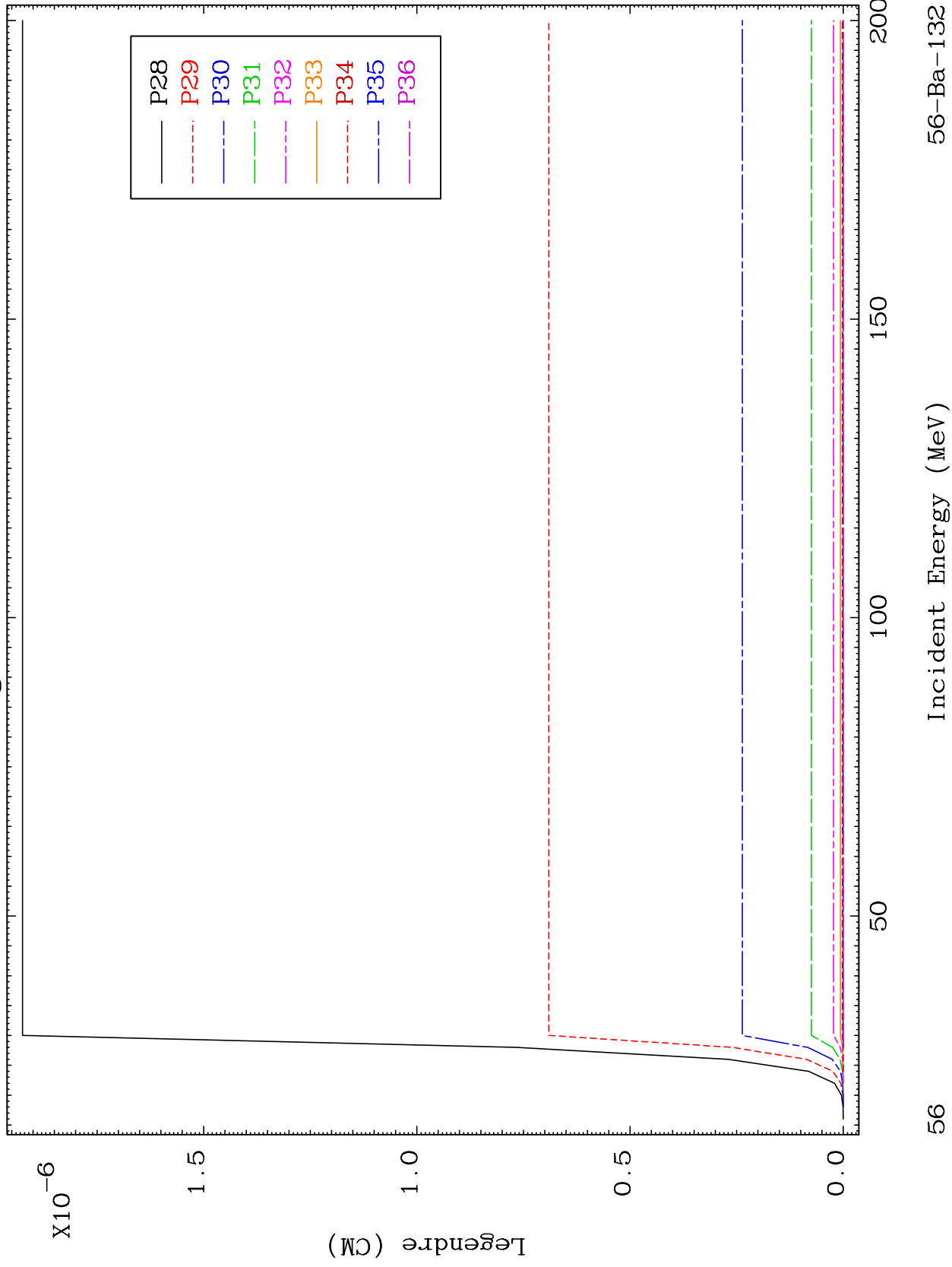
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

56-Ba-132



56

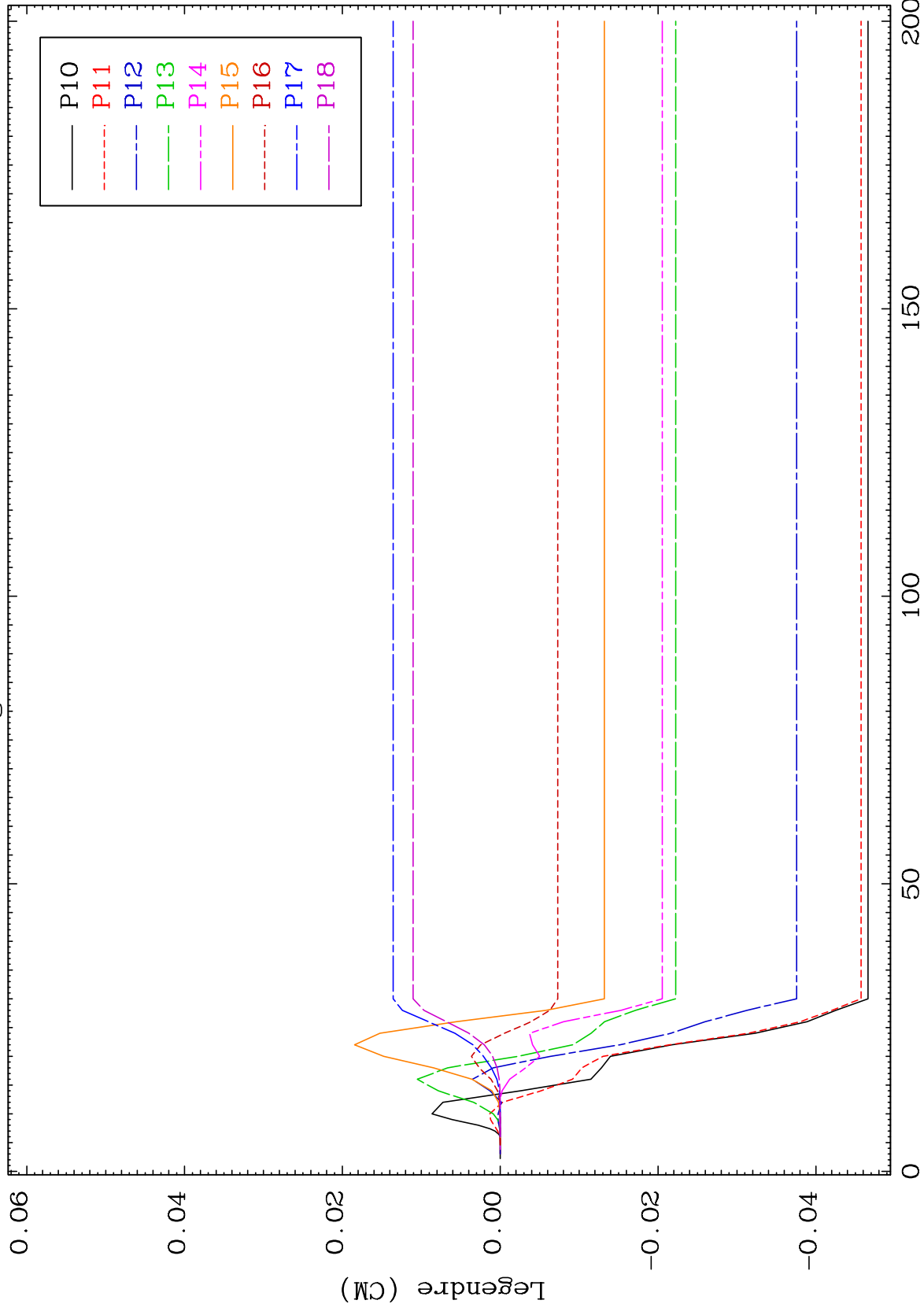
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

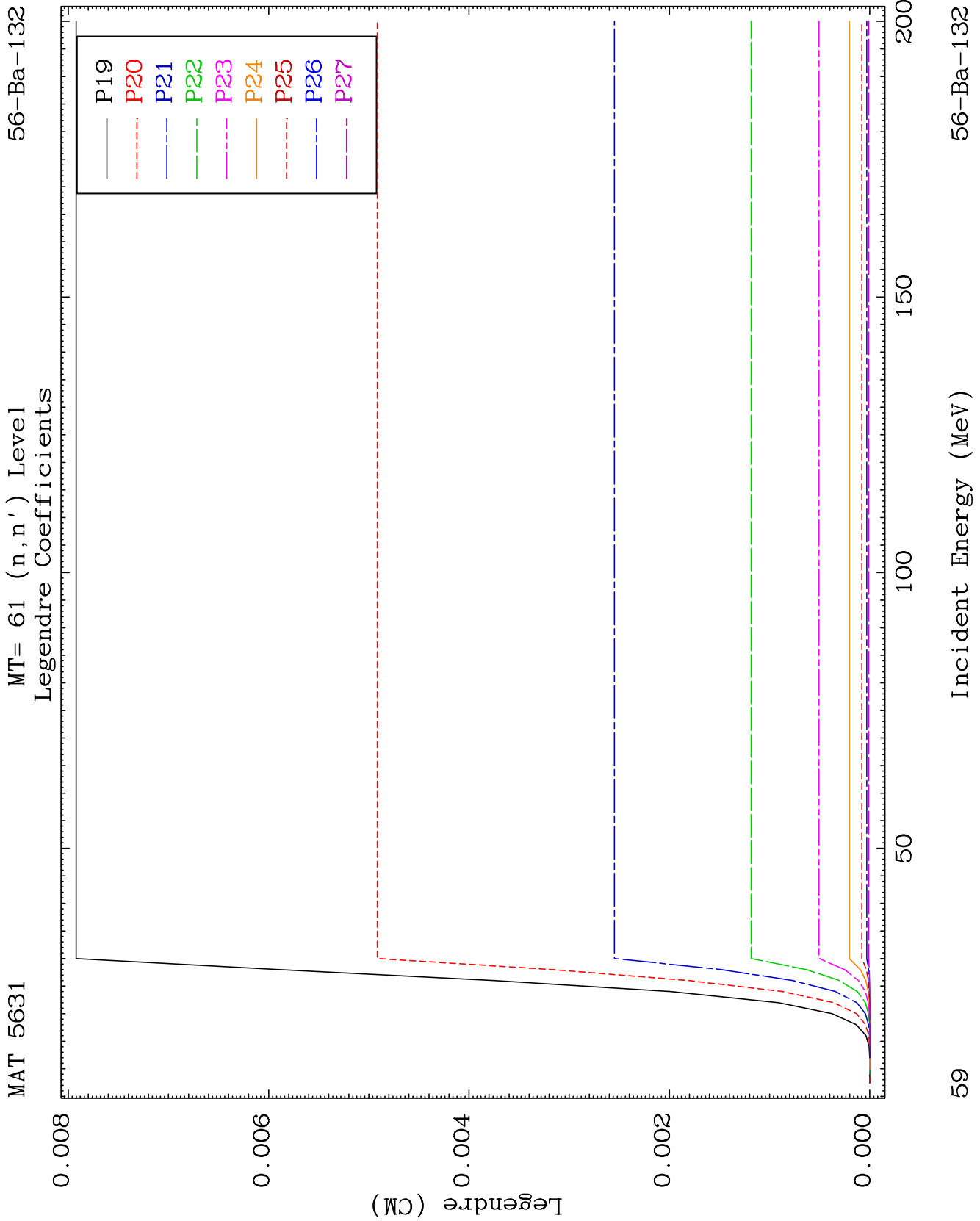
56-Ba-132



58

Incident Energy (MeV)

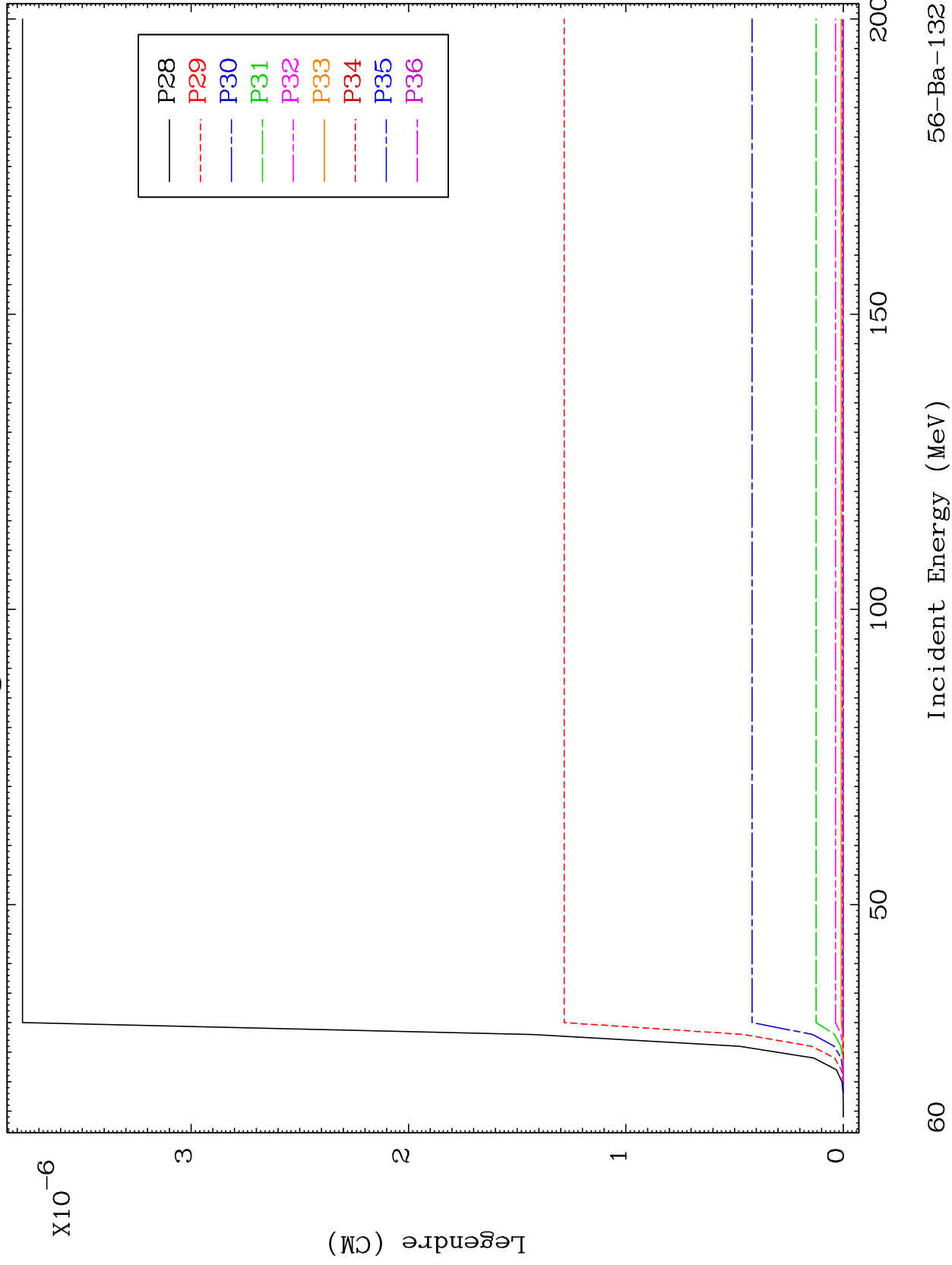
56-Ba-132



MAT 5631

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

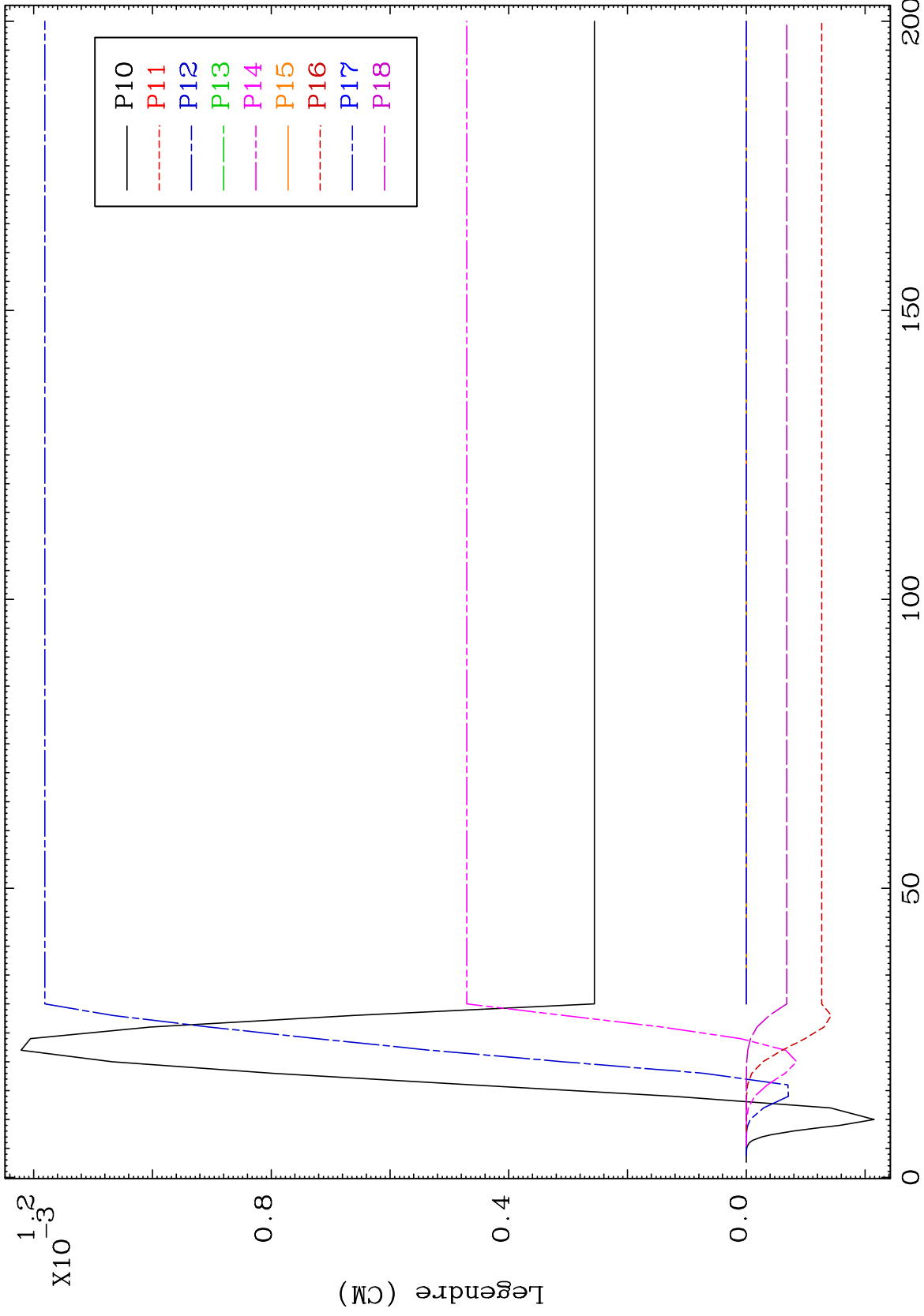
56-Ba-132



MAT 5631

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

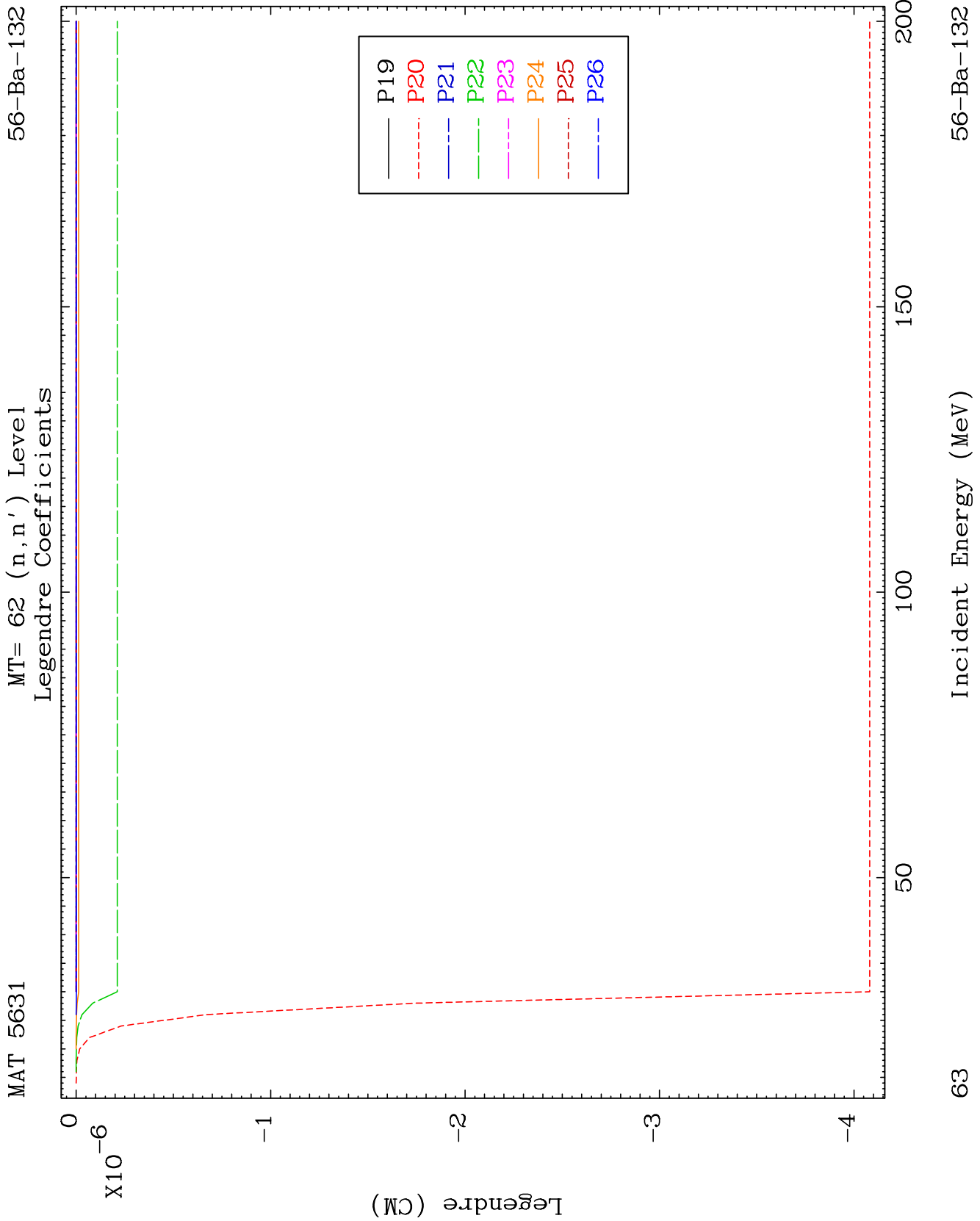
56-Ba-132

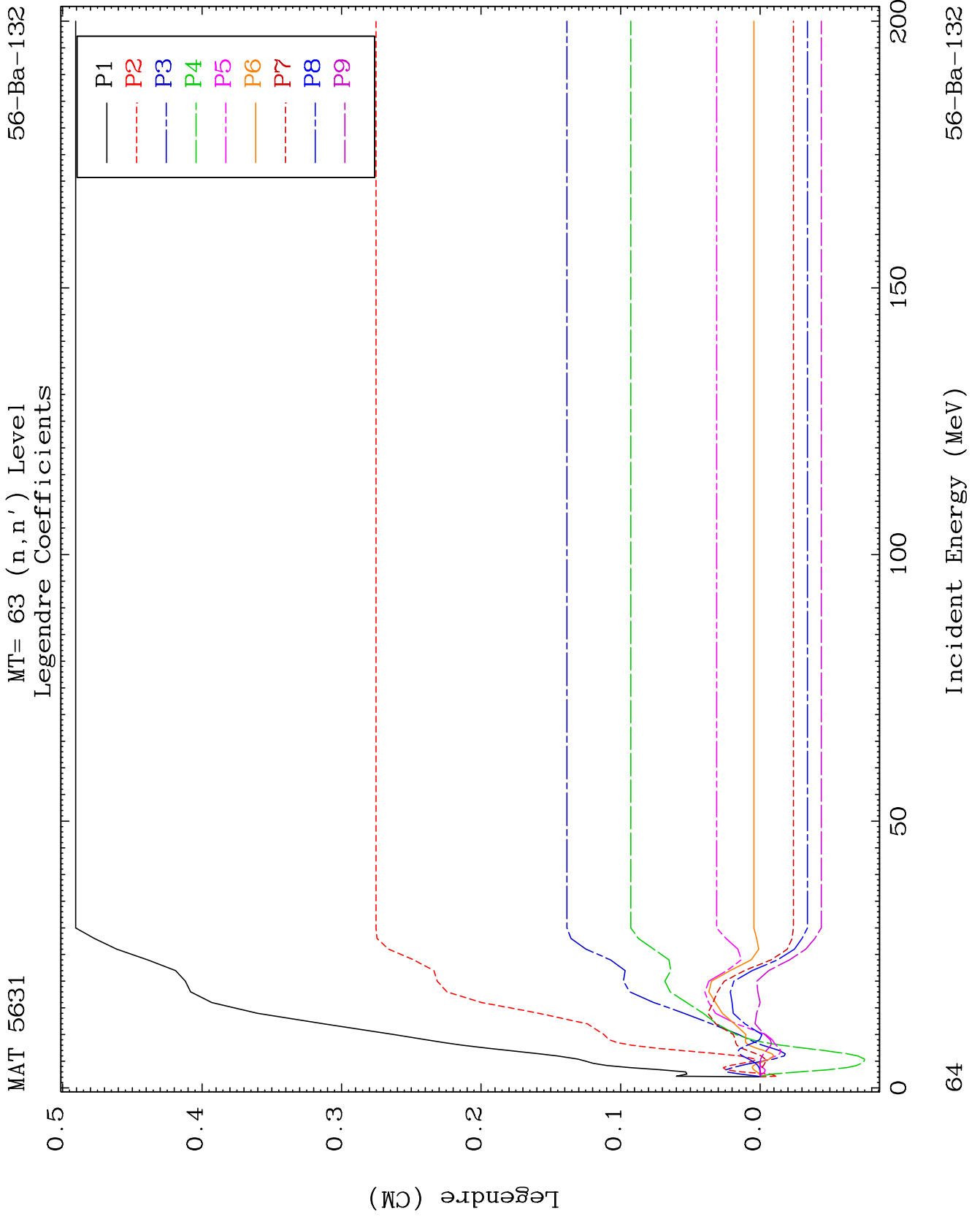


62

Incident Energy (MeV)

56-Ba-132

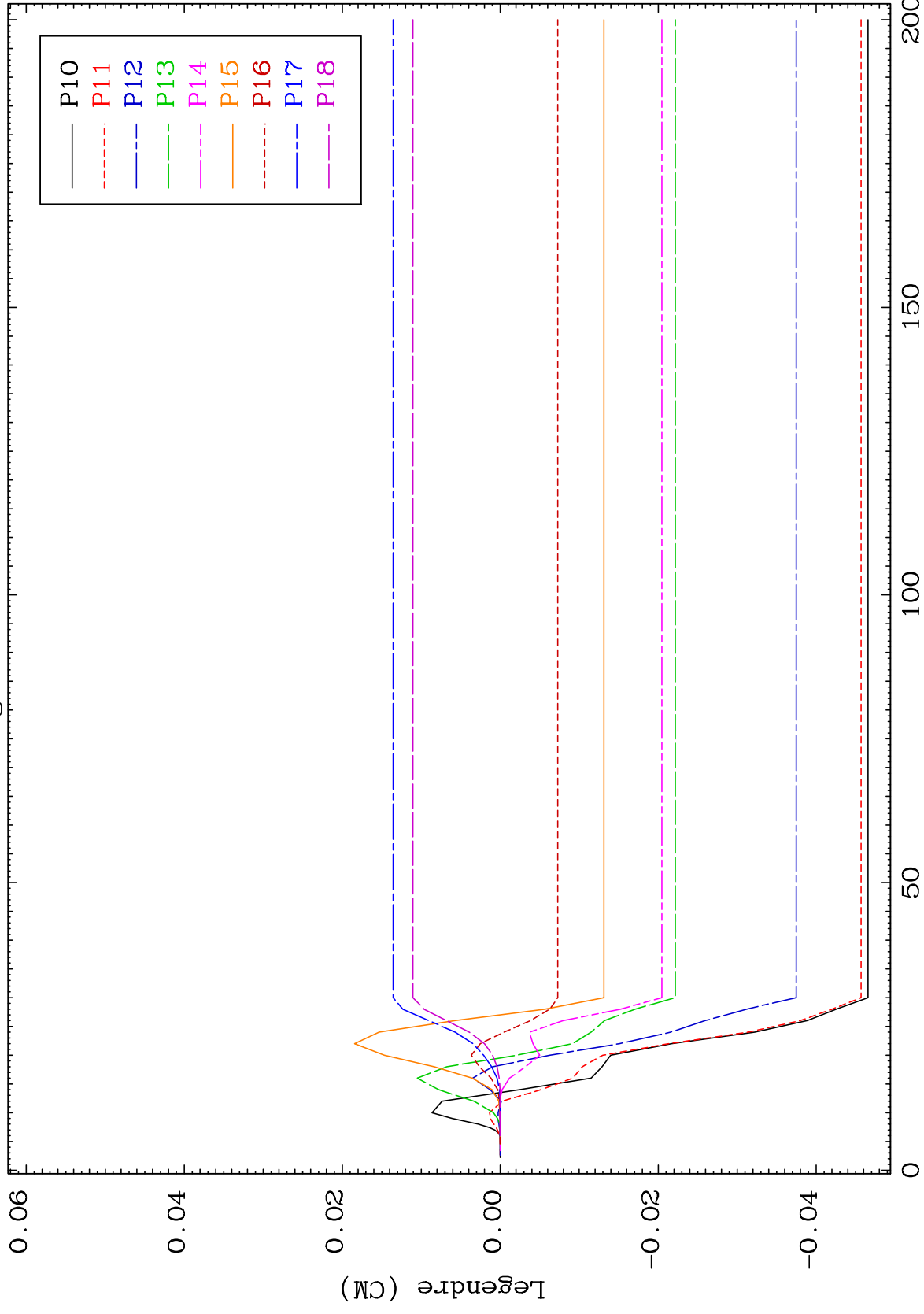




MAT 5631

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

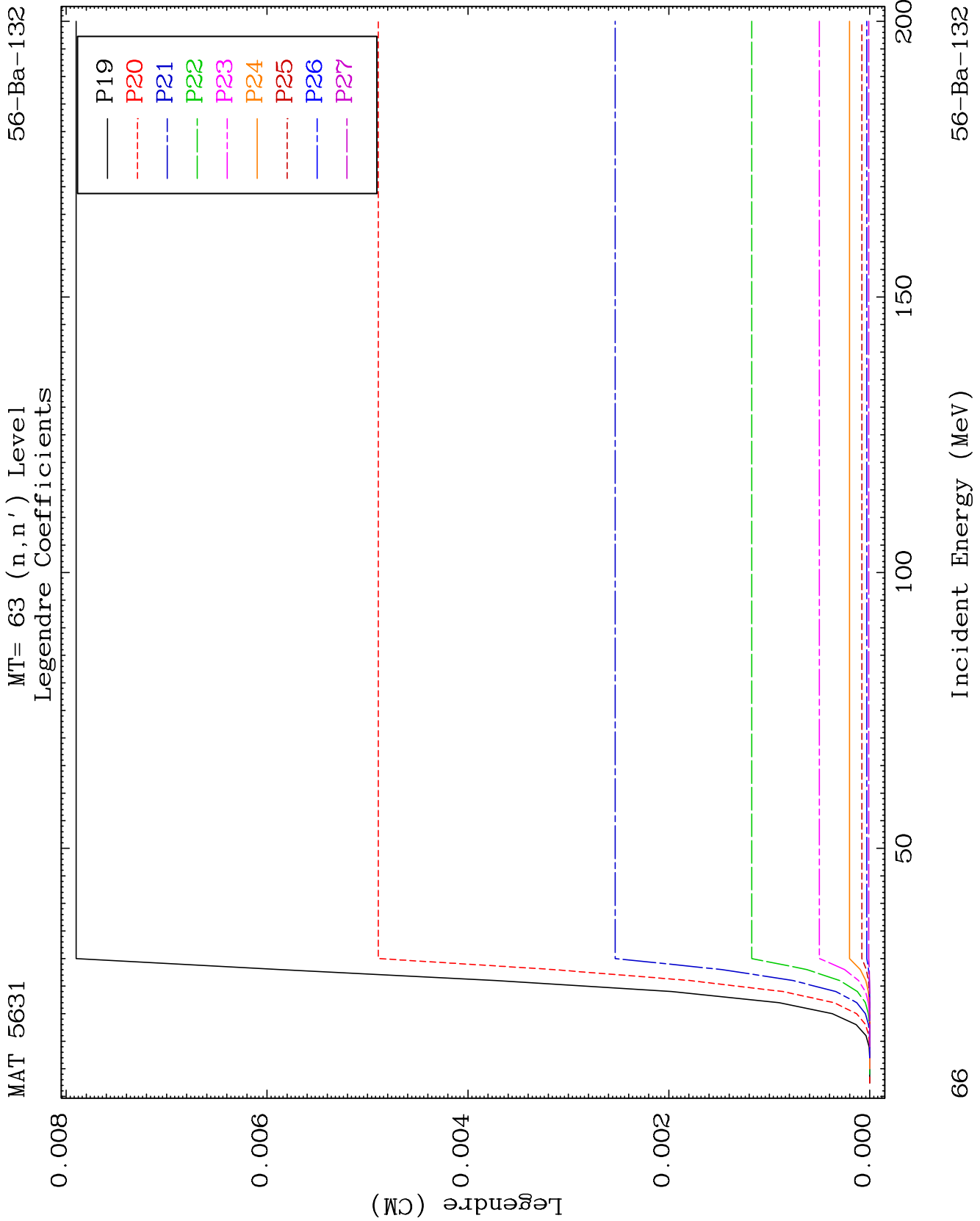
56-Ba-132



65

Incident Energy (MeV)

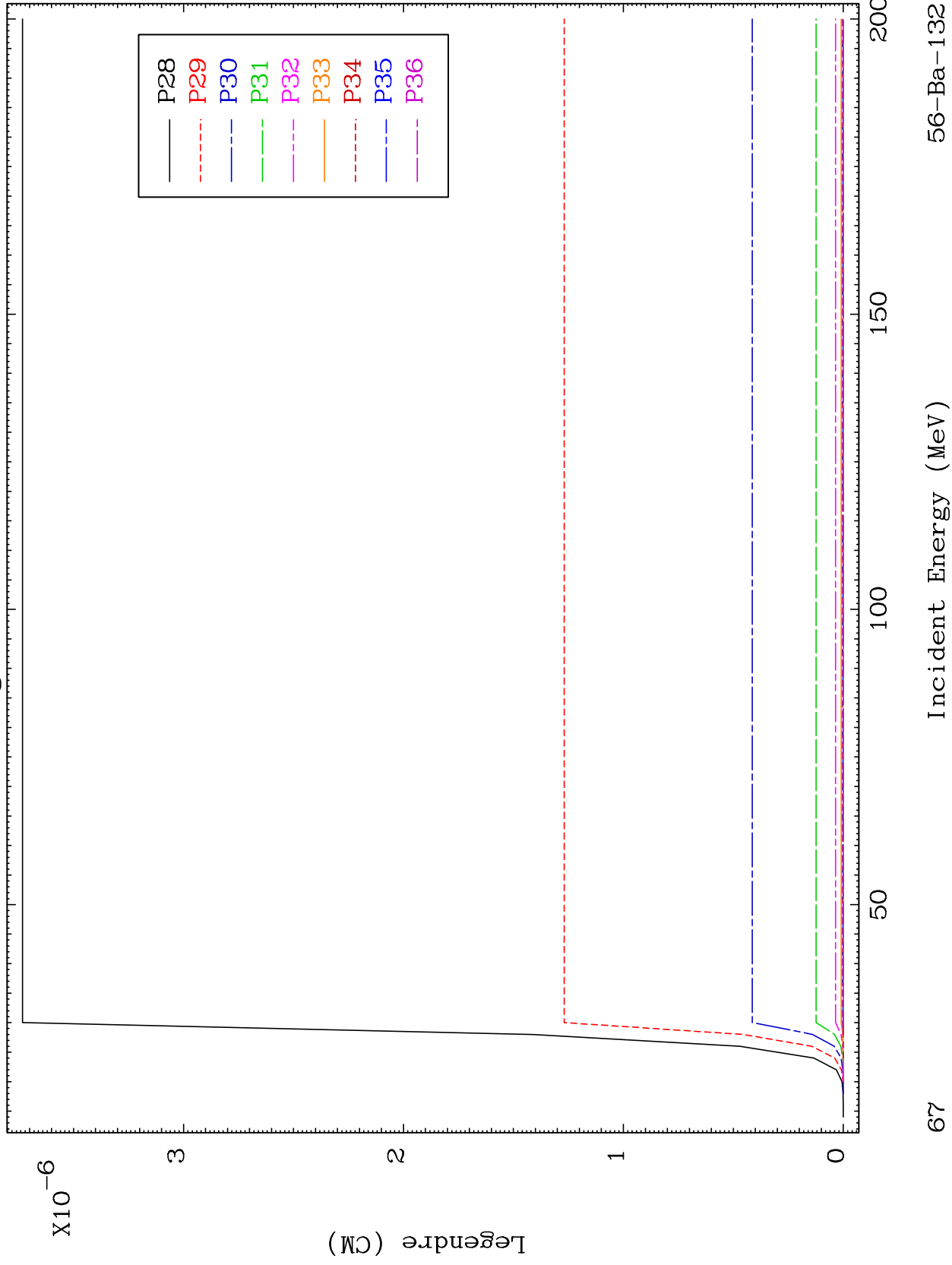
56-Ba-132



MAT 5631

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

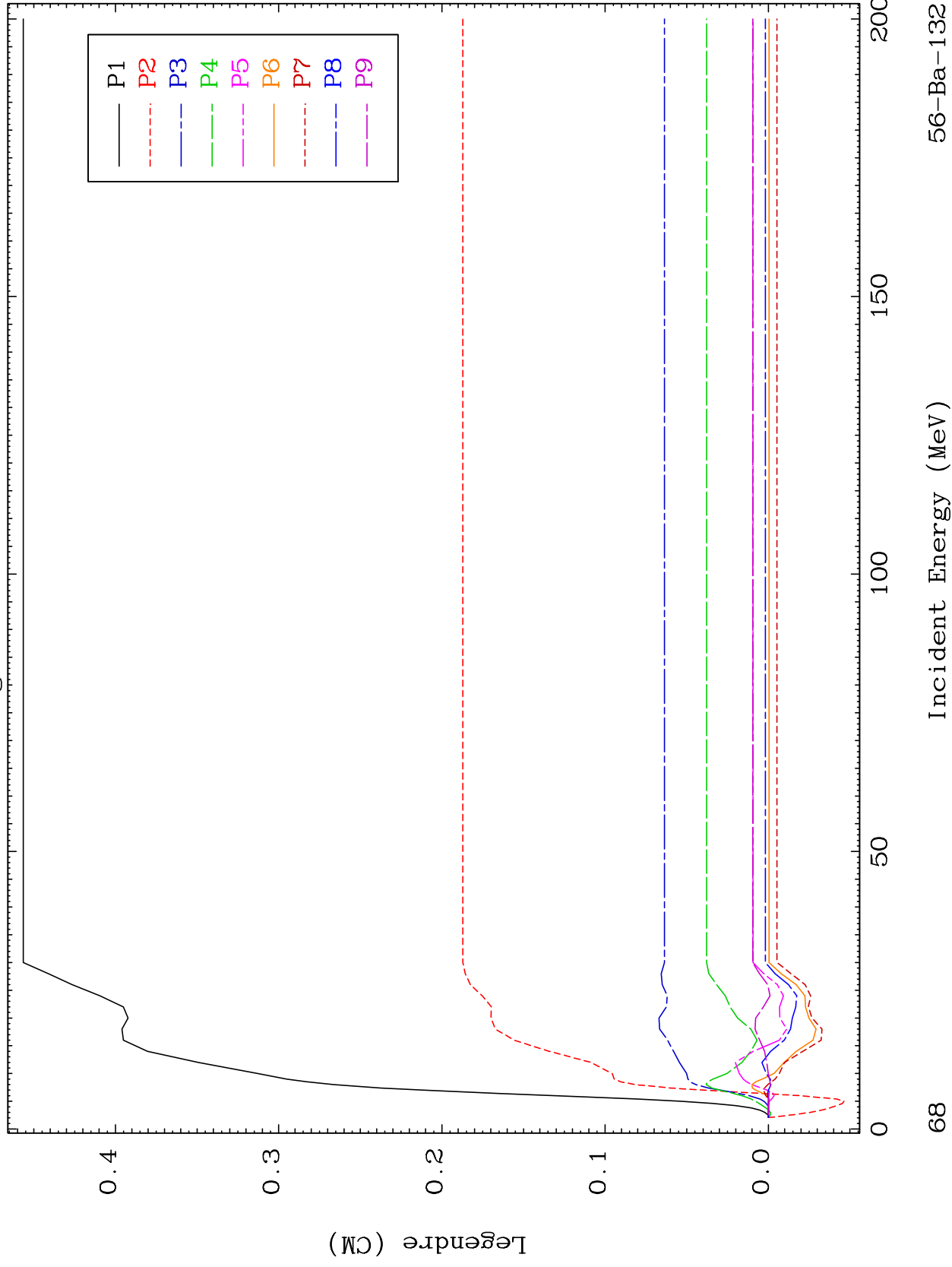
56-Ba-132



MAT 5631

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

56-Ba-132



56-Ba-132

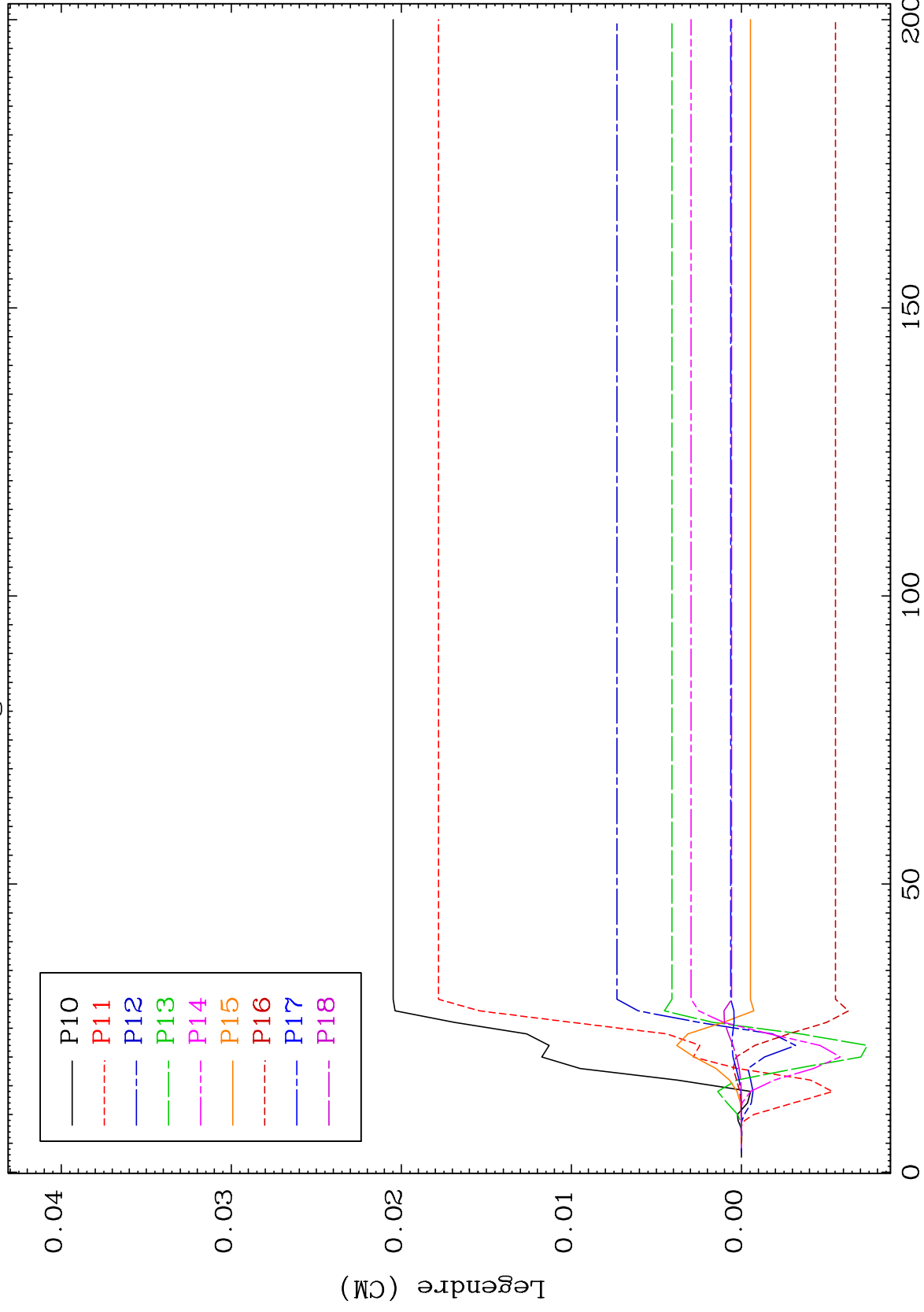
Incident Energy (MeV)

68

MAT 5631

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

56-Ba-132



69

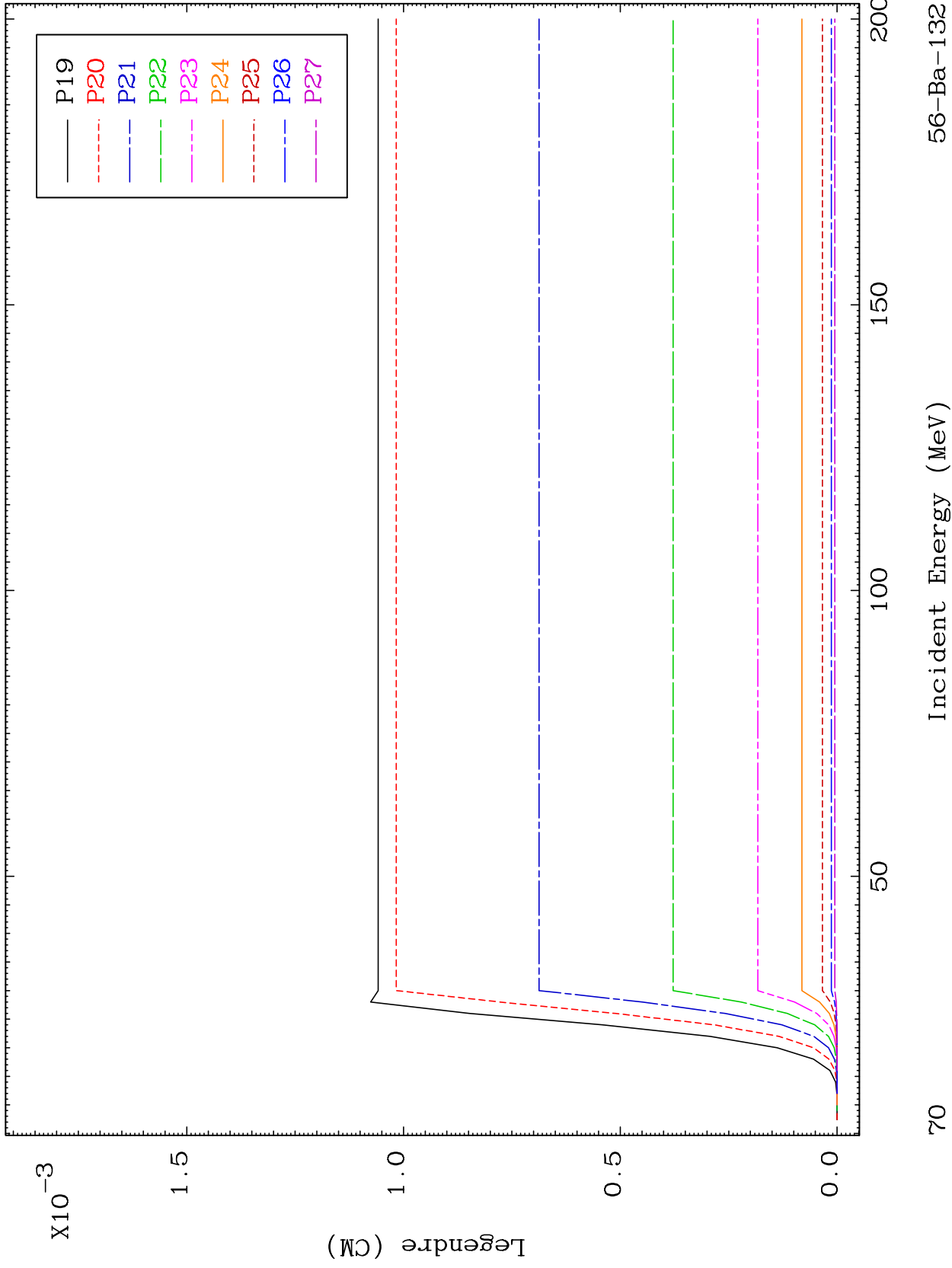
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

56-Ba-132



70

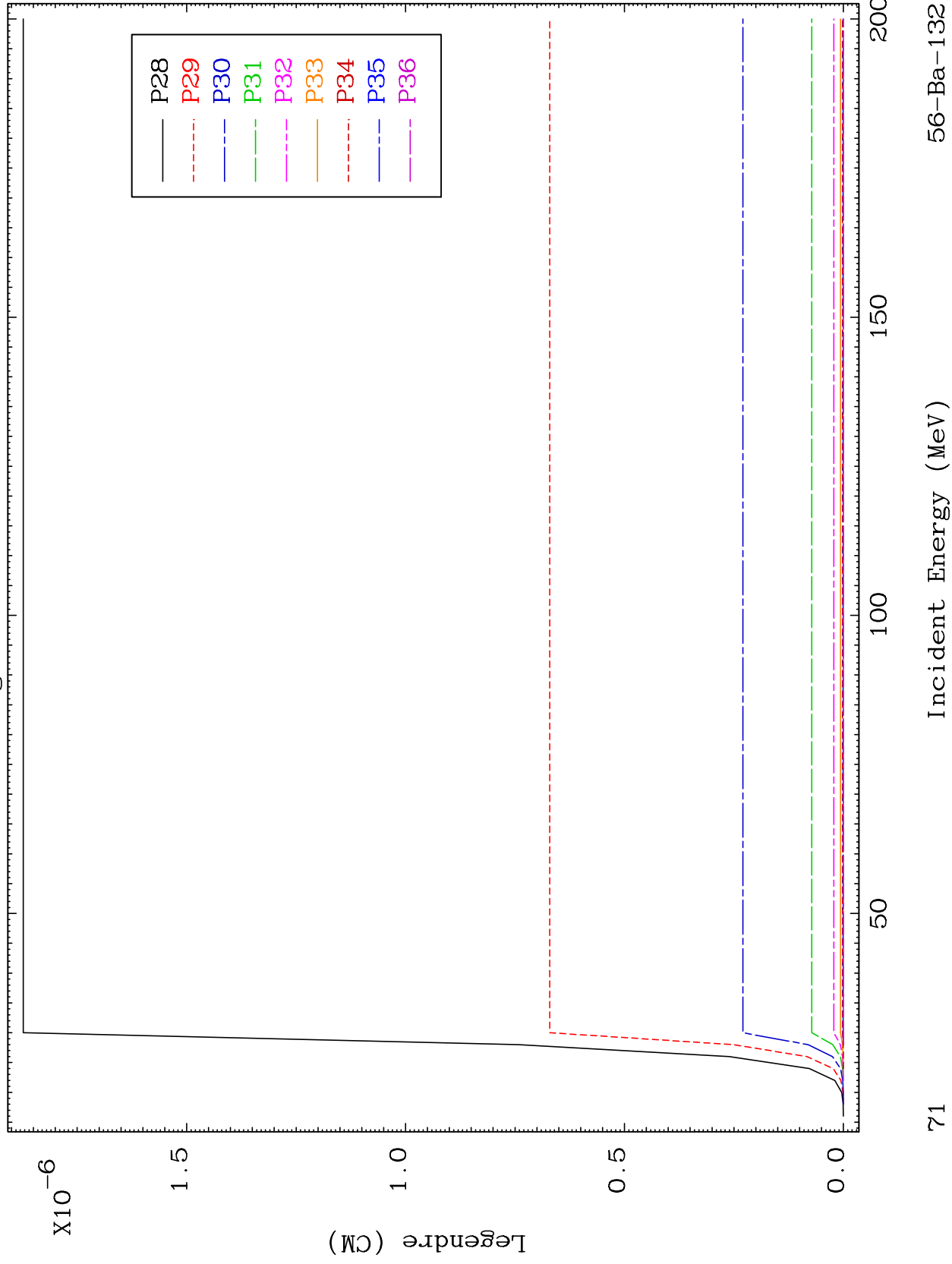
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

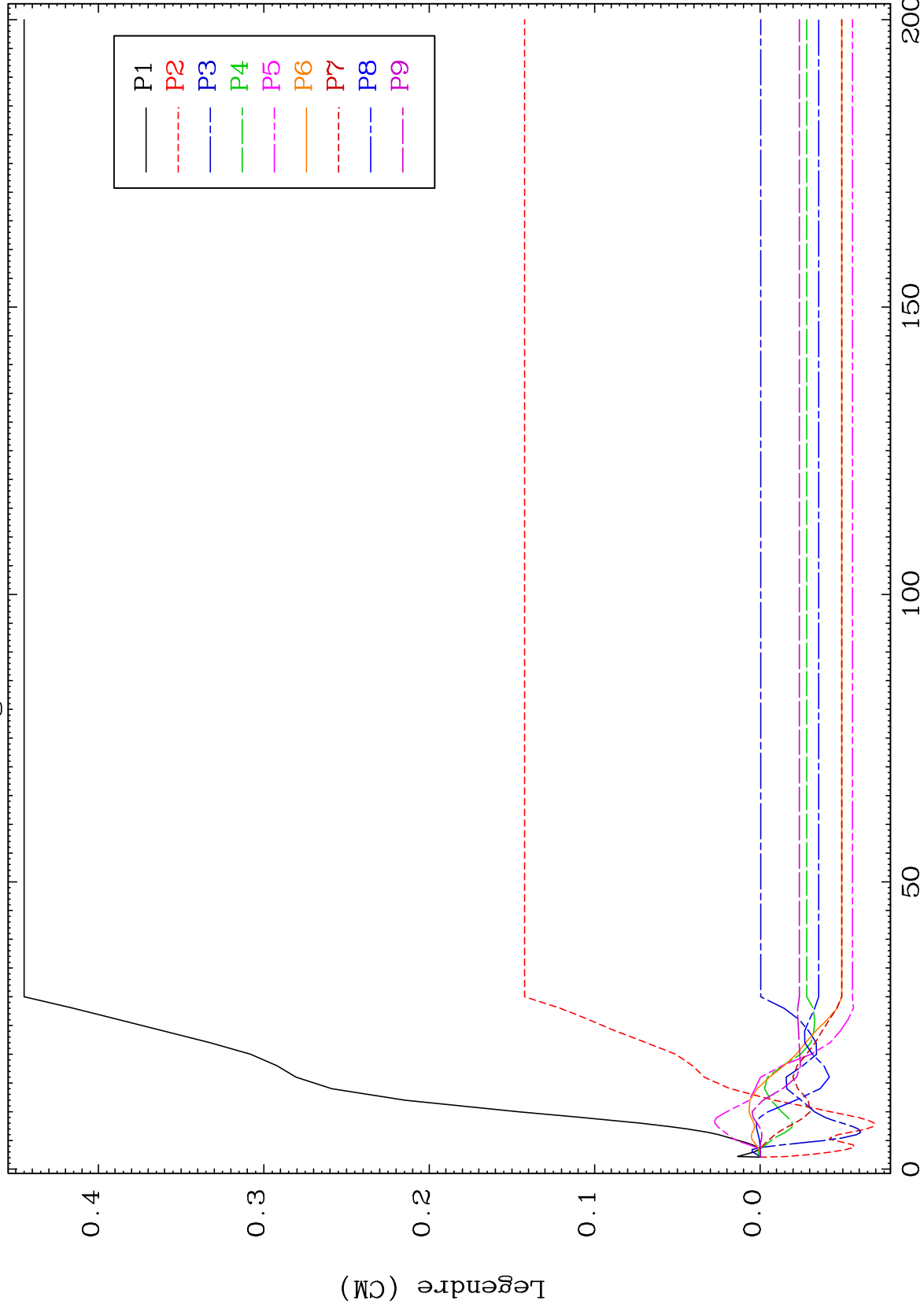
56-Ba-132



MAT 5631

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

56-Ba-132



72

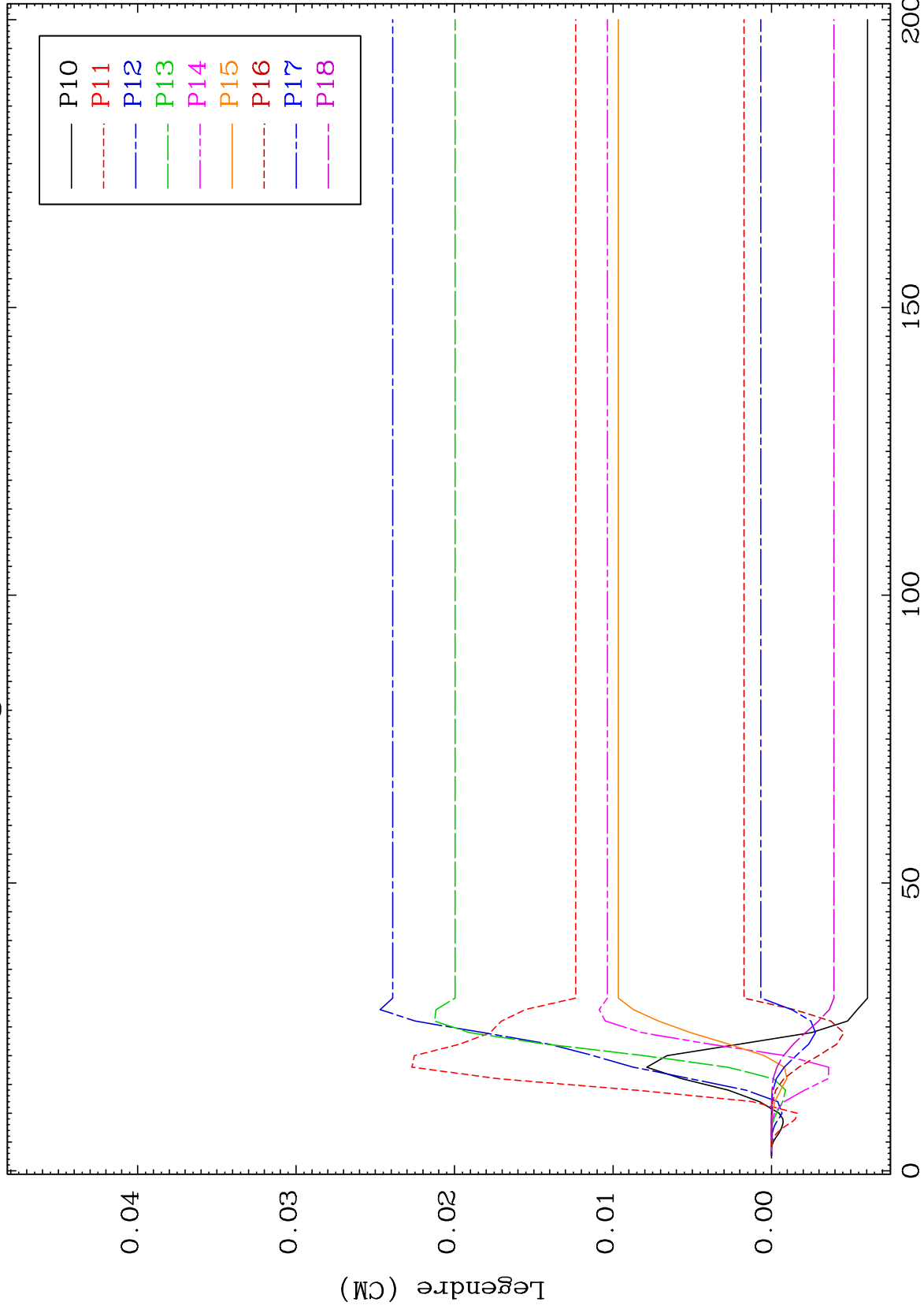
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

56-Ba-132



73

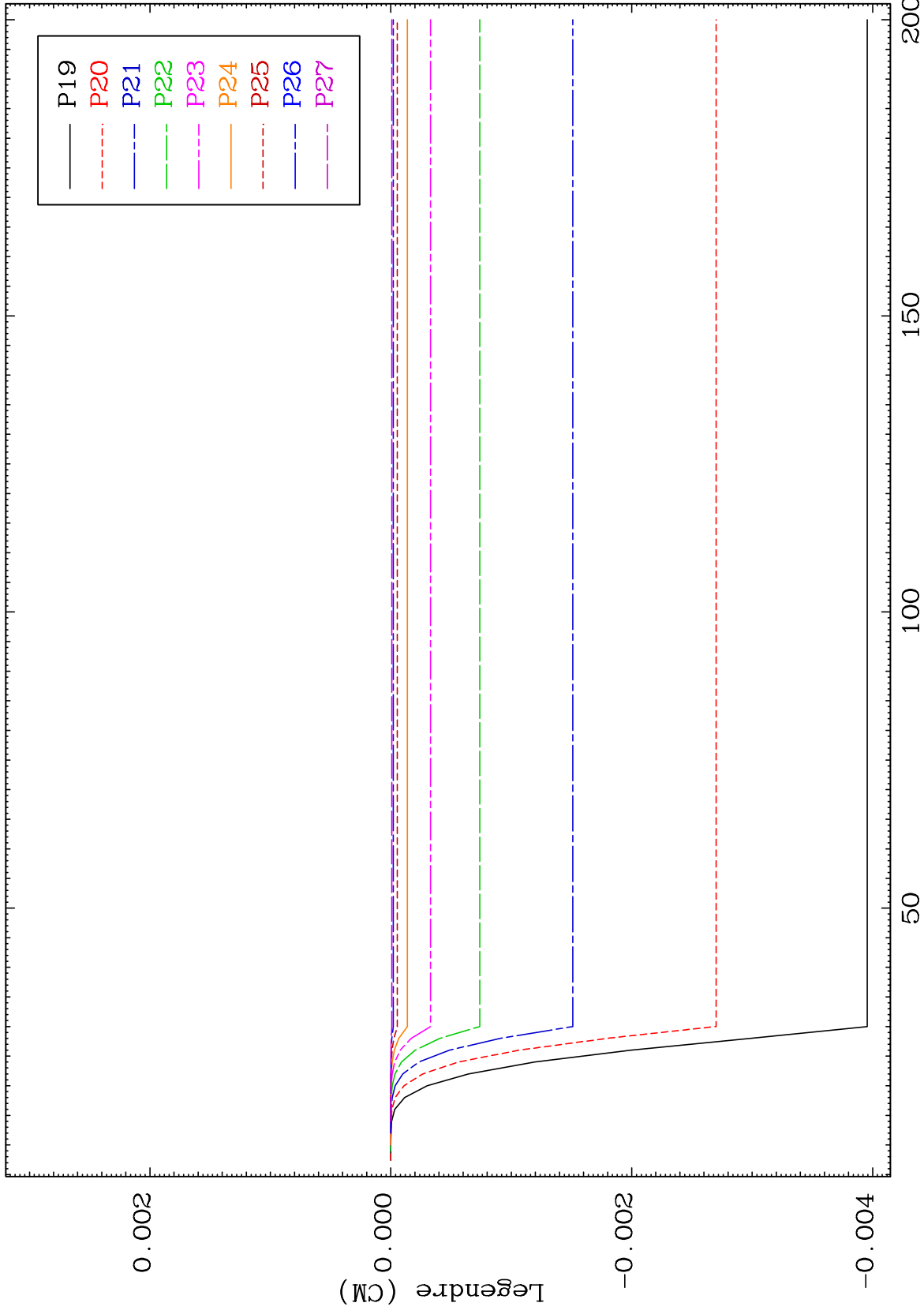
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

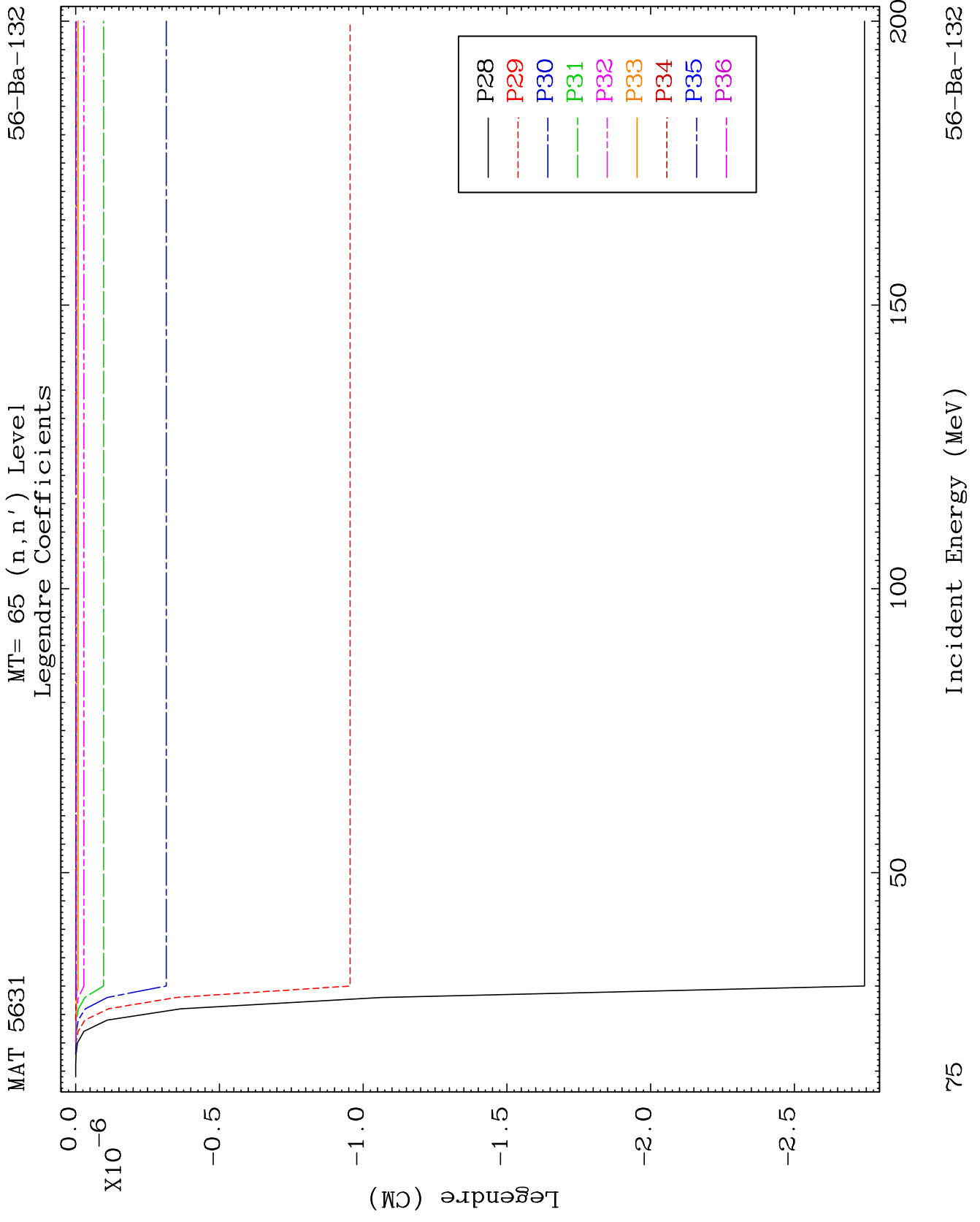
56-Ba-132



74

Incident Energy (MeV)

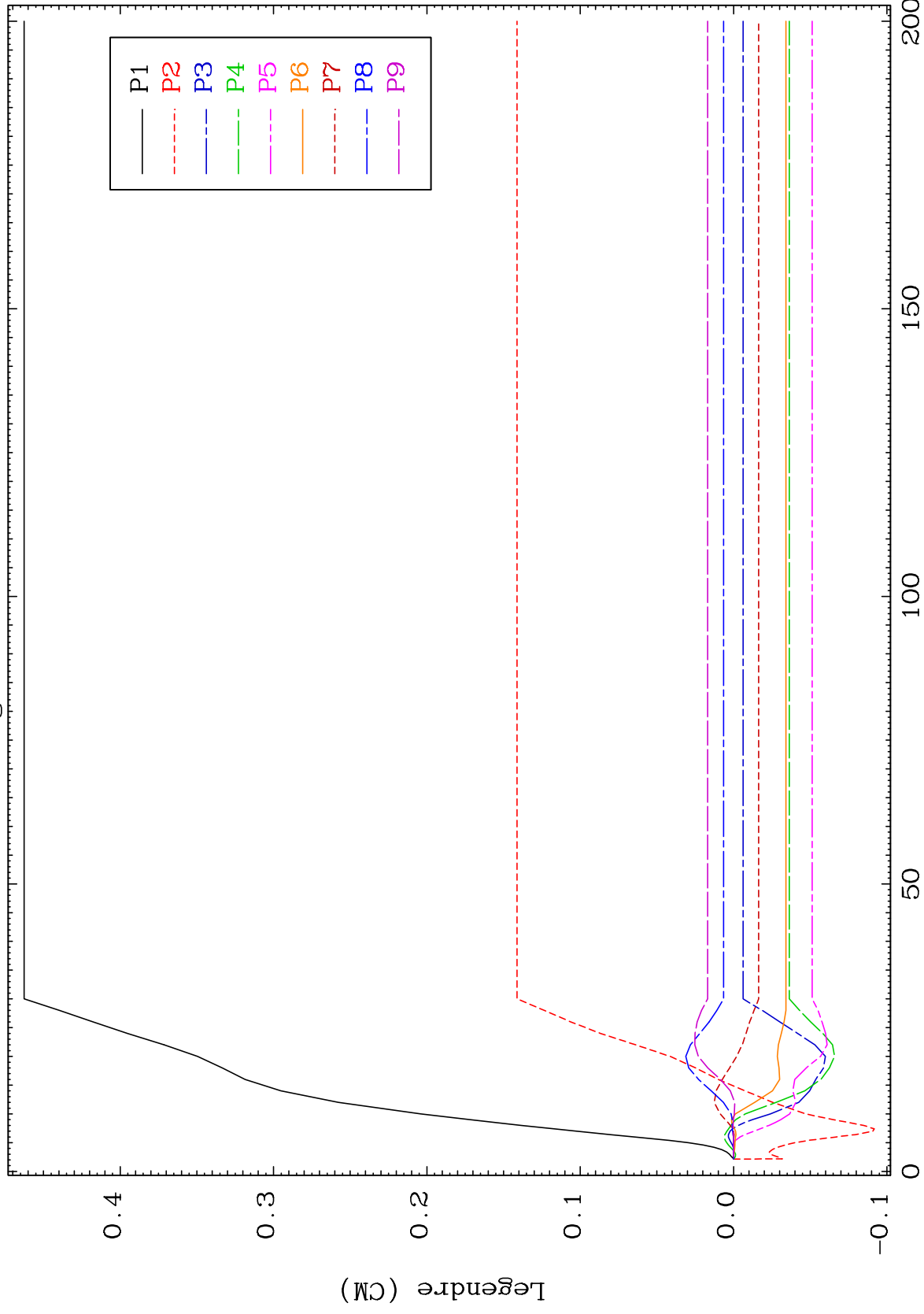
56-Ba-132



MAT 5631

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

56-Ba-132



76

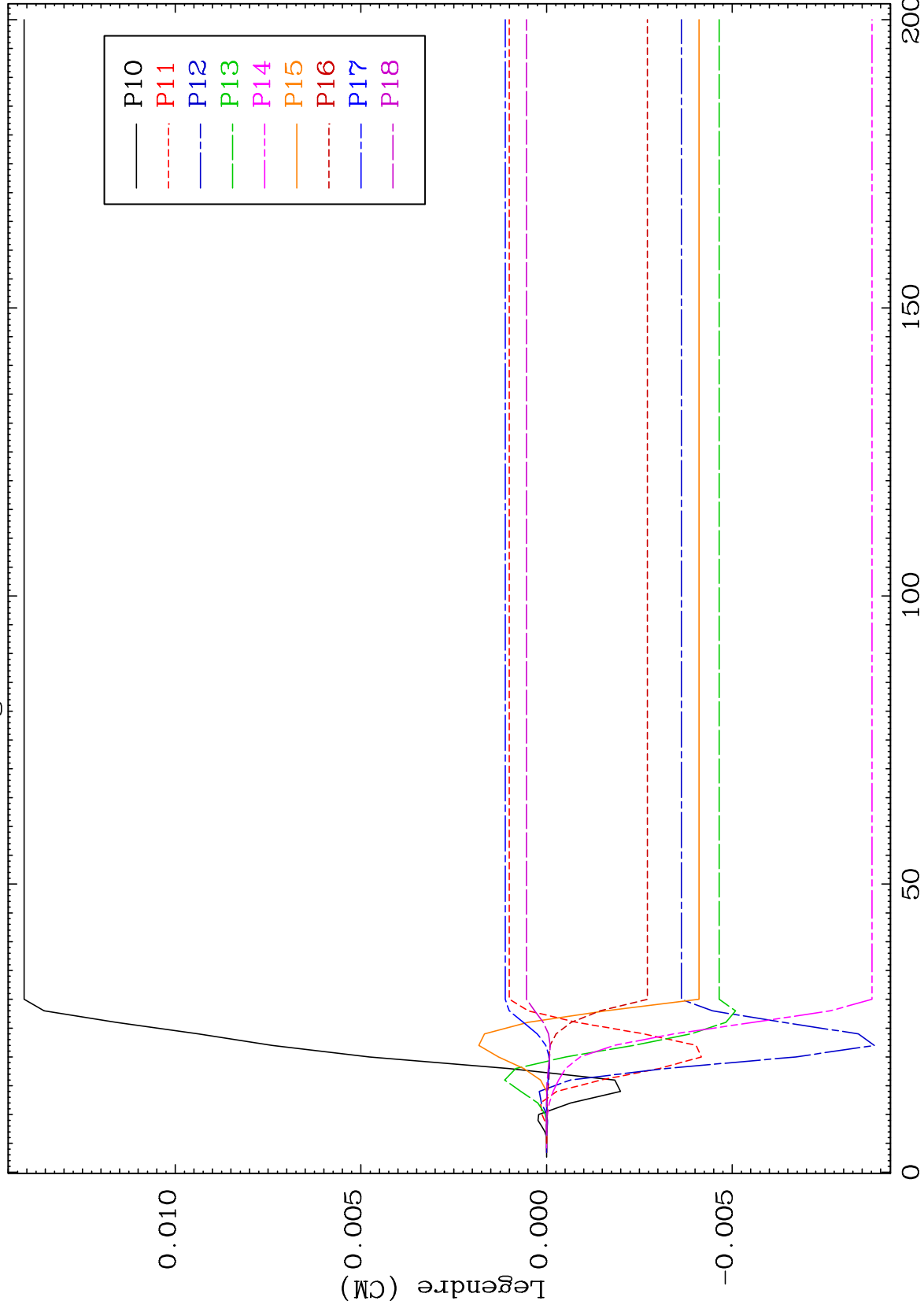
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

56-Ba-132



77

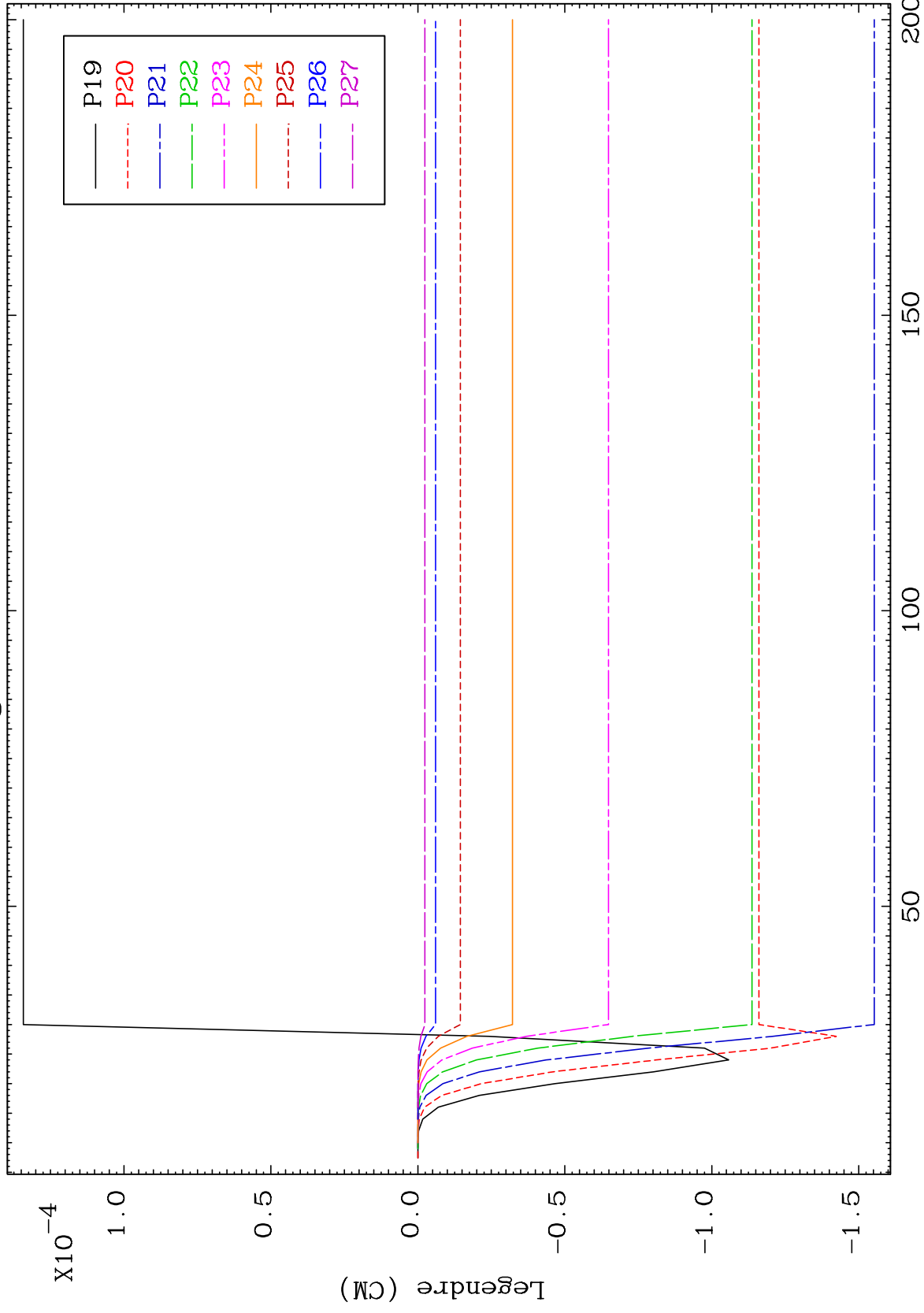
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

56-Ba-132



78

Incident Energy (MeV)

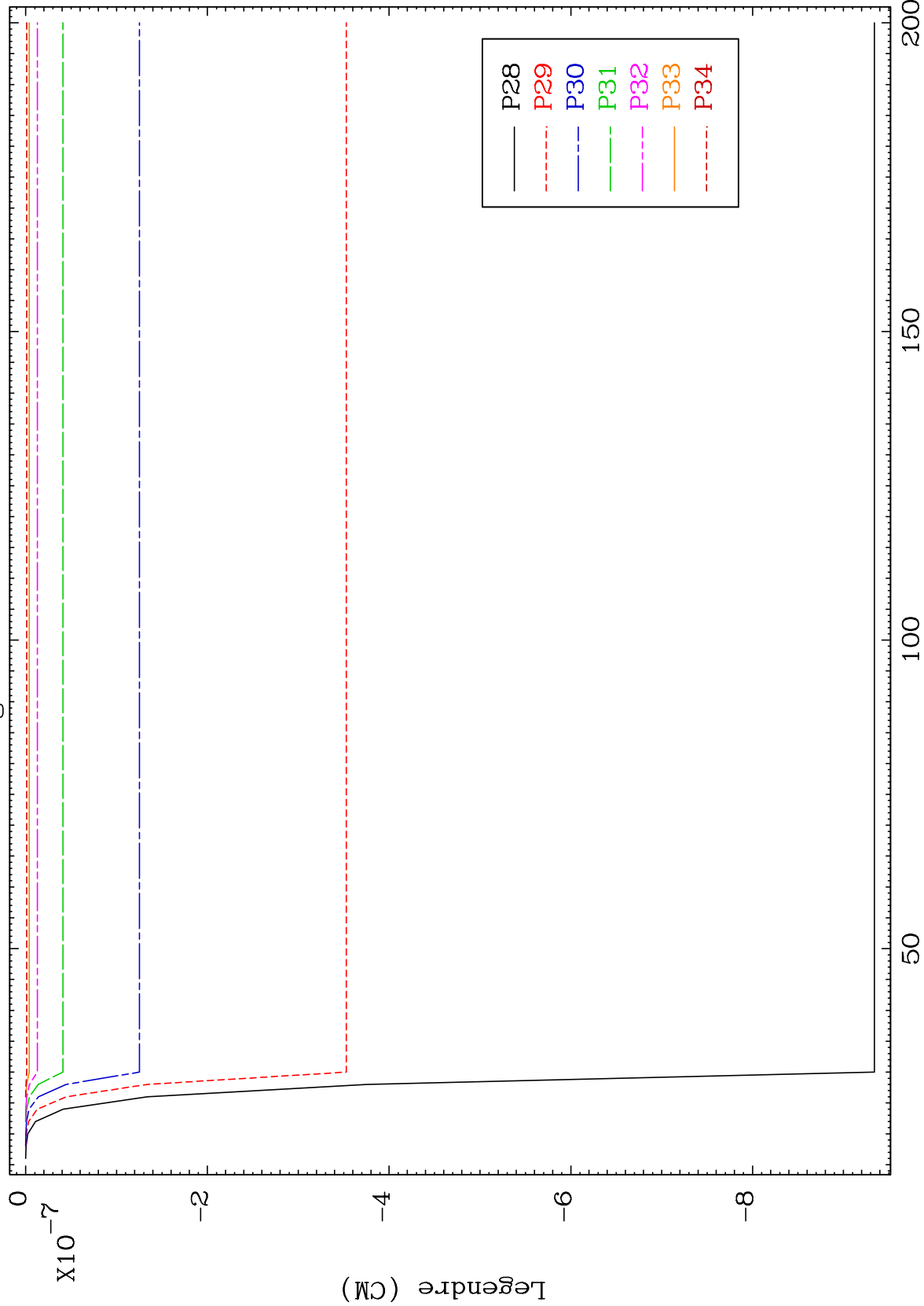
56-Ba-132

MAT 5631

MT= 66 (n,n') Level

56-Ba-132

Legendre Coefficients



56-Ba-132

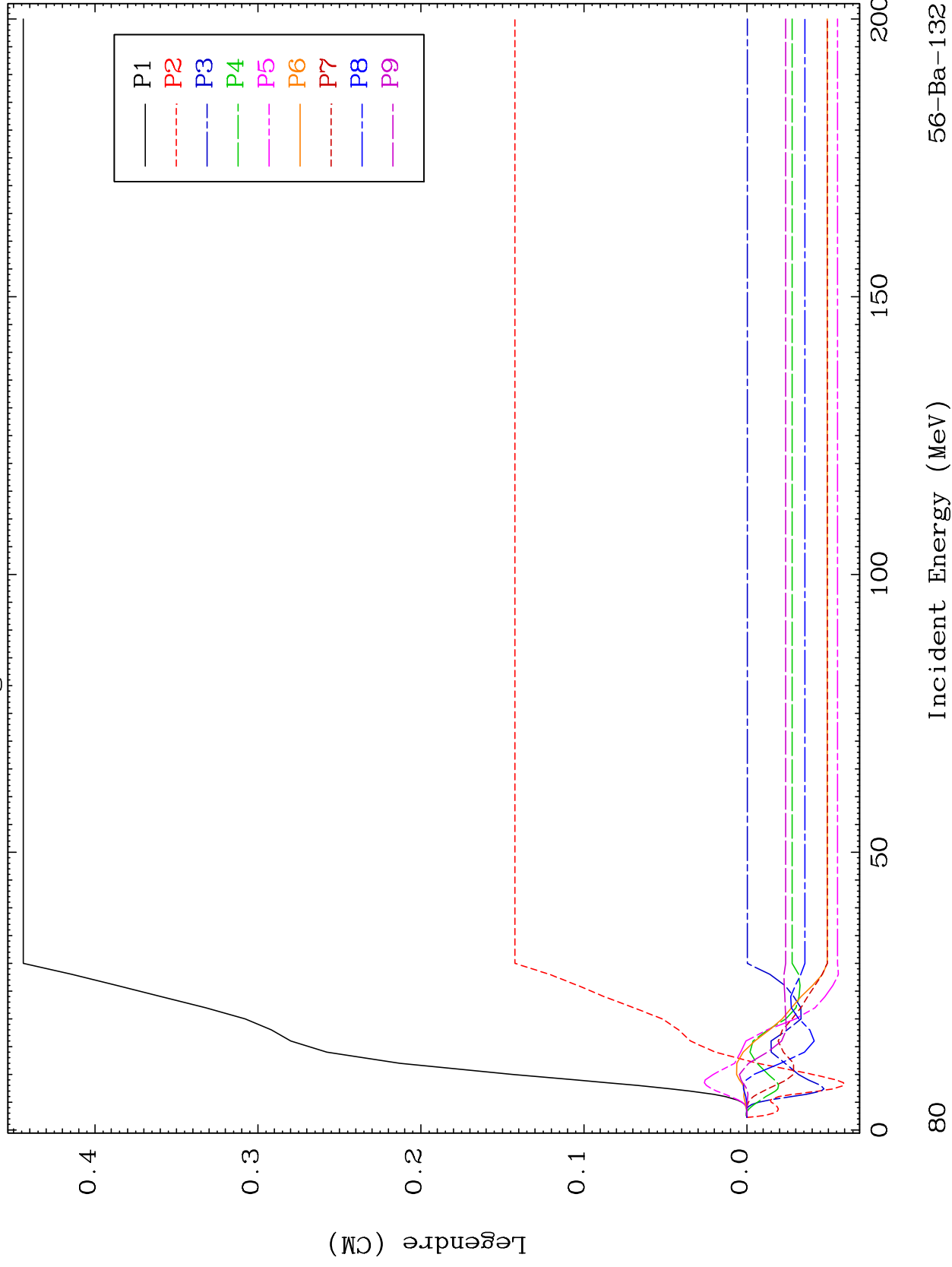
Incident Energy (MeV)

79

MAT 5631

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

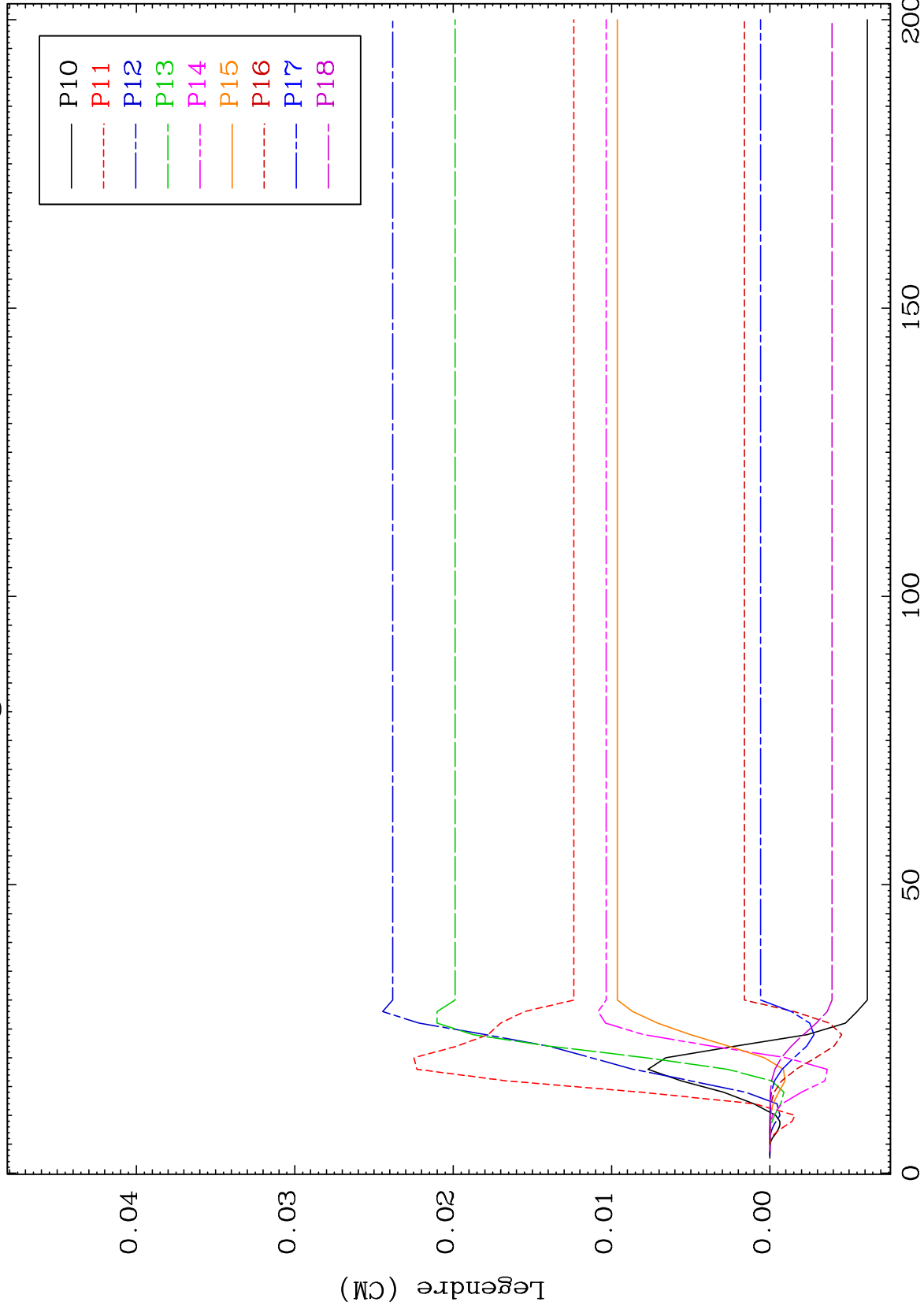
56-Ba-132



MAT 5631

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

56-Ba-132



81

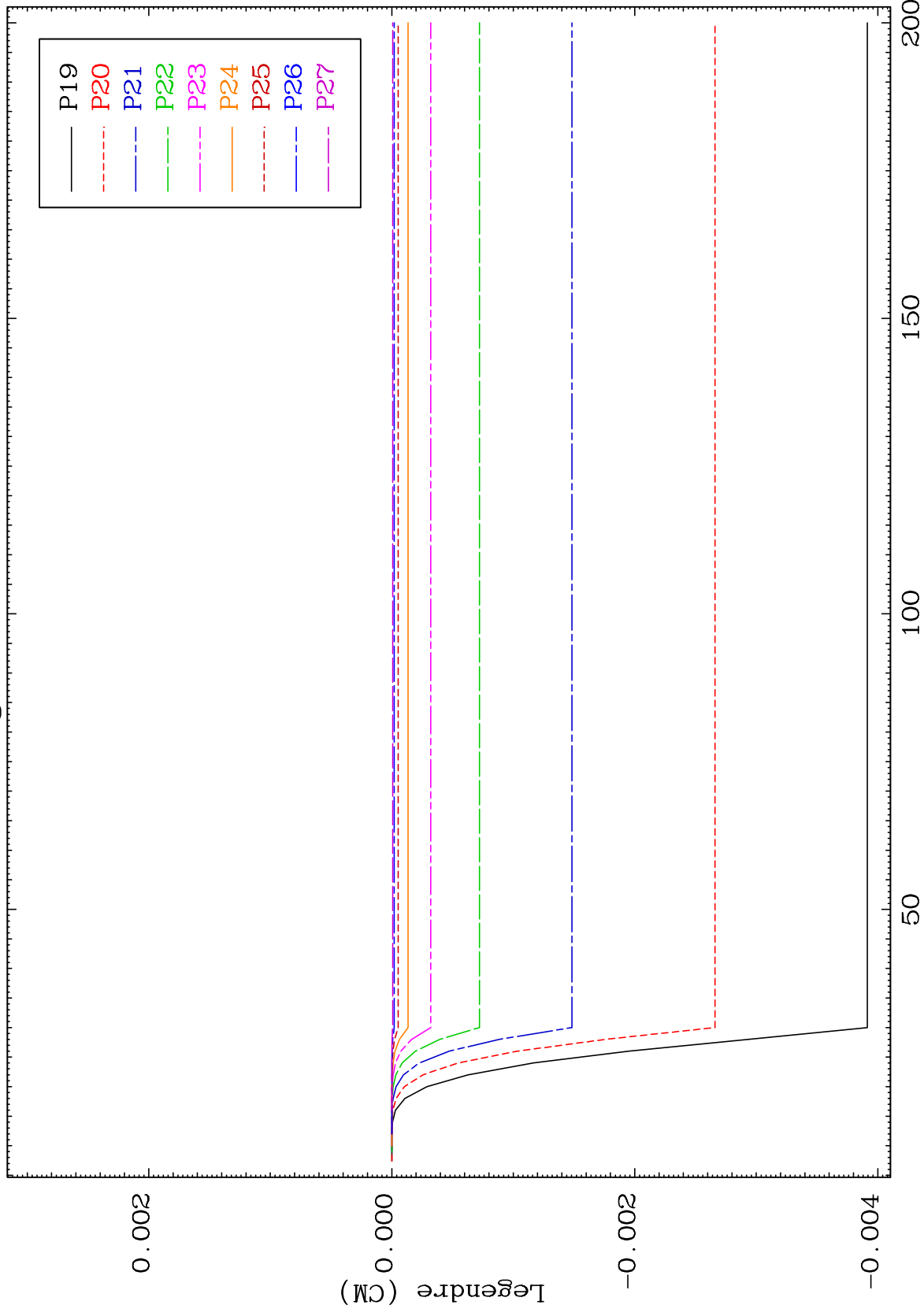
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

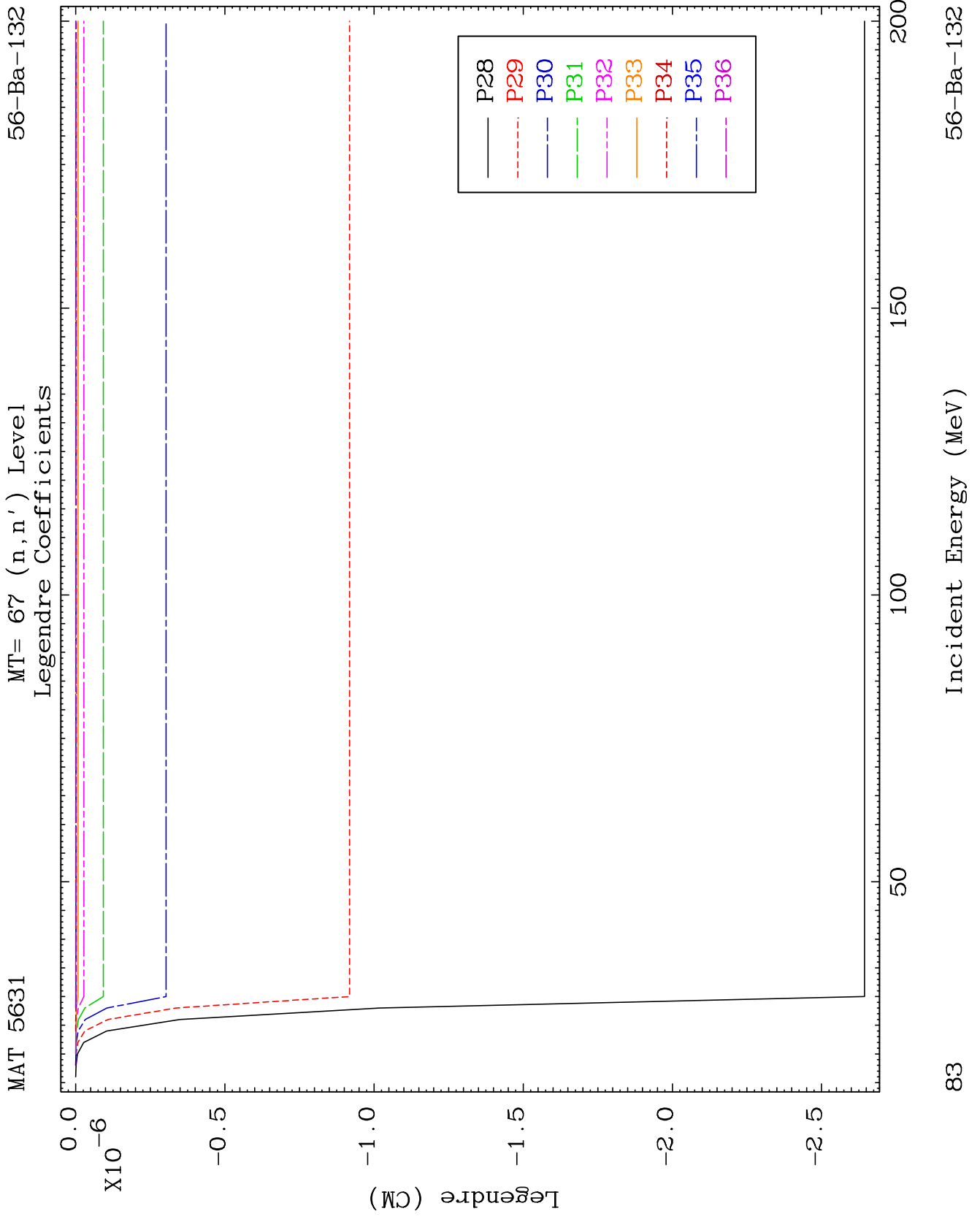
56-Ba-132



82

Incident Energy (MeV)

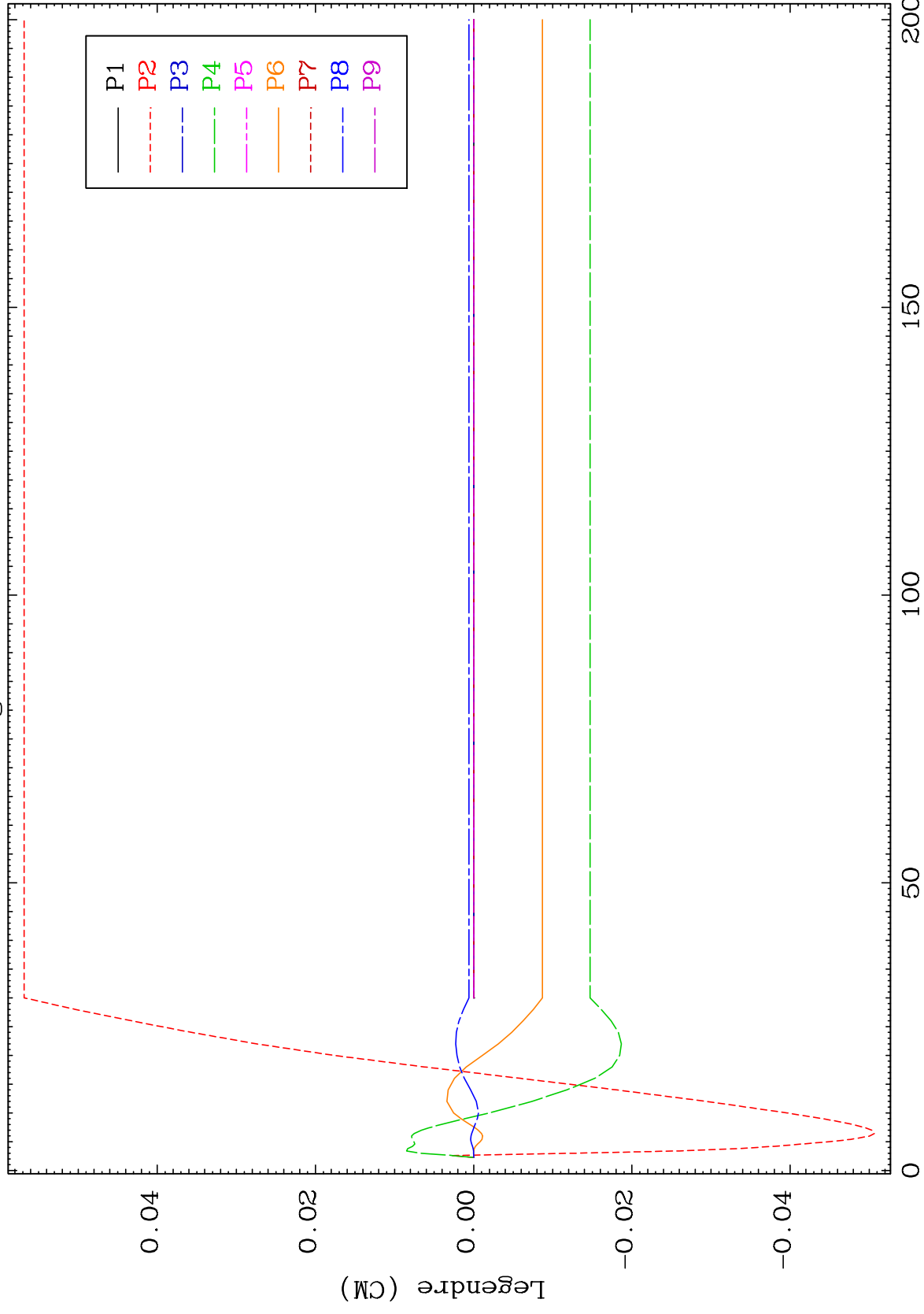
56-Ba-132



MAT 5631

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

56-Ba-132



84

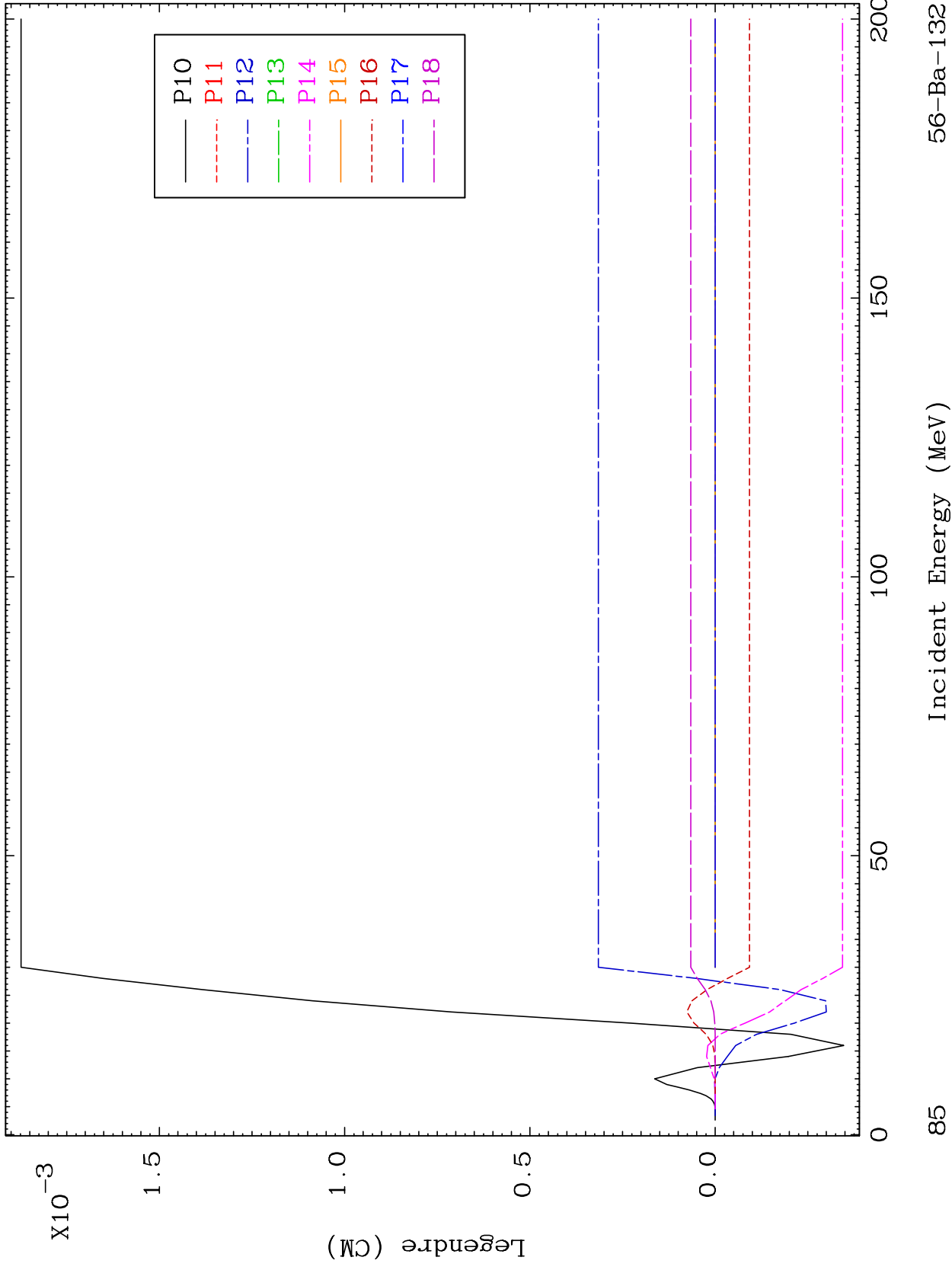
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

56-Ba-132



85

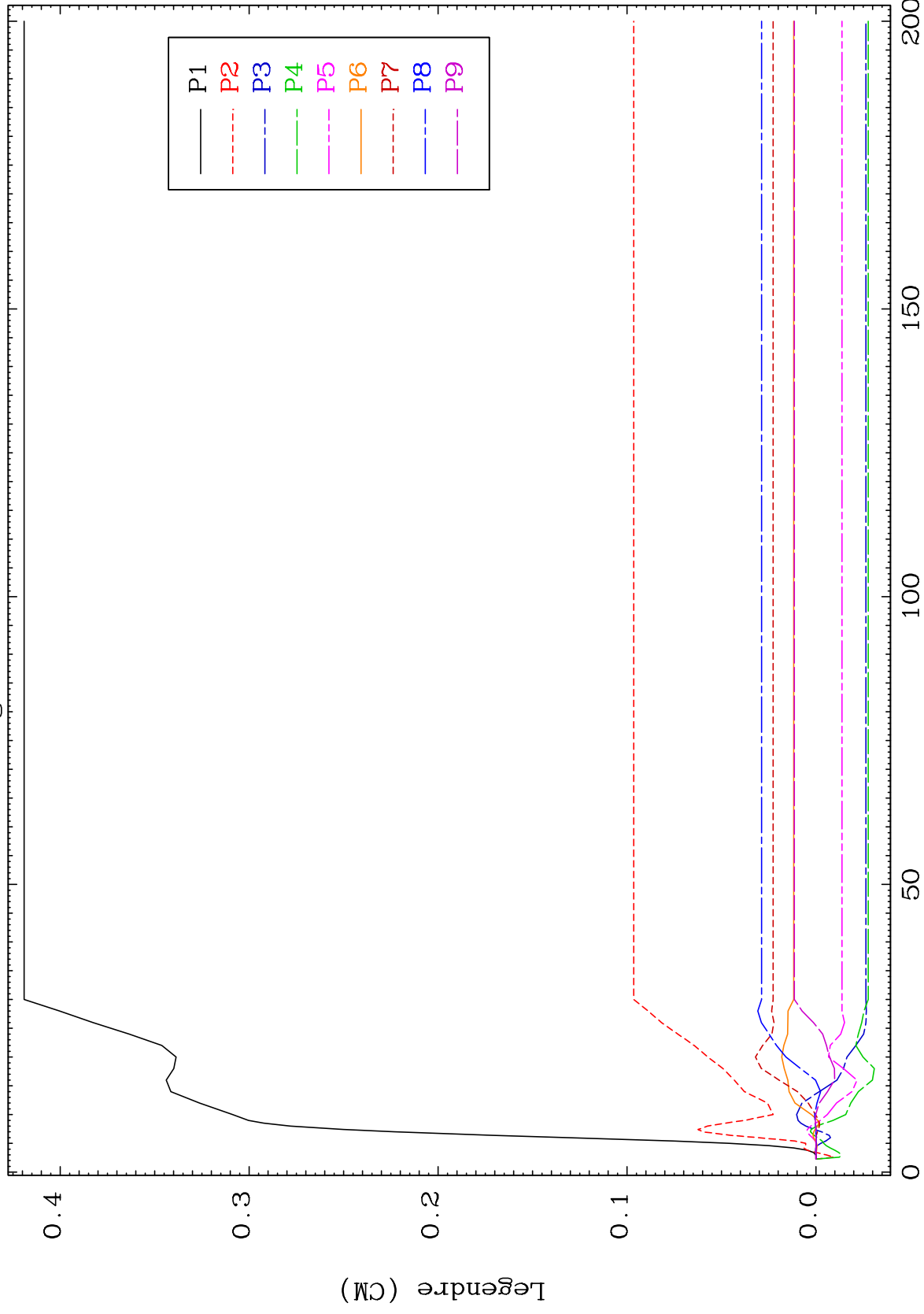
56-Ba-132

200

MAT 5631

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

56-Ba-132



87

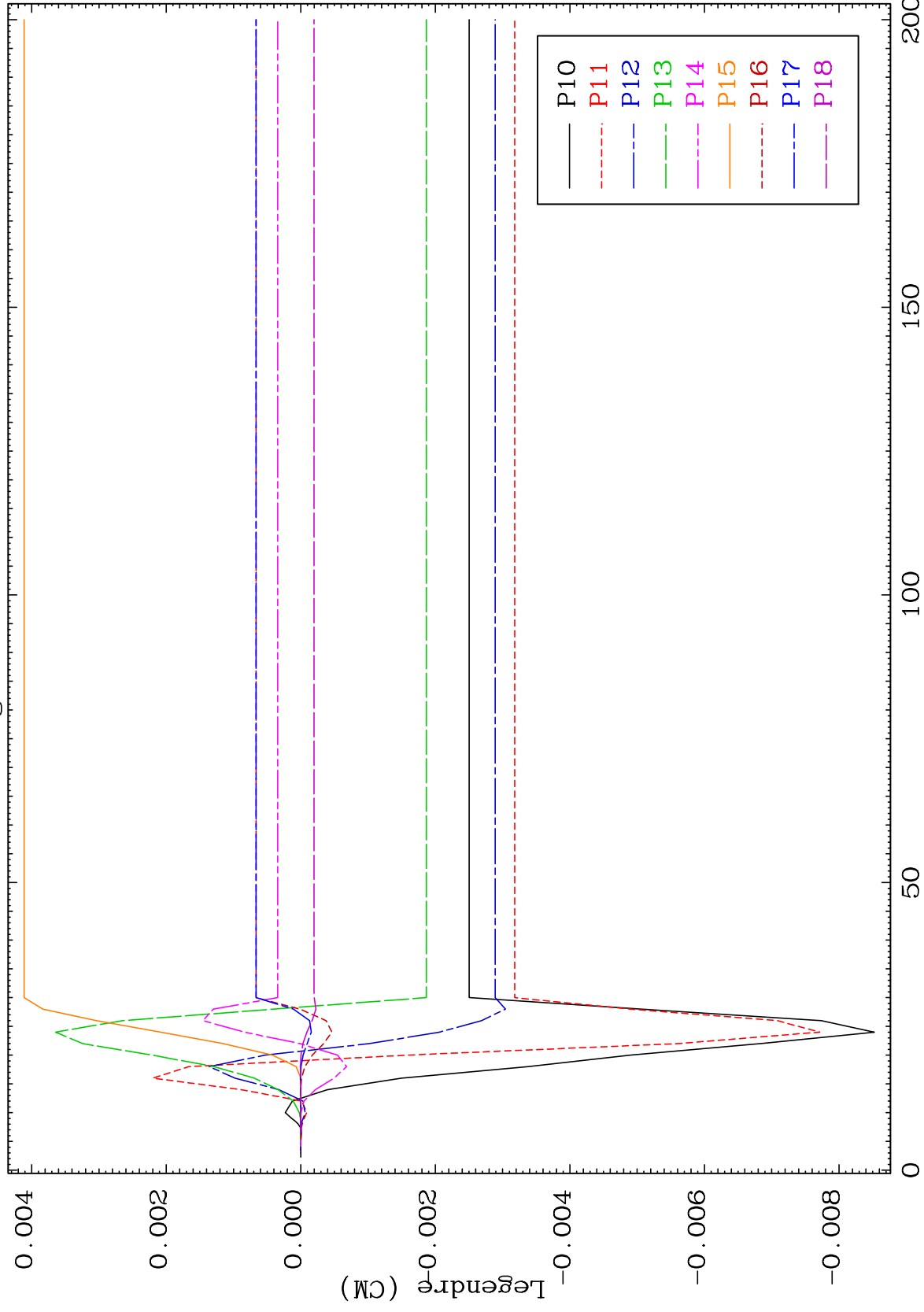
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

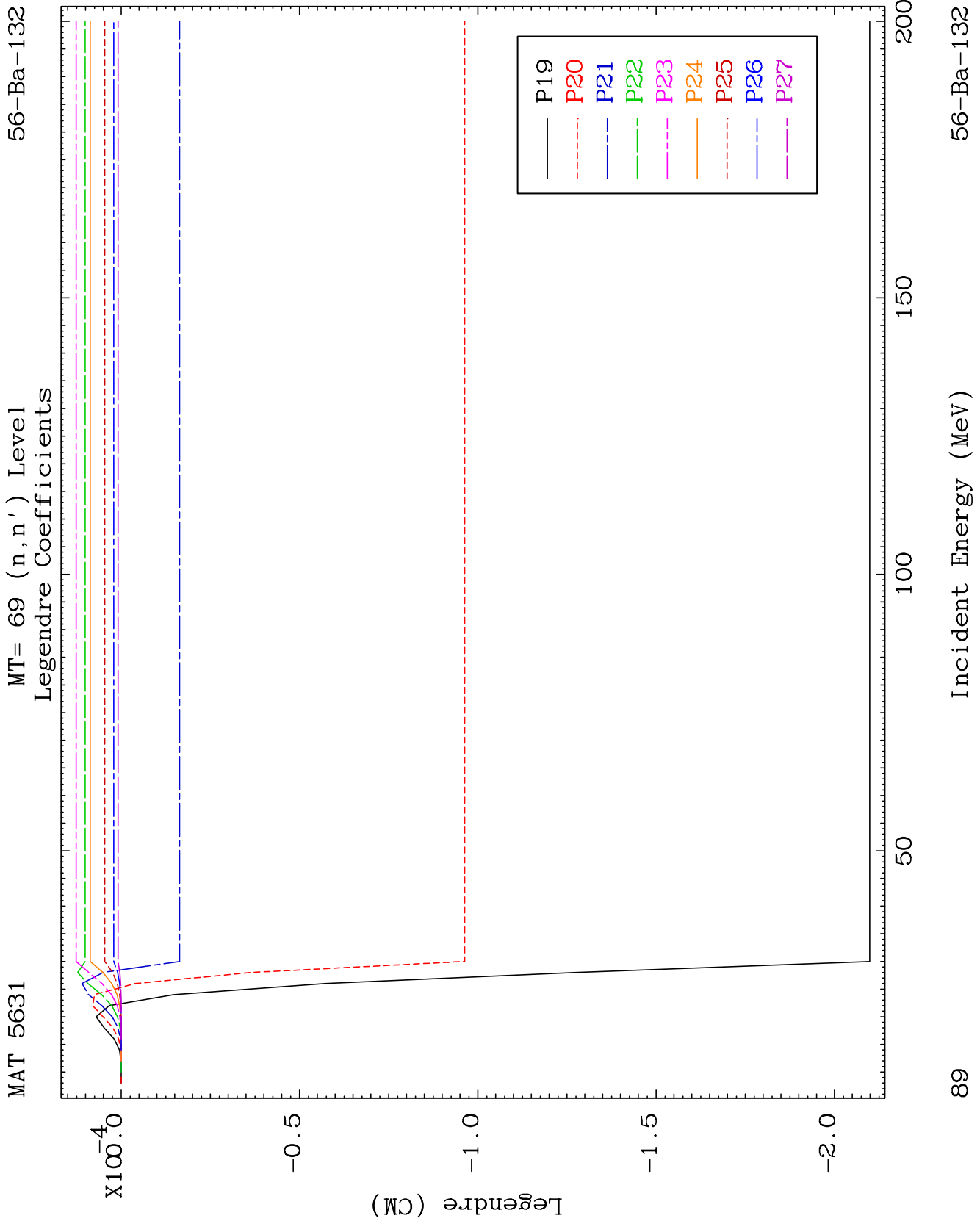
56-Ba-132



88

Incident Energy (MeV)

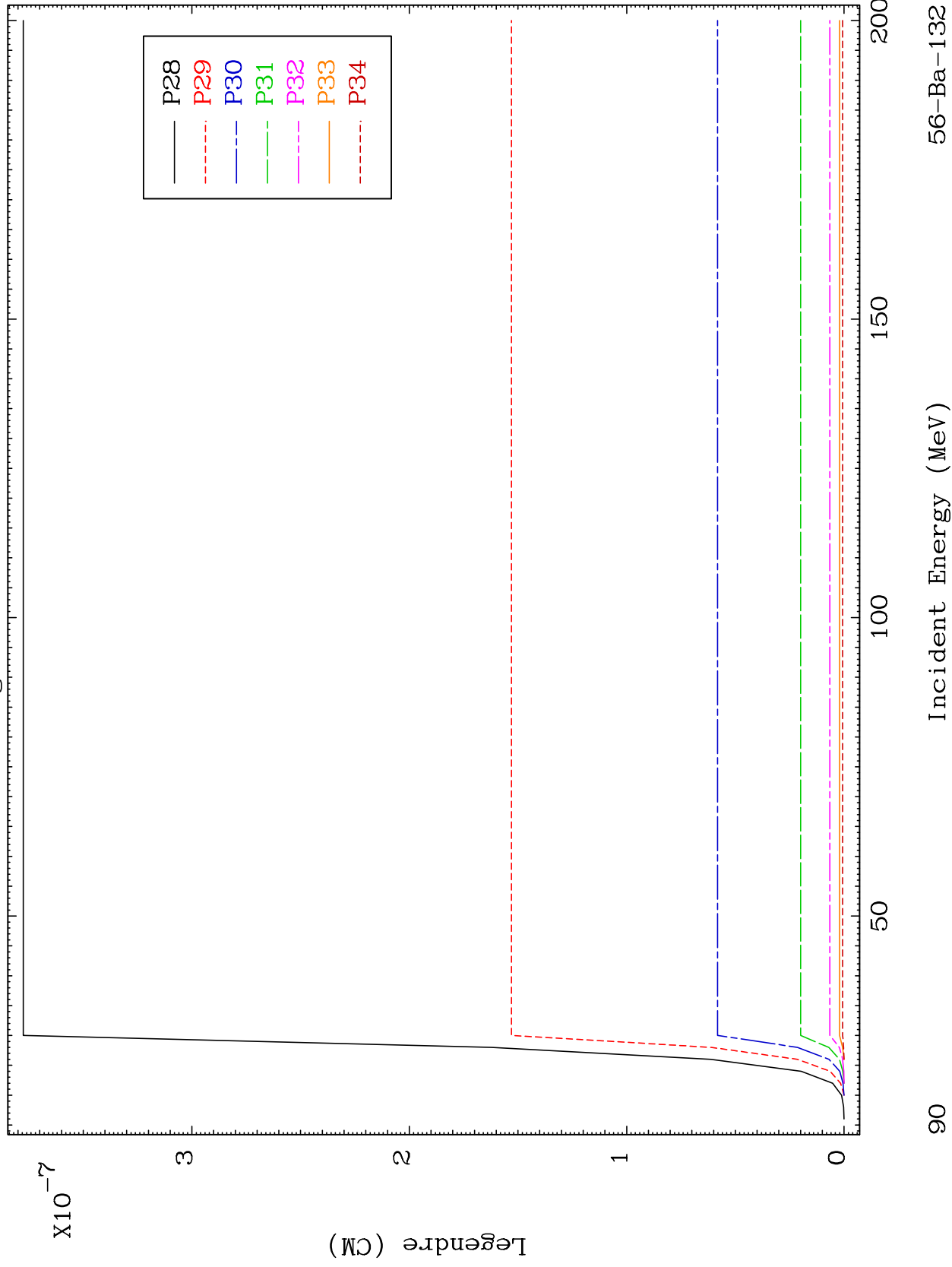
56-Ba-132

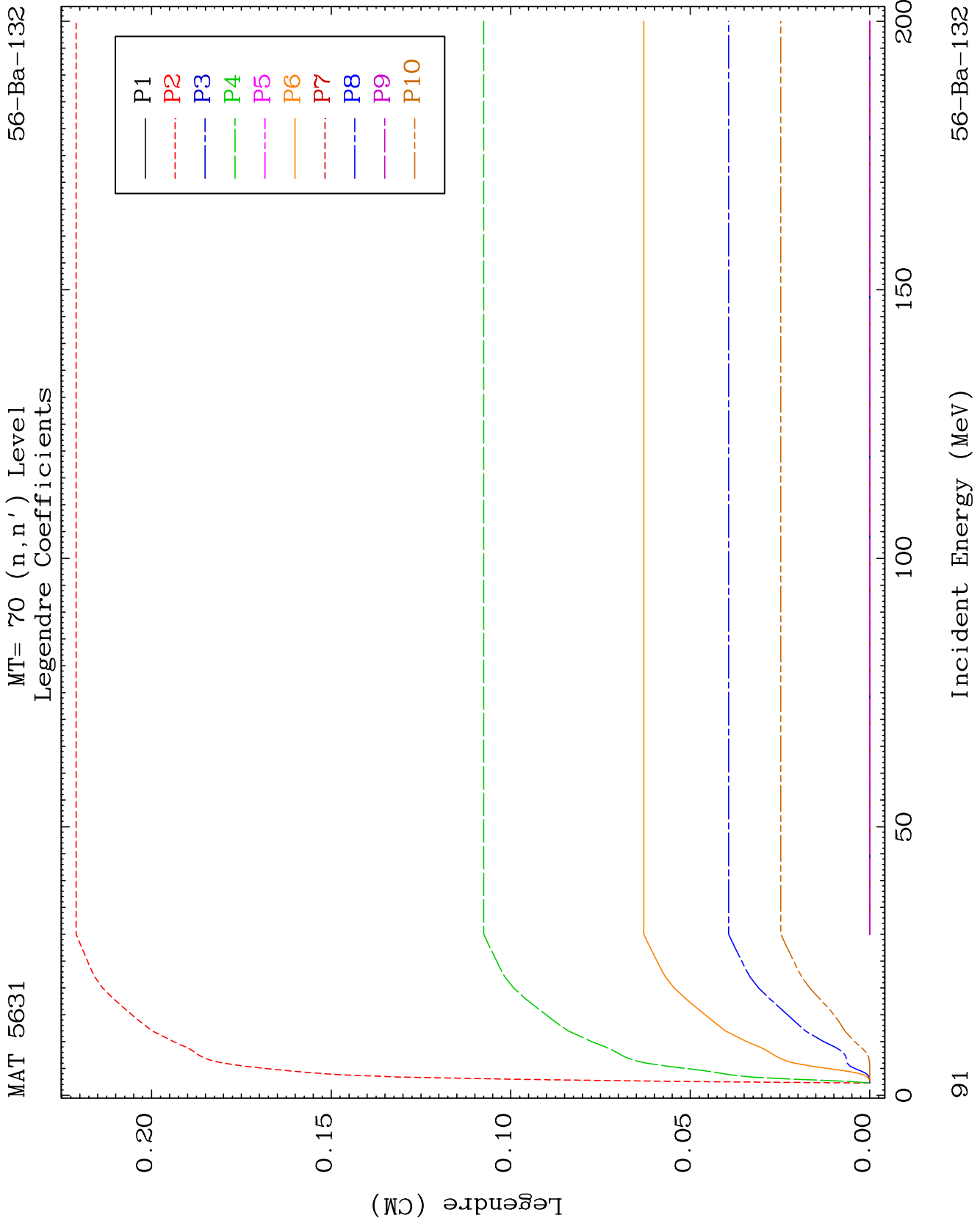


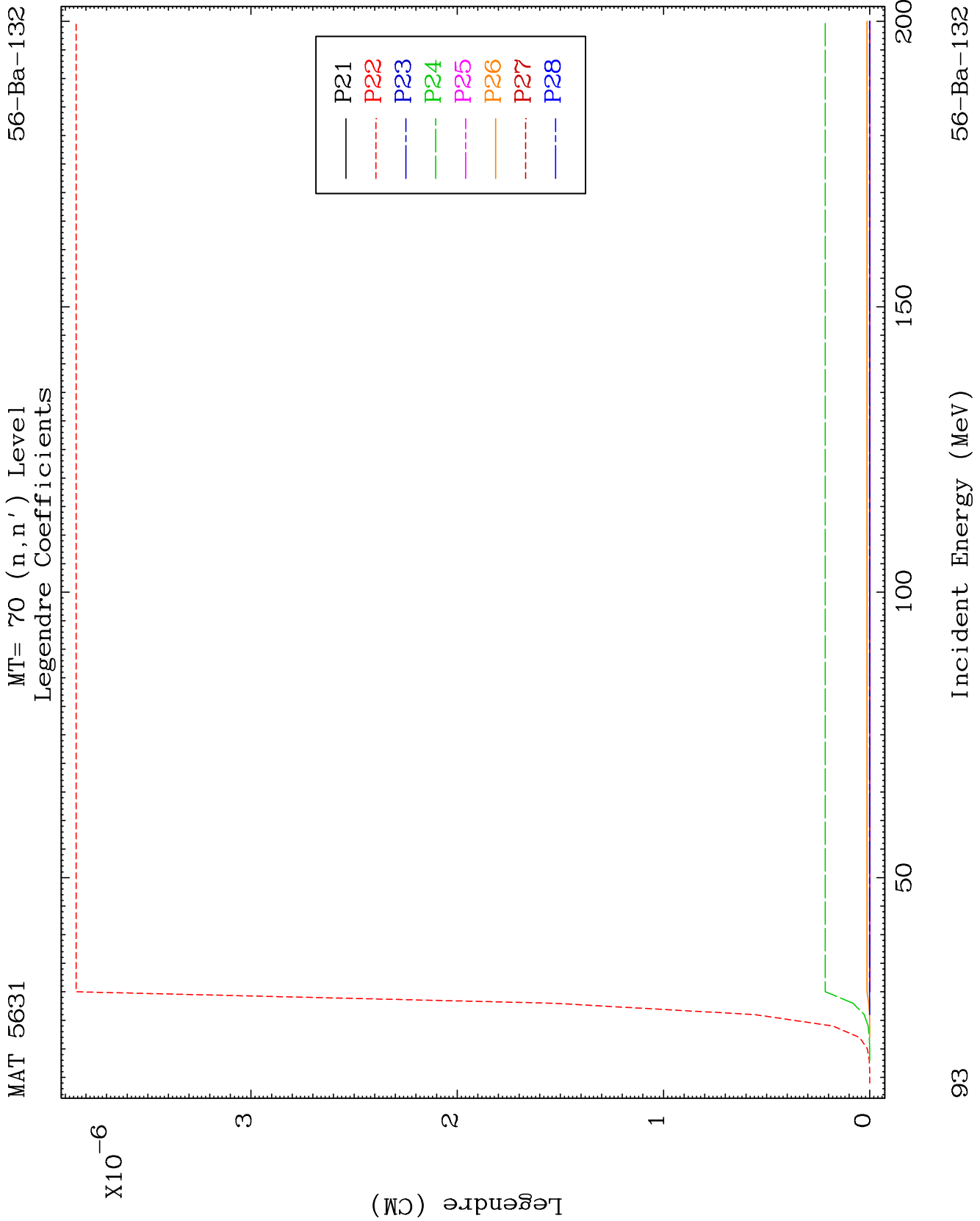
MAT 5631

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

56-Ba-132



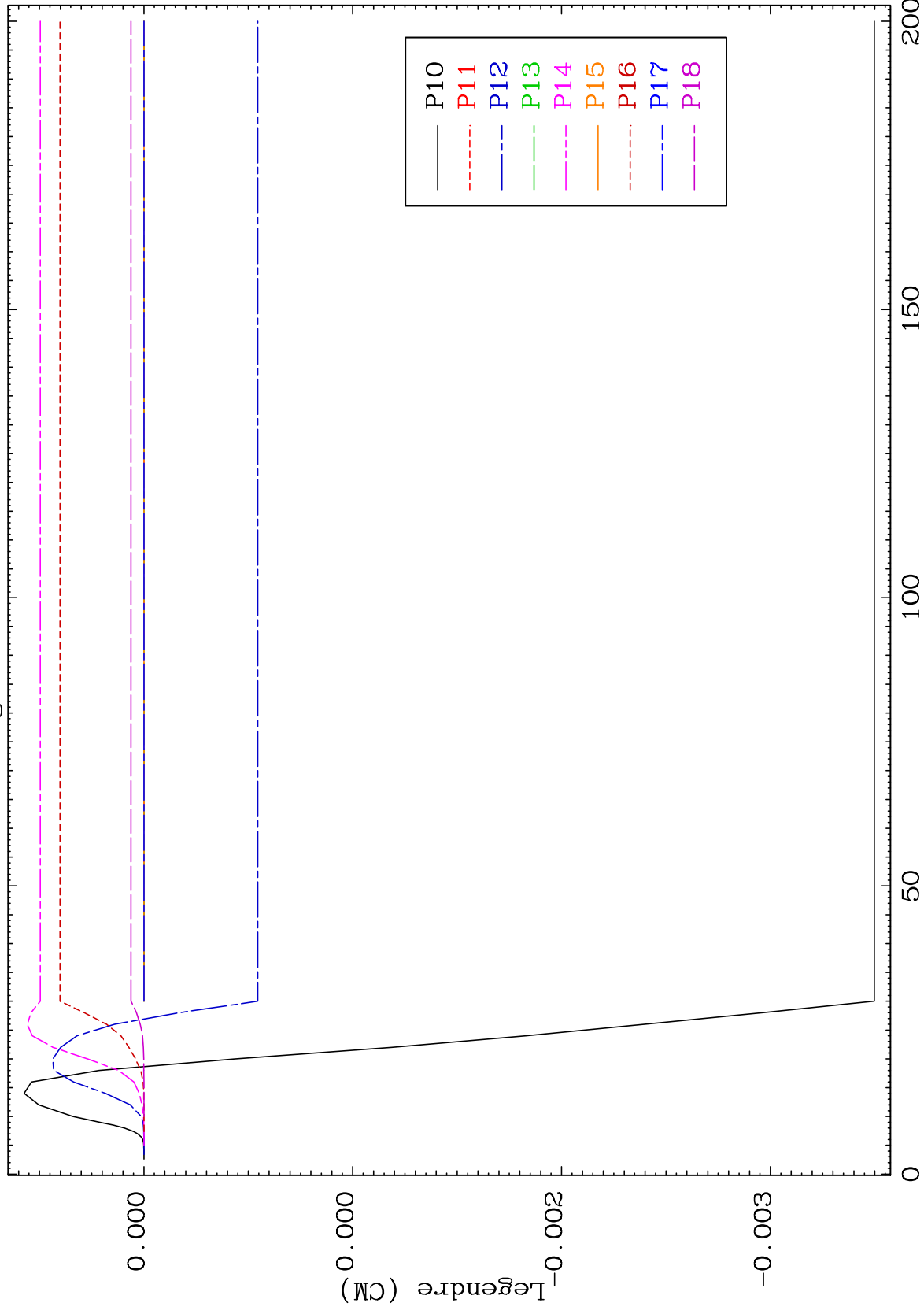




MAT 5631

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

56-Ba-132



95

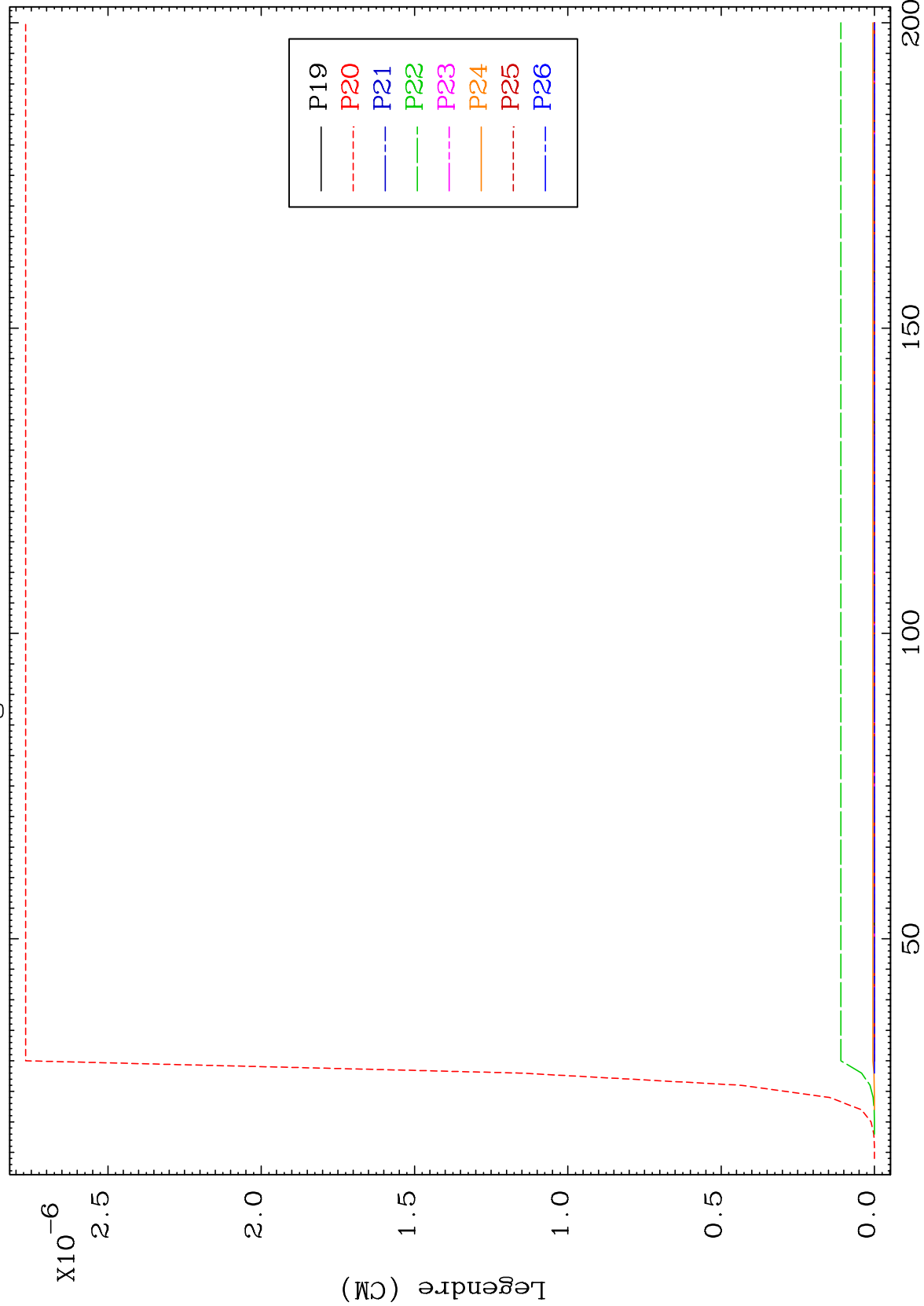
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

56-Ba-132



56-Ba-132

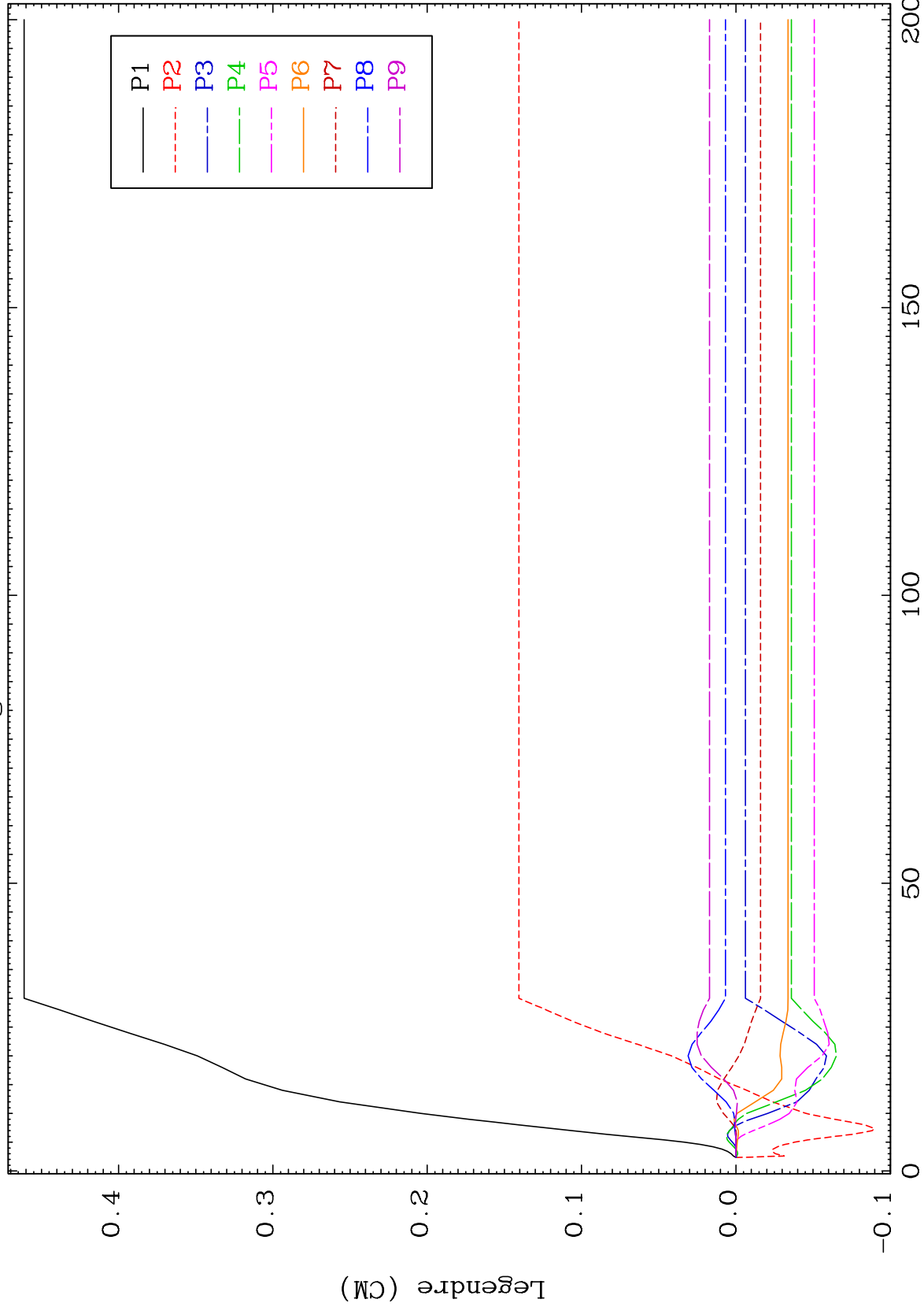
Incident Energy (MeV)

96

MAT 5631

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

56-Ba-132



97

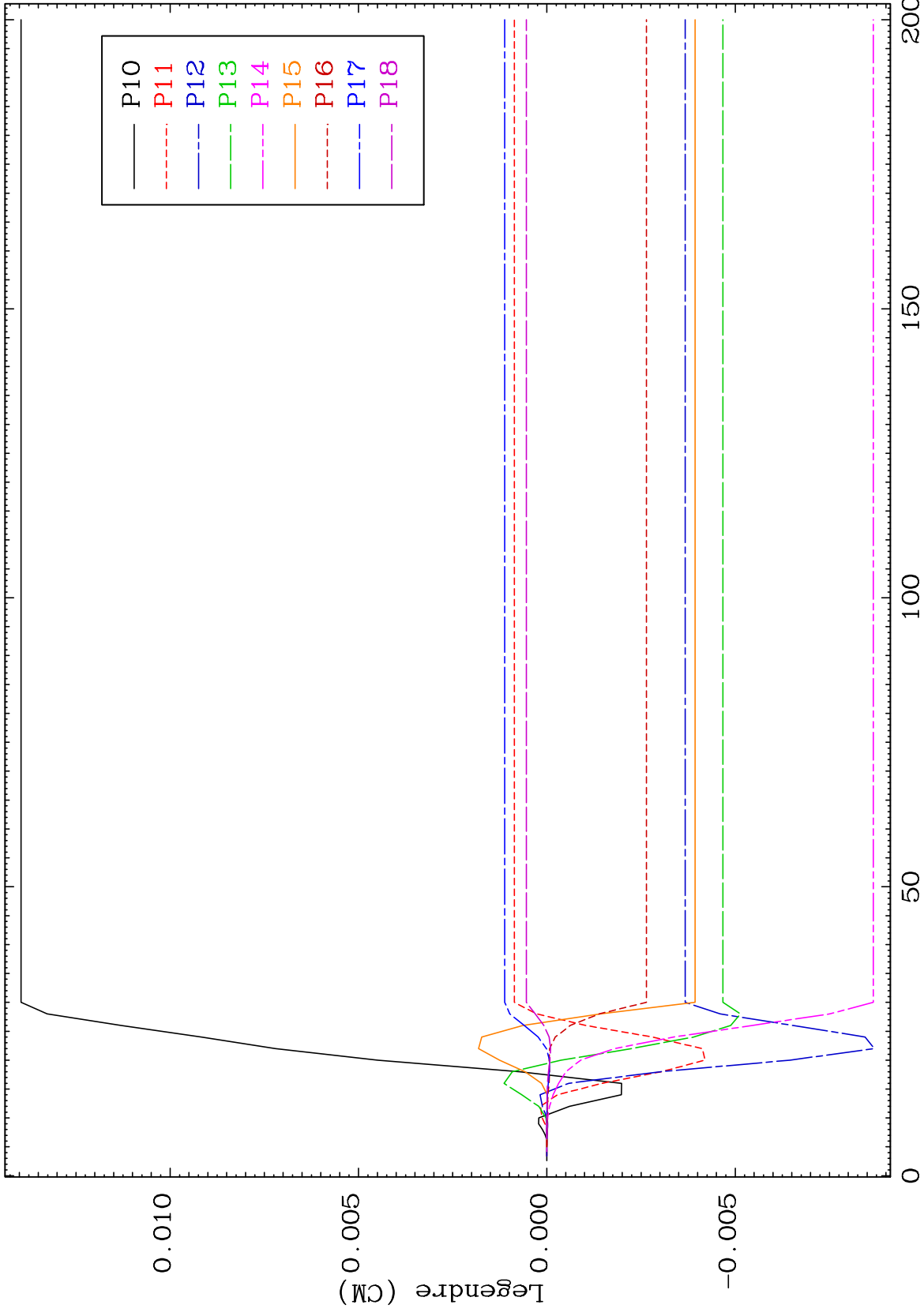
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

56-Ba-132



98

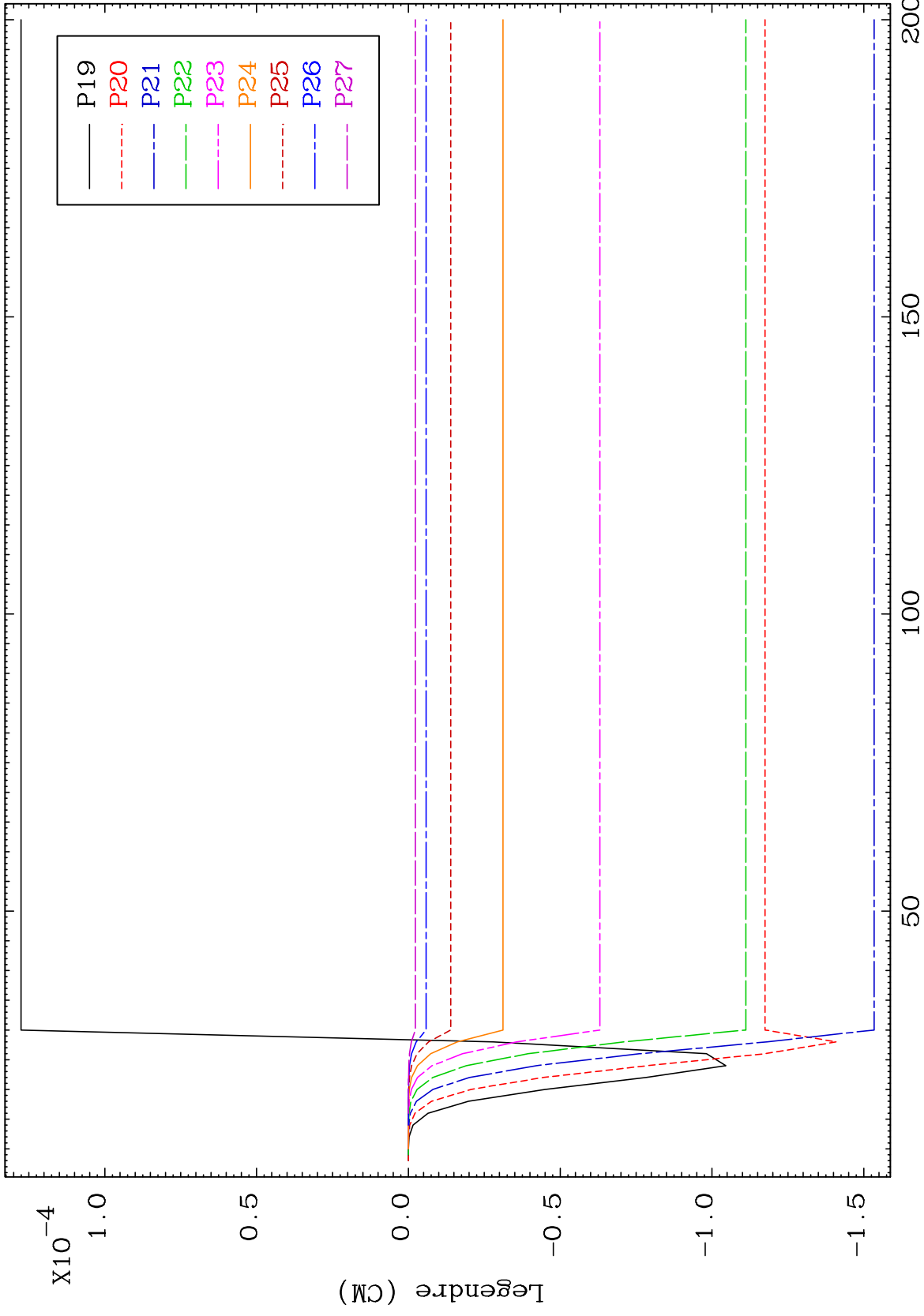
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

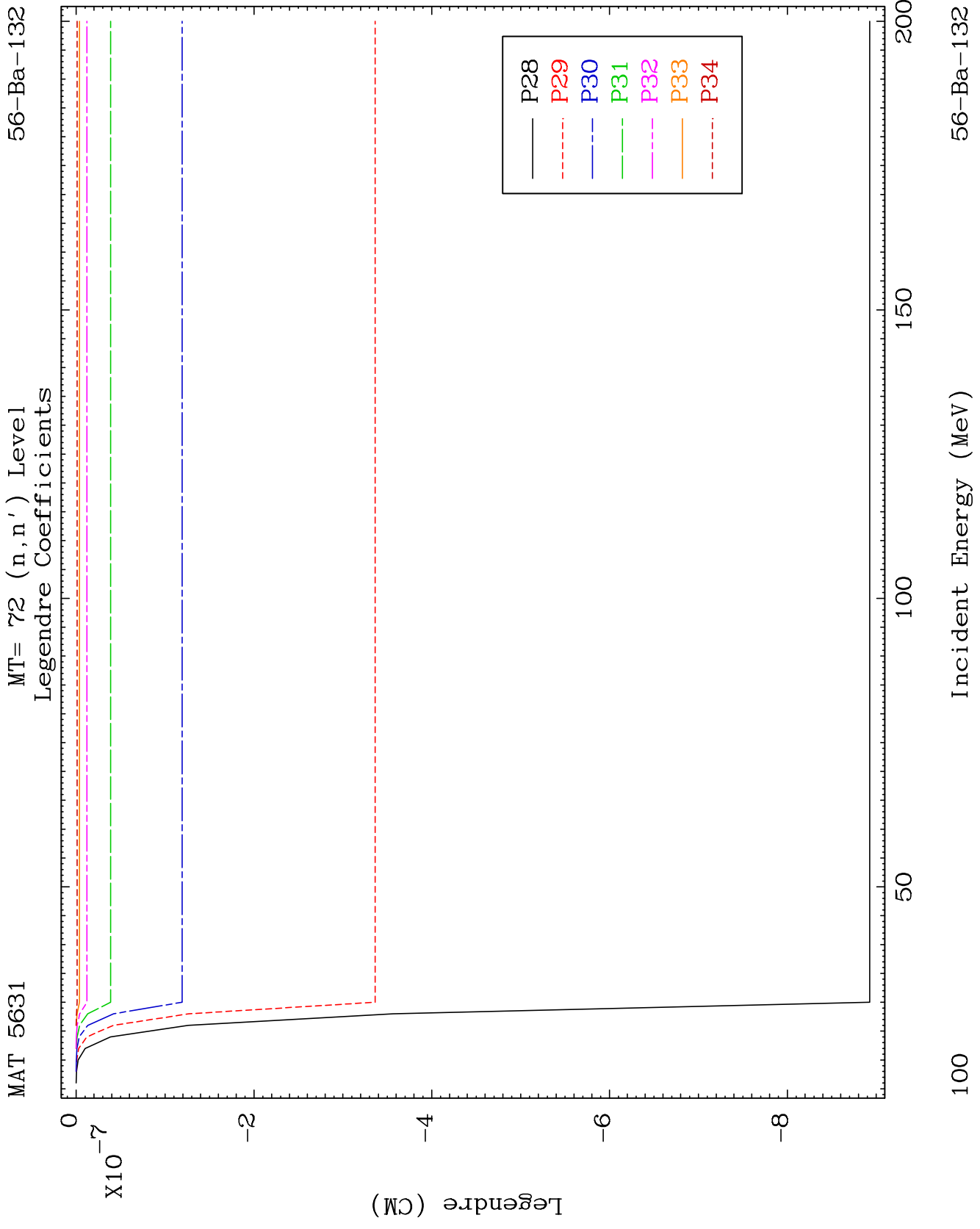
56-Ba-132

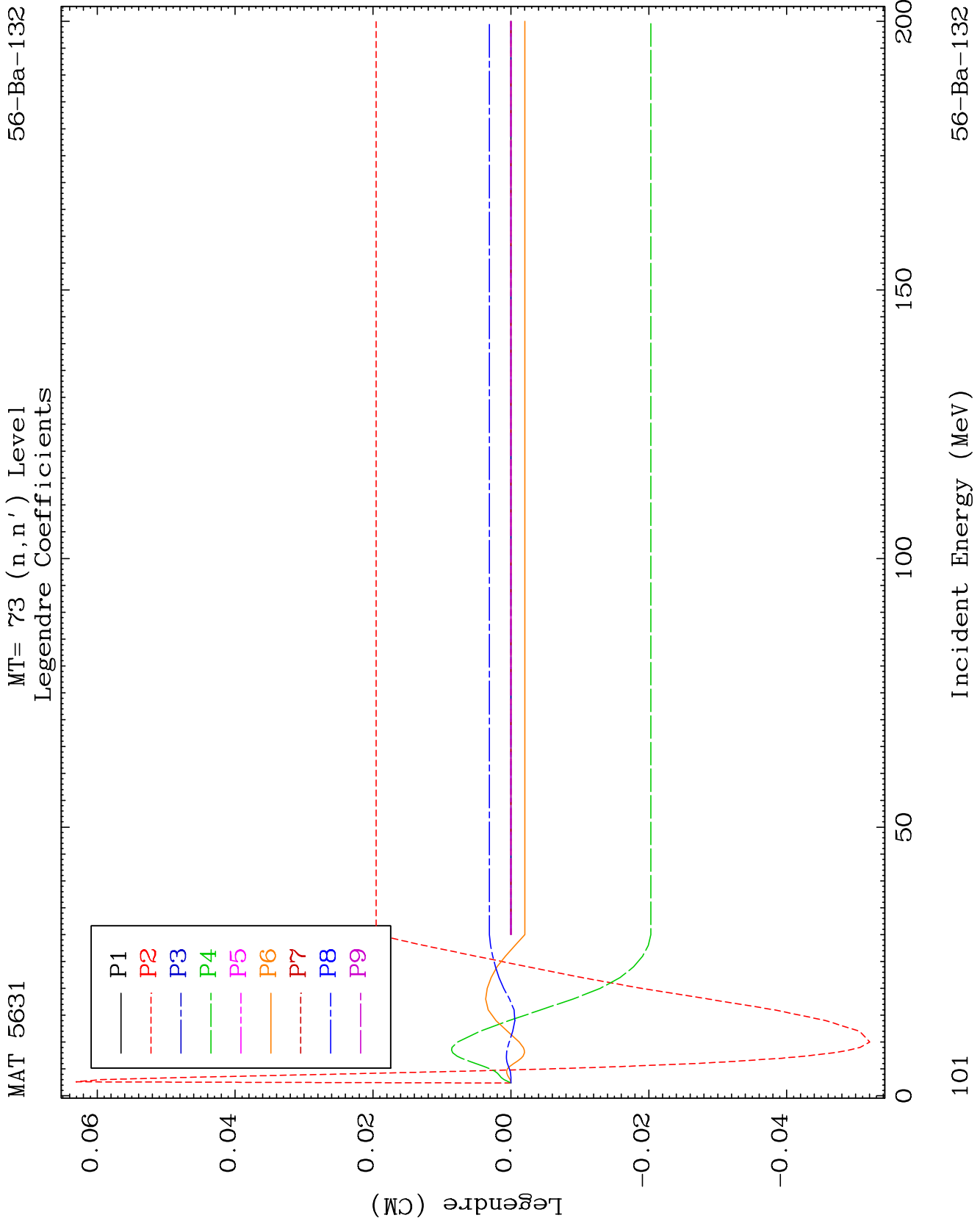


99

56-Ba-132

56-Ba-132

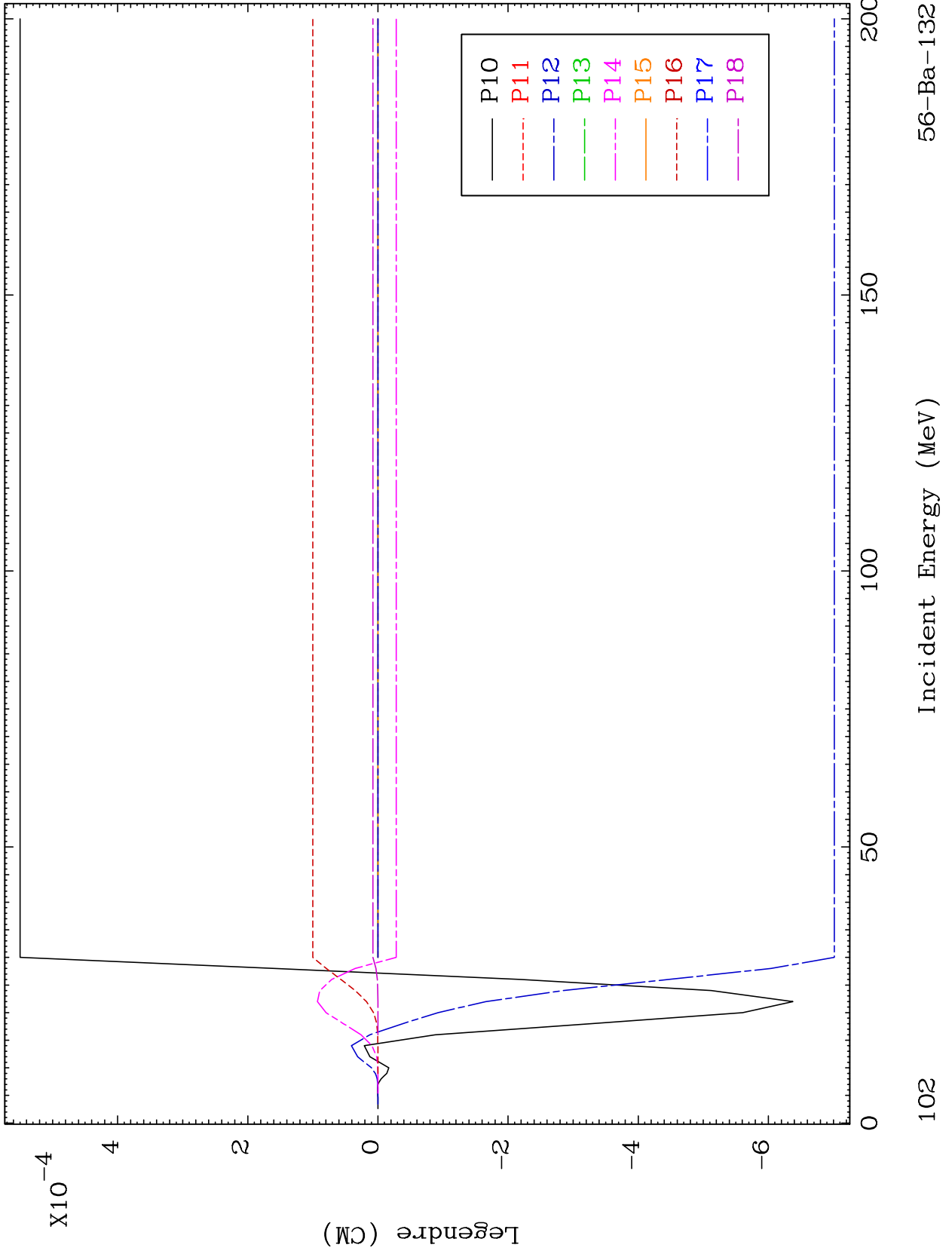


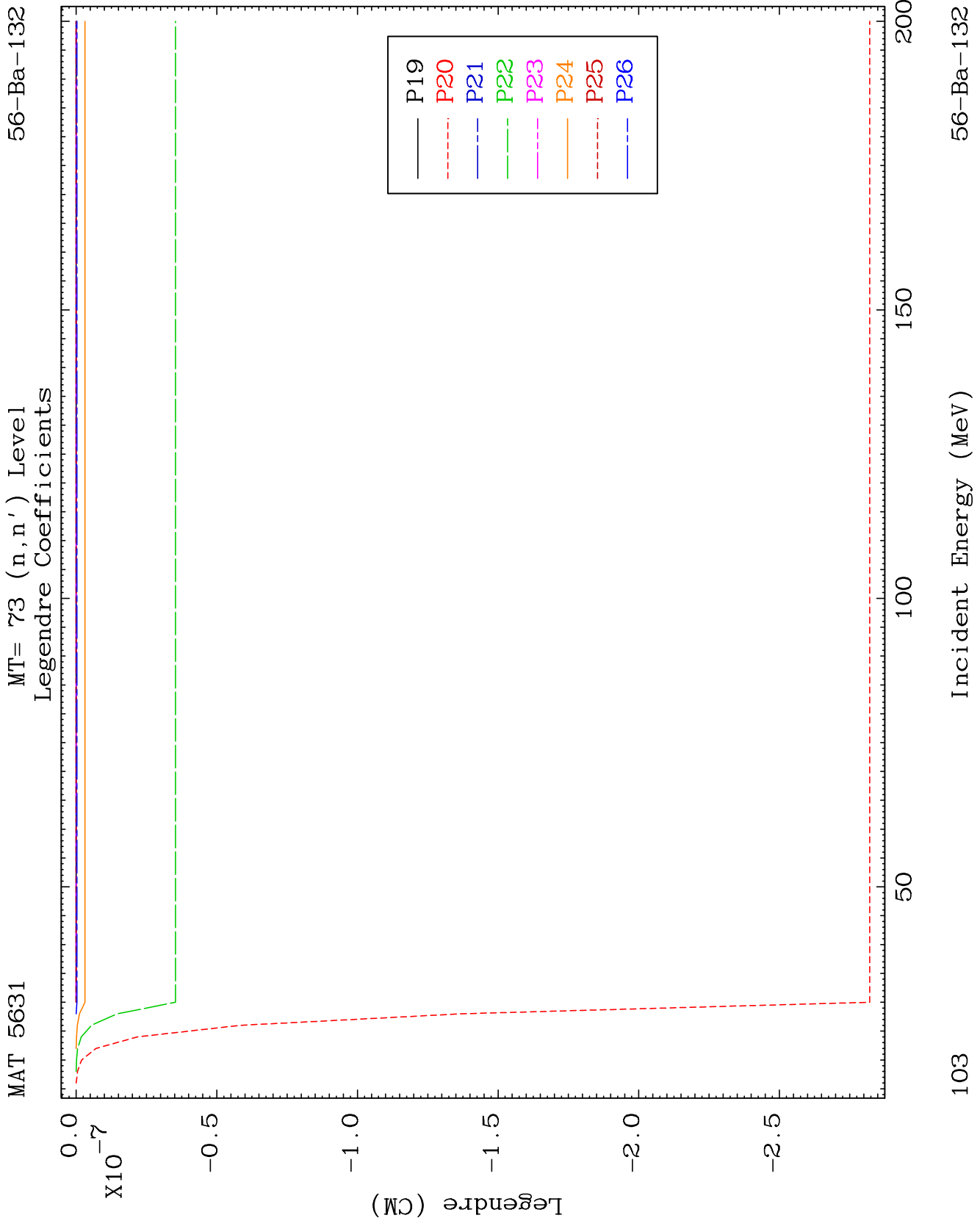


MAT 5631

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

56-Ba-132

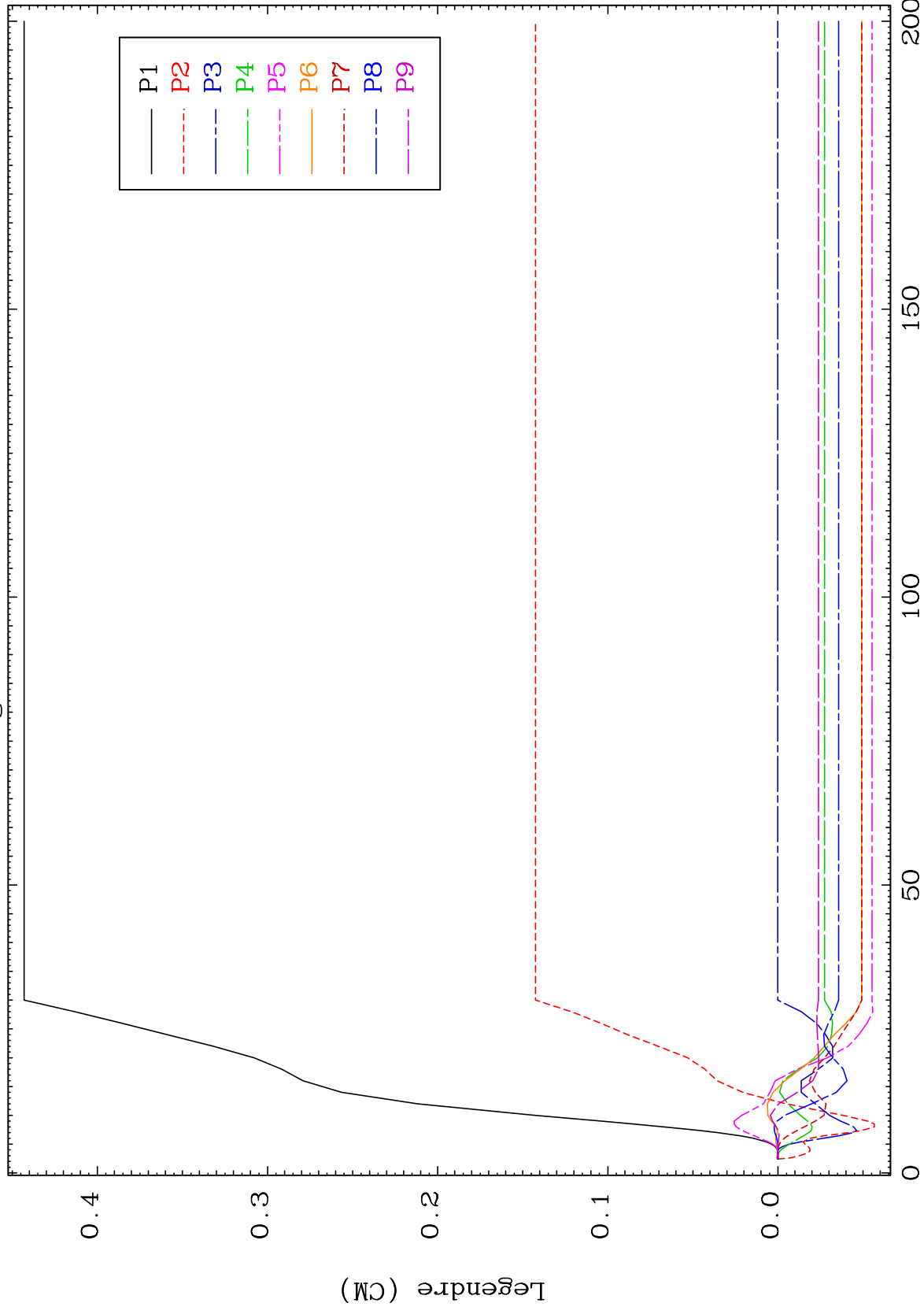




MAT 5631

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

56-Ba-132



104

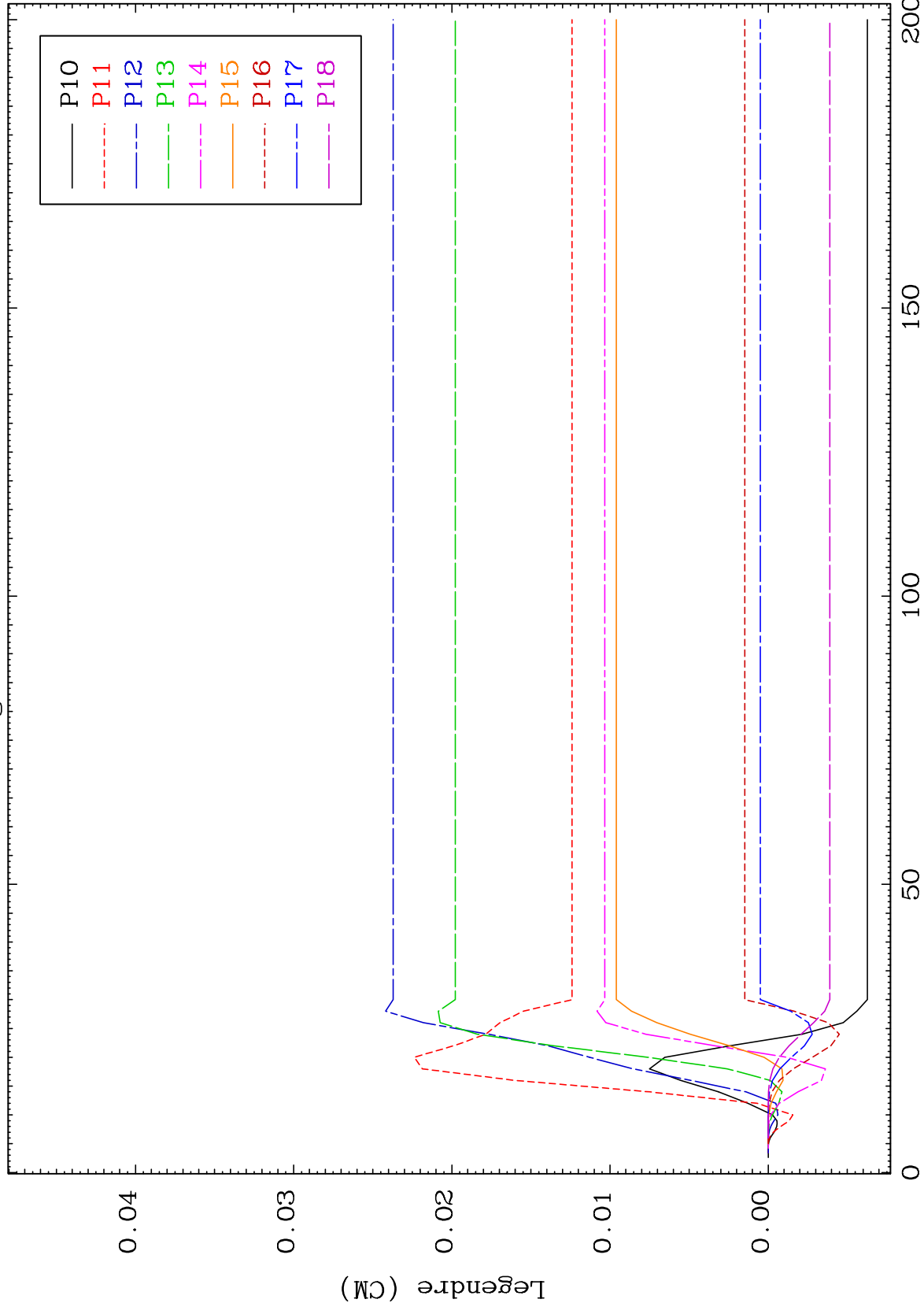
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

56-Ba-132



105

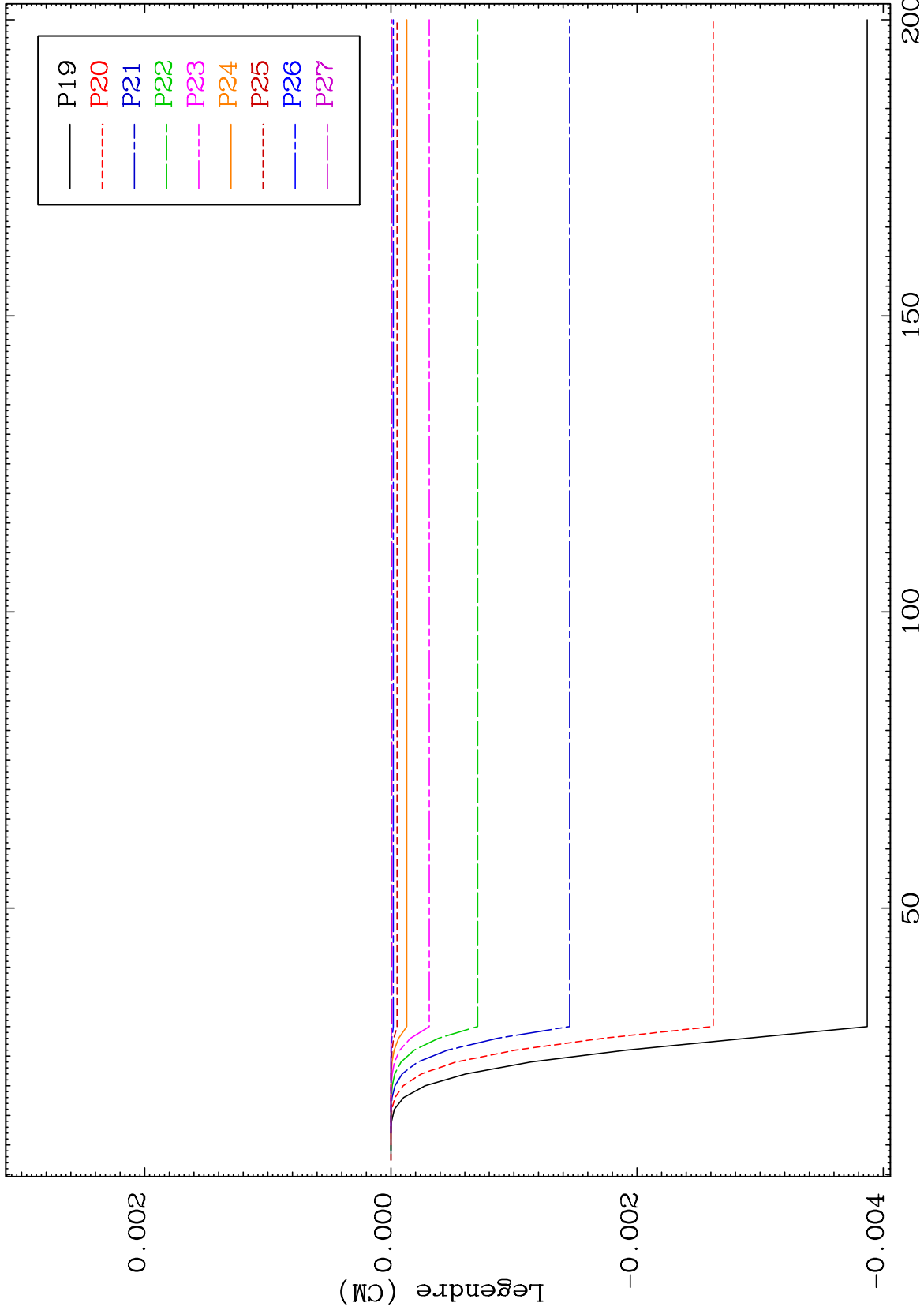
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

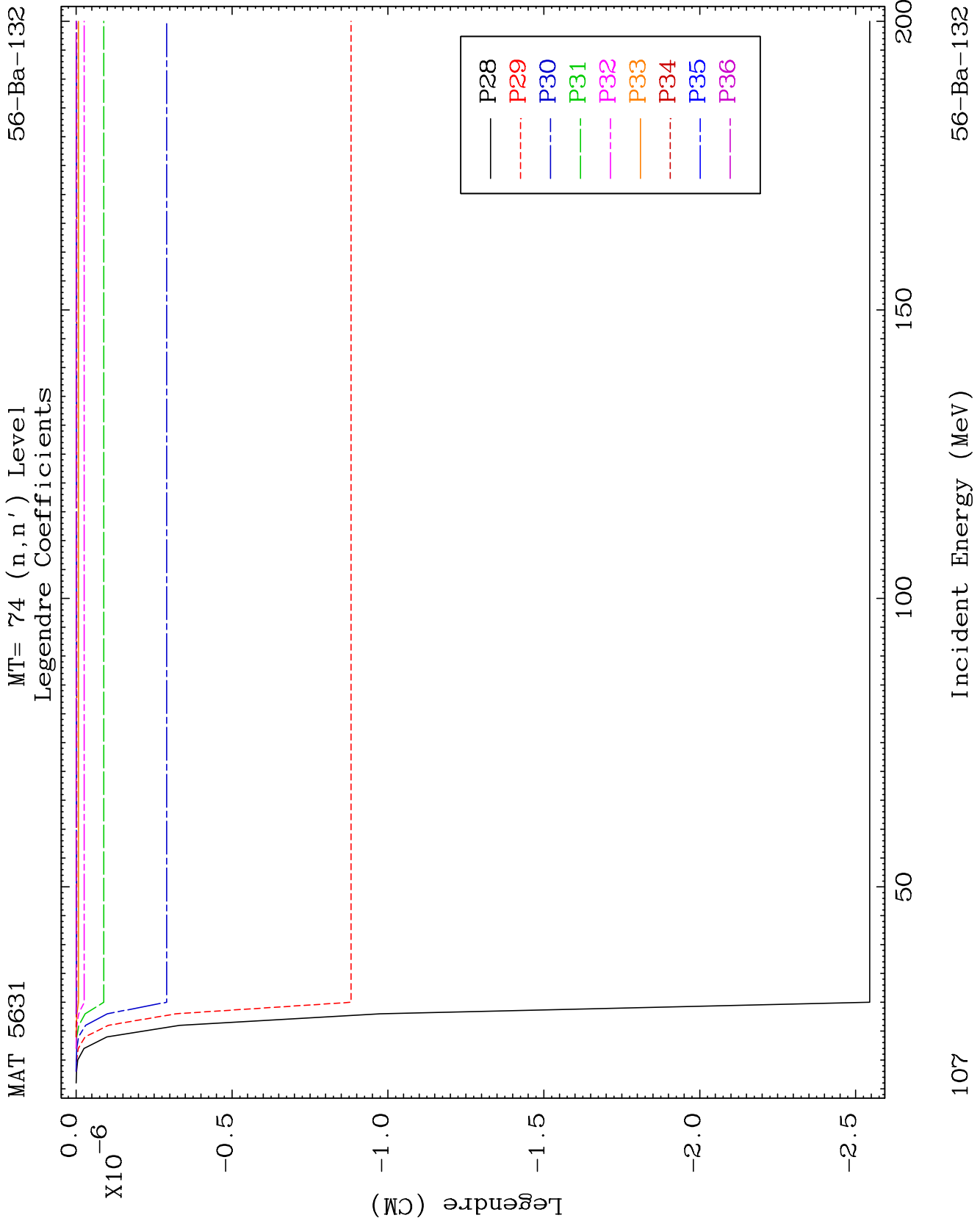
56-Ba-132

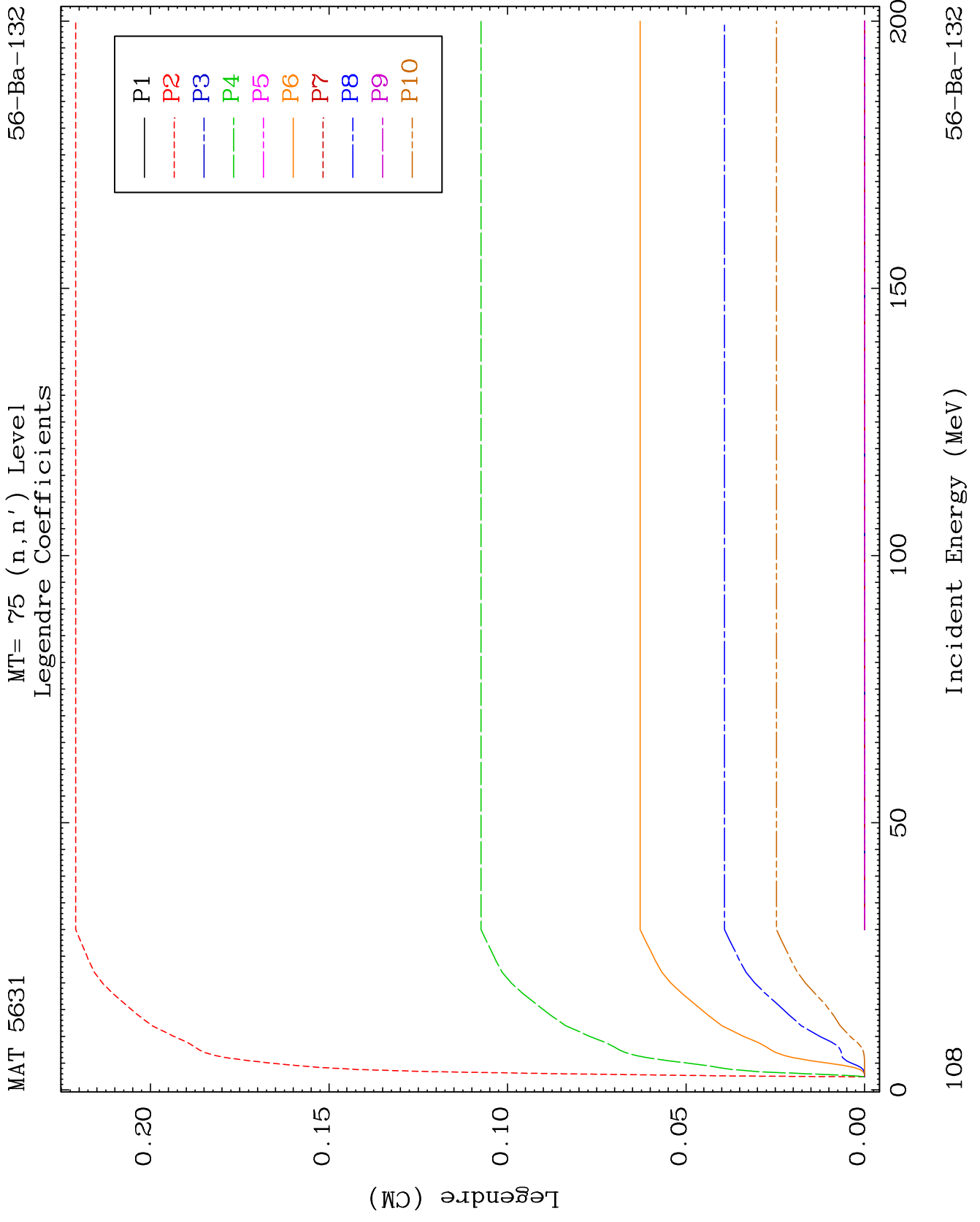


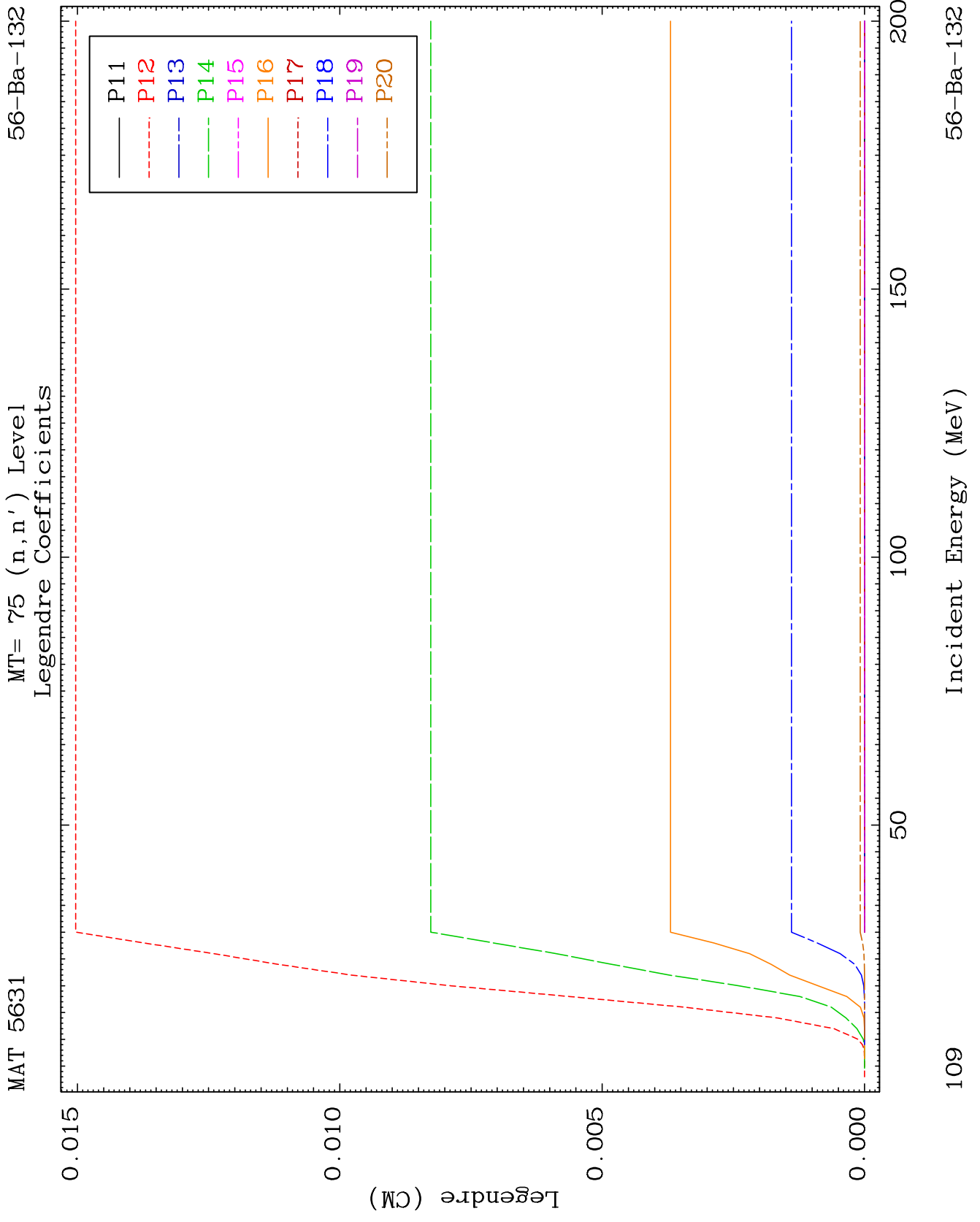
106

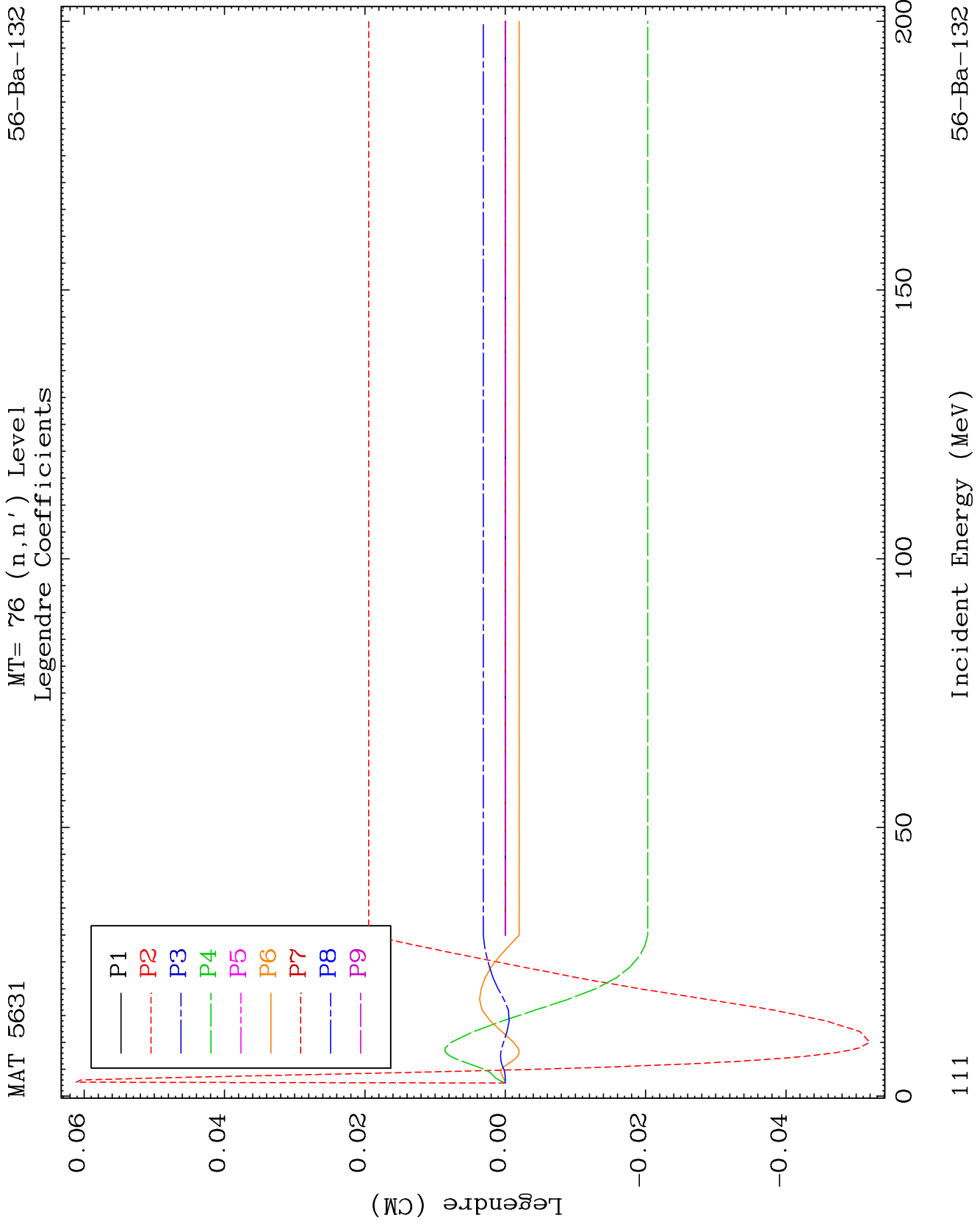
Incident Energy (MeV)

56-Ba-132





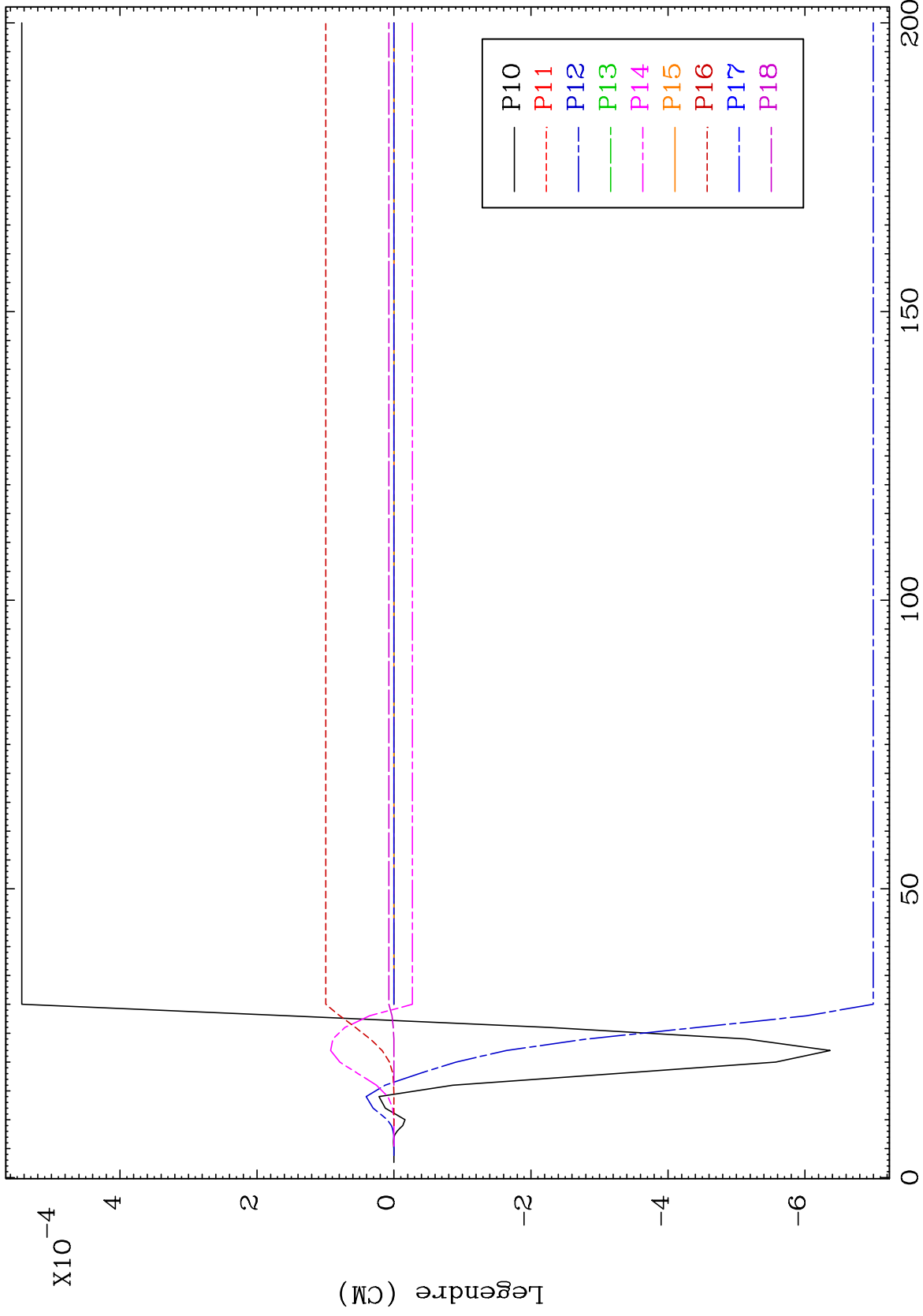




MAT 5631

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

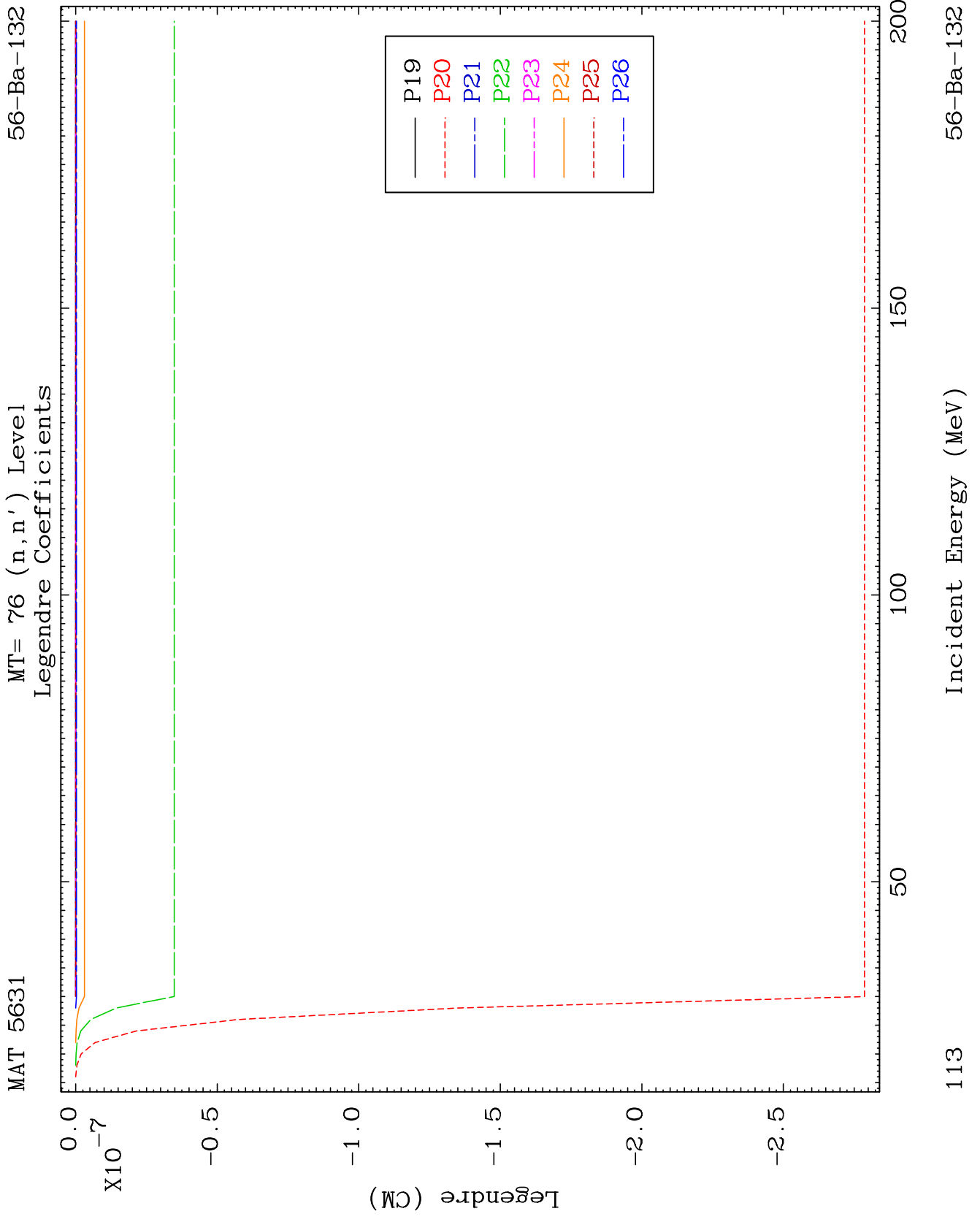
56-Ba-132



112

Incident Energy (MeV)

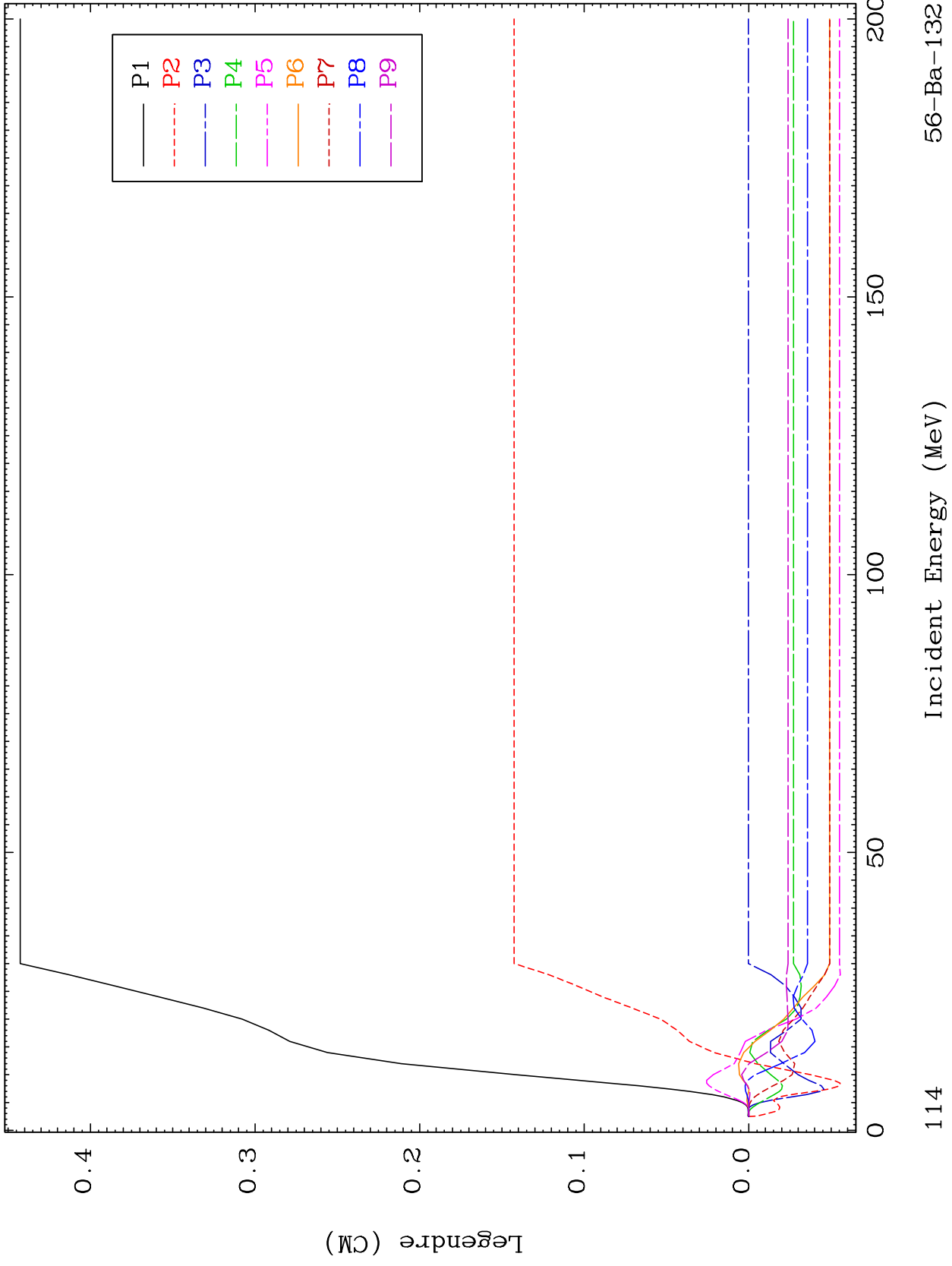
56-Ba-132



MAT 5631

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

56-Ba-132



114

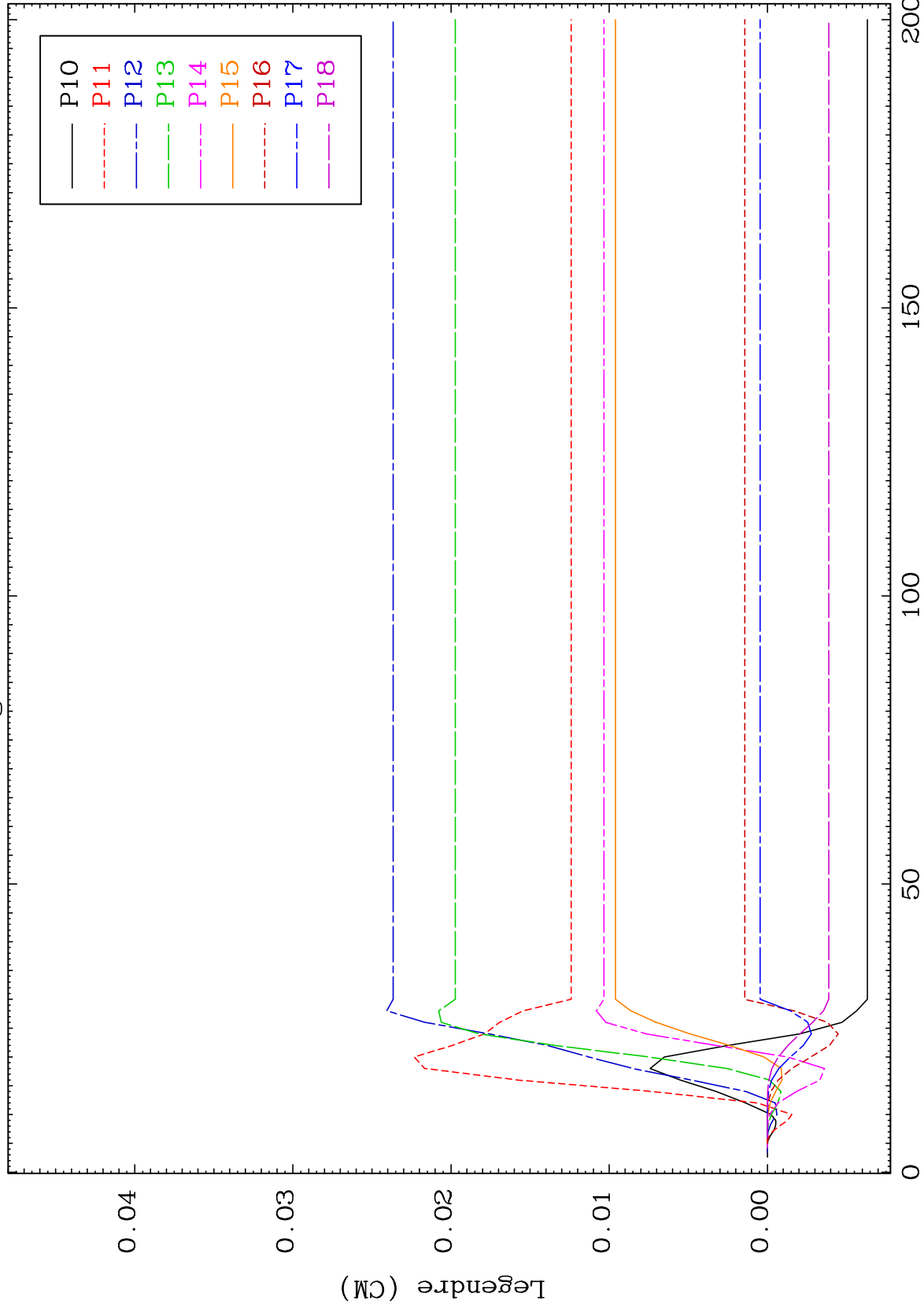
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

56-Ba-132



115

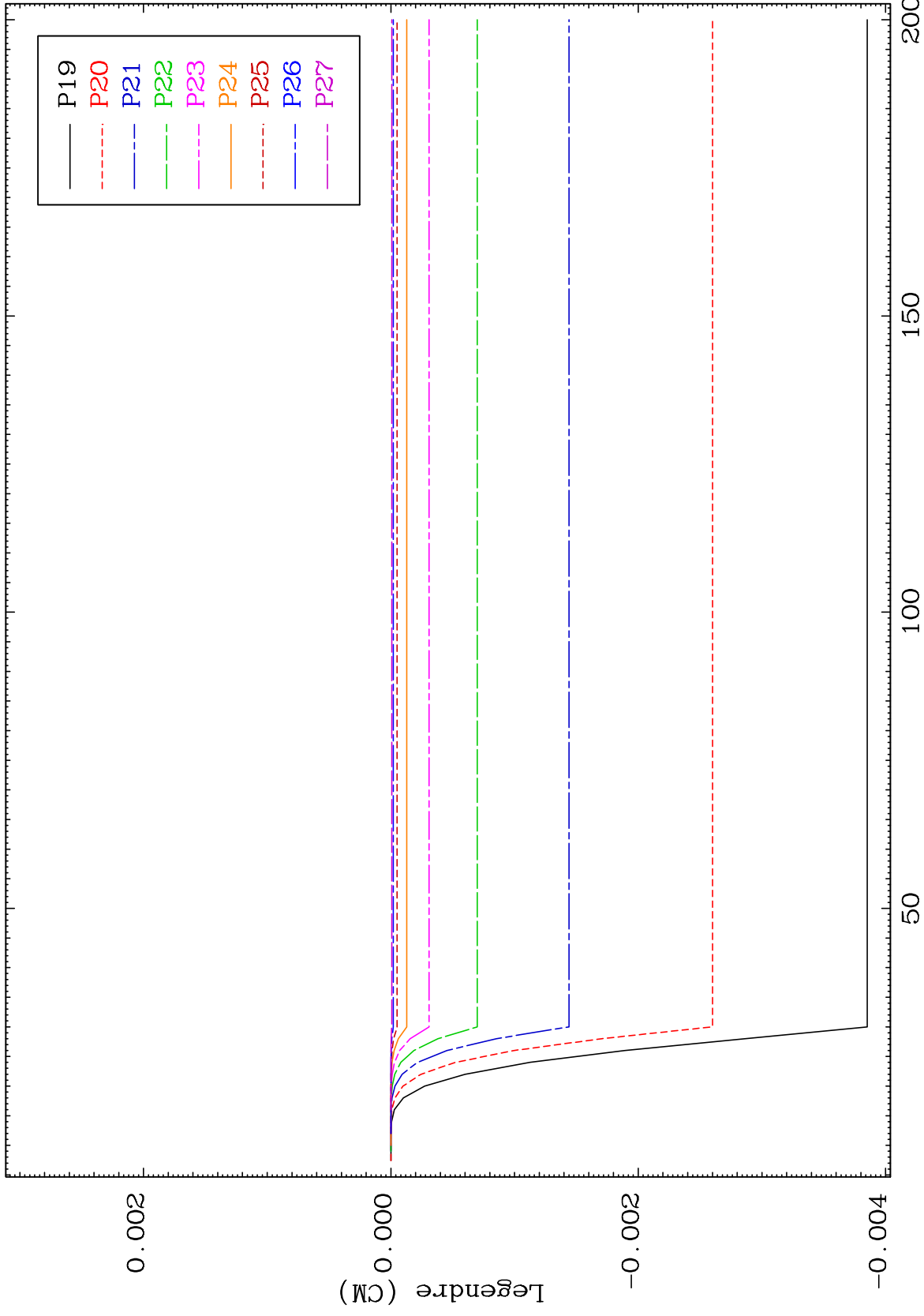
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

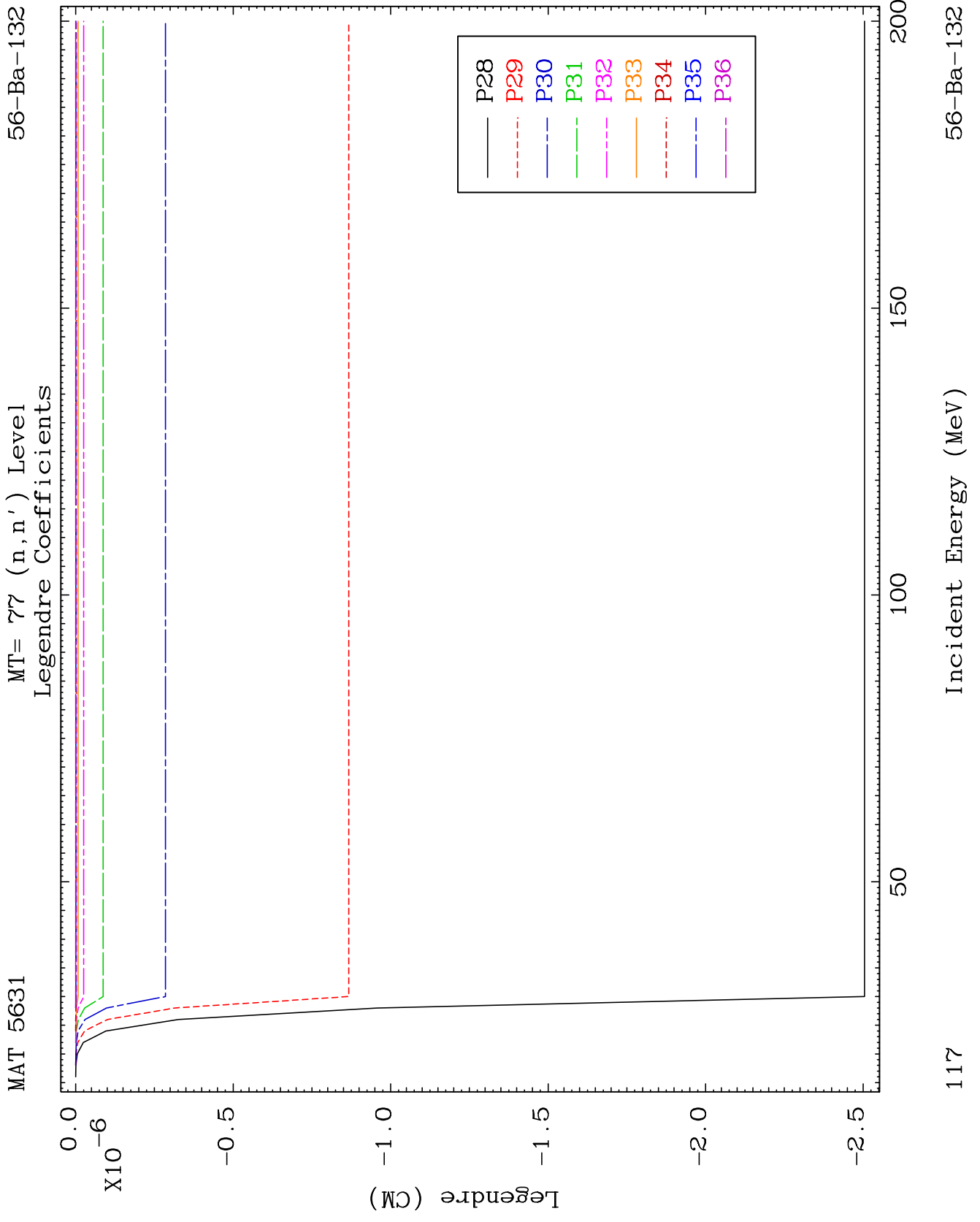
56-Ba-132



116

Incident Energy (MeV)

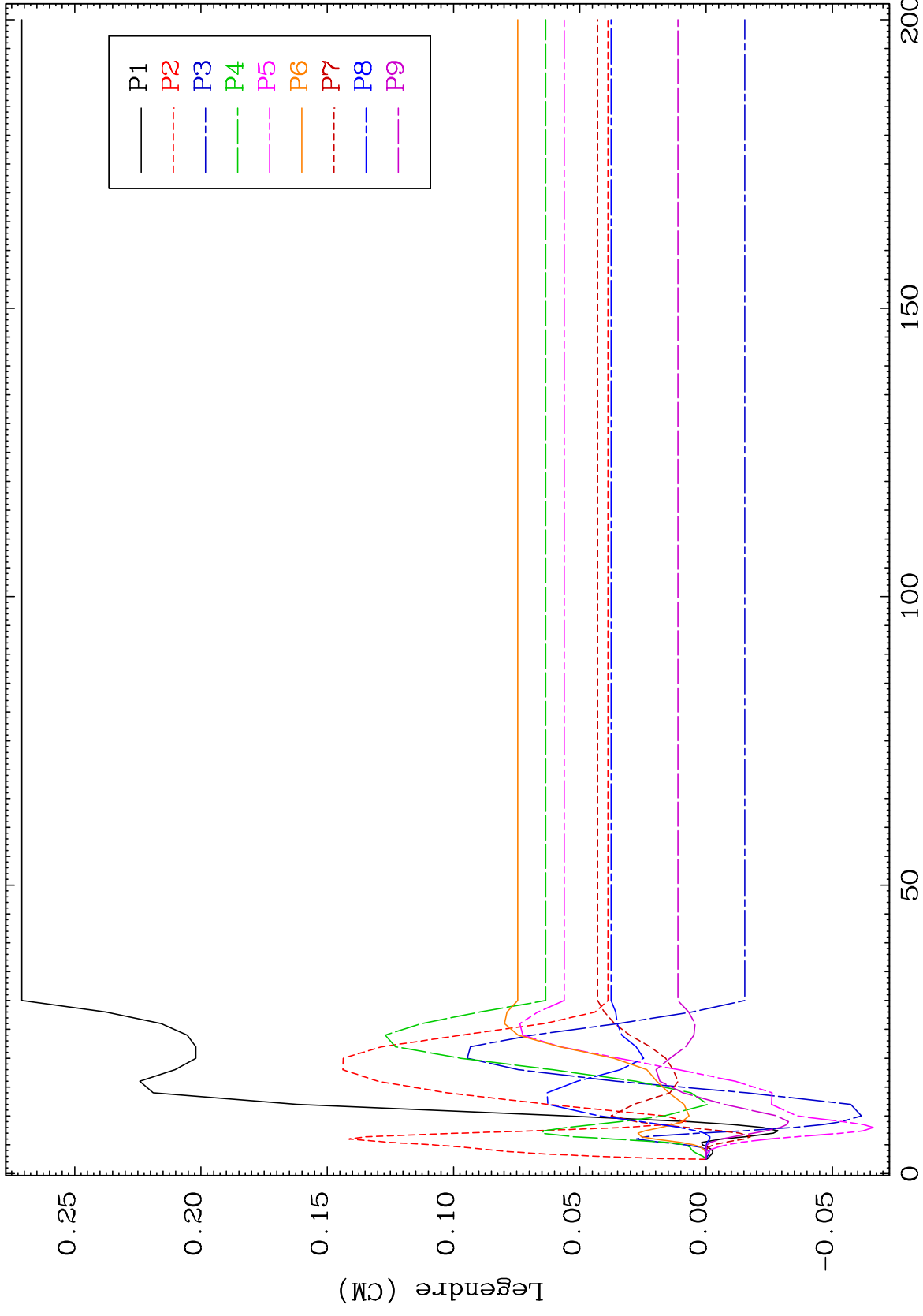
56-Ba-132



MAT 5631

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

56-Ba-132



118

Incident Energy (MeV)

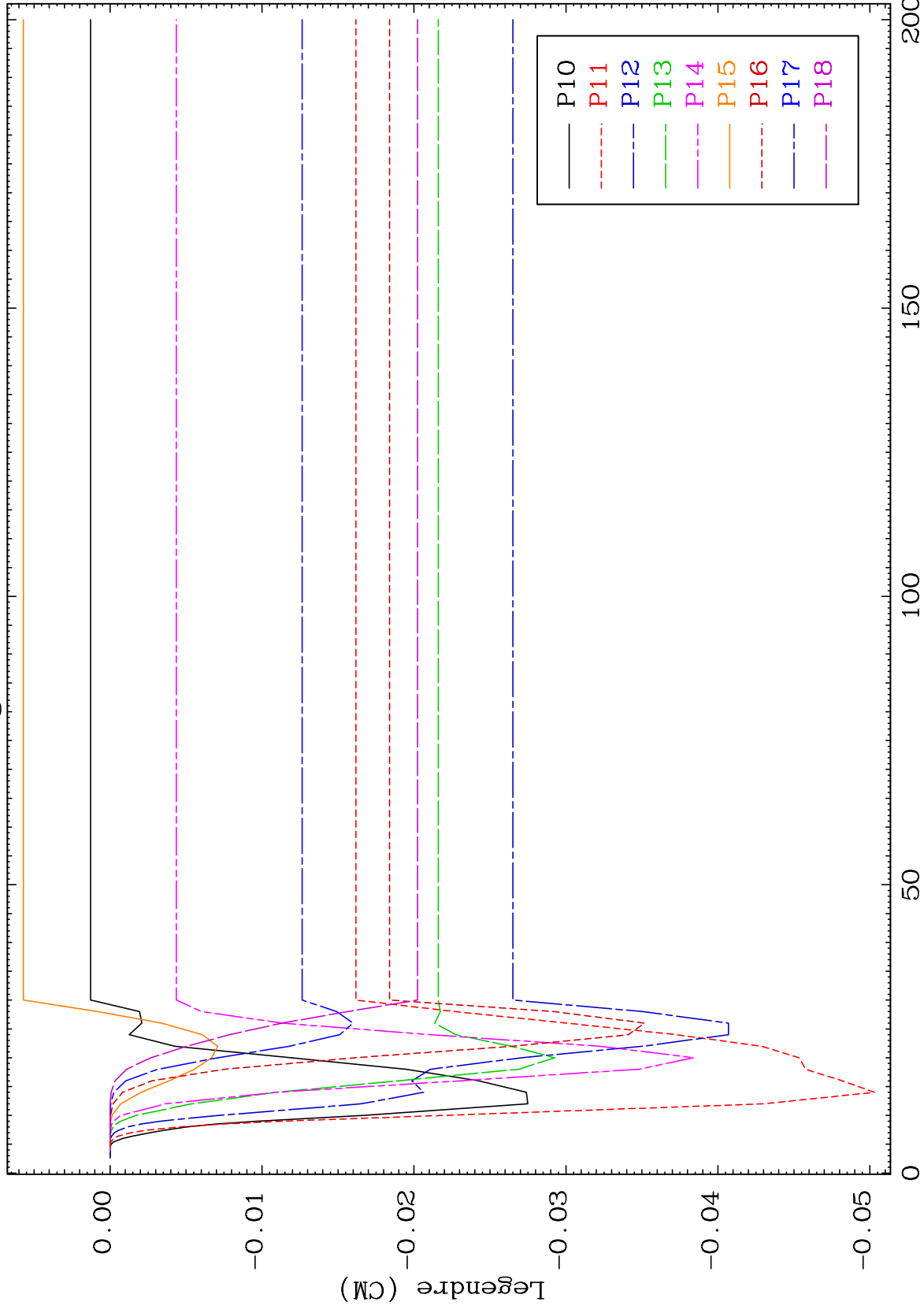
56-Ba-132

MAT 5631

MT= 78 (n,n') Level

56-Ba-132

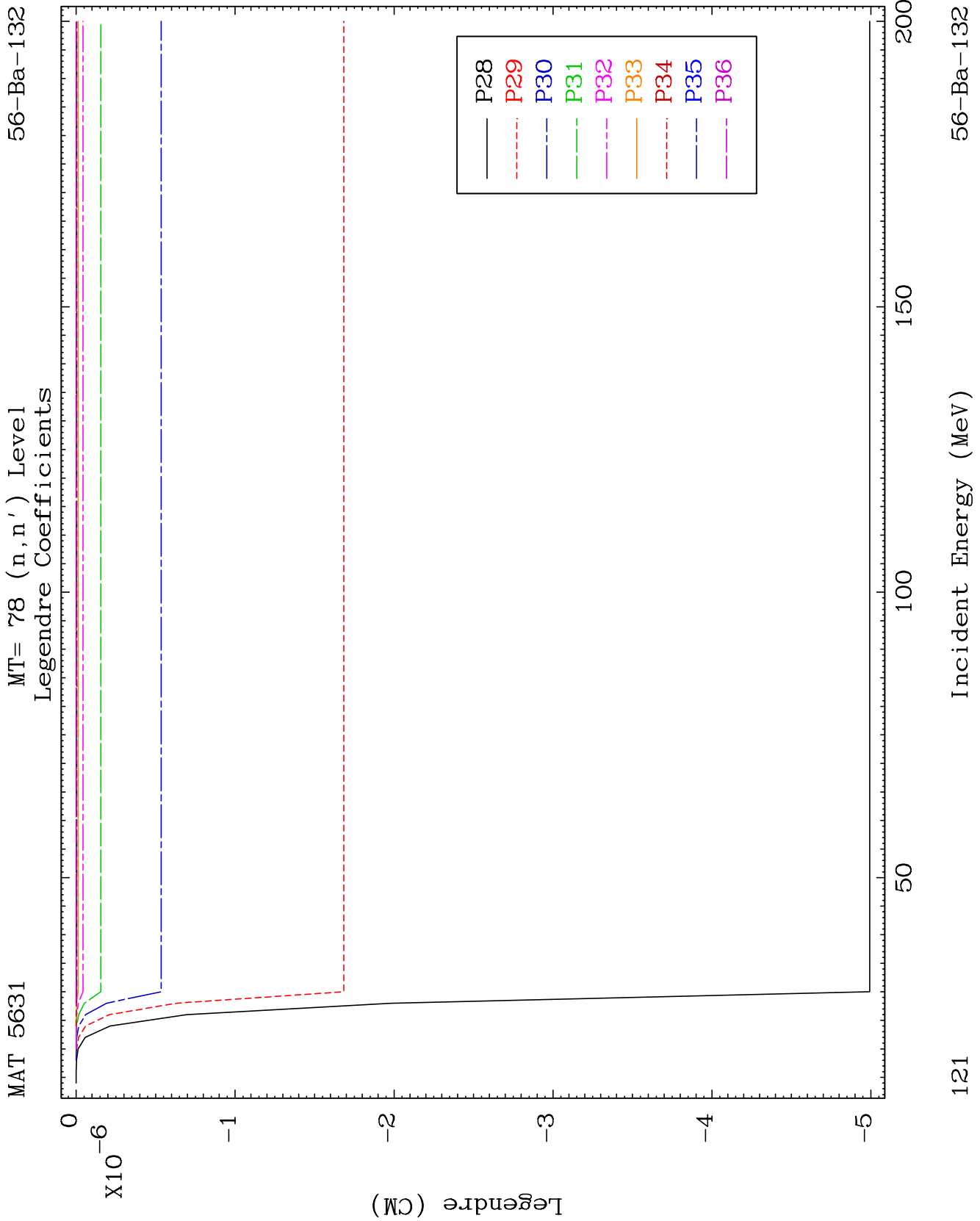
Legendre Coefficients



119

Incident Energy (MeV)

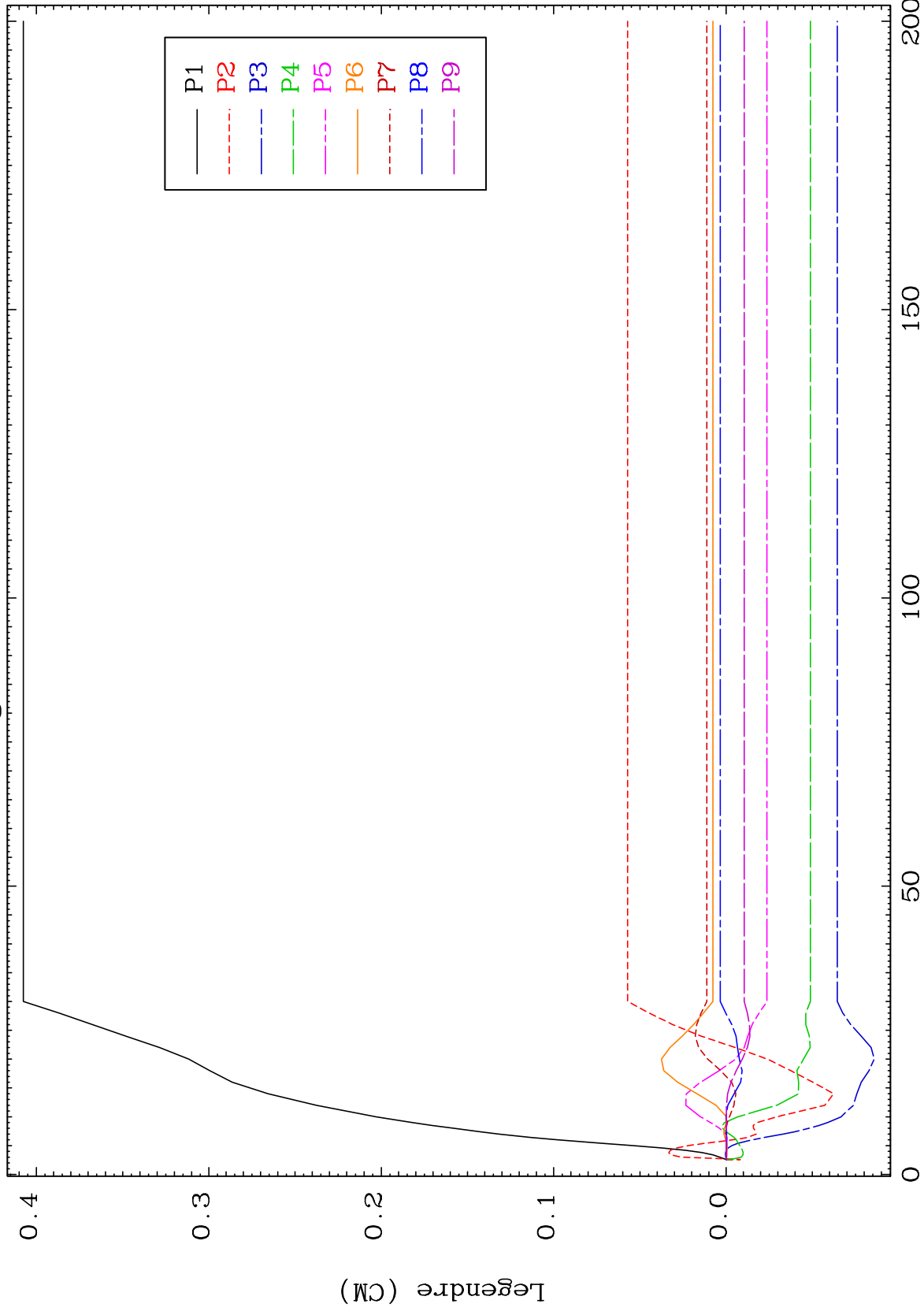
56-Ba-132



MAT 5631

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

56-Ba-132



122

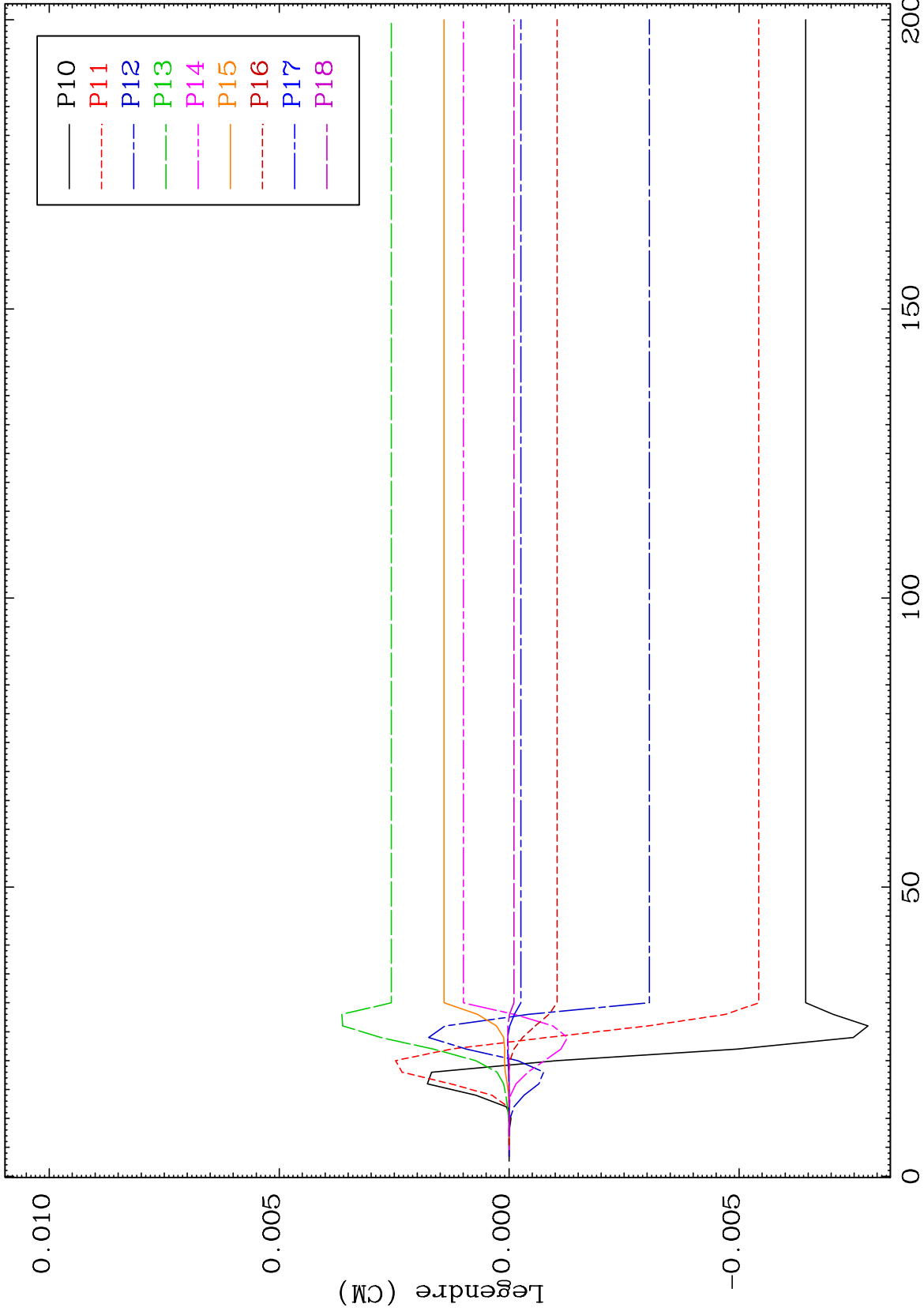
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

56-Ba-132



123

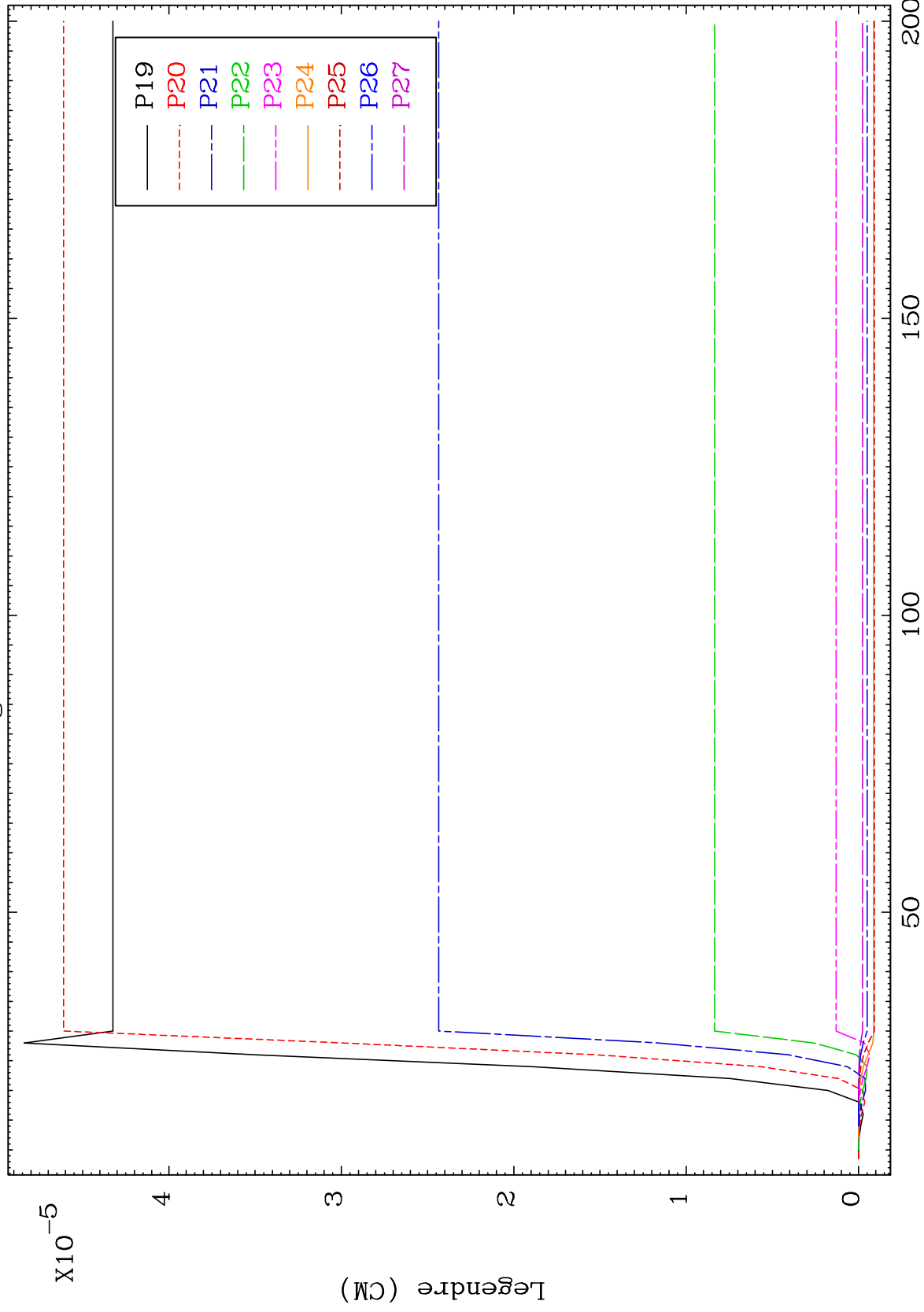
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

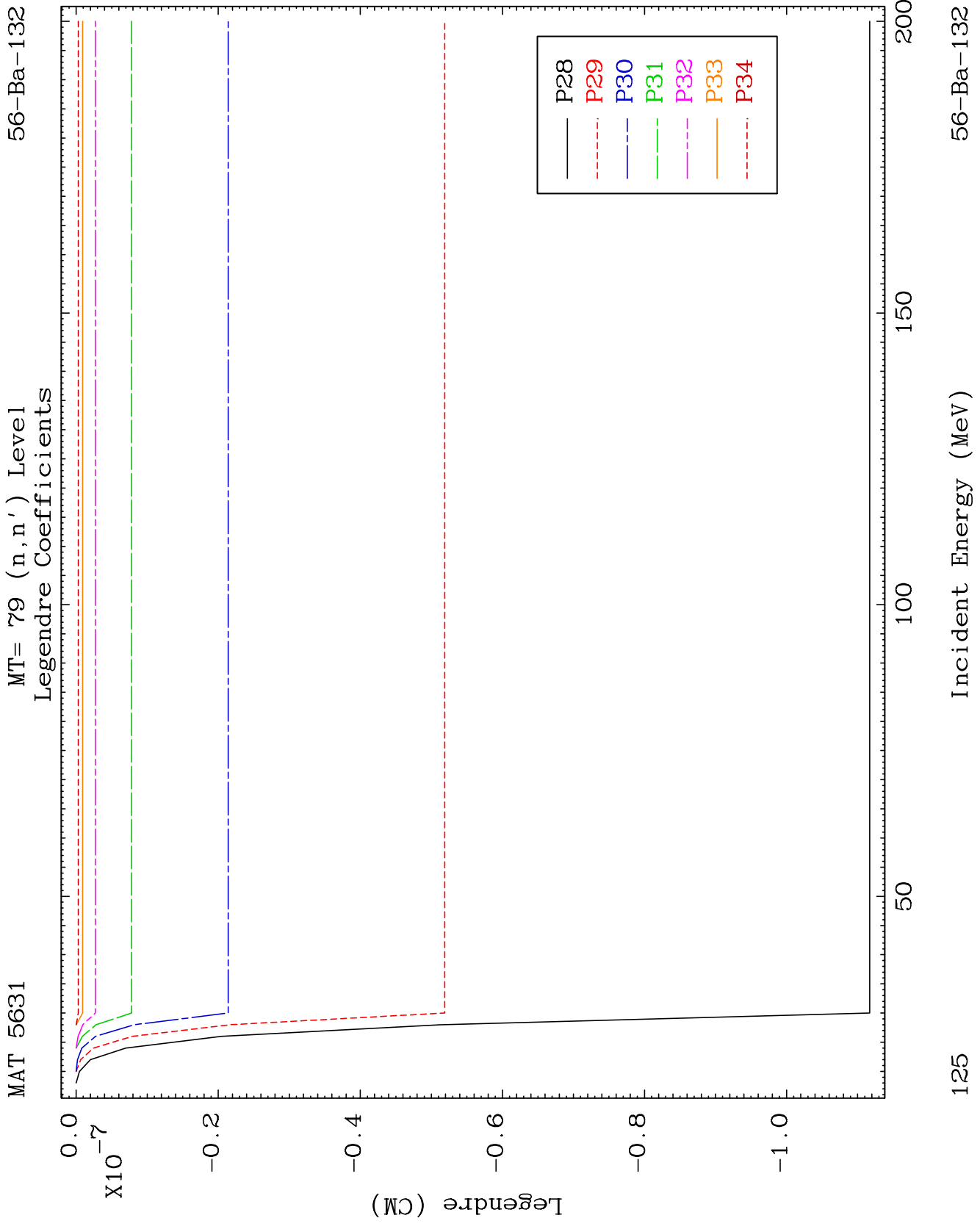
56-Ba-132

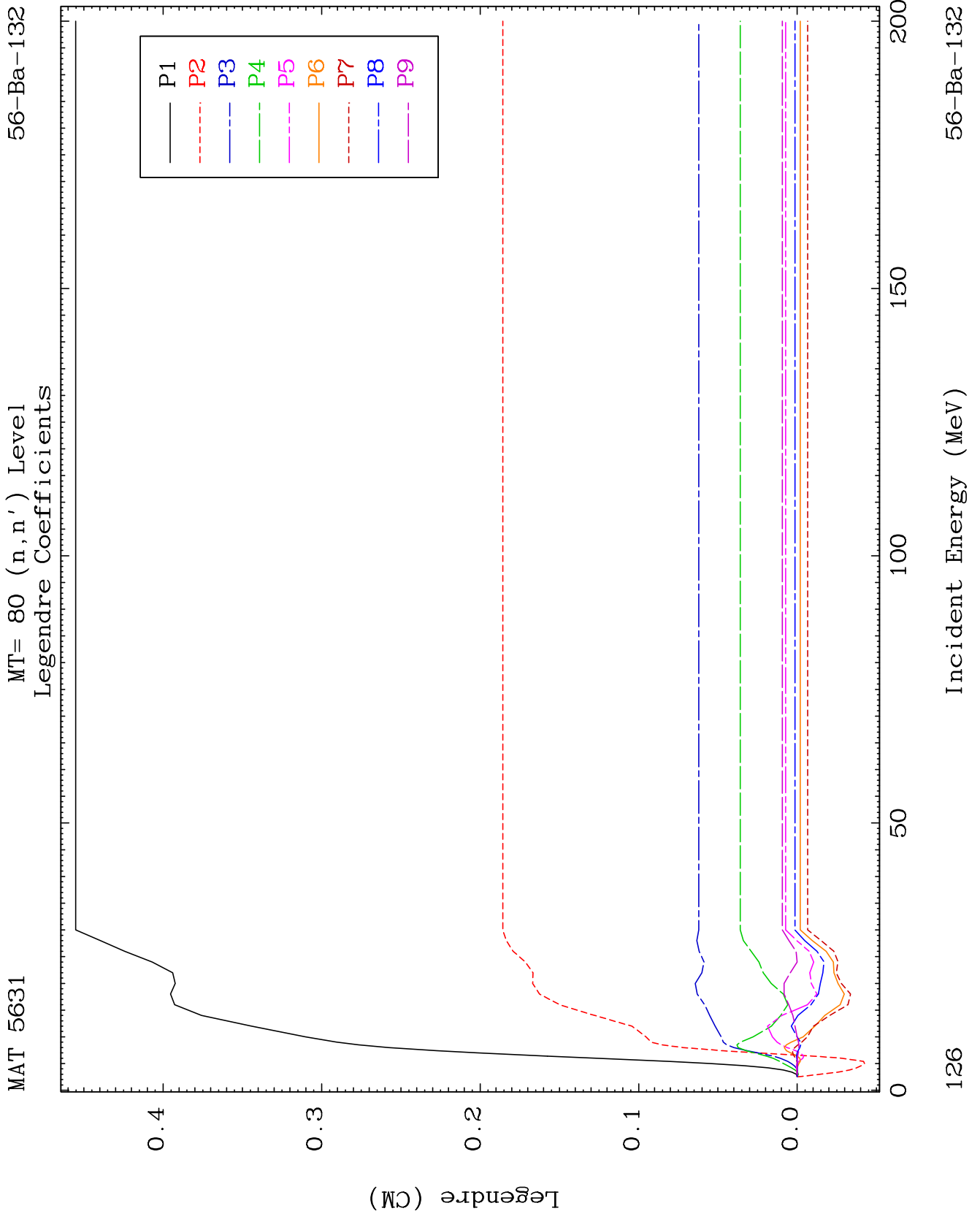


124

Incident Energy (MeV)

56-Ba-132

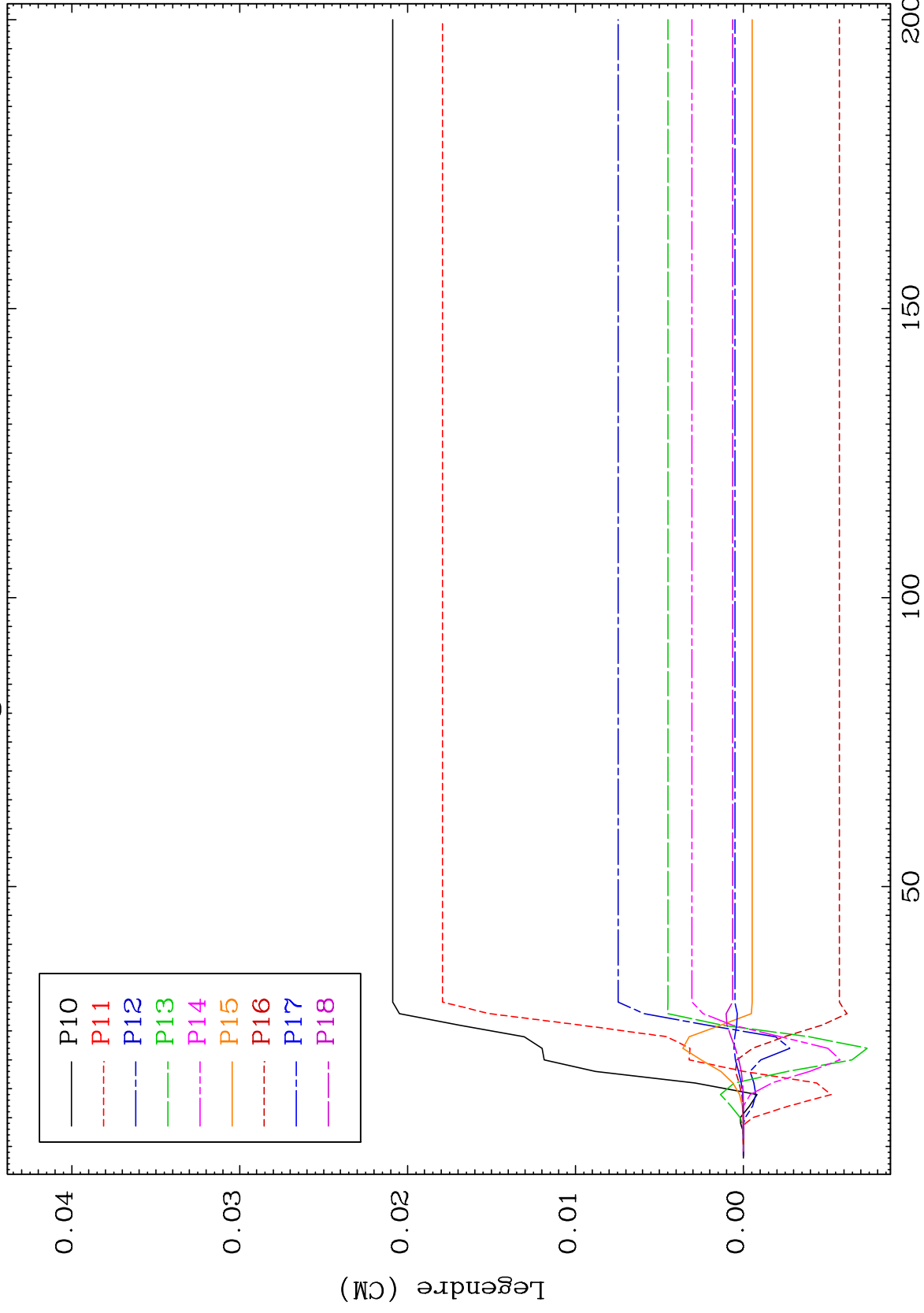




MAT 5631

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

56-Ba-132



127

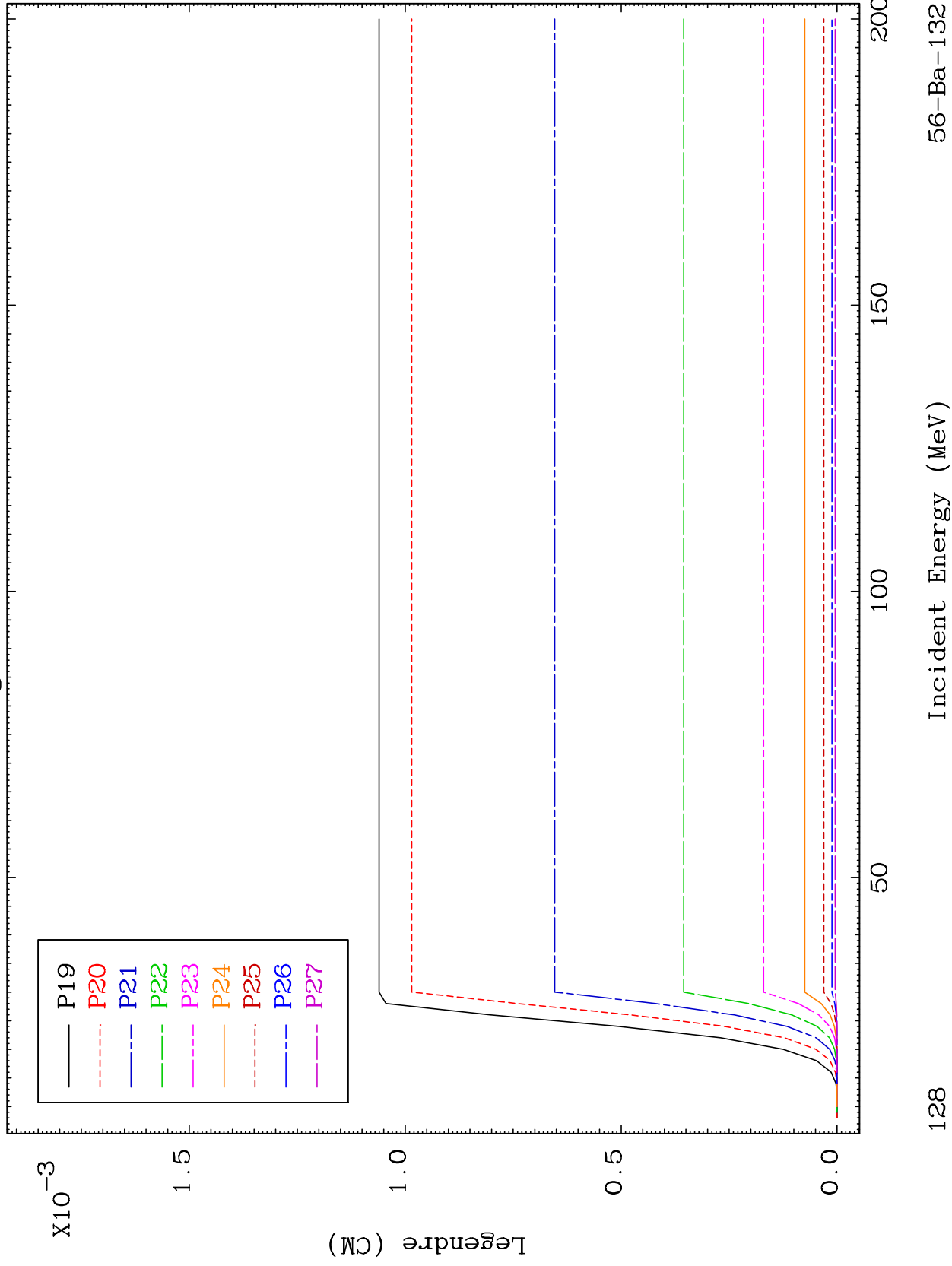
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

56-Ba-132



128

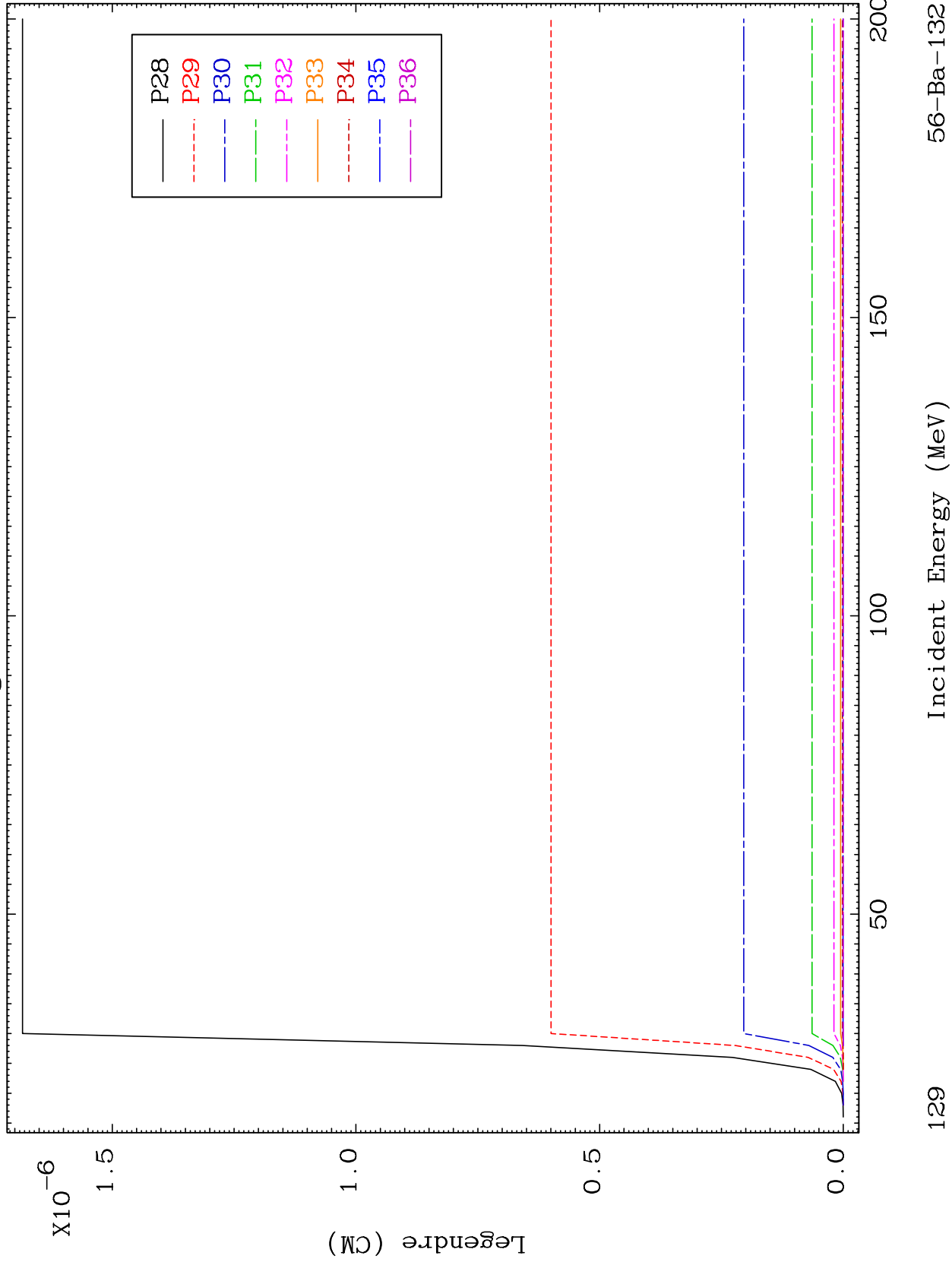
Incident Energy (MeV)

56-Ba-132

MAT 5631

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

56-Ba-132

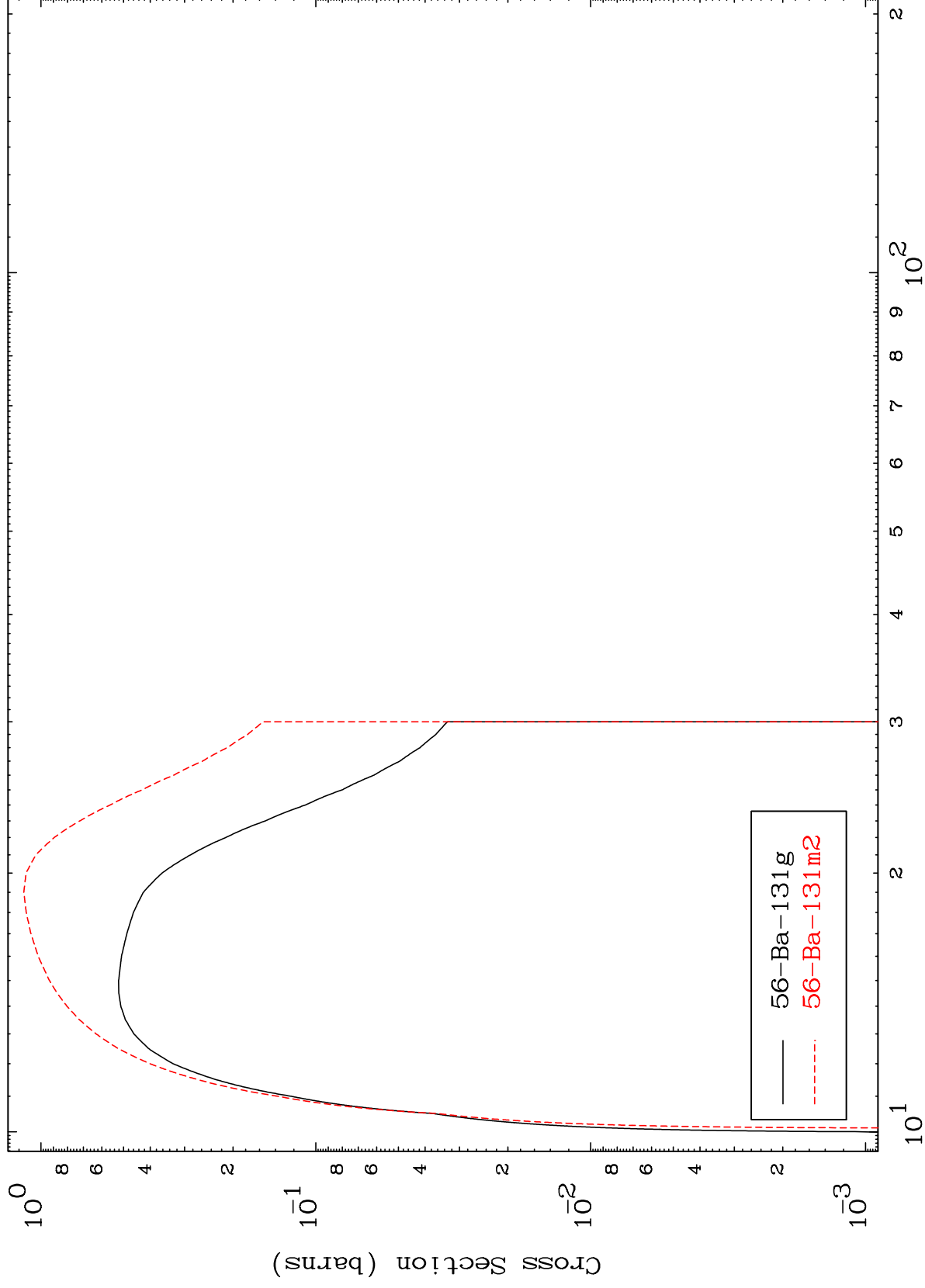


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MAT 5631

56-Ba-132

(n,2n)
Radionuclide Production Cross Section



56-Ba-132

Incident Energy (MeV)

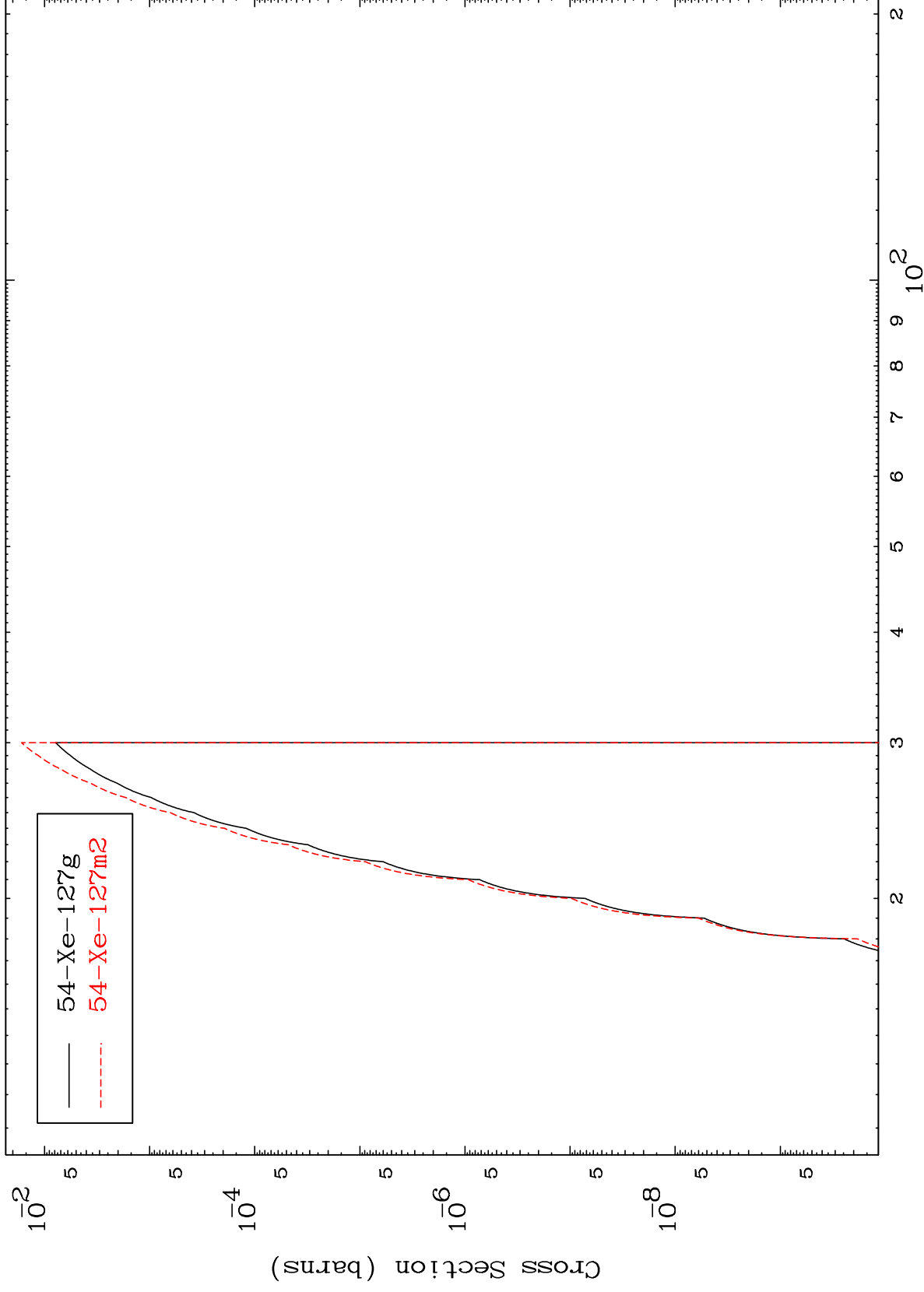
130

MAT 5631

56-Ba-132

(n,2n) α

Radionuclide Production Cross Section



131

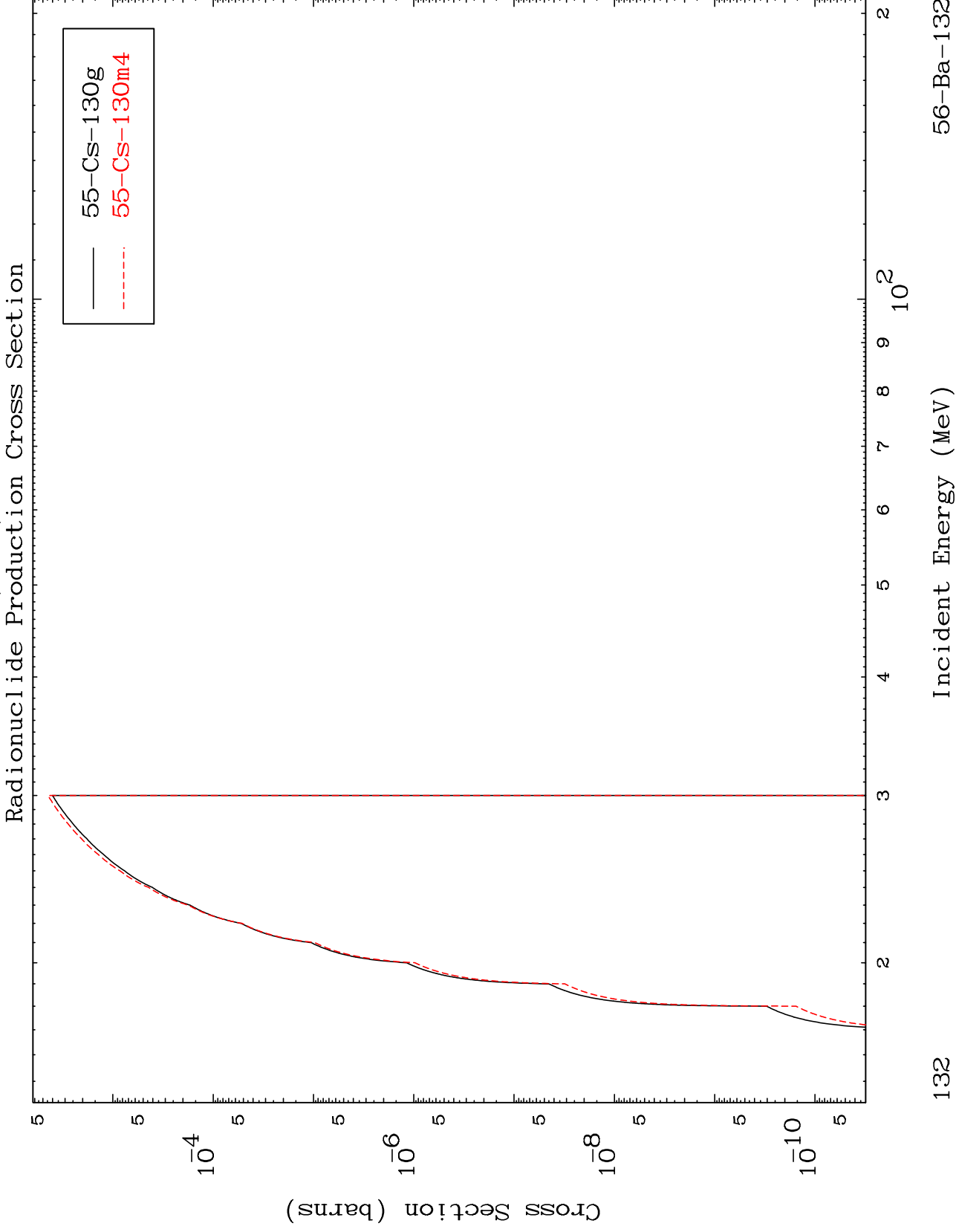
Incident Energy (MeV)

56-Ba-132

MAT 5631

(n,n') d

56-Ba-132



132

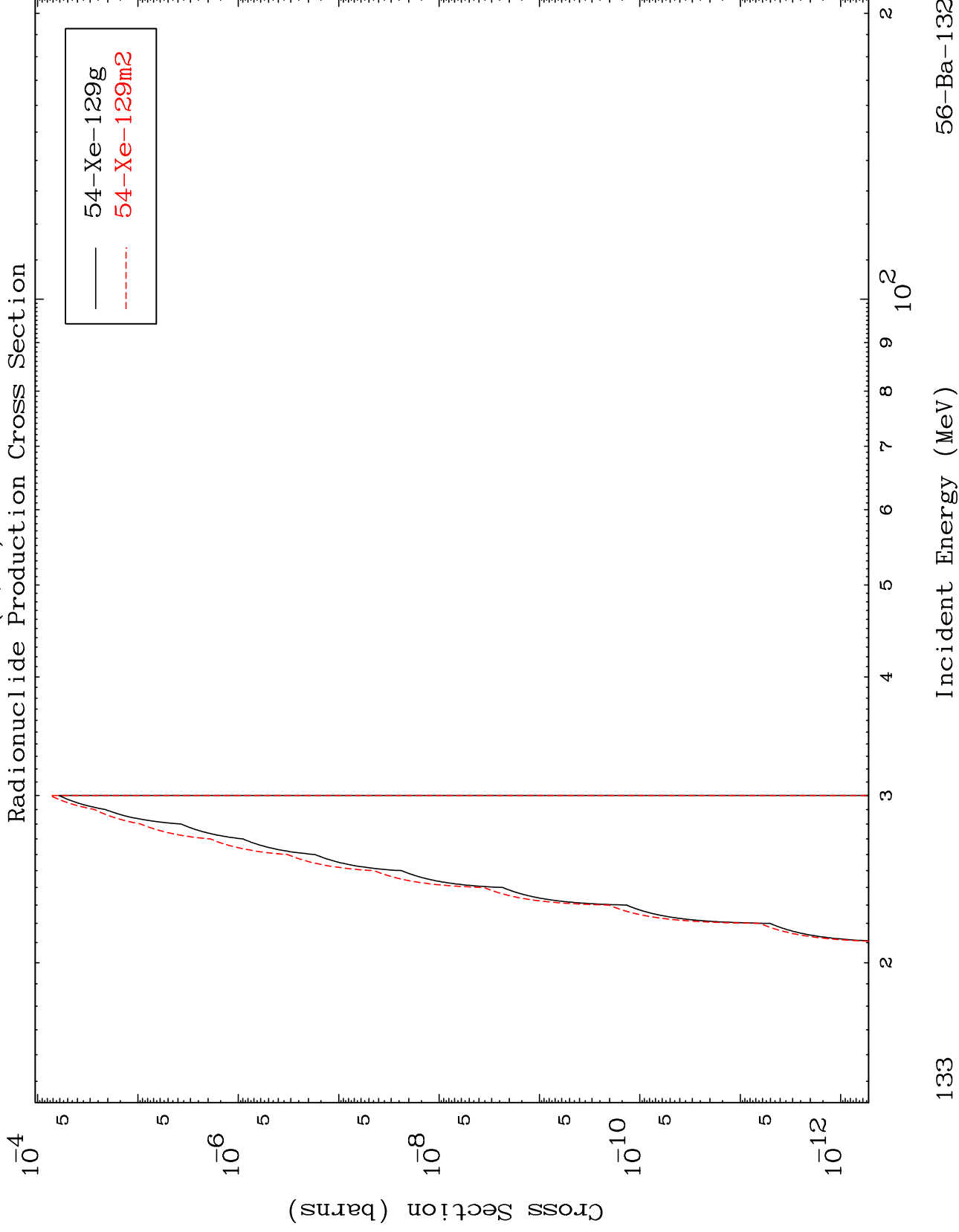
Incident Energy (MeV)

56-Ba-132

MAT 5631

(n,n') He-3

56-Ba-132



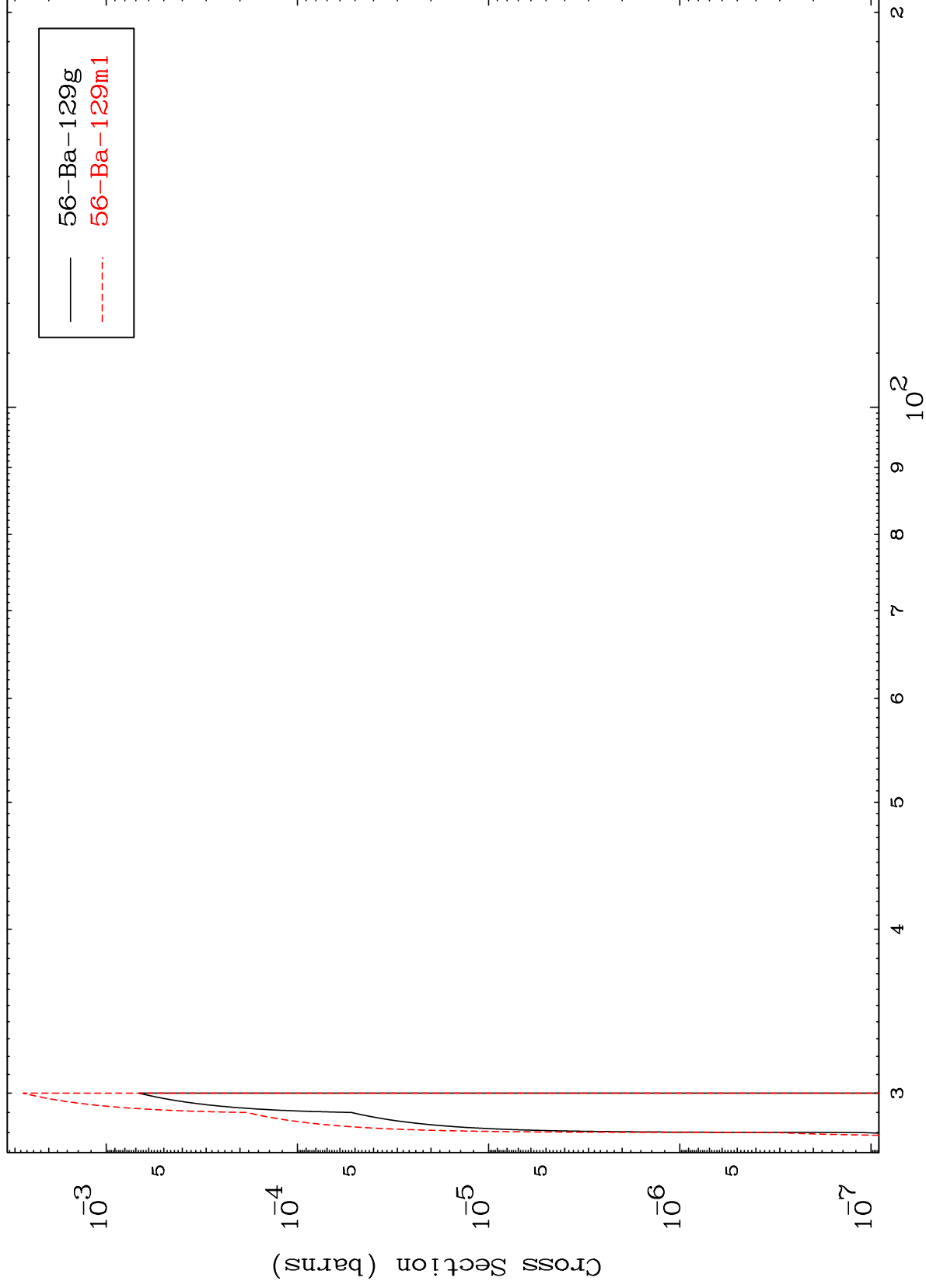
133

56-Ba-132

MAT 5631

56-Ba-132

(n,4n)
Radionuclide Production Cross Section



134

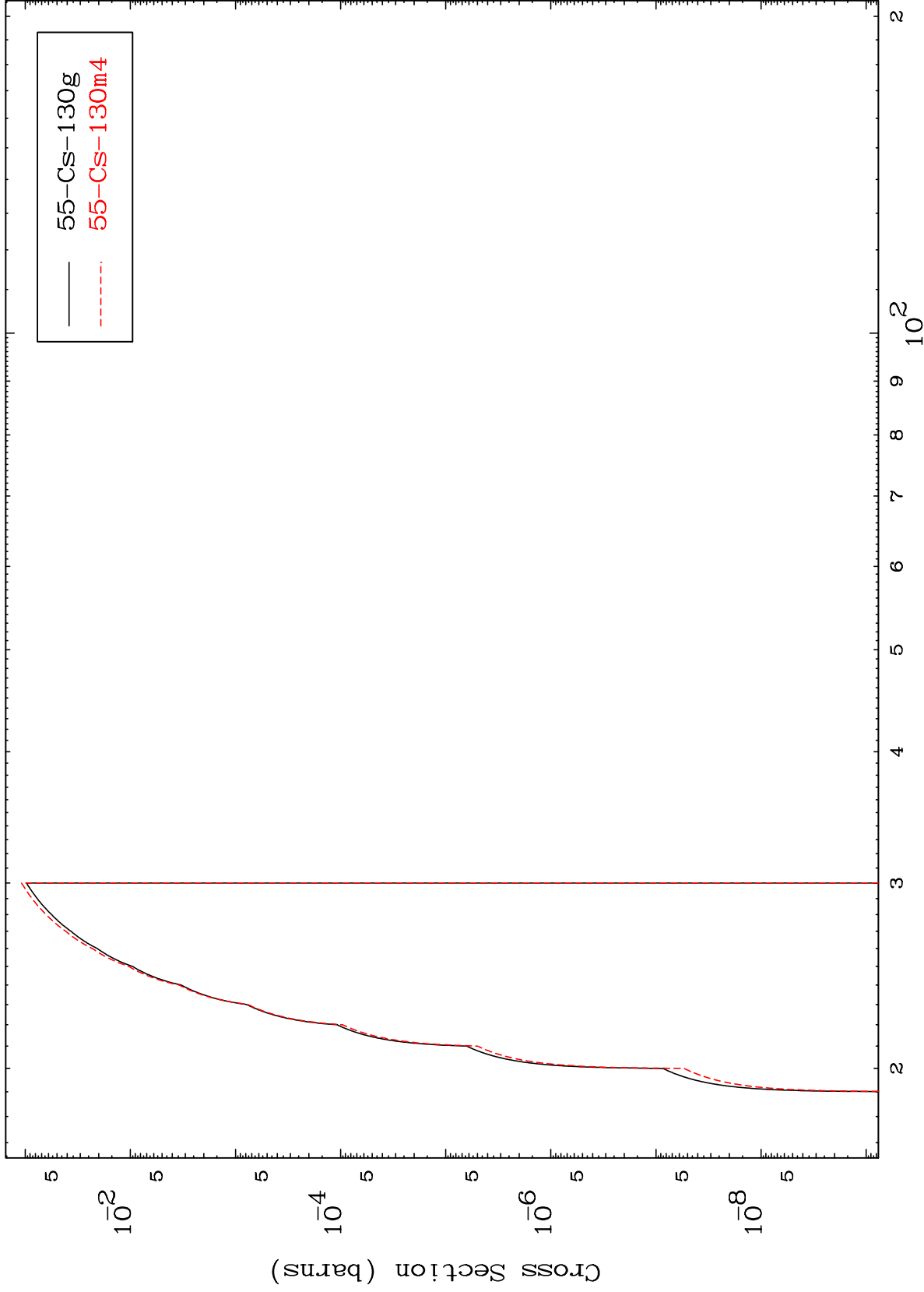
56-Ba-132

Incident Energy (MeV)

MAT 5631

56-Ba-132

(n,2n) p
Radionuclide Production Cross Section



135

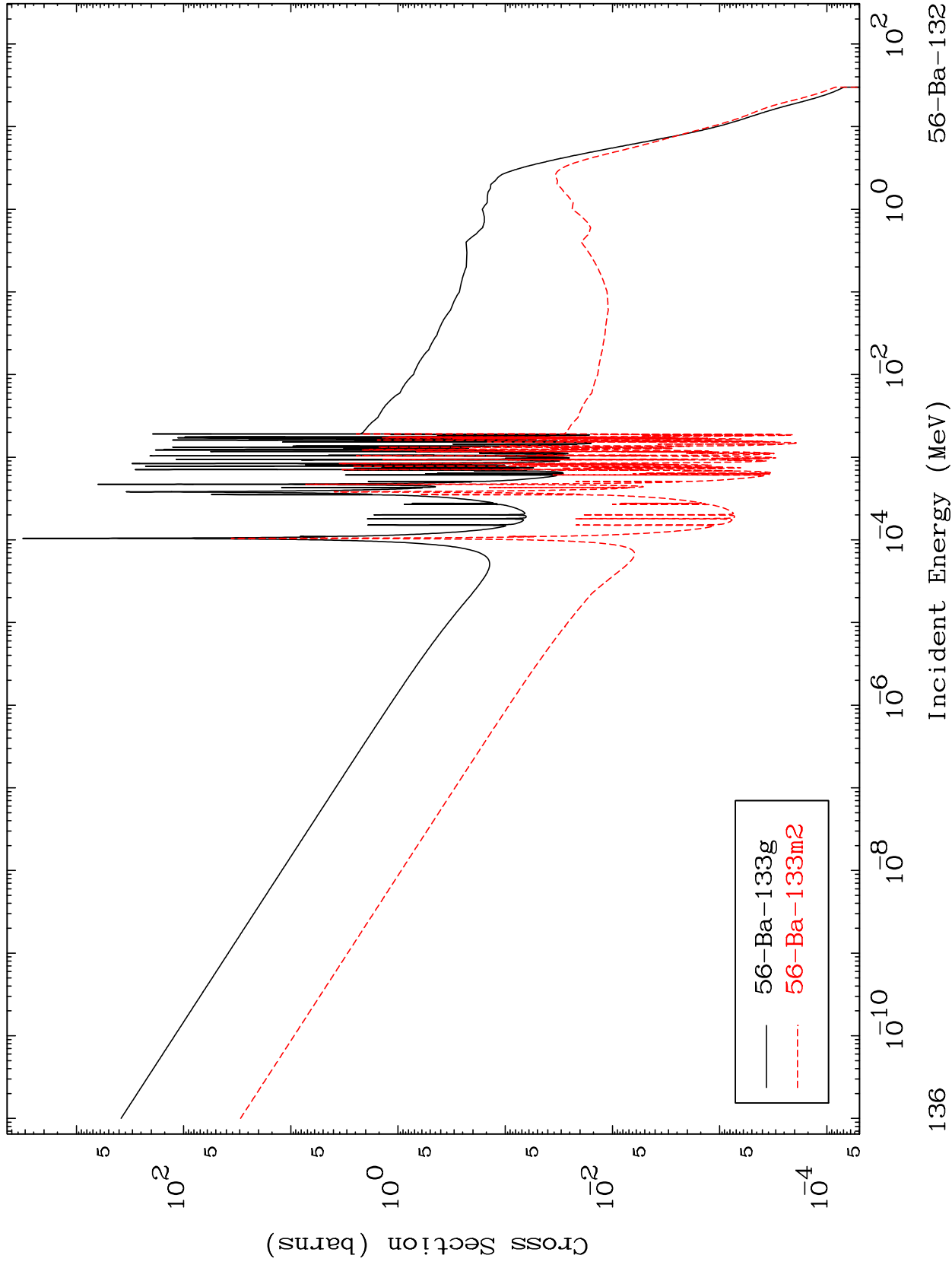
Incident Energy (MeV)

56-Ba-132

MAT 5631

56-Ba-132

(n, γ)
Radionuclide Production Cross Section

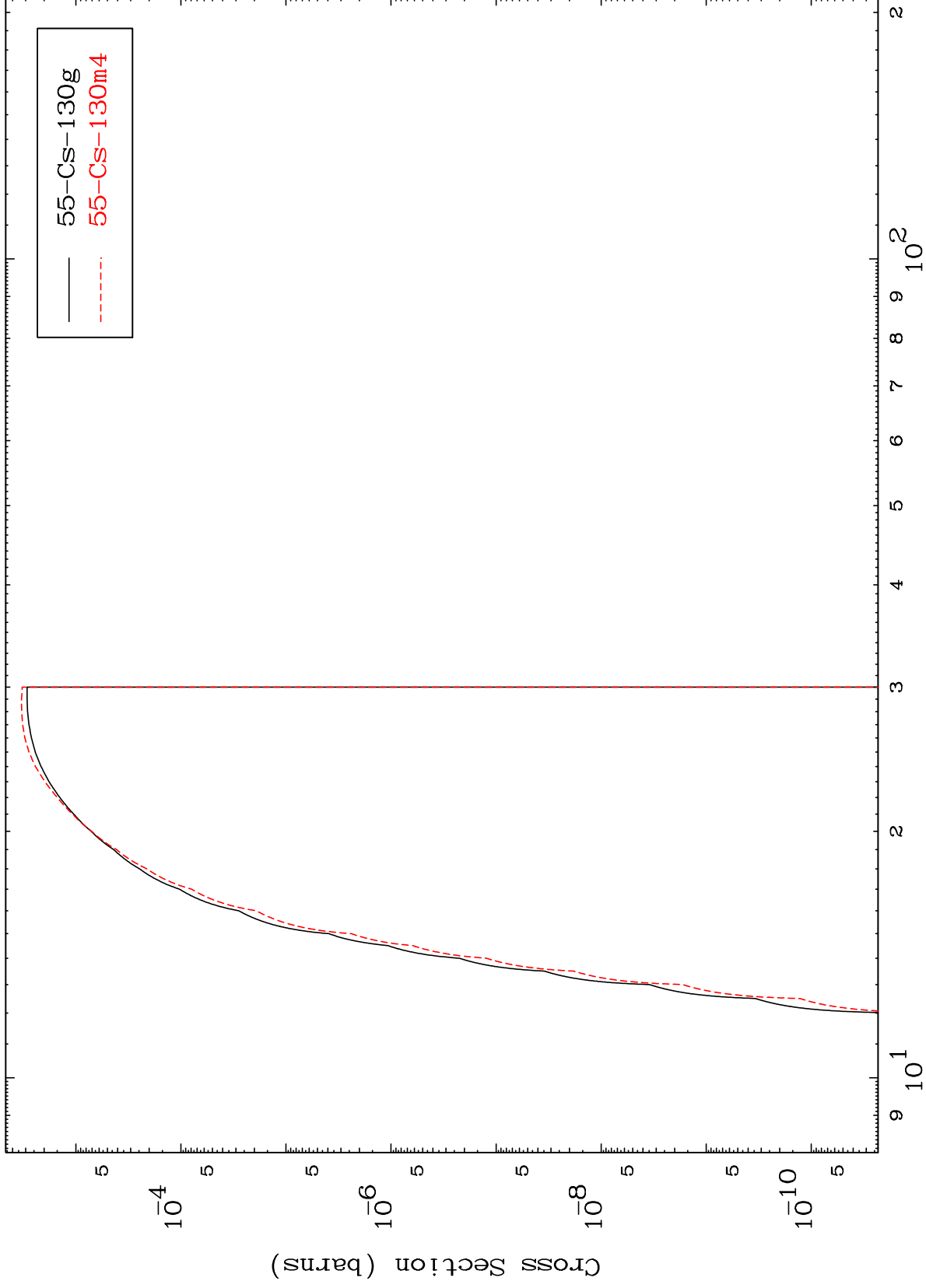


136

MAT 5631

56-Ba-132

(n,t)
Radionuclide Production Cross Section



137

Incident Energy (MeV)

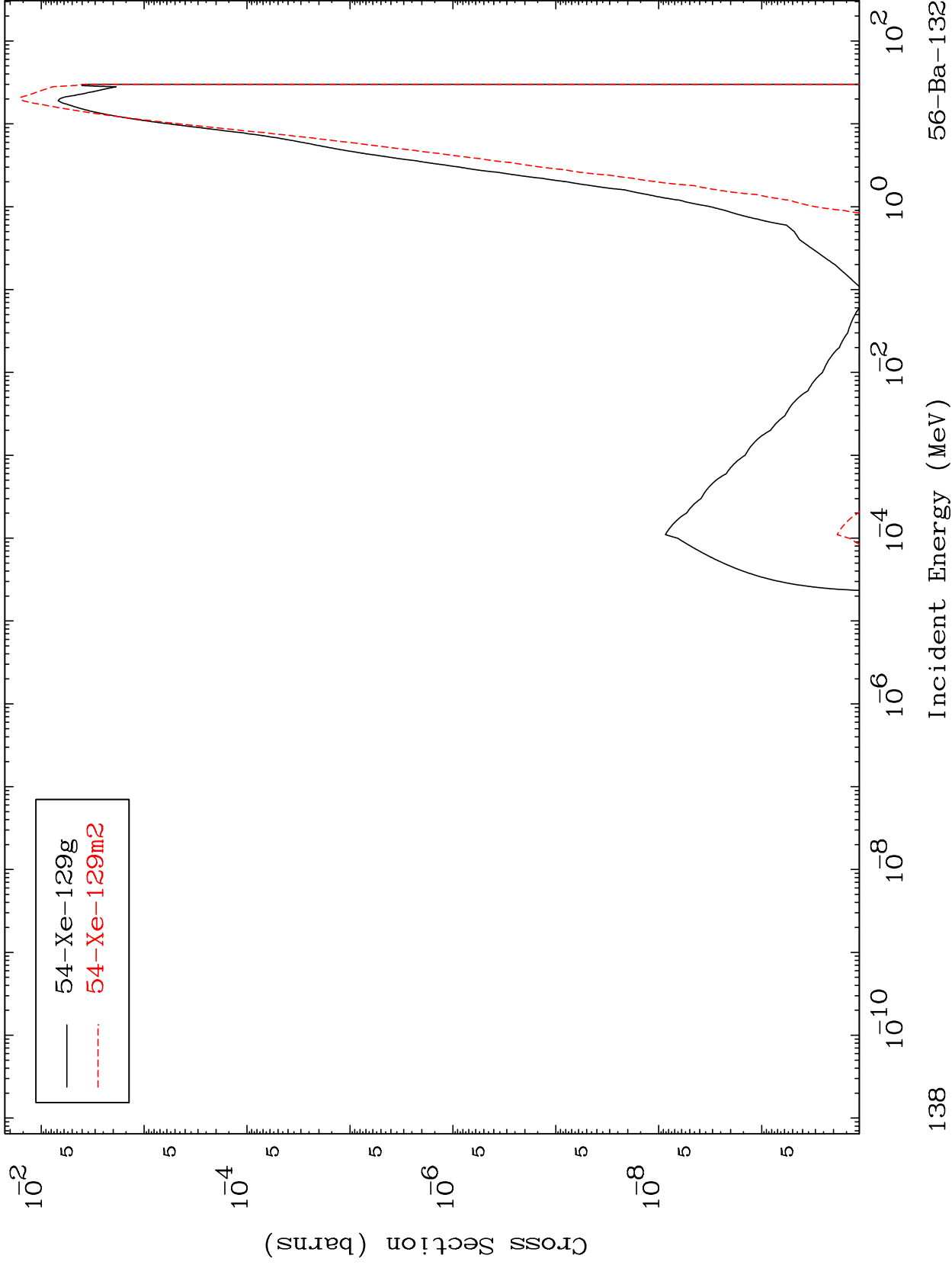
56-Ba-132

MAT 5631

(n, α)

56-Ba-132

Radionuclide Production Cross Section



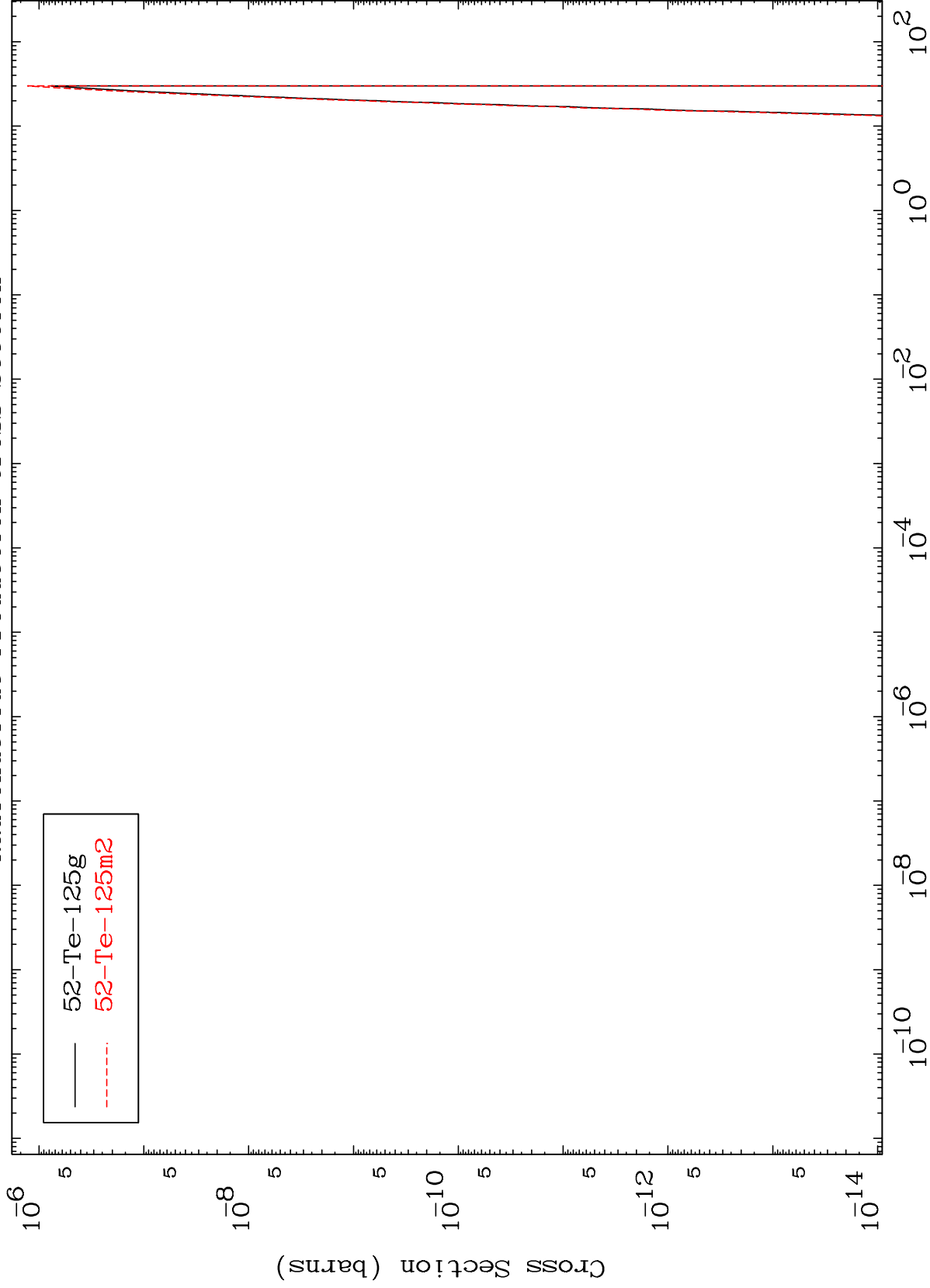
138

MAT 5631

(n,2α)

56-Ba-132

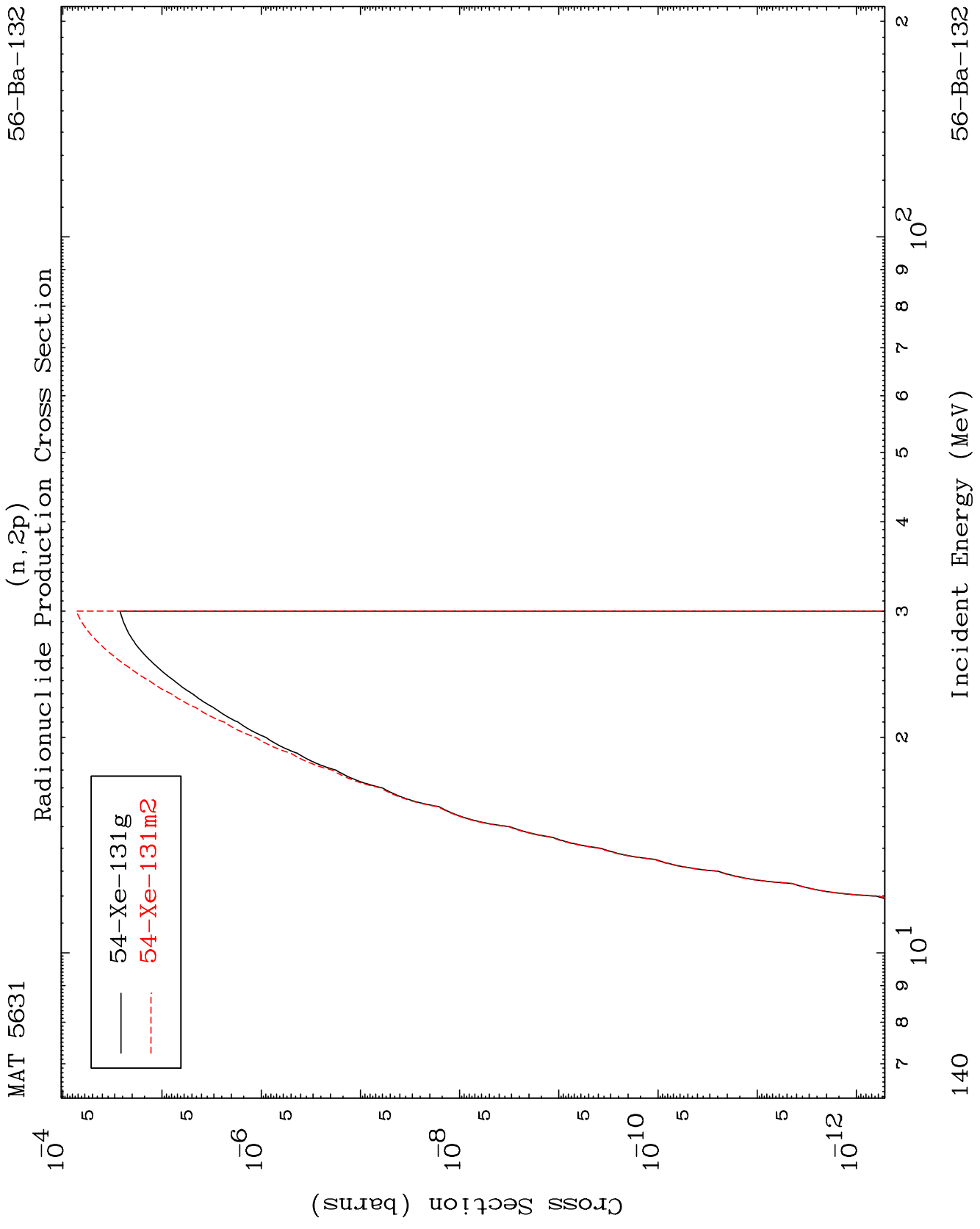
Radionuclide Production Cross Section



139

Incident Energy (MeV)

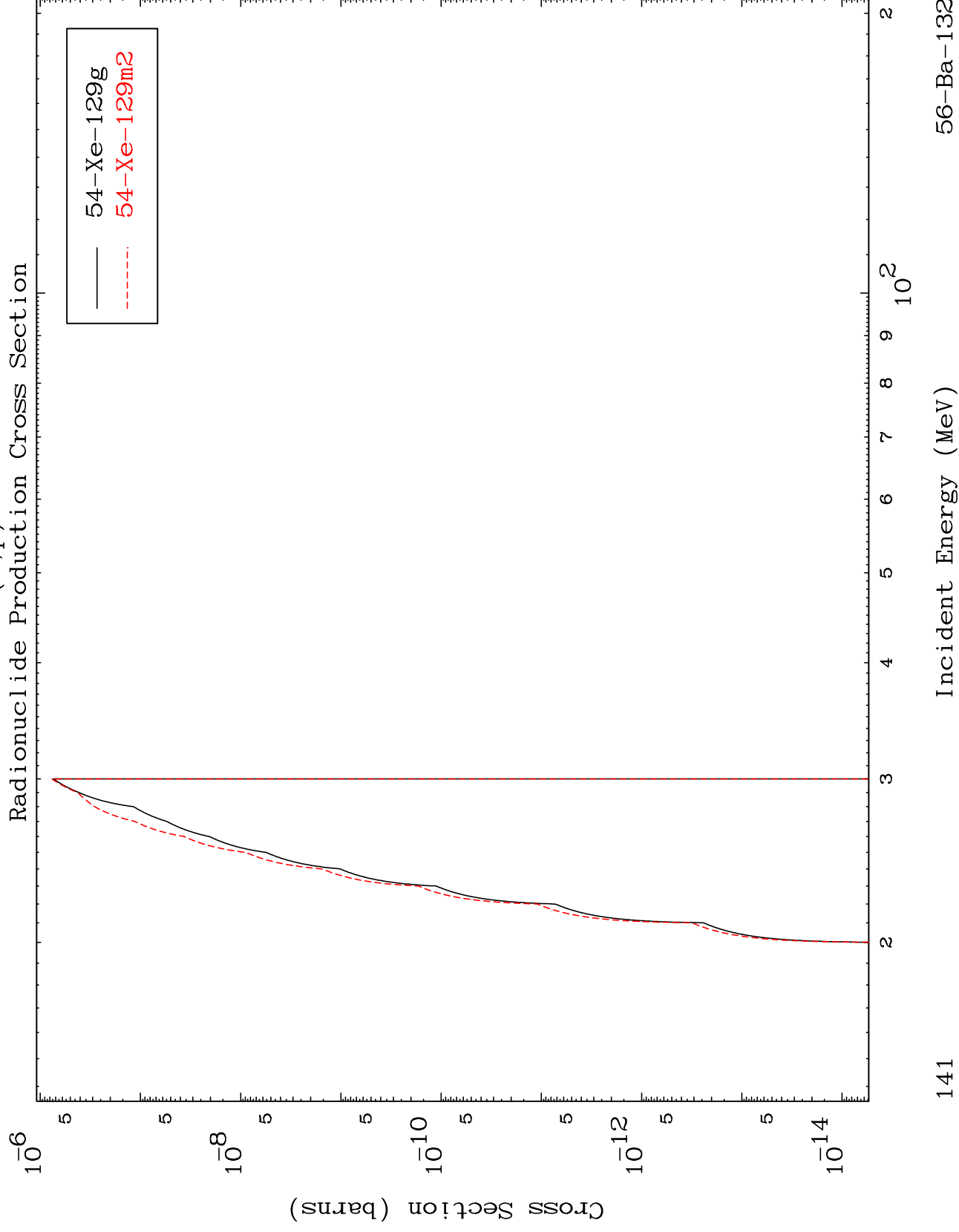
56-Ba-132



MAT 5631

(n,p) t

56-Ba-132



141

56-Ba-132