

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

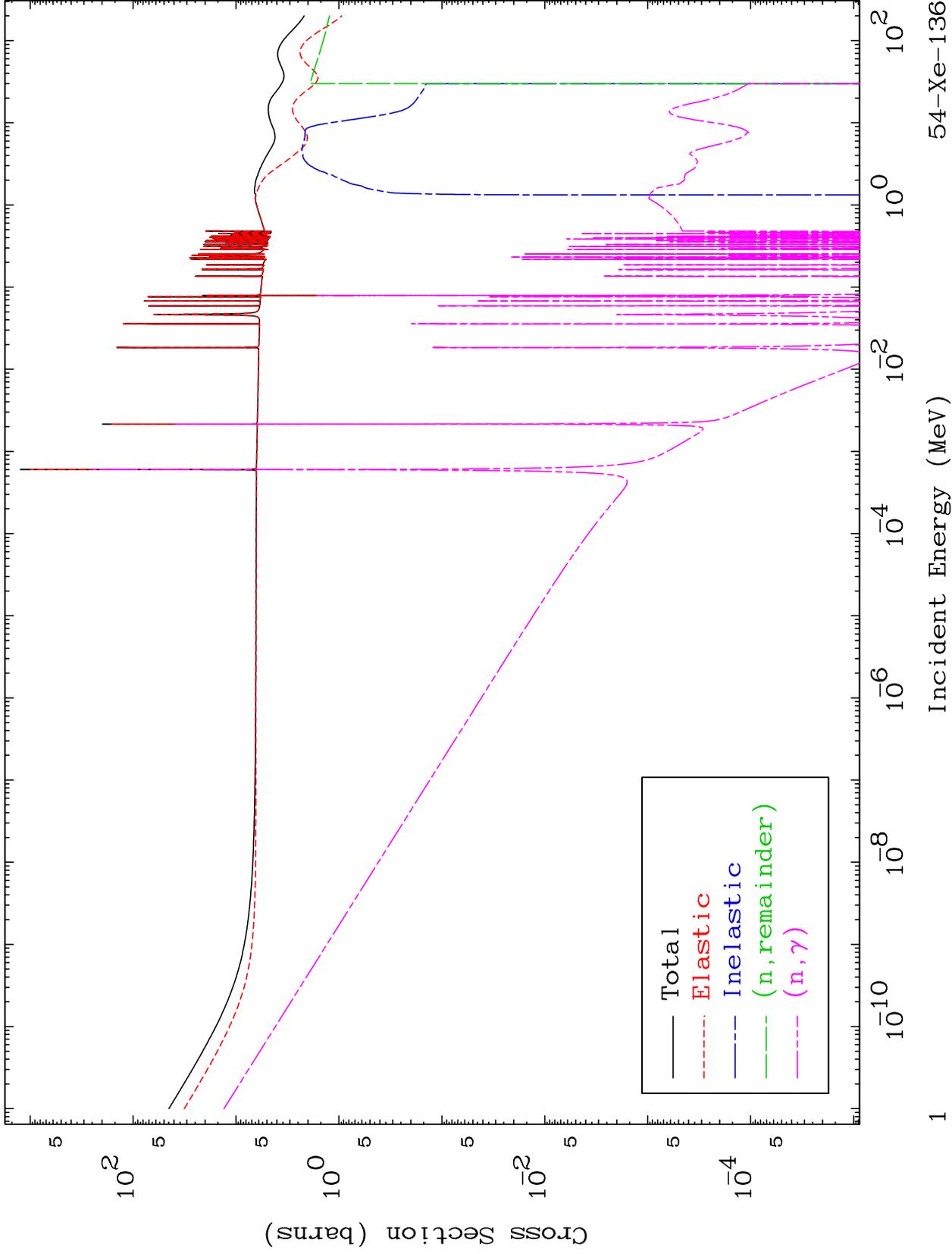
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Press Mouse Button to Start

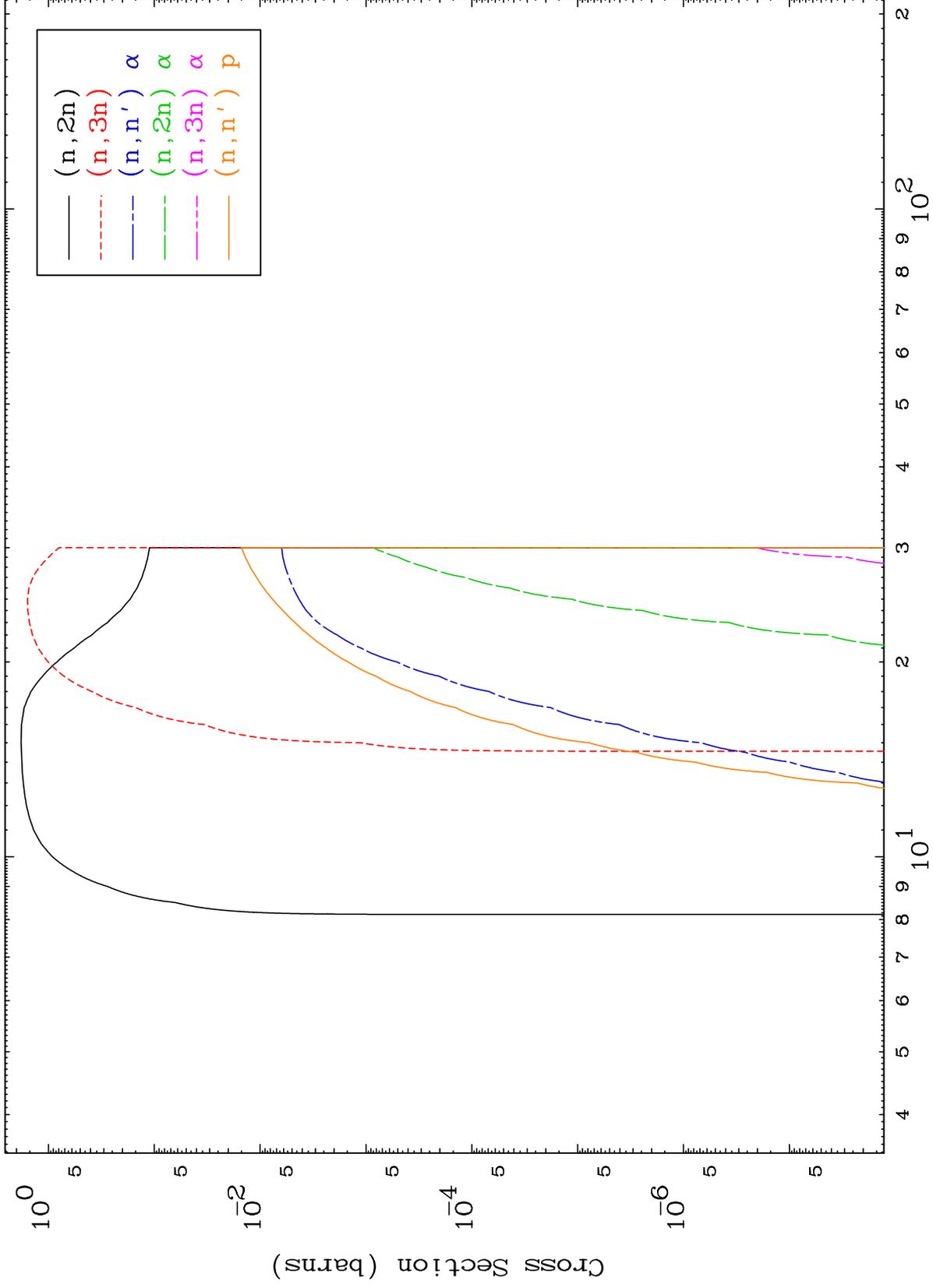
MAT 5461

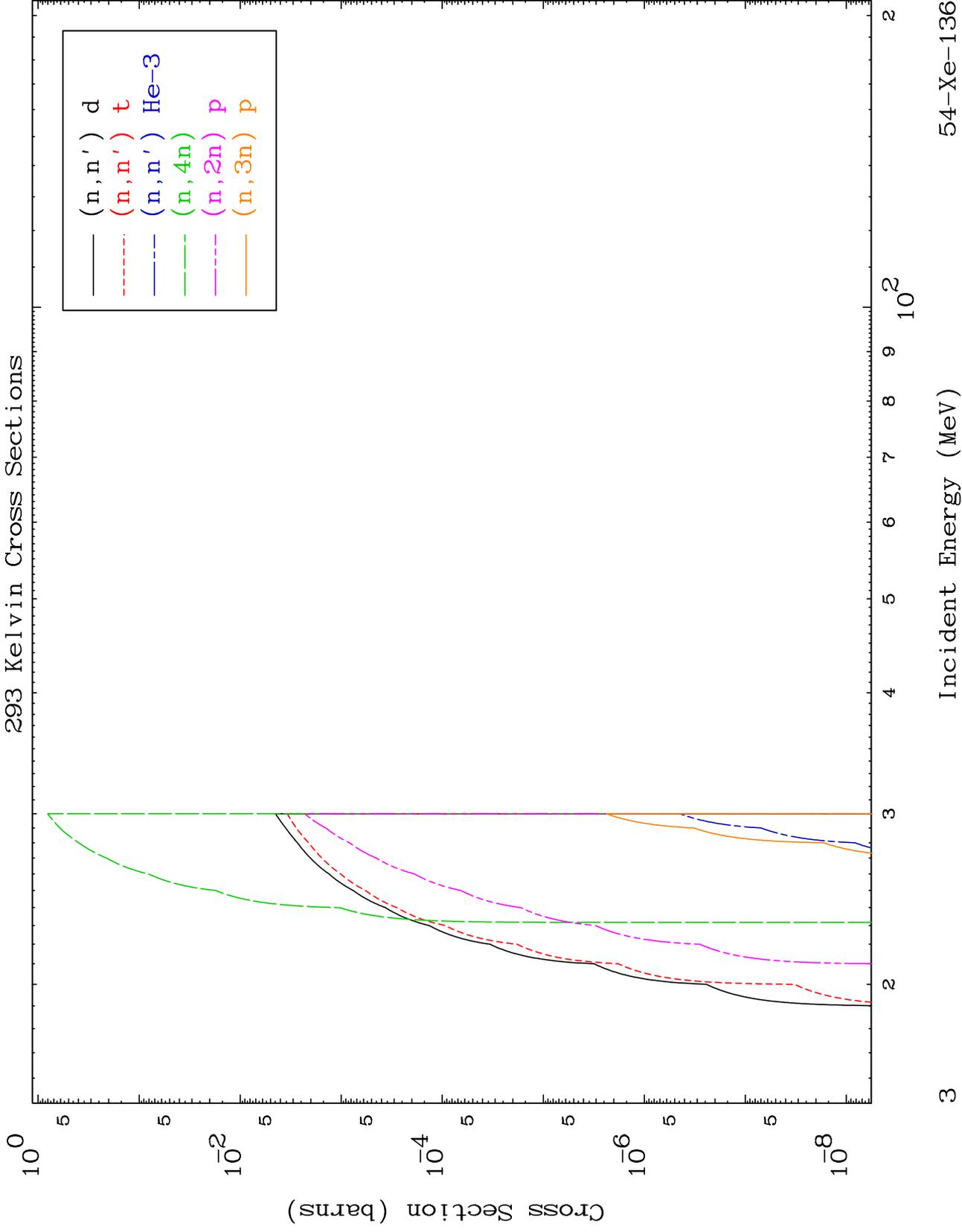
Major
293 Kelvin Cross Sections

54-Xe-136



Neutron Production
293 Kelvin Cross Sections

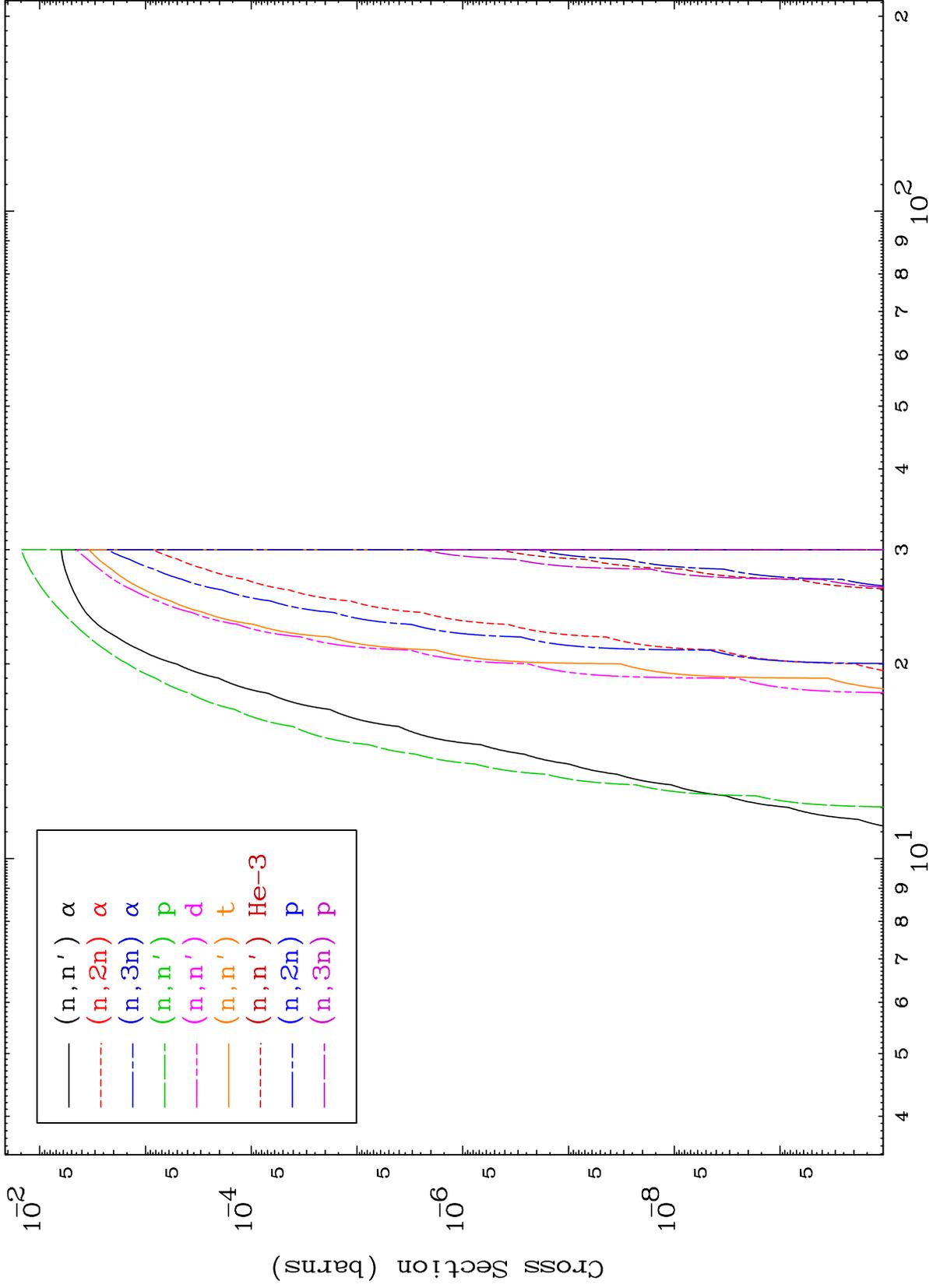




MAT 5461

Charged Particle
293 Kelvin Cross Sections

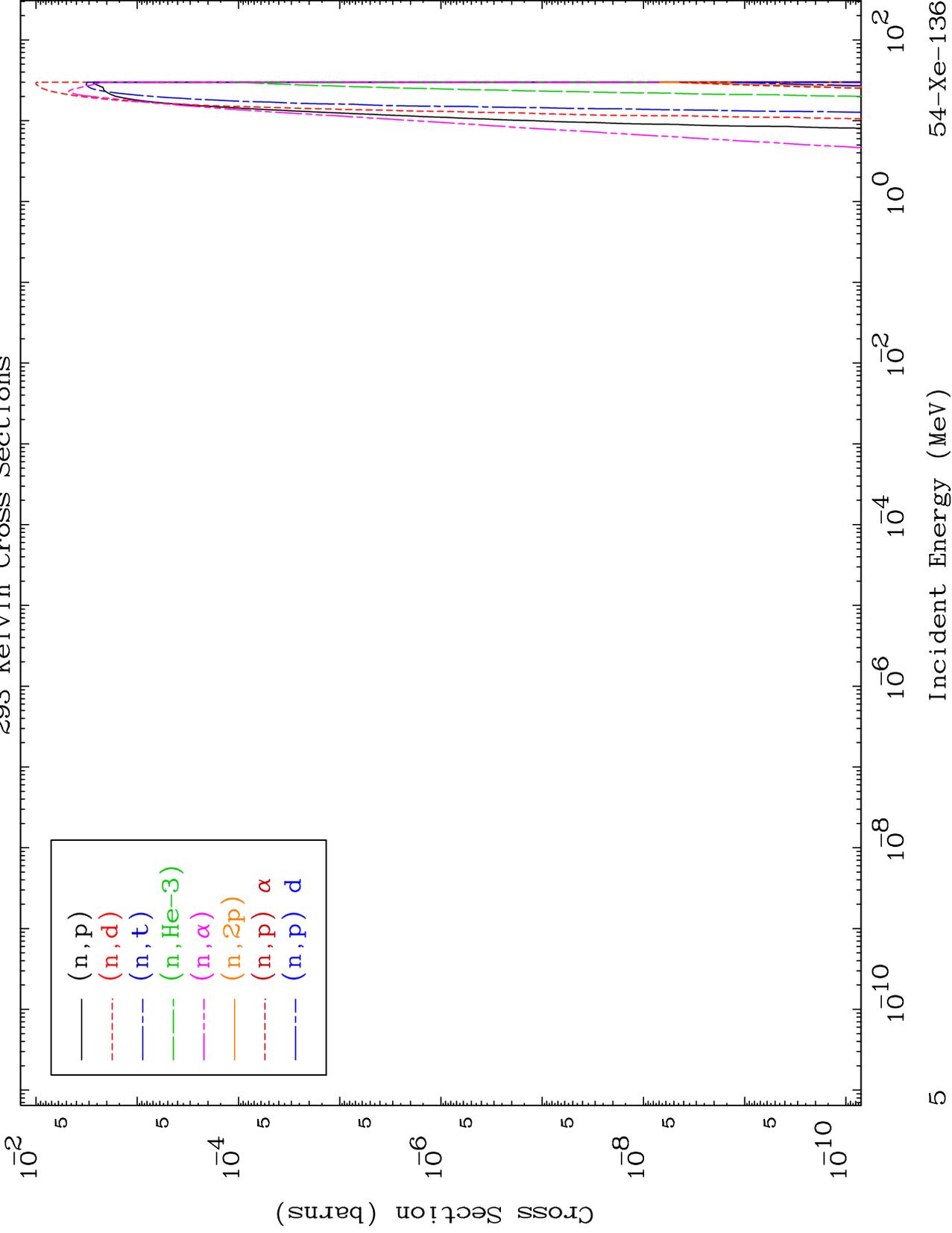
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MAT 5461

Charged Particle
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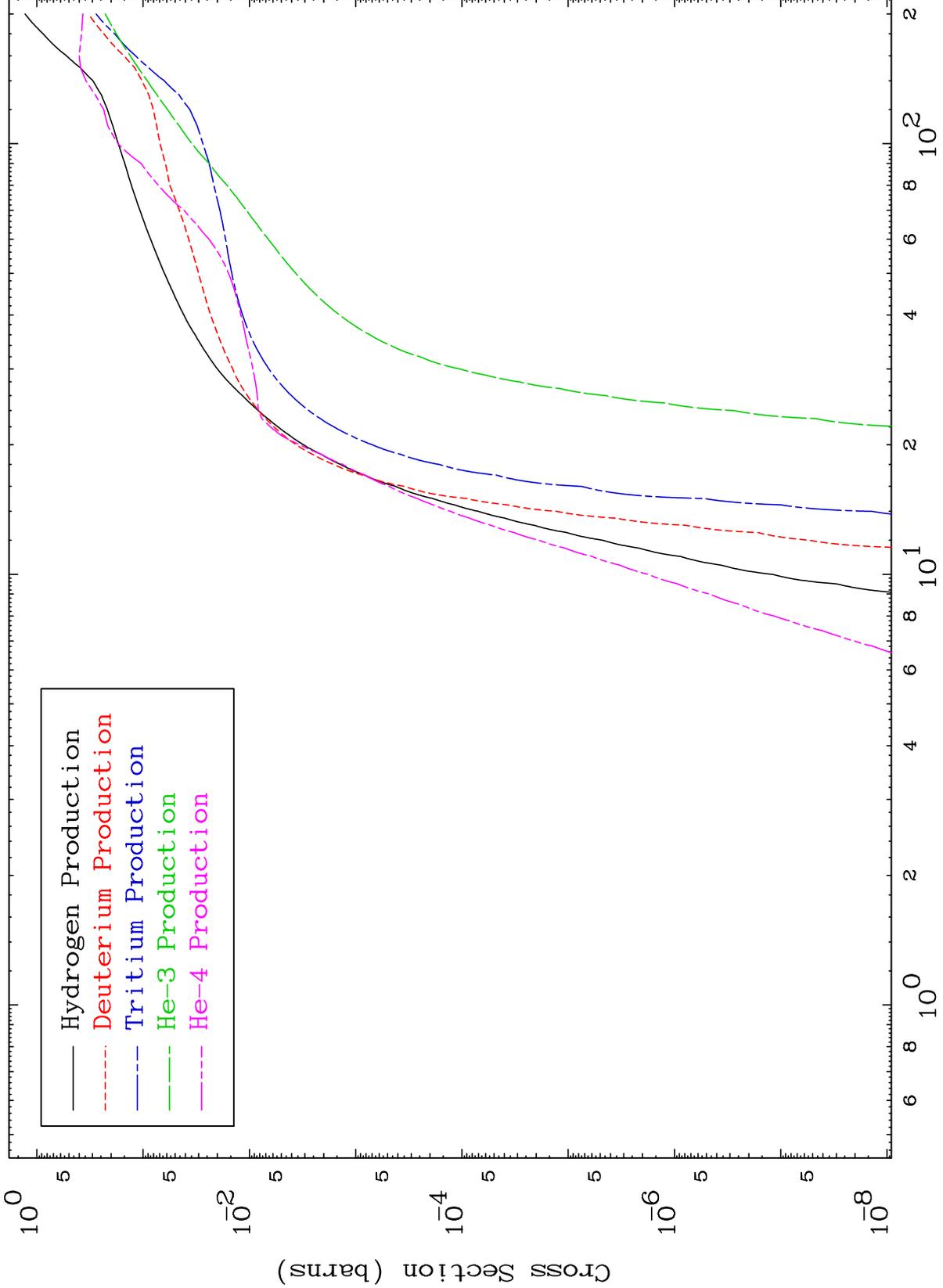
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MAT 5461

Particle Production
293 Kelvin Cross Sections

54-Xe-136

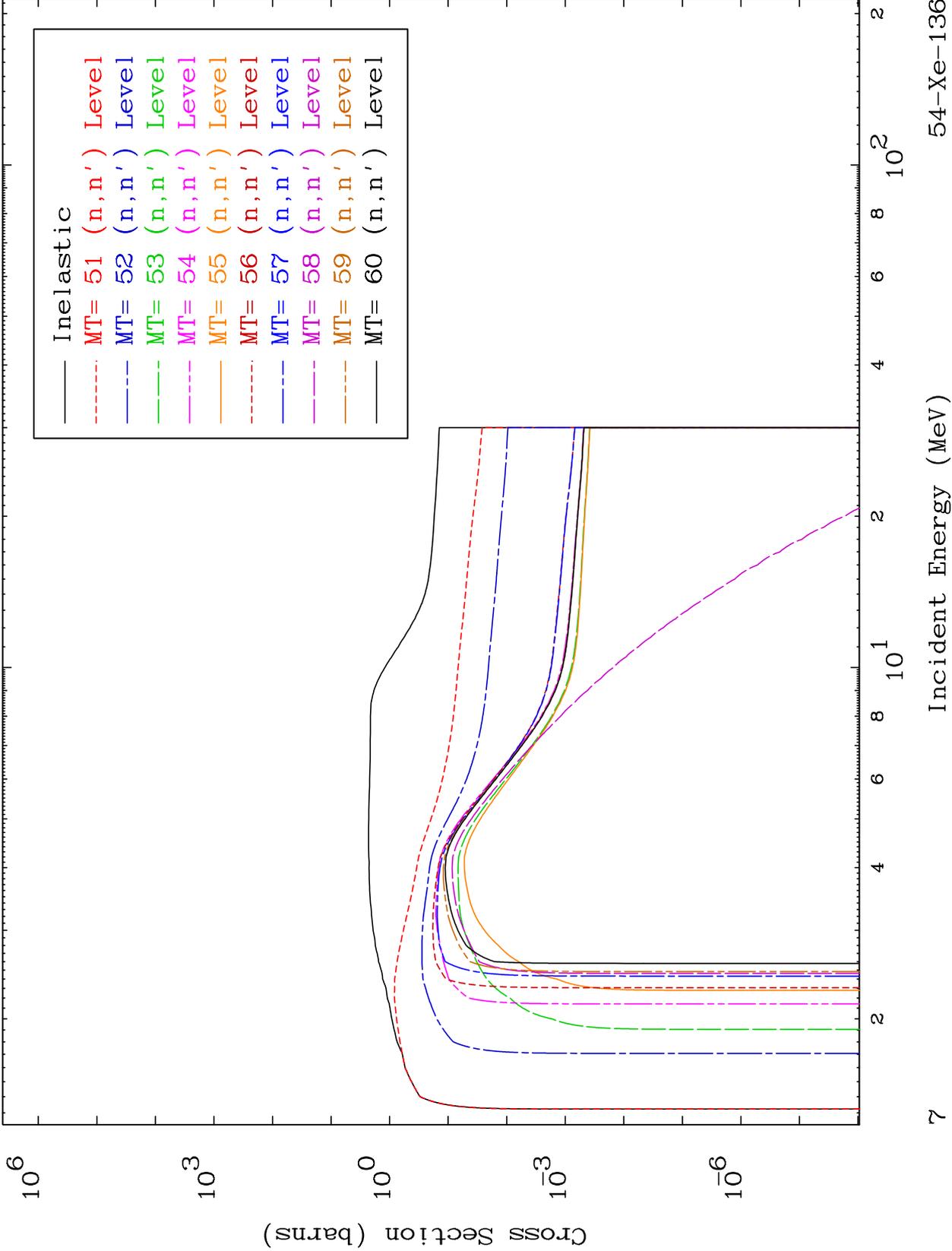


6

Incident Energy (MeV)

54-Xe-136

293 Kelvin Cross Sections

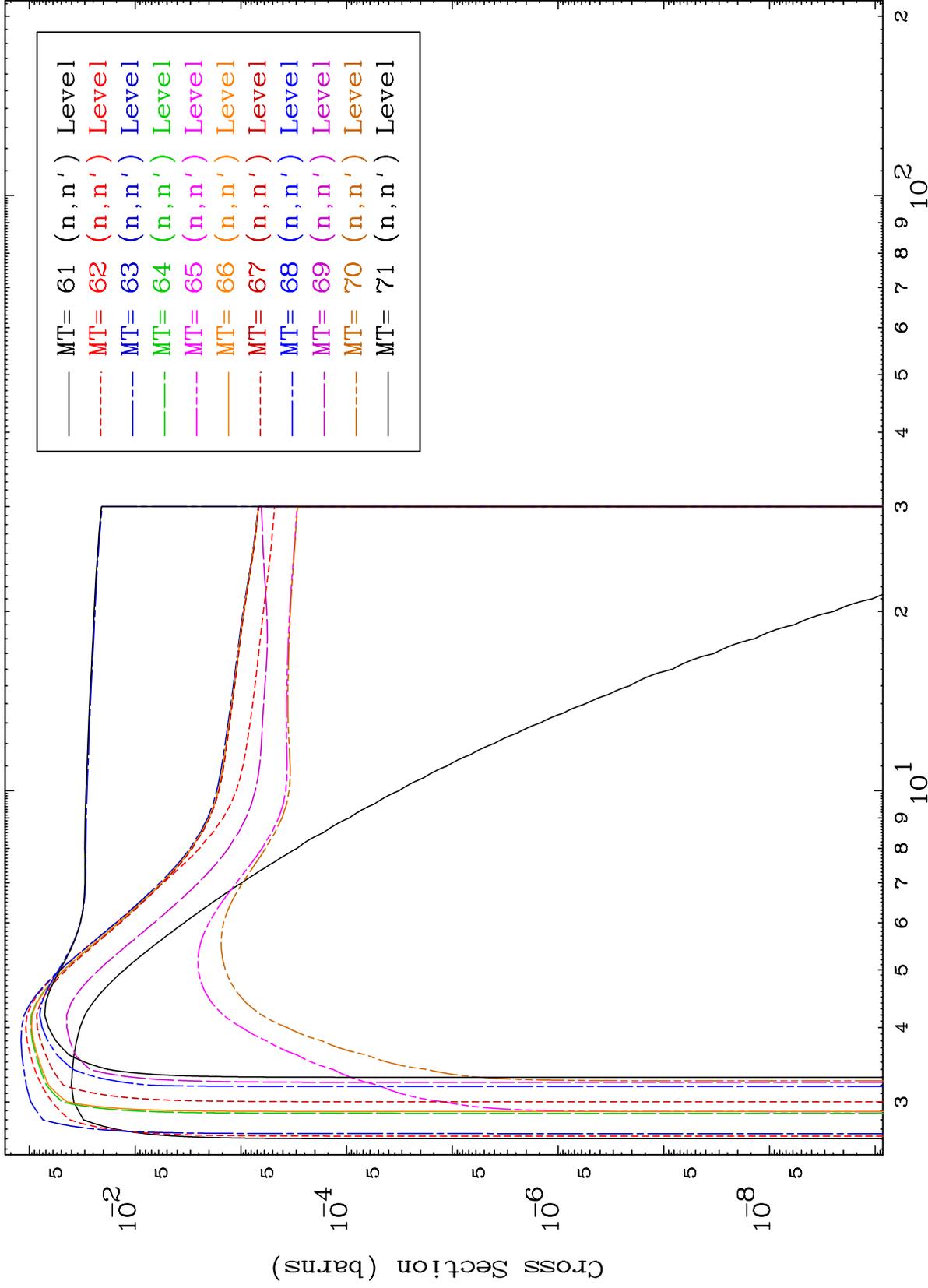


MAT 5461

(n,n') Level

54-Xe-136

293 Kelvin Cross Sections

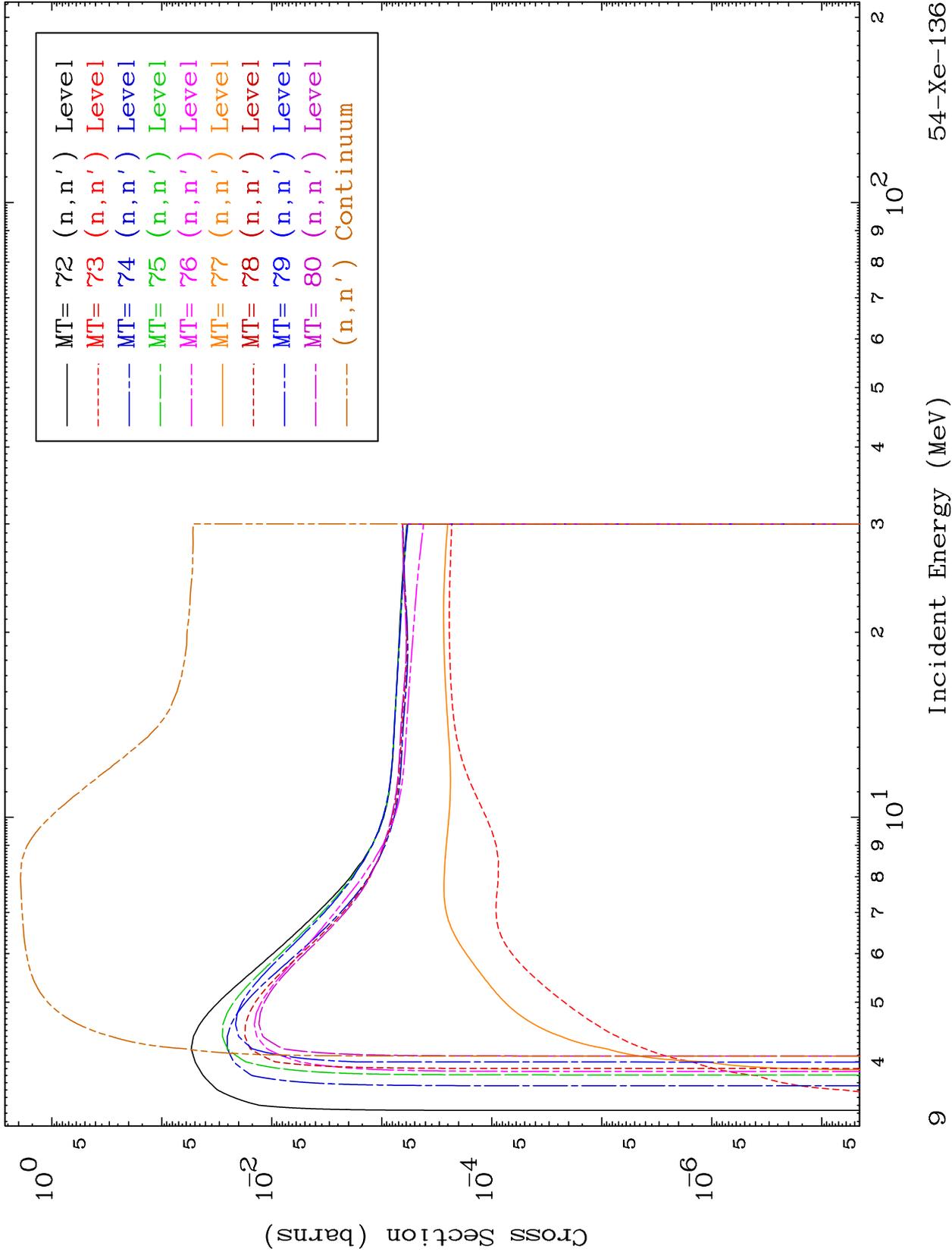


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Incident Energy (MeV)

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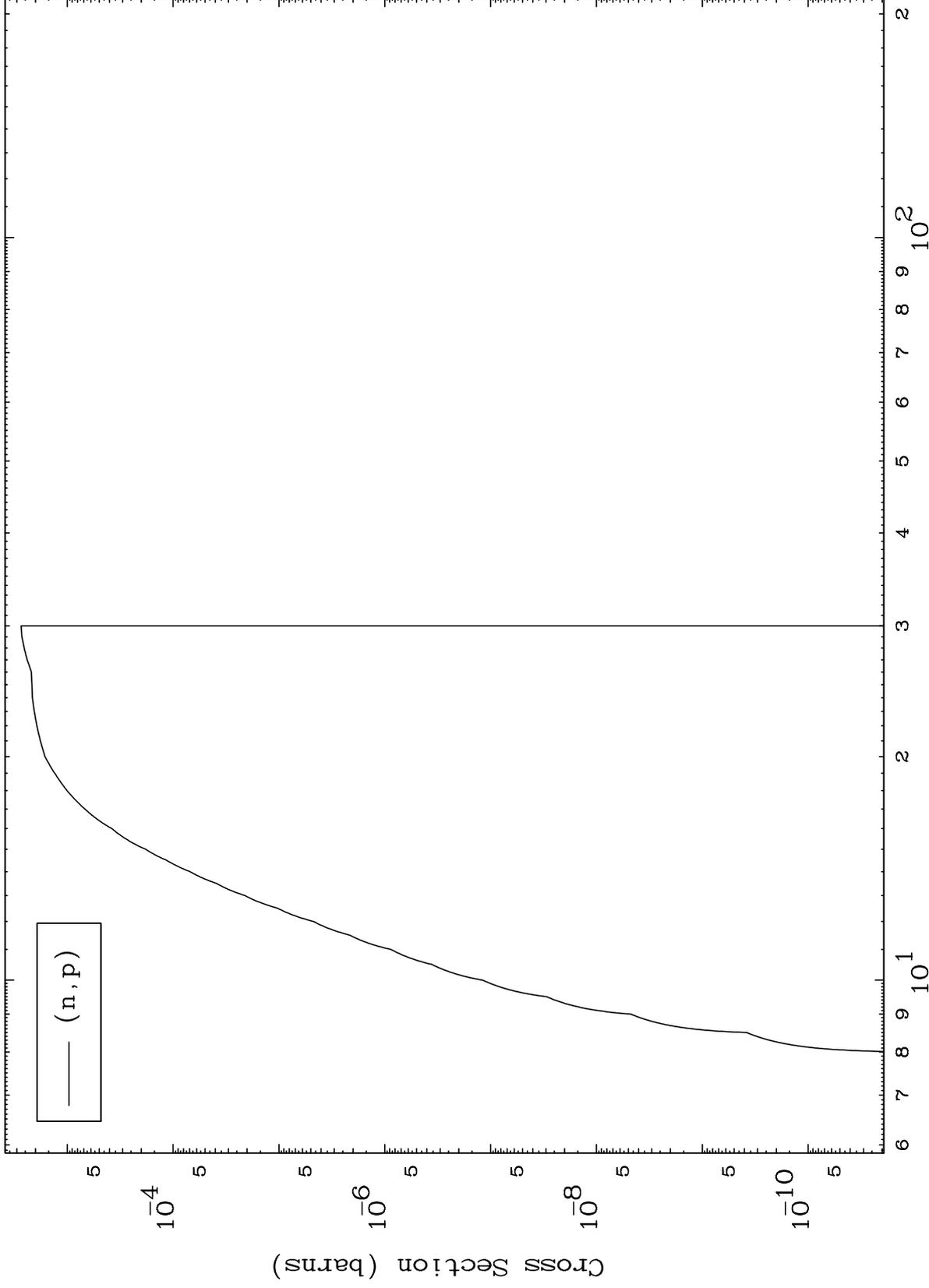
293 Kelvin Cross Sections



MAT 5461

(n,p) Levels
293 Kelvin Cross Sections

54-Xe-136



10

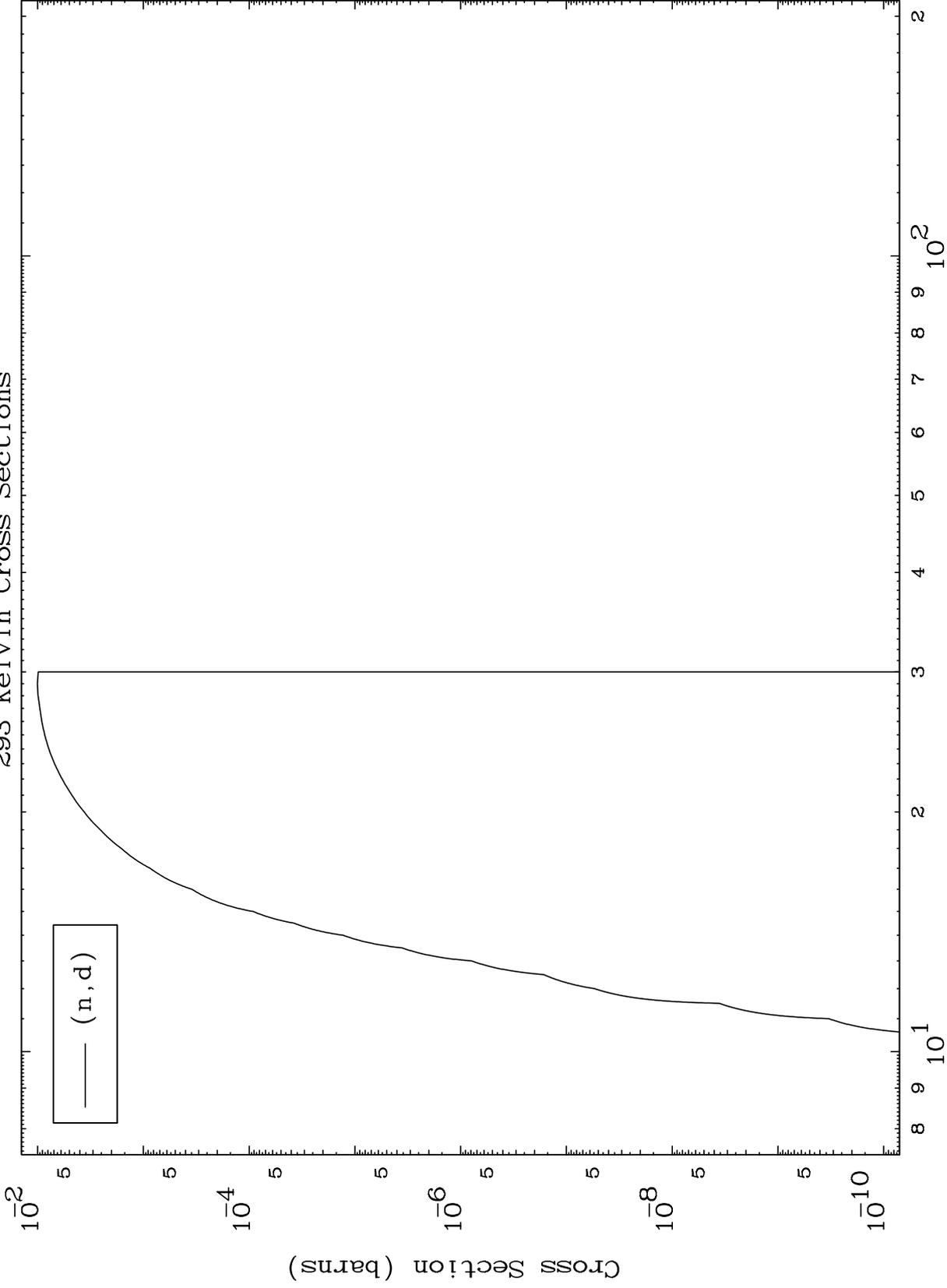
Incident Energy (MeV)

54-Xe-136

MAT 5461

(n,d) Levels
293 Kelvin Cross Sections

54-Xe-136



11

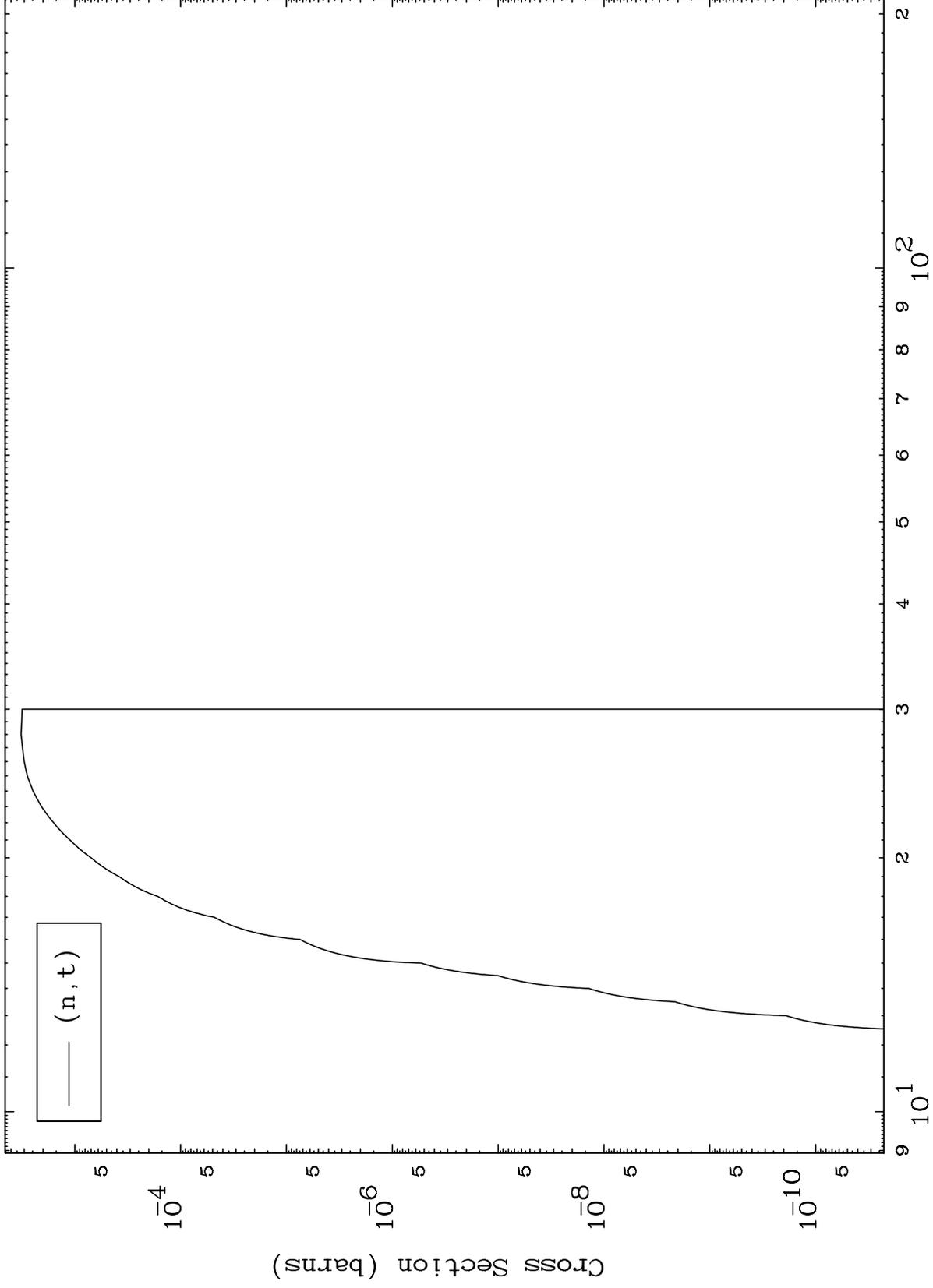
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54-Xe-136

MAT 5461

(n,t) Levels
293 Kelvin Cross Sections

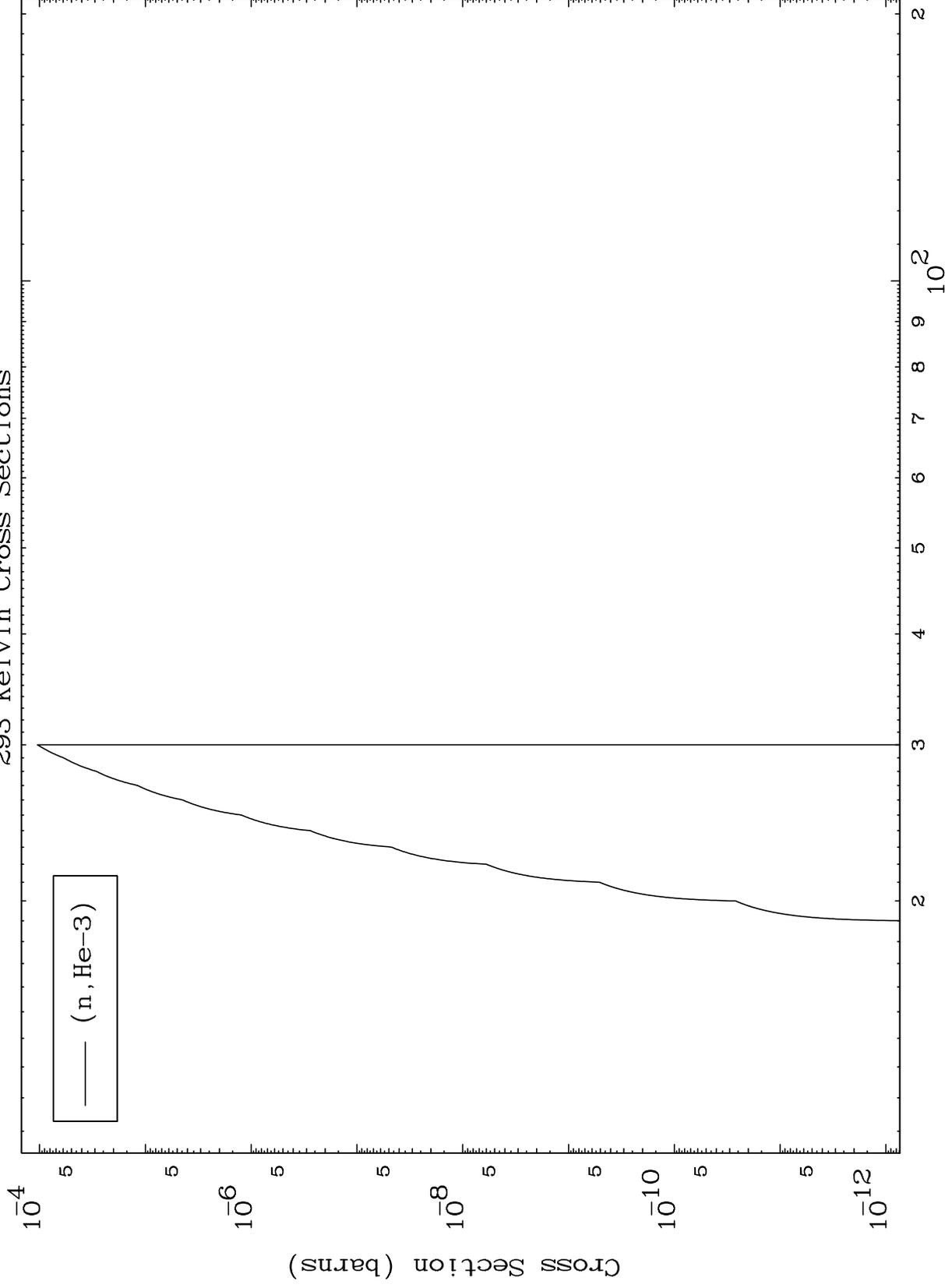
54-Xe-136



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Incident Energy (MeV)

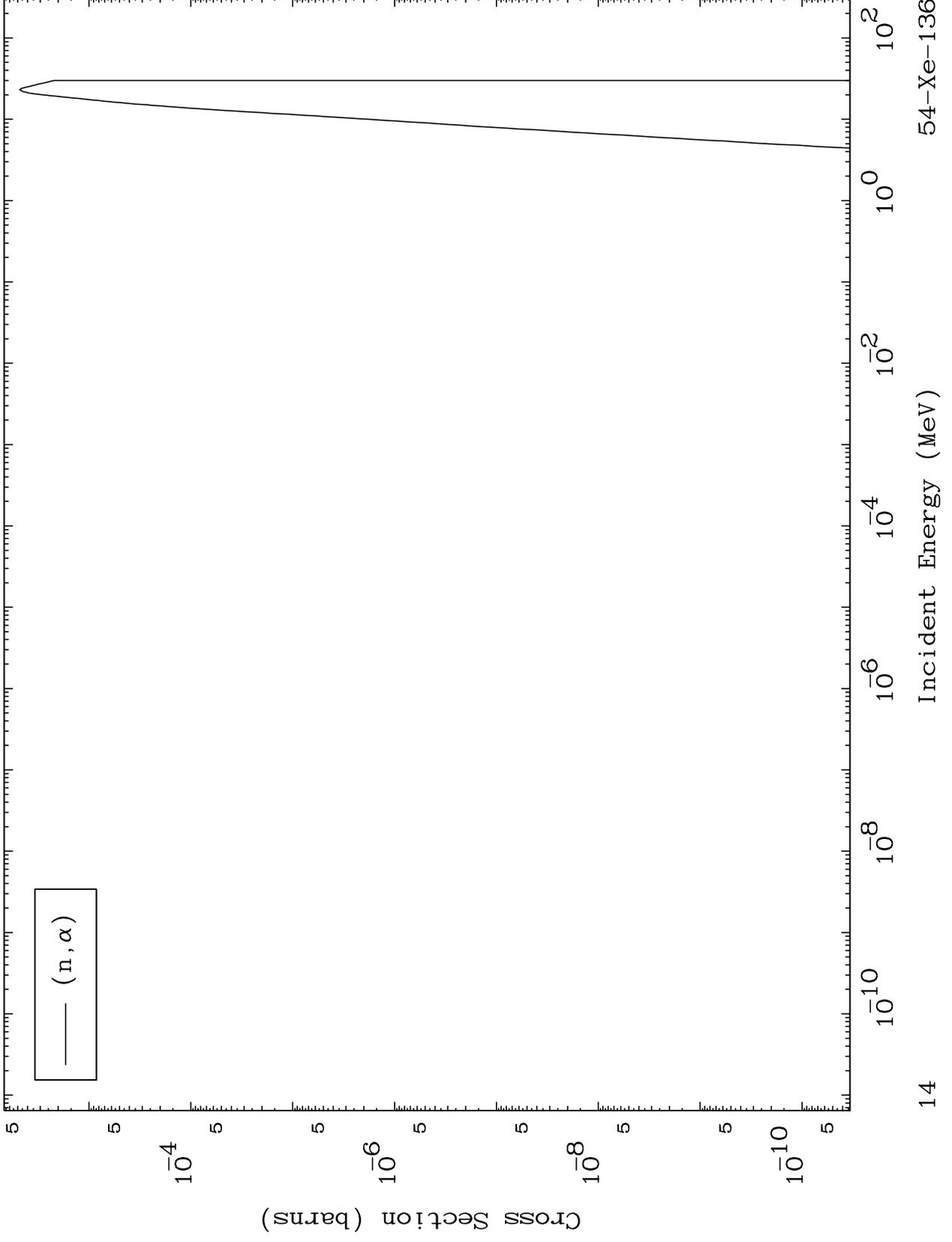
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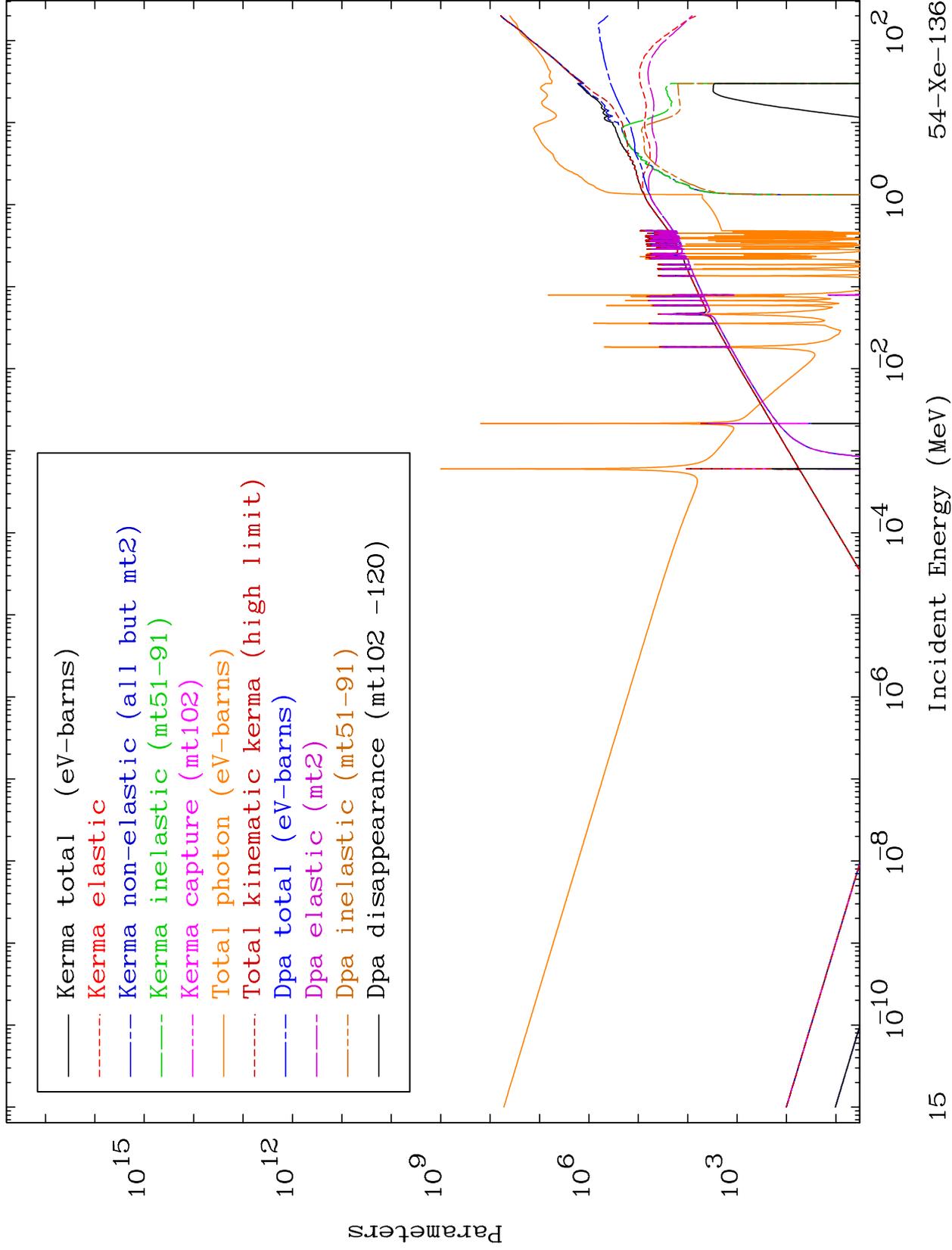


MAT 5461

(n, α) Levels
293 Kelvin Cross Sections

54-Xe-136

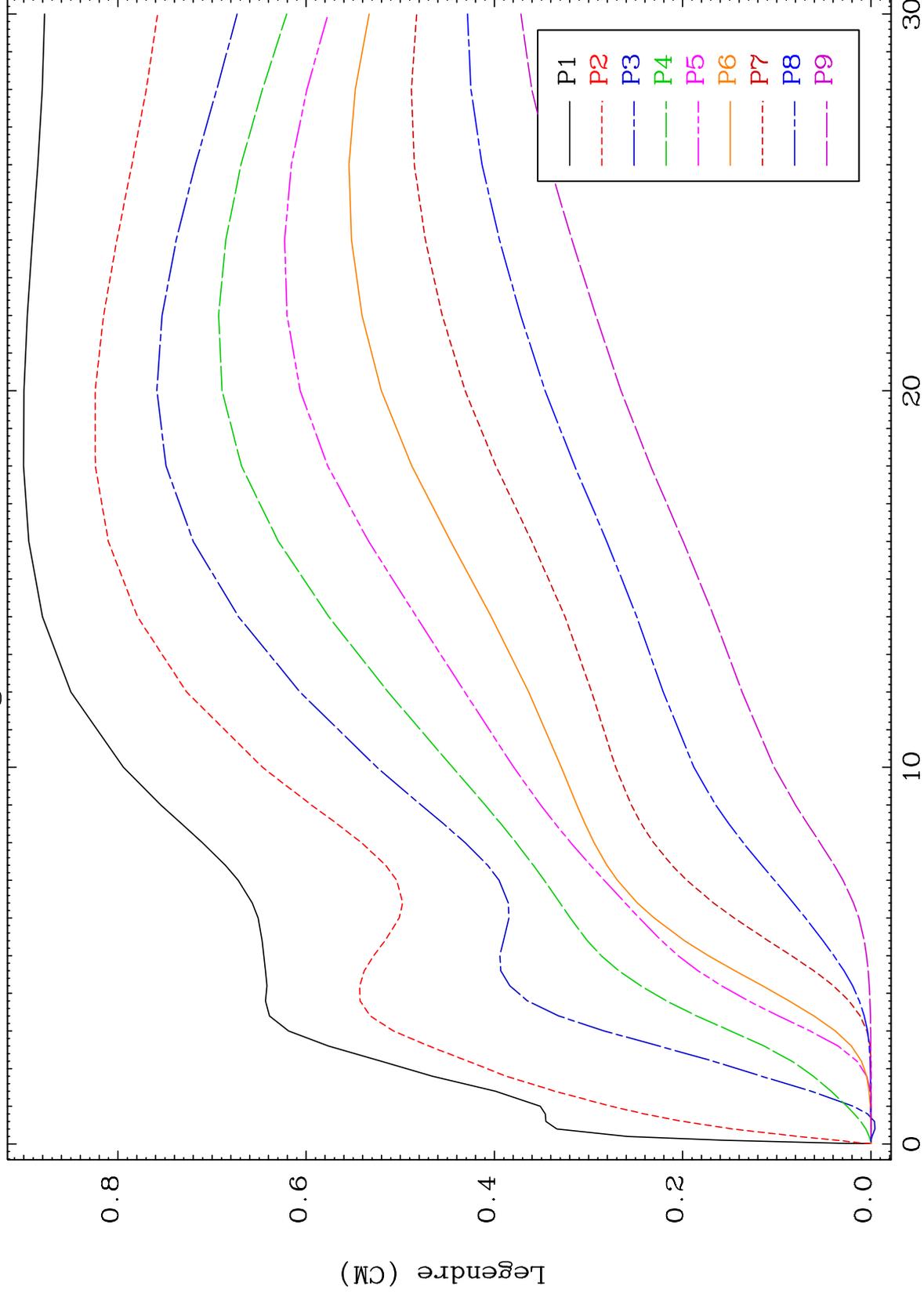




MAT 5461

Elastic Legendre Coefficients

54-Xe-136



16

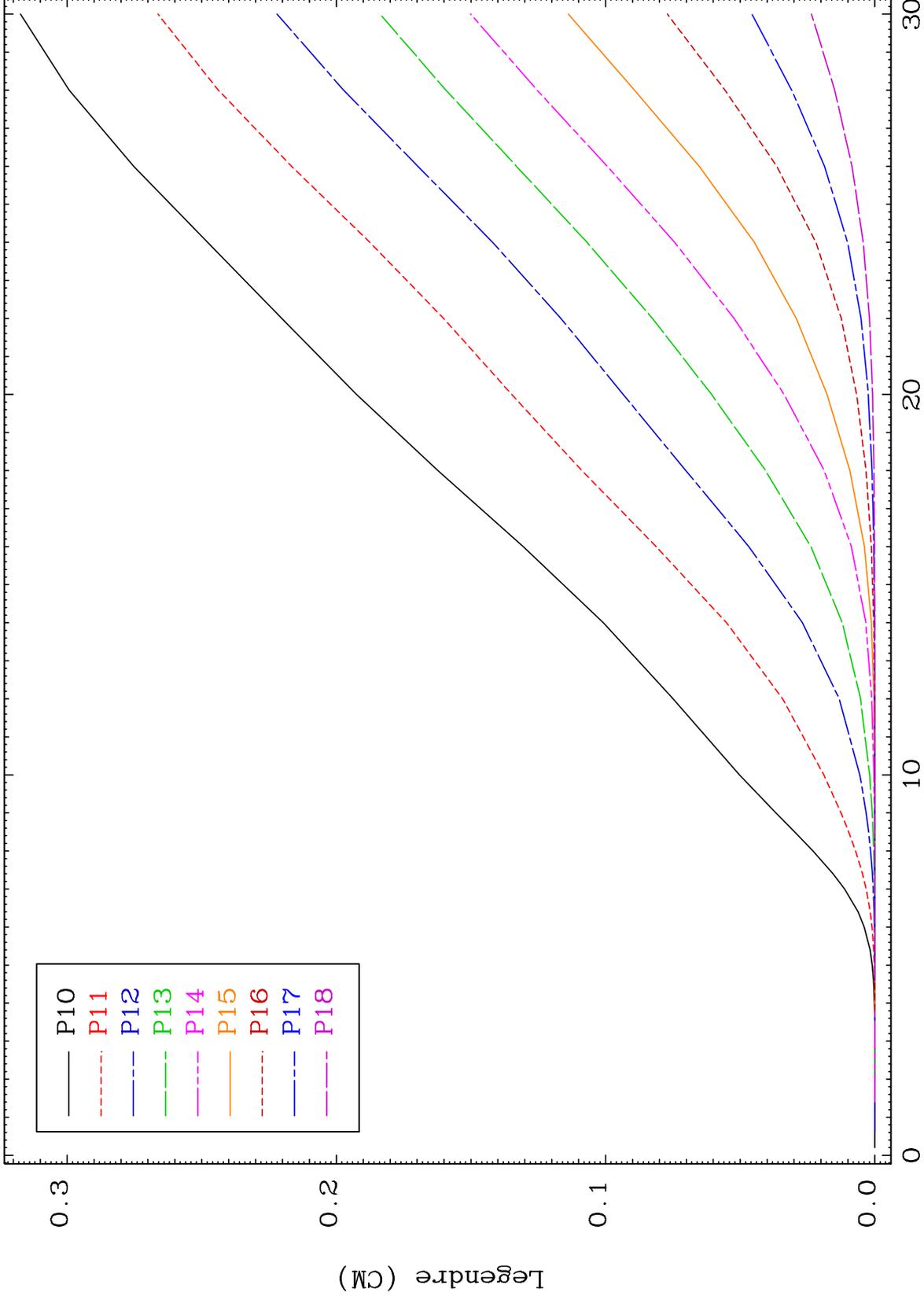
Incident Energy (MeV)

54-Xe-136

MAT 5461

Elastic Legendre Coefficients

54-Xe-136



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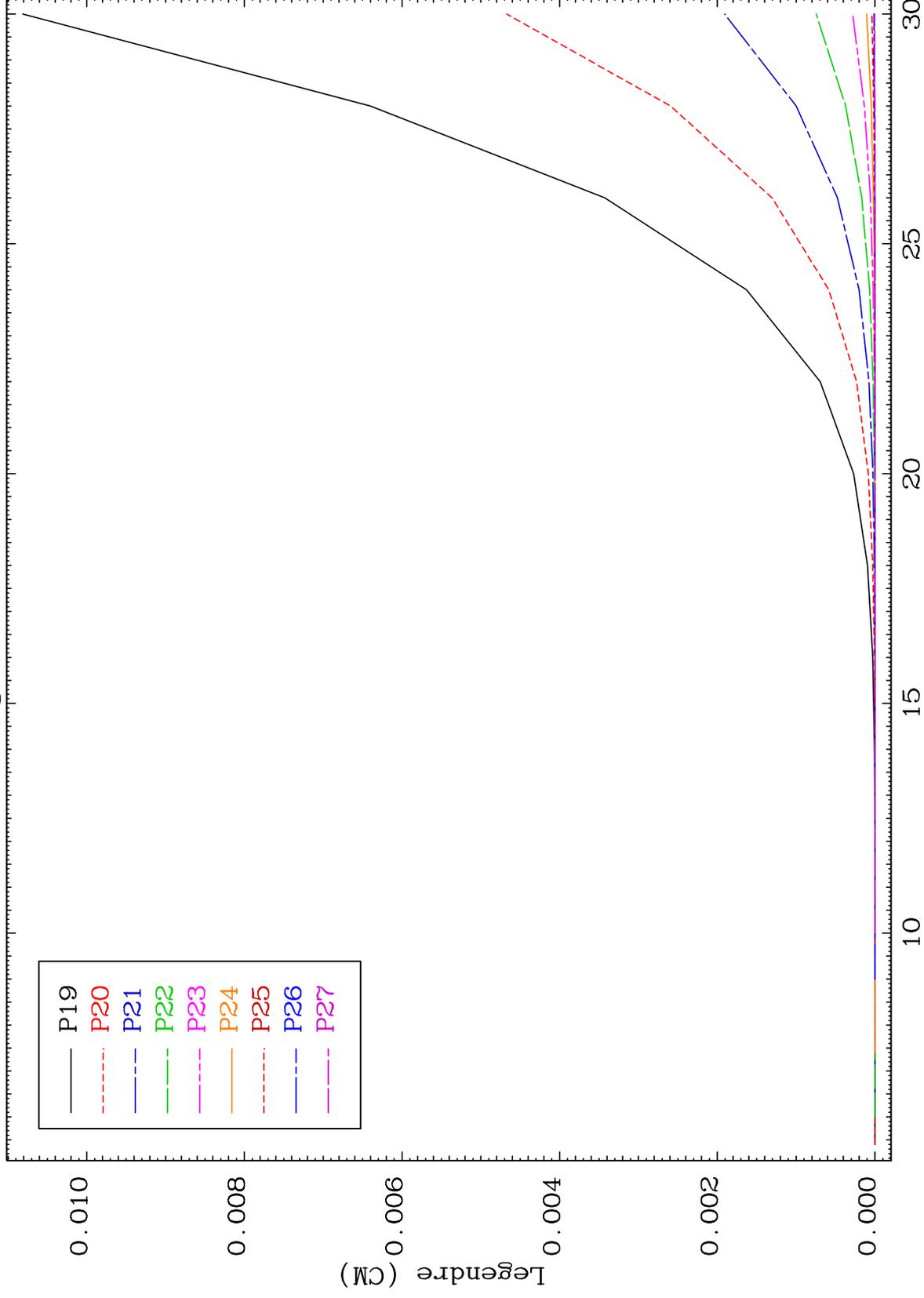
Incident Energy (MeV)

54-Xe-136

MAT 5461

Elastic Legendre Coefficients

54-Xe-136



18

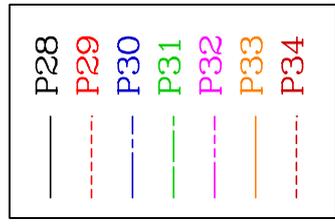
Incident Energy (MeV)

54-Xe-136

MAT 5461

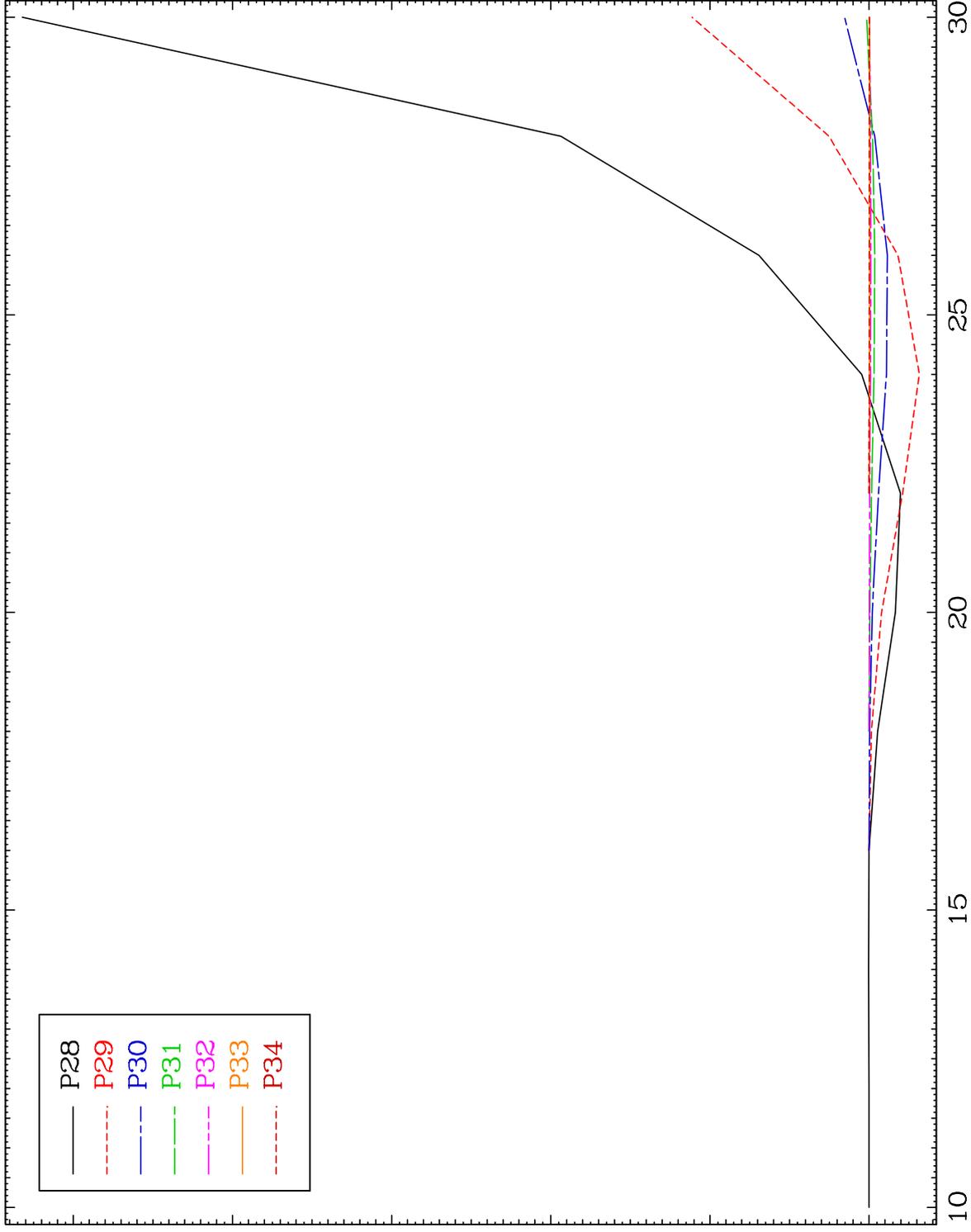
Elastic
Legendre Coefficients

54-Xe-136



$\times 10^{-6}$

Legendre (CM)



10

Incident Energy (MeV)

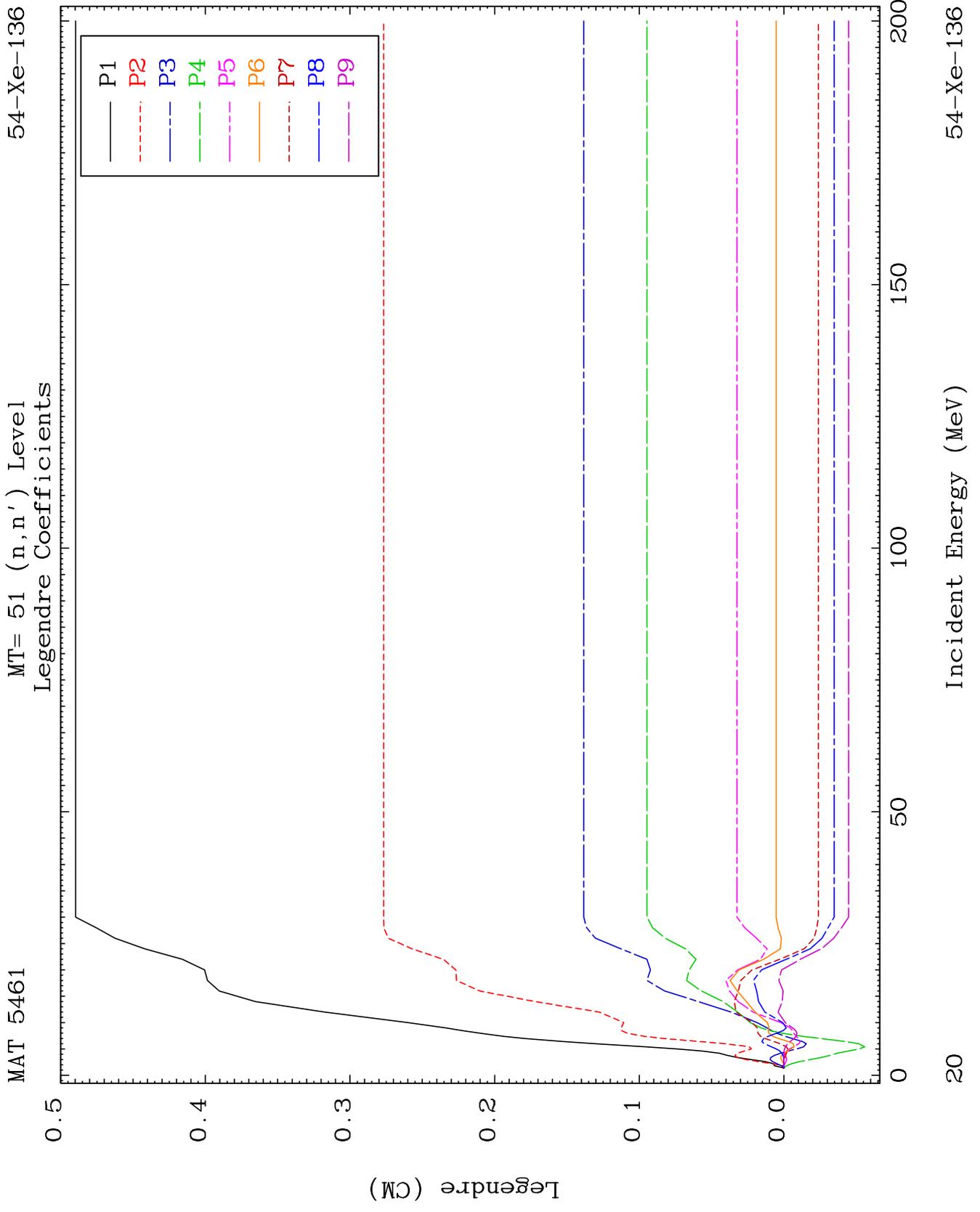
54-Xe-136

15

20

25

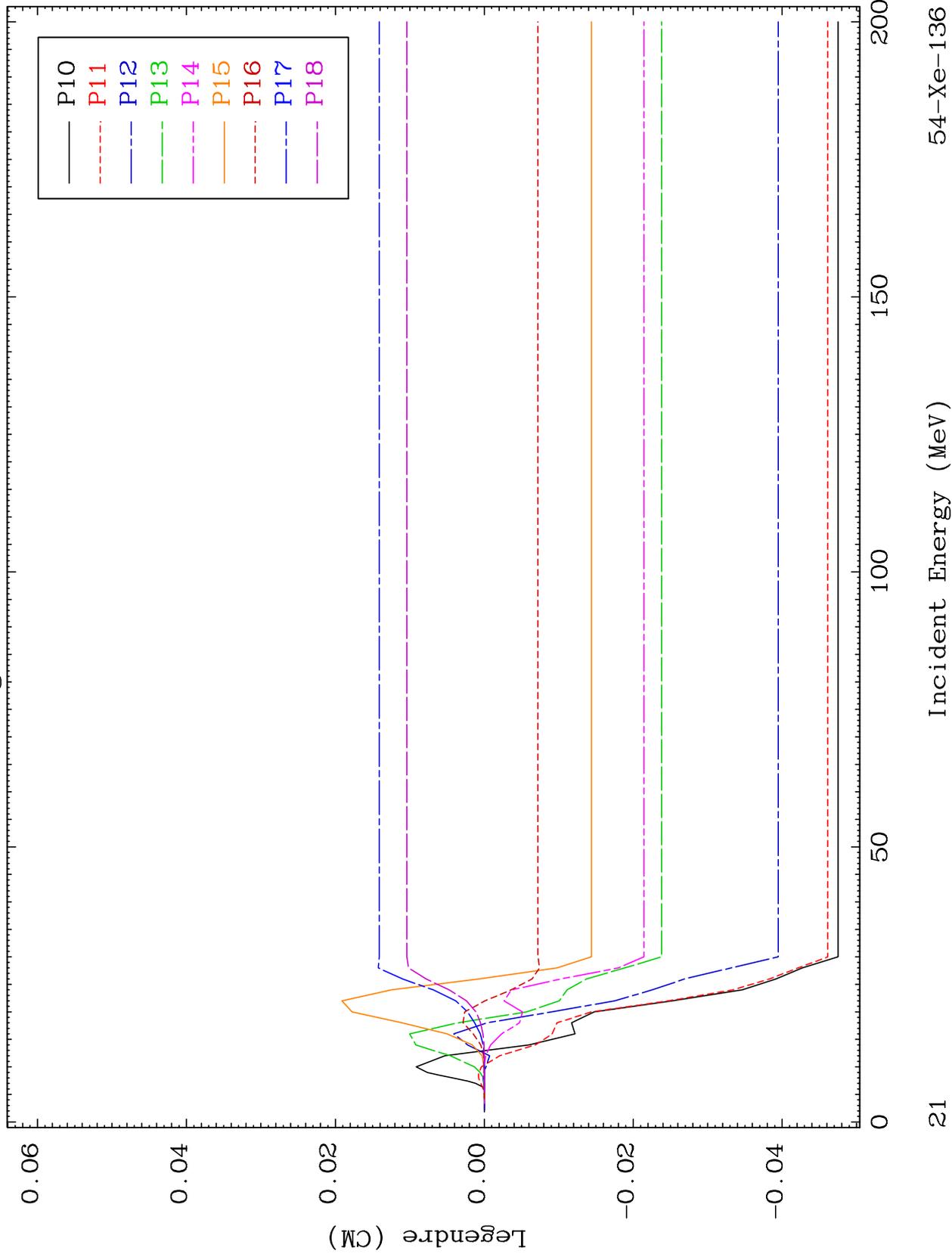
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MAT 5461

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

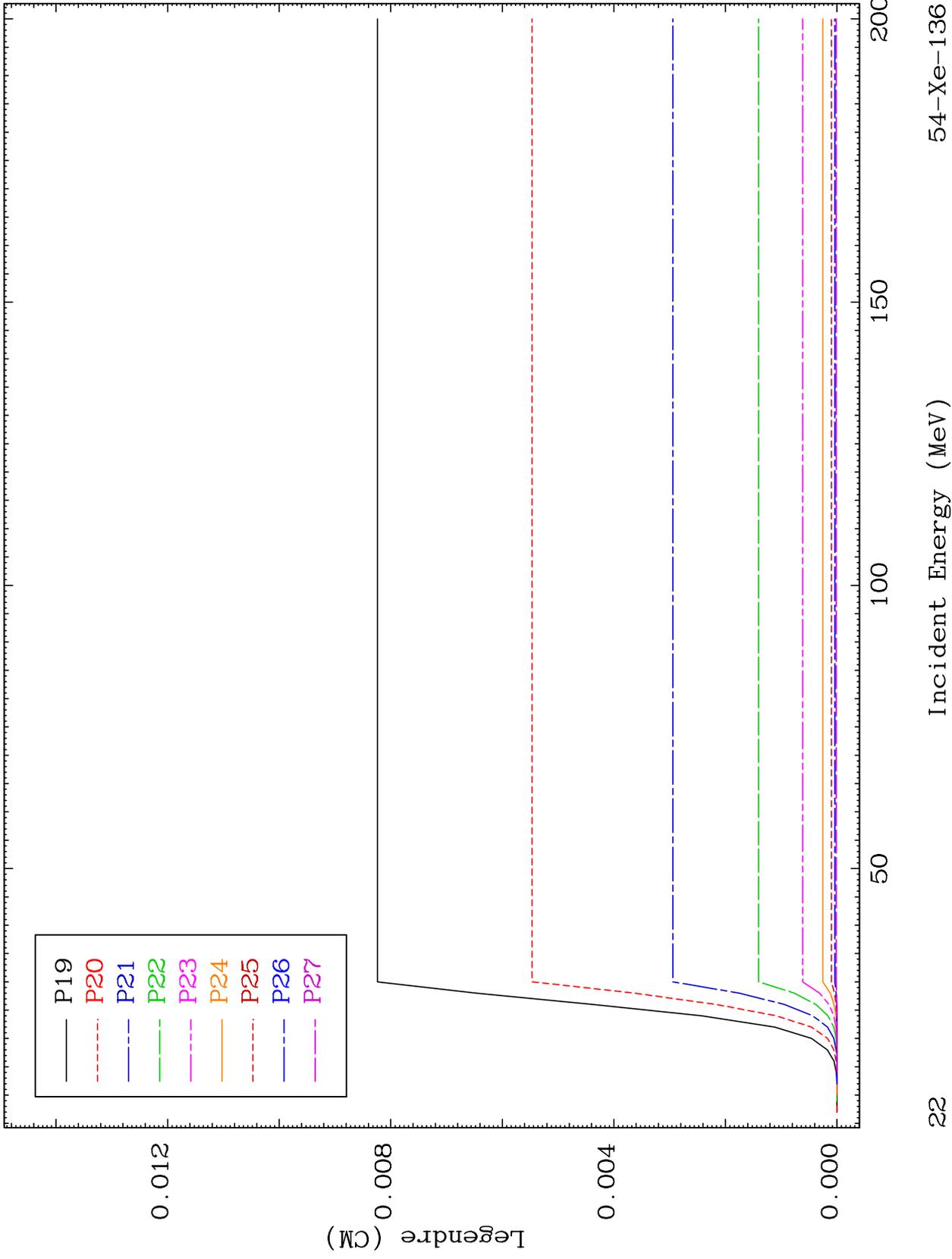
54-Xe-136



54-Xe-136

Incident Energy (MeV)

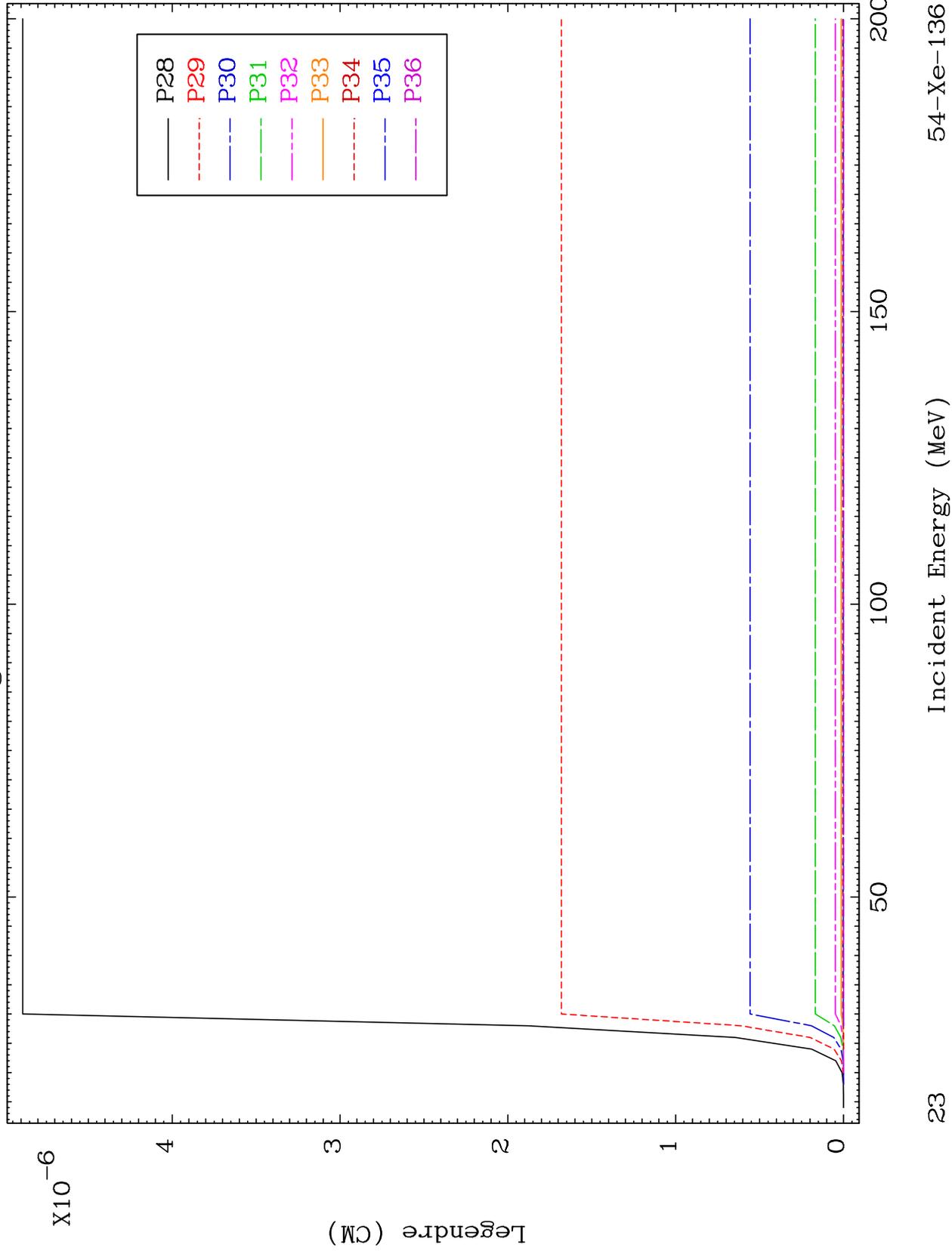
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MAT 5461

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

54-Xe-136

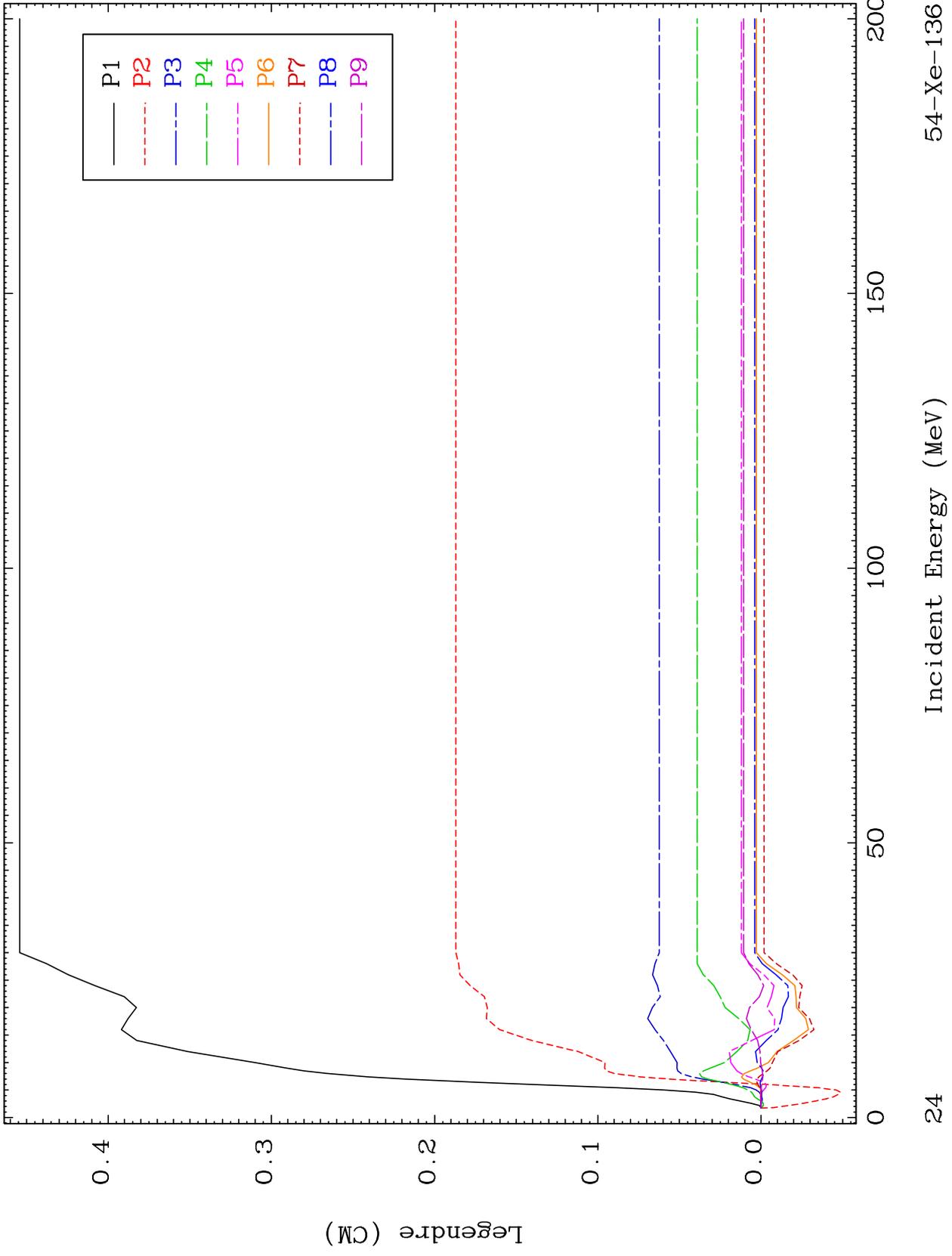


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MAT 5461

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

54-Xe-136



54-Xe-136

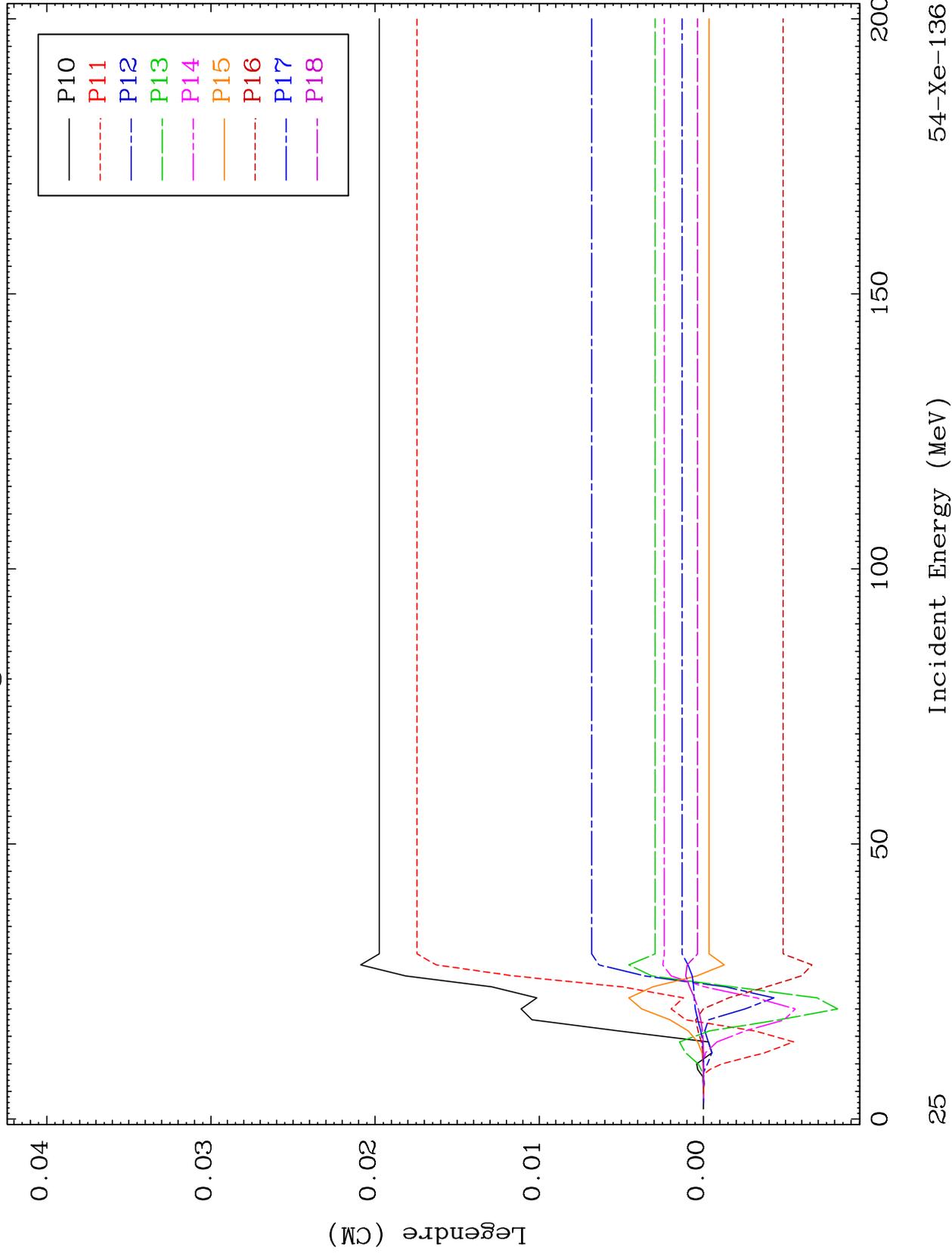
Incident Energy (MeV)

24

MAT 5461

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

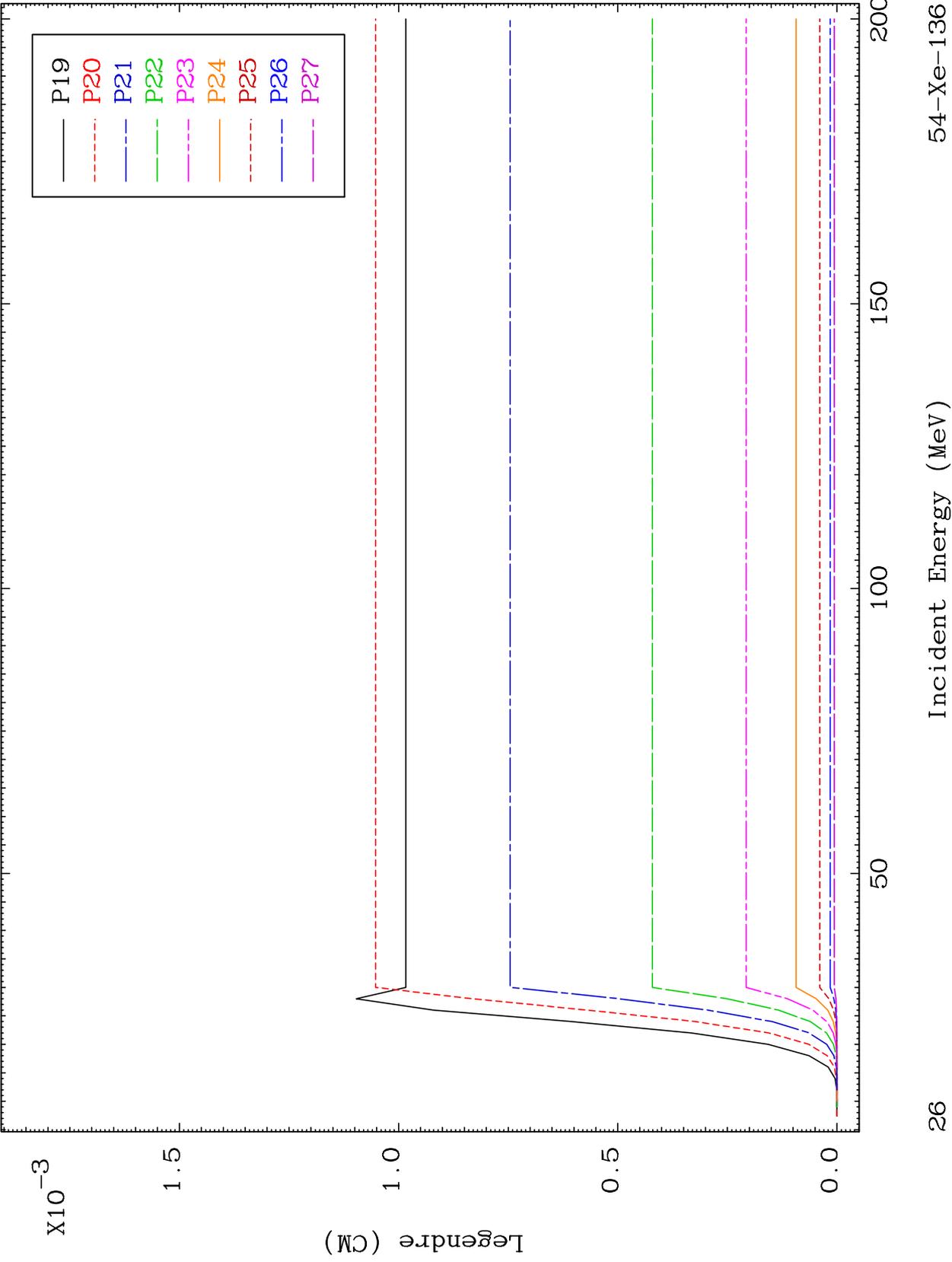
54-Xe-136



54-Xe-136

Incident Energy (MeV)

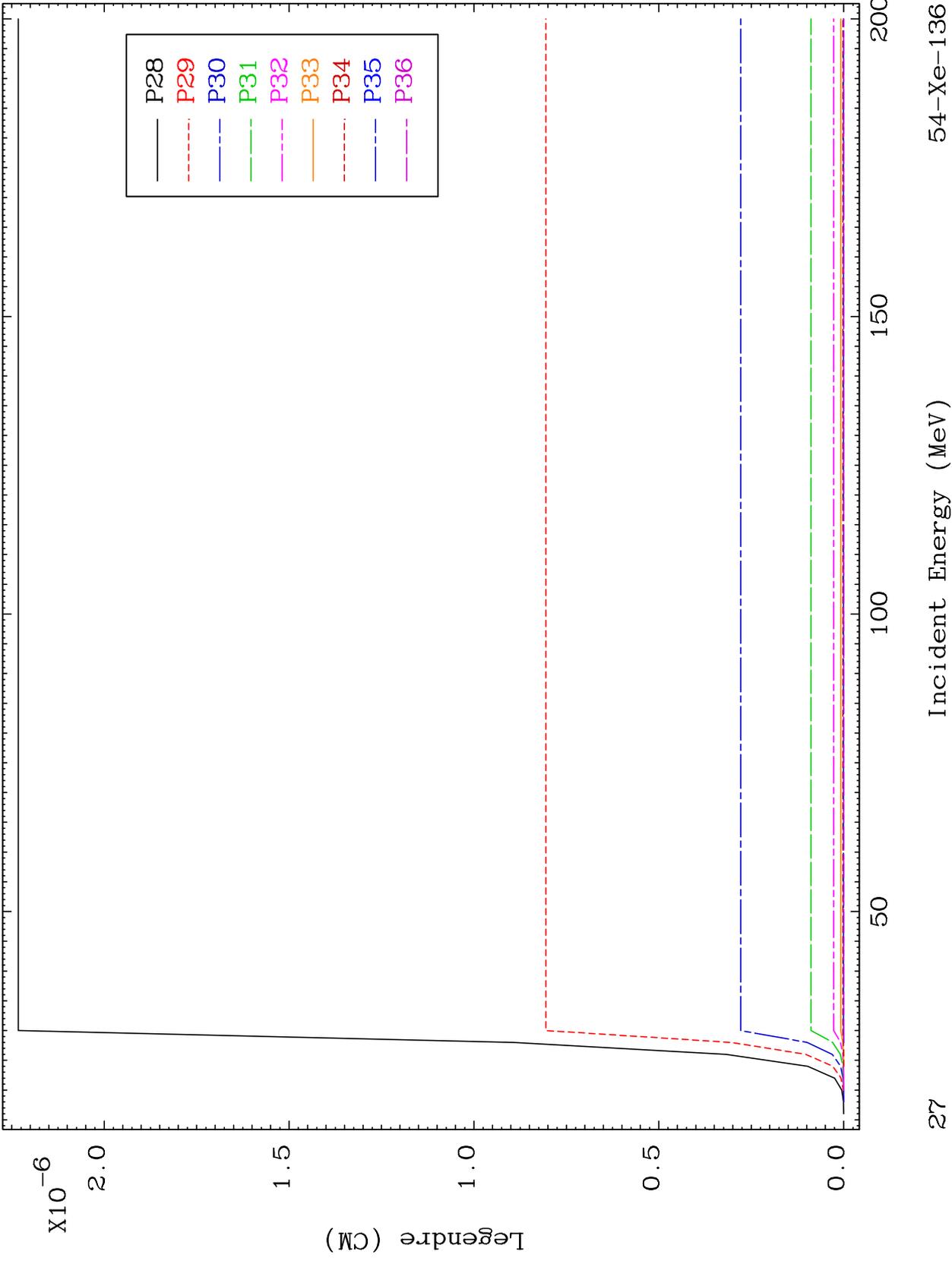
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MAT 5461

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

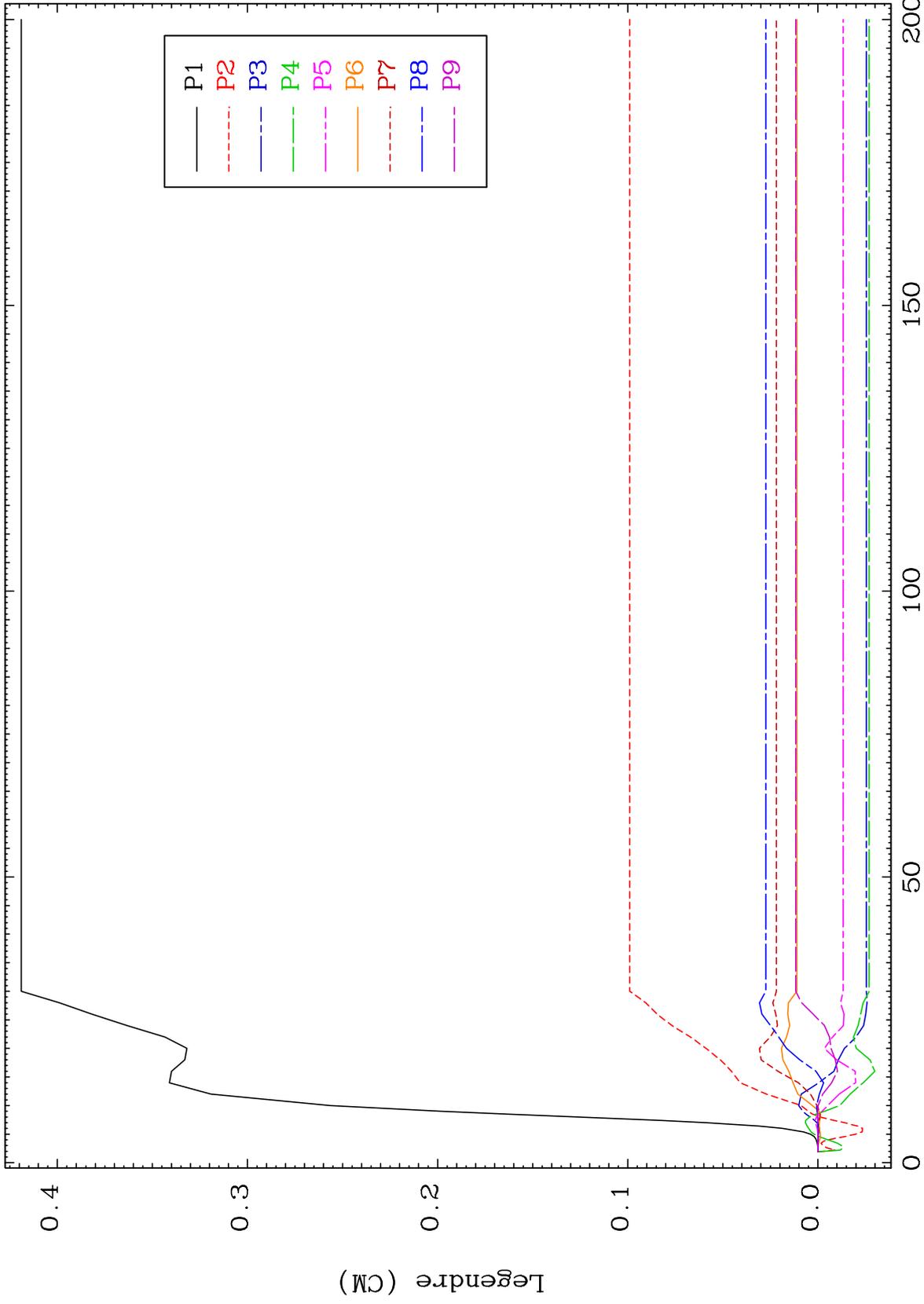
54-Xe-136



MAT 5461

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

54-Xe-136



28

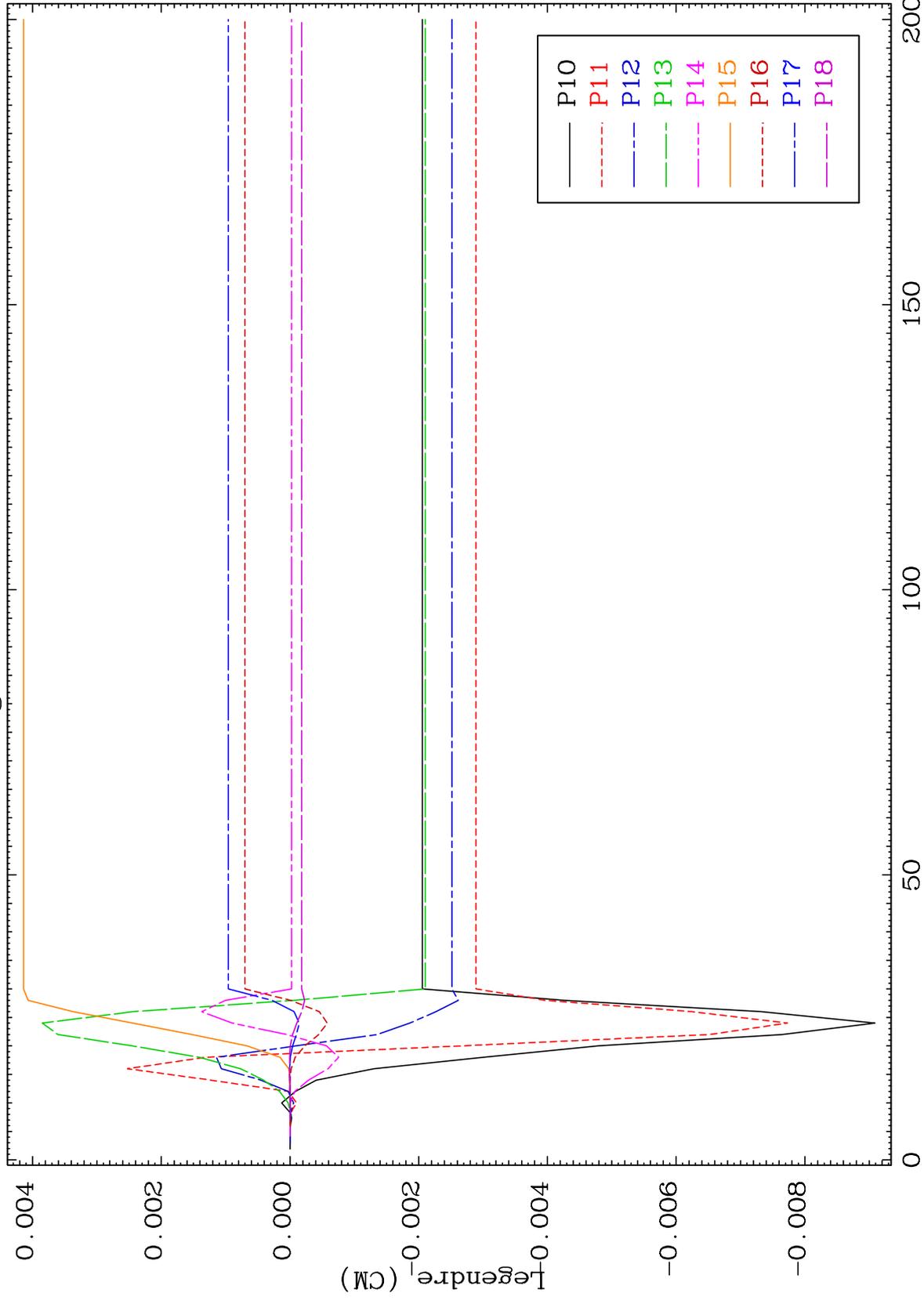
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

54-Xe-136



29

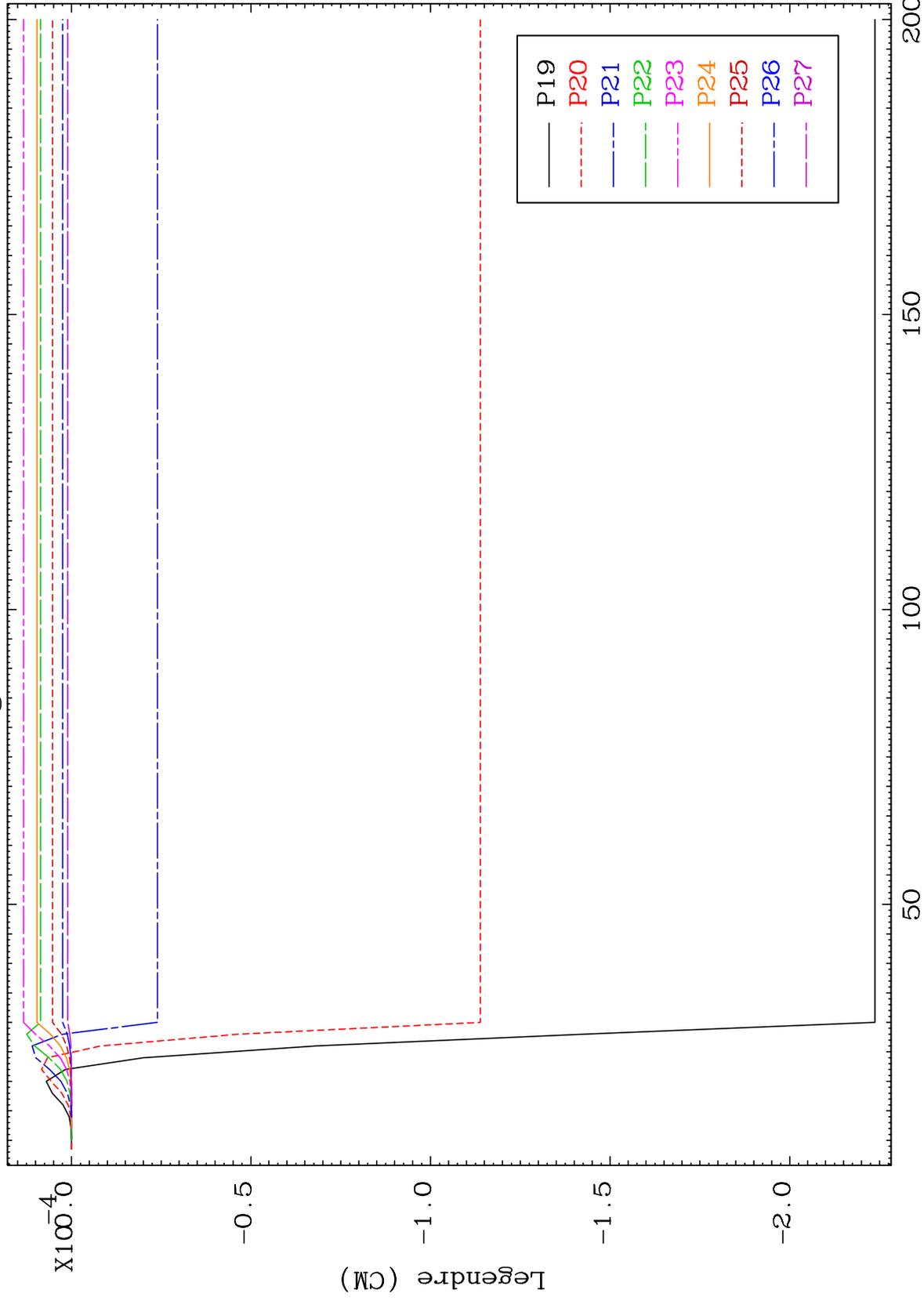
Incident Energy (MeV)

54-Xe-136

MAT 5461

54-Xe-136

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



30

Incident Energy (MeV)

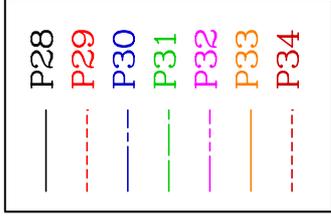
54-Xe-136

MAT 5461

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

54-Xe-136

$\times 10^{-7}$

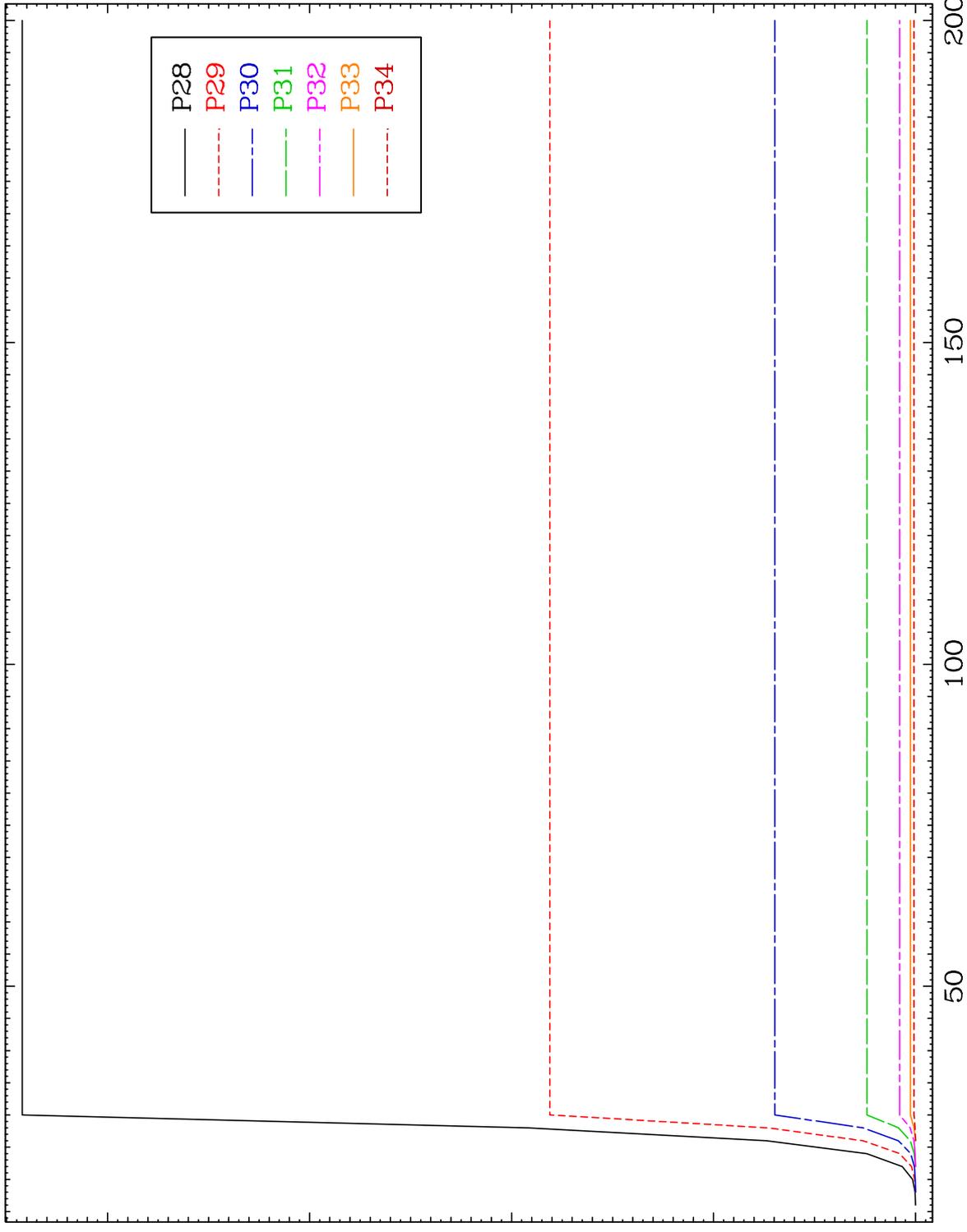


Legendre (CM)

31

Incident Energy (MeV)

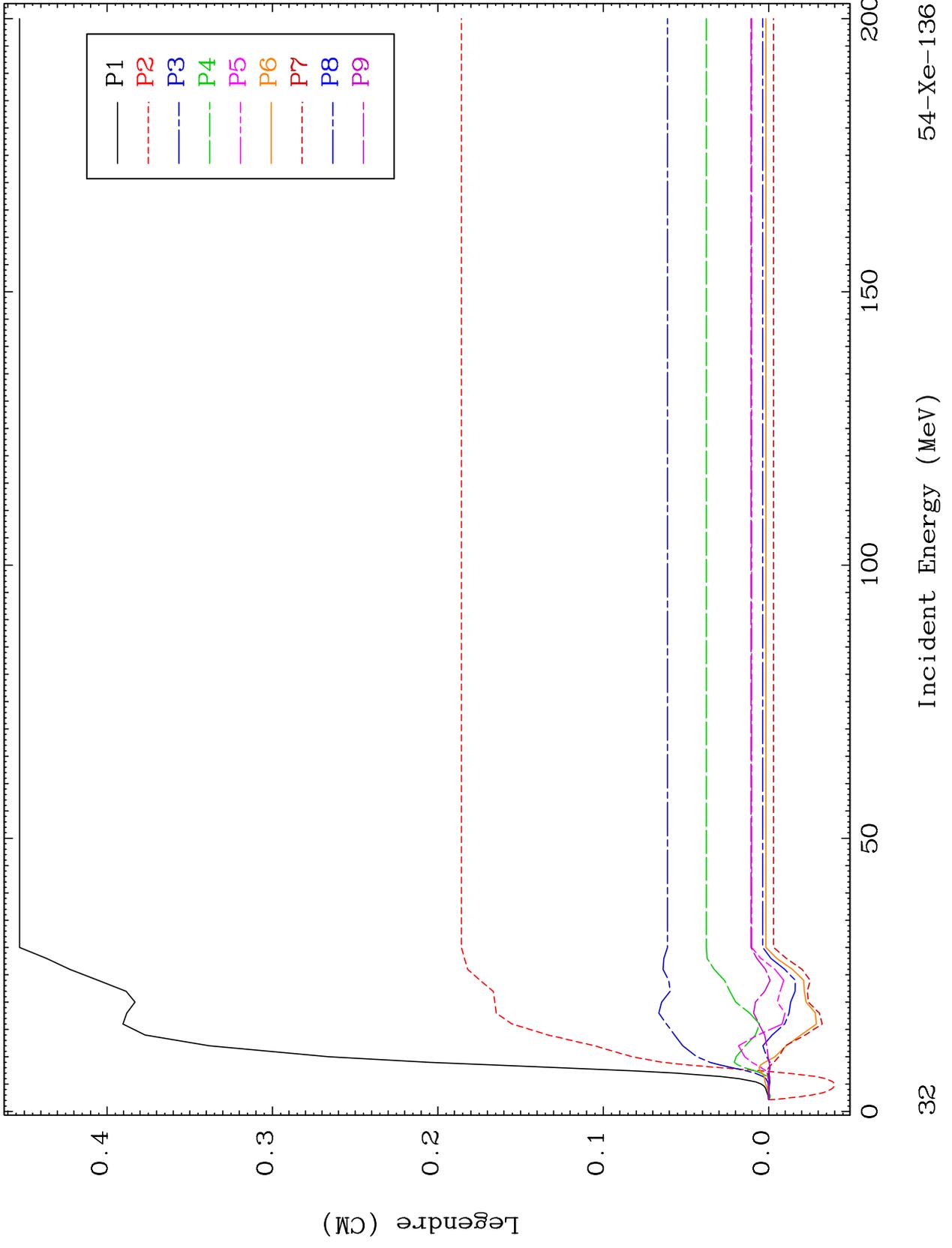
54-Xe-136



MAT 5461

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

54-Xe-136



54-Xe-136

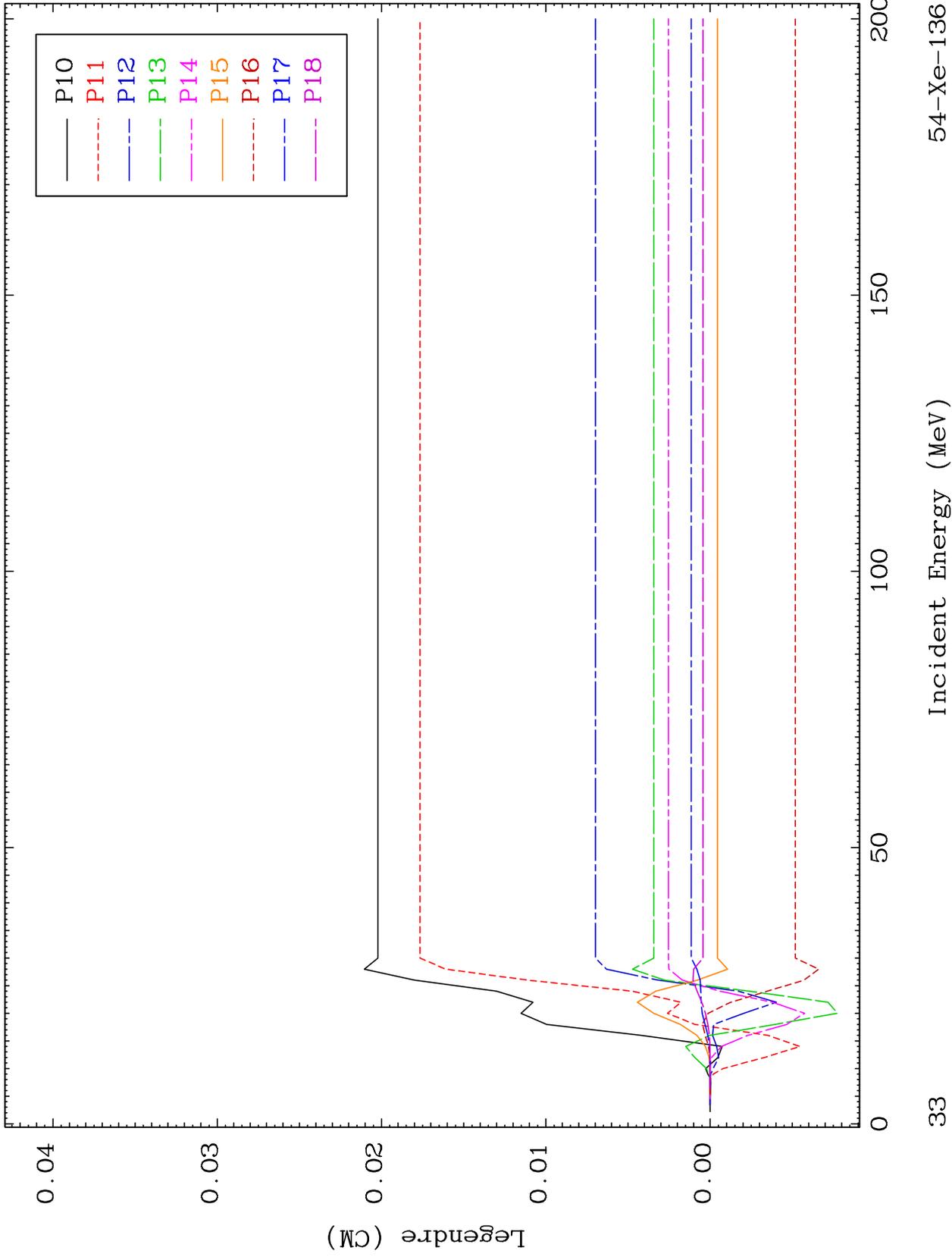
Incident Energy (MeV)

32

MAT 5461

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

54-Xe-136



33

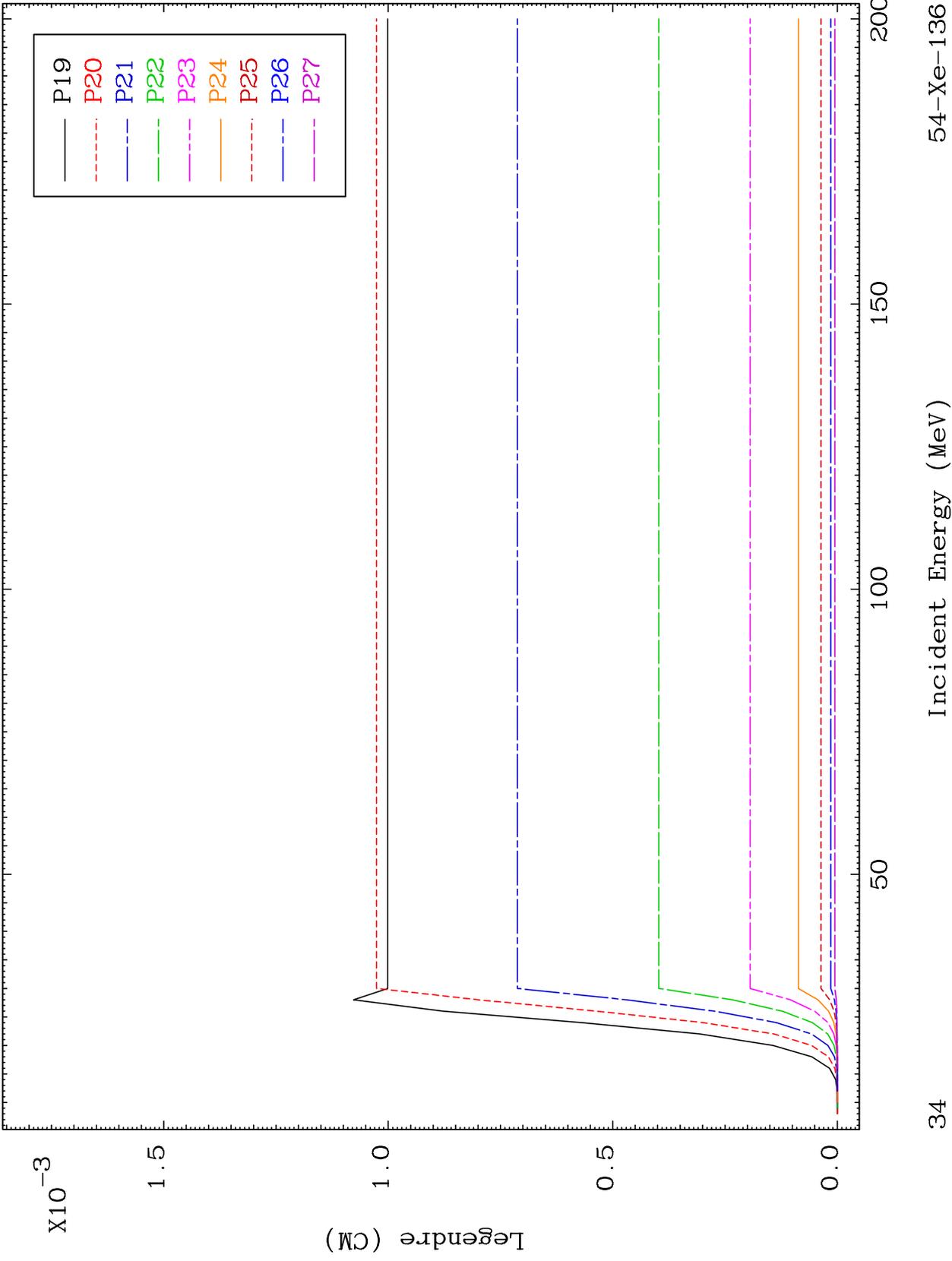
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

54-Xe-136



34

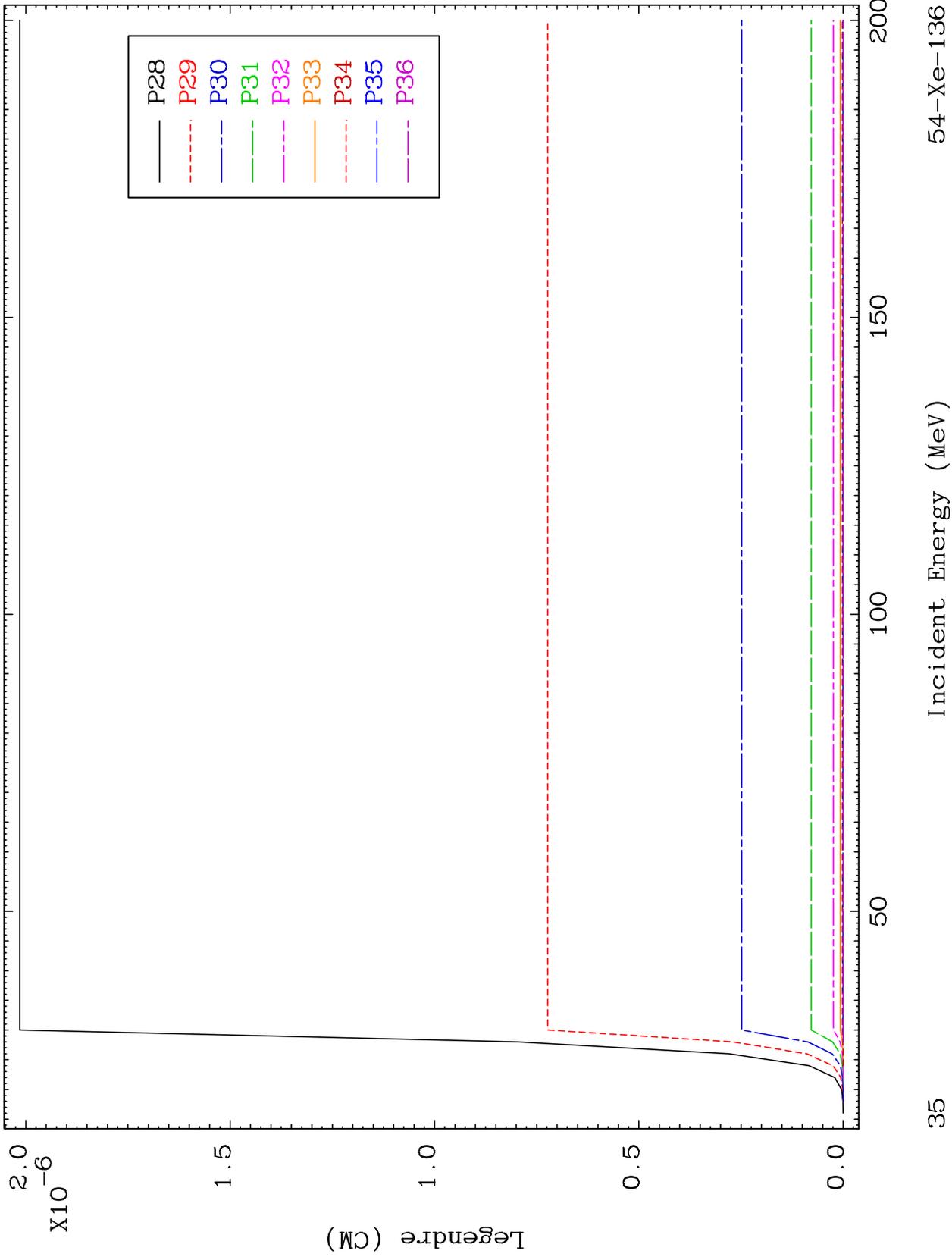
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

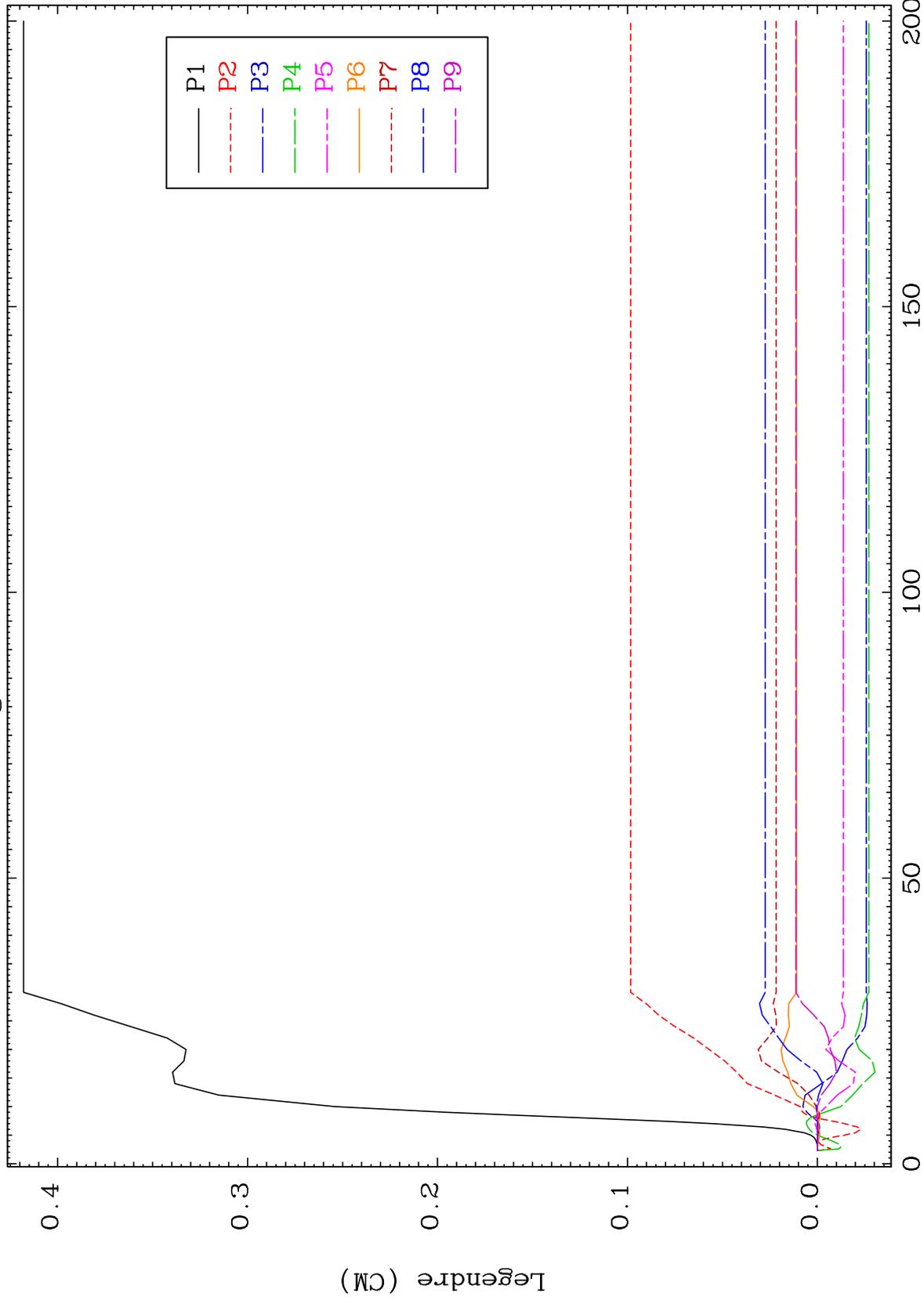
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MAT 5461

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

54-Xe-136



36

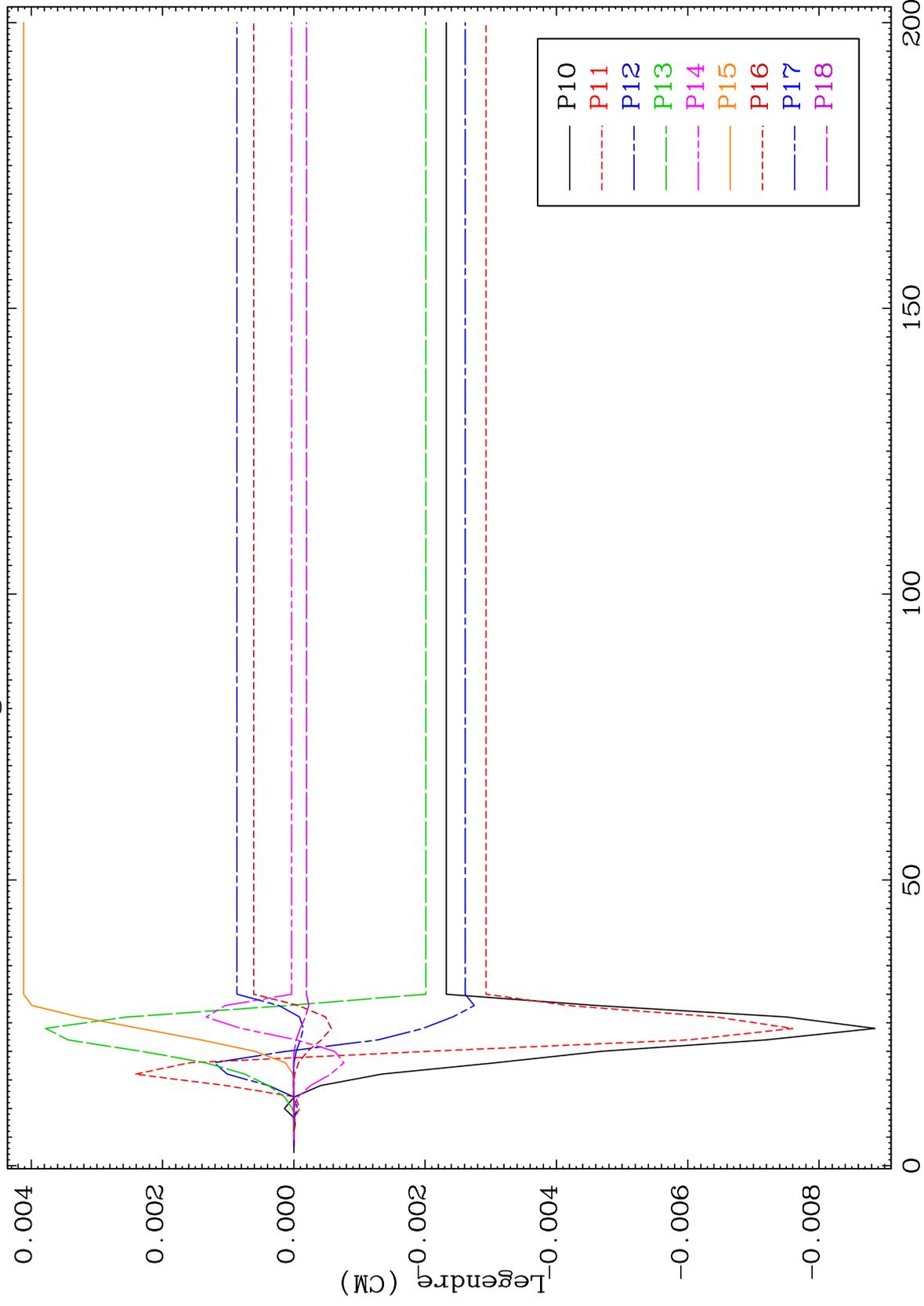
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

54-Xe-136



37

Incident Energy (MeV)

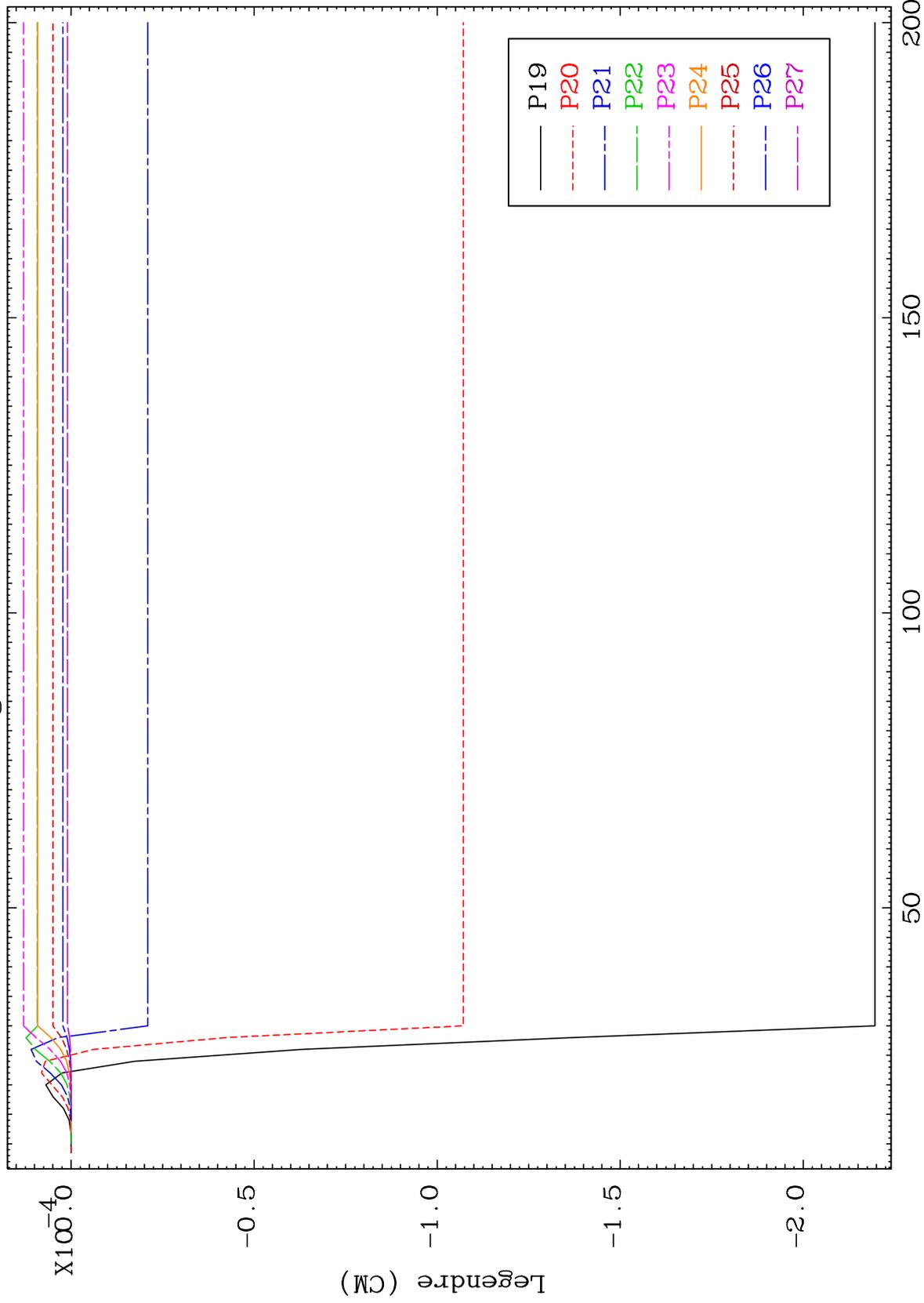
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MAT 5461

MT= 55 (n,n') Level

54-Xe-136

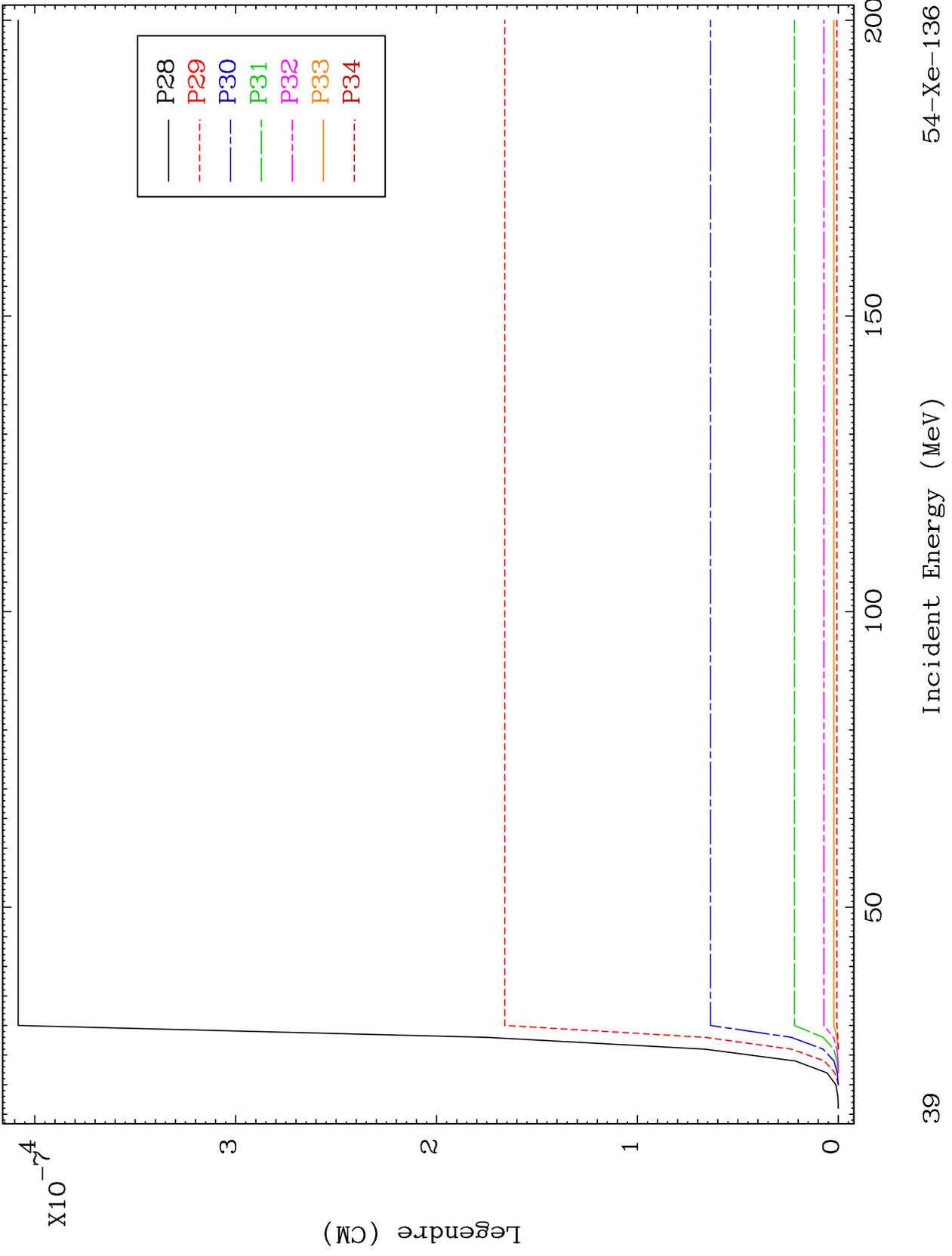
Legendre Coefficients



MAT 5461

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

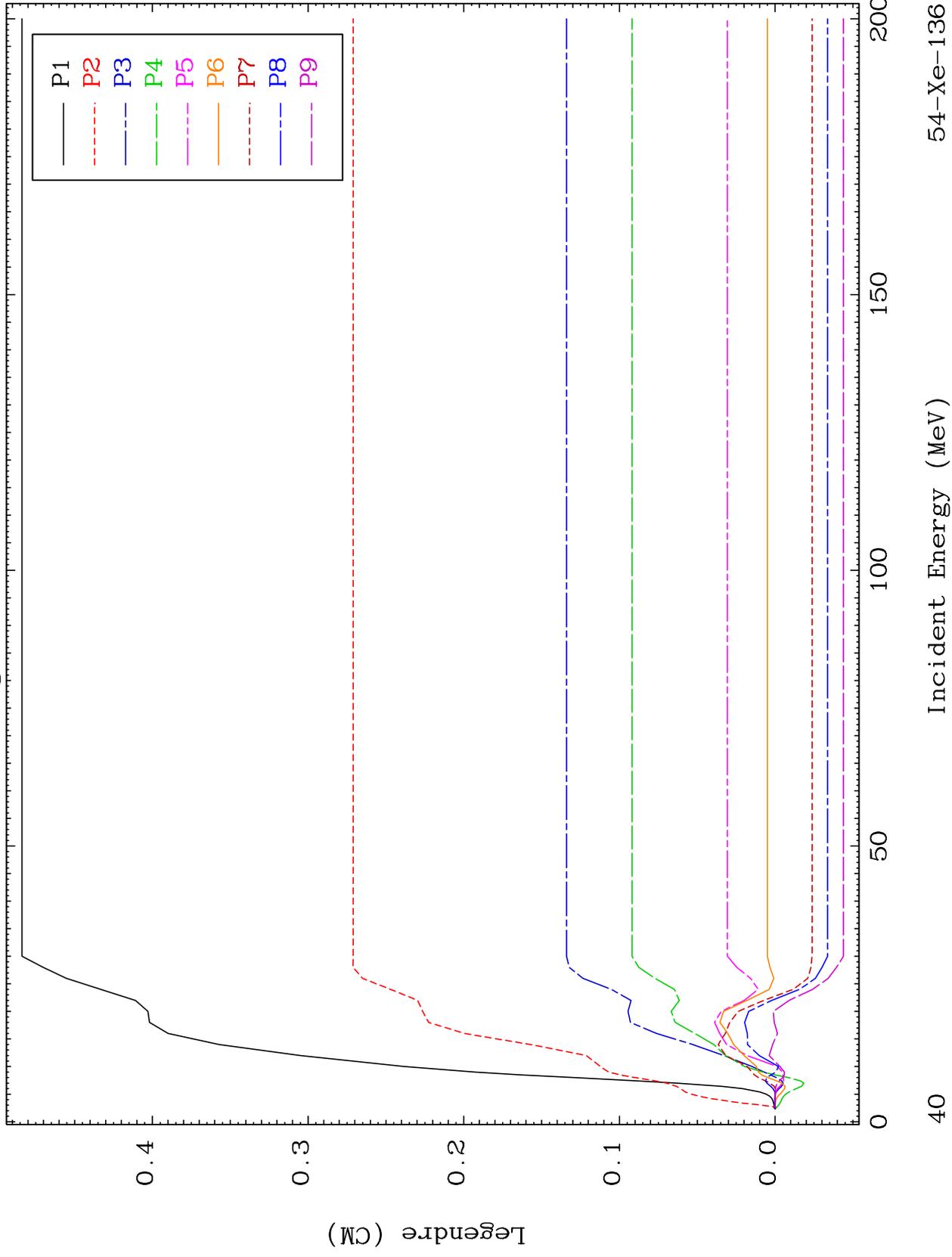
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MAT 5461

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

54-Xe-136



54-Xe-136

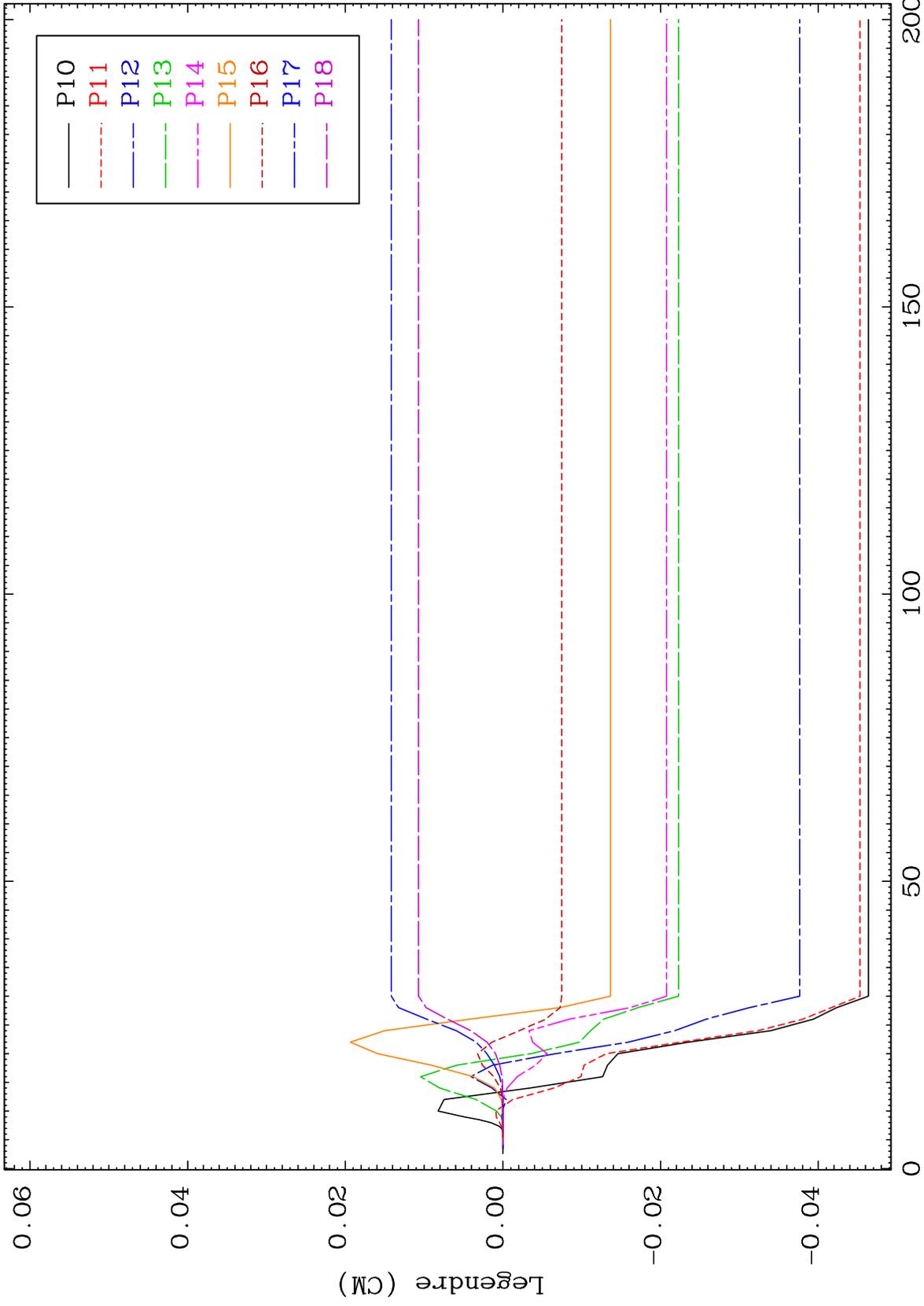
Incident Energy (MeV)

40

MAT 5461

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

54-Xe-136



41

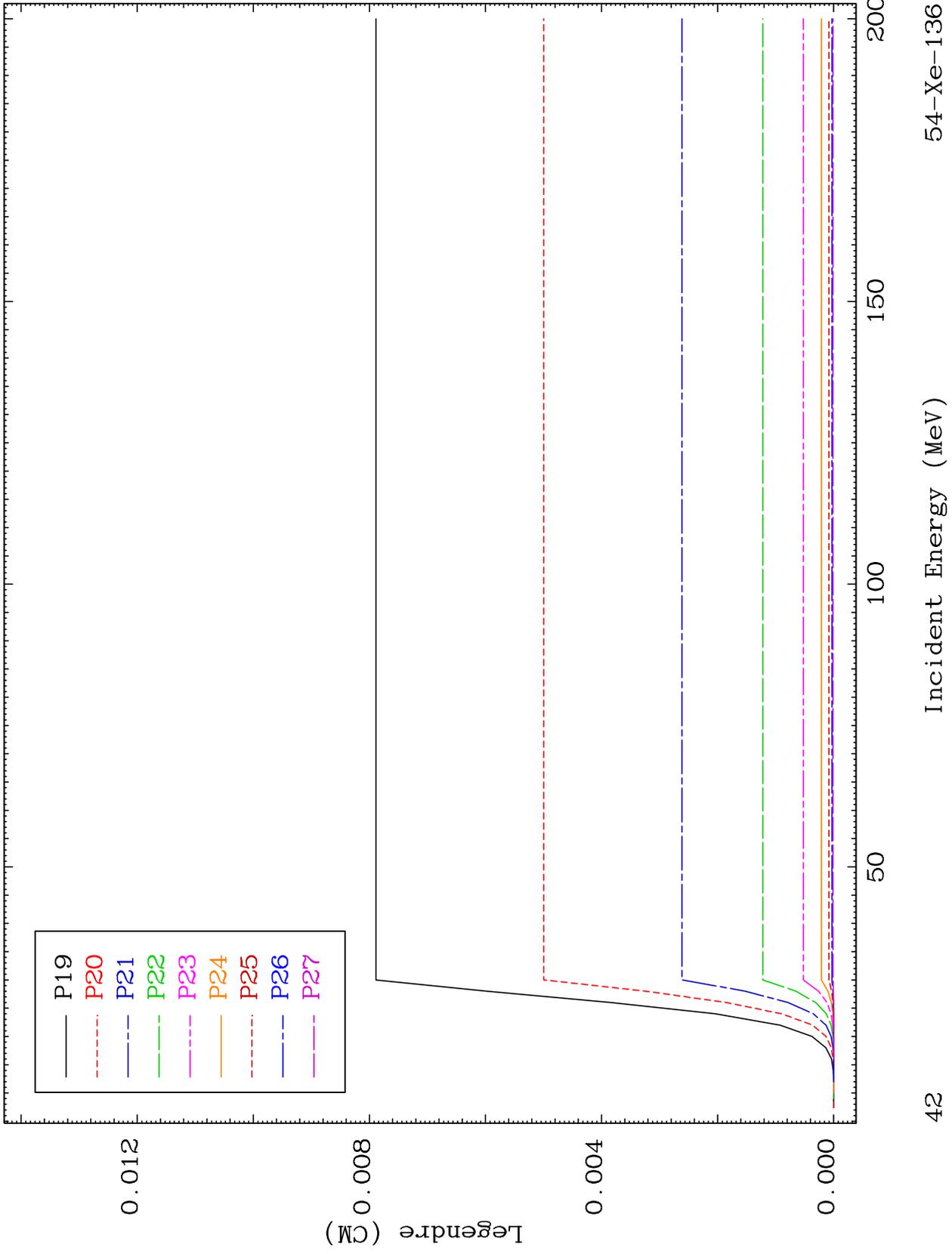
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

54-Xe-136



42

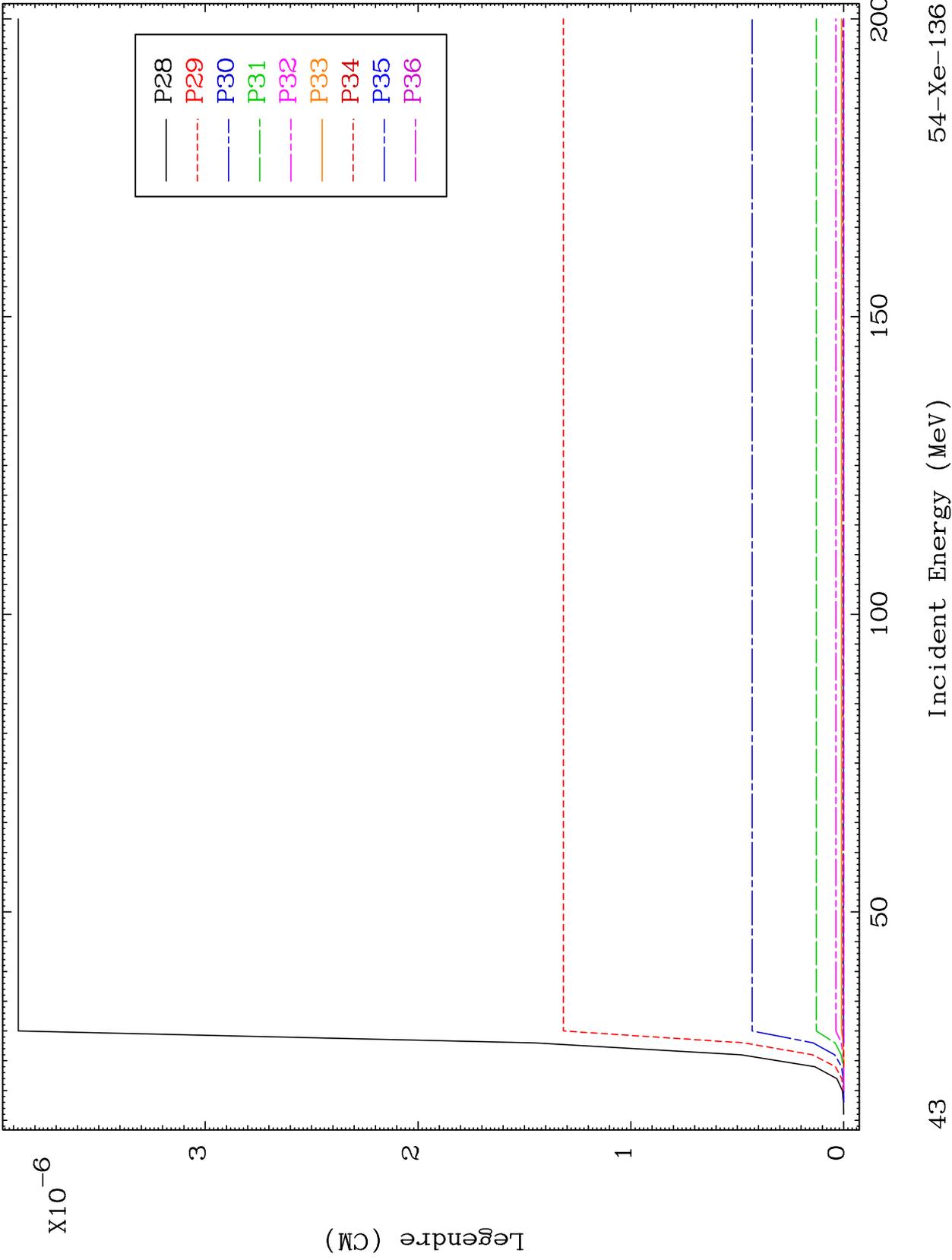
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

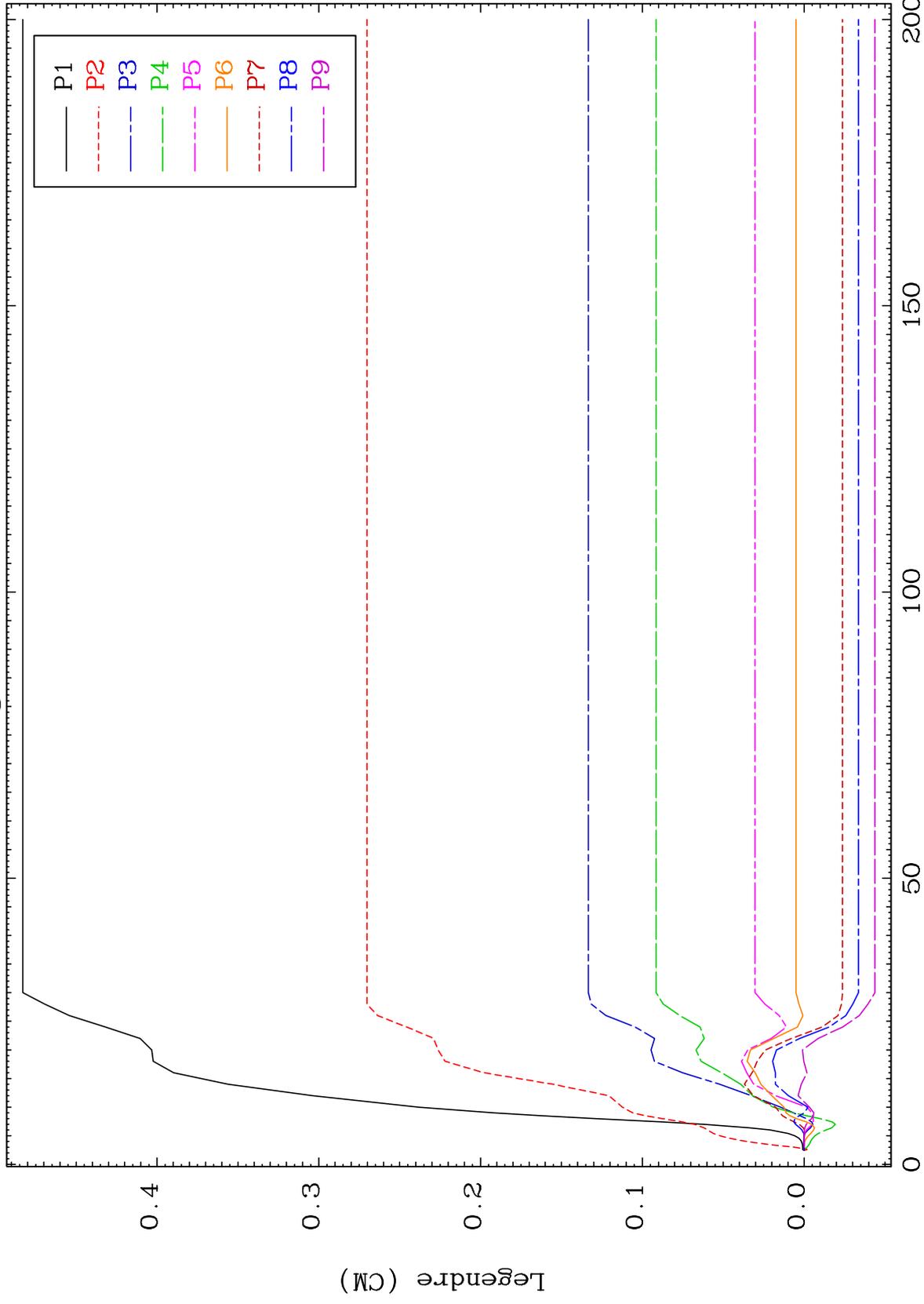
54-Xe-136



MAT 5461

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

54-Xe-136



44

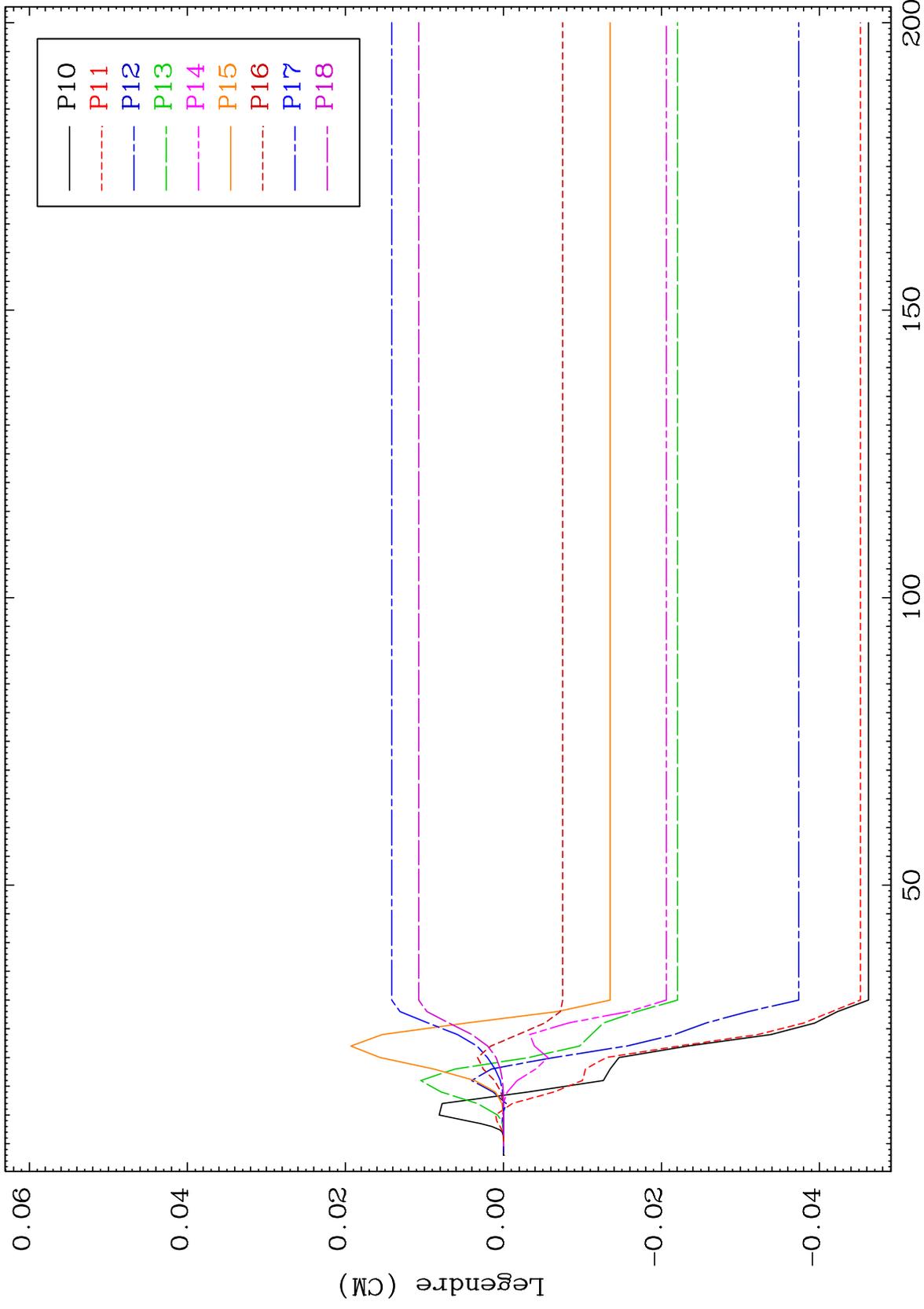
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

54-Xe-136



45

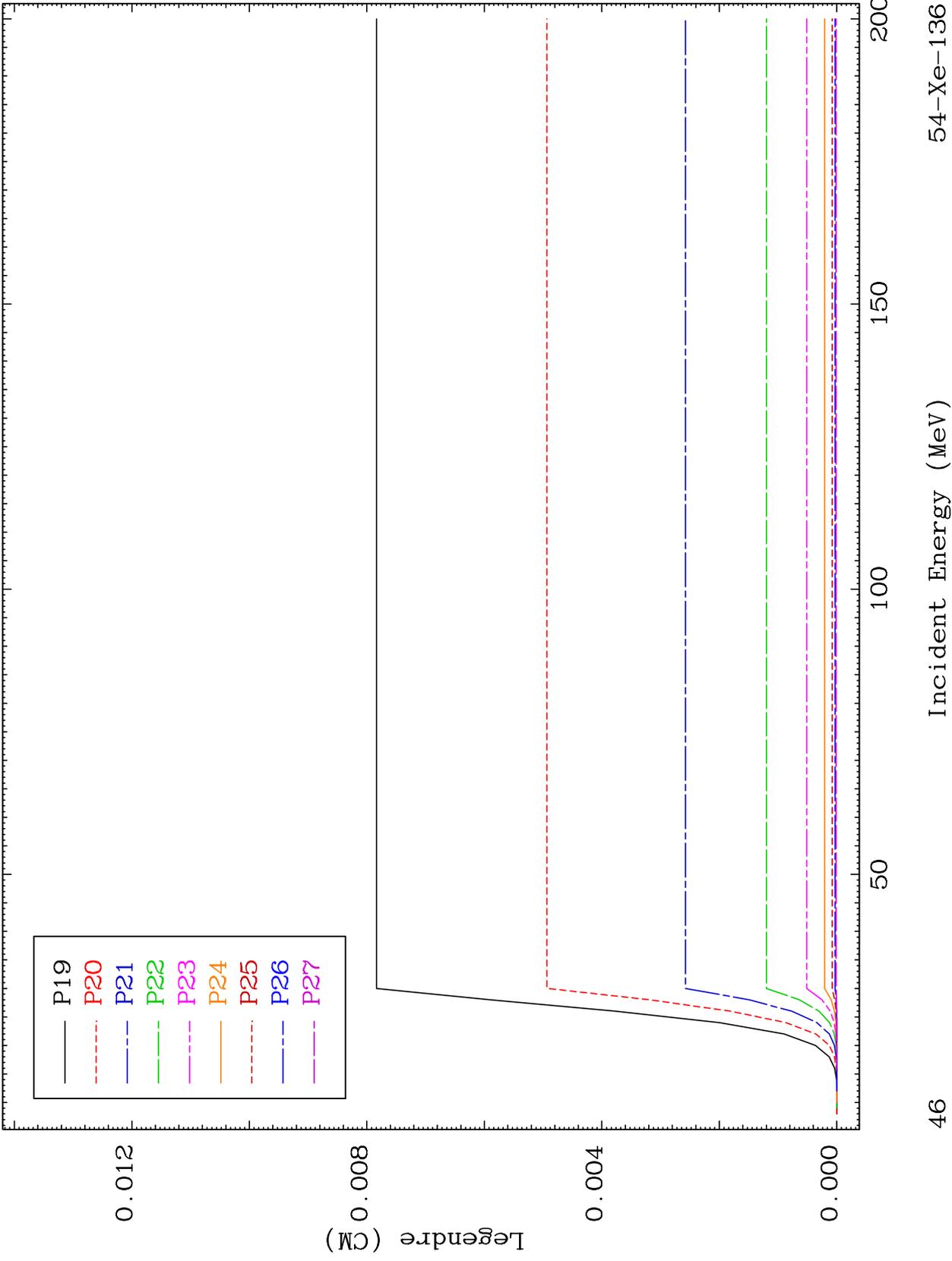
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

54-Xe-136



46

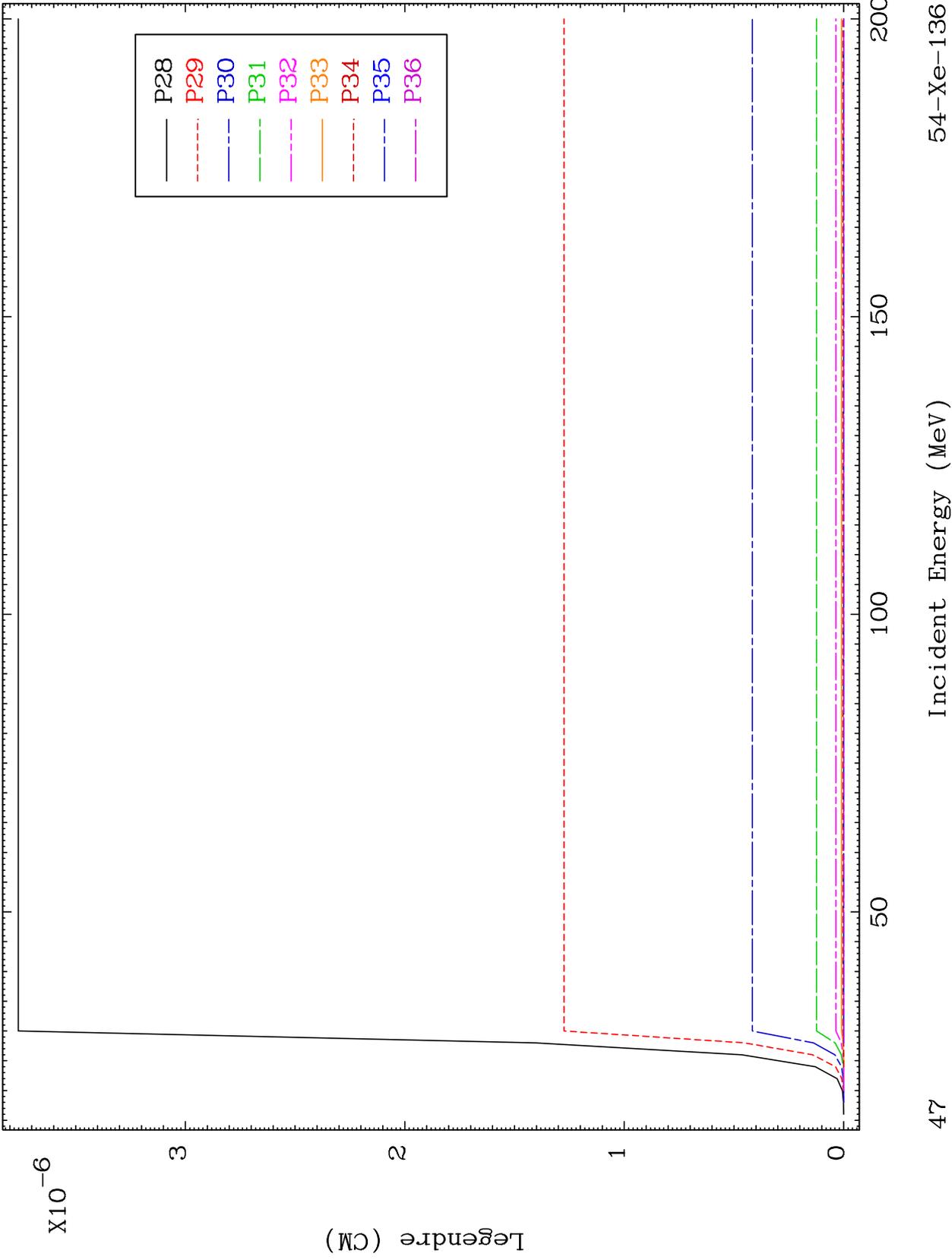
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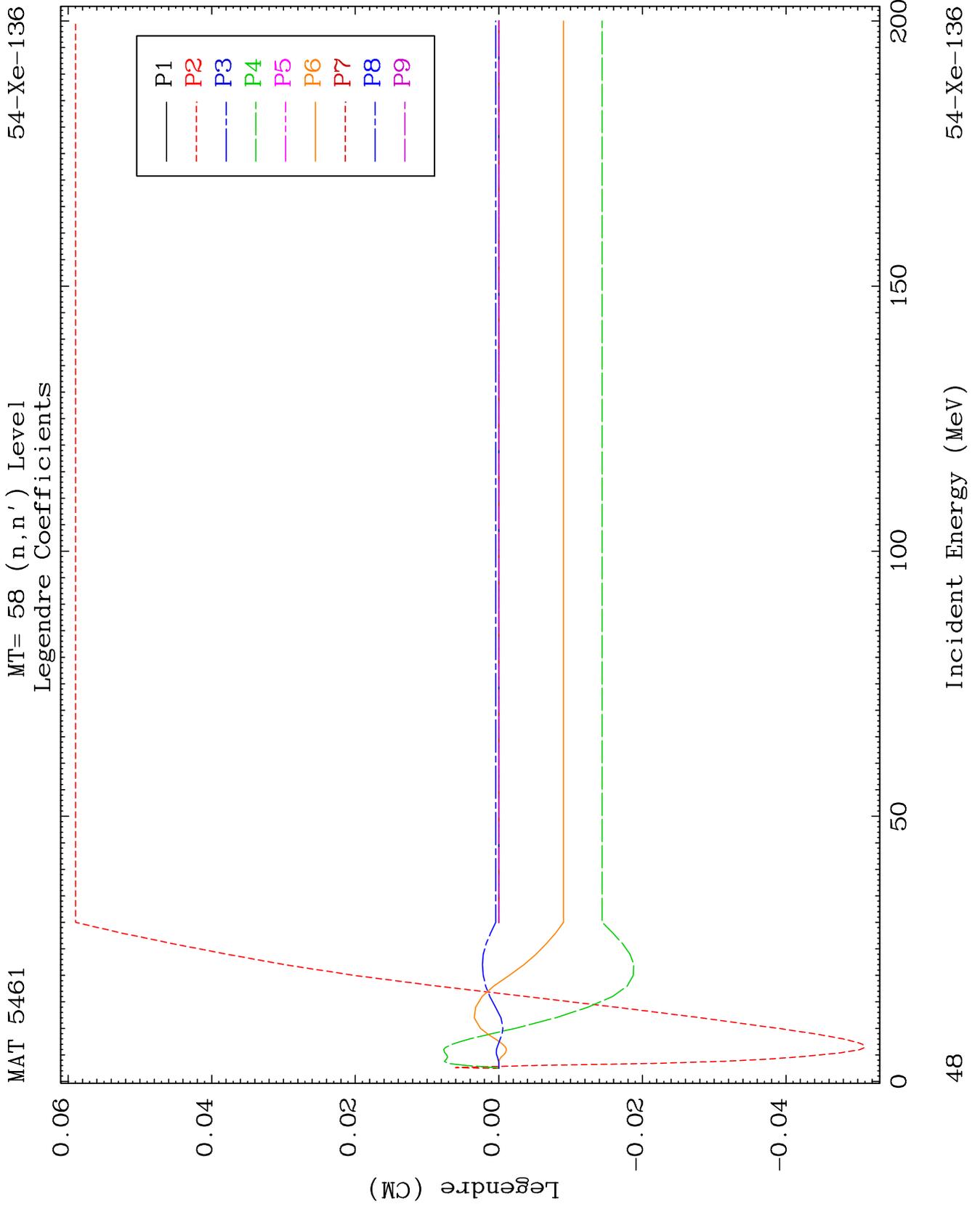
54-Xe-136

MAT 5461

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

54-Xe-136

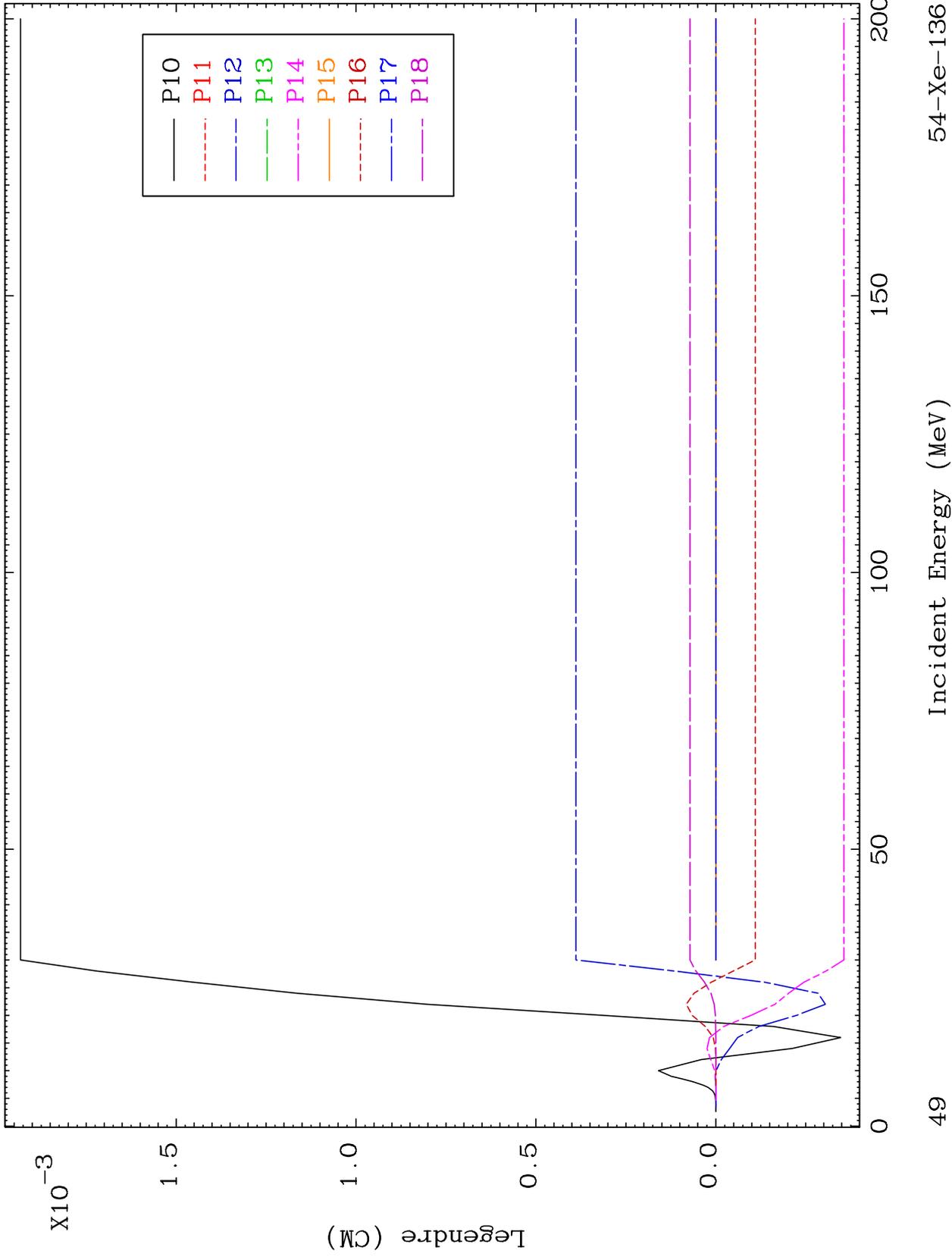




MAT 5461

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

54-Xe-136



49

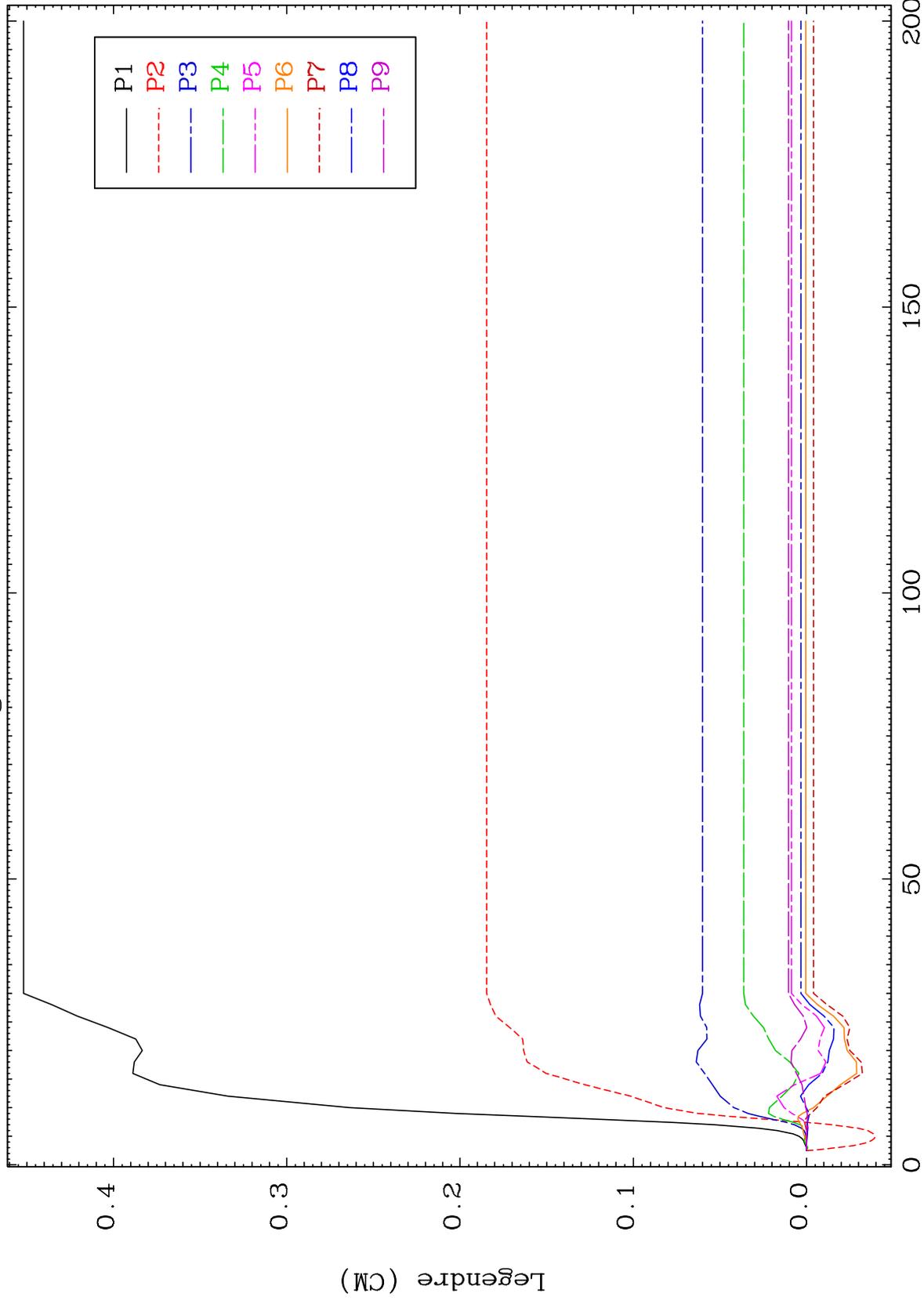
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

54-Xe-136



51

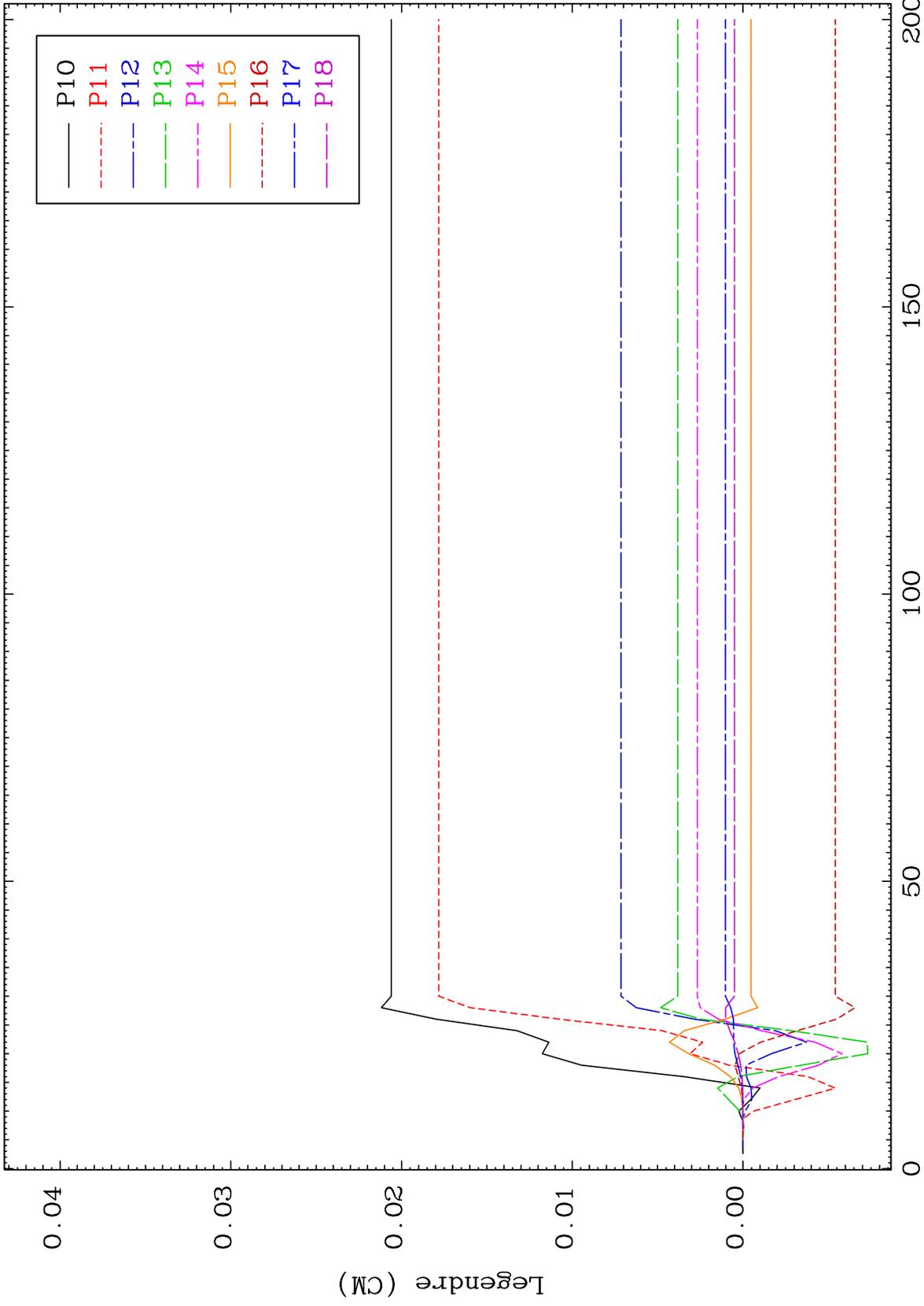
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

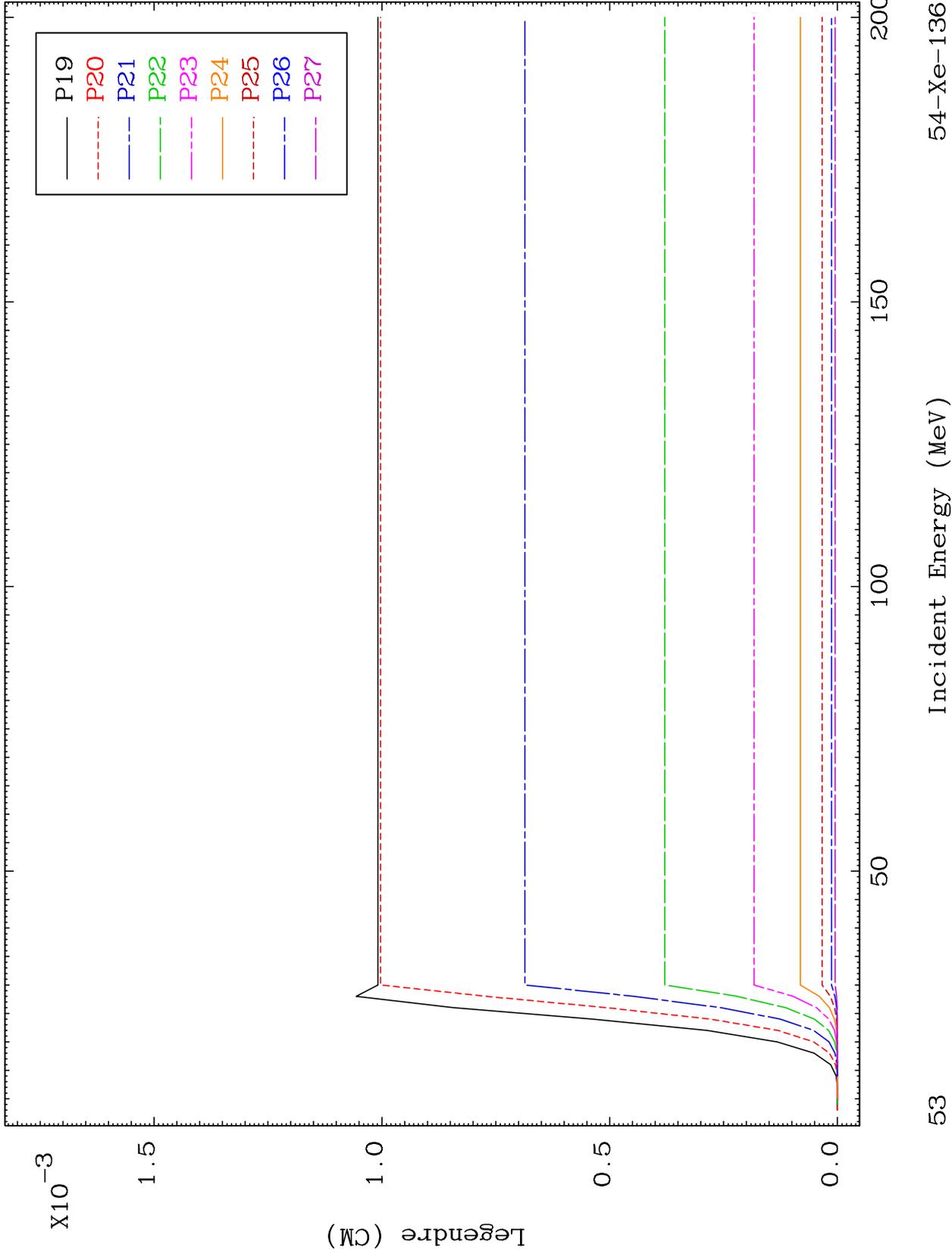
54-Xe-136



52

Incident Energy (MeV)

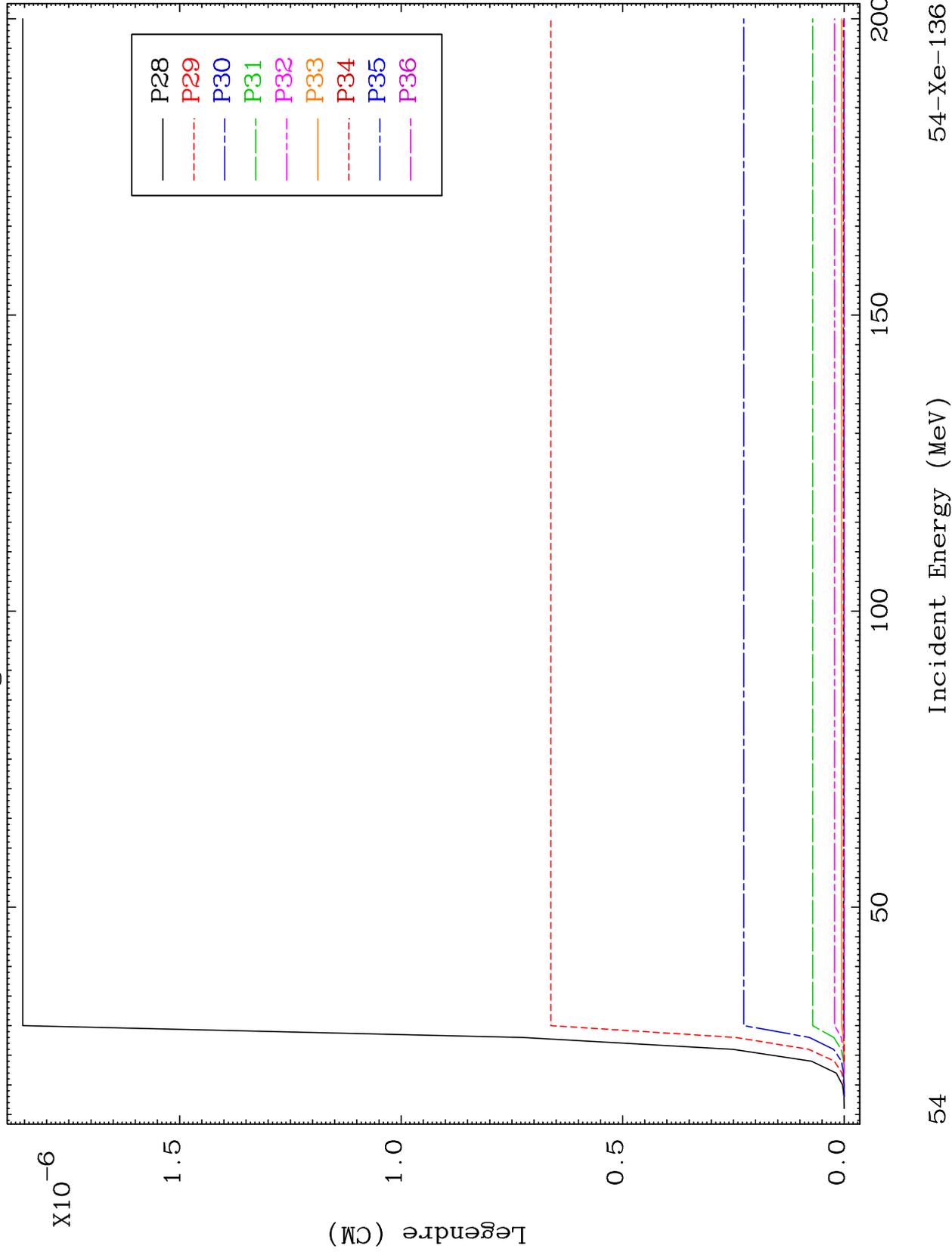
54-Xe-136



MAT 5461

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

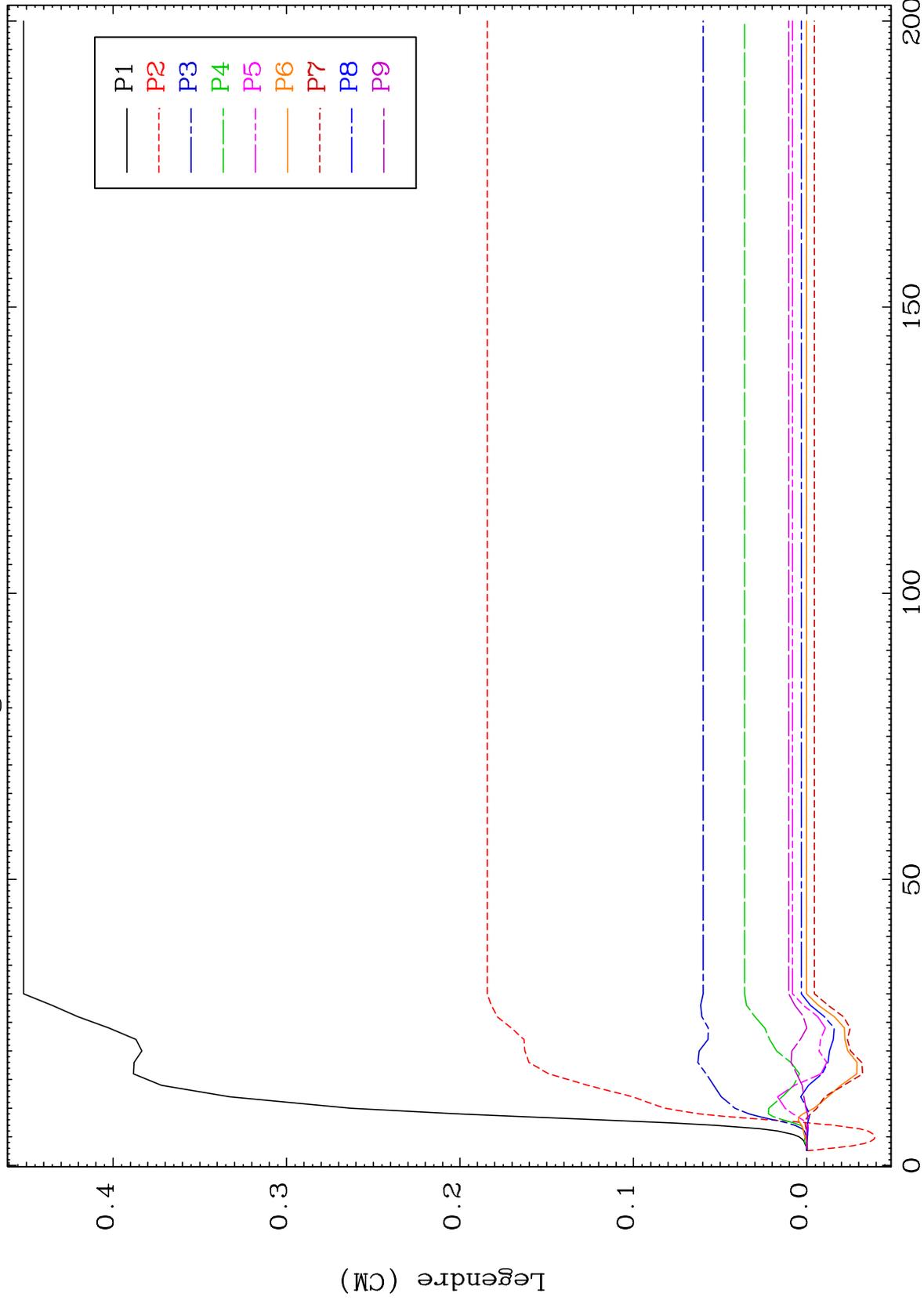
54-Xe-136



MAT 5461

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

54-Xe-136



55

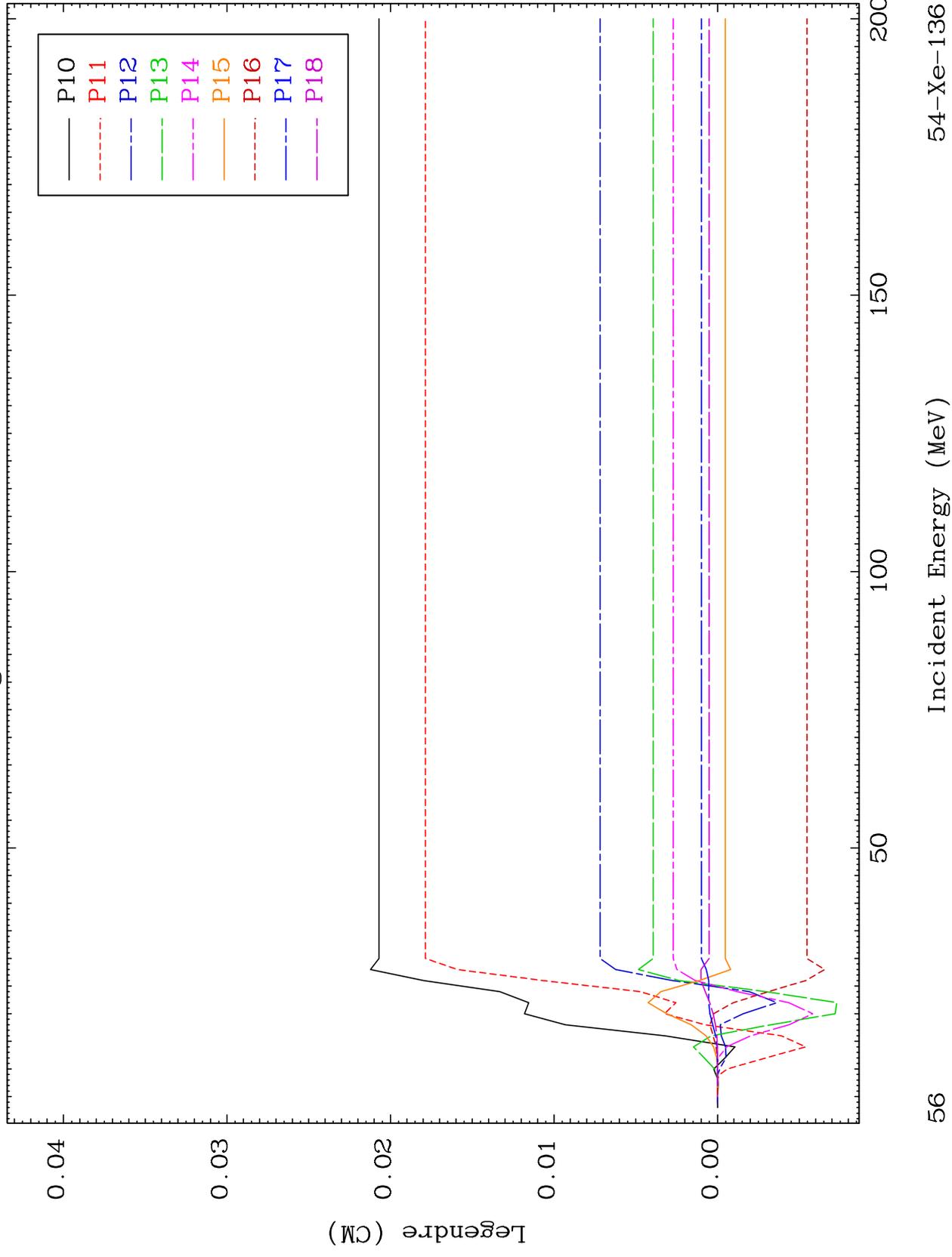
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

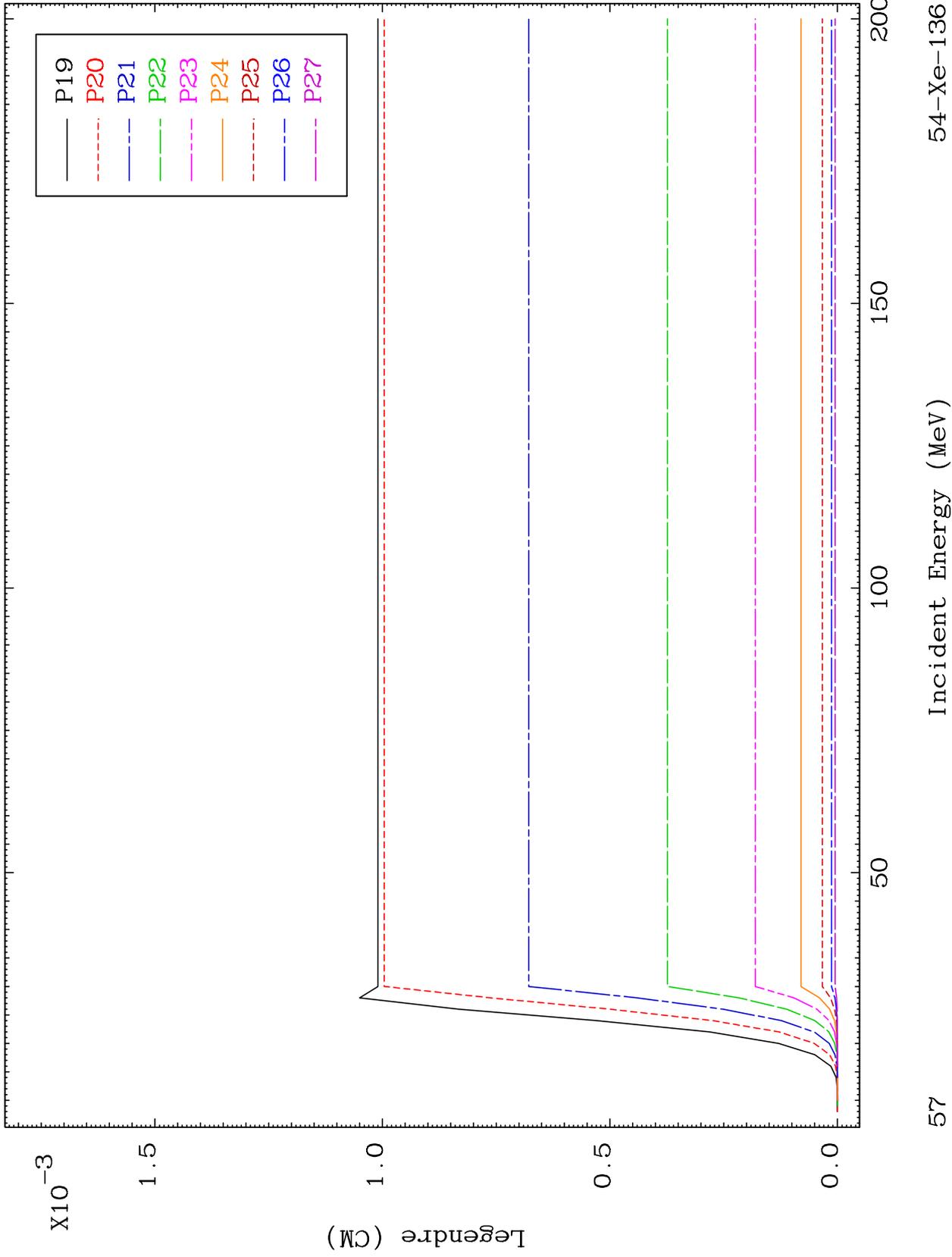
54-Xe-136



56

Incident Energy (MeV)

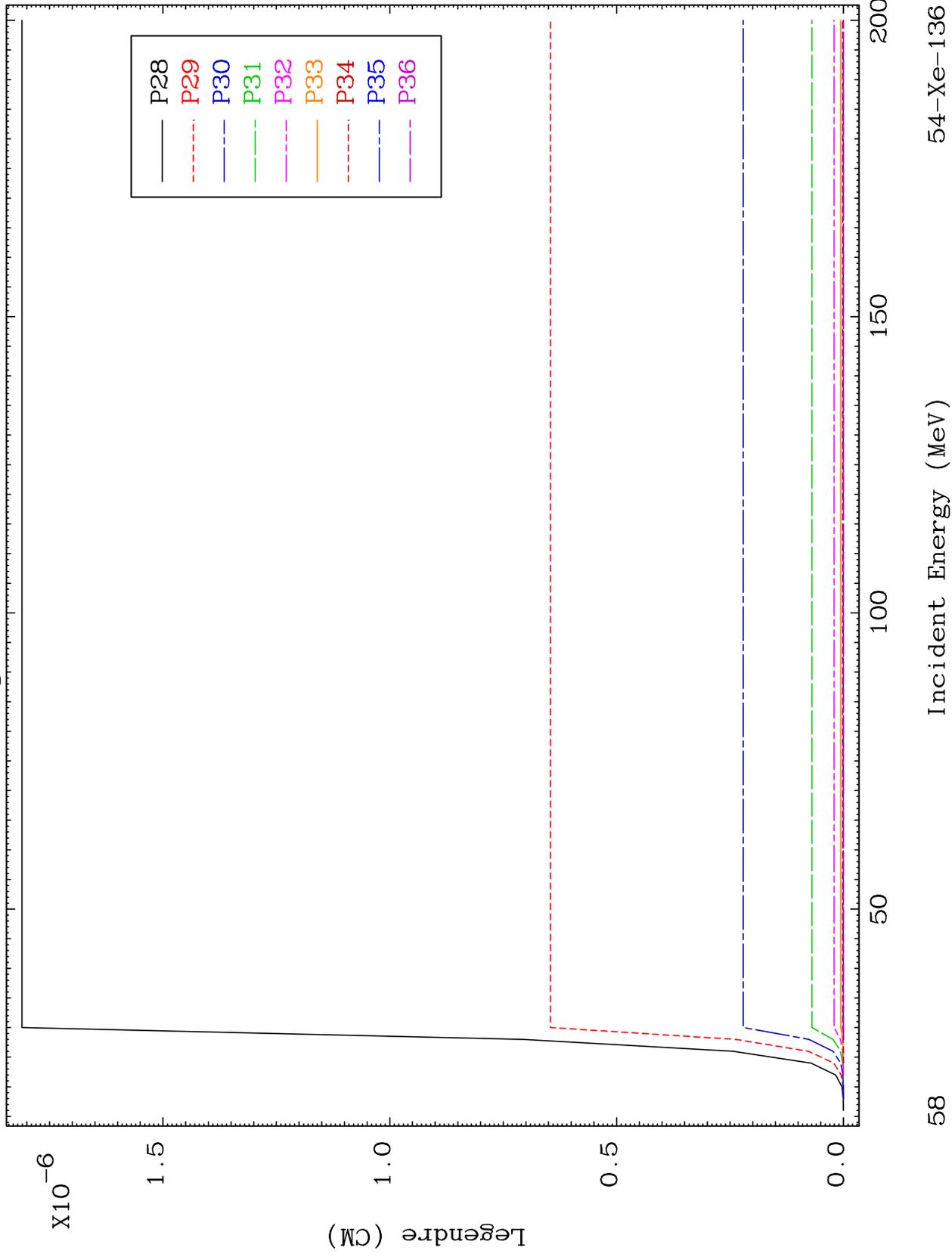
54-Xe-136



MAT 5461

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

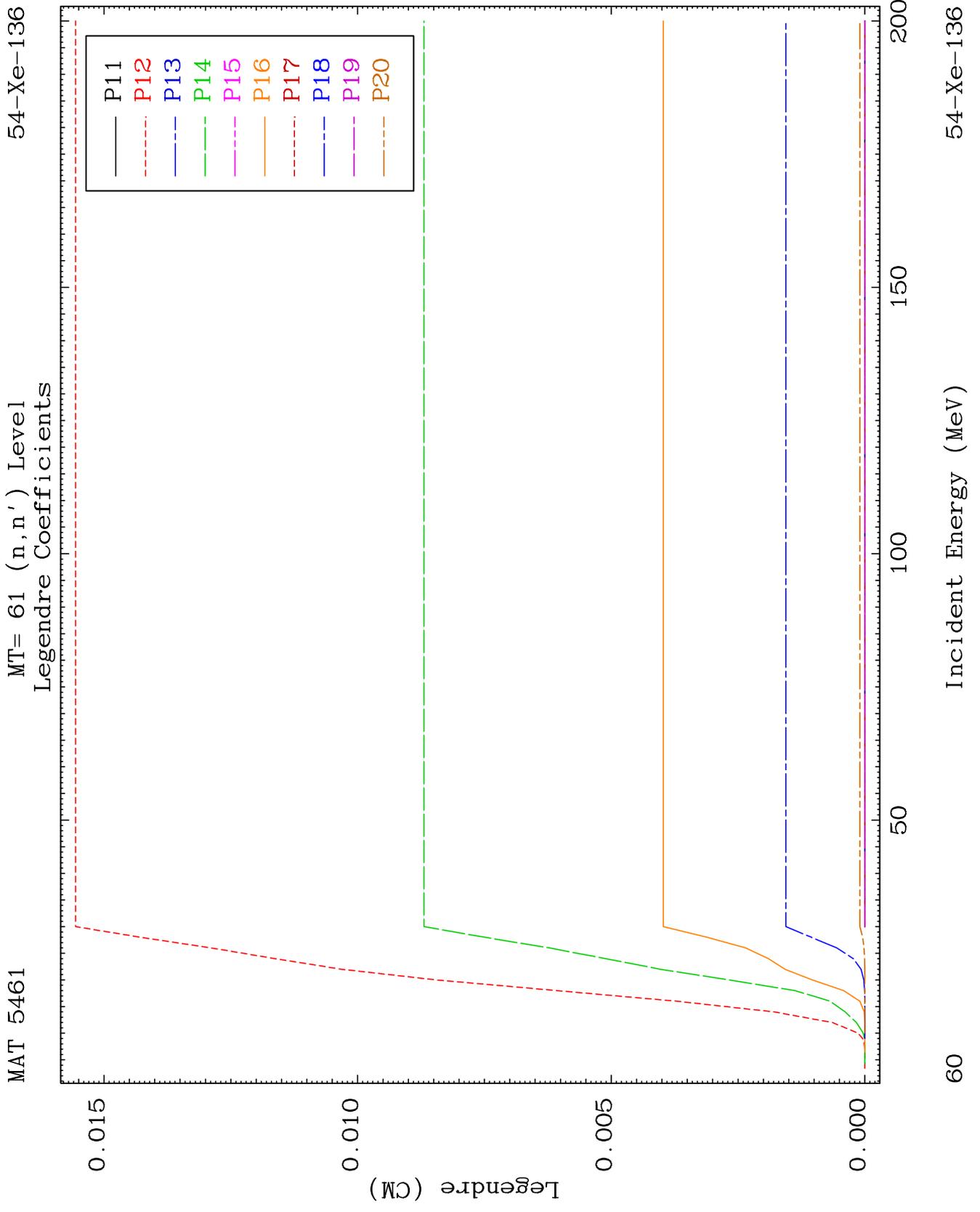
54-Xe-136

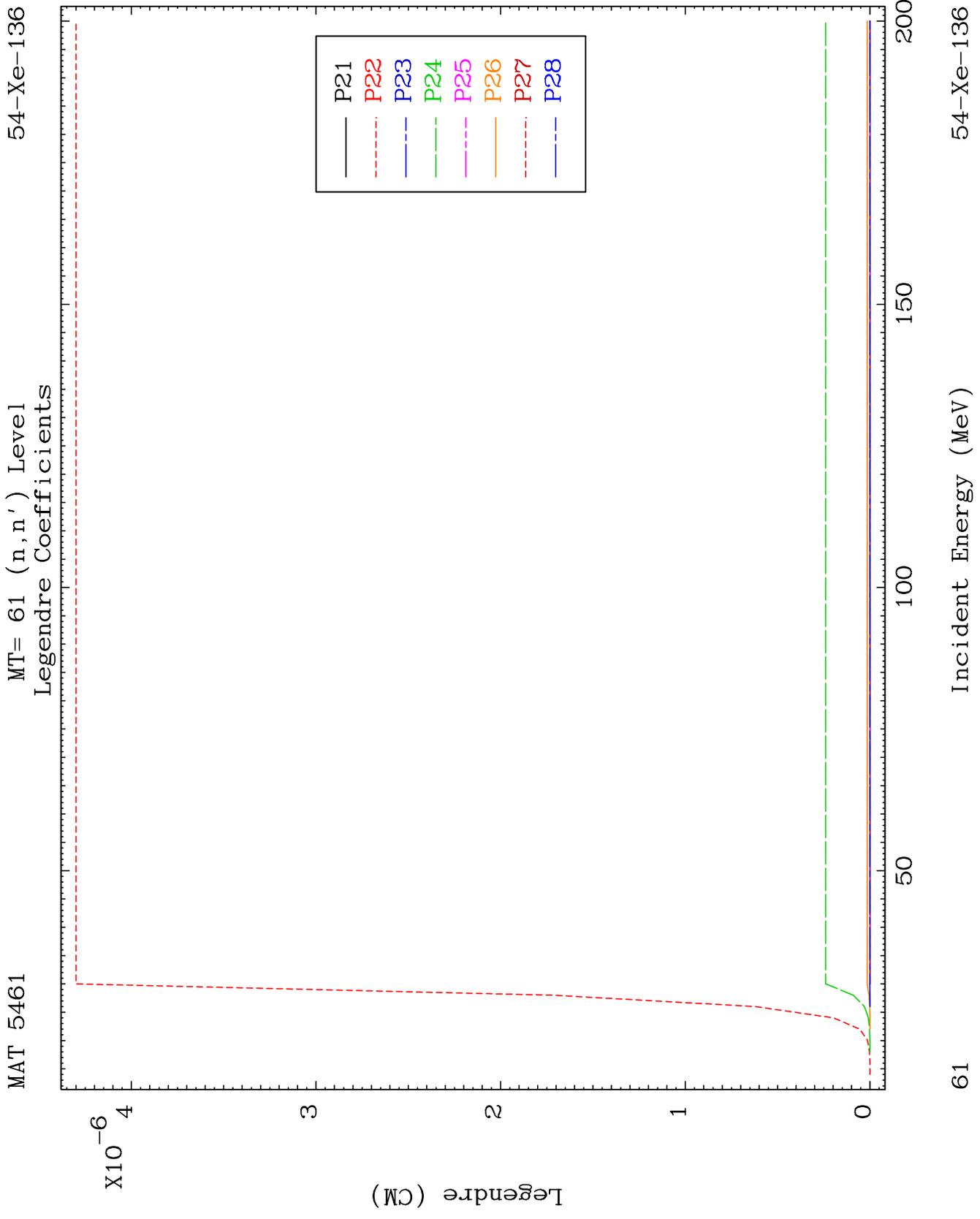


54-Xe-136

Incident Energy (MeV)

58

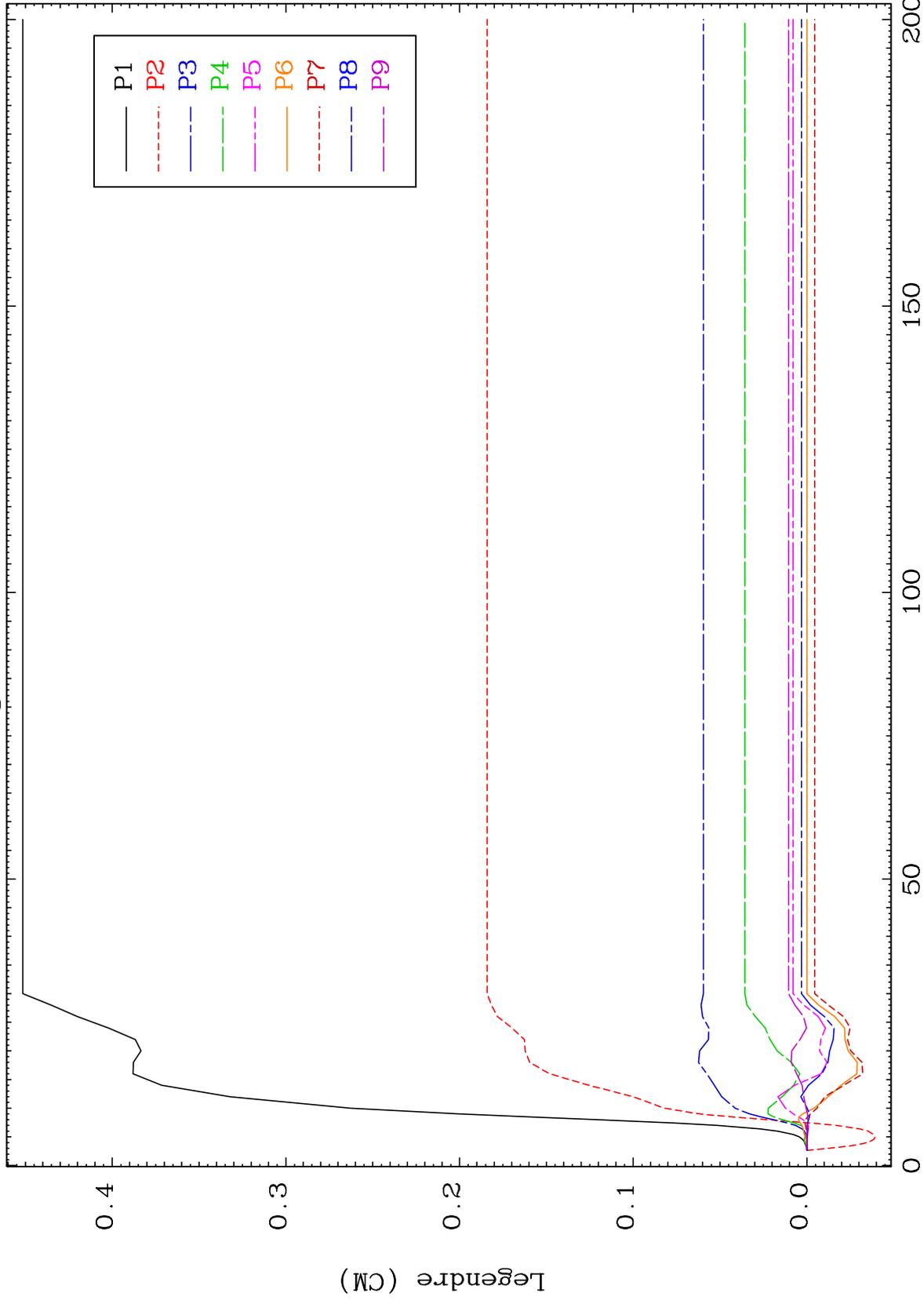




MAT 5461

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

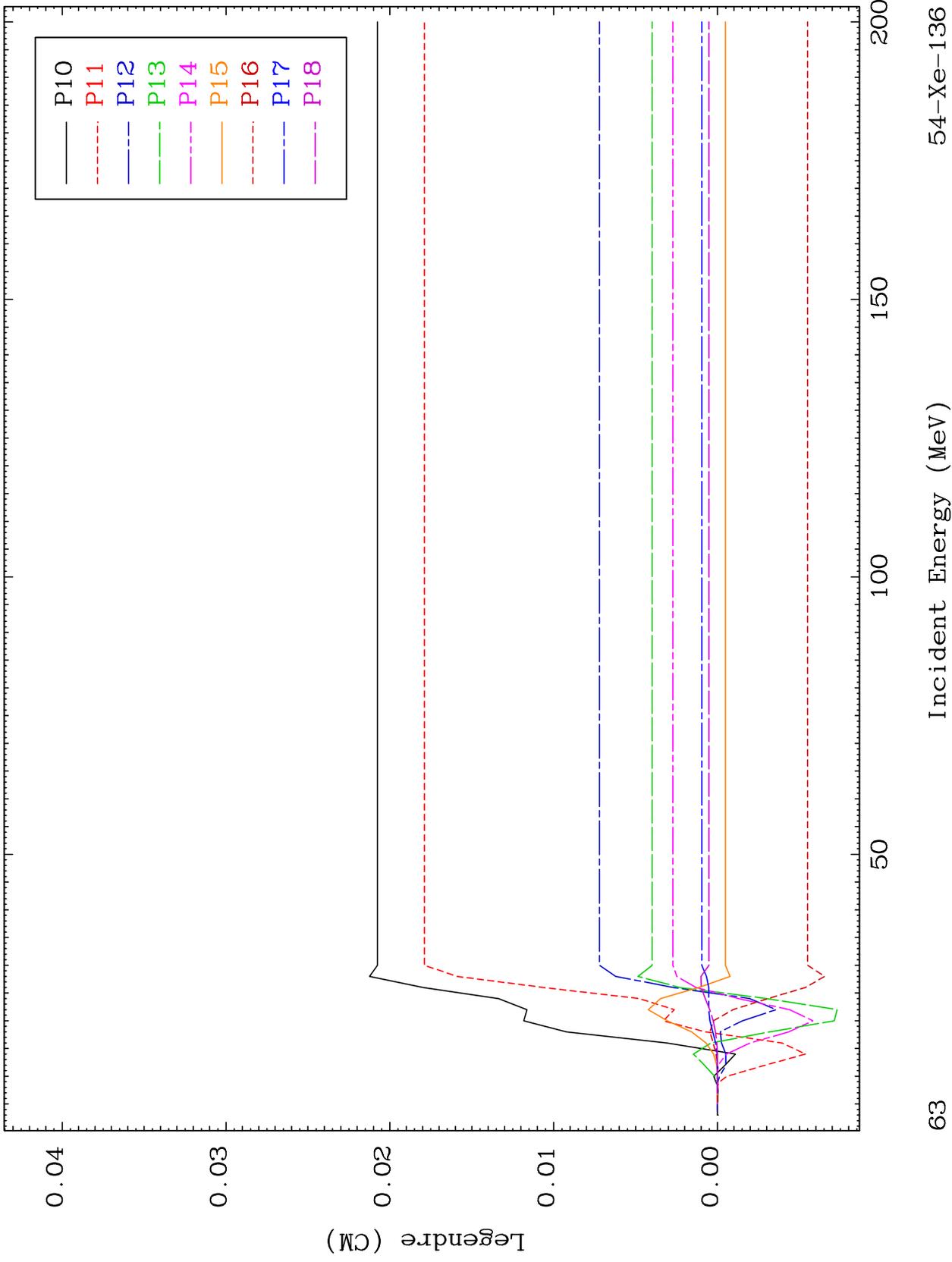
54-Xe-136



54-Xe-136

Incident Energy (MeV)

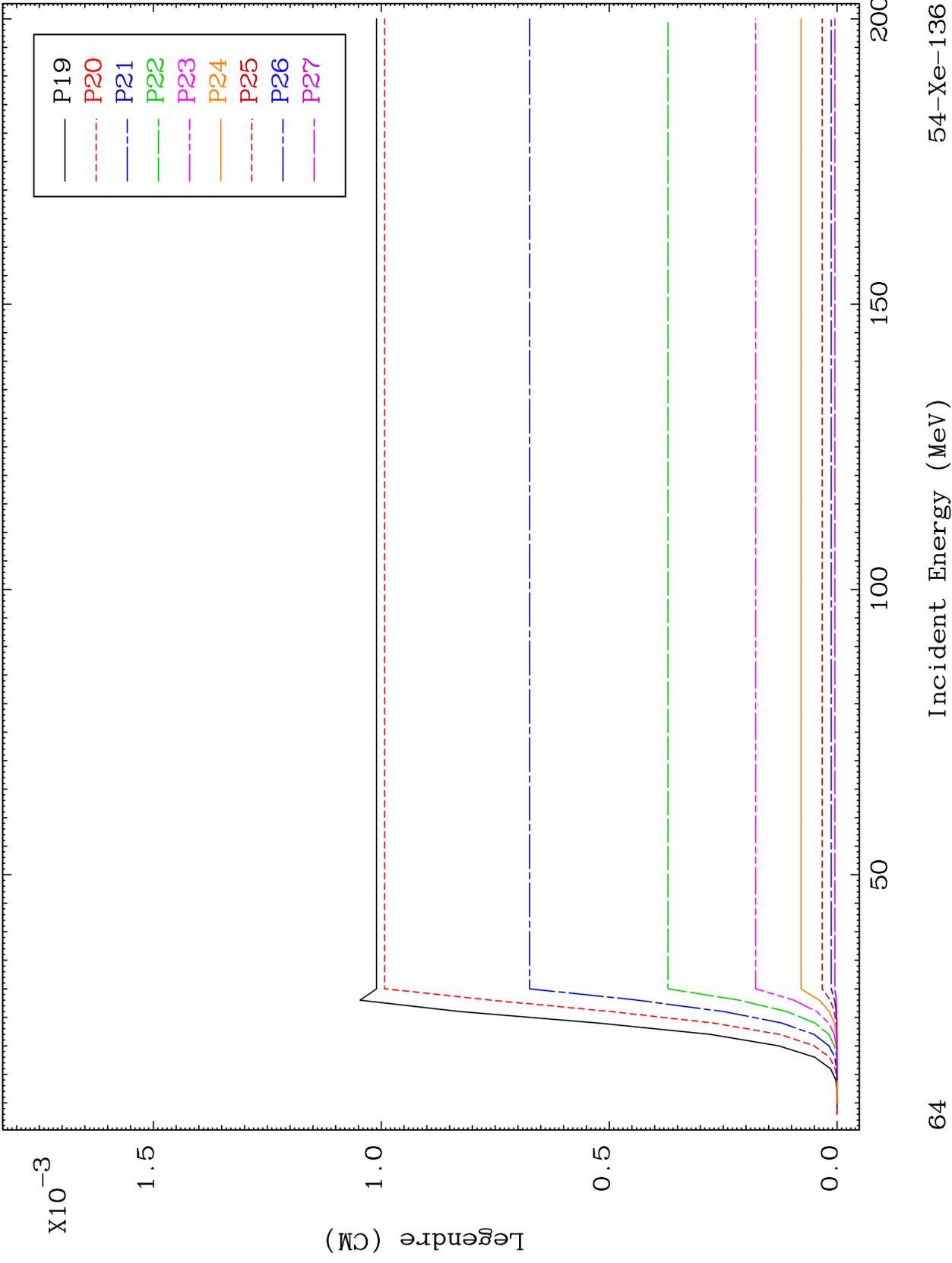
62



MAT 5461

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

54-Xe-136



64

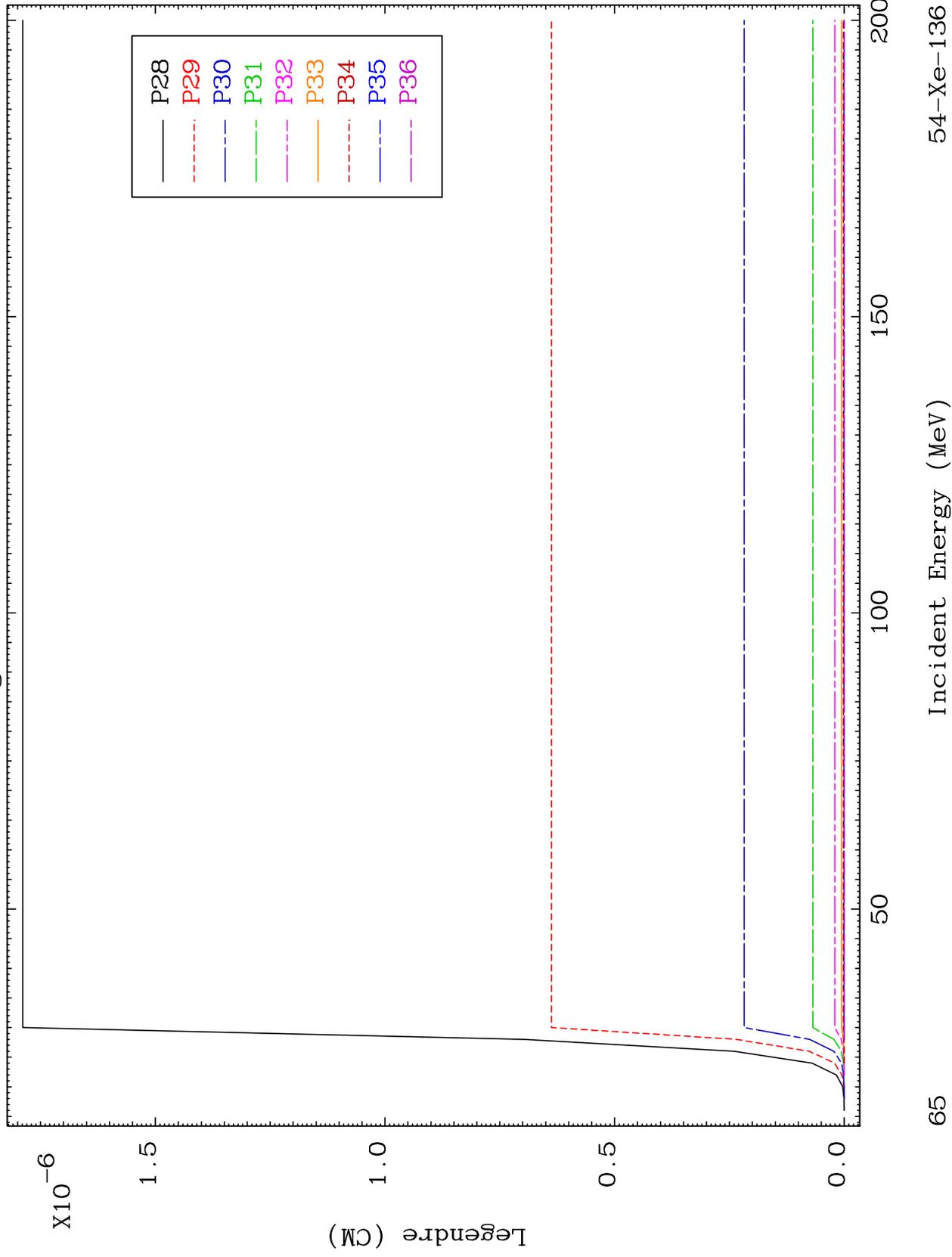
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

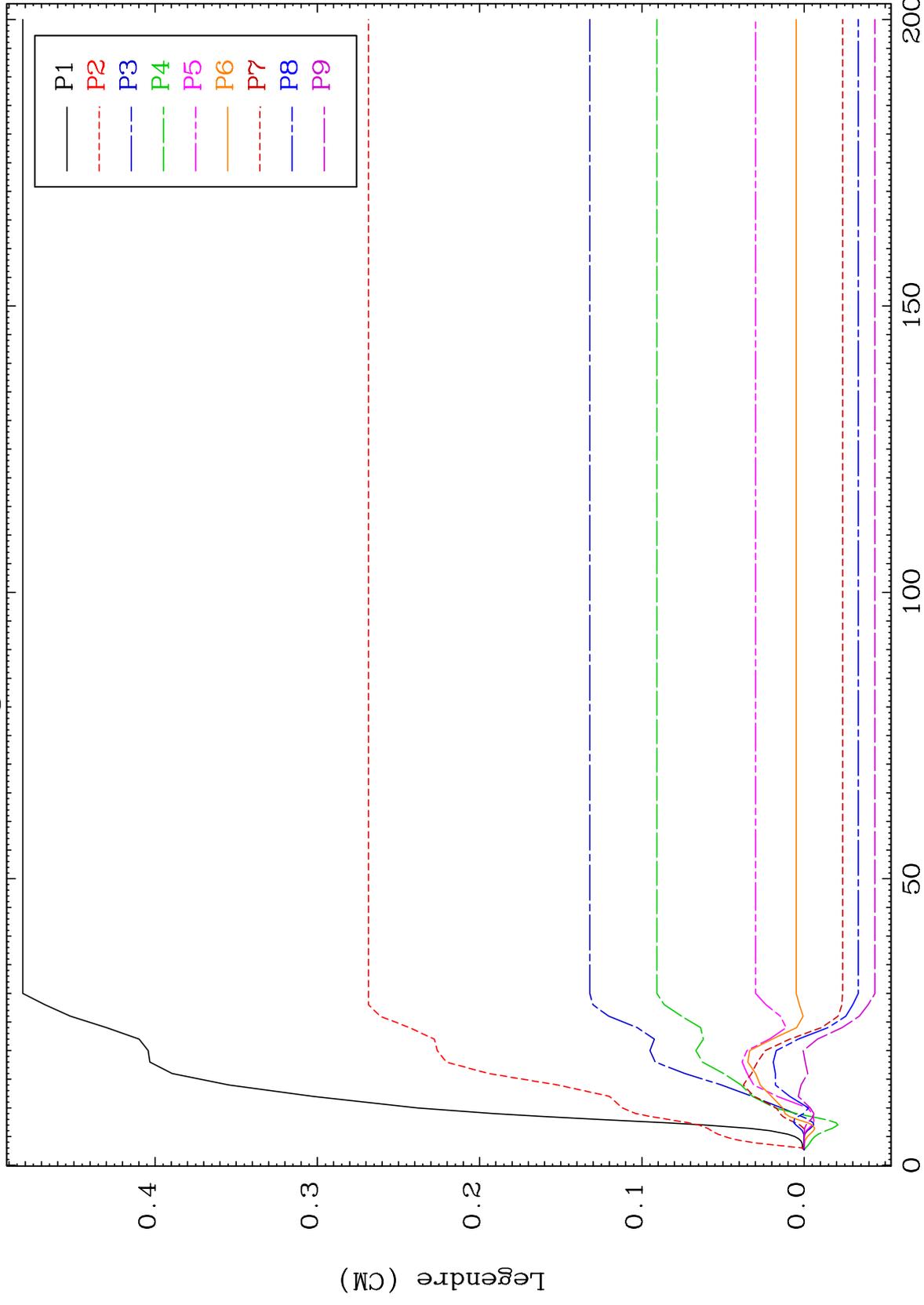
54-Xe-136



MAT 5461

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

54-Xe-136



54-Xe-136

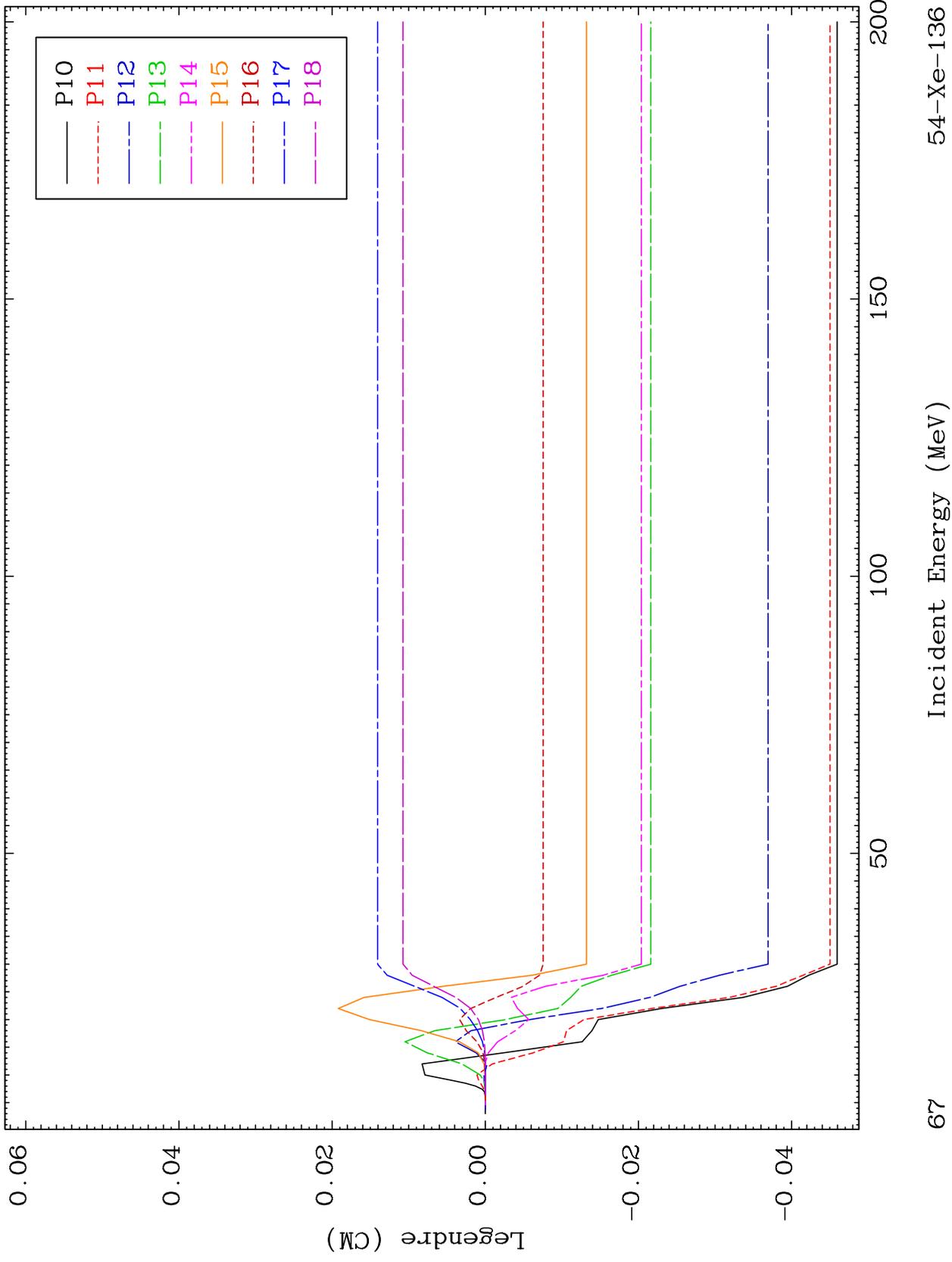
Incident Energy (MeV)

66

MAT 5461

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

54-Xe-136



67

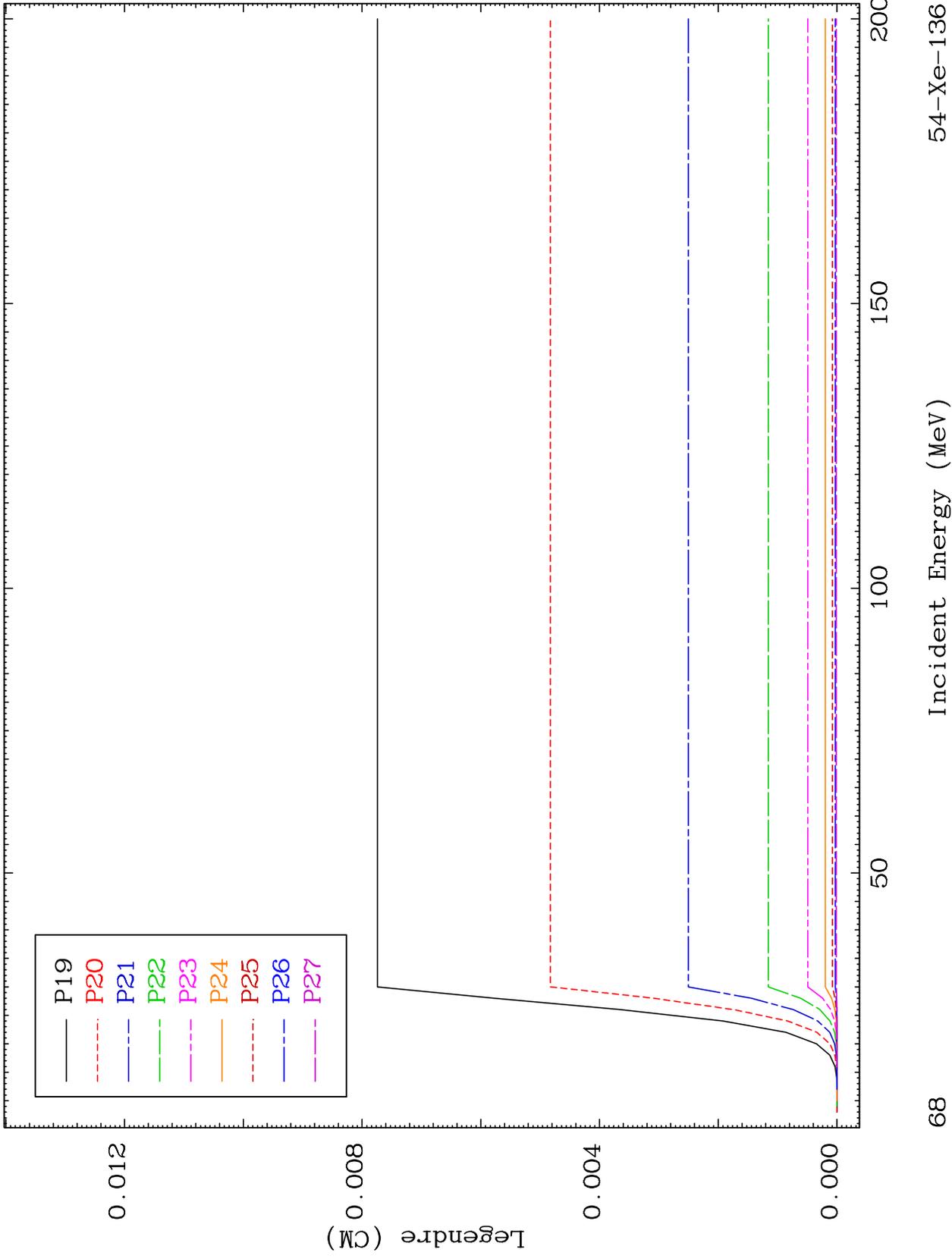
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

54-Xe-136



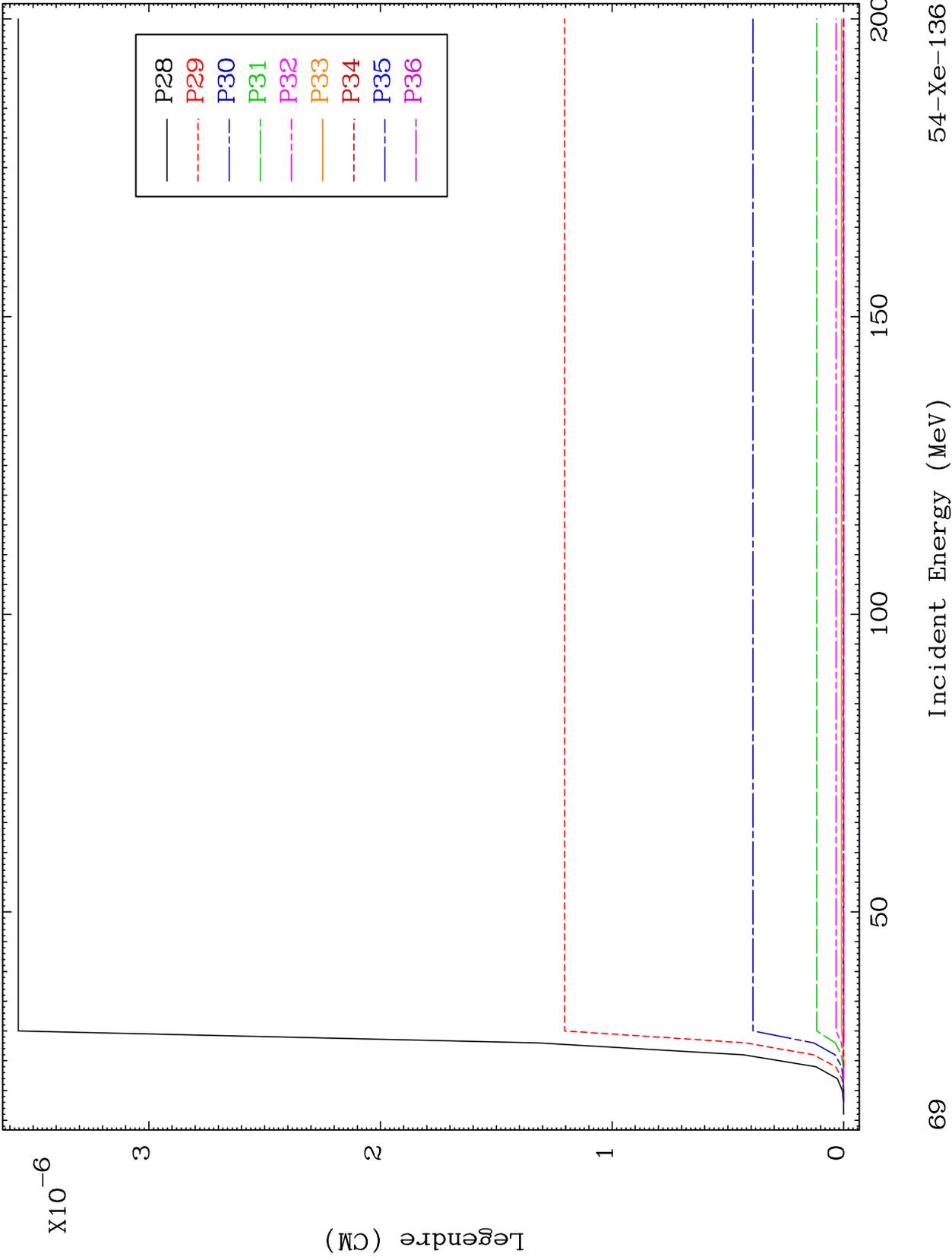
68

54-Xe-136

MAT 5461

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

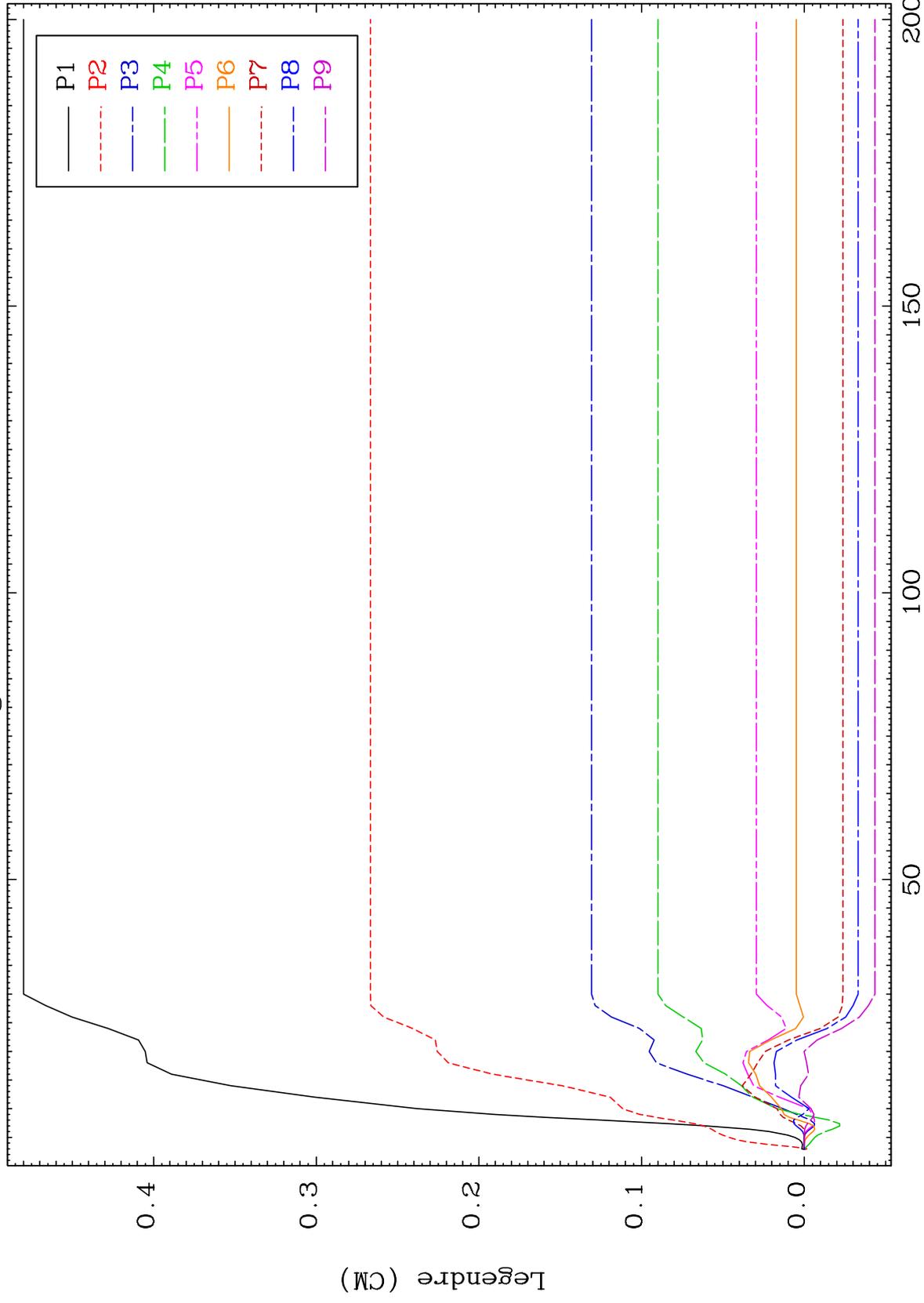
54-Xe-136



MAT 5461

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

54-Xe-136



70

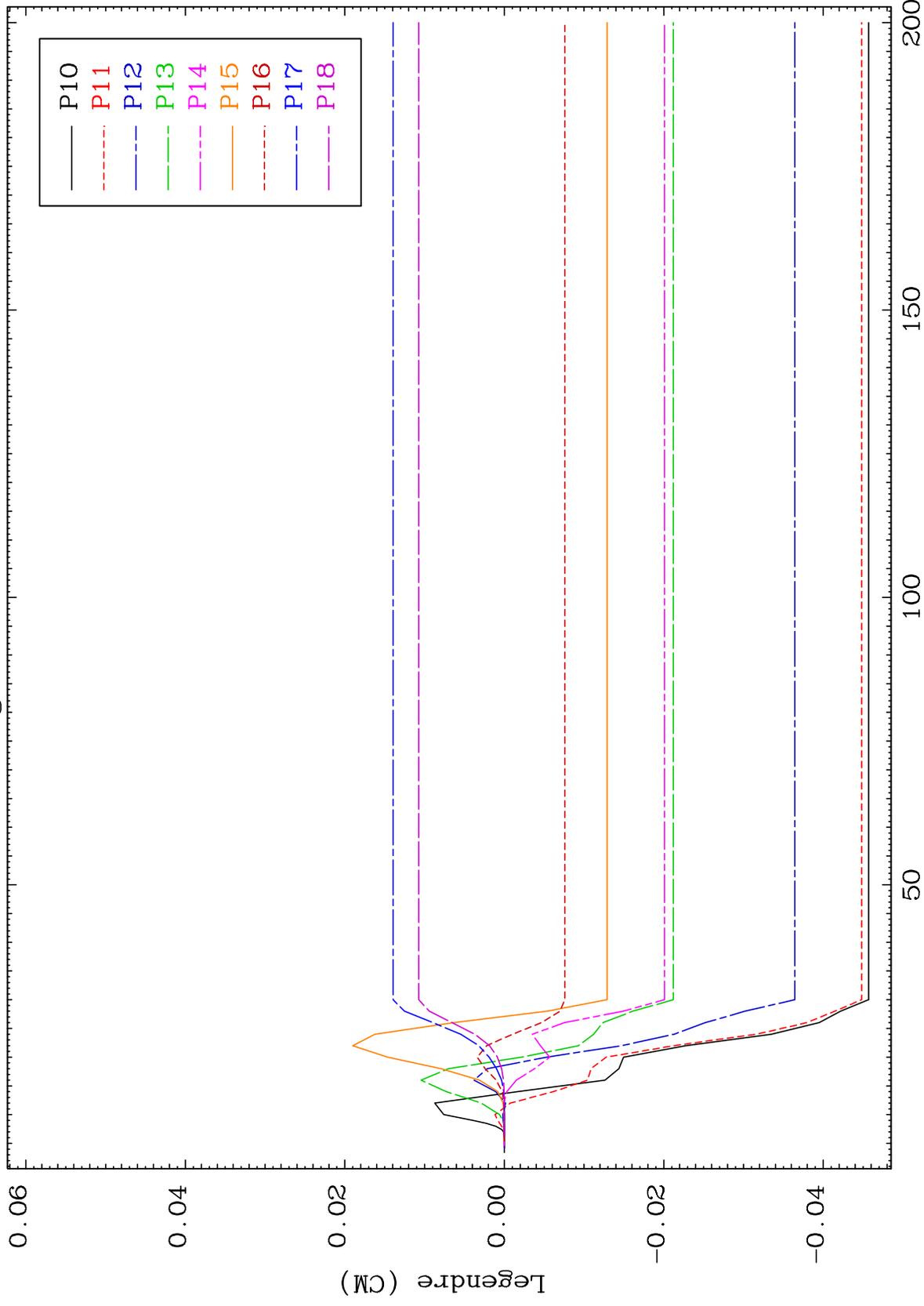
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

54-Xe-136



71

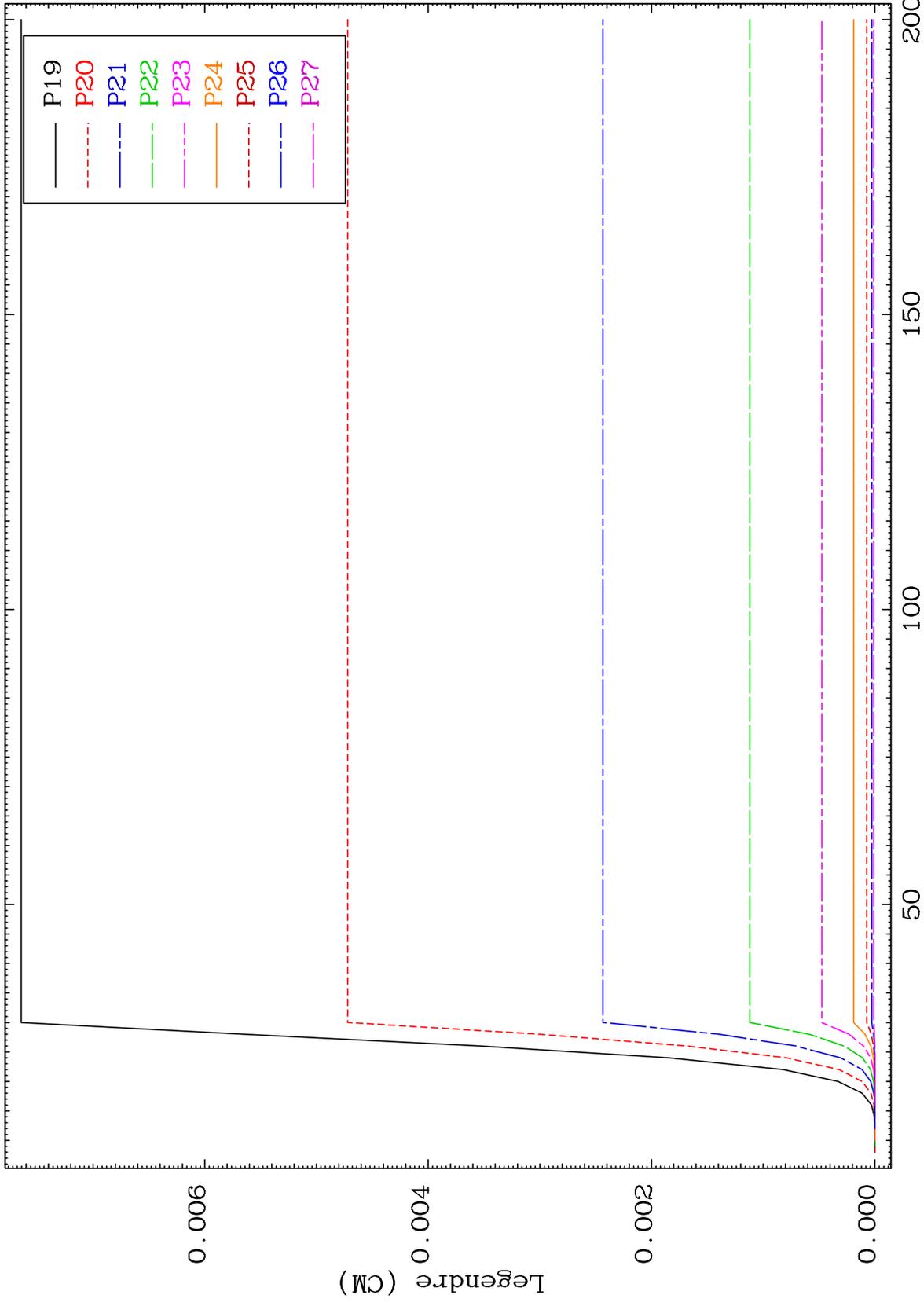
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

54-Xe-136



72

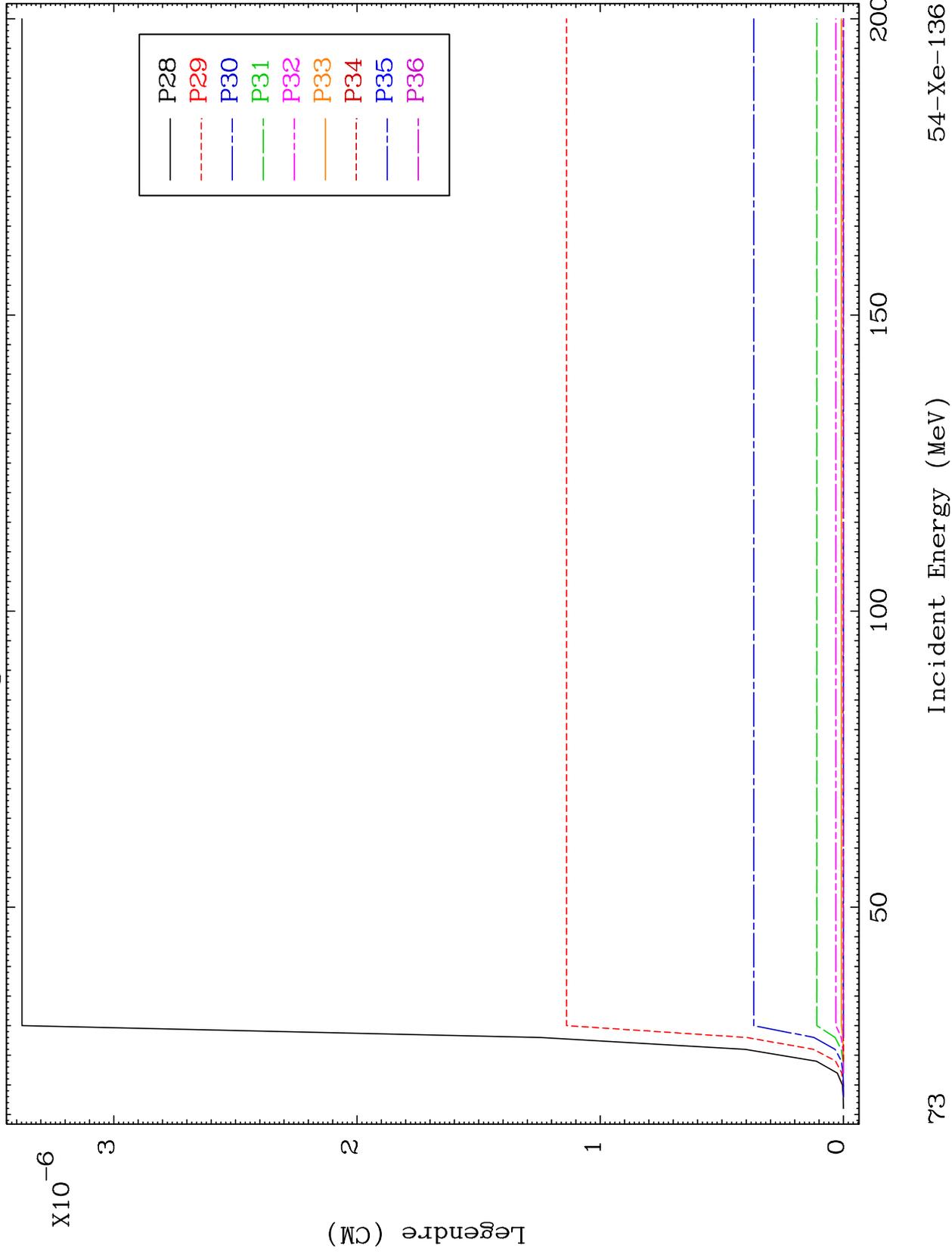
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

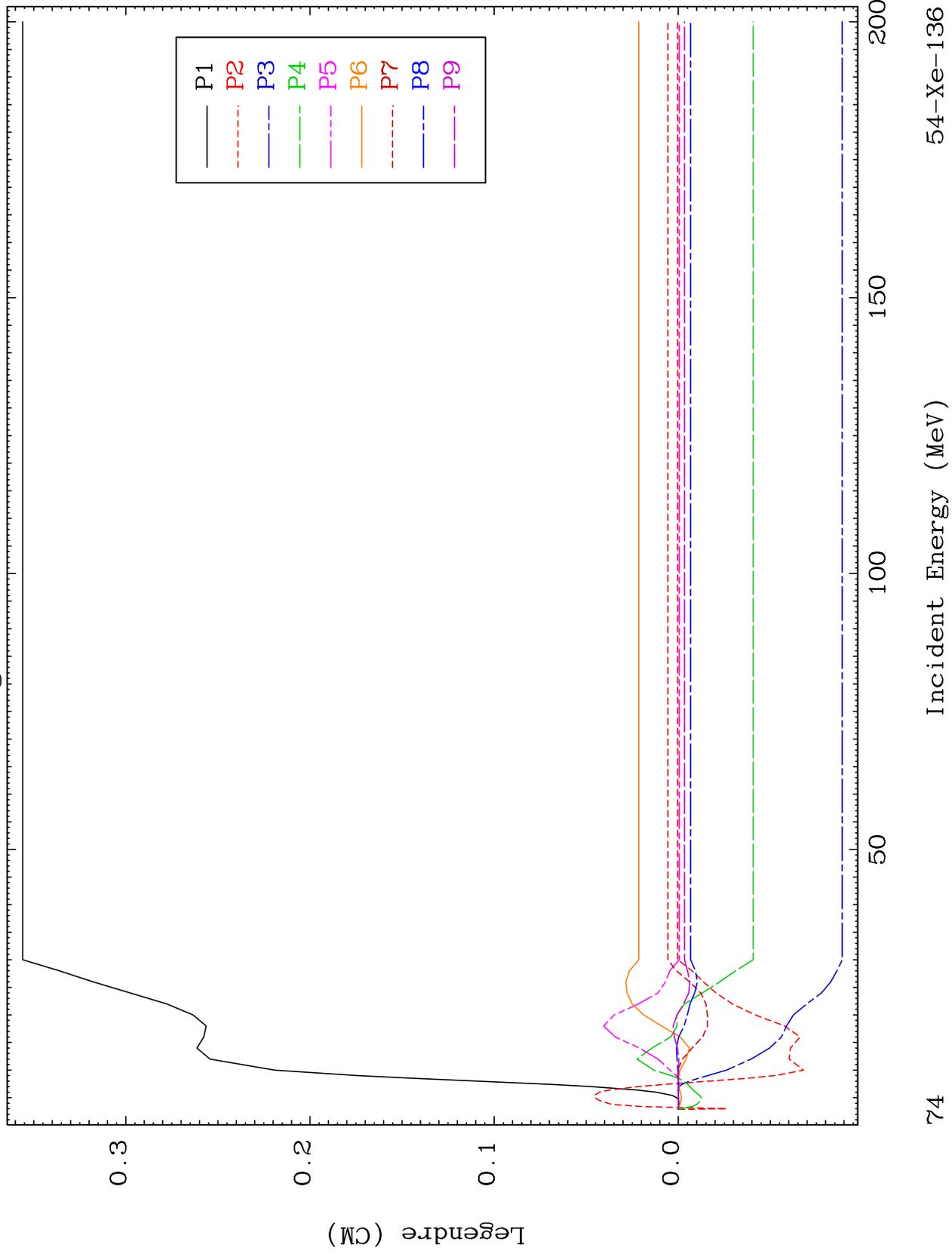
54-Xe-136



MAT 5461

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

54-Xe-136



74

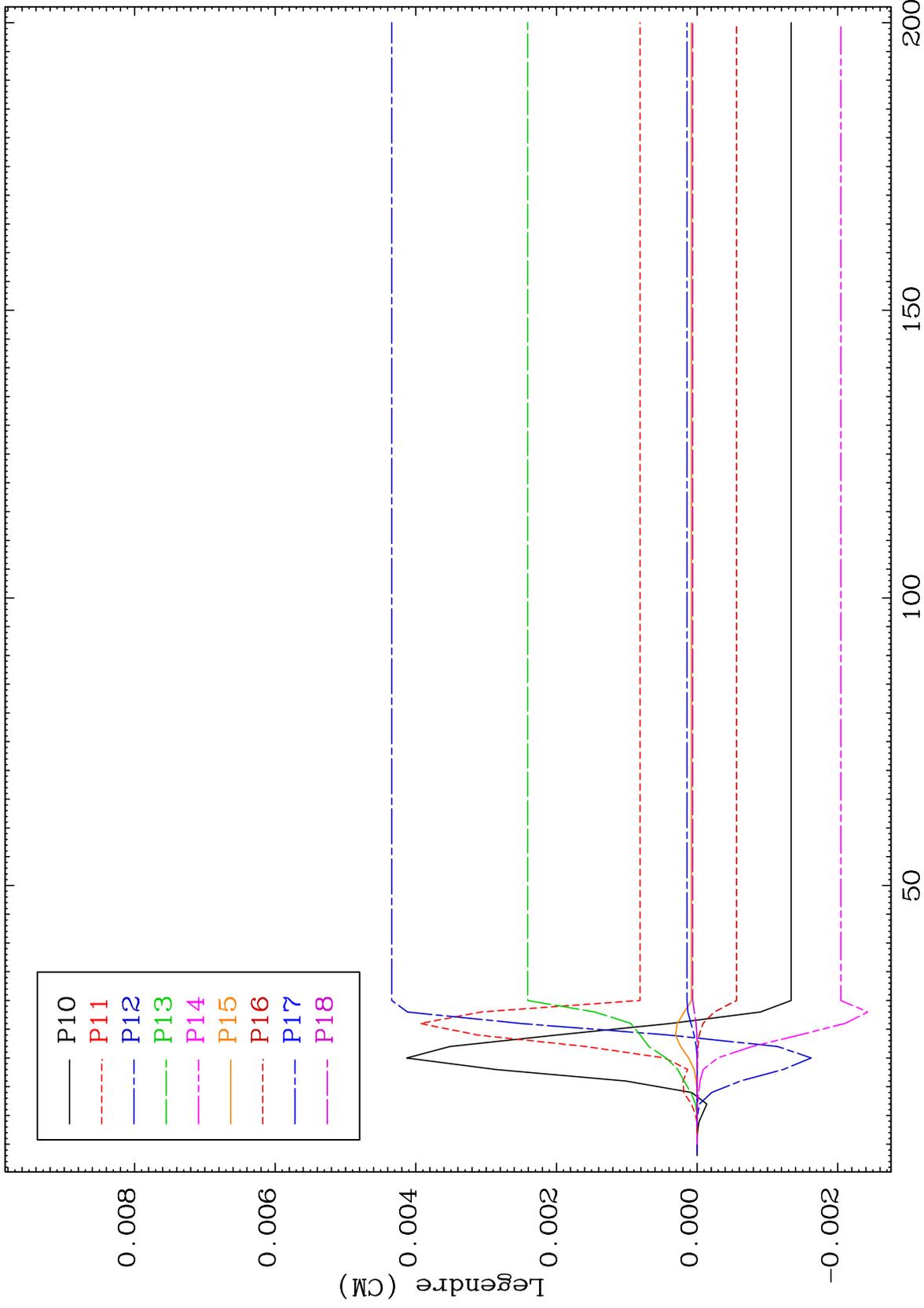
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

54-Xe-136



75

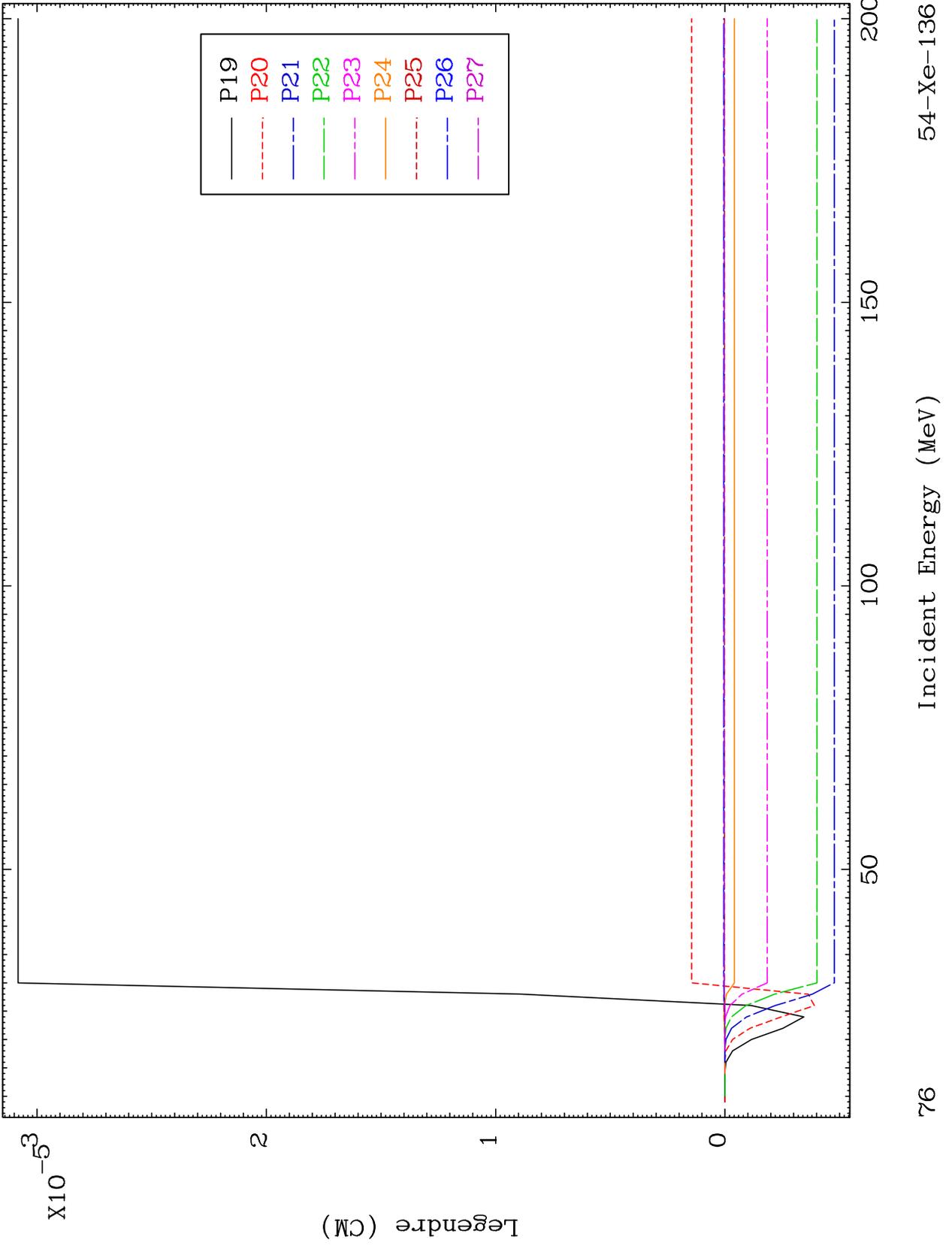
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

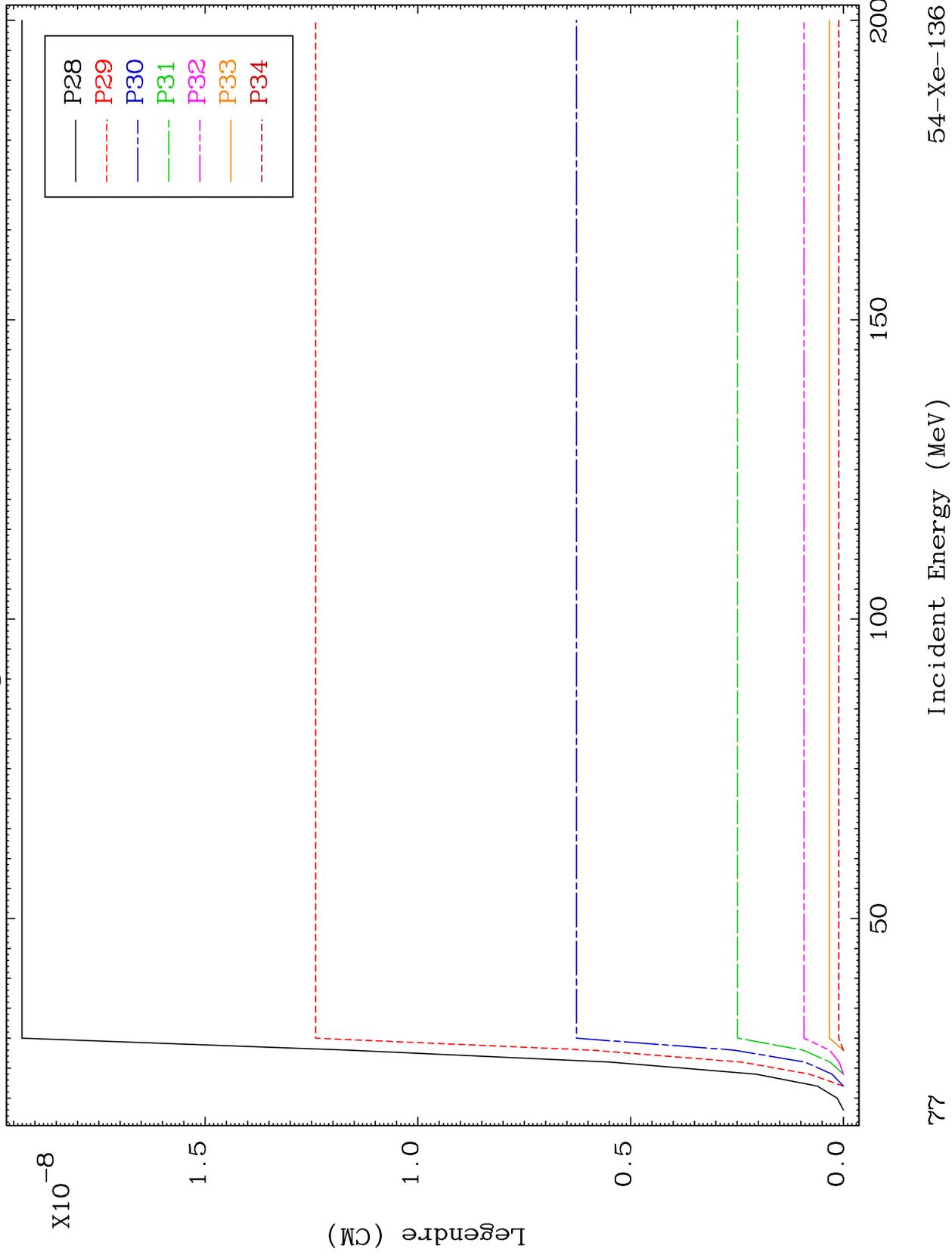
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MAT 5461

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

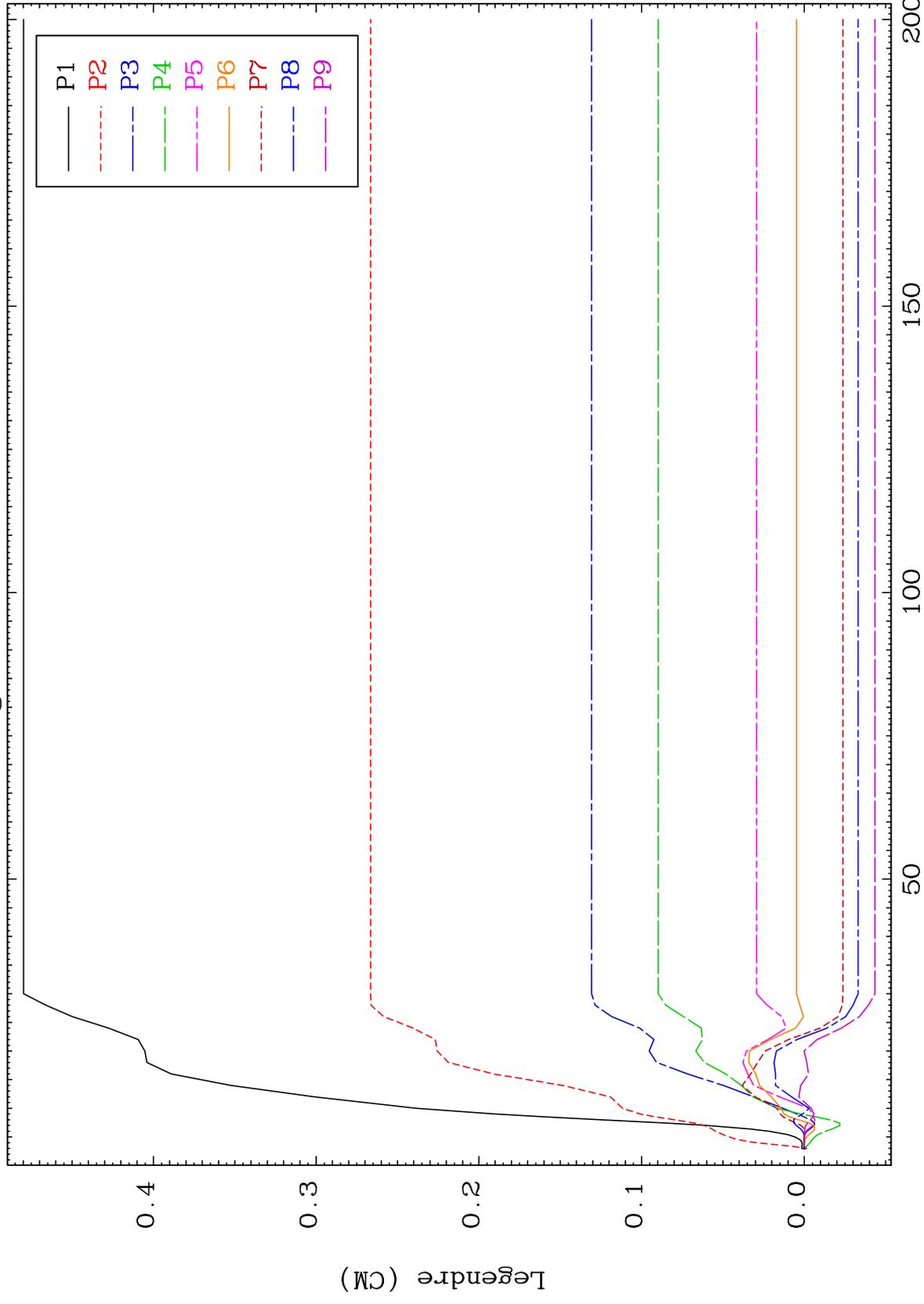
54-Xe-136



MAT 5461

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

54-Xe-136



78

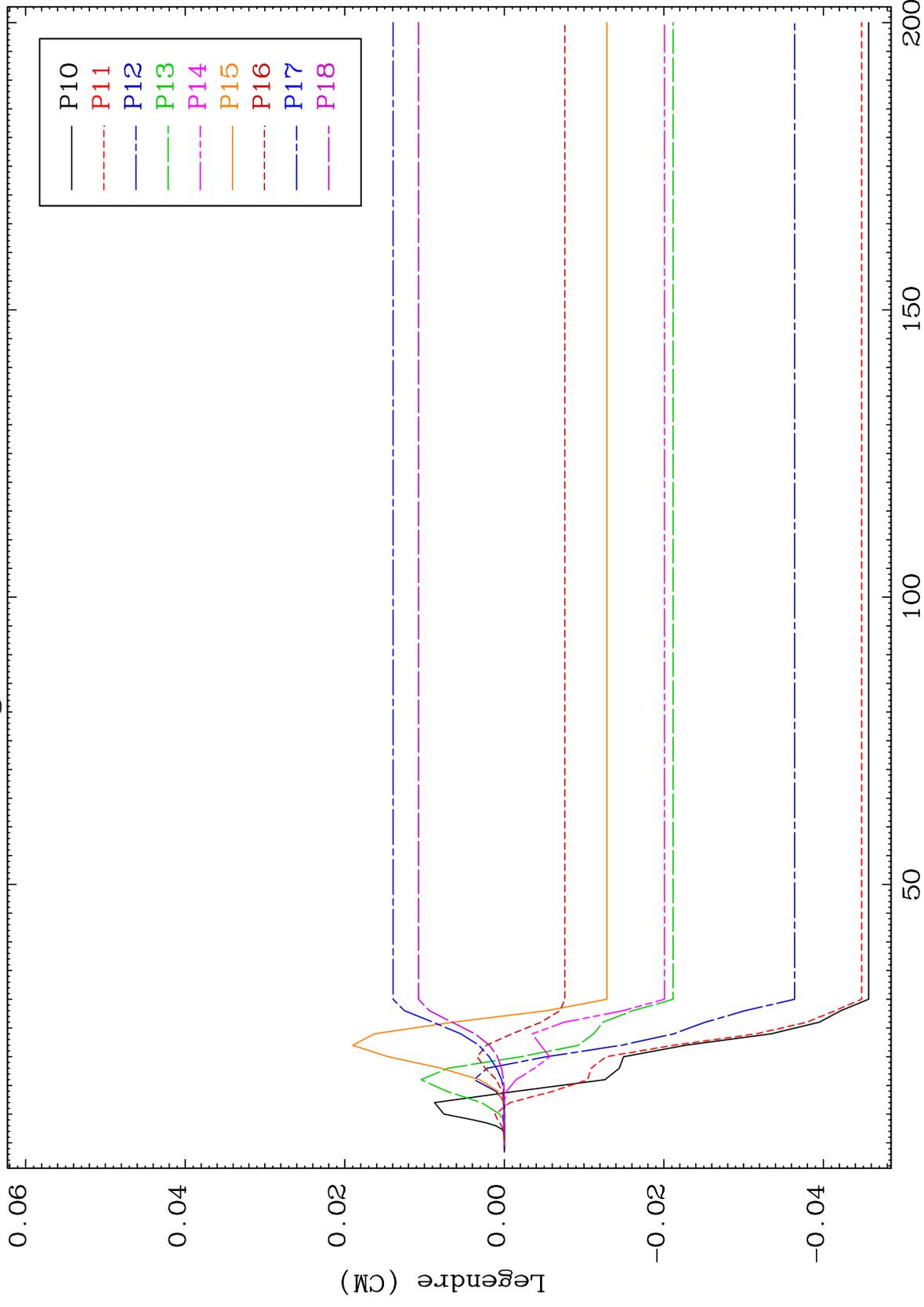
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

54-Xe-136



79

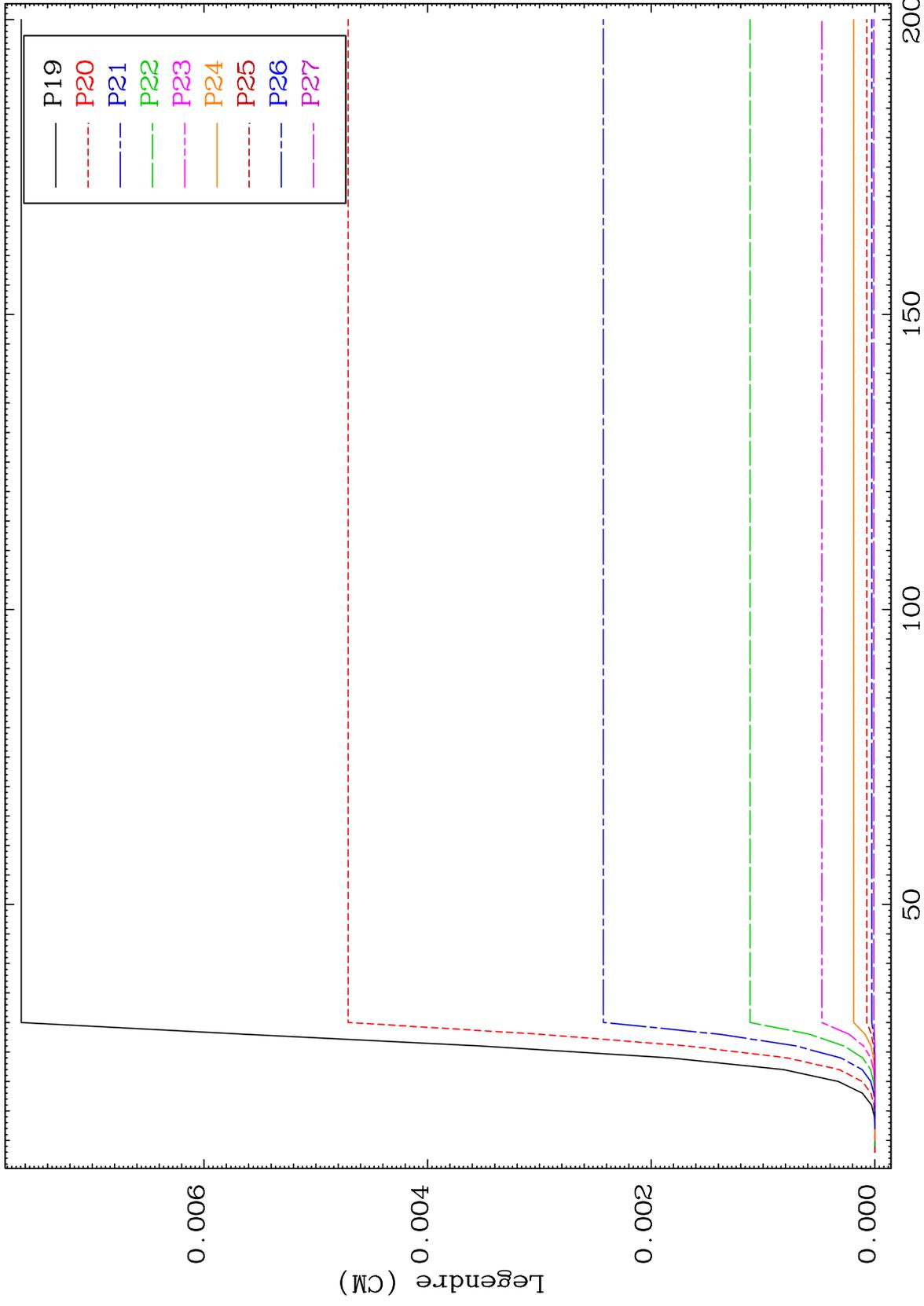
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

54-Xe-136



80

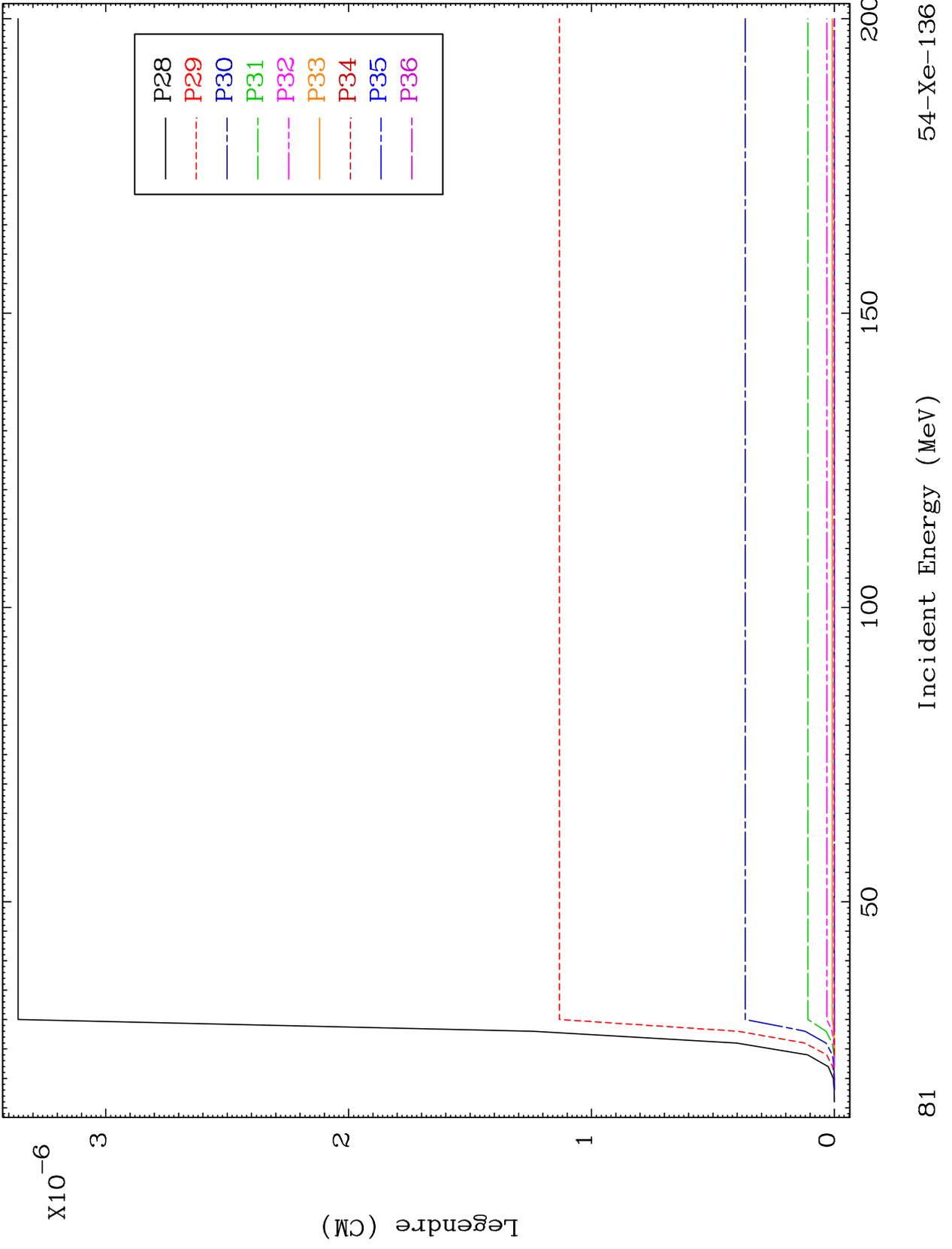
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

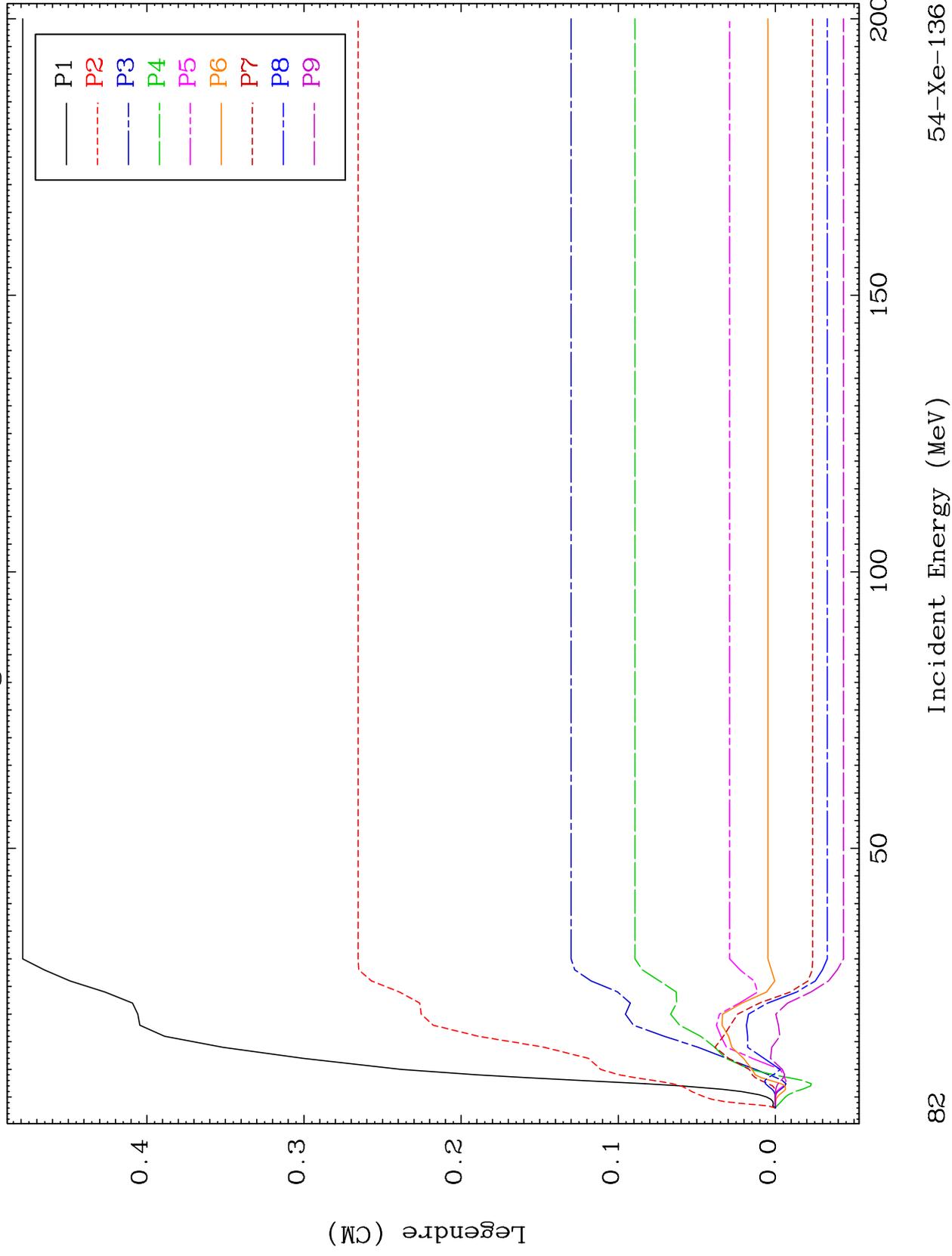
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MAT 5461

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

54-Xe-136

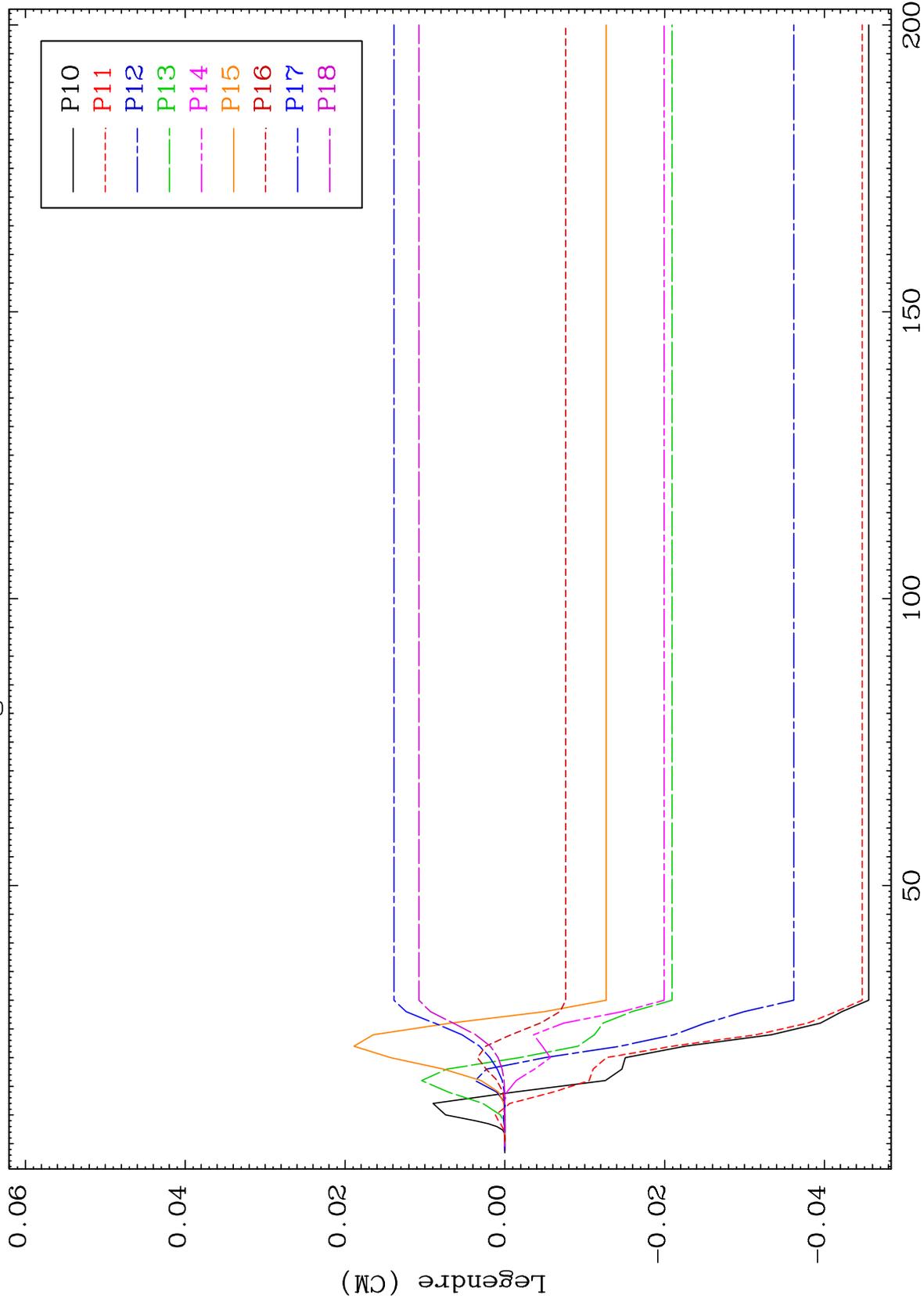


82

MAT 5461

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

54-Xe-136



83

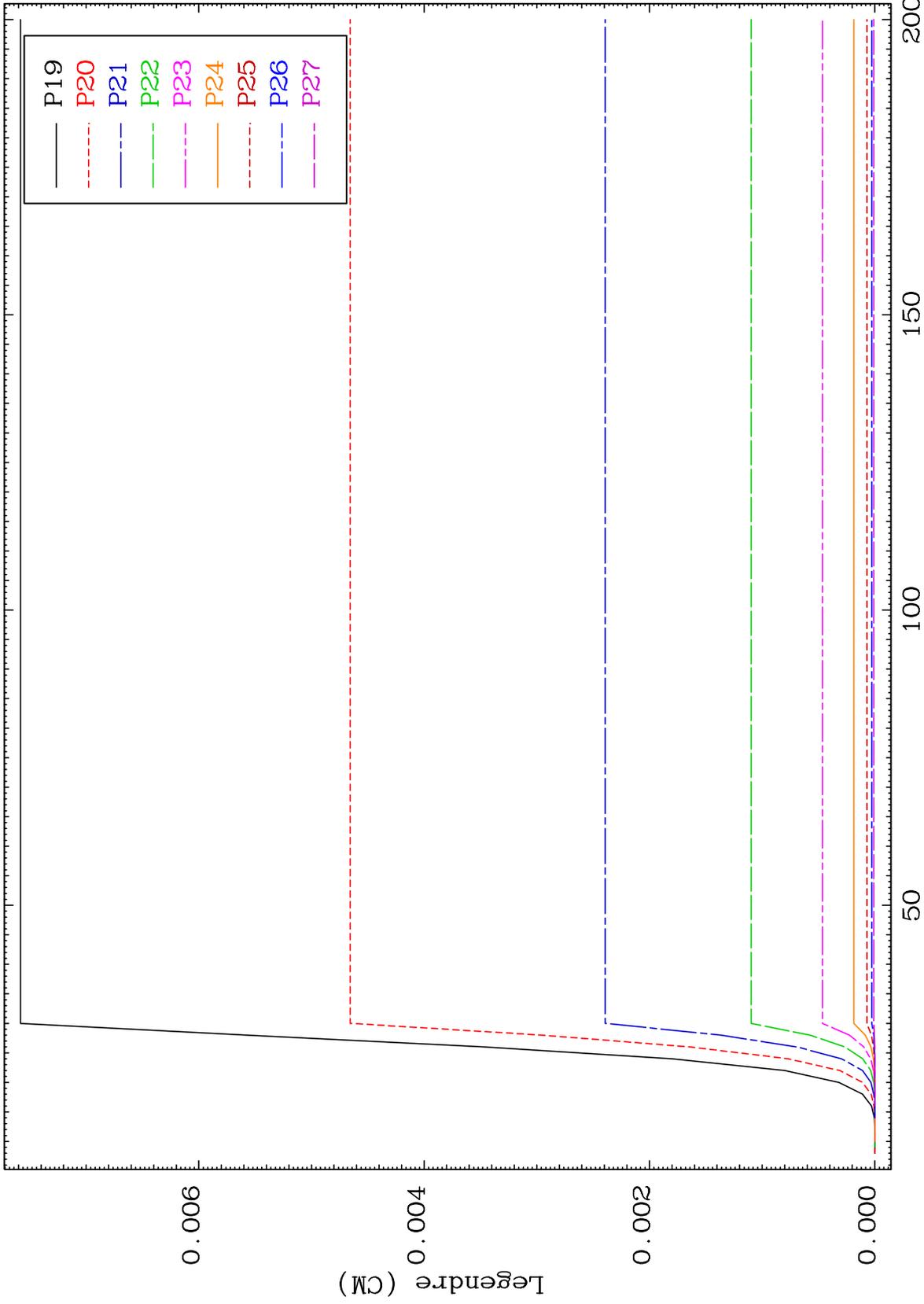
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

54-Xe-136



84

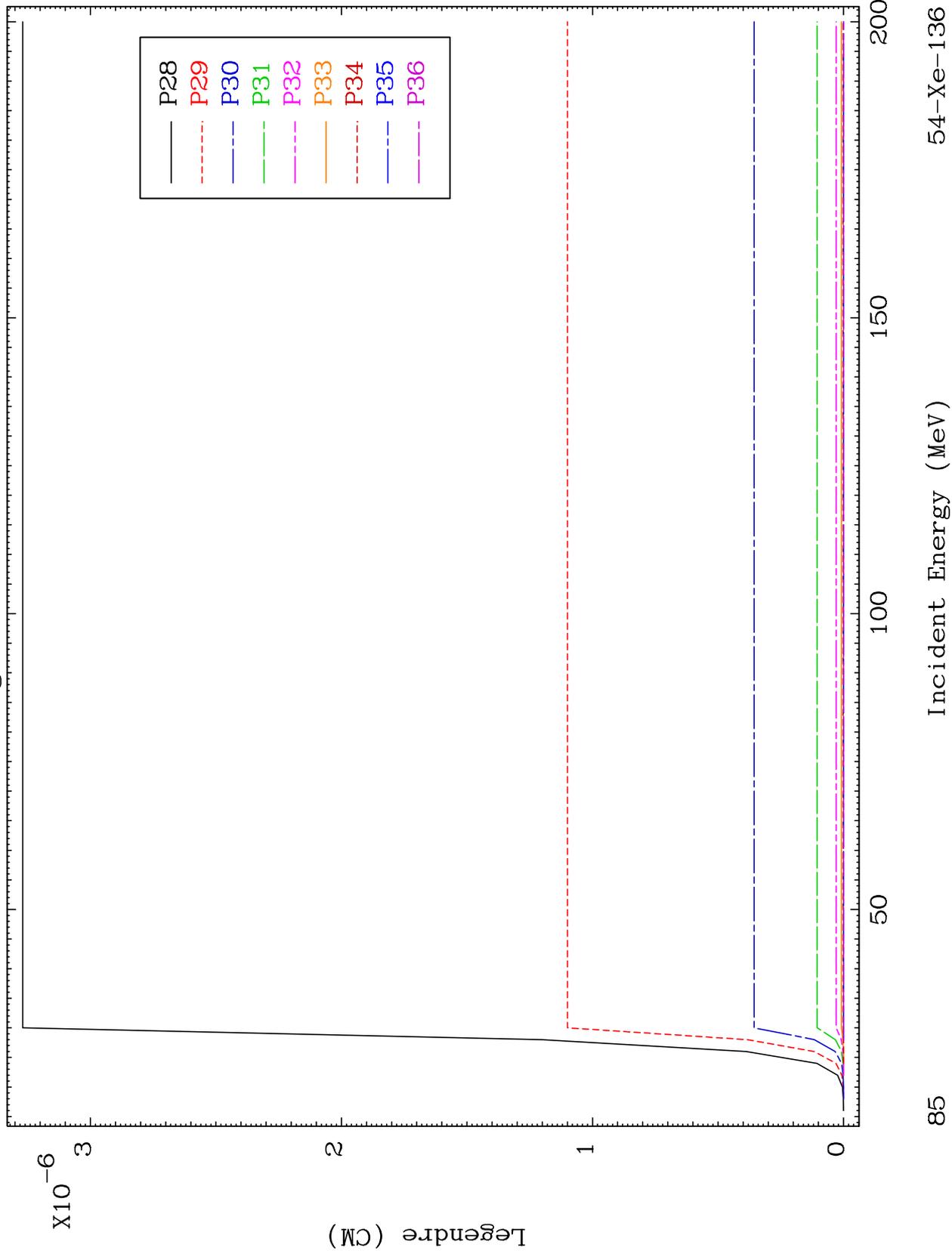
Incident Energy (MeV)

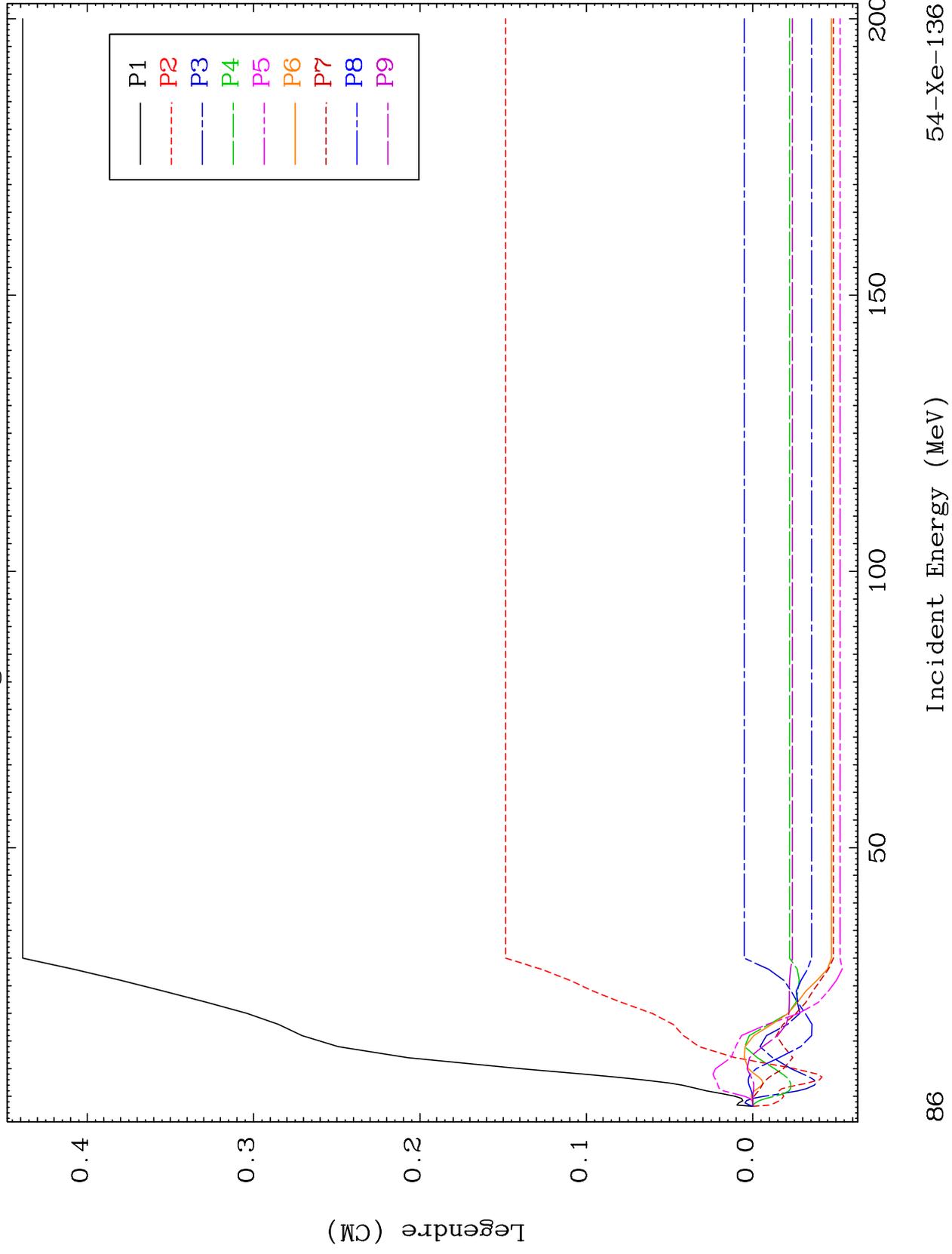
54-Xe-136

MAT 5461

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

54-Xe-136

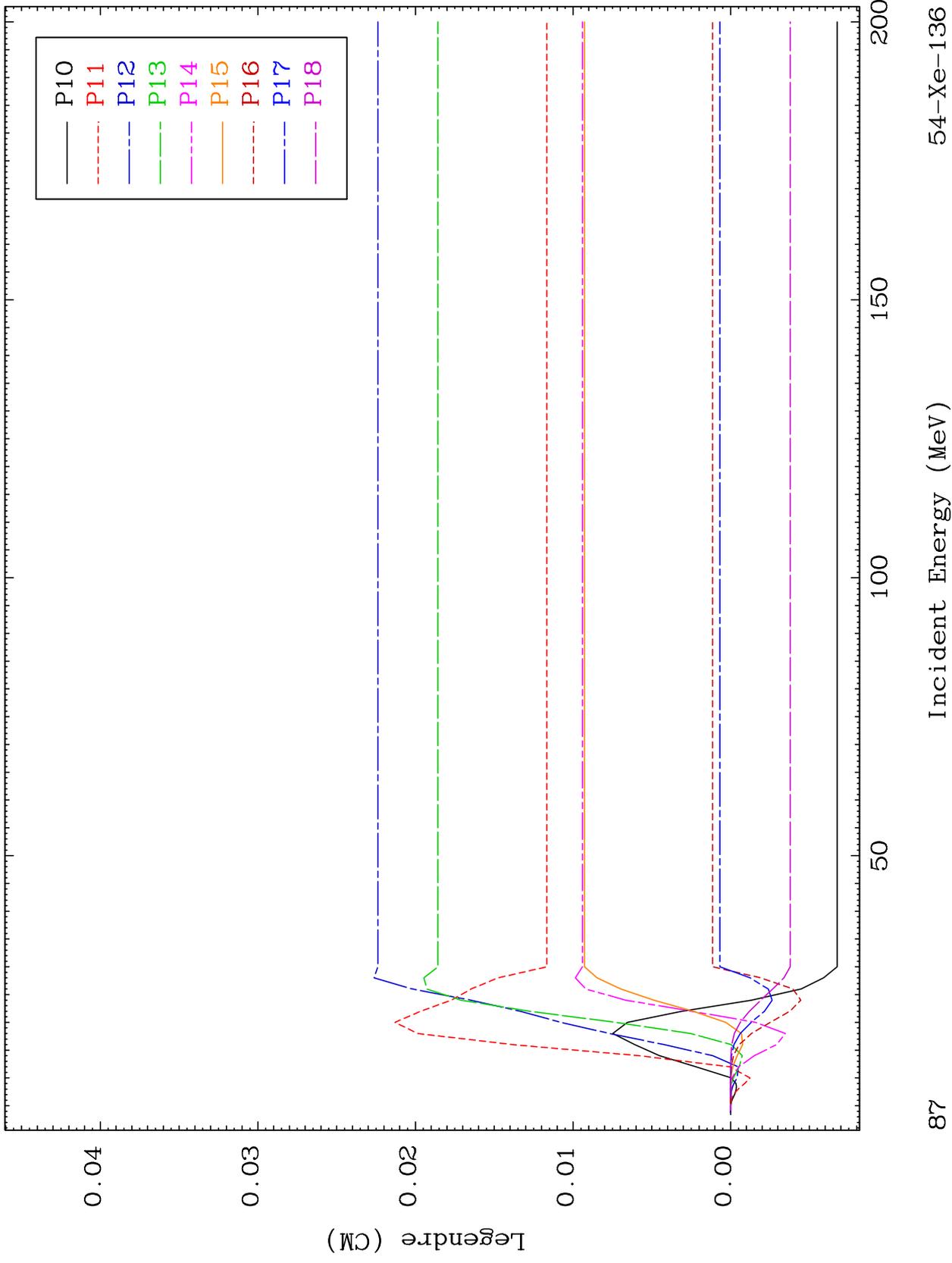




MAT 5461

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

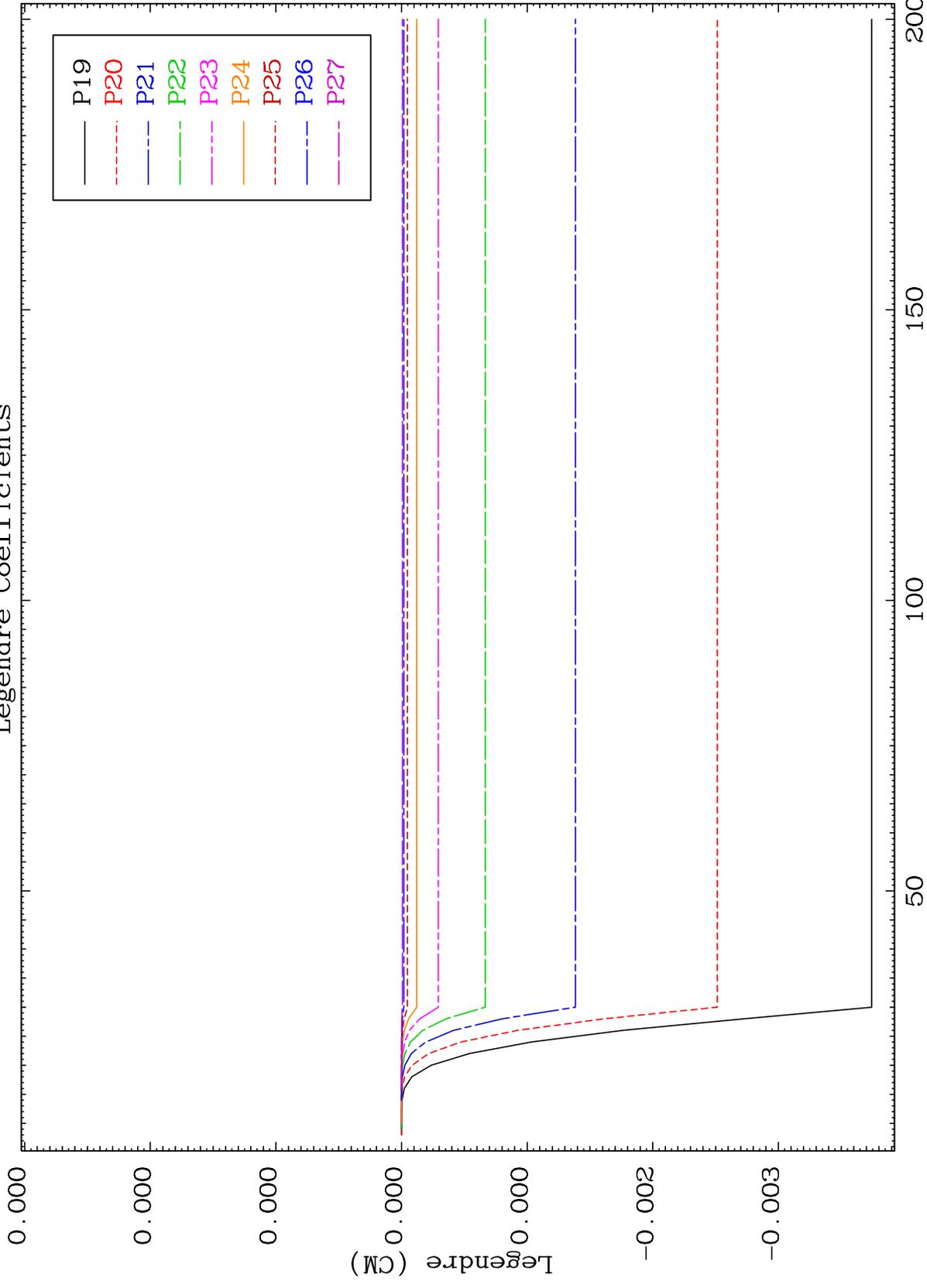
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MAT 5461

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

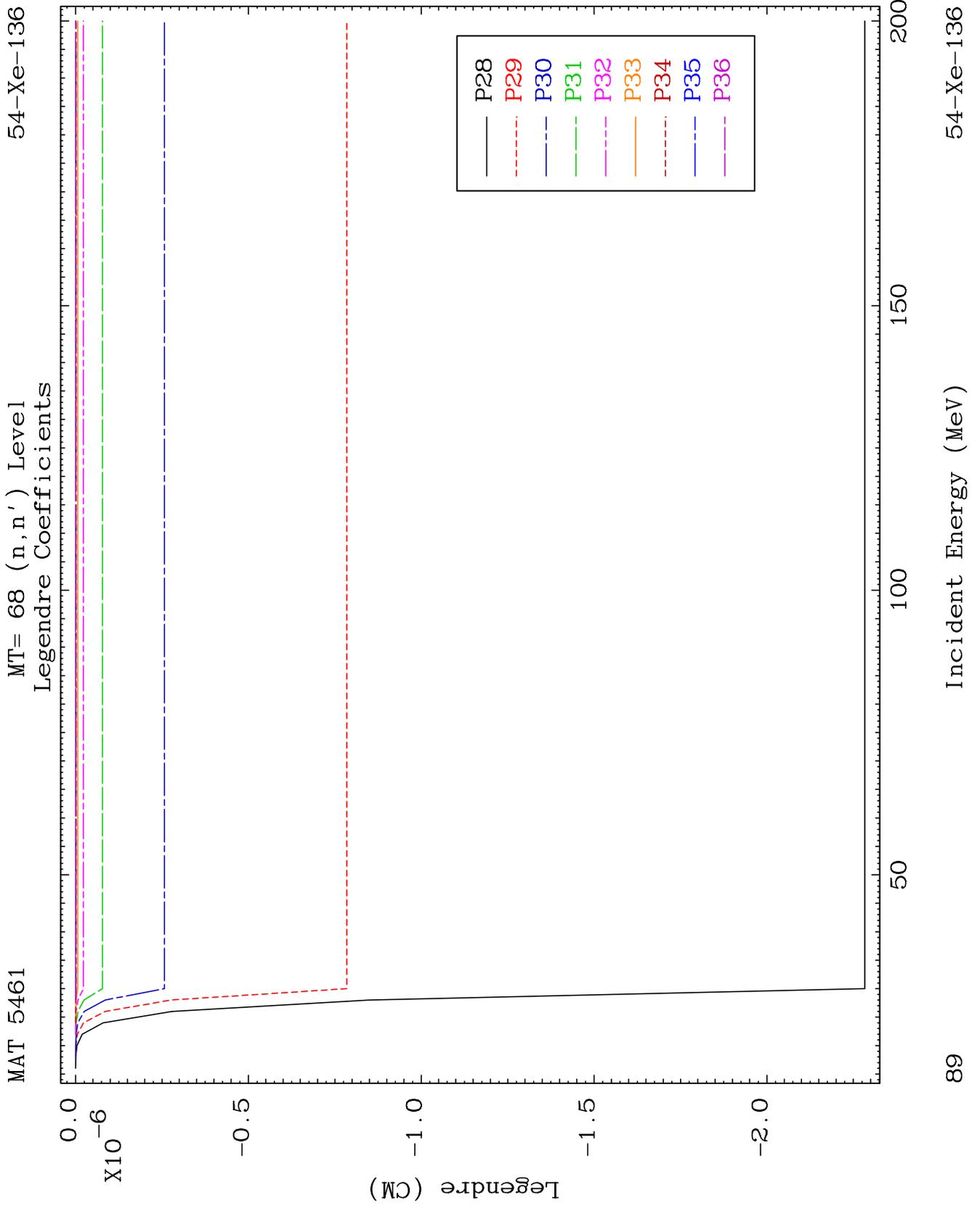
54-Xe-136



88

Incident Energy (MeV)

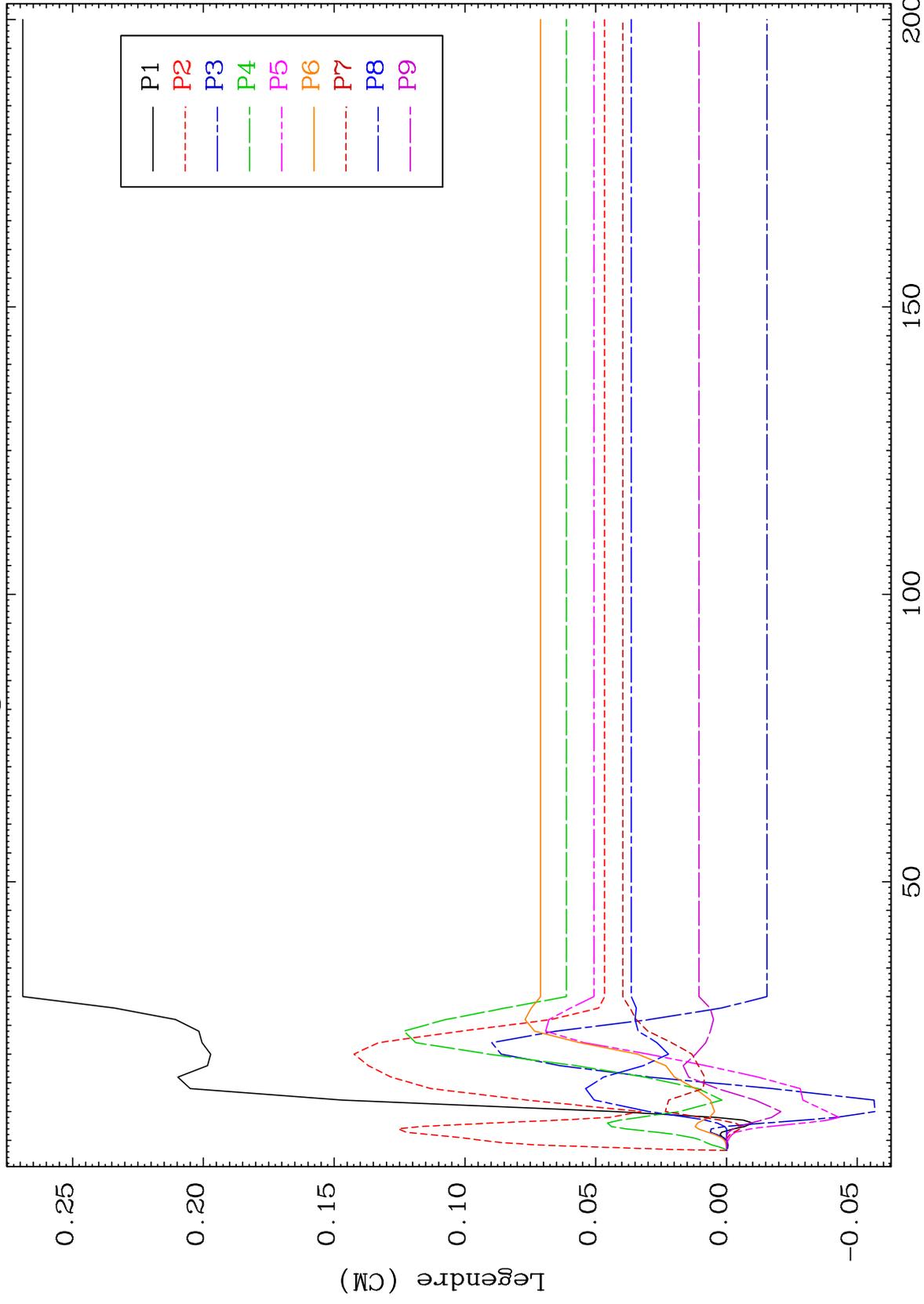
54-Xe-136



MAT 5461

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

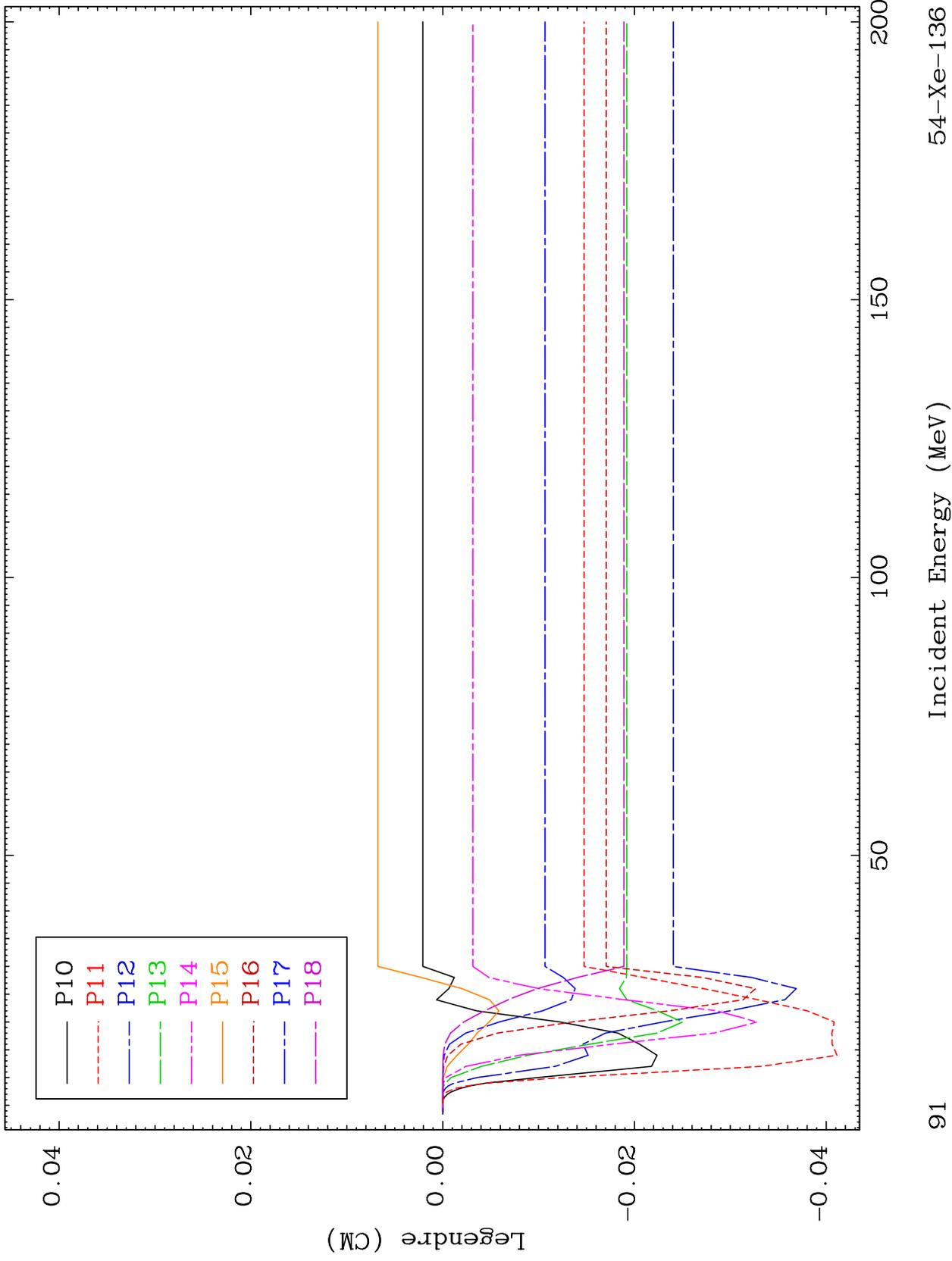
54-Xe-136



90

Incident Energy (MeV)

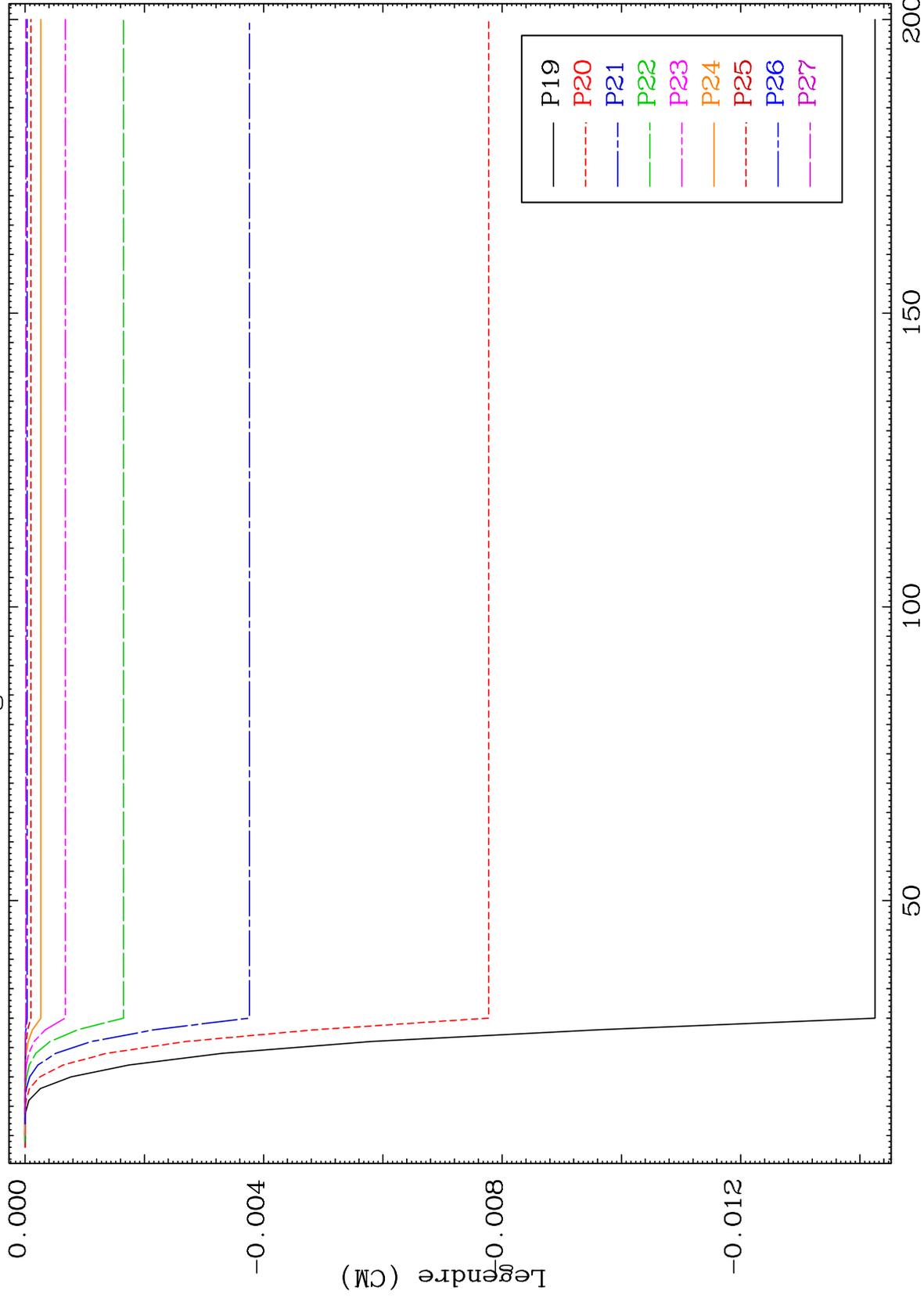
54-Xe-136



MAT 5461

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

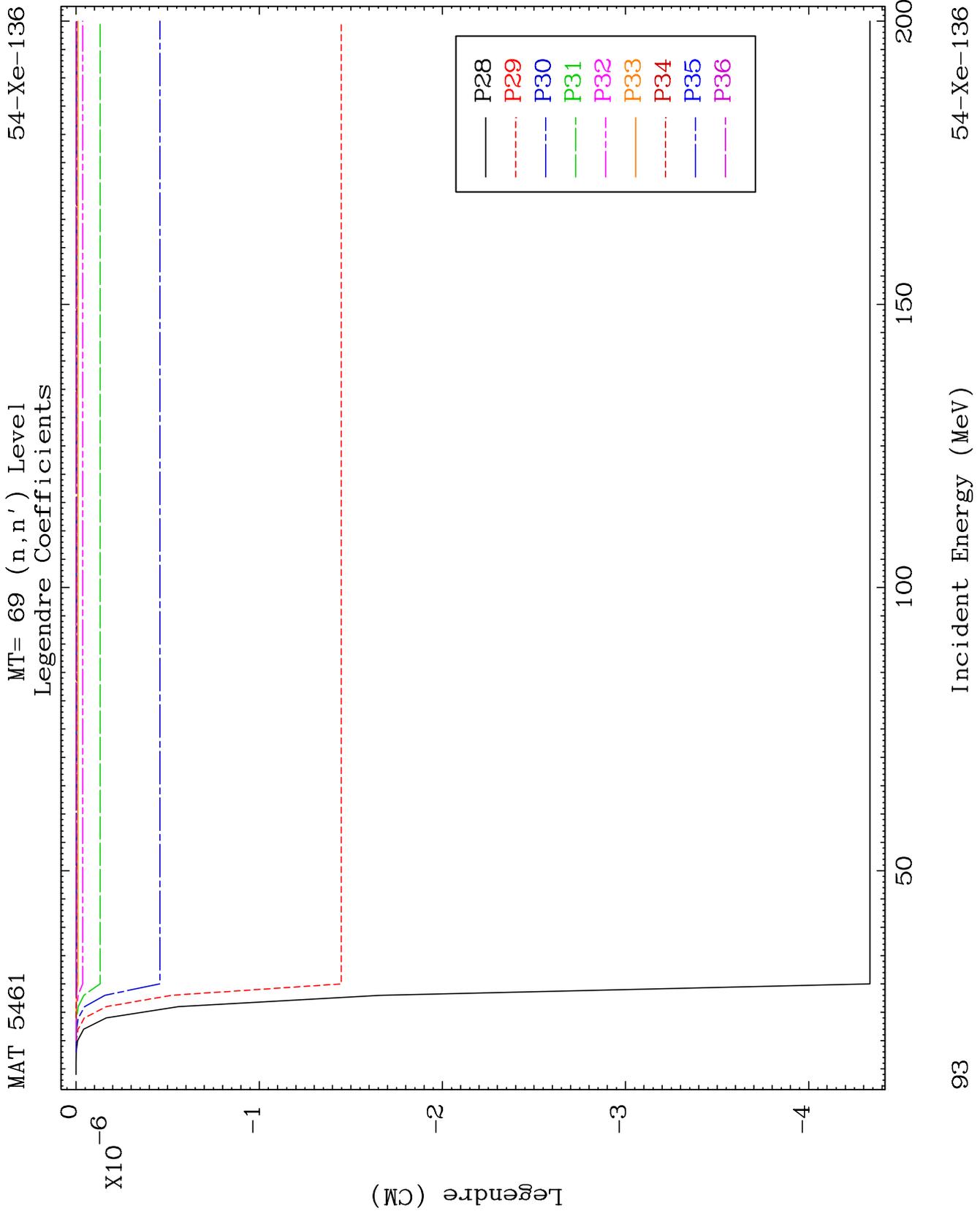
54-Xe-136



92

Incident Energy (MeV)

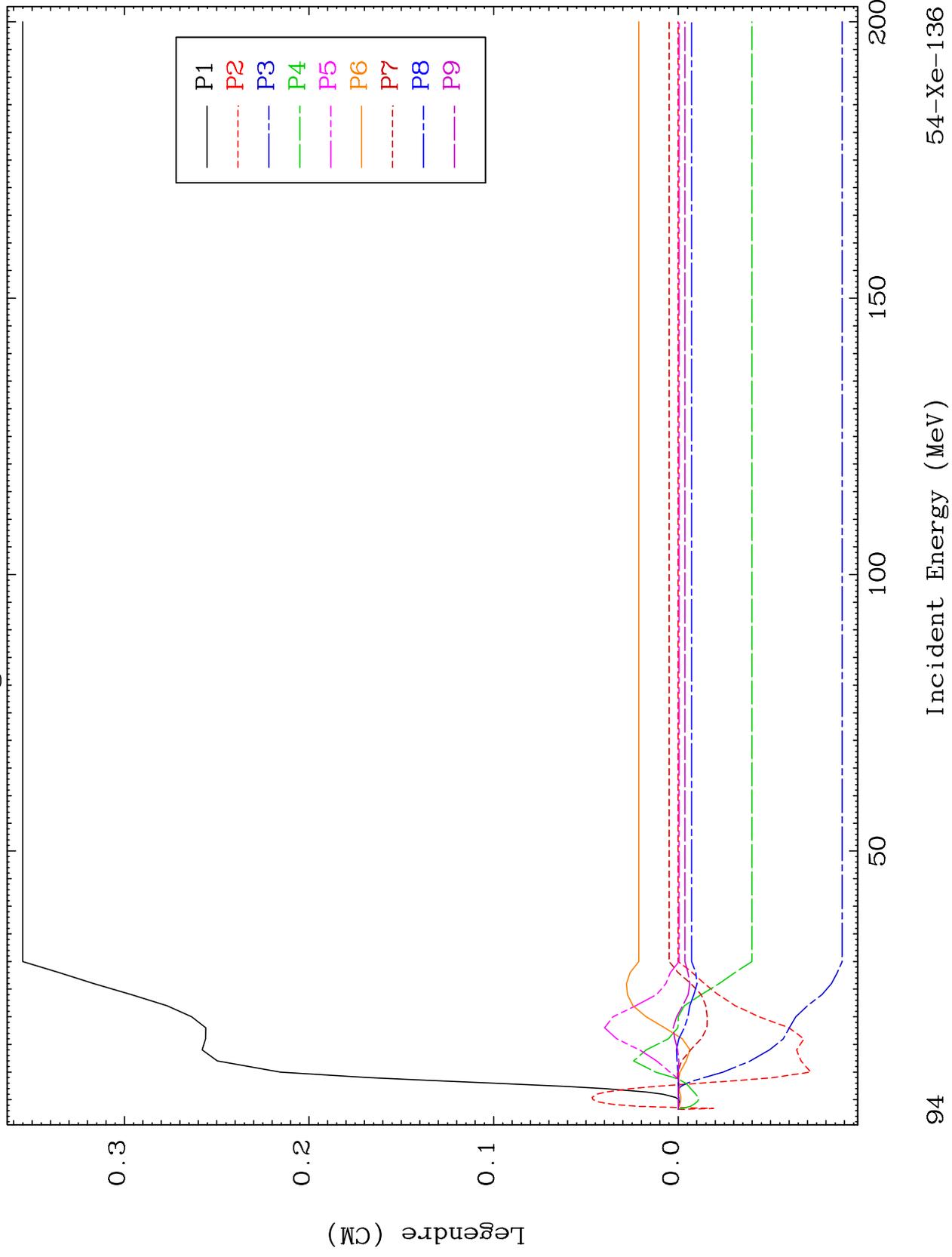
54-Xe-136



MAT 5461

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

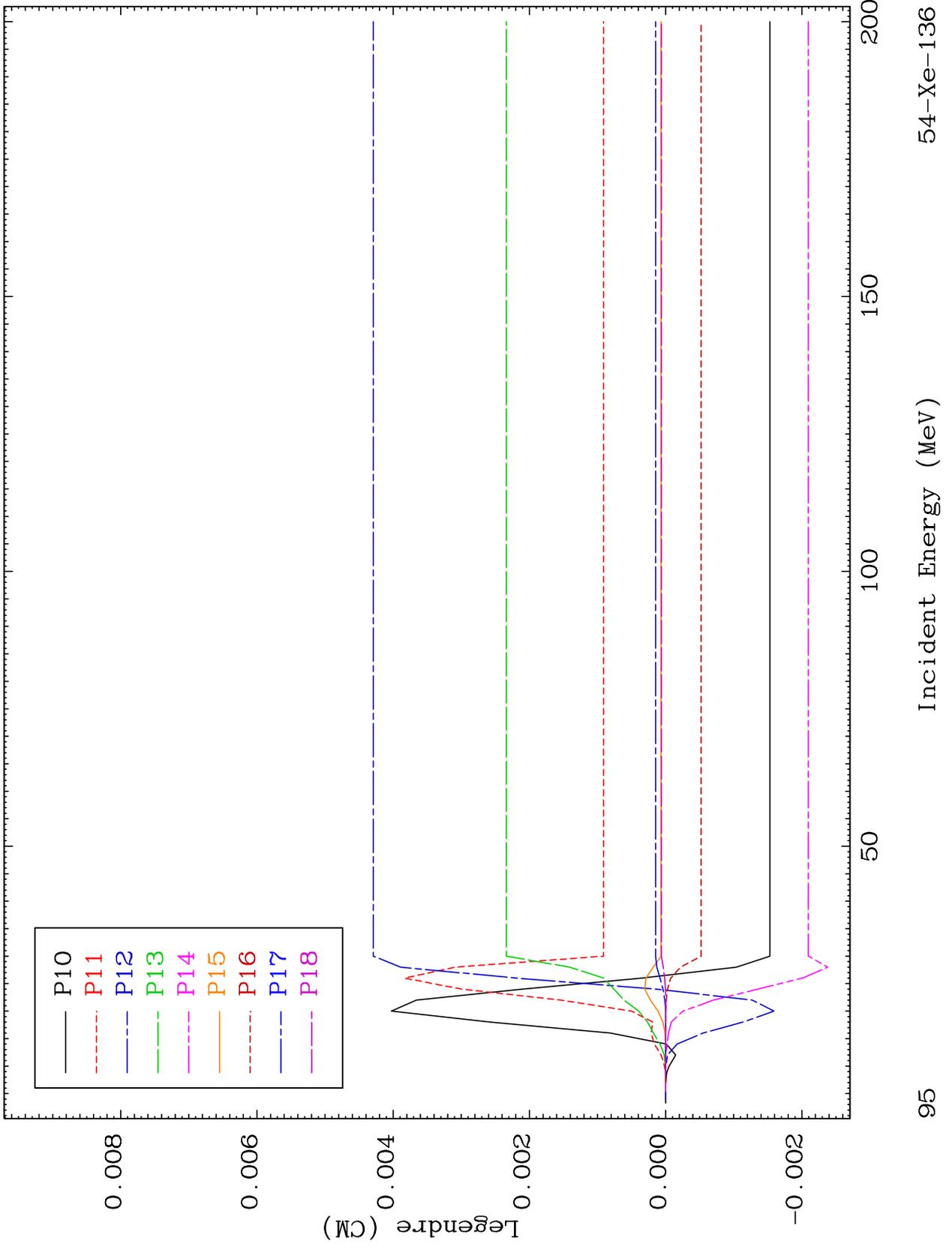
54-Xe-136

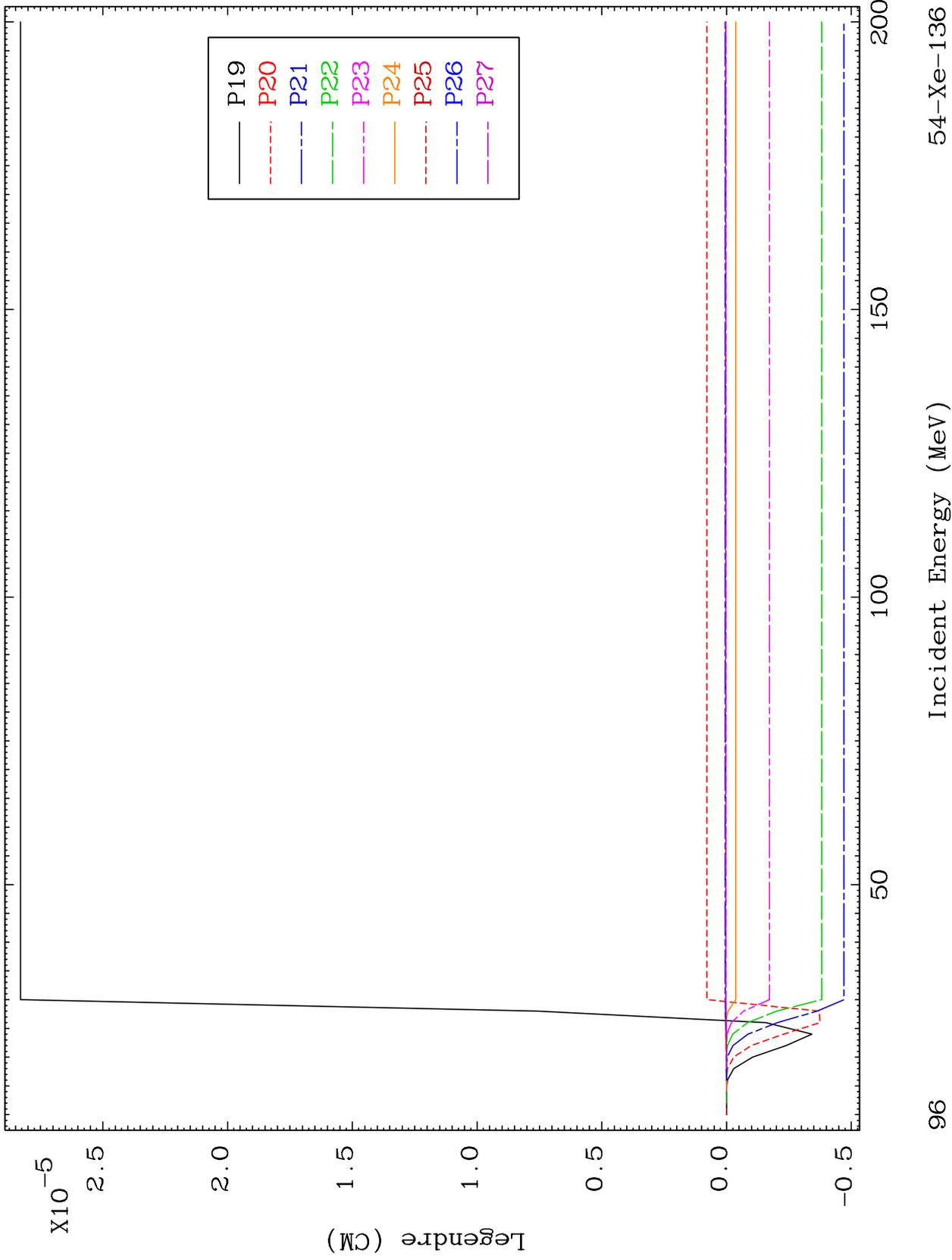


94

Incident Energy (MeV)

54-Xe-136

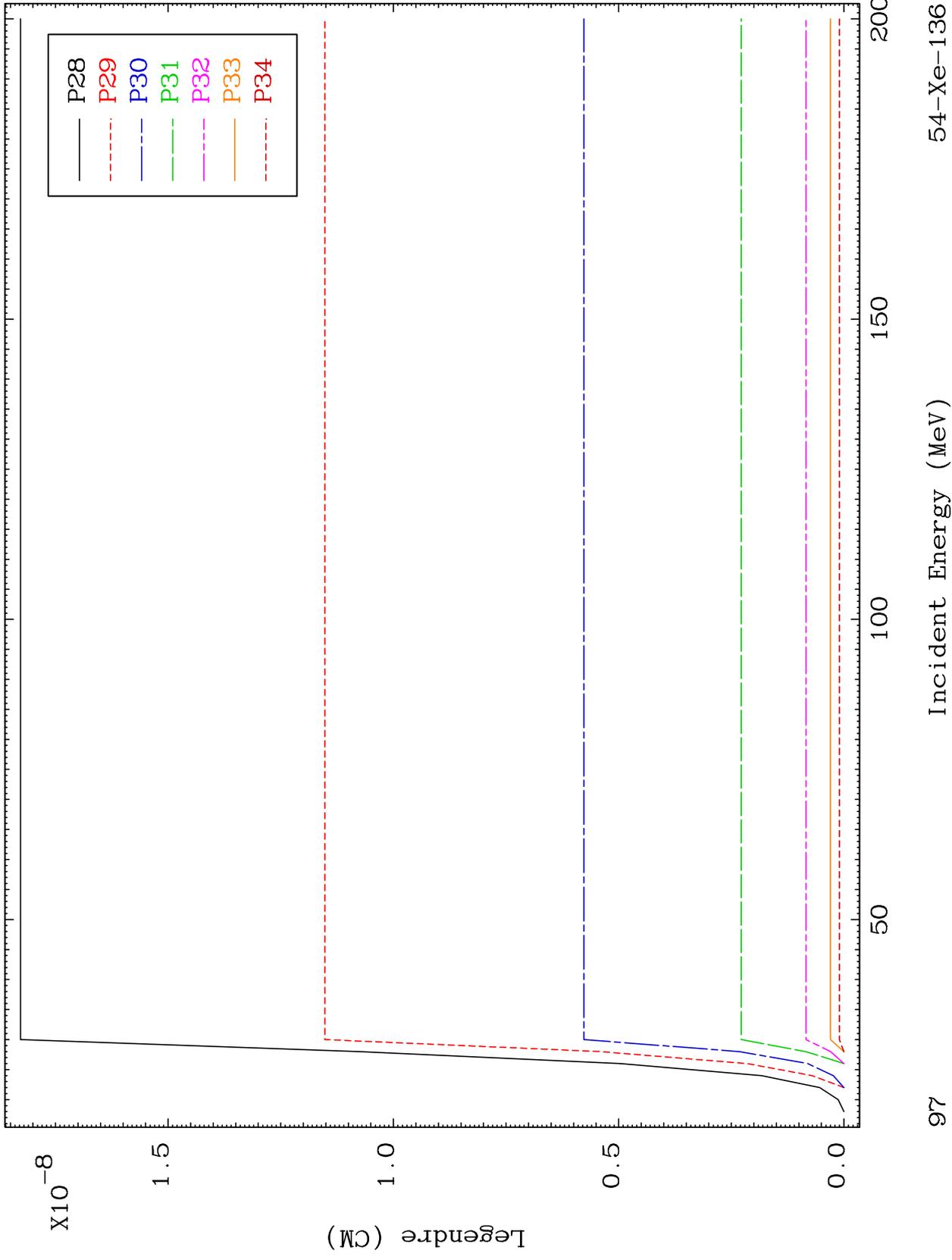




MAT 5461

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

54-Xe-136



97

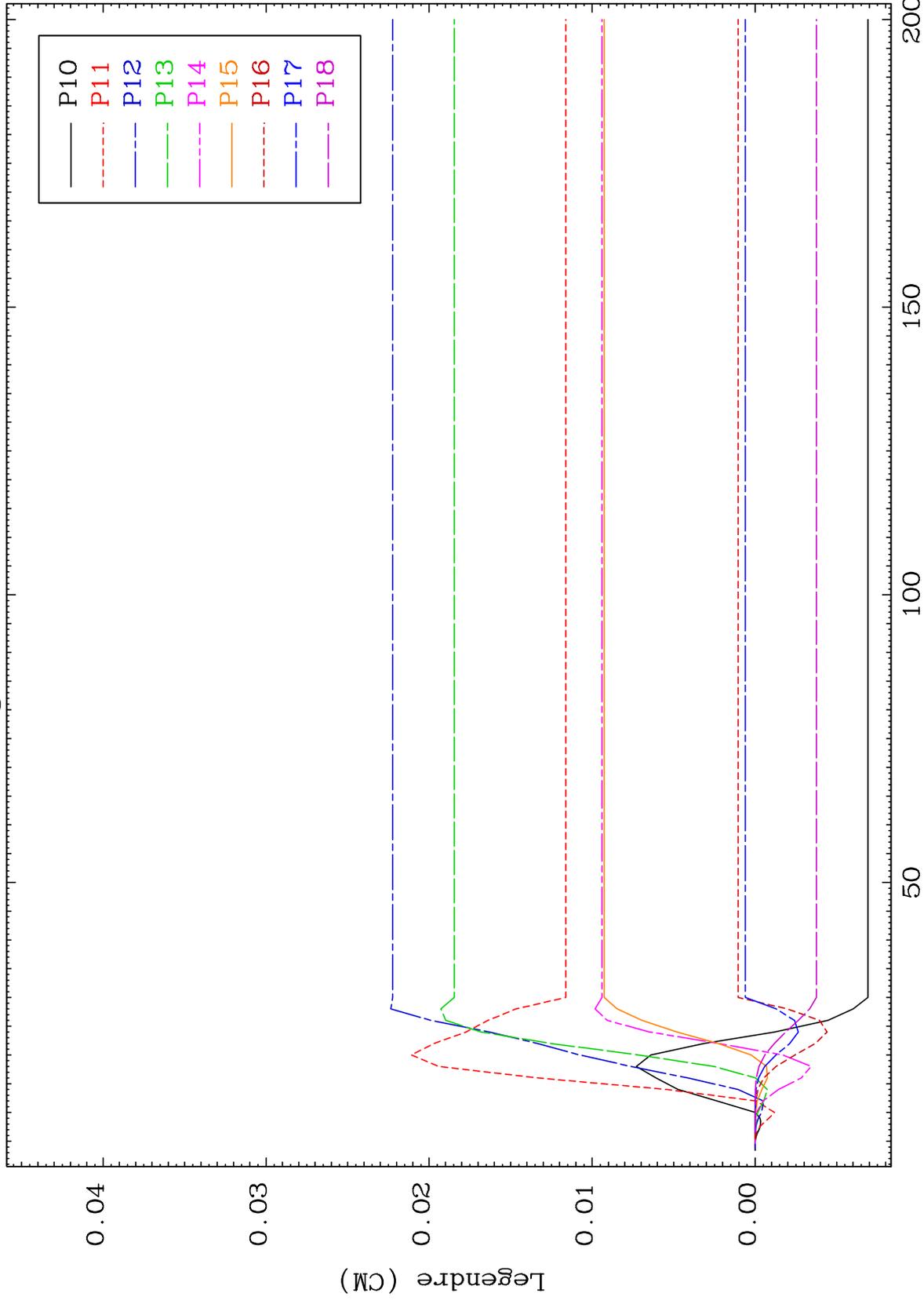
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

54-Xe-136



99

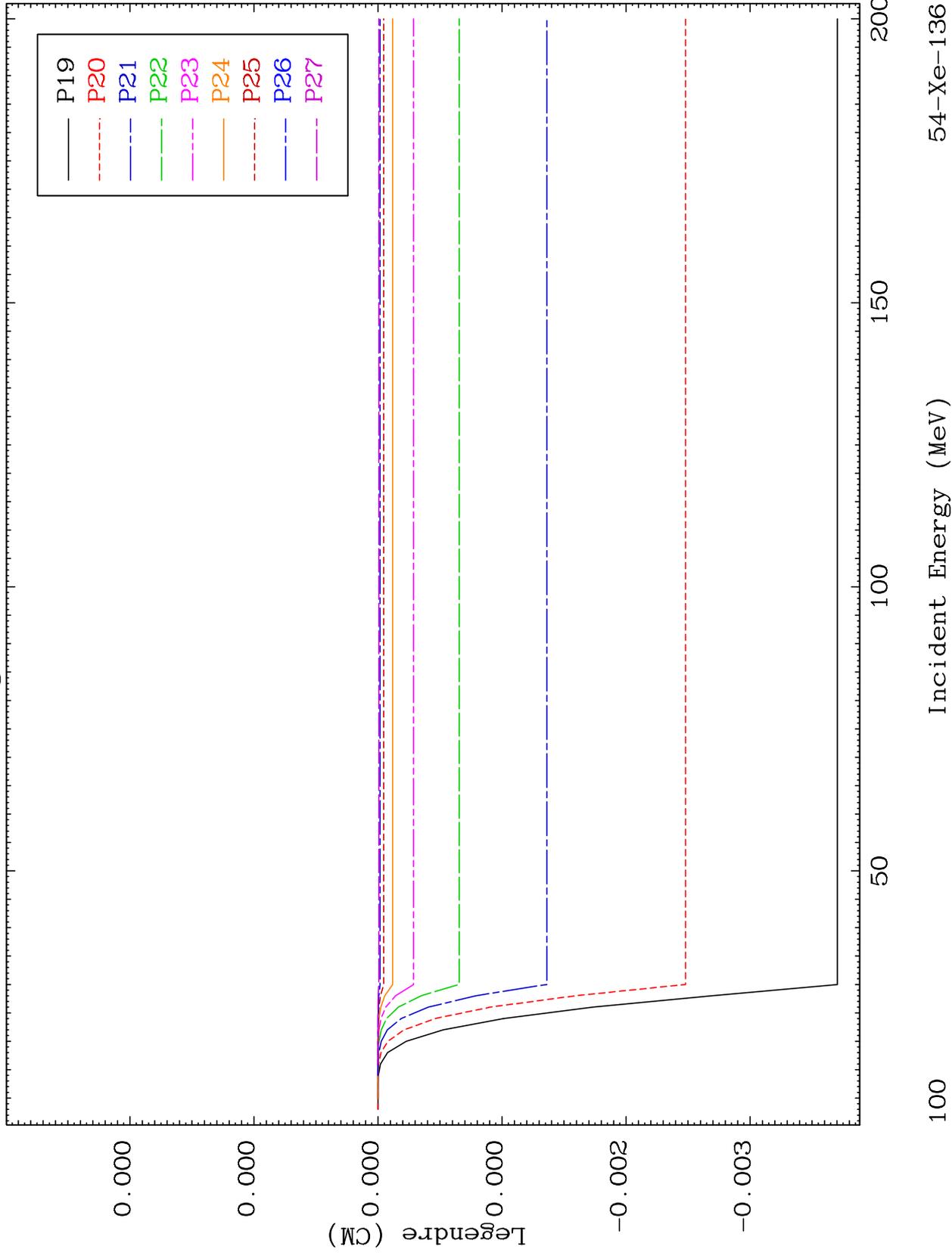
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

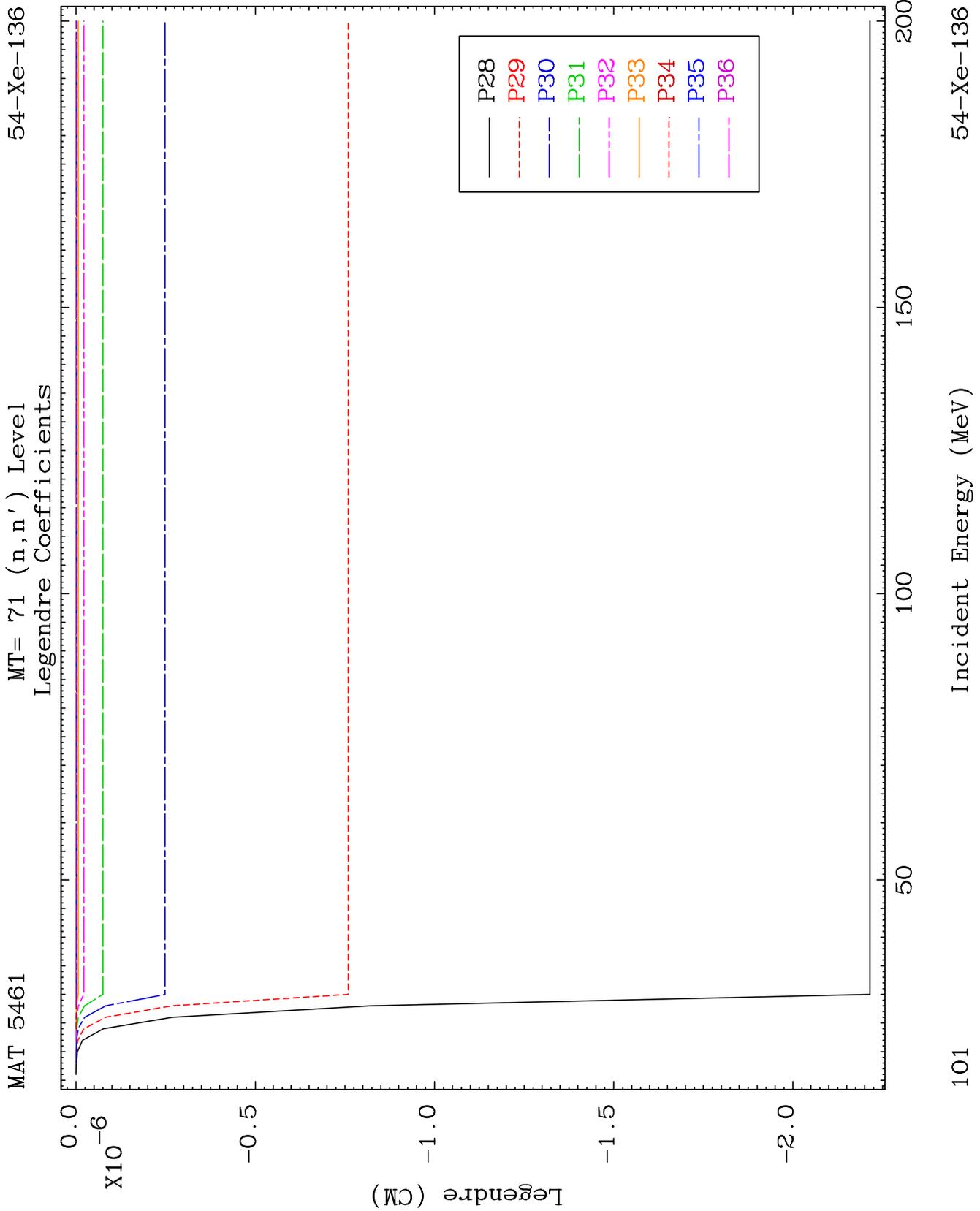
54-Xe-136

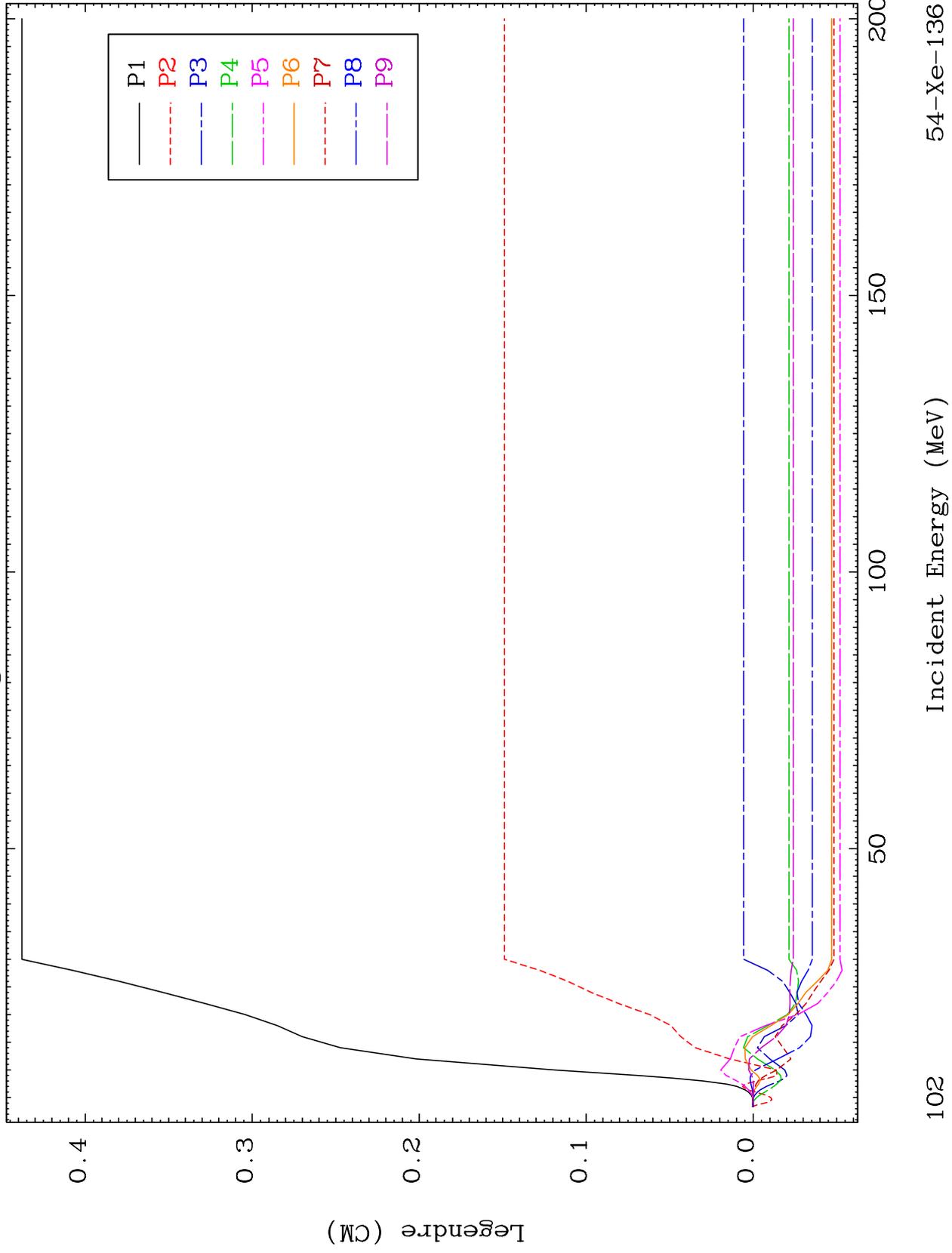


54-Xe-136

Incident Energy (MeV)

100

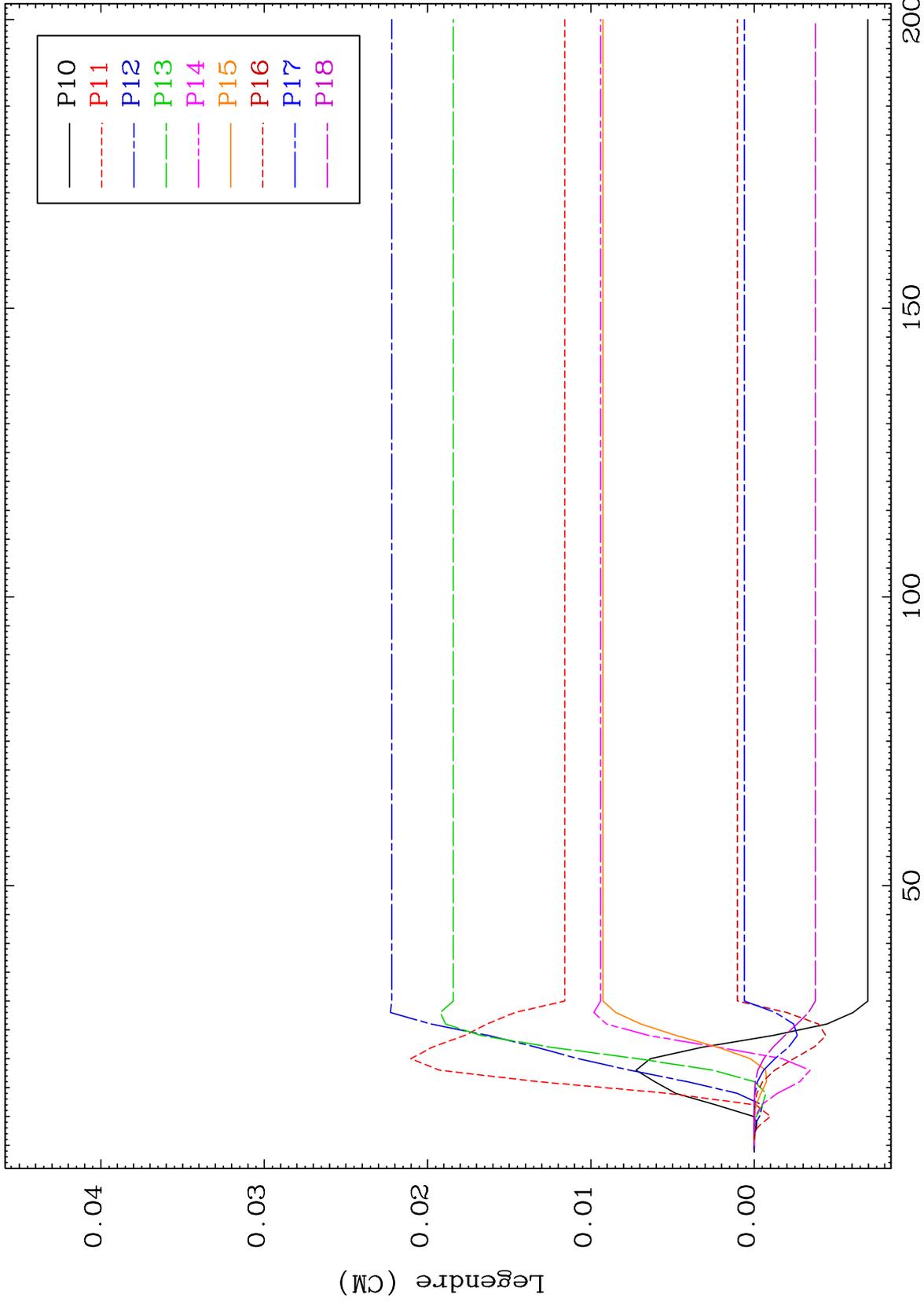




MAT 5461

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

54-Xe-136



103

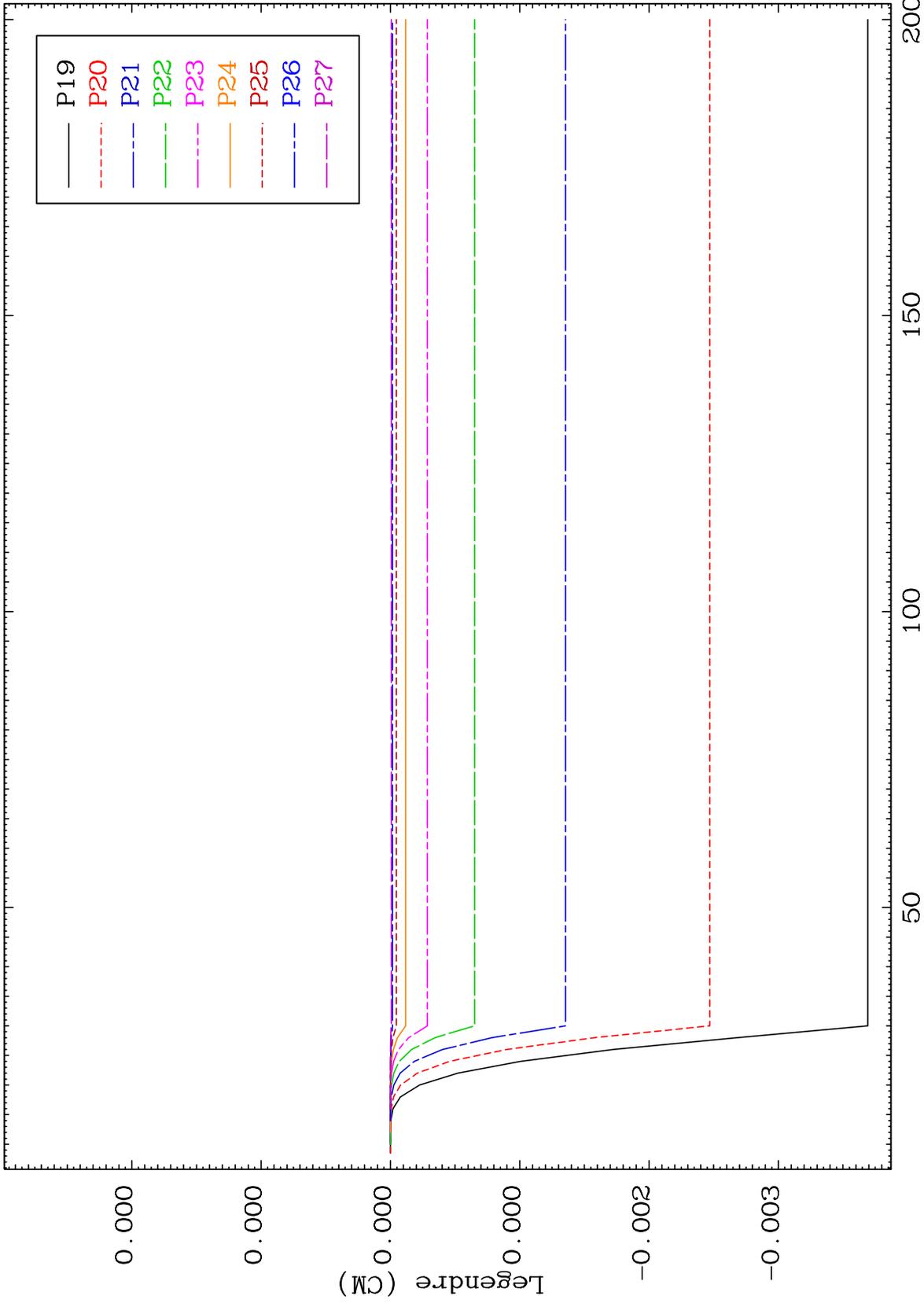
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

54-Xe-136



104

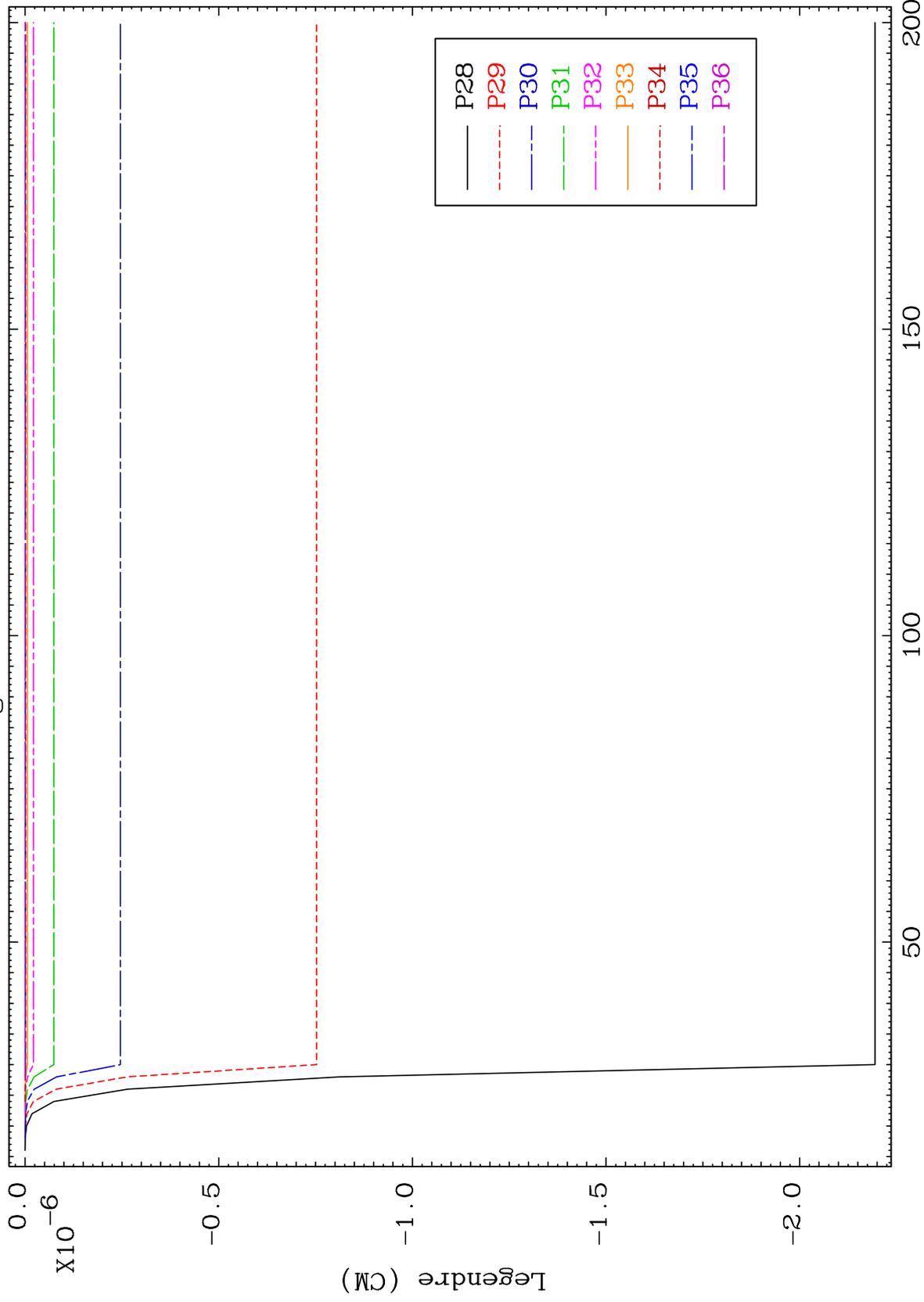
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

54-Xe-136



105

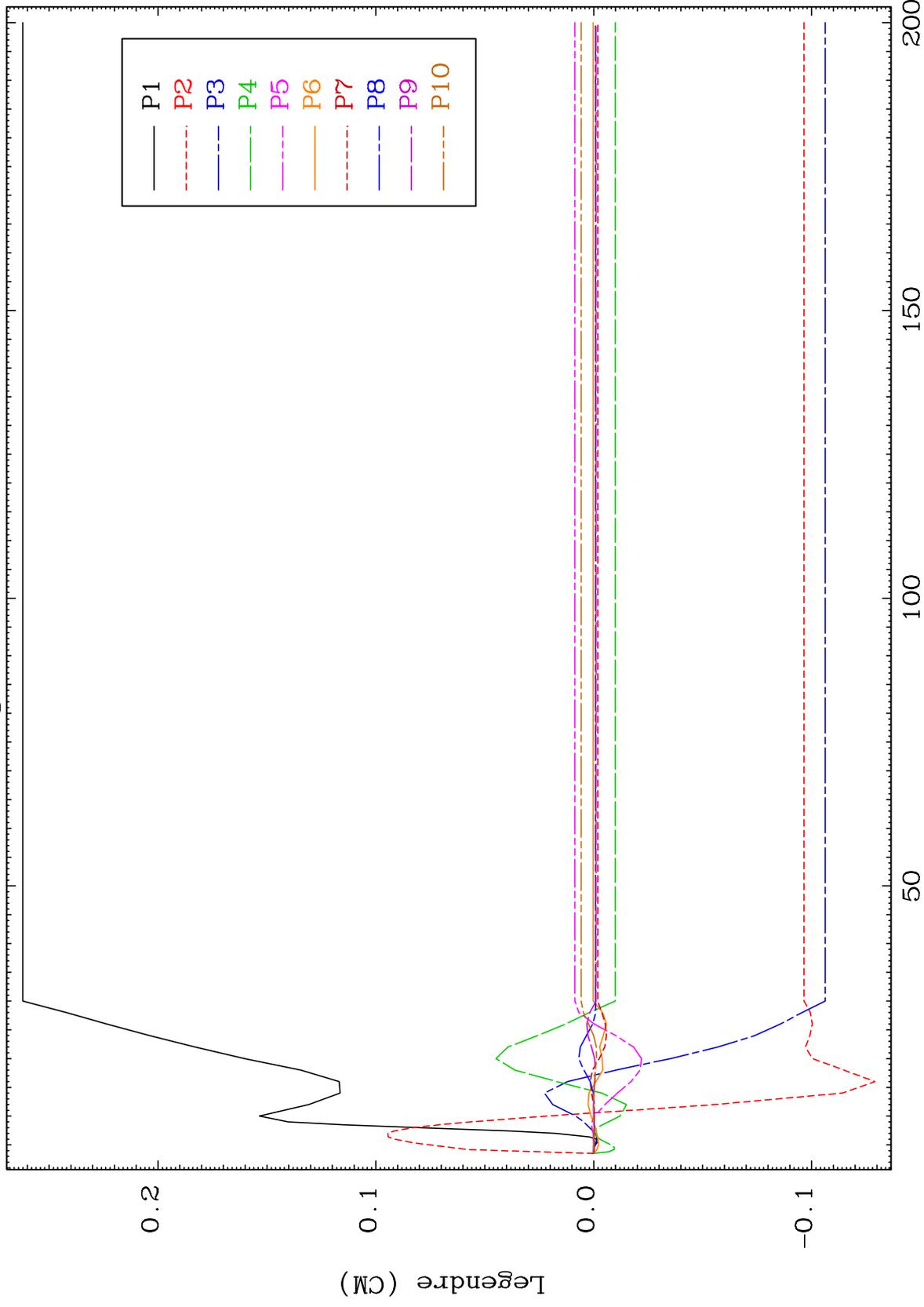
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

54-Xe-136



106

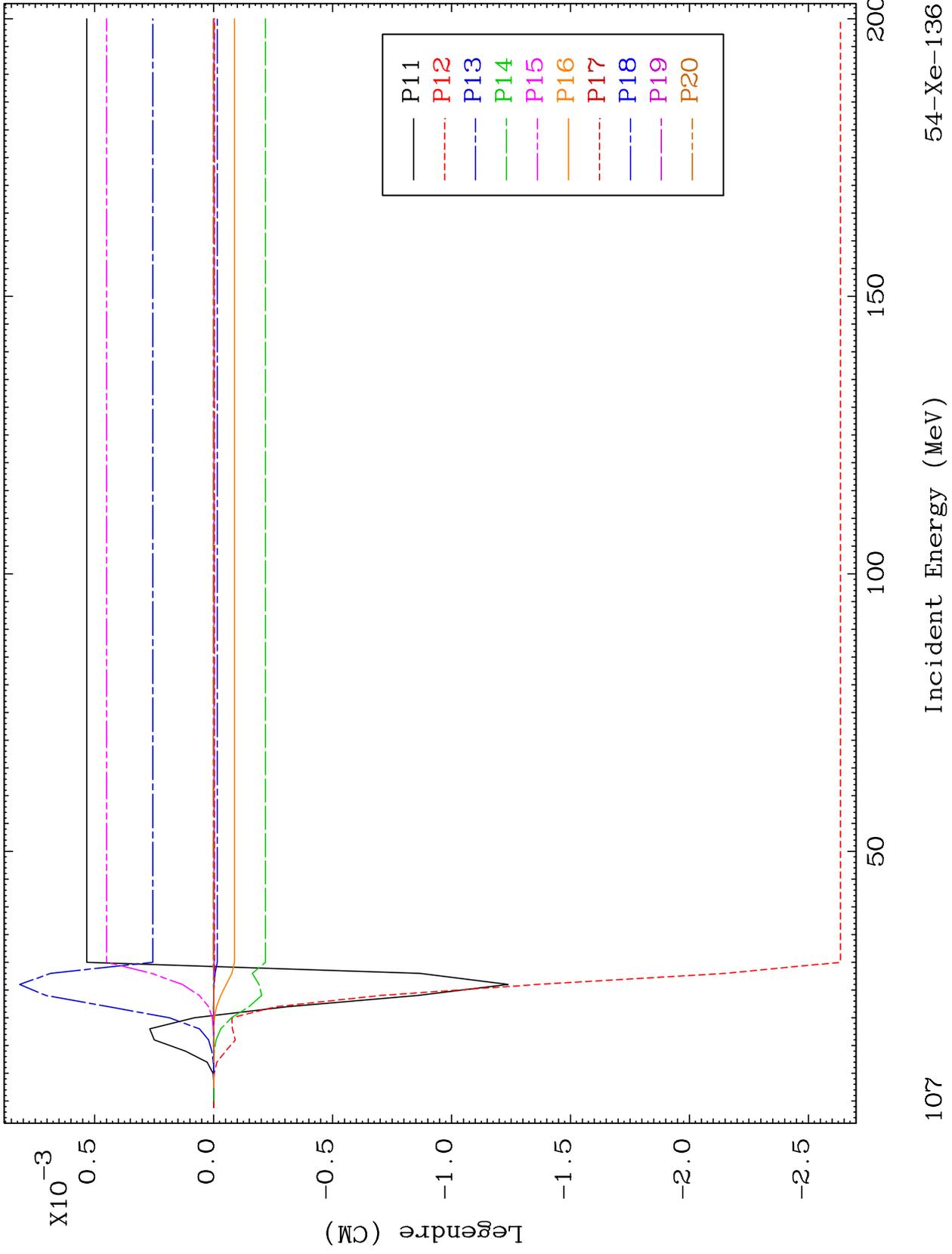
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

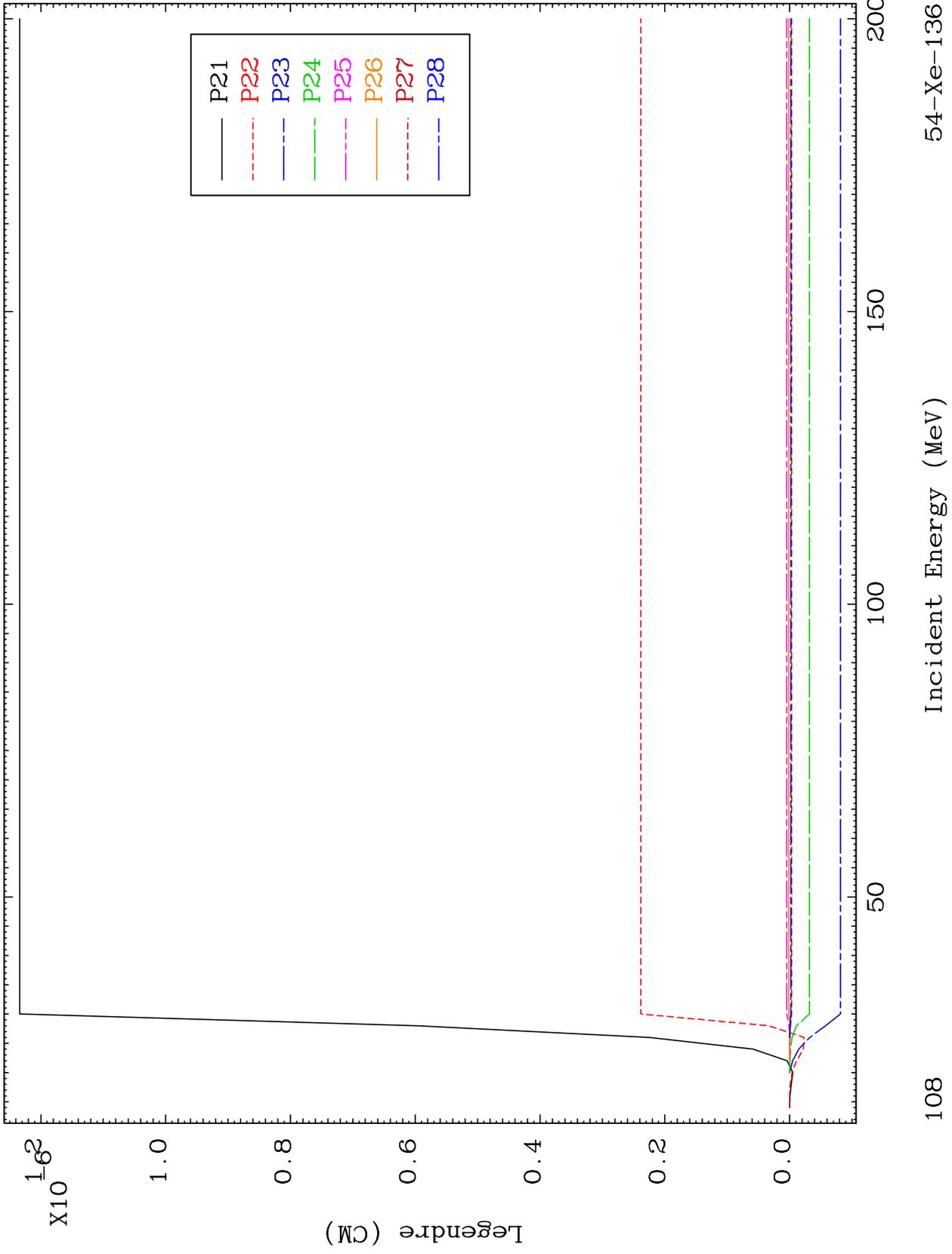
54-Xe-136



MAT 5461

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

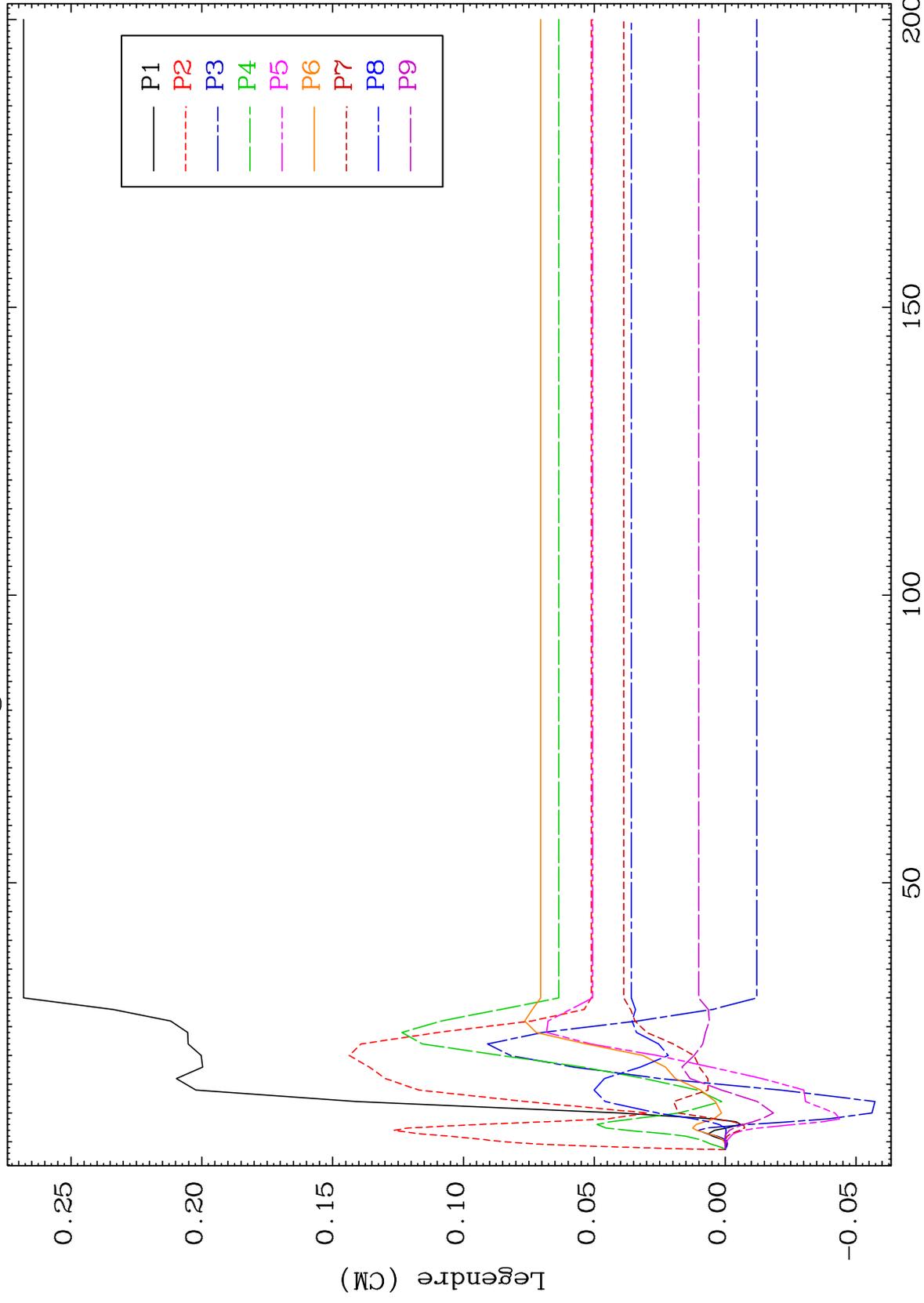
54-Xe-136



MAT 5461

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

54-Xe-136



109

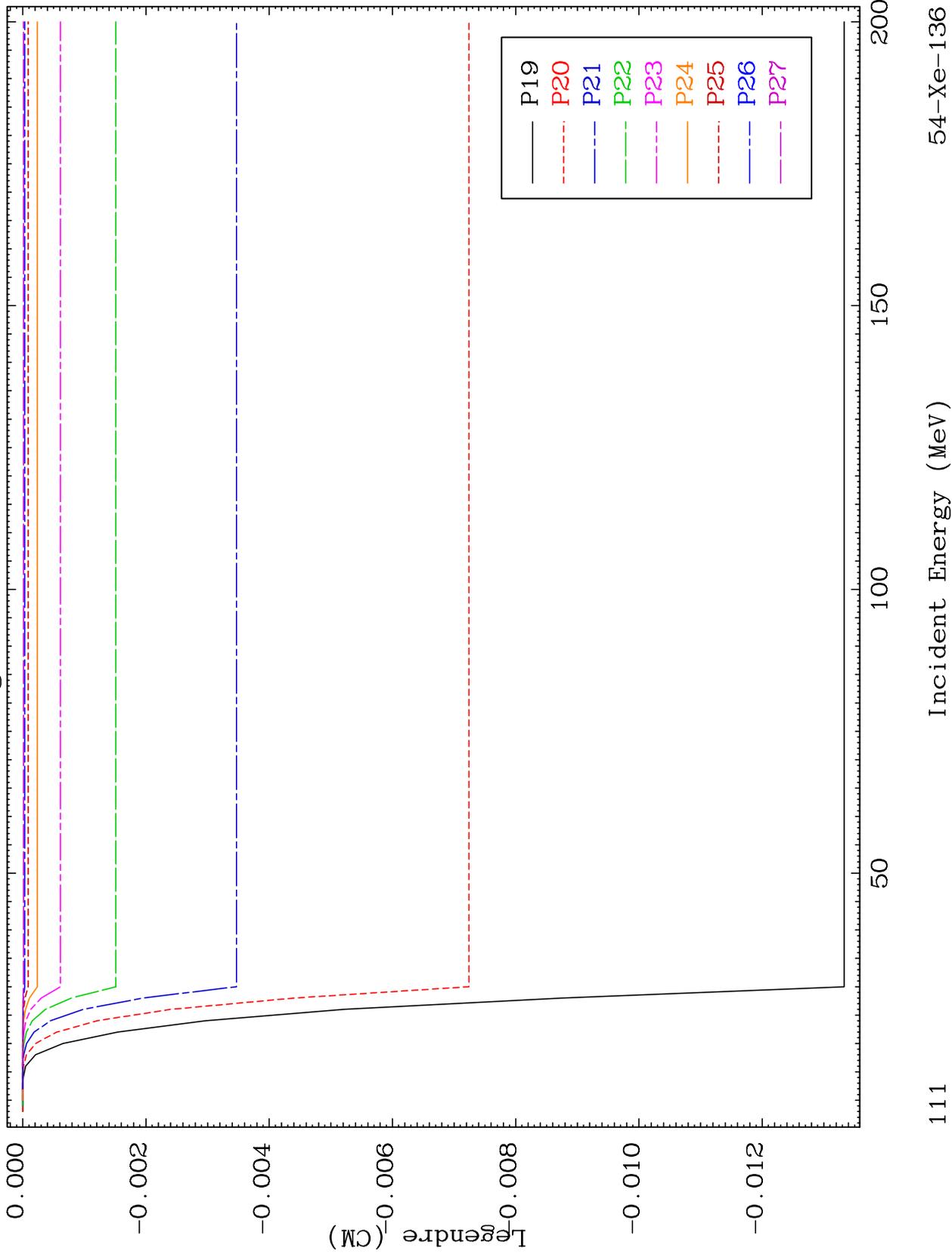
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

54-Xe-136



111

Incident Energy (MeV)

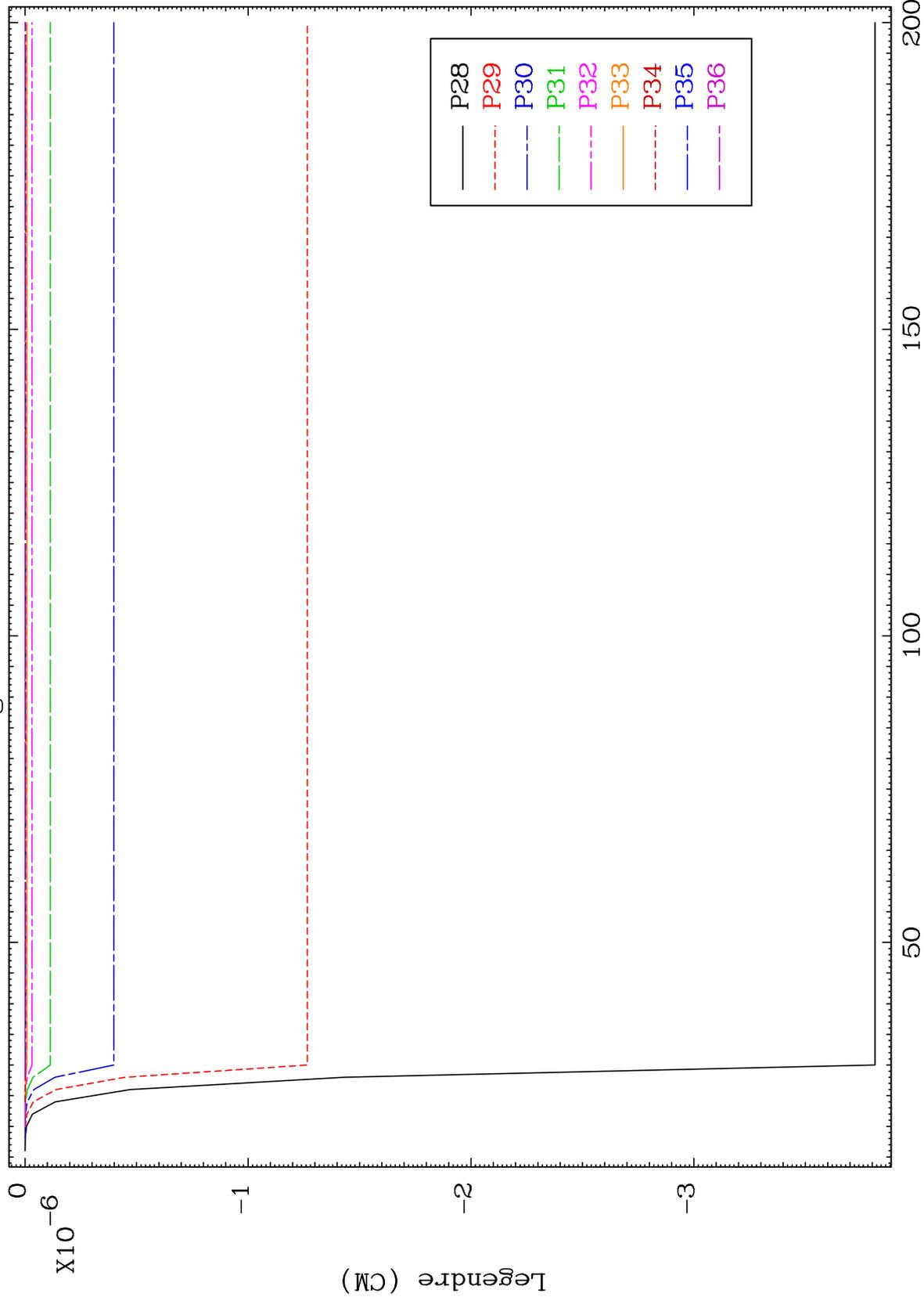
54-Xe-136

MAT 5461

MT= 74 (n,n') Level

54-Xe-136

Legendre Coefficients



54-Xe-136

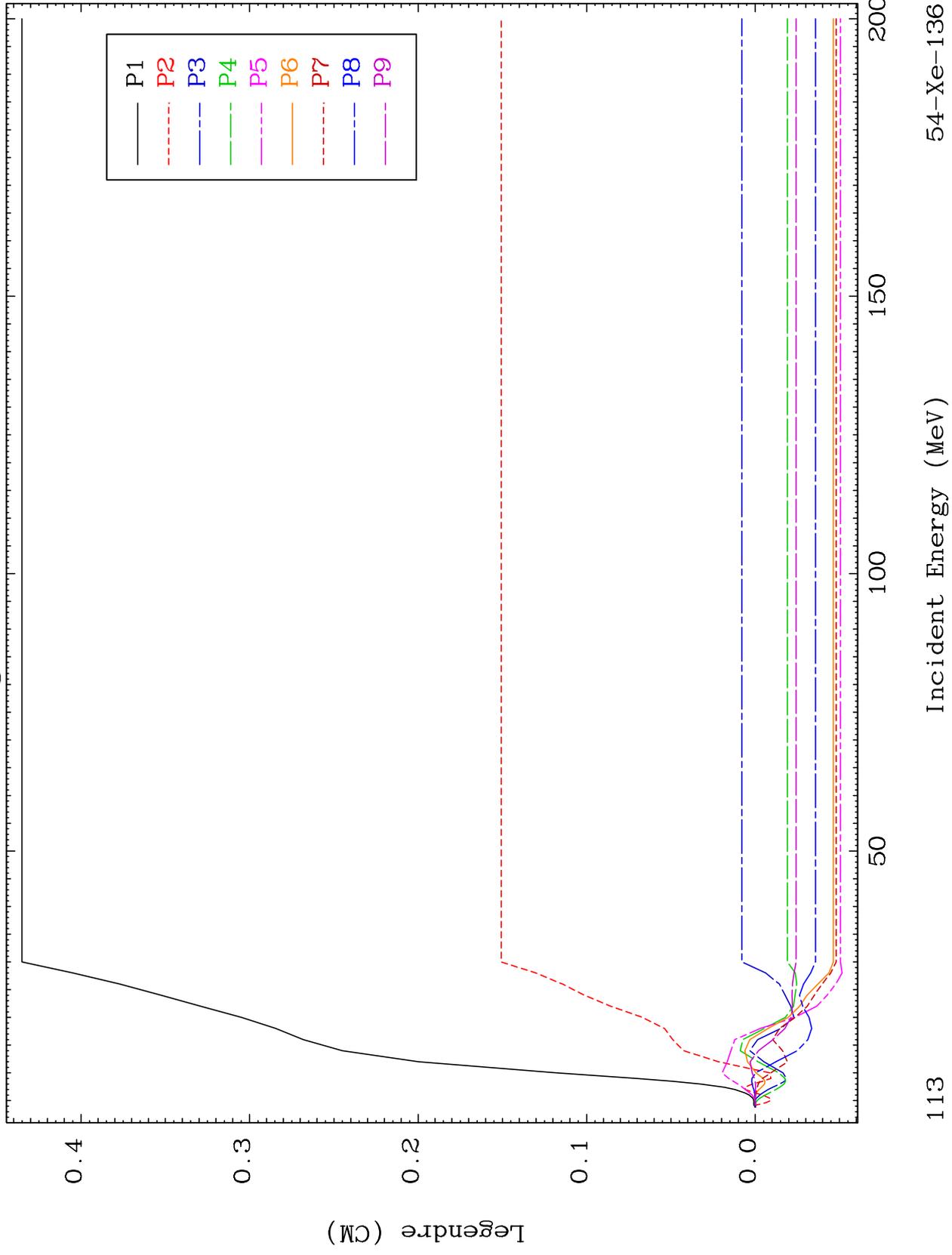
Incident Energy (MeV)

112

MAT 5461

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

54-Xe-136

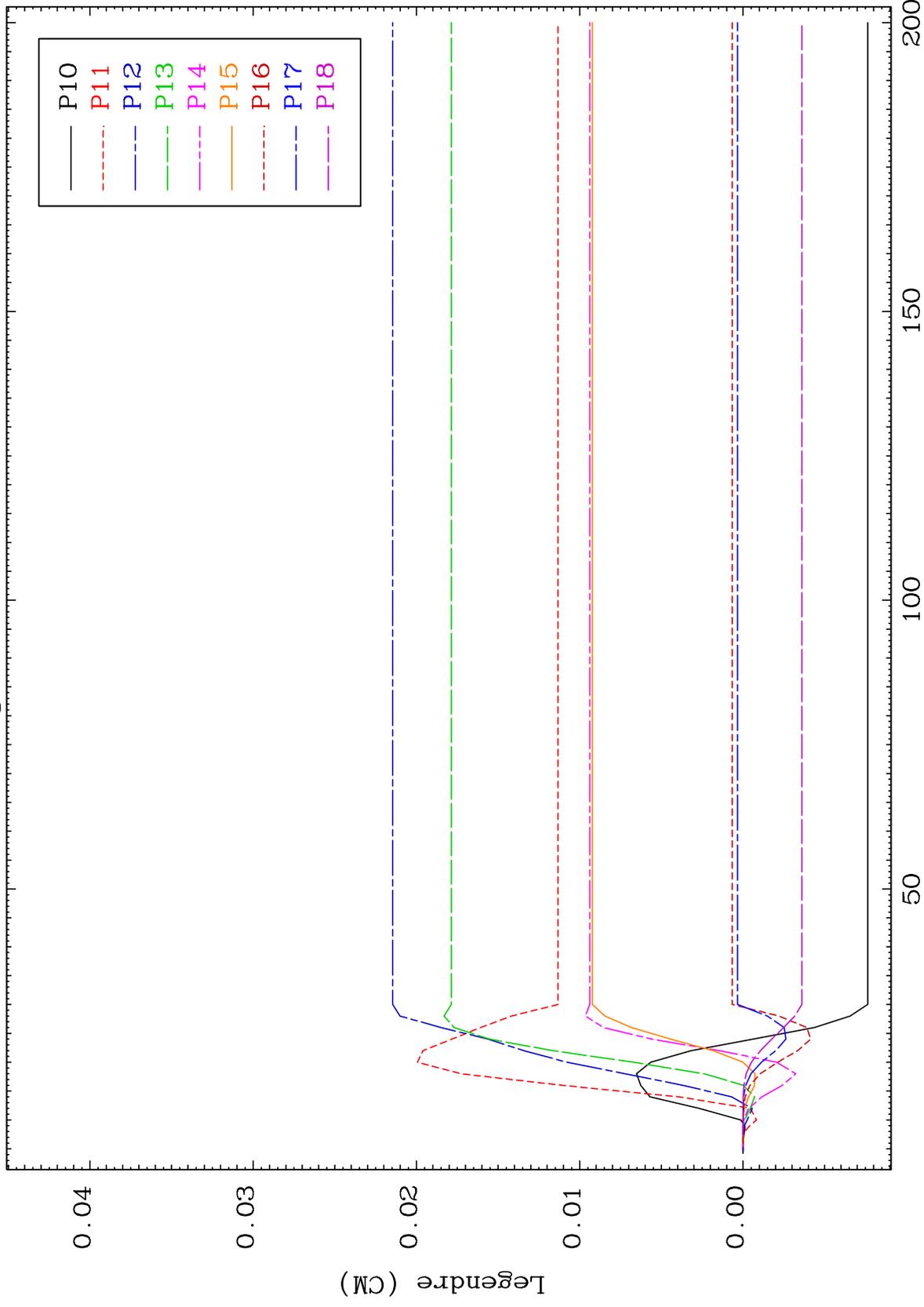


113

MAT 5461

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

54-Xe-136



114

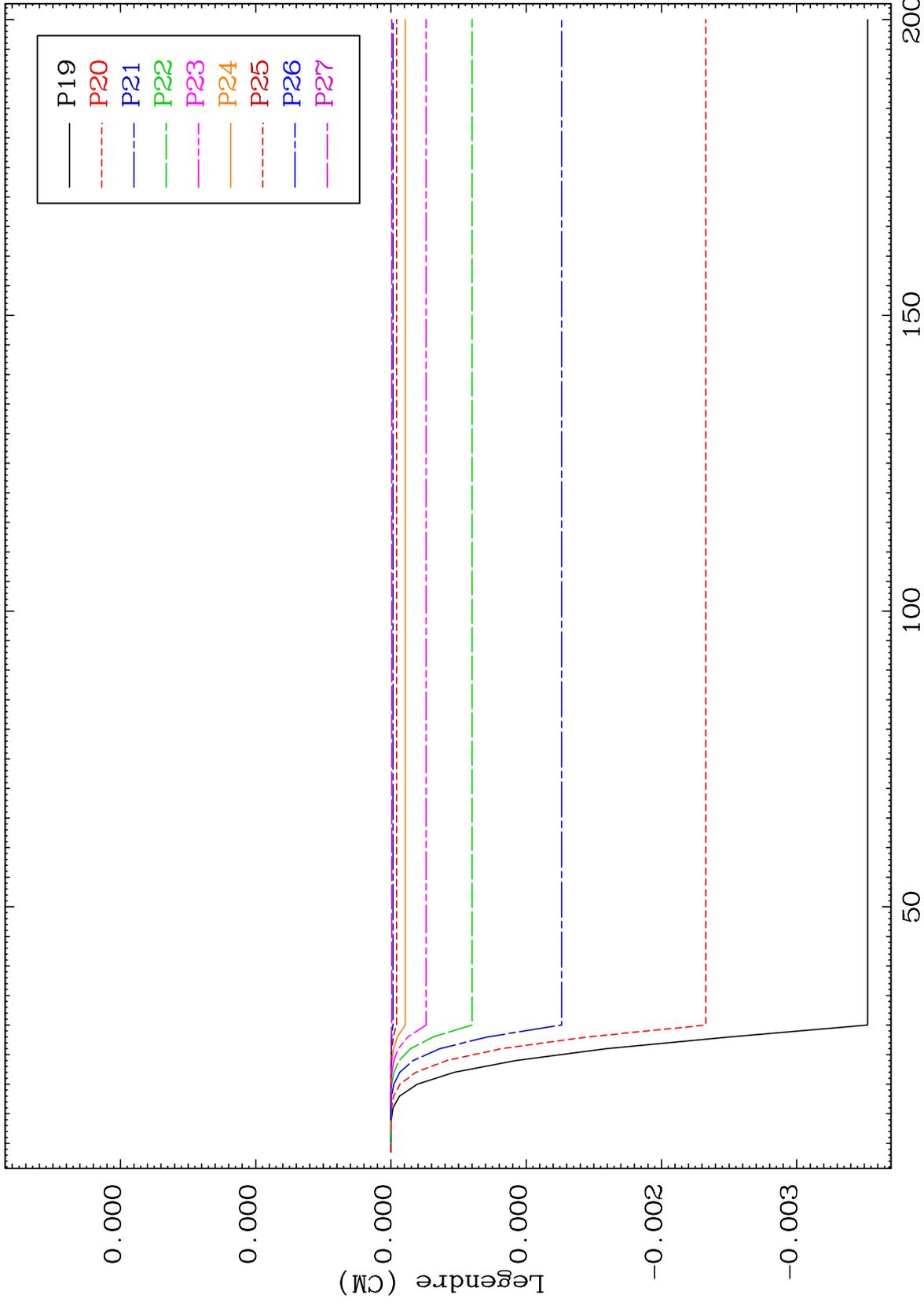
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

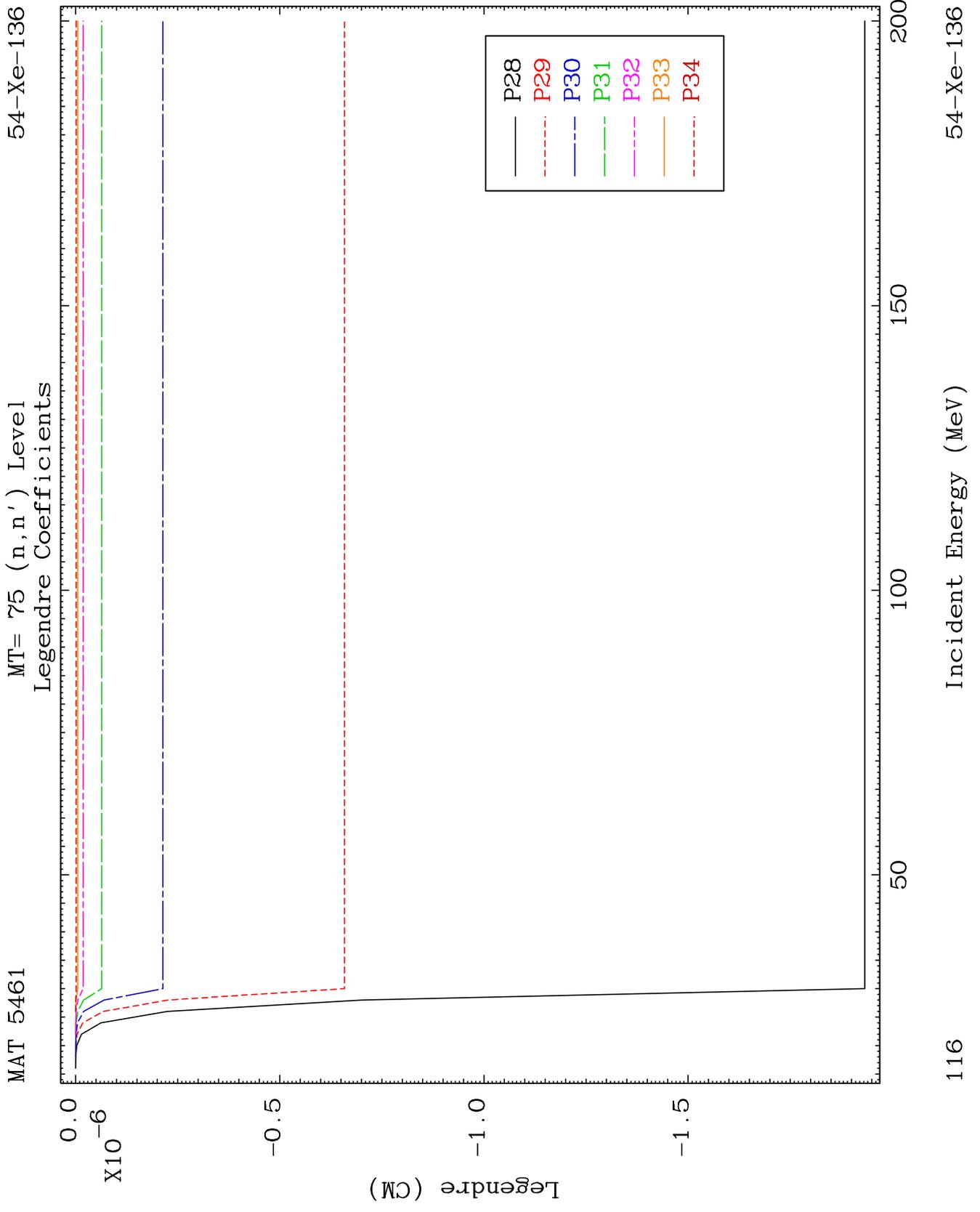
54-Xe-136



115

Incident Energy (MeV)

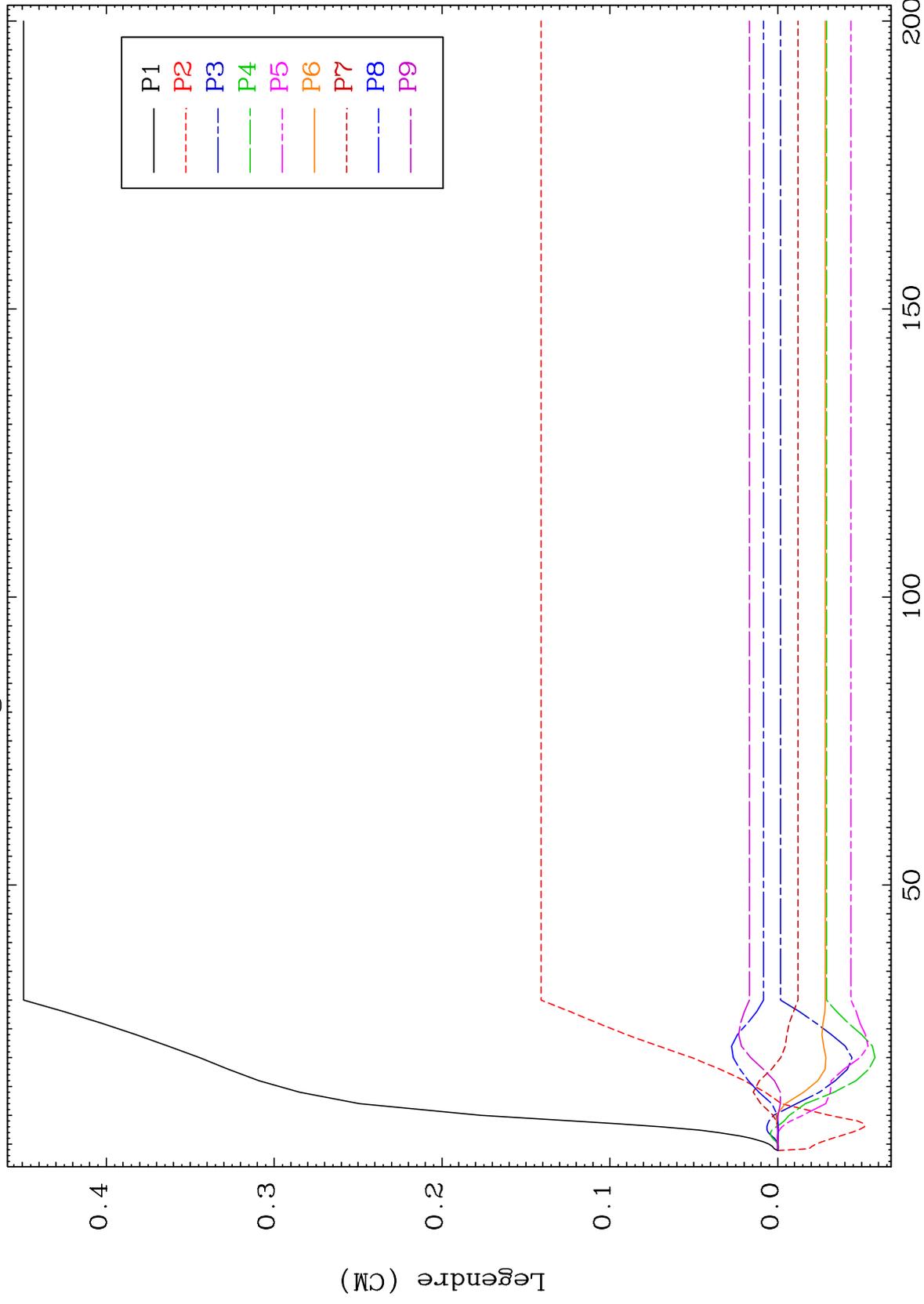
54-Xe-136



MAT 5461

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

54-Xe-136



117

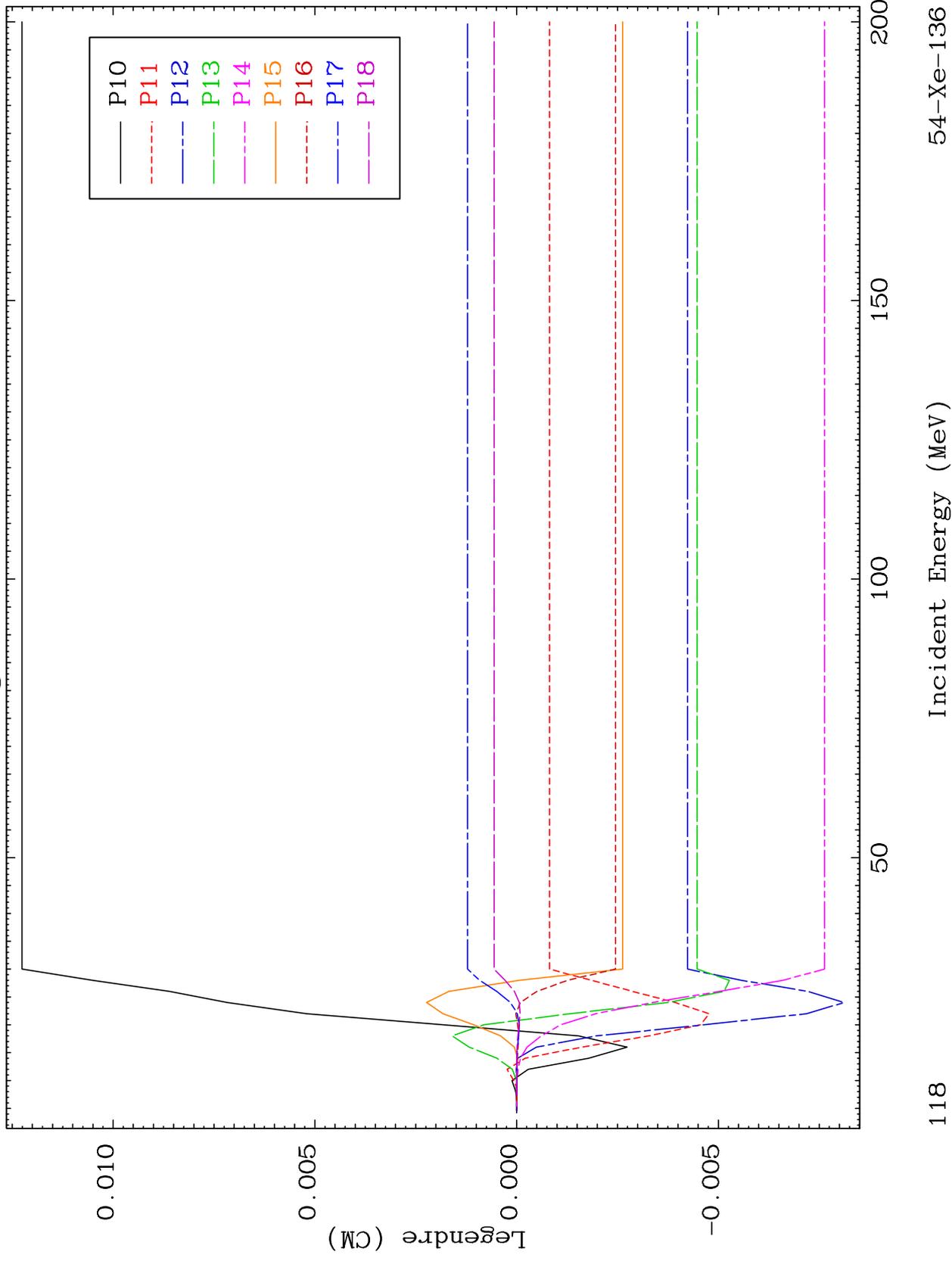
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

54-Xe-136

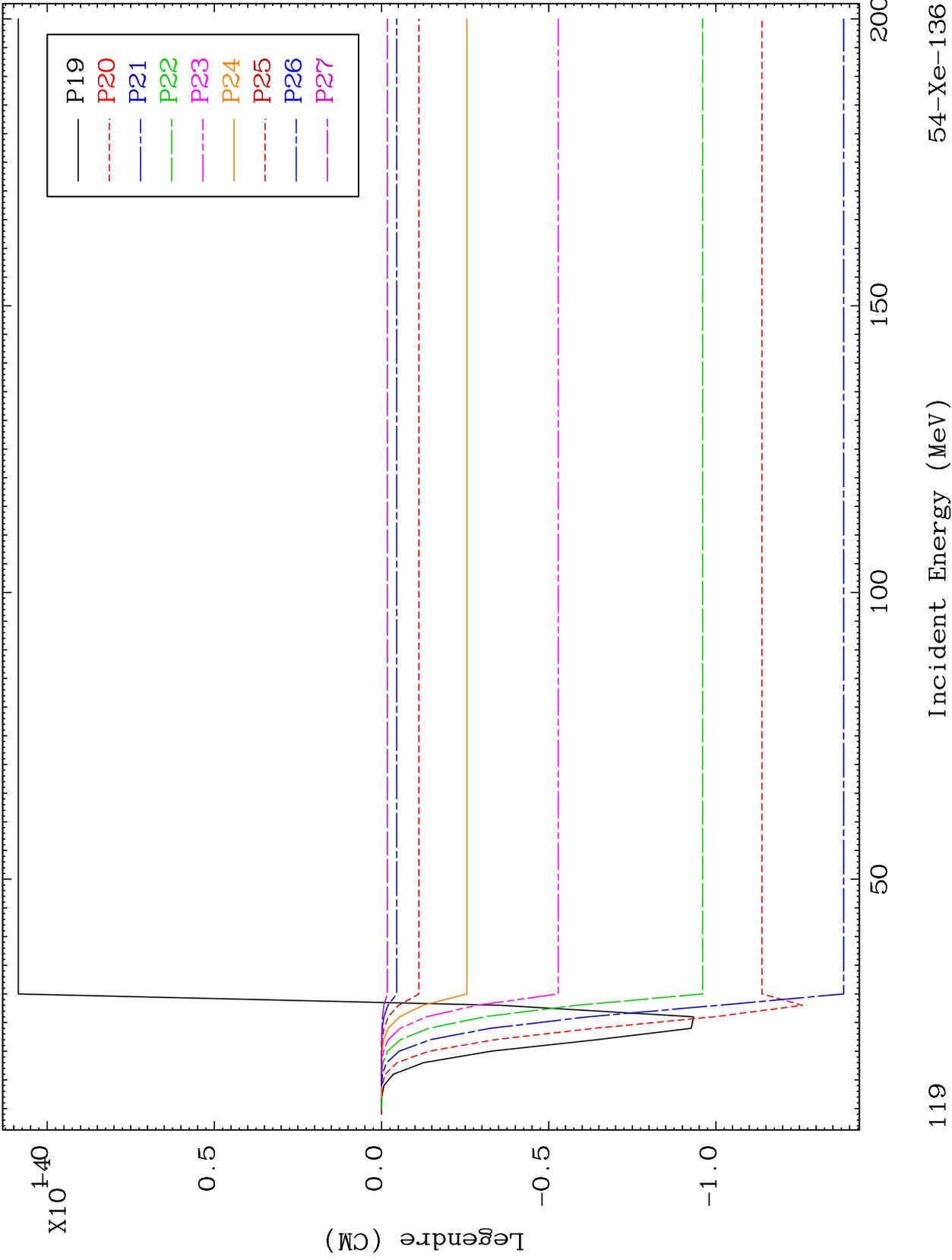


118

MAT 5461

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

54-Xe-136



119

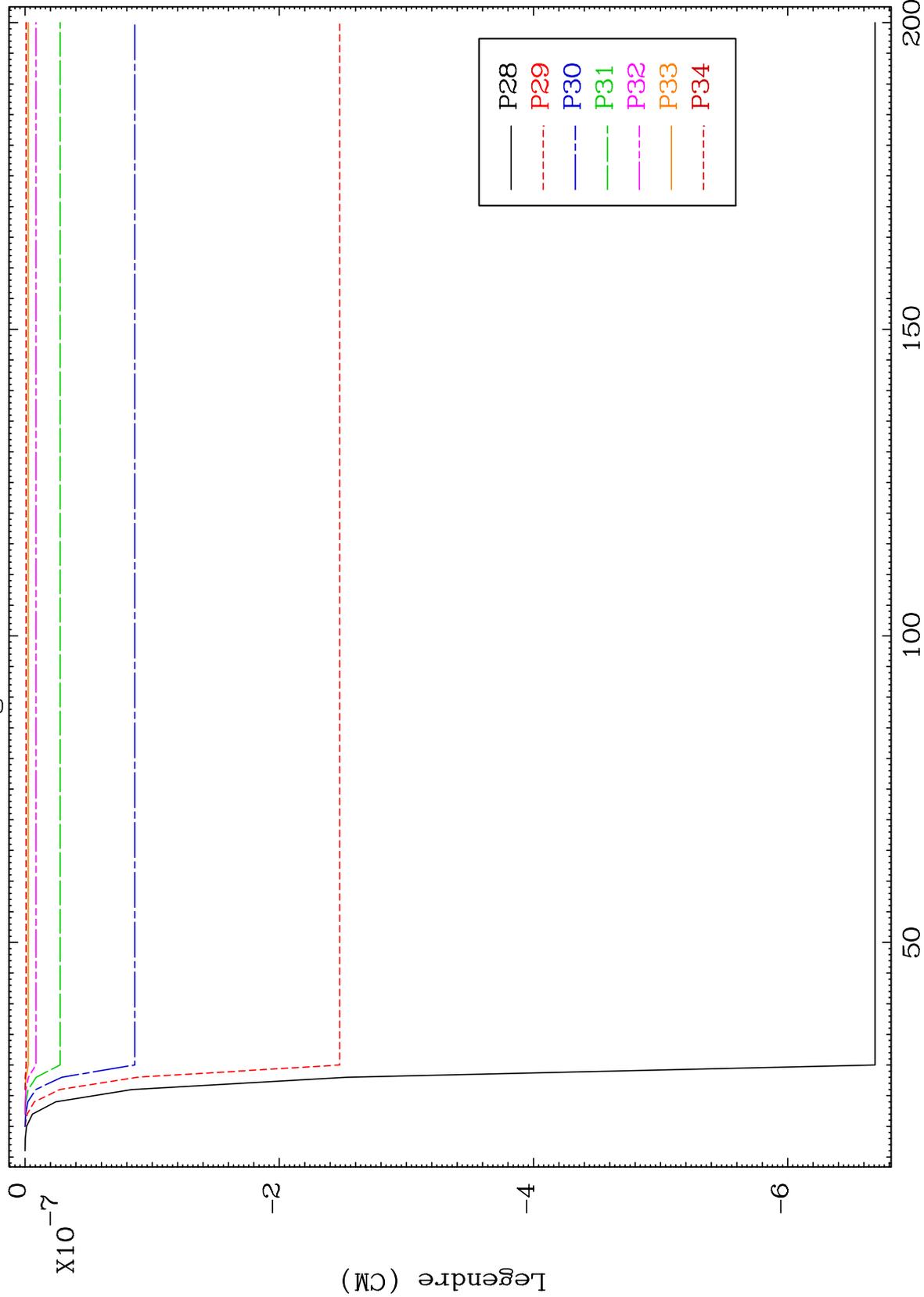
54-Xe-136

MAT 5461

MT= 76 (n,n') Level

54-Xe-136

Legendre Coefficients



54-Xe-136

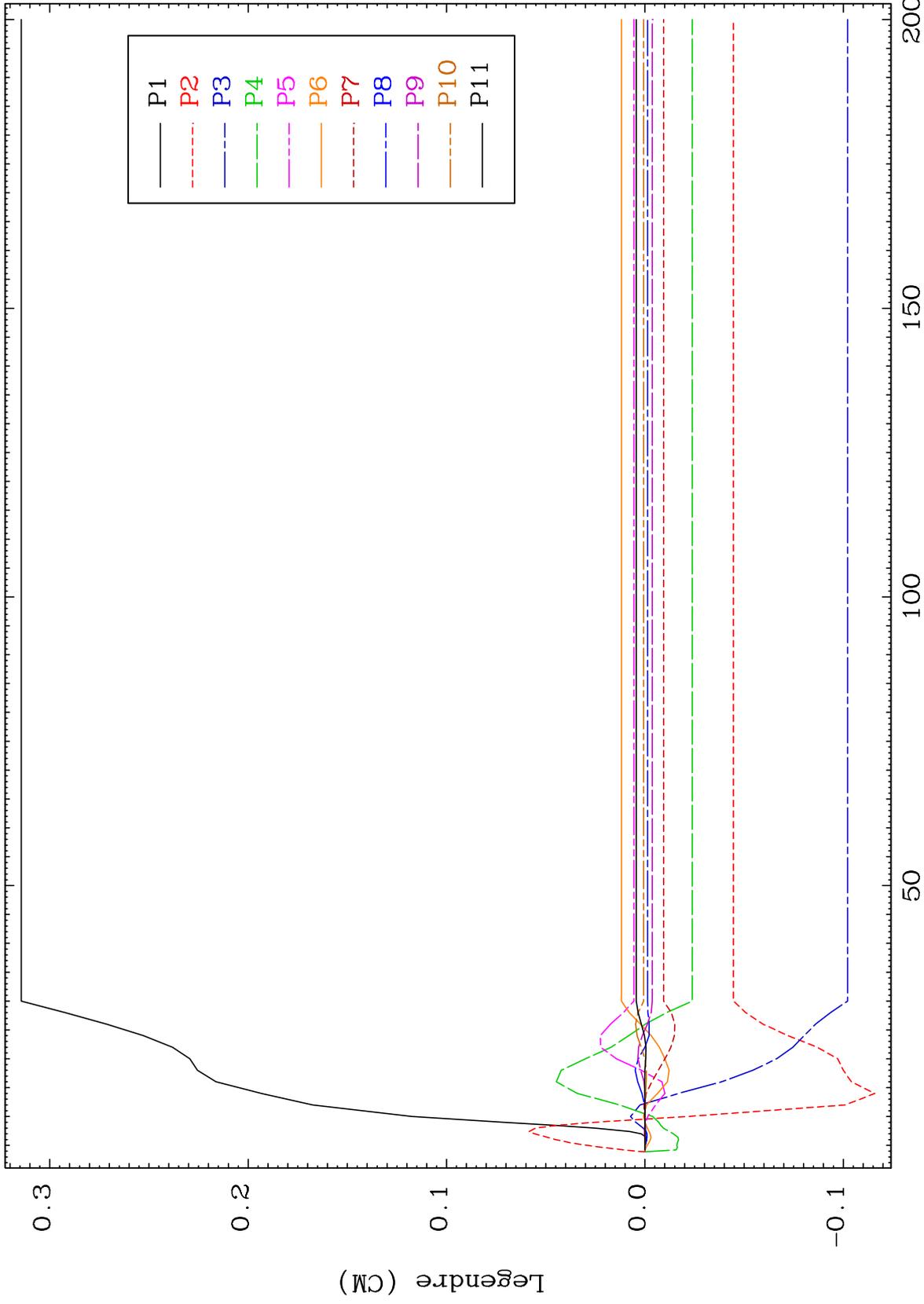
Incident Energy (MeV)

120

MAT 5461

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

54-Xe-136



121

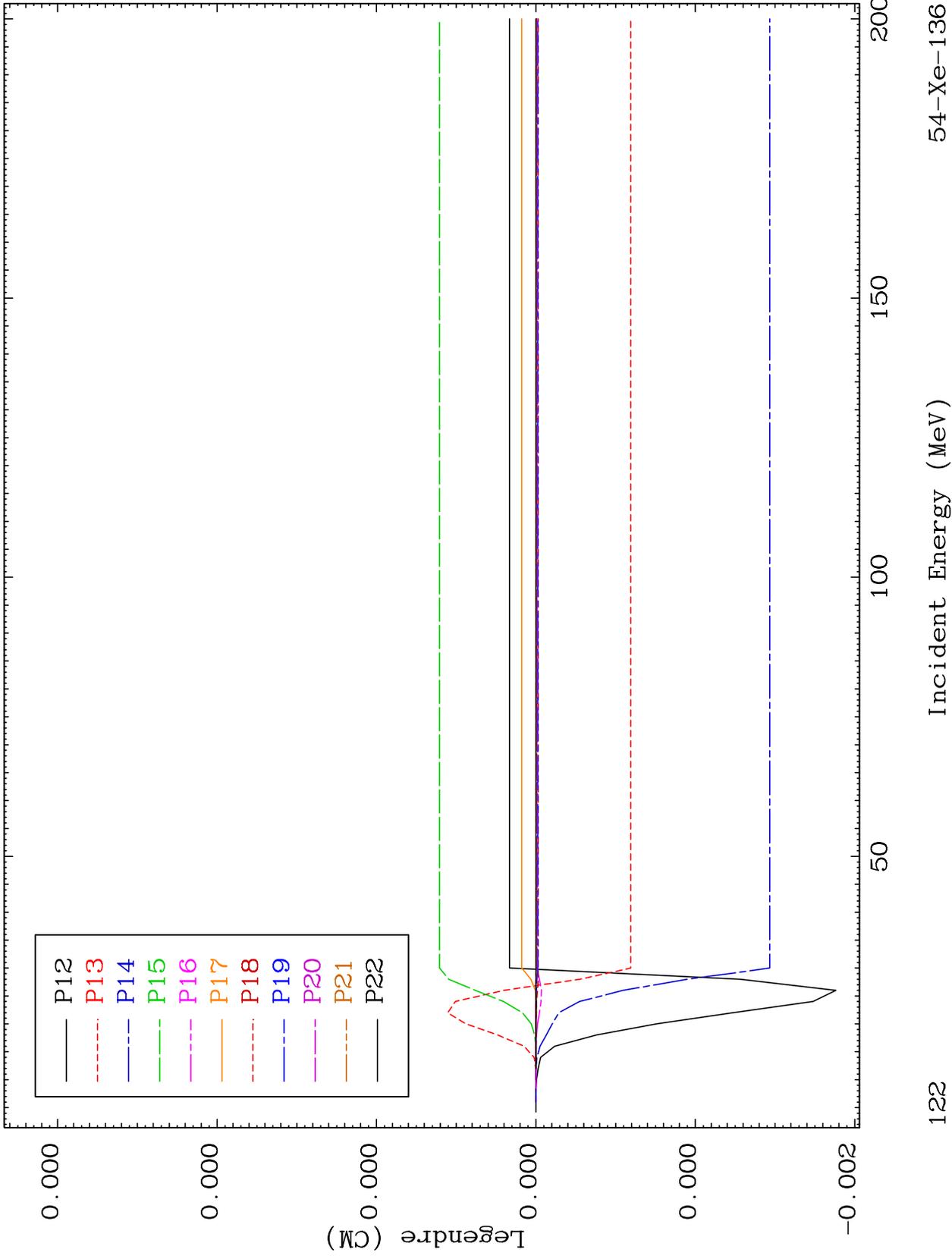
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

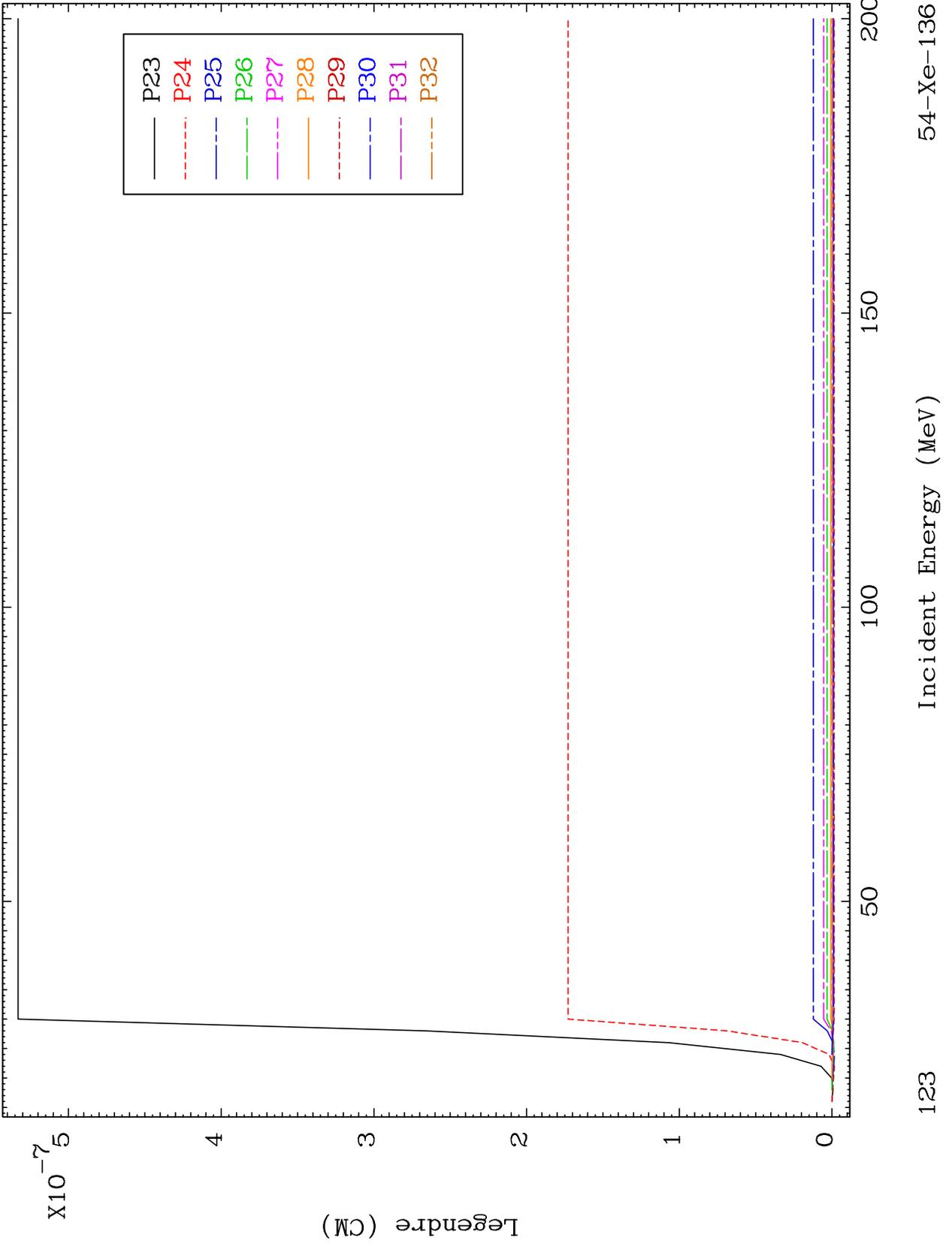
54-Xe-136



MAT 5461

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

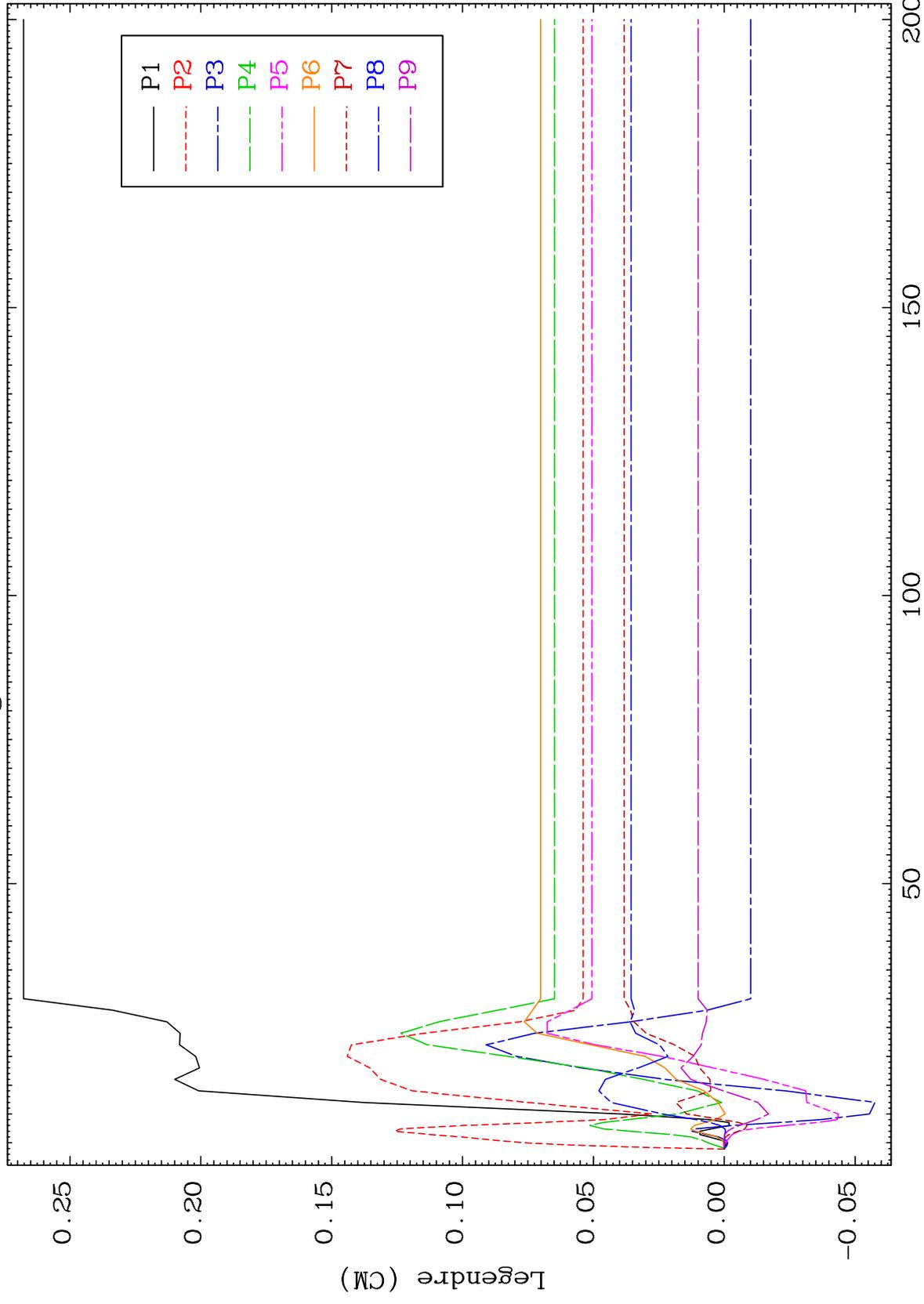
54-Xe-136



MAT 5461

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

54-Xe-136



124

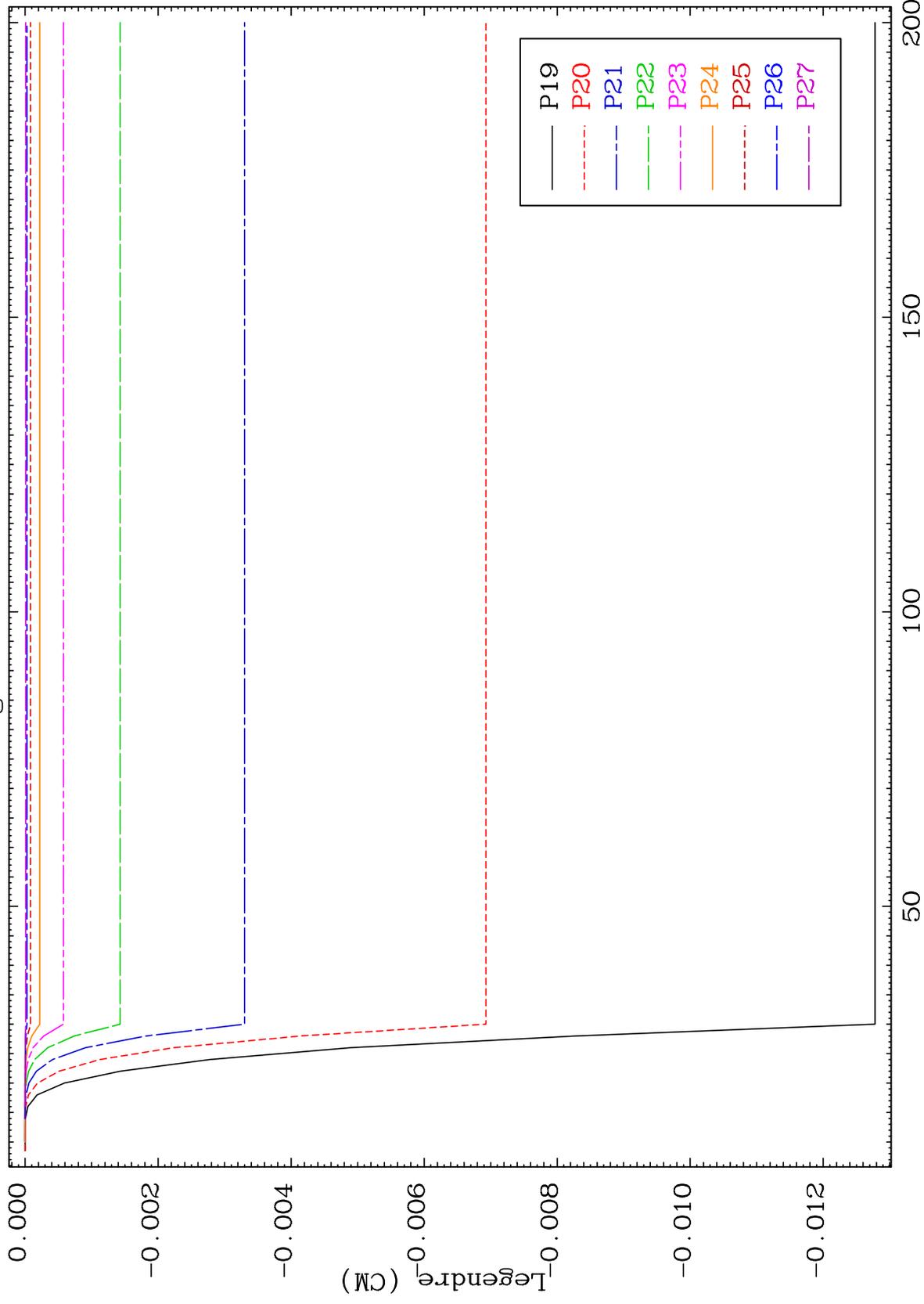
Incident Energy (MeV)

54-Xe-136

MAT 5461

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

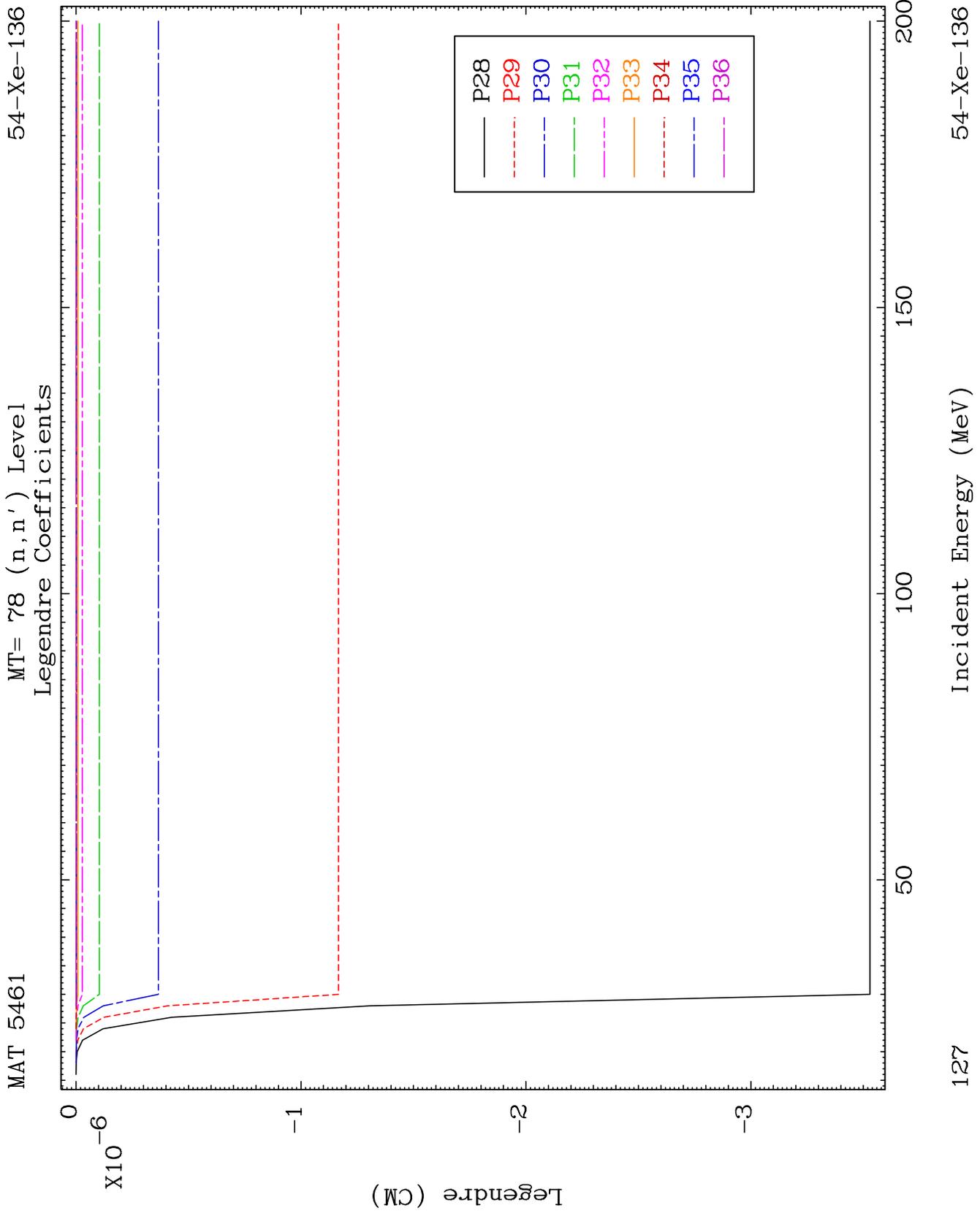
54-Xe-136

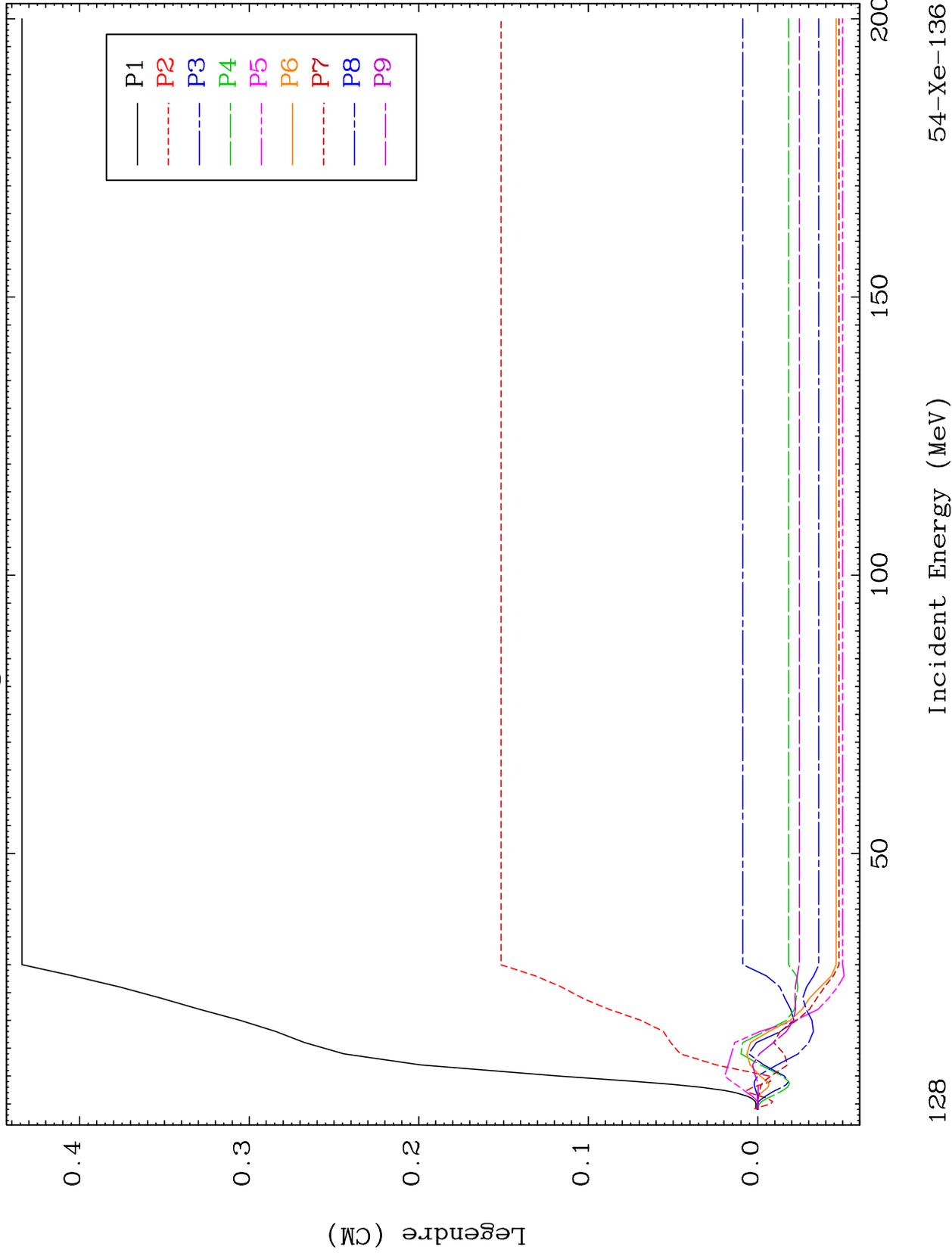


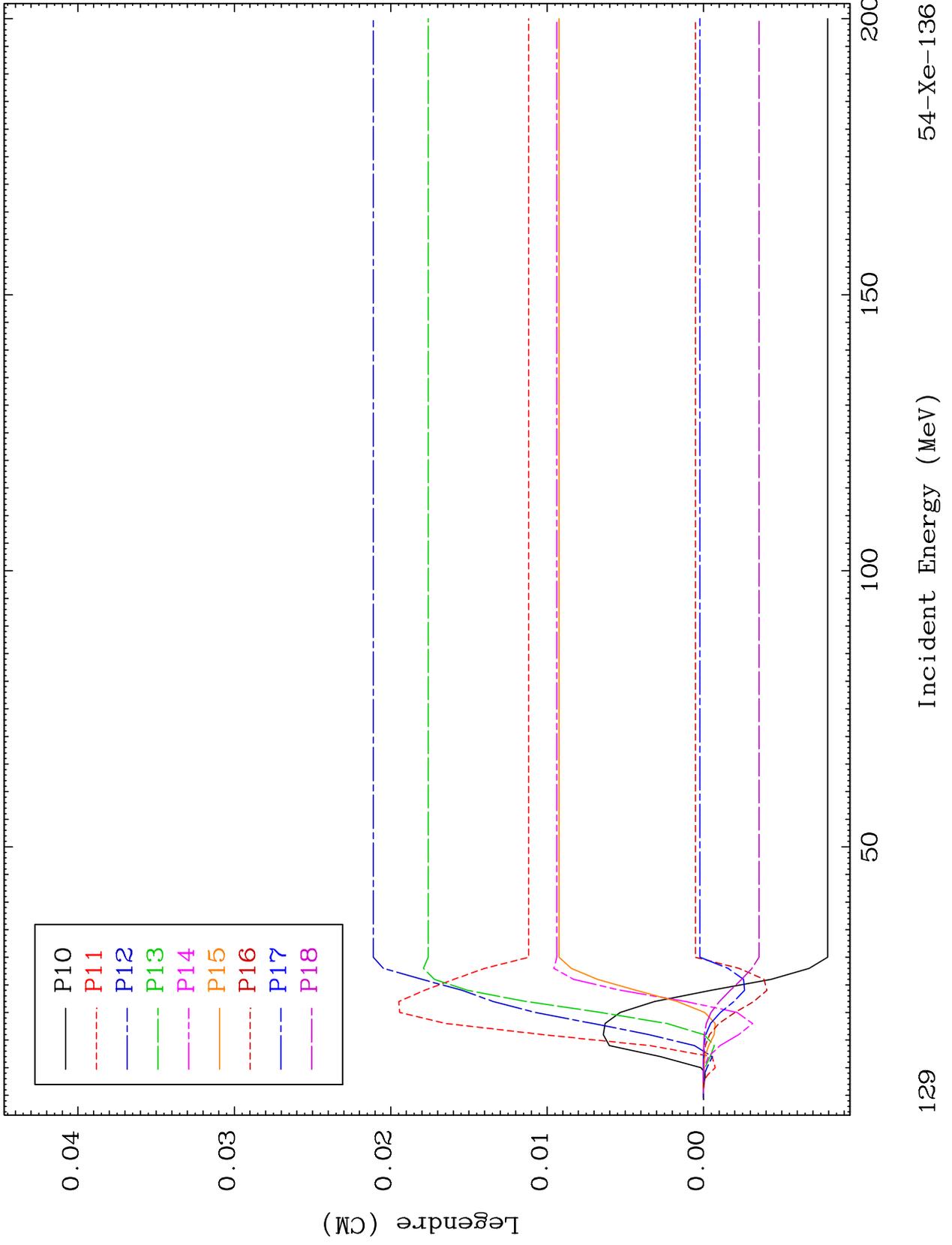
126

Incident Energy (MeV)

54-Xe-136



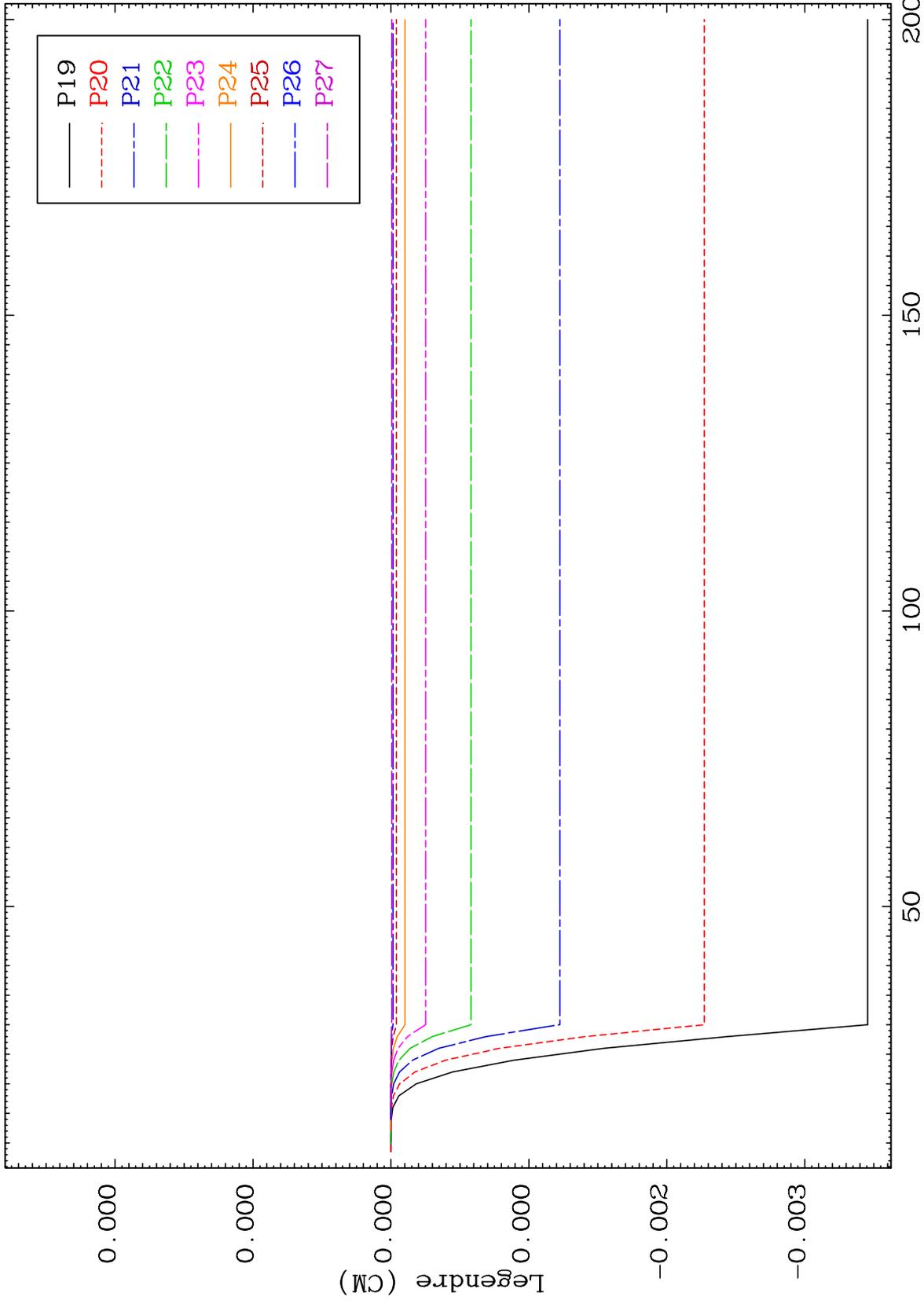




MAT 5461

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

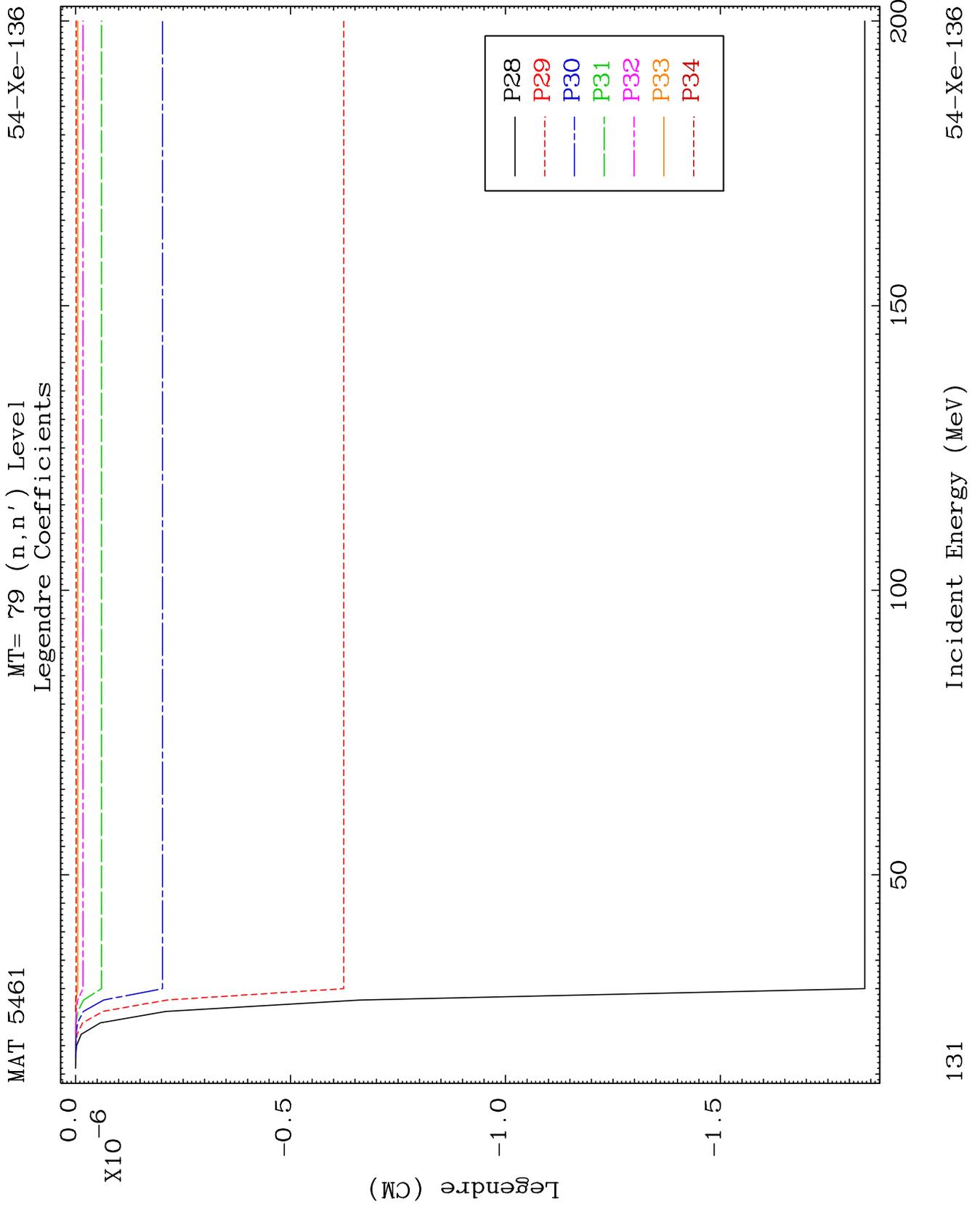
54-Xe-136



130

Incident Energy (MeV)

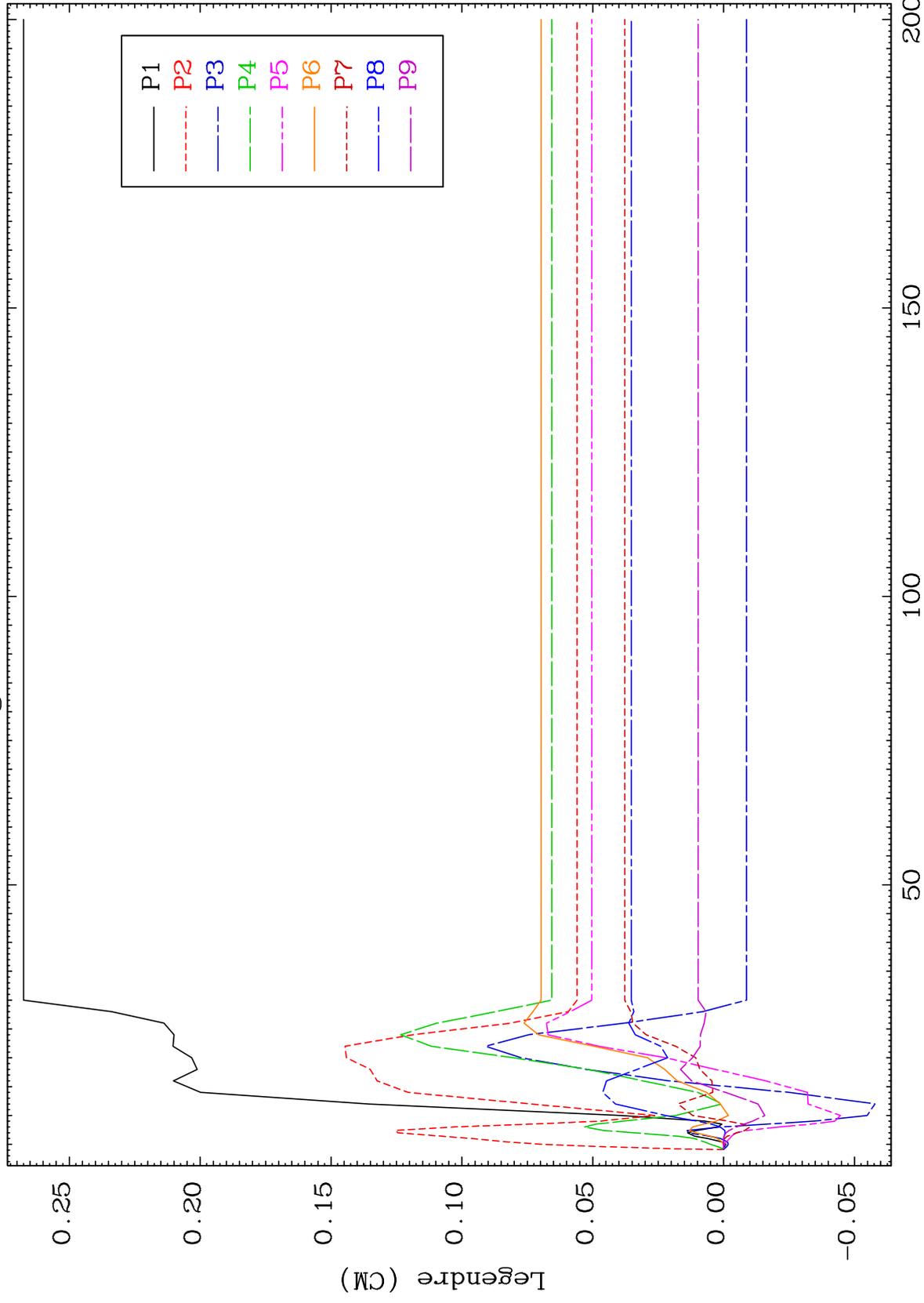
54-Xe-136



MAT 5461

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

54-Xe-136



132

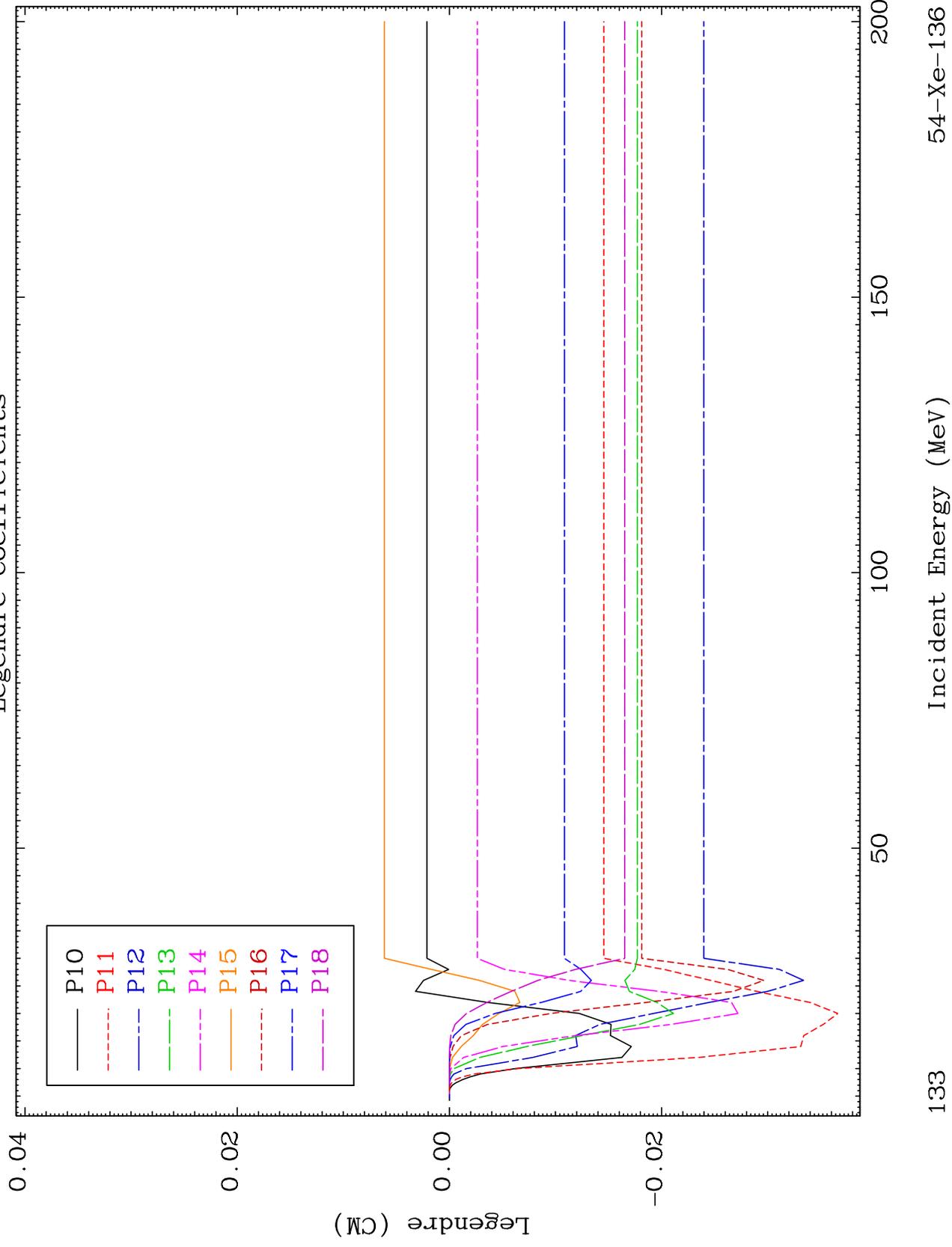
Incident Energy (MeV)

54-Xe-136

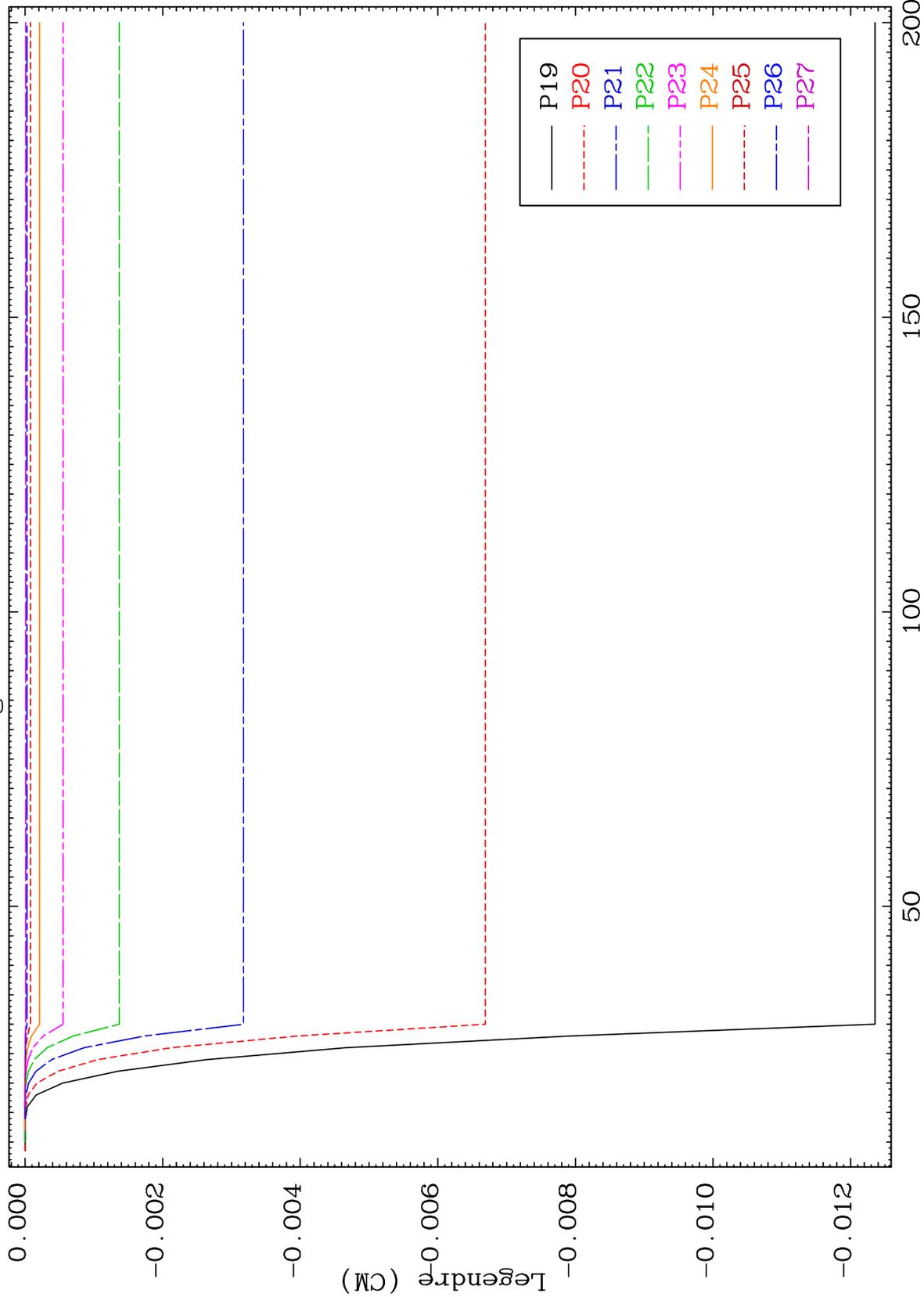
MAT 5461

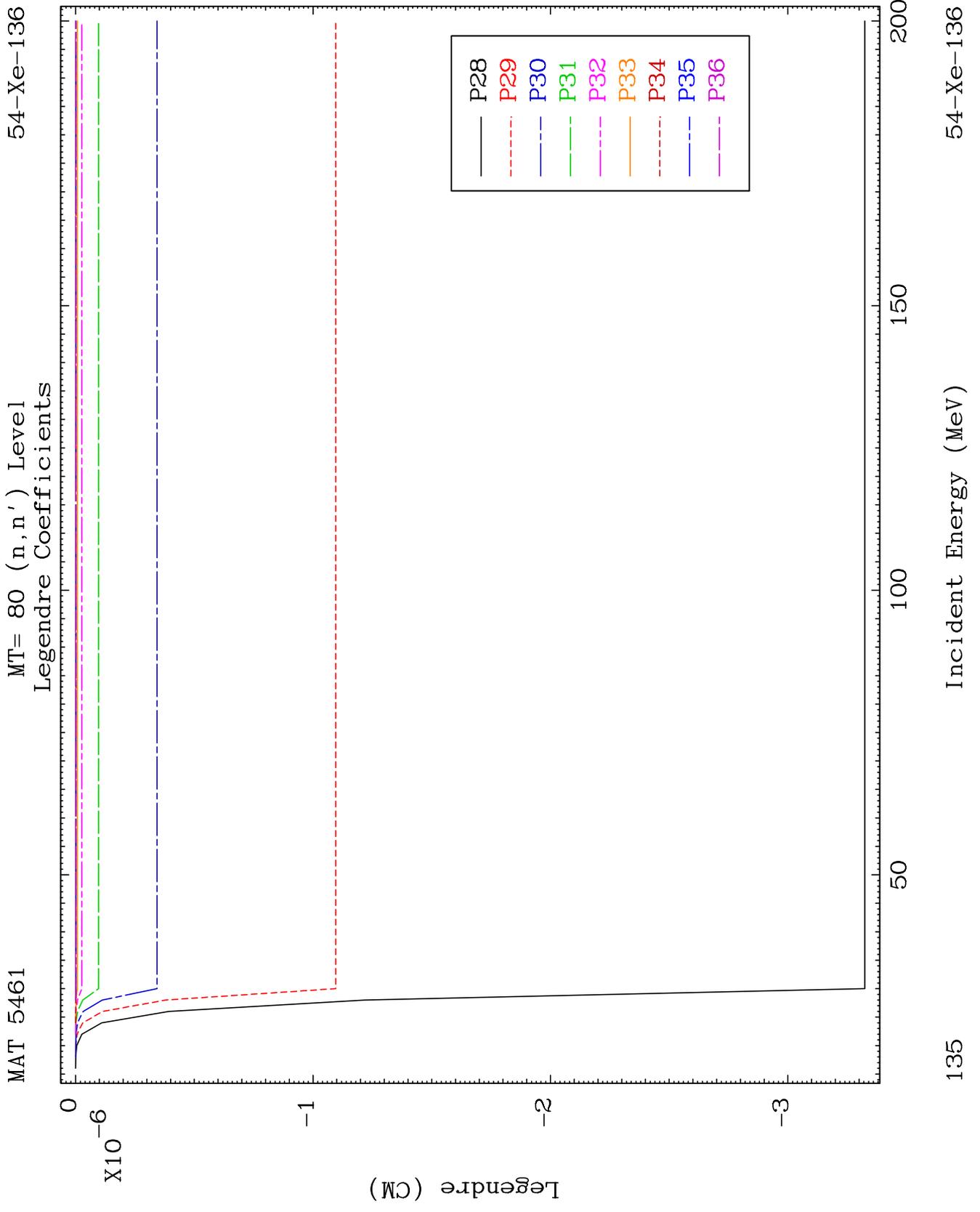
MT= 80 (n,n') Level
Legendre Coefficients

54-Xe-136



133



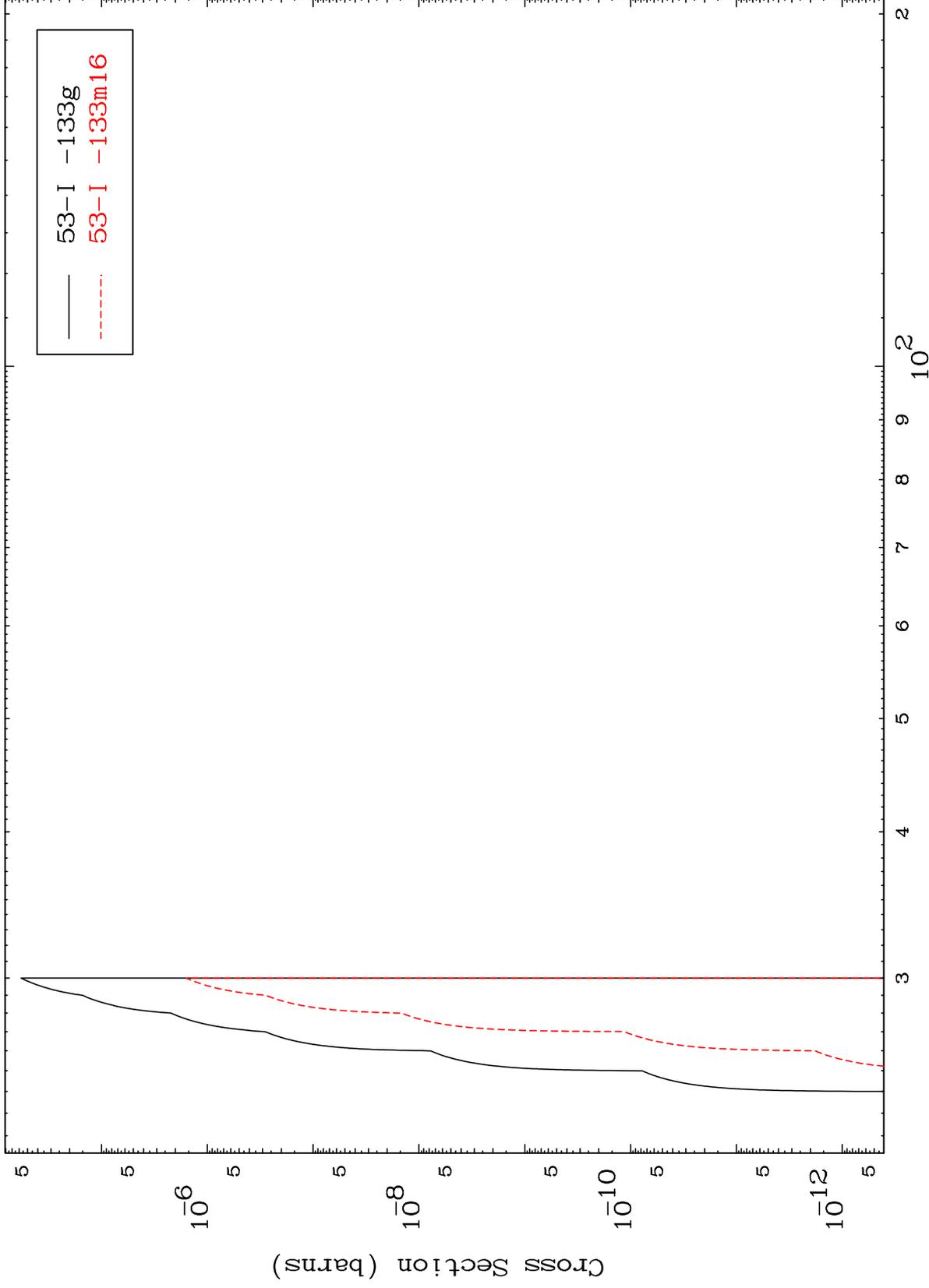


MAT 5461

(n,2n) d

54-Xe-136

Radionuclide Production Cross Section



136

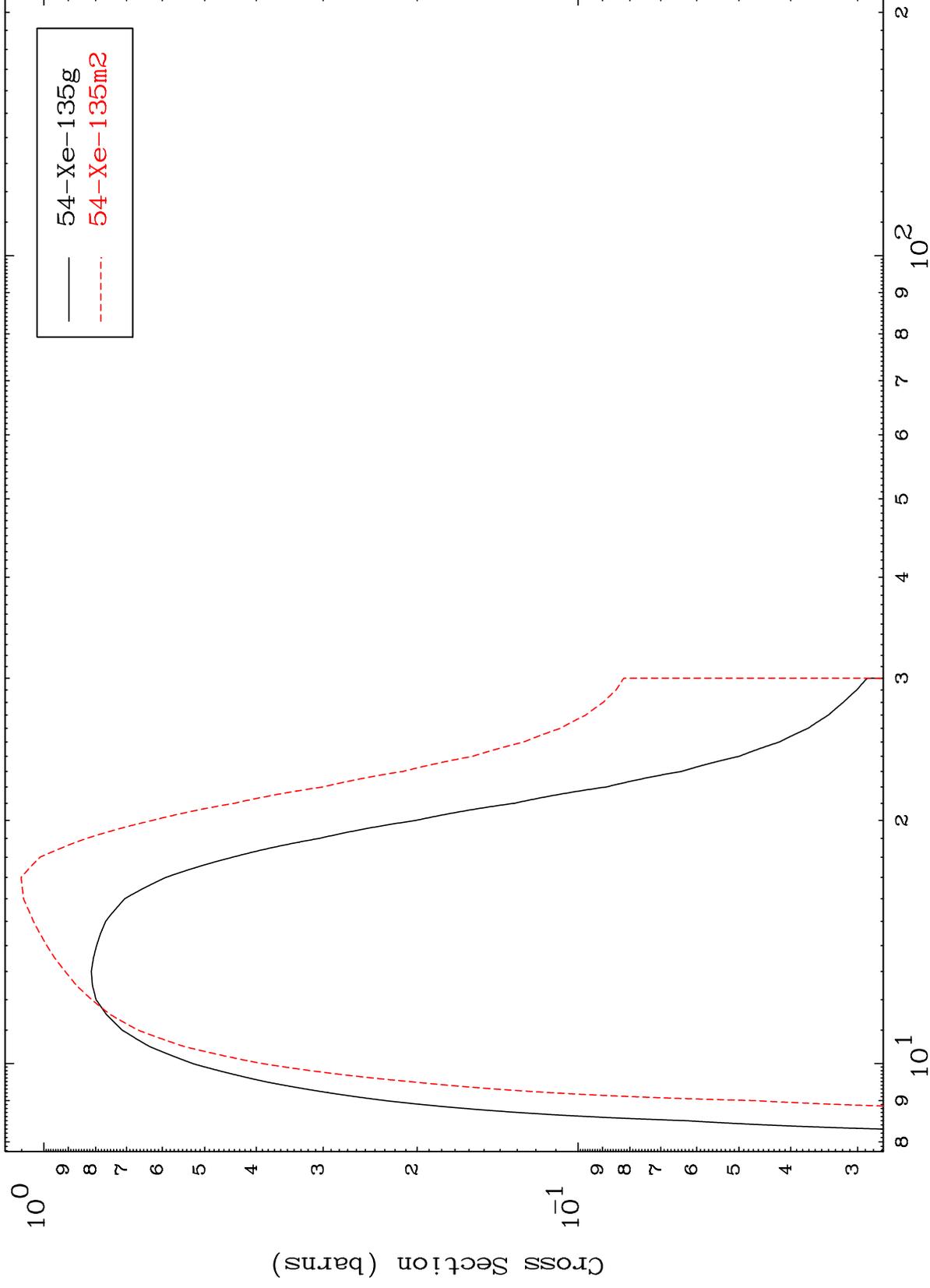
Incident Energy (MeV)

54-Xe-136

MAT 5461

54-Xe-136

(n,2n)
Radionuclide Production Cross Section



137

Incident Energy (MeV)

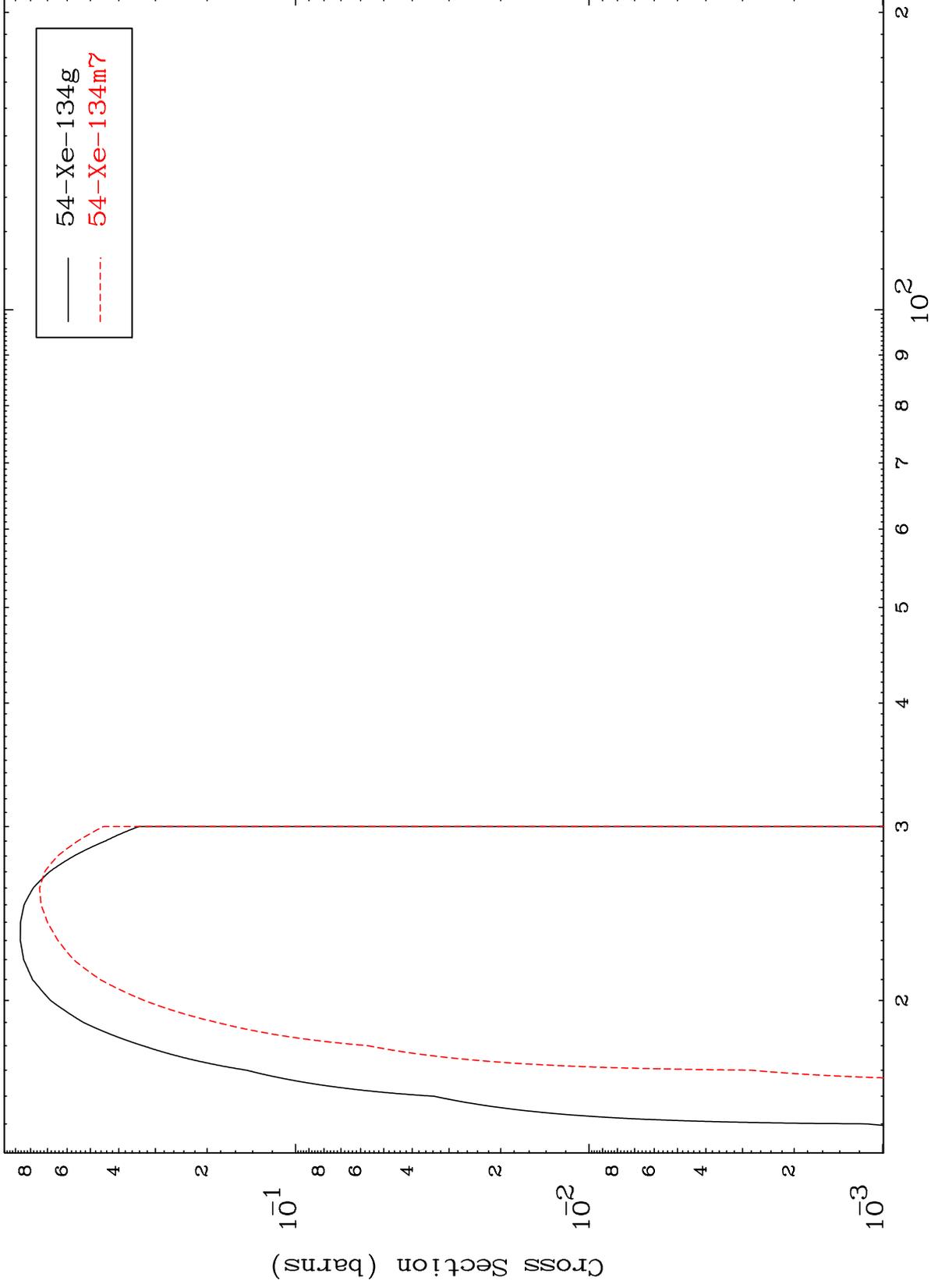
54-Xe-136

MAT 5461

(n,3n)

54-Xe-136

Radionuclide Production Cross Section



138

Incident Energy (MeV)

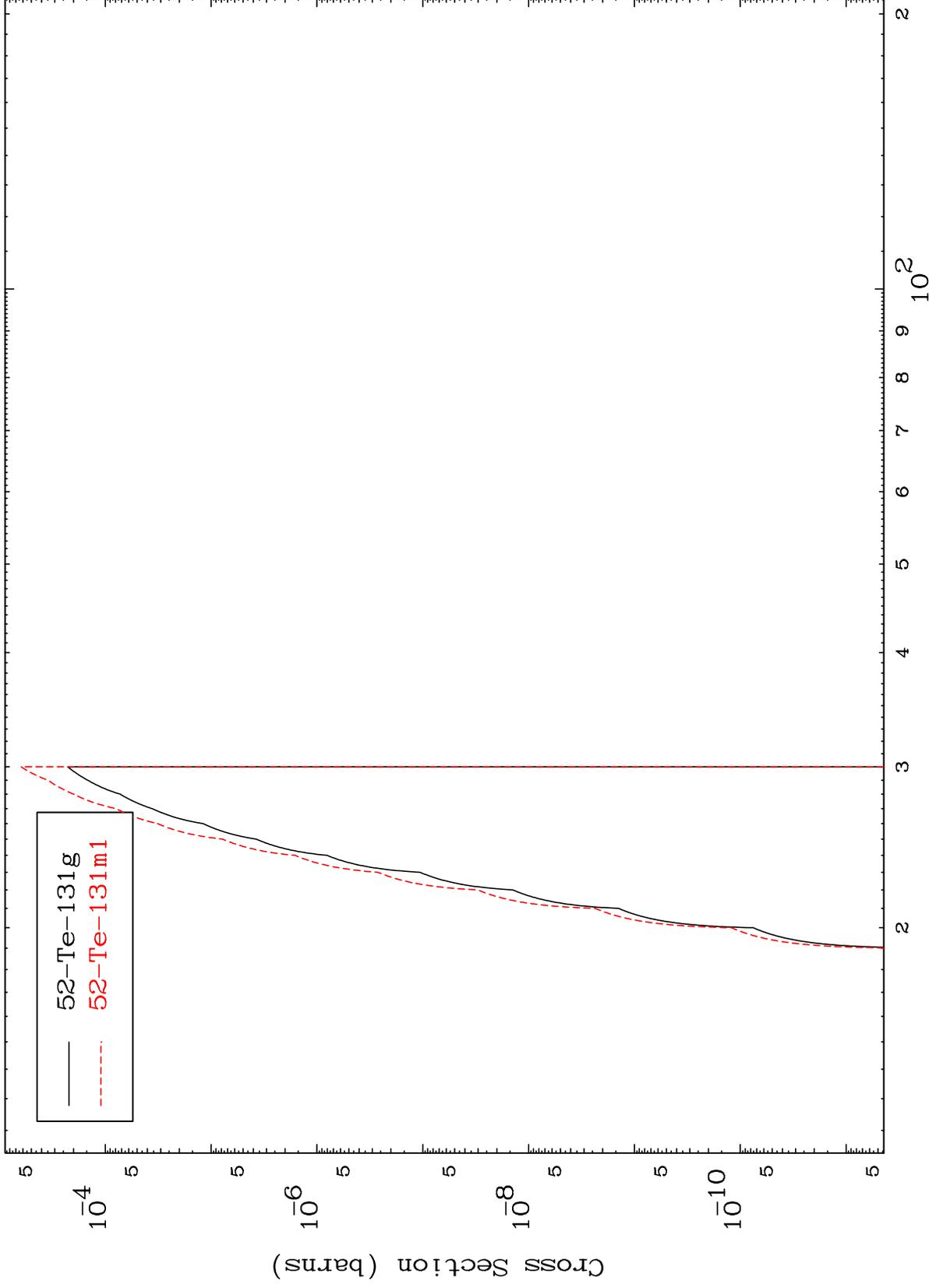
54-Xe-136

MAT 5461

(n,2n) α

54-Xe-136

Radionuclide Production Cross Section

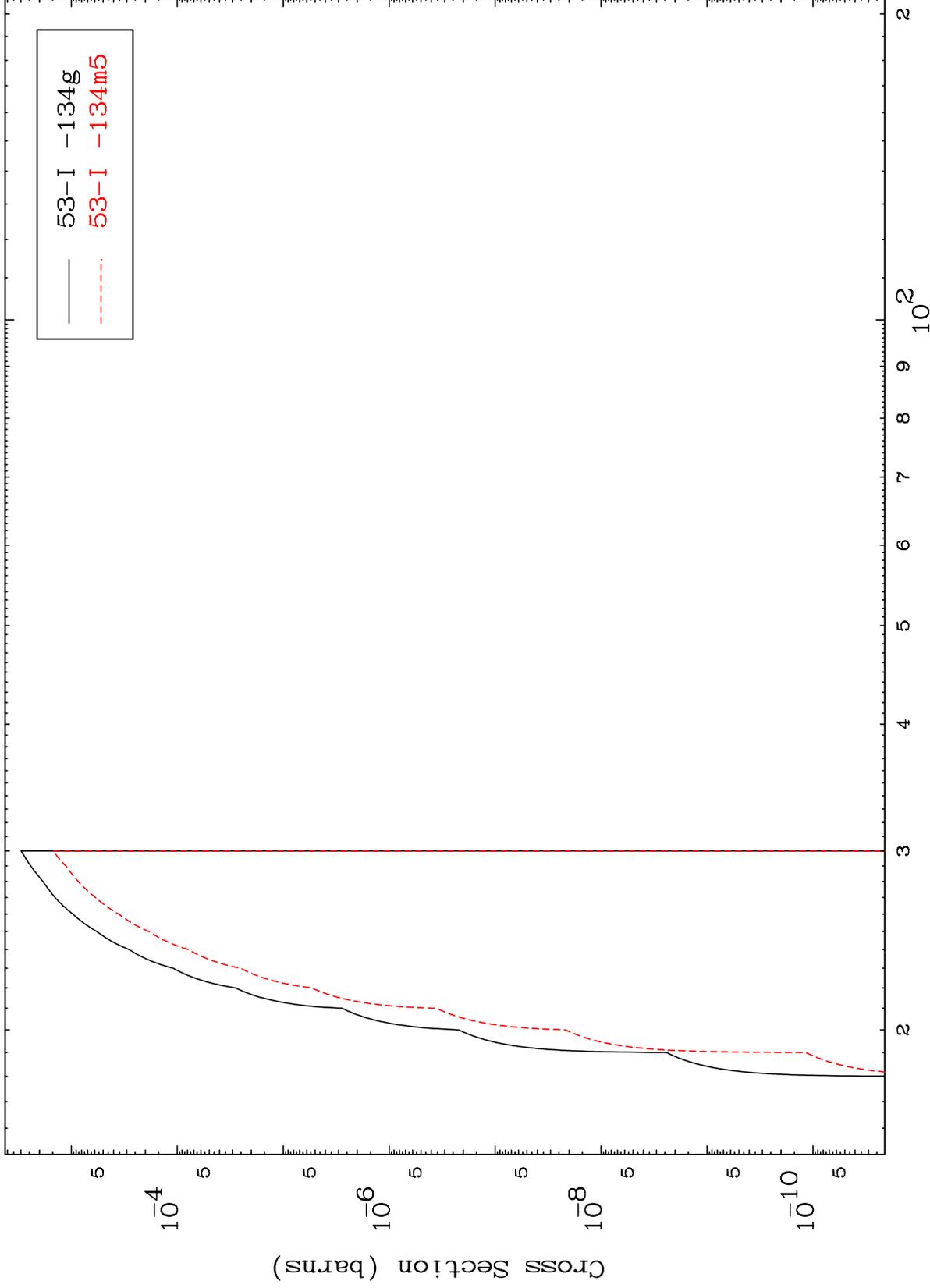


MAT 5461

(n,n') d

54-Xe-136

Radionuclide Production Cross Section



140

Incident Energy (MeV)

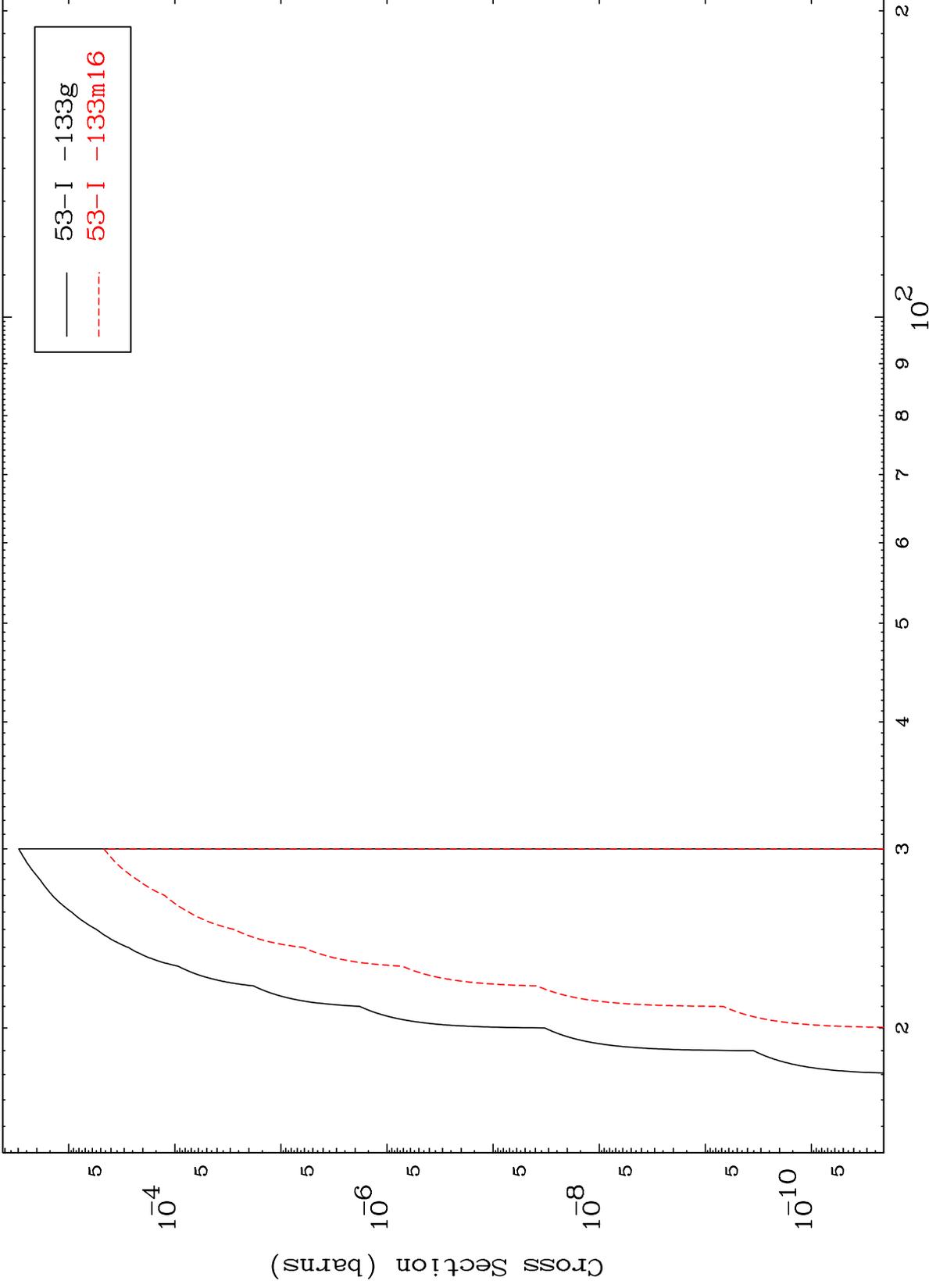
54-Xe-136

MAT 5461

(n,n') t

54-Xe-136

Radionuclide Production Cross Section



141

Incident Energy (MeV)

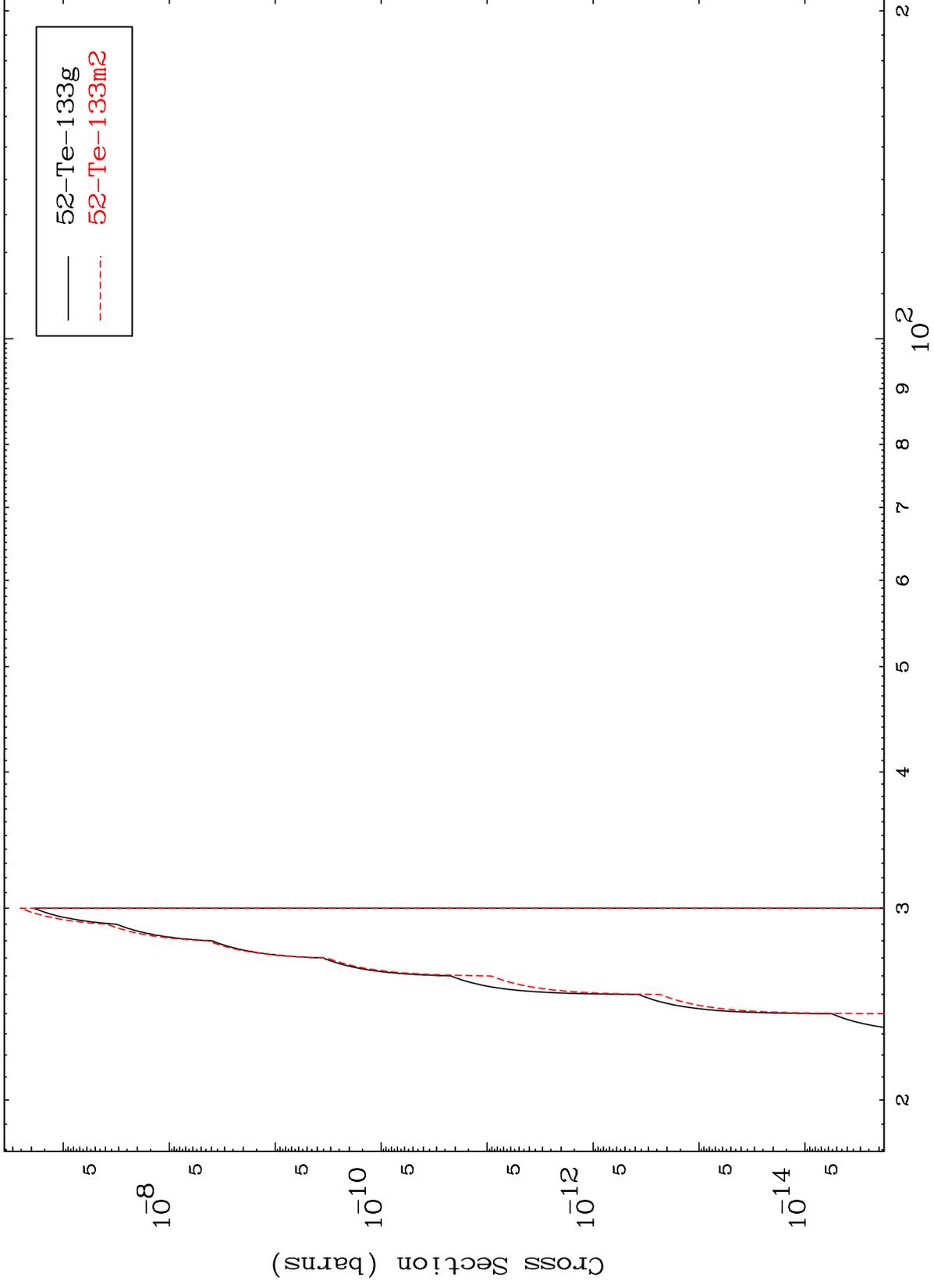
54-Xe-136

MAT 5461

(n,n') He-3

54-Xe-136

Radionuclide Production Cross Section



142

Incident Energy (MeV)

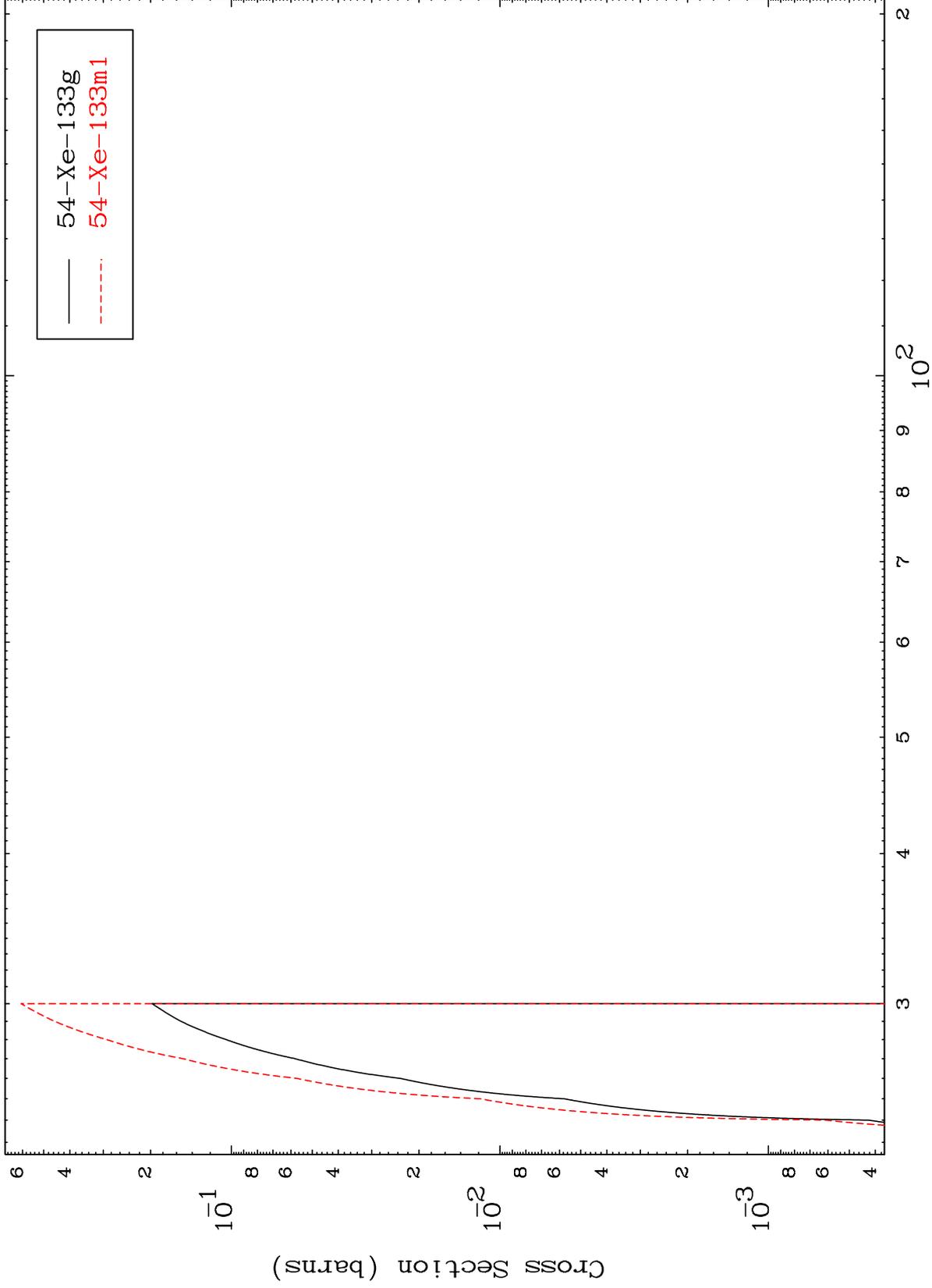
54-Xe-136

MAT 5461

(n,4n)

54-Xe-136

Radionuclide Production Cross Section



143

Incident Energy (MeV)

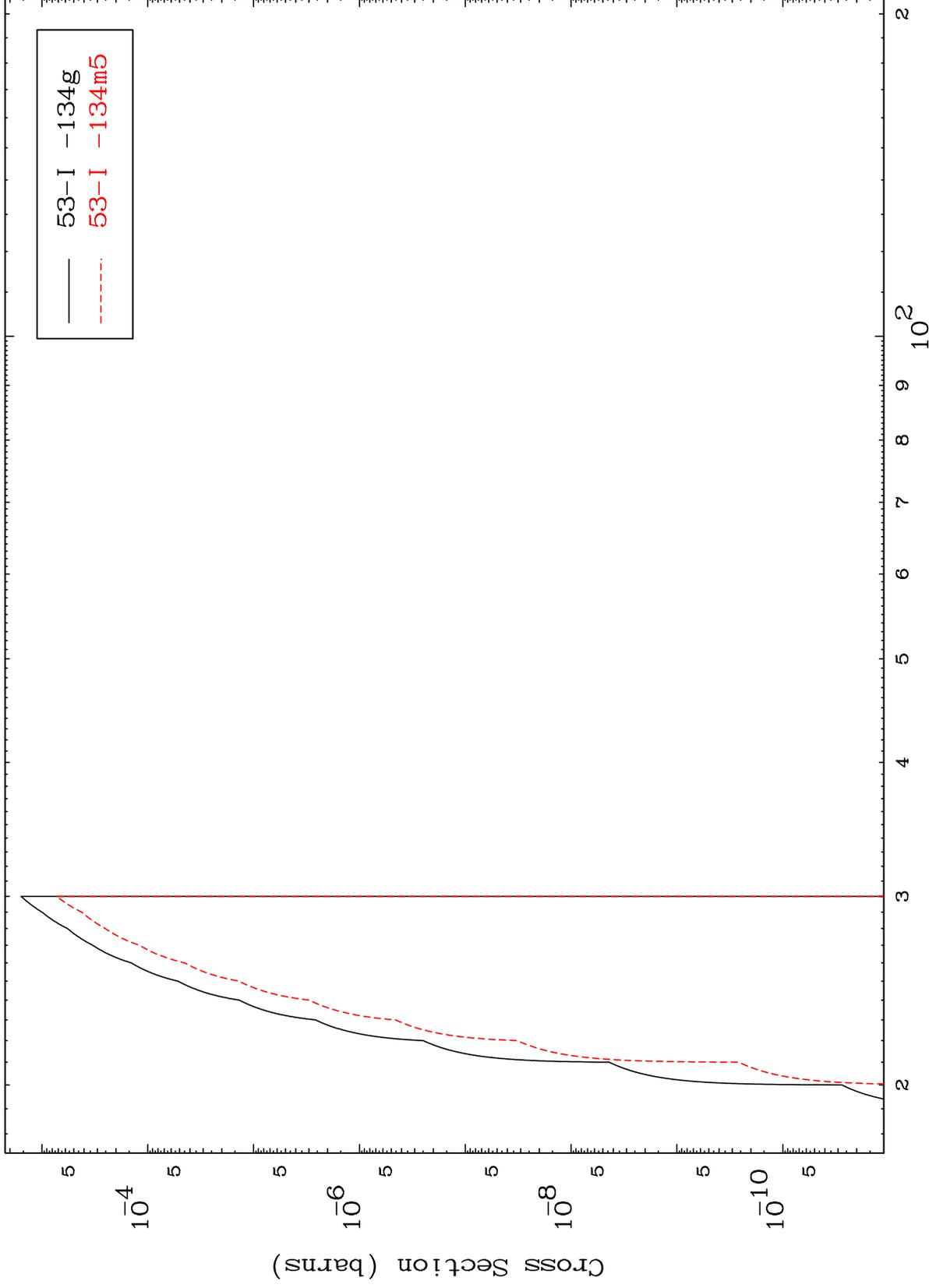
54-Xe-136

MAT 5461

(n,2n) p

54-Xe-136

Radionuclide Production Cross Section

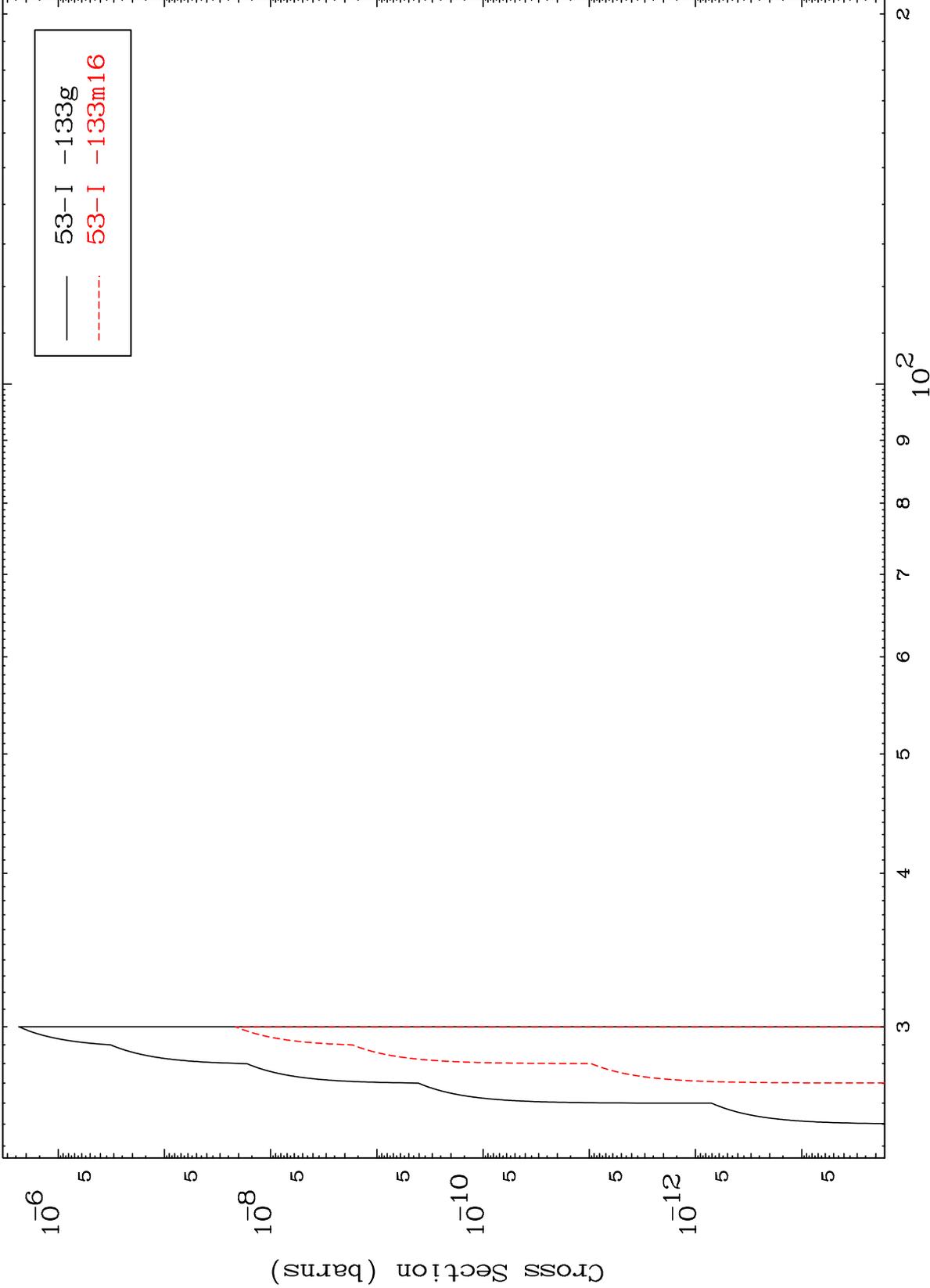


144

Incident Energy (MeV)

54-Xe-136

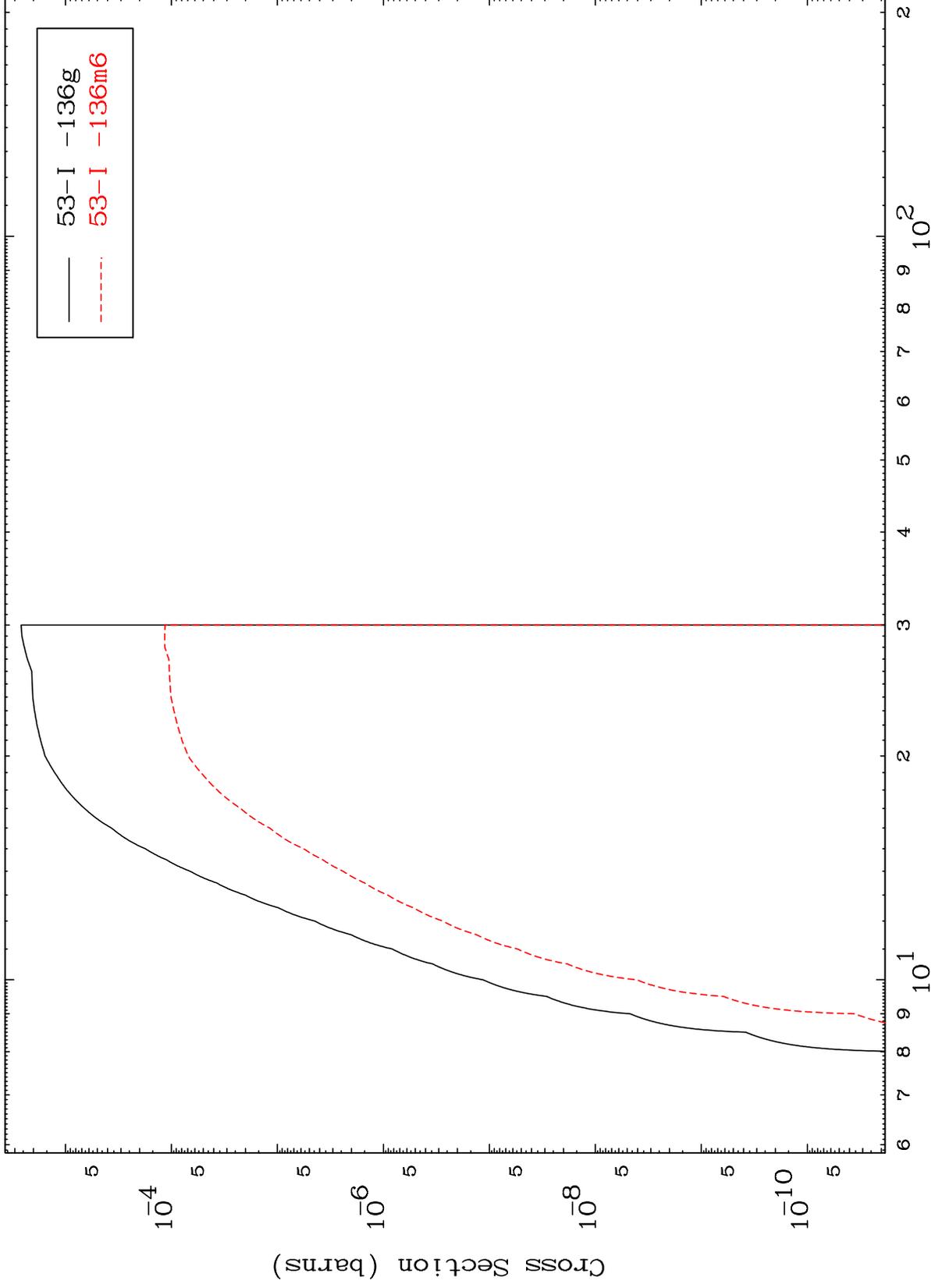
Radionuclide Production Cross Section



MAT 5461

54-Xe-136

(n,p)
Radionuclide Production Cross Section



146

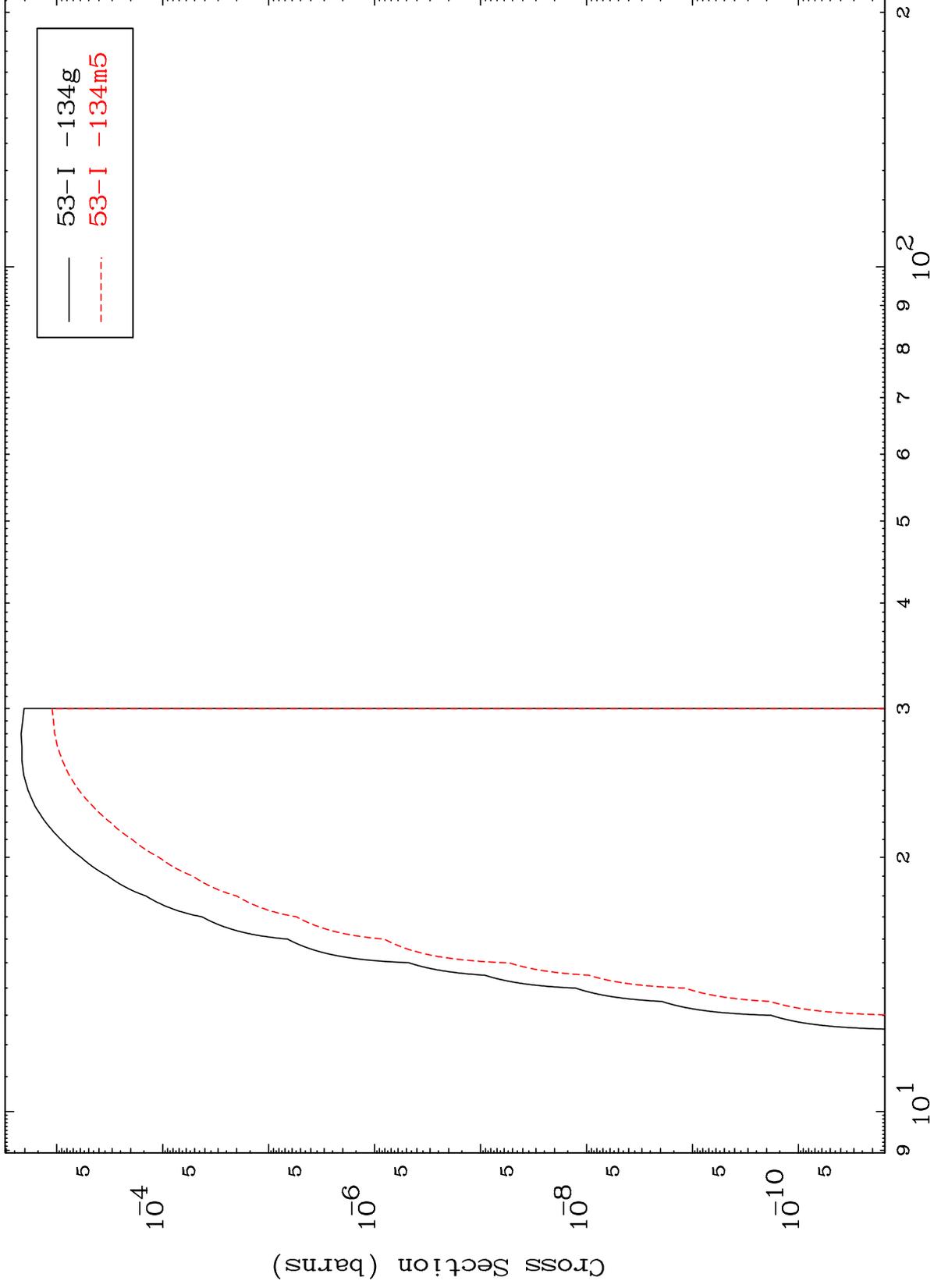
Incident Energy (MeV)

54-Xe-136

MAT 5461

54-Xe-136

(n, t)
Radionuclide Production Cross Section



54-Xe-136

Incident Energy (MeV)

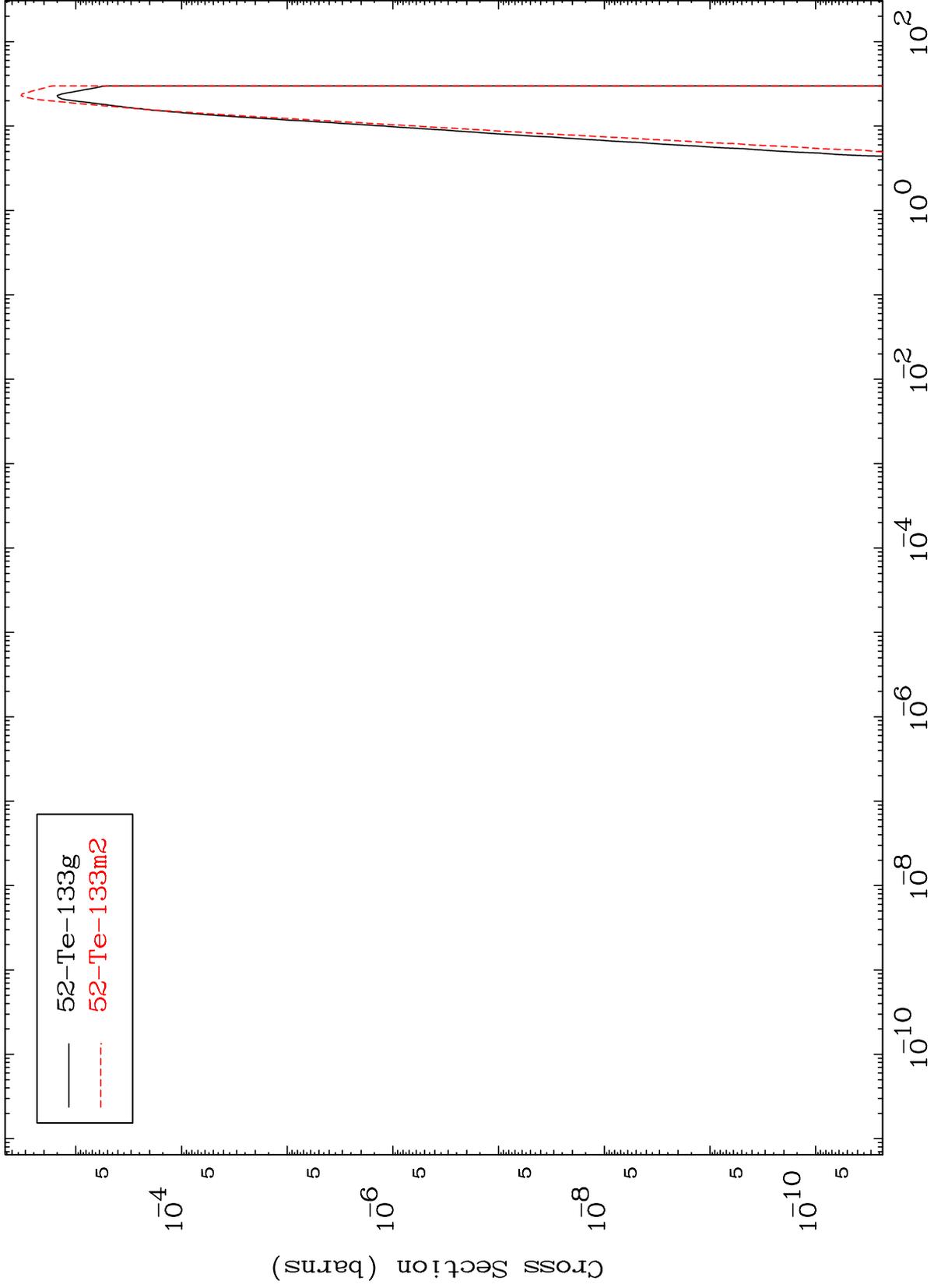
147

MAT 5461

(n, α)

54-Xe-136

Radionuclide Production Cross Section



148

Incident Energy (MeV)

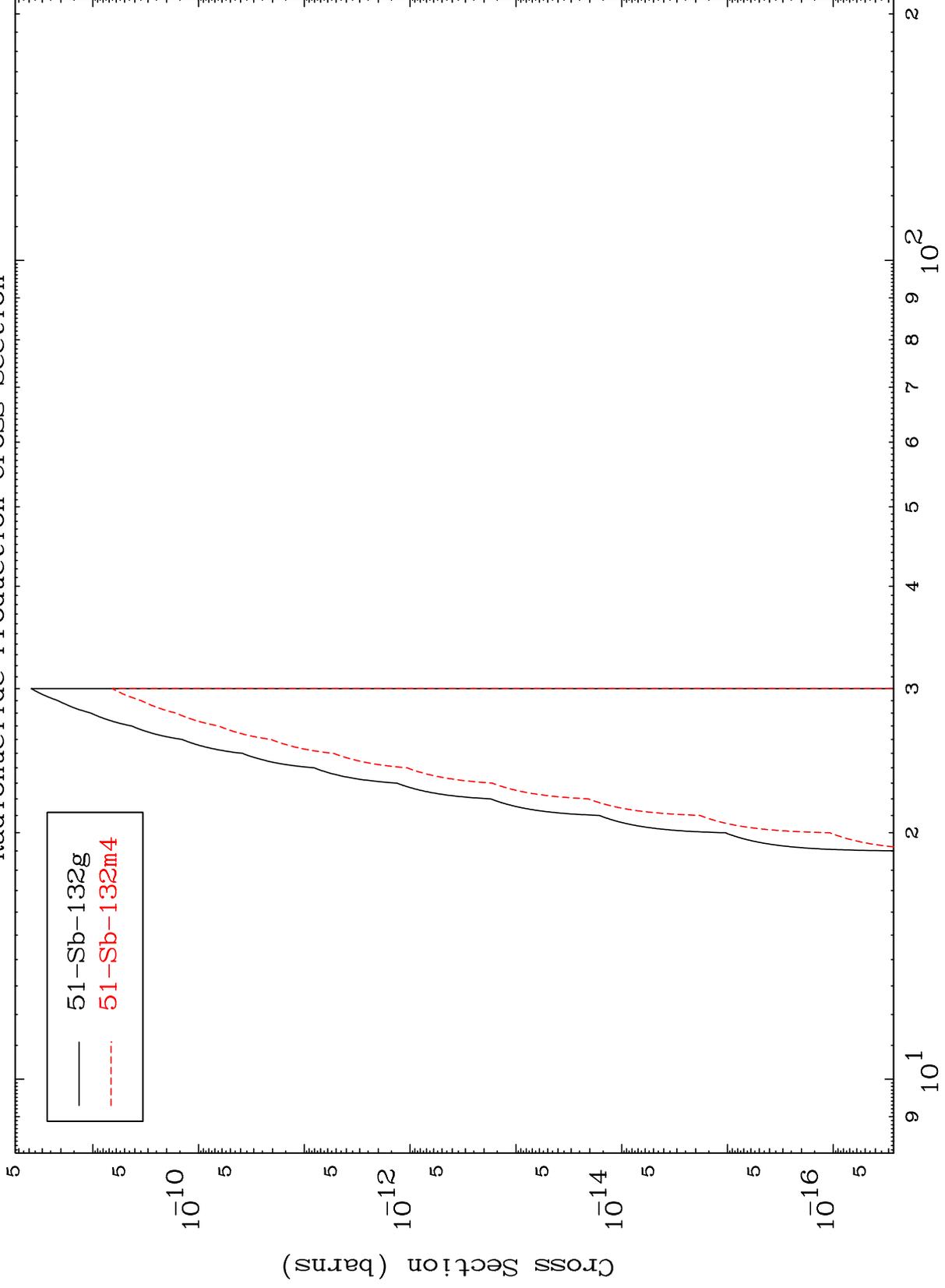
54-Xe-136

MAT 5461

(n,p) α

54-Xe-136

Radionuclide Production Cross Section



51-Sb-132g
51-Sb-132m4

149

Incident Energy (MeV)

54-Xe-136