

Program EVALPLOT
(Version 2018-1)

by

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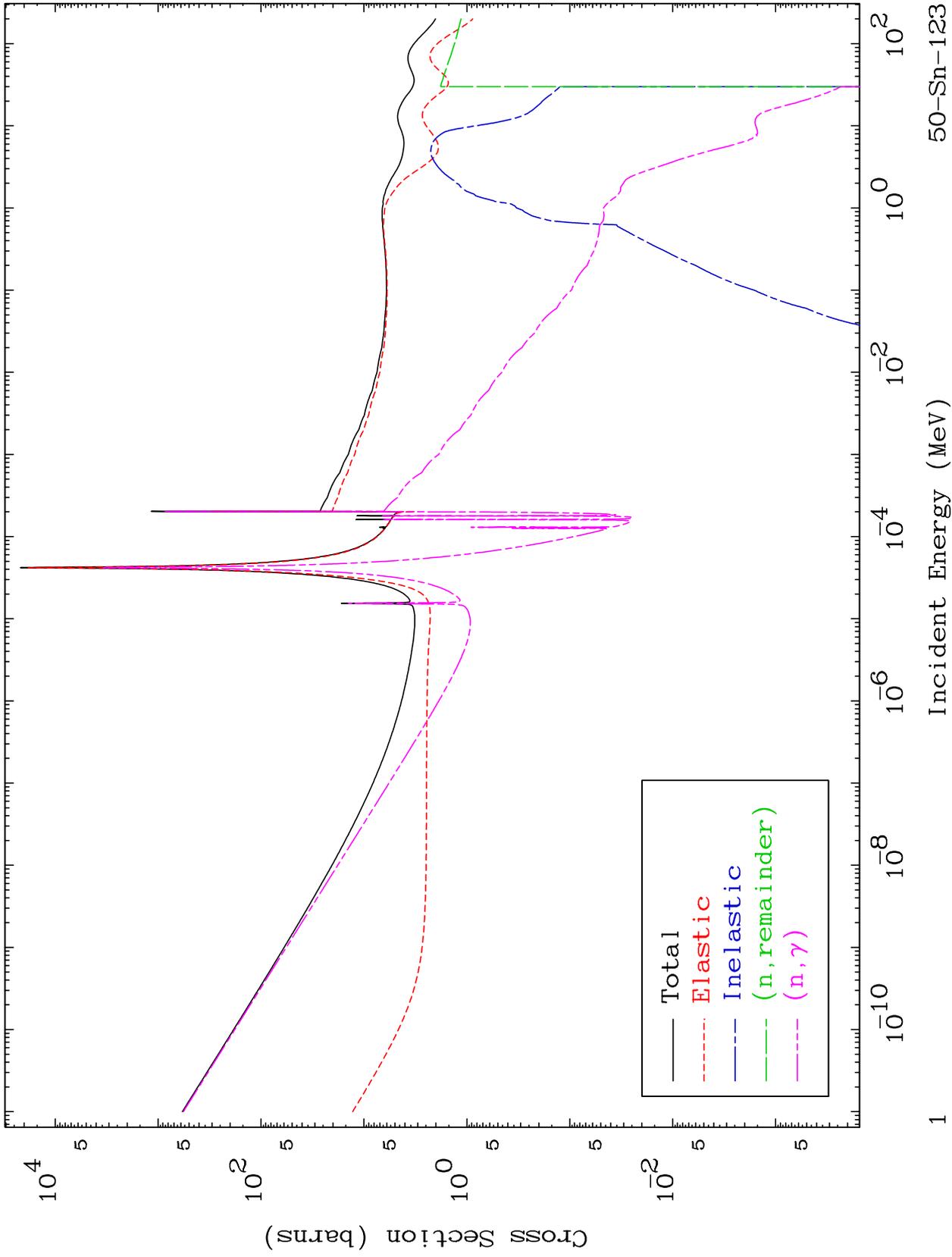
Press Mouse Button to Start

MAT 5058

Major

293 Kelvin Cross Sections

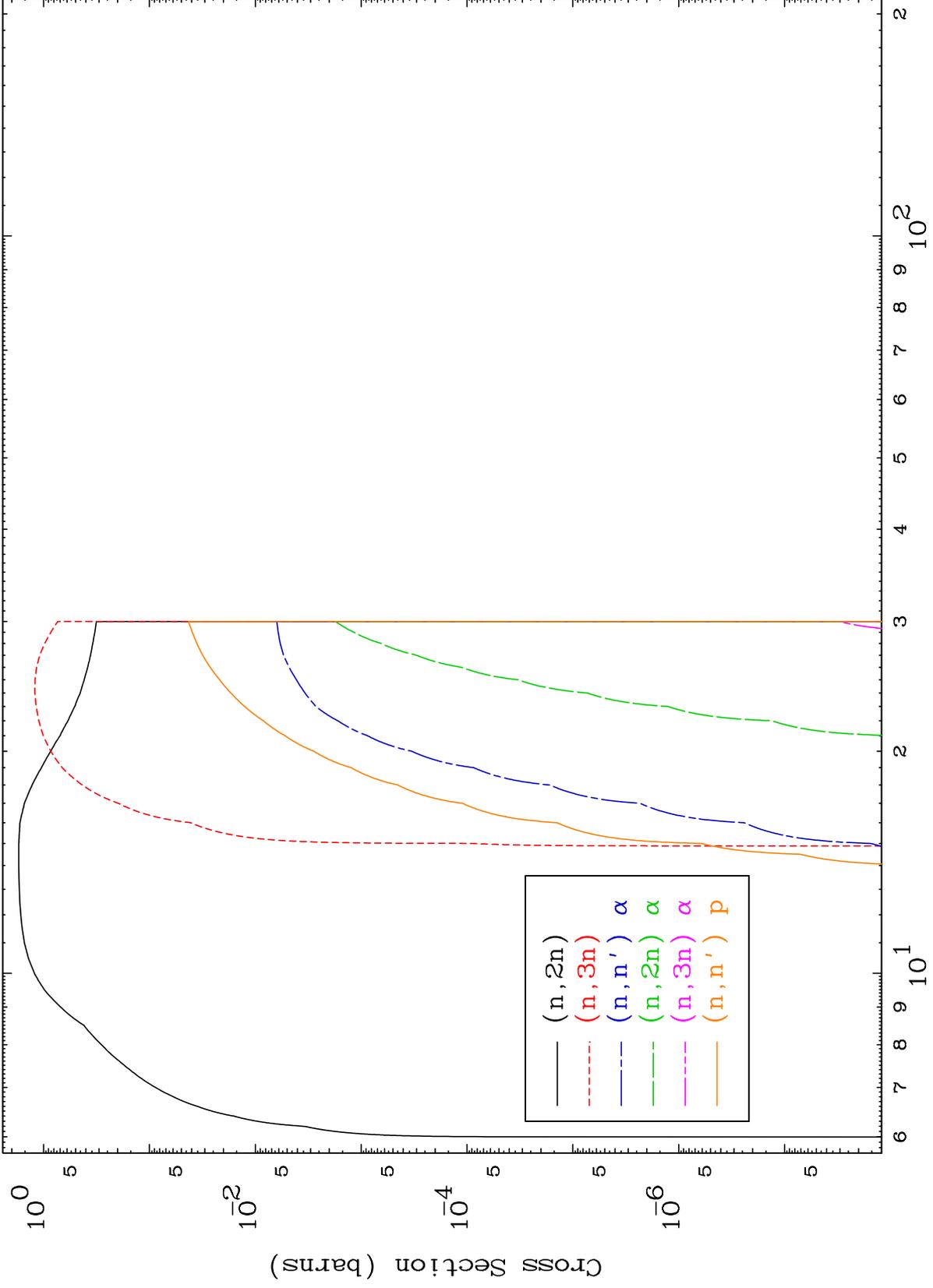
50-Sn-123

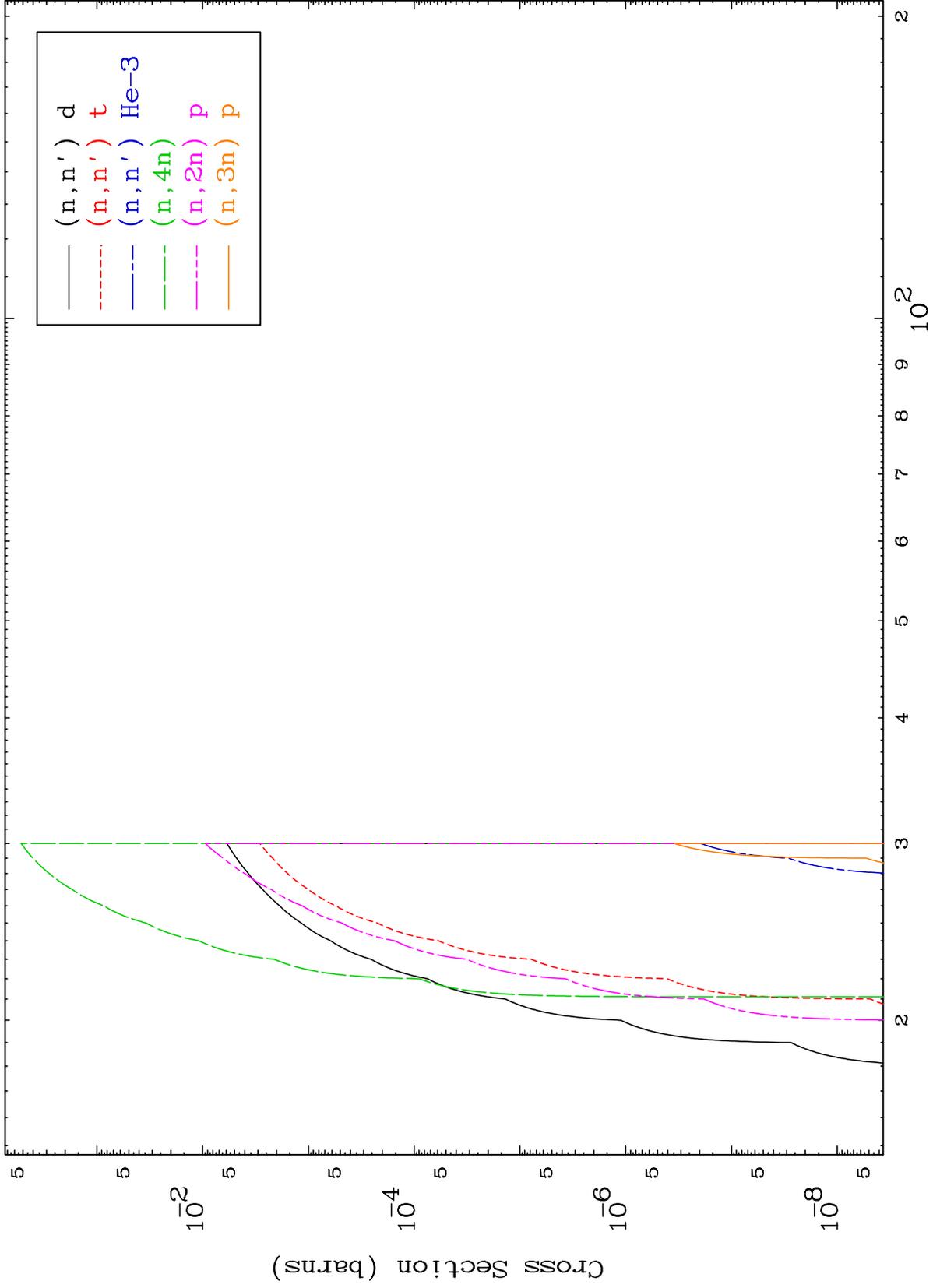


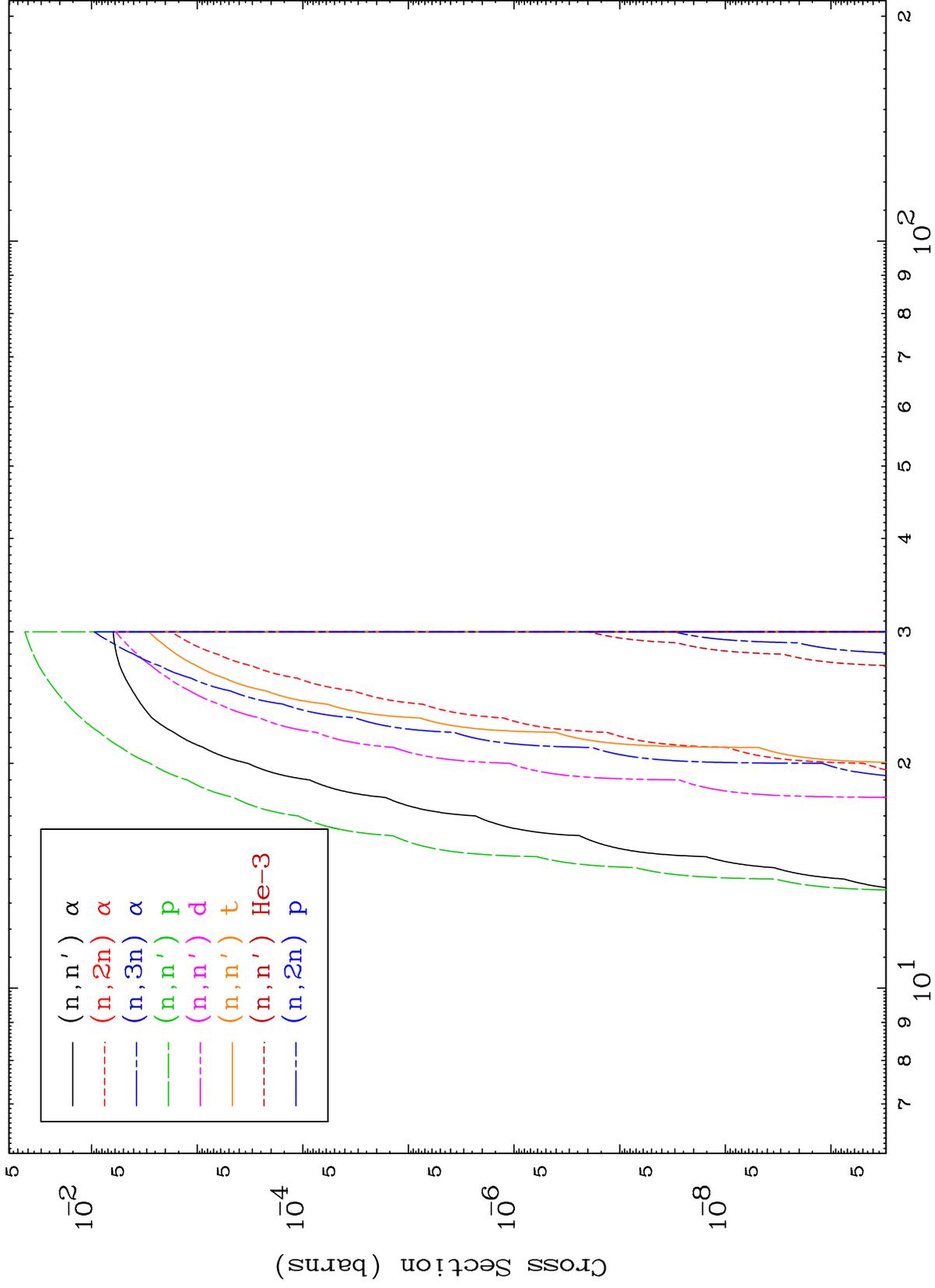
MAT 5058

Neutron Production
293 Kelvin Cross Sections

50-Sn-123



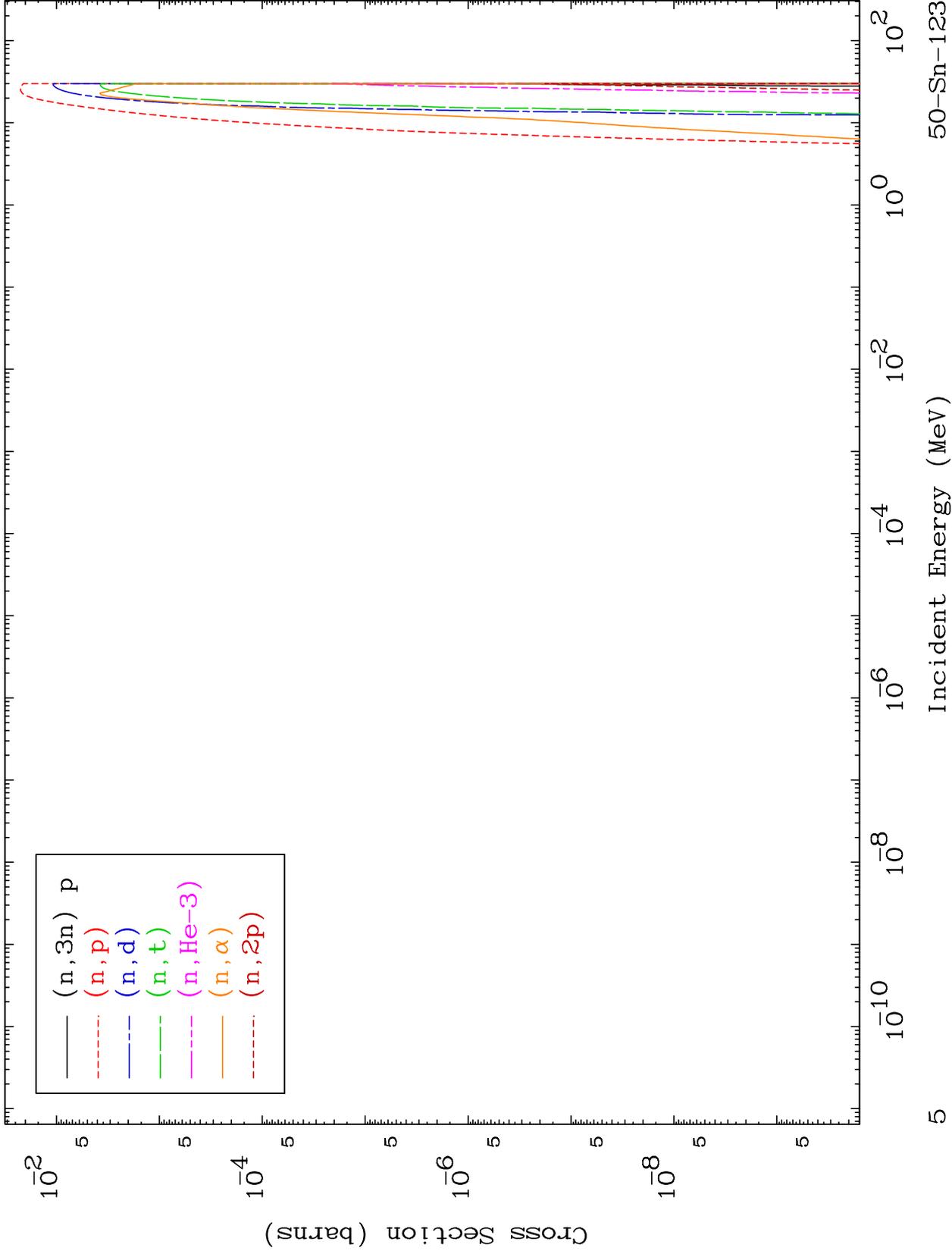




MAT 5058

Charged Particle
293 Kelvin Cross Sections

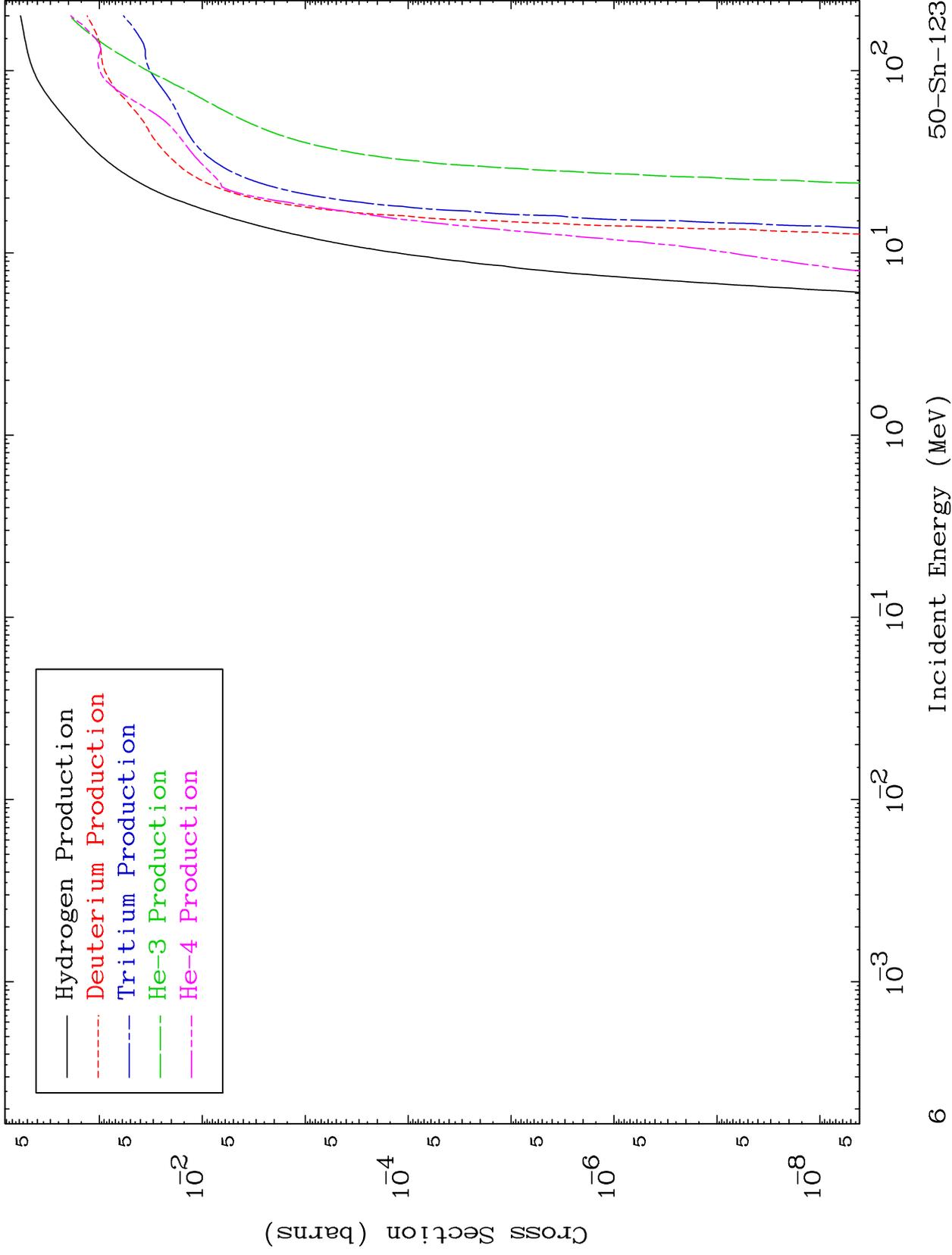
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MAT 5058

Particle Production
293 Kelvin Cross Sections

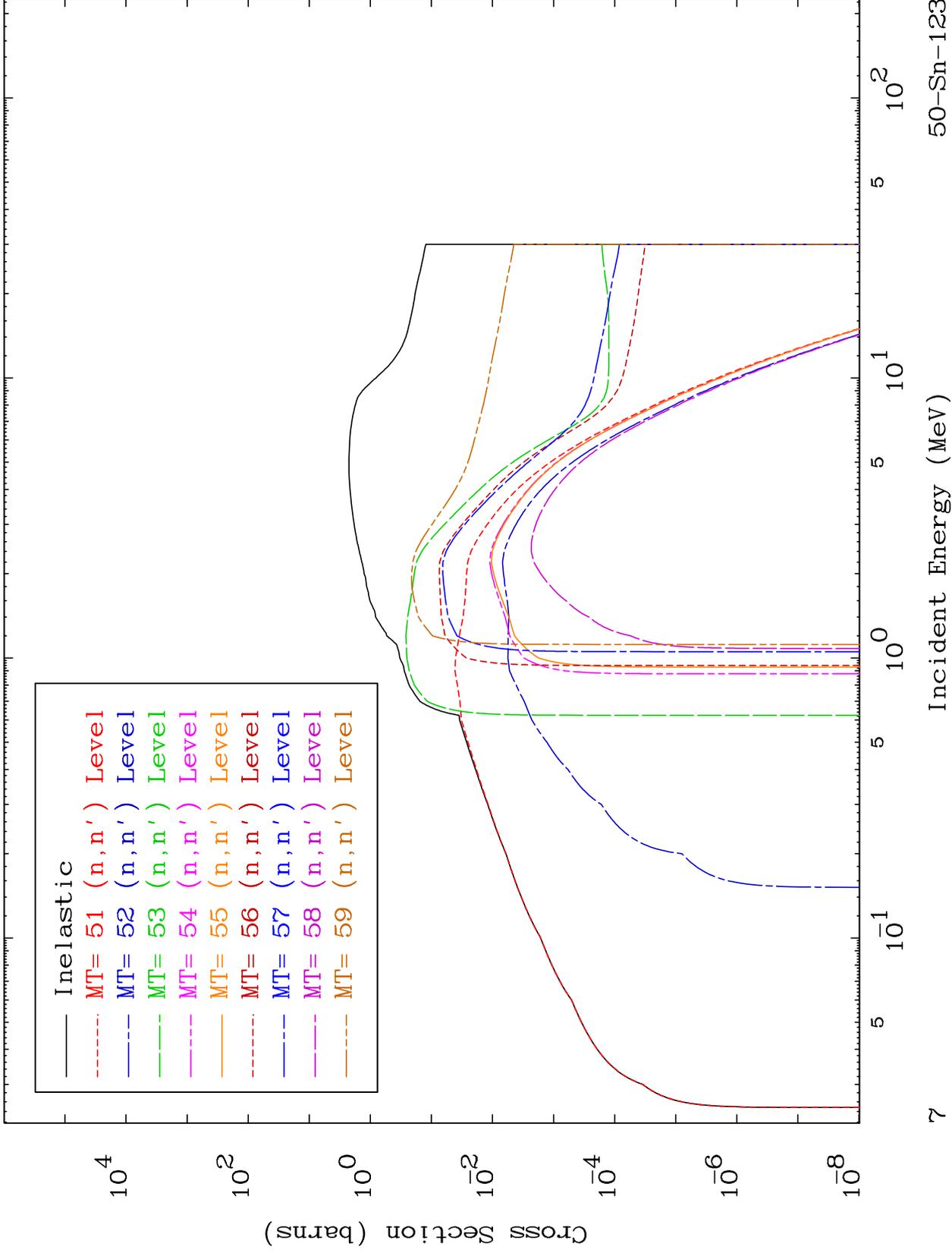
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MAT 5058

(n,n') Level
293 Kelvin Cross Sections

50-Sn-123

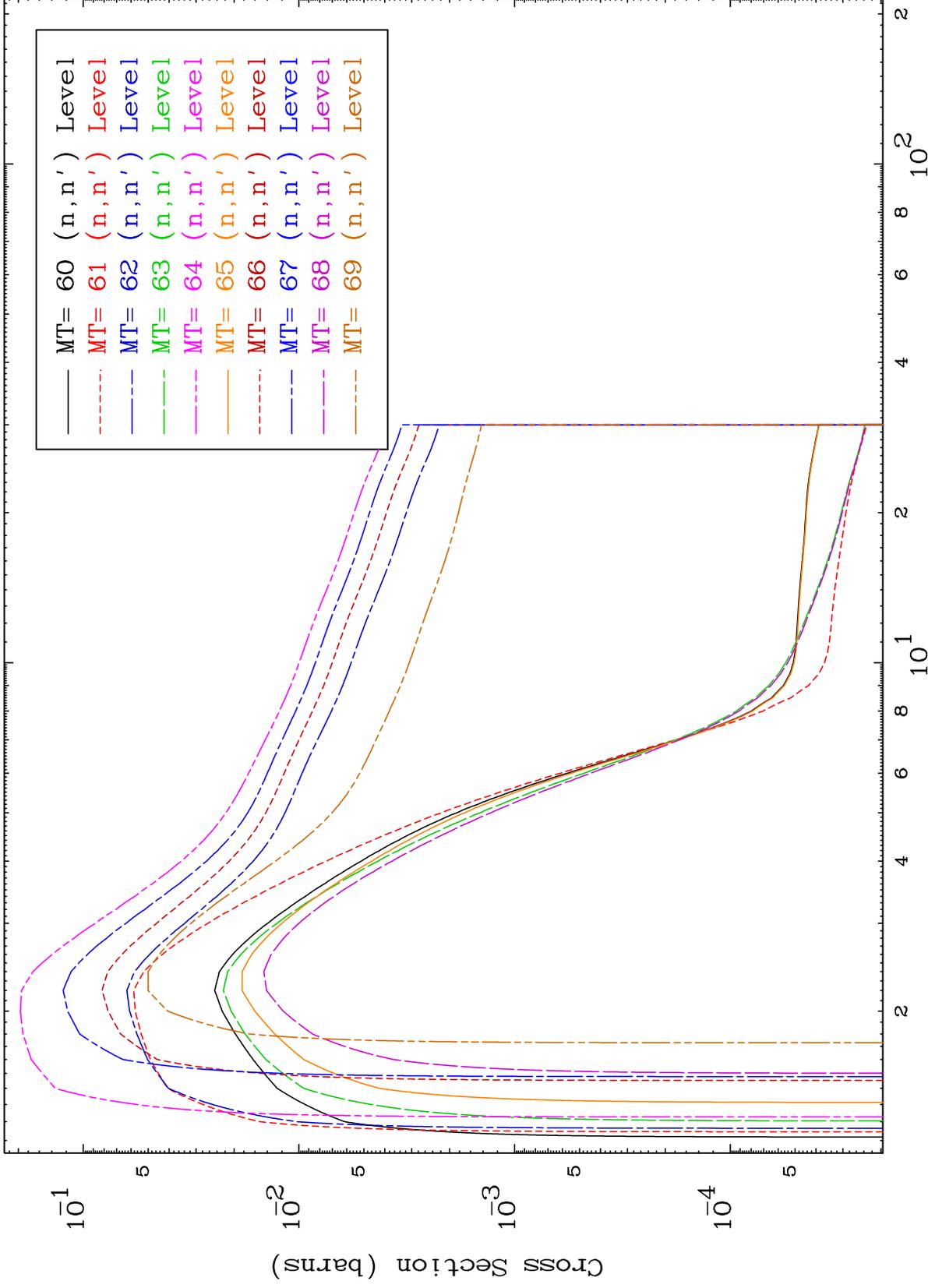


MAT 5058

(n,n') Level

50-Sn-123

293 Kelvin Cross Sections



8

Incident Energy (MeV)

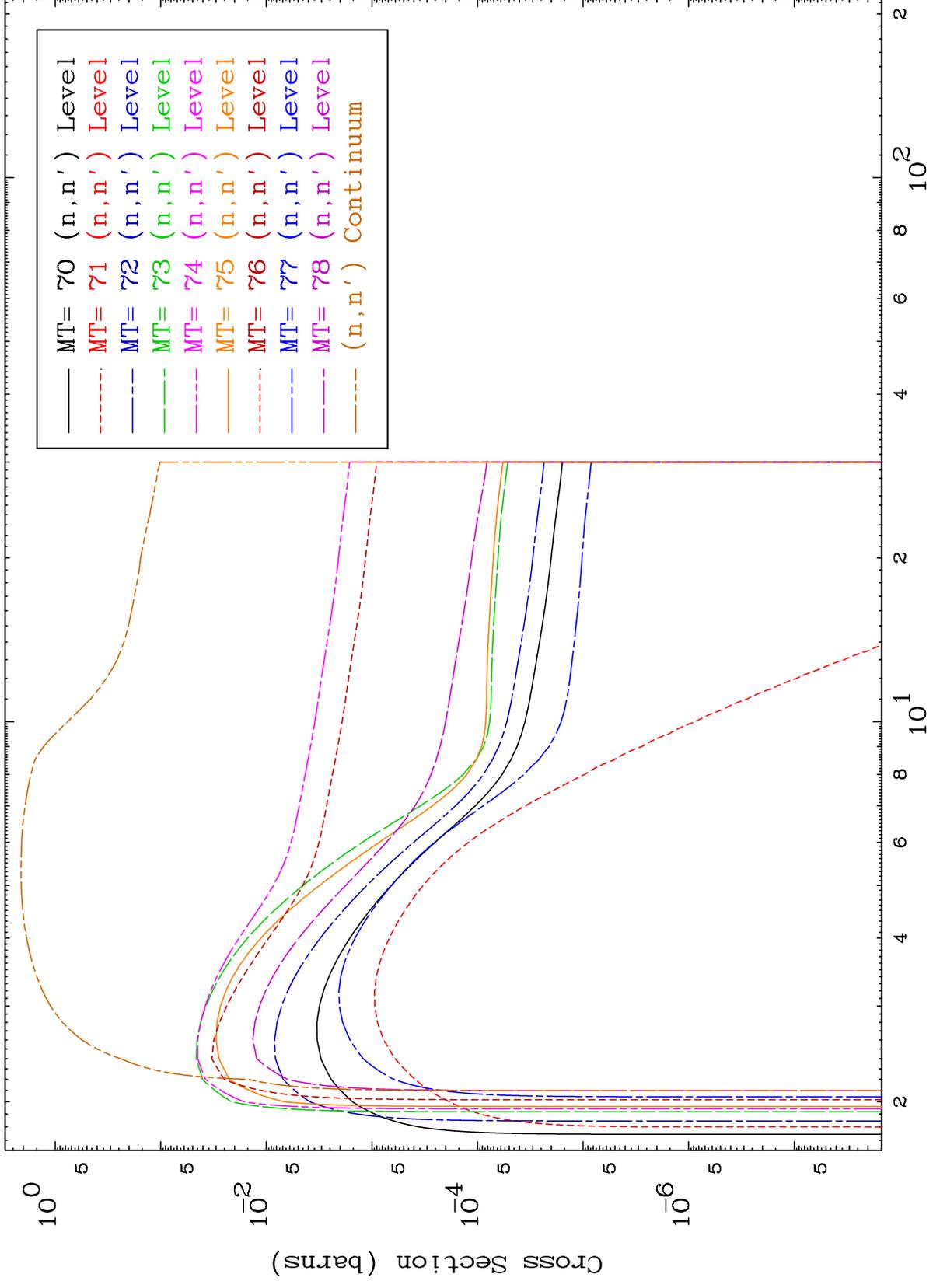
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MAT 5058

(n,n') Level

50-Sn-123

293 Kelvin Cross Sections



9

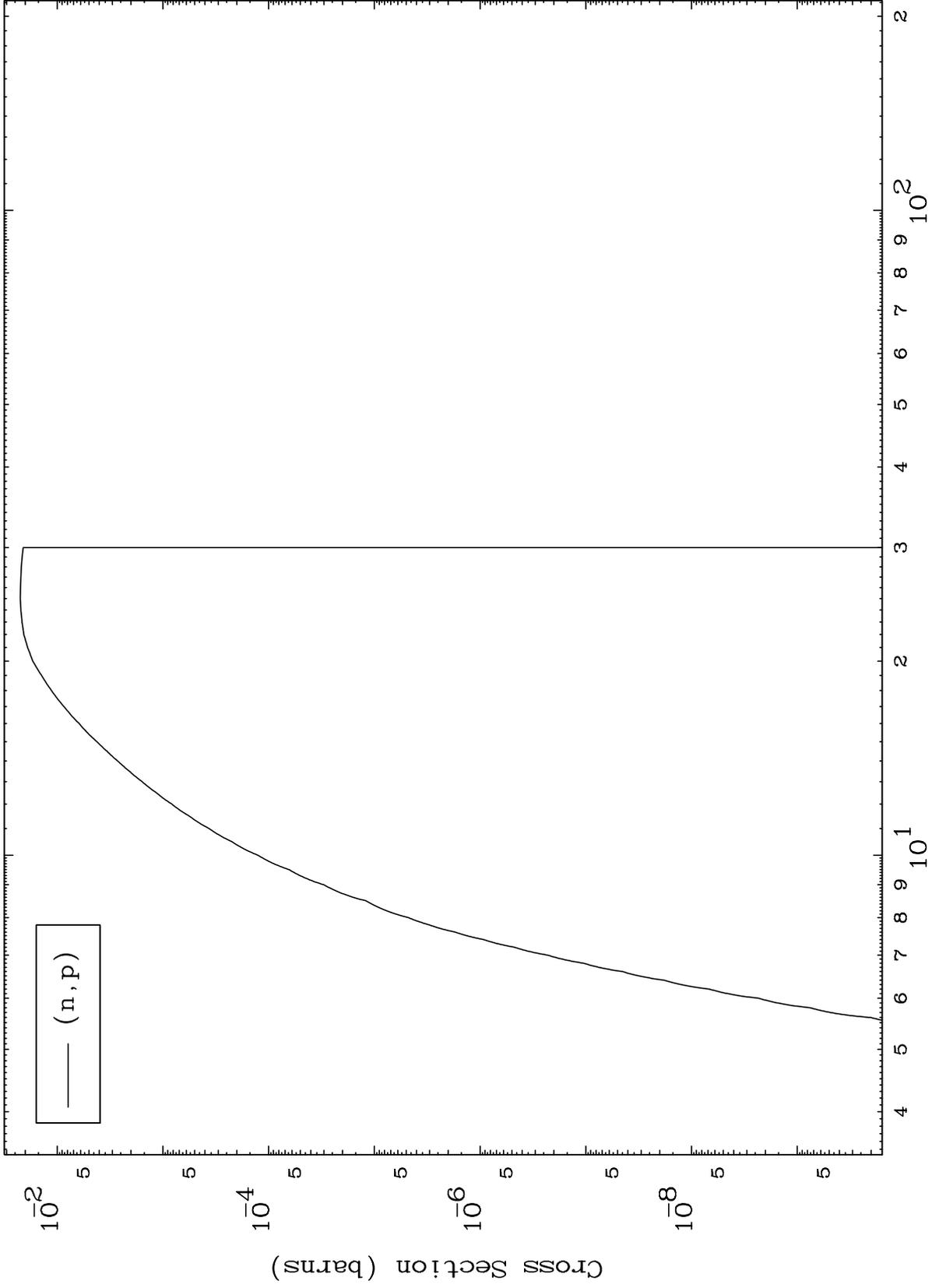
Incident Energy (MeV)

50-Sn-123

MAT 5058

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-123



10

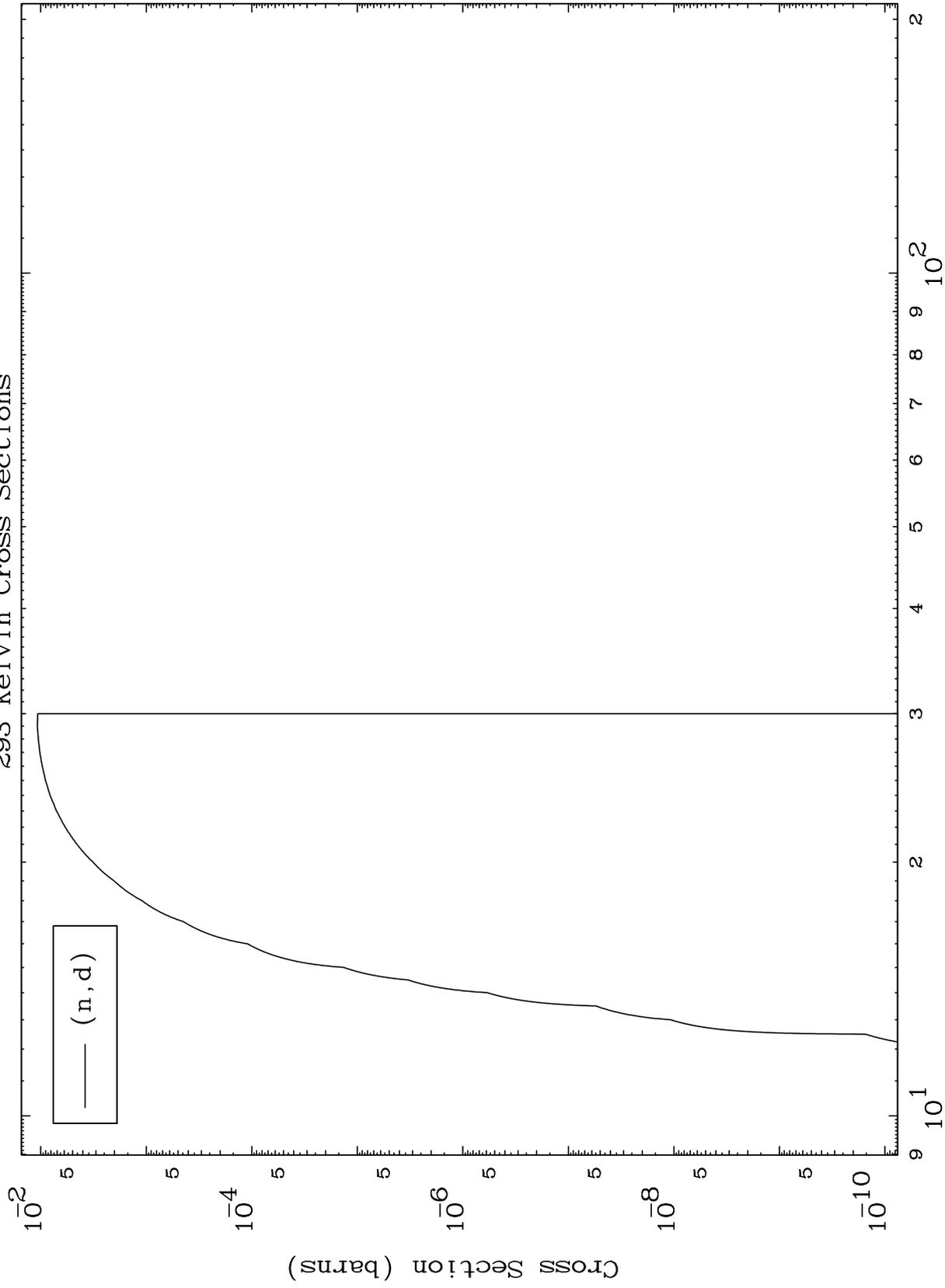
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50-Sn-123

MAT 5058

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-123



11

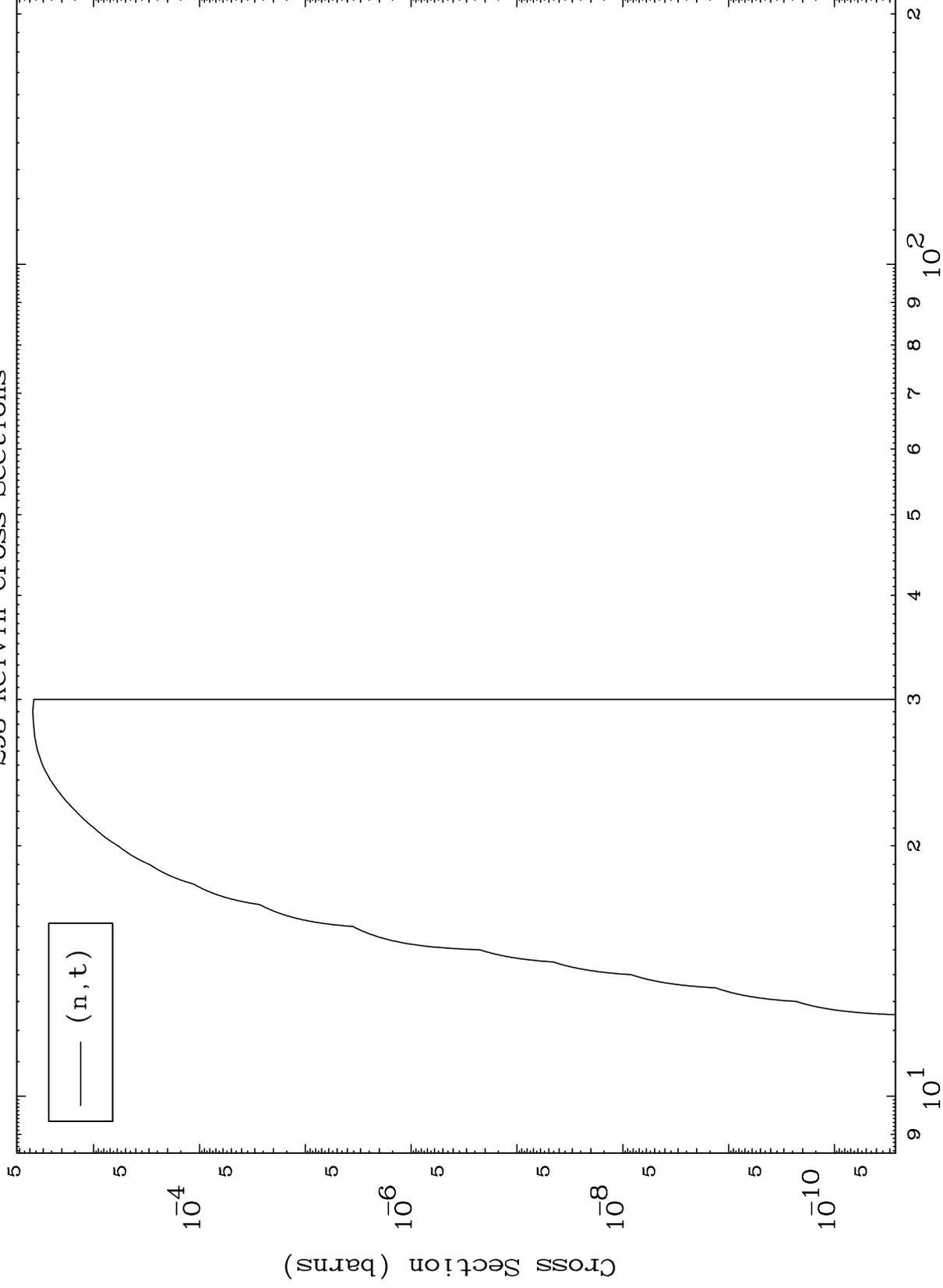
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50-Sn-123

MAT 5058

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-123



Incident Energy (MeV)

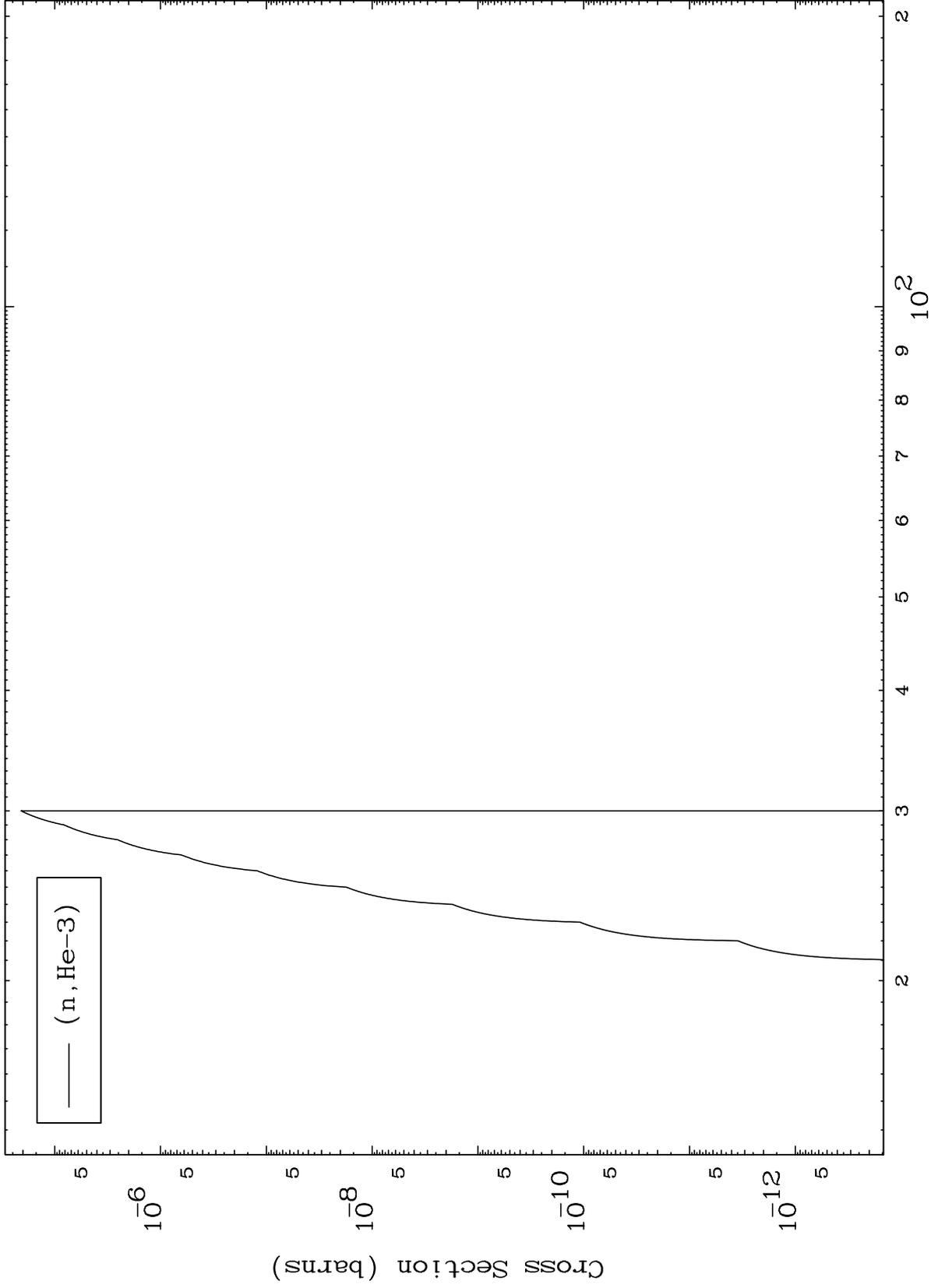
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12

MAT 5058

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-123



13

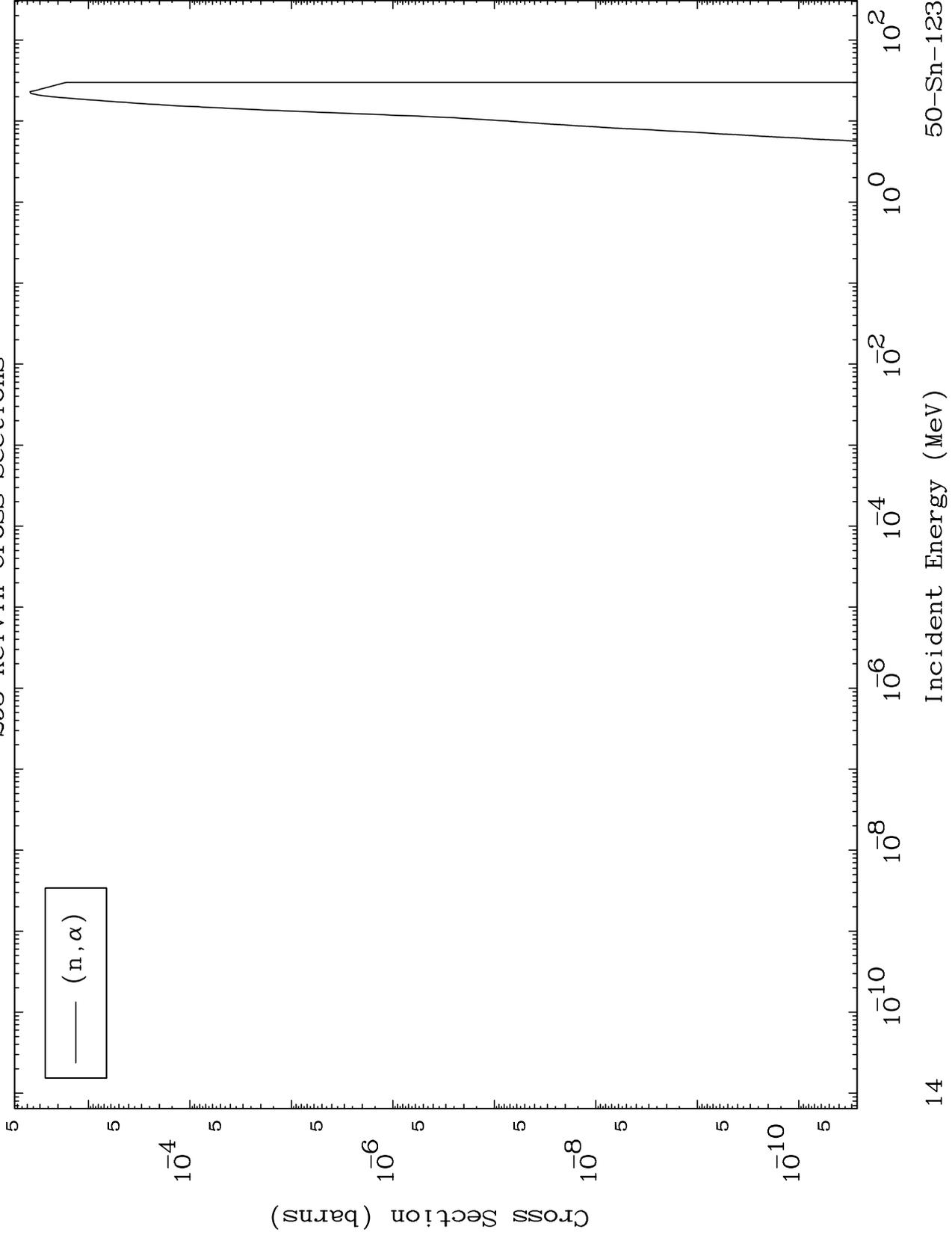
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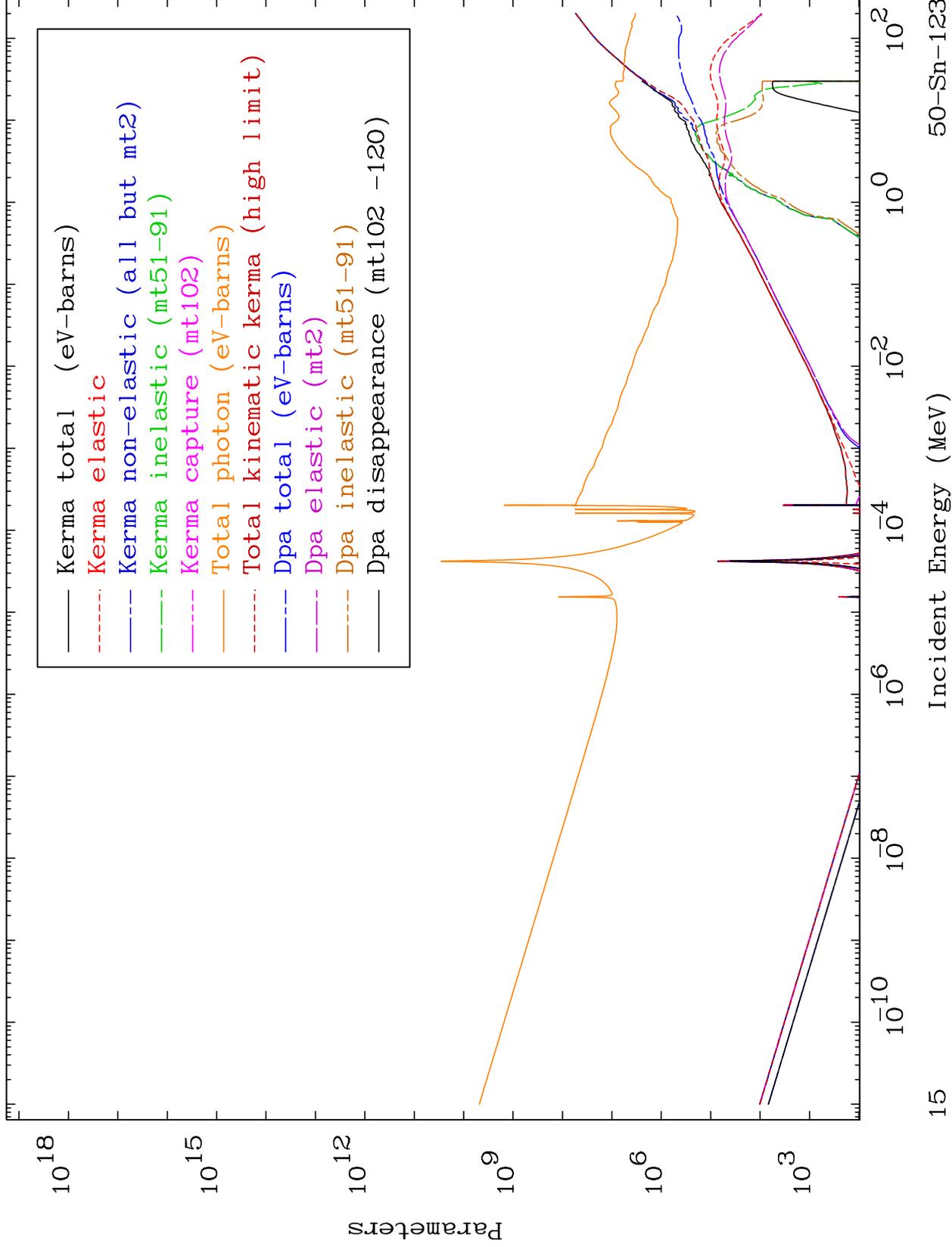
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MAT 5058

(n, α) Levels
293 Kelvin Cross Sections

50-Sn-123

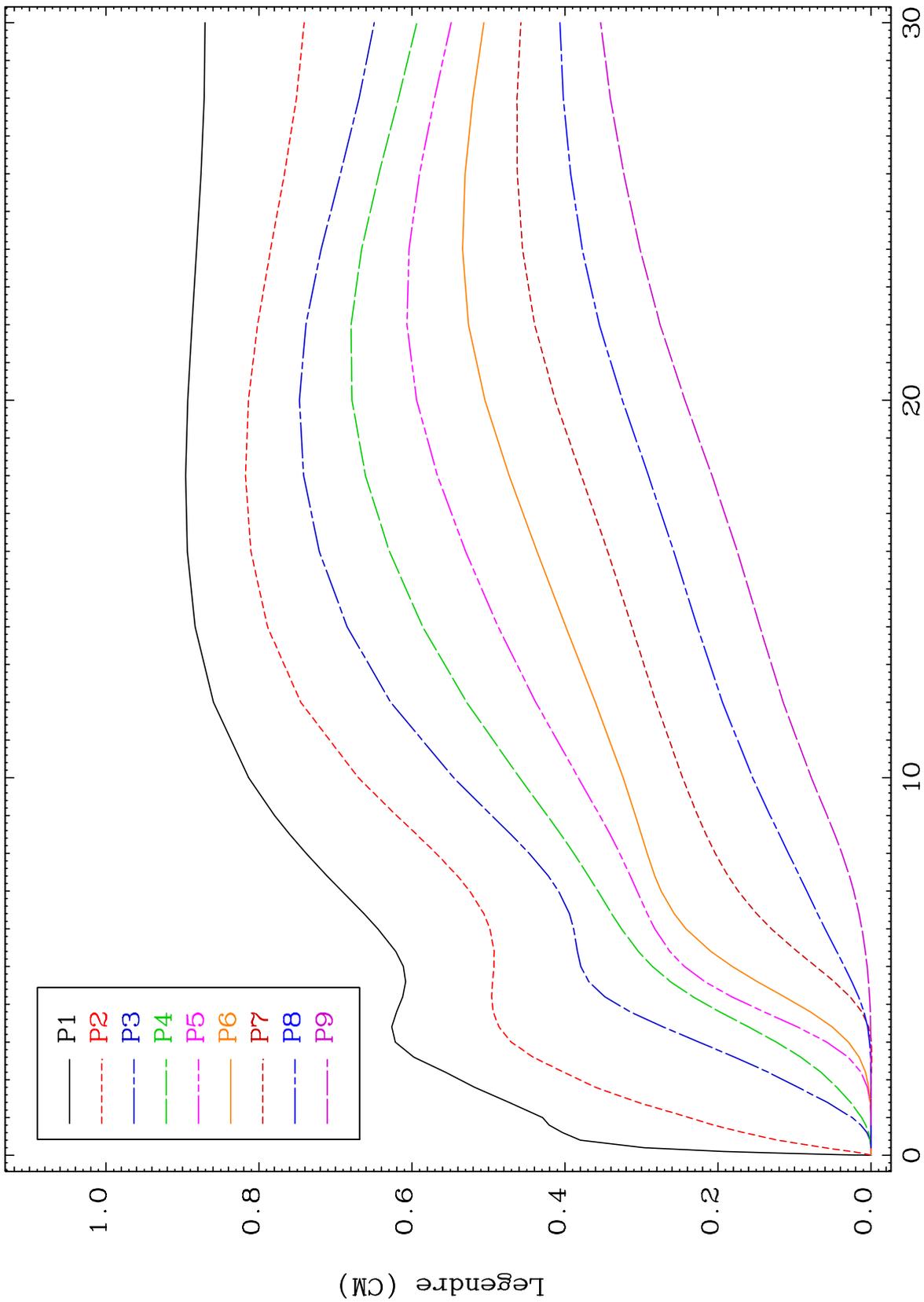




MAT 5058

Elastic Legendre Coefficients

50-Sn-123



16

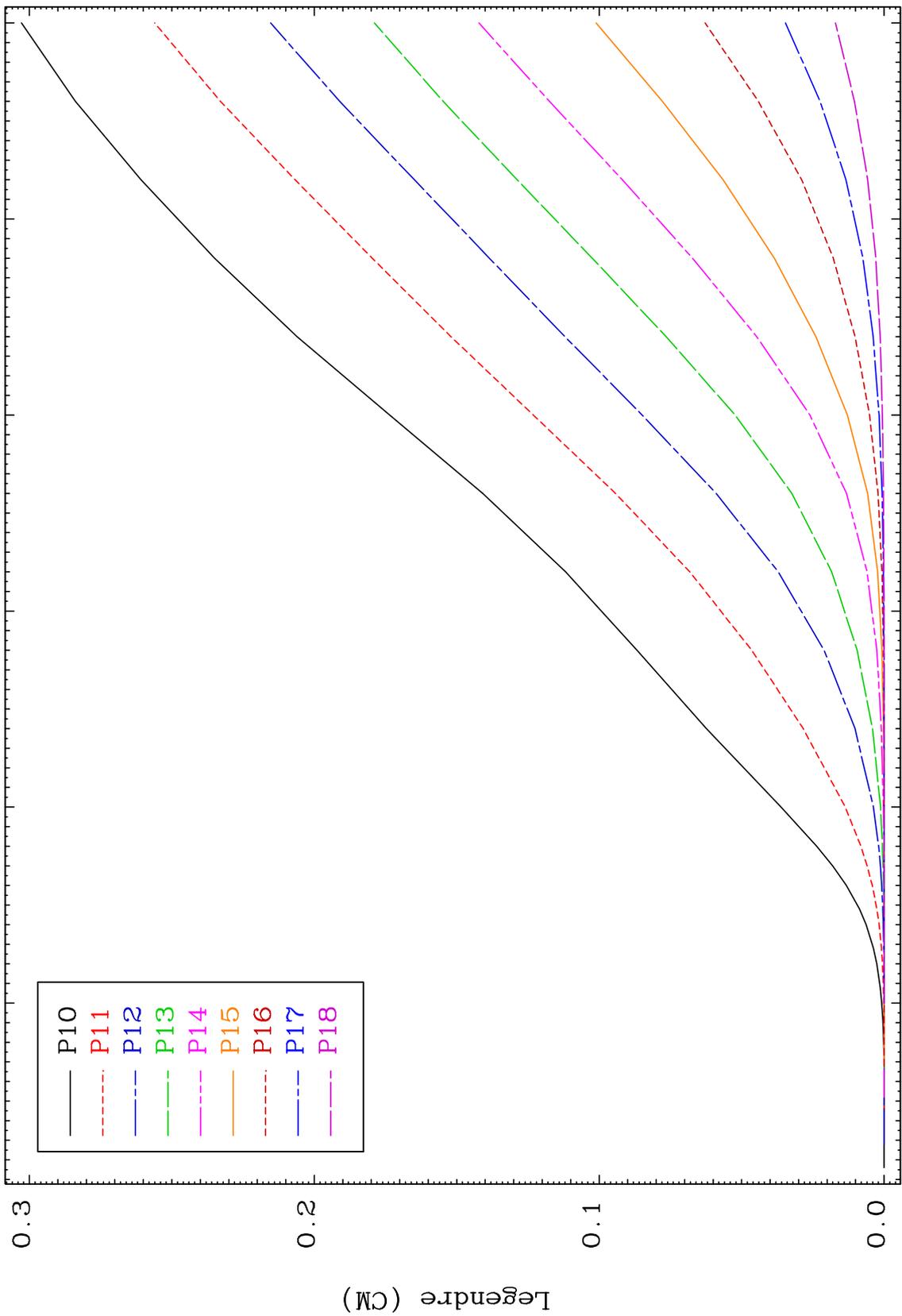
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50-Sn-123

MAT 5058

Elastic Legendre Coefficients

50-Sn-123



17

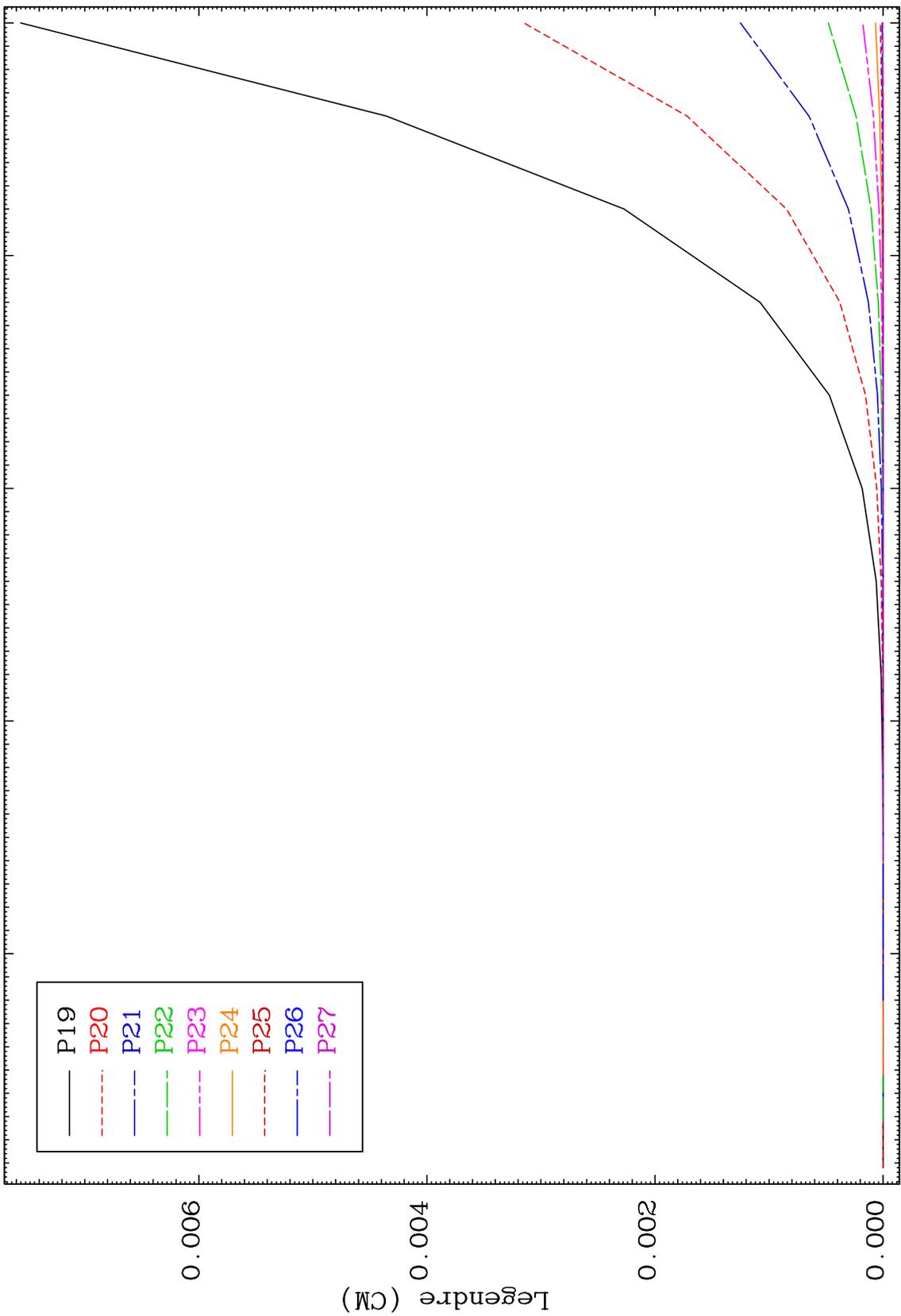
Incident Energy (MeV)

50-Sn-123

MAT 5058

Elastic Legendre Coefficients

50-Sn-123



18

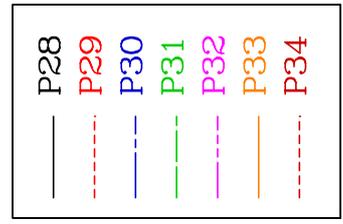
Incident Energy (MeV)

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MAT 5058

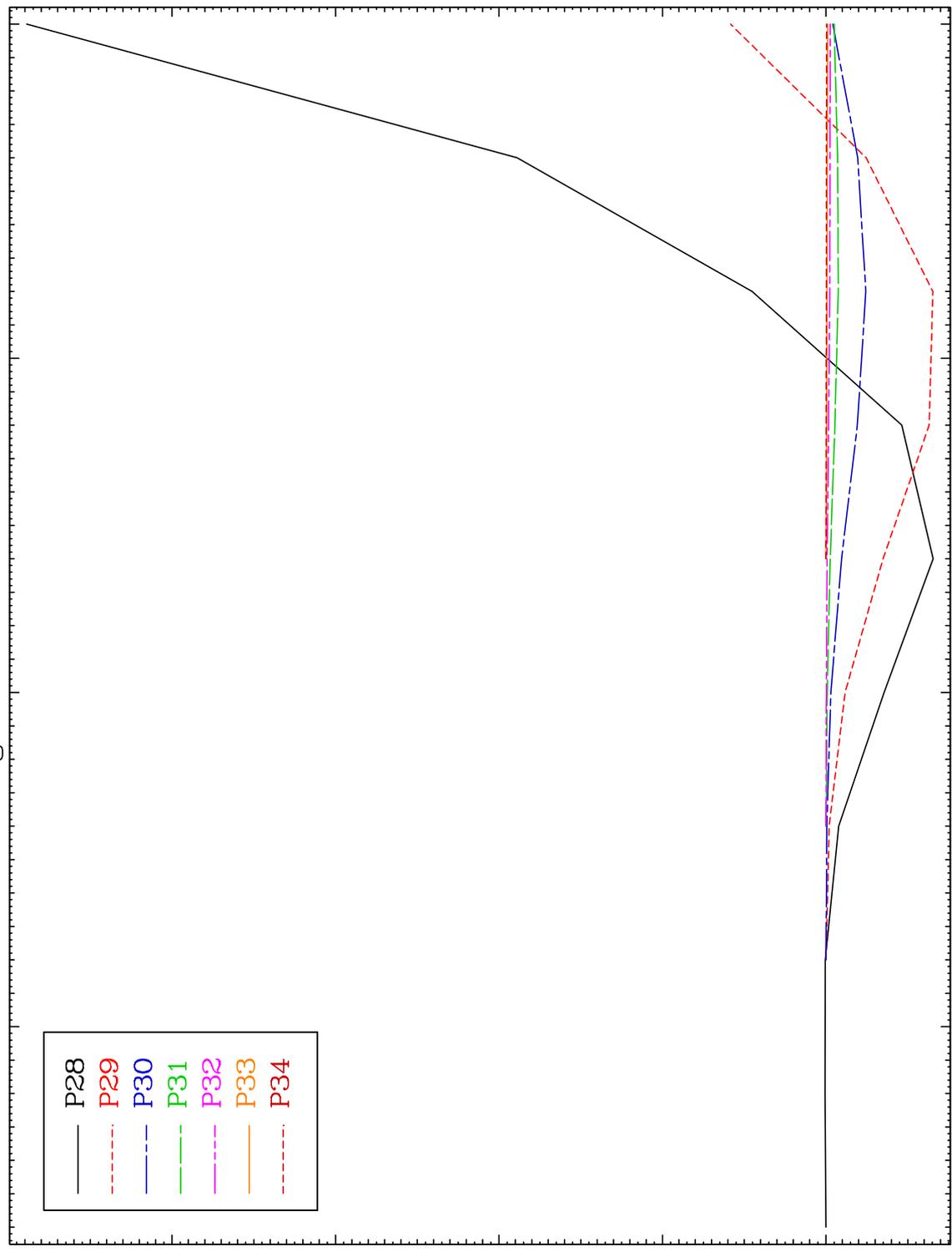
Elastic Legendre Coefficients

50-Sn-123



$\times 10^{-7}$

Legendre (CM)



19

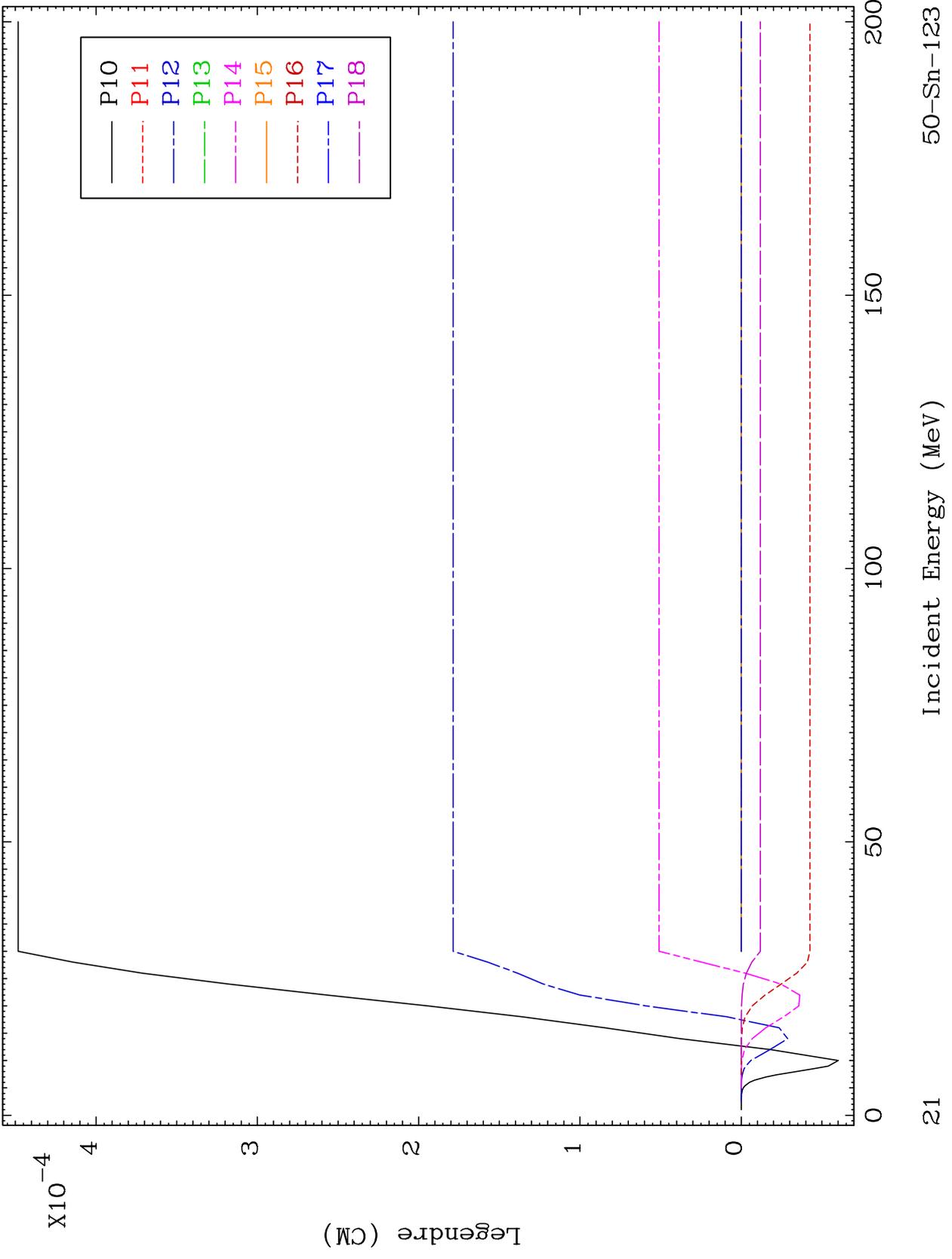
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

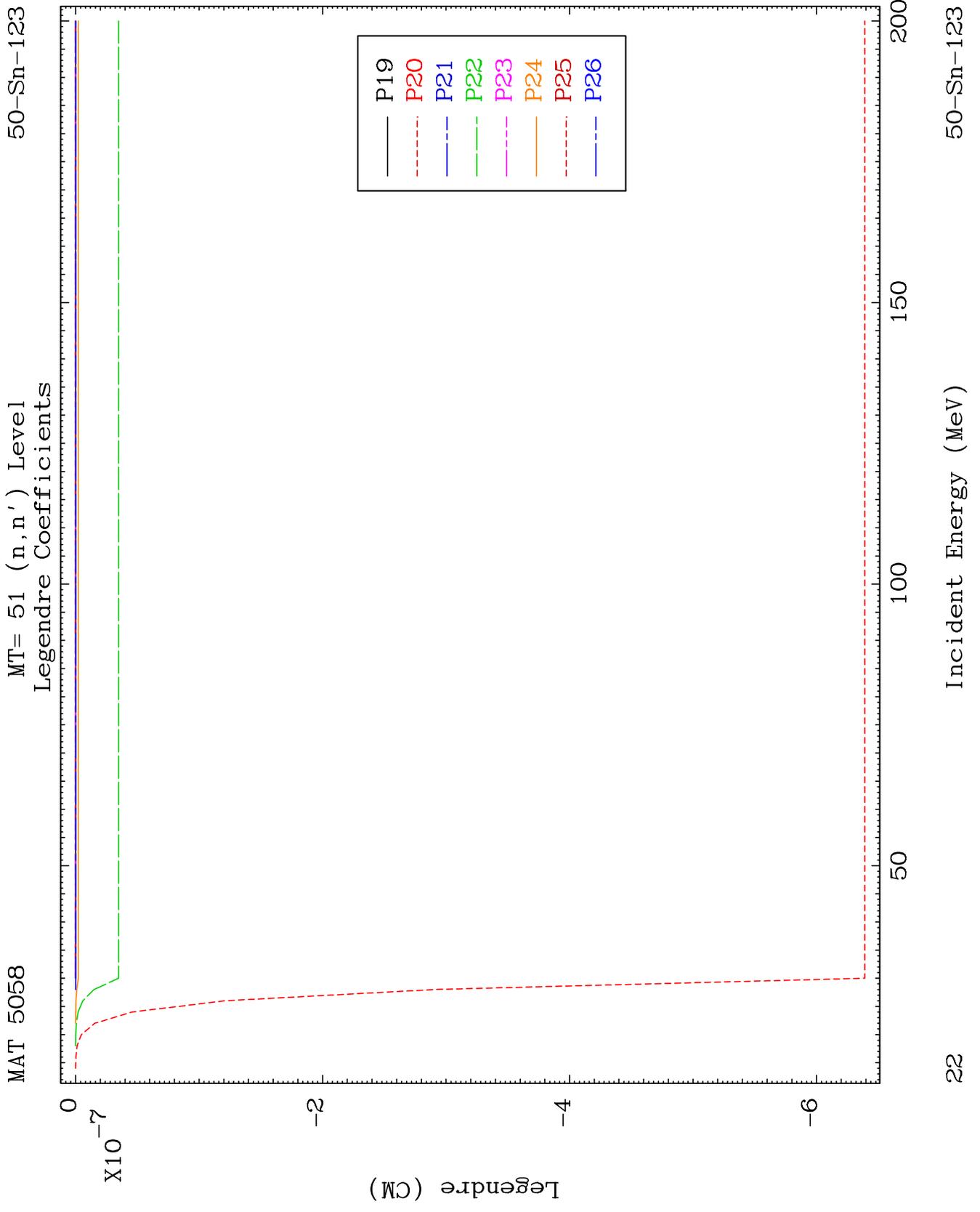
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21

Incident Energy (MeV)

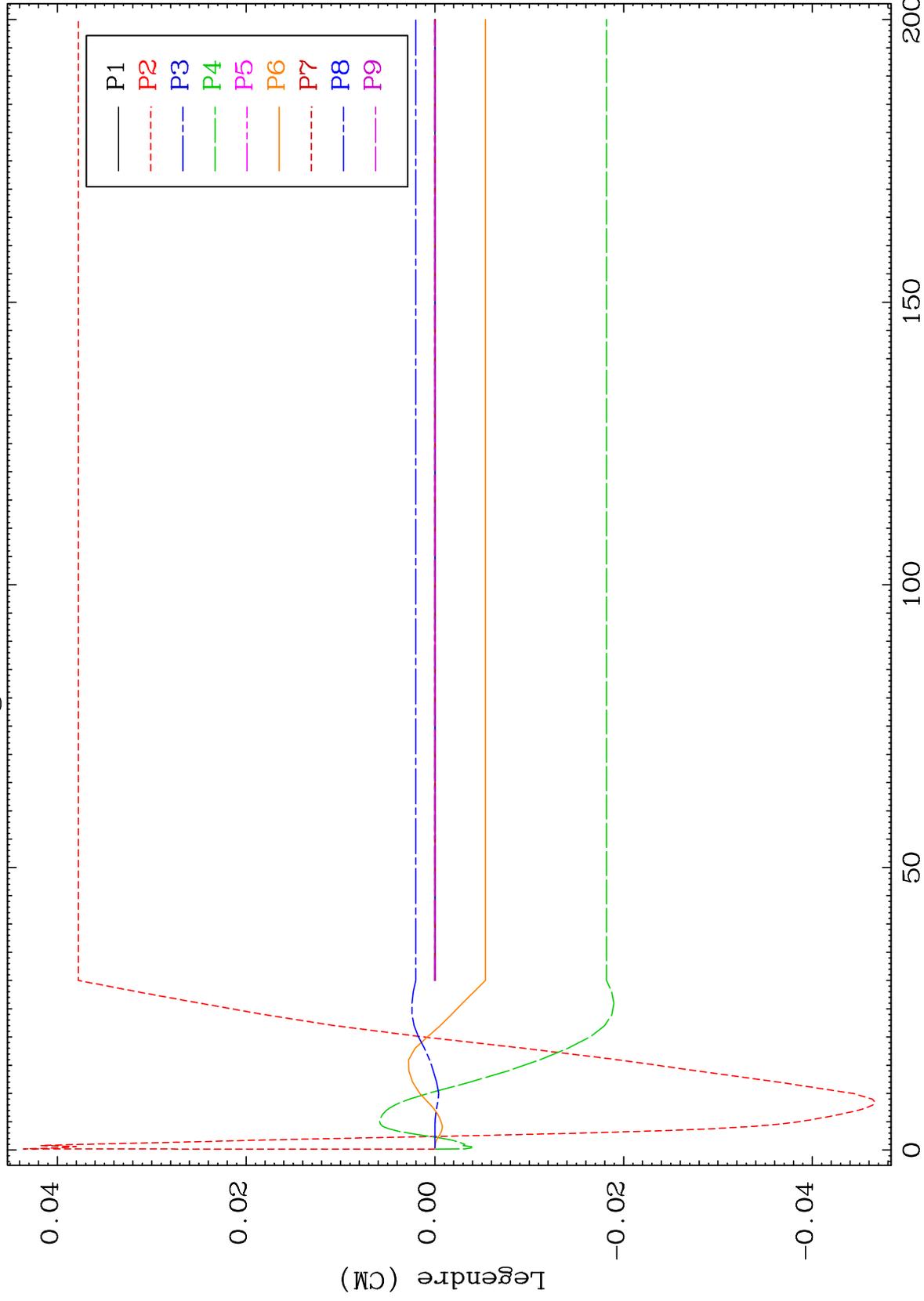
50-Sn-123



MAT 5058

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

50-Sn-123



50-Sn-123

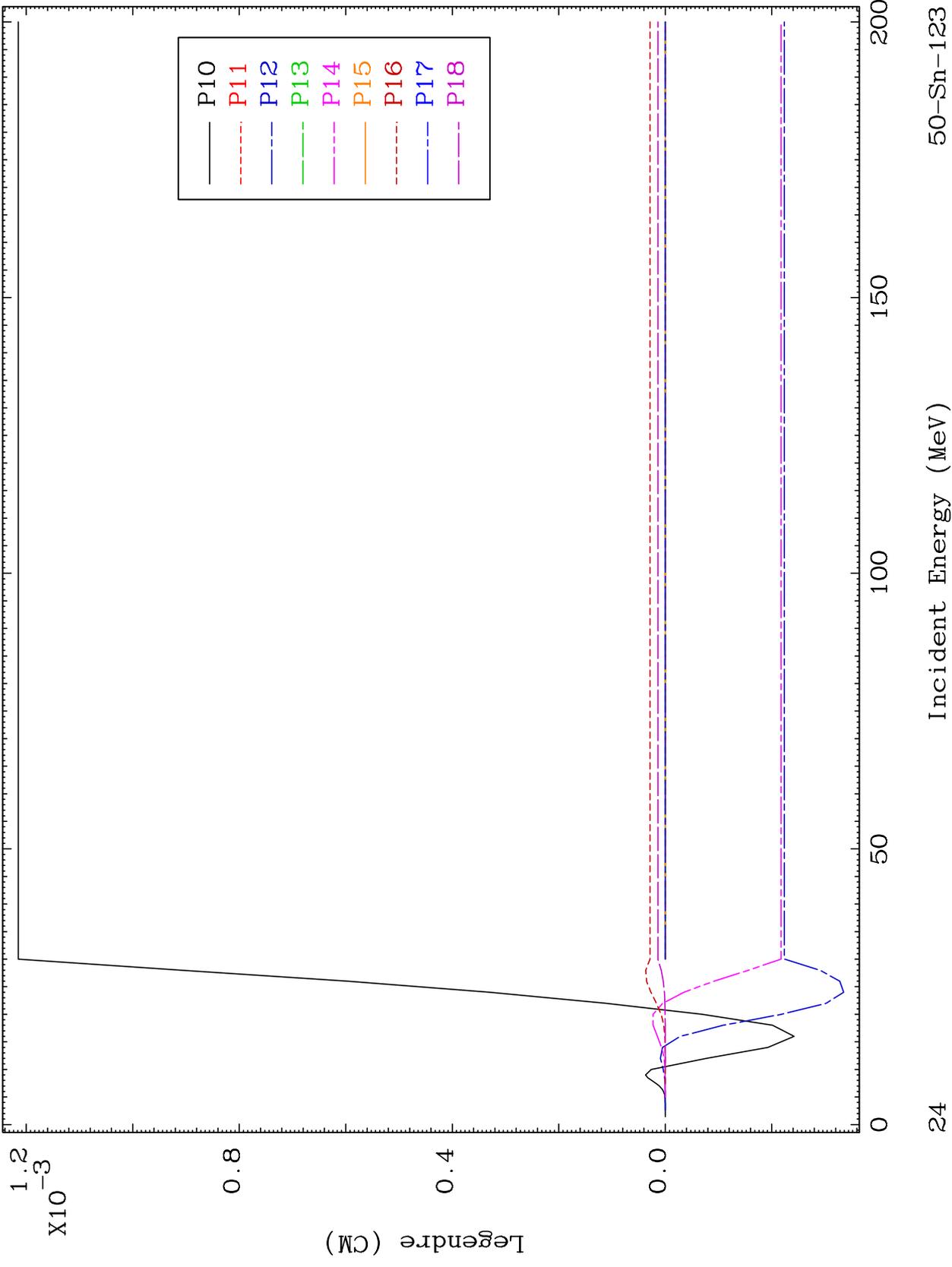
Incident Energy (MeV)

23

MAT 5058

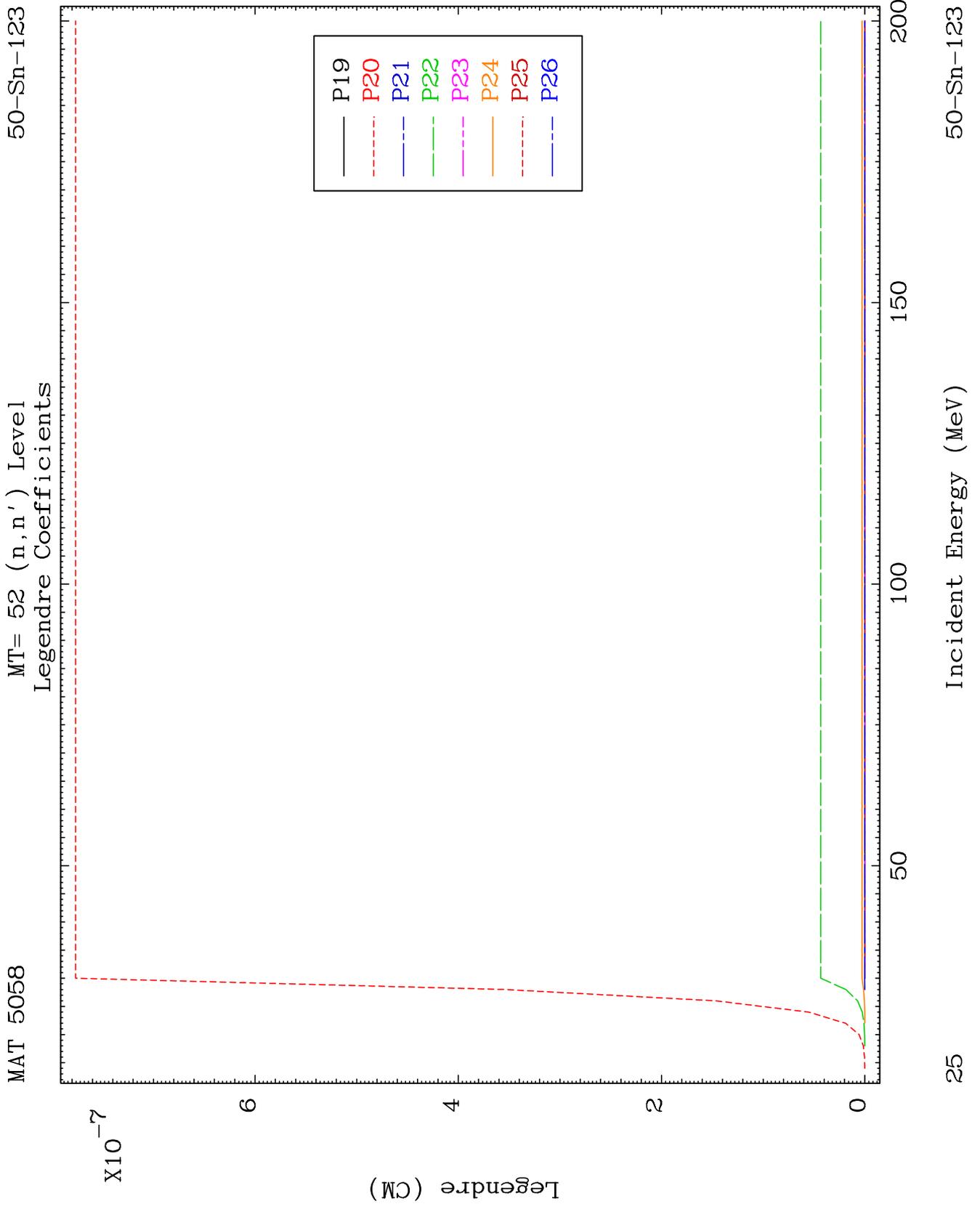
MT= 52 (n,n') Level
Legendre Coefficients

50-Sn-123



24

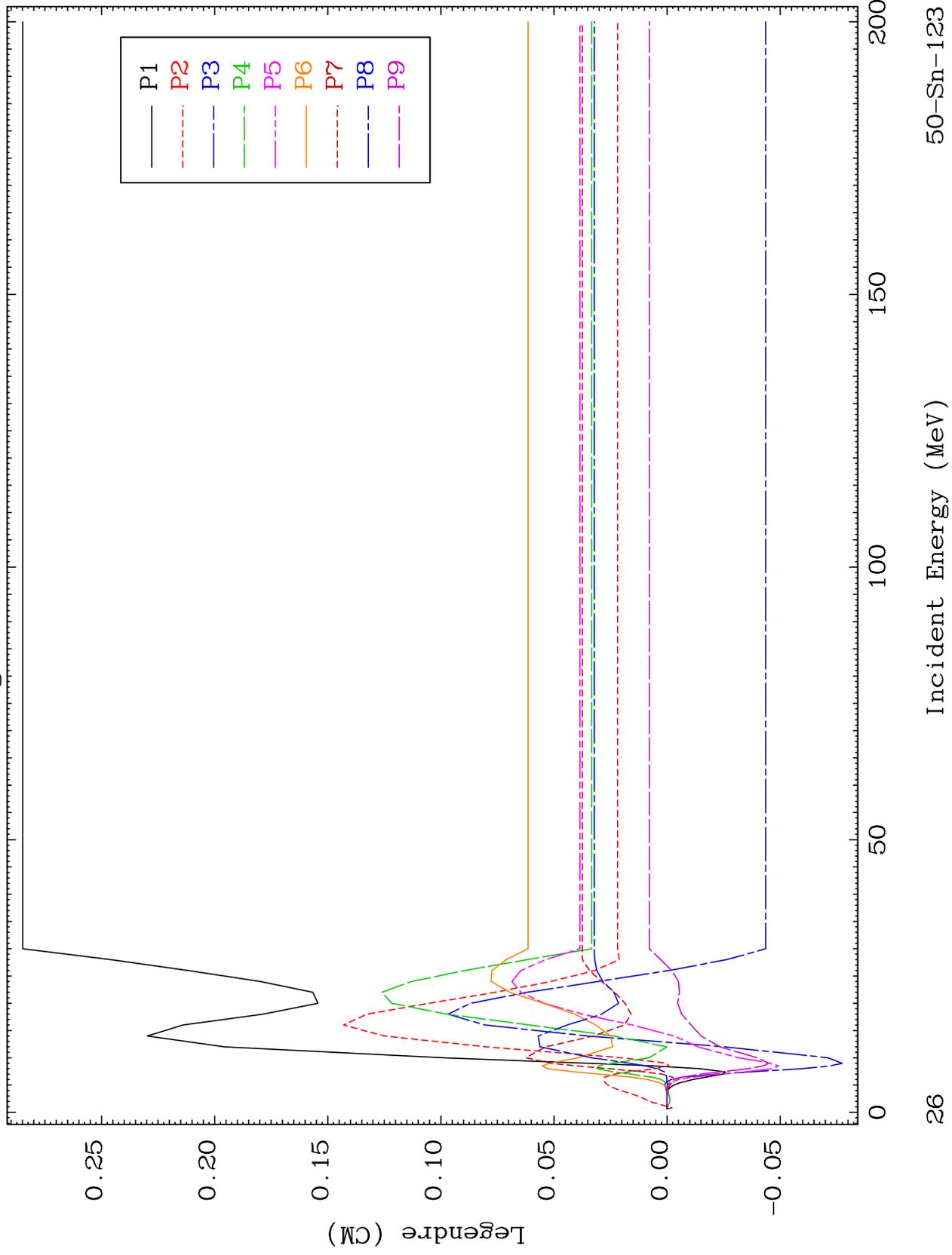
50-Sn-123



MAT 5058

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

50-Sn-123



26

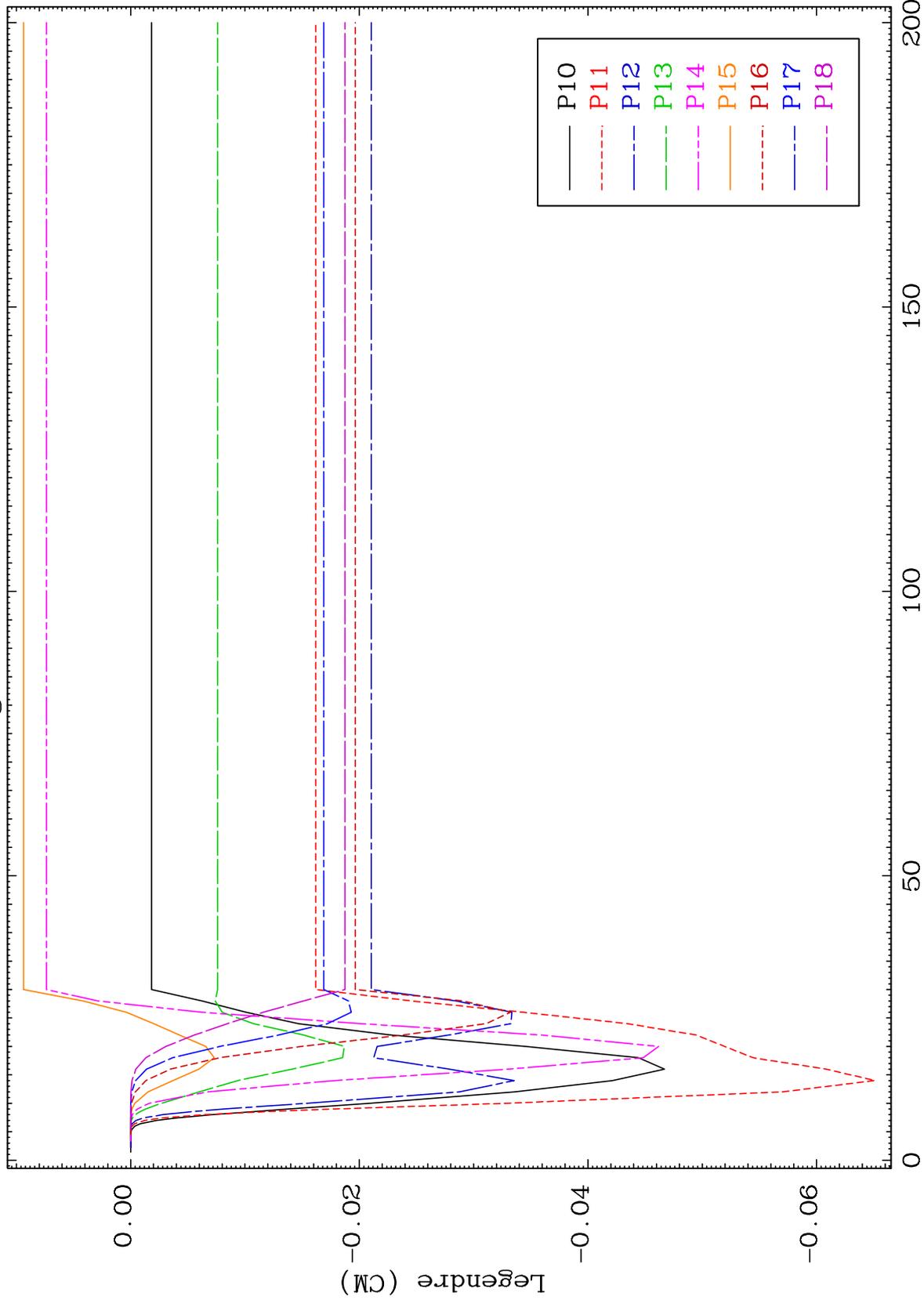
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

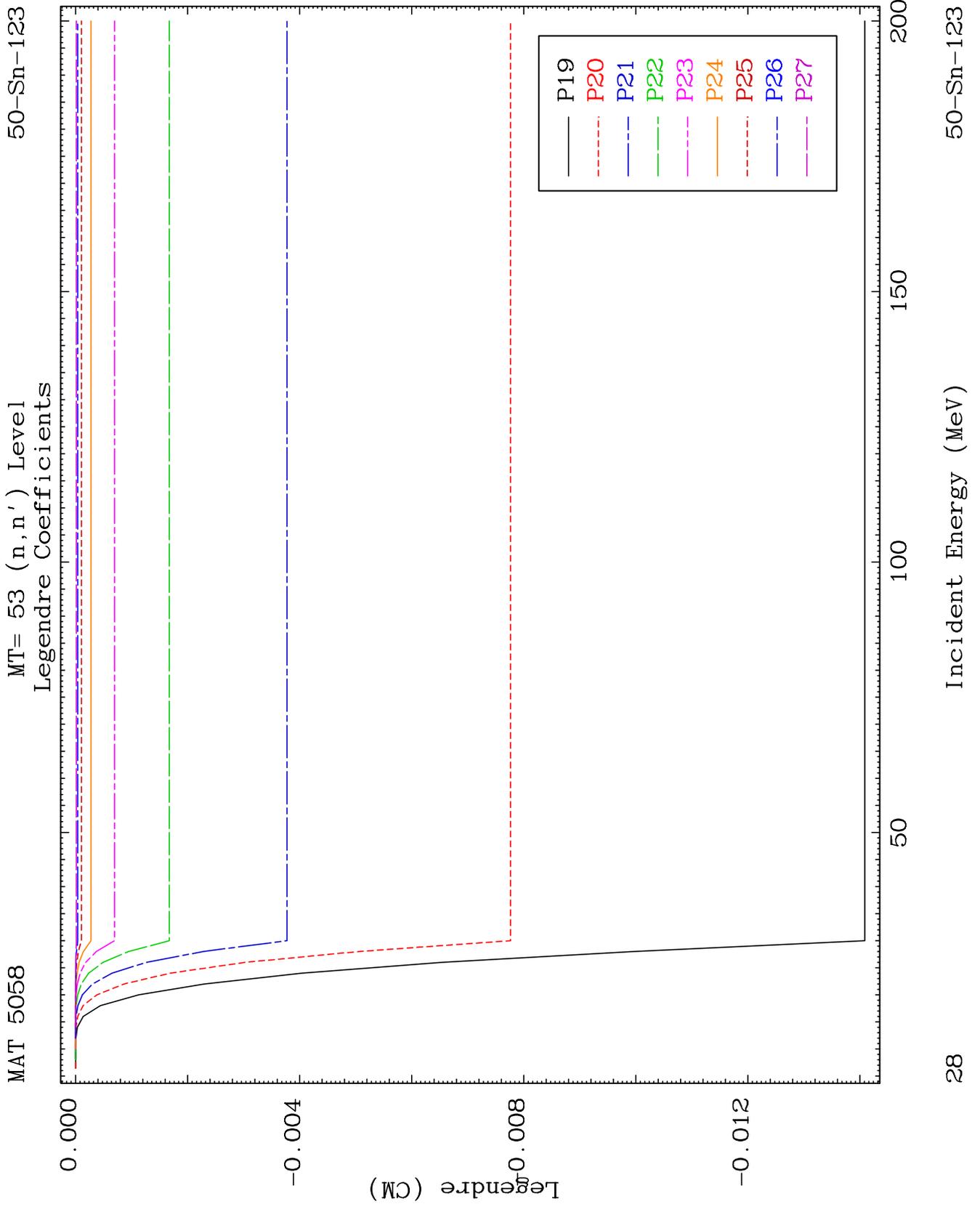
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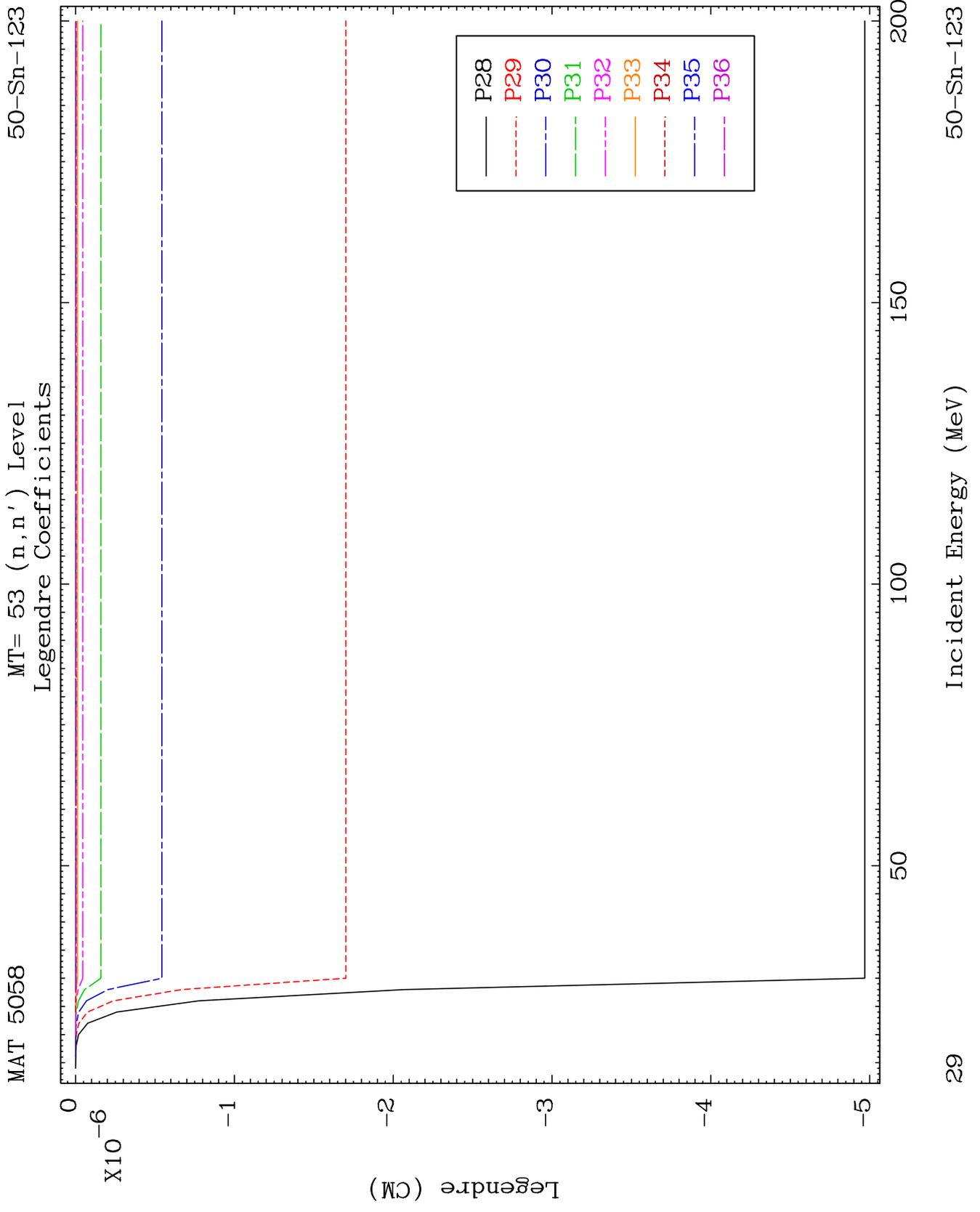


27

Incident Energy (MeV)

50-Sn-123

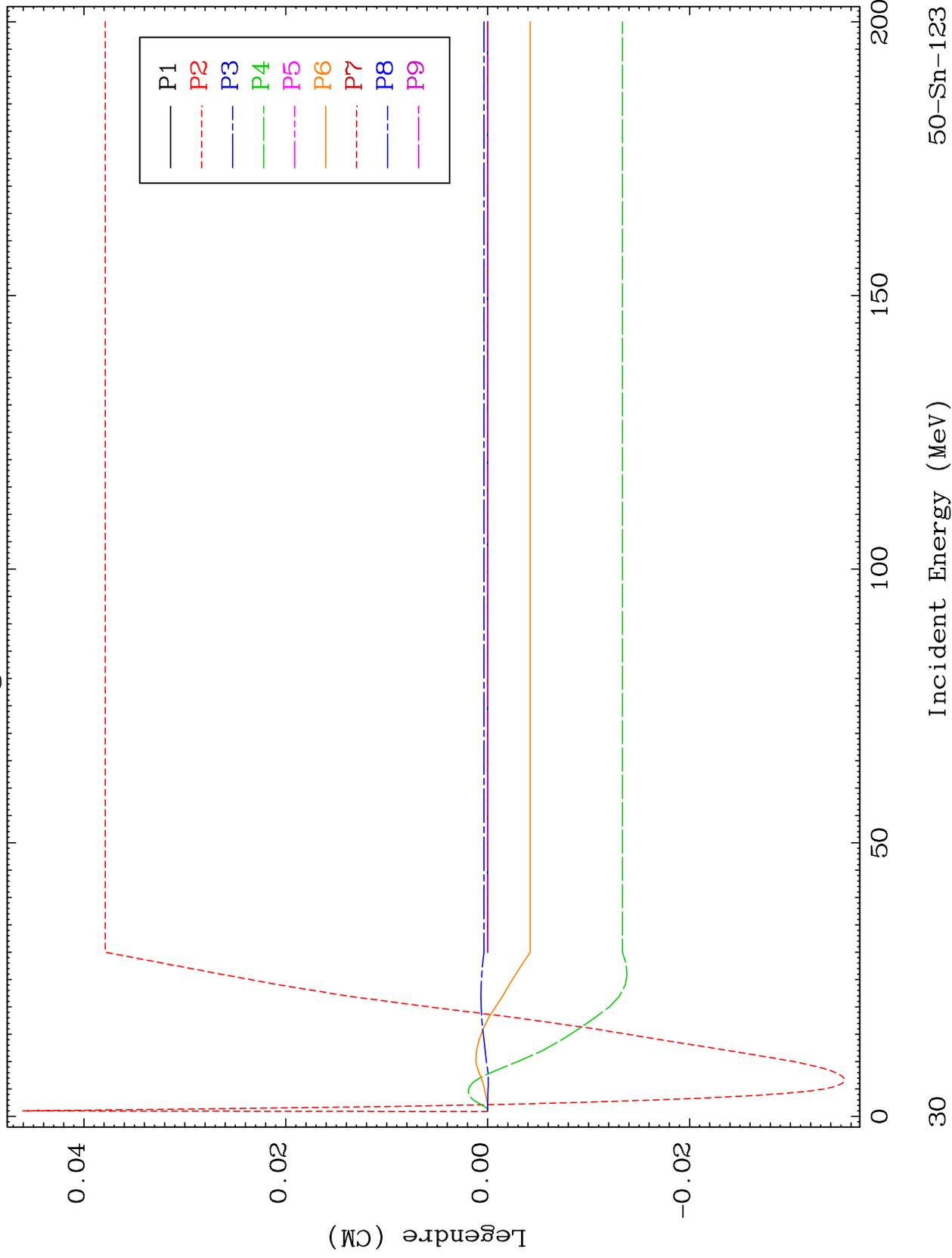




MAT 5058

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

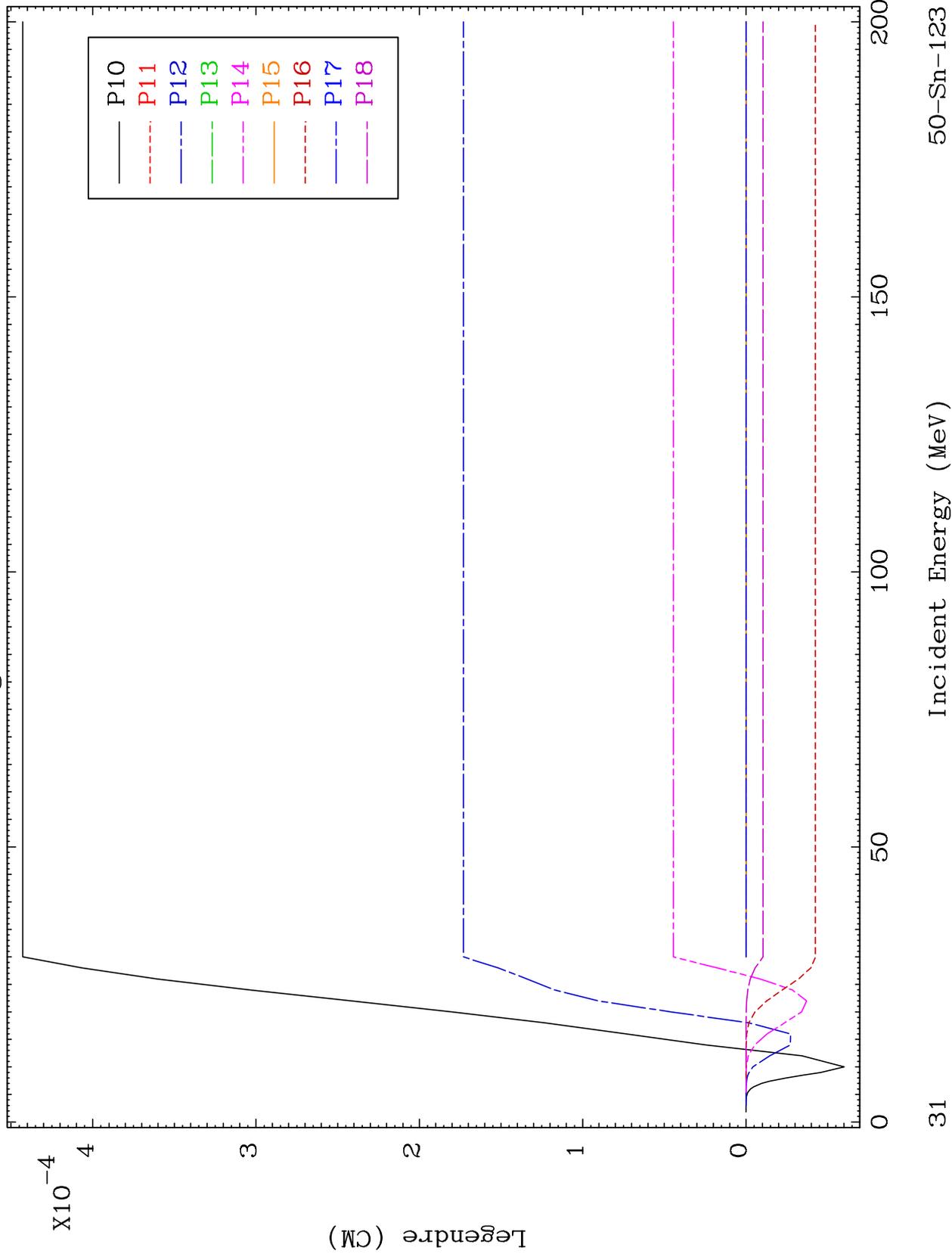
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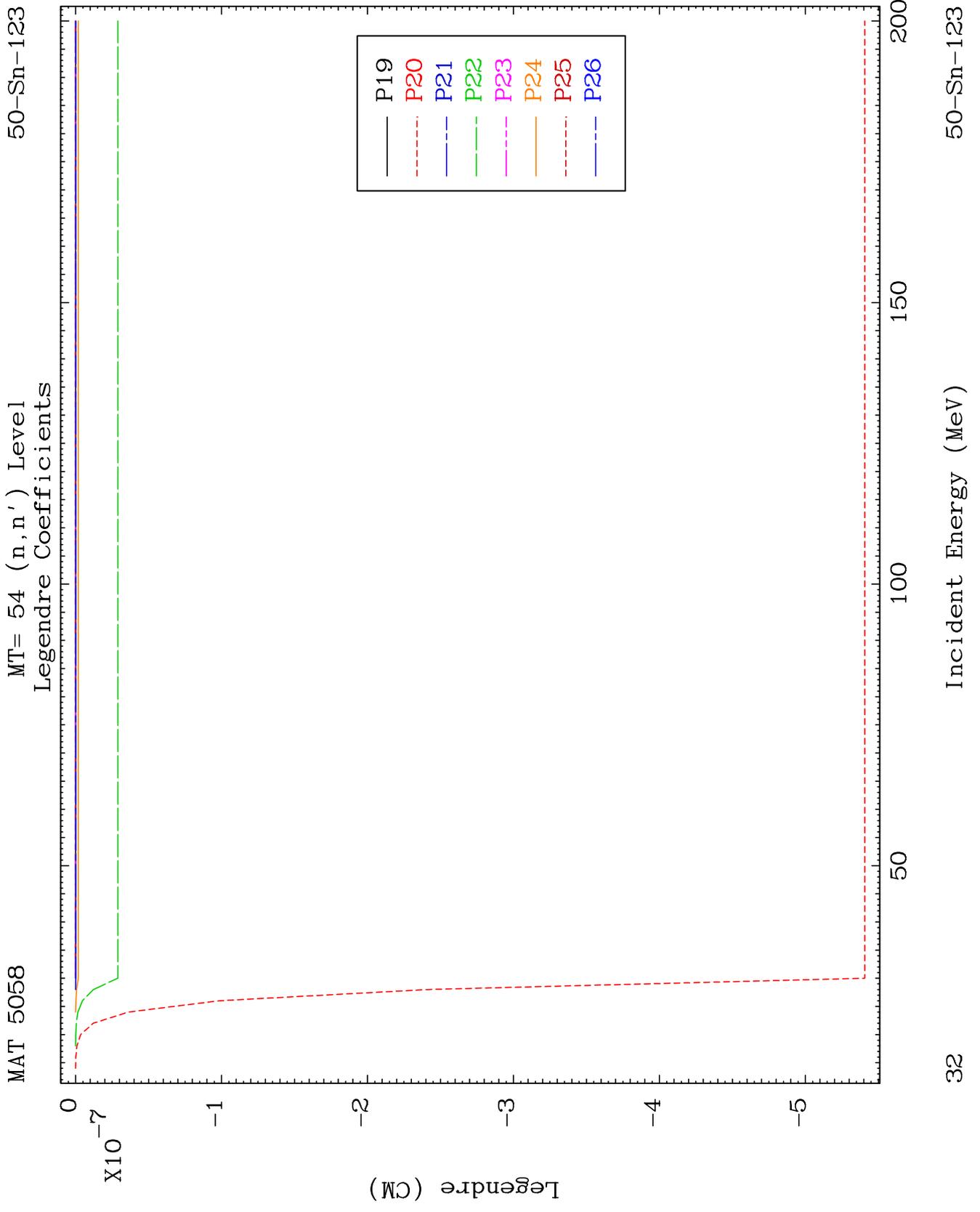


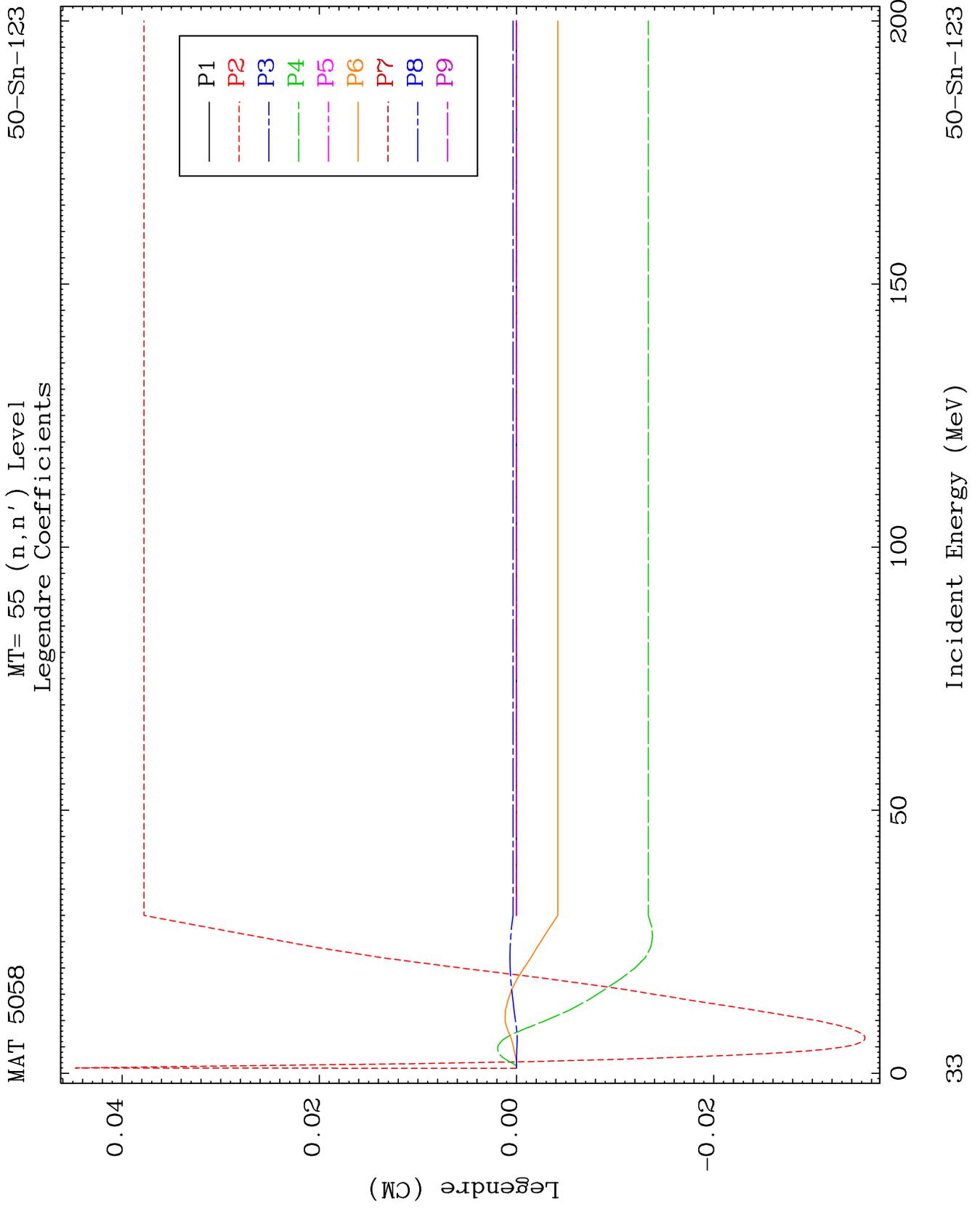
MAT 5058

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

50-Sn-123



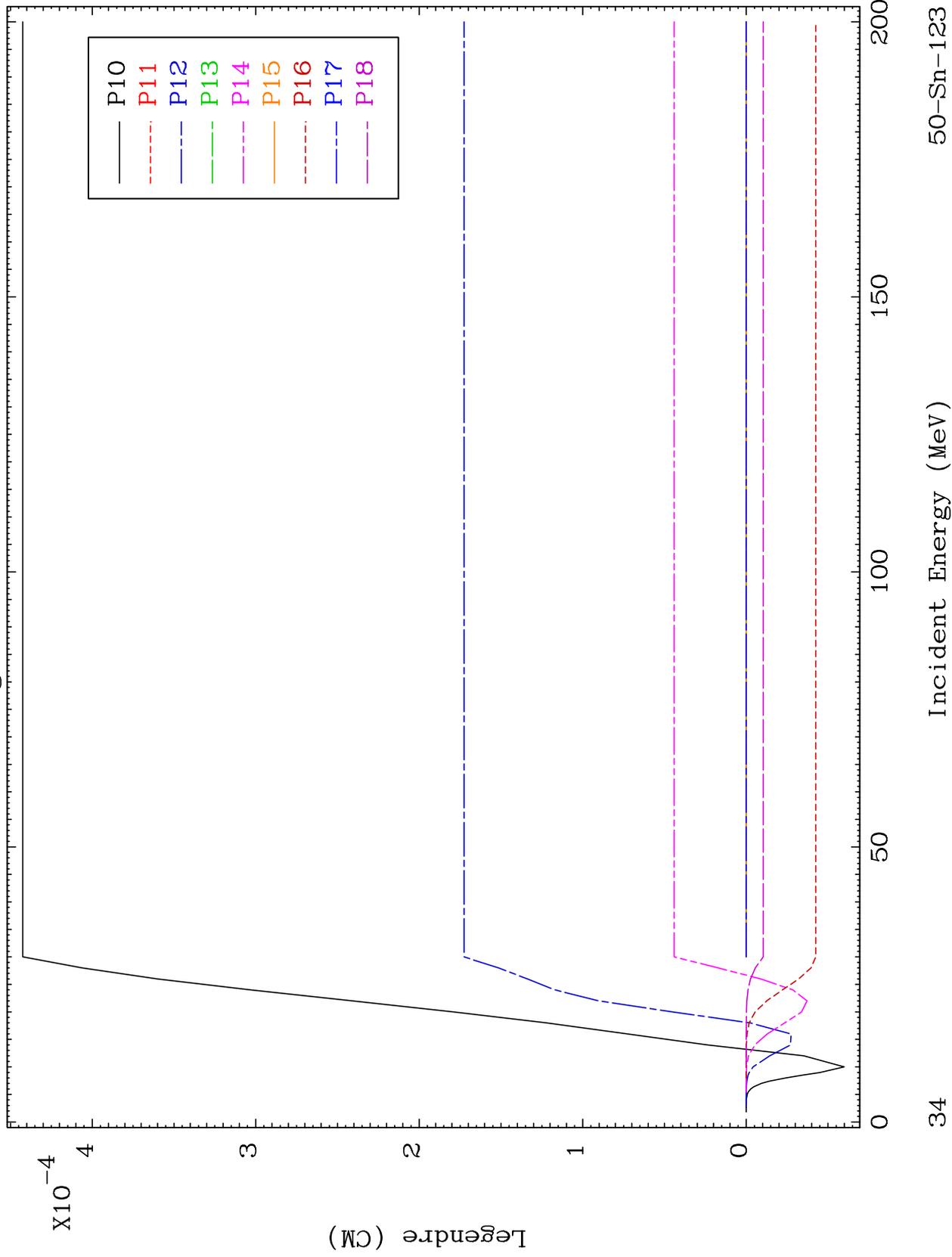


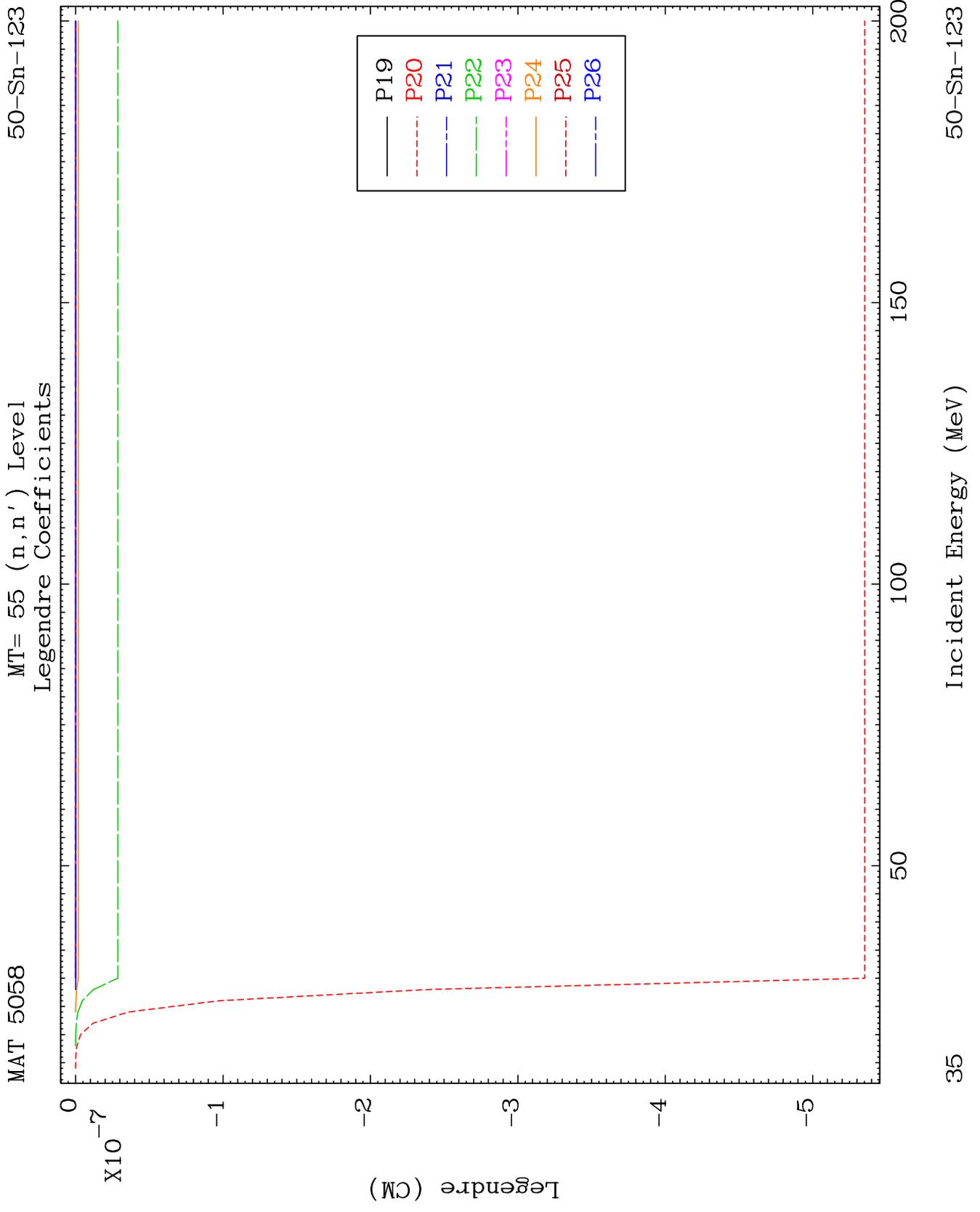


MAT 5058

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Legendre Coefficients

50-Sn-123

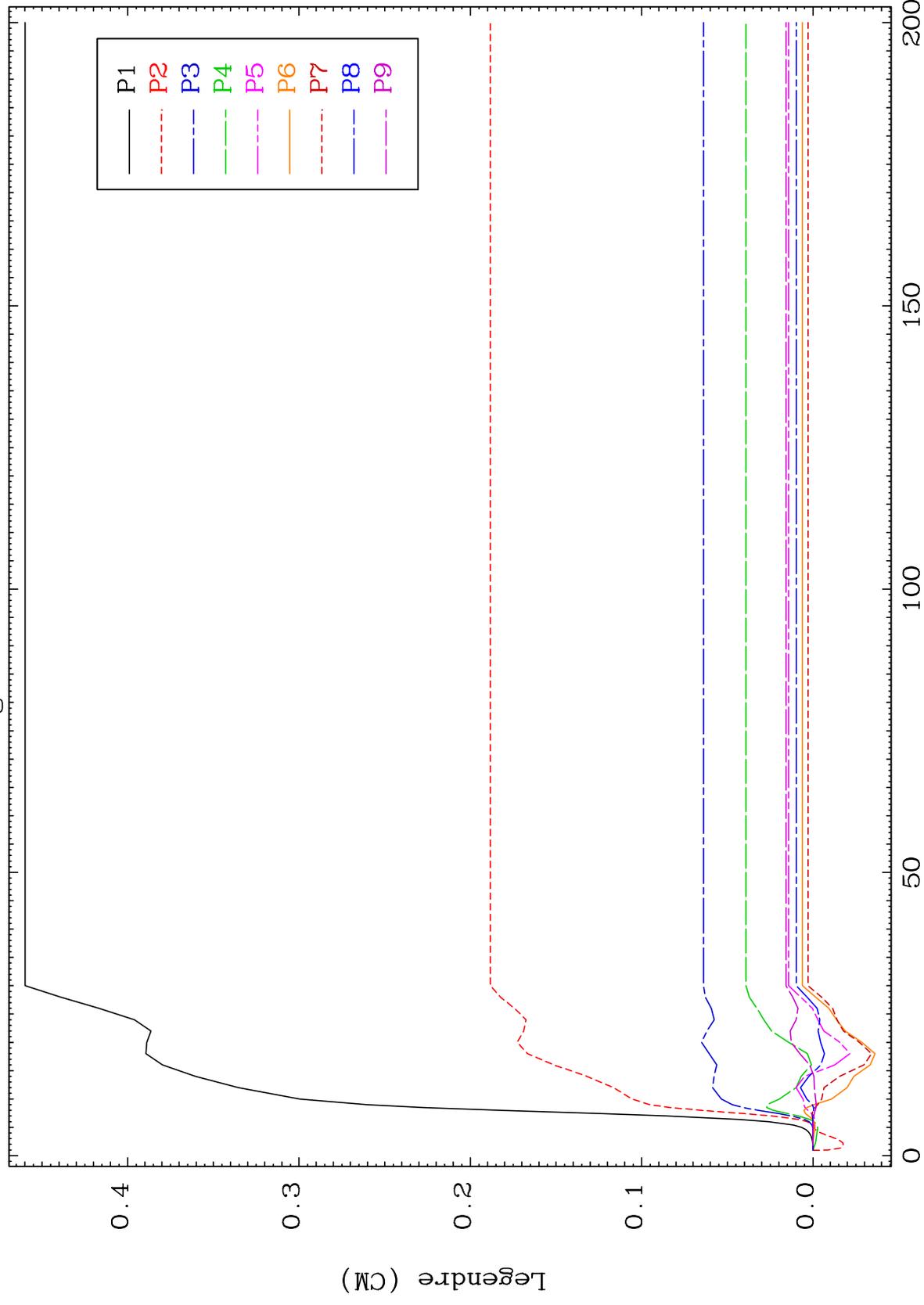




MAT 5058

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Legendre Coefficients

50-Sn-123



36

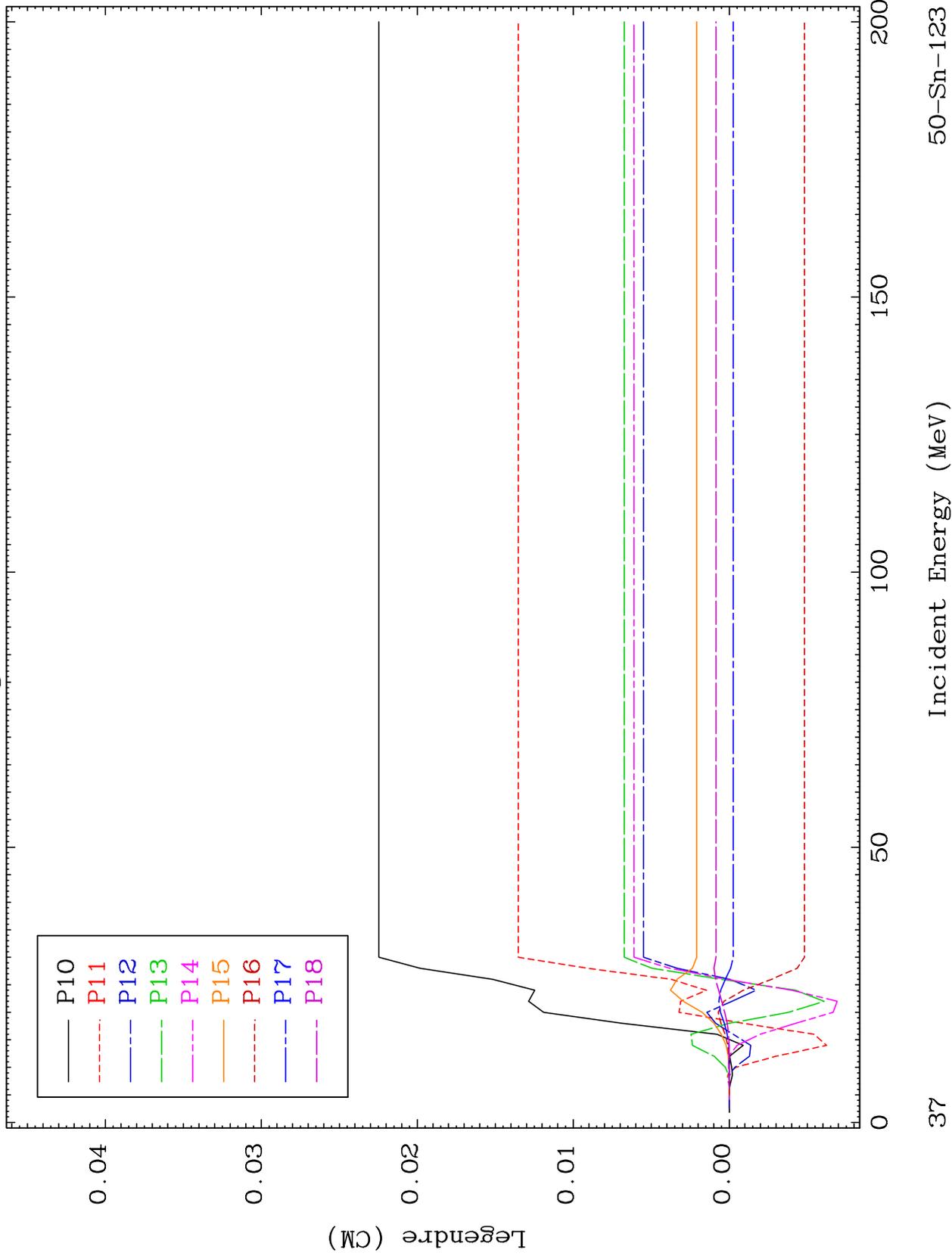
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

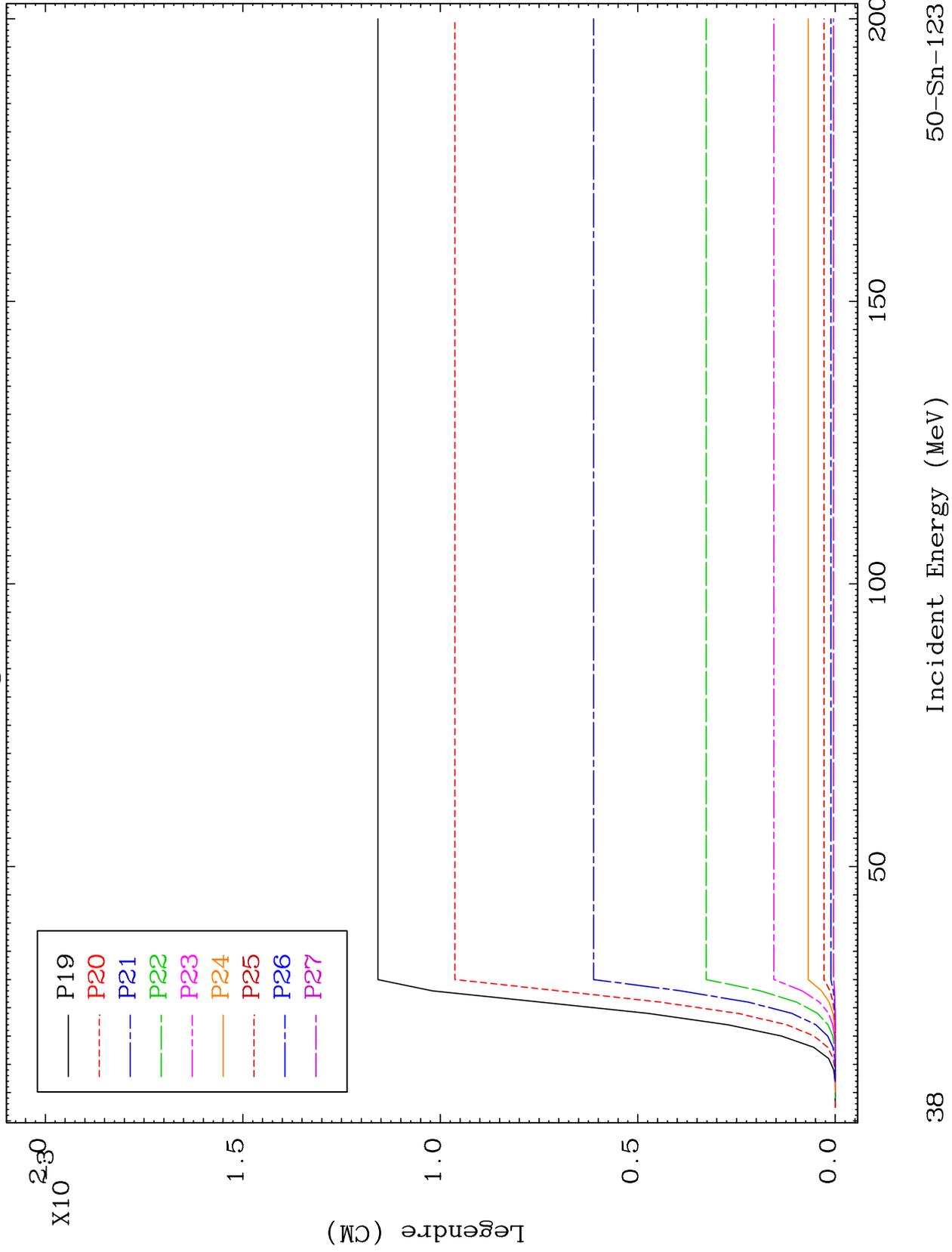
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MAT 5058

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

50-Sn-123

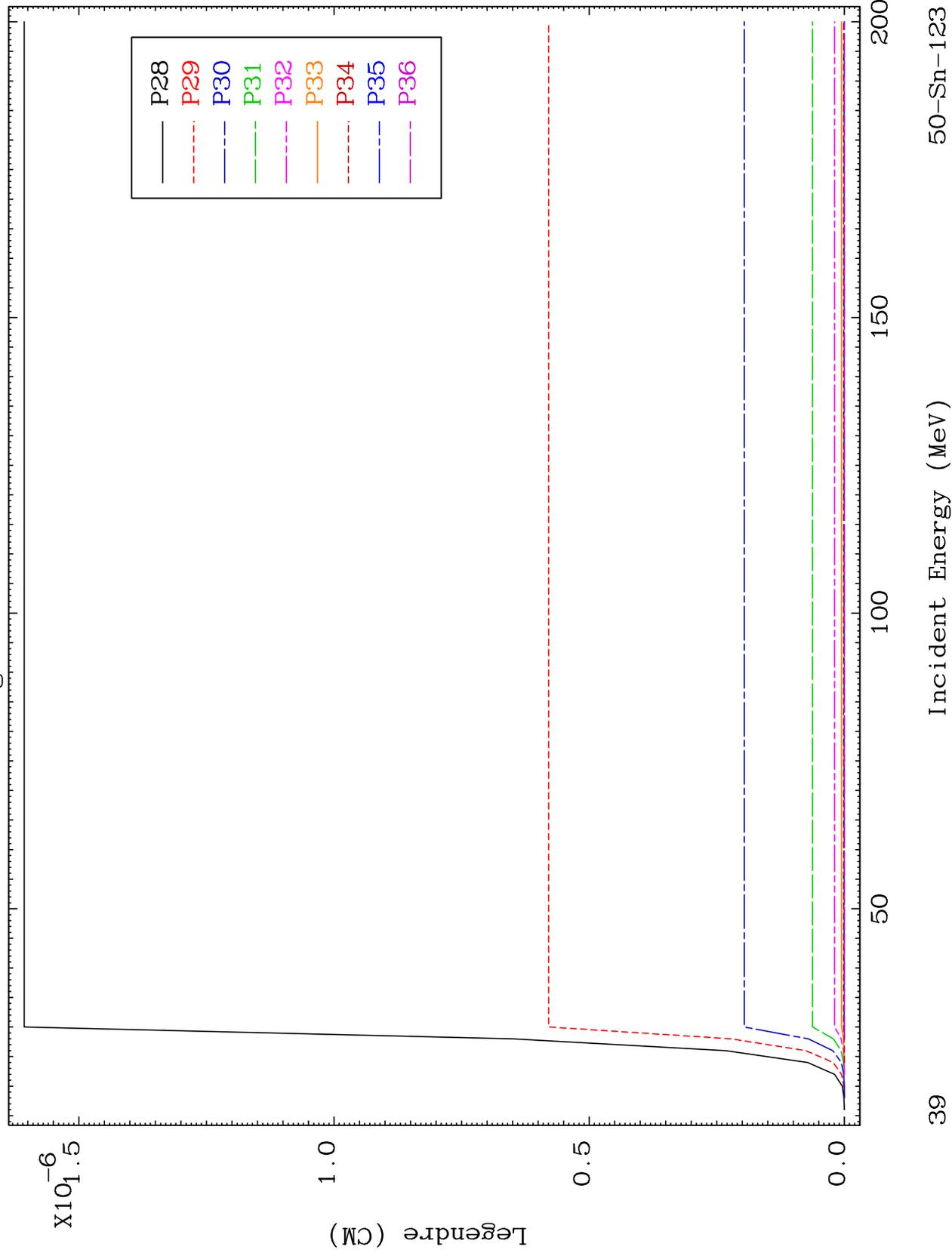


38

MAT 5058

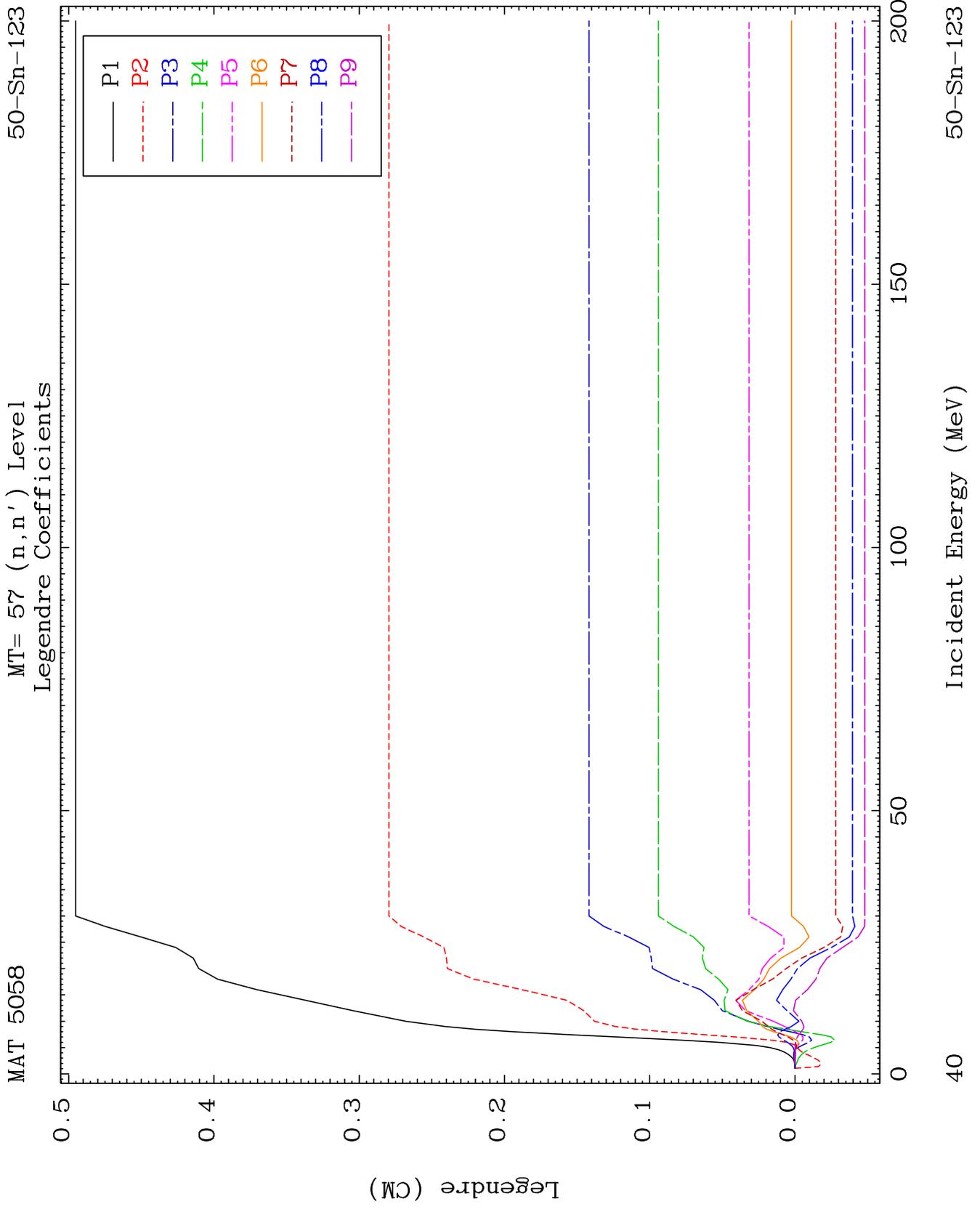
MT= 56 (n,n') Level
Legendre Coefficients

50-Sn-123



39

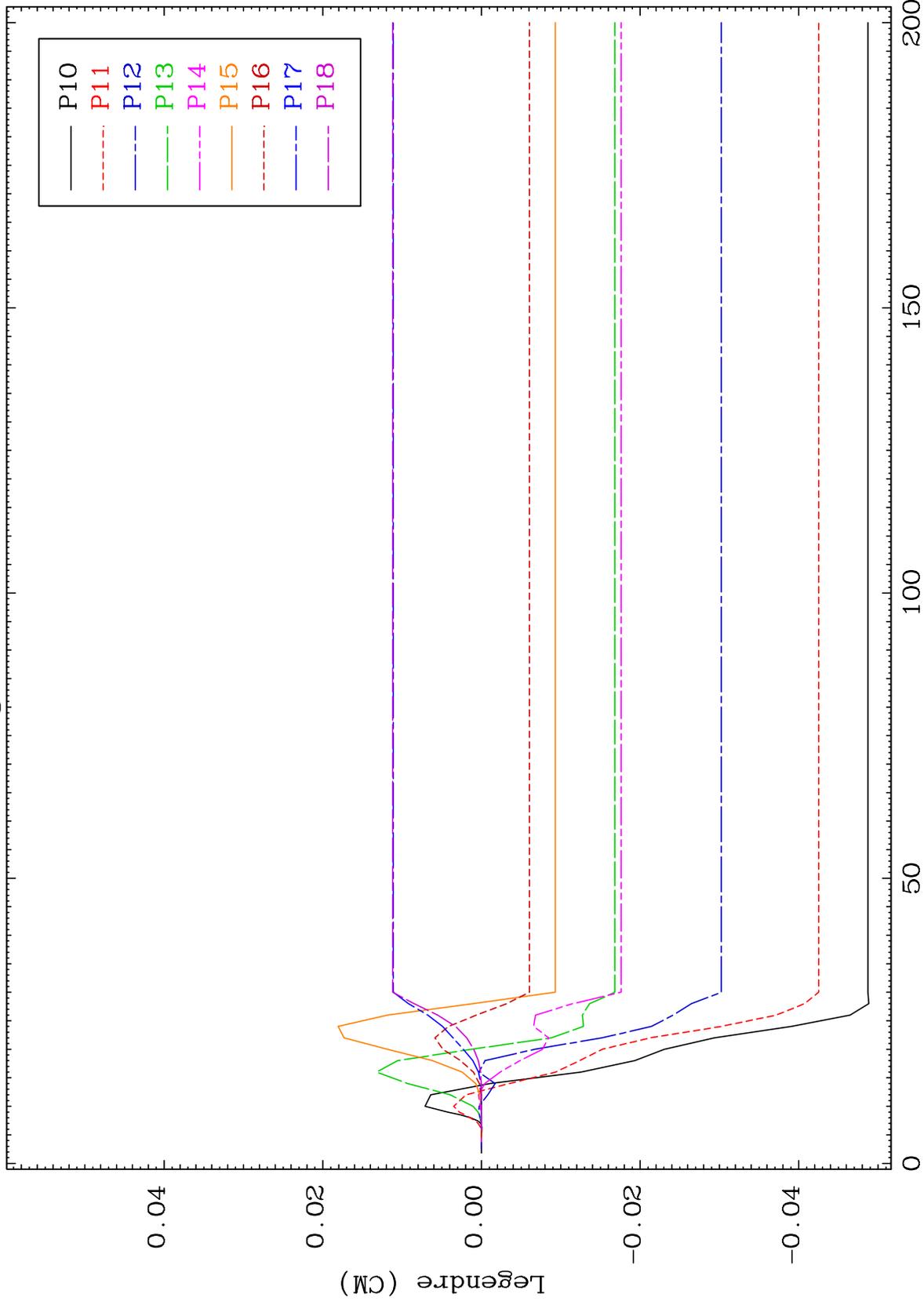
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MAT 5058

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

50-Sn-123



41

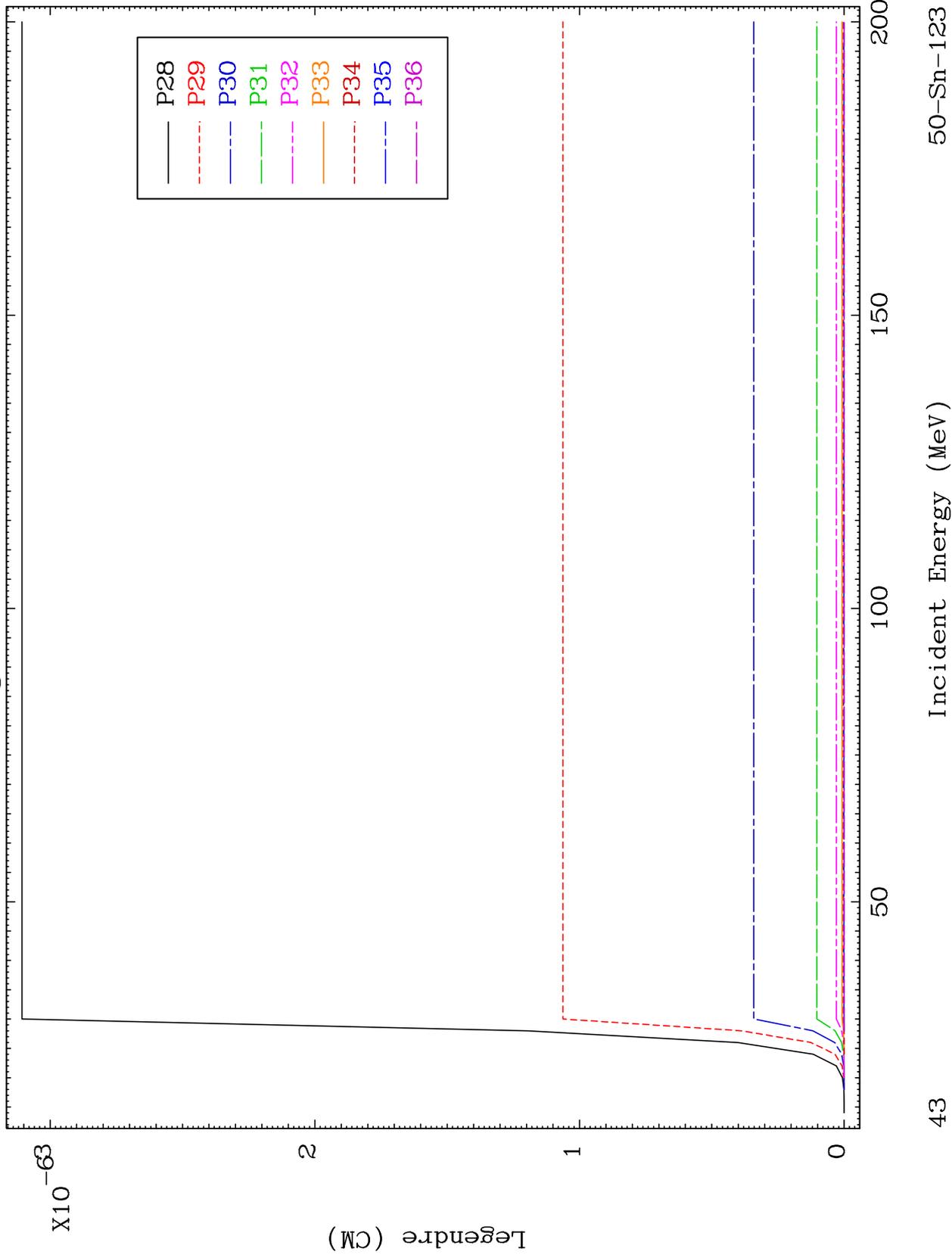
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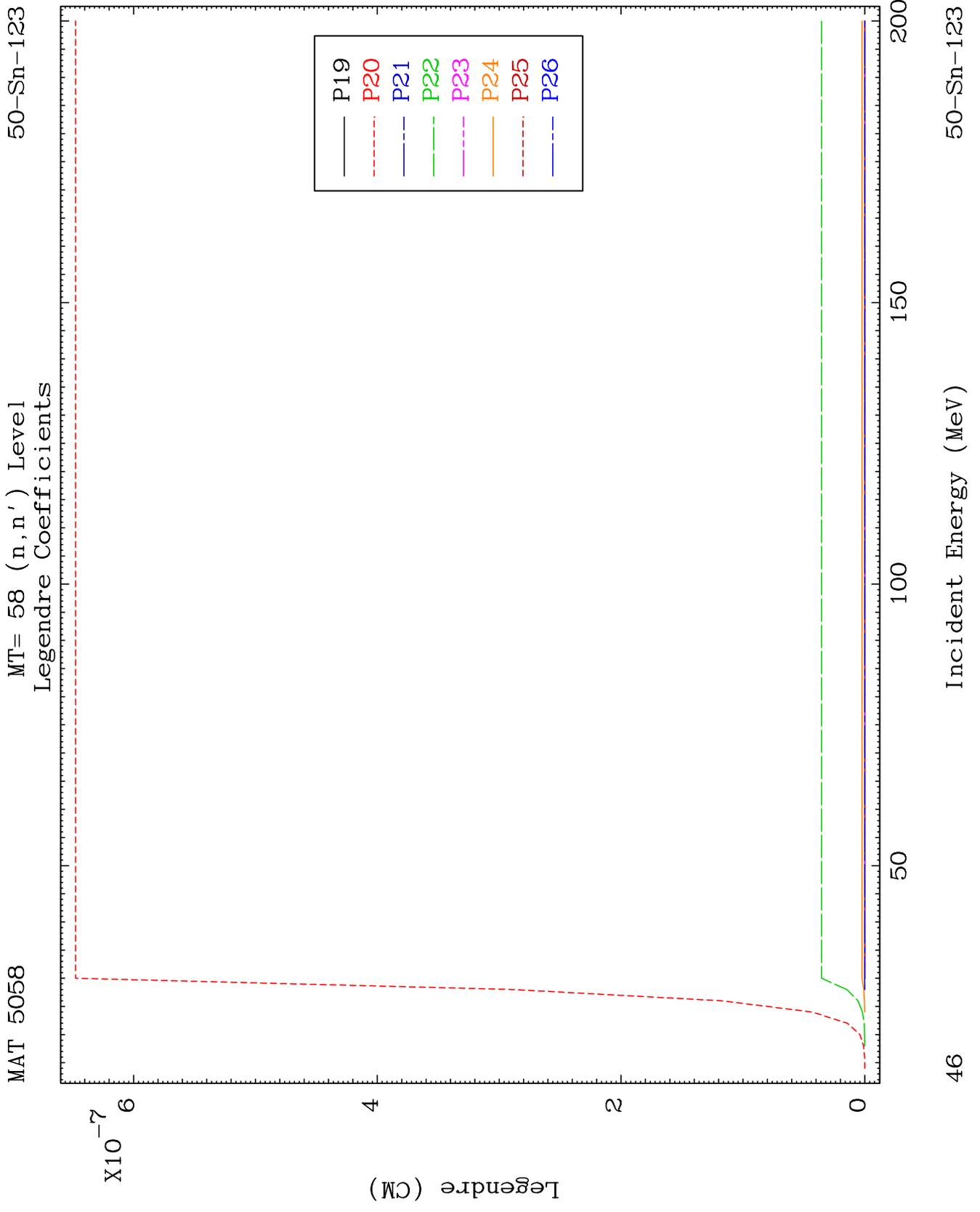
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MAT 5058

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

50-Sn-123

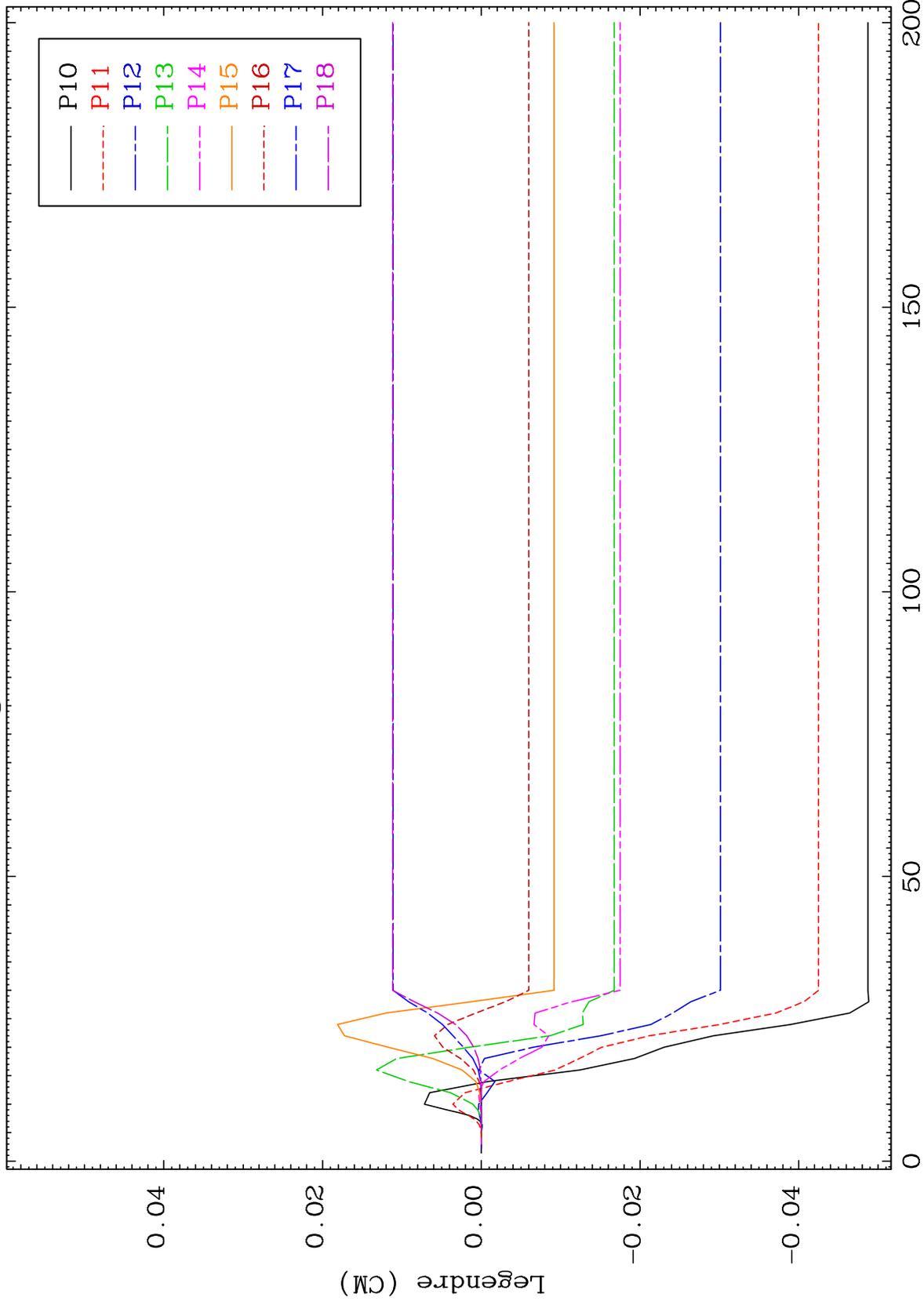




MAT 5058

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

50-Sn-123



48

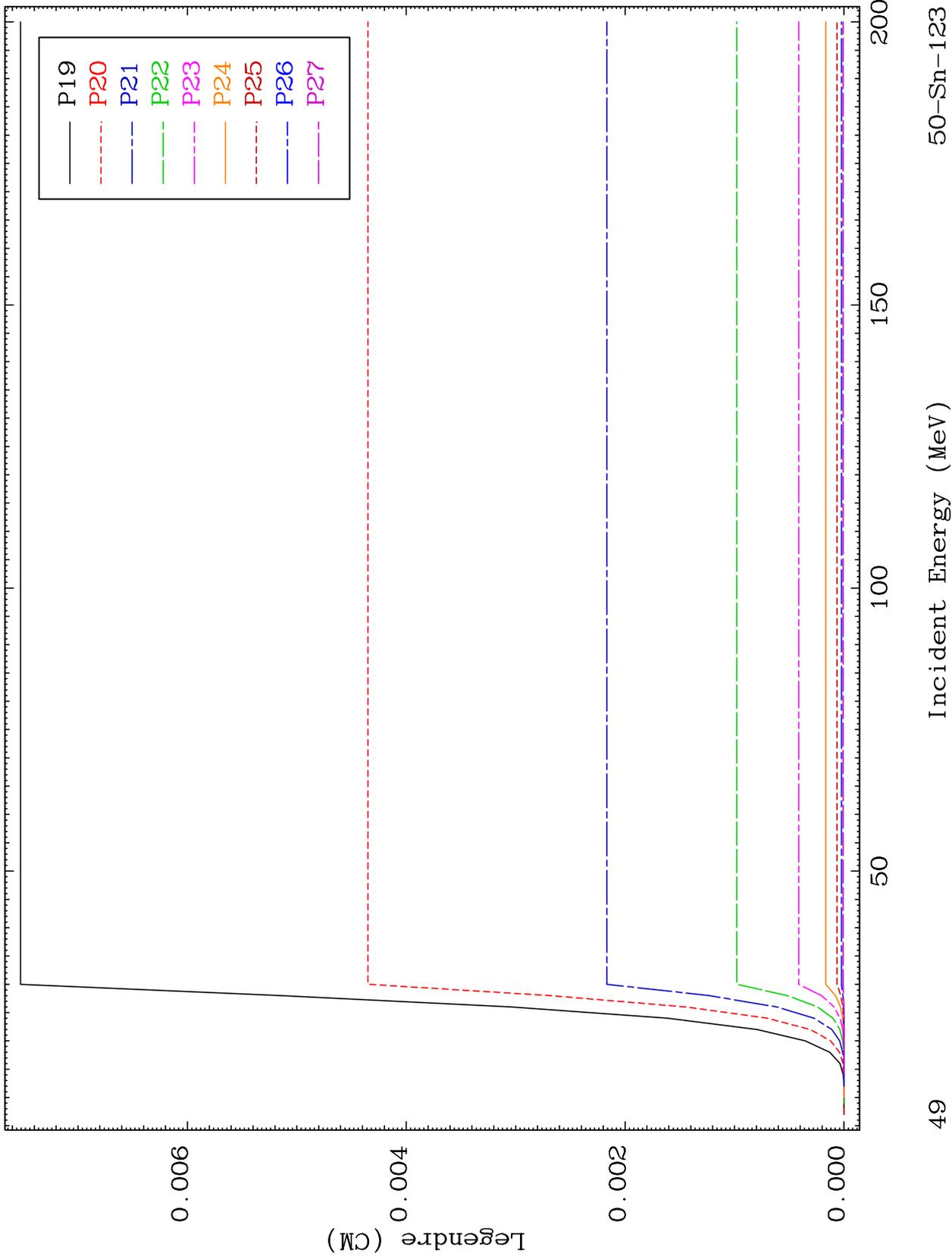
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



49

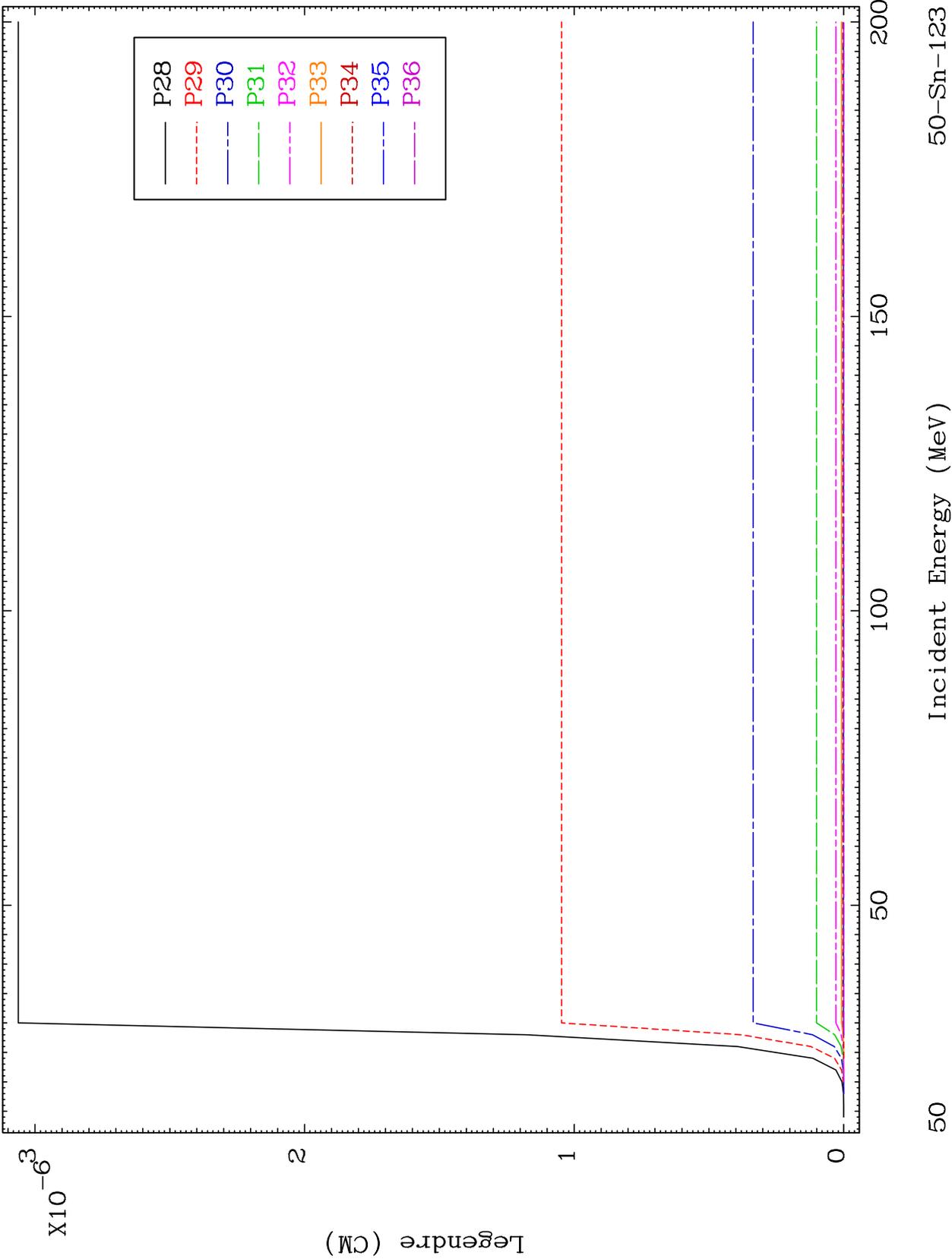
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

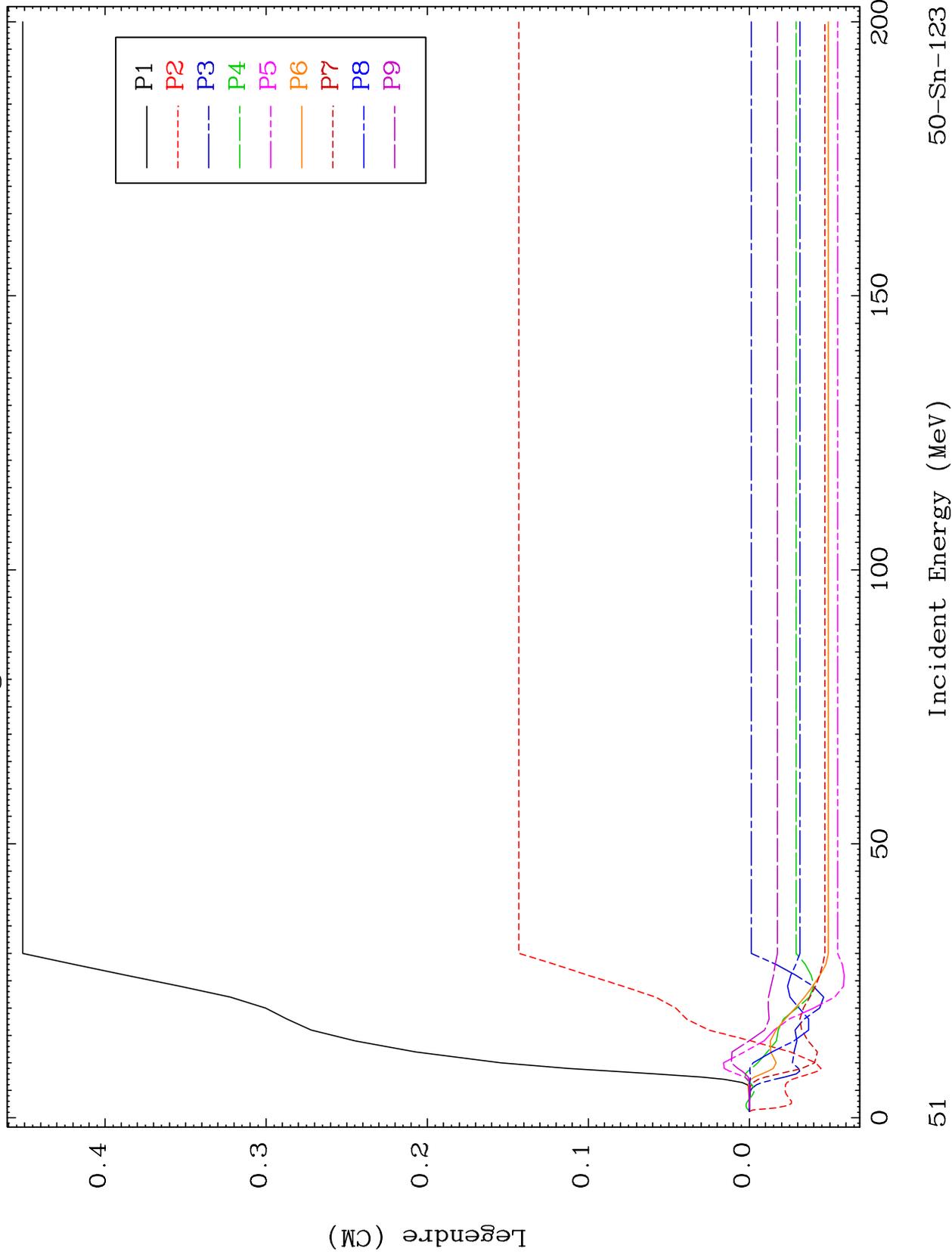
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MAT 5058

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

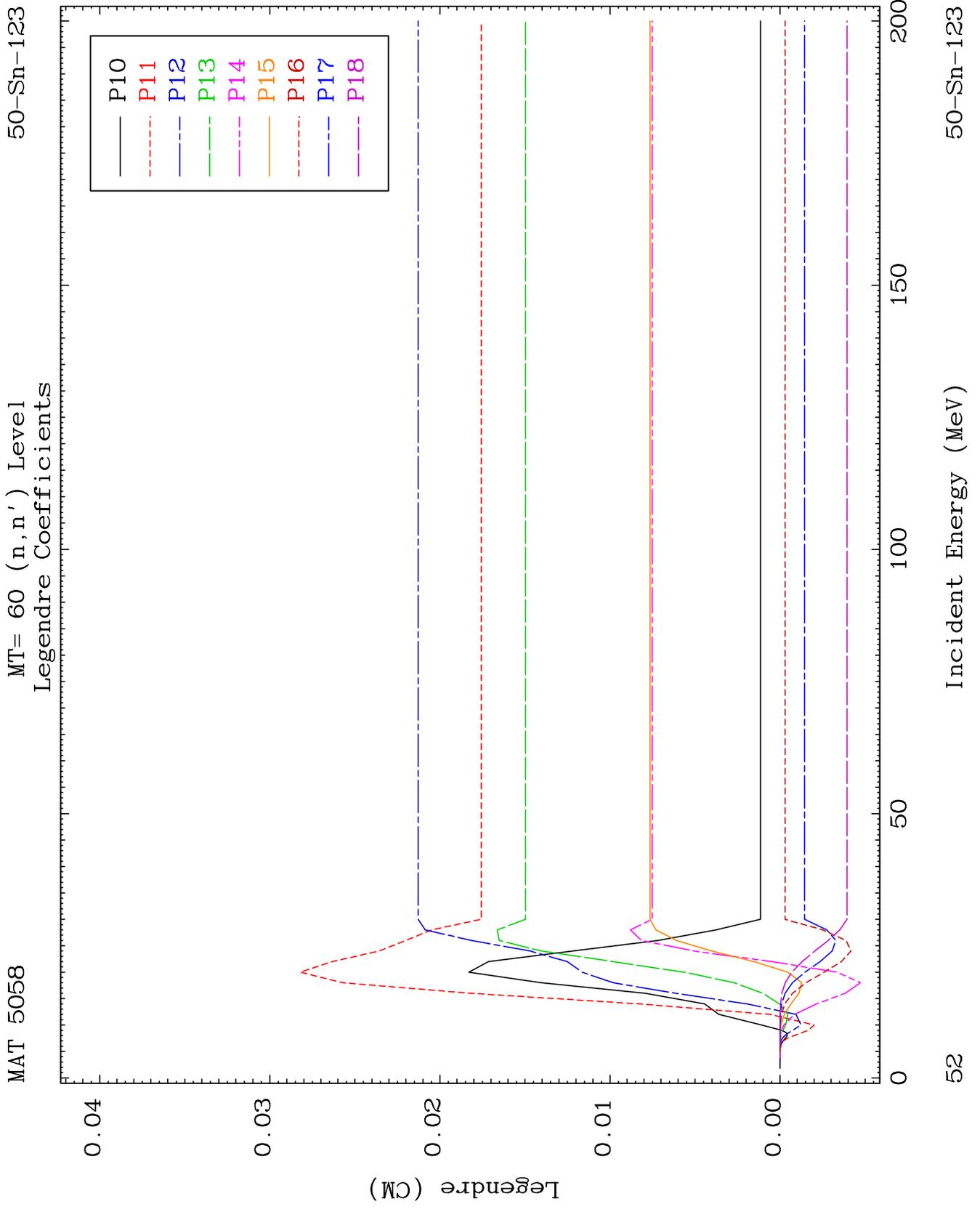
50-Sn-123



51

Incident Energy (MeV)

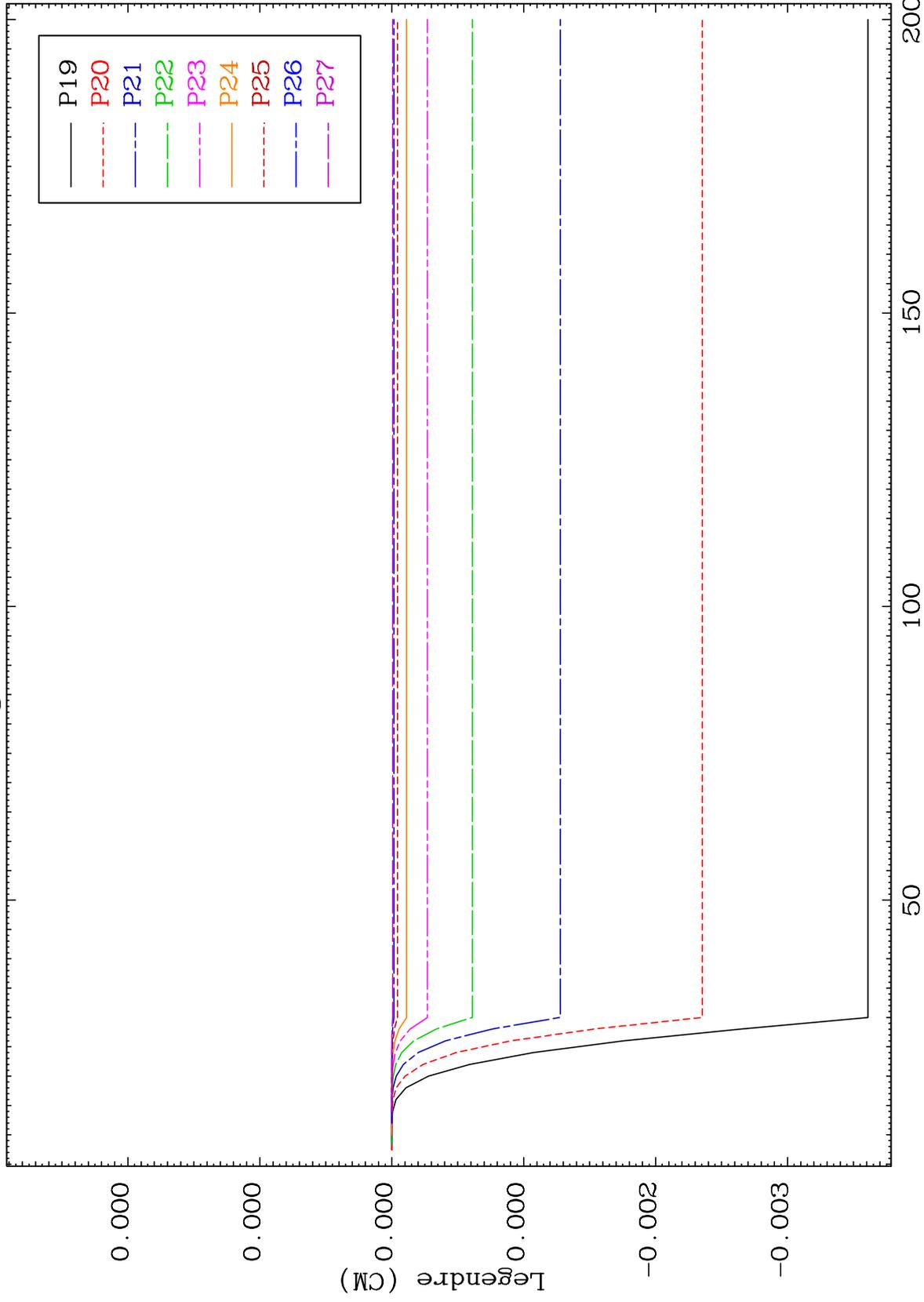
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MAT 5058

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

50-Sn-123



50-Sn-123

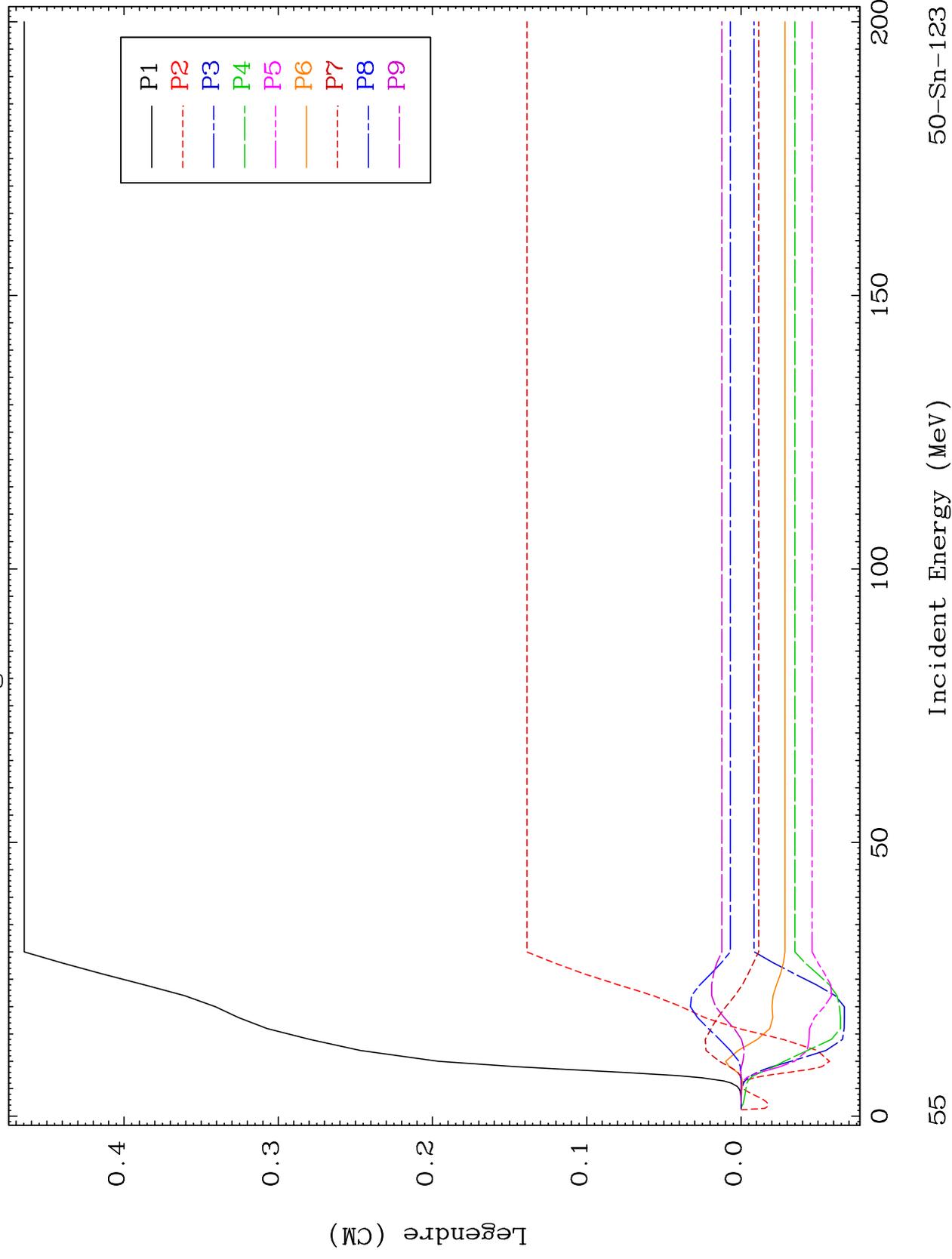
Incident Energy (MeV)

53

MAT 5058

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

50-Sn-123



50-Sn-123

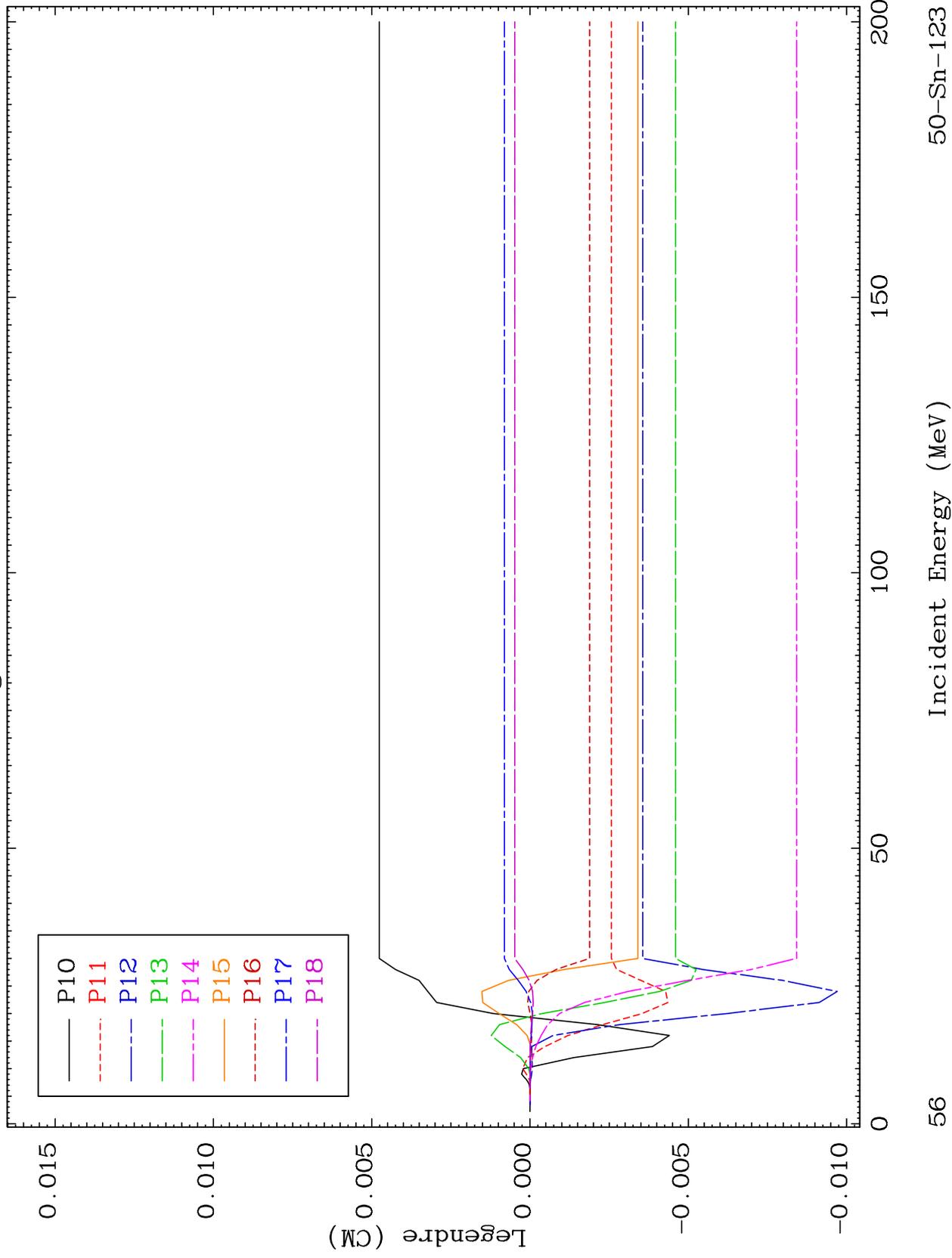
Incident Energy (MeV)

55

MAT 5058

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

50-Sn-123



56

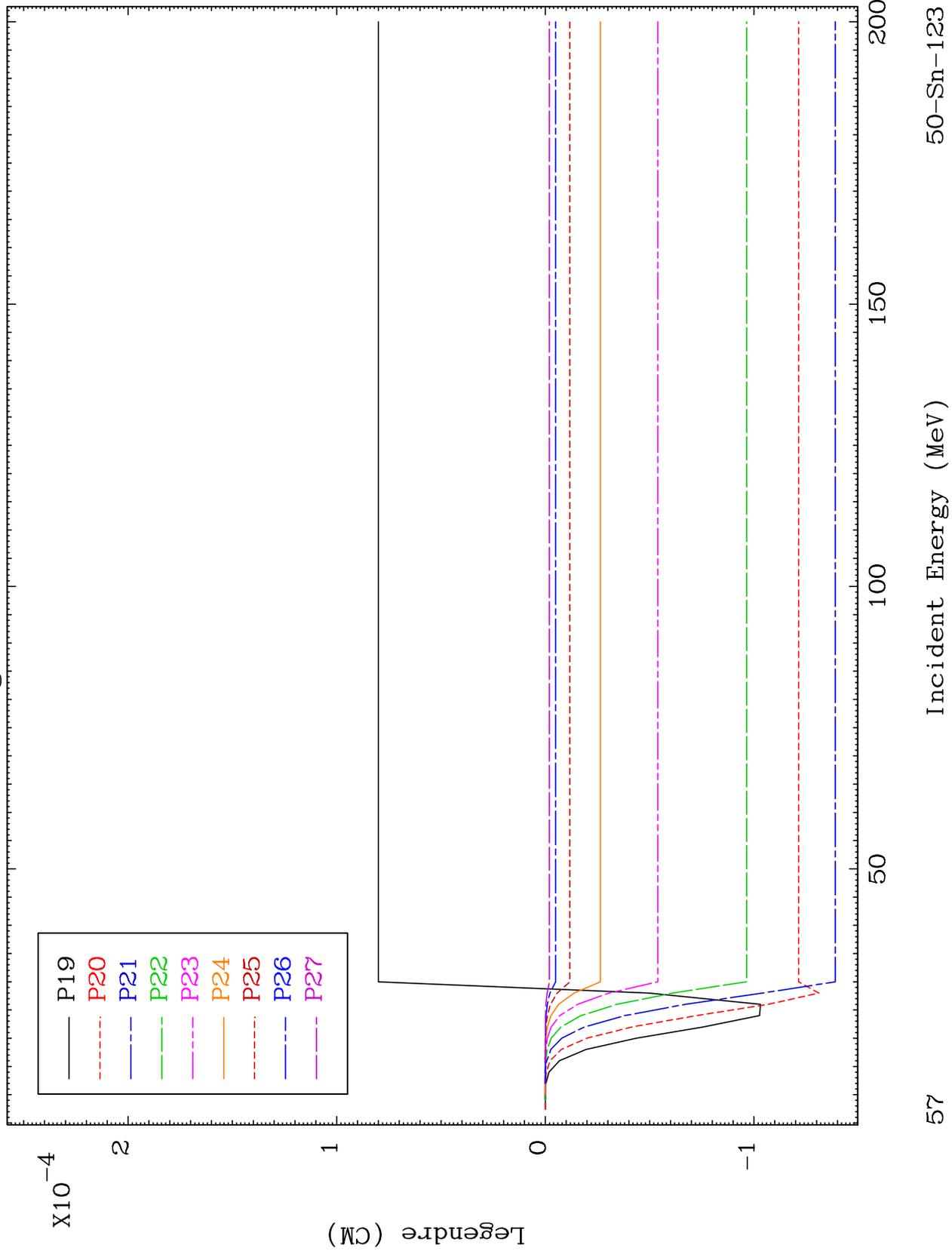
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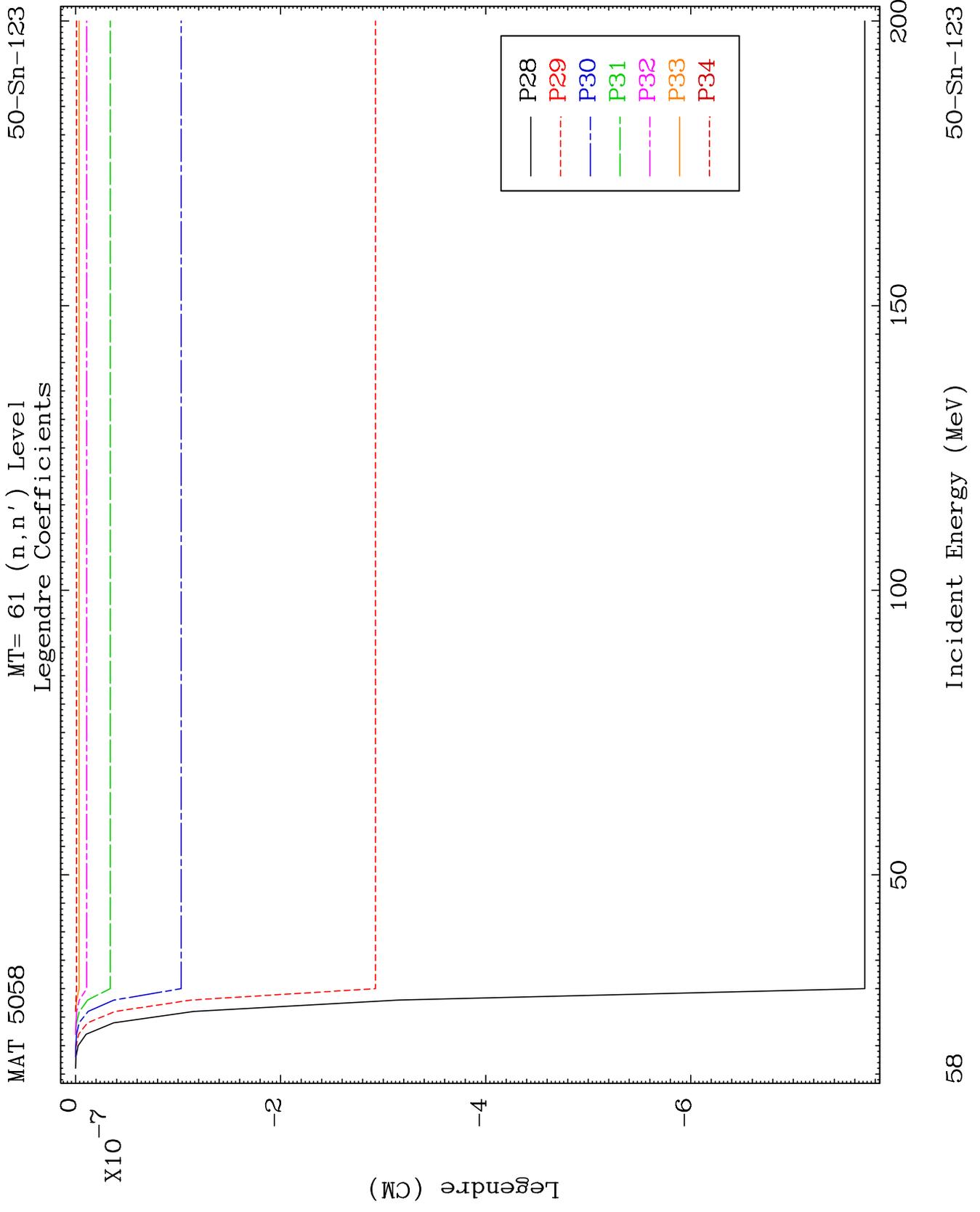
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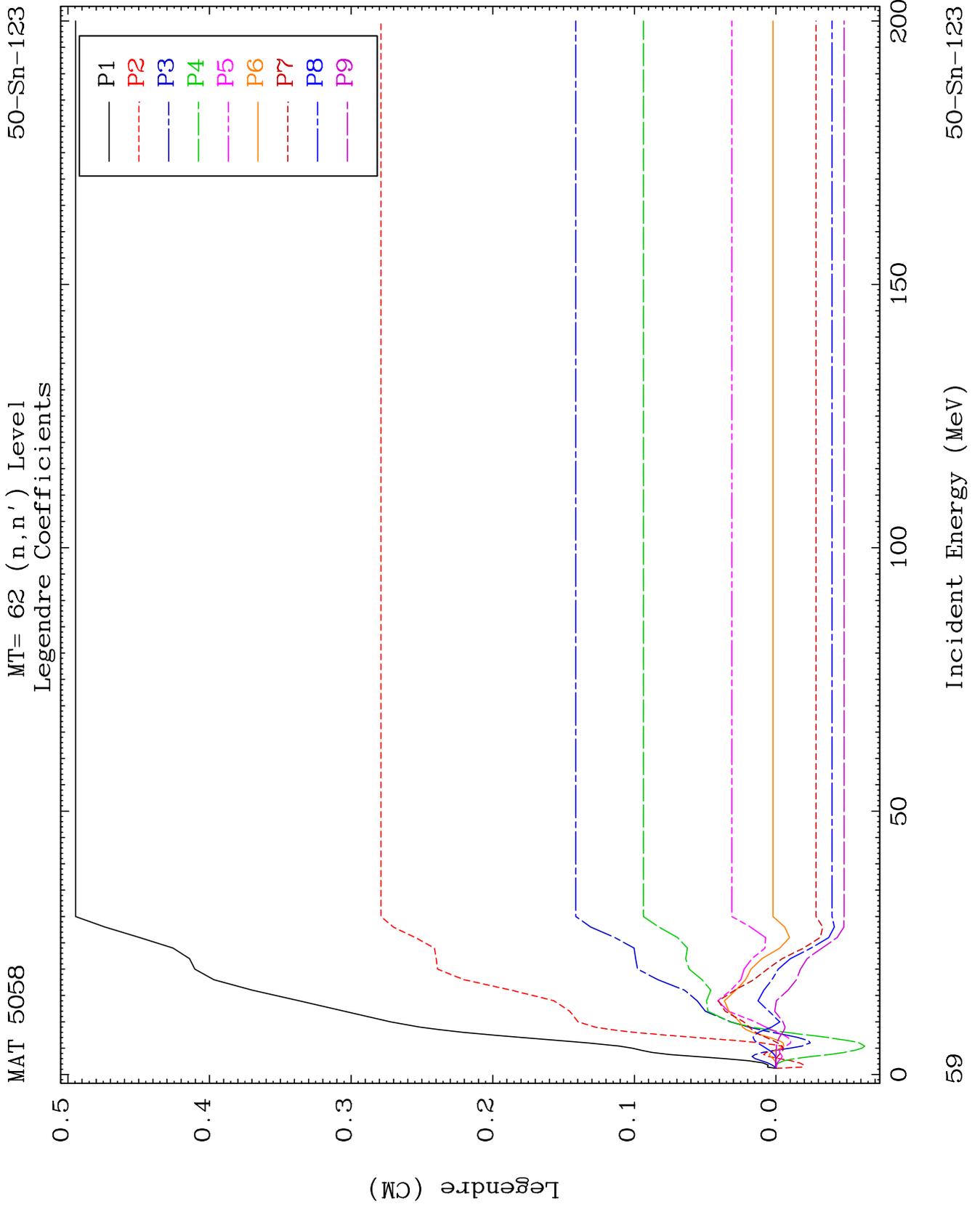
MAT 5058

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

50-Sn-123



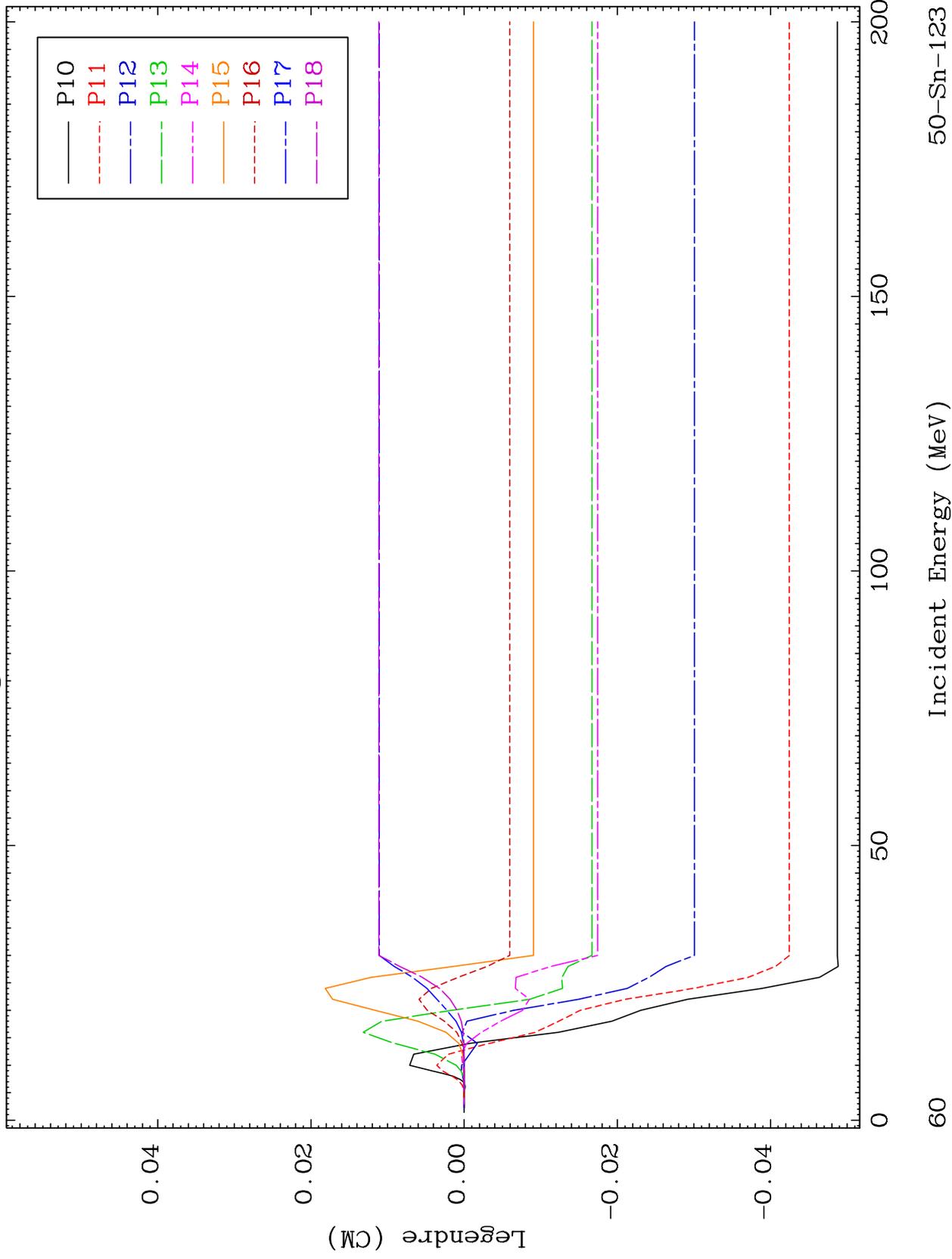




MAT 5058

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

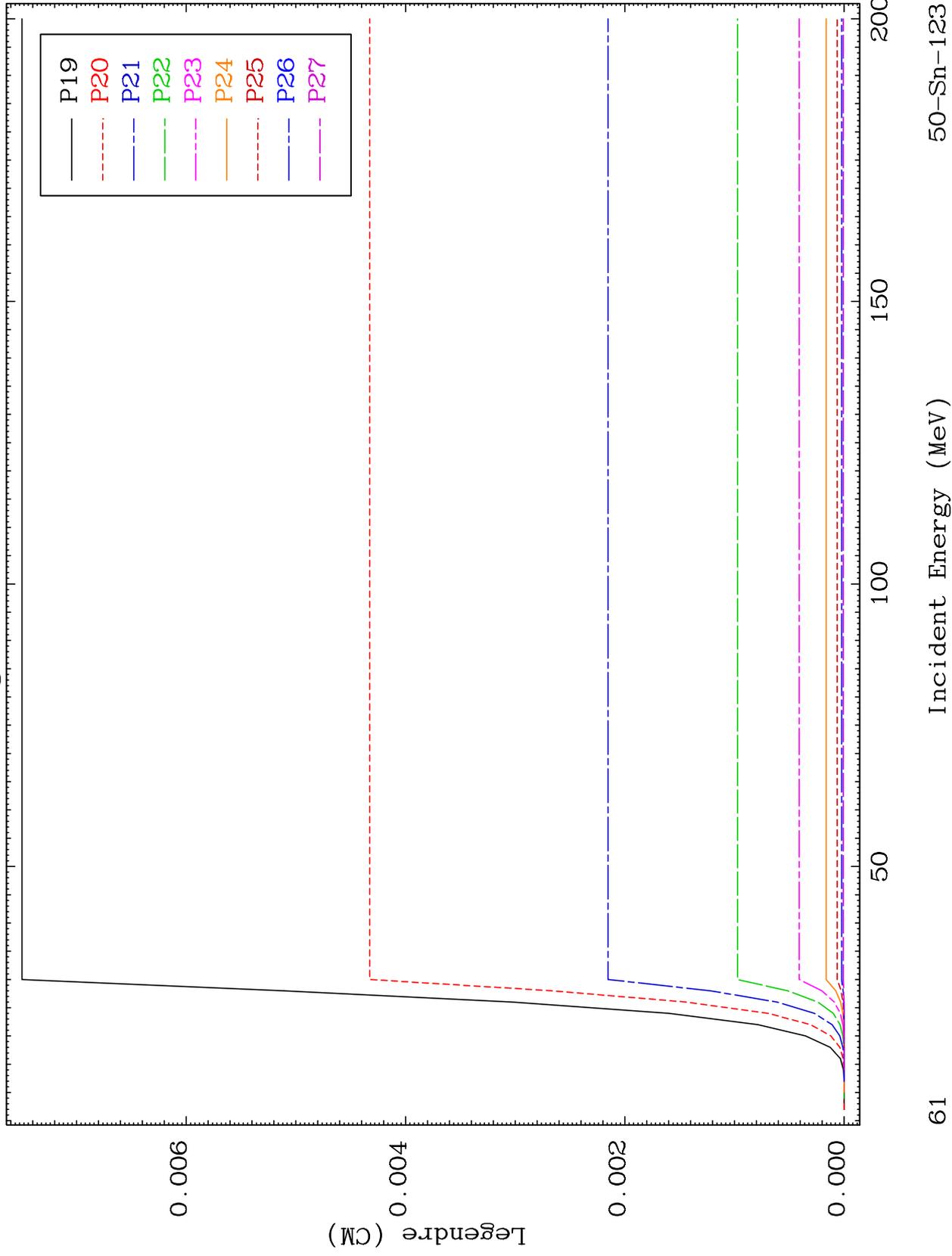
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MAT 5058

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

50-Sn-123



61

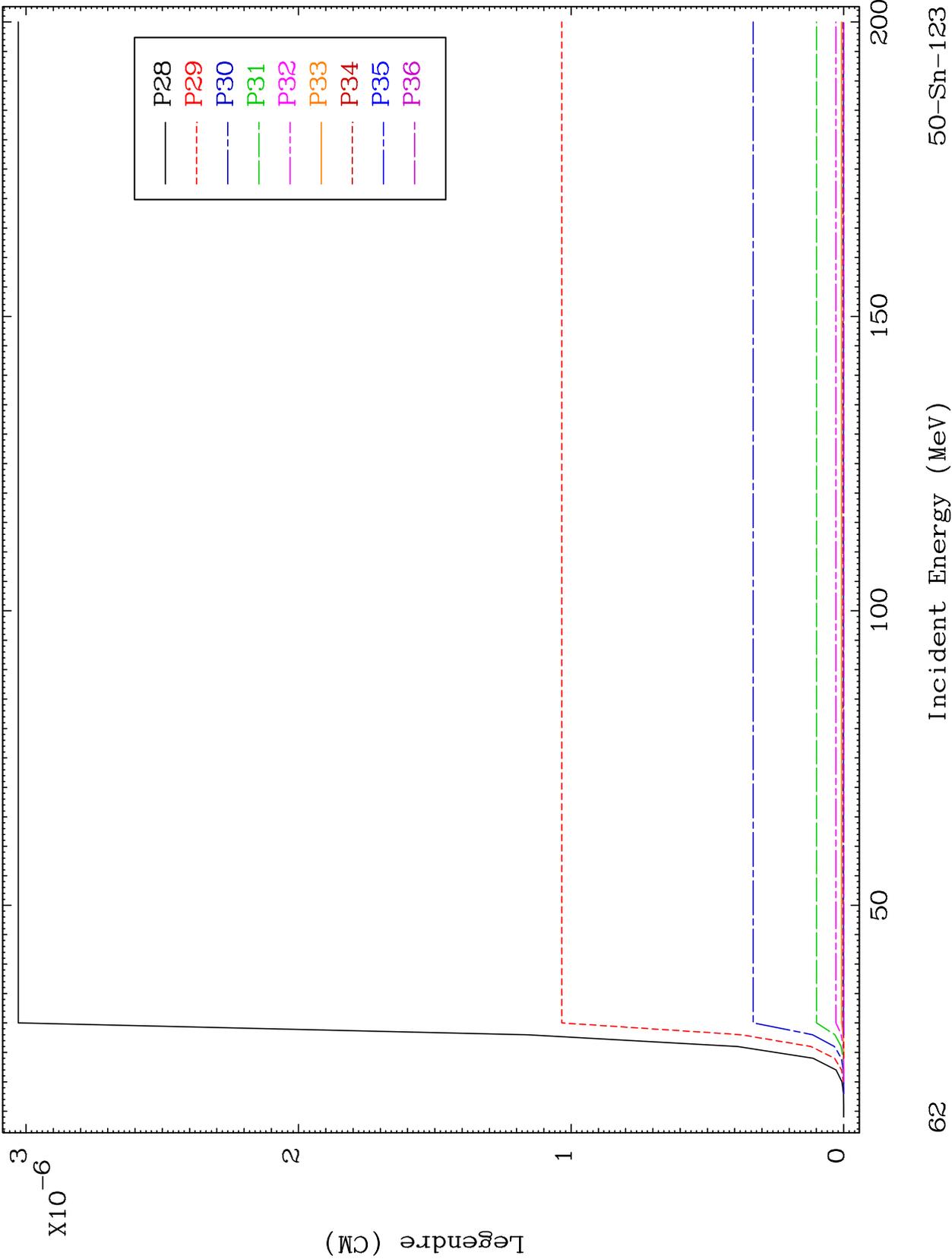
Incident Energy (MeV)

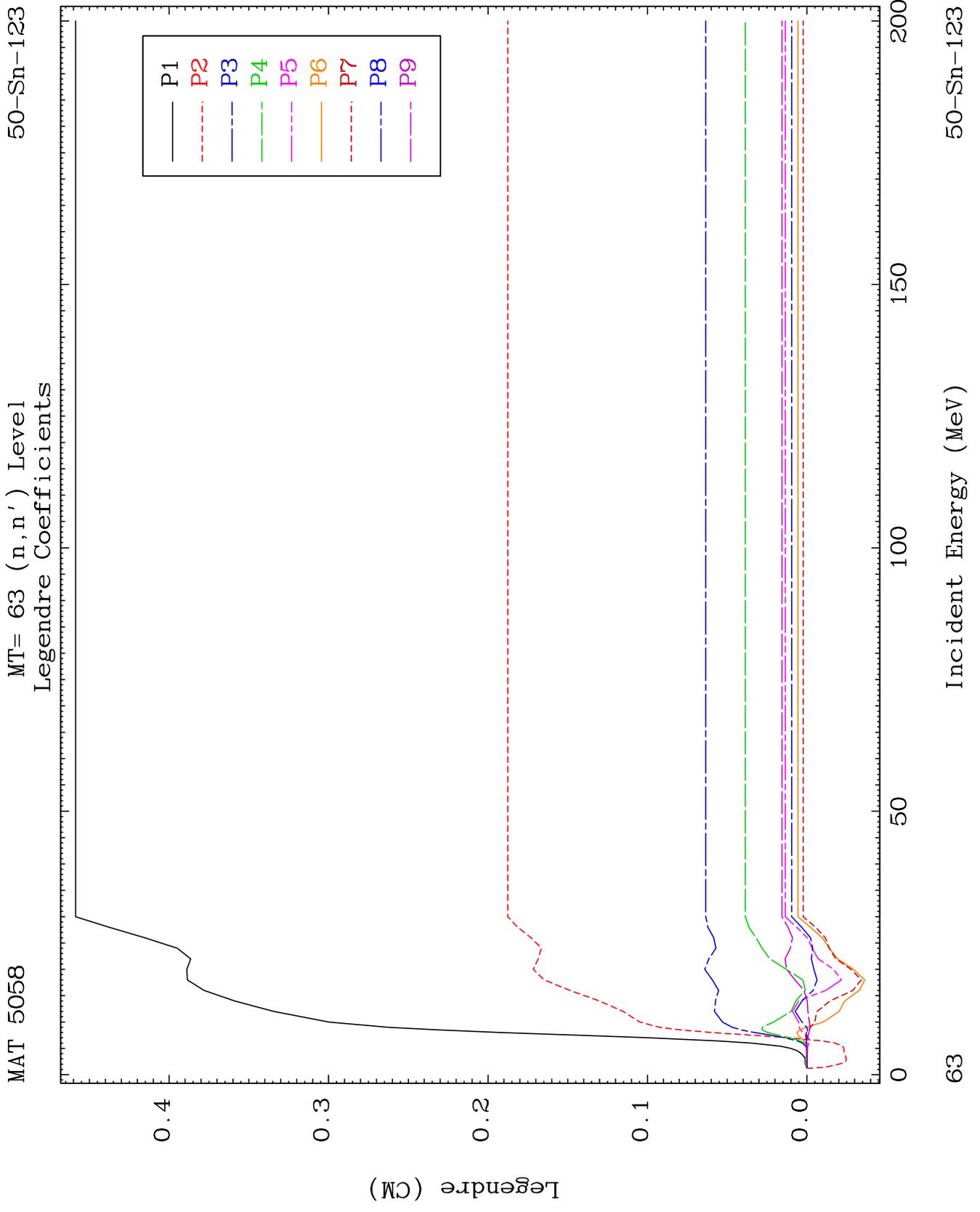
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MAT 5058

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

50-Sn-123

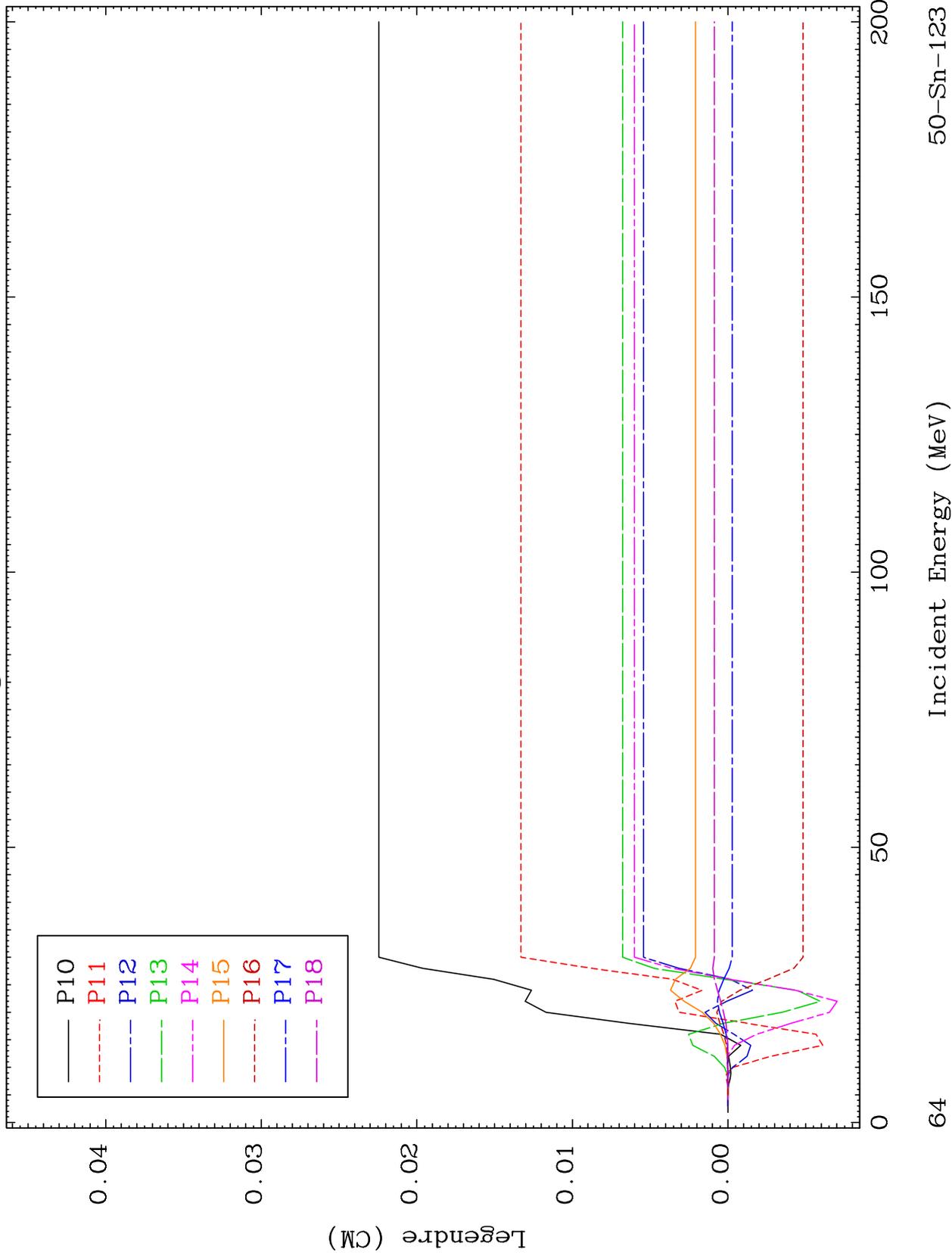




MAT 5058

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

50-Sn-123



50-Sn-123

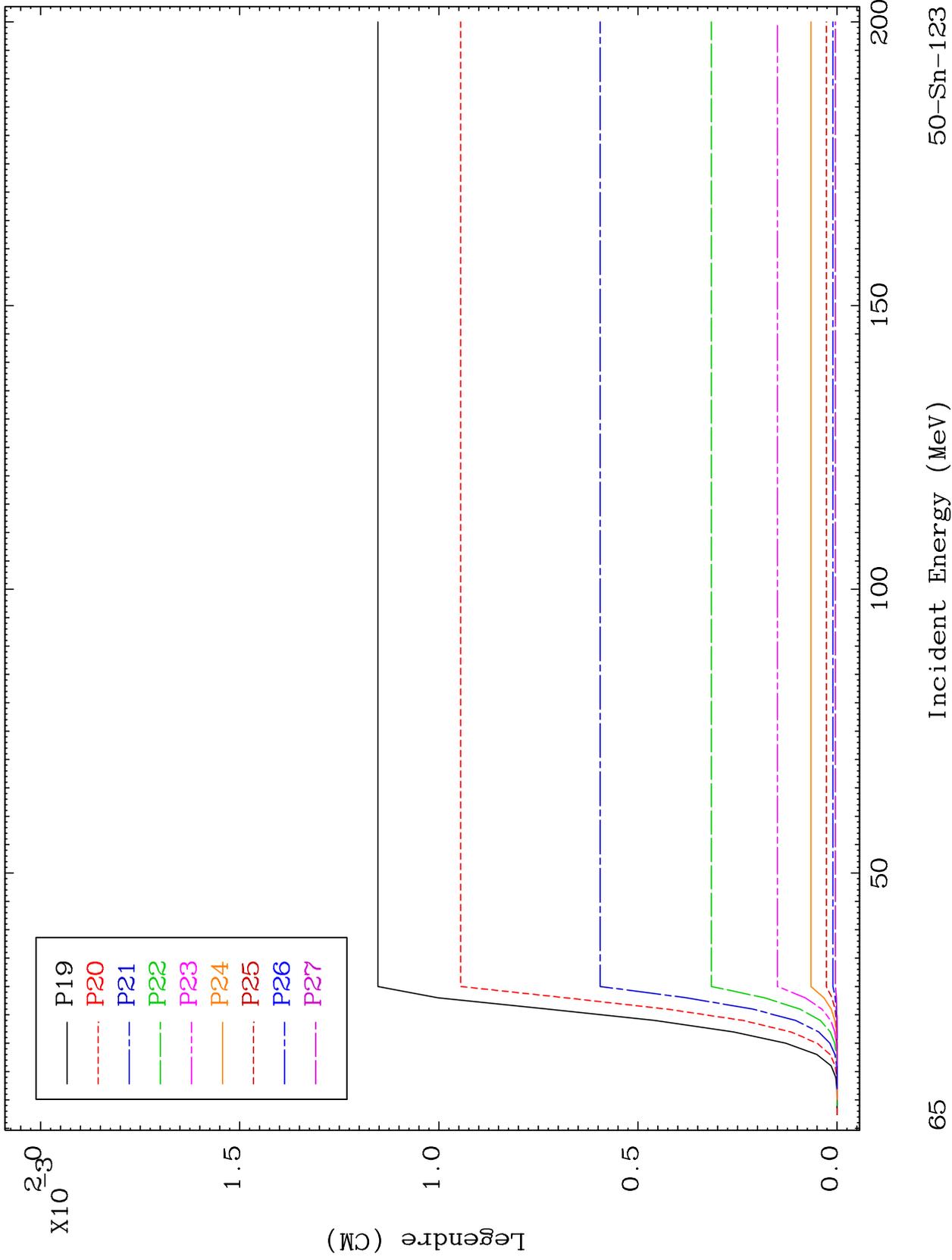
Incident Energy (MeV)

64

MAT 5058

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

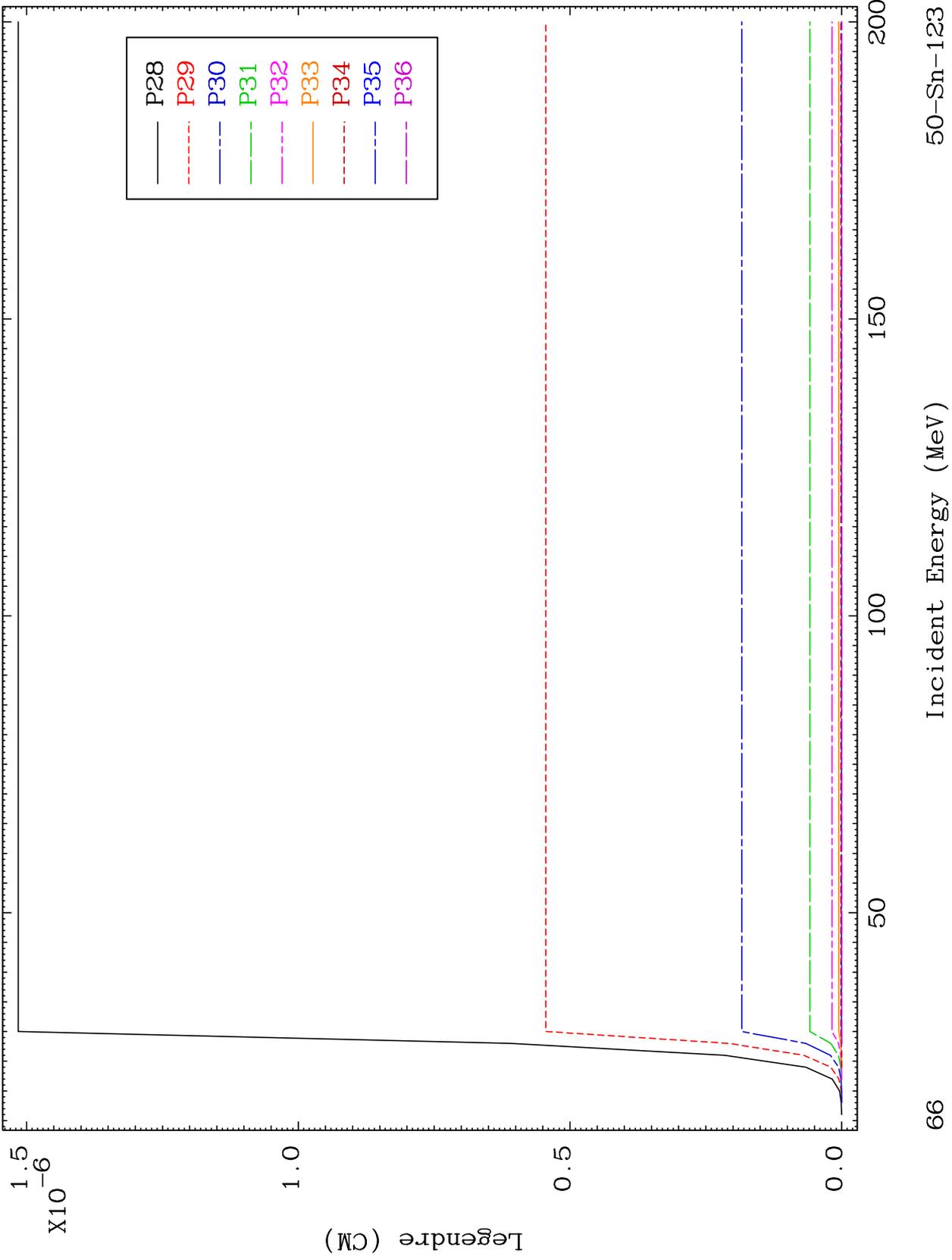
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MAT 5058

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

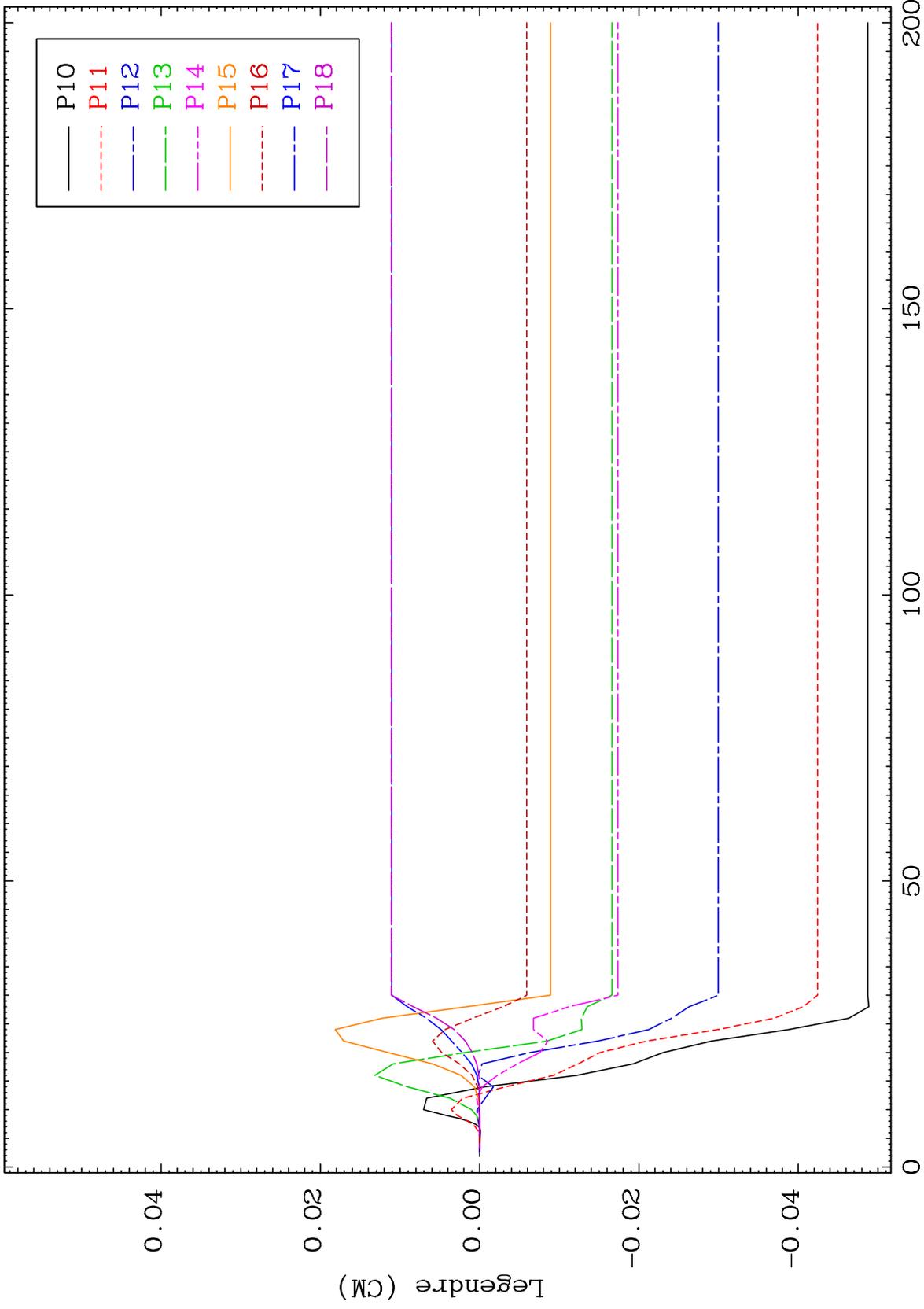
50-Sn-123



MAT 5058

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

50-Sn-123



68

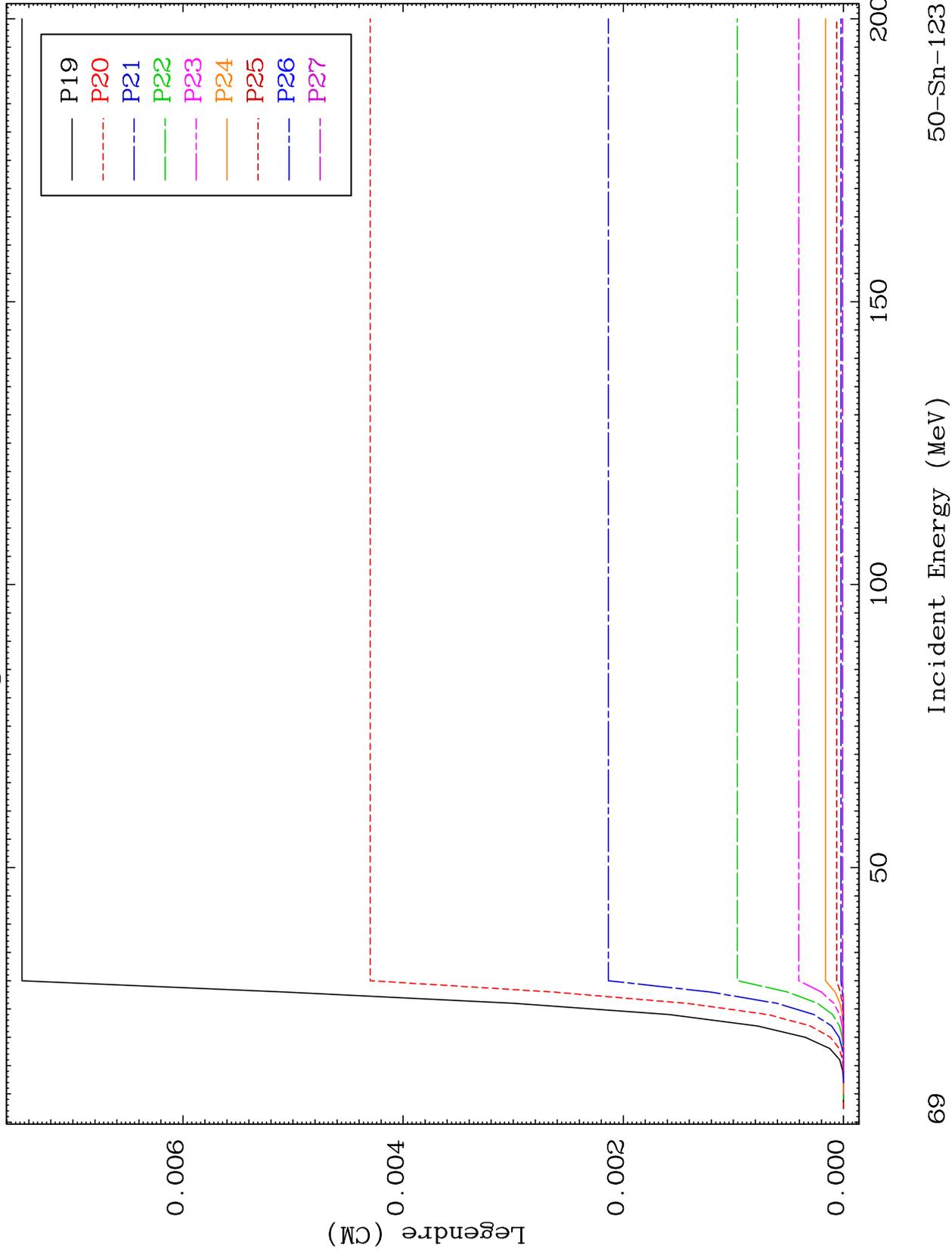
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



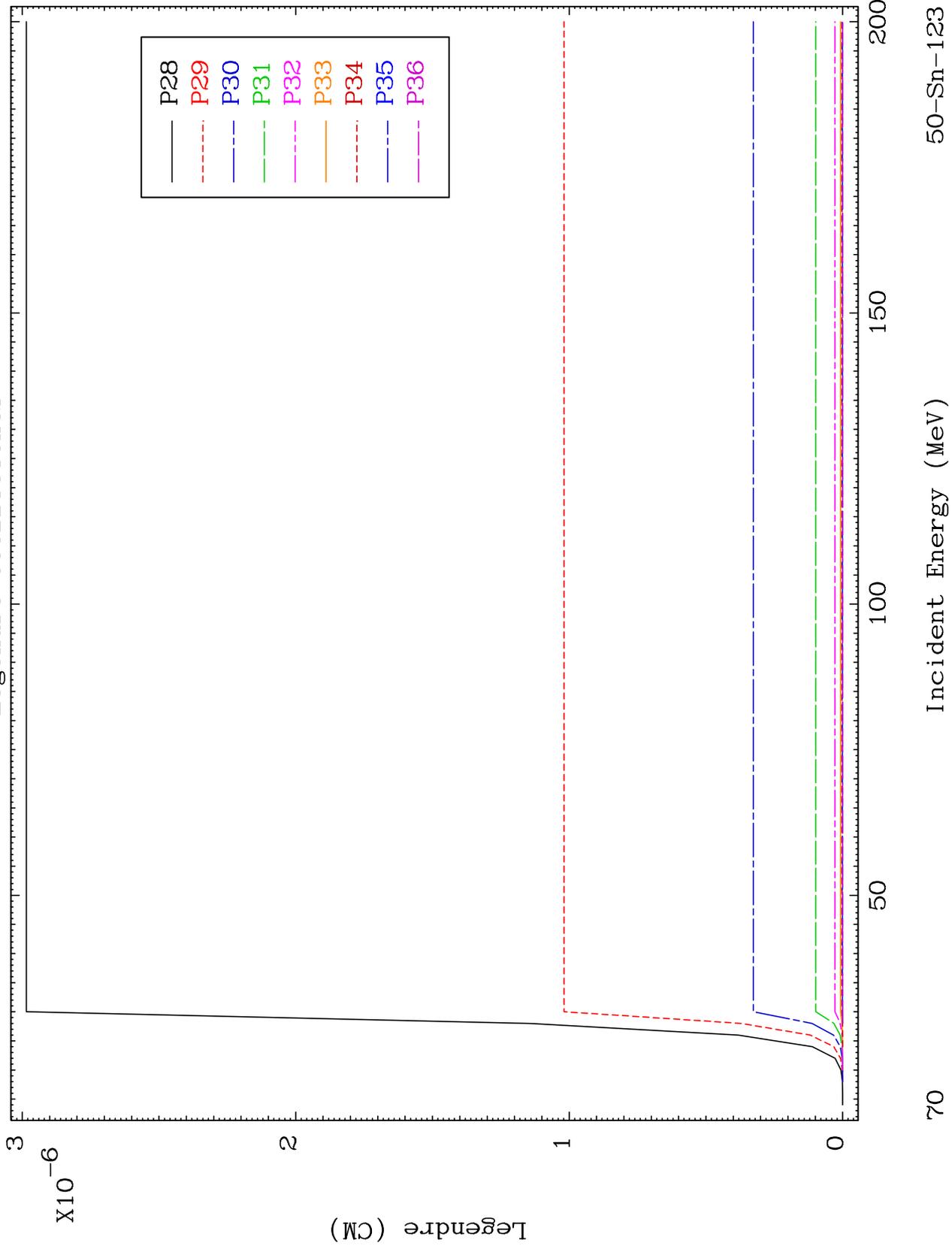
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50-Sn-123

MAT 5058

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

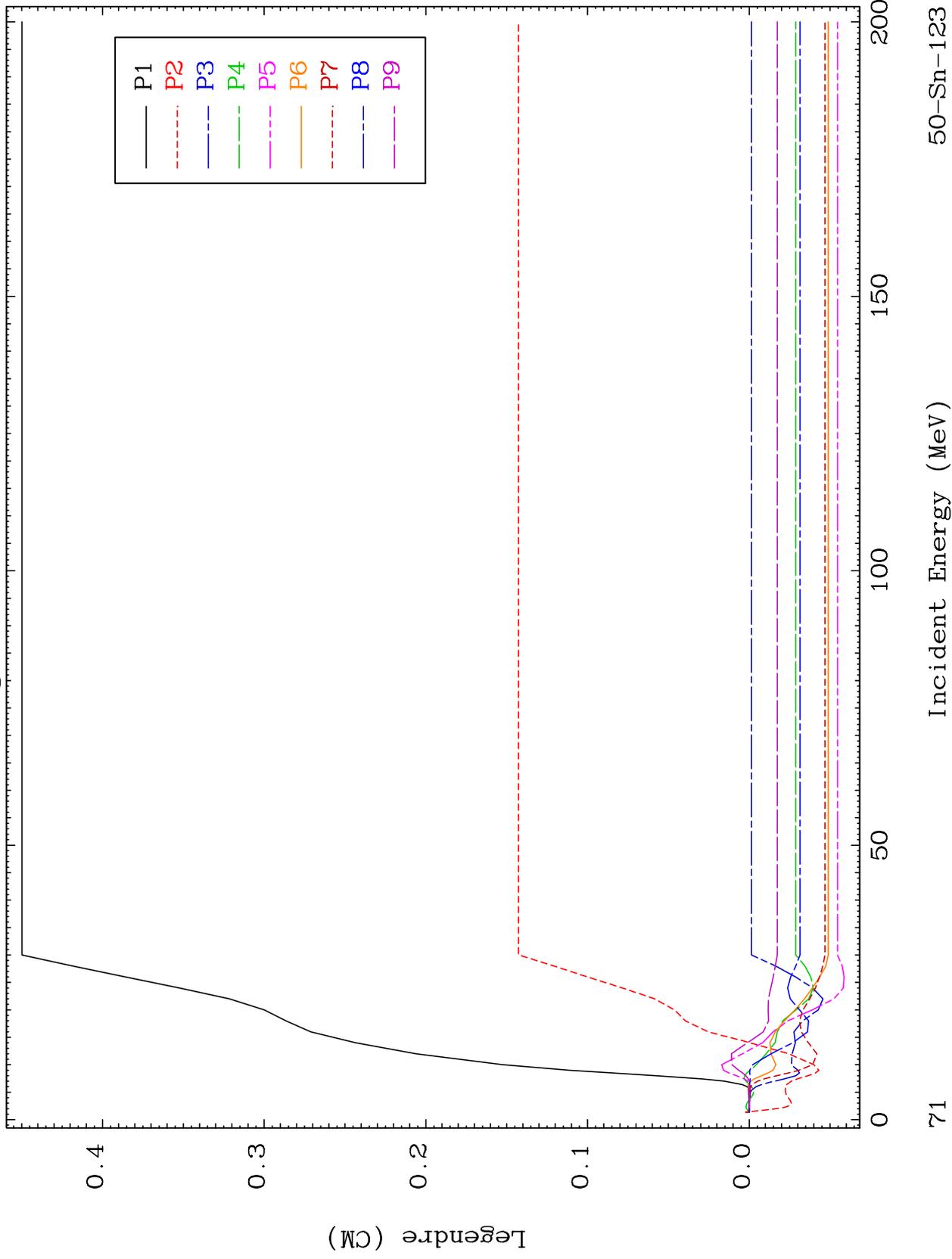
50-Sn-123



MAT 5058

MT= 65 (n,n') Level
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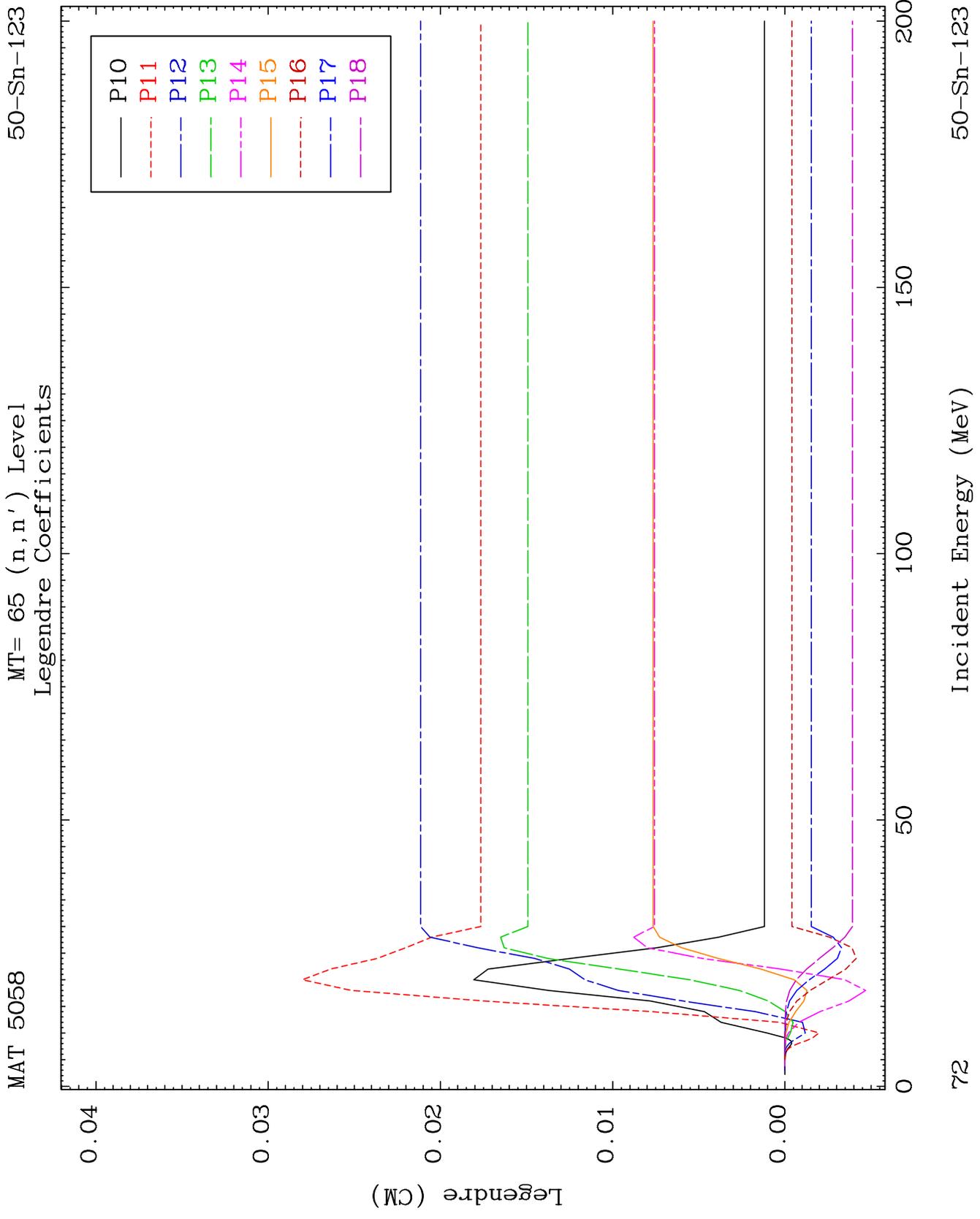
50-Sn-123



71

Incident Energy (MeV)

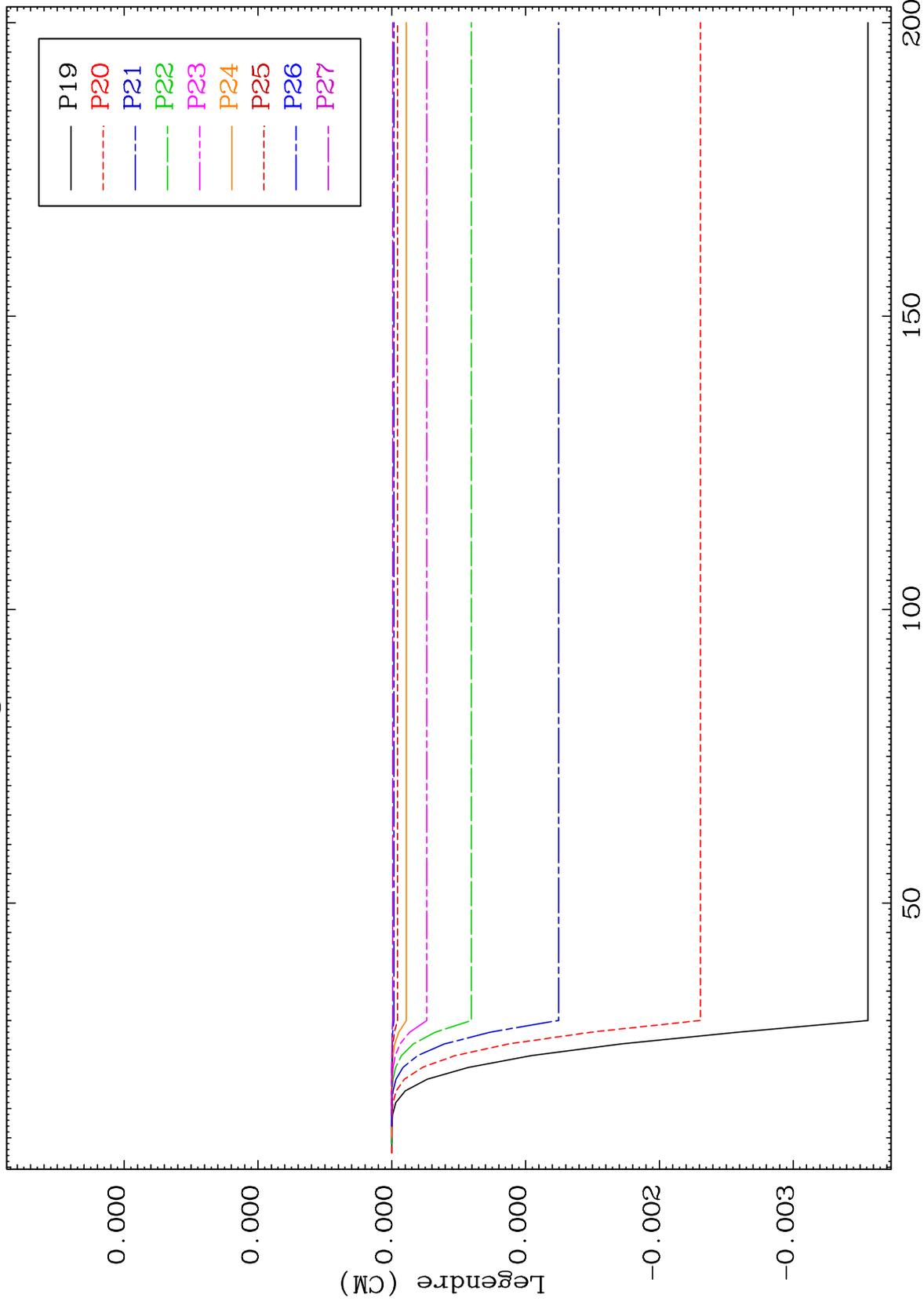
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MAT 5058

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

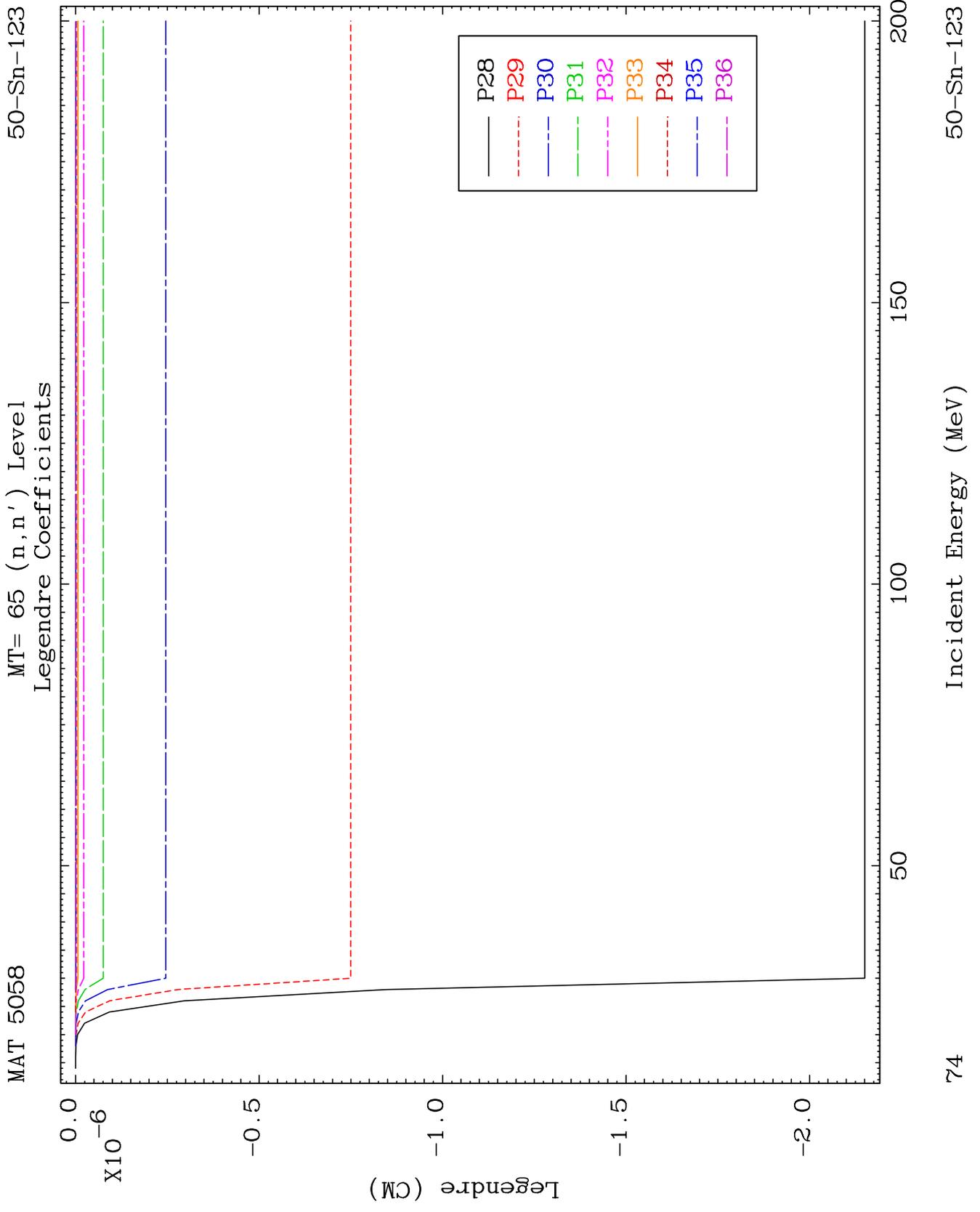
50-Sn-123

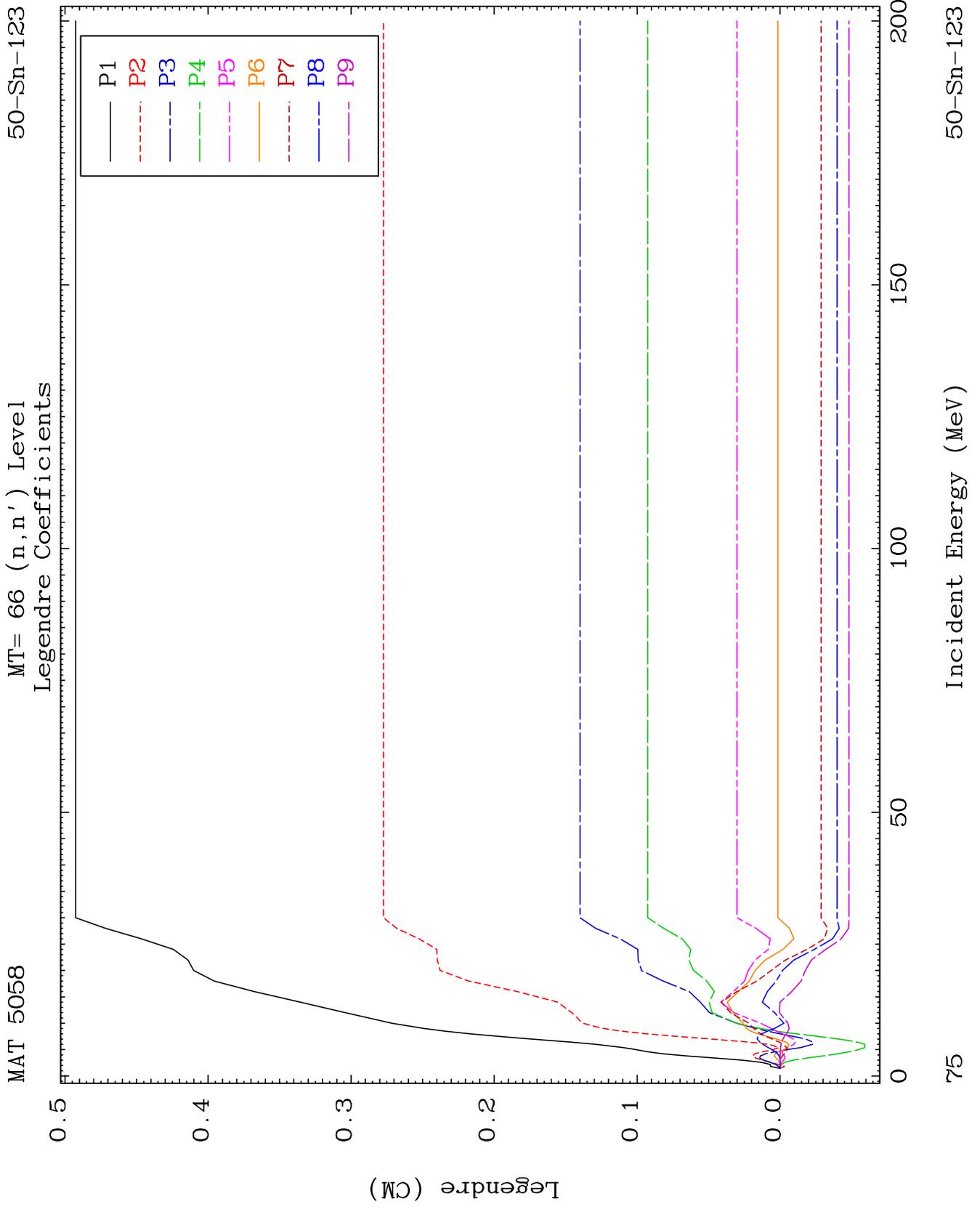


73

Incident Energy (MeV)

50-Sn-123

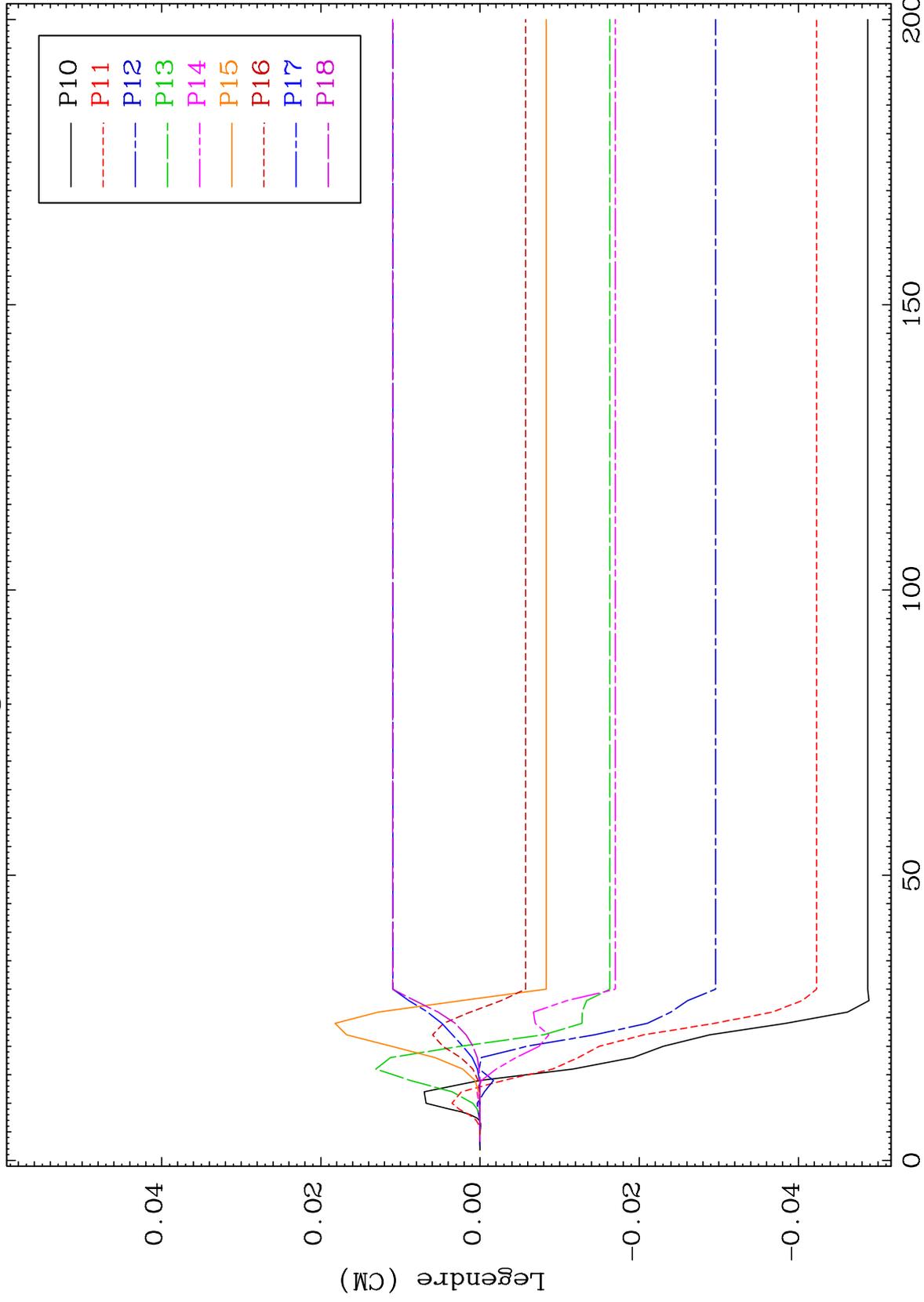




MAT 5058

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

50-Sn-123



76

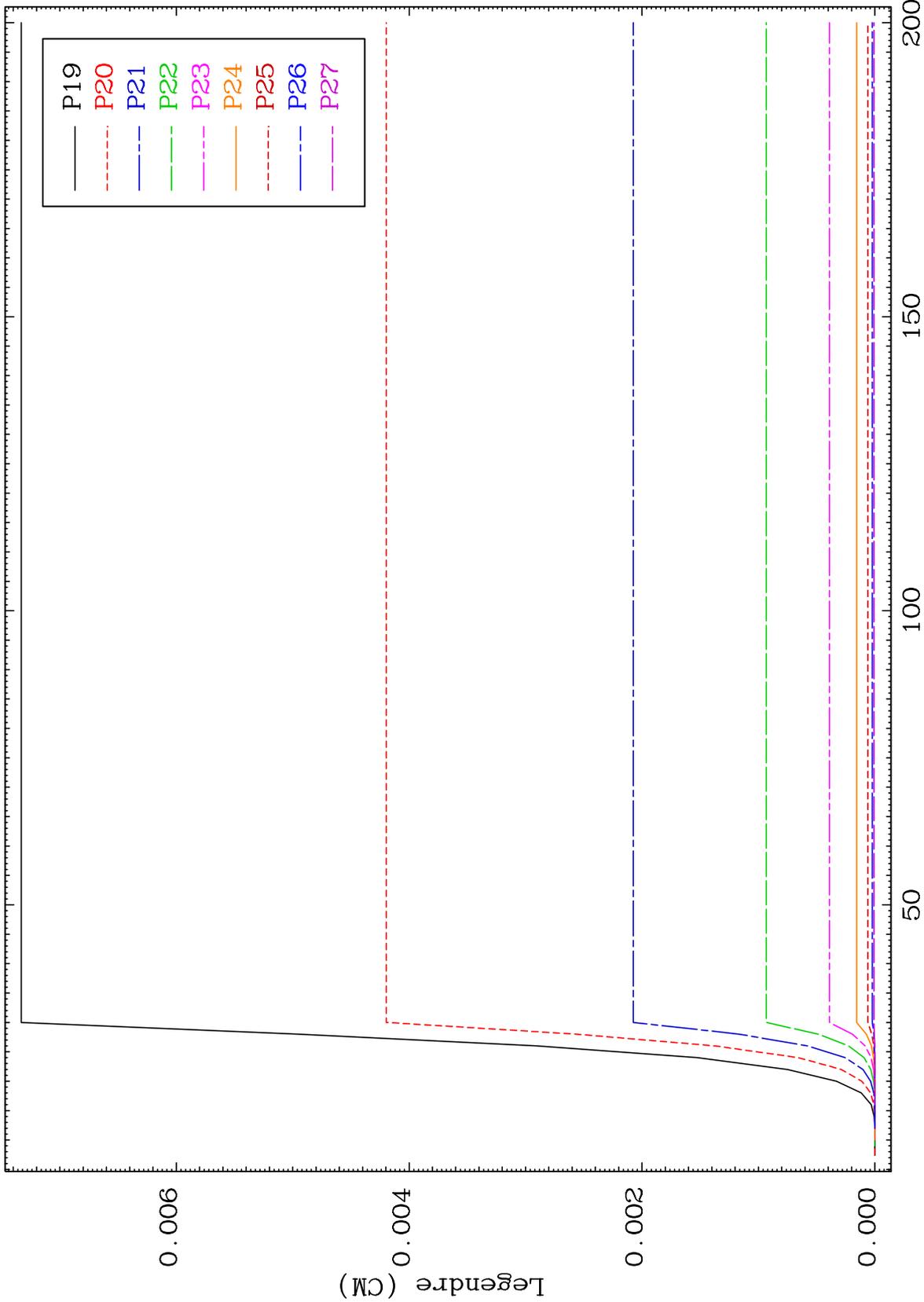
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

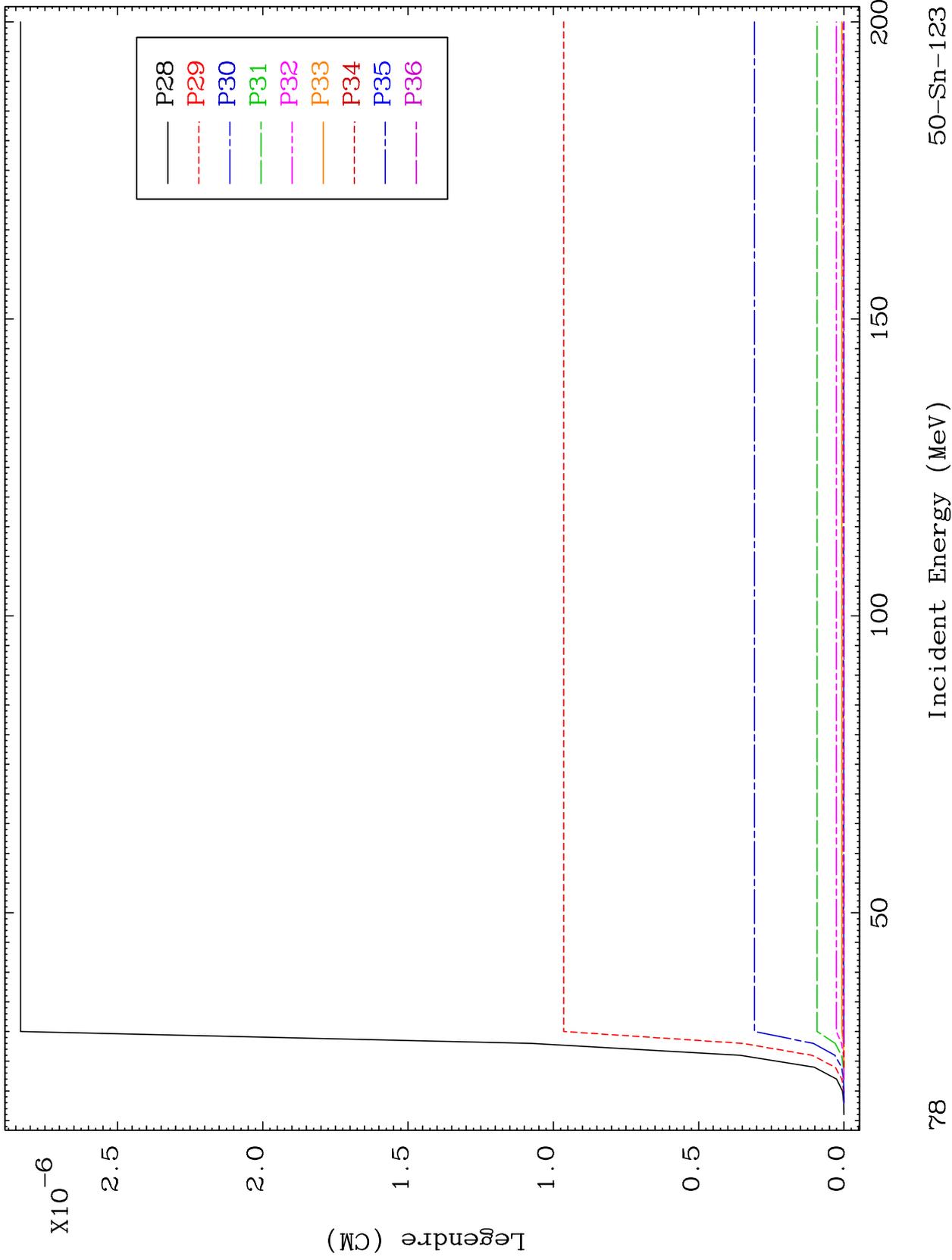
50-Sn-123



MAT 5058

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

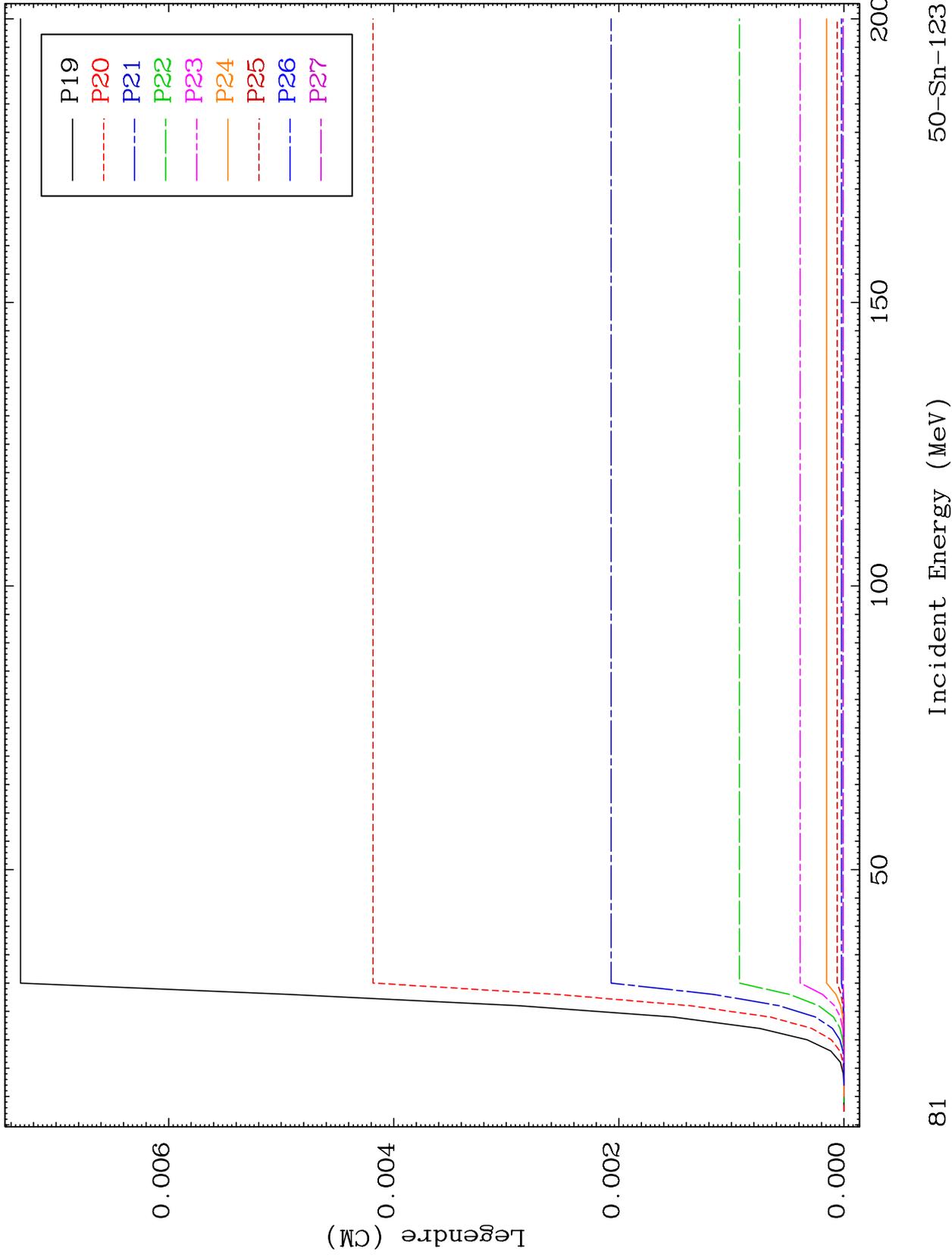
50-Sn-123



MAT 5058

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

50-Sn-123



81

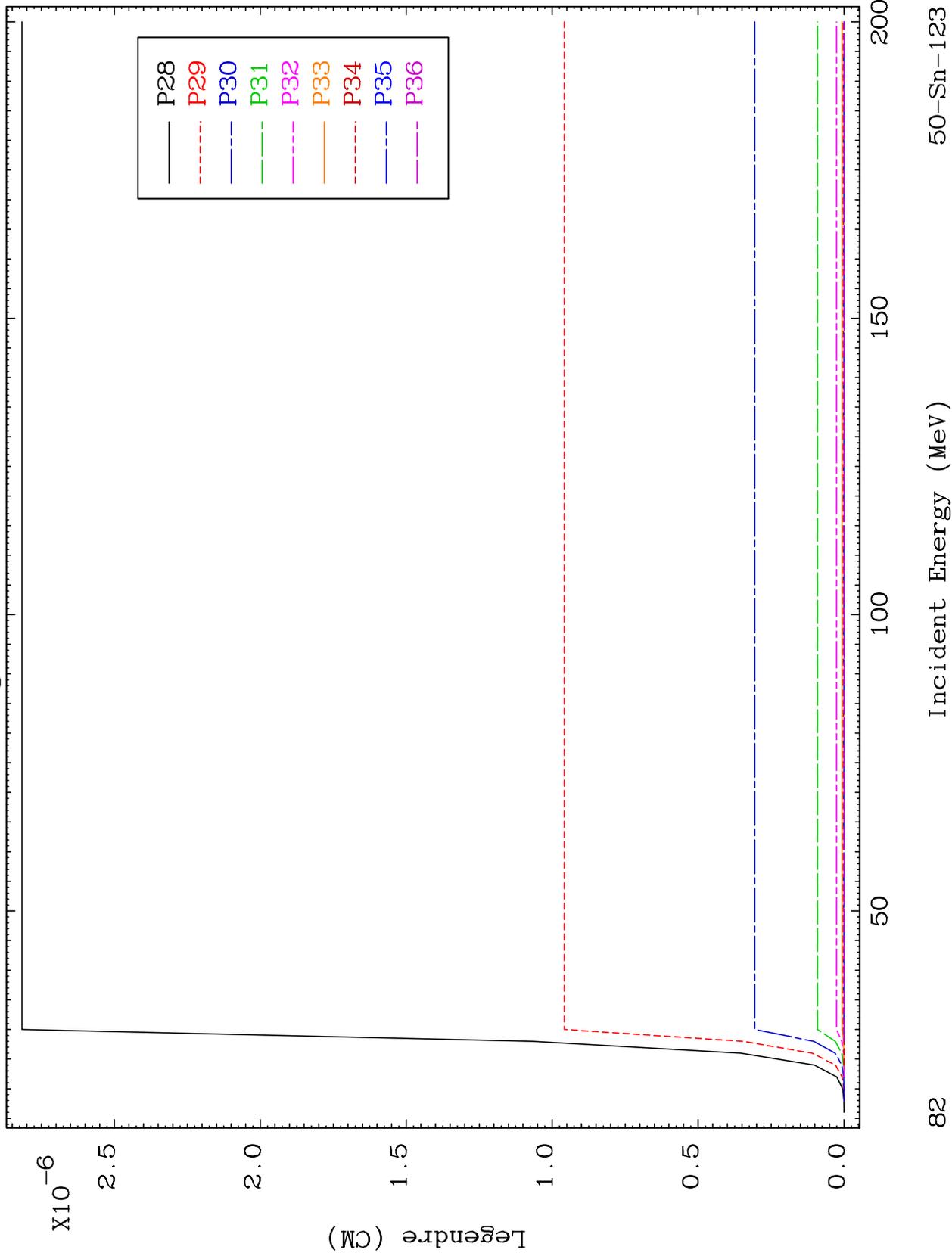
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



82

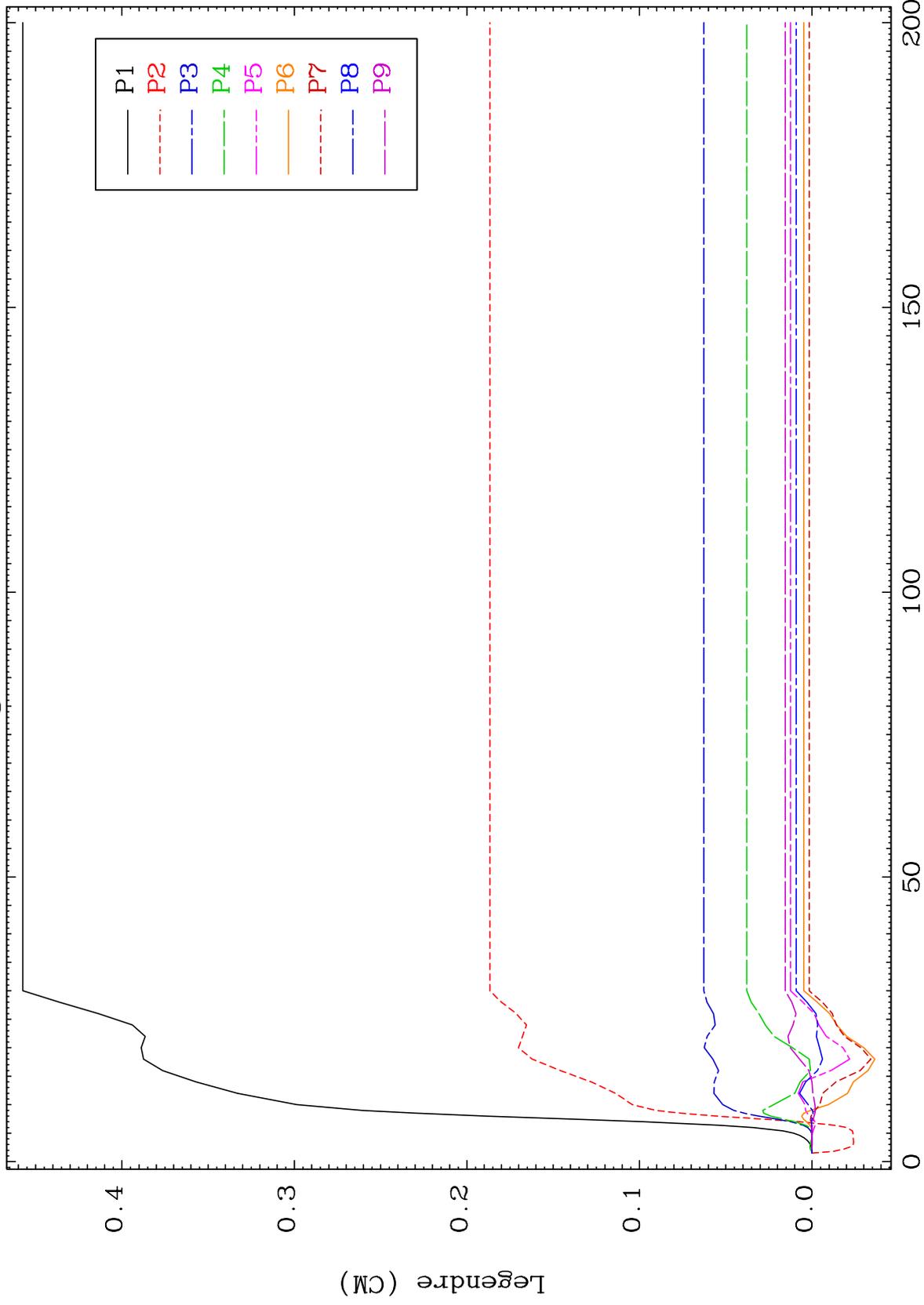
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



83

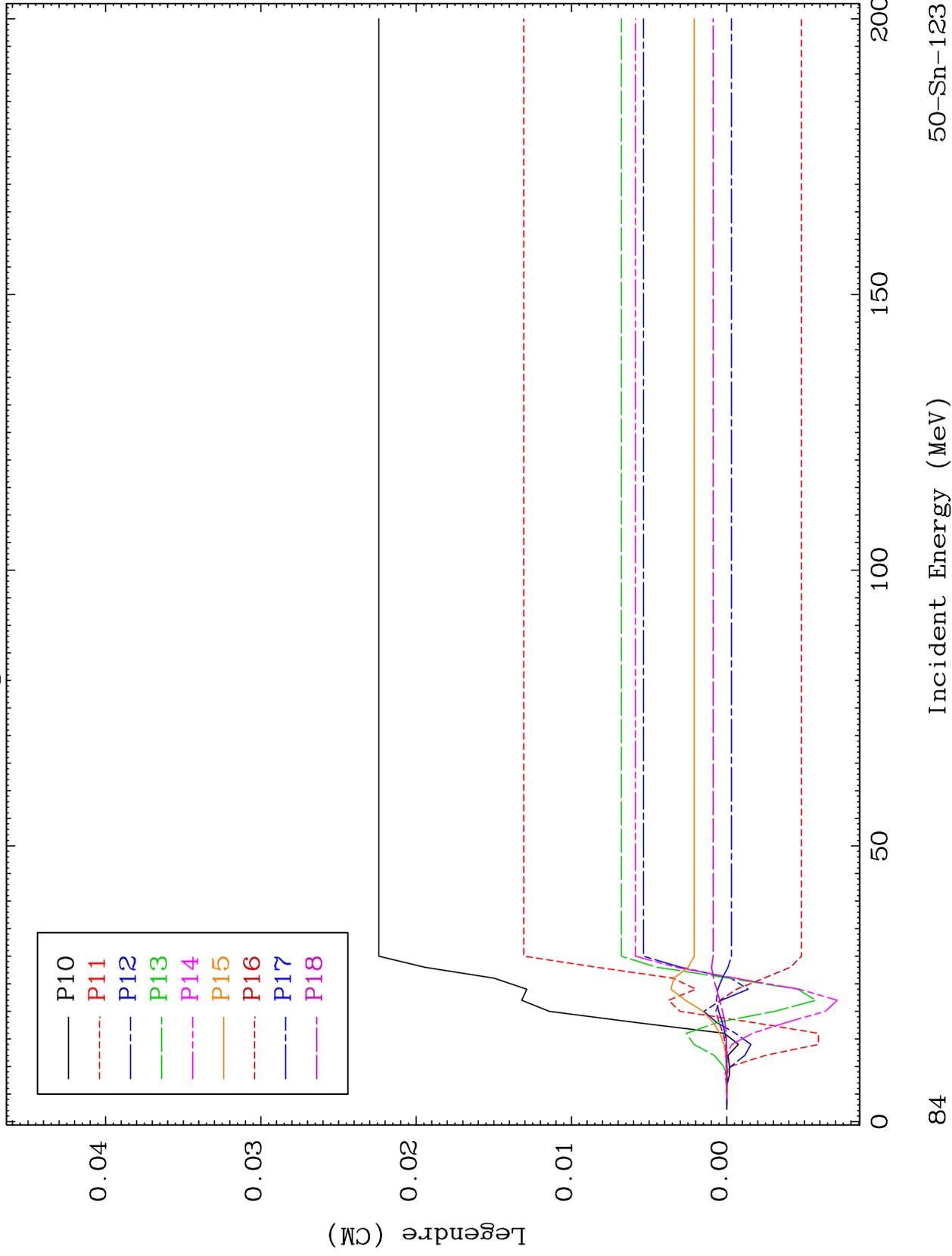
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



84

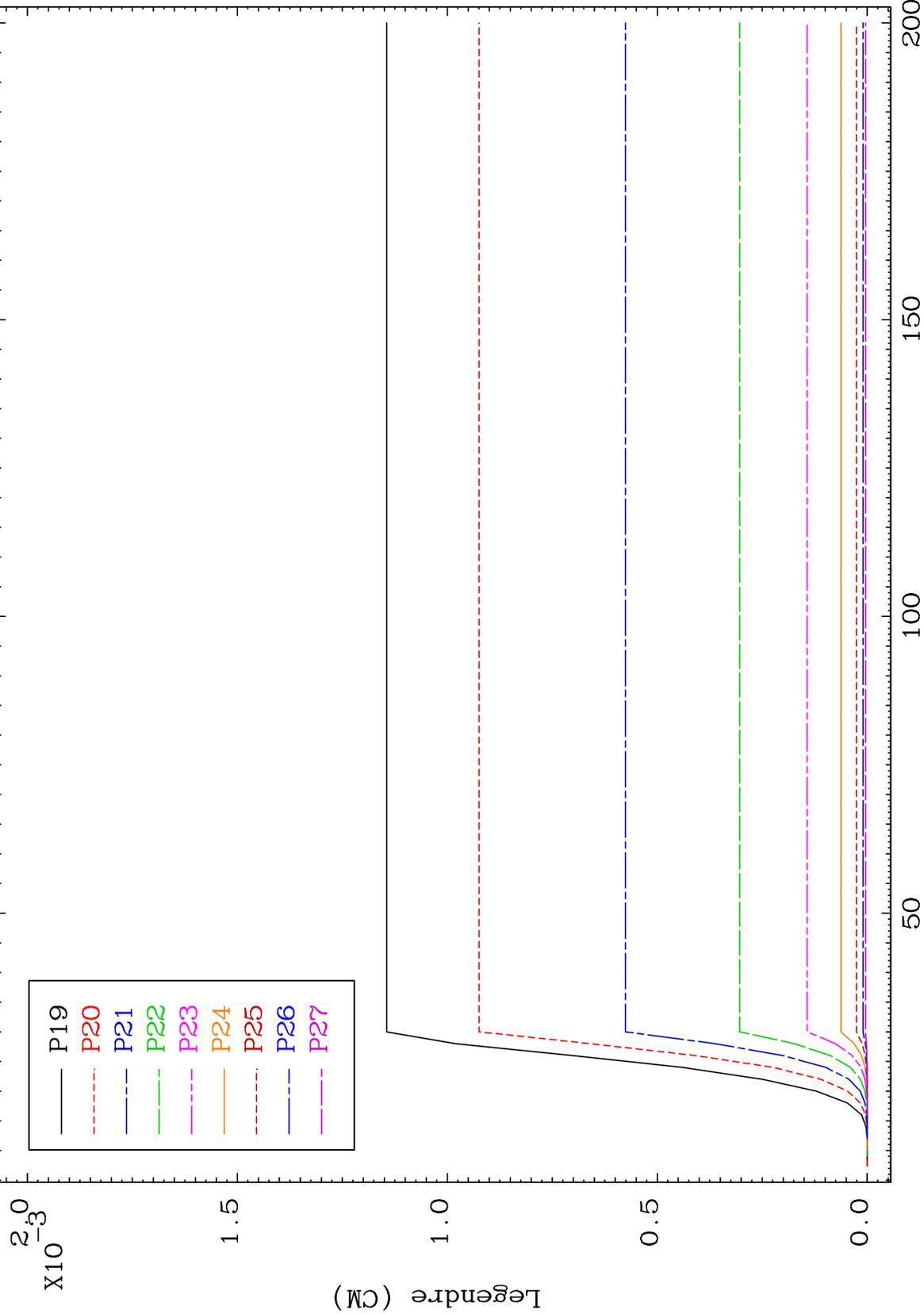
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



85

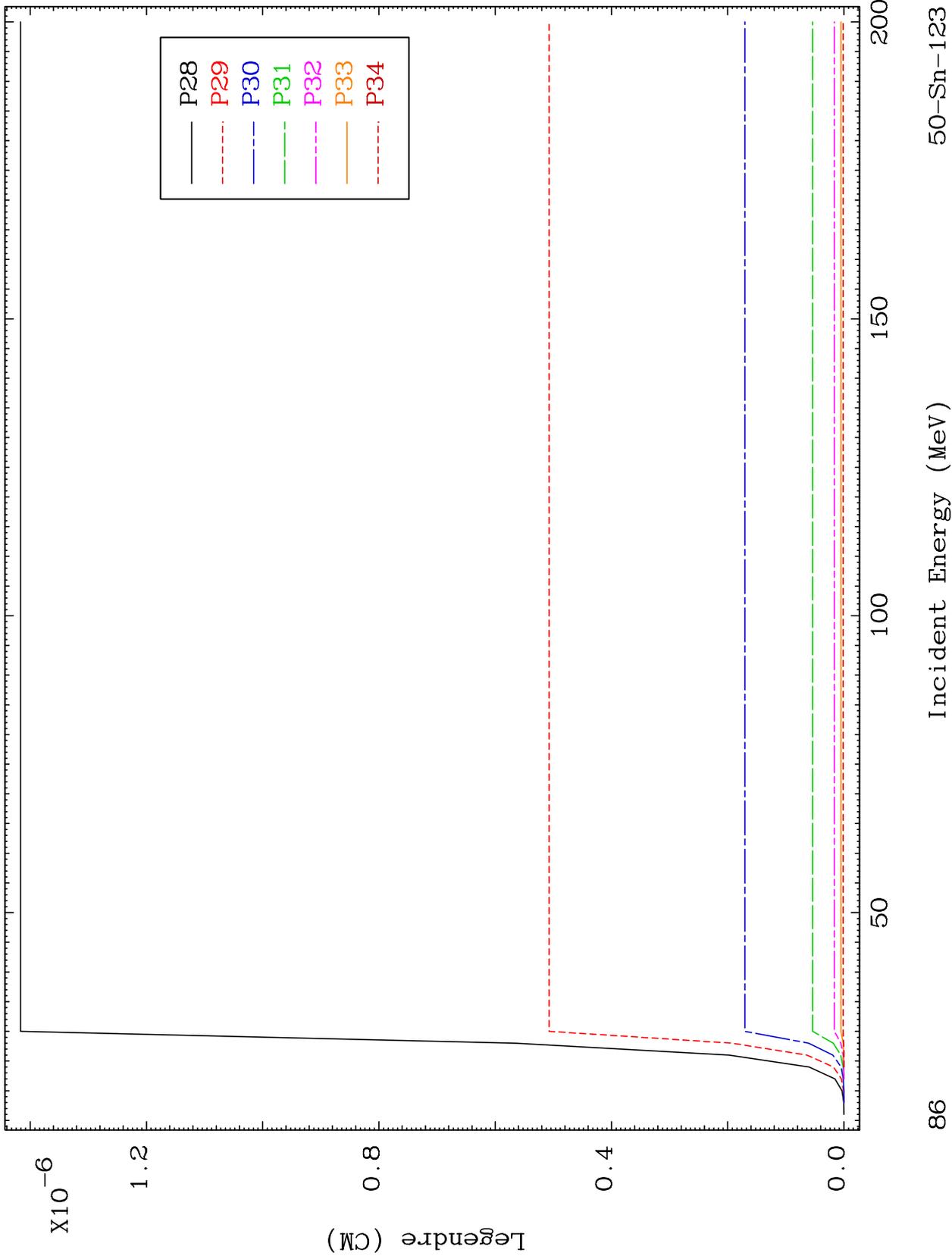
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

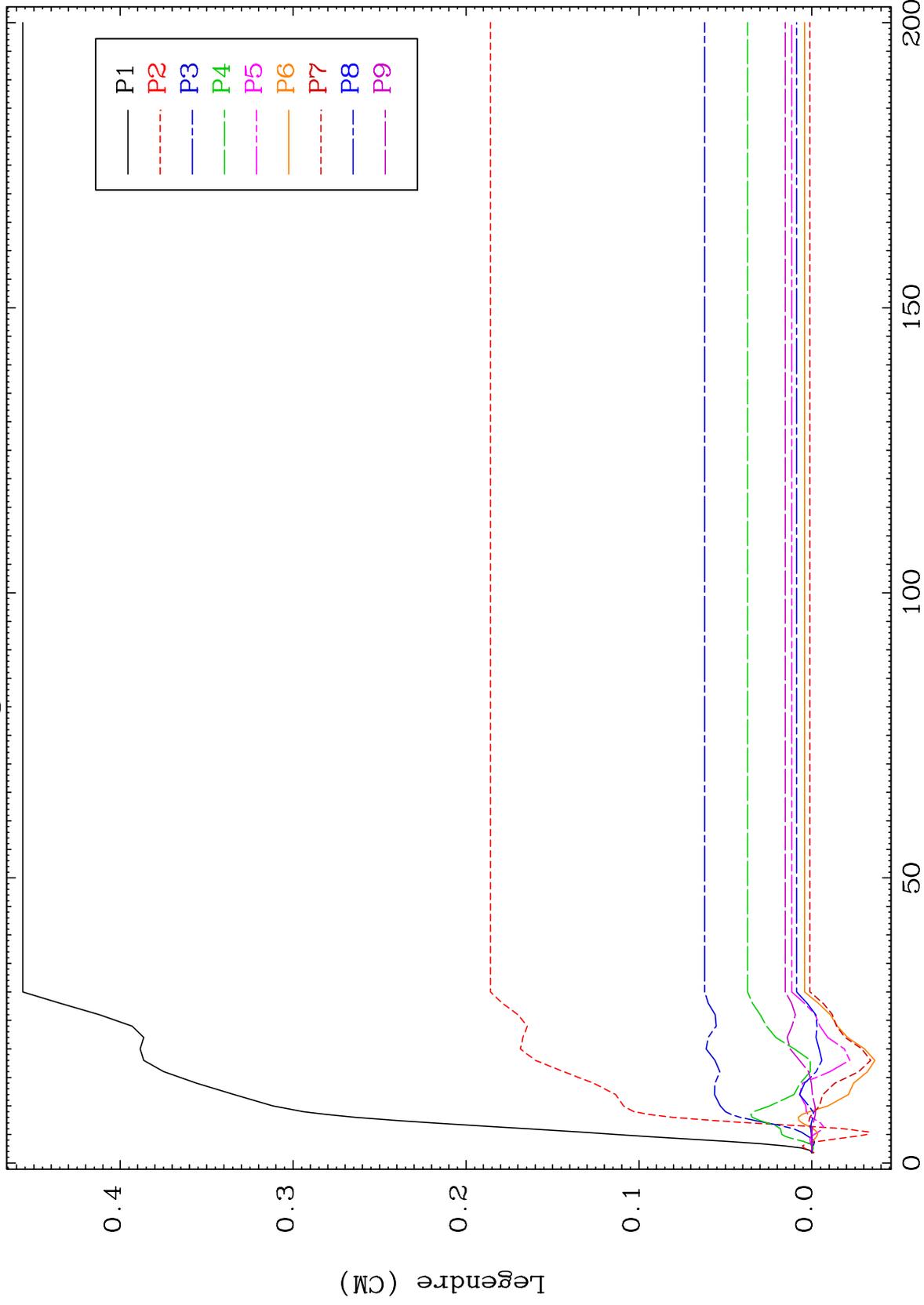
50-Sn-123



MAT 5058

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

50-Sn-123



87

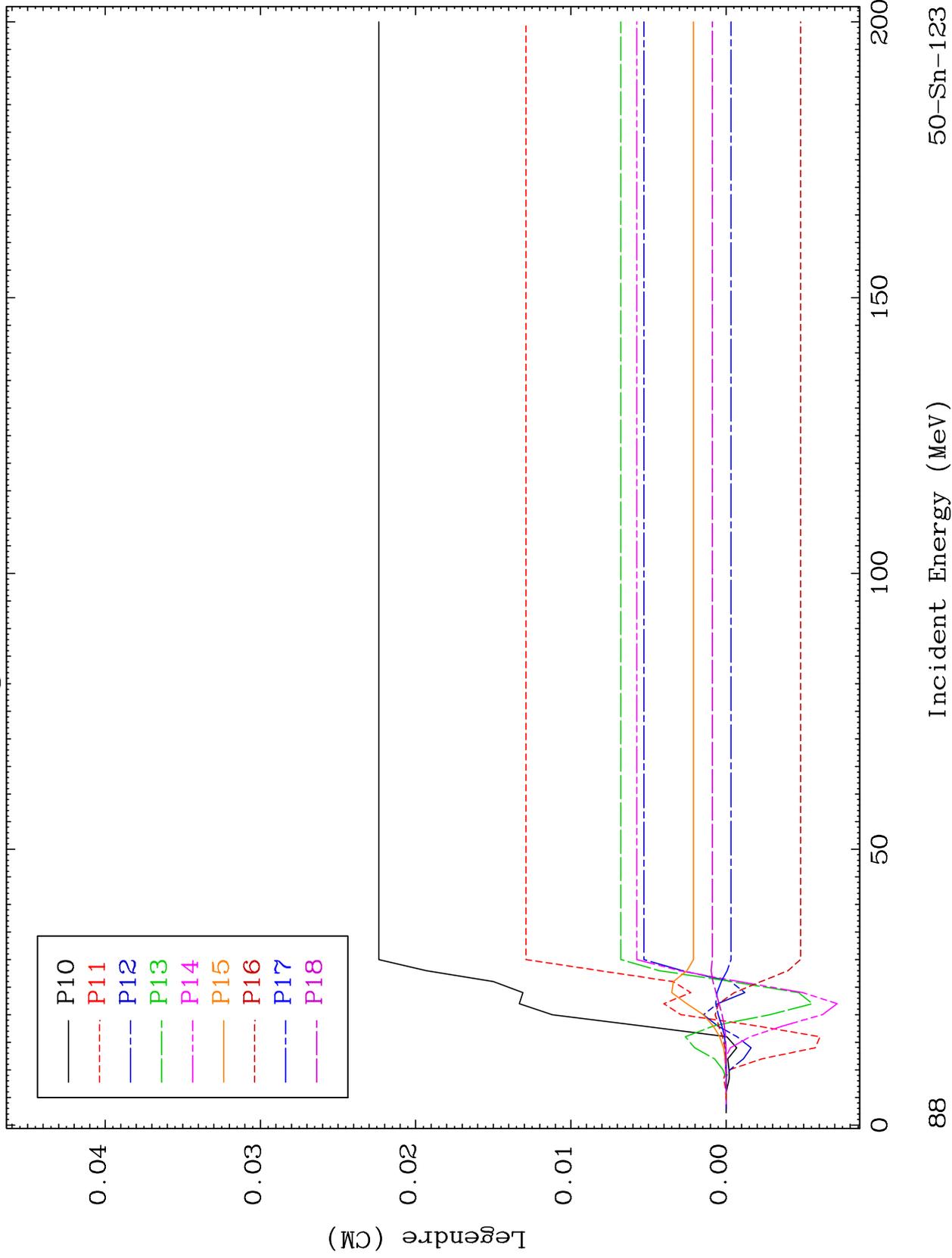
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



50-Sn-123

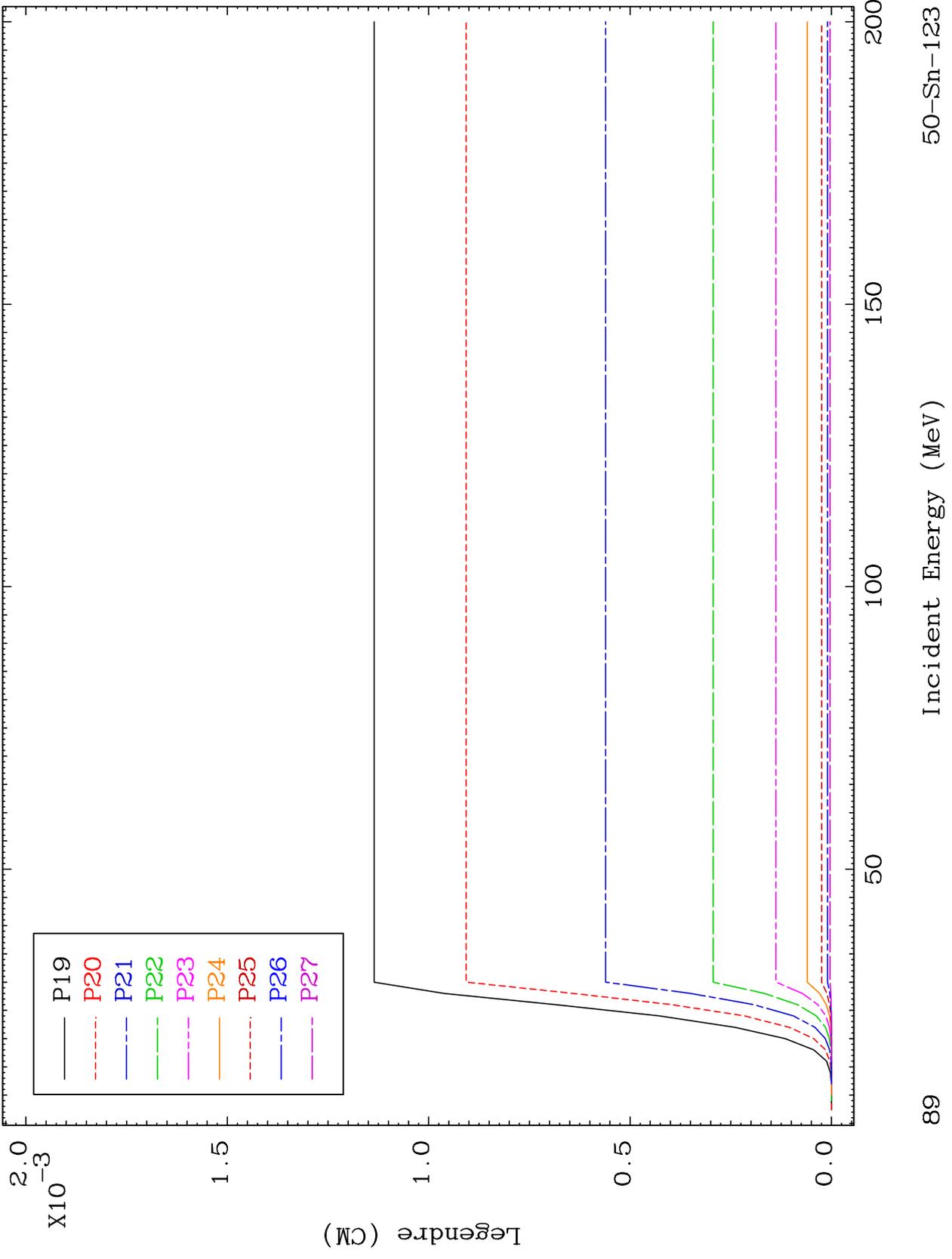
Incident Energy (MeV)

88

MAT 5058

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

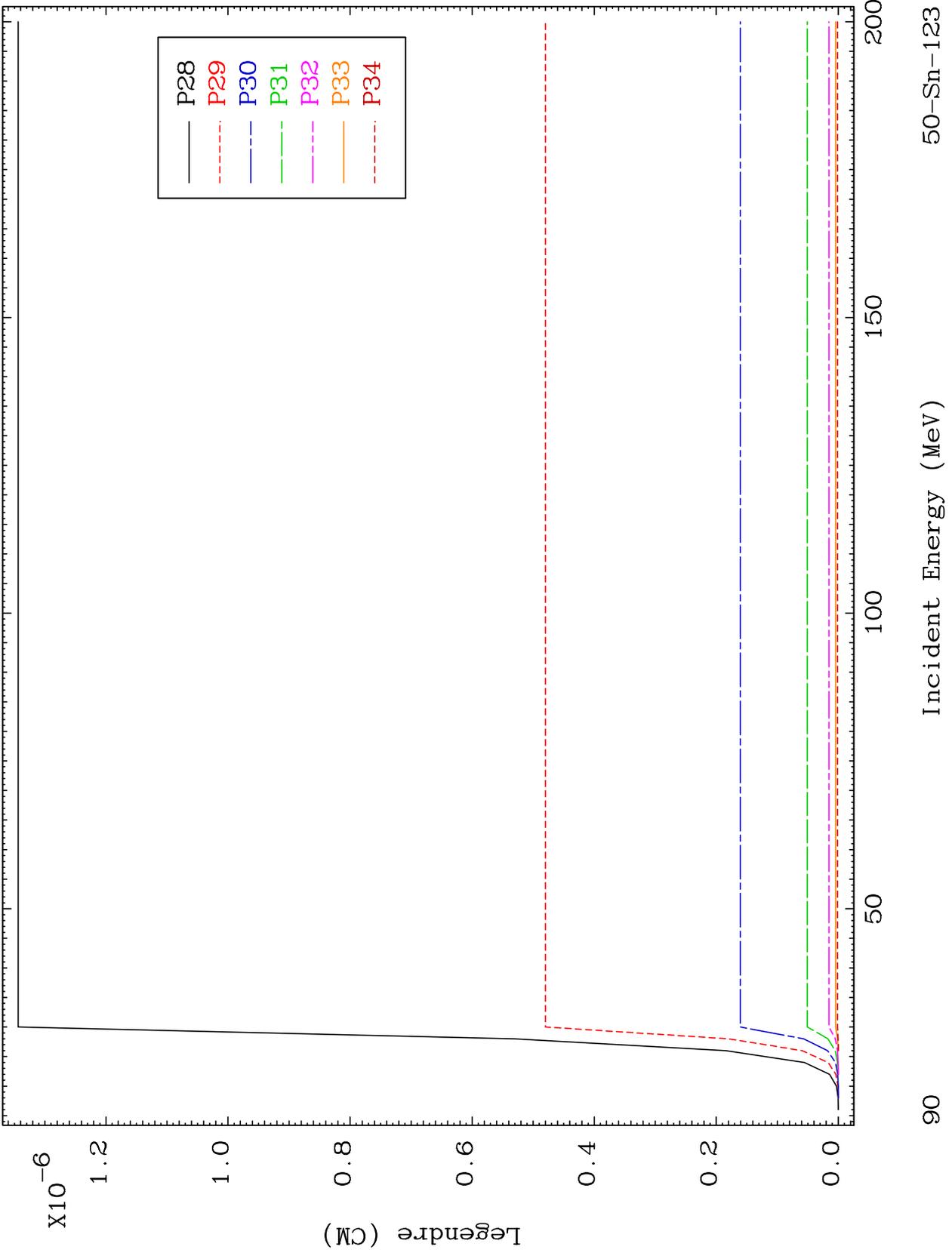
50-Sn-123



MAT 5058

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

50-Sn-123



90

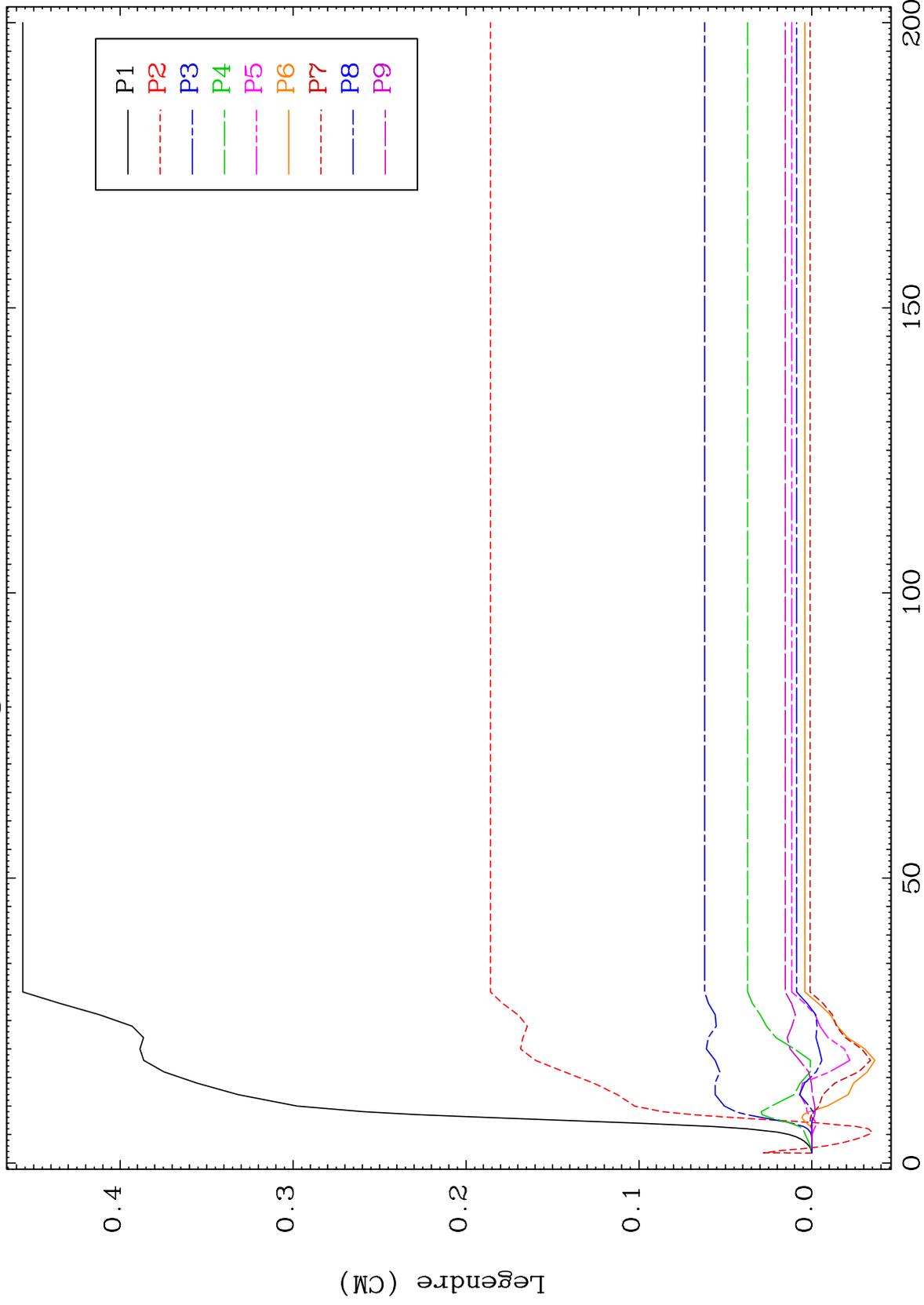
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



91

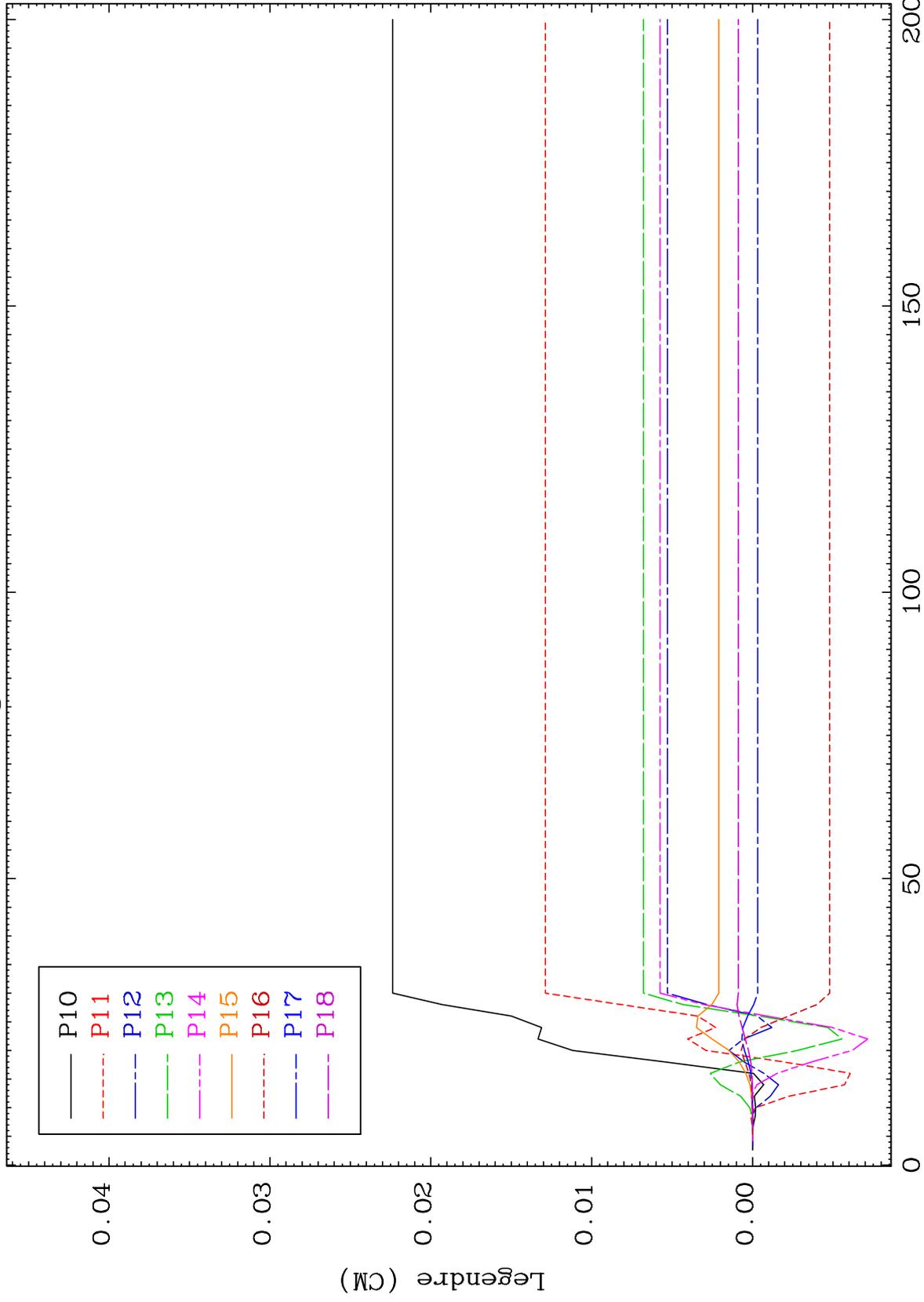
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



92

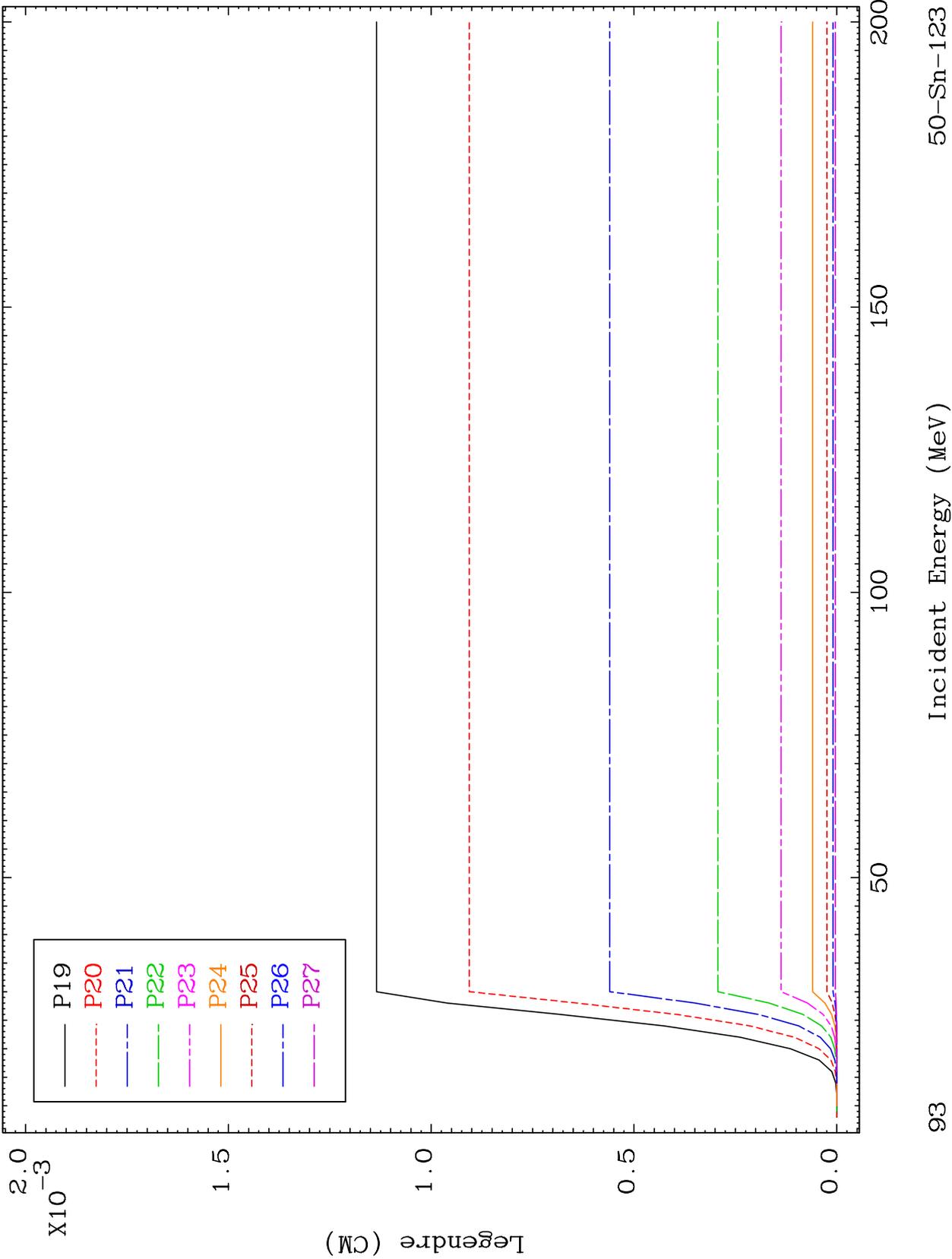
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



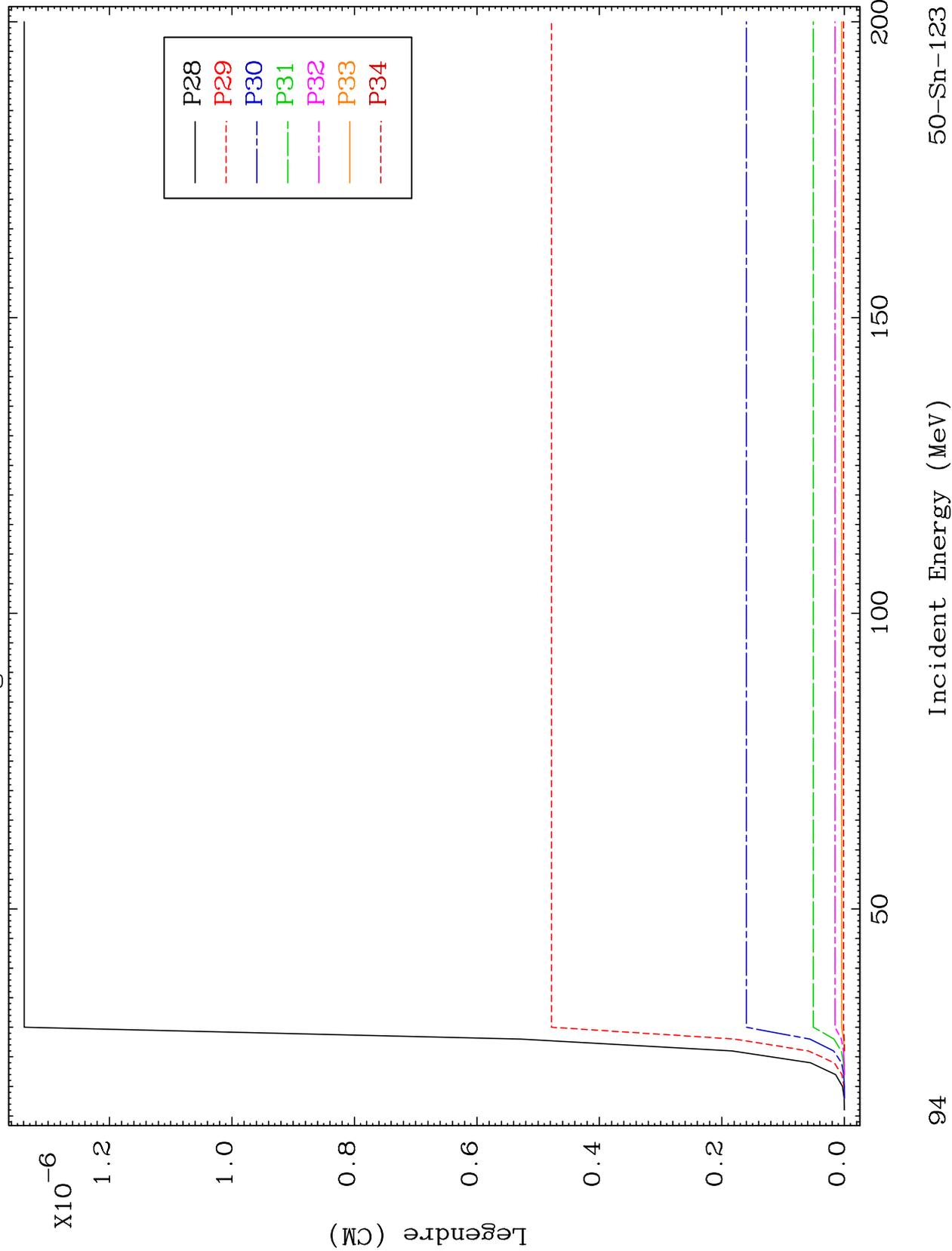
93

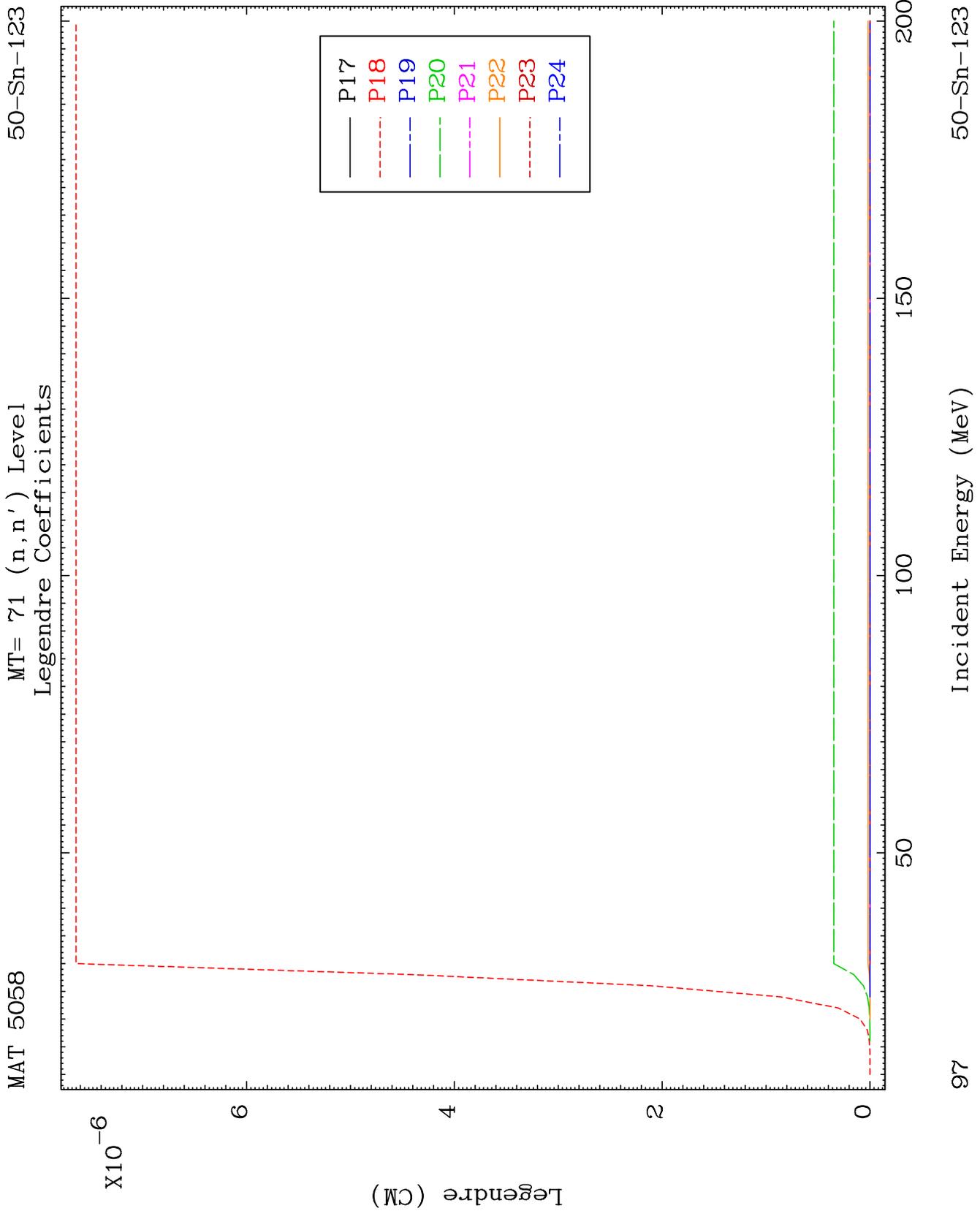
50-Sn-123

MAT 5058

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

50-Sn-123

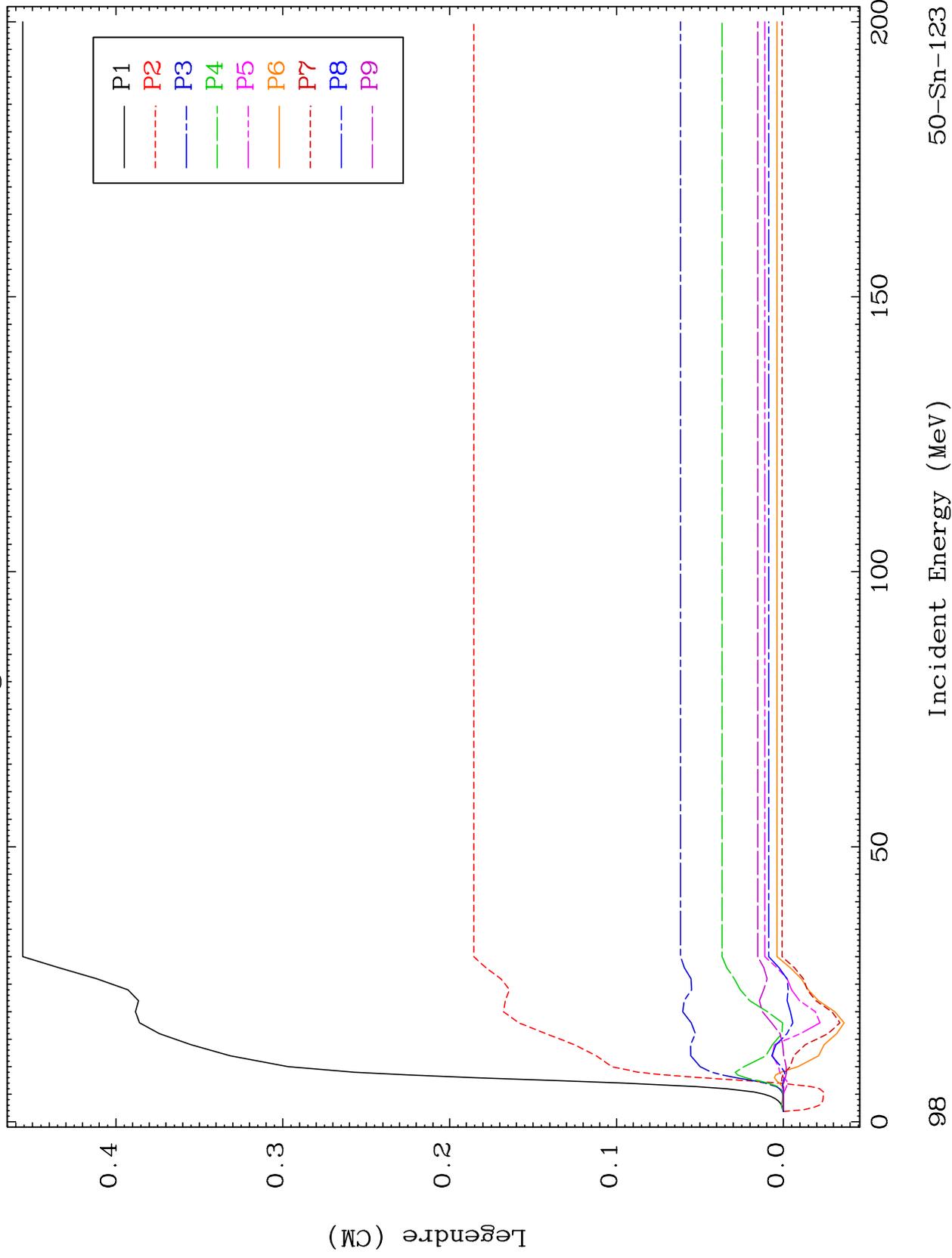




MAT 5058

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

50-Sn-123



50-Sn-123

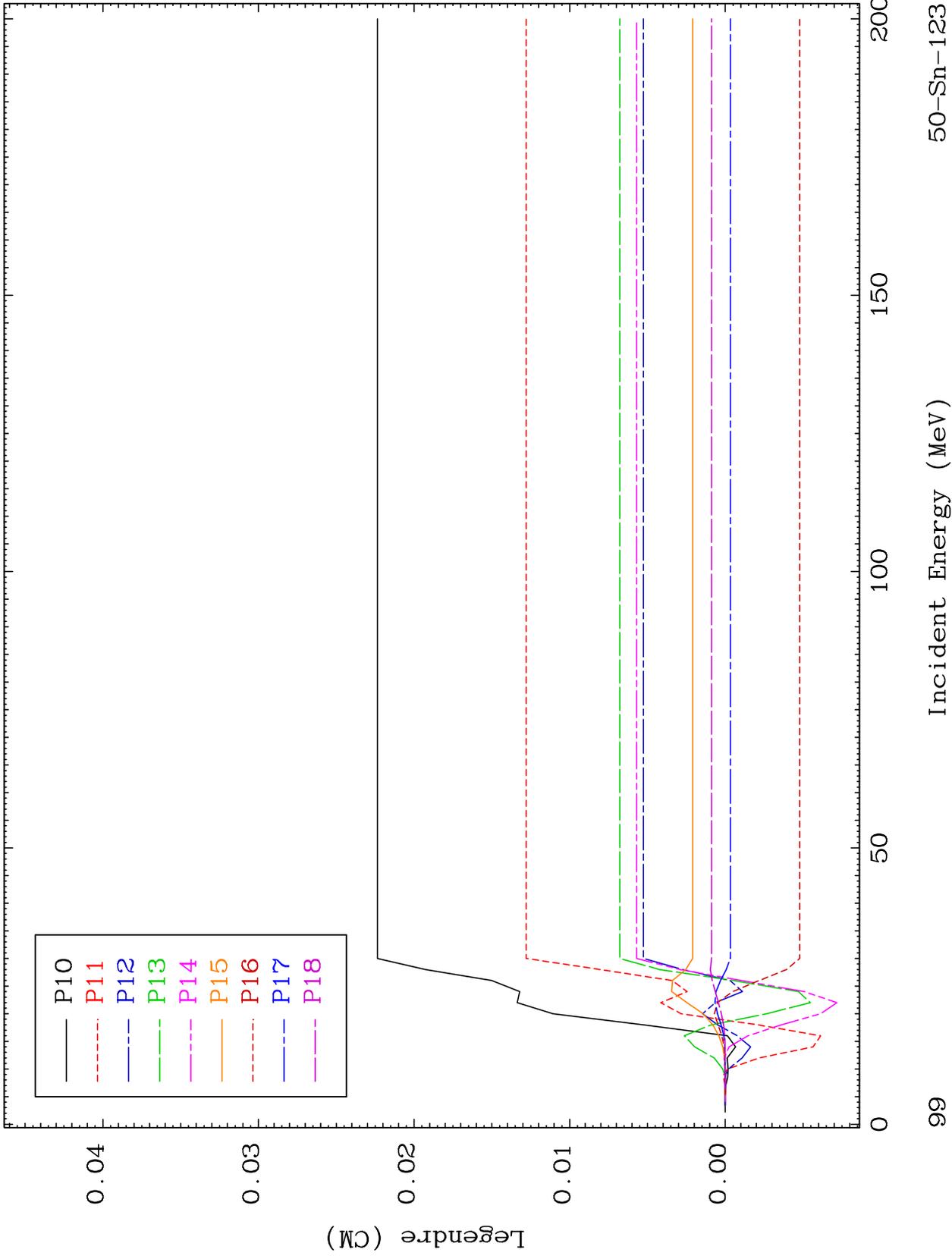
Incident Energy (MeV)

98

MAT 5058

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

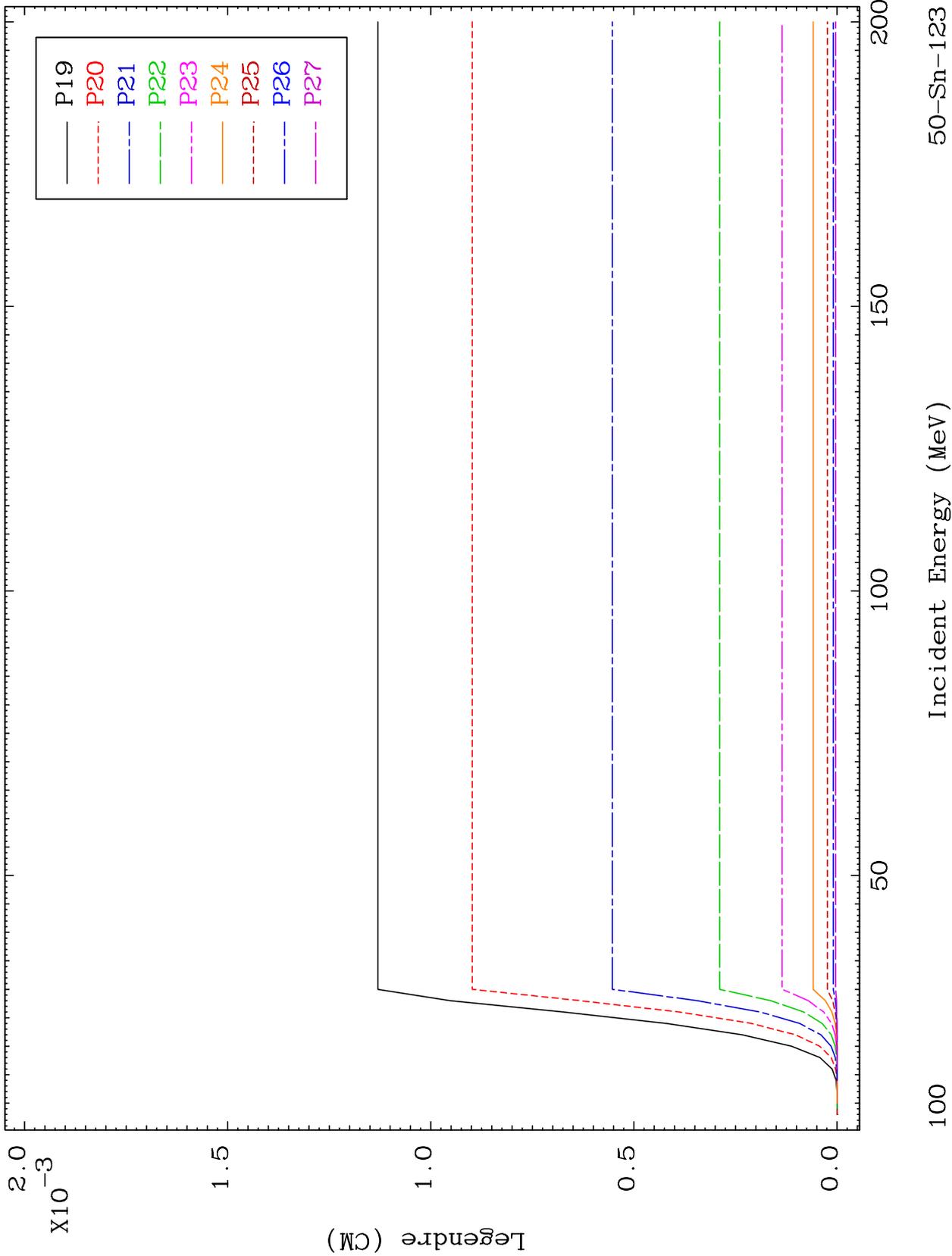
50-Sn-123



MAT 5058

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

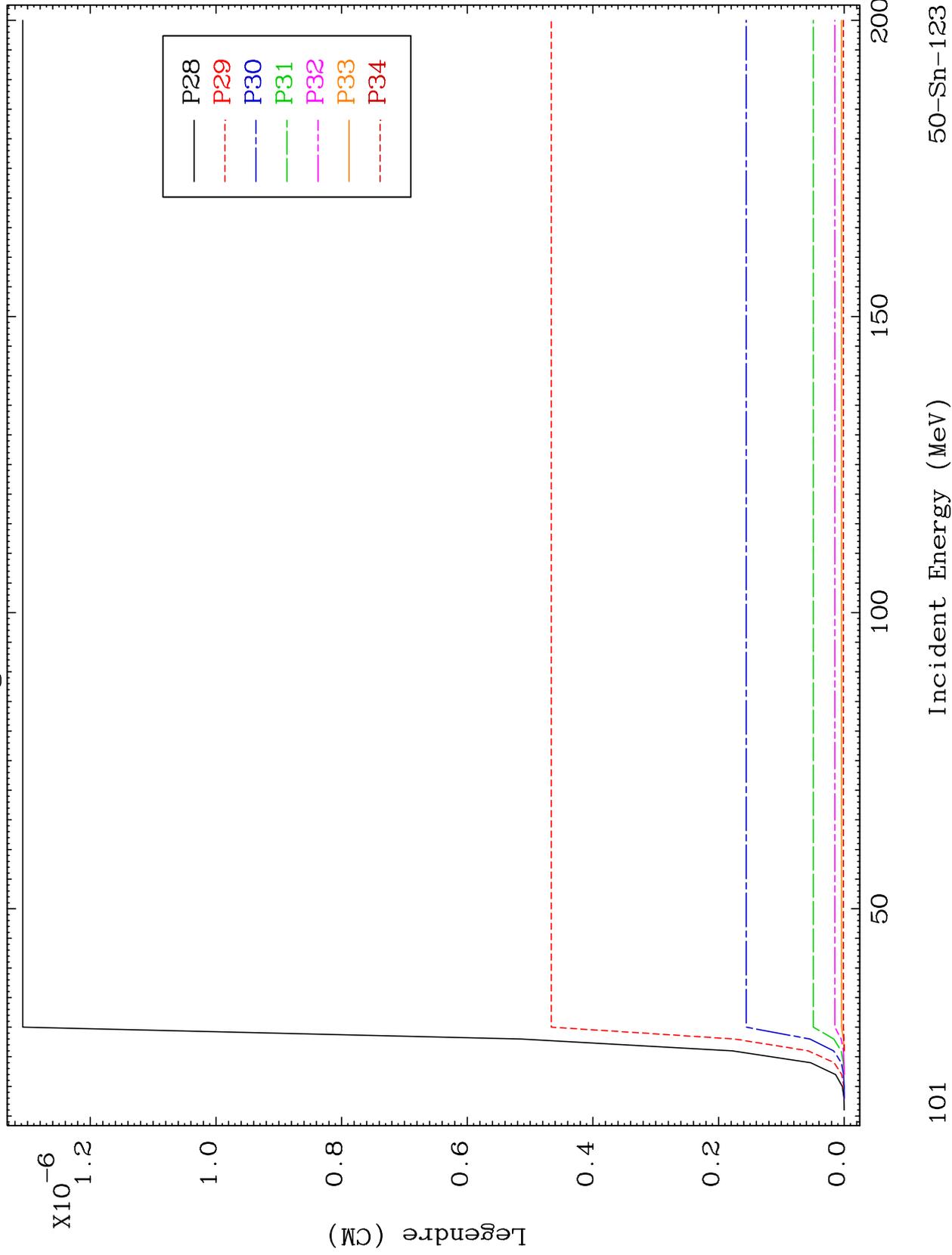
50-Sn-123



MAT 5058

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

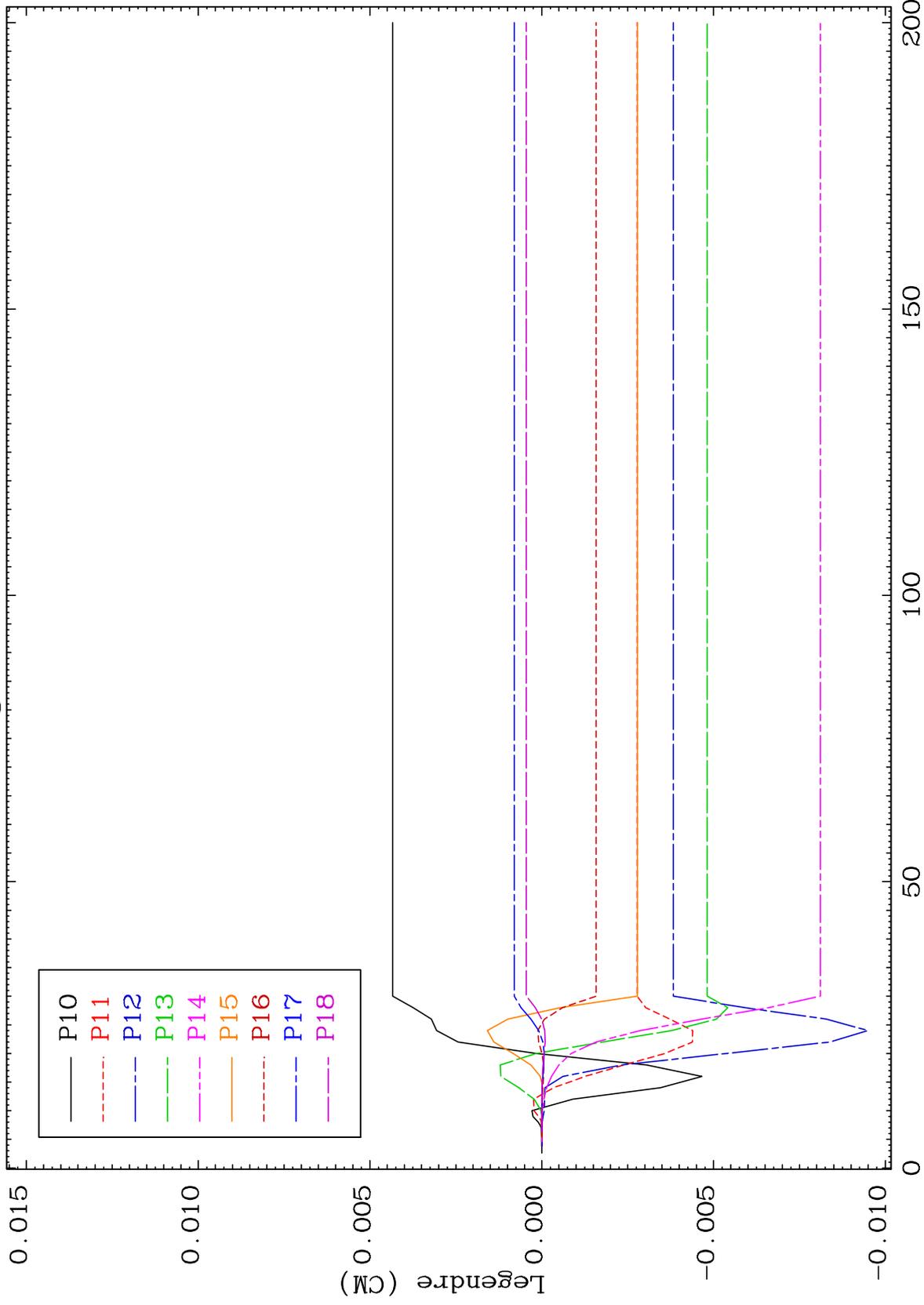
50-Sn-123



MAT 5058

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

50-Sn-123



103

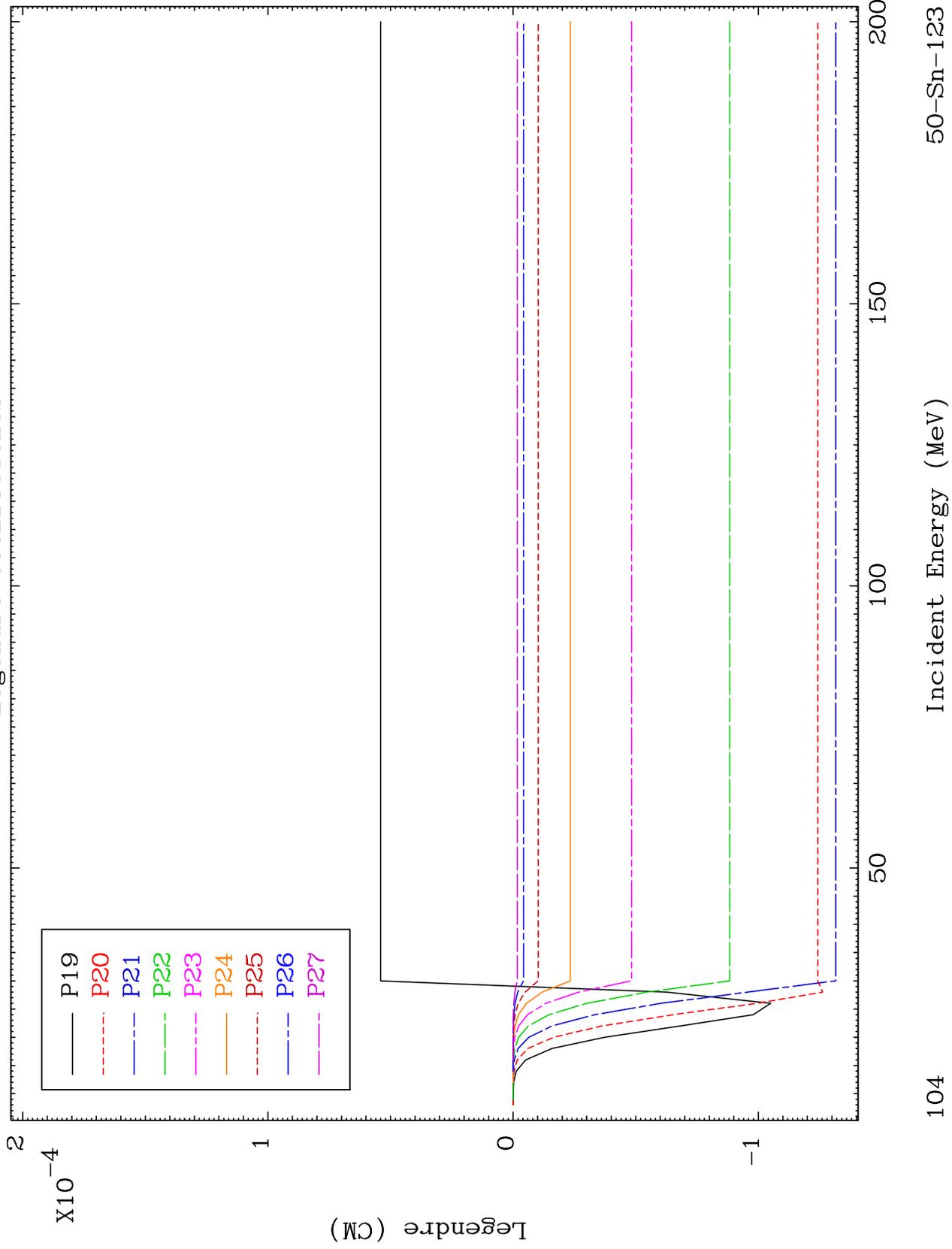
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

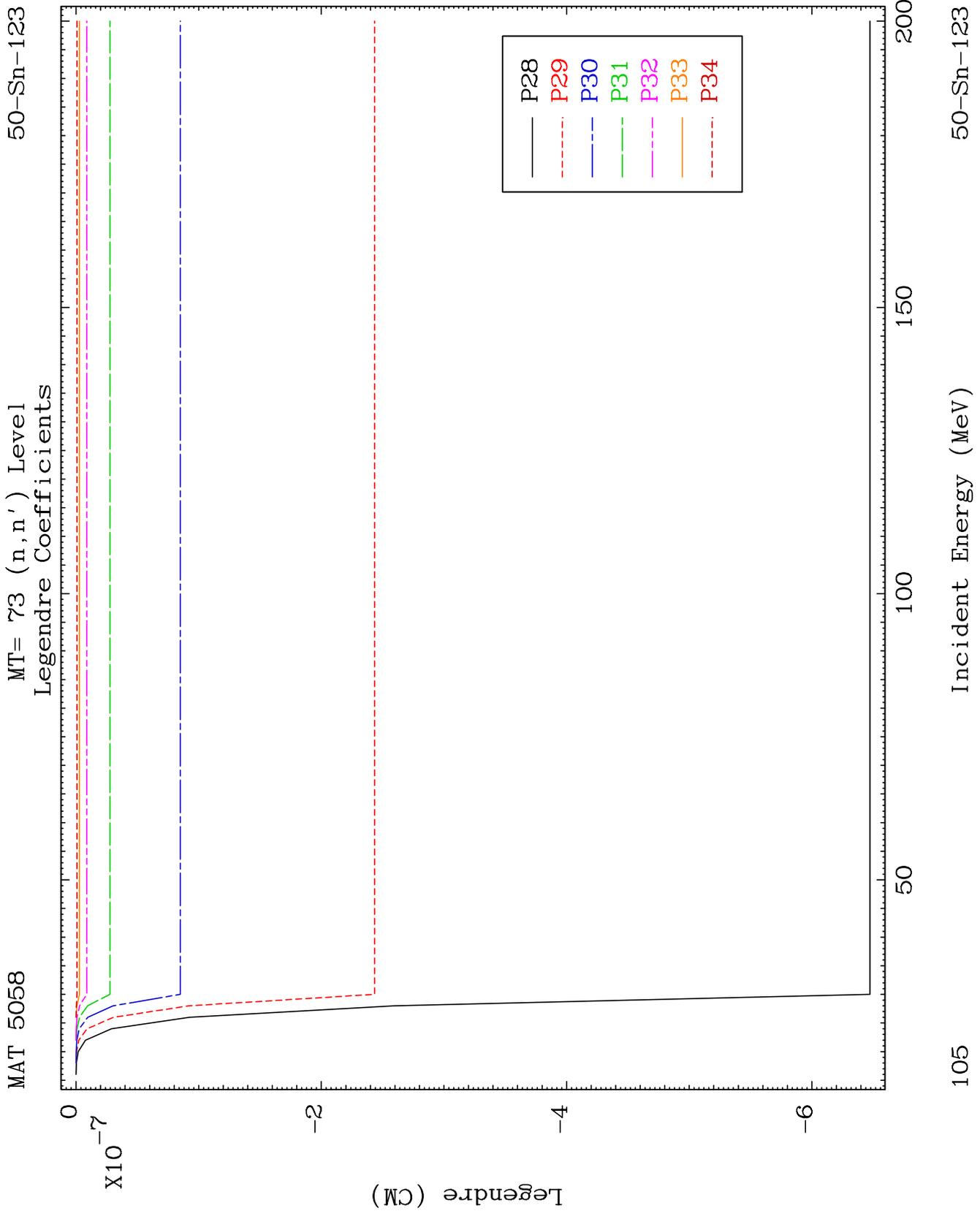
50-Sn-123



104

Incident Energy (MeV)

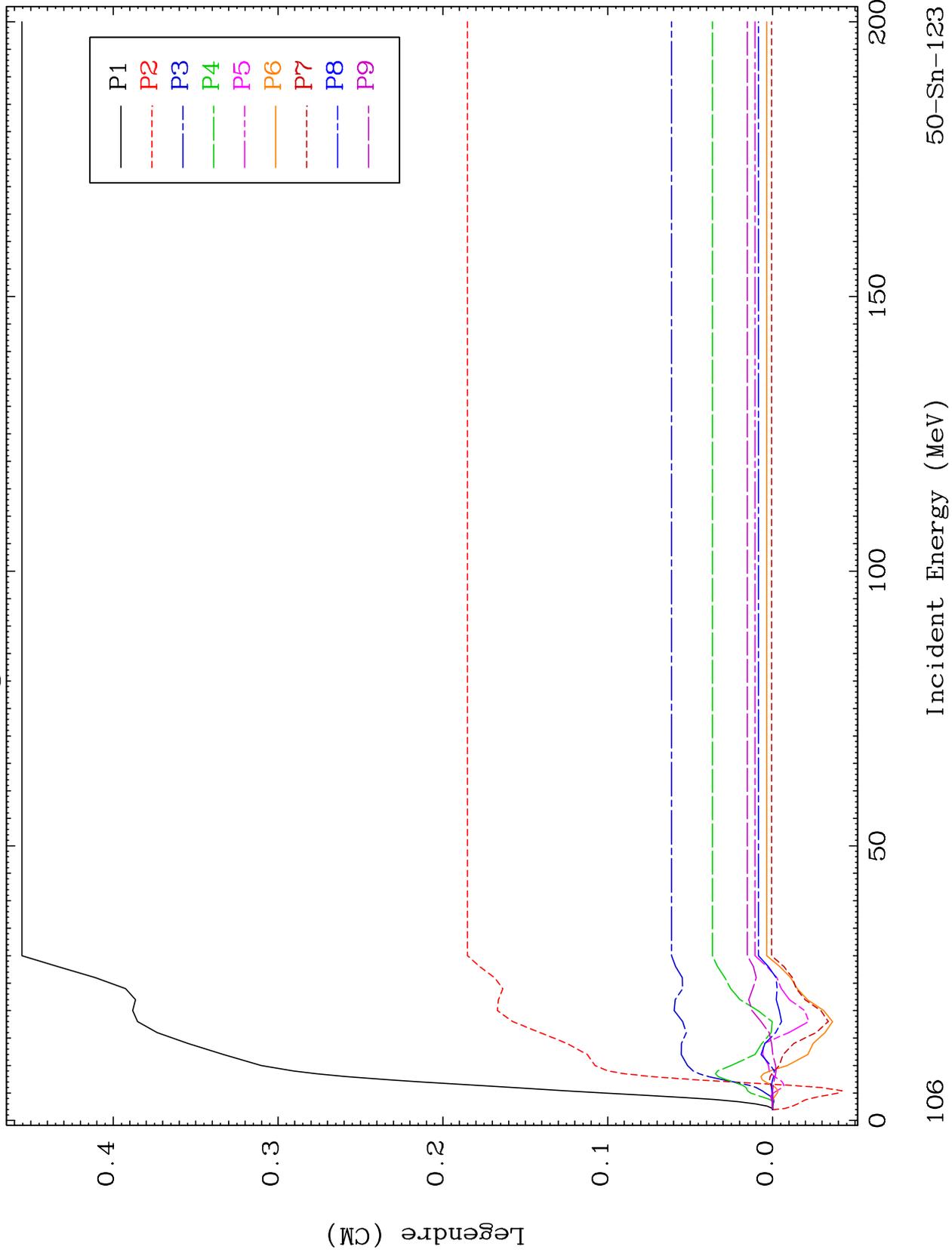
50-Sn-123



MAT 5058

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

50-Sn-123



50-Sn-123

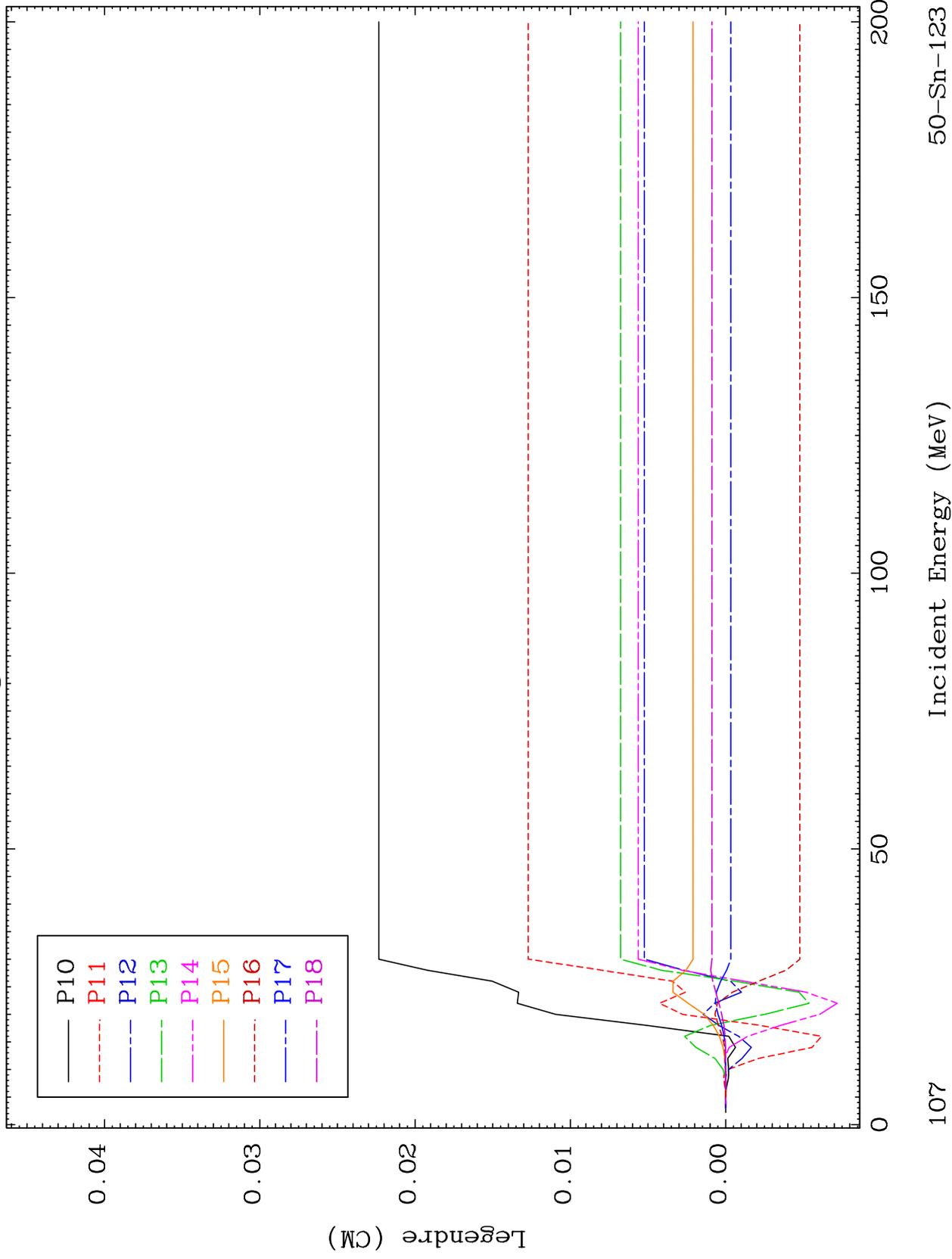
Incident Energy (MeV)

106

MAT 5058

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

50-Sn-123



107

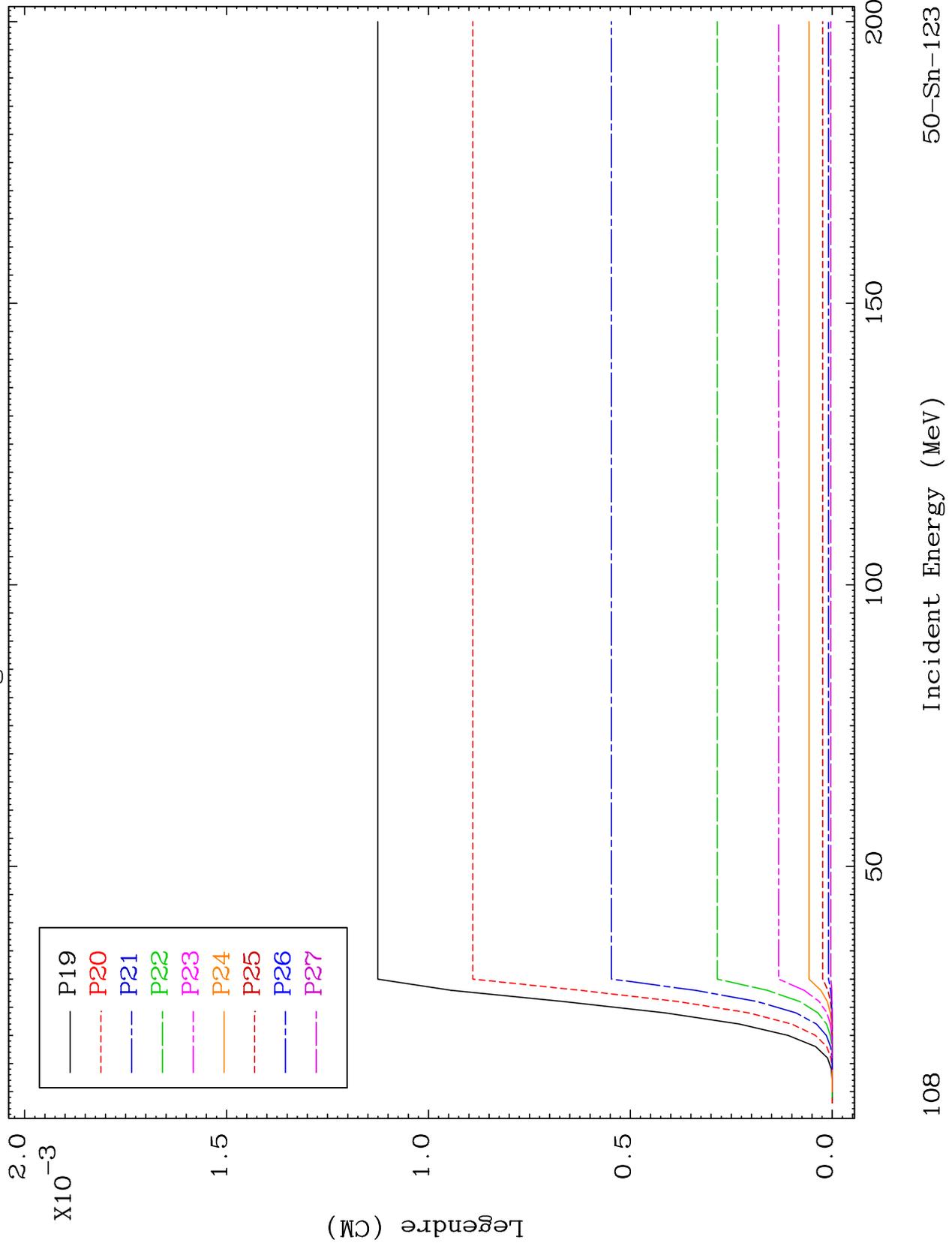
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



108

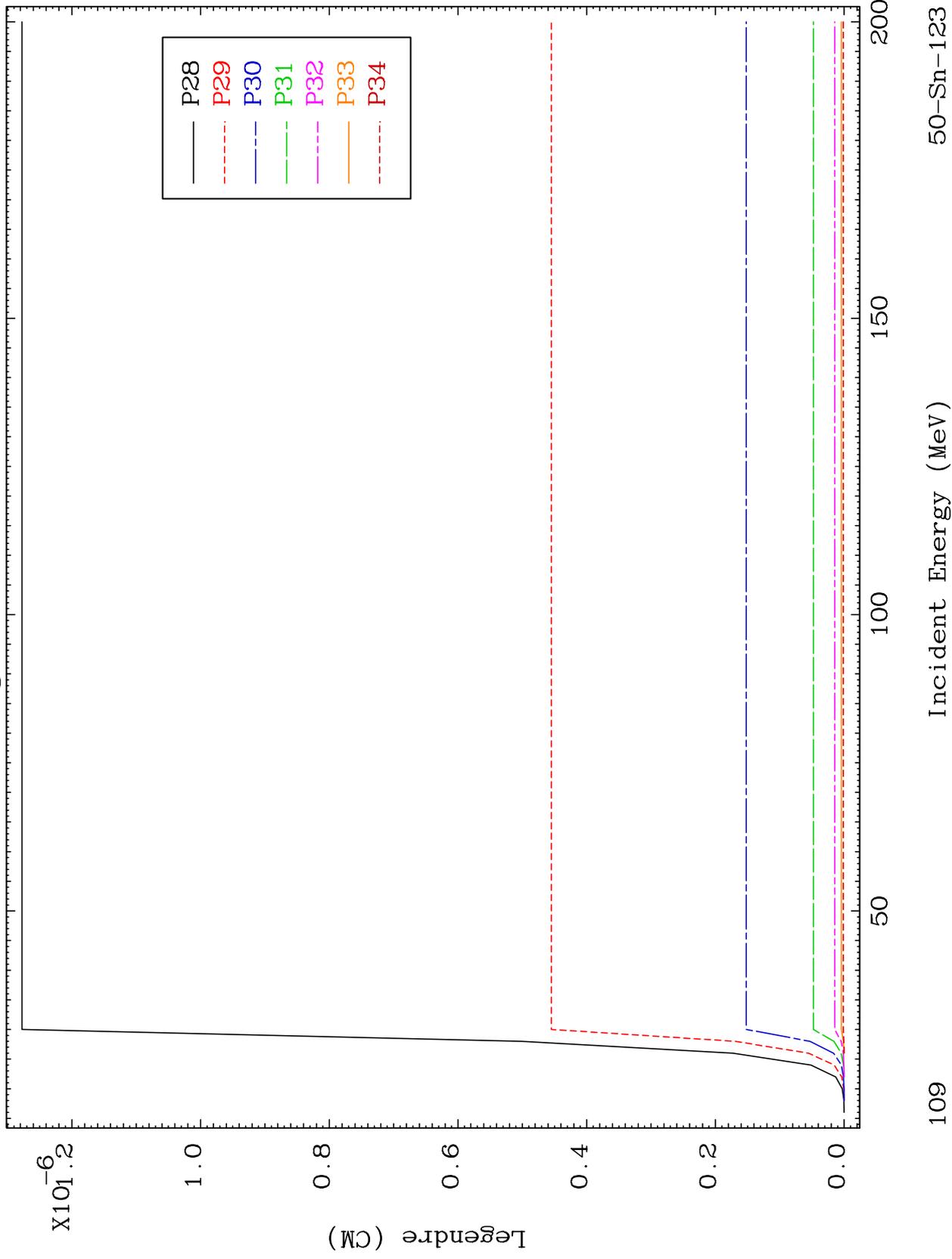
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123

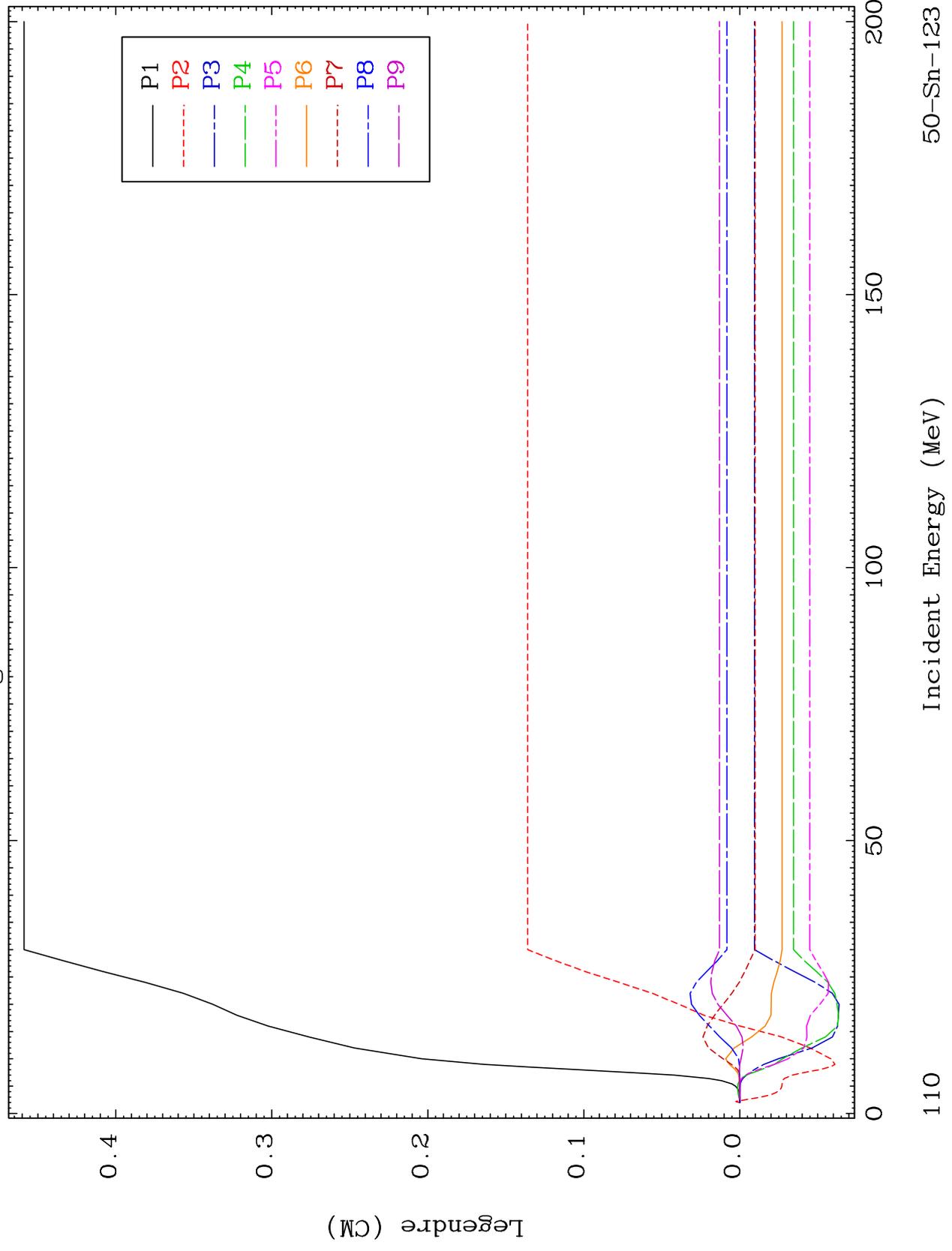


109

MAT 5058

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

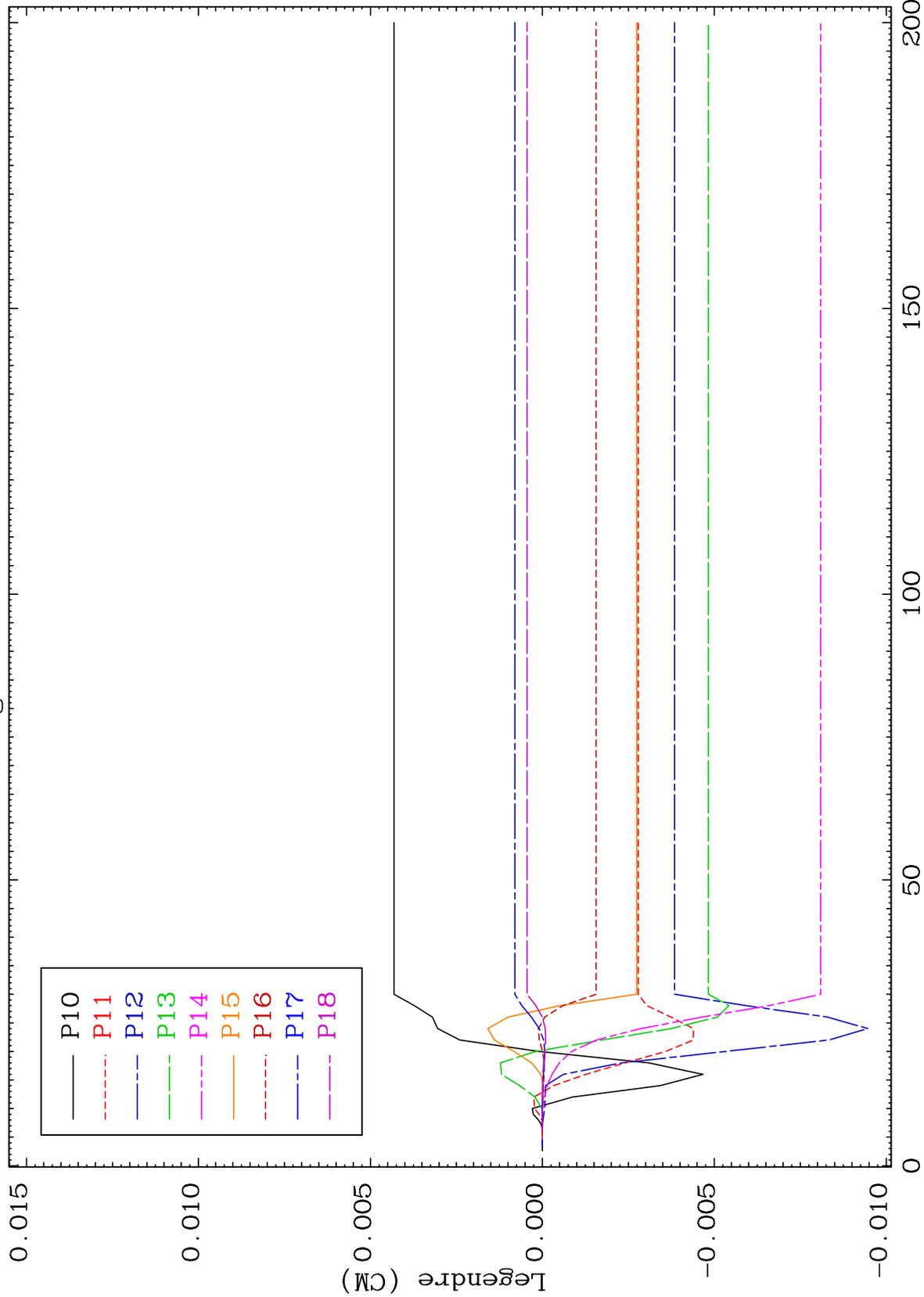
50-Sn-123



MAT 5058

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

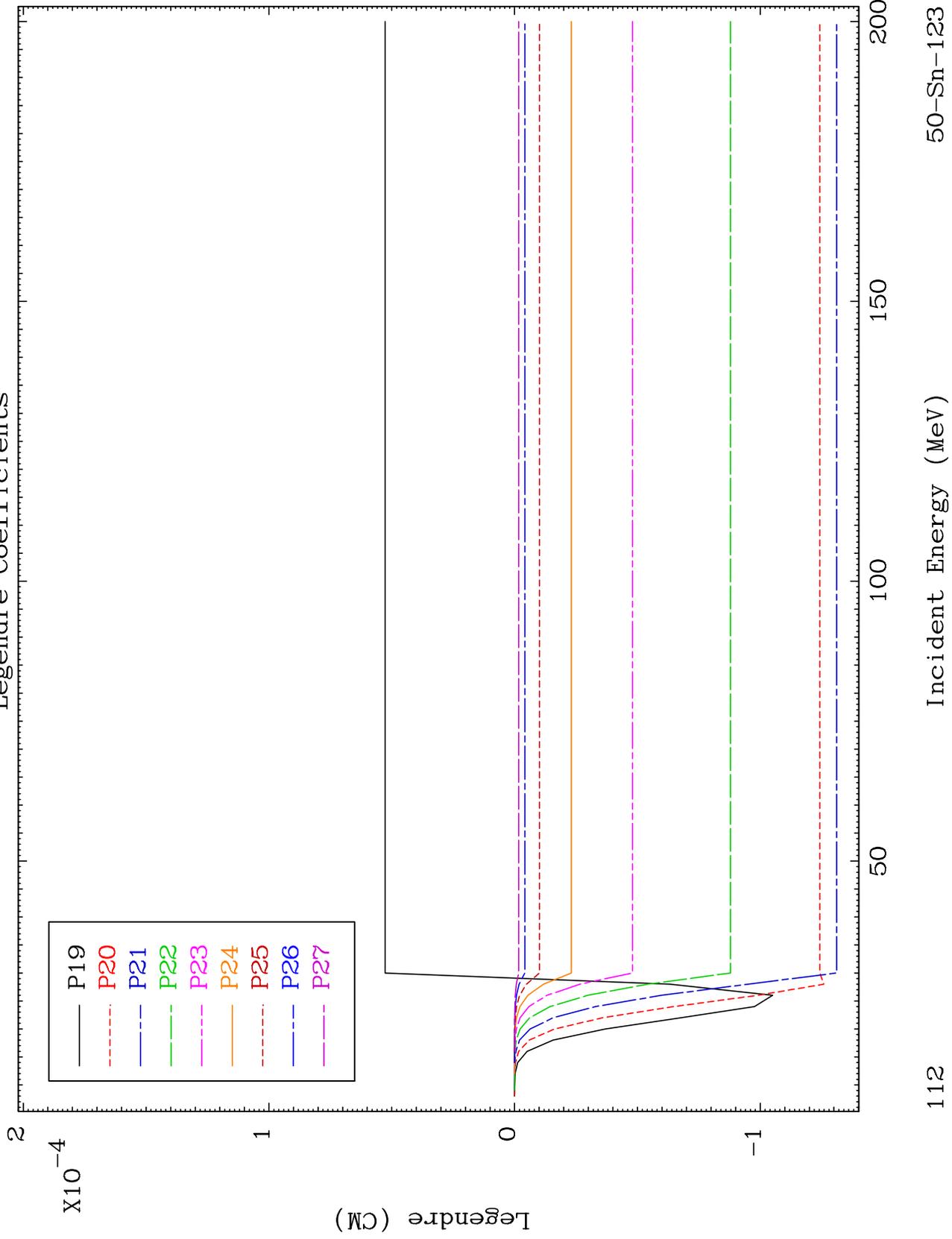
50-Sn-123

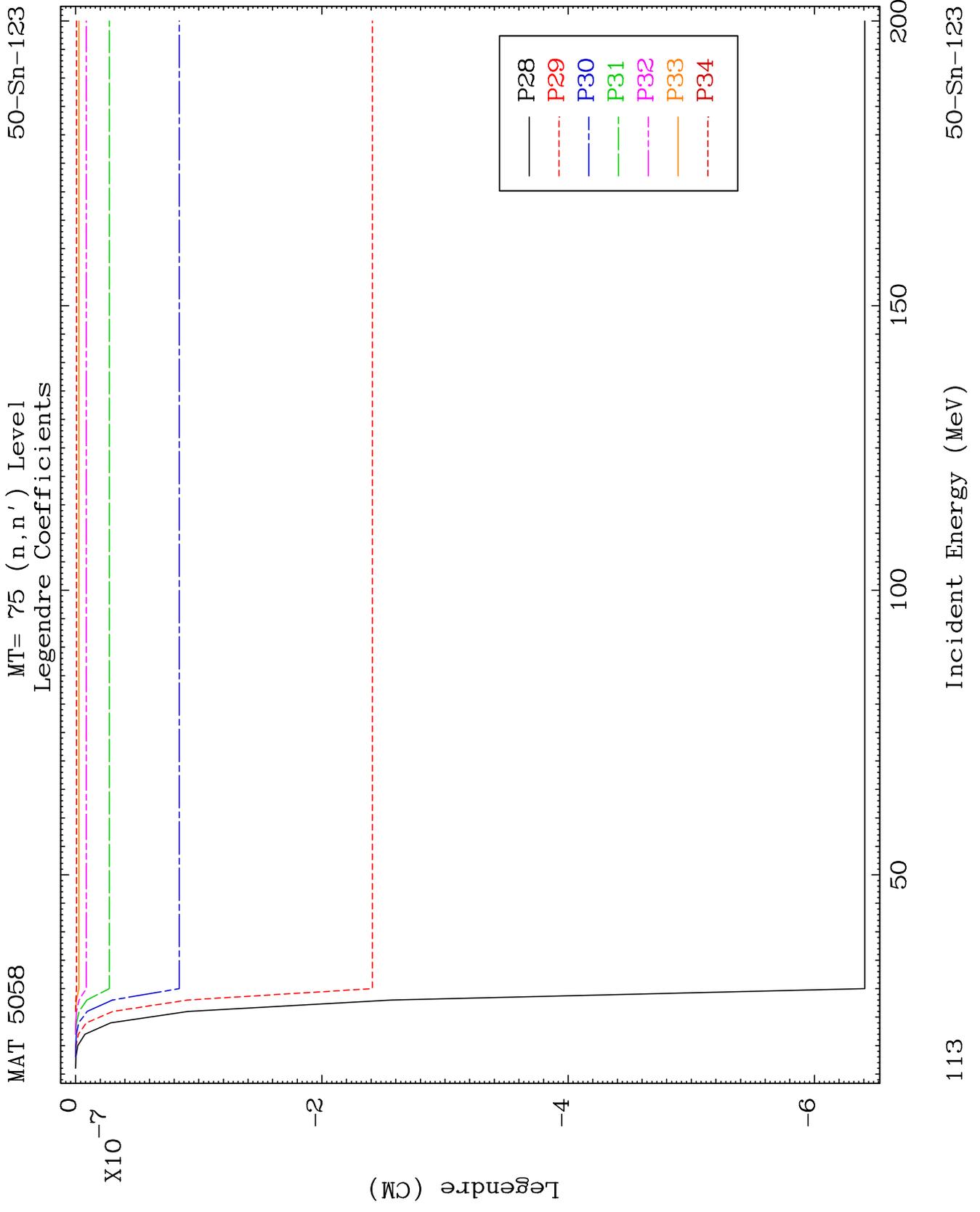


MAT 5058

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

50-Sn-123

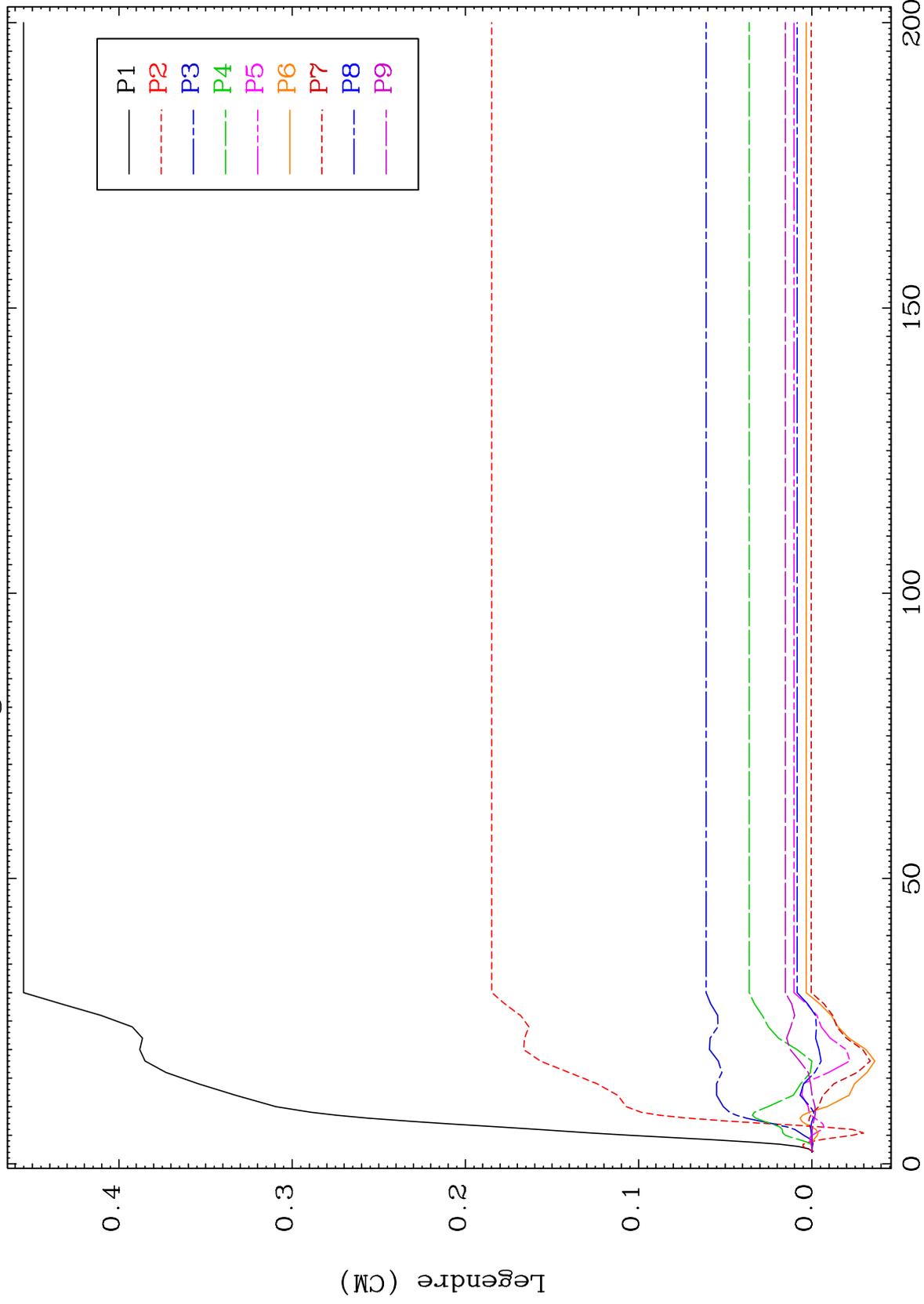




MAT 5058

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

50-Sn-123



114

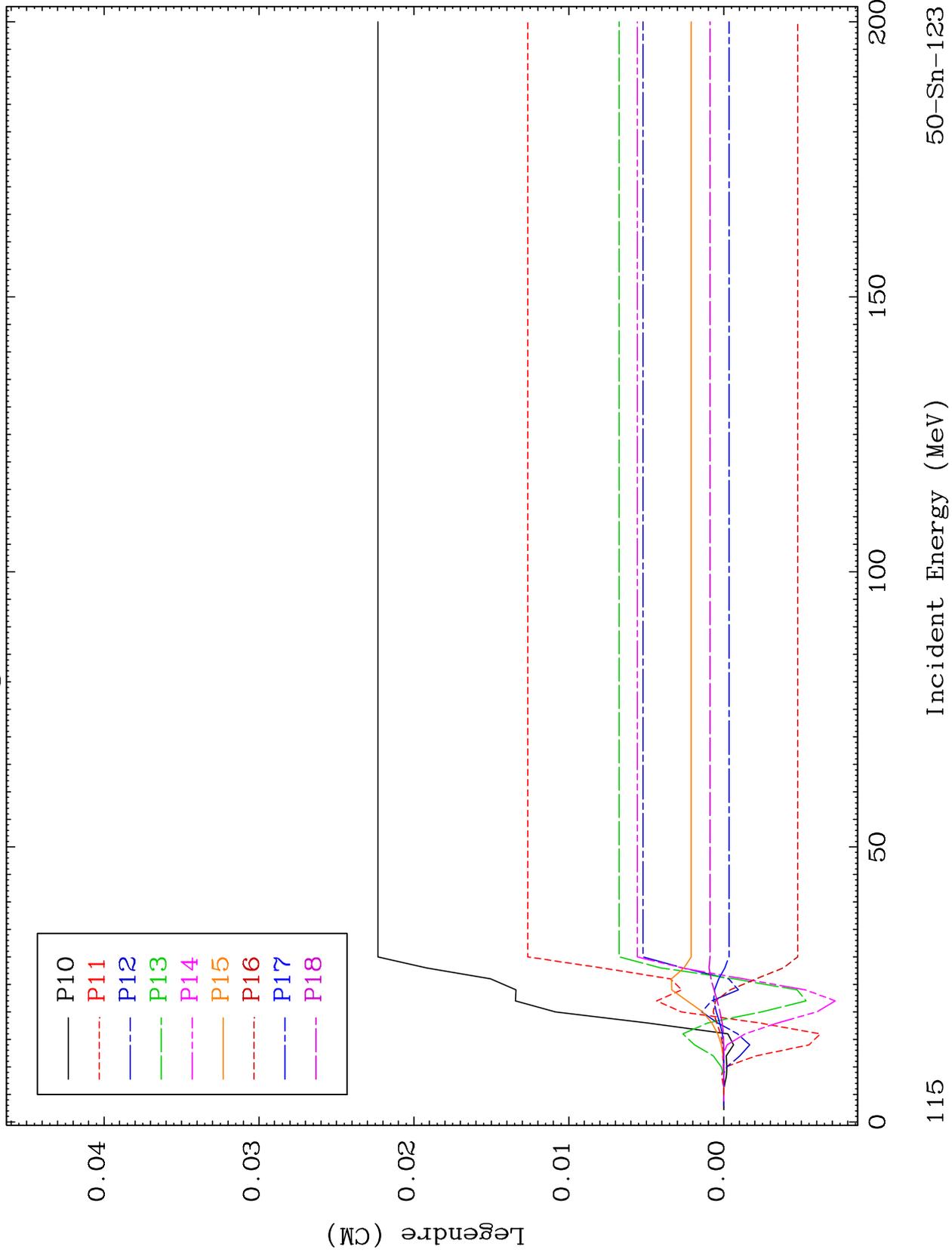
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

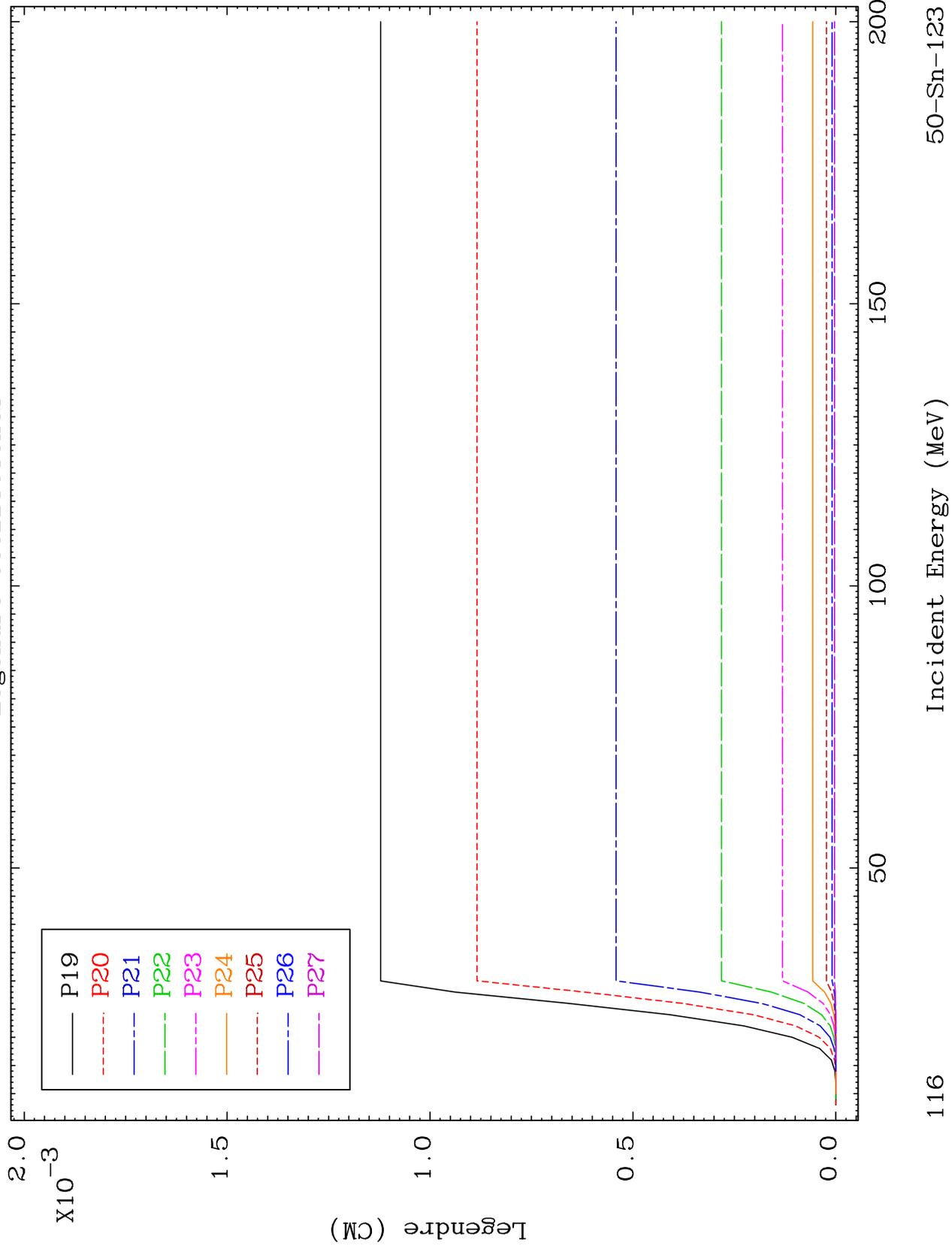
50-Sn-123



MAT 5058

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

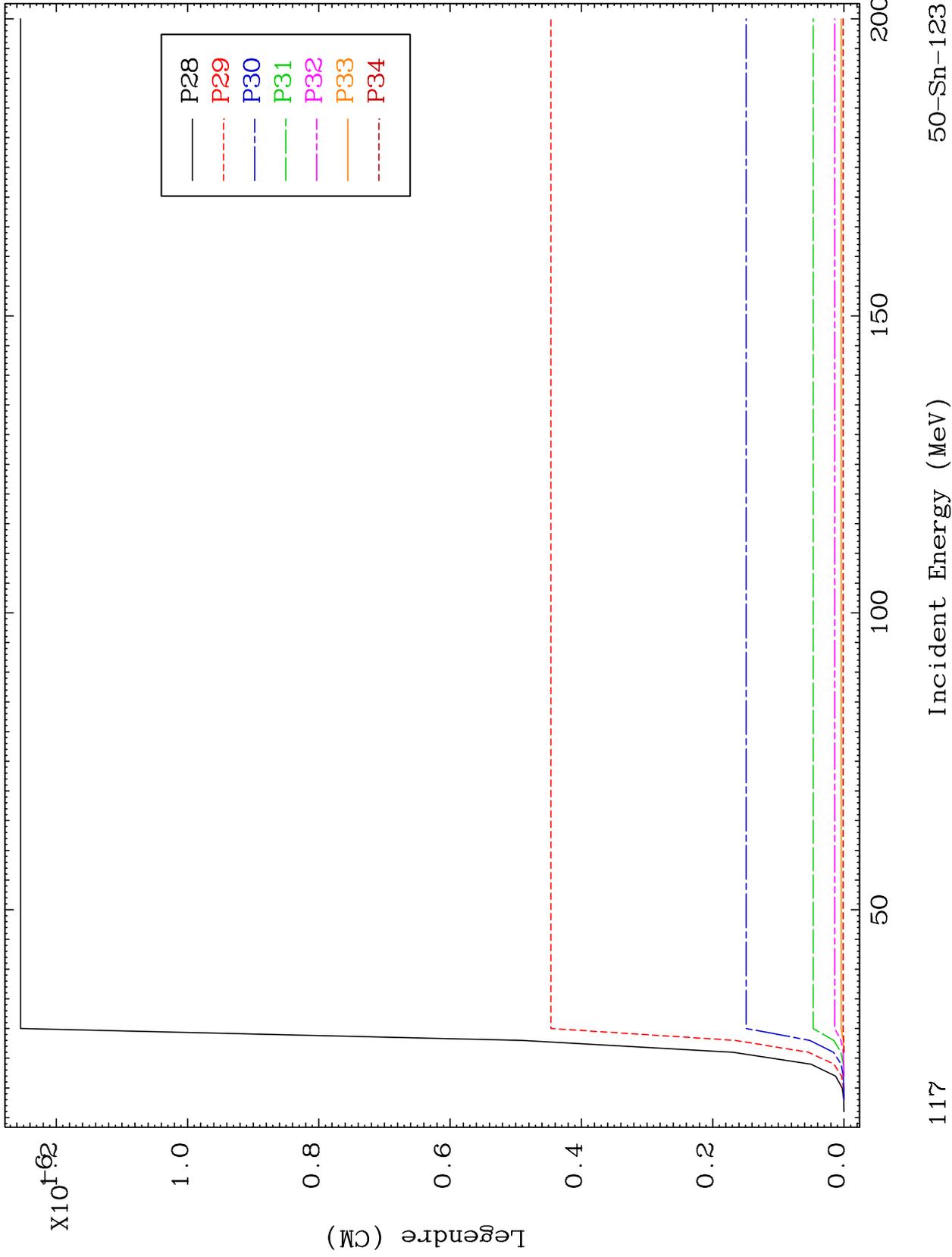
50-Sn-123



MAT 5058

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

50-Sn-123



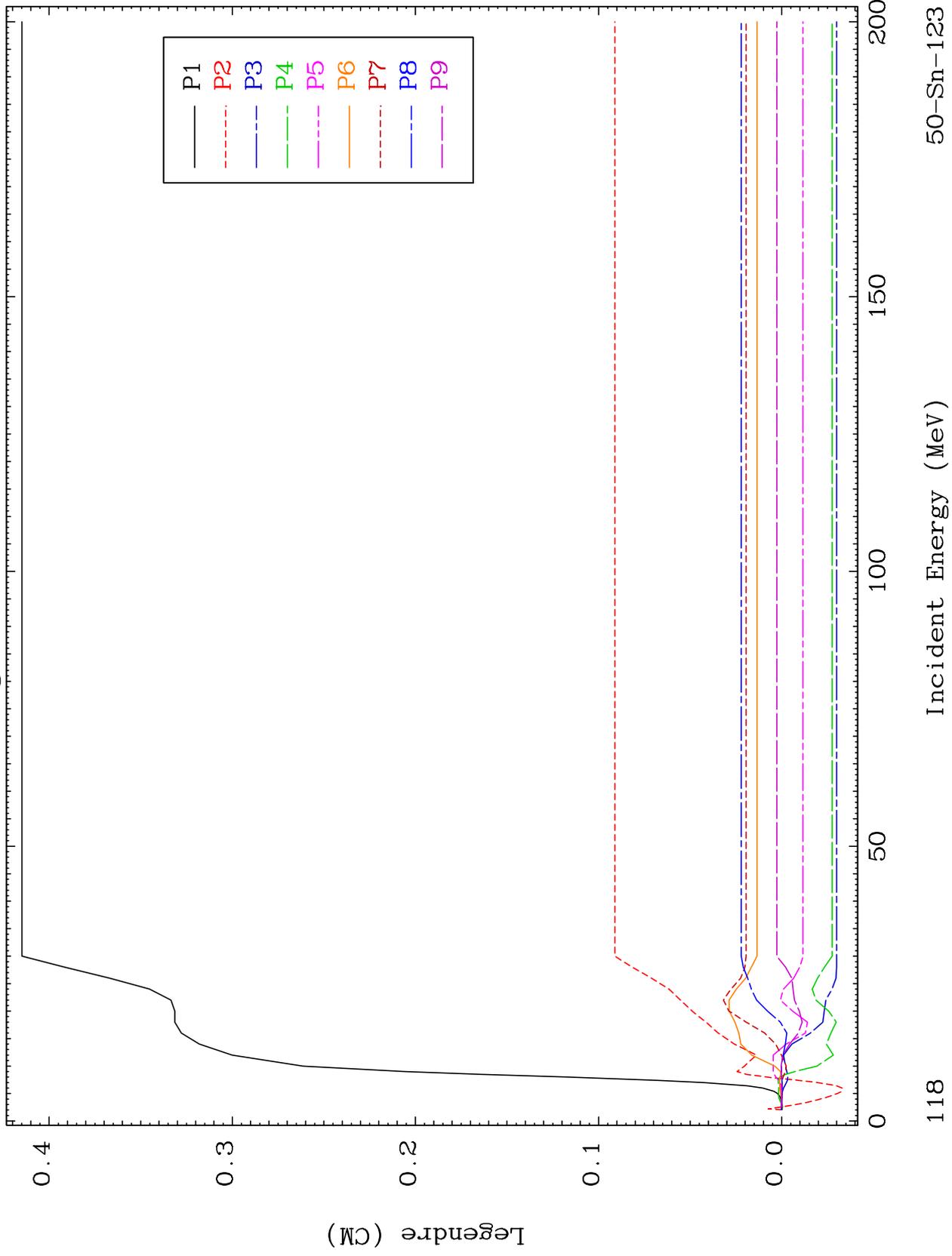
117

50-Sn-123

MAT 5058

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

50-Sn-123



50-Sn-123

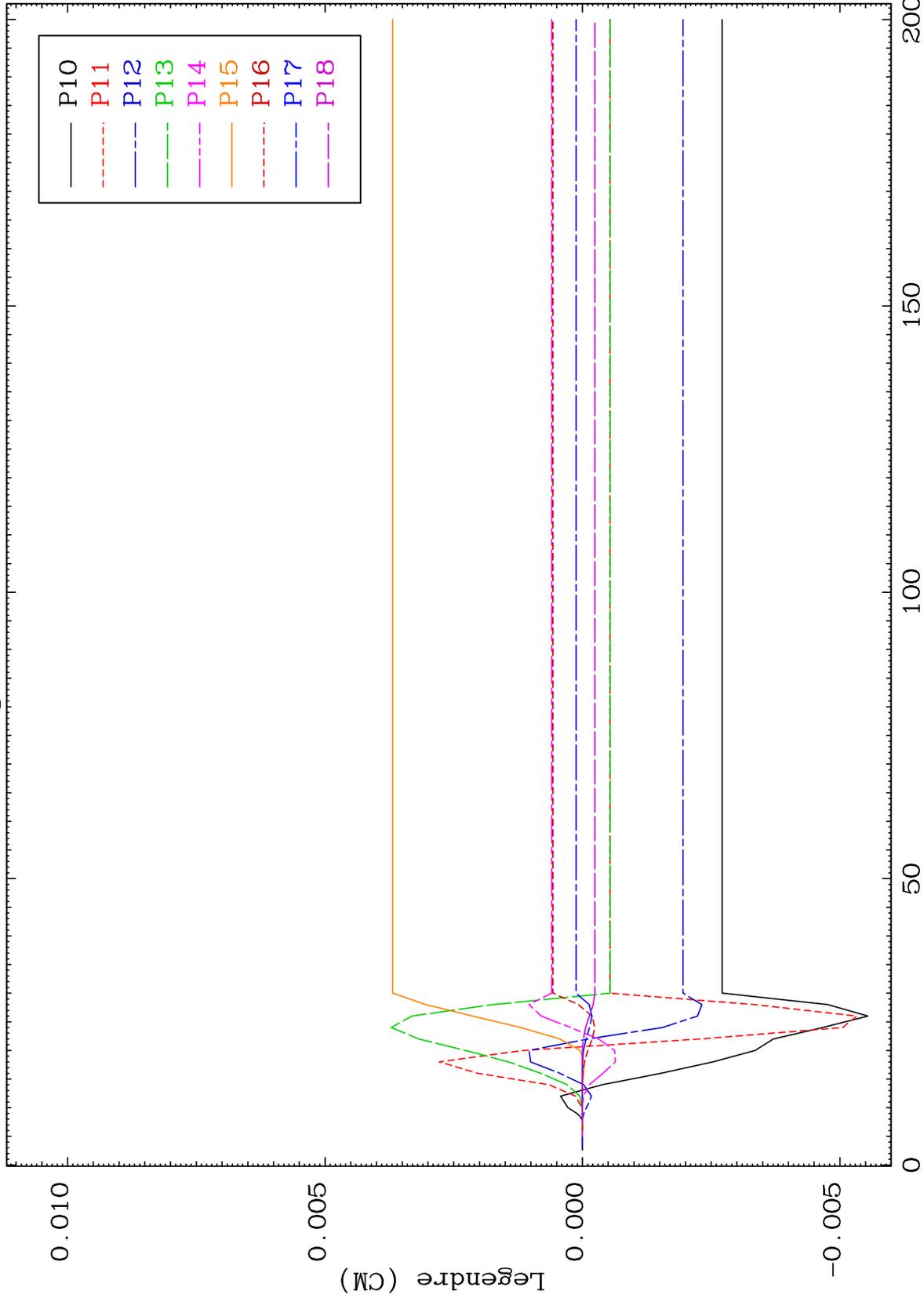
Incident Energy (MeV)

118

MAT 5058

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

50-Sn-123



119

Incident Energy (MeV)

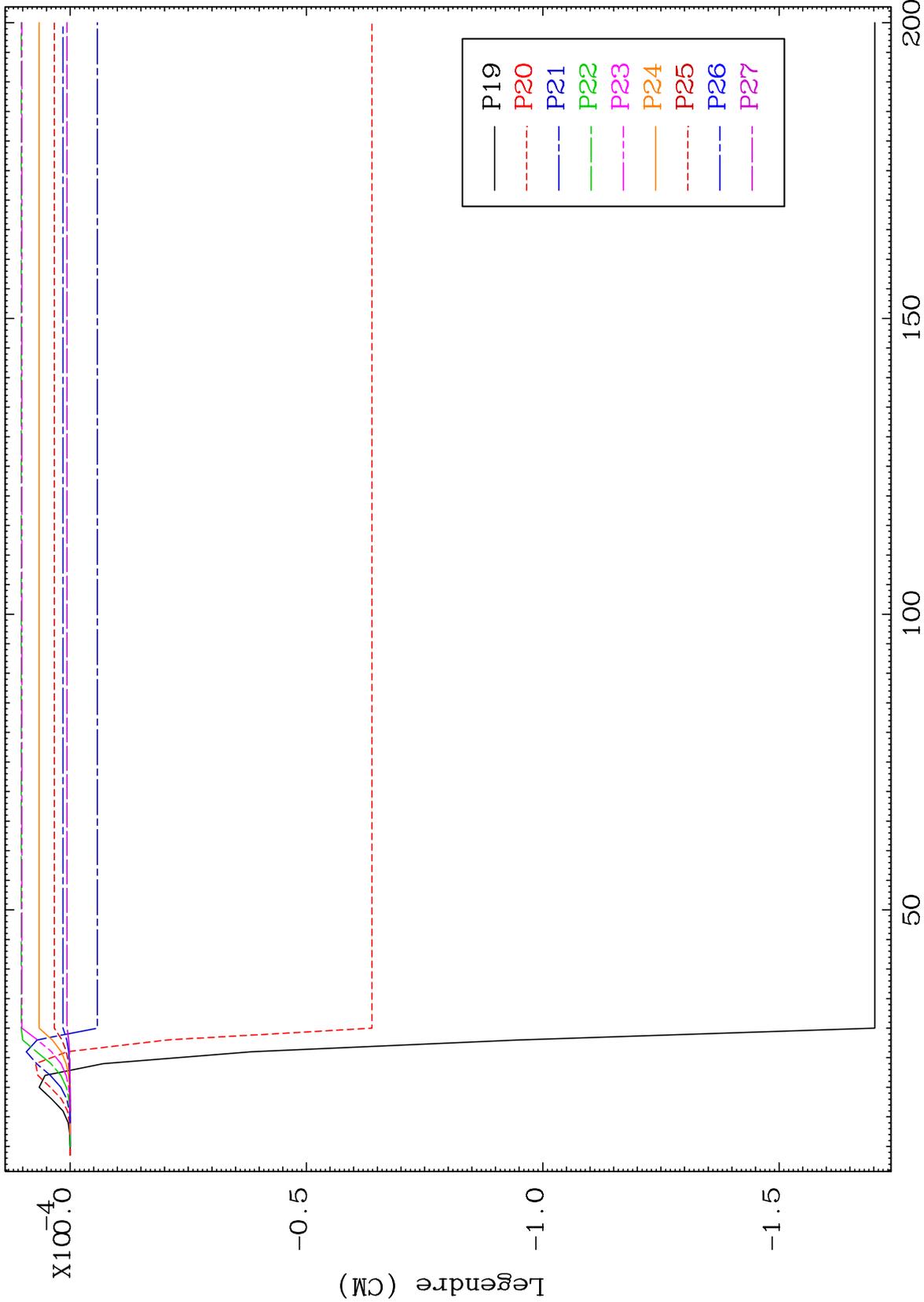
50-Sn-123

MAT 5058

MT= 77 (n,n') Level

50-Sn-123

Legendre Coefficients



120

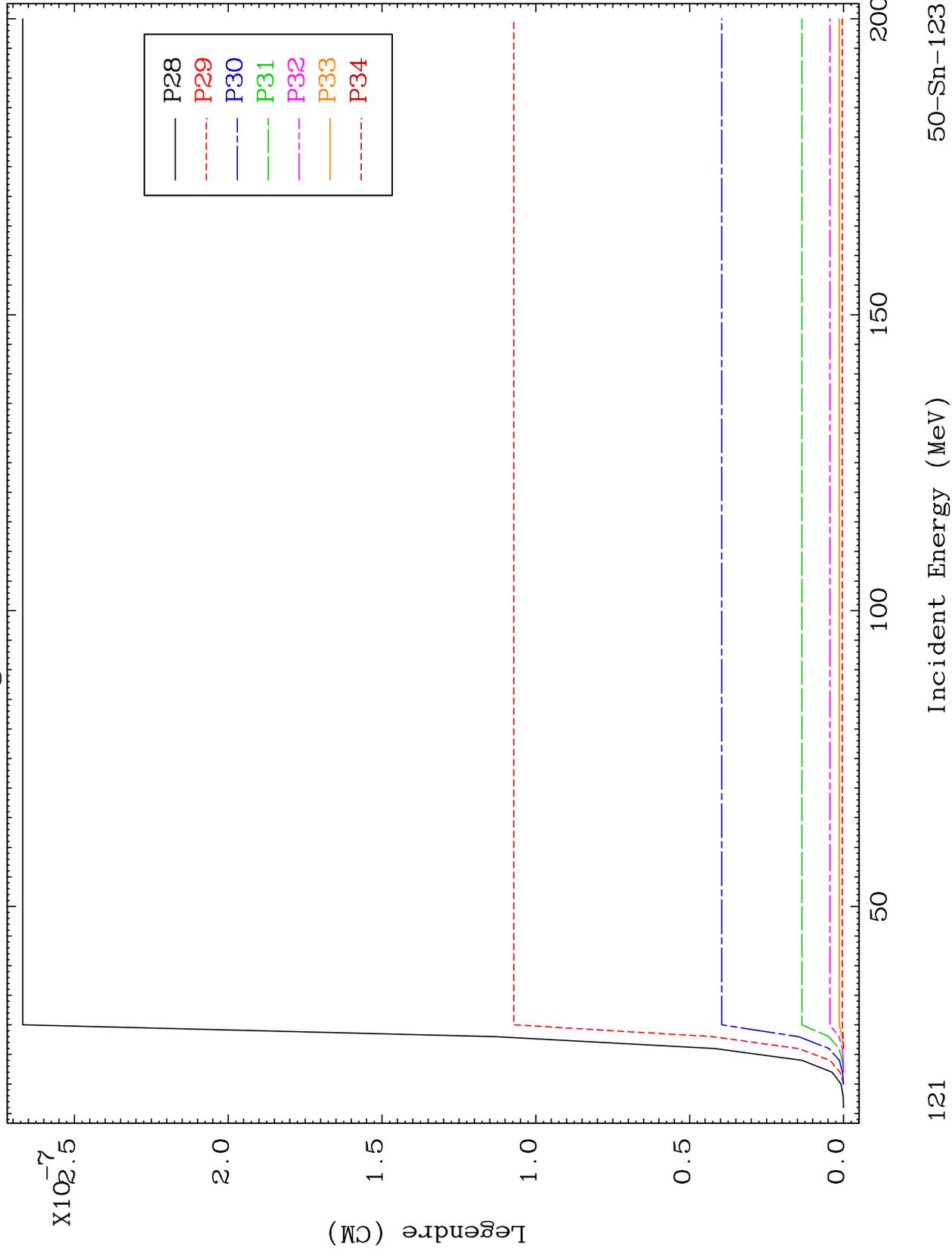
Incident Energy (MeV)

50-Sn-123

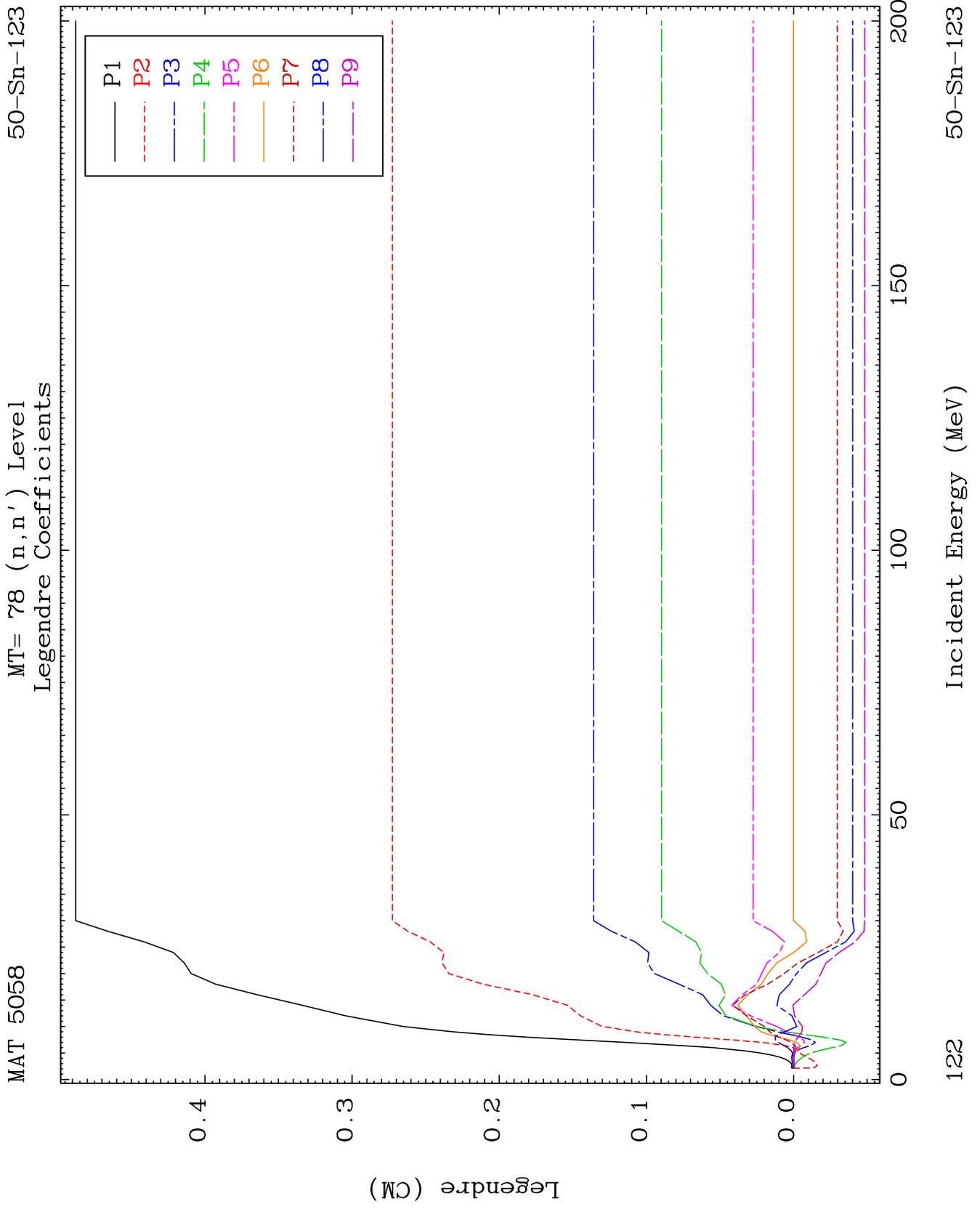
MAT 5058

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

50-Sn-123



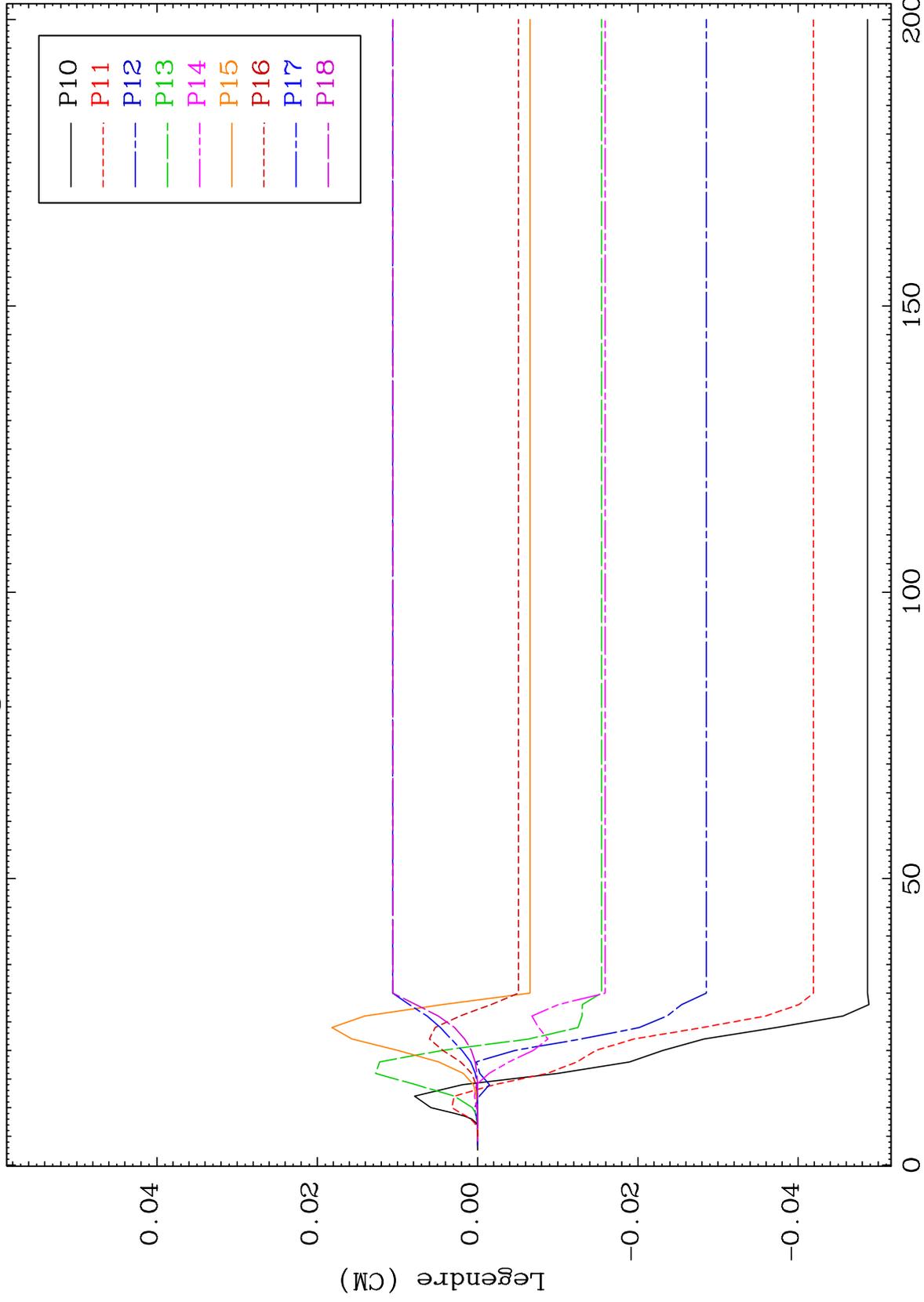
121



MAT 5058

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

50-Sn-123



123

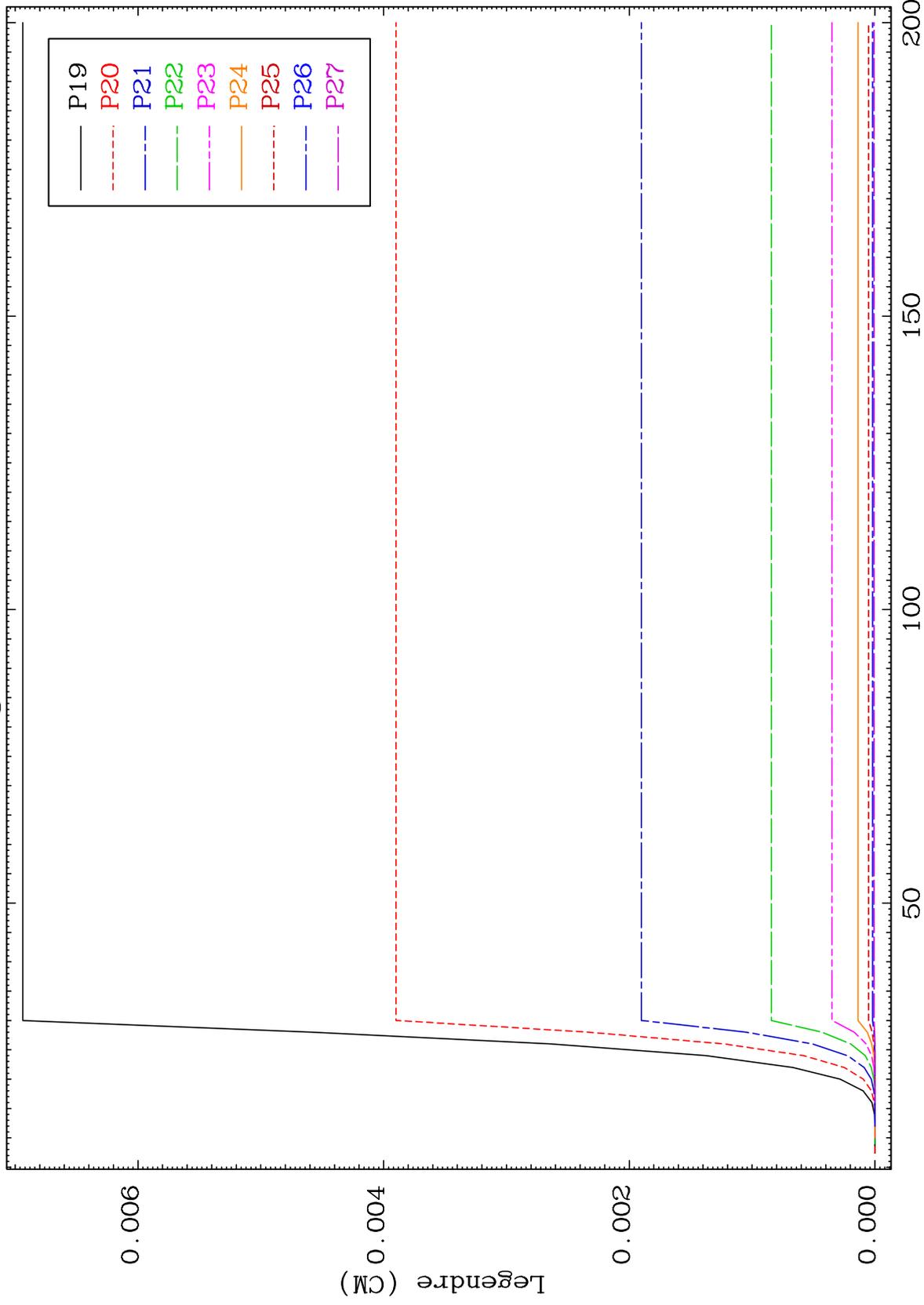
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



124

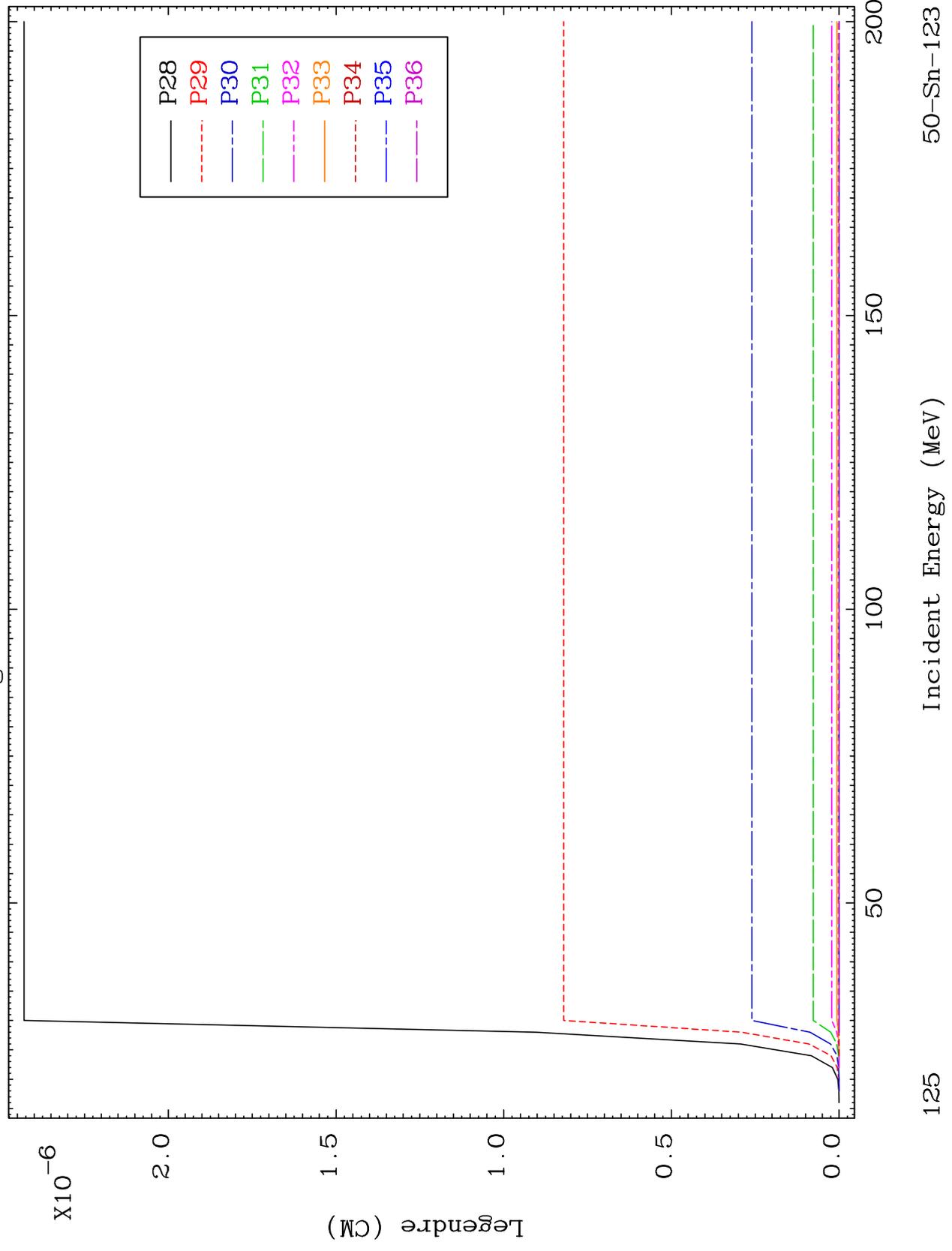
Incident Energy (MeV)

50-Sn-123

MAT 5058

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

50-Sn-123



125

50

100

150

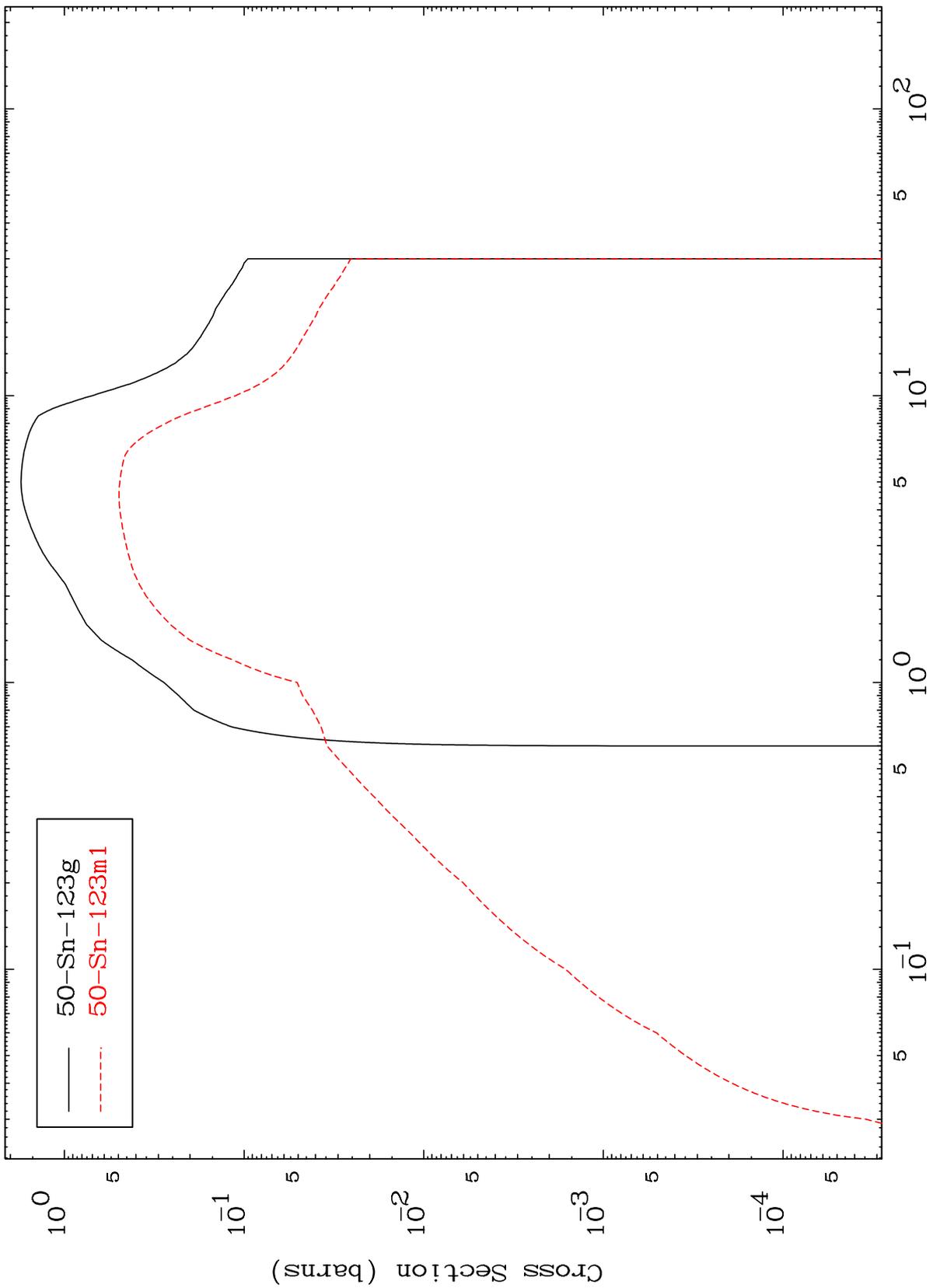
200

50-Sn-123

MAT 5058

50-Sn-123

Inelastic
Radionuclide Production Cross Section



— 50-Sn-123g
- - - 50-Sn-123m1

50-Sn-123

Incident Energy (MeV)

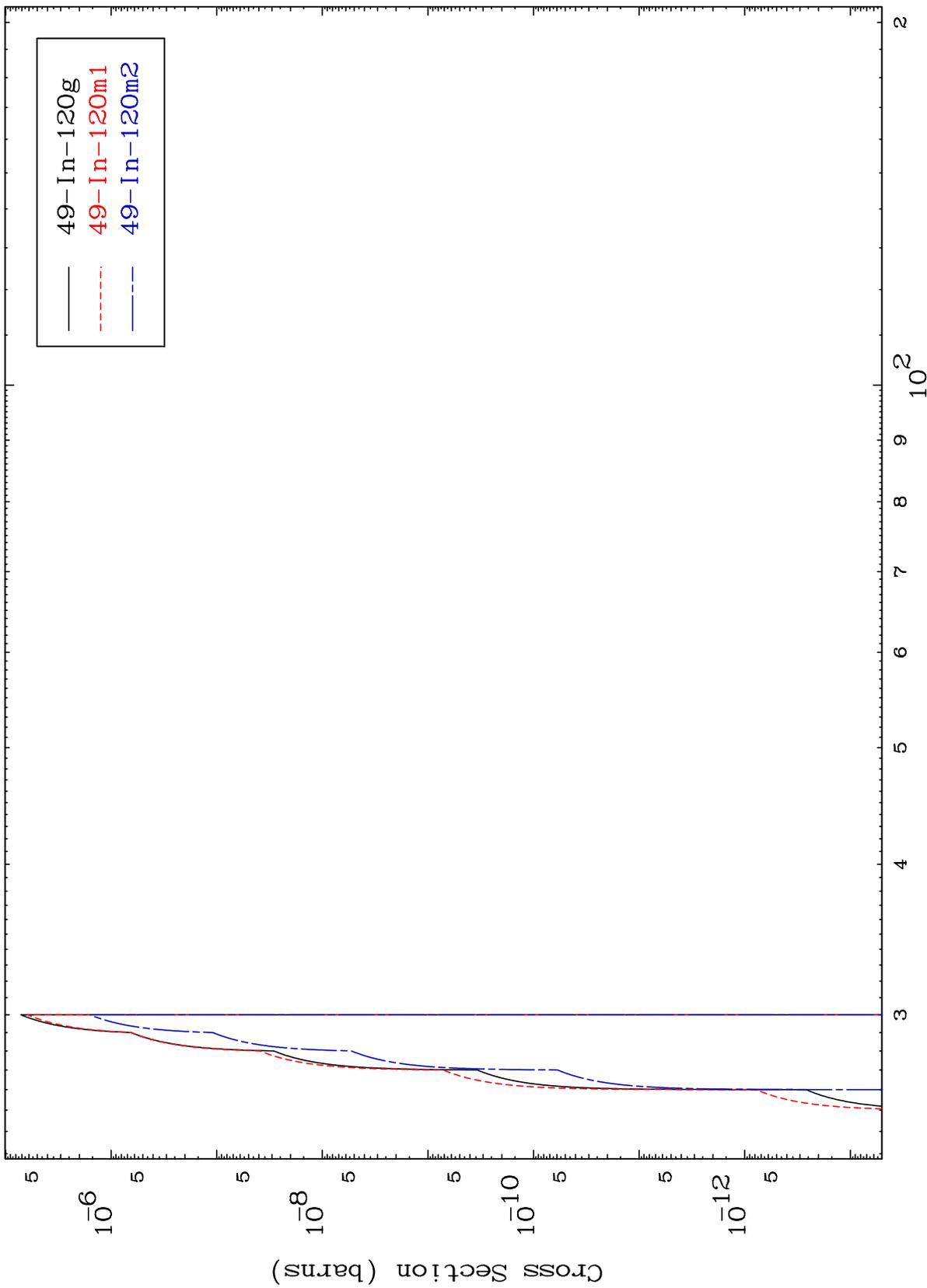
126

MAT 5058

(n,2n) d

50-Sn-123

Radionuclide Production Cross Section



127

Incident Energy (MeV)

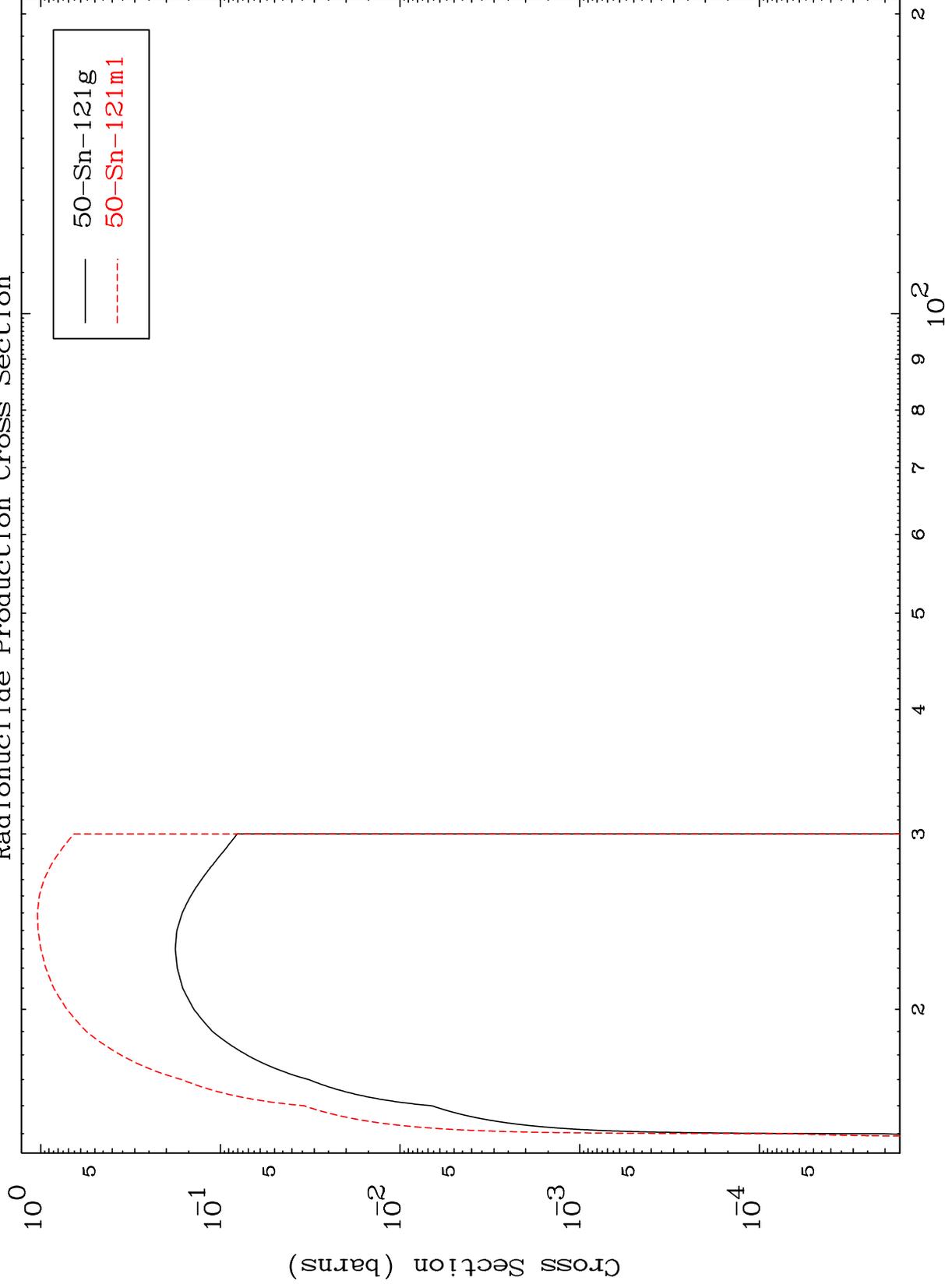
50-Sn-123

MAT 5058

(n,3n)

50-Sn-123

Radionuclide Production Cross Section



128

Incident Energy (MeV)

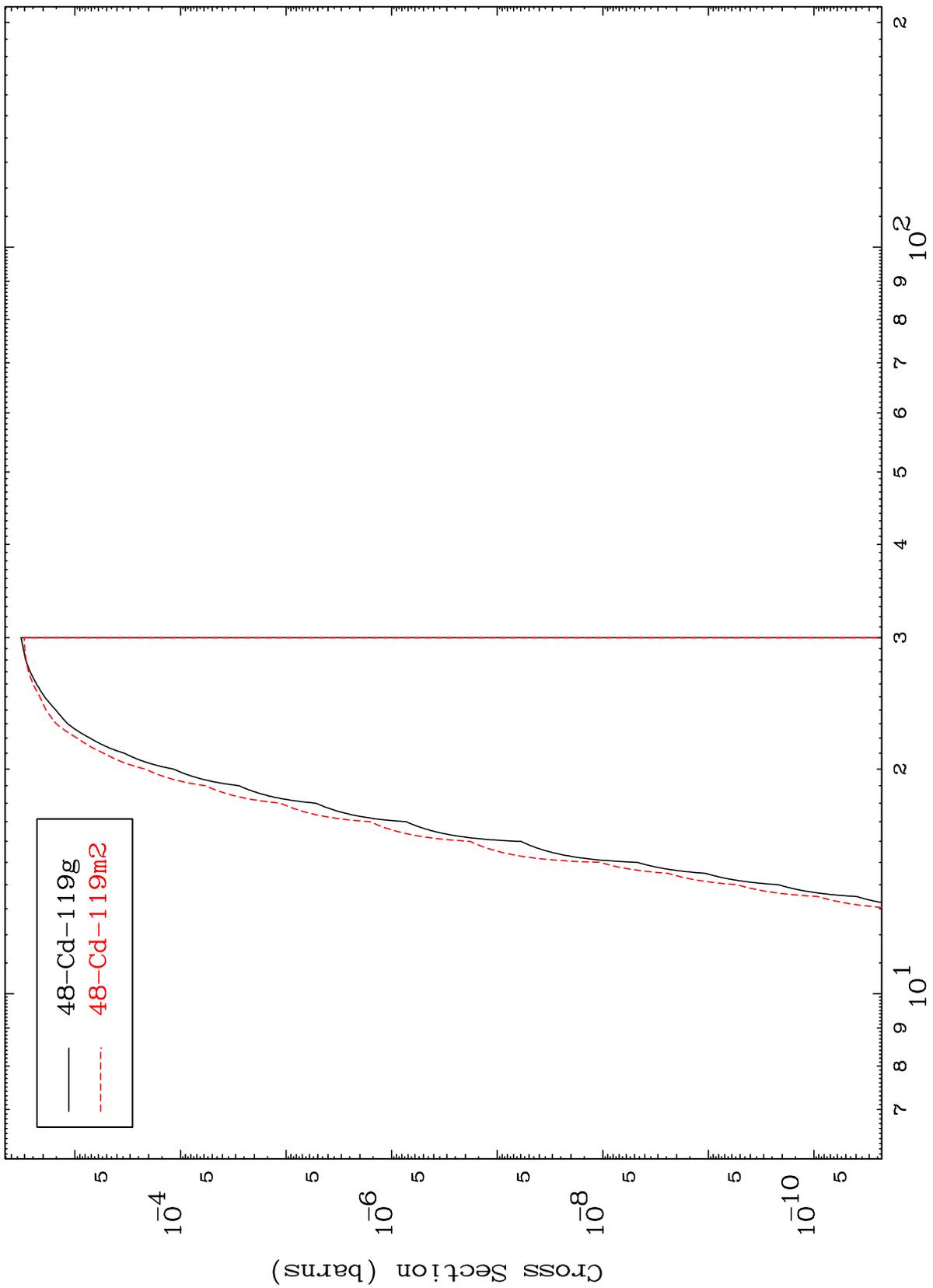
50-Sn-123

MAT 5058

50-Sn-123

(n,n') α

Radionuclide Production Cross Section



129

Incident Energy (MeV)

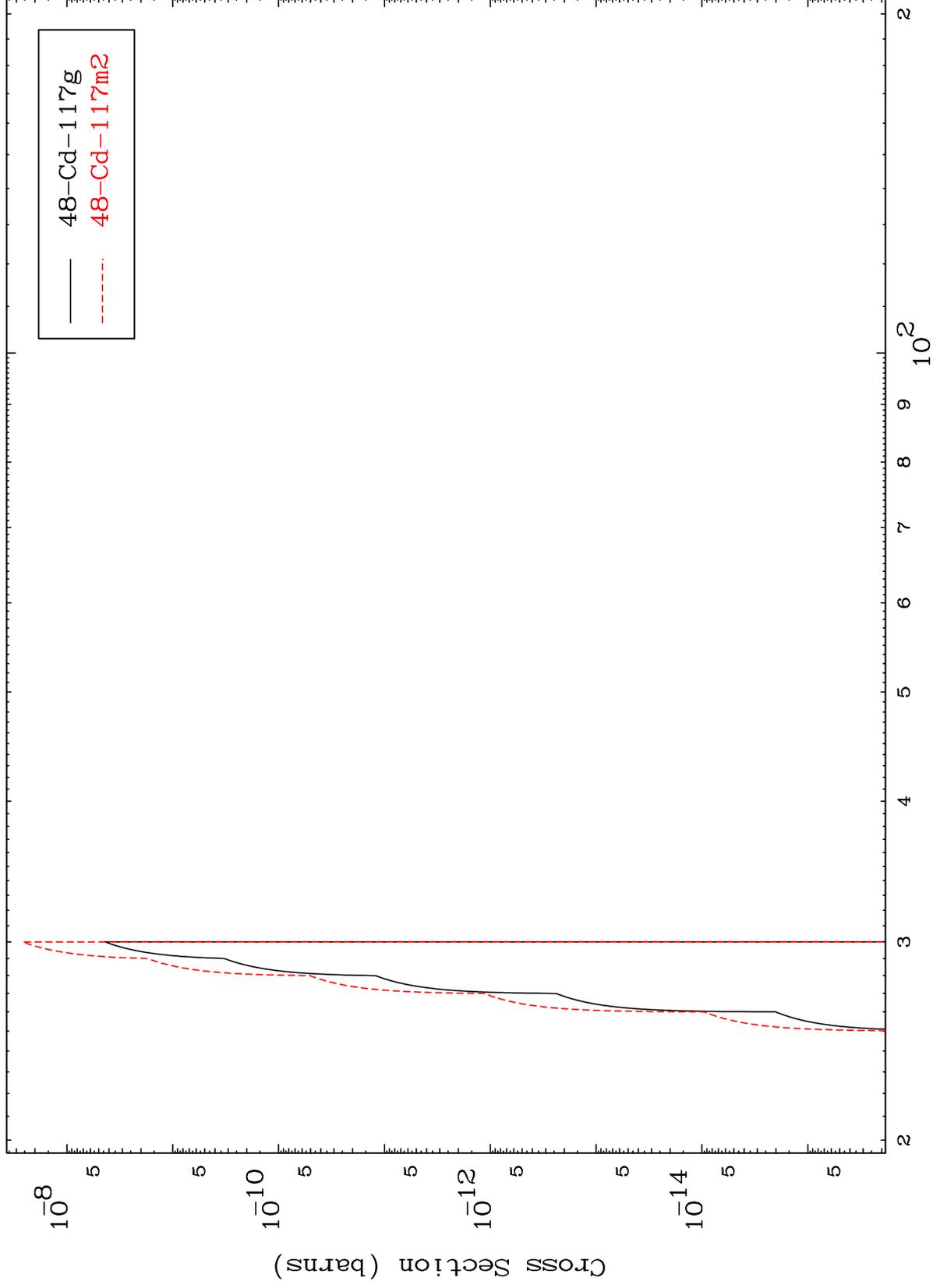
50-Sn-123

MAT 5058

(n,3n) α

50-Sn-123

Radionuclide Production Cross Section



130

Incident Energy (MeV)

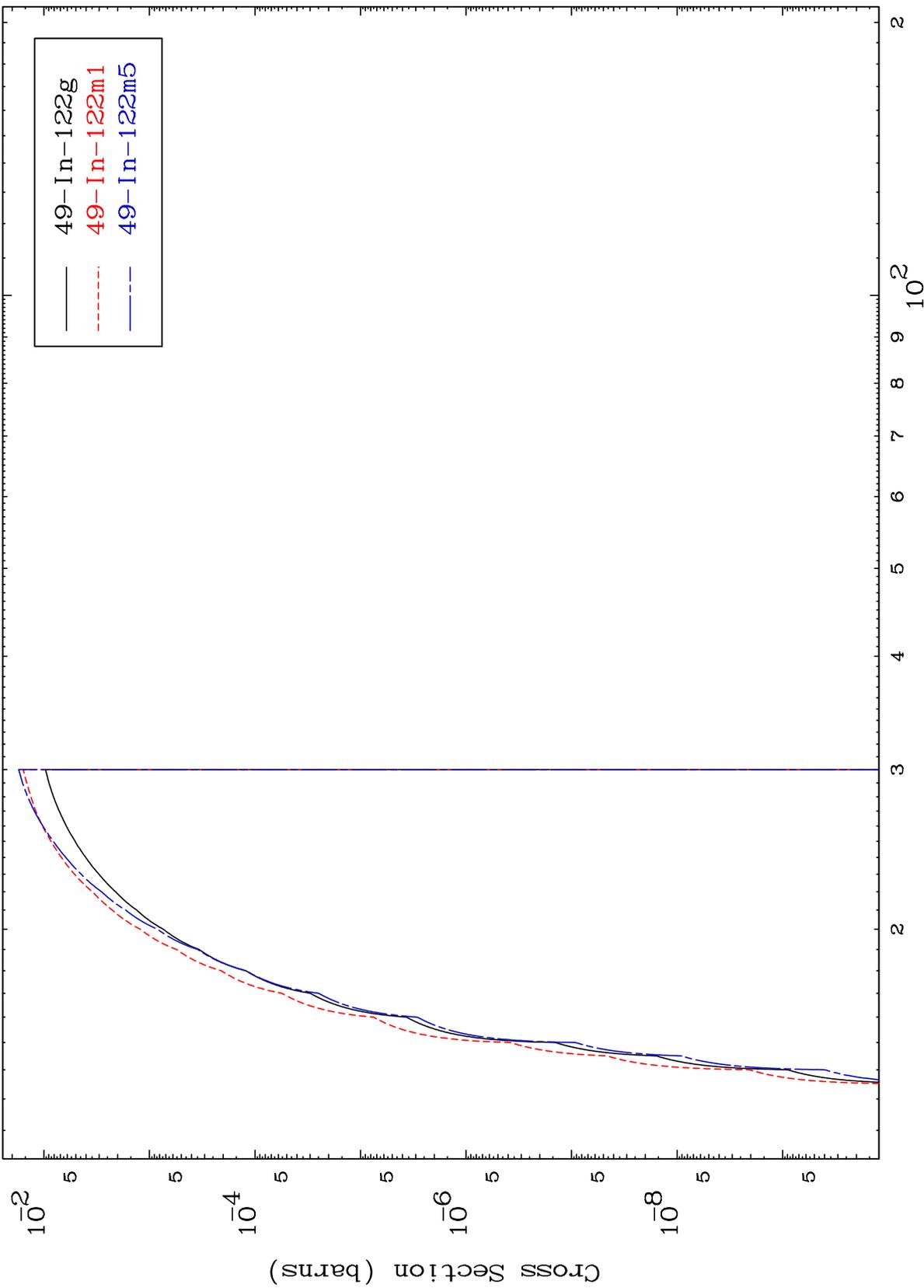
50-Sn-123

MAT 5058

(n,n') p

50-Sn-123

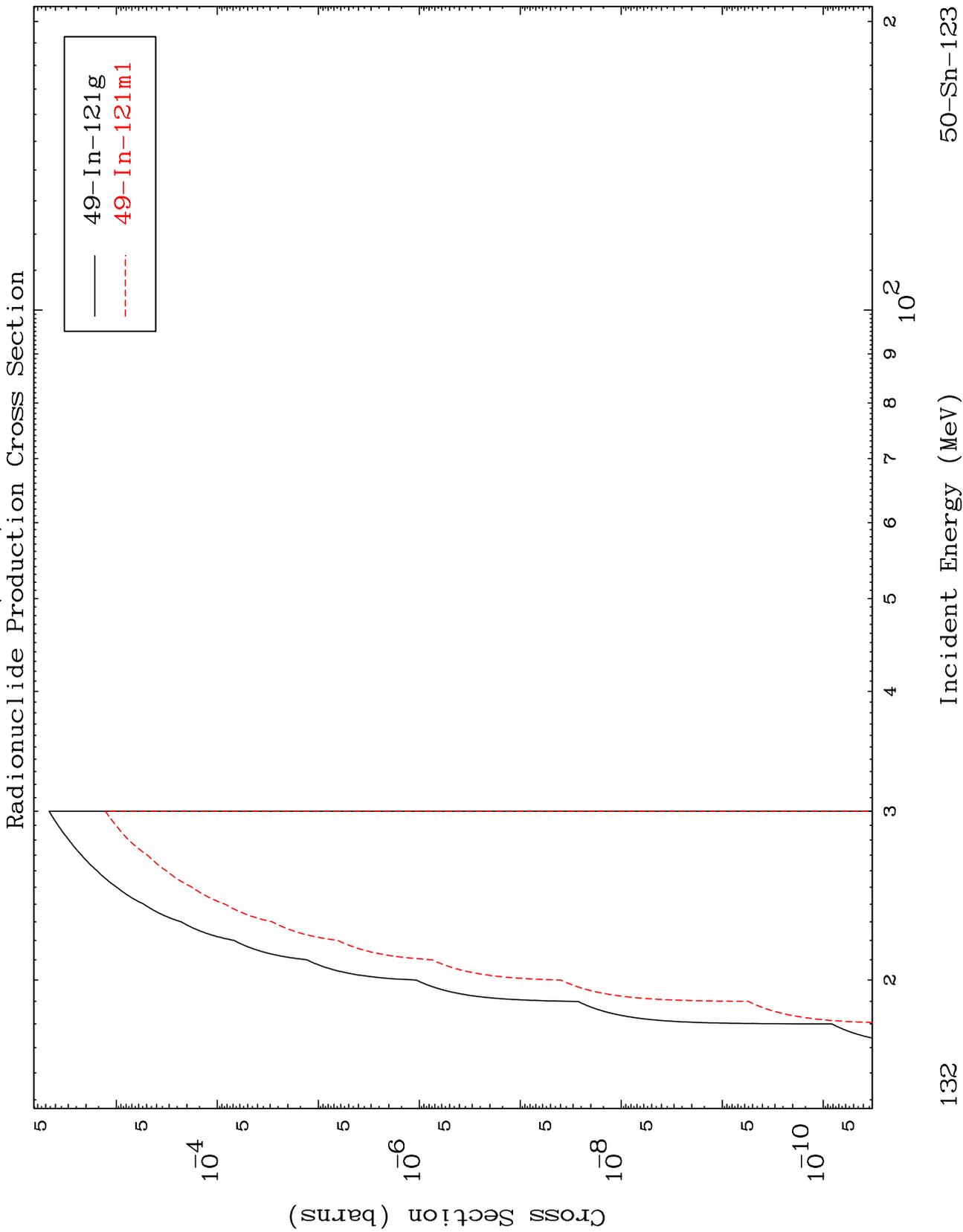
Radionuclide Production Cross Section



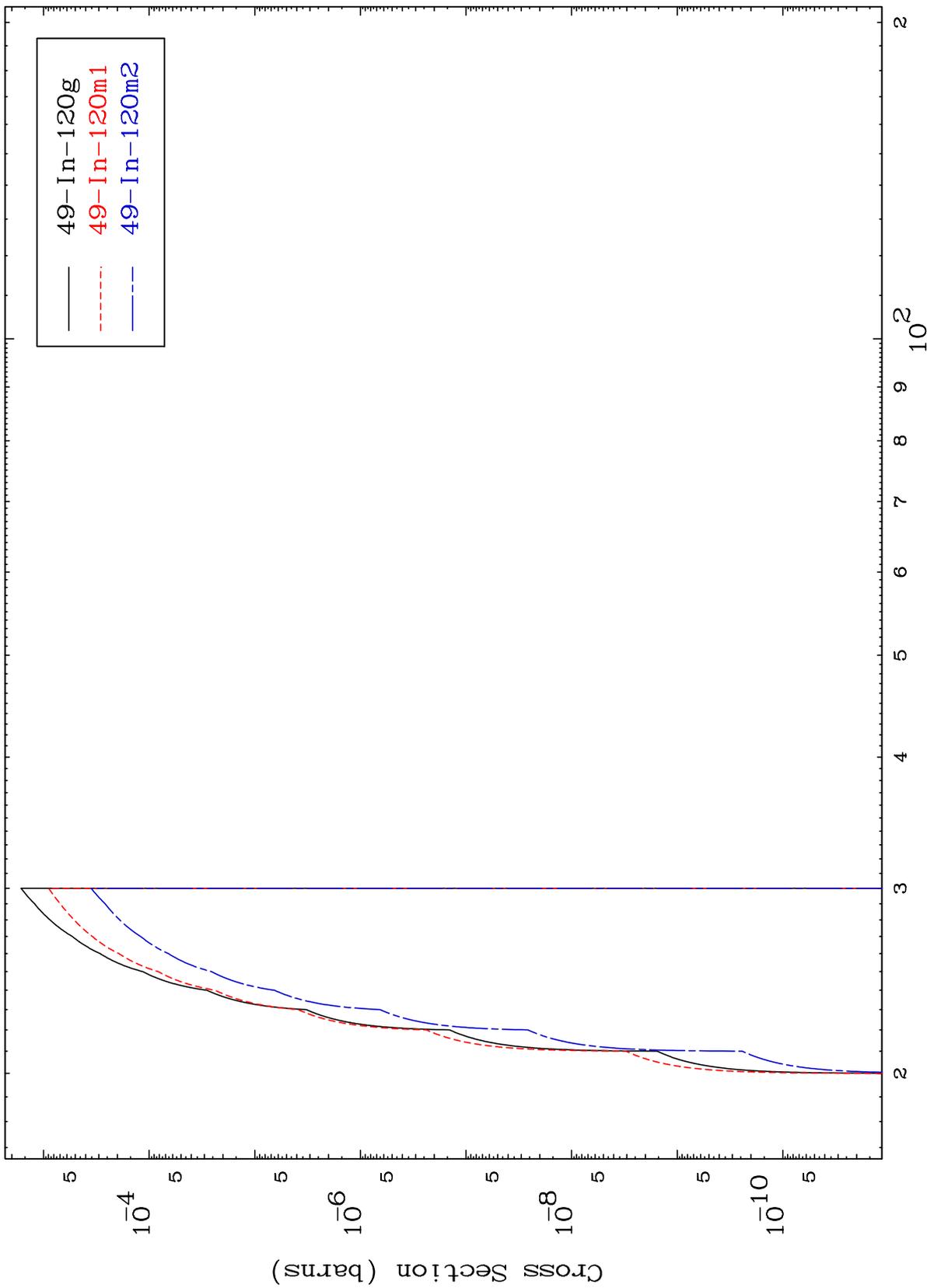
131

Incident Energy (MeV)

50-Sn-123



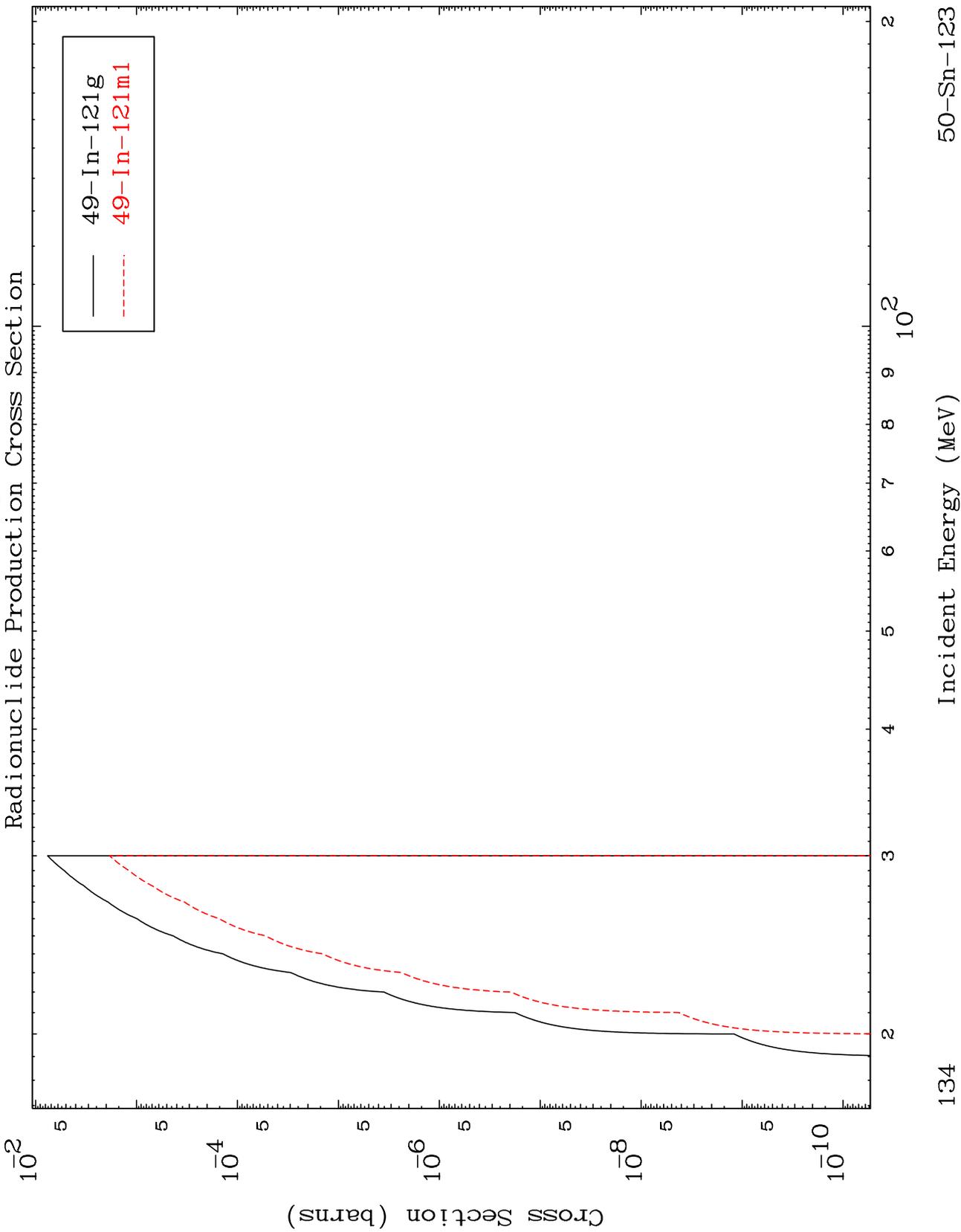
Radionuclide Production Cross Section



MAT 5058

(n,2n) p

50-Sn-123

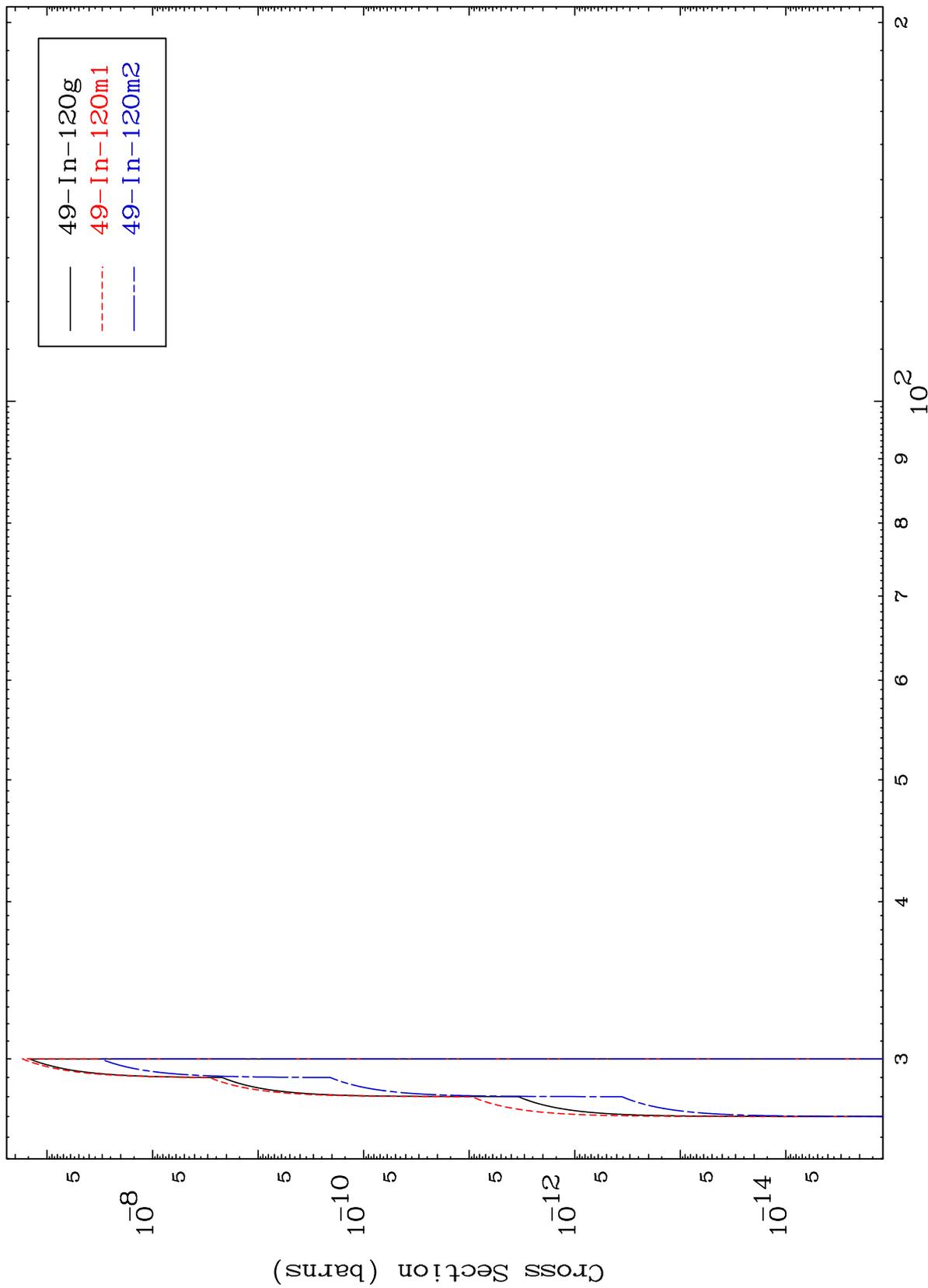


134

Incident Energy (MeV)

50-Sn-123

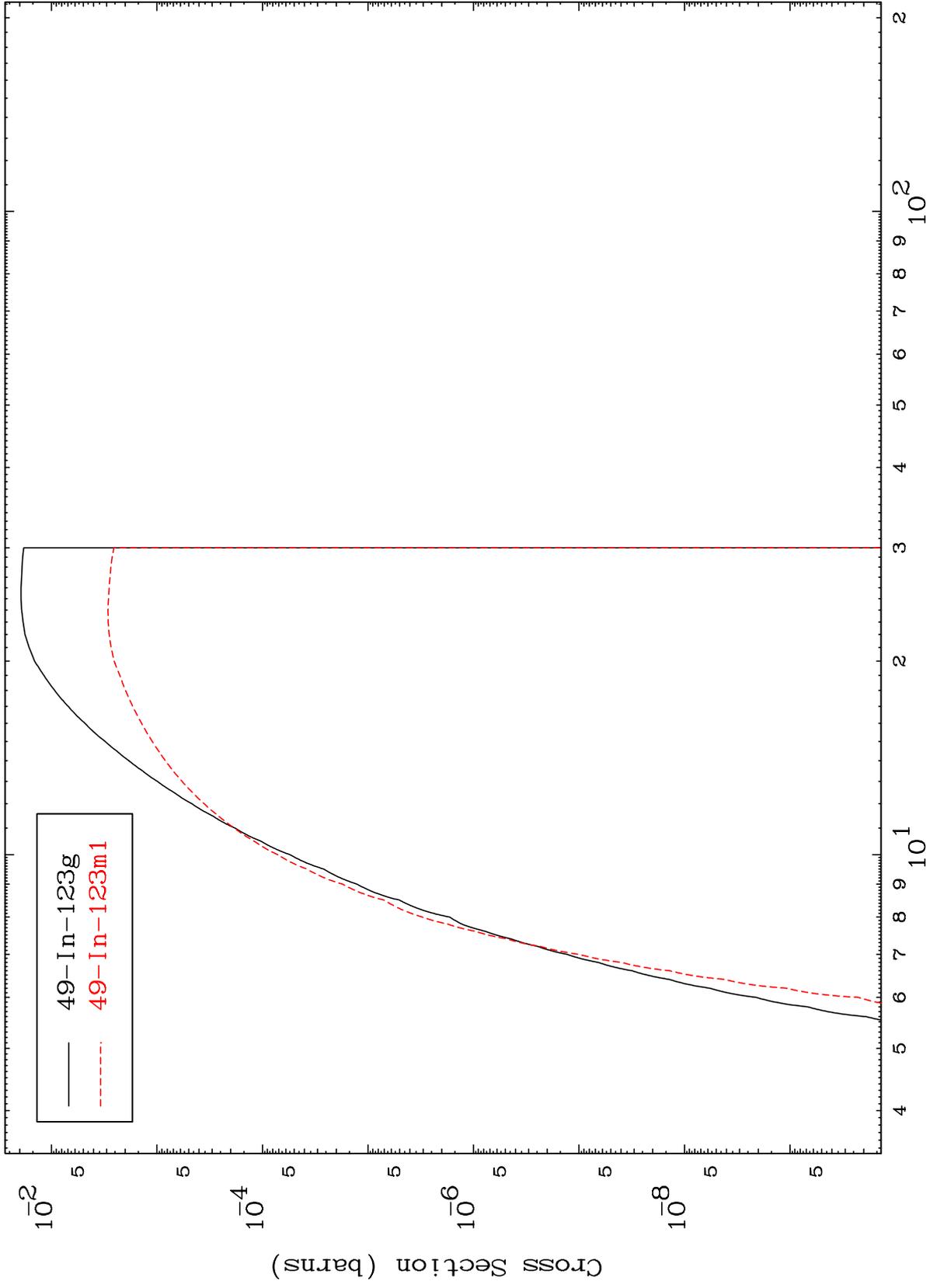
Radionuclide Production Cross Section



MAT 5058

50-Sn-123

(n,p)
Radionuclide Production Cross Section



— 49-In-123g
- - - 49-In-123m1

50-Sn-123

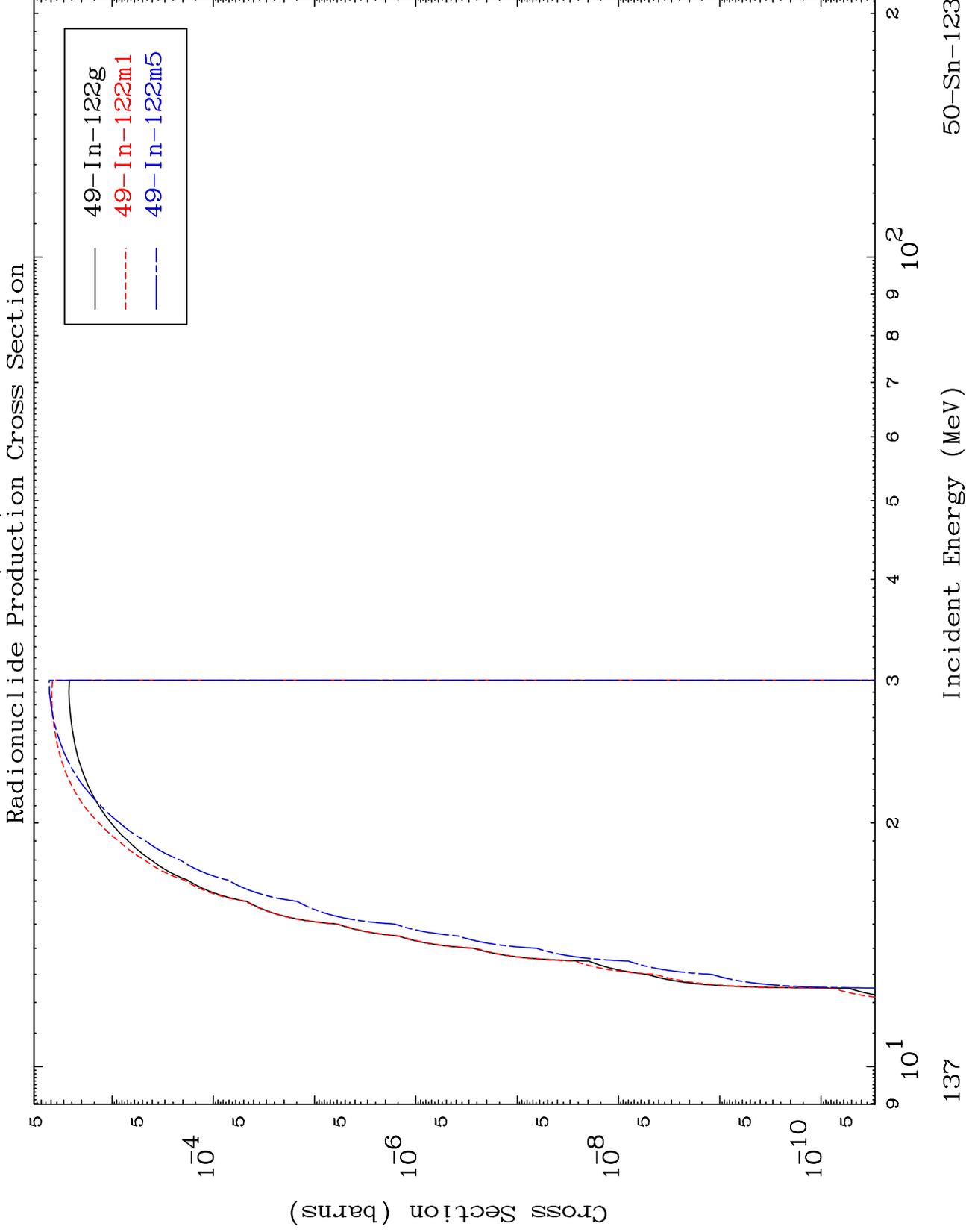
Incident Energy (MeV)

136

MAT 5058

(n,d)

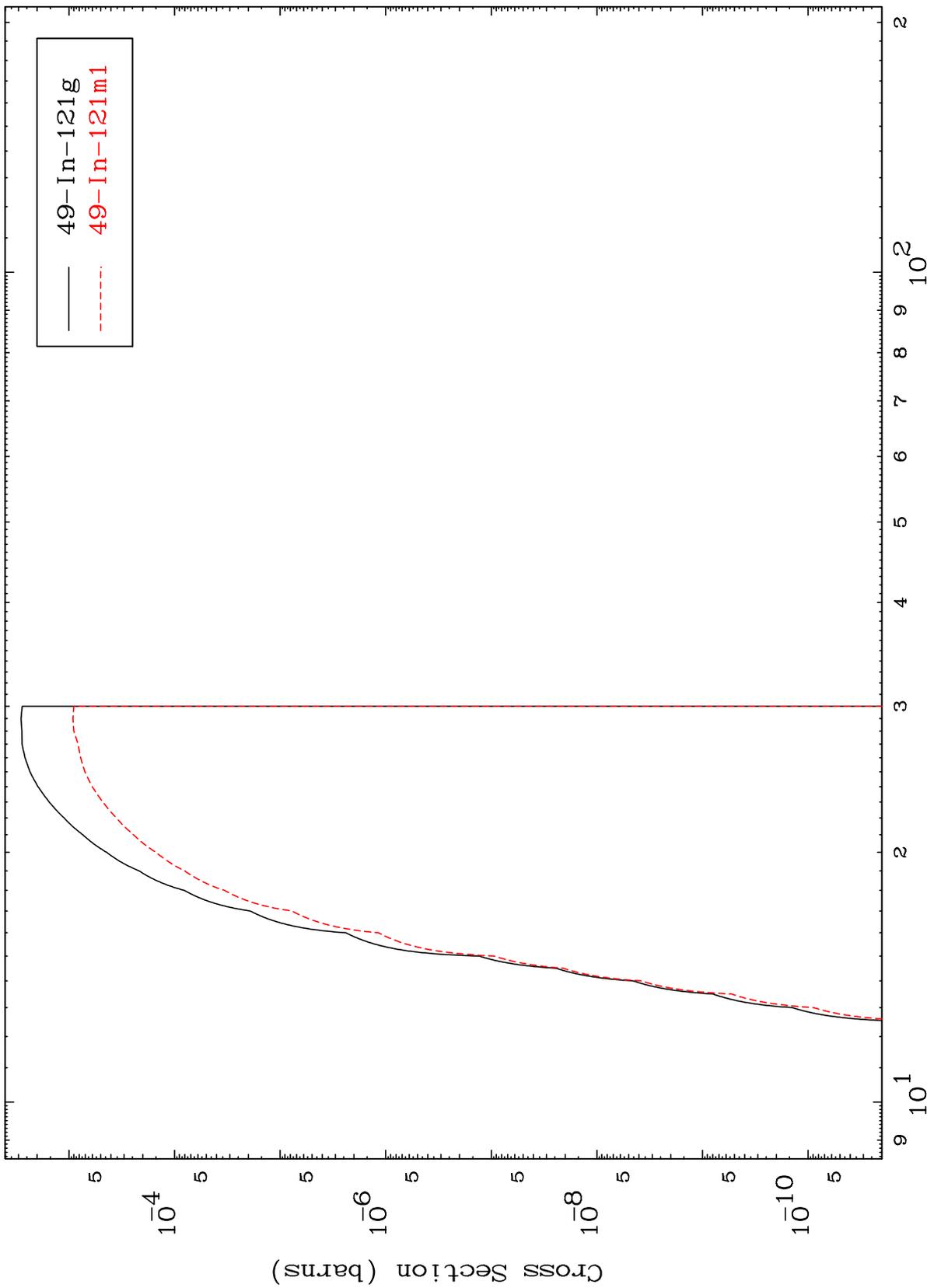
50-Sn-123



MAT 5058

50-Sn-123

(n,t)
Radionuclide Production Cross Section



50-Sn-123

Incident Energy (MeV)

138

Radionuclide Production Cross Section

