

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
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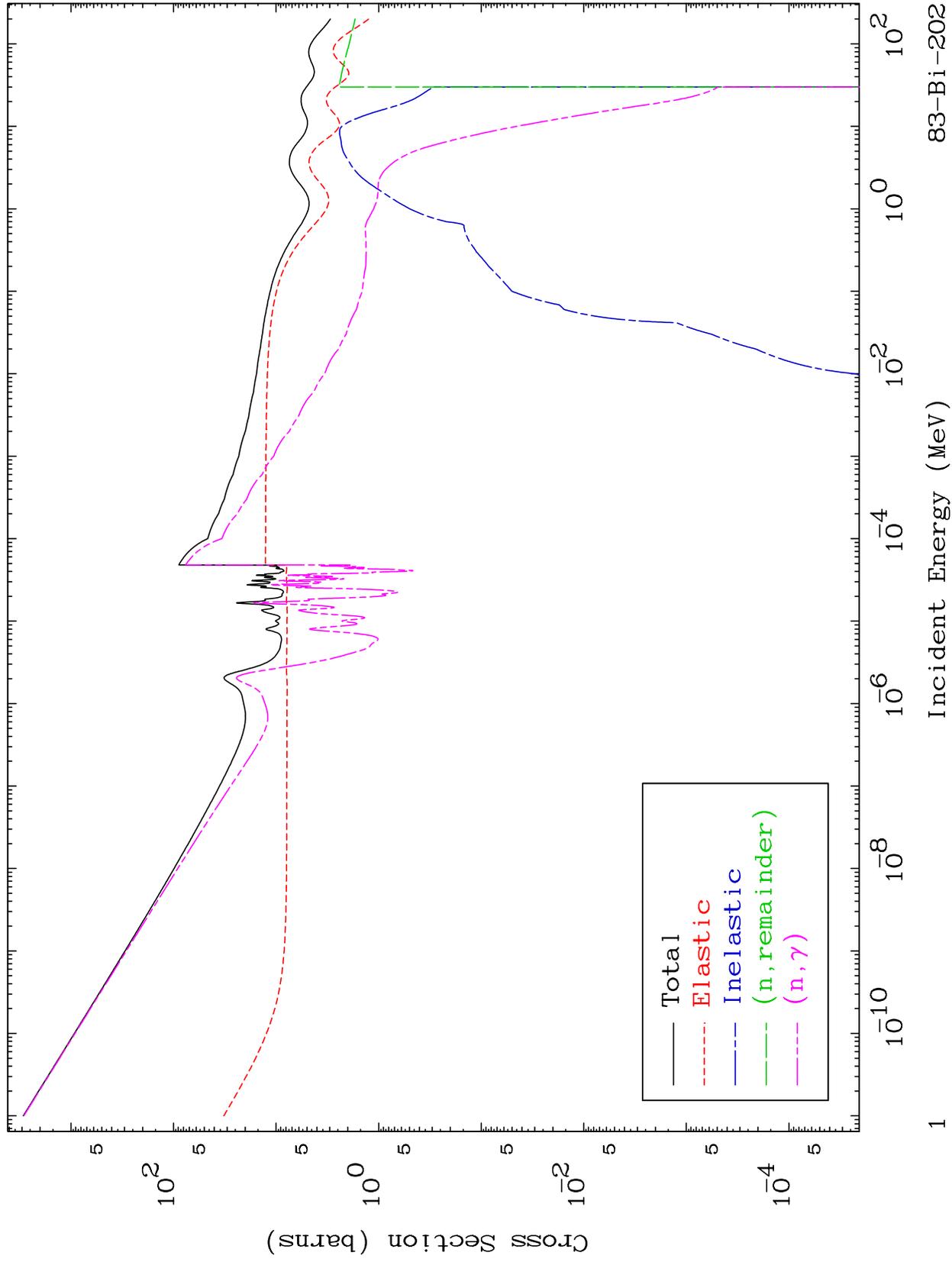
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8304

Major
293 Kelvin Cross Sections

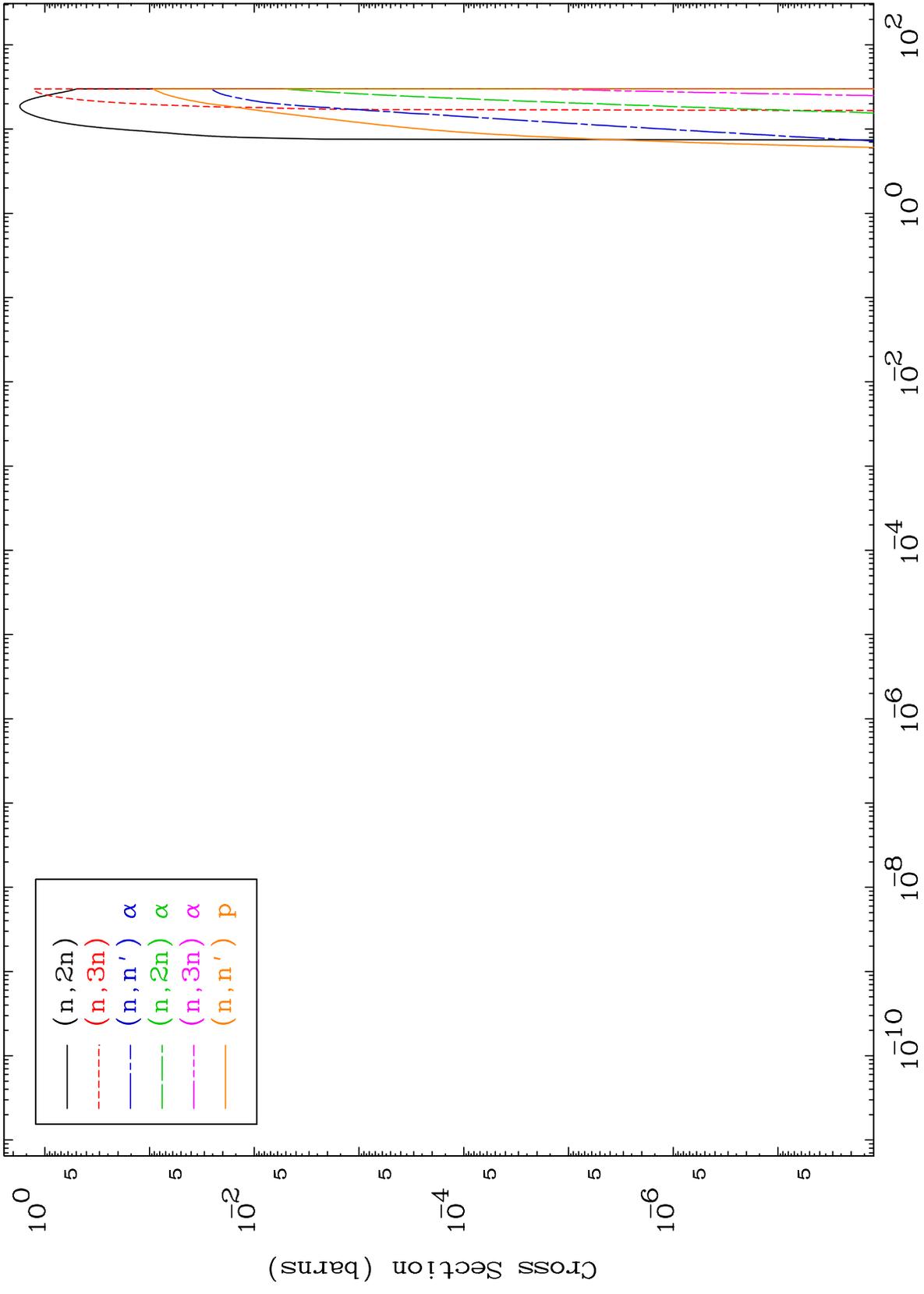
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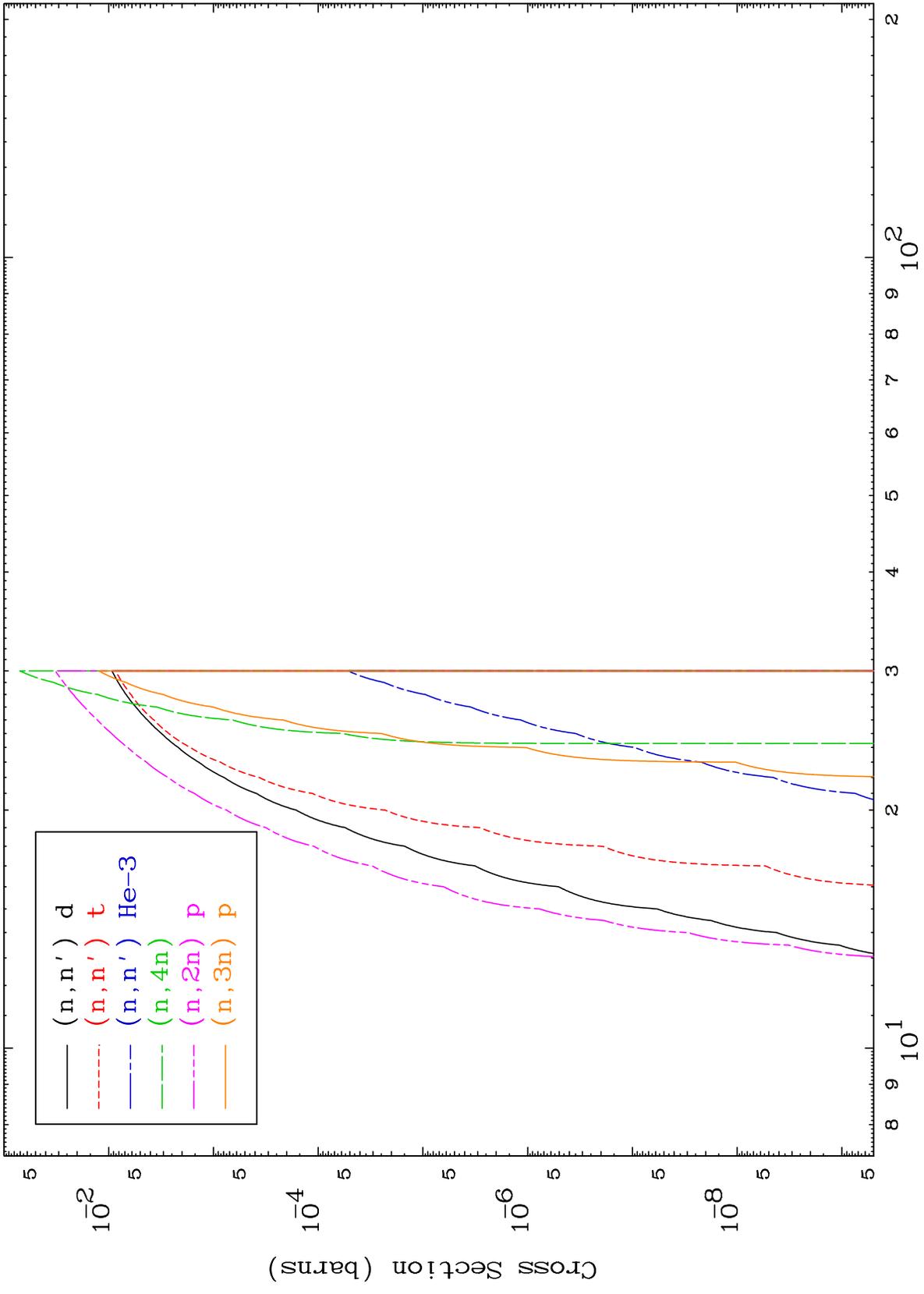
MAT 8304

Neutron Production
293 Kelvin Cross Sections

83-Bi-202



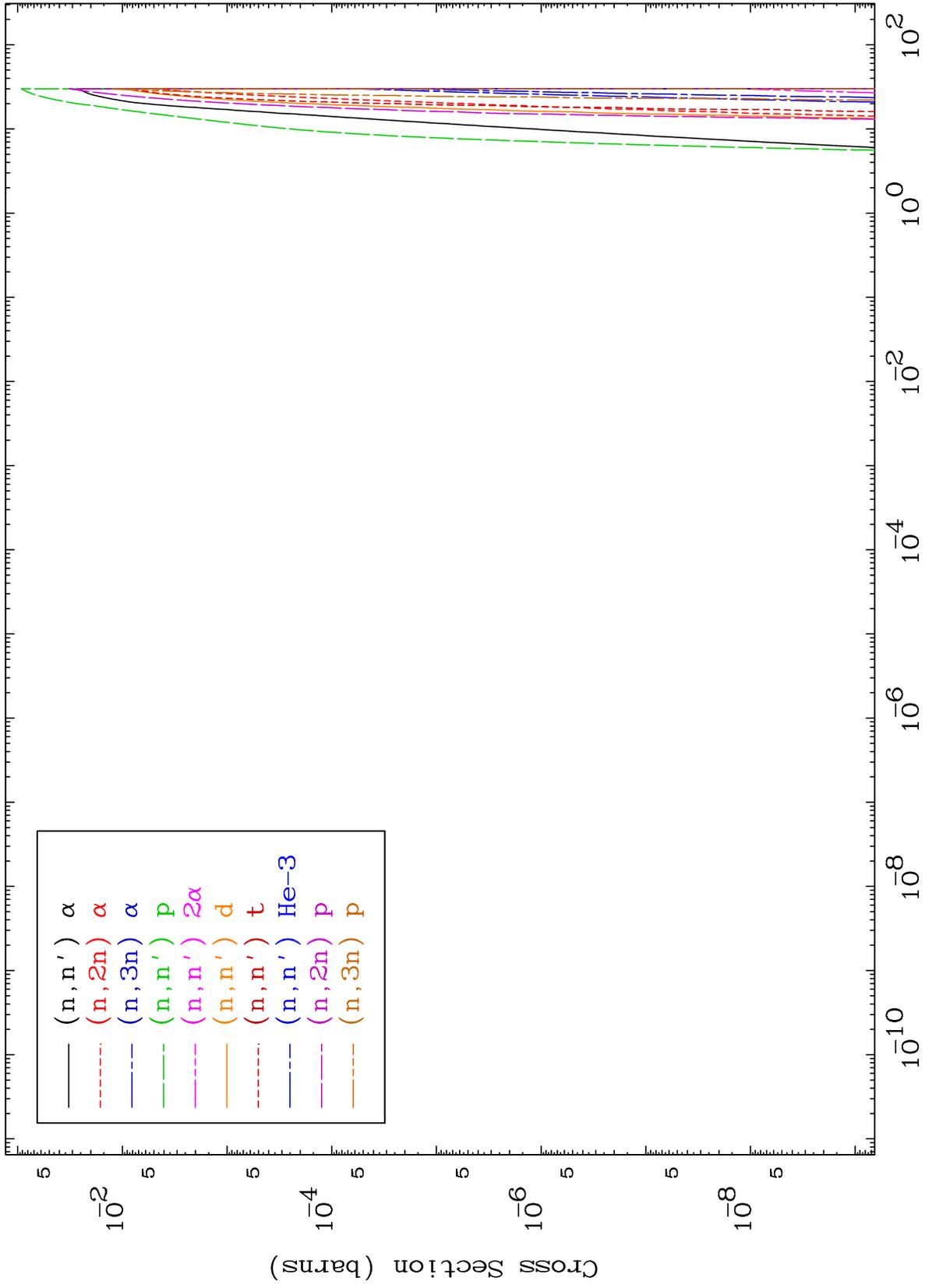
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MAT 8304

Charged Particle
293 Kelvin Cross Sections

83-Bi-202

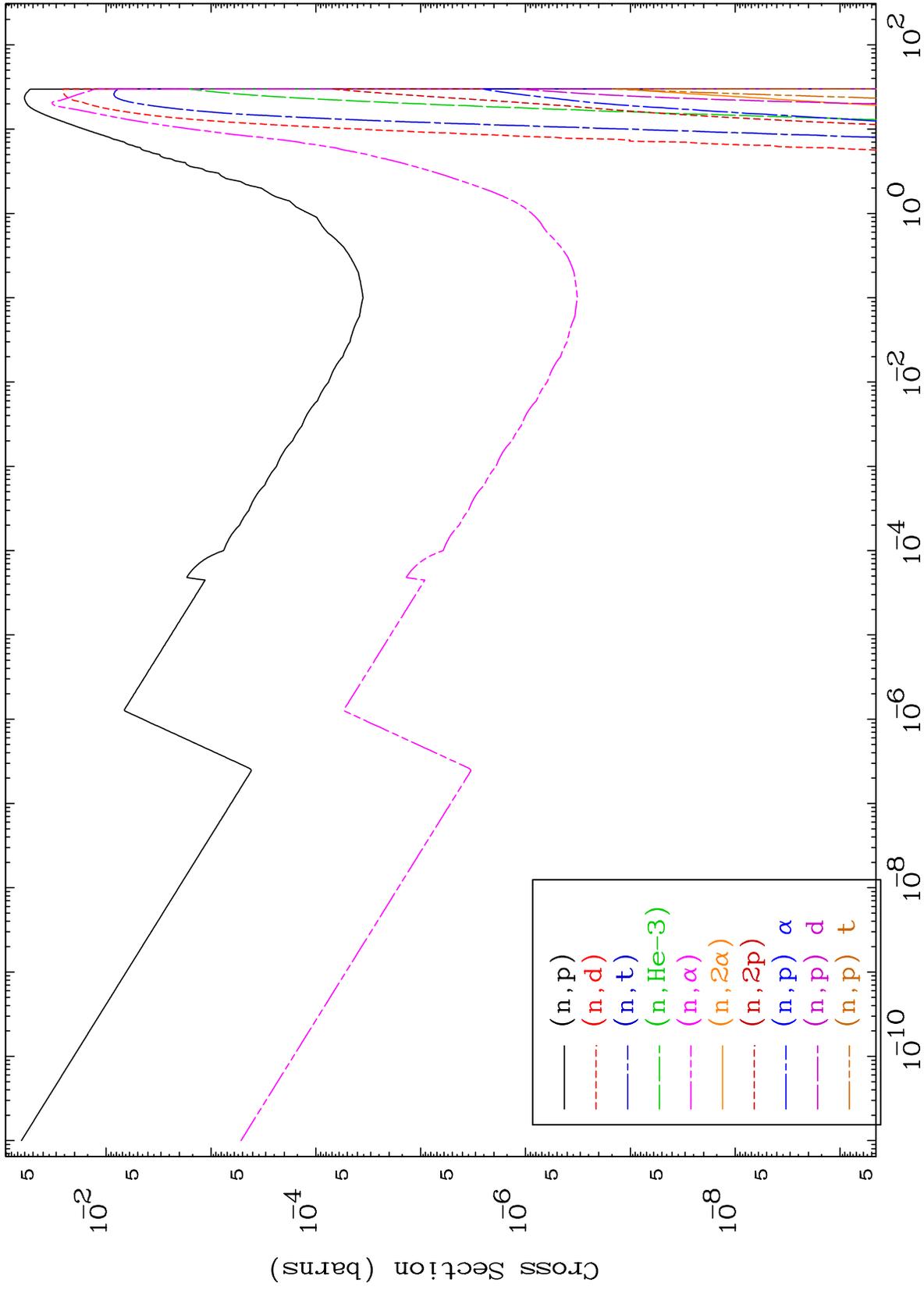


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MAT 8304

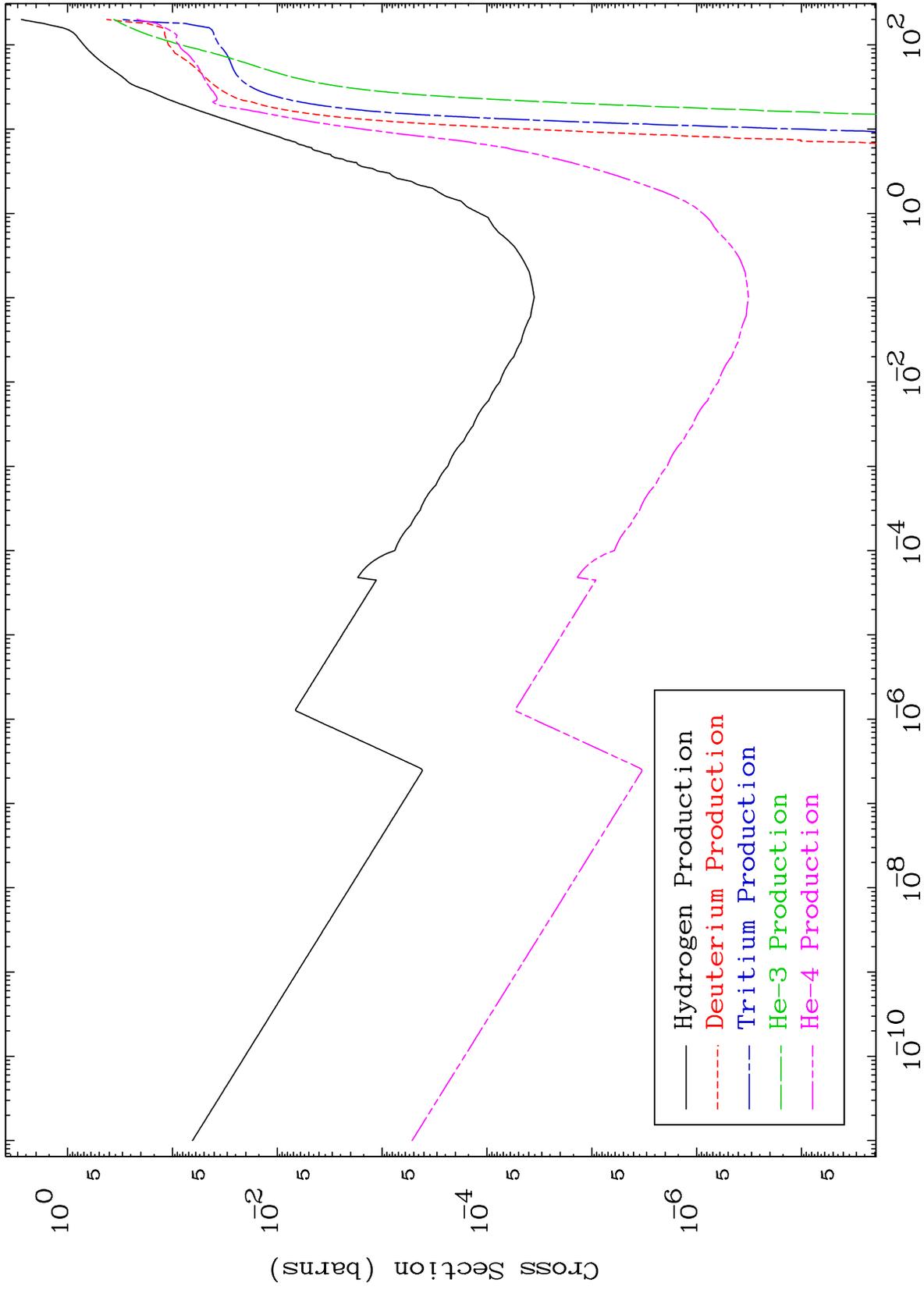
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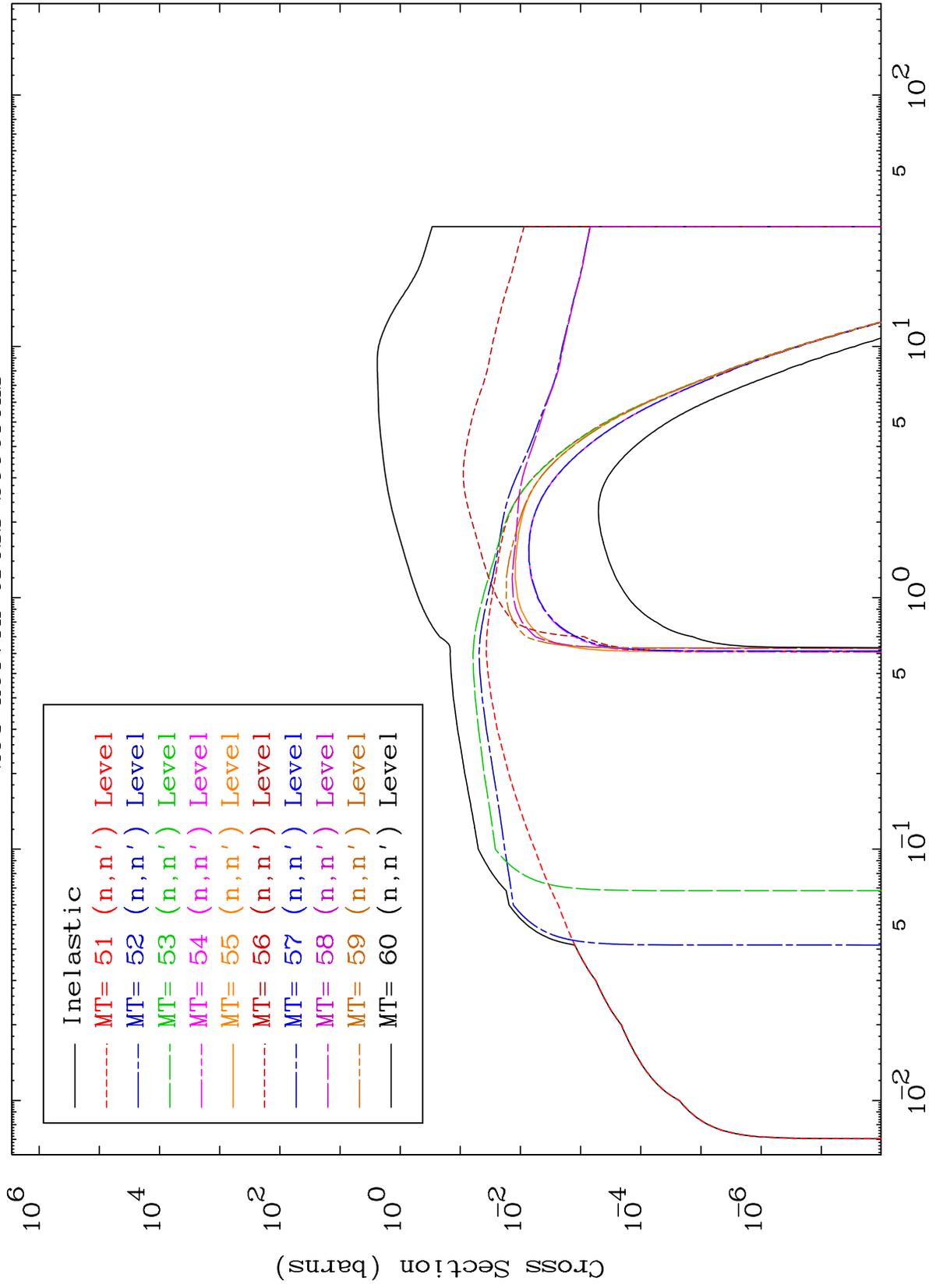
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MAT 8304

(n,n') Level
293 Kelvin Cross Sections

83-Bi-202



7

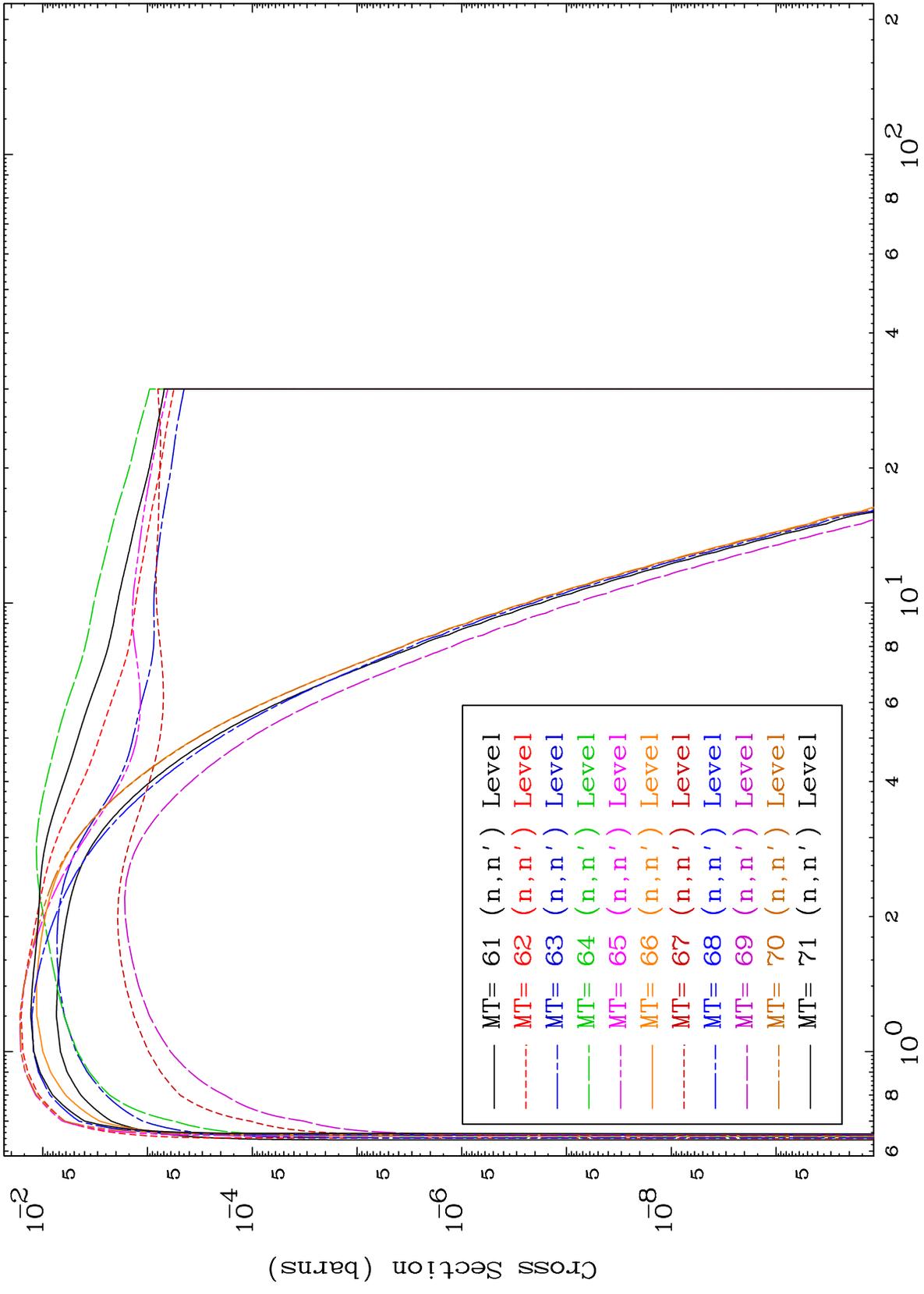
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83-Bi-202

MAT 8304

(n,n') Level
293 Kelvin Cross Sections

83-Bi-202



8

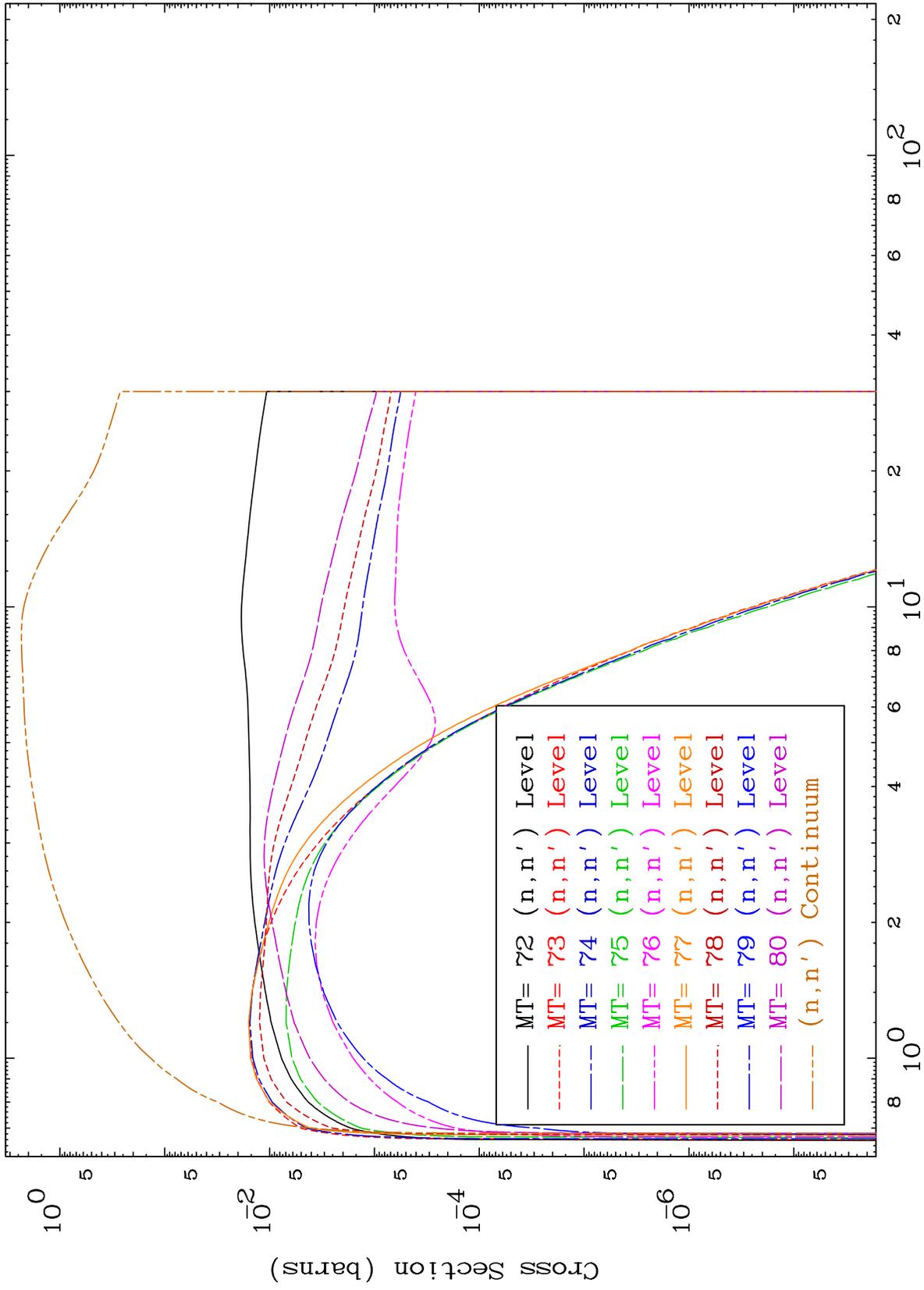
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83-Bi-202

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(n,n') Level
293 Kelvin Cross Sections

83-Bi-202

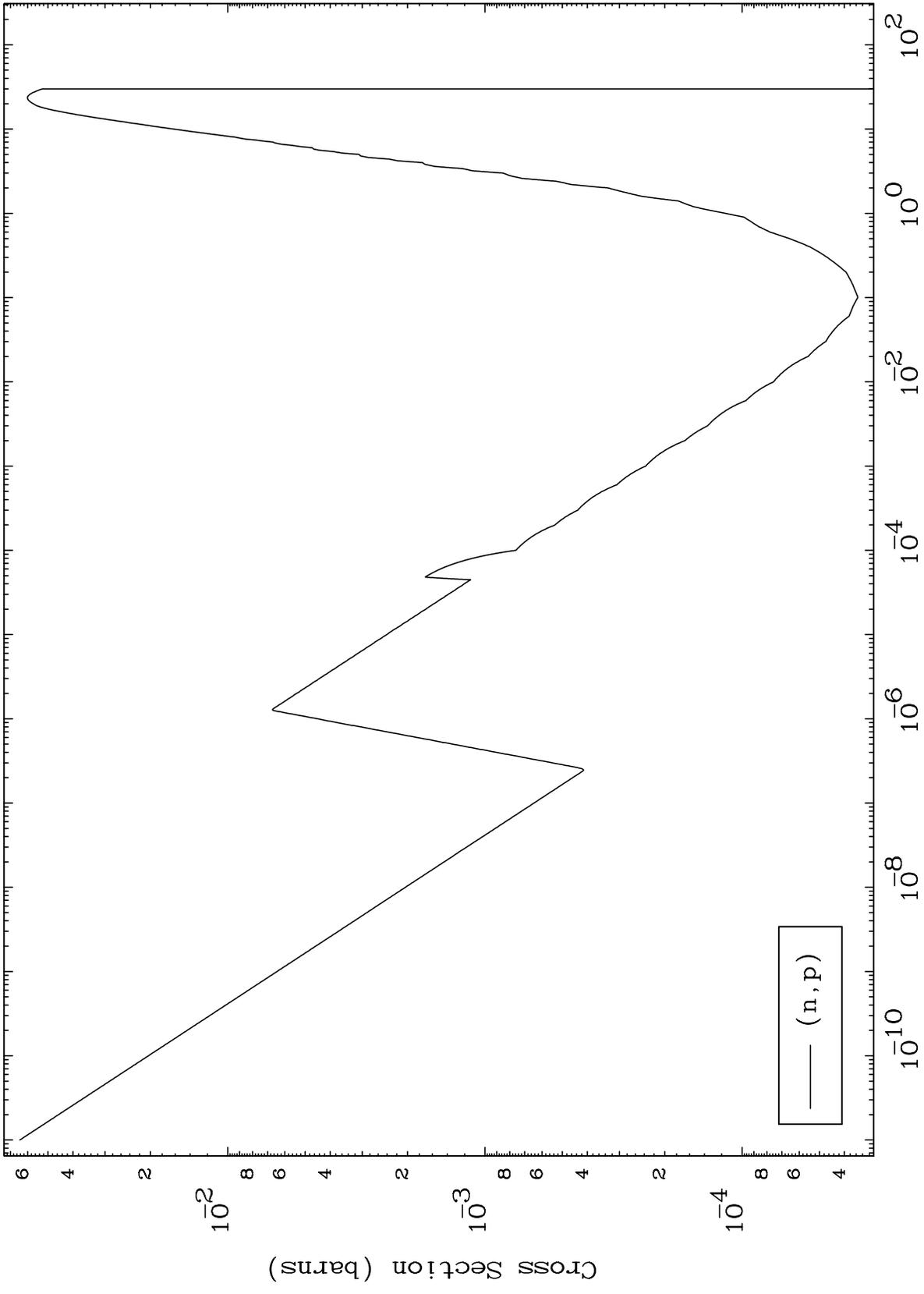


9

MAT 8304

(n,p) Levels
293 Kelvin Cross Sections

83-Bi-202



10

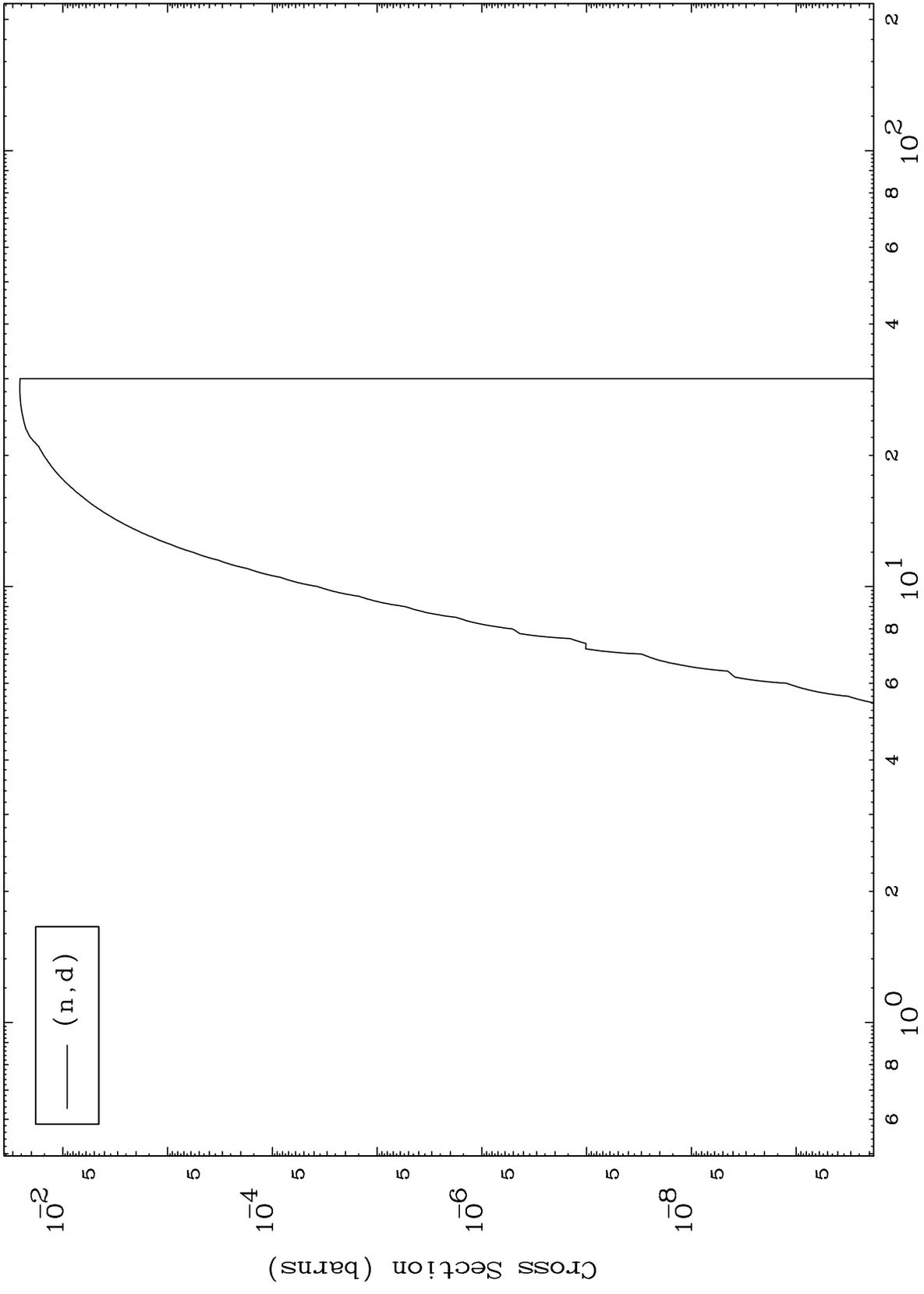
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83-Bi-202

MAT 8304

(n,d) Levels
293 Kelvin Cross Sections

83-Bi-202



11

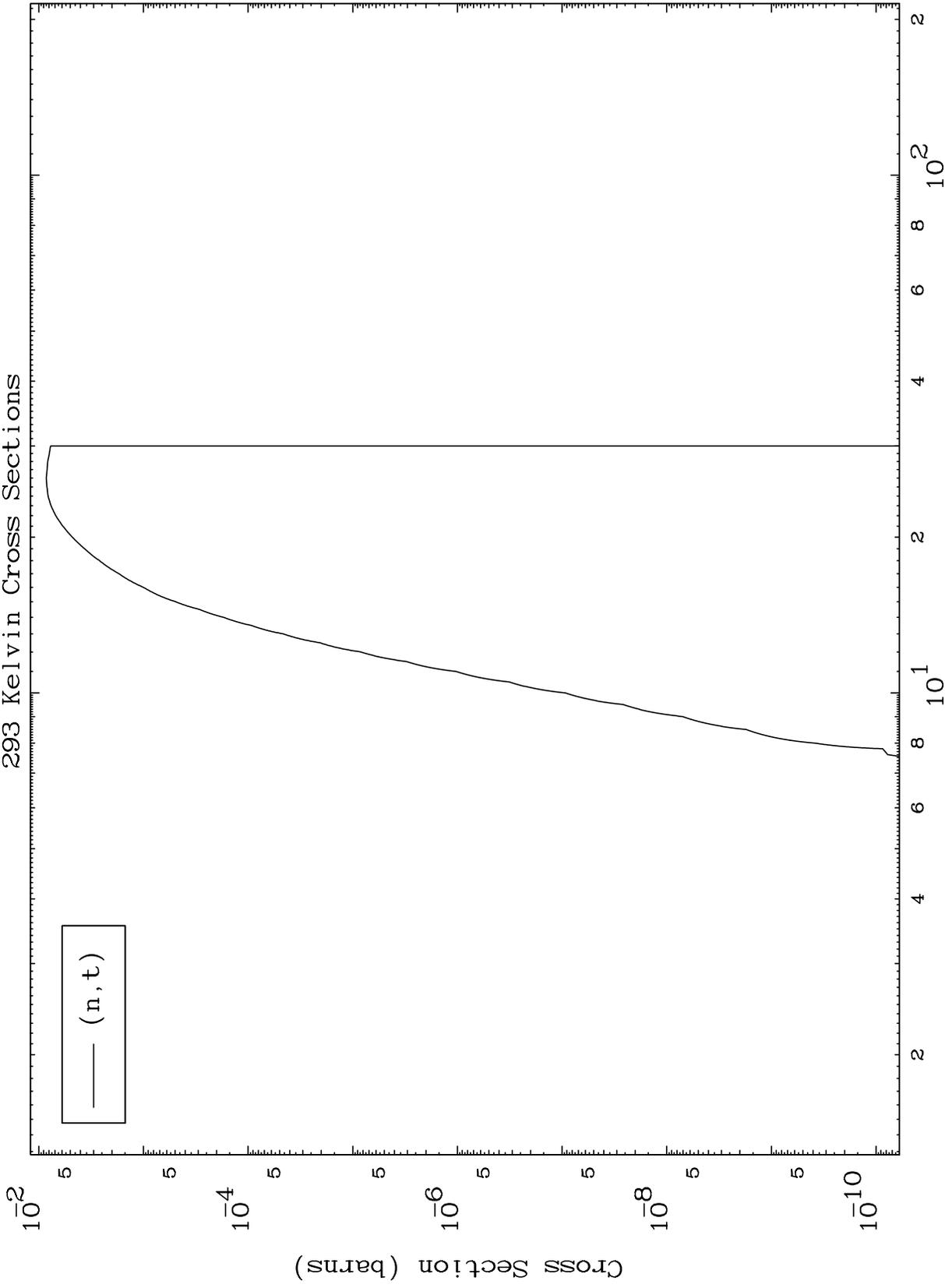
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MAT 8304

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-202



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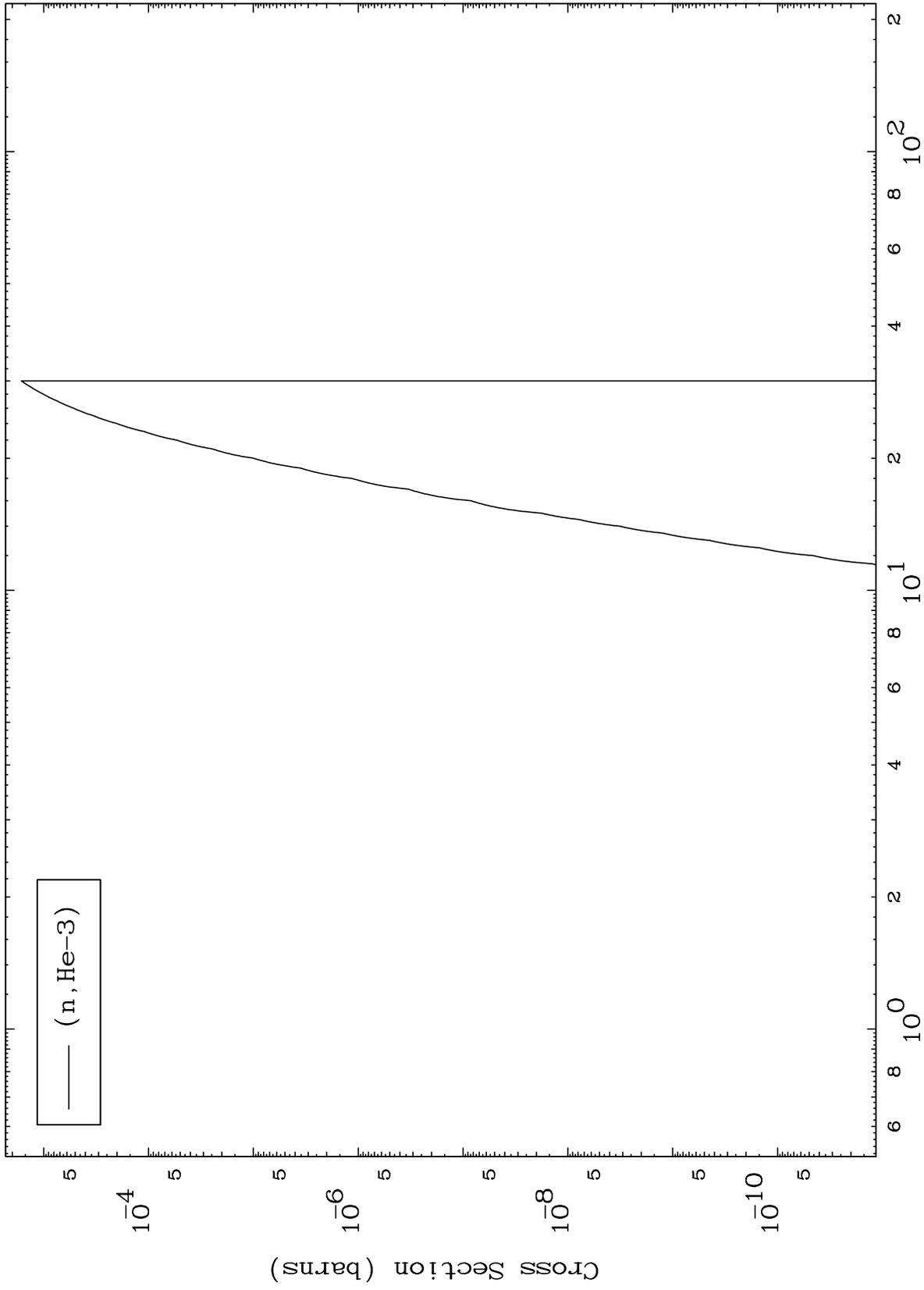
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MAT 8304

(n,He3) Levels
293 Kelvin Cross Sections

83-Bi-202



13

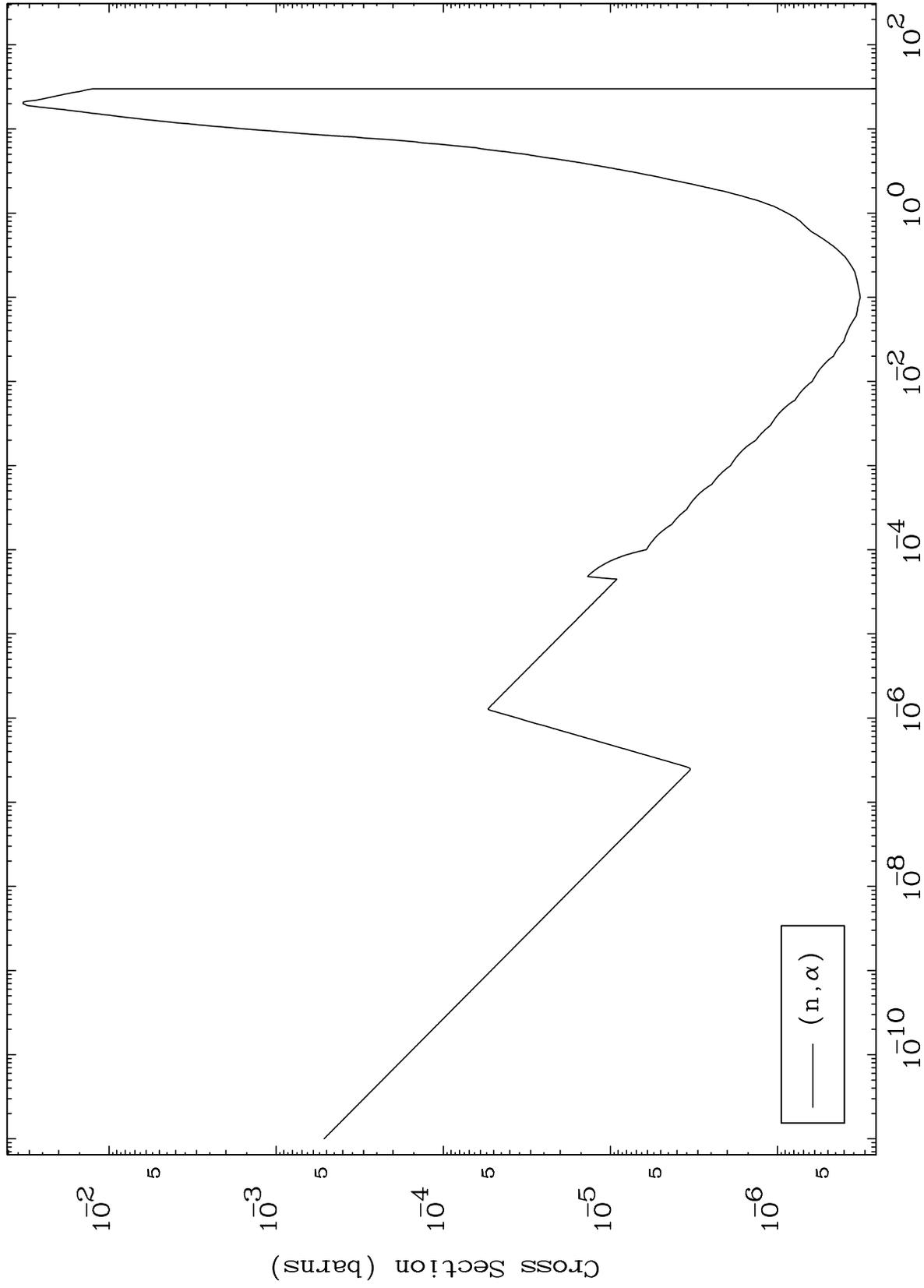
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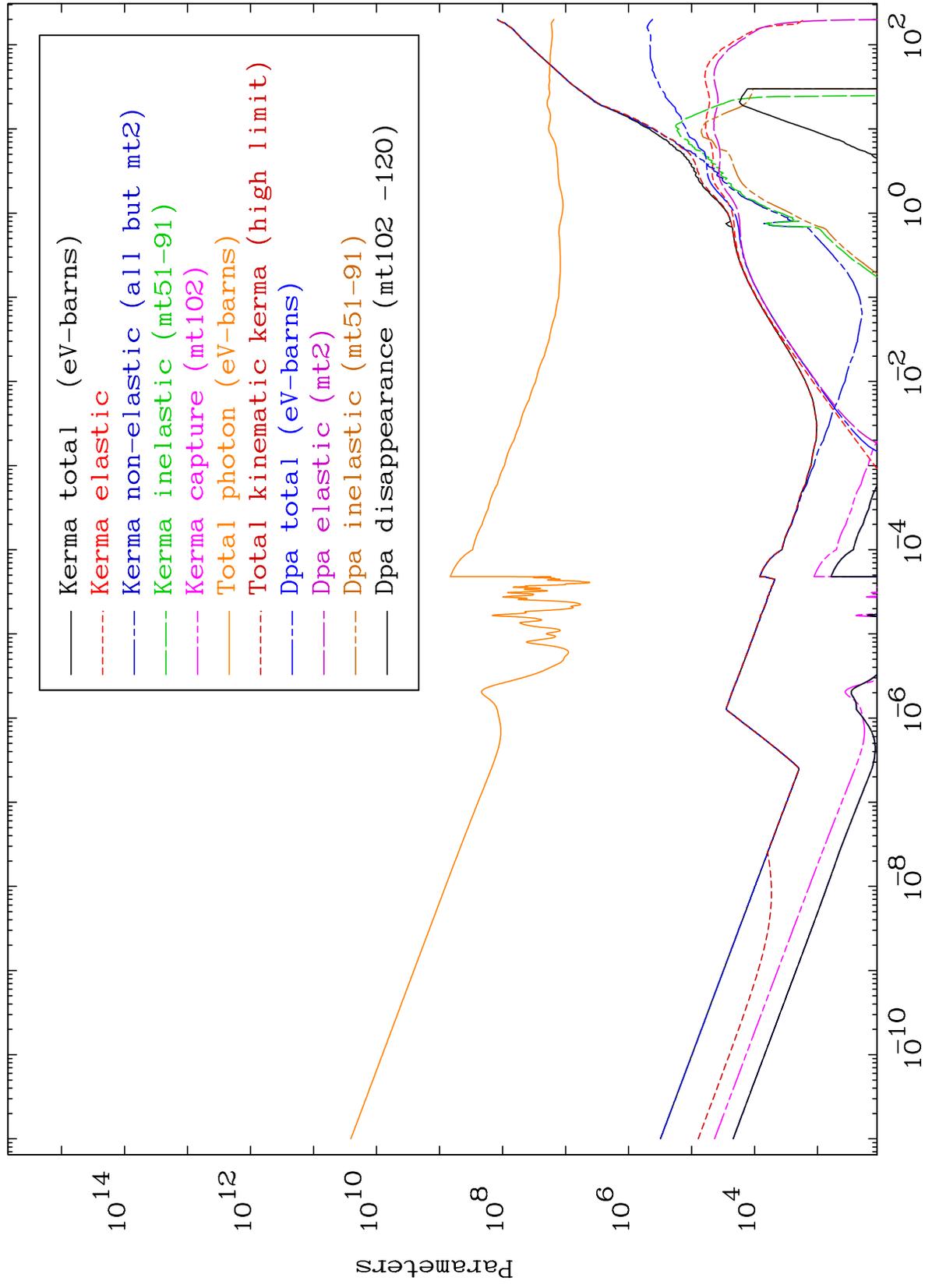
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MAT 8304

(n,α) Levels
293 Kelvin Cross Sections

83-Bi-202

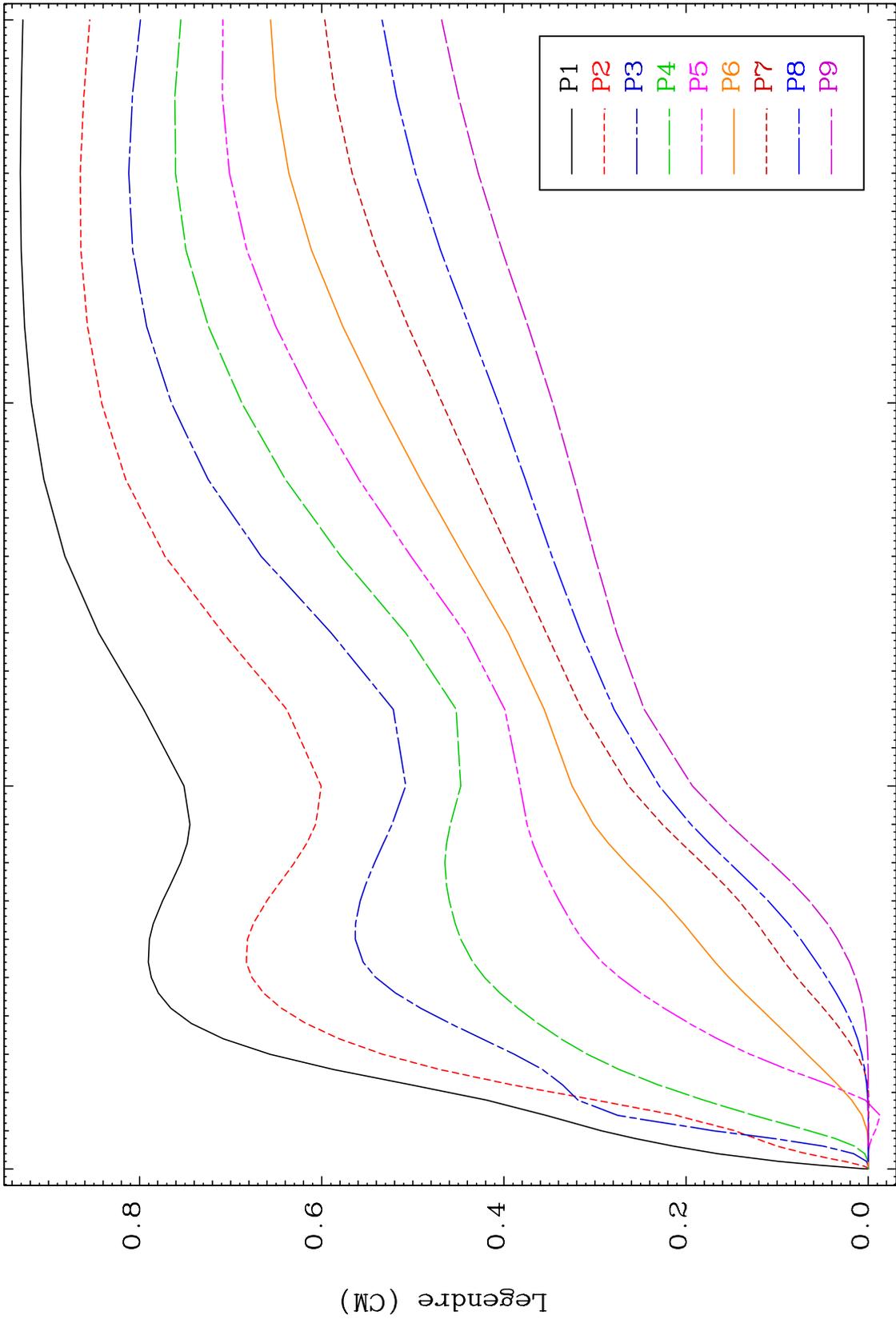




MAT 8304

Elastic Legendre Coefficients

83-Bi-202



16

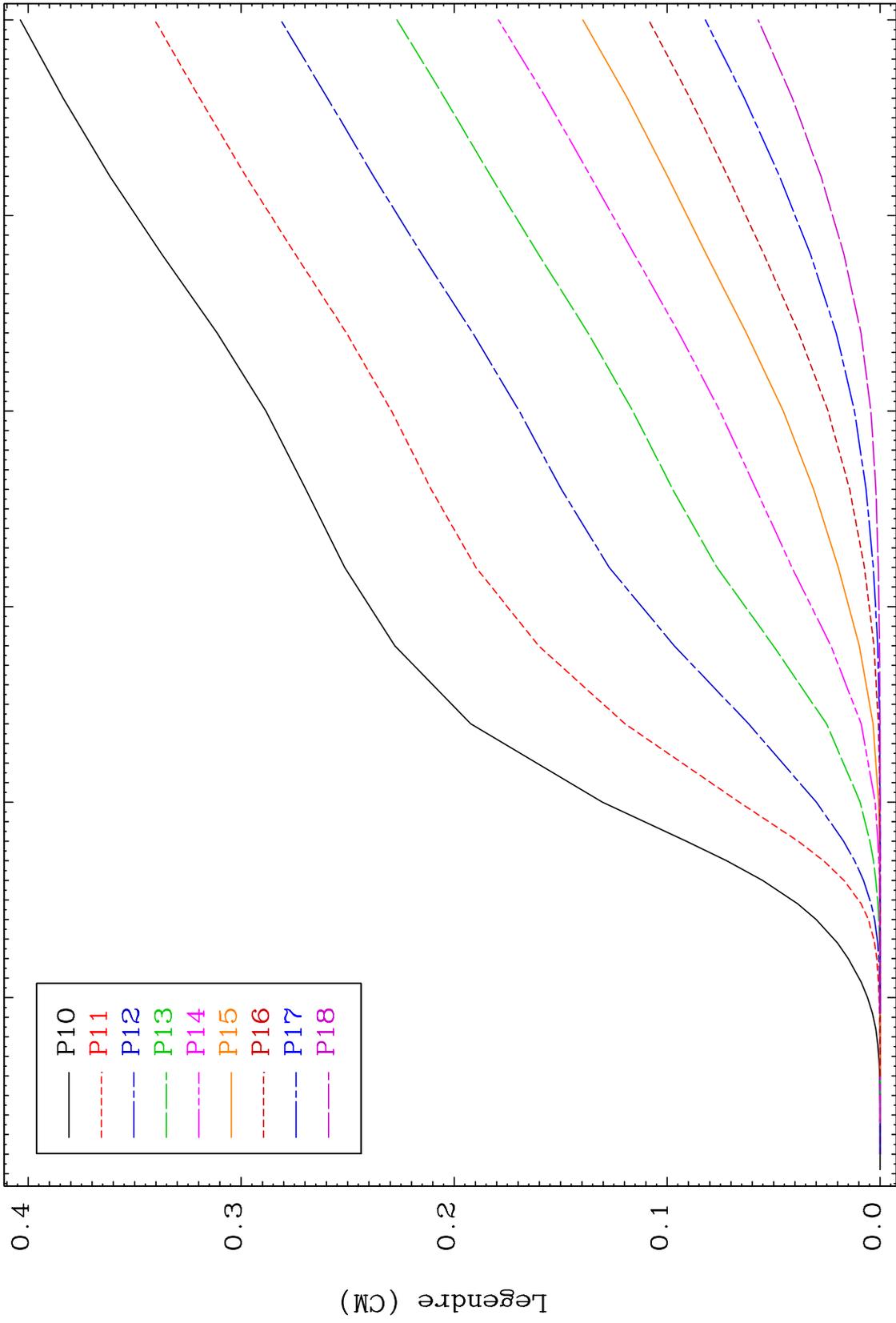
Incident Energy (MeV)

83-Bi-202

MAT 8304

Elastic Legendre Coefficients

83-Bi-202



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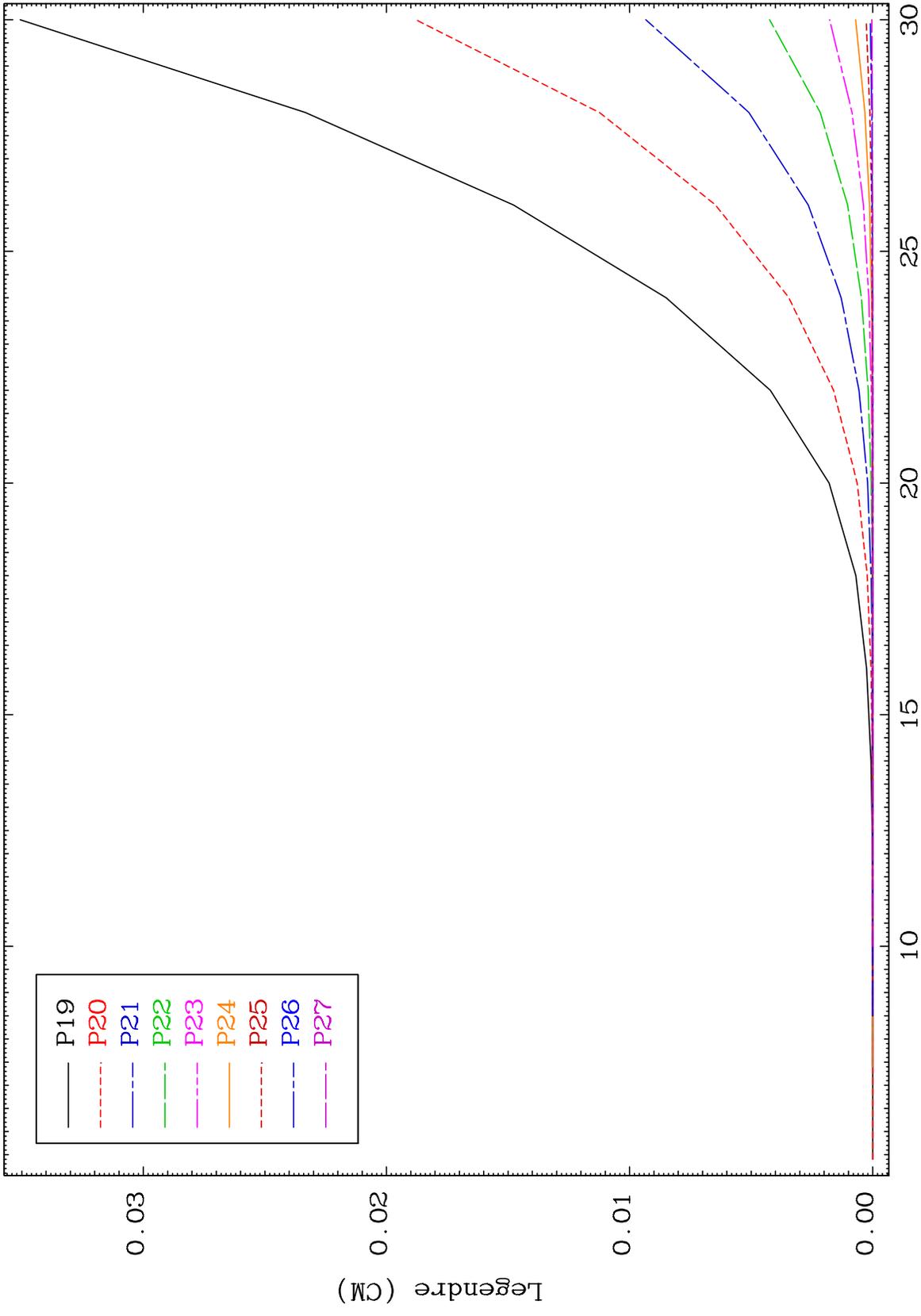
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MAT 8304

Elastic Legendre Coefficients

83-Bi-202



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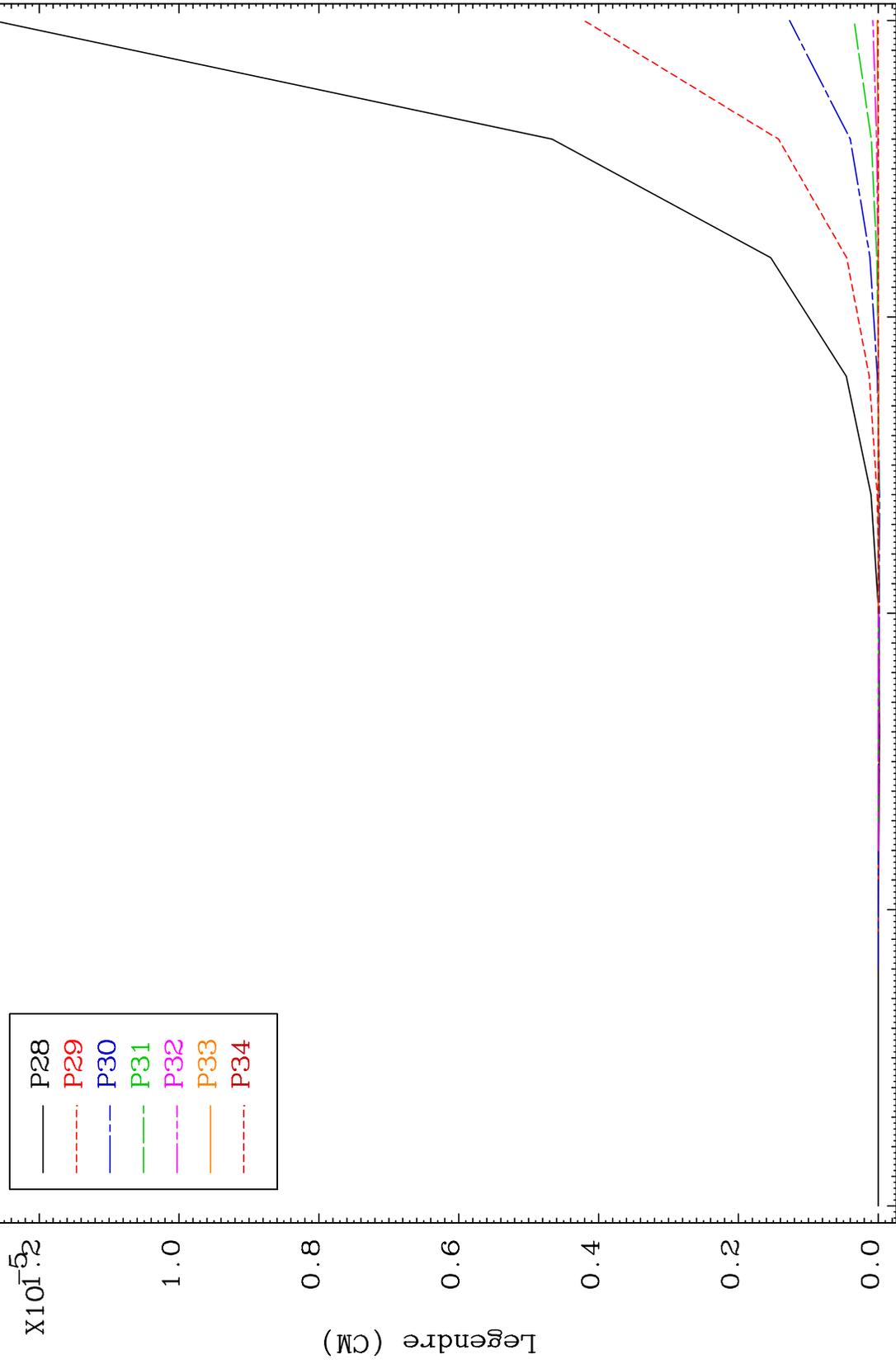
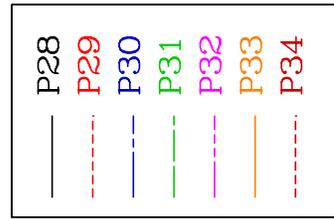
Incident Energy (MeV)

83-Bi-202

MAT 8304

Elastic Legendre Coefficients

83-Bi-202



19

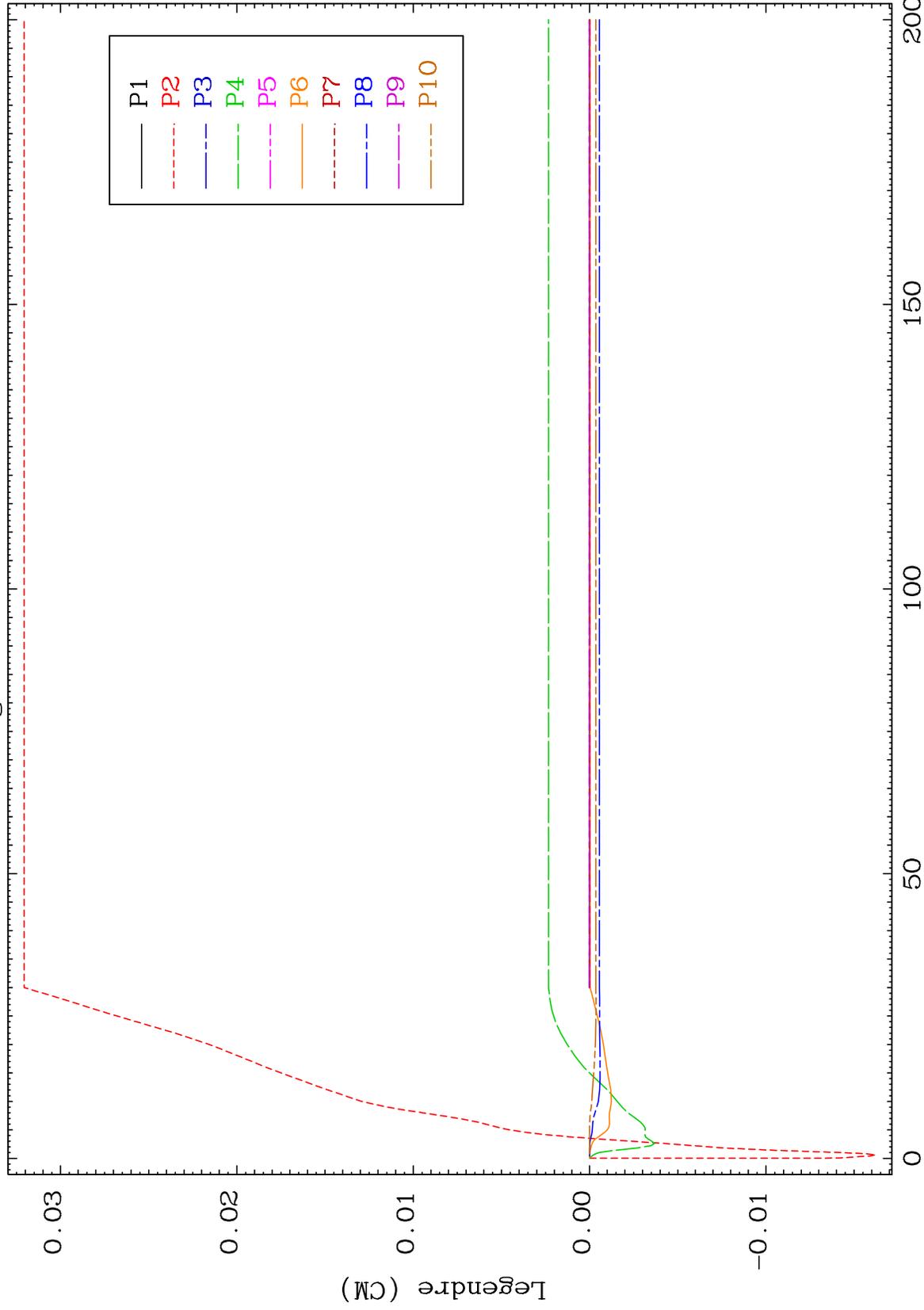
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



83-Bi-202

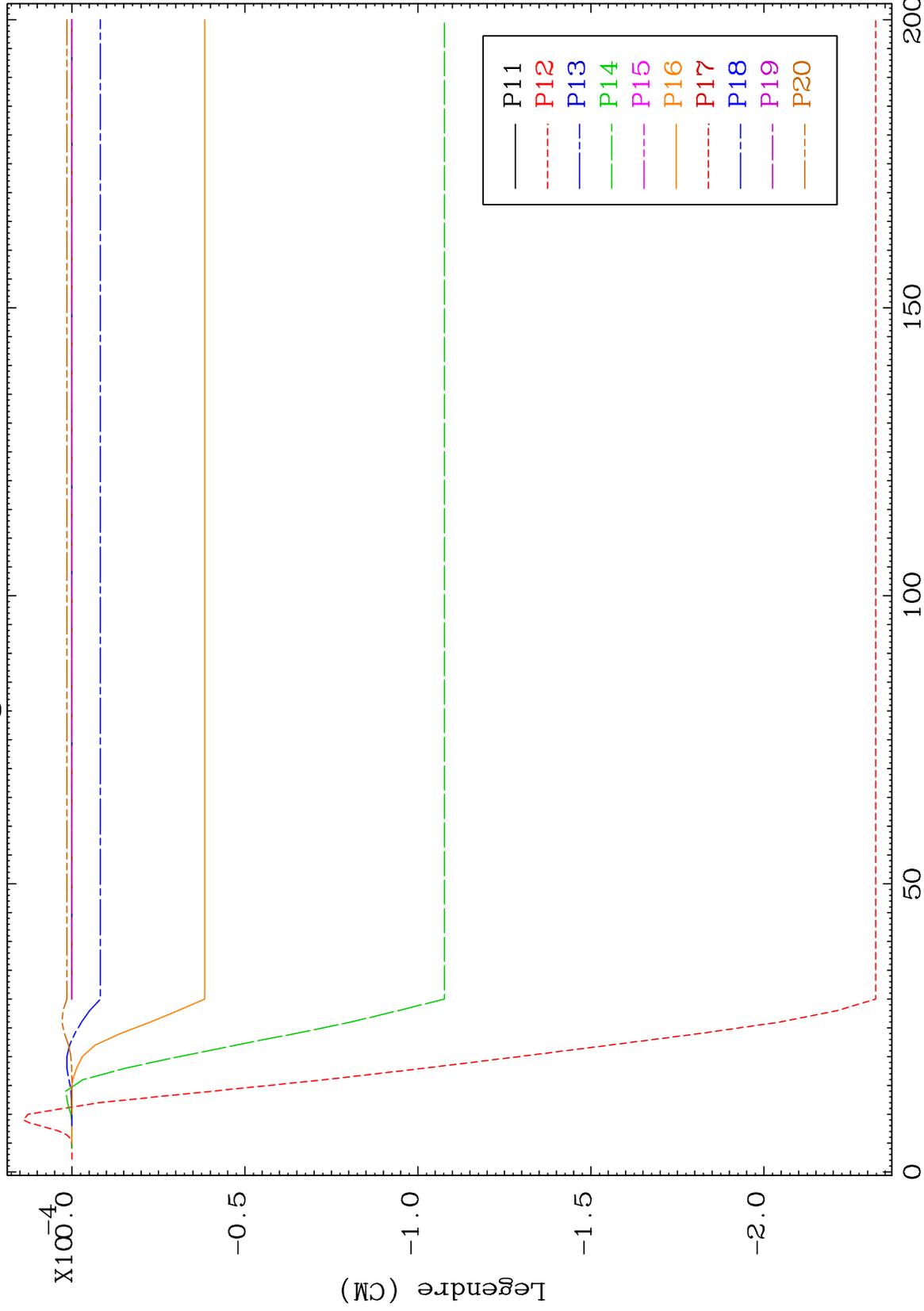
Incident Energy (MeV)

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MAT 8304

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

83-Bi-202



21

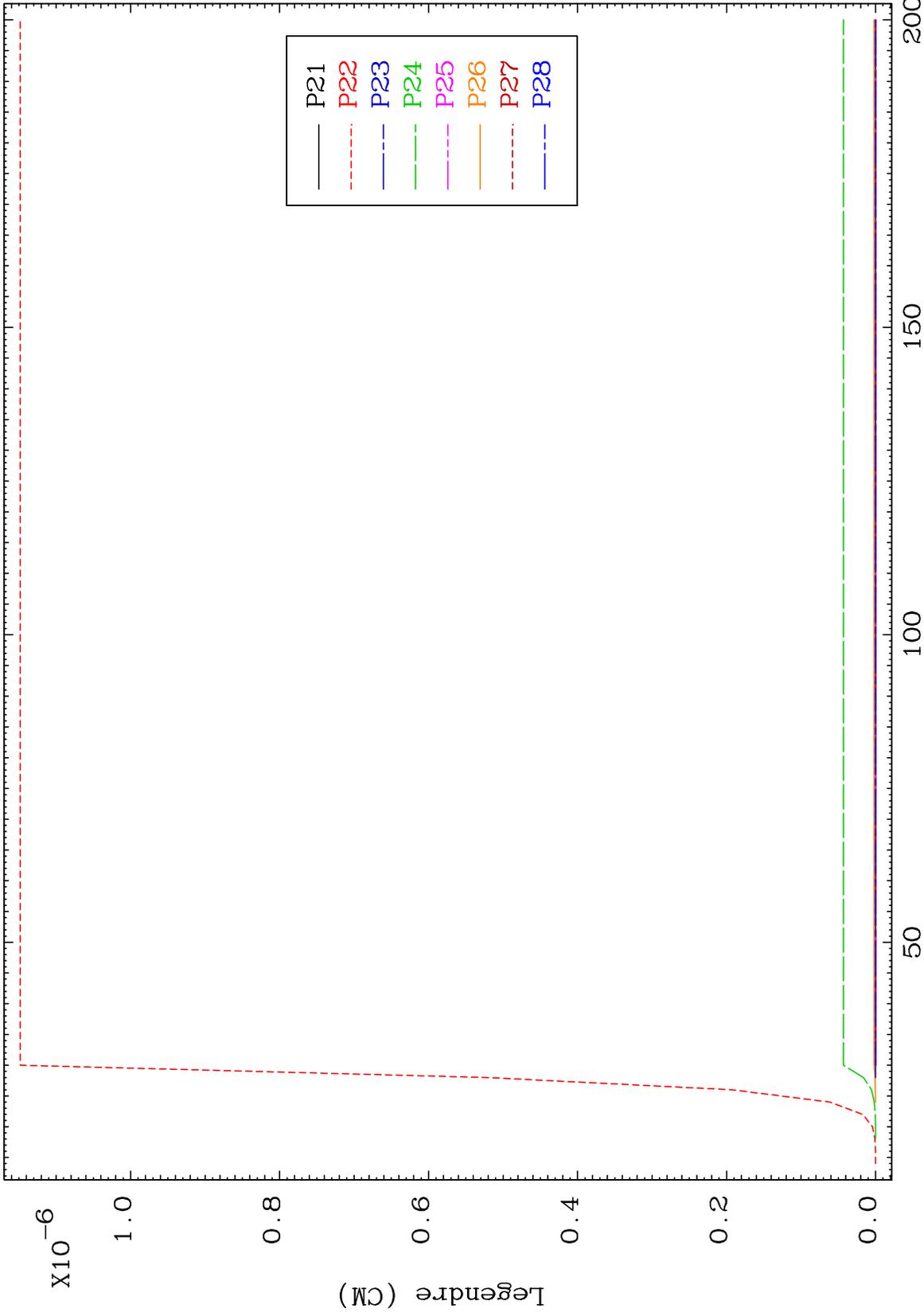
Incident Energy (MeV)

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MAT 8304

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

83-Bi-202



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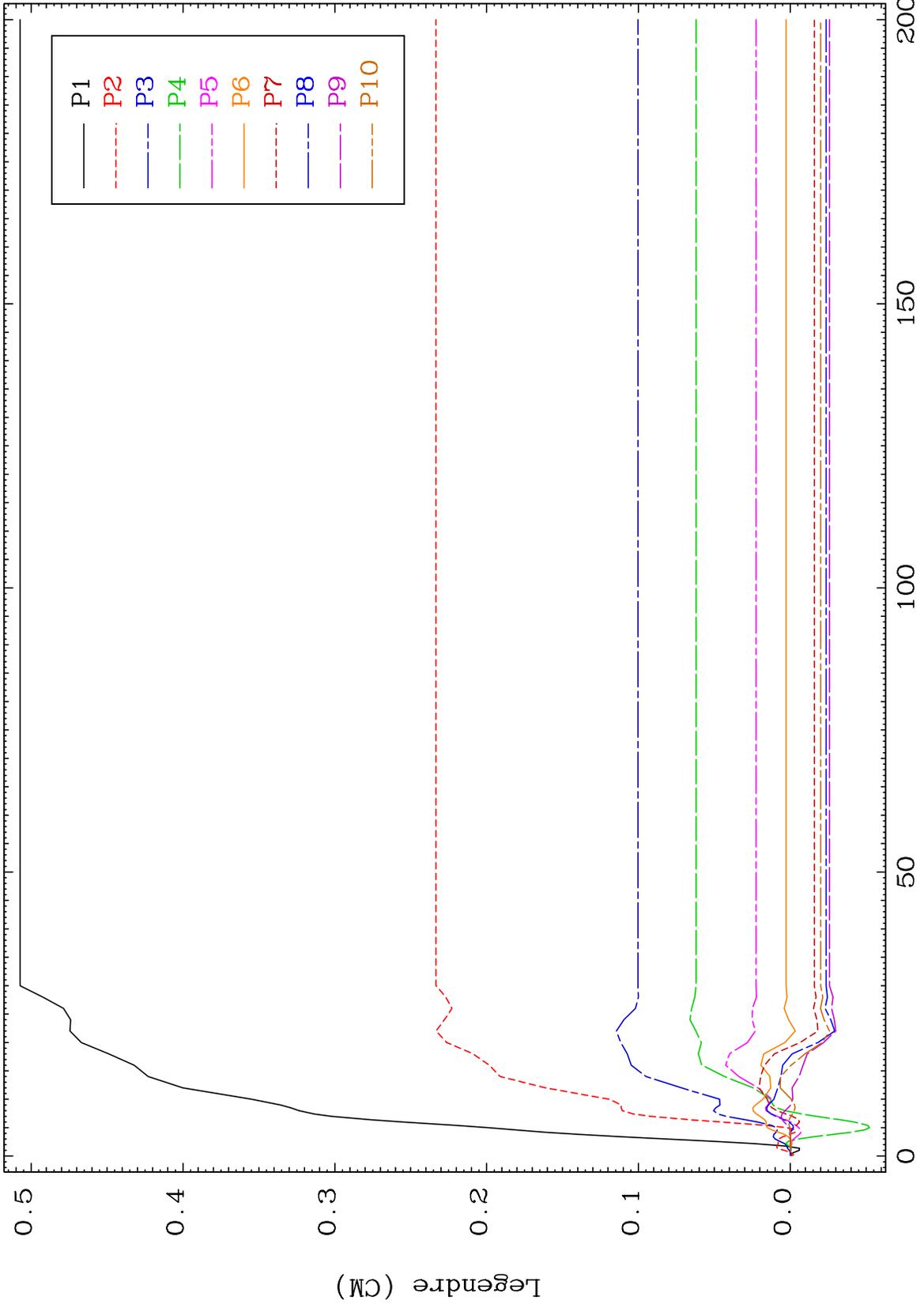
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



23

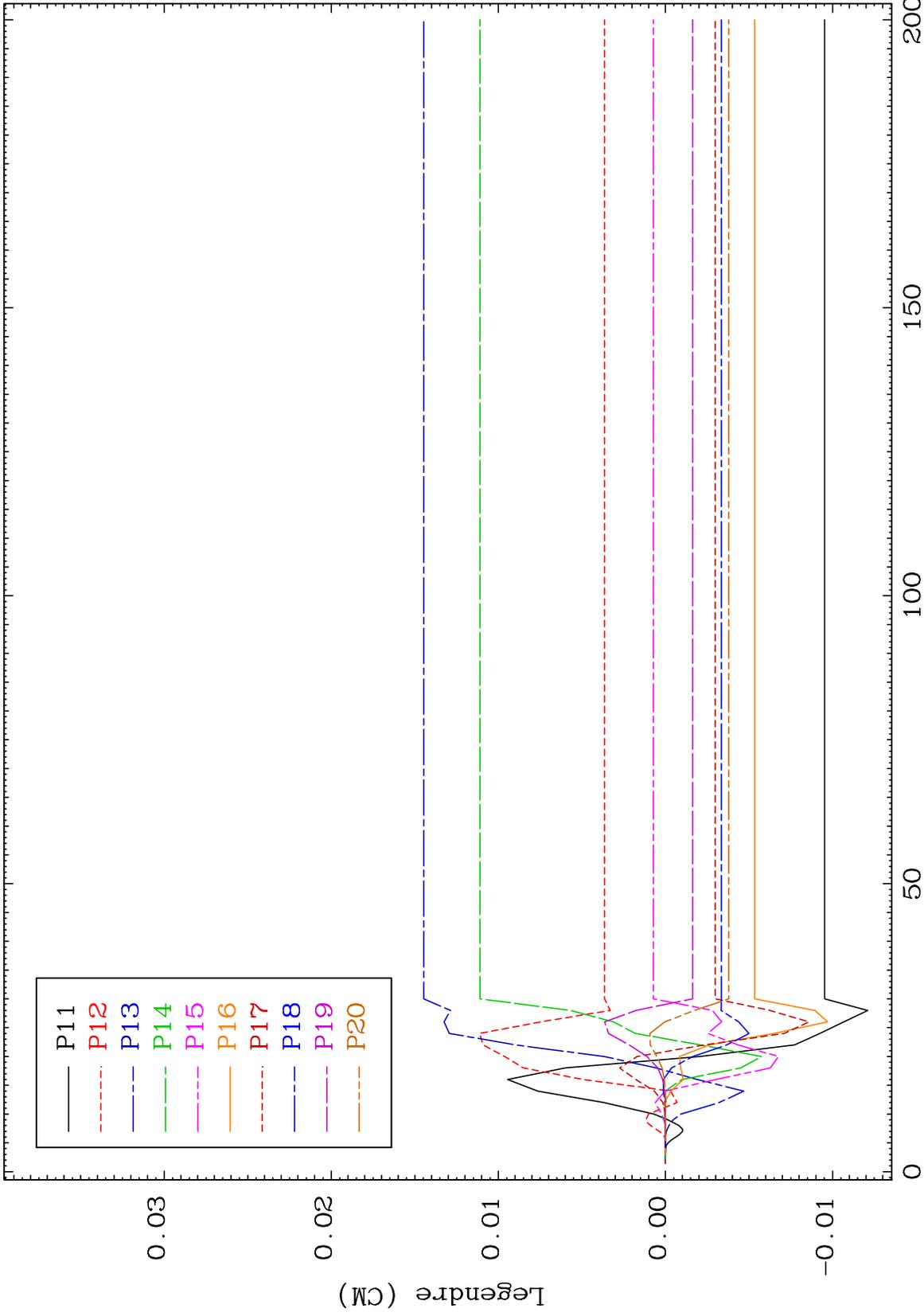
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MAT 8304

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

83-Bi-202



24

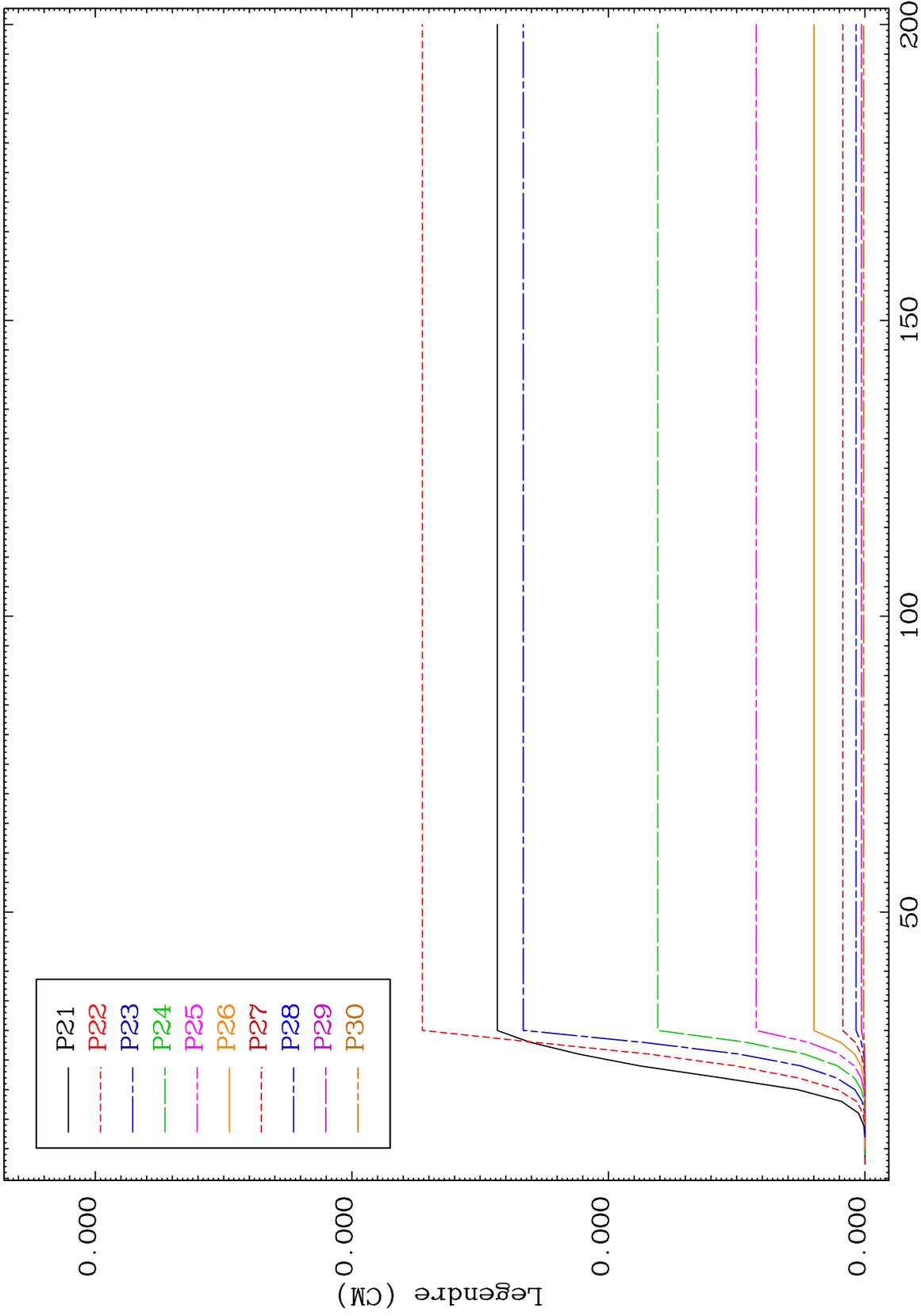
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



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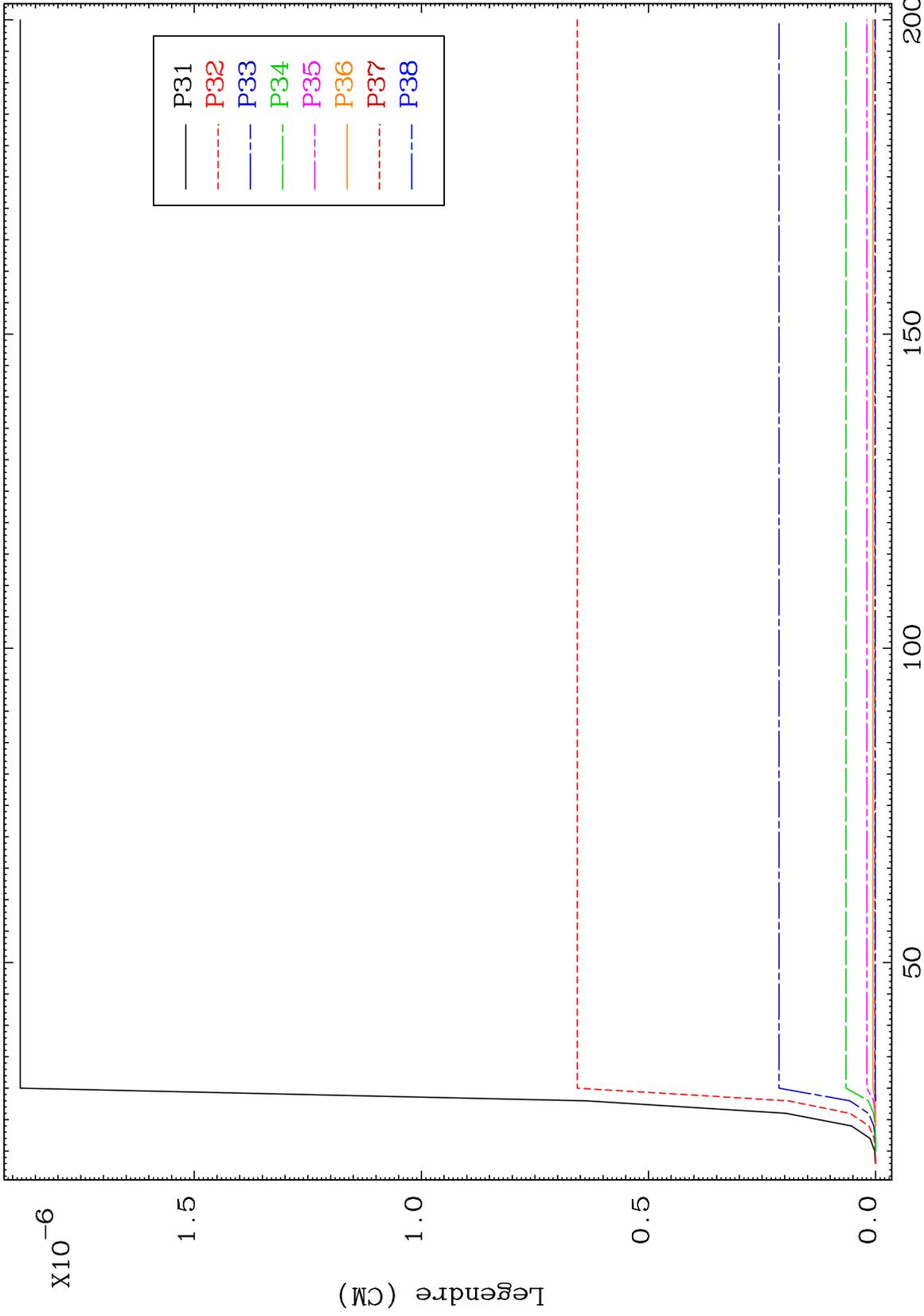
Incident Energy (MeV)

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MAT 8304

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

83-Bi-202



26

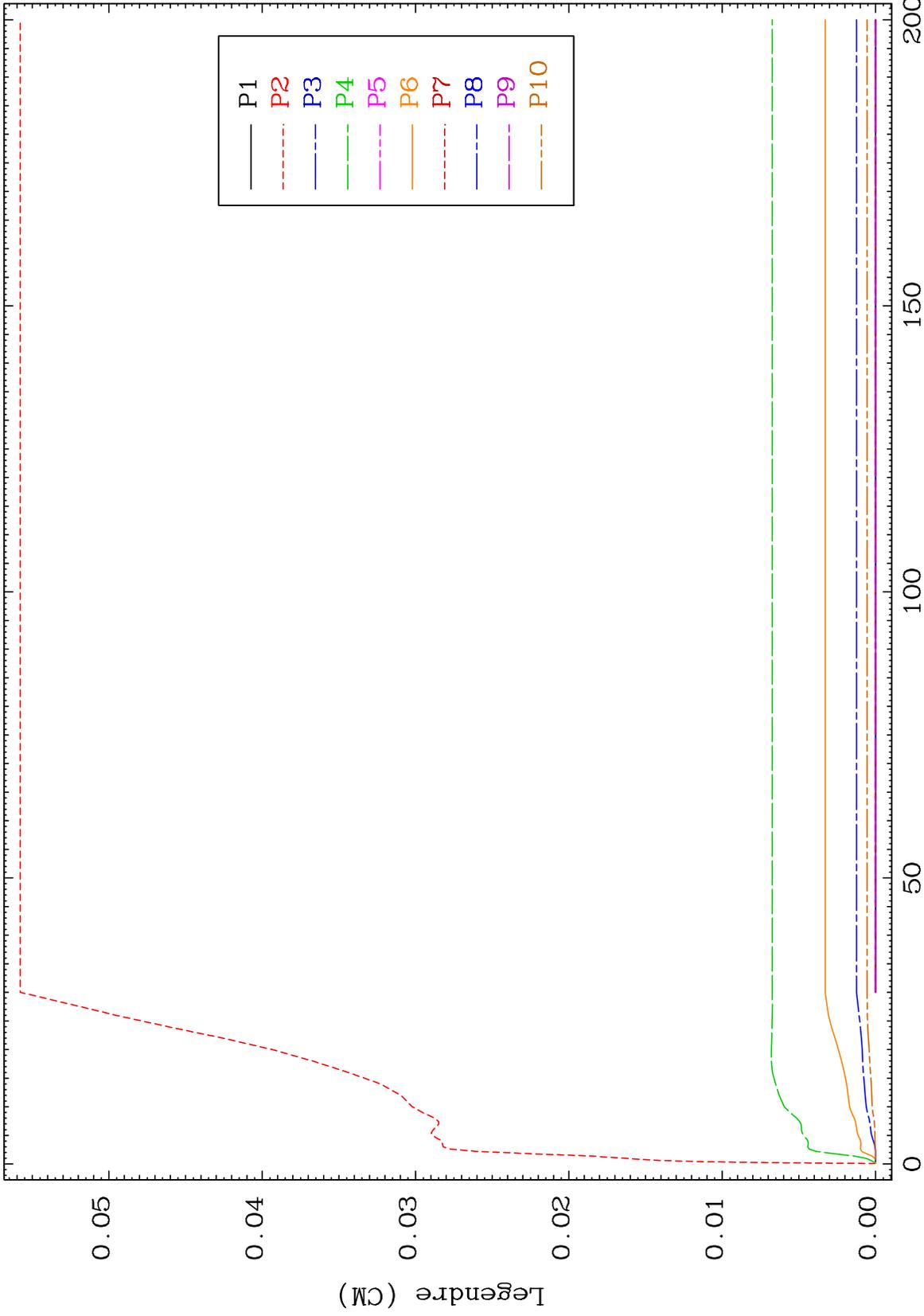
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



27

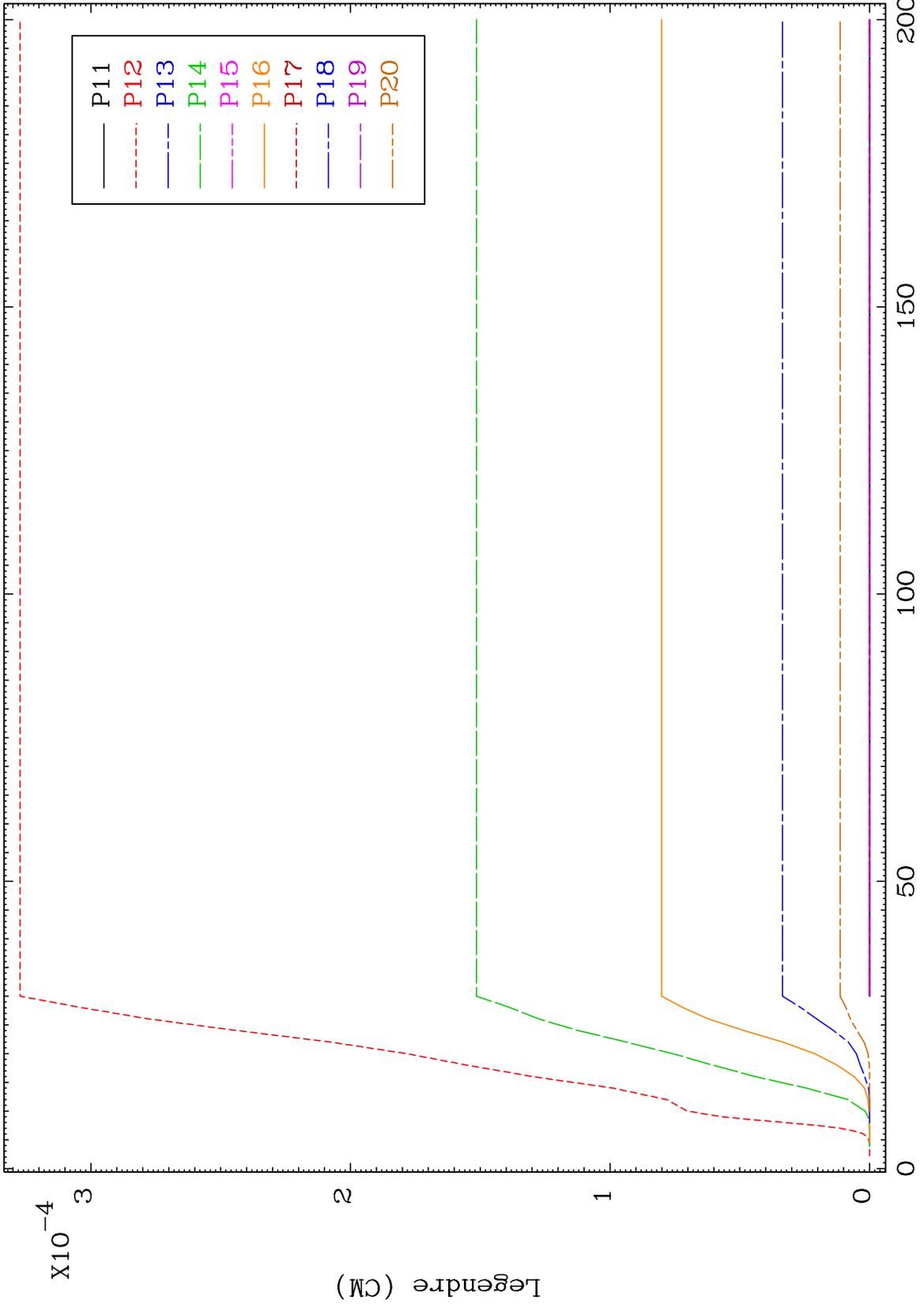
Incident Energy (MeV)

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MAT 8304

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

83-Bi-202



28

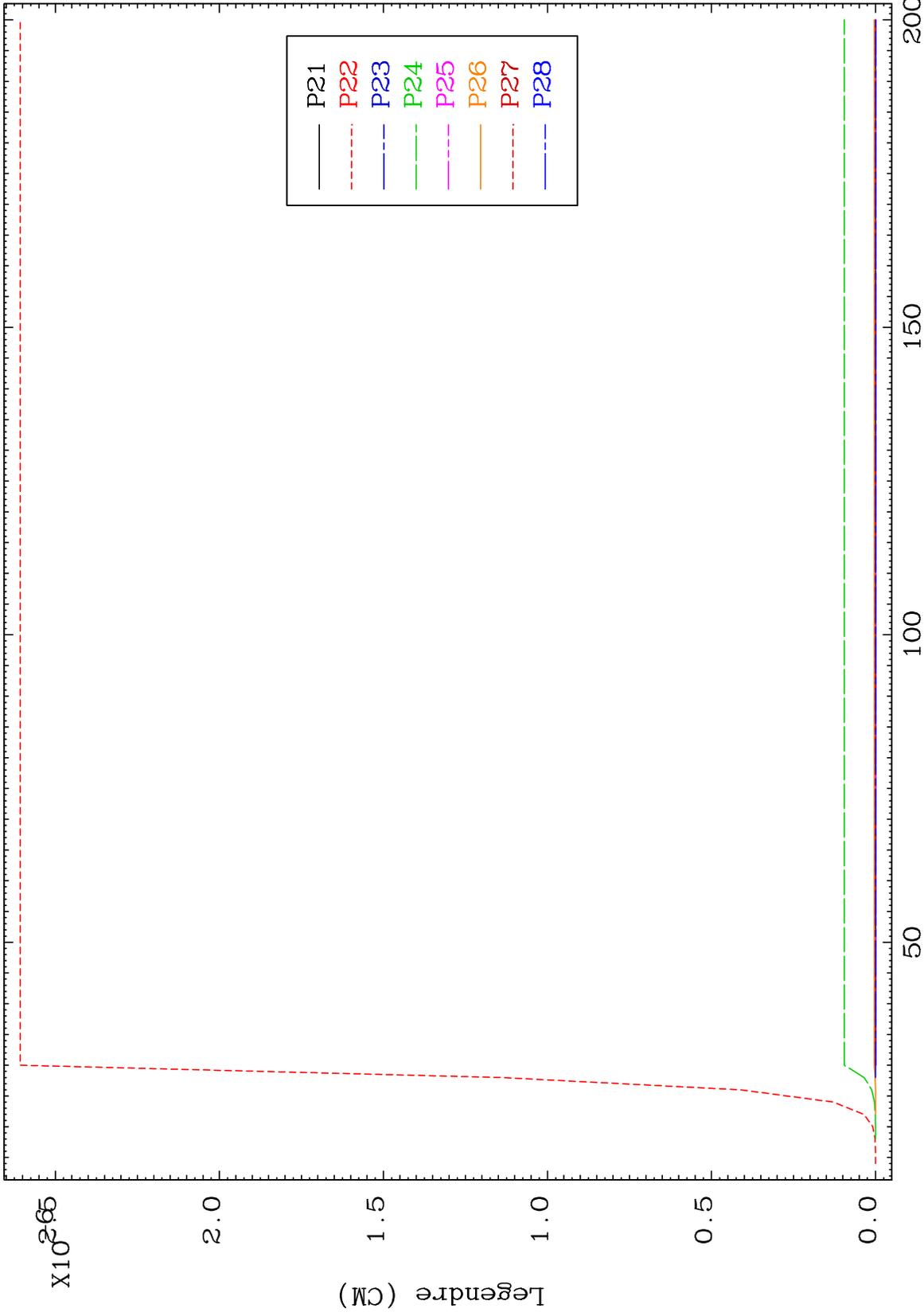
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



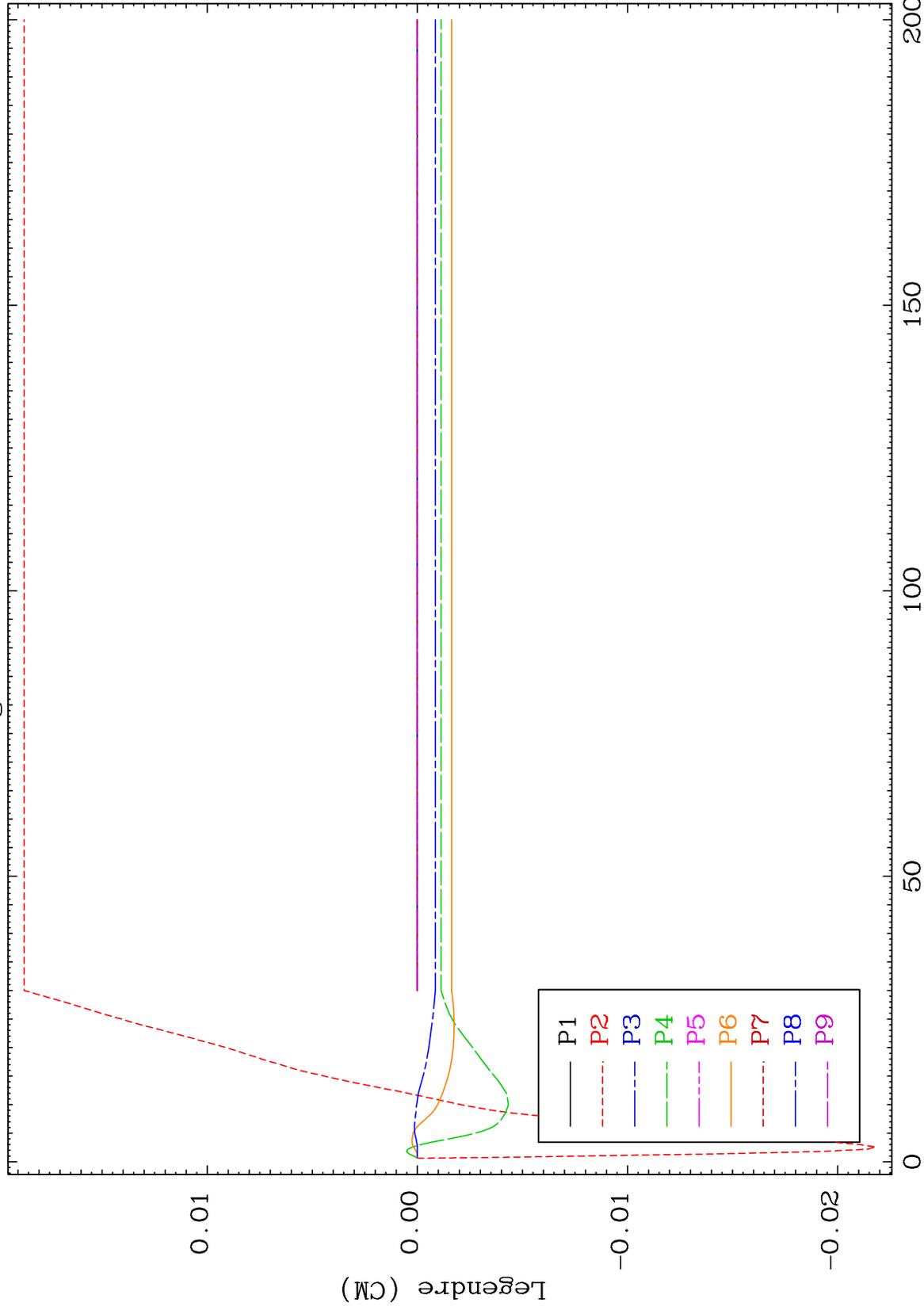
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83-Bi-202

MAT 8304

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

83-Bi-202



30

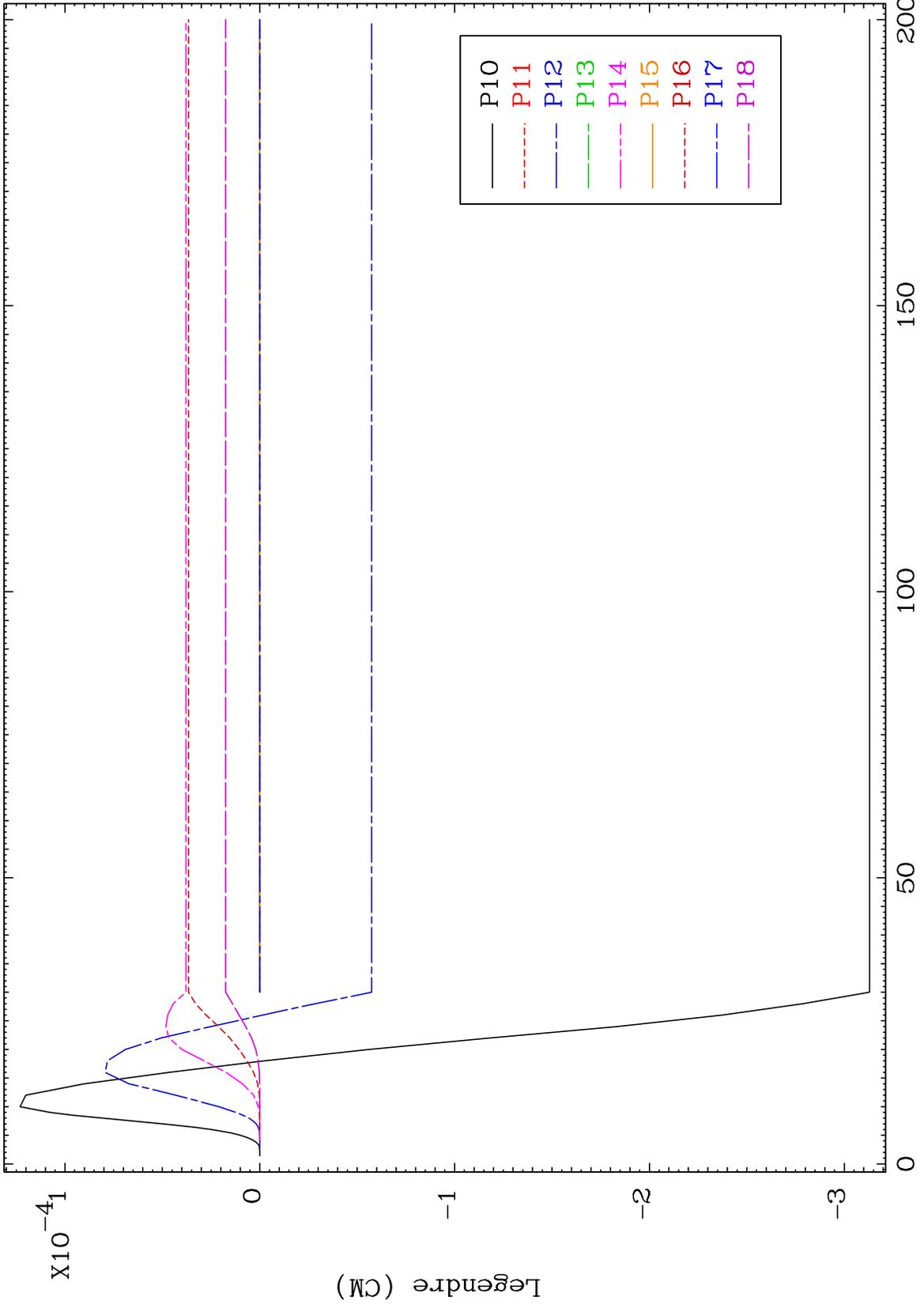
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MAT 8304

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

83-Bi-202



31

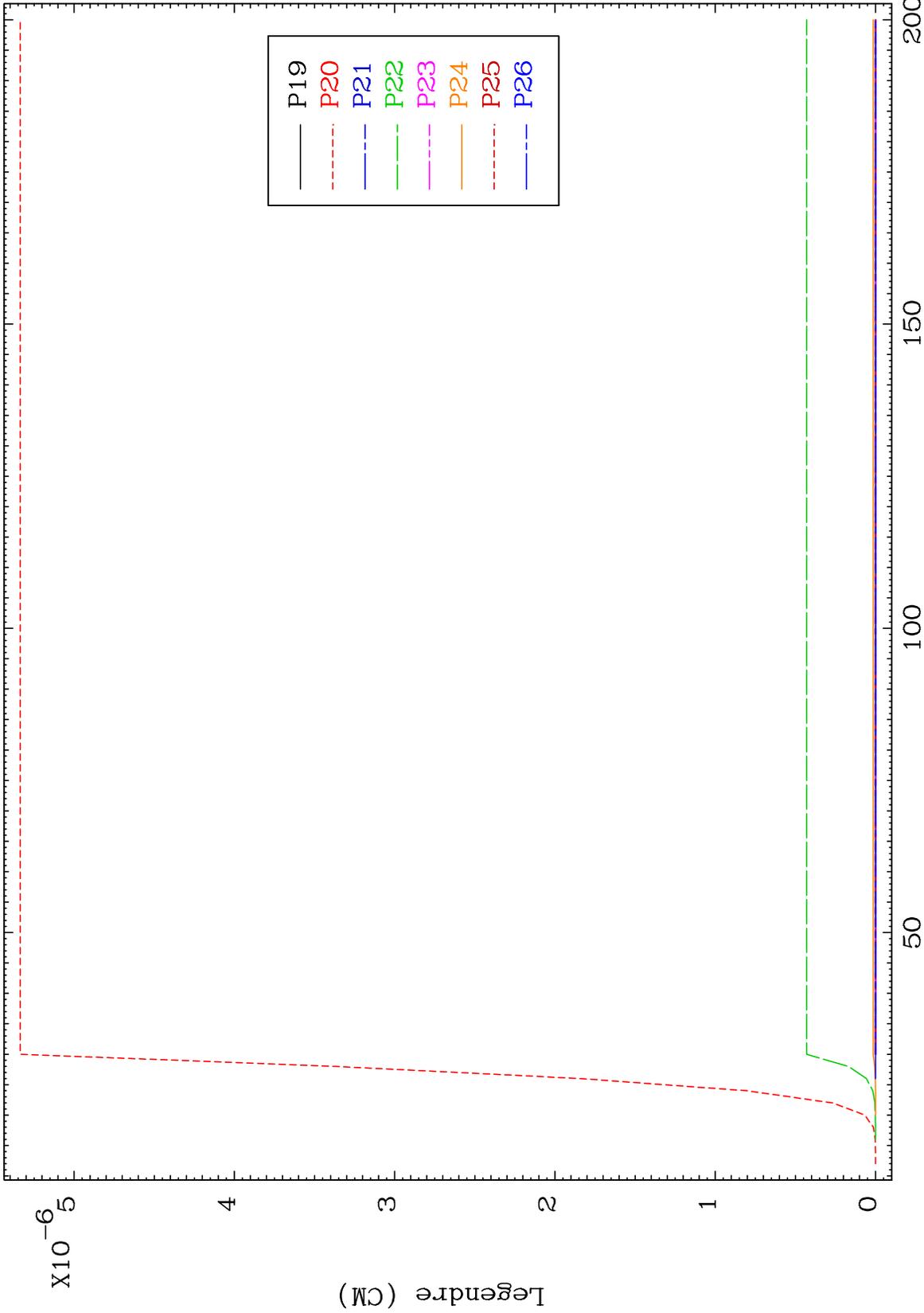
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MT= 54 (n,n') Level
Legendre Coefficients

83-Bi-202



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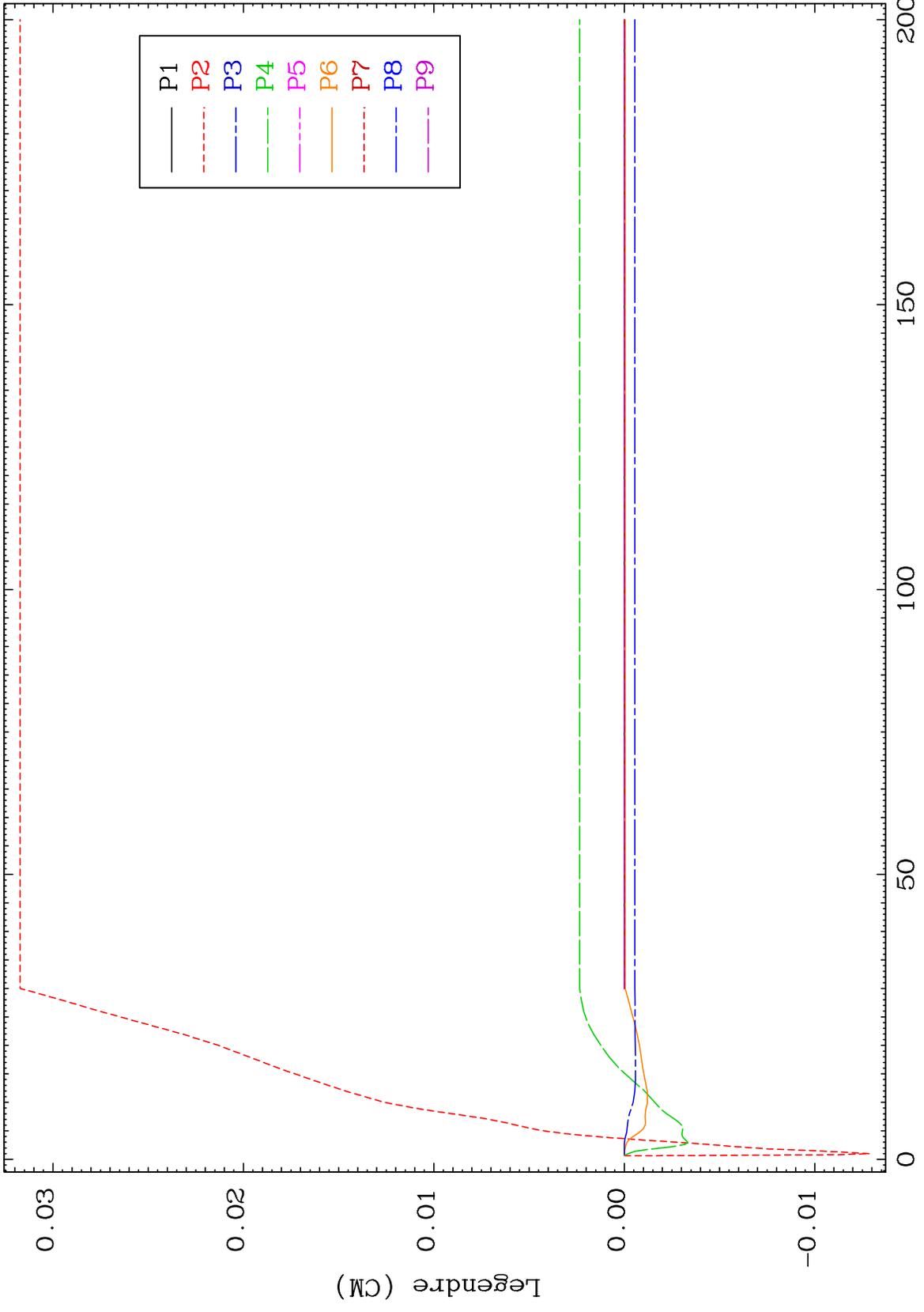
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



33

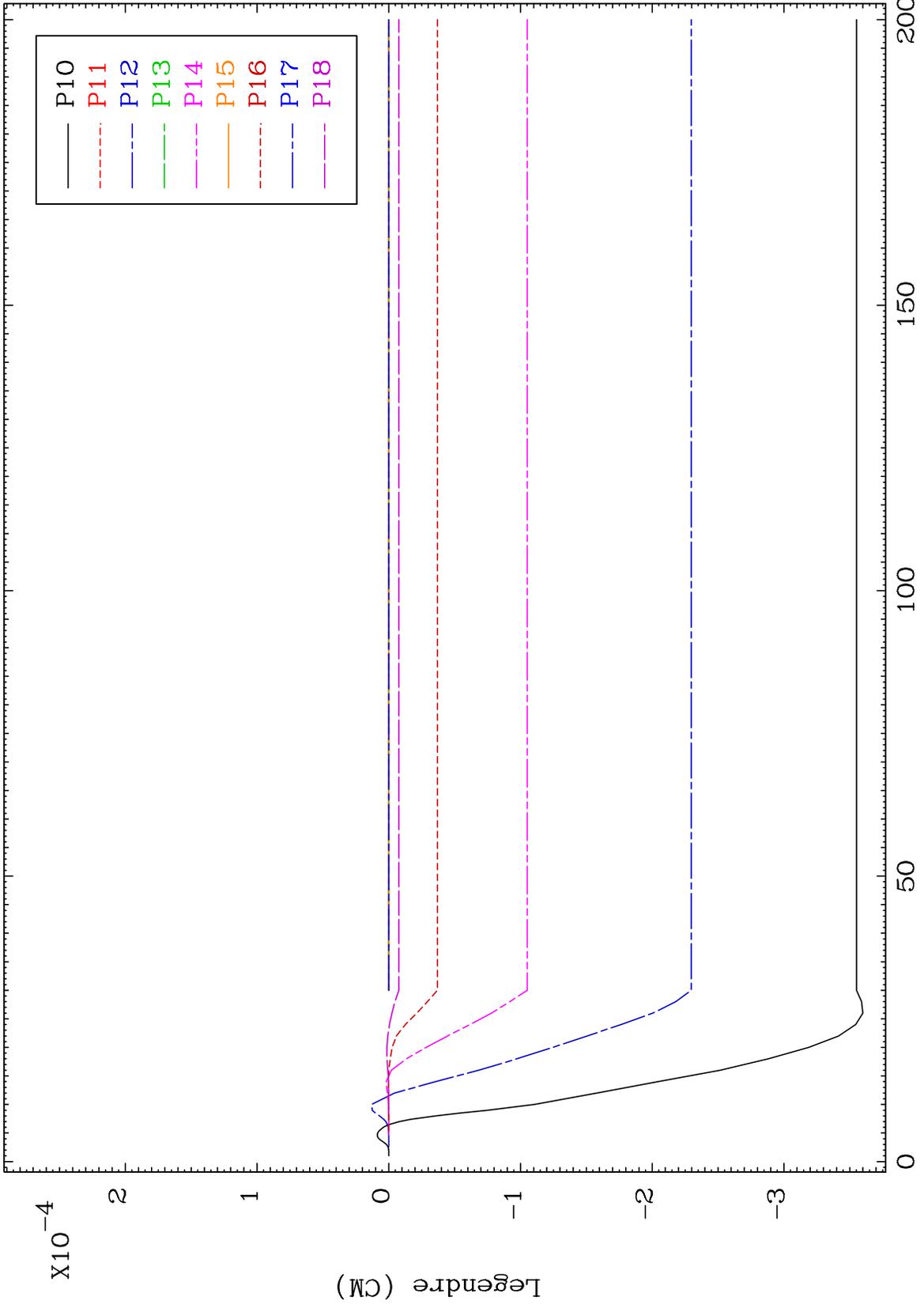
Incident Energy (MeV)

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MAT 8304

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

83-Bi-202



34

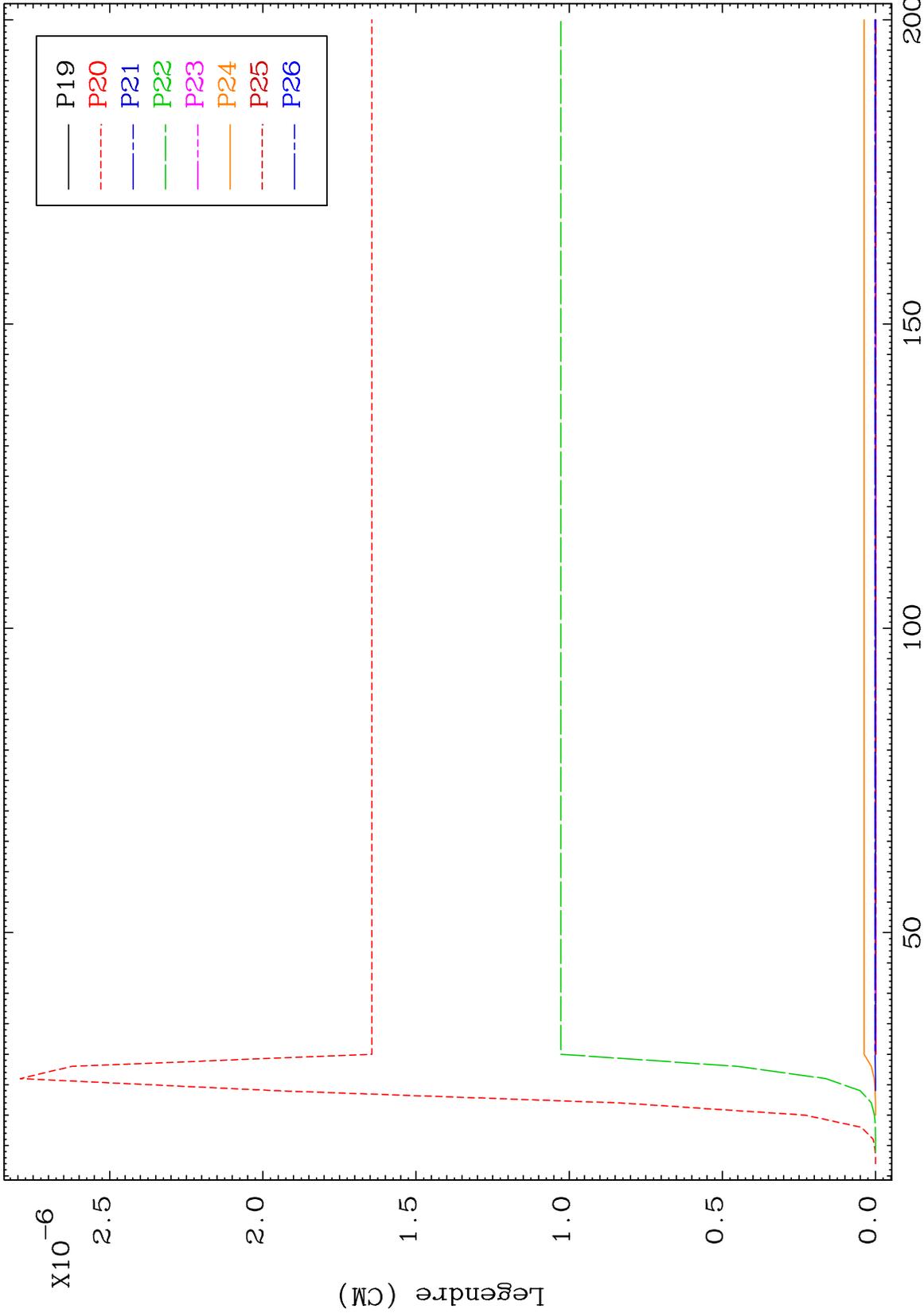
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



35

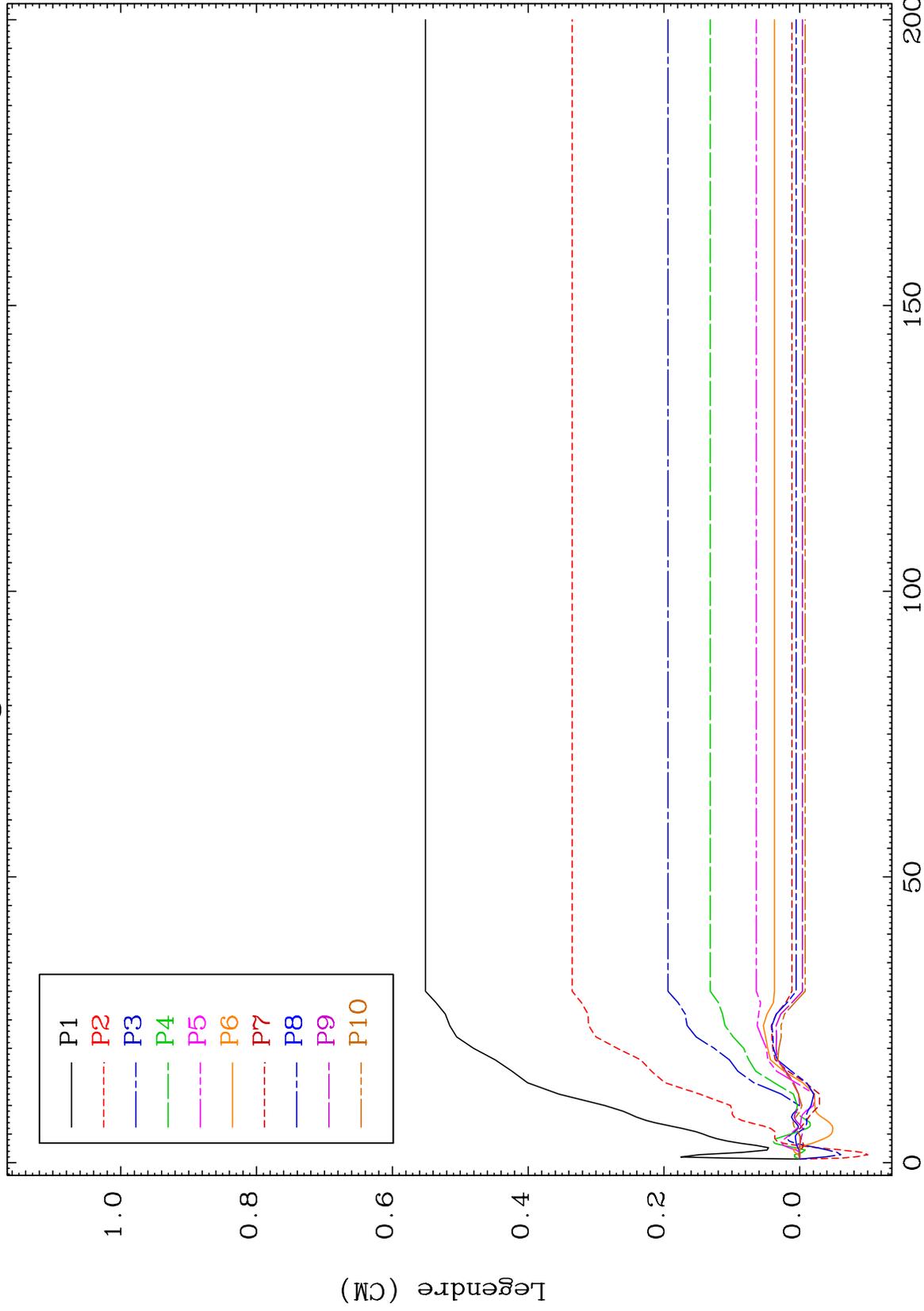
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



36

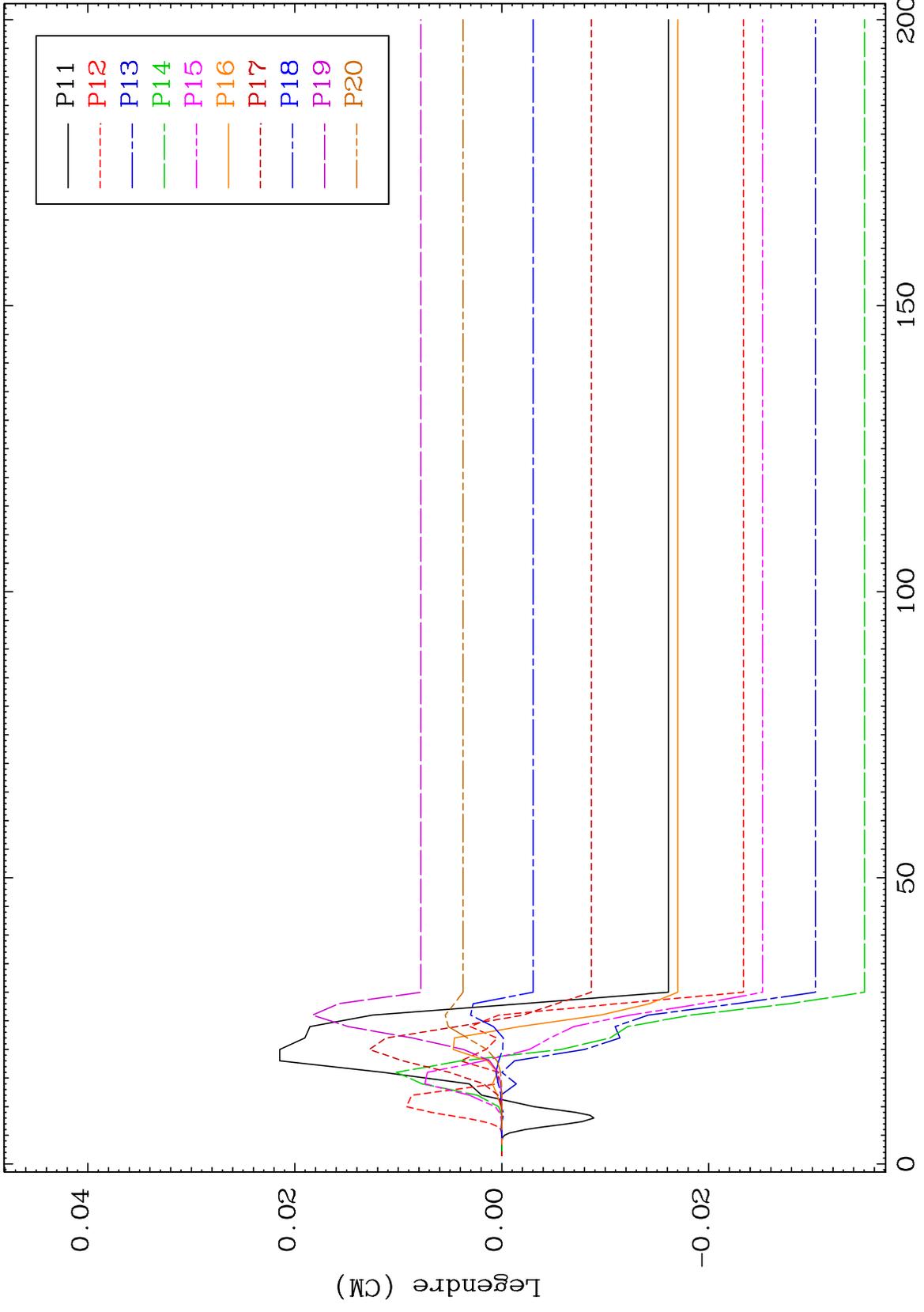
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83-Bi-202

MAT 8304

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

83-Bi-202



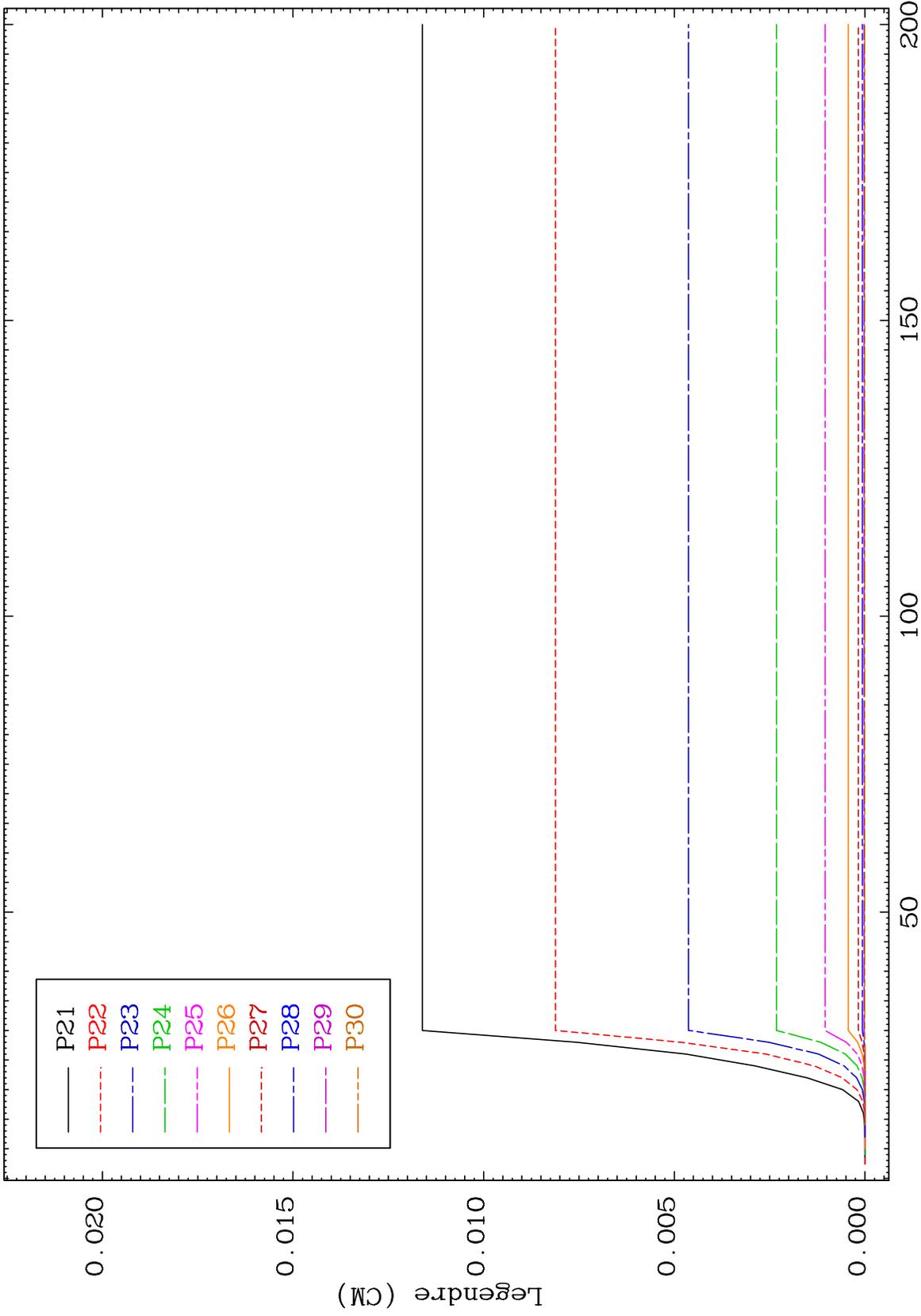
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MAT 8304

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

83-Bi-202



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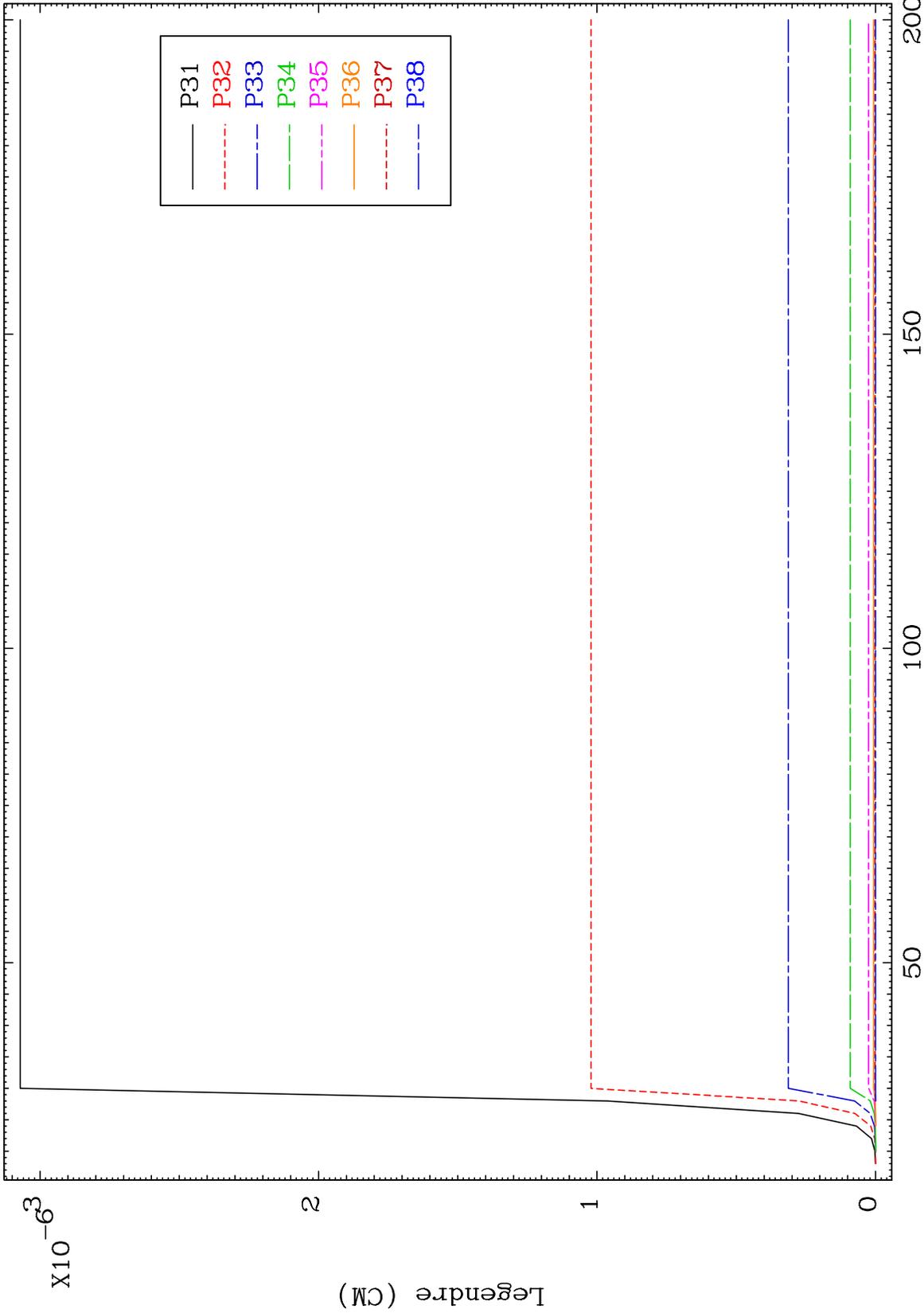
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MAT 8304

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

83-Bi-202



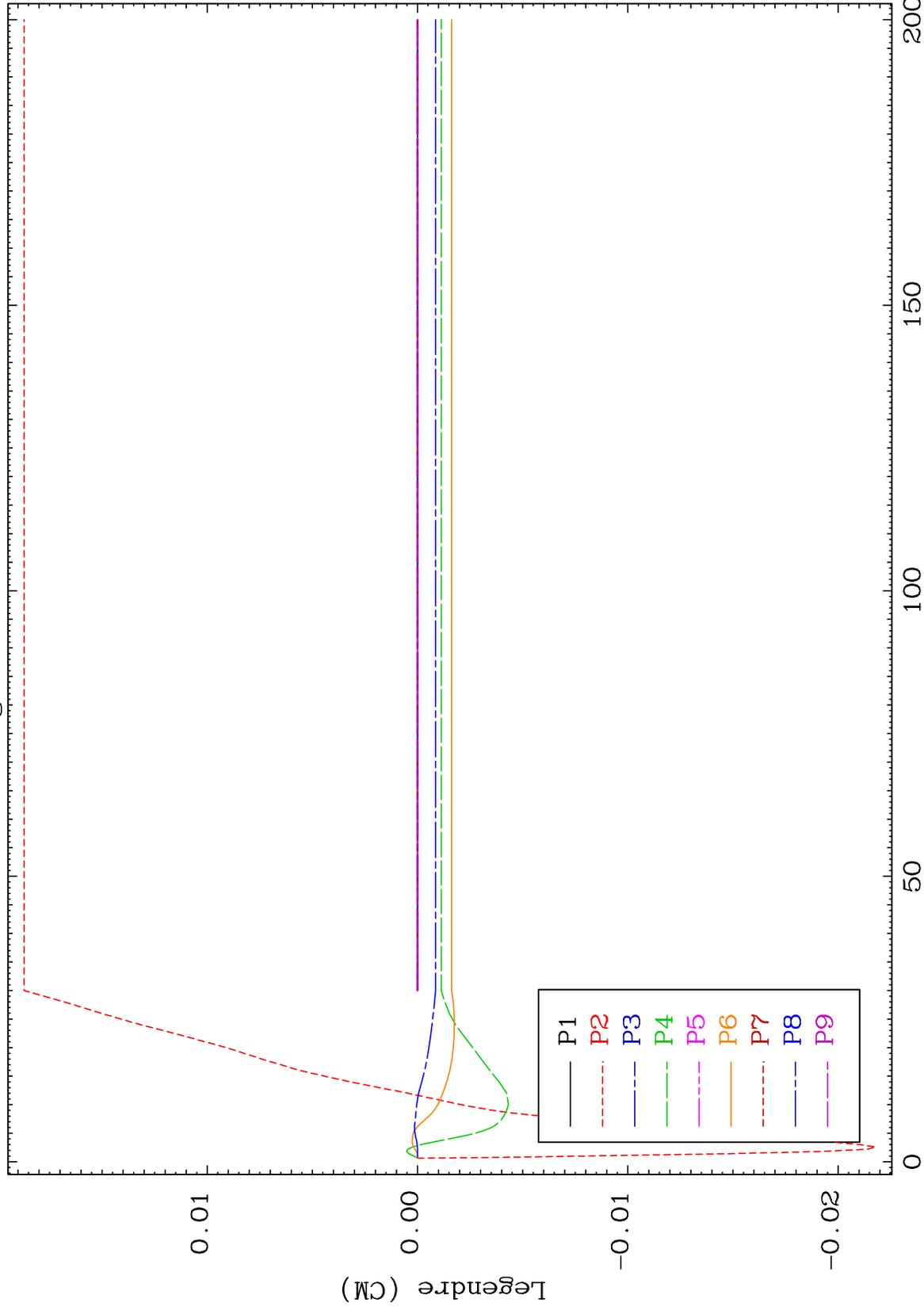
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MAT 8304

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

83-Bi-202



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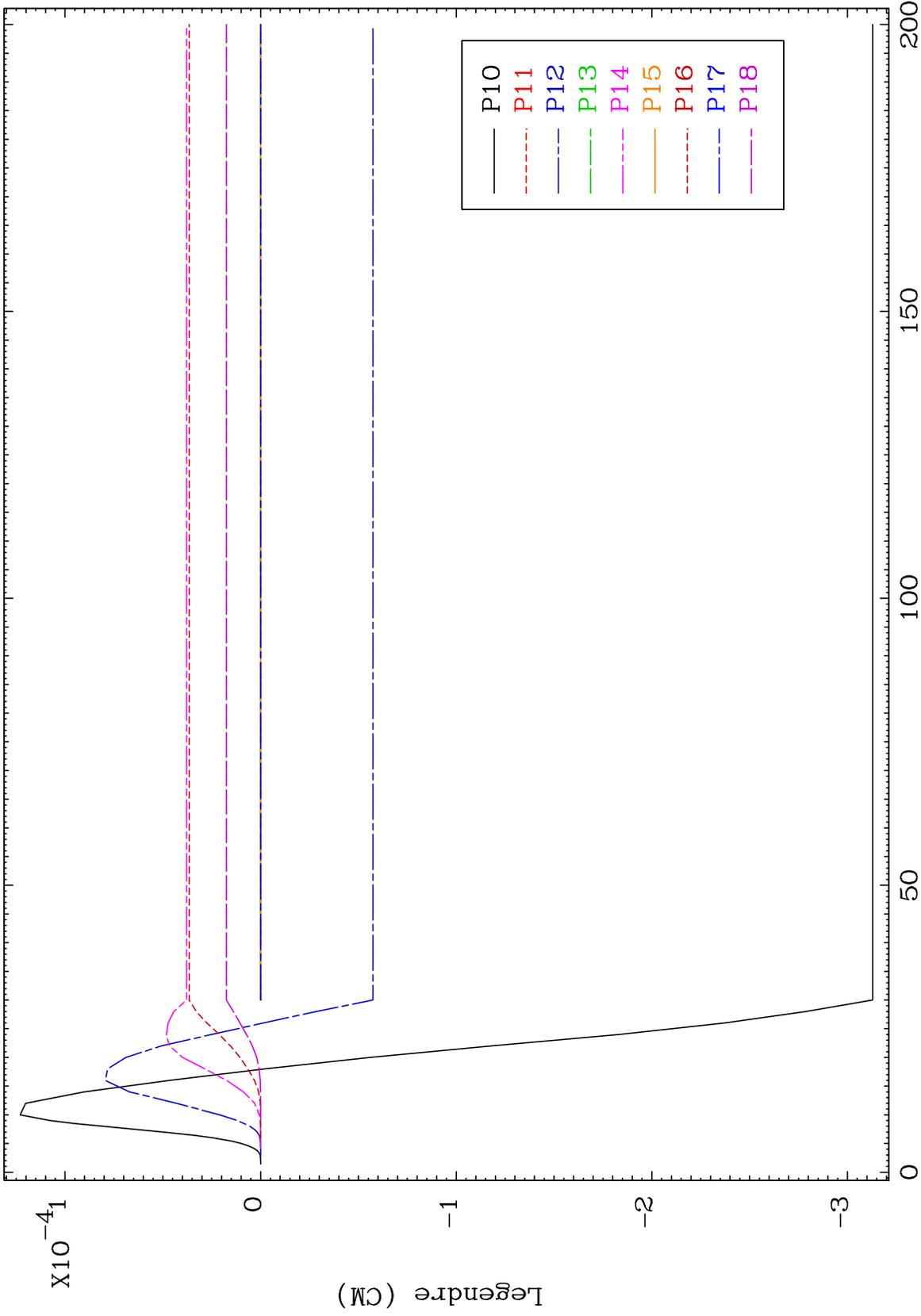
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MAT 8304

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

83-Bi-202



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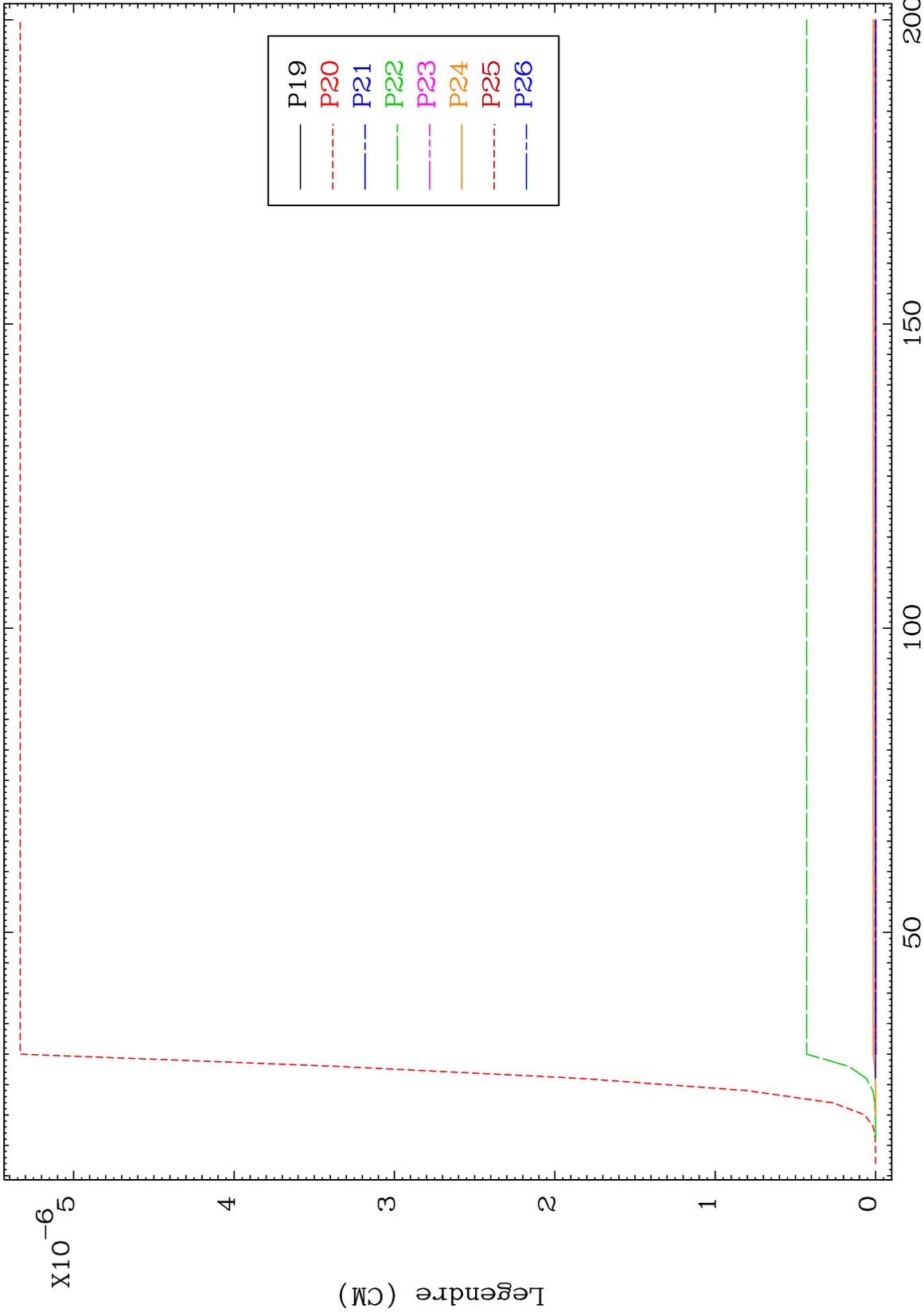
Incident Energy (MeV)

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MAT 8304

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

83-Bi-202



42

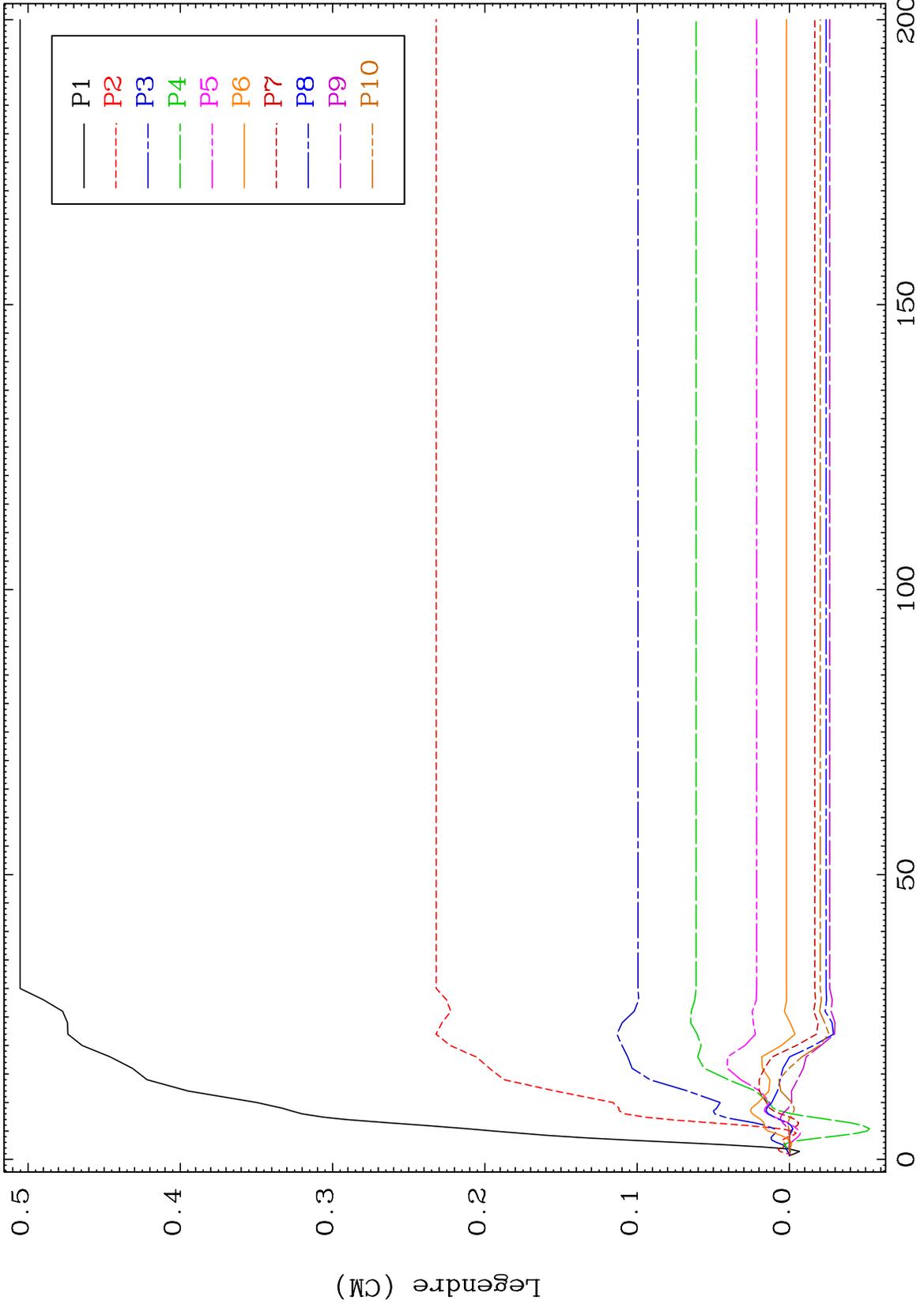
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



43

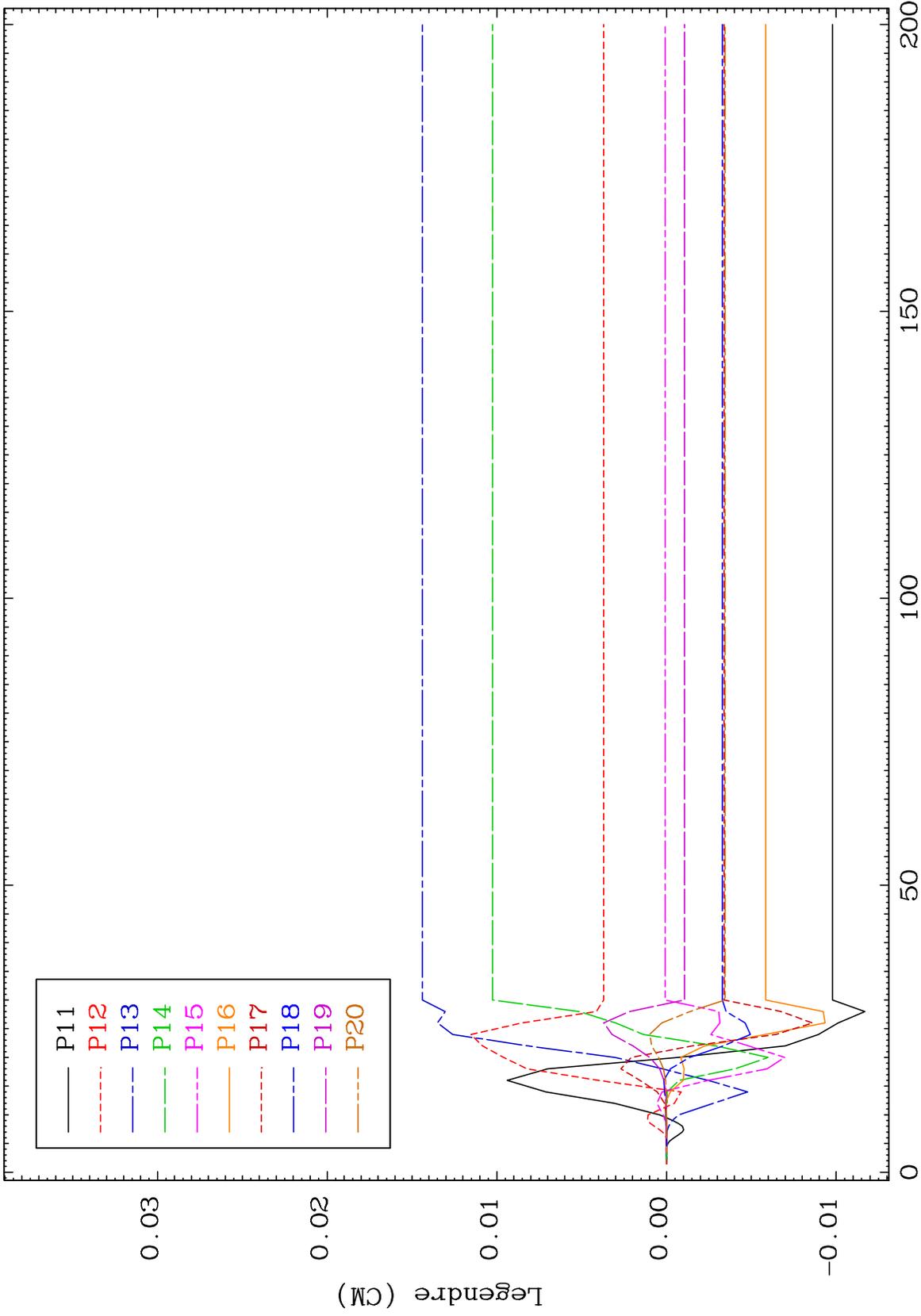
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83-Bi-202

MAT 8304

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

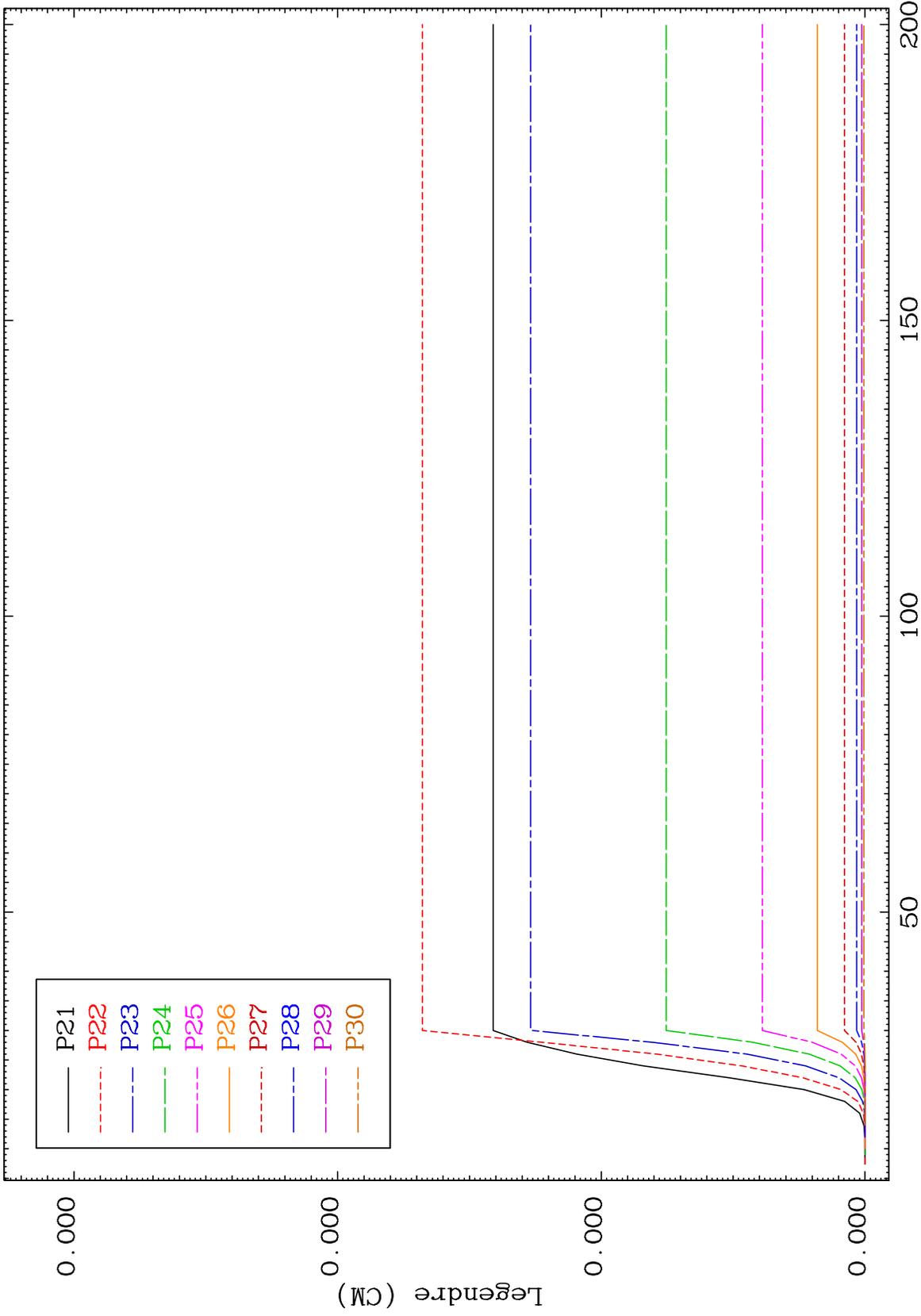
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MAT 8304

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

83-Bi-202



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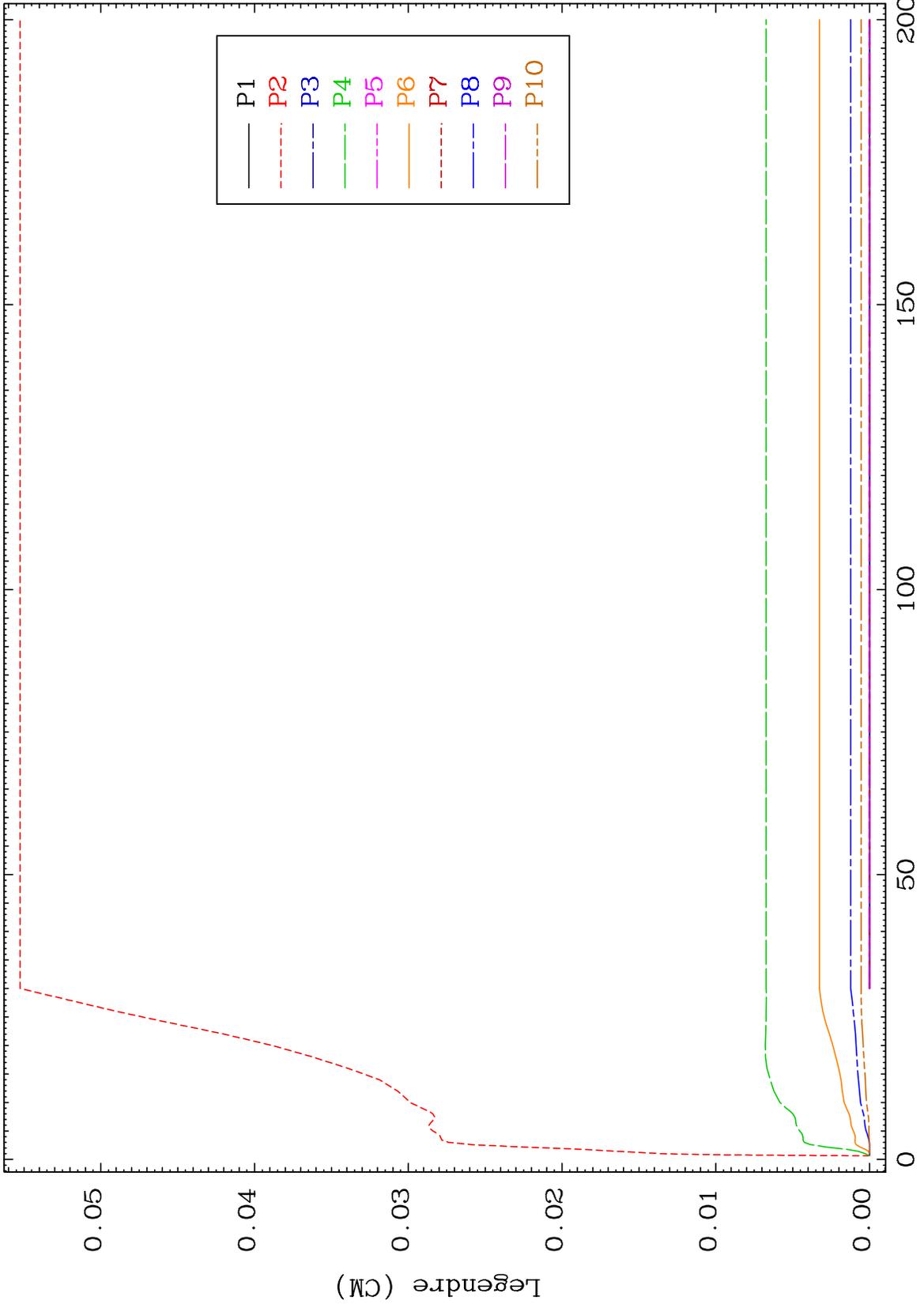
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83-Bi-202

MAT 8304

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

83-Bi-202



47

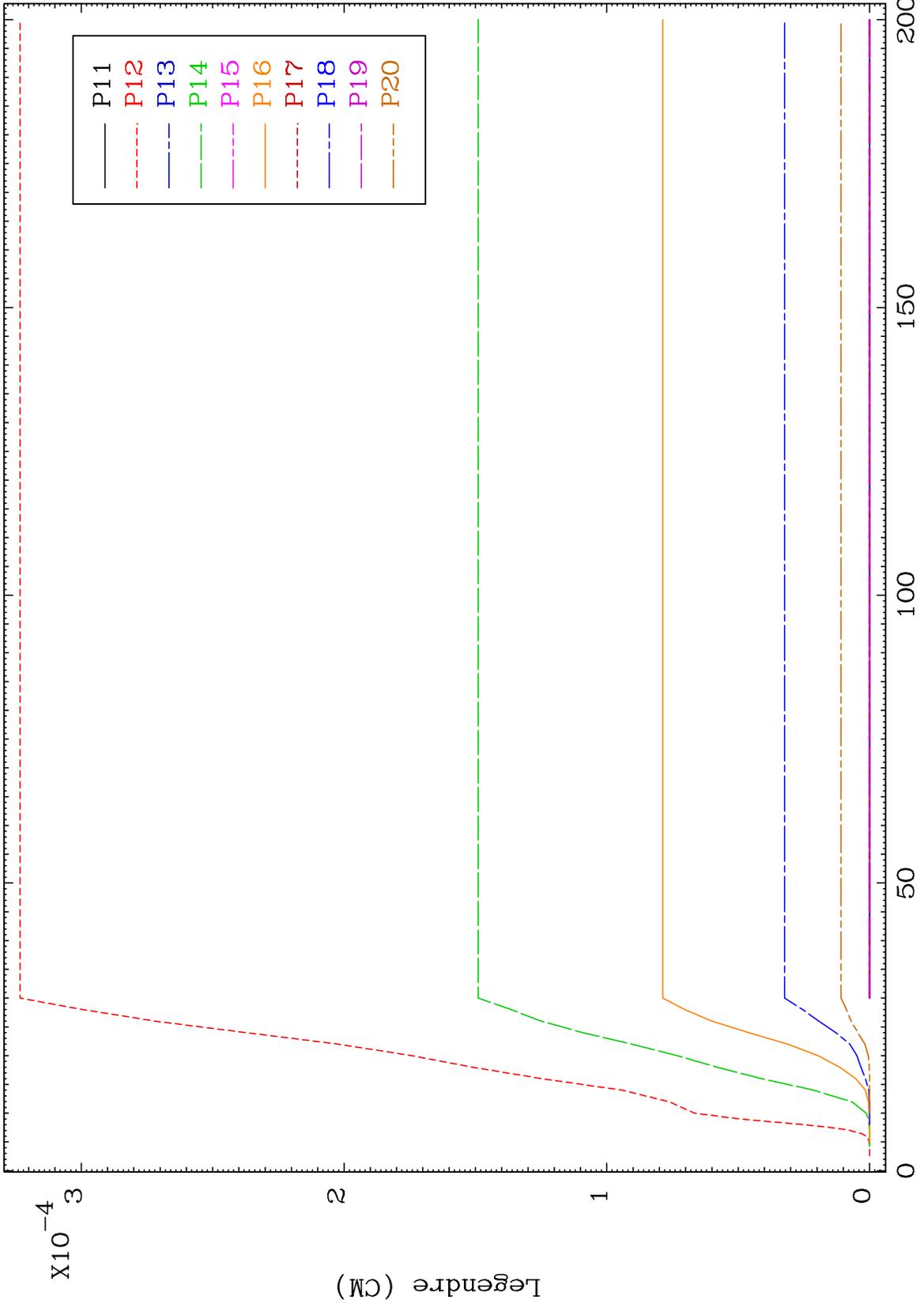
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MT= 59 (n,n') Level
Legendre Coefficients

83-Bi-202



48

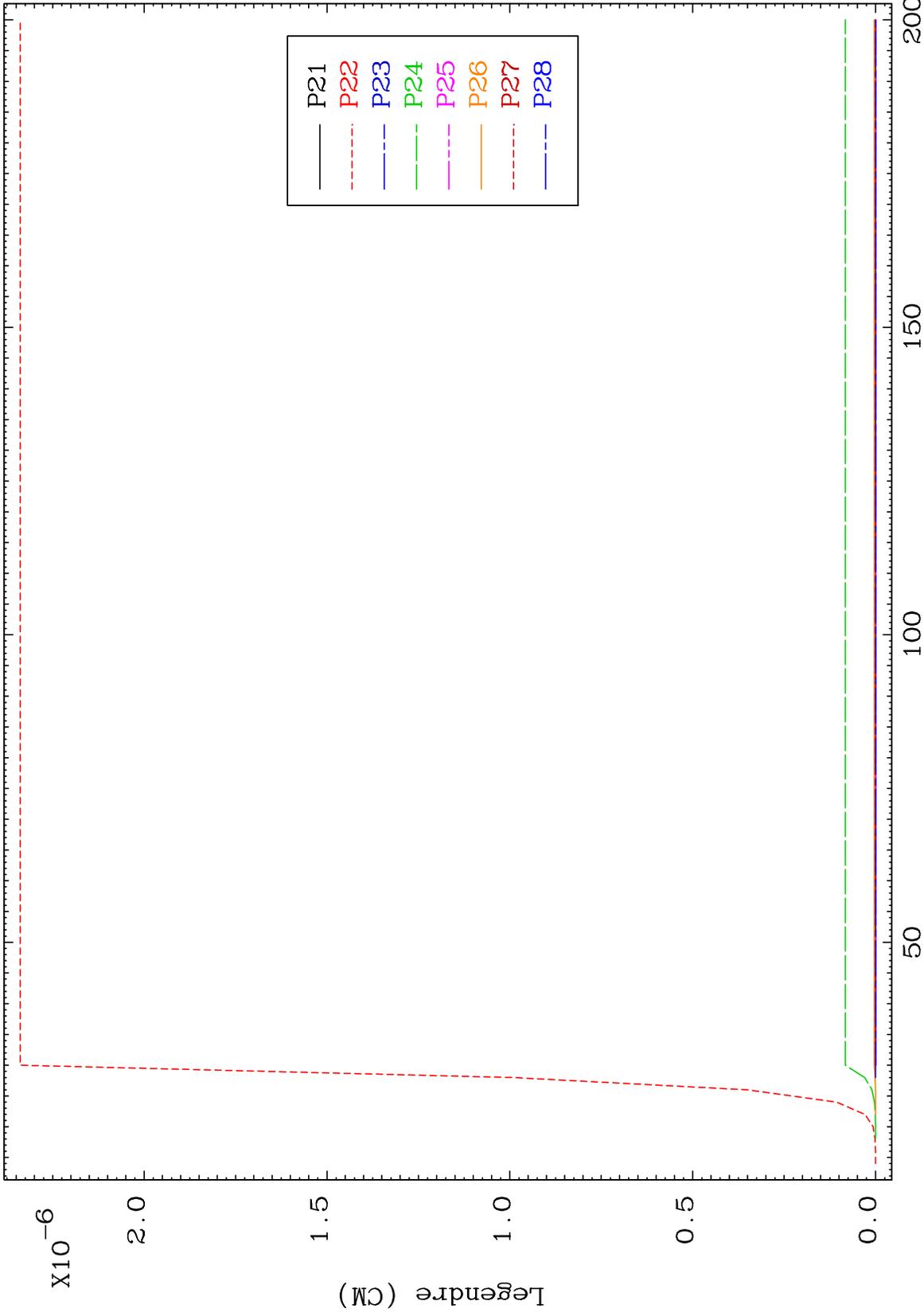
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MT= 59 (n,n') Level
Legendre Coefficients

83-Bi-202

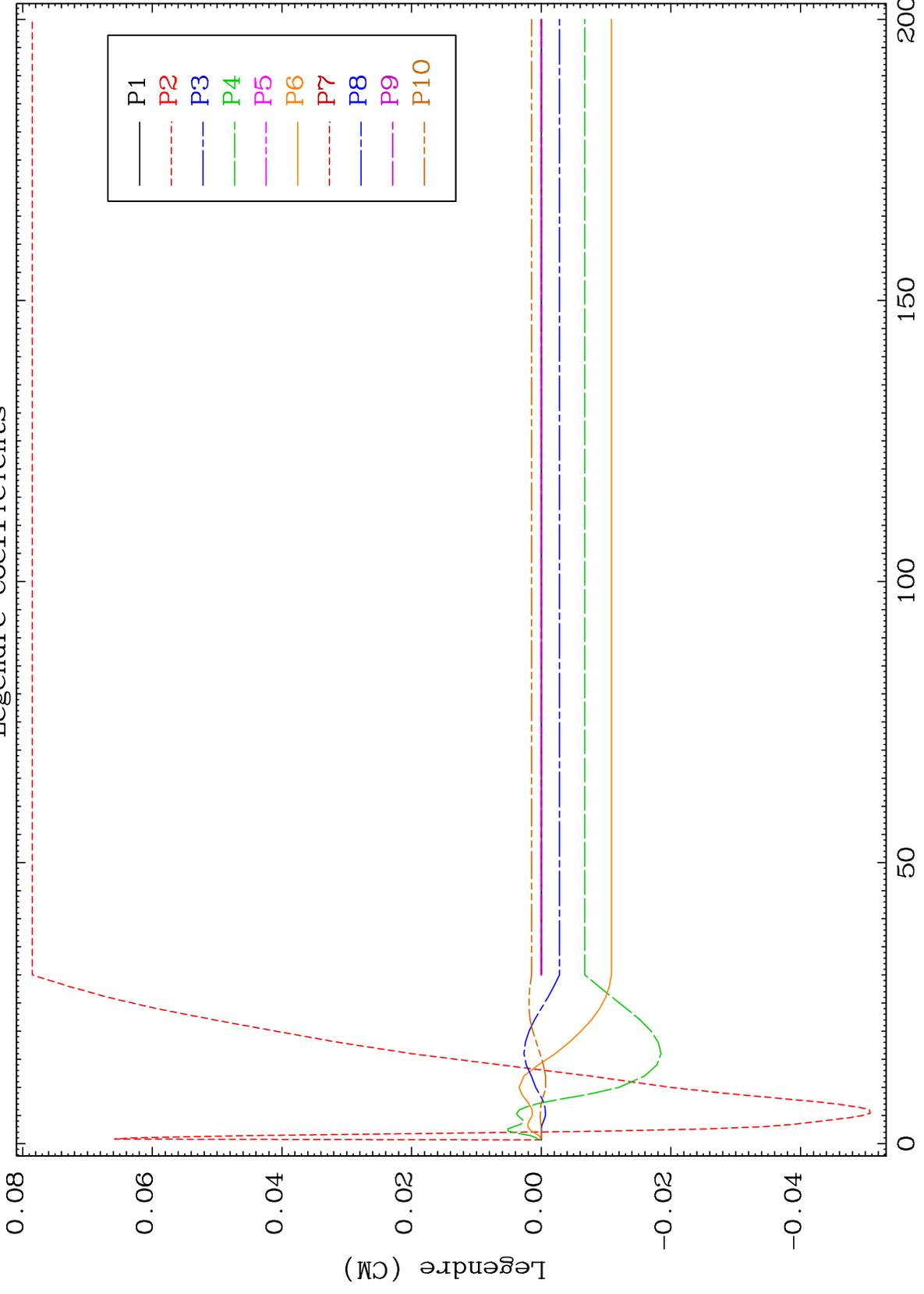


49

Incident Energy (MeV)

83-Bi-202

MAT 8304 MT= 60 (n,n') Level Legendre Coefficients 83-Bi-202

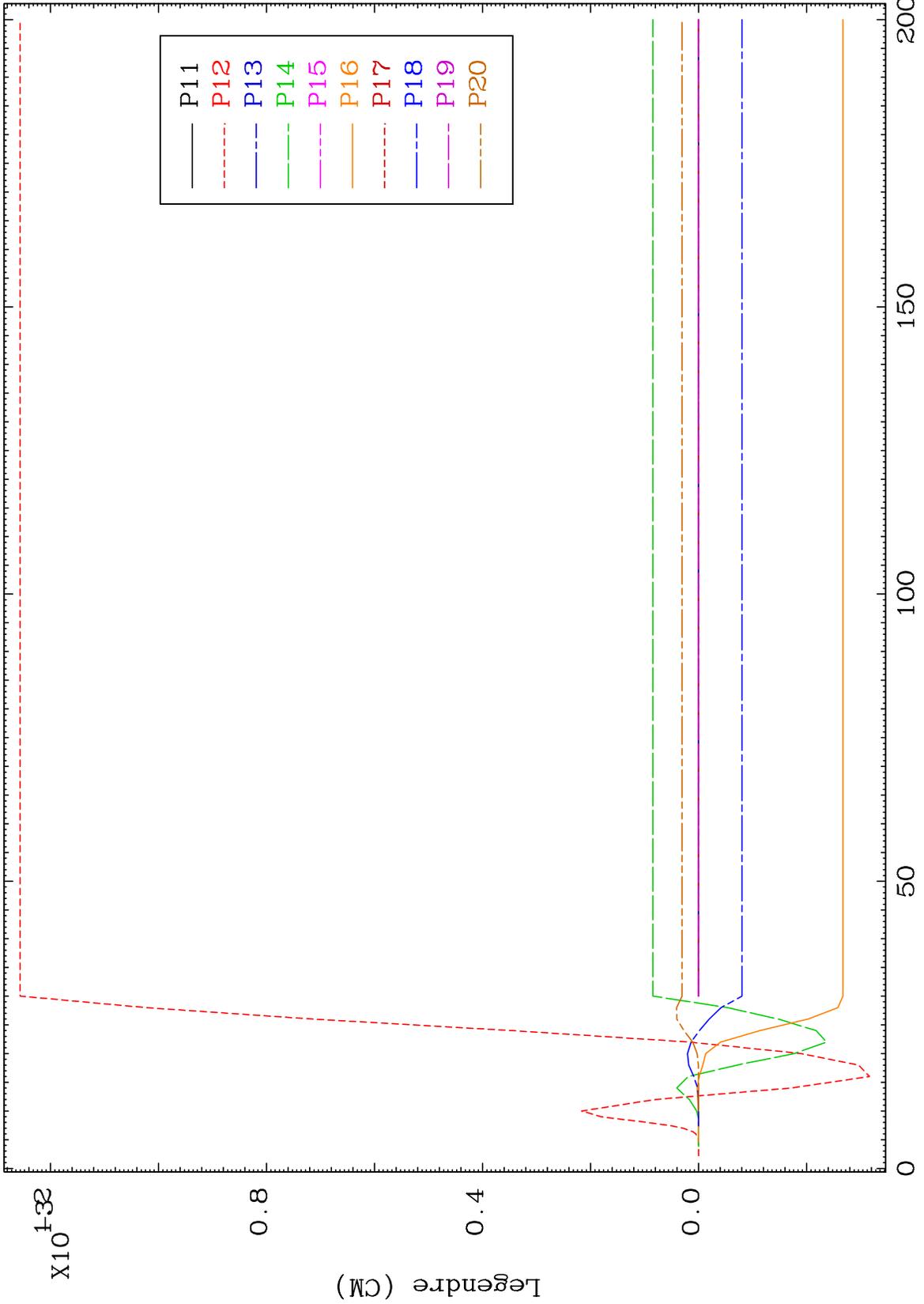


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MAT 8304

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

83-Bi-202



51

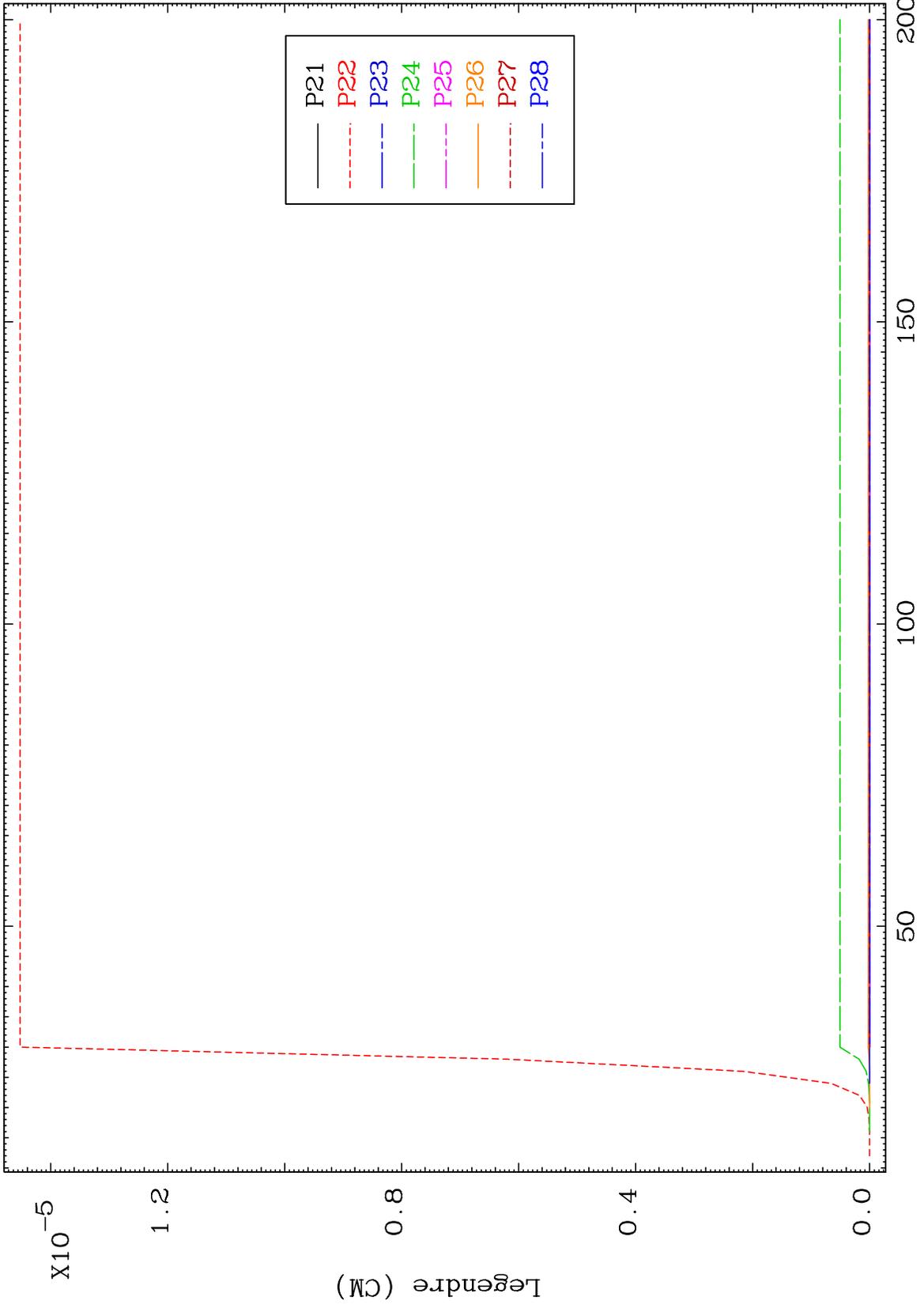
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



52

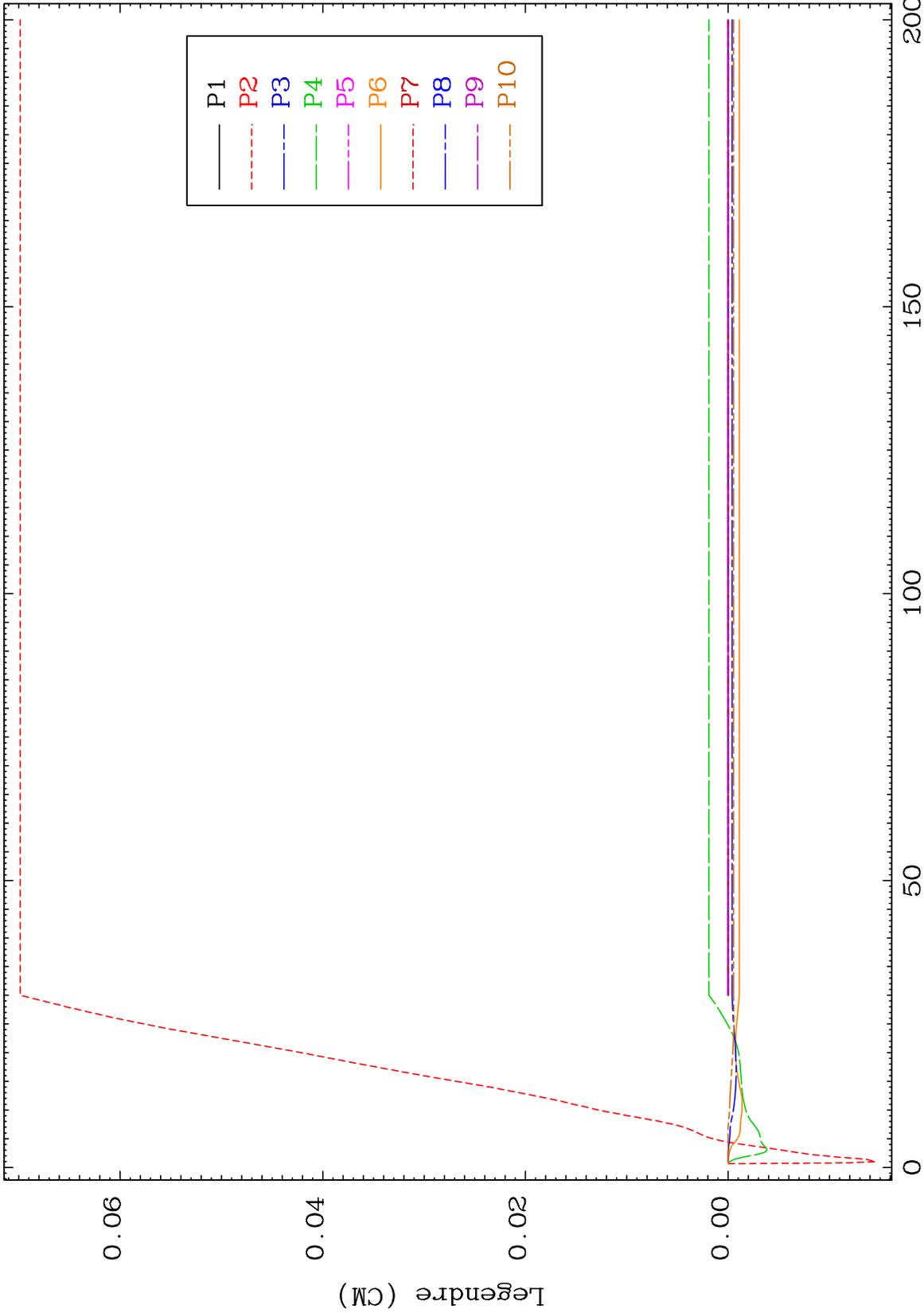
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



53

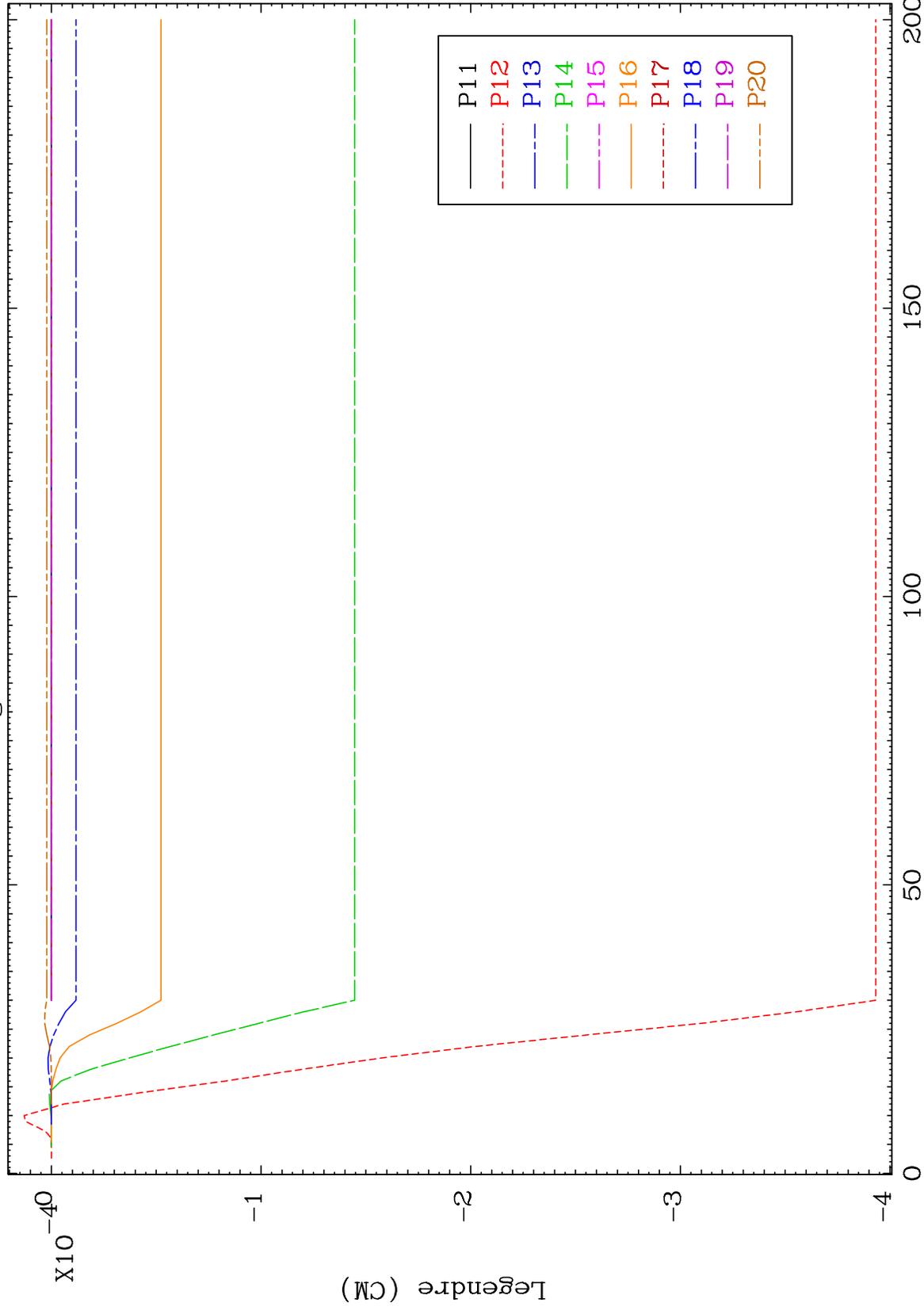
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MAT 8304

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

83-Bi-202



54

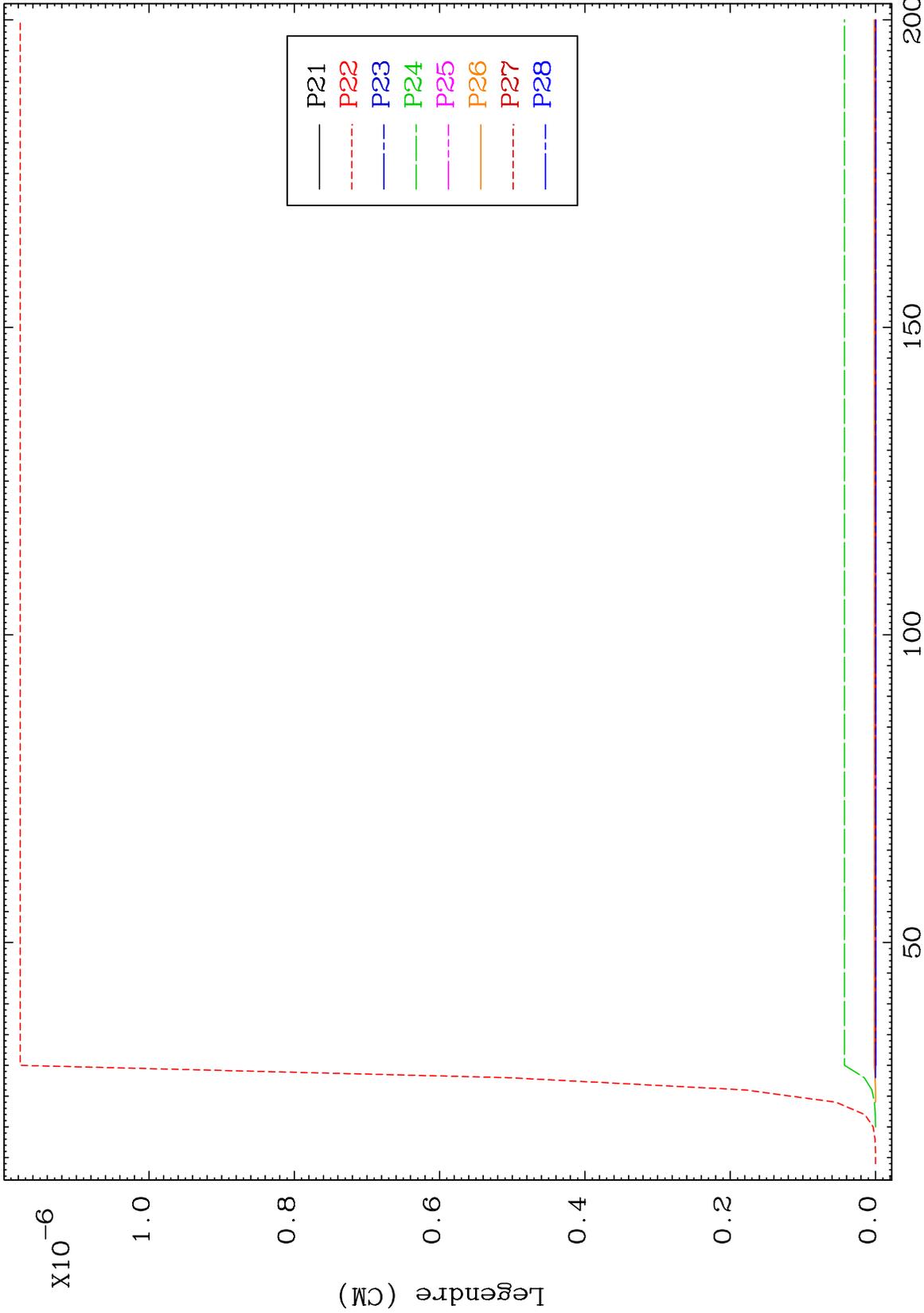
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MAT 8304

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

83-Bi-202



55

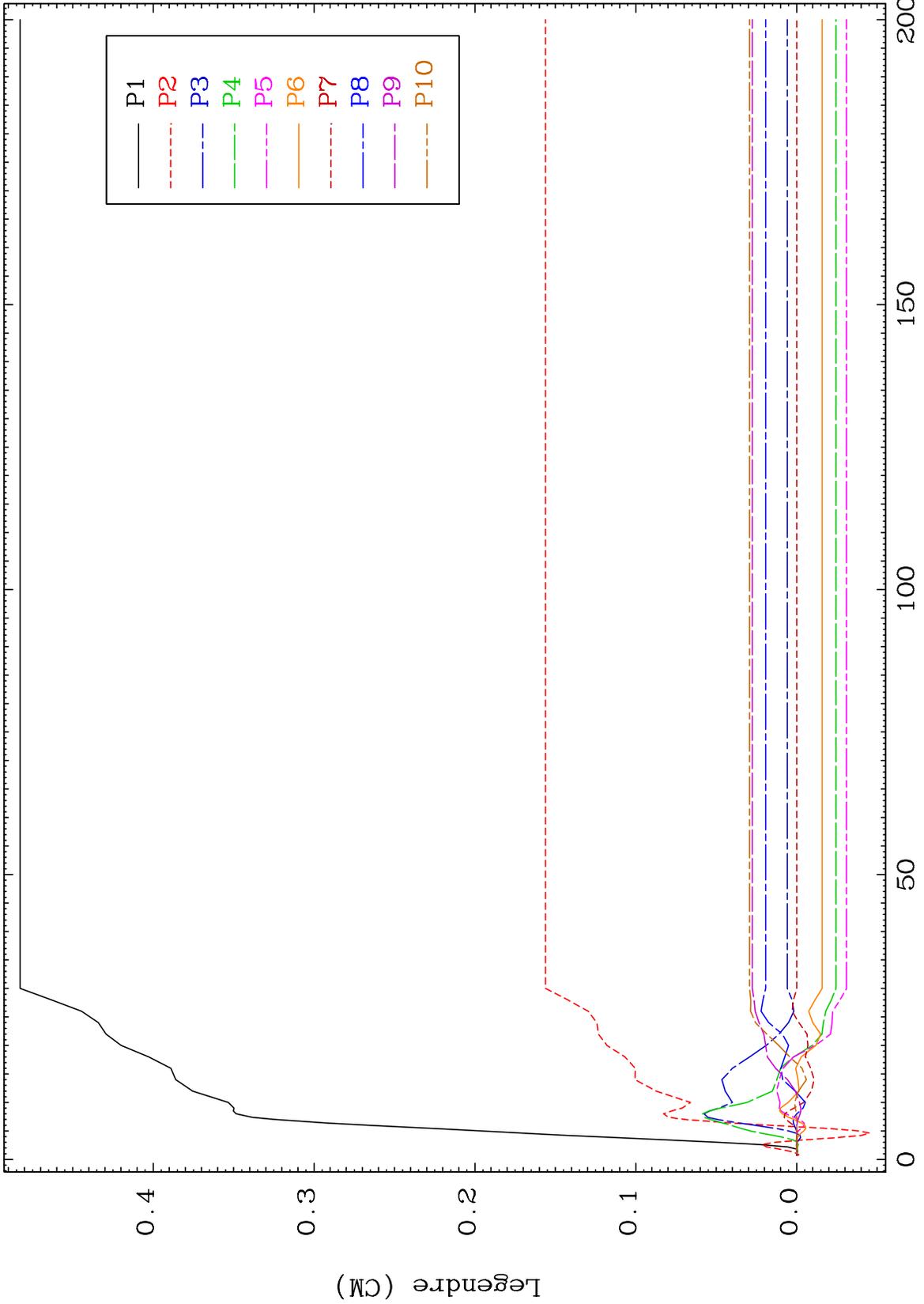
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



56

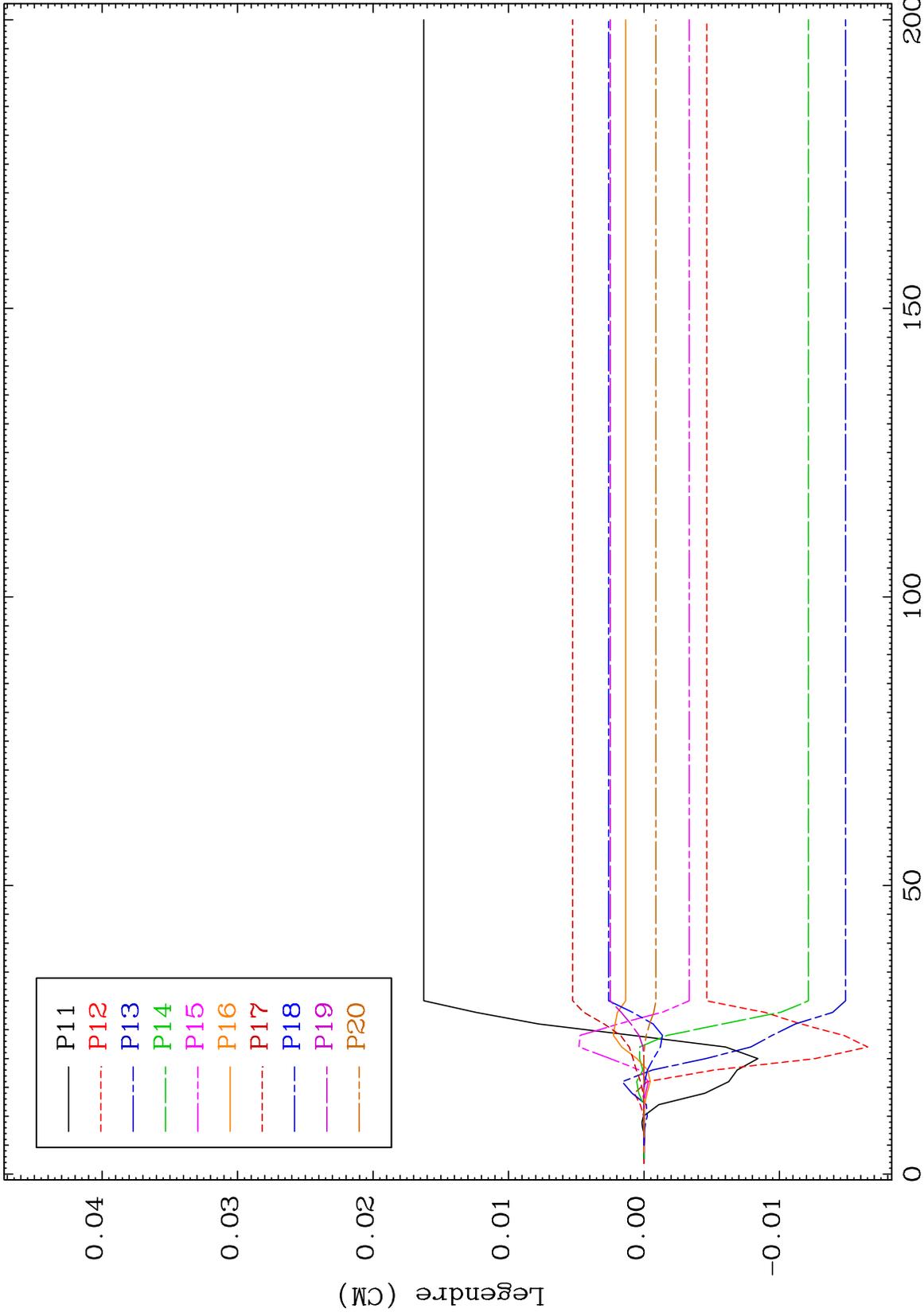
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



57

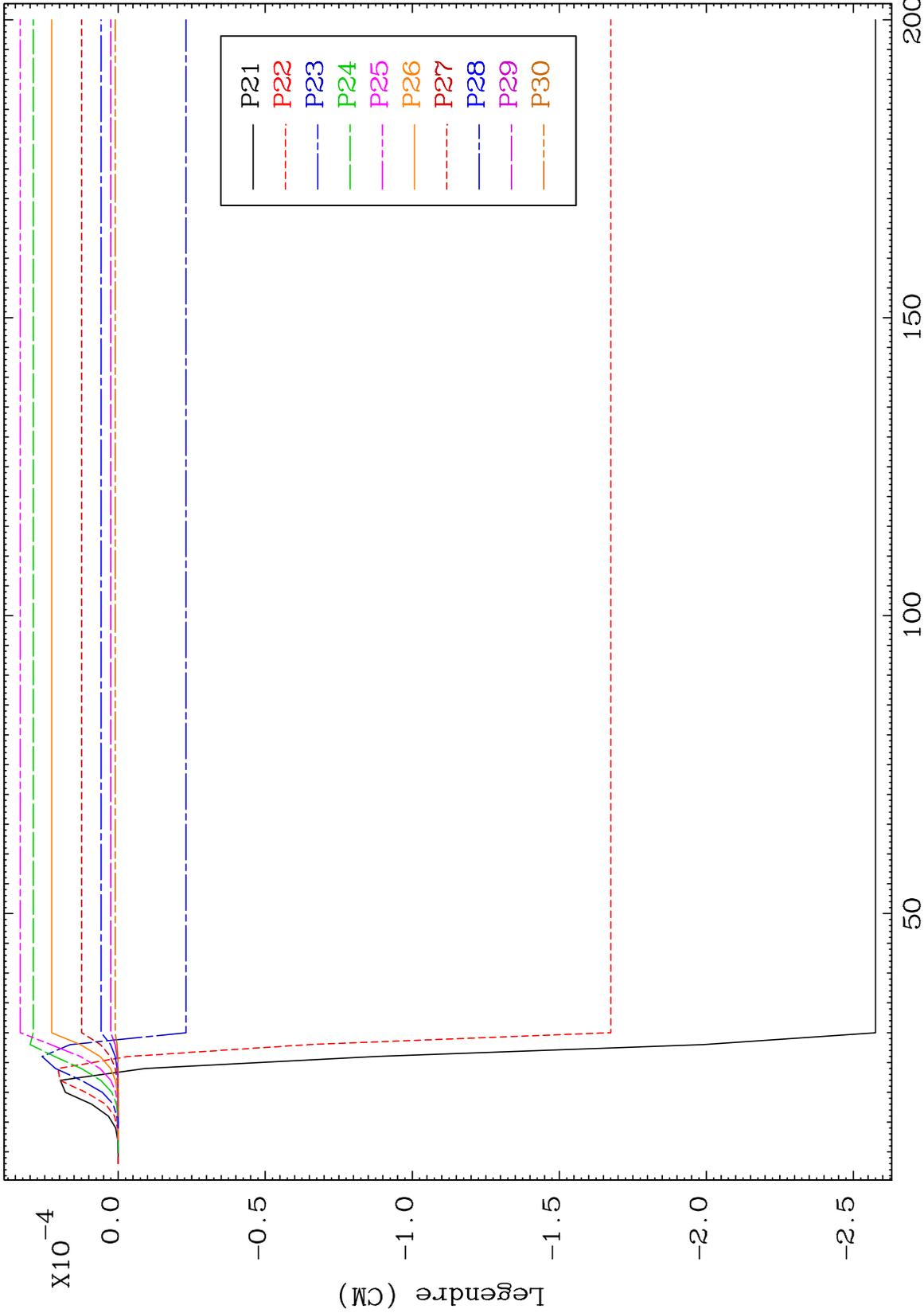
Incident Energy (MeV)

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MAT 8304

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

83-Bi-202



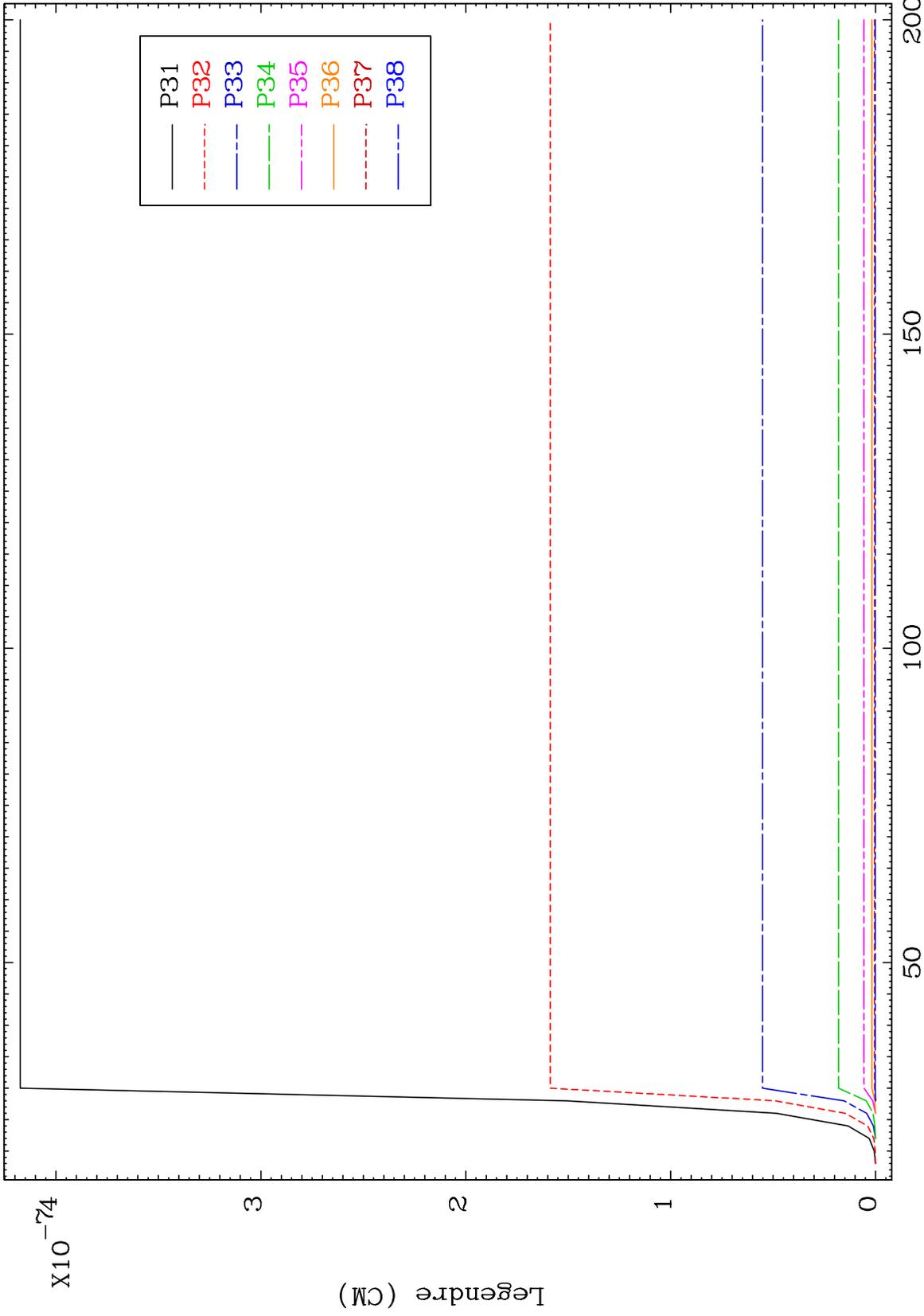
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83-Bi-202

MAT 8304

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

83-Bi-202



59

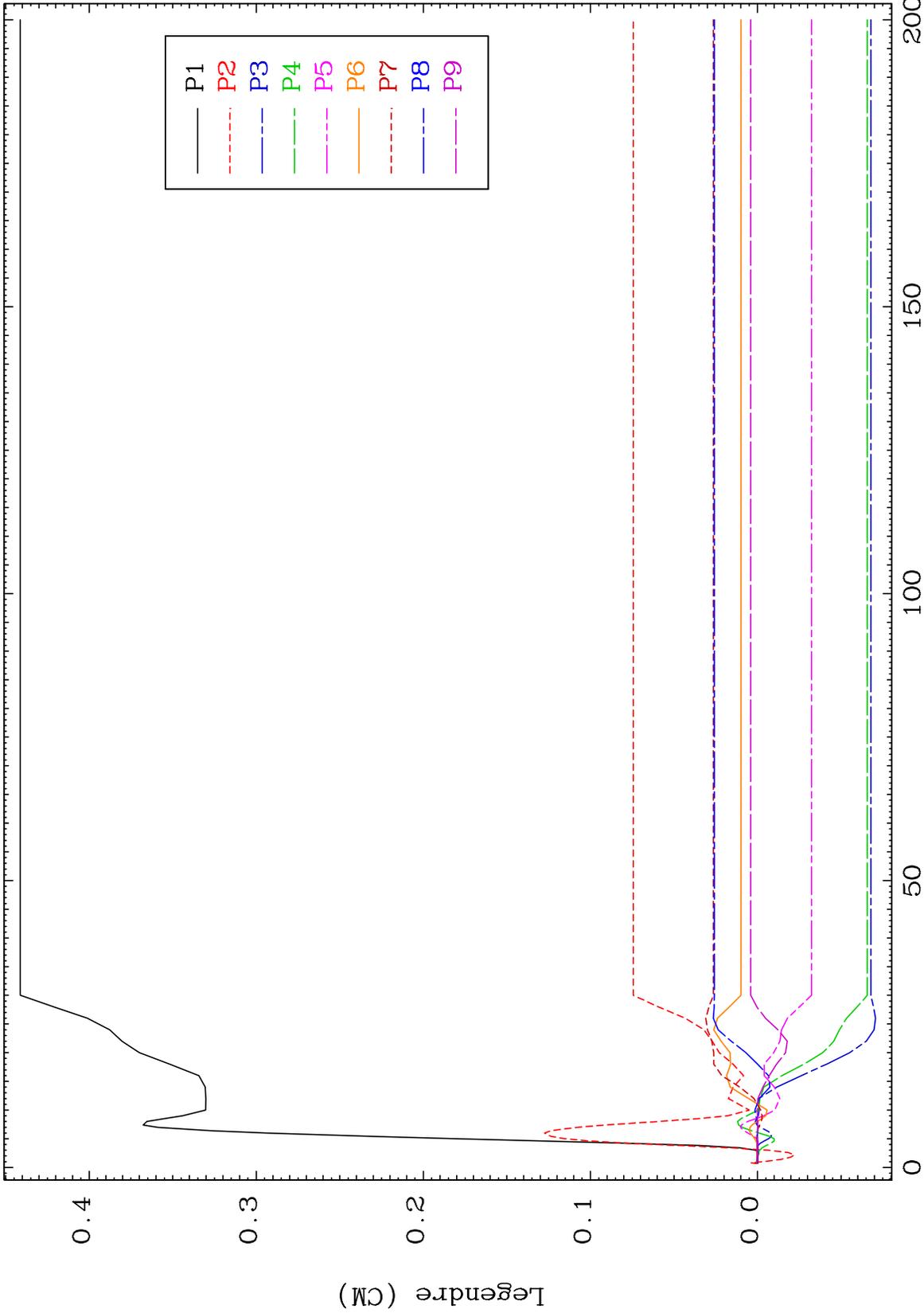
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



60

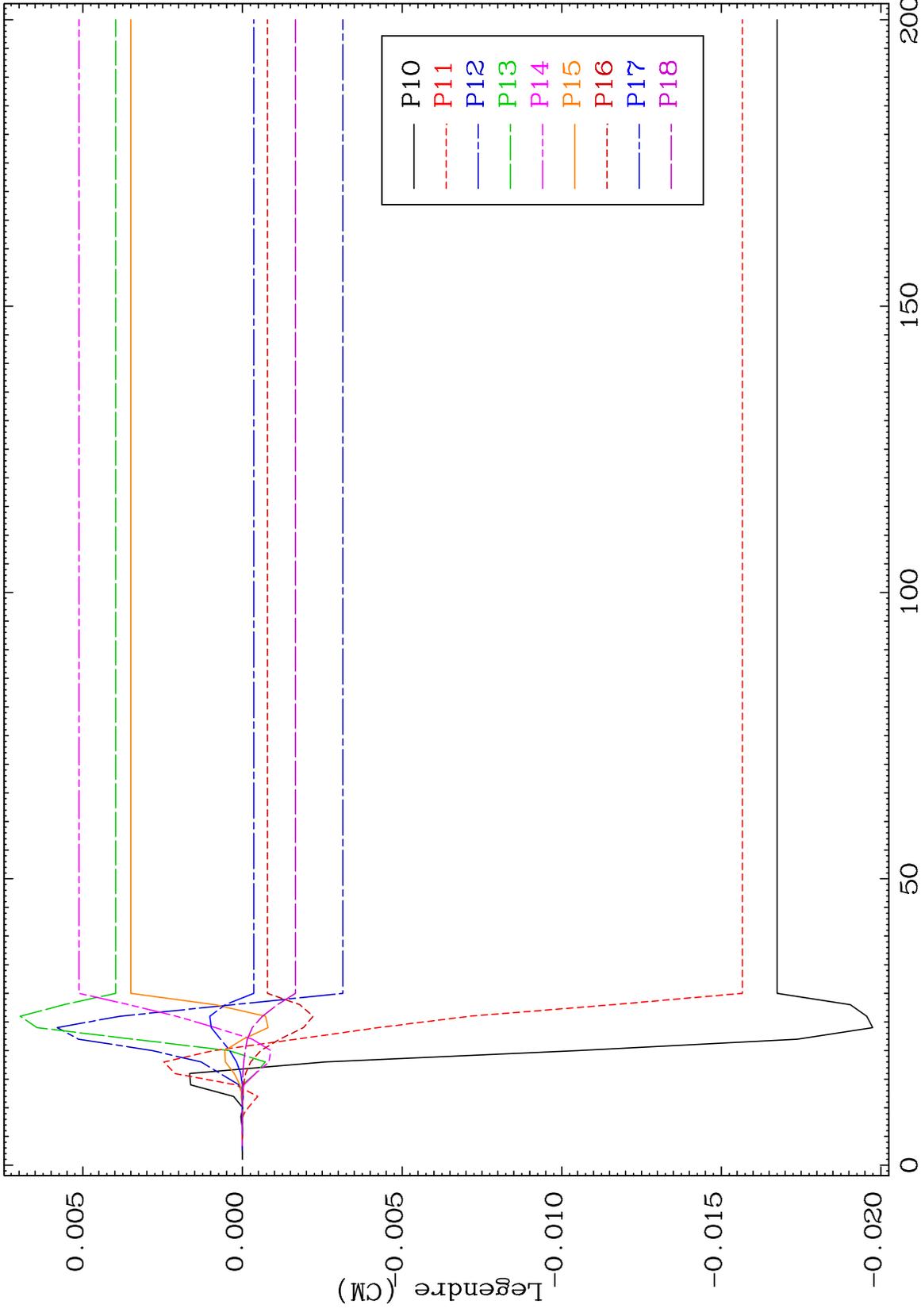
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



61

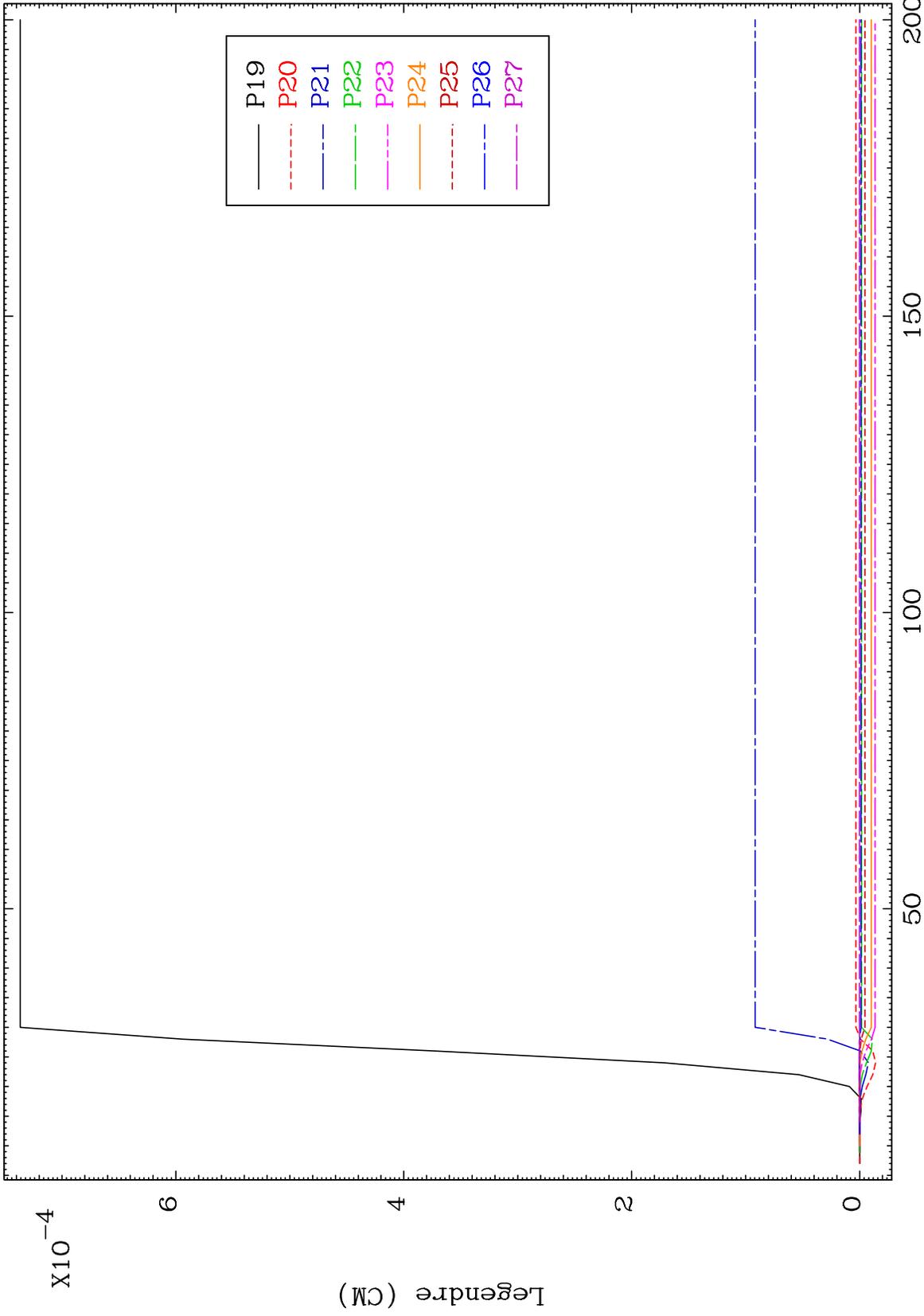
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



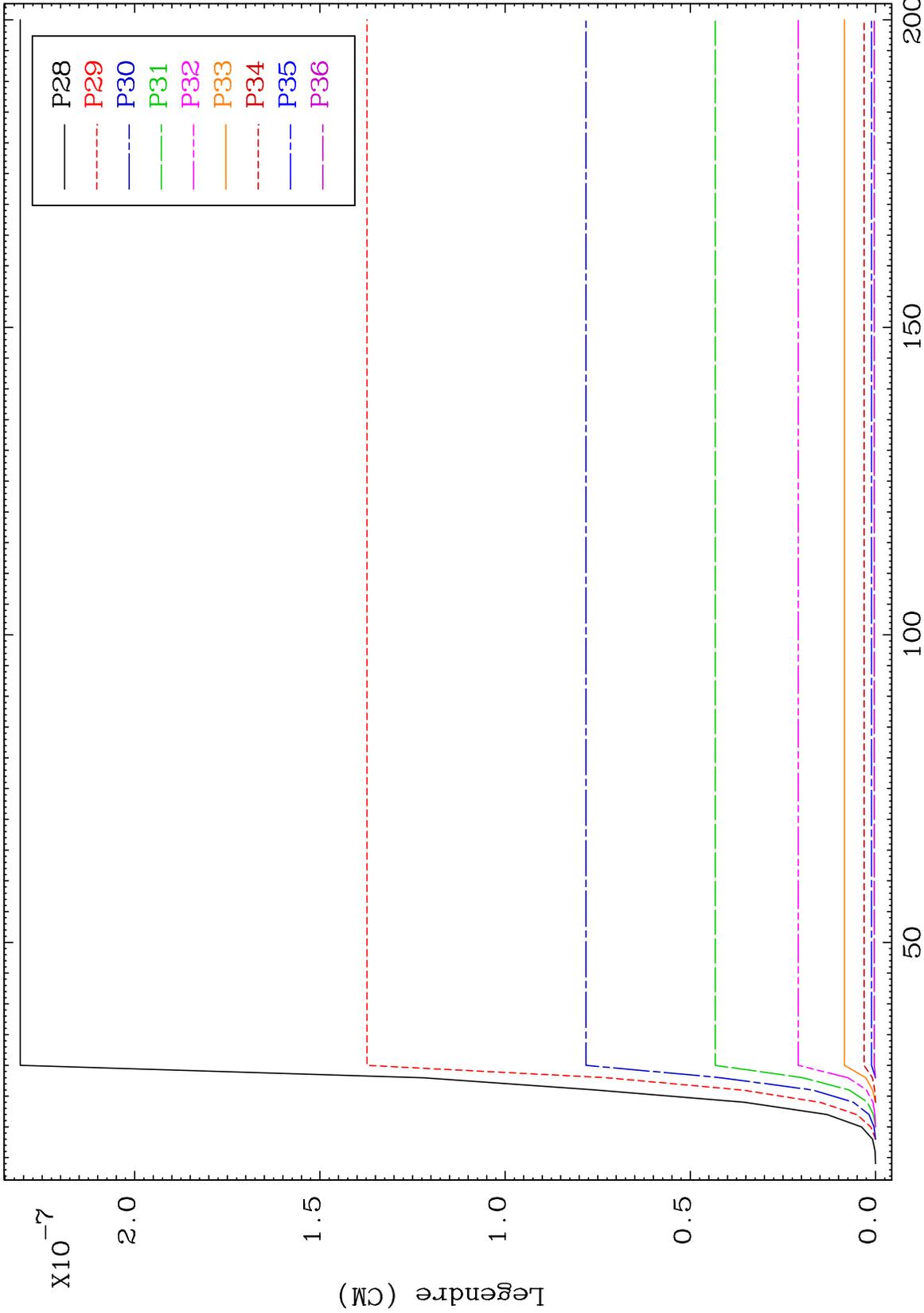
62

83-Bi-202

MAT 8304

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

83-Bi-202



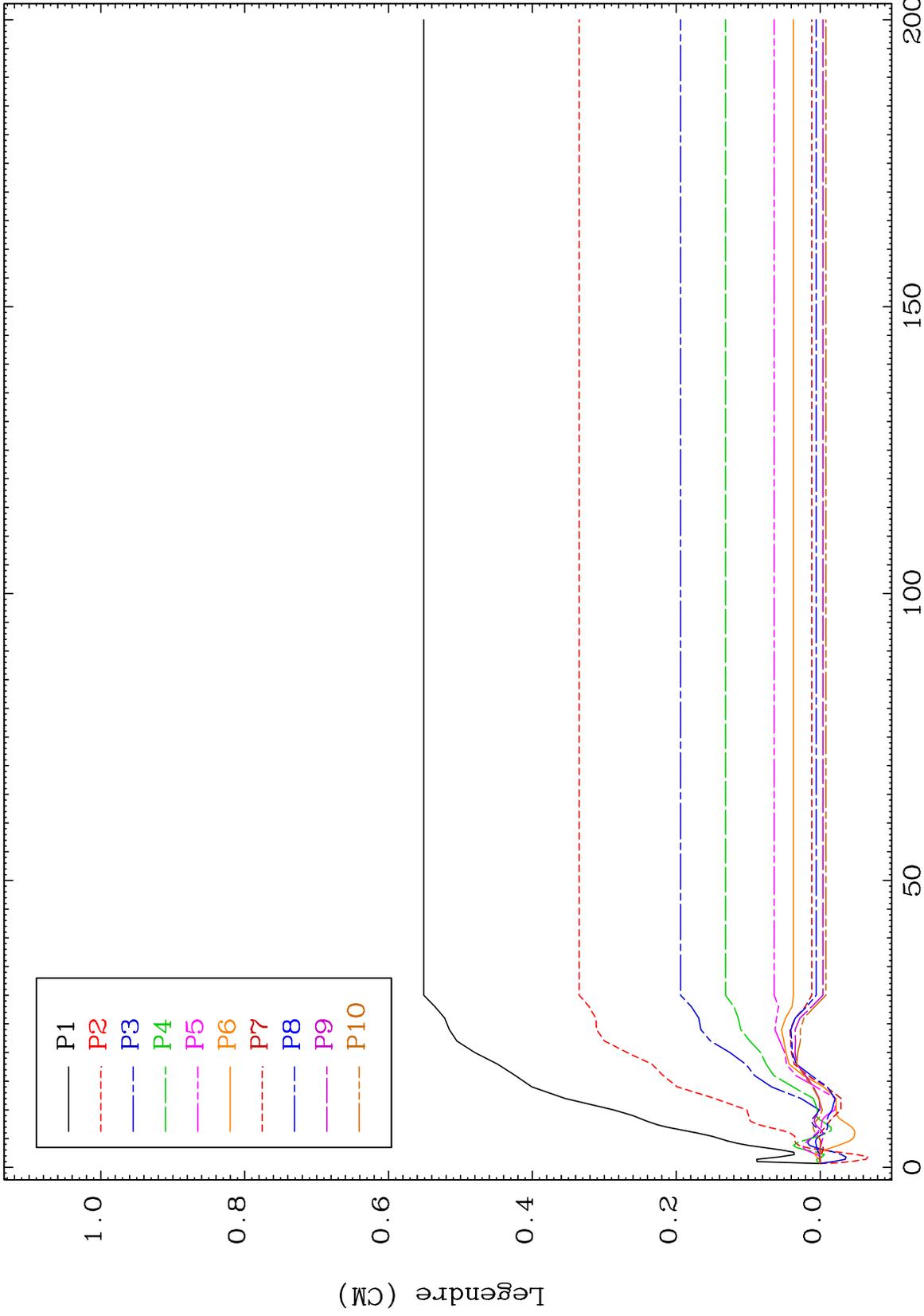
63

83-Bi-202

MAT 8304

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

83-Bi-202



64

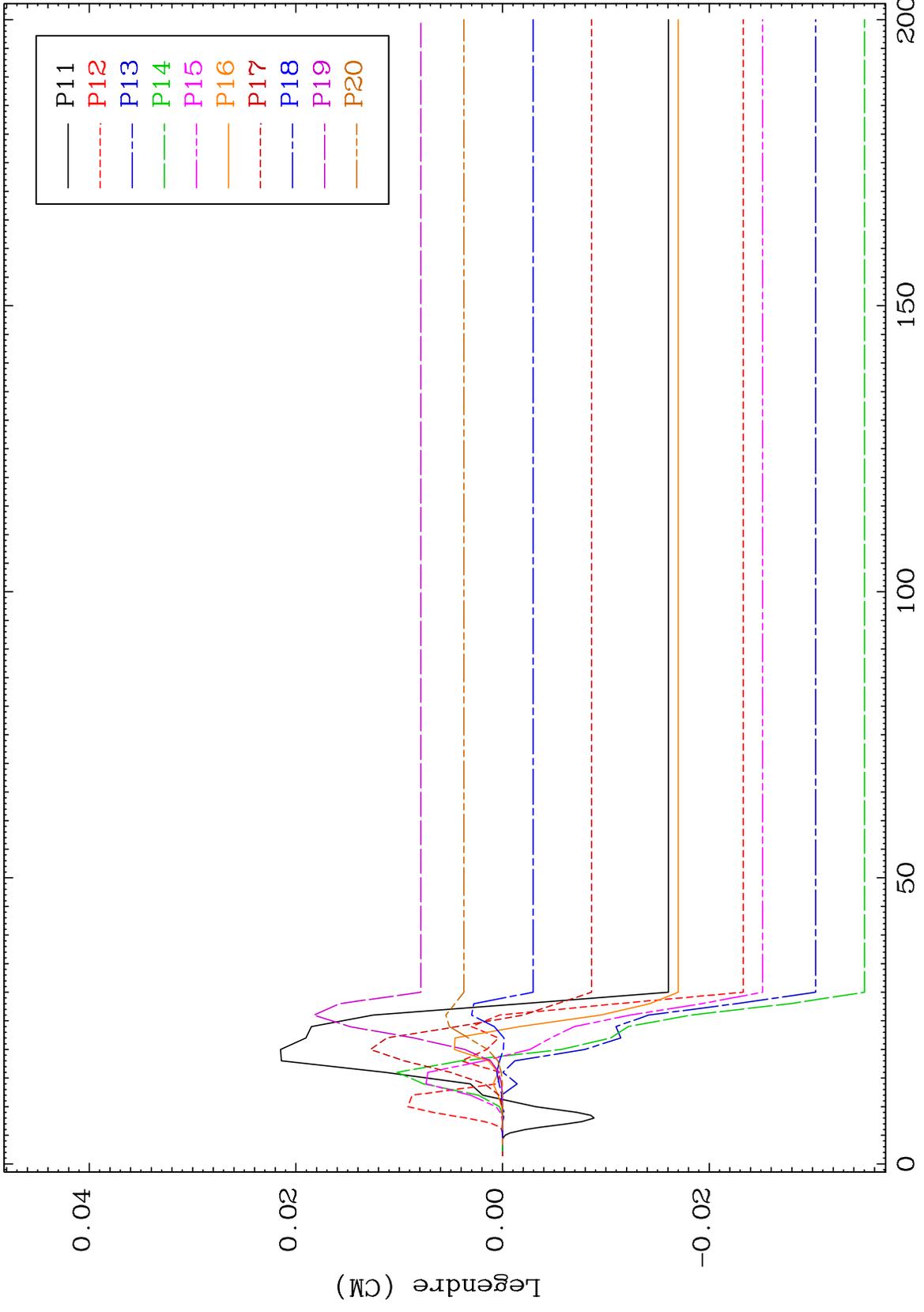
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



65

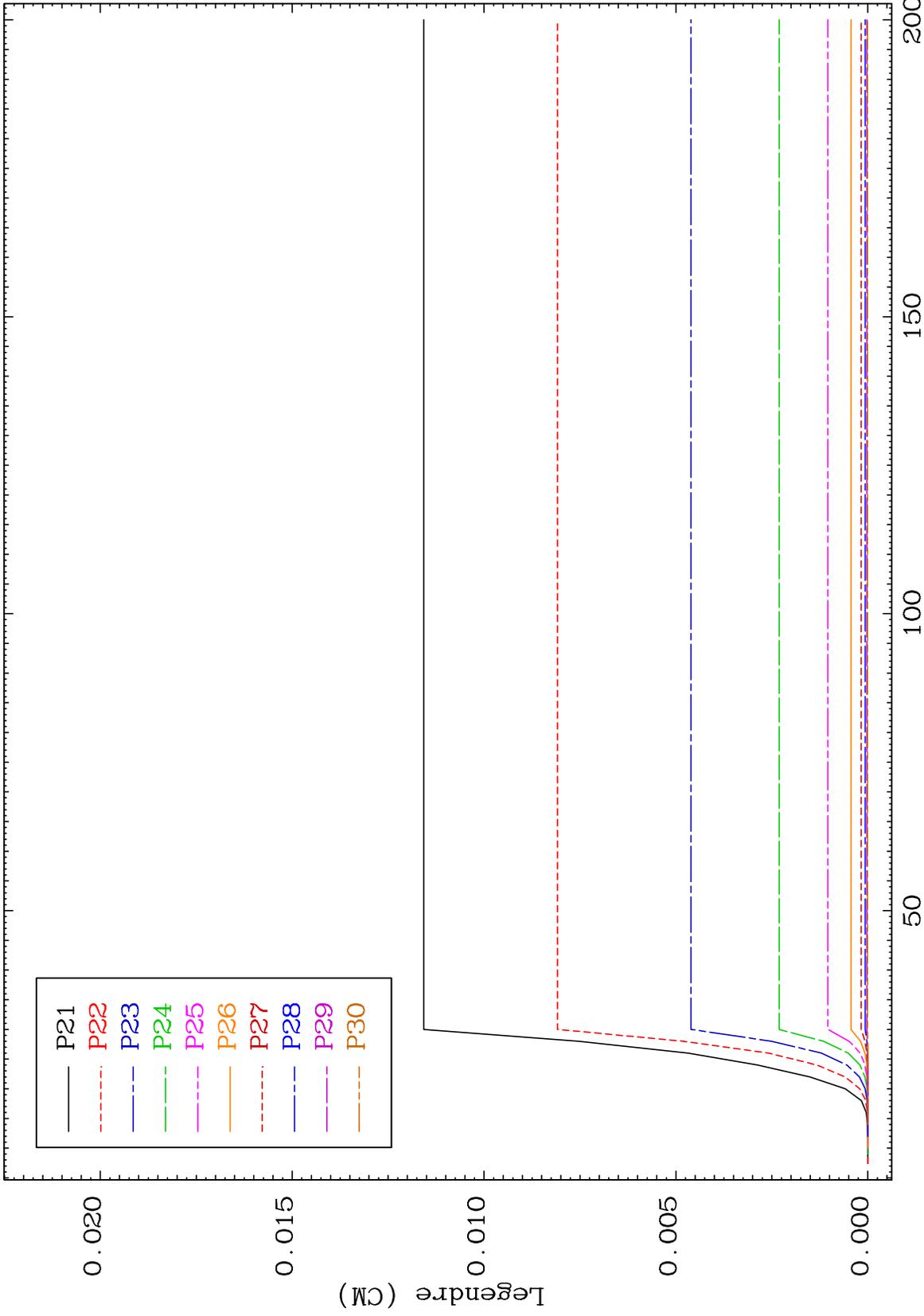
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83-Bi-202

MAT 8304

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

83-Bi-202



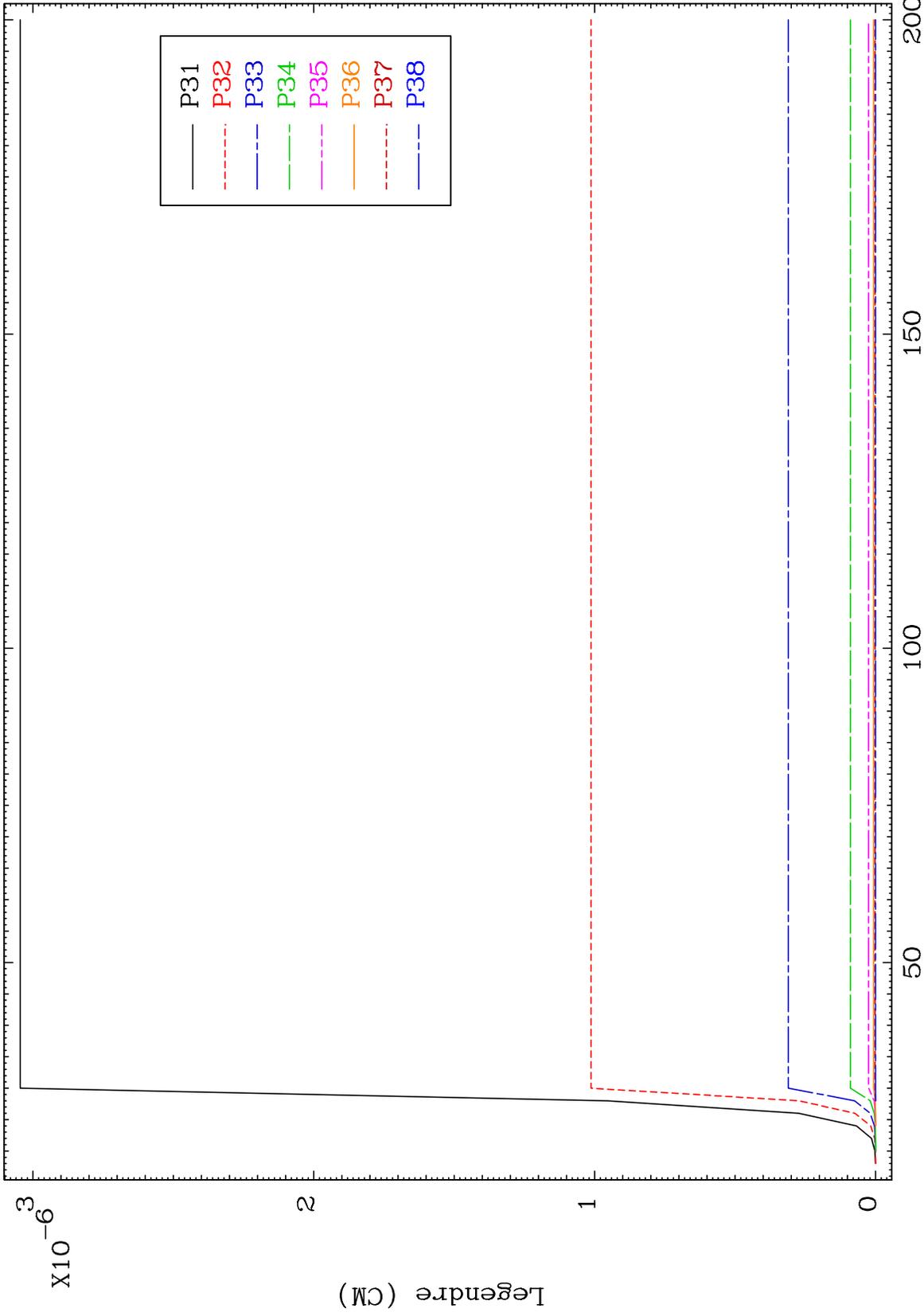
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83-Bi-202

MAT 8304

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

83-Bi-202



67

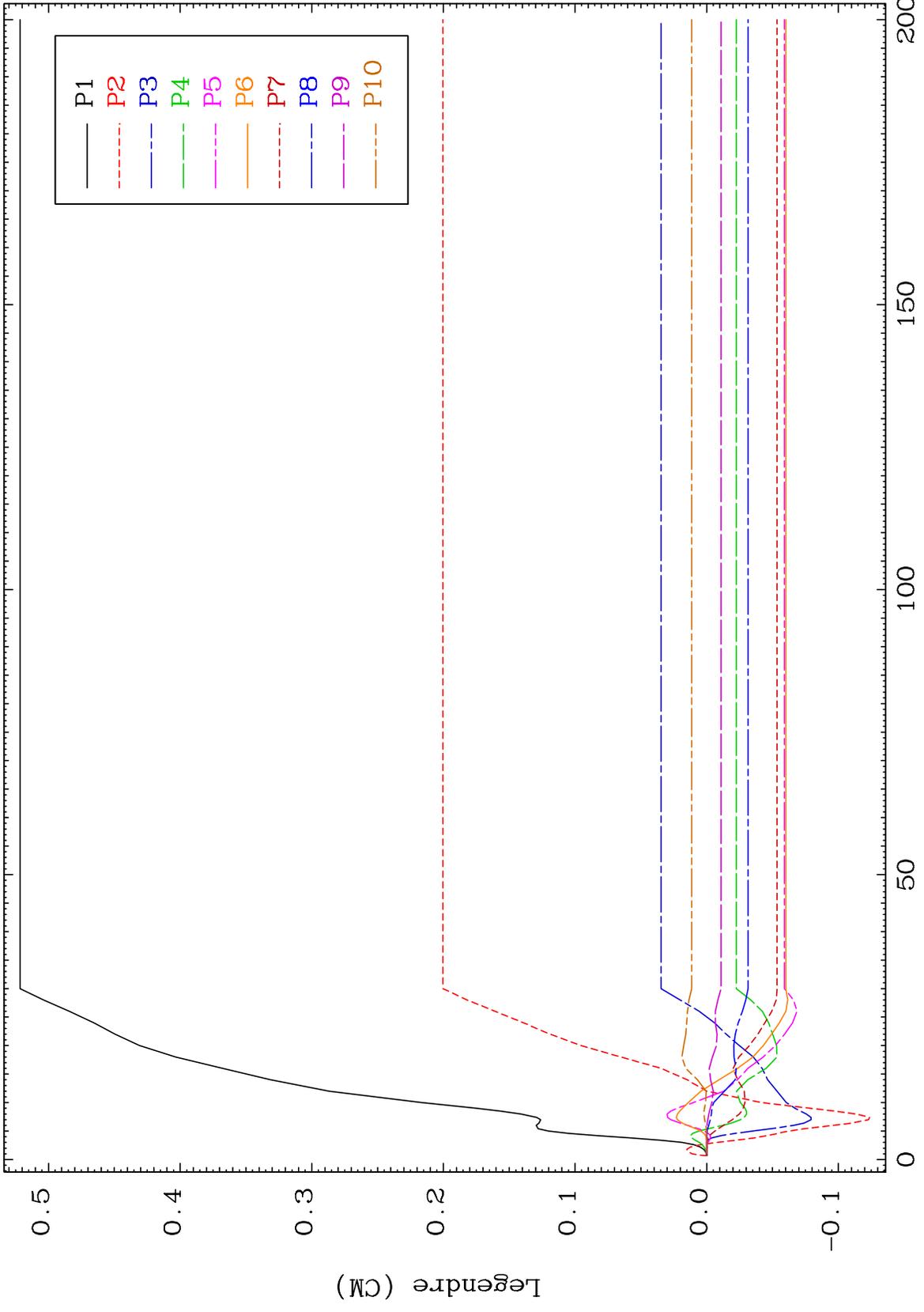
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



68

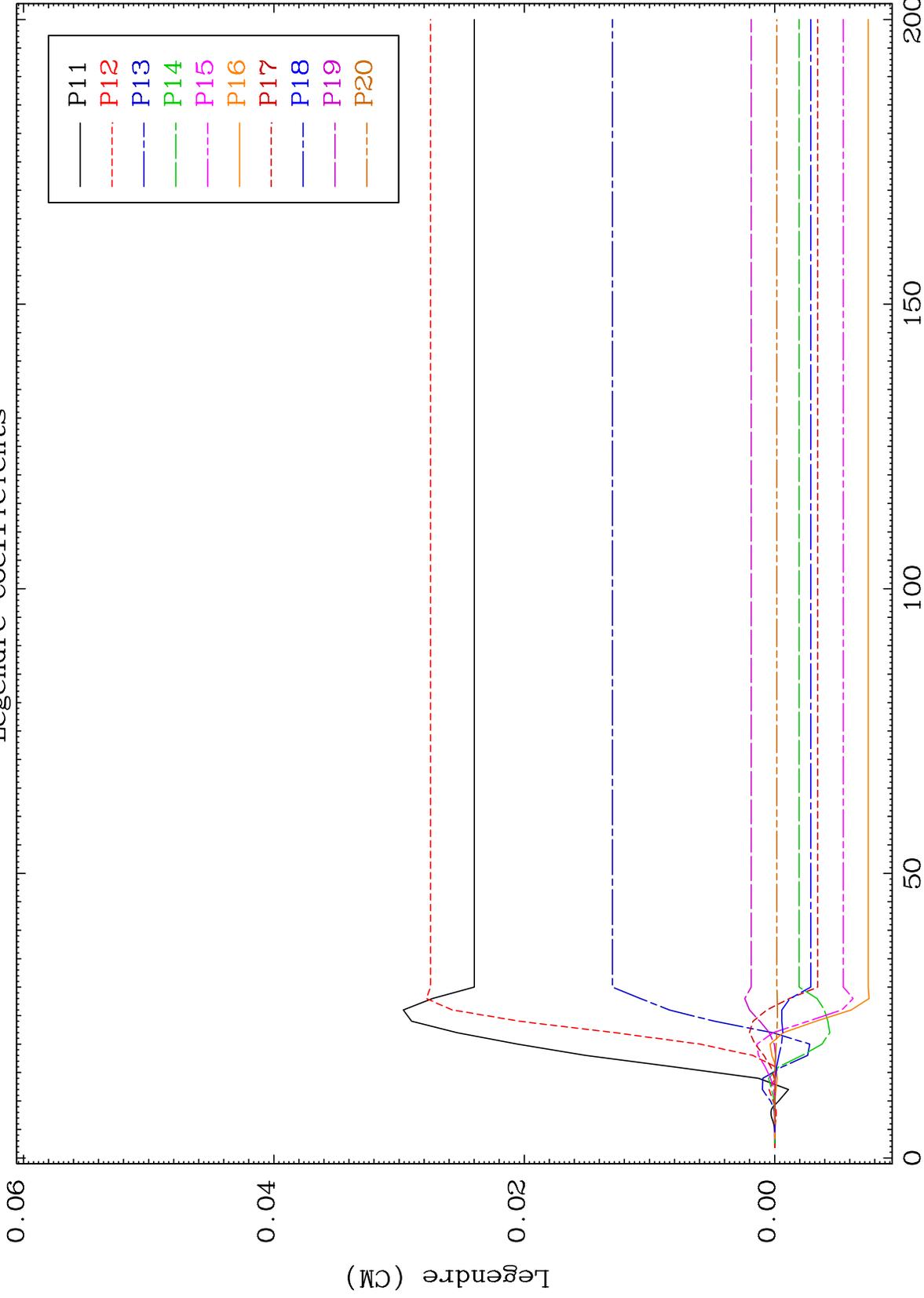
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83-Bi-202

MAT 8304

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

83-Bi-202



69

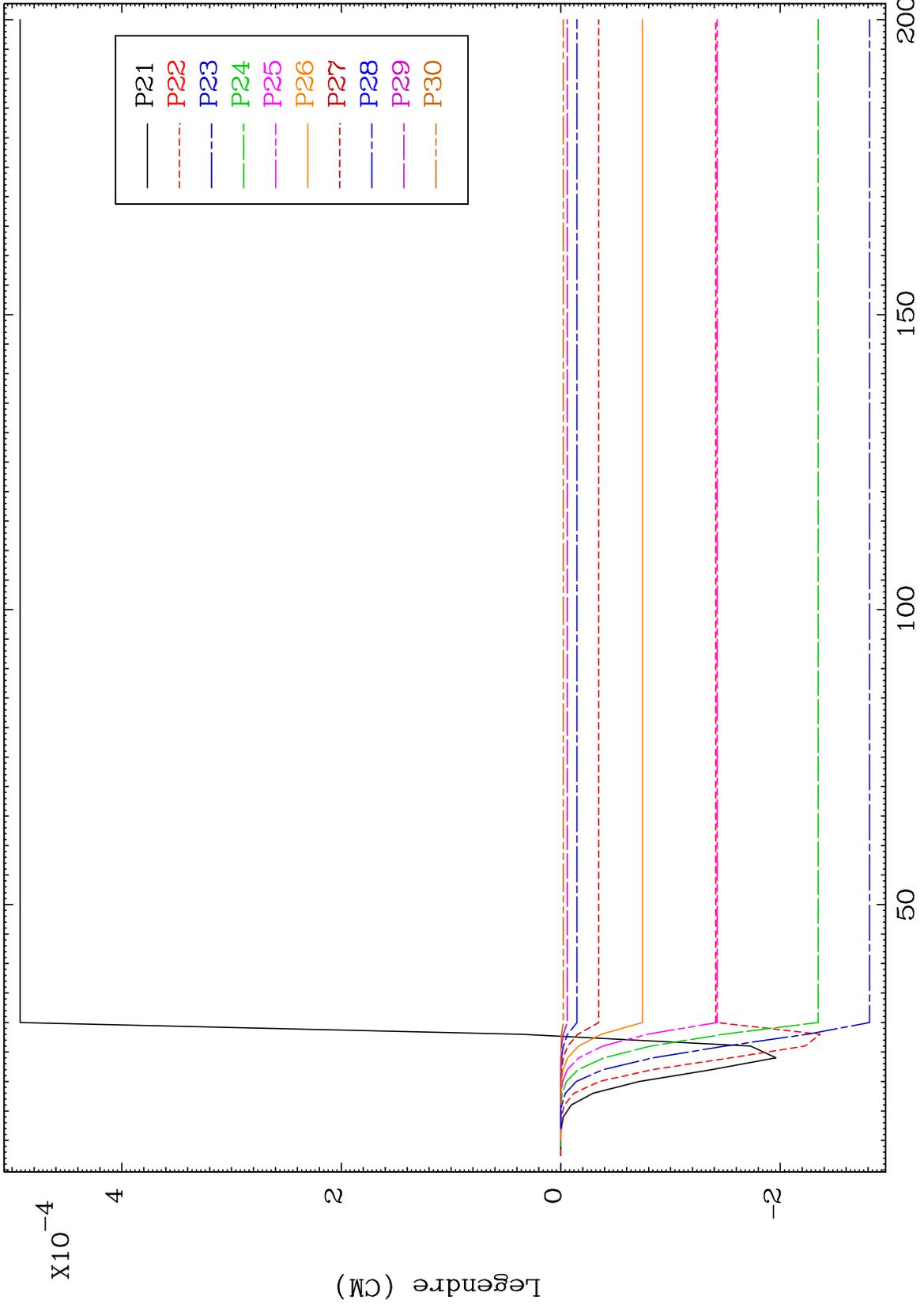
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83-Bi-202

MAT 8304

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

83-Bi-202



70

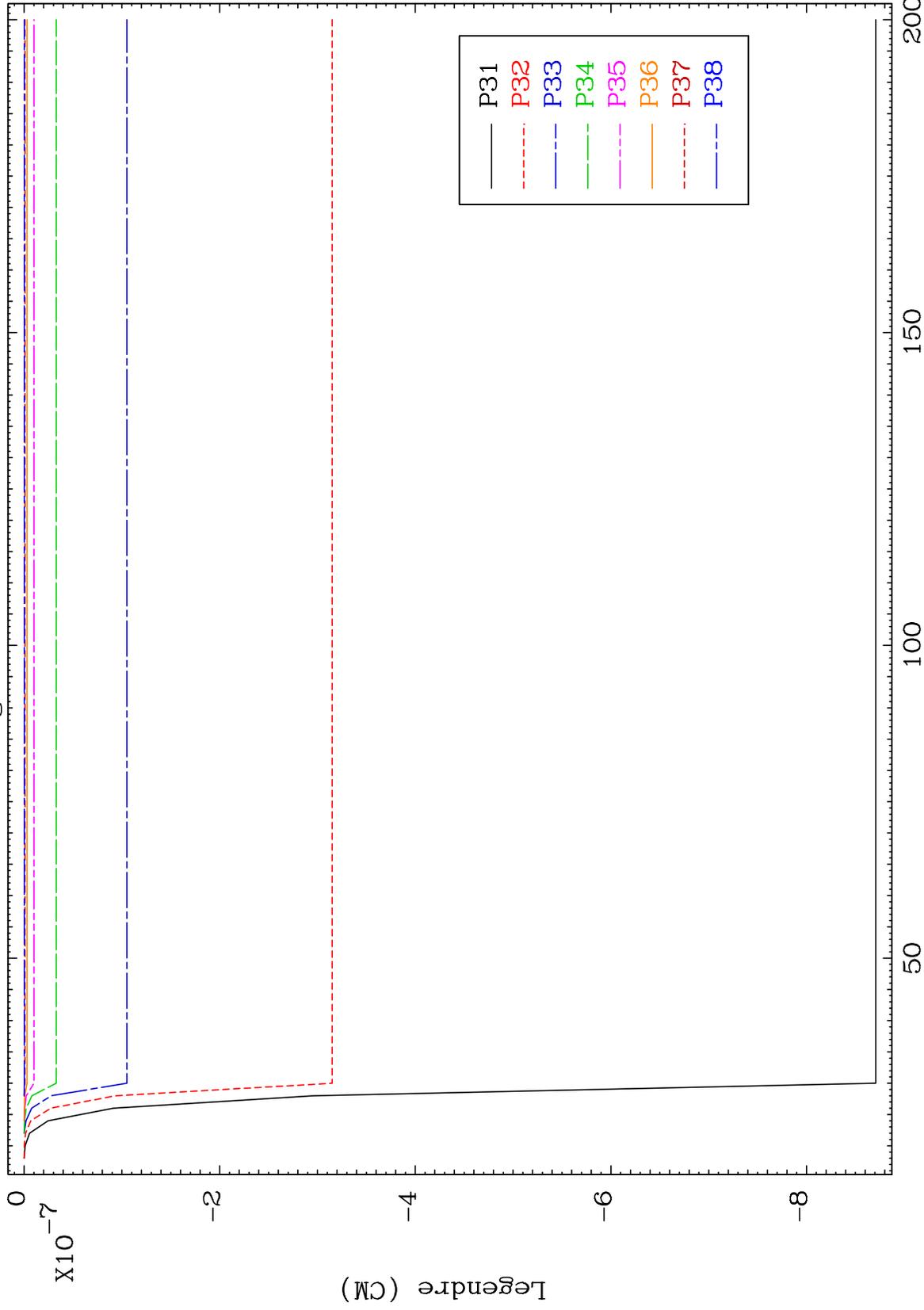
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83-Bi-202

MAT 8304

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

83-Bi-202



83-Bi-202

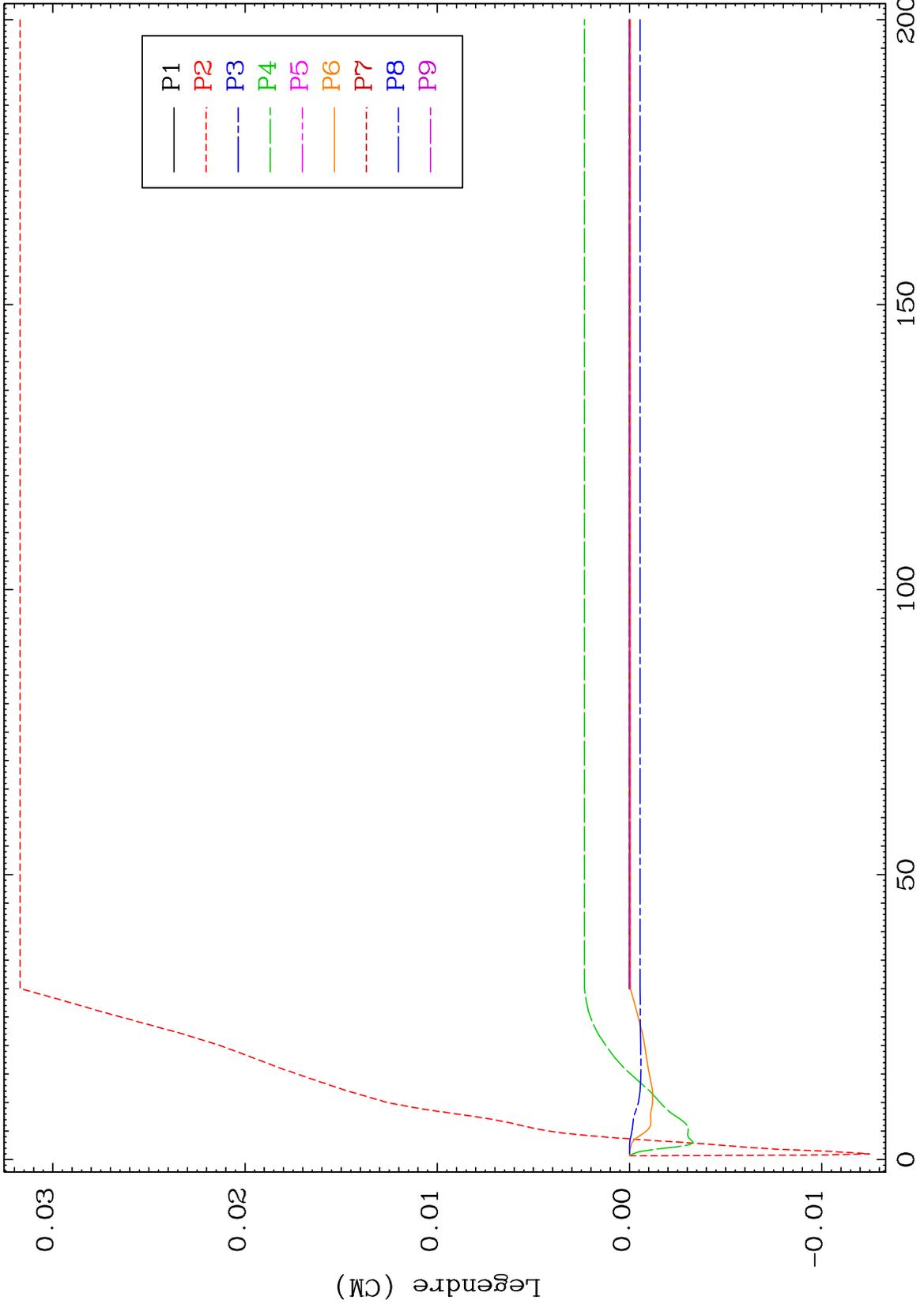
Incident Energy (MeV)

71

MAT 8304

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

83-Bi-202



72

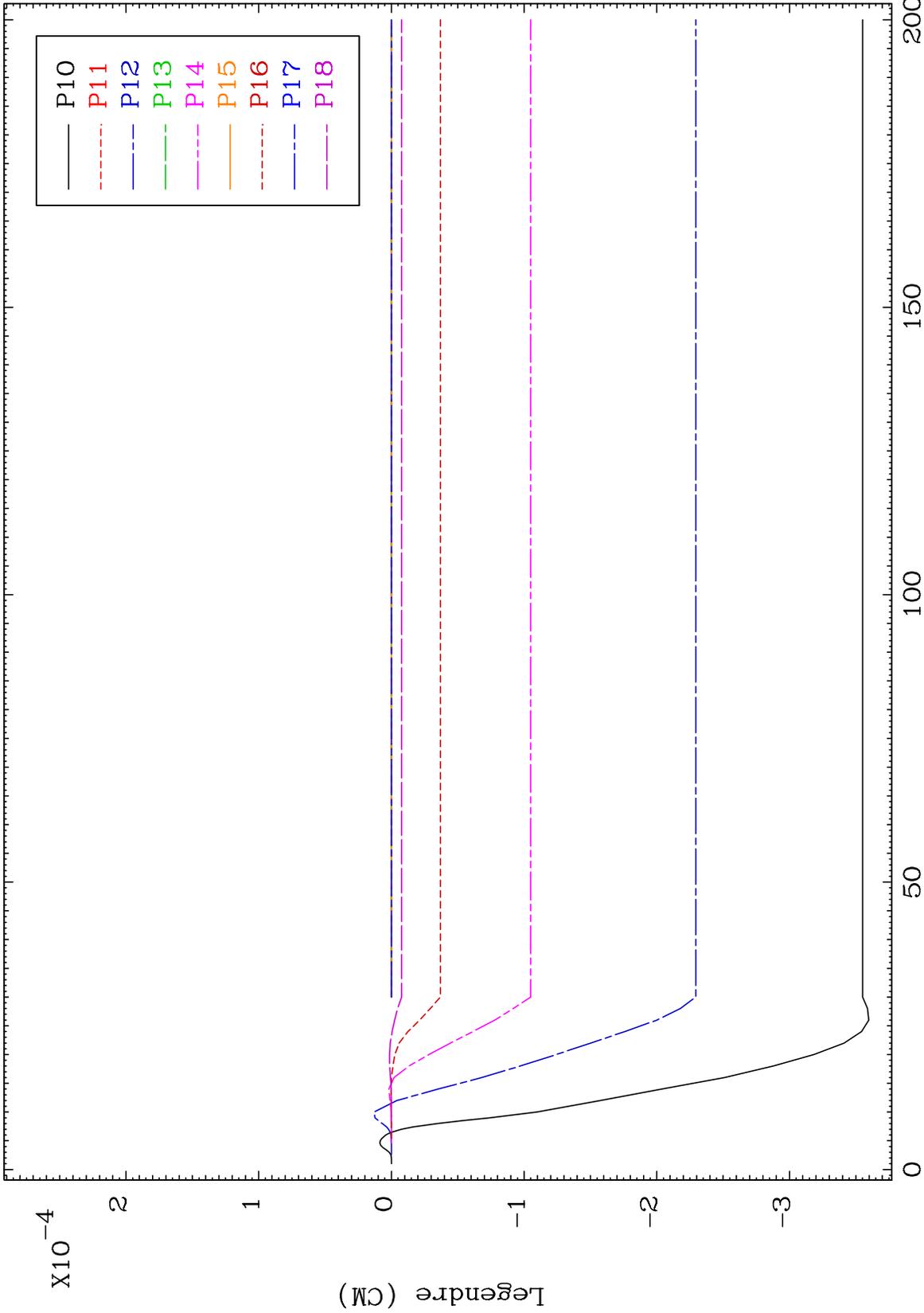
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83-Bi-202

MAT 8304

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

83-Bi-202



73

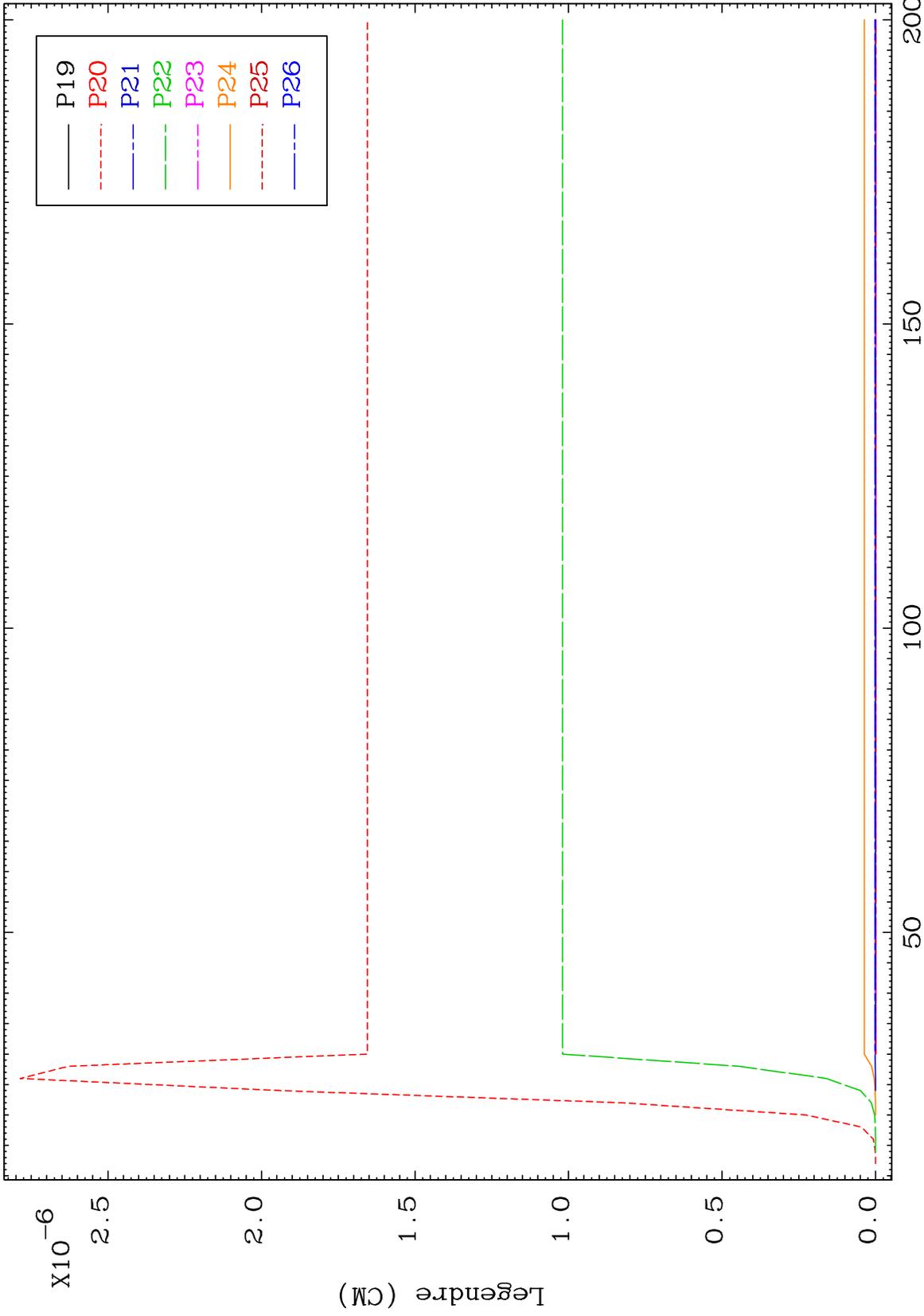
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83-Bi-202

MAT 8304

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

83-Bi-202



74

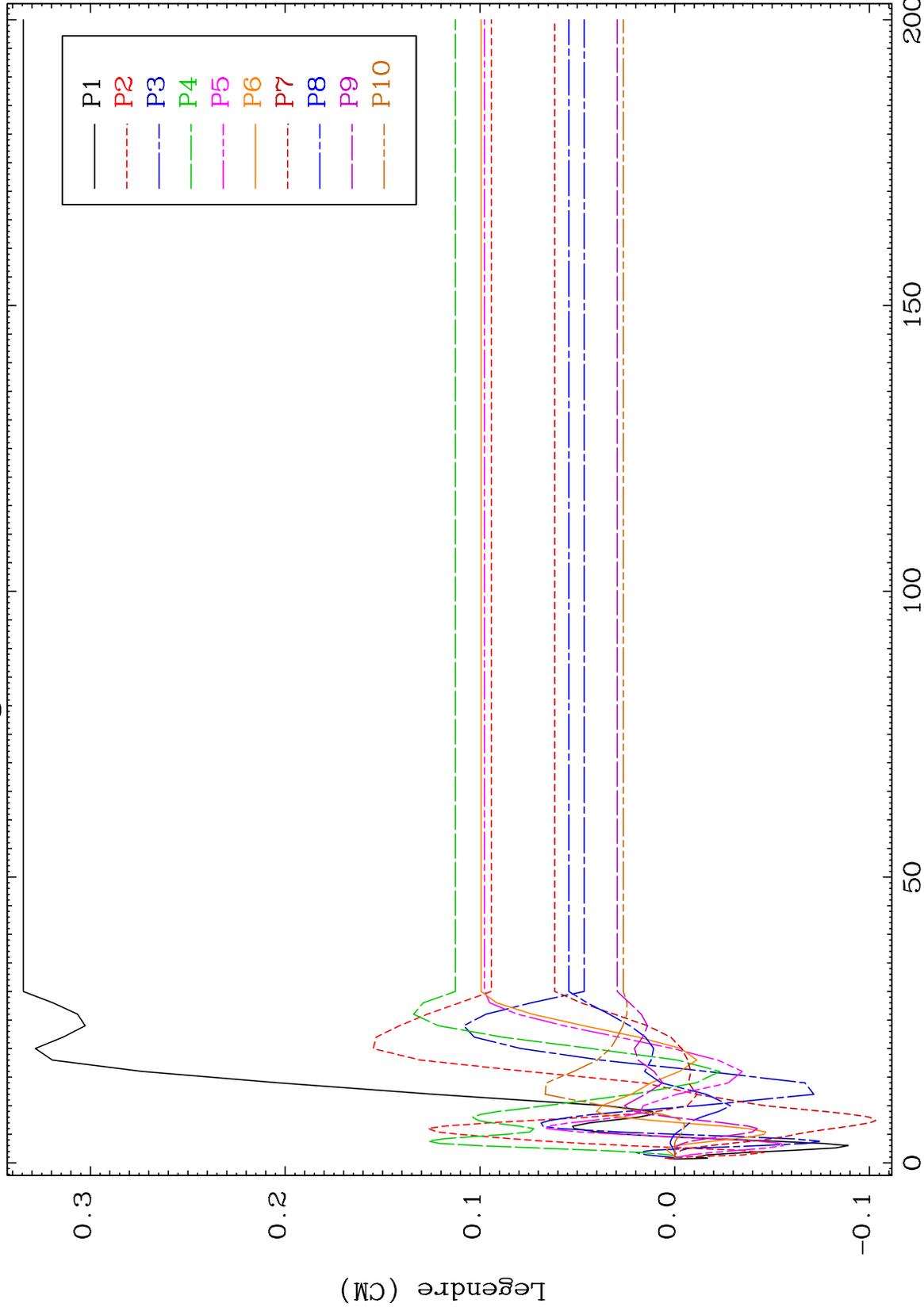
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202

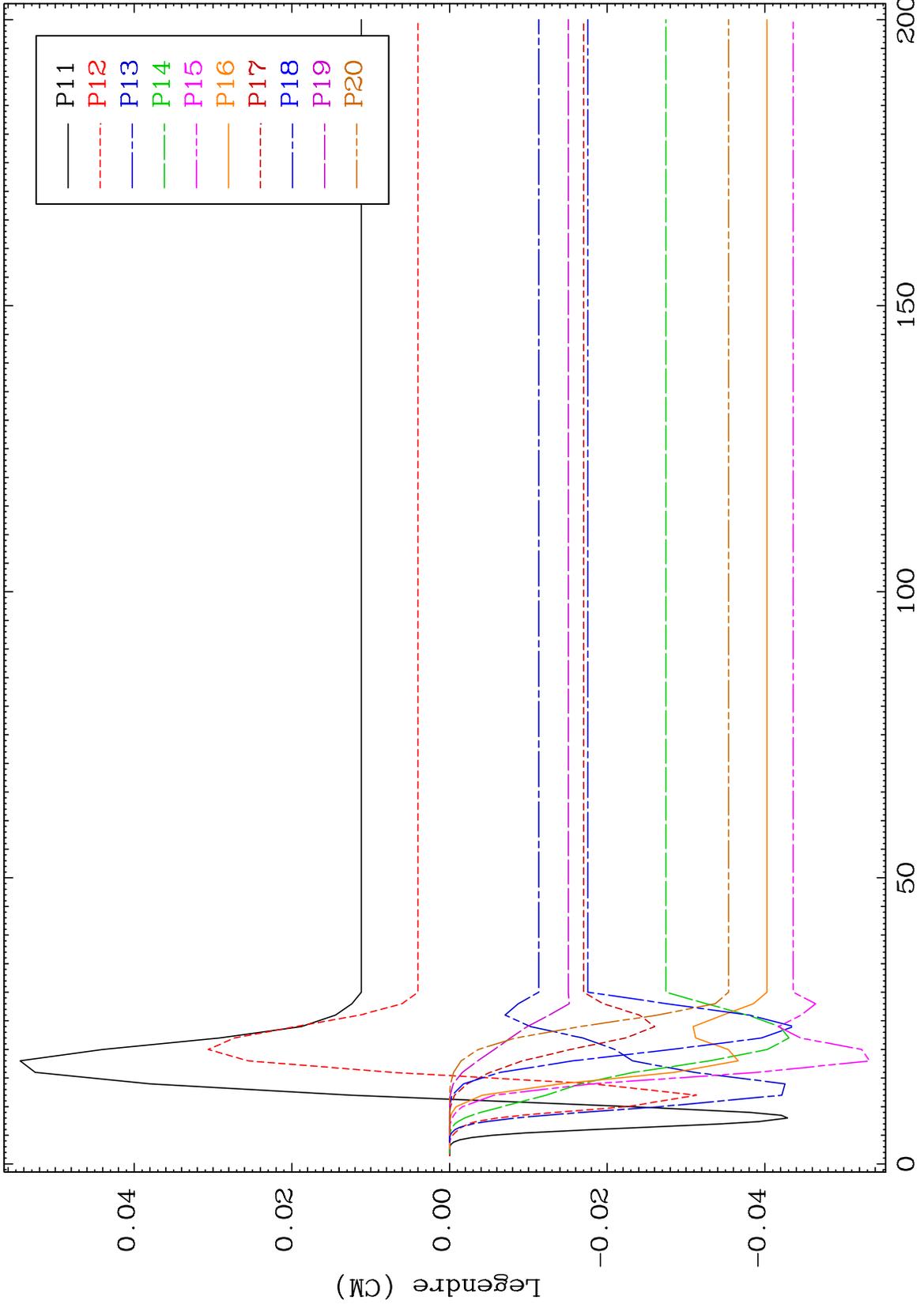


75

Incident Energy (MeV)

83-Bi-202

MAT 8304 MT= 67 (n,n') Level Legendre Coefficients 83-Bi-202

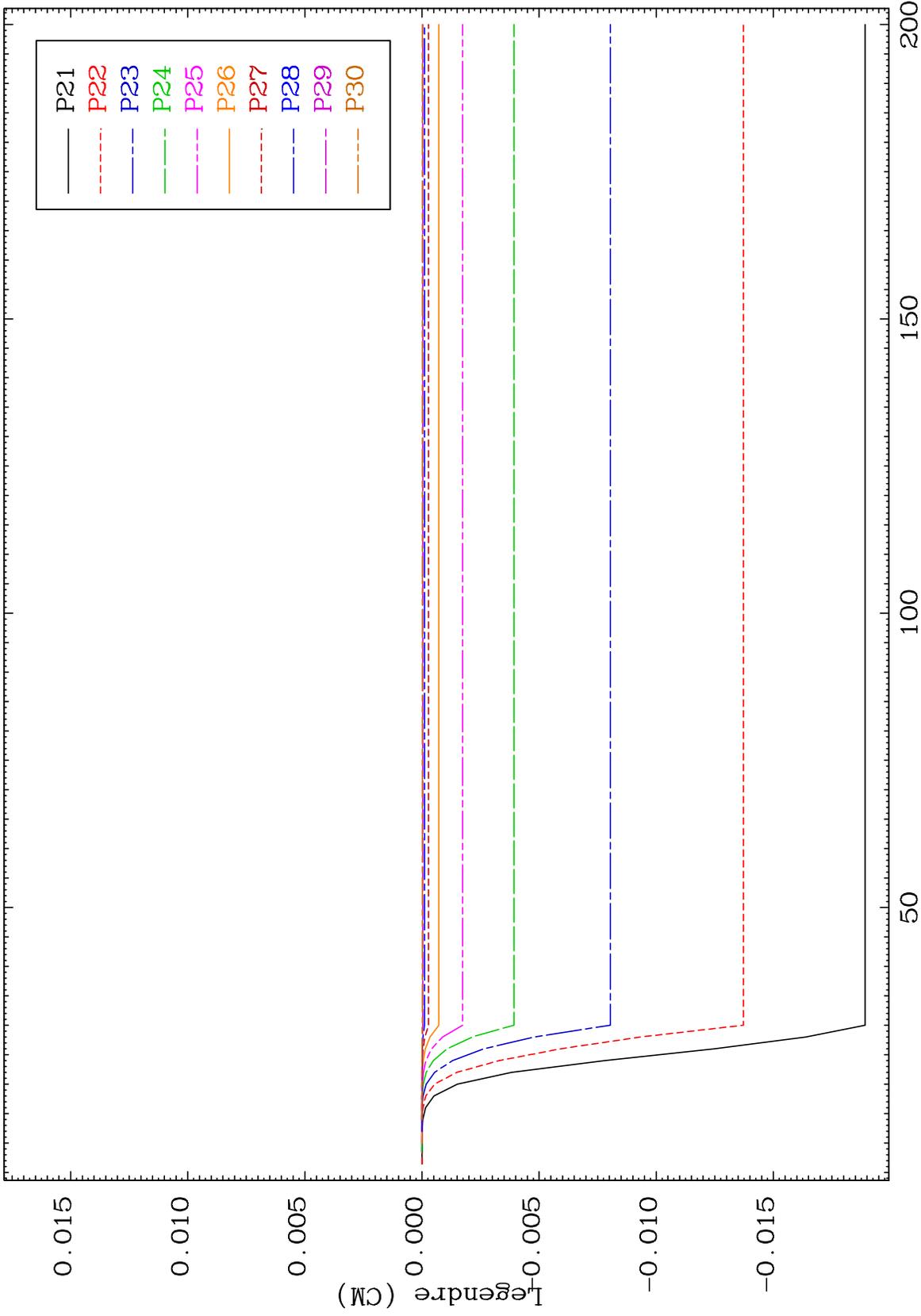


76 83-Bi-202

MAT 8304

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

83-Bi-202



77

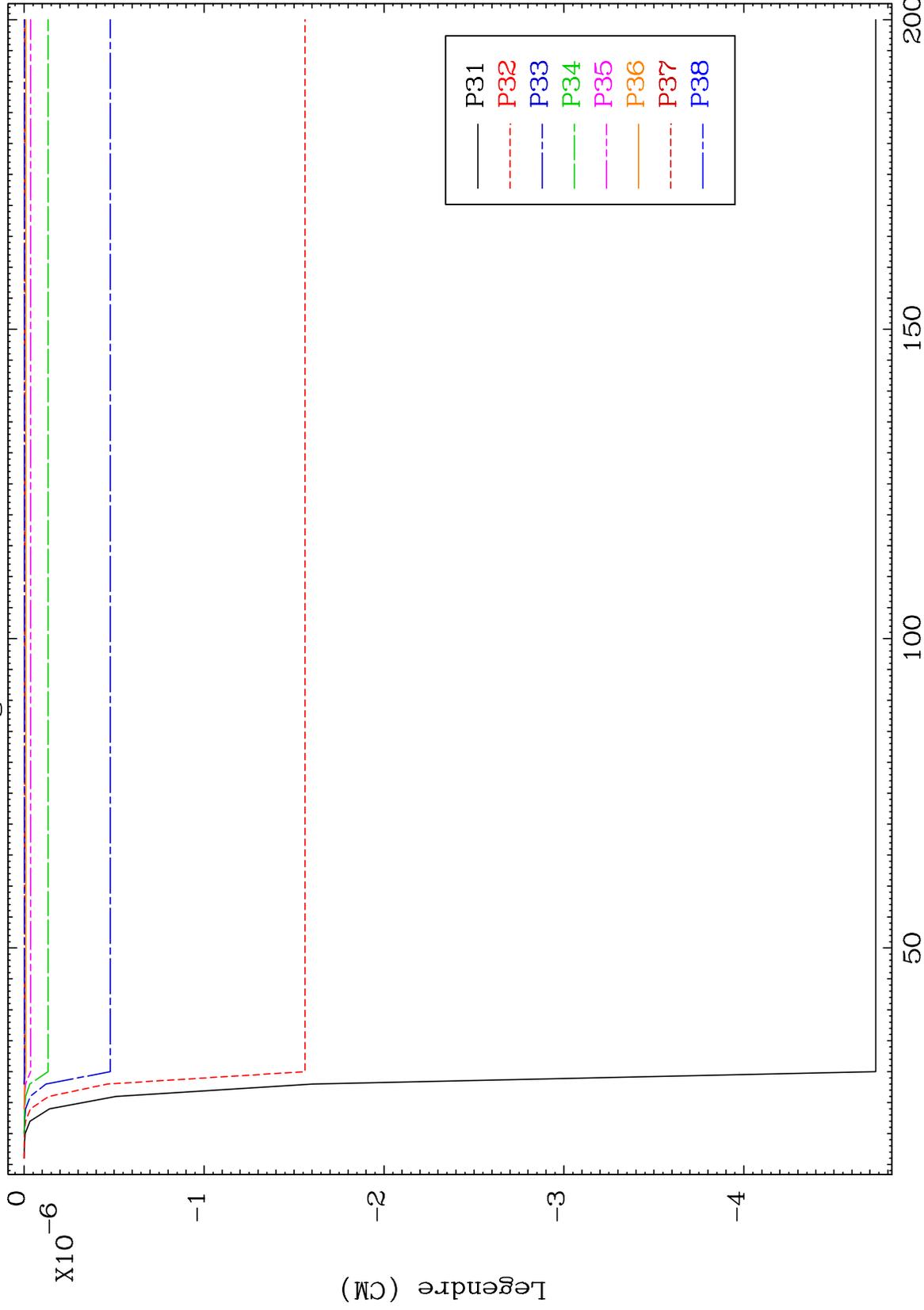
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



78

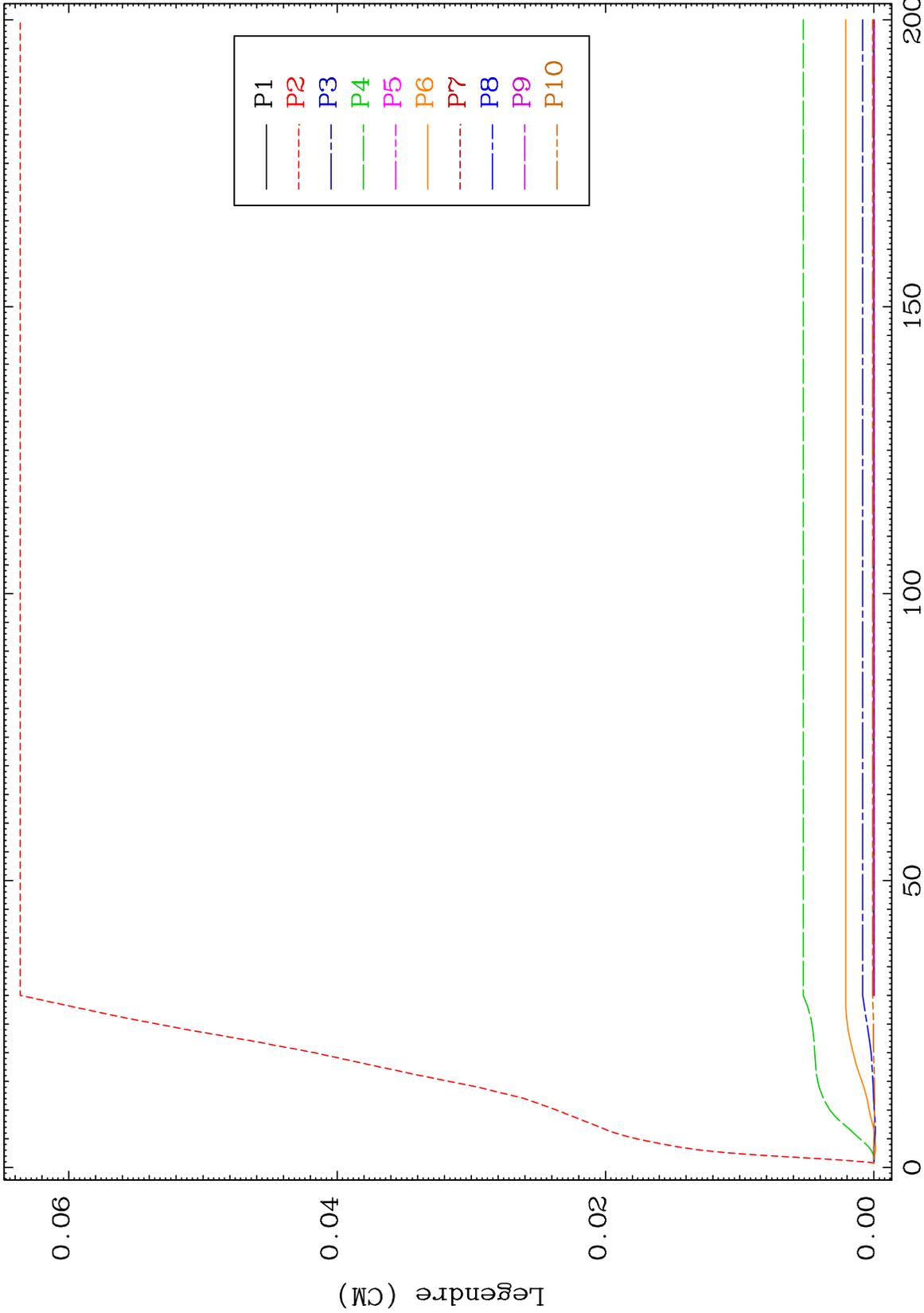
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



79

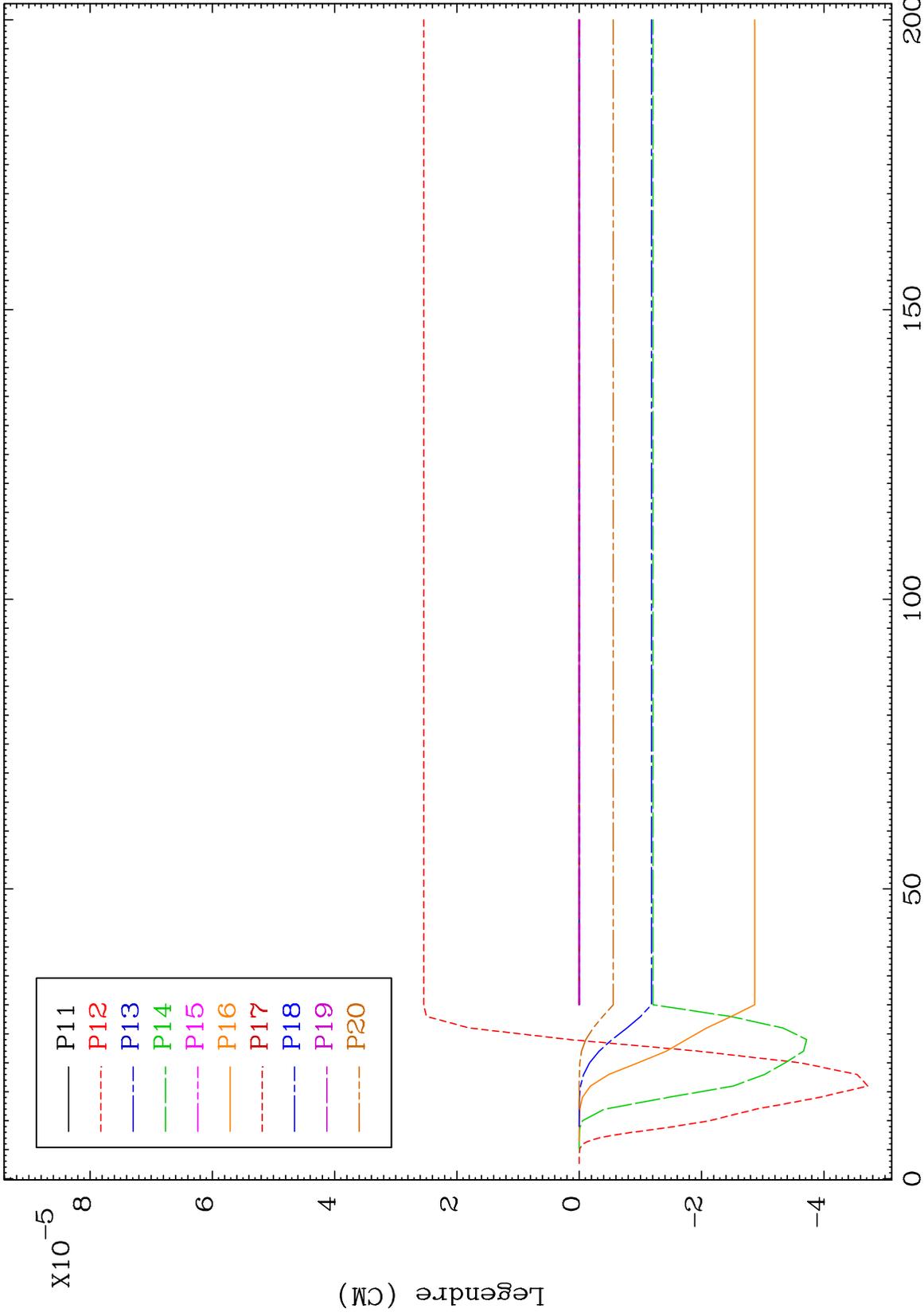
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83-Bi-202

MAT 8304

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

83-Bi-202



80

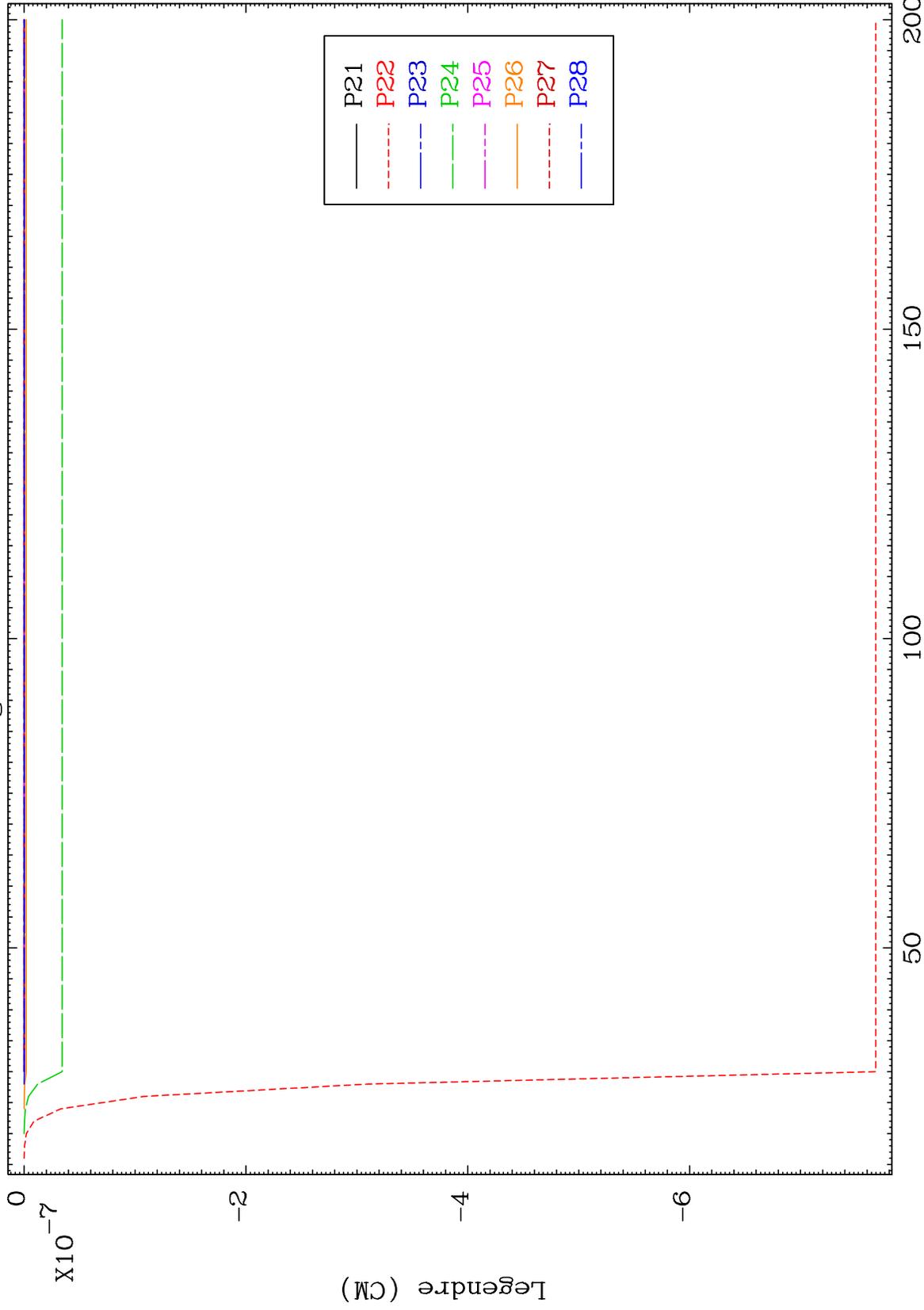
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



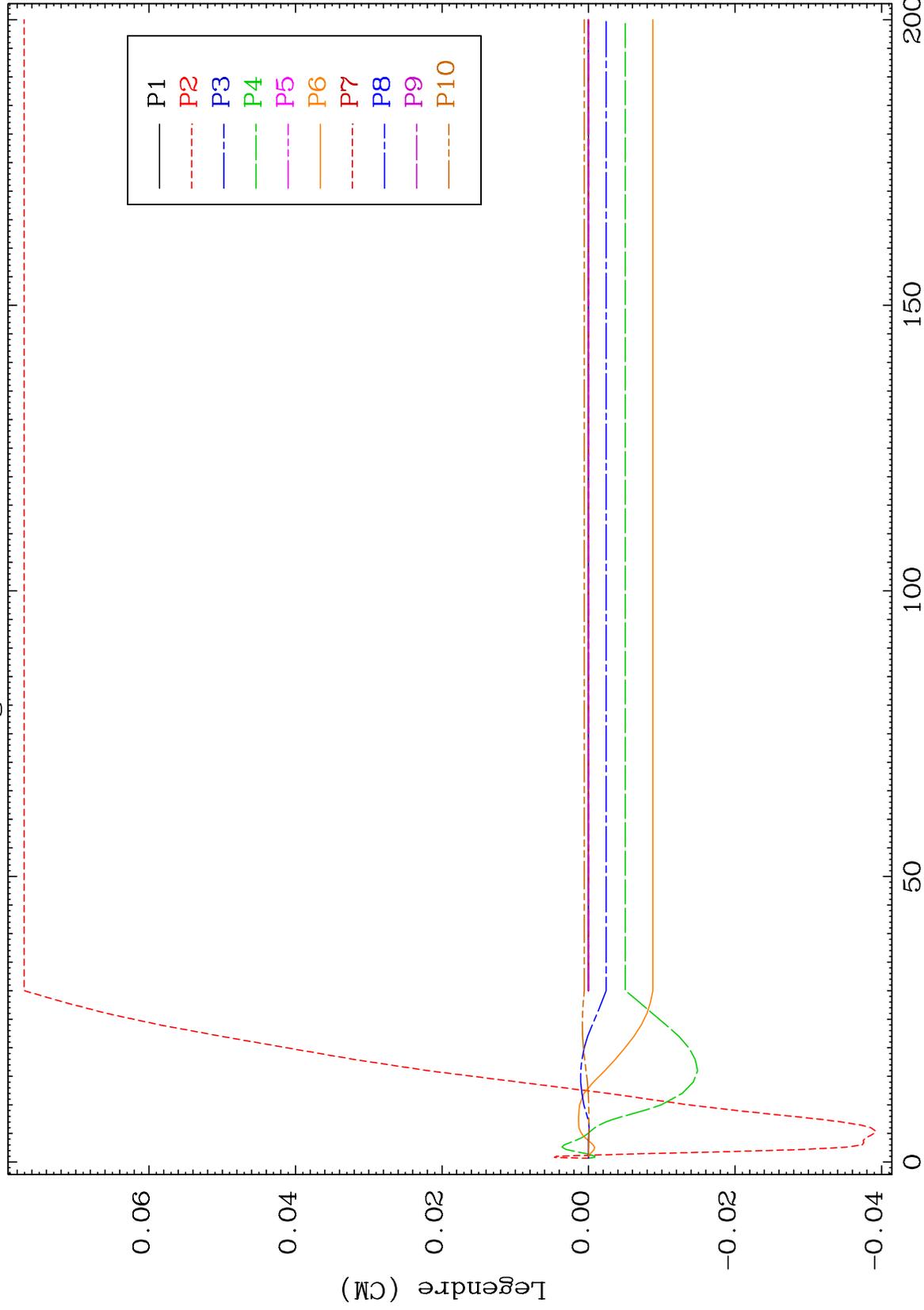
81

83-Bi-202

MAT 8304

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

83-Bi-202



82

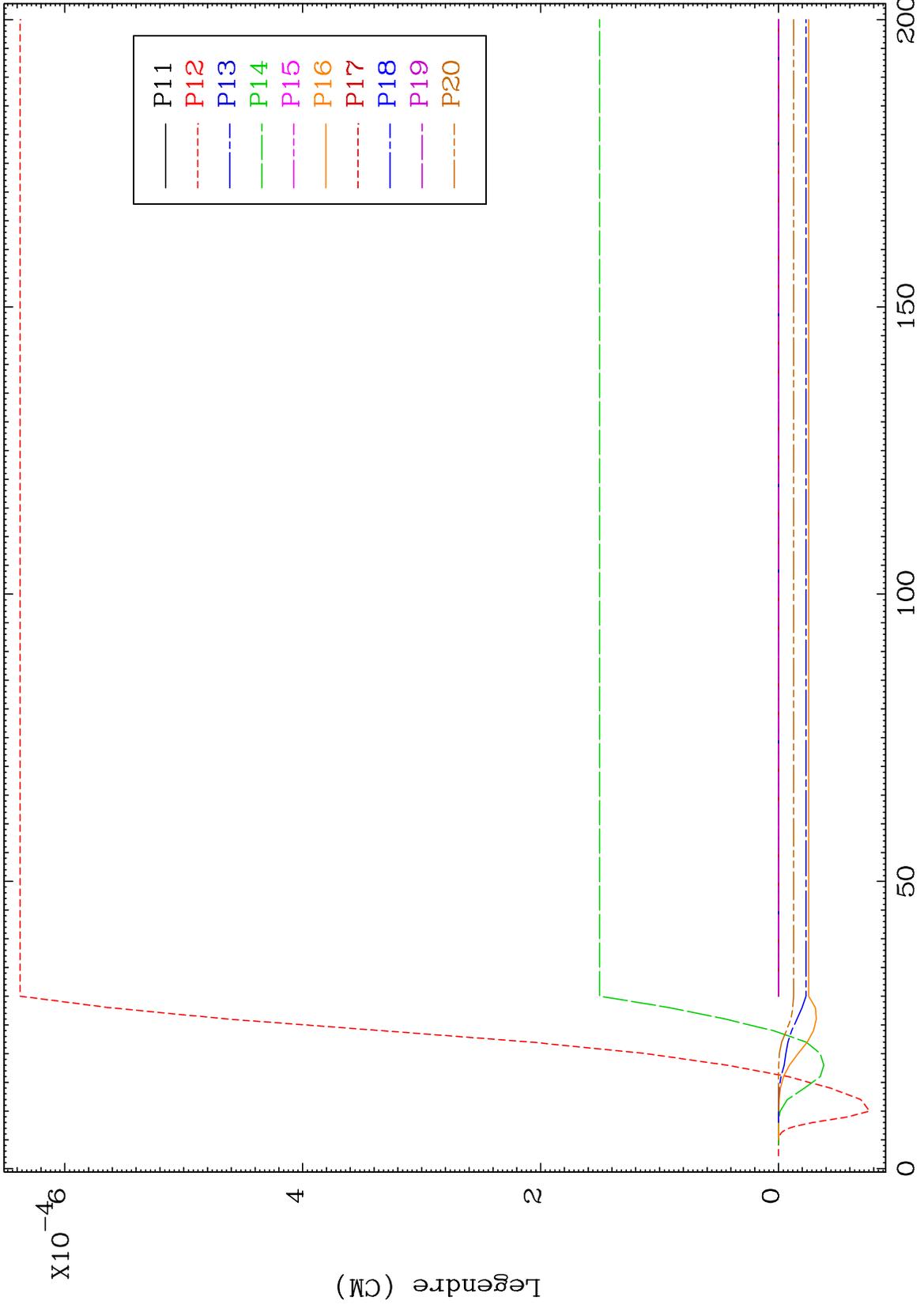
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



83

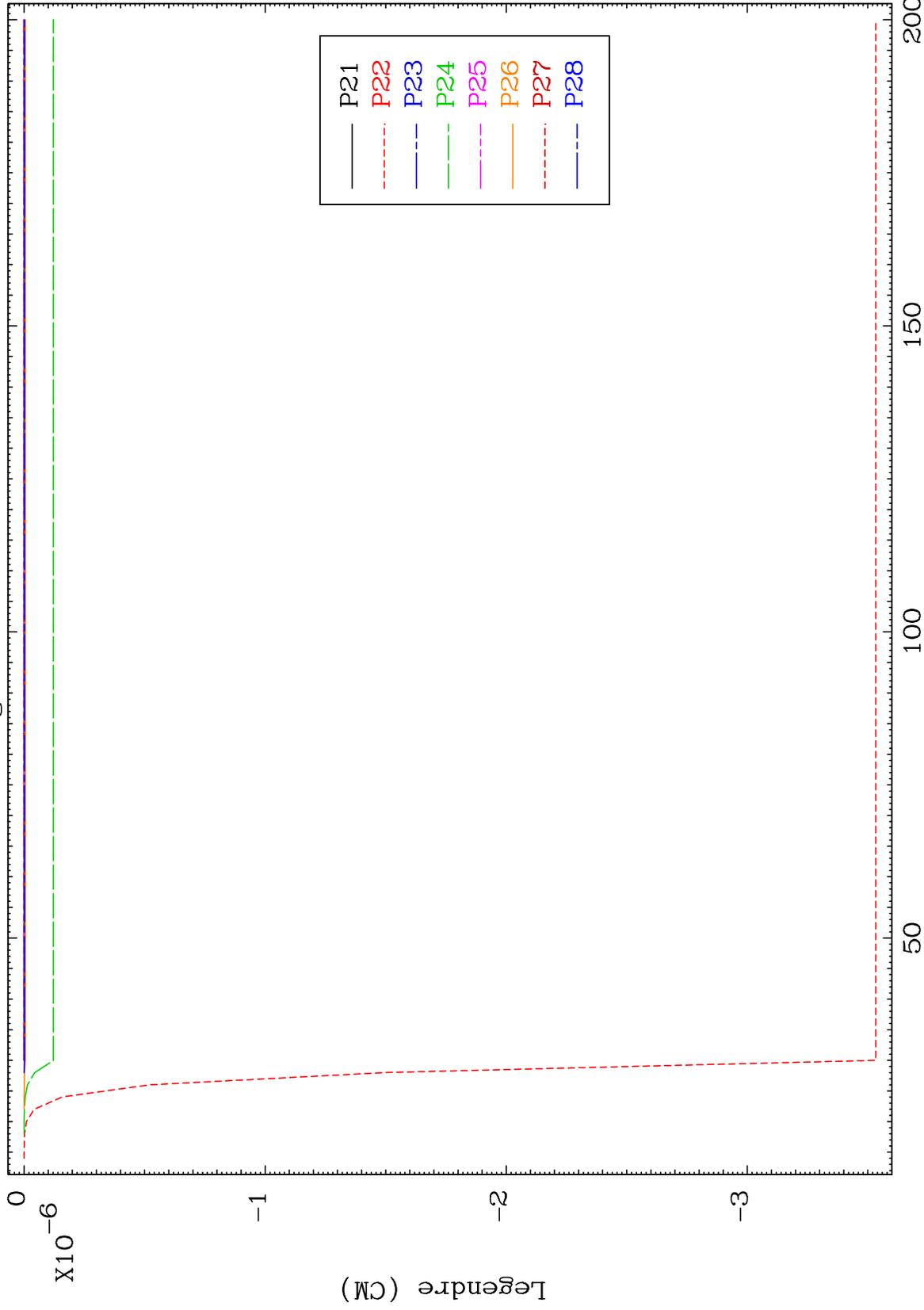
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



84

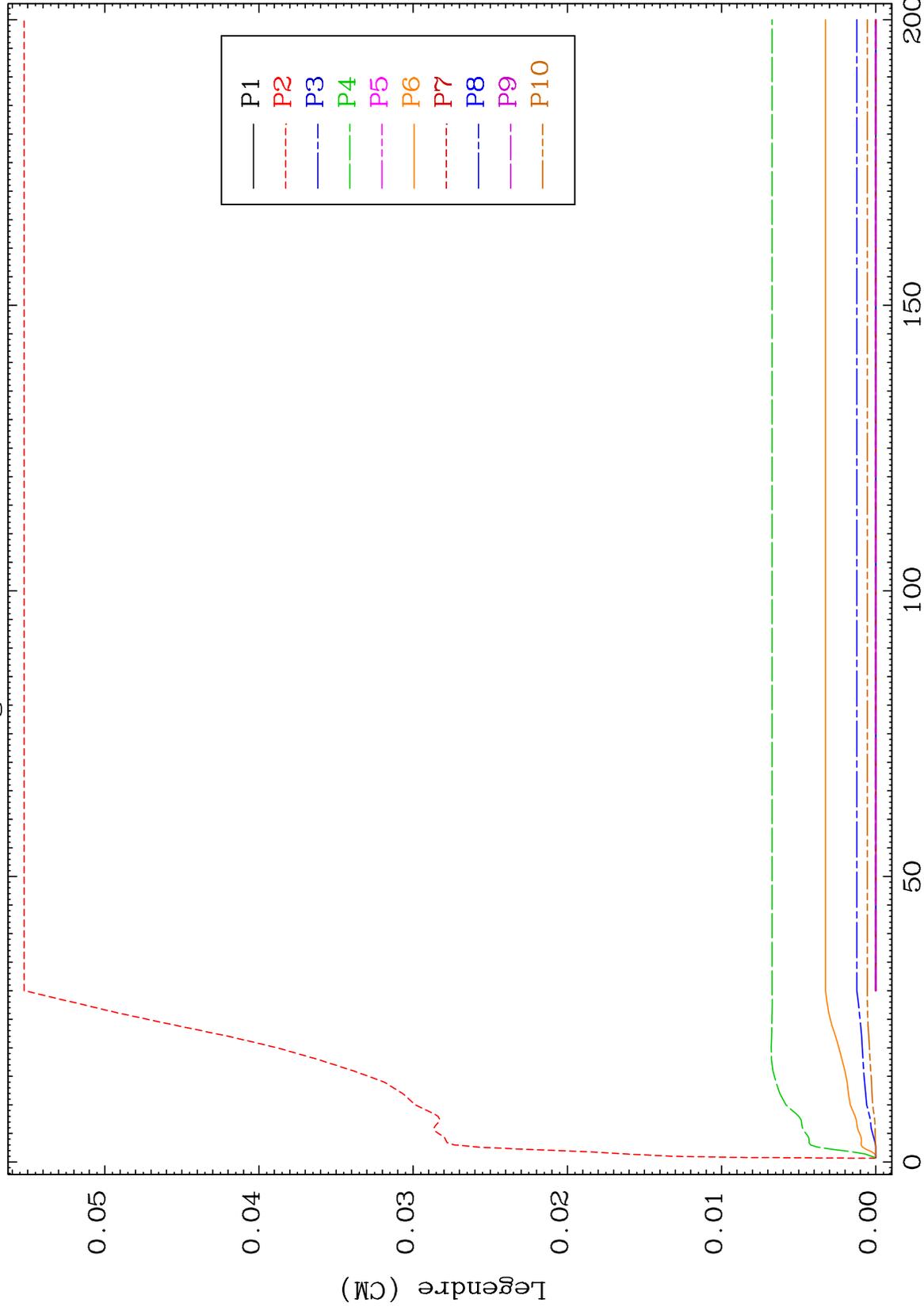
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



85

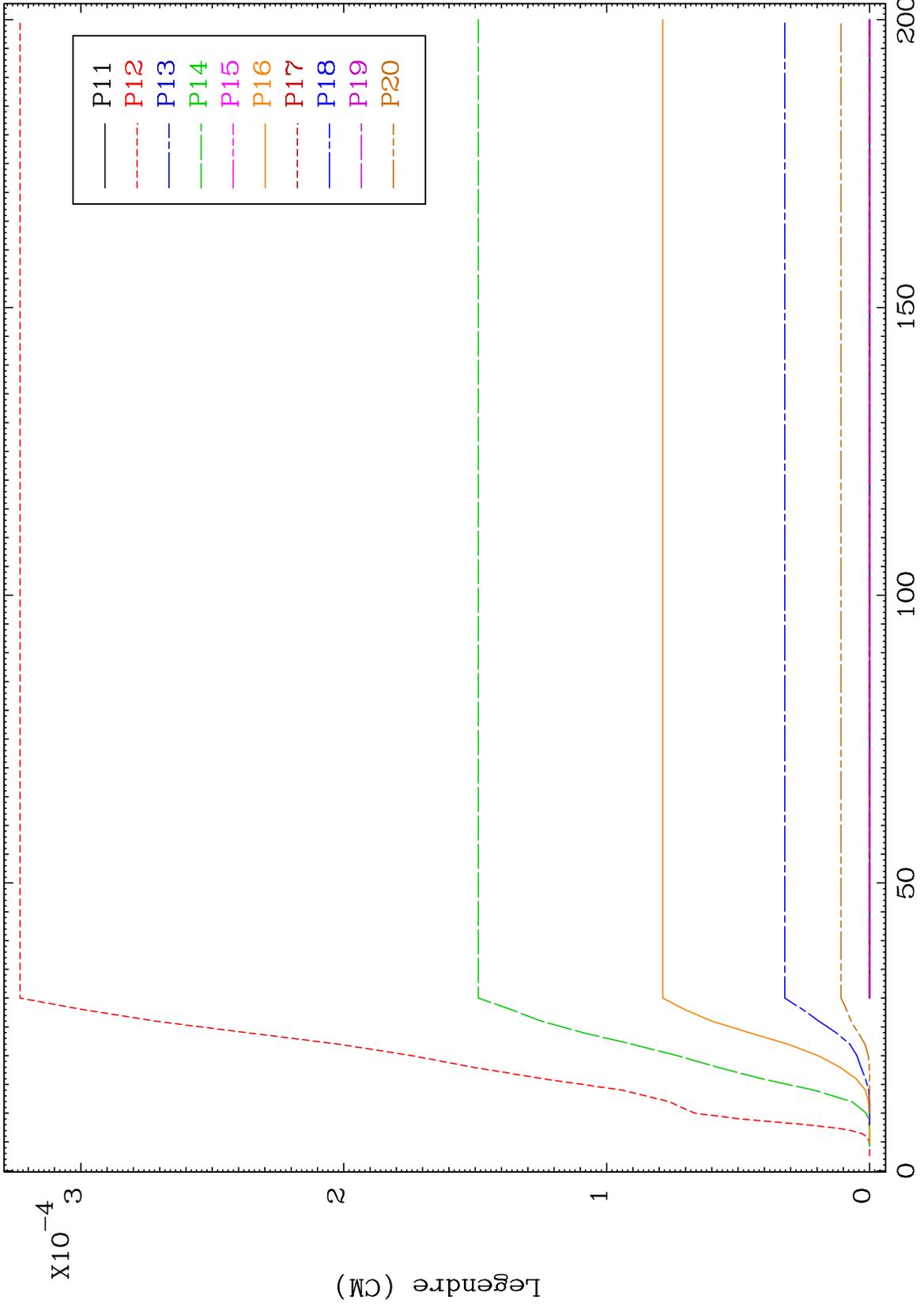
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



86

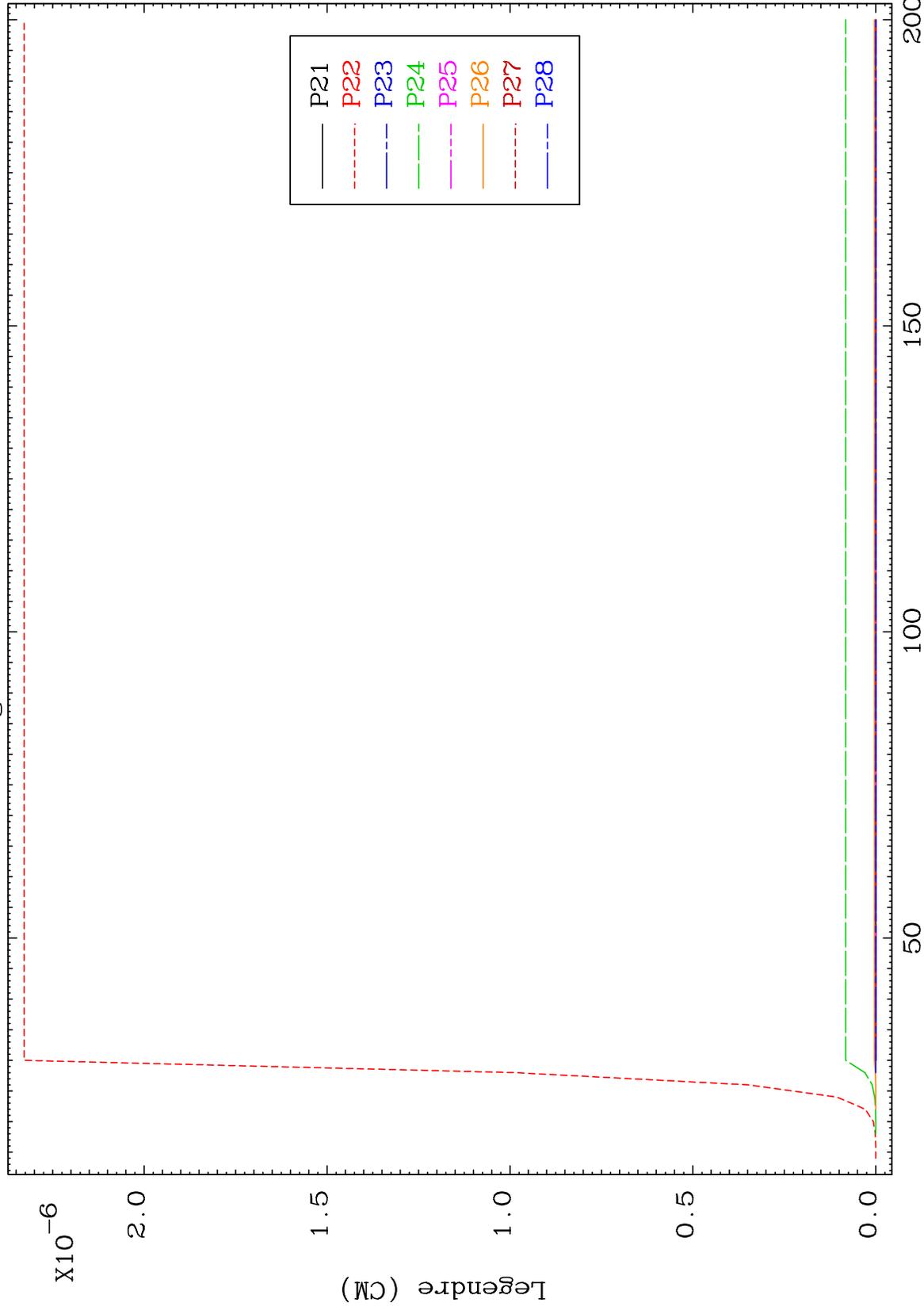
83-Bi-202

83-Bi-202

MAT 8304

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

83-Bi-202



87

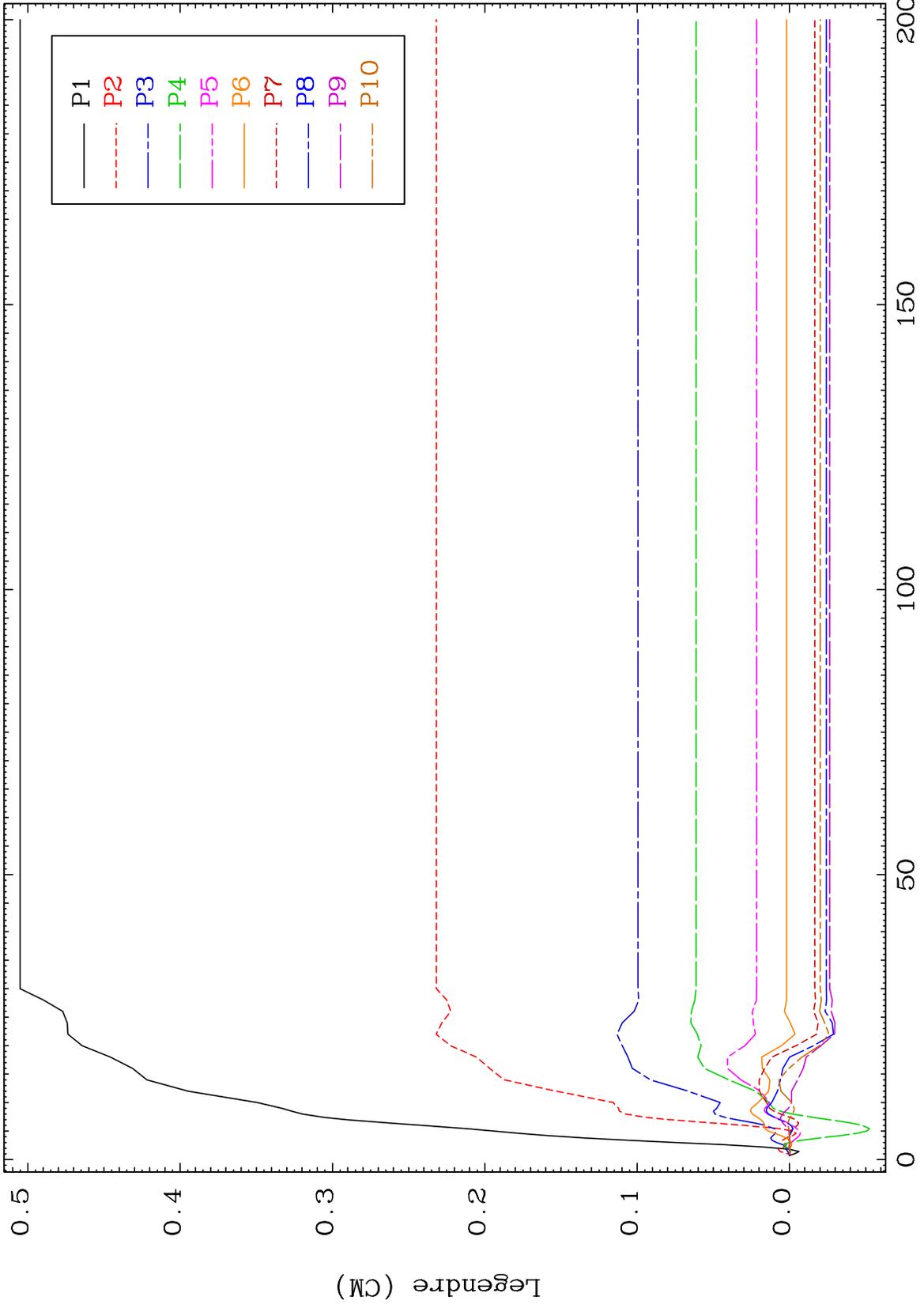
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



88

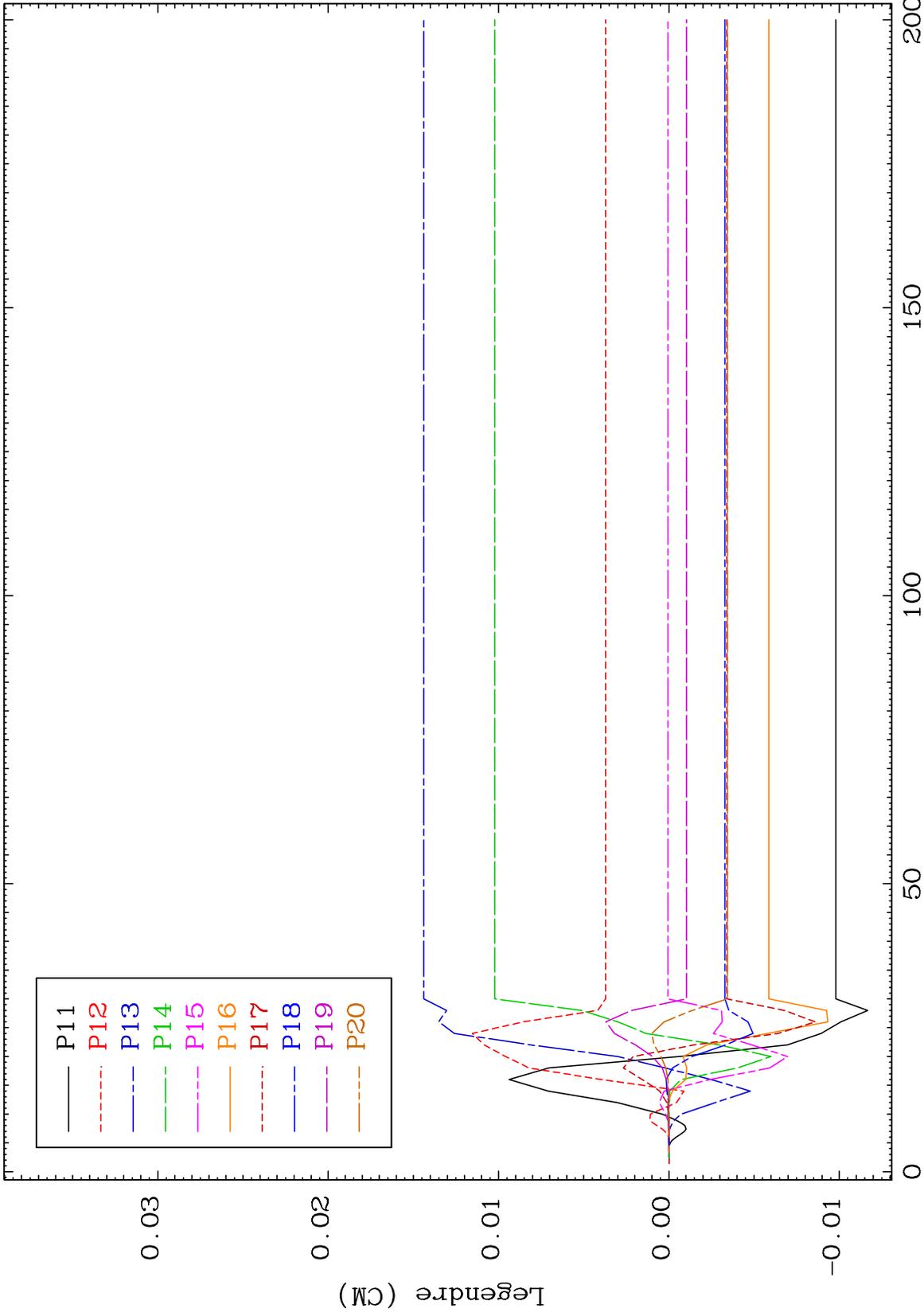
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



89

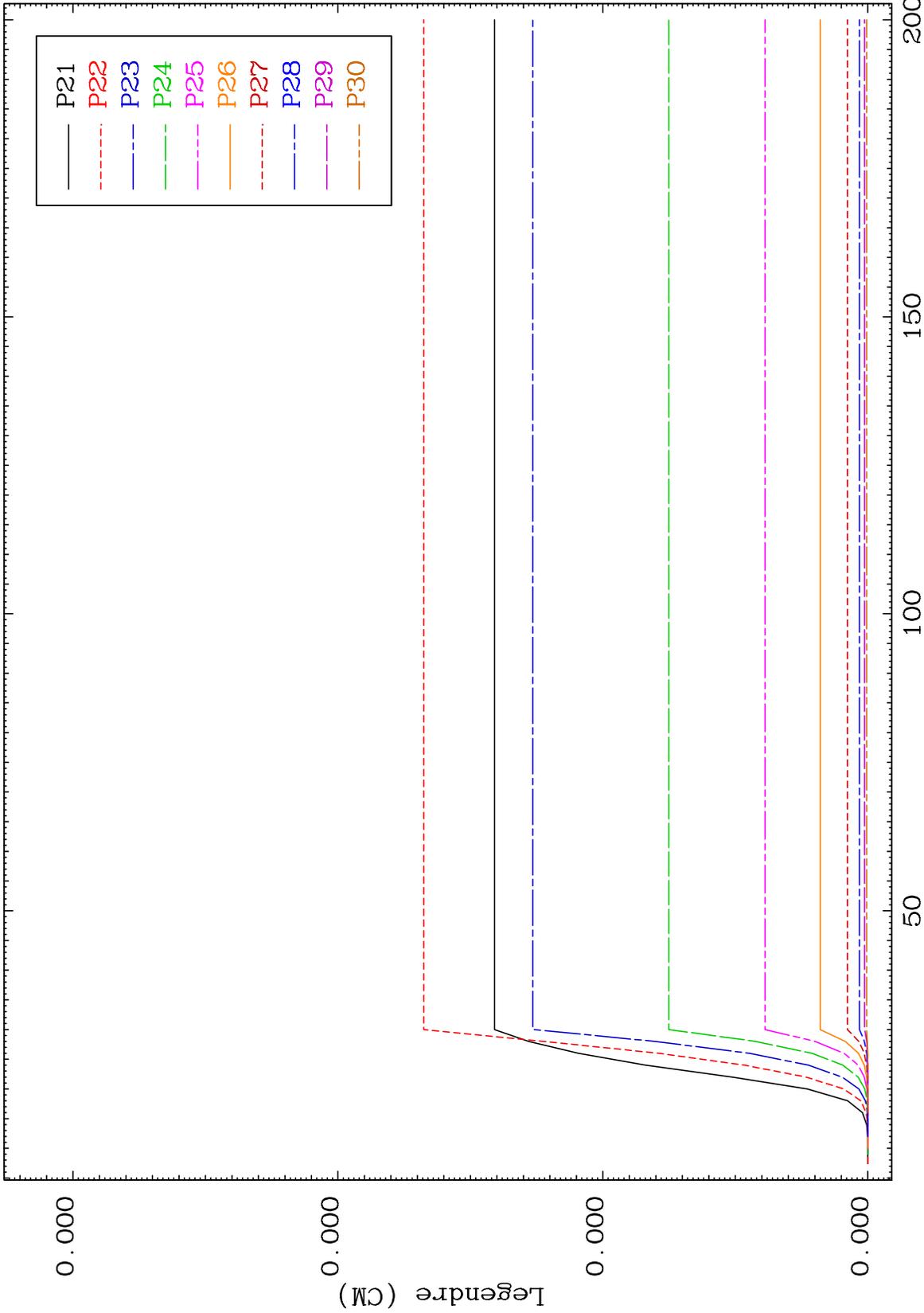
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



90

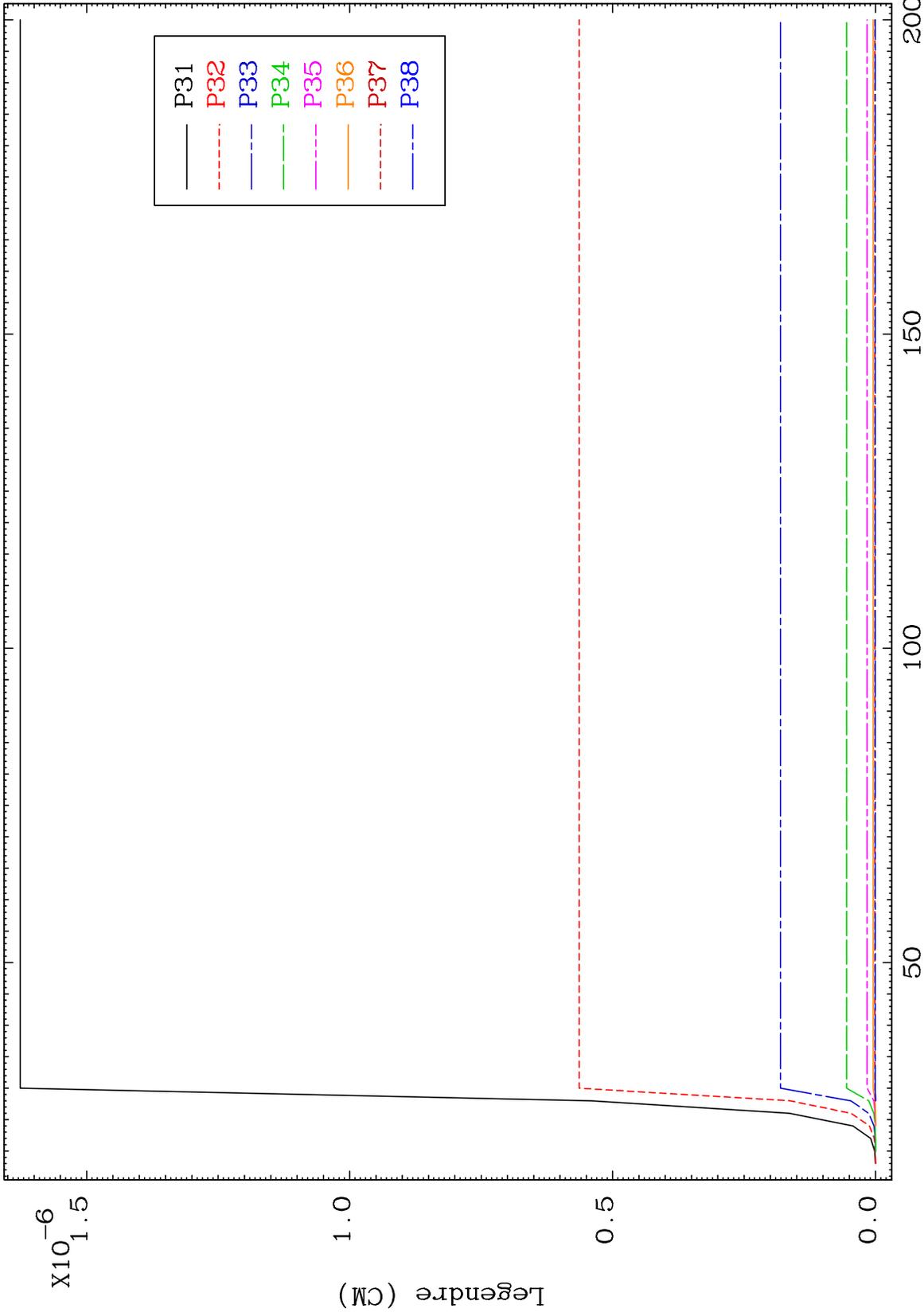
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



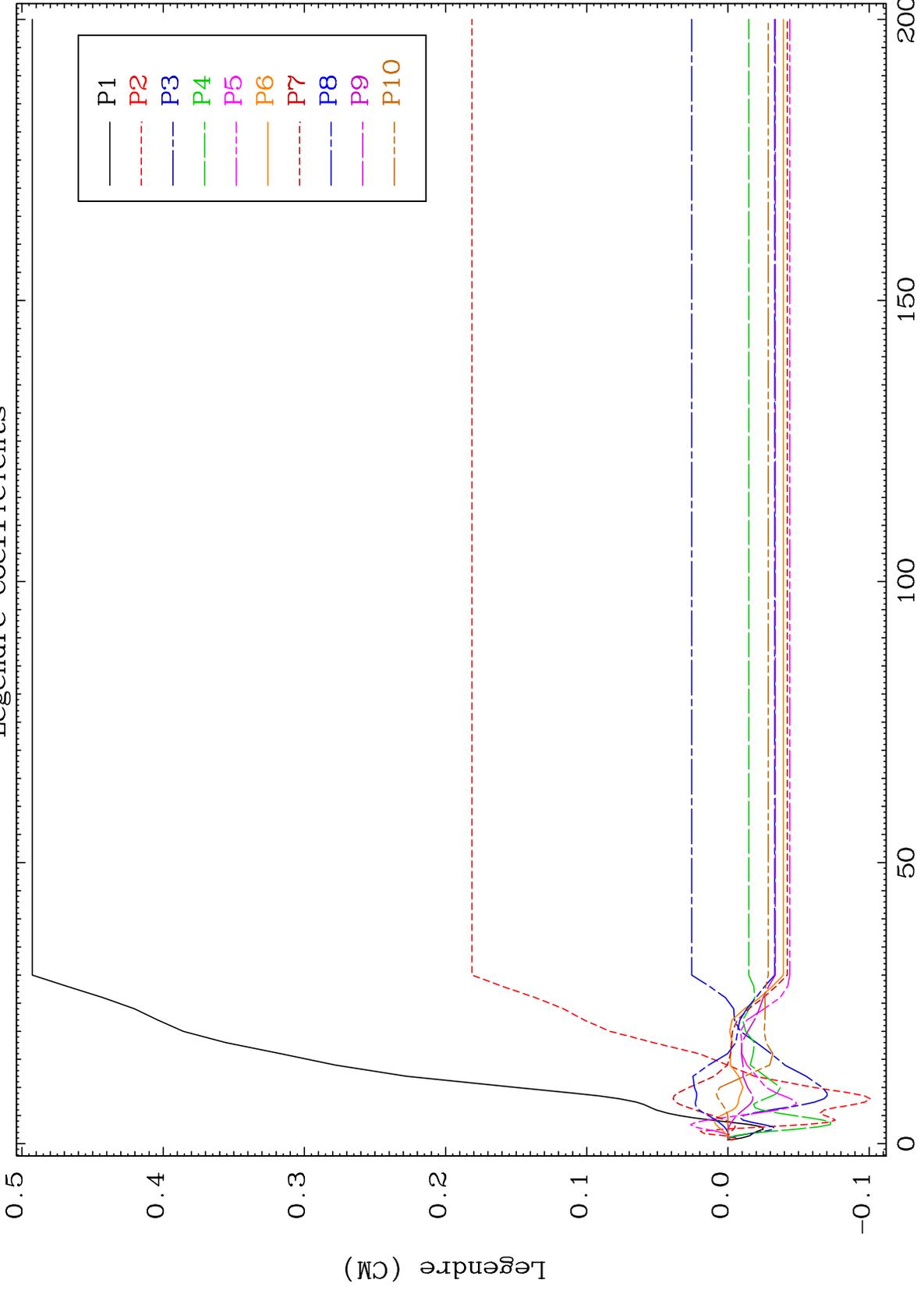
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83-Bi-202

MAT 8304

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

83-Bi-202



92

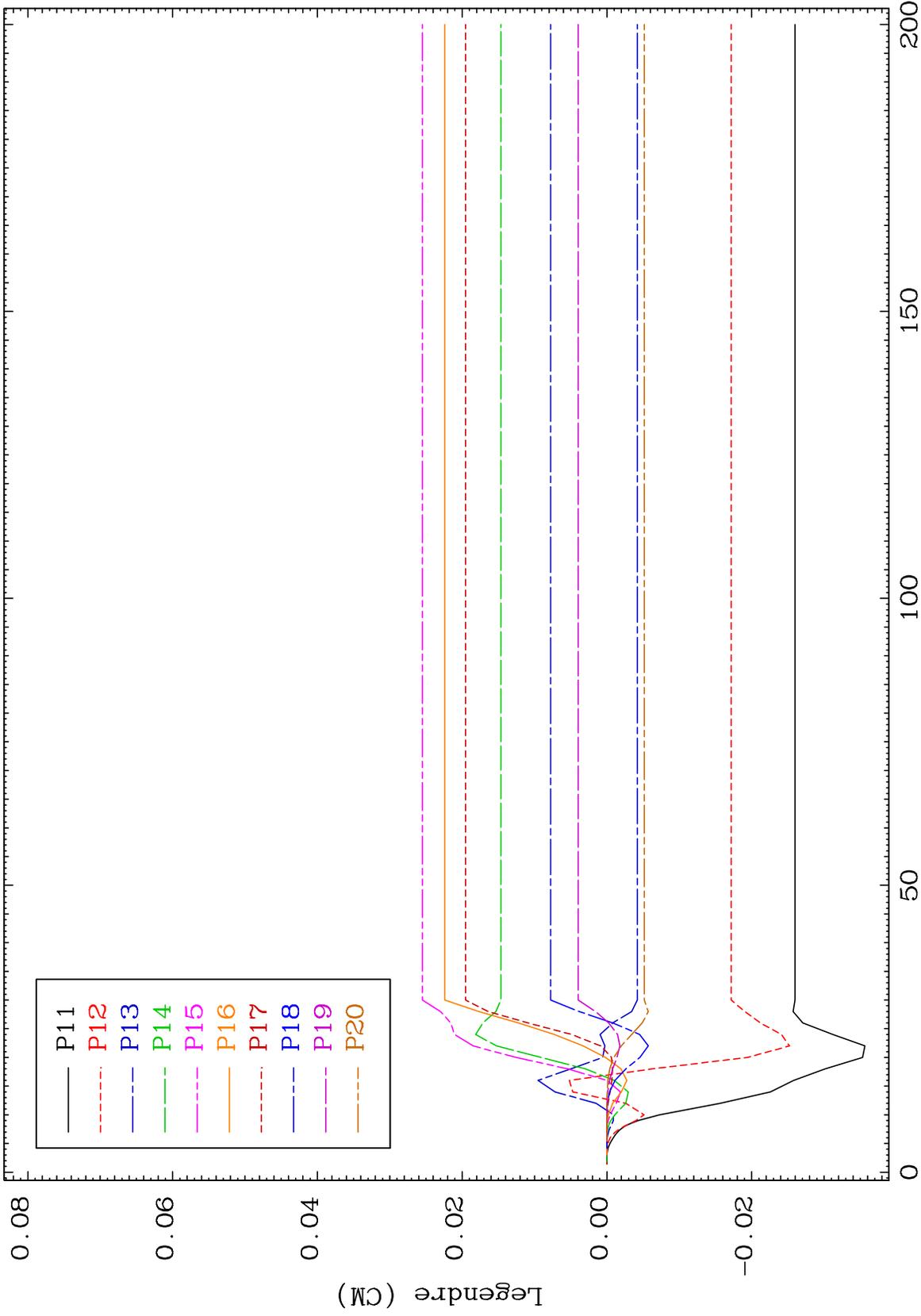
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



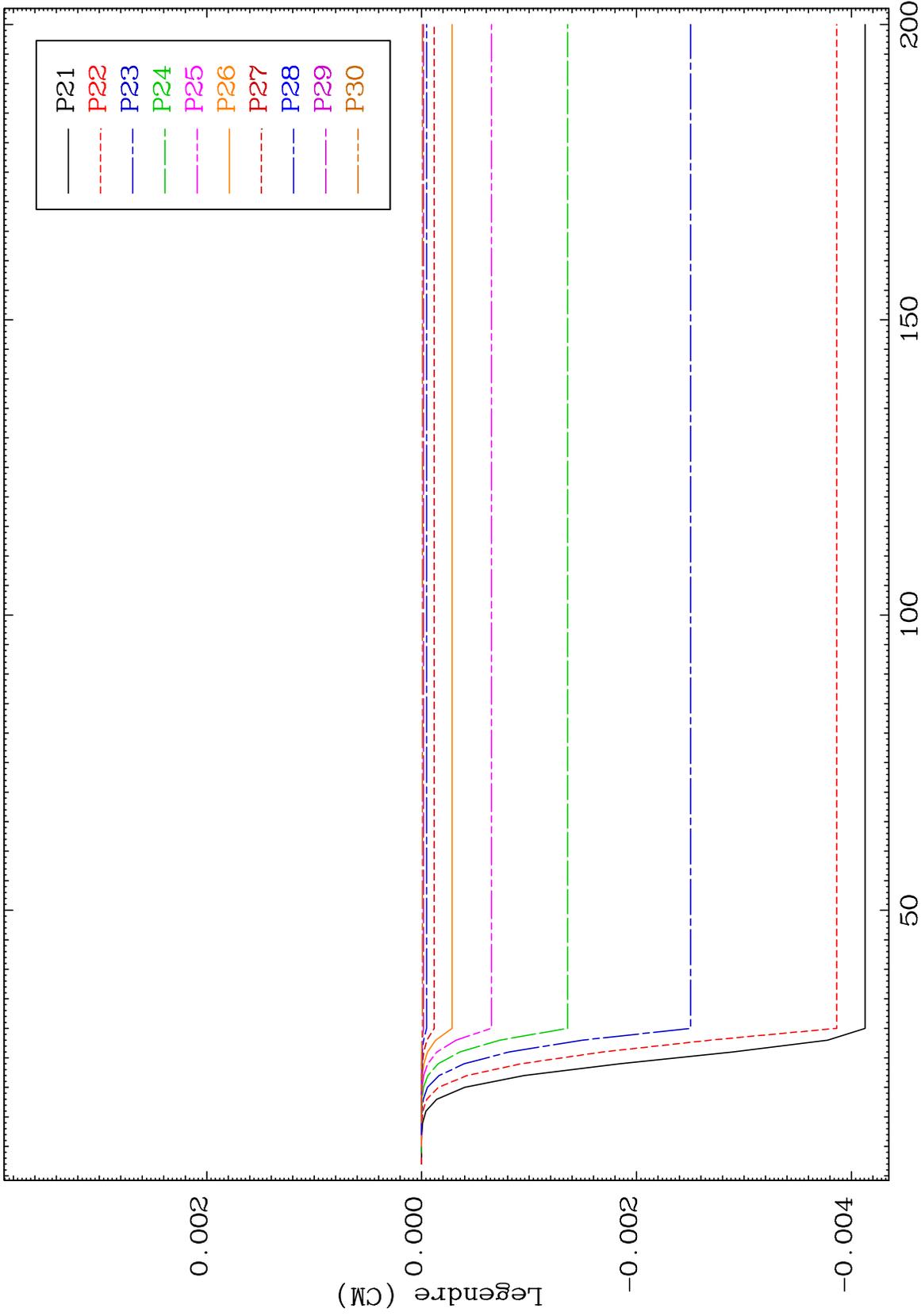
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83-Bi-202

MAT 8304

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

83-Bi-202



94

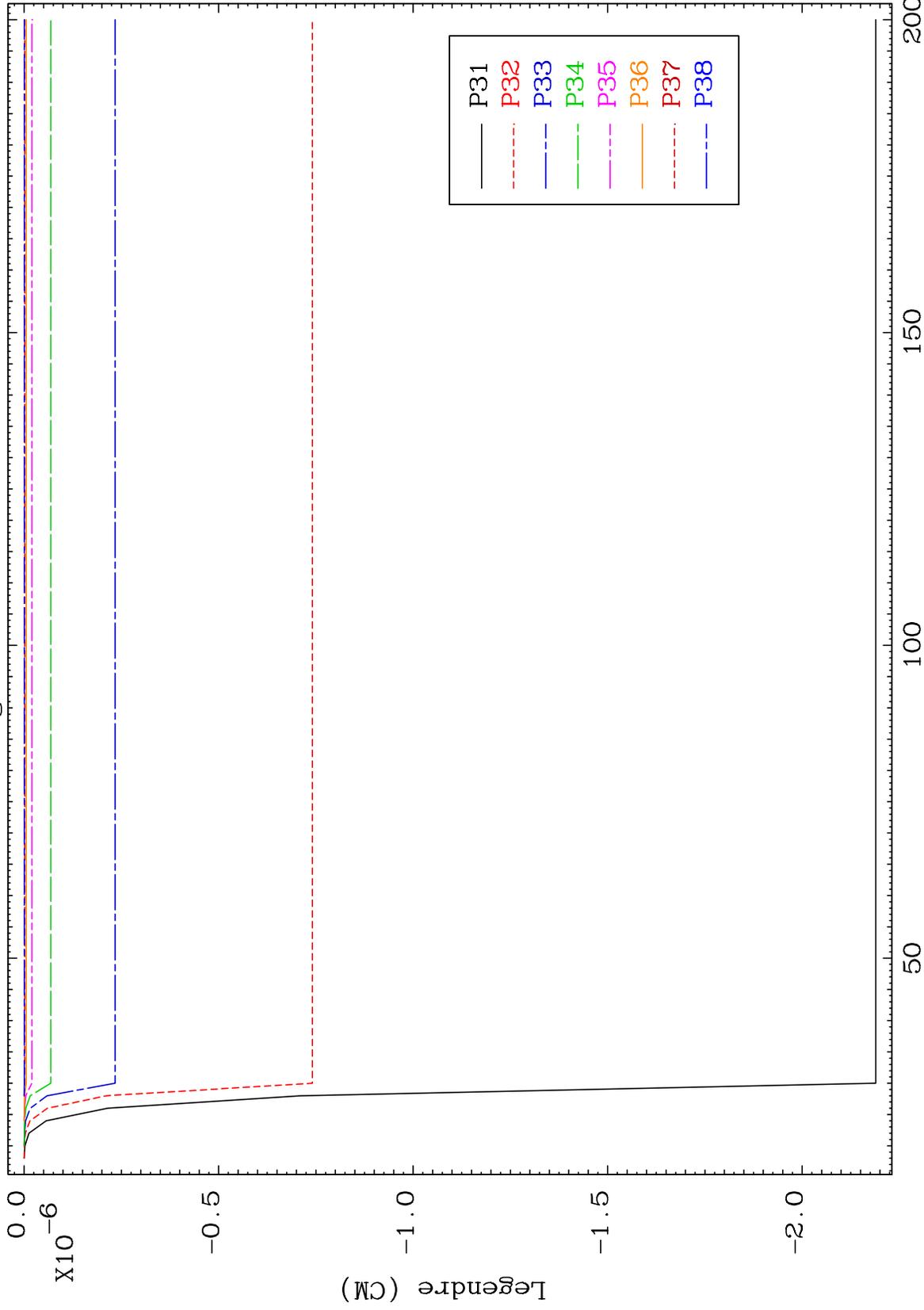
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



95

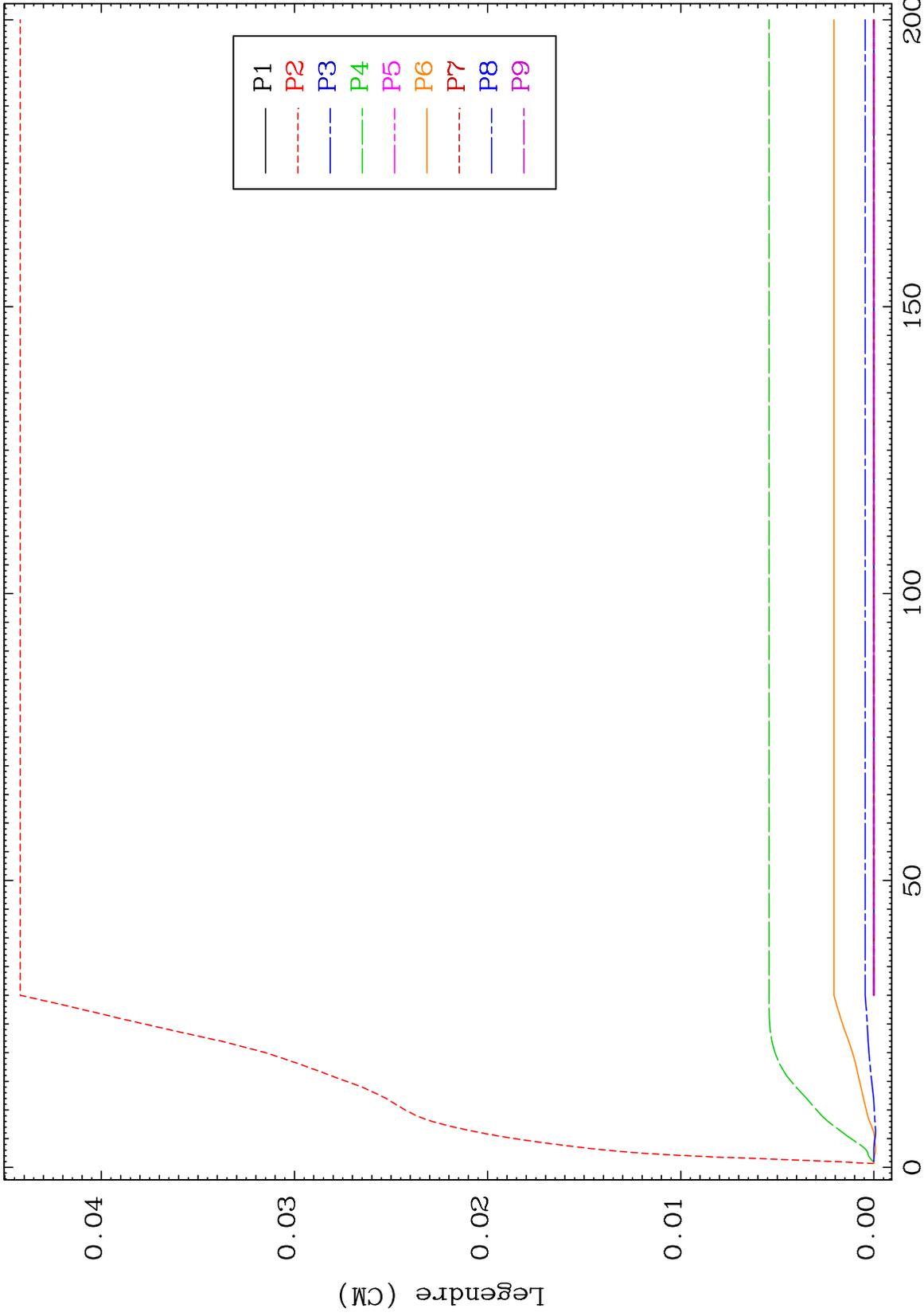
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



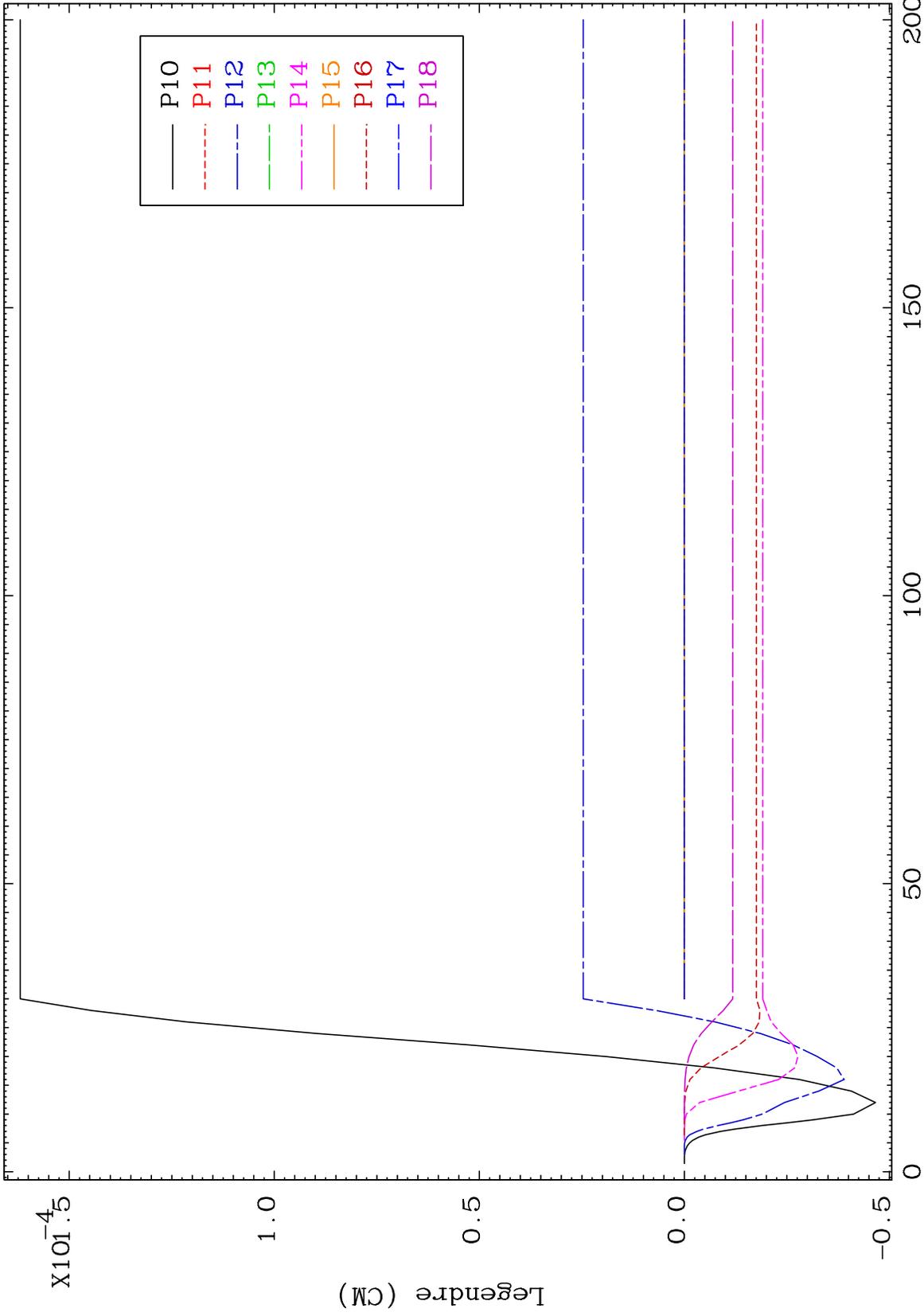
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83-Bi-202

MAT 8304

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

83-Bi-202



97

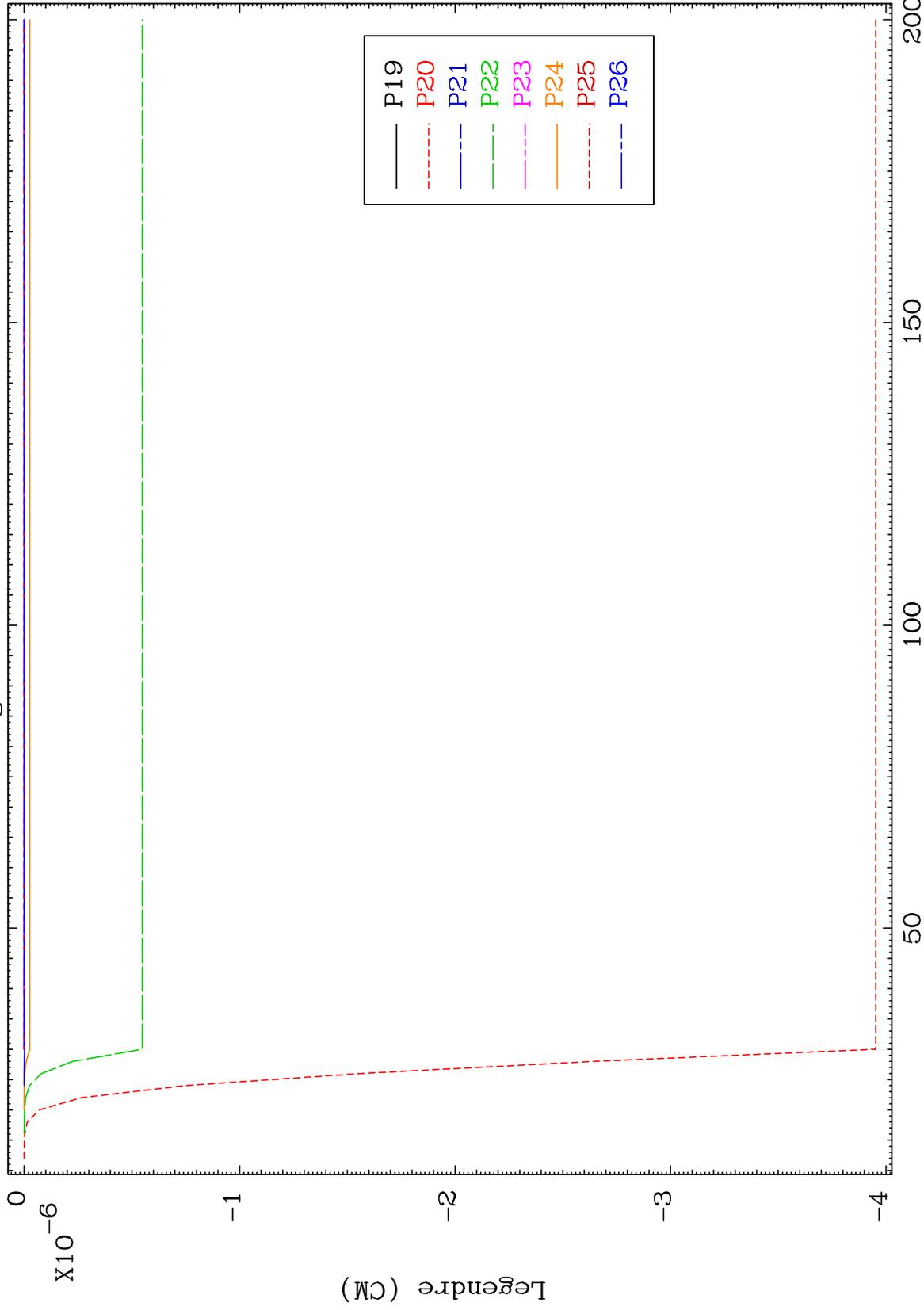
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



98

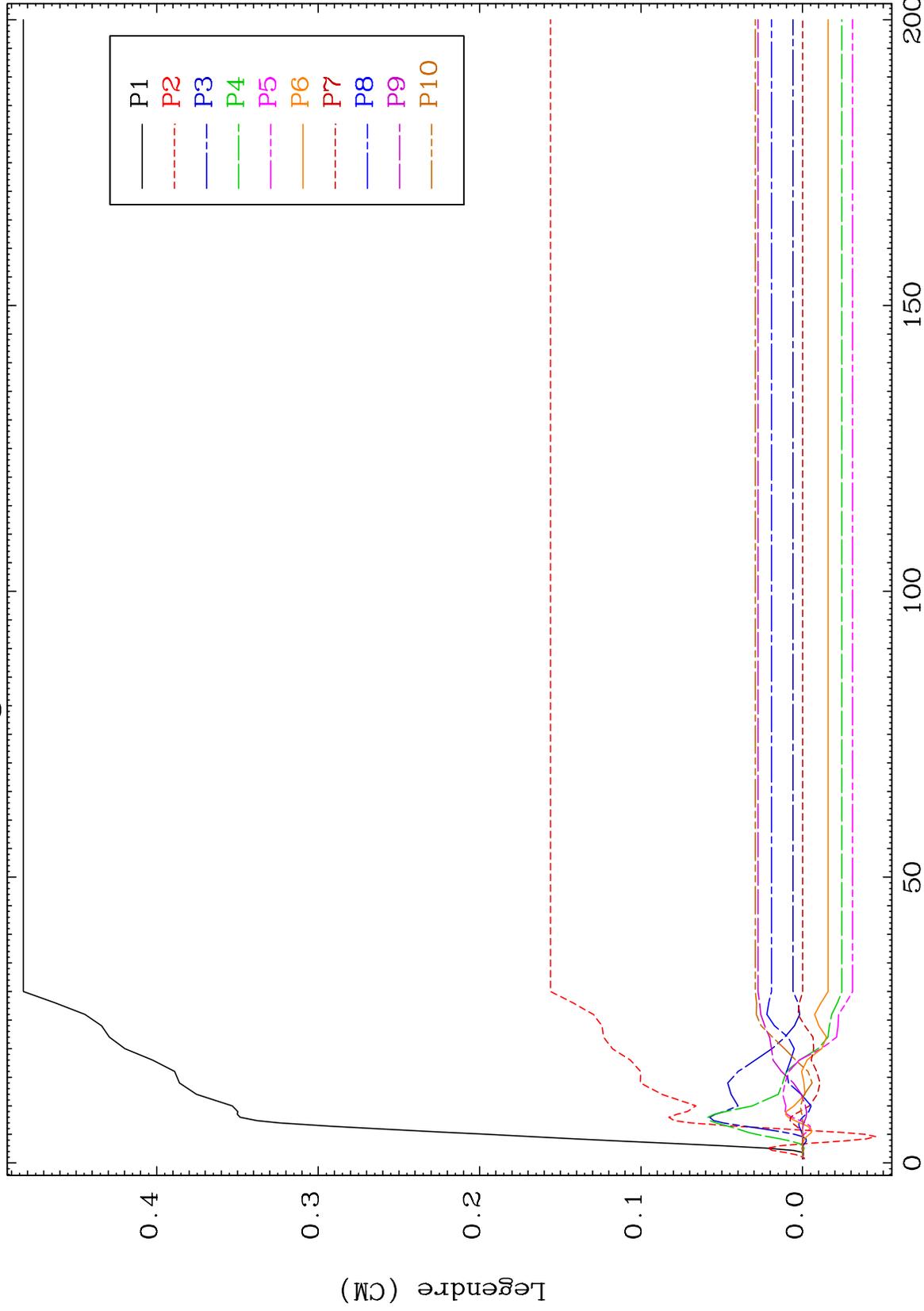
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



99

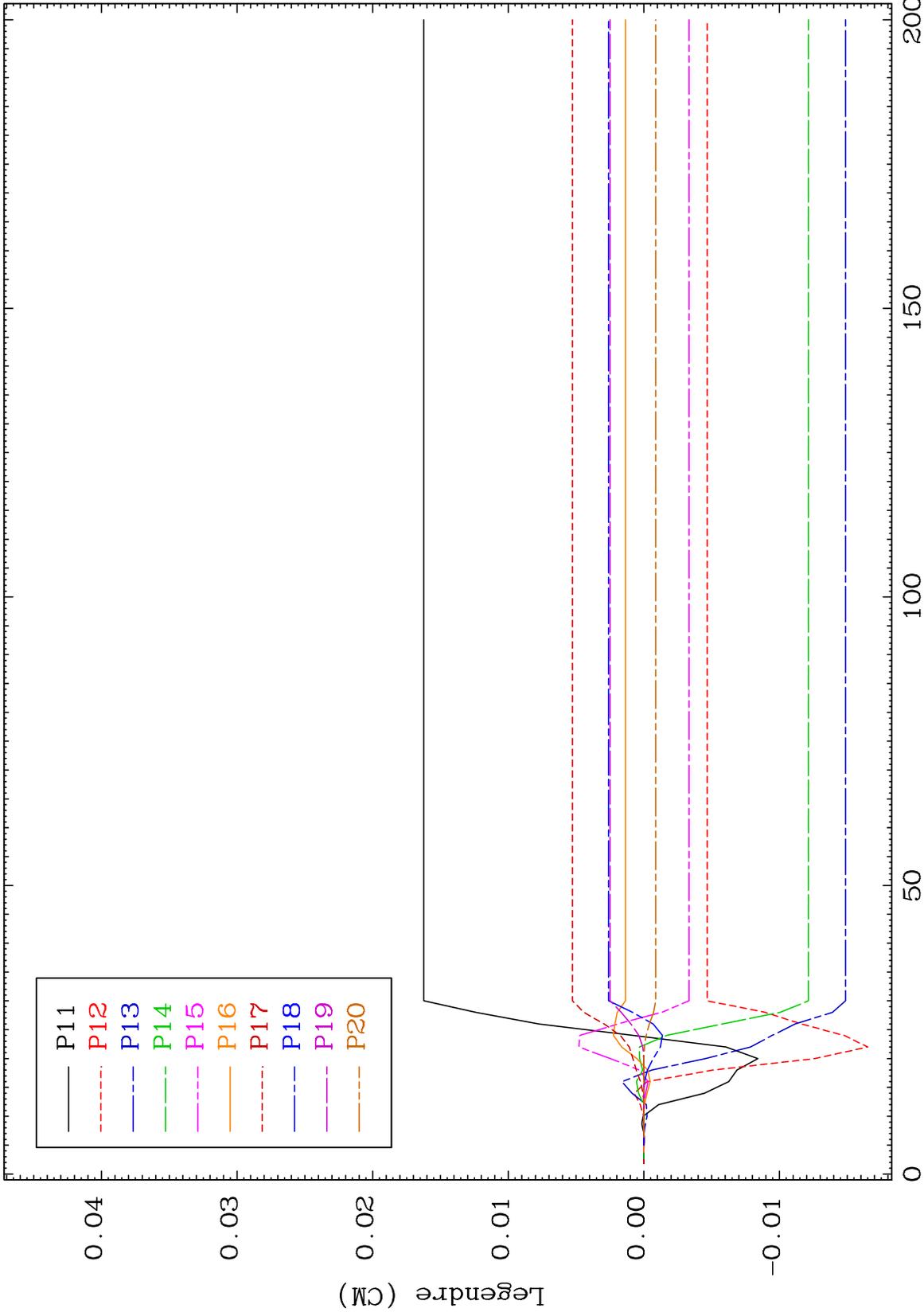
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



83-Bi-202

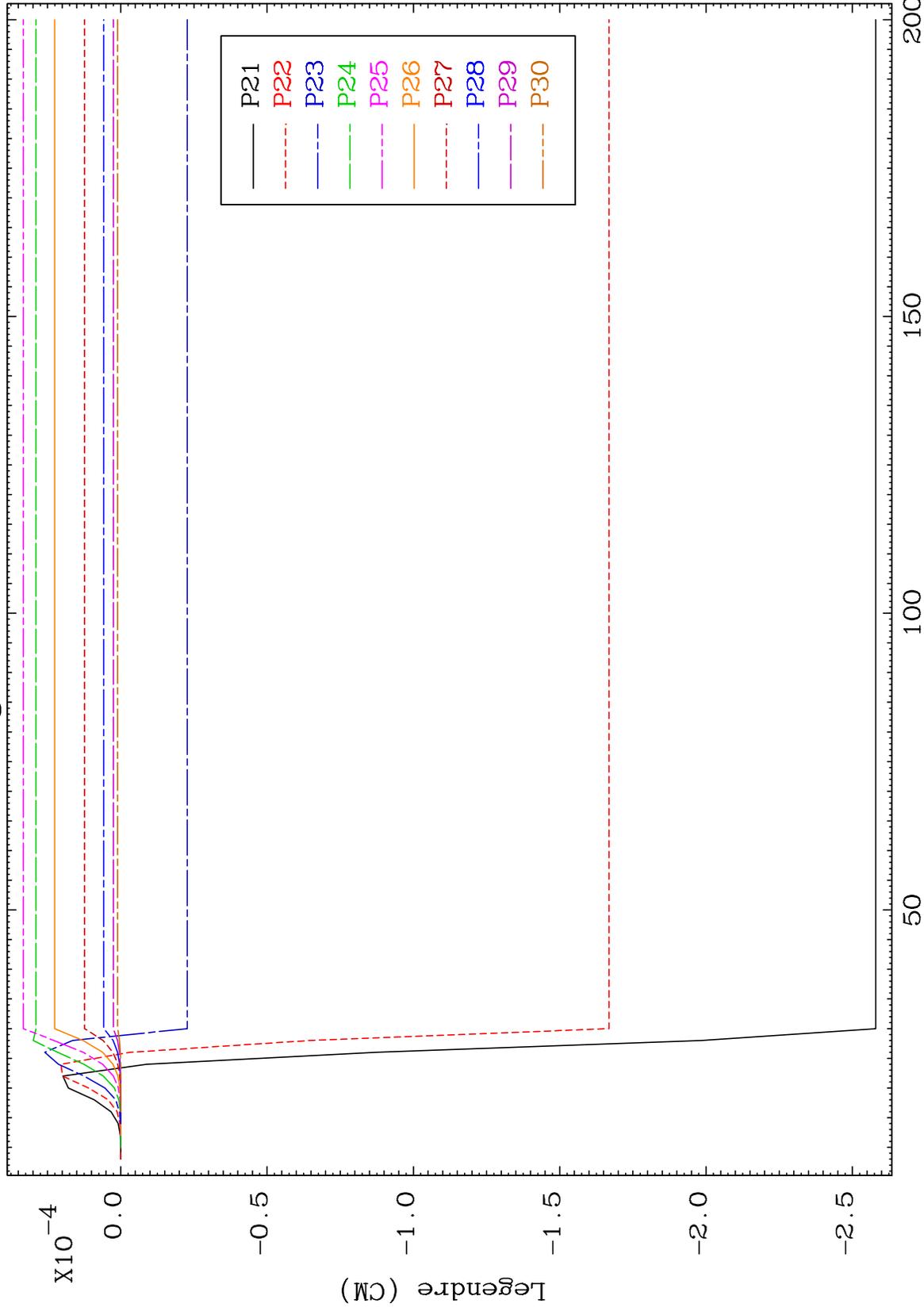
Incident Energy (MeV)

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MAT 8304

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

83-Bi-202



101

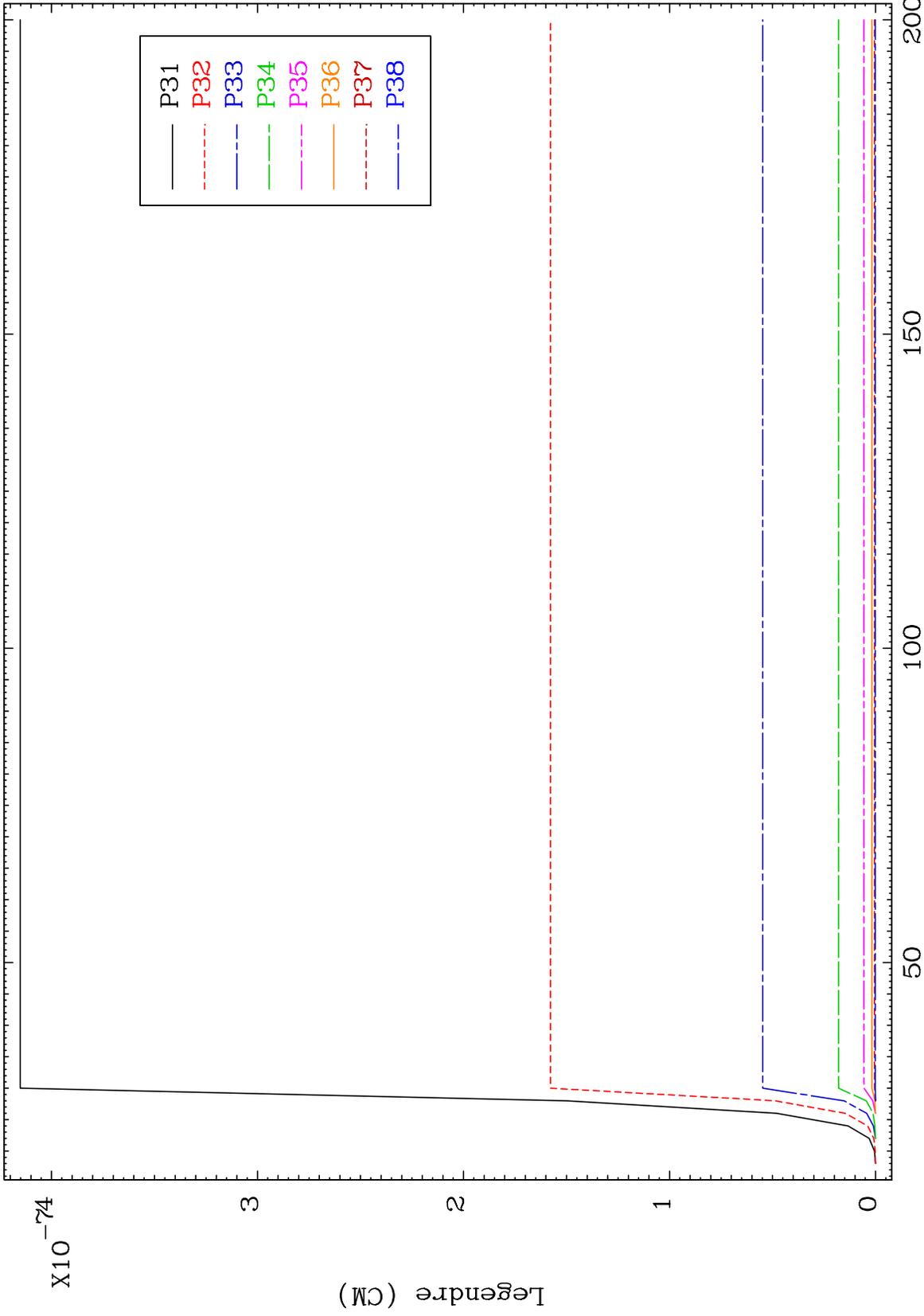
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83-Bi-202

MAT 8304

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

83-Bi-202



102

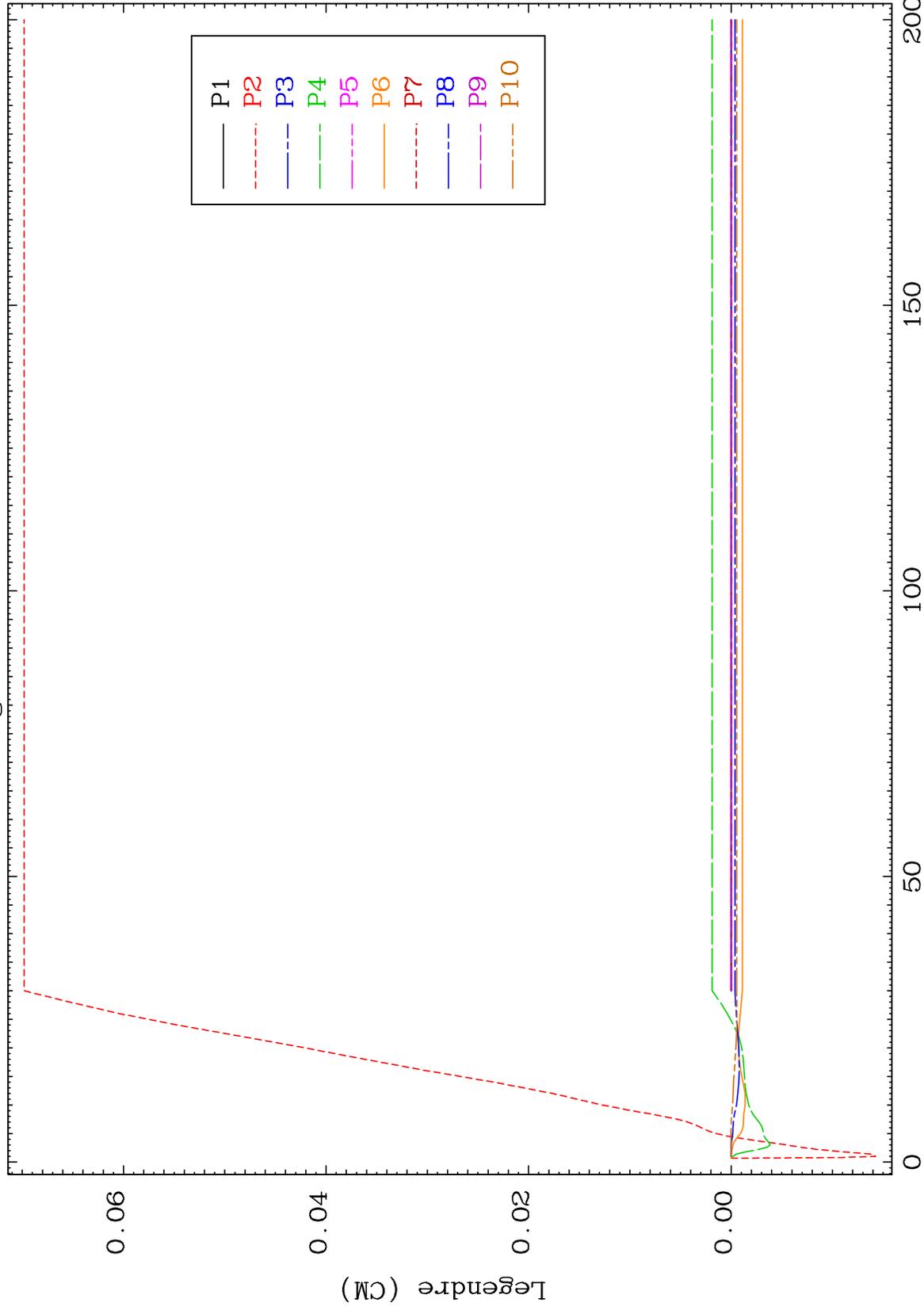
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



103

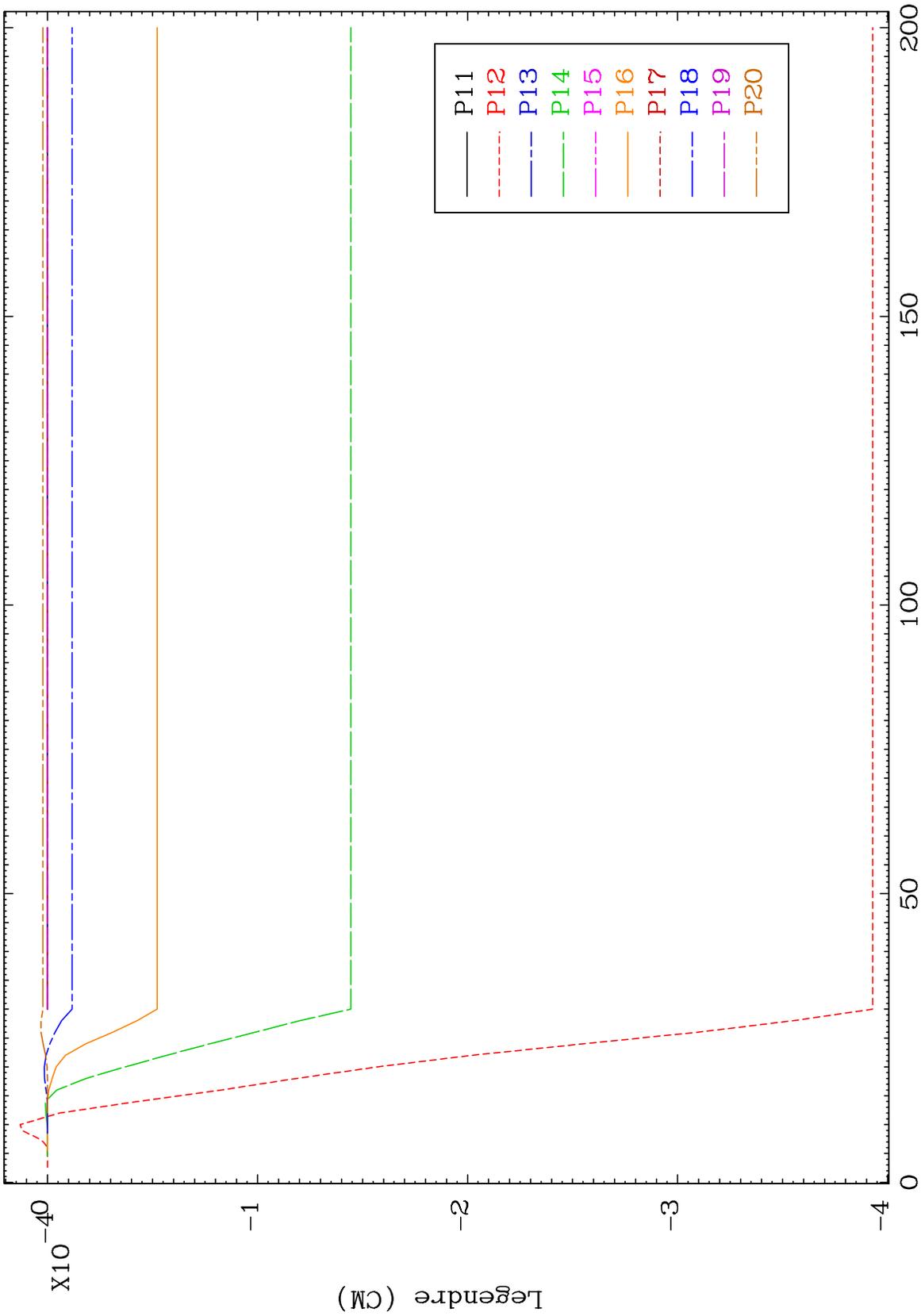
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



104

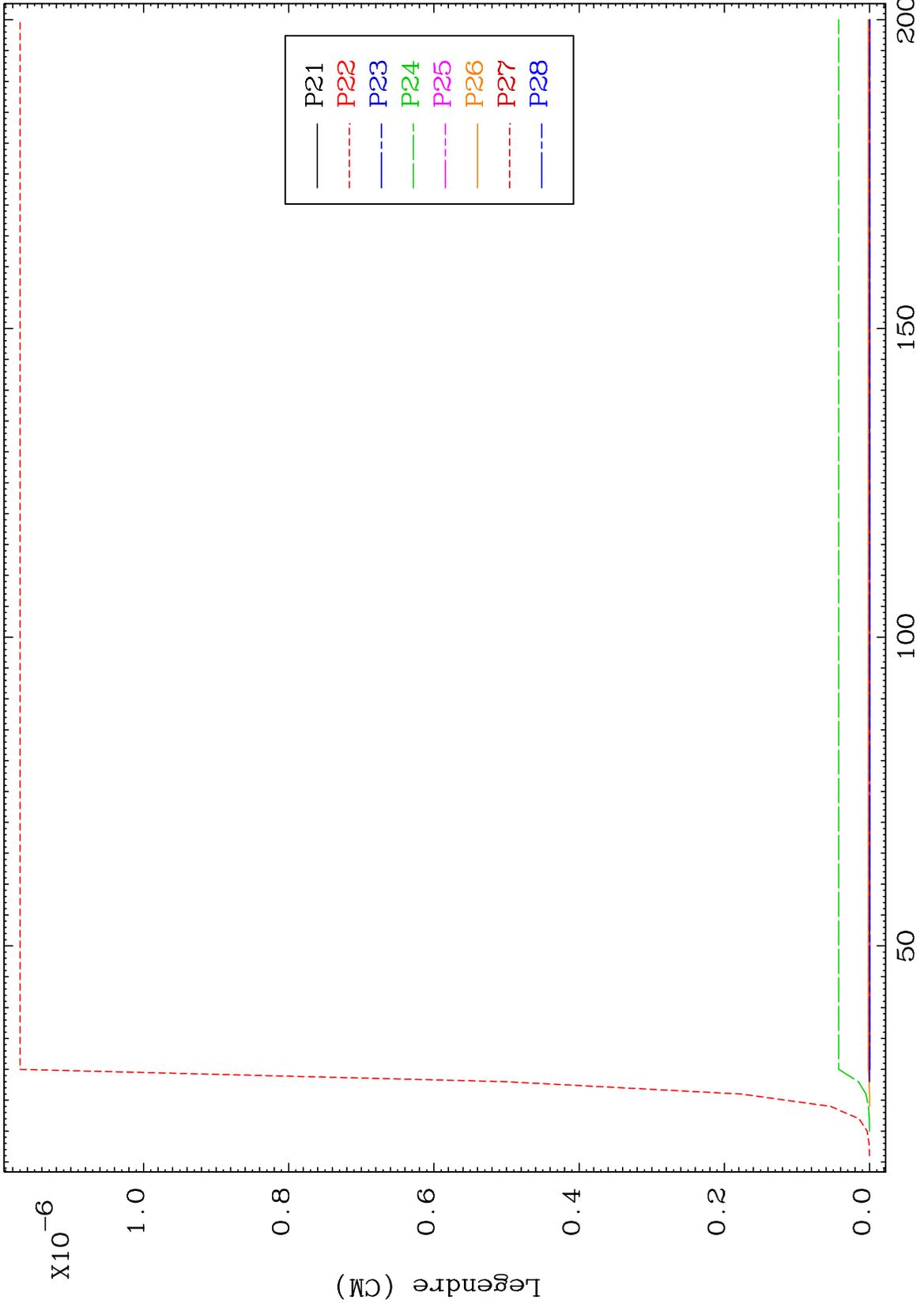
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



105

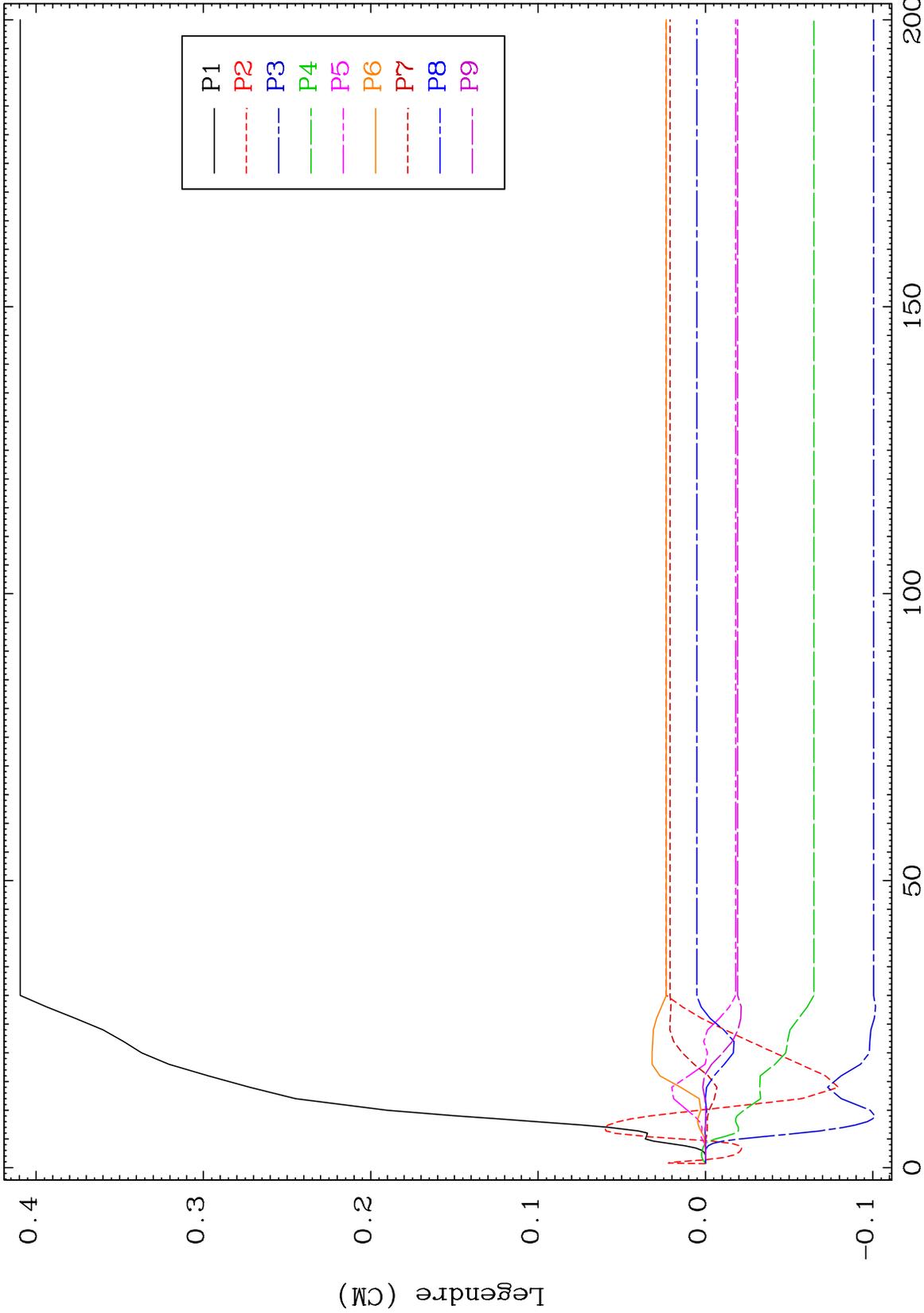
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



83-Bi-202

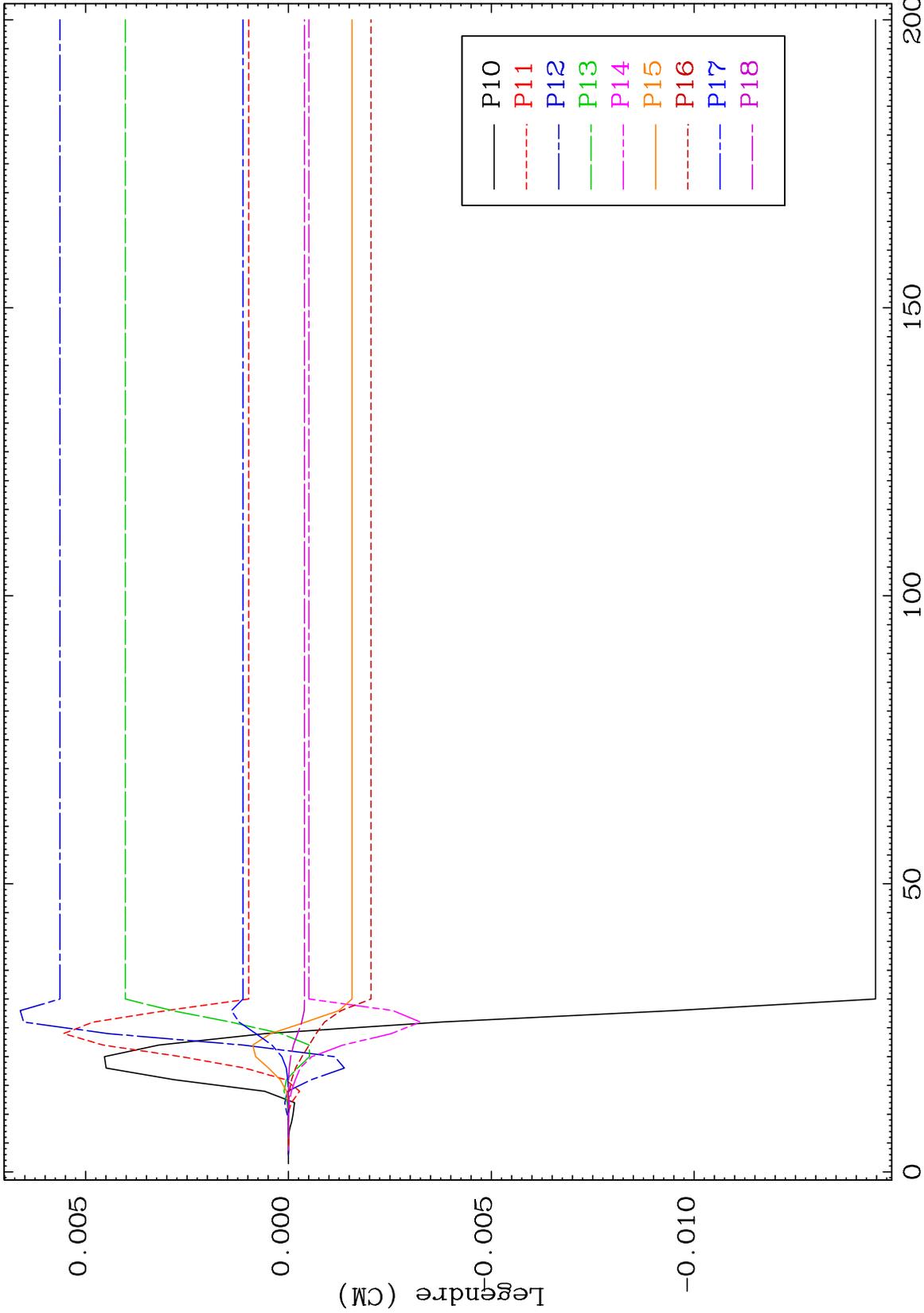
Incident Energy (MeV)

106

MAT 8304

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

83-Bi-202



107

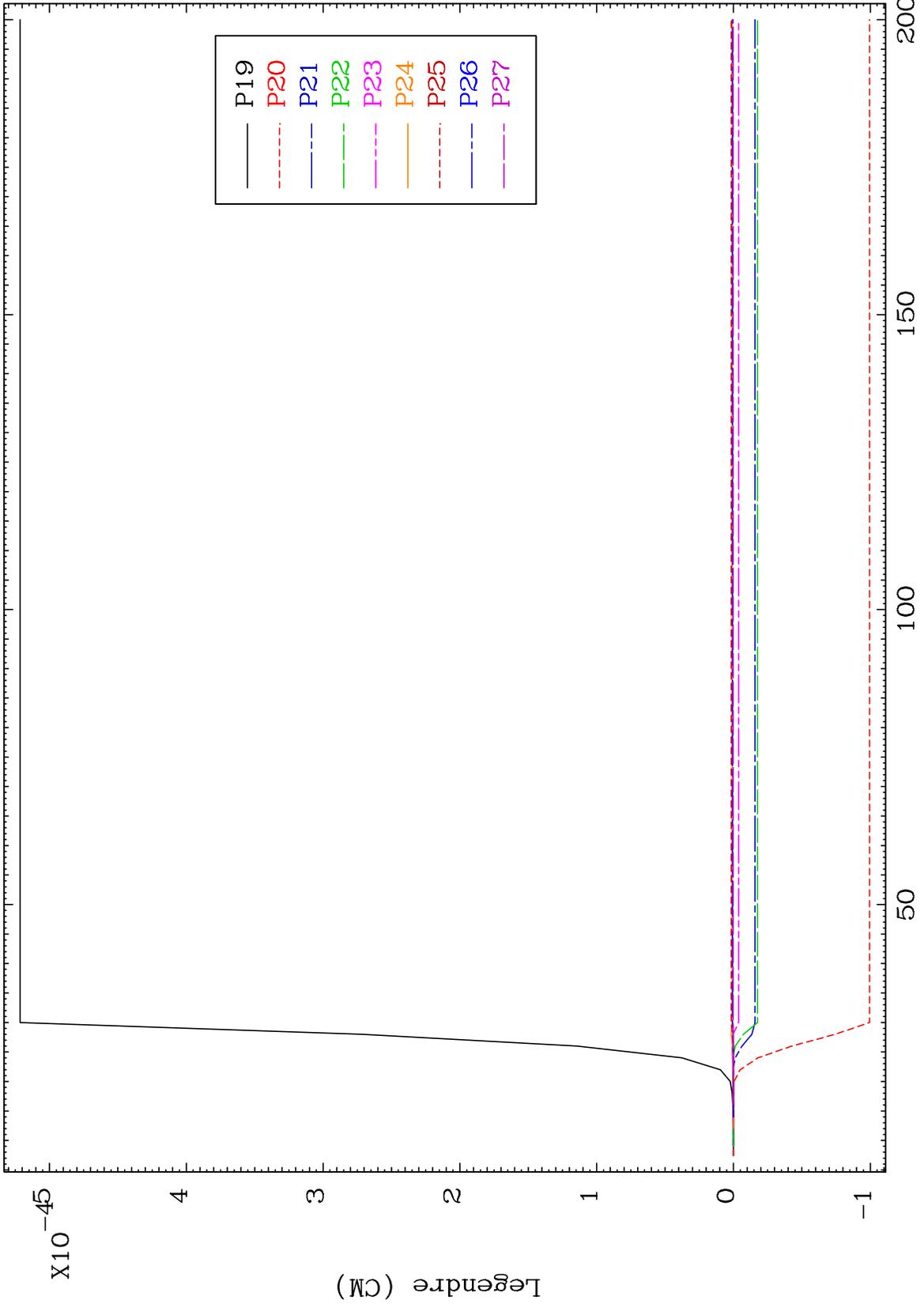
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



108

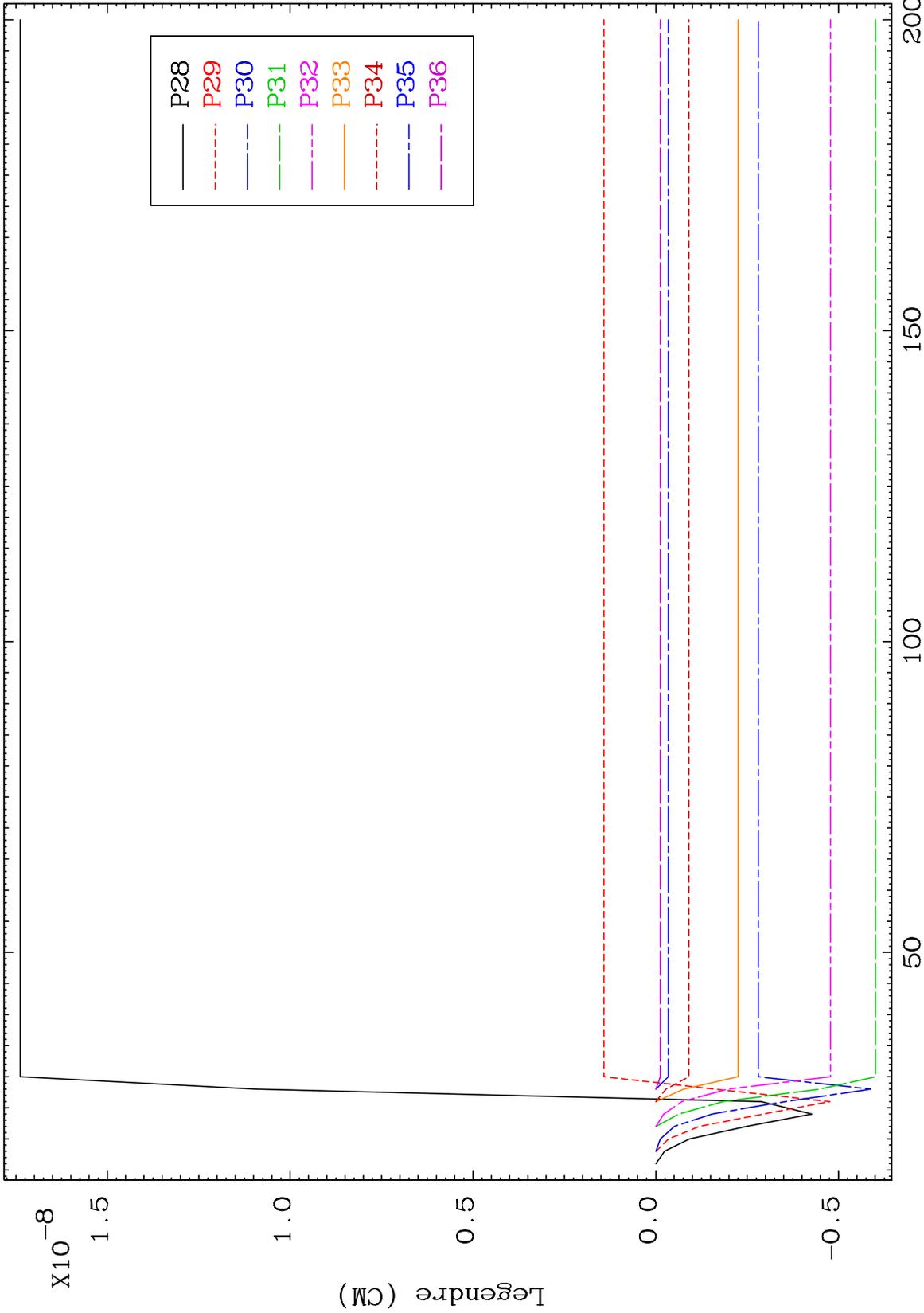
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



109

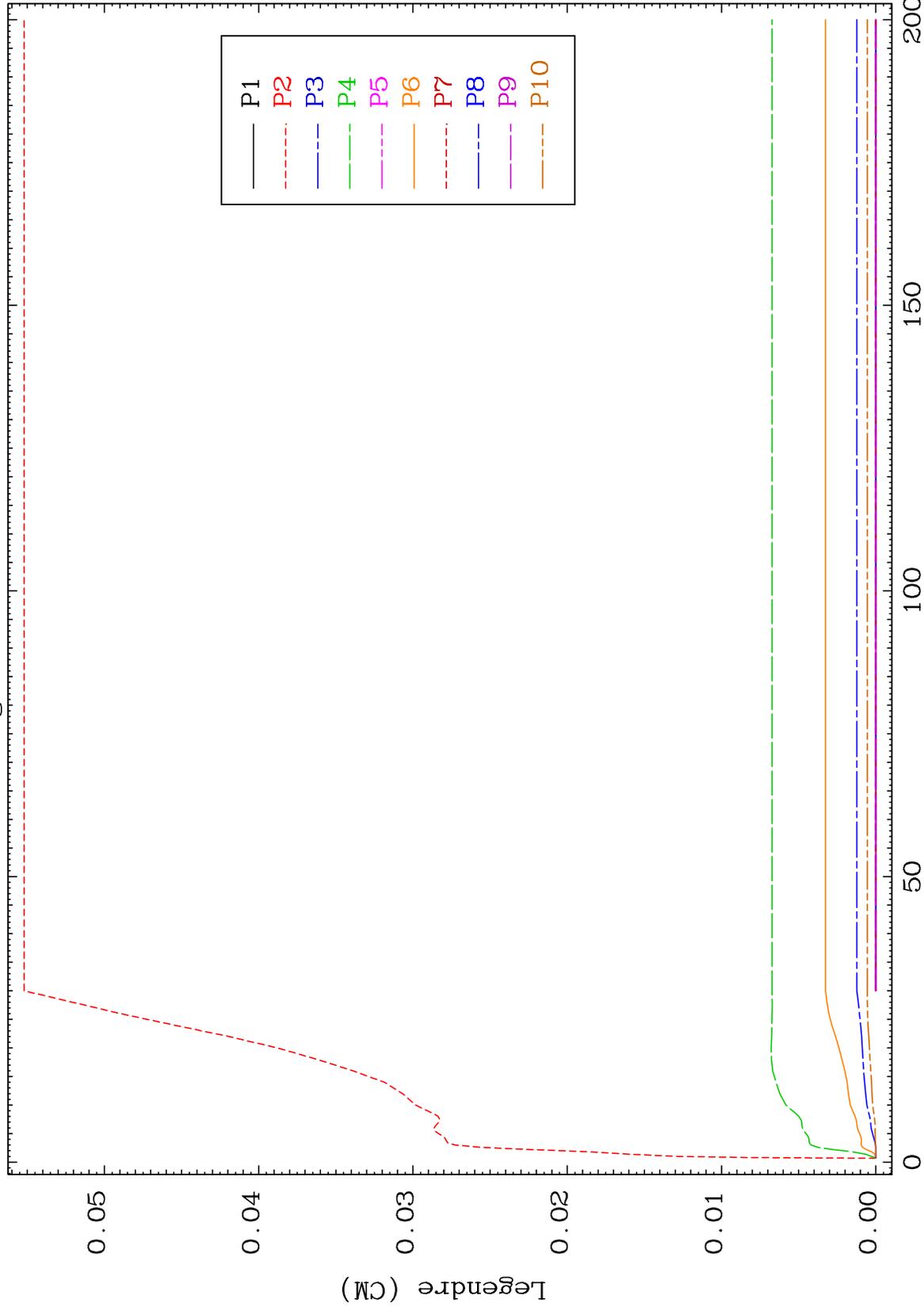
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



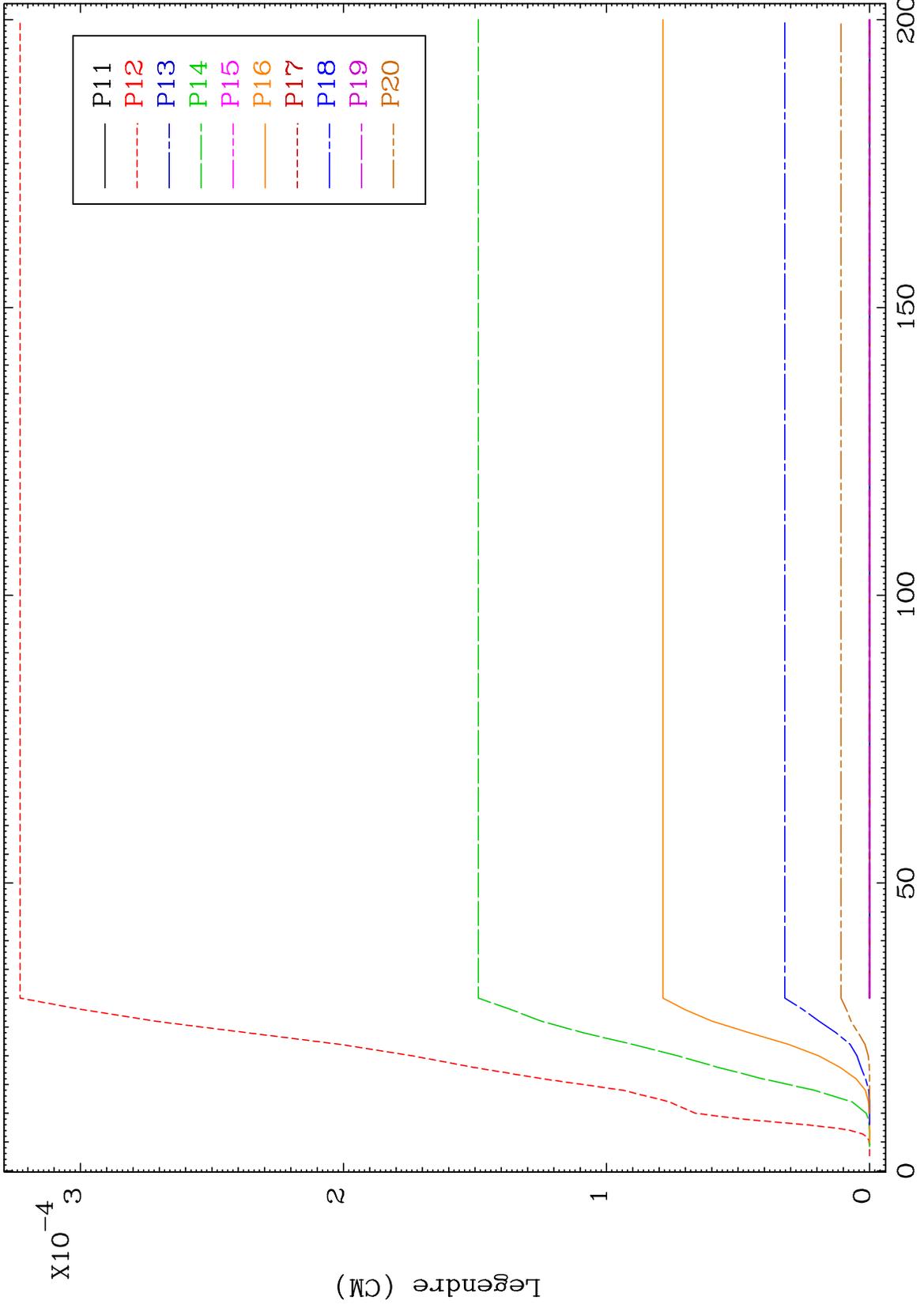
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83-Bi-202

MAT 8304

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

83-Bi-202



111

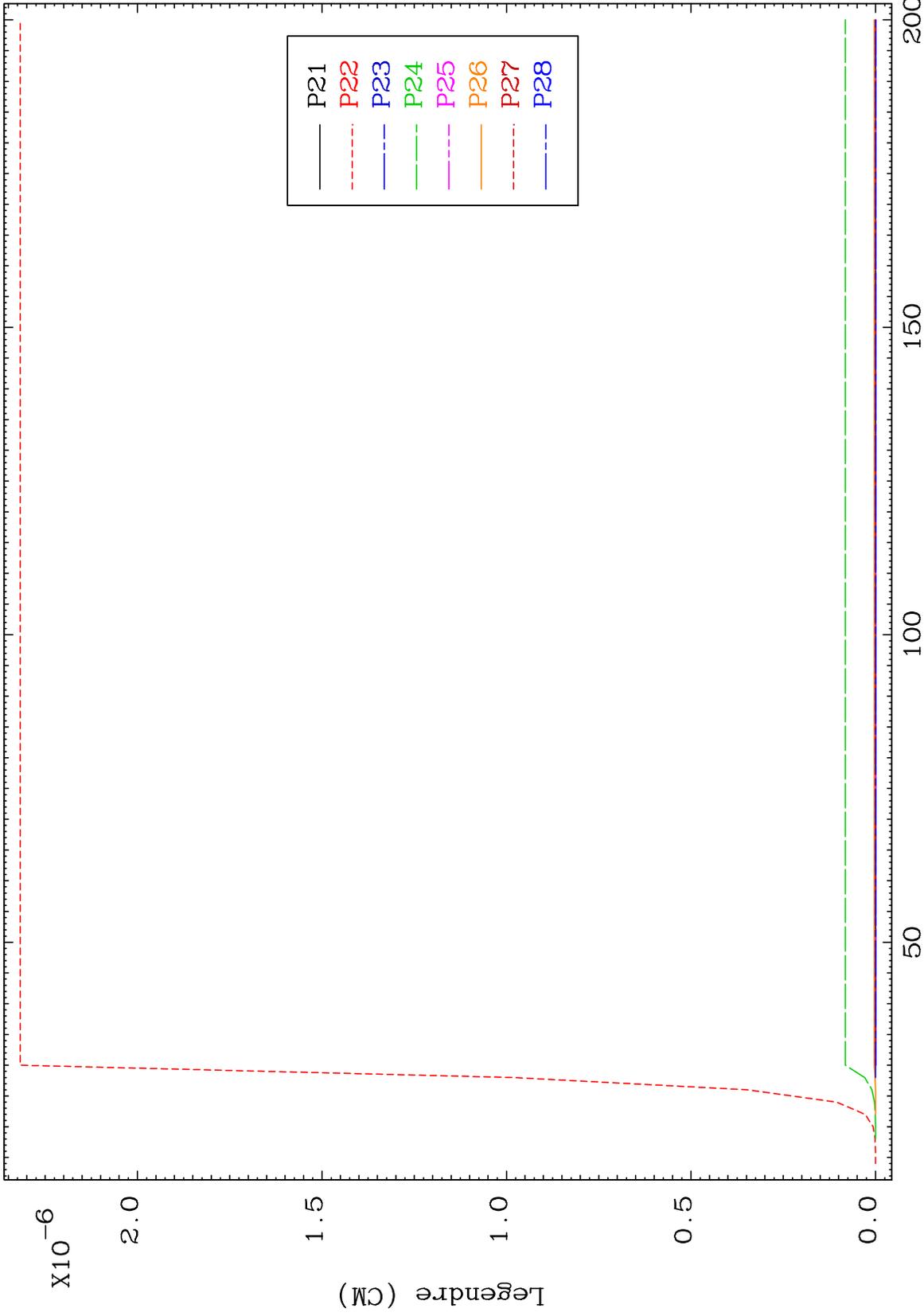
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



112

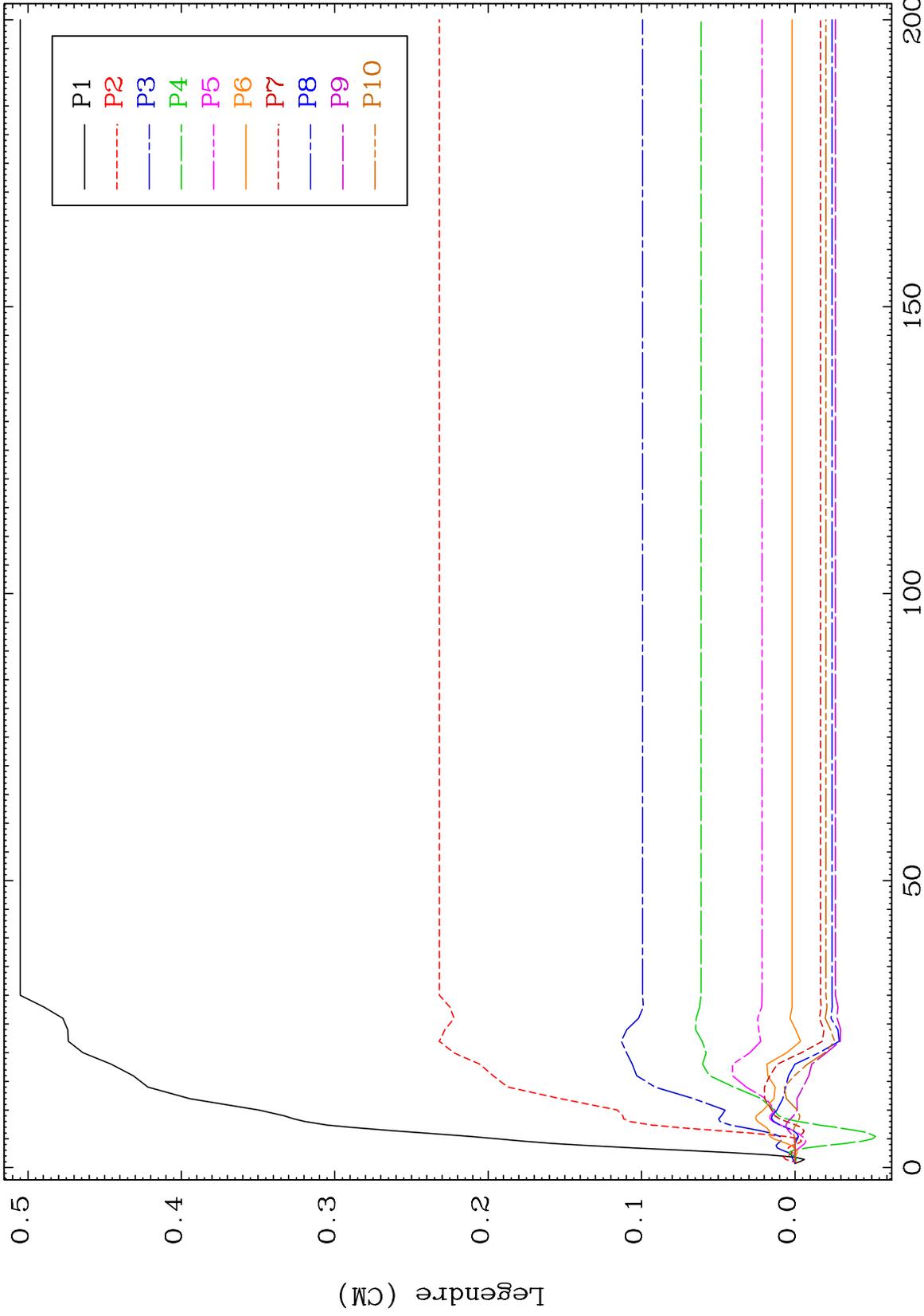
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



113

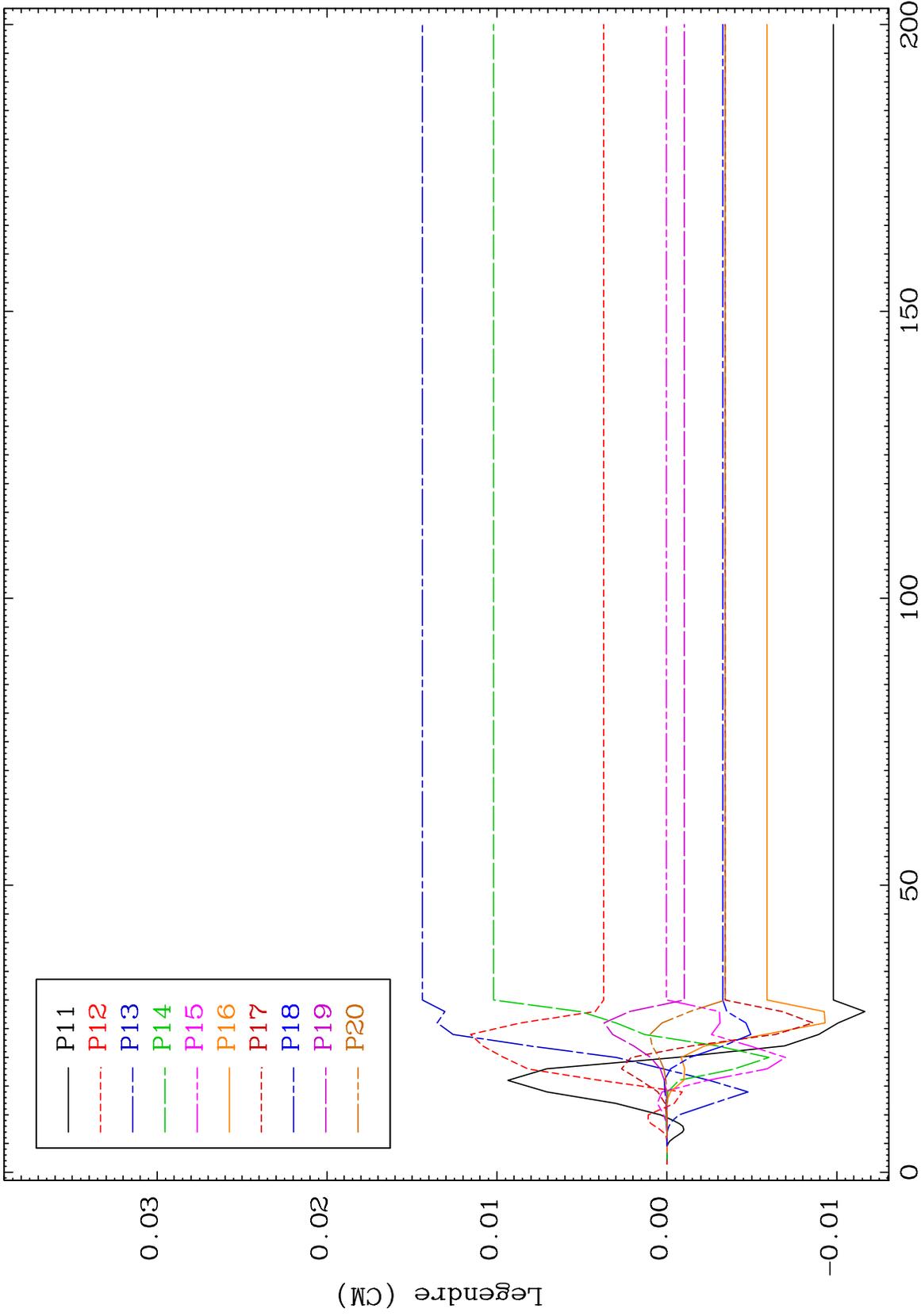
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



114

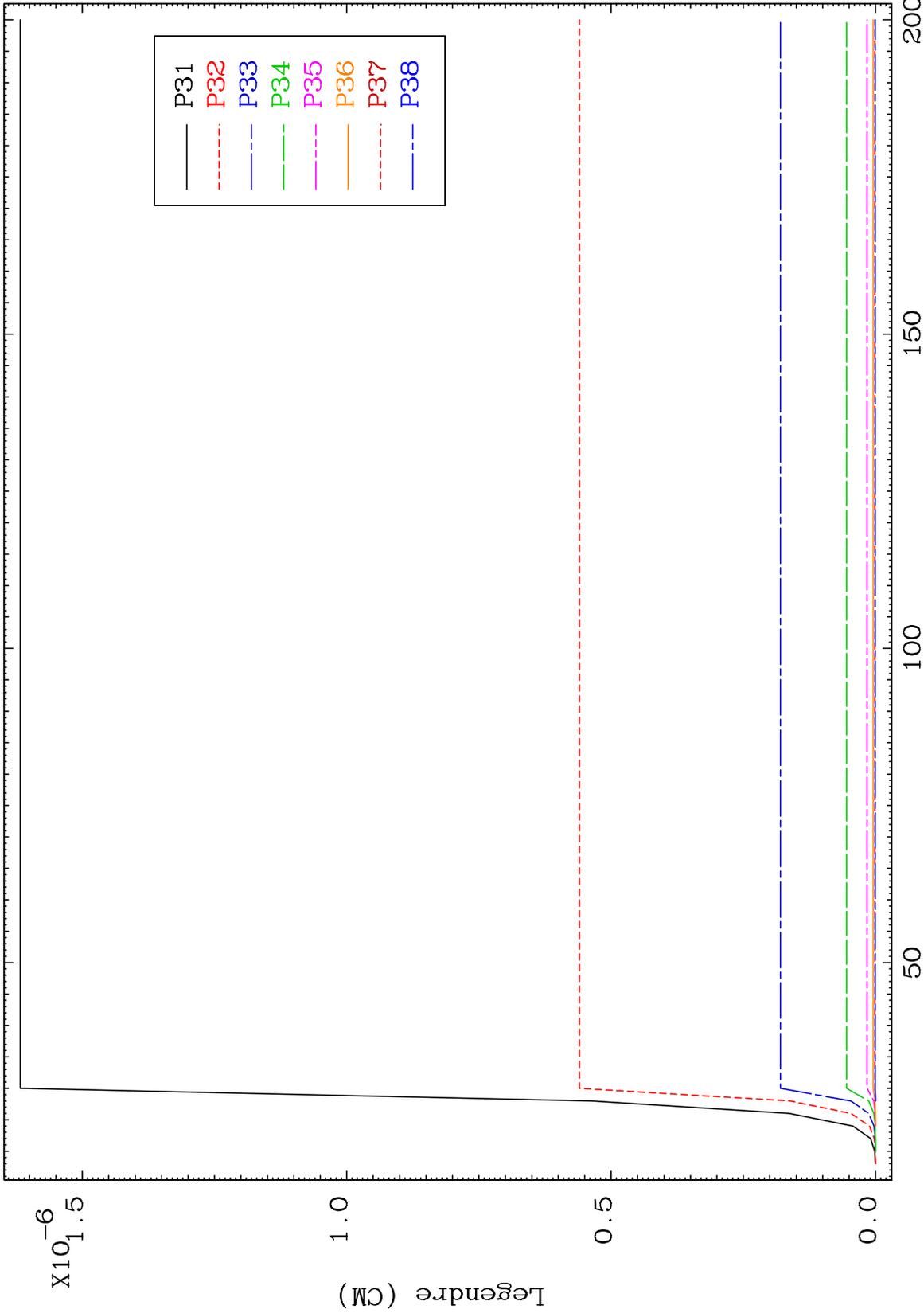
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



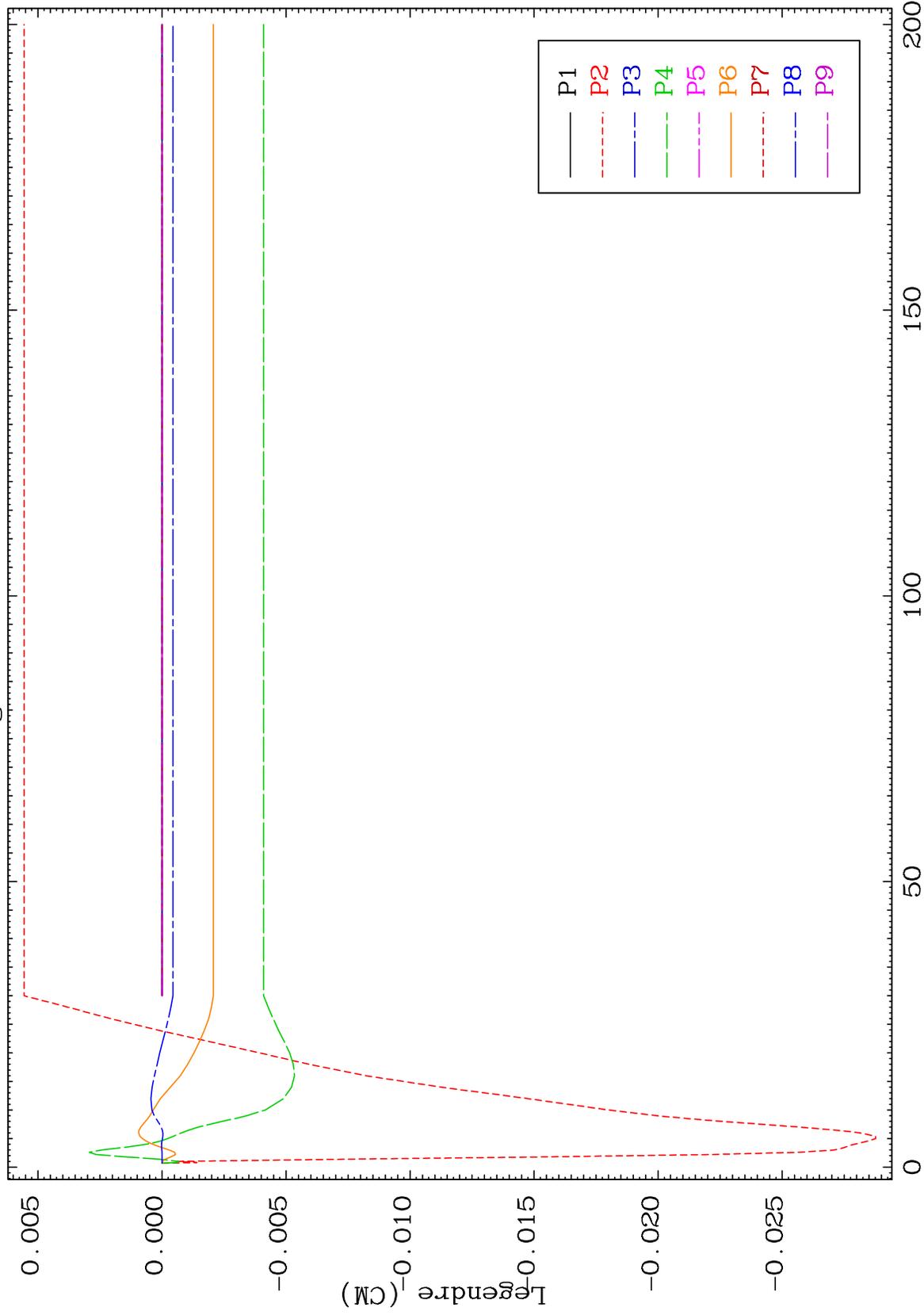
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83-Bi-202

MAT 8304

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

83-Bi-202



117

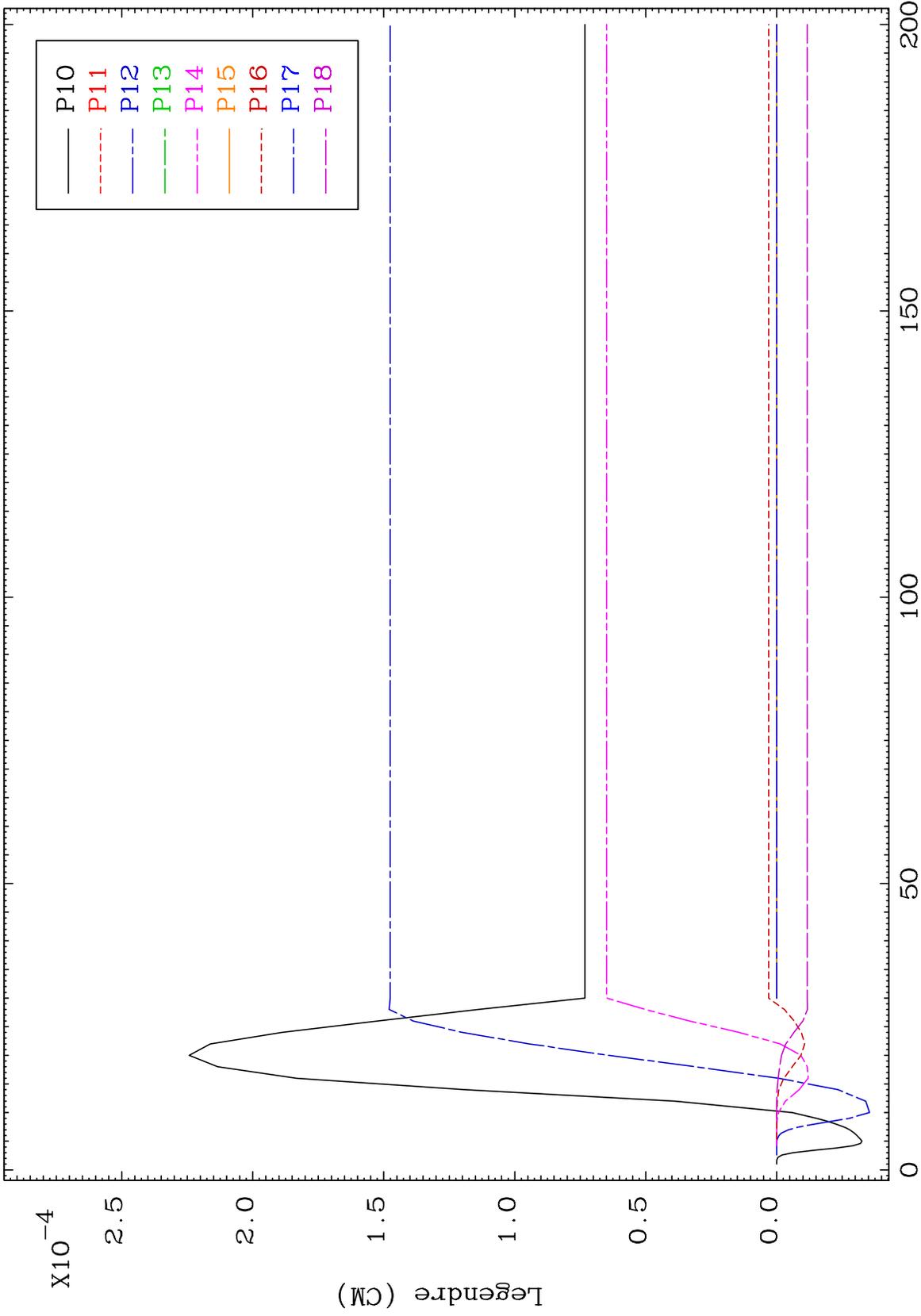
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



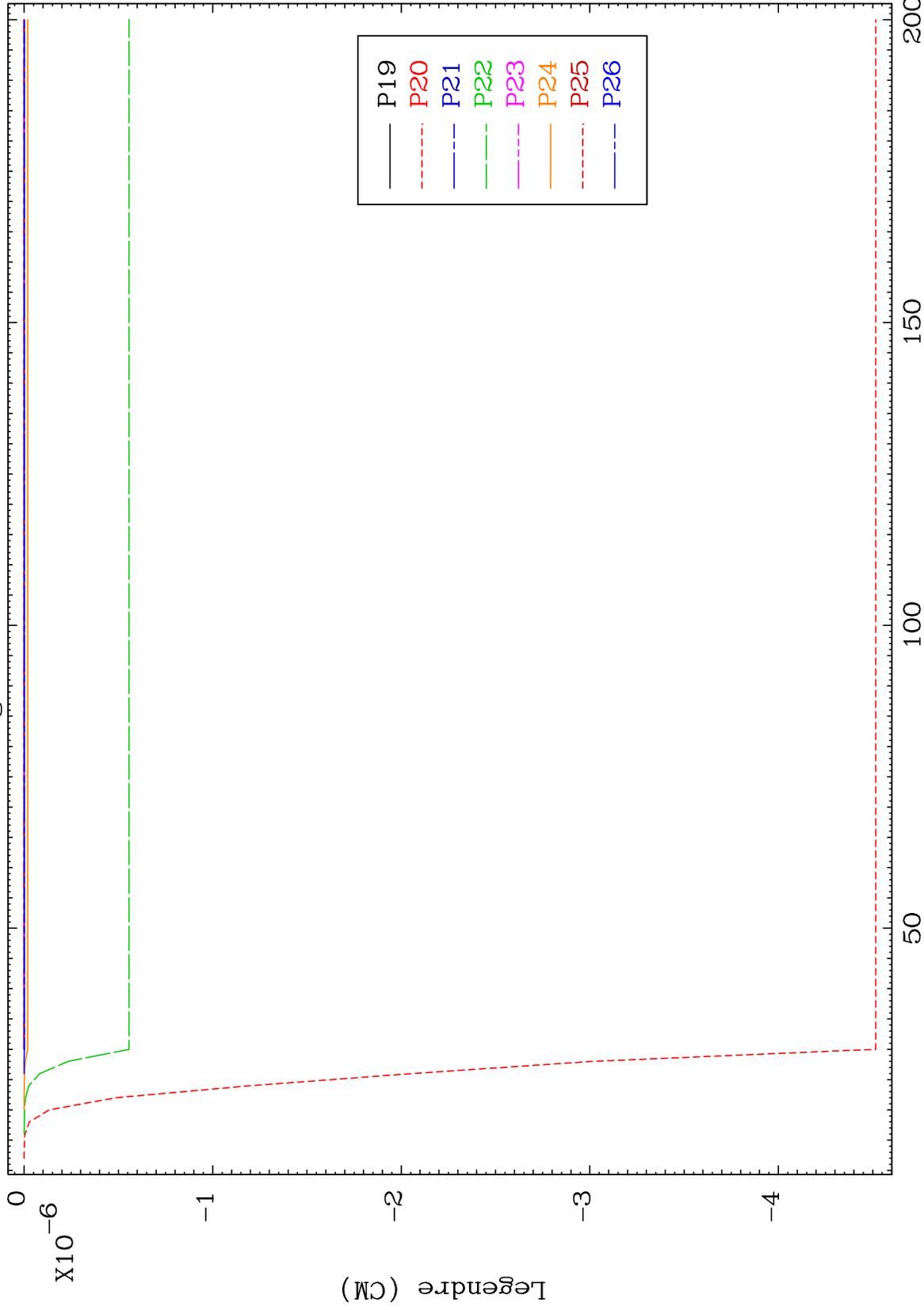
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83-Bi-202

MAT 8304

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

83-Bi-202



119

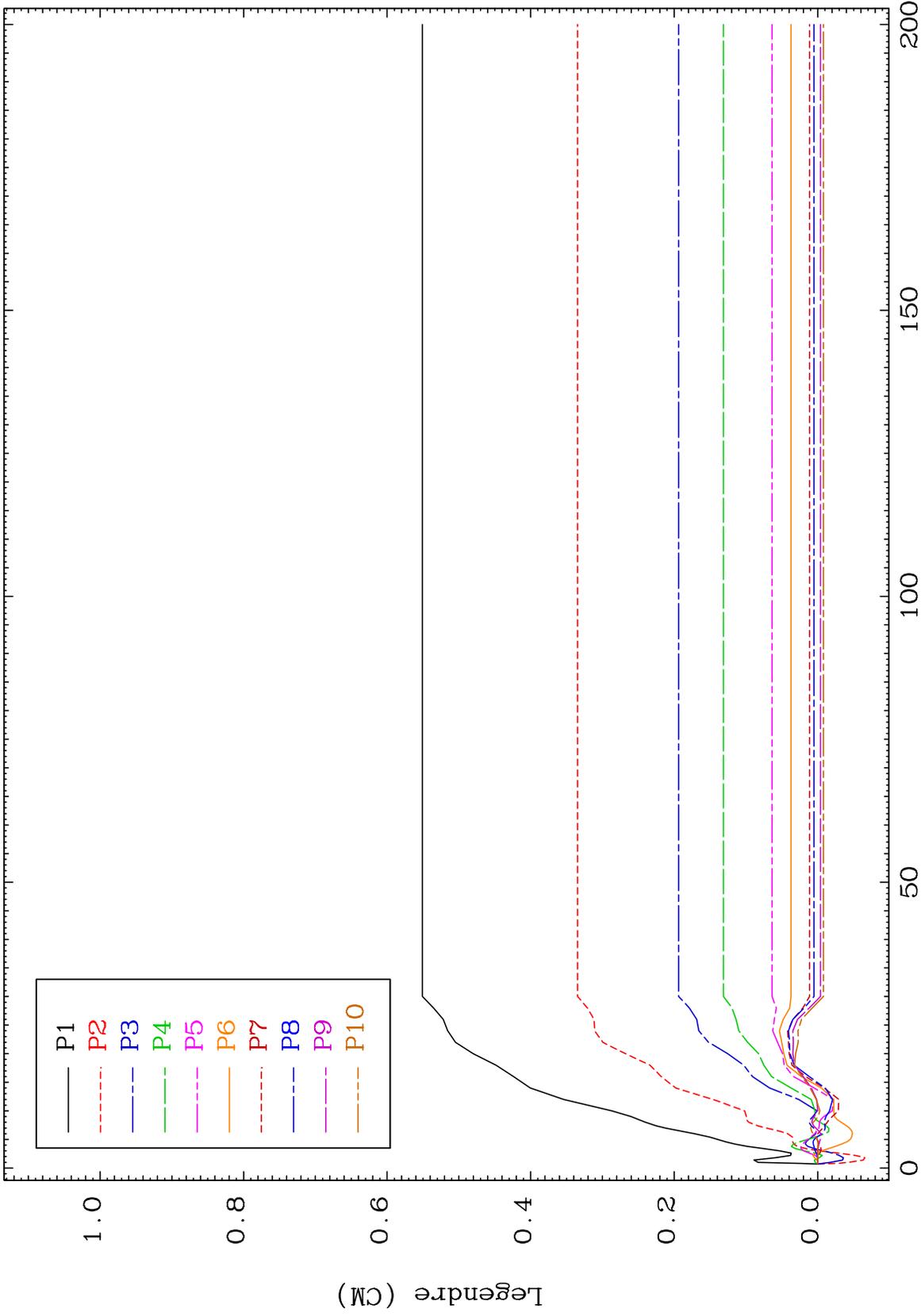
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



83-Bi-202

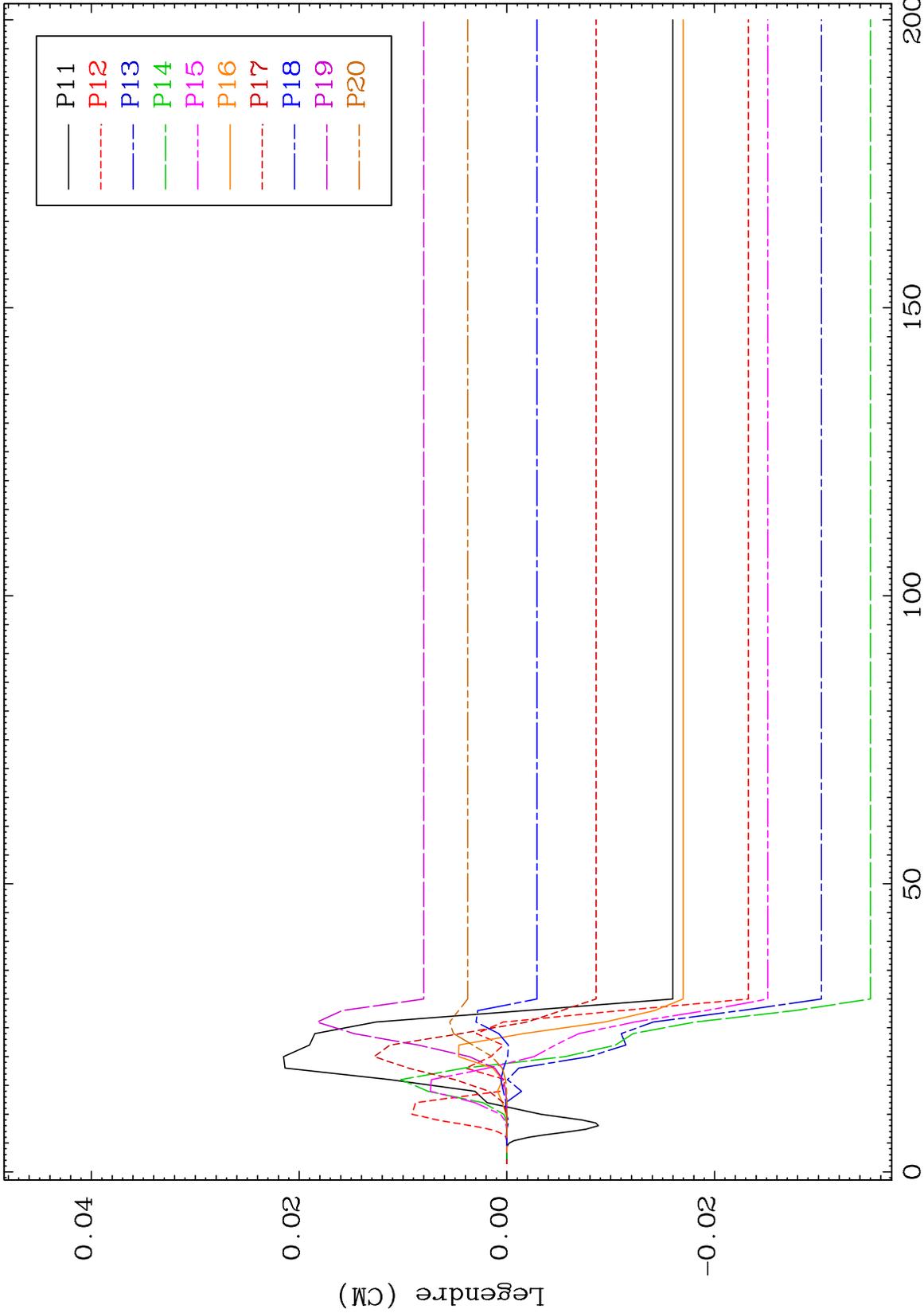
Incident Energy (MeV)

120

MAT 8304

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

83-Bi-202



121

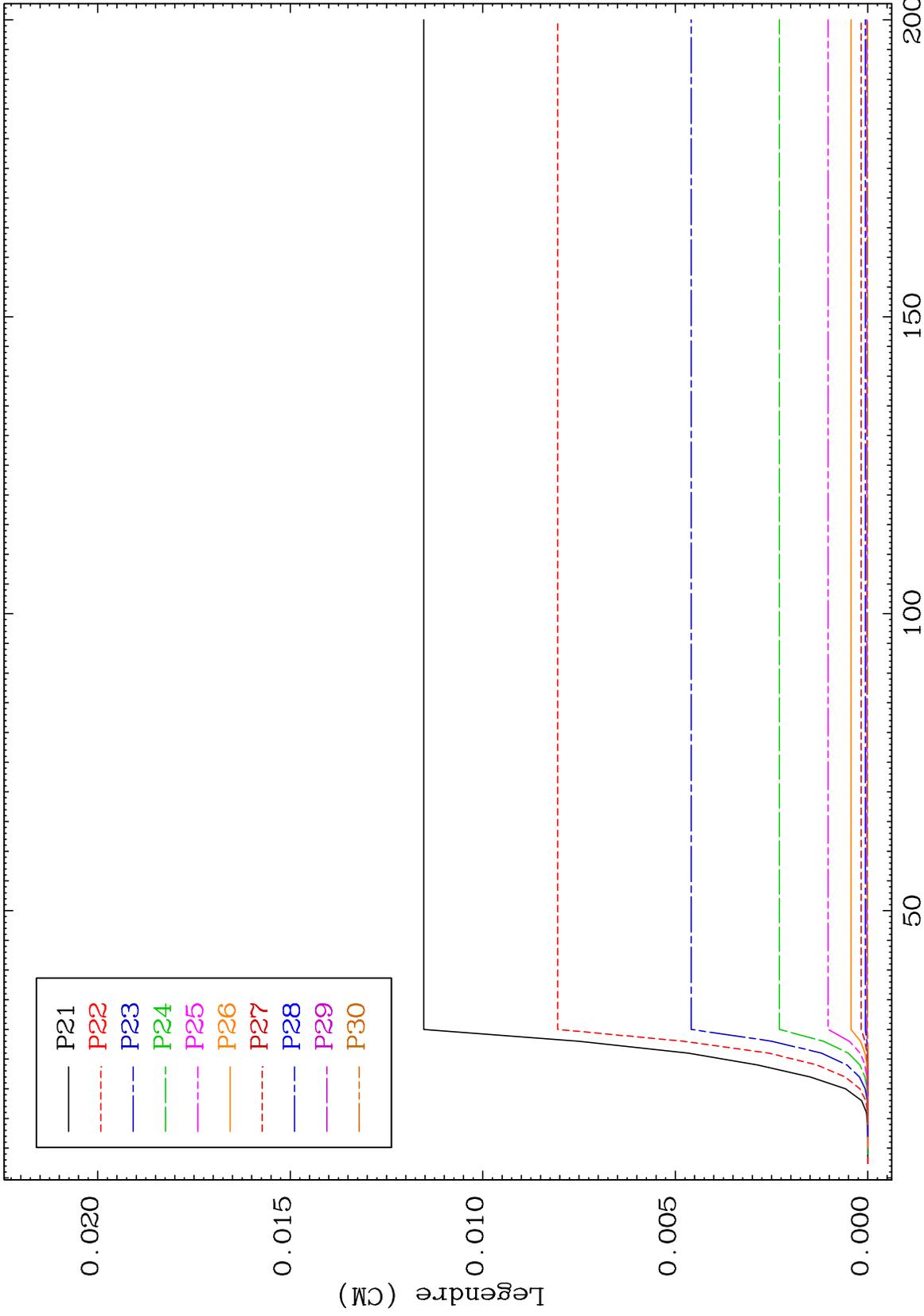
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



122

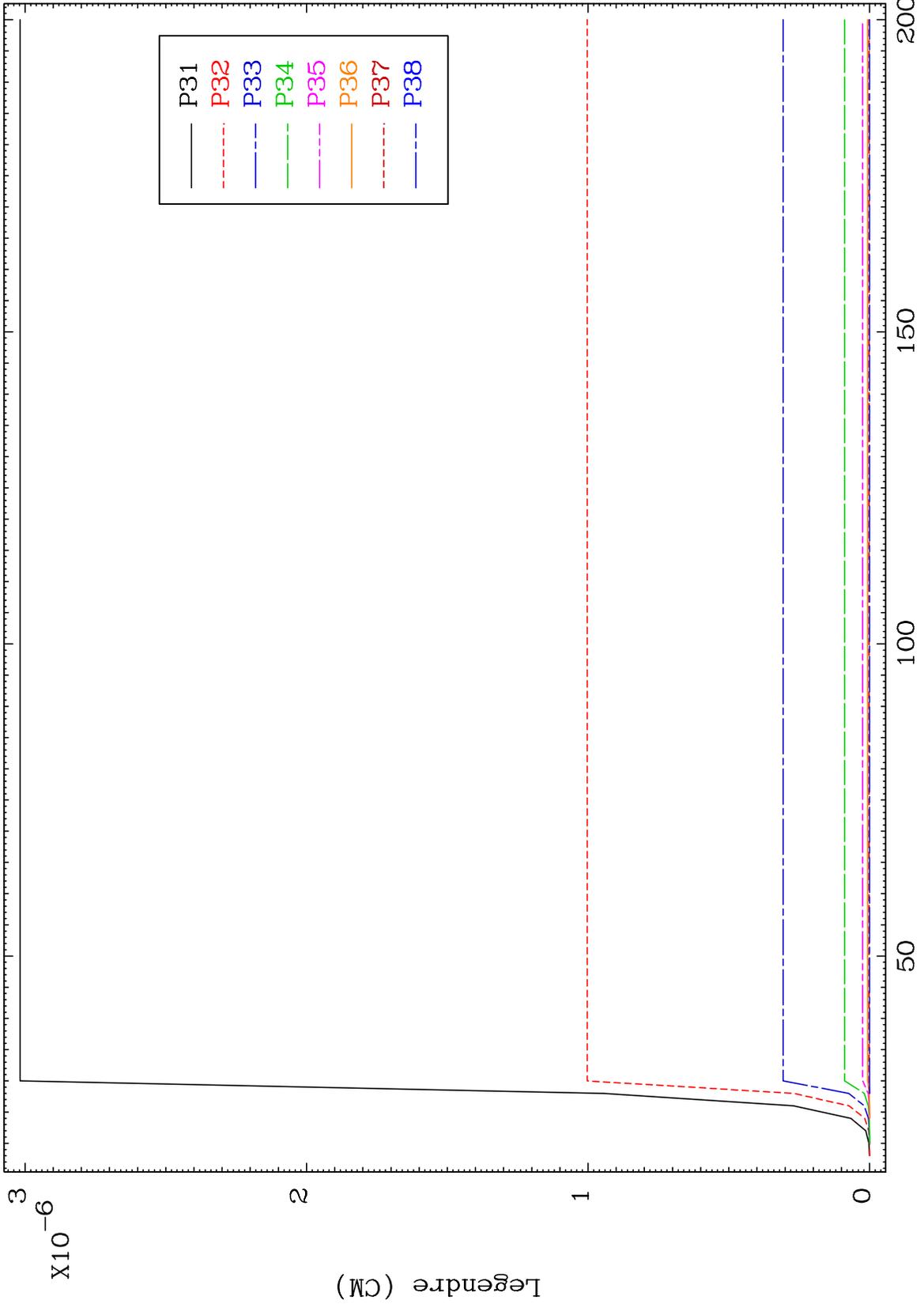
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



123

Incident Energy (MeV)

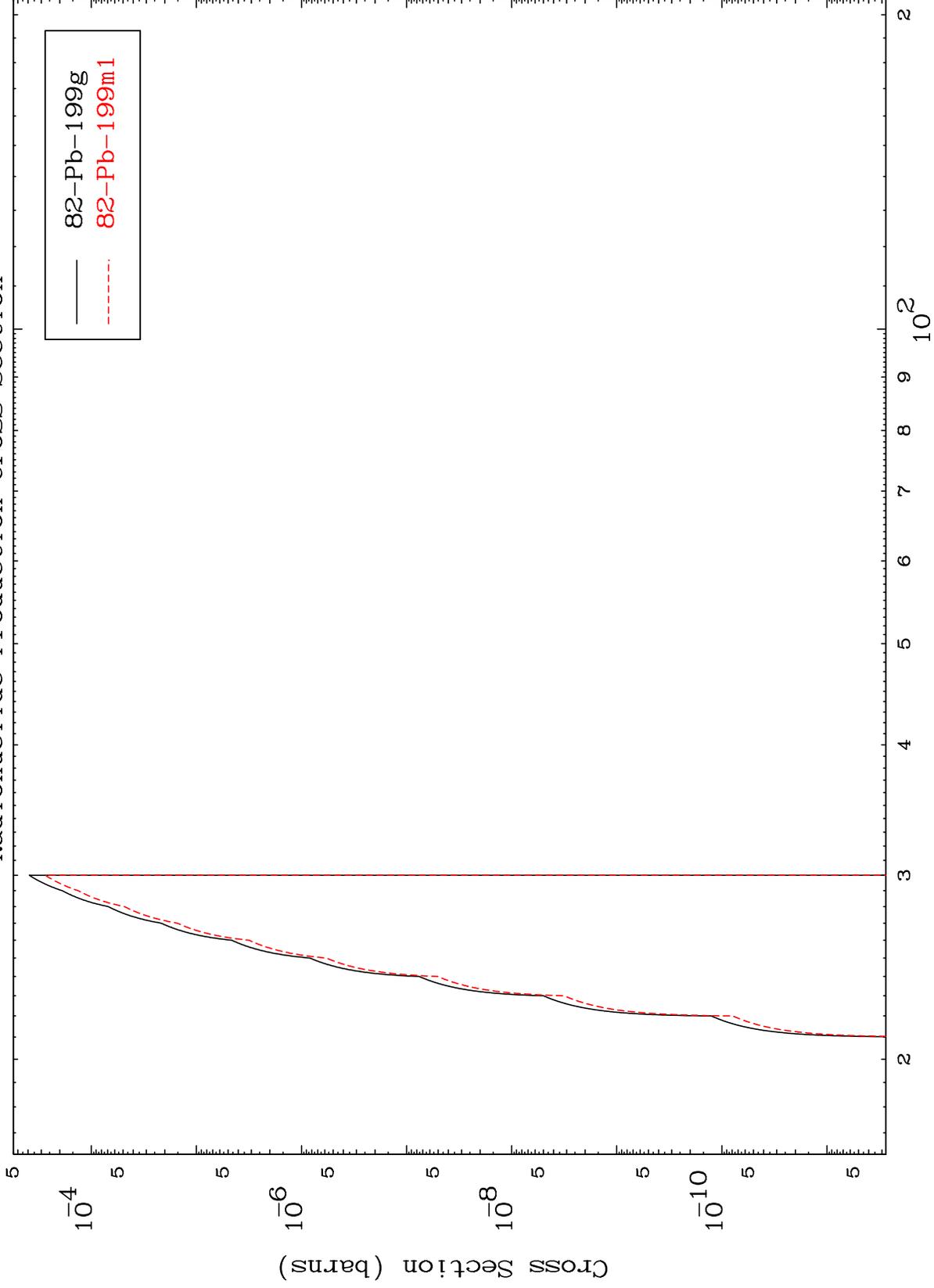
83-Bi-202

MAT 8304

(n,2n) d

83-Bi-202

Radionuclide Production Cross Section



124

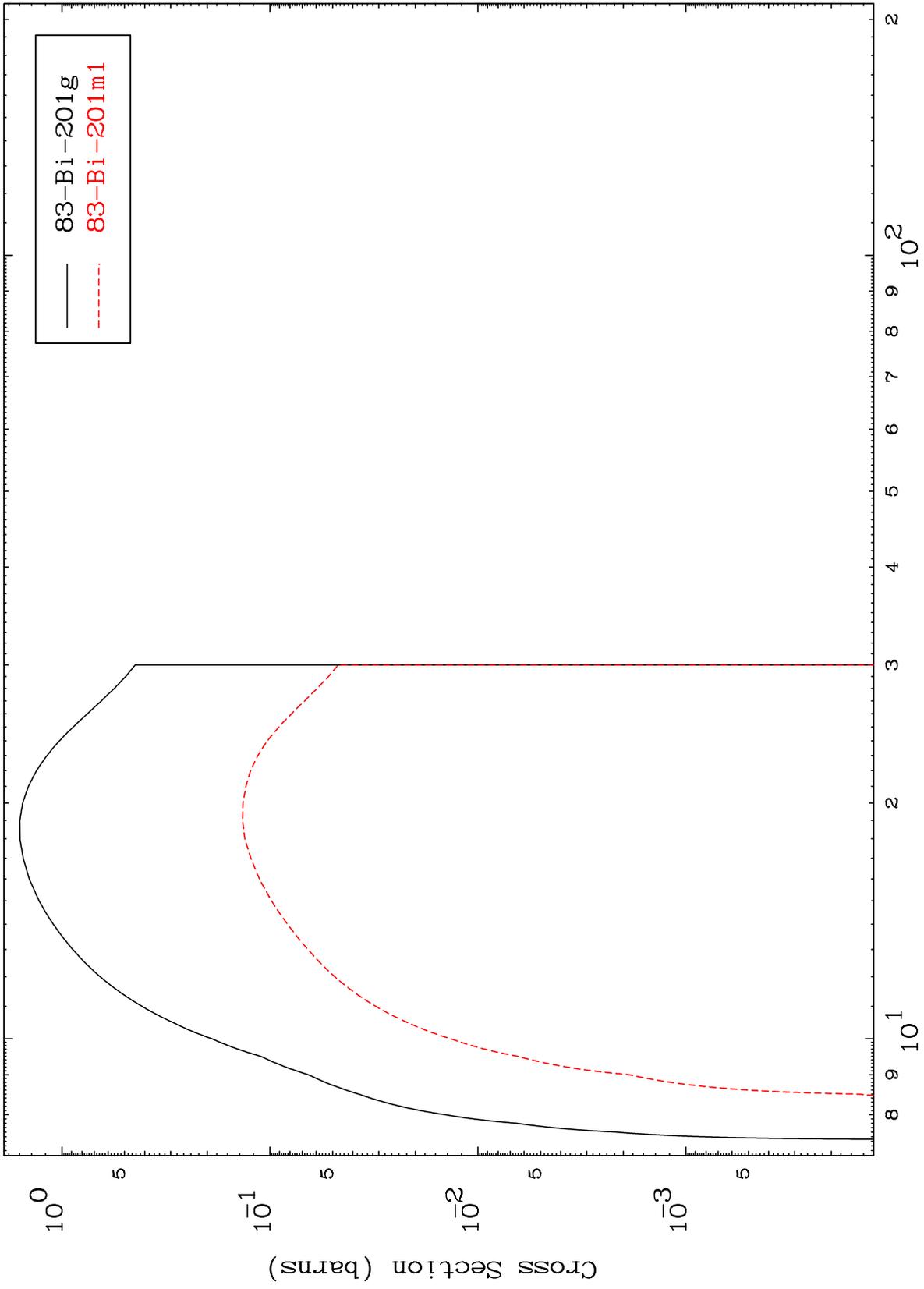
Incident Energy (MeV)

83-Bi-202

MAT 8304

83-Bi-202

(n,2n)
Radionuclide Production Cross Section



125

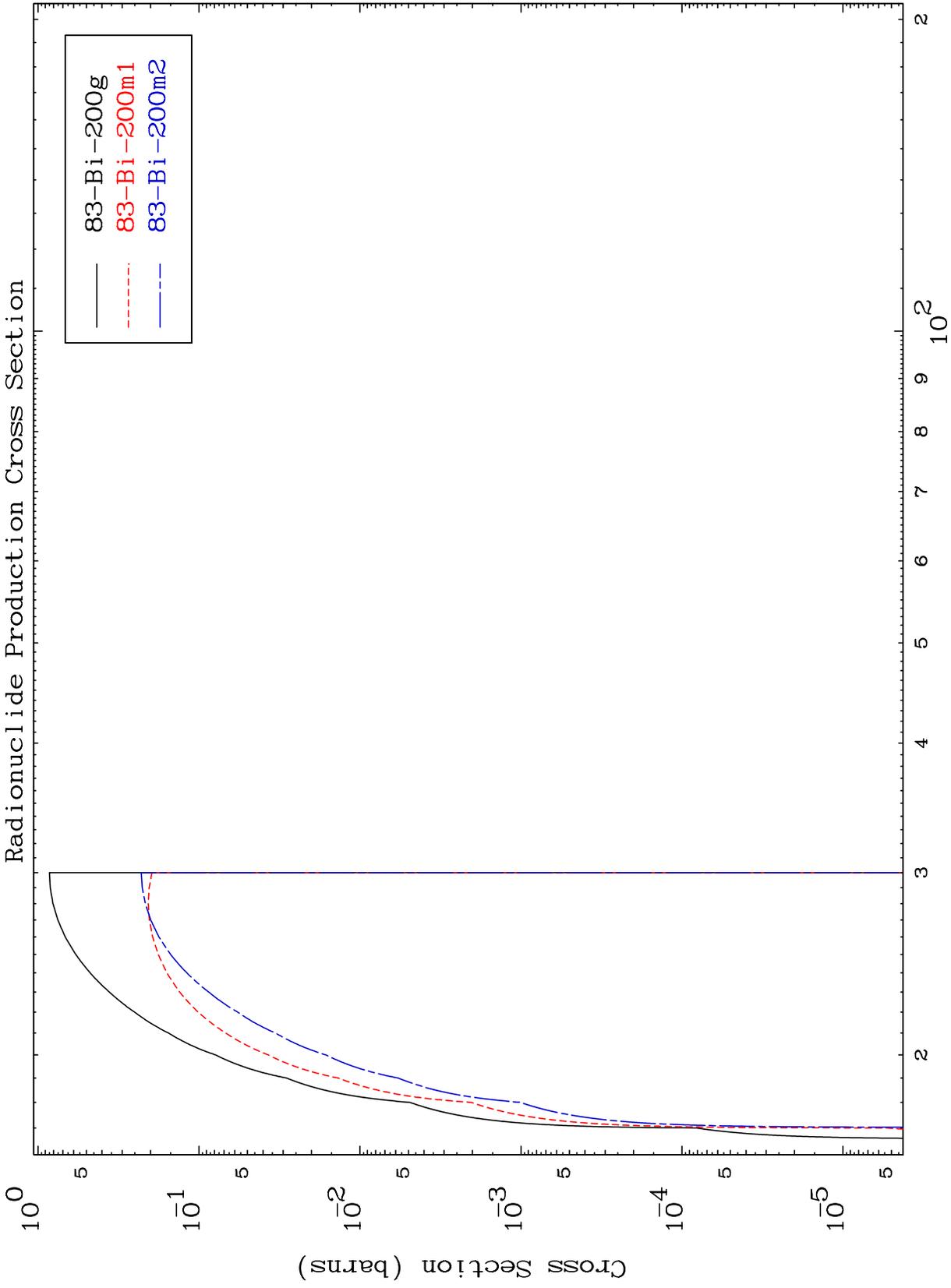
Incident Energy (MeV)

83-Bi-202

MAT 8304

83-Bi-202

(n,3n)
Radionuclide Production Cross Section



126

83-Bi-202

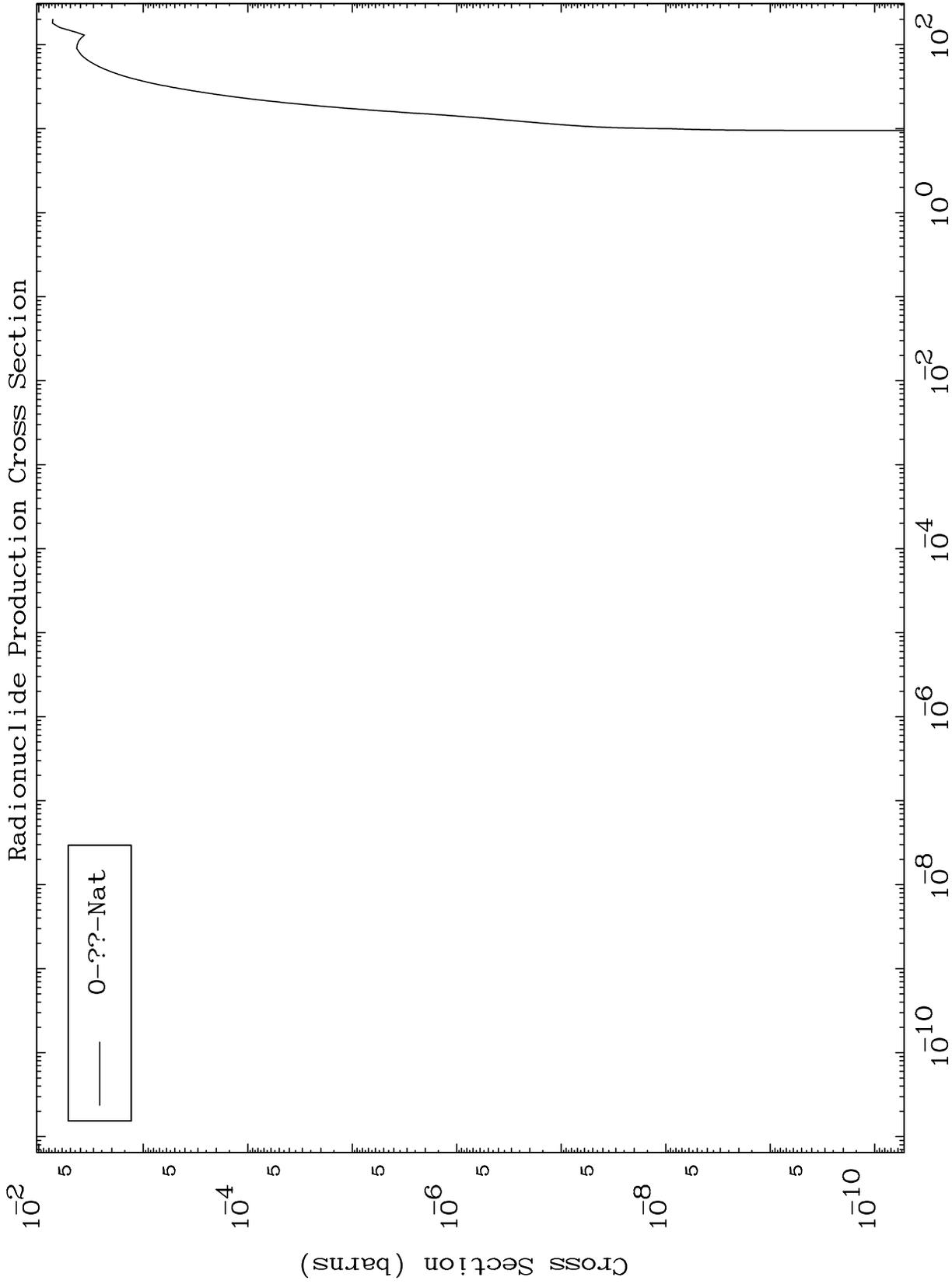
Incident Energy (MeV)

MAT 8304

Fission

83-Bi-202

Radionuclide Production Cross Section



127

Incident Energy (MeV)

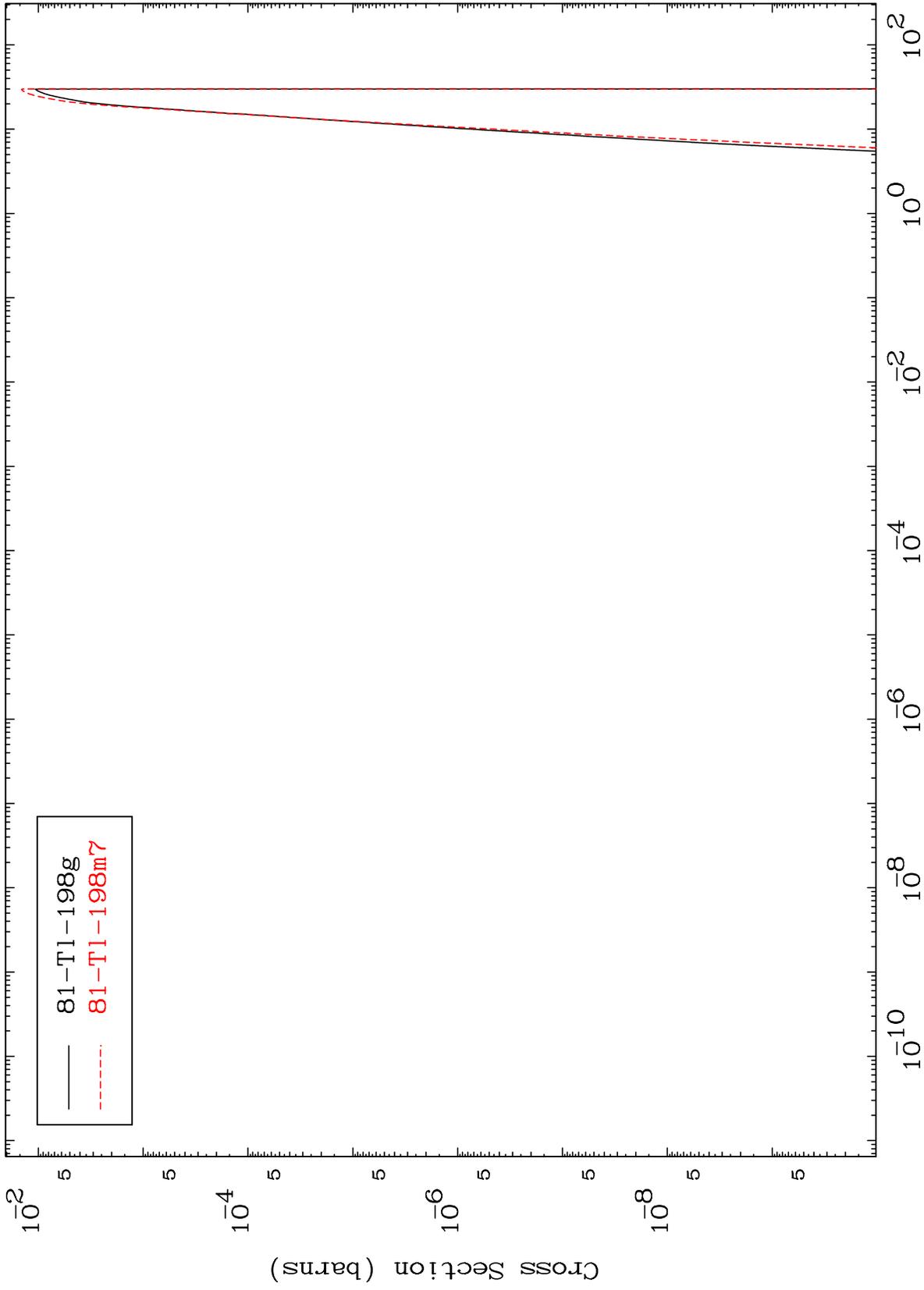
83-Bi-202

MAT 8304

(n,n') α

83-Bi-202

Radionuclide Production Cross Section



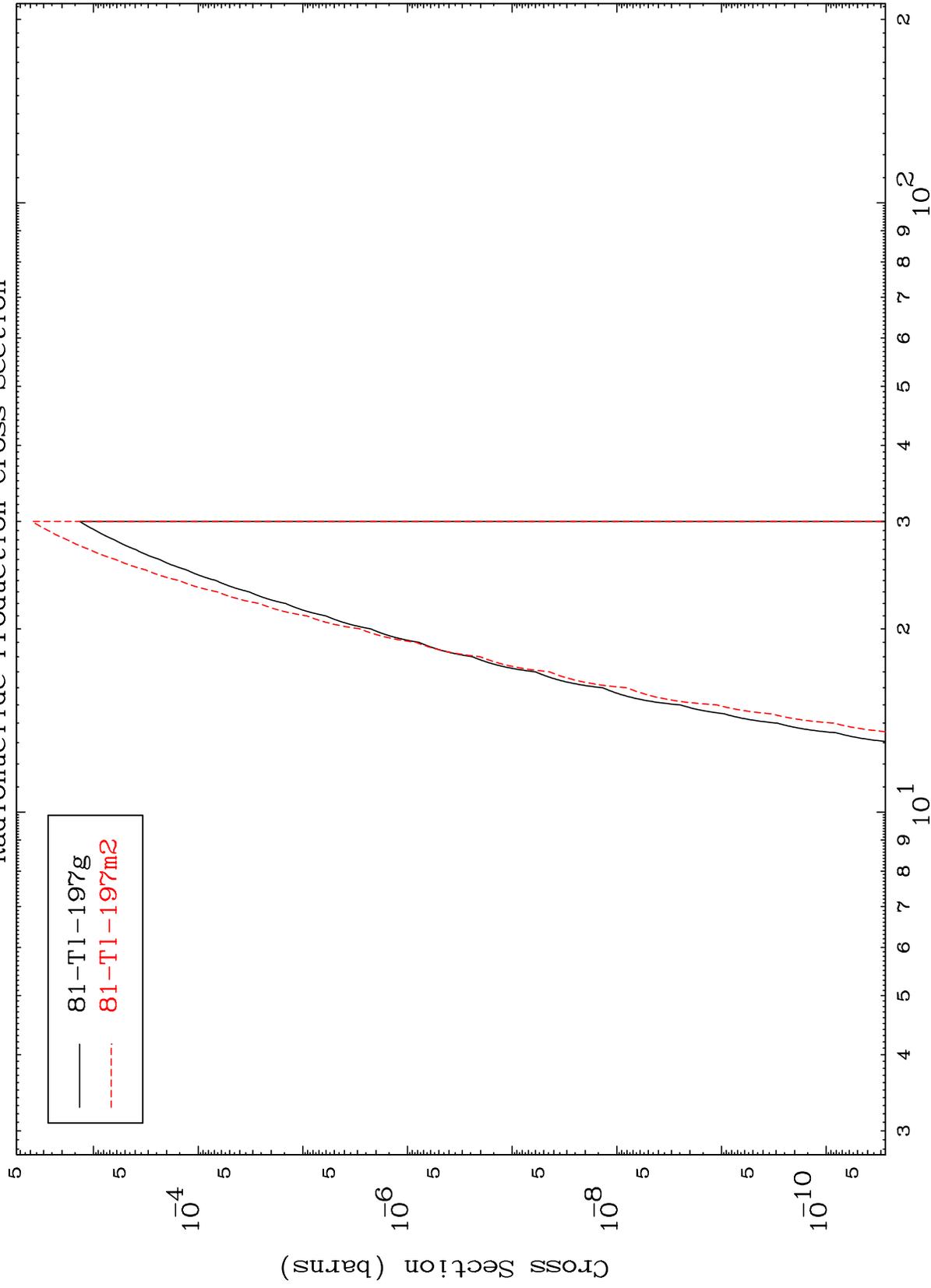
81-Tl-198g
81-Tl-198m7

MAT 8304

(n,2n) α

83-Bi-202

Radionuclide Production Cross Section



129

Incident Energy (MeV)

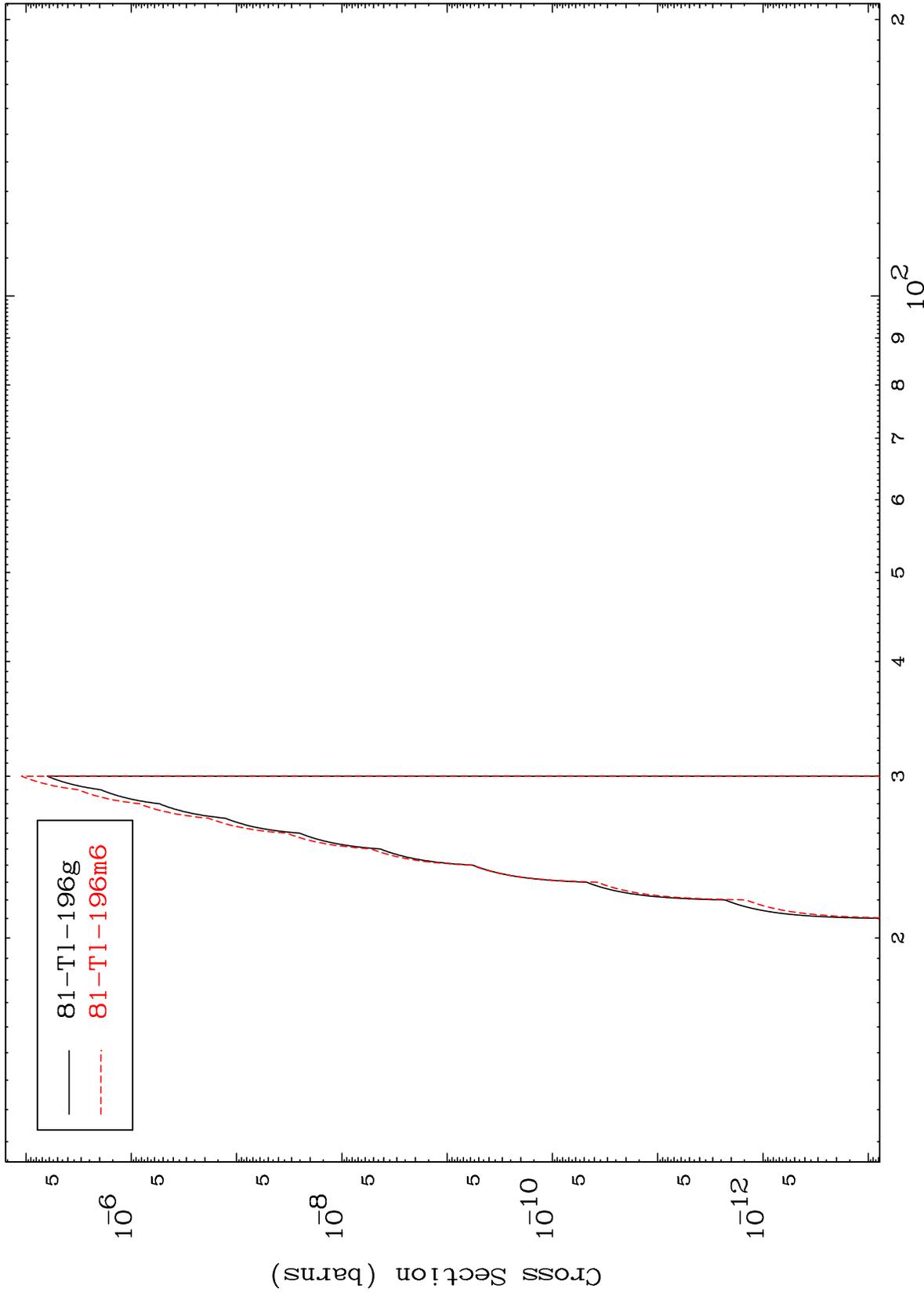
83-Bi-202

MAT 8304

$(n, 3n) \alpha$

83-Bi-202

Radionuclide Production Cross Section



130

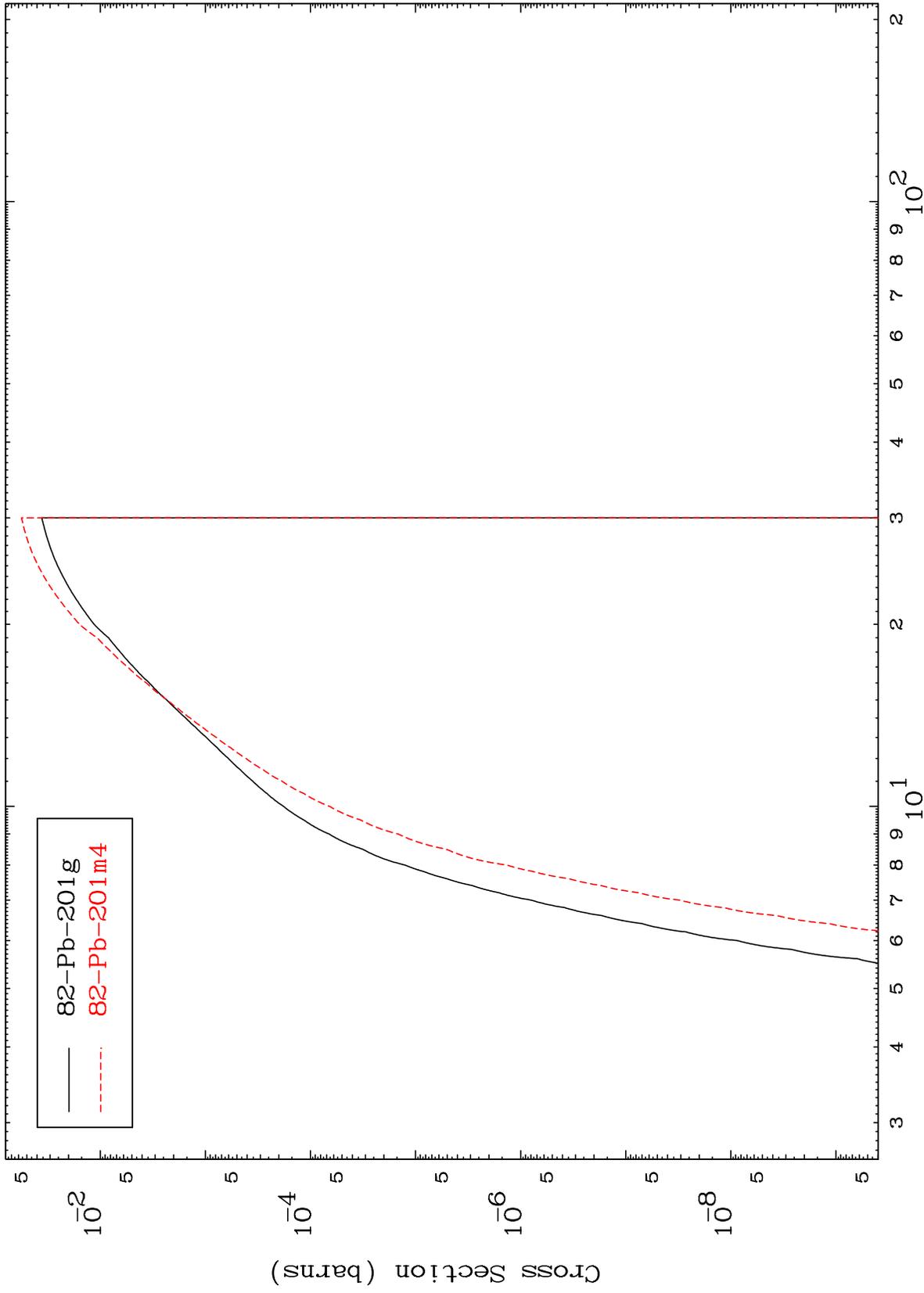
Incident Energy (MeV)

83-Bi-202

MAT 8304

83-Bi-202

(n,n') p
Radionuclide Production Cross Section



131

Incident Energy (MeV)

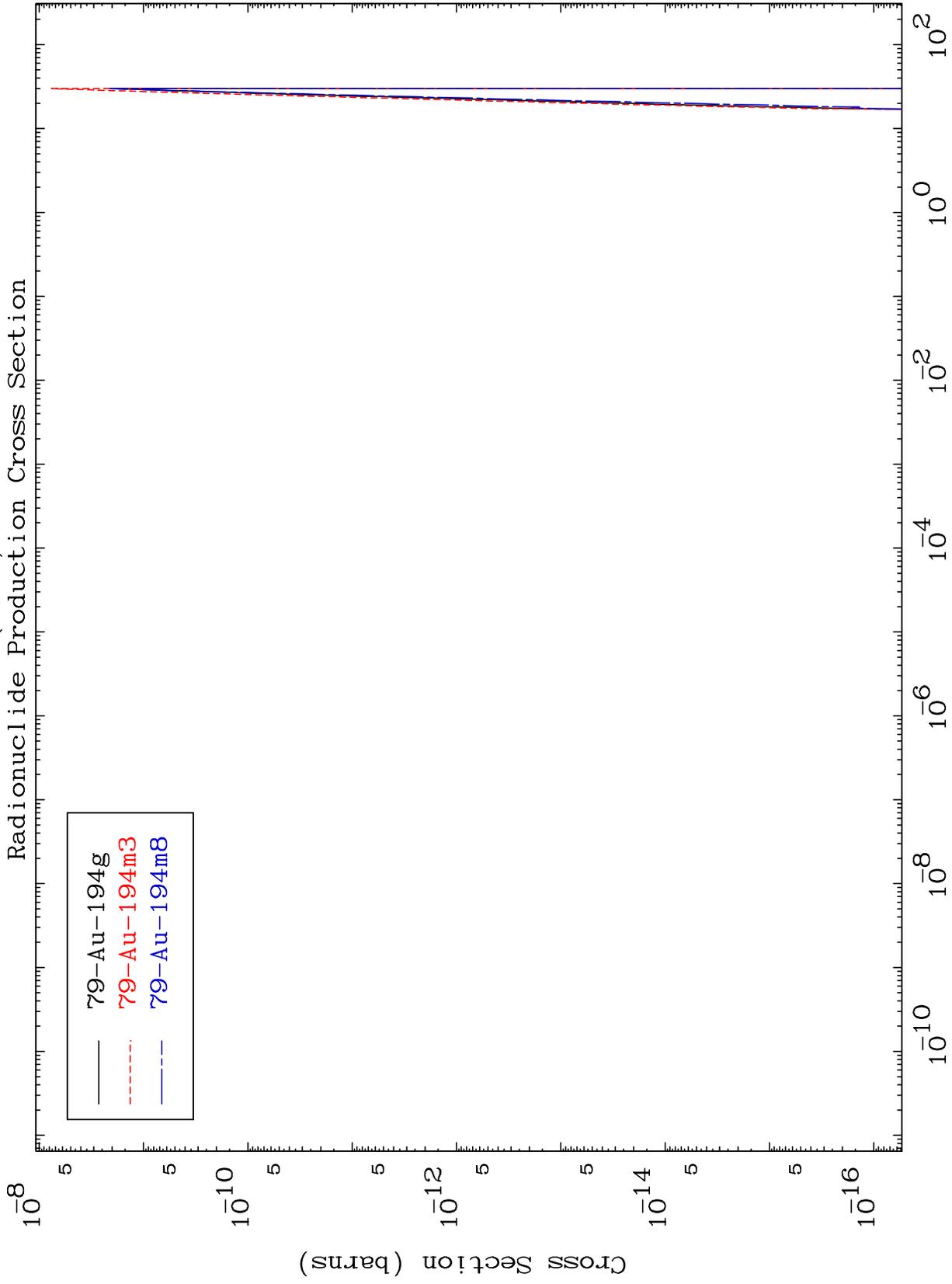
83-Bi-202

MAT 8304

(n,n') 2 α

83-Bi-202

Radionuclide Production Cross Section



132

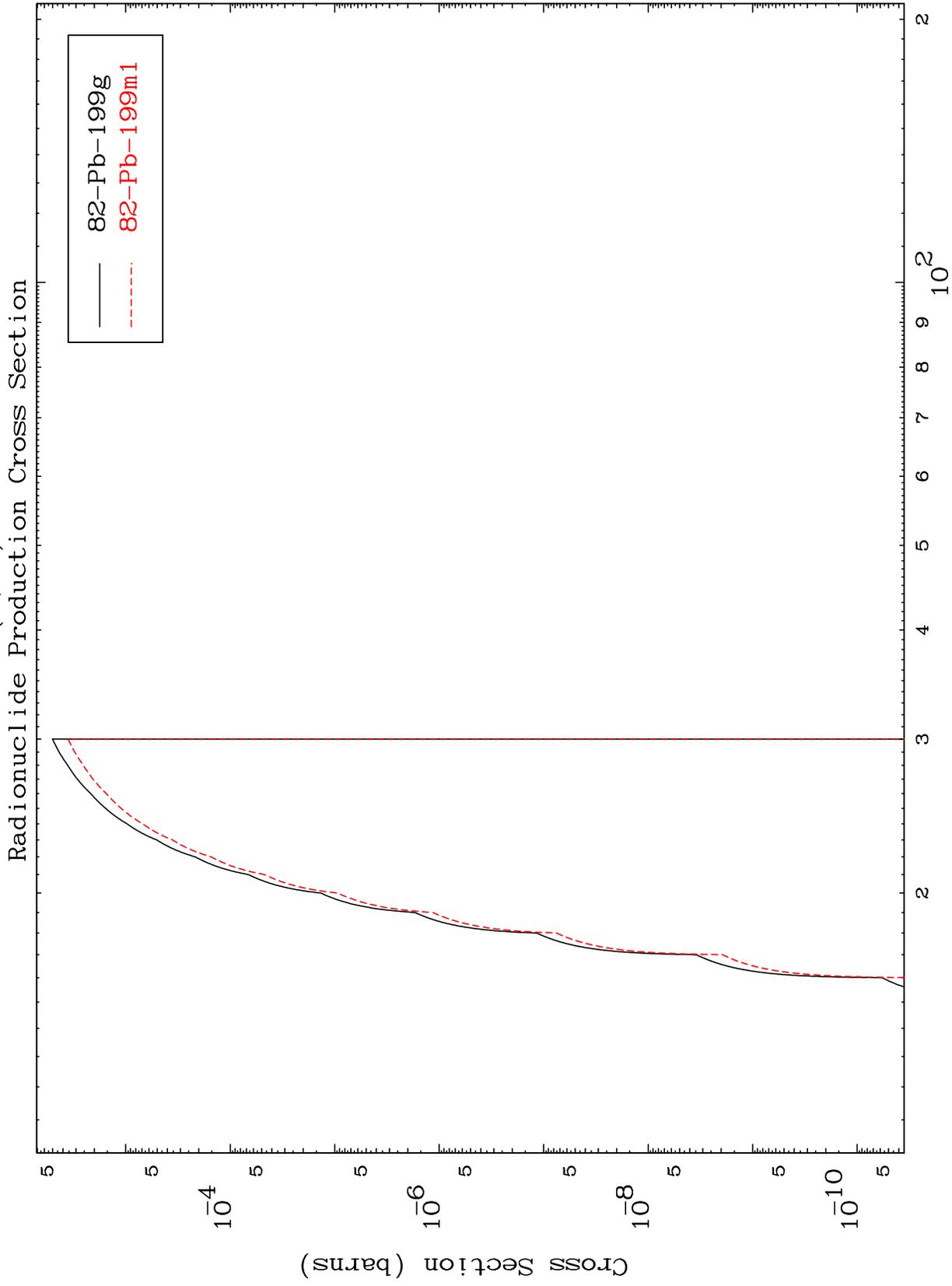
Incident Energy (MeV)

83-Bi-202

MAT 8304

(n,n') t

83-Bi-202



133

Incident Energy (MeV)

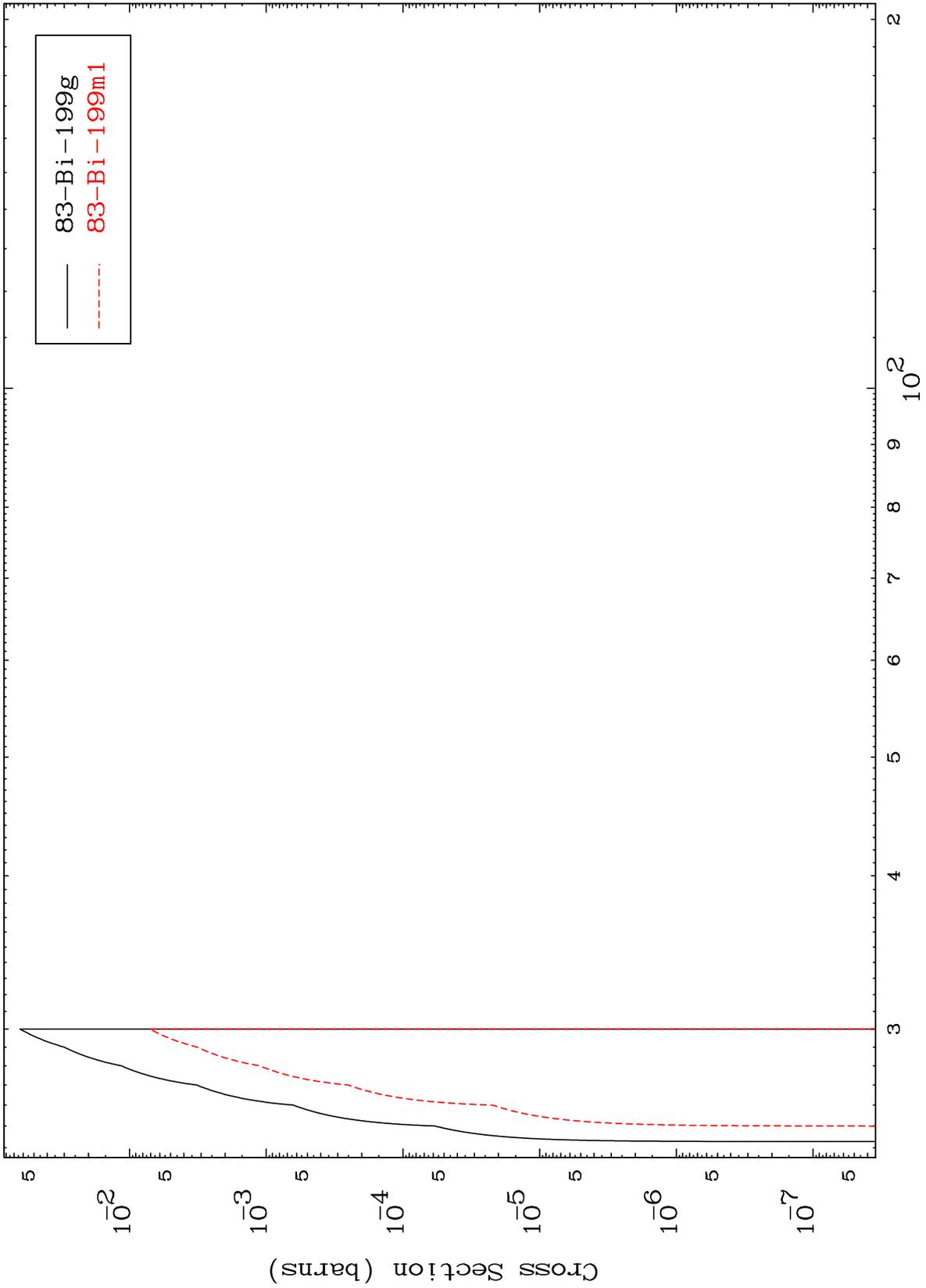
83-Bi-202

MAT 8304

(n,4n)

83-Bi-202

Radionuclide Production Cross Section



134

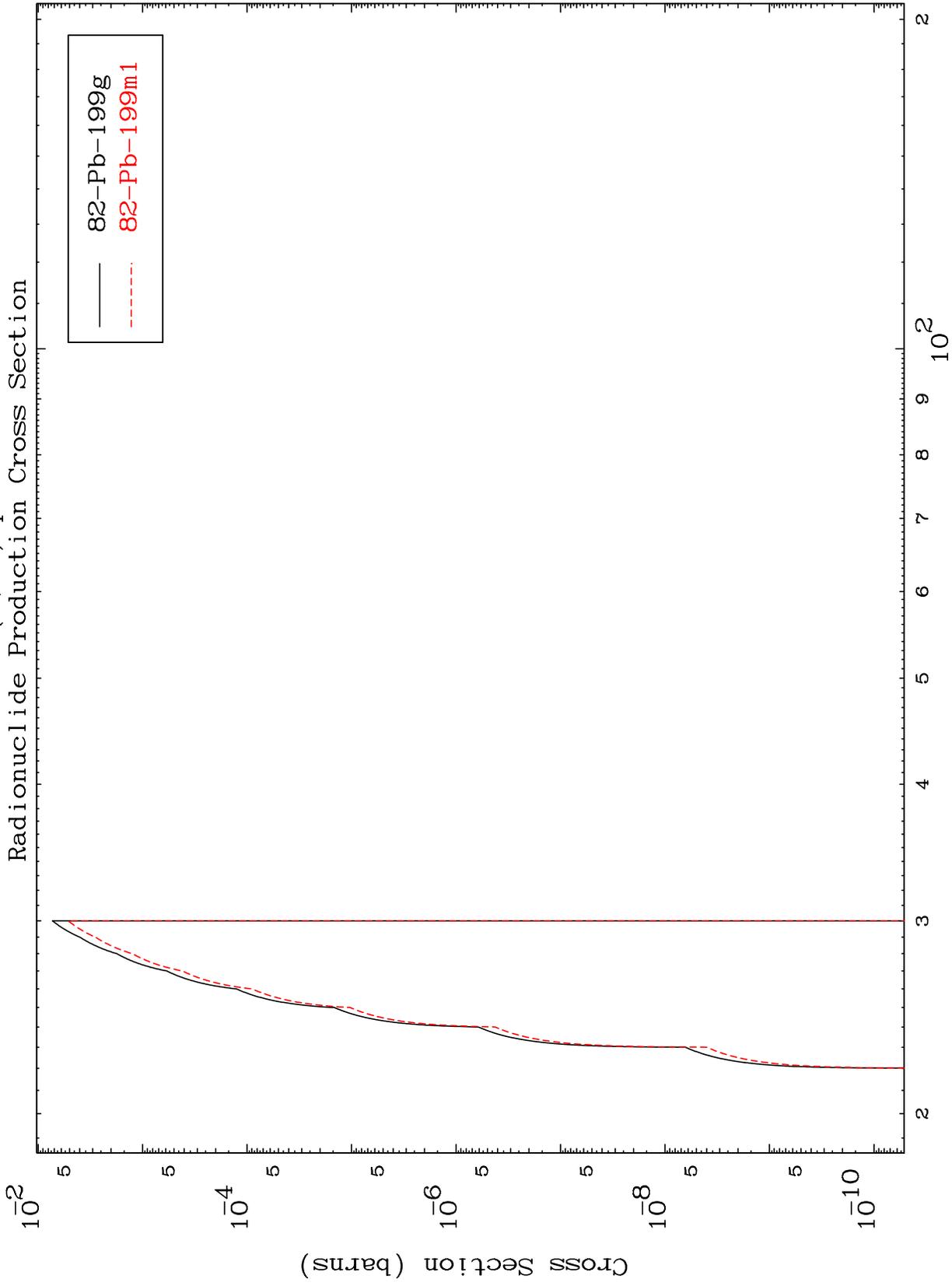
Incident Energy (MeV)

83-Bi-202

MAT 8304

(n,3n) p

83-Bi-202



135

Incident Energy (MeV)

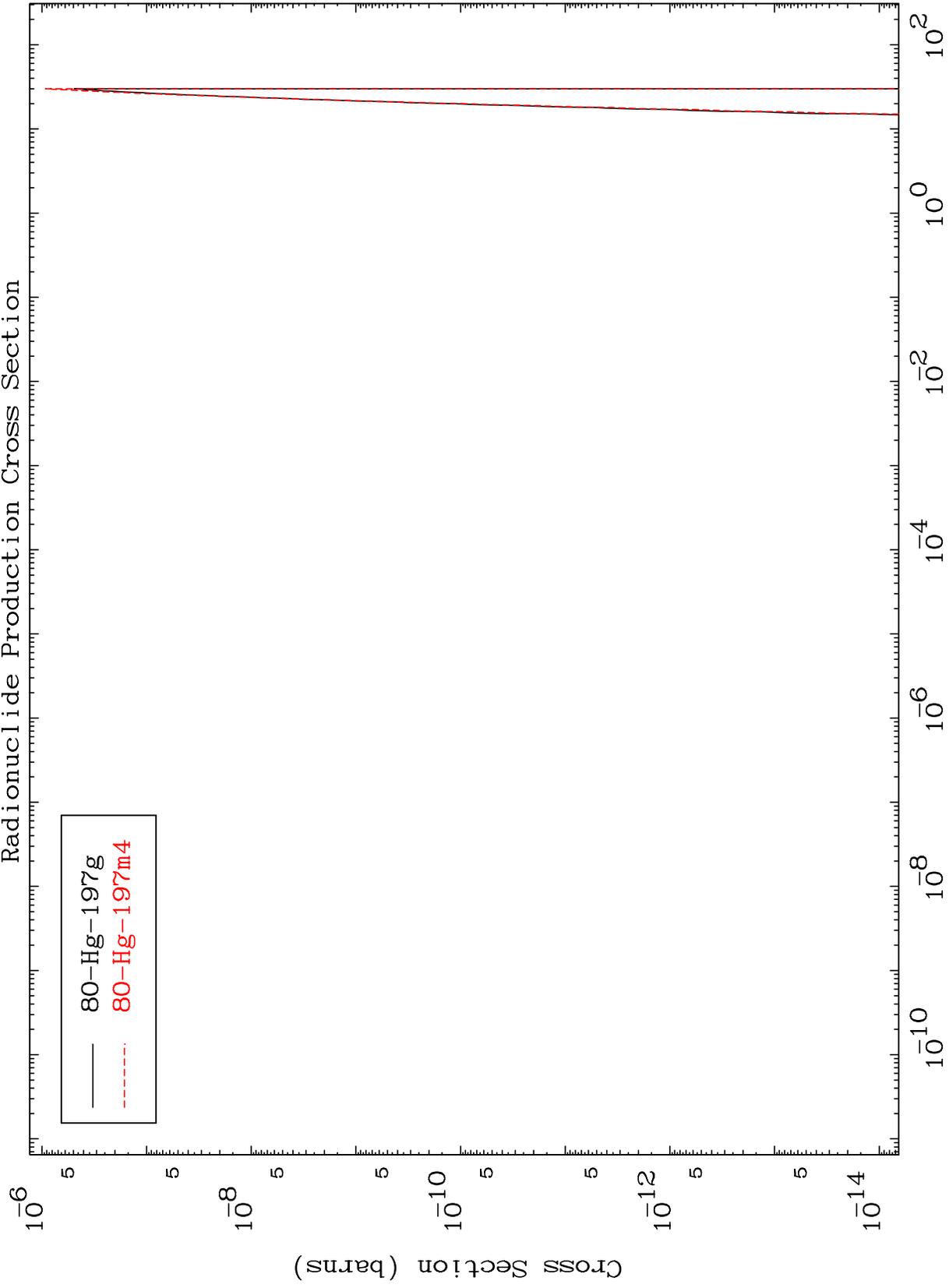
83-Bi-202

MAT 8304

(n,n') p α

83-Bi-202

Radionuclide Production Cross Section



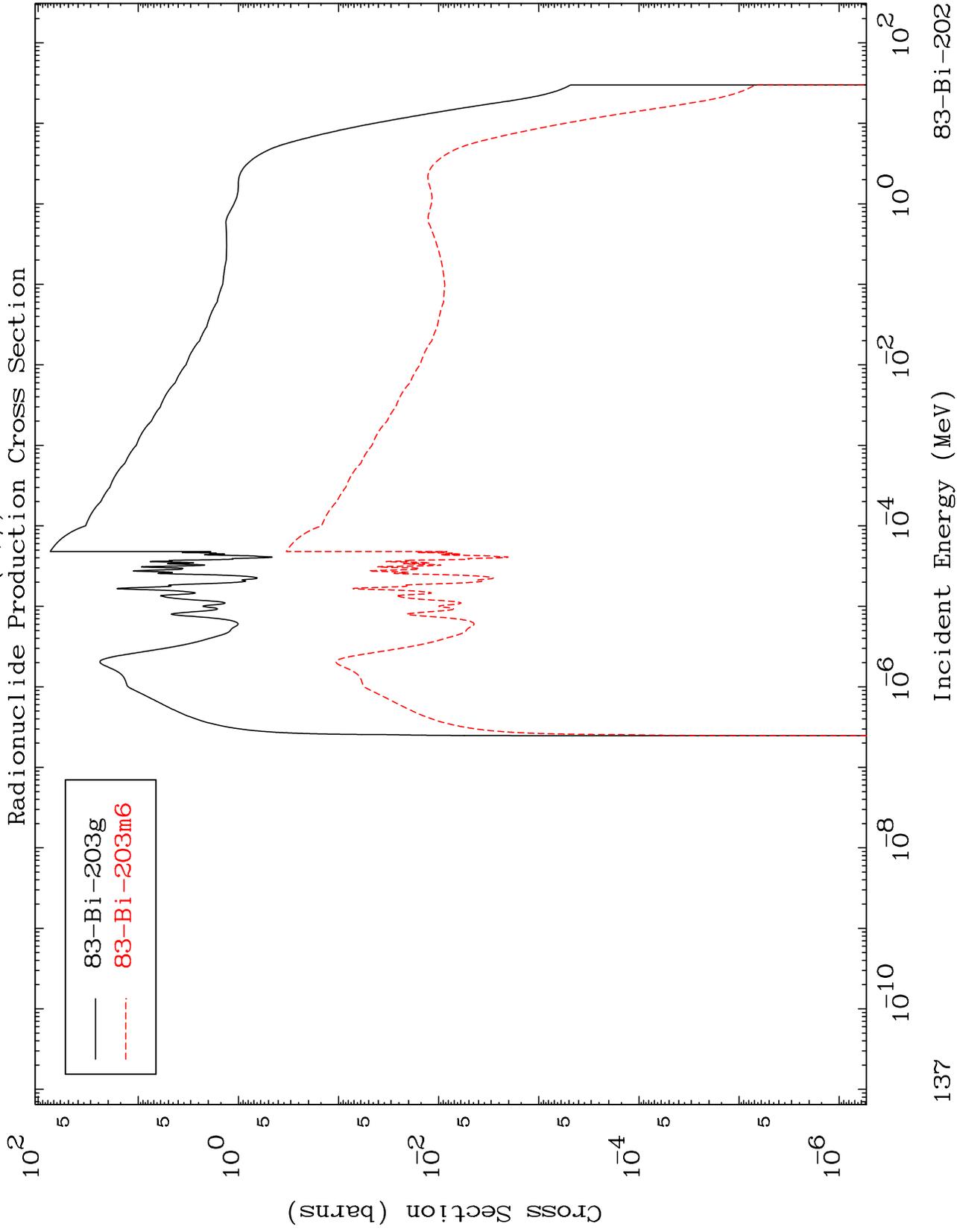
136

Incident Energy (MeV)

83-Bi-202

MAT 8304

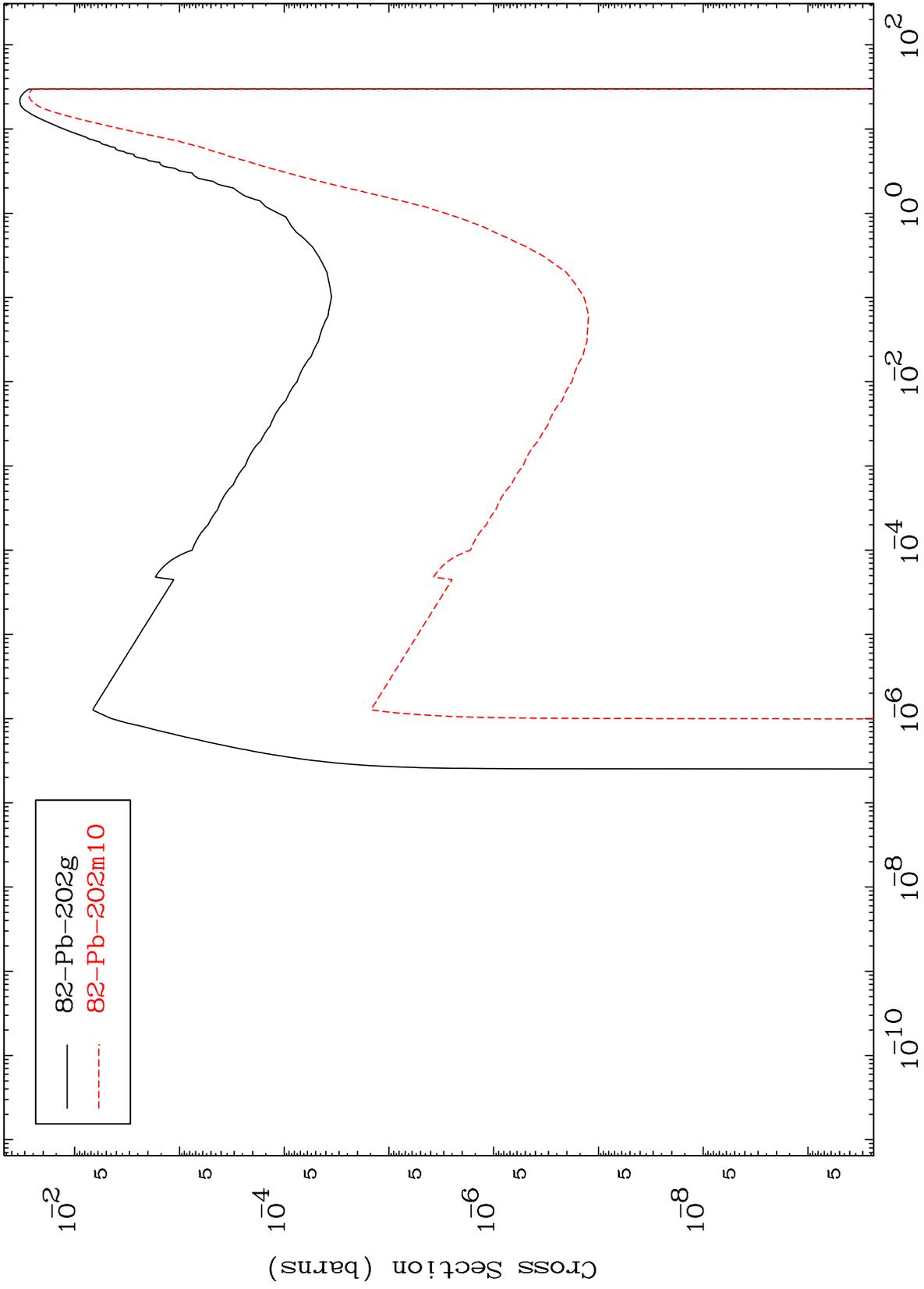
$^{83}\text{Bi}-202$



MAT 8304

Radionuclide Production Cross Section
(n,p)

83-Bi-202

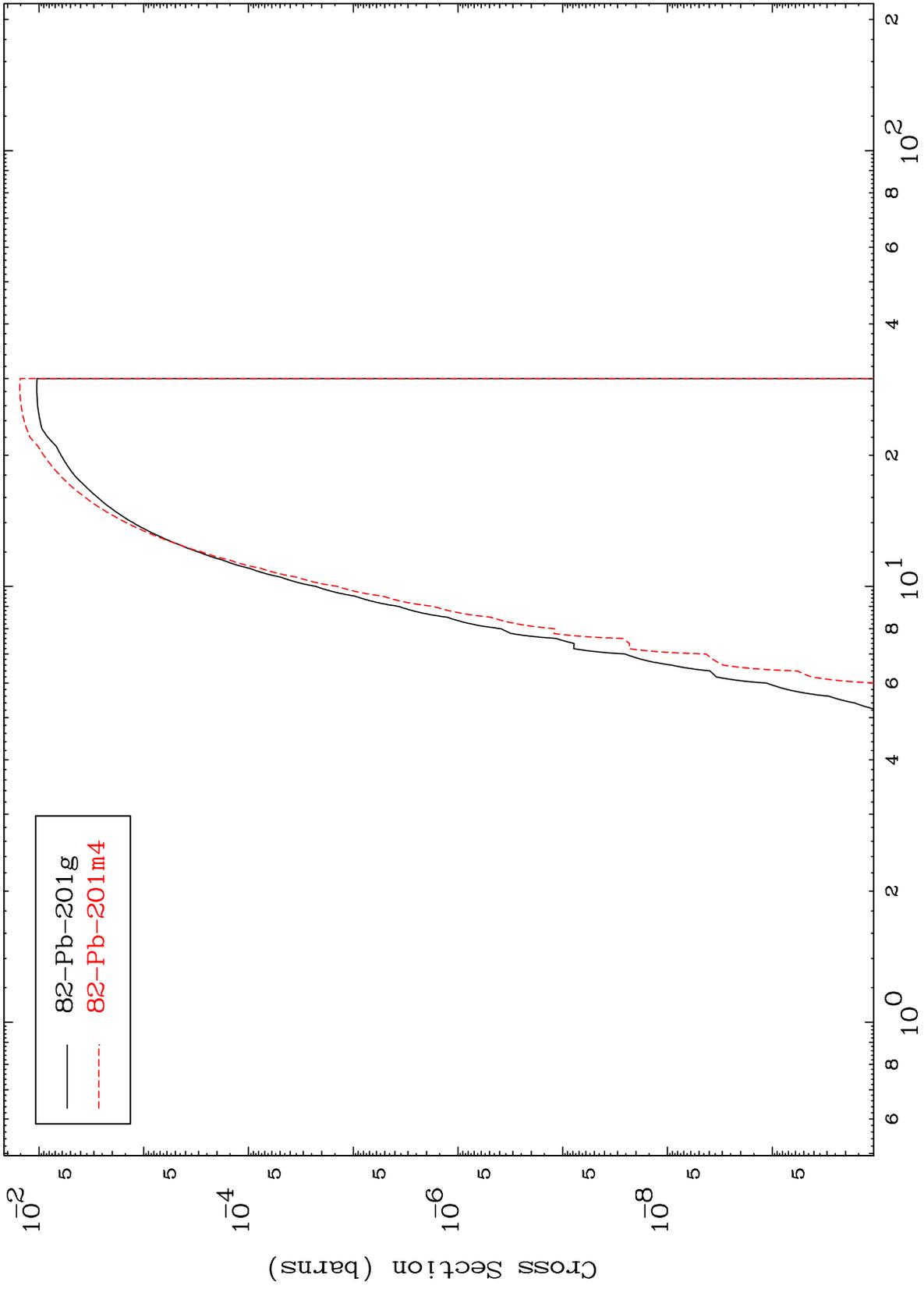


MAT 8304

(n,d)

83-Bi-202

Radionuclide Production Cross Section



82-Pb-201g
82-Pb-201m4

139

Incident Energy (MeV)

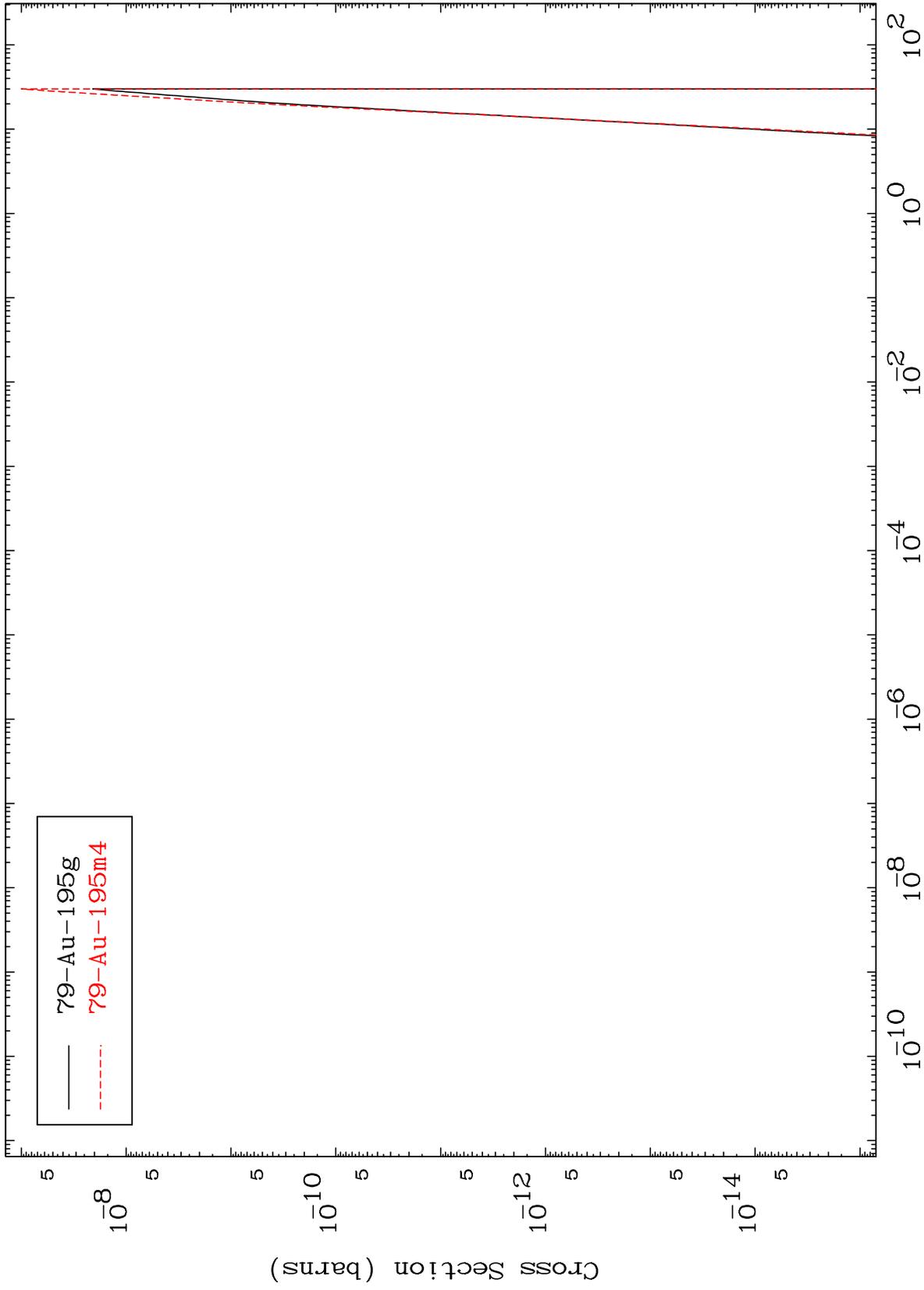
83-Bi-202

MAT 8304

(n,2α)

83-Bi-202

Radionuclide Production Cross Section



140

Incident Energy (MeV)

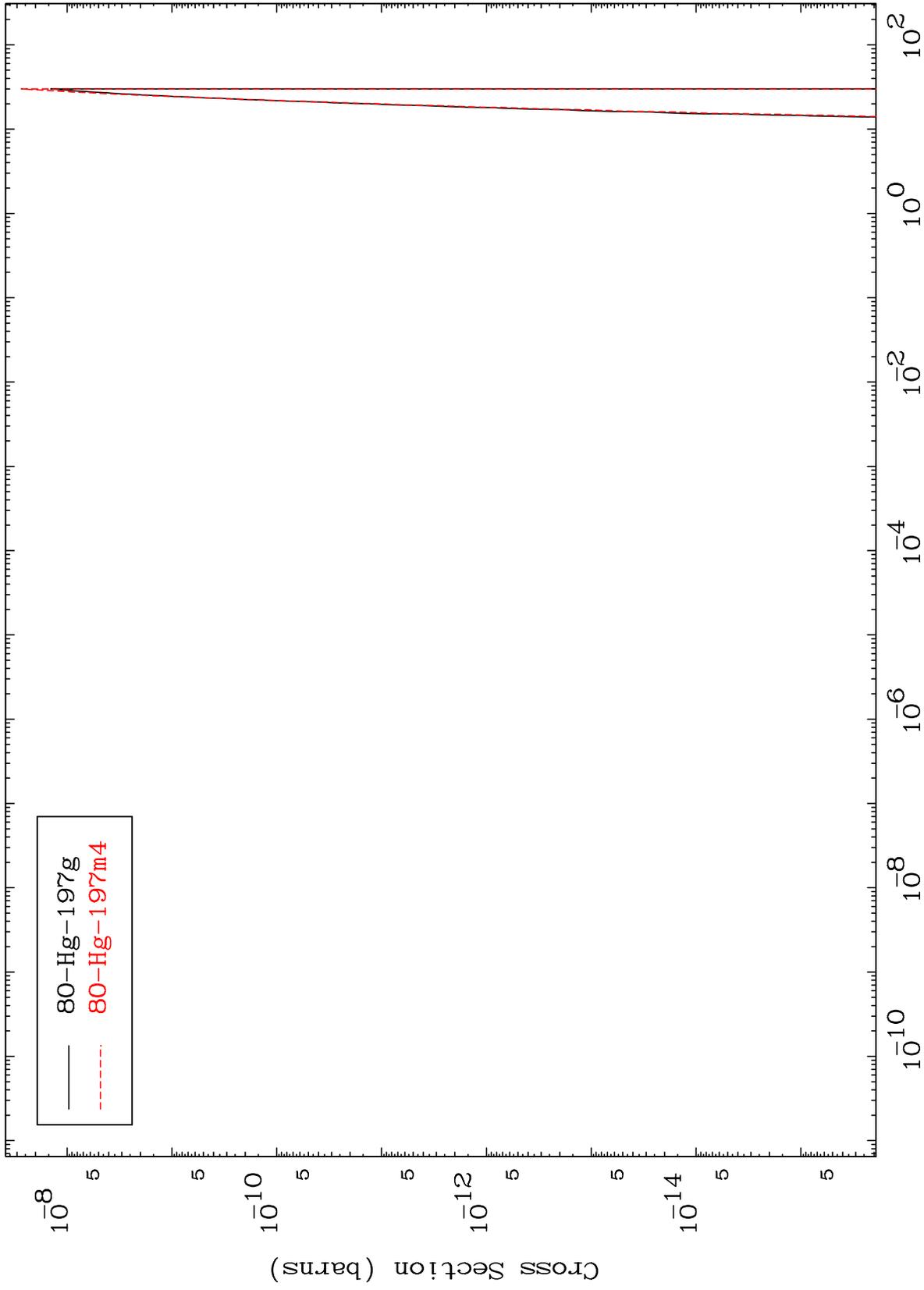
83-Bi-202

MAT 8304

(n,d) α

83-Bi-202

Radionuclide Production Cross Section



141

Incident Energy (MeV)

83-Bi-202