

Program EVALPLOT  
(Version 2018-1)

by

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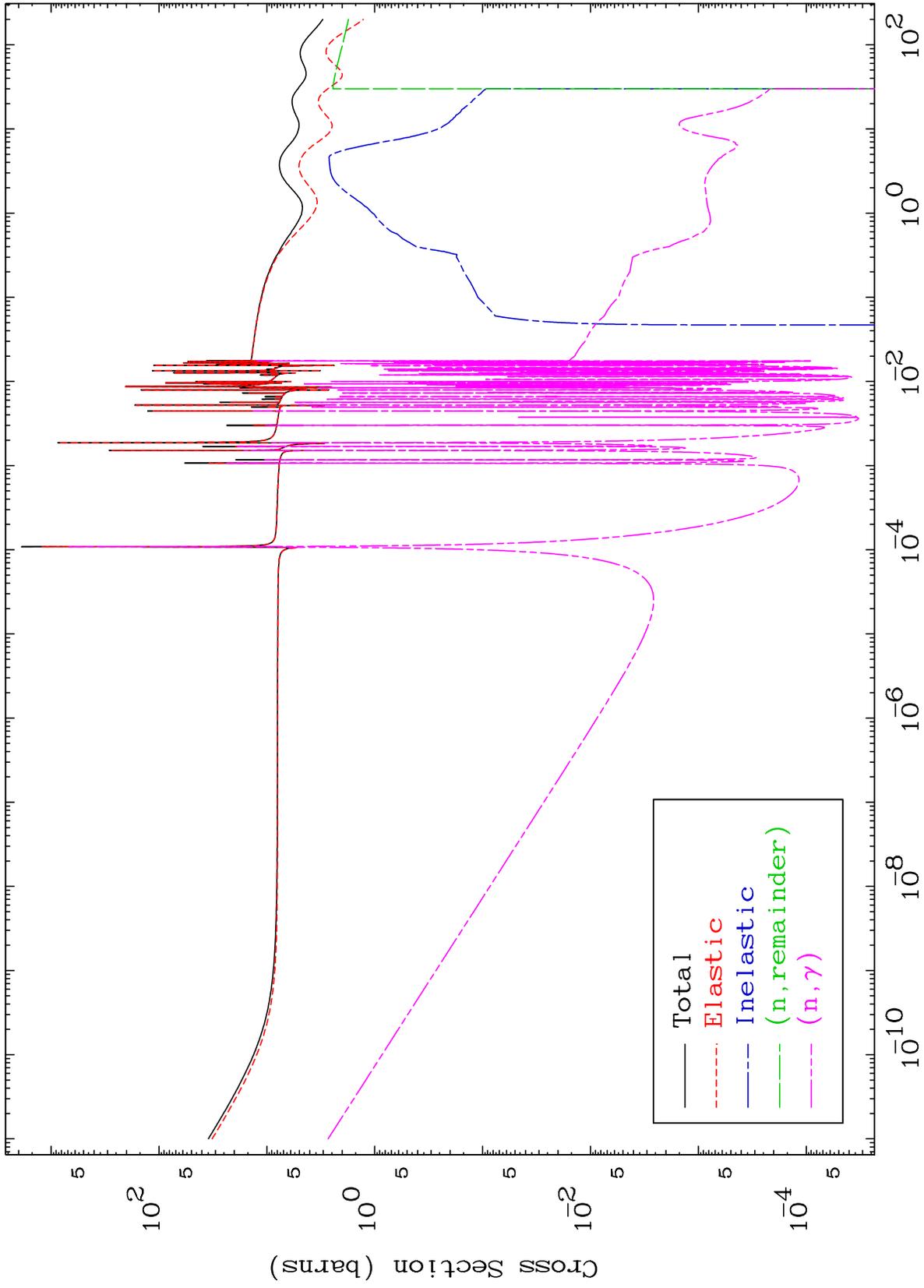
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8328

Major  
293 Kelvin Cross Sections

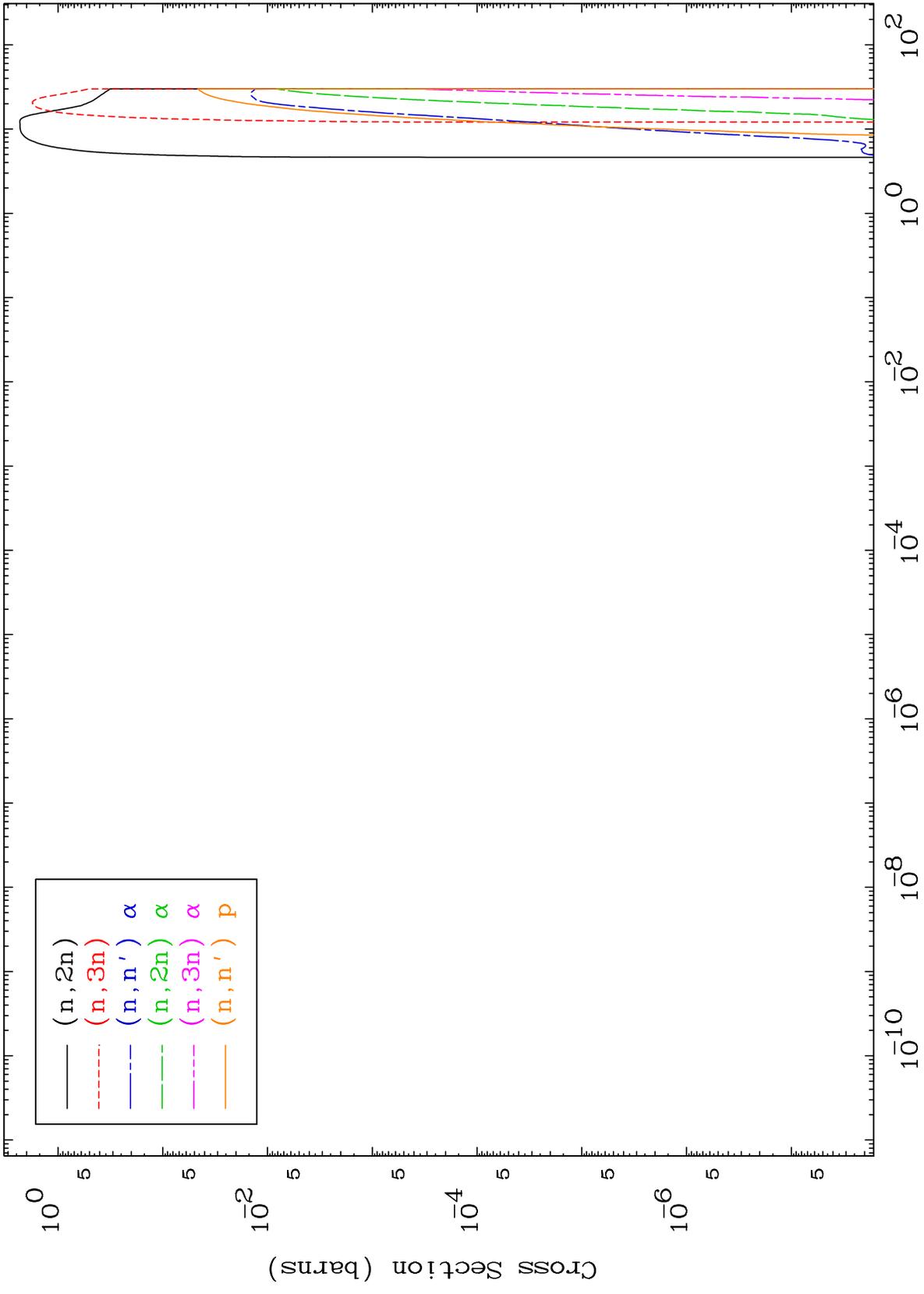
83-Bi-210



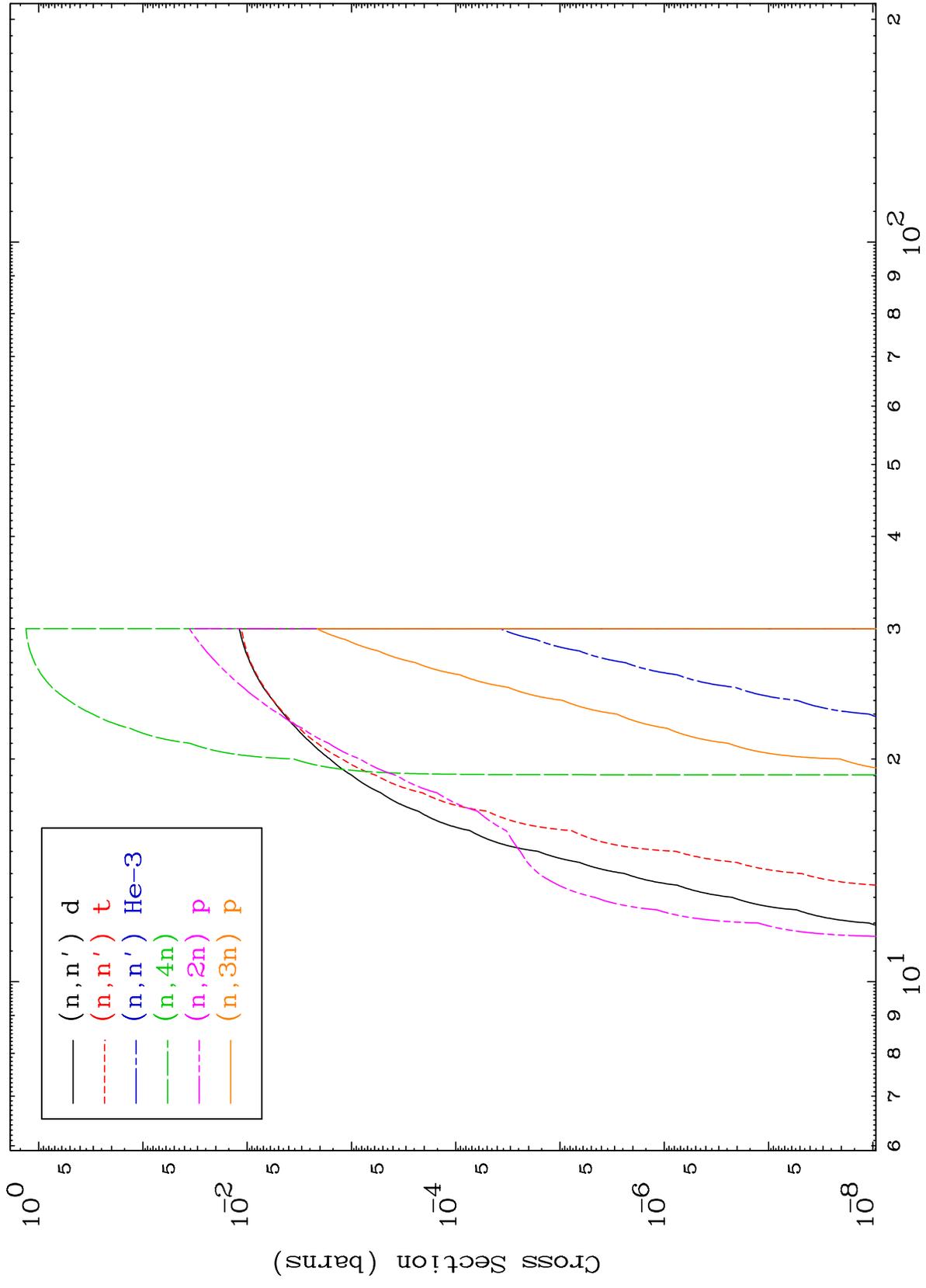
MAT 8328

Neutron Production  
293 Kelvin Cross Sections

83-Bi-210



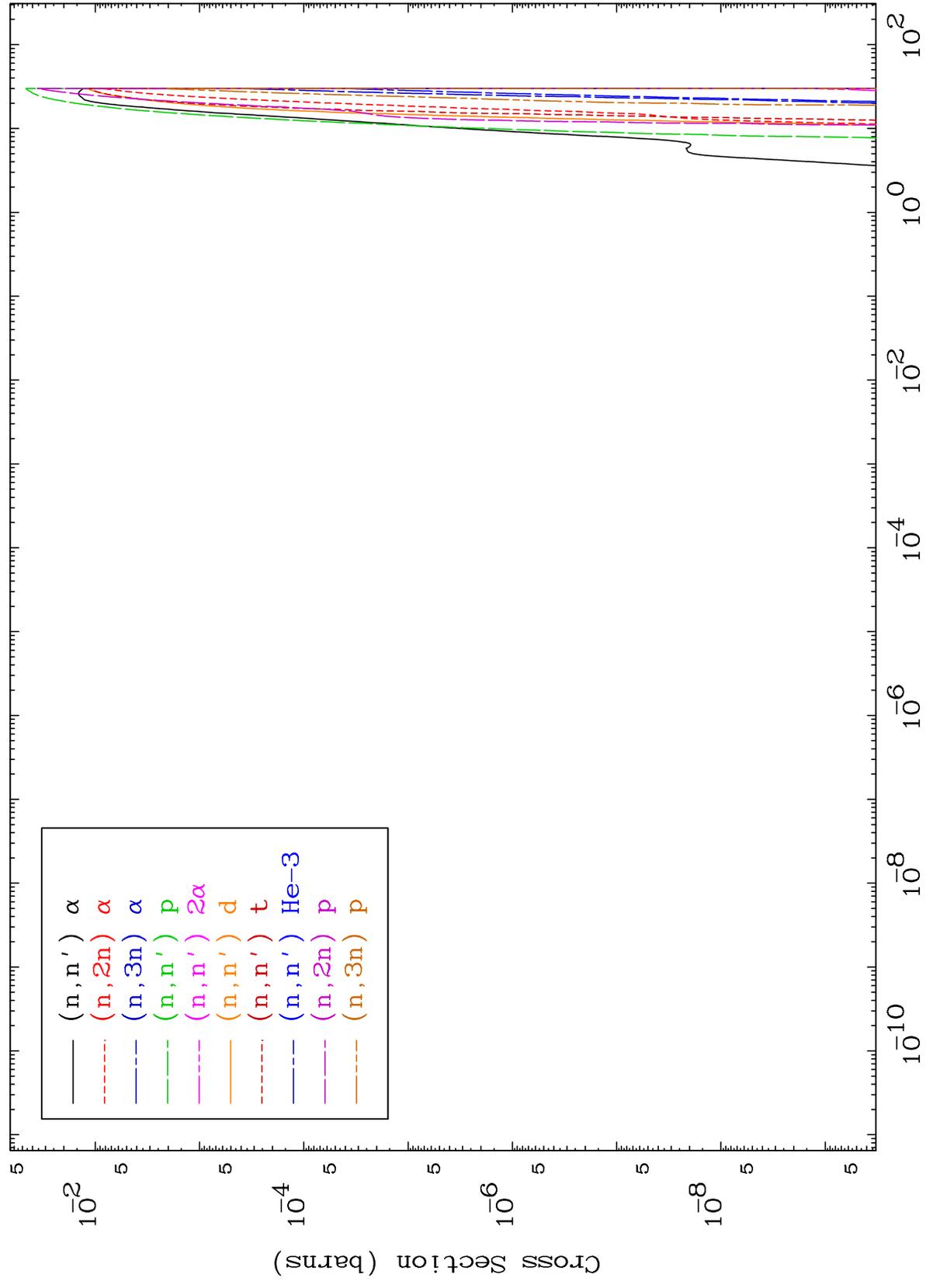
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MAT 8328

293 Kelvin Cross Sections  
Charged Particle

83-Bi-210

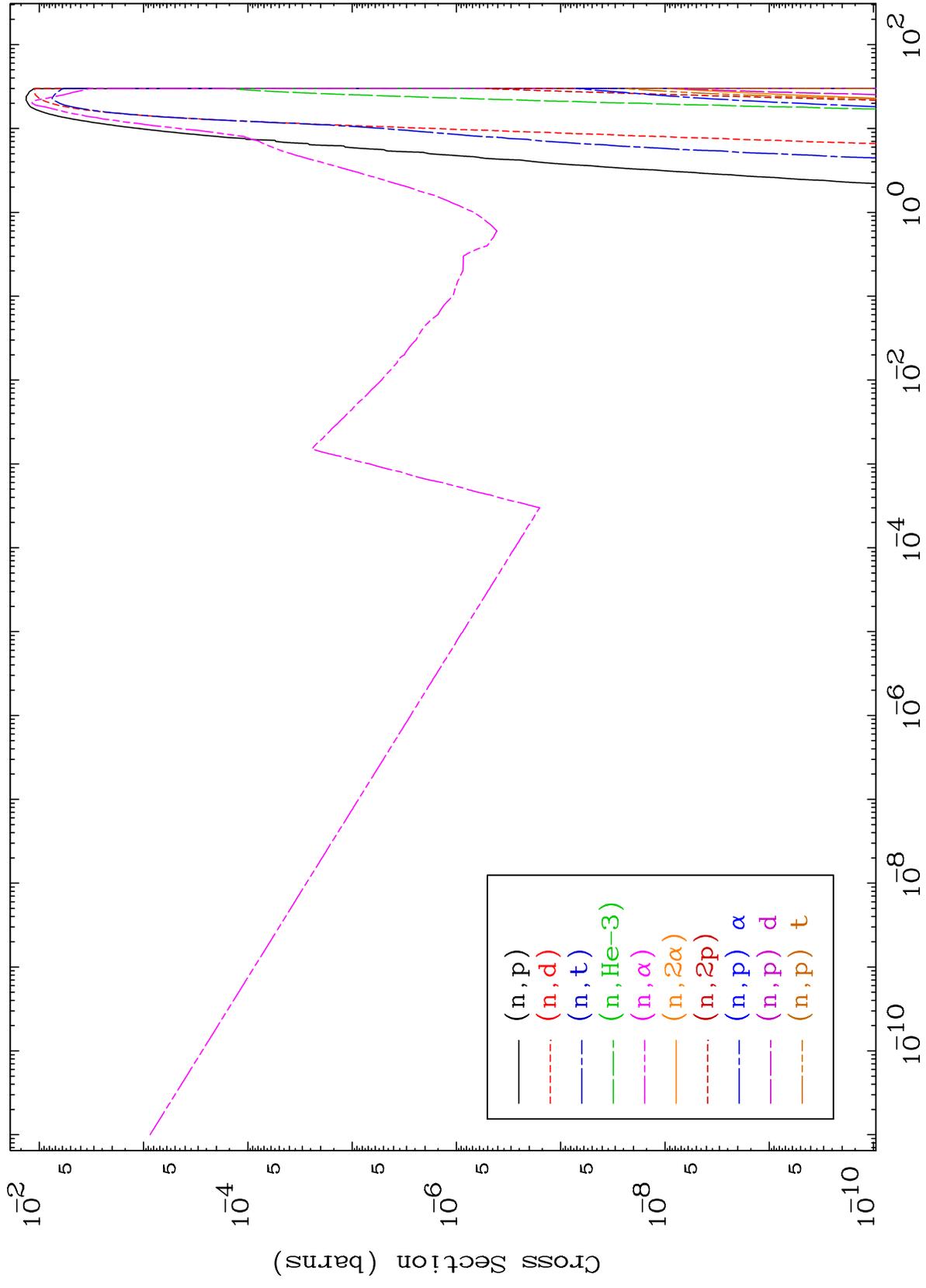


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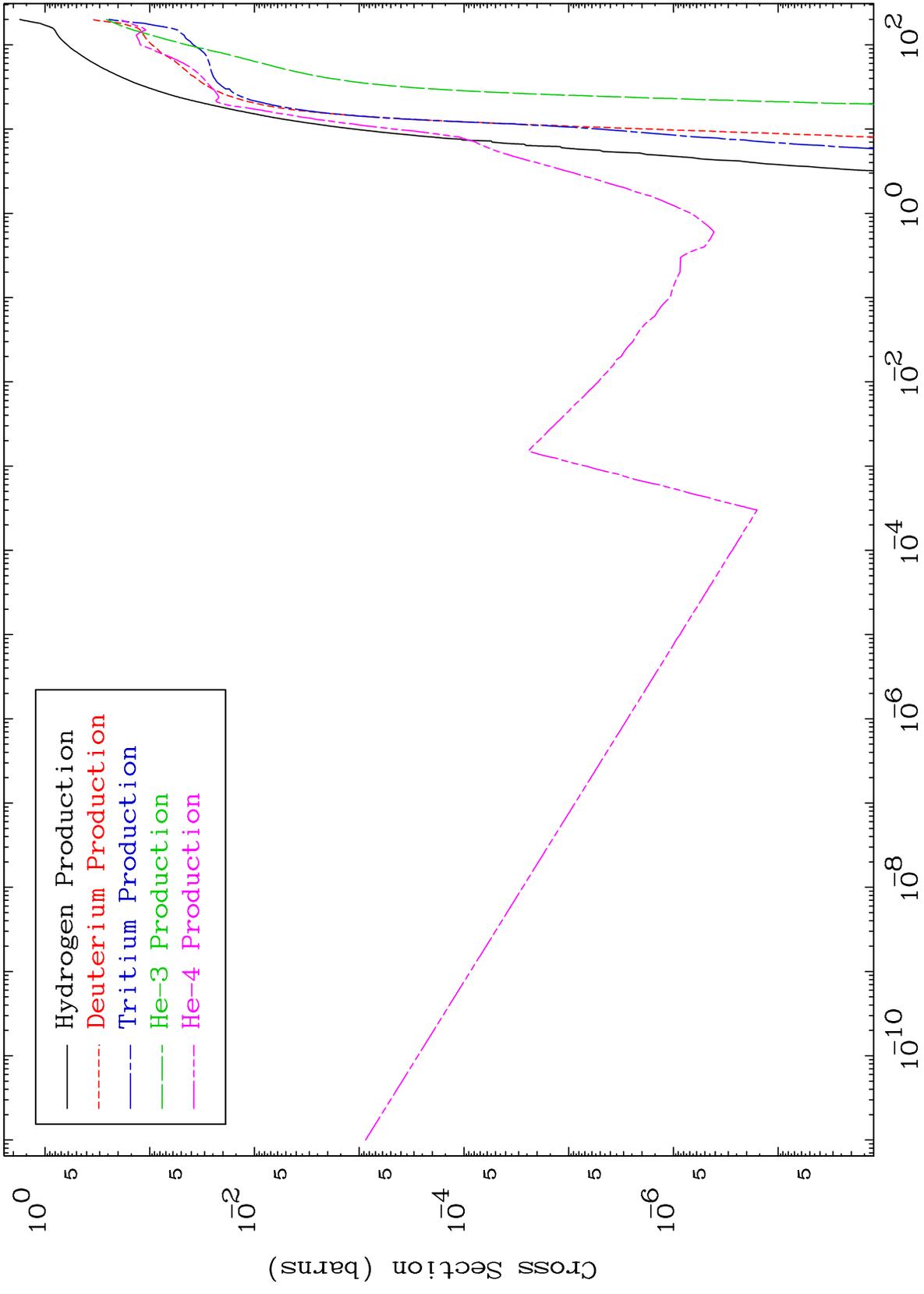
MAT 8328

Charged Particle  
293 Kelvin Cross Sections

83-Bi-210



83-Bi-210

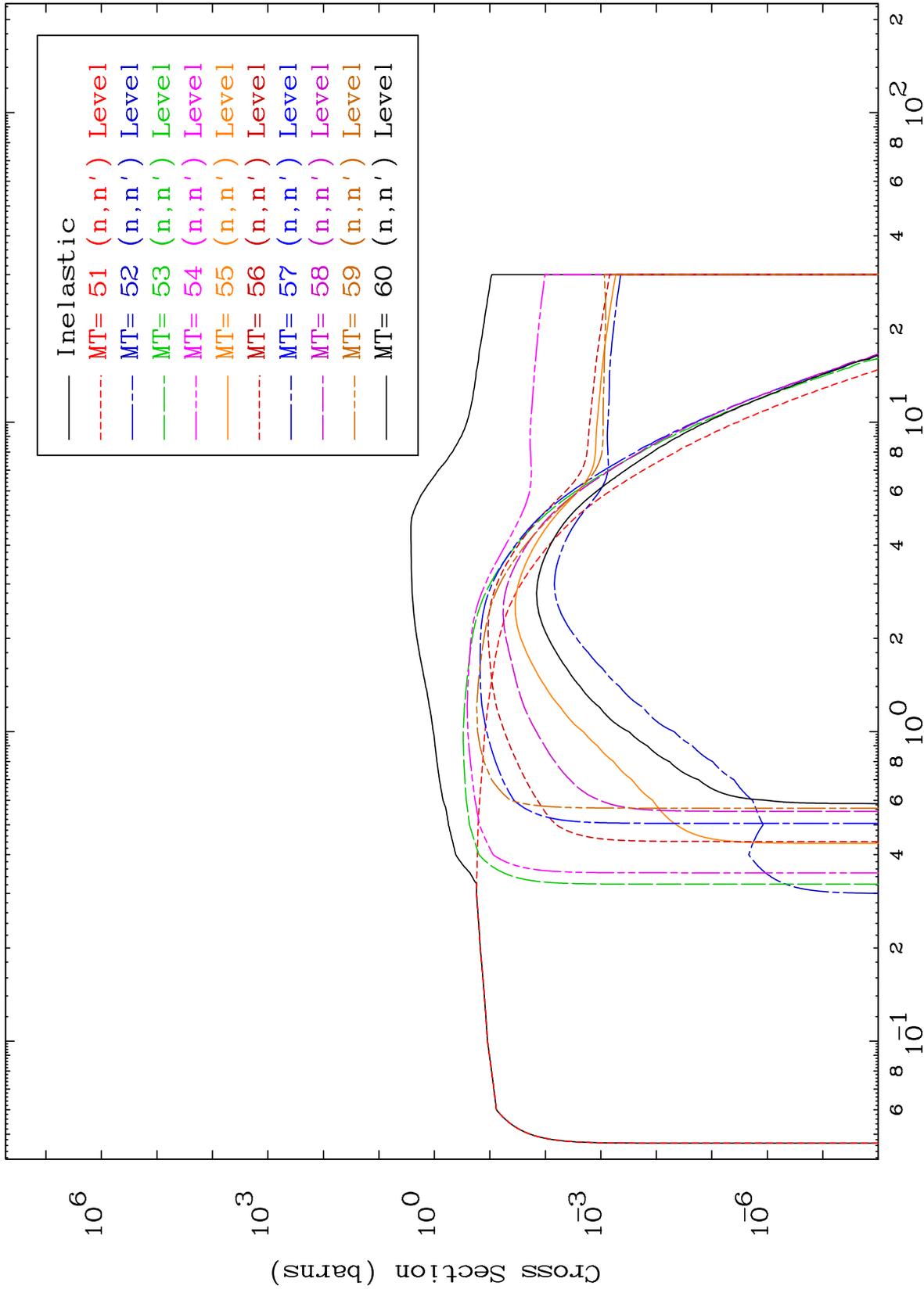


MAT 8328

(n,n') Level

83-Bi-210

293 Kelvin Cross Sections

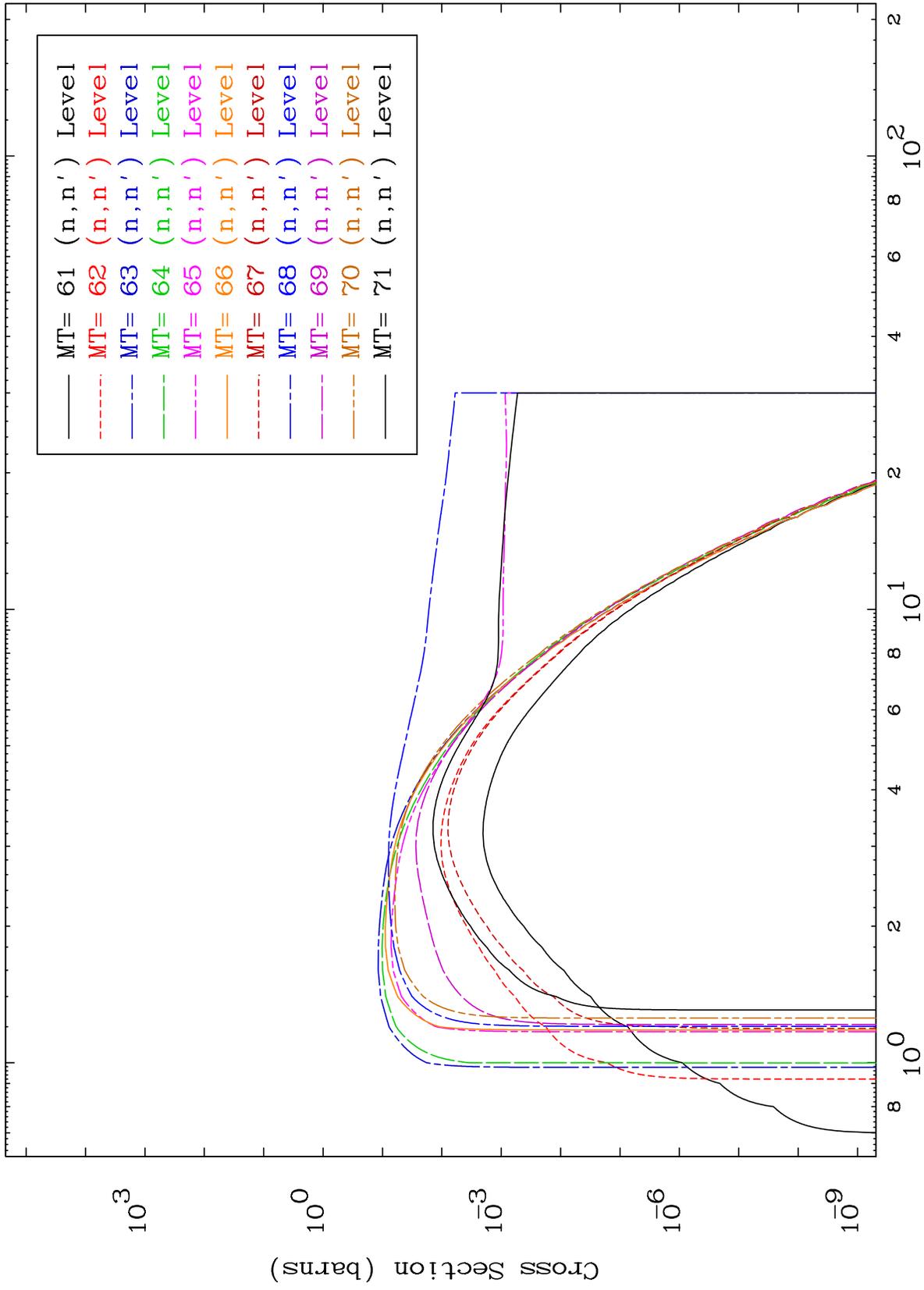


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(n,n') Level

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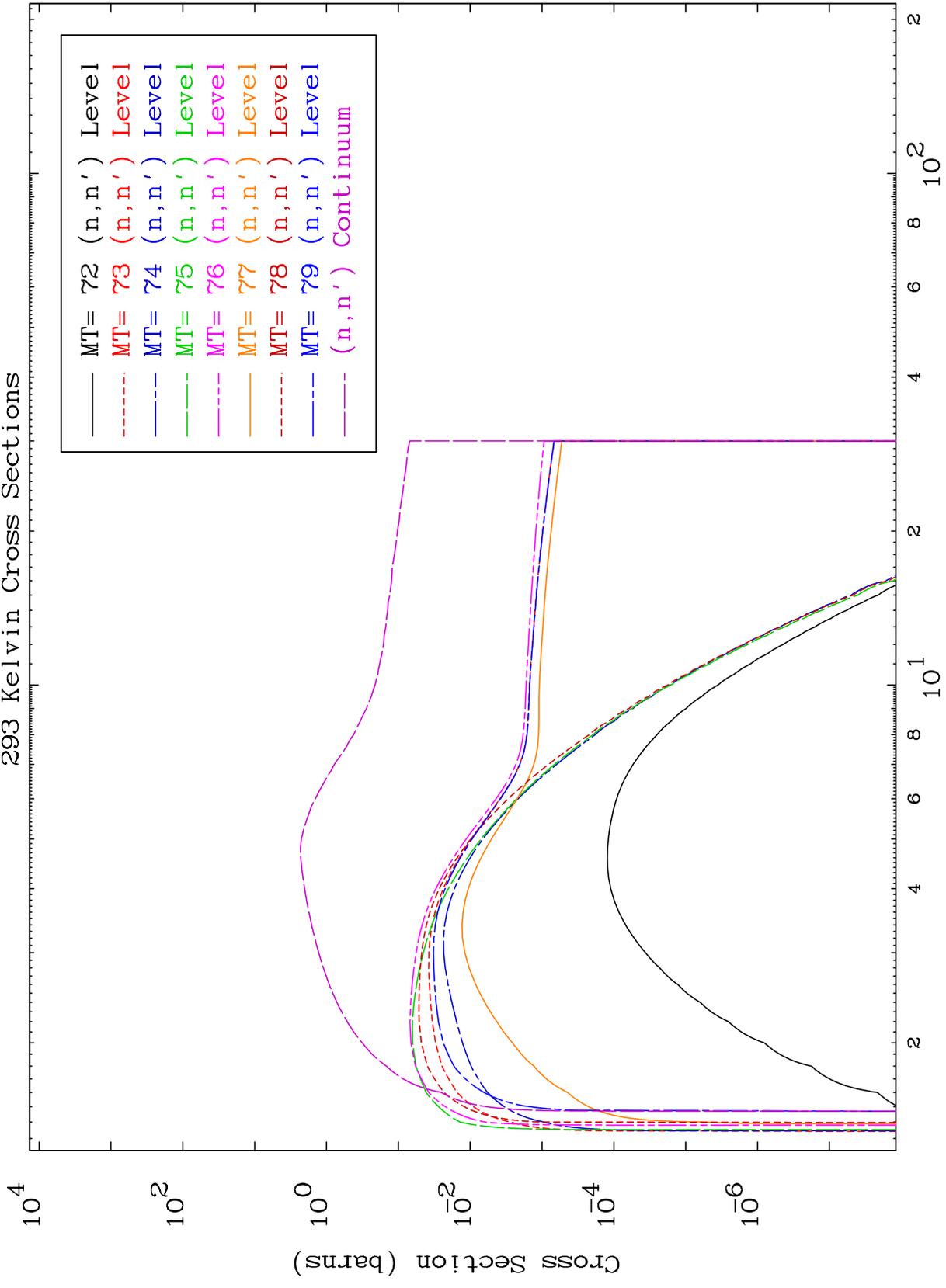
293 Kelvin Cross Sections



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Incident Energy (MeV)

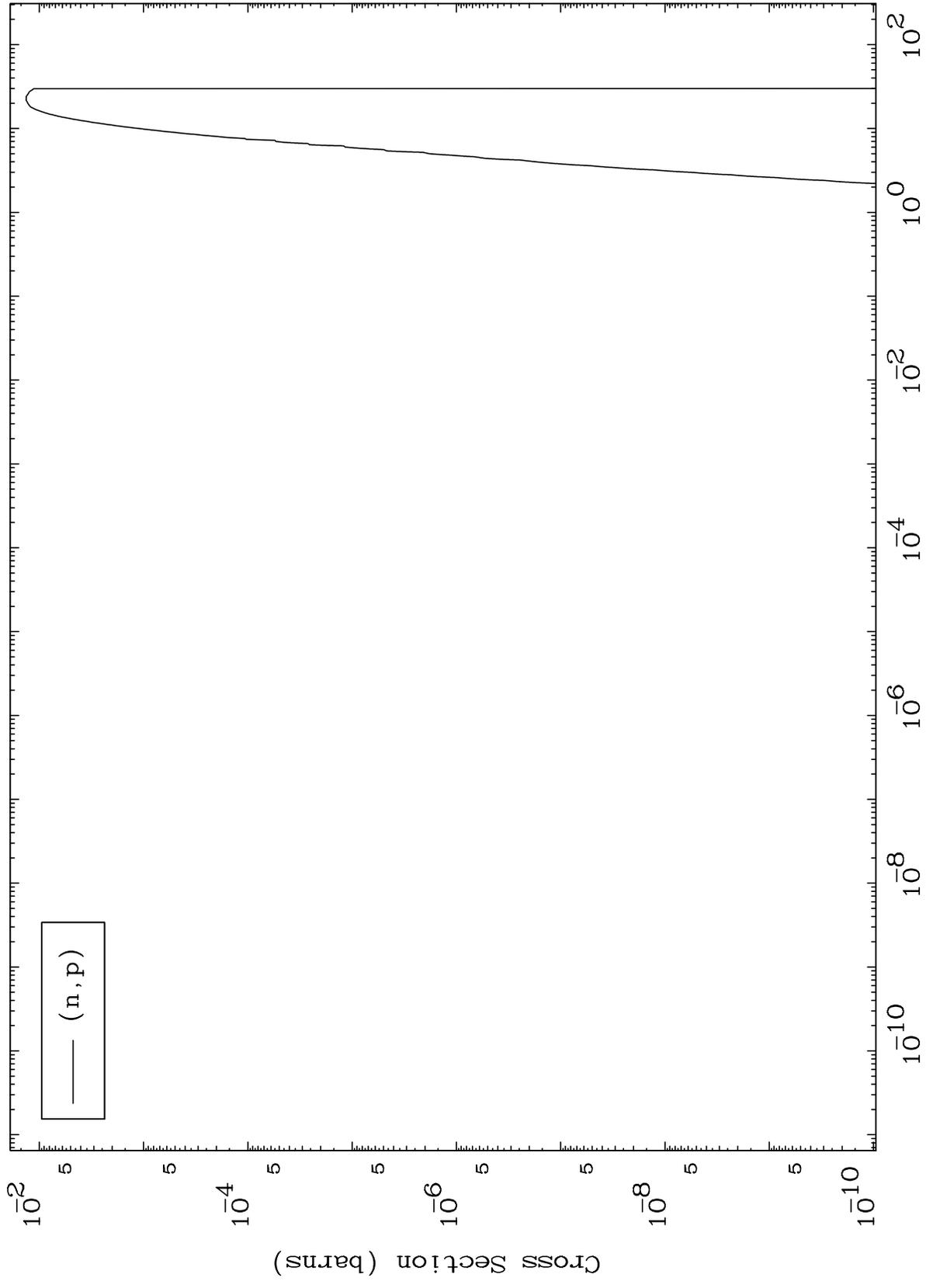
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MAT 8328

(n,p) Levels  
293 Kelvin Cross Sections

83-Bi-210



10

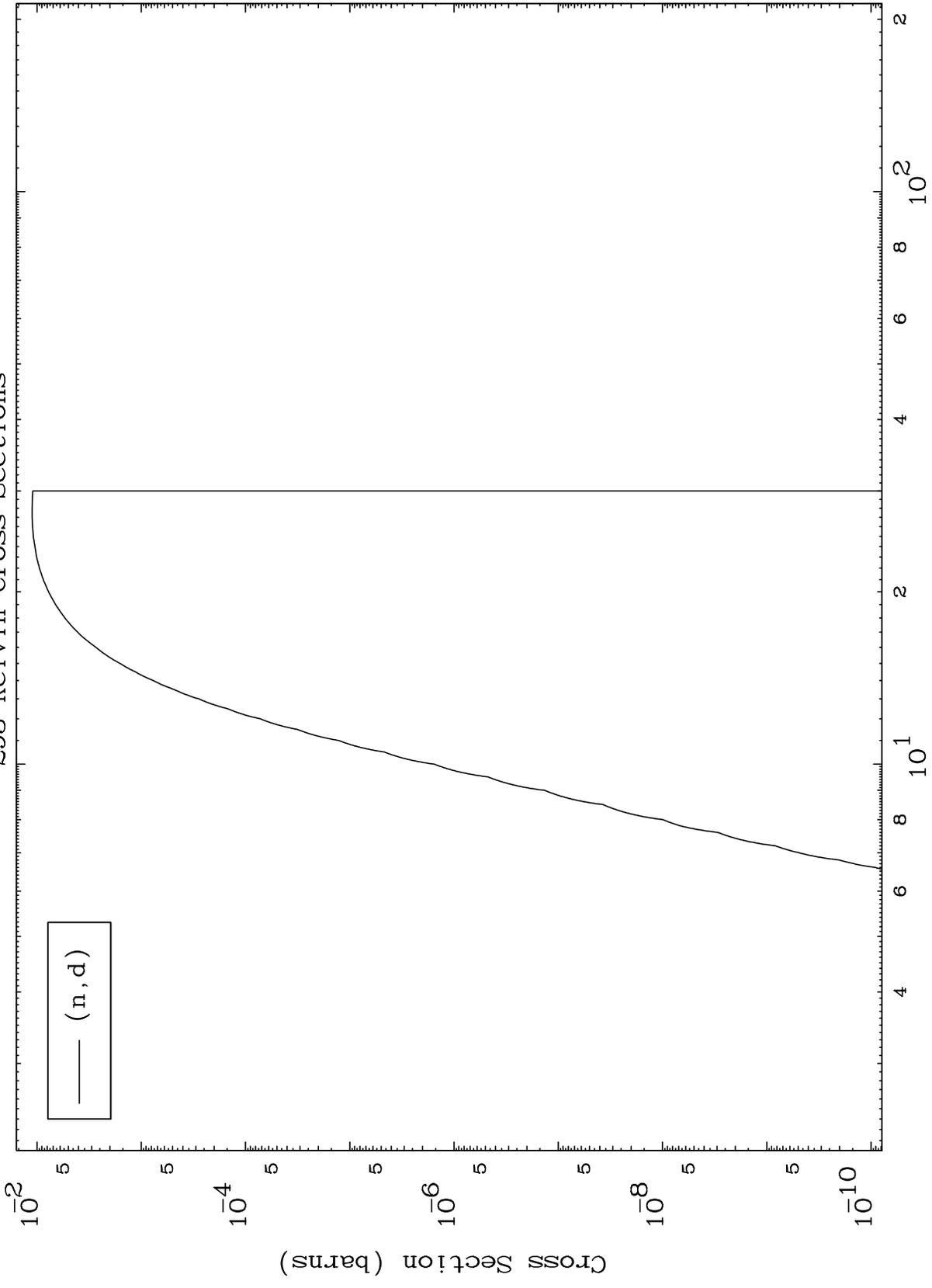
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83-Bi-210

MAT 8328

(n,d) Levels  
293 Kelvin Cross Sections

83-Bi-210

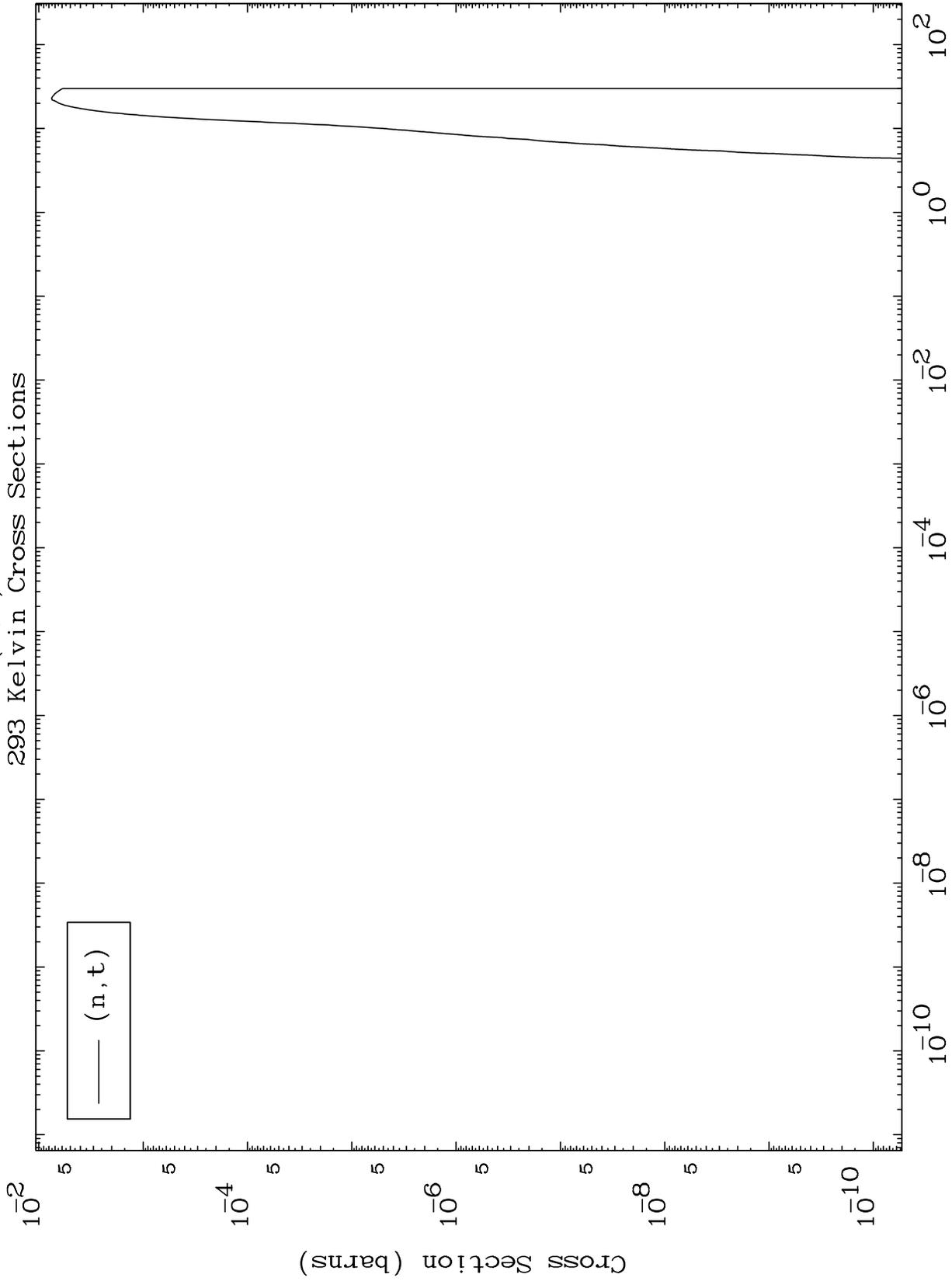


83-Bi-210

MAT 8328

(n,t) Levels  
293 Kelvin Cross Sections

83-Bi-210



12

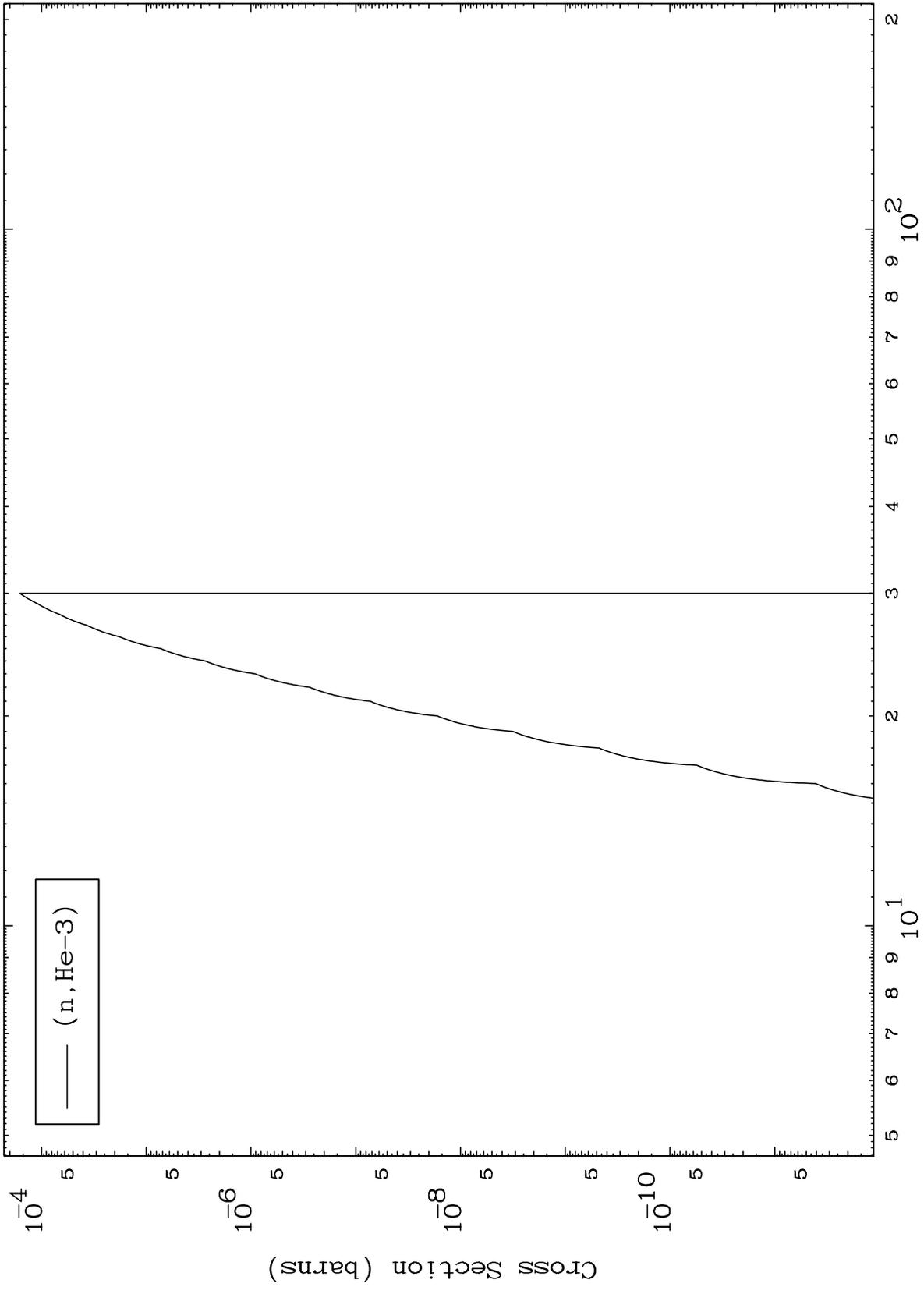
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83-Bi-210

MAT 8328

83-Bi-210

(n,He3) Levels  
293 Kelvin Cross Sections



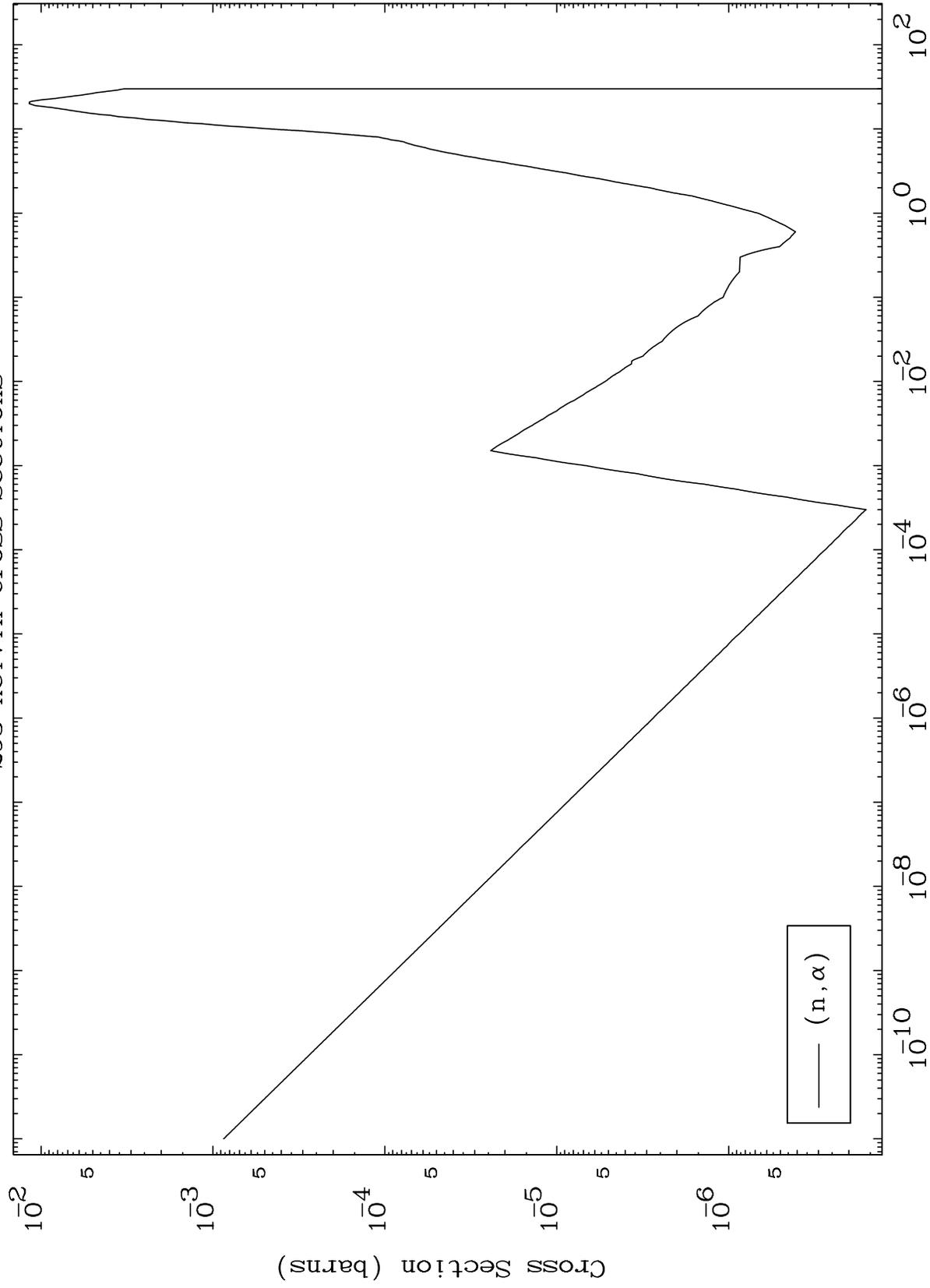
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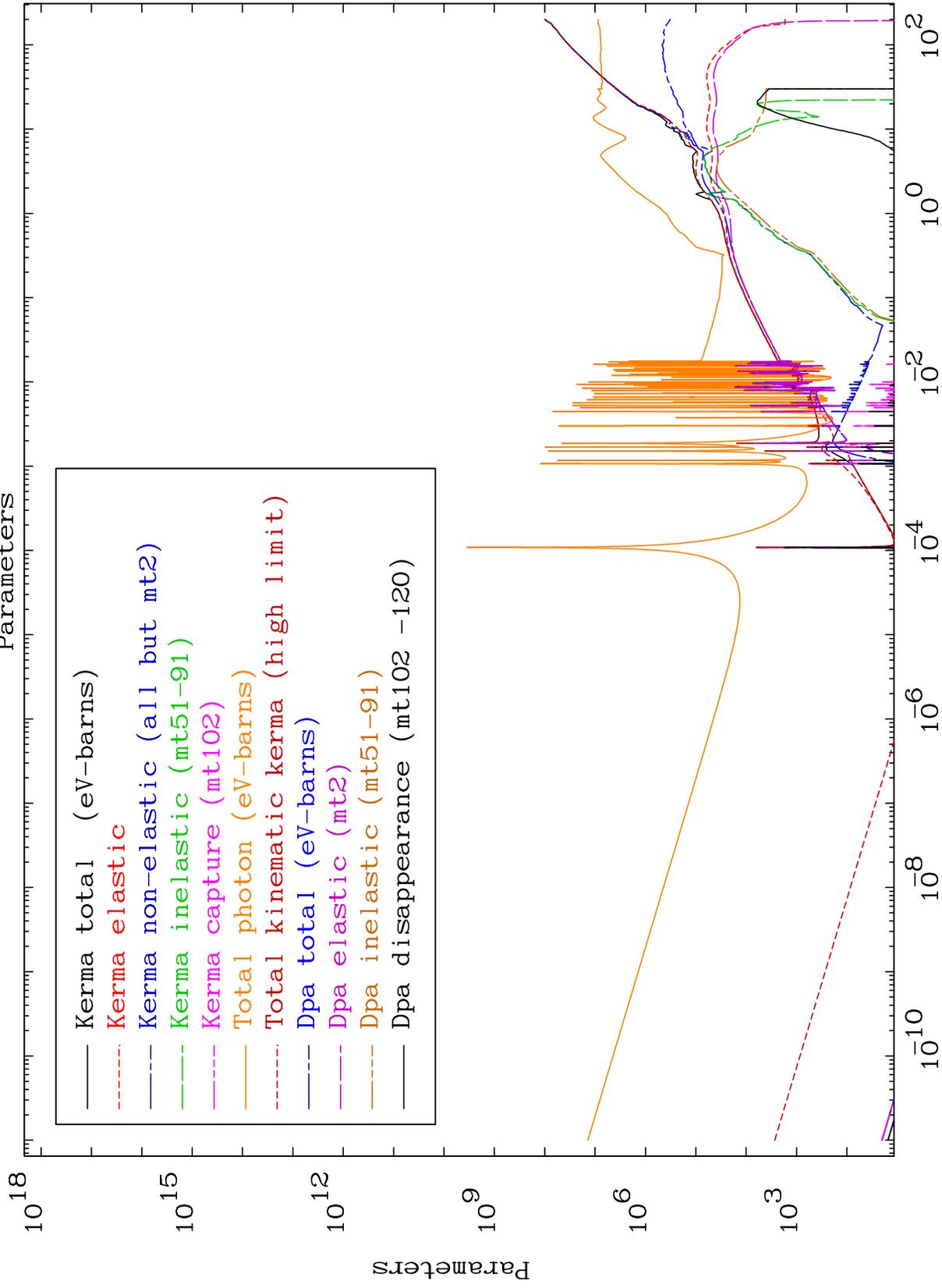
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(n, $\alpha$ ) Levels  
293 Kelvin Cross Sections

83-Bi-210

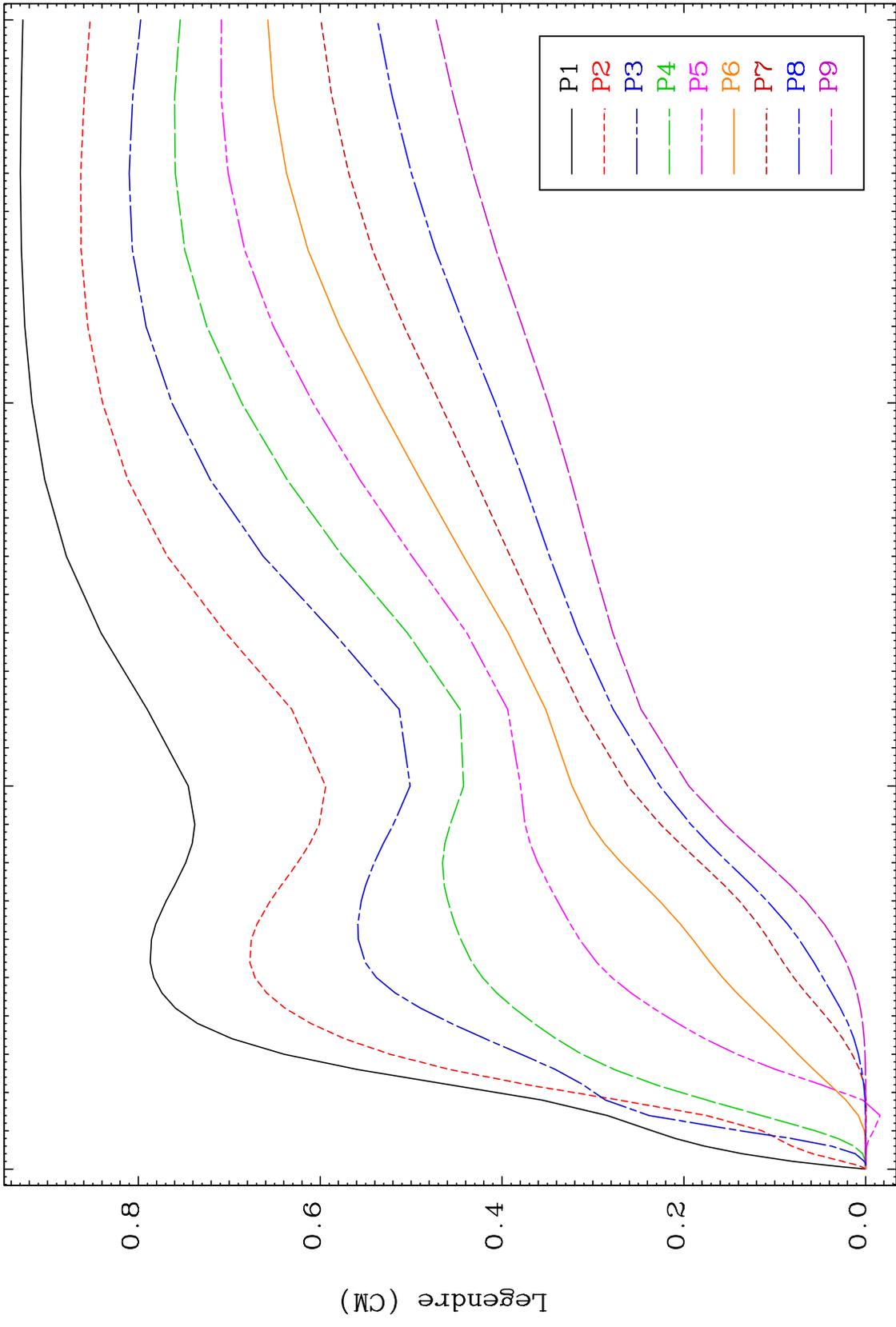




MAT 8328

Elastic Legendre Coefficients

83-Bi-210

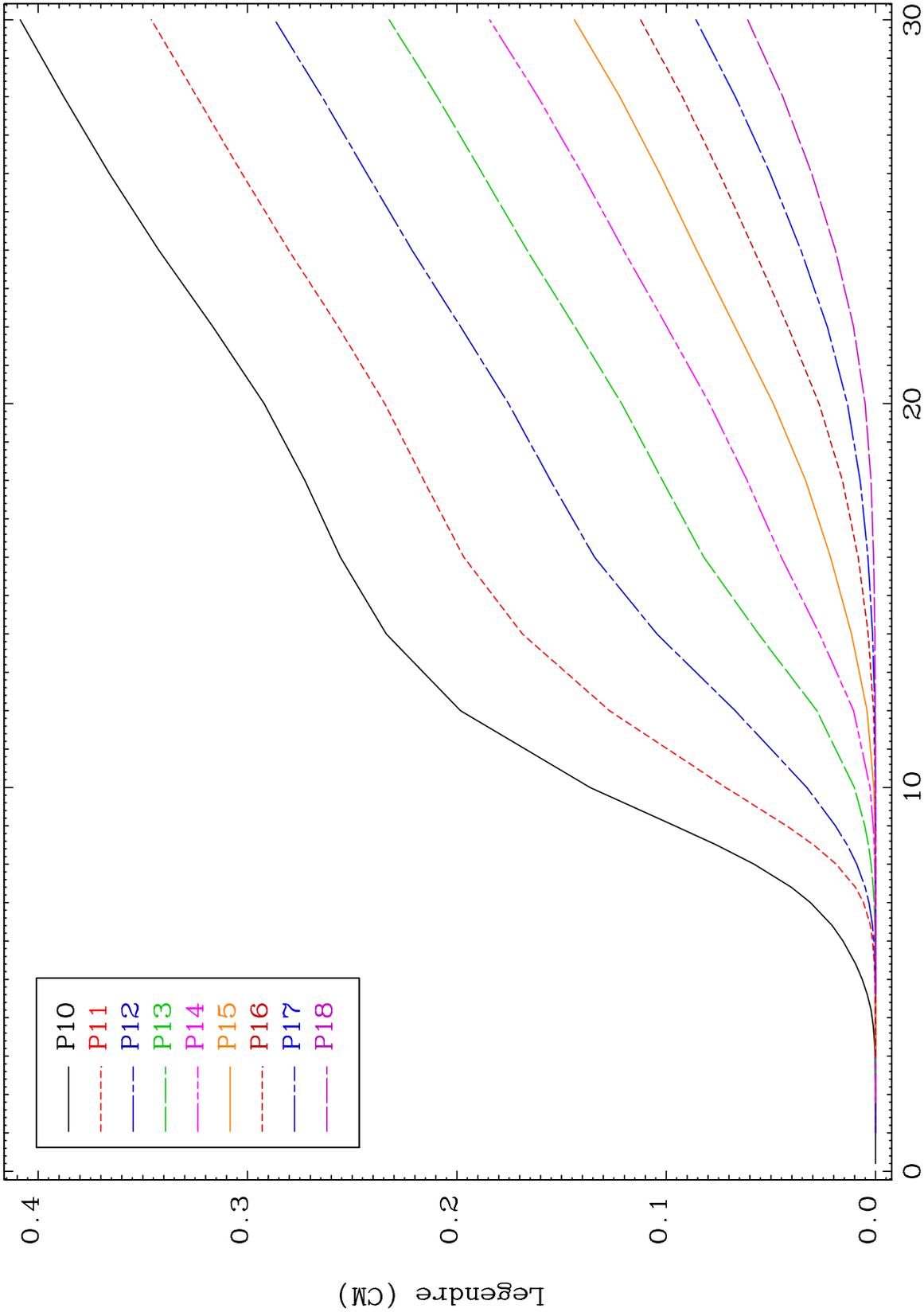


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Incident Energy (MeV)

83-Bi-210

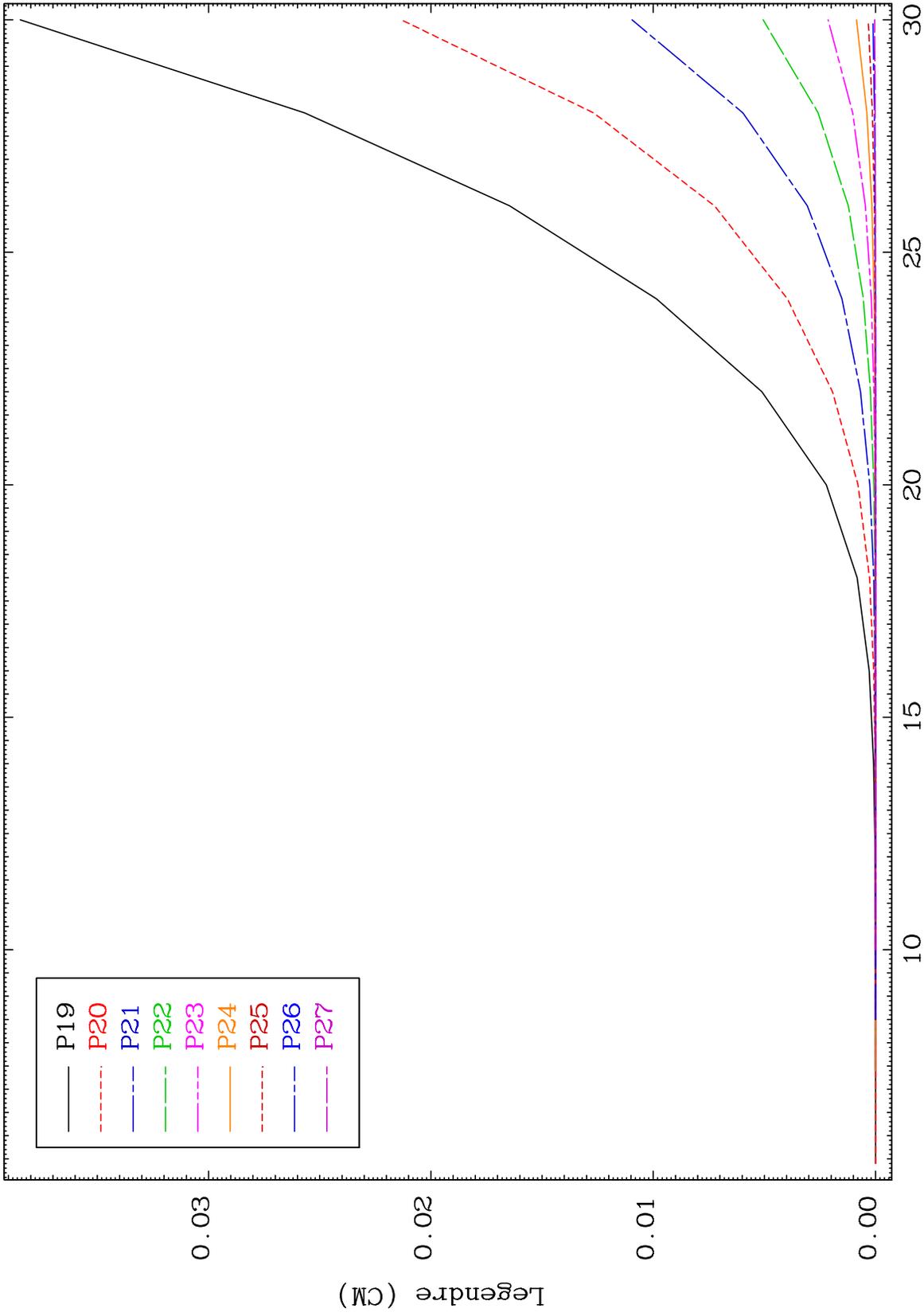
Elastic Legendre Coefficients



MAT 8328

### Elastic Legendre Coefficients

83-Bi-210



18

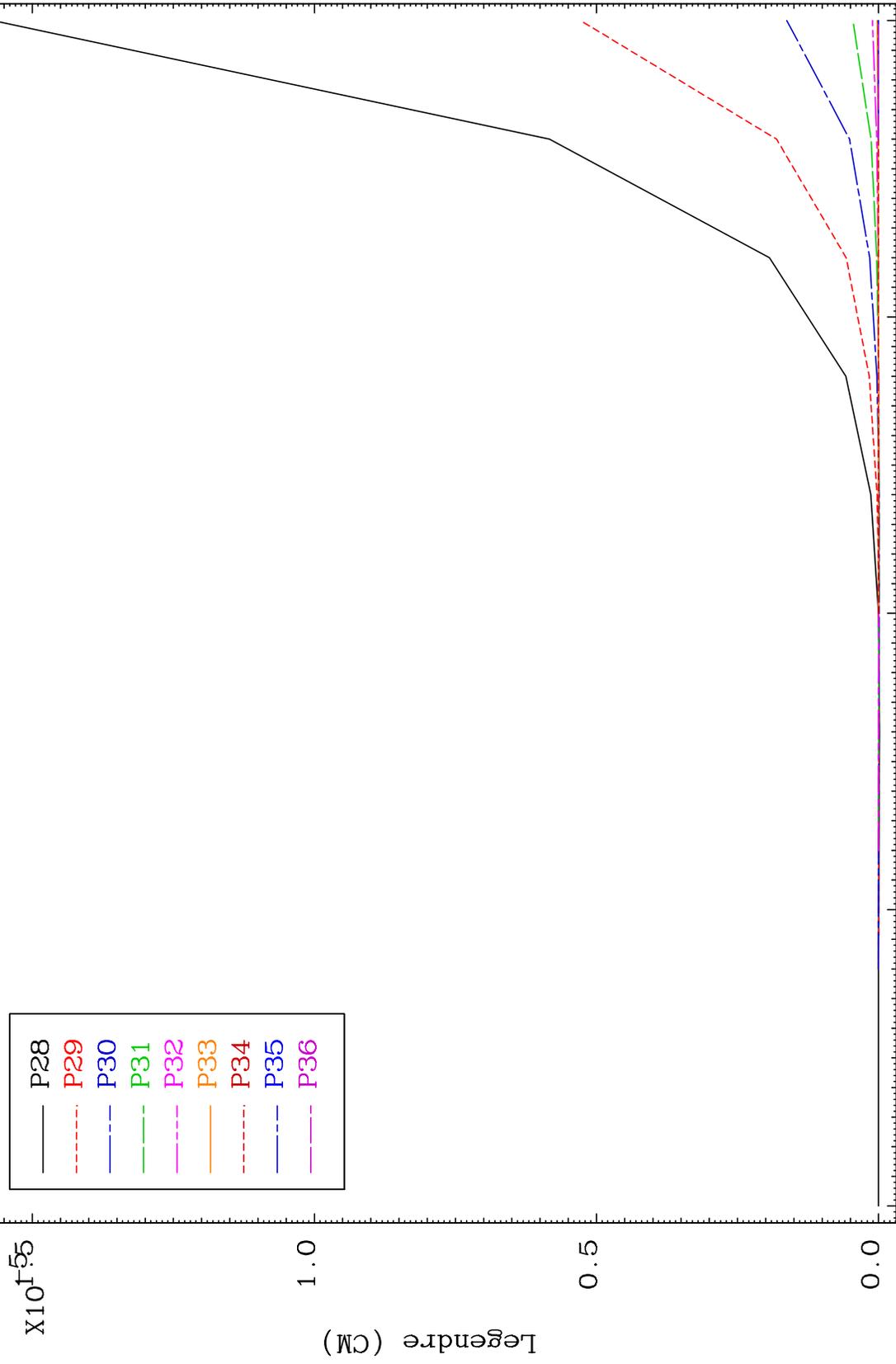
Incident Energy (MeV)

83-Bi-210

MAT 8328

Elastic Legendre Coefficients

83-Bi-210



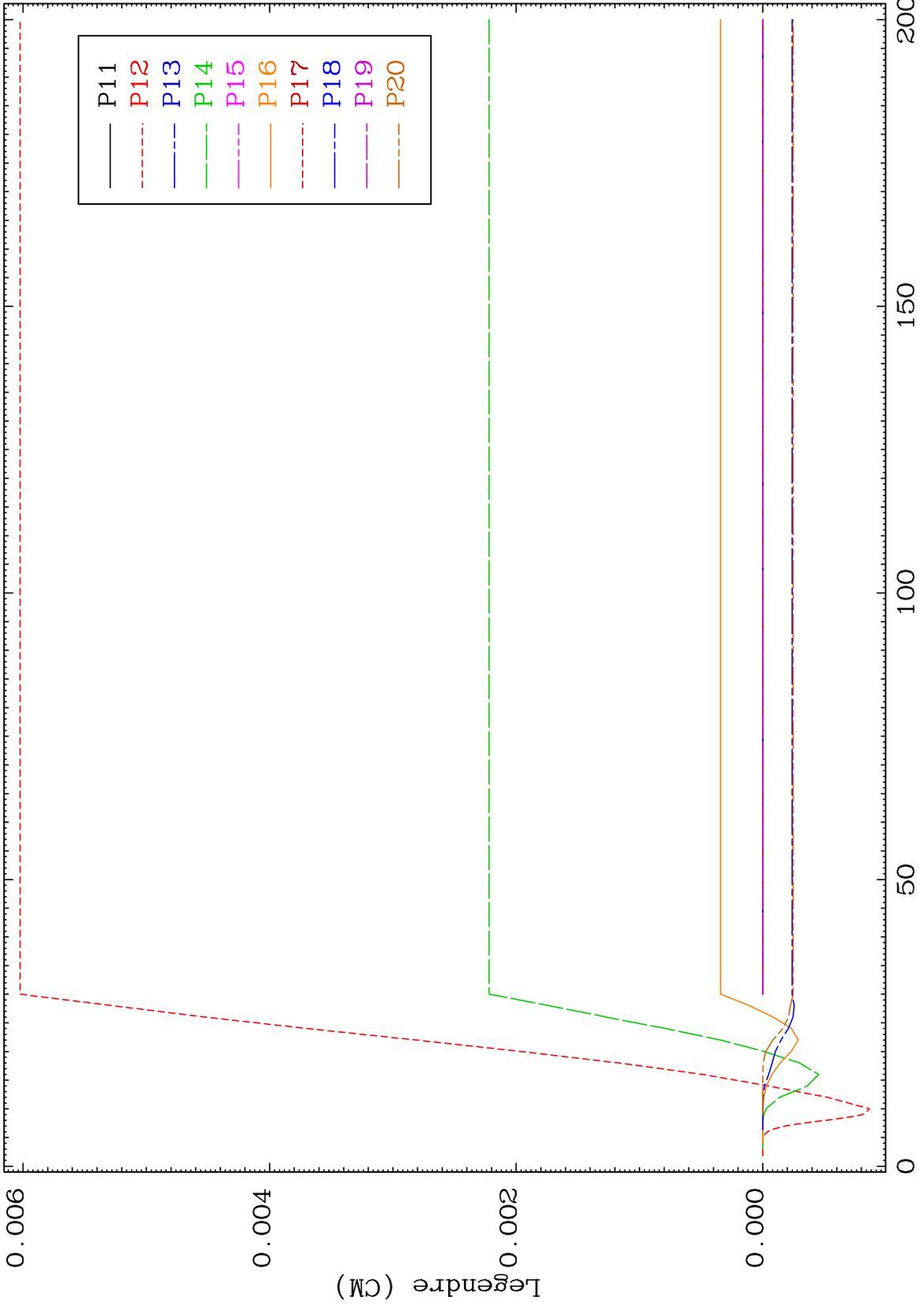
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Incident Energy (MeV)

83-Bi-210



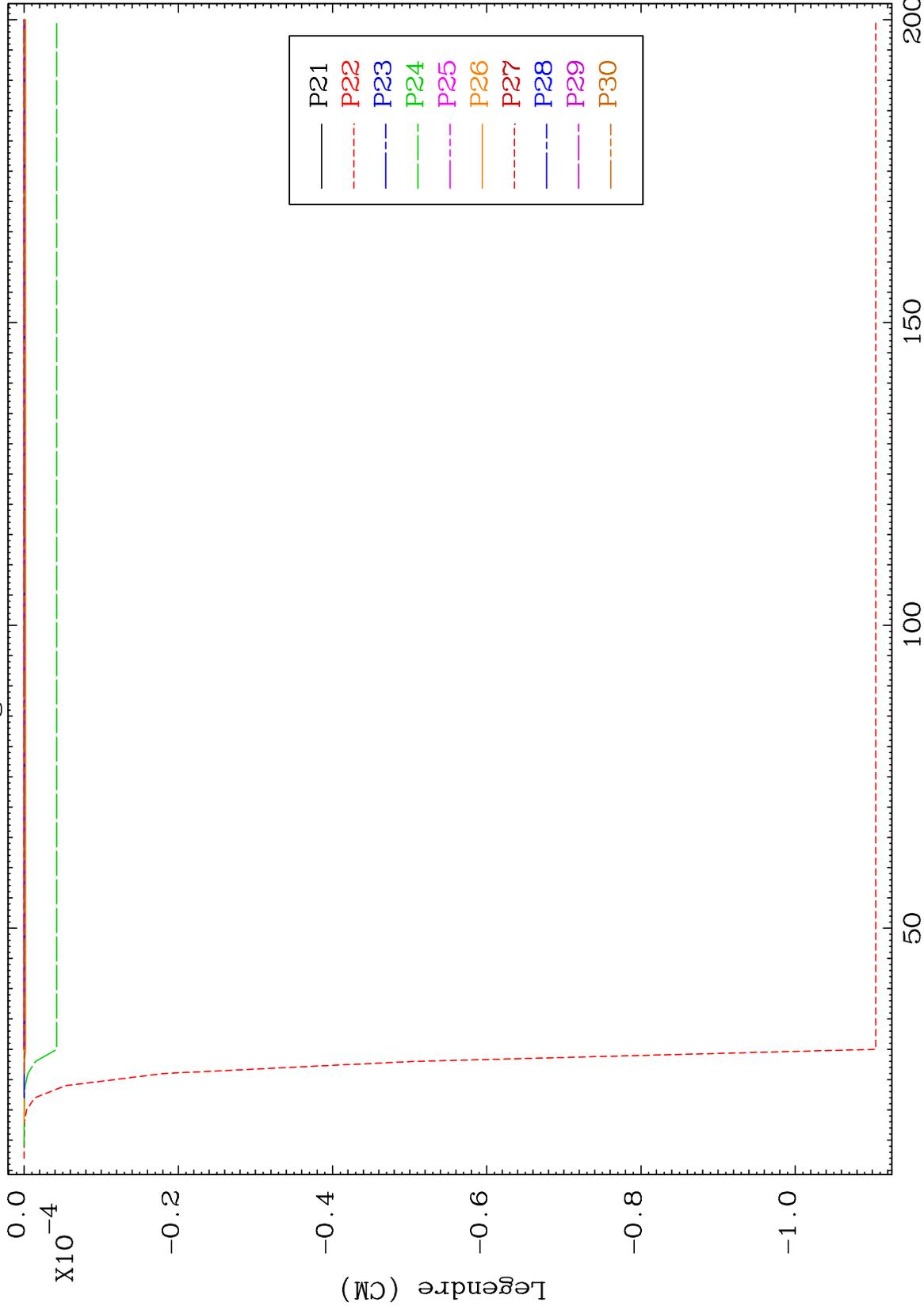
MAT 8328 MT= 51 (n,n') Level Legendre Coefficients 83-Bi-210



21 83-Bi-210

MAT 8328 MT= 51 (n,n') Level 83-Bi-210

Legendre Coefficients



83-Bi-210

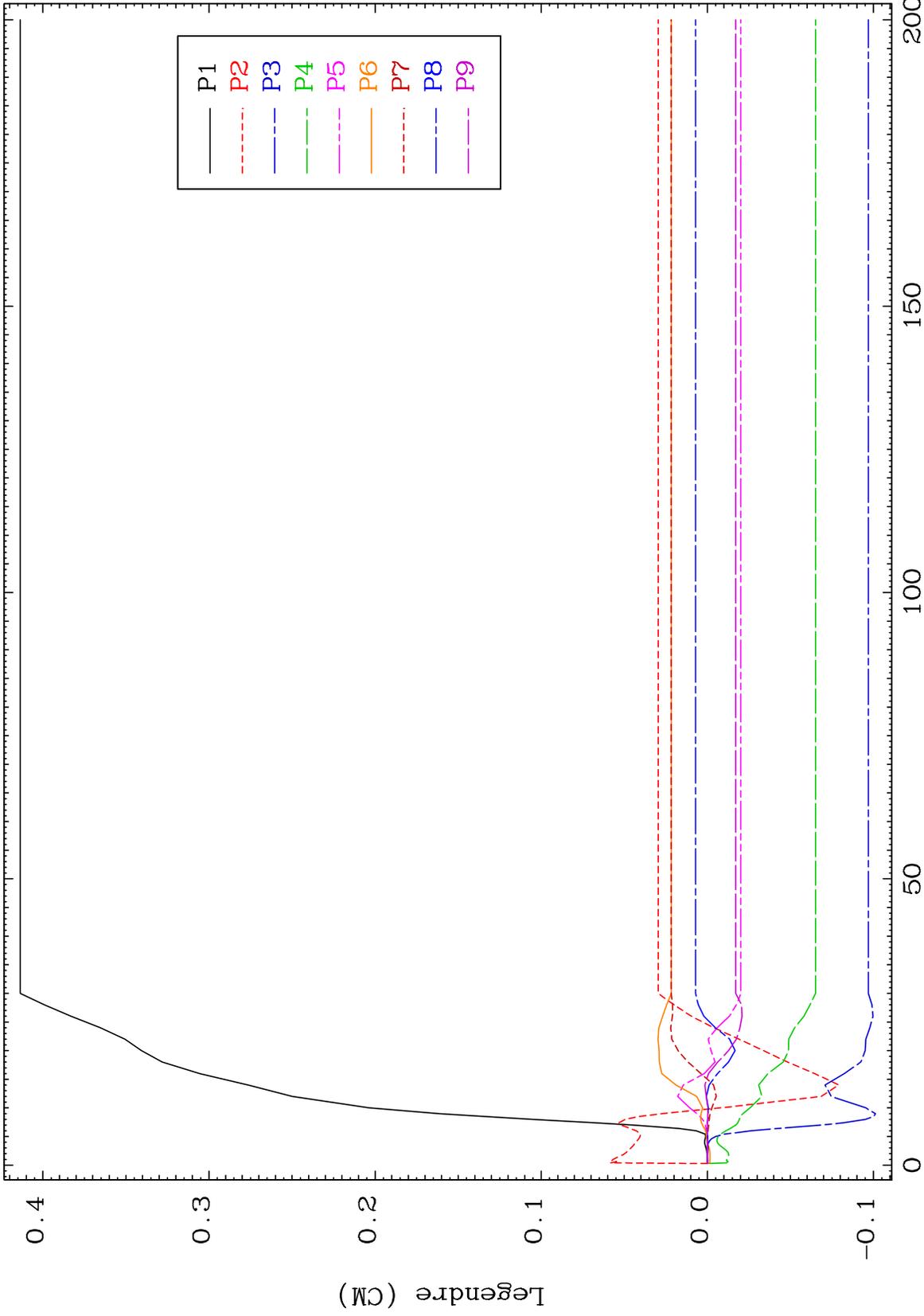
Incident Energy (MeV)

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MAT 8328

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

83-Bi-210



23

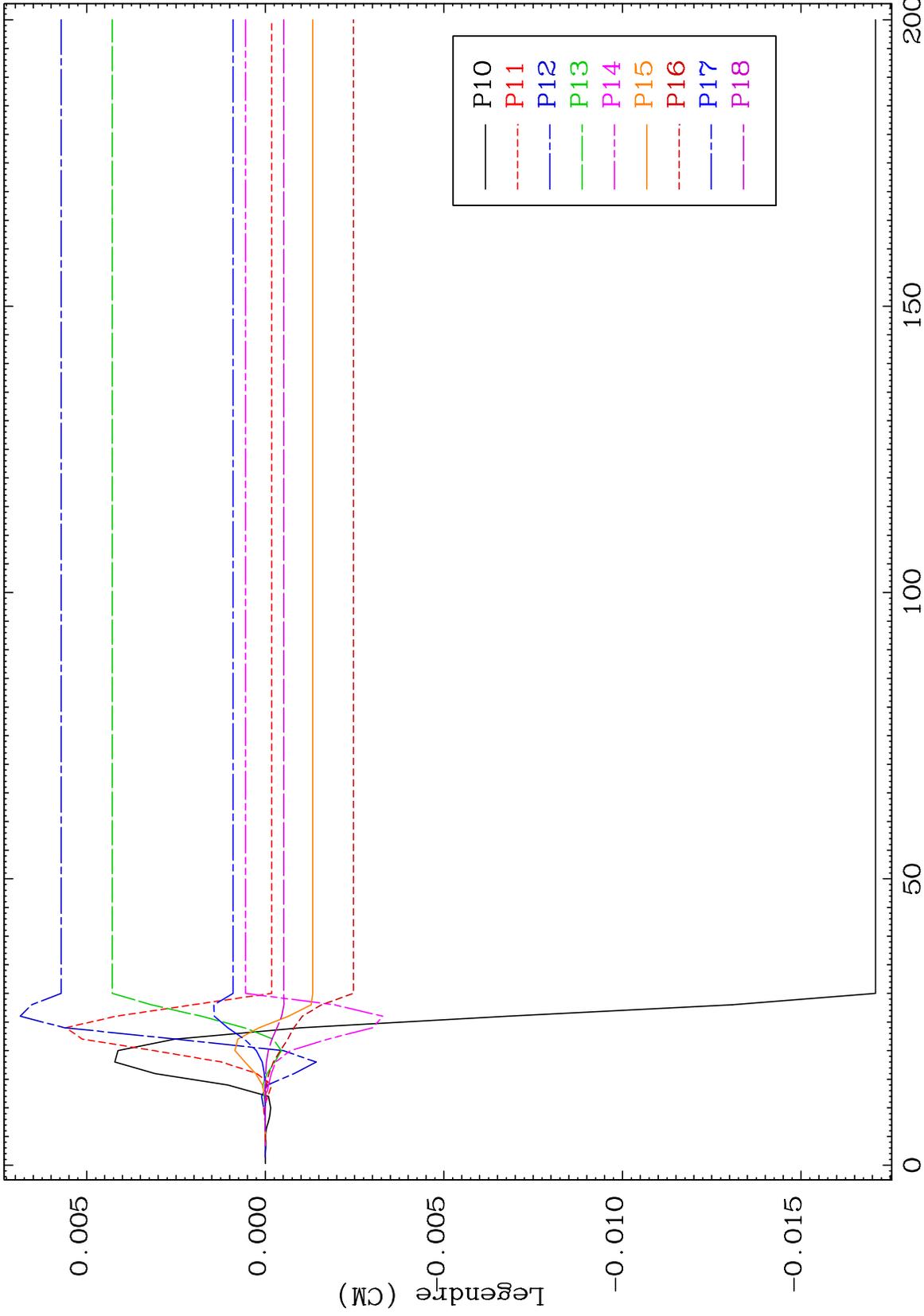
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



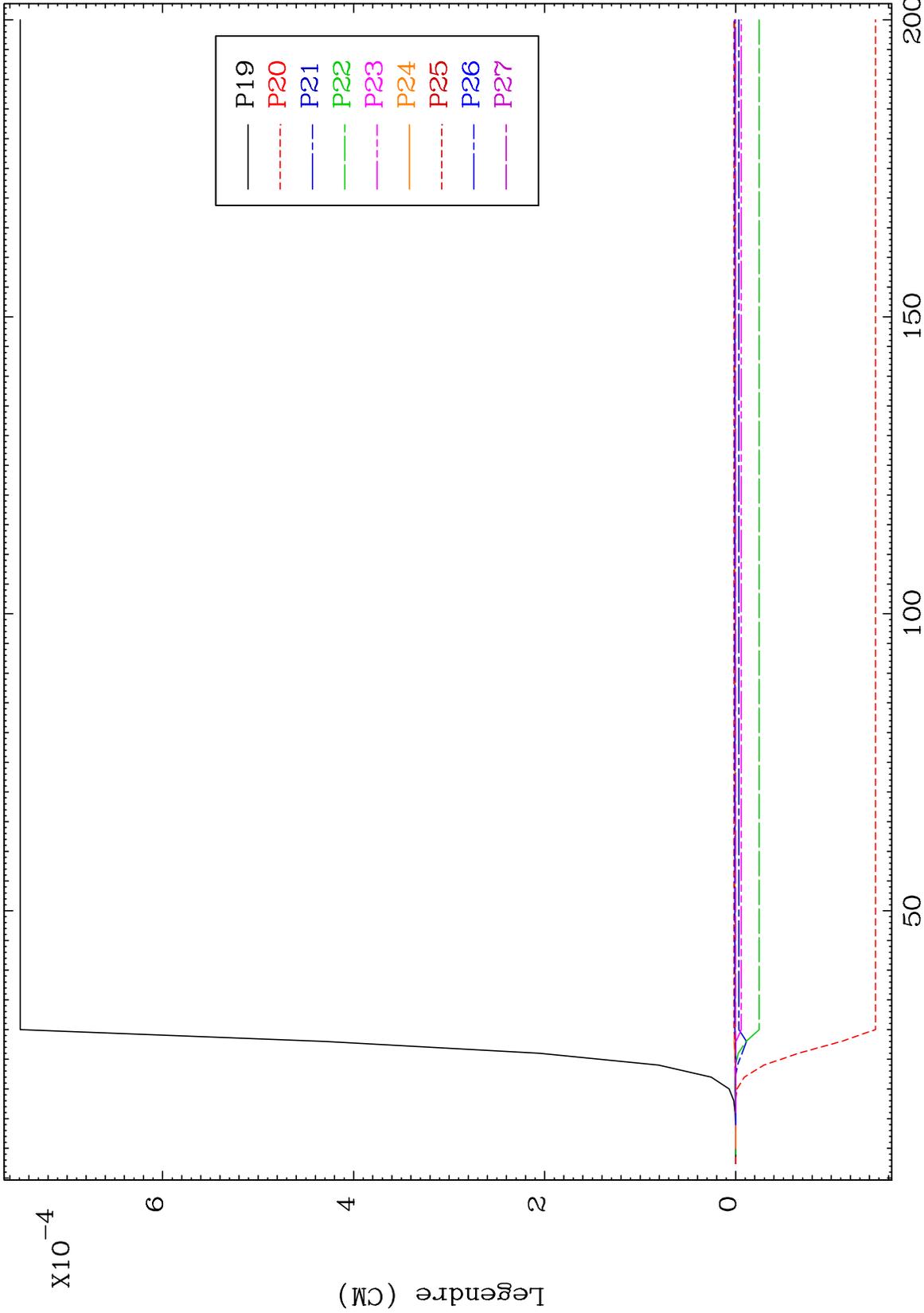
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83-Bi-210

MAT 8328

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

83-Bi-210



25

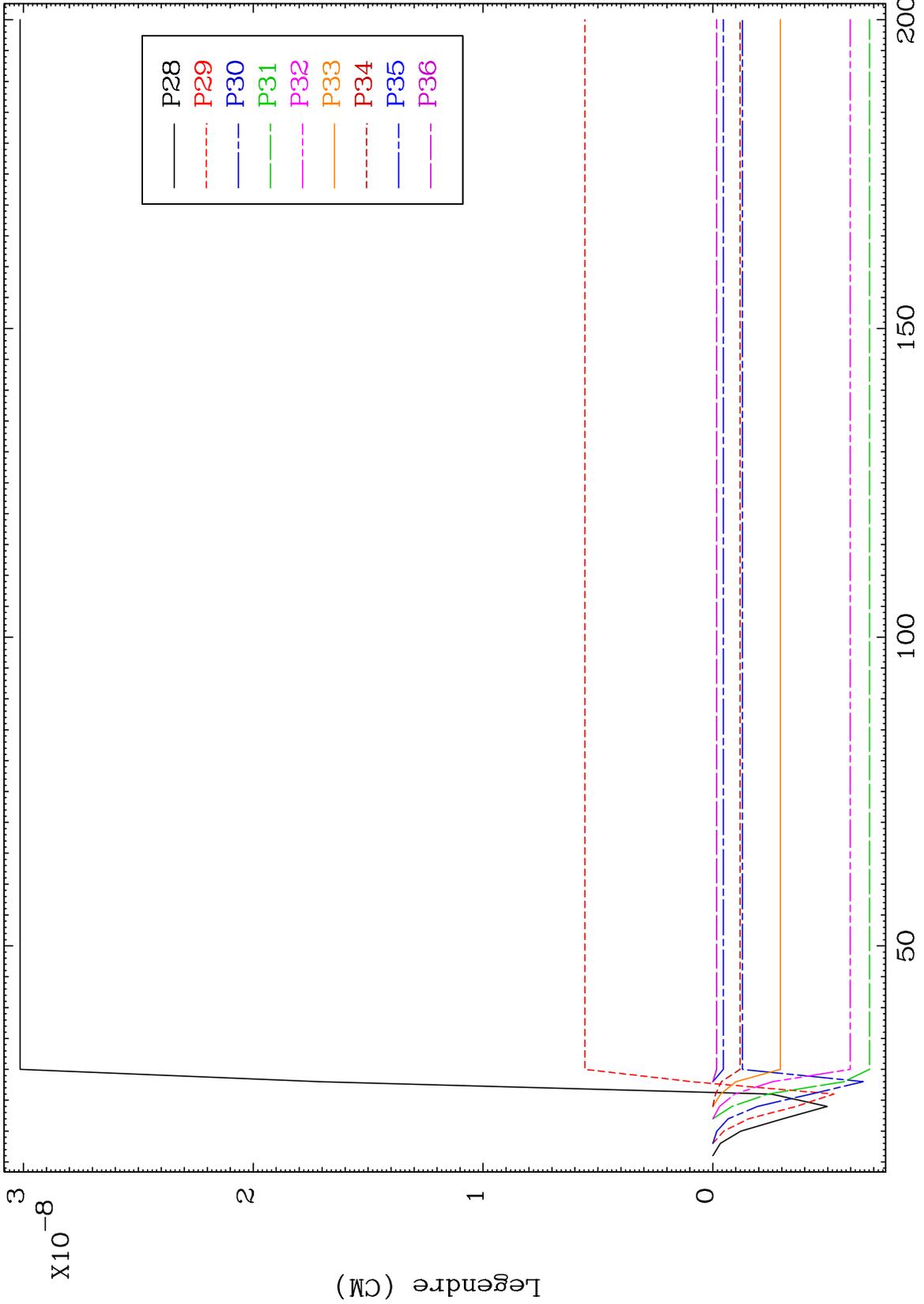
Incident Energy (MeV)

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MAT 8328

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

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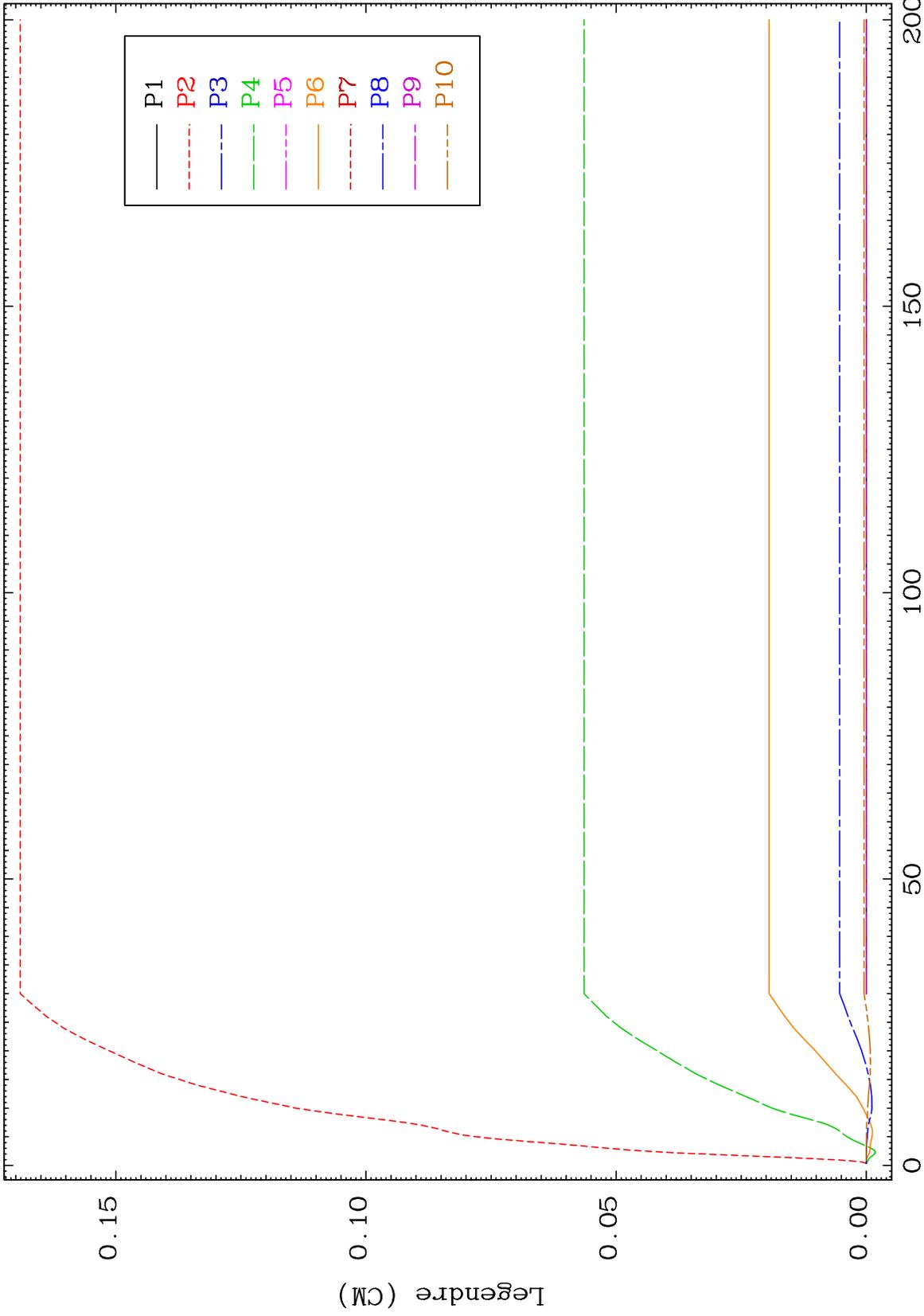
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83-Bi-210

MAT 8328

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

83-Bi-210



27

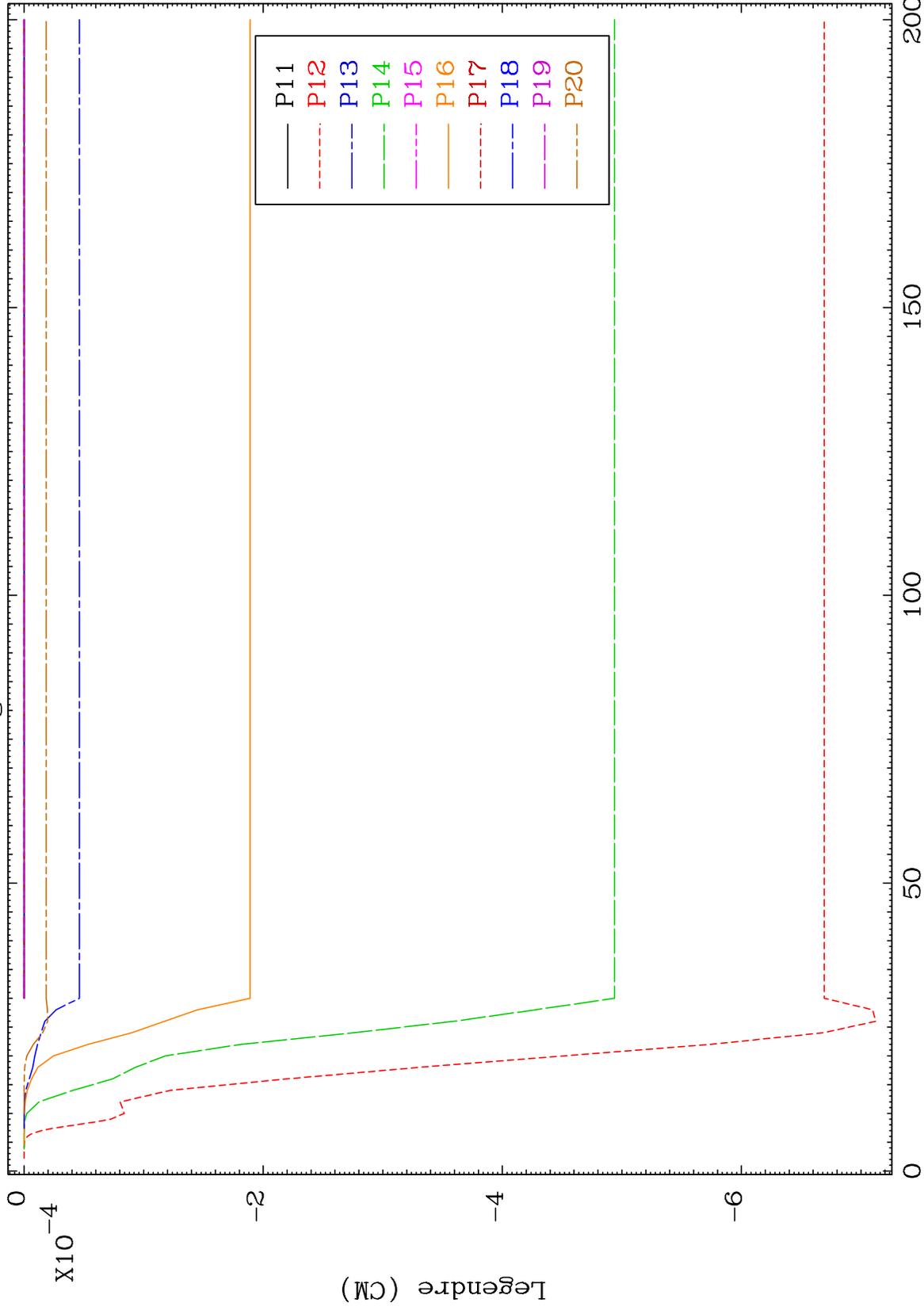
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



28

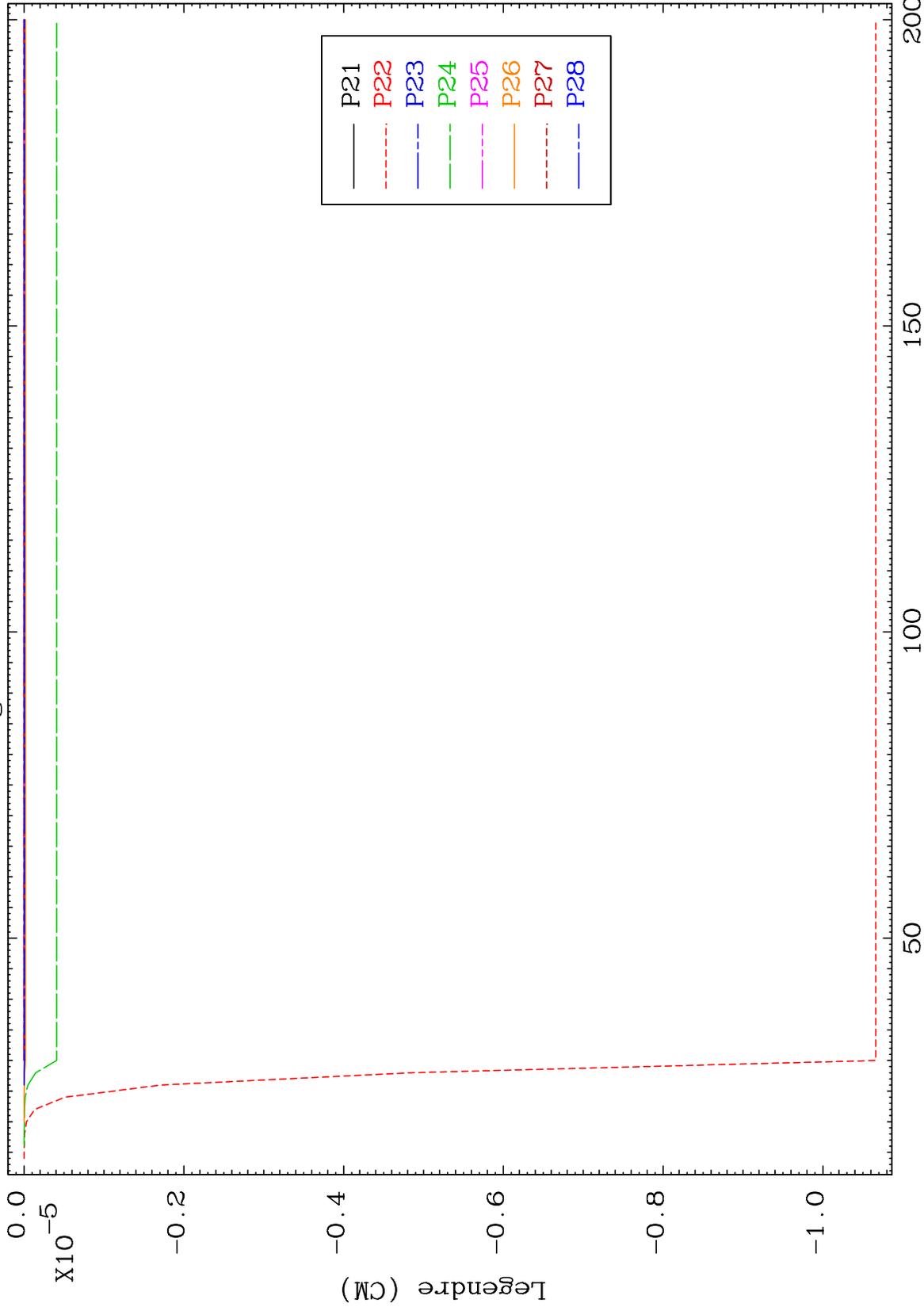
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



29

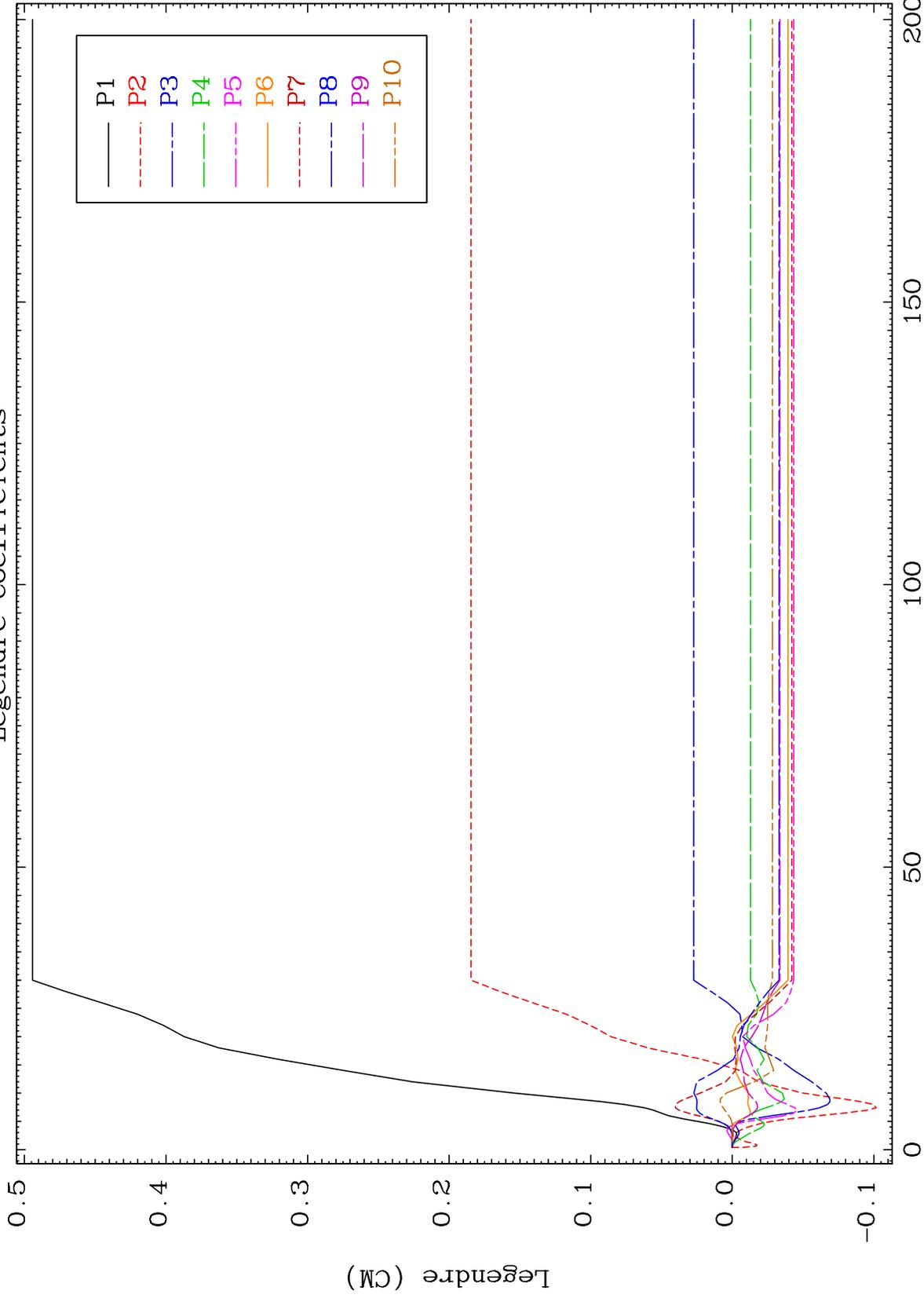
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



83-Bi-210

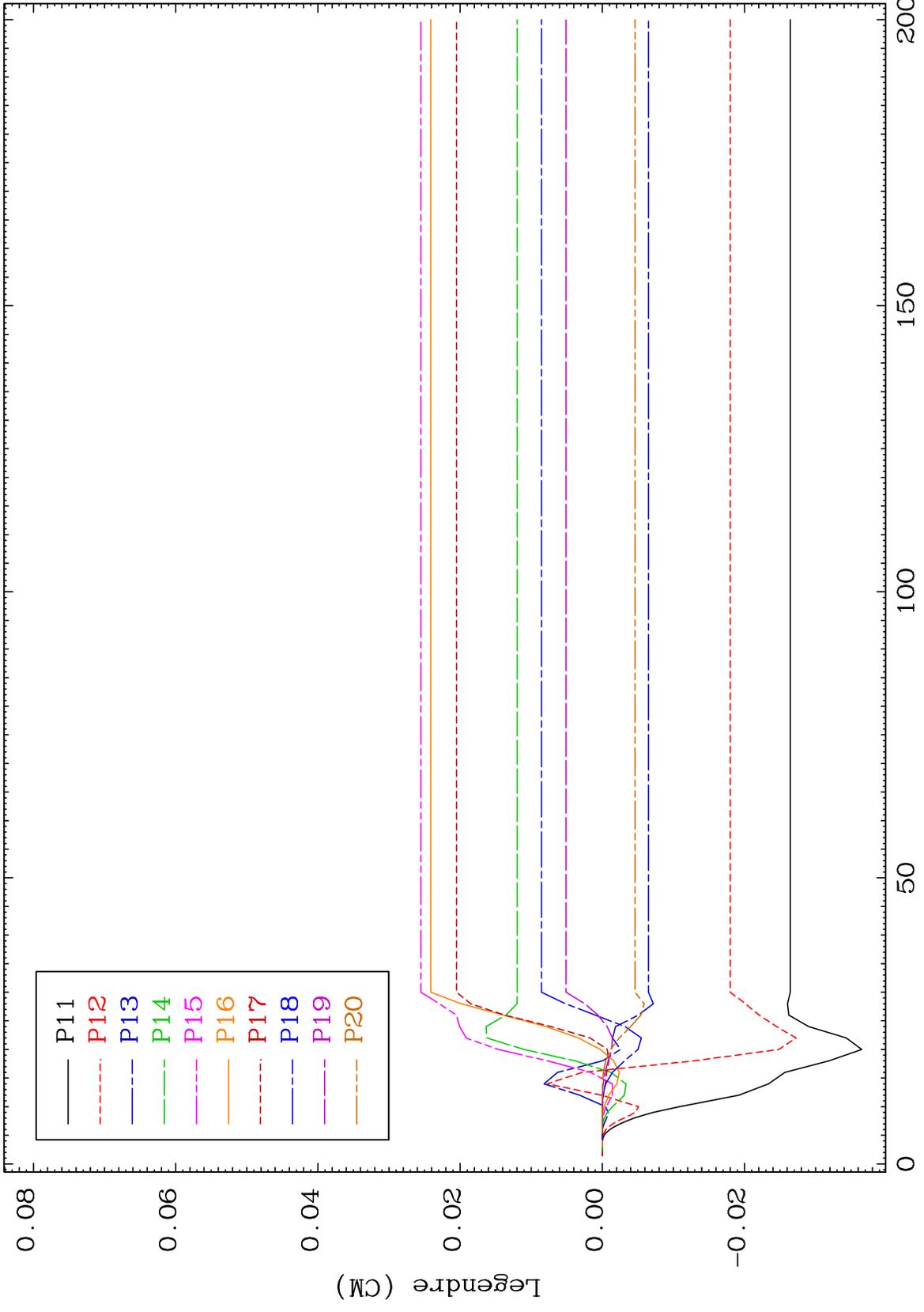
Incident Energy (MeV)

Legendre (CM)

MAT 8328

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

83-Bi-210



31

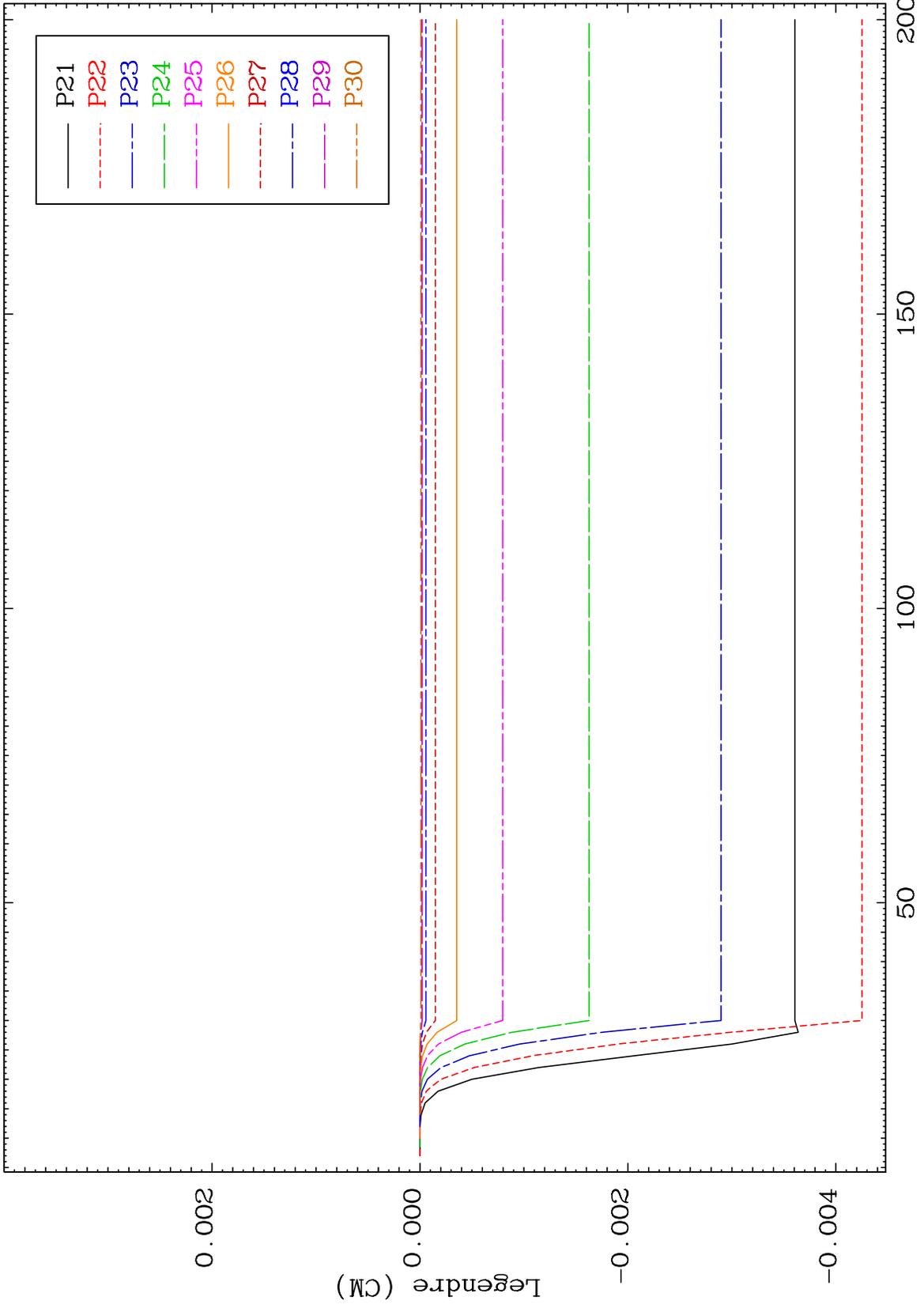
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83-Bi-210

MAT 8328

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

83-Bi-210



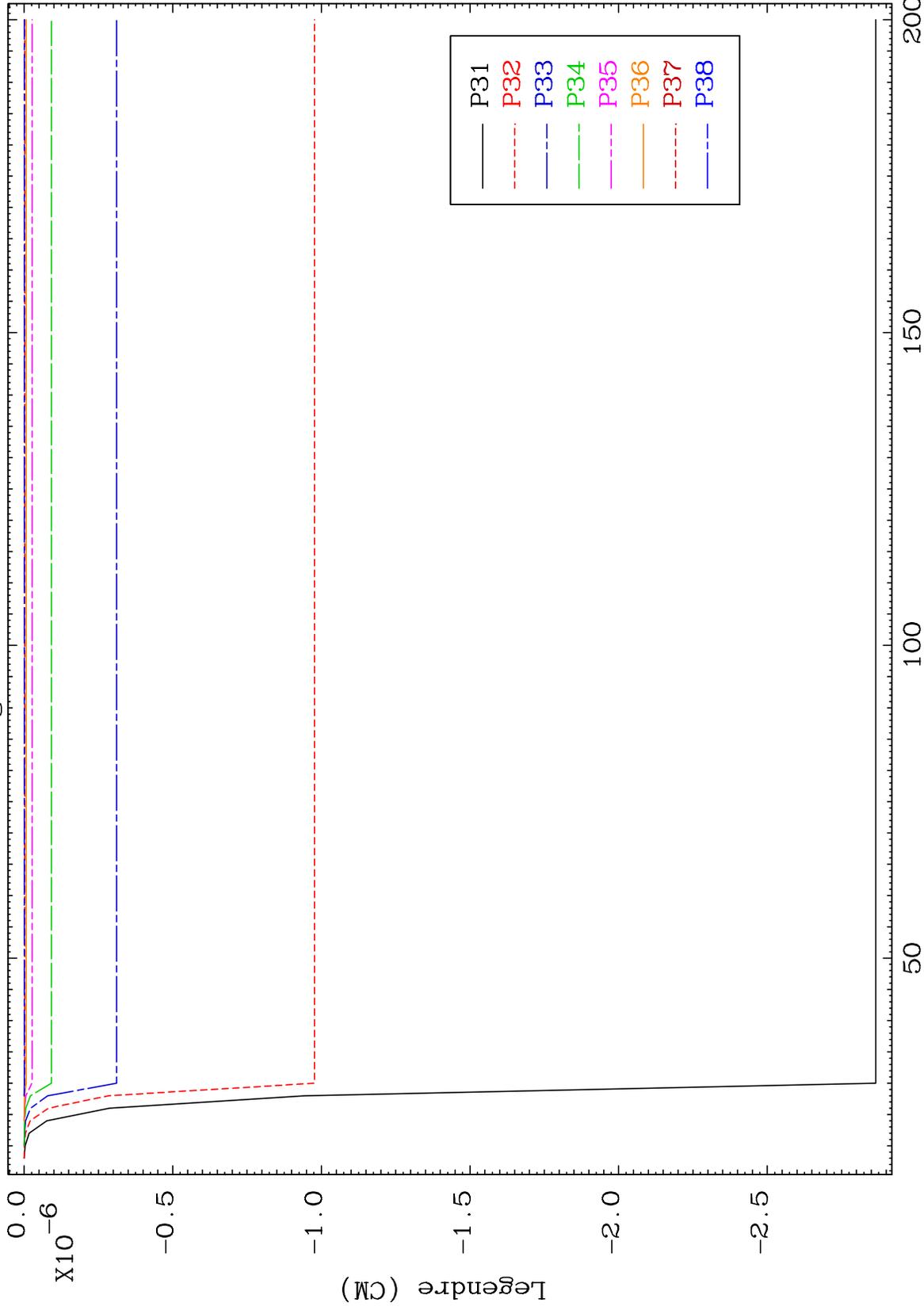
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83-Bi-210

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

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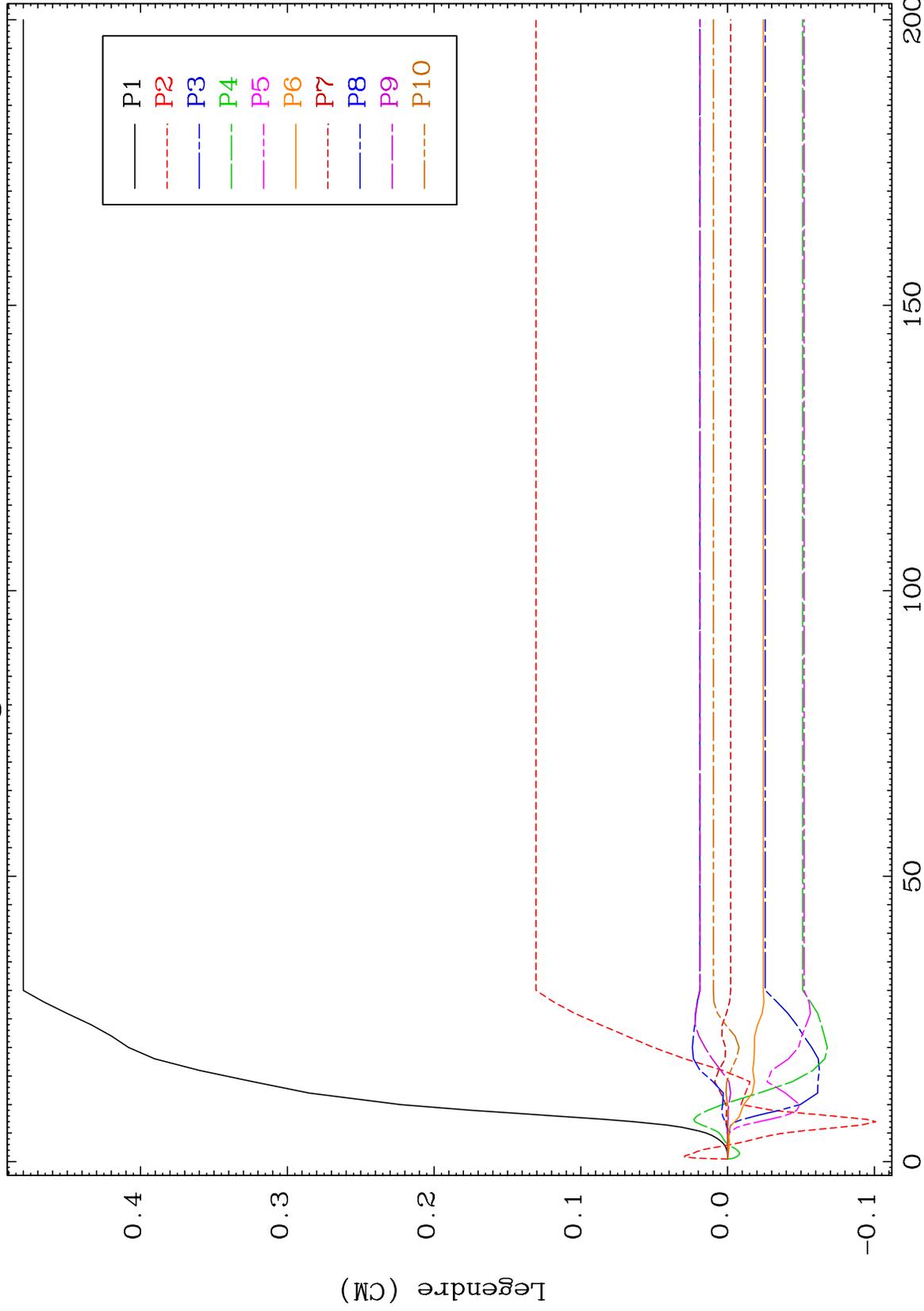
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



34

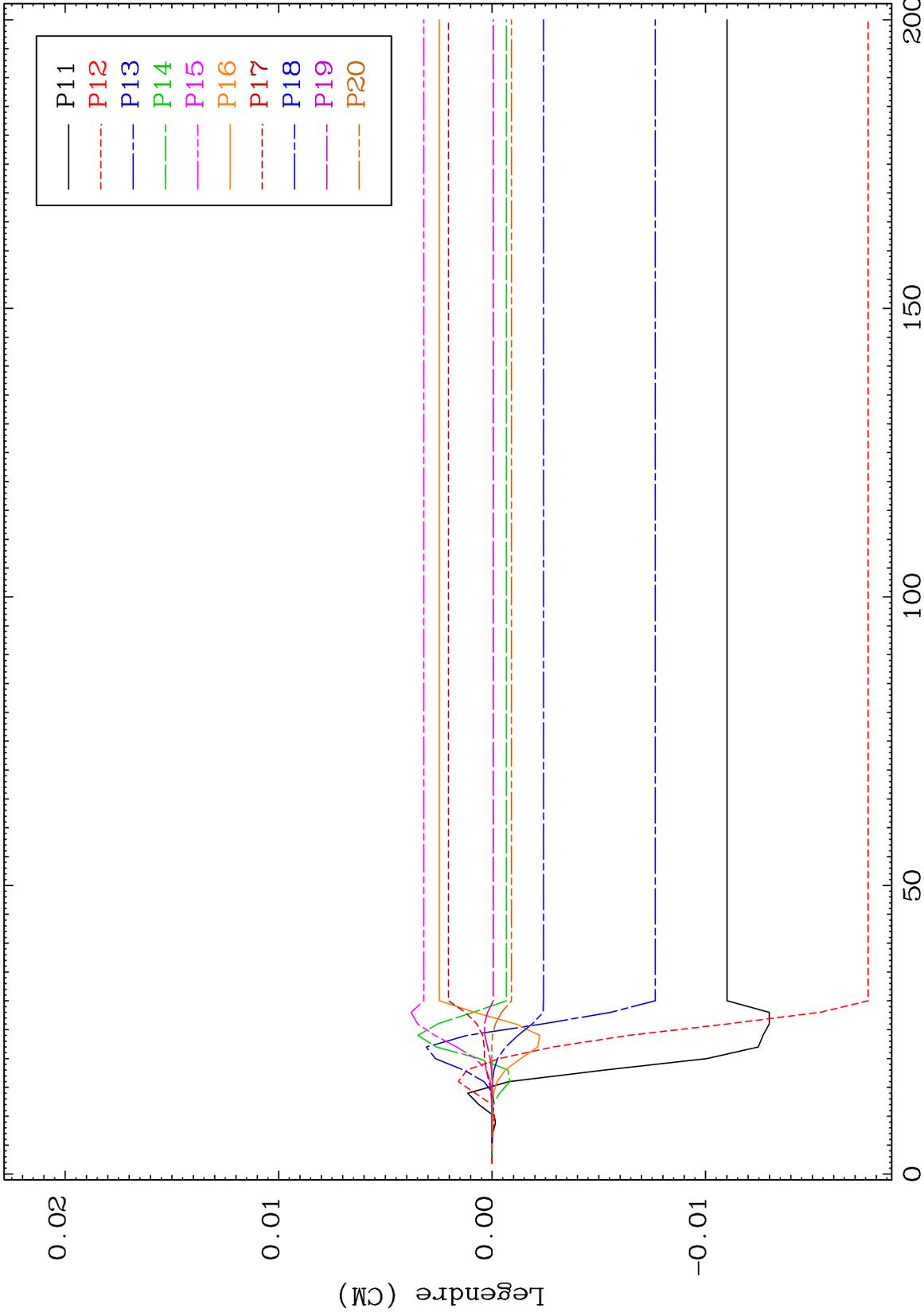
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MT= 55 (n,n') Level  
Legendre Coefficients

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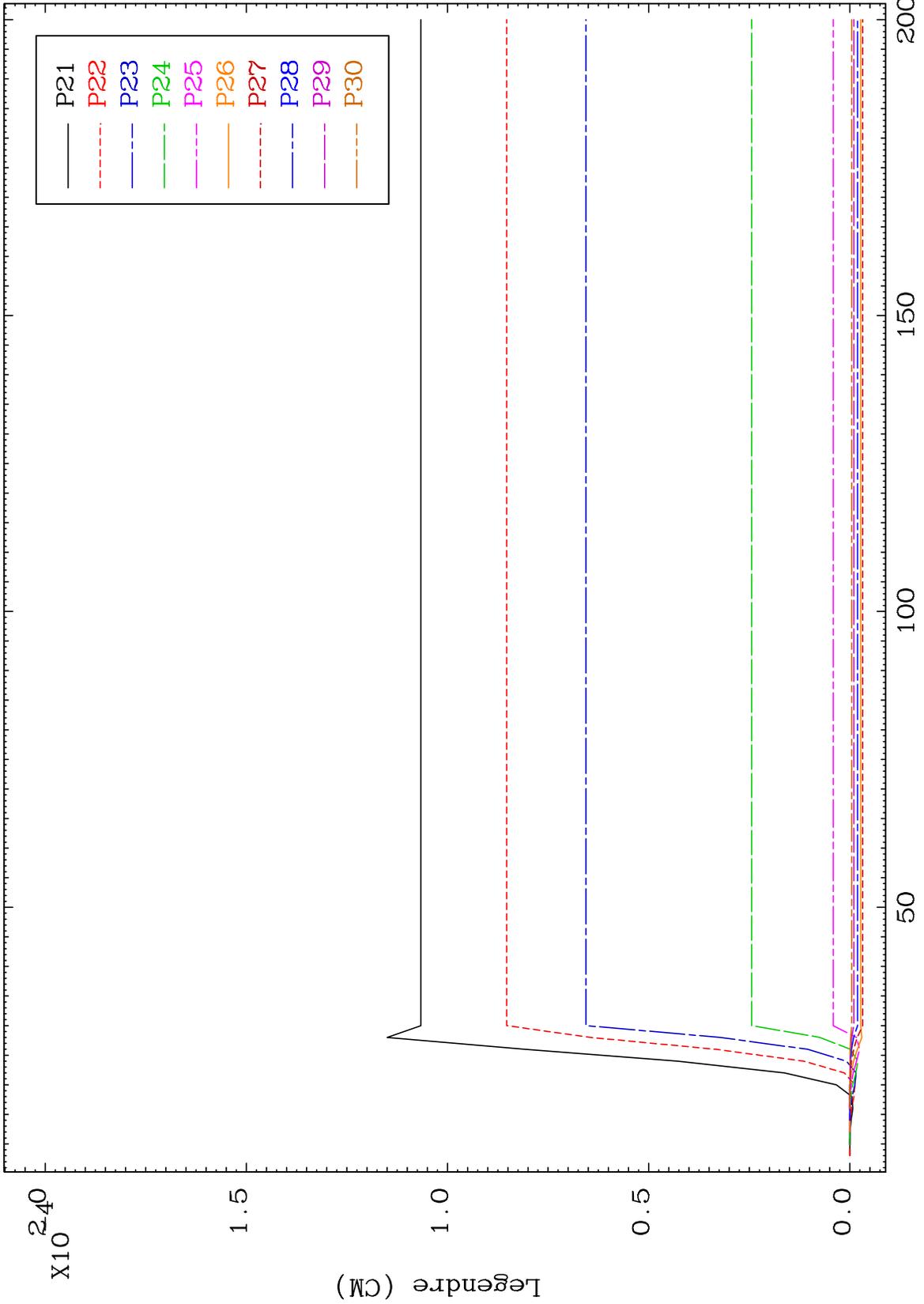
Incident Energy (MeV)

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MAT 8328

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

83-Bi-210



36

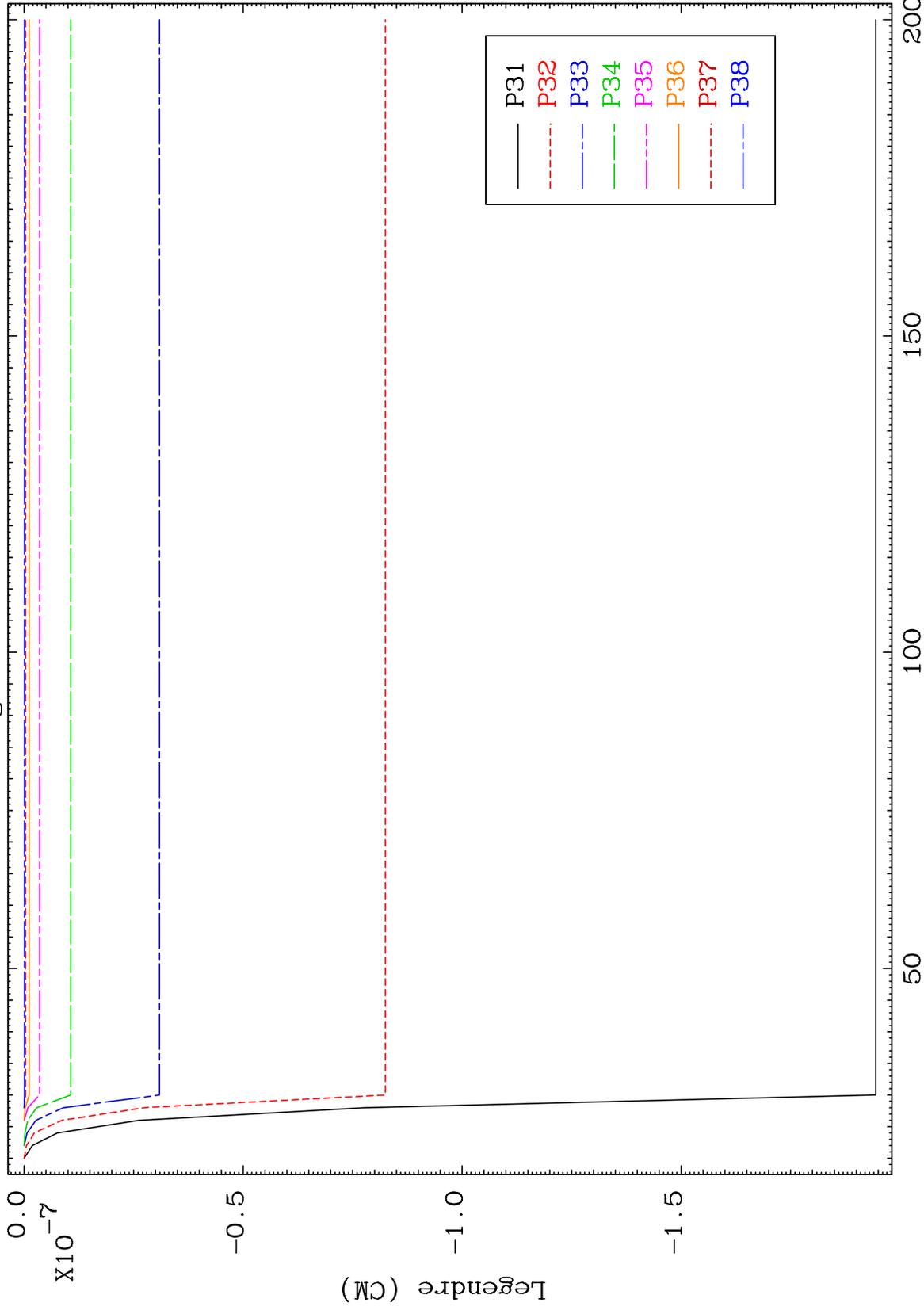
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83-Bi-210

MAT 8328

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

83-Bi-210



83-Bi-210

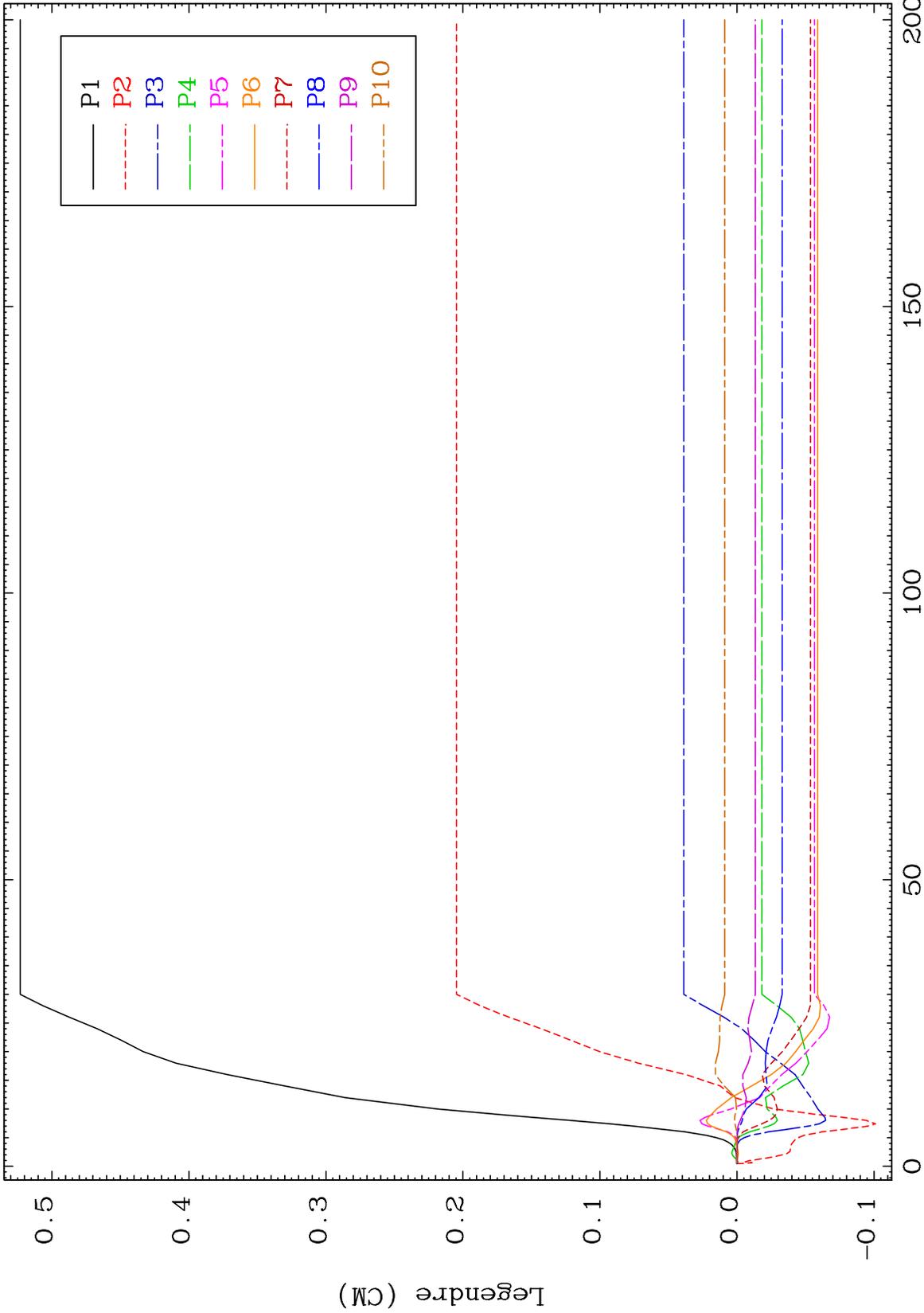
Incident Energy (MeV)

37

MAT 8328

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

83-Bi-210



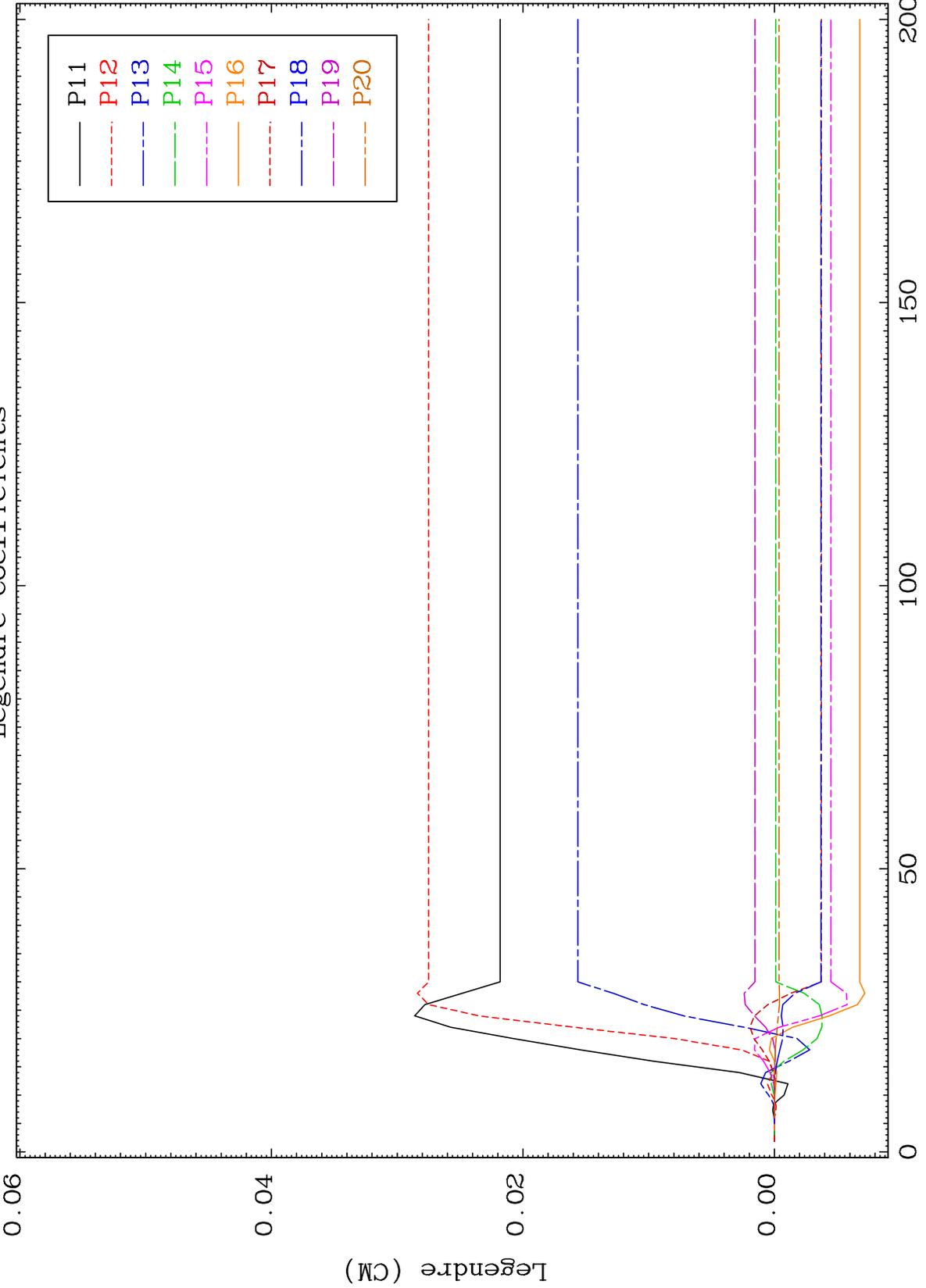
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Incident Energy (MeV)

83-Bi-210

MAT 8328 MT= 56 (n,n') Level Legendre Coefficients

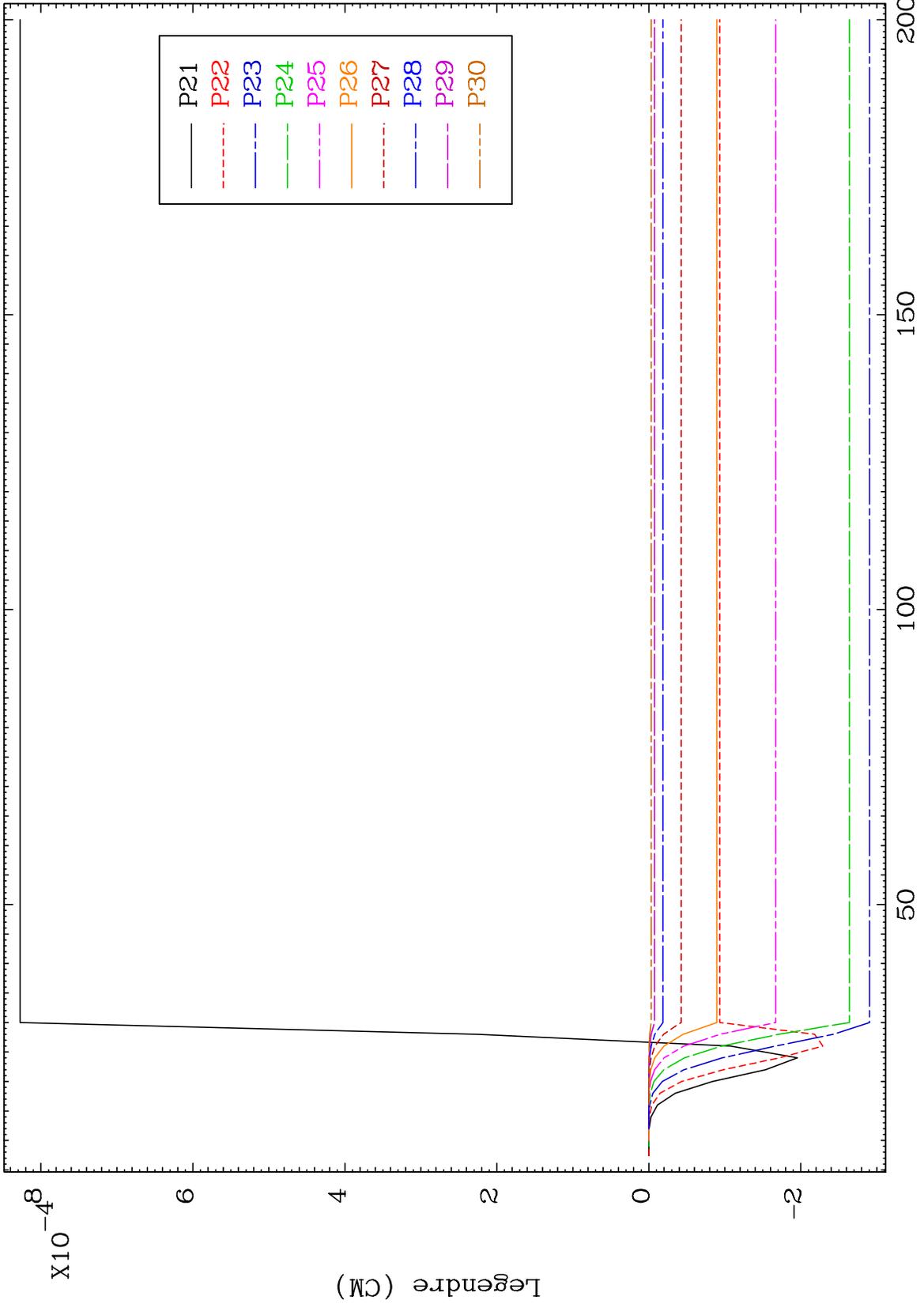
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MAT 8328

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

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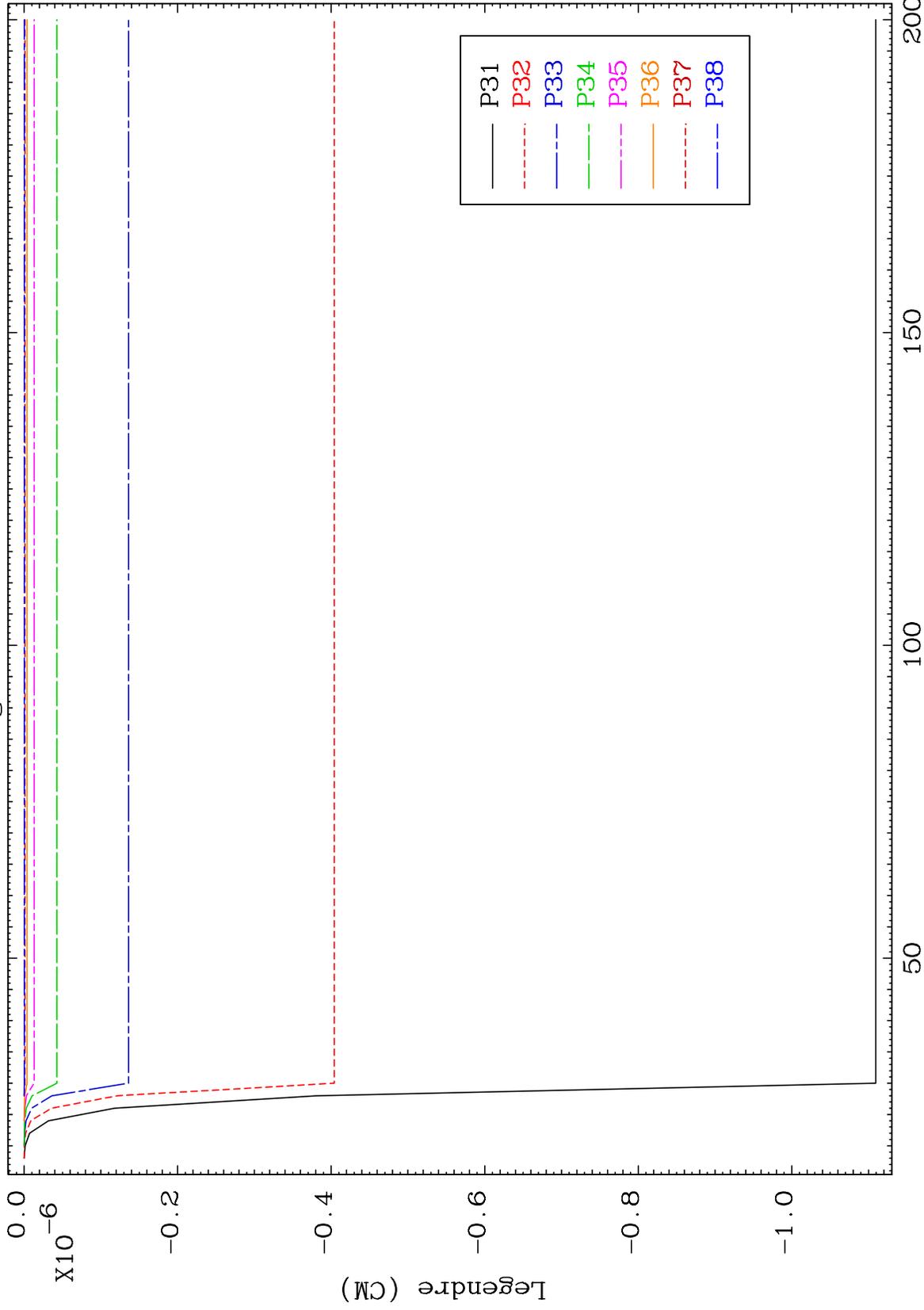
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

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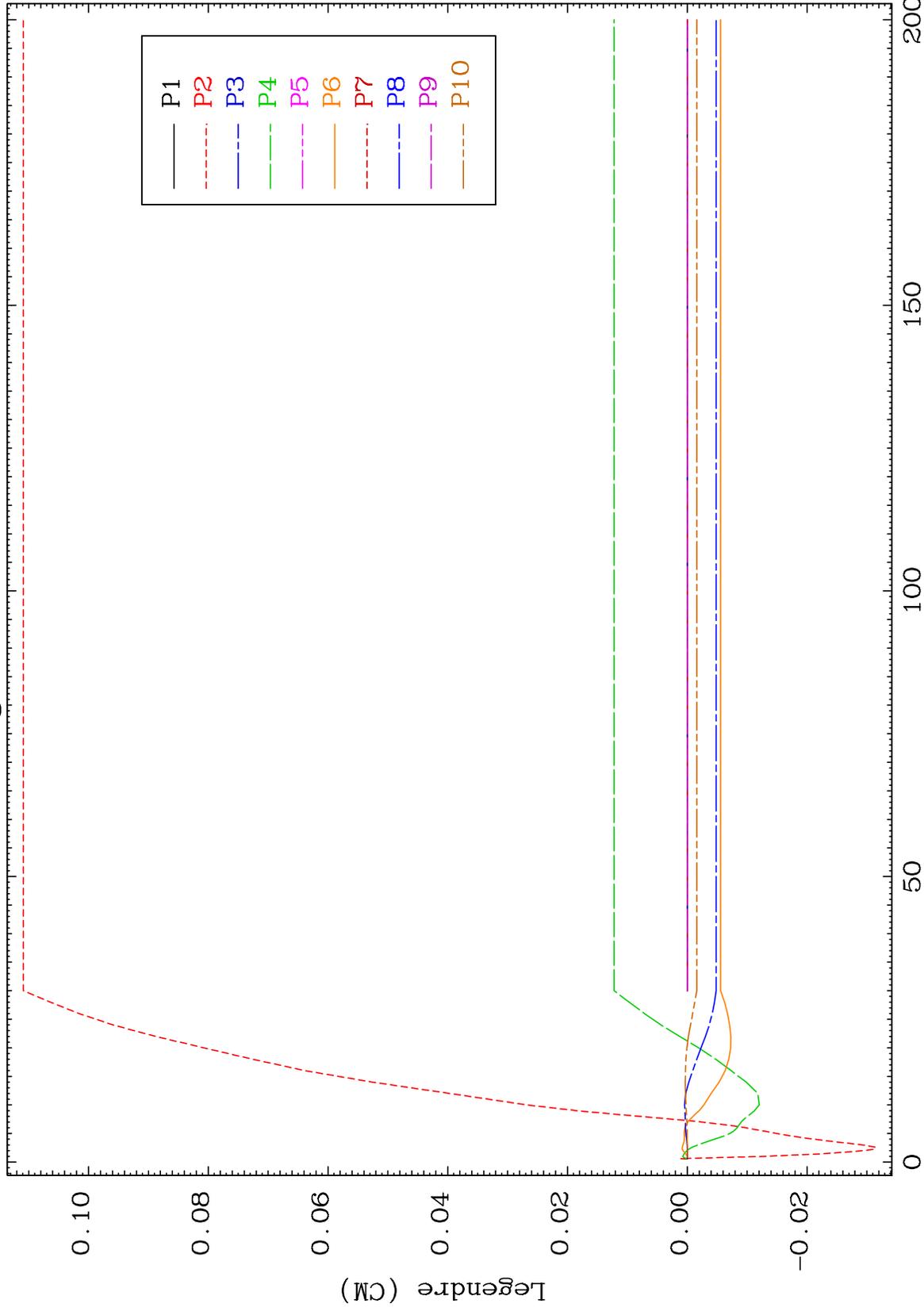
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Legendre Coefficients

83-Bi-210



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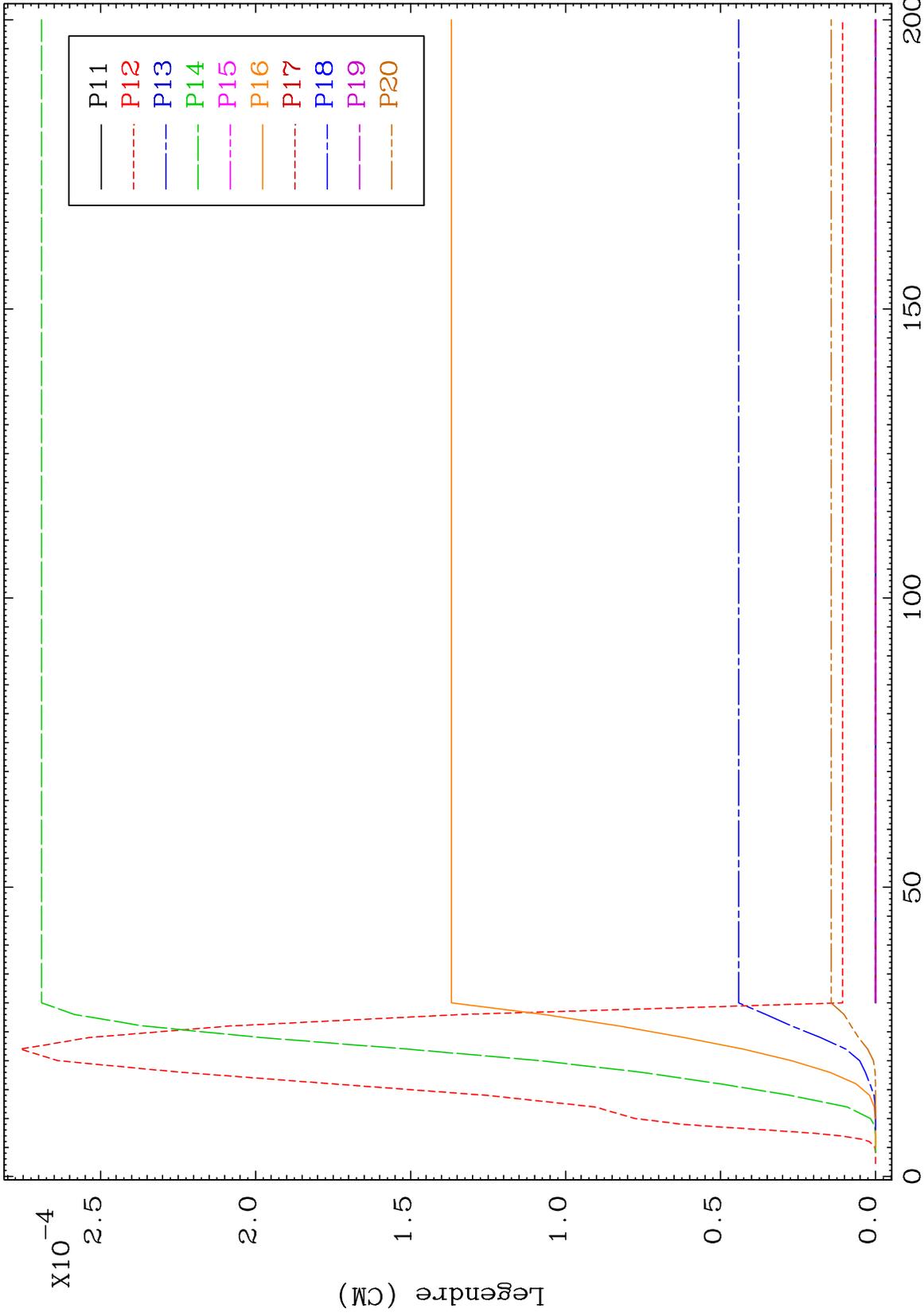
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MT= 57 (n,n') Level  
Legendre Coefficients

83-Bi-210



43

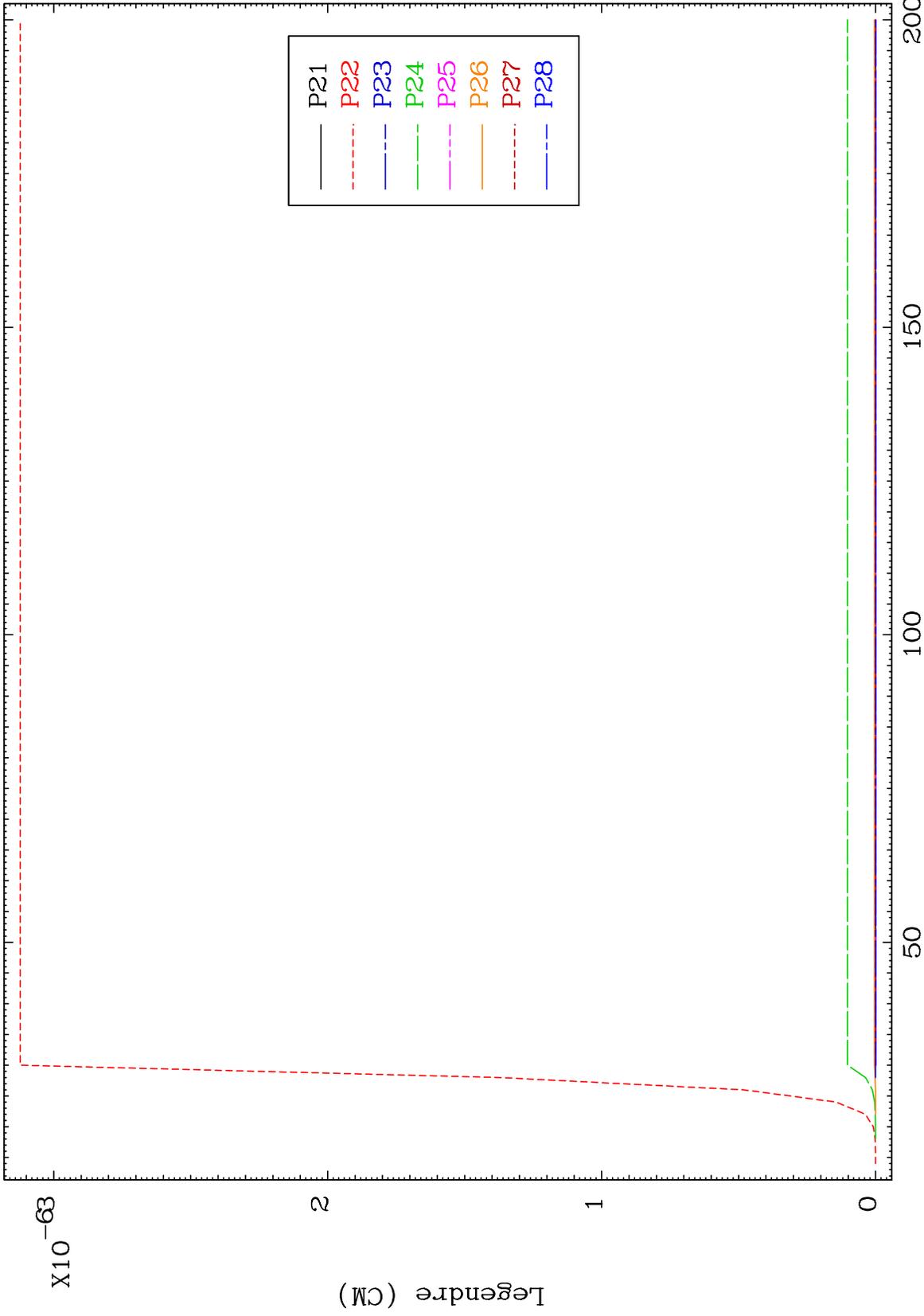
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MT= 57 (n,n') Level  
Legendre Coefficients

83-Bi-210



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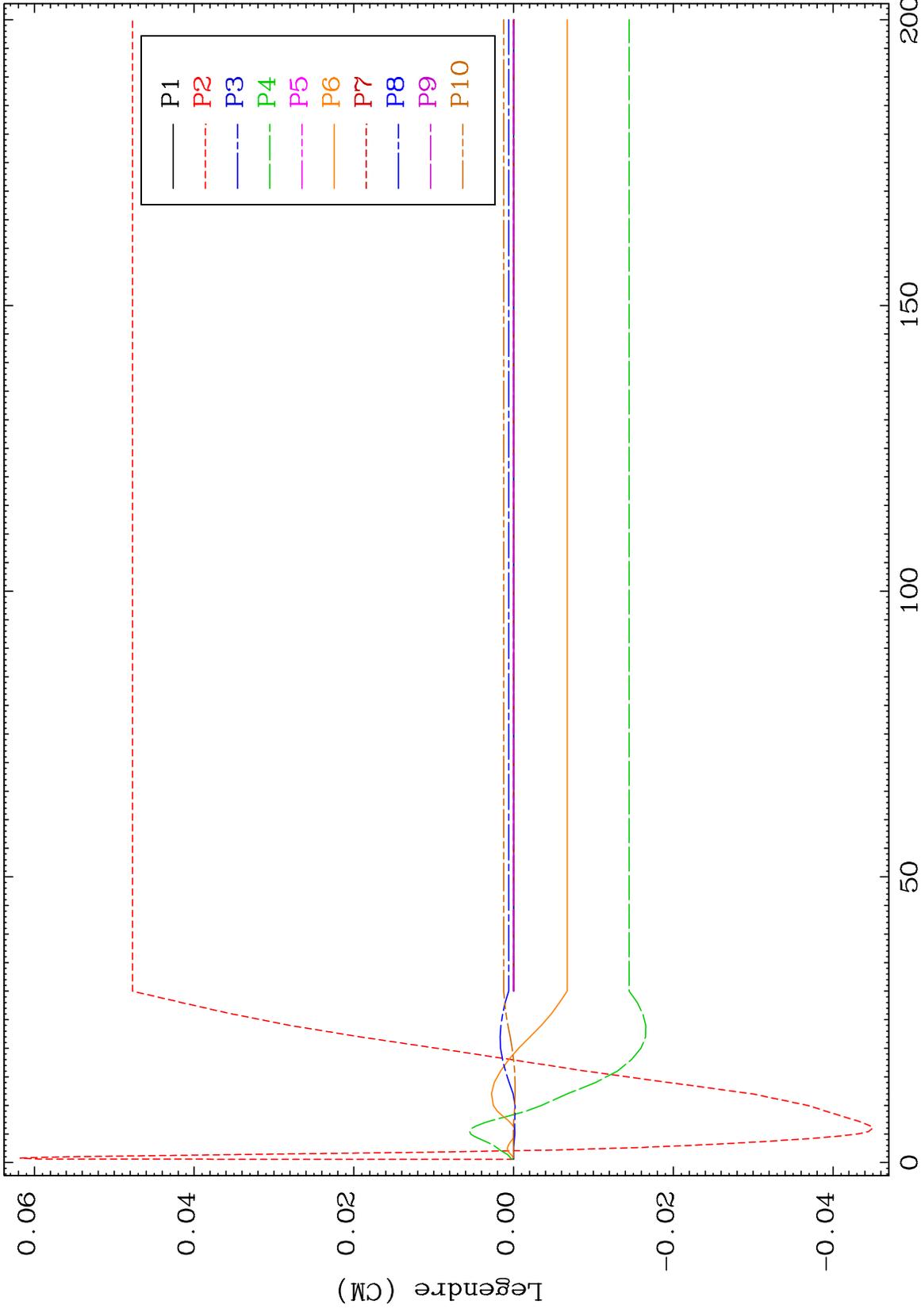
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



45

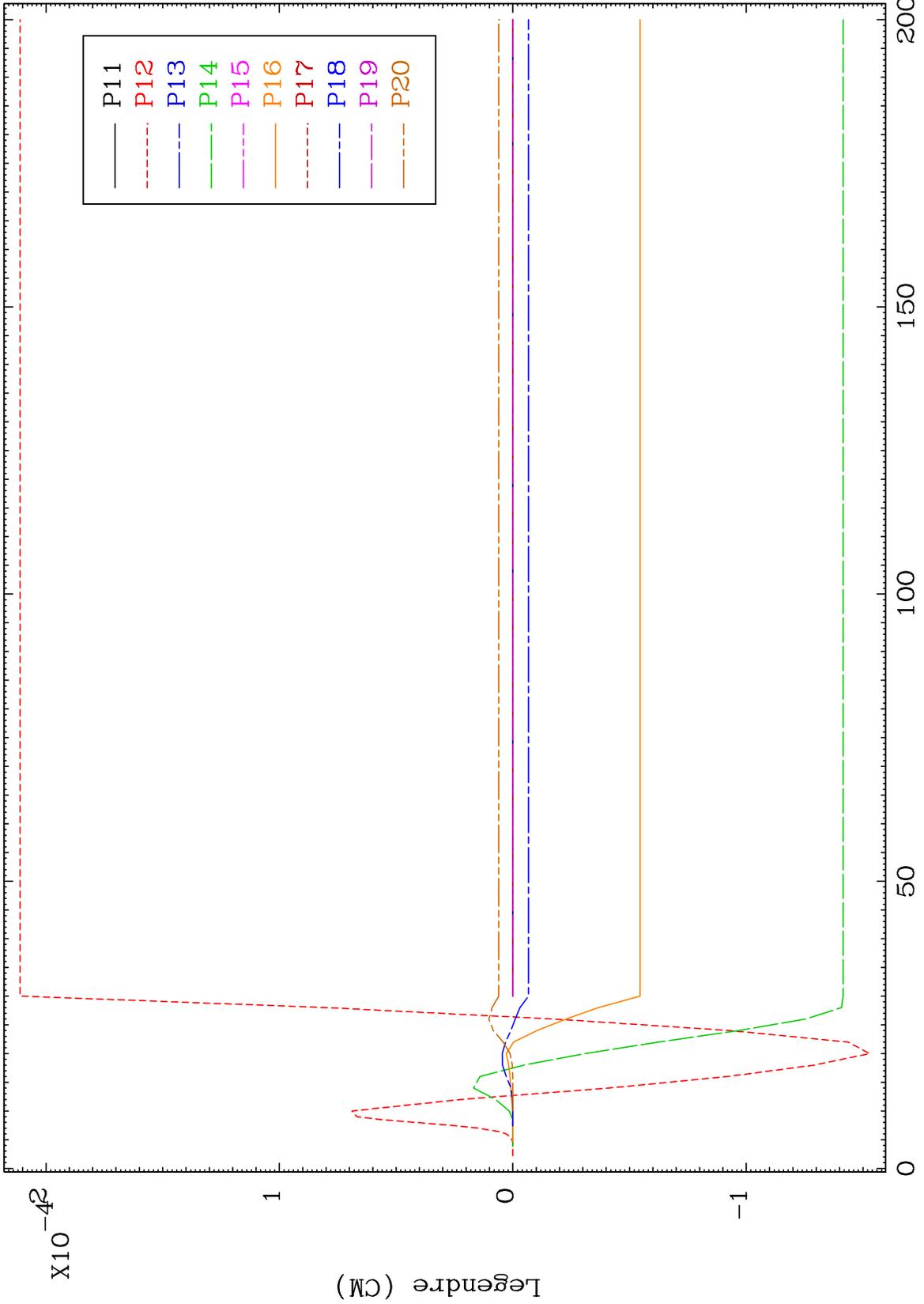
Incident Energy (MeV)

83-Bi-210

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

83-Bi-210



46

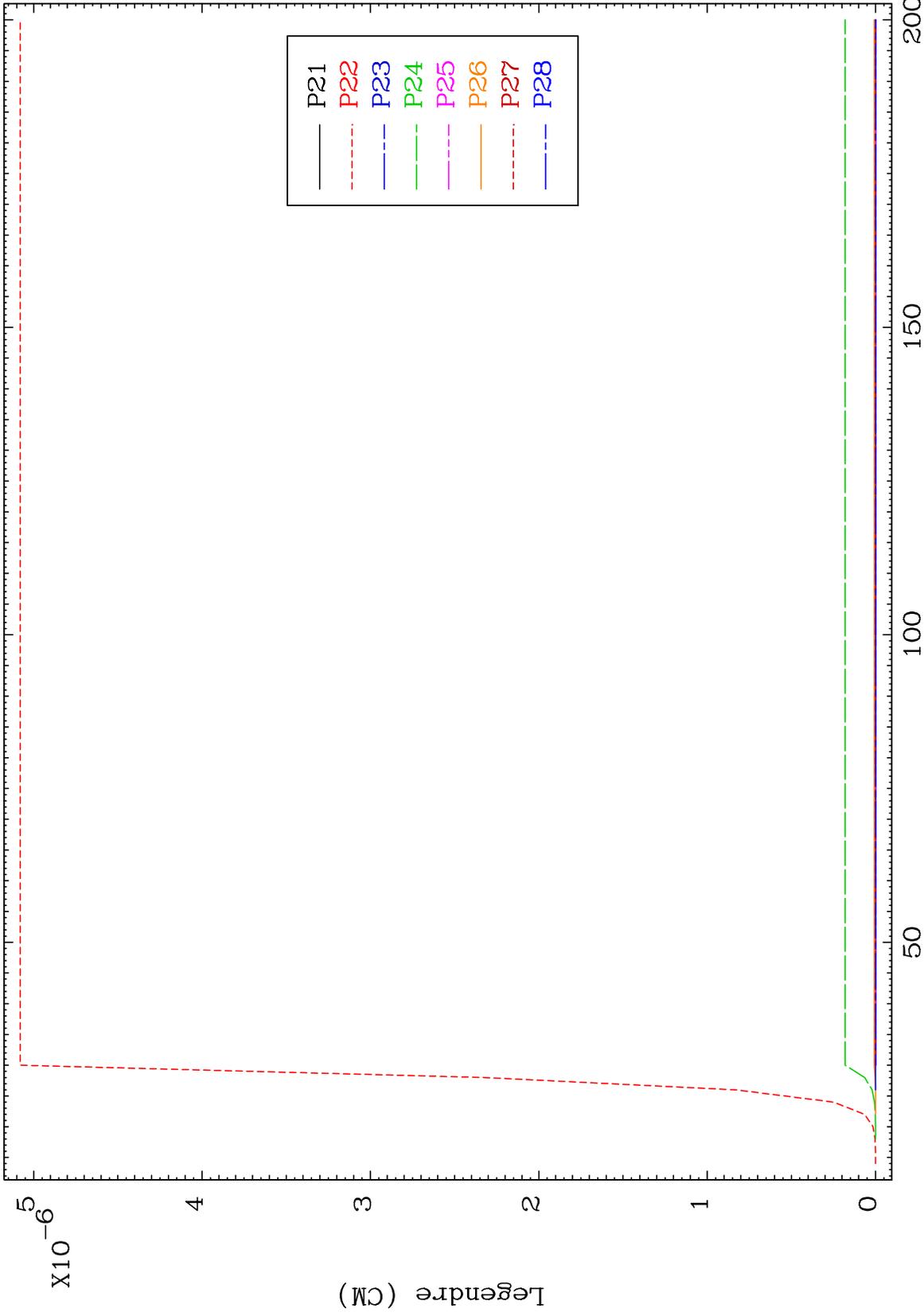
Incident Energy (MeV)

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

83-Bi-210



47

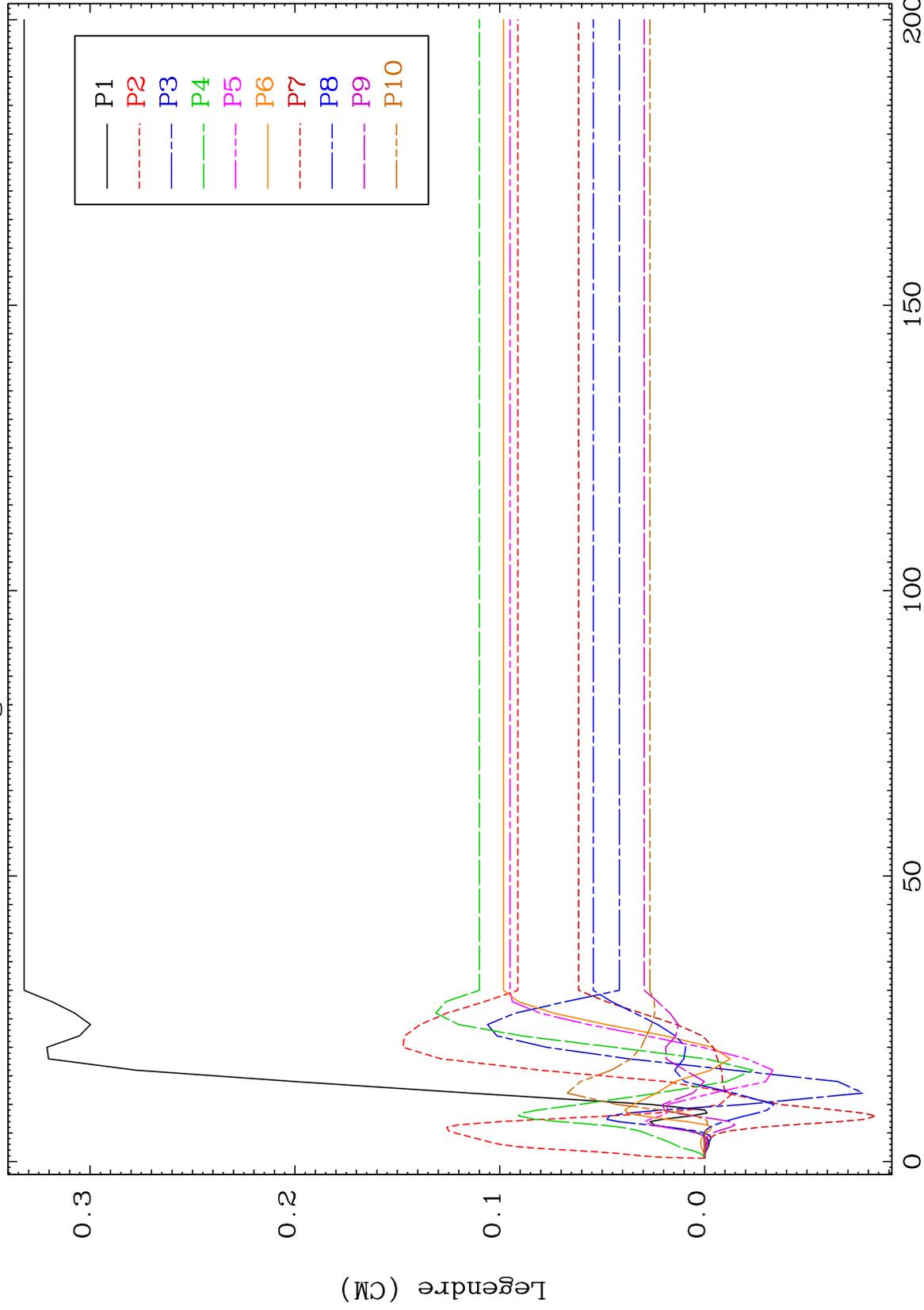
Incident Energy (MeV)

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

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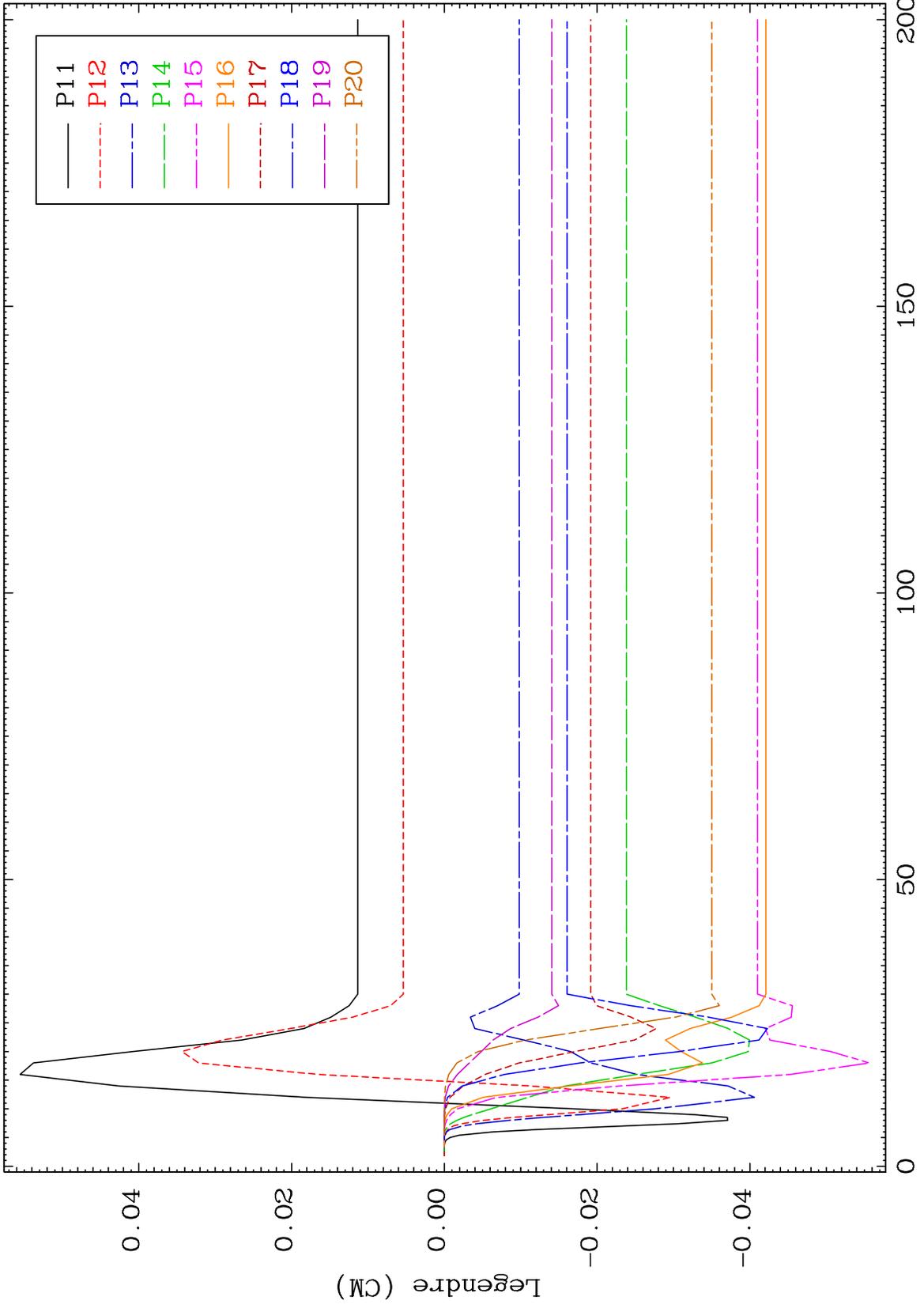


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Incident Energy (MeV)

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MAT 8328 MT= 59 (n,n') Level Legendre Coefficients 83-Bi-210

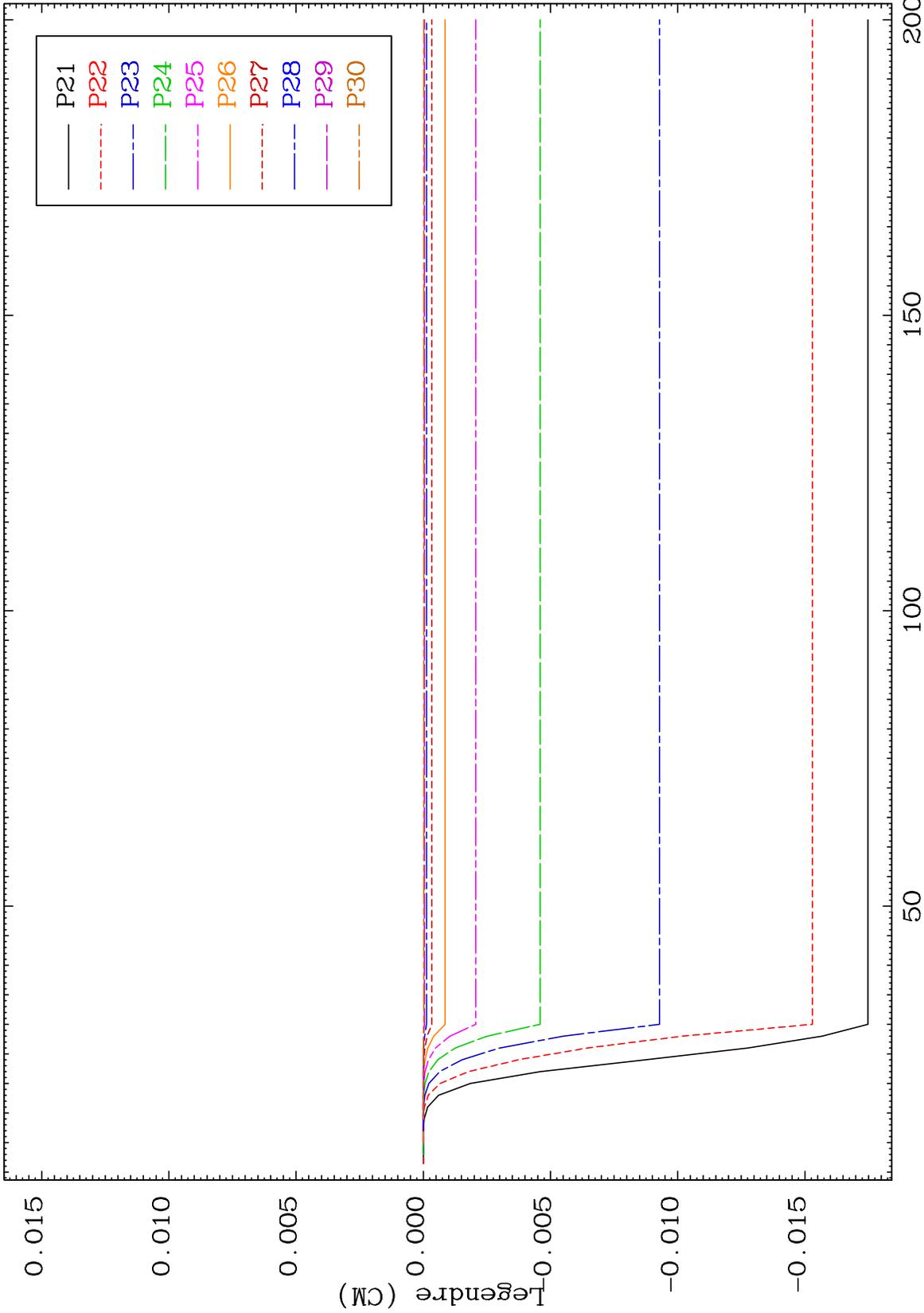


49 83-Bi-210

MAT 8328

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

83-Bi-210



50

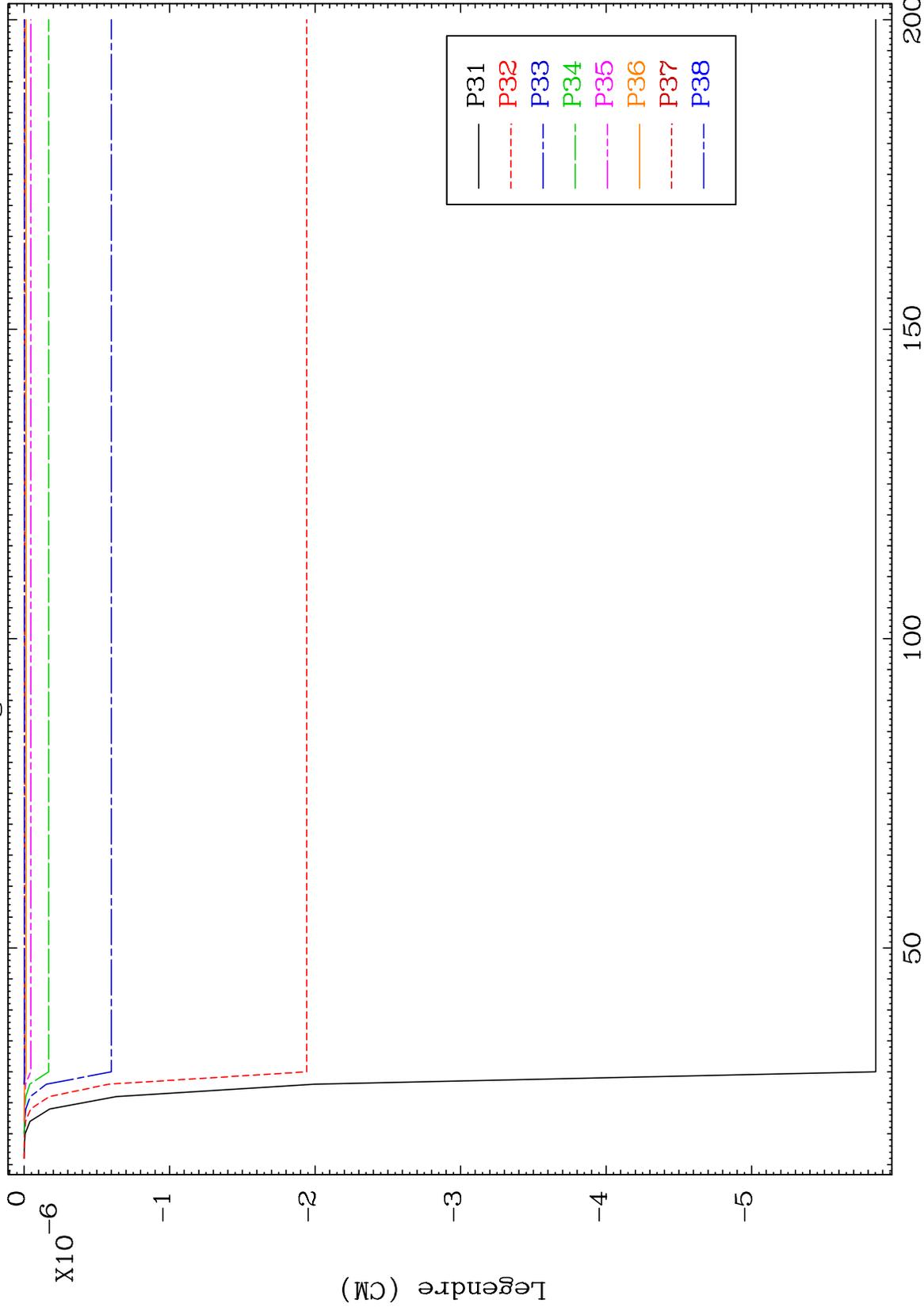
Incident Energy (MeV)

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

83-Bi-210



51

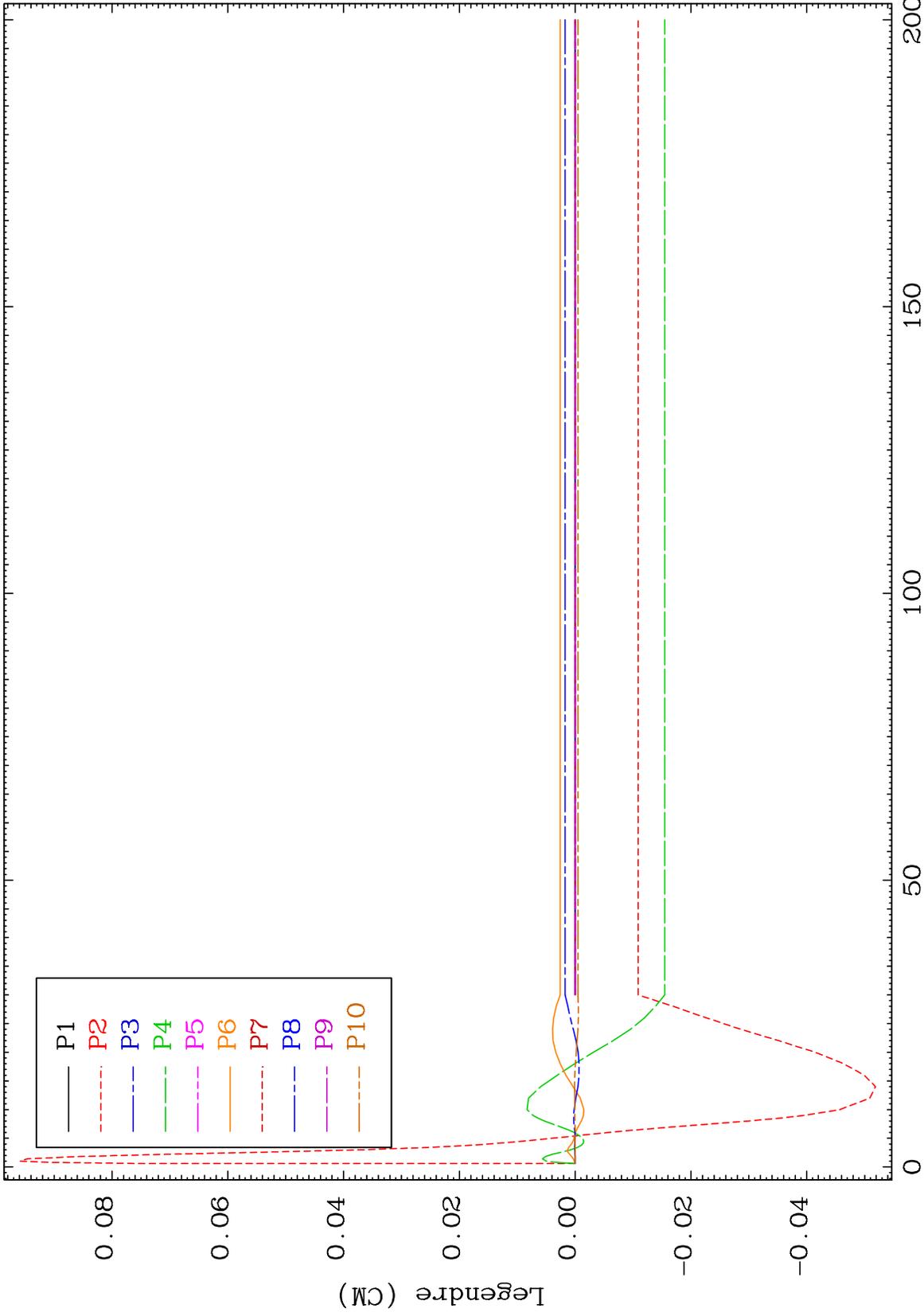
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MAT 8328

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

83-Bi-210



52

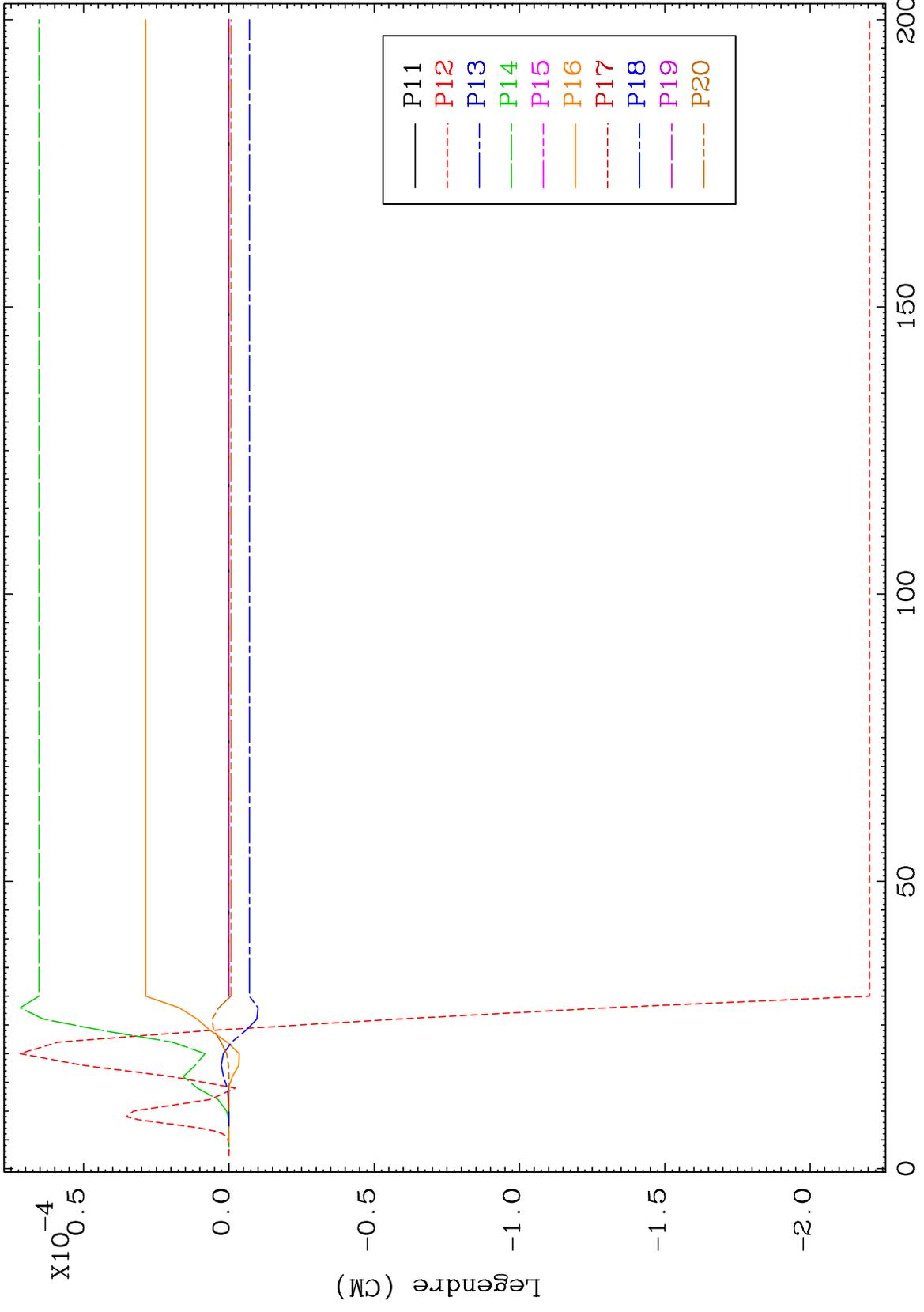
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



53

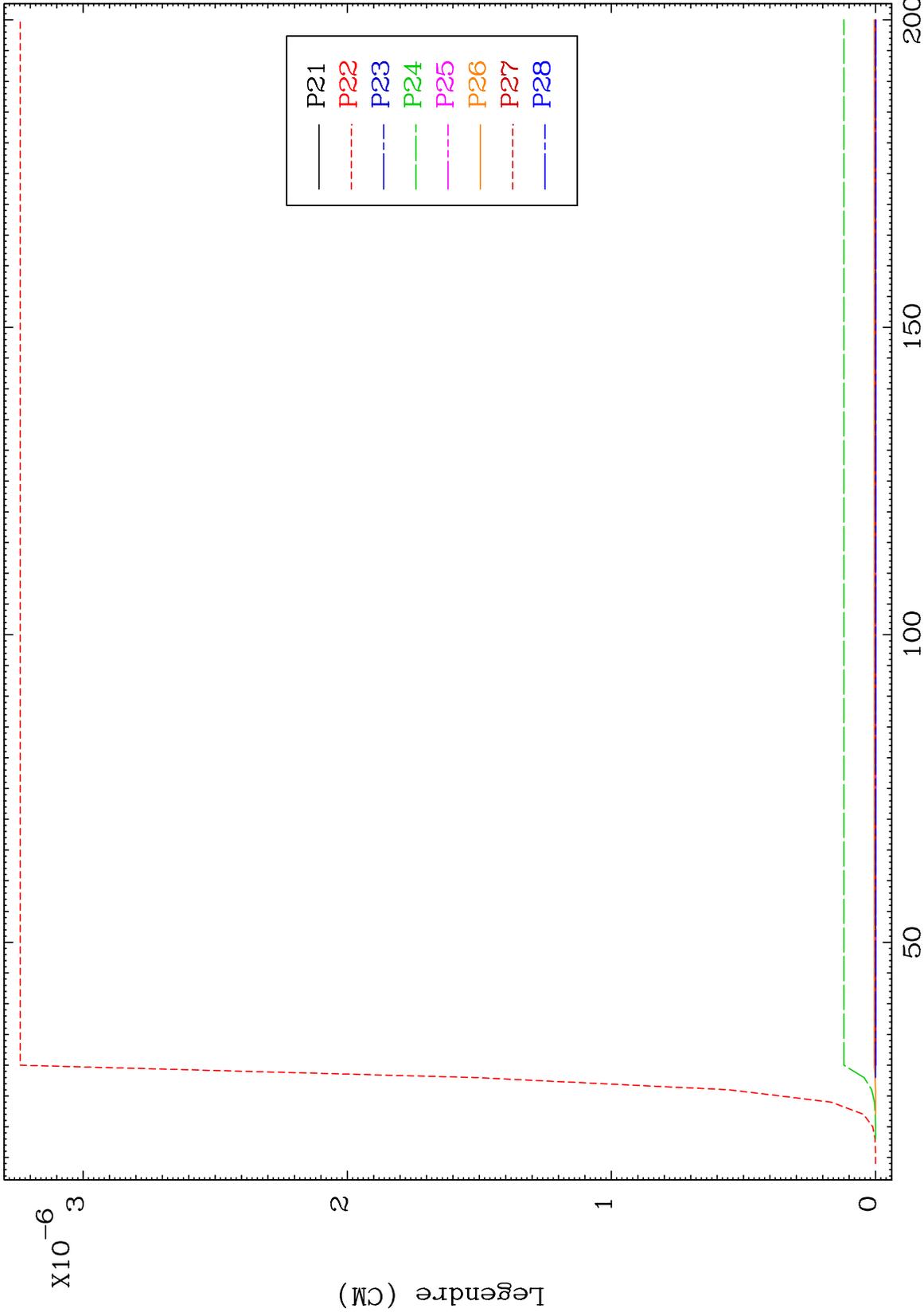
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83-Bi-210

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

83-Bi-210



54

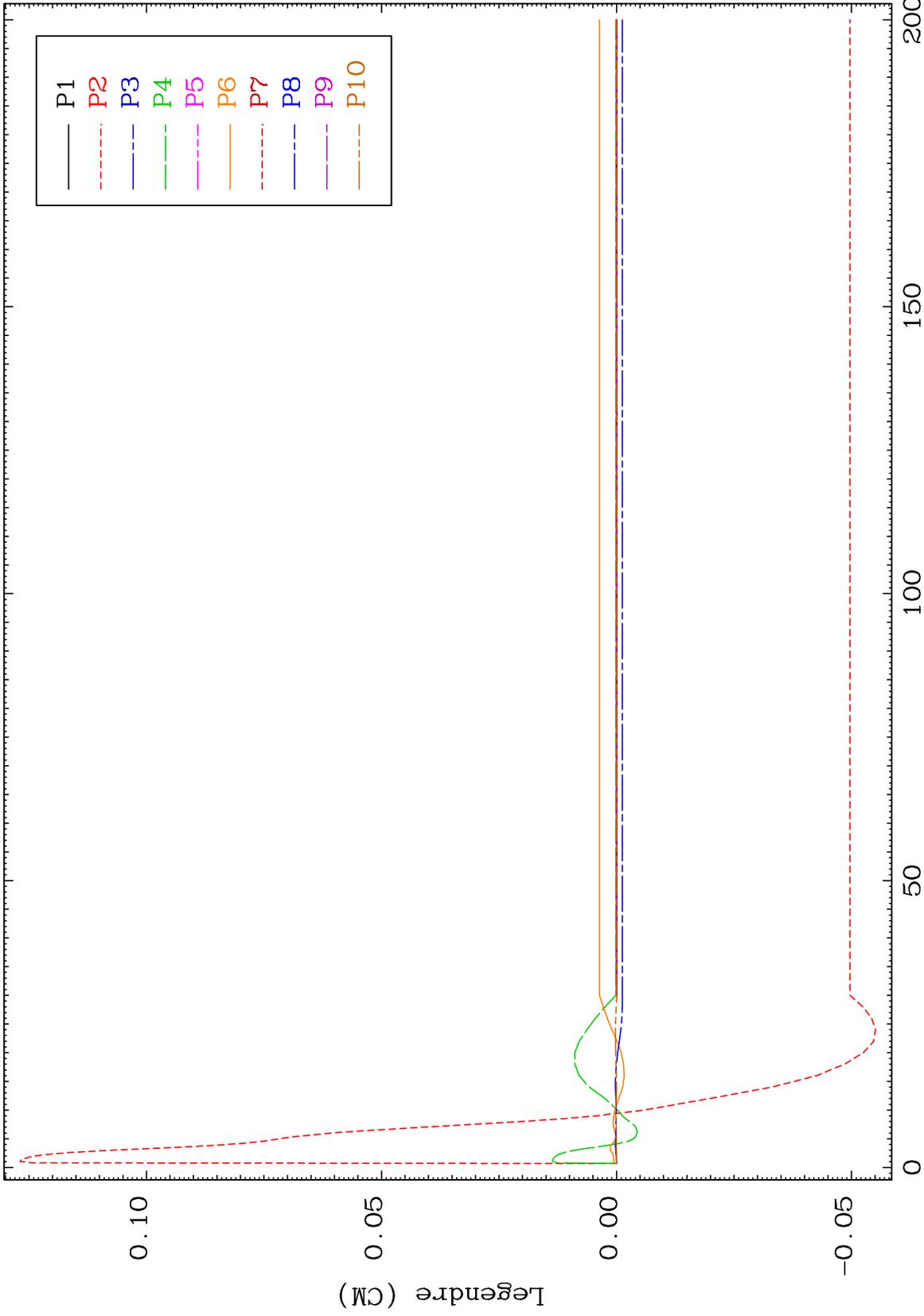
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



55

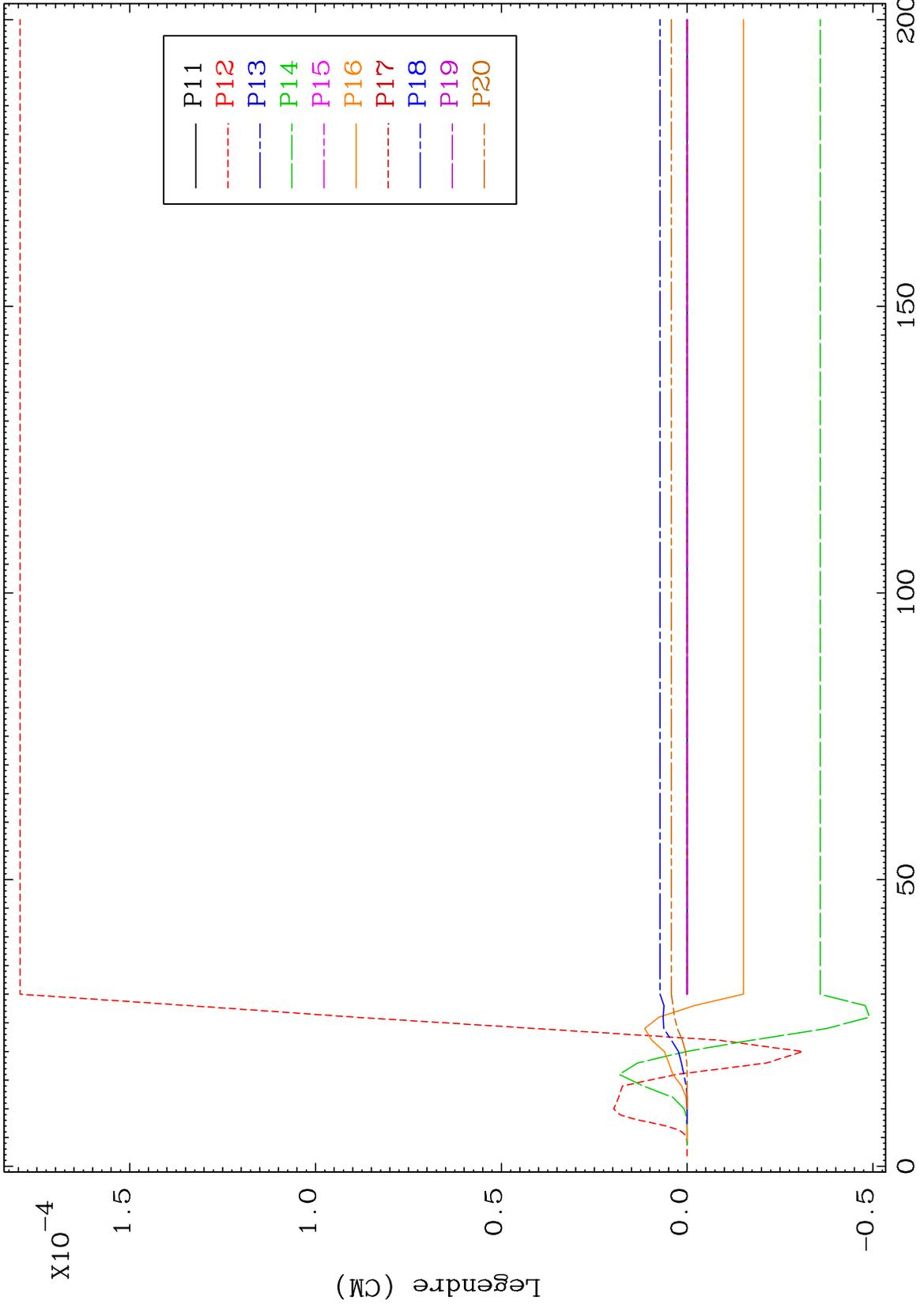
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



56

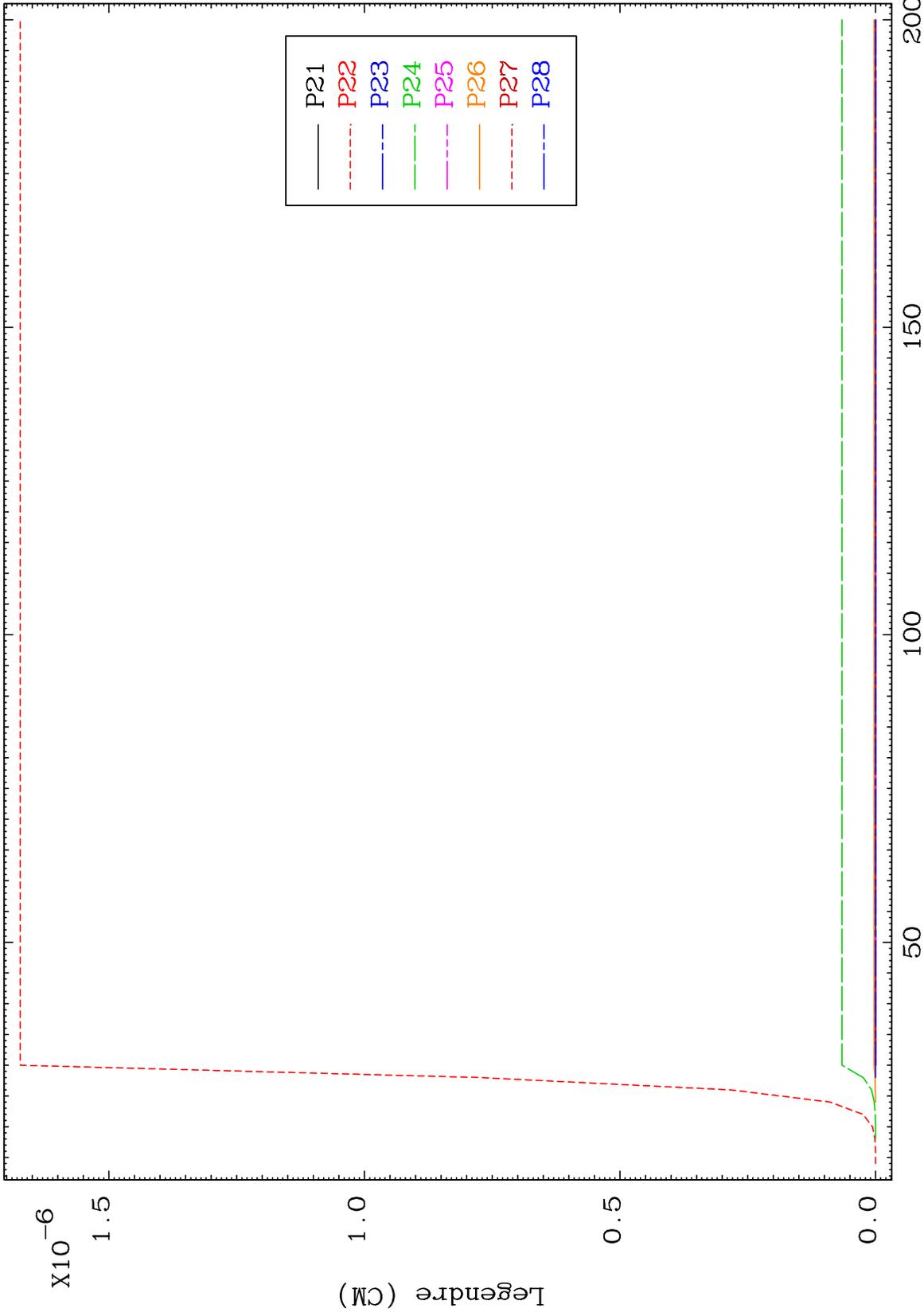
83-Bi-210

83-Bi-210

MAT 8328

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

83-Bi-210



57

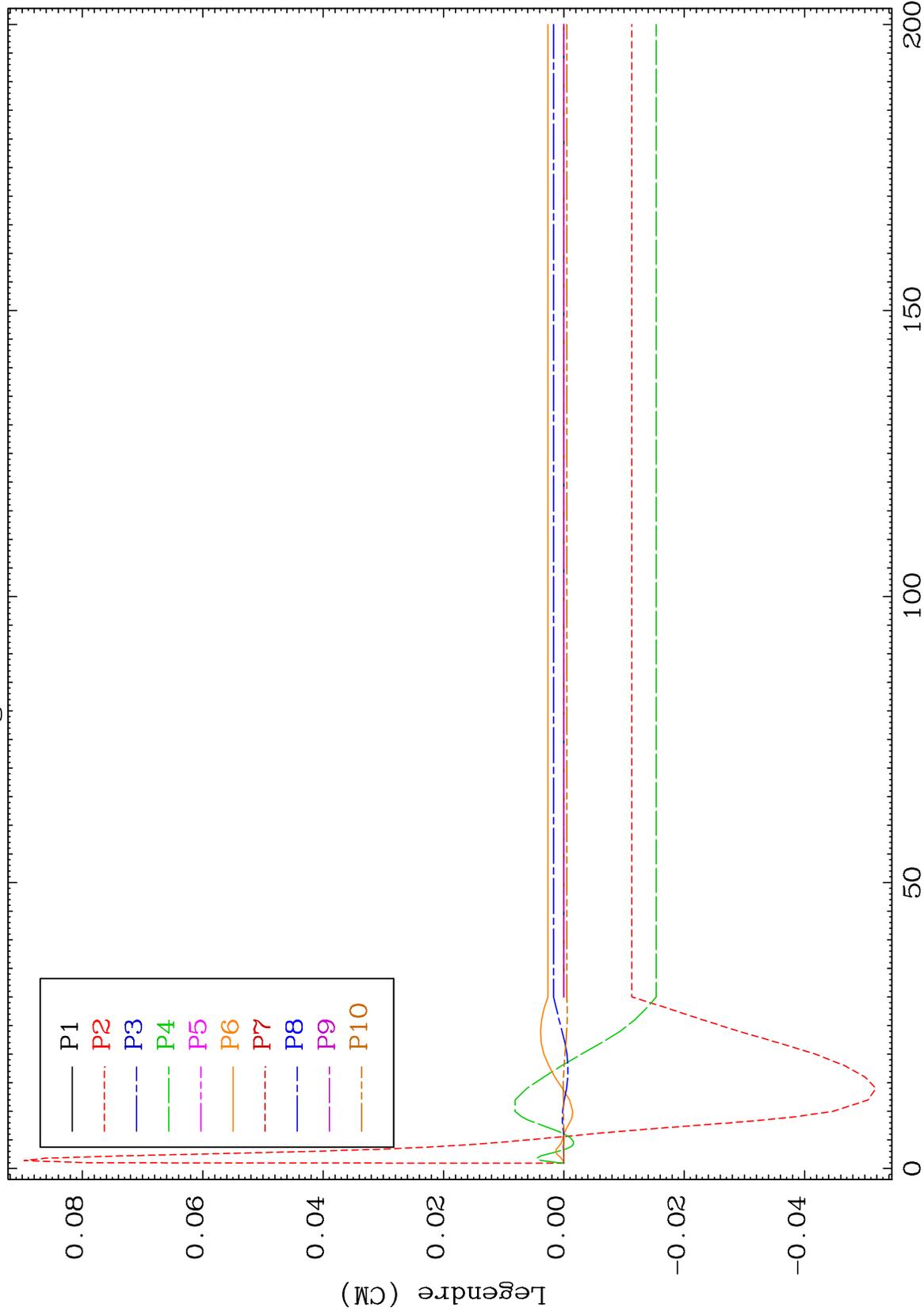
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



58

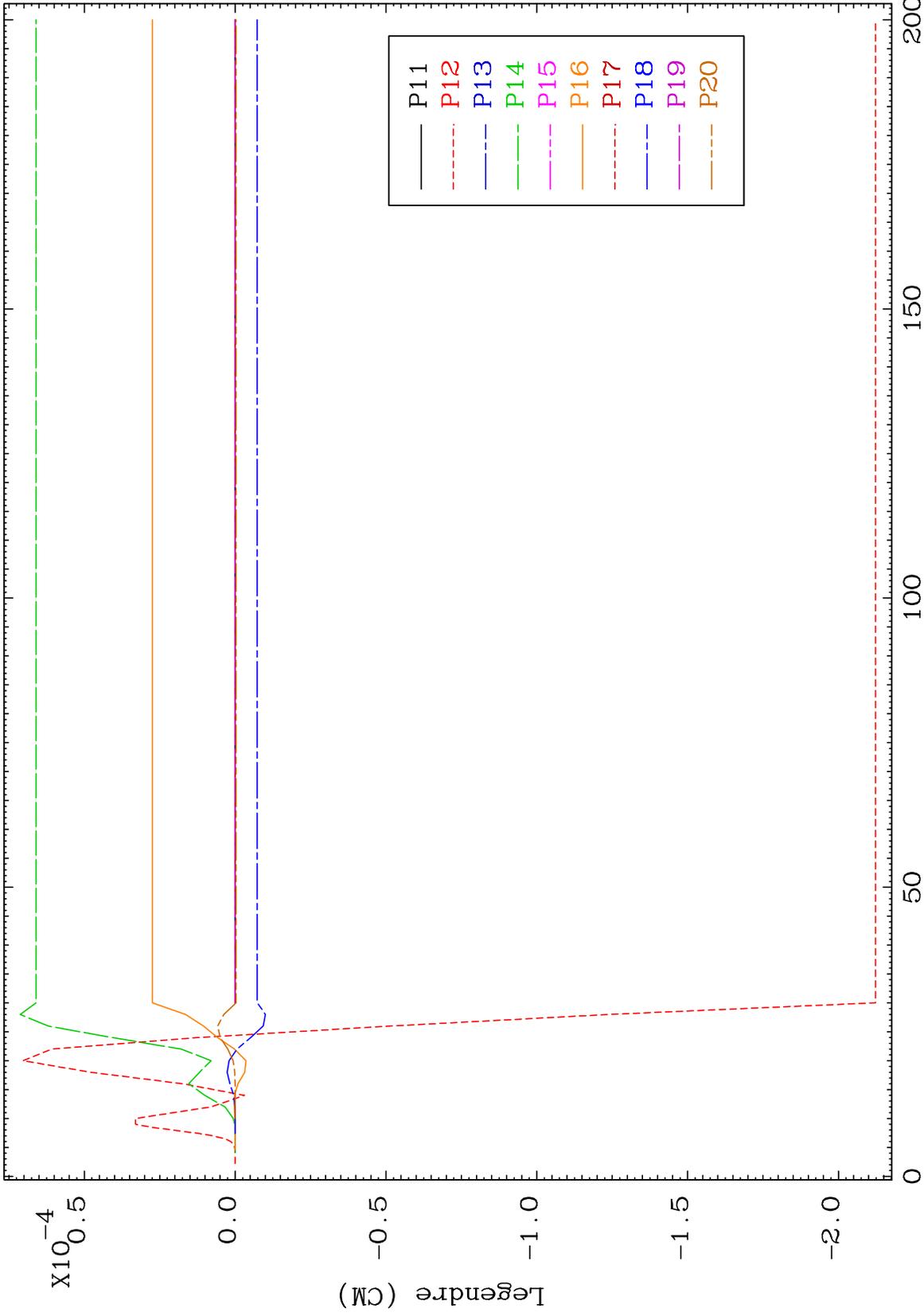
Incident Energy (MeV)

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

83-Bi-210



59

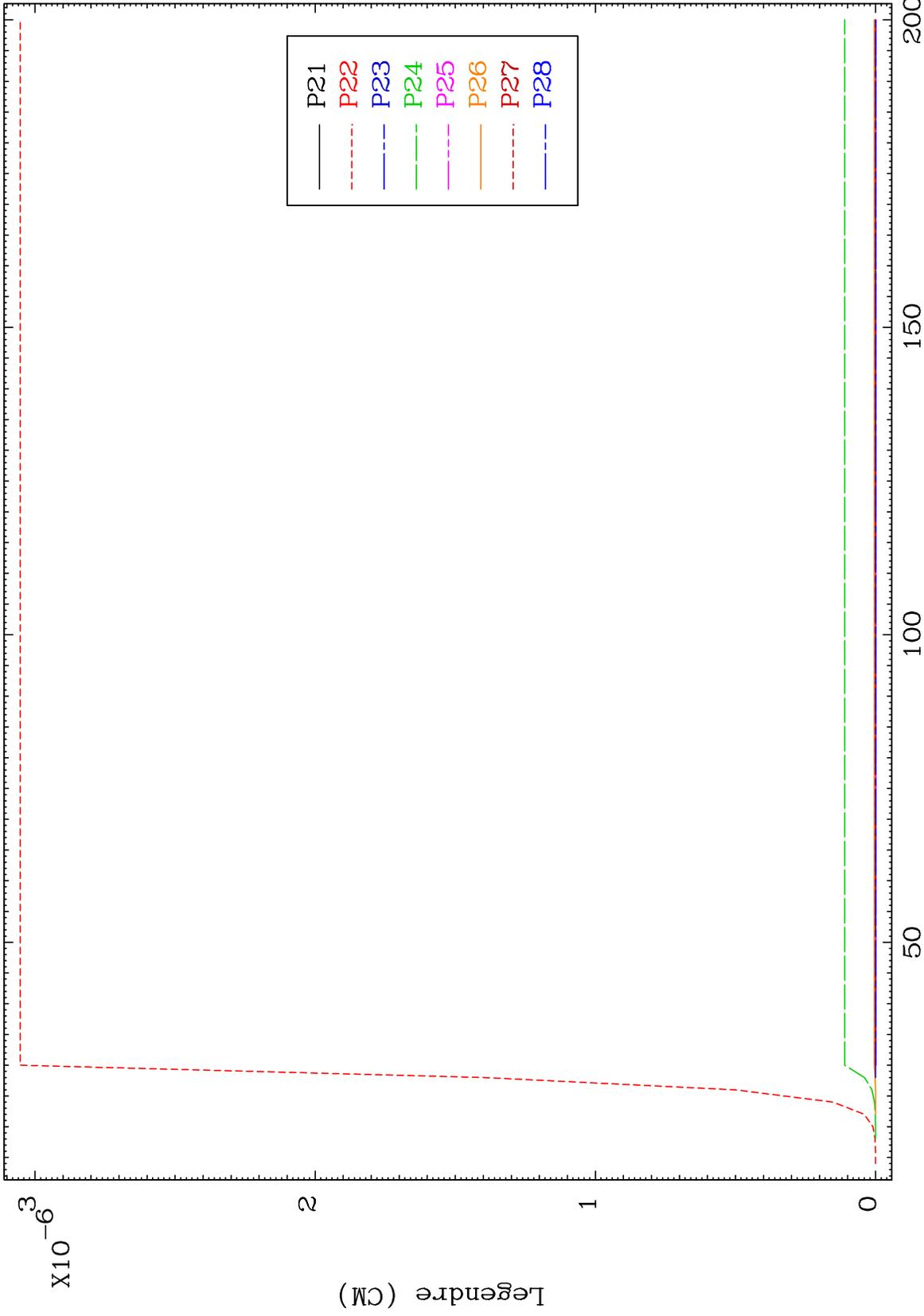
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



60

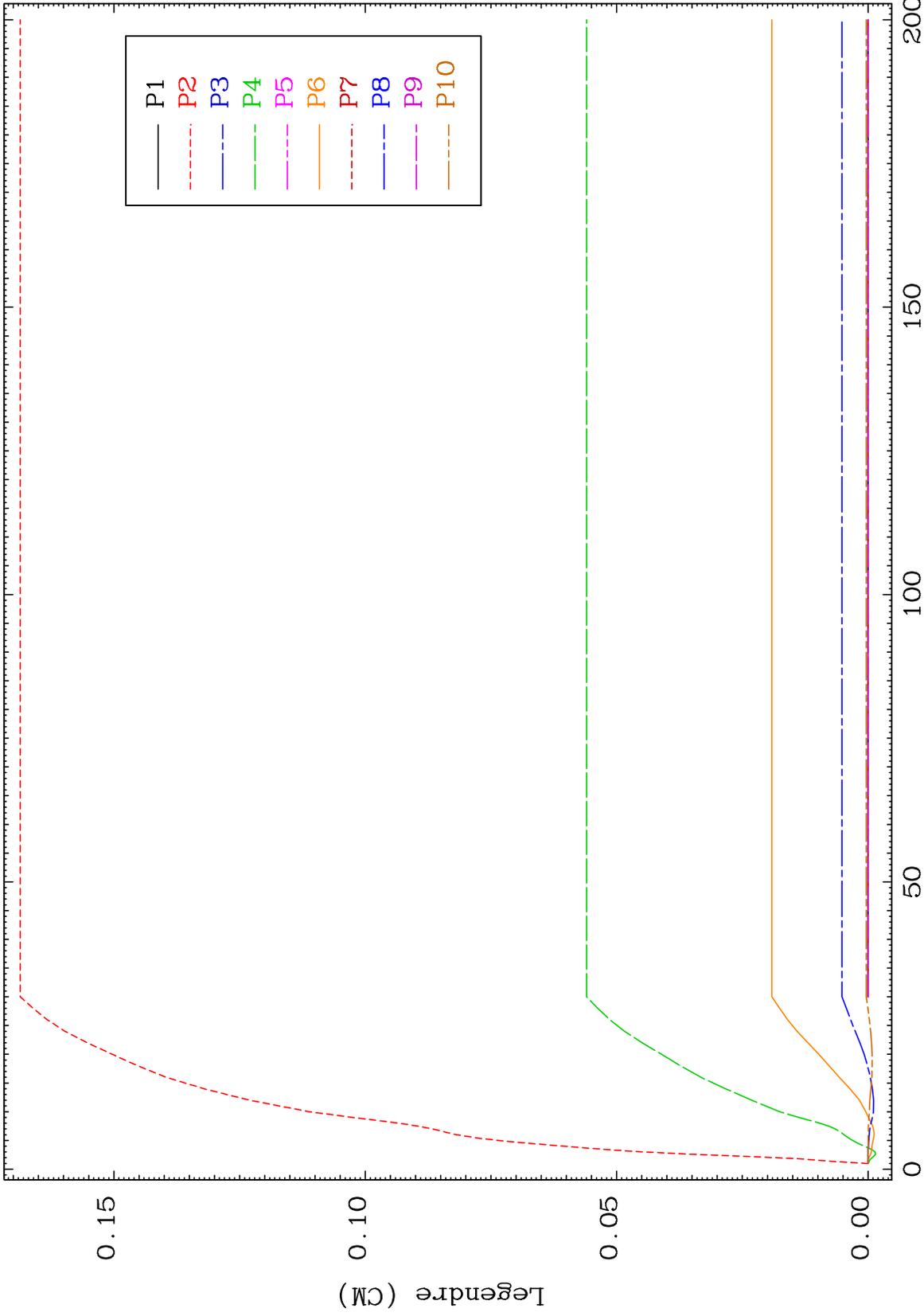
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



61

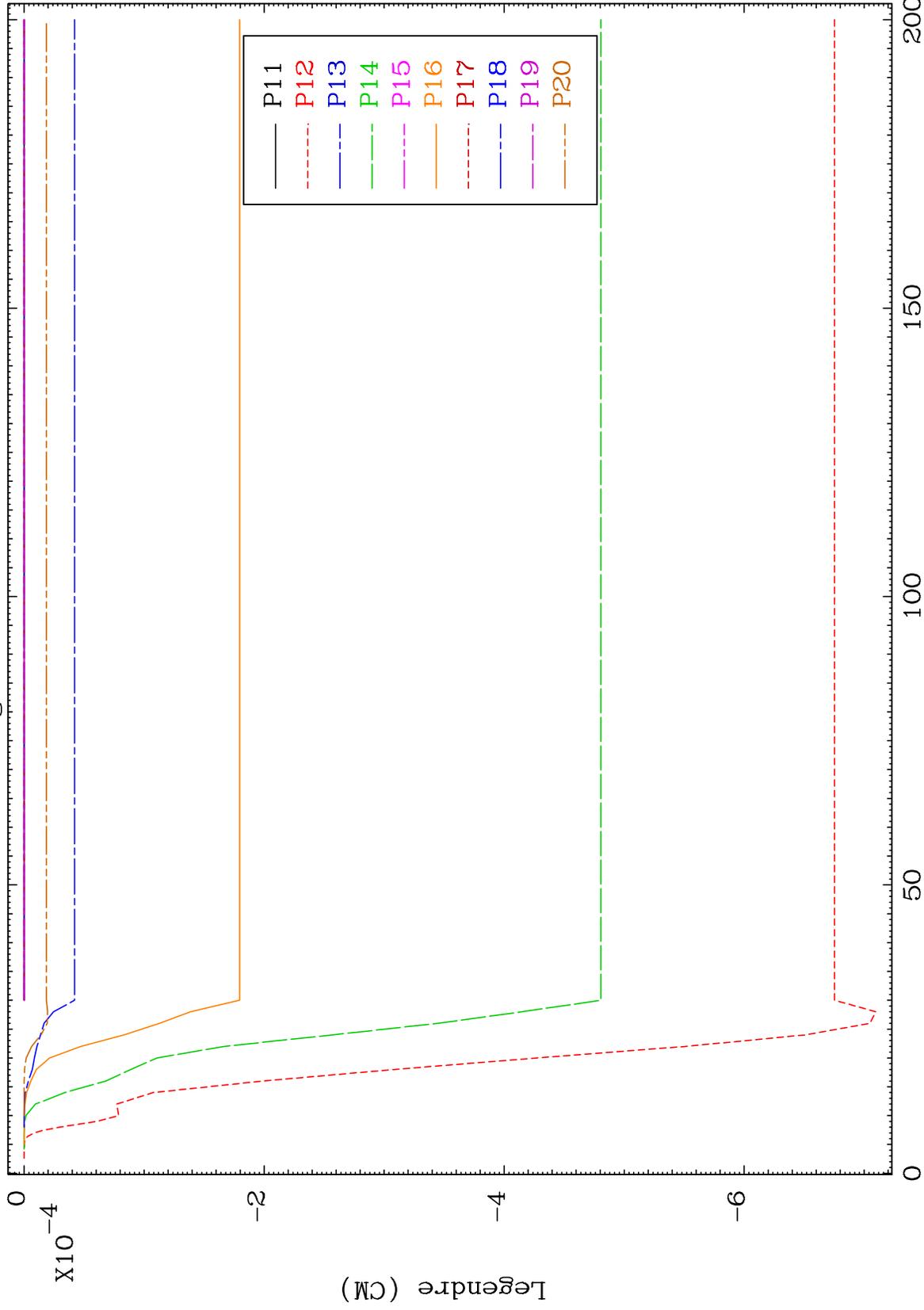
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



62

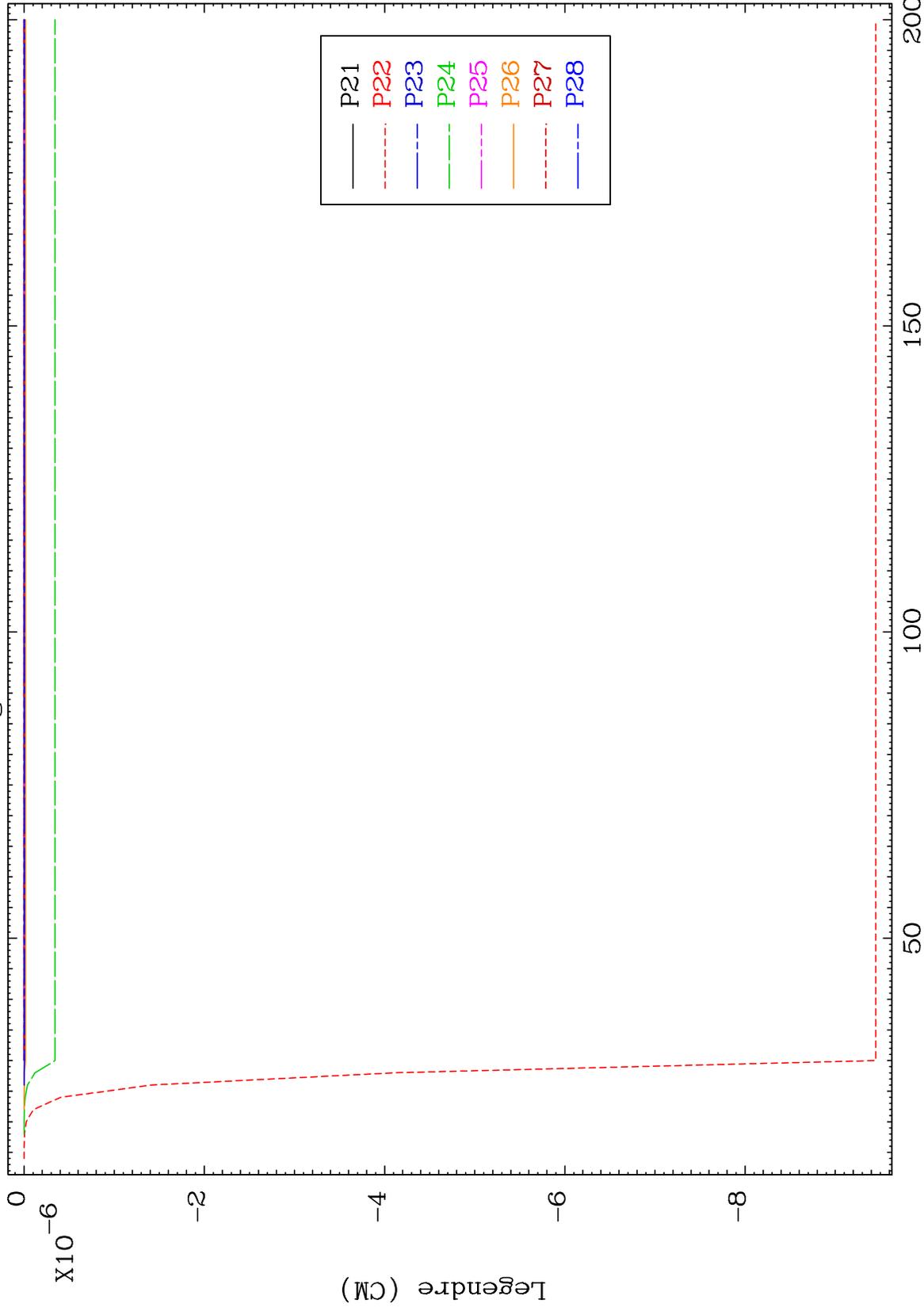
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



83-Bi-210

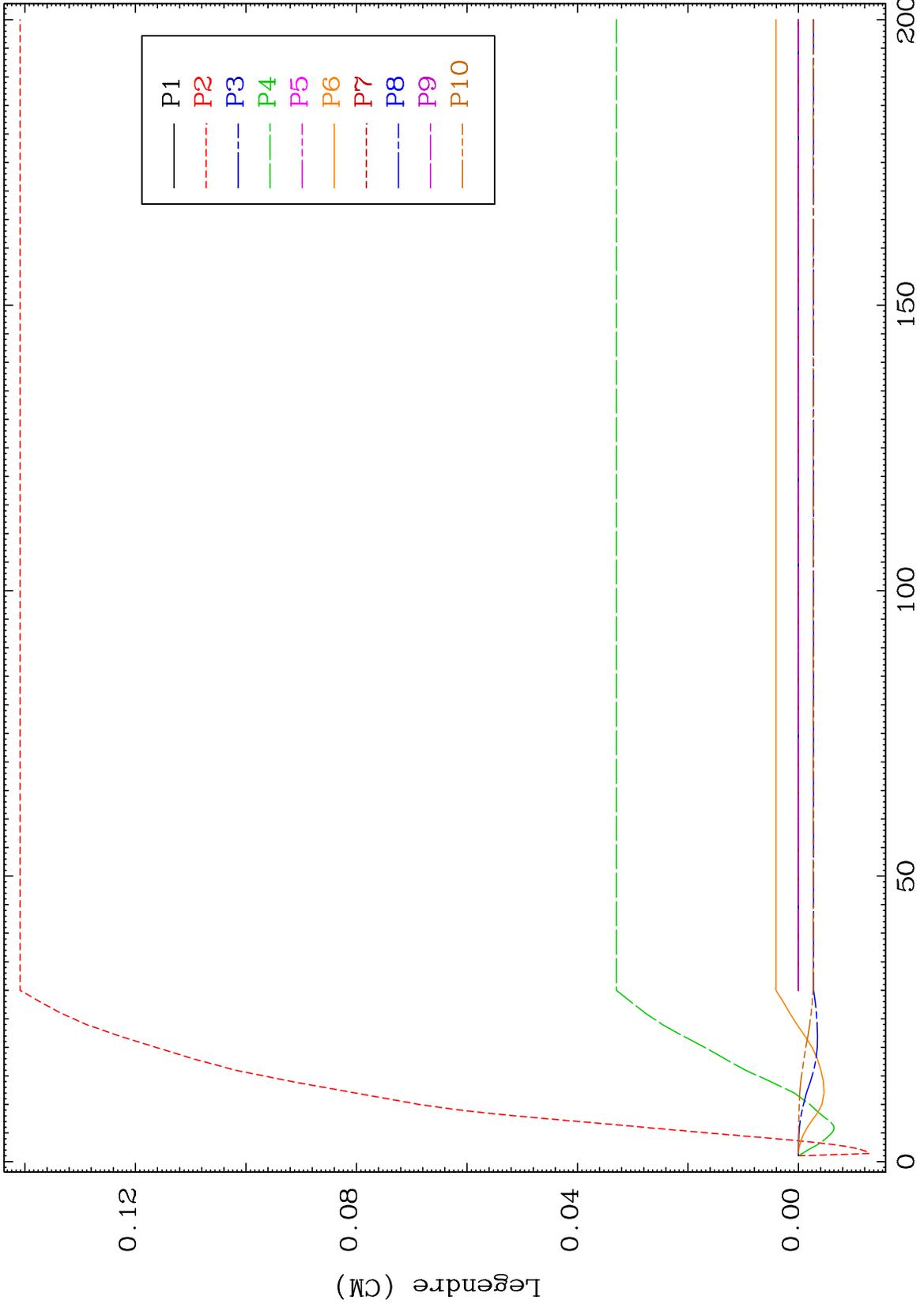
Incident Energy (MeV)

63

MAT 8328

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

83-Bi-210



64

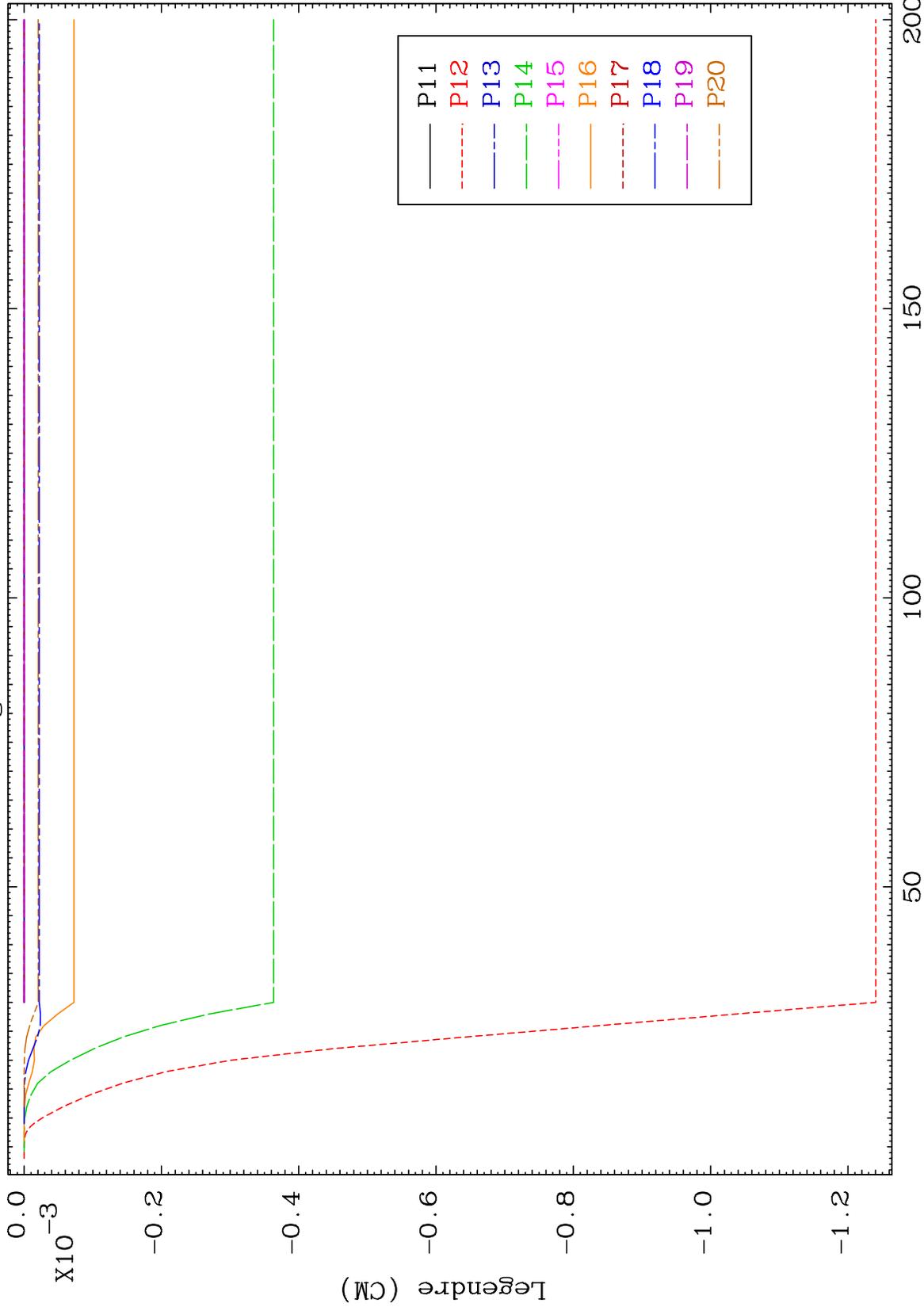
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



65

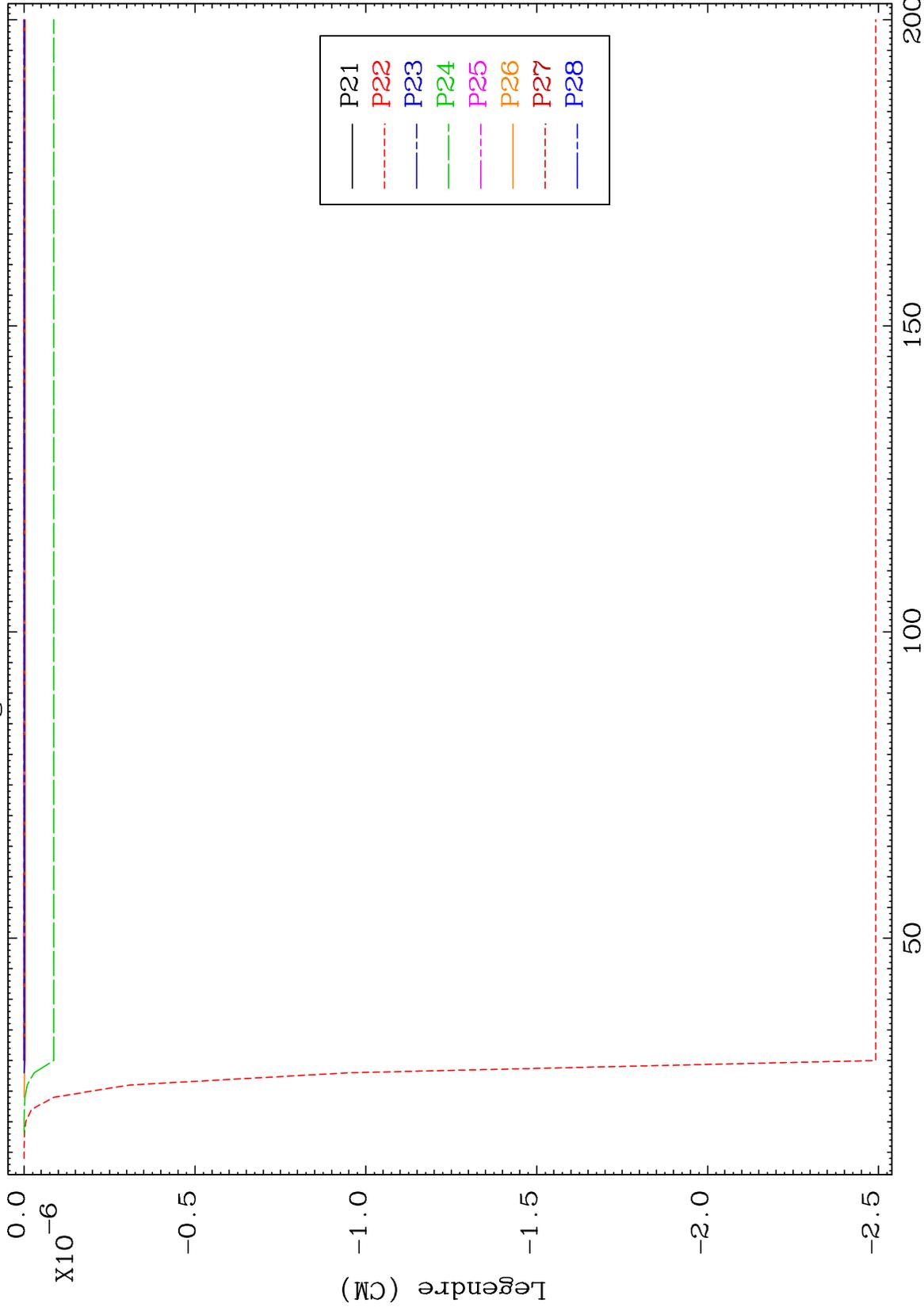
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



66

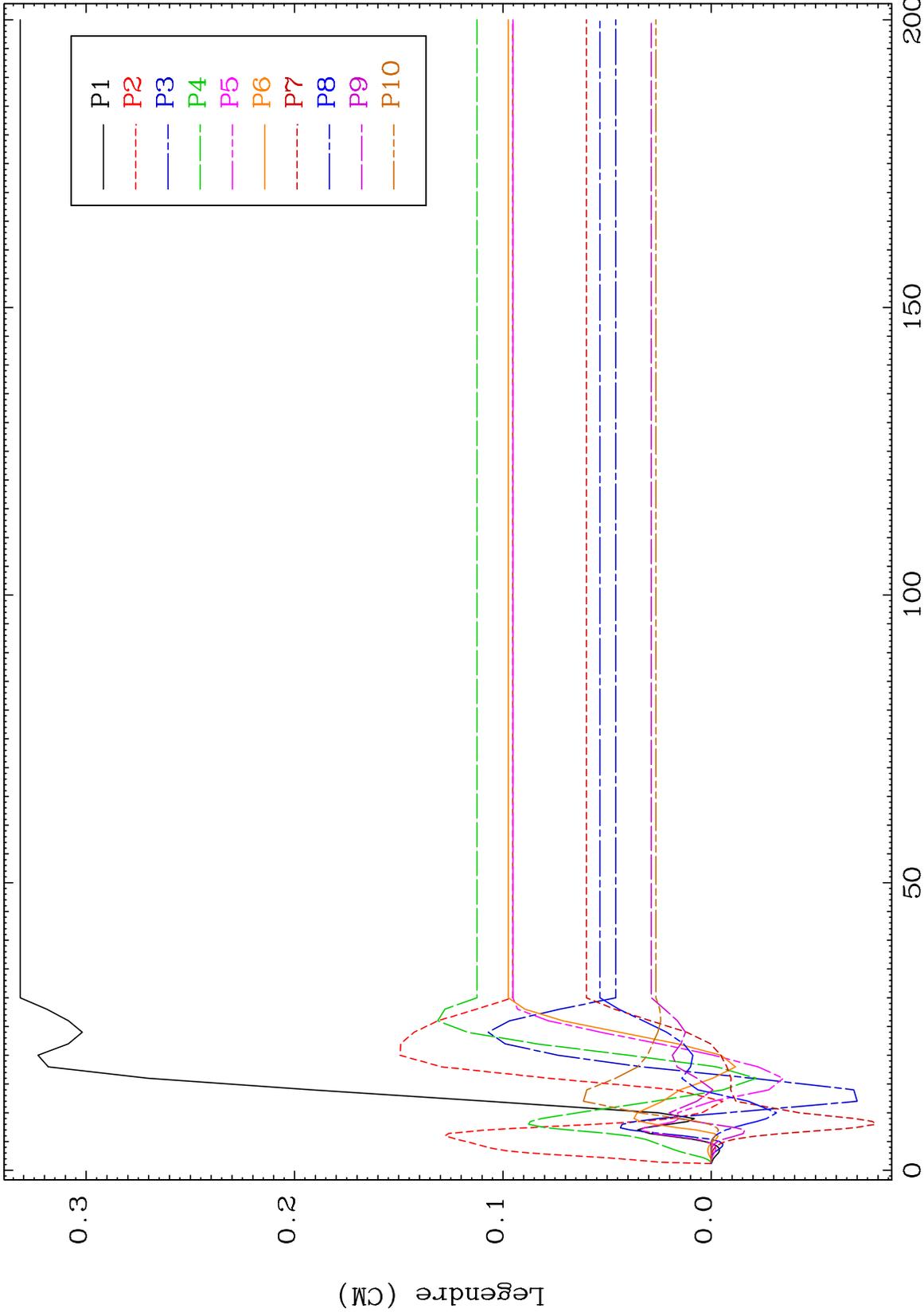
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



67

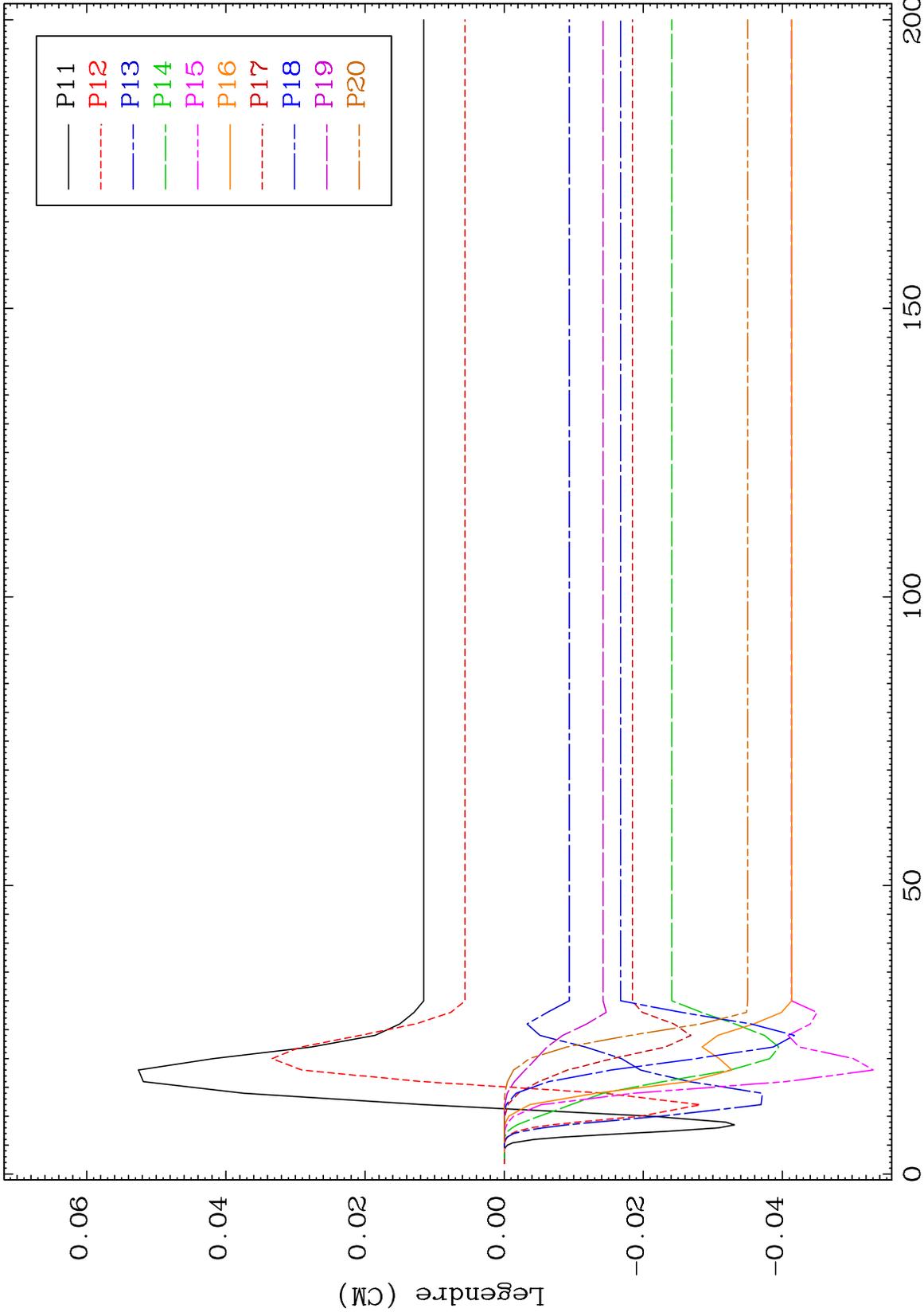
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



68

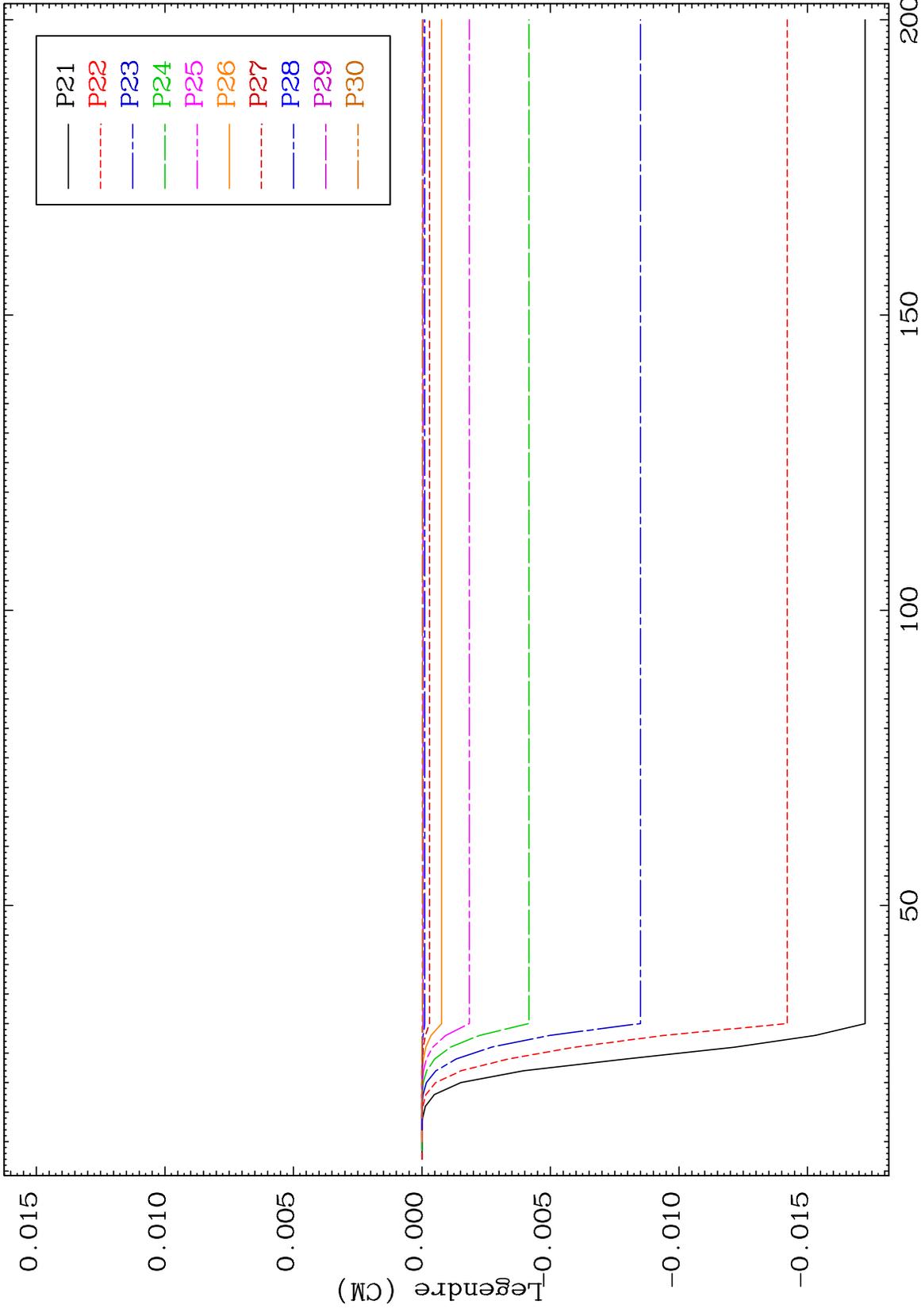
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



69

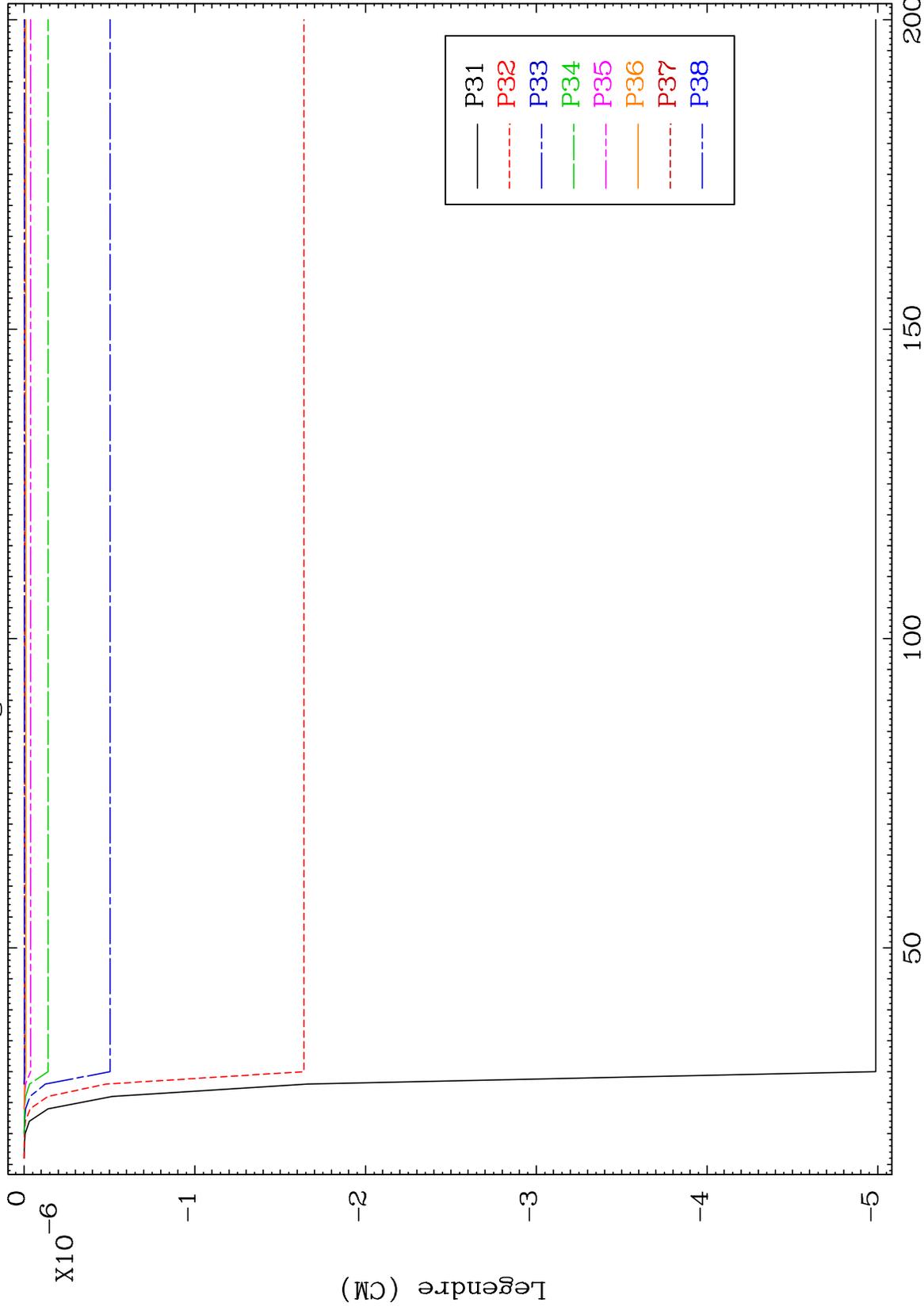
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



83-Bi-210

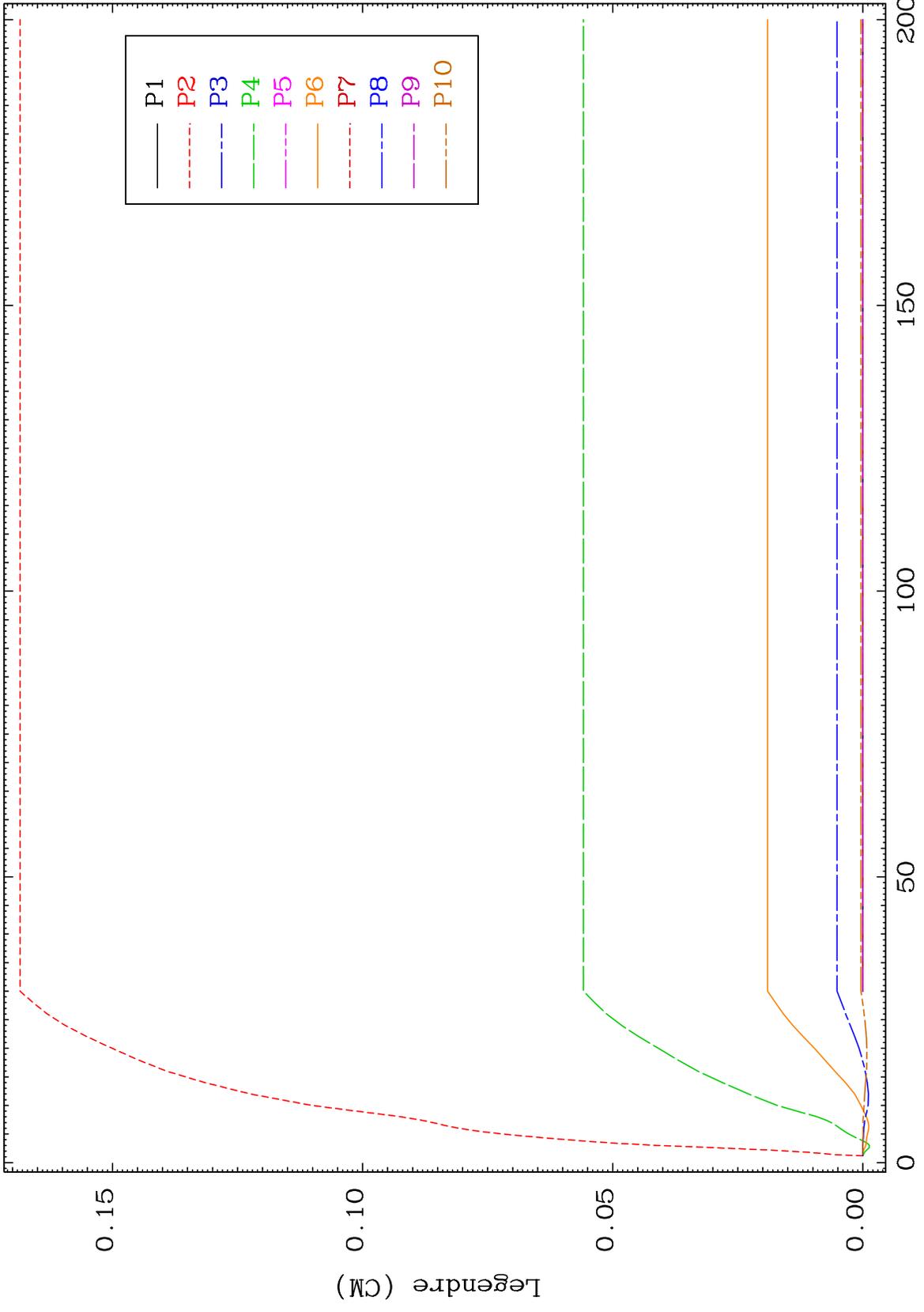
Incident Energy (MeV)

70

MAT 8328

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

83-Bi-210



71

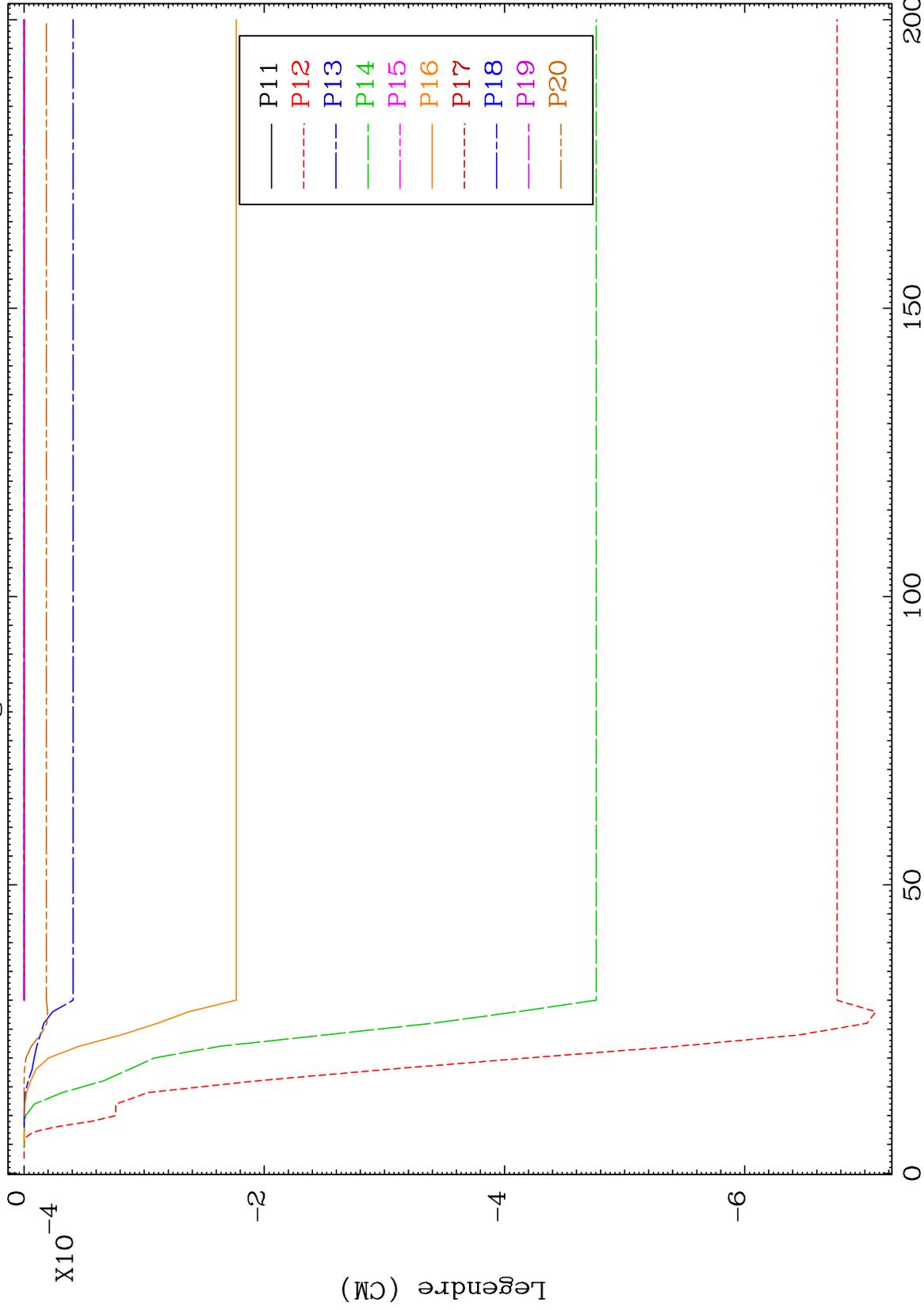
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



72

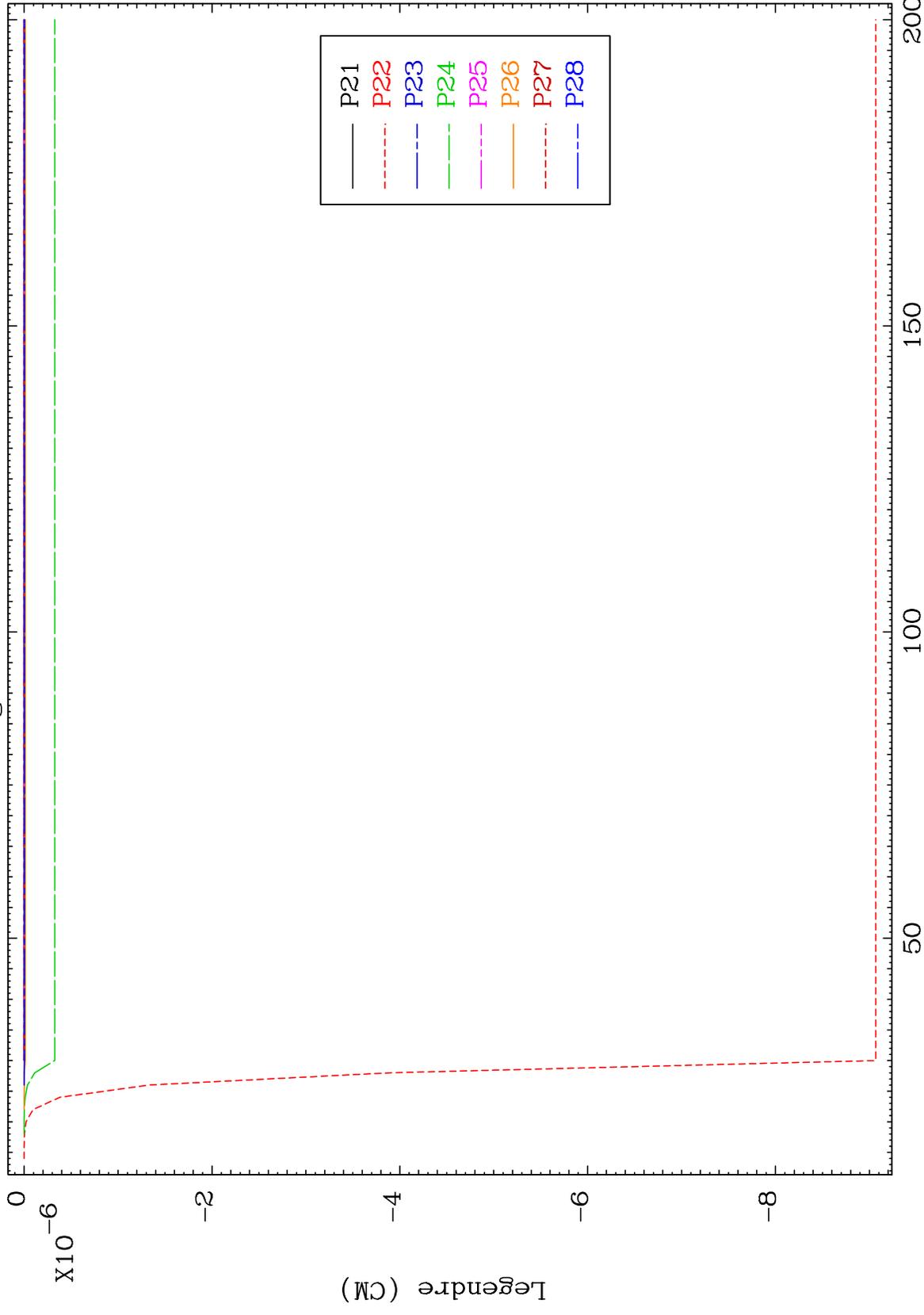
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



83-Bi-210

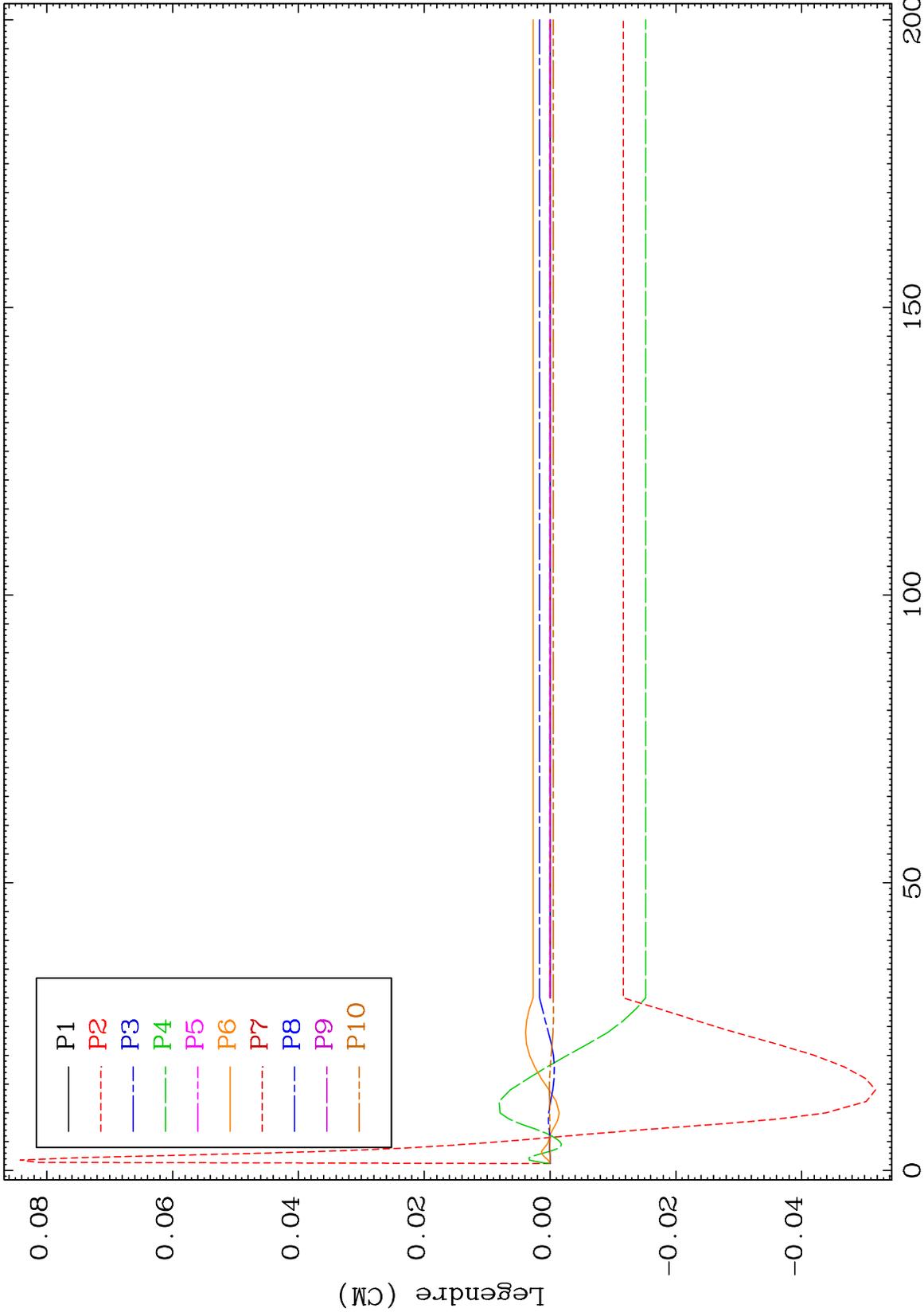
Incident Energy (MeV)

73

MAT 8328

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

83-Bi-210



74

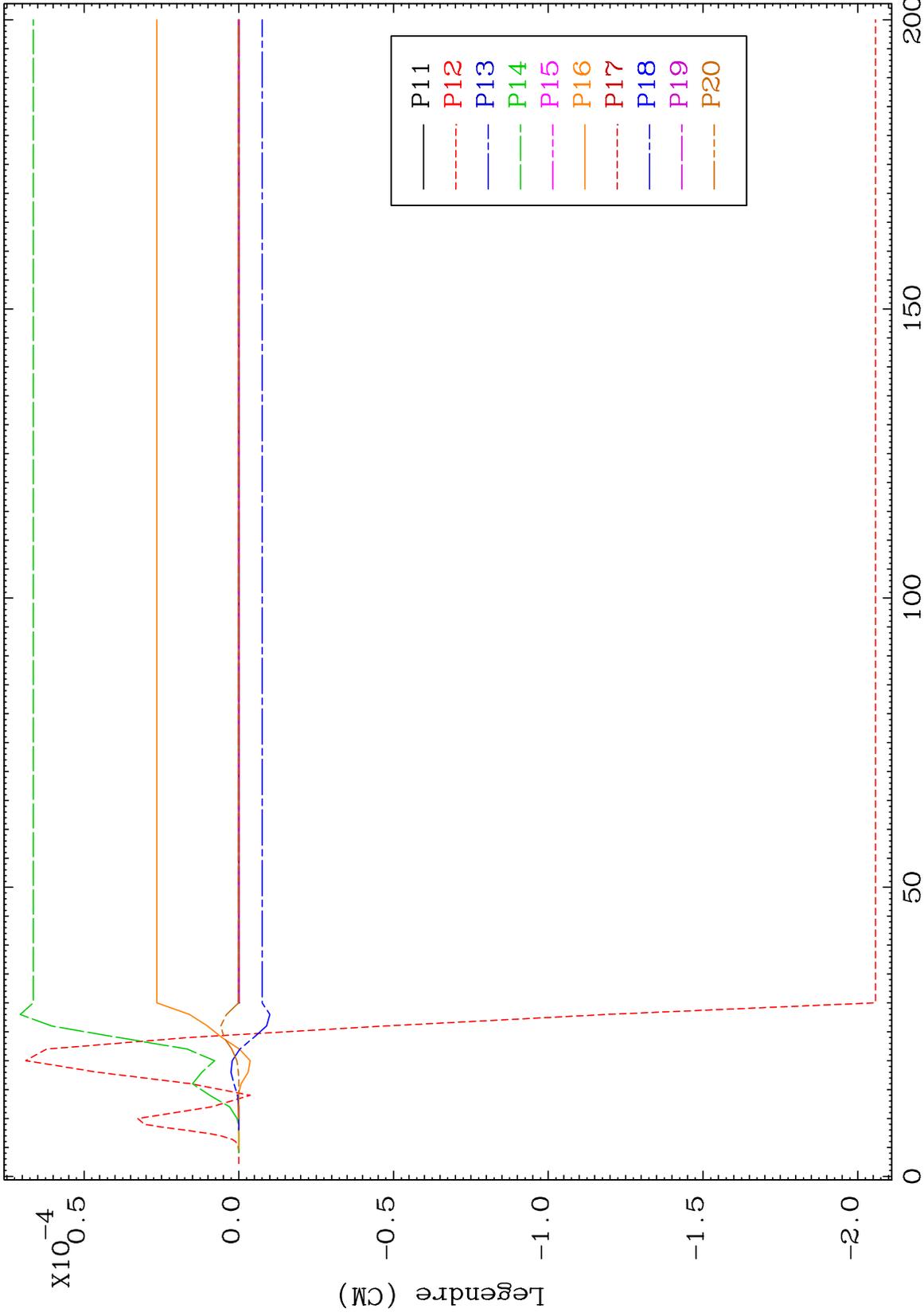
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



75

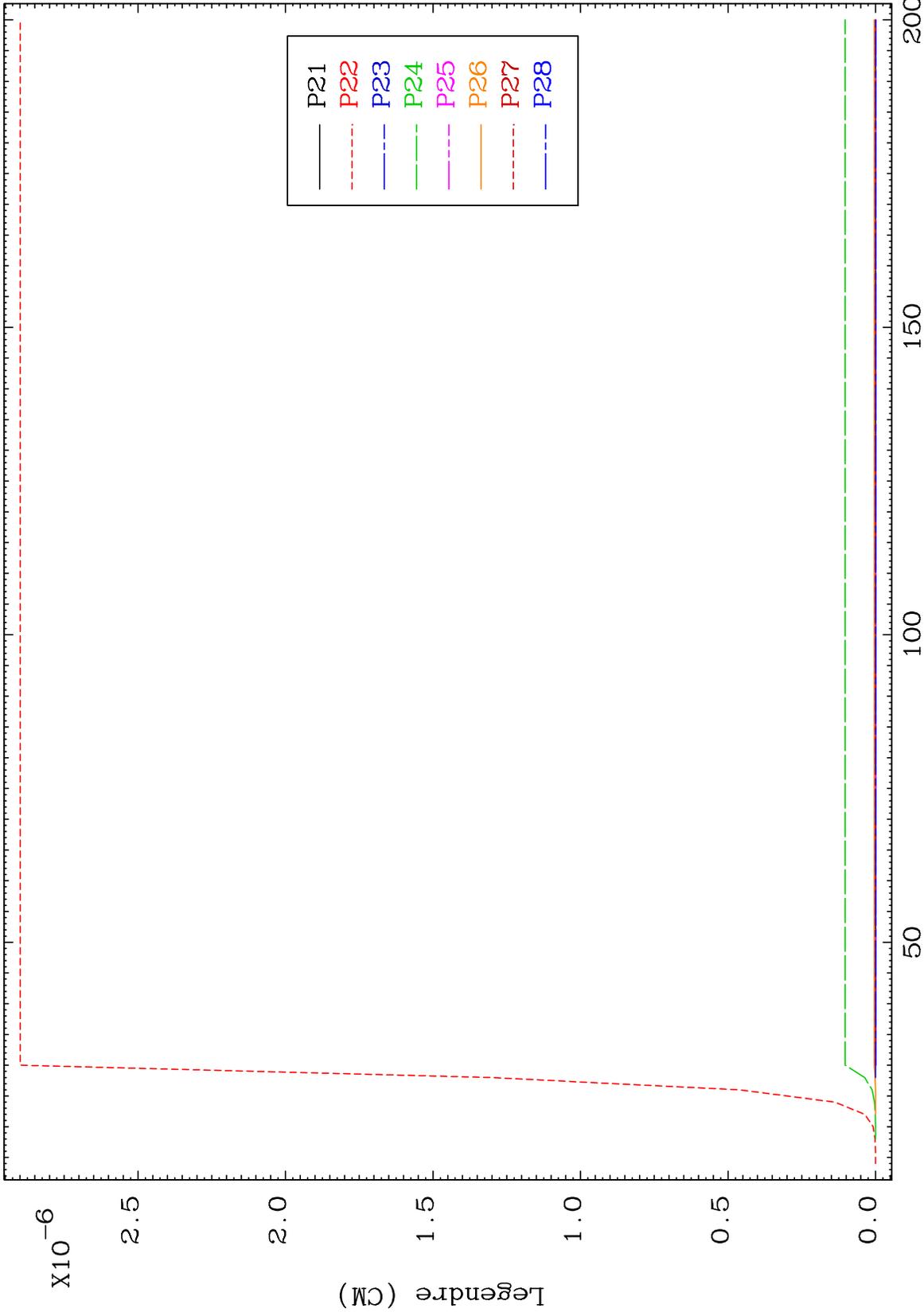
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



76

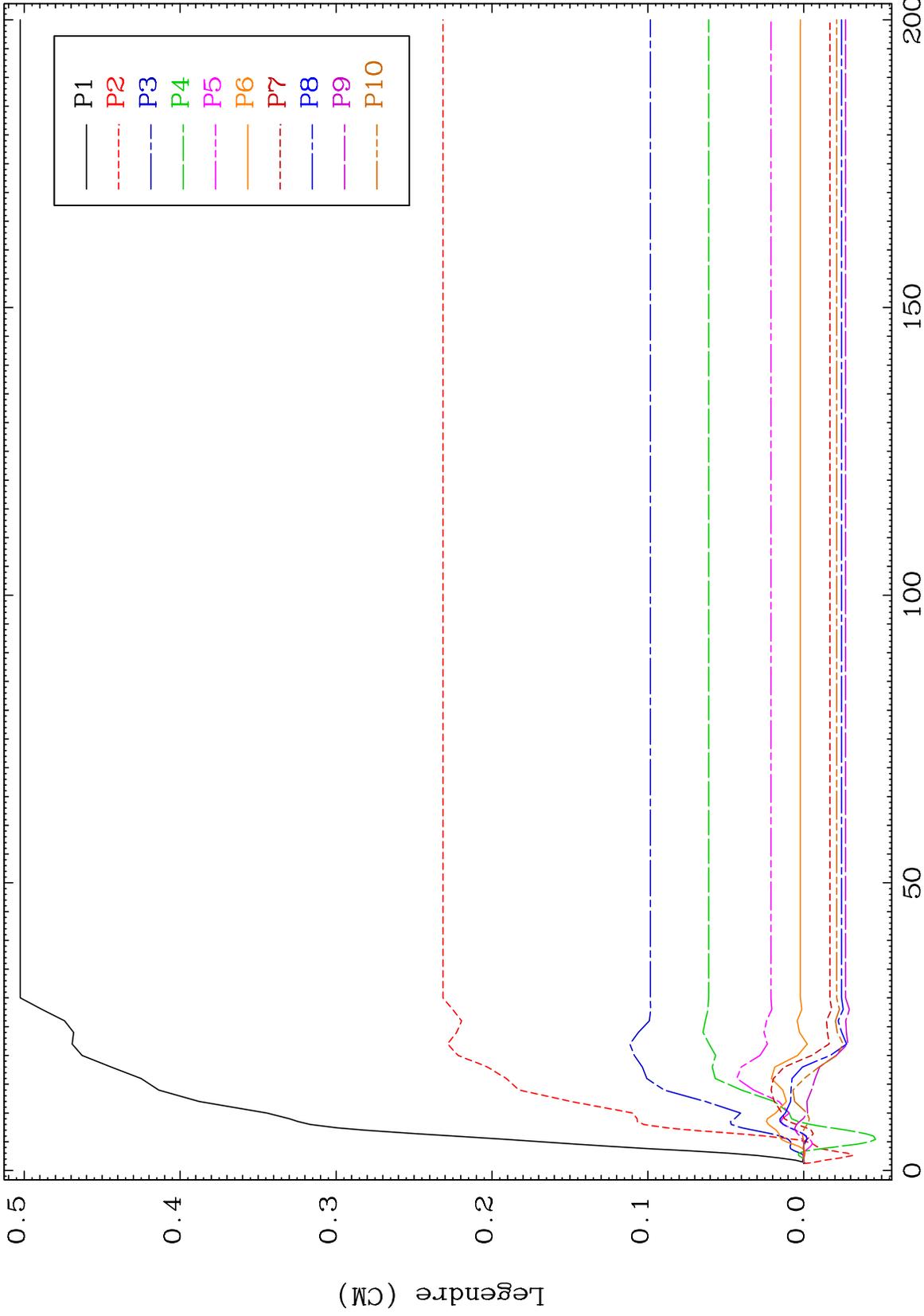
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



77

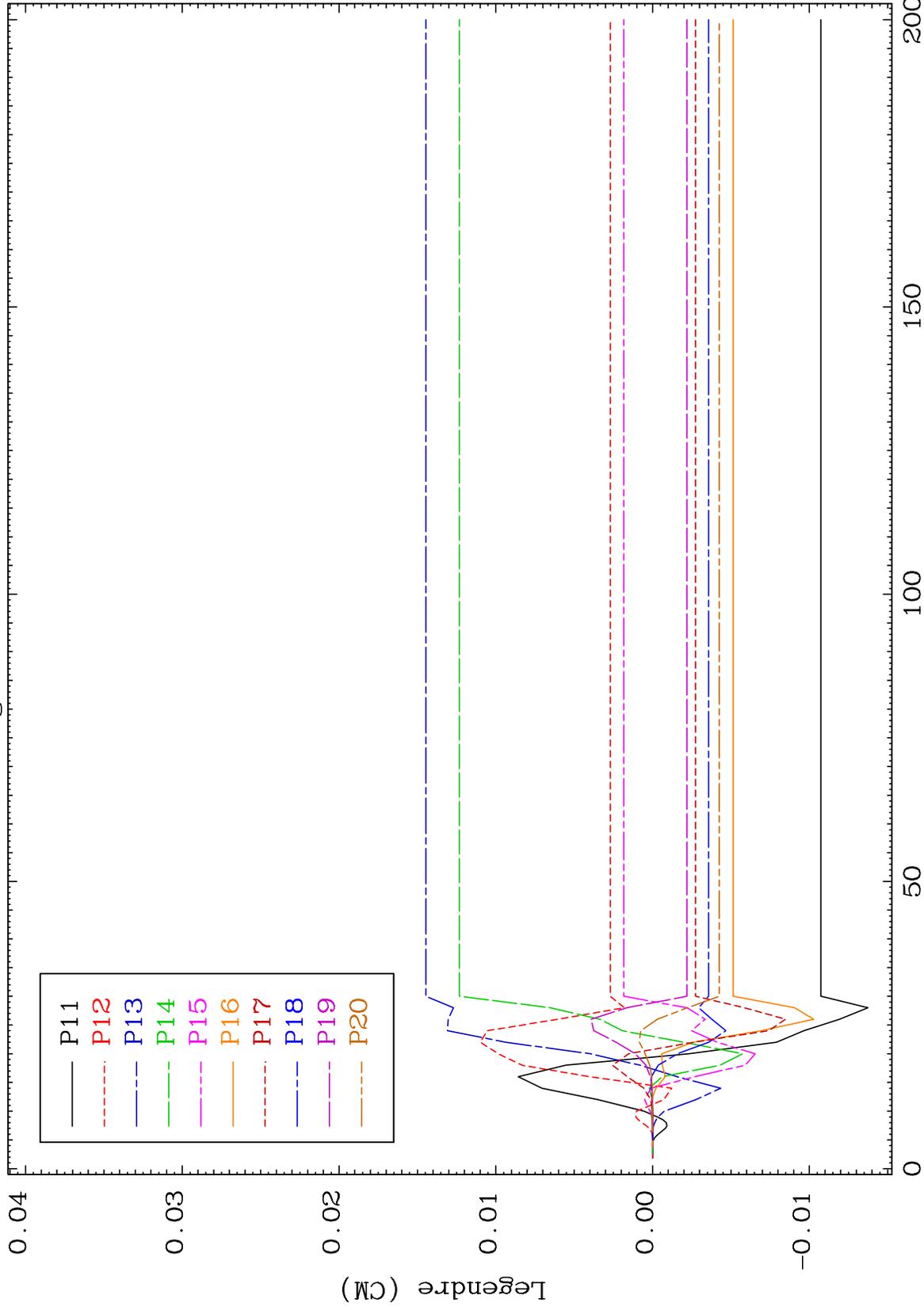
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



78

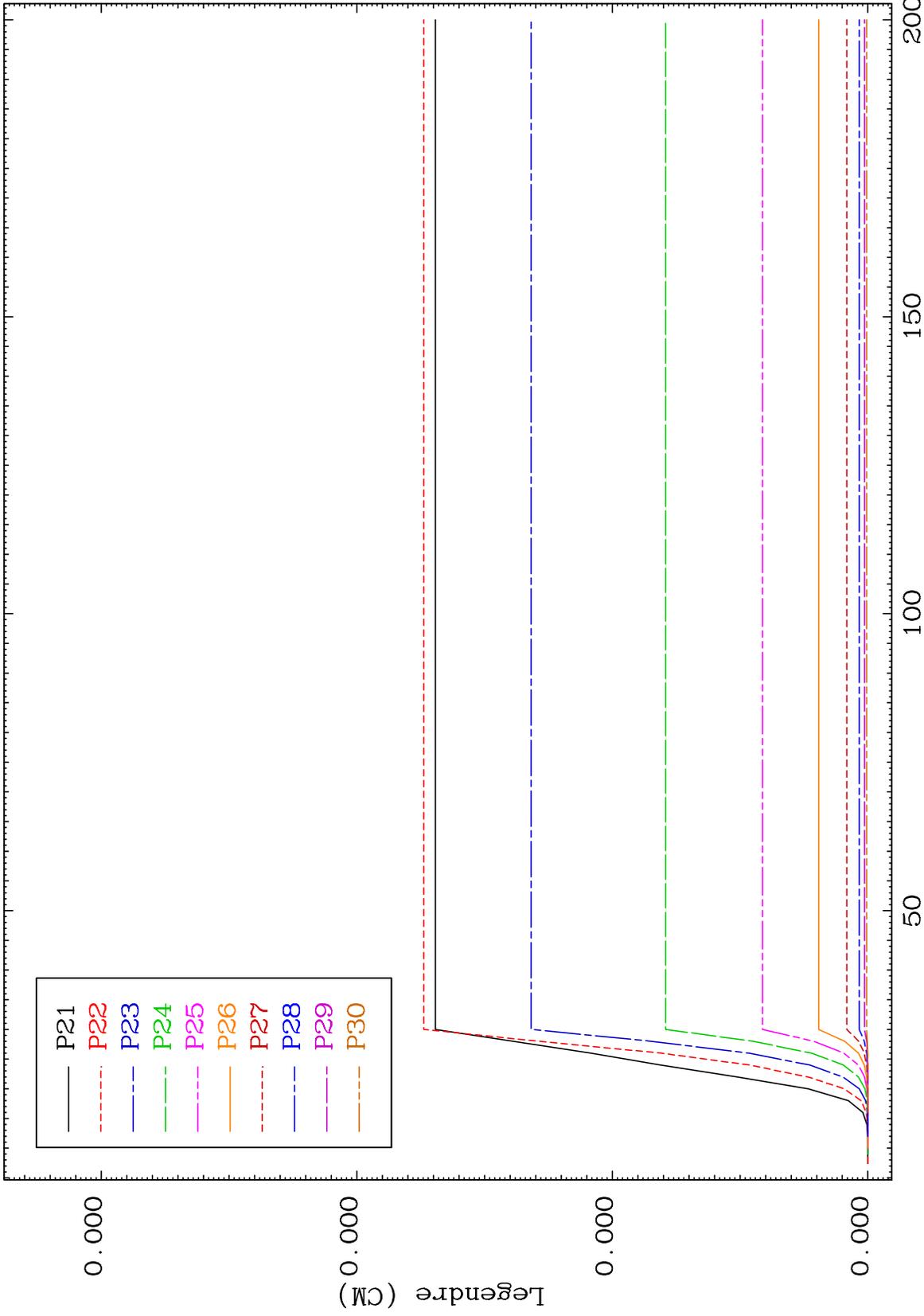
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



79

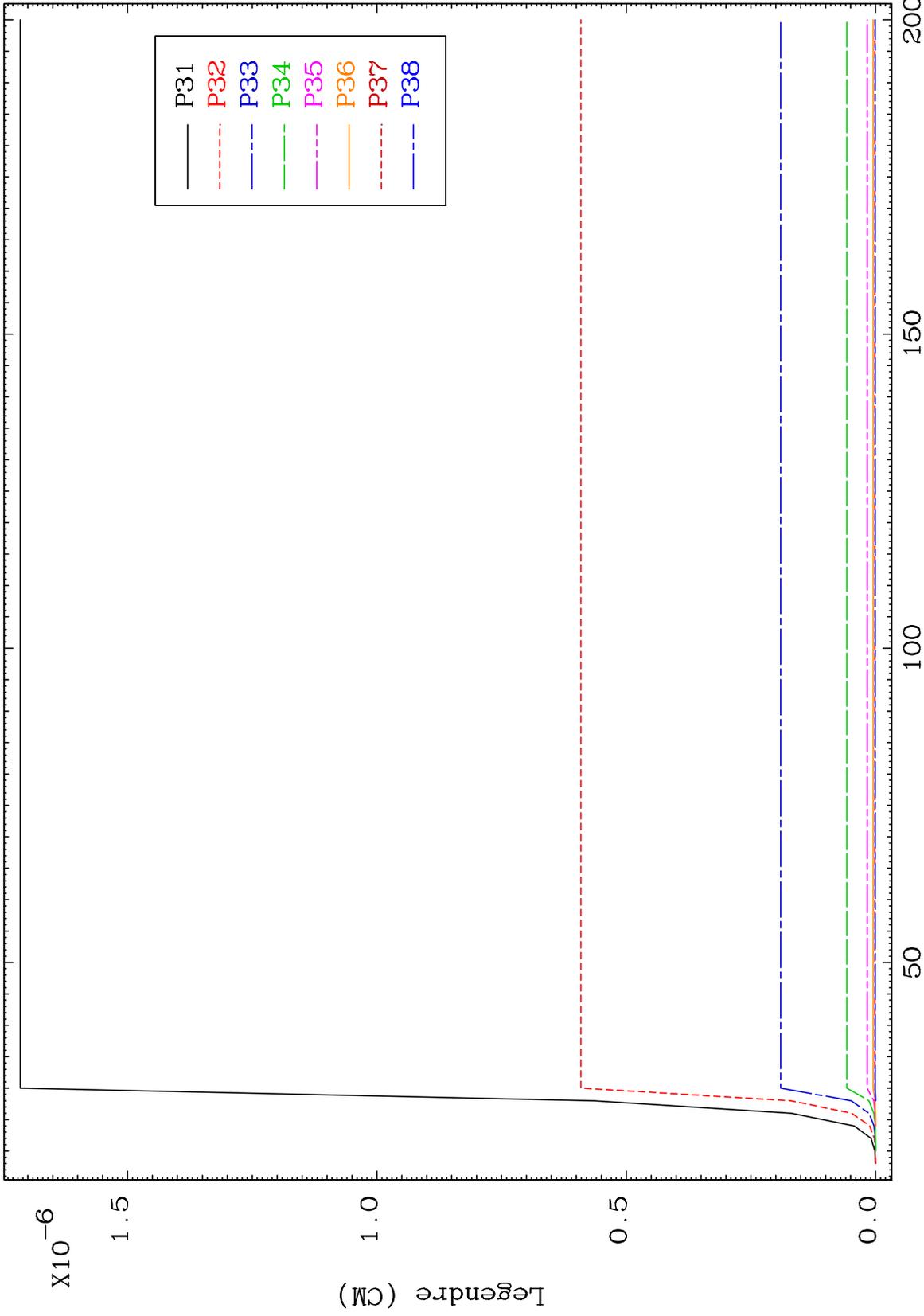
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



80

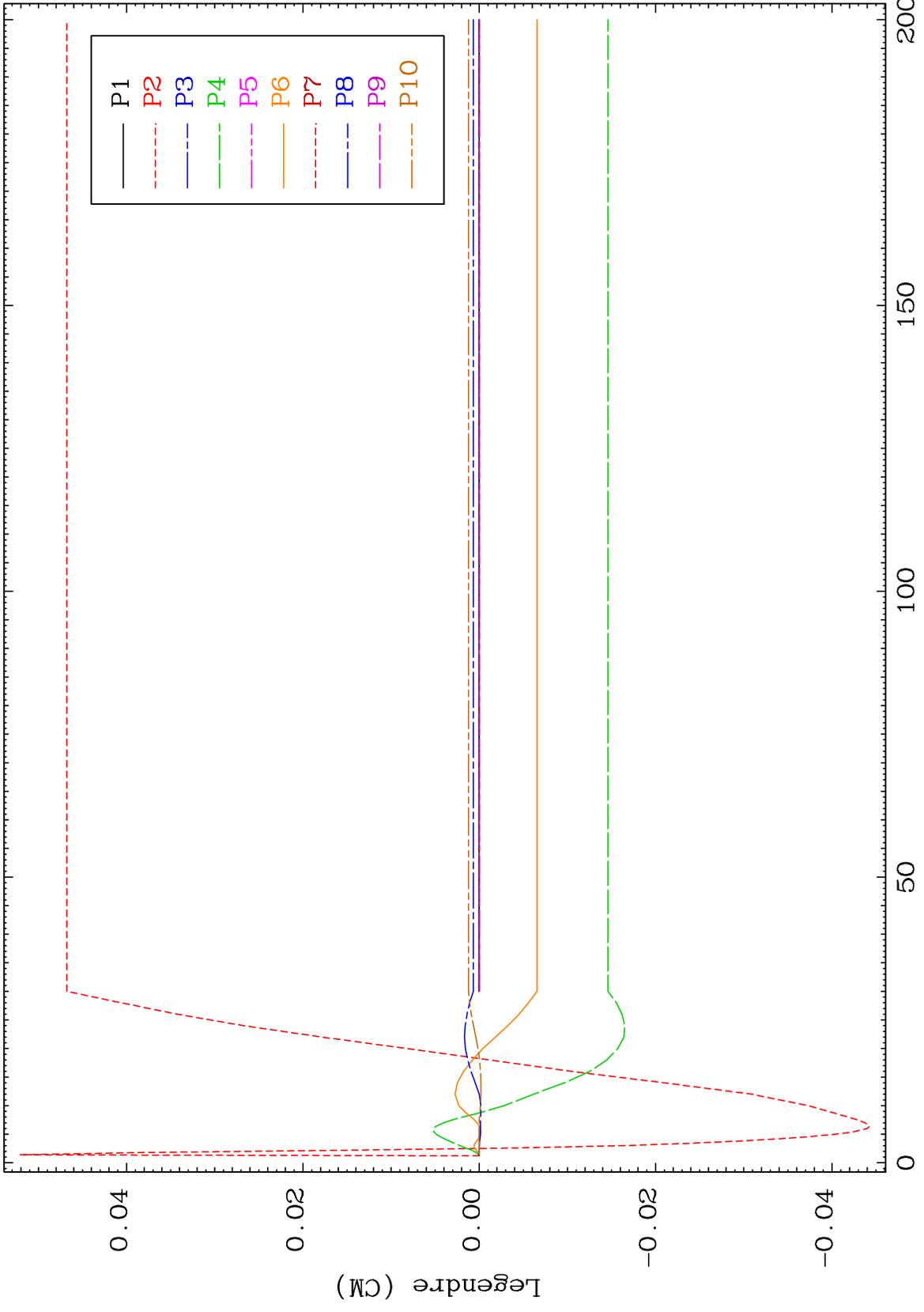
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



81

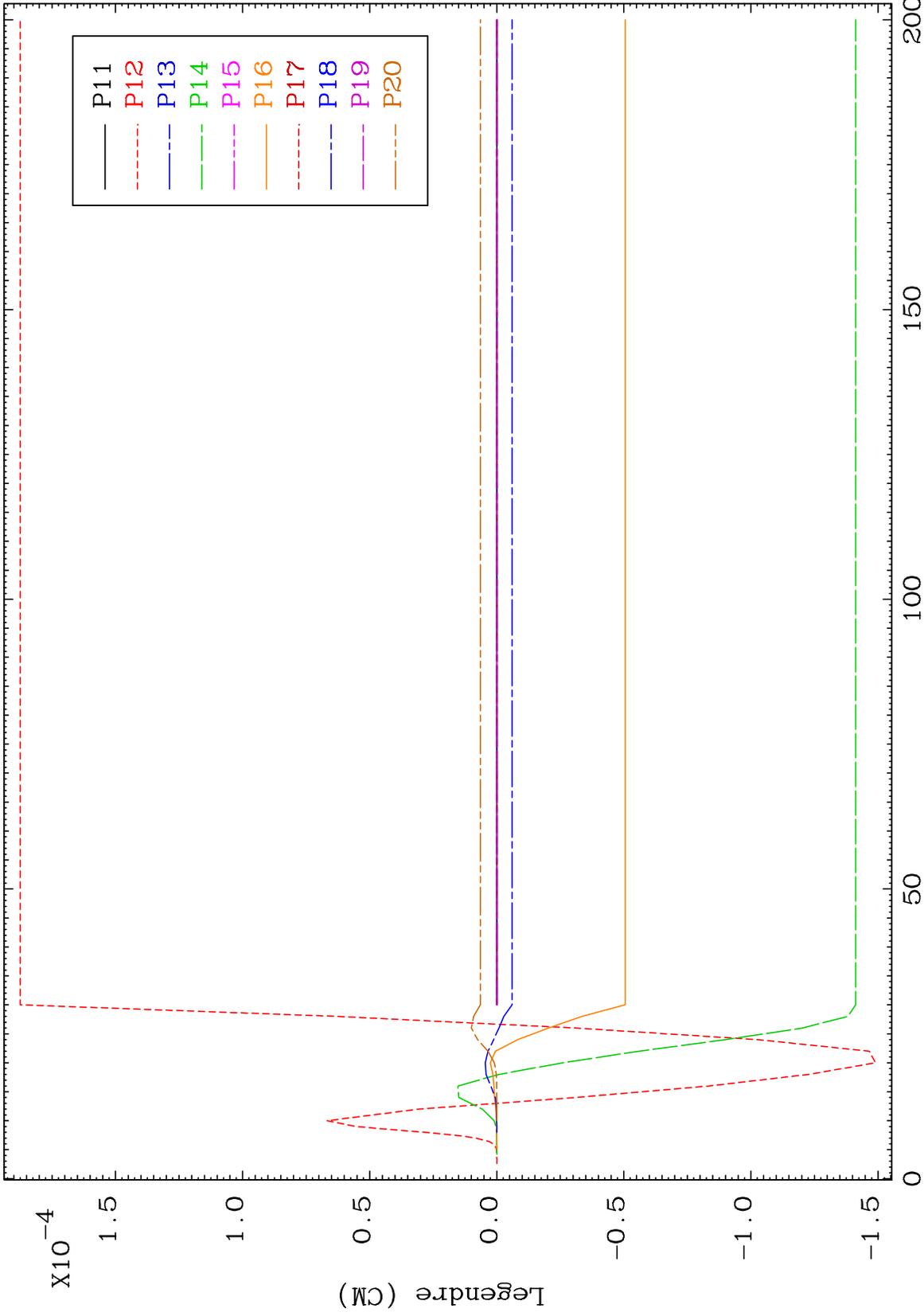
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



82

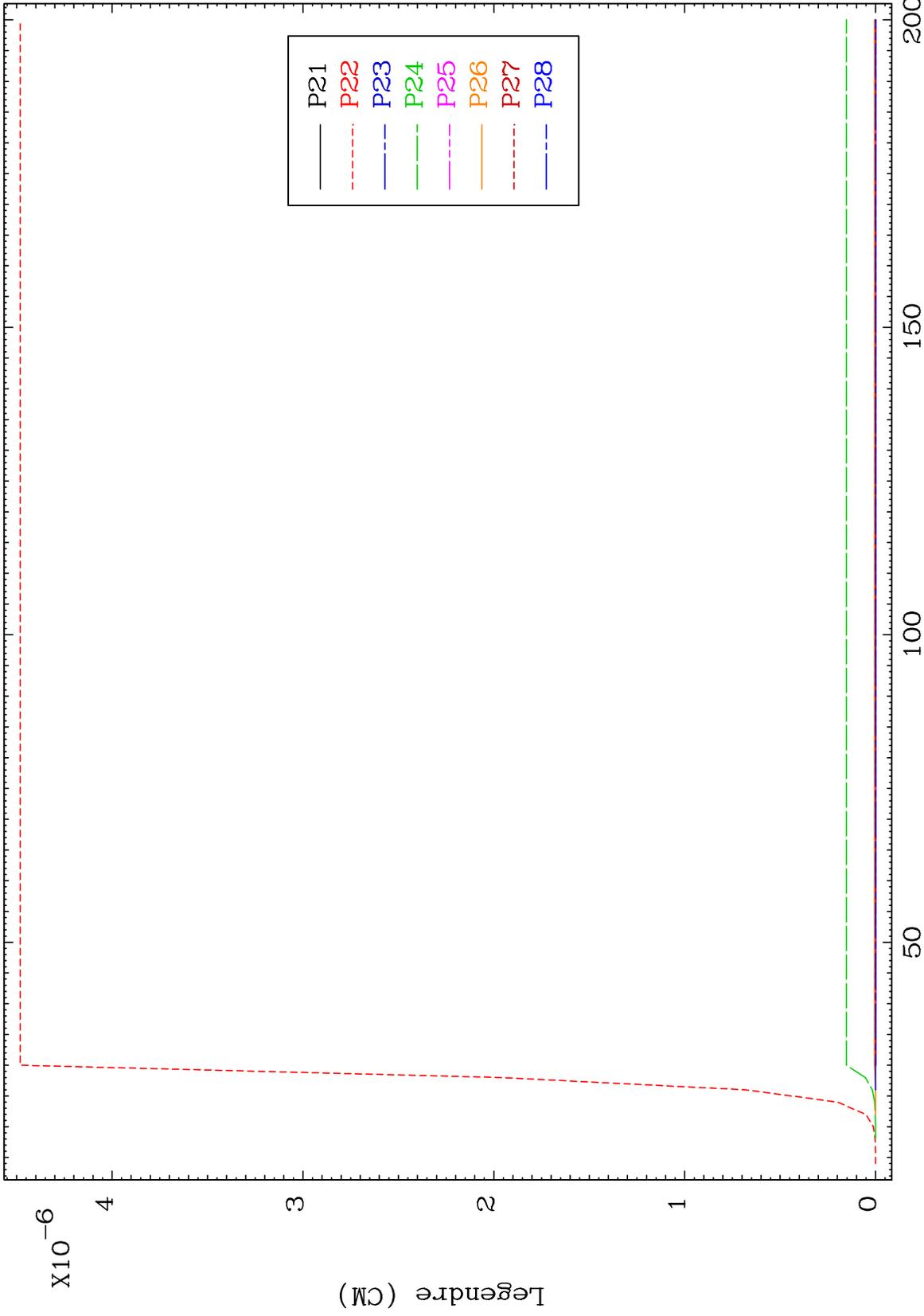
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



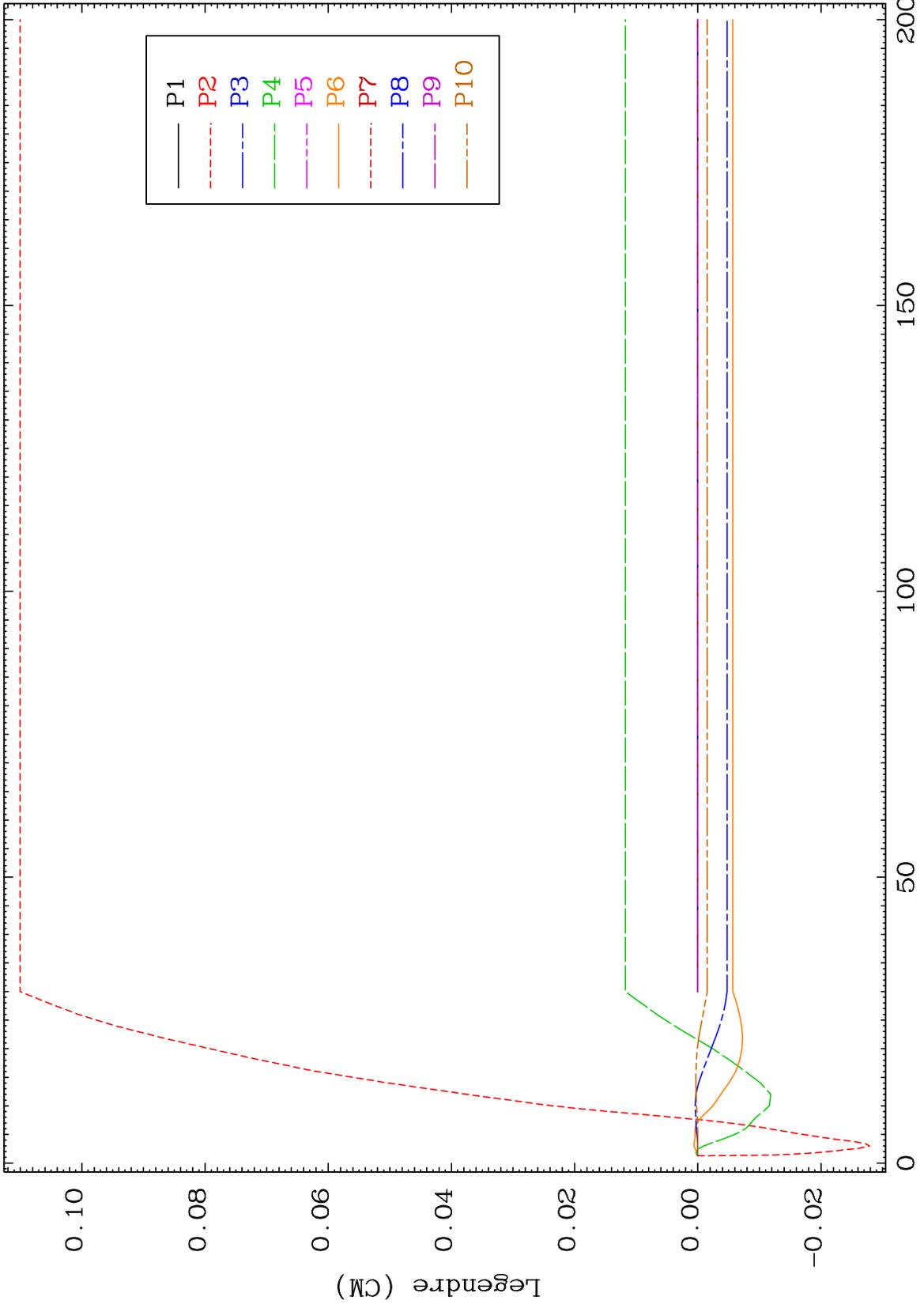
83

83-Bi-210

MAT 8328

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

83-Bi-210



84

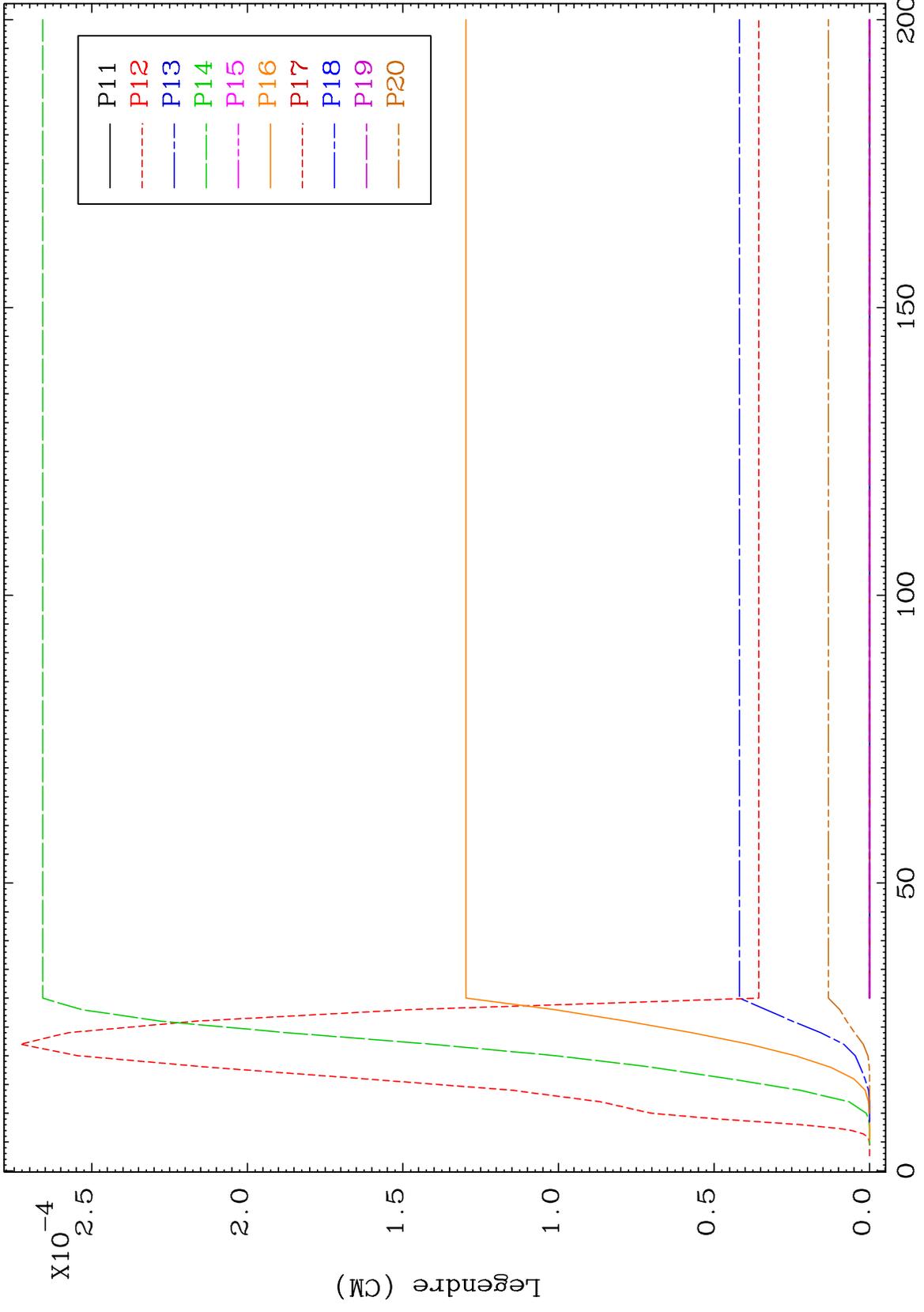
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



85

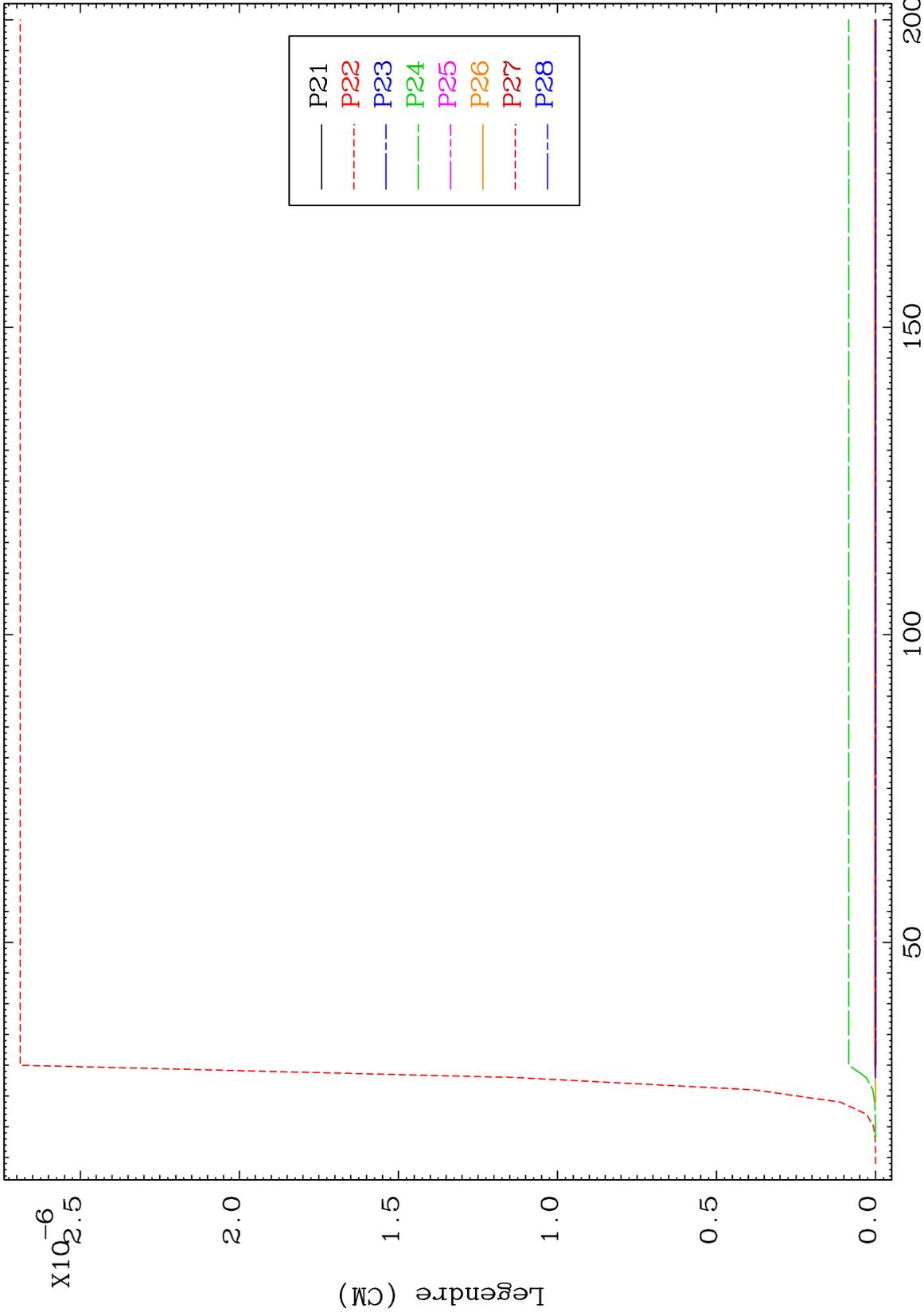
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



86

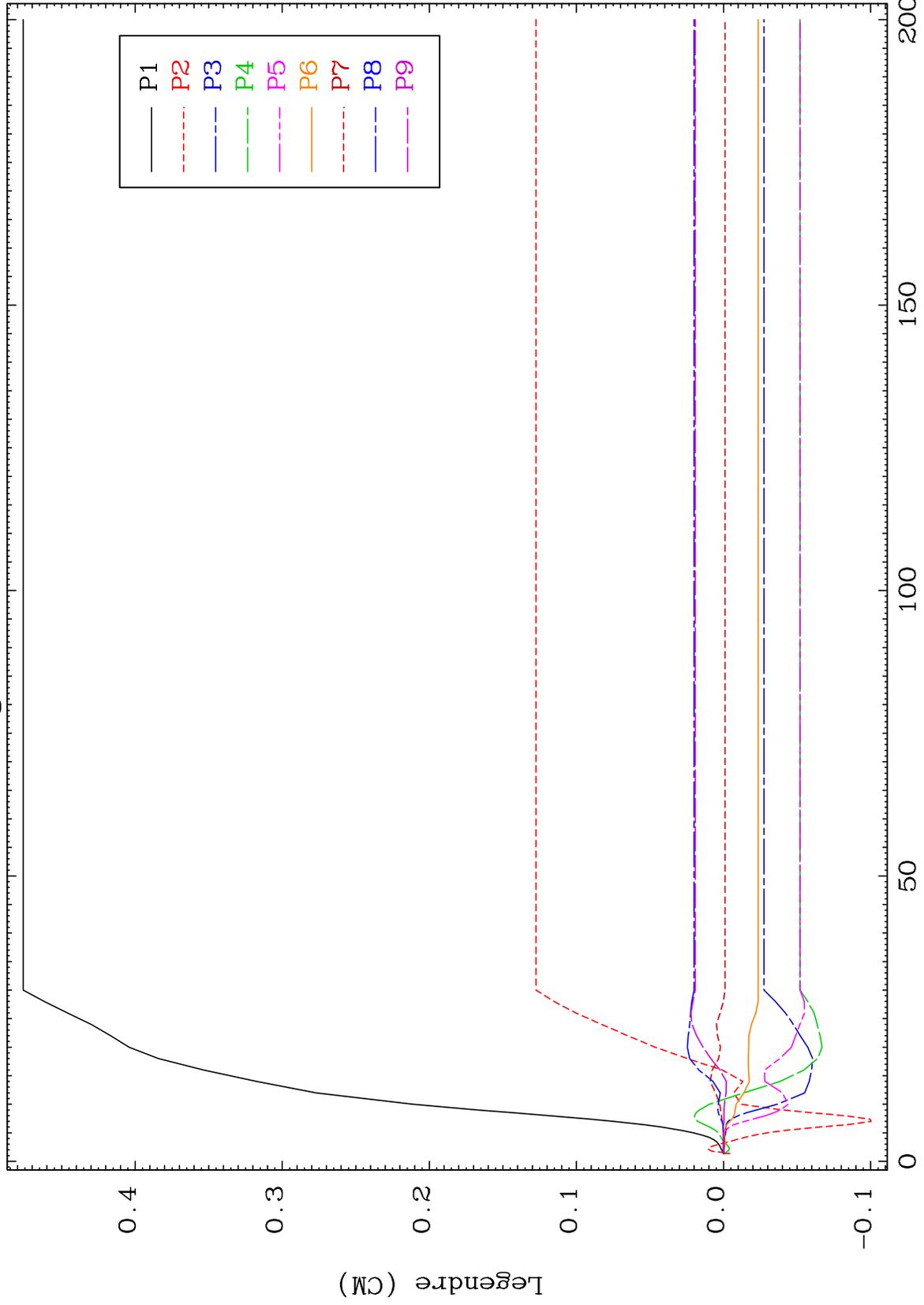
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



87

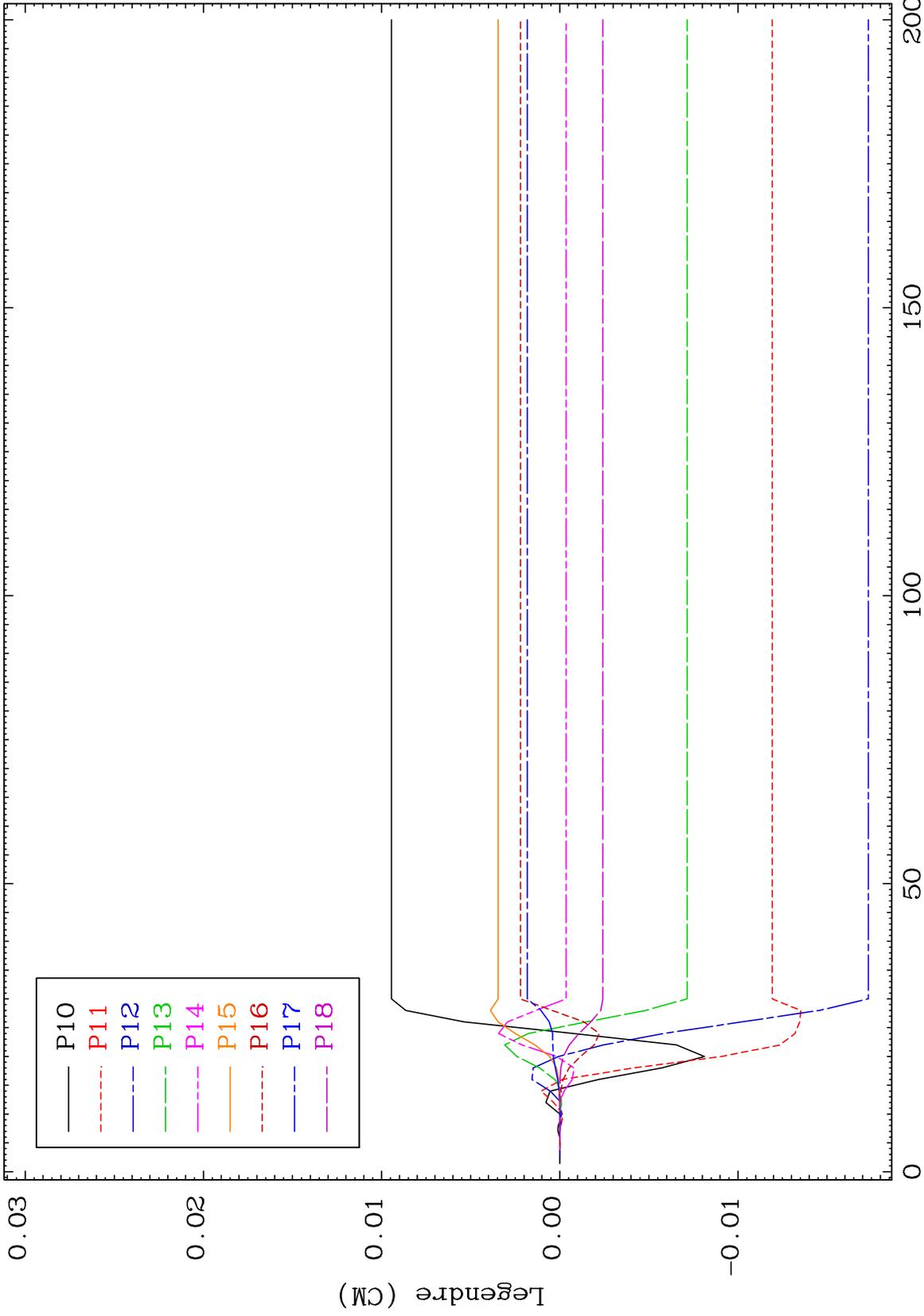
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



88

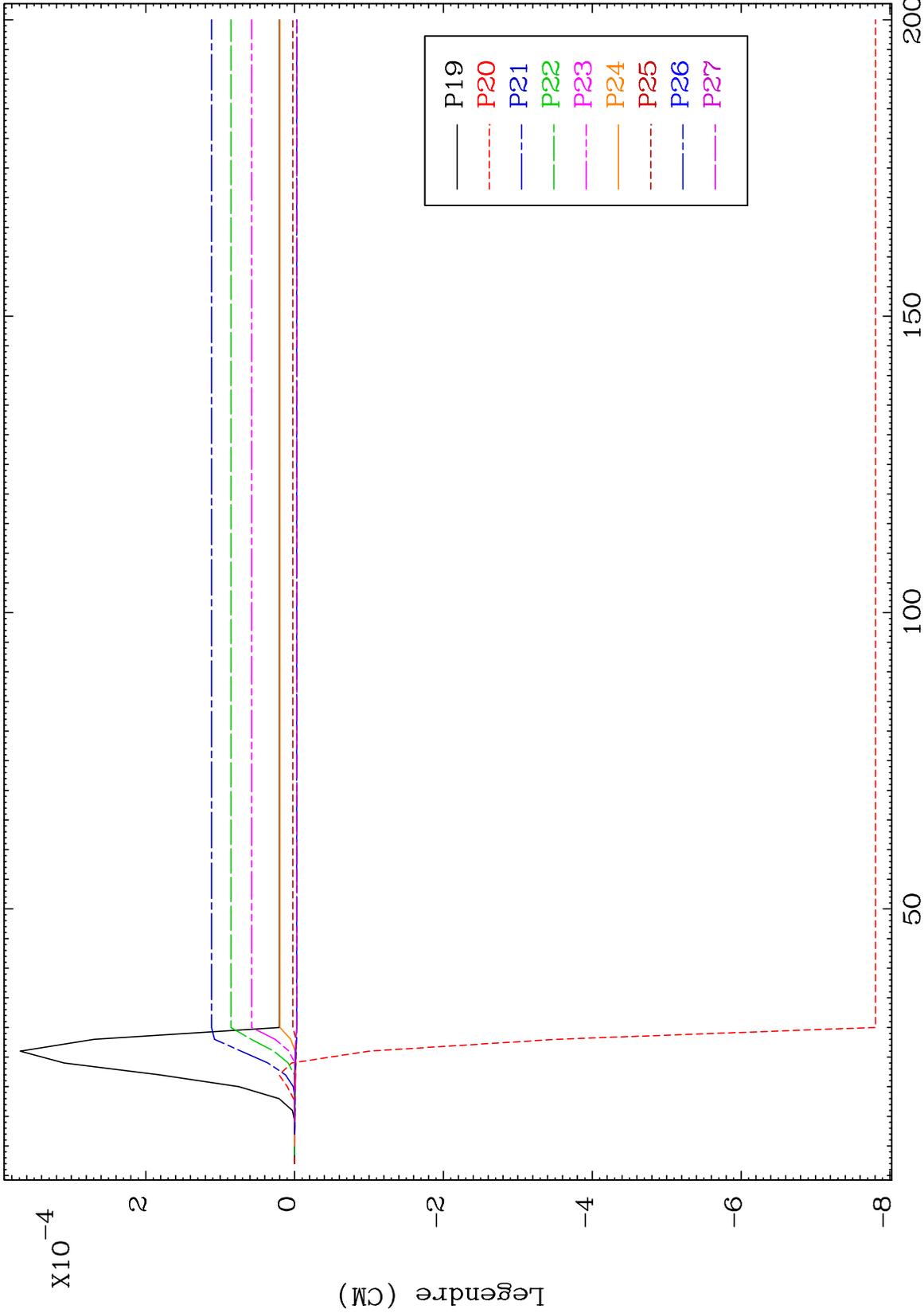
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



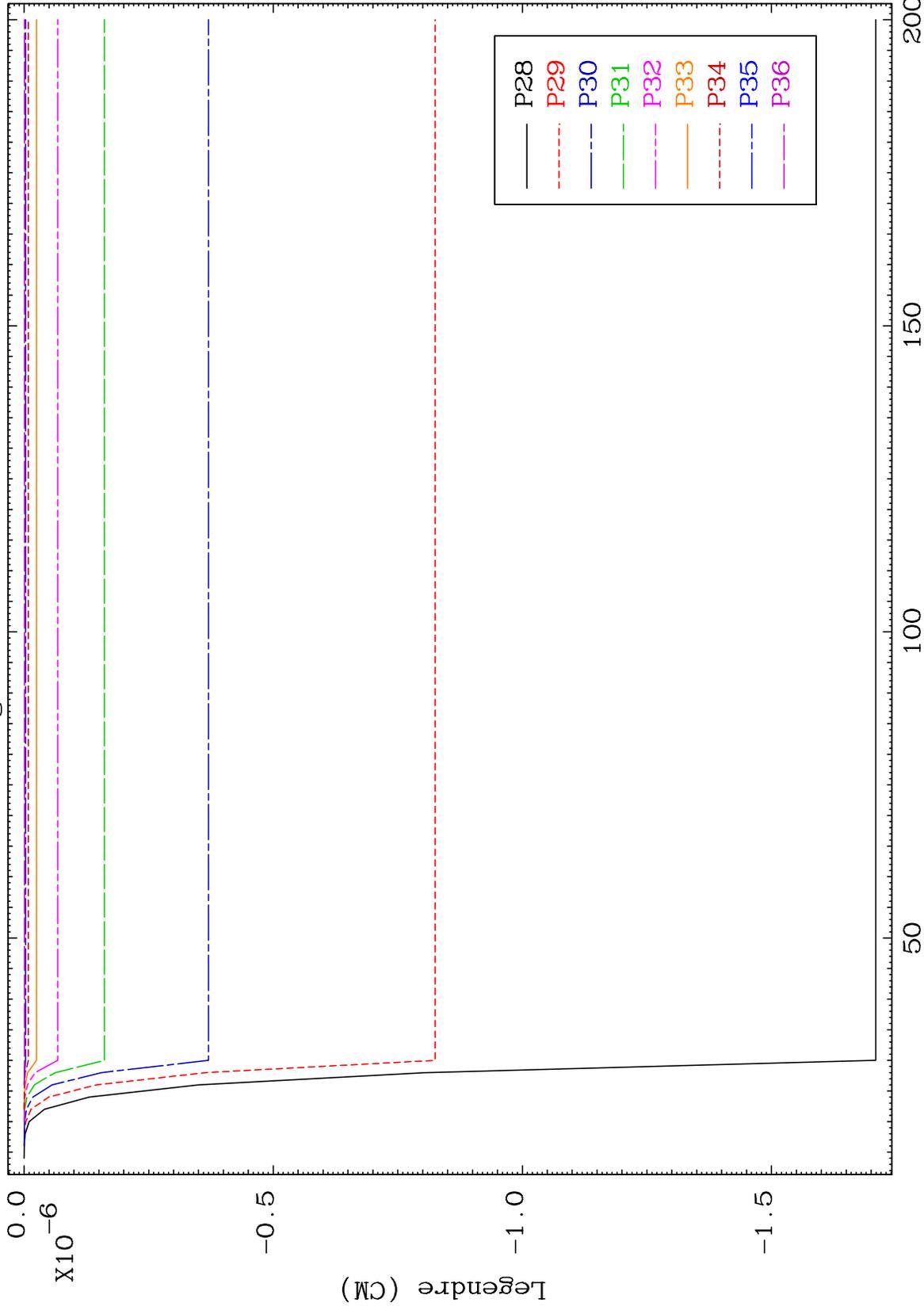
89

83-Bi-210

MAT 8328

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

83-Bi-210



83-Bi-210

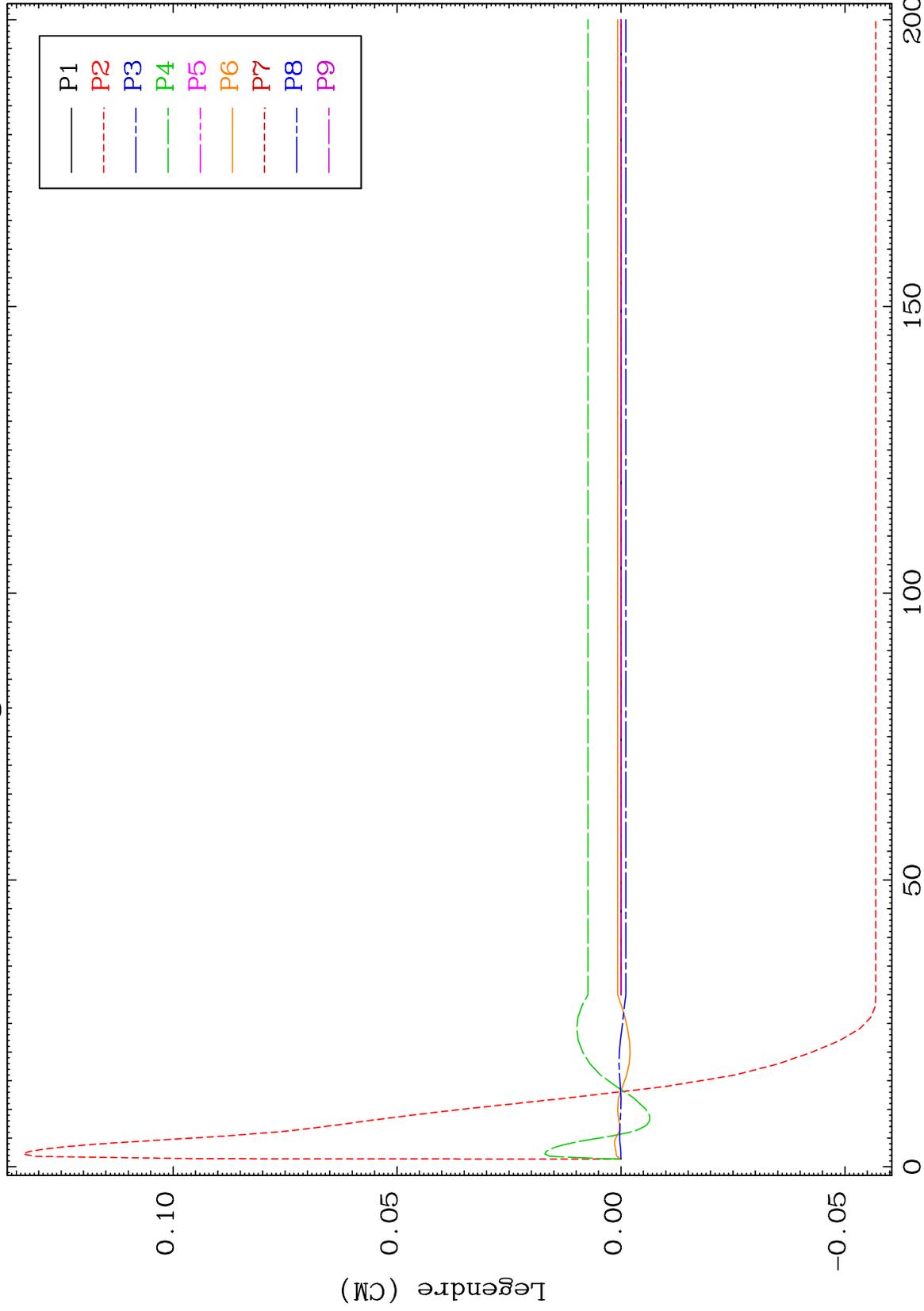
Incident Energy (MeV)

90

MAT 8328

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

83-Bi-210



91

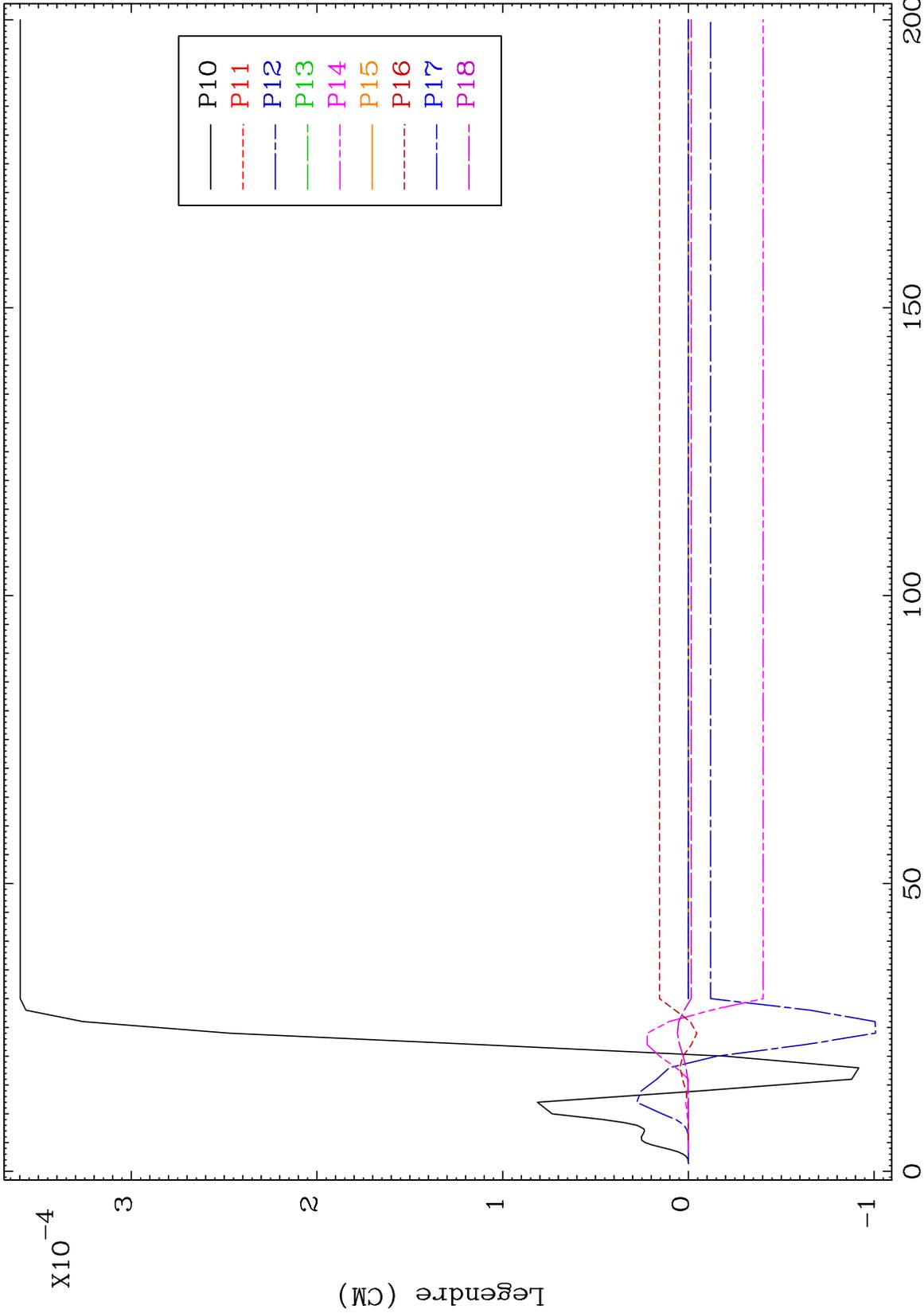
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210

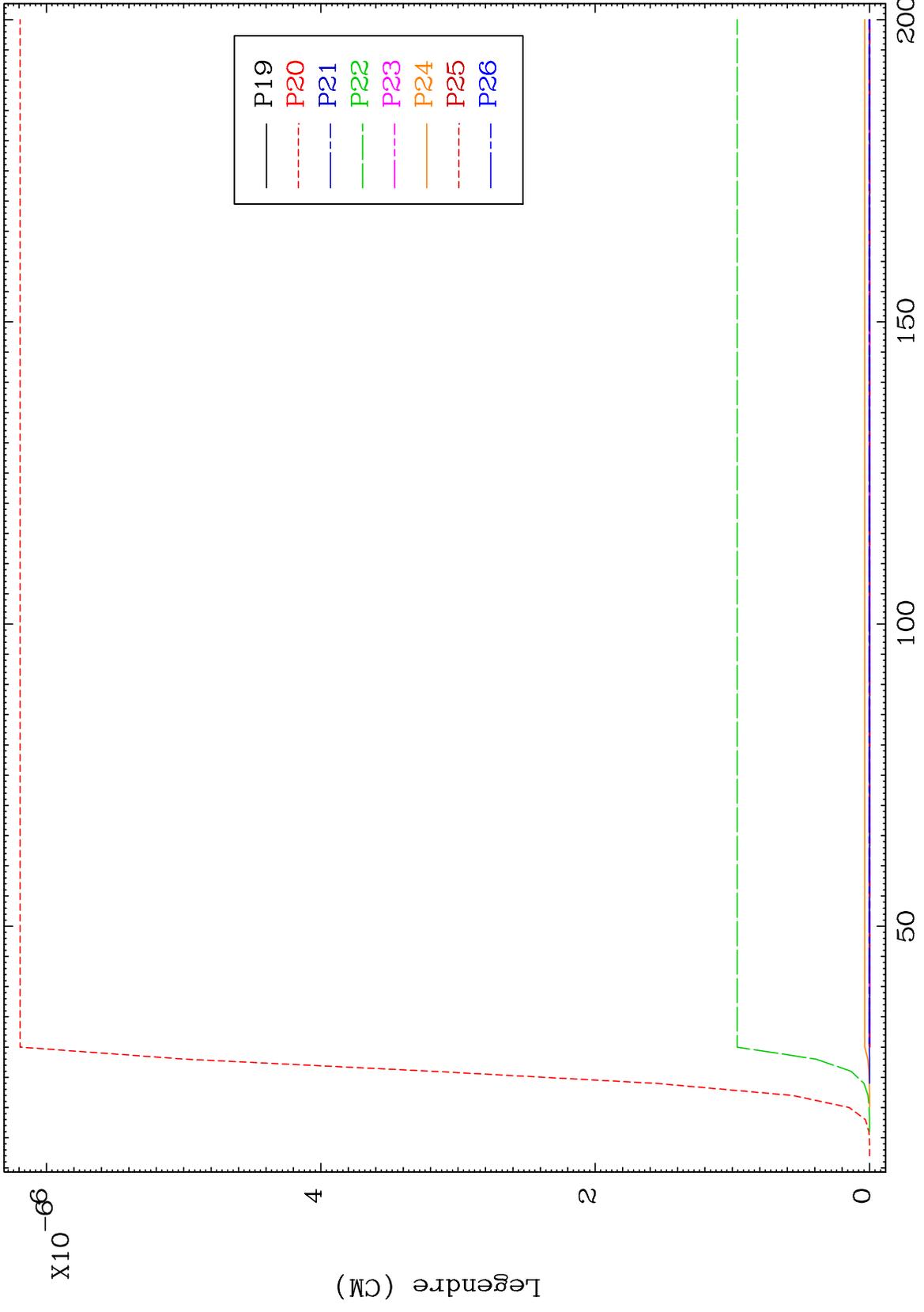


92

Incident Energy (MeV)

83-Bi-210

MAT 8328 MT= 72 (n,n') Level Legendre Coefficients 83-Bi-210

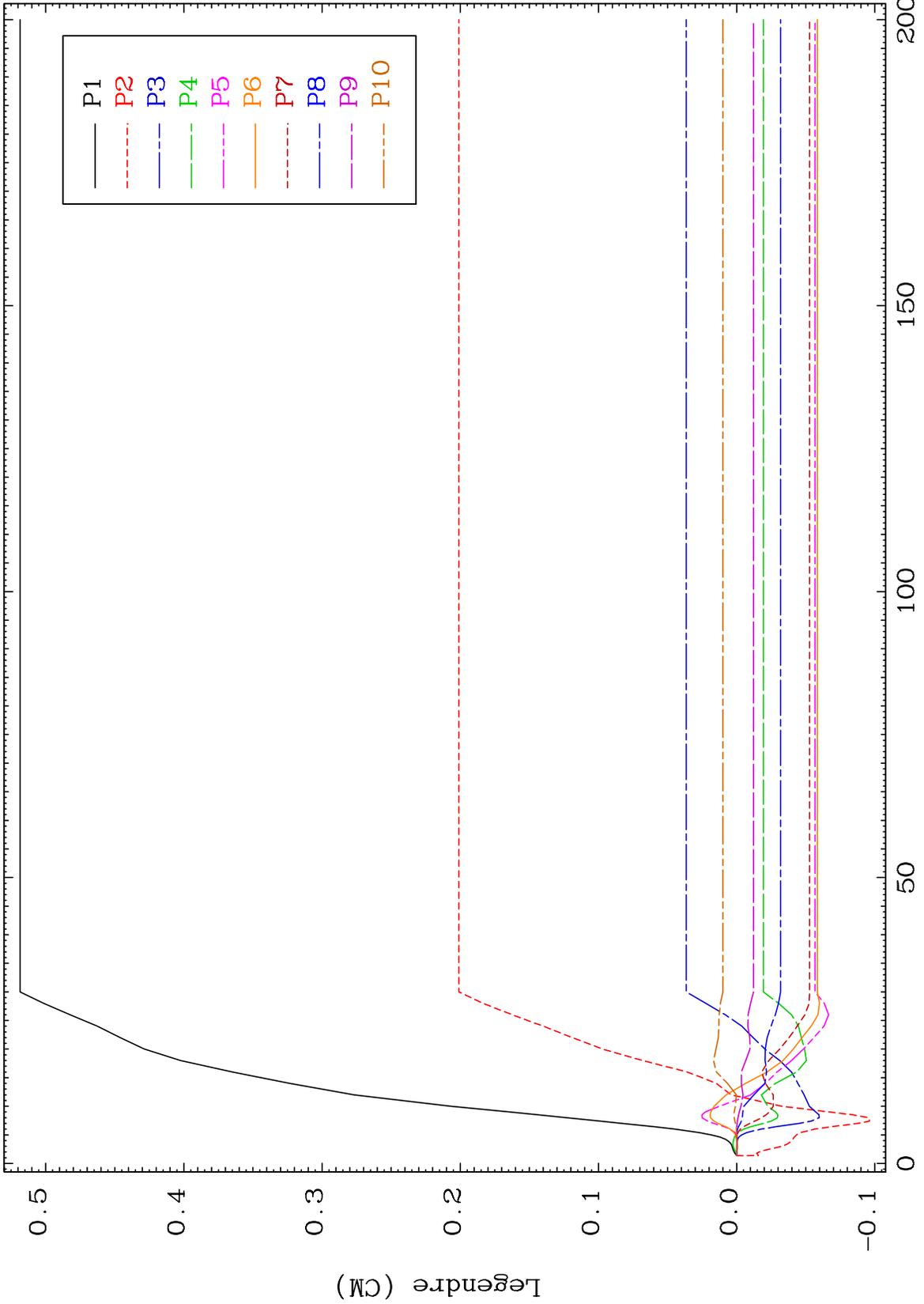


93 83-Bi-210

MAT 8328

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

83-Bi-210



94

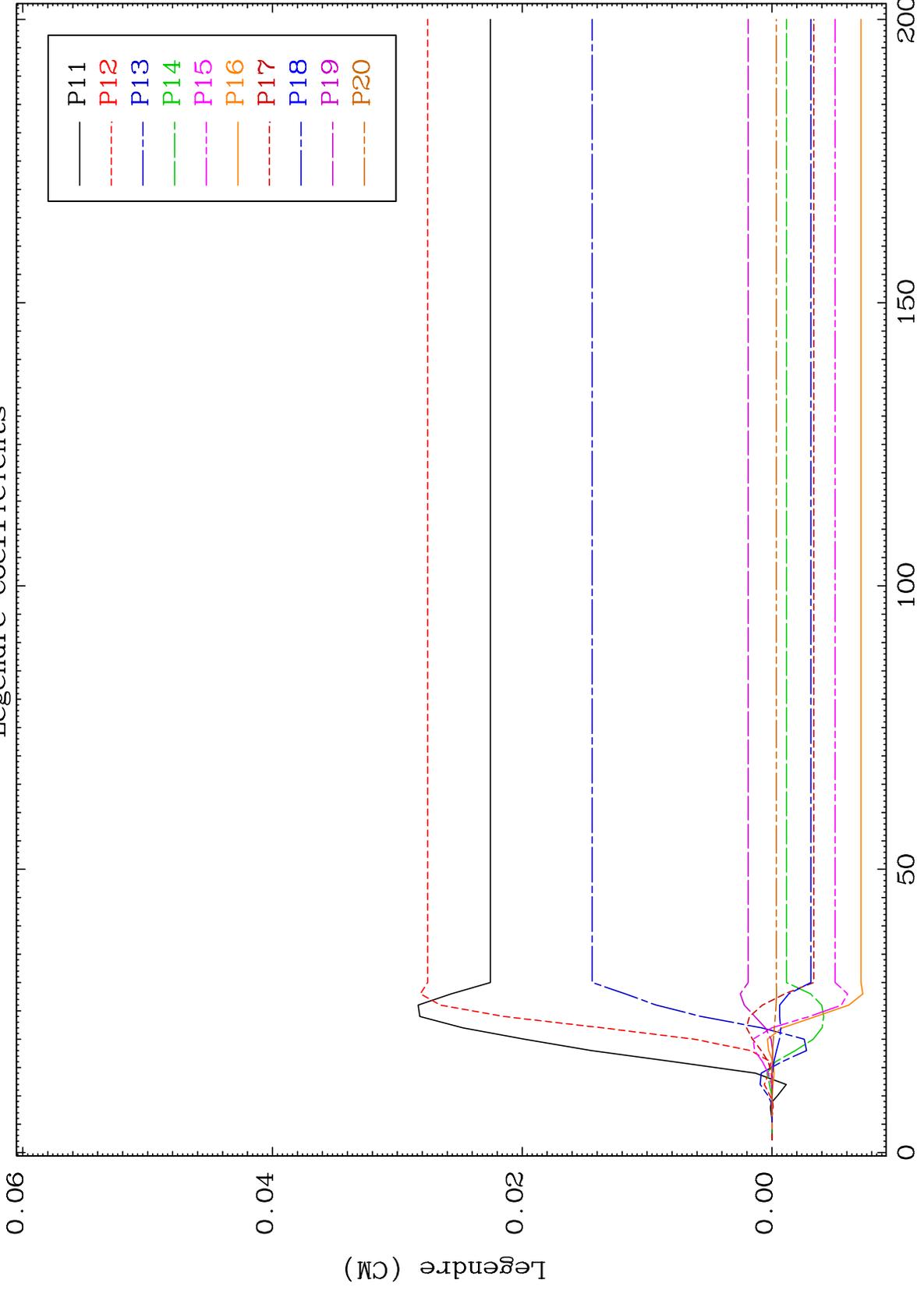
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



95

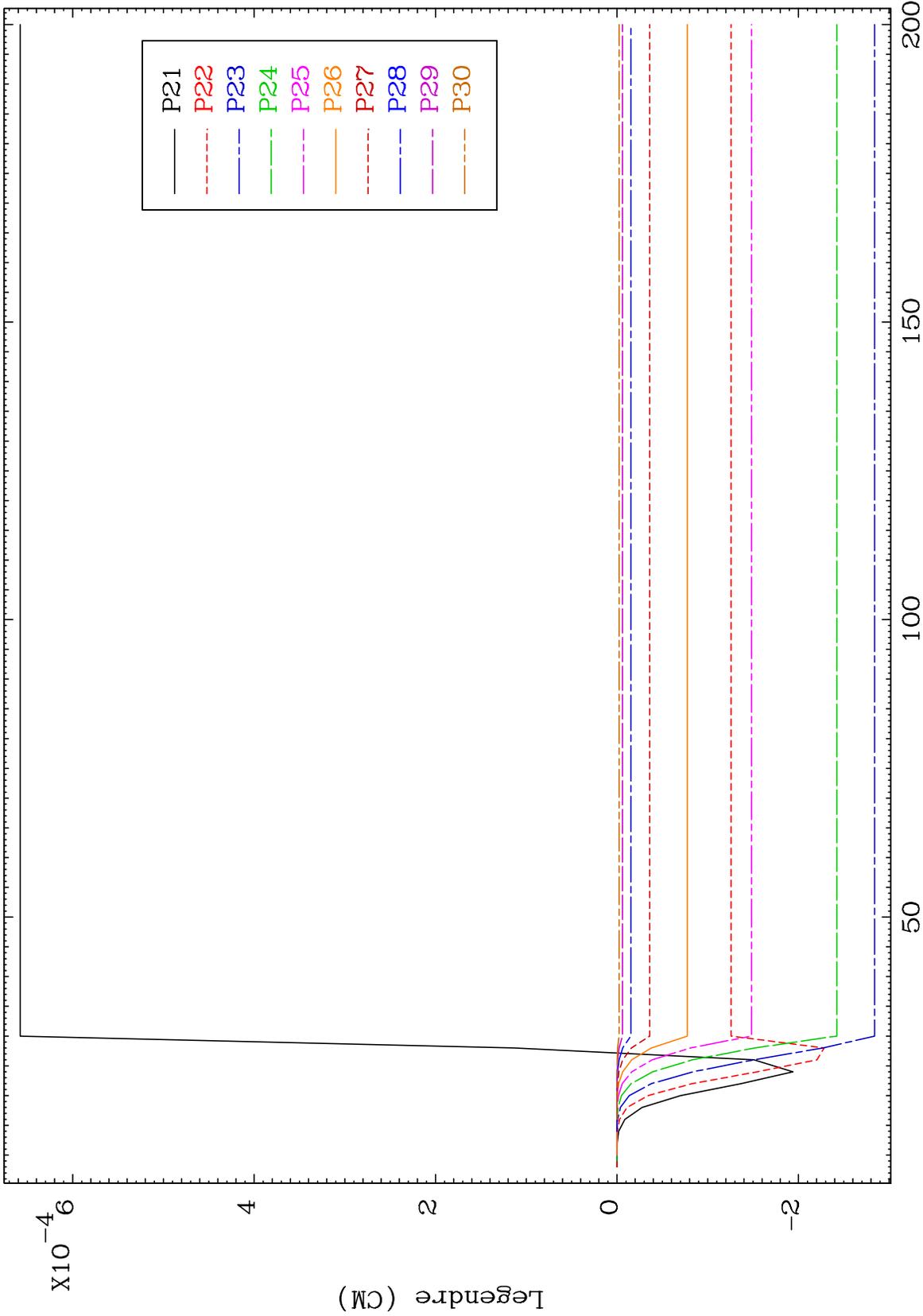
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



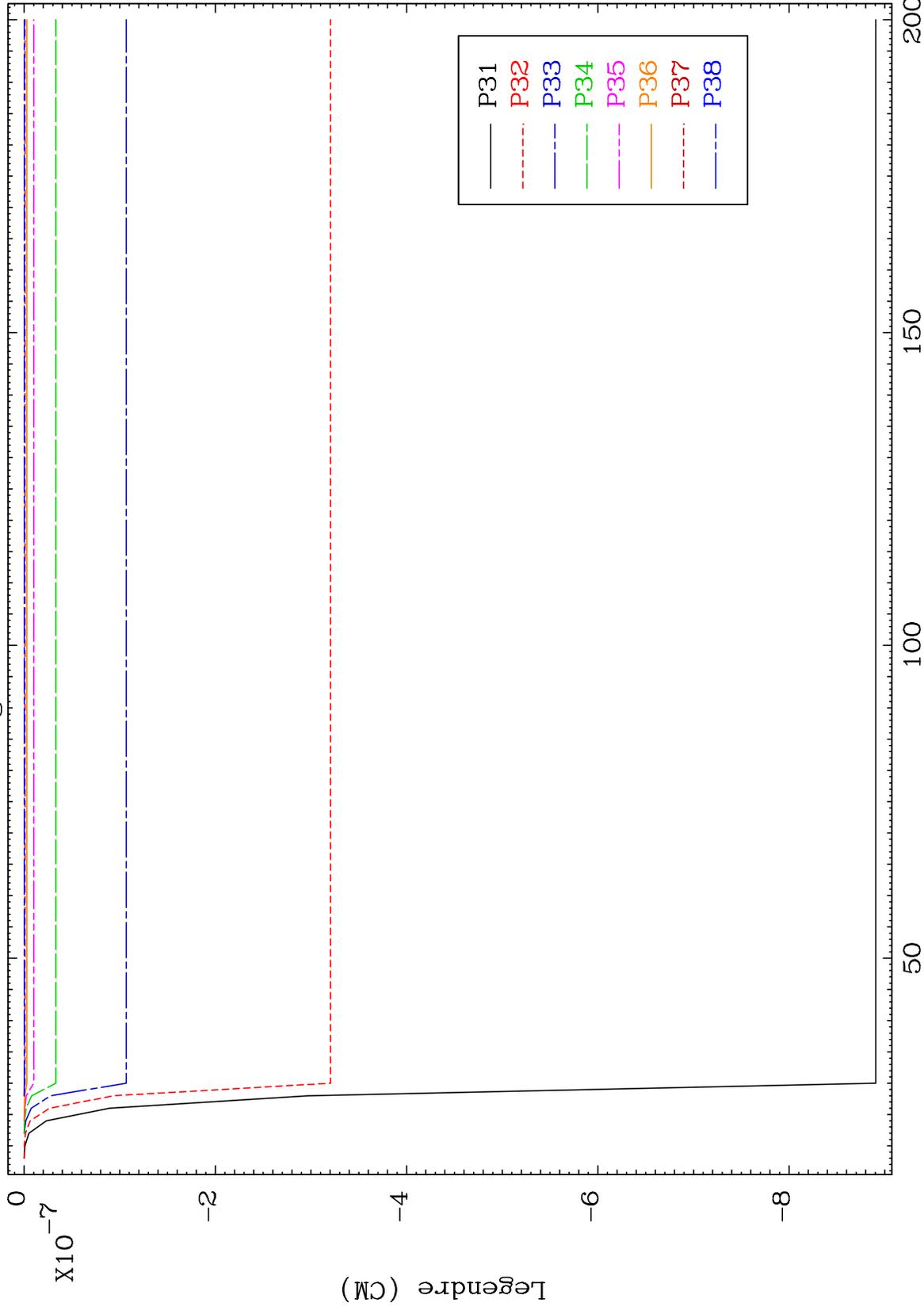
96

83-Bi-210

MAT 8328

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

83-Bi-210



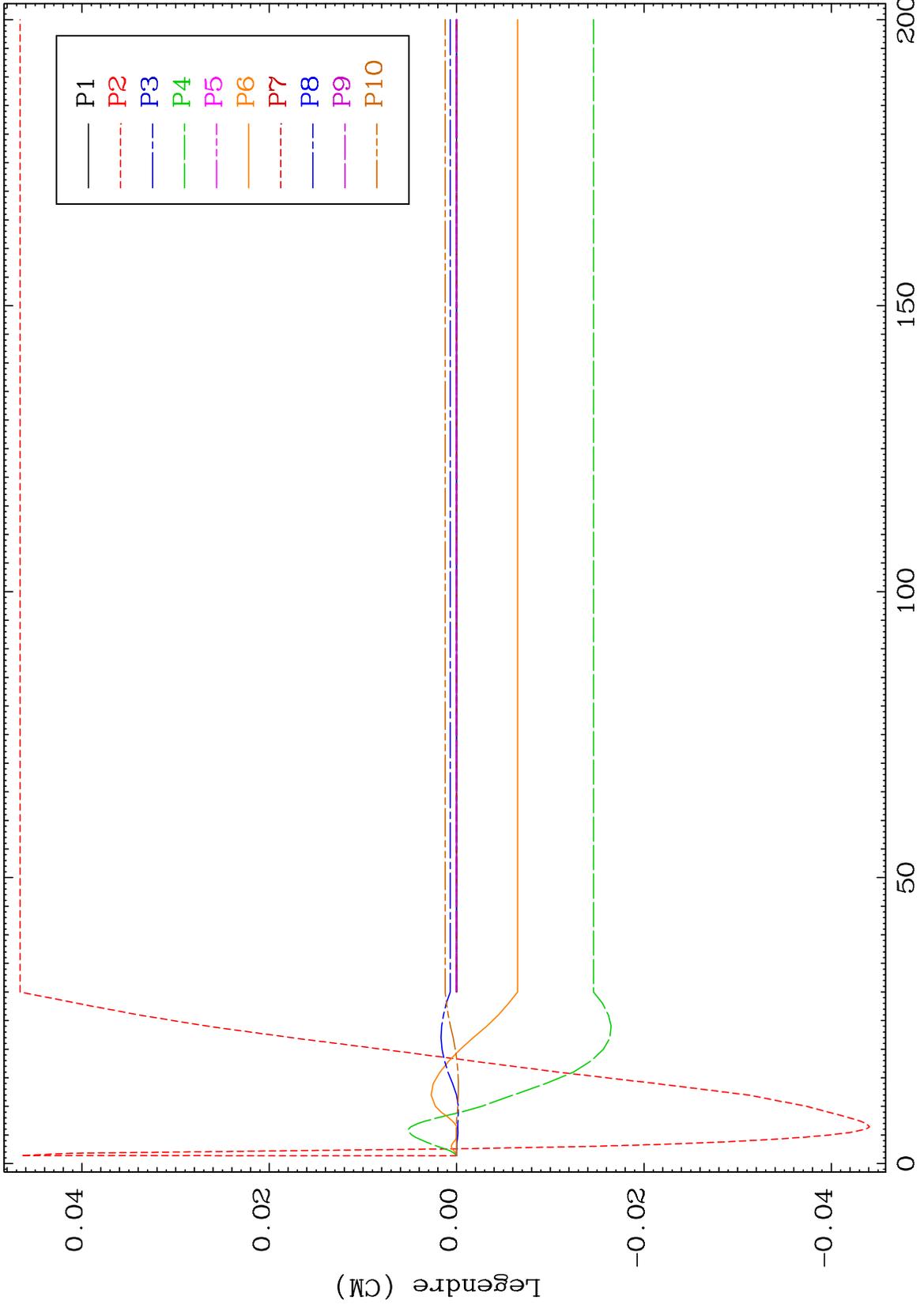
97

83-Bi-210

MAT 8328

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

83-Bi-210



98

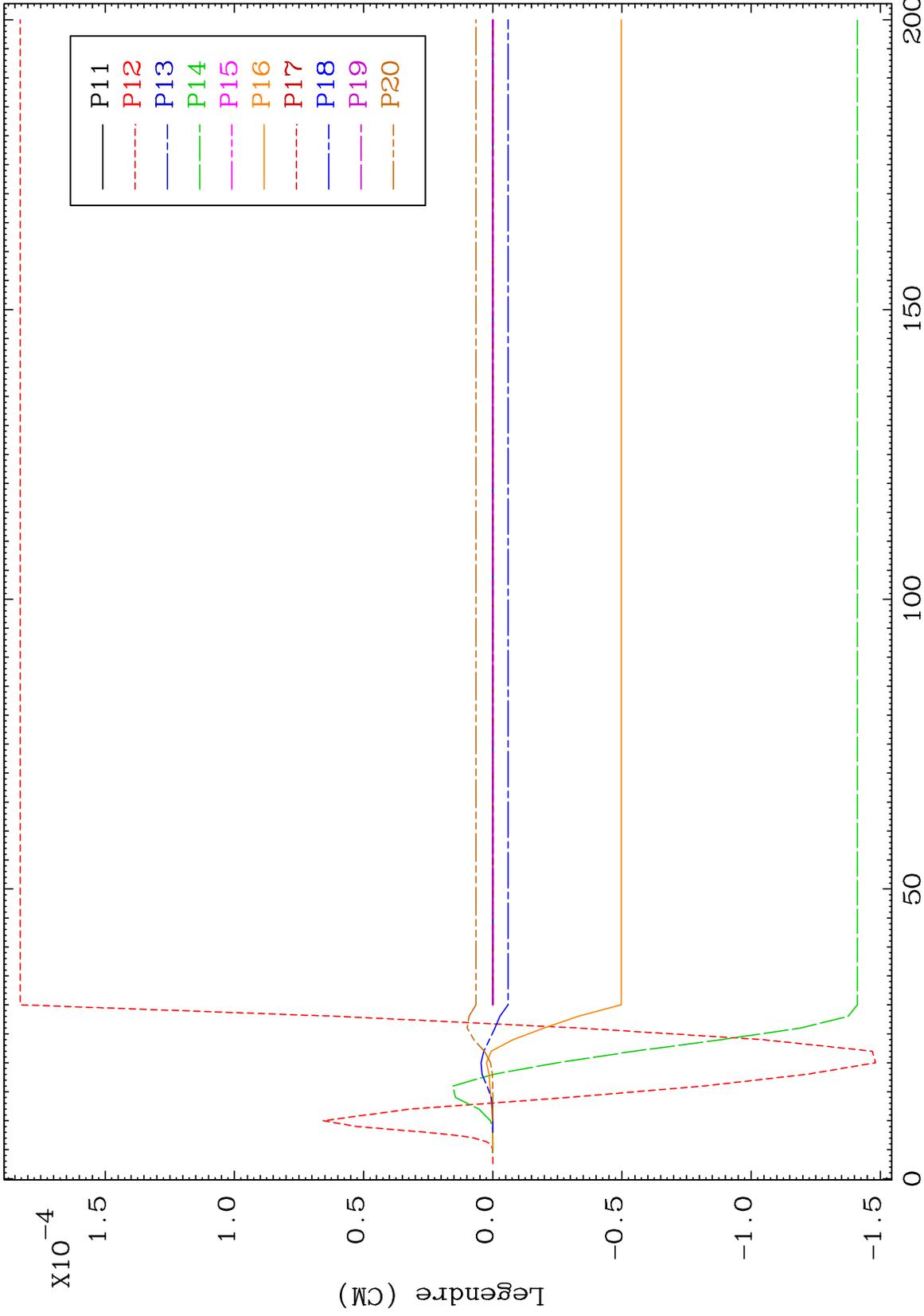
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



99

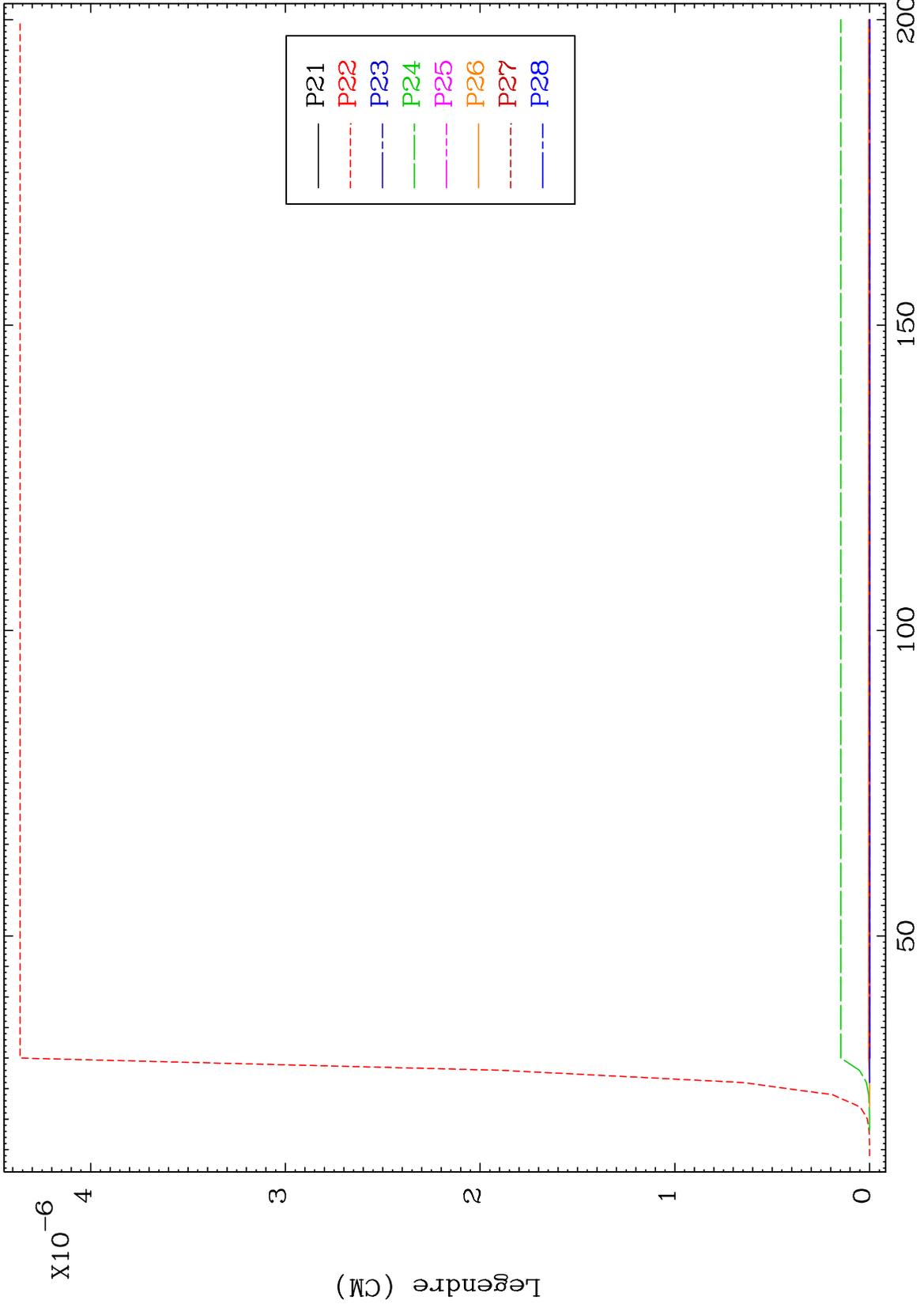
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



83-Bi-210

Incident Energy (MeV)

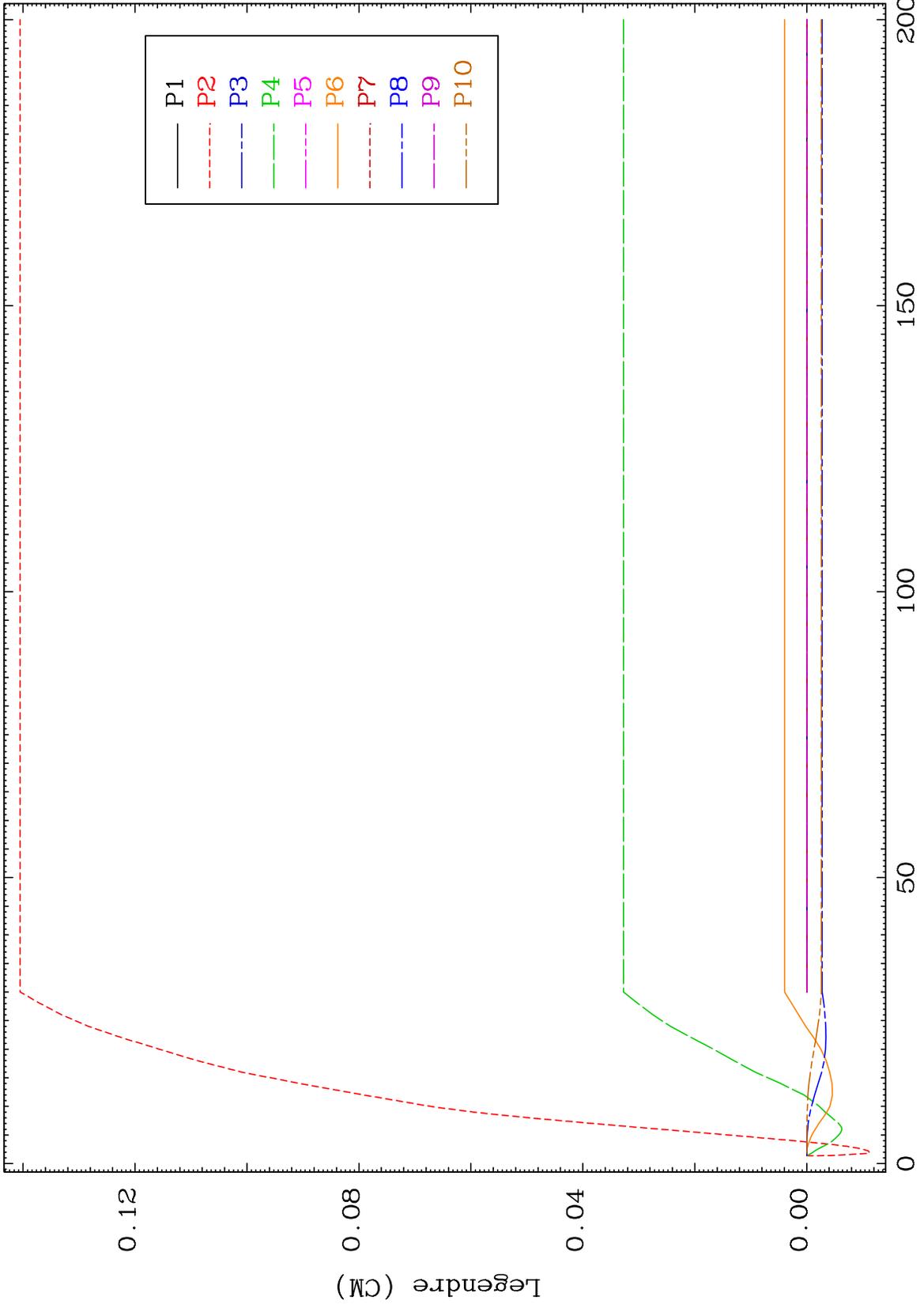
Legendre (CM)

$\times 10^{-6}$

MAT 8328

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

83-Bi-210



101

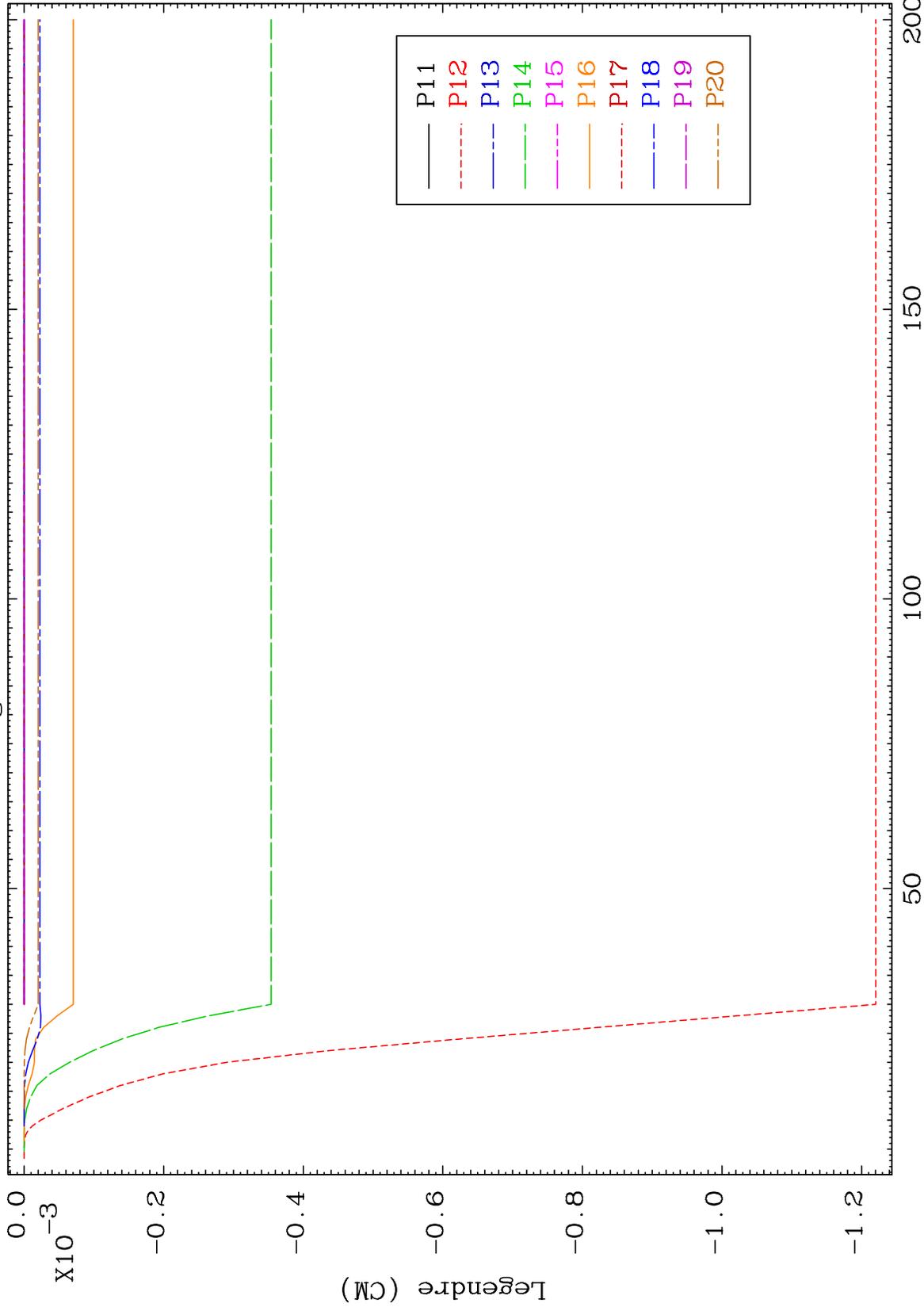
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



102

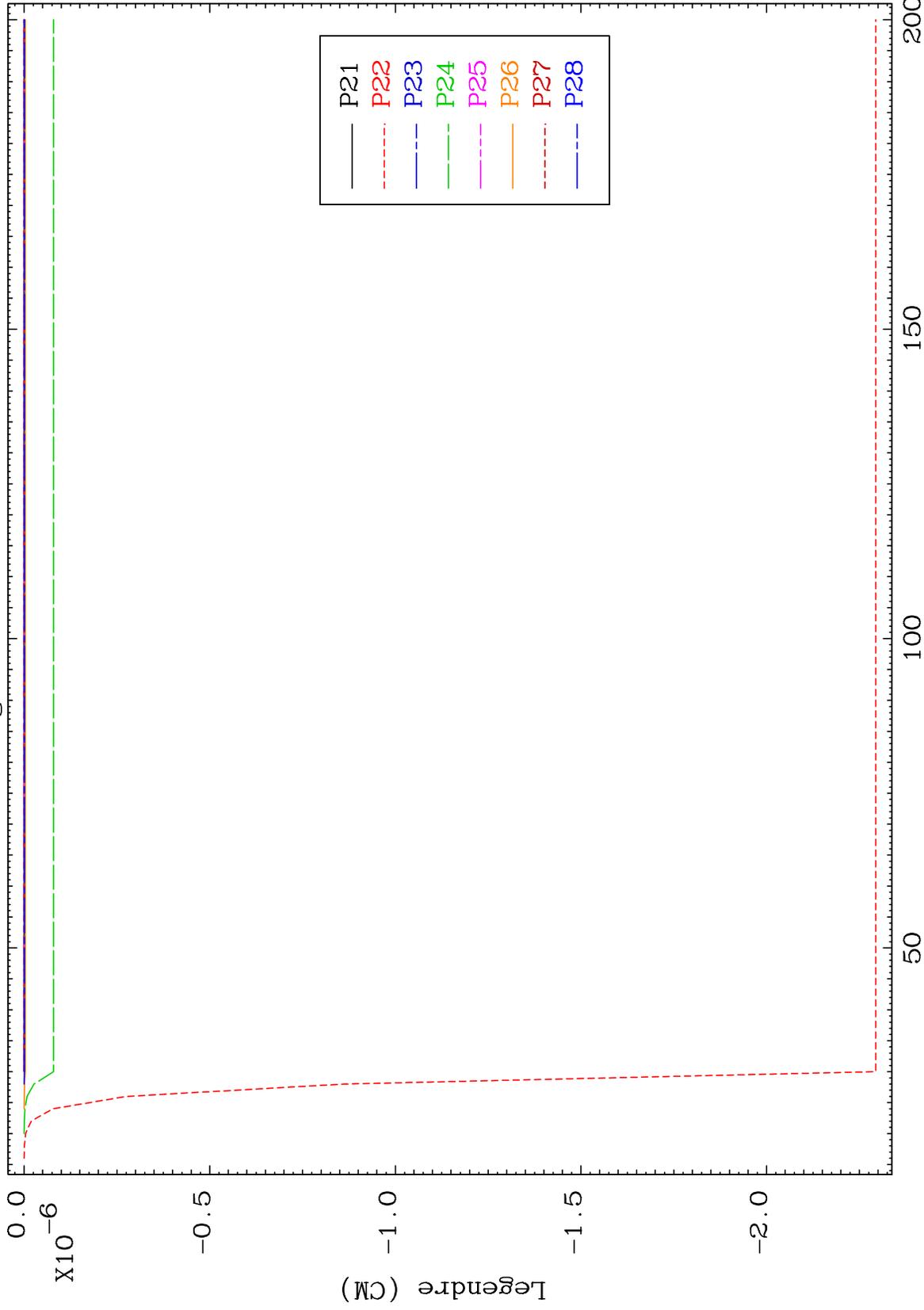
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210

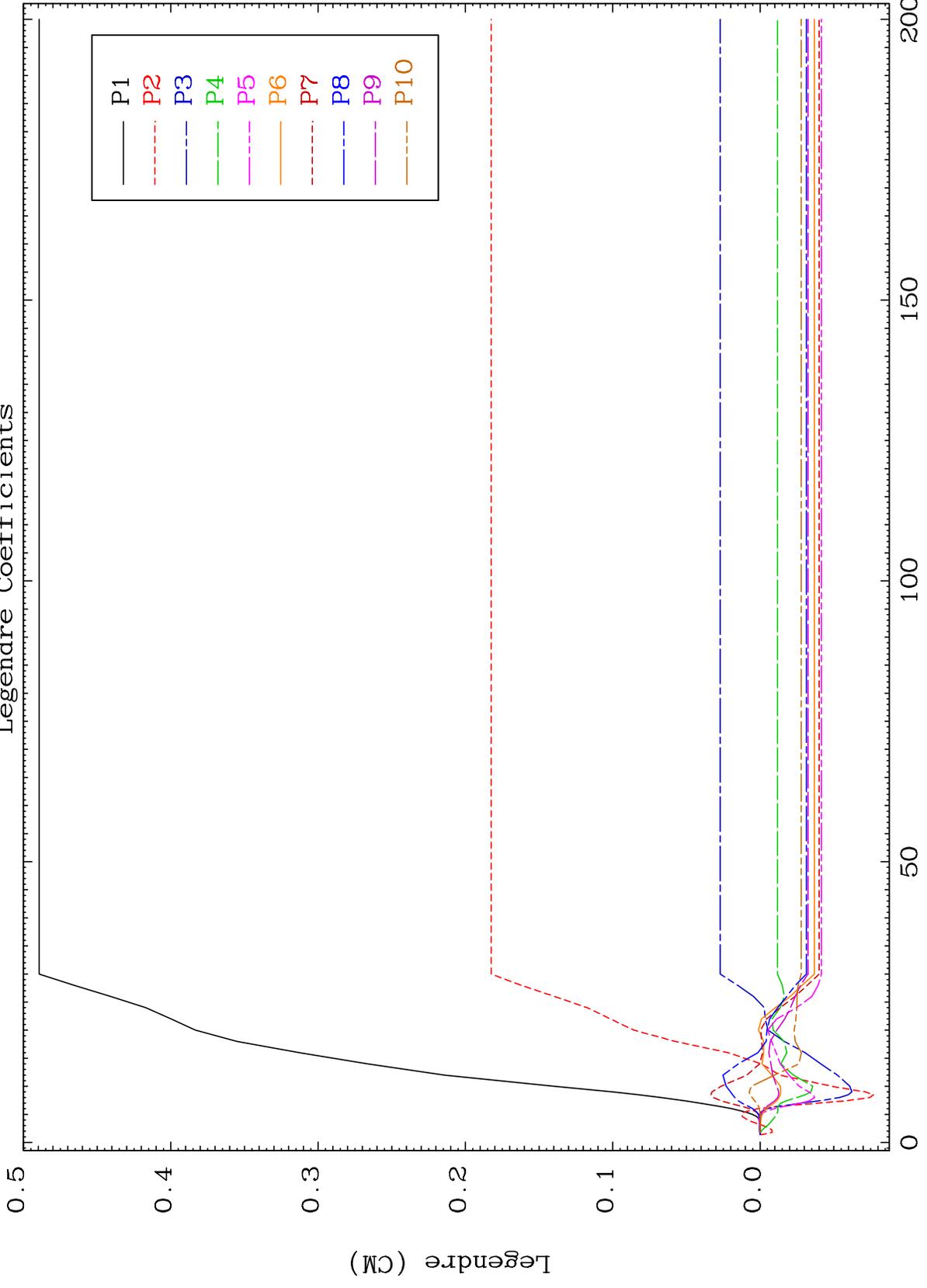


103

Incident Energy (MeV)

83-Bi-210

MAT 8328 MT= 76 (n,n') Level Legendre Coefficients 83-Bi-210

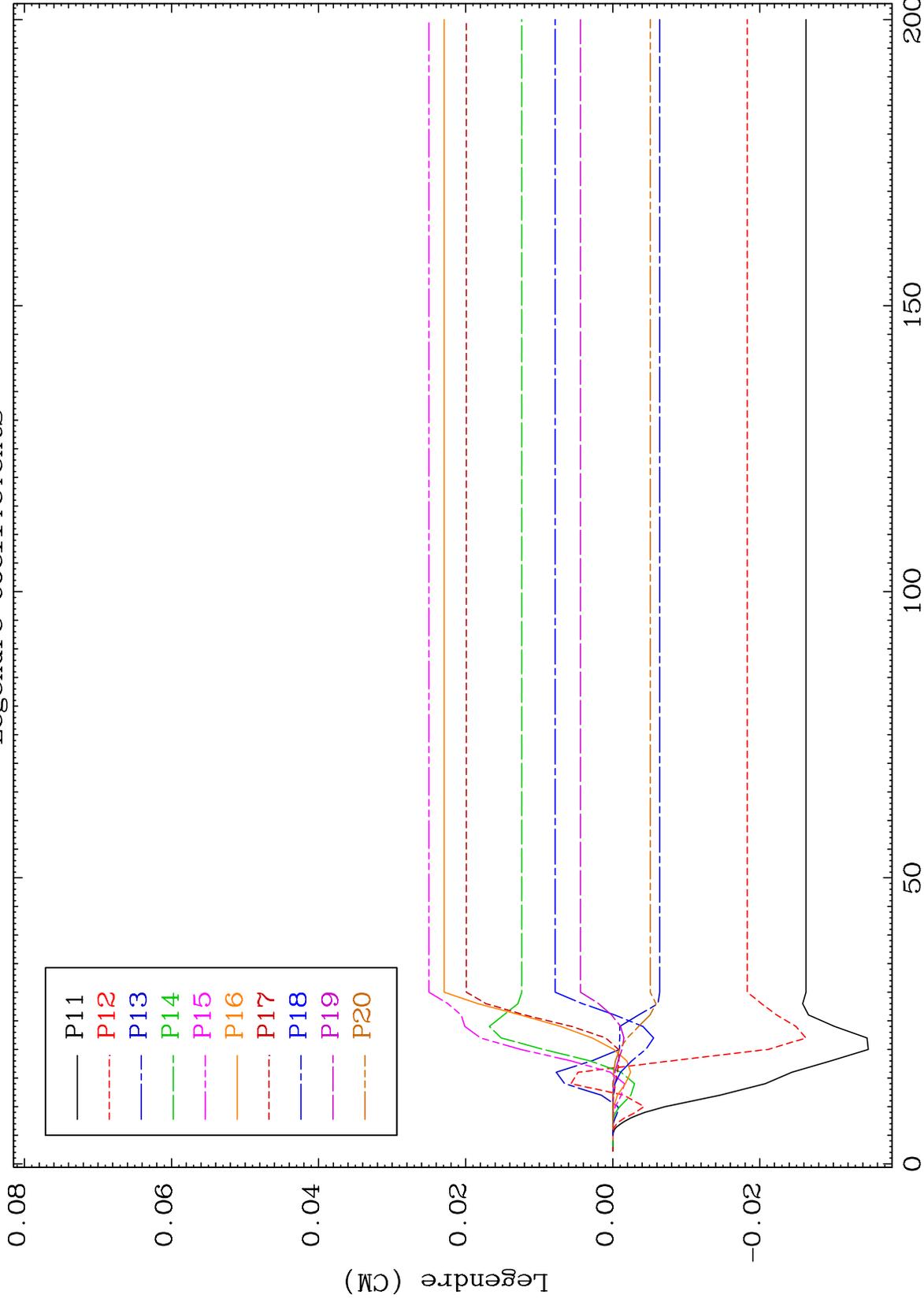


104 83-Bi-210

MAT 8328

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

83-Bi-210



105

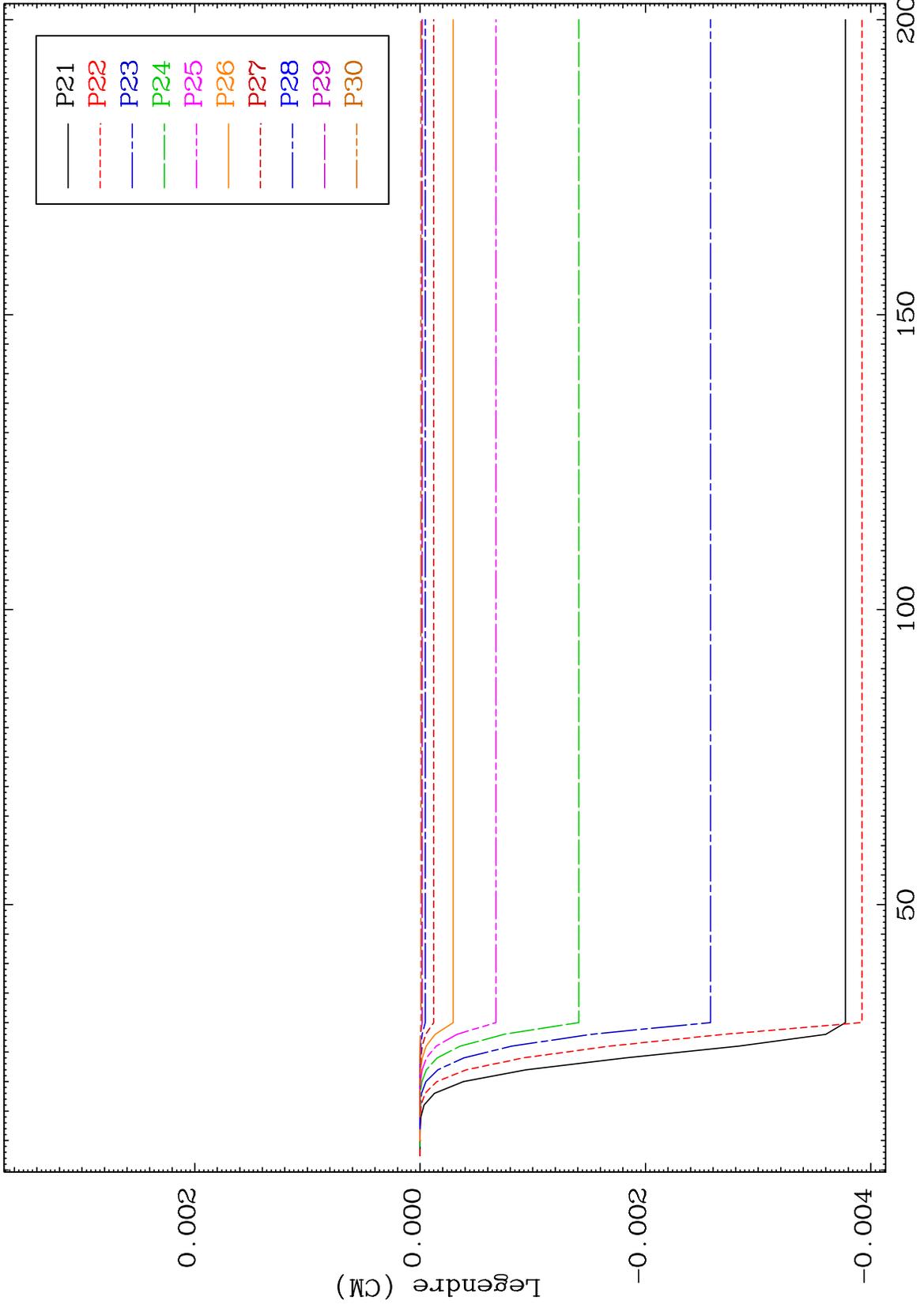
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



106

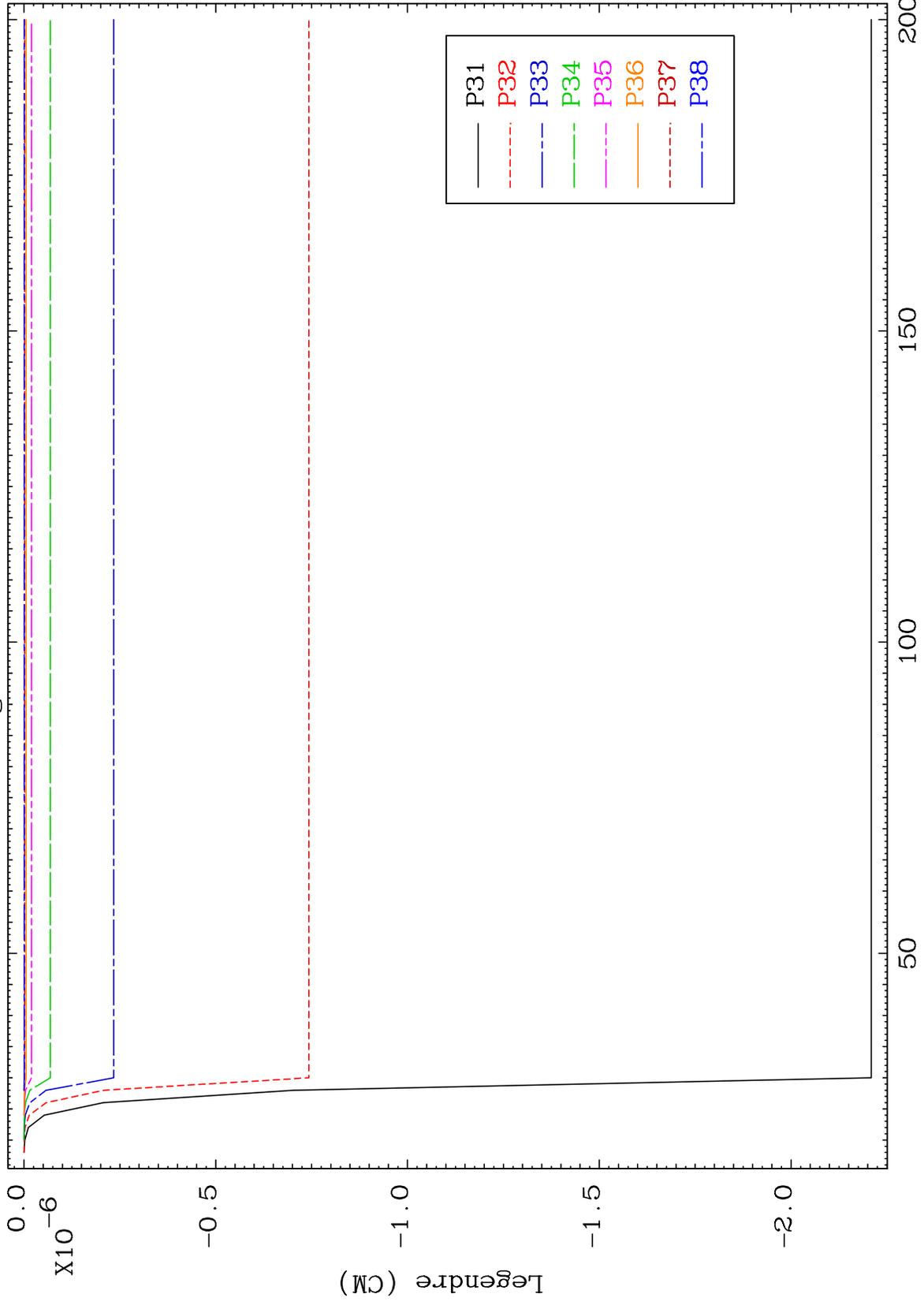
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



83-Bi-210

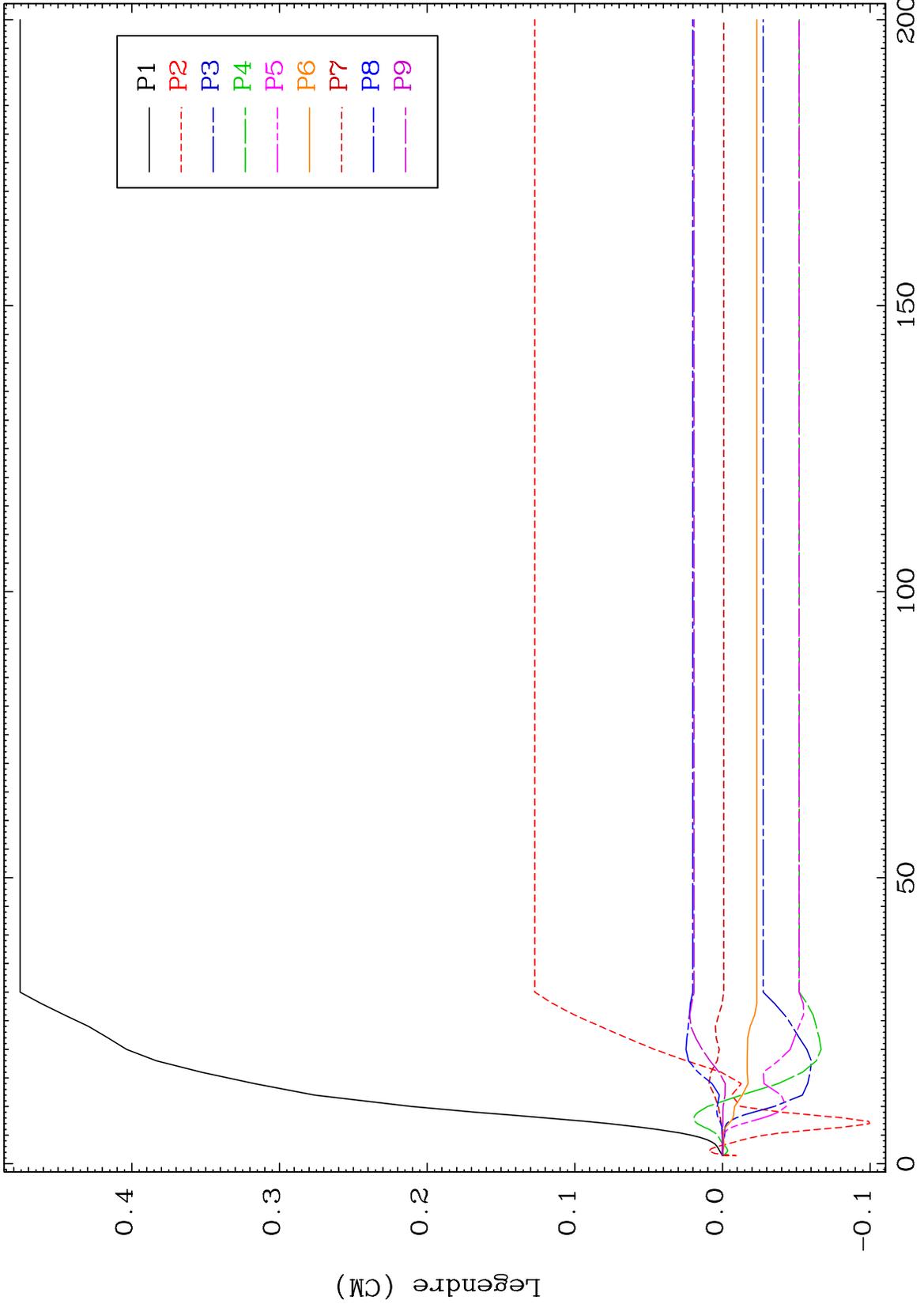
Incident Energy (MeV)

107

MAT 8328

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

83-Bi-210



108

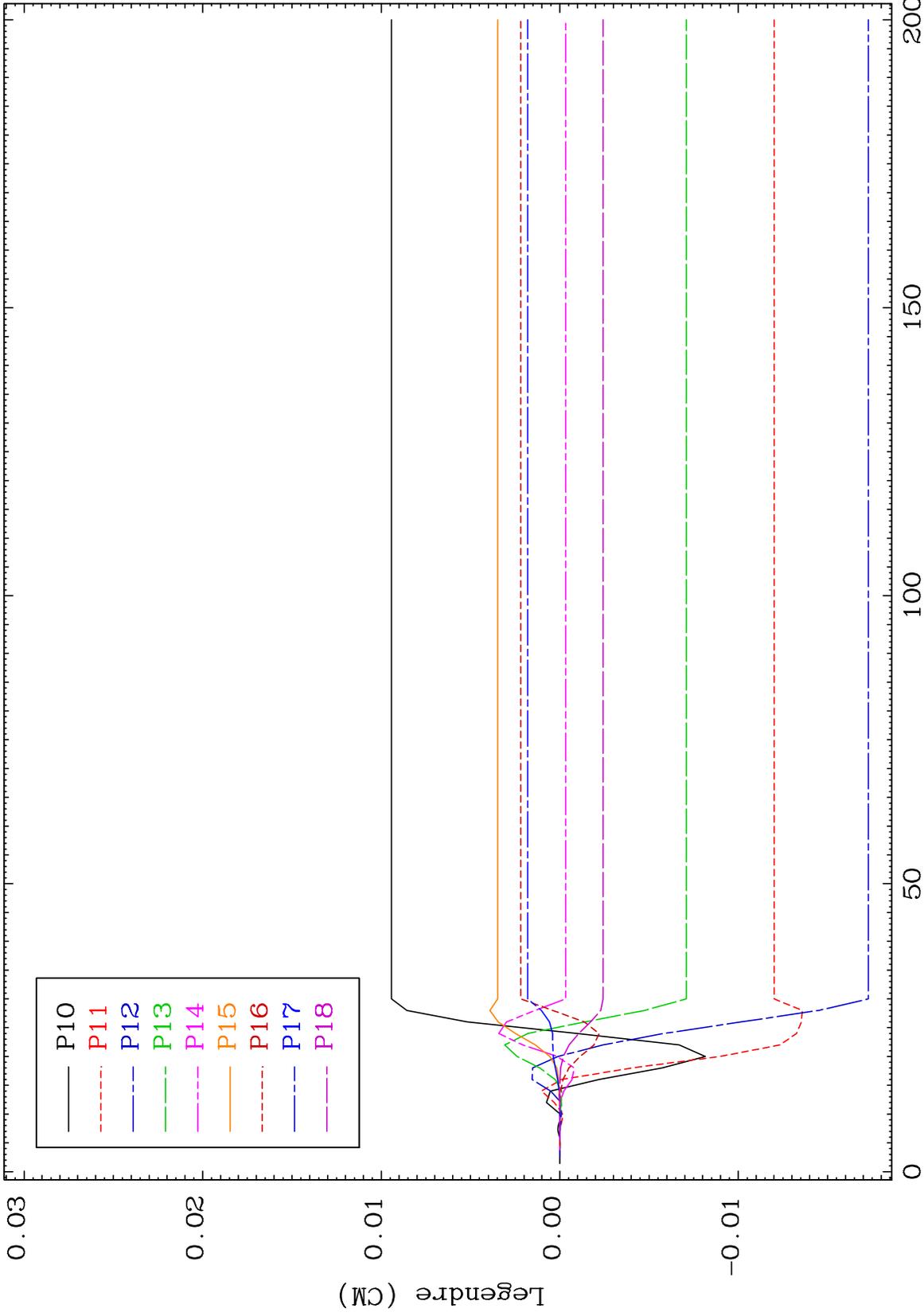
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



109

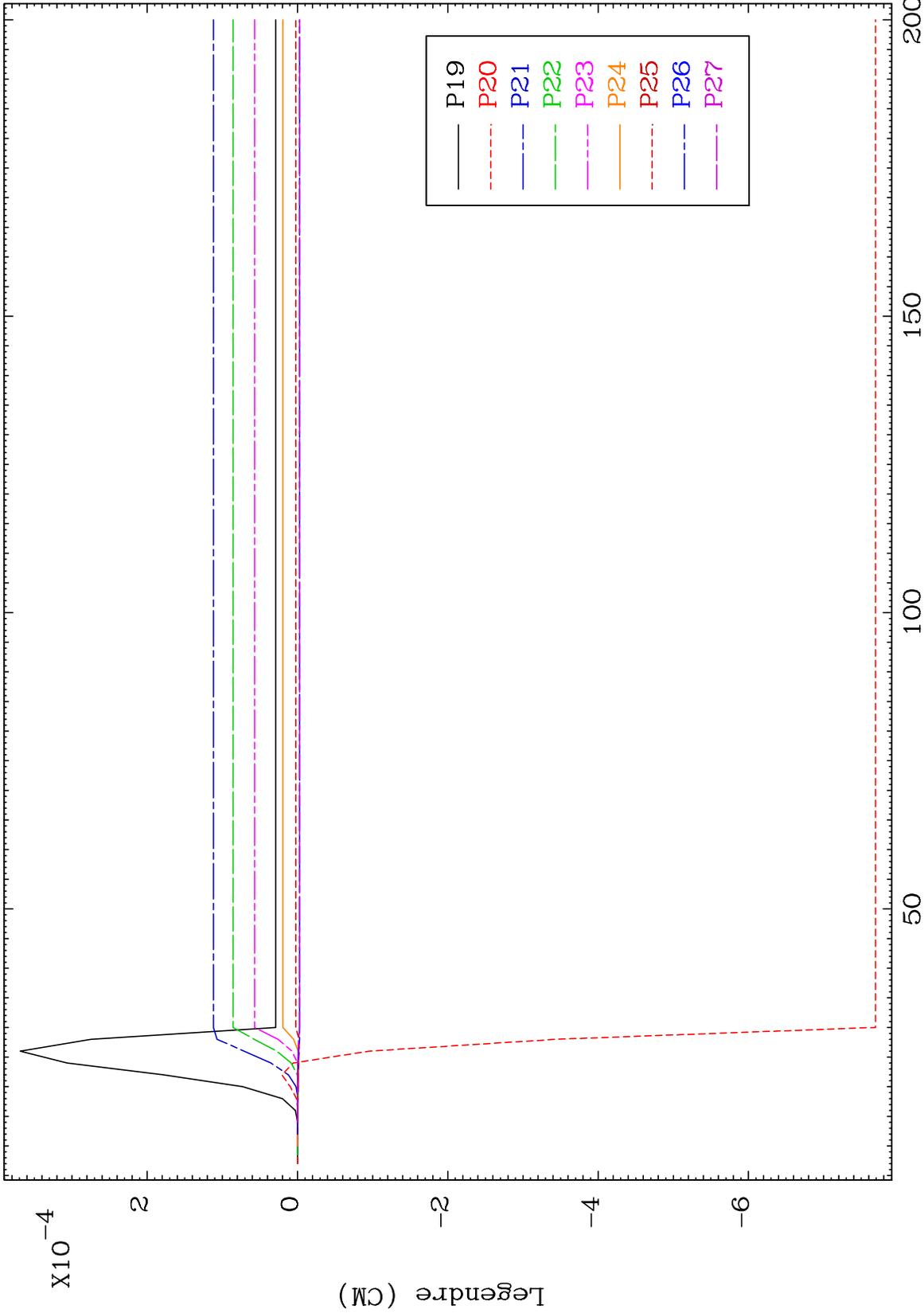
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



110

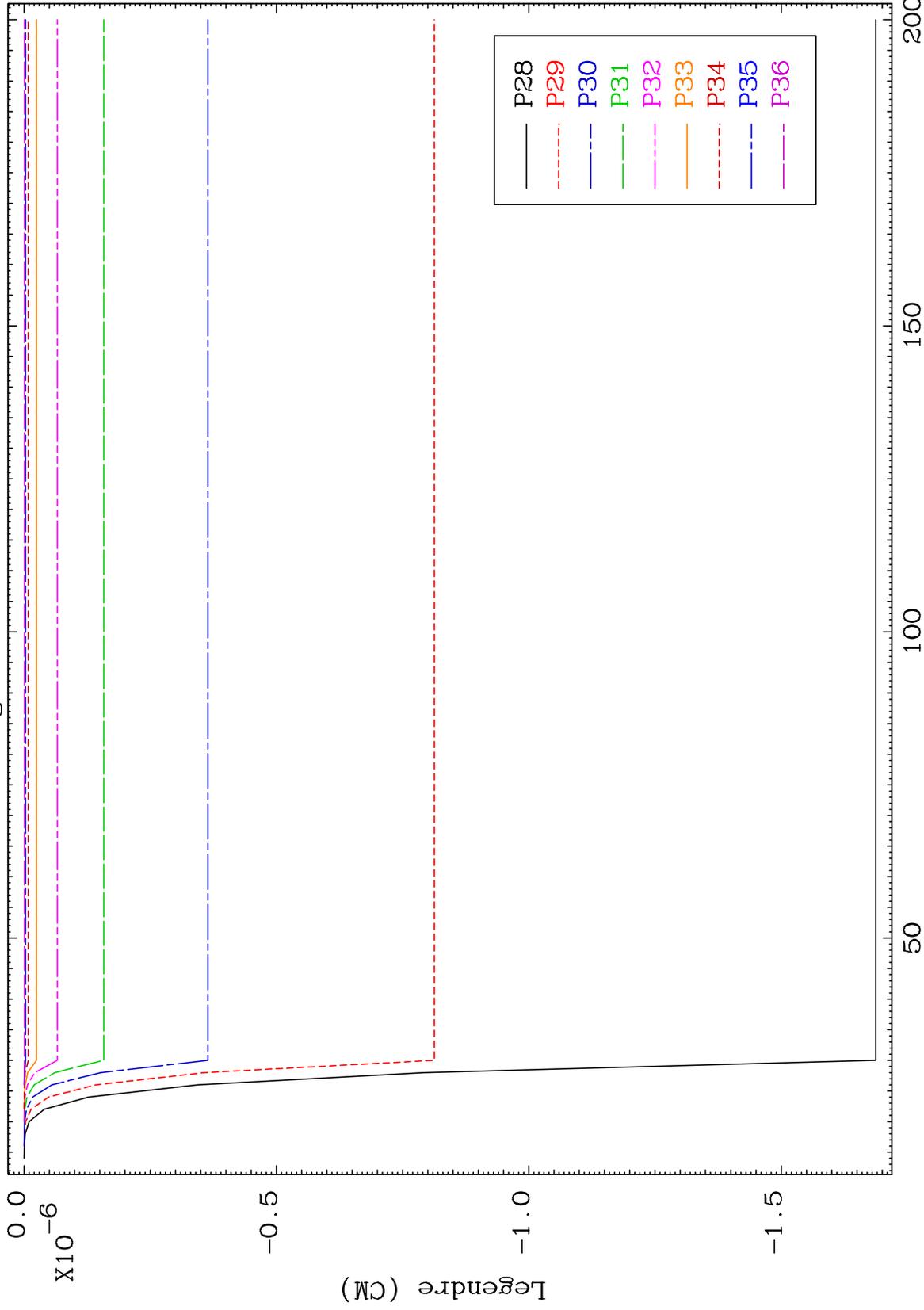
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



83-Bi-210

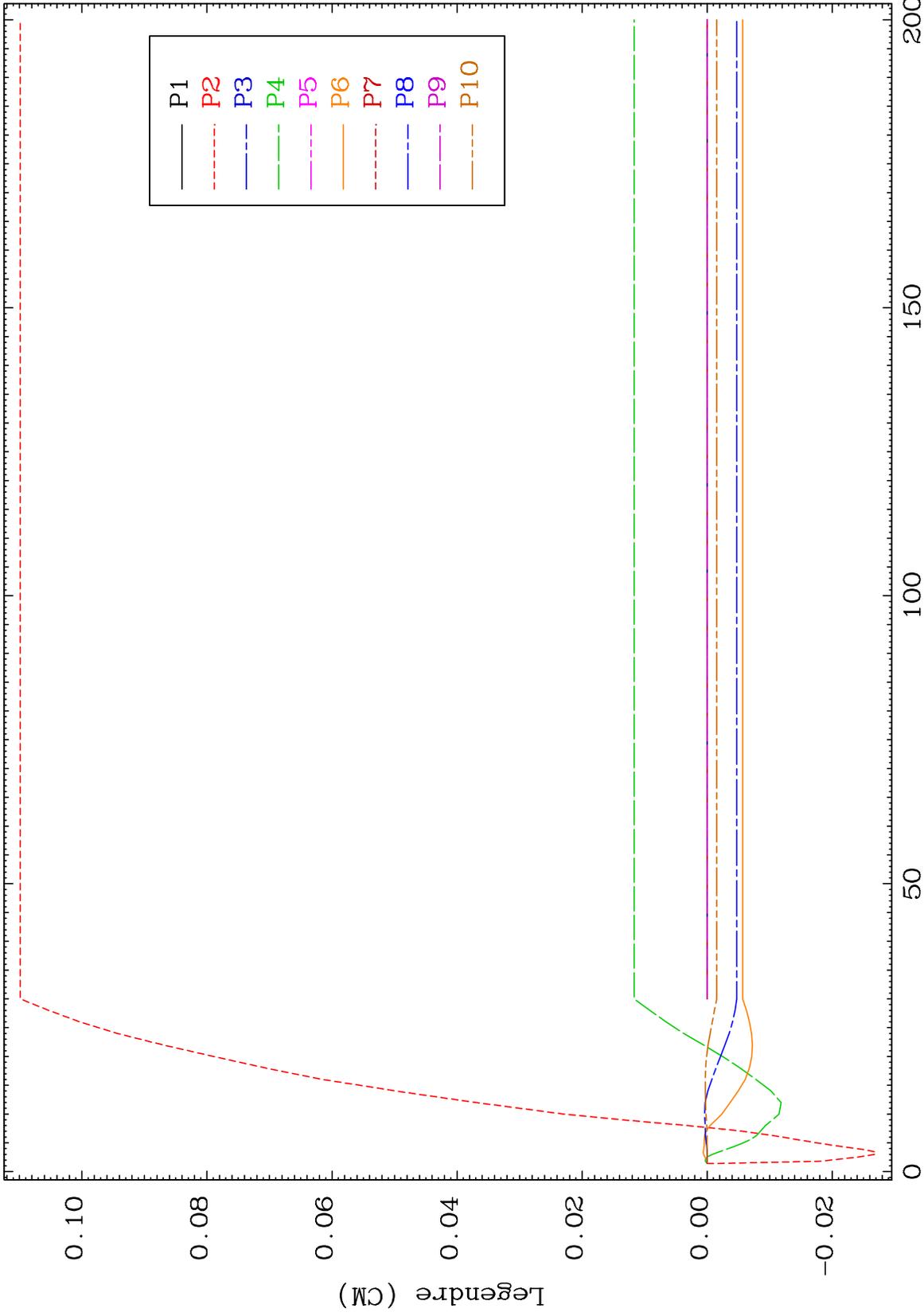
Incident Energy (MeV)

111

MAT 8328

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

83-Bi-210



112

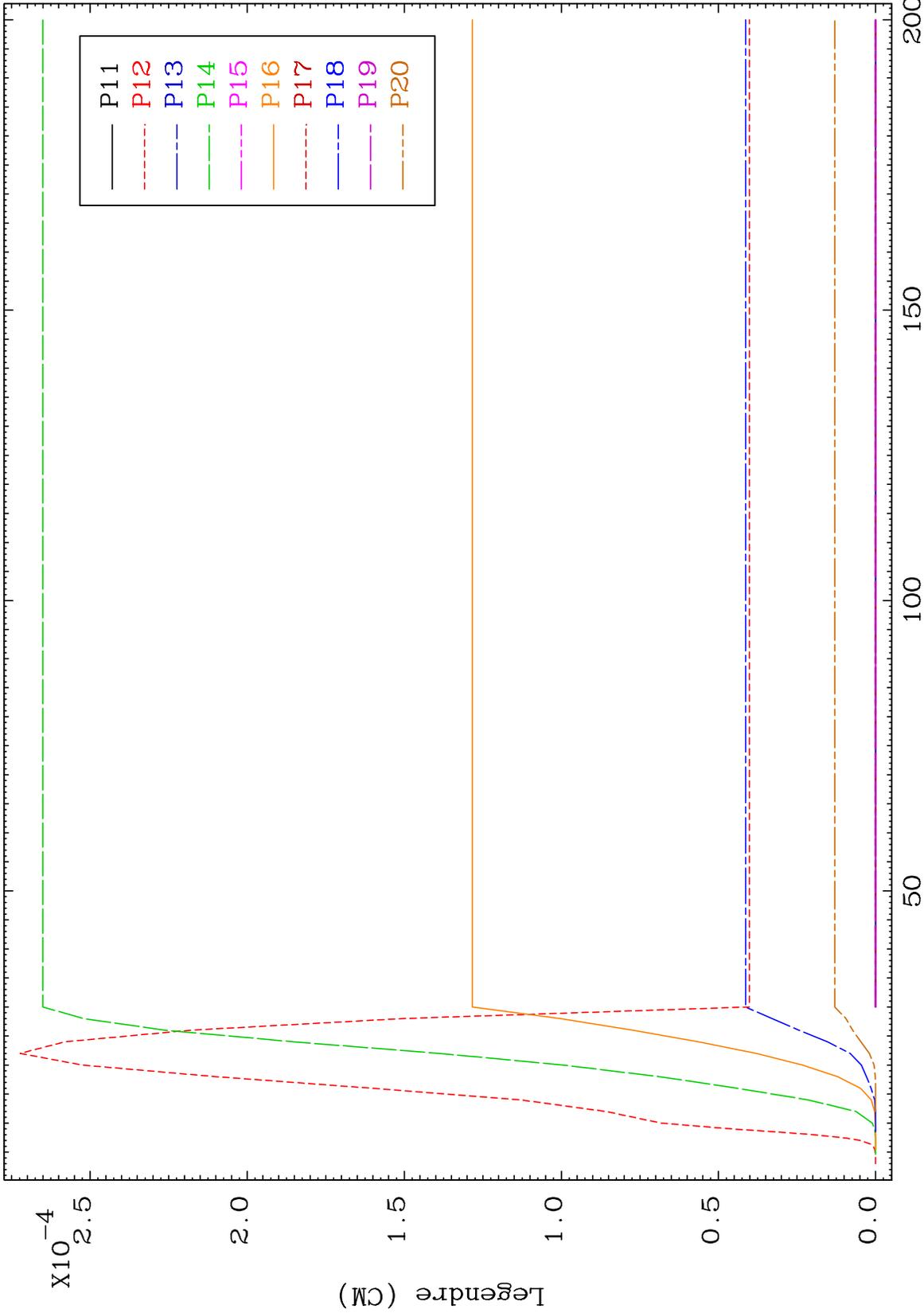
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210

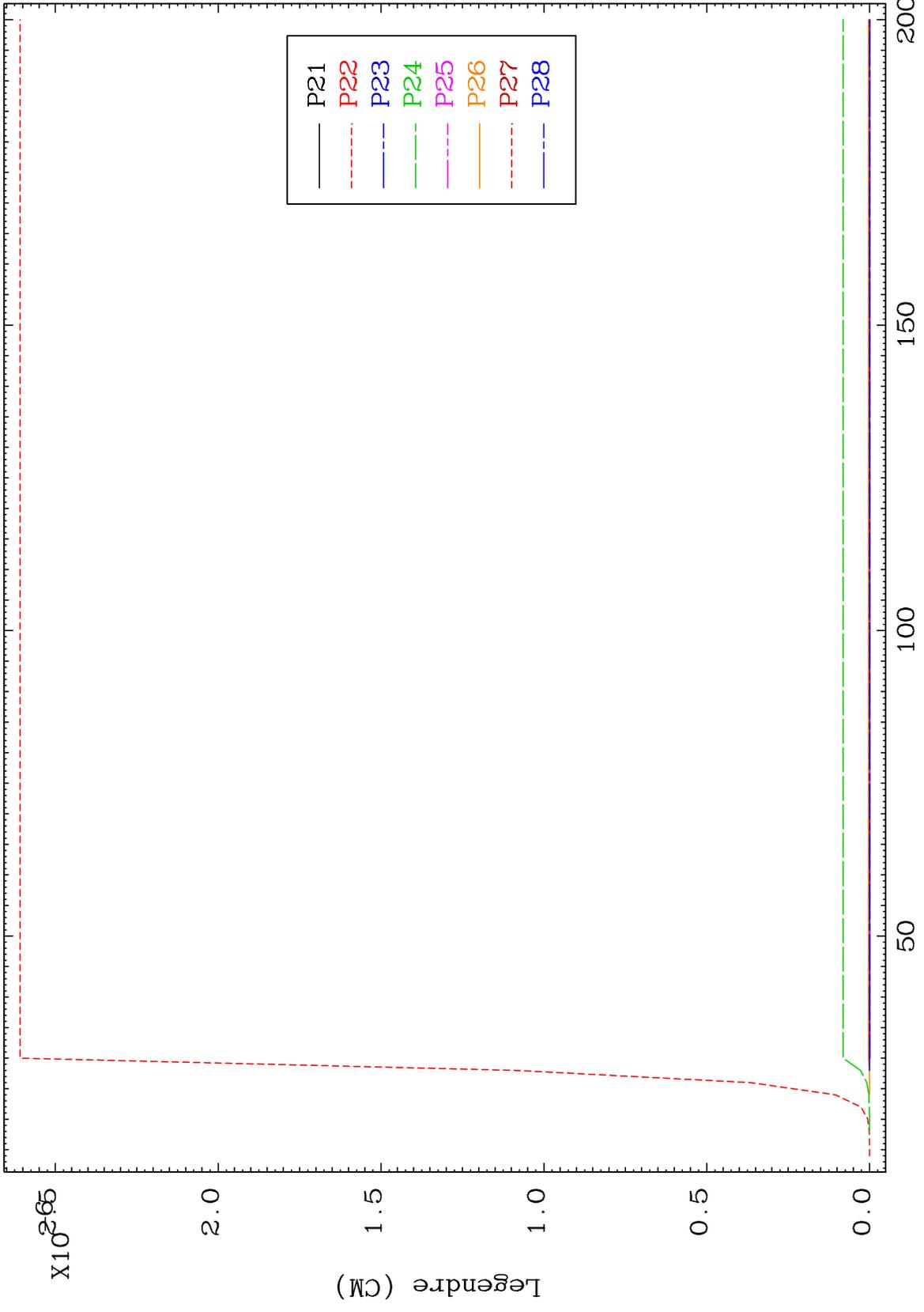


113

Incident Energy (MeV)

83-Bi-210

MAT 8328 MT= 78 (n,n') Level Legendre Coefficients 83-Bi-210

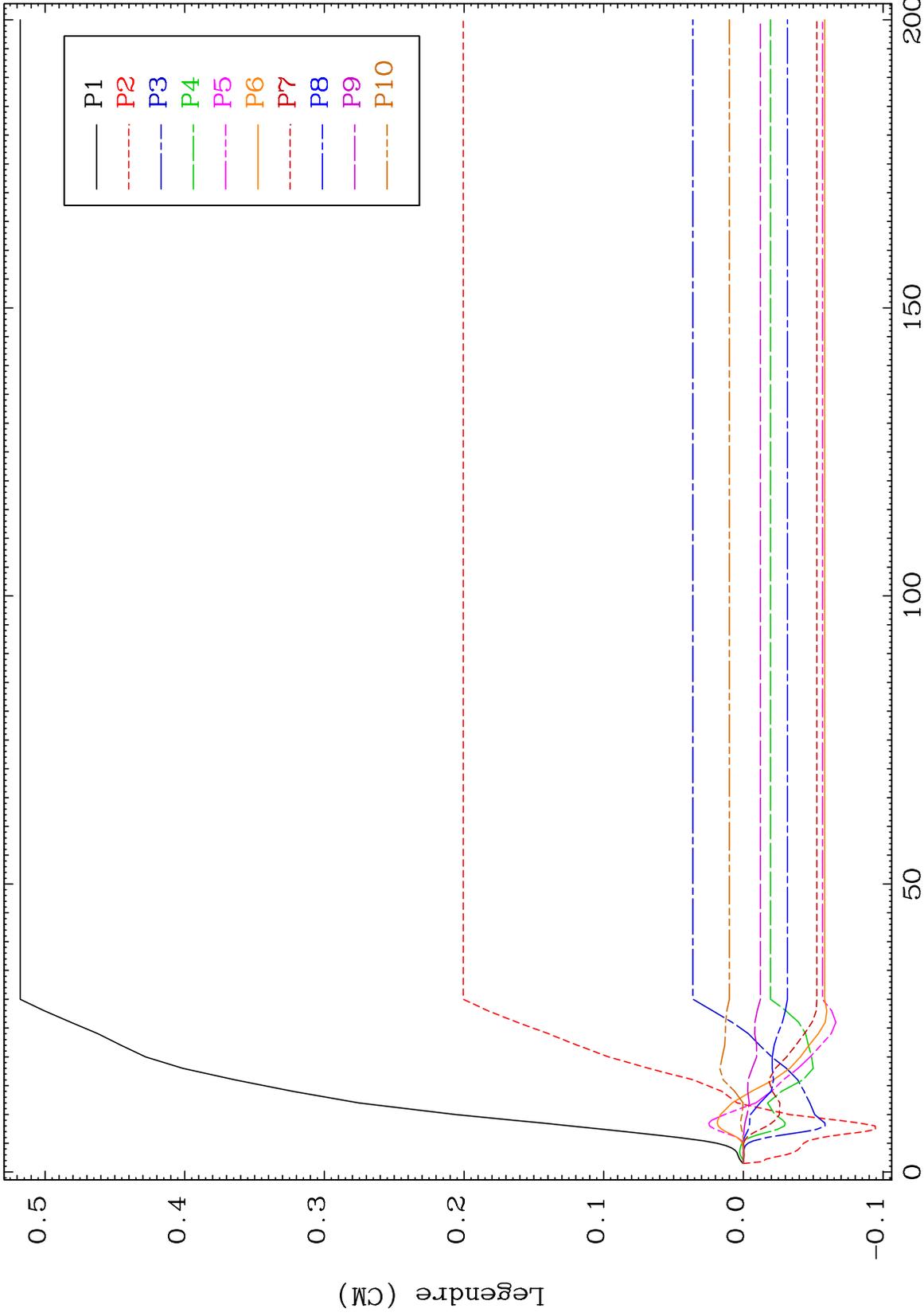


114 83-Bi-210

MAT 8328

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

83-Bi-210



115

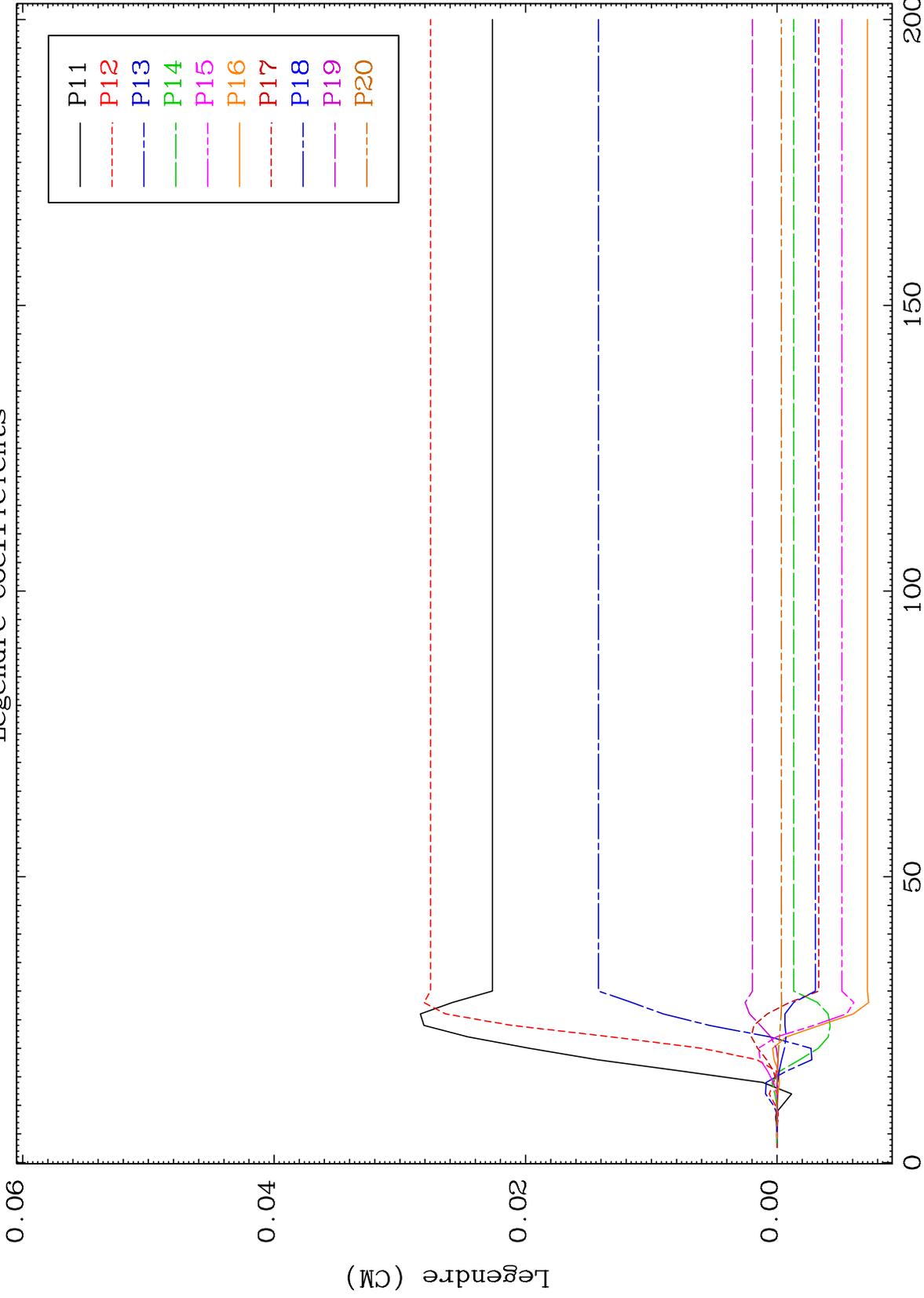
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210



116

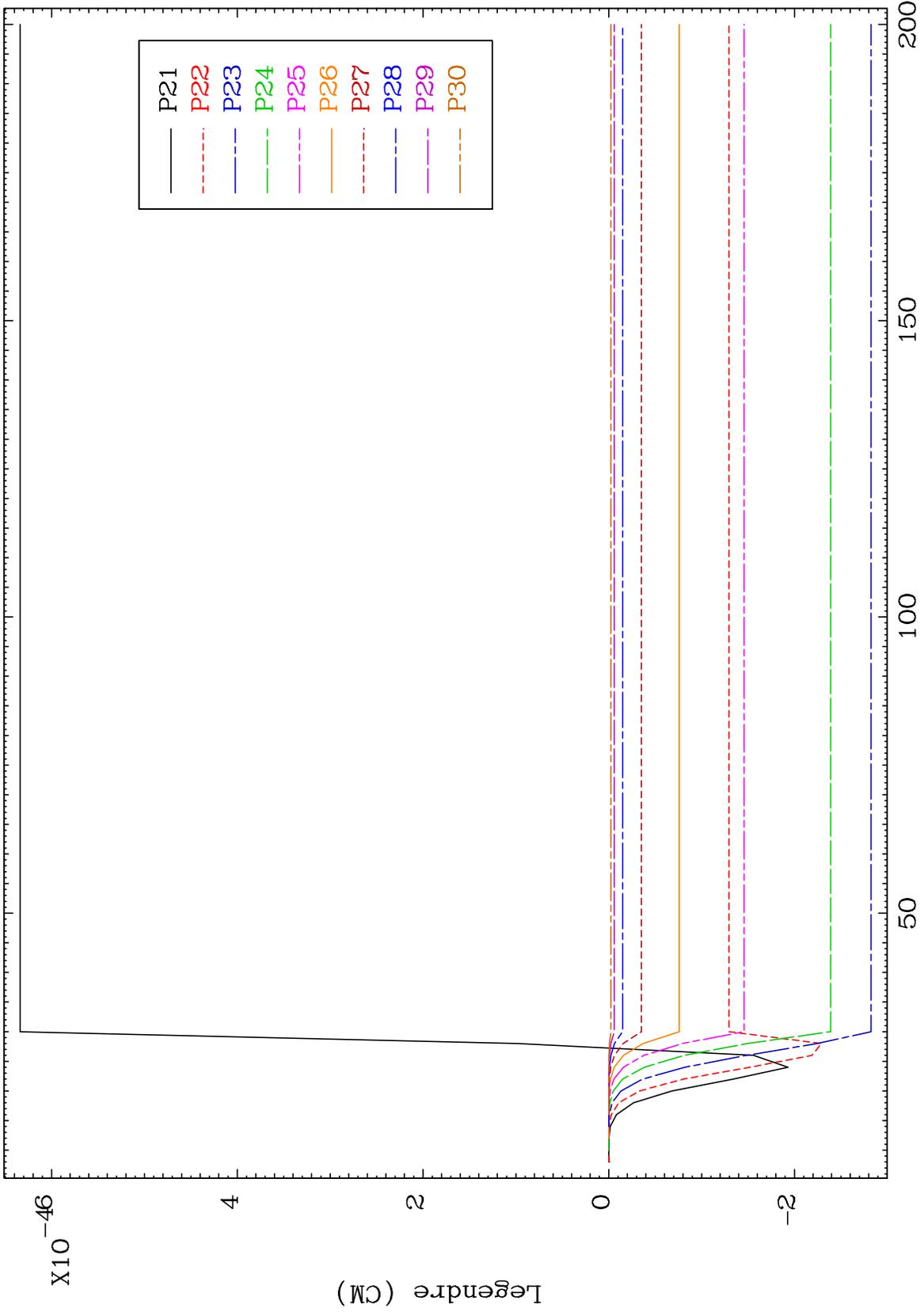
Incident Energy (MeV)

83-Bi-210

MAT 8328

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

83-Bi-210

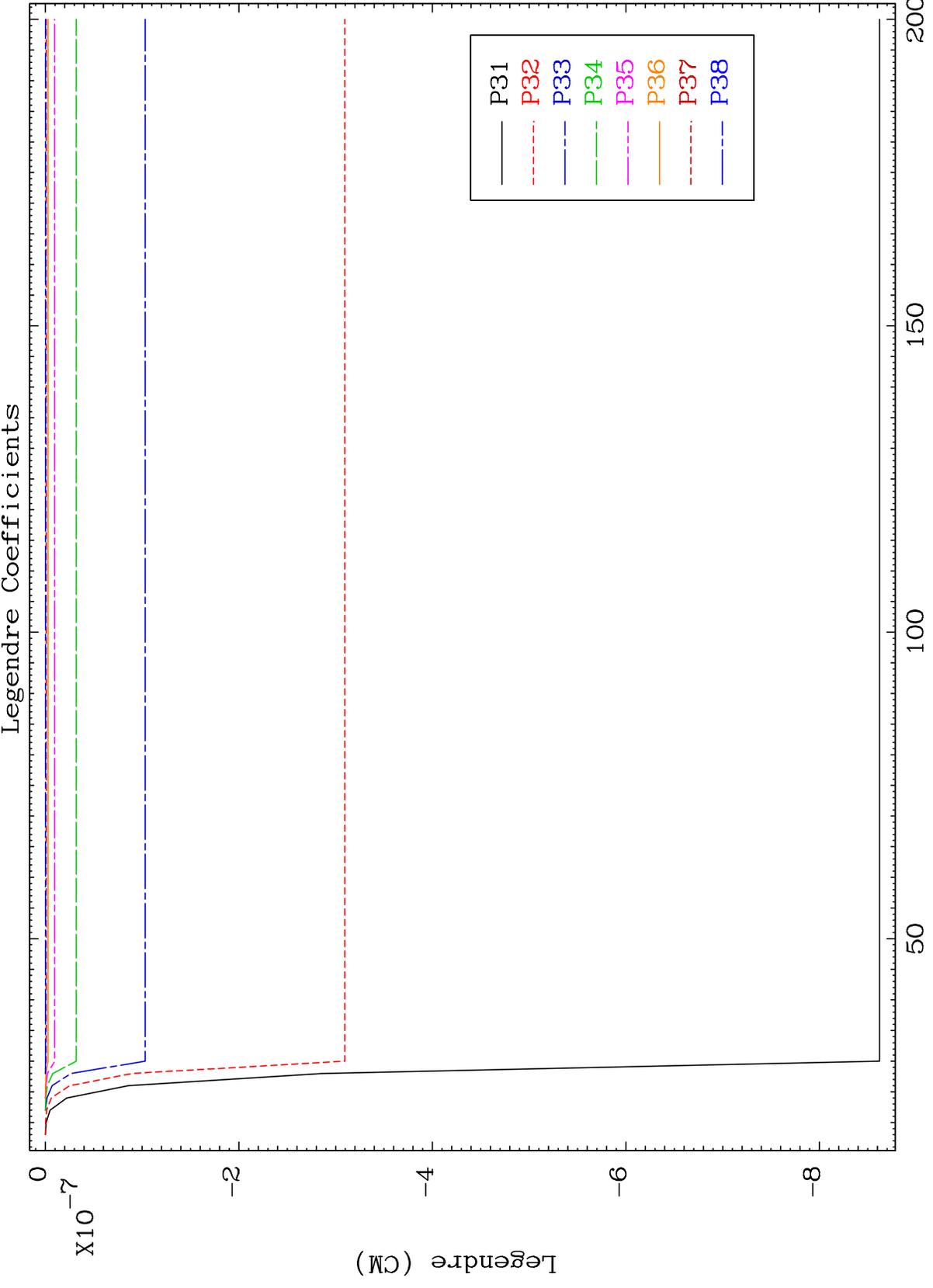


117

Incident Energy (MeV)

83-Bi-210

MAT 8328 MT= 79 (n,n') Level Legendre Coefficients 83-Bi-210

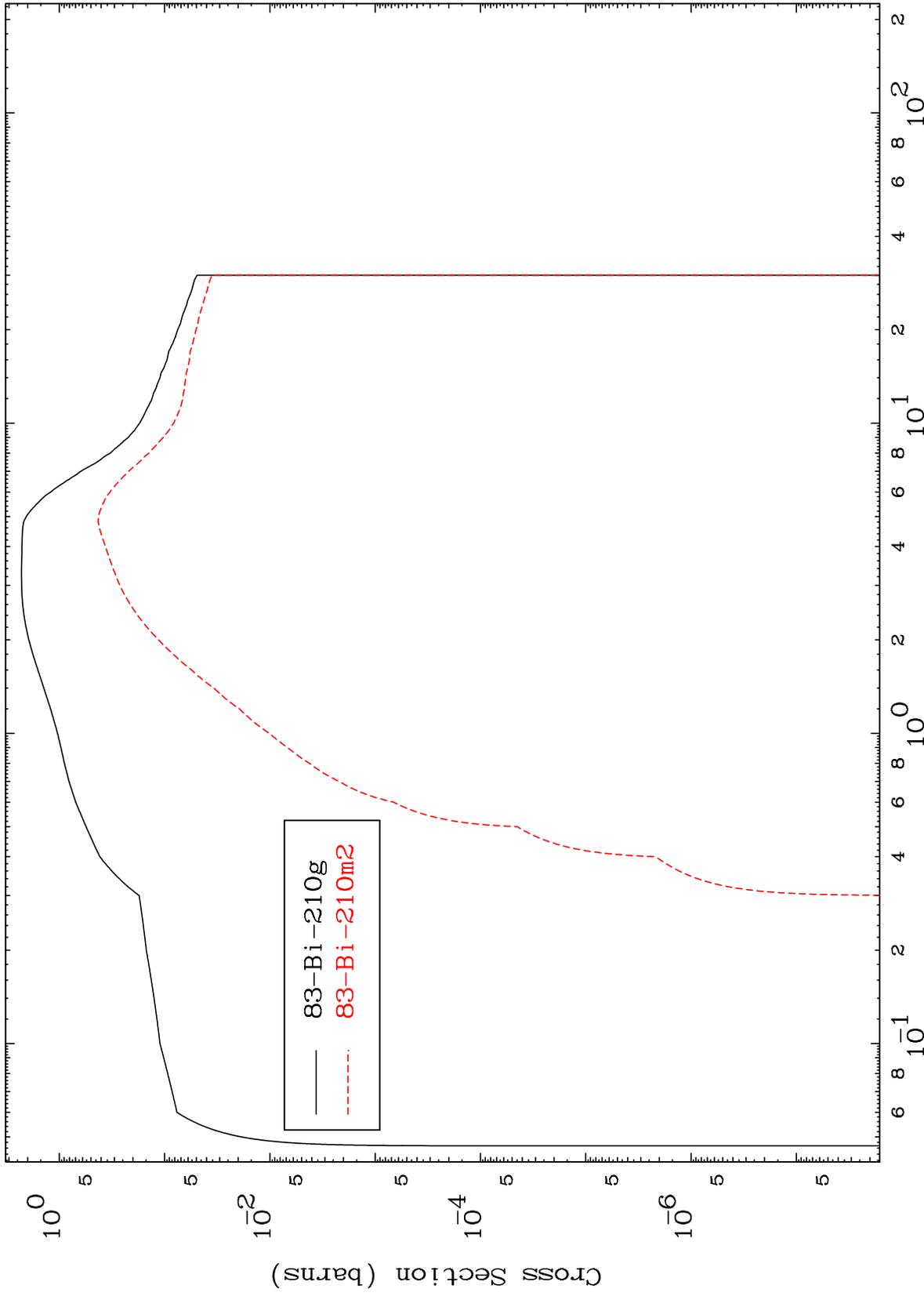


118 83-Bi-210

MAT 8328

83-Bi-210

### Inelastic Radionuclide Production Cross Section



119

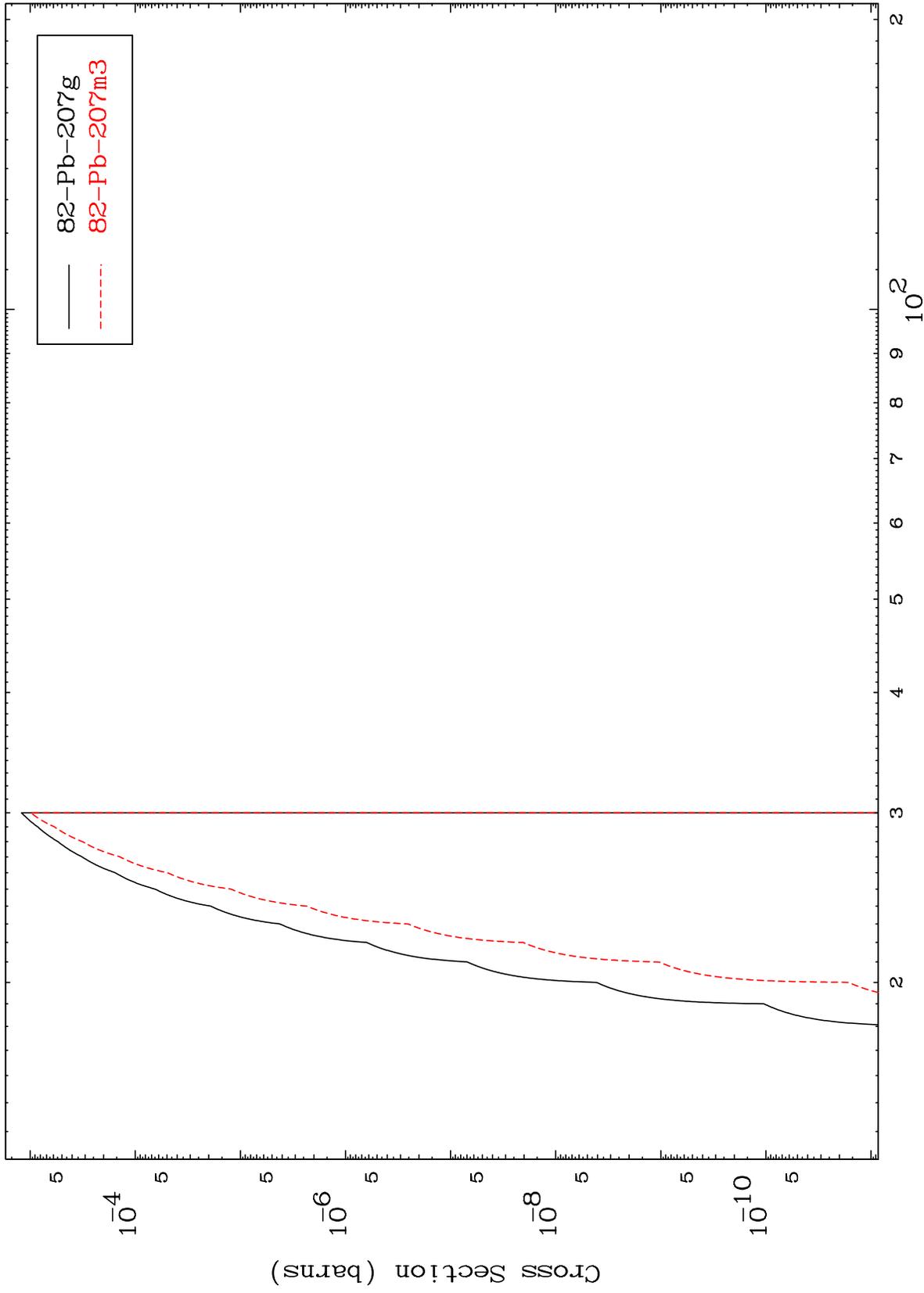
83-Bi-210

MAT 8328

(n,2n) d

83-Bi-210

Radionuclide Production Cross Section



120

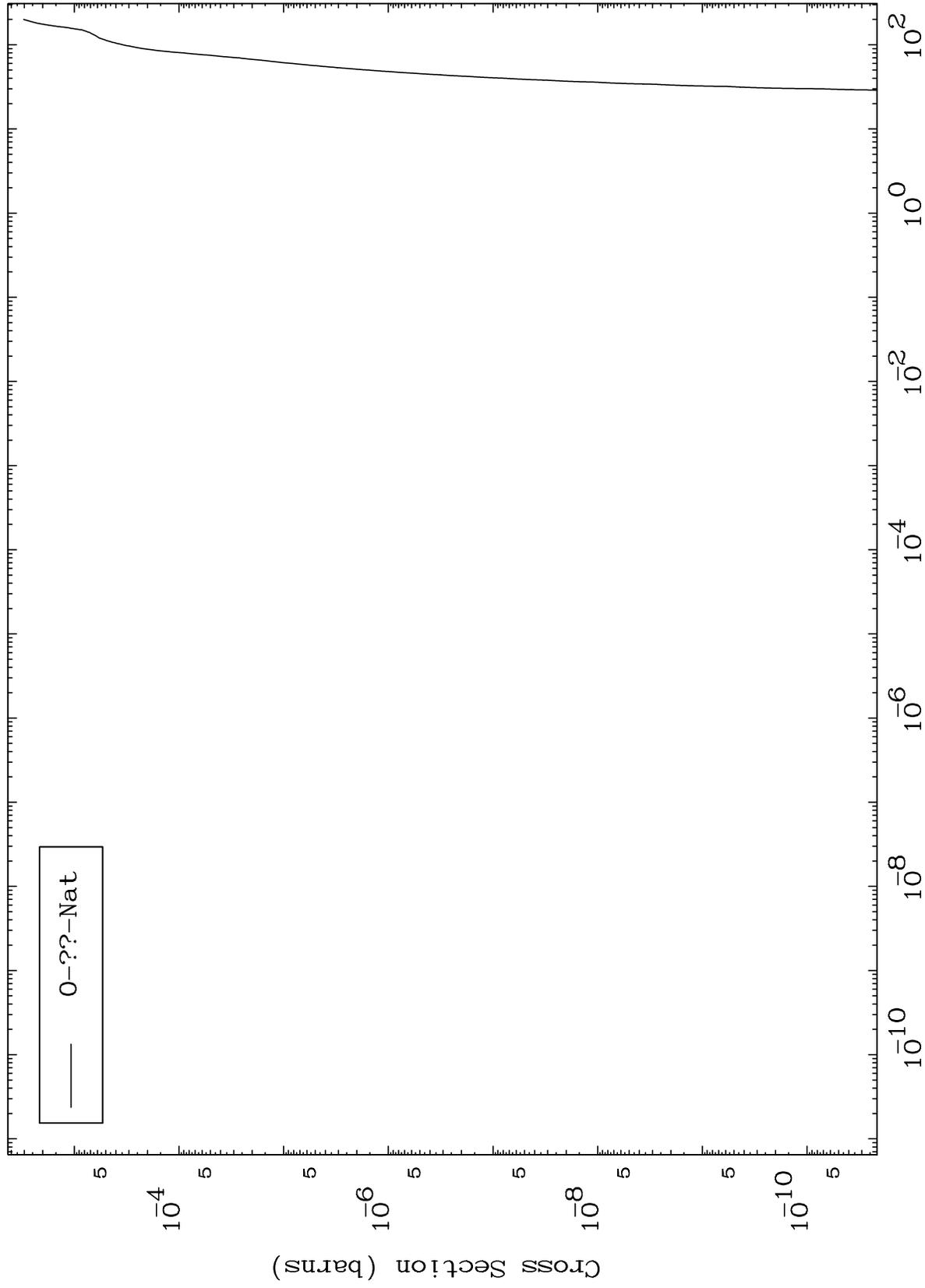
Incident Energy (MeV)

83-Bi-210

MAT 8328

Fission  
Radionuclide Production Cross Section

83-Bi-210



121

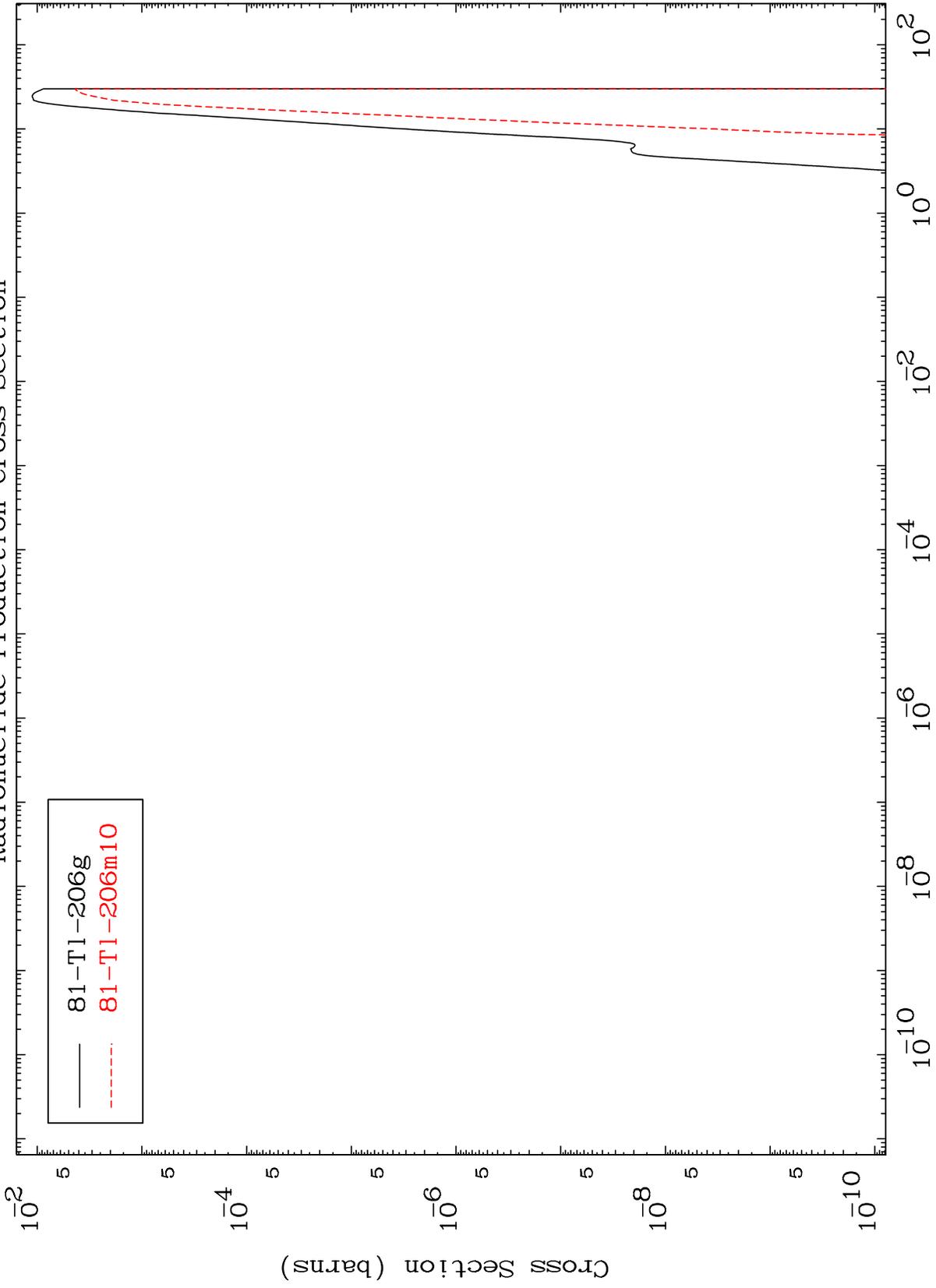
83-Bi-210

MAT 8328

(n,n')  $\alpha$

83-Bi-210

Radionuclide Production Cross Section



122

Incident Energy (MeV)

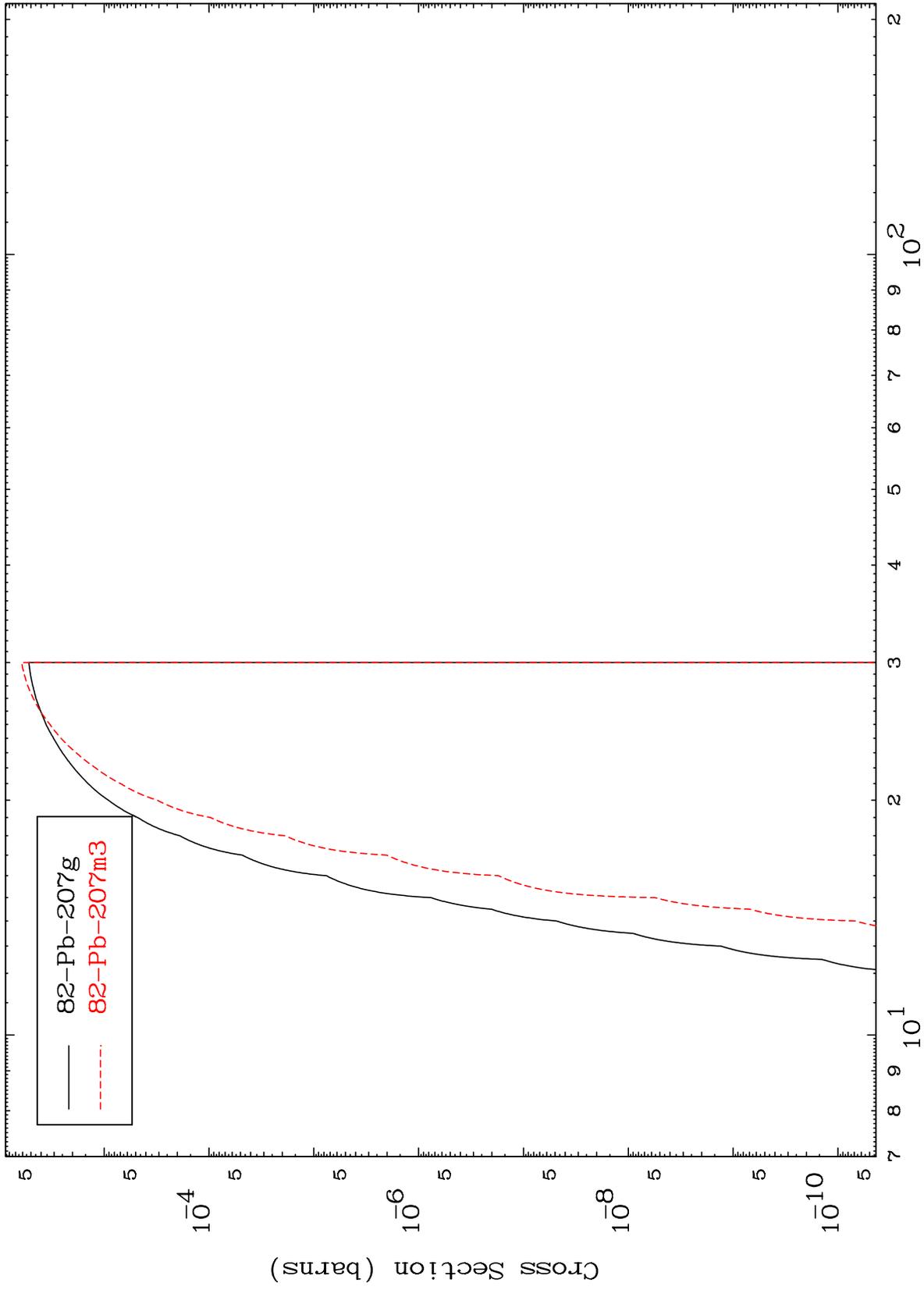
83-Bi-210

MAT 8328

(n,n') t

83-Bi-210

Radionuclide Production Cross Section



82-Pb-207g  
82-Pb-207m3

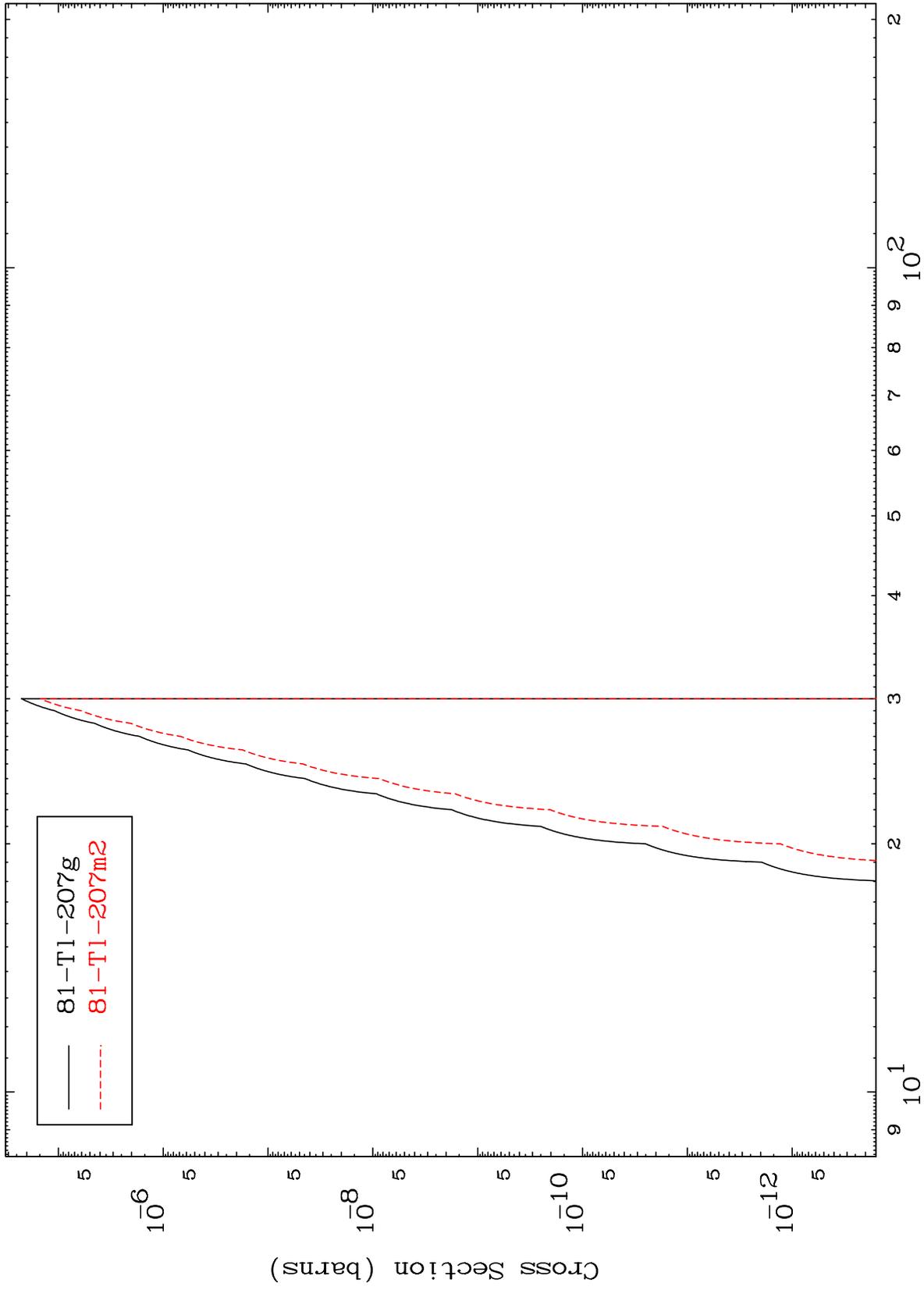
123

MAT 8328

(n, n') He-3

83-Bi-210

Radionuclide Production Cross Section



124

Incident Energy (MeV)

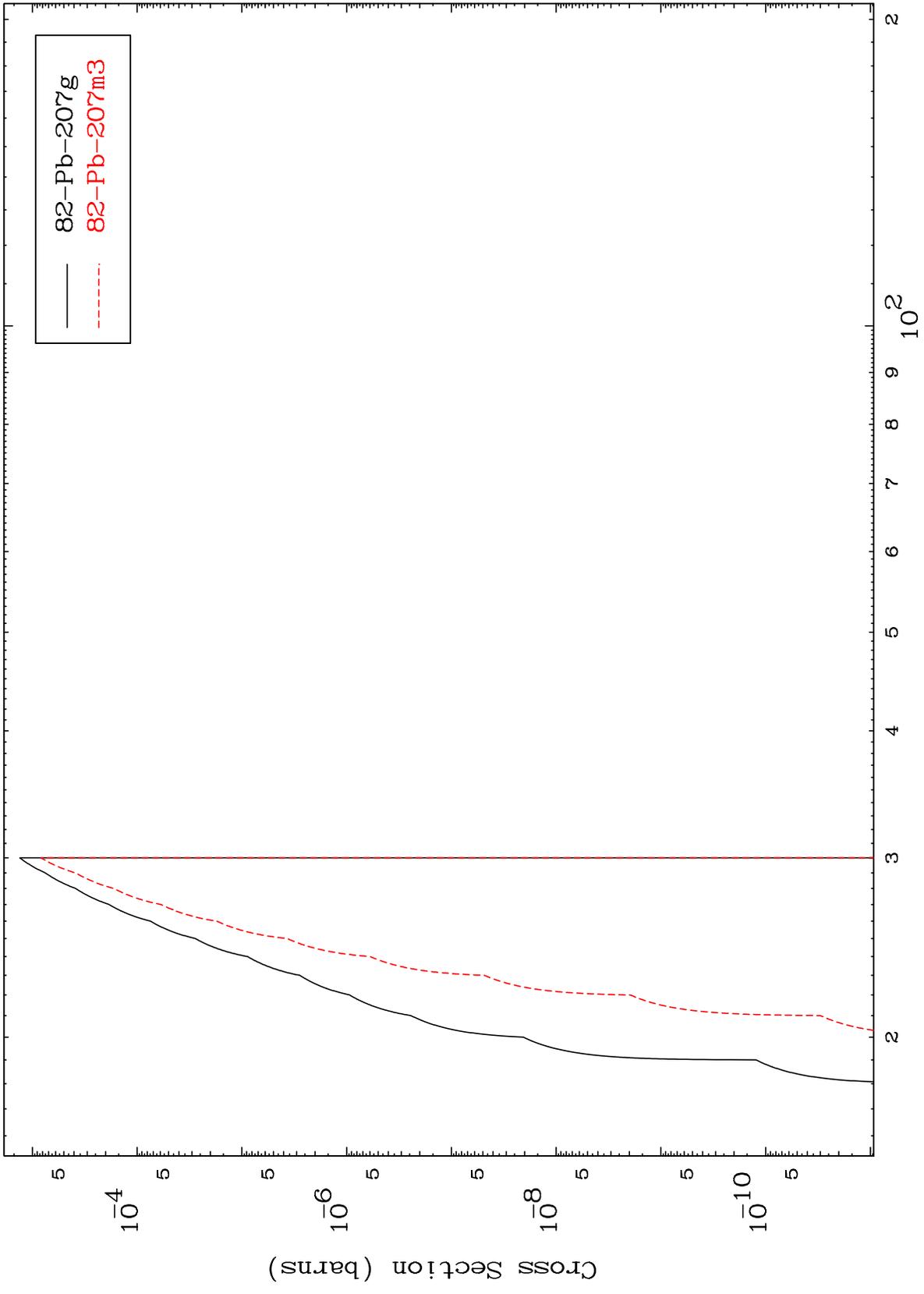
83-Bi-210

MAT 8328

(n,3n) p

83-Bi-210

Radionuclide Production Cross Section



125

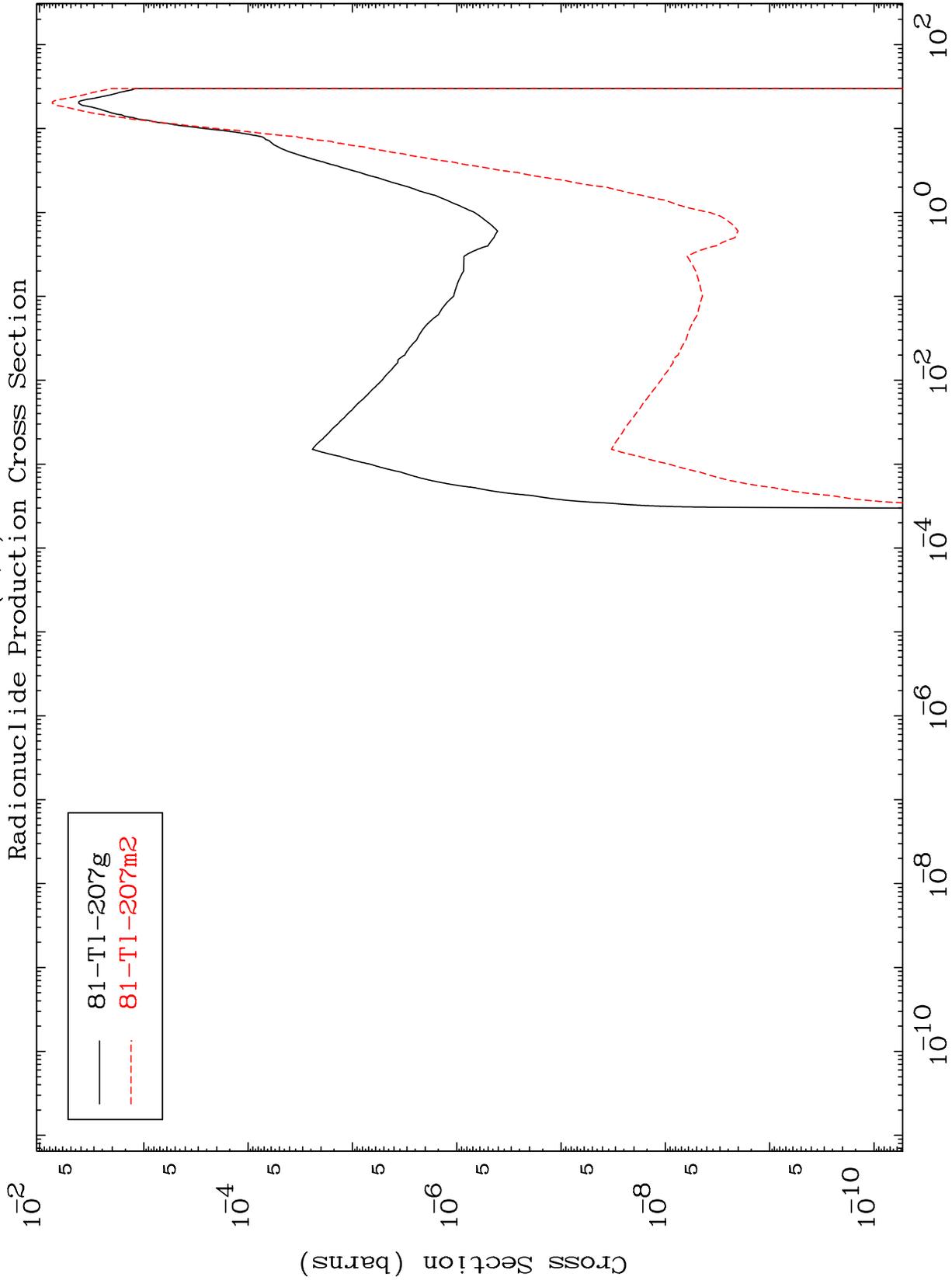
Incident Energy (MeV)

83-Bi-210

MAT 8328

(n,  $\alpha$ )

83-Bi-210



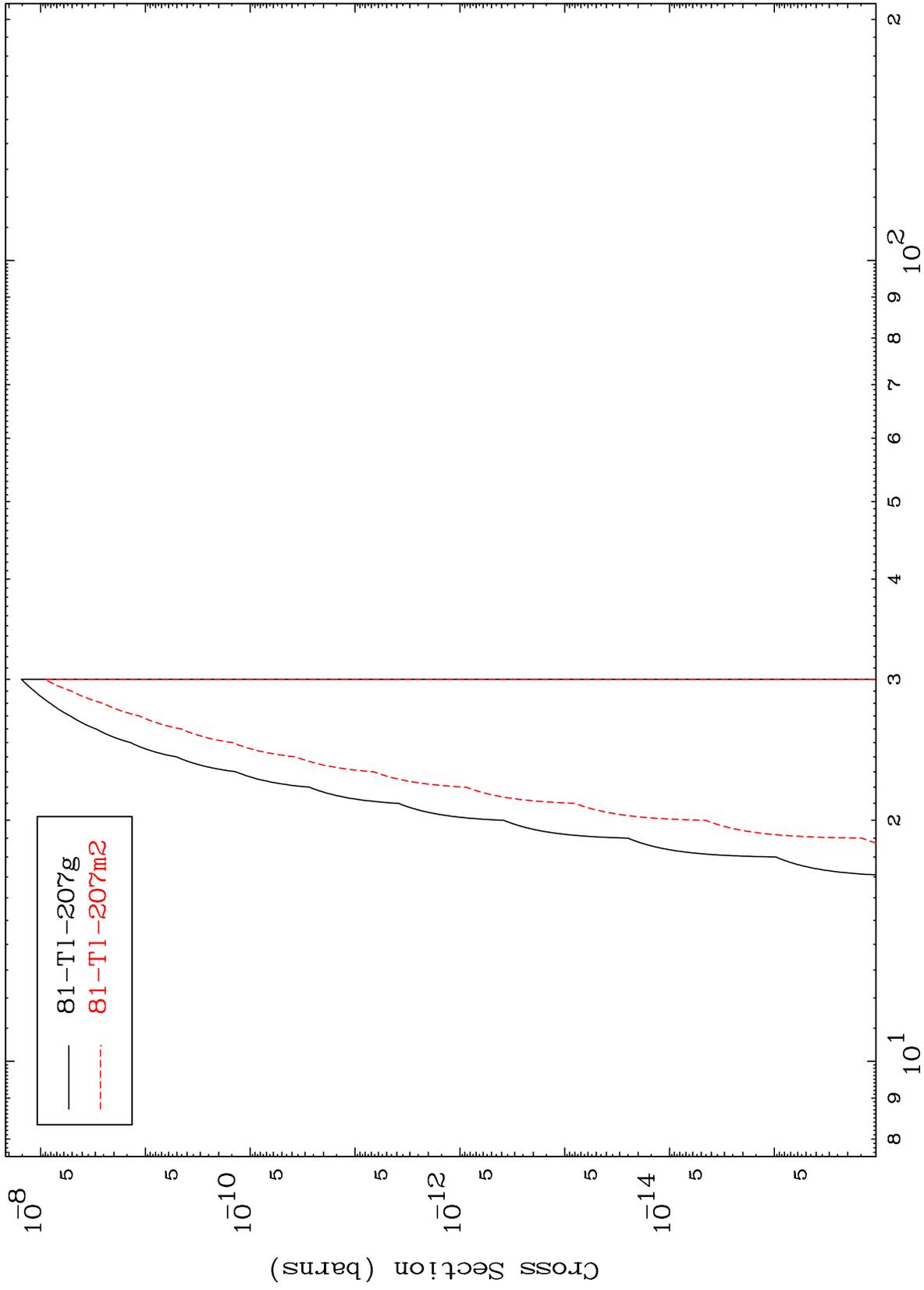
126

MAT 8328

(n,p) t

83-Bi-210

Radionuclide Production Cross Section



127

Incident Energy (MeV)

83-Bi-210