

Program EVALPLOT
(Version 2017-1)

by

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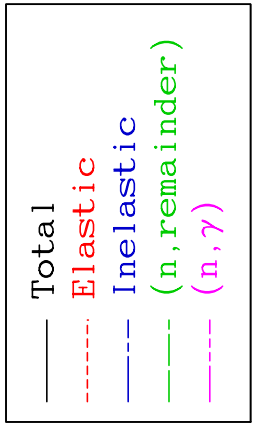
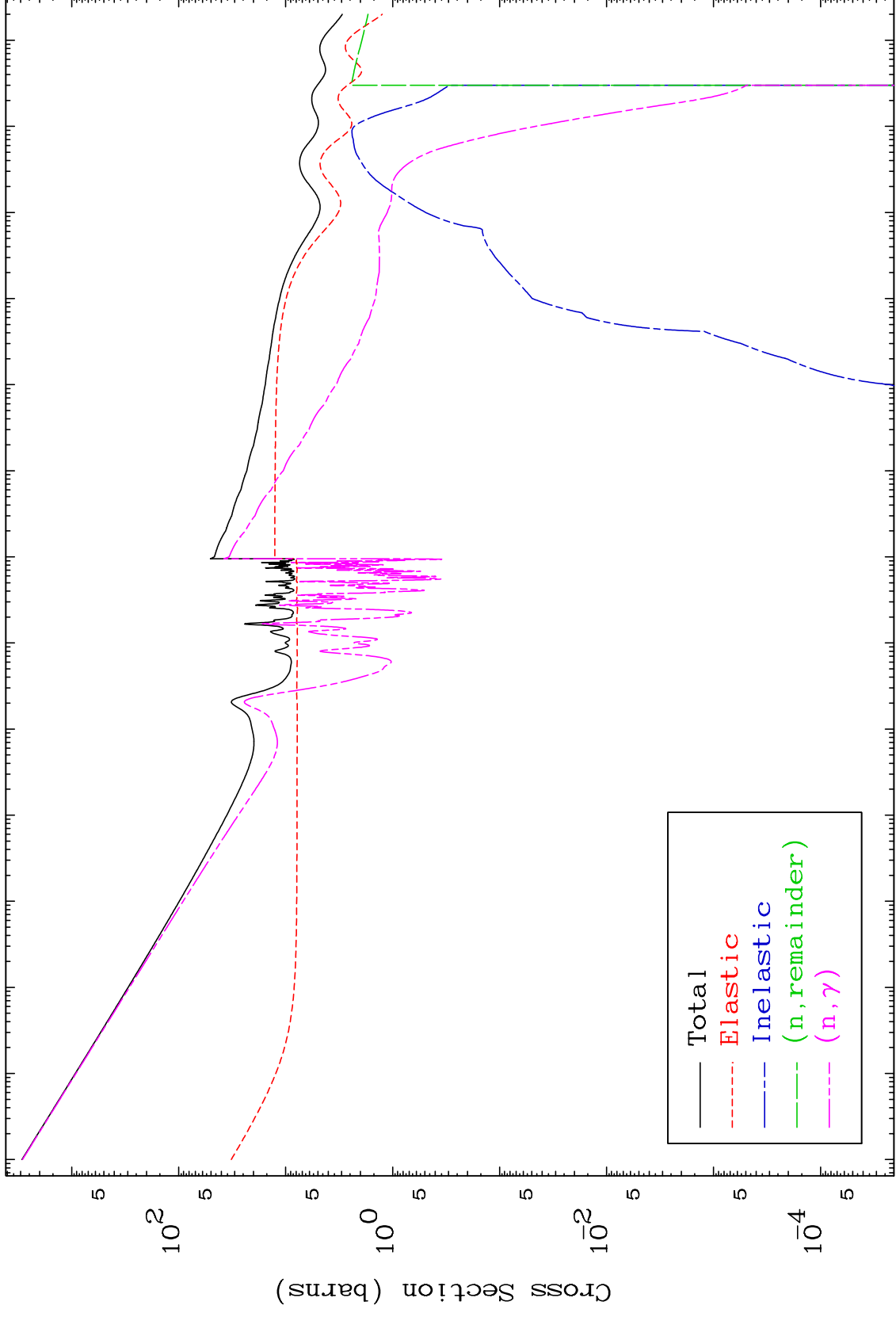
Press Mouse Button to Start

MAT 8304

Major

293 Kelvin Cross Sections

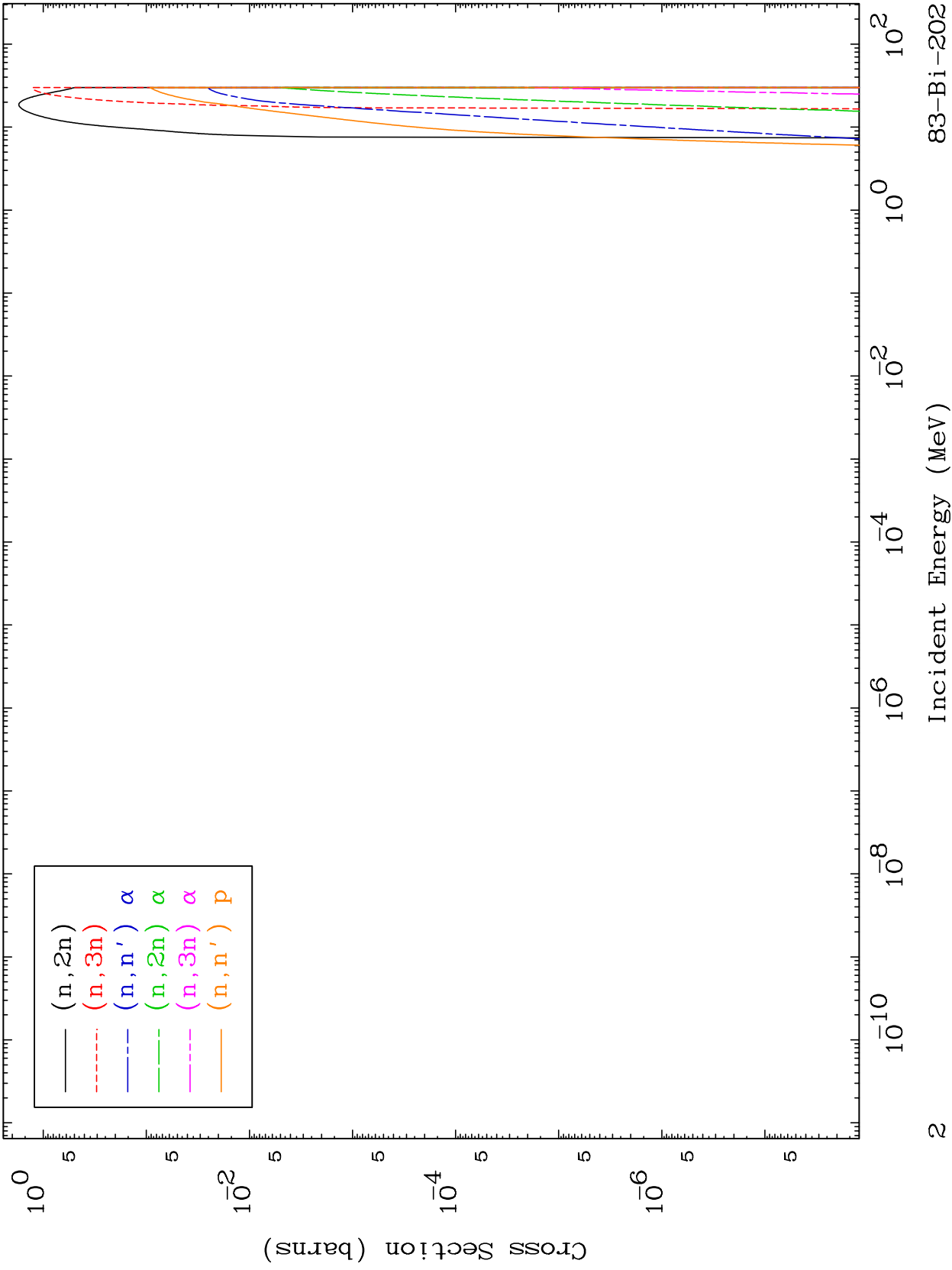
83-Bi-202

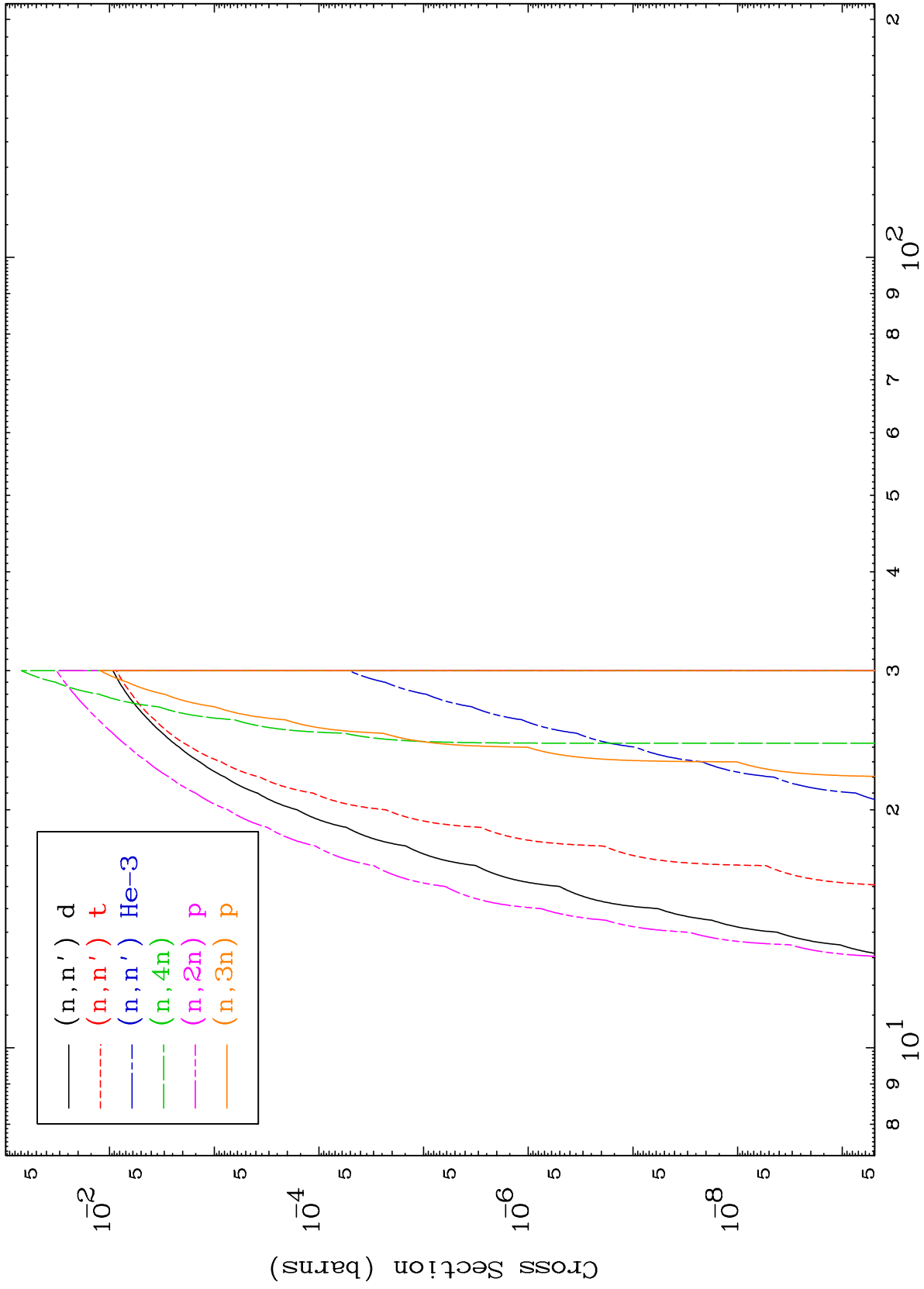


MAT 8304

Neutron Production
293 Kelvin Cross Sections

83-Bi-202

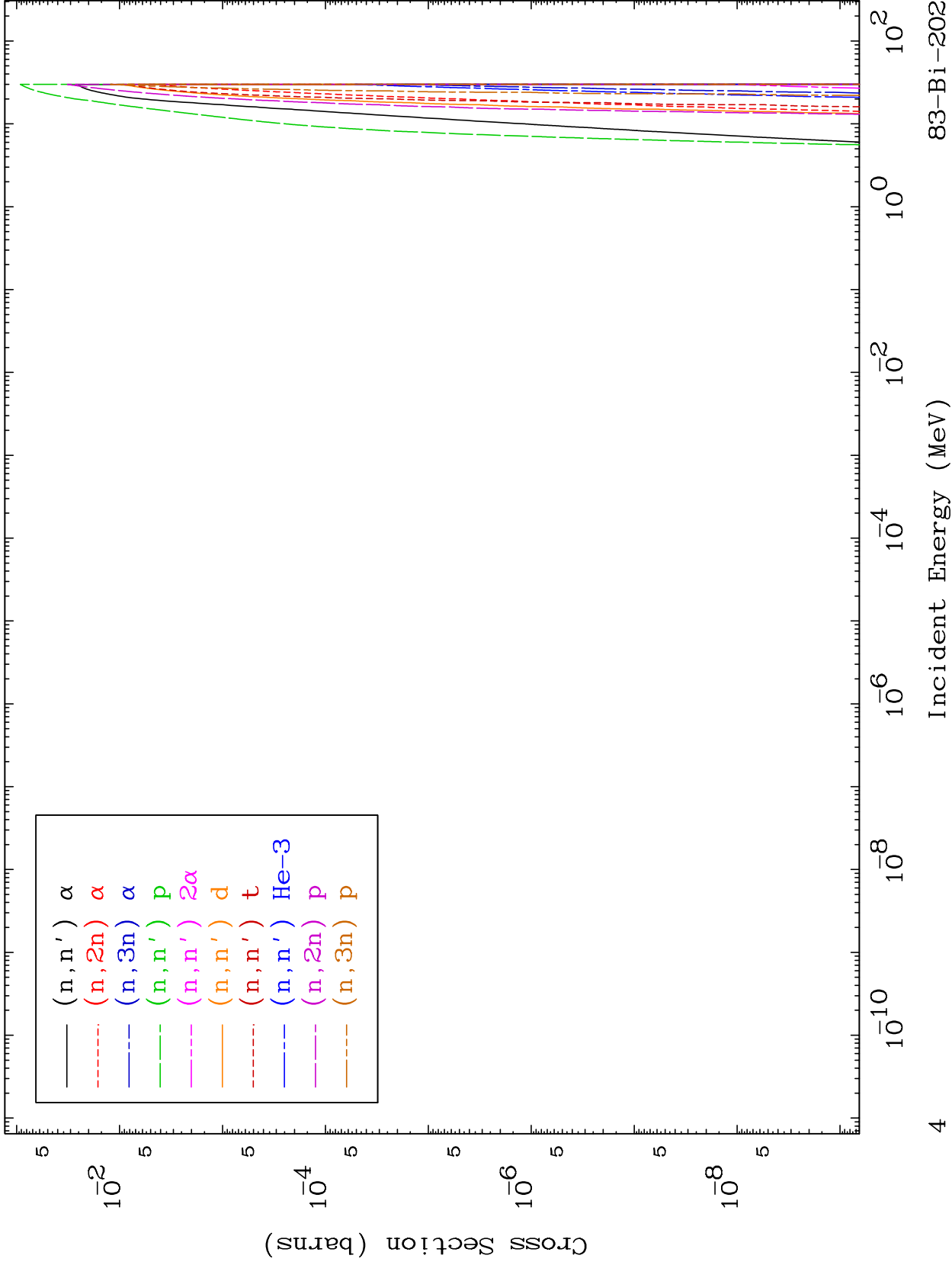




MAT 8304

Charged Particle
293 Kelvin Cross Sections

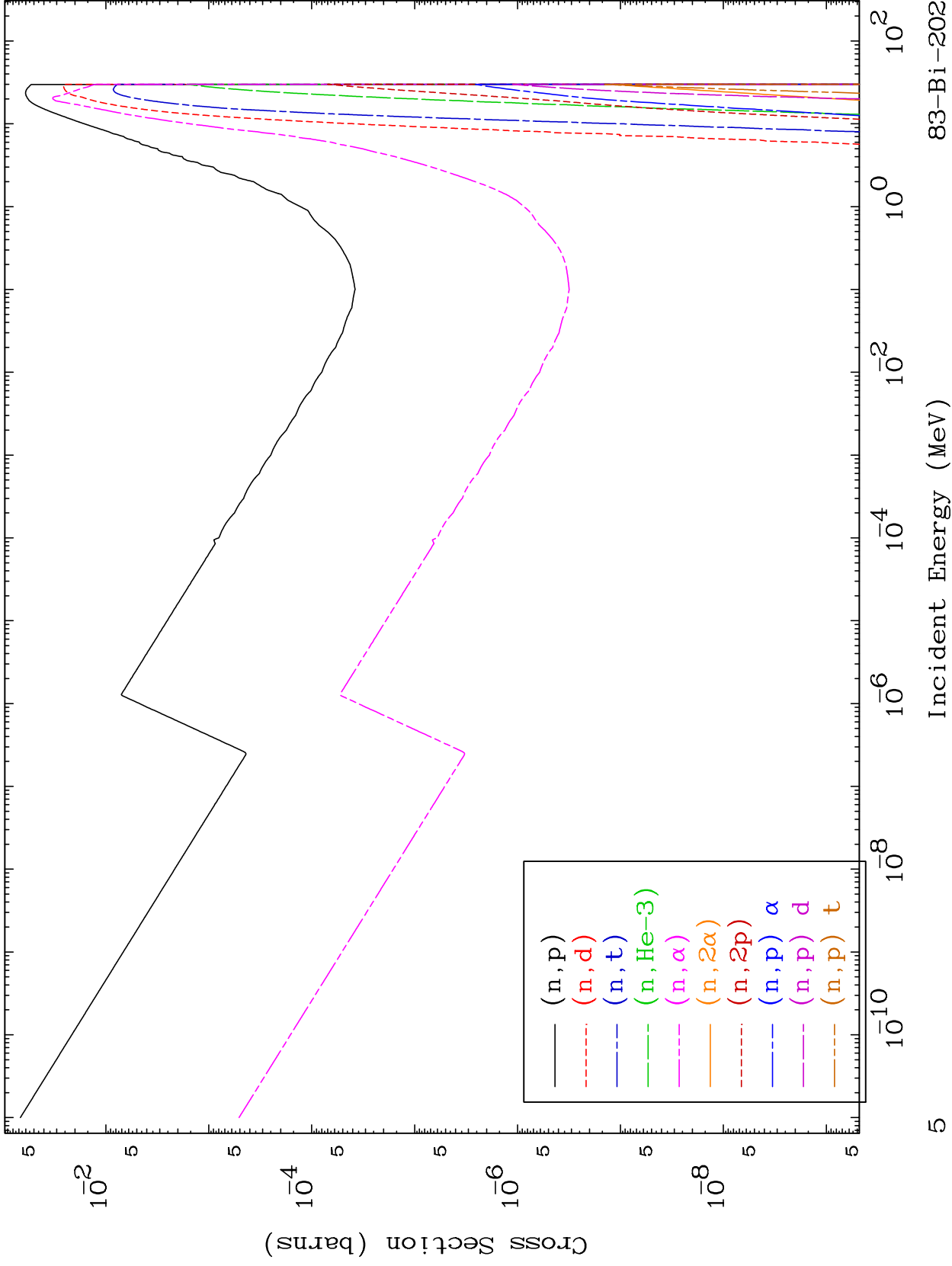
83-Bi-202



MAT 8304

Charged Particle
293 Kelvin Cross Sections

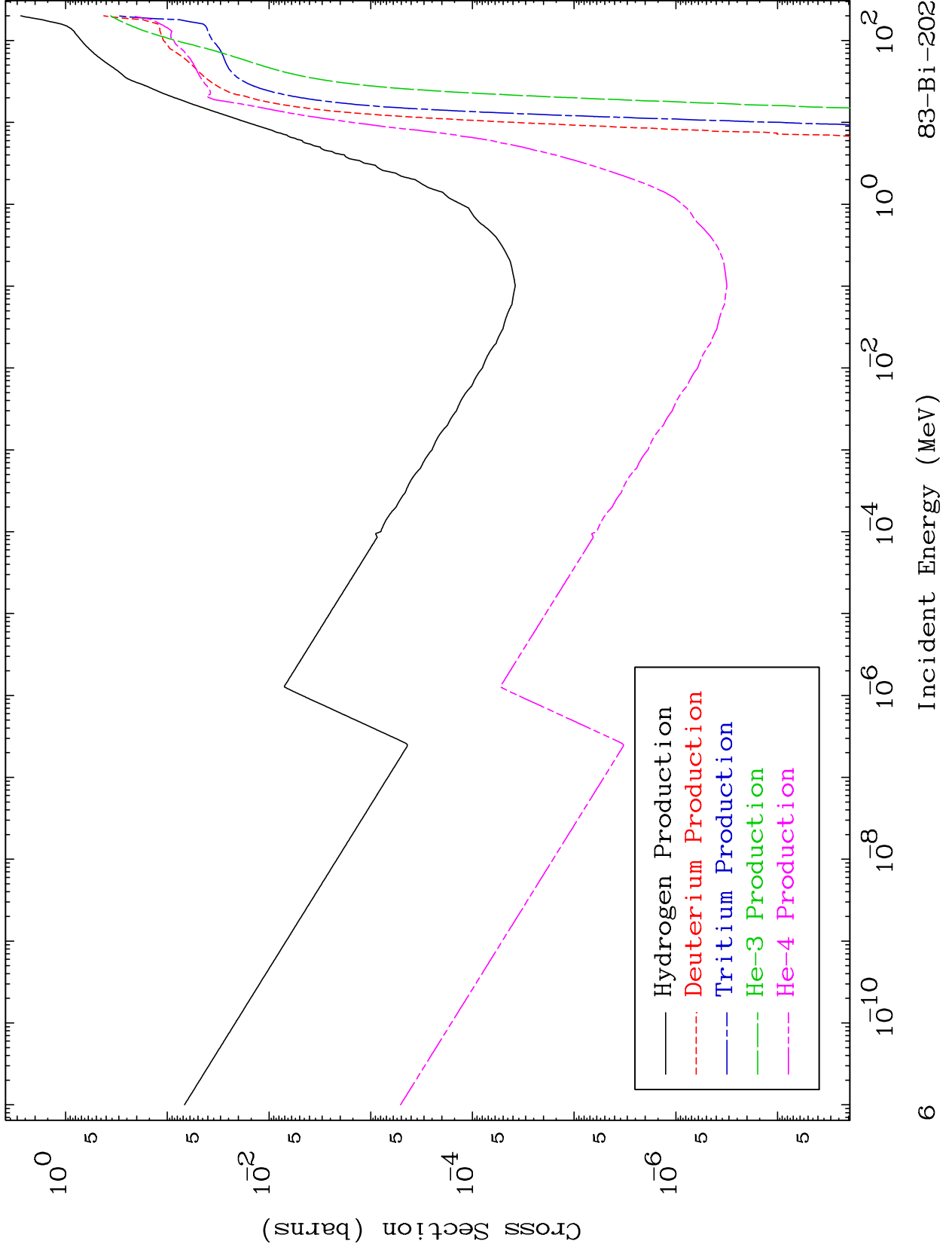
83-Bi-202



MAT 8304

Particle Production
293 Kelvin Cross Sections

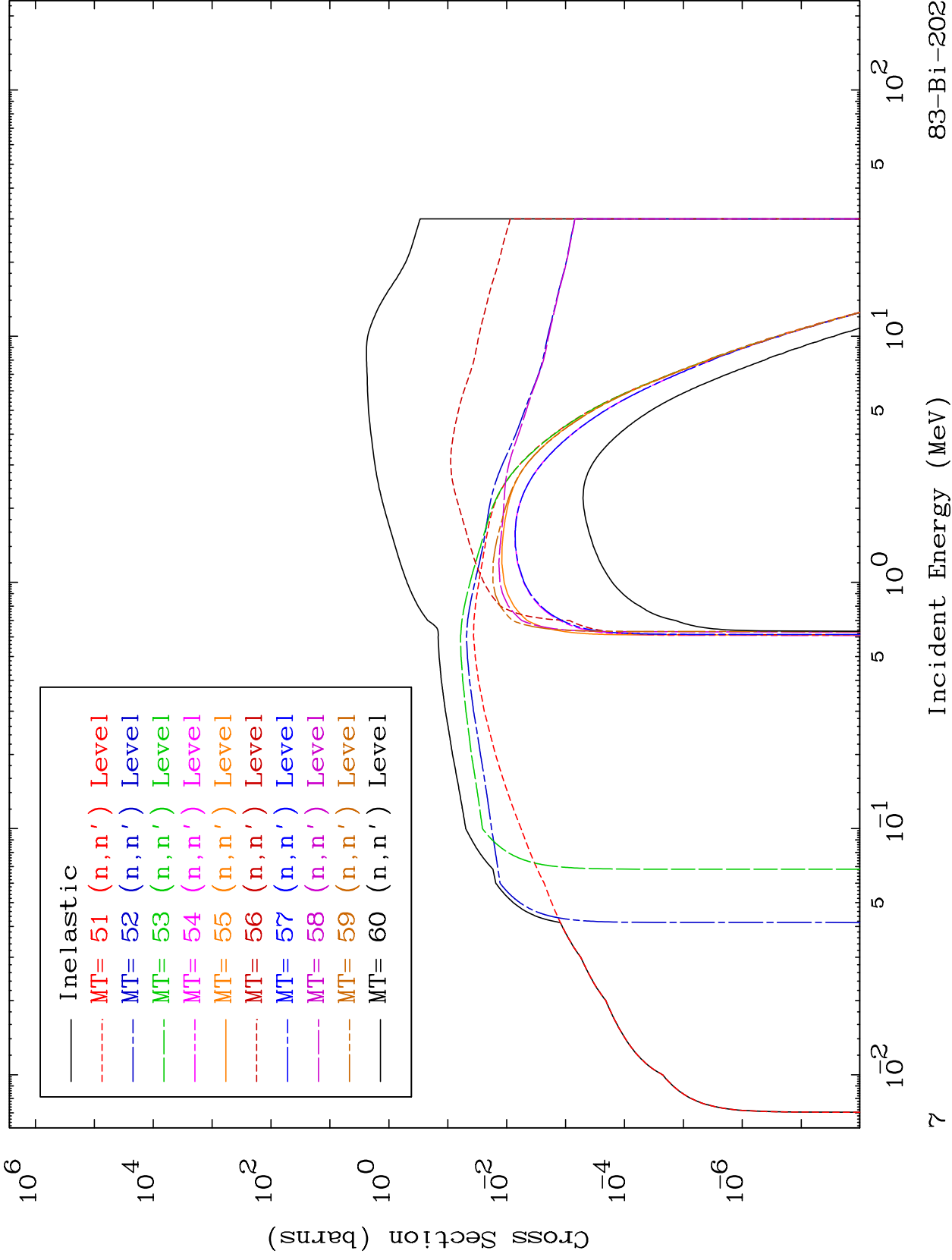
83-Bi-202



MAT 8304

(n,n') Level
293 Kelvin Cross Sections

83-Bi-202



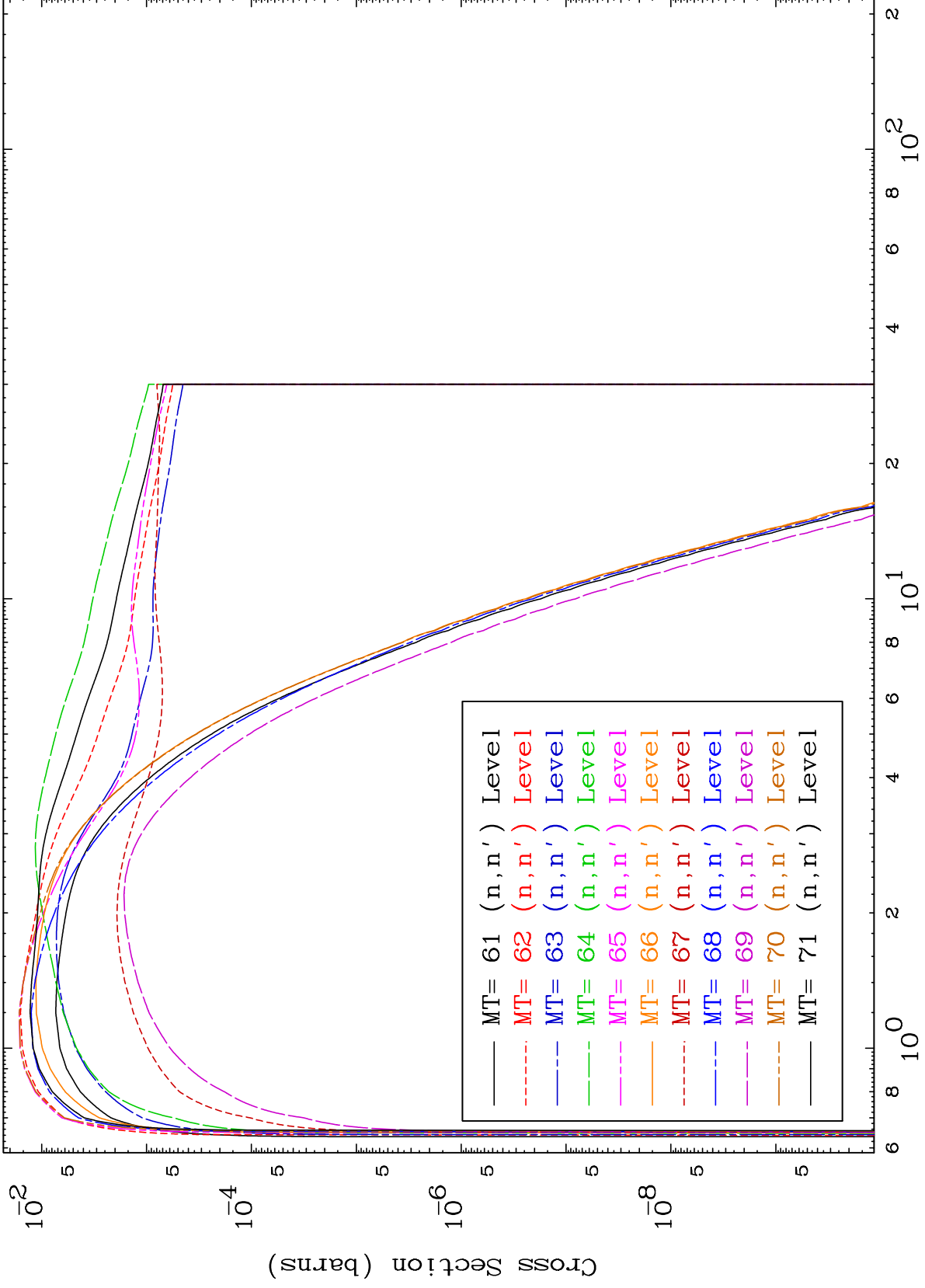
83-Bi-202

Incident Energy (MeV)

MAT 8304

(n,n') Level
293 Kelvin Cross Sections

83-Bi-202



8

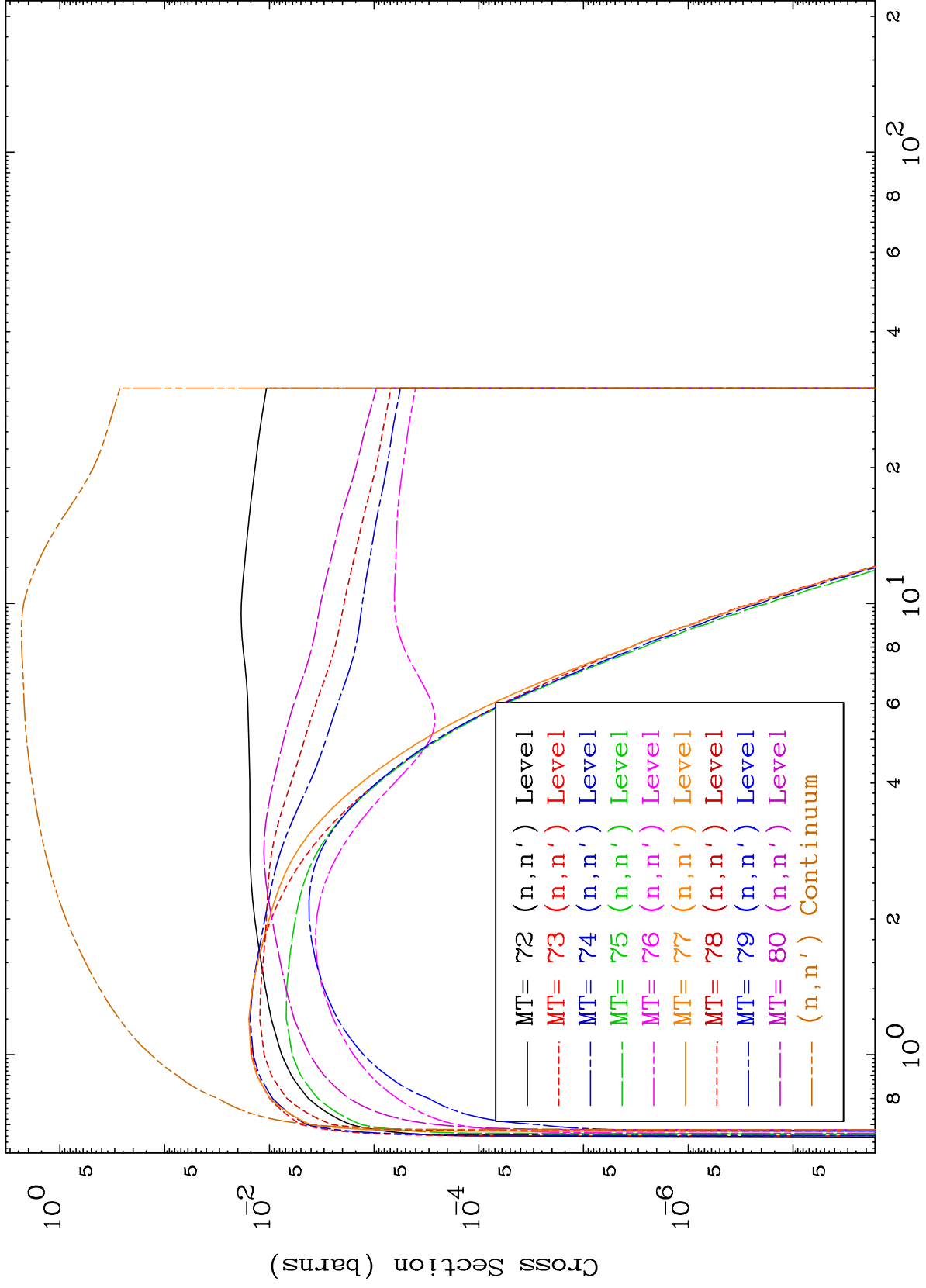
Incident Energy (MeV)

83-Bi-202

MAT 8304

(n,n') Level
293 Kelvin Cross Sections

83-Bi-202



9

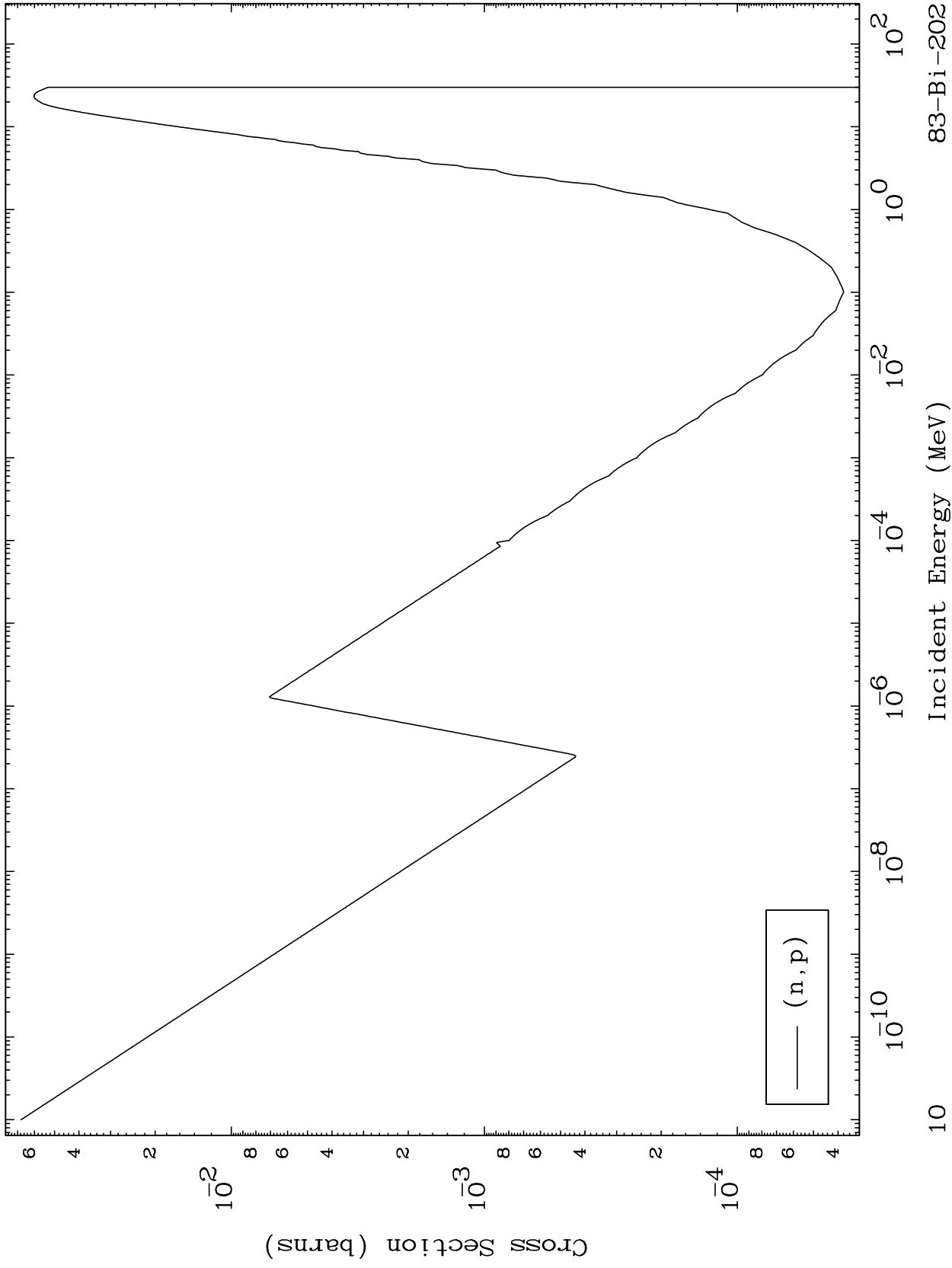
Incident Energy (MeV)

83-Bi-202

MAT 8304

(n,p) Levels
293 Kelvin Cross Sections

83-Bi-202



10

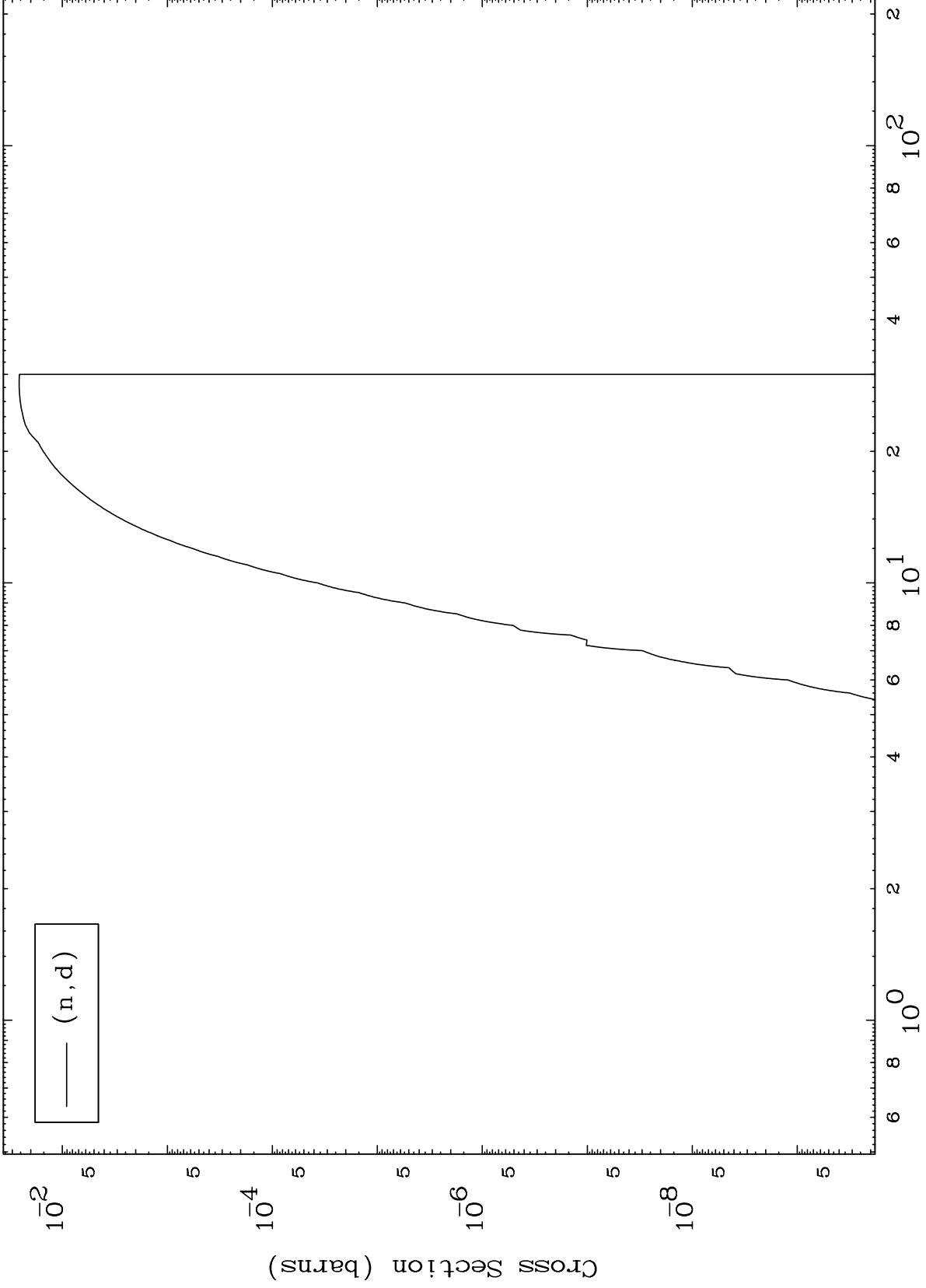
Incident Energy (MeV)

83-Bi-202

MAT 8304

(n,d) Levels
293 Kelvin Cross Sections

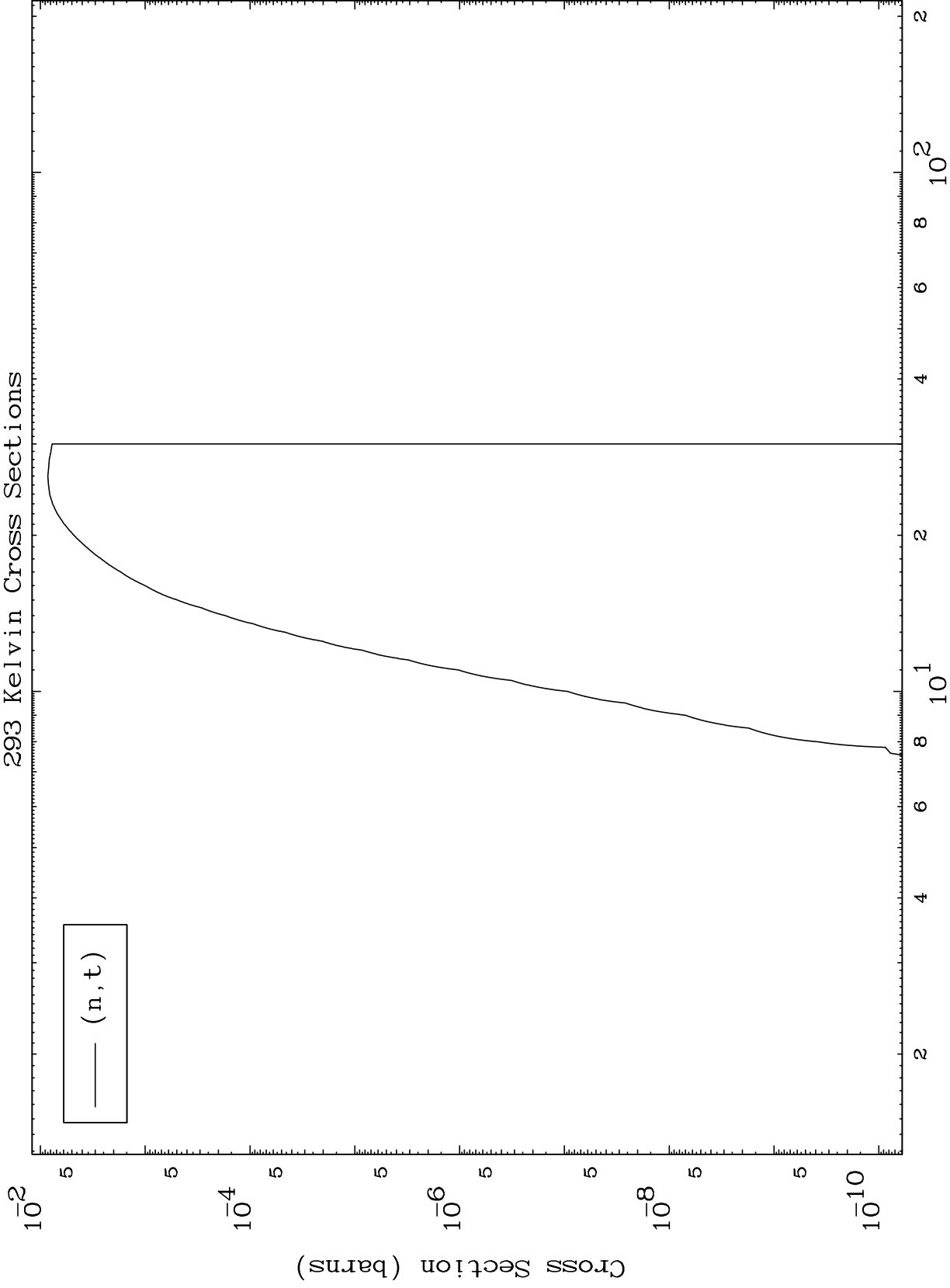
83-Bi-202



MAT 8304

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-202



12

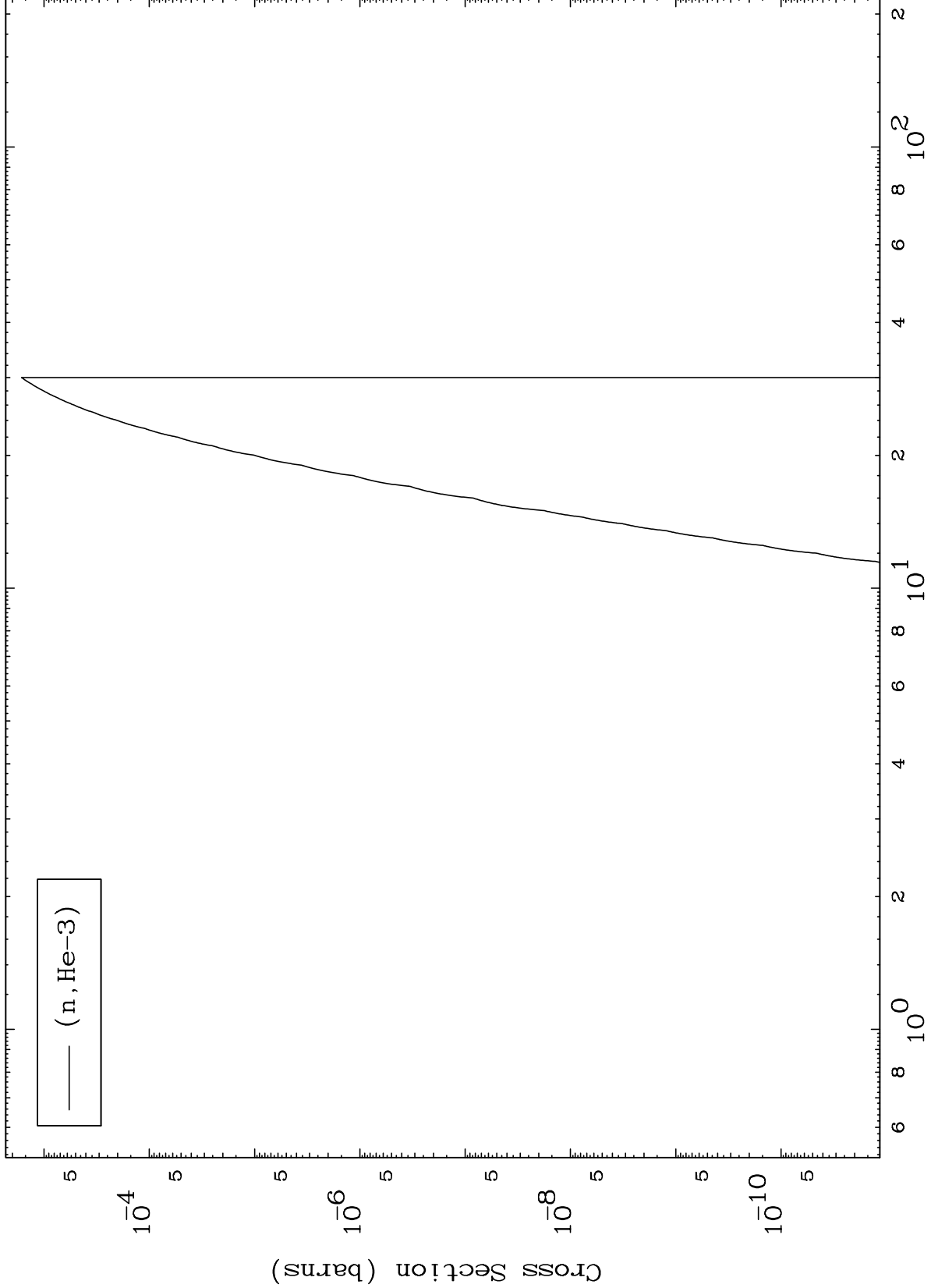
Incident Energy (MeV)

83-Bi-202

MAT 8304

(n,He3) Levels
293 Kelvin Cross Sections

83-Bi-202



13

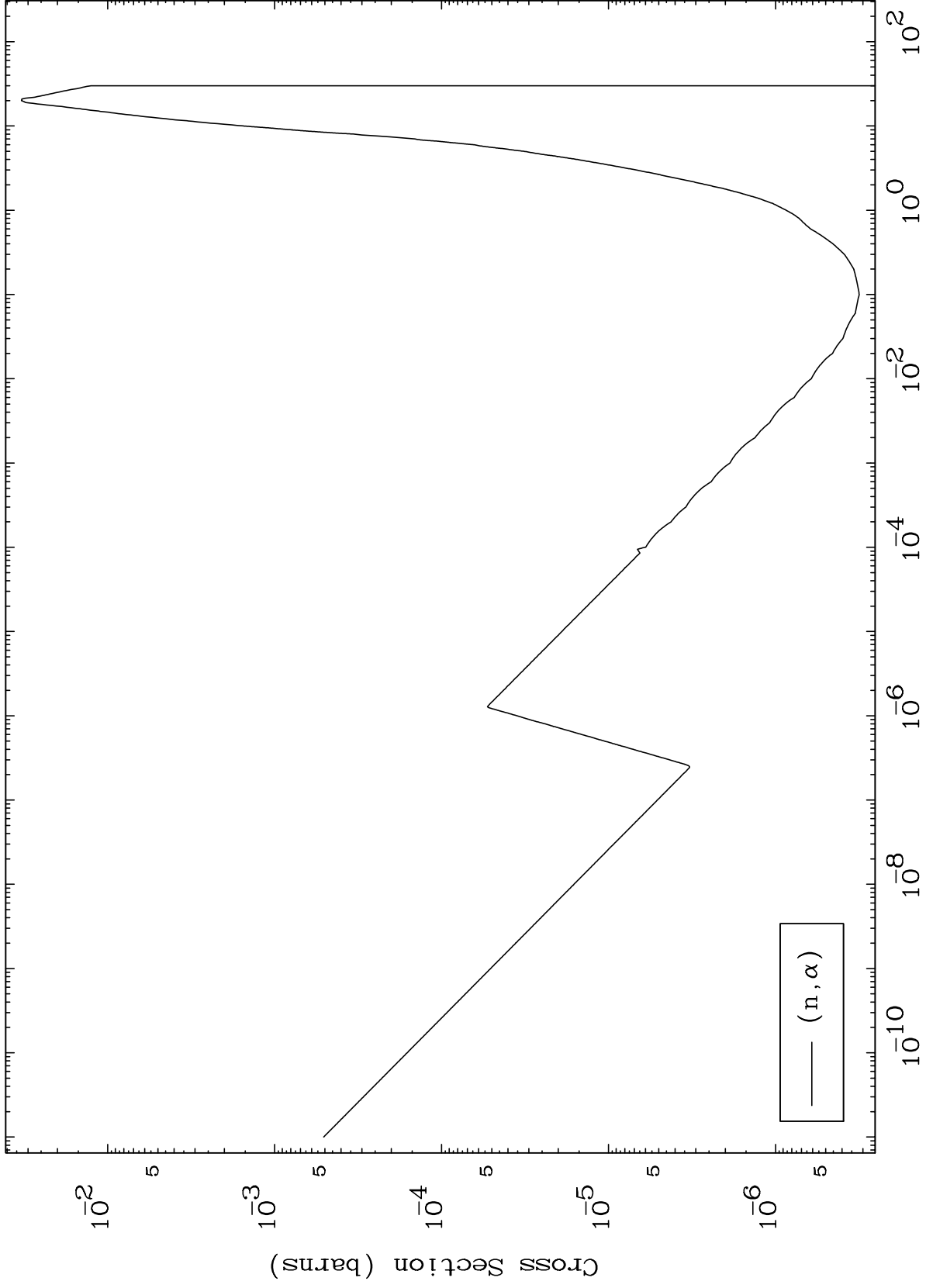
Incident Energy (MeV)

83-Bi-202

MAT 8304

(n,α) Levels
293 Kelvin Cross Sections

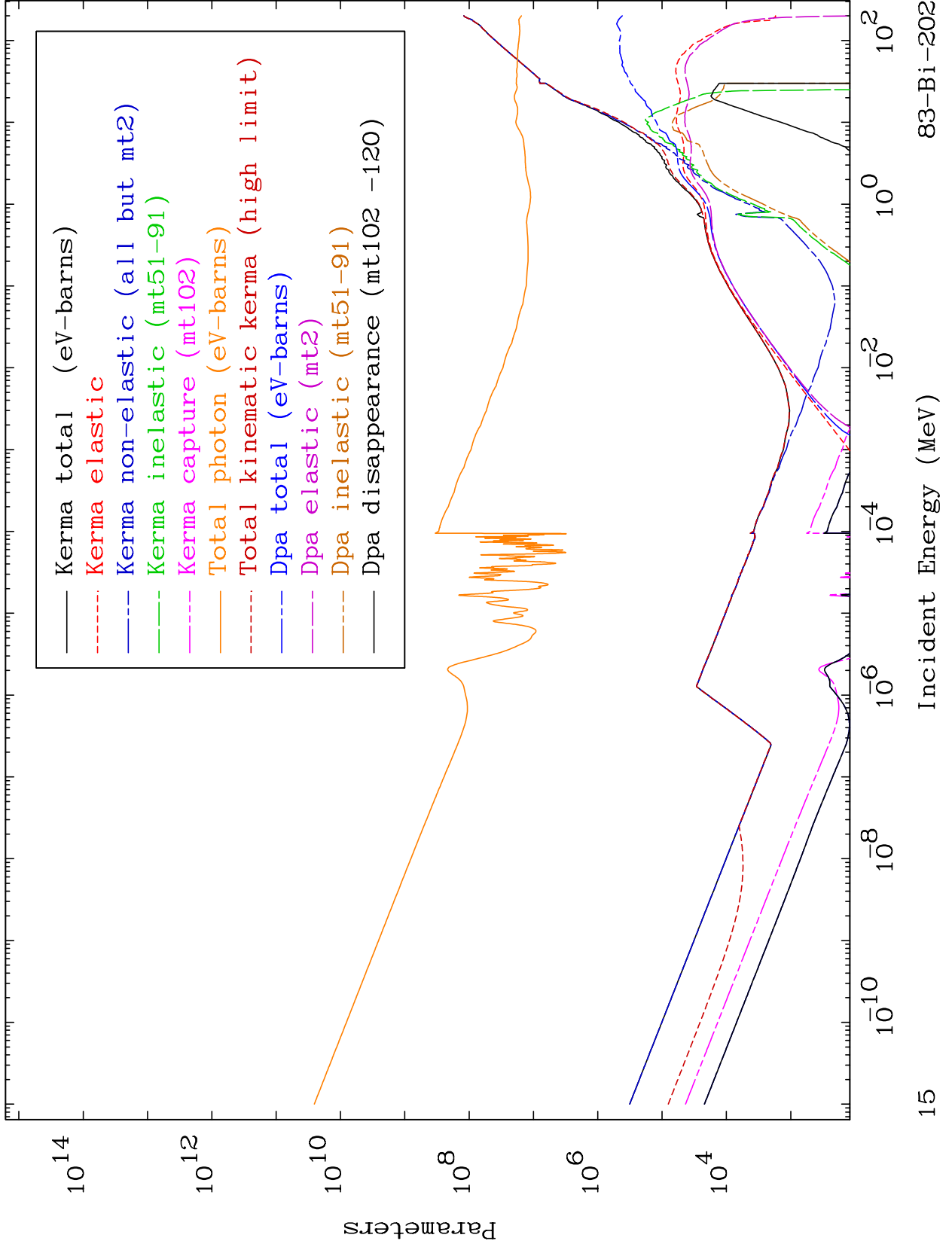
83-Bi-202



14

Incident Energy (MeV)

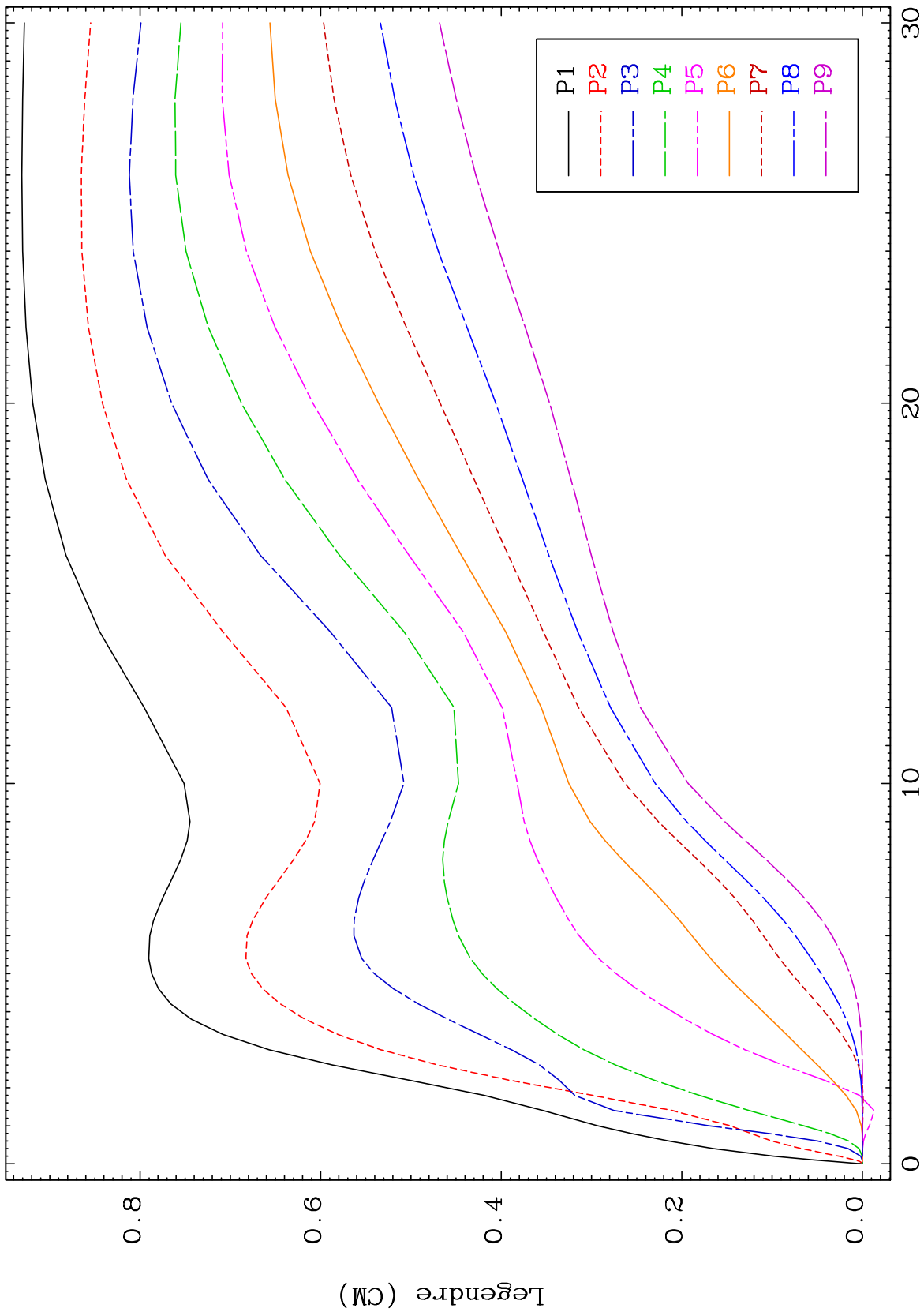
83-Bi-202



MAT 8304

83-Bi-202

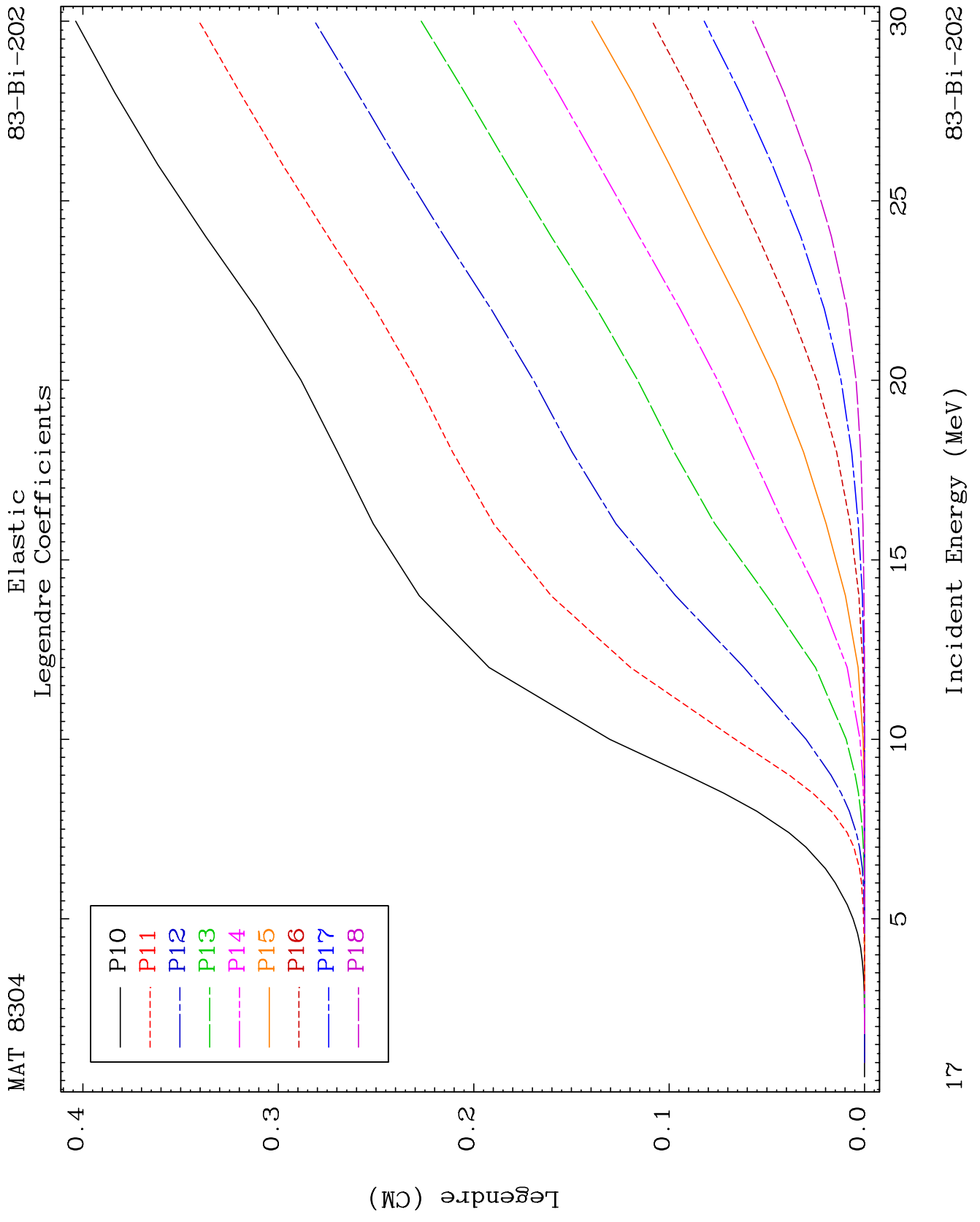
Elastic Legendre Coefficients



16

Incident Energy (MeV)

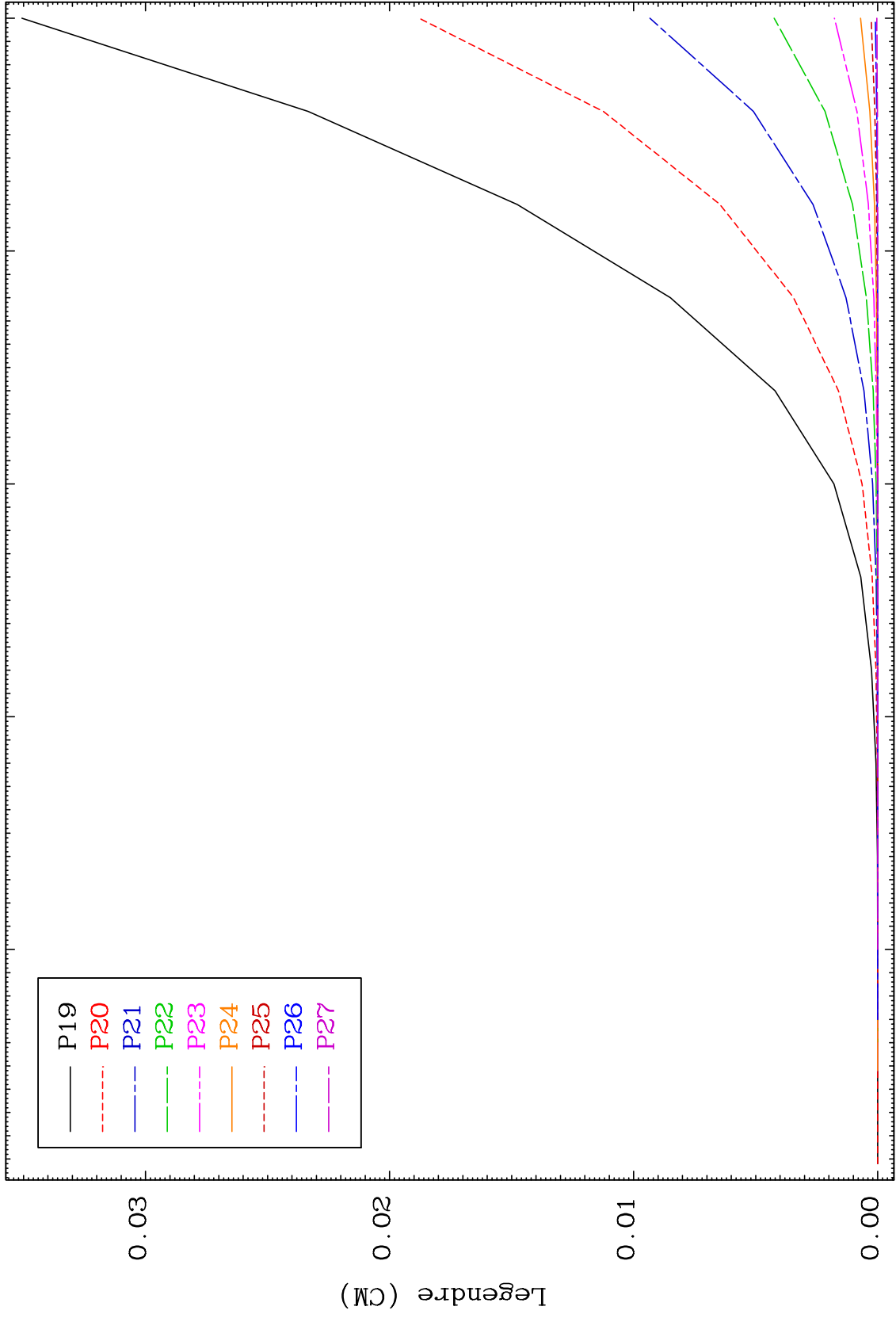
83-Bi-202



MAT 8304

Elastic Legendre Coefficients

83-Bi-202



18

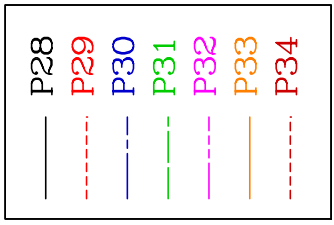
Incident Energy (MeV)

83-Bi-202

MAT 8304

Elastic Legendre Coefficients

83-Bi-202



$\times 10^{-5}$

Legendre (CM)

1.0

0.8

0.6

0.4

0.2

0.0

15

20

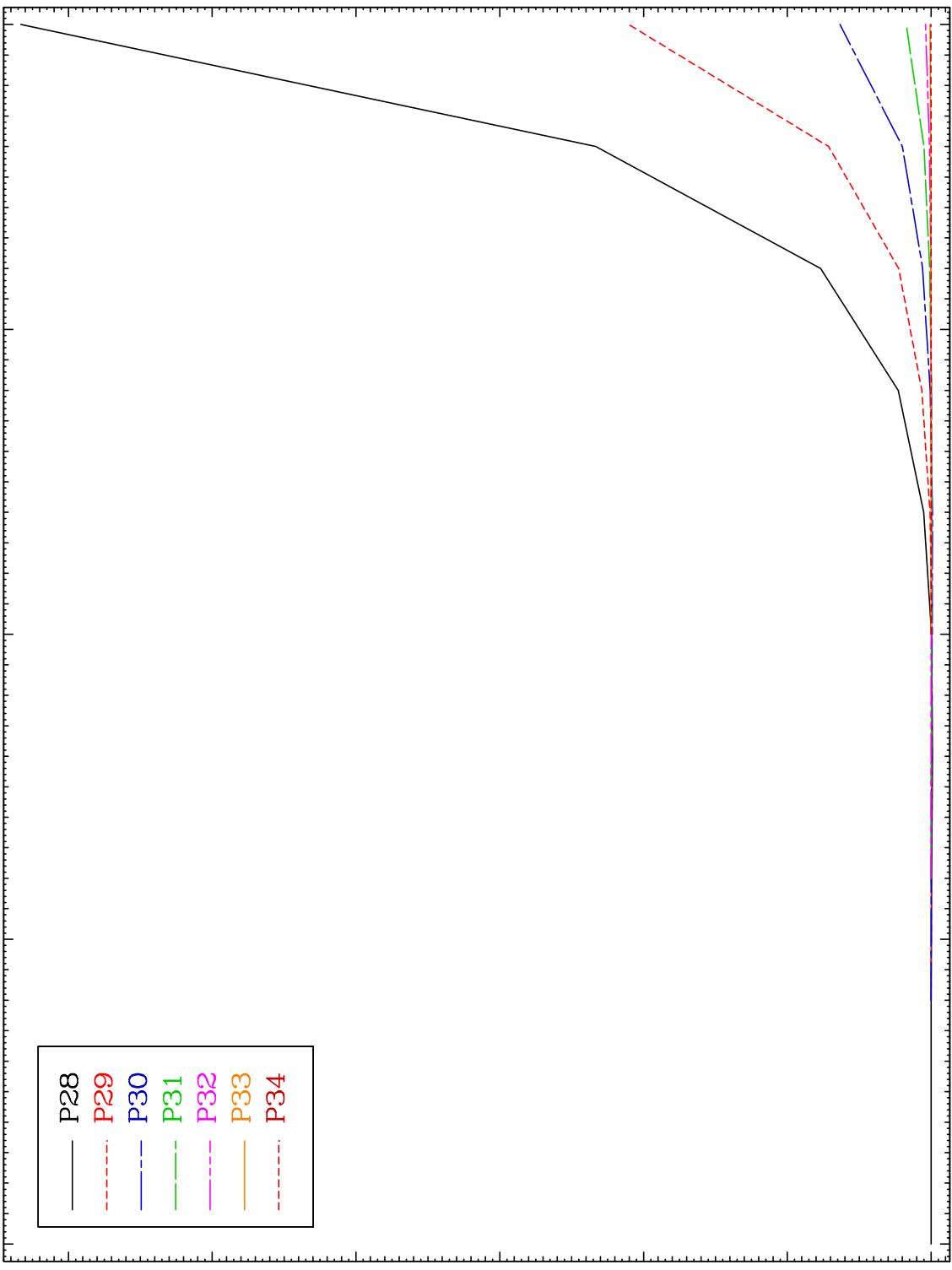
25

30

19

Incident Energy (MeV)

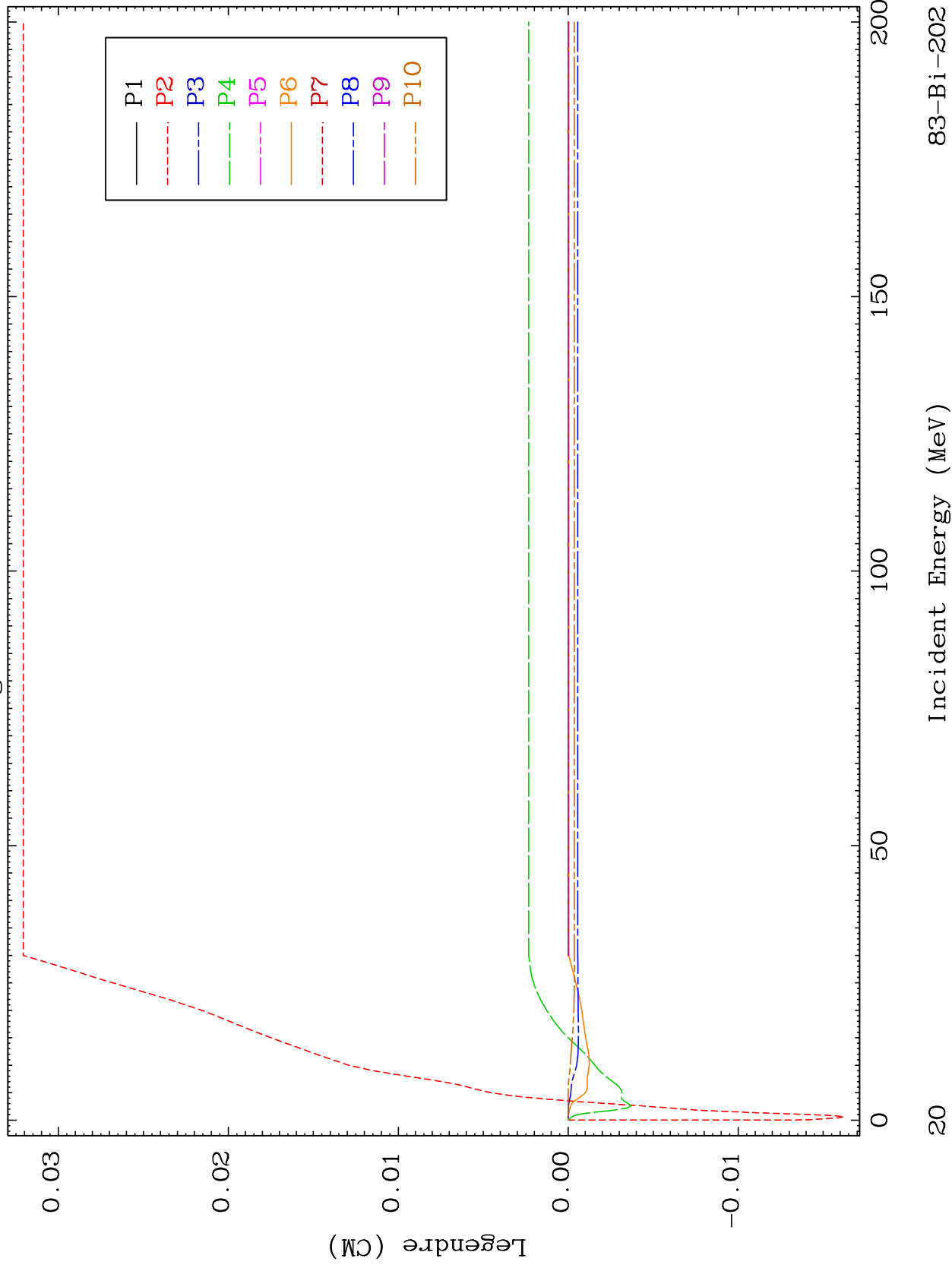
83-Bi-202



MAT 8304

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

83-Bi-202



83-Bi-202

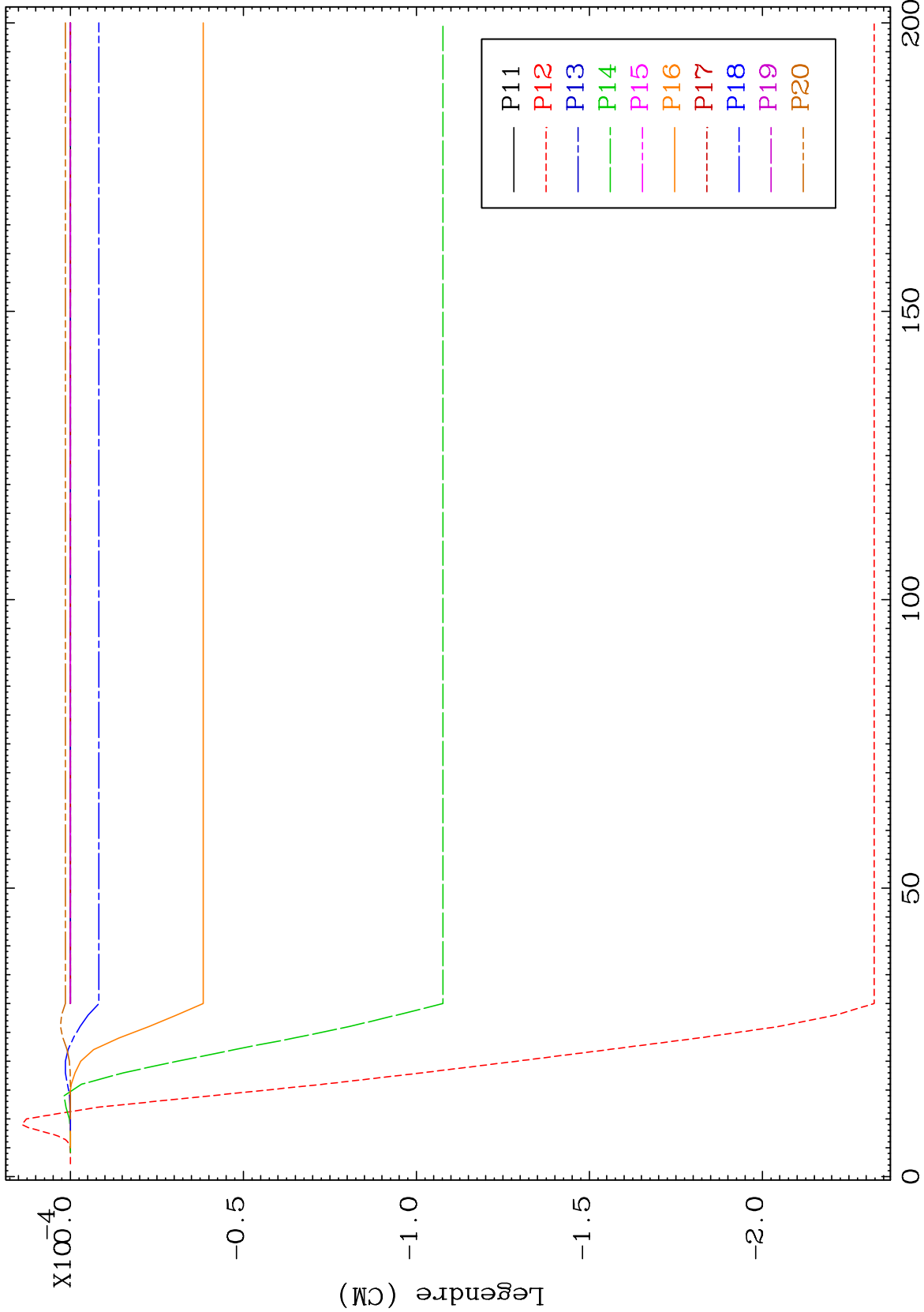
Incident Energy (MeV)

0

MAT 8304

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

83-Bi-202



21

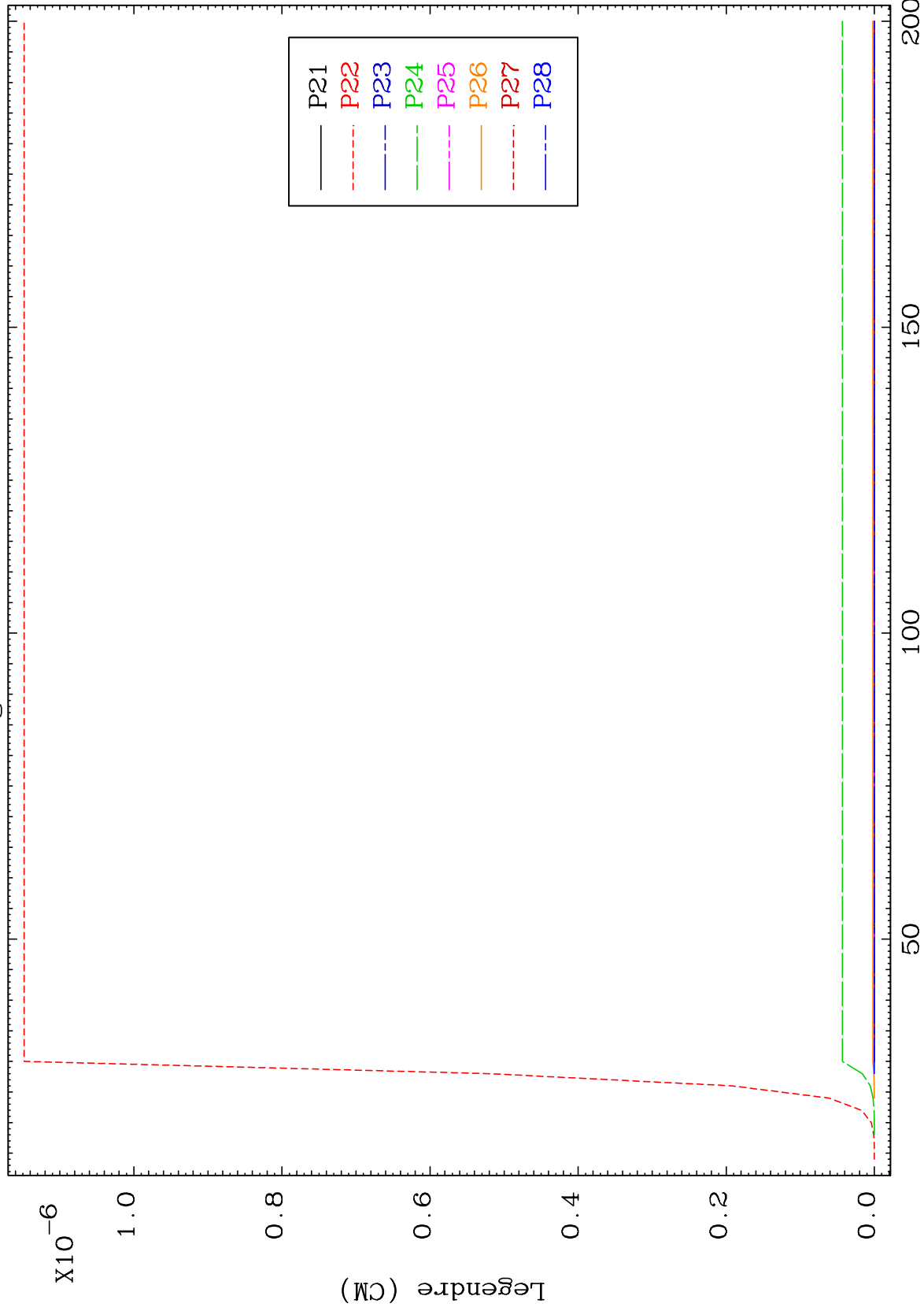
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



22

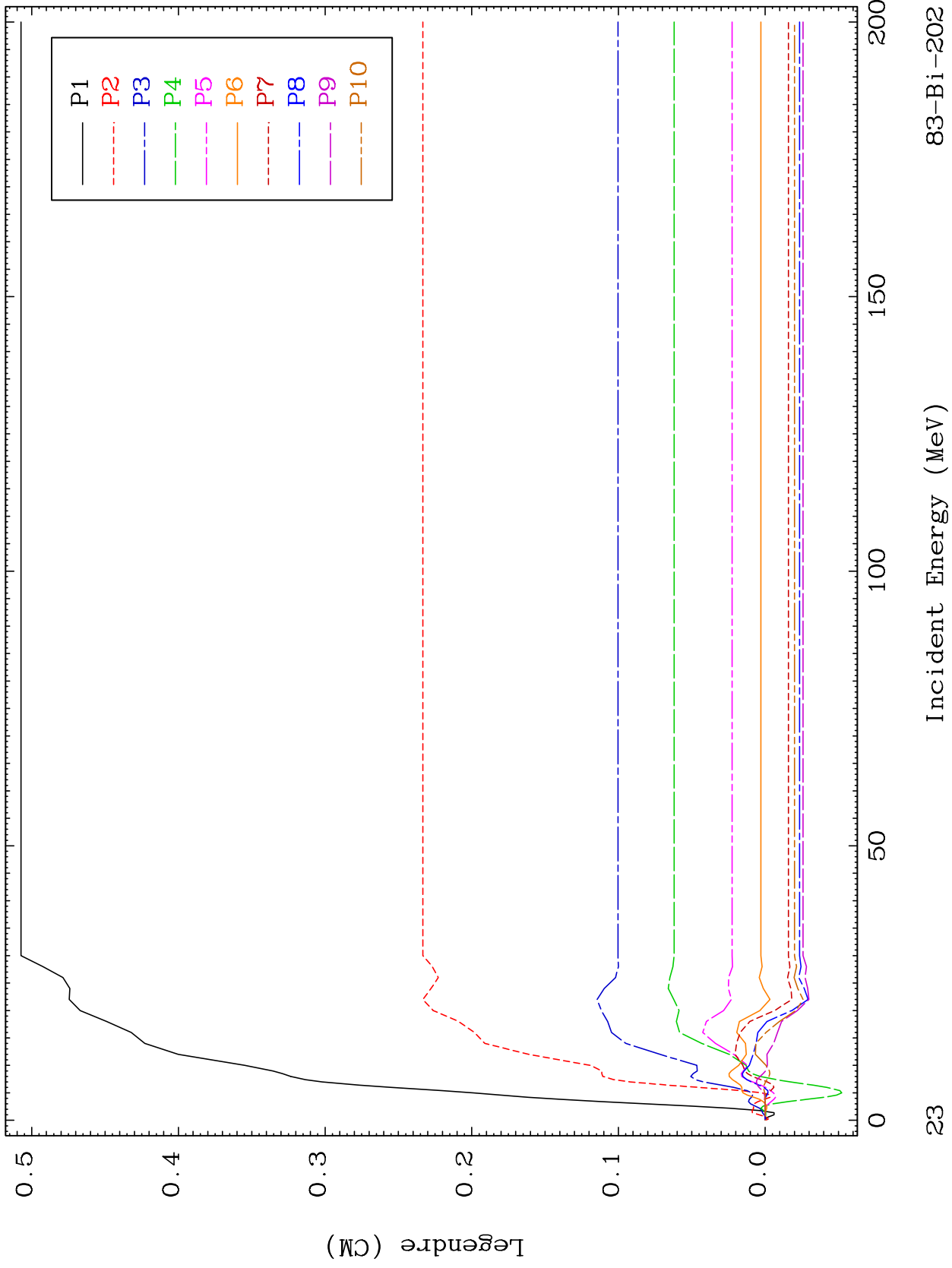
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



83-Bi-202

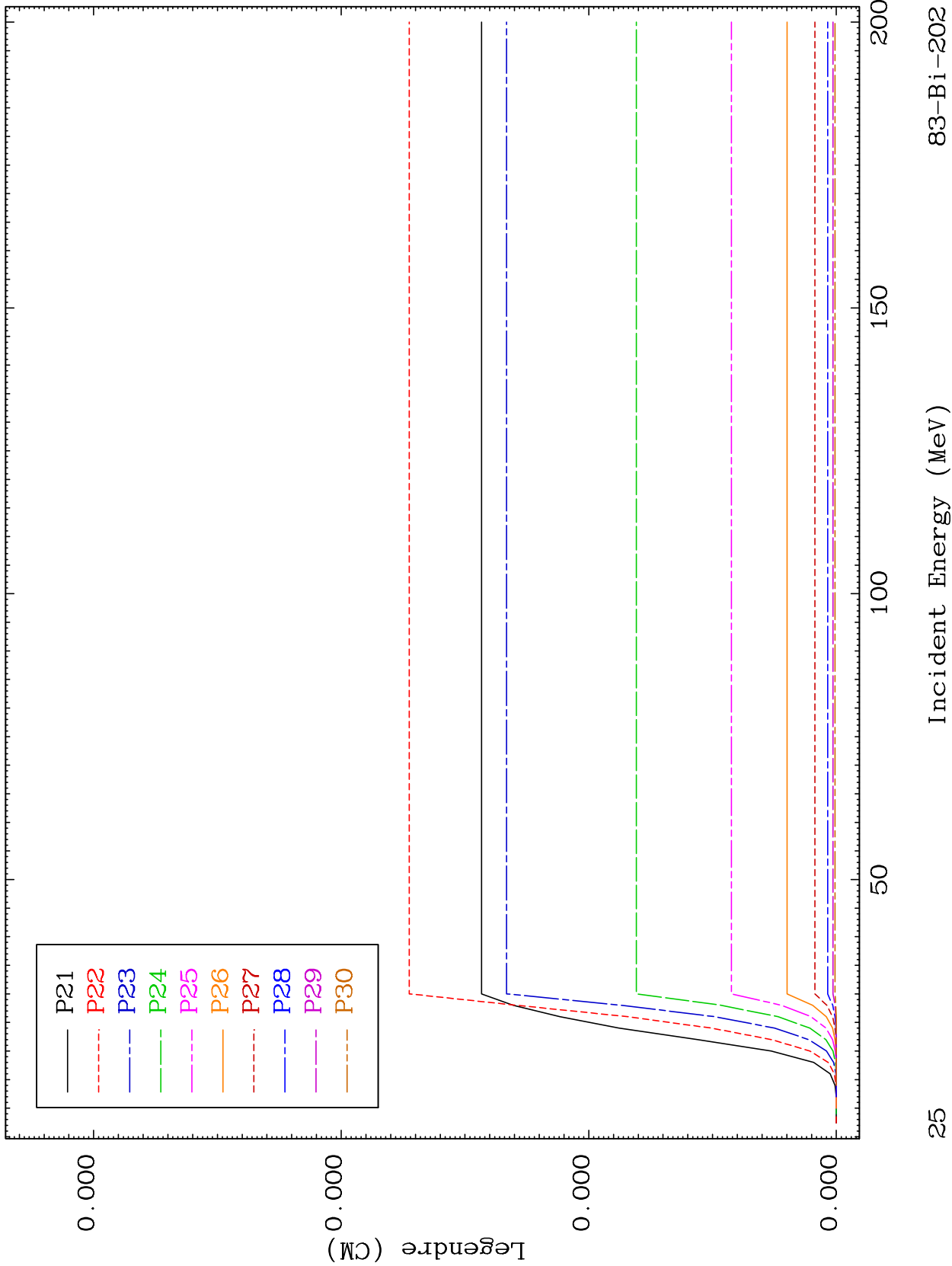
Incident Energy (MeV)

23

MAT 8304

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

83-Bi-202



25

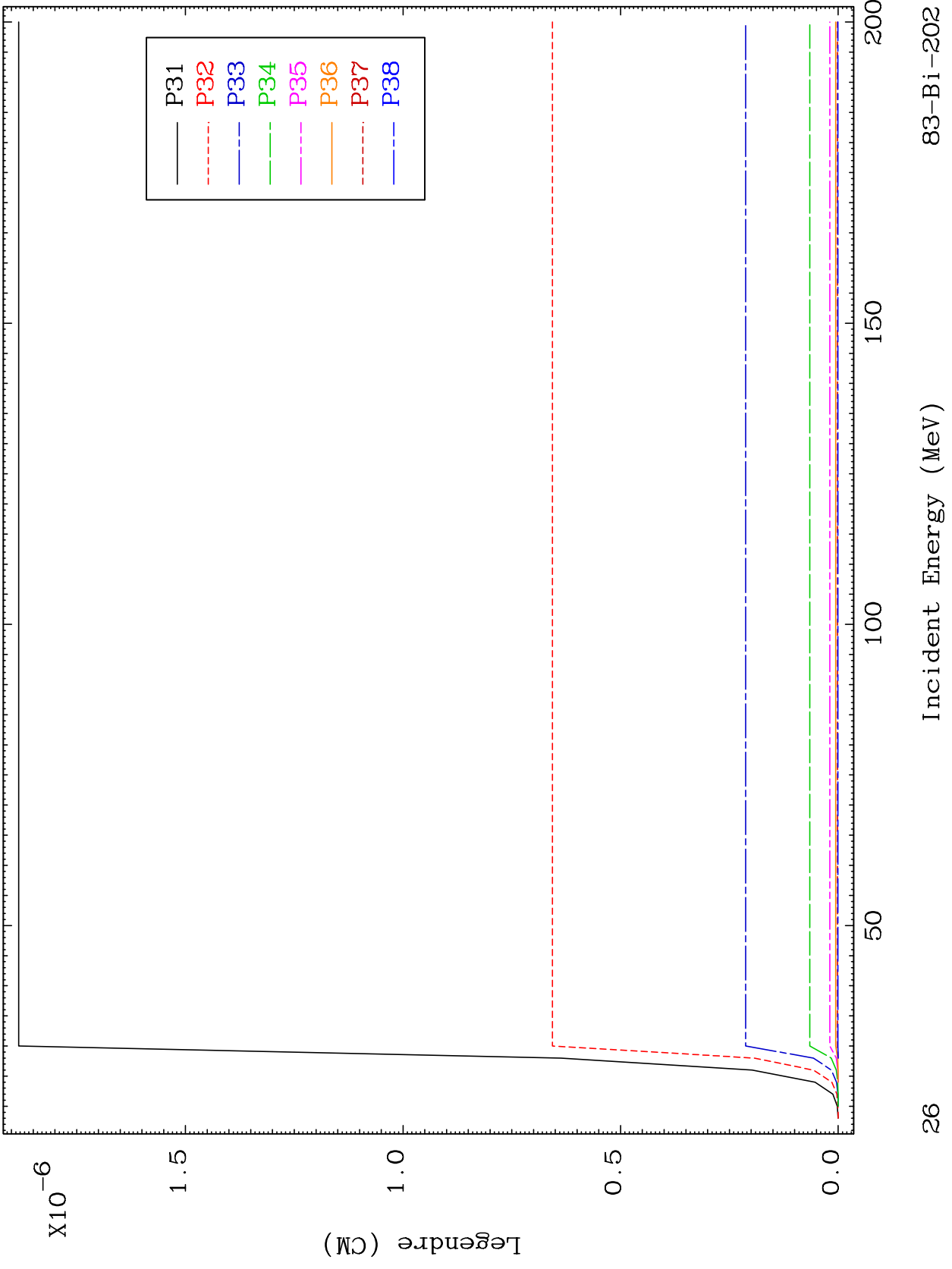
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



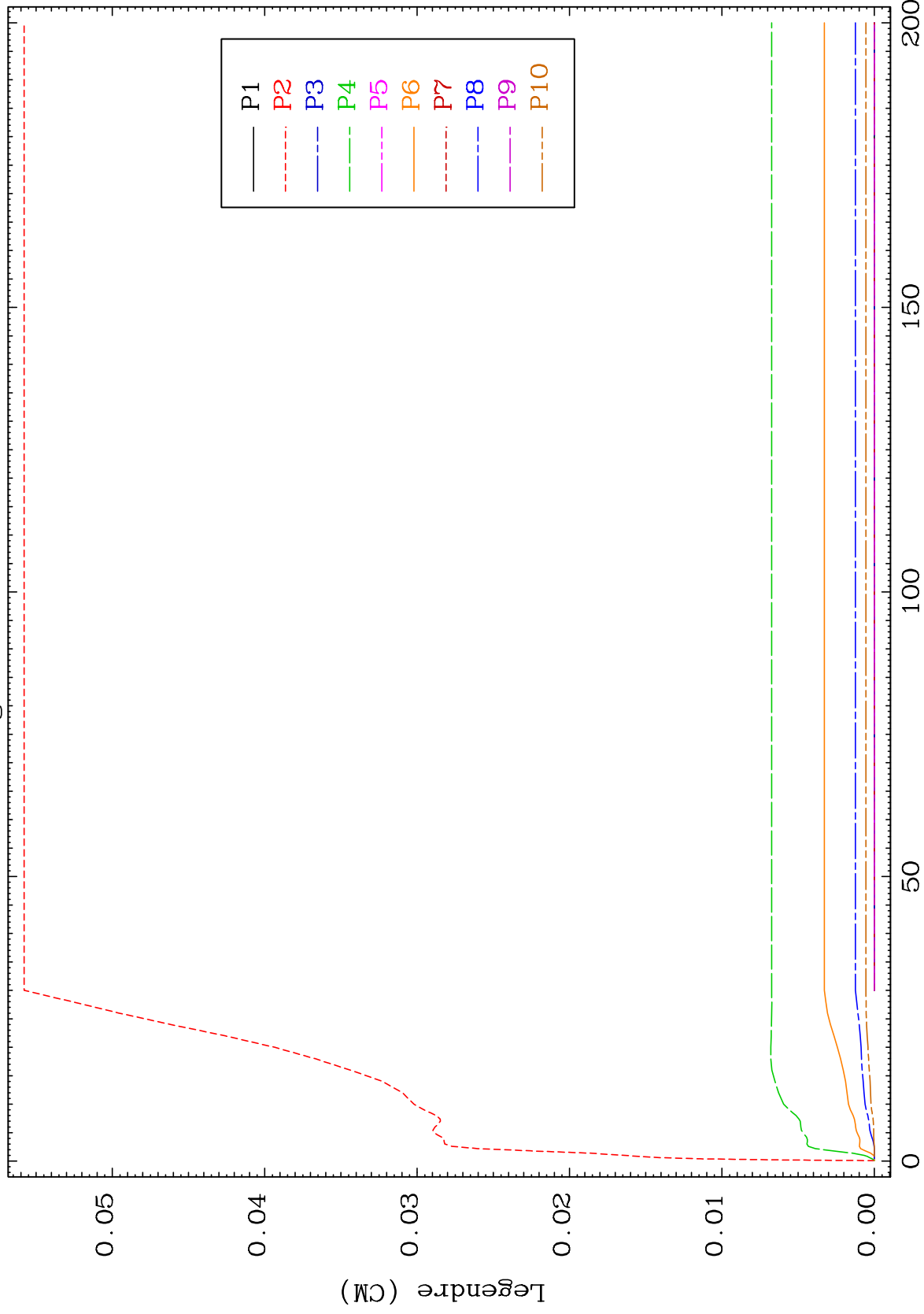
26

83-Bi-202

MAT 8304

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

83-Bi-202



27

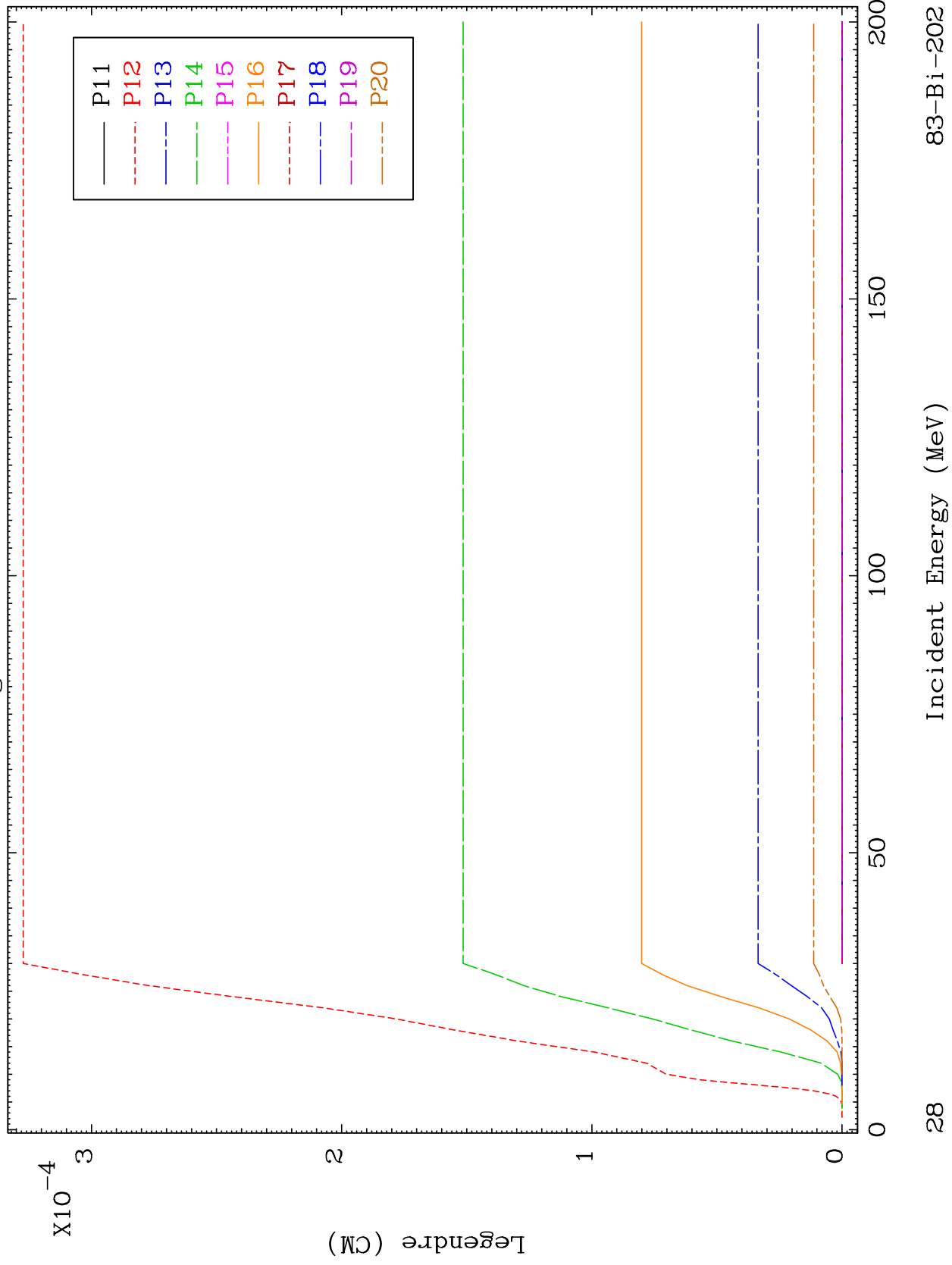
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



83-Bi-202

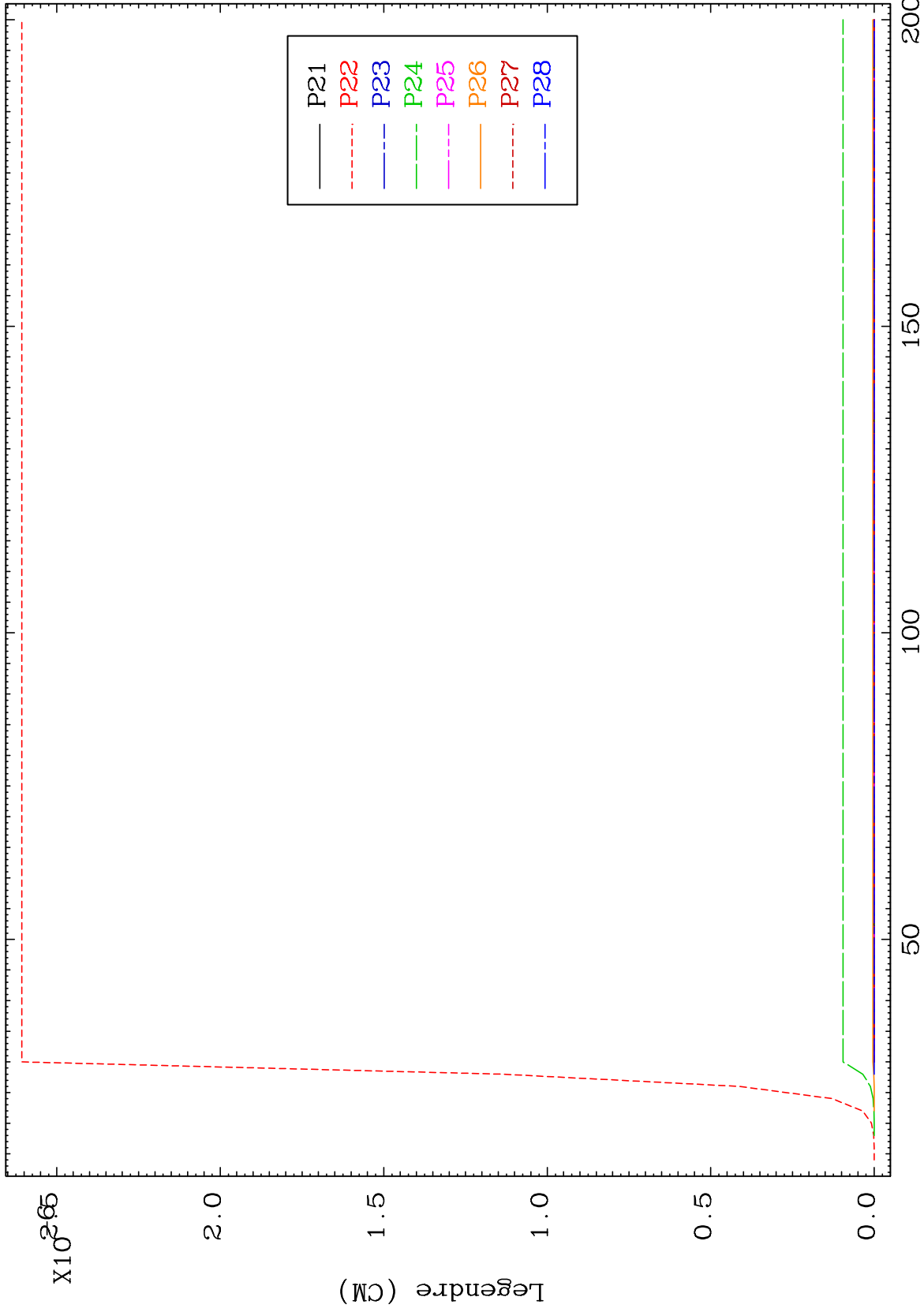
Incident Energy (MeV)

28

MAT 8304

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

83-Bi-202



29

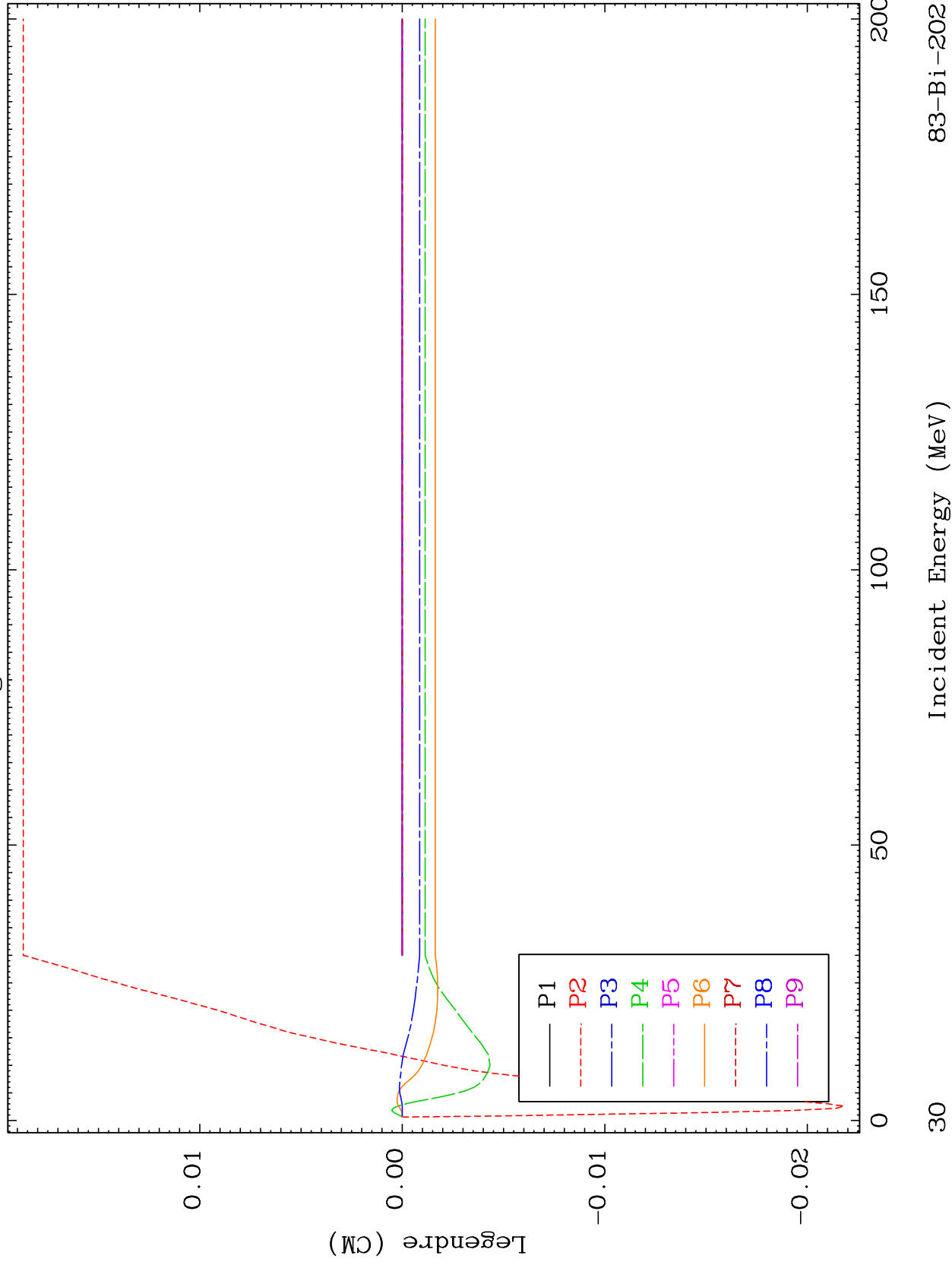
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

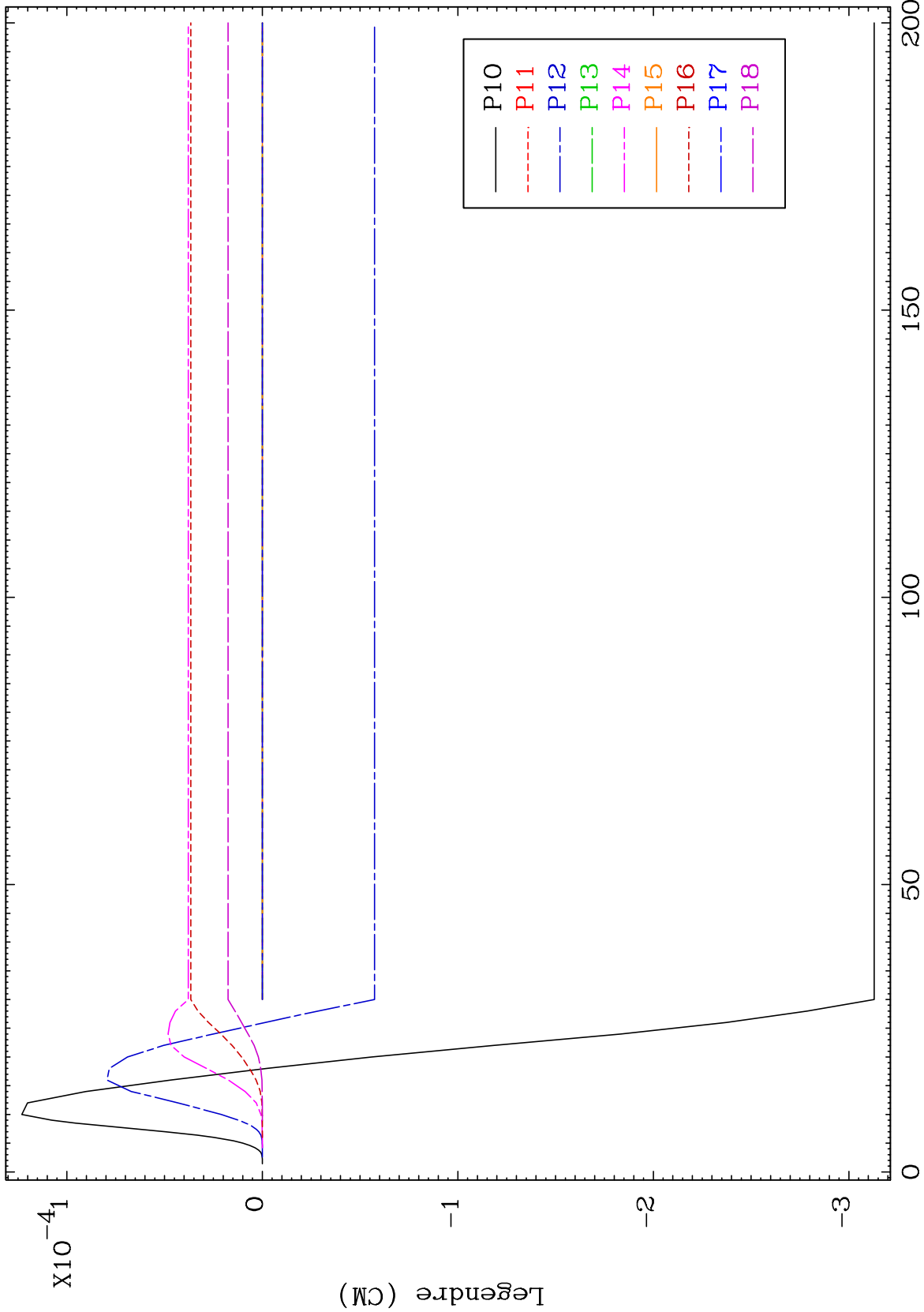
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MAT 8304

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

83-Bi-202



31

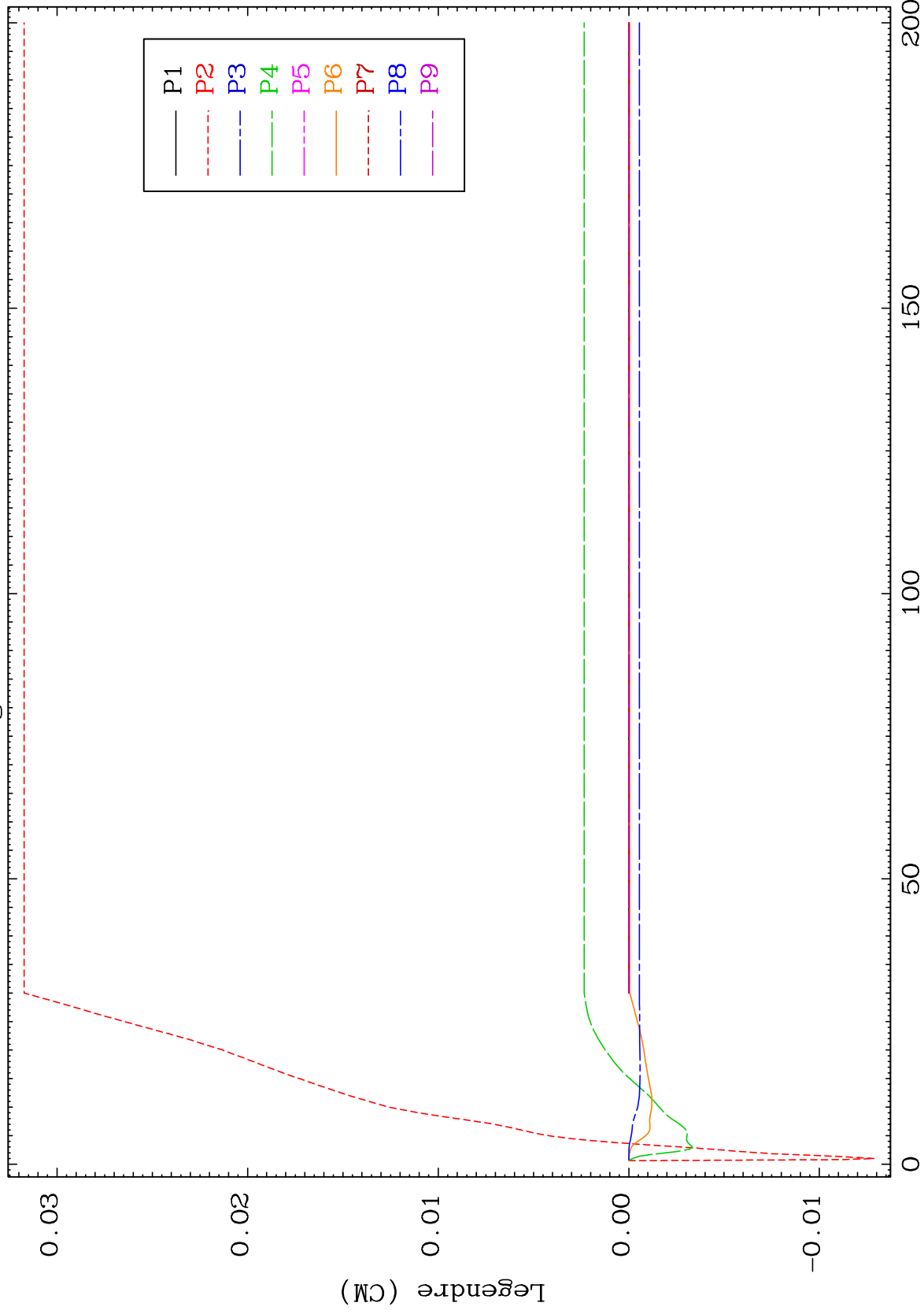
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



33

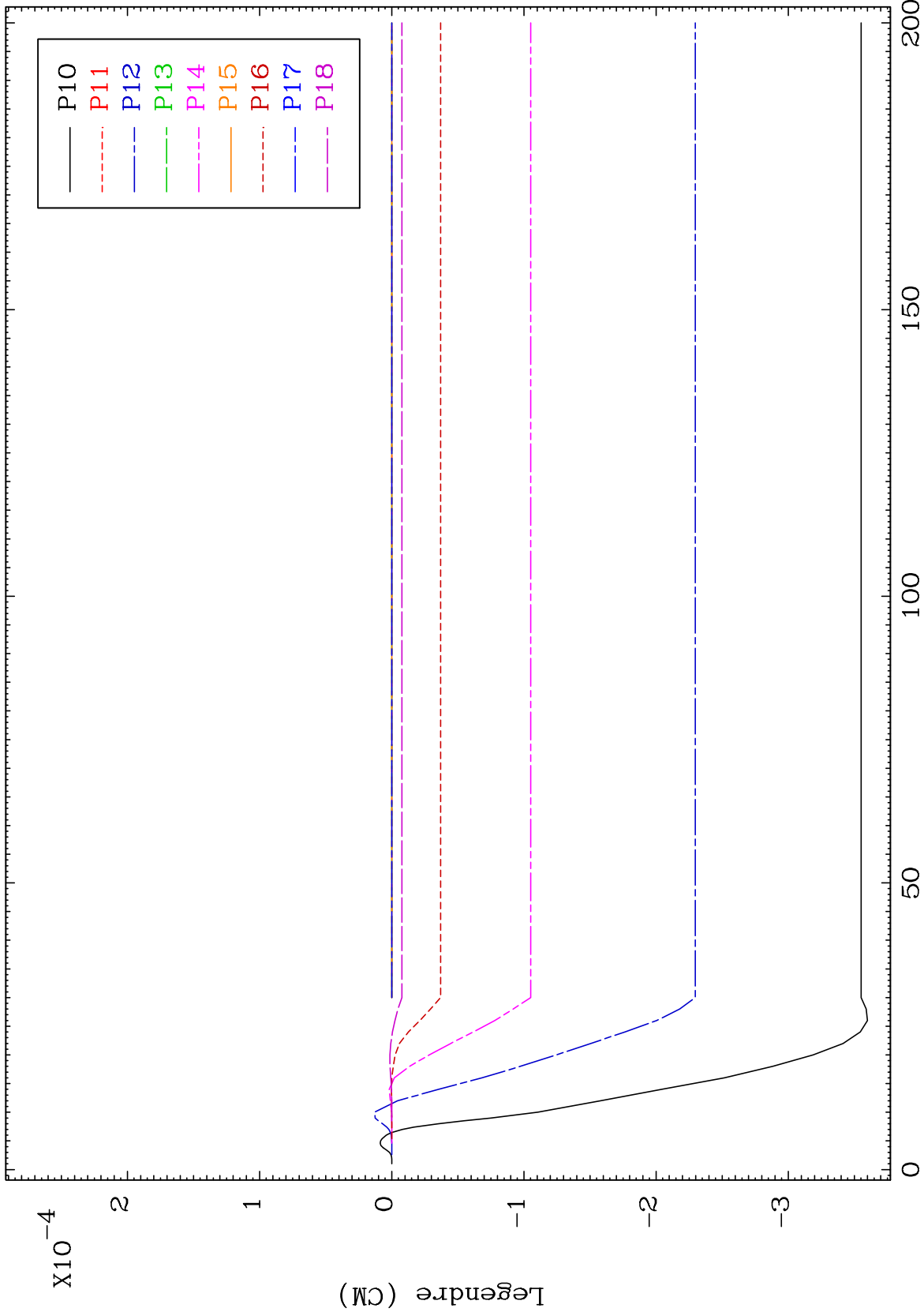
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



34

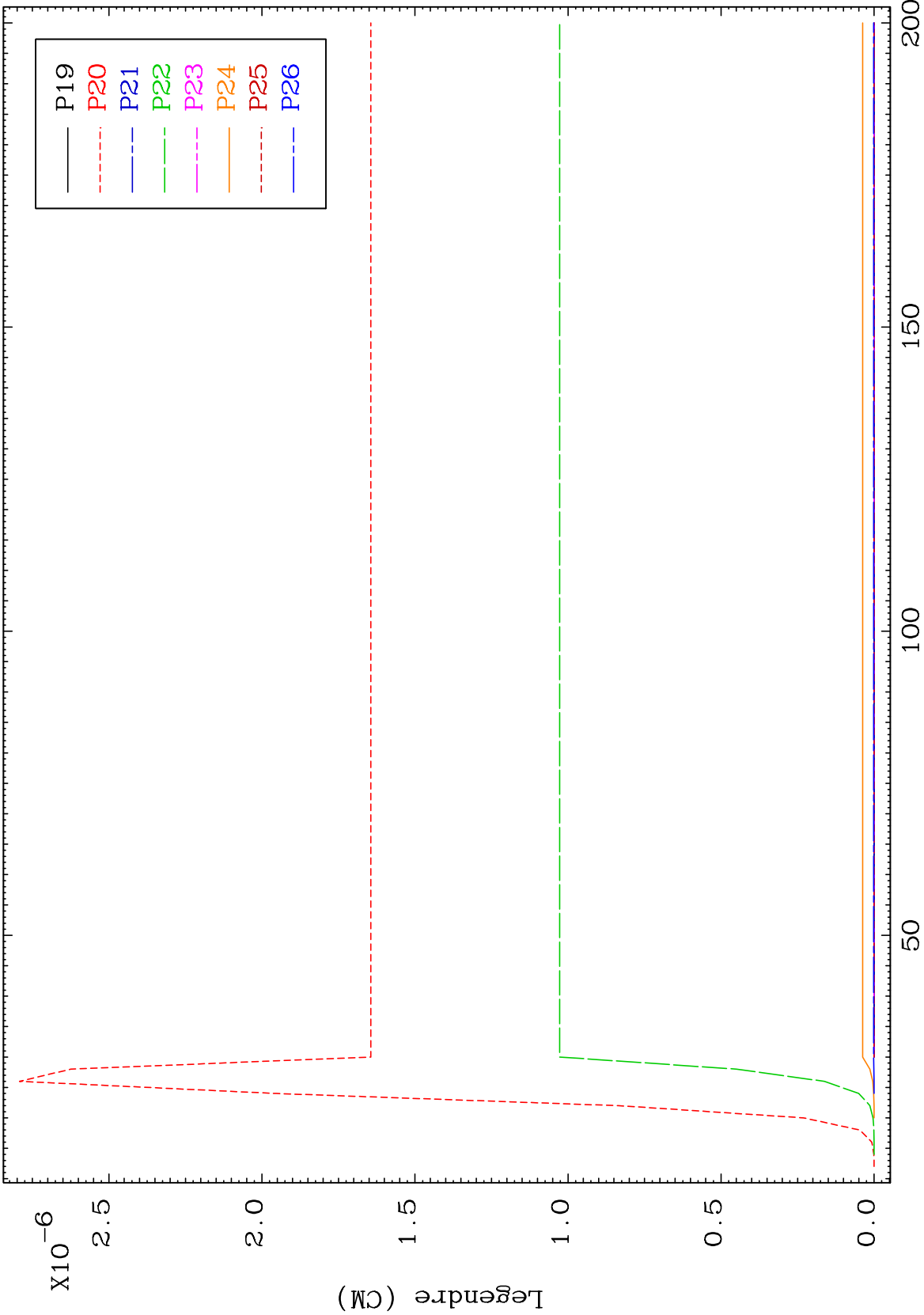
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



35

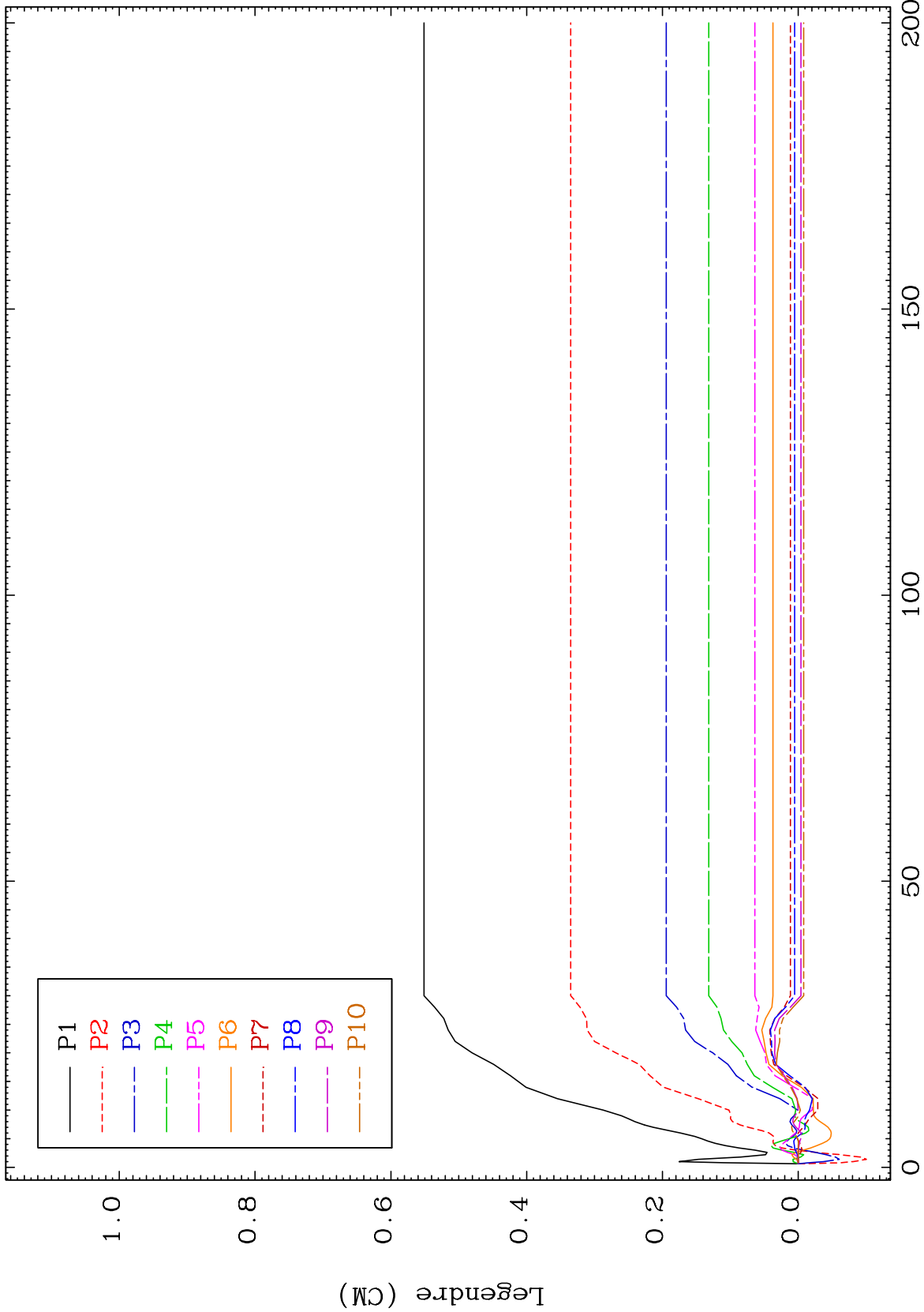
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



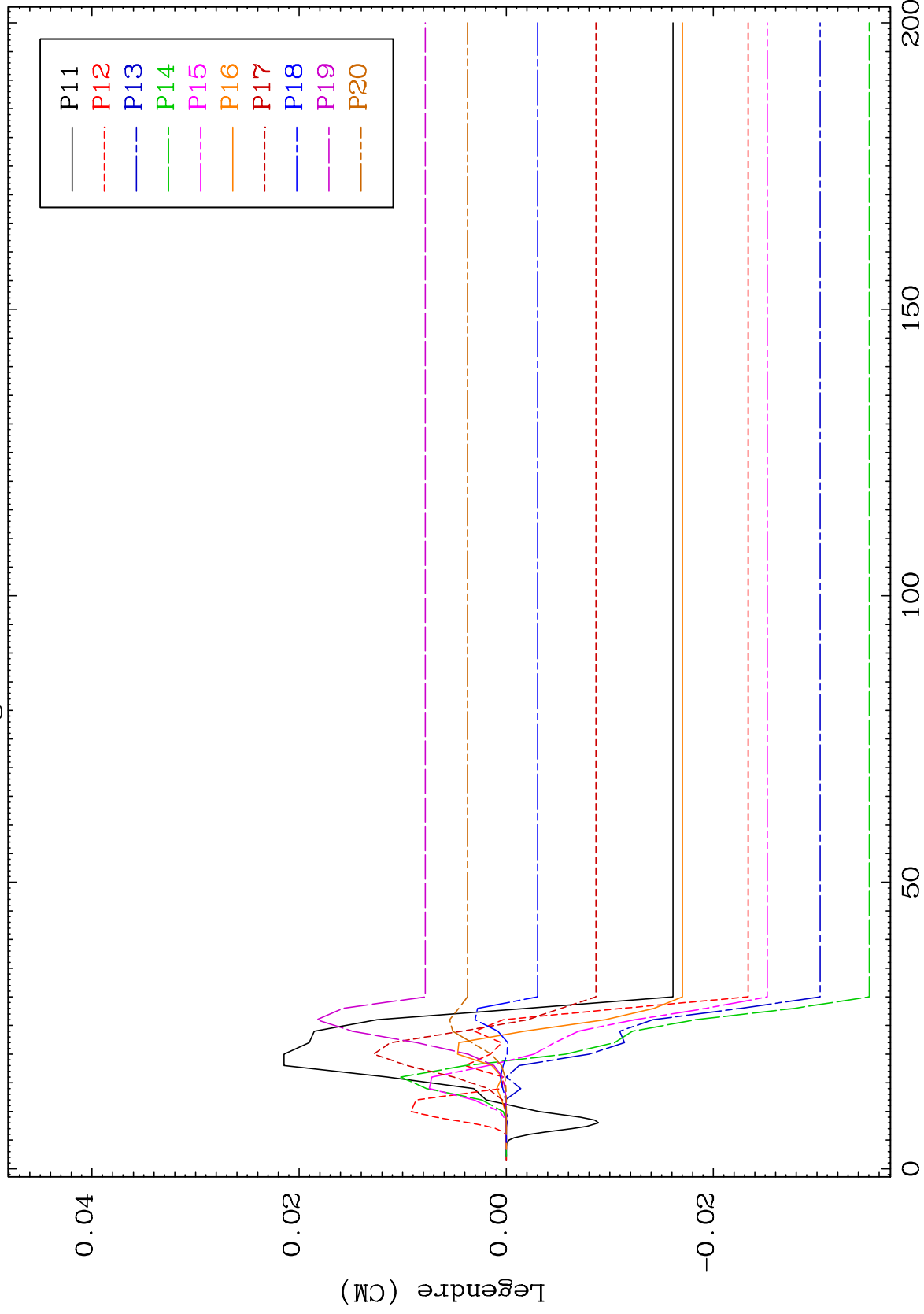
36

83-Bi-202

MAT 8304

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

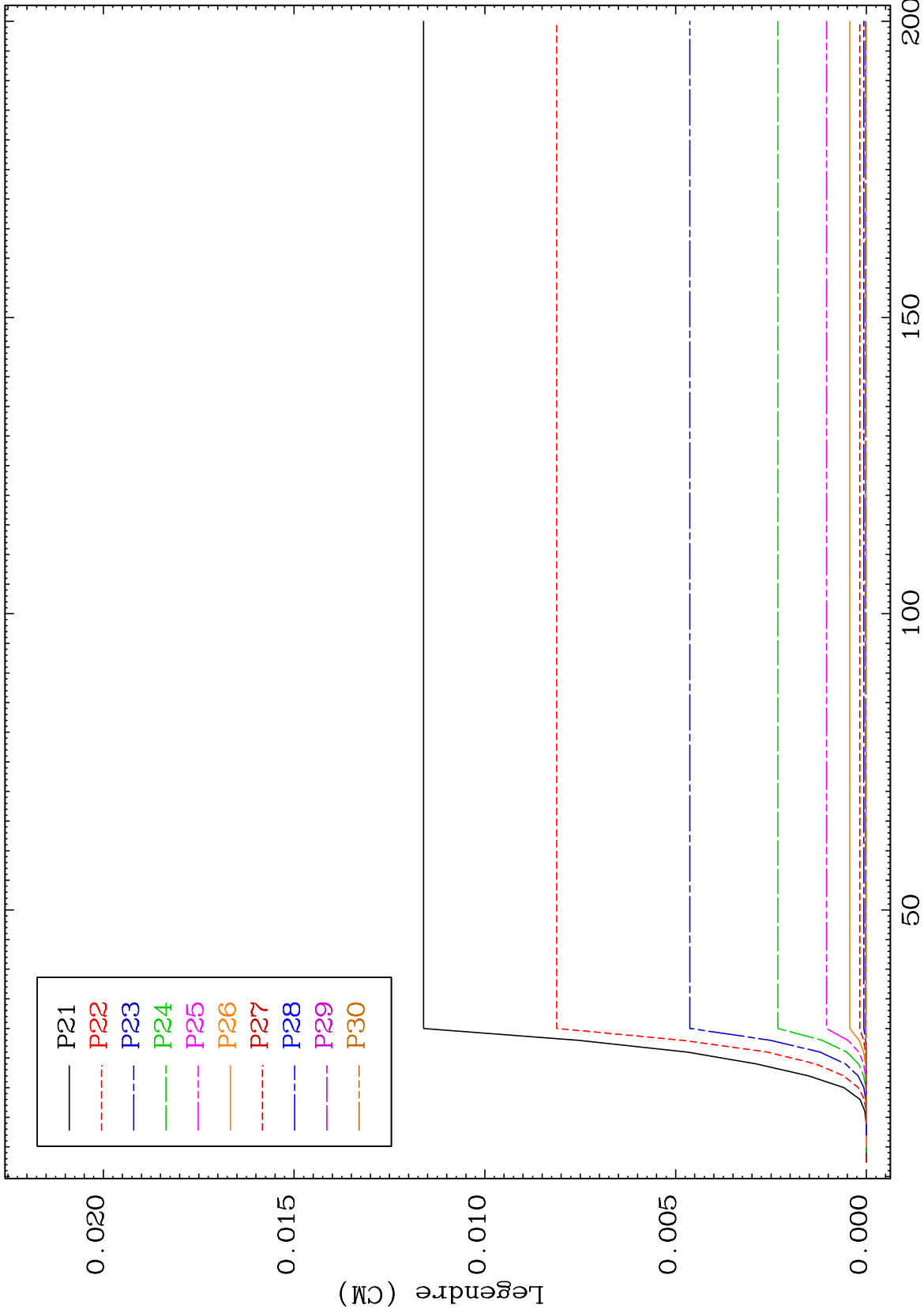
83-Bi-202



37

Incident Energy (MeV)

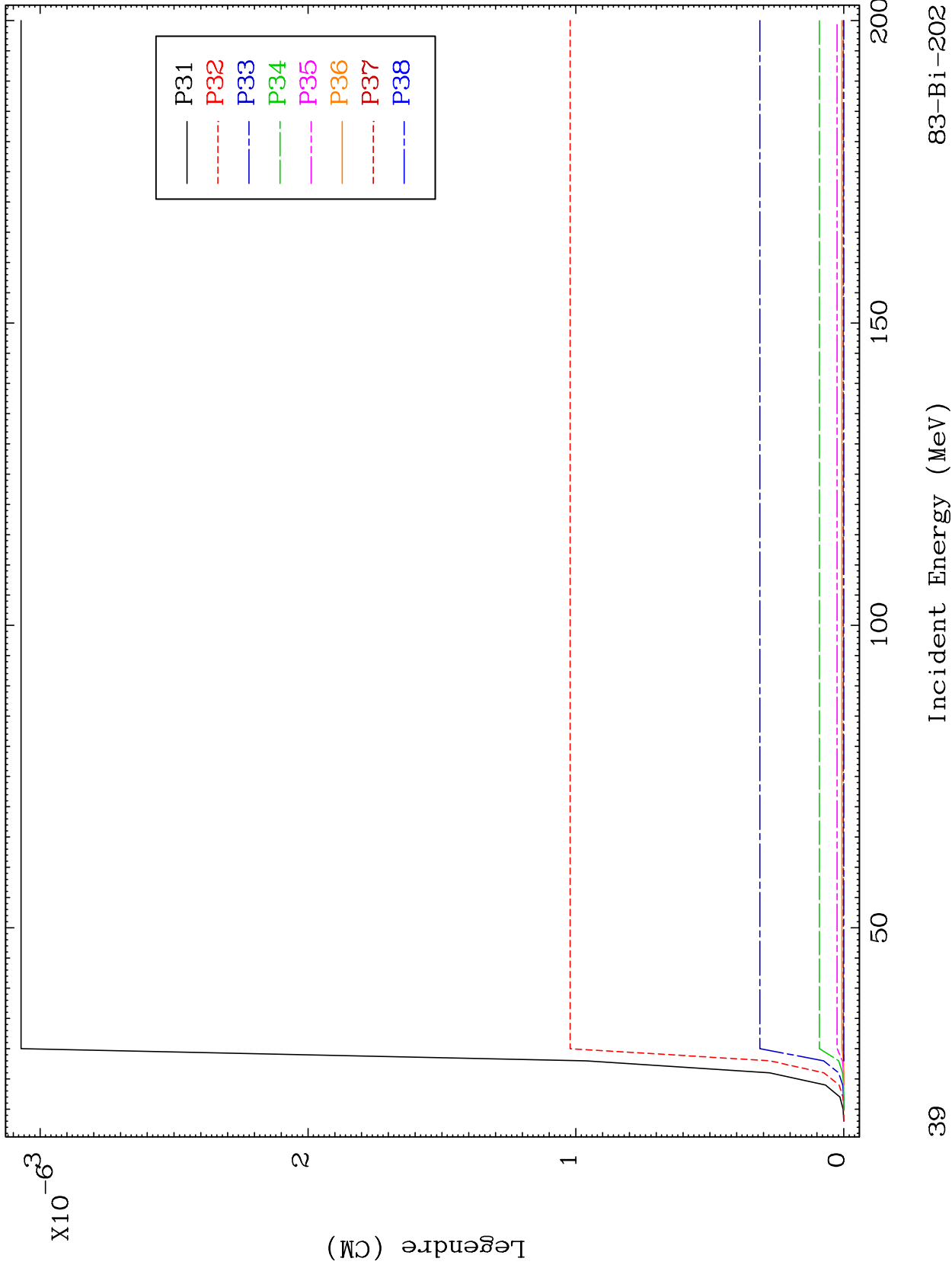
83-Bi-202



MAT 8304

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

83-Bi-202



39

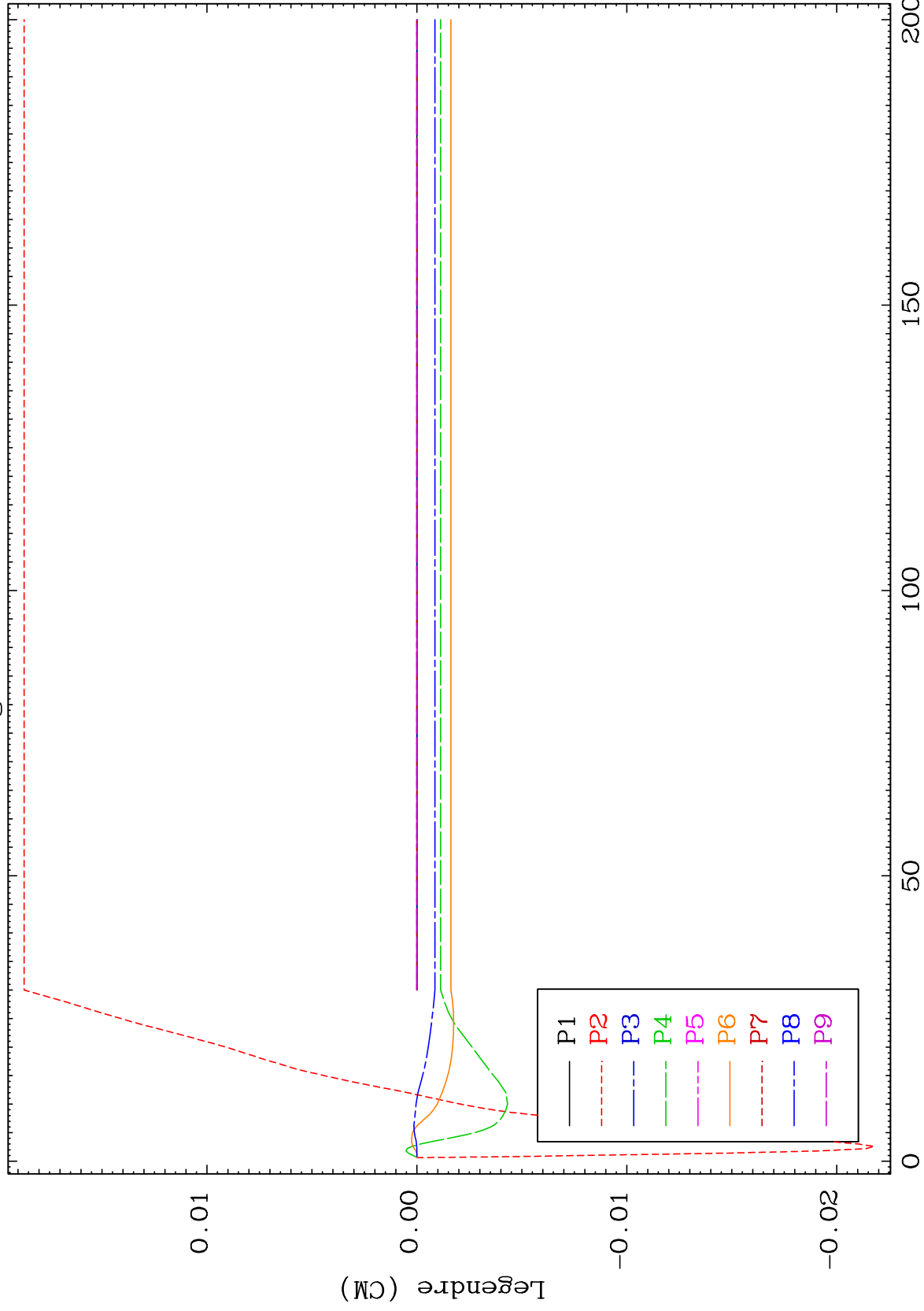
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



40

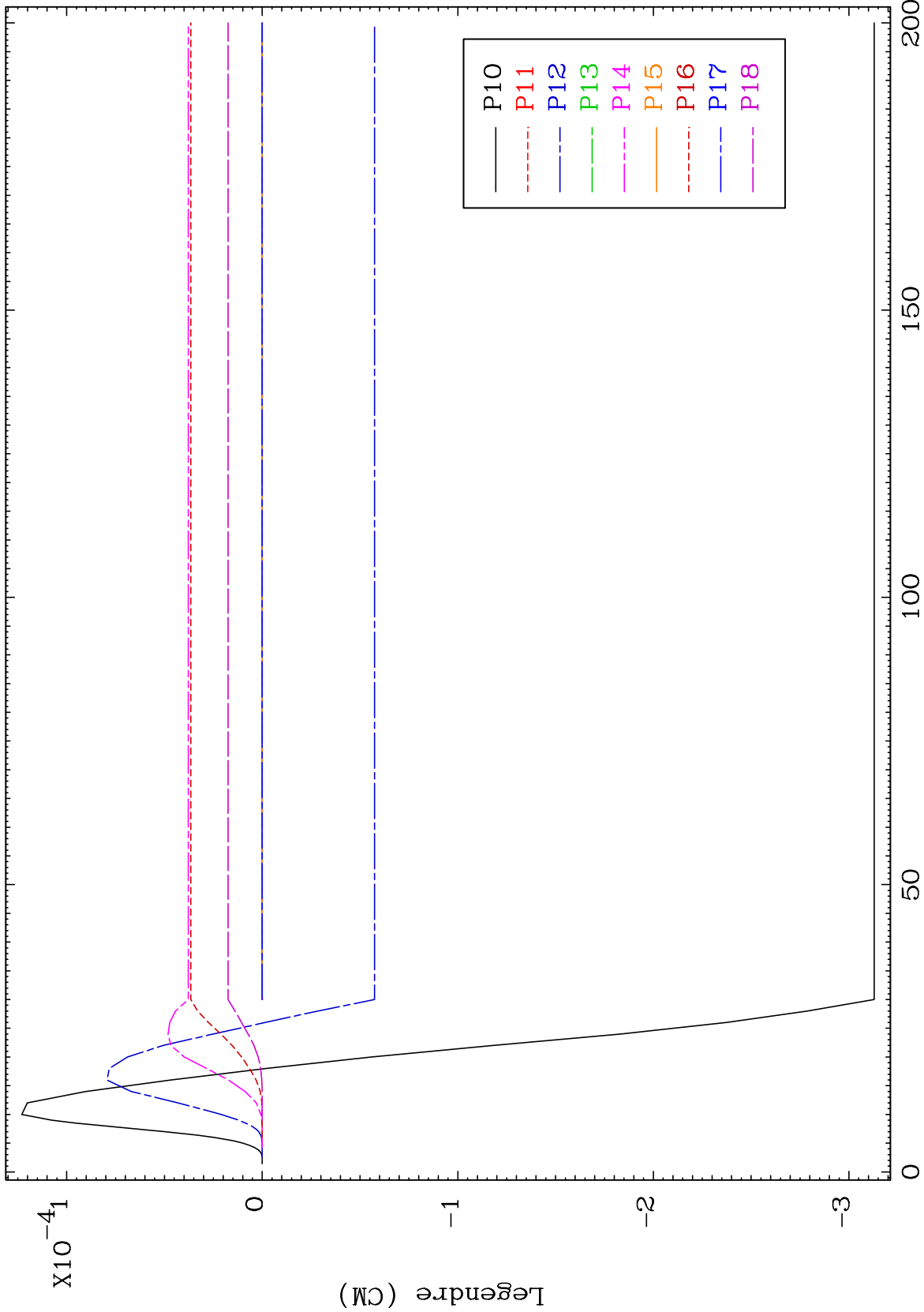
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



41

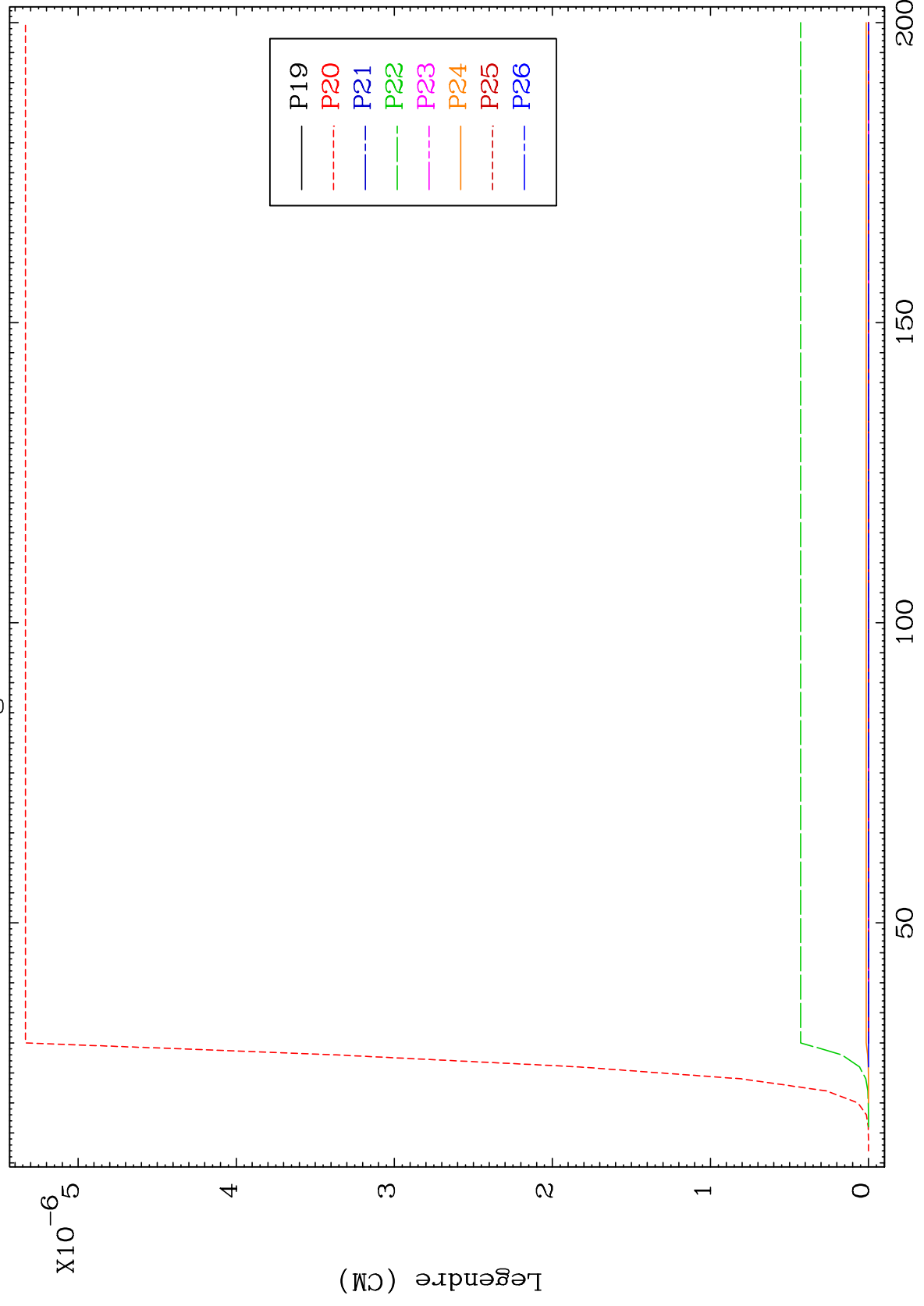
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



42

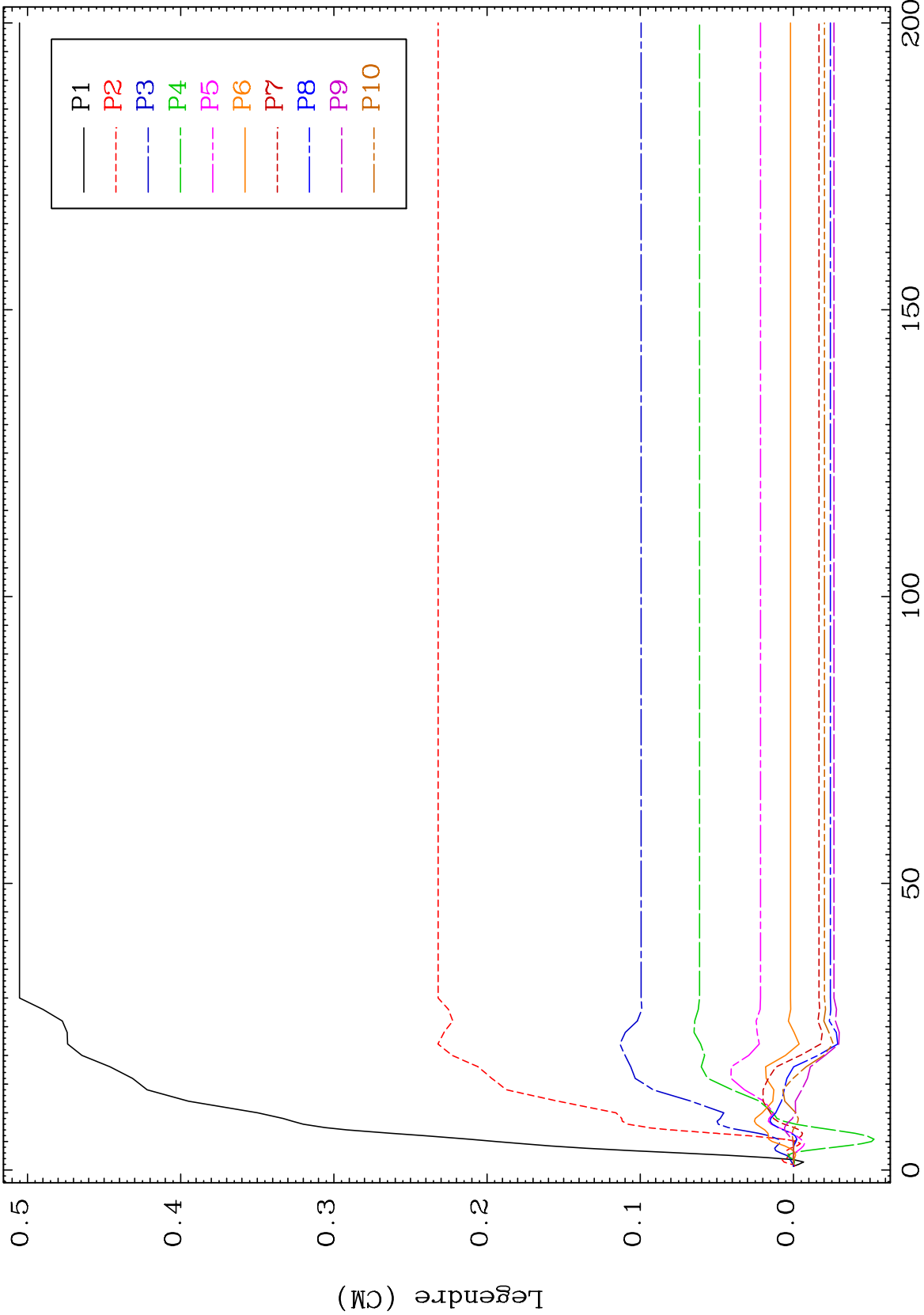
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



83-Bi-202

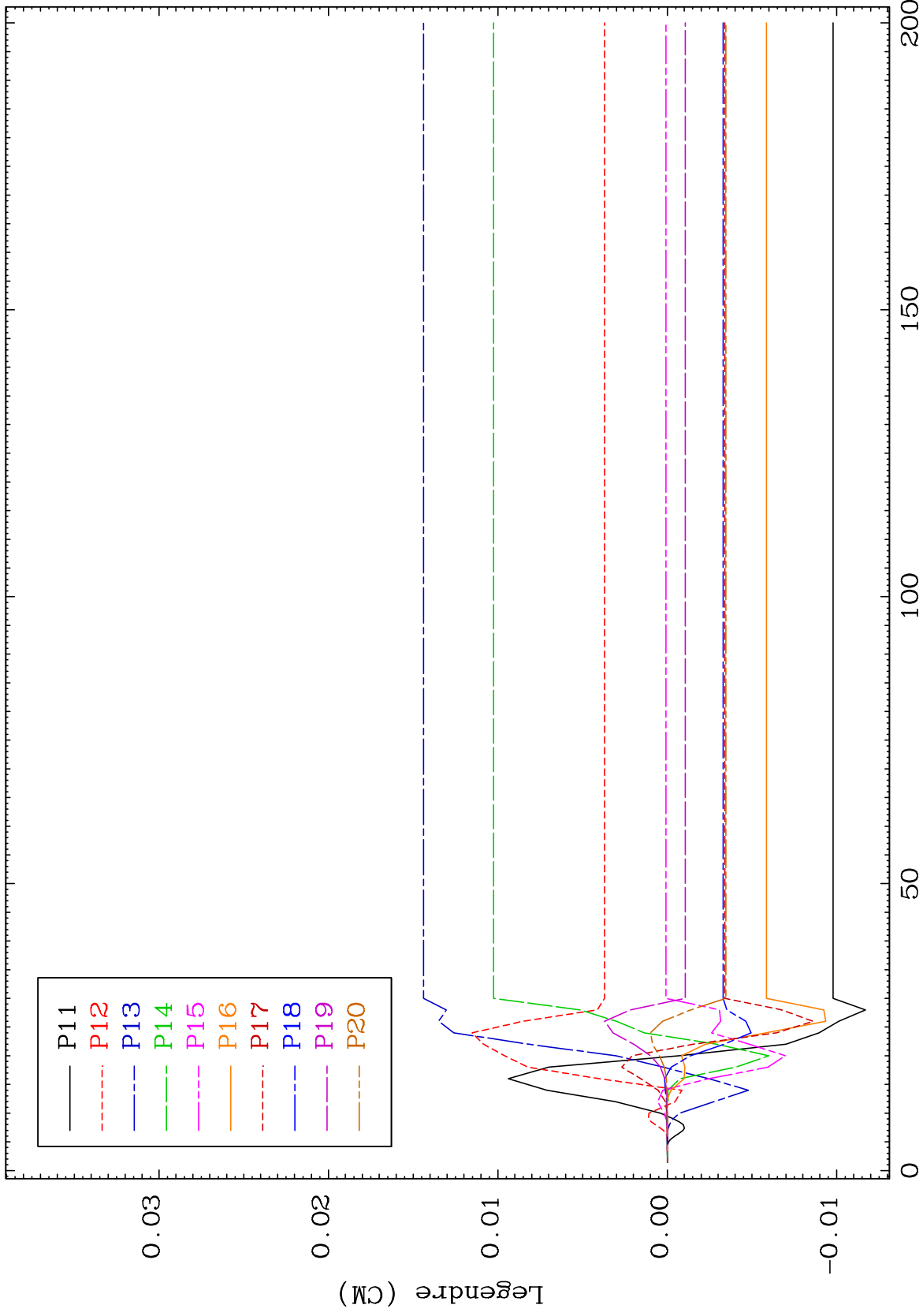
Incident Energy (MeV)

43

MAT 8304

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

83-Bi-202



44

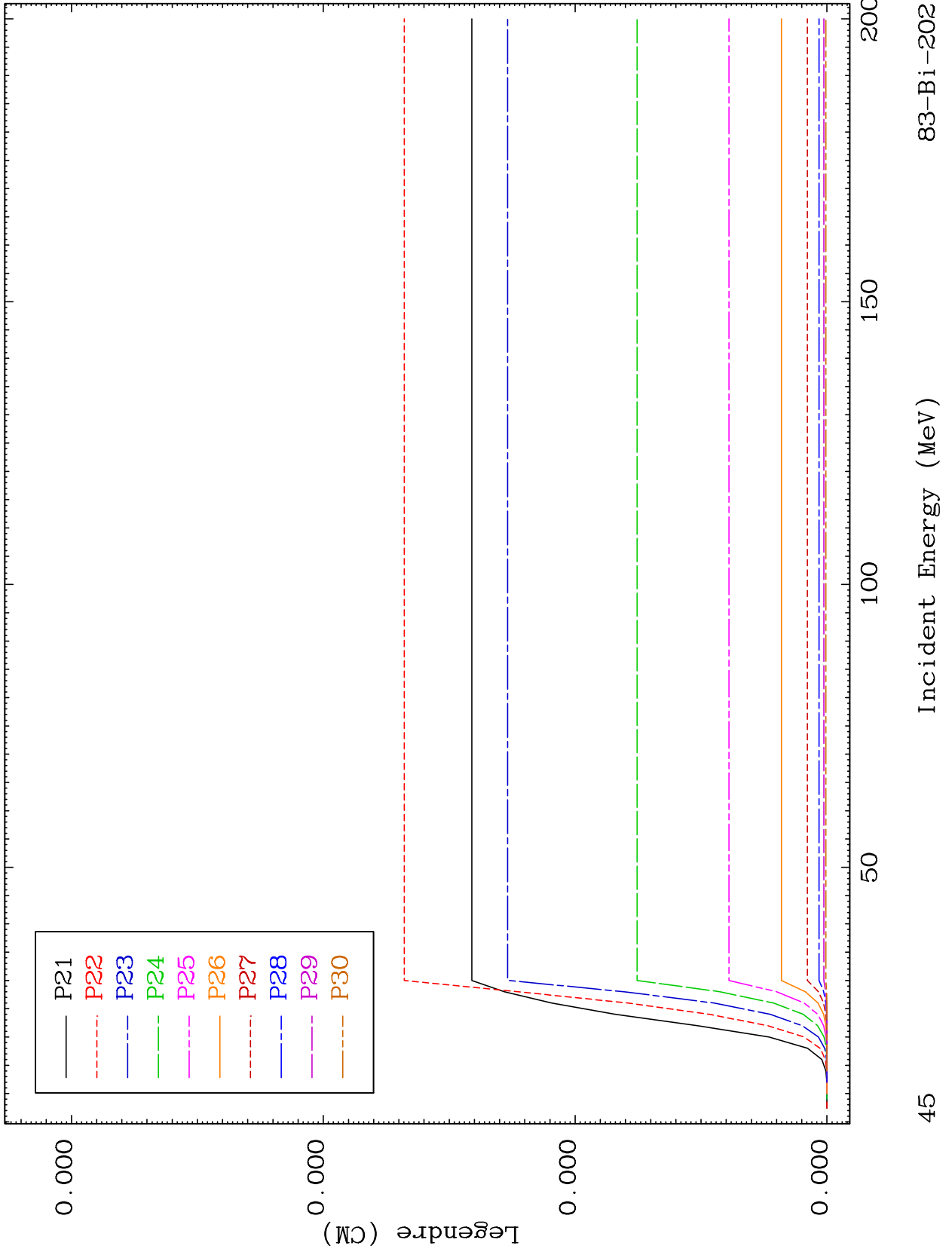
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



45

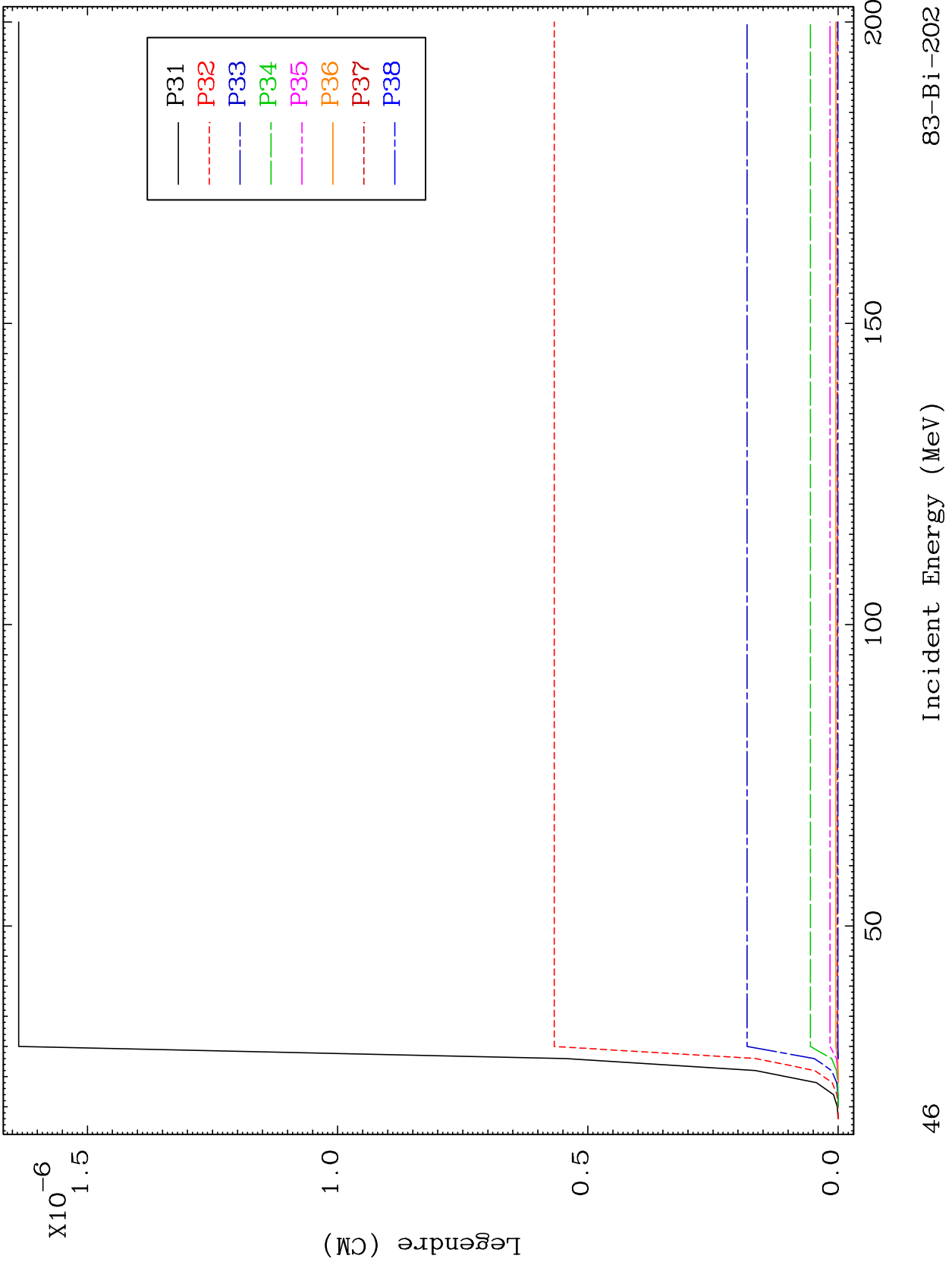
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



46

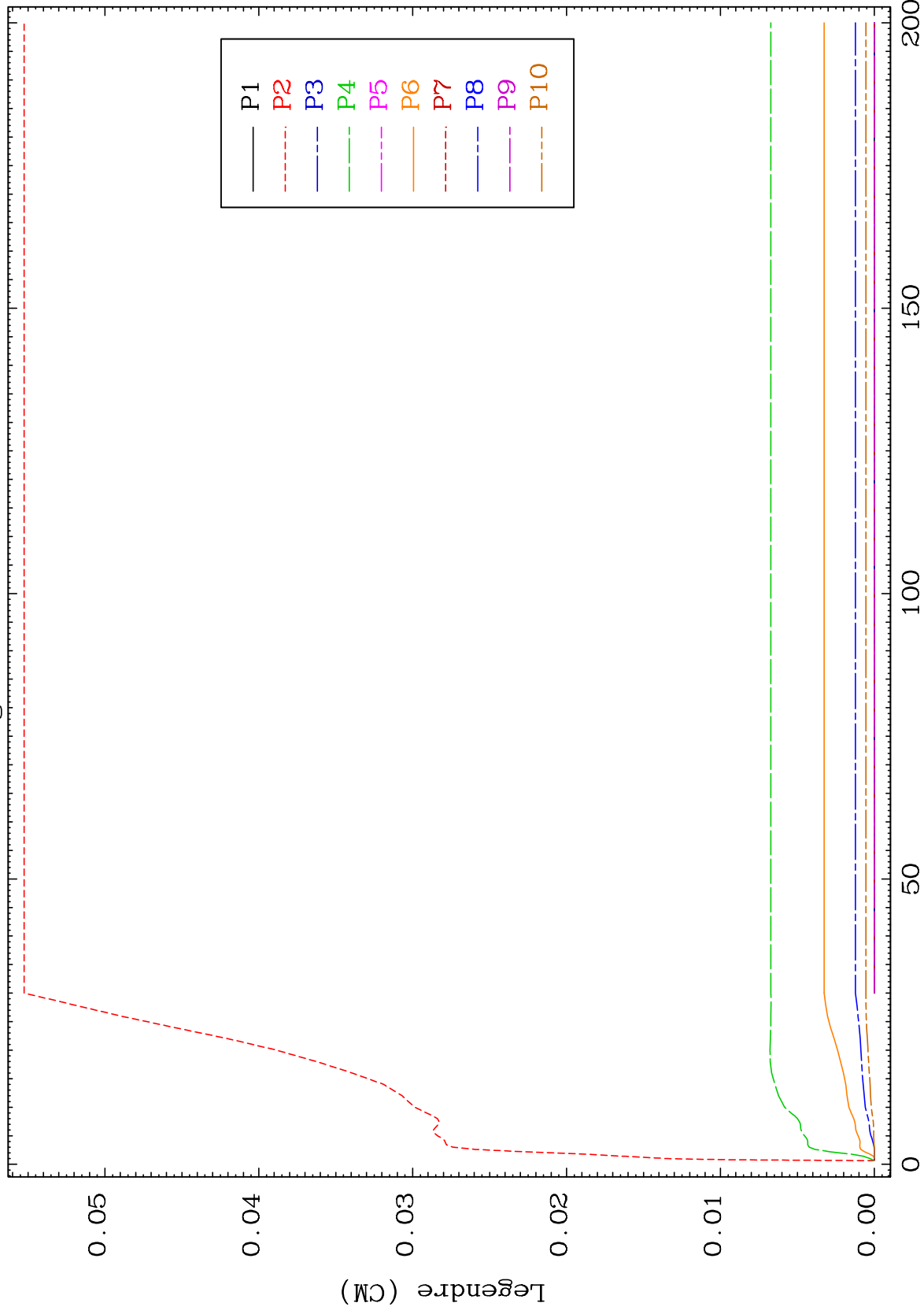
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



47

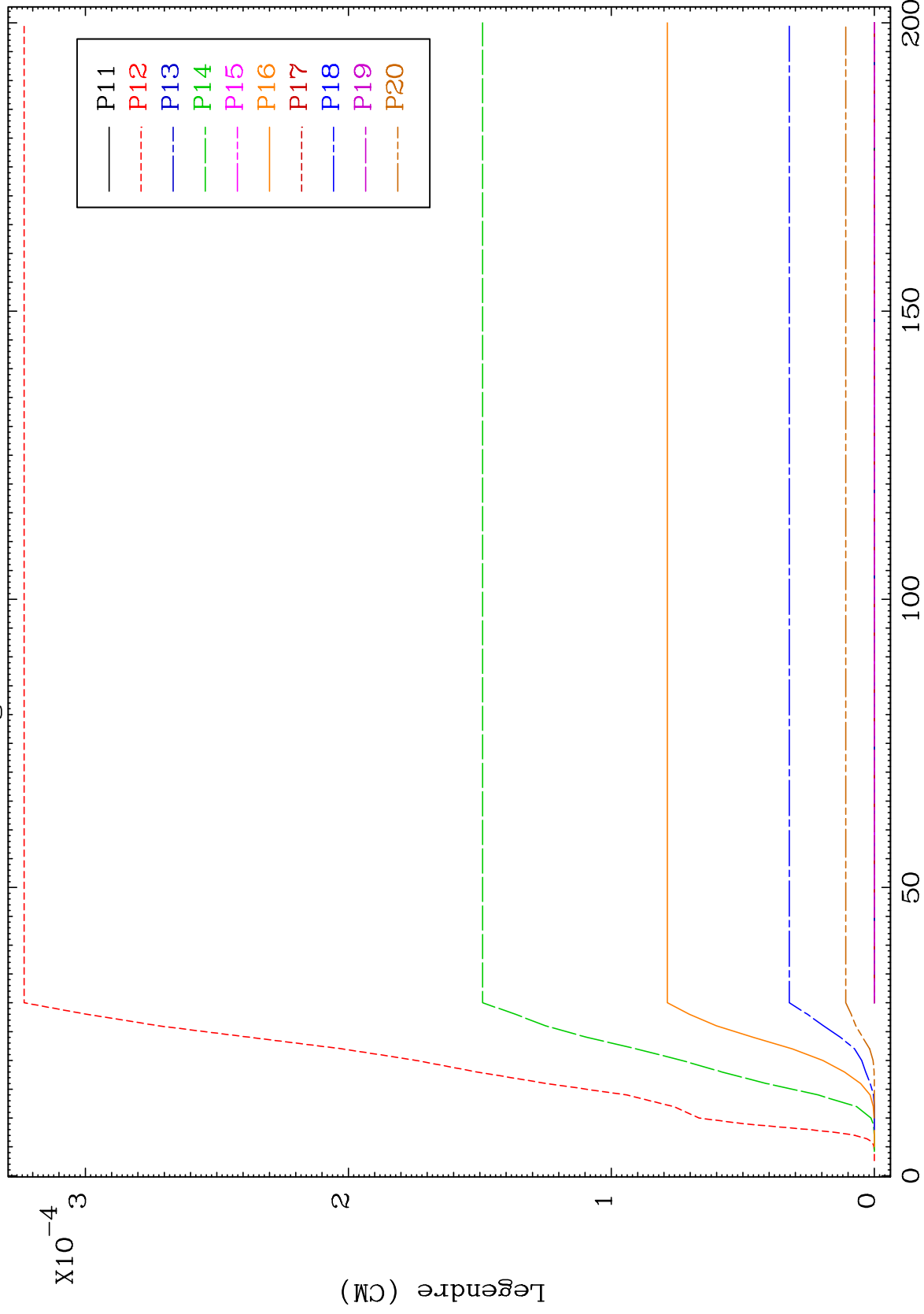
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



48

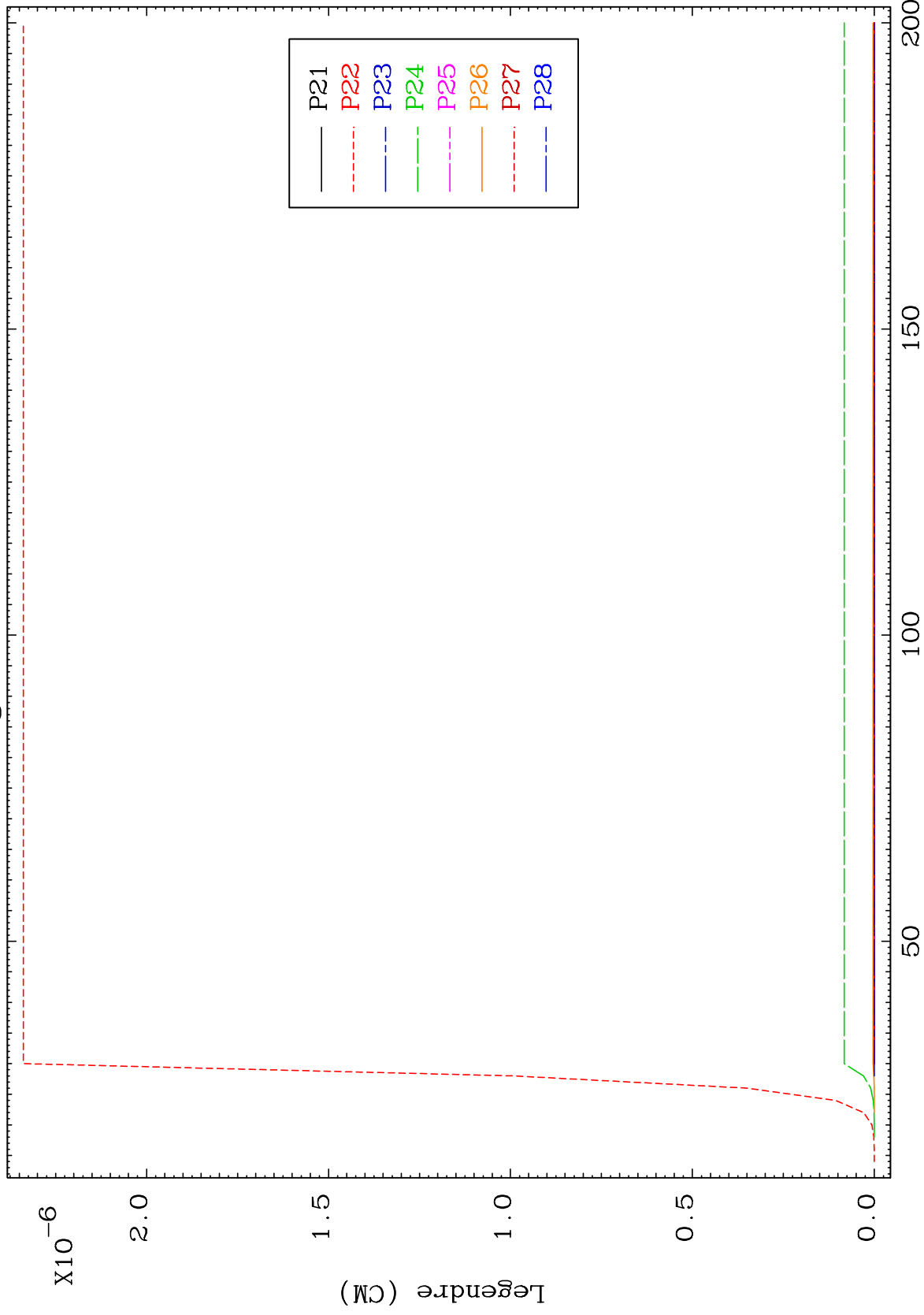
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



49

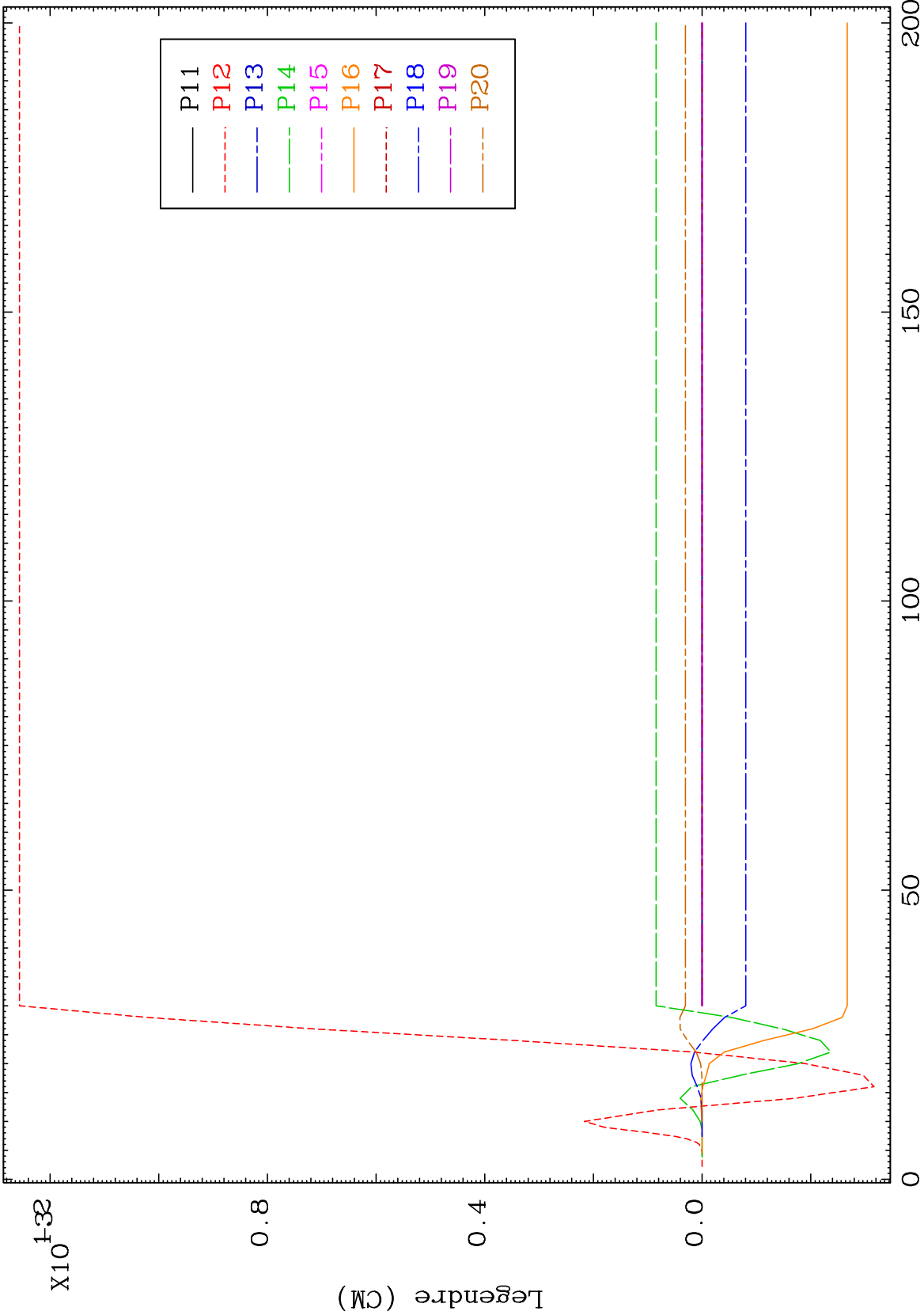
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

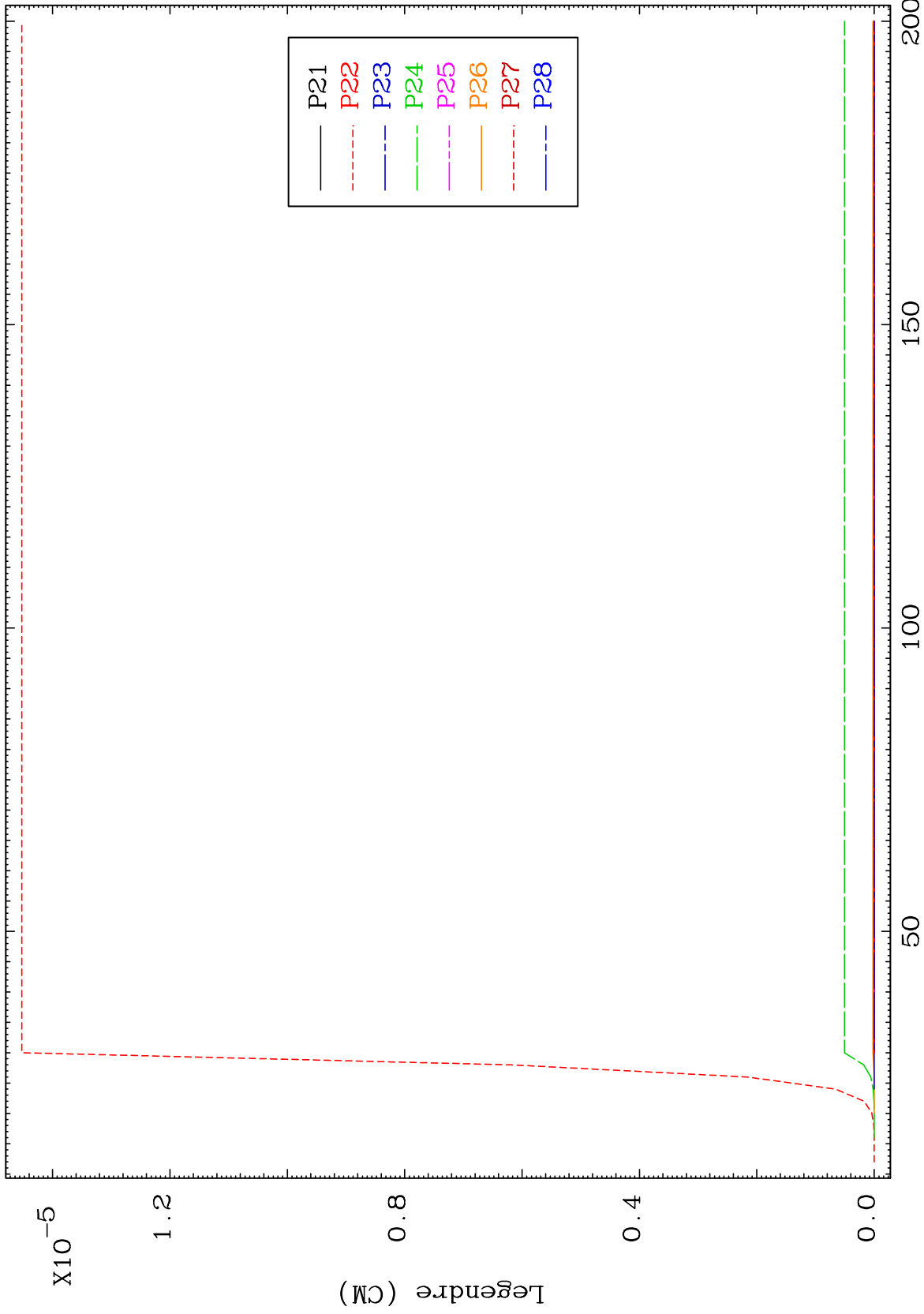
83-Bi-202



MAT 8304

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

83-Bi-202



52

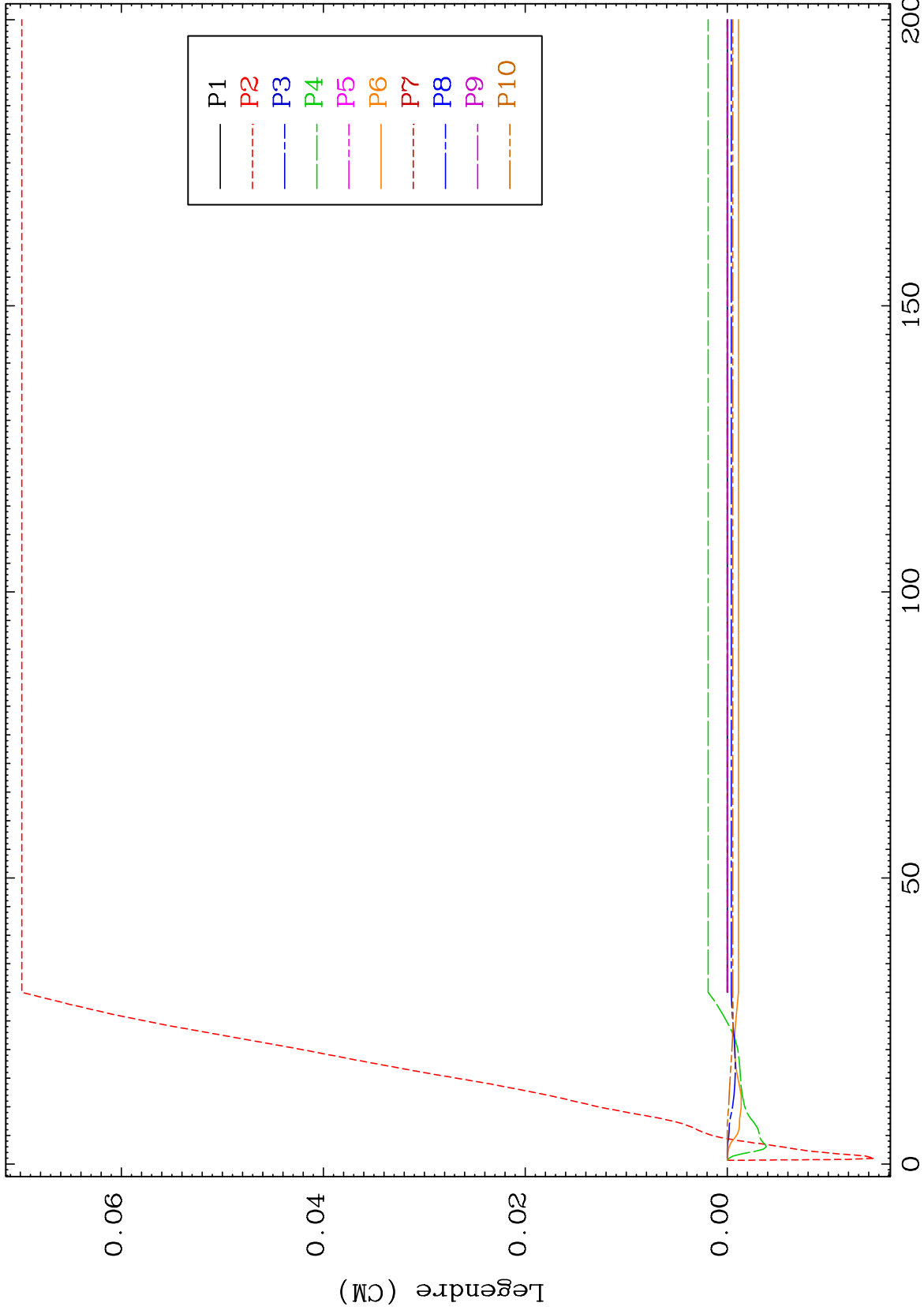
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



53

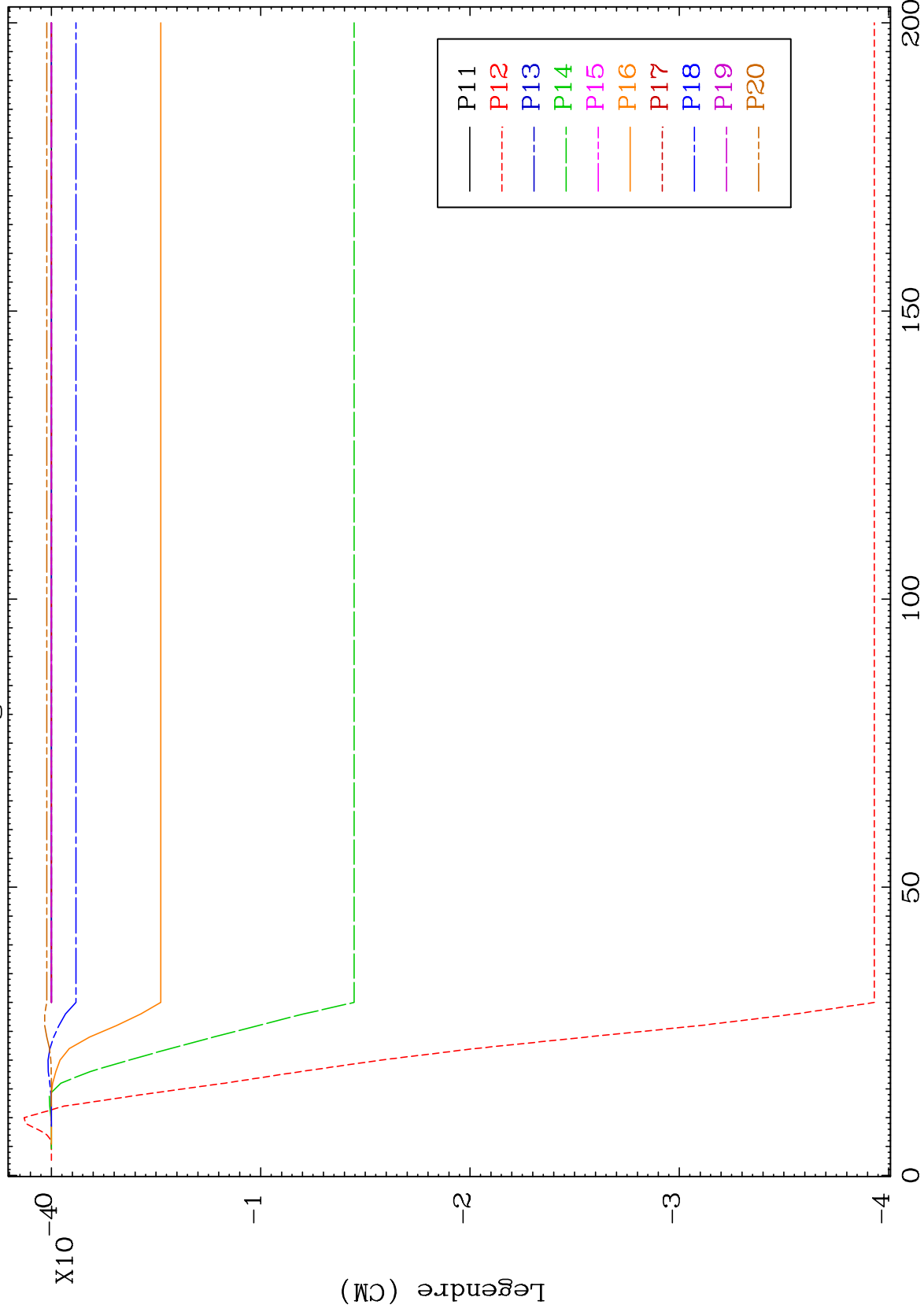
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



54

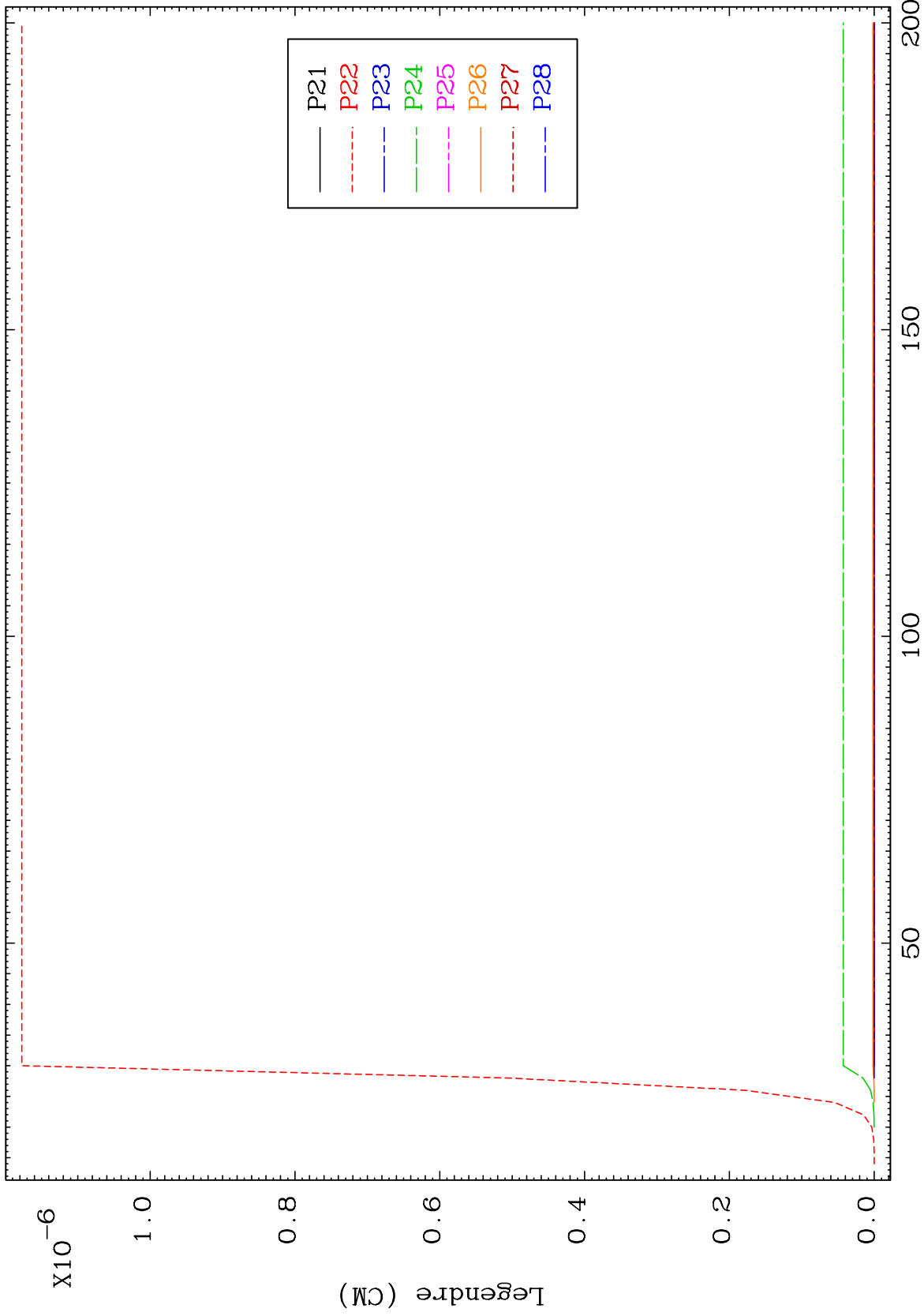
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



55

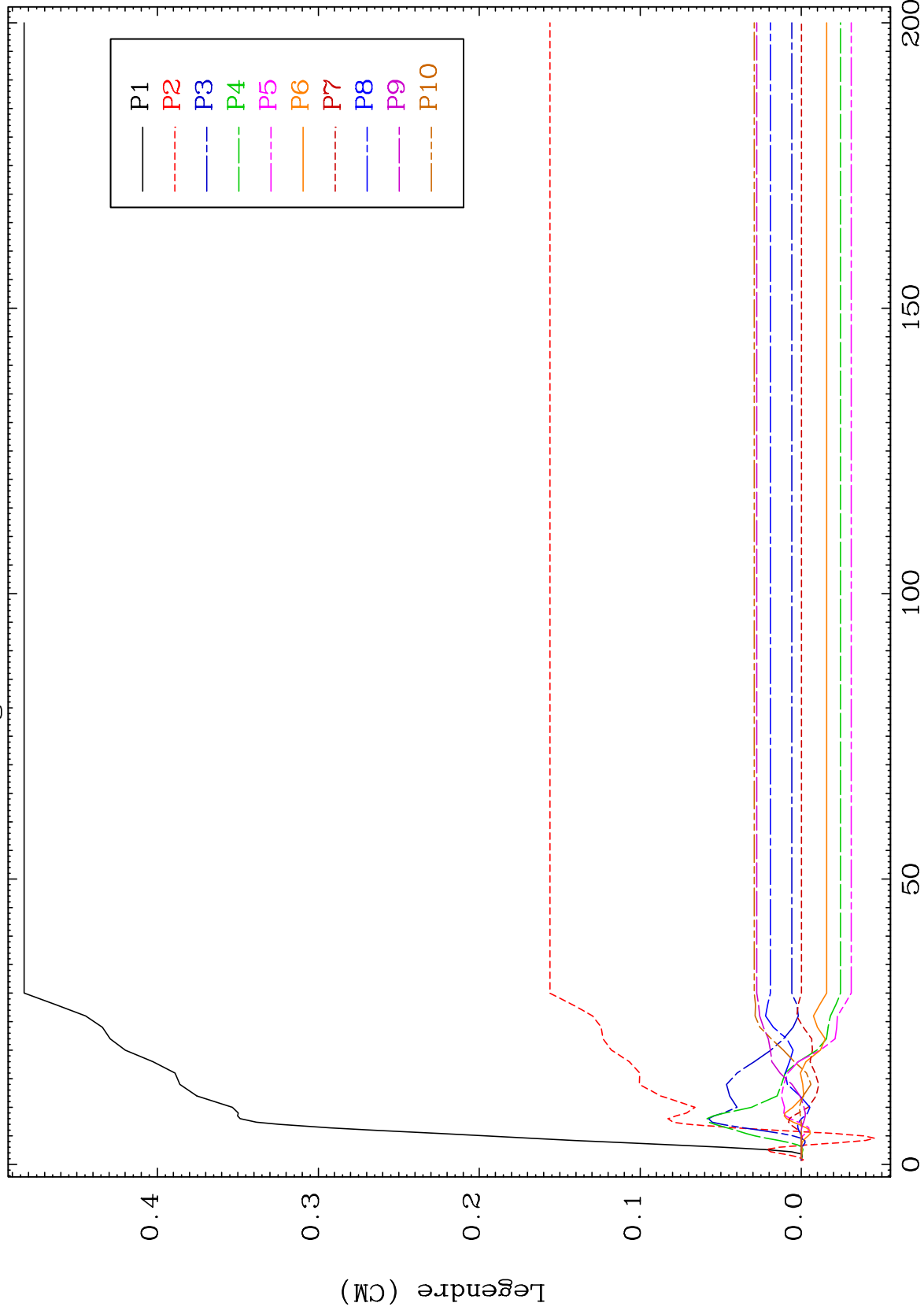
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



56

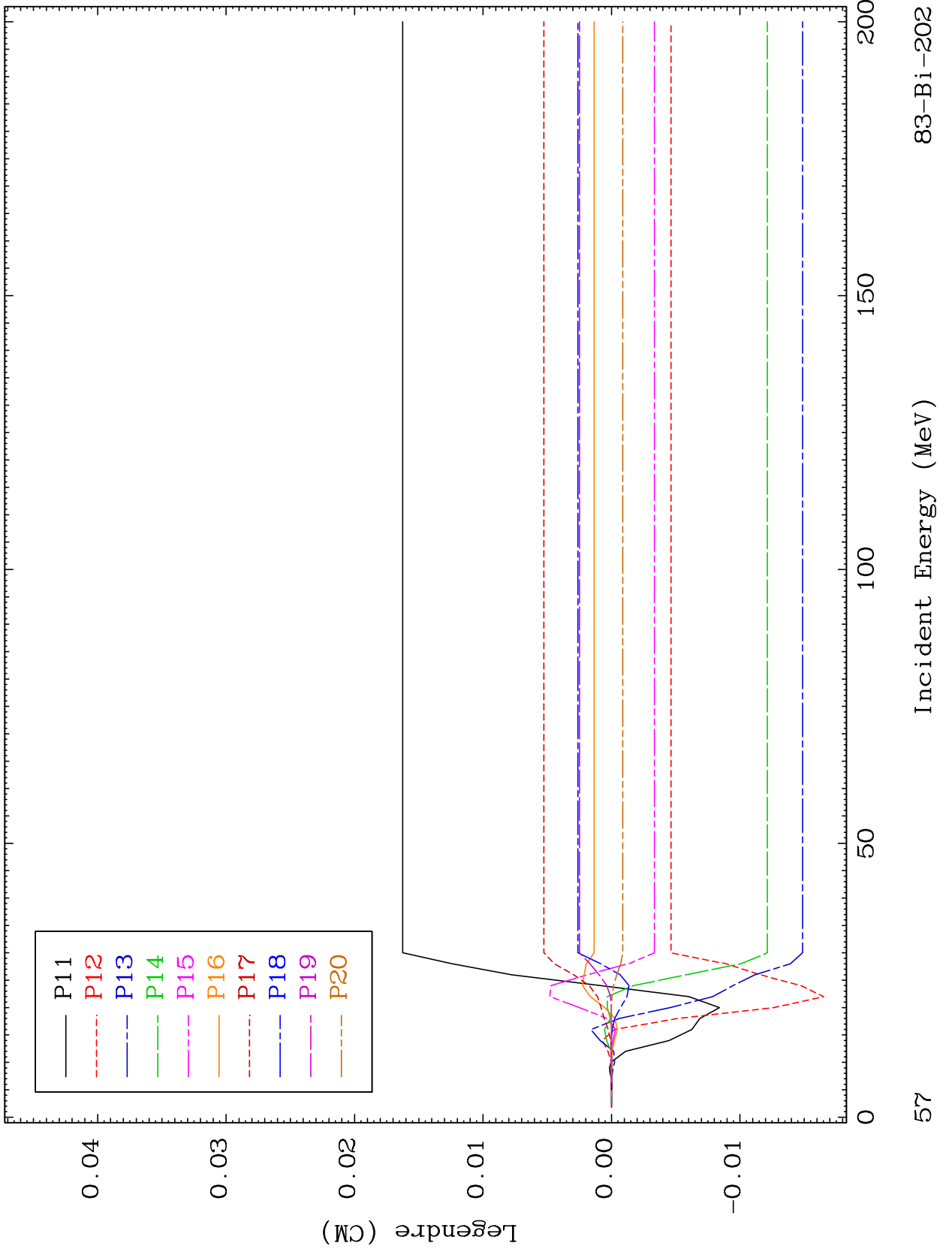
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



57

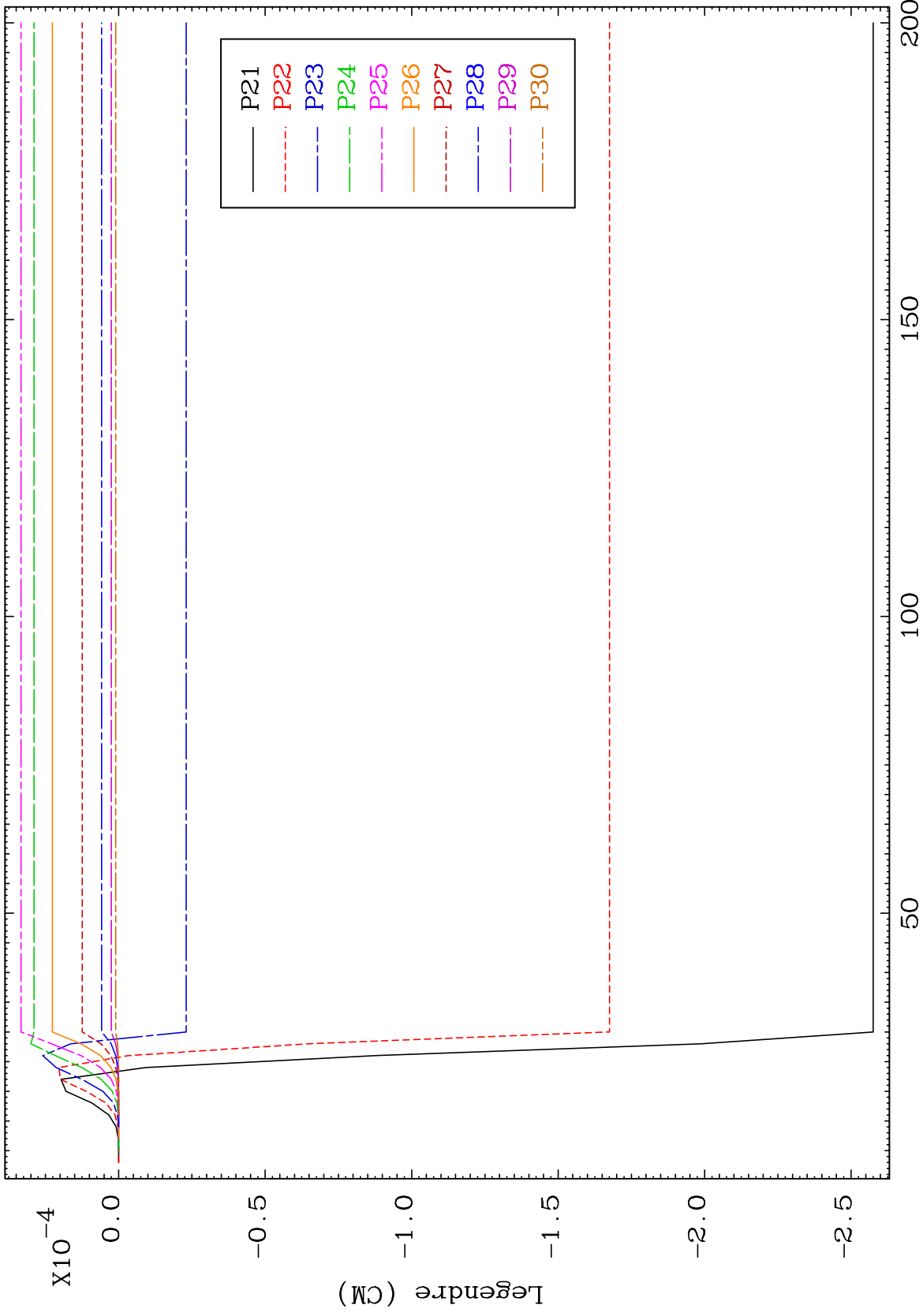
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



58

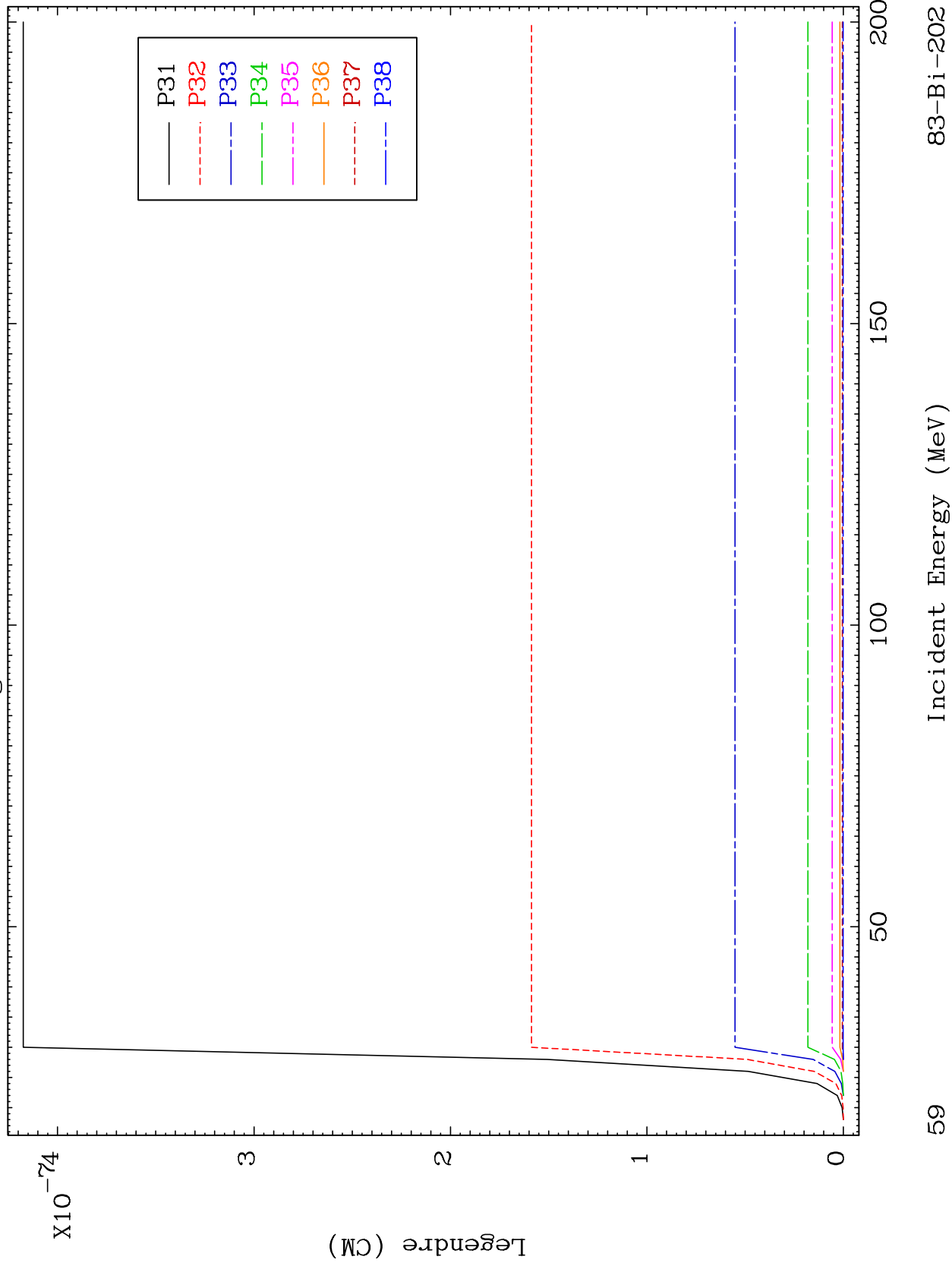
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



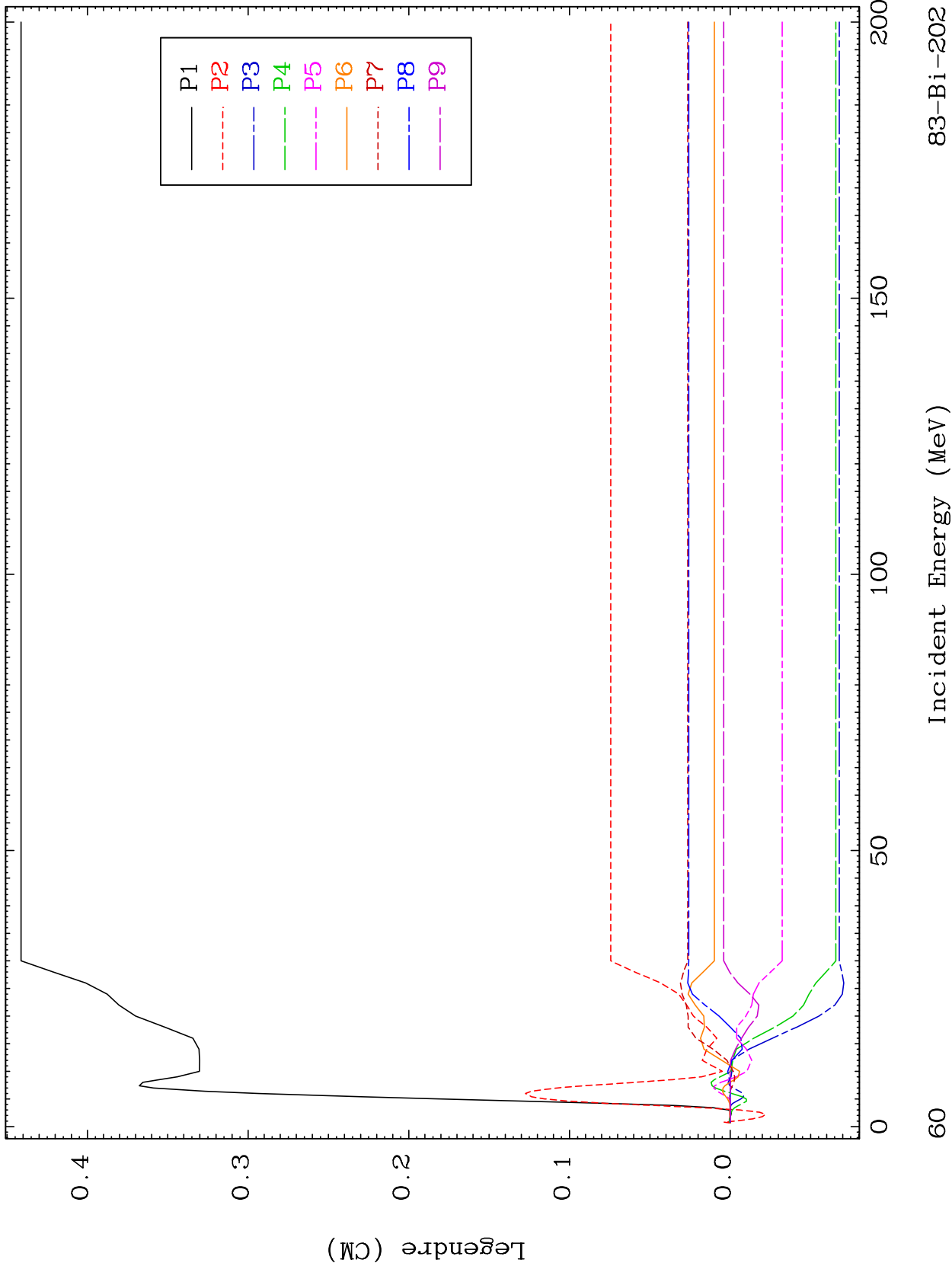
59

83-Bi-202

MAT 8304

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

83-Bi-202



83-Bi-202

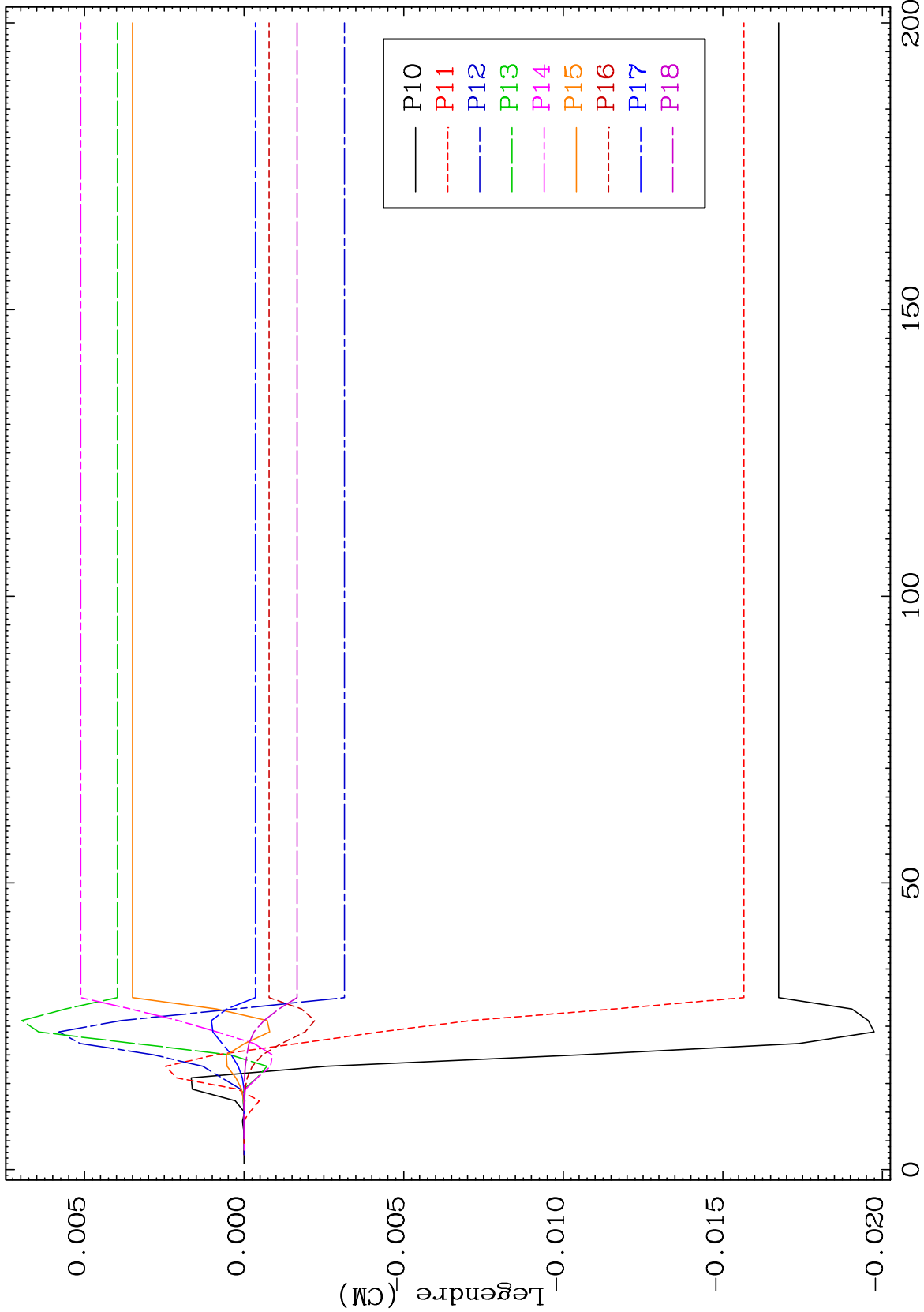
Incident Energy (MeV)

60

MAT 8304

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

83-Bi-202



61

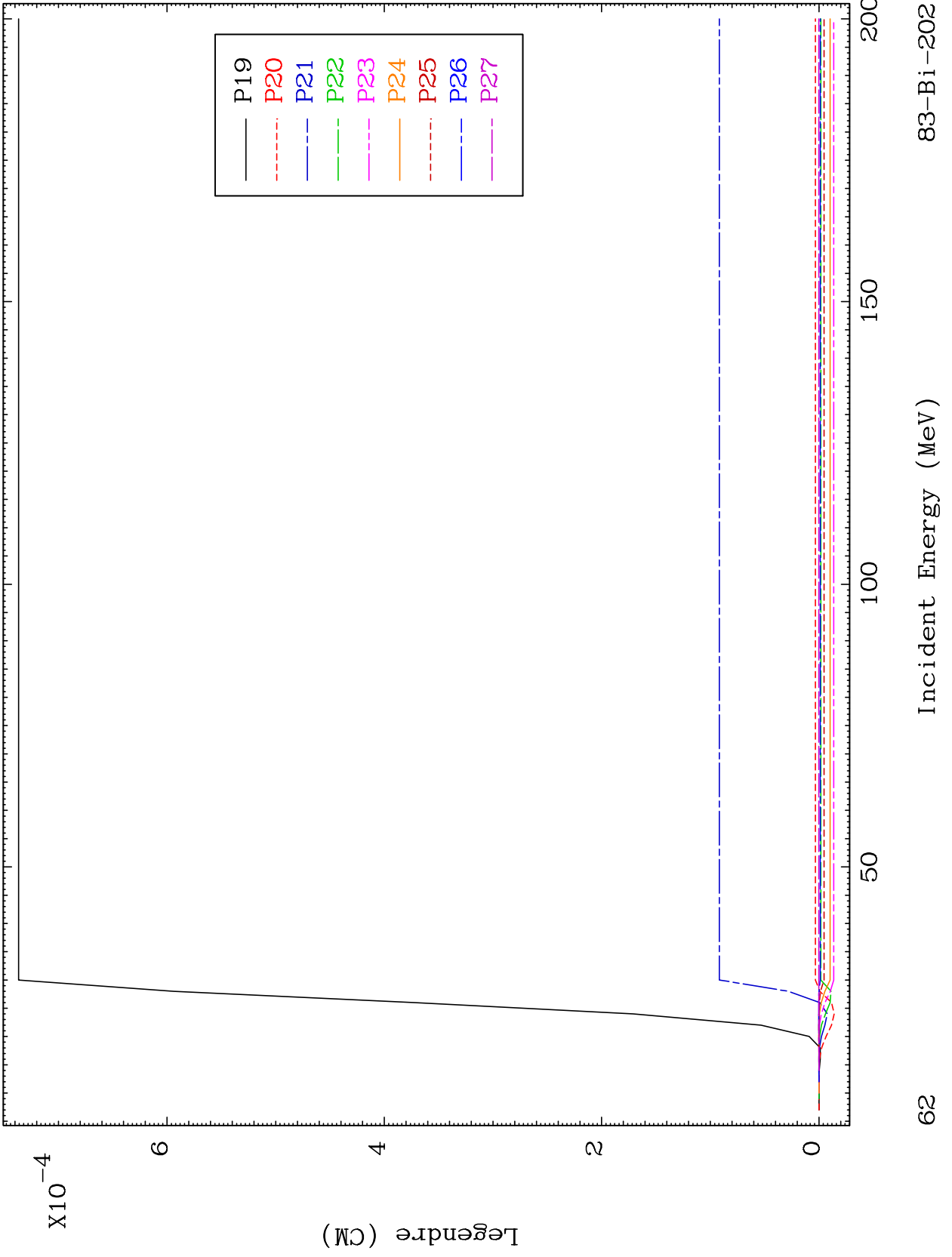
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202

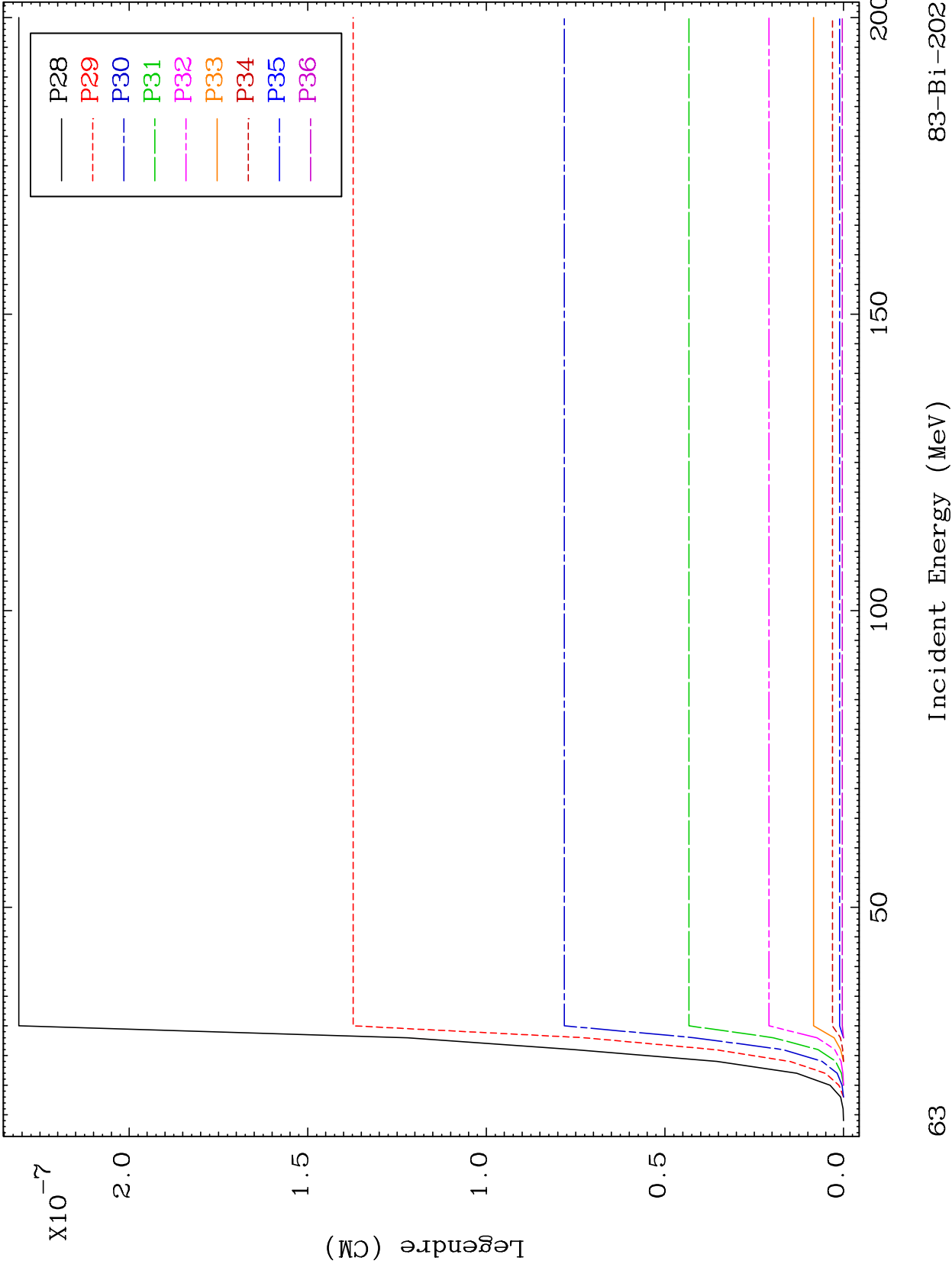


62

MAT 8304

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

83-Bi-202



63

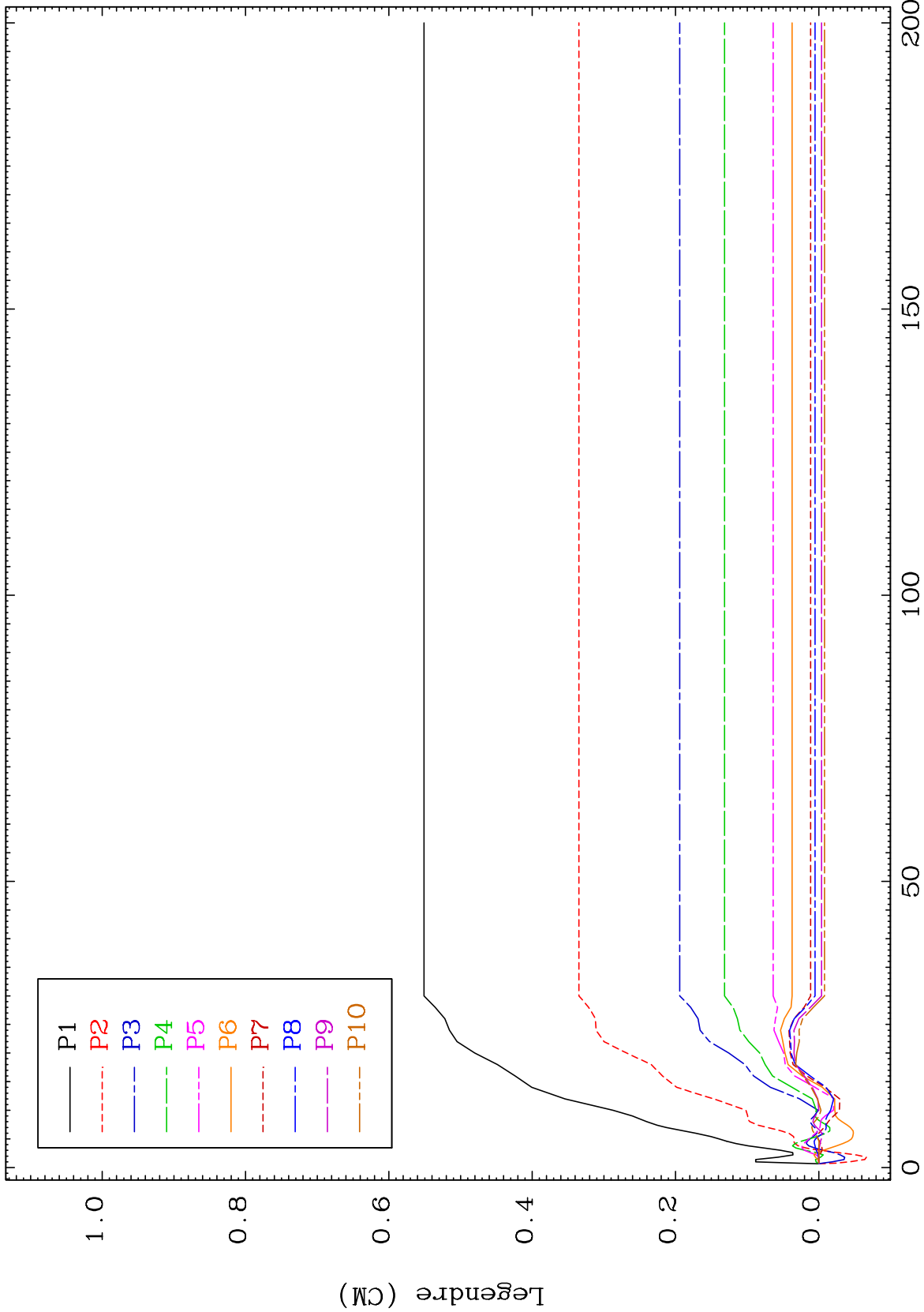
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

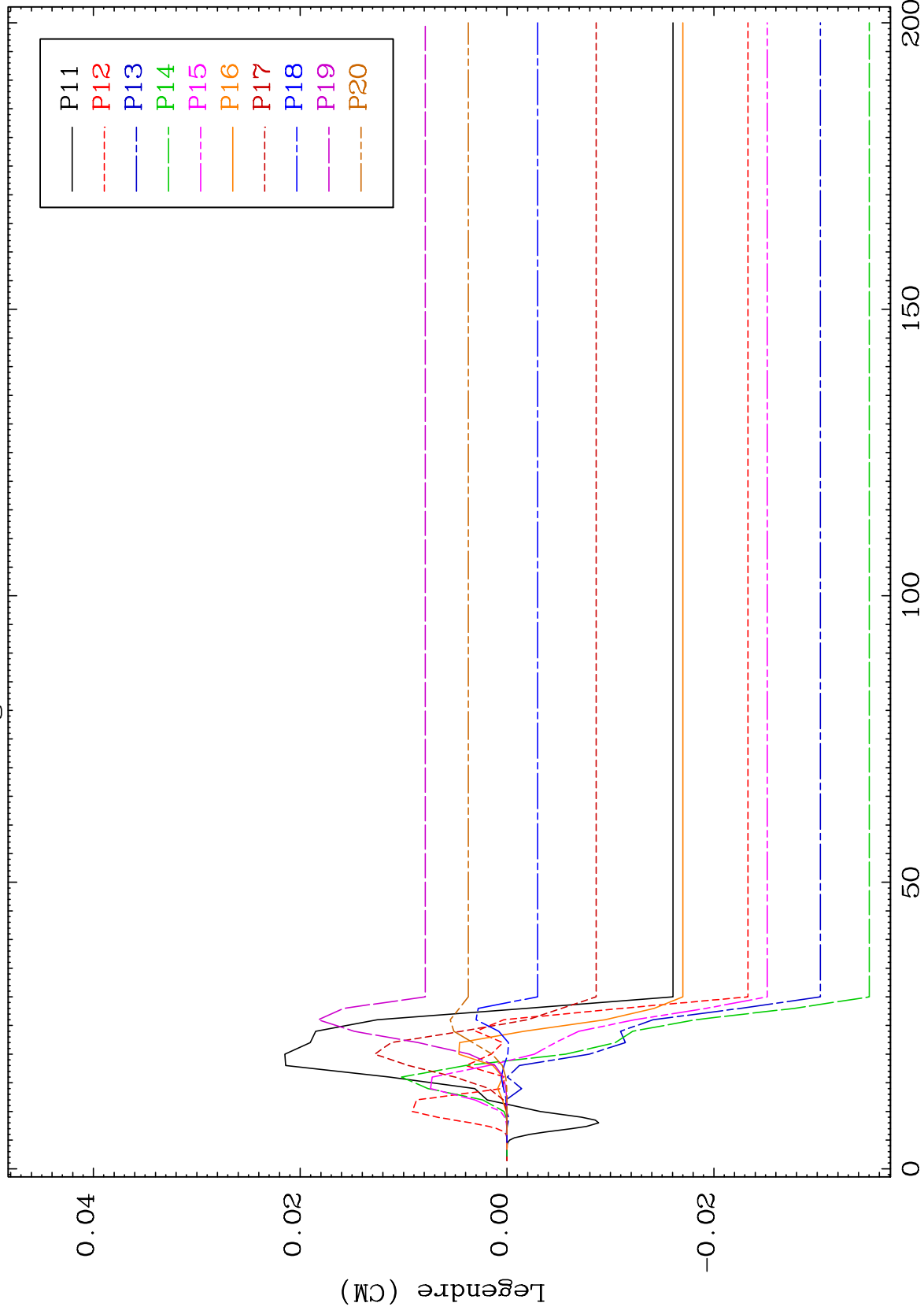
83-Bi-202



MAT 8304

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

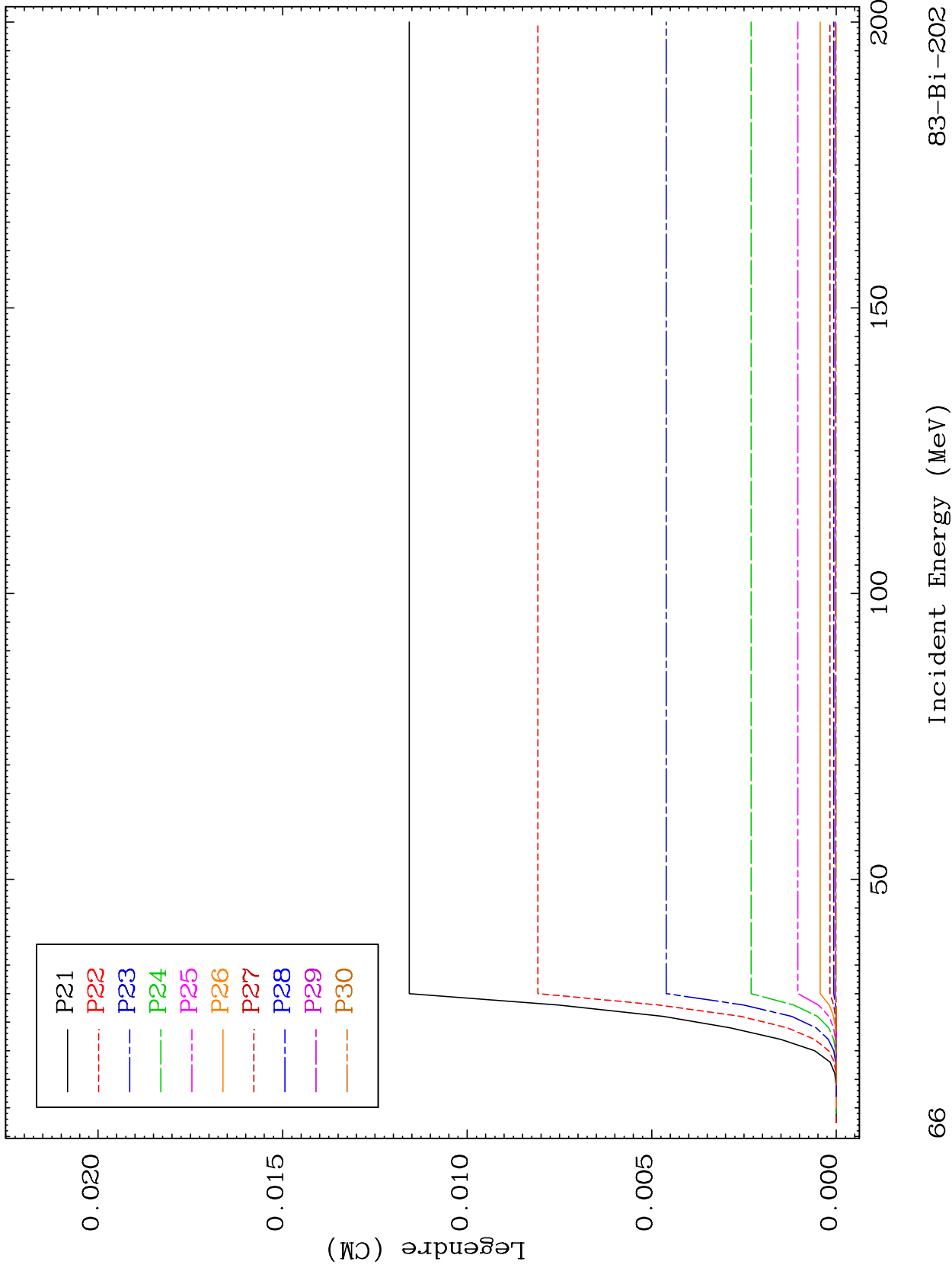
83-Bi-202



65

Incident Energy (MeV)

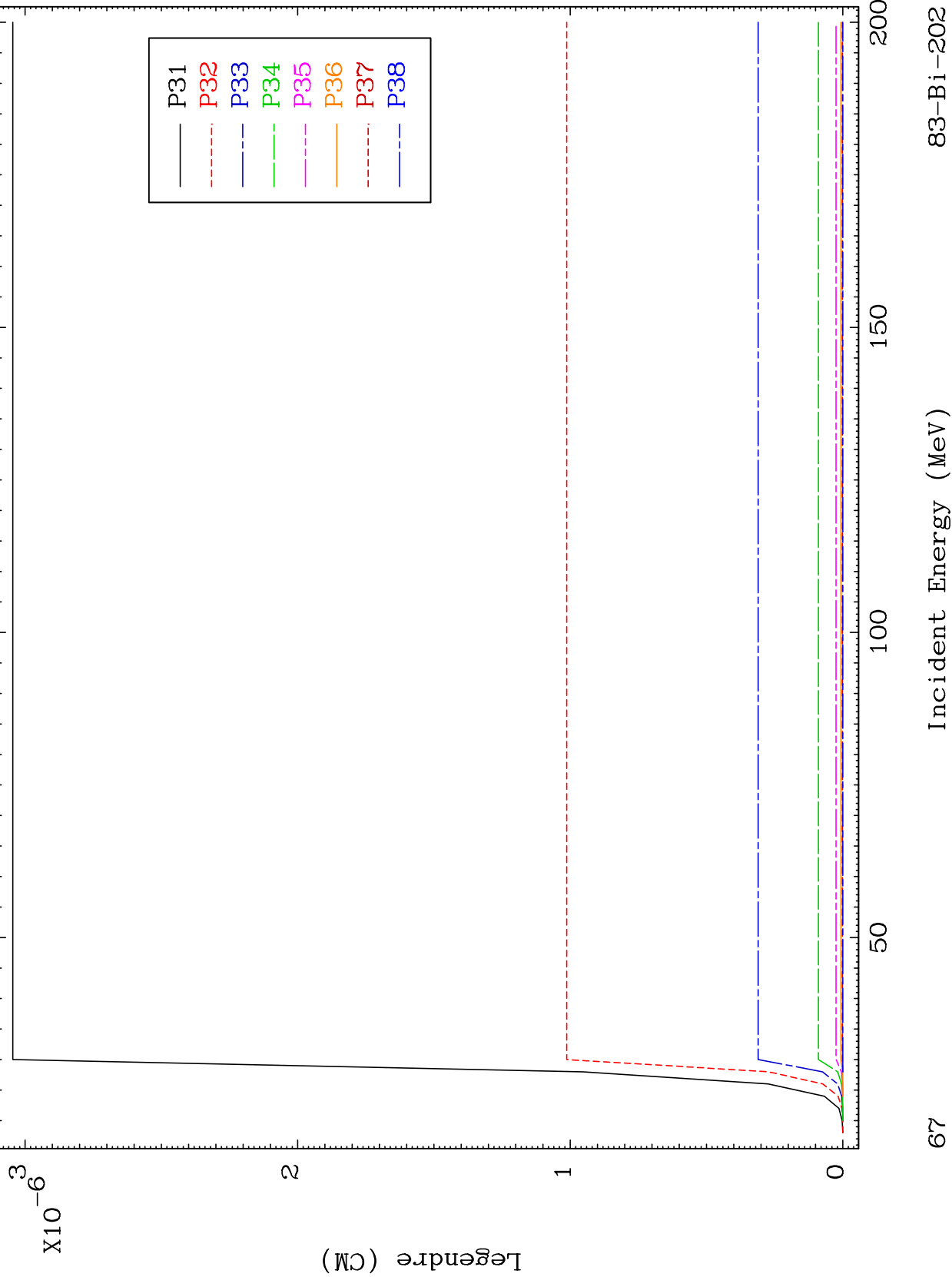
83-Bi-202



MAT 8304

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

83-Bi-202



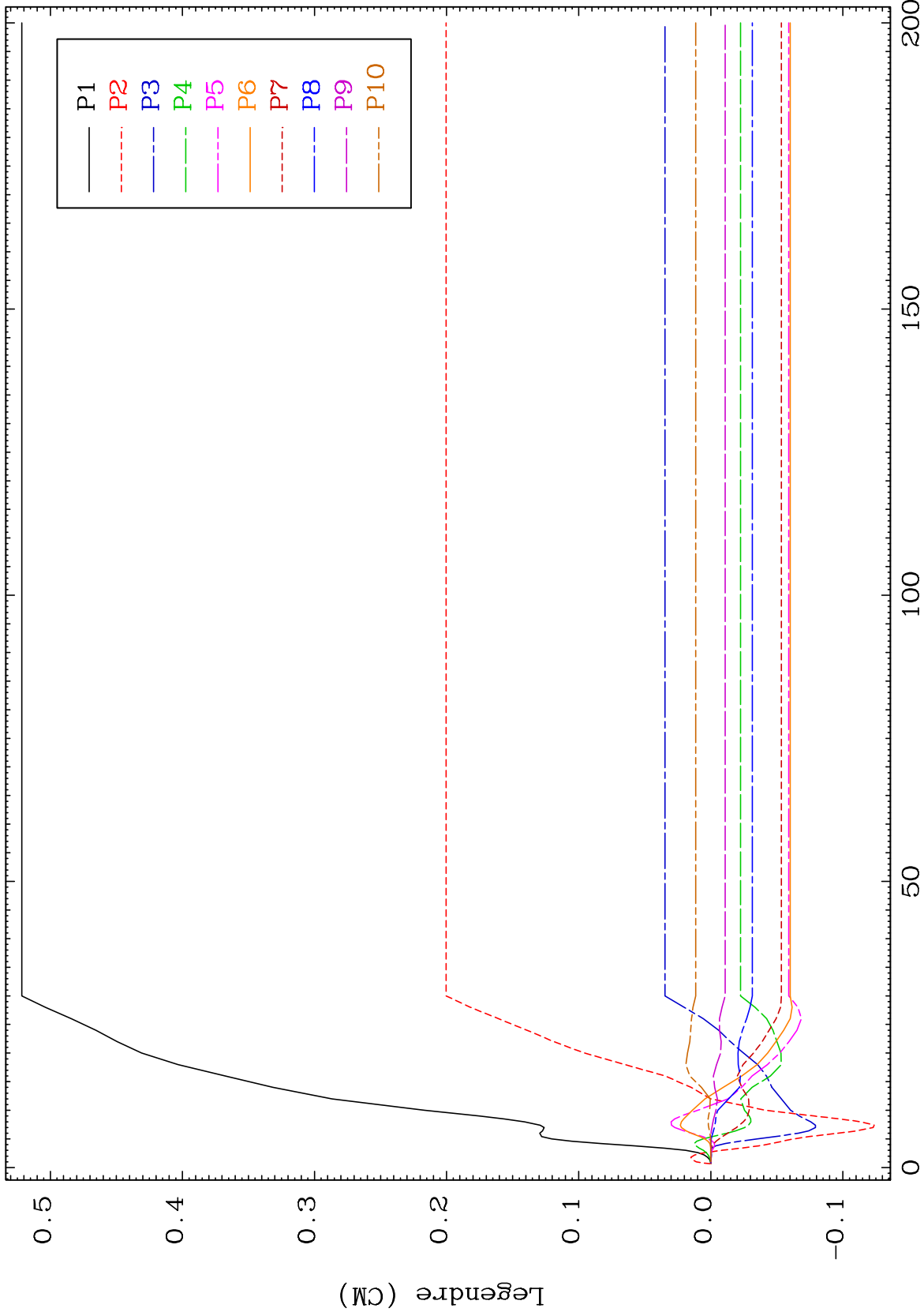
67

83-Bi-202

MAT 8304

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

83-Bi-202



68

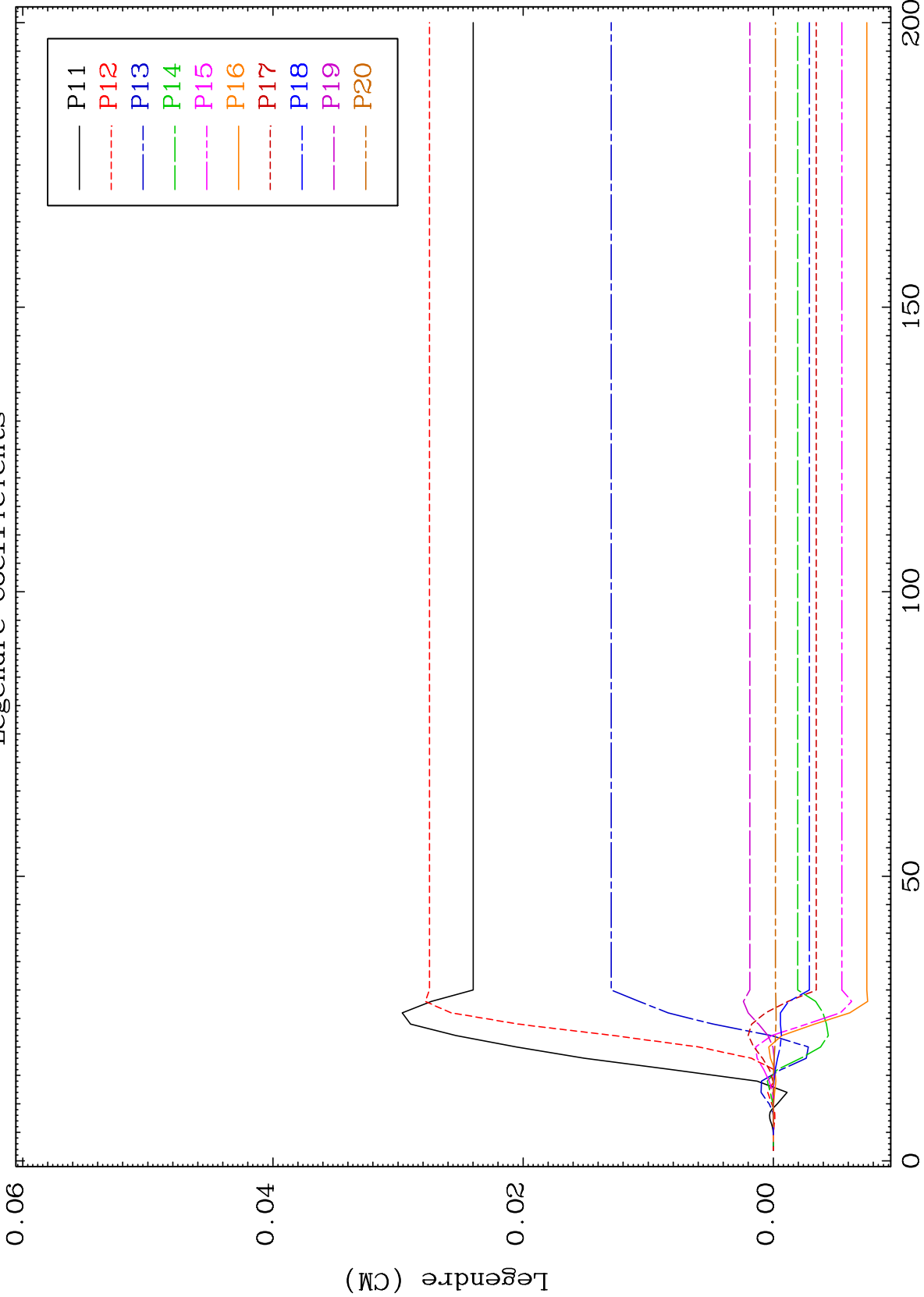
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



69

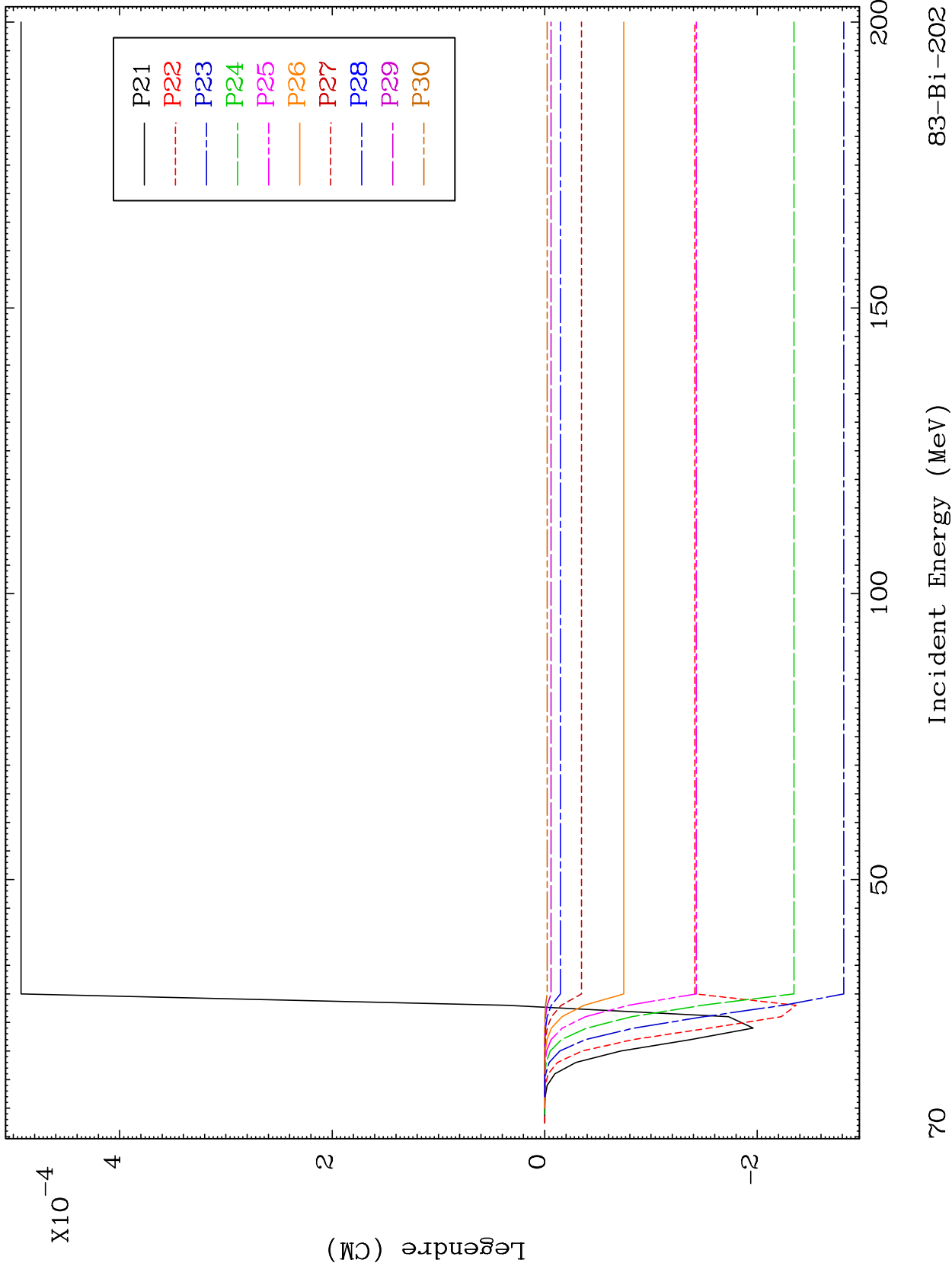
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



70

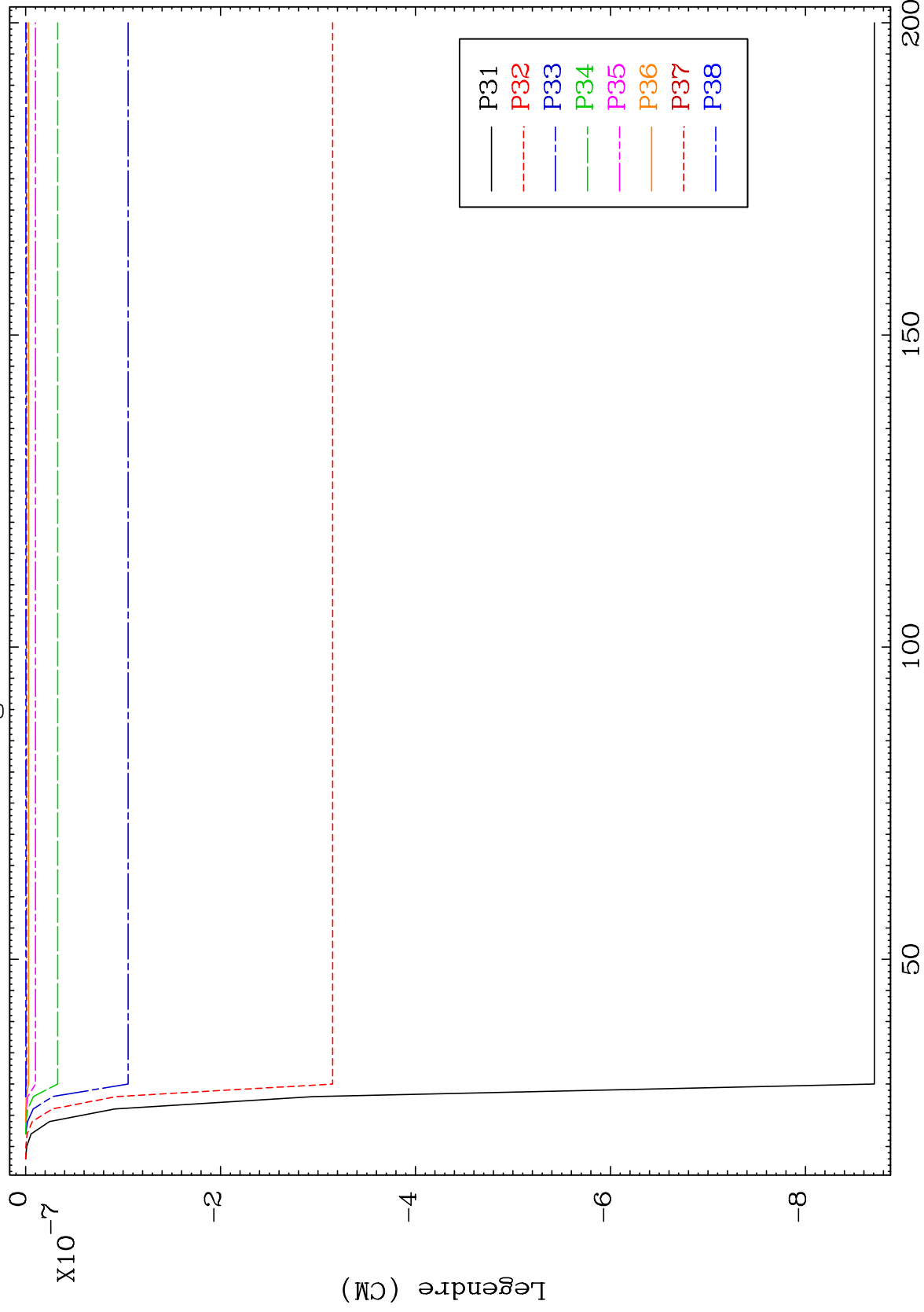
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



71

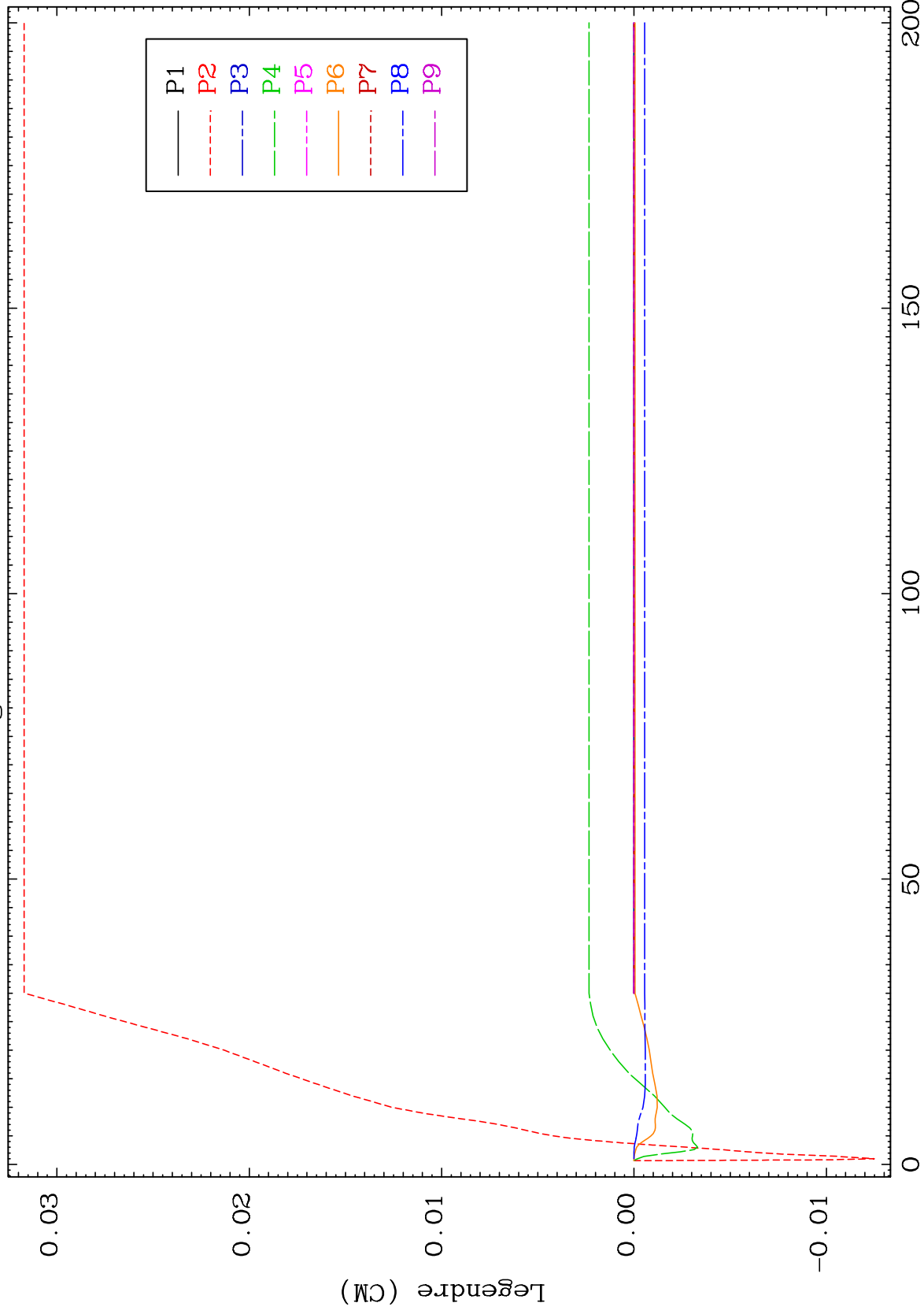
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



72

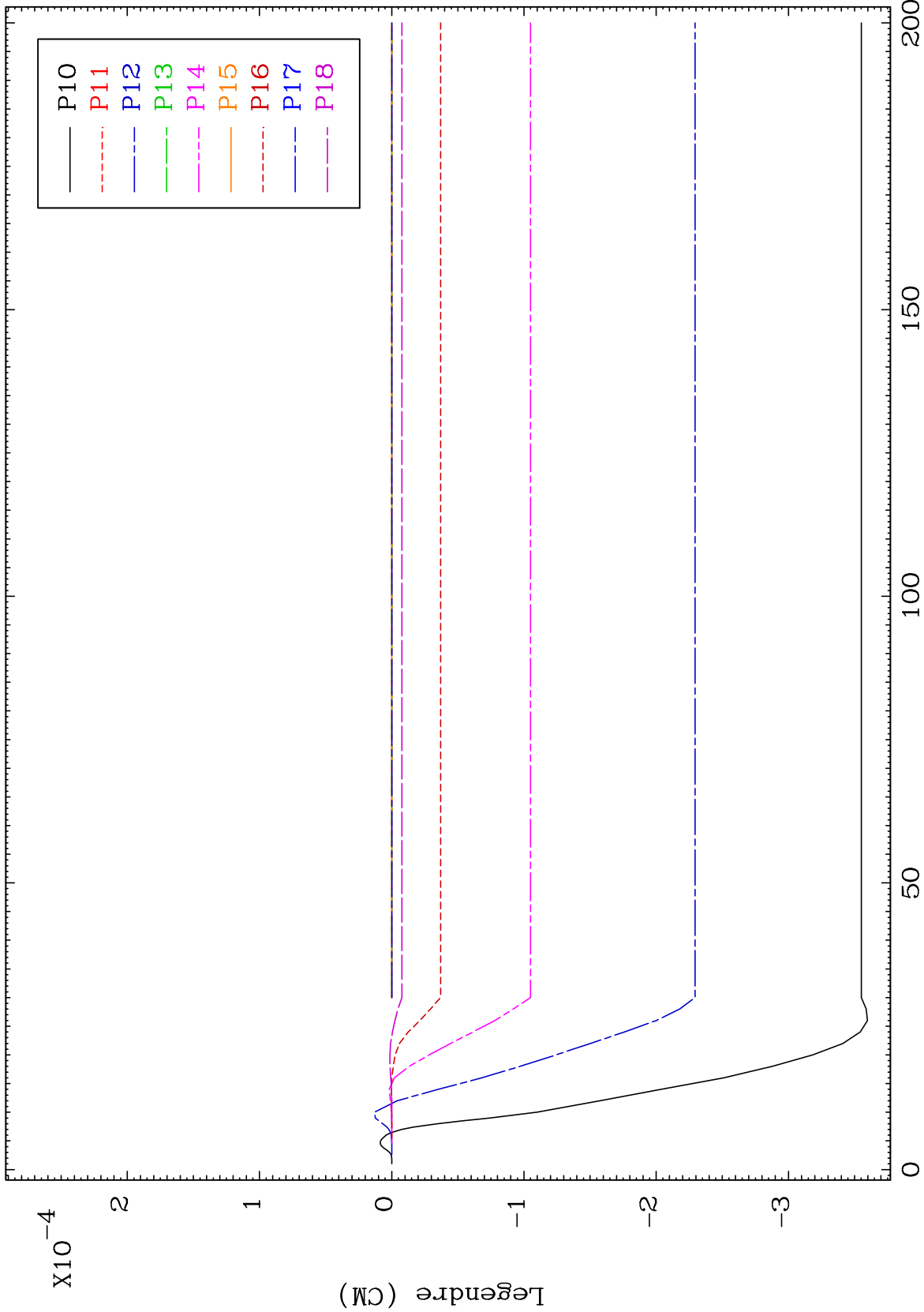
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



73

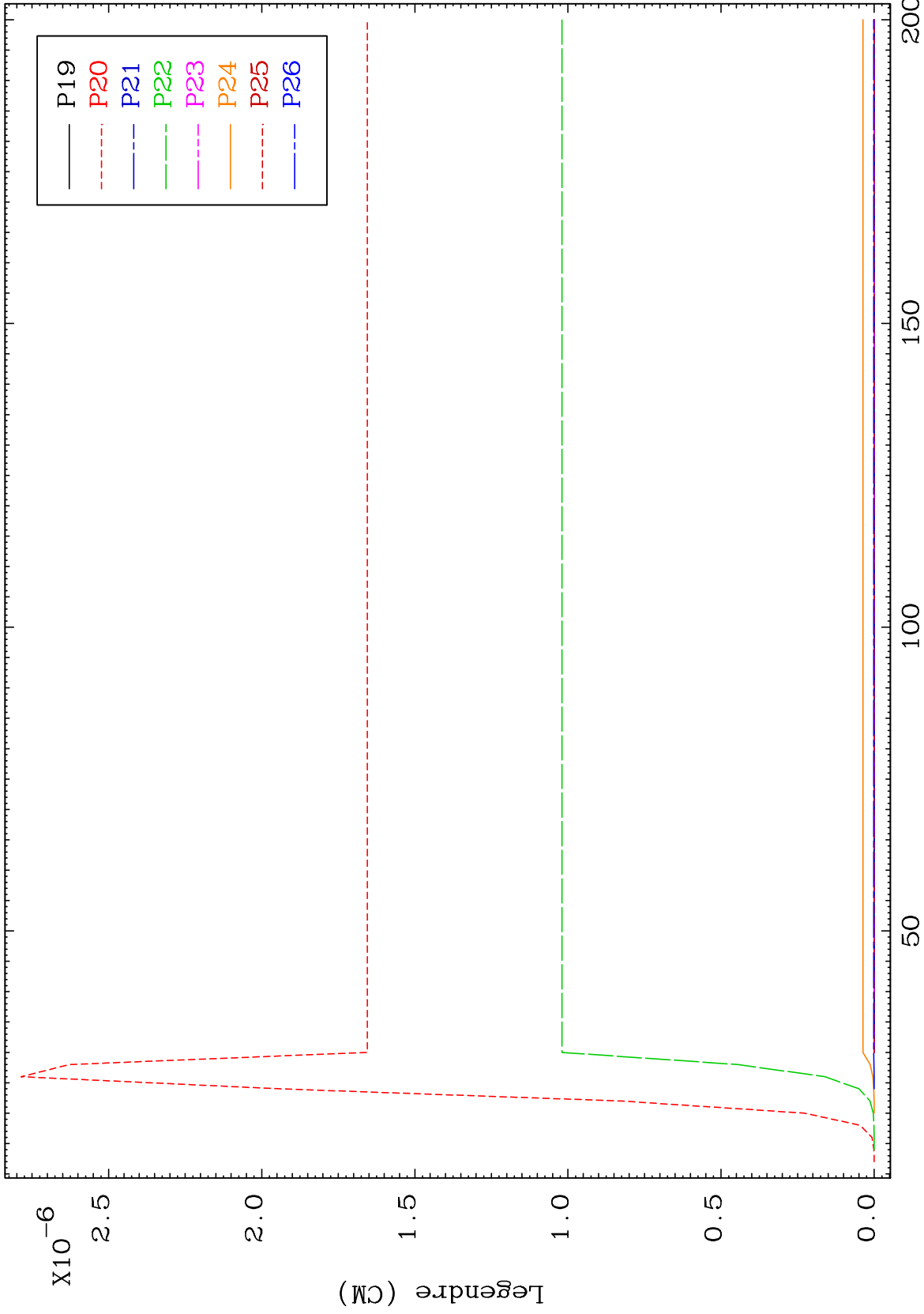
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



74

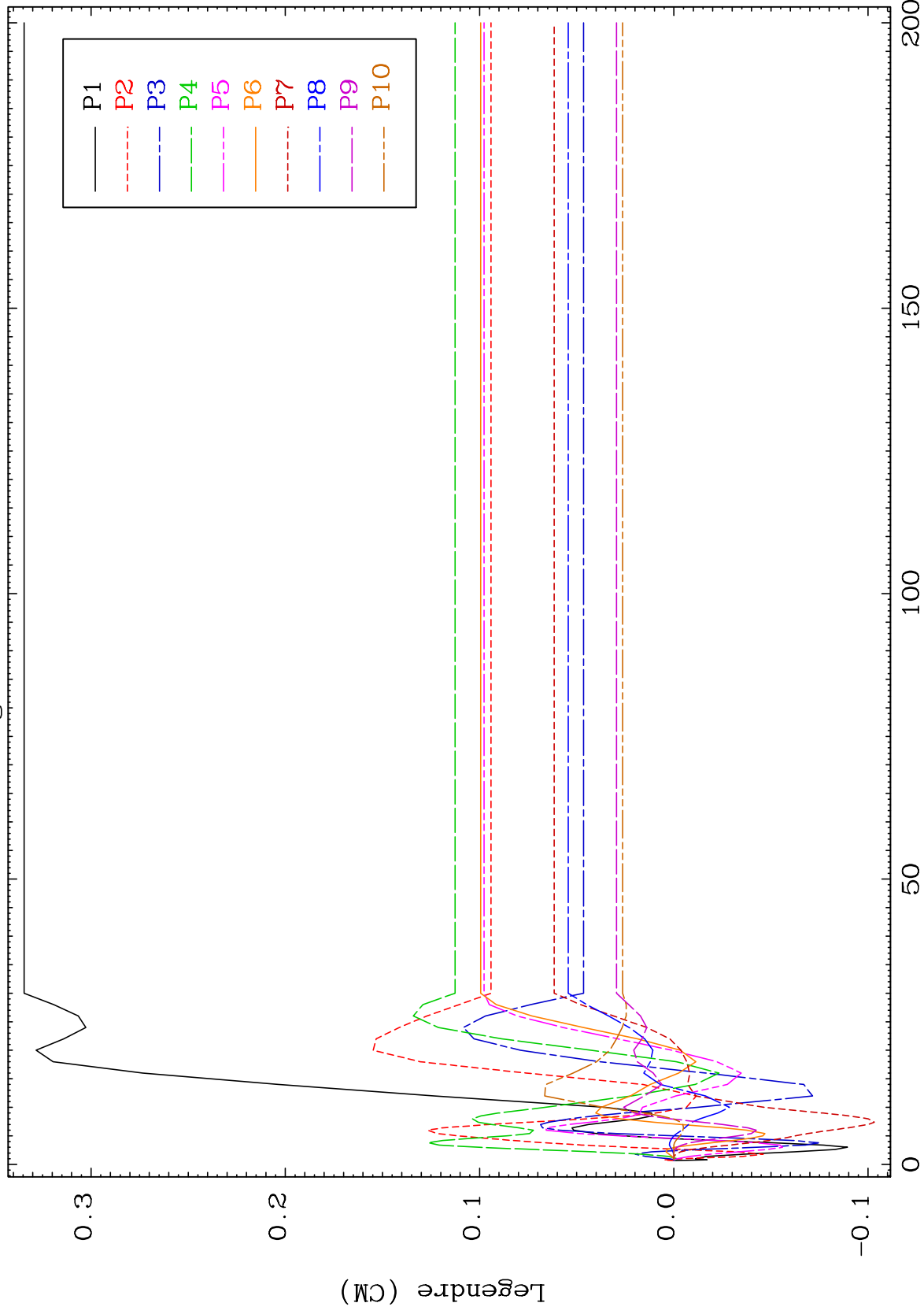
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

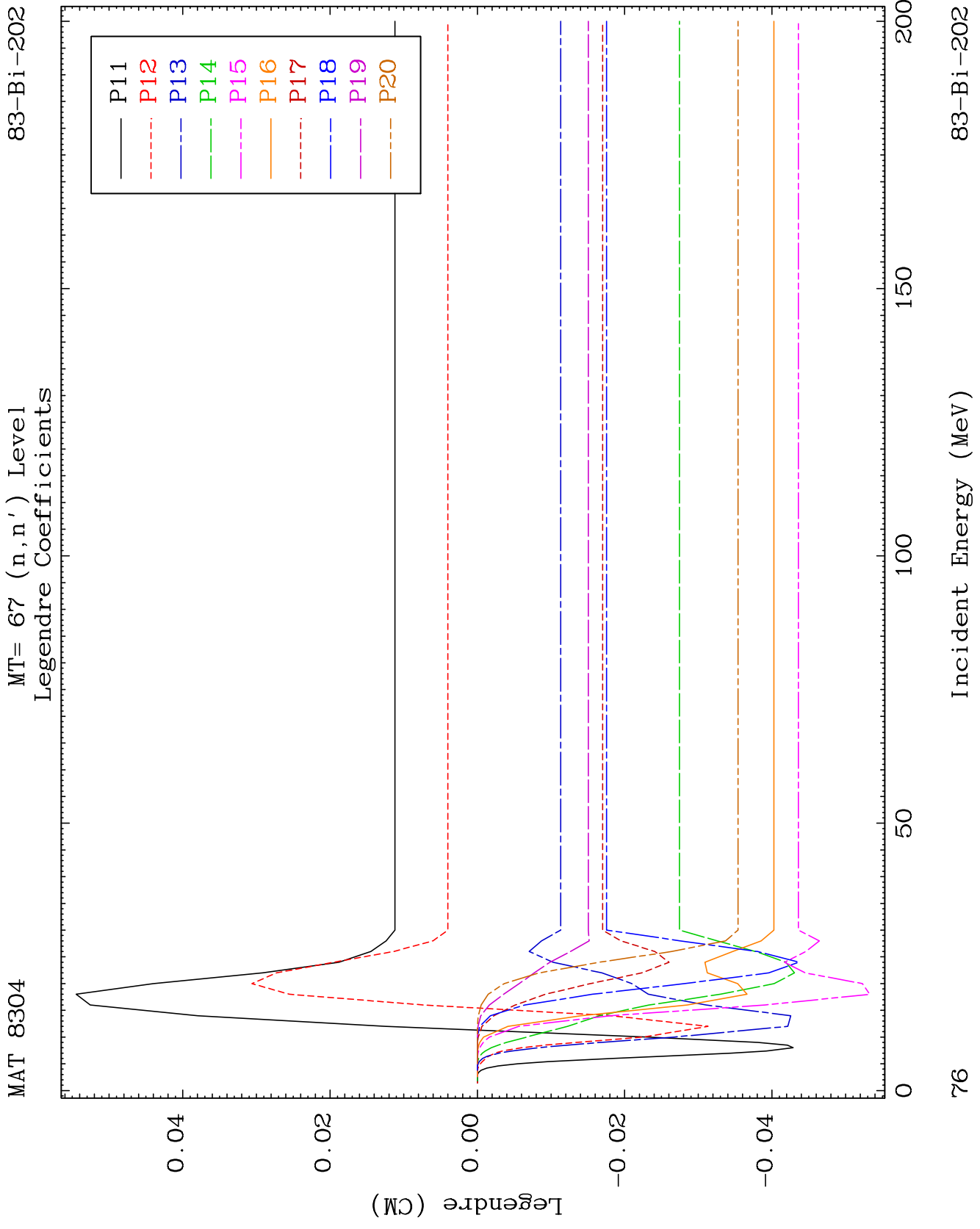
83-Bi-202



75

Incident Energy (MeV)

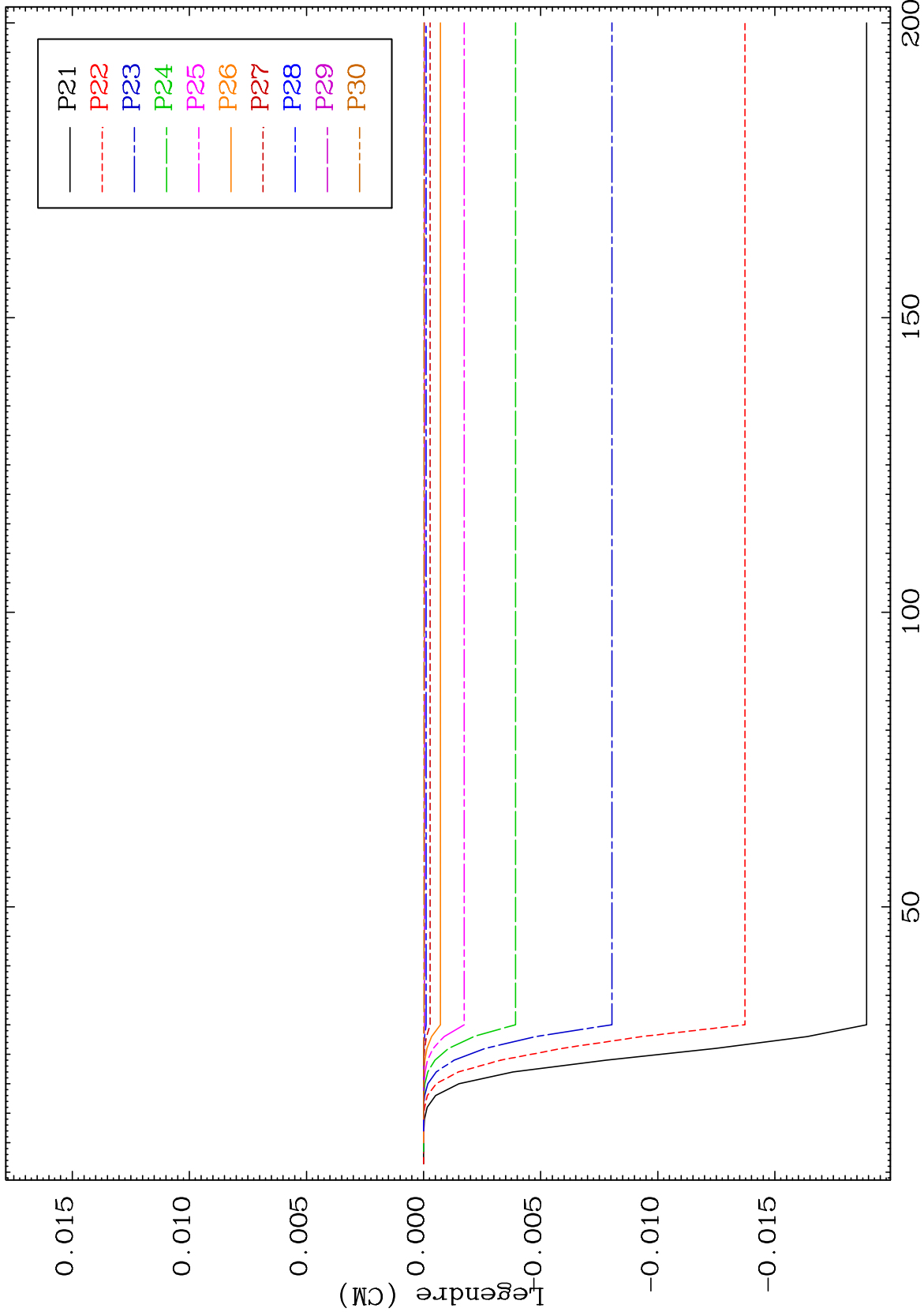
83-Bi-202



MAT 8304

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

83-Bi-202



77

Incident Energy (MeV)

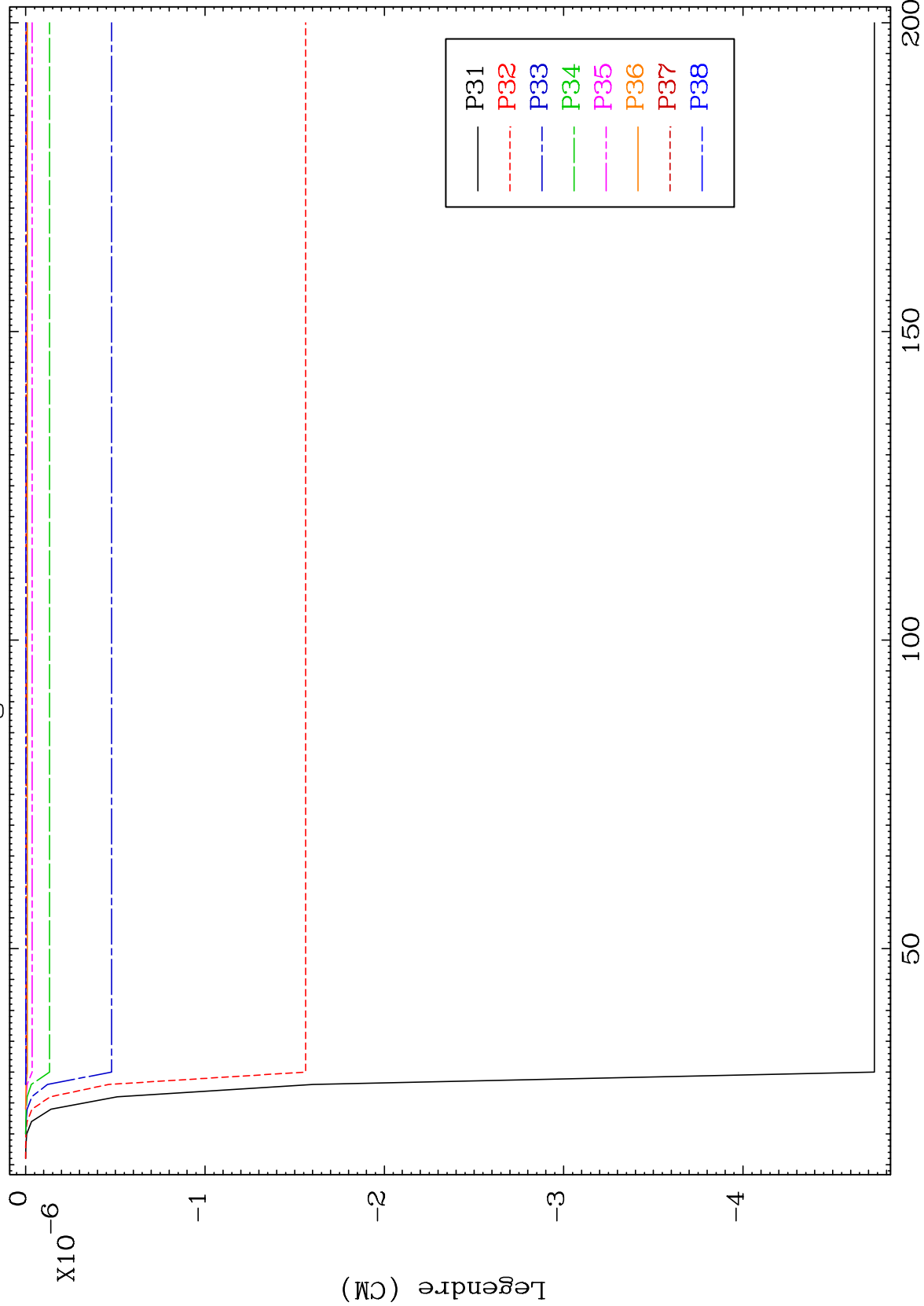
83-Bi-202

MAT 8304

MT= 67 (n,n') Level

83-Bi-202

Legendre Coefficients



78

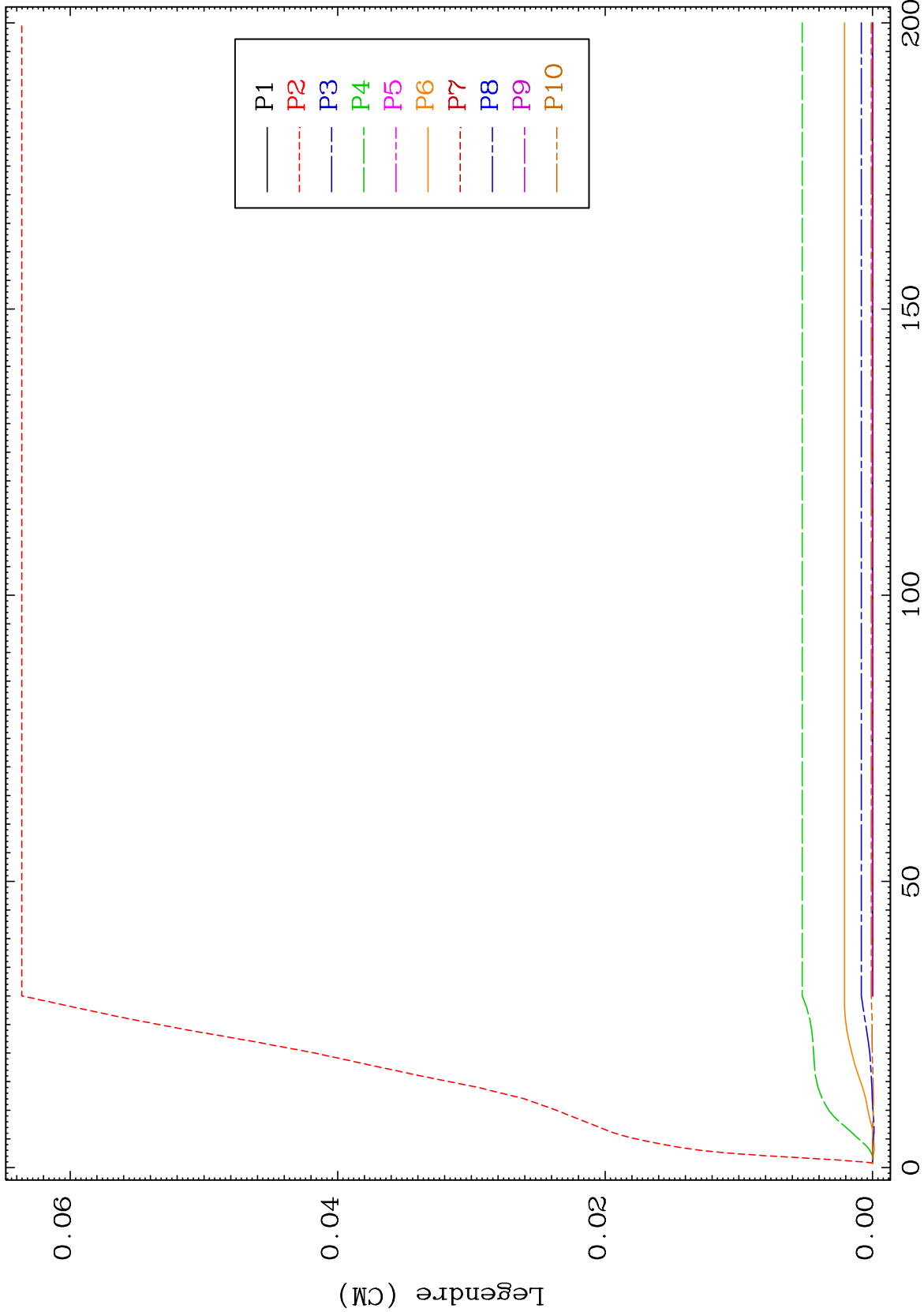
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



79

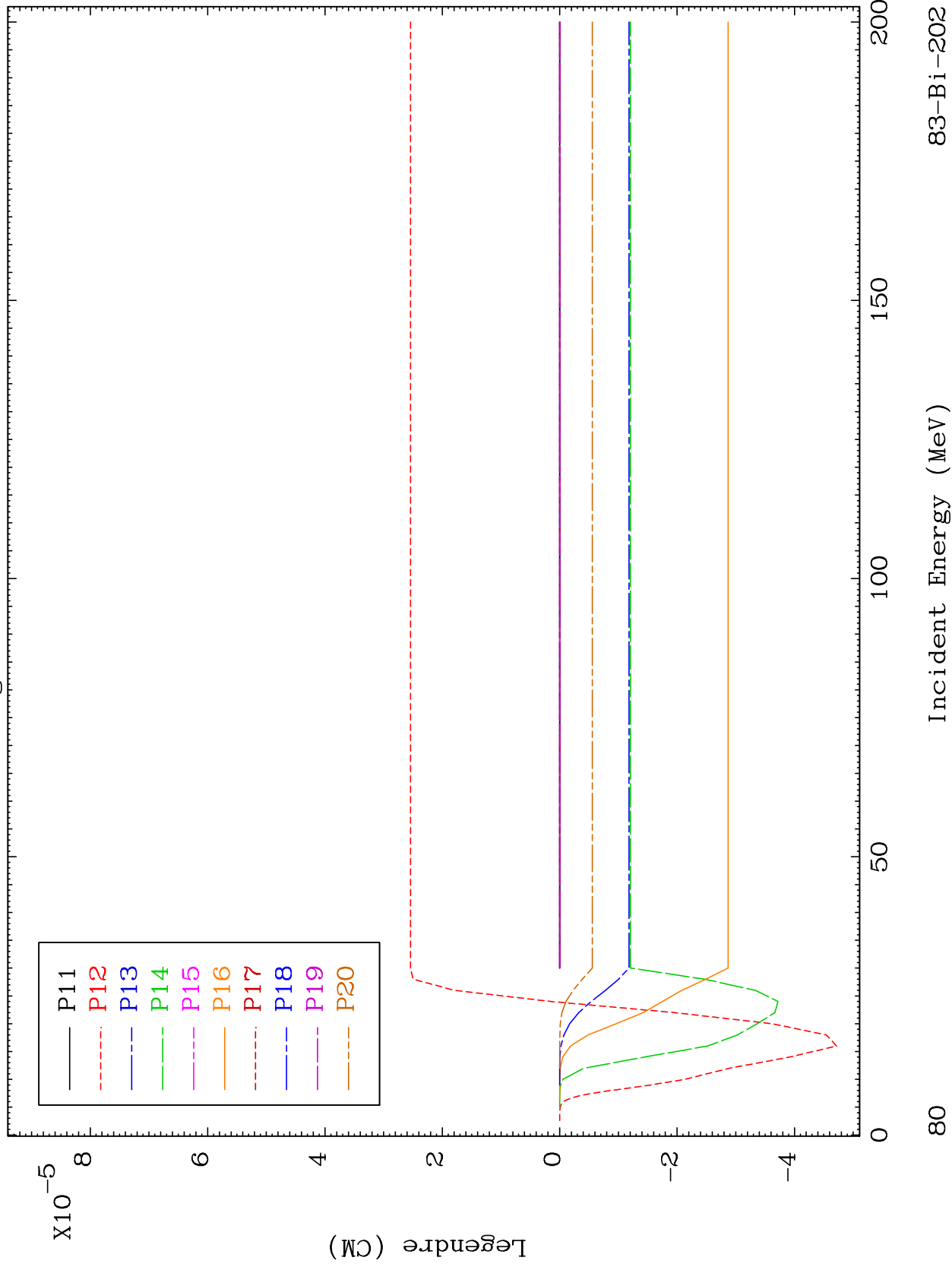
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202

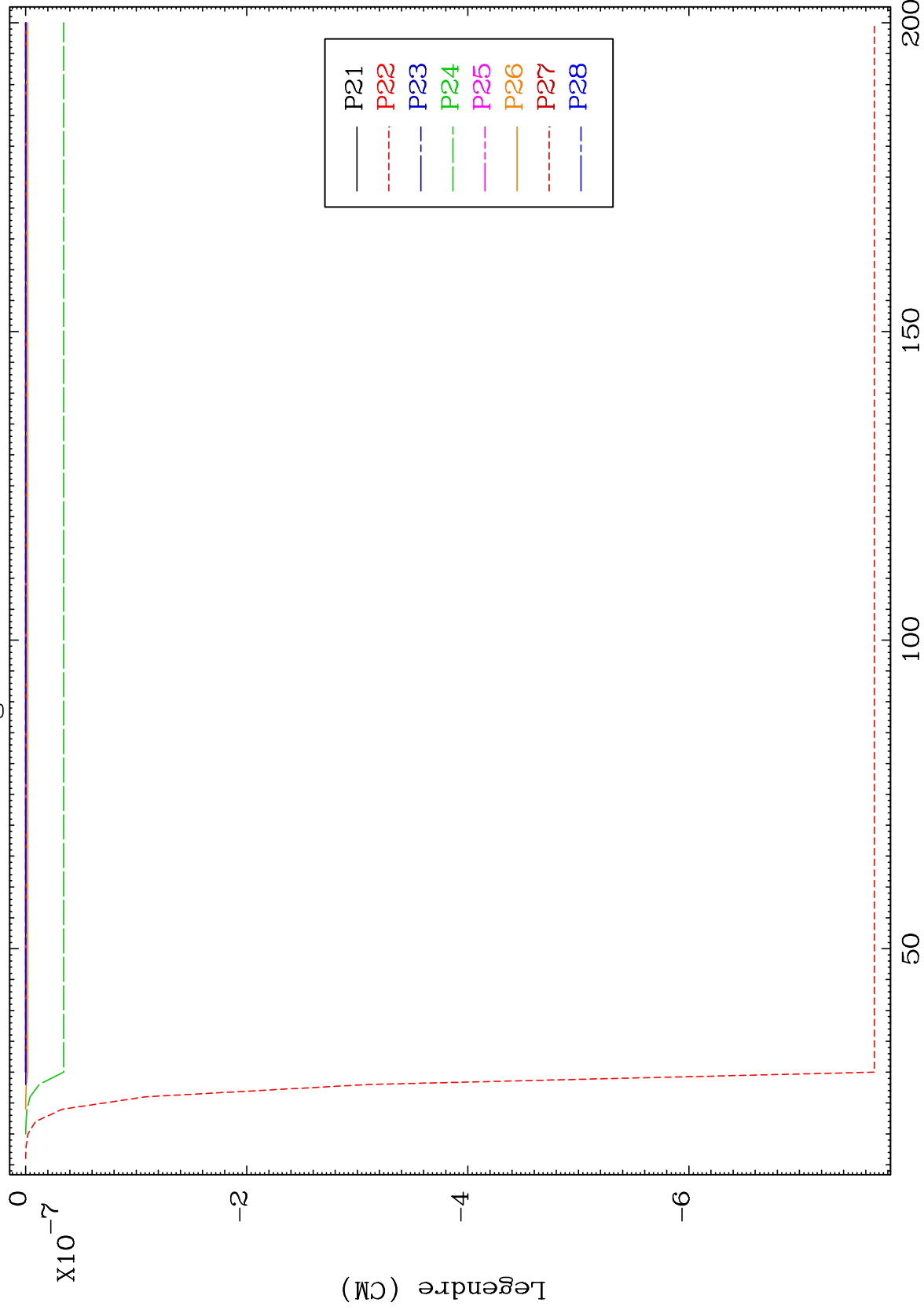


83-Bi-202

MAT 8304

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

83-Bi-202



81

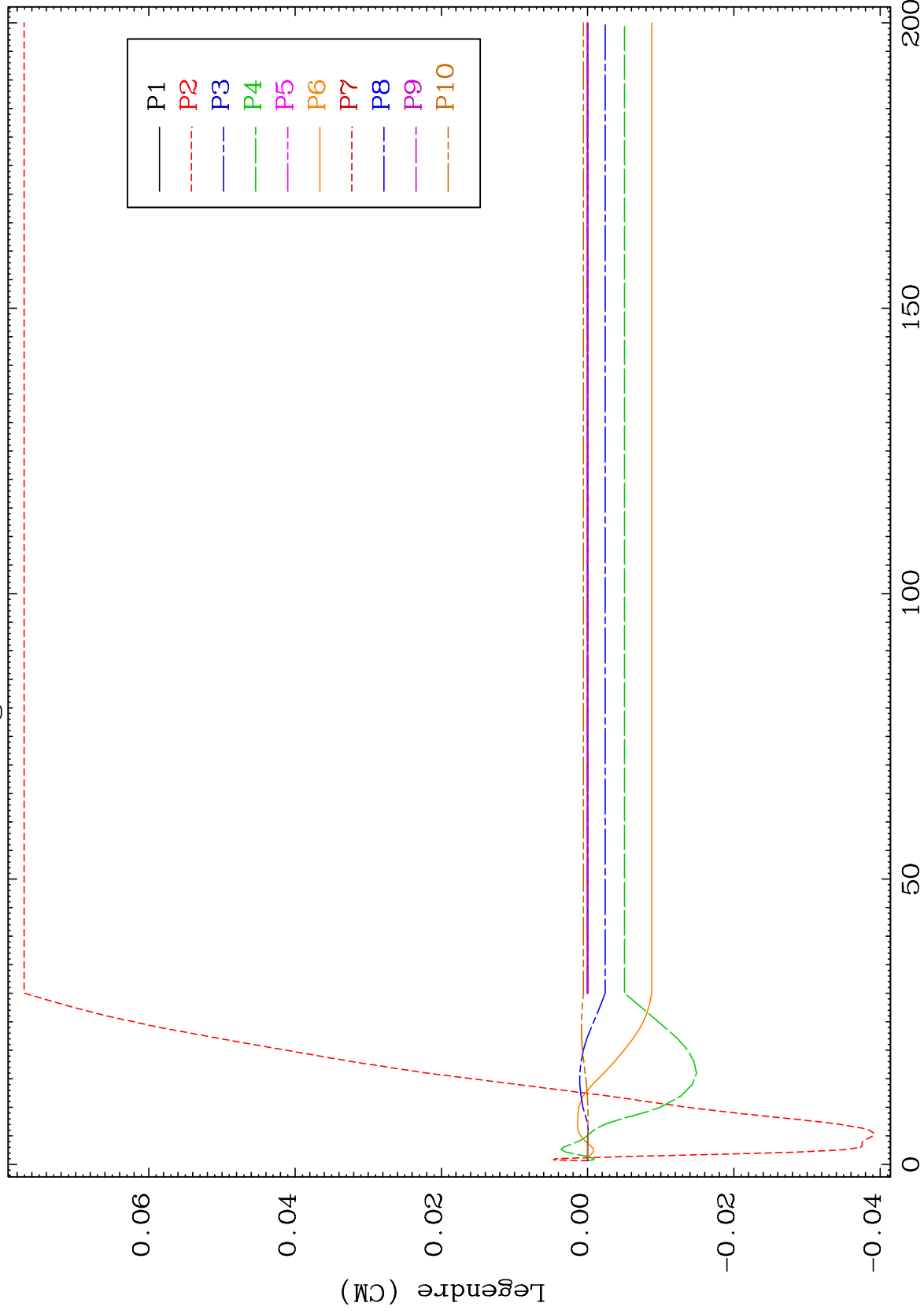
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



82

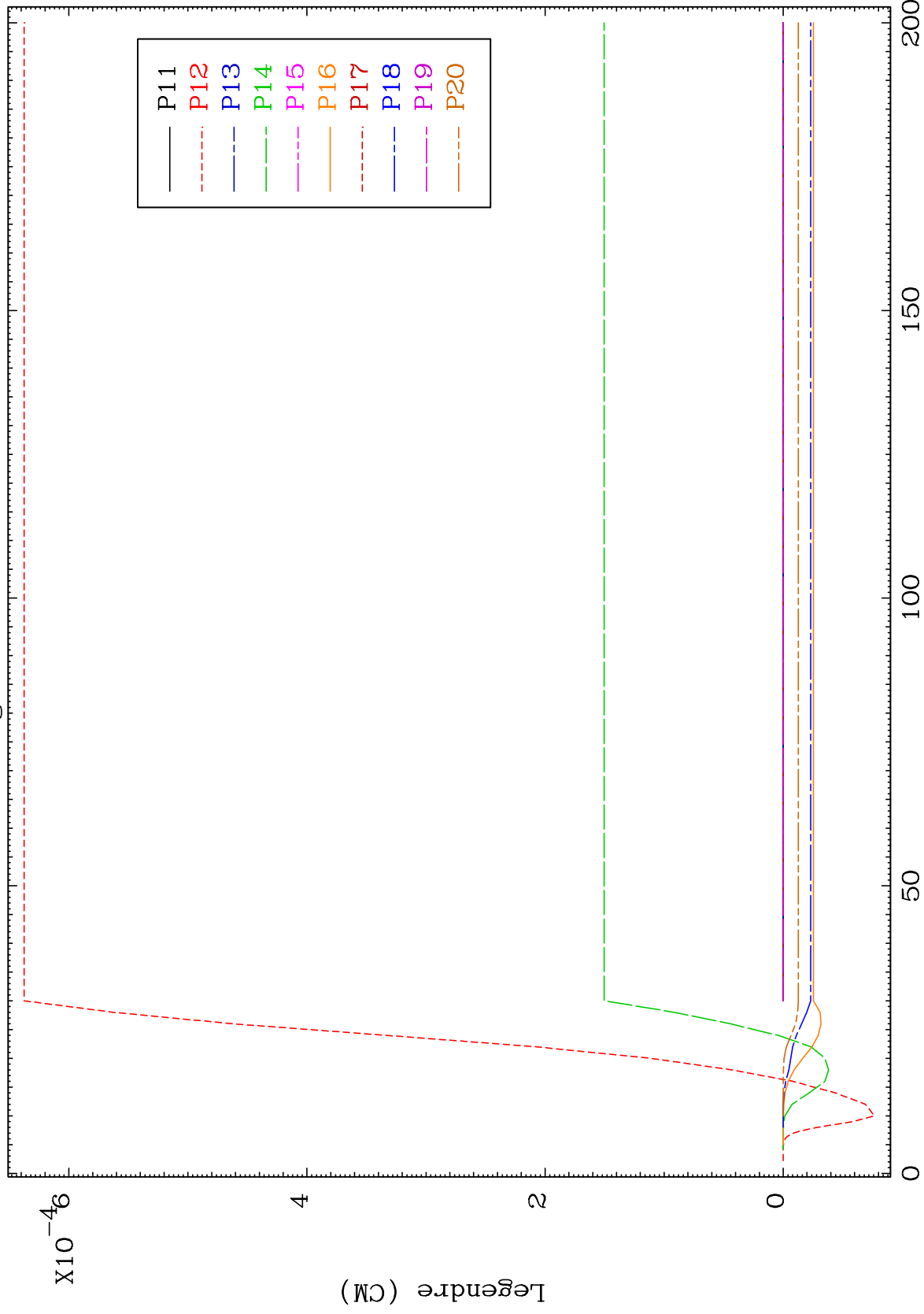
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

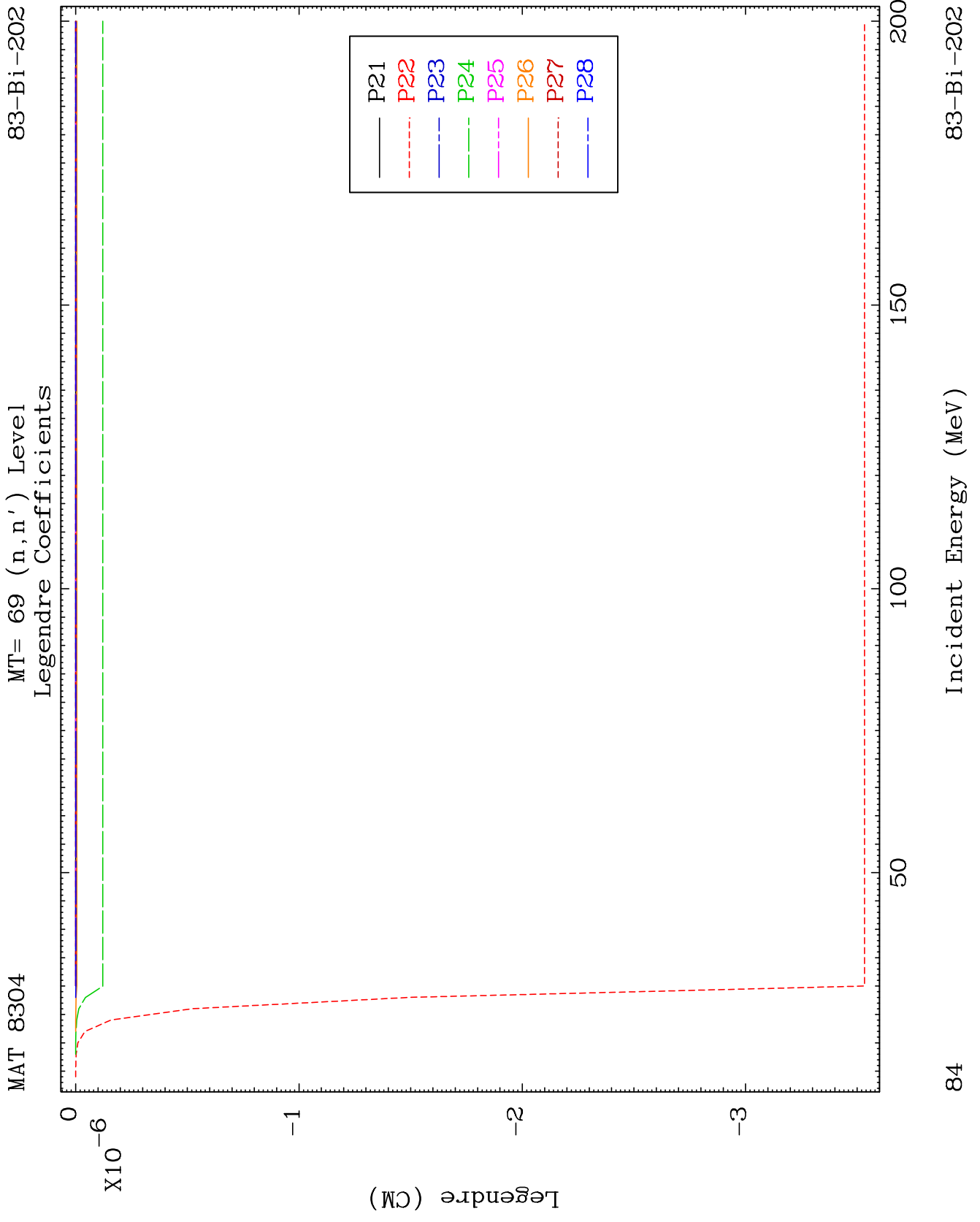
83-Bi-202



83

Incident Energy (MeV)

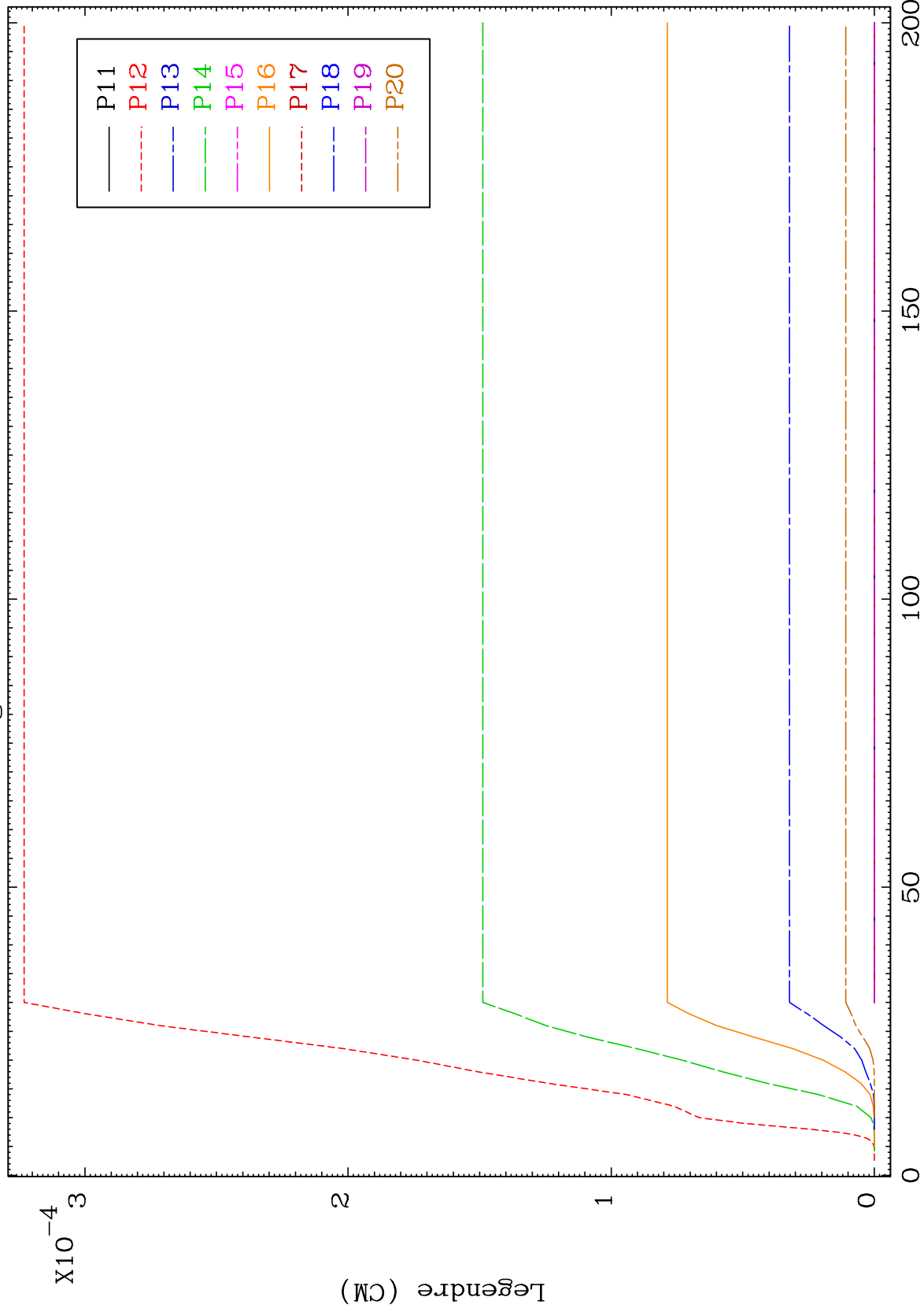
83-Bi-202



MAT 8304

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

83-Bi-202



86

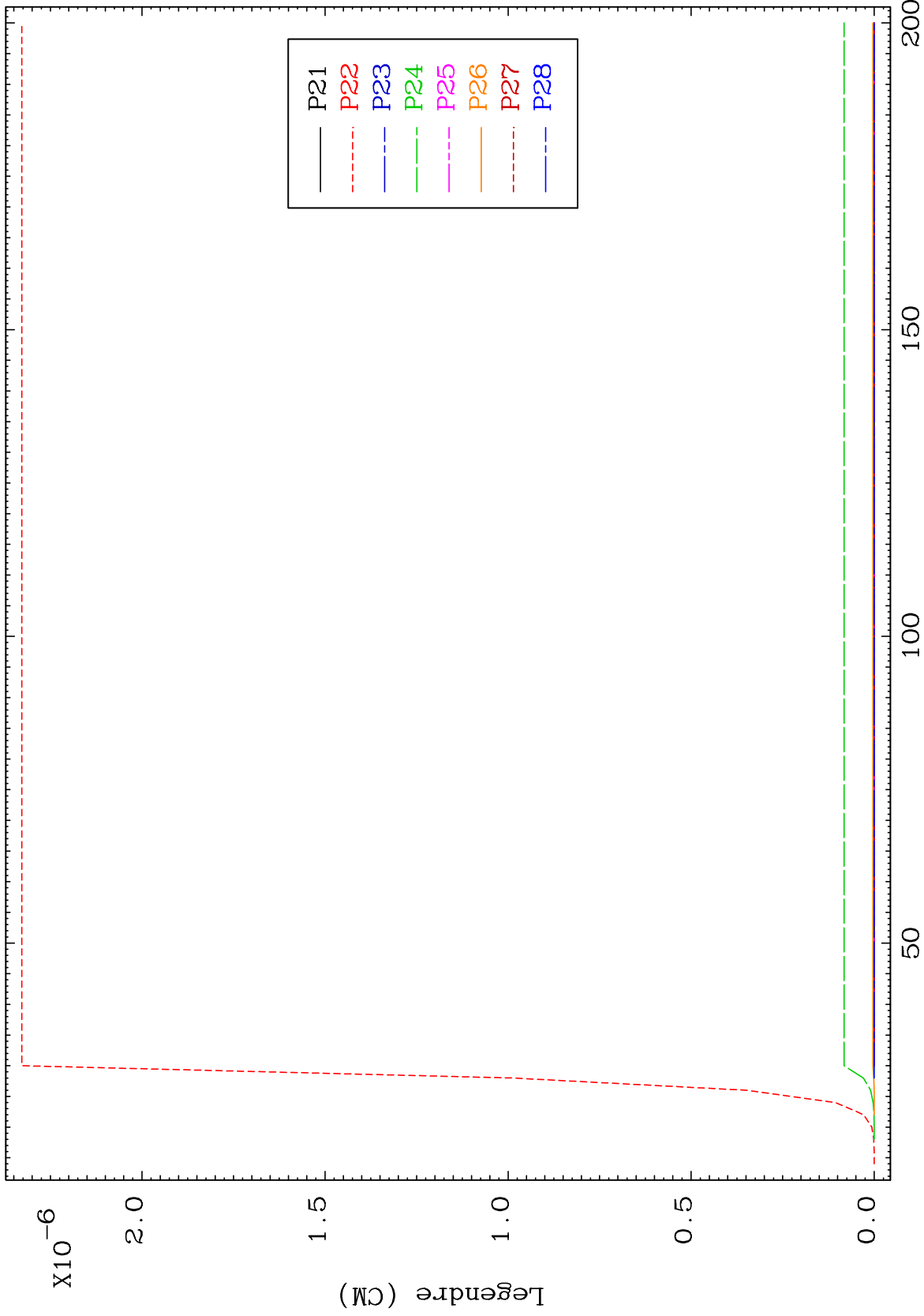
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



87

Incident Energy (MeV)

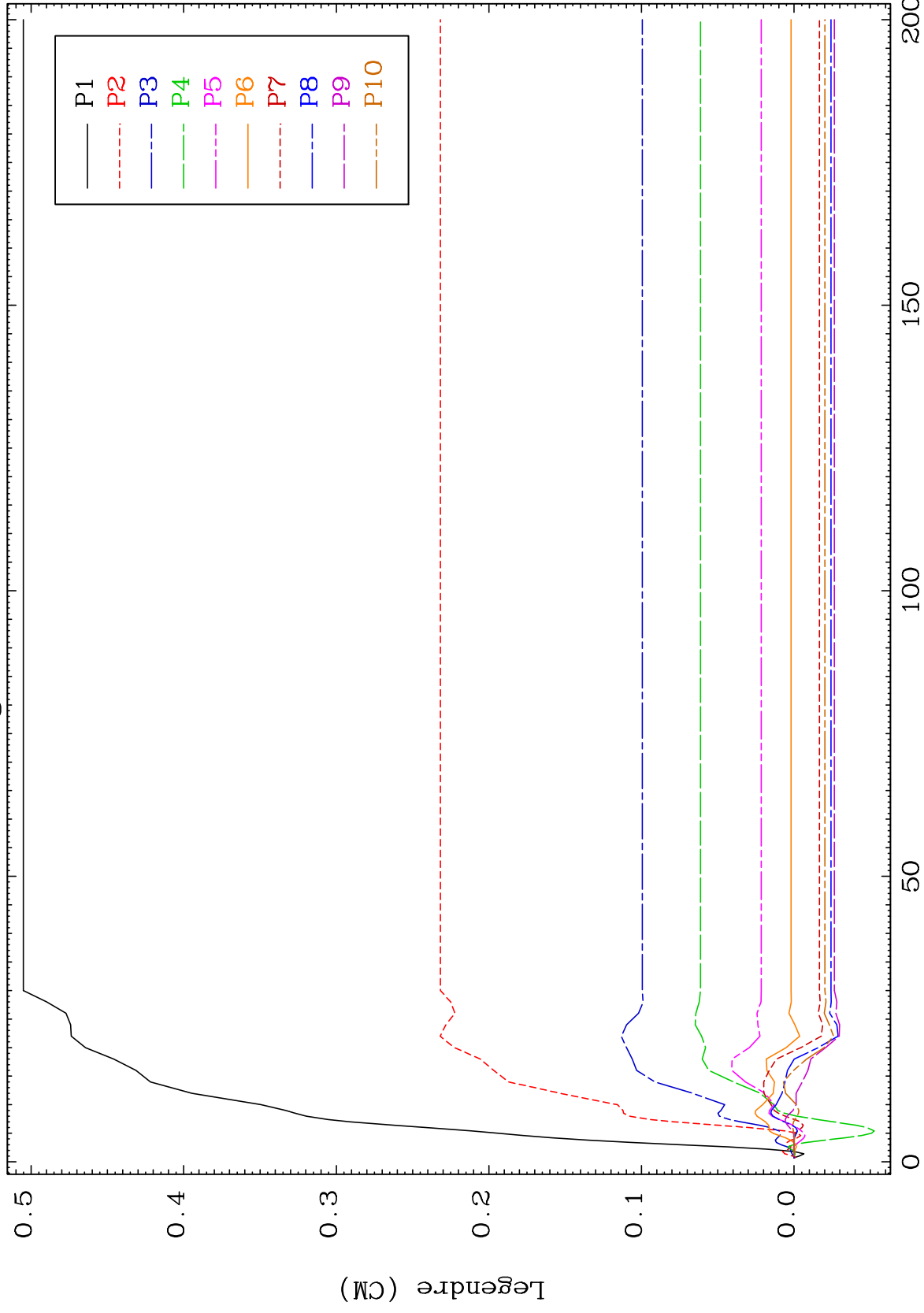
83-Bi-202

MAT 8304

MT= 71 (n,n') Level

83-Bi-202

Legendre Coefficients



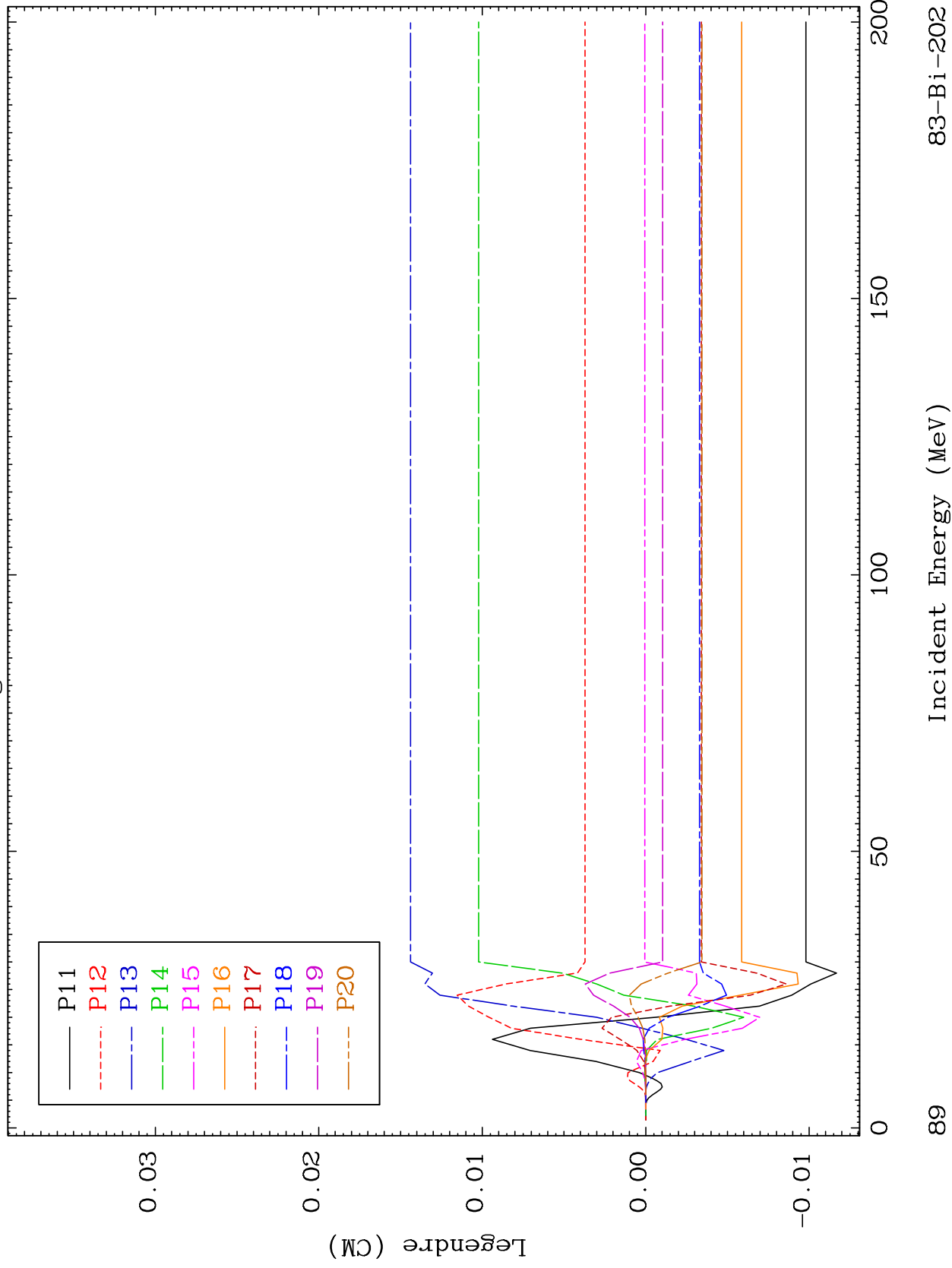
88

83-Bi-202

MAT 8304

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

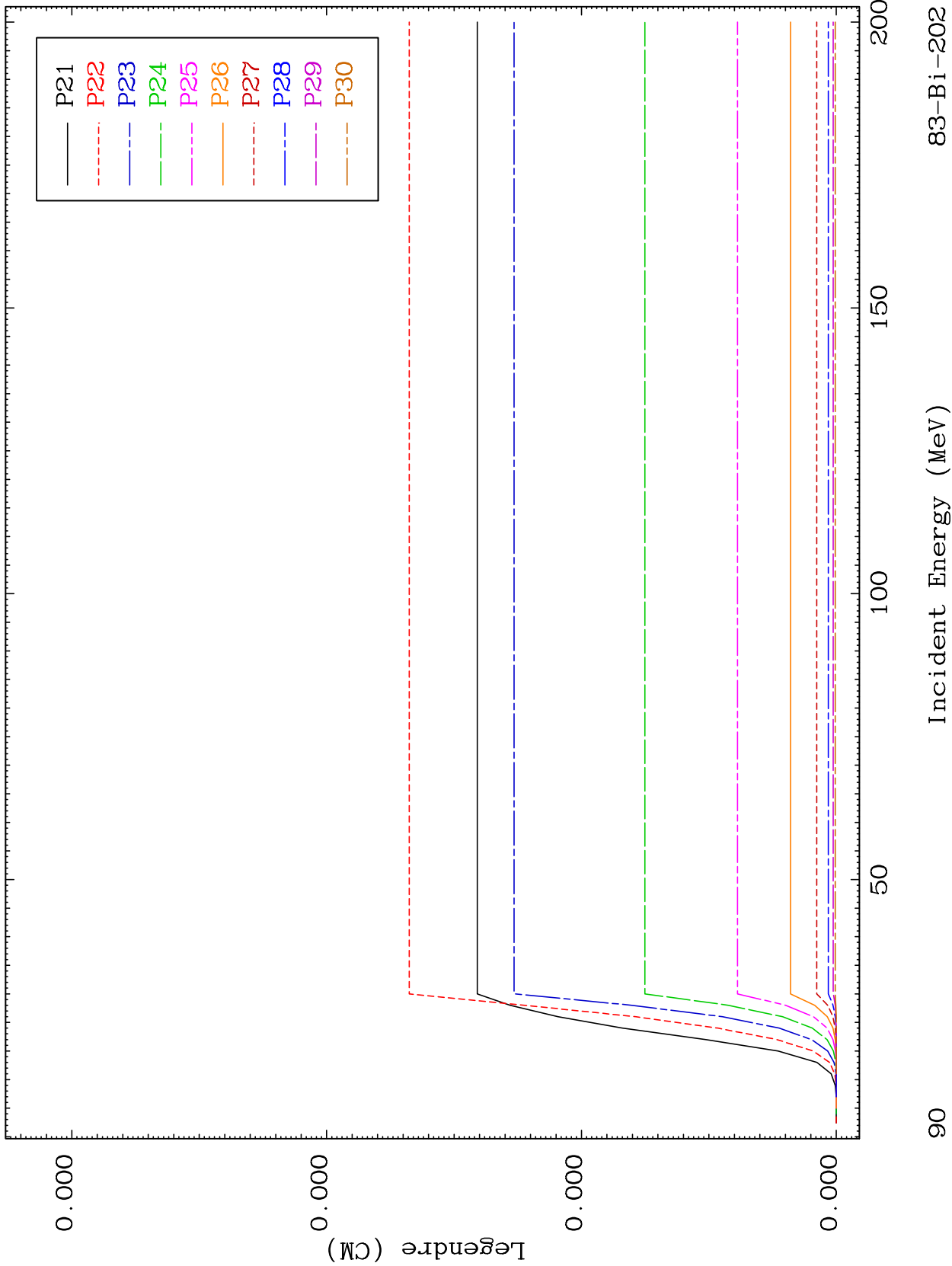
83-Bi-202



MAT 8304

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

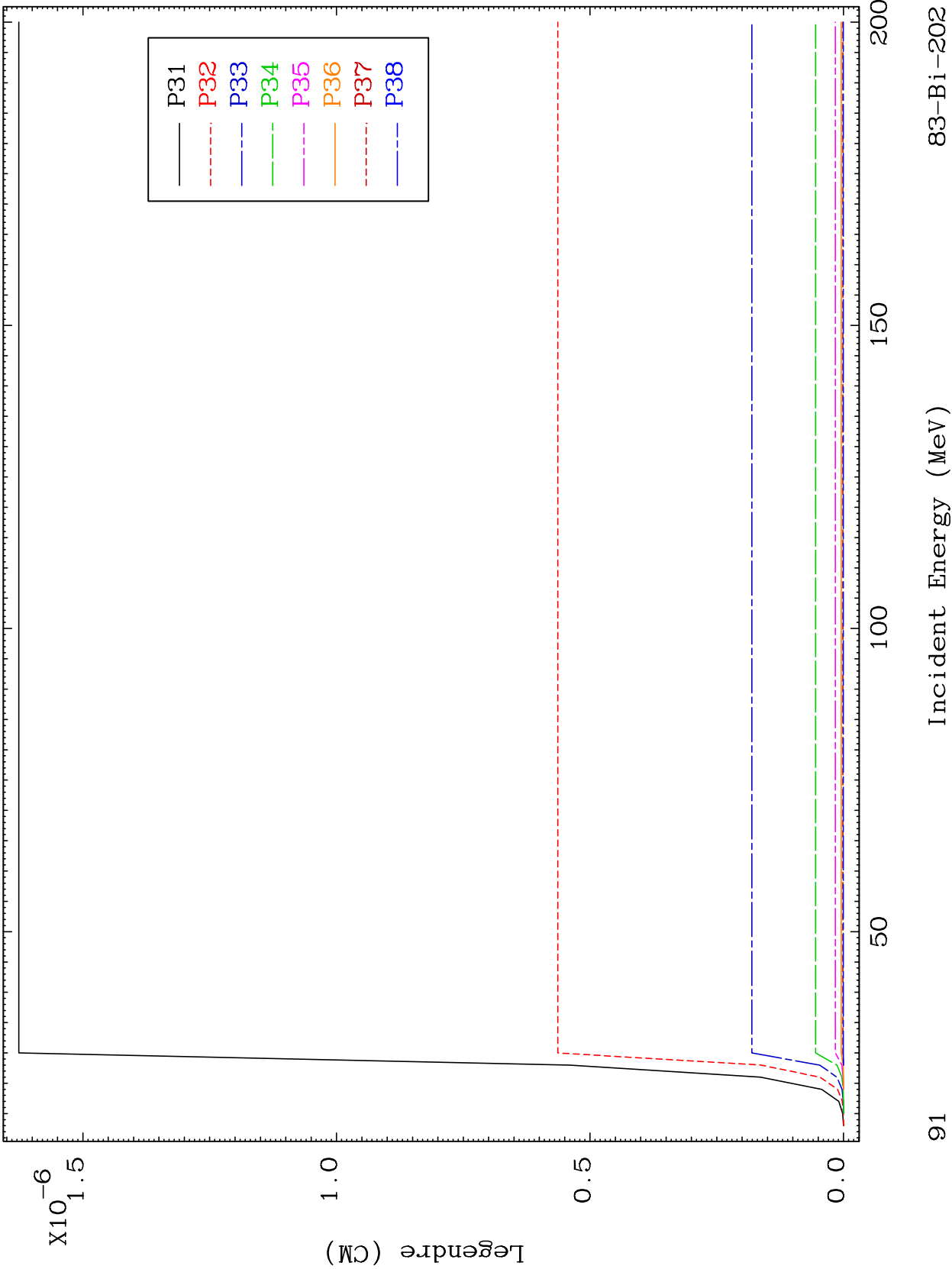
83-Bi-202



90

Incident Energy (MeV)

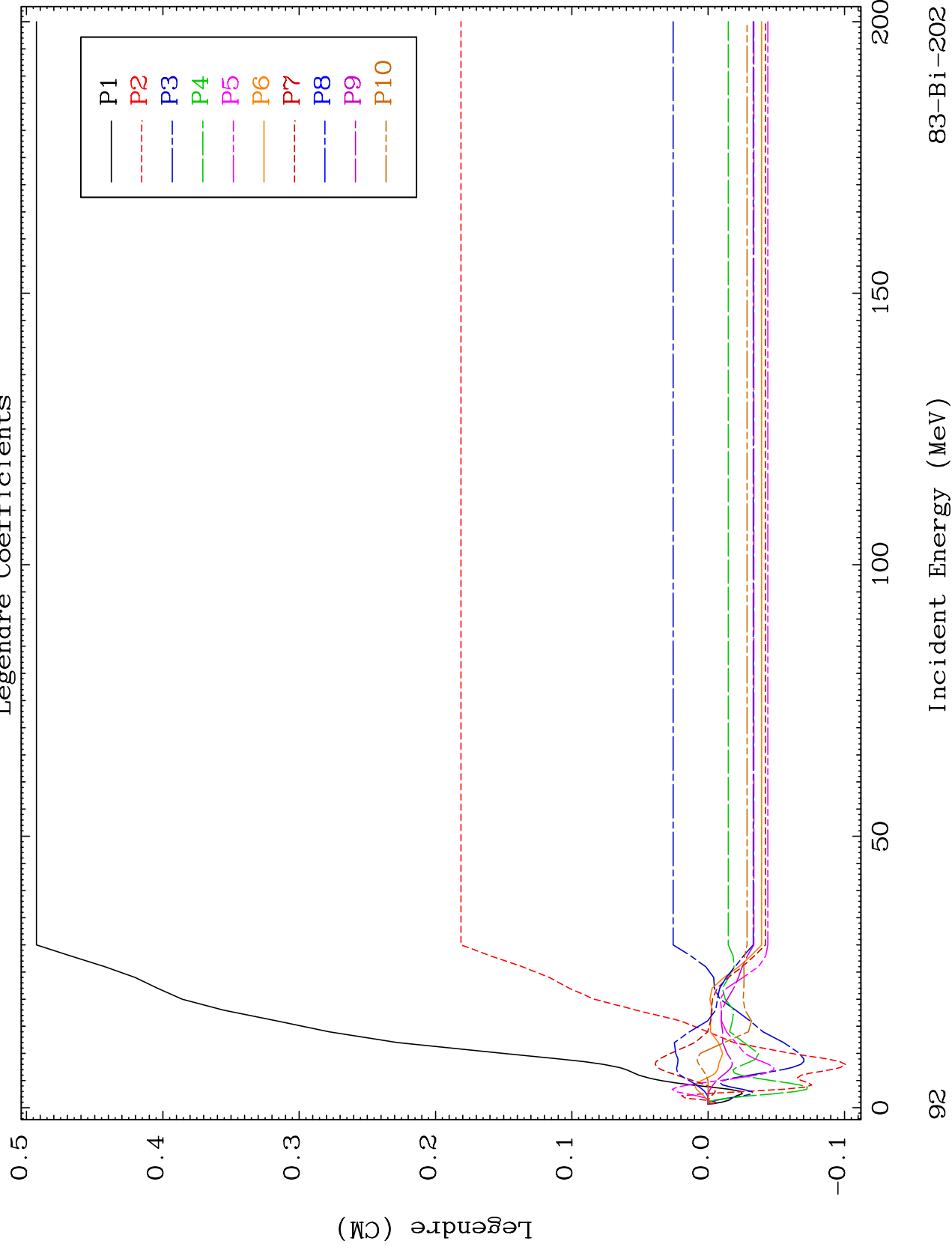
83-Bi-202



MAT 8304

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

83-Bi-202



83-Bi-202

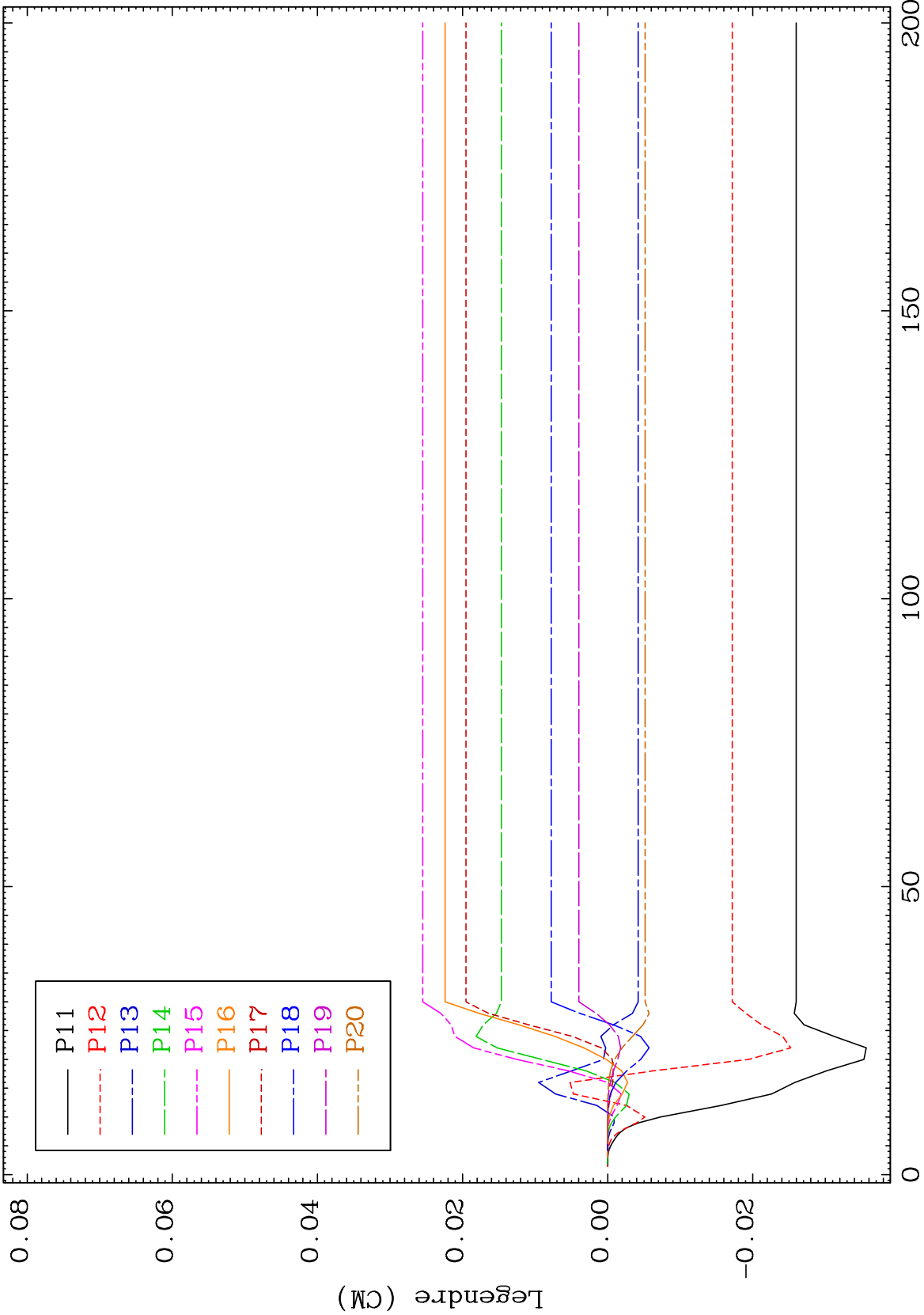
Incident Energy (MeV)

92

MAT 8304

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

83-Bi-202



93

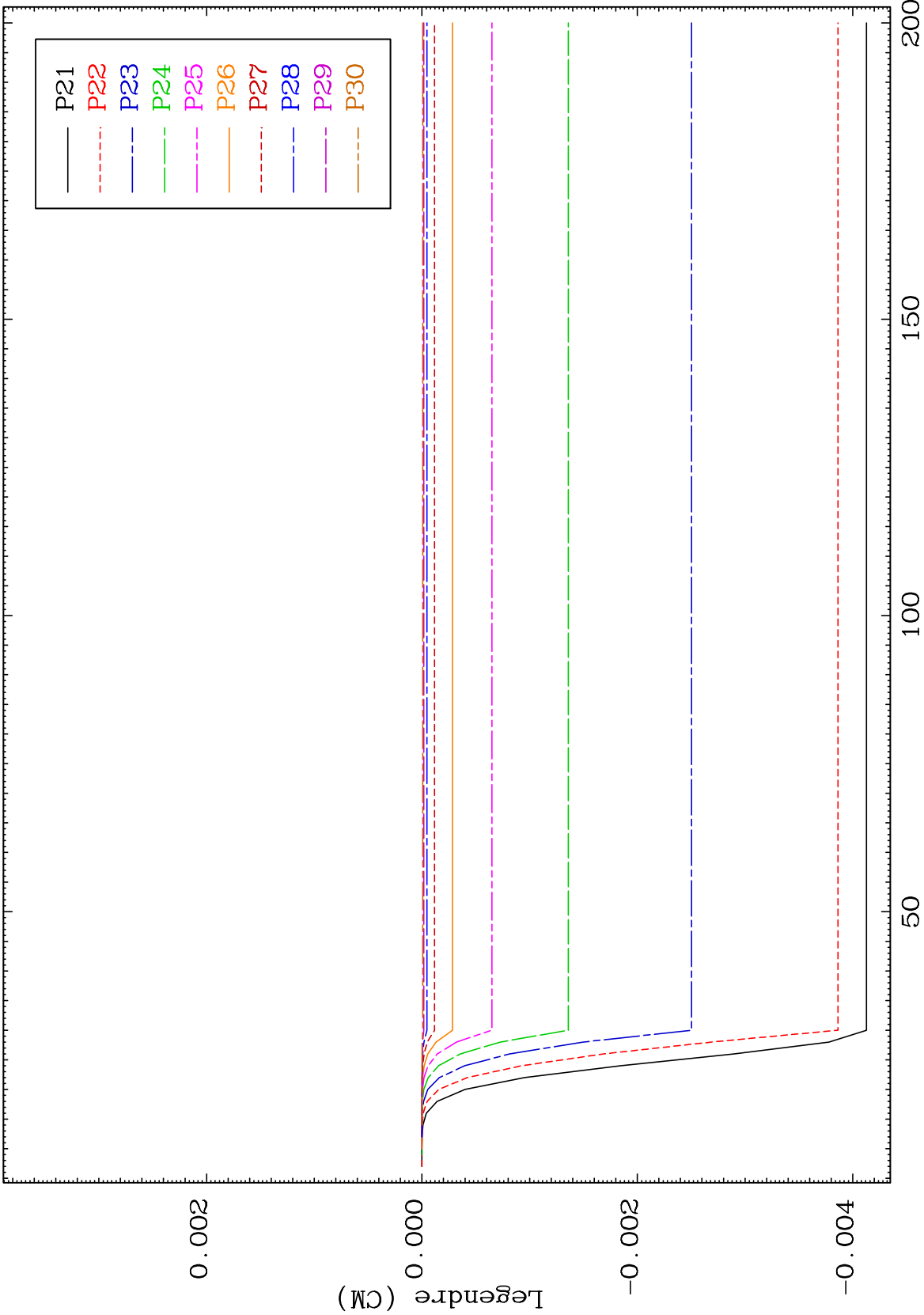
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

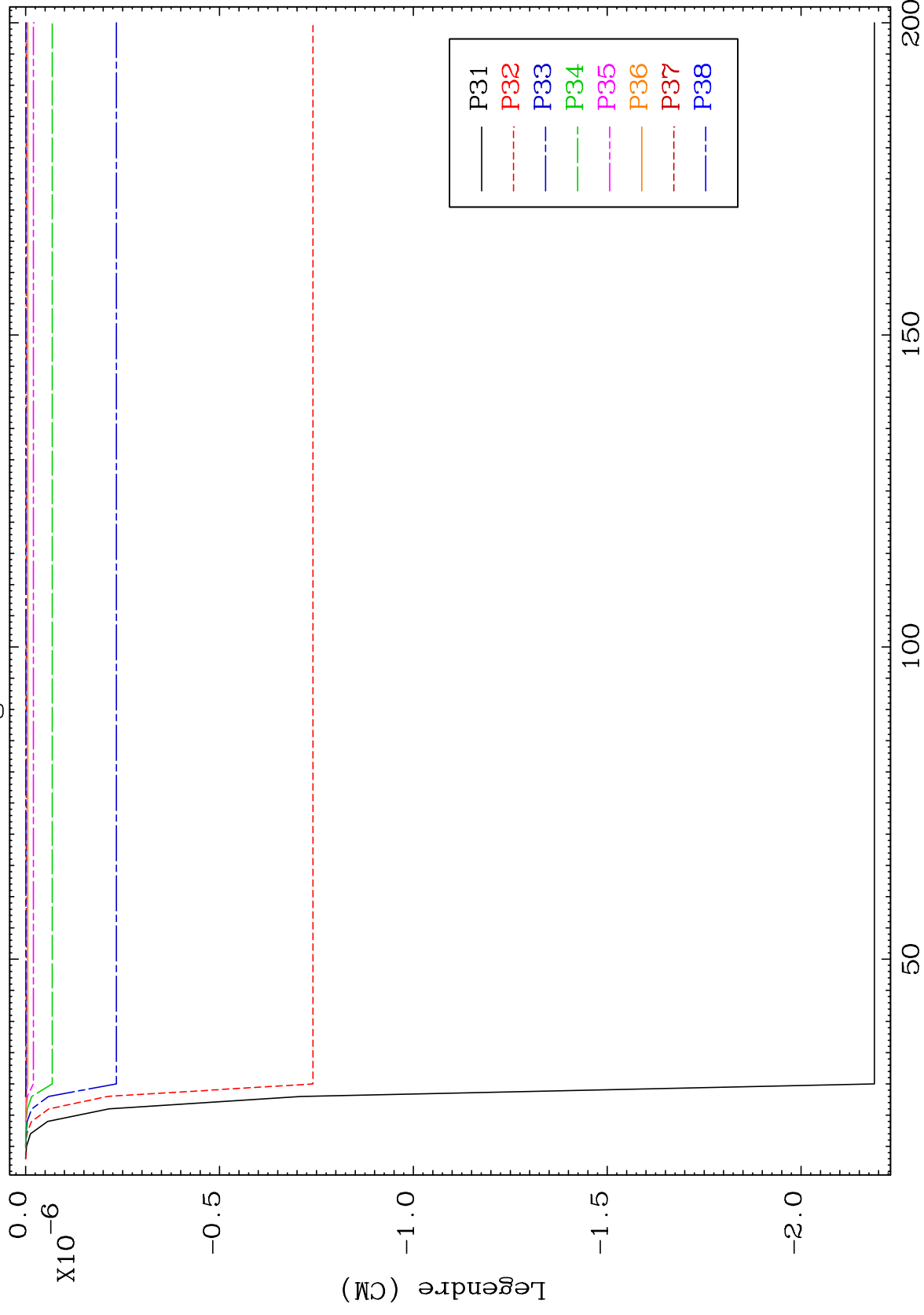
83-Bi-202



MAT 8304

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

83-Bi-202



95

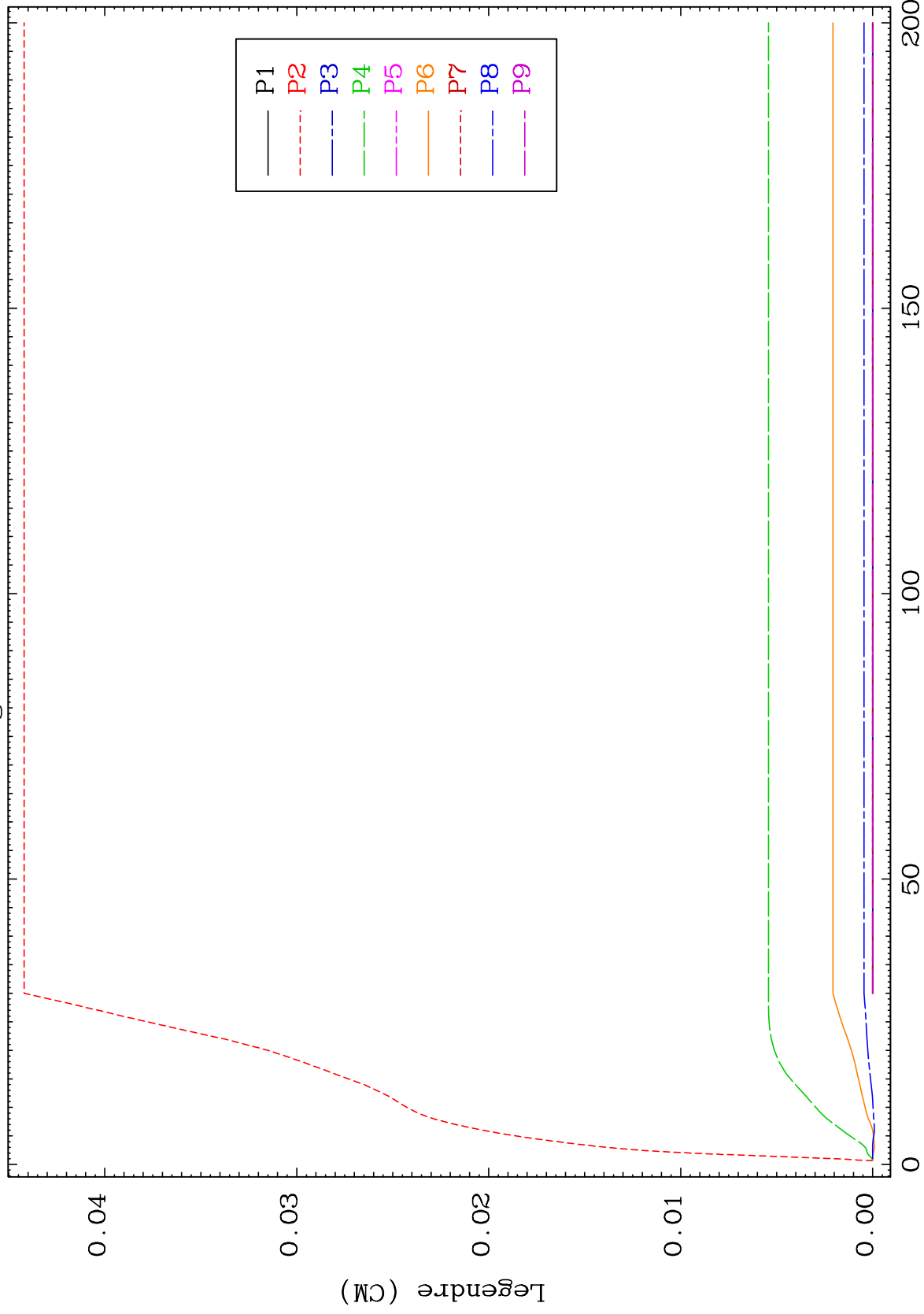
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



96

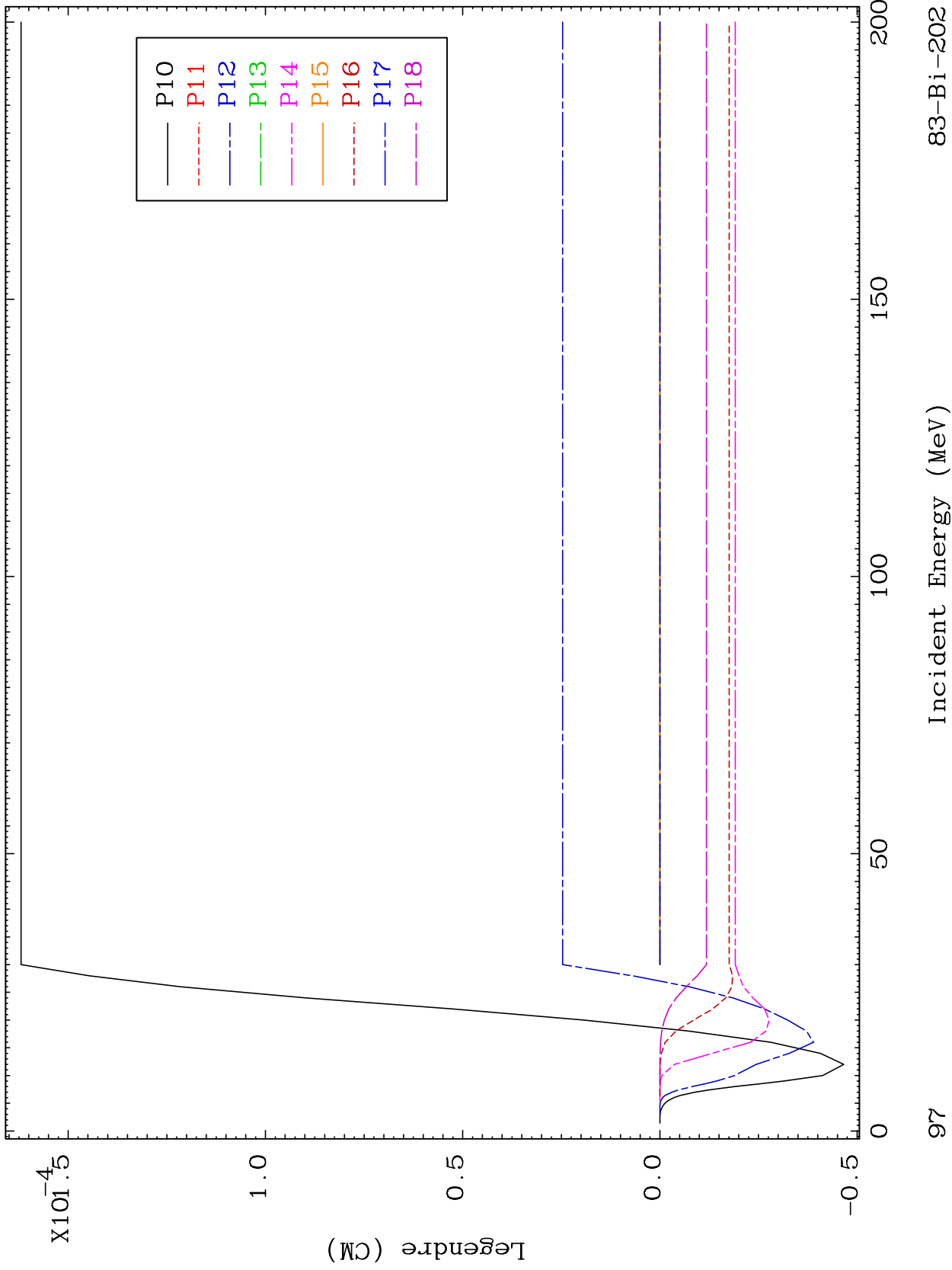
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



97

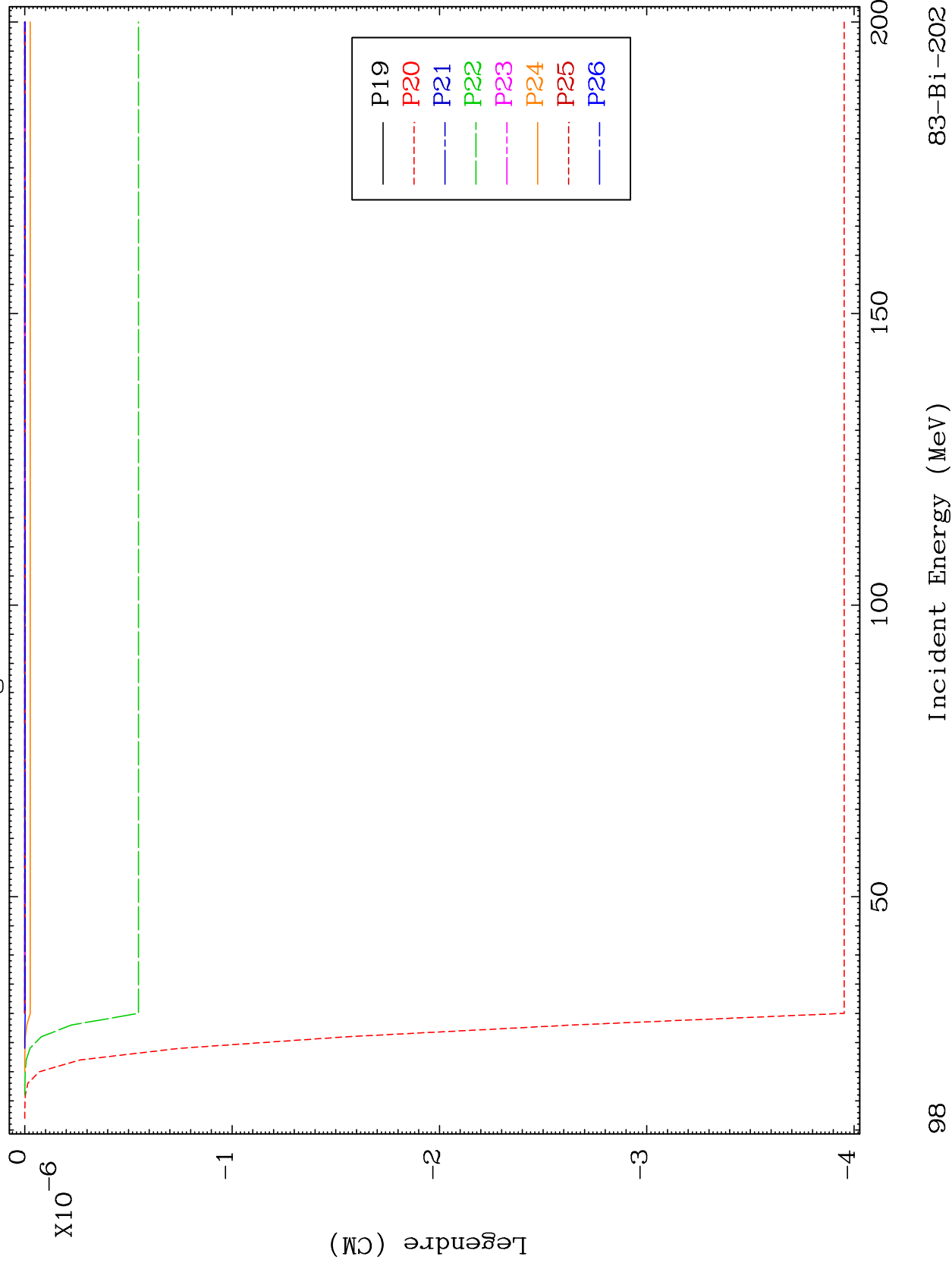
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



98

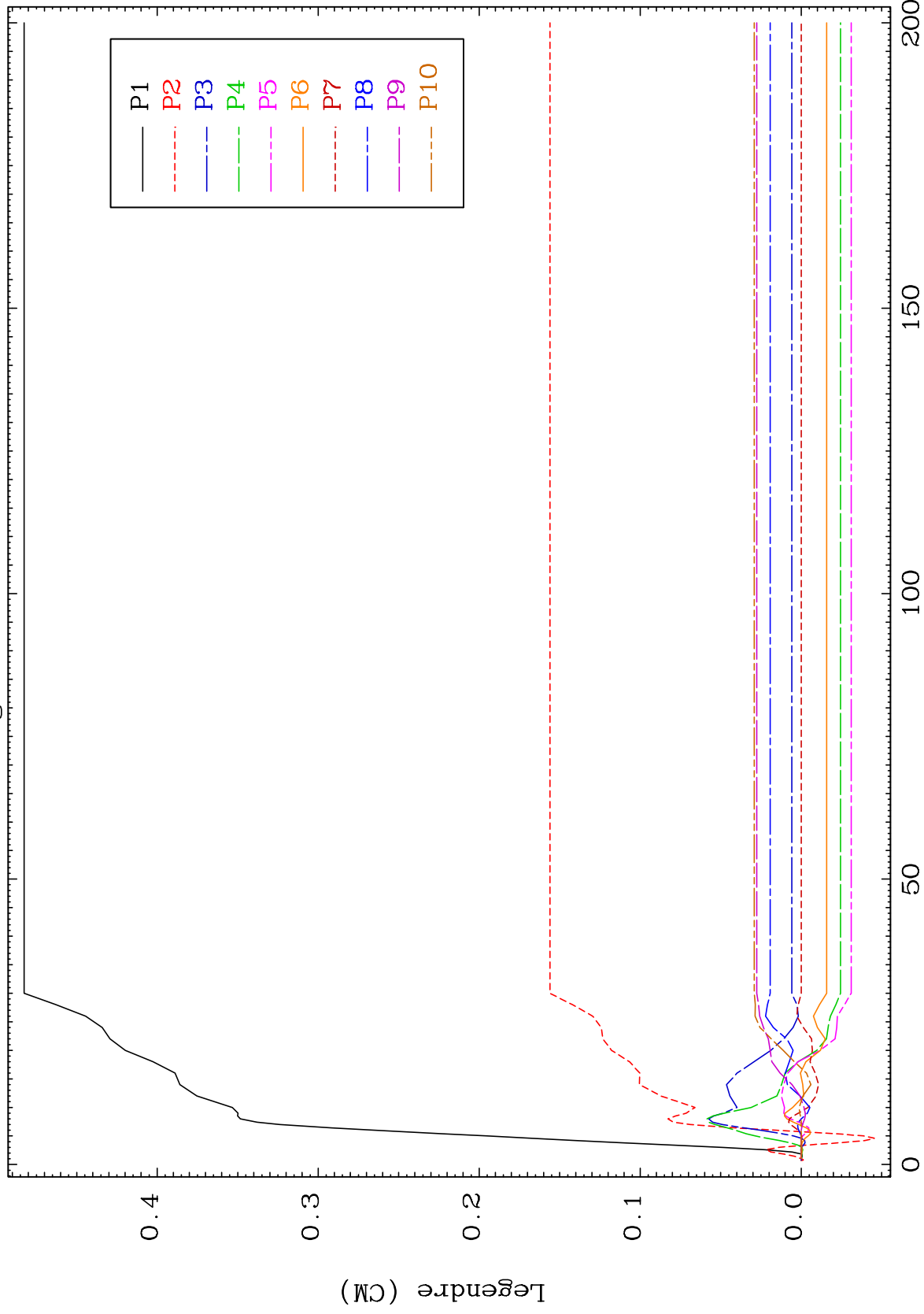
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



99

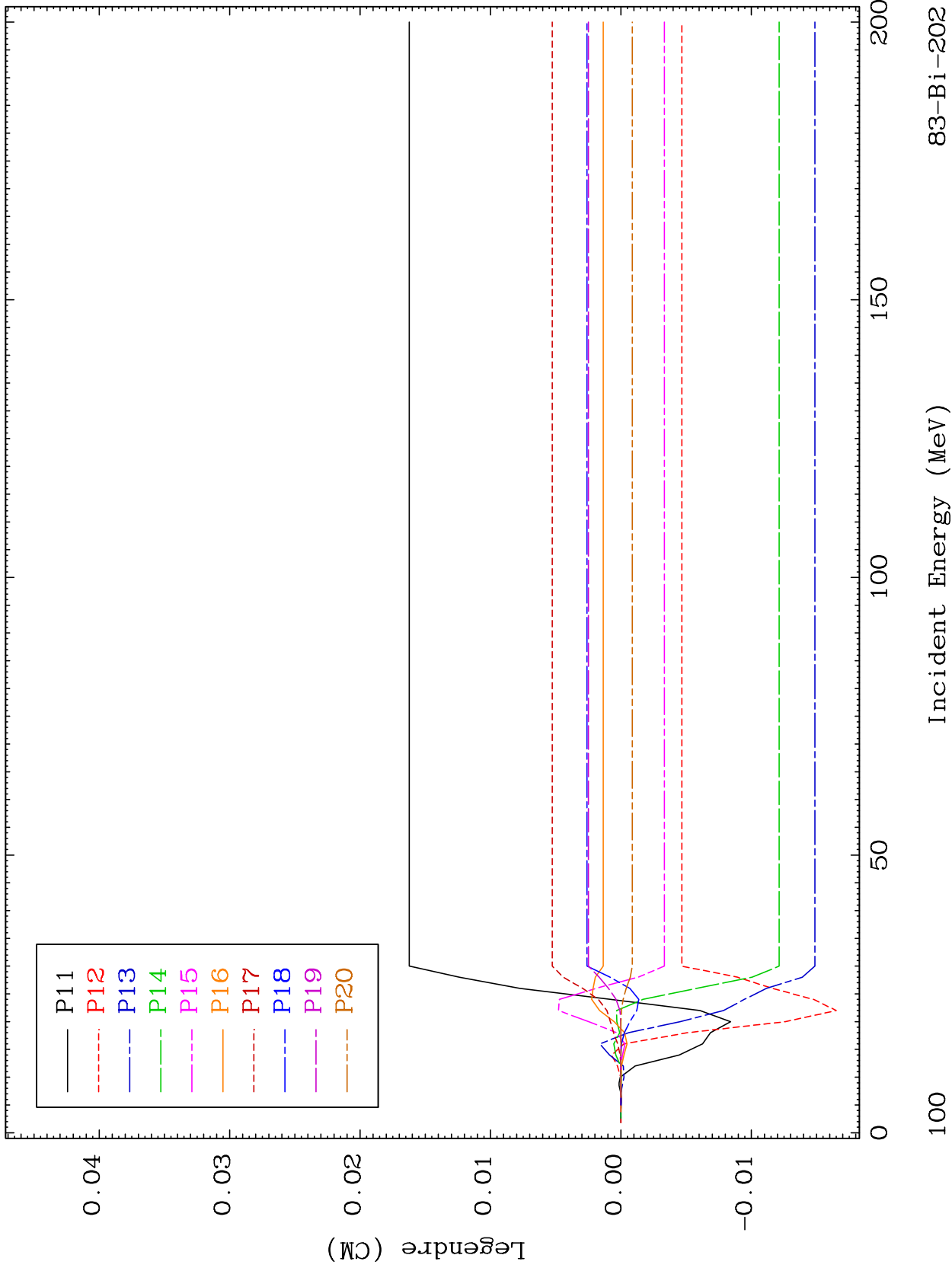
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



83-Bi-202

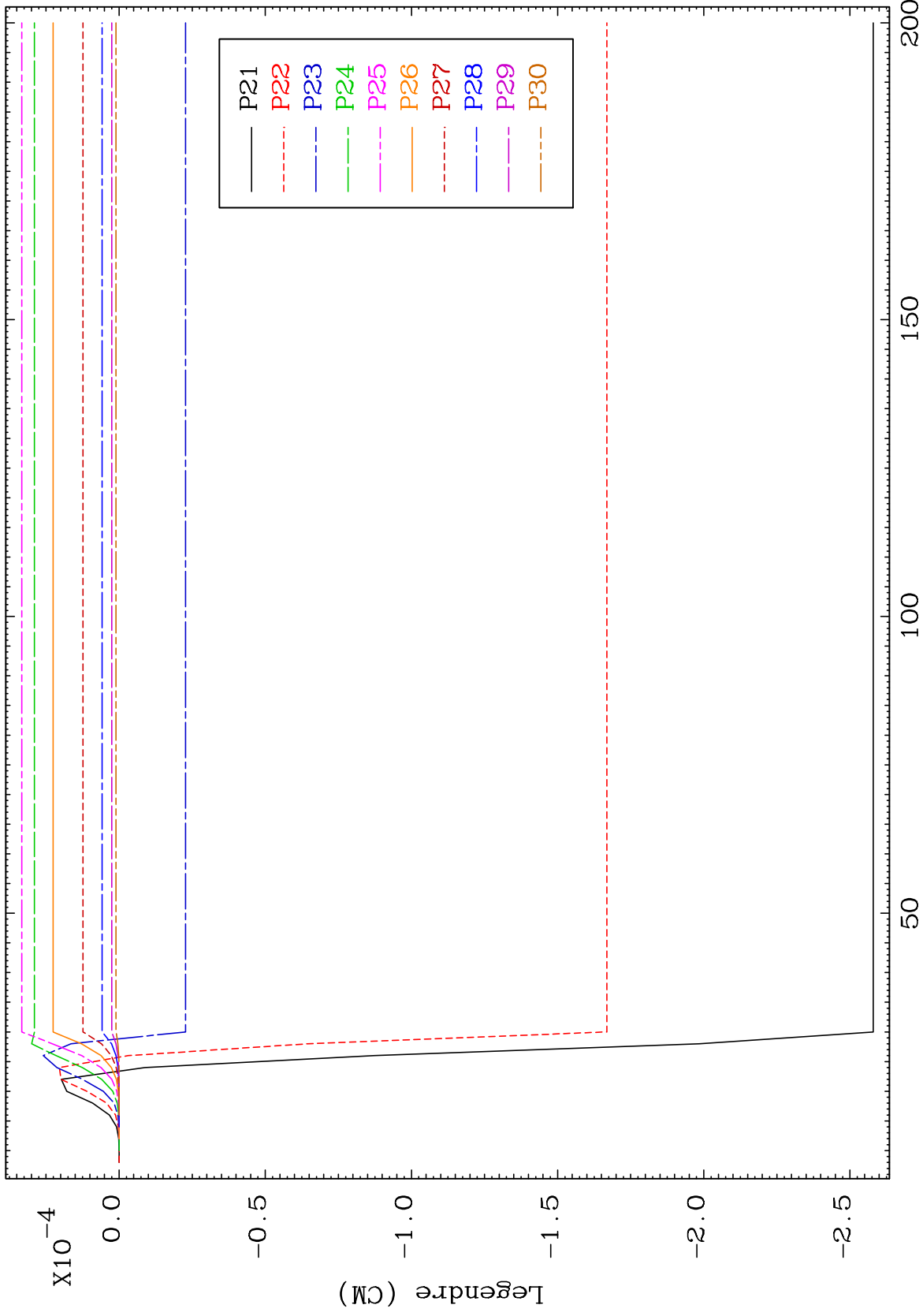
Incident Energy (MeV)

100

MAT 8304

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

83-Bi-202



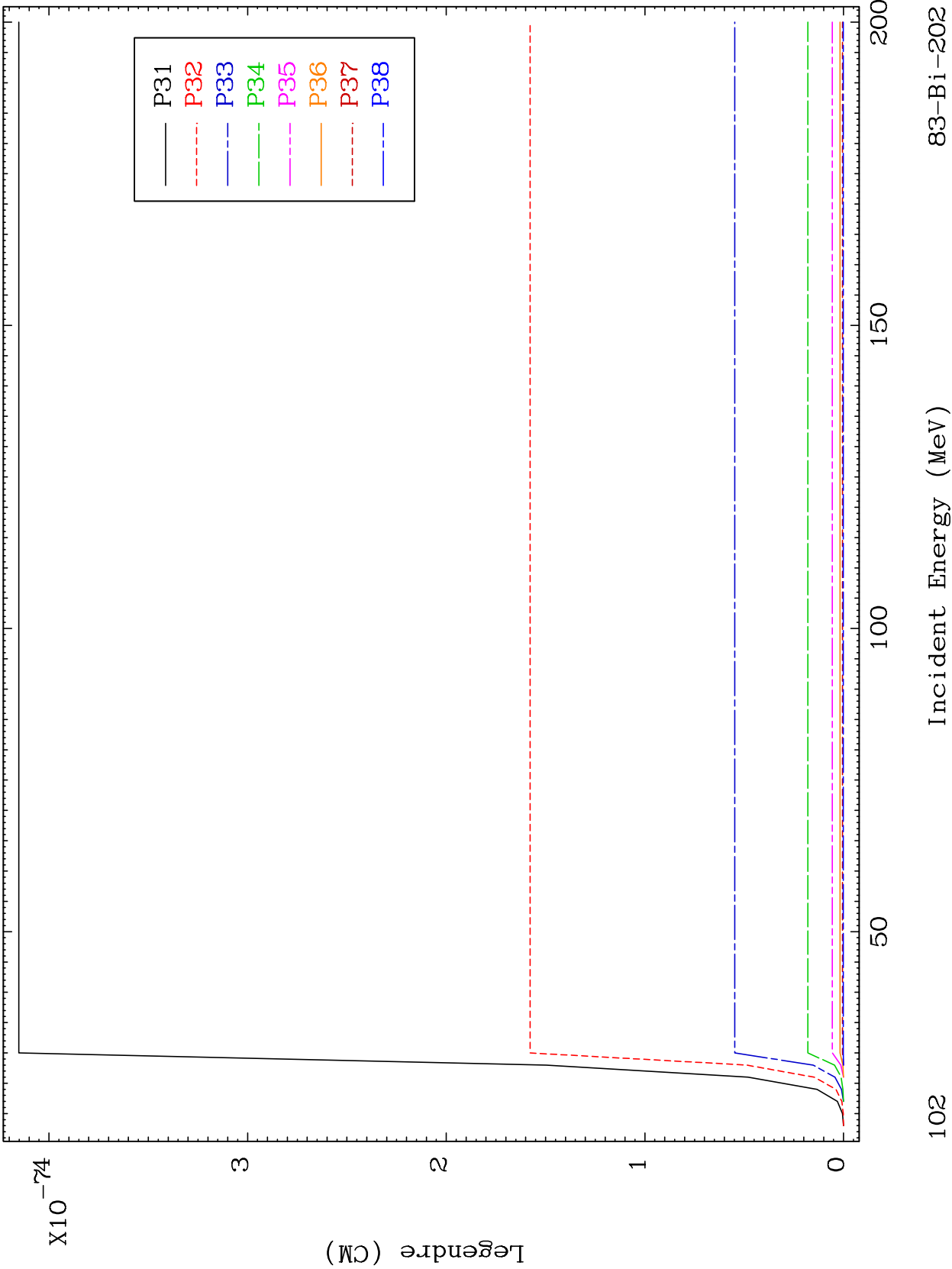
101

83-Bi-202

MAT 8304

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

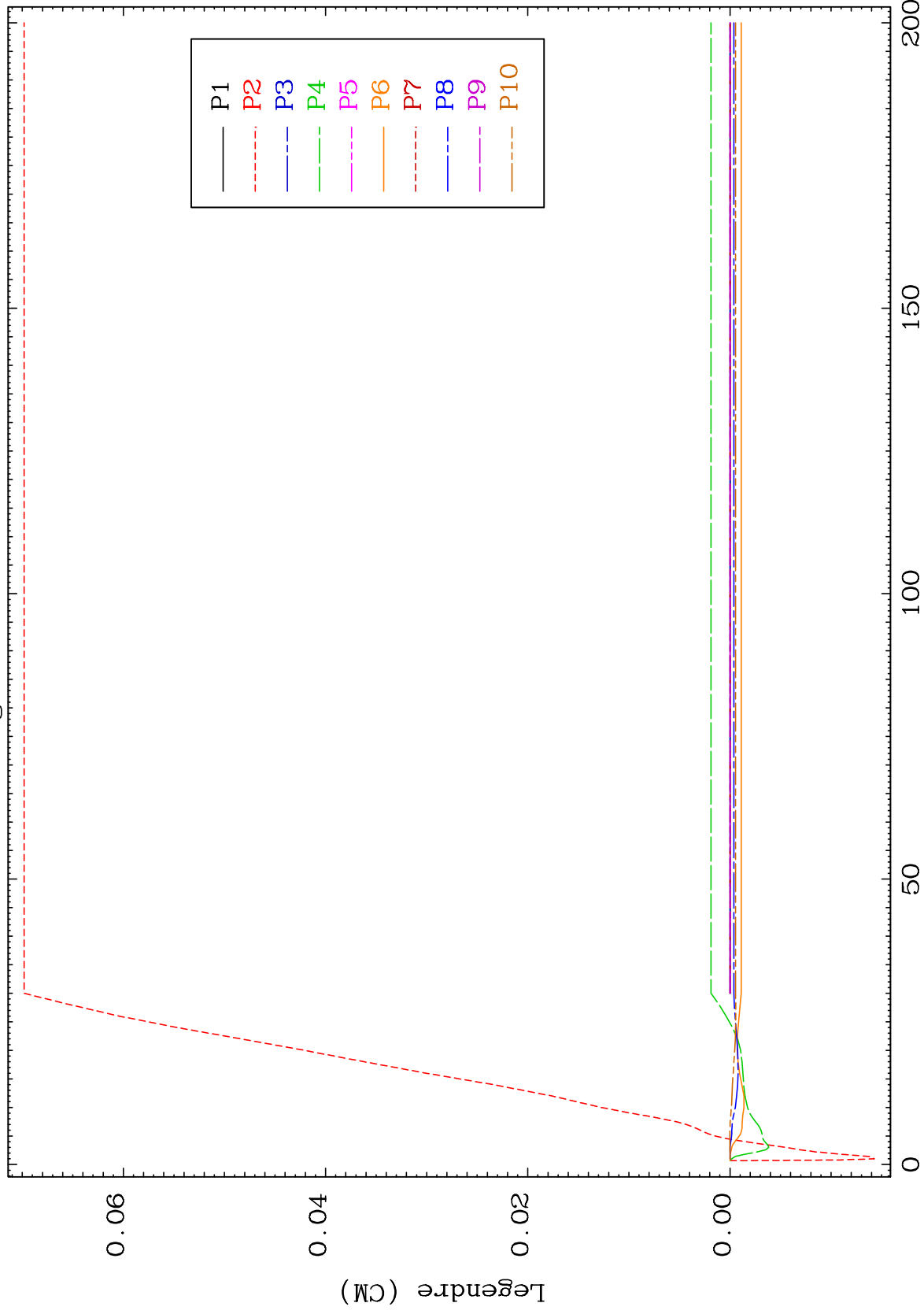
83-Bi-202



MAT 8304

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

83-Bi-202



103

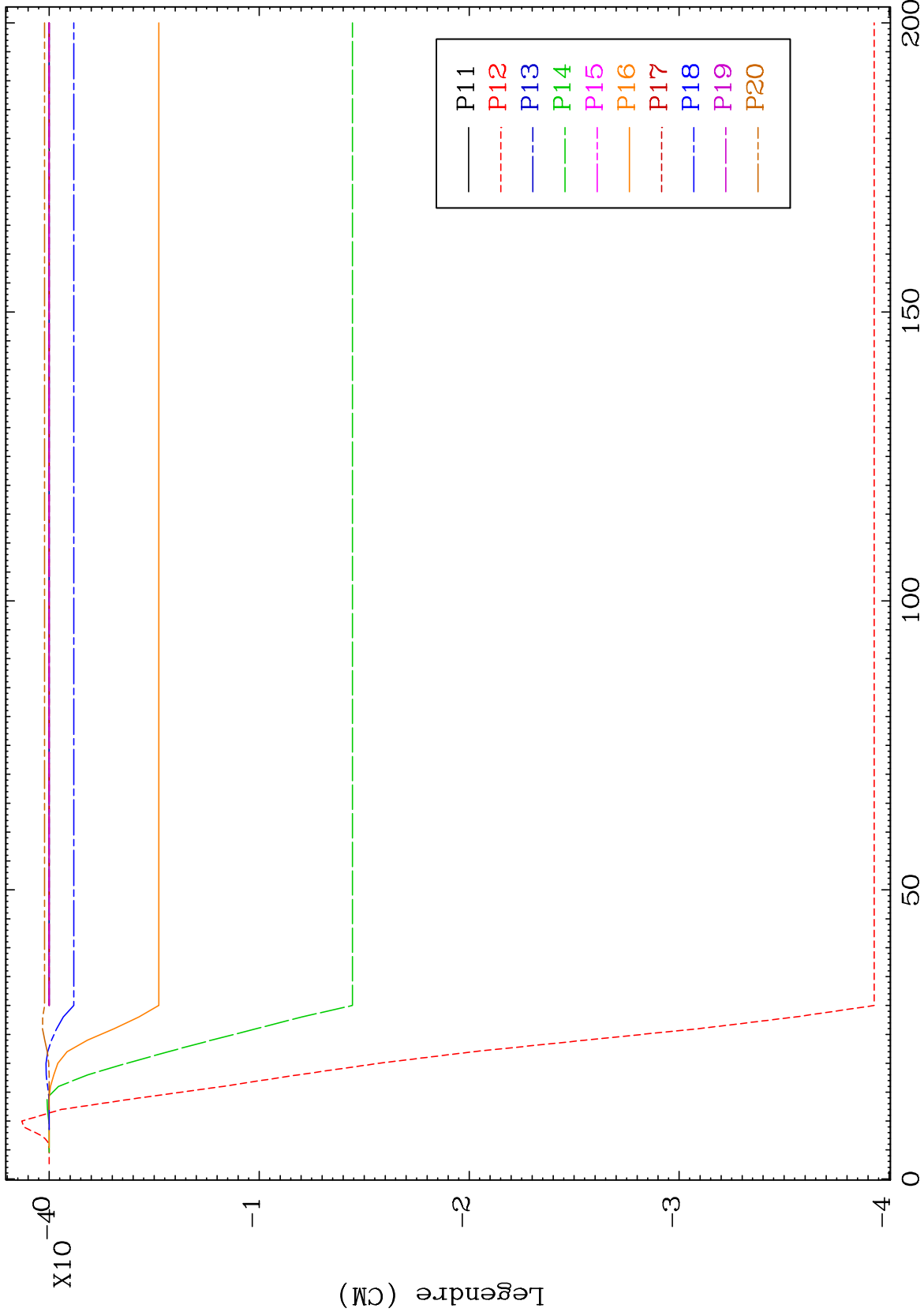
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



104

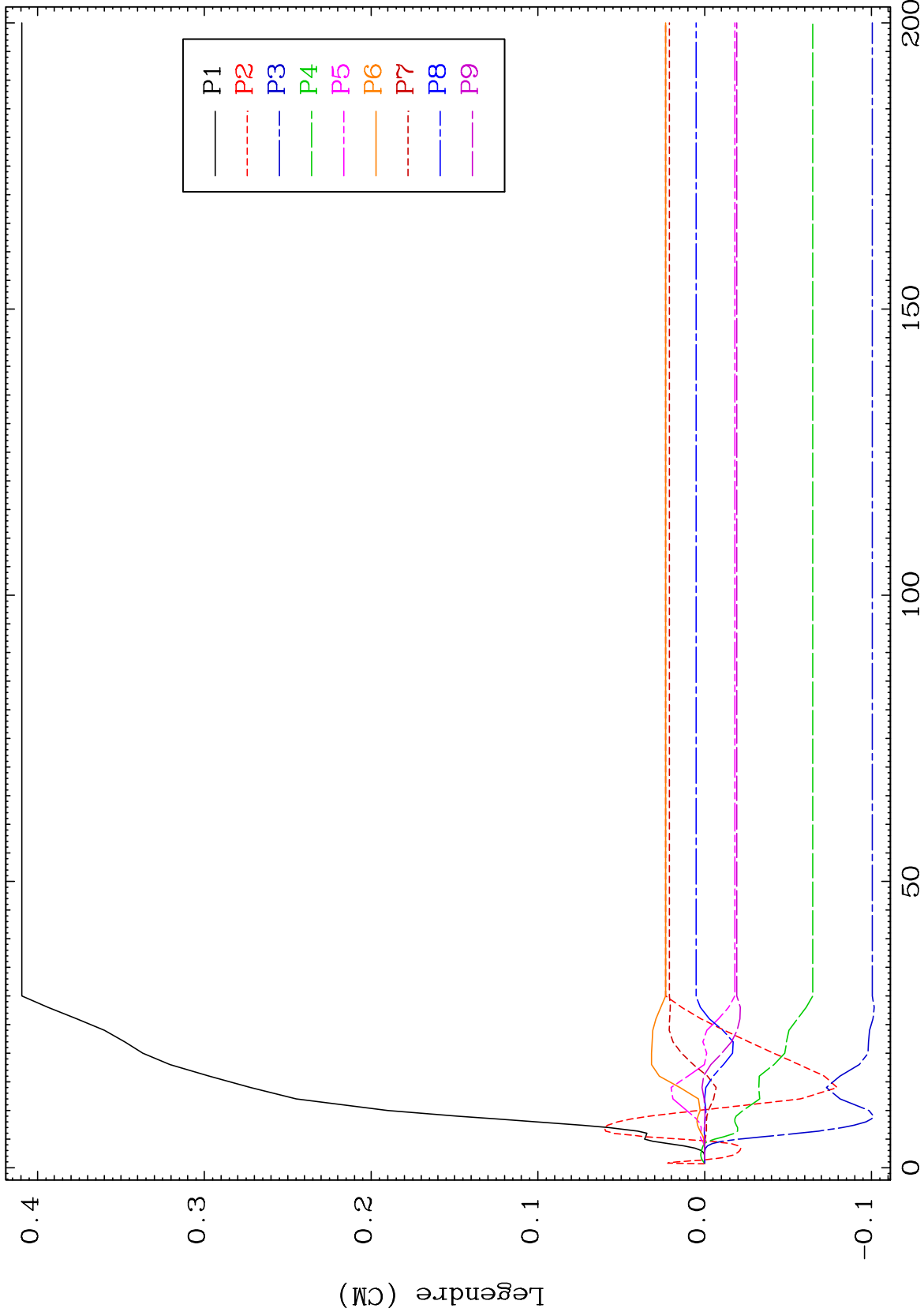
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



83-Bi-202

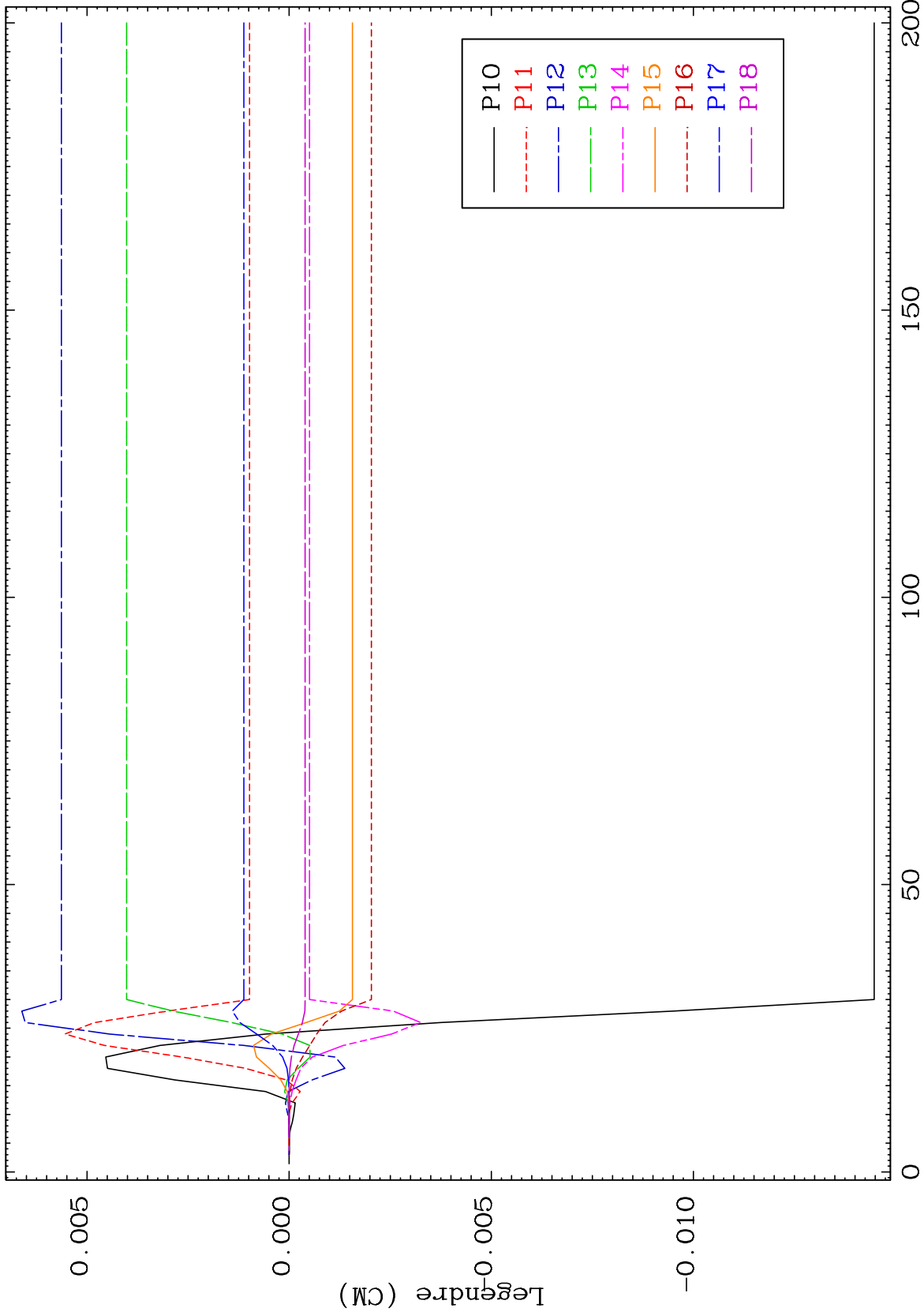
Incident Energy (MeV)

106

MAT 8304

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

83-Bi-202



107

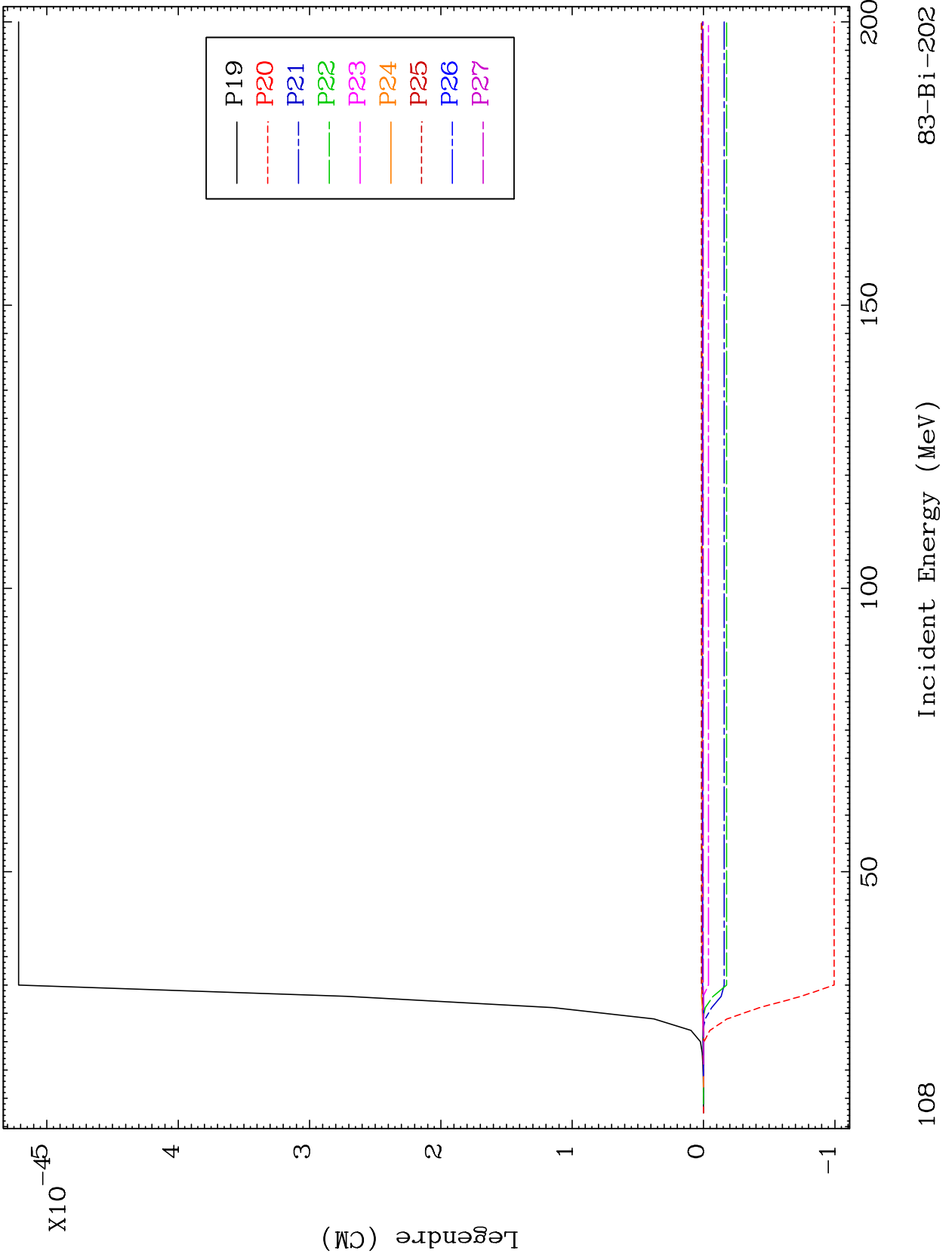
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

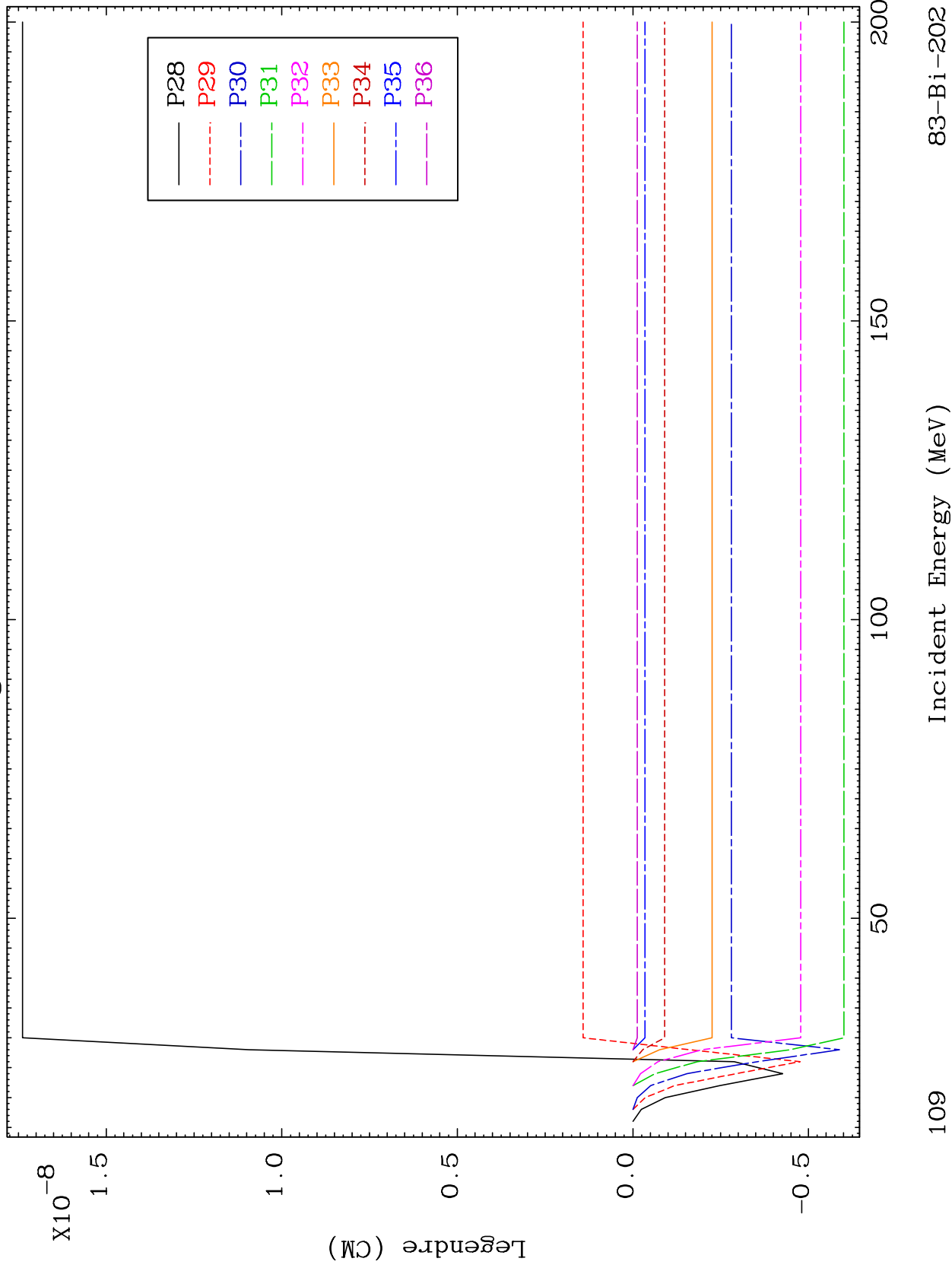
83-Bi-202



MAT 8304

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

83-Bi-202



109

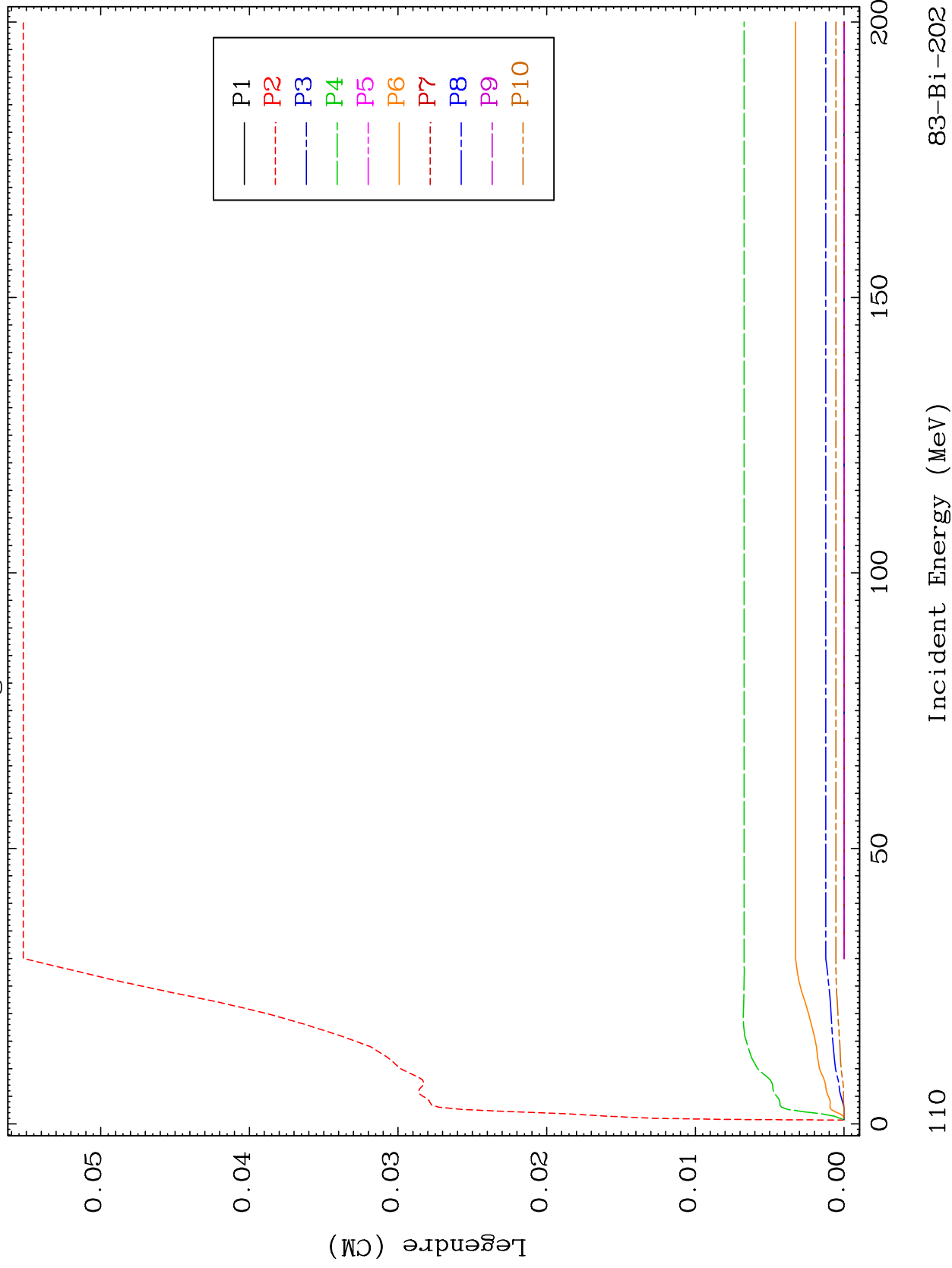
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



83-Bi-202

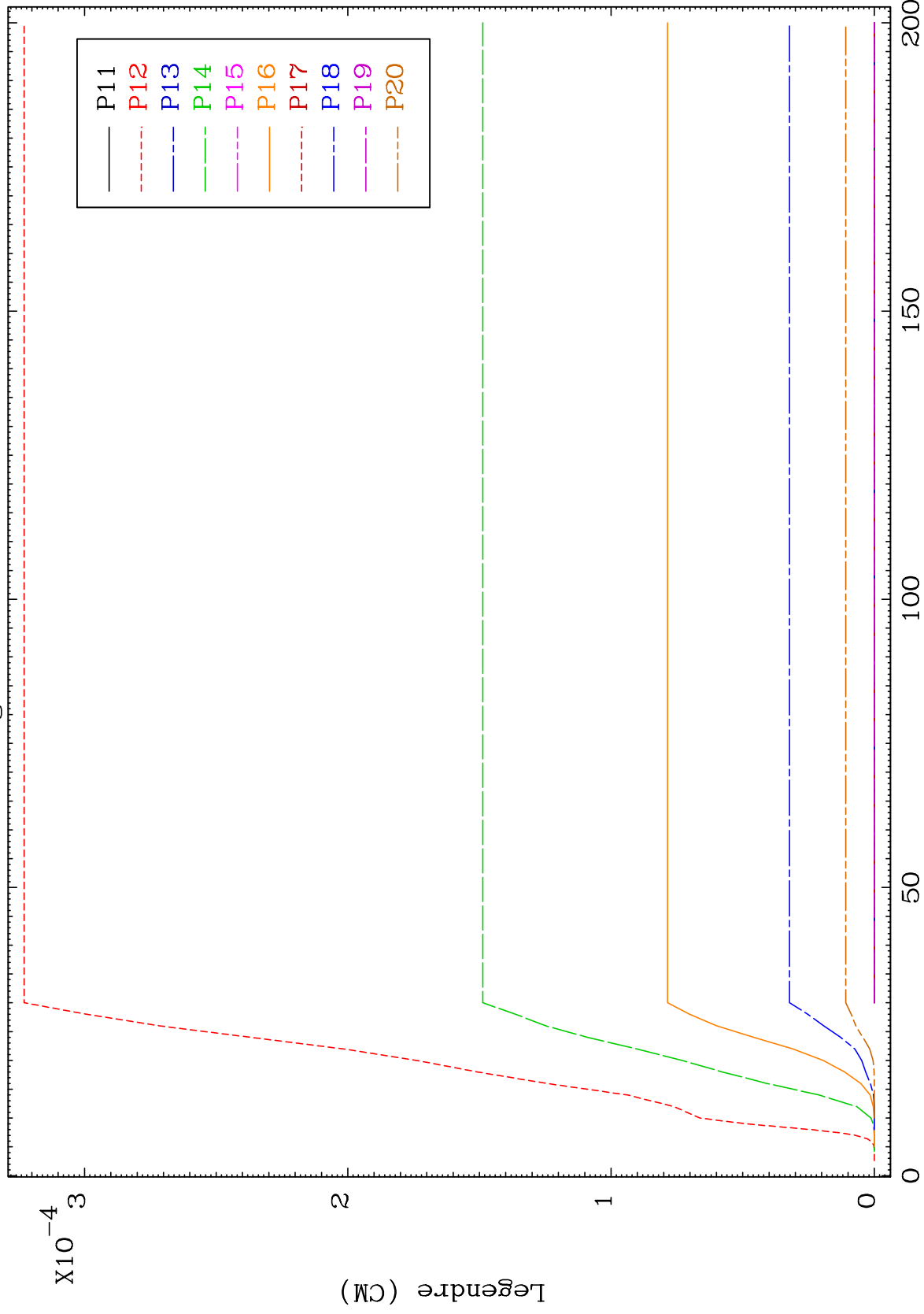
Incident Energy (MeV)

110

MAT 8304

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

83-Bi-202



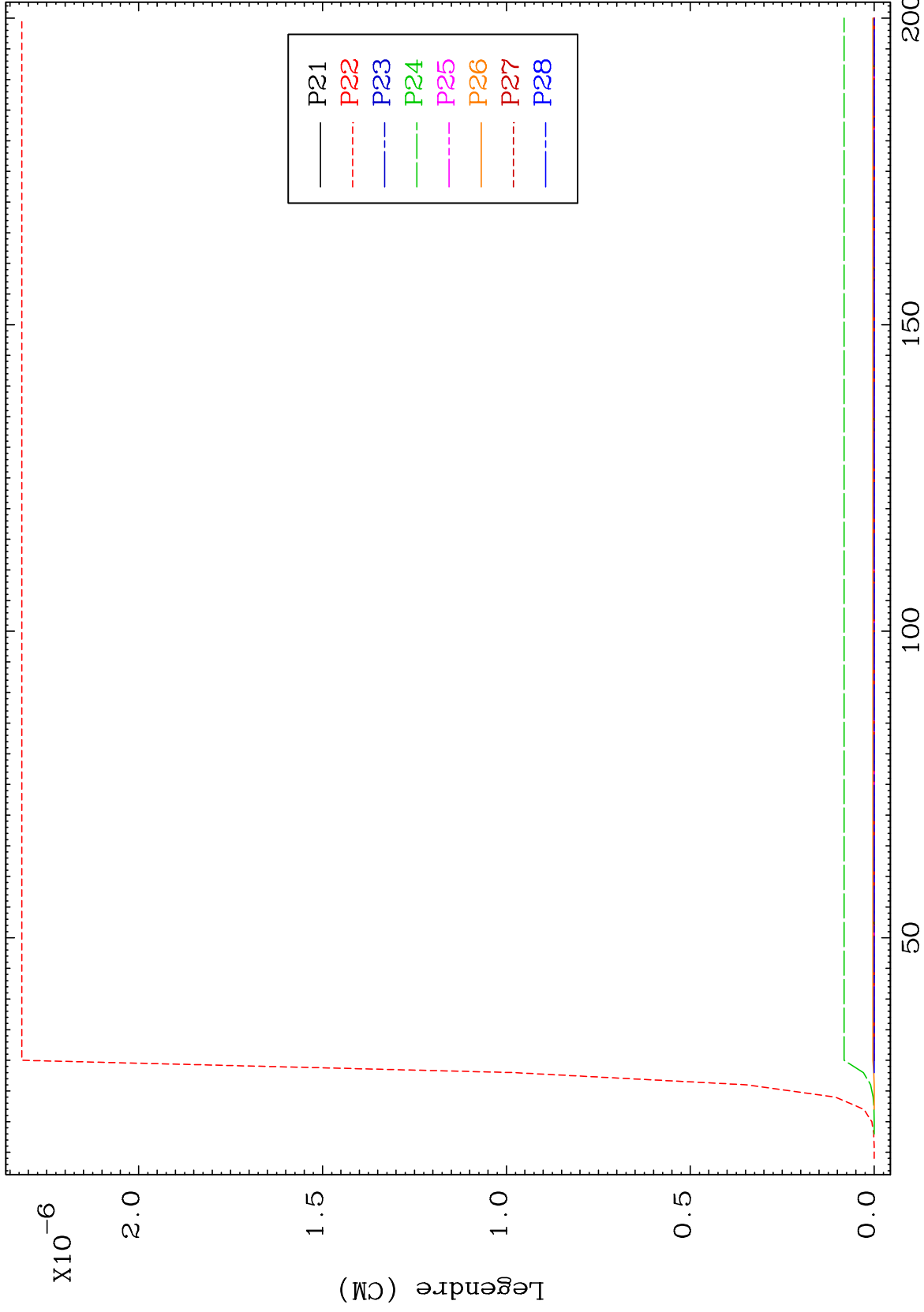
111

83-Bi-202

MAT 8304

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

83-Bi-202



112

Incident Energy (MeV)

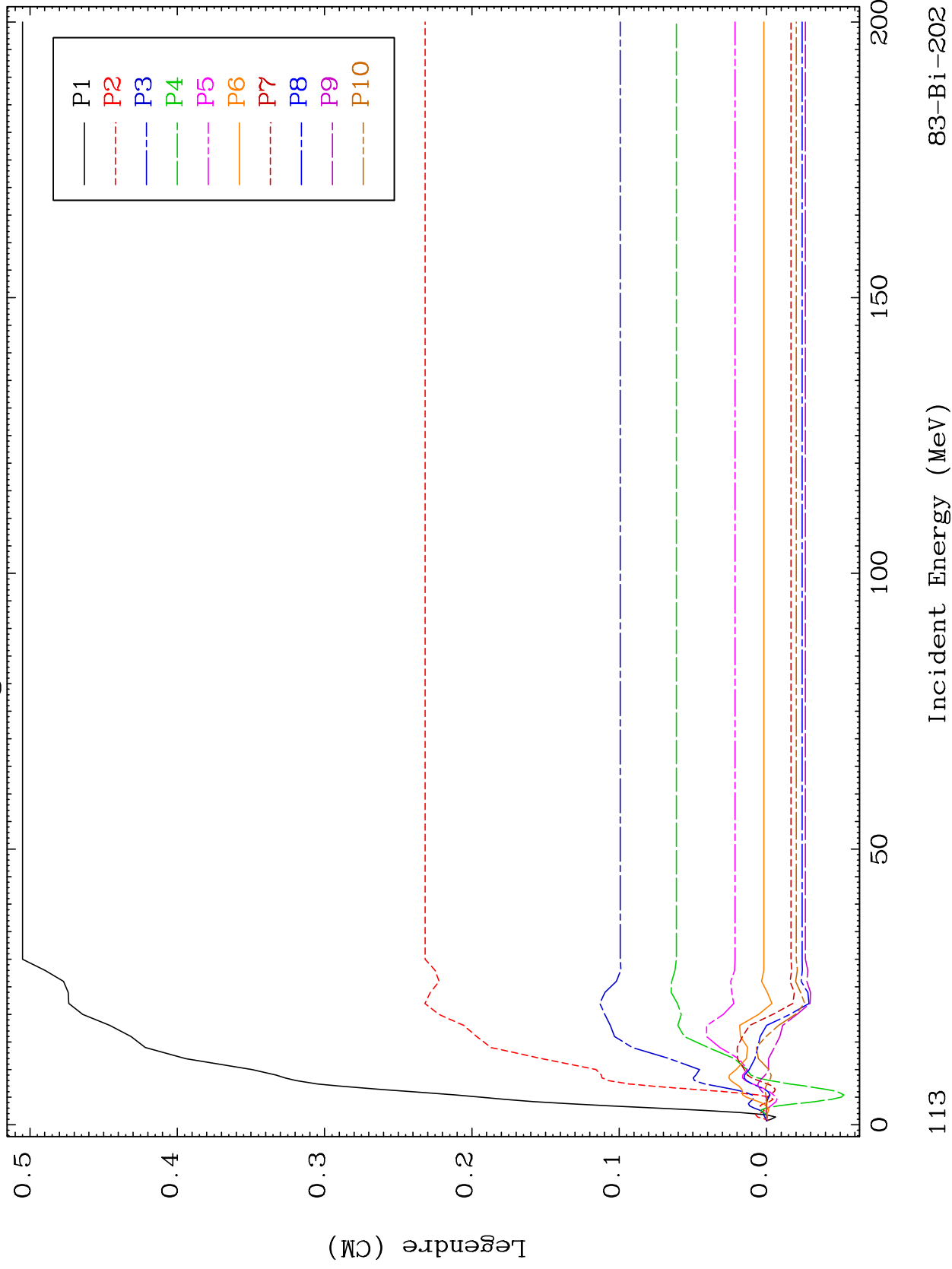
83-Bi-202

MAT 8304

MT= 78 (n,n') Level

83-Bi-202

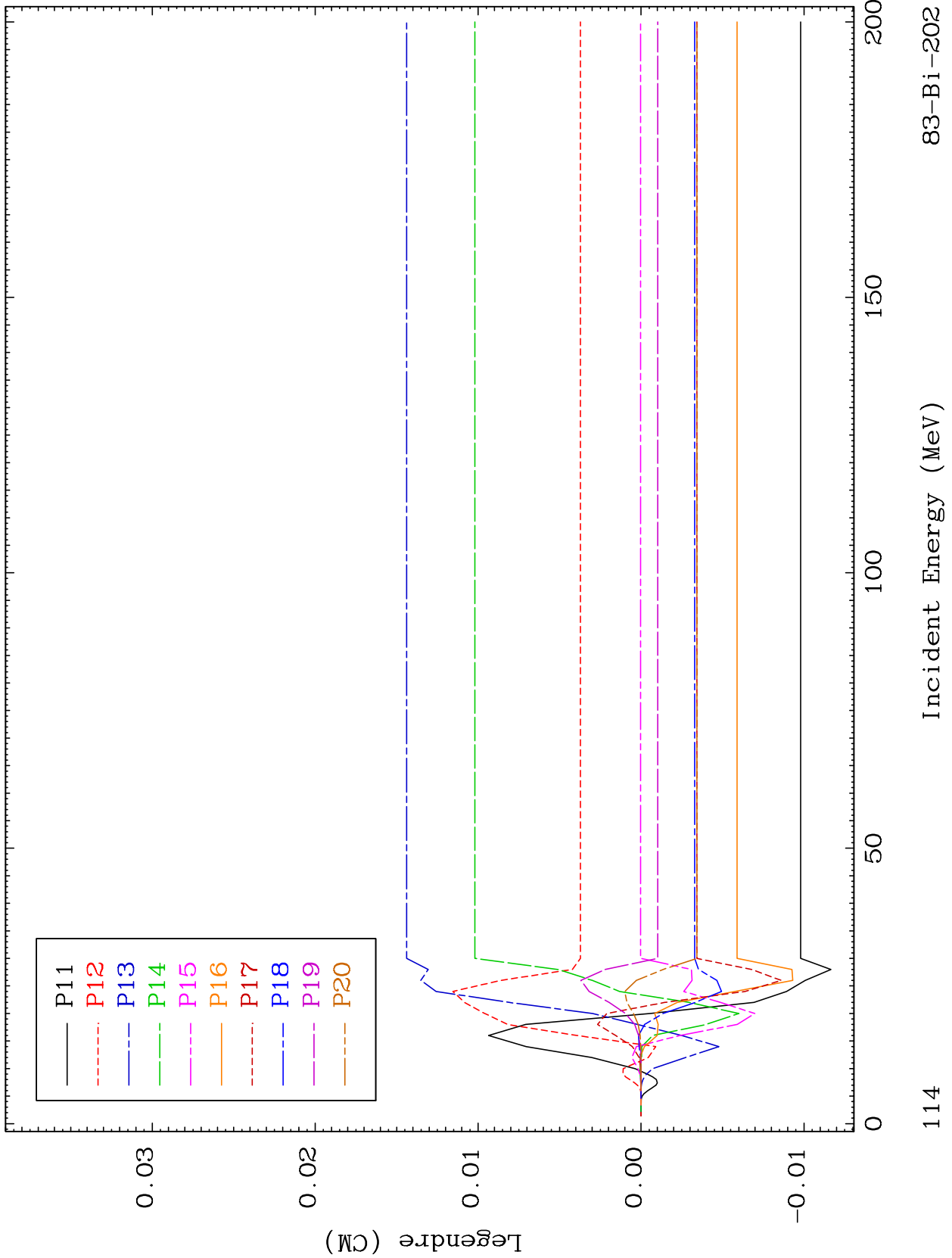
Legendre Coefficients



MAT 8304

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

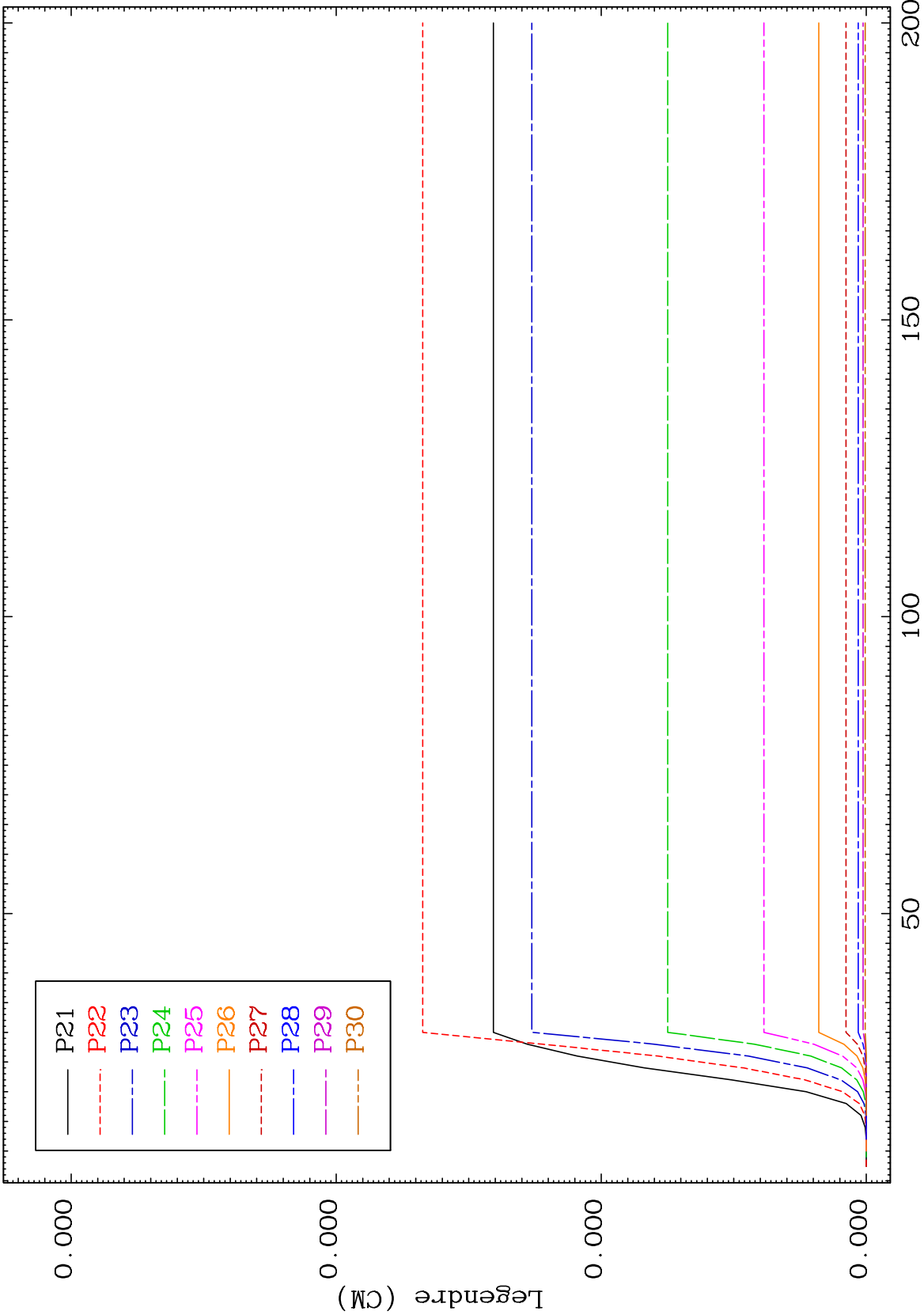
83-Bi-202



MAT 8304

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

83-Bi-202



115

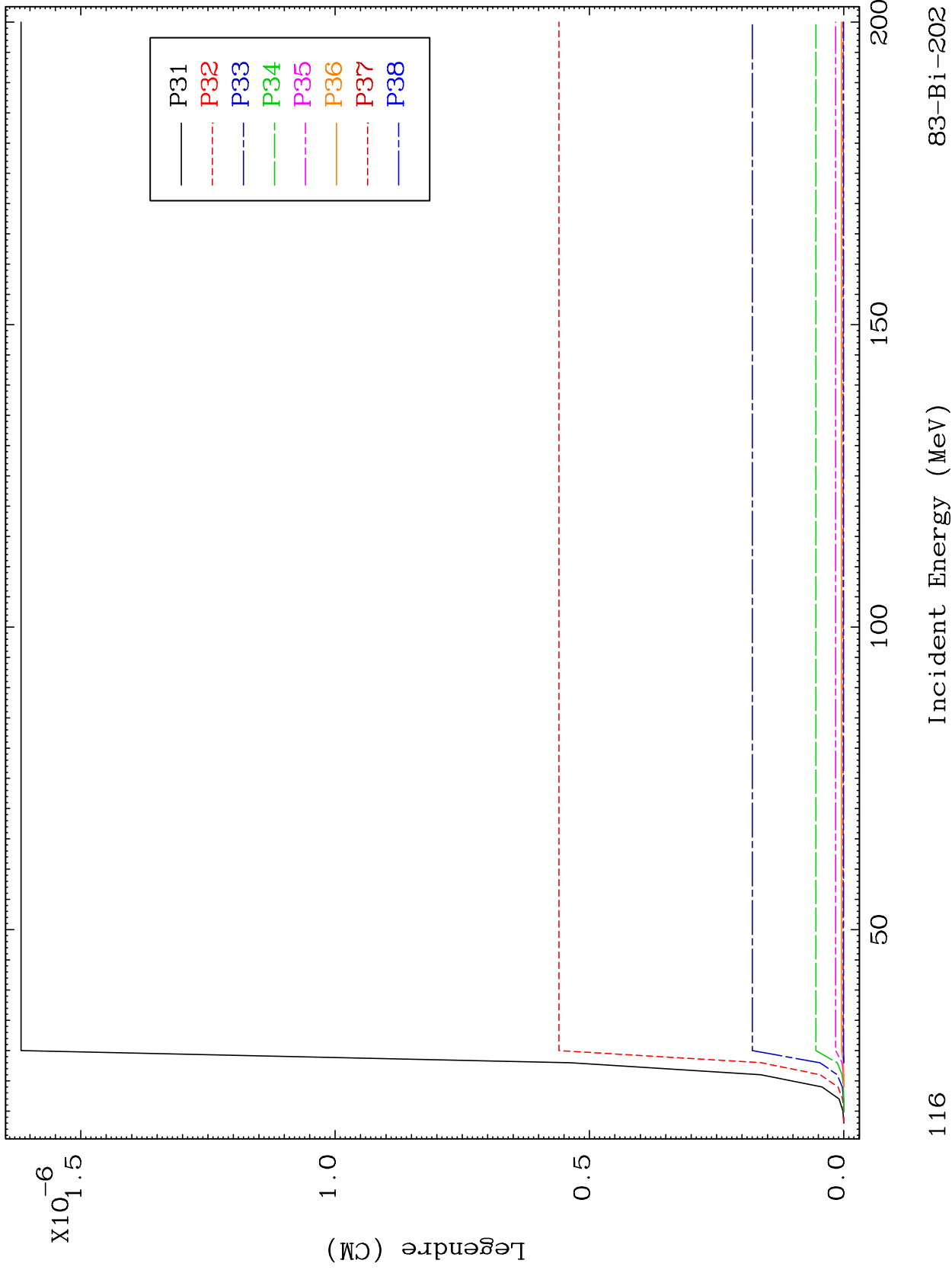
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

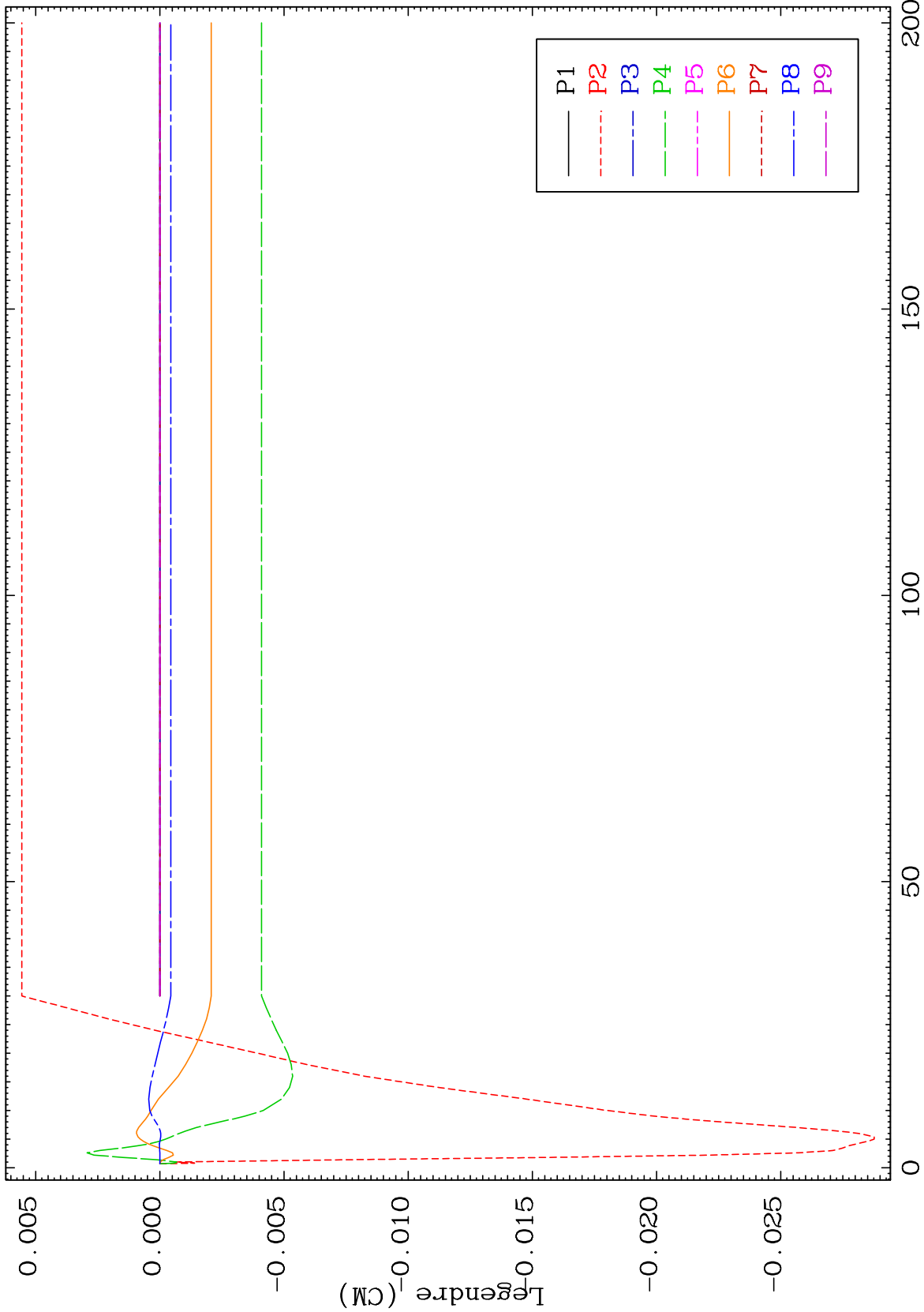
83-Bi-202



MAT 8304

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

83-Bi-202



117

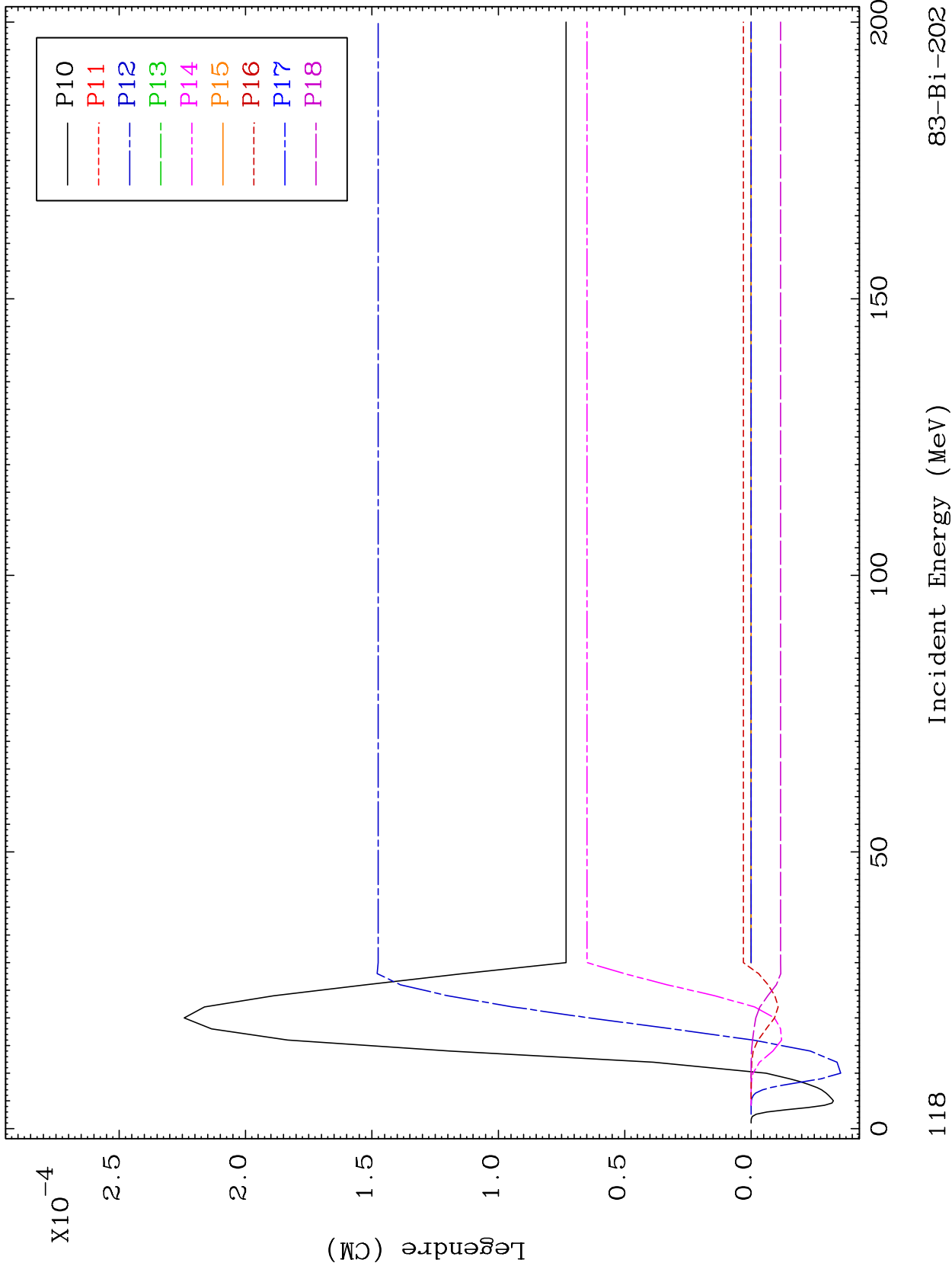
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



118

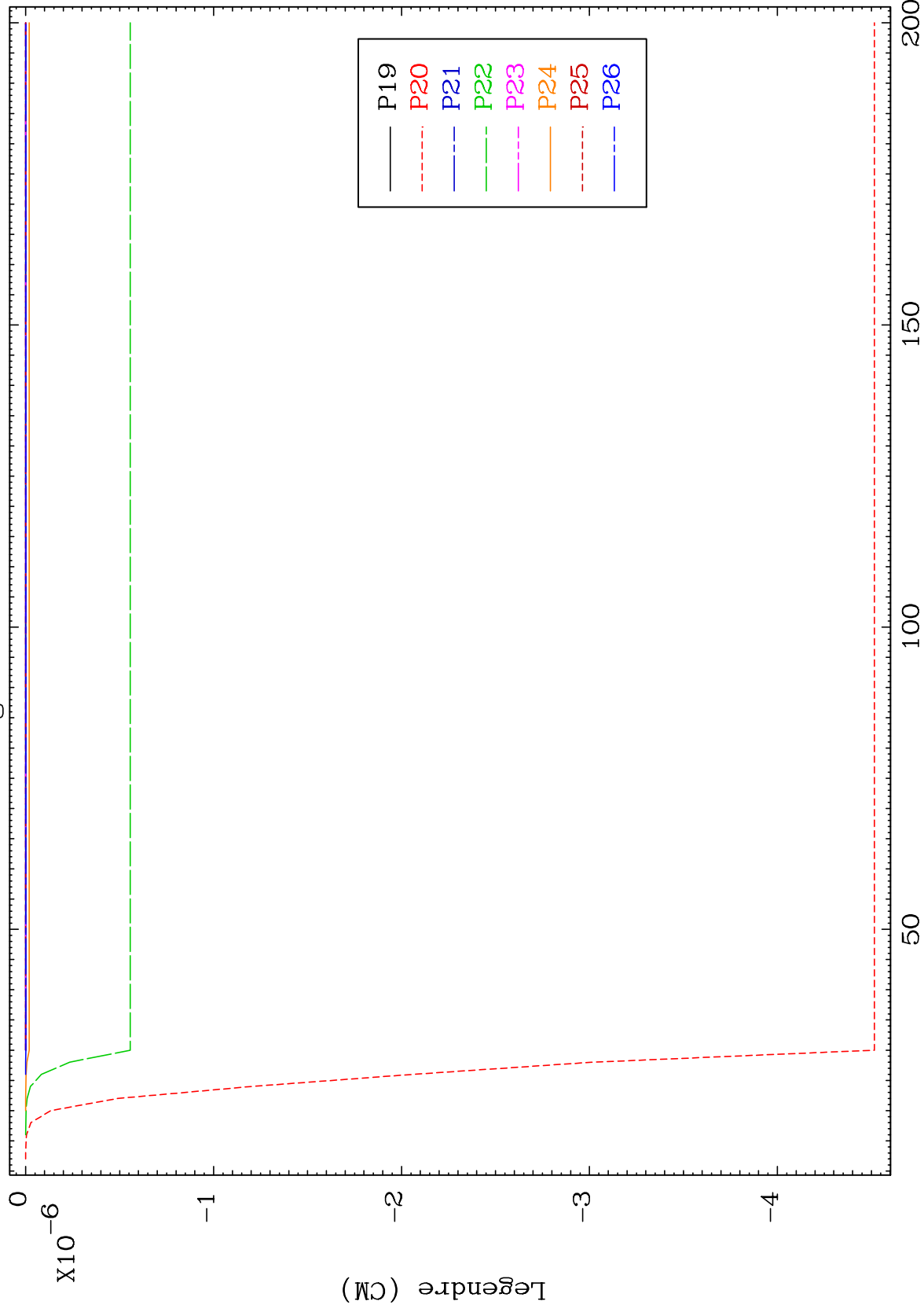
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



119

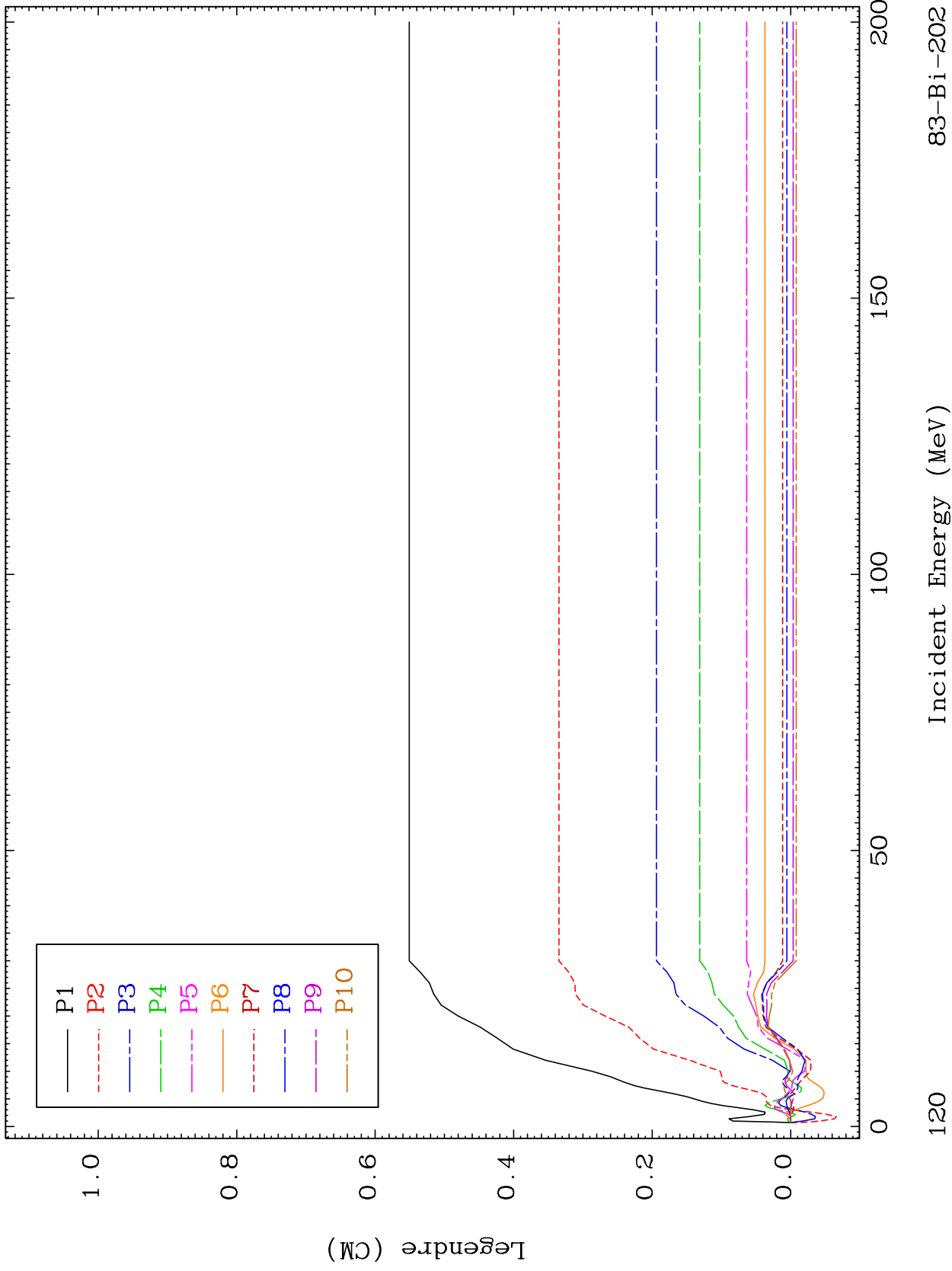
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

83-Bi-202



83-Bi-202

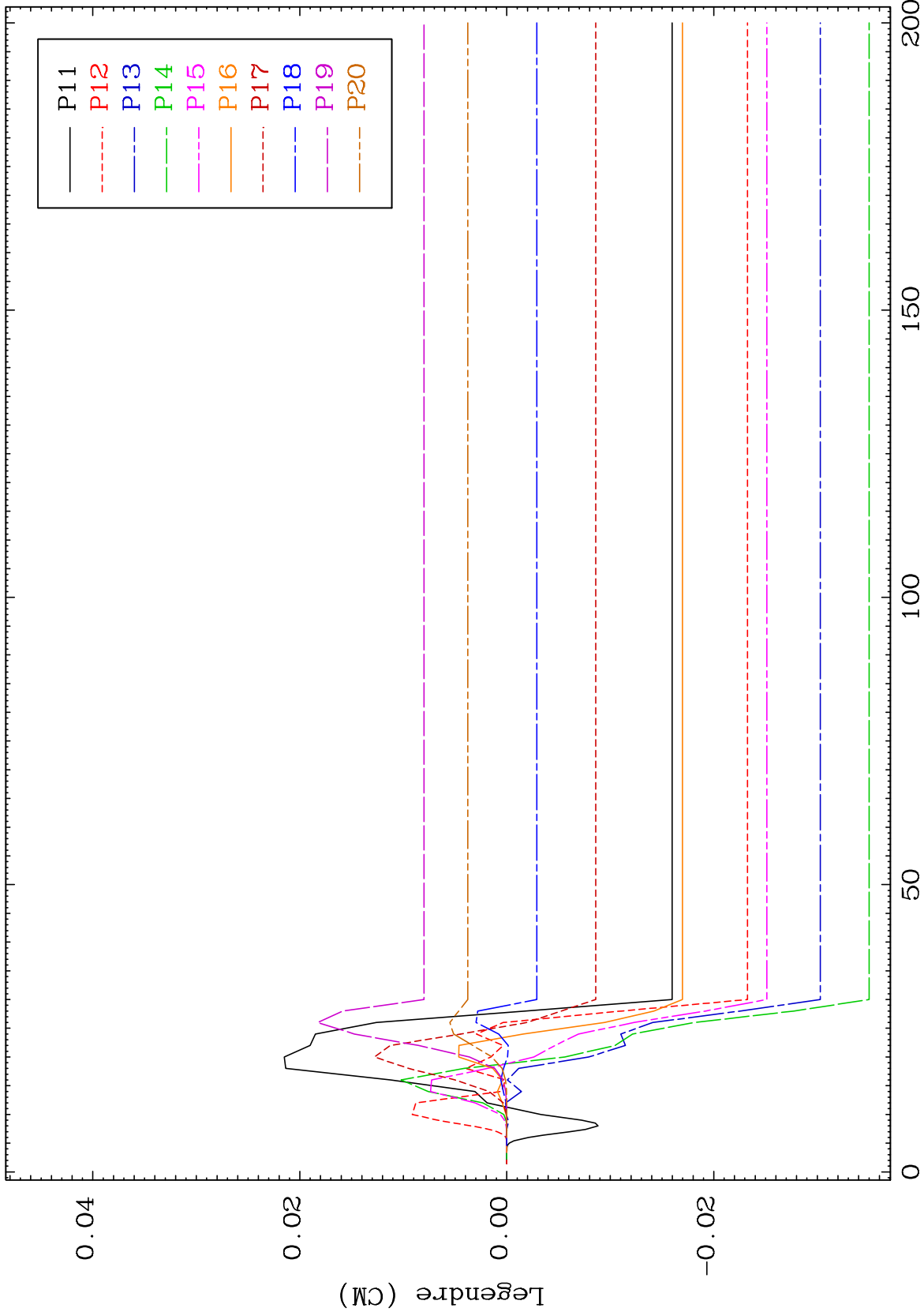
Incident Energy (MeV)

120

MAT 8304

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

83-Bi-202



121

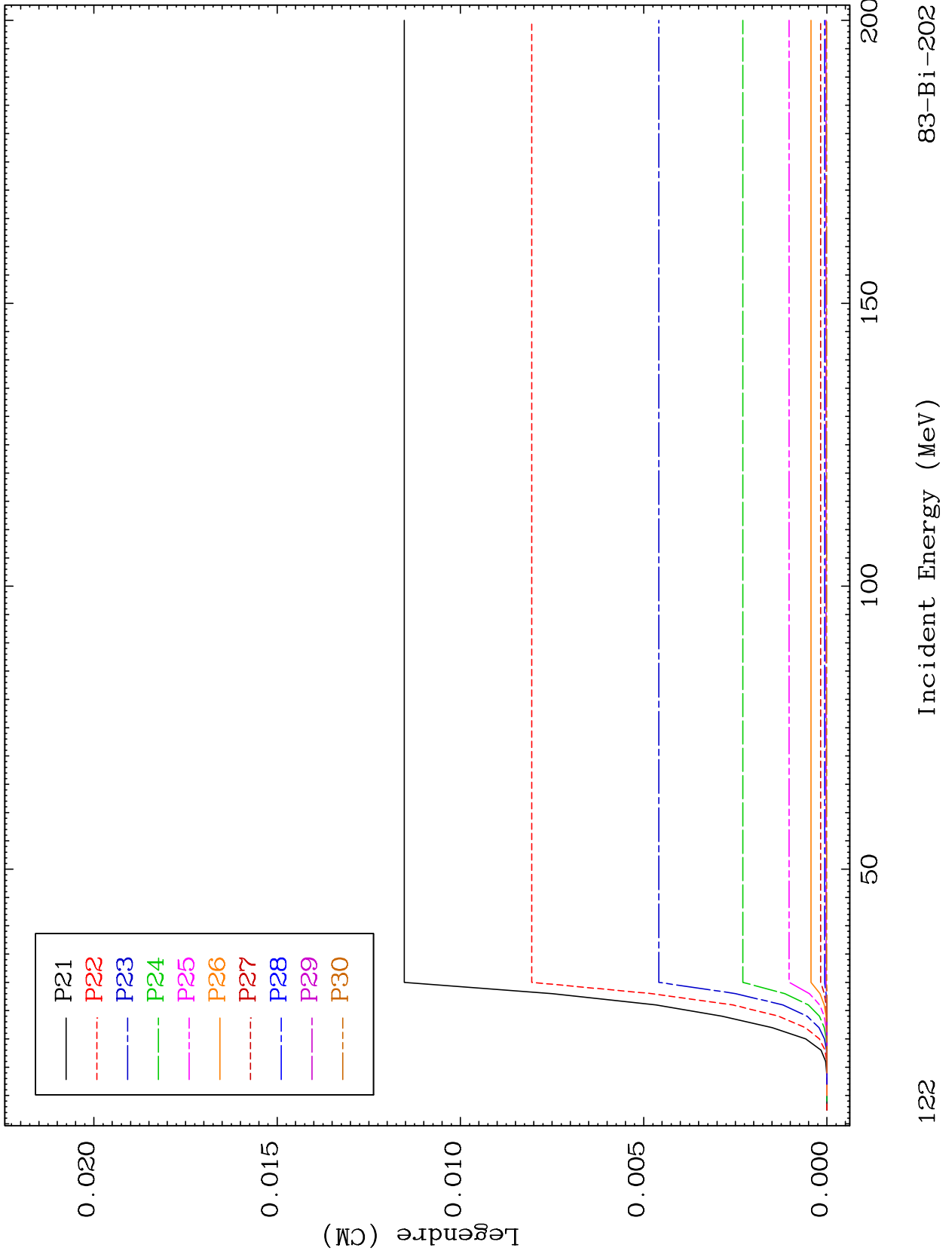
Incident Energy (MeV)

83-Bi-202

MAT 8304

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

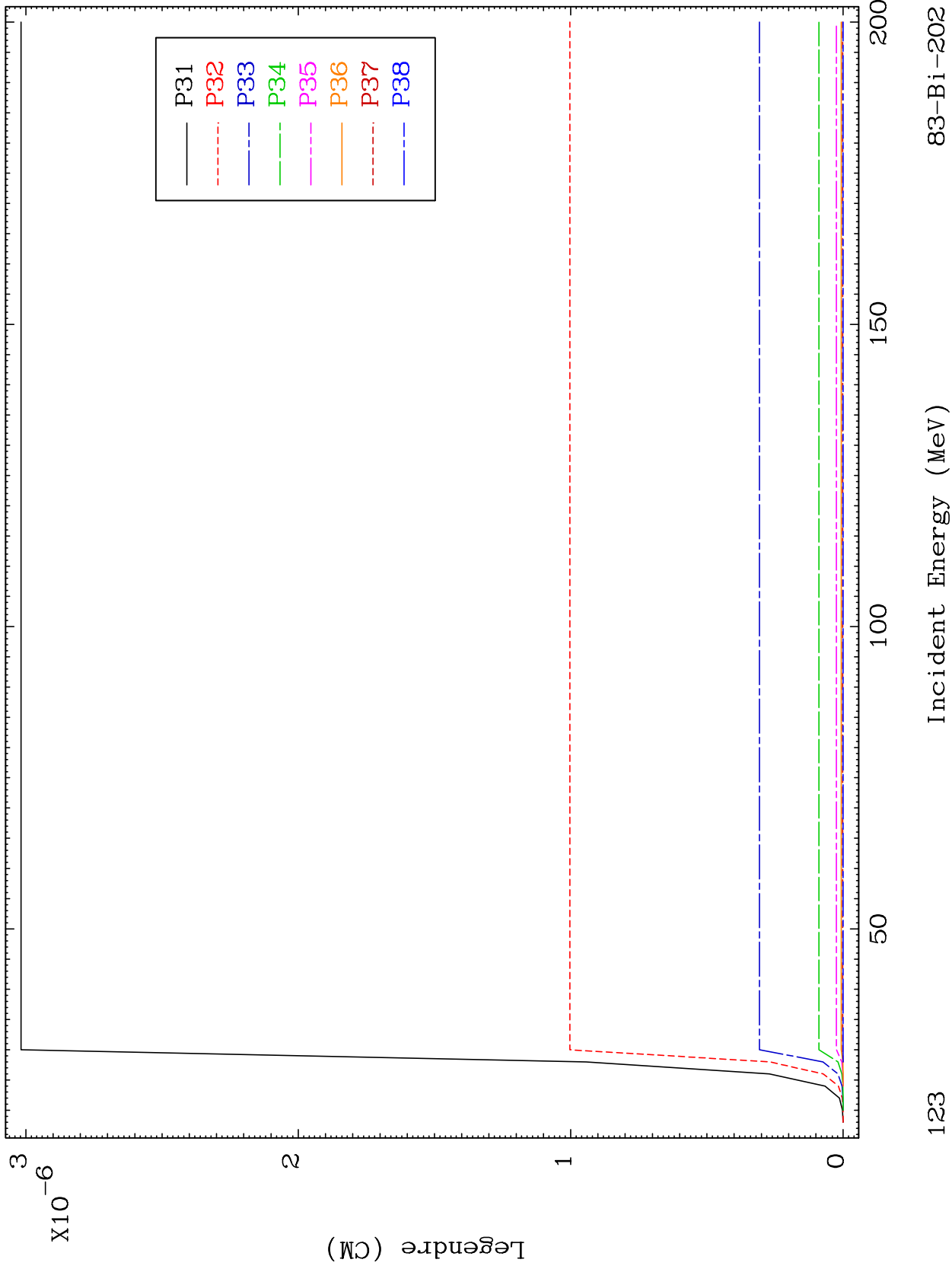
83-Bi-202



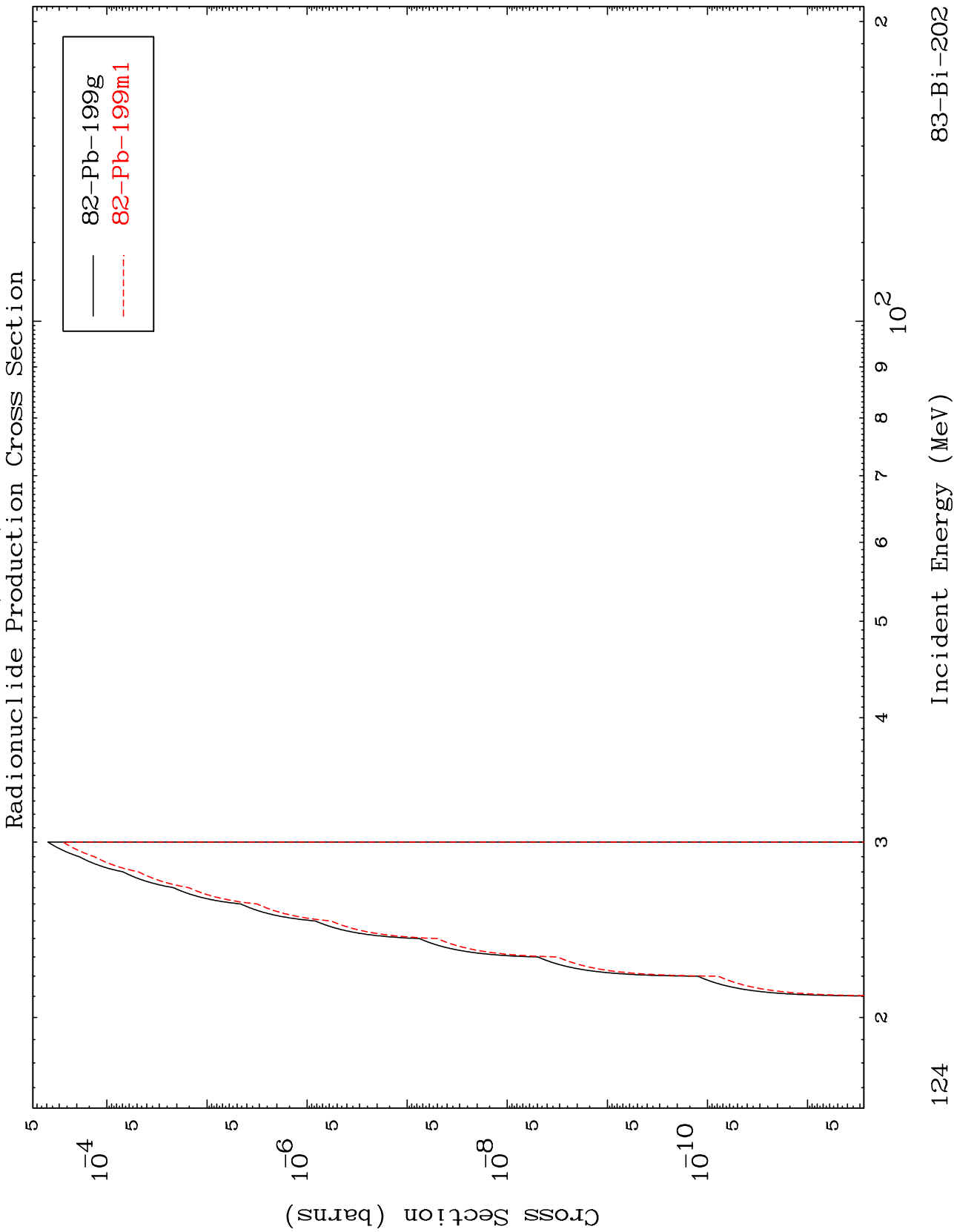
MAT 8304

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

83-Bi-202



123

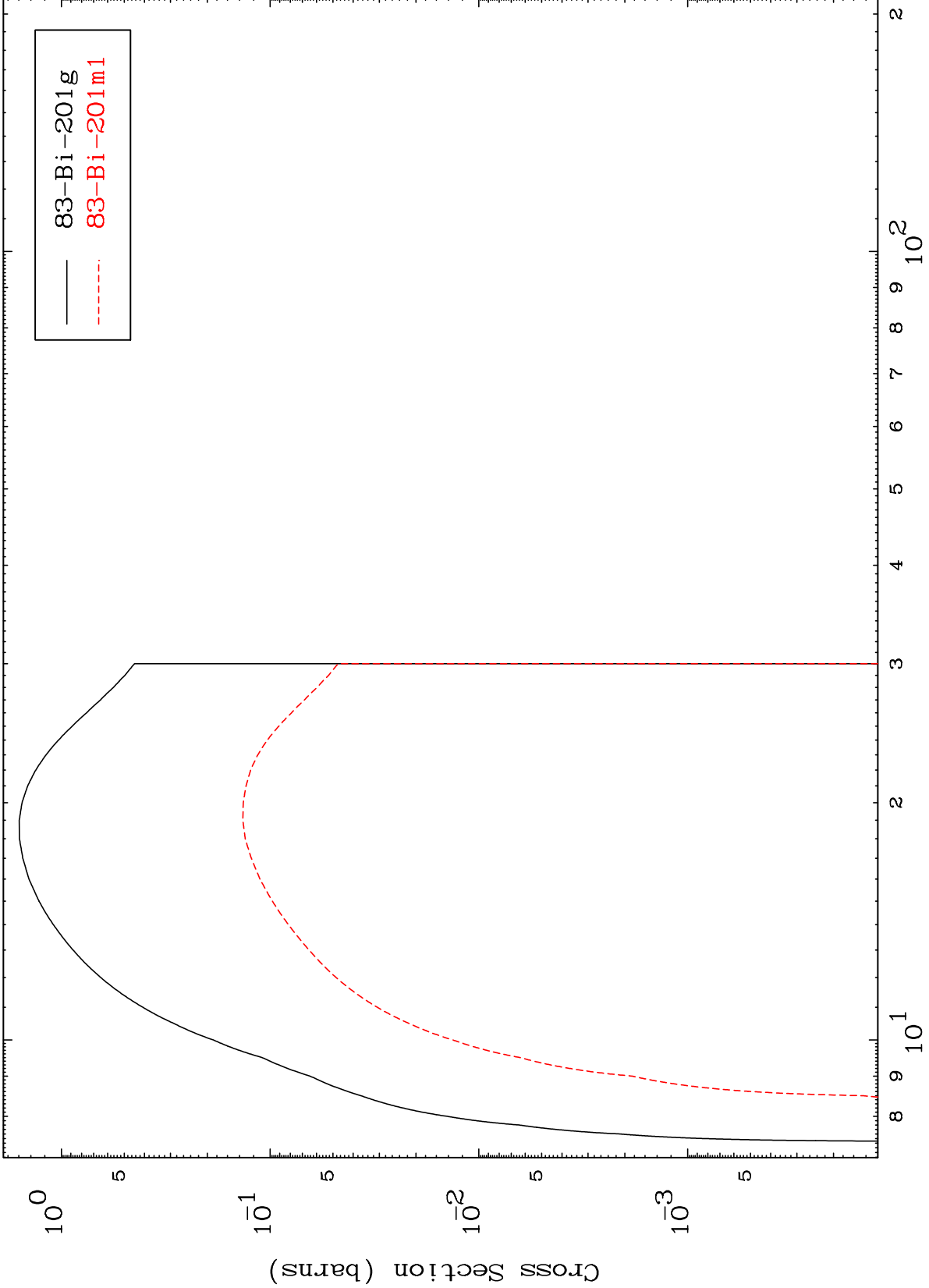


MAT 8304

(n,2n)

83-Bi-202

Radionuclide Production Cross Section



83-Bi-201g
83-Bi-201m1

125

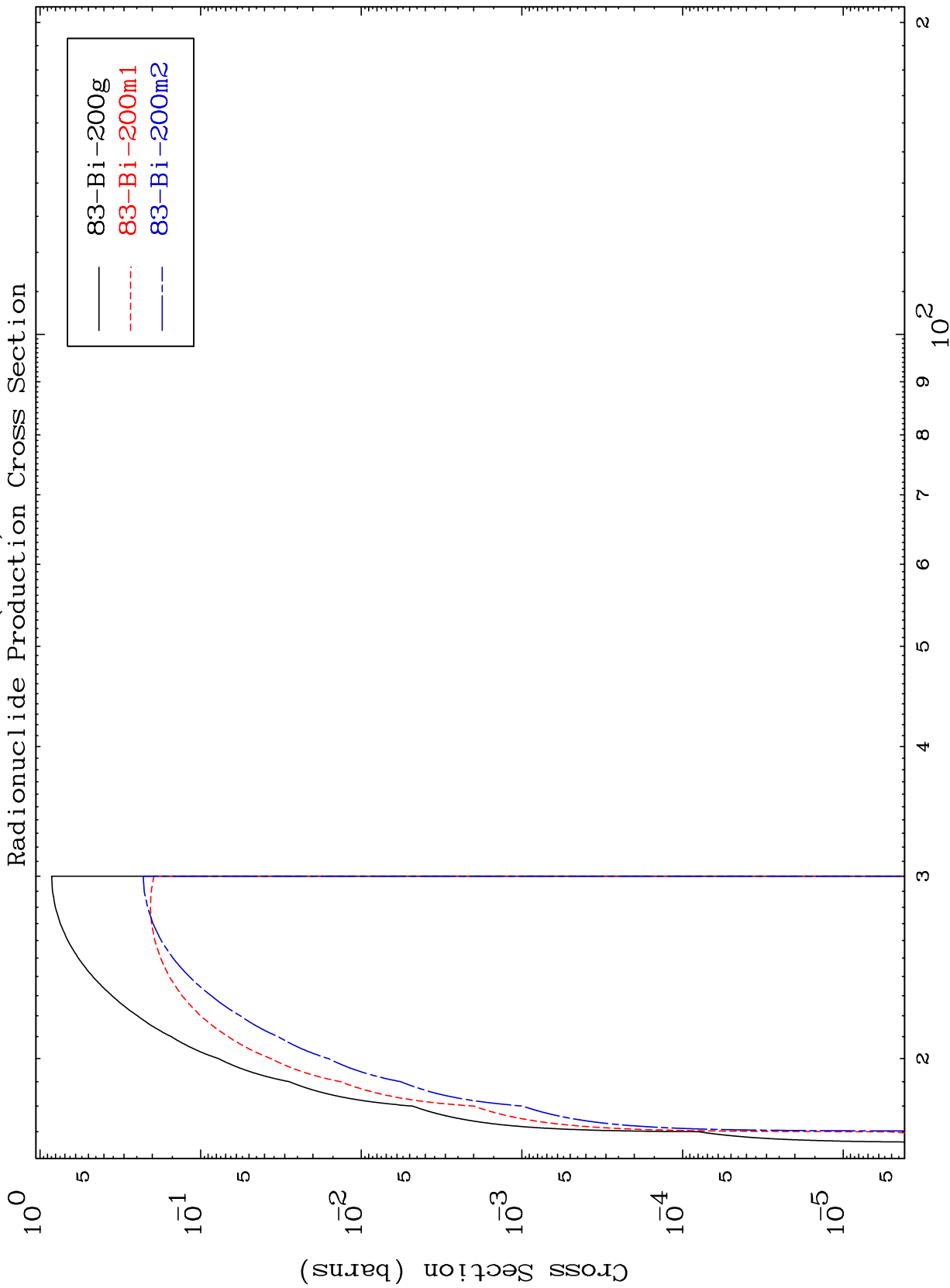
Incident Energy (MeV)

83-Bi-202

MAT 8304

83-Bi-202

(n,3n)
Radionuclide Production Cross Section



126

Incident Energy (MeV)

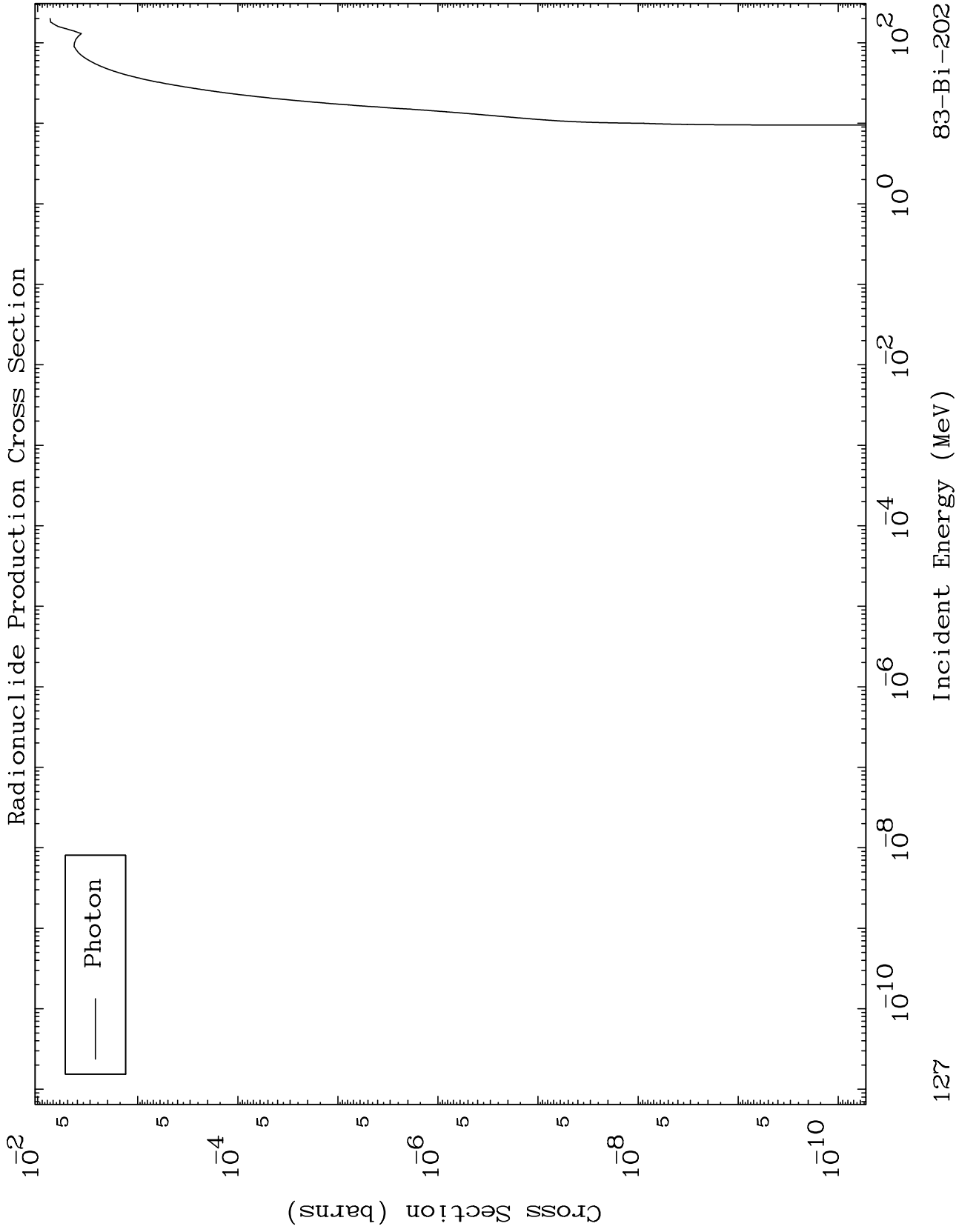
83-Bi-202

MAT 8304

Fission

83-Bi-202

Radionuclide Production Cross Section

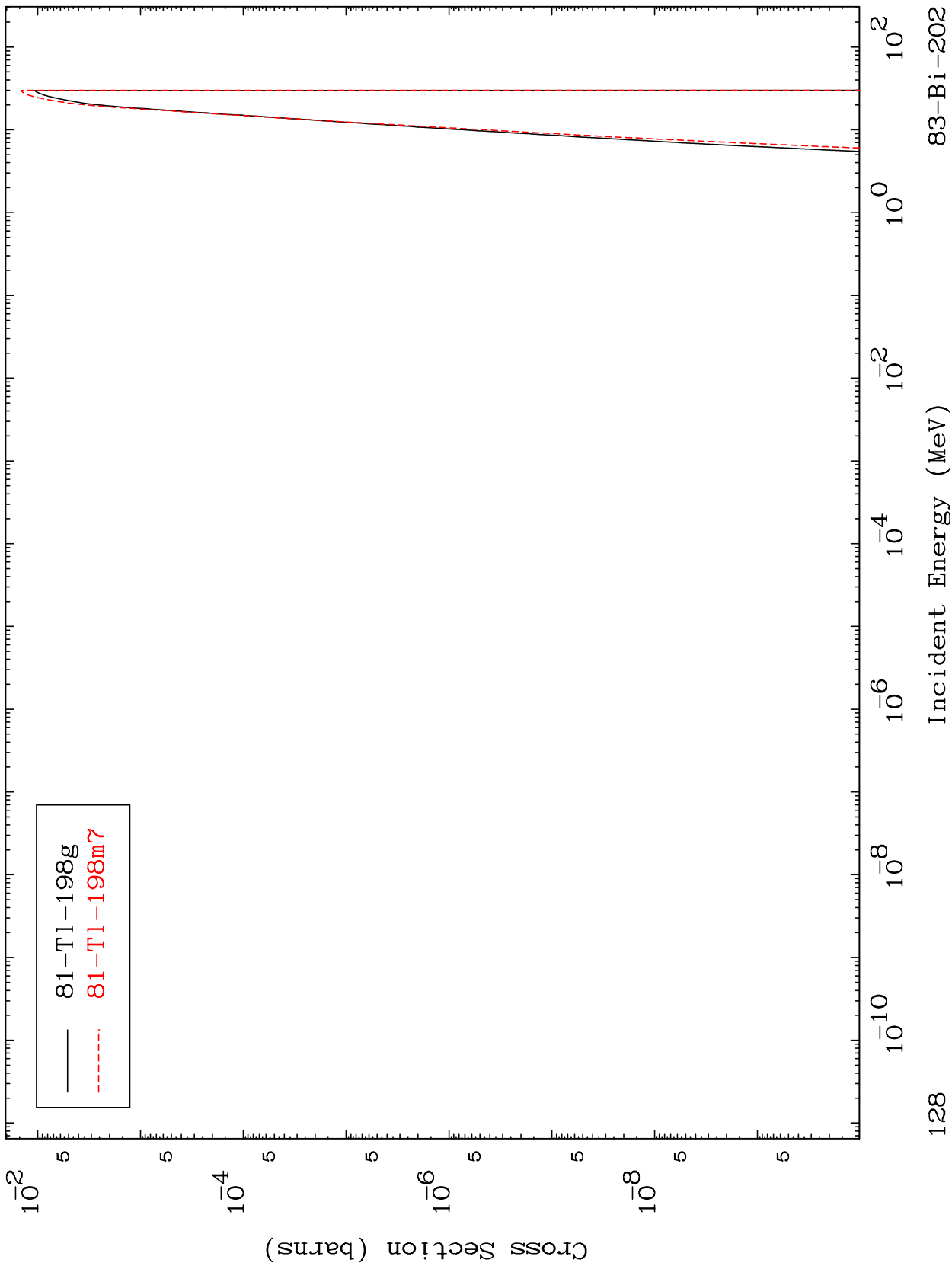


MAT 8304

$(n, n') \alpha$

83-Bi-202

Radionuclide Production Cross Section



128

Incident Energy (MeV)

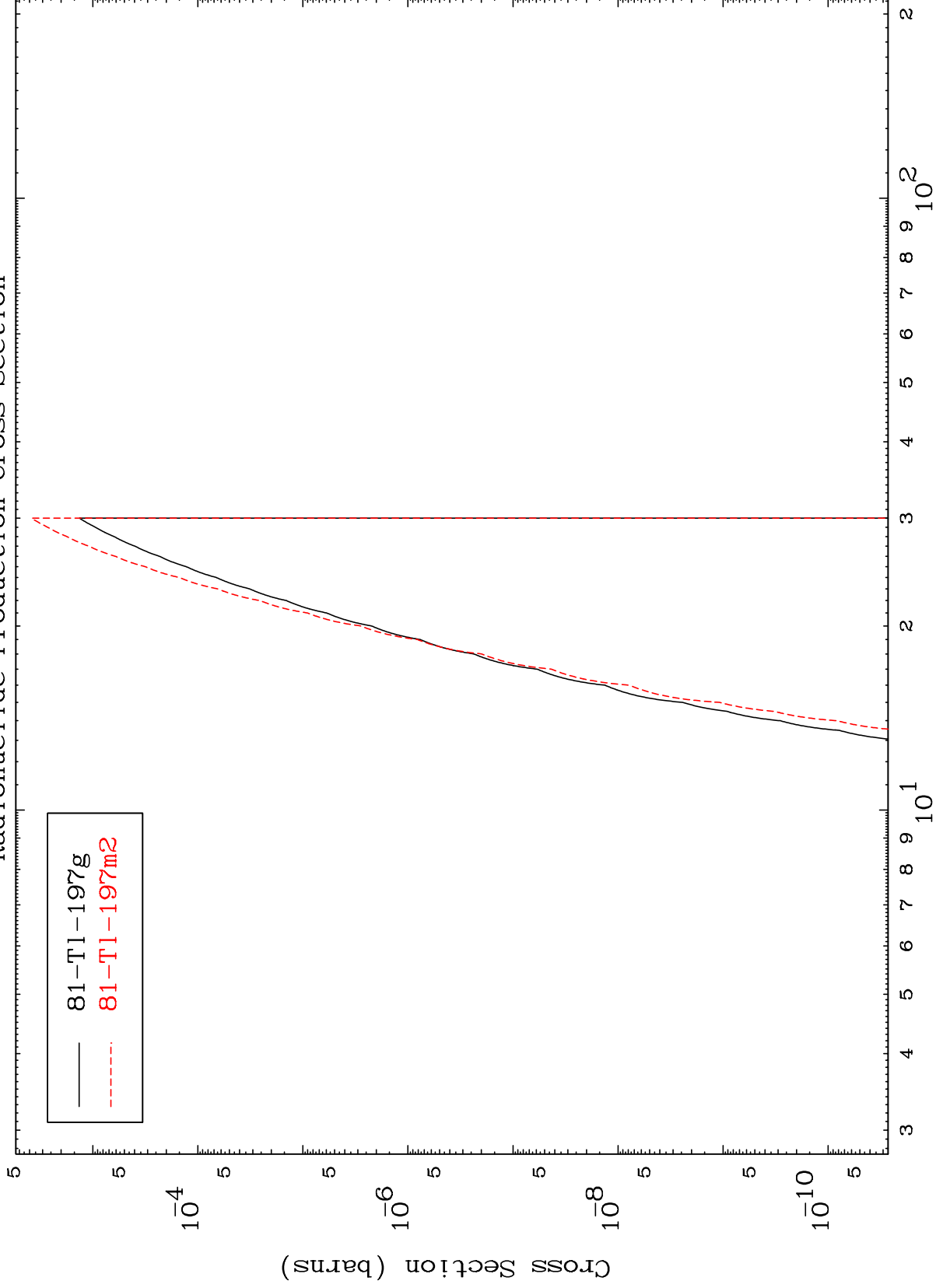
83-Bi-202

MAT 8304

$(n,2n) \alpha$

83-Bi-202

Radionuclide Production Cross Section



129

Incident Energy (MeV)

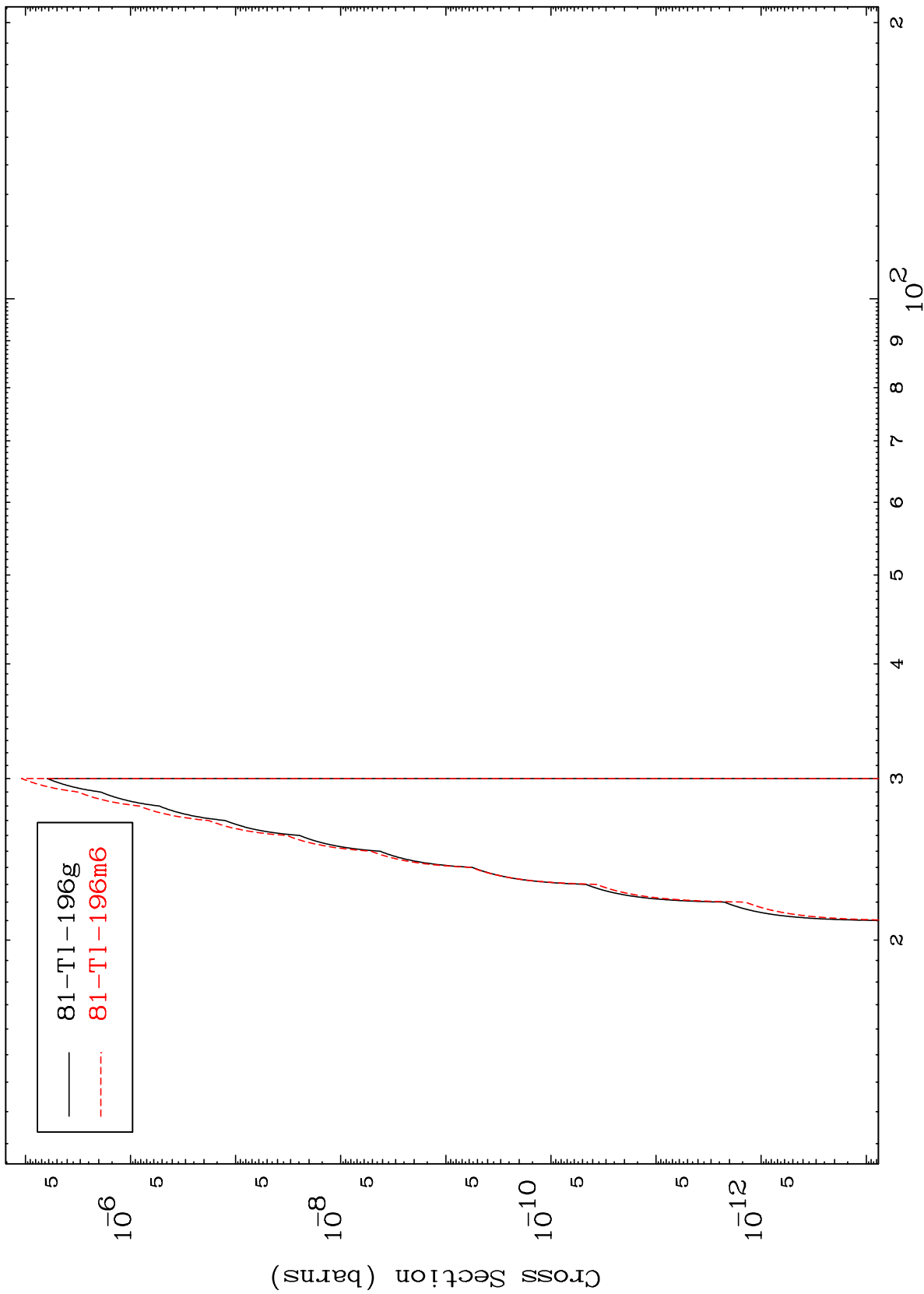
83-Bi-202

MAT 8304

(n,3n) α

83-Bi-202

Radionuclide Production Cross Section



130

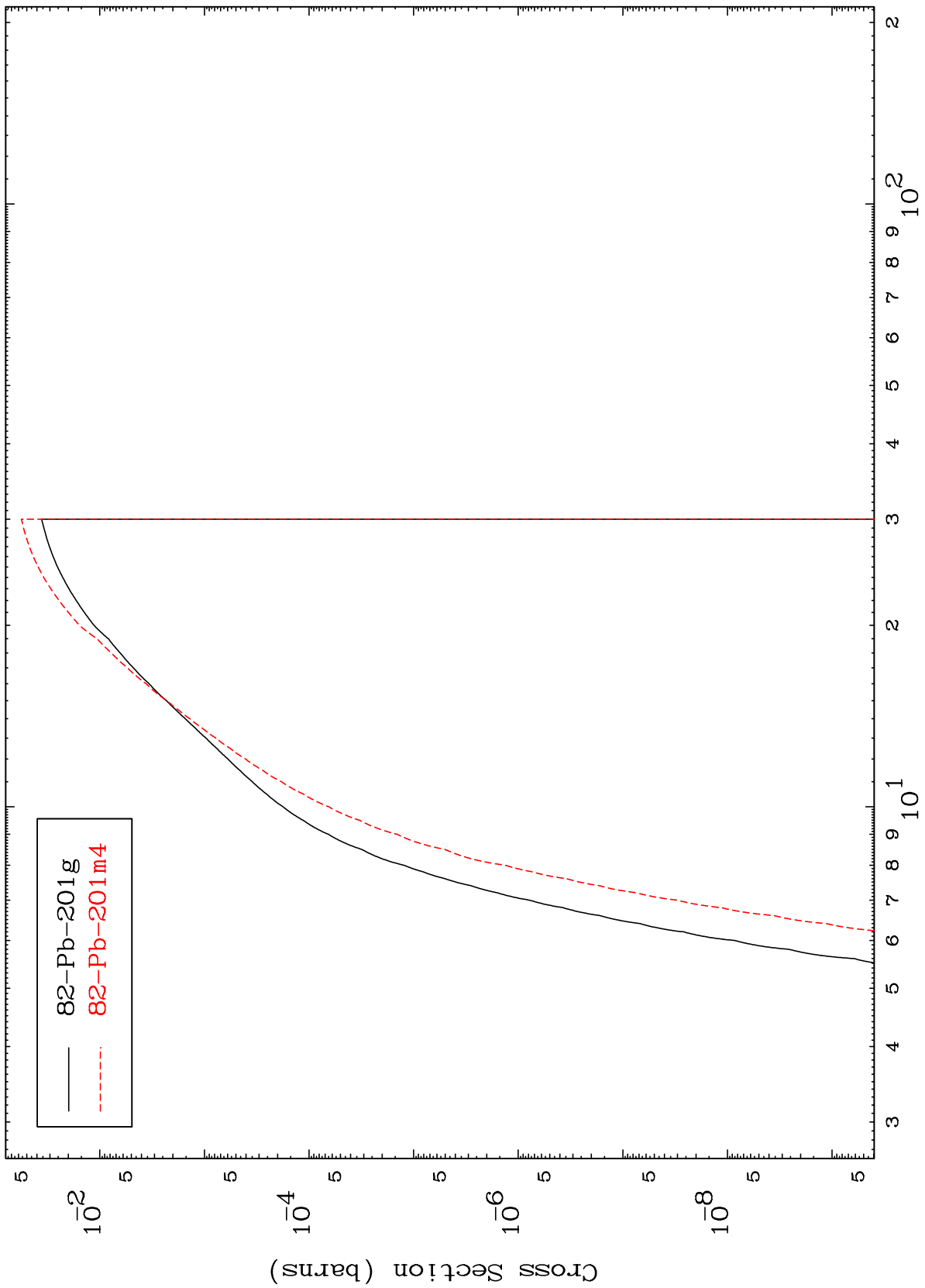
Incident Energy (MeV)

83-Bi-202

MAT 8304

83-Bi-202

(n,n') p
Radionuclide Production Cross Section



131

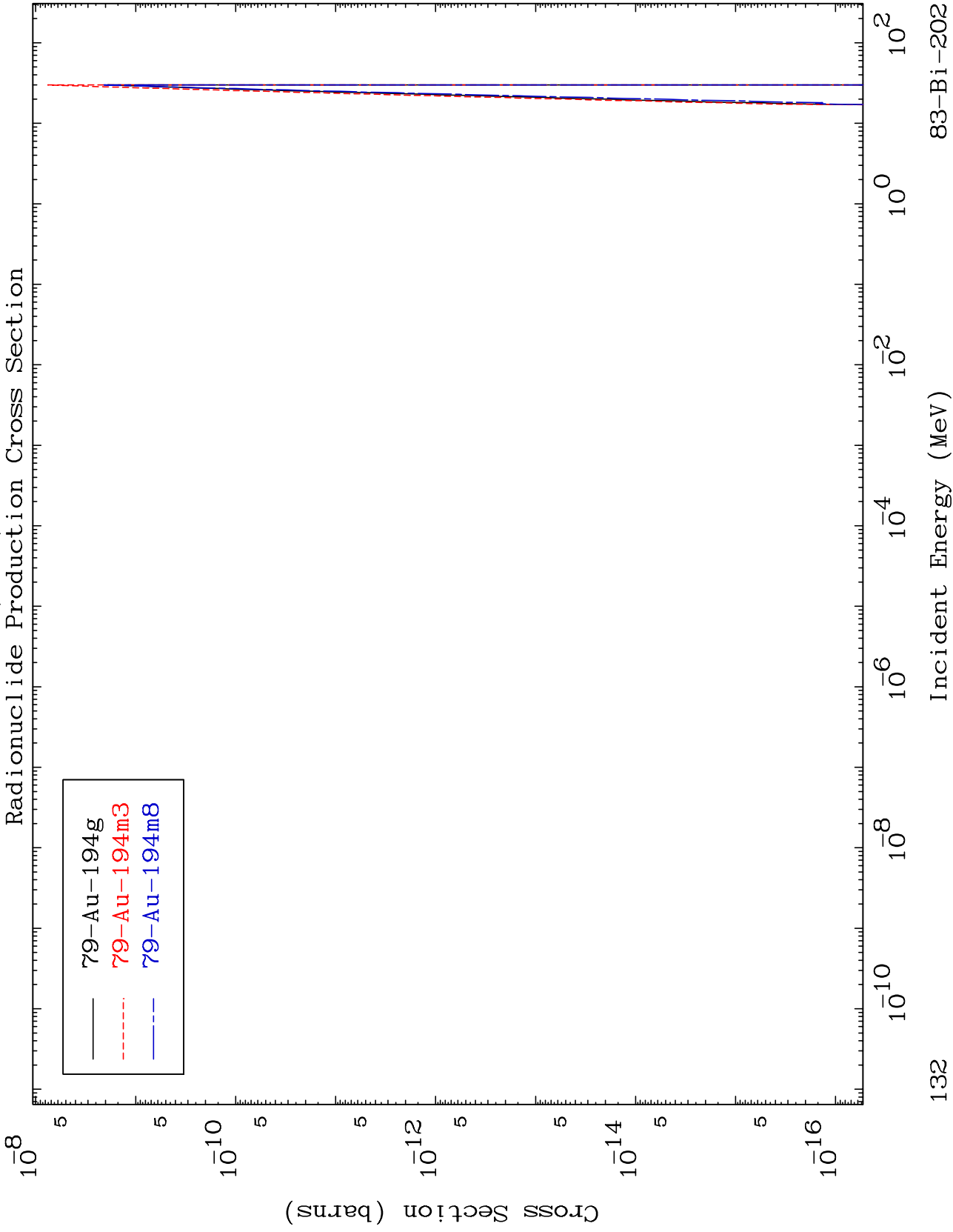
Incident Energy (MeV)

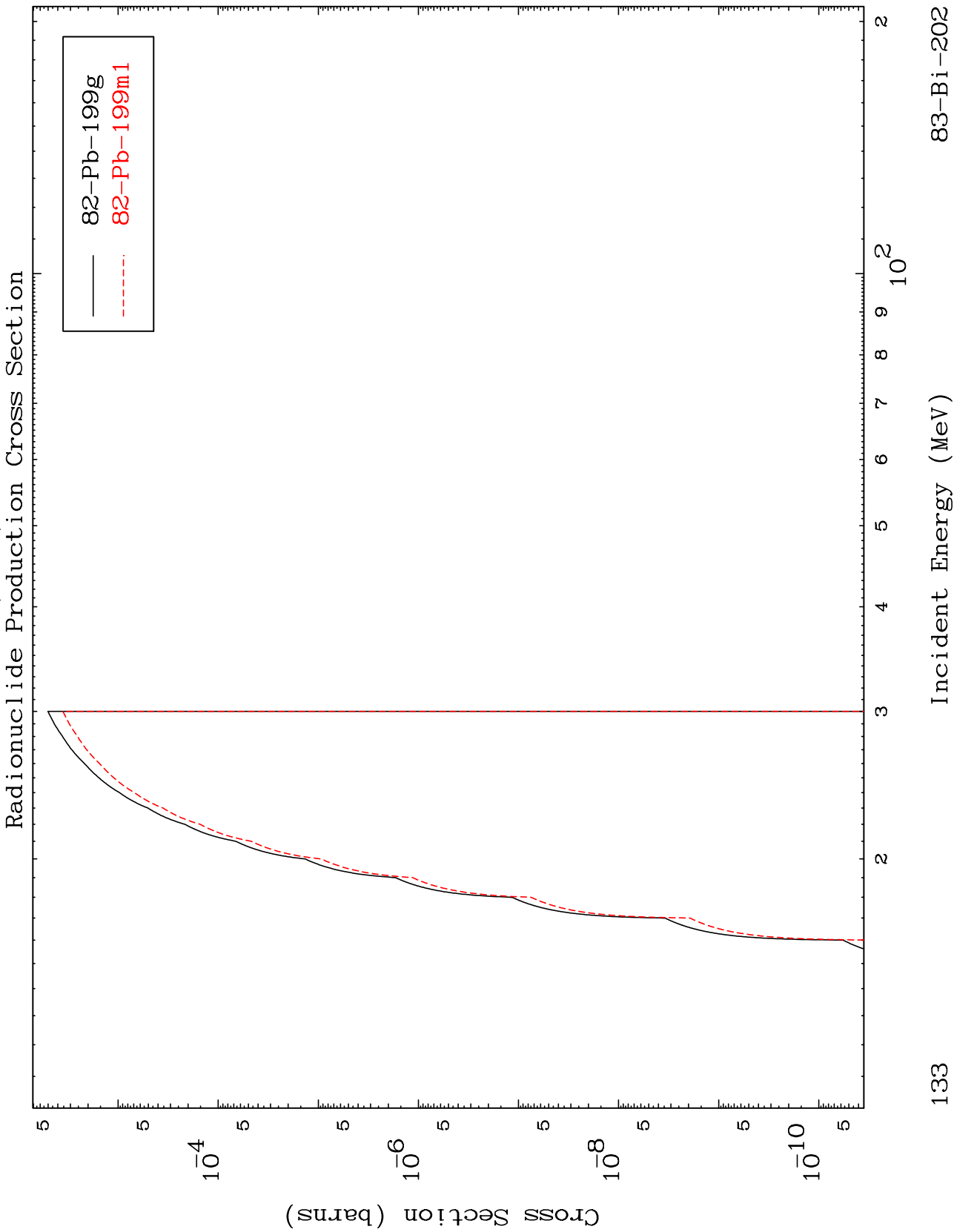
83-Bi-202

MAT 8304

(n,n') 2 α

83-Bi-202



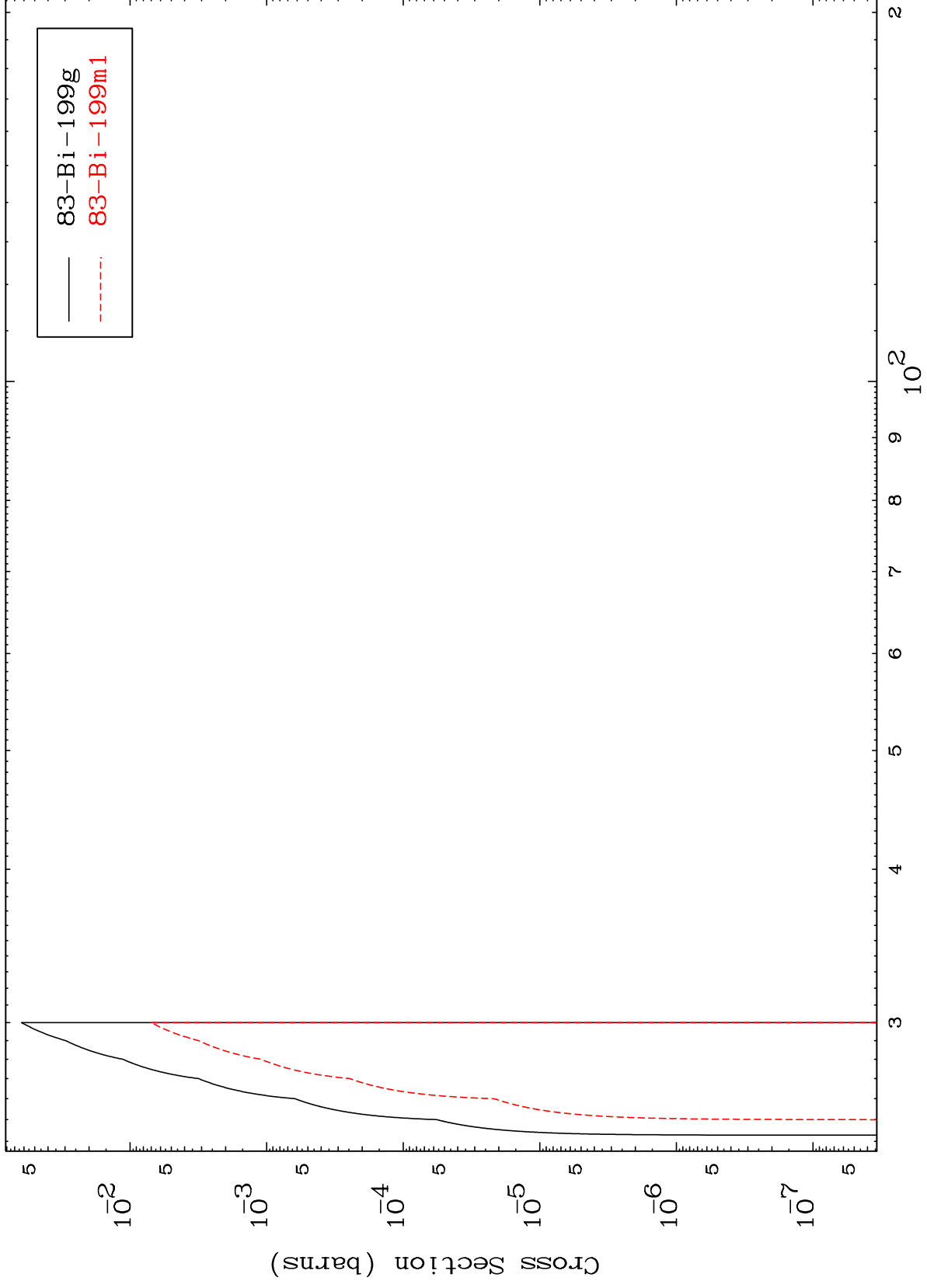


MAT 8304

(n,4n)

83-Bi-202

Radionuclide Production Cross Section



134

Incident Energy (MeV)

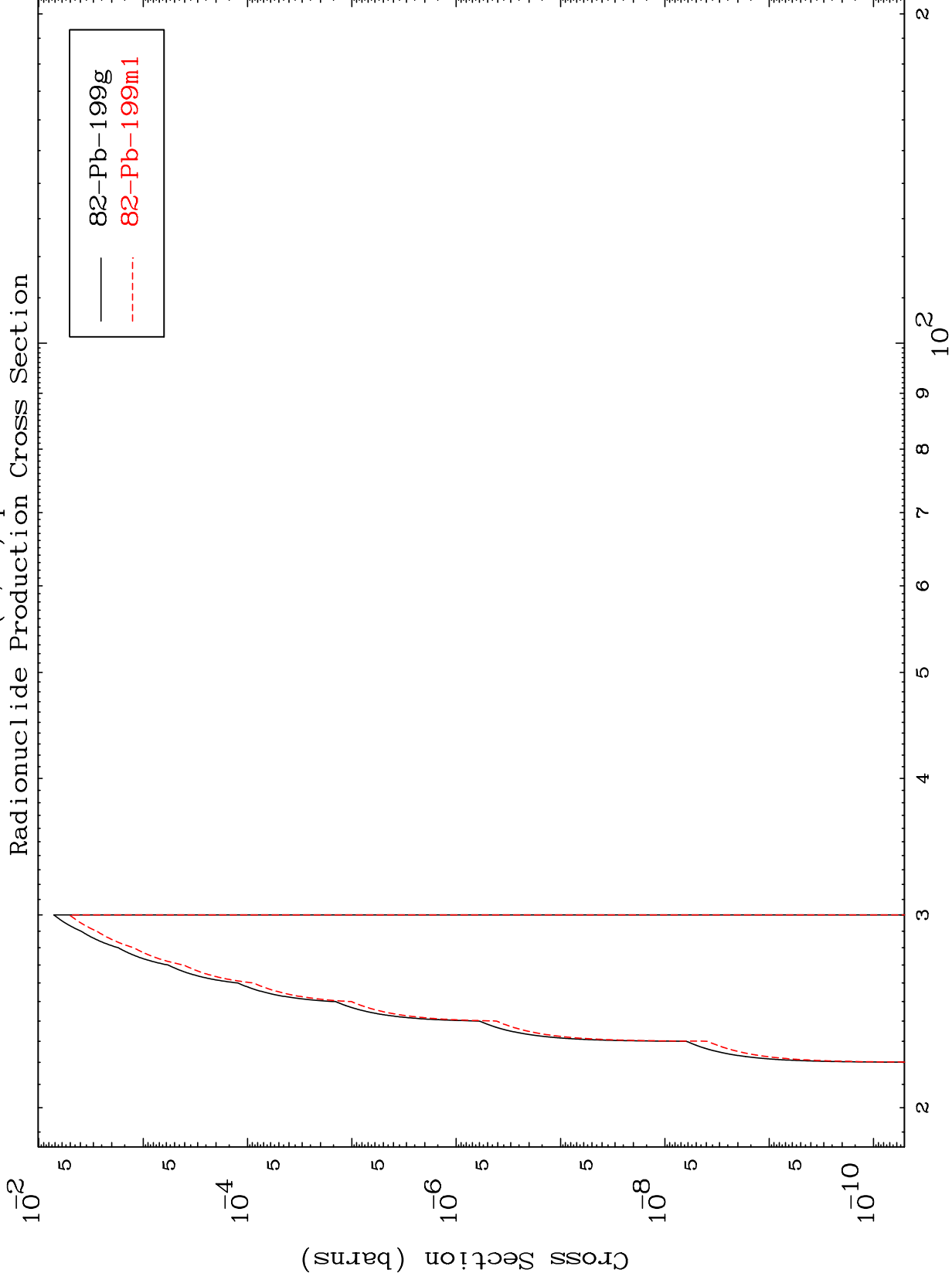
83-Bi-202

MAT 8304

(n,3n) p

83-Bi-202

Radionuclide Production Cross Section



135

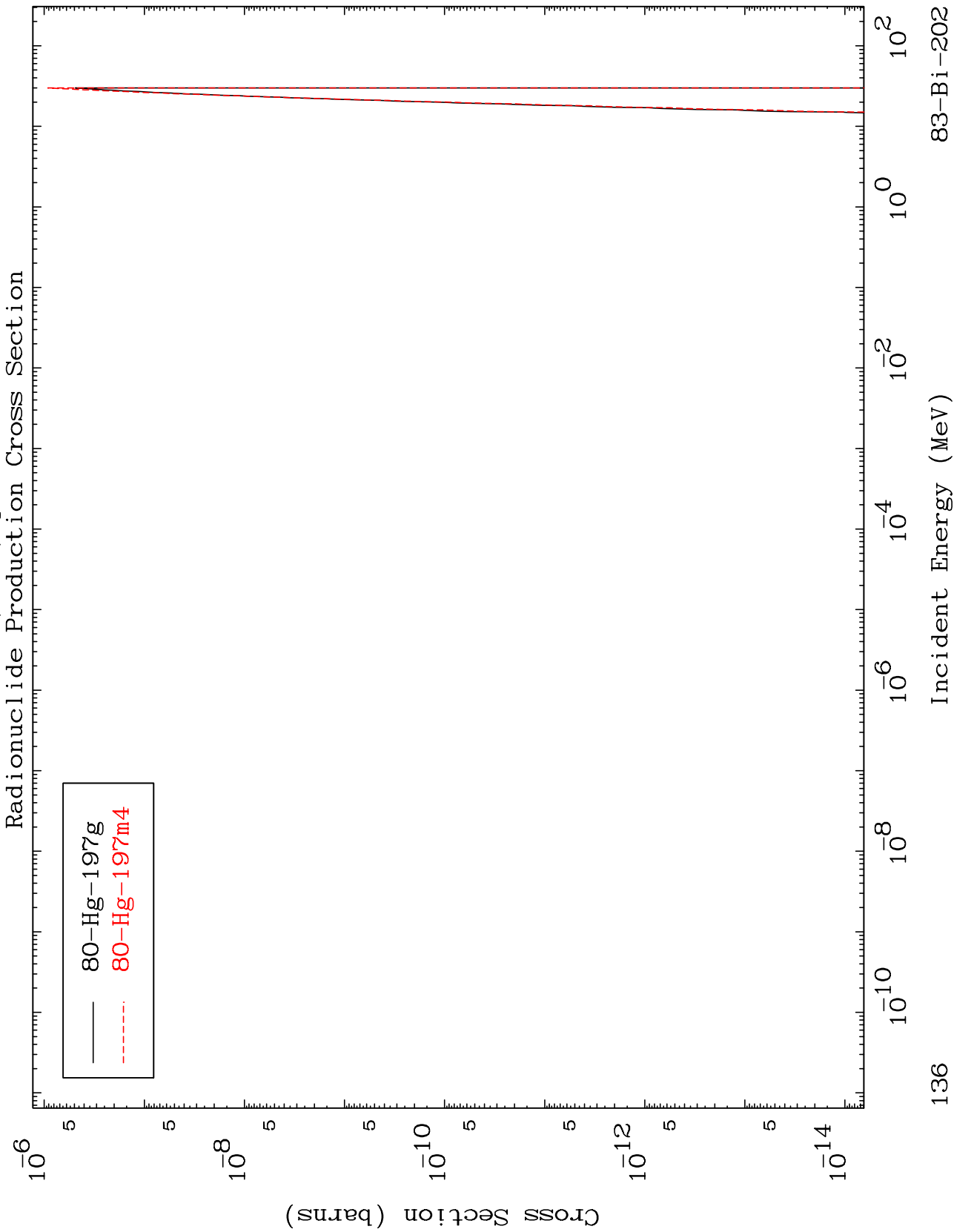
Incident Energy (MeV)

83-Bi-202

MAT 8304

(n,n') p α

83-Bi-202



136

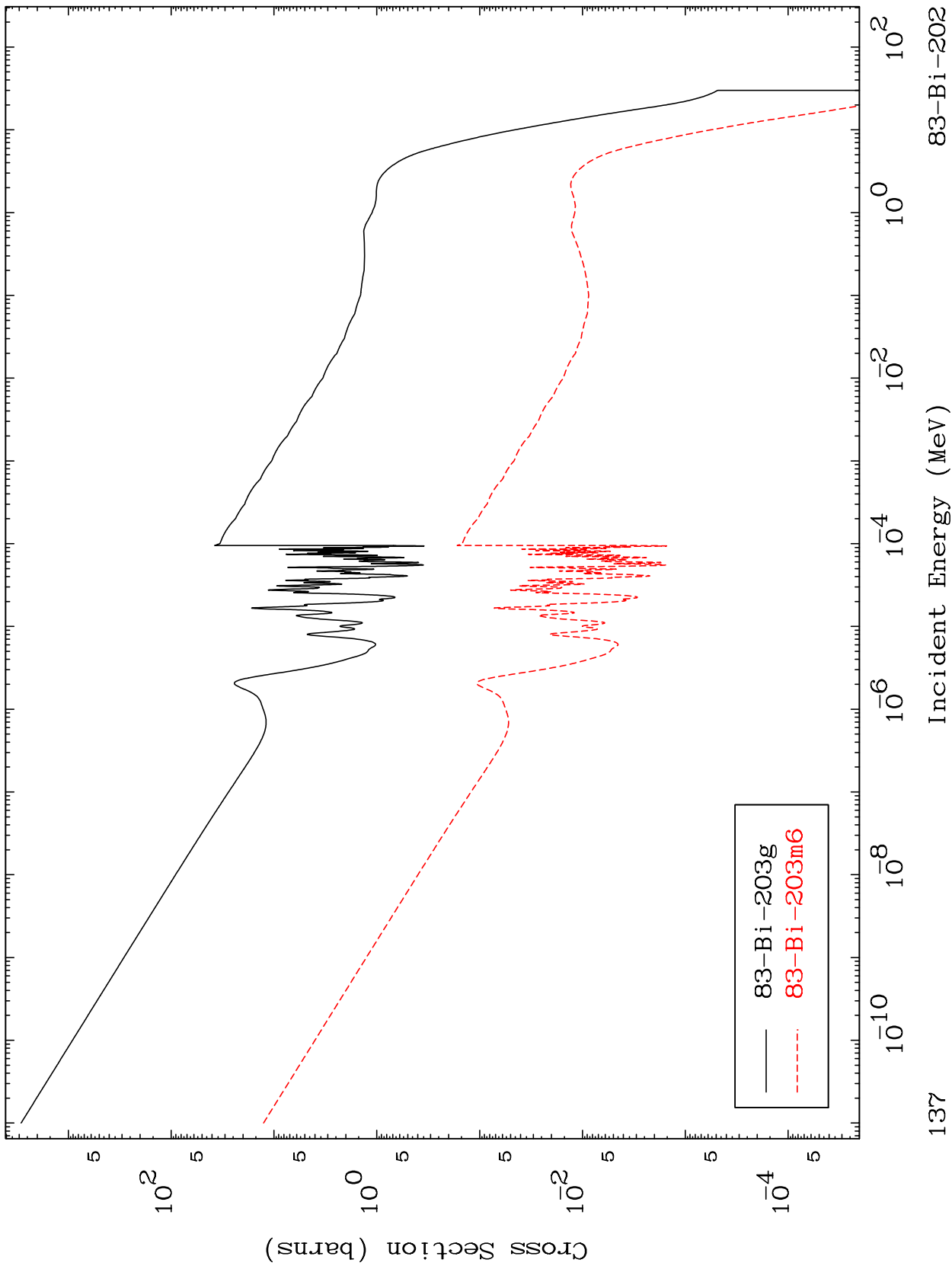
Incident Energy (MeV)

83-Bi-202

MAT 8304

83-Bi-202

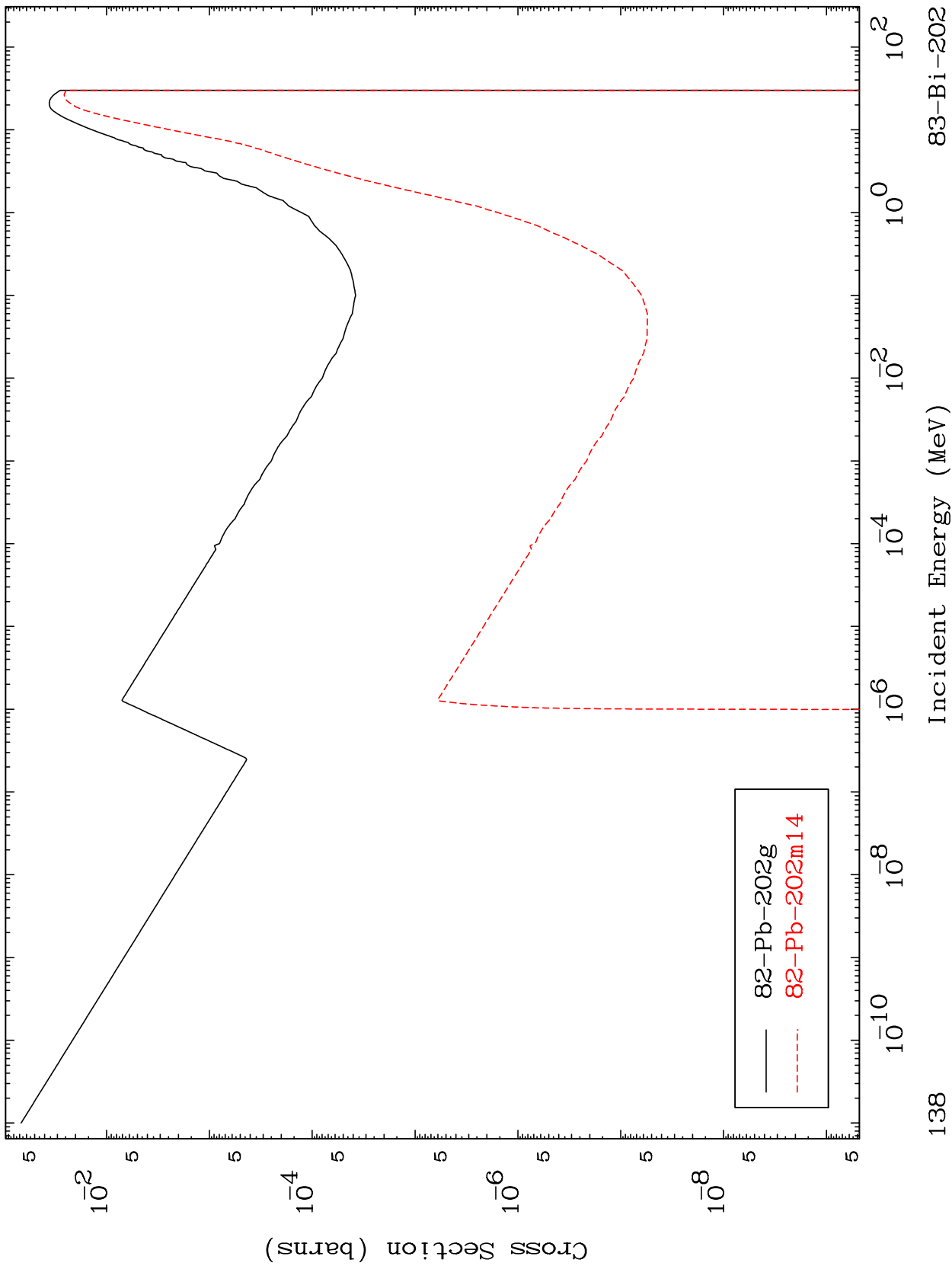
(n, γ)
Radionuclide Production Cross Section



MAT 8304

83-Bi-202

(n,p)
Radionuclide Production Cross Section

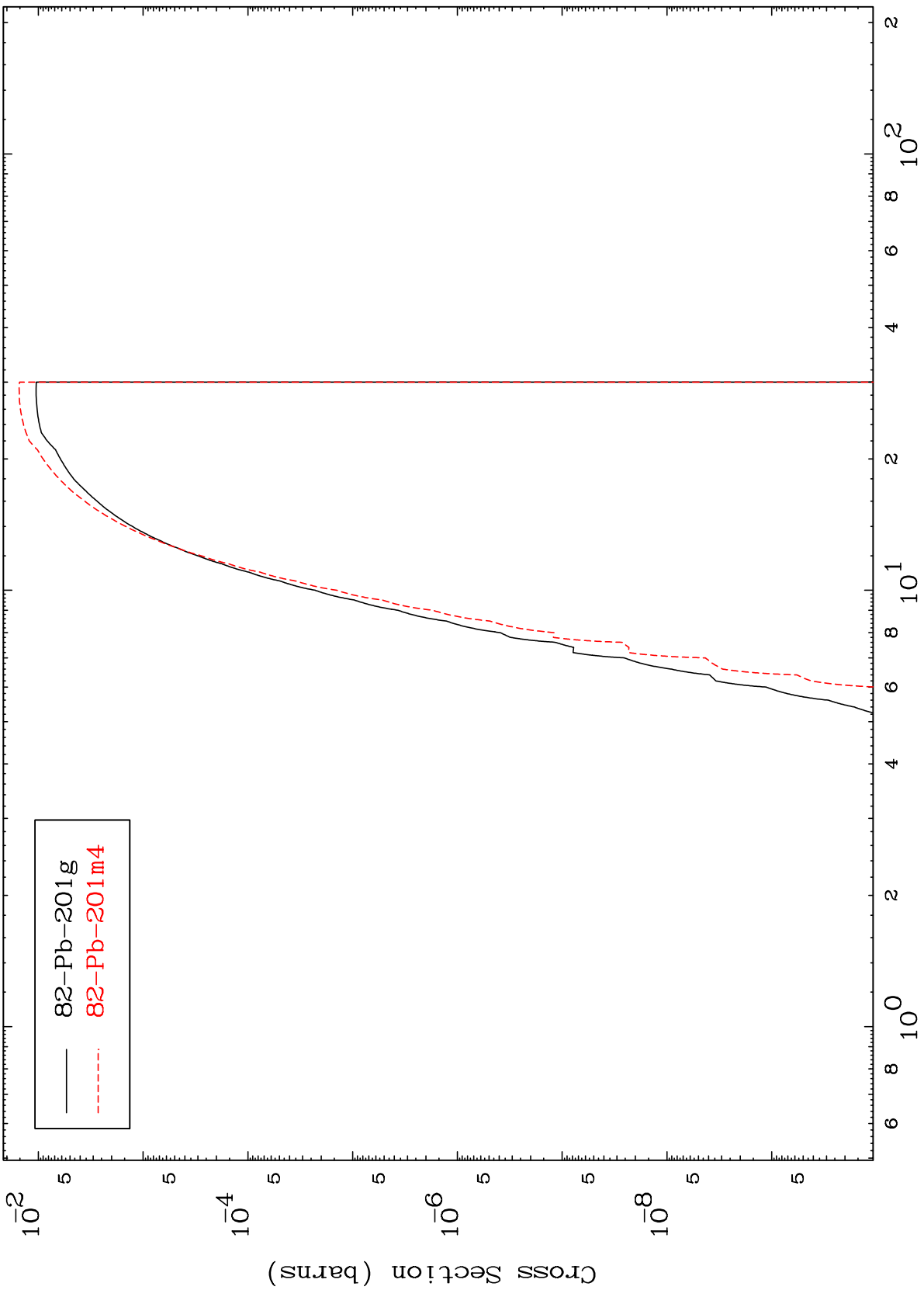


MAT 8304

(n,d)

83-Bi-202

Radionuclide Production Cross Section



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

139

Incident Energy (MeV)

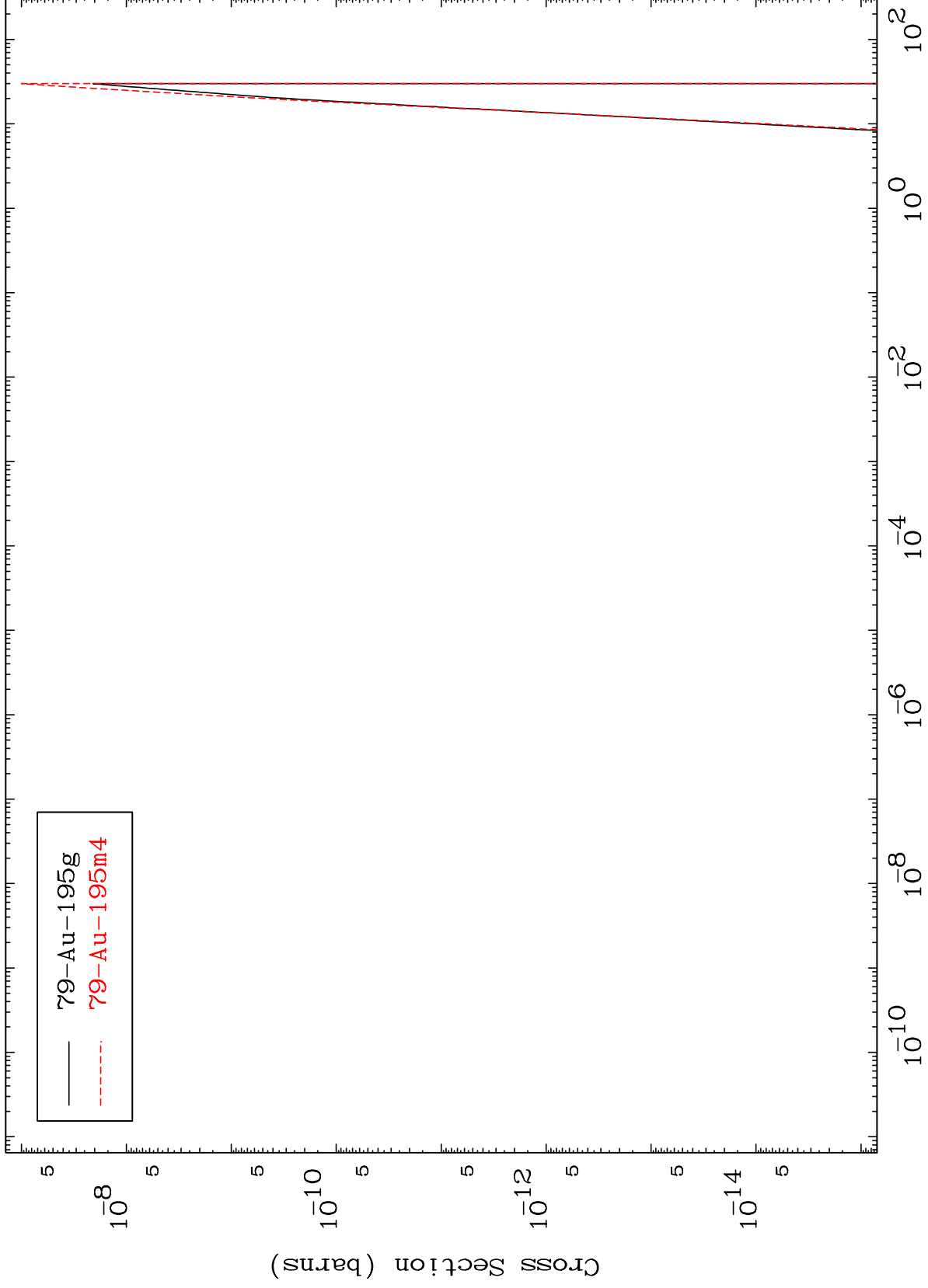
83-Bi-202

MAT 8304

(n,2α)

83-Bi-202

Radionuclide Production Cross Section



MAT 8304

(n,d) α

83-Bi-202

Radionuclide Production Cross Section

