

Program EVALPLOT
(Version 2018-1)

by

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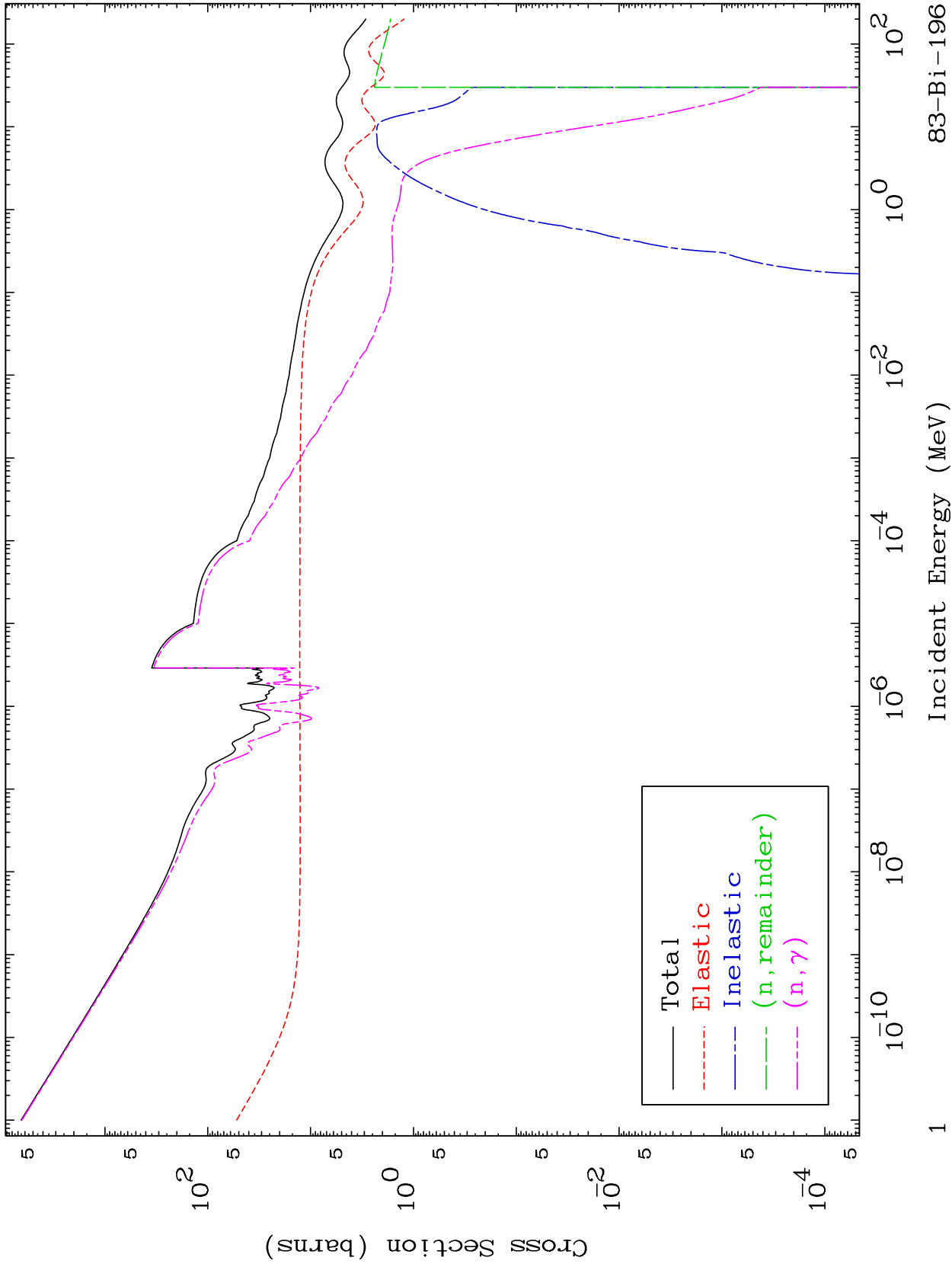
Press Mouse Button to Start

MAT 8286

Major

293 Kelvin Cross Sections

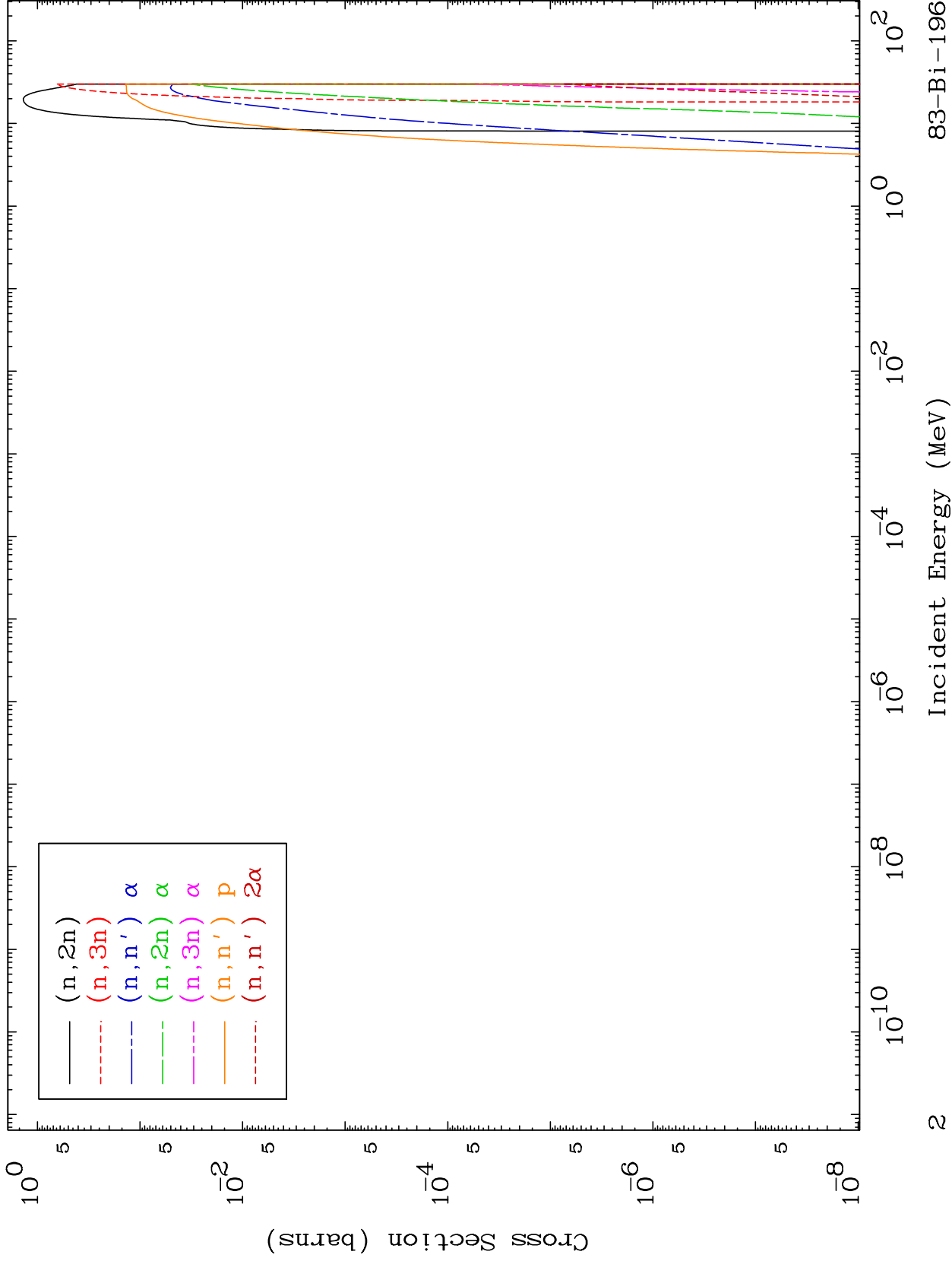
83-Bi-196



MAT 8286

Neutron Production
293 Kelvin Cross Sections

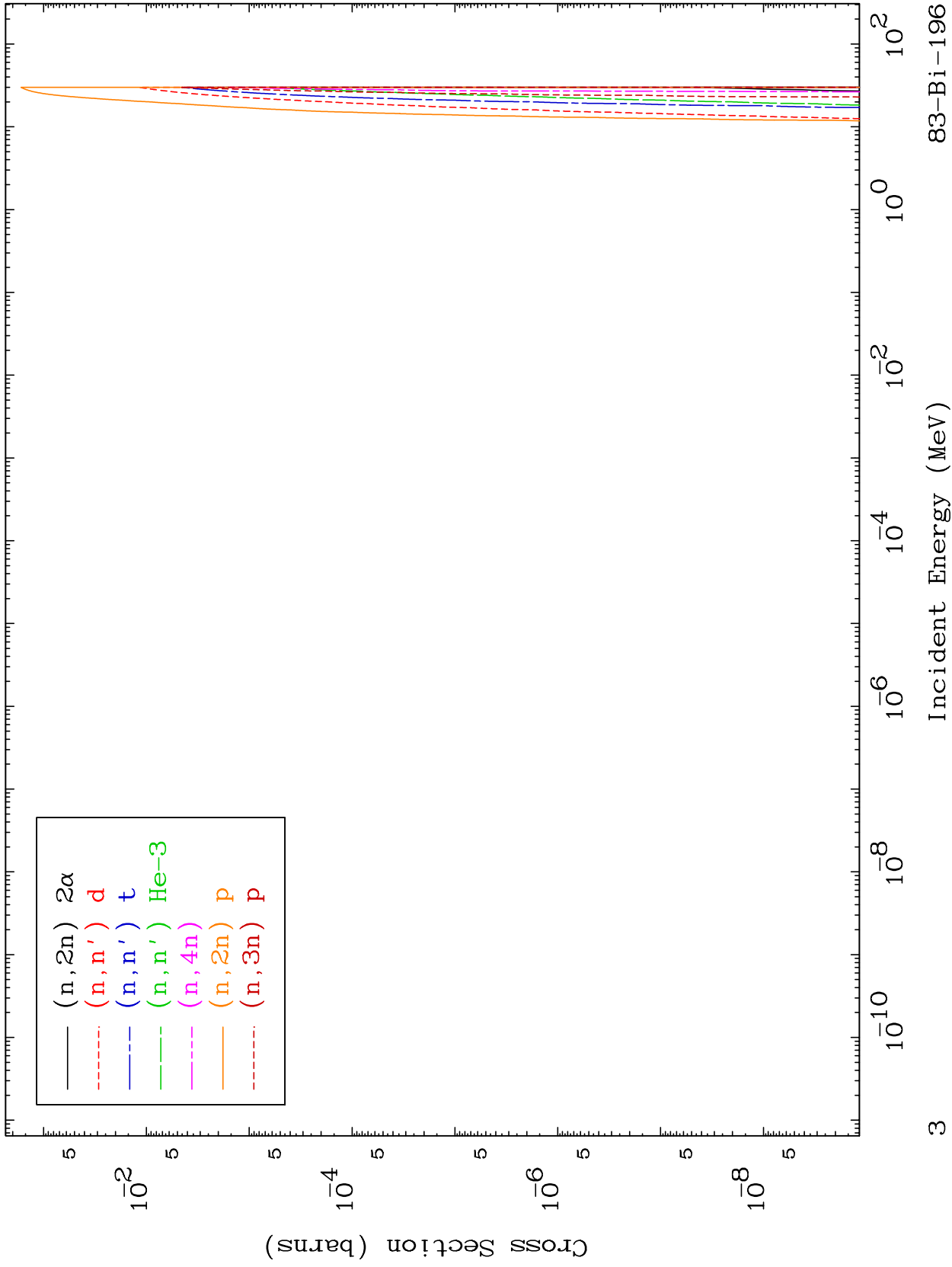
83-Bi-196



MAT 8286

Neutron Production
293 Kelvin Cross Sections

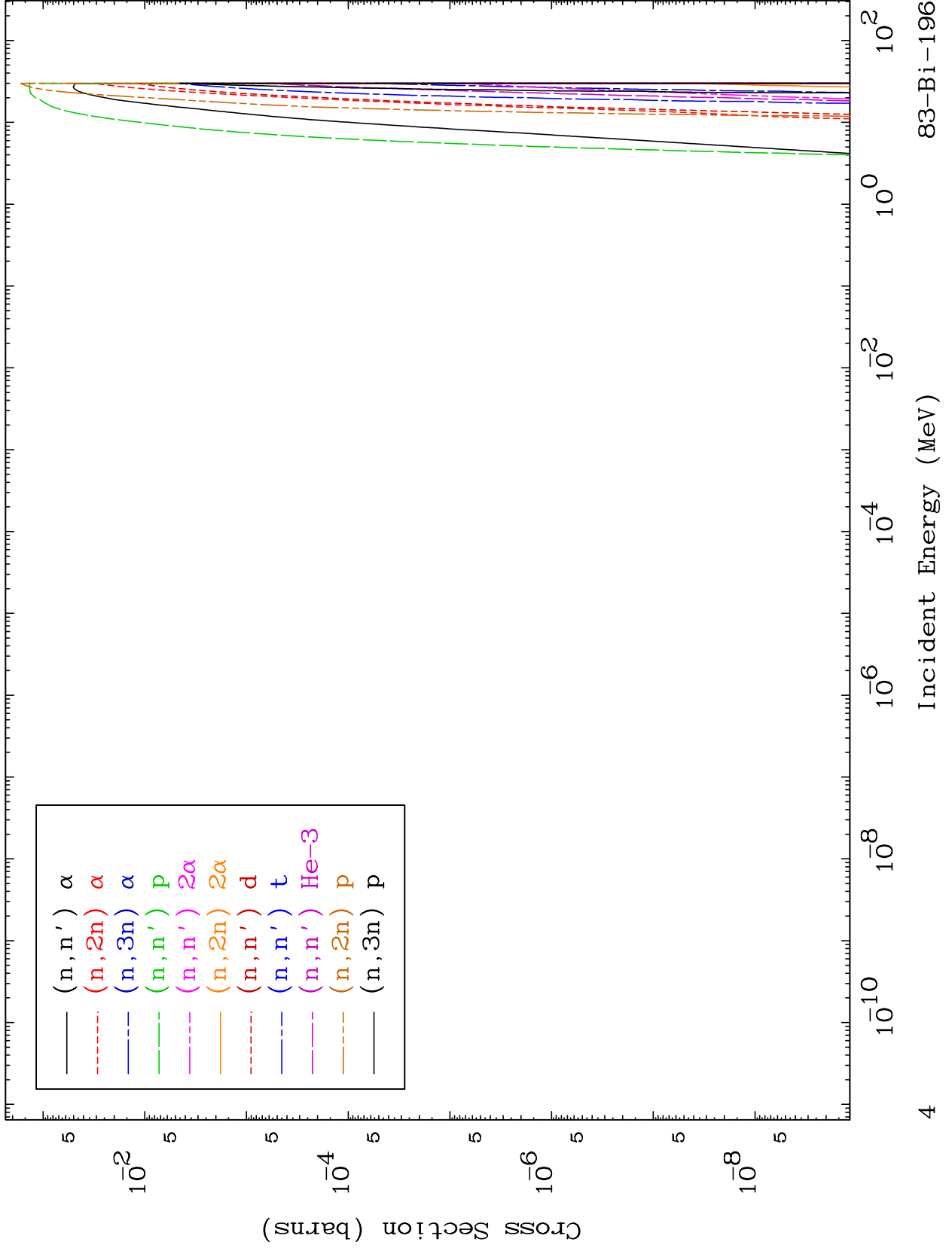
83-Bi-196



MAT 8286

Charged Particle
293 Kelvin Cross Sections

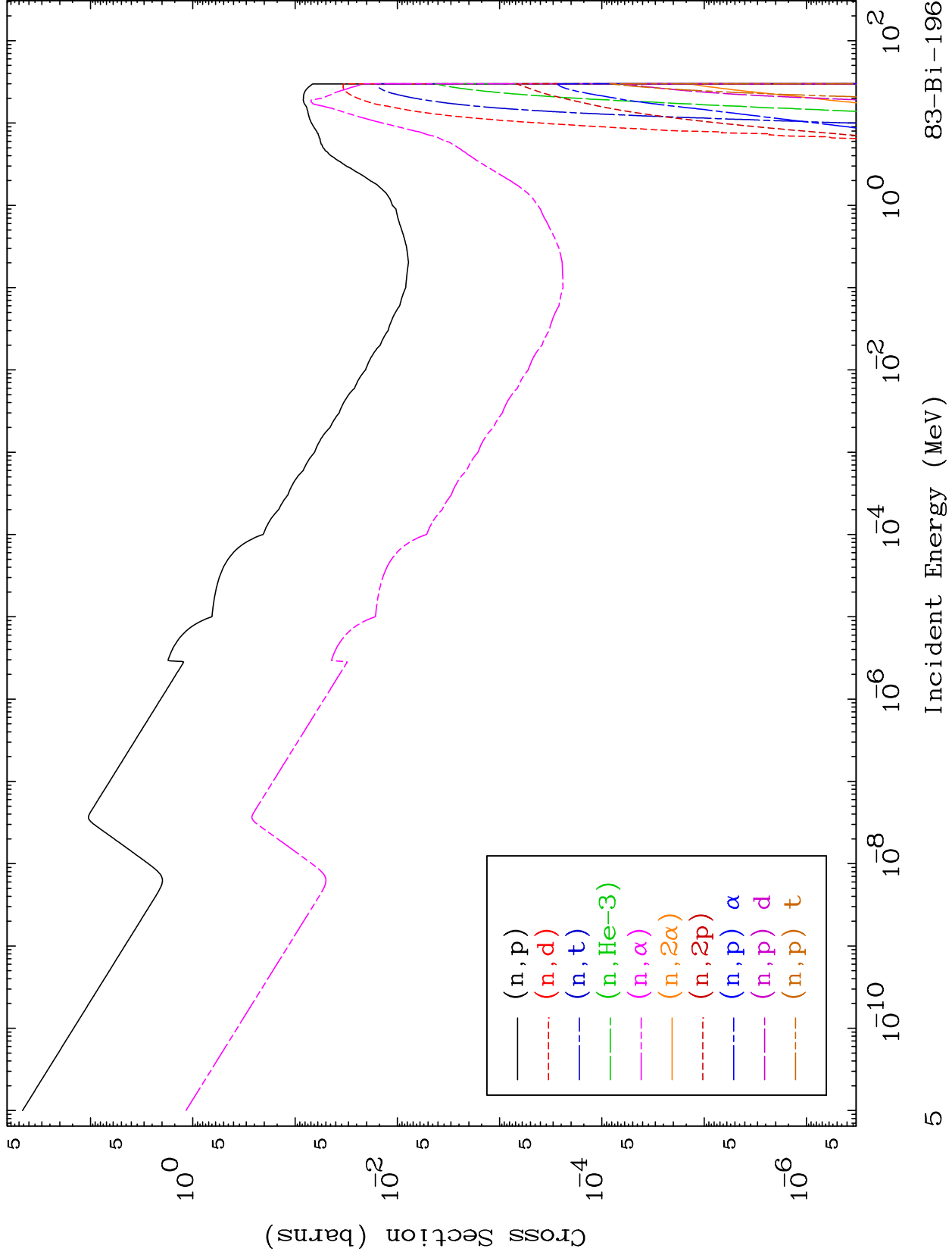
83-Bi-196



MAT 8286

Charged Particle
293 Kelvin Cross Sections

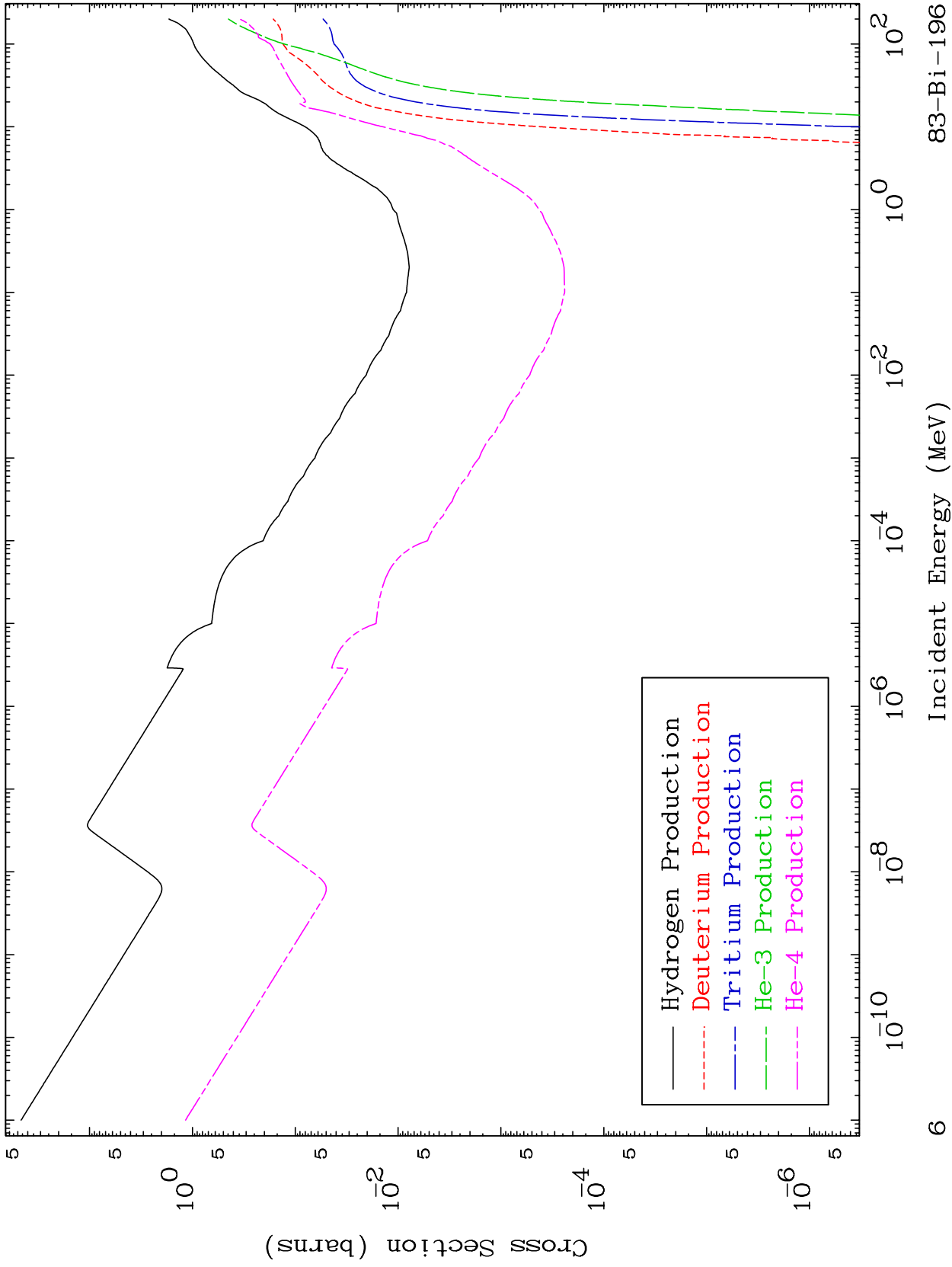
83-Bi-196



MAT 8286

Particle Production
293 Kelvin Cross Sections

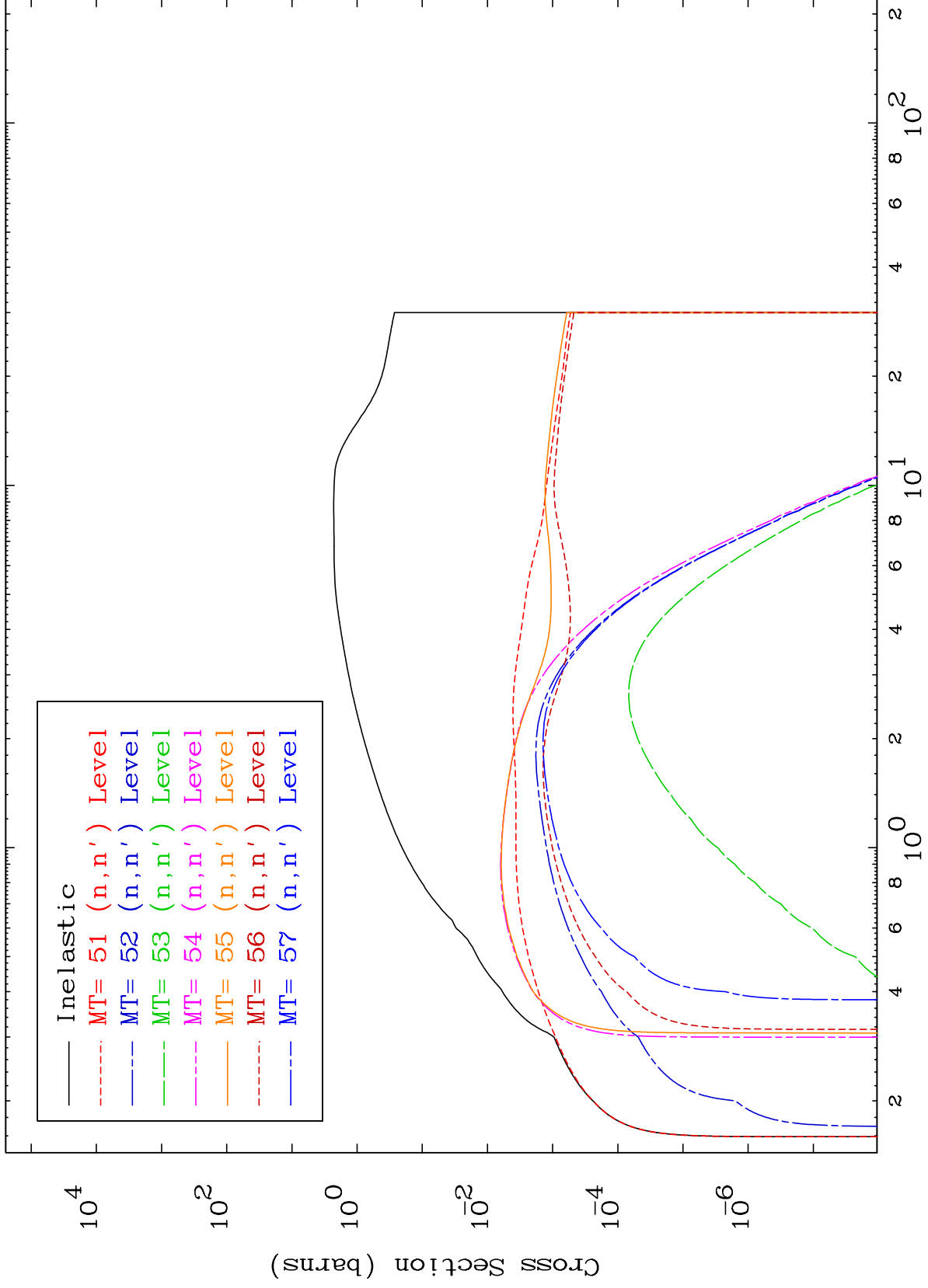
83-Bi-196



MAT 8286

(n,n') Level
293 Kelvin Cross Sections

83-Bi-196

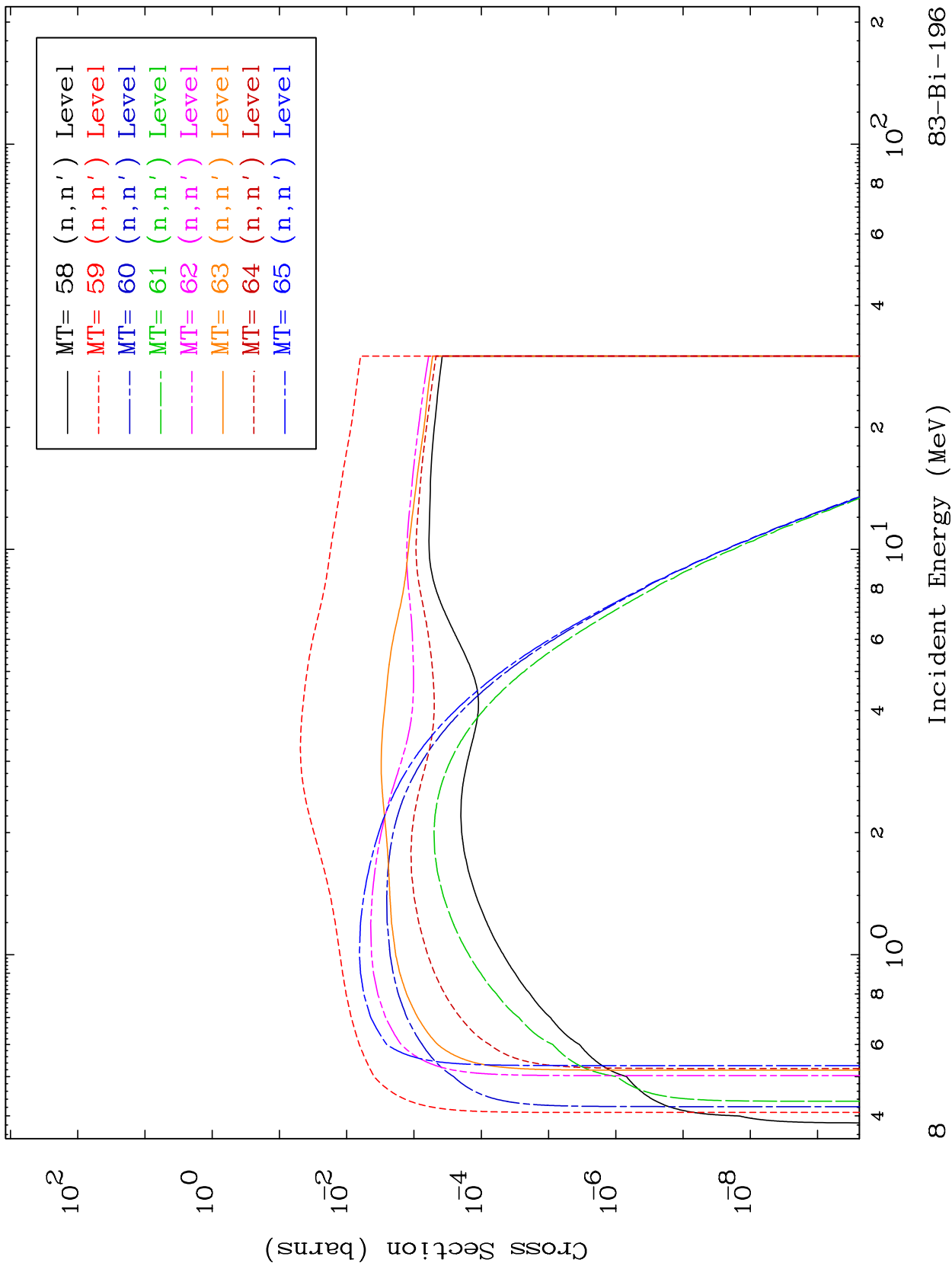


MAT 8286

(n,n') Level

293 Kelvin Cross Sections

83-Bi-196

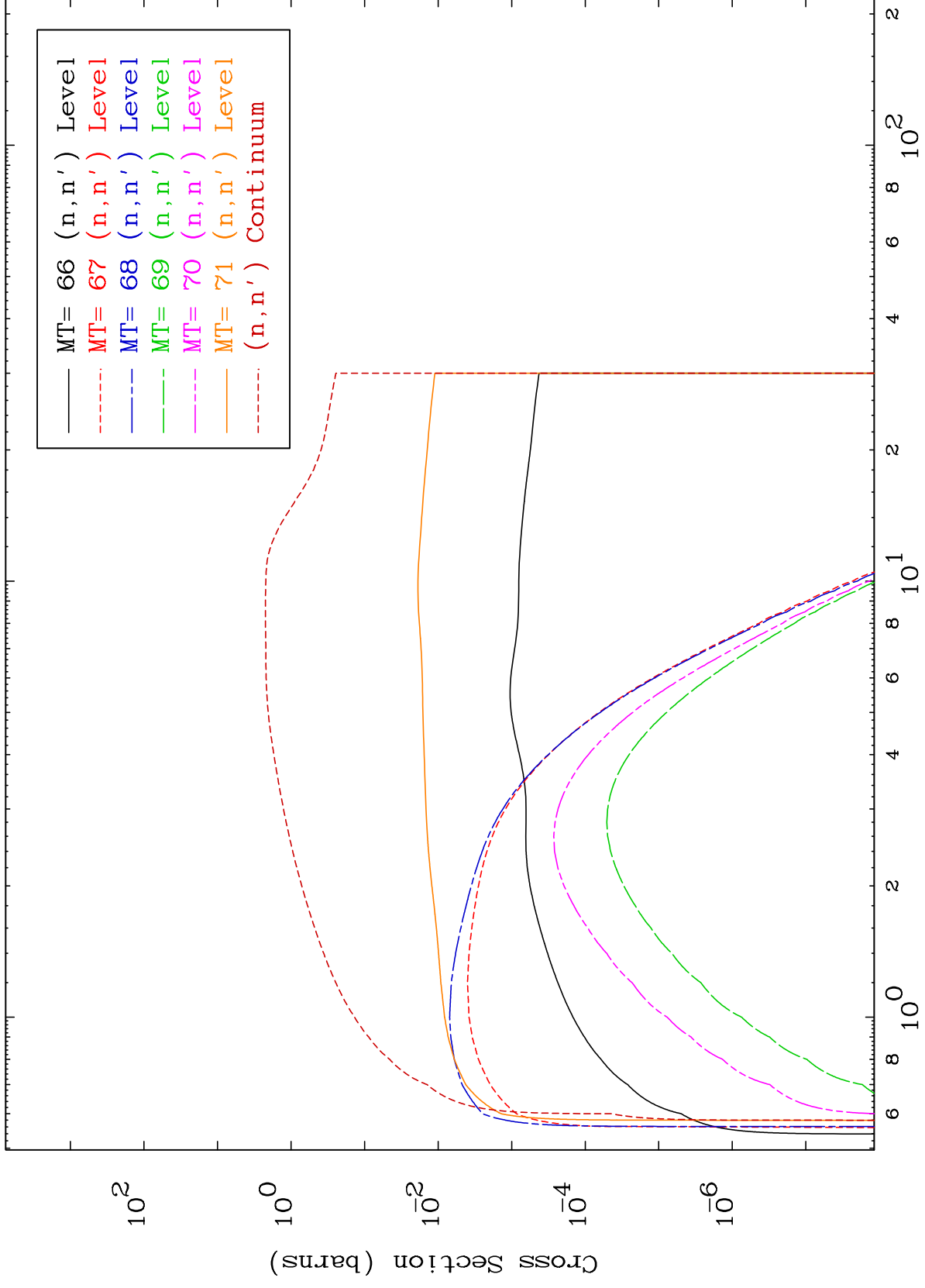


8

Incident Energy (MeV)

83-Bi-196

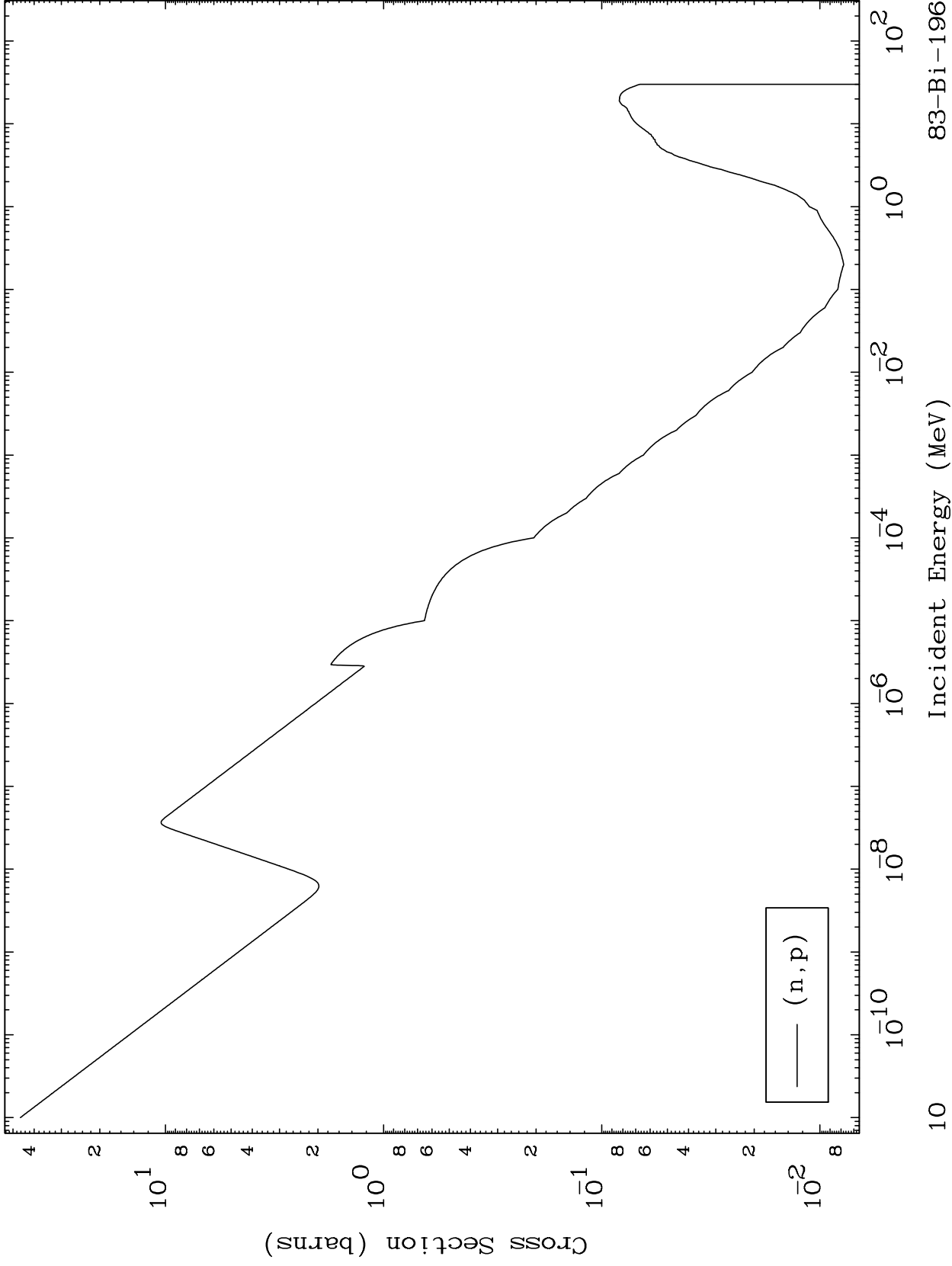
293 Kelvin Cross Sections



MAT 8286

(n,p) Levels
293 Kelvin Cross Sections

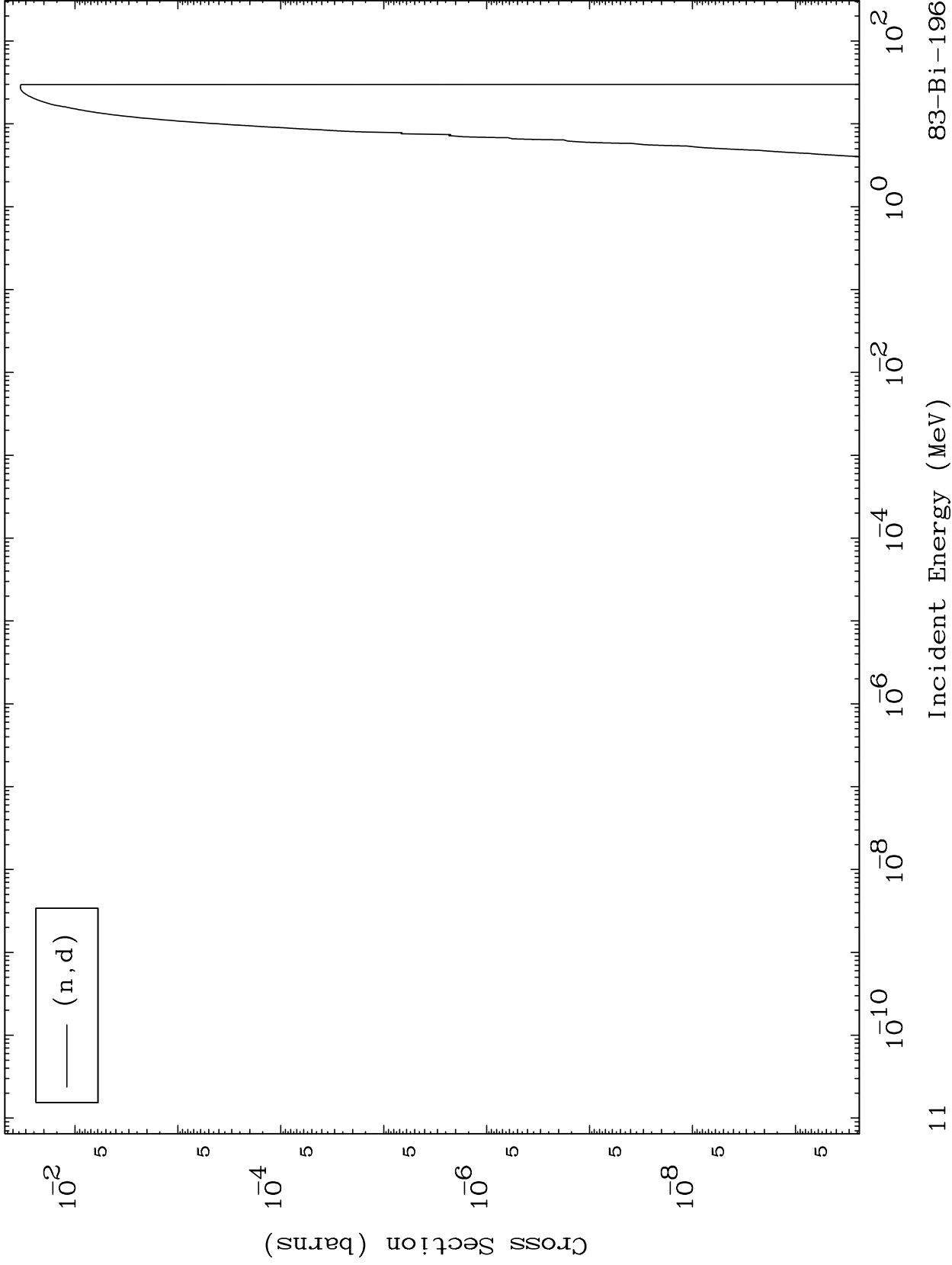
83-Bi-196



MAT 8286

(n,d) Levels
293 Kelvin Cross Sections

83-Bi-196

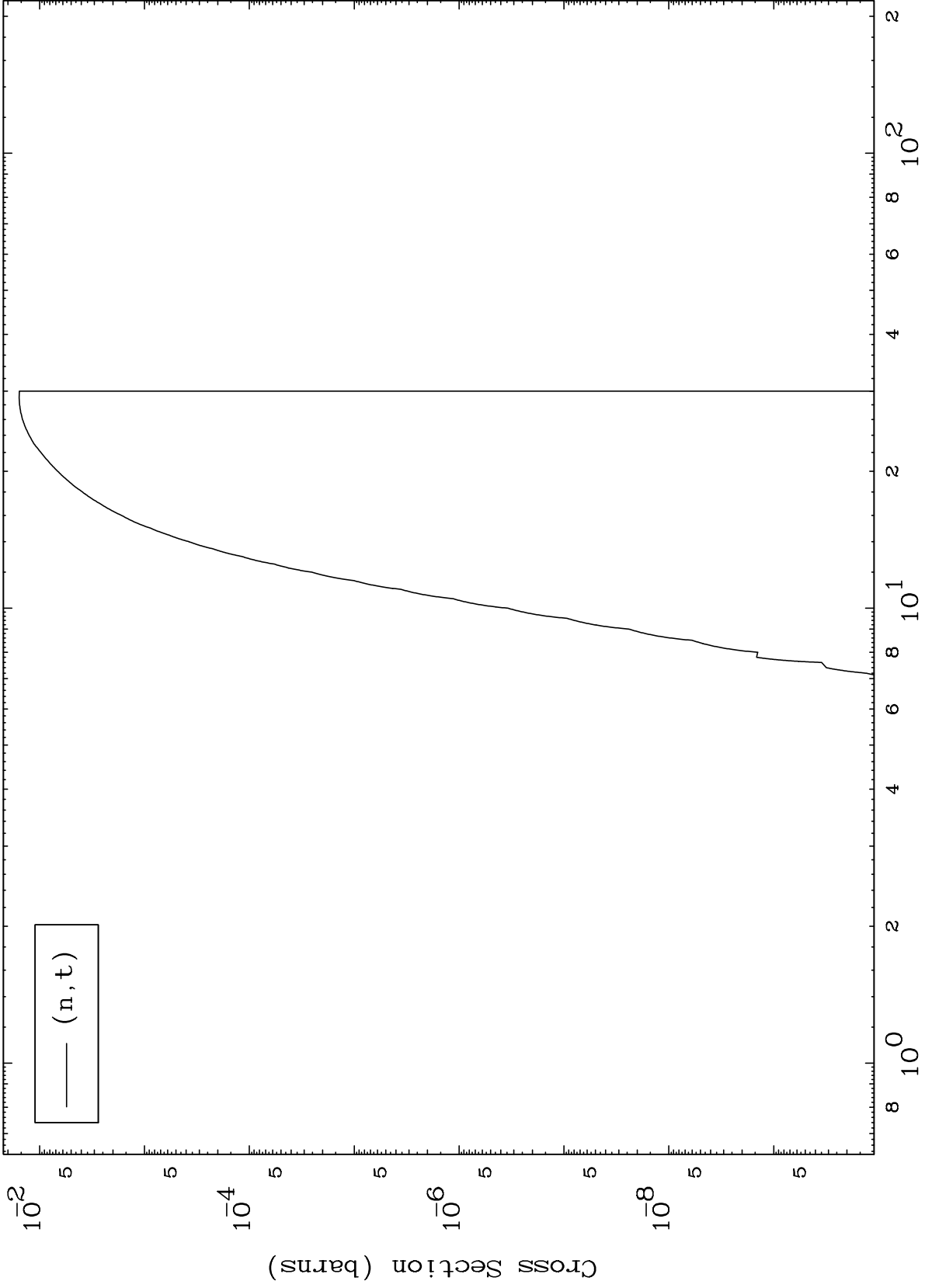


83-Bi-196

MAT 8286

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-196



12

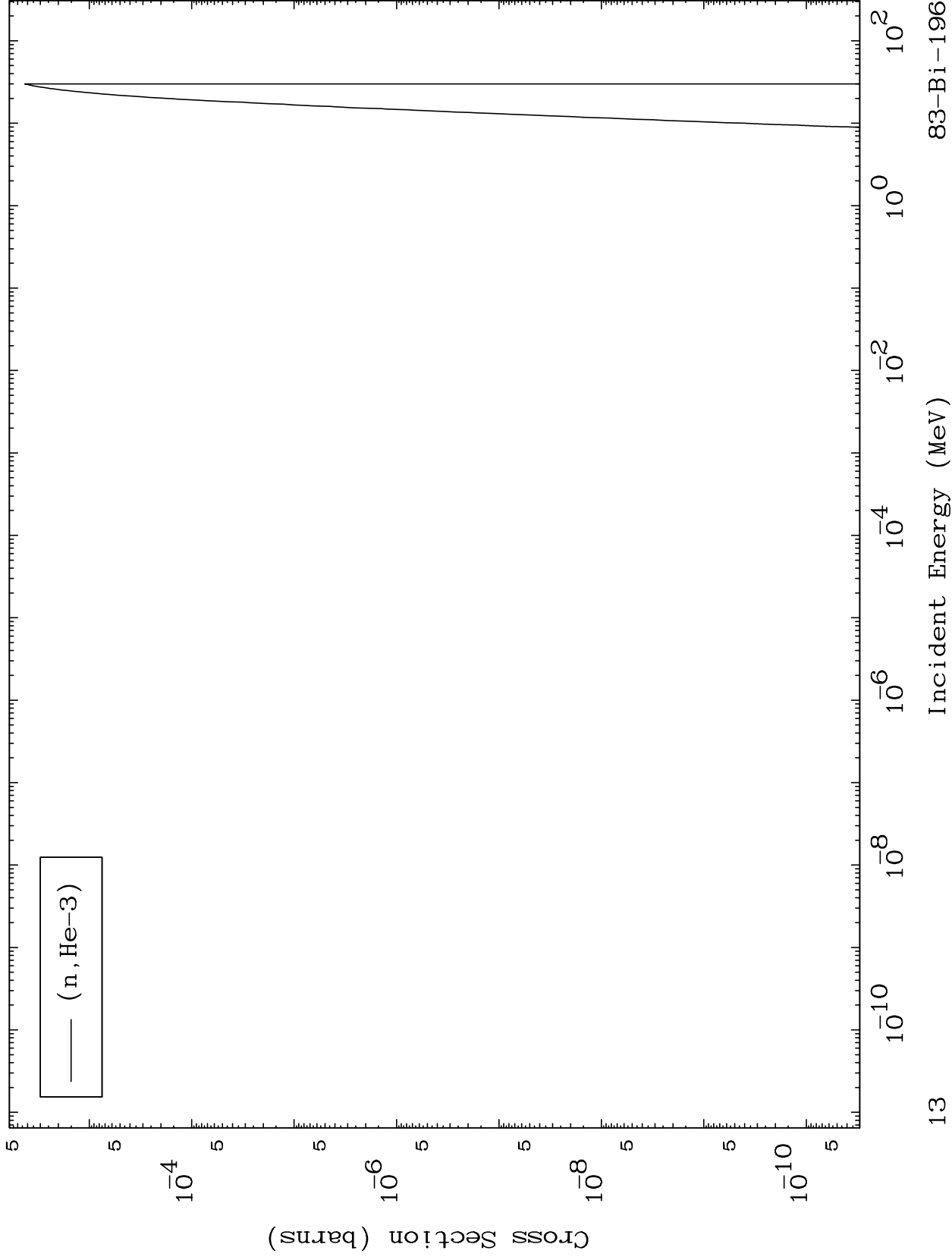
Incident Energy (MeV)

83-Bi-196

MAT 8286

(n,He3) Levels
293 Kelvin Cross Sections

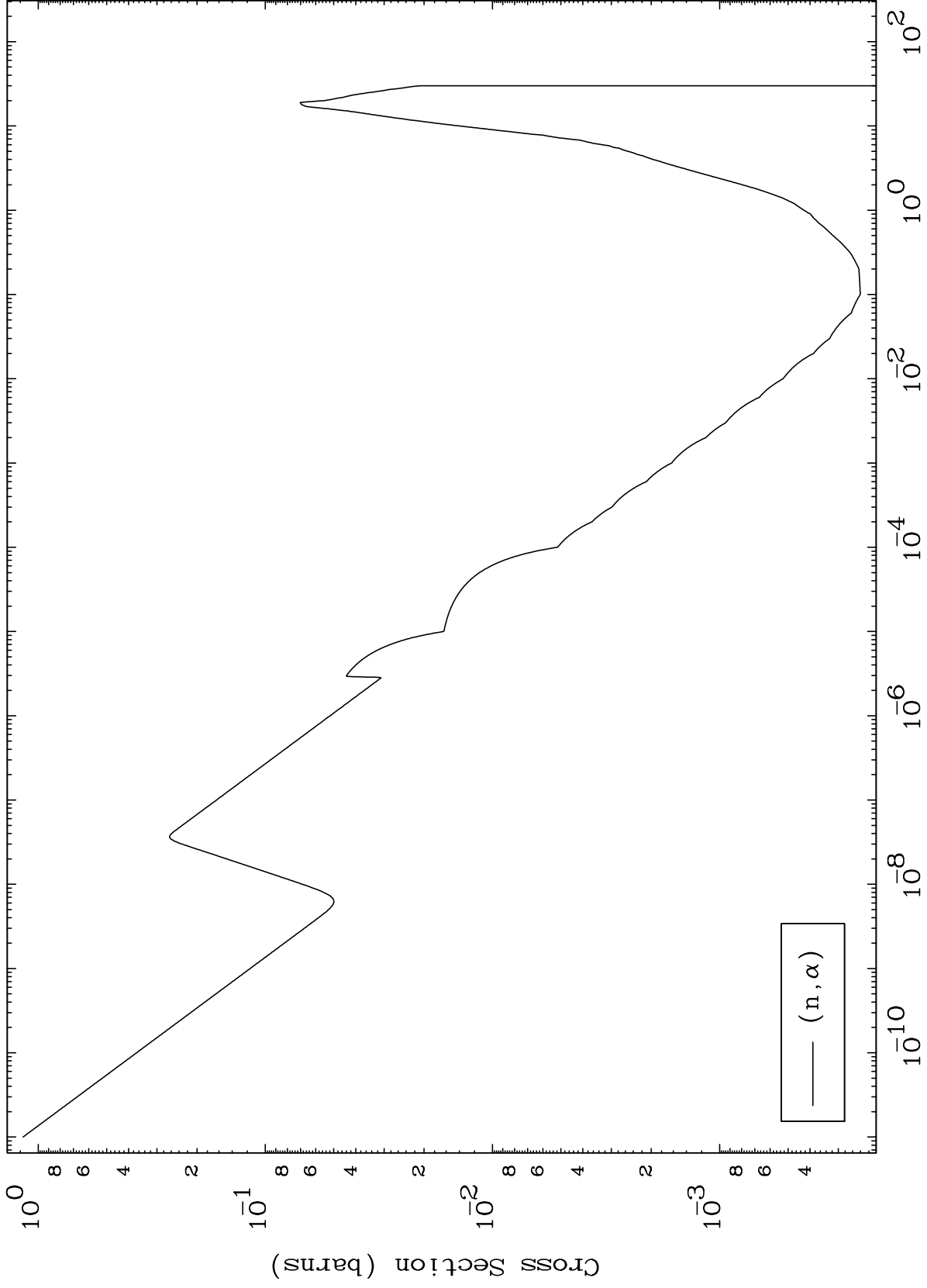
83-Bi-196



MAT 8286

(n,α) Levels
293 Kelvin Cross Sections

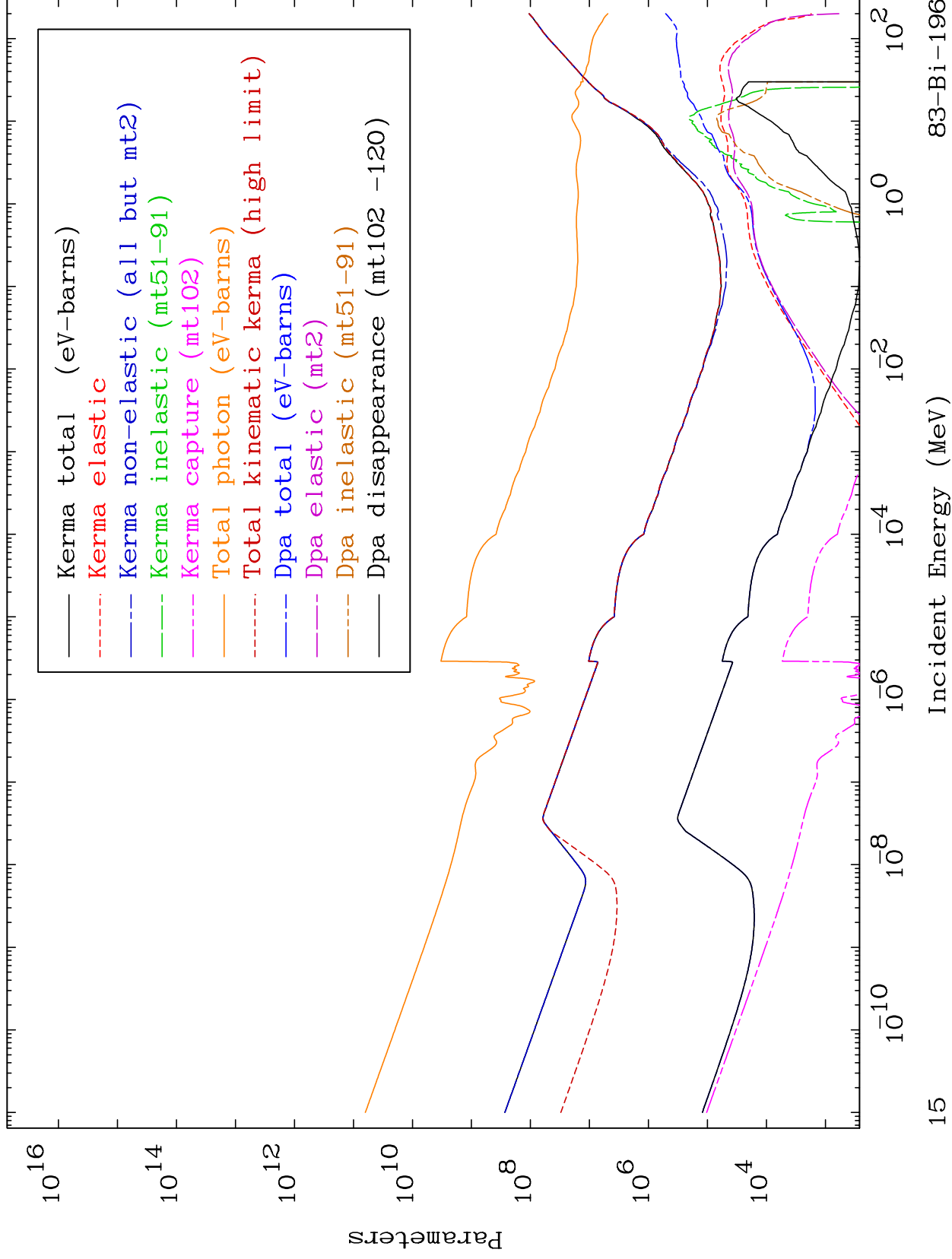
83-Bi-196



14

Incident Energy (MeV)

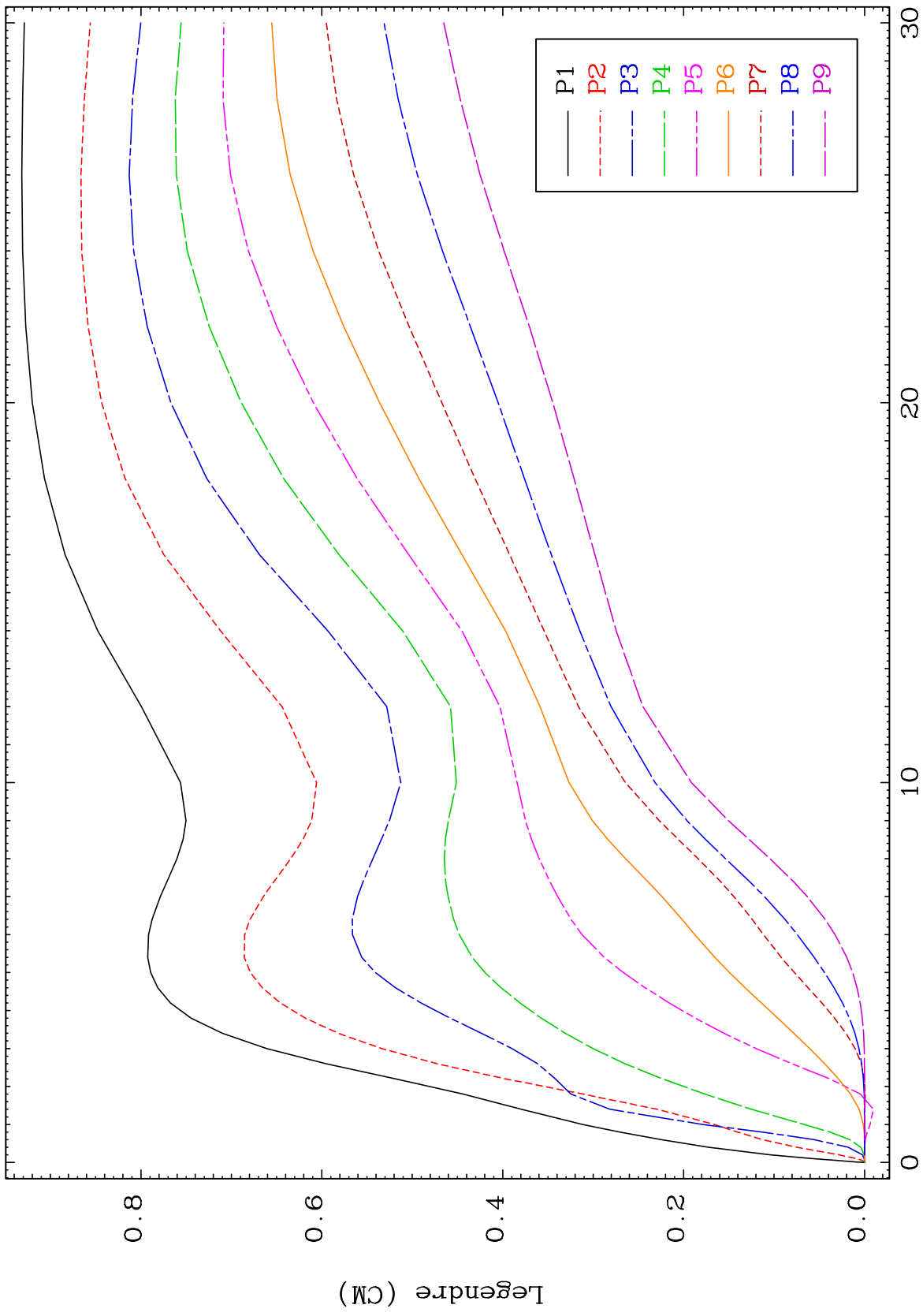
83-Bi-196



MAT 8286

83-Bi-196

Elastic Legendre Coefficients



83-Bi-196

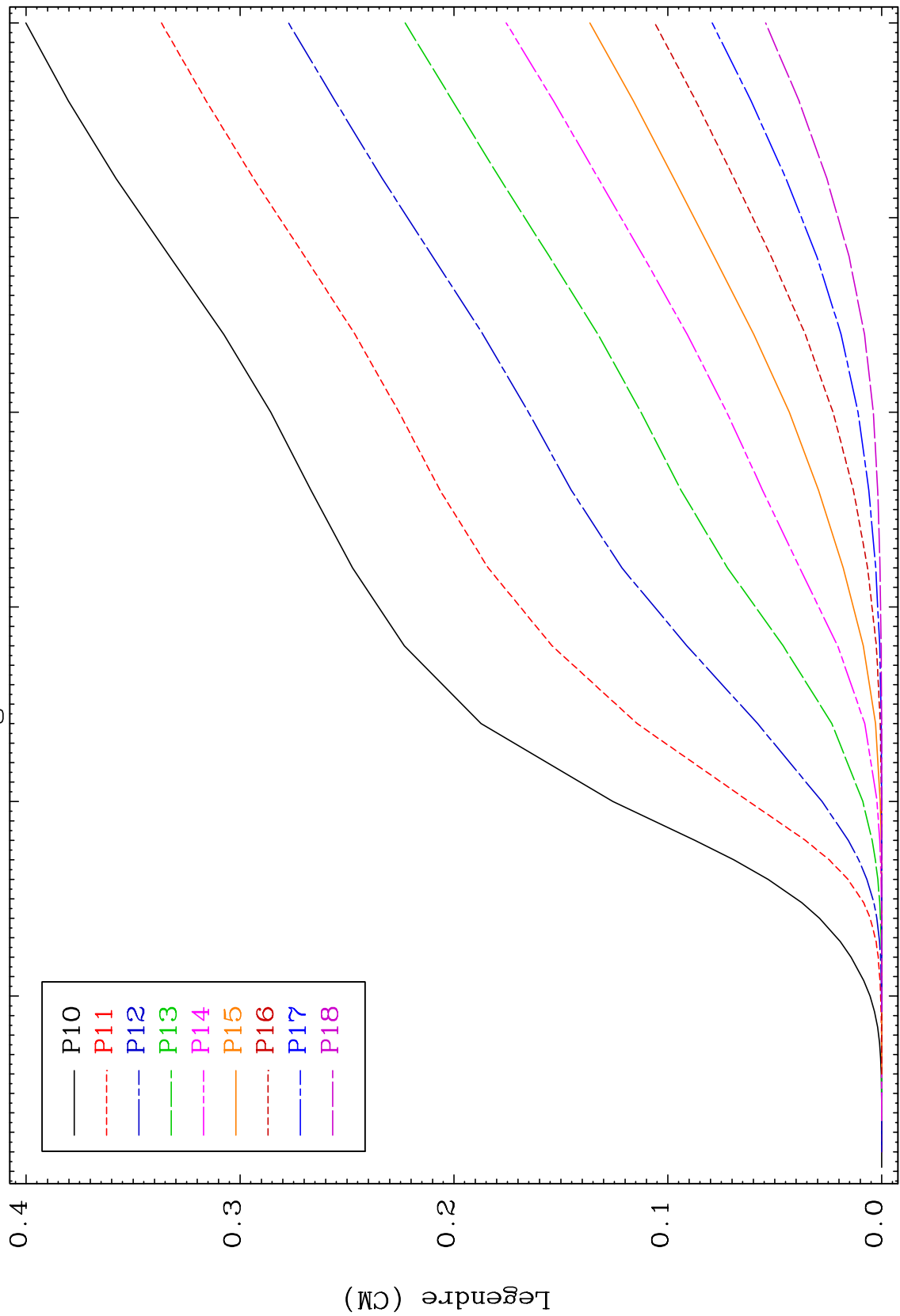
Incident Energy (MeV)

16

MAT 8286

Elastic Legendre Coefficients

83-Bi-196



17

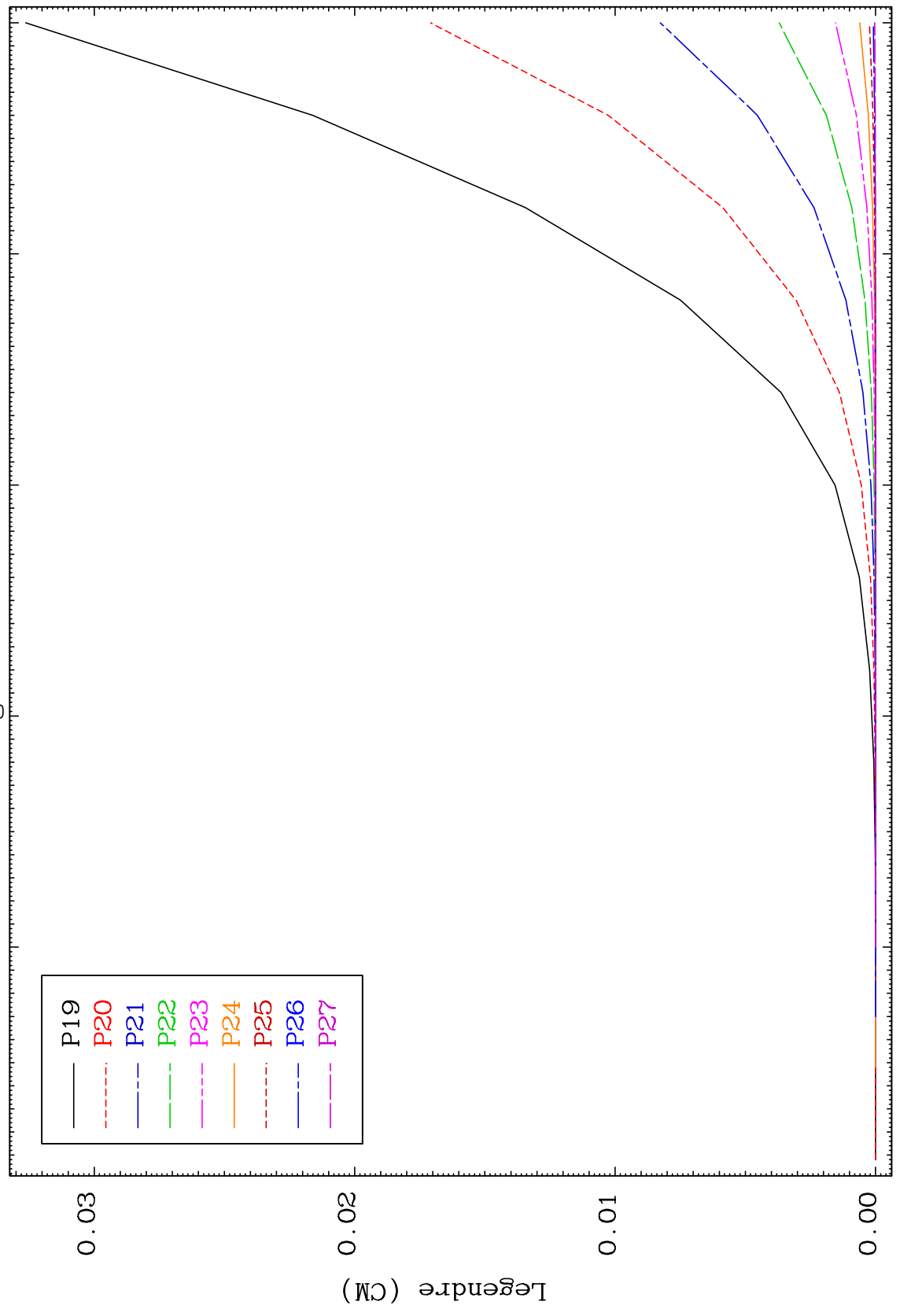
Incident Energy (MeV)

83-Bi-196

MAT 8286

Elastic Legendre Coefficients

83-Bi-196



18

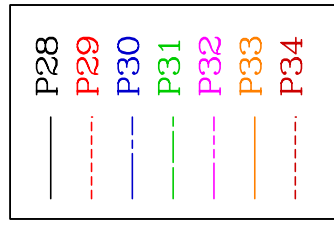
Incident Energy (MeV)

83-Bi-196

MAT 8286

Elastic Legendre Coefficients

83-Bi-196



$\times 10^{-5}$

Legendre (CM)

0.8

0.6

0.4

0.2

0.0

15

20

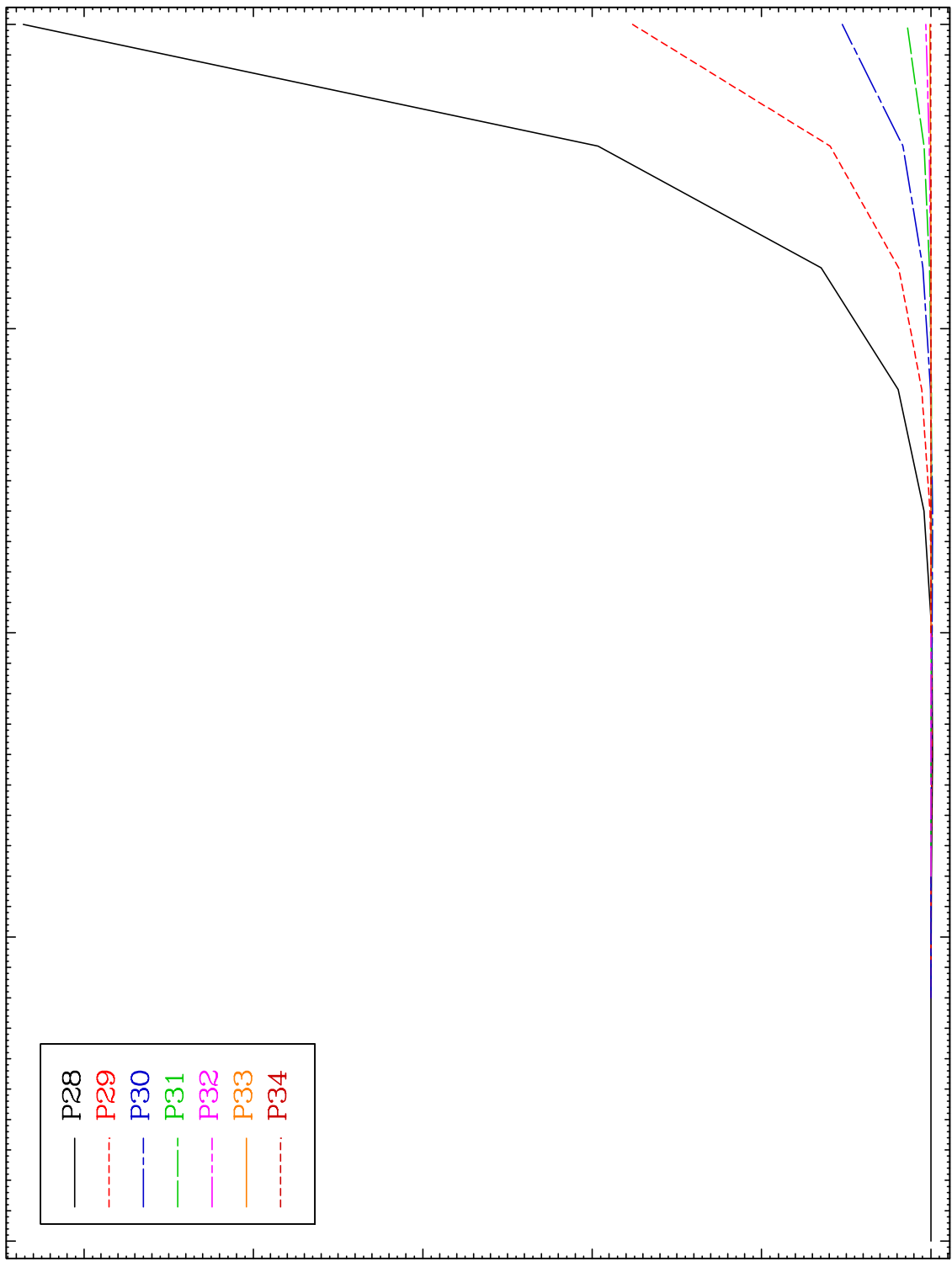
25

30

19

Incident Energy (MeV)

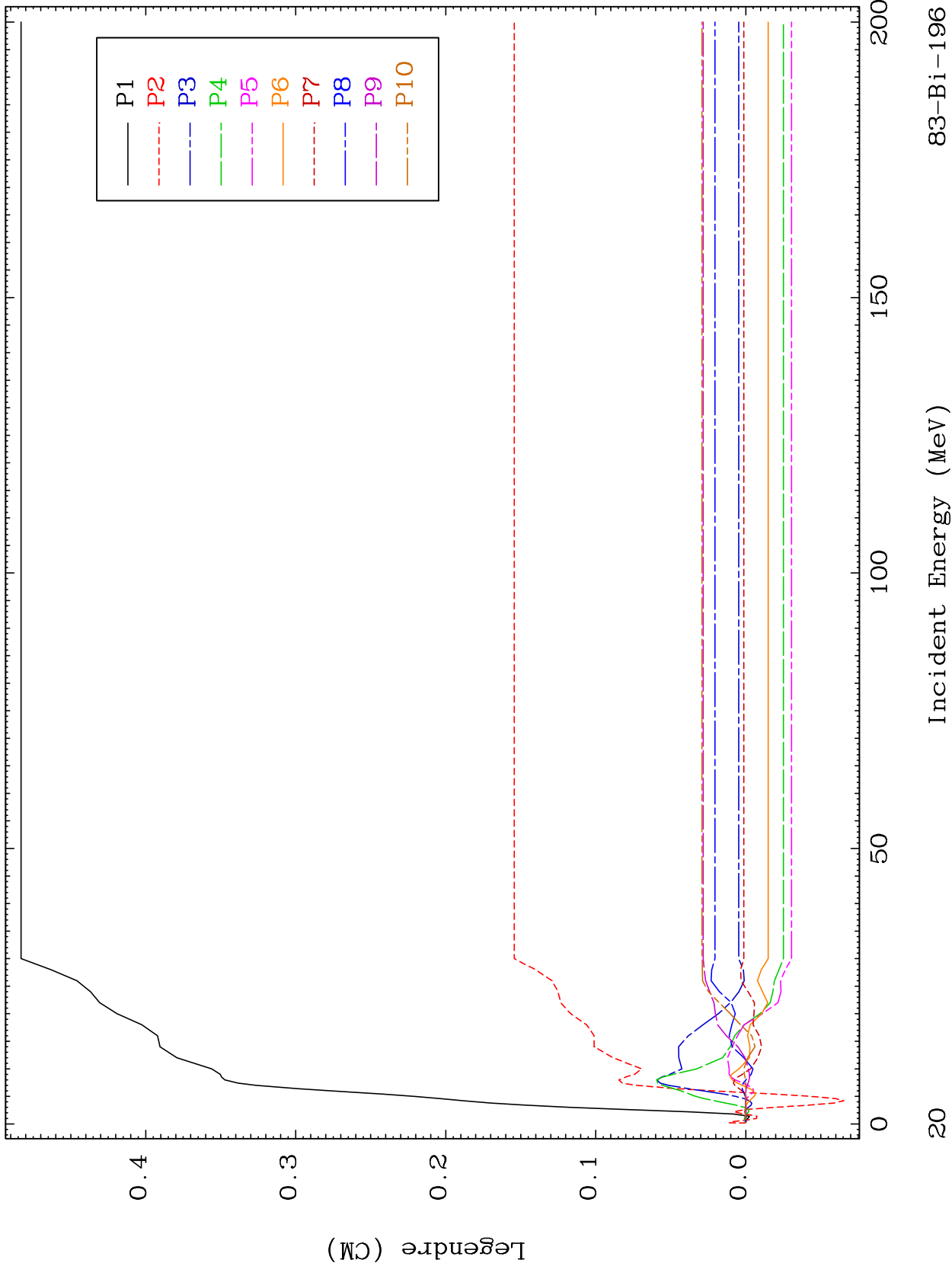
83-Bi-196



MAT 8286

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

83-Bi-196



83-Bi-196

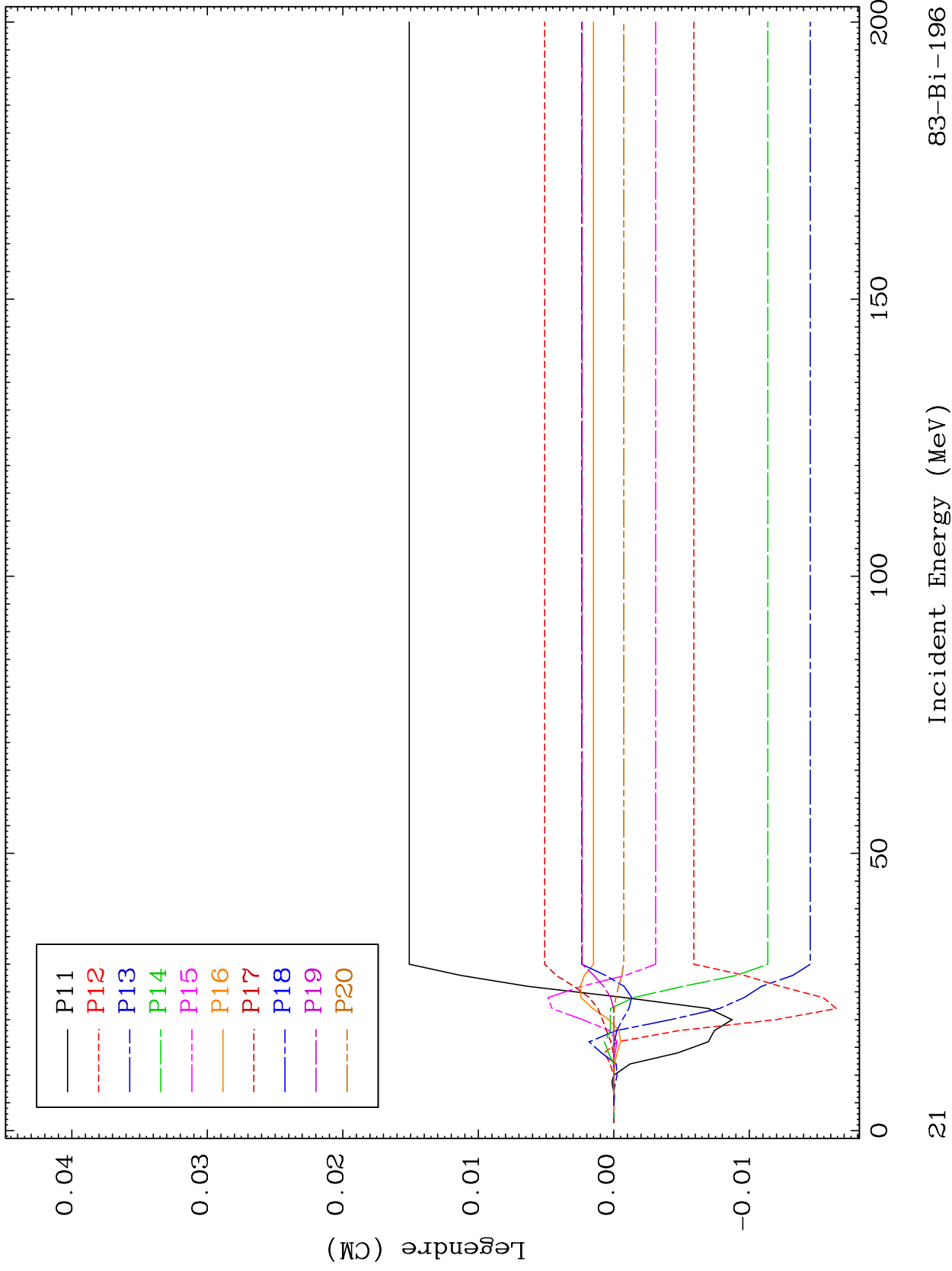
Incident Energy (MeV)

20

MAT 8286

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

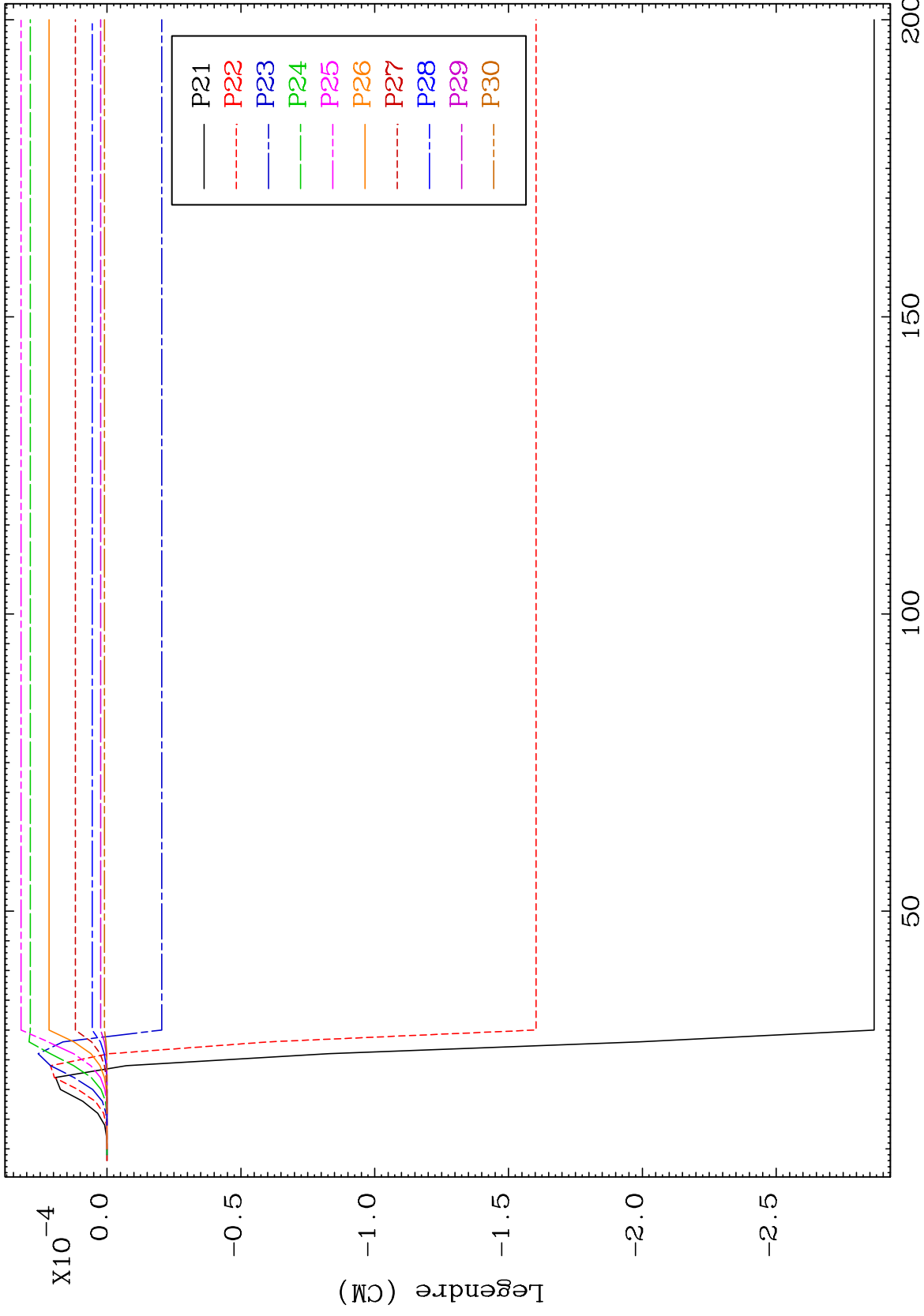
83-Bi-196



21

Incident Energy (MeV)

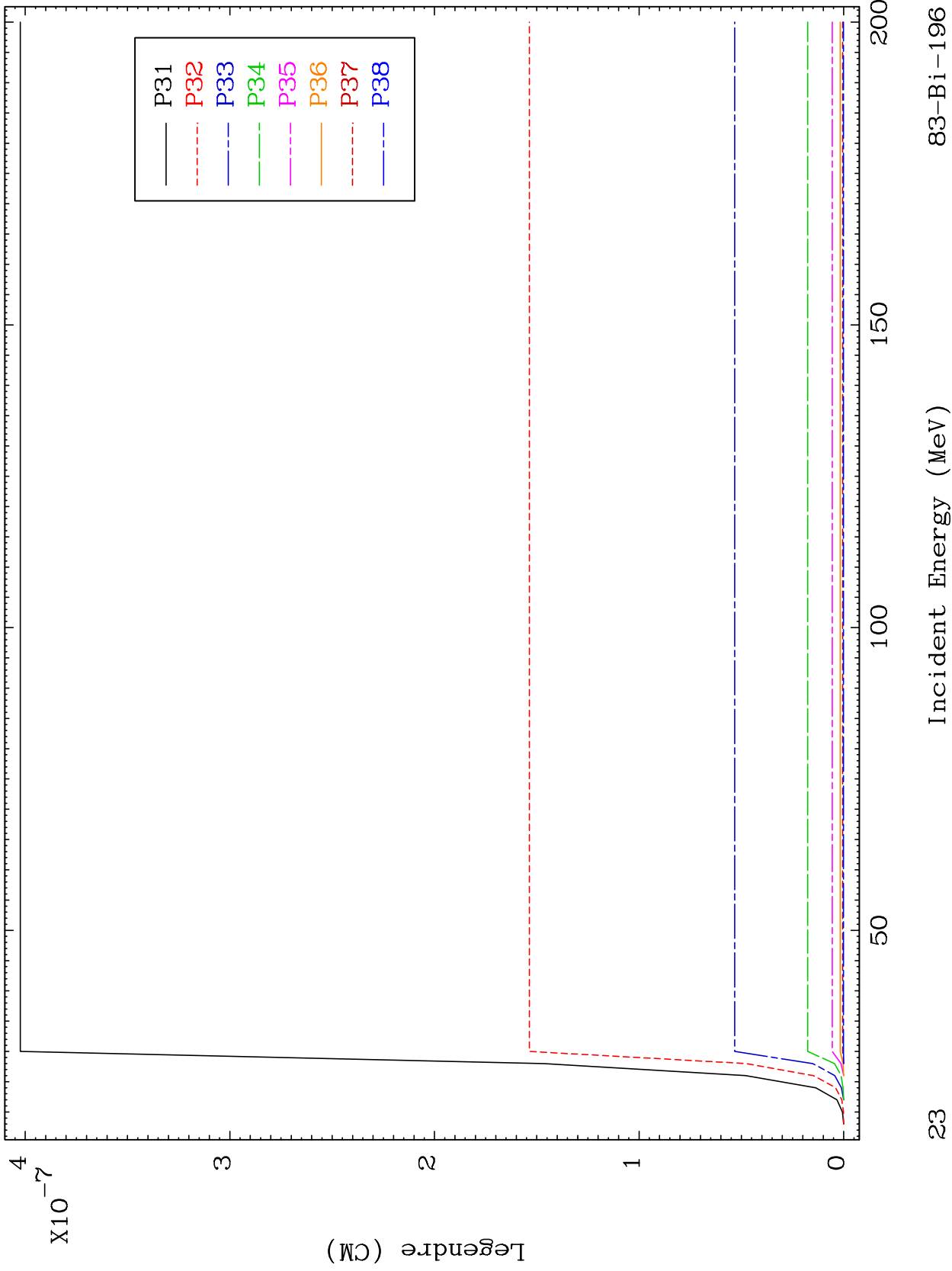
83-Bi-196



MAT 8286

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

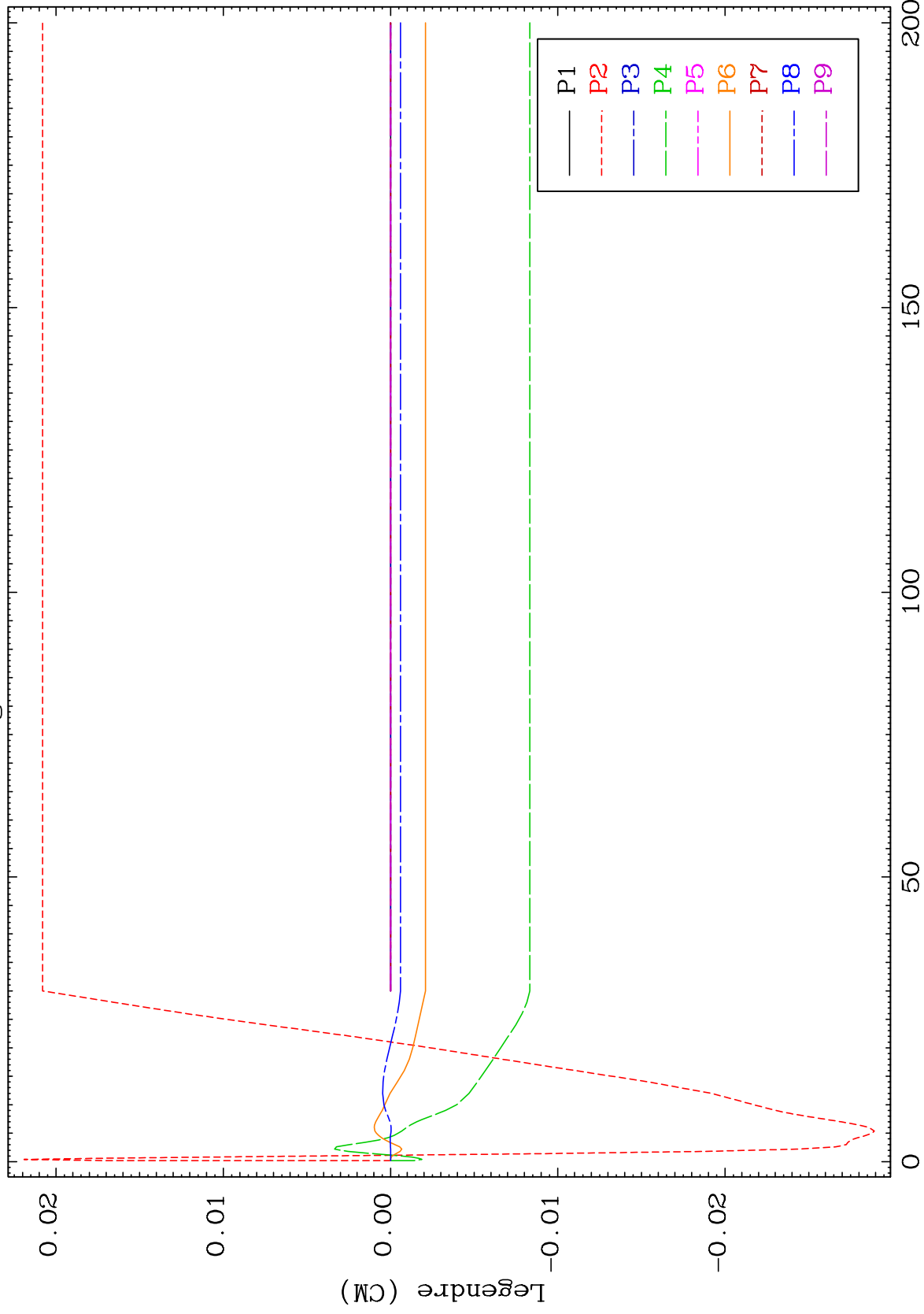
83-Bi-196



MAT 8286

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

83-Bi-196



24

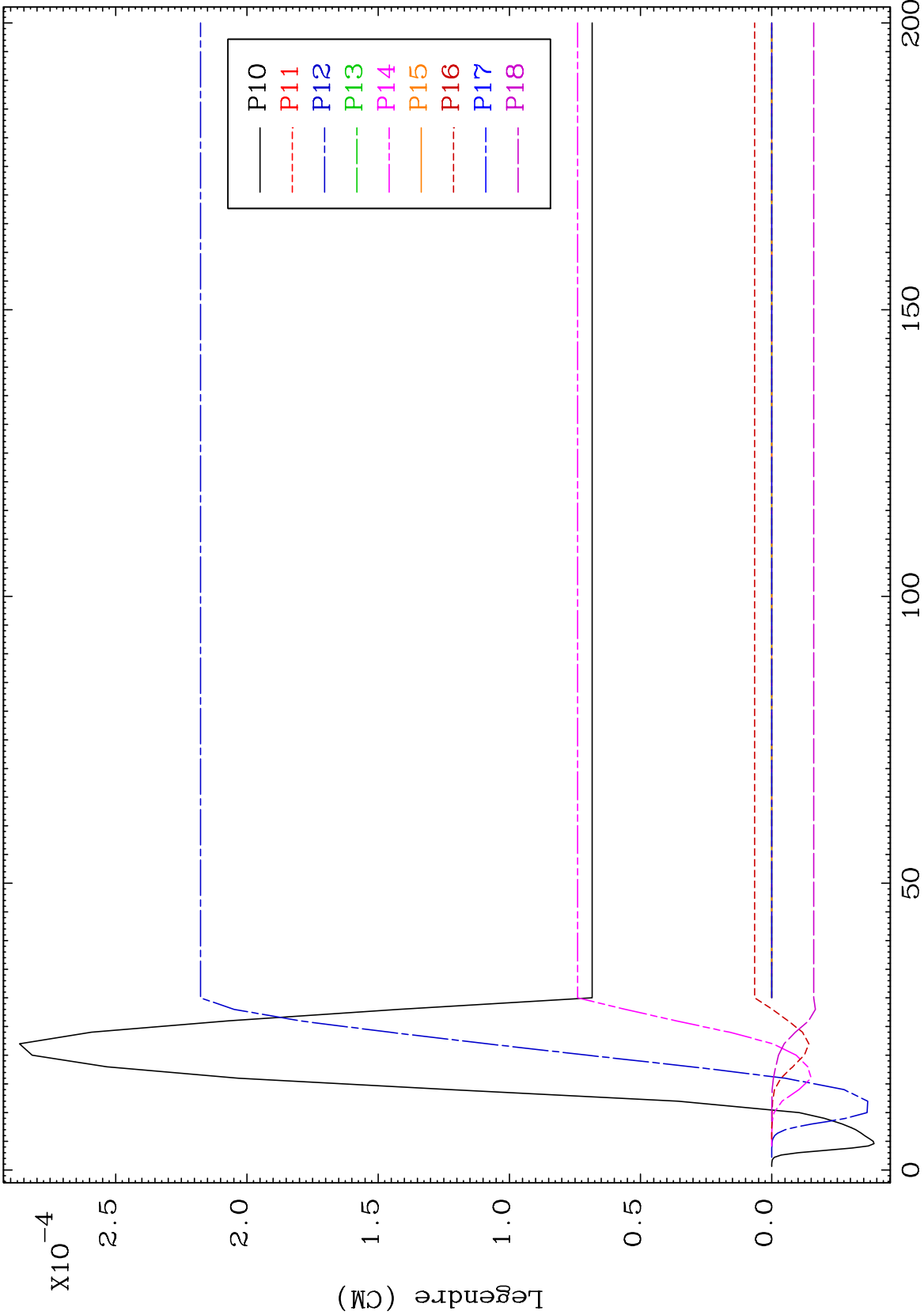
Incident Energy (MeV)

83-Bi-196

MAT 82866

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

83-Bi-196



25

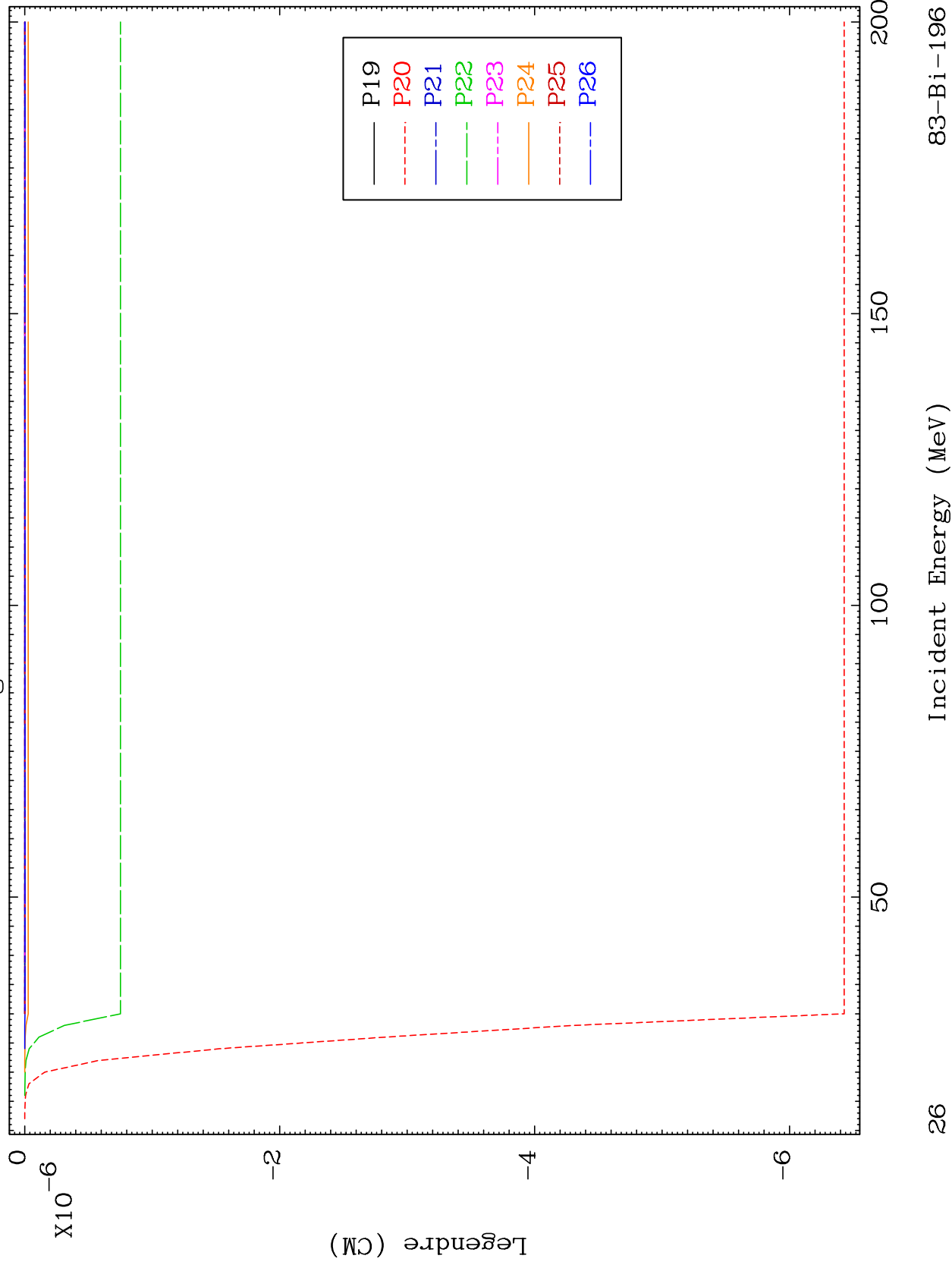
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



26

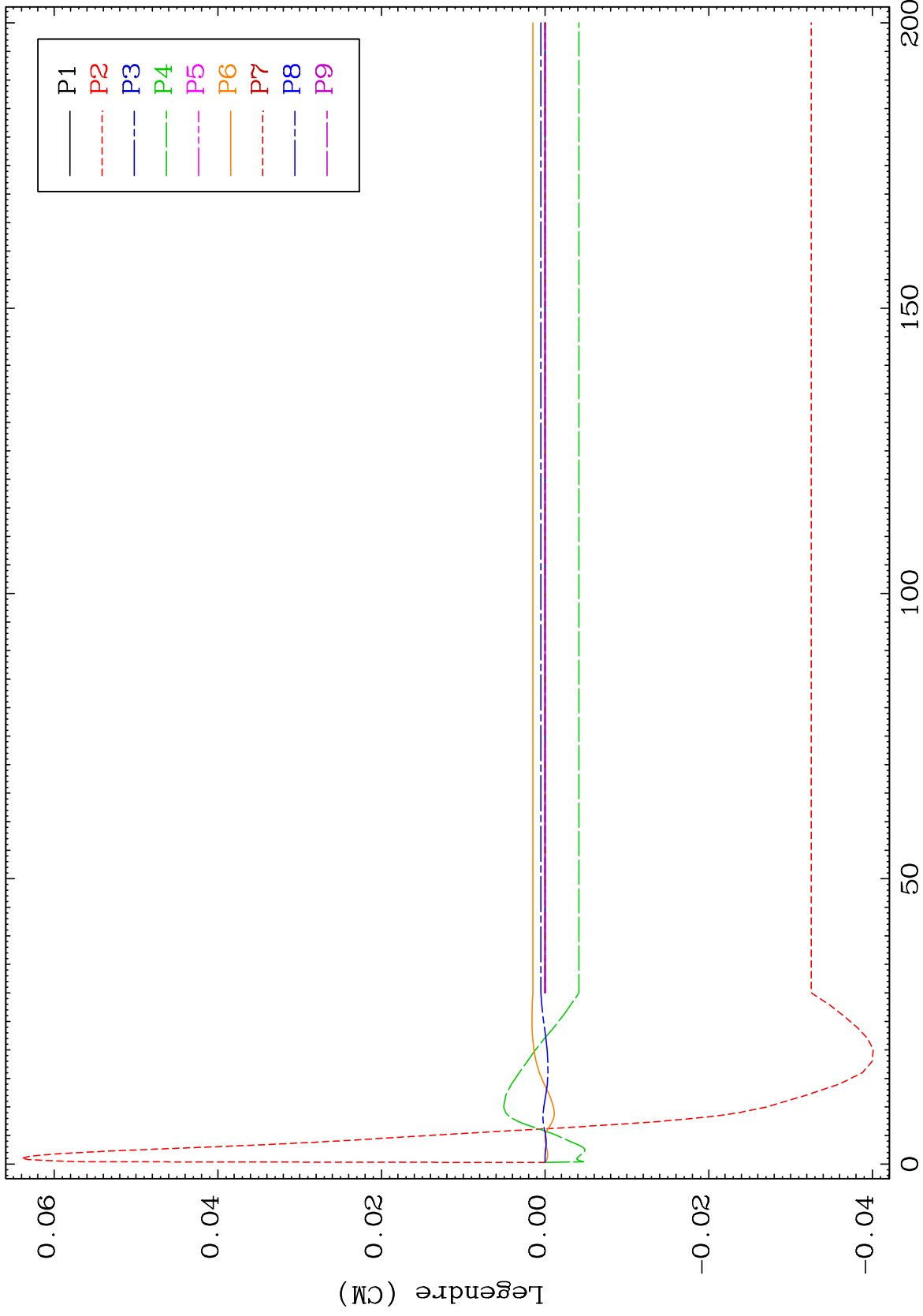
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



27

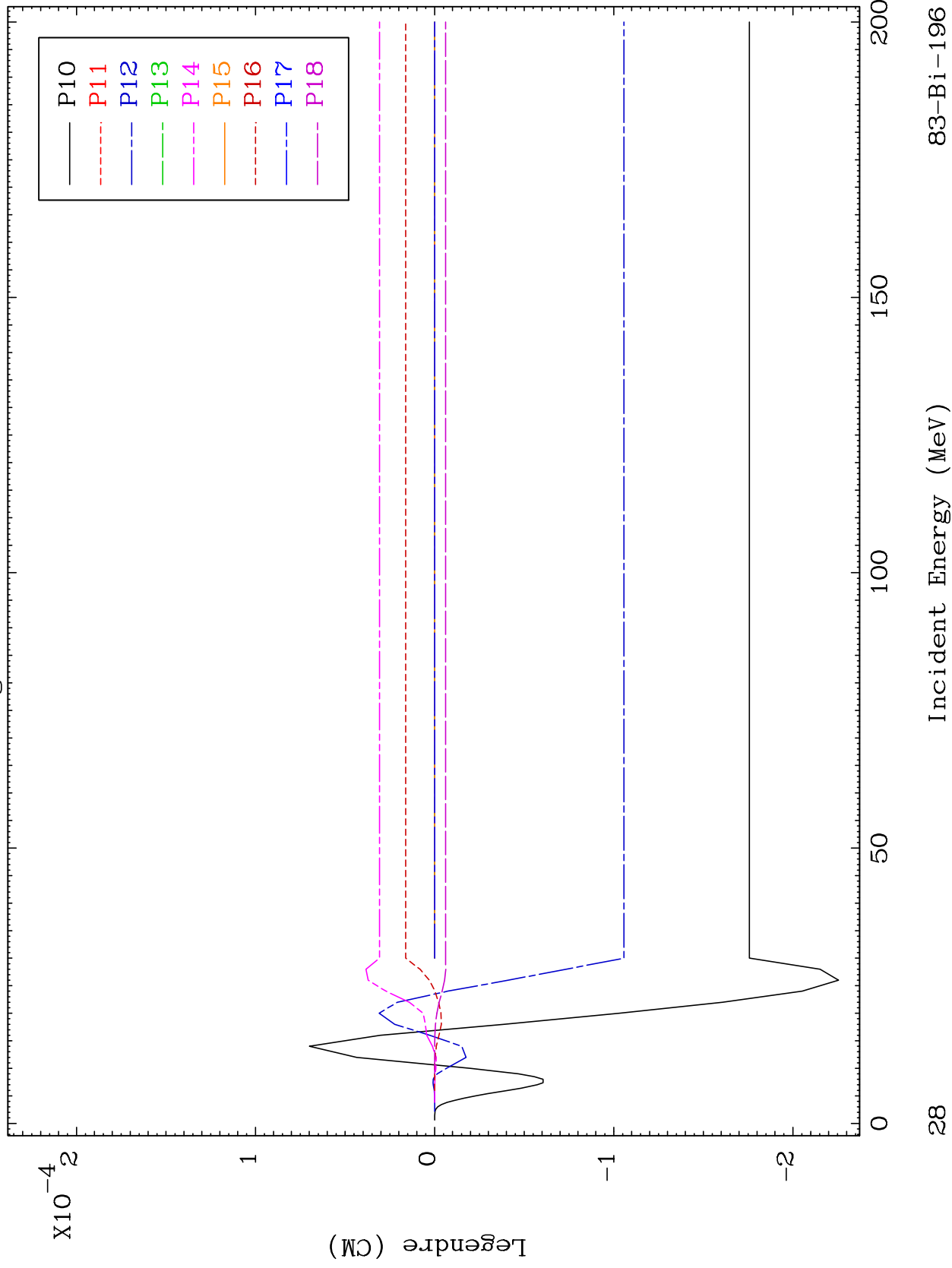
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



28

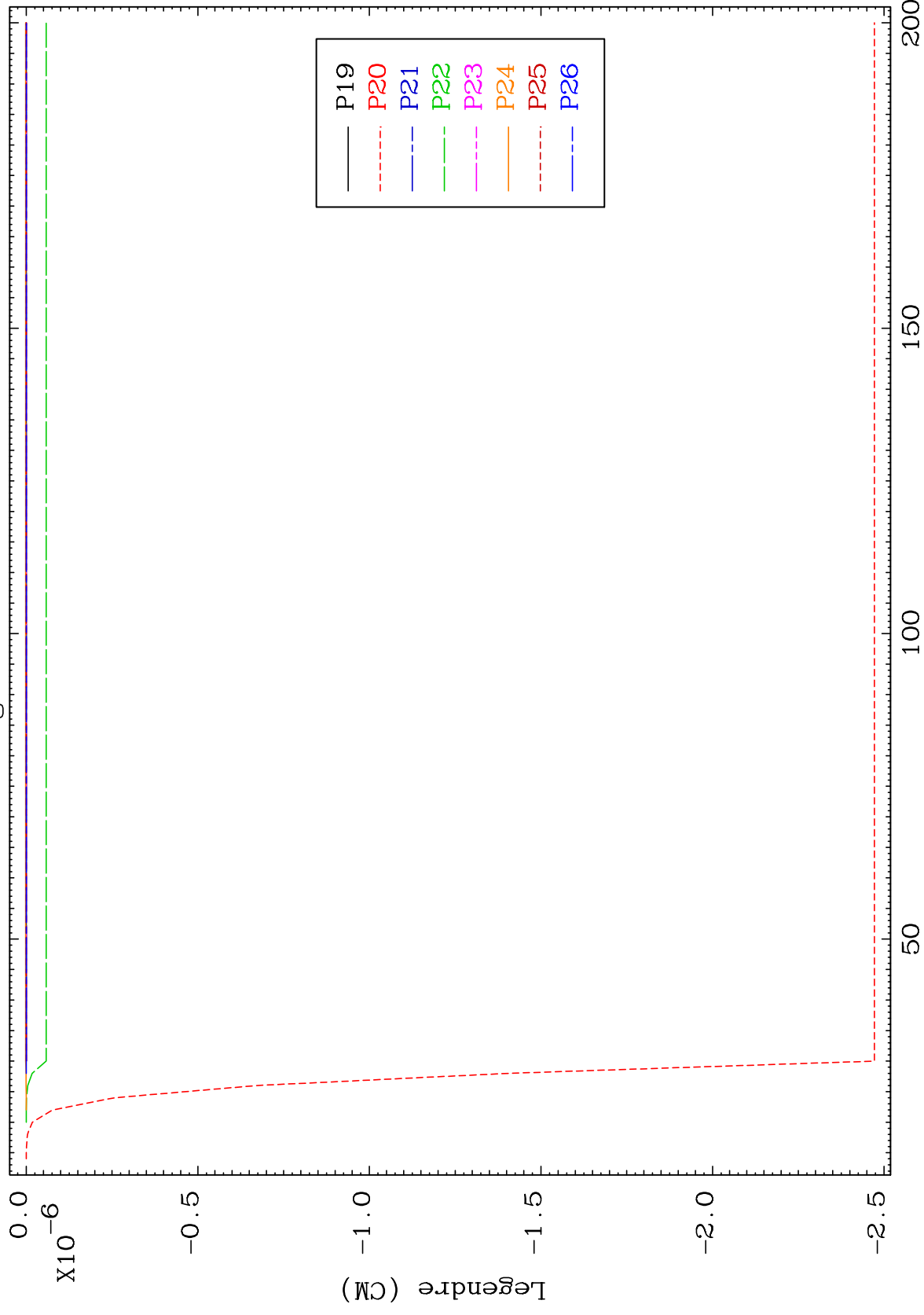
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

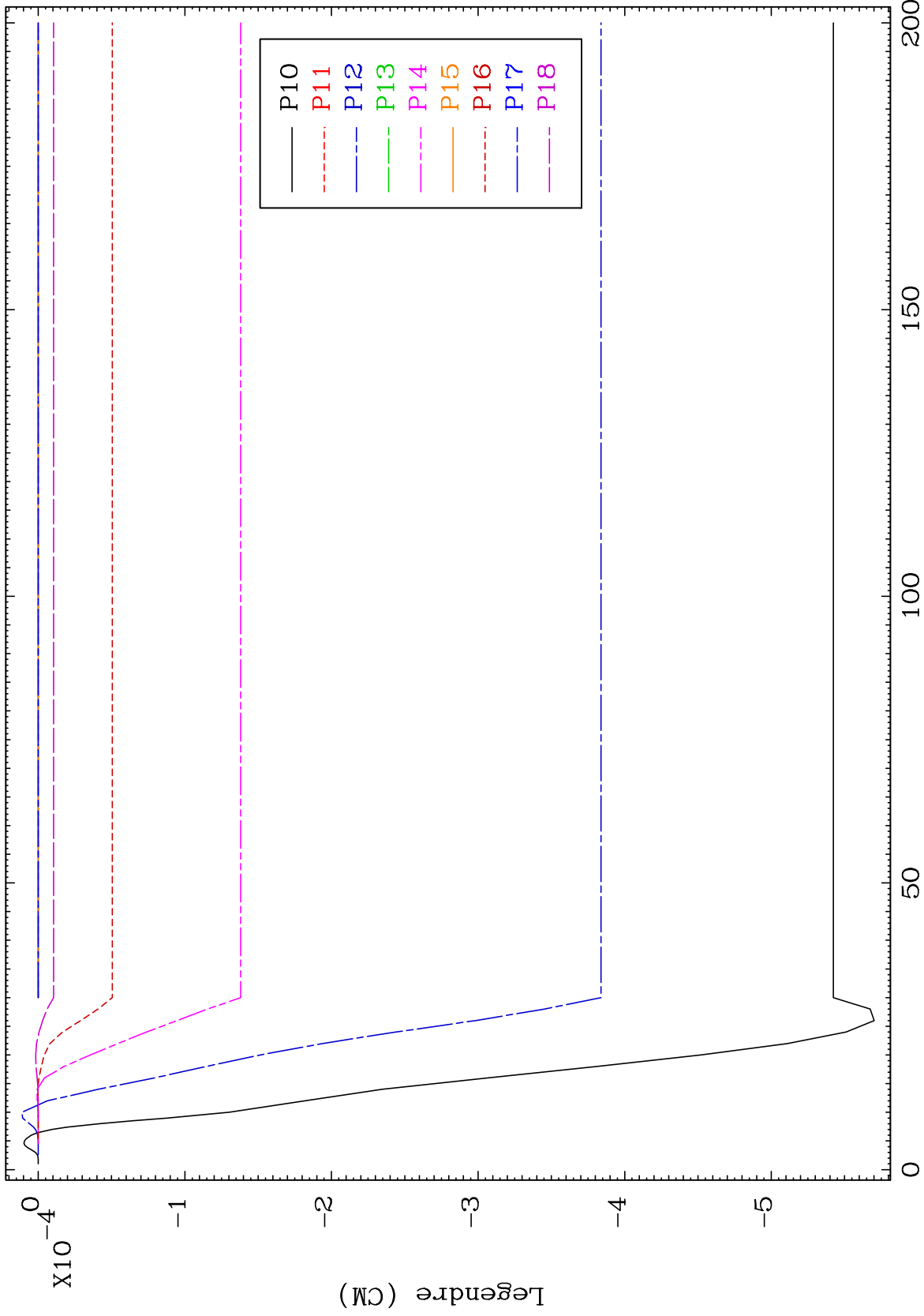
83-Bi-196



MAT 8286

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

83-Bi-196



31

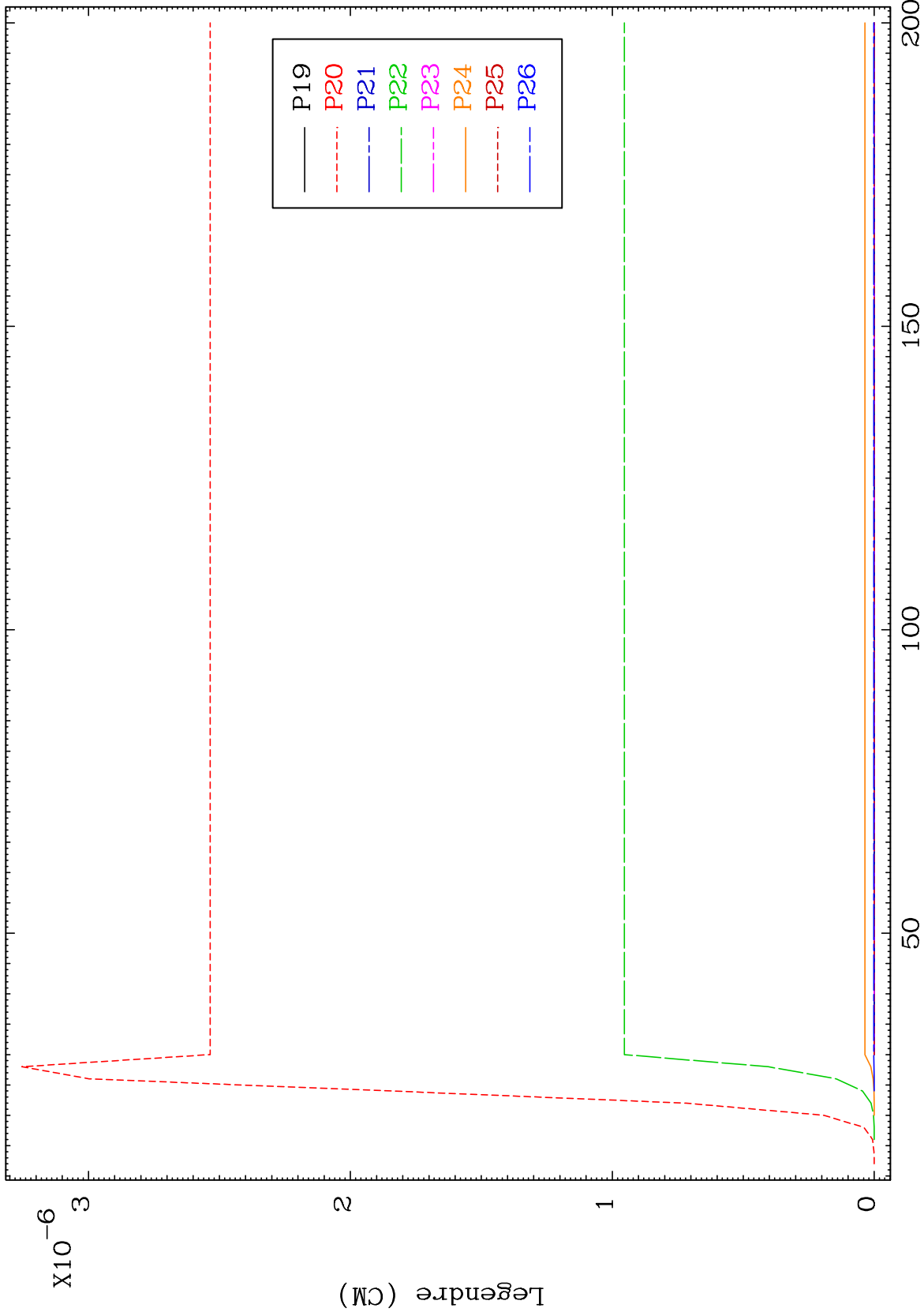
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



32

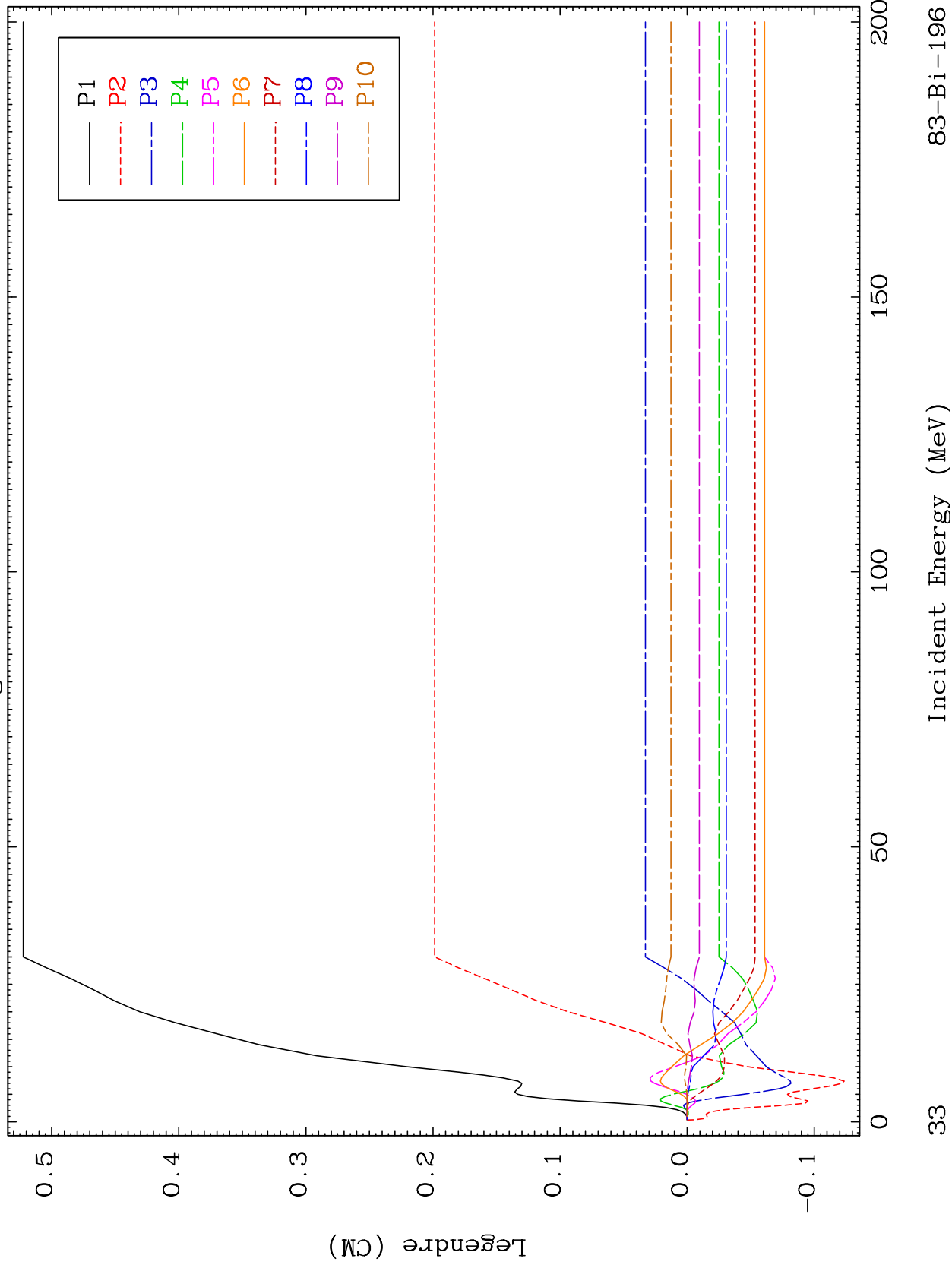
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

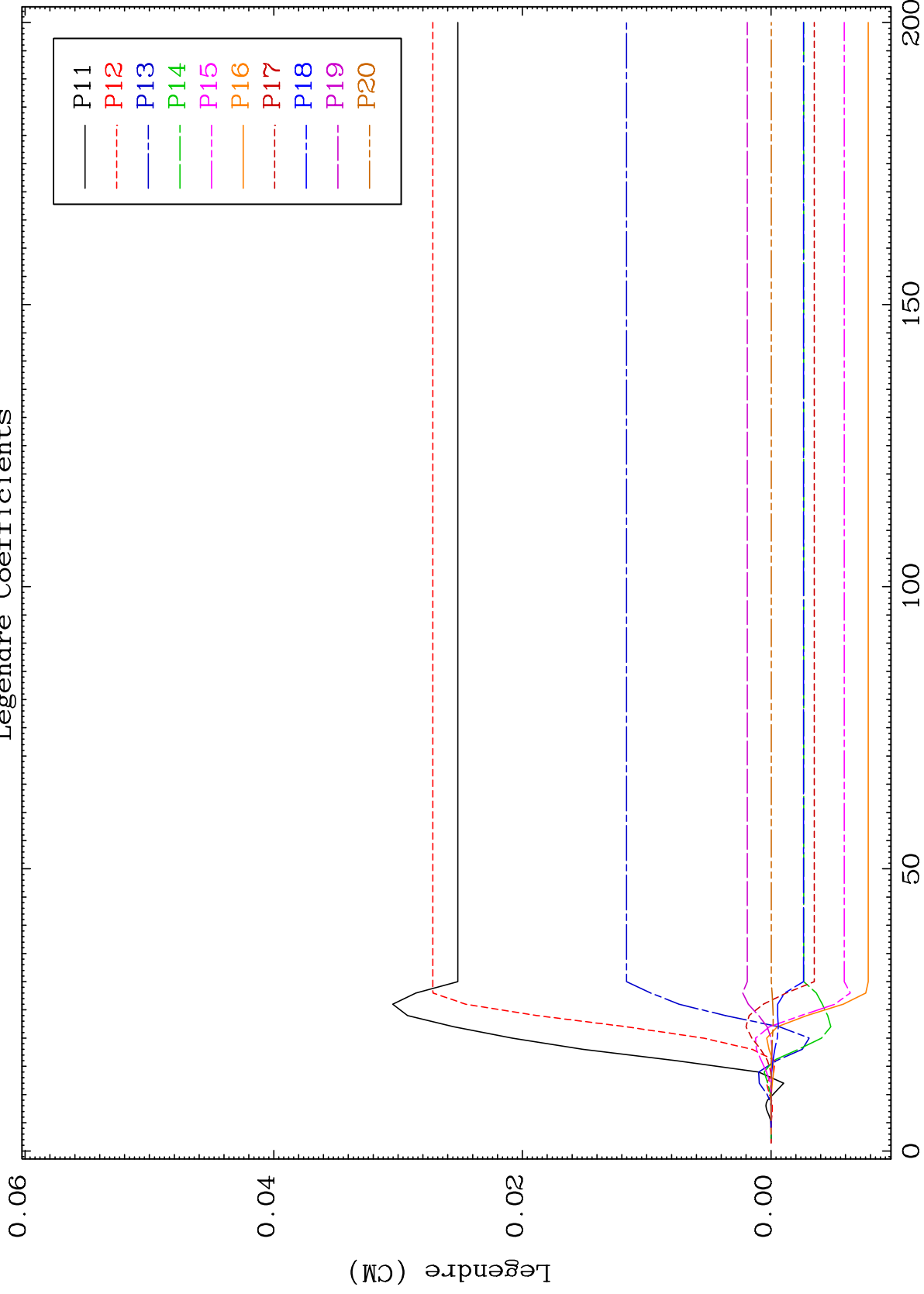
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MAT 8286

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

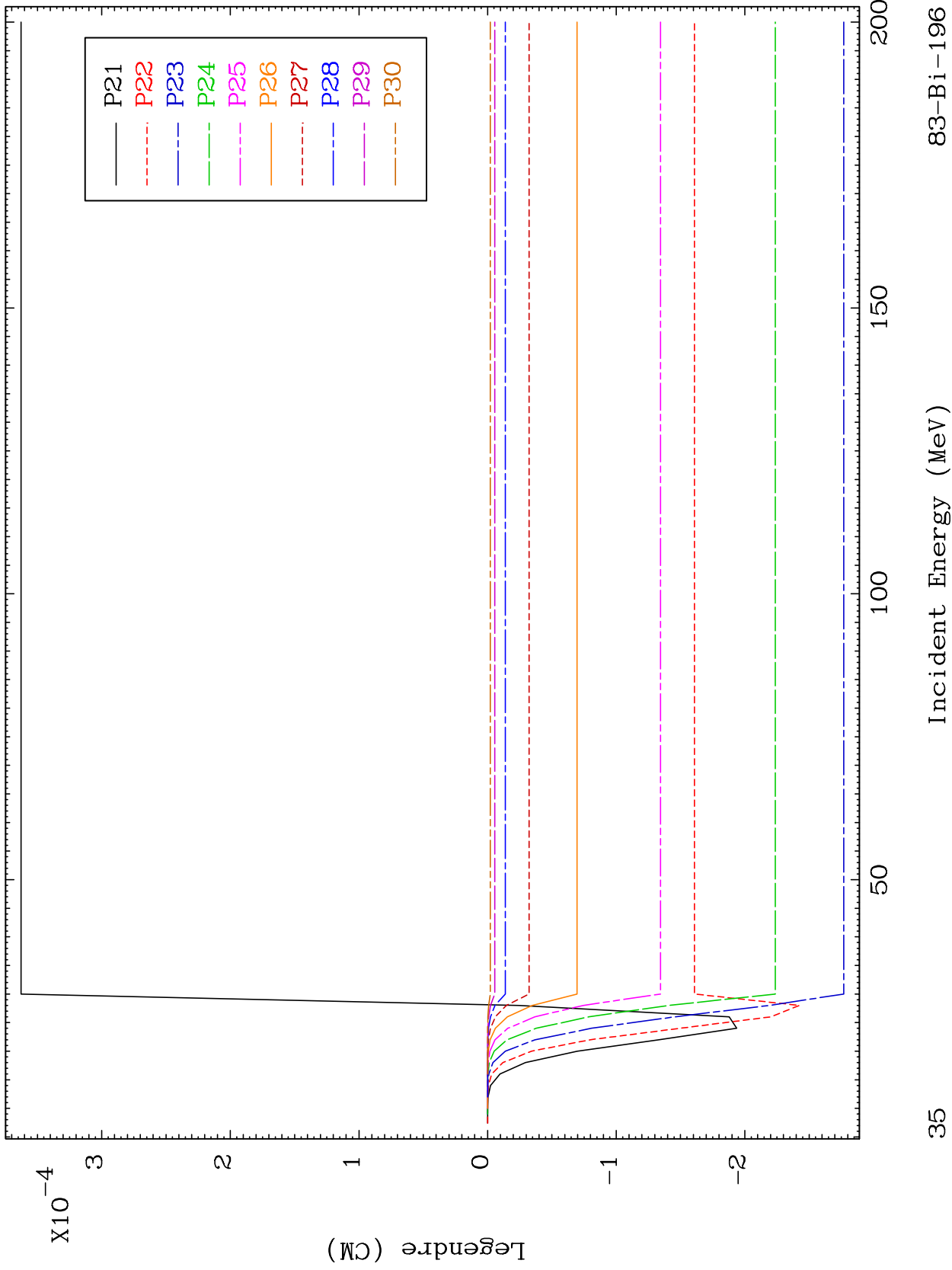
83-Bi-196



34

Incident Energy (MeV)

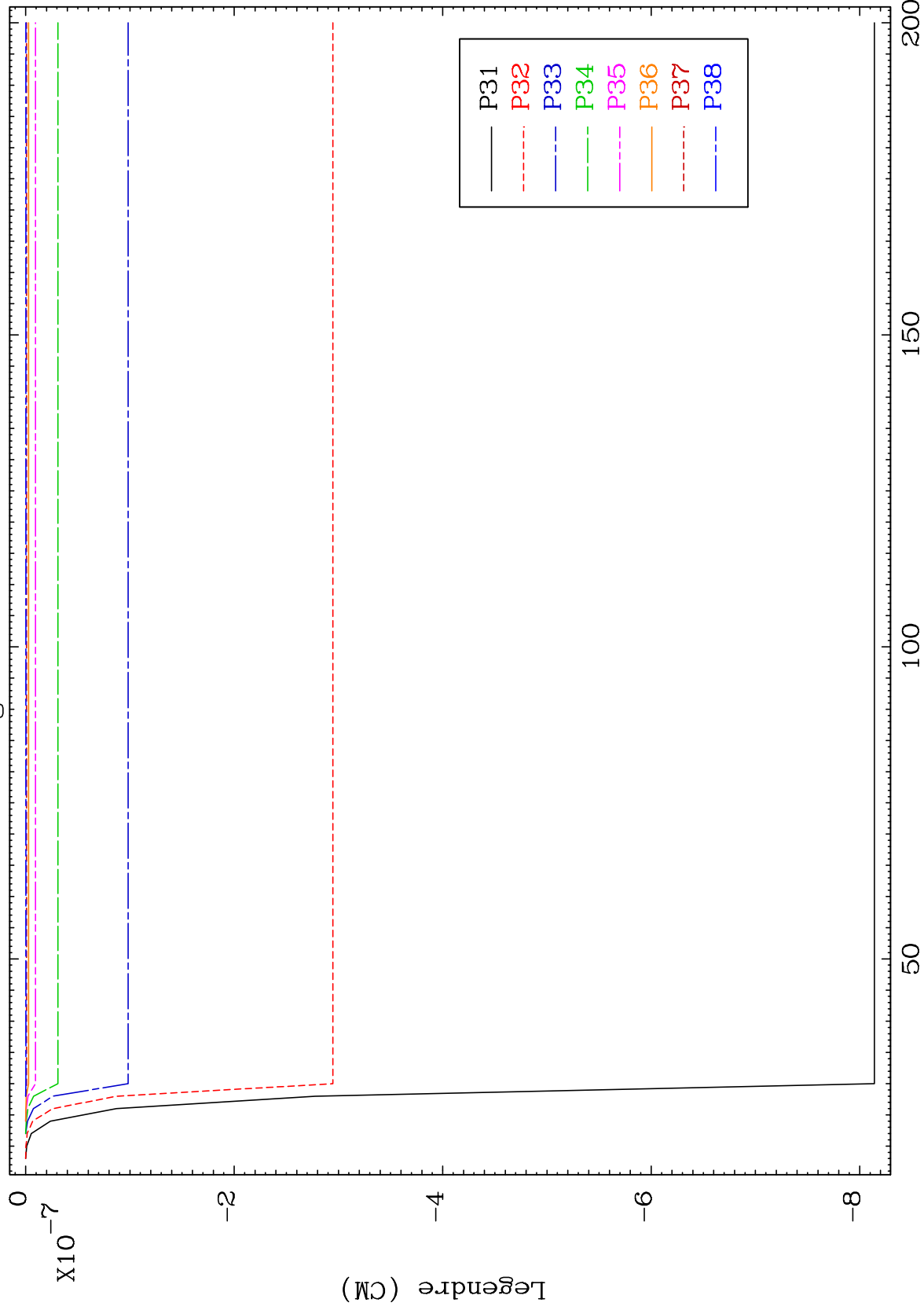
83-Bi-196



MAT 8286

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

83-Bi-196



36

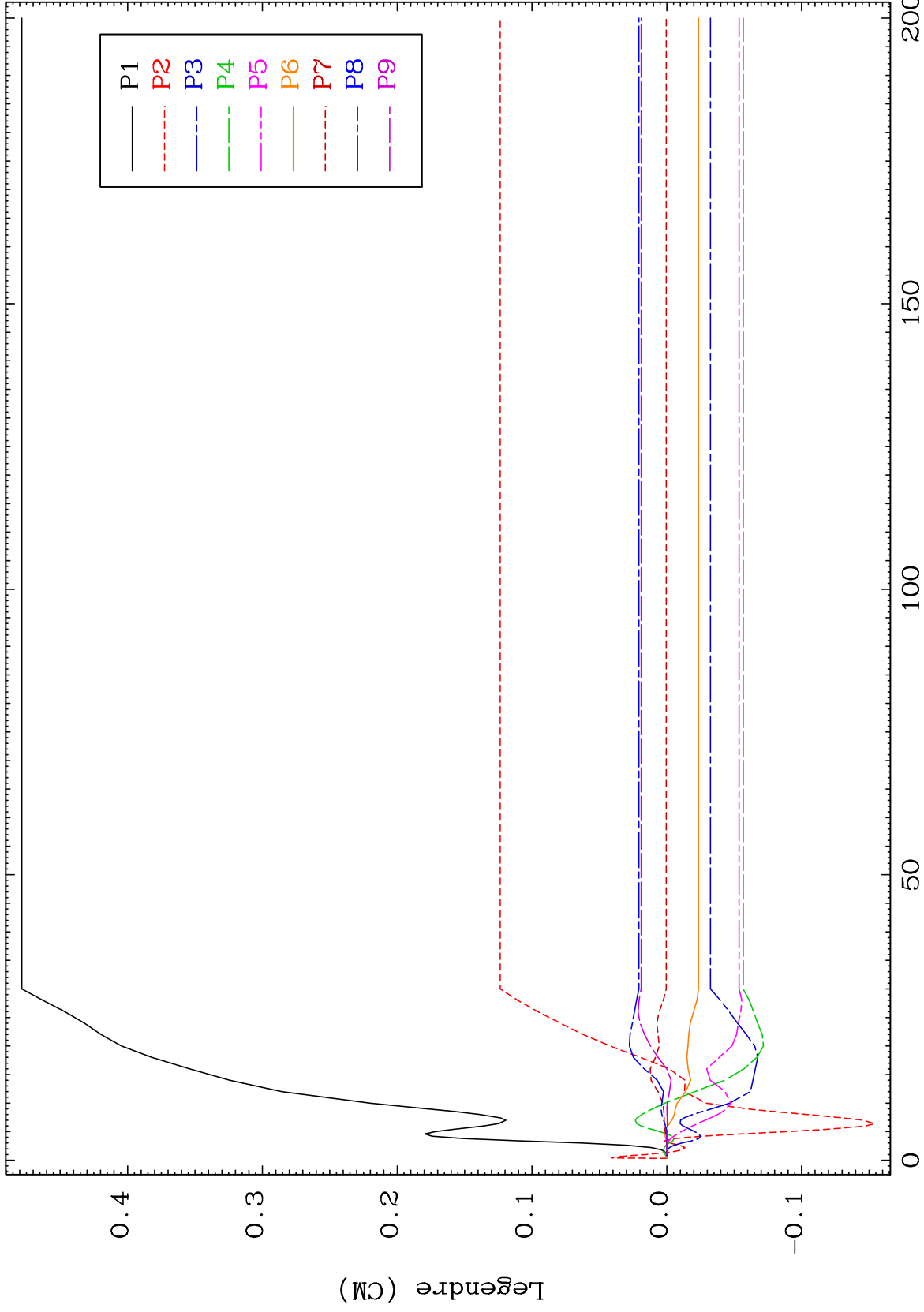
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



83-Bi-196

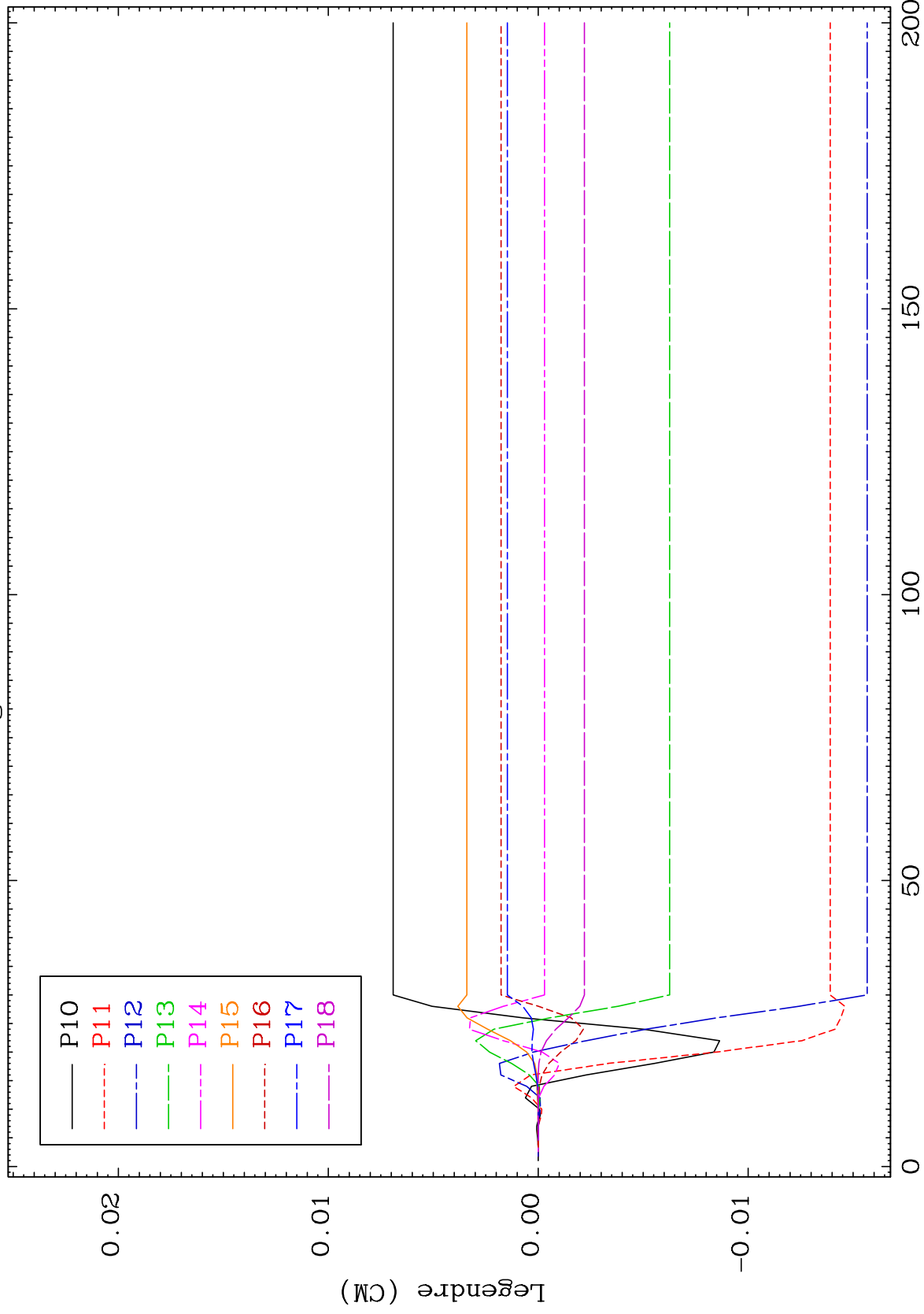
Incident Energy (MeV)

37

MAT 8286

83-Bi-196

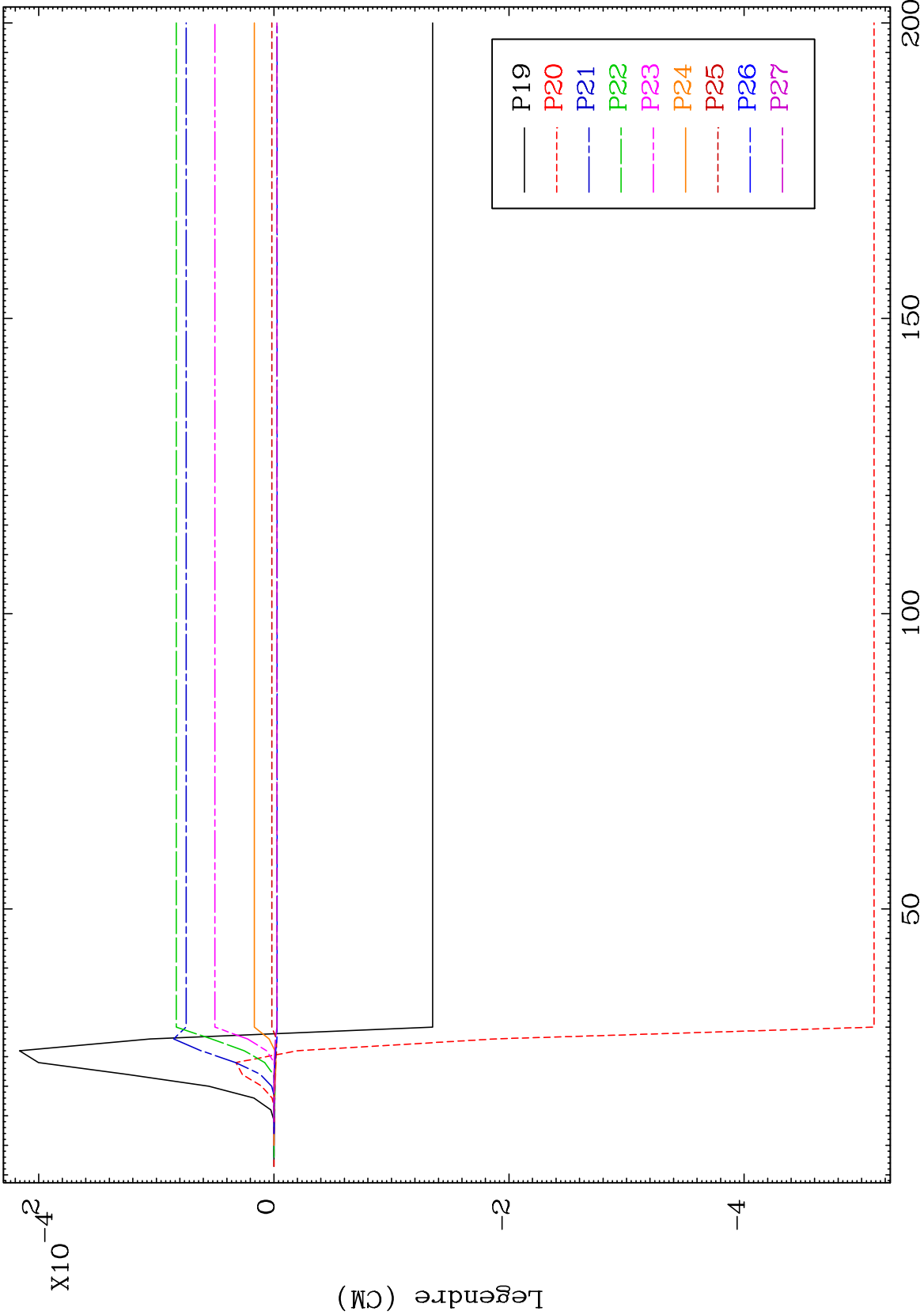
MT= 56 (n,n') Level
Legendre Coefficients



38

Incident Energy (MeV)

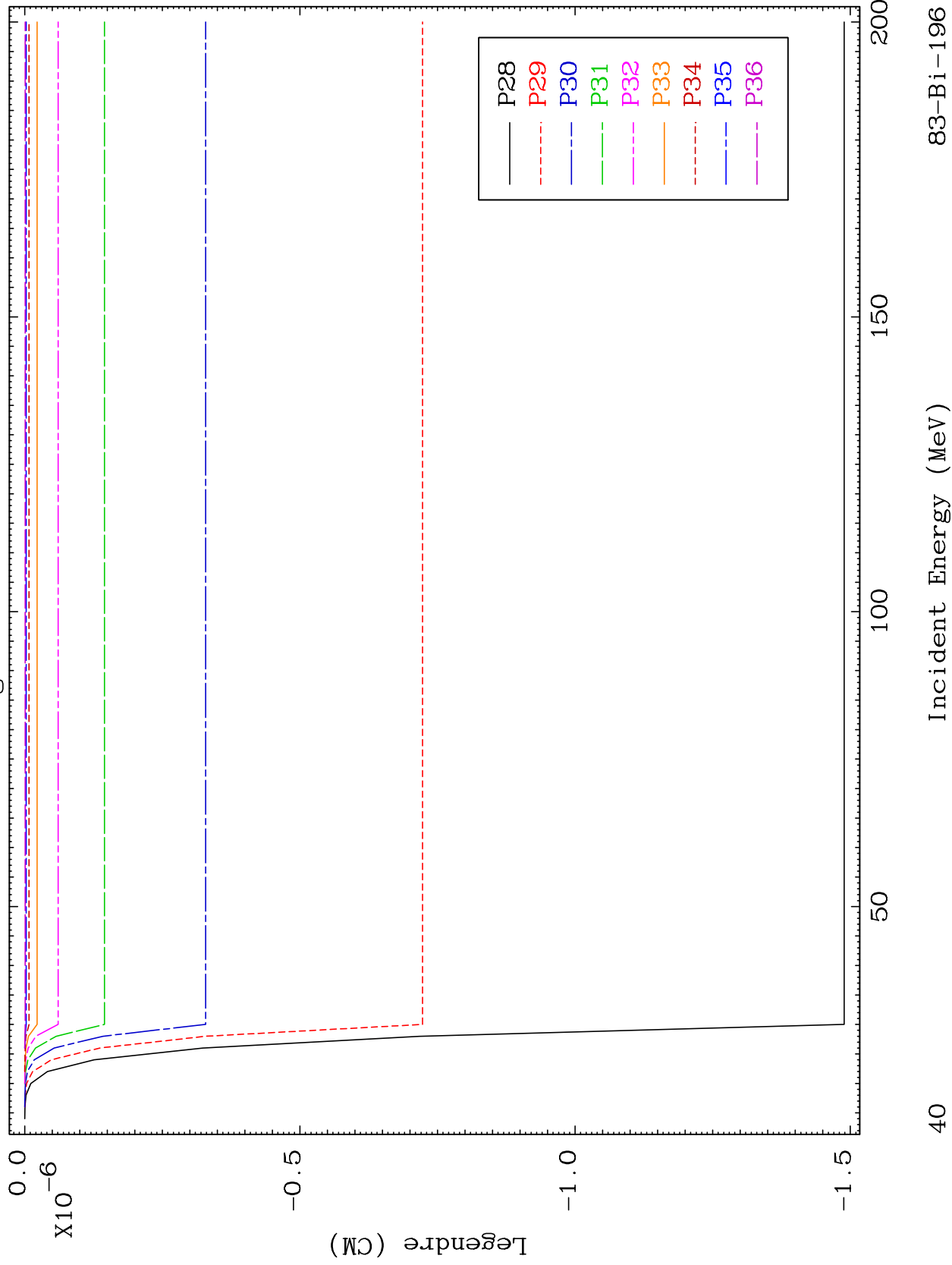
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MAT 8286

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

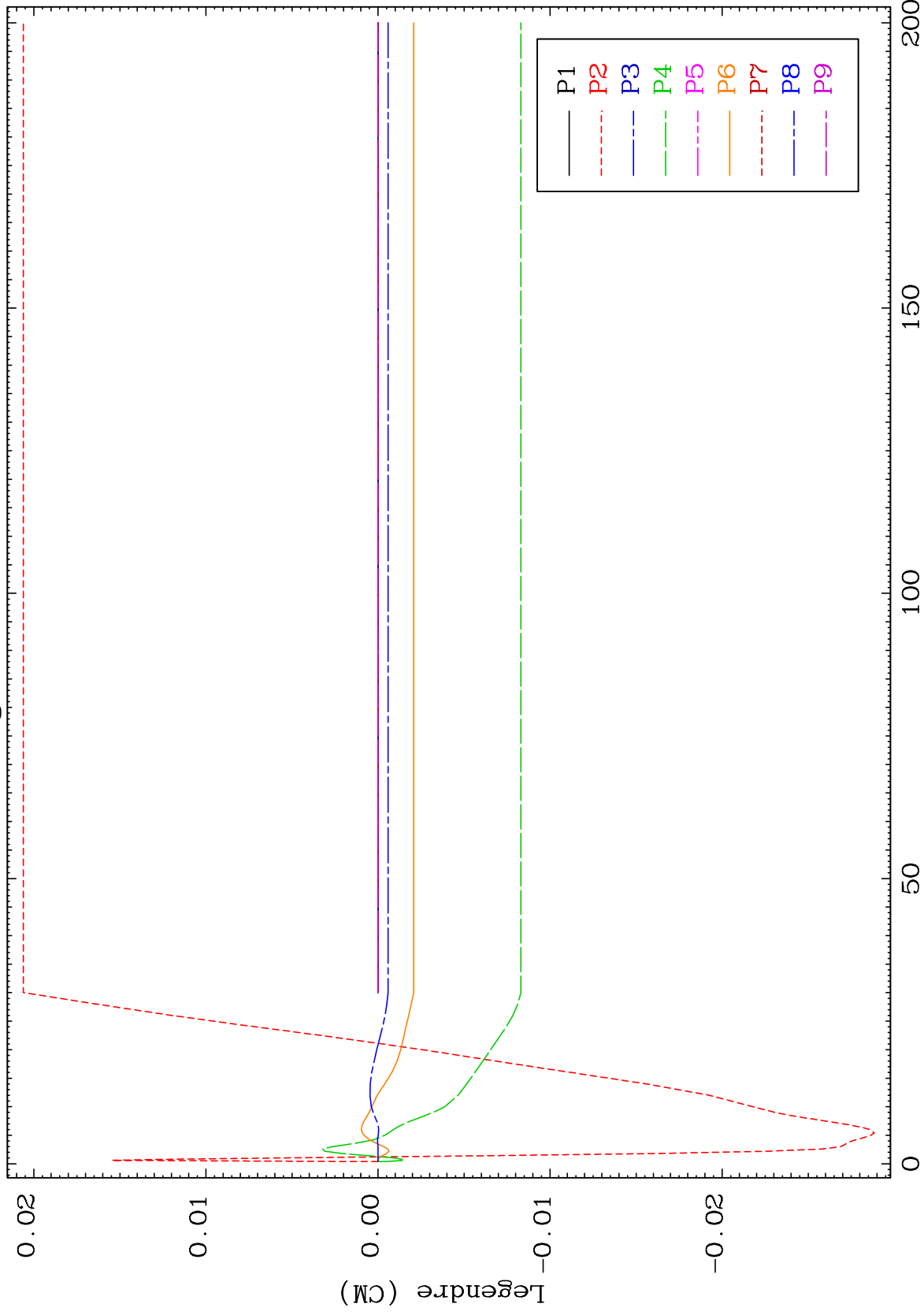
83-Bi-196



MAT 8286

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

83-Bi-196



41

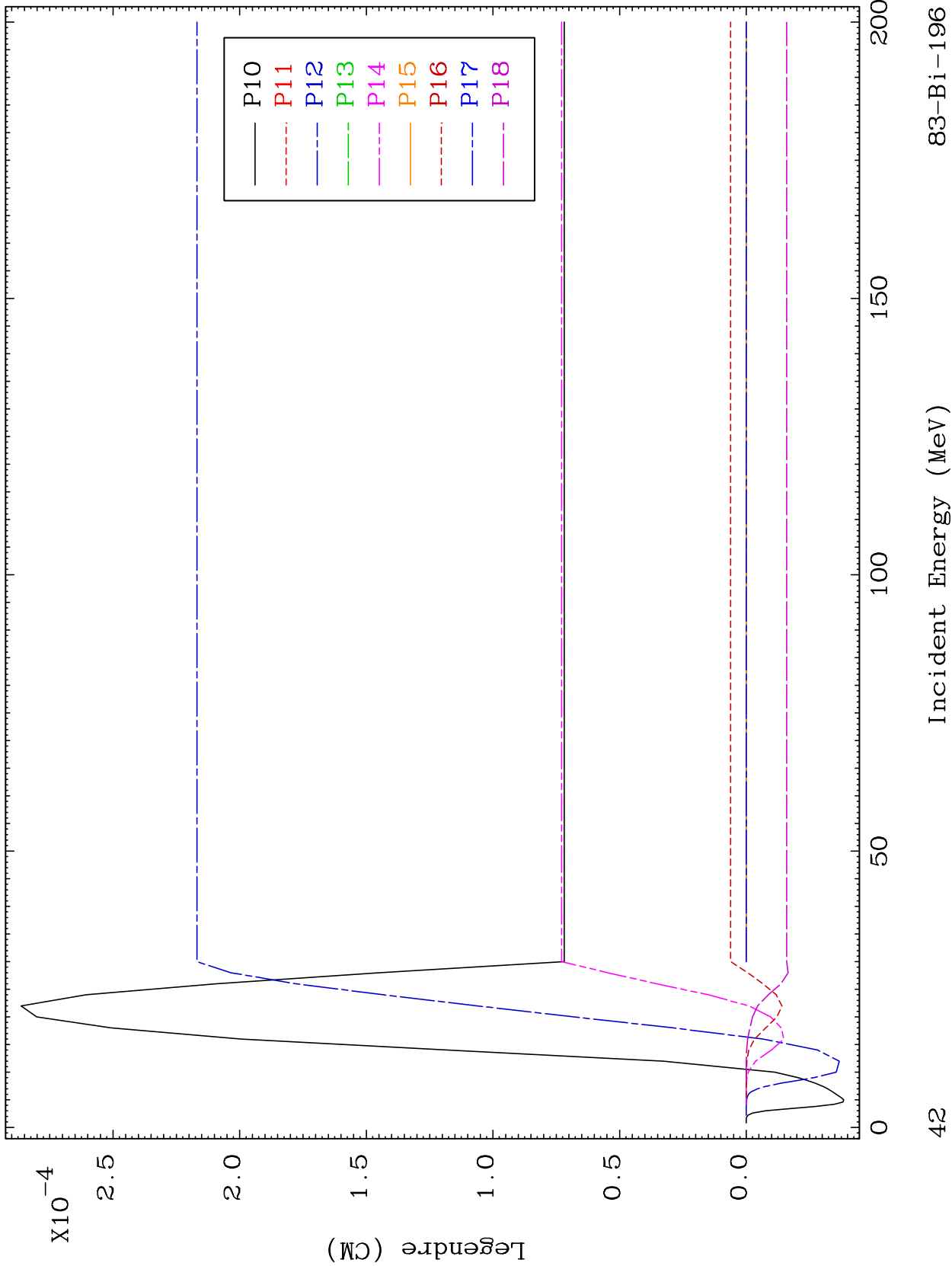
Incident Energy (MeV)

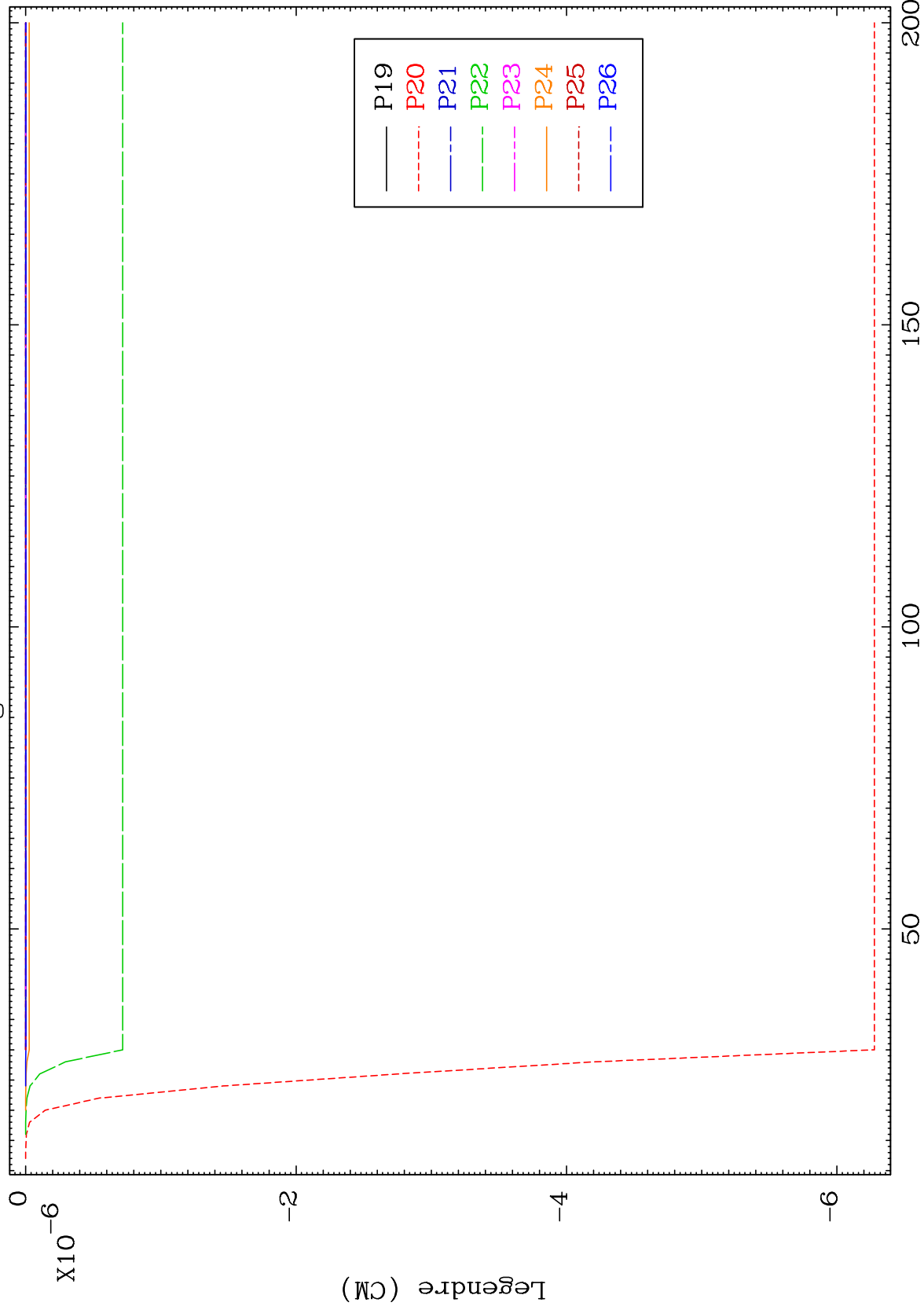
83-Bi-196

MAT 8286

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

83-Bi-196

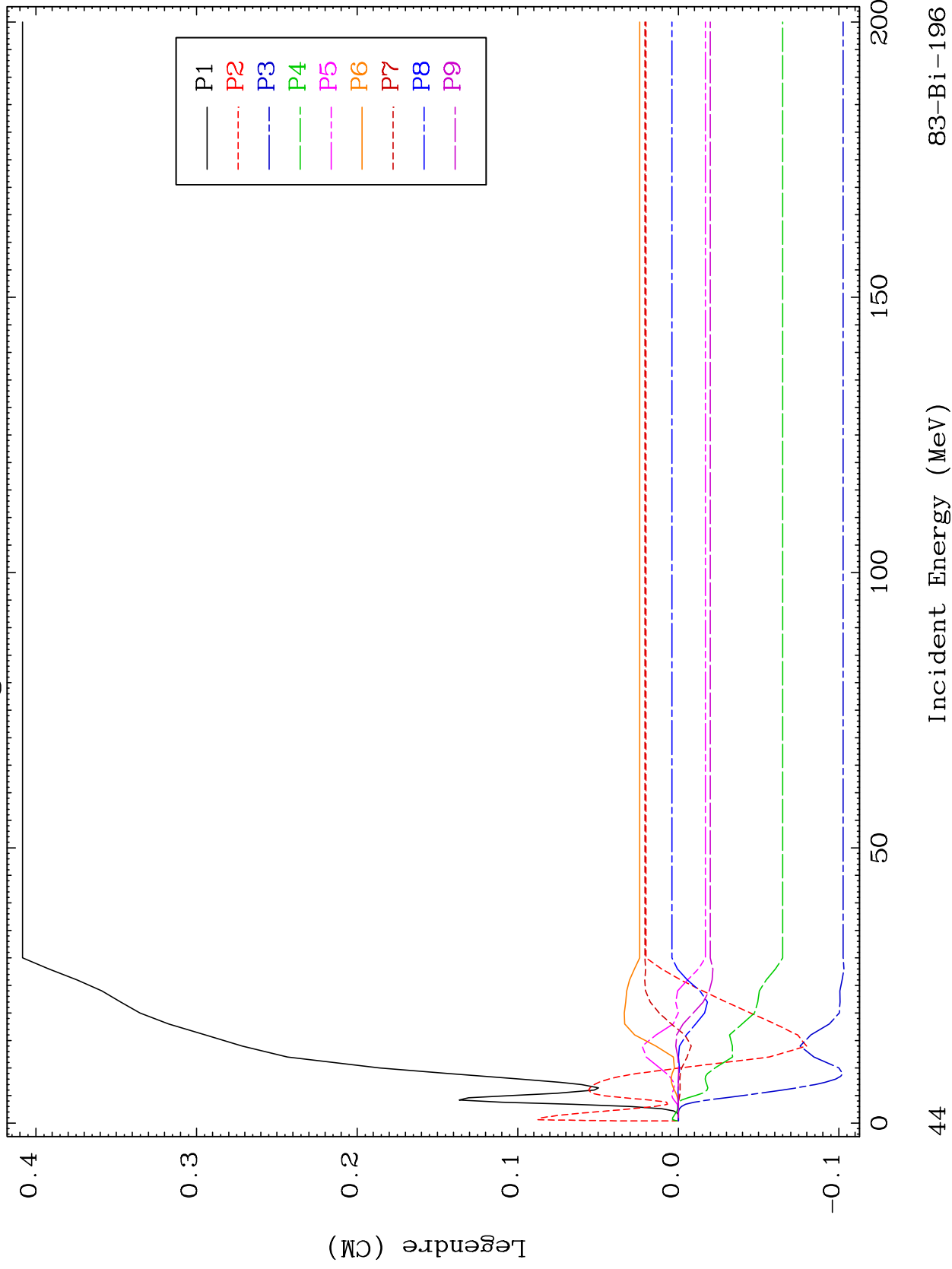




MAT 8286

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

83-Bi-196



83-Bi-196

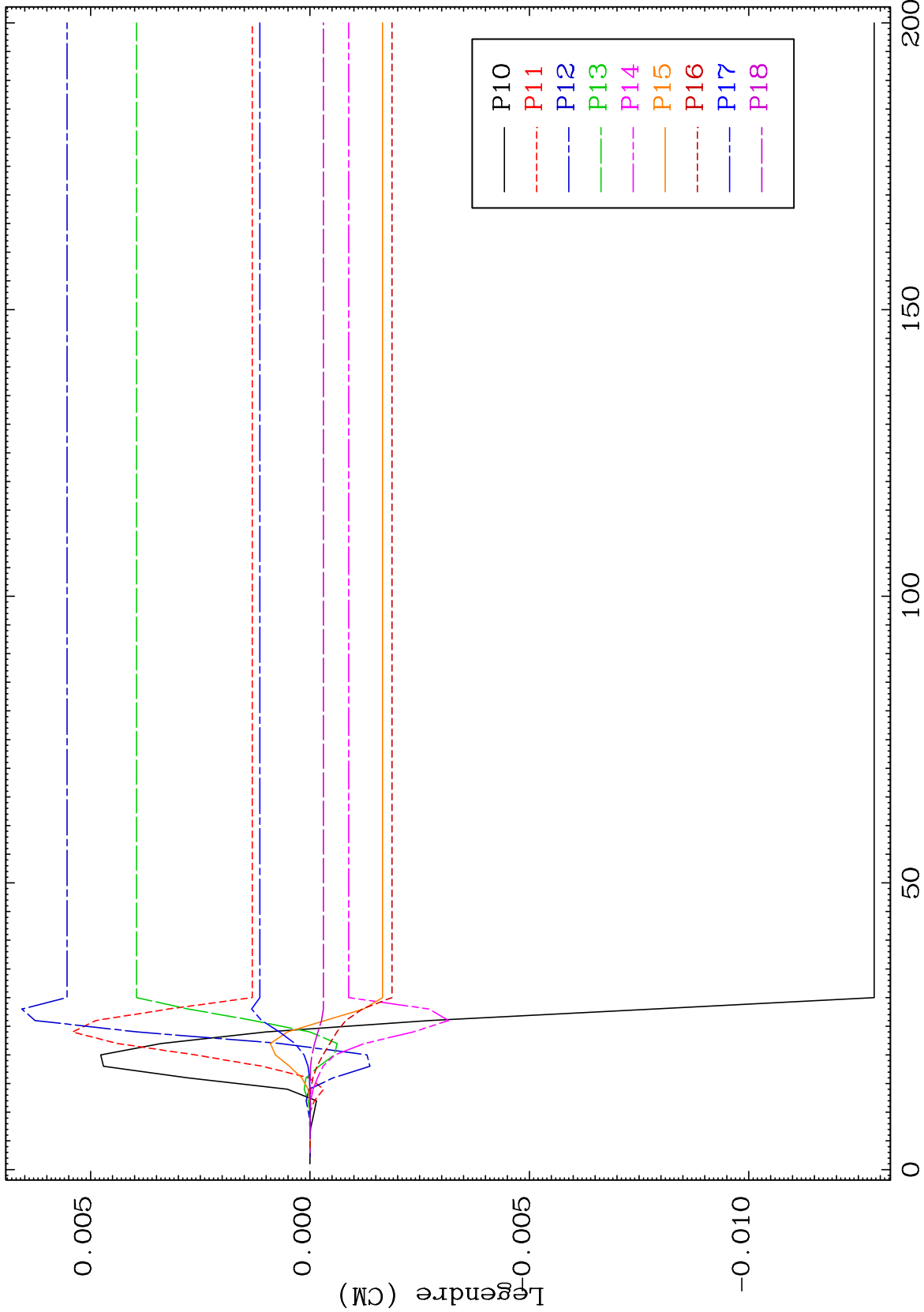
Incident Energy (MeV)

44

MAT 8286

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

83-Bi-196



45

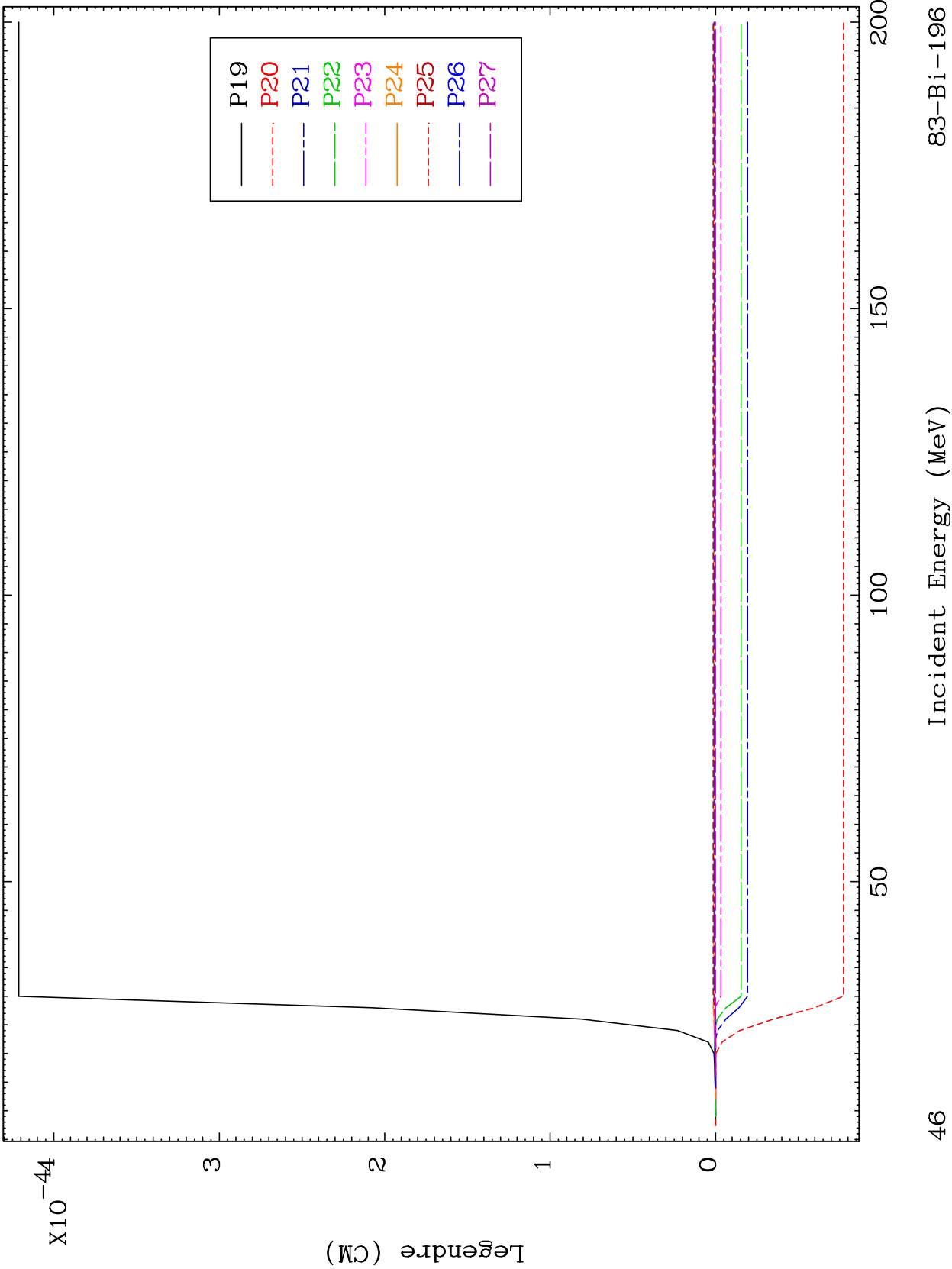
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

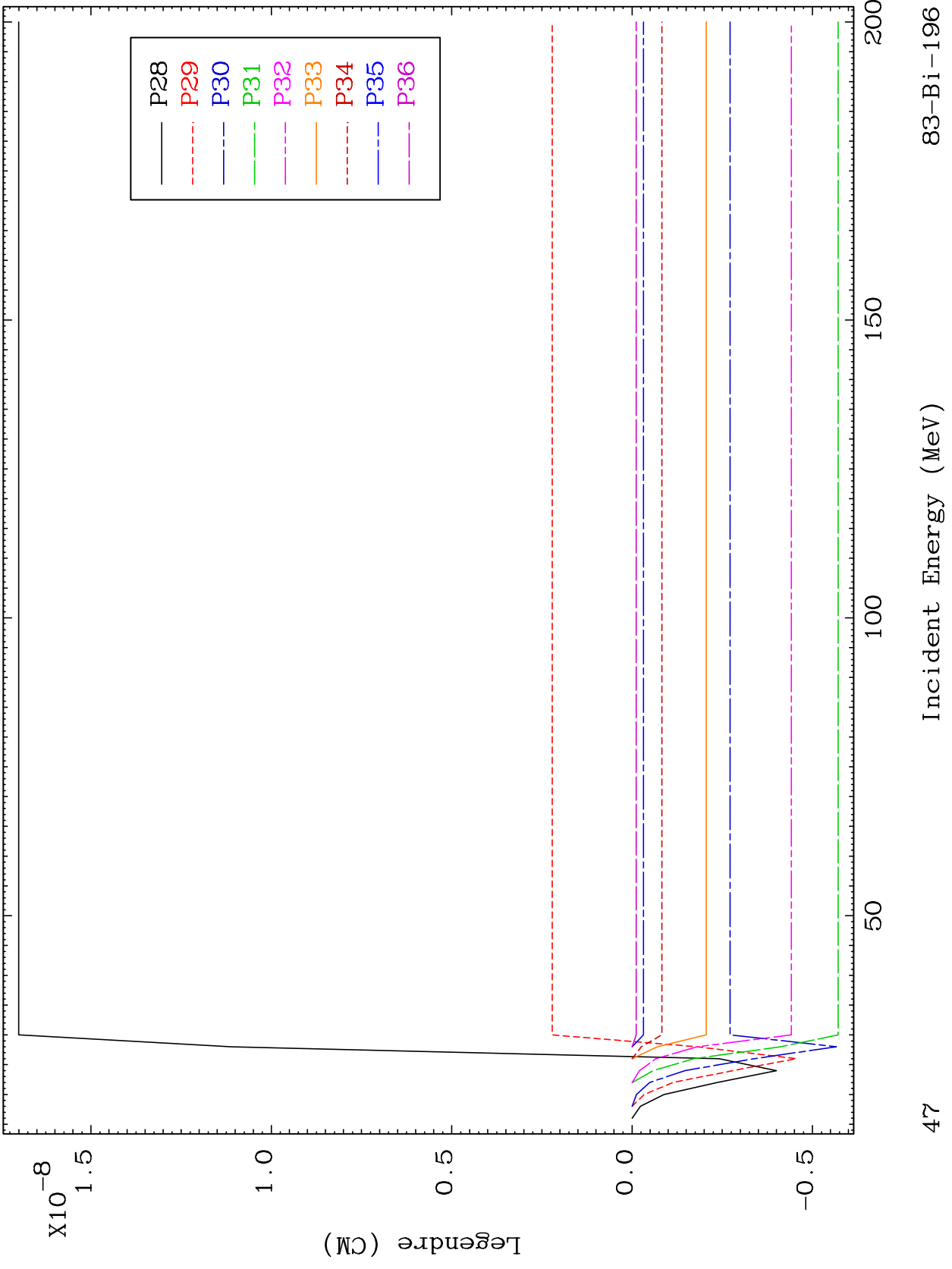
83-Bi-196



MAT 8286

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

83-Bi-196



47

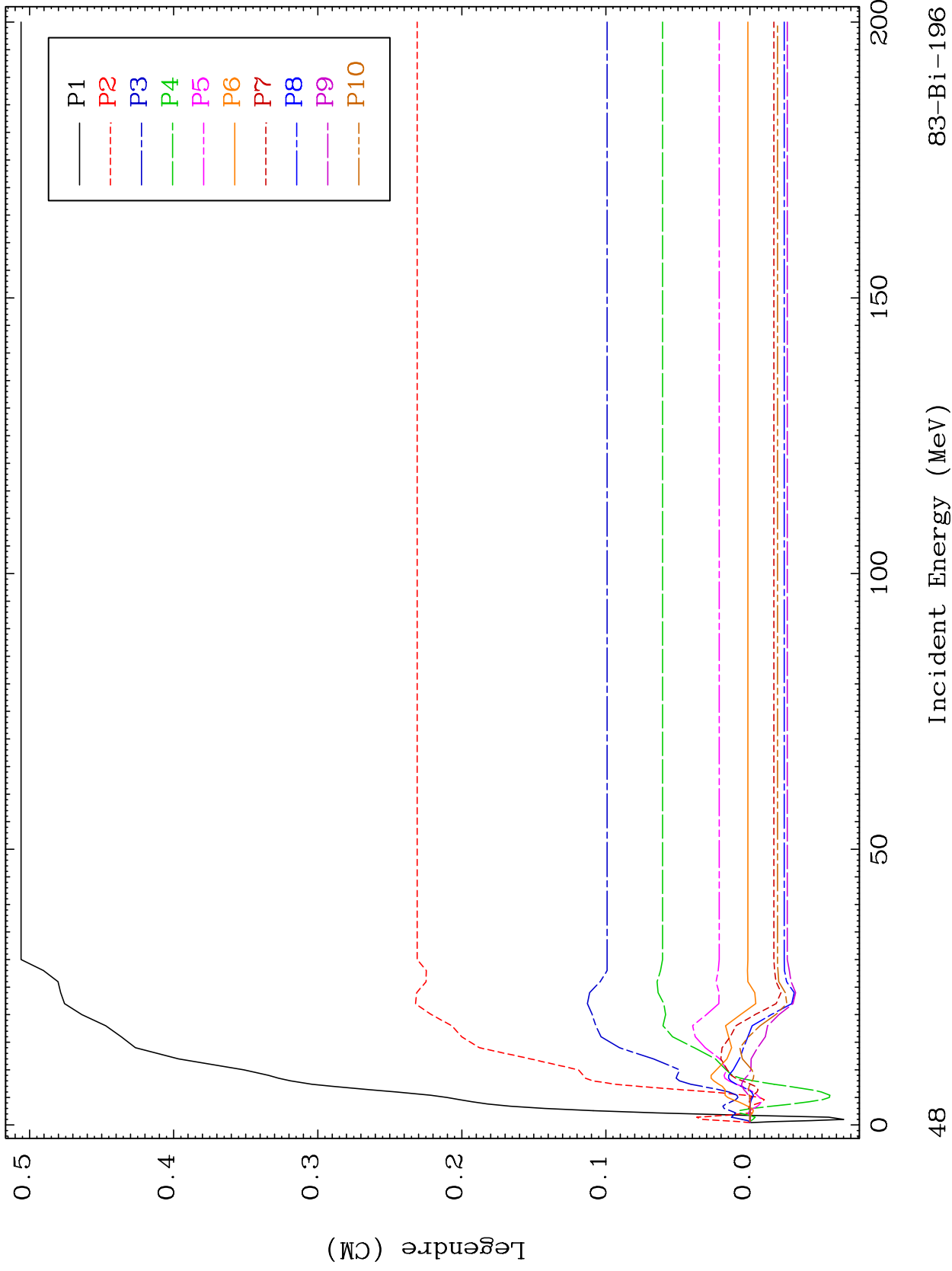
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



83-Bi-196

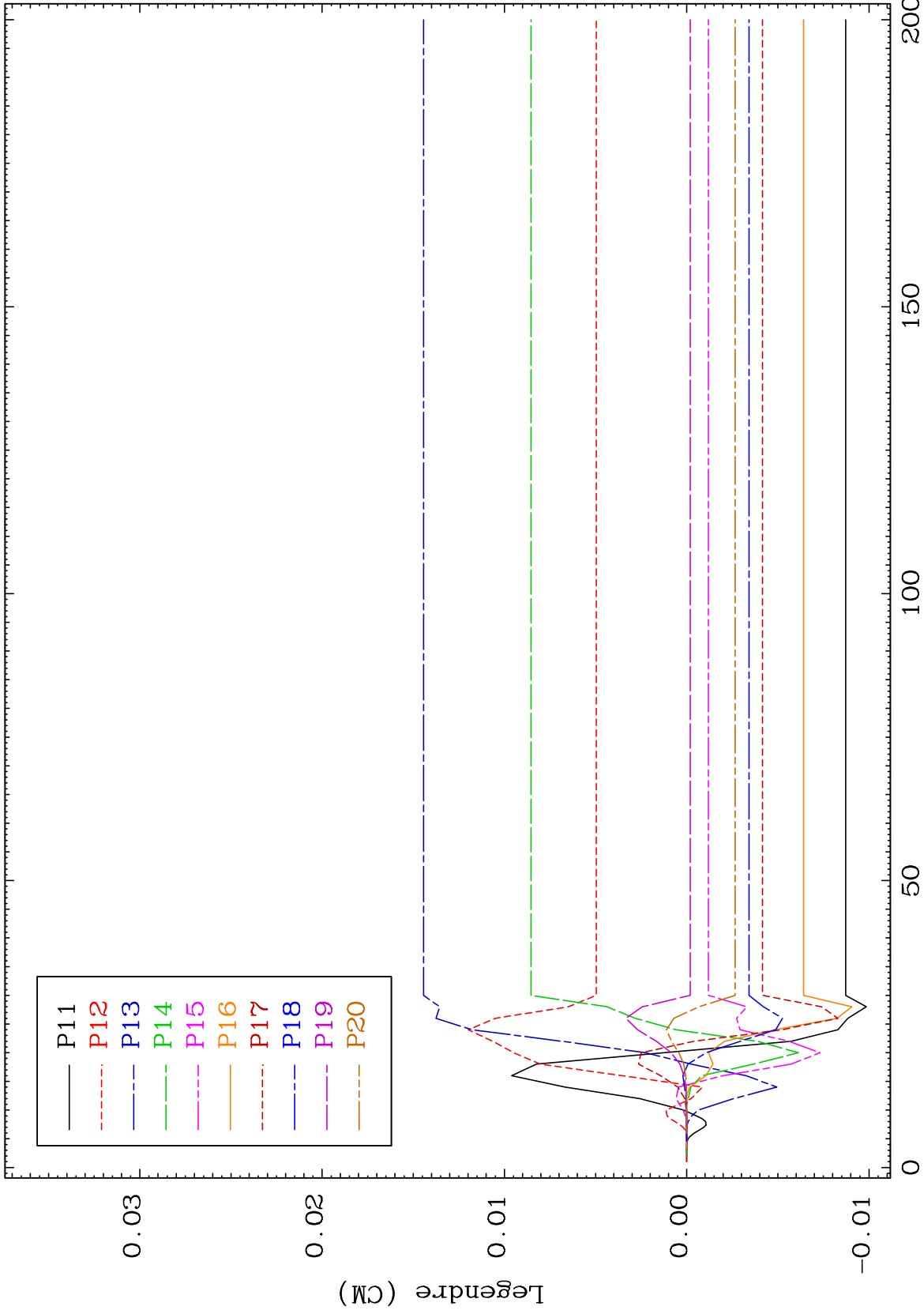
Incident Energy (MeV)

48

MAT 8286

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

83-Bi-196



49

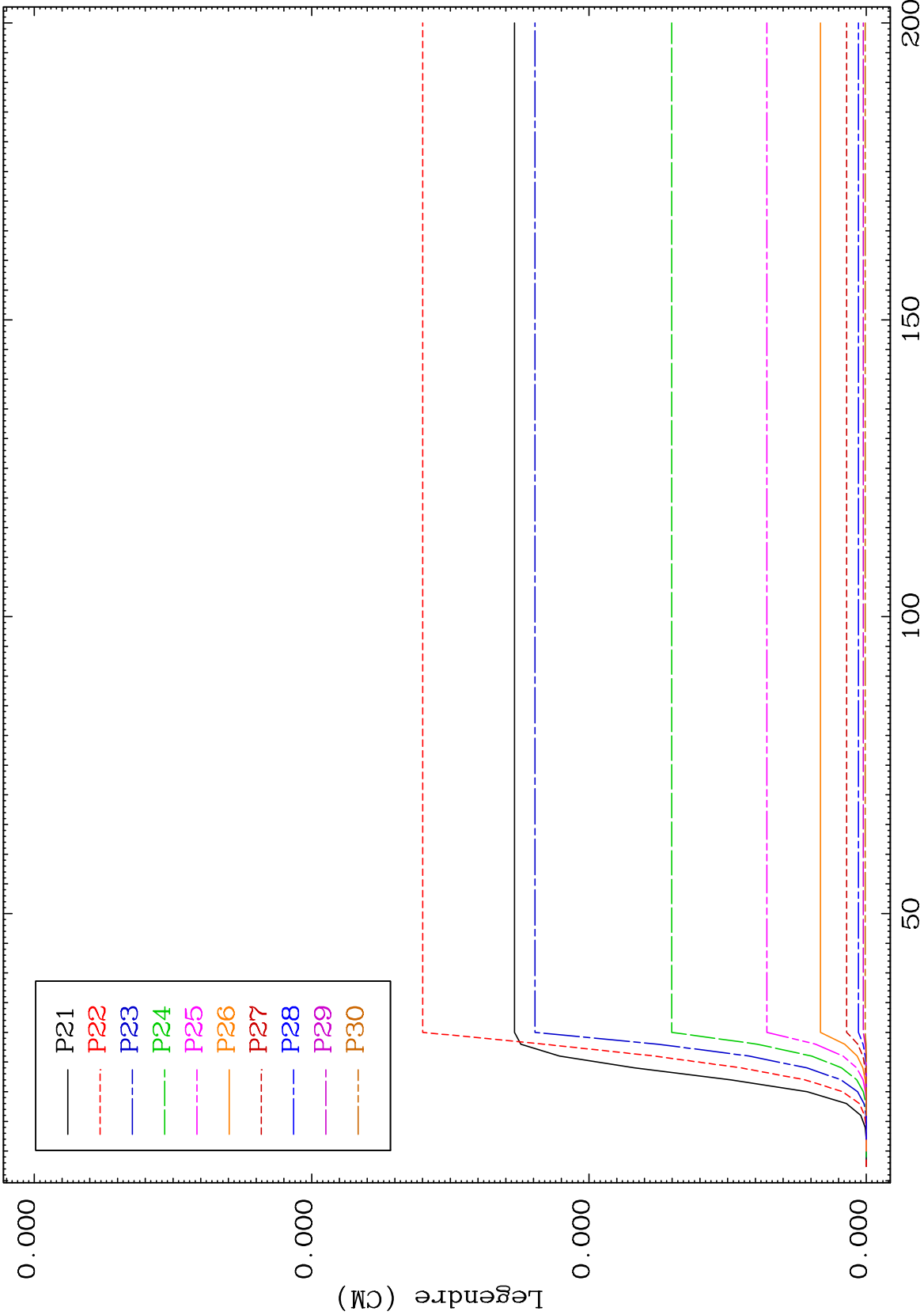
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



50

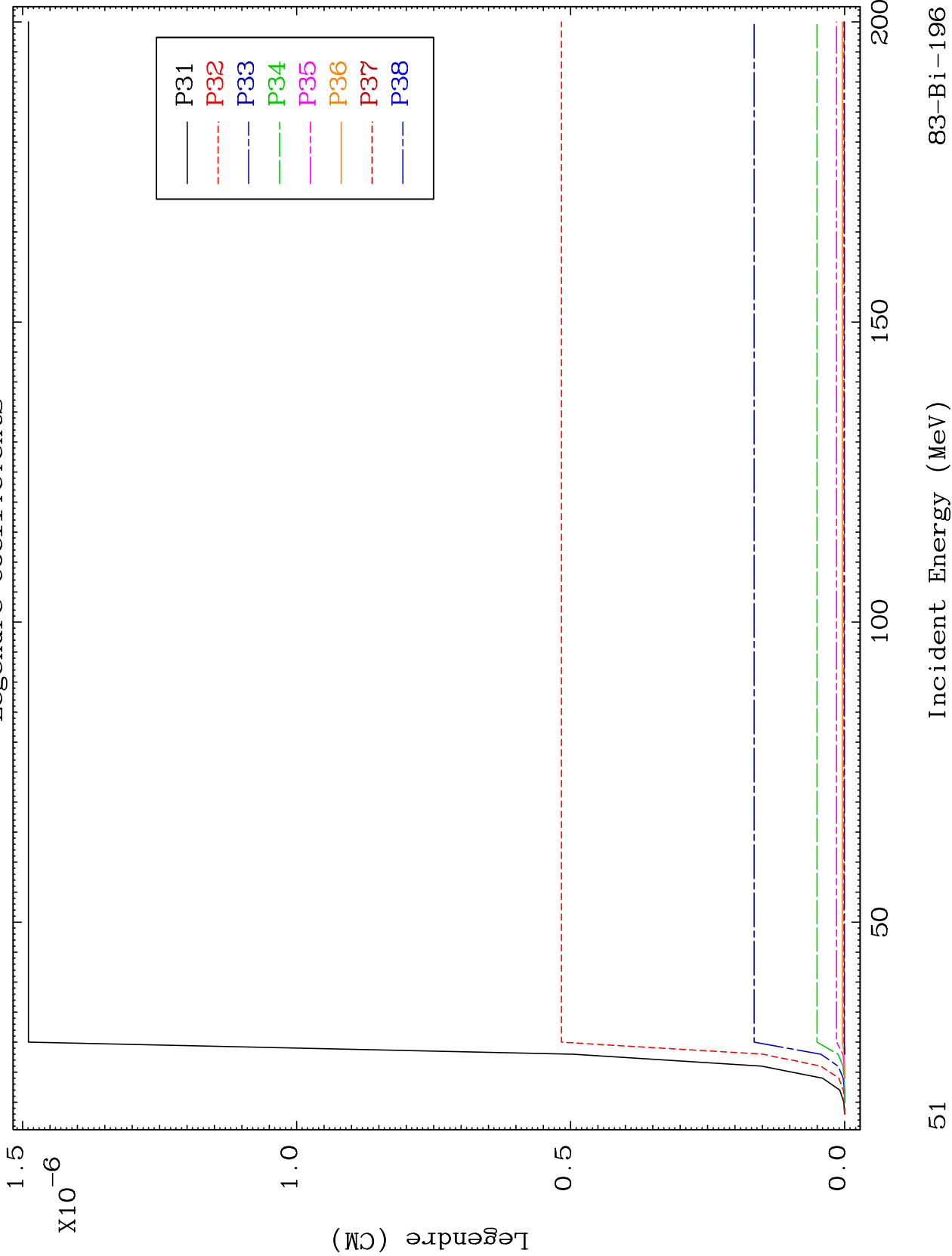
50

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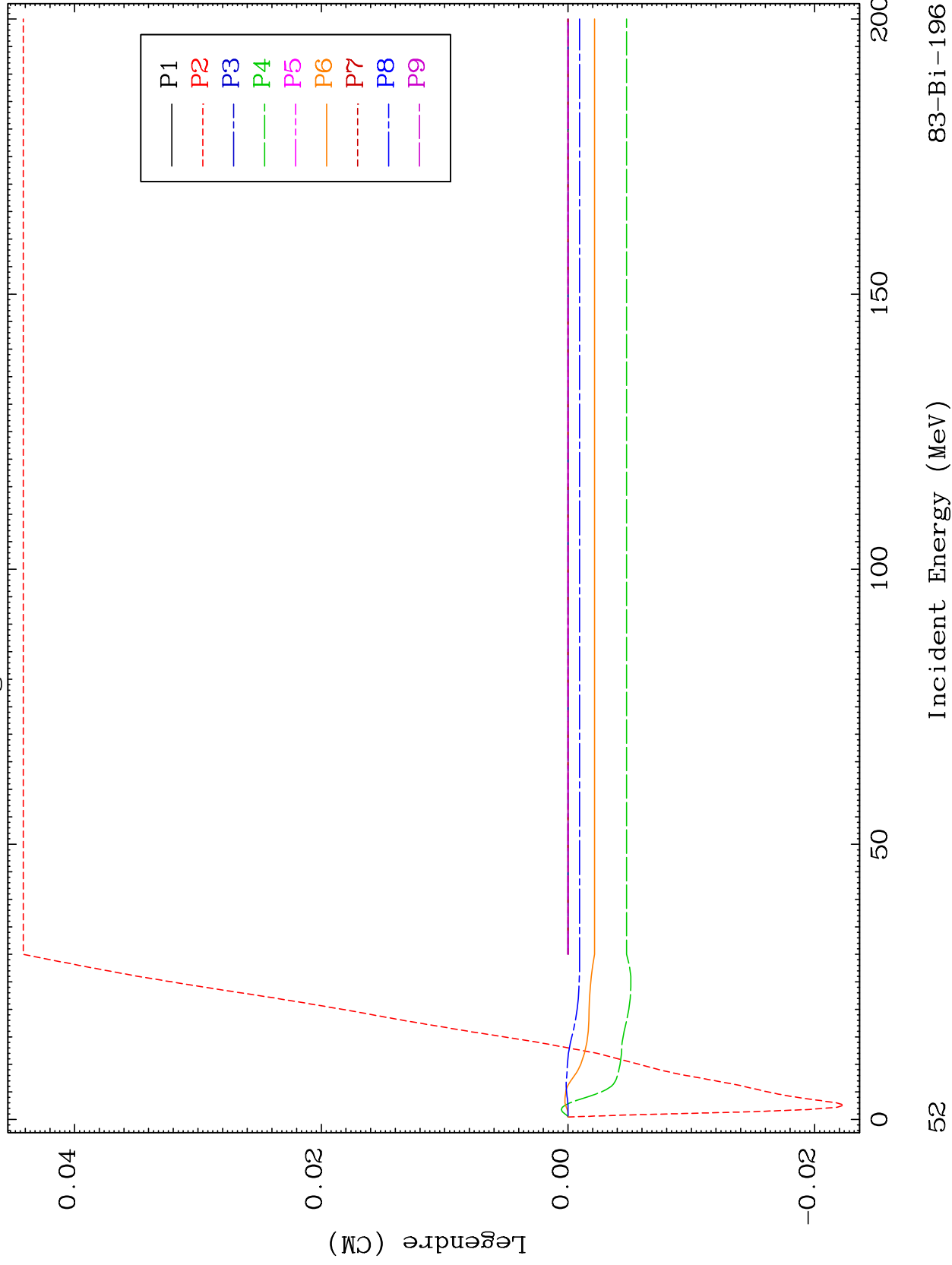
83-Bi-196



MAT 8286

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

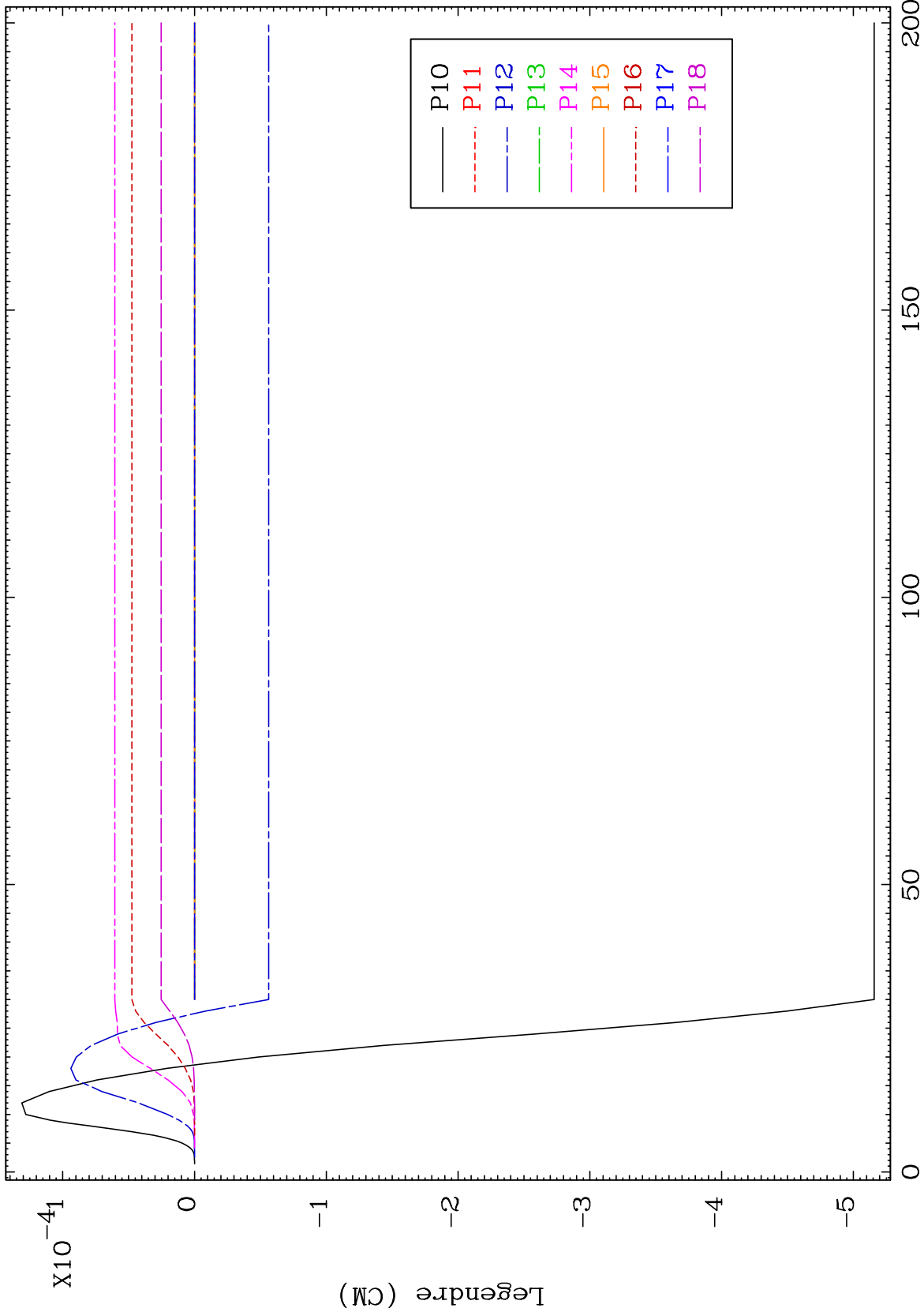
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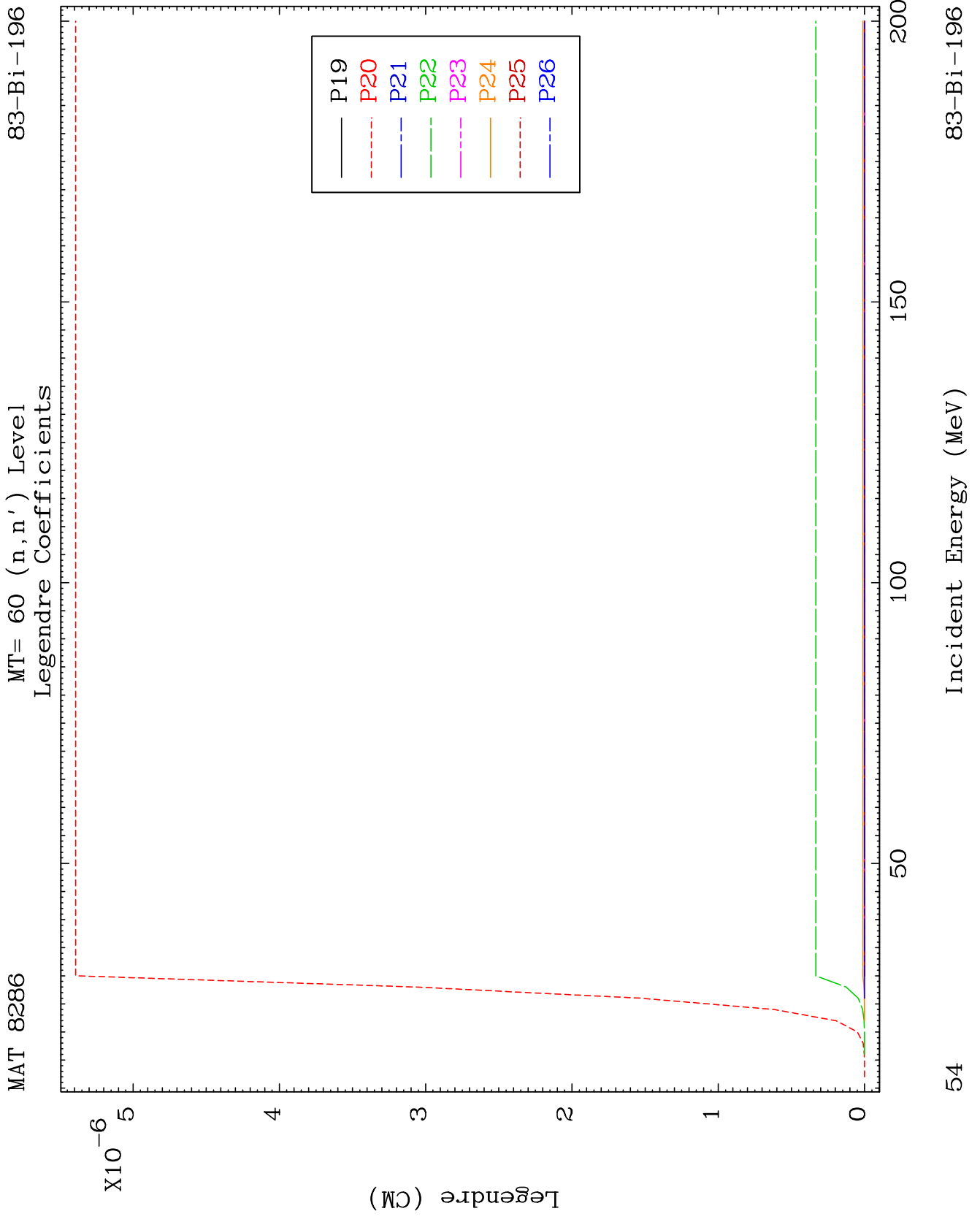


83-Bi-196

Incident Energy (MeV)

52





83-Bi-196

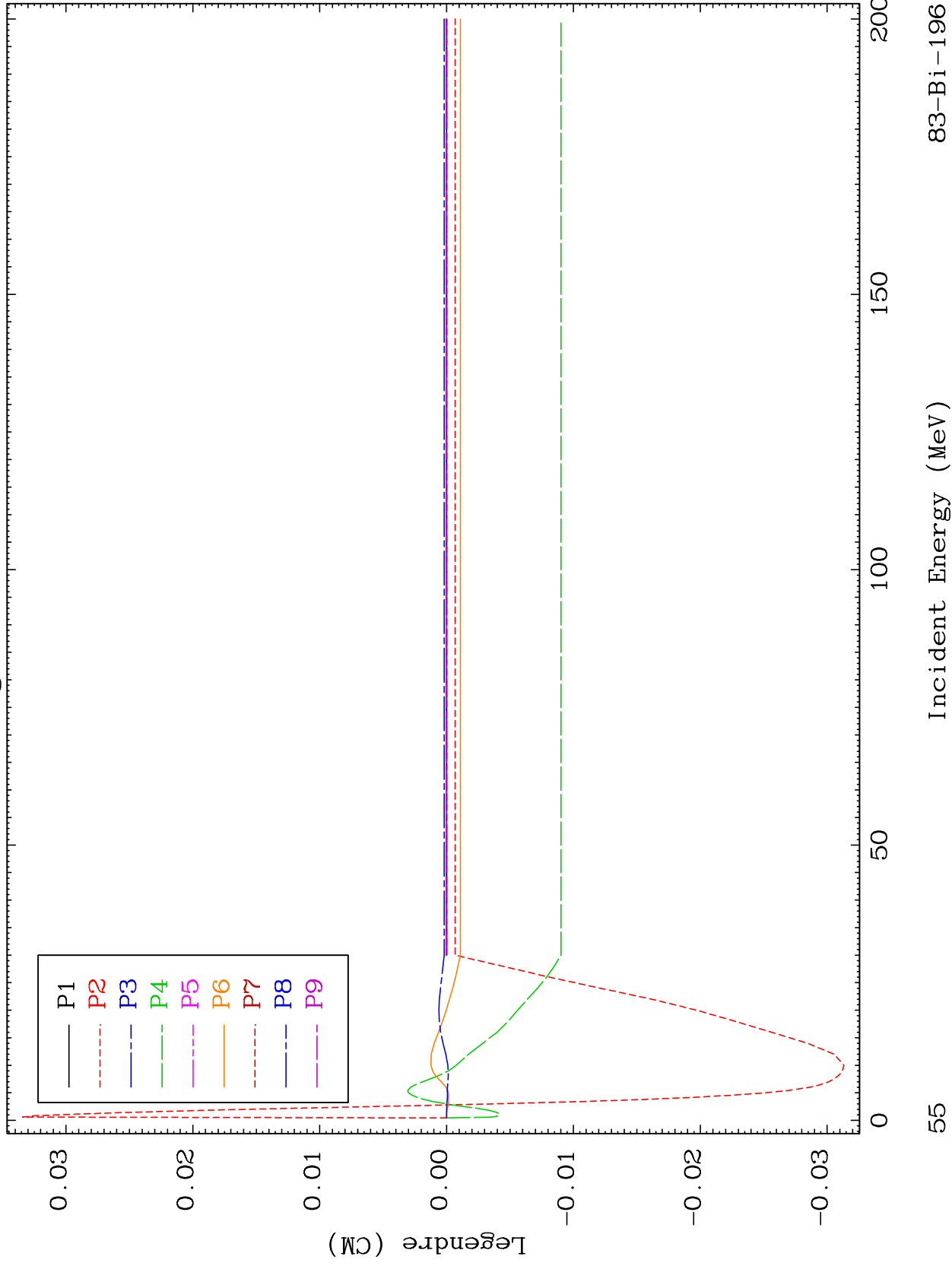
Incident Energy (MeV)

54

MAT 8286

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

83-Bi-196



83-Bi-196

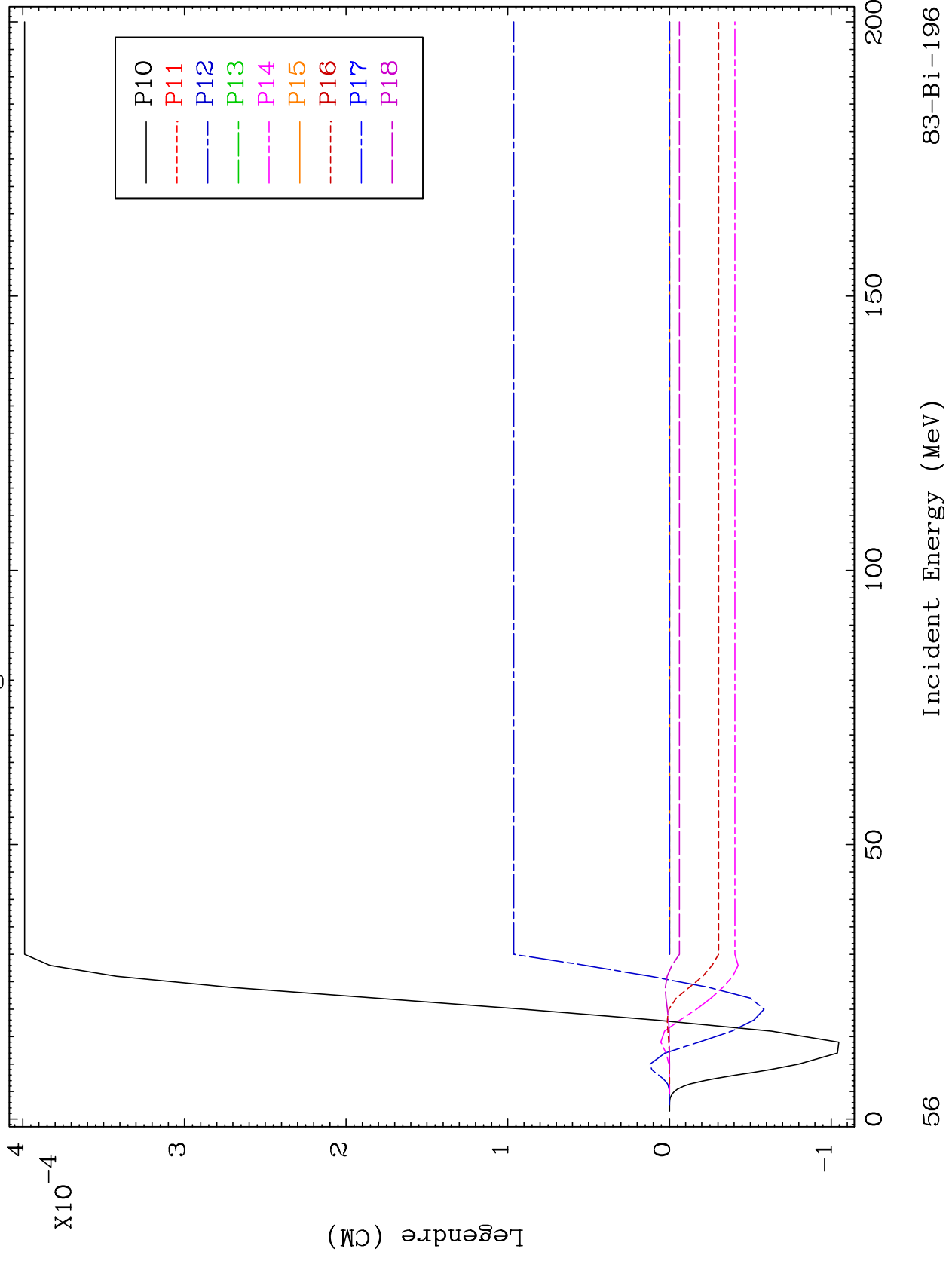
Incident Energy (MeV)

55

MAT 8286

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

83-Bi-196

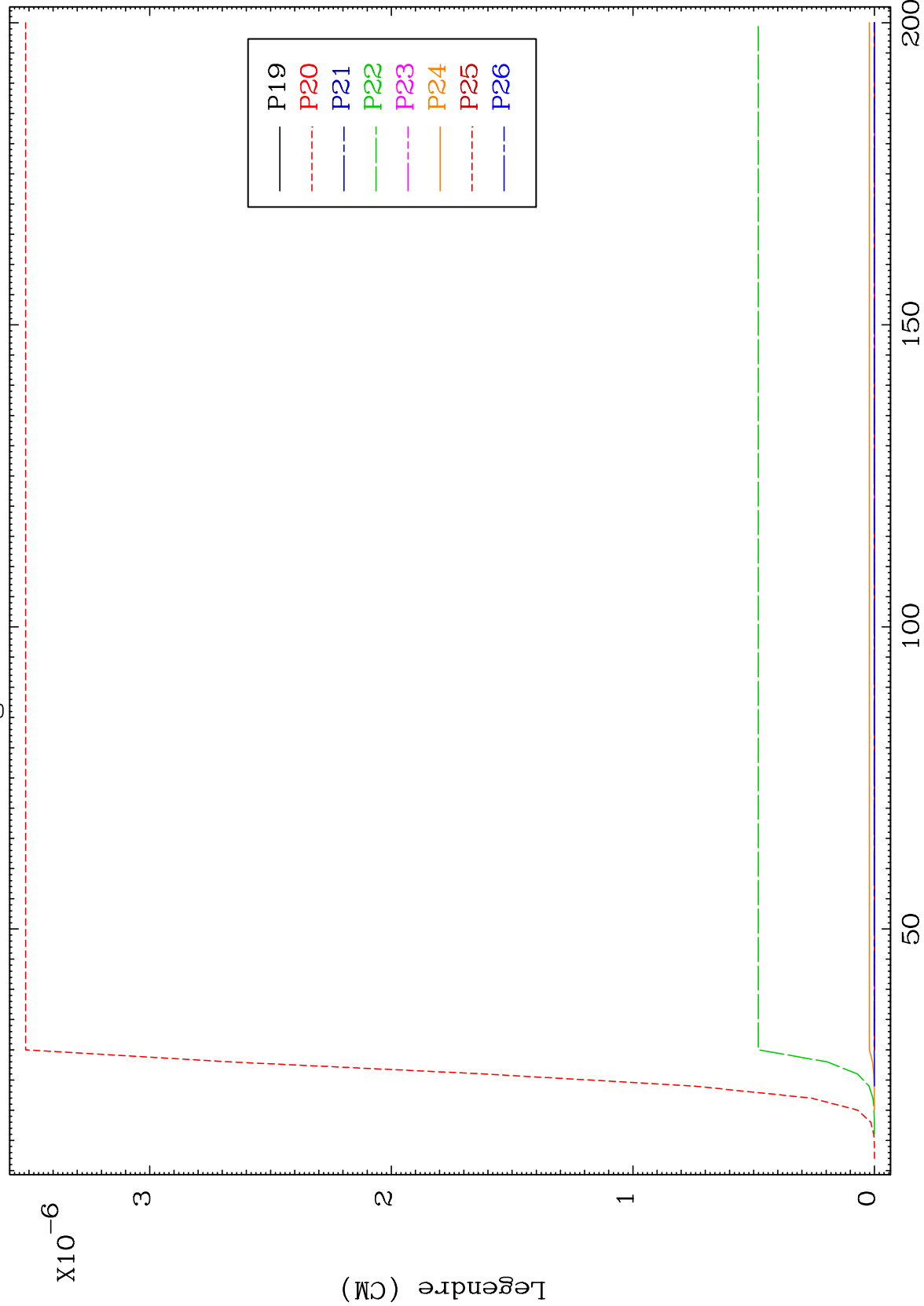


83-Bi-196

MAT 8286

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

83-Bi-196



83-Bi-196

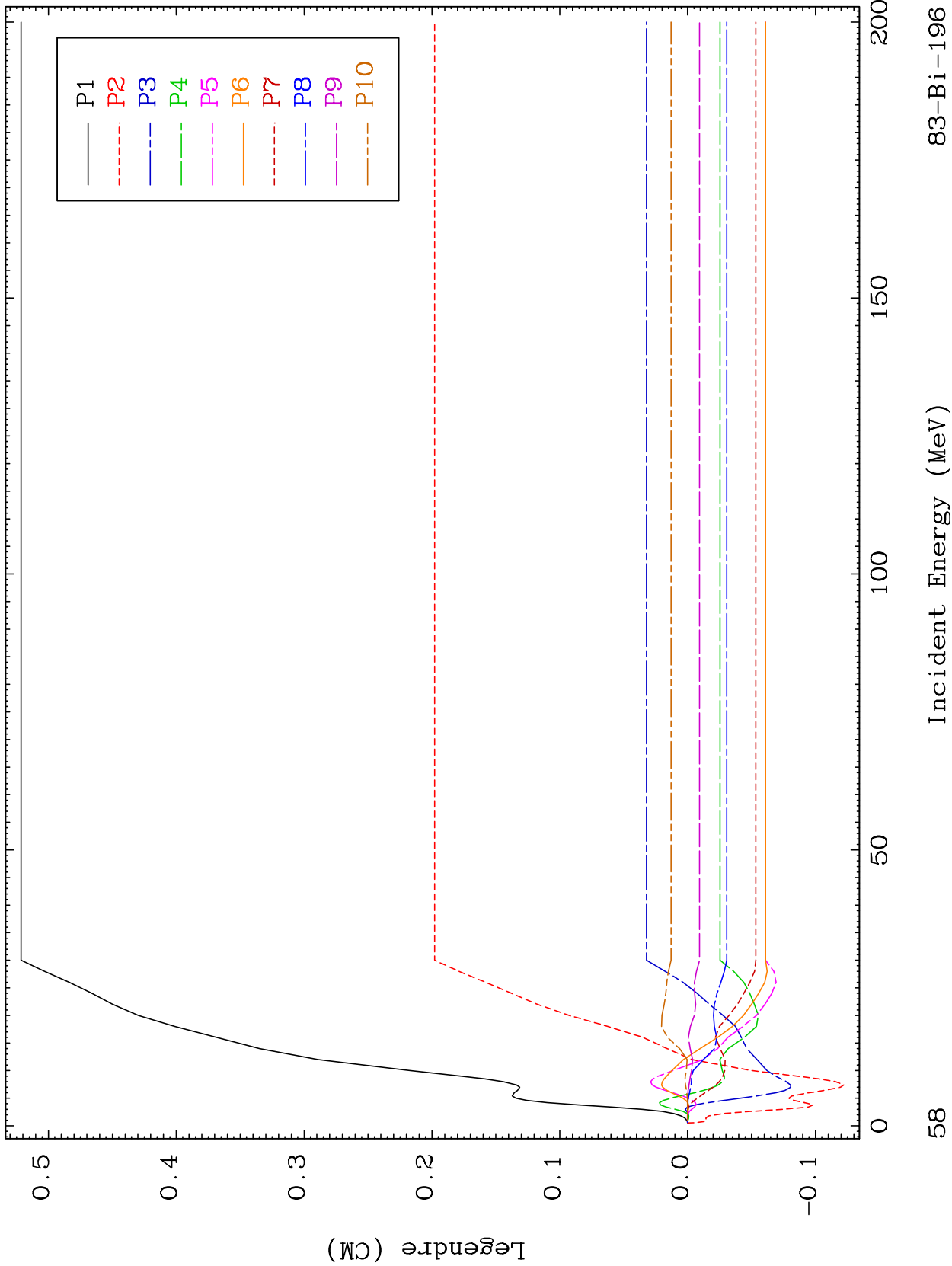
Incident Energy (MeV)

57

MAT 8286

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

83-Bi-196



83-Bi-196

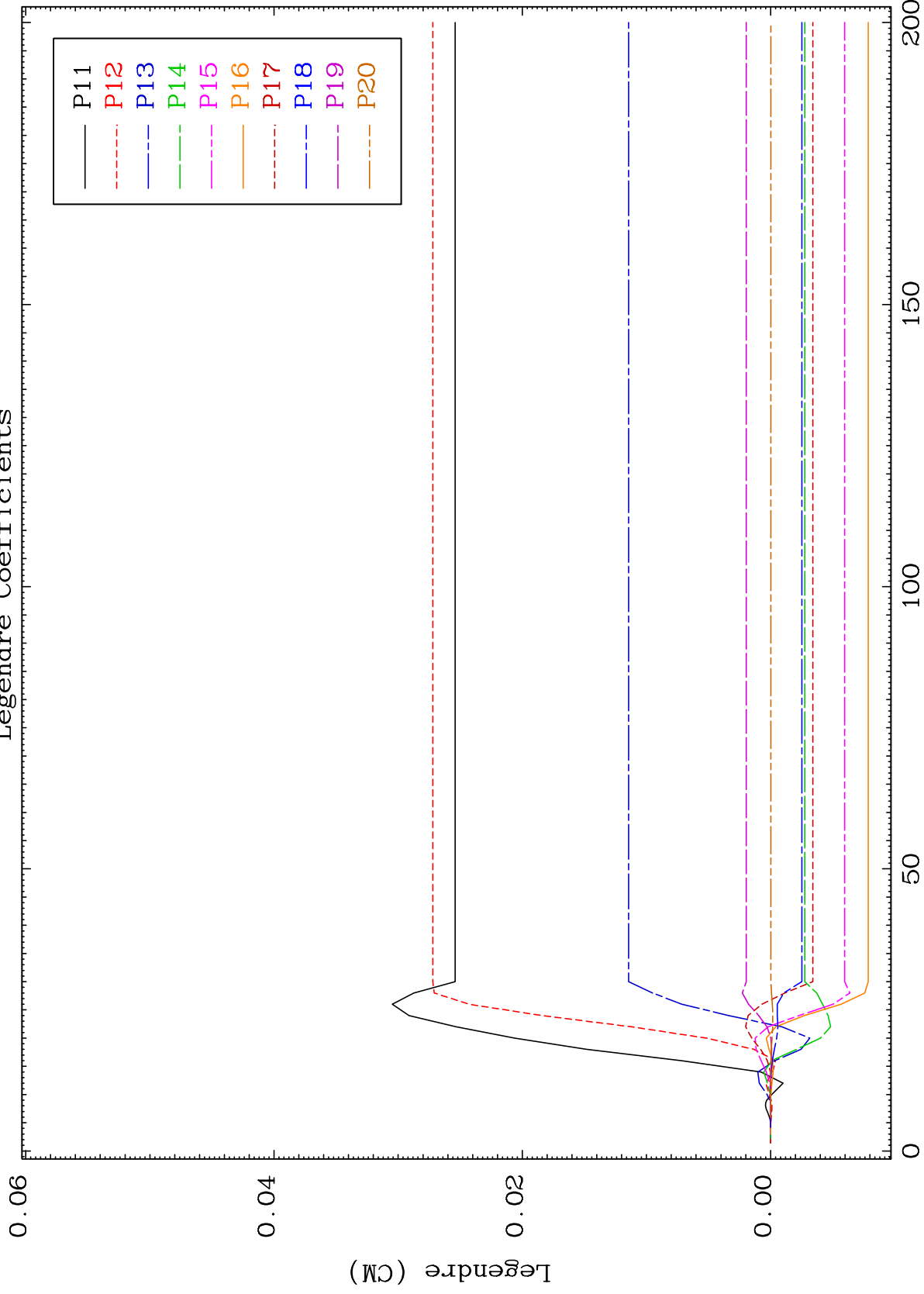
Incident Energy (MeV)

58

MAT 8286

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

83-Bi-196



59

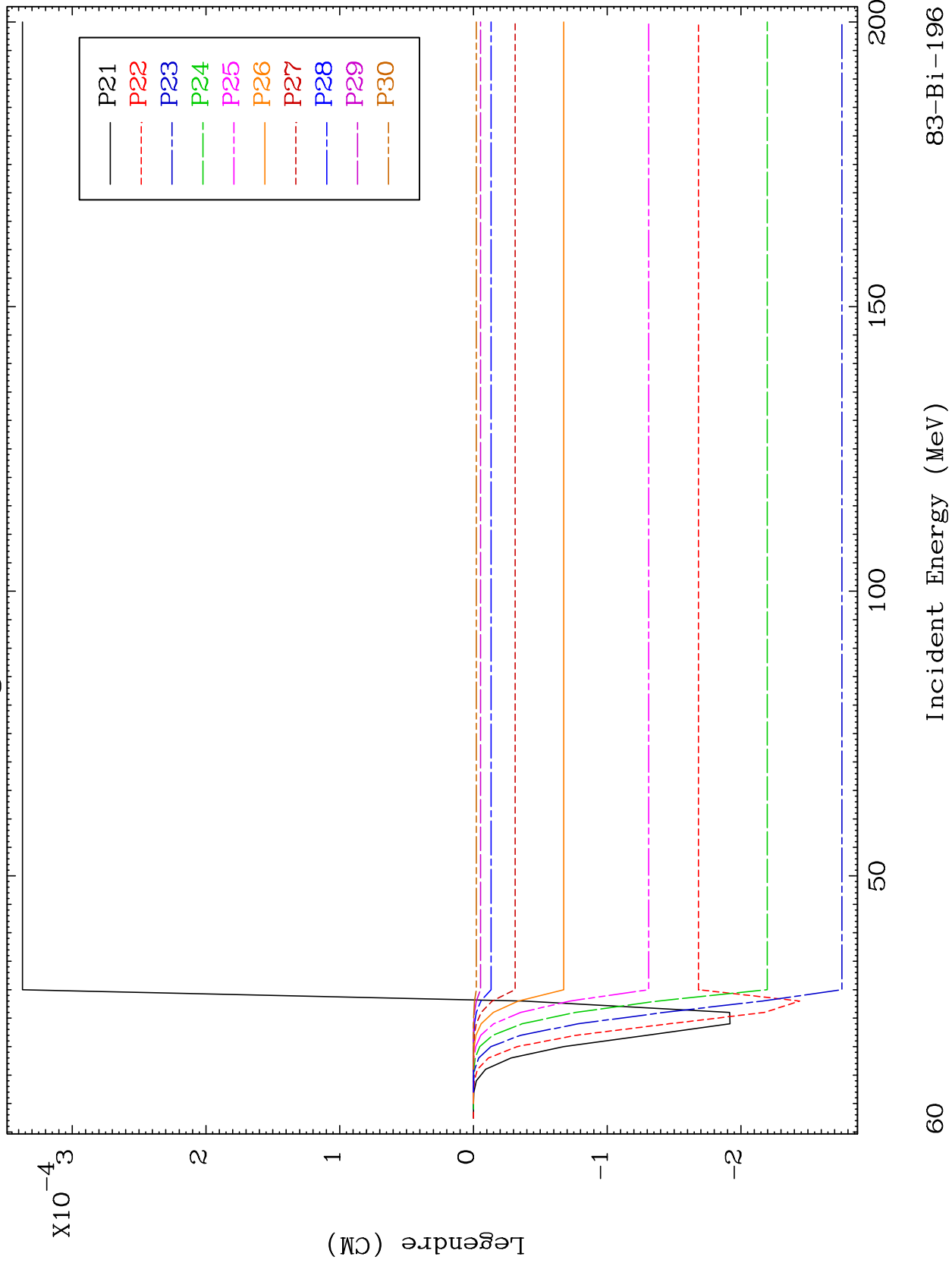
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



60

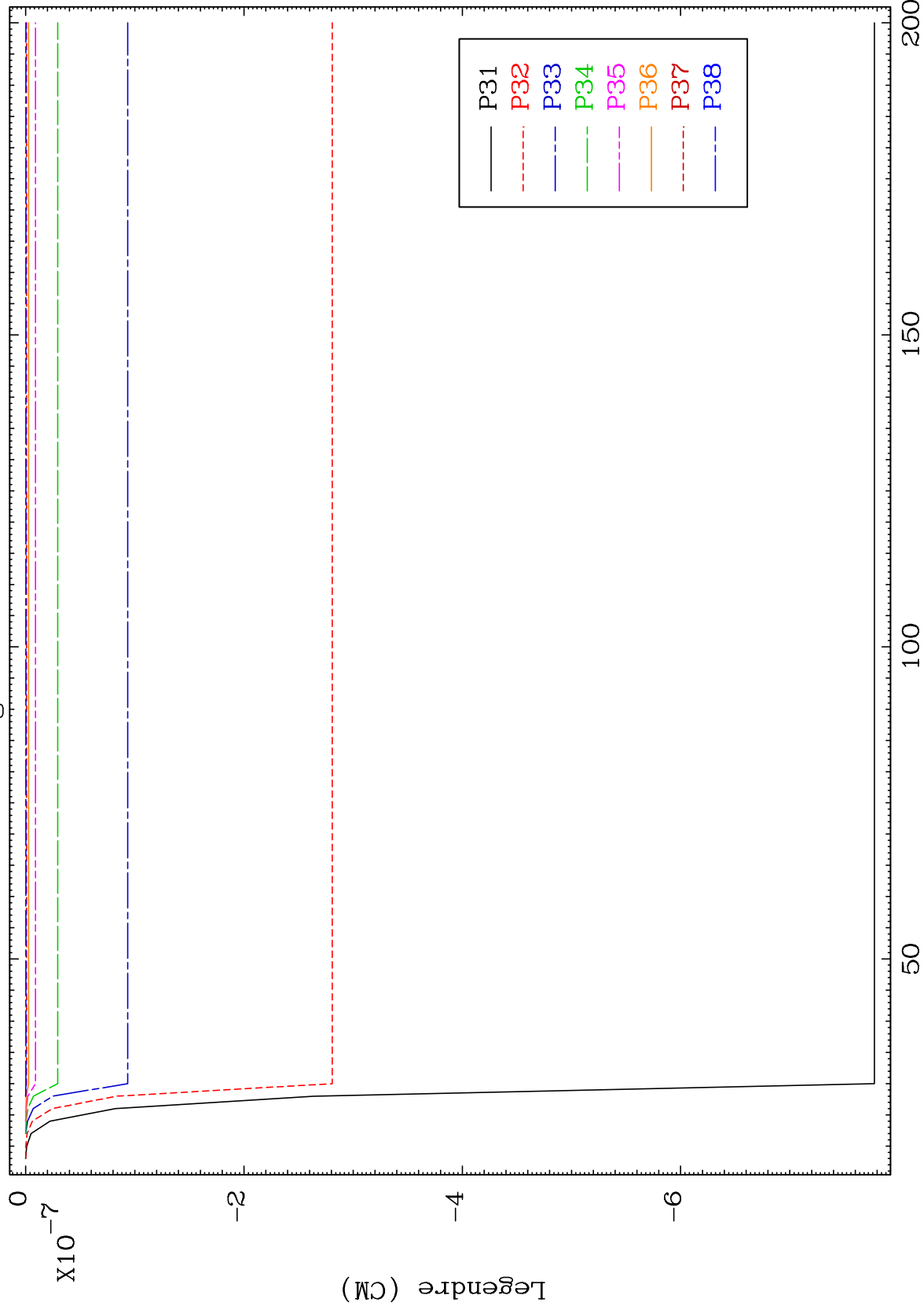
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



61

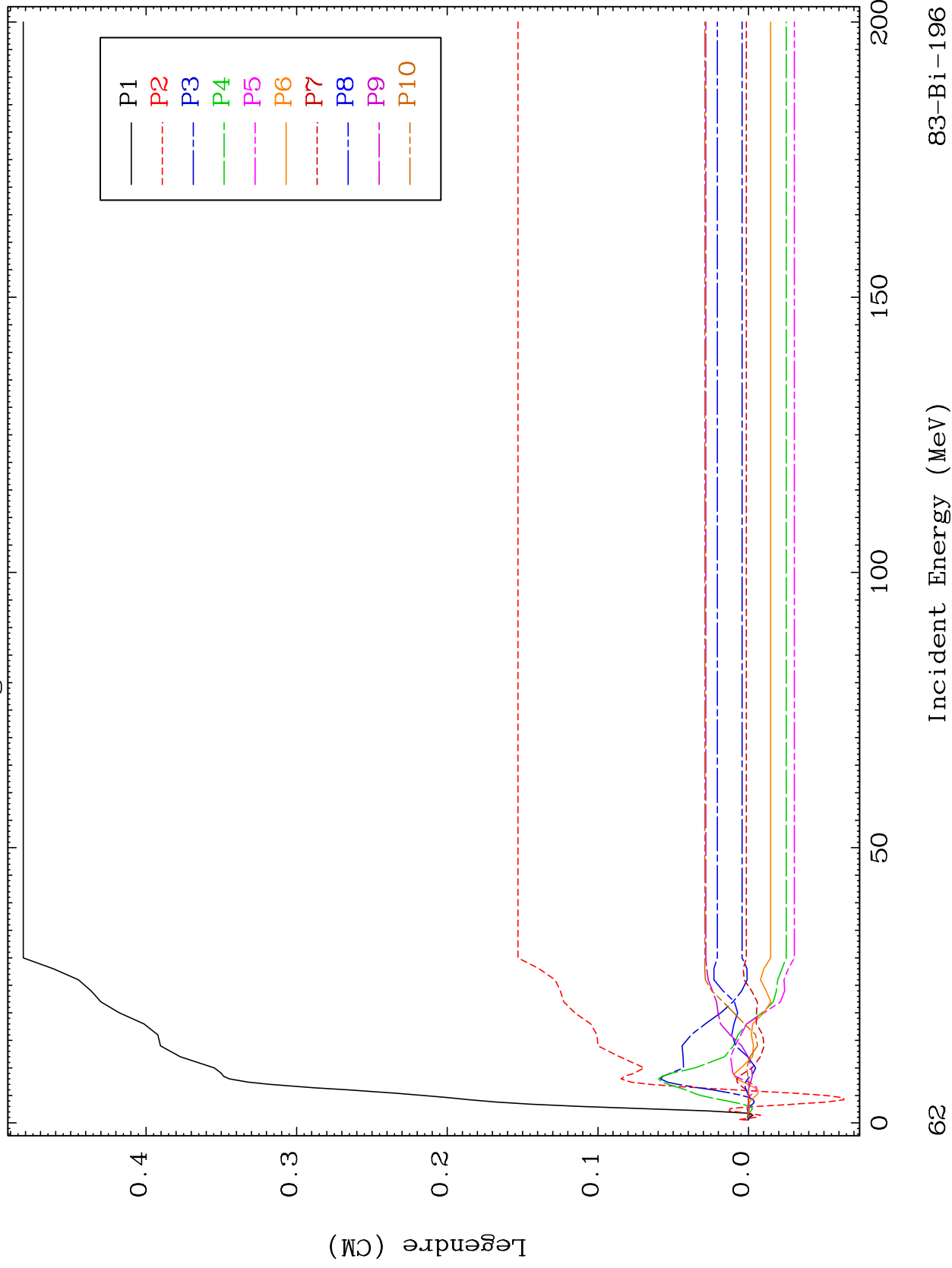
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



83-Bi-196

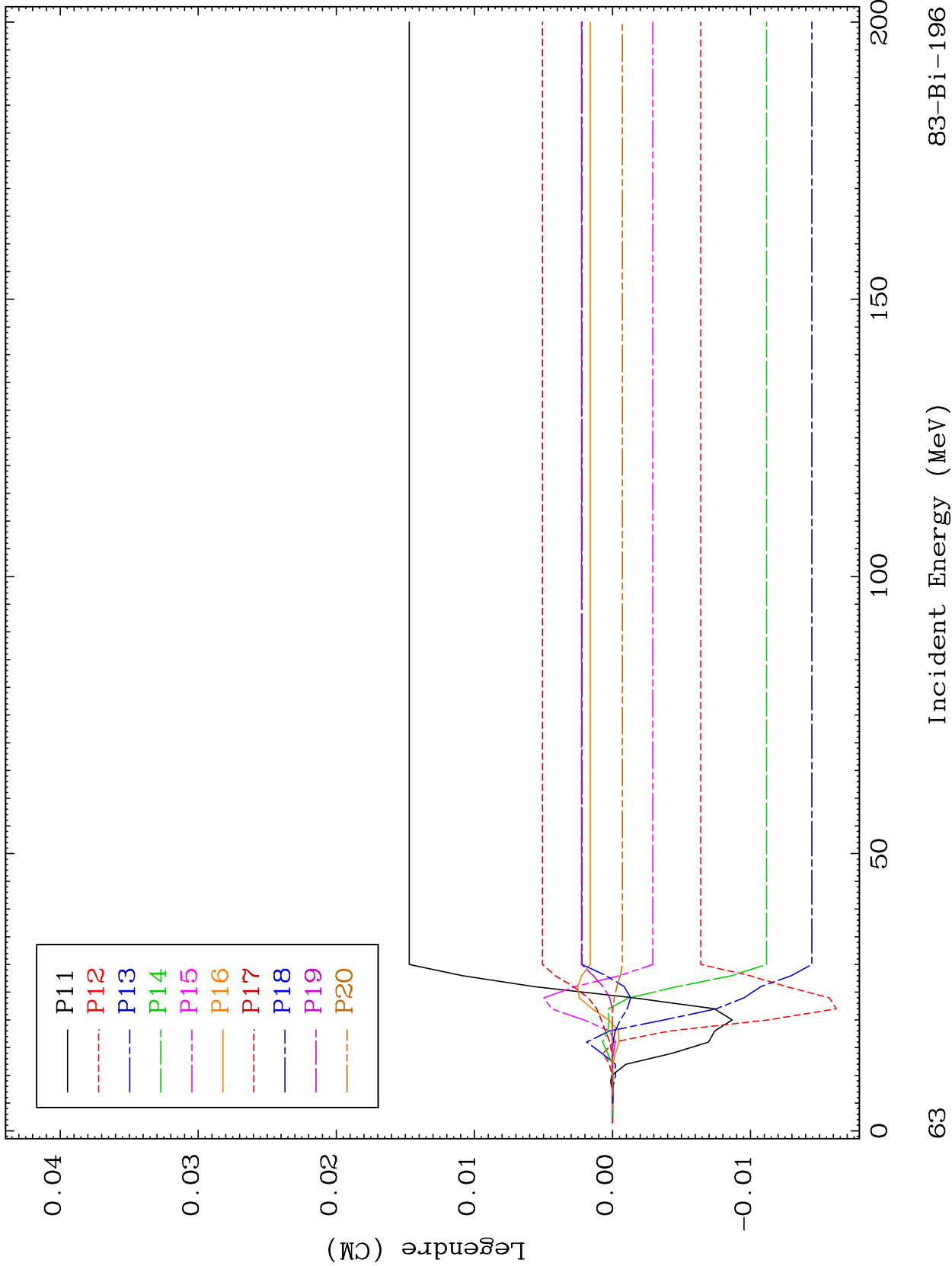
Incident Energy (MeV)

62

MAT 8286

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

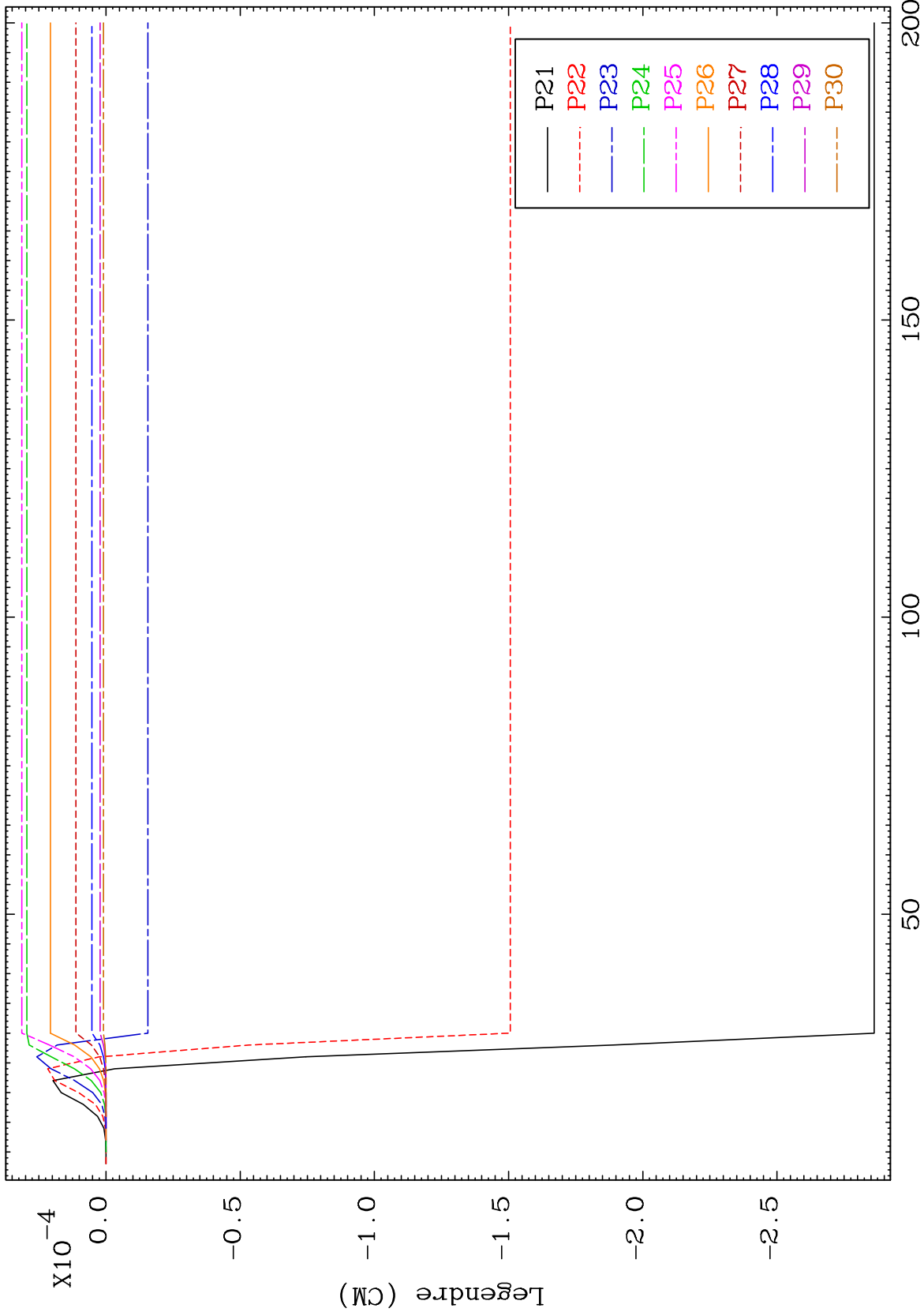
83-Bi-196



63

Incident Energy (MeV)

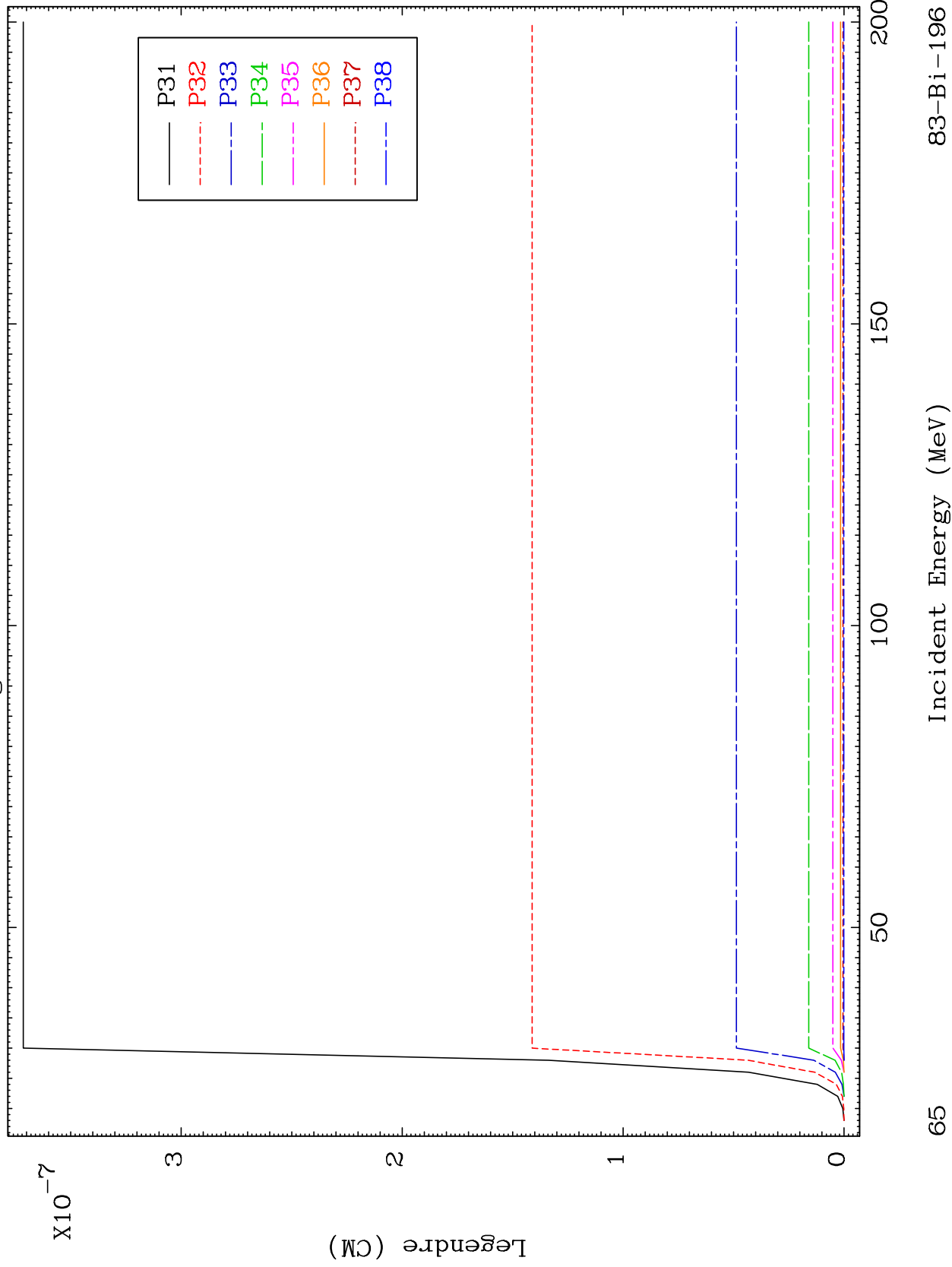
83-Bi-196



MAT 8286

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

83-Bi-196



65

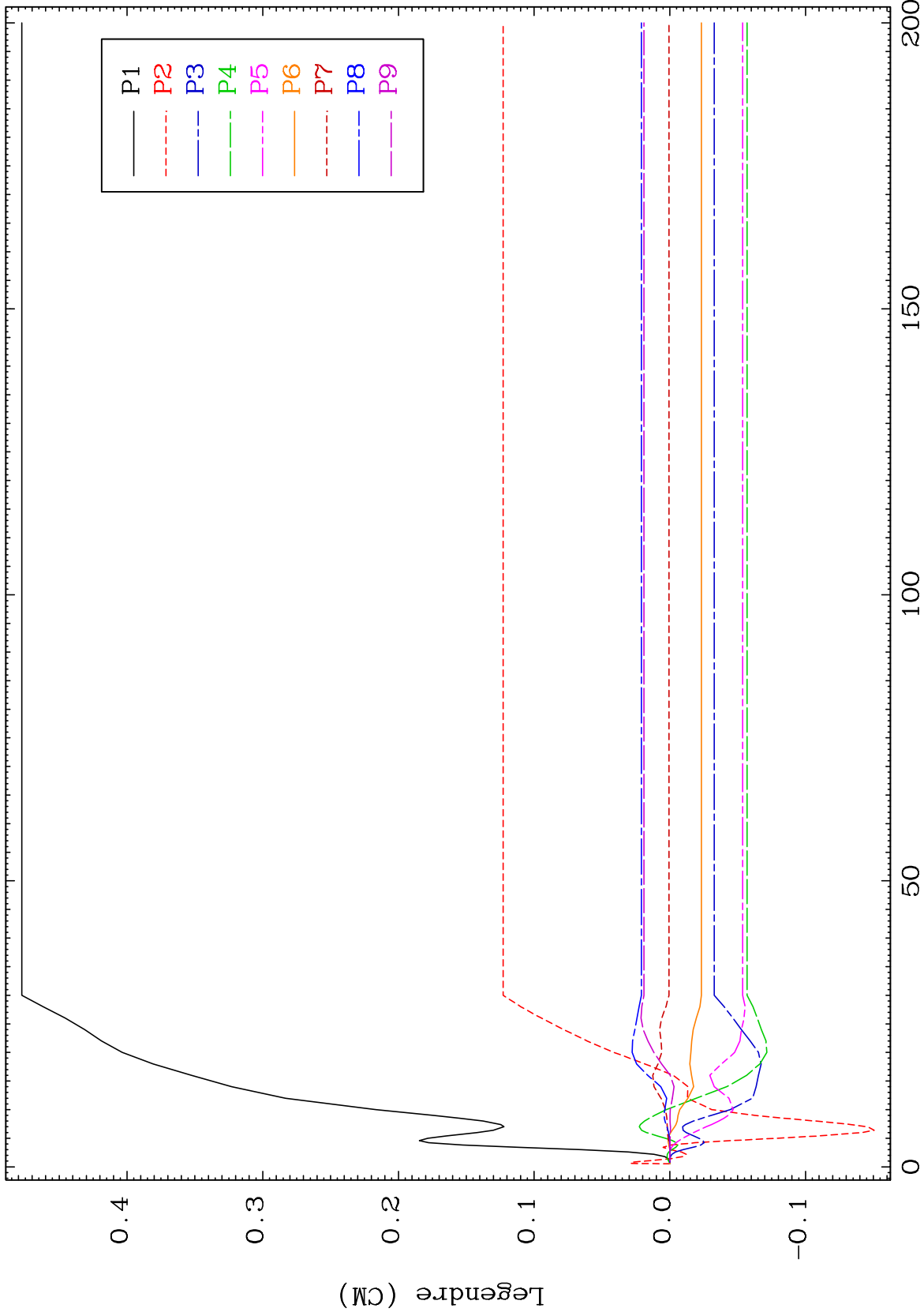
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



66

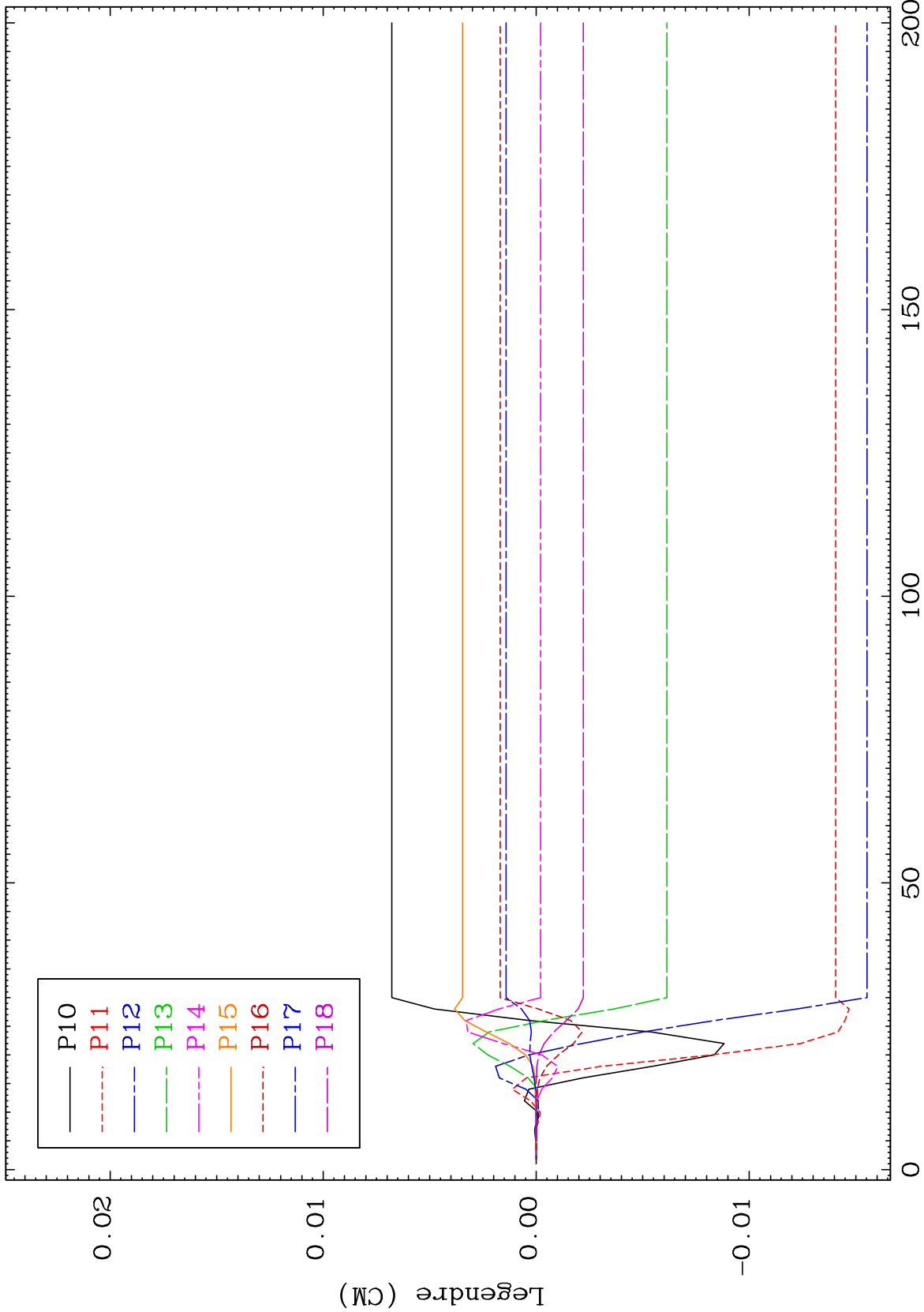
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



67

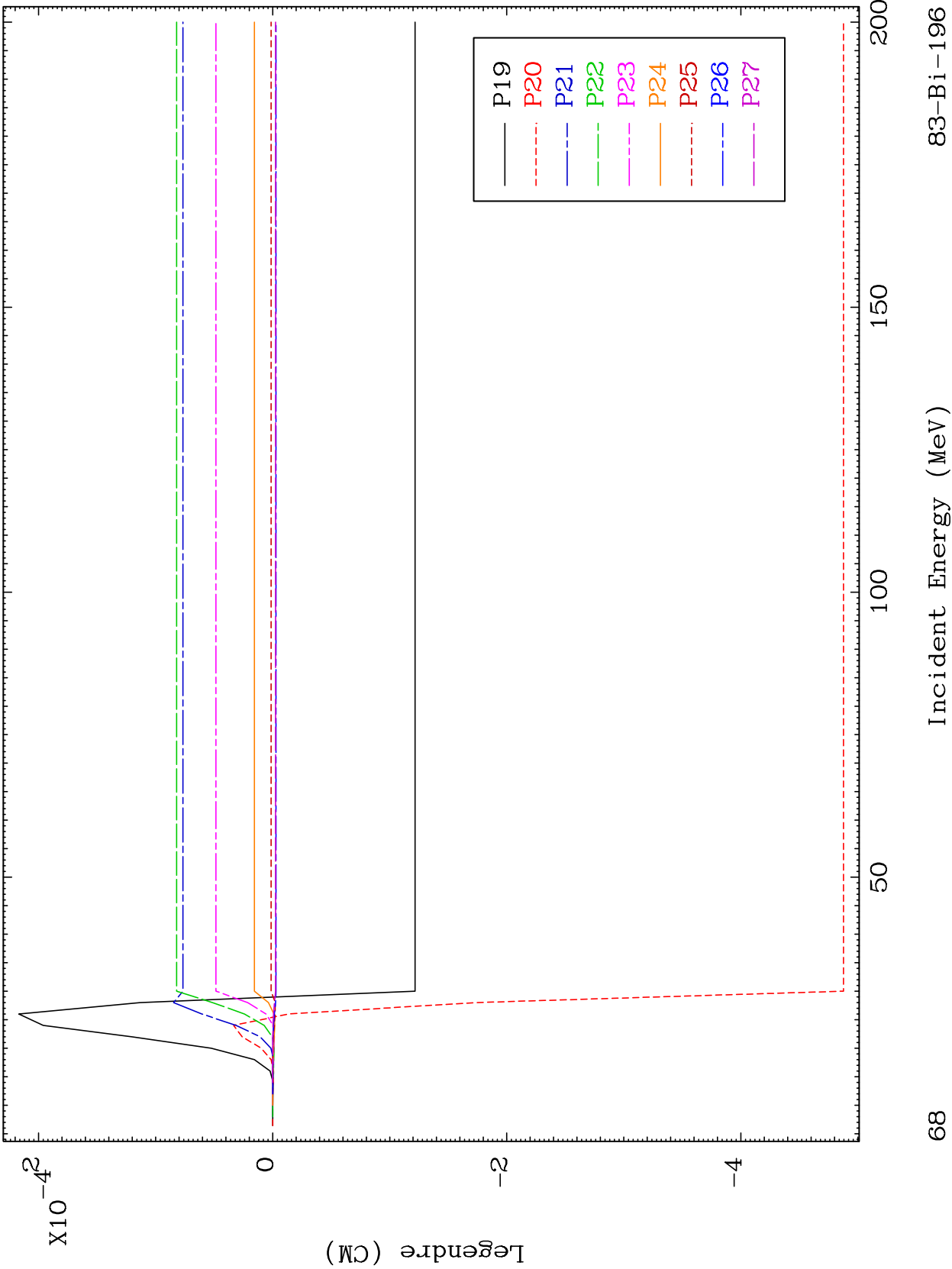
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



68

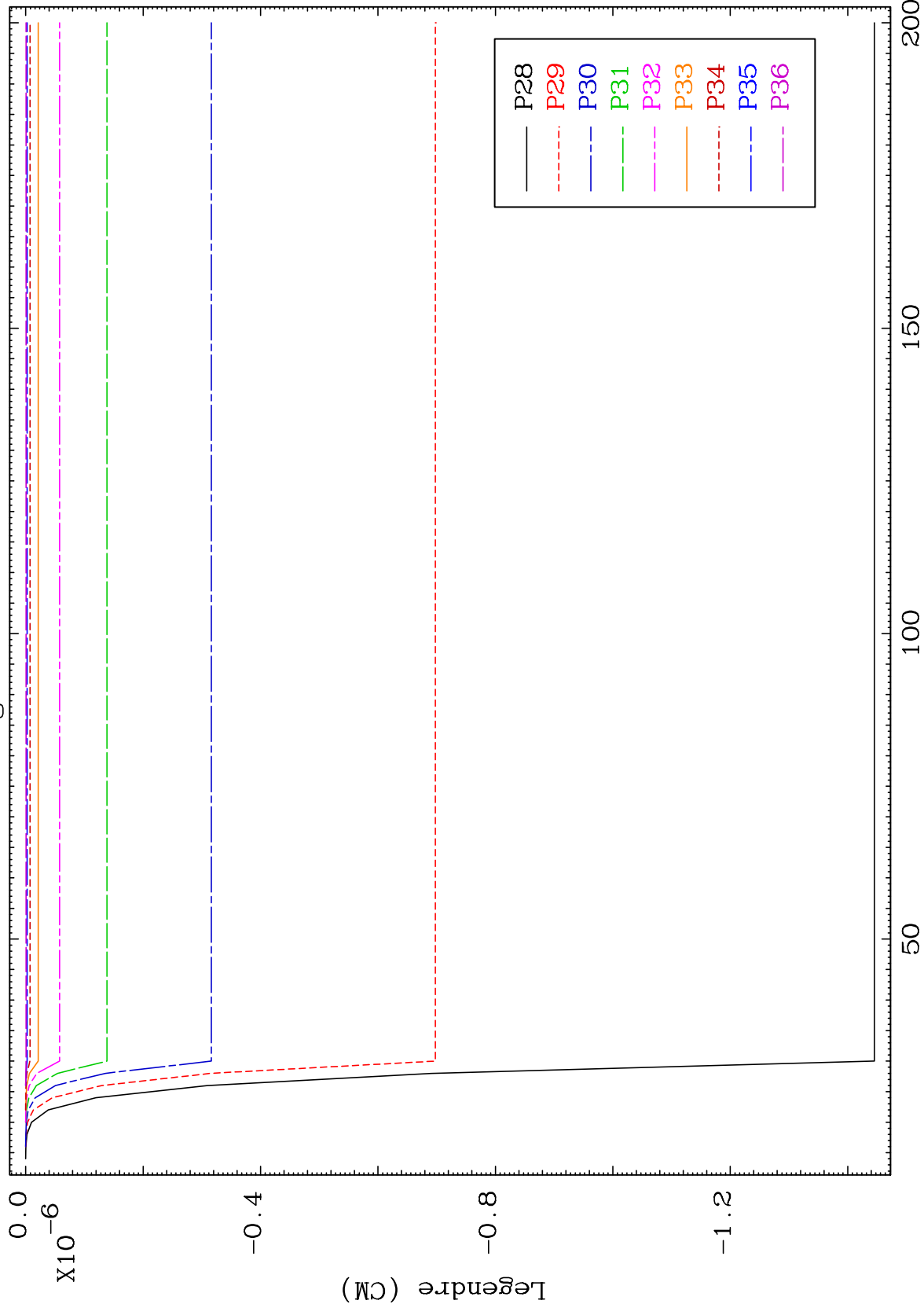
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



69

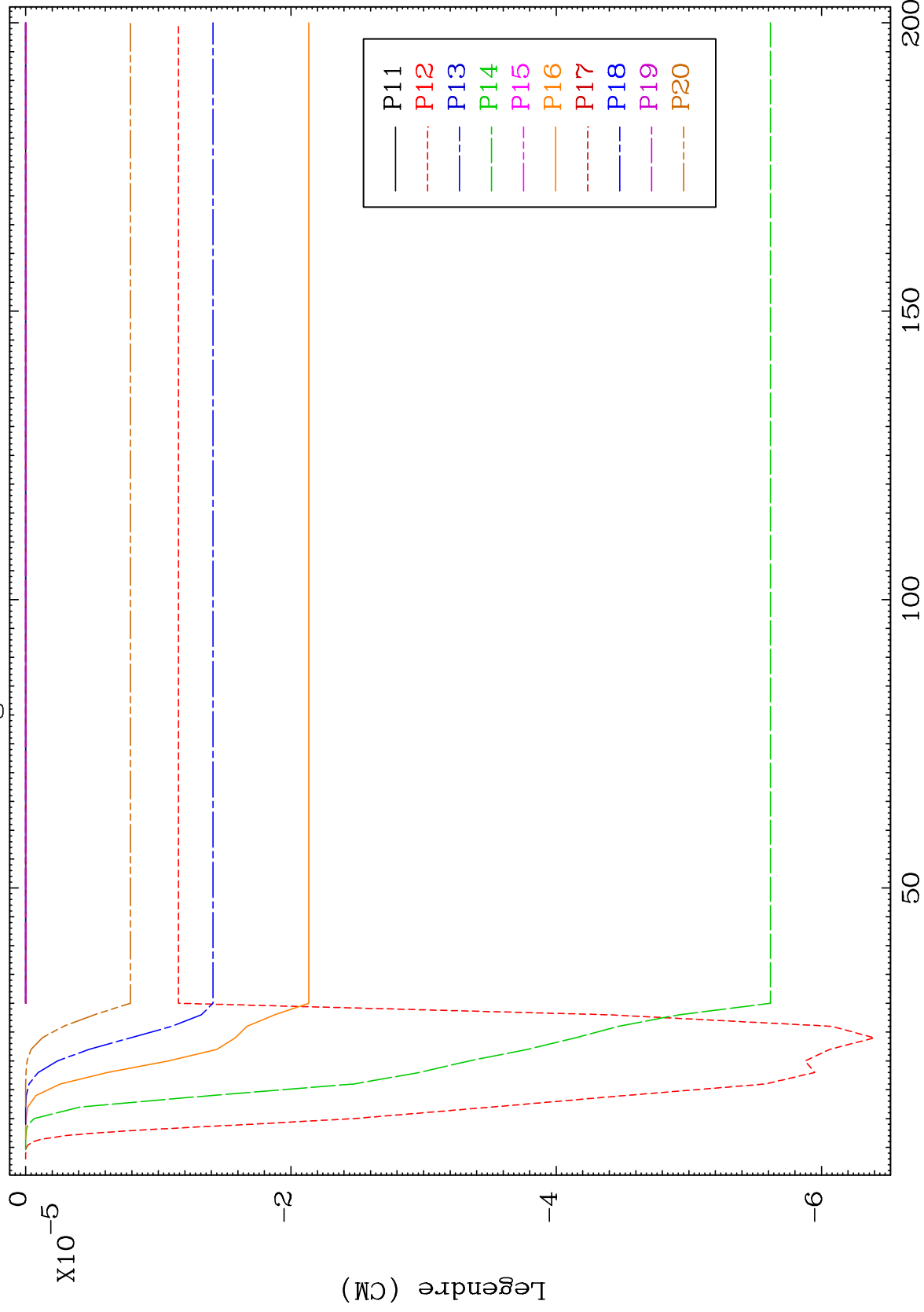
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



71

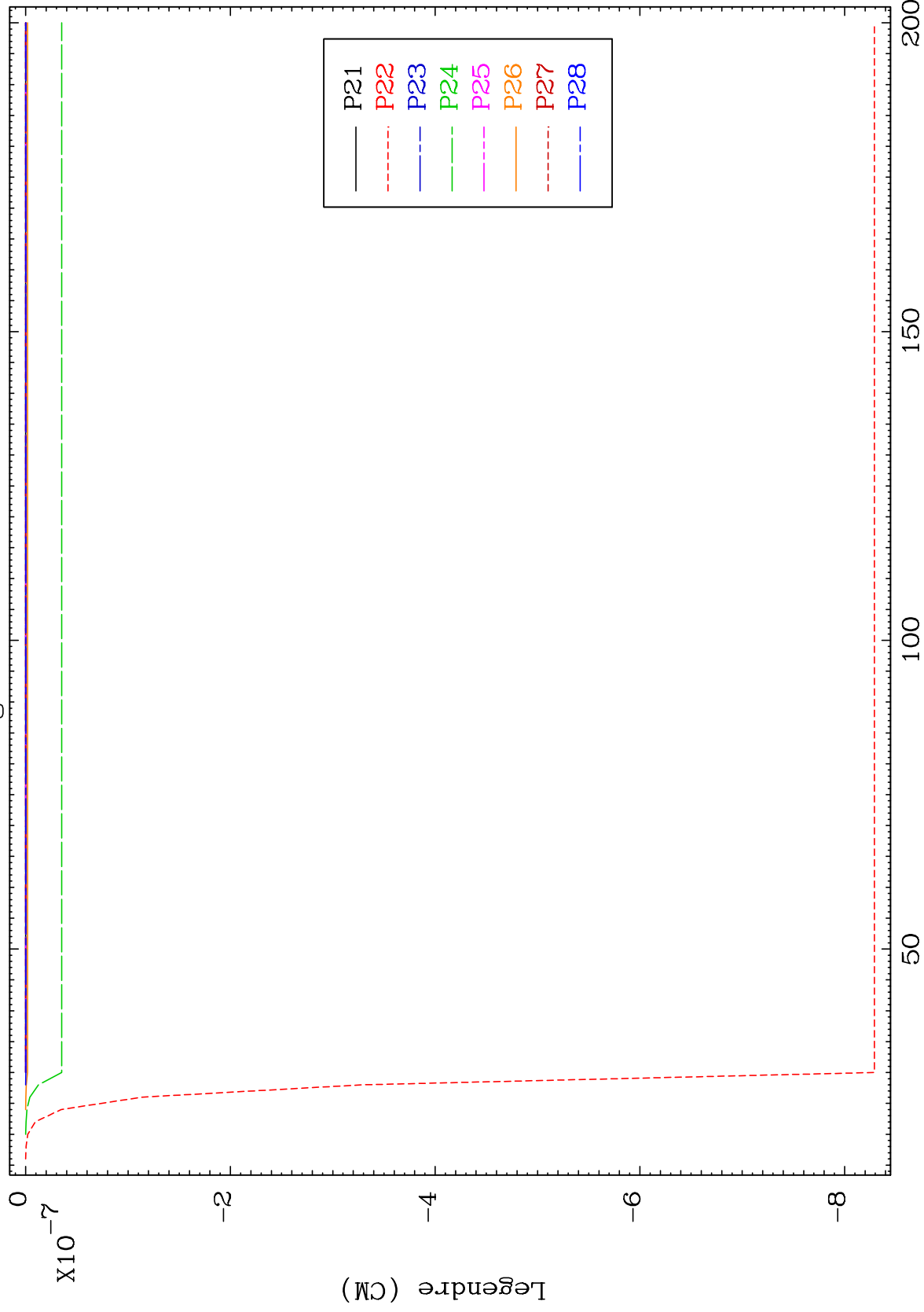
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



72

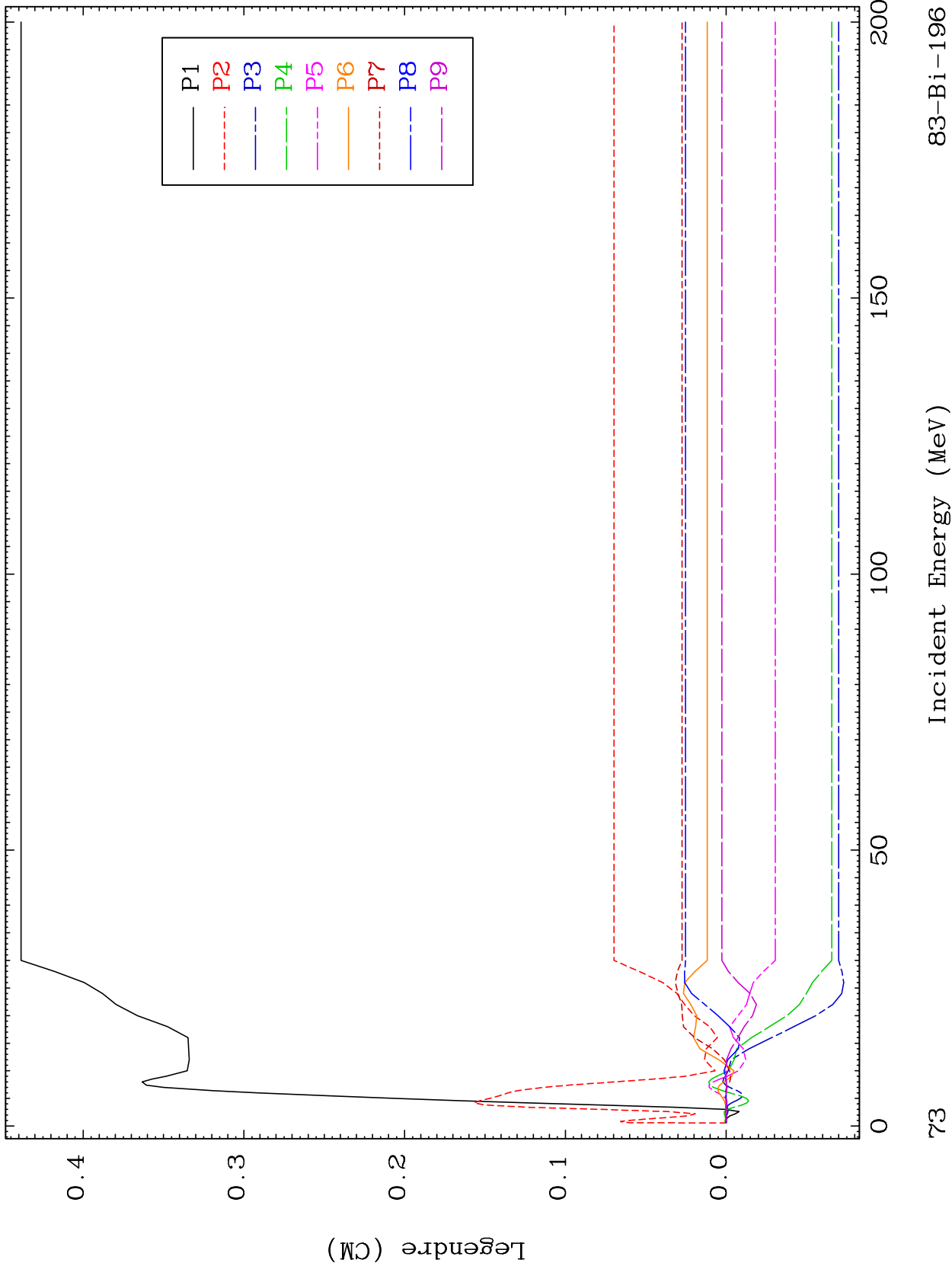
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



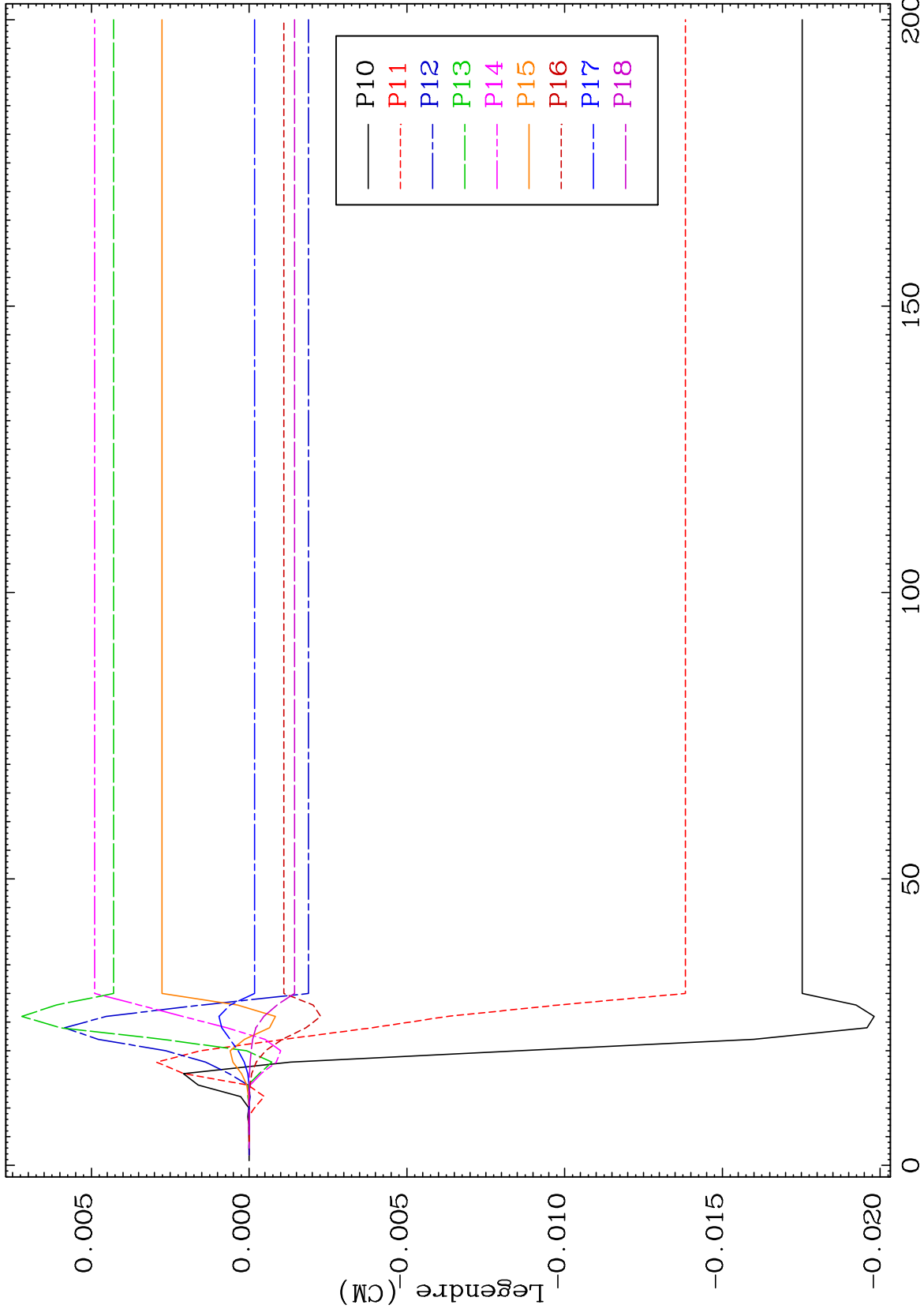
83-Bi-196

Incident Energy (MeV)

MAT 8286

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

83-Bi-196



74

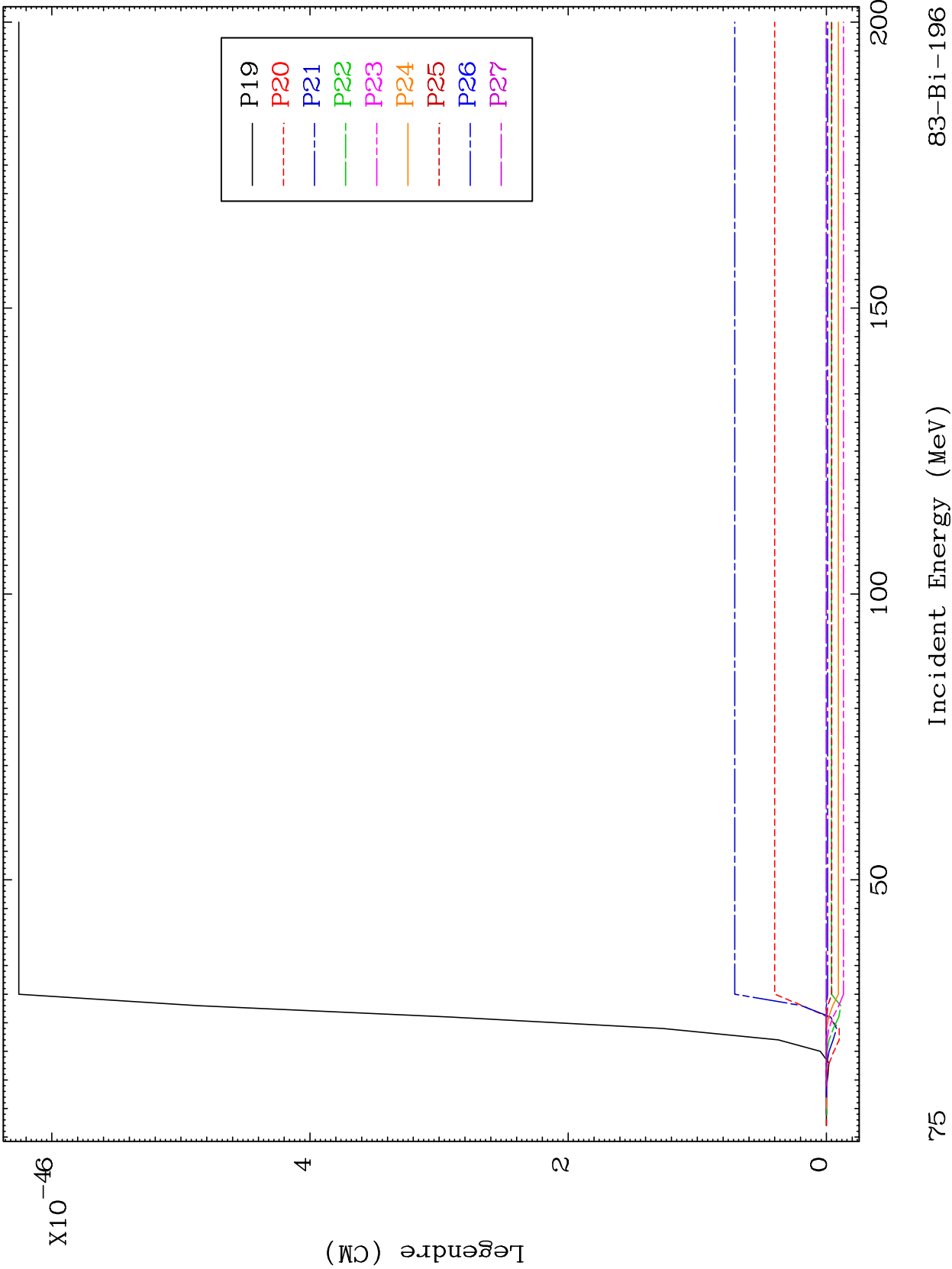
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

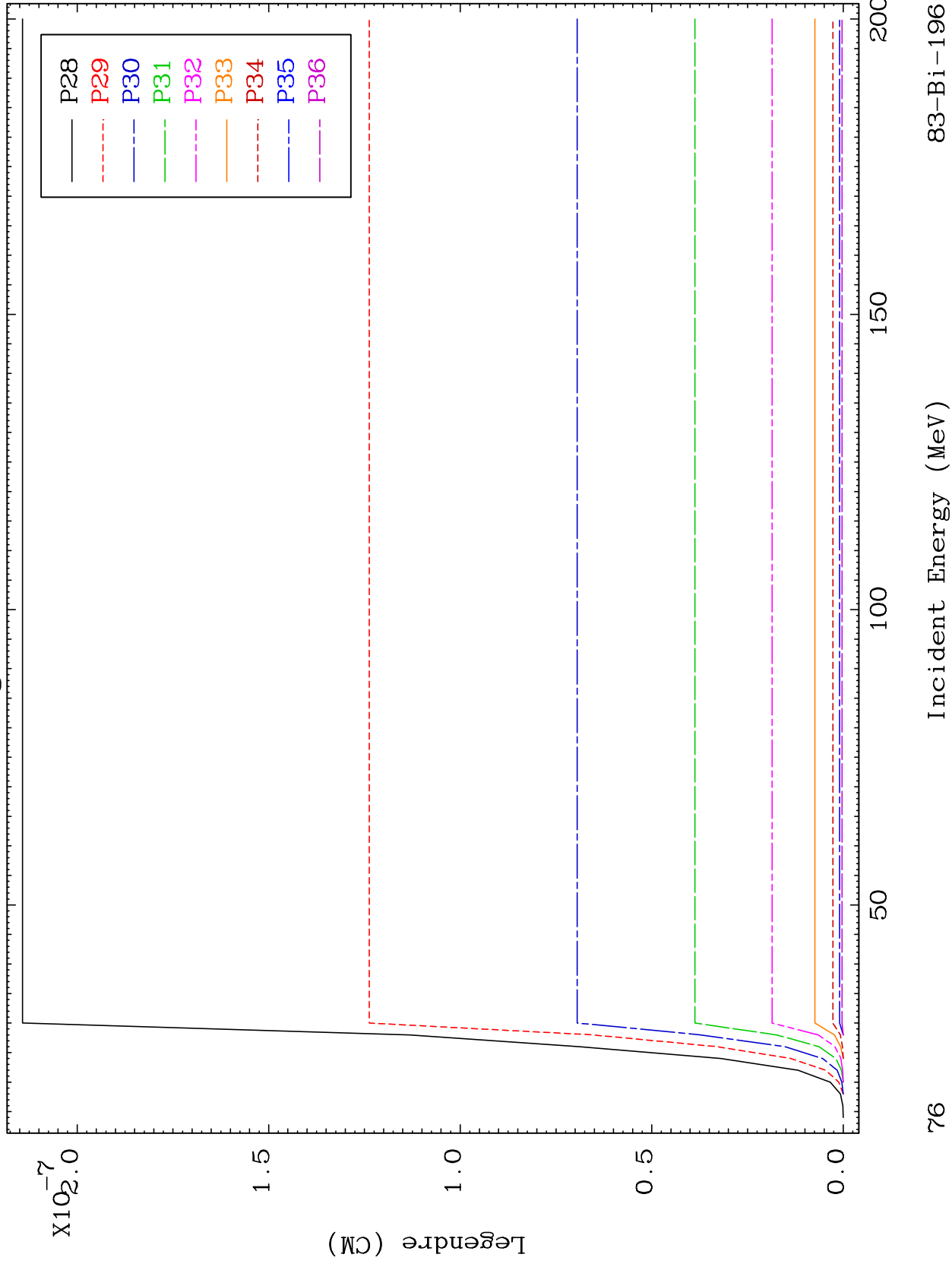
83-Bi-196



MAT 8286

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

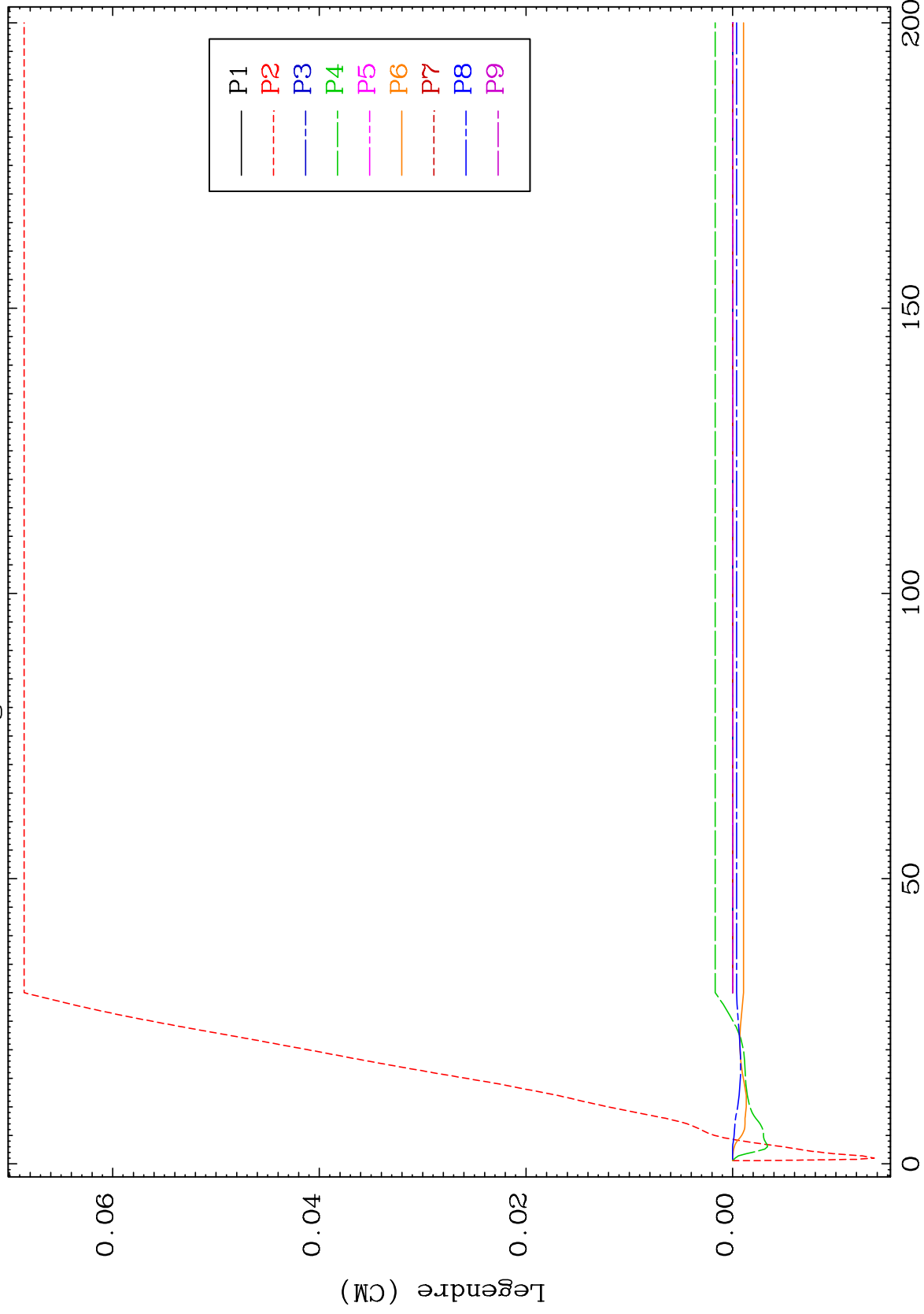
83-Bi-196



MAT 8286

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

83-Bi-196



83-Bi-196

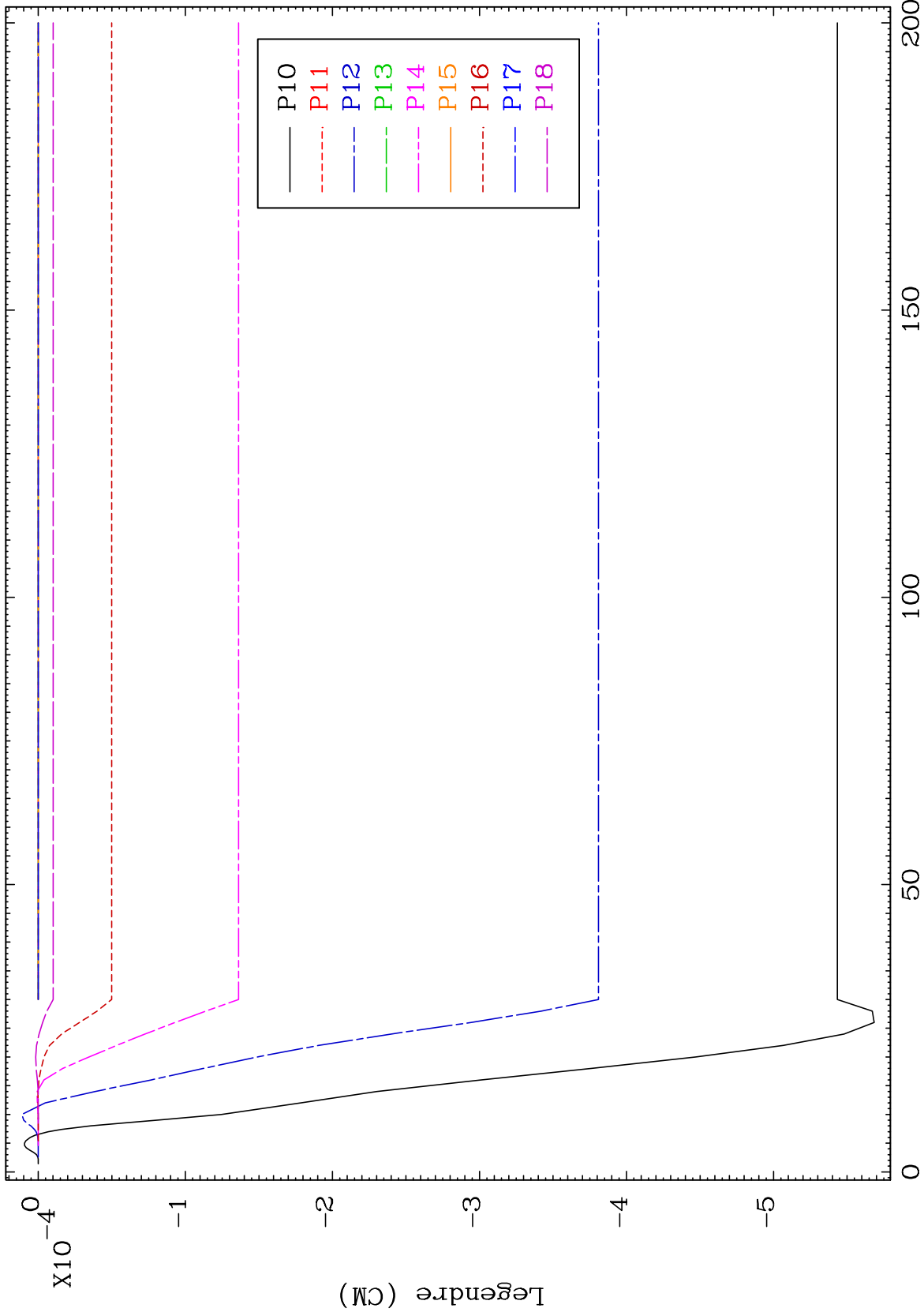
Incident Energy (MeV)

77

MAT 8286

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

83-Bi-196



78

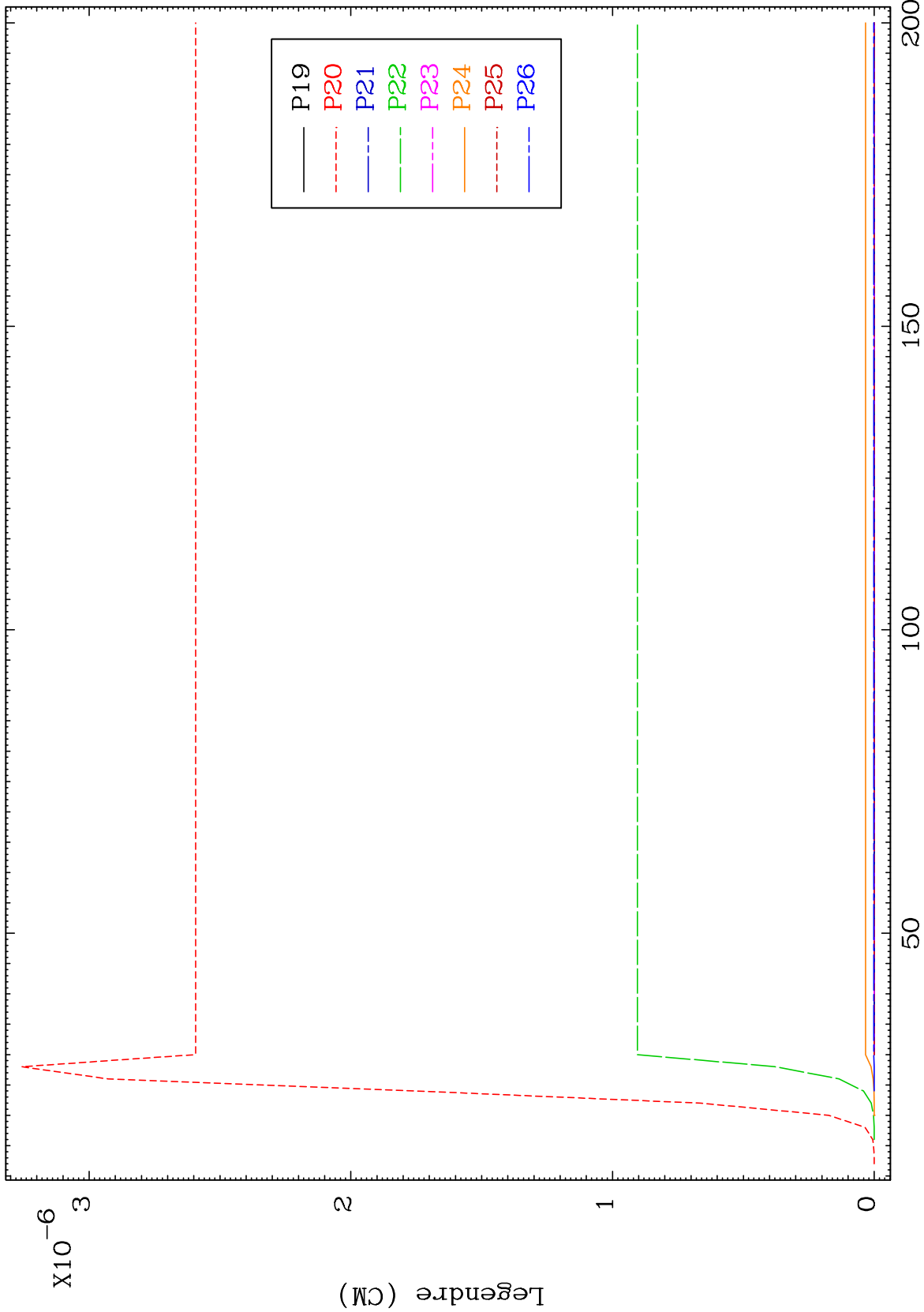
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



79

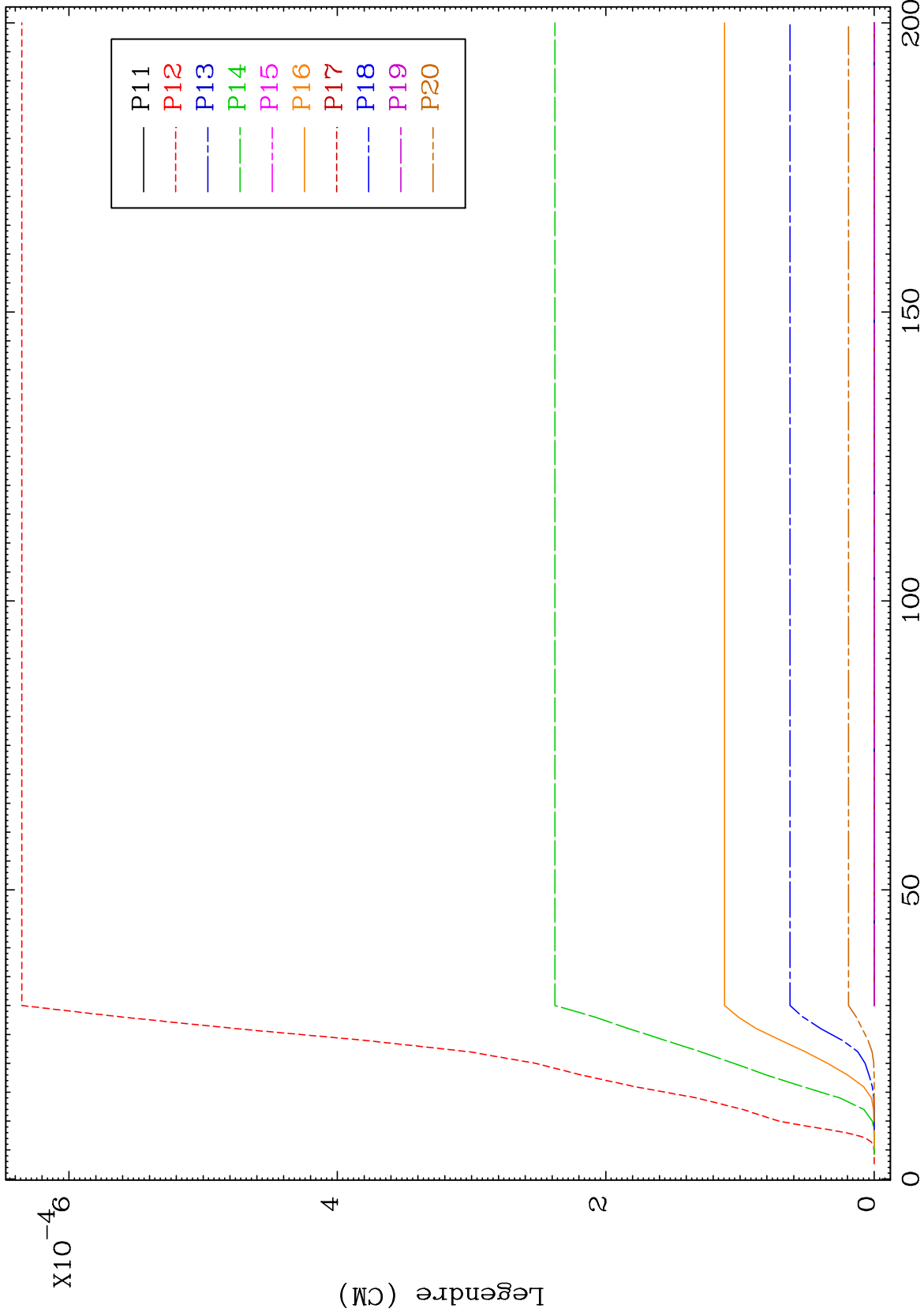
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



81

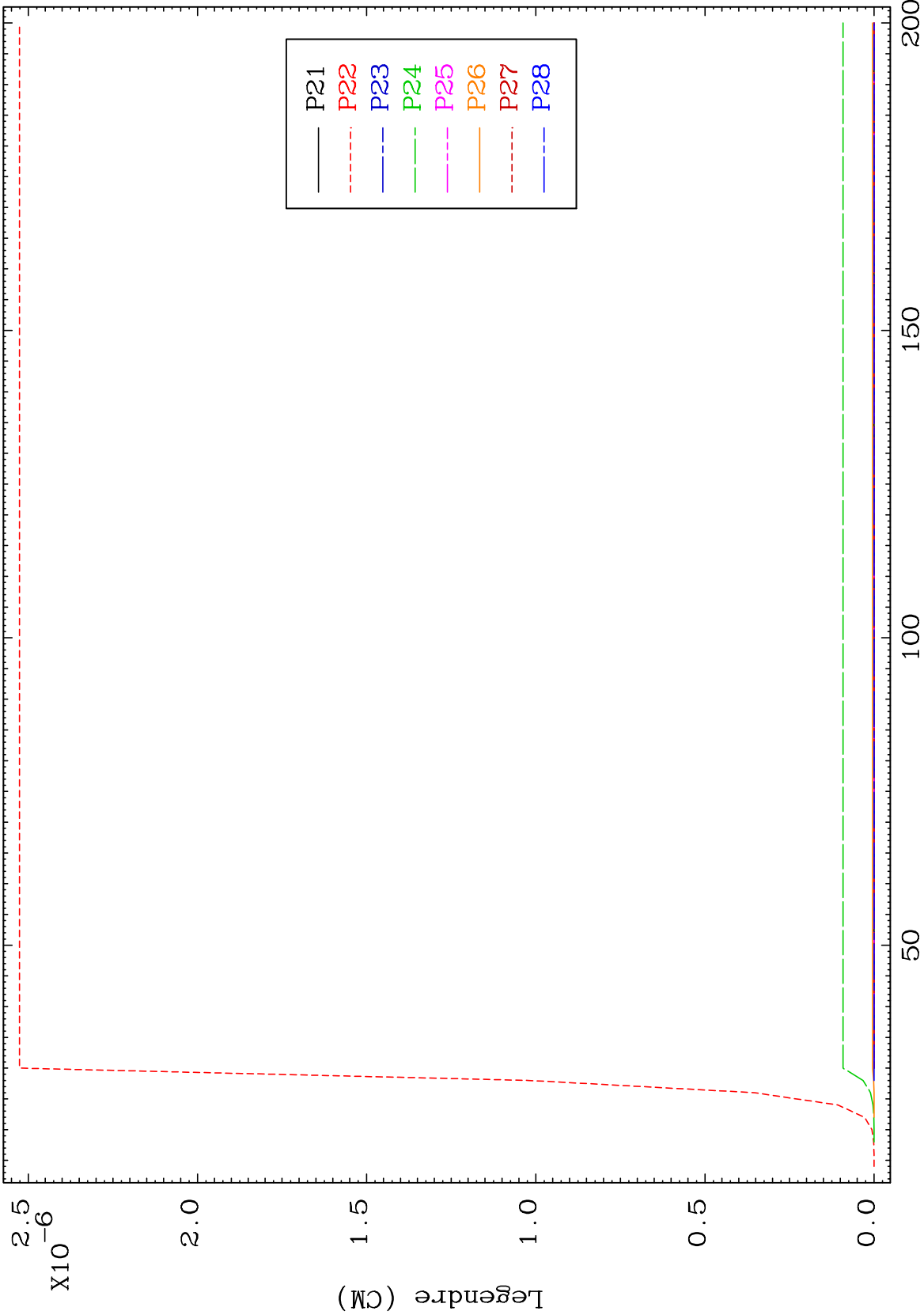
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



82

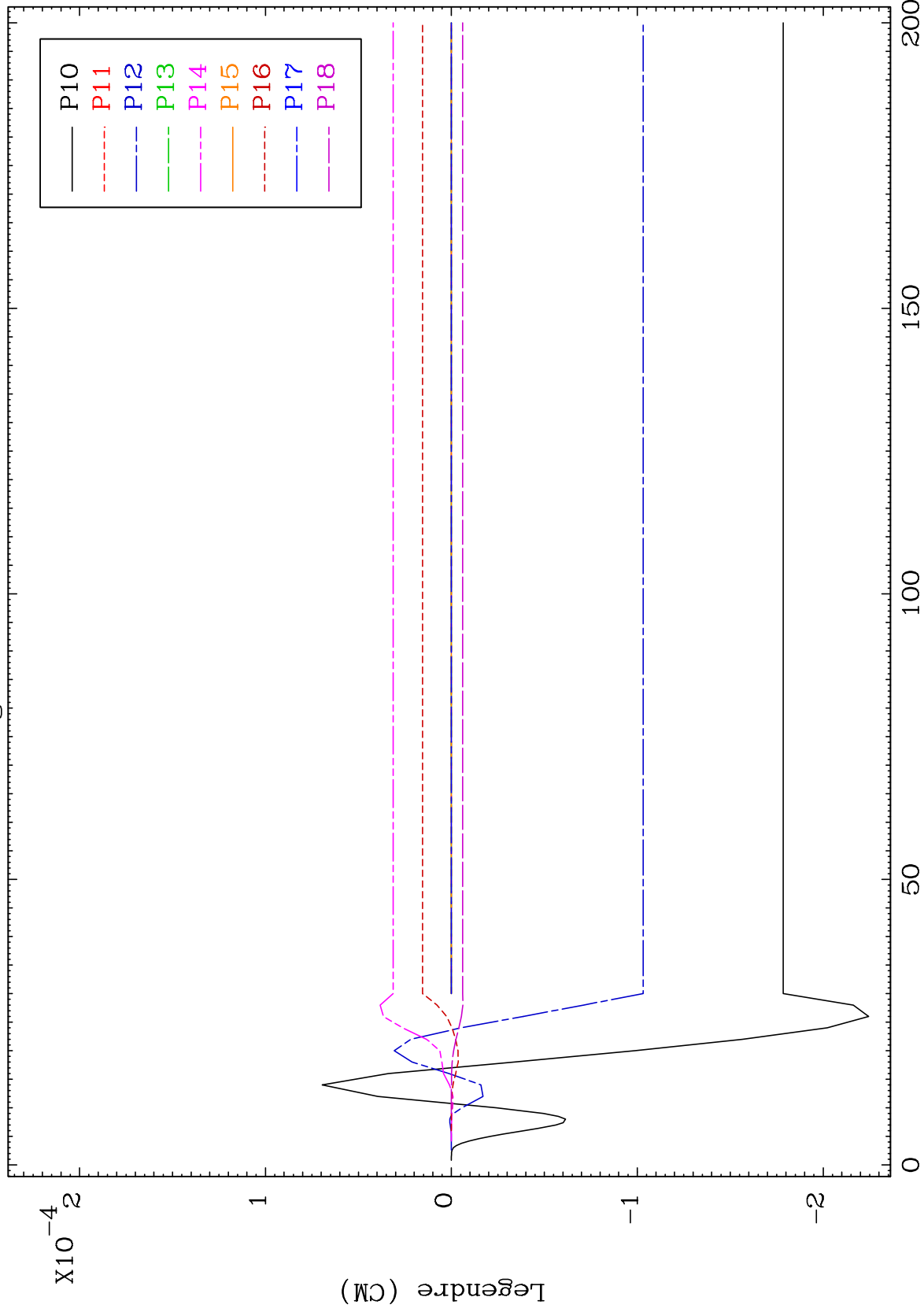
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

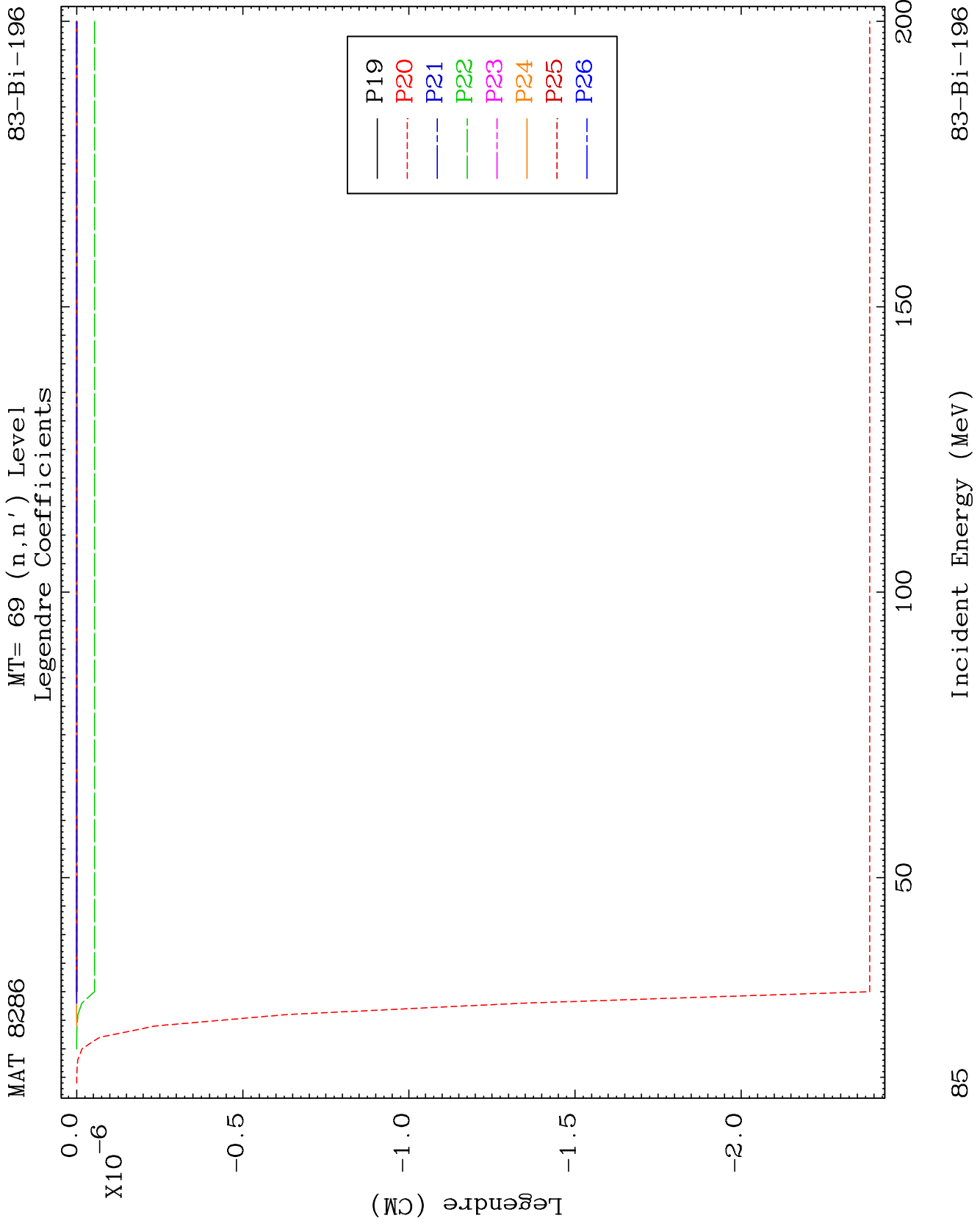
83-Bi-196



84

Incident Energy (MeV)

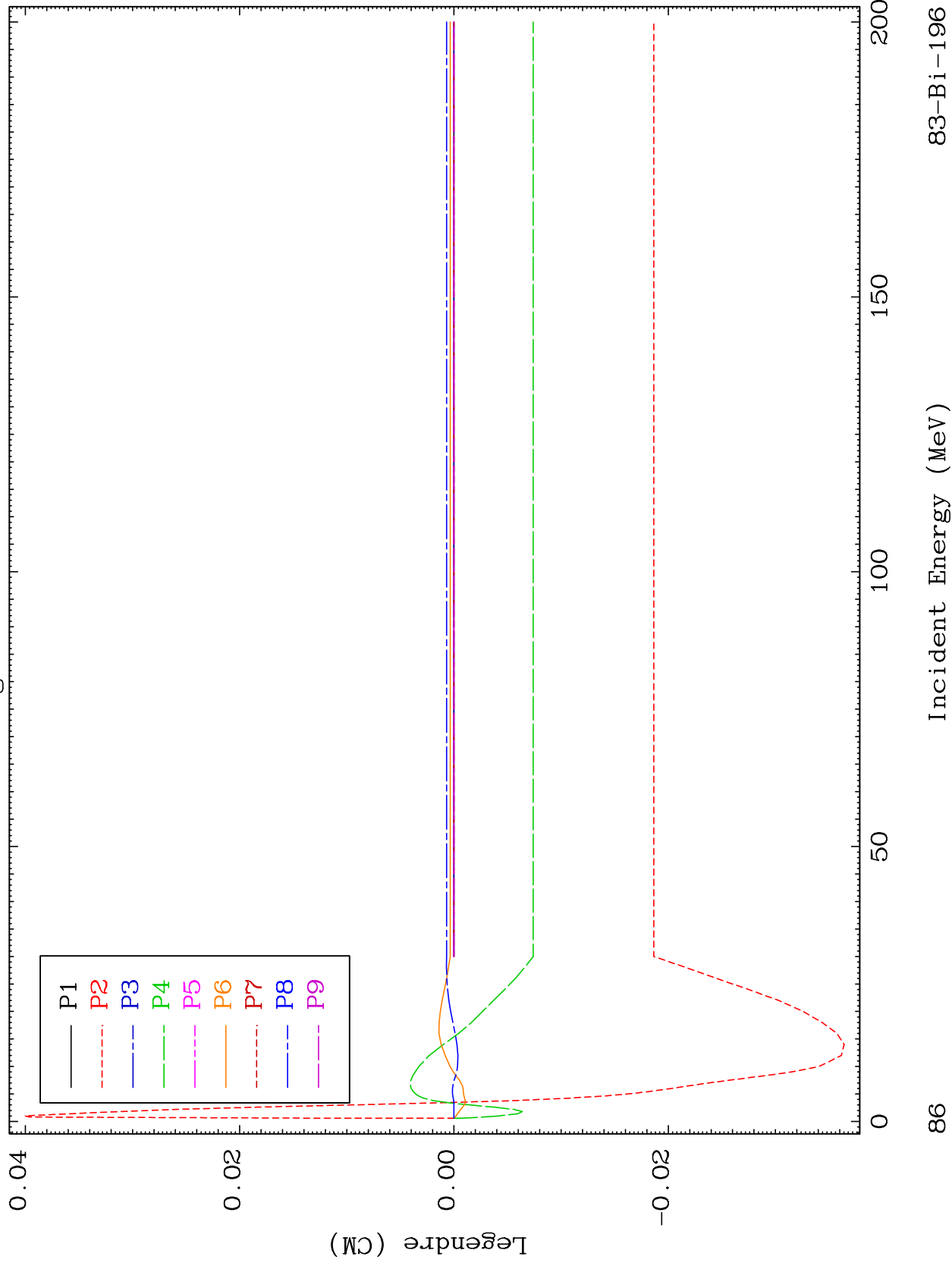
83-Bi-196



MAT 8286

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

83-Bi-196



86

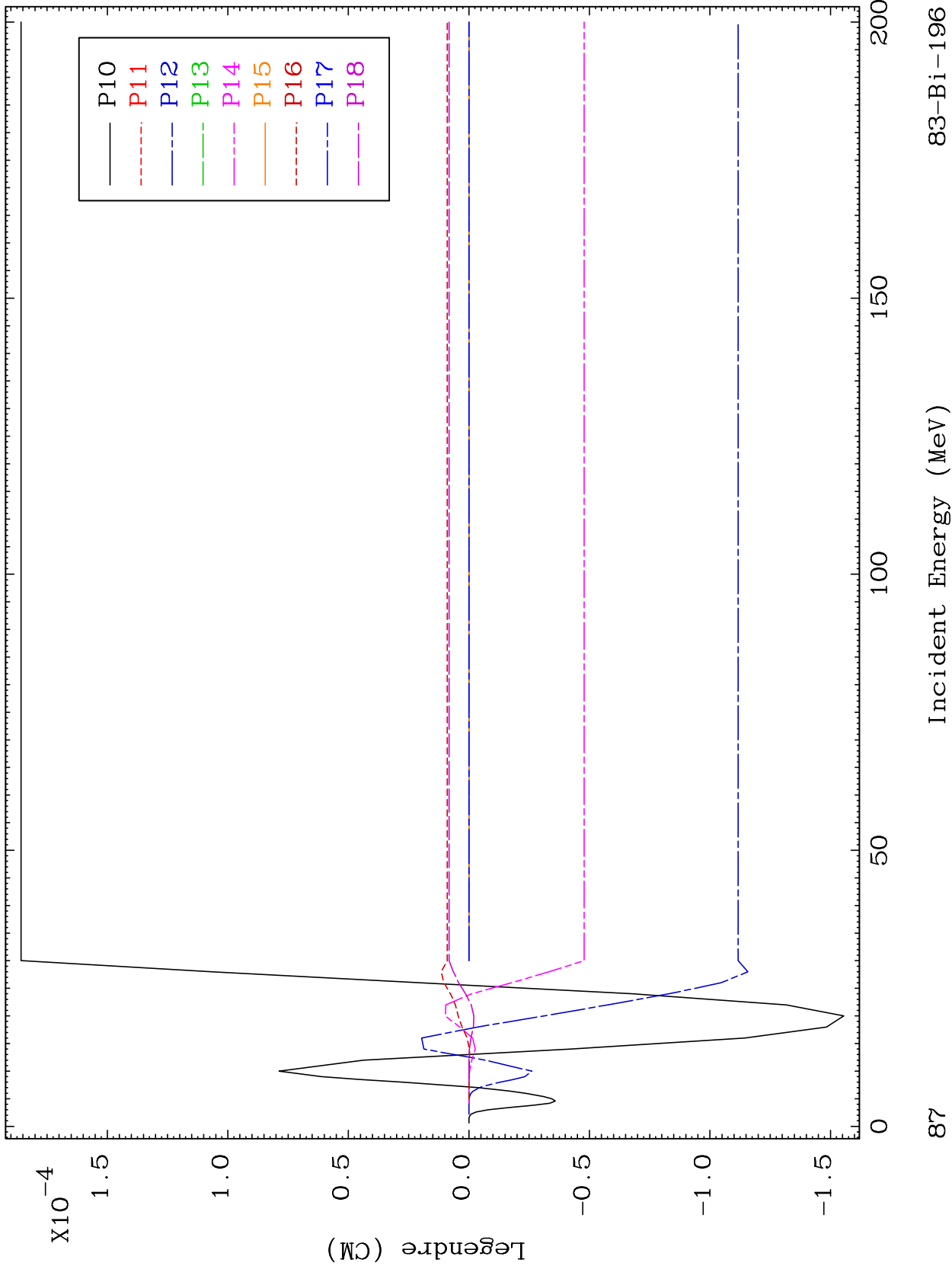
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196

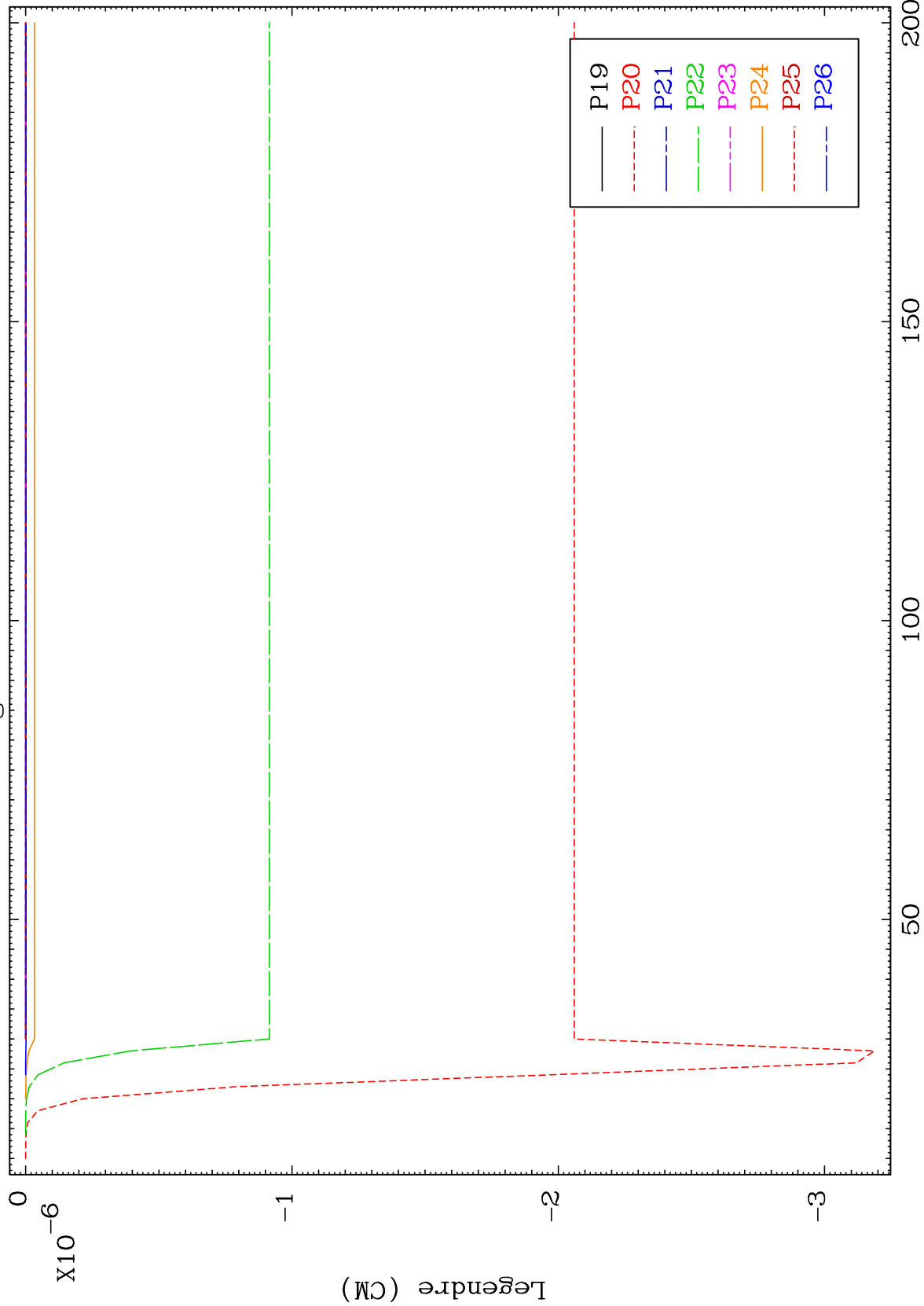


83-Bi-196

MAT 8286

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

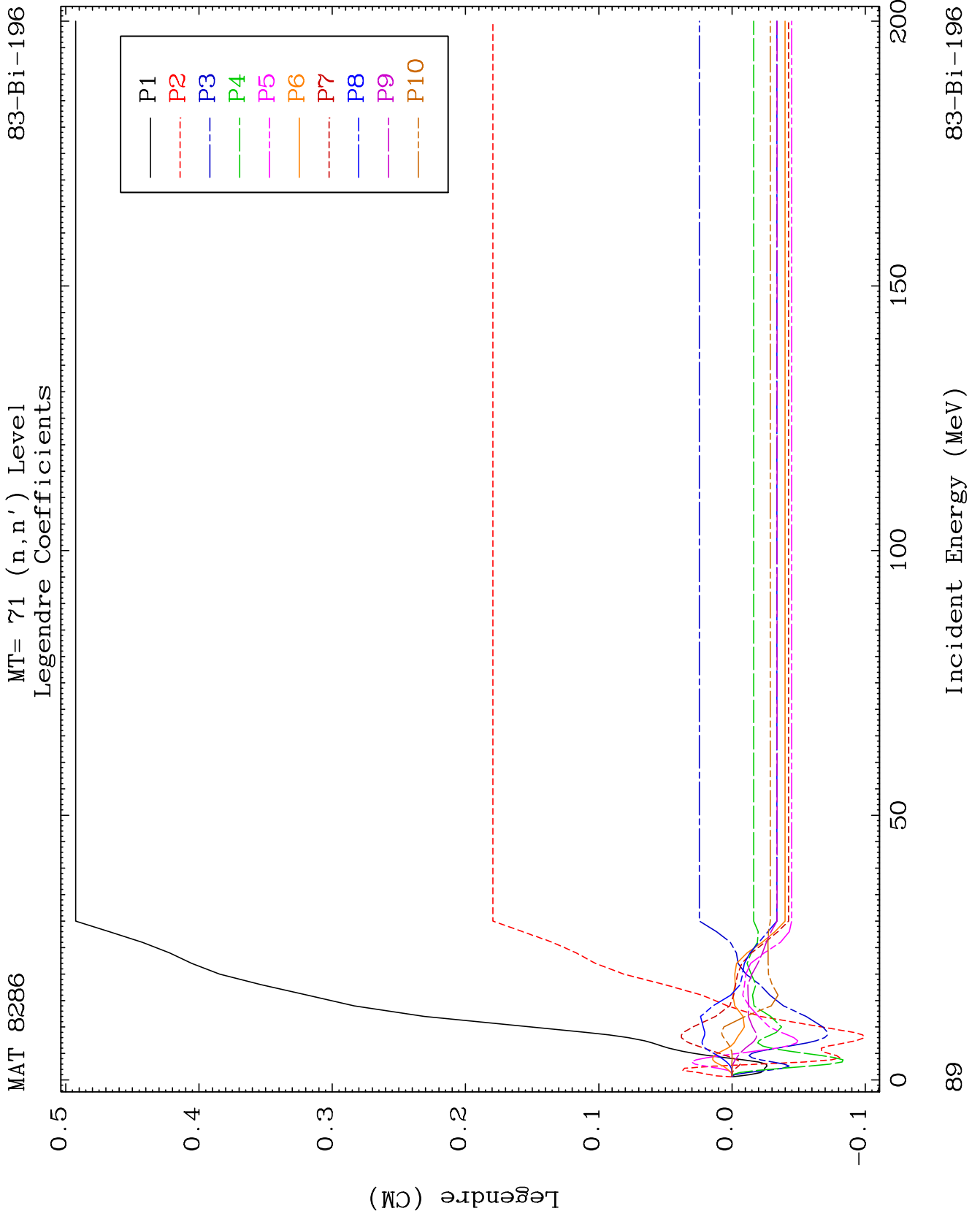
83-Bi-196



88

Incident Energy (MeV)

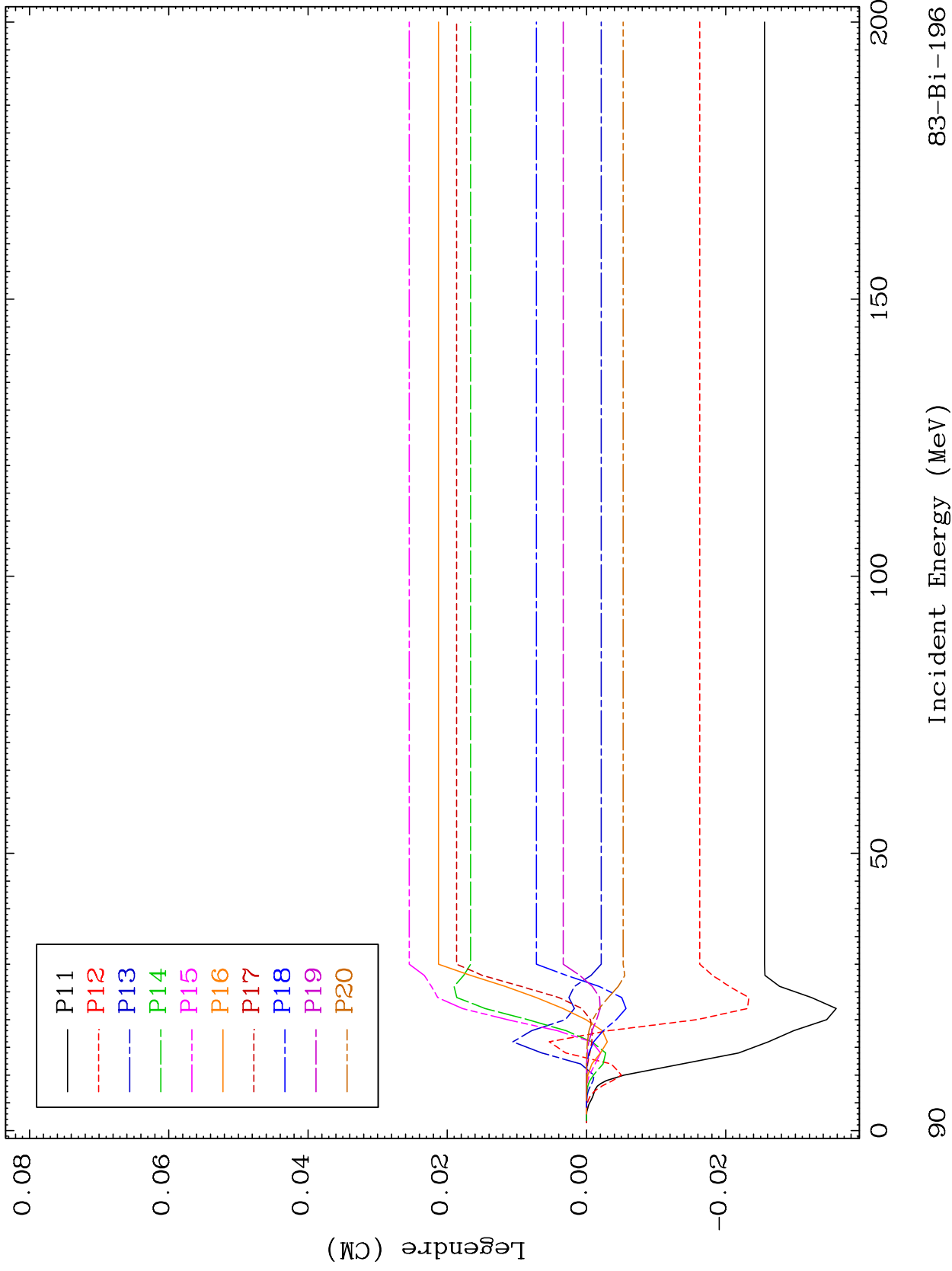
83-Bi-196



MAT 8286

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

83-Bi-196



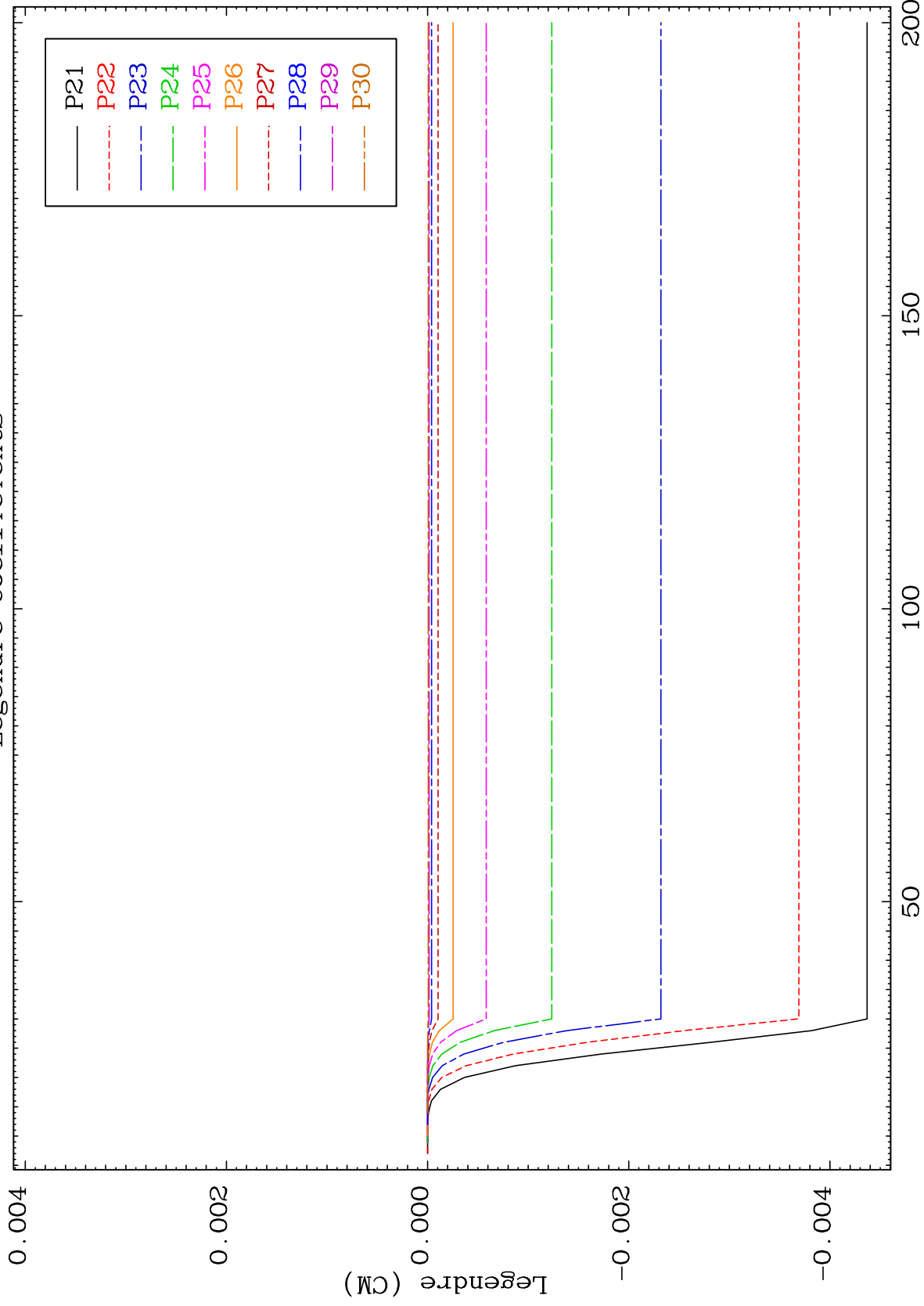
83-Bi-196

Incident Energy (MeV)

MAT 8286

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

83-Bi-196



91

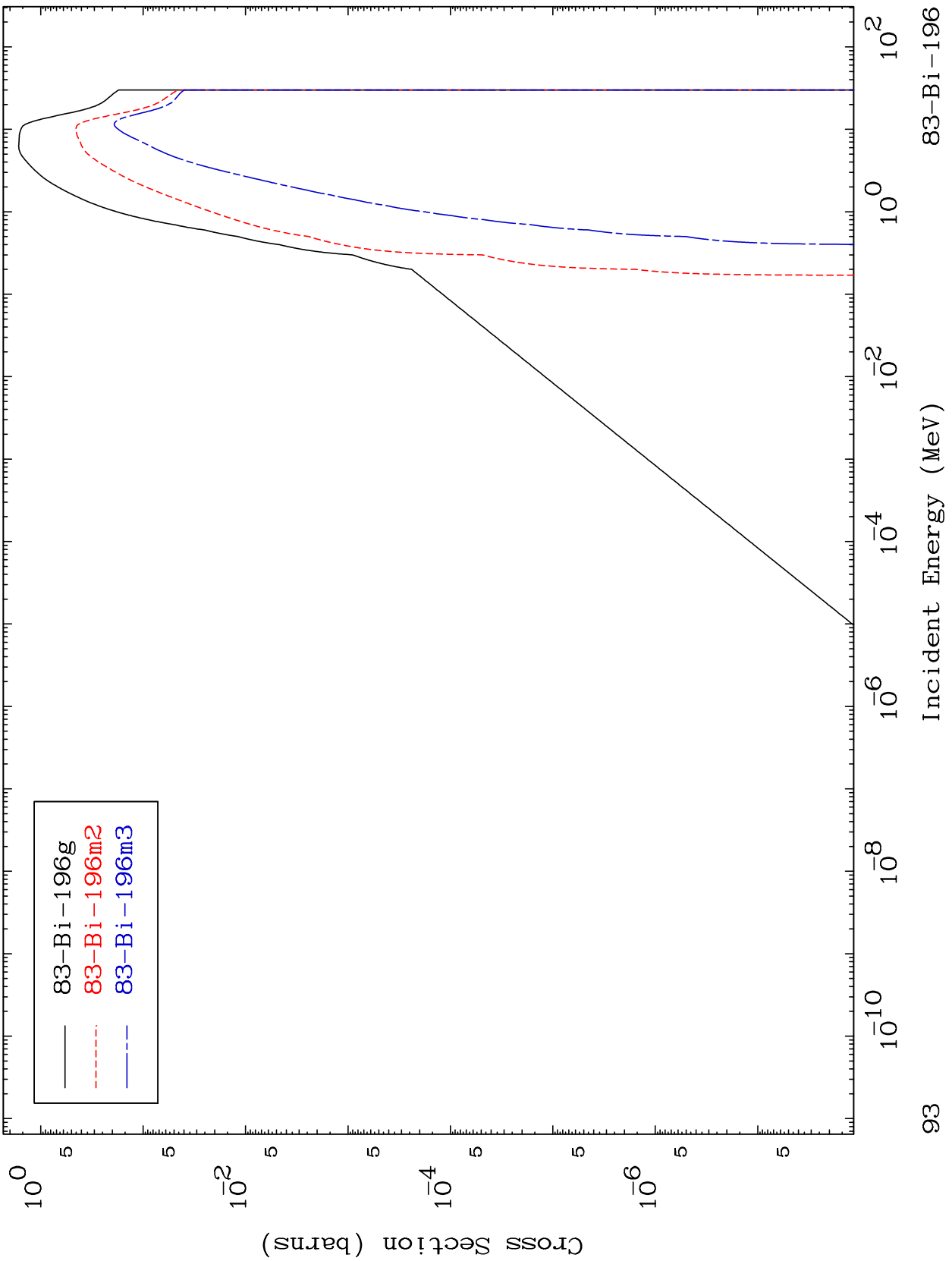
Incident Energy (MeV)

83-Bi-196

MAT 8286

Inelastic
Radionuclide Production Cross Section

83-Bi-196



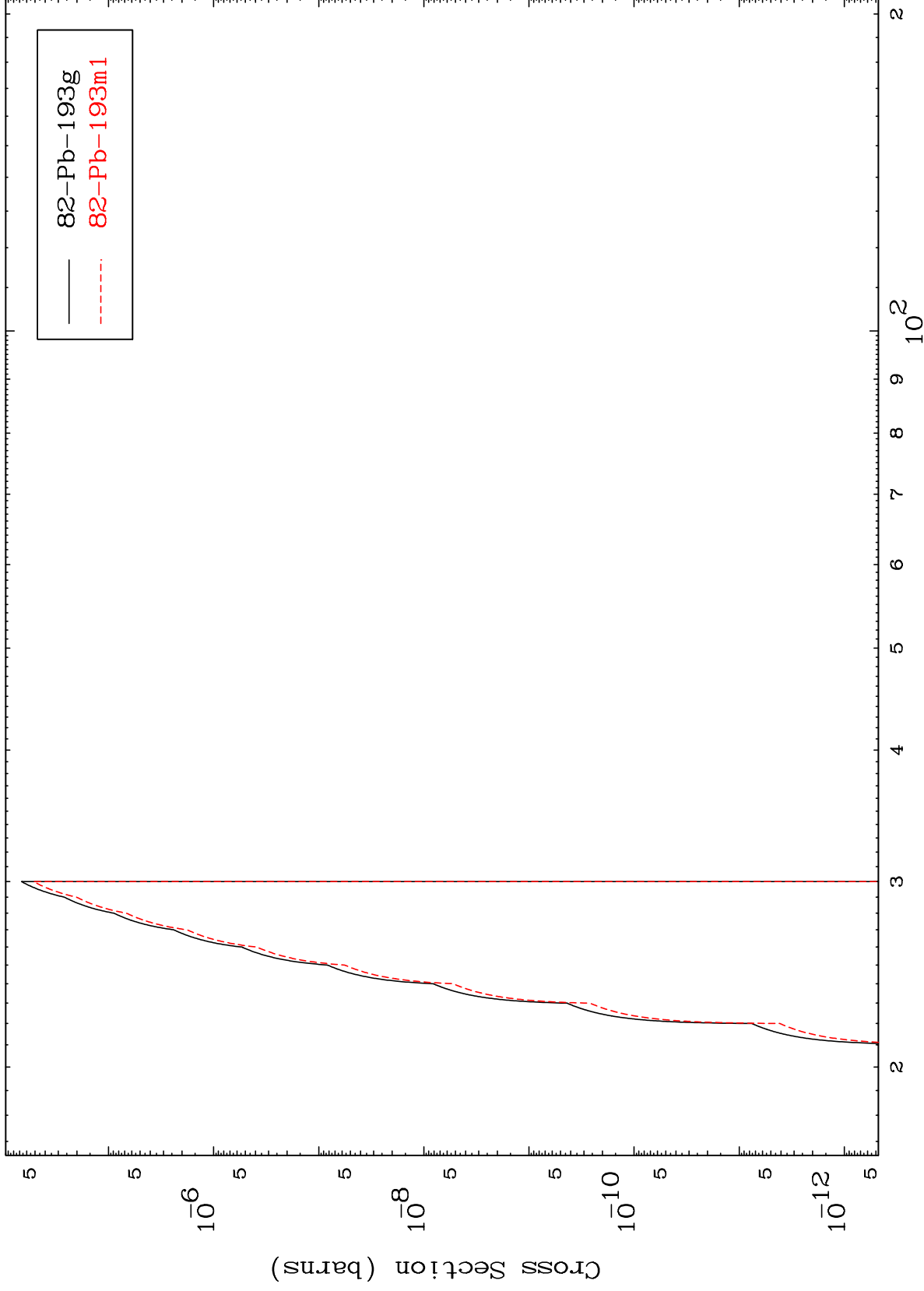
- 83-Bi-196g
- 83-Bi-196m2
- 83-Bi-196m3

MAT 8286

(n,2n) d

83-Bi-196

Radionuclide Production Cross Section



94

Incident Energy (MeV)

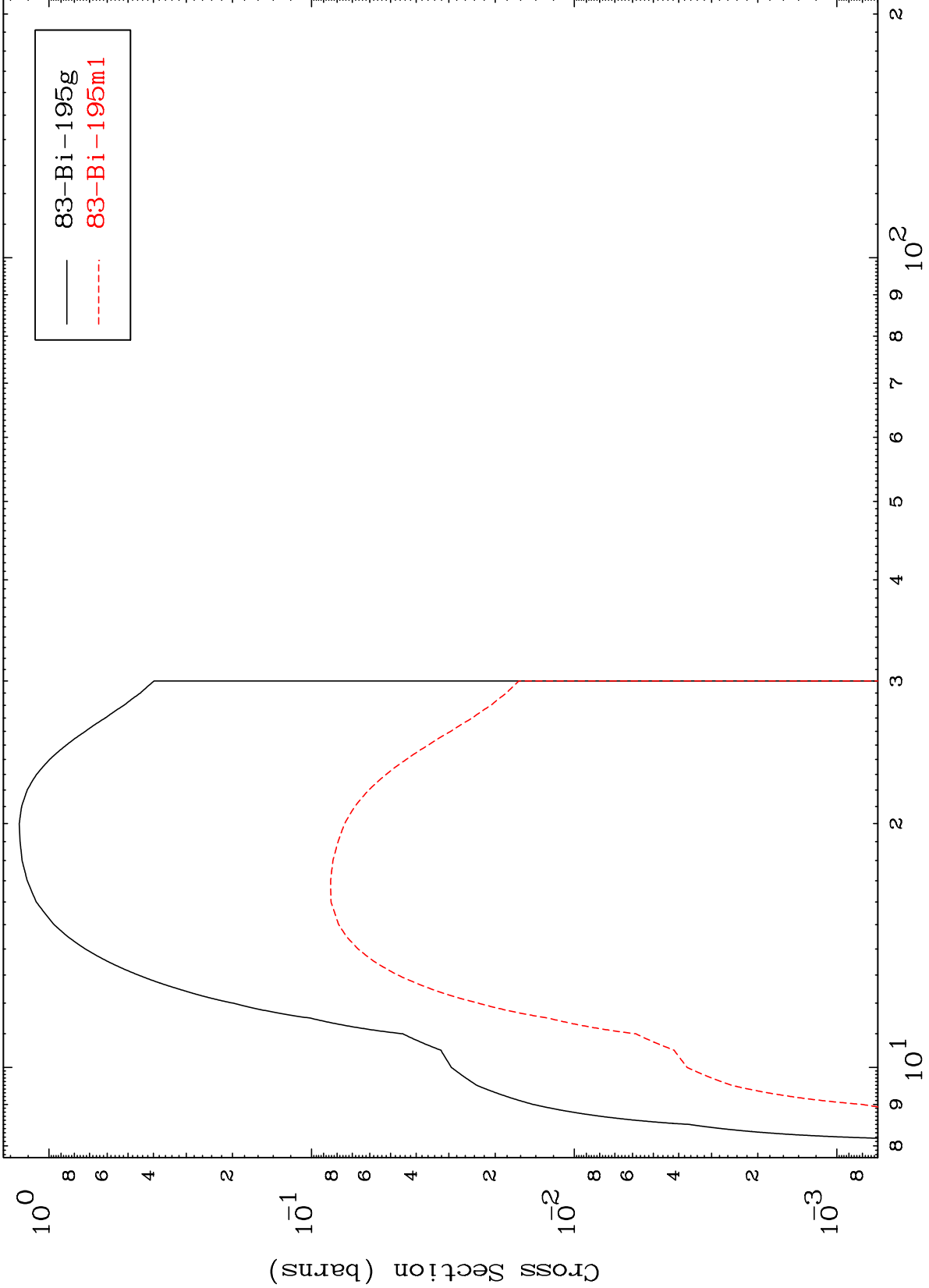
83-Bi-196

MAT 8286

(n,2n)

83-Bi-196

Radionuclide Production Cross Section



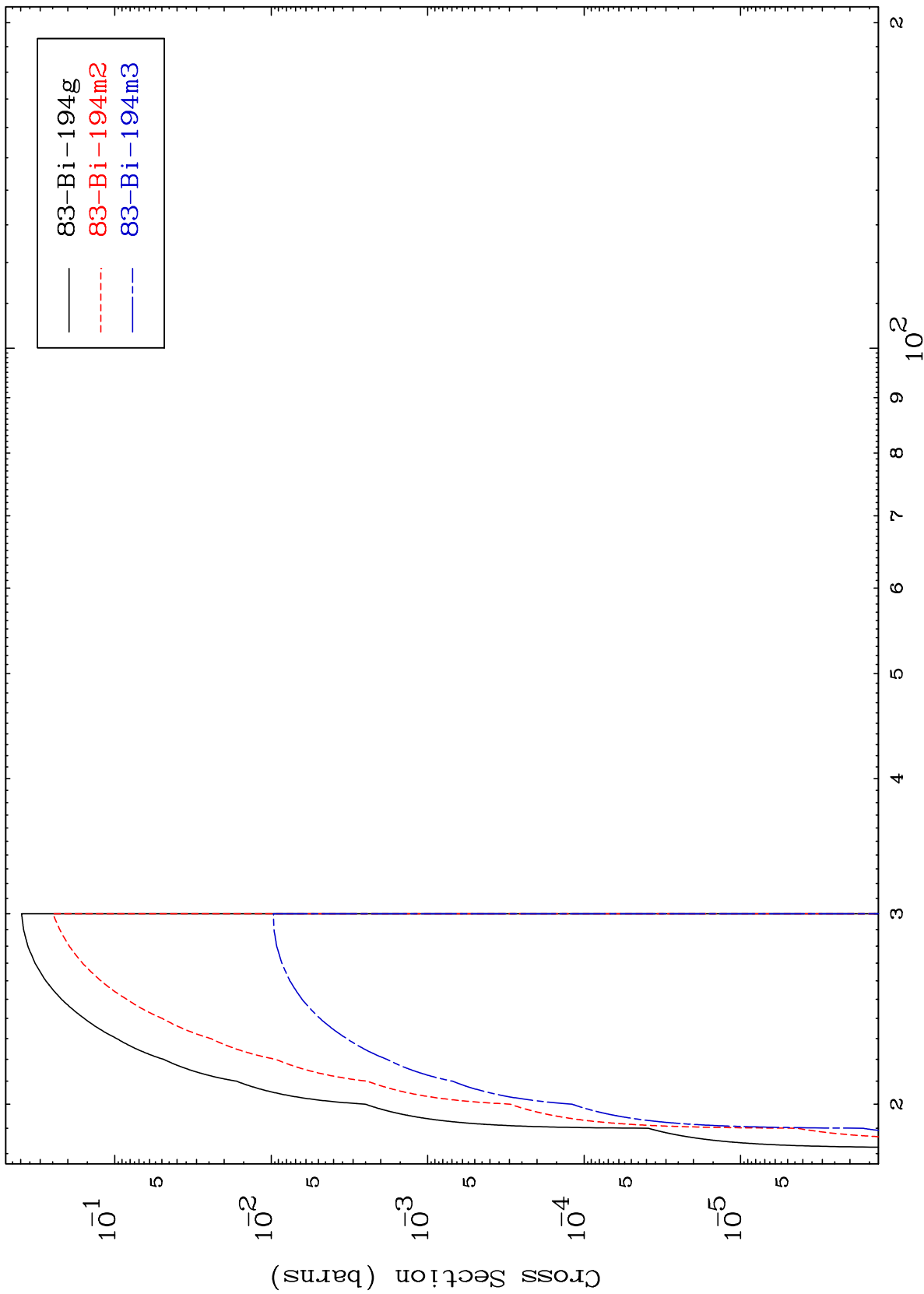
83-Bi-195g
83-Bi-195m1

95

Incident Energy (MeV)

83-Bi-196

(n,3n)
Radionuclide Production Cross Section

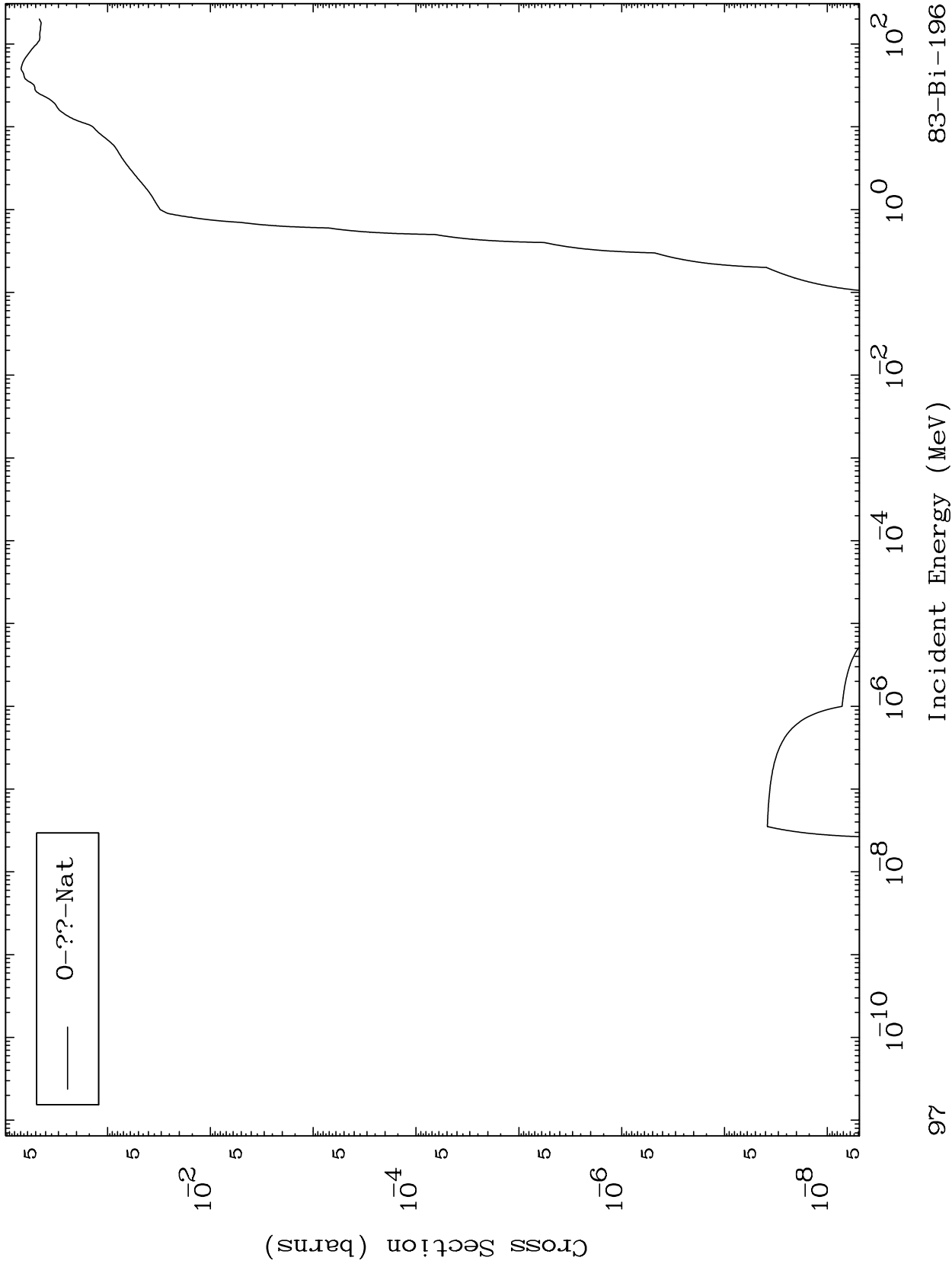


MAT 8286

Fission

83-Bi-196

Radionuclide Production Cross Section



97

Incident Energy (MeV)

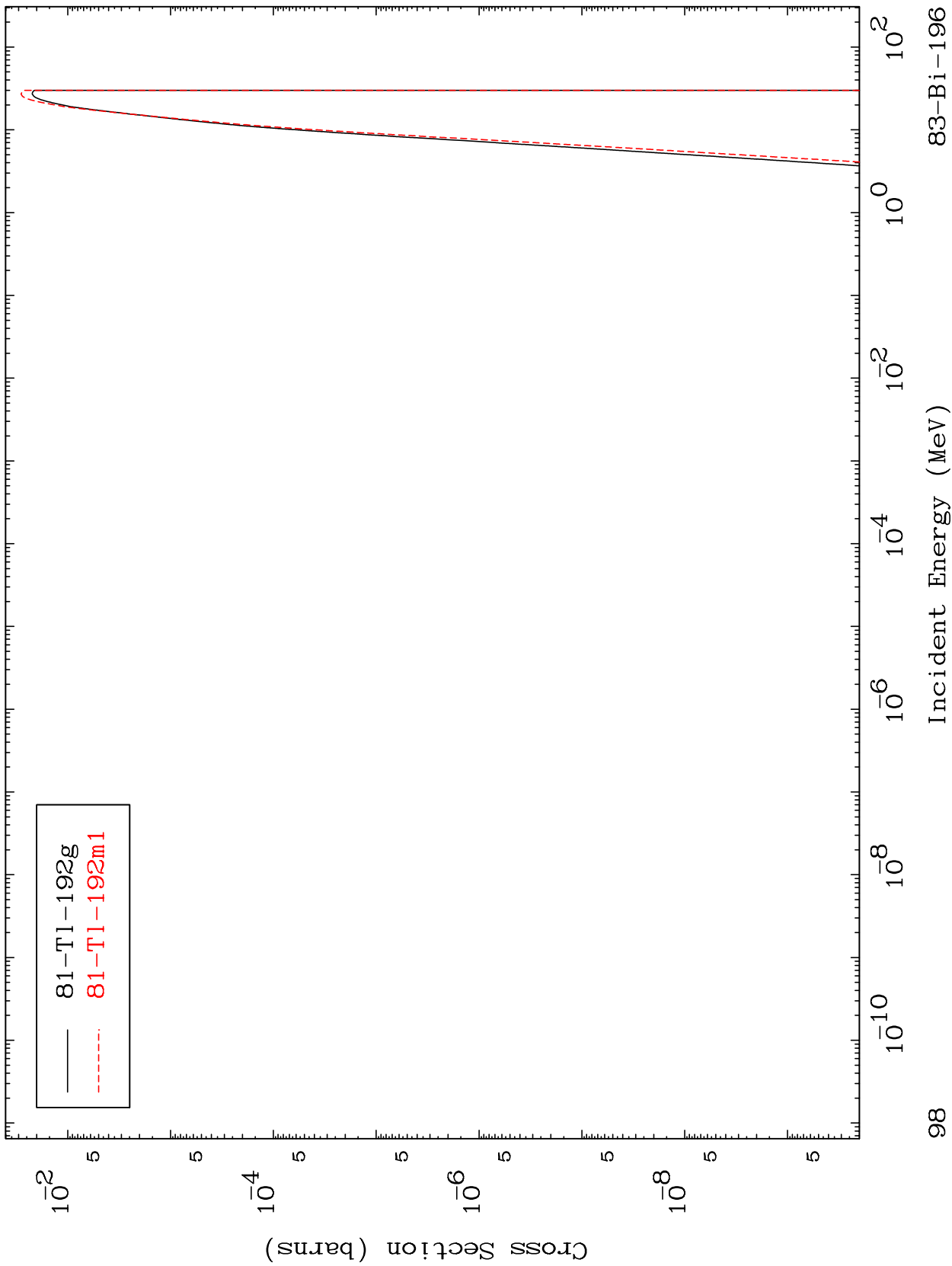
83-Bi-196

MAT 8286

$(n, n') \alpha$

83-Bi-196

Radionuclide Production Cross Section

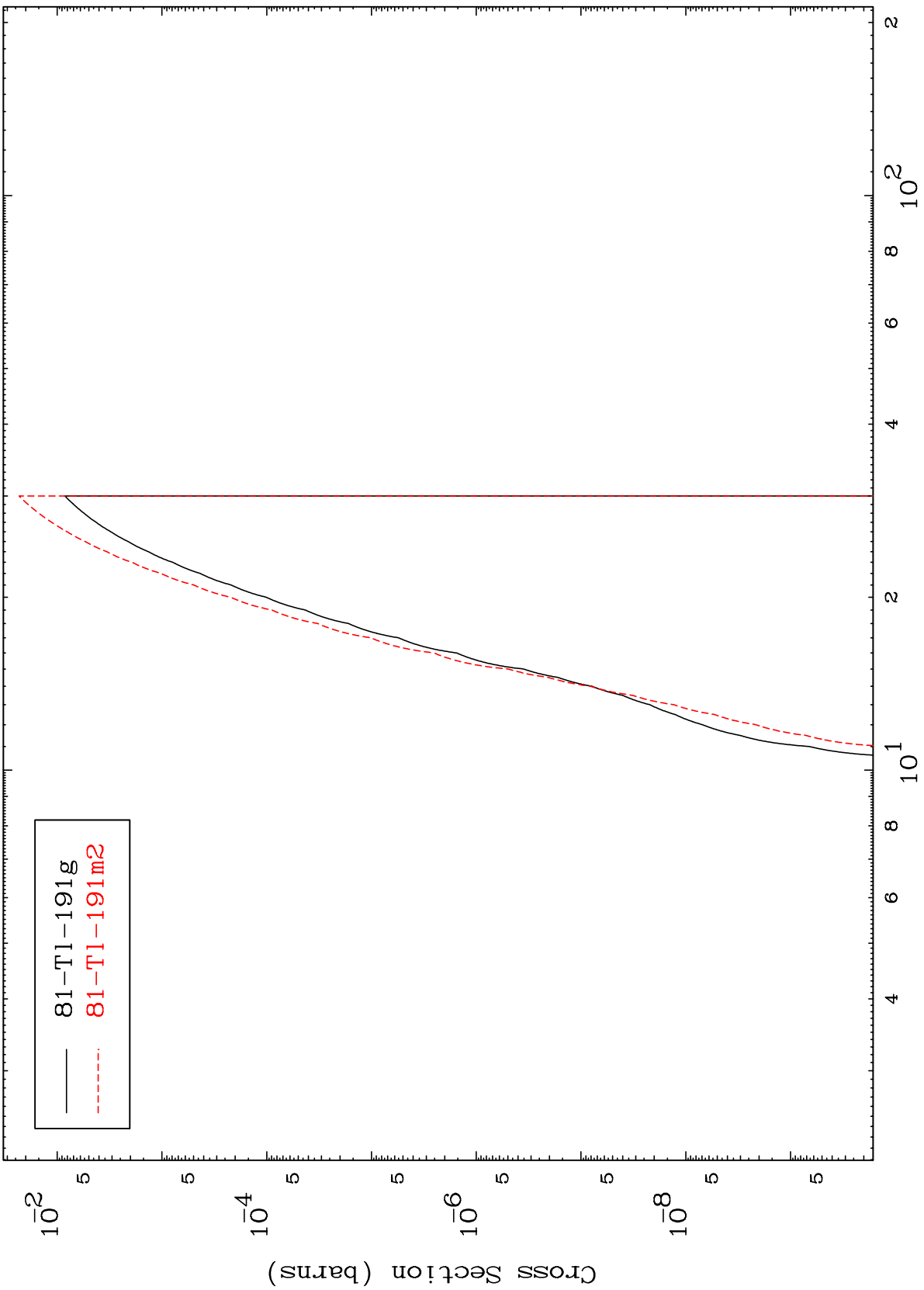


MAT 8286

(n,2n) α

83-Bi-196

Radionuclide Production Cross Section



81-Tl-191g
81-Tl-191m2

99

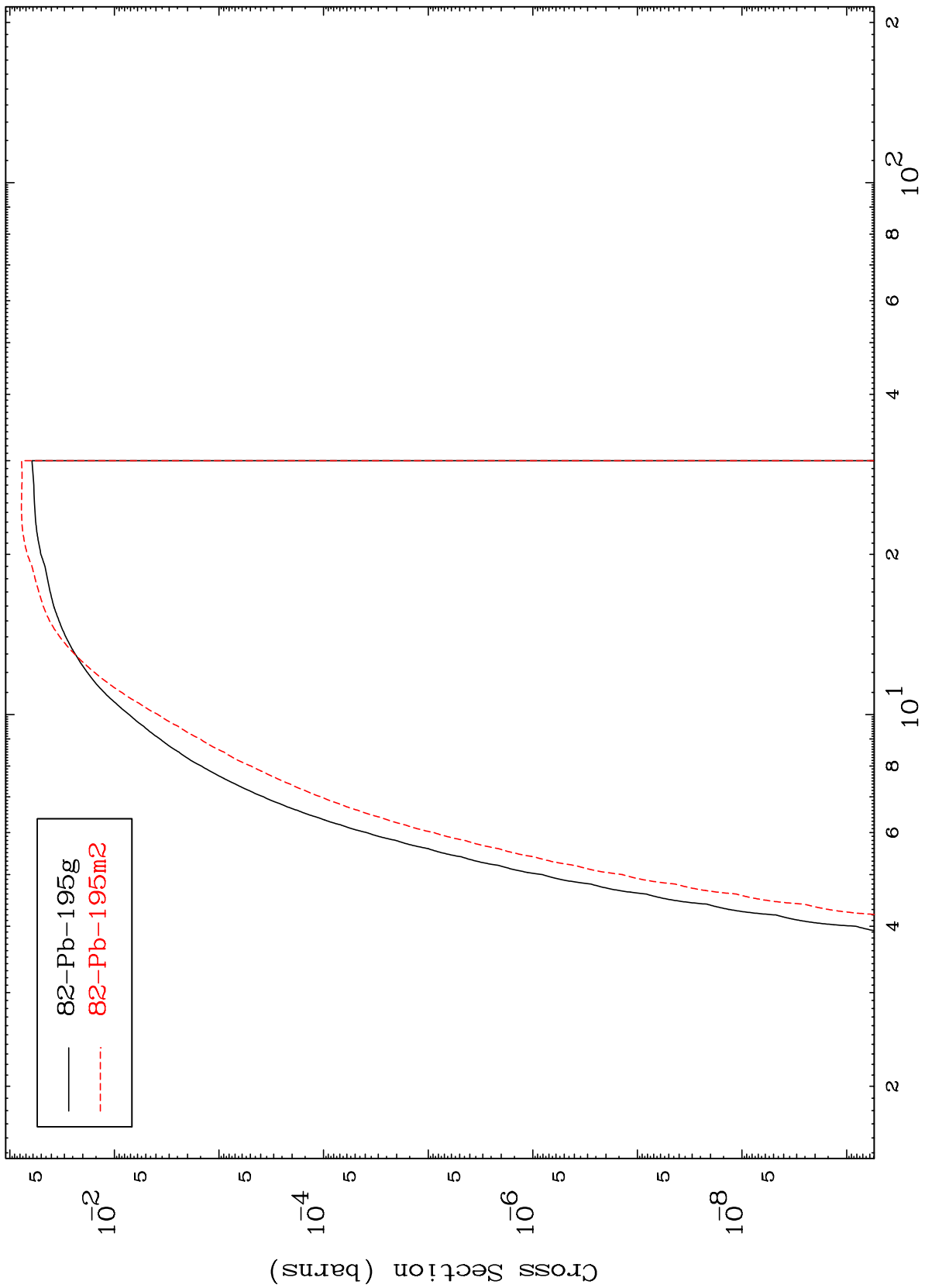
Incident Energy (MeV)

83-Bi-196

MAT 8286

83-Bi-196

(n,n') p
Radionuclide Production Cross Section



— 82-Pb-195g
- - - 82-Pb-195m2

83-Bi-196

Incident Energy (MeV)

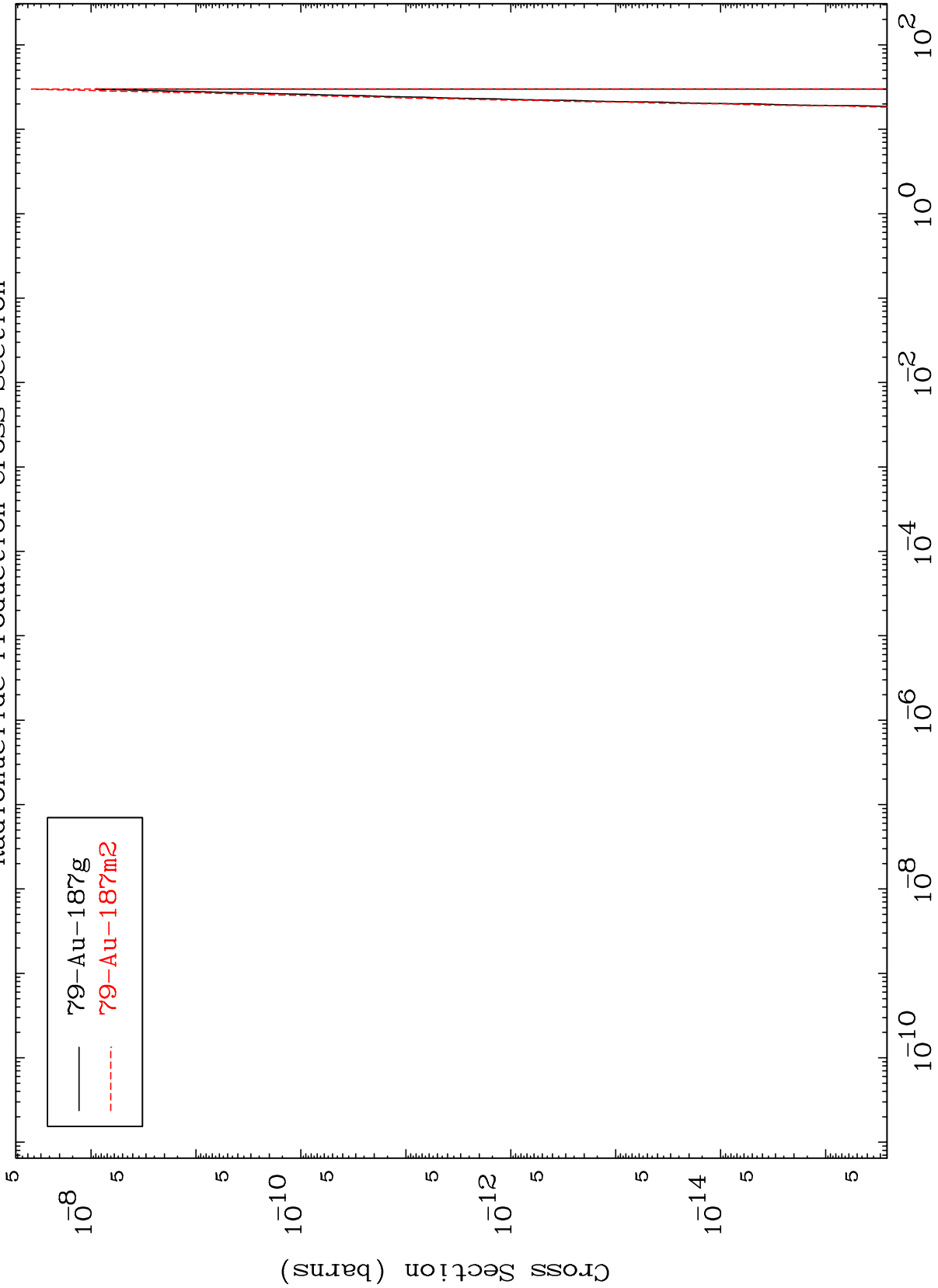
100

MAT 8286

(n,2n) 2 α

83-Bi-196

Radionuclide Production Cross Section



— ^{187}gAu
- - - $^{187}\text{m2Au}$

101

Incident Energy (MeV)

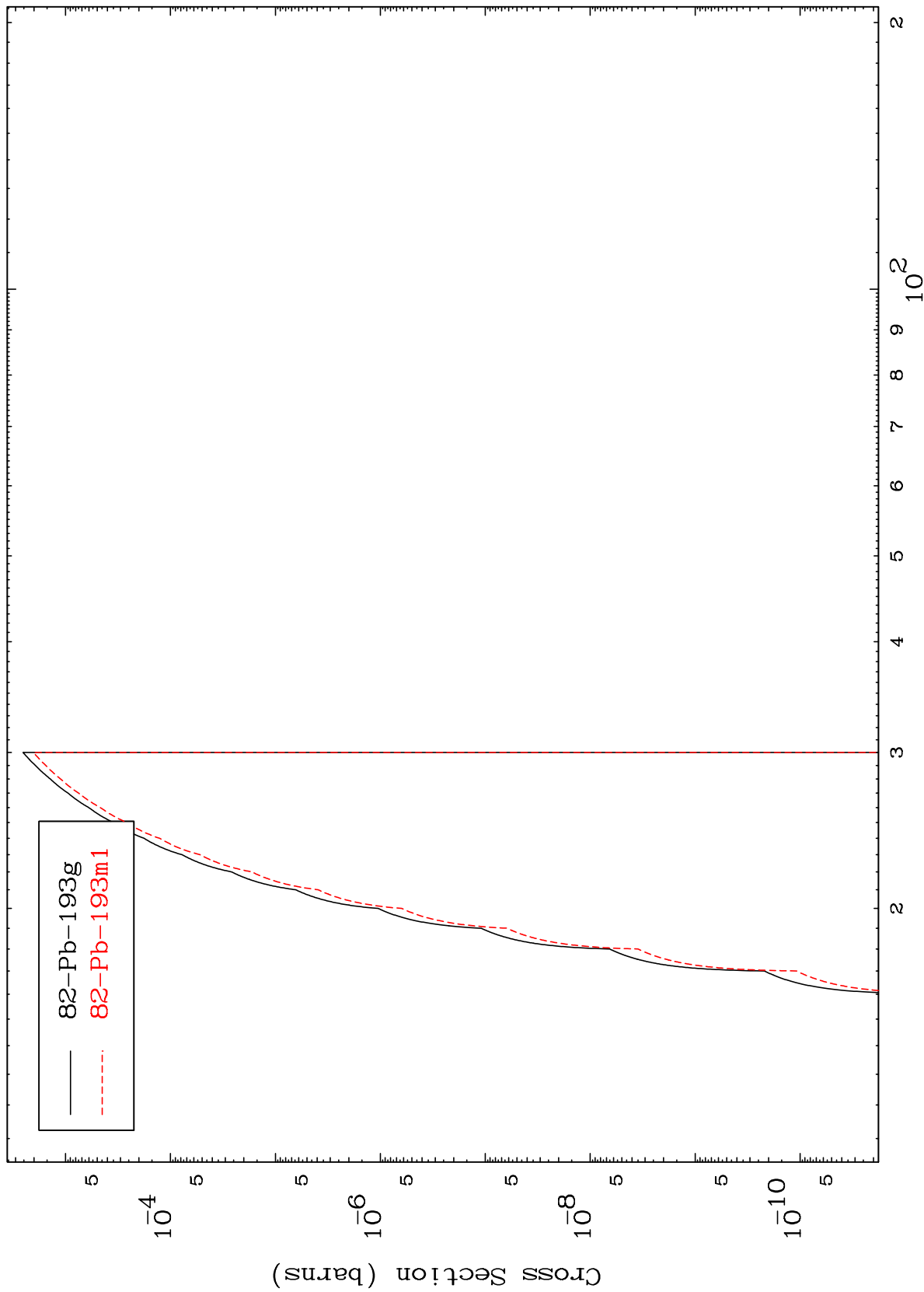
83-Bi-196

MAT 8286

(n,n') t

83-Bi-196

Radionuclide Production Cross Section



102

Incident Energy (MeV)

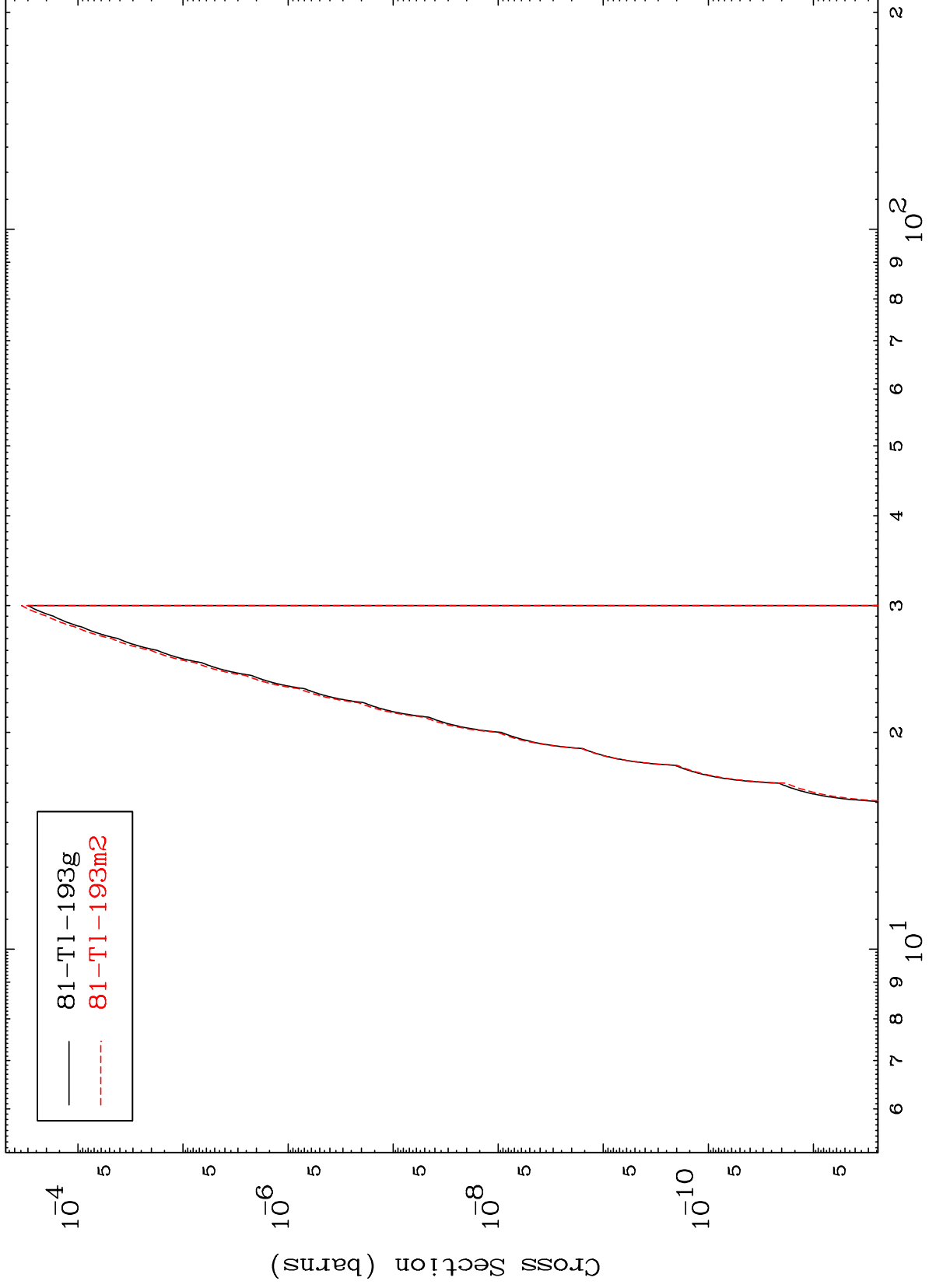
83-Bi-196

MAT 8286

(n,n') He-3

83-Bi-196

Radionuclide Production Cross Section



81-Tl-193g
81-Tl-193m2

103

Incident Energy (MeV)

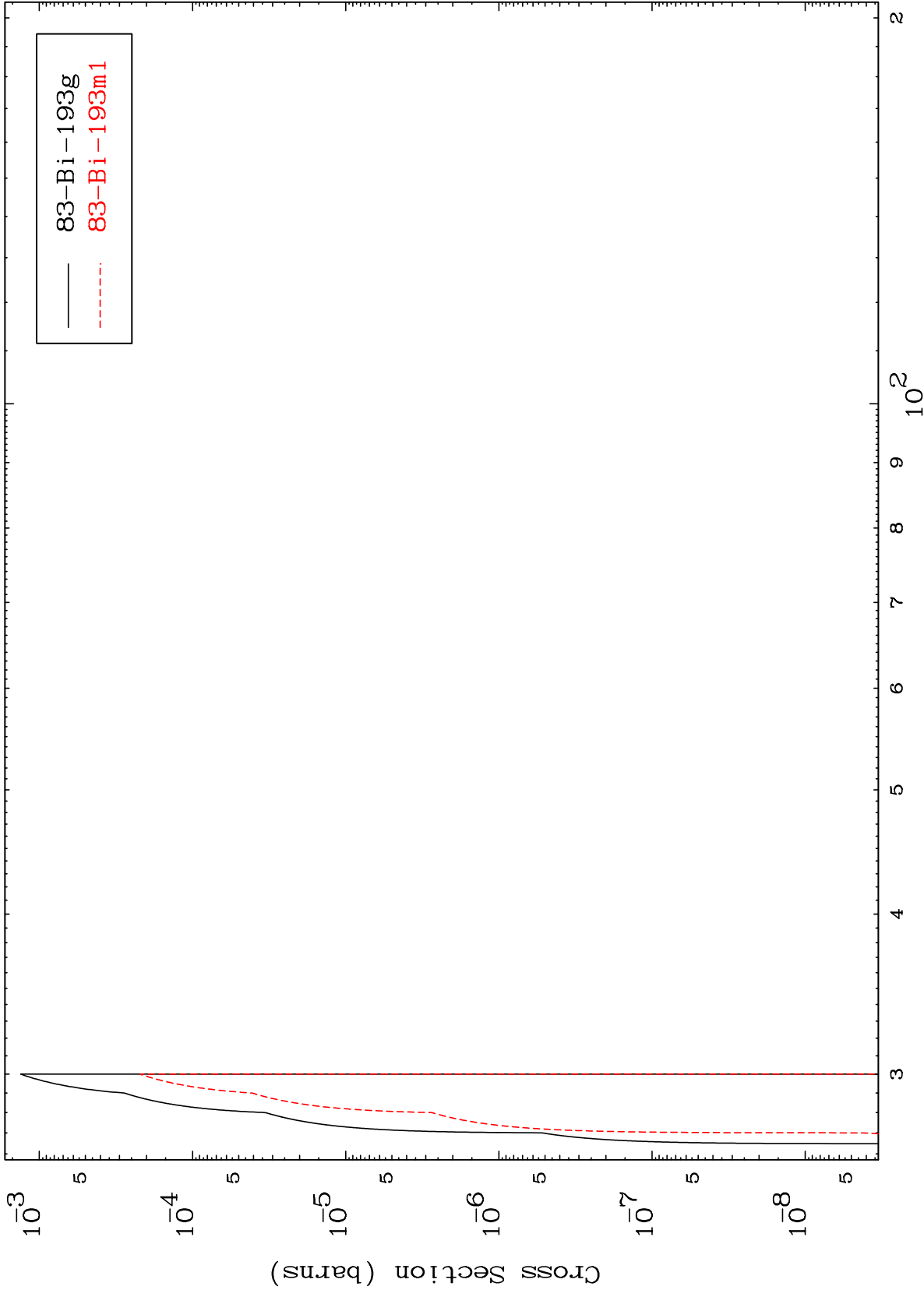
83-Bi-196

MAT 8286

(n,4n)

83-Bi-196

Radionuclide Production Cross Section



104

Incident Energy (MeV)

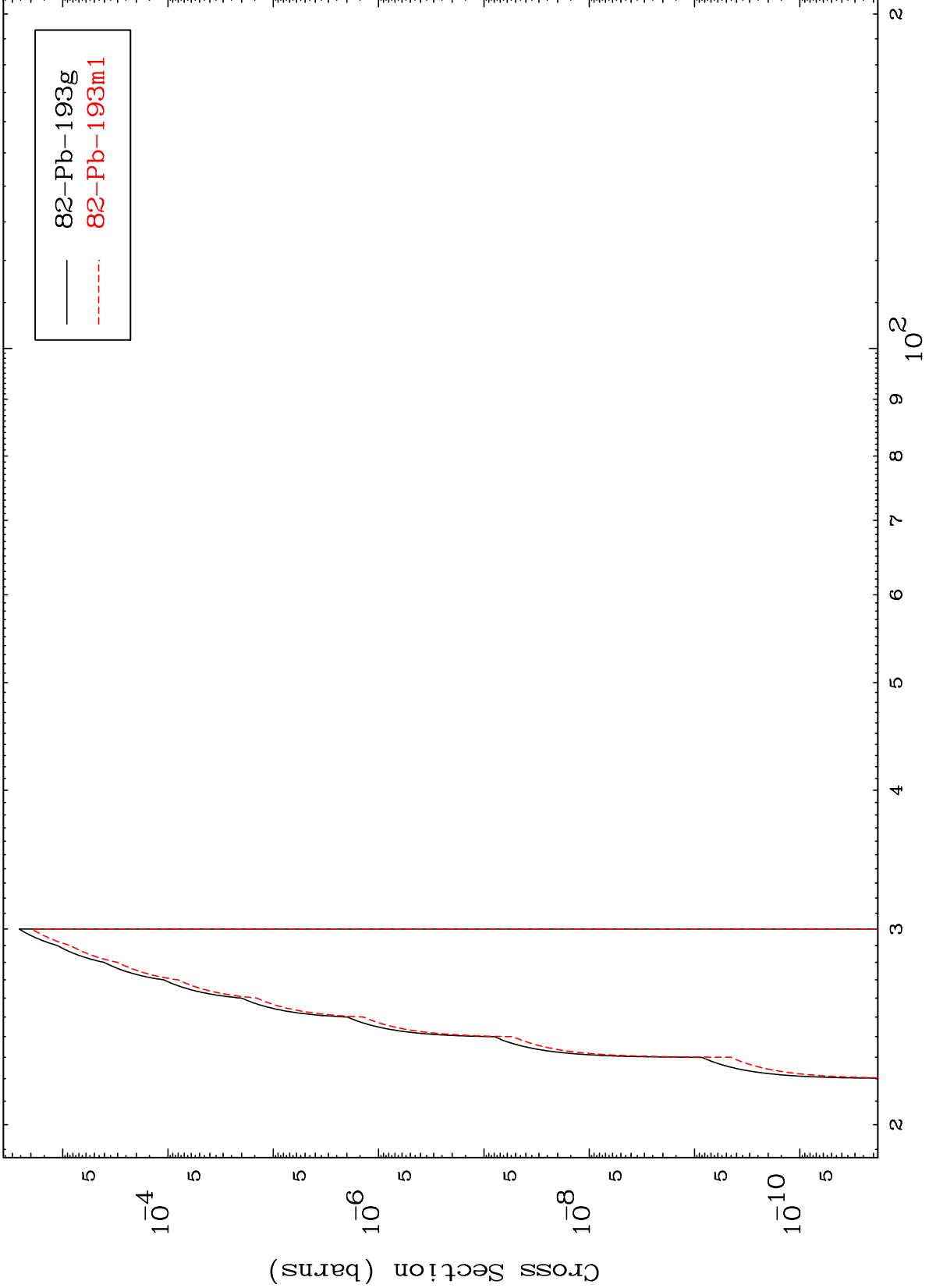
83-Bi-196

MAT 8286

(n,3n) p

83-Bi-196

Radionuclide Production Cross Section



105

Incident Energy (MeV)

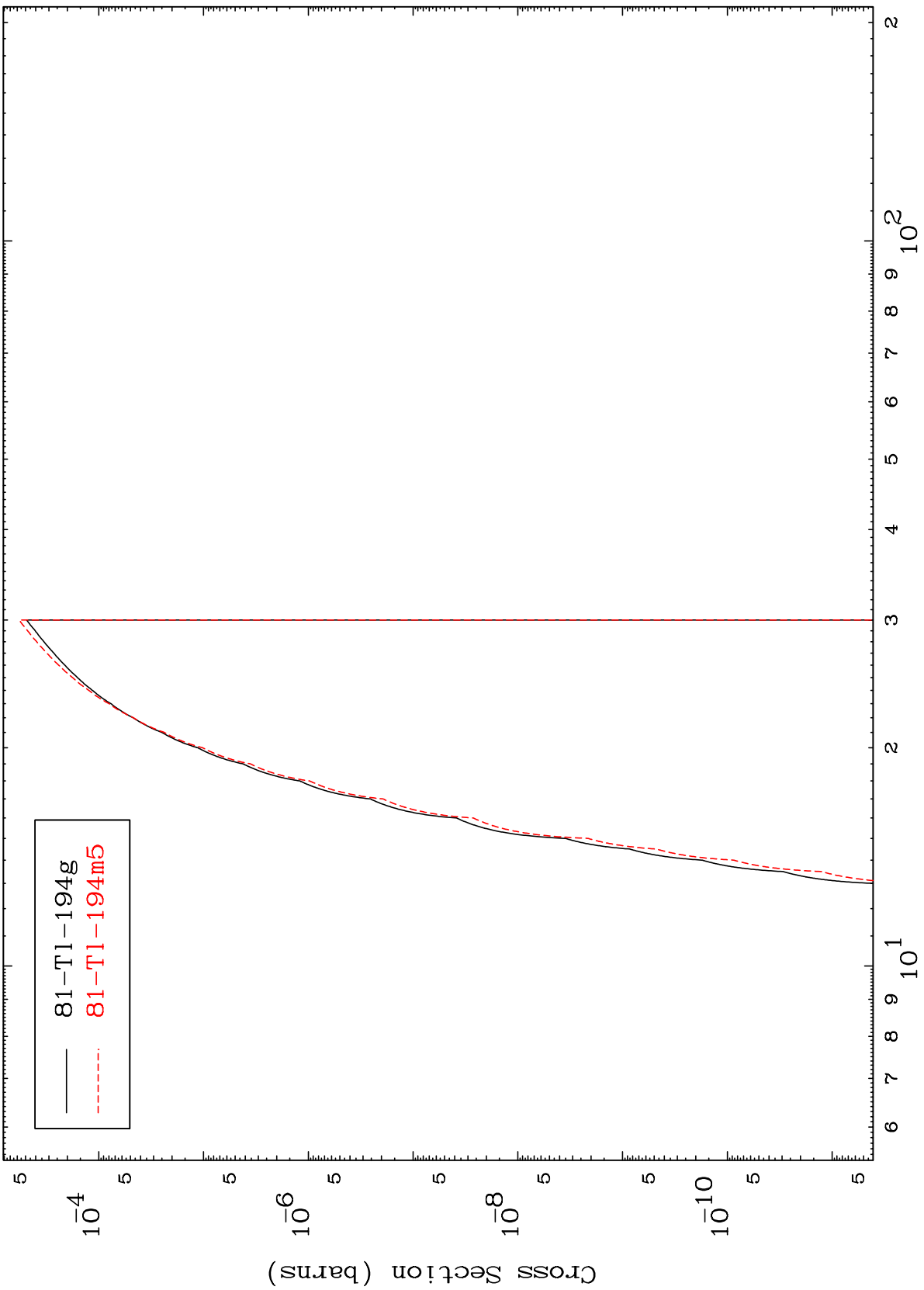
83-Bi-196

MAT 8286

(n,2n) p

83-Bi-196

Radionuclide Production Cross Section



106

Incident Energy (MeV)

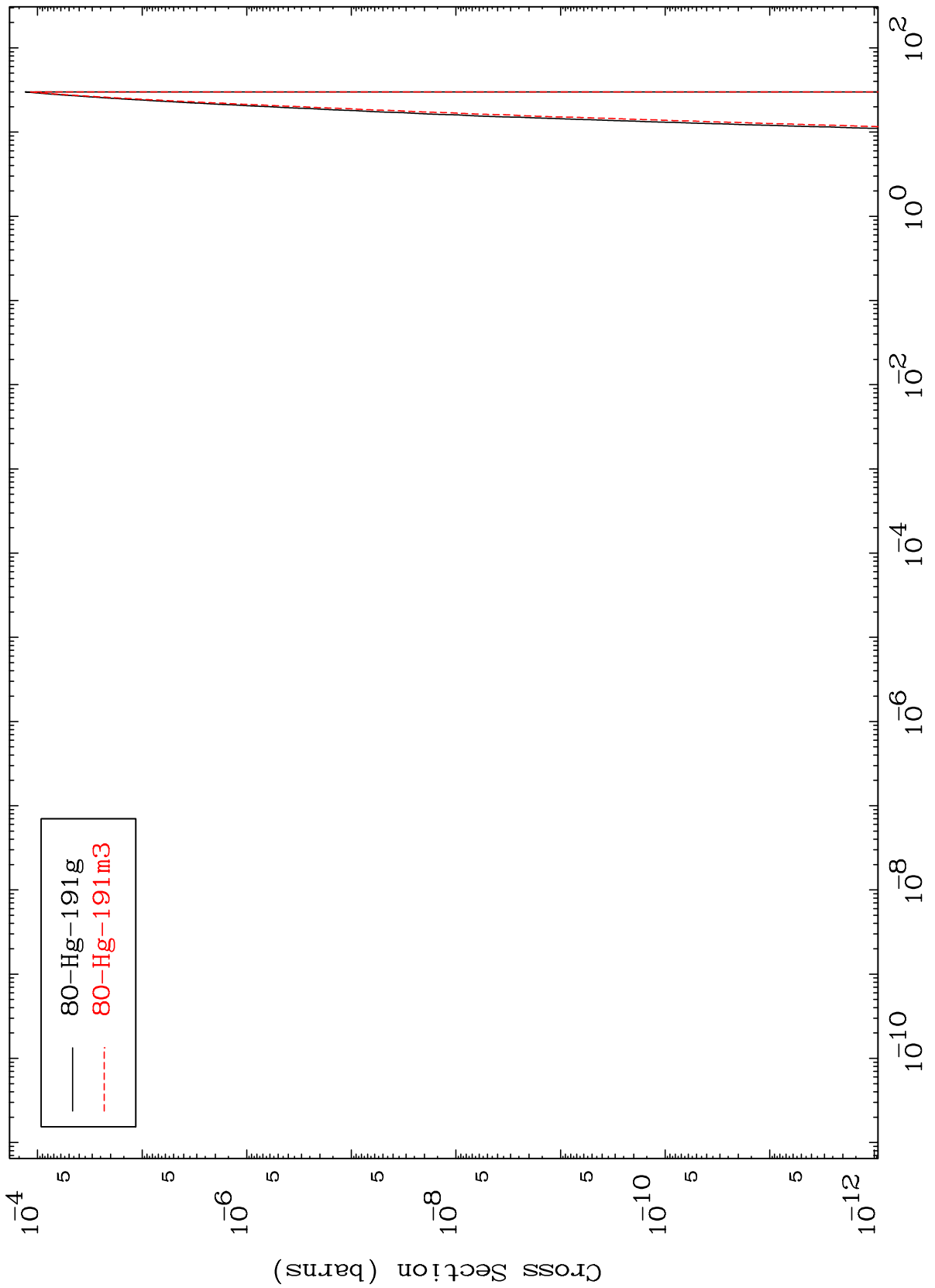
83-Bi-196

MAT 8286

(n,n') p α

83-Bi-196

Radionuclide Production Cross Section



80-Hg-191g
80-Hg-191m3

107

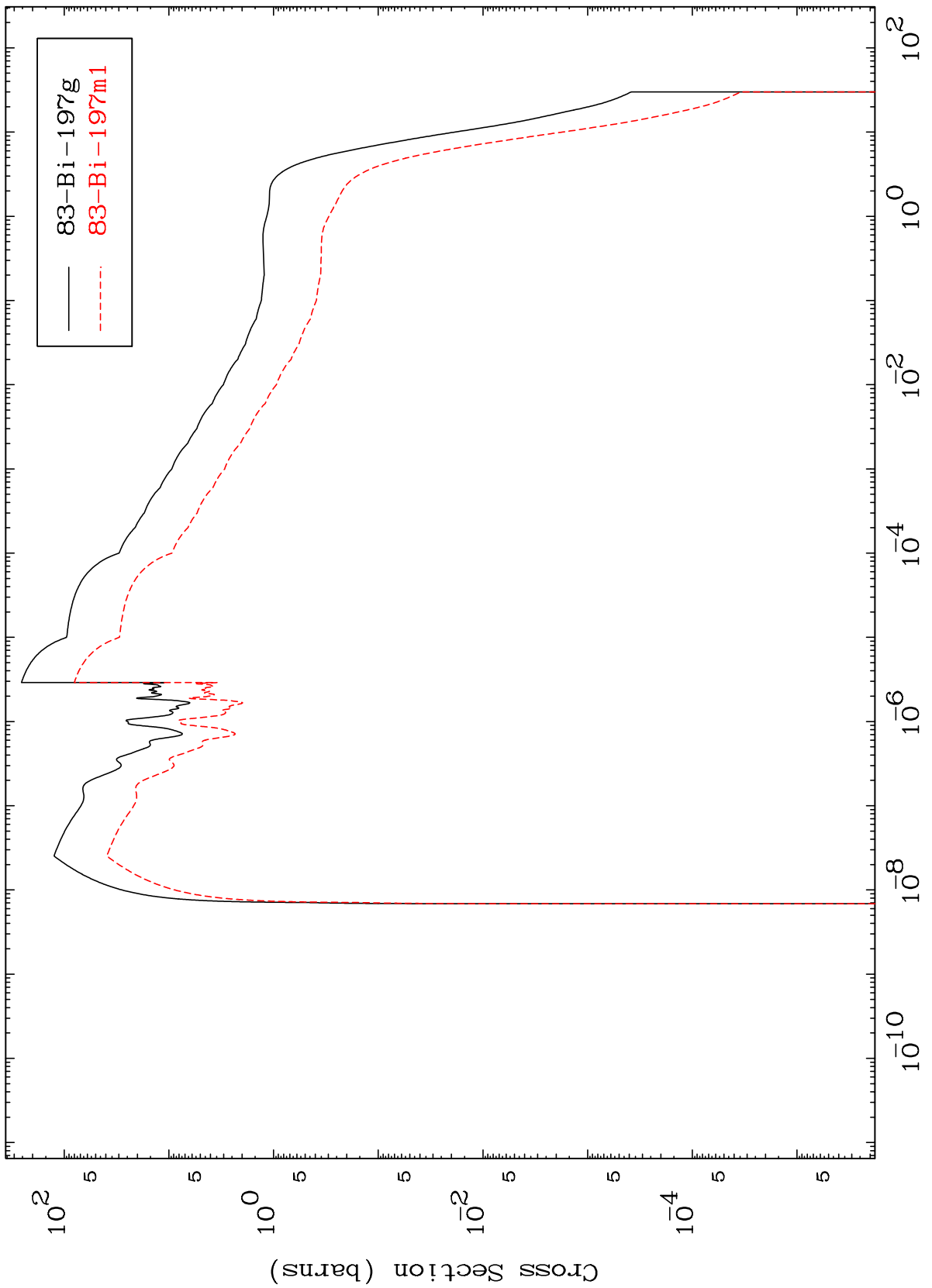
Incident Energy (MeV)

83-Bi-196

MAT 8286

83-Bi-196

(n, γ)
Radionuclide Production Cross Section



108

83-Bi-196

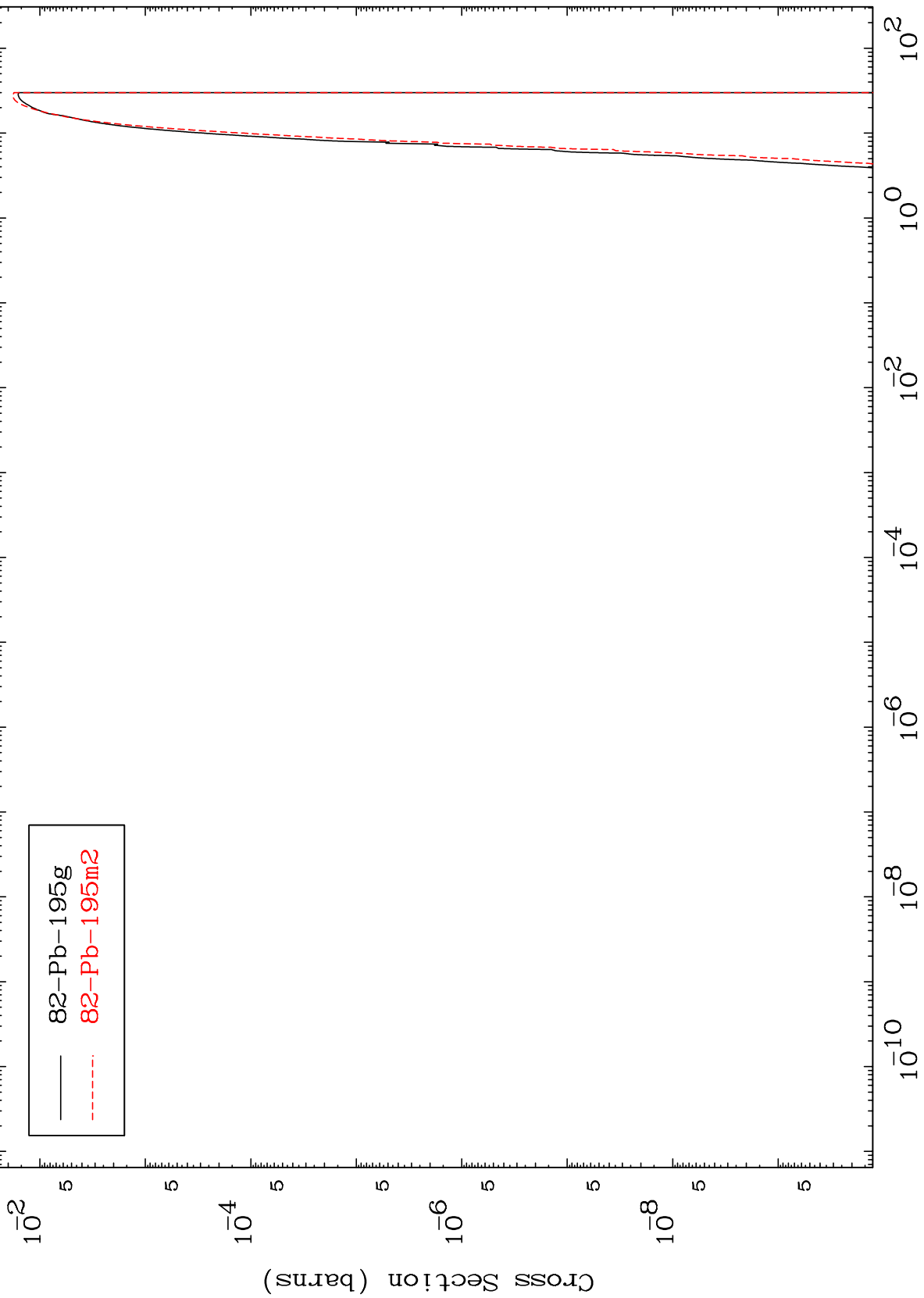
Incident Energy (MeV)

MAT 8286

(n,d)

83-Bi-196

Radionuclide Production Cross Section



109

Incident Energy (MeV)

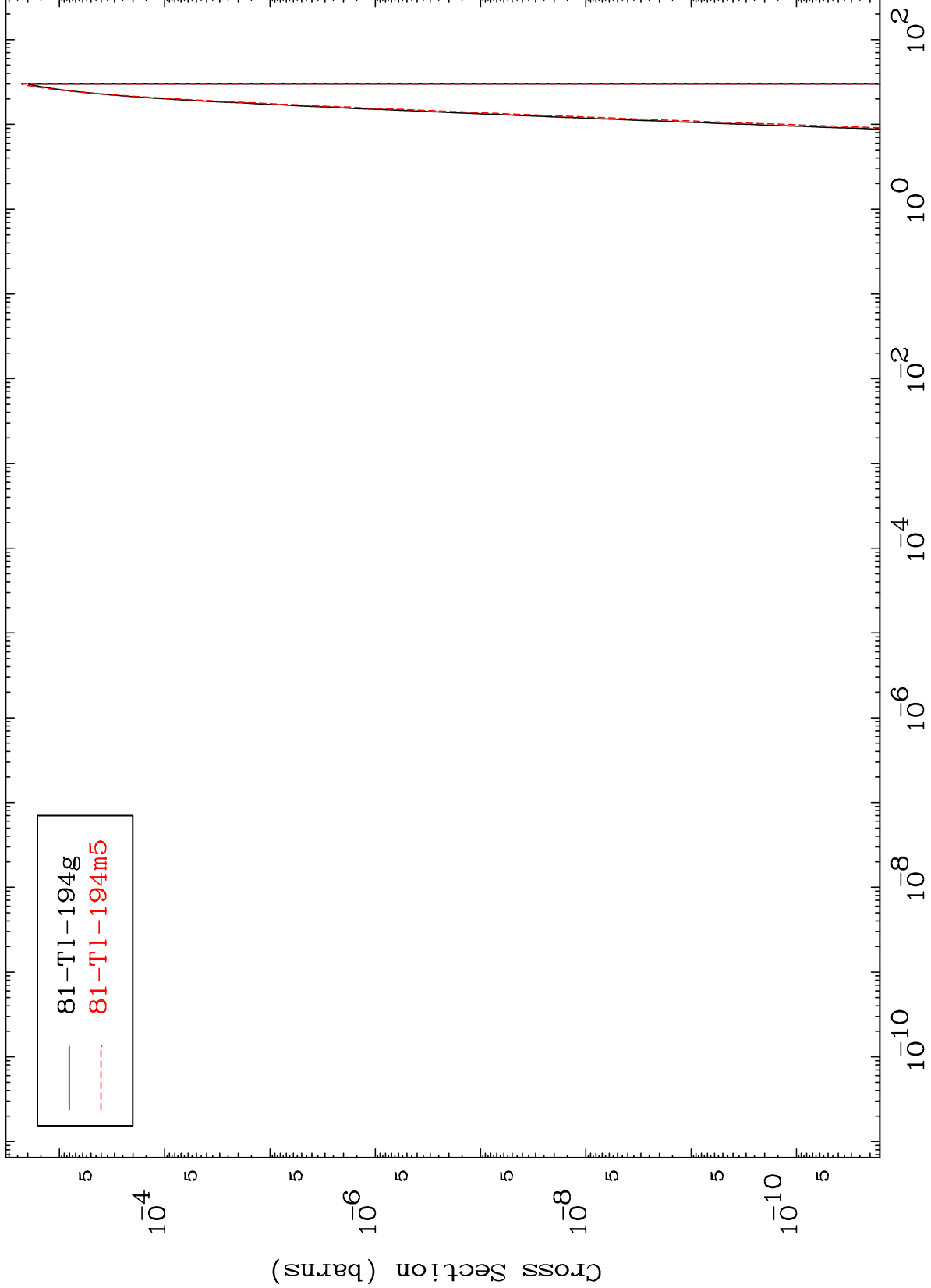
83-Bi-196

MAT 8286

(n,He-3)

83-Bi-196

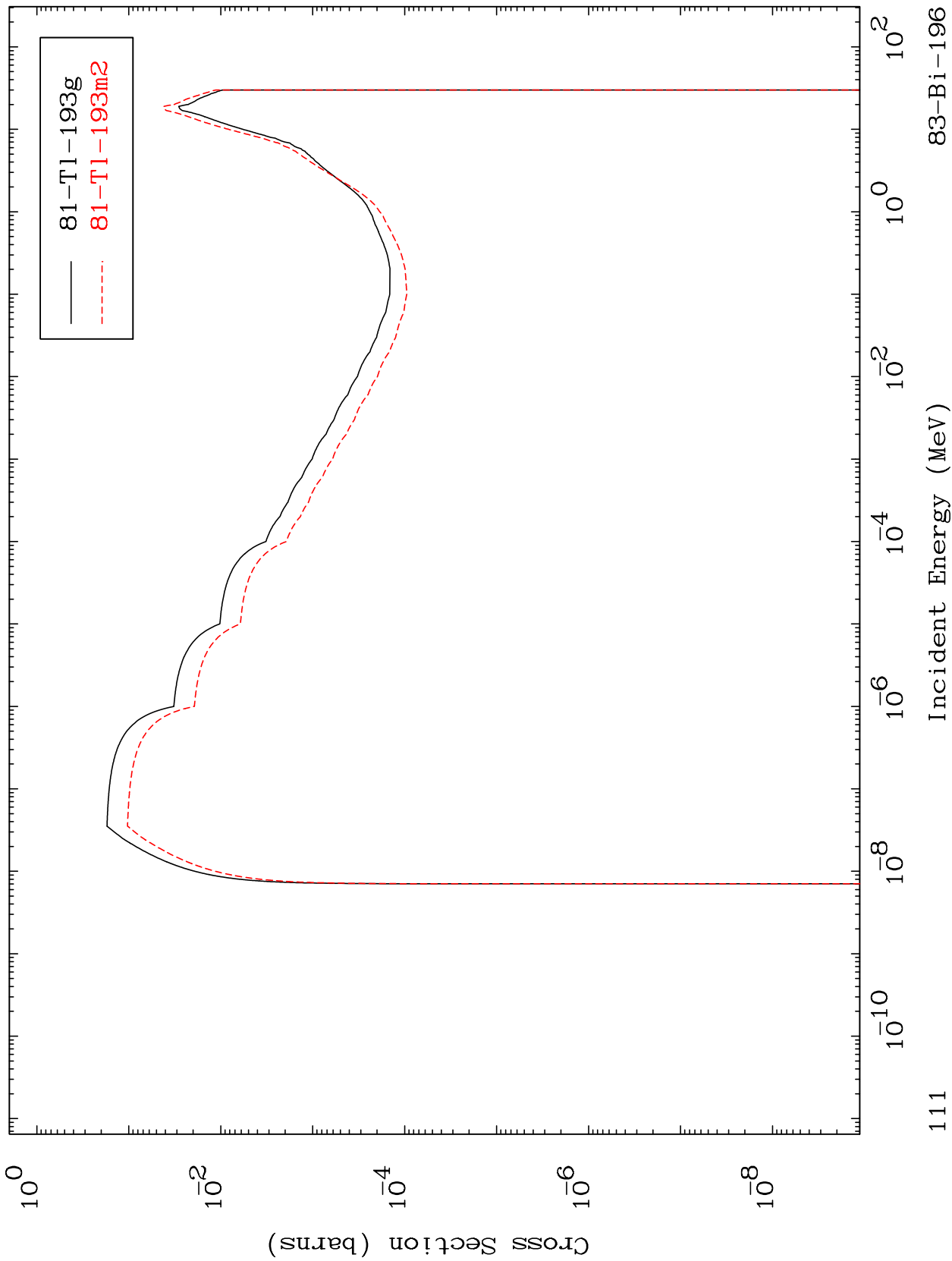
Radionuclide Production Cross Section



MAT 8286

83-Bi-196

(n, α)
Radionuclide Production Cross Section



111

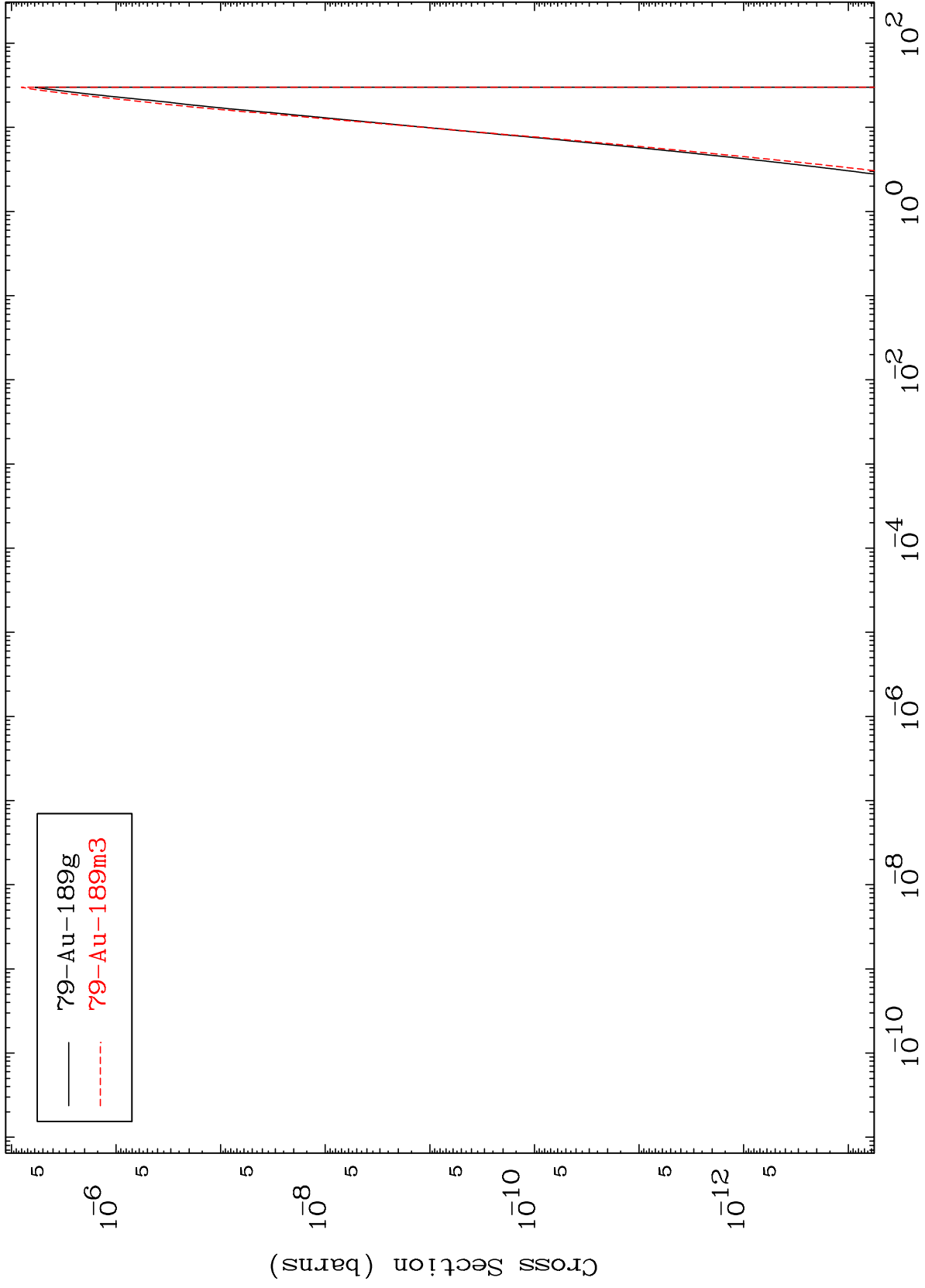
83-Bi-196

MAT 8286

(n,2α)

83-Bi-196

Radionuclide Production Cross Section



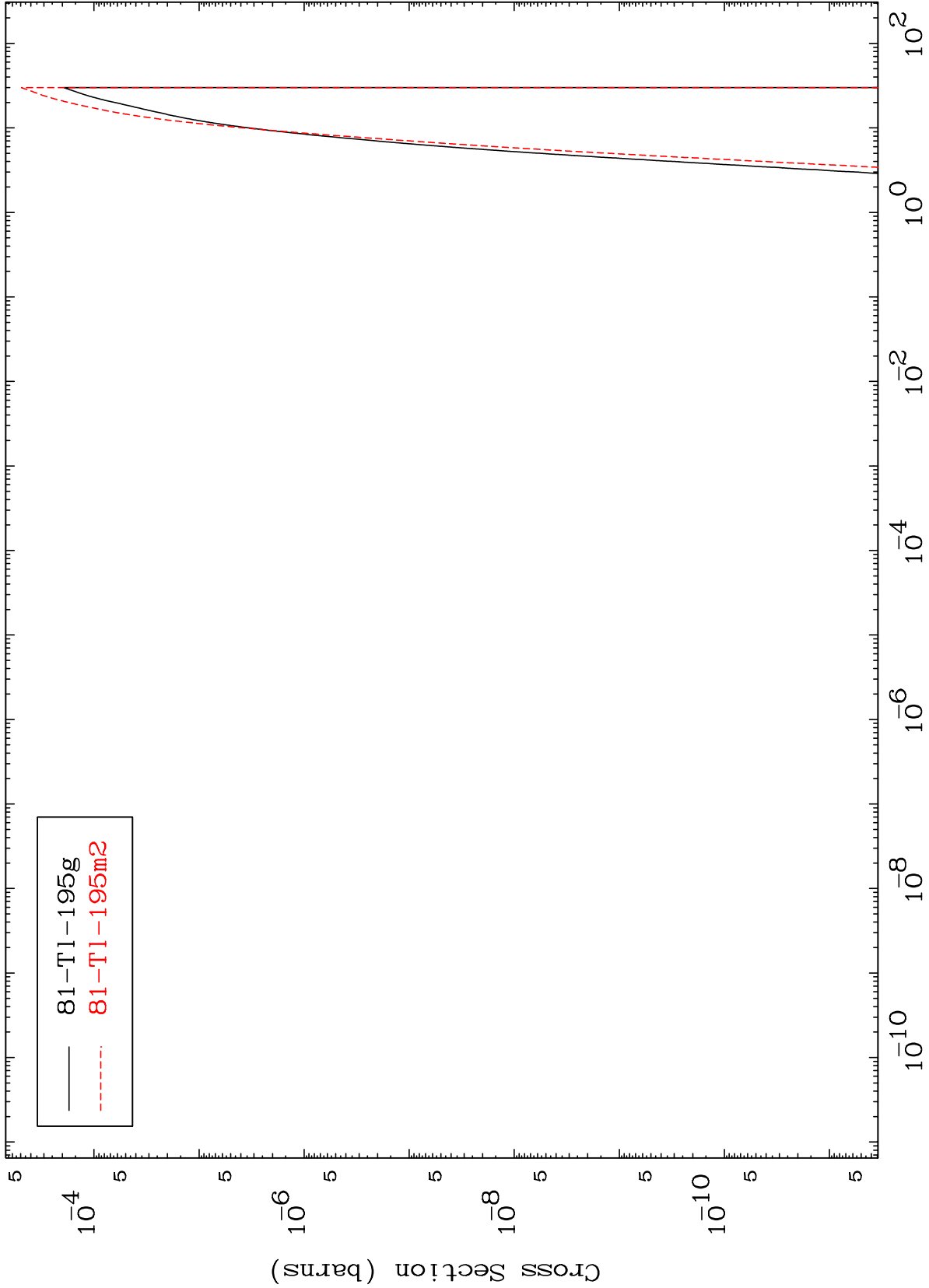
83-Bi-196

MAT 8286

(n,2p)

83-Bi-196

Radionuclide Production Cross Section



113

Incident Energy (MeV)

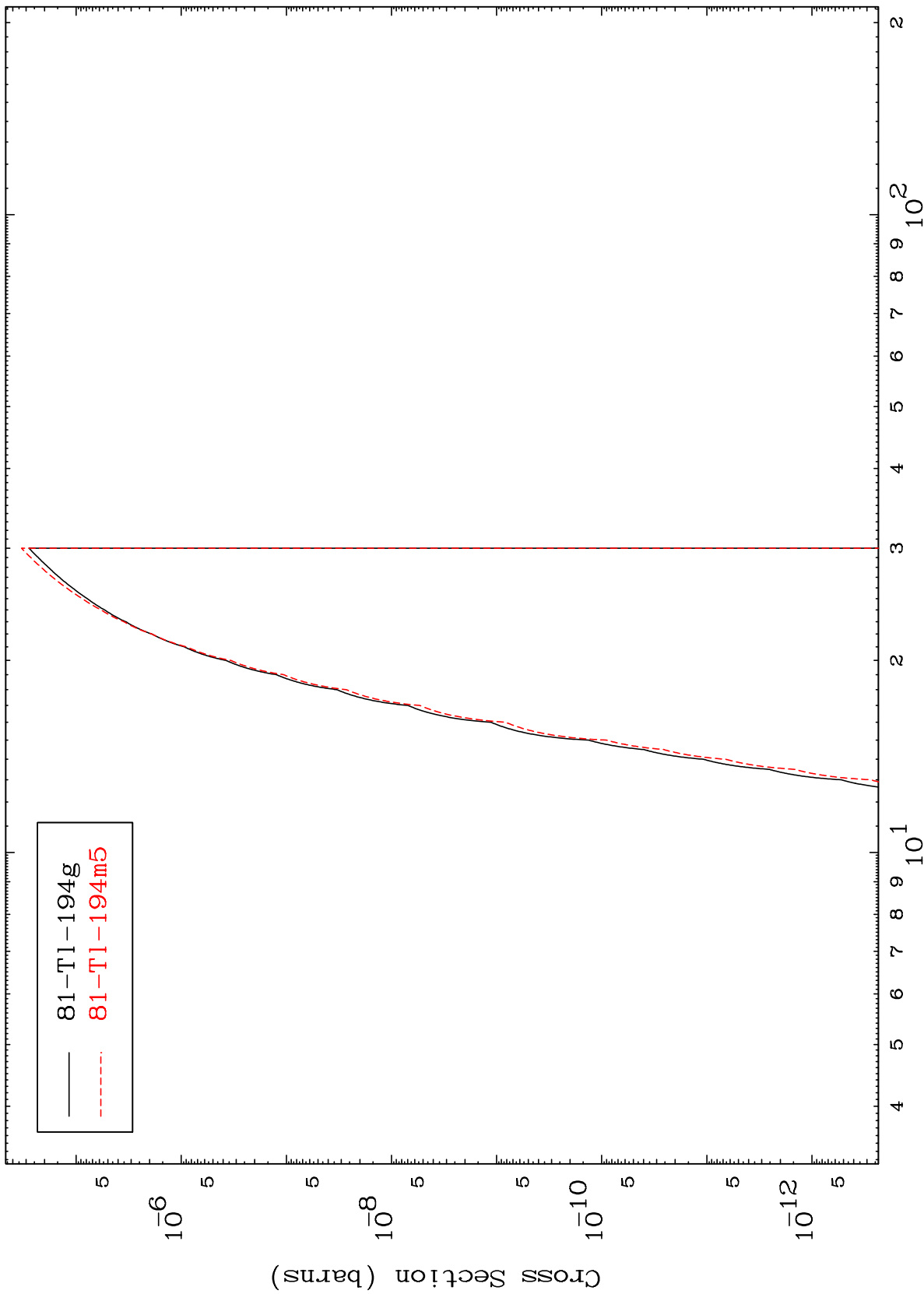
83-Bi-196

MAT 8286

(n,p) d

83-Bi-196

Radionuclide Production Cross Section



81-Tl-194g
81-Tl-194m5

114

Incident Energy (MeV)

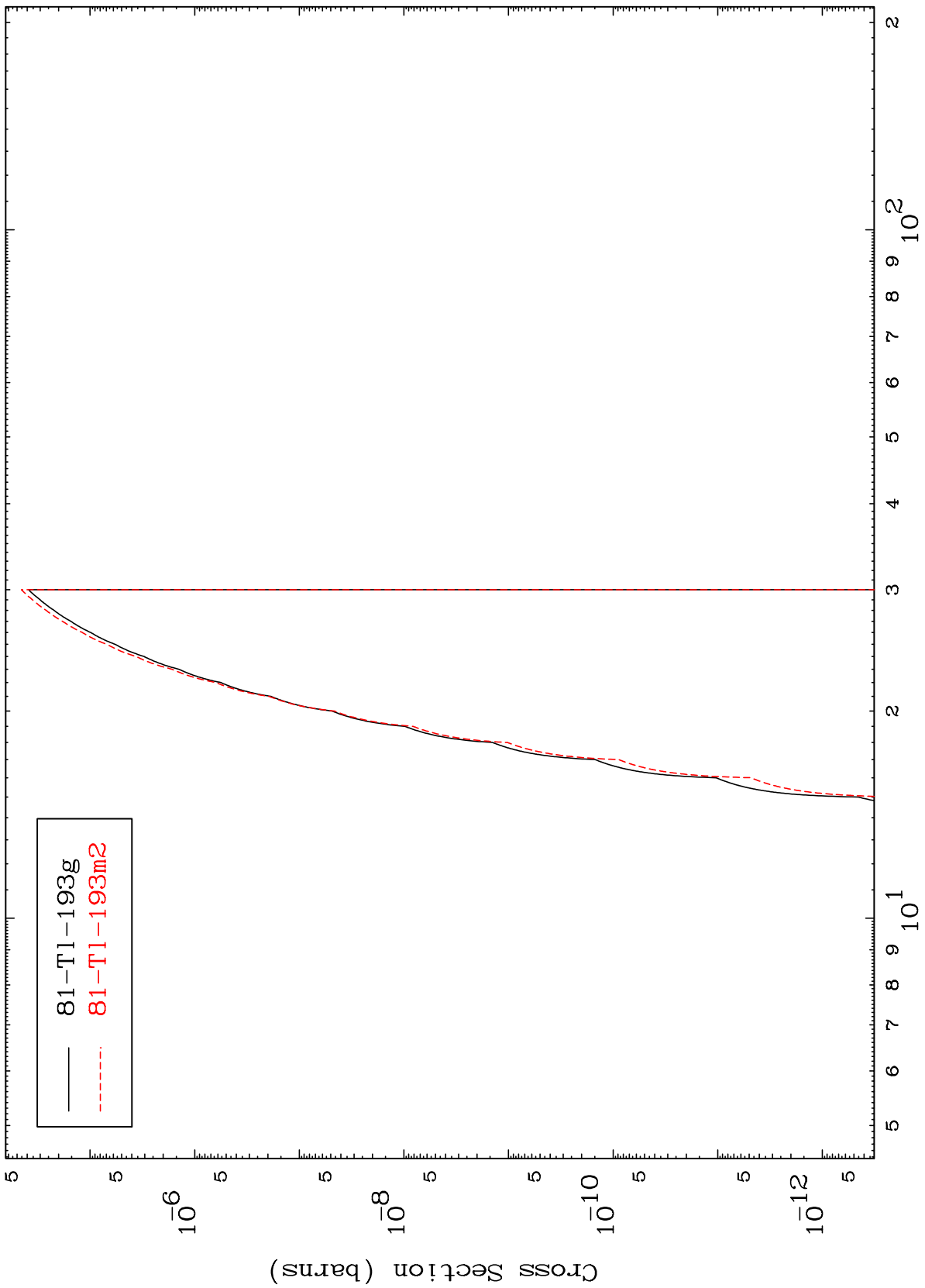
83-Bi-196

MAT 8286

(n,p) t

83-Bi-196

Radionuclide Production Cross Section



115

Incident Energy (MeV)

83-Bi-196

MAT 8286

(n,d) α

83-Bi-196

