

Program EVALPLOT
(Version 2021-1)

by

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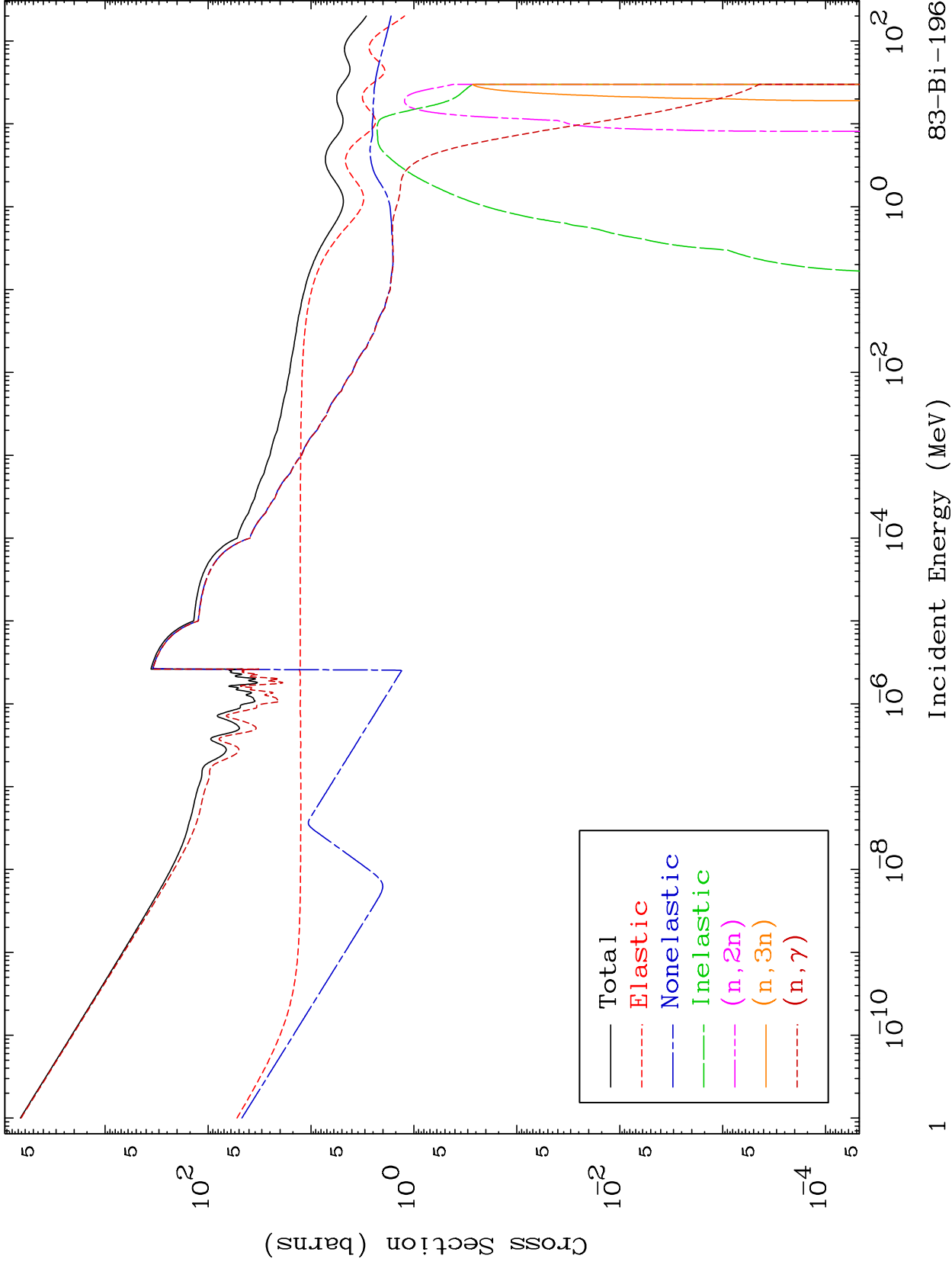
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Press Mouse Button to Start

MAT 8286

Neutron Major
293 Kelvin Cross Sections

83-Bi-196

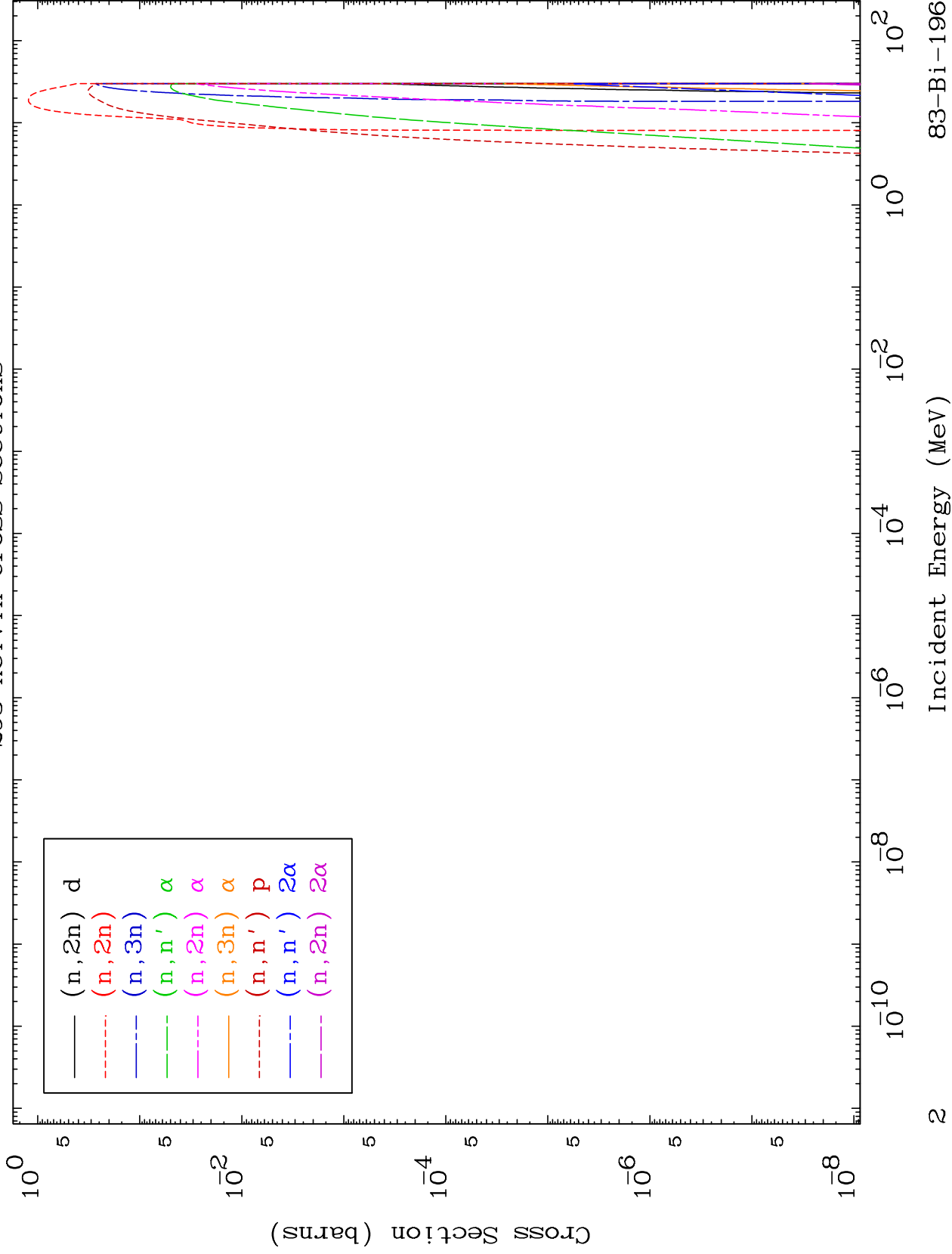


83-Bi-196

MAT 8286

Neutron Absorption
293 Kelvin Cross Sections

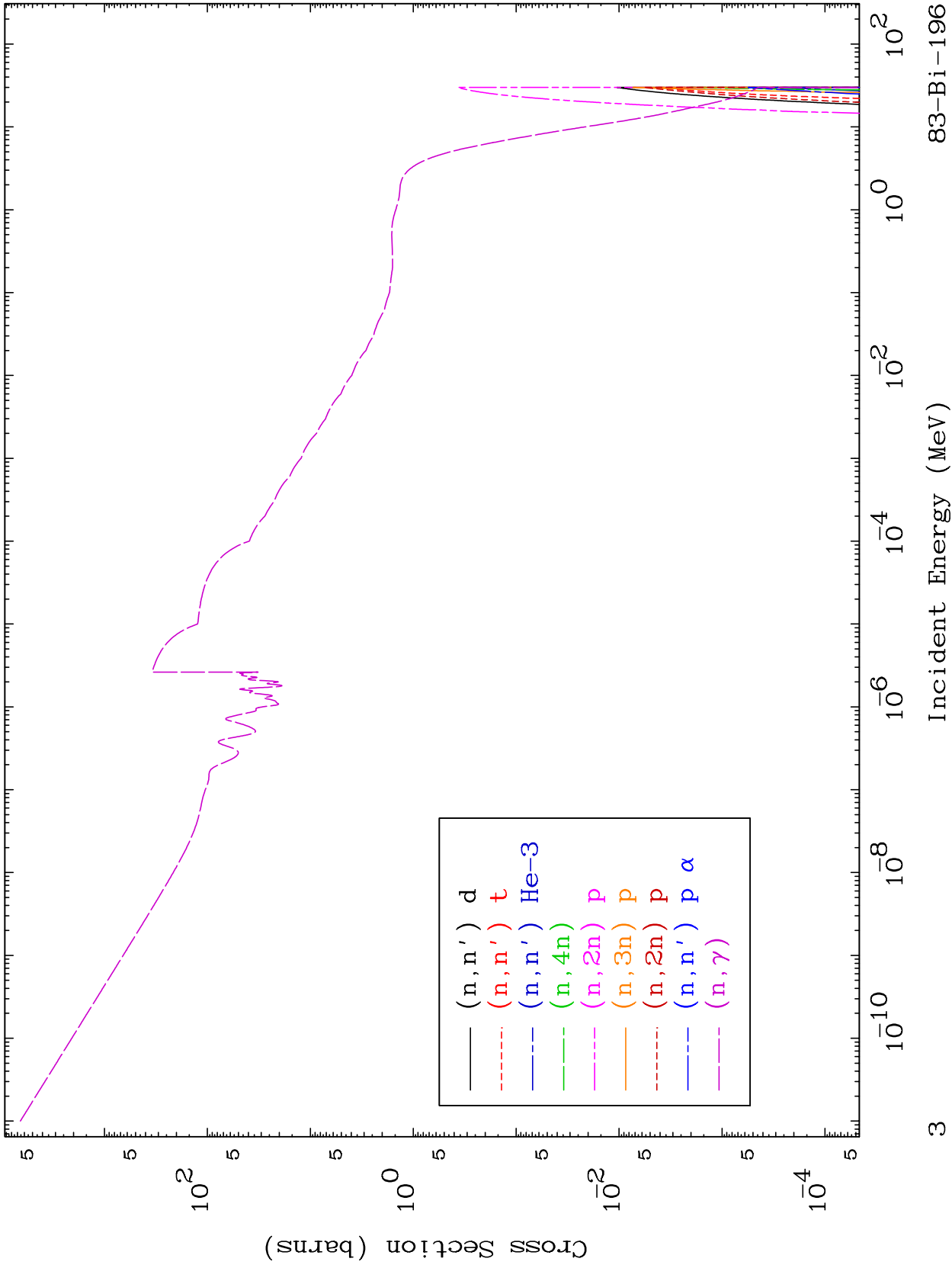
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MAT 8286

Neutron Absorption
293 Kelvin Cross Sections

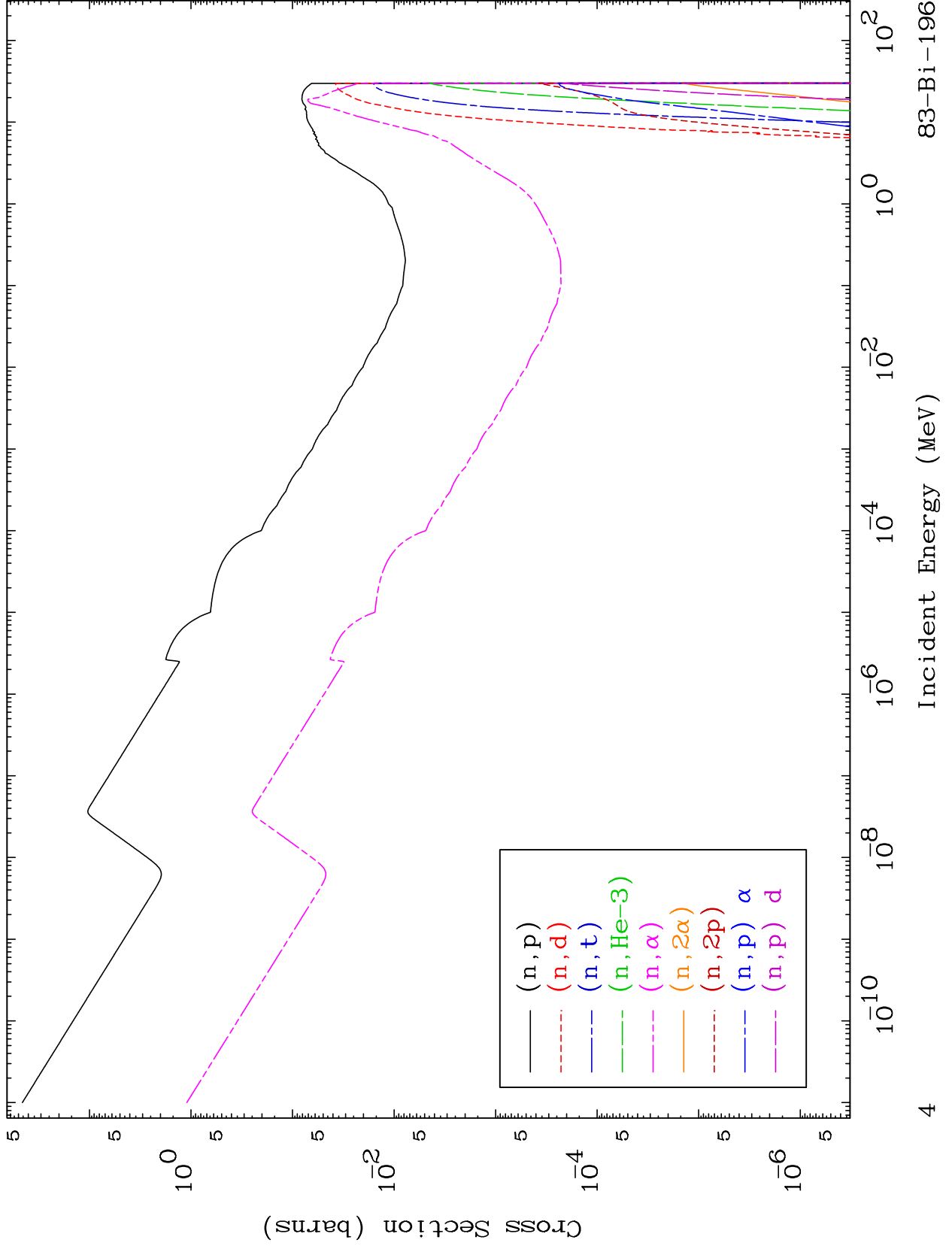
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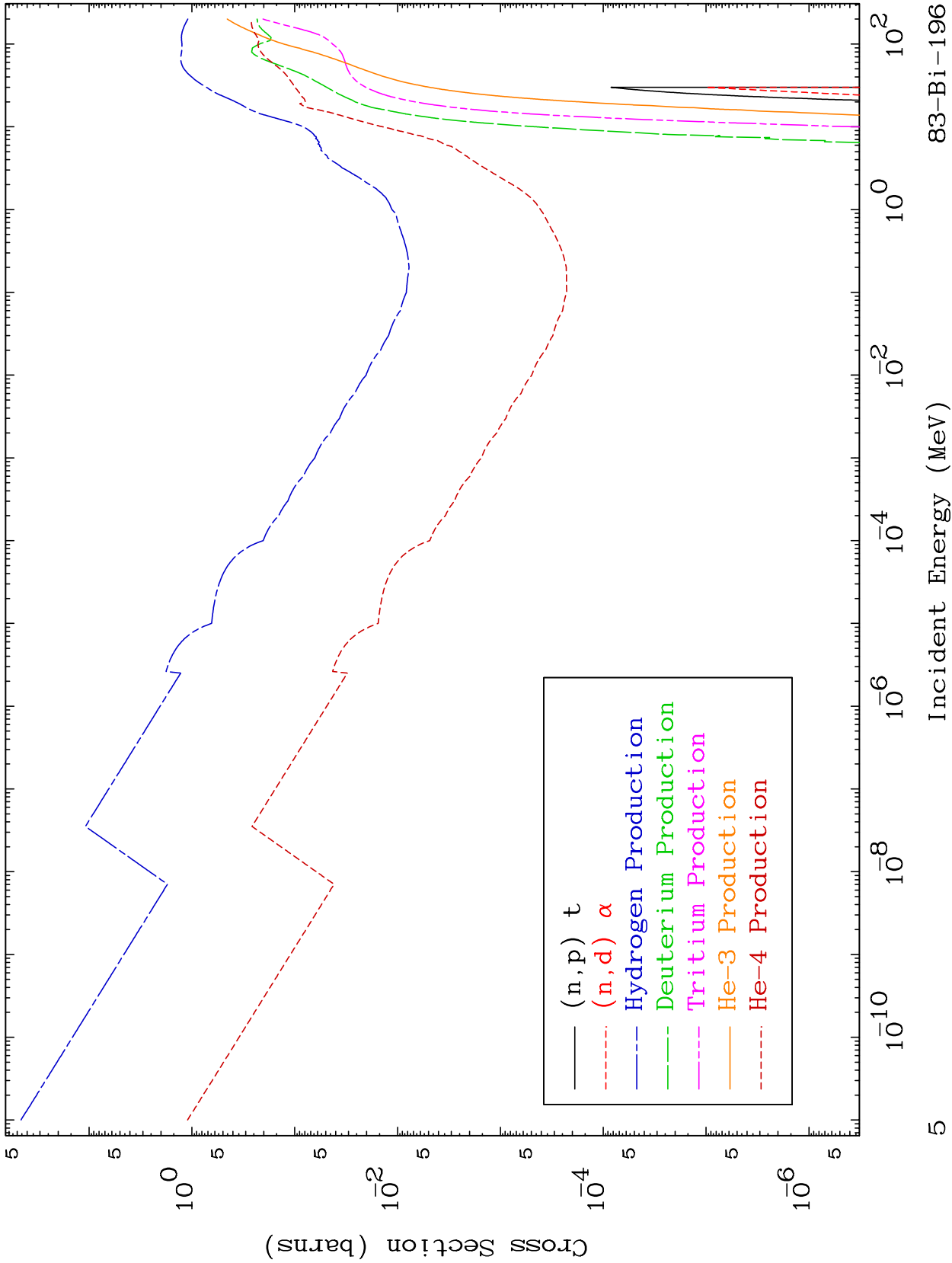


MAT 8286

Neutron Absorption
293 Kelvin Cross Sections

83-Bi-196

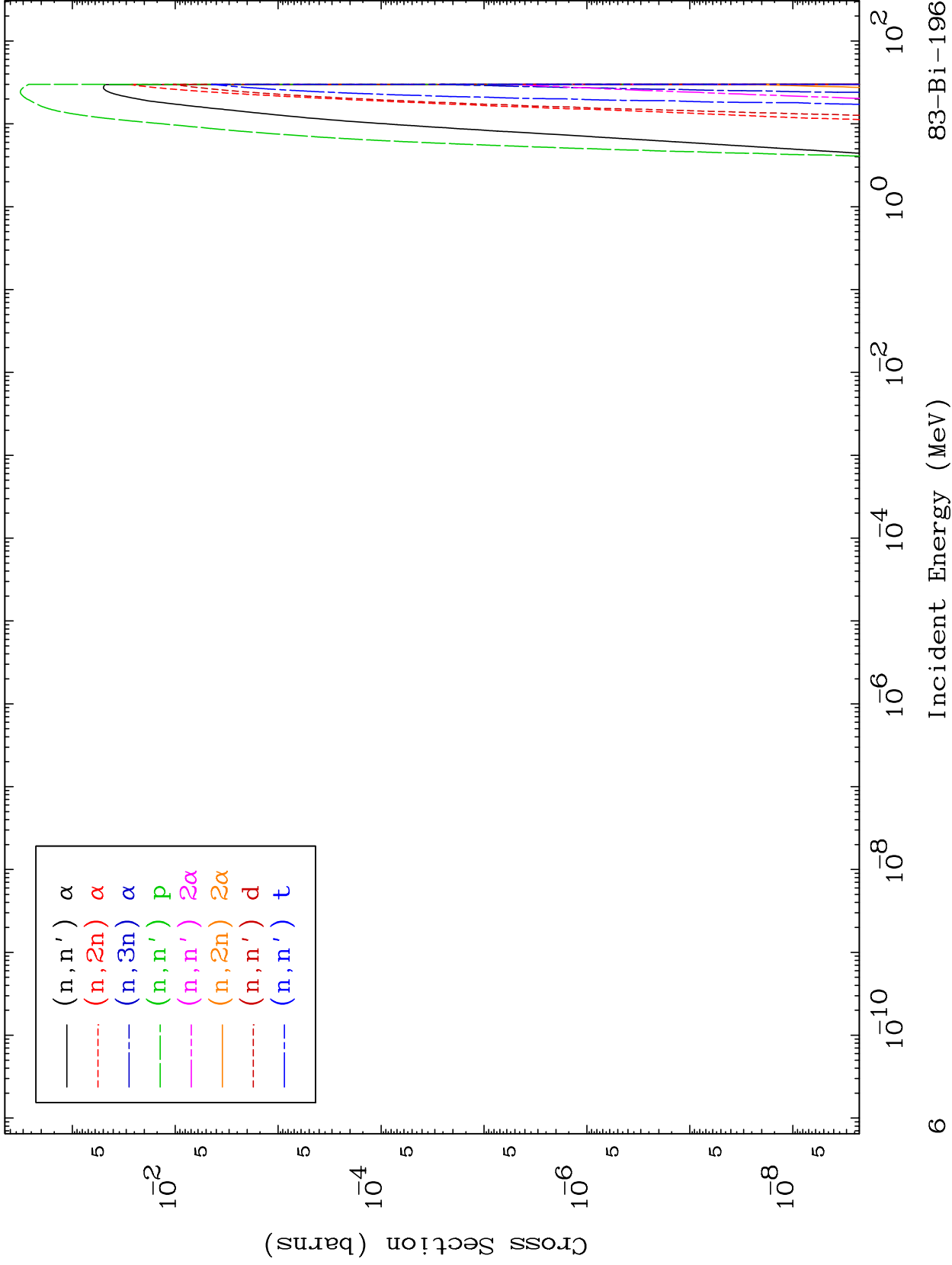




MAT 8286

Charged Particle
293 Kelvin Cross Sections

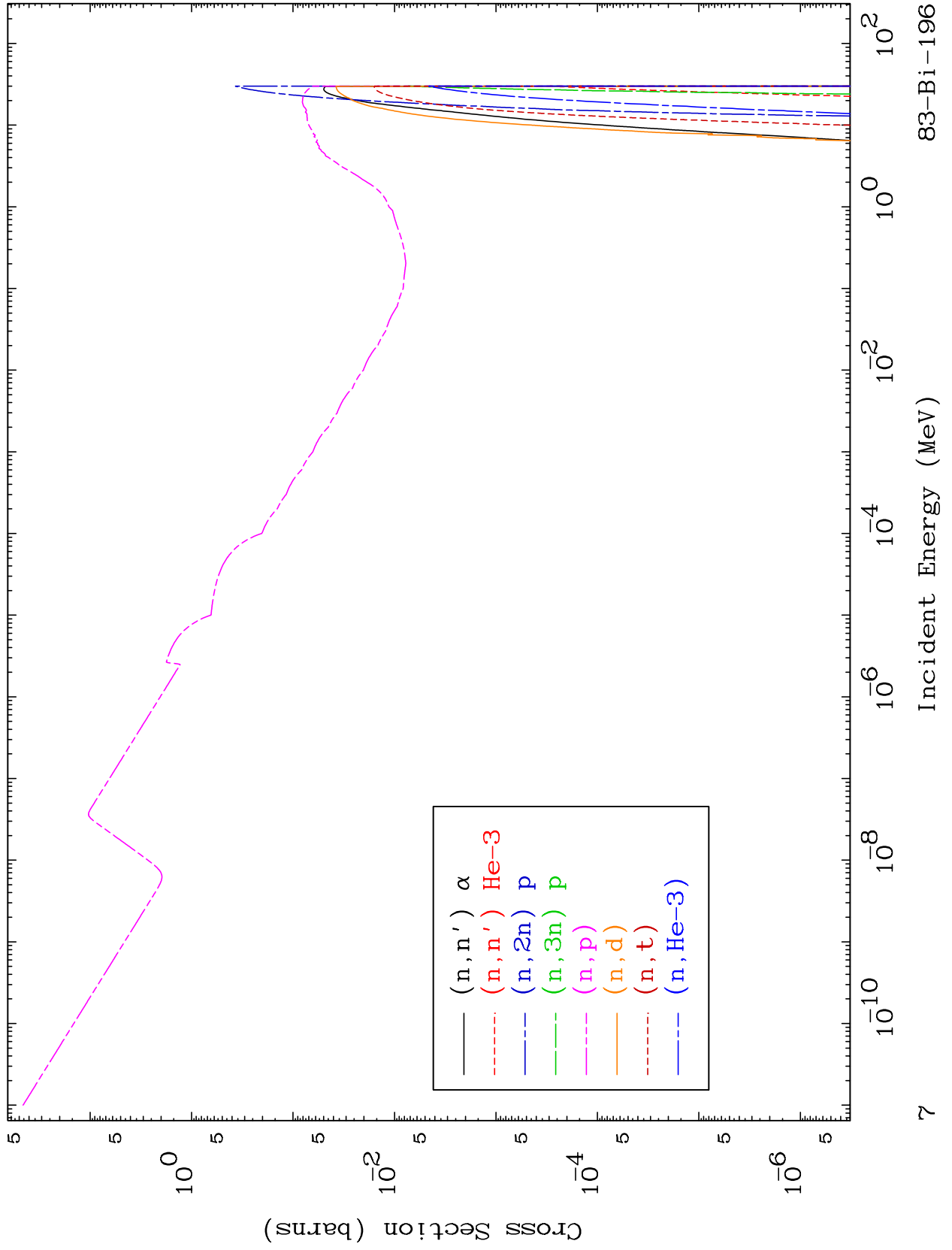
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MAT 8286

Charged Particle
293 Kelvin Cross Sections

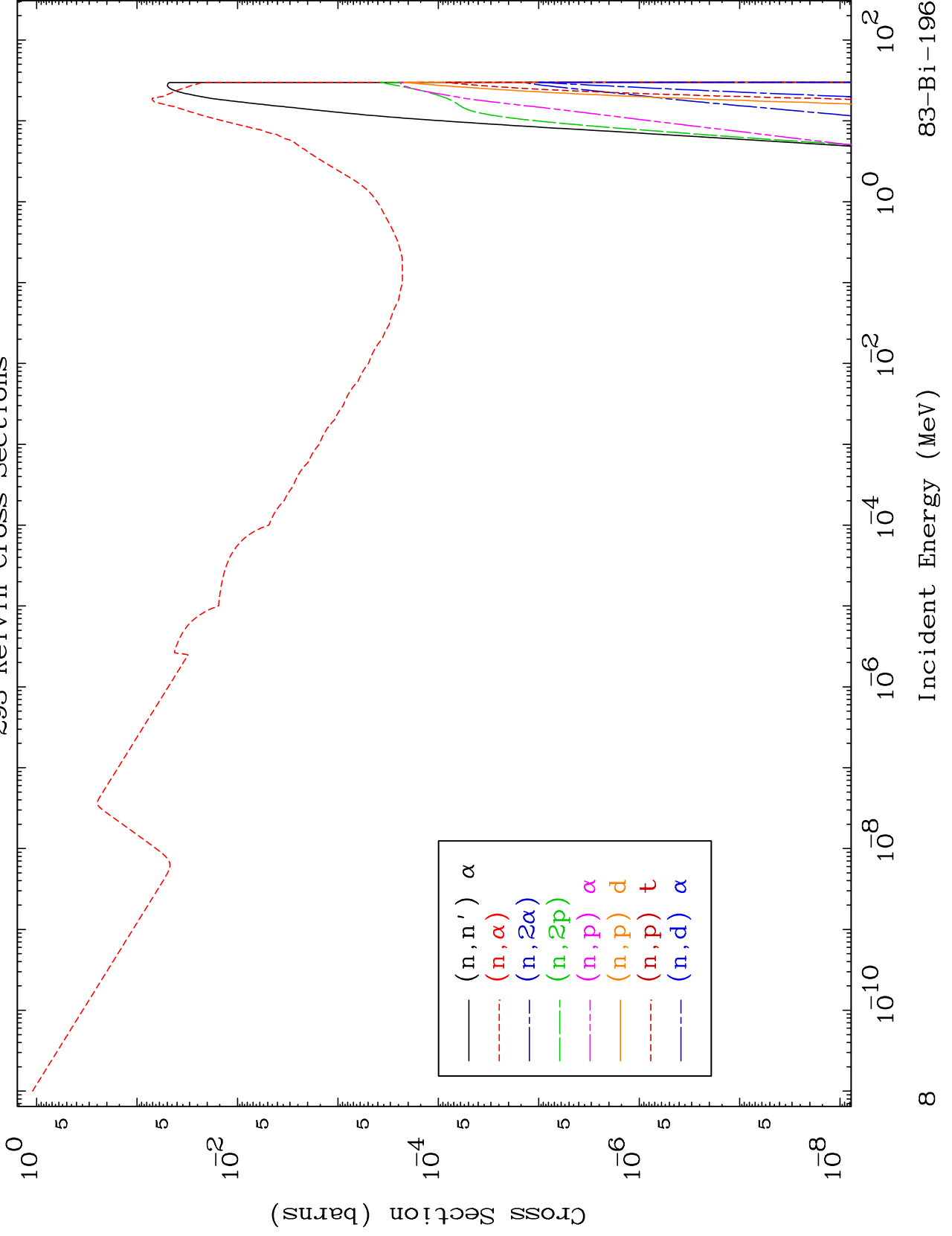
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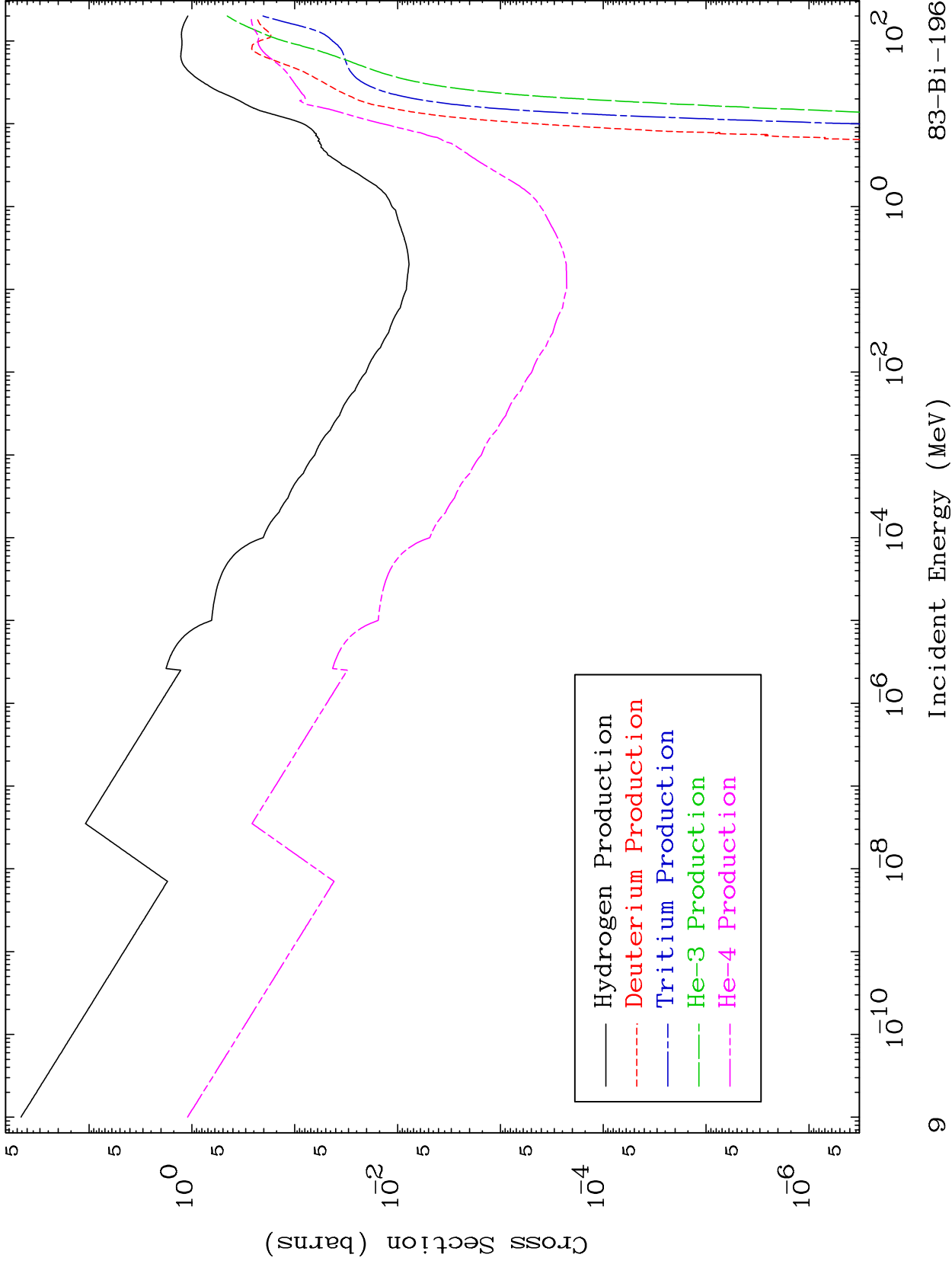


MAT 8286

Charged Particle
293 Kelvin Cross Sections

83-Bi-196

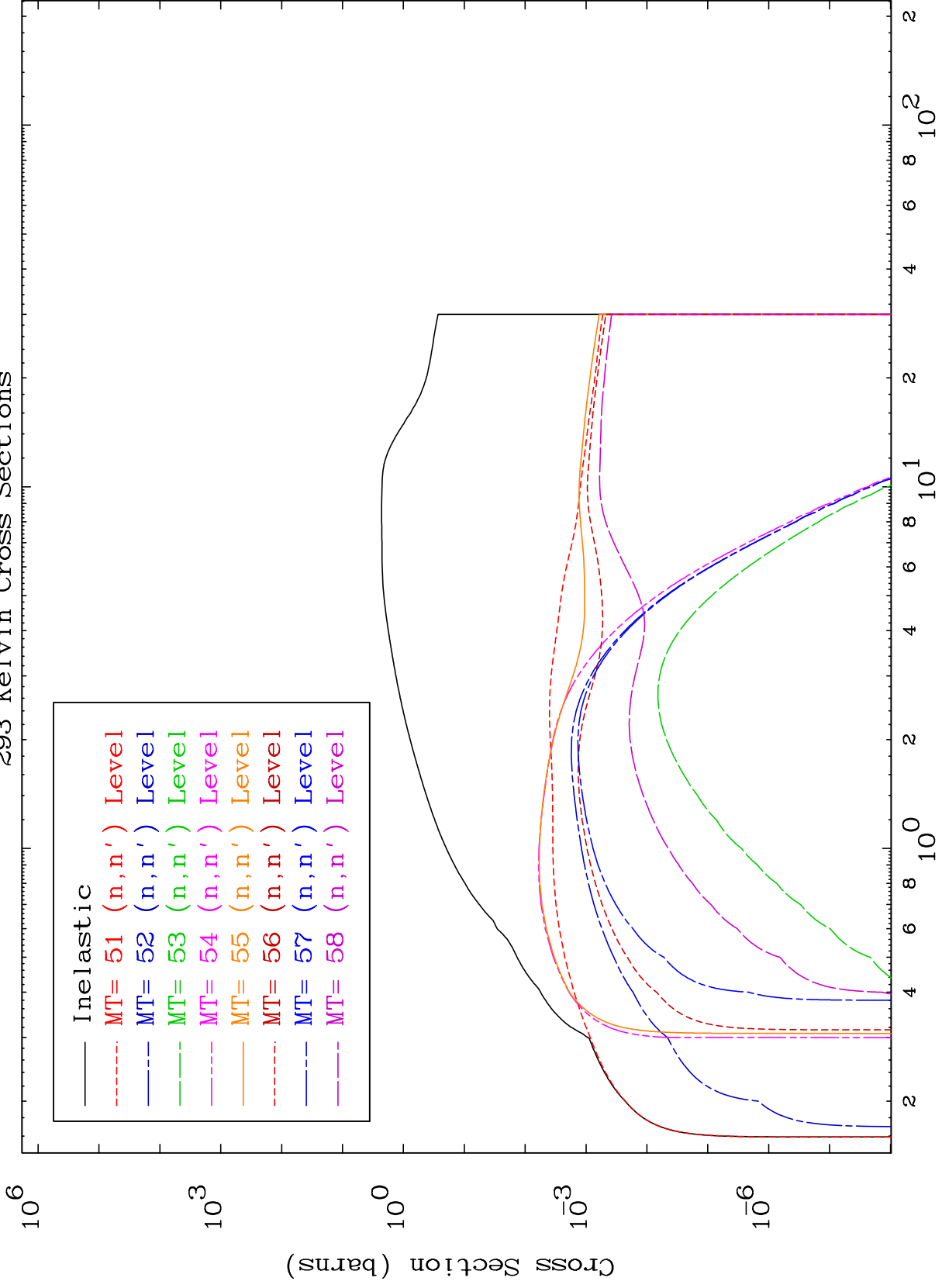




MAT 8286

(n,n') Levels
293 Kelvin Cross Sections

83-Bi-196



10

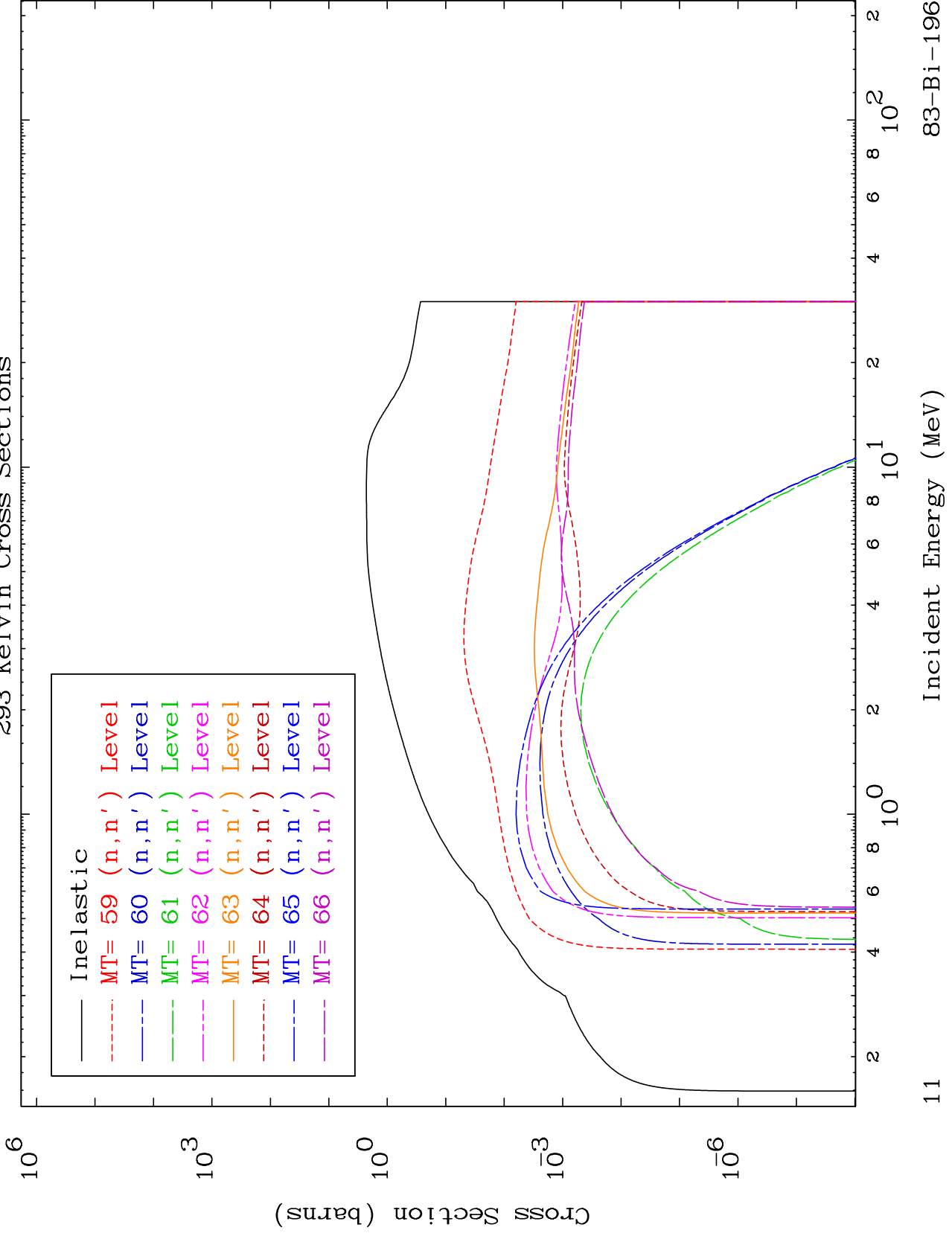
Incident Energy (MeV)

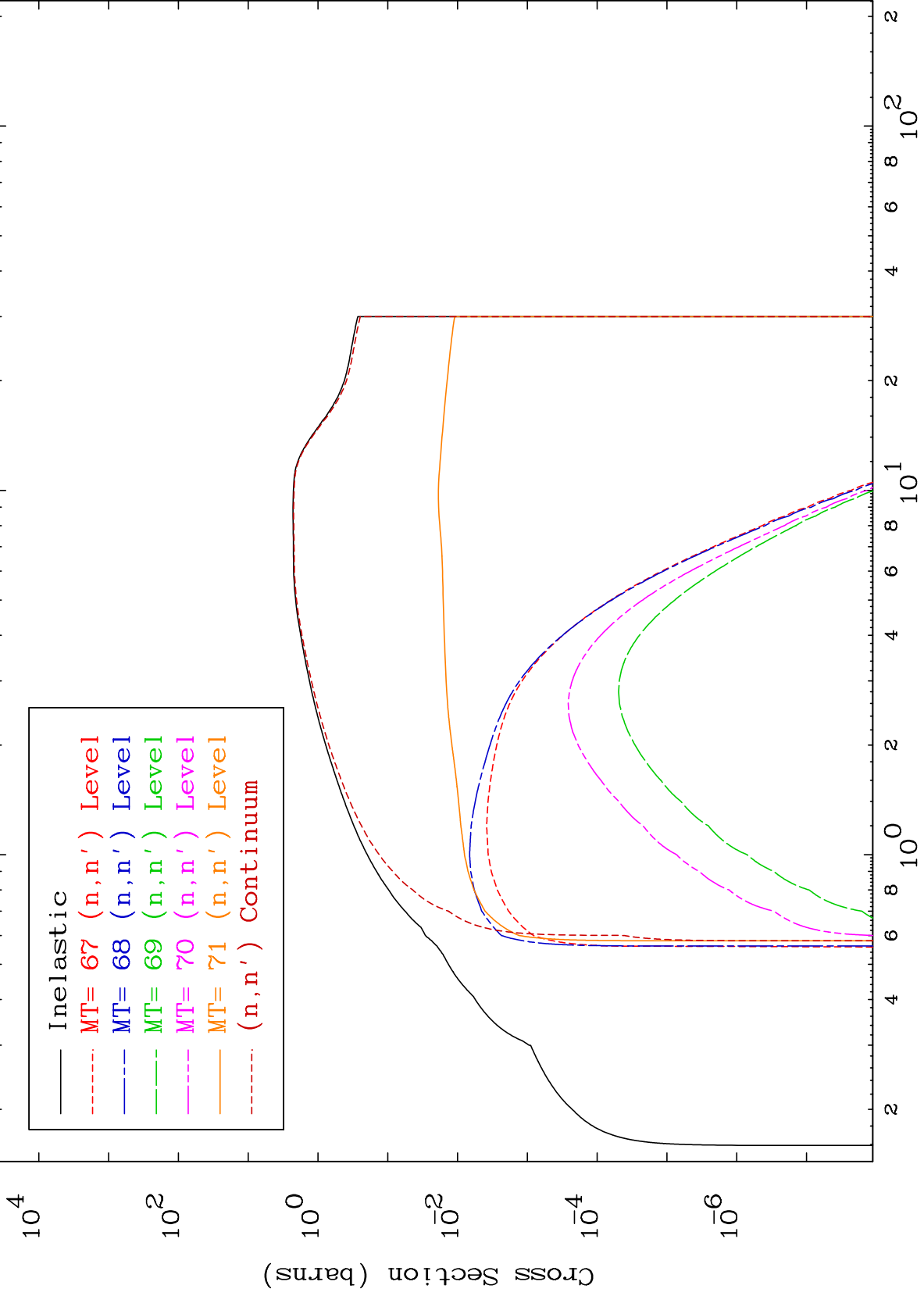
83-Bi-196

MAT 8286

(n,n') Levels
293 Kelvin Cross Sections

83-Bi-196

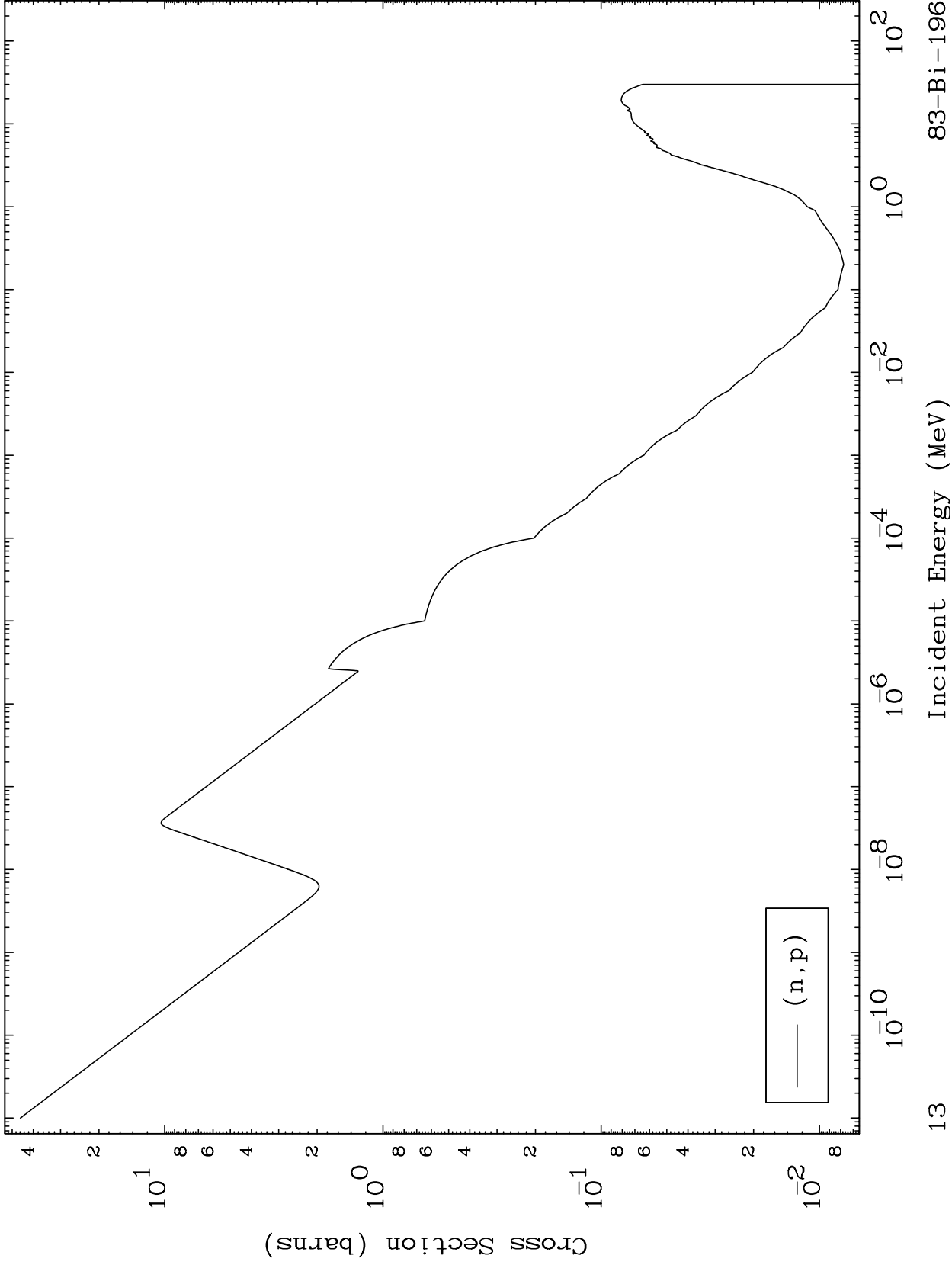




MAT 8286

(n,p) Levels
293 Kelvin Cross Sections

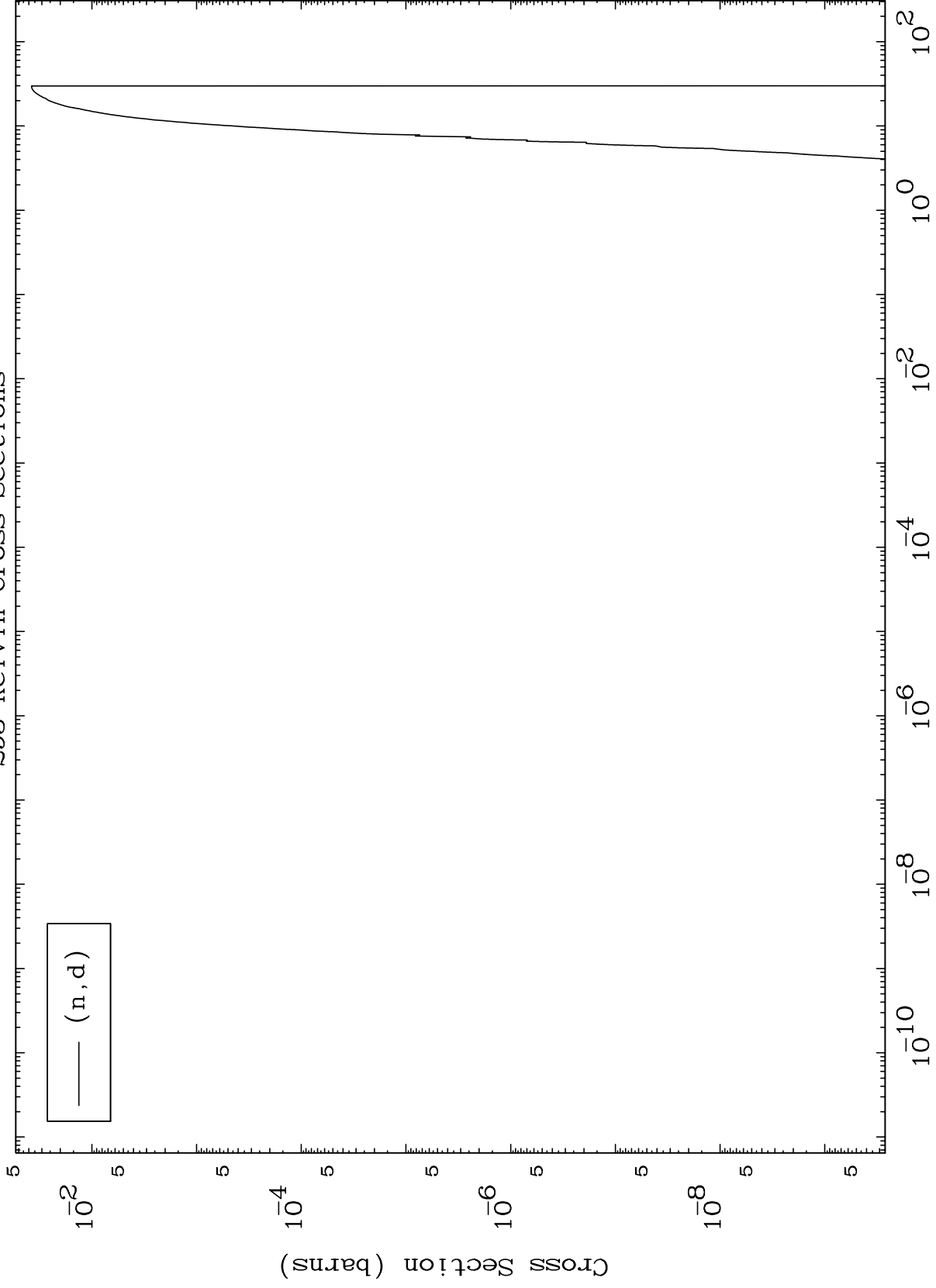
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MAT 8286

(n,d) Levels
293 Kelvin Cross Sections

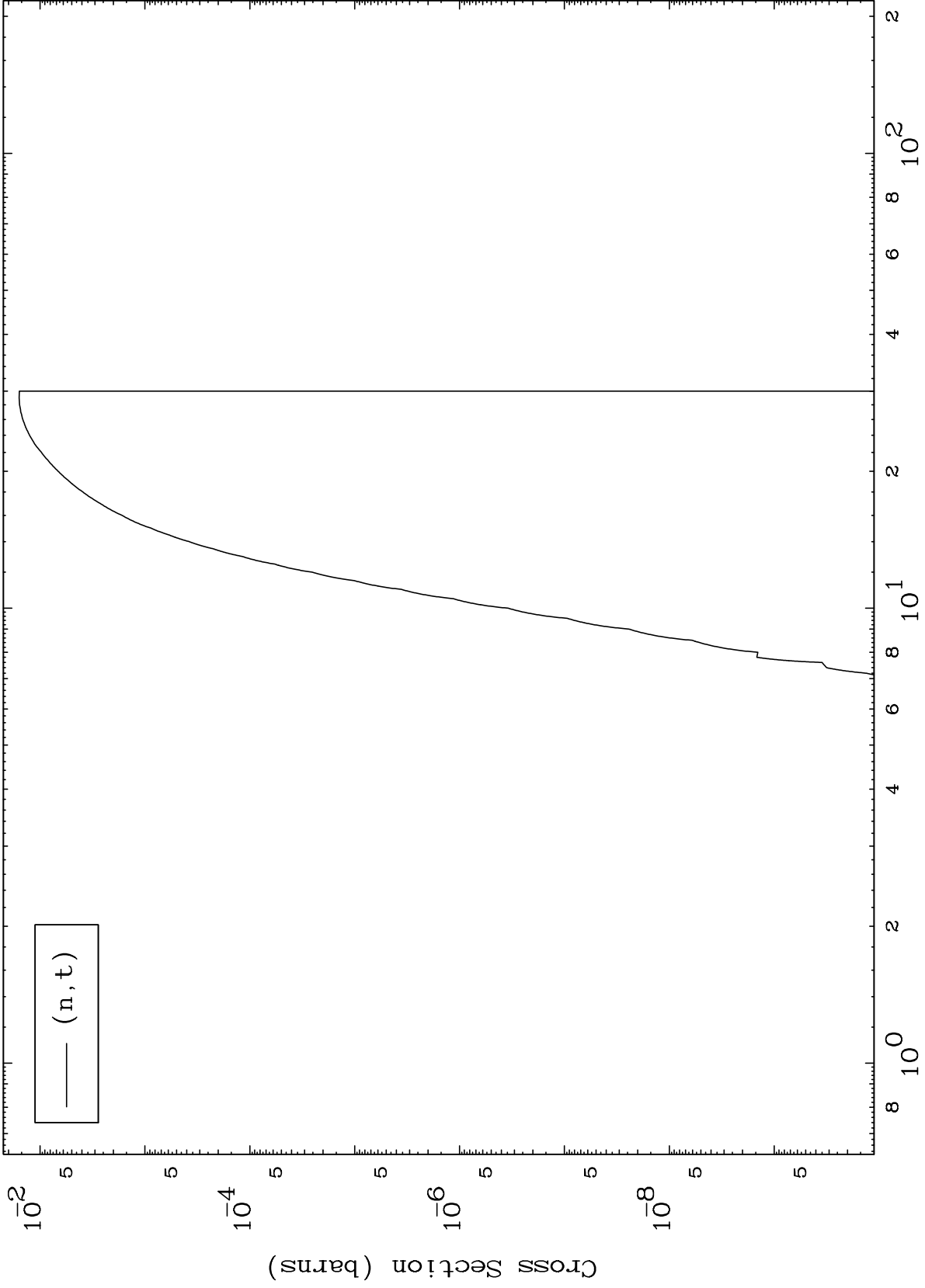
83-Bi-196



MAT 8286

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-196



15

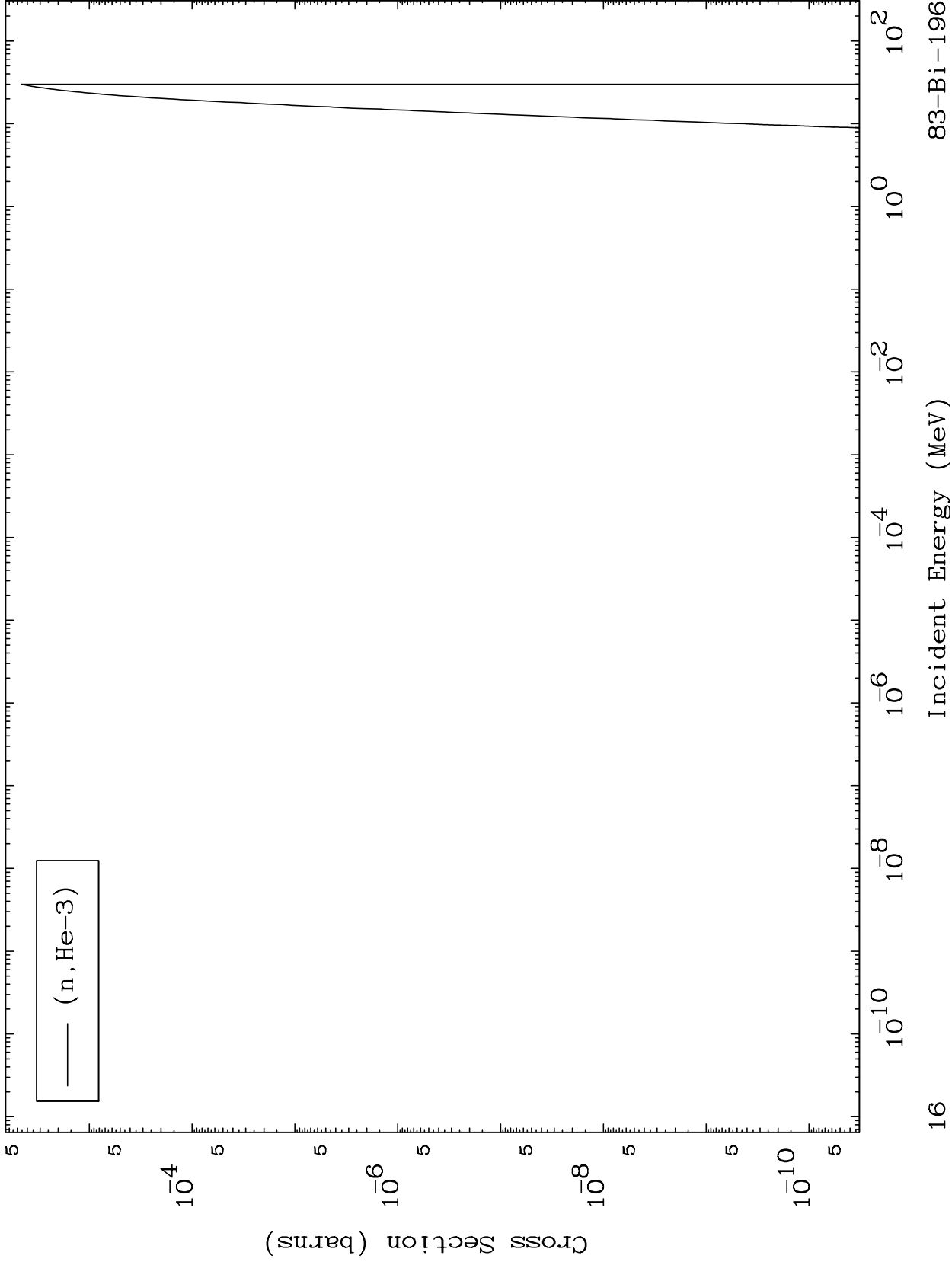
Incident Energy (MeV)

83-Bi-196

MAT 8286

(n,He3) Levels
293 Kelvin Cross Sections

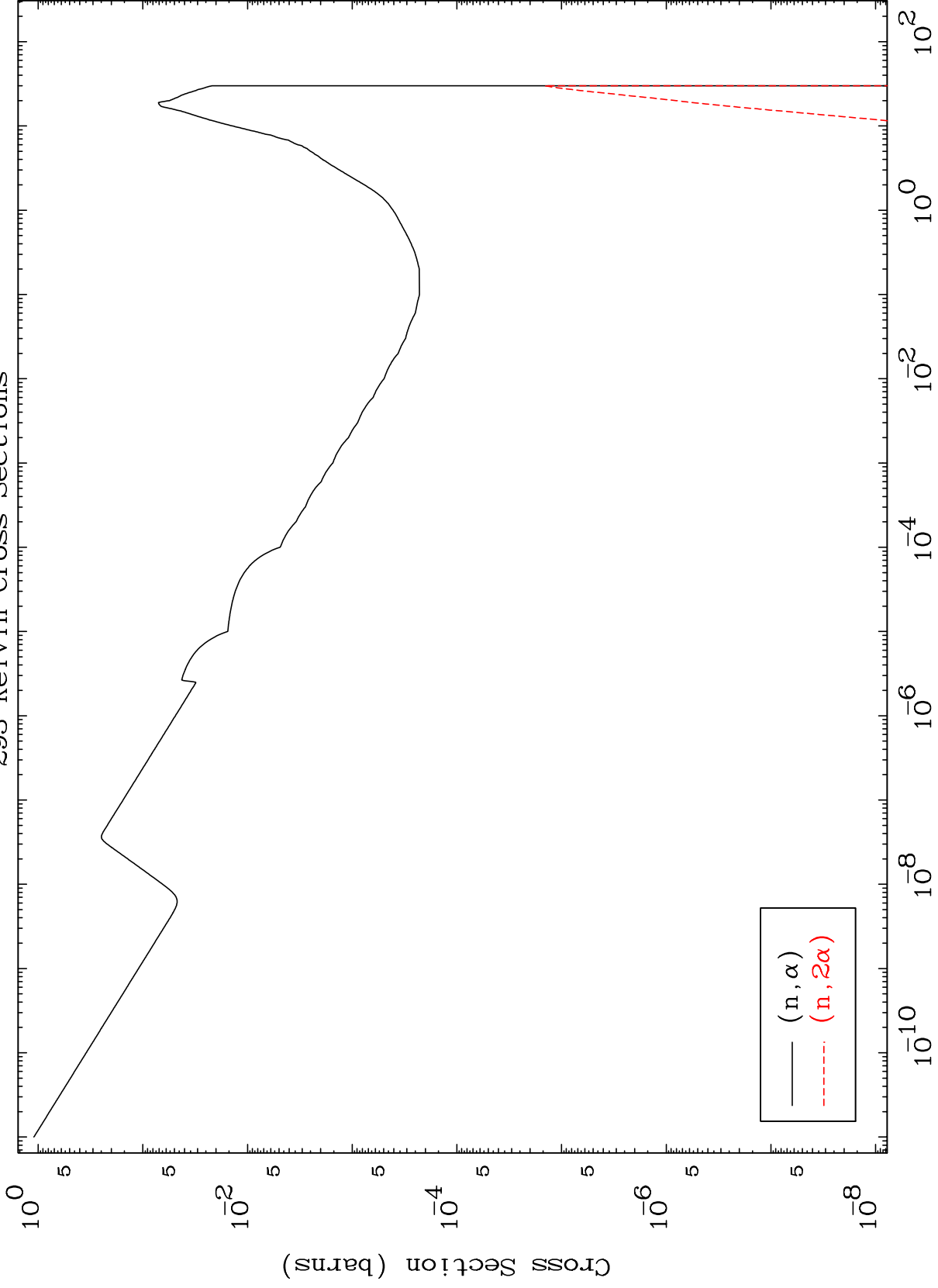
83-Bi-196



MAT 8286

(n, α) Levels
293 Kelvin Cross Sections

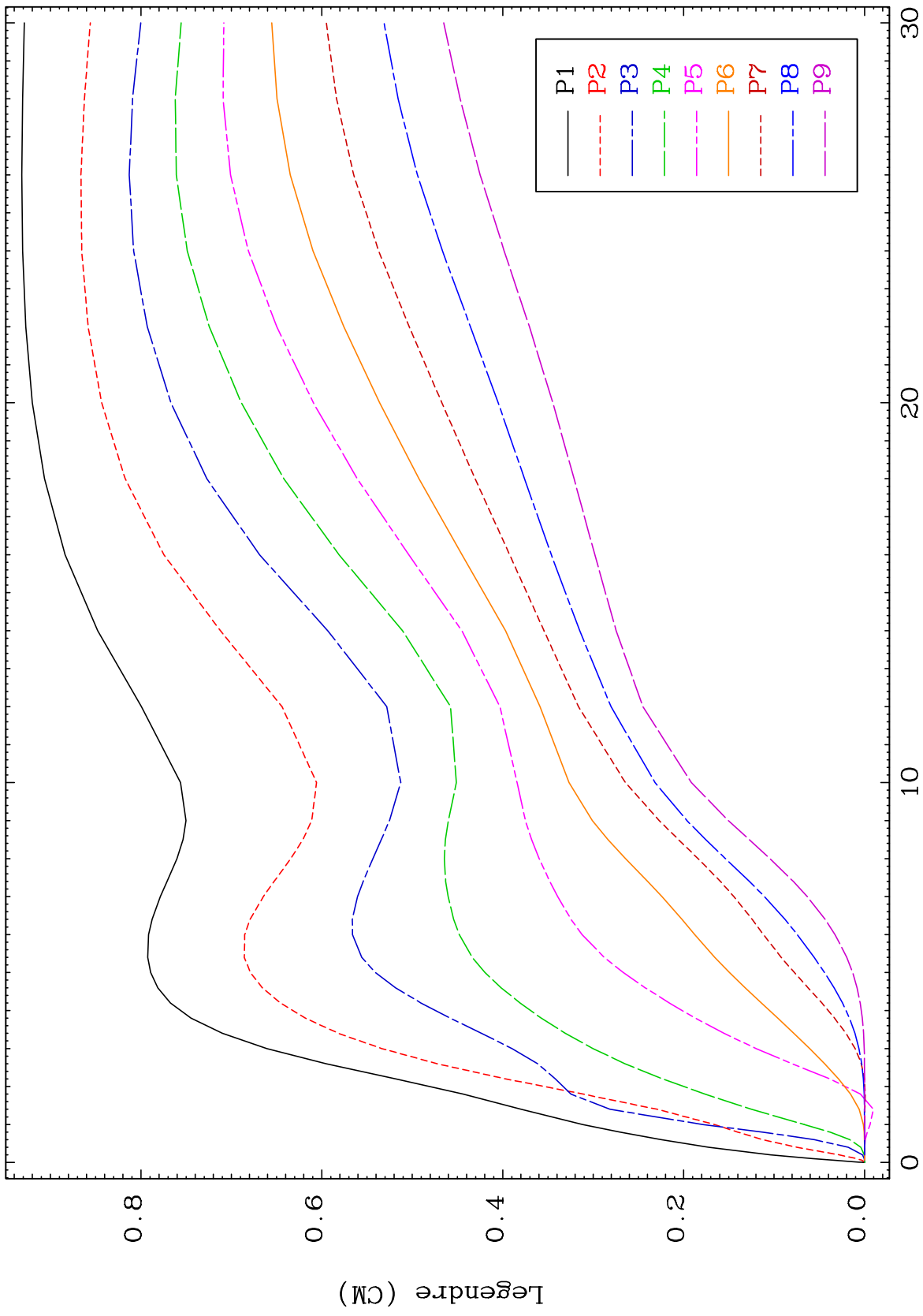
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MAT 8286

83-Bi-196

Elastic Legendre Coefficients



18

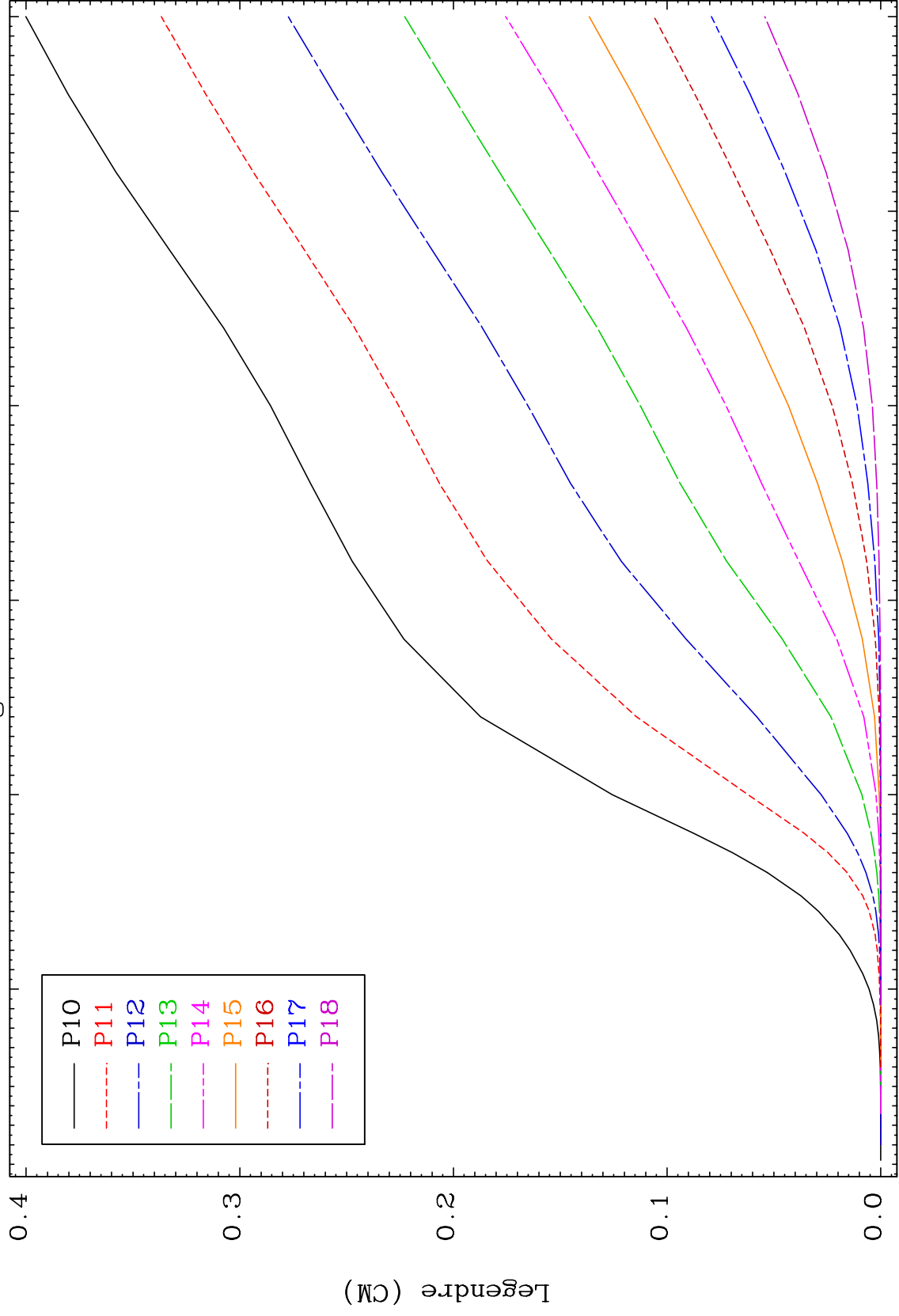
Incident Energy (MeV)

83-Bi-196

MAT 8286

Elastic Legendre Coefficients

⁸³Bi-196



19

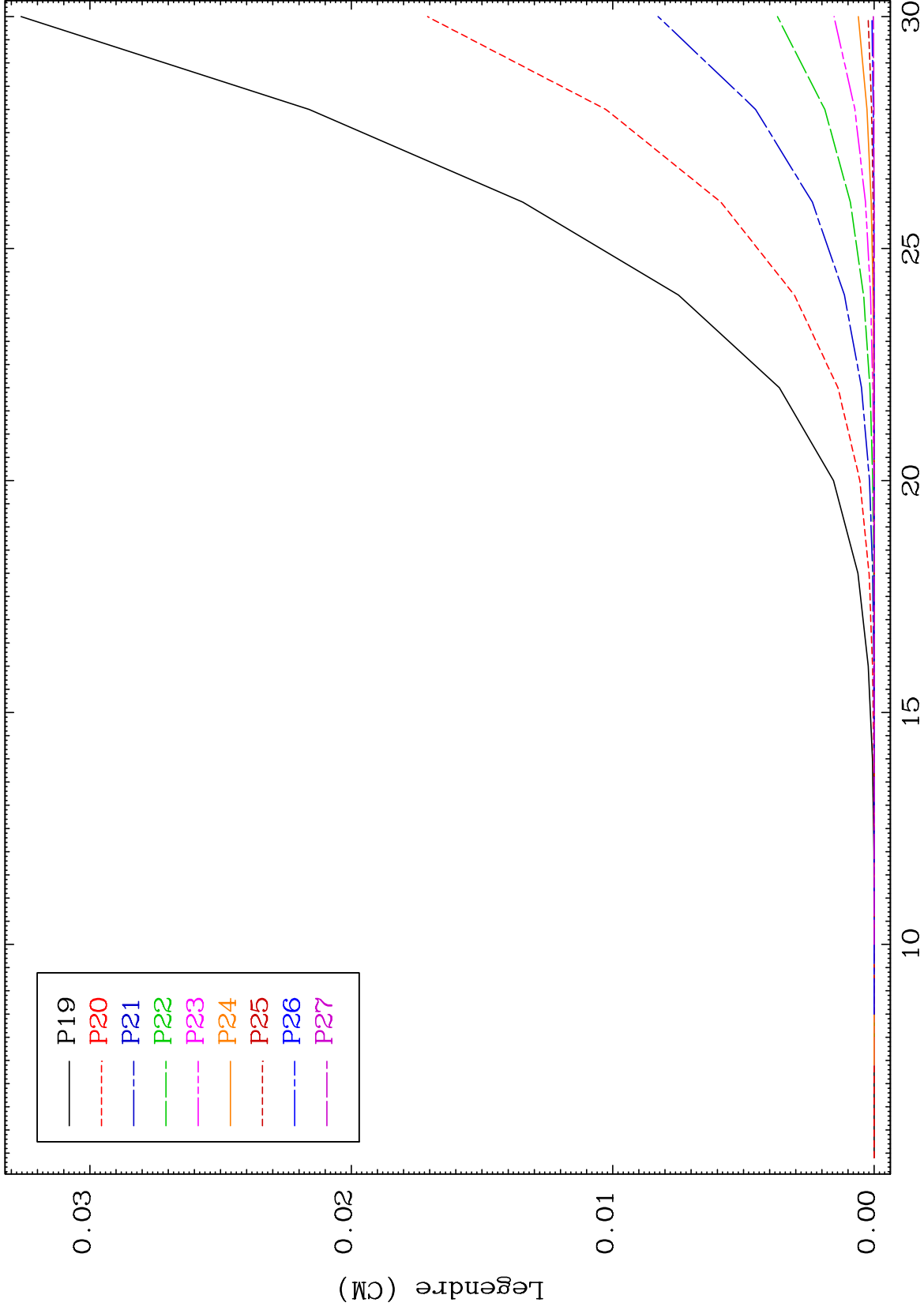
Incident Energy (MeV)

⁸³Bi-196

MAT 8286

Elastic Legendre Coefficients

83-Bi-196



20

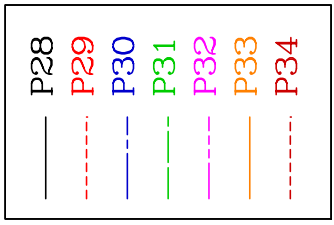
Incident Energy (MeV)

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

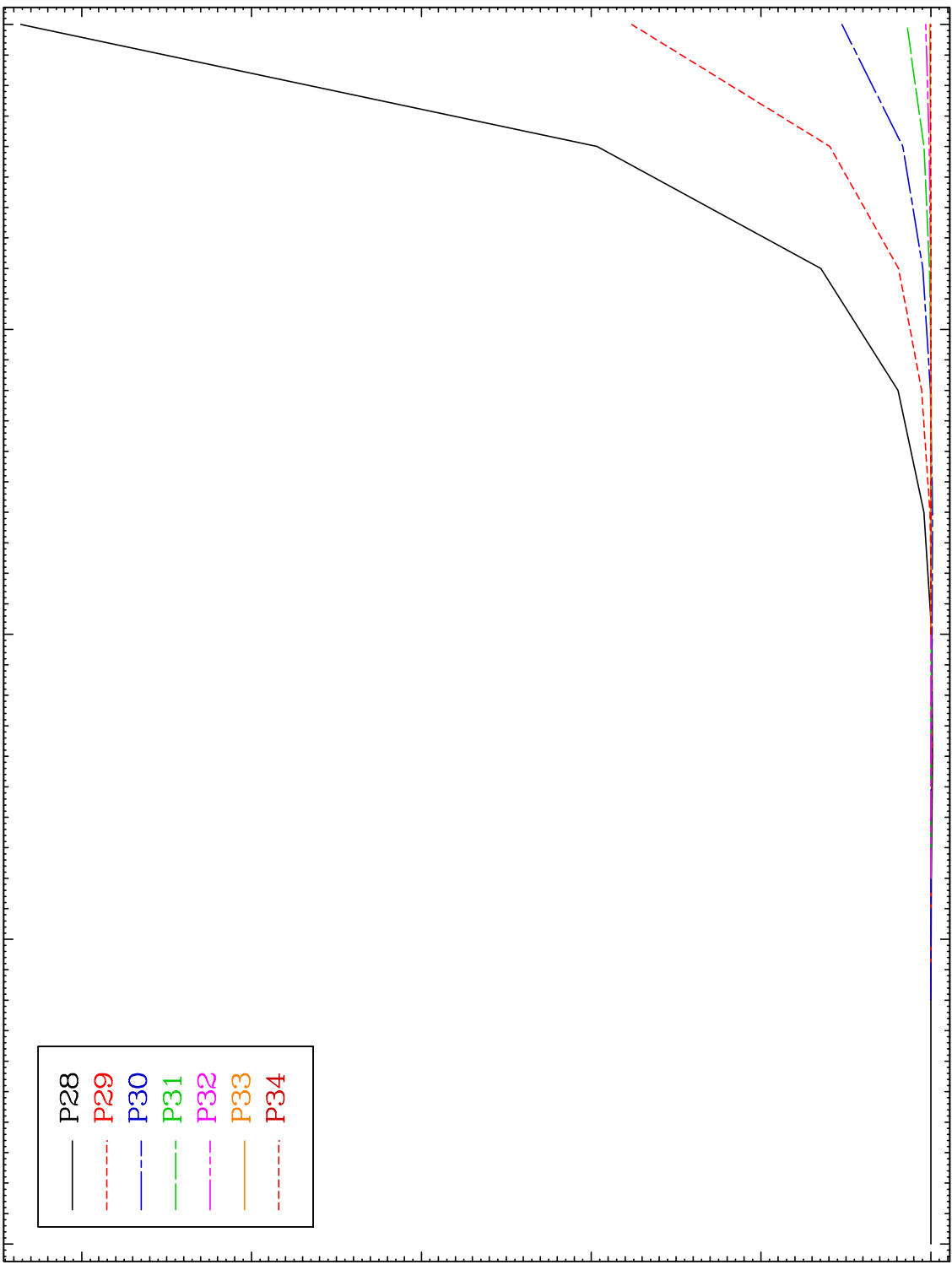
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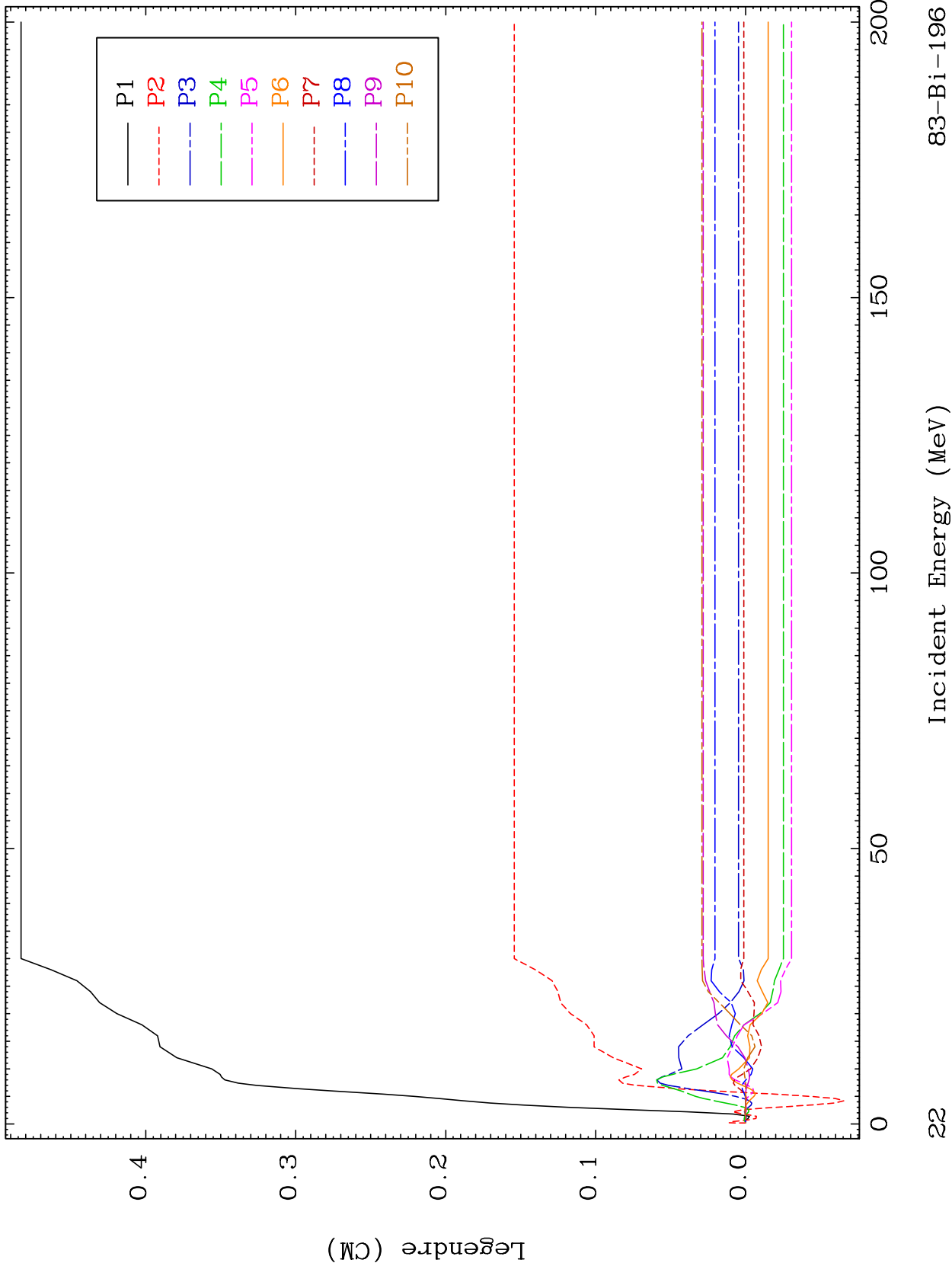
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21

Incident Energy (MeV)

83-Bi-196

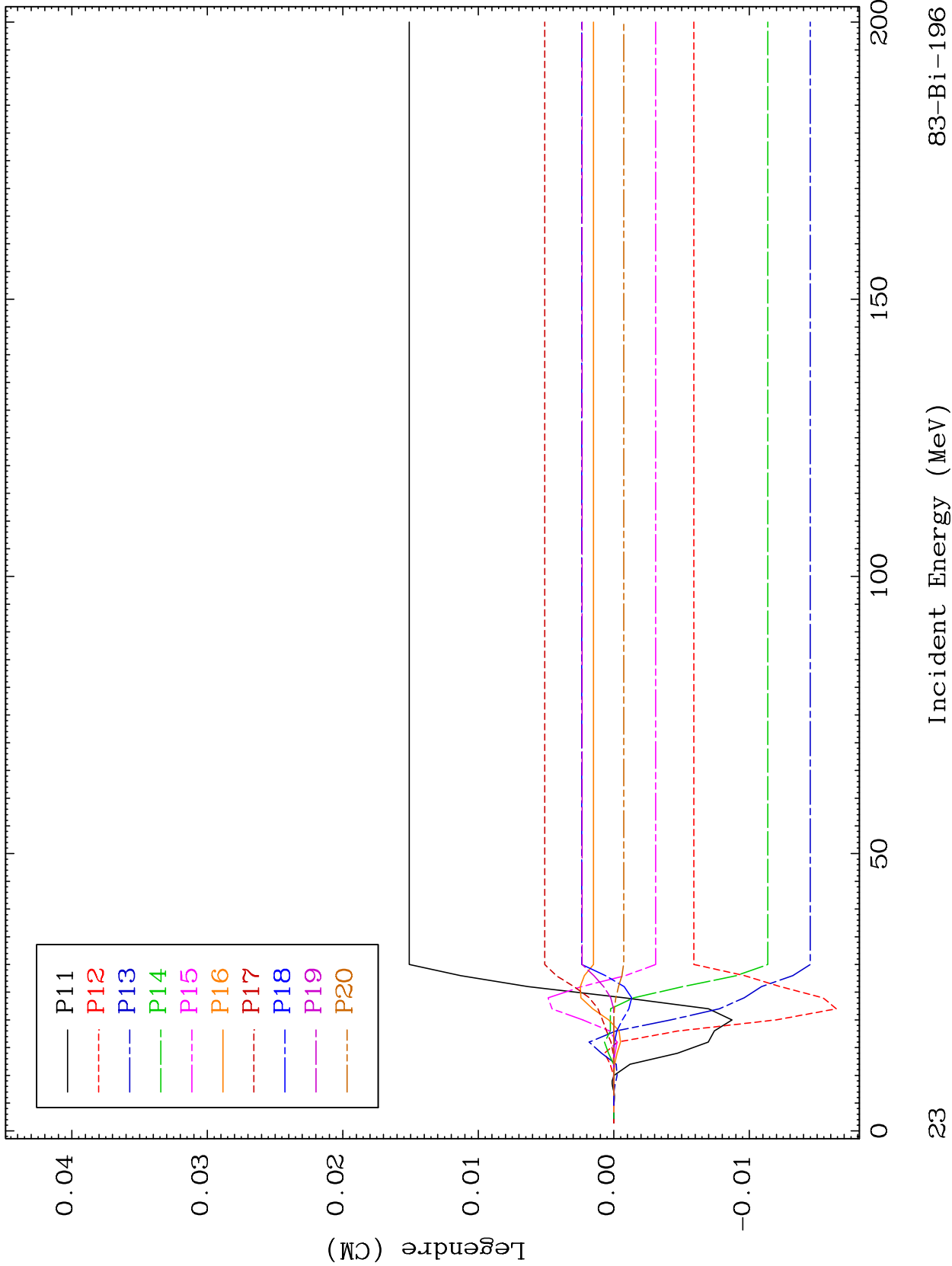




MAT 8286

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

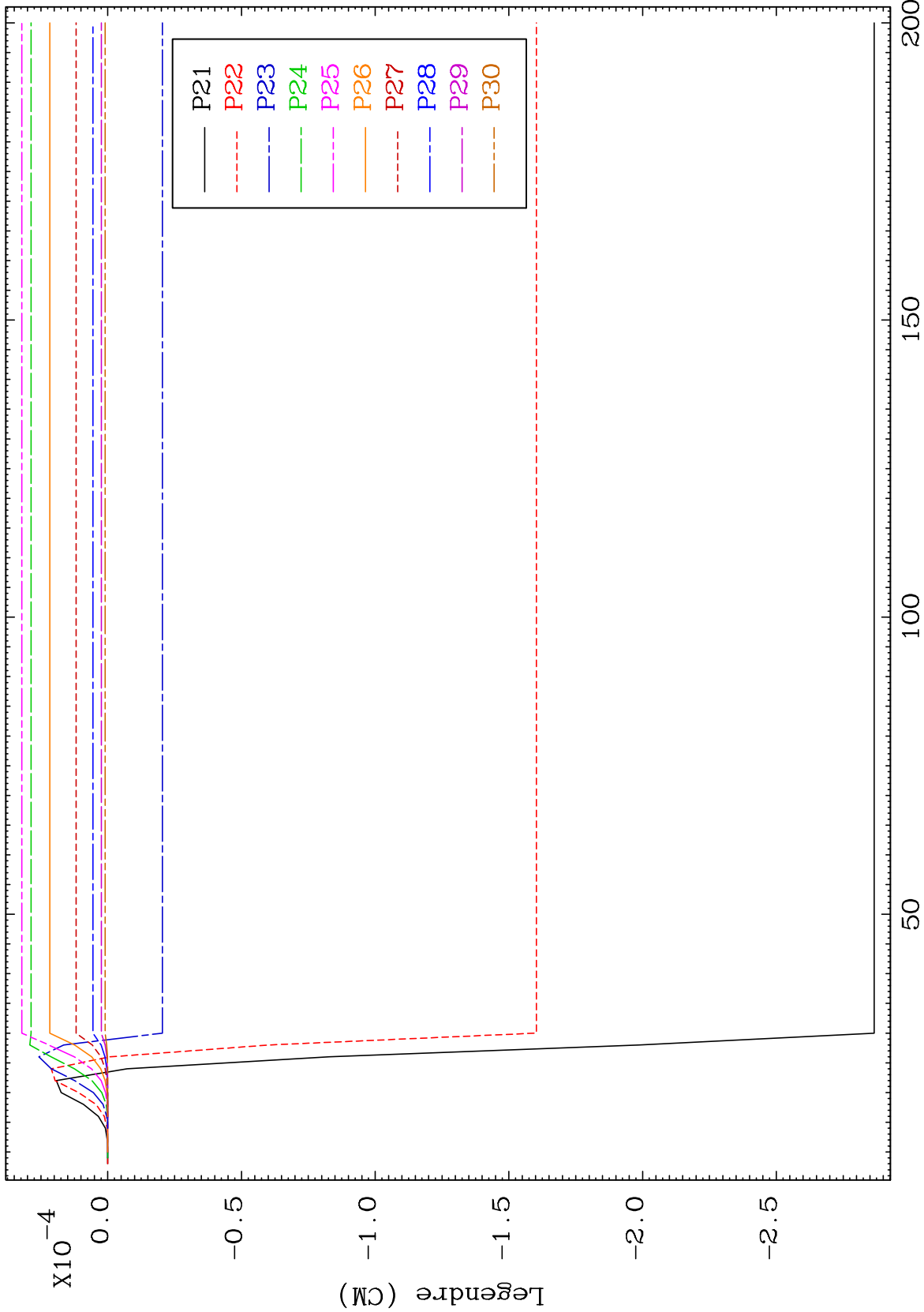
83-Bi-196



23

Incident Energy (MeV)

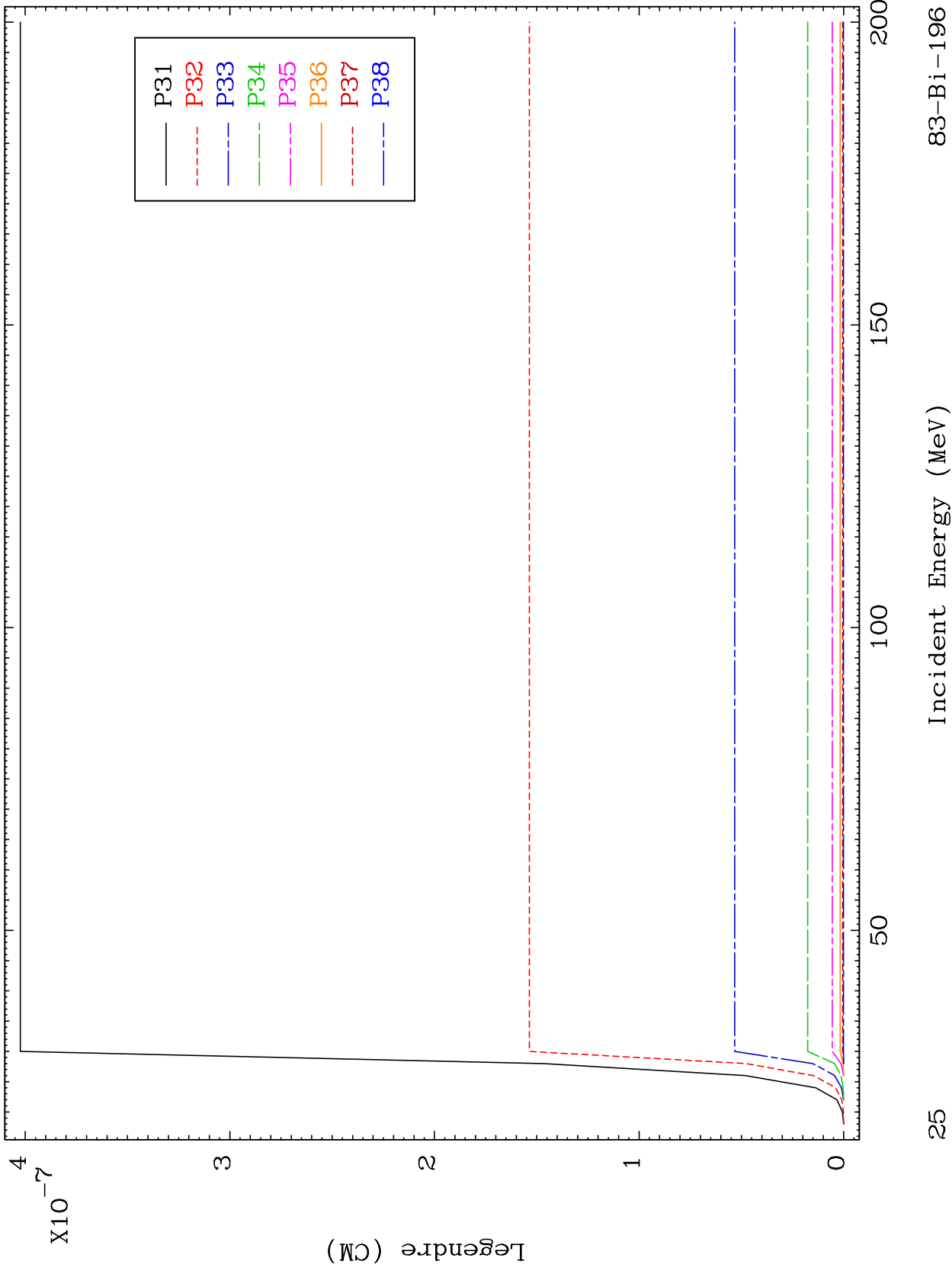
83-Bi-196



MAT 8286

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

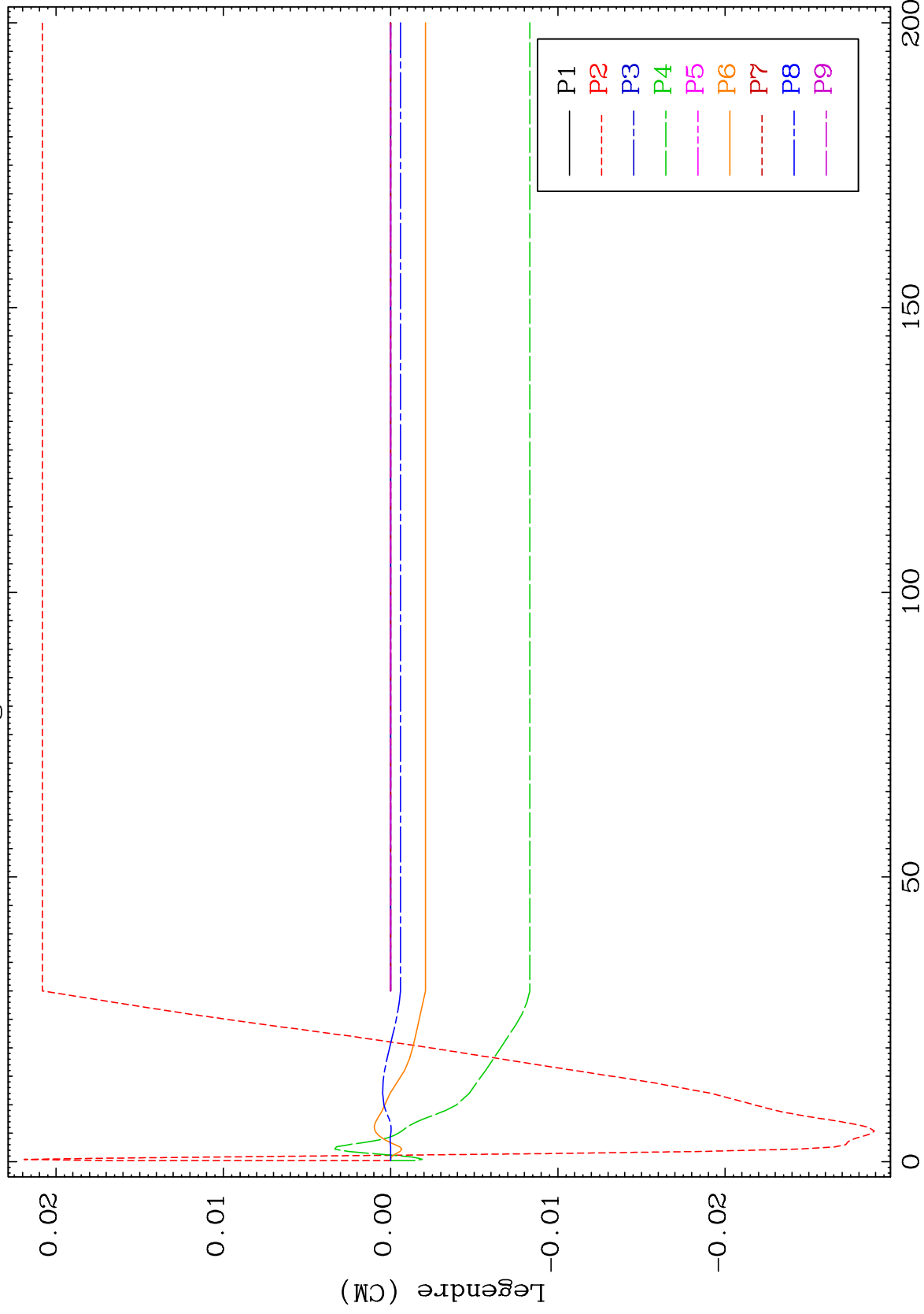
83-Bi-196



MAT 8286

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

83-Bi-196



26

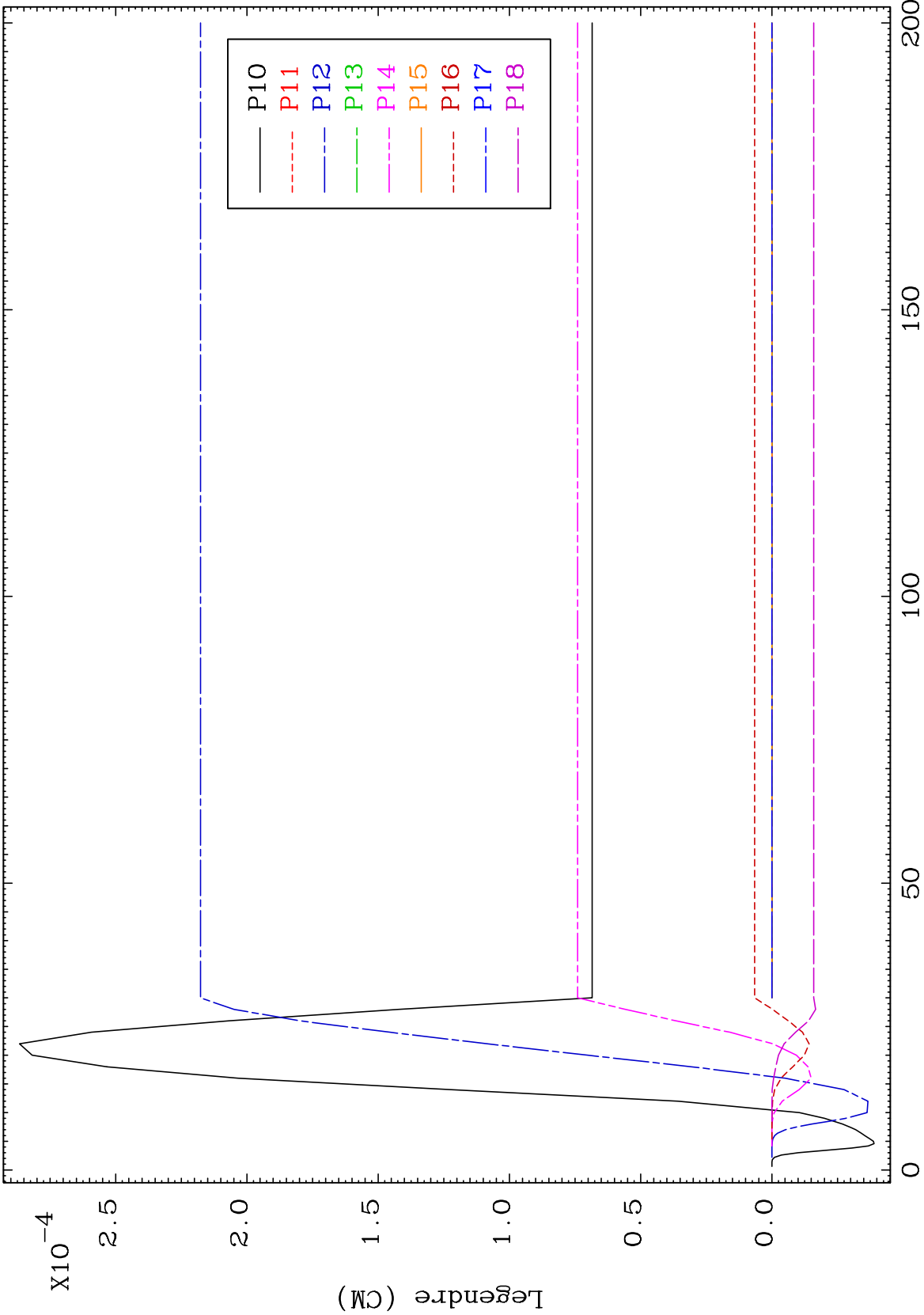
Incident Energy (MeV)

83-Bi-196

MAT 82866

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

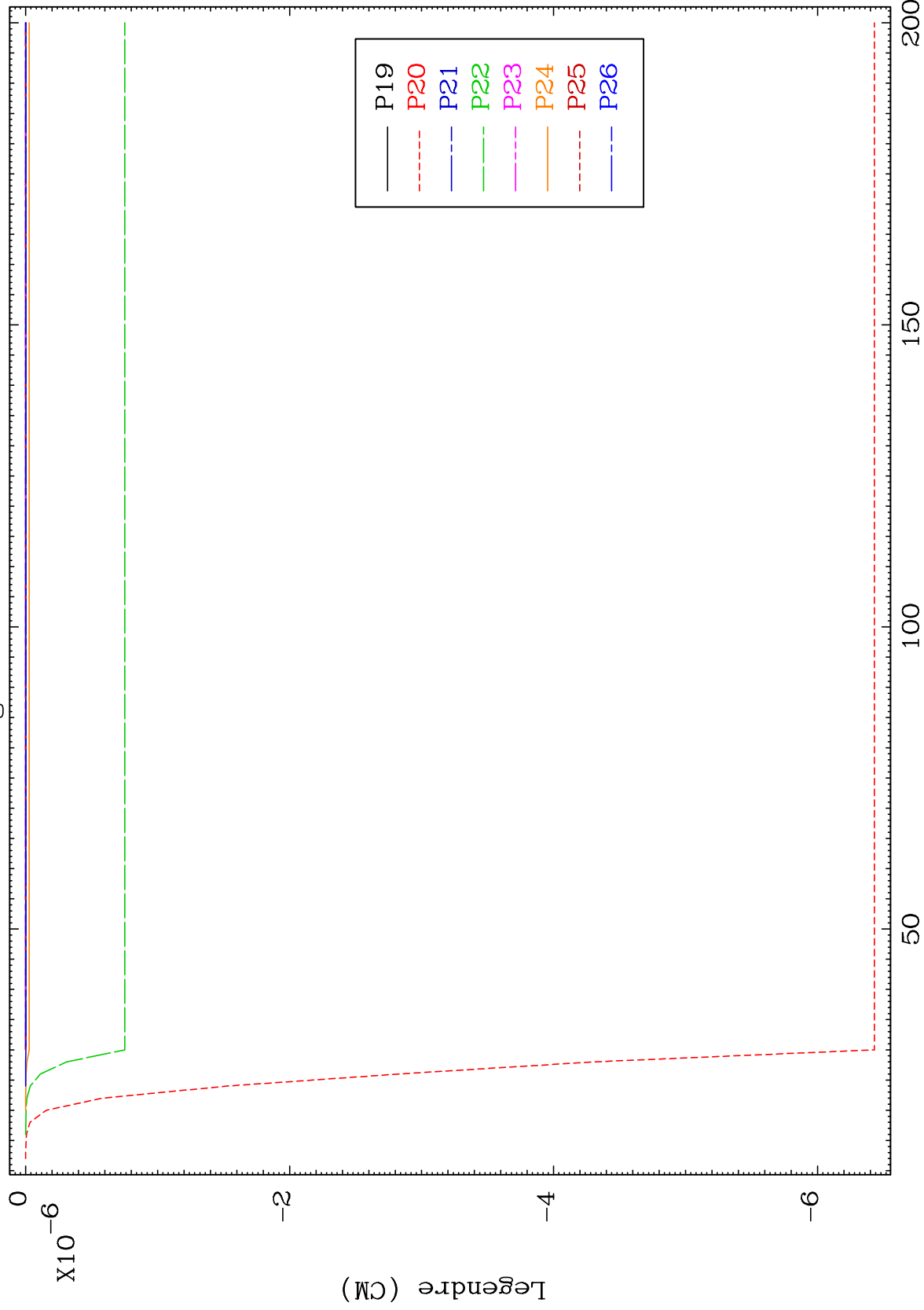
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MAT 8286

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

83-Bi-196



28

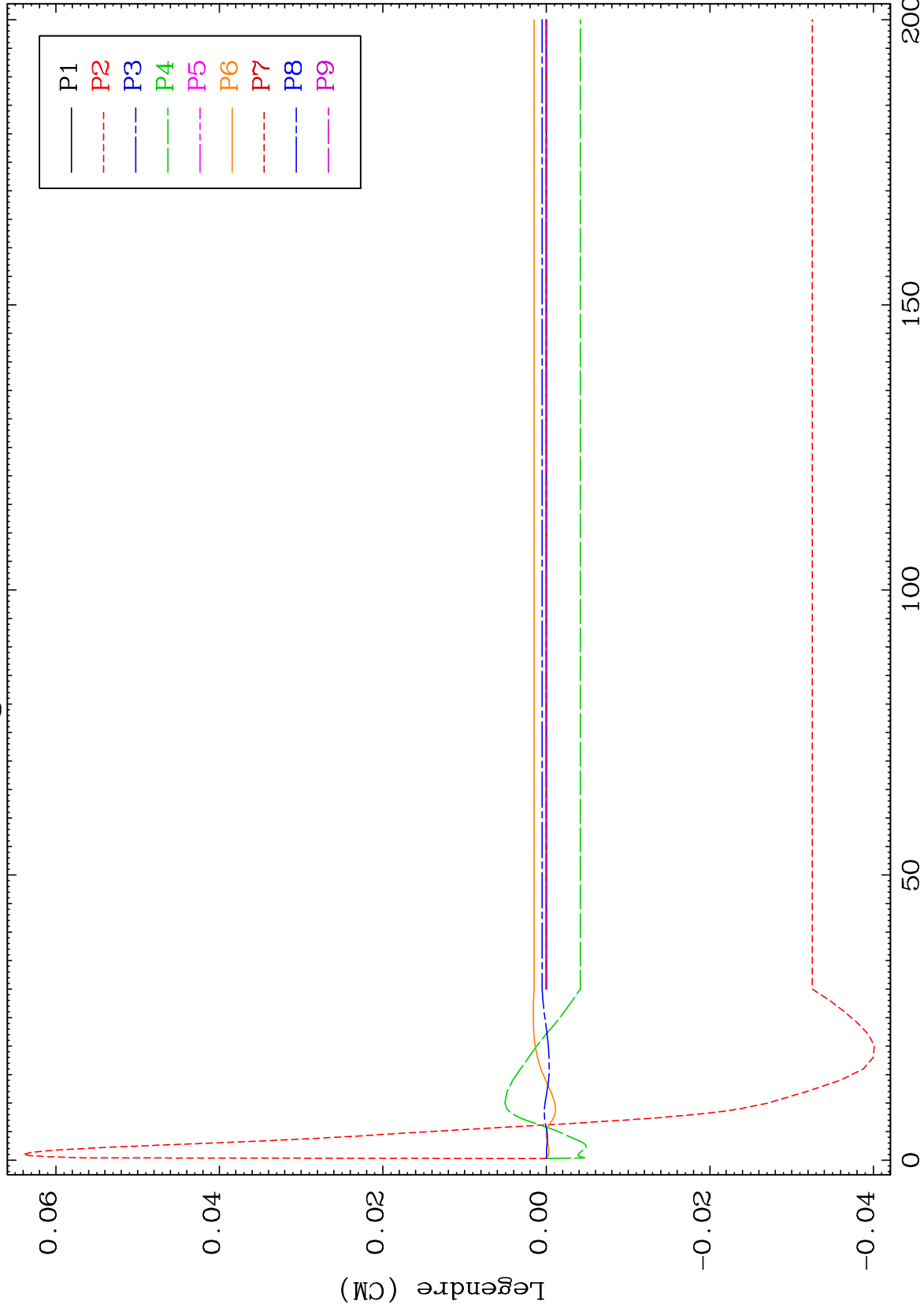
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



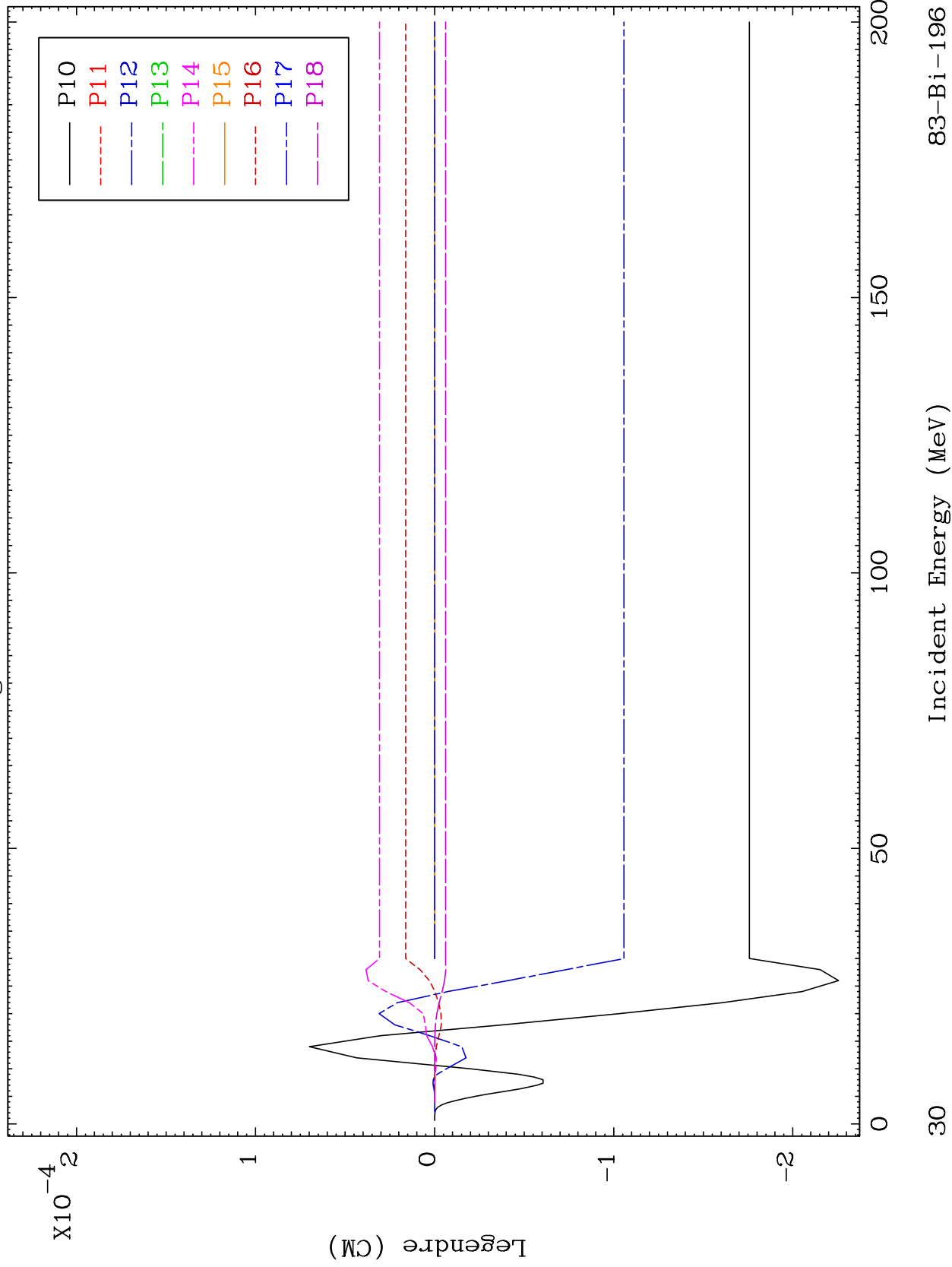
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83-Bi-196

MAT 8286

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

83-Bi-196



83-Bi-196

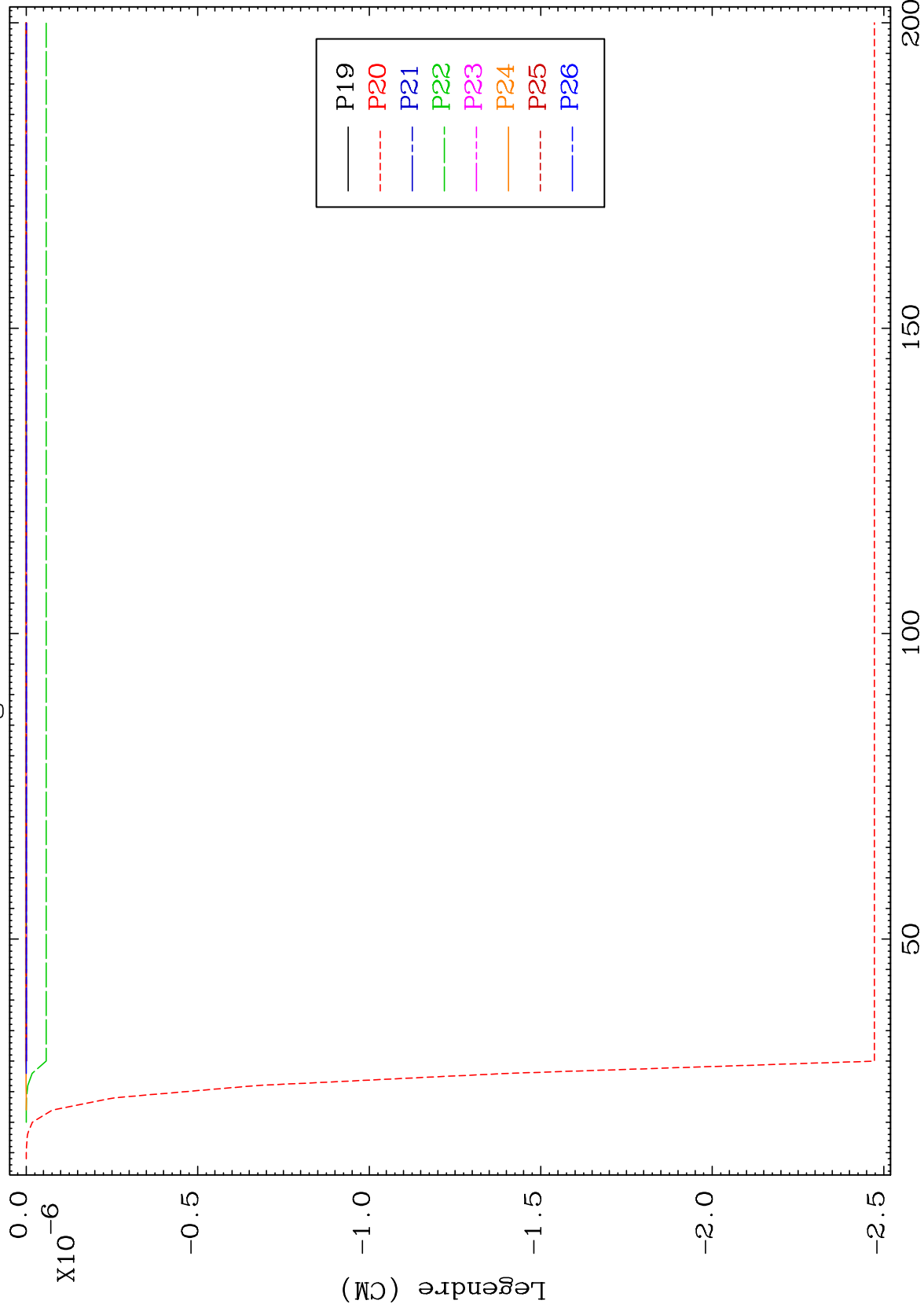
Incident Energy (MeV)

30

MAT 8286

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

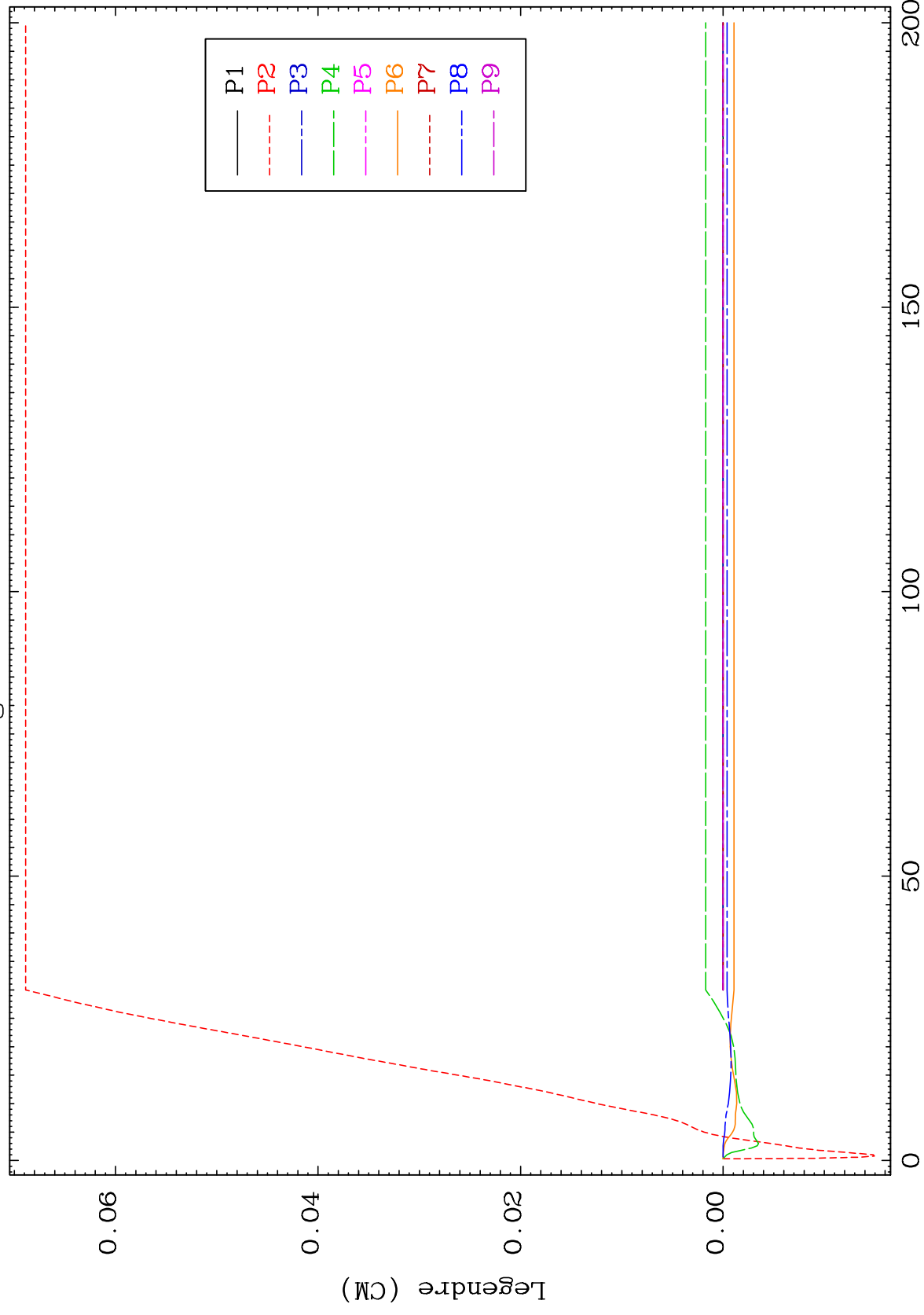
83-Bi-196



MAT 8286

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

83-Bi-196



32

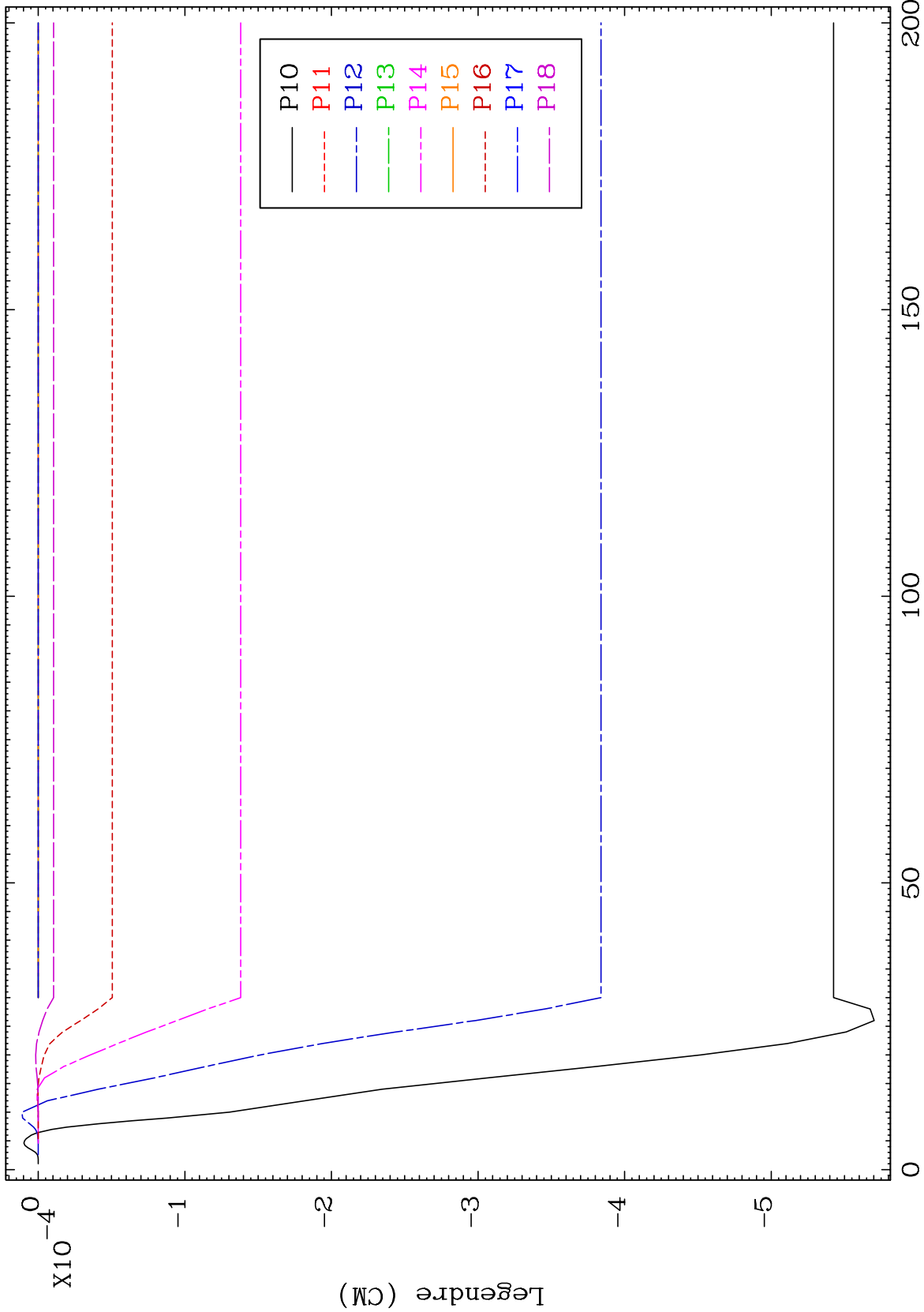
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



33

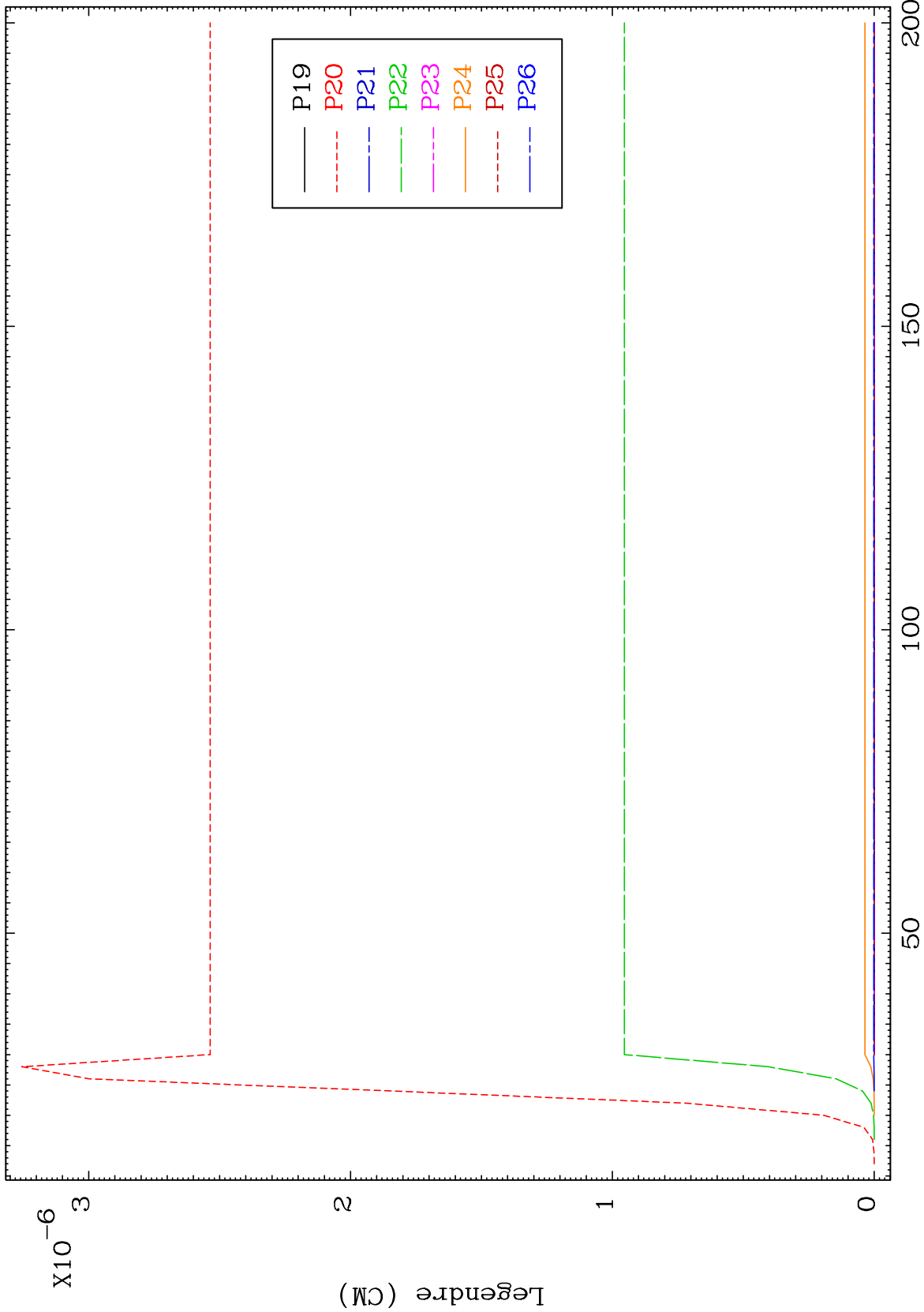
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



34

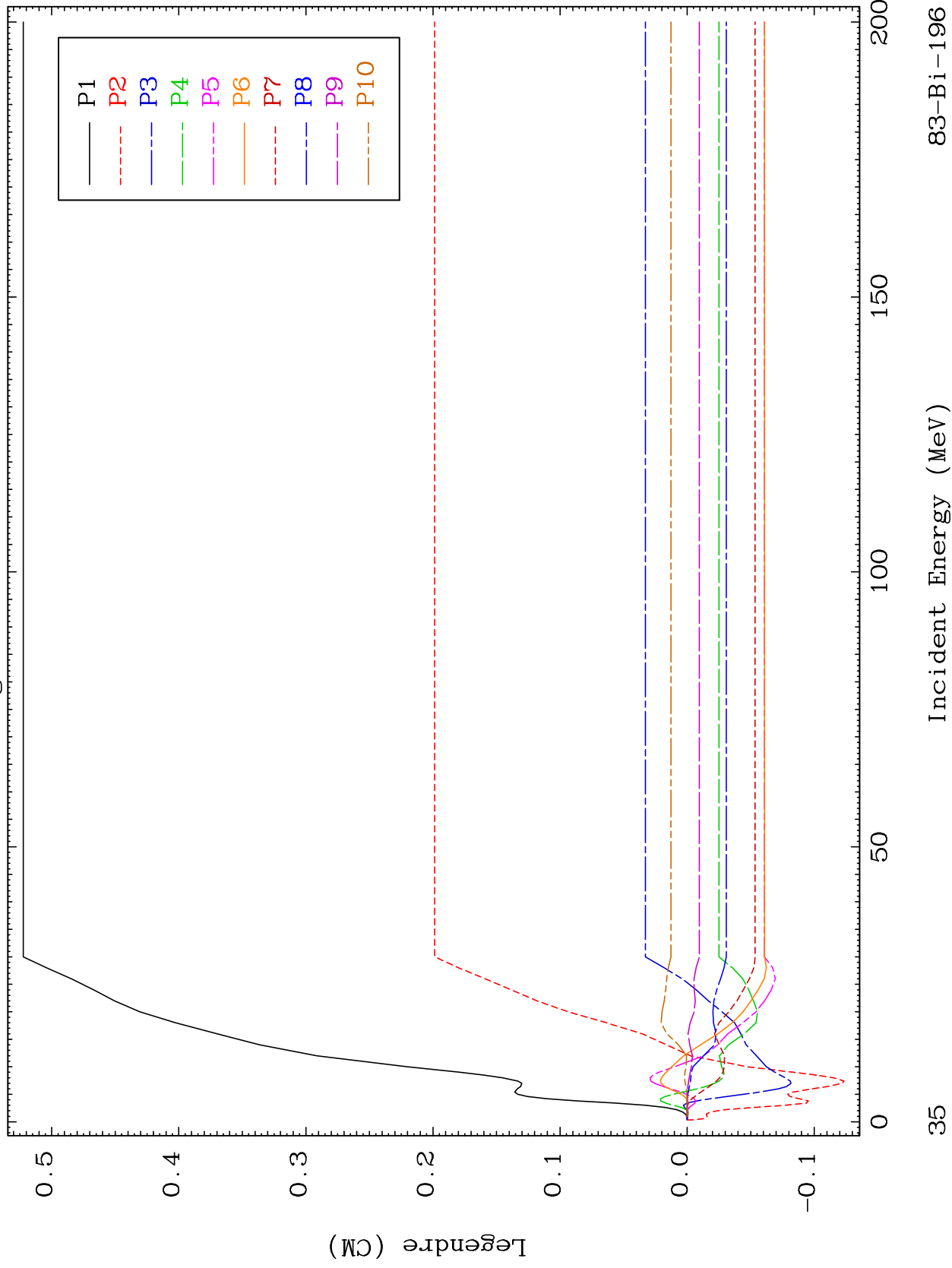
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



83-Bi-196

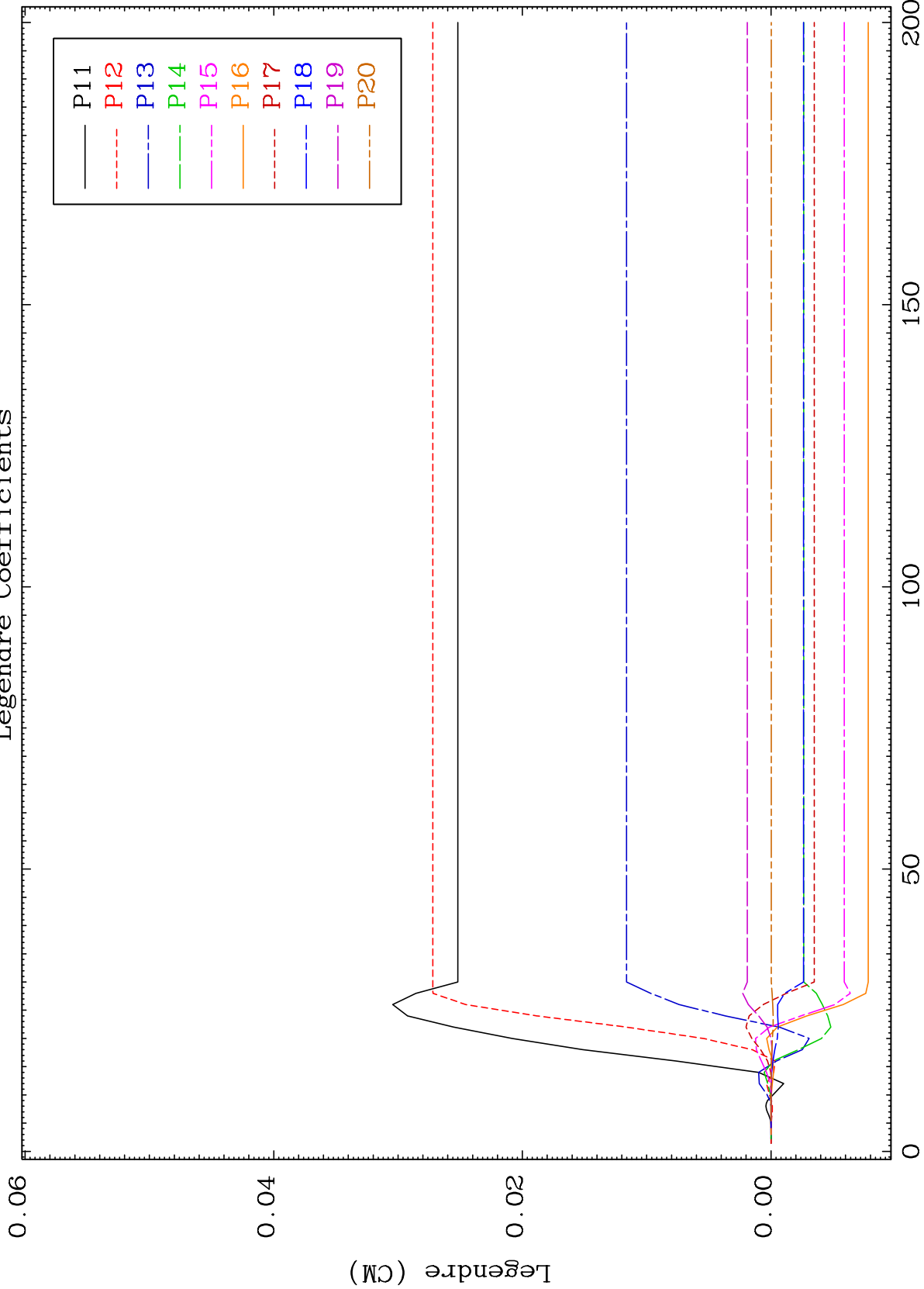
Incident Energy (MeV)

35

MAT 8286

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

83-Bi-196



36

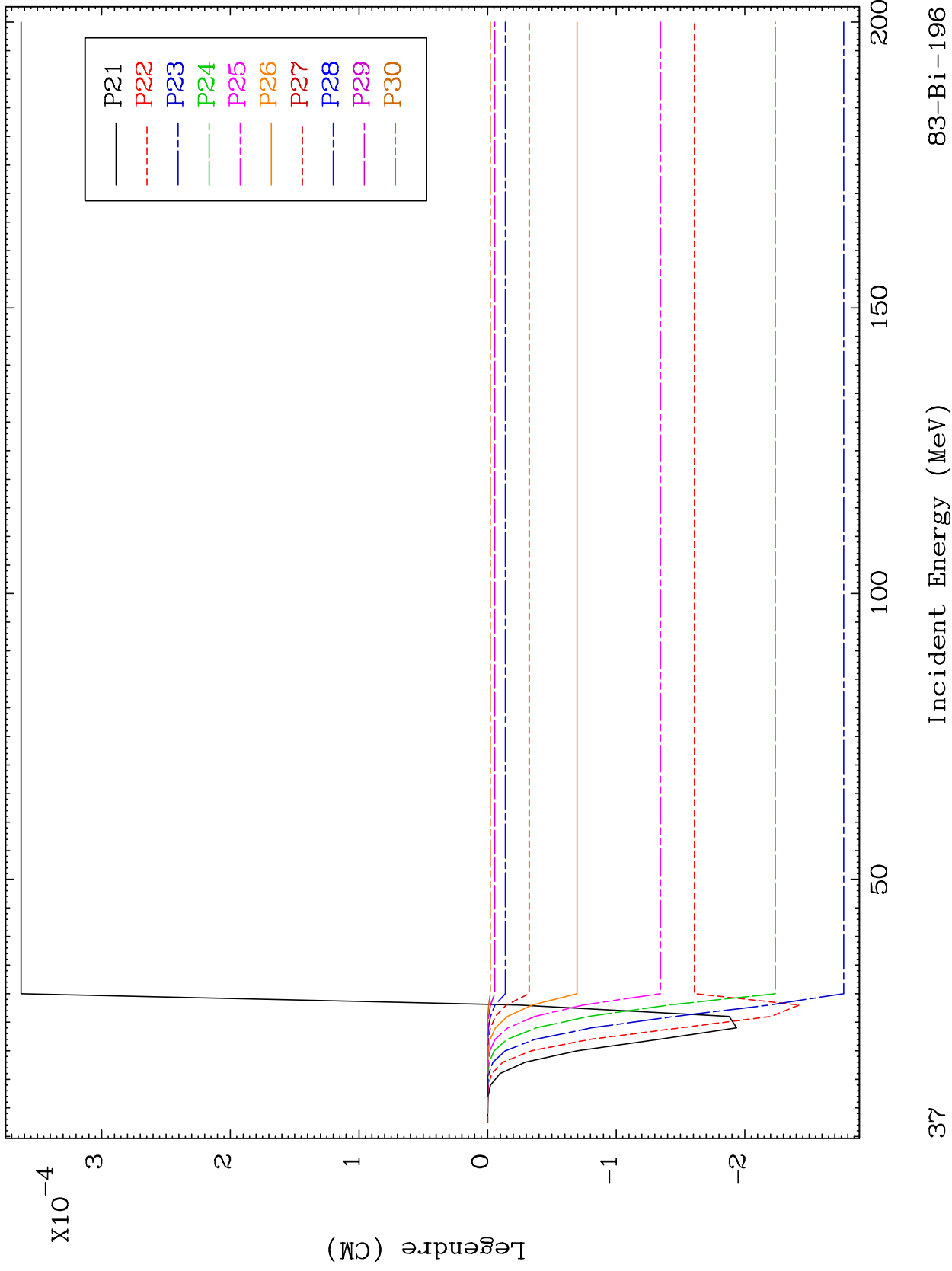
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



37

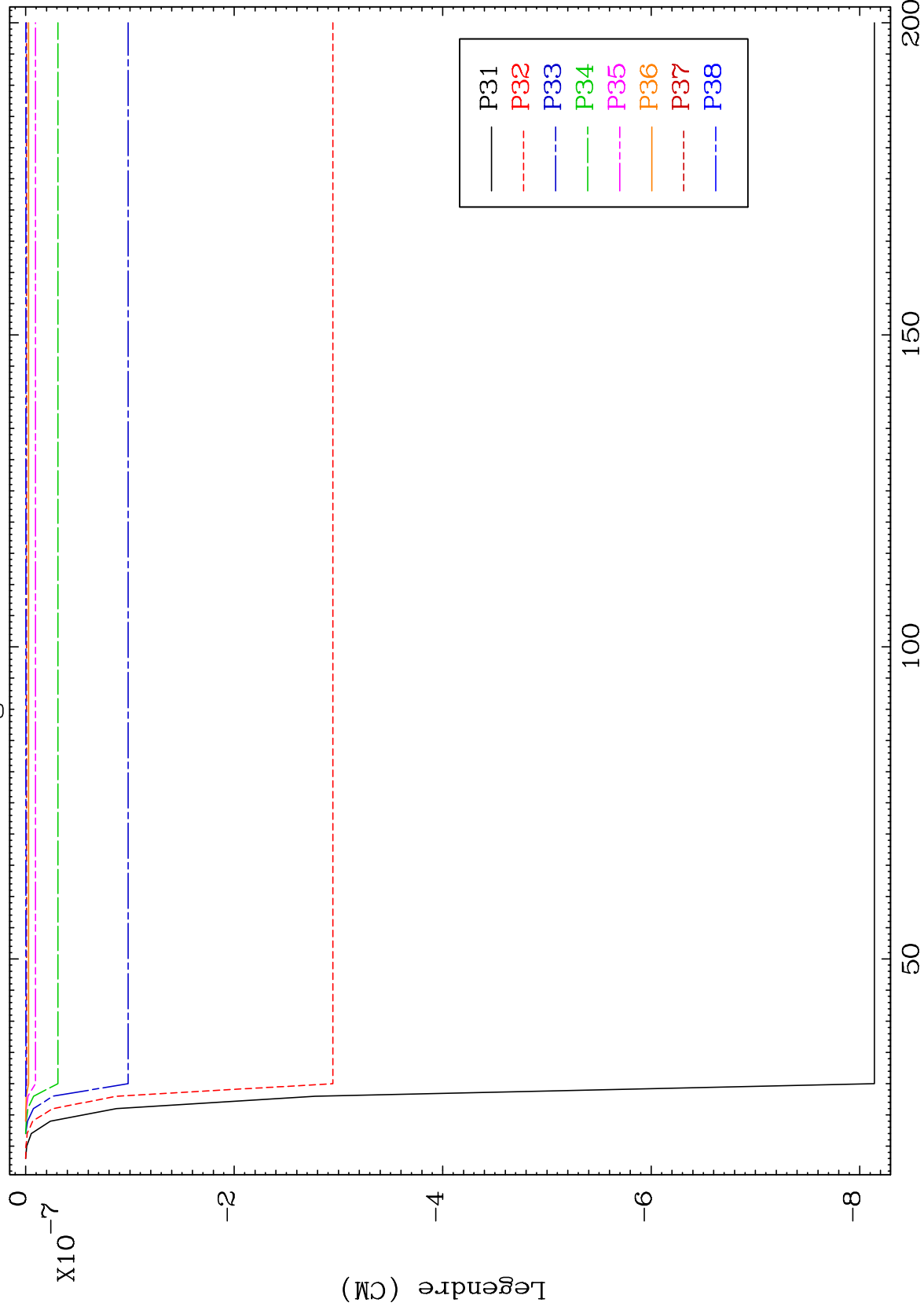
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



38

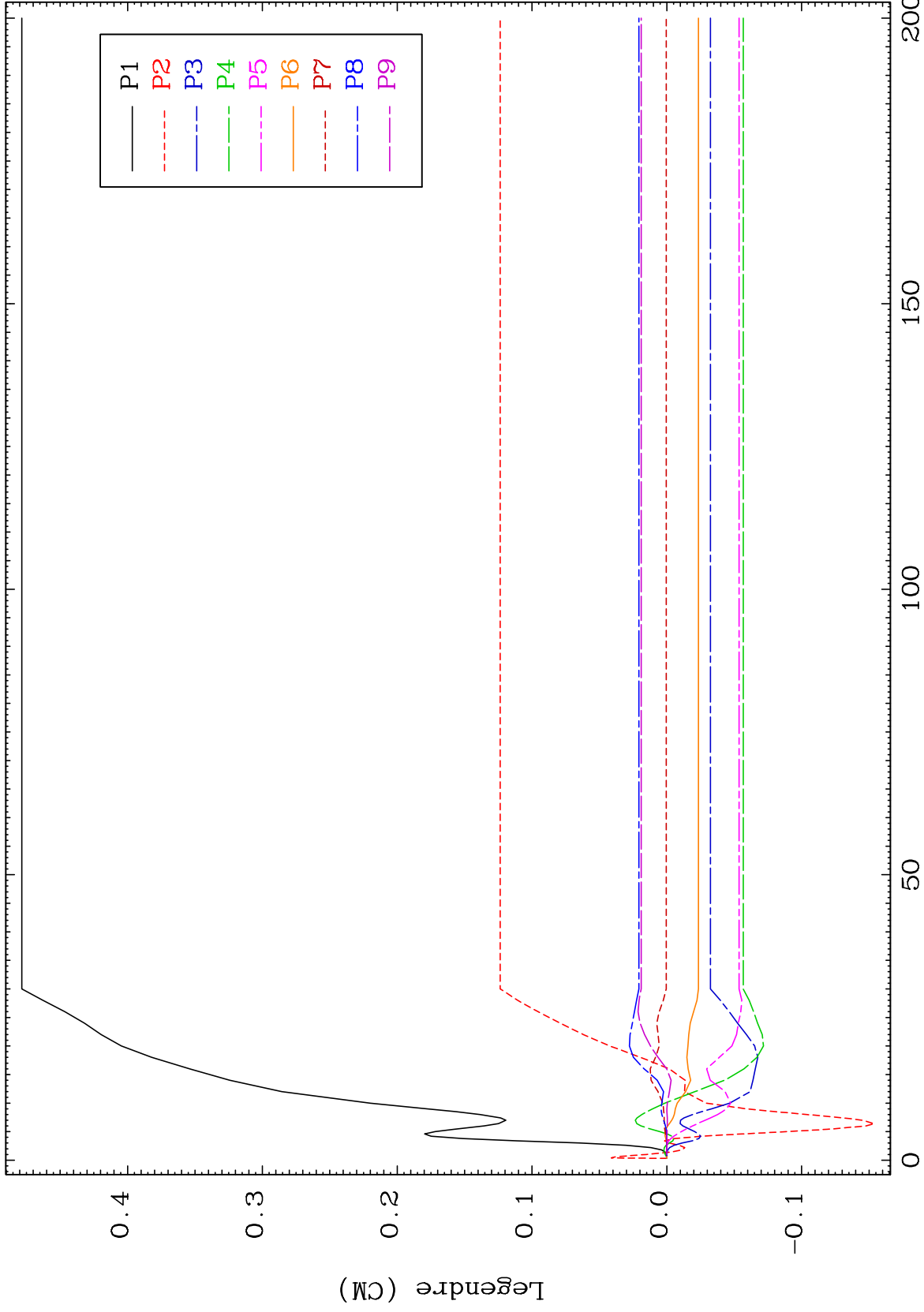
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



39

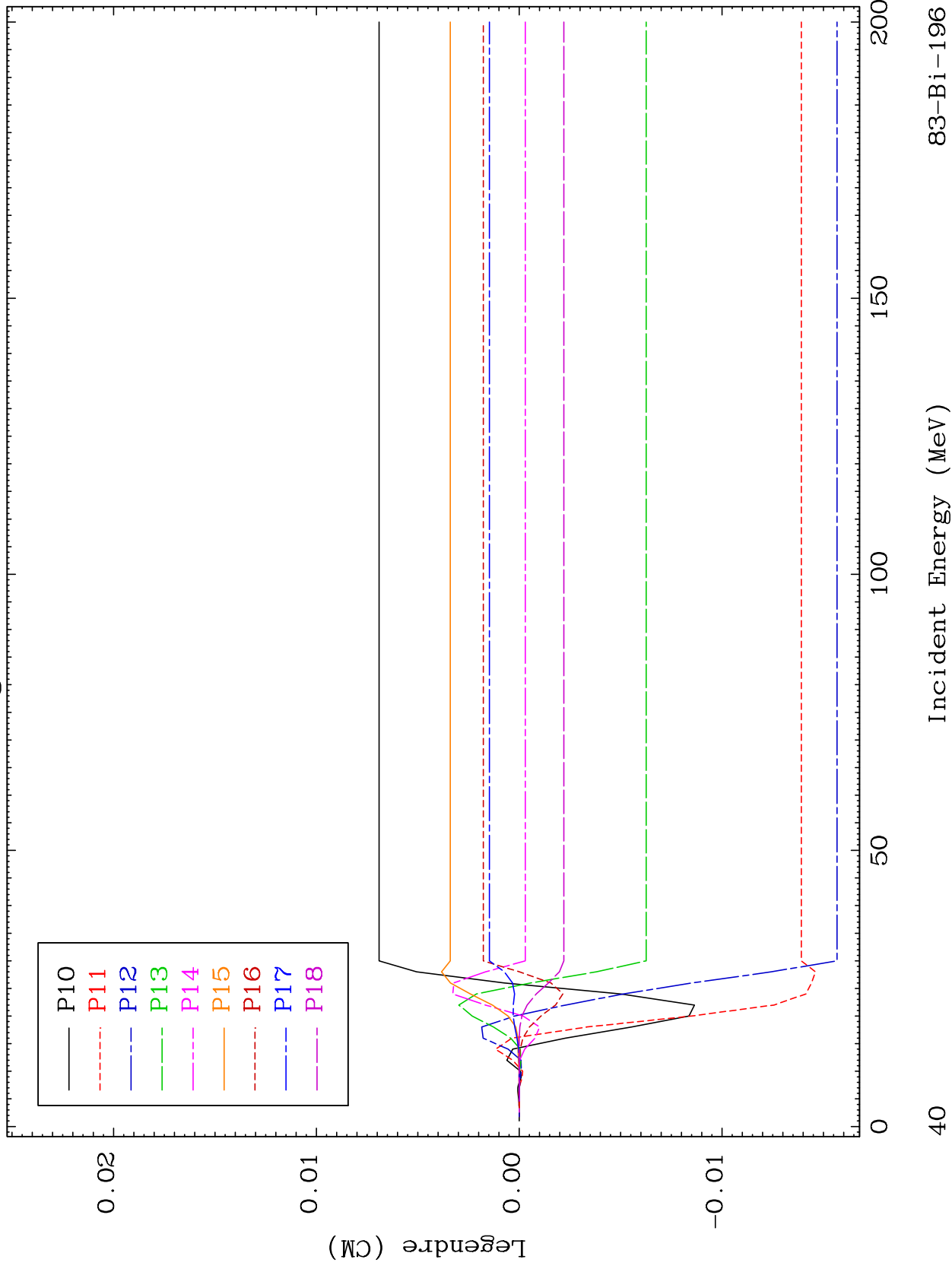
Incident Energy (MeV)

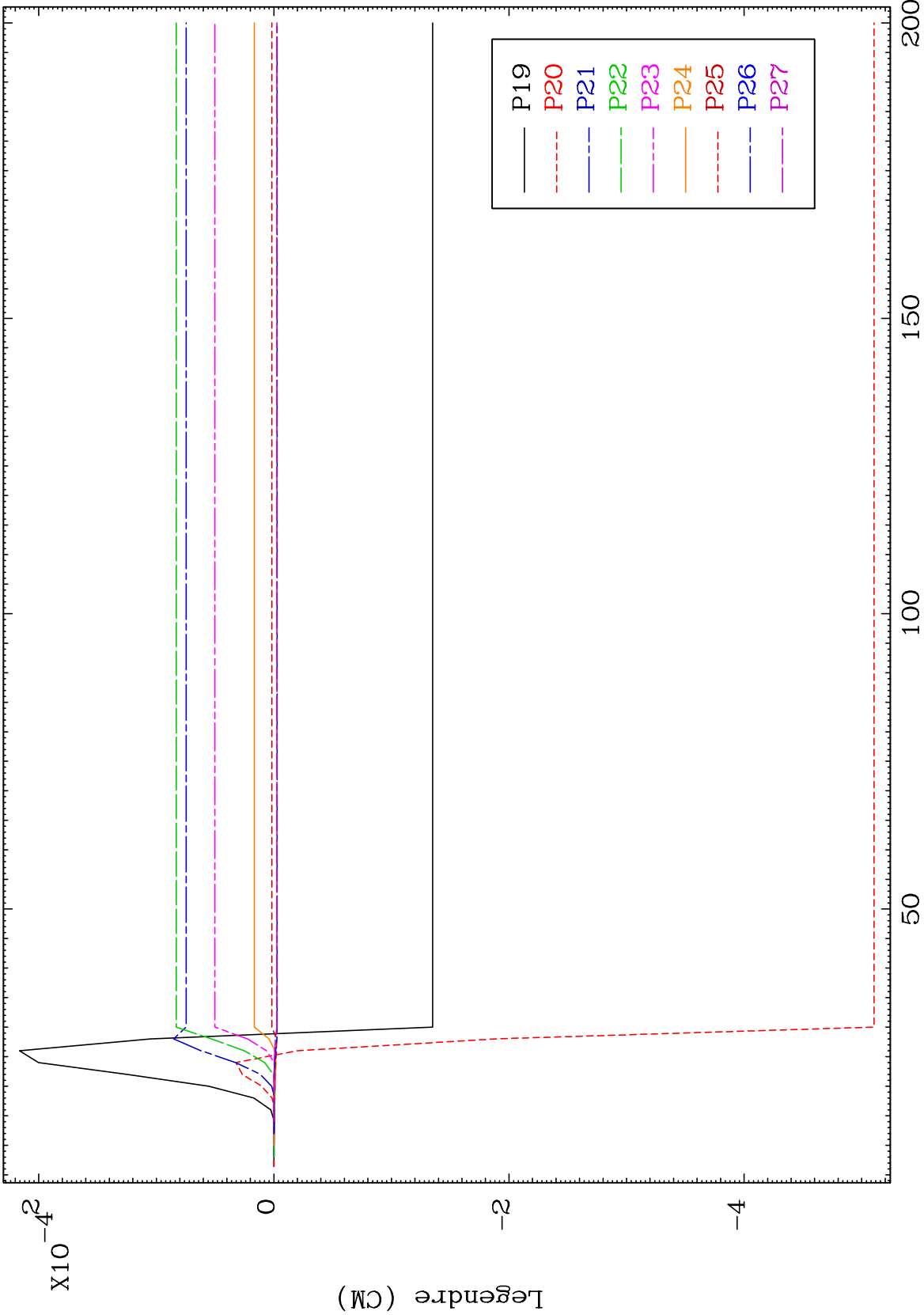
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MAT 8286

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

83-Bi-196

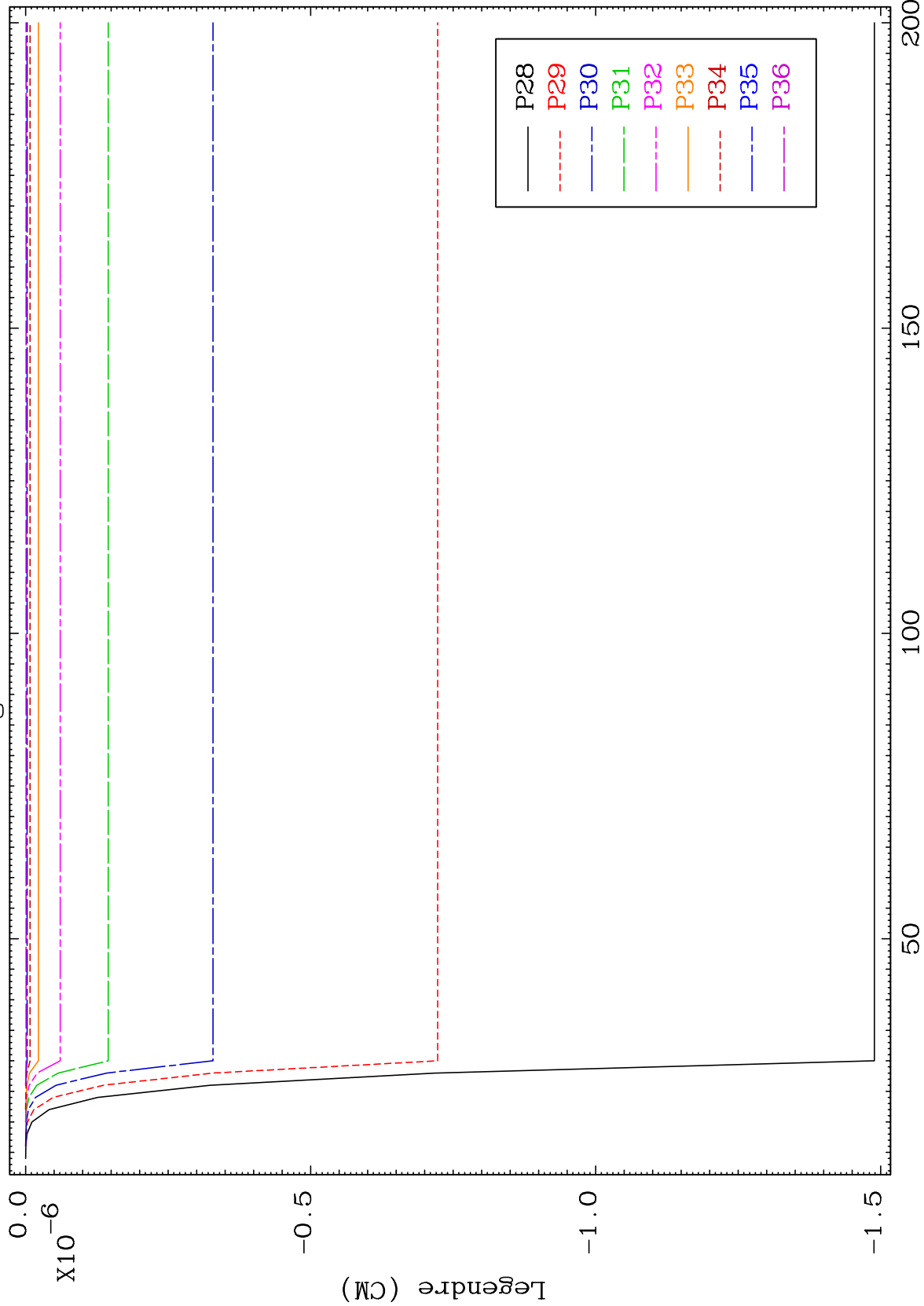




MAT 8286

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

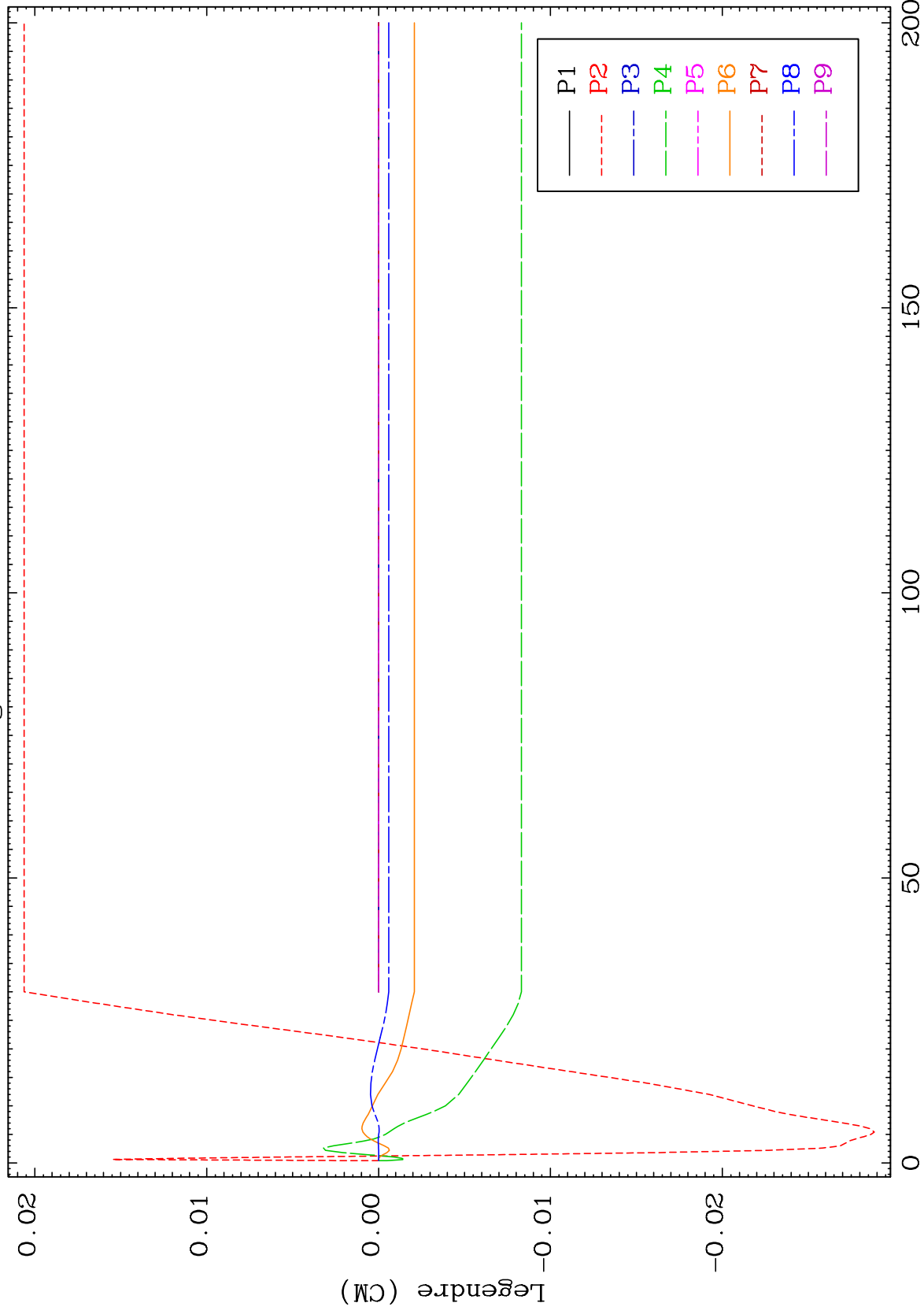
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MAT 8286

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

83-Bi-196



43

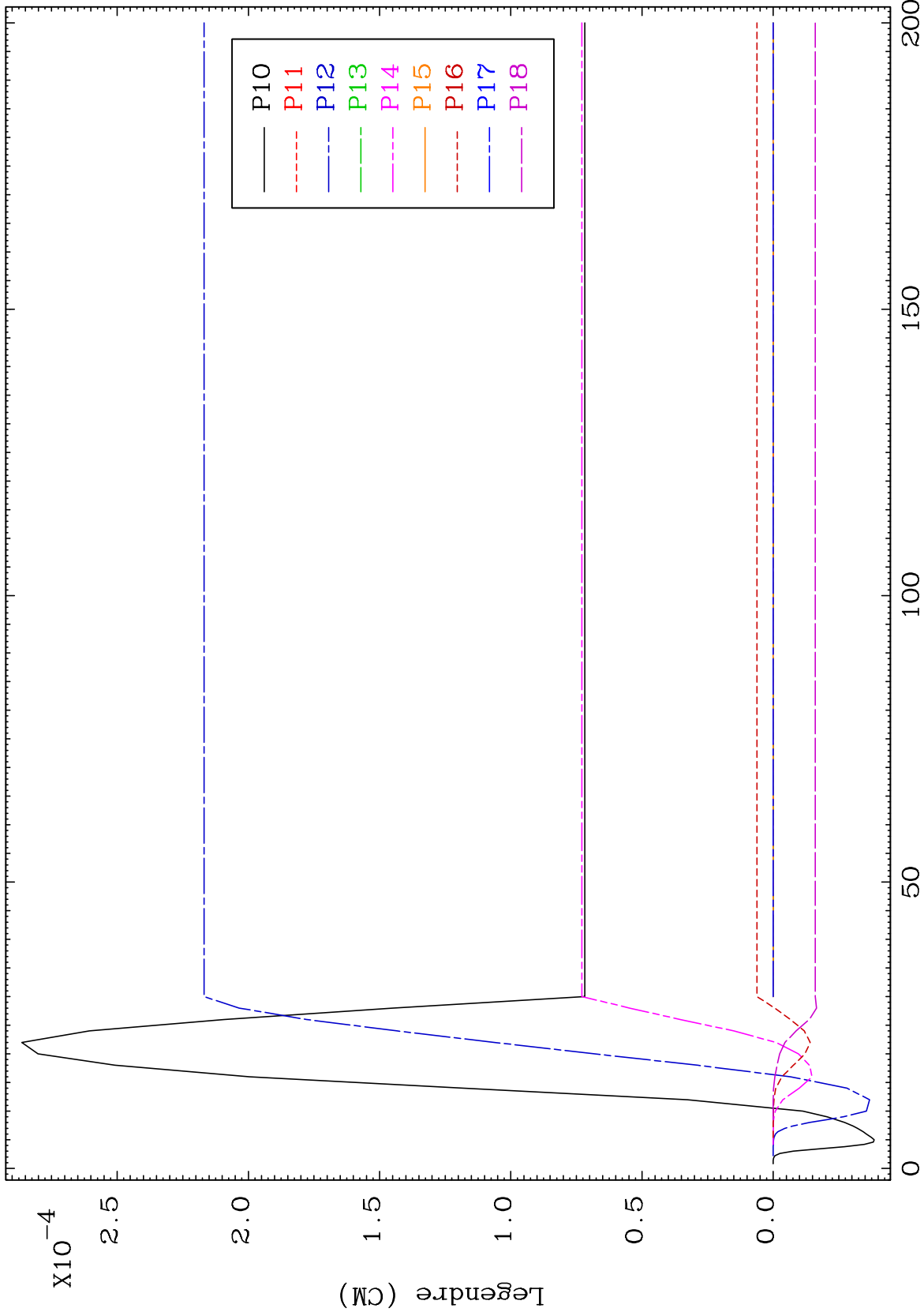
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



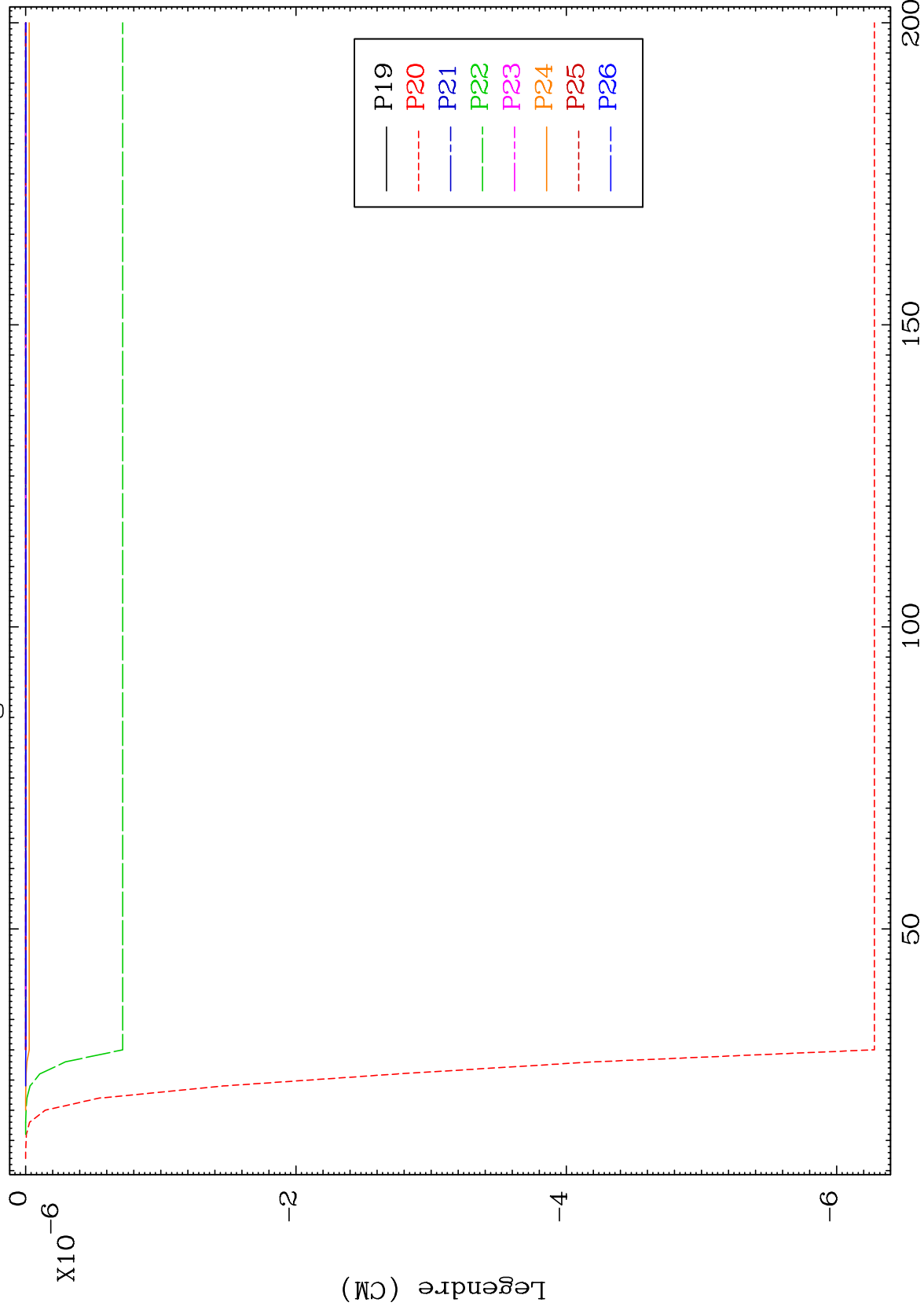
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83-Bi-196

MAT 8286

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

83-Bi-196



45

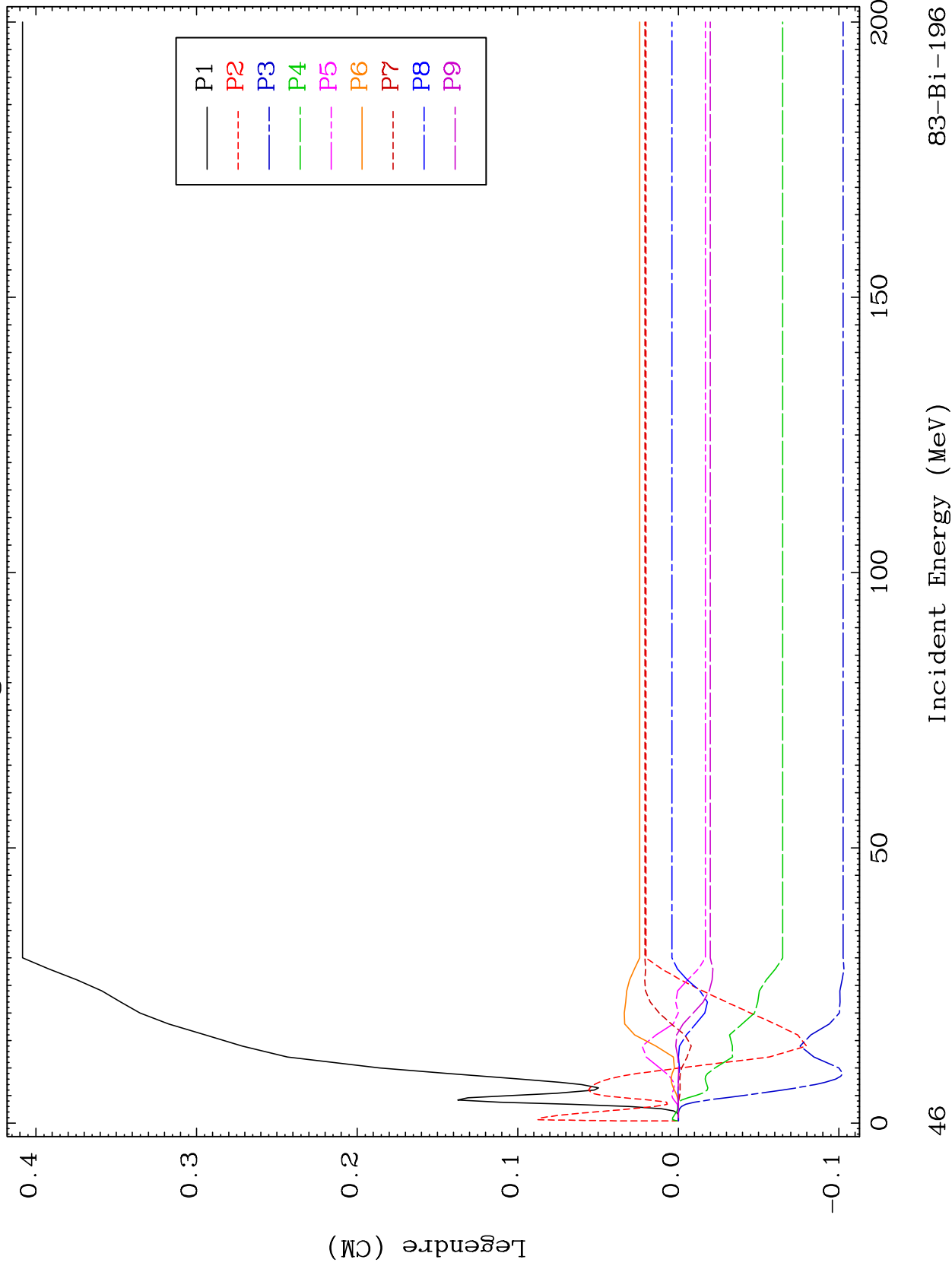
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



83-Bi-196

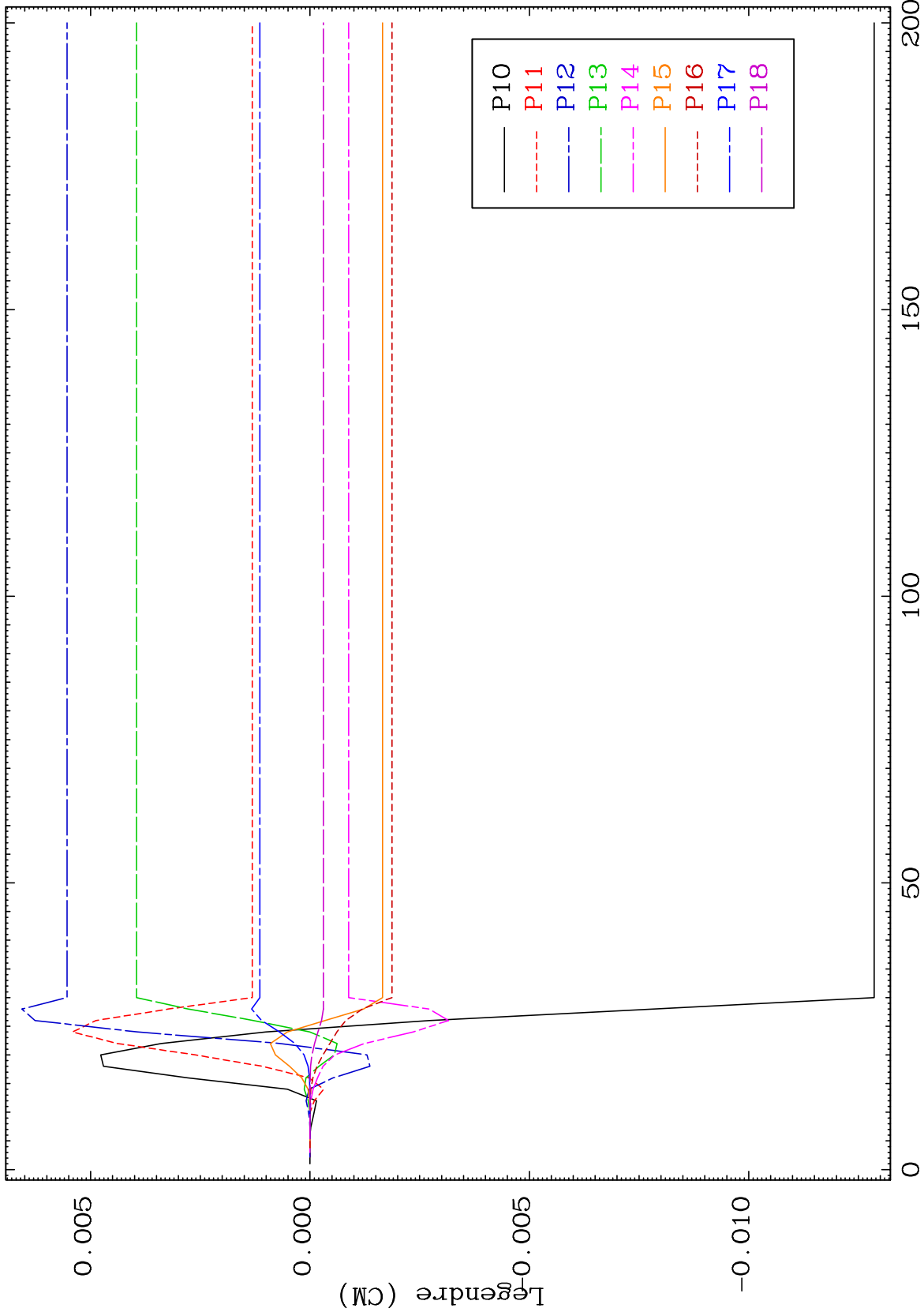
Incident Energy (MeV)

46

MAT 8286

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

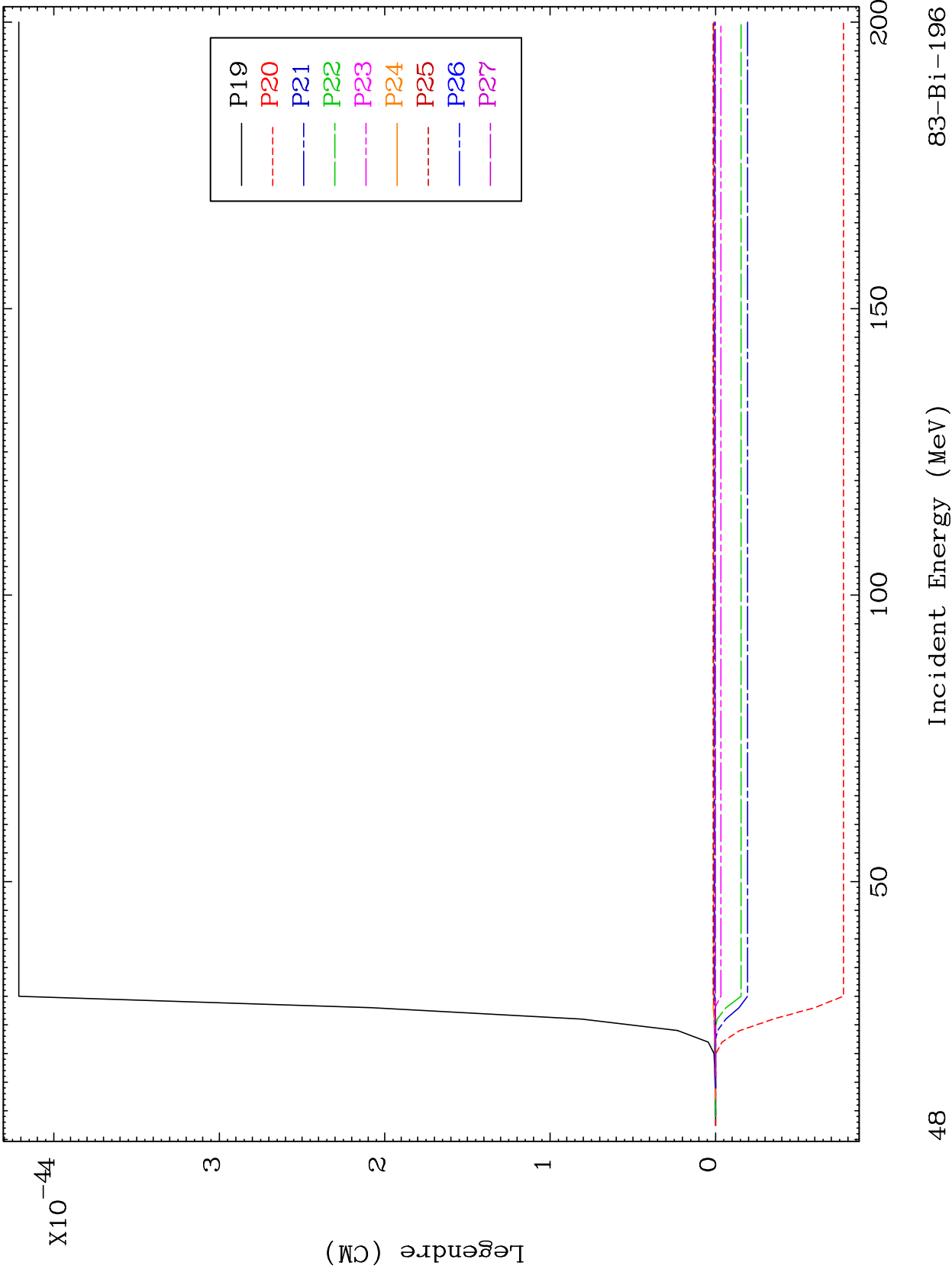
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MAT 8286

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

83-Bi-196



48

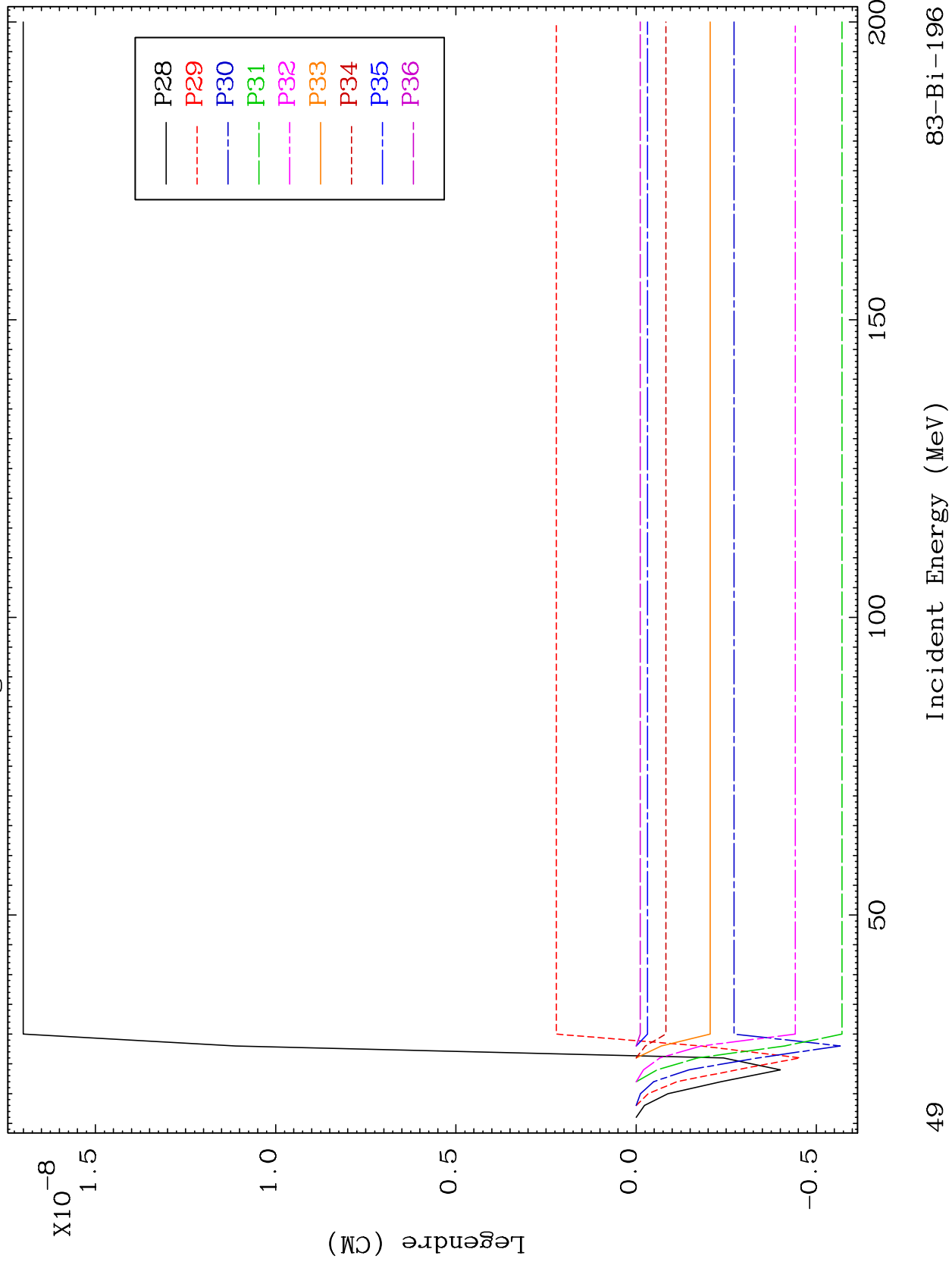
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



49

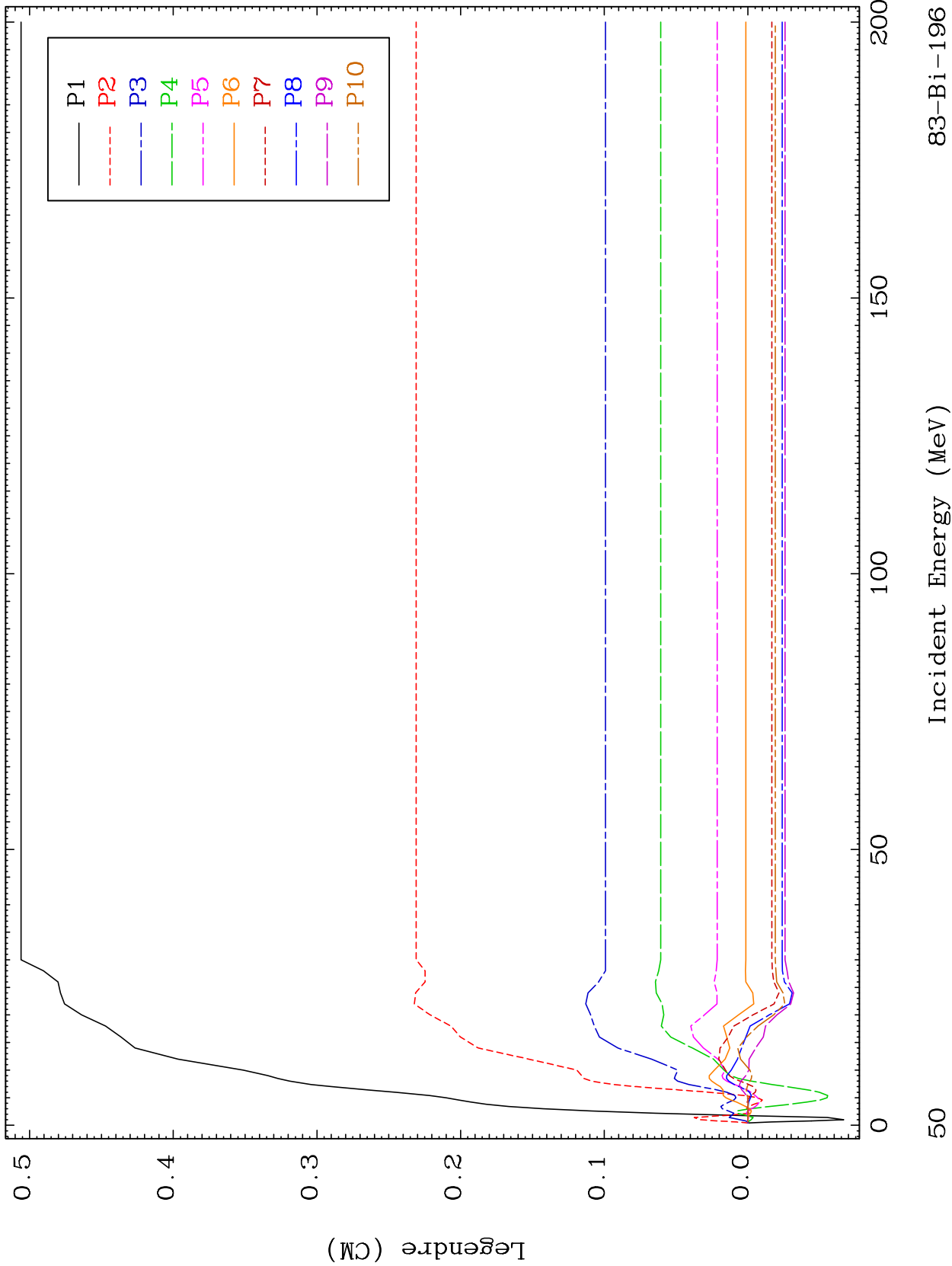
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



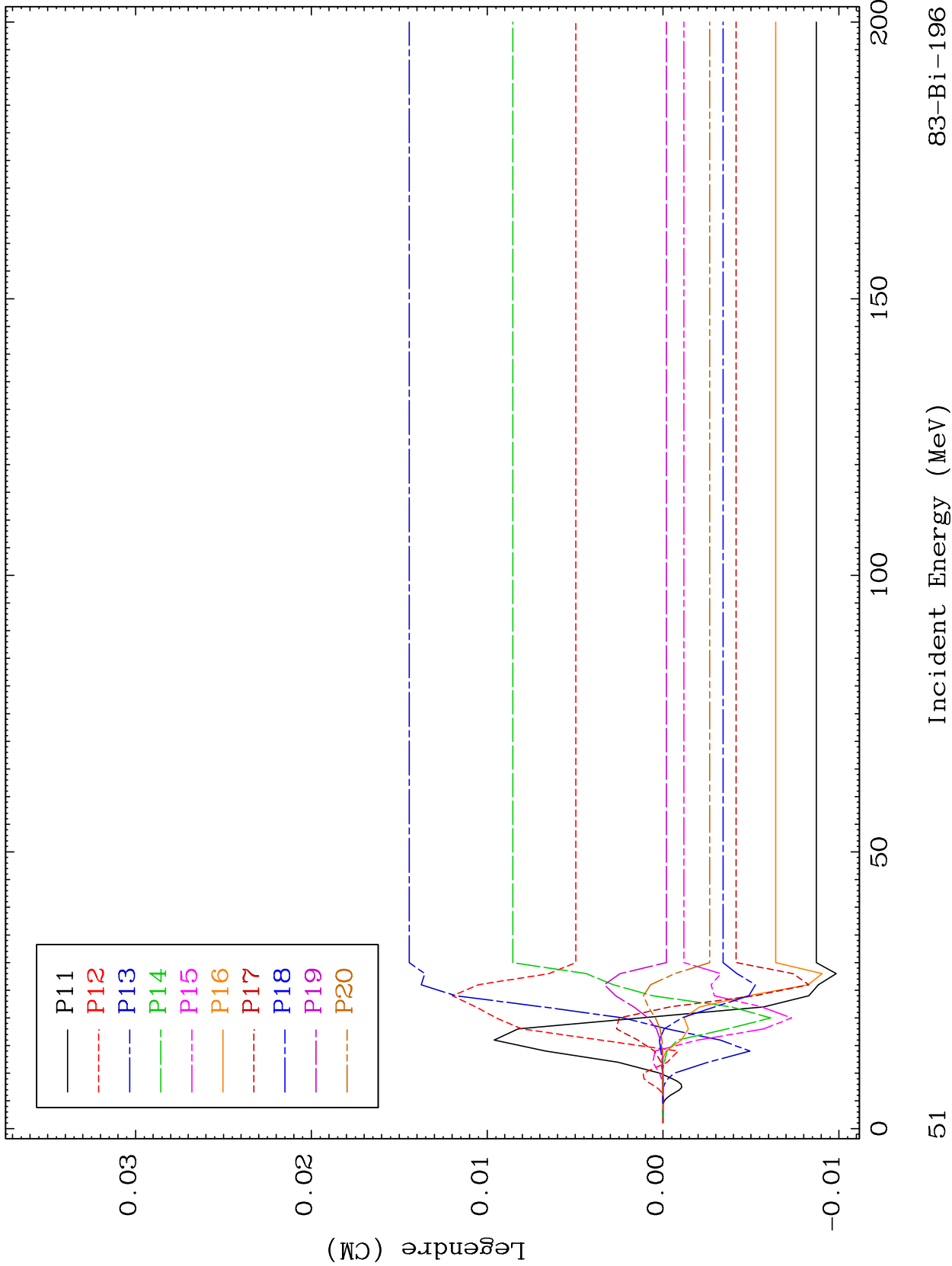
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Incident Energy (MeV)

MAT 8286

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

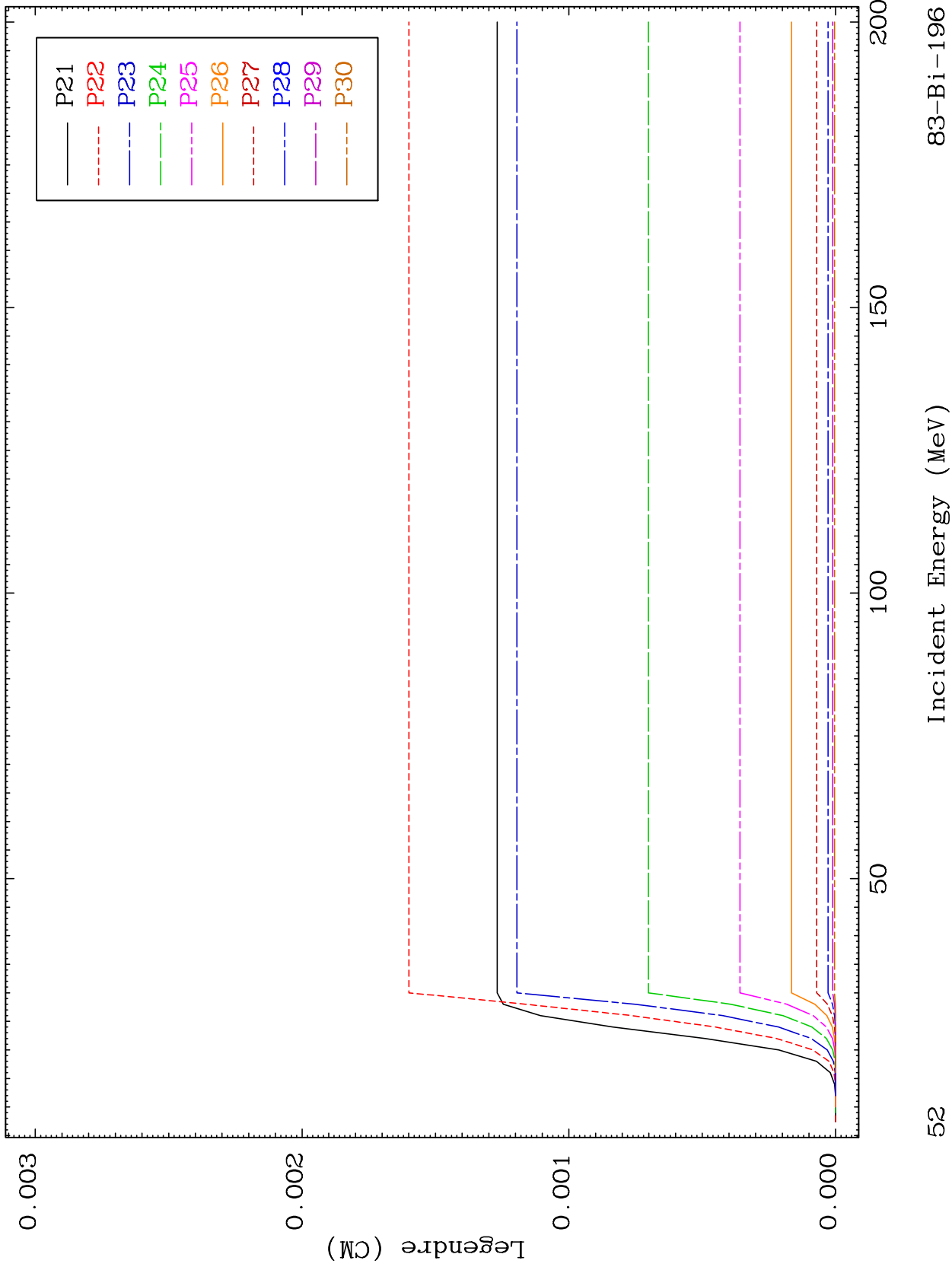
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MAT 8286

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

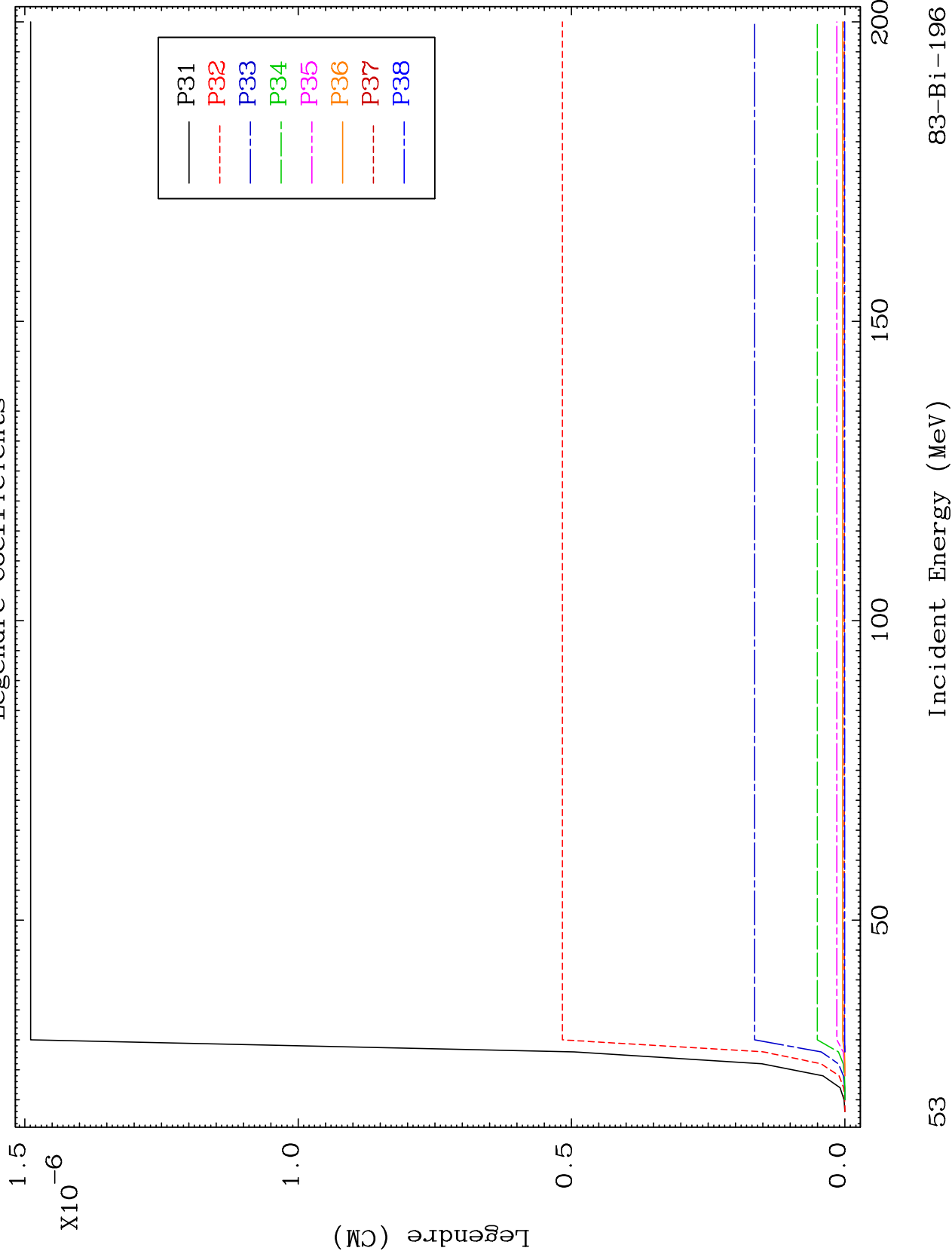
83-Bi-196



52

Incident Energy (MeV)

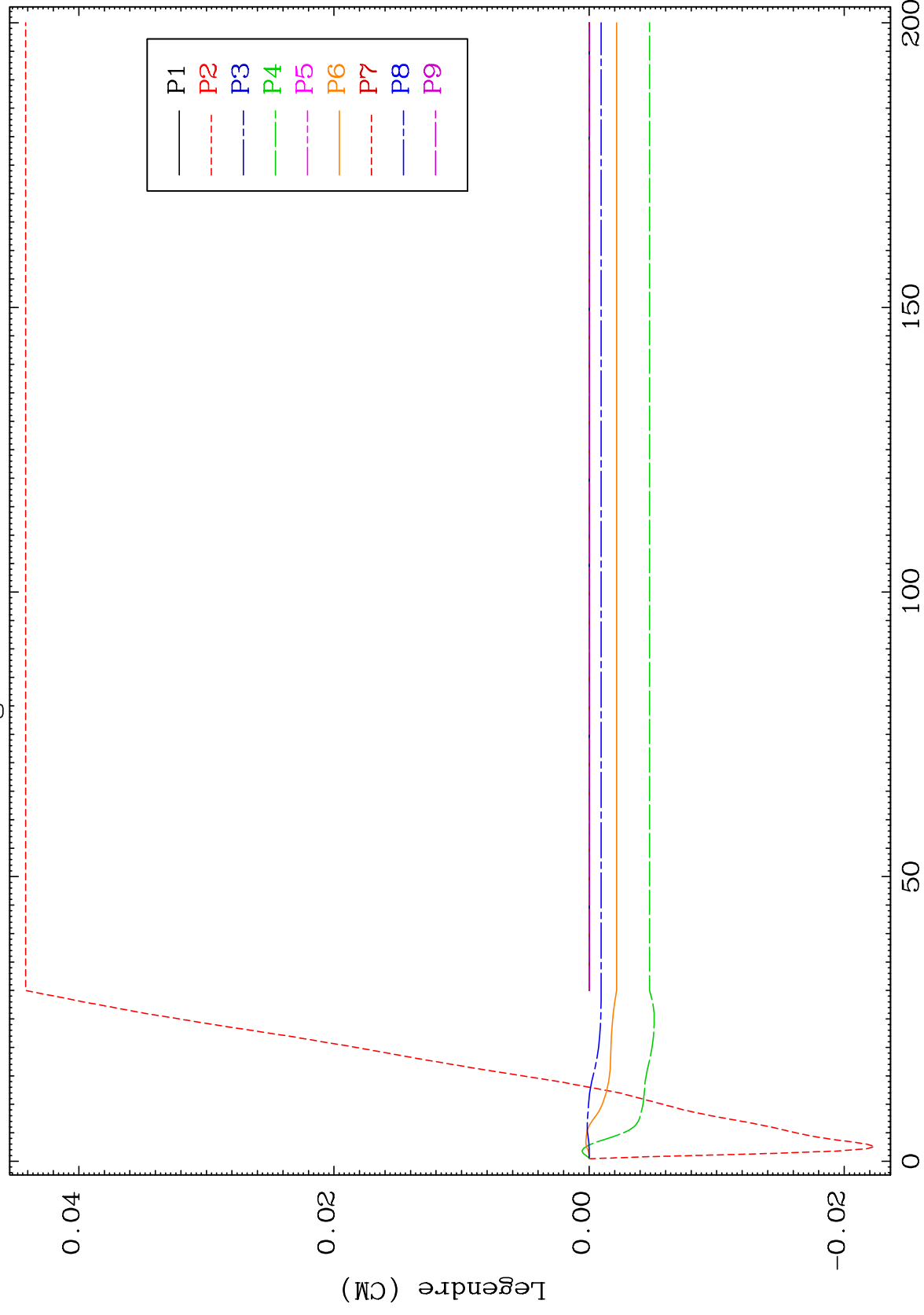
83-Bi-196



MAT 8286

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

83-Bi-196



54

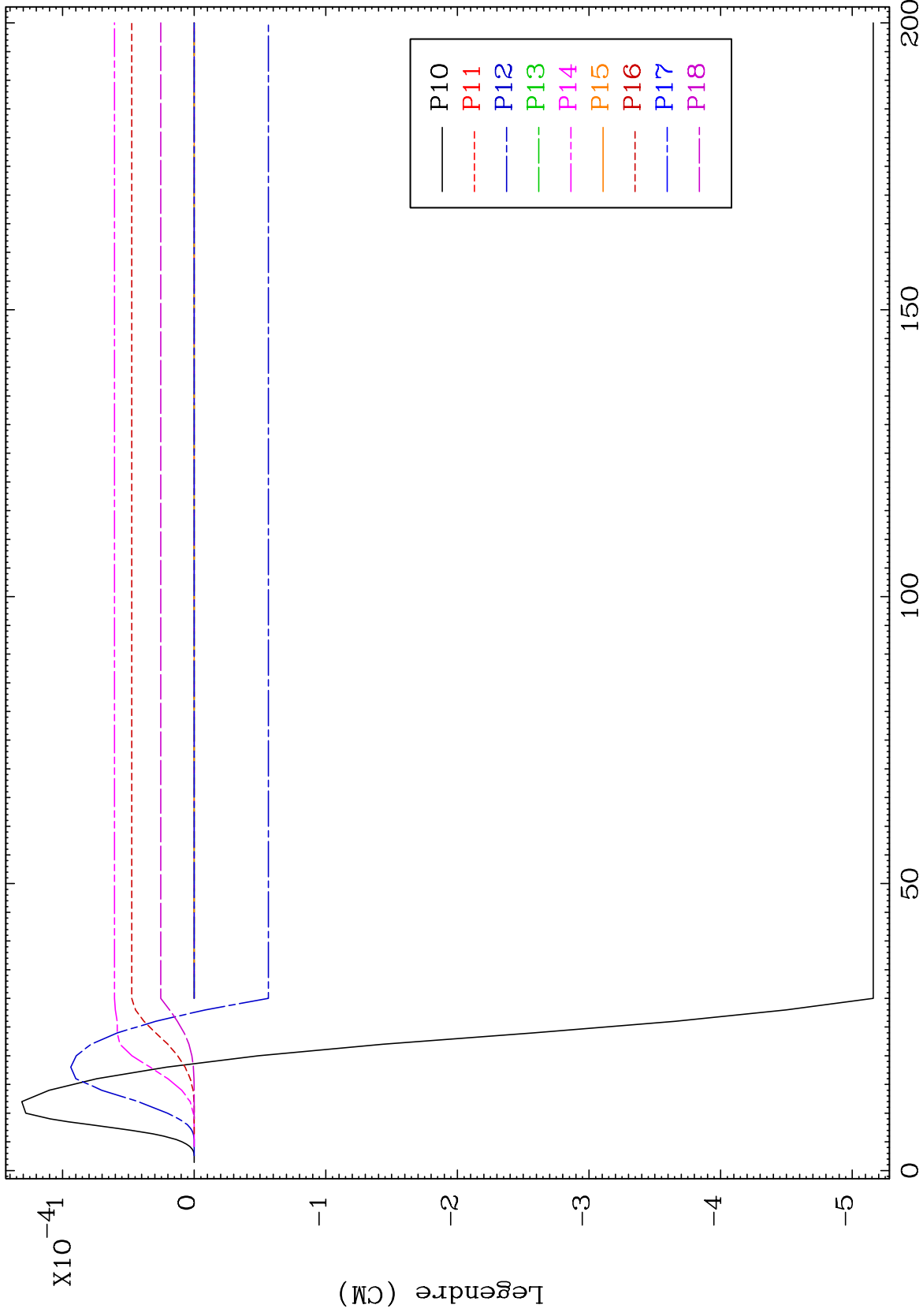
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

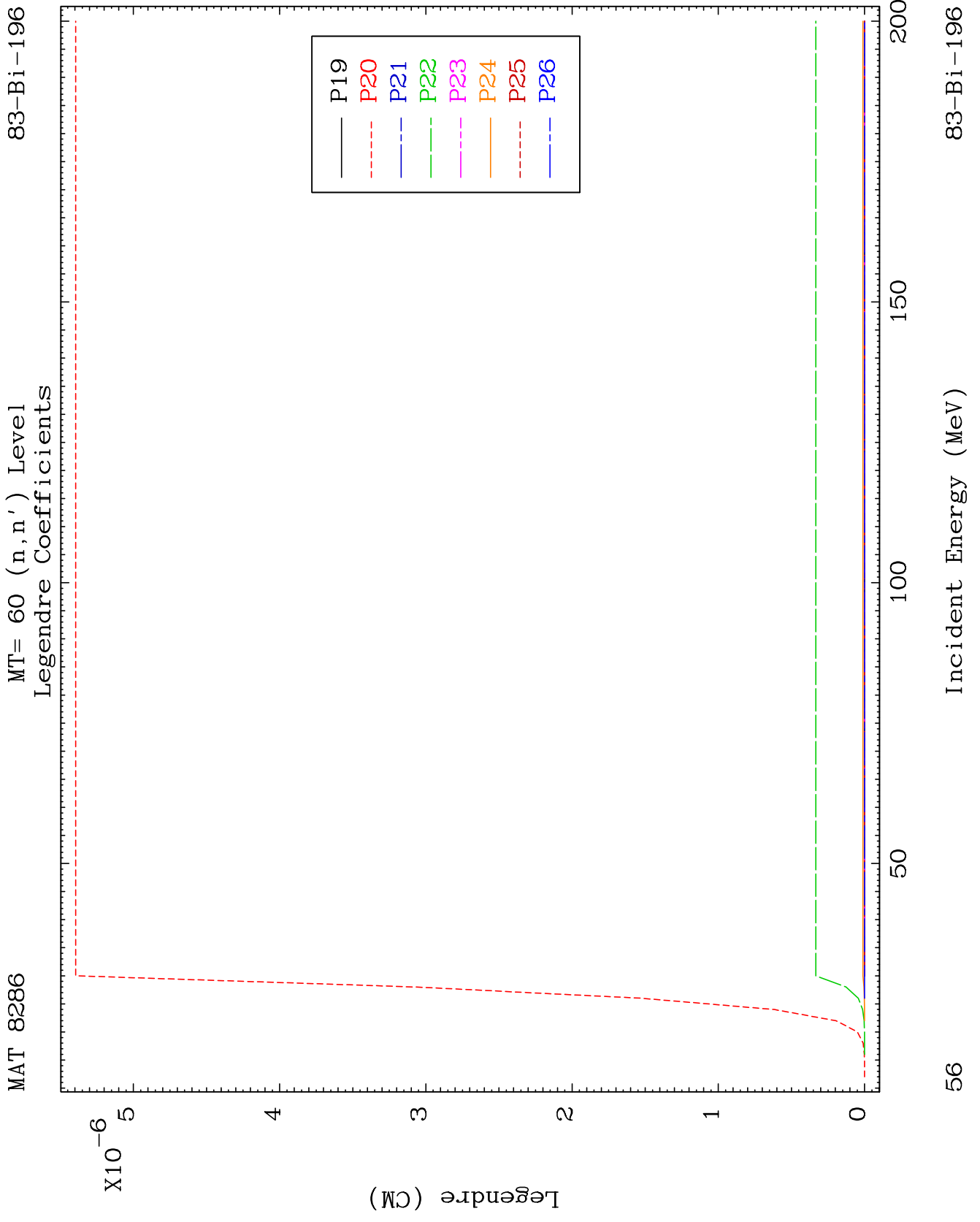
83-Bi-196



55

Incident Energy (MeV)

83-Bi-196



83-Bi-196

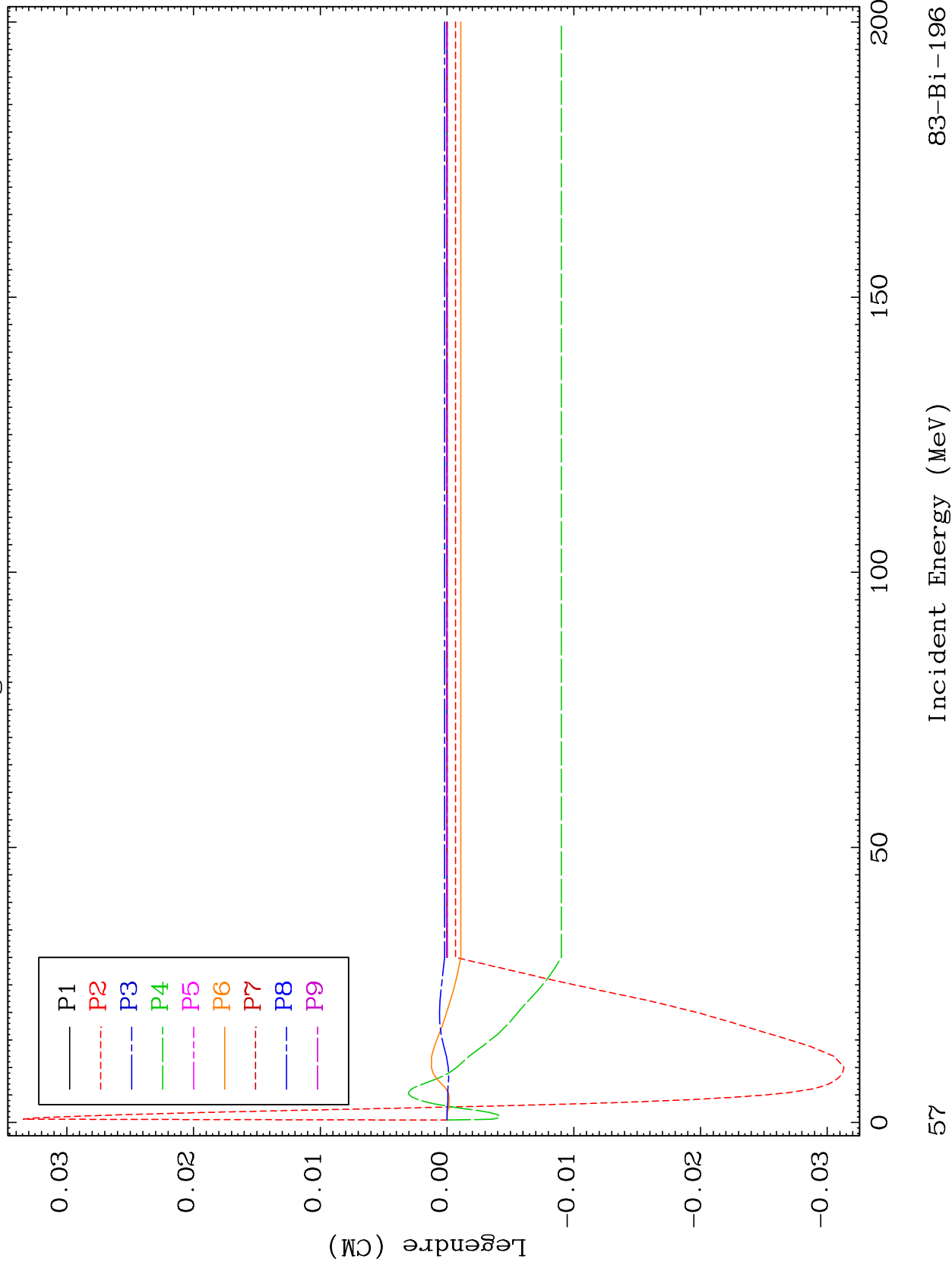
Incident Energy (MeV)

56

MAT 8286

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

83-Bi-196



83-Bi-196

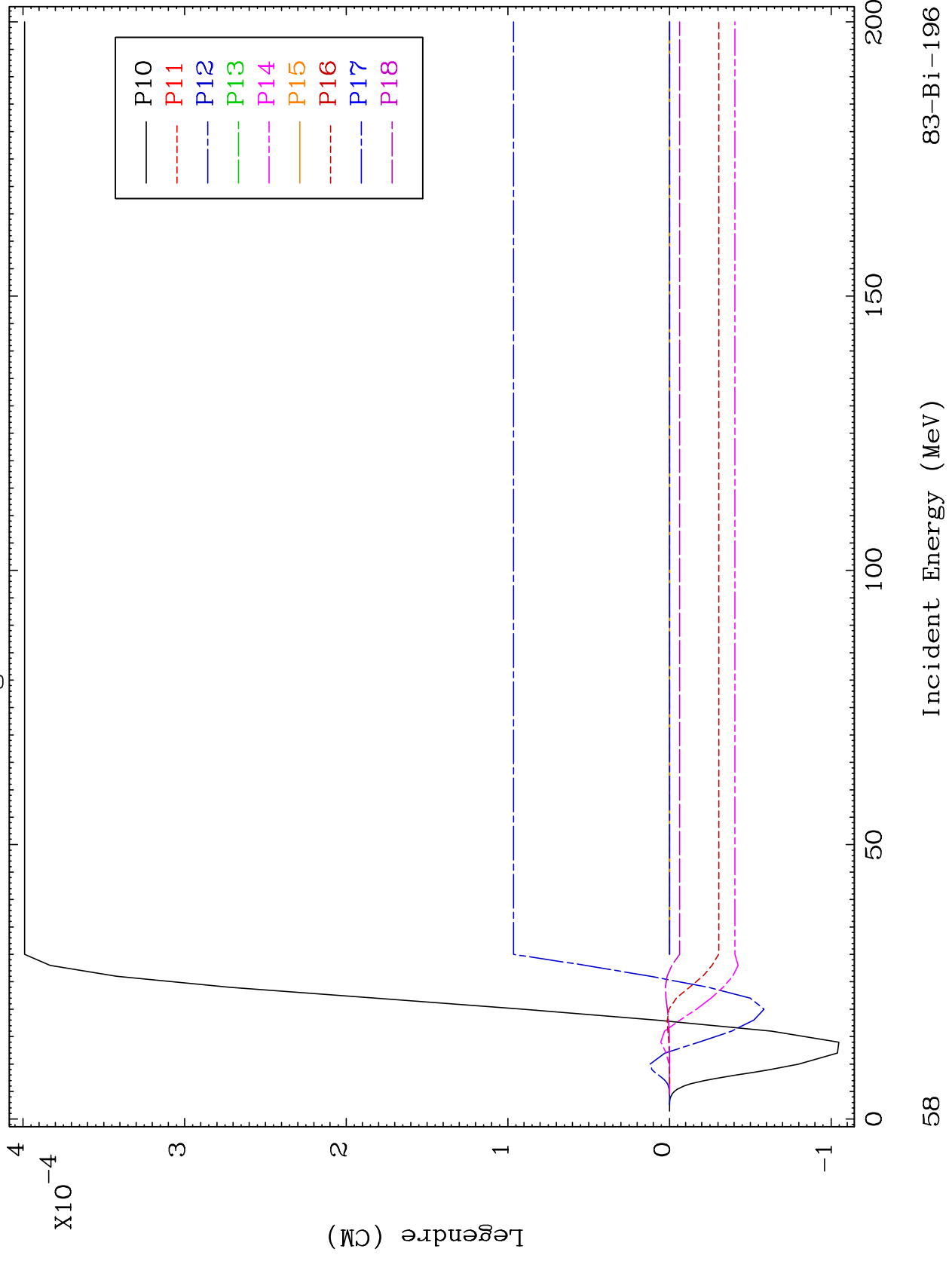
Incident Energy (MeV)

57

MAT 8286

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

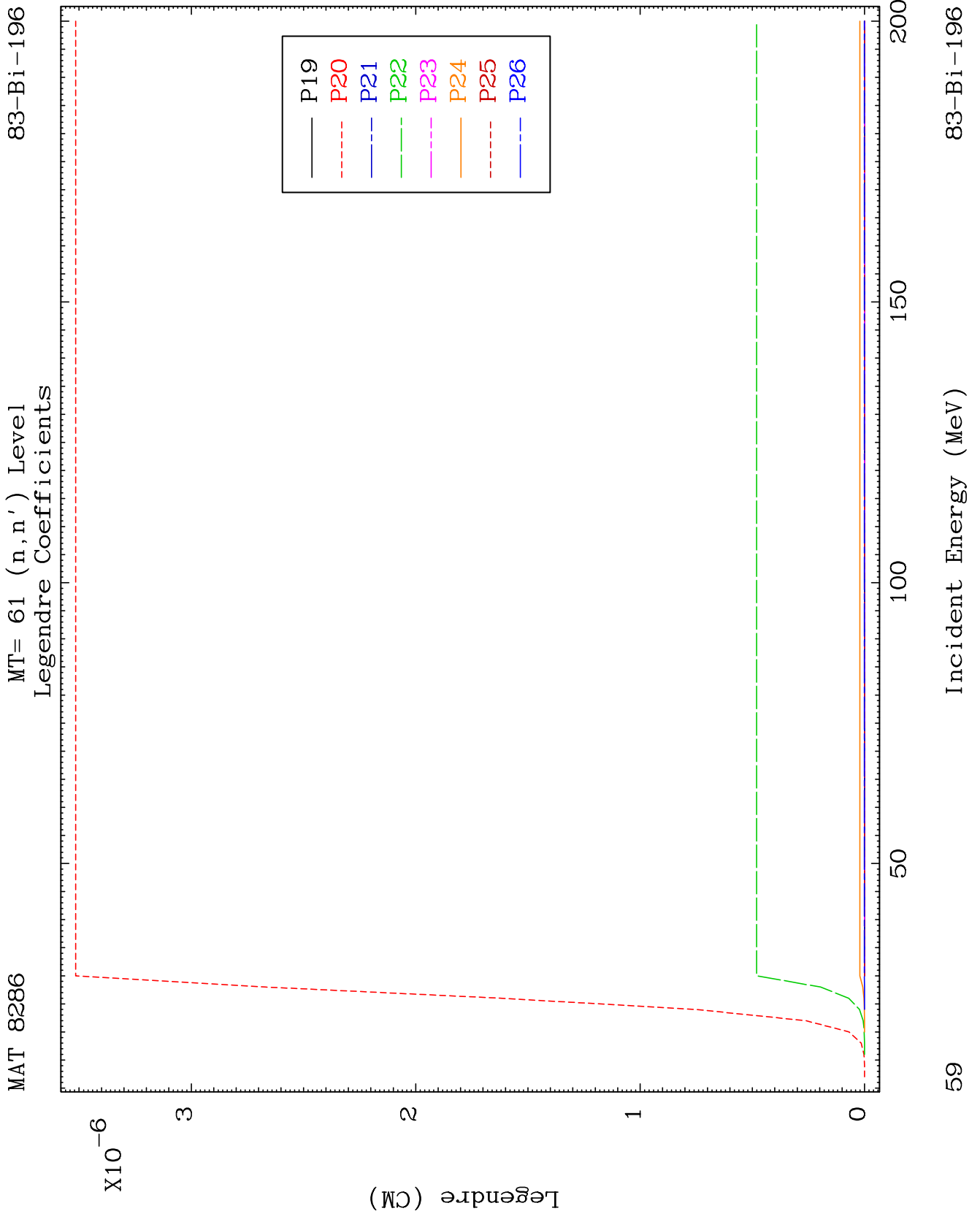
83-Bi-196



83-Bi-196

Incident Energy (MeV)

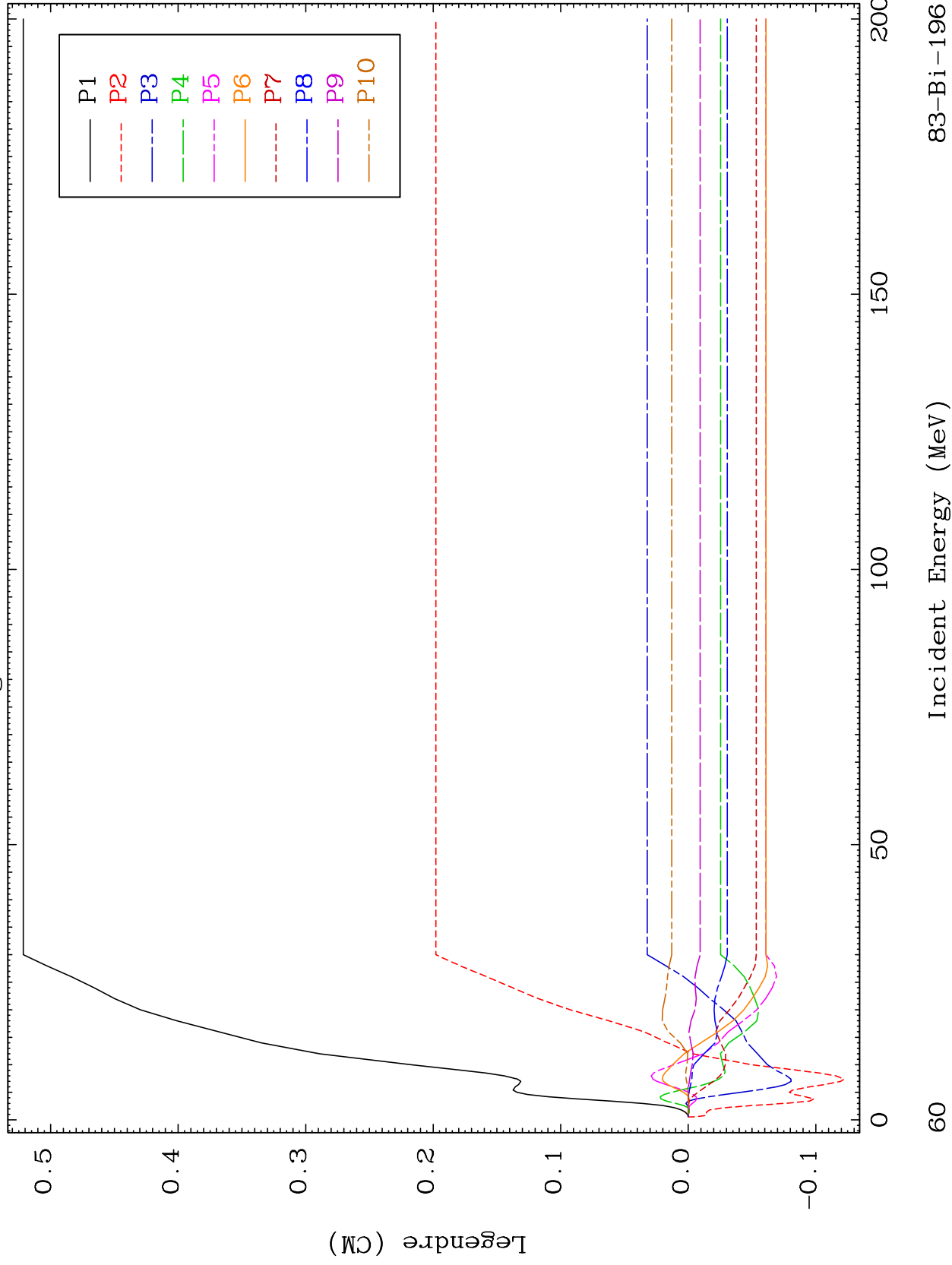
58



MAT 8286

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

83-Bi-196



83-Bi-196

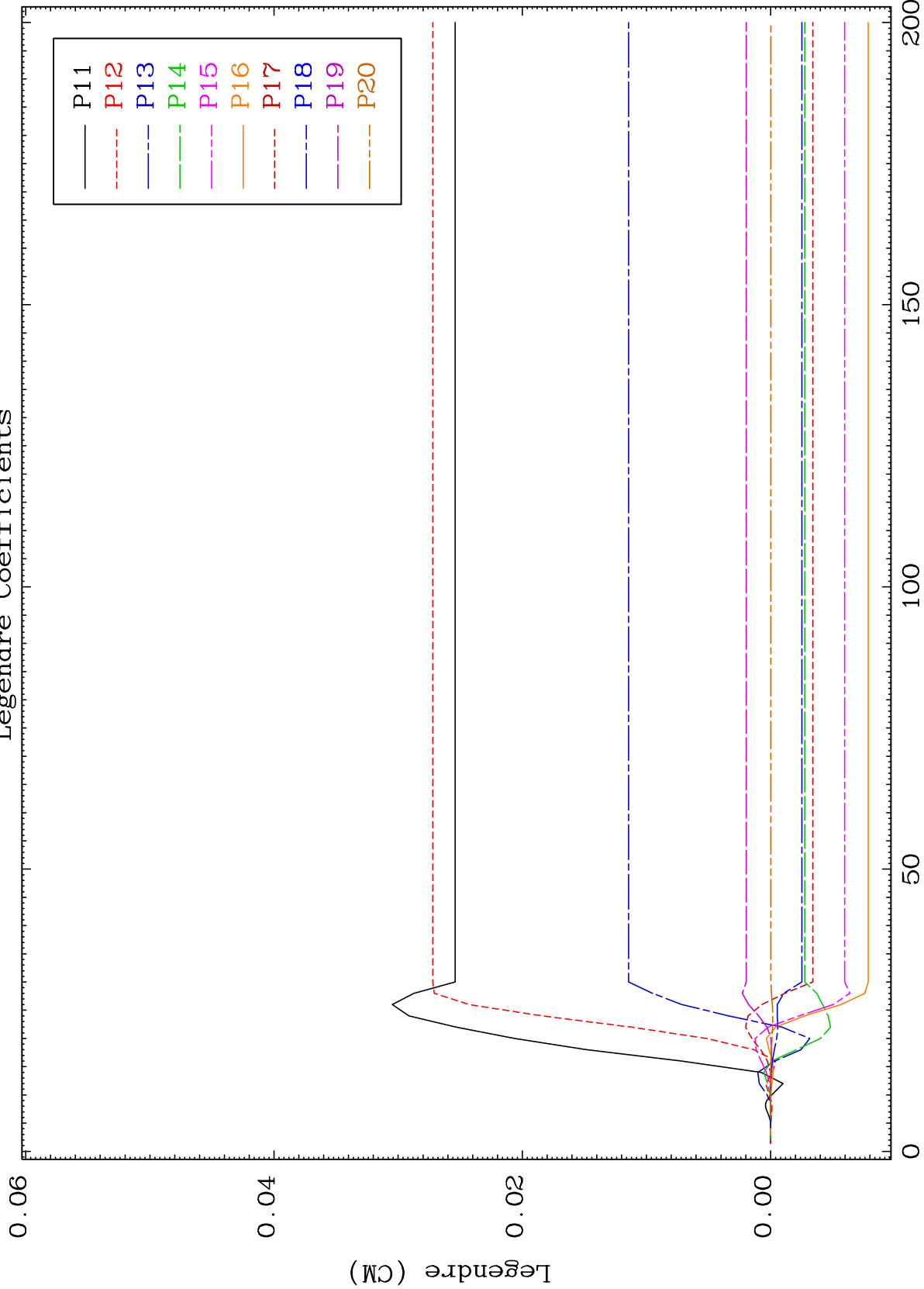
Incident Energy (MeV)

60

MAT 8286

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

83-Bi-196



61

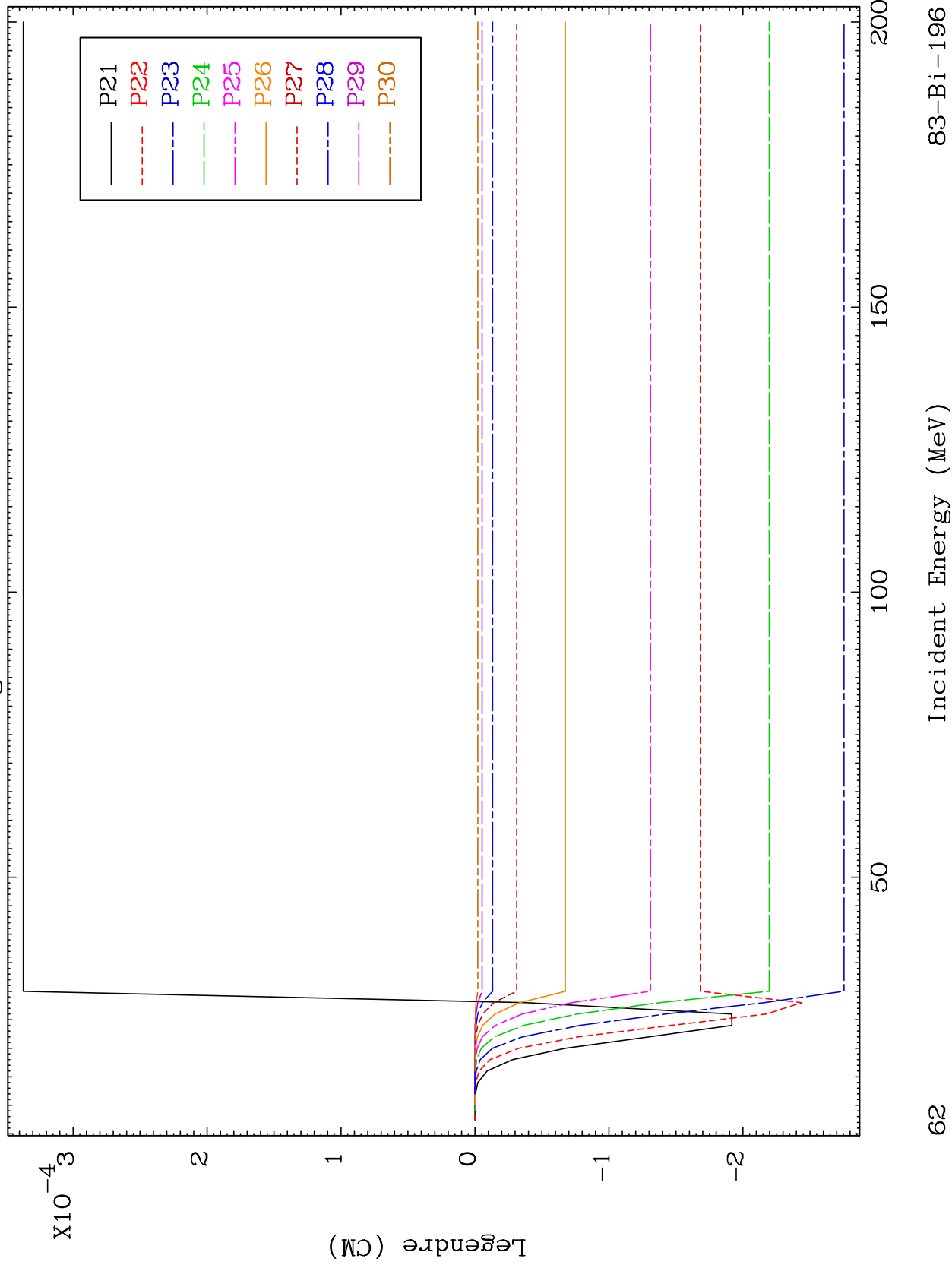
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



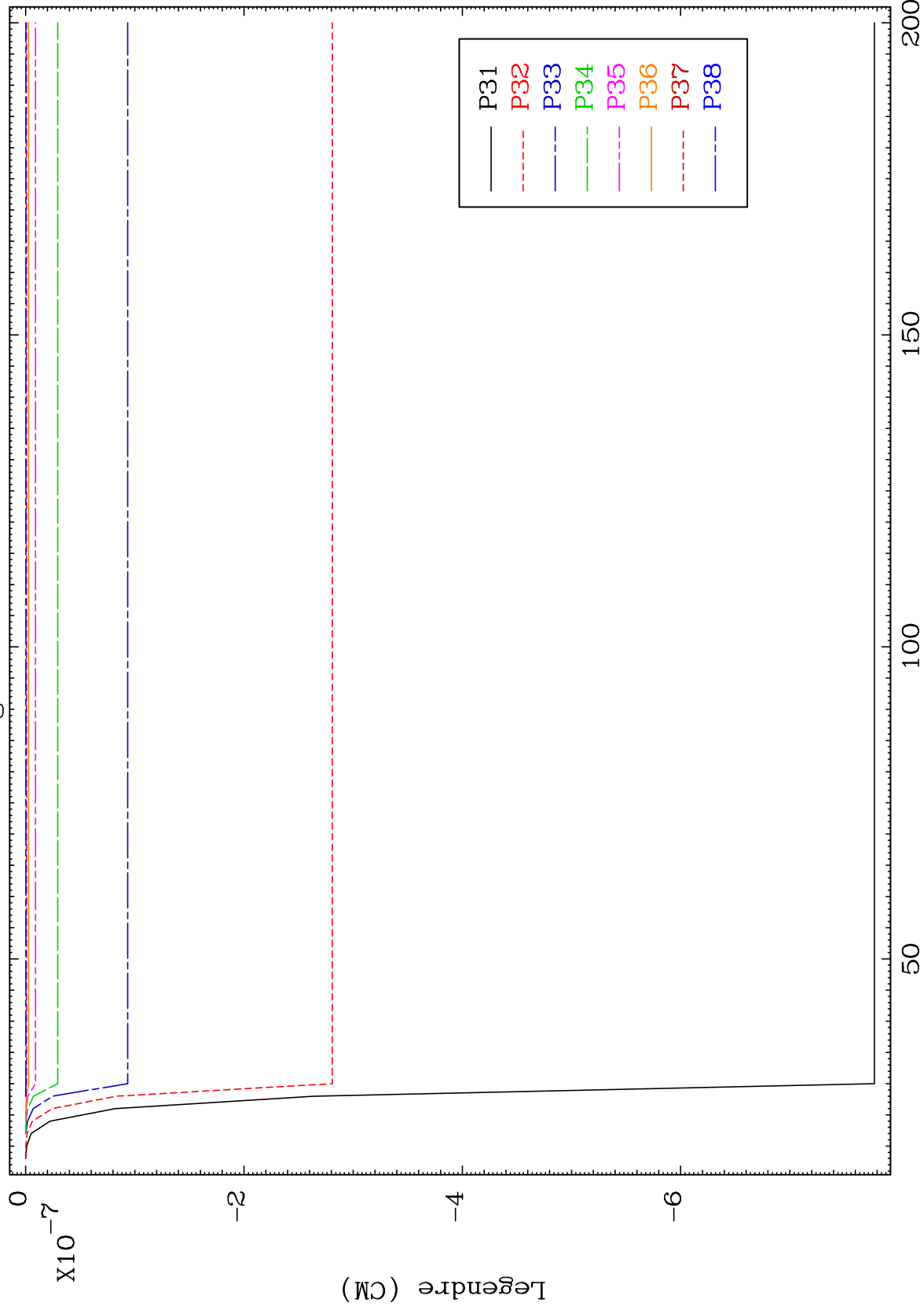
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83-Bi-196

MAT 8286

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

83-Bi-196



63

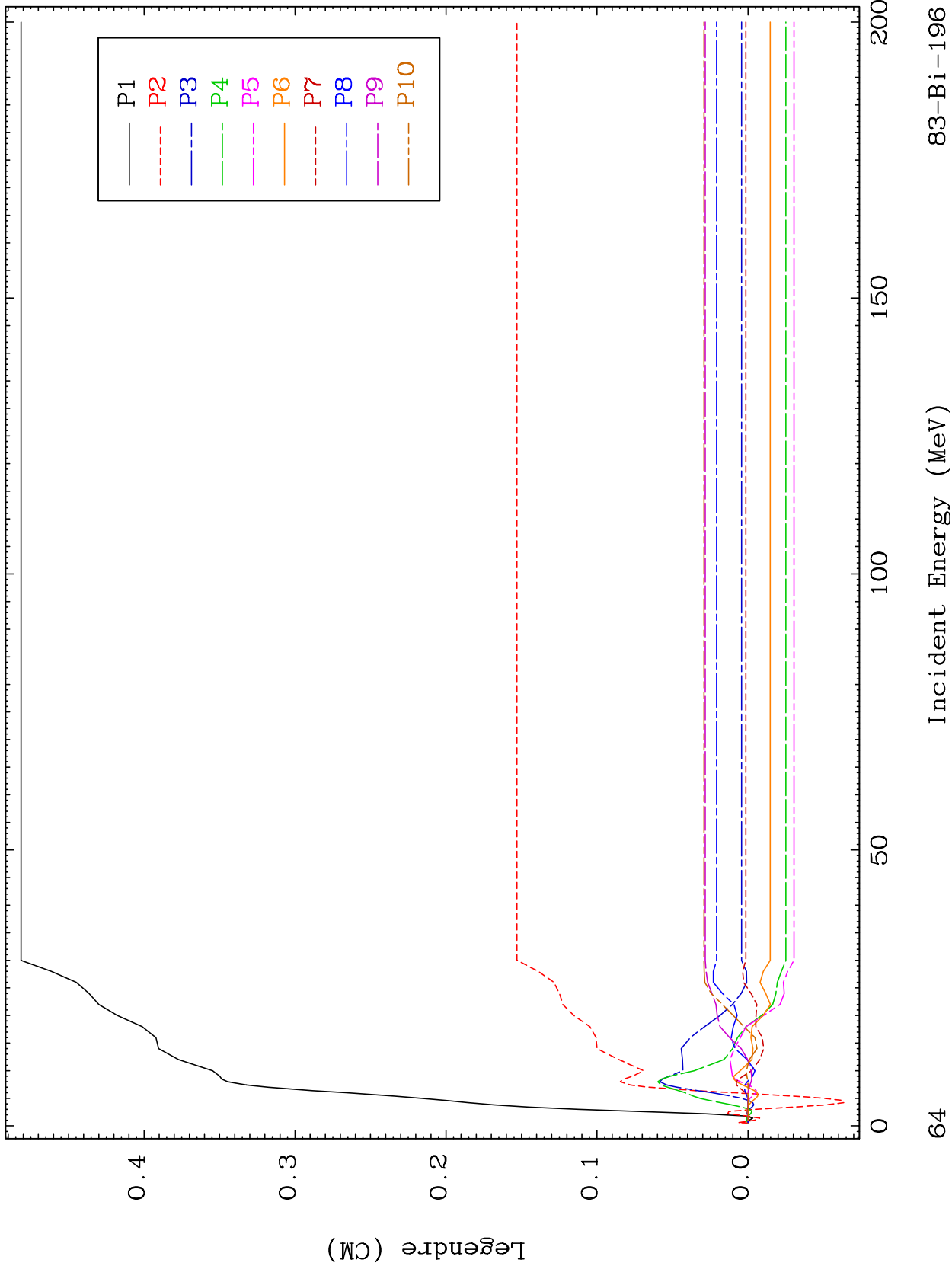
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



83-Bi-196

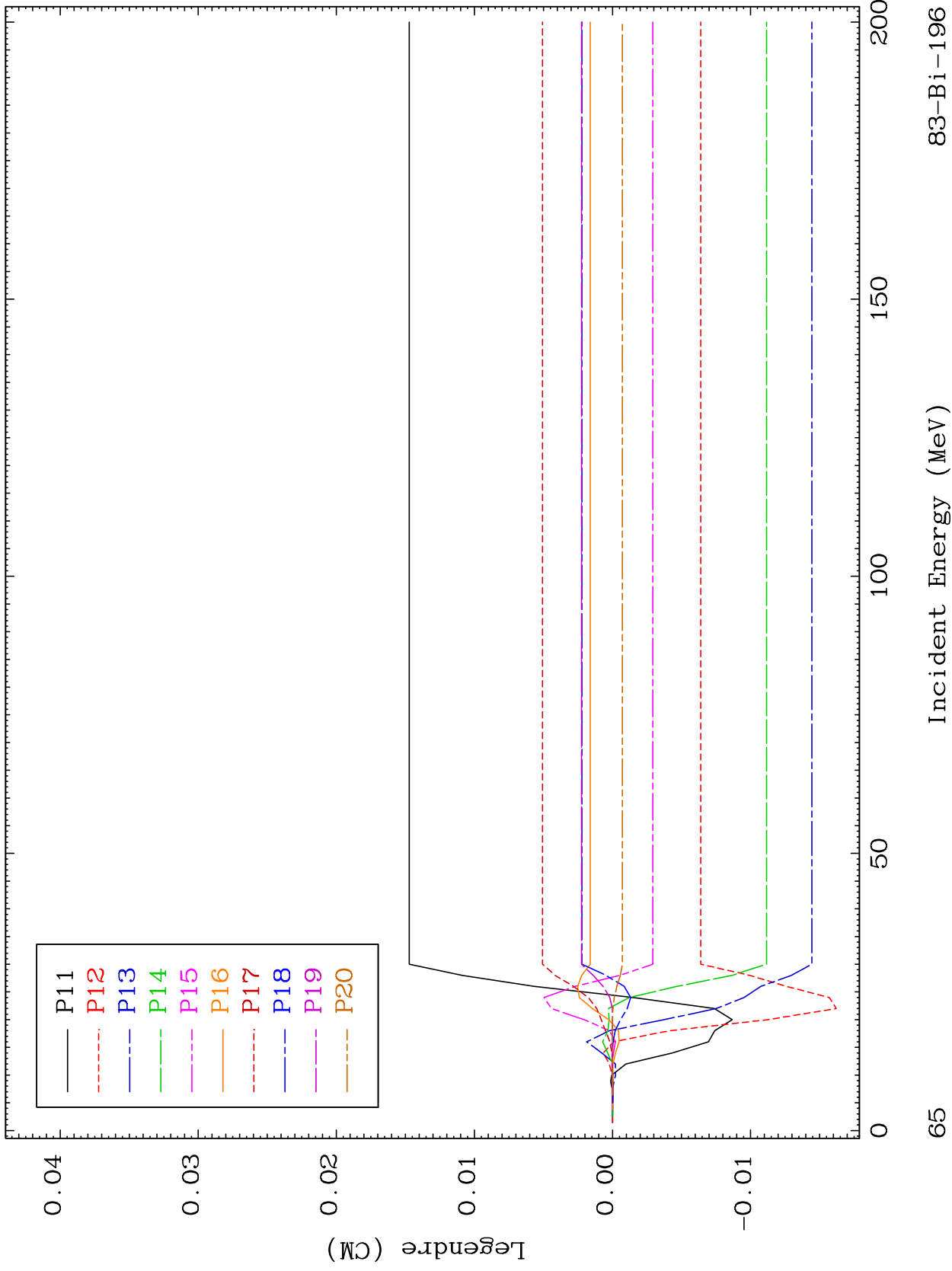
Incident Energy (MeV)

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MAT 8286

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

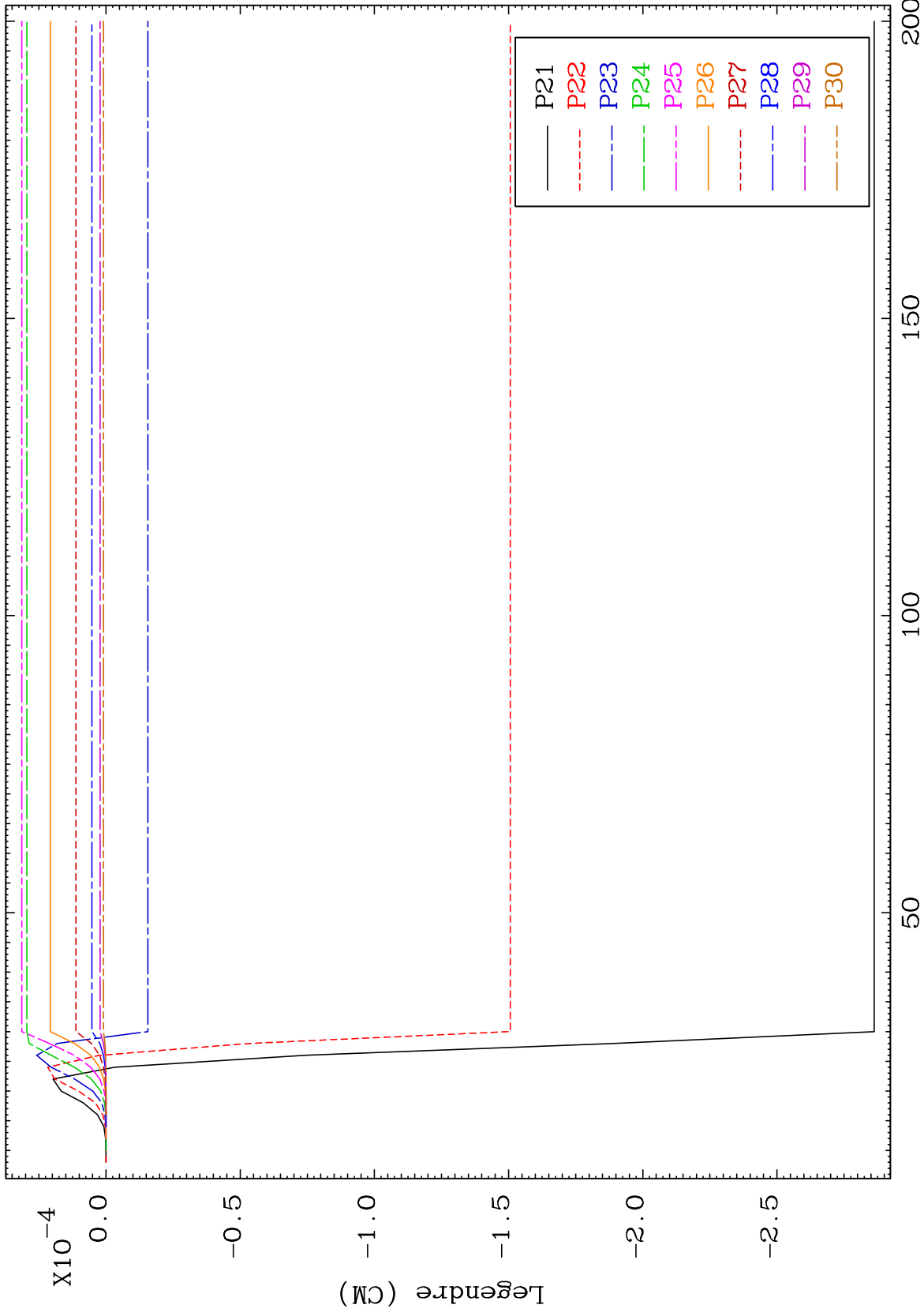
83-Bi-196



83-Bi-196

Incident Energy (MeV)

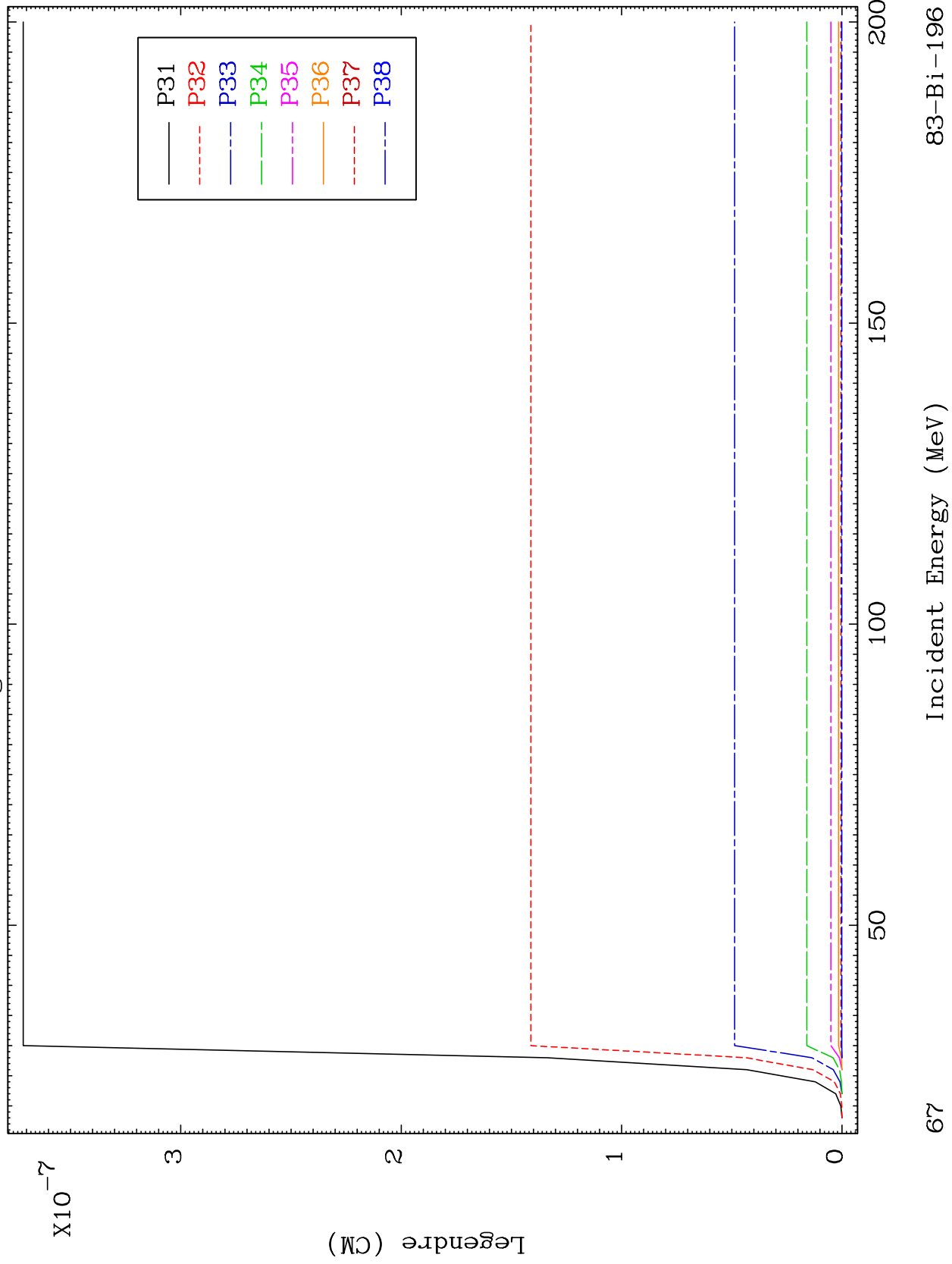
65



MAT 8286

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

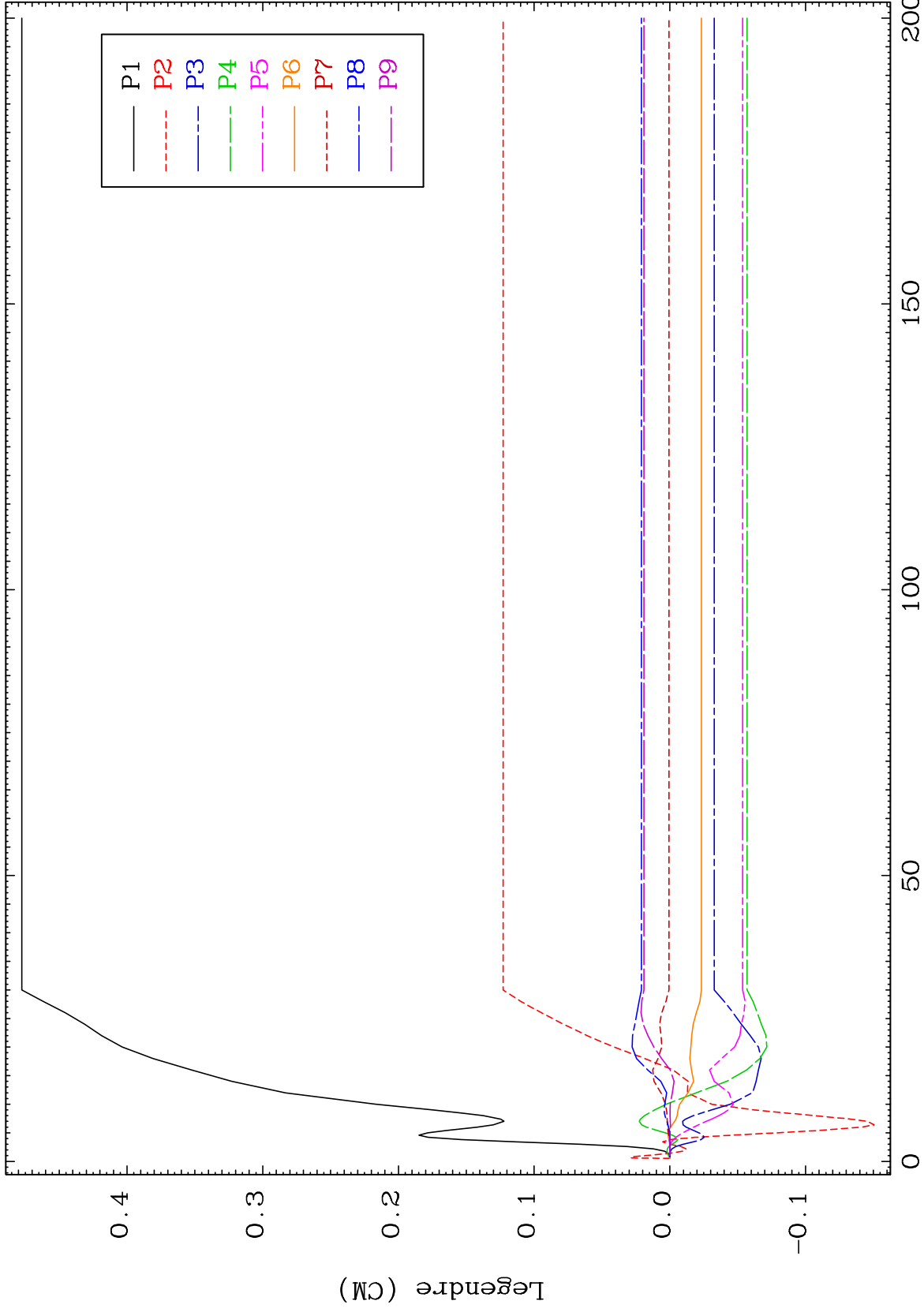
83-Bi-196



MAT 8286

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

83-Bi-196



68

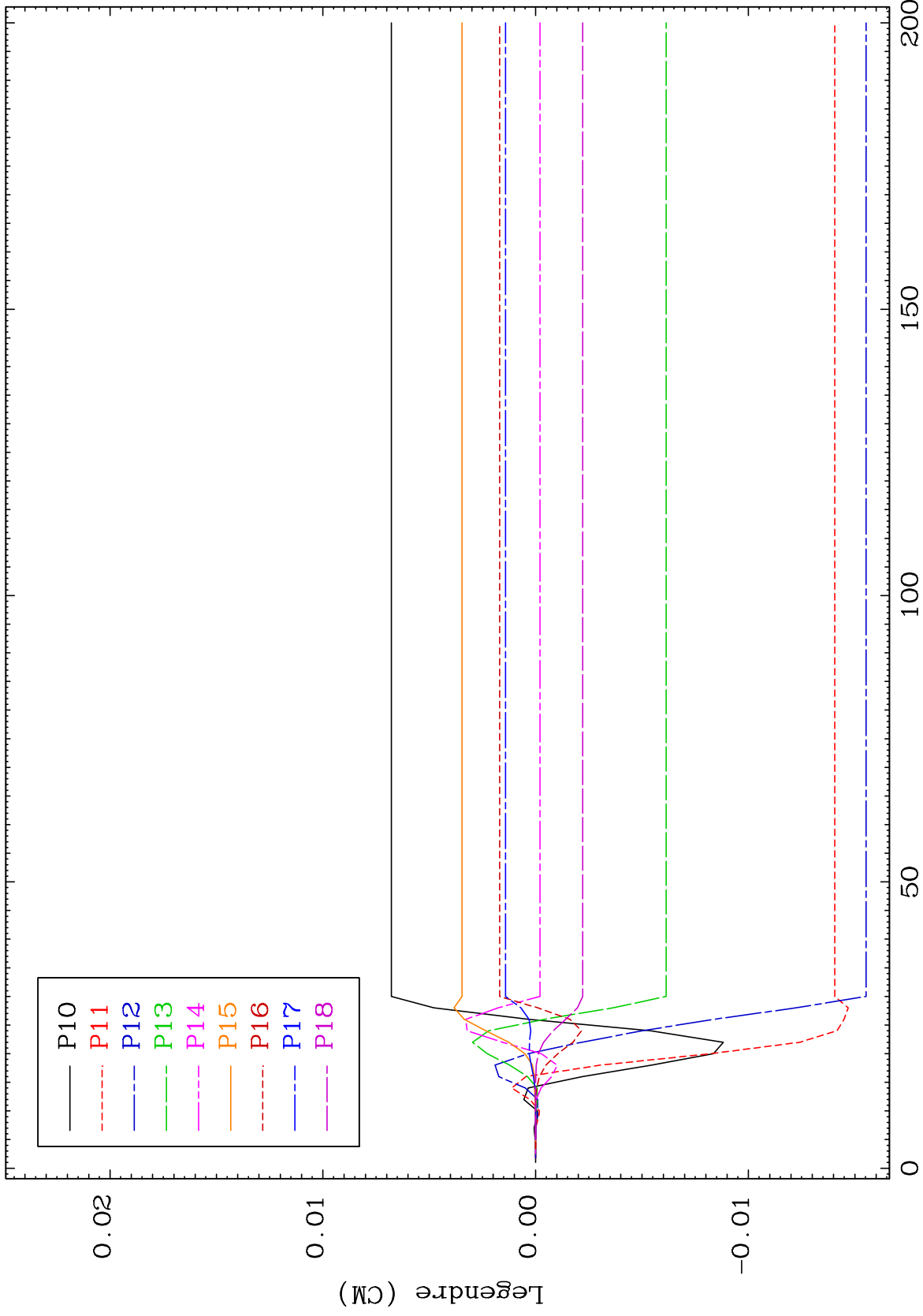
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



69

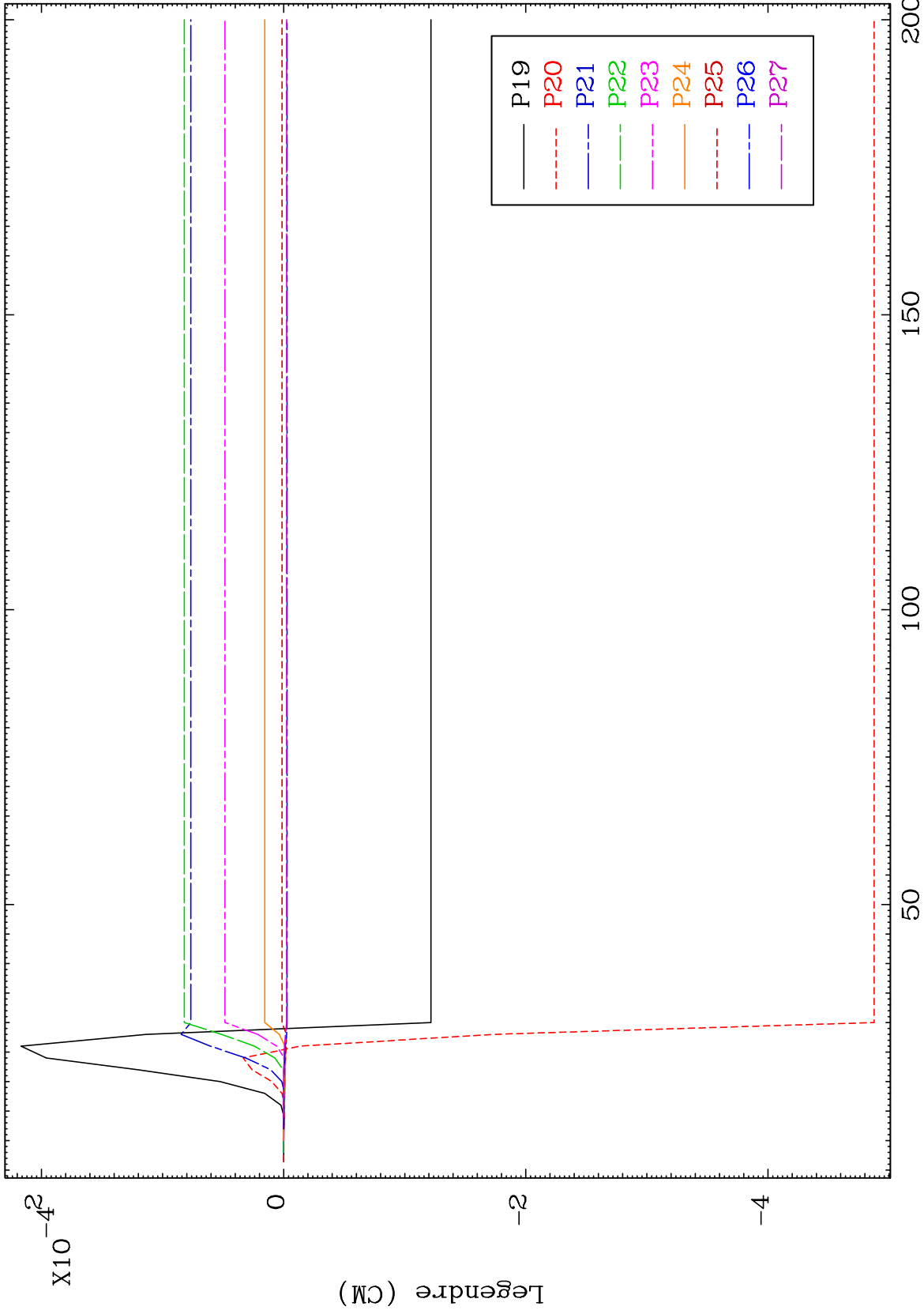
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



70

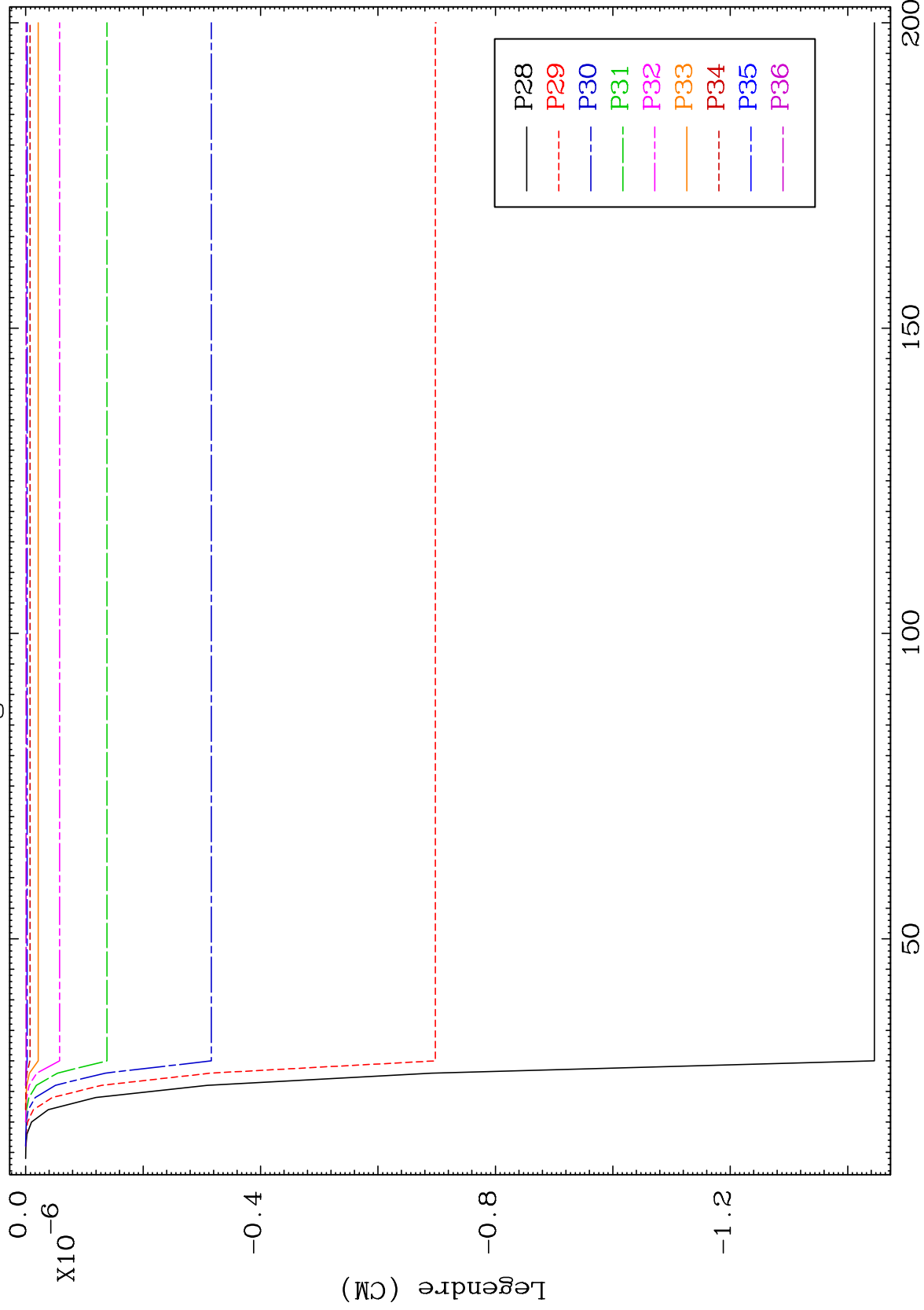
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



71

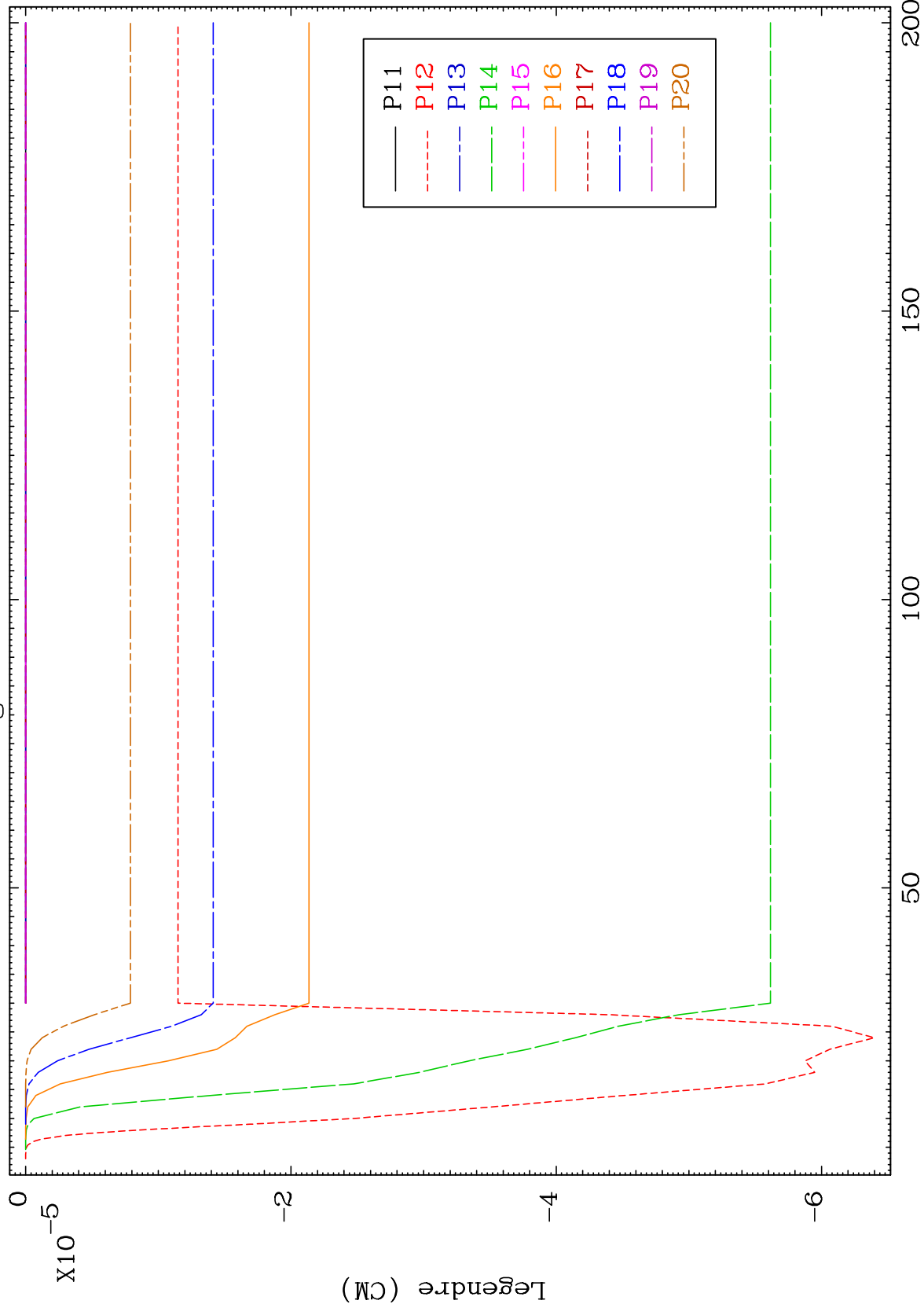
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



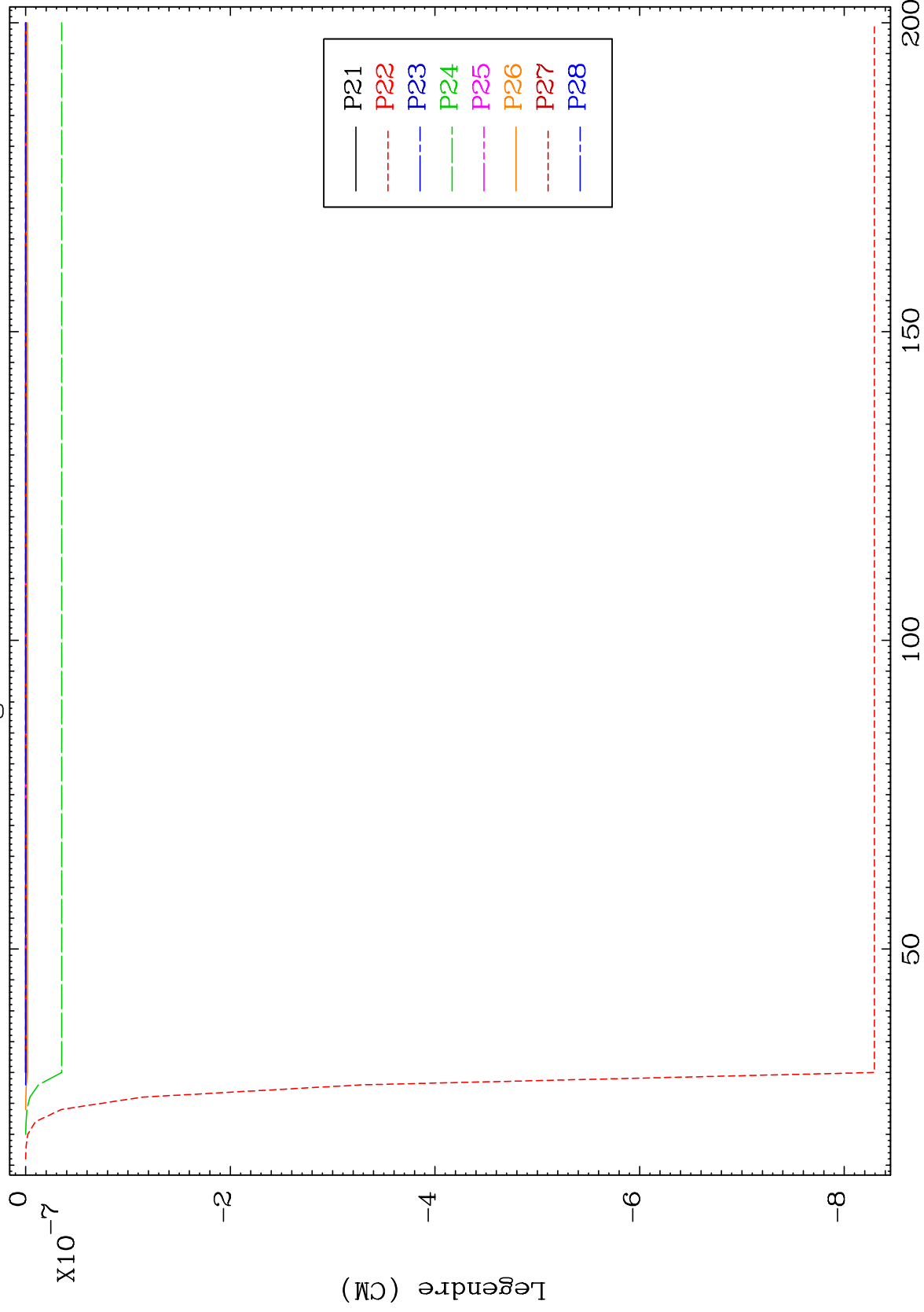
73

83-Bi-196

MAT 8286

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

83-Bi-196



74

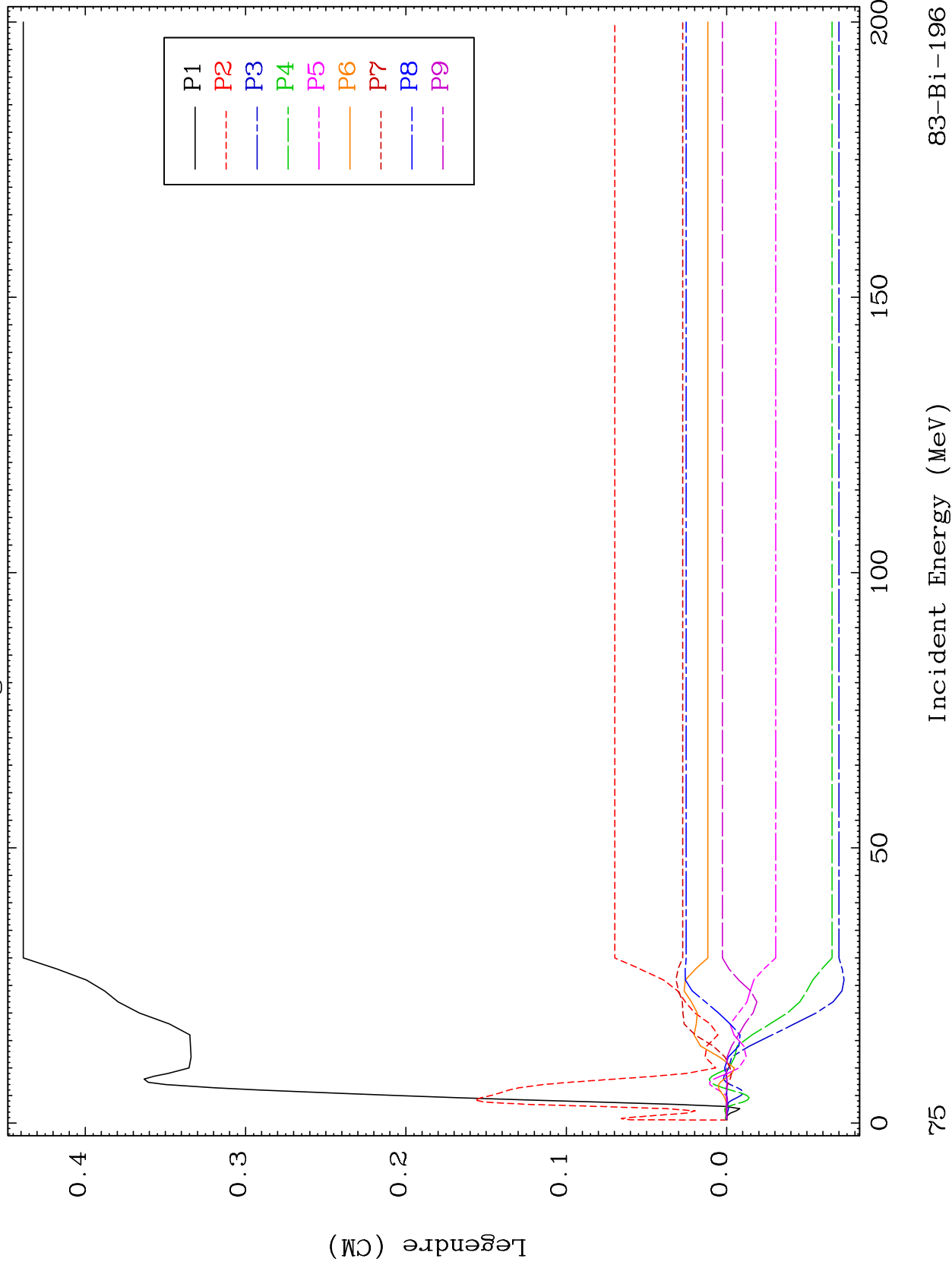
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



83-Bi-196

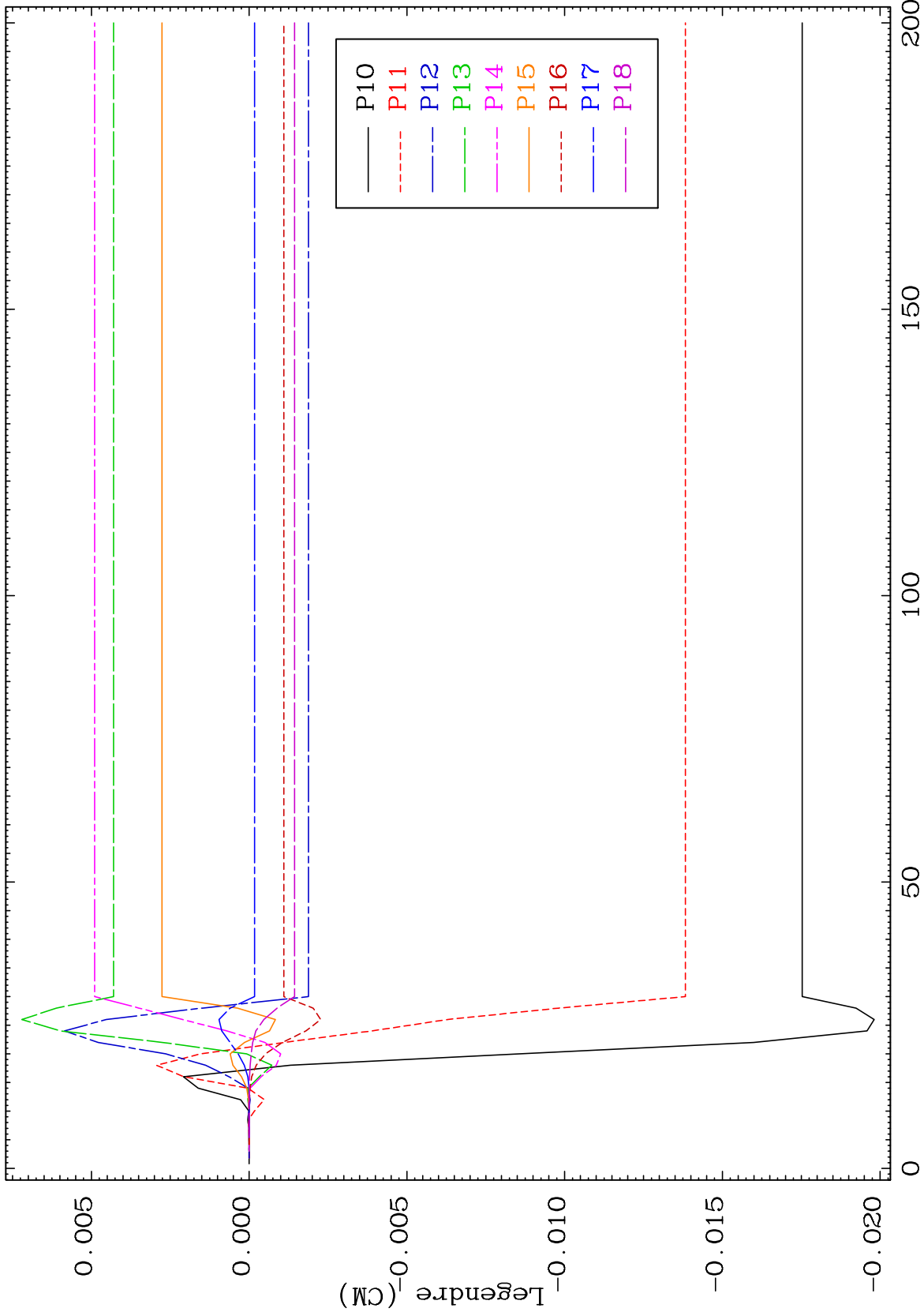
Incident Energy (MeV)

75

MAT 8286

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

83-Bi-196



76

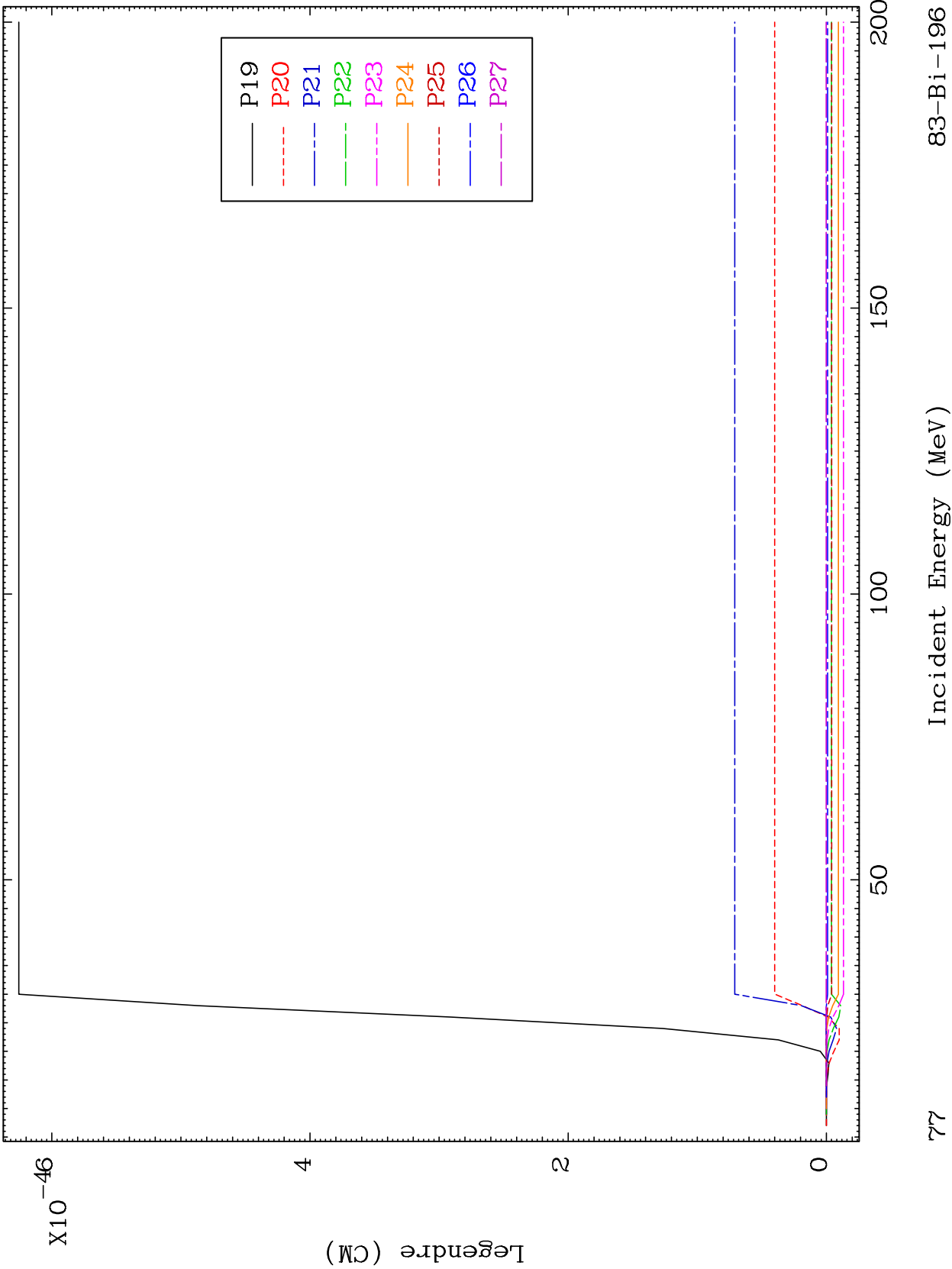
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

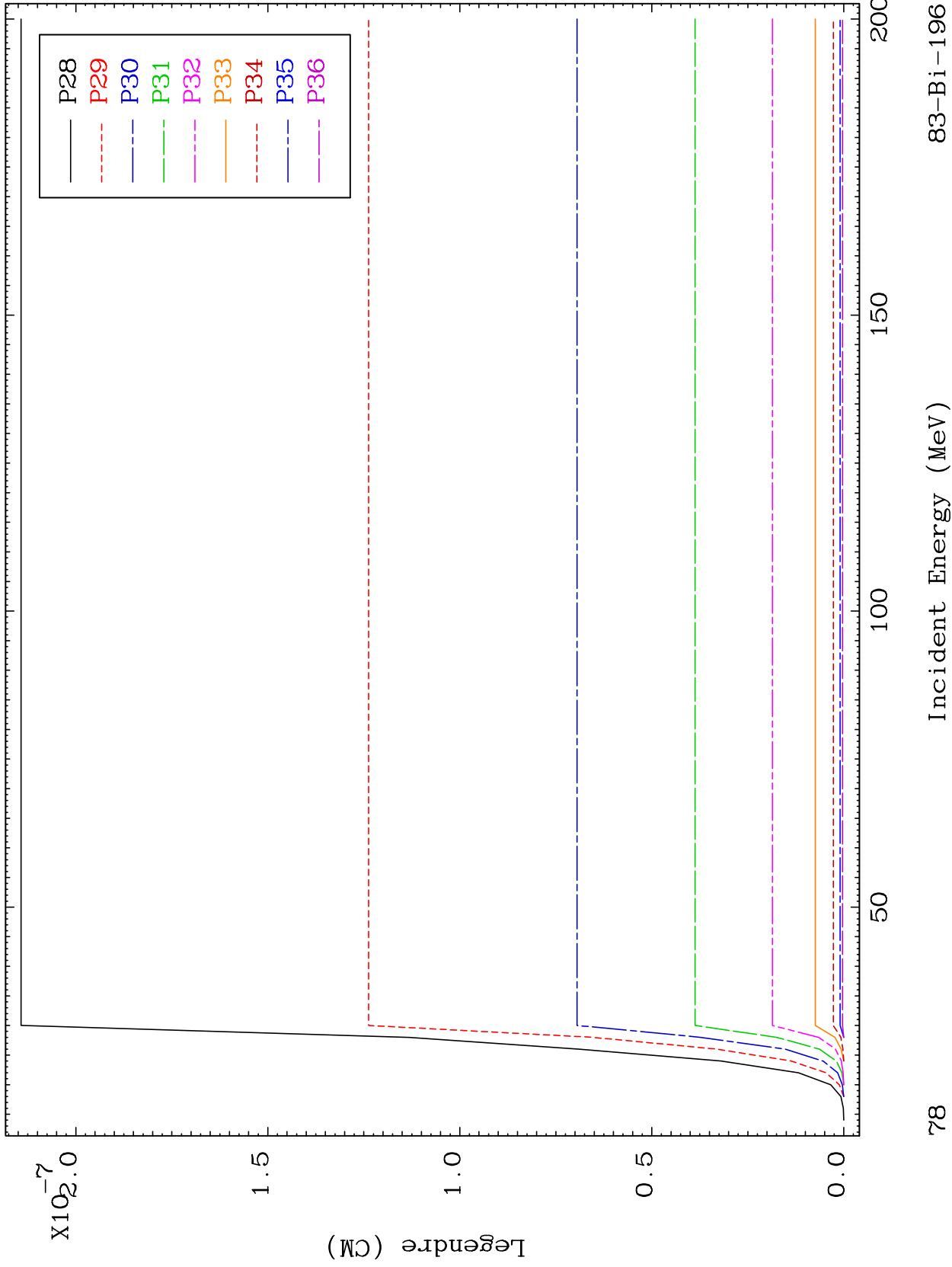
83-Bi-196



MAT 8286

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

83-Bi-196



78

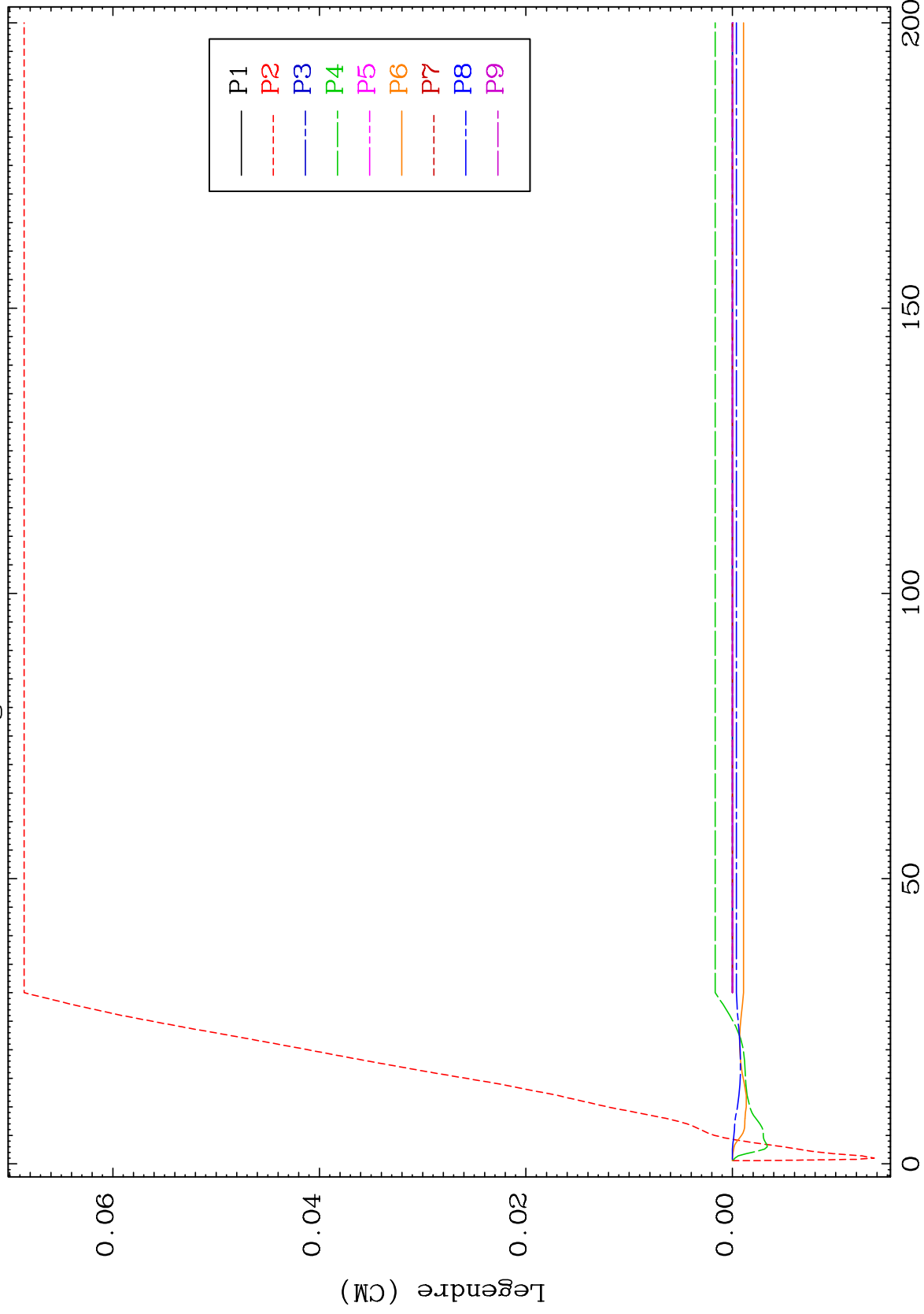
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



79

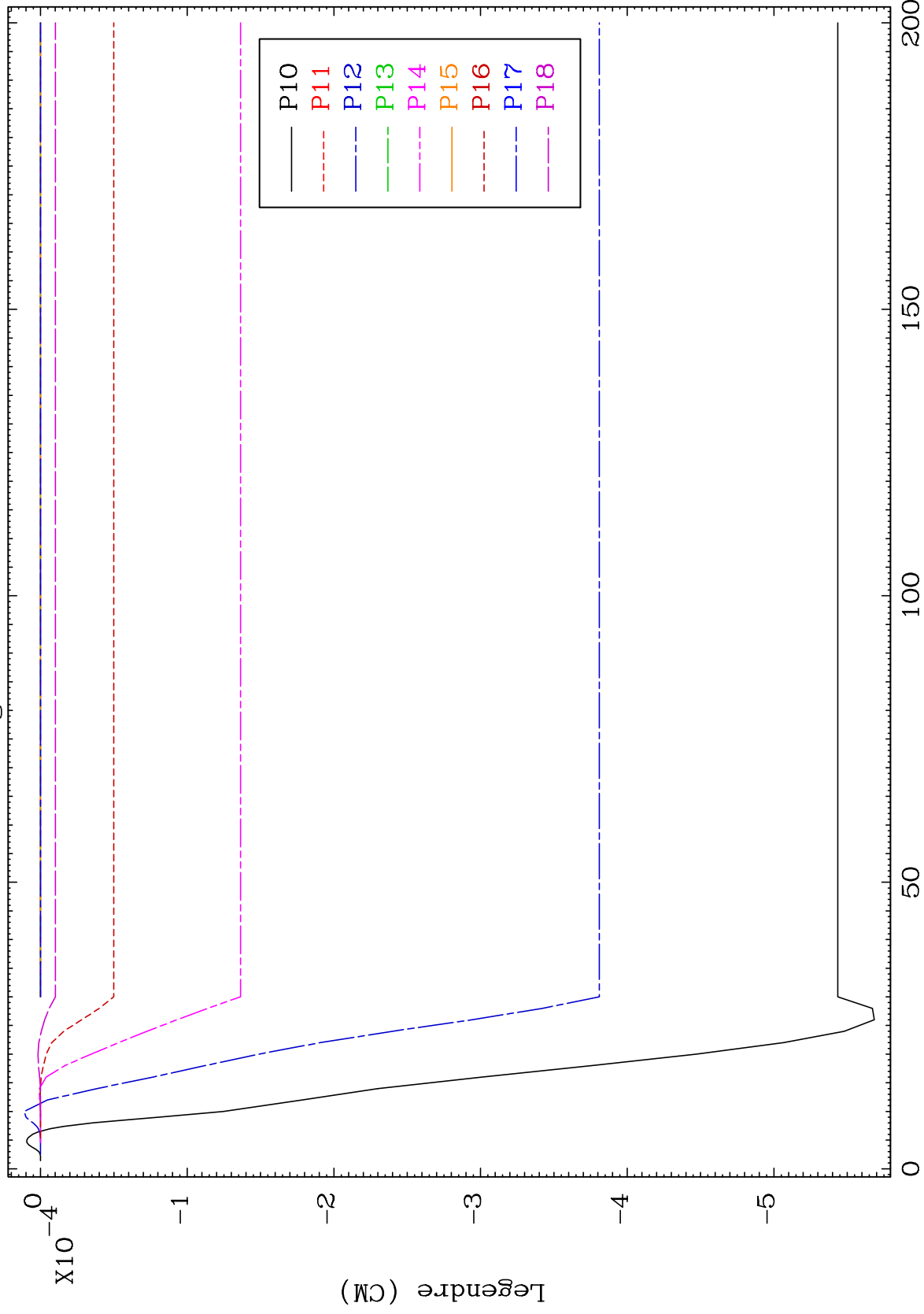
83-Bi-196

83-Bi-196

MAT 8286

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

83-Bi-196



83-Bi-196

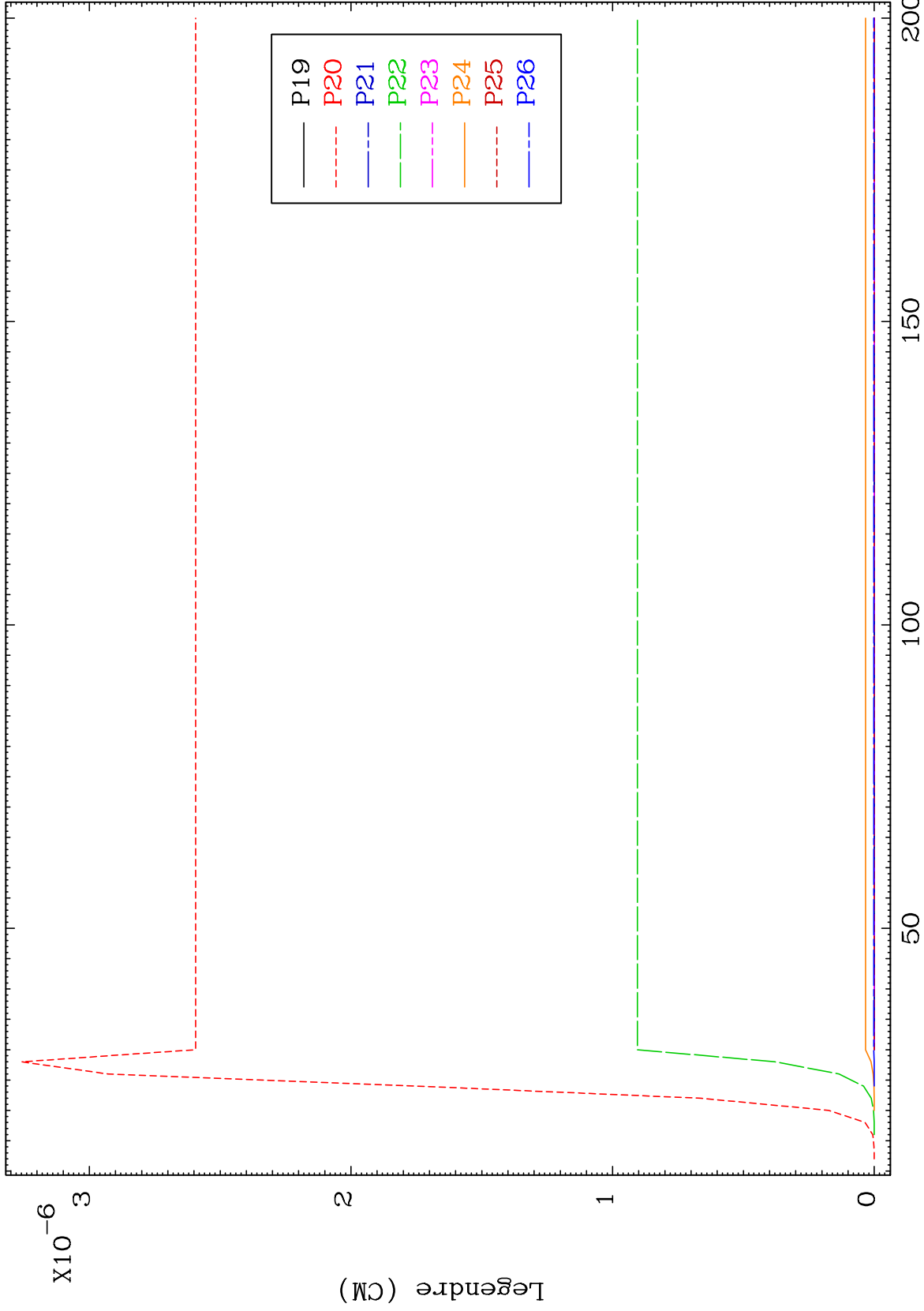
Incident Energy (MeV)

80

MAT 8286

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

83-Bi-196



81

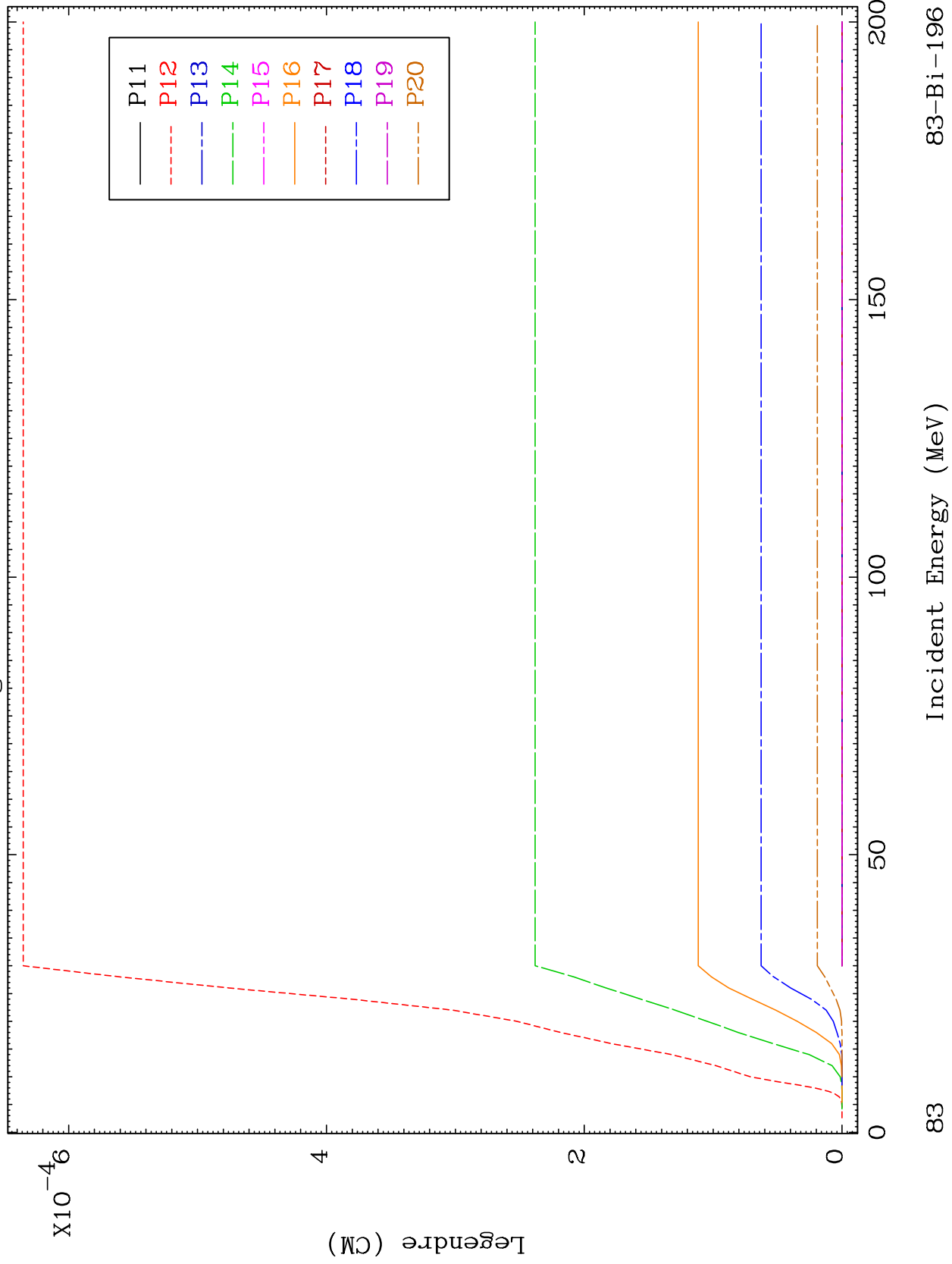
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



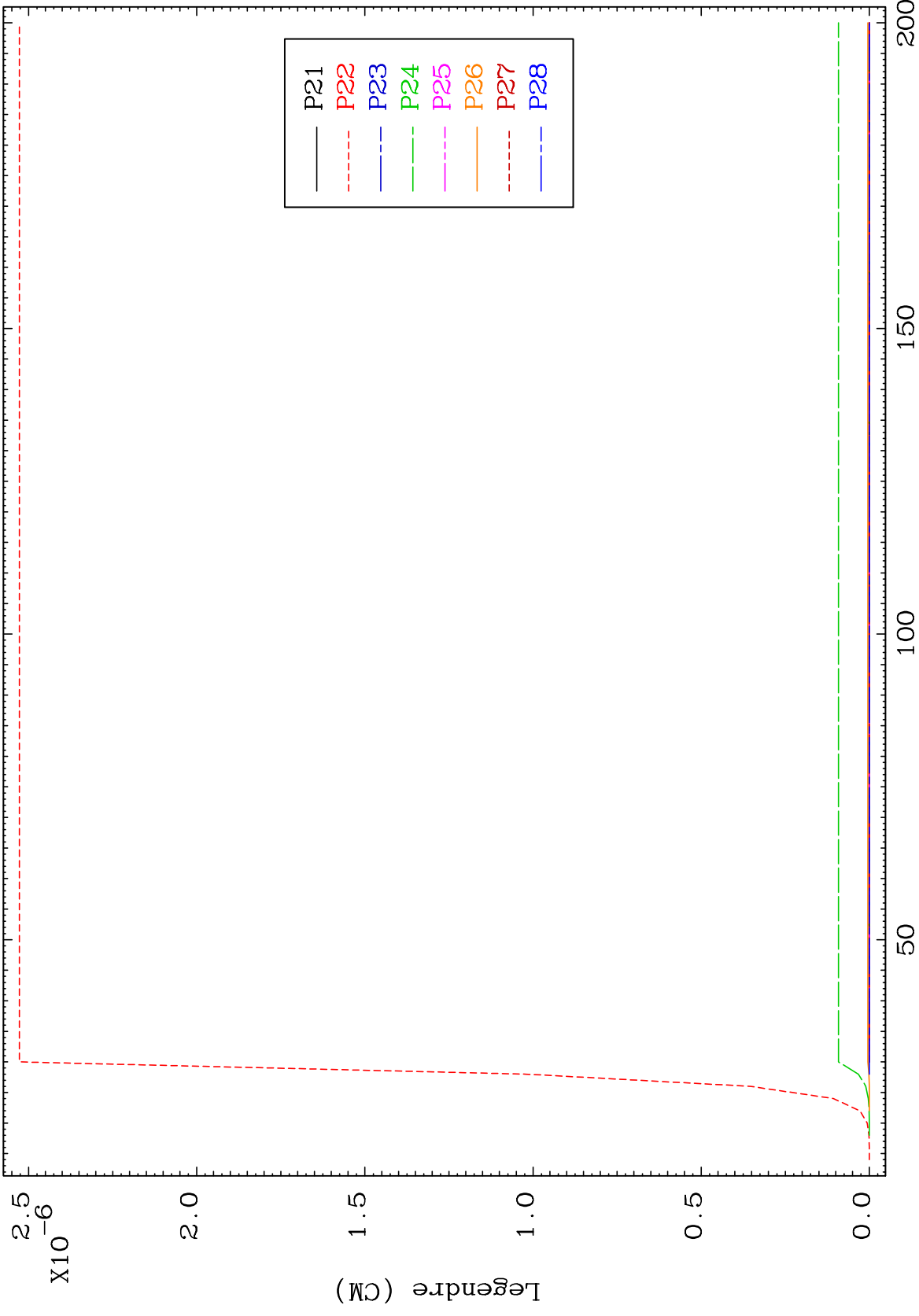
83

83-Bi-196

MAT 8286

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

83-Bi-196



84

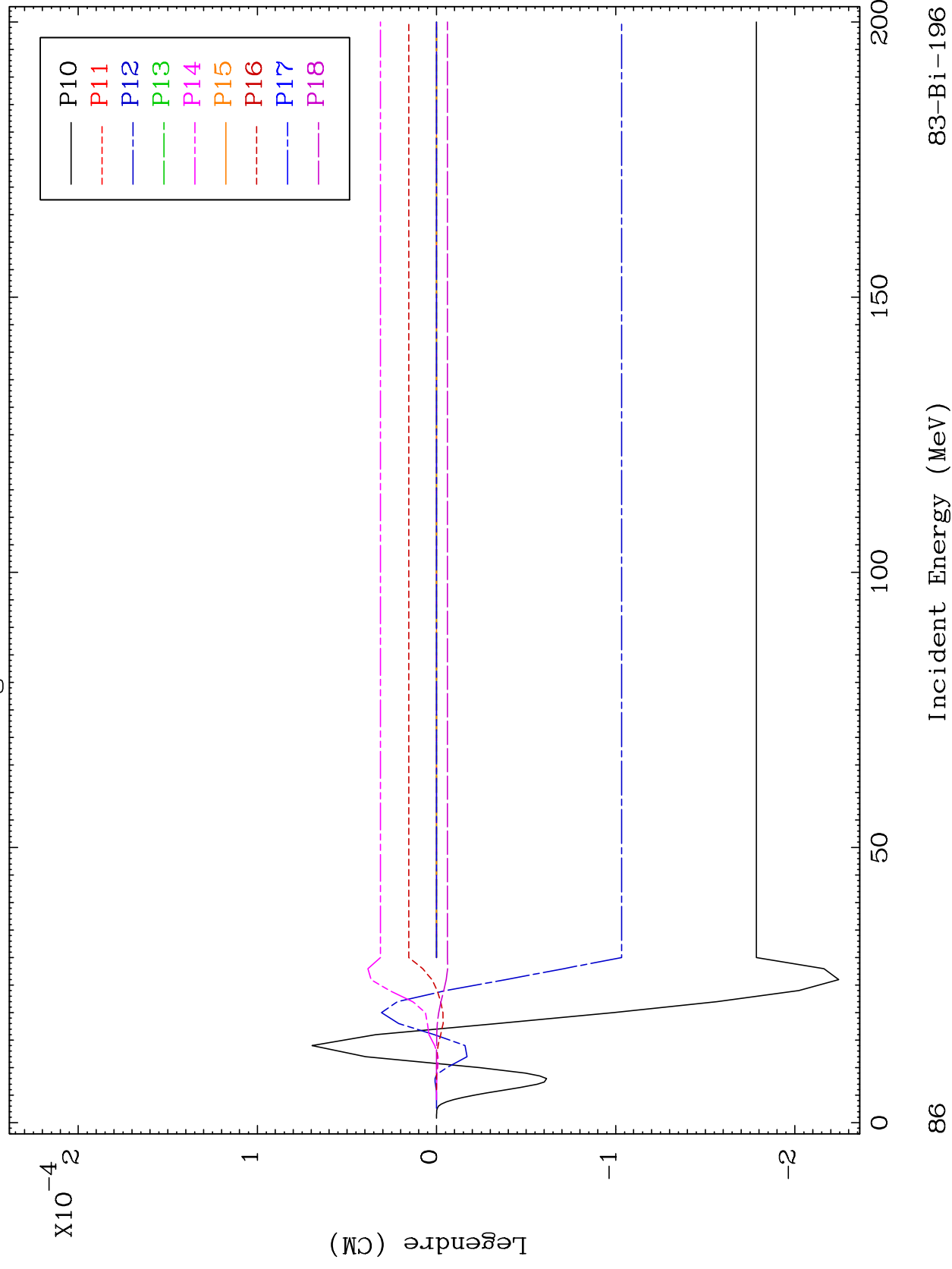
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

83-Bi-196



83-Bi-196

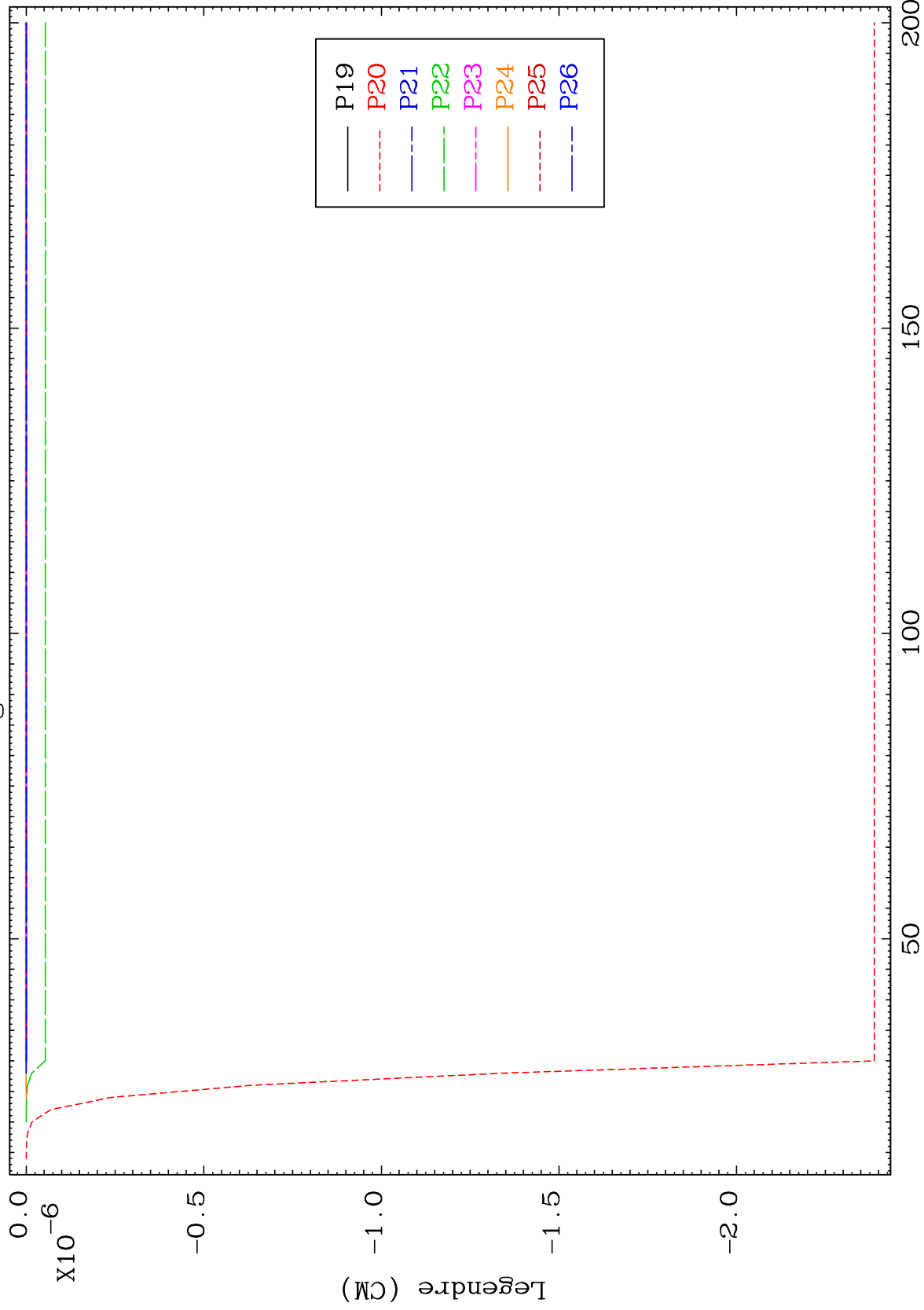
Incident Energy (MeV)

86

MAT 8286

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

83-Bi-196



87

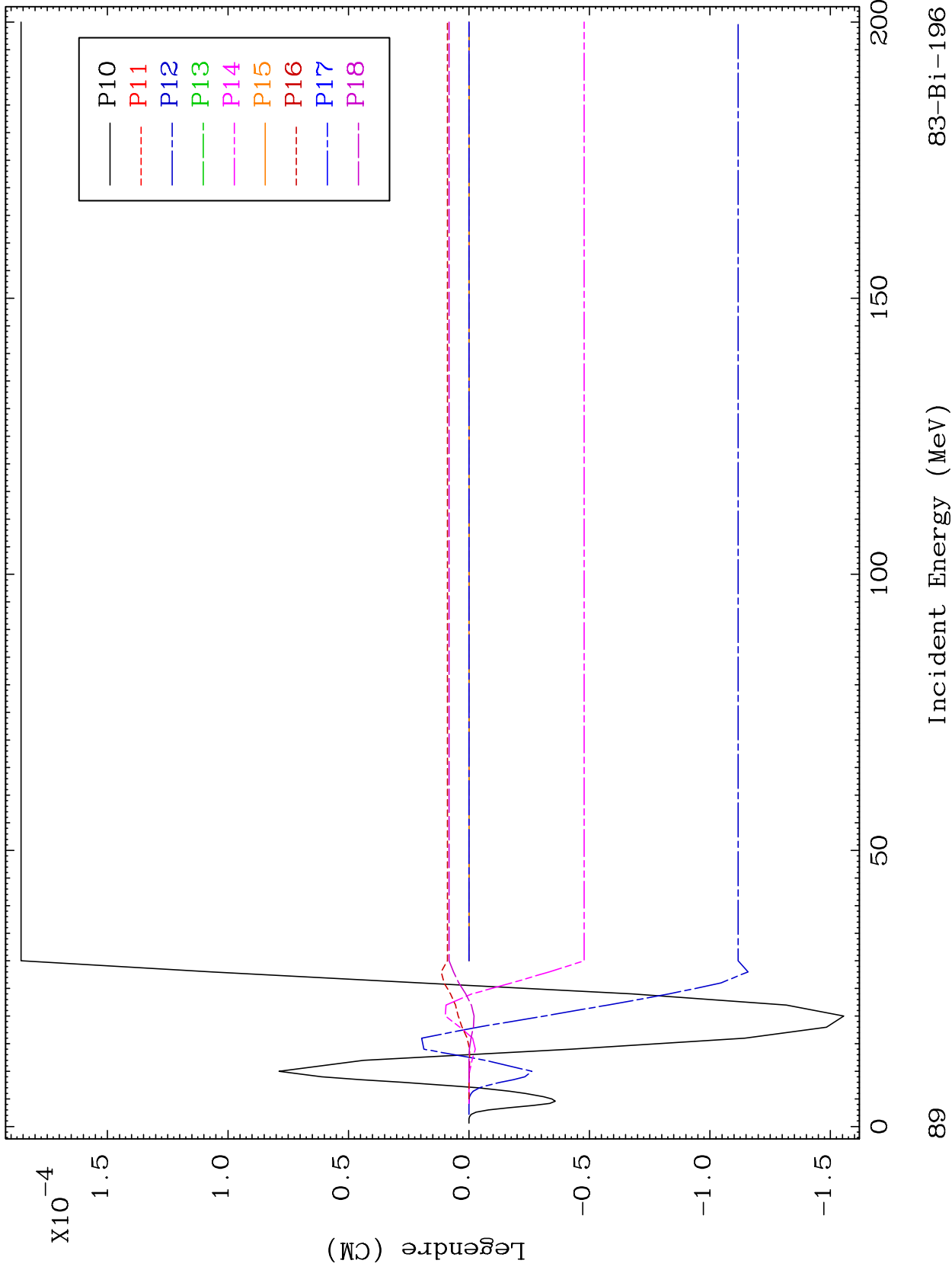
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

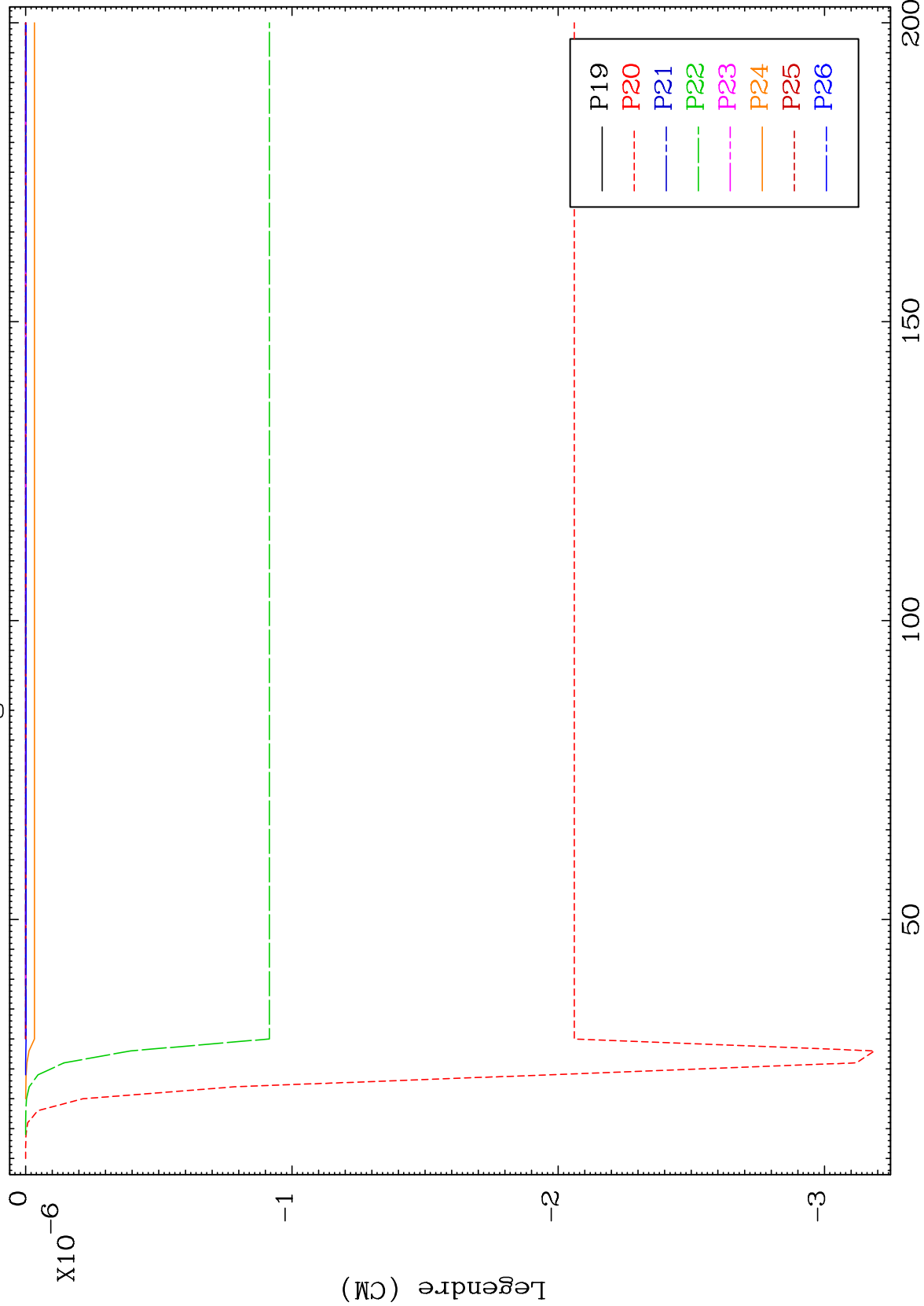
83-Bi-196



MAT 8286

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

83-Bi-196



83-Bi-196

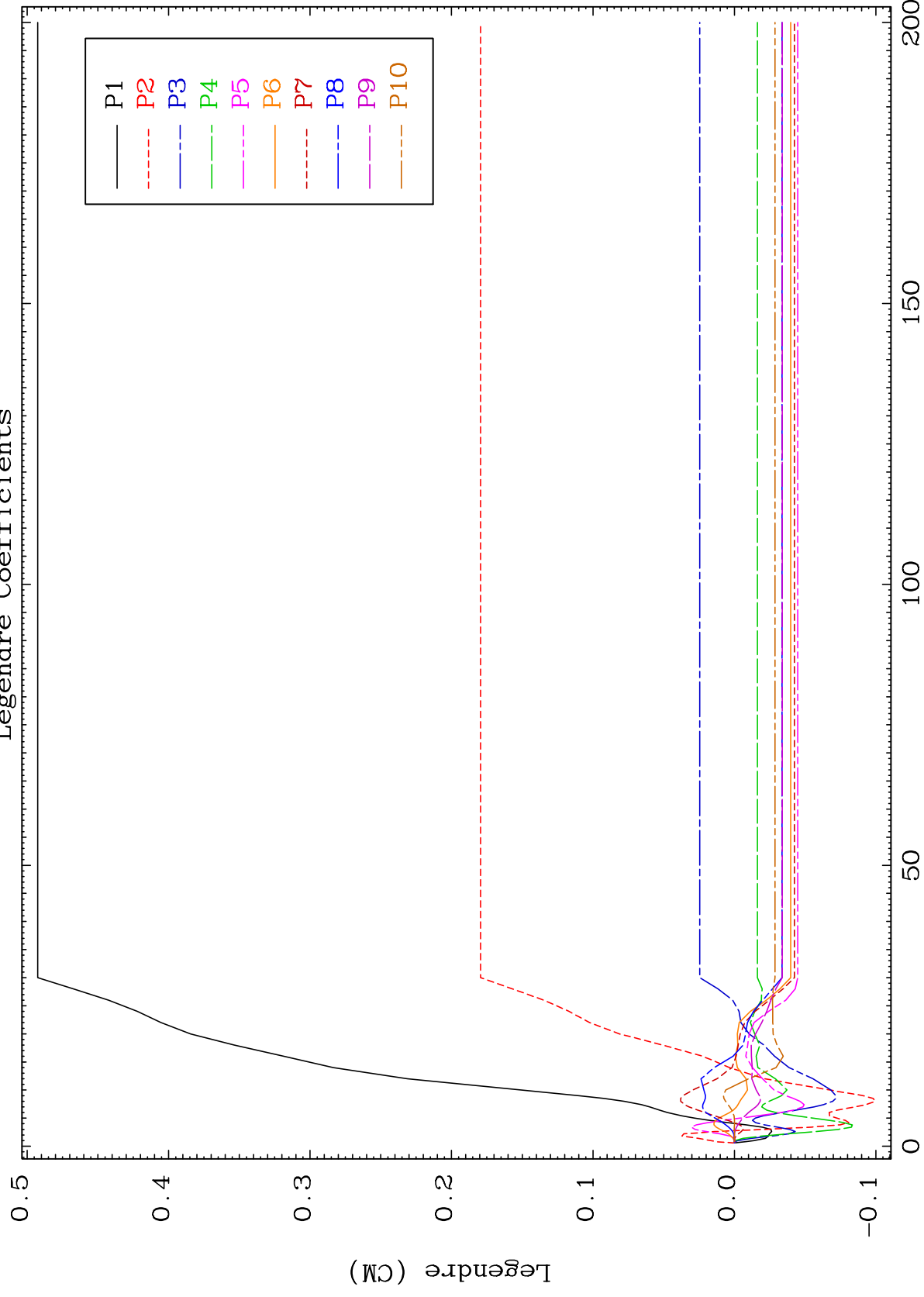
Incident Energy (MeV)

90

MAT 8286

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

83-Bi-196



91

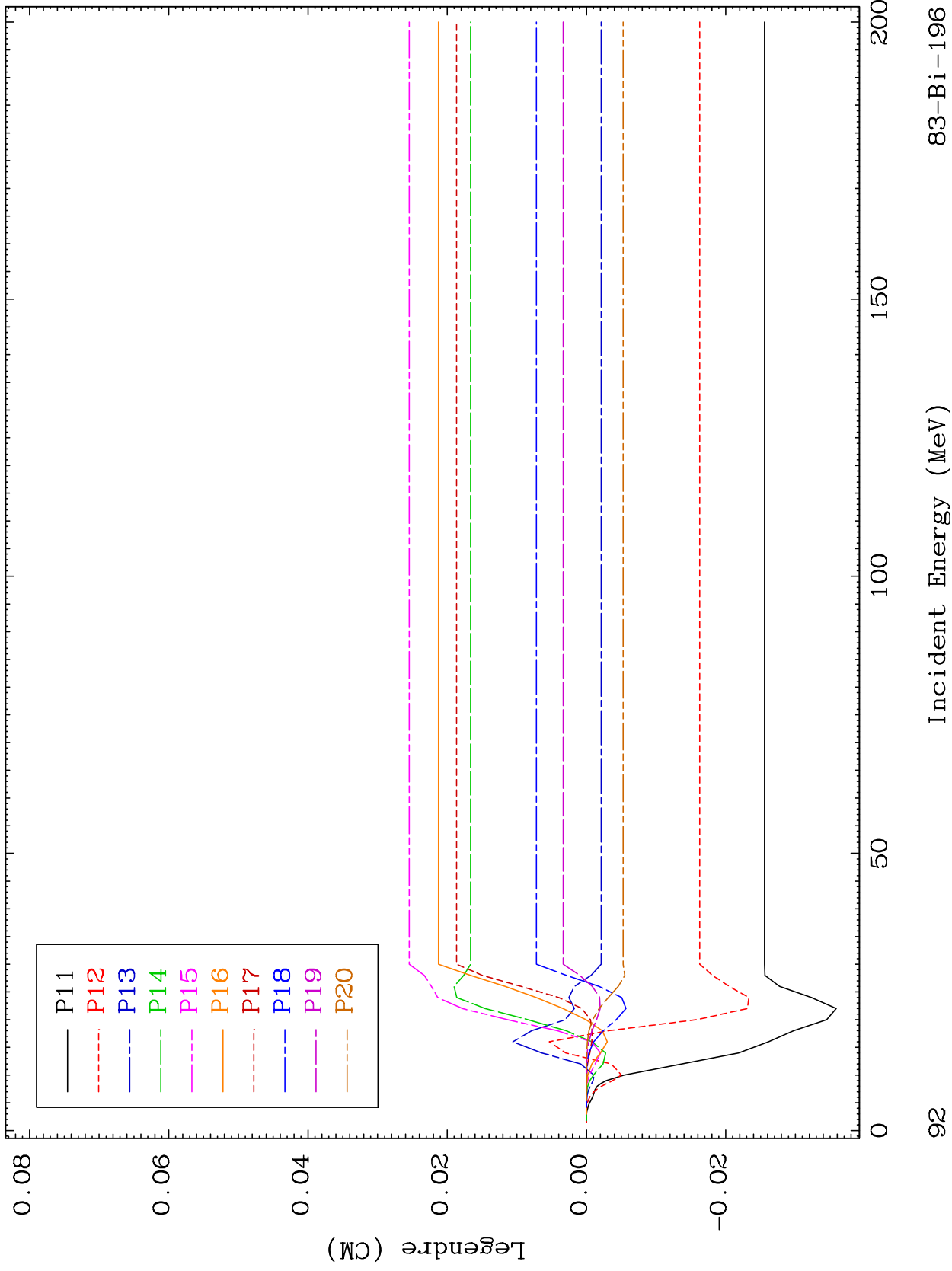
Incident Energy (MeV)

83-Bi-196

MAT 8286

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

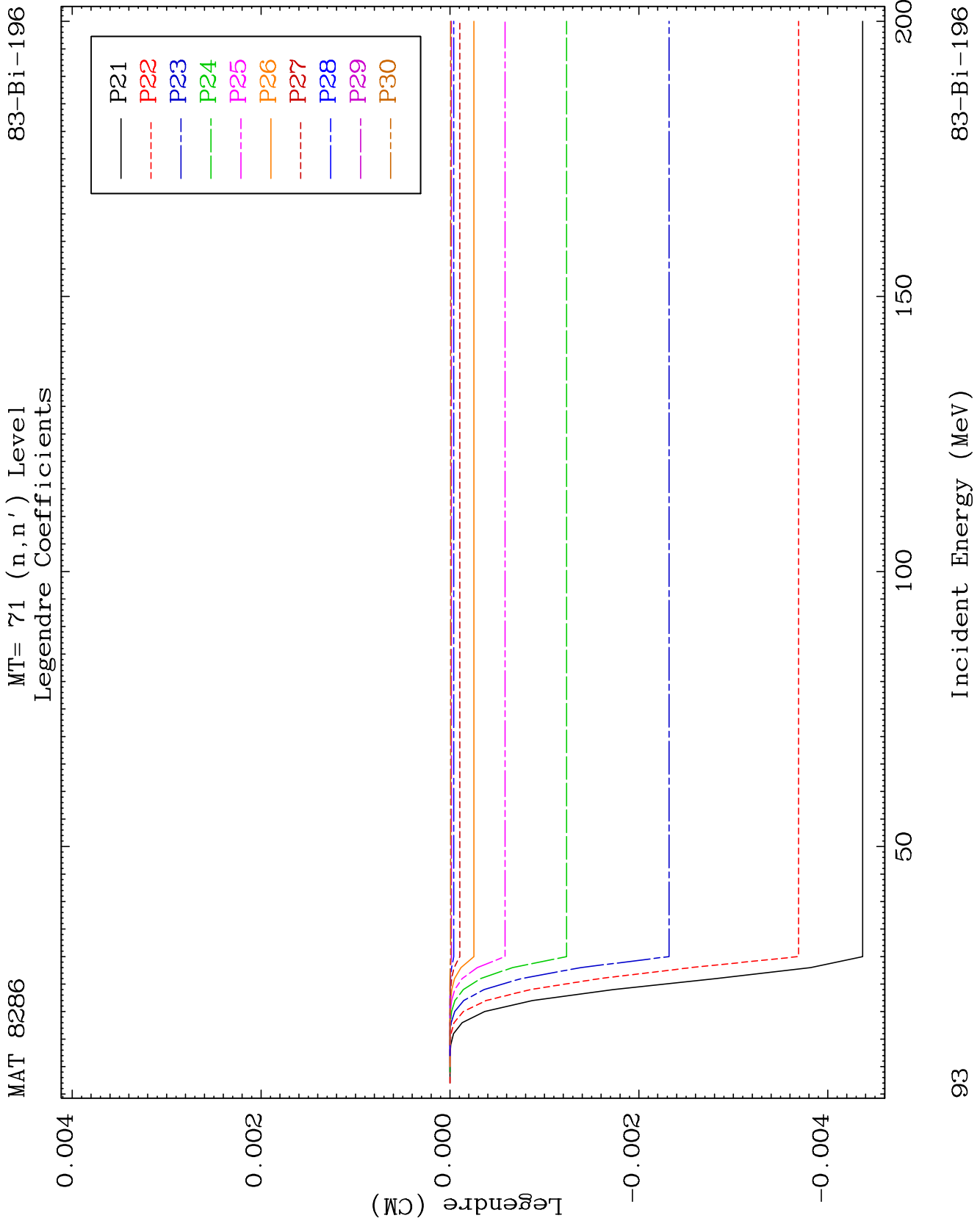
83-Bi-196



83-Bi-196

Incident Energy (MeV)

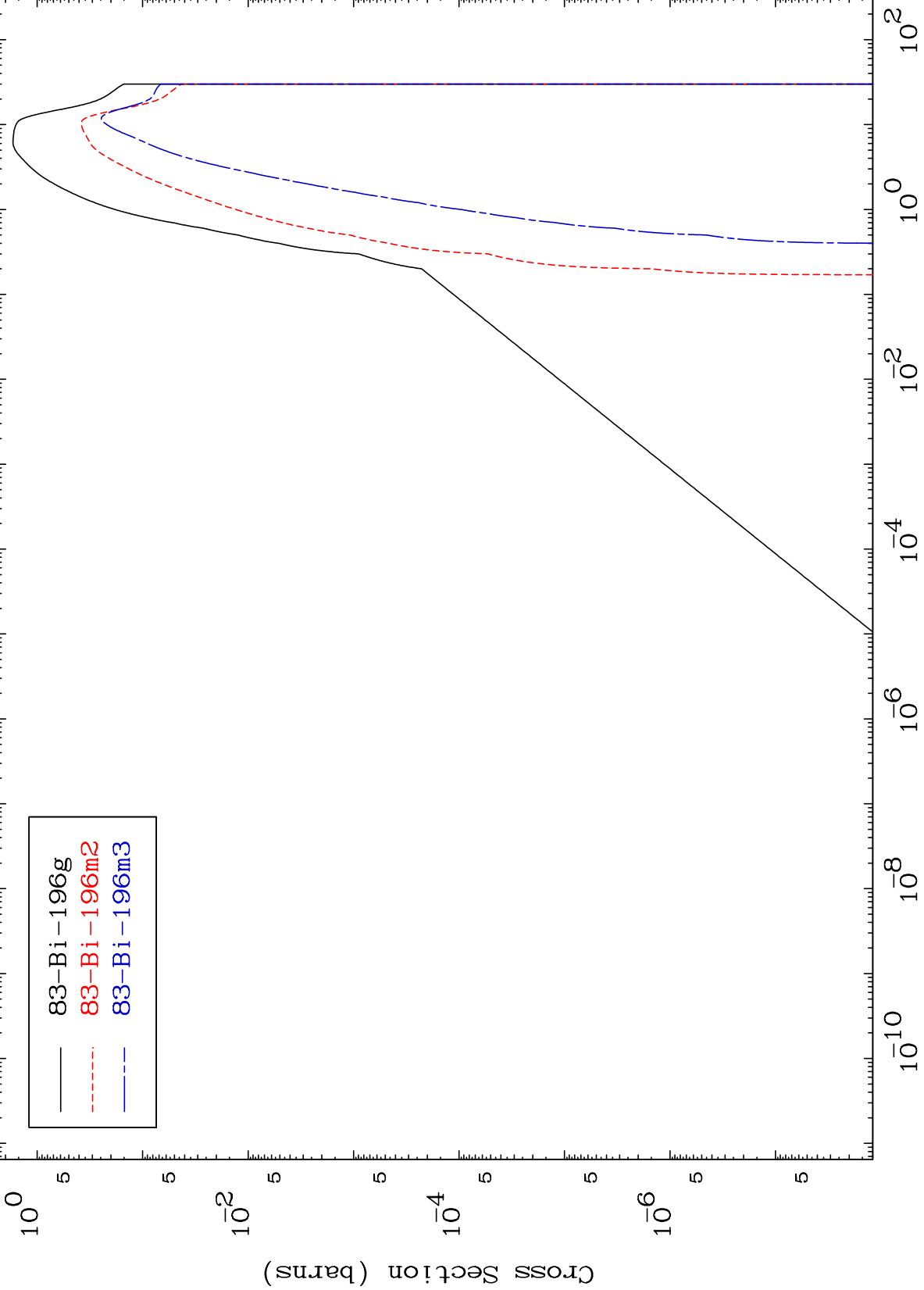
92



MAT 8286

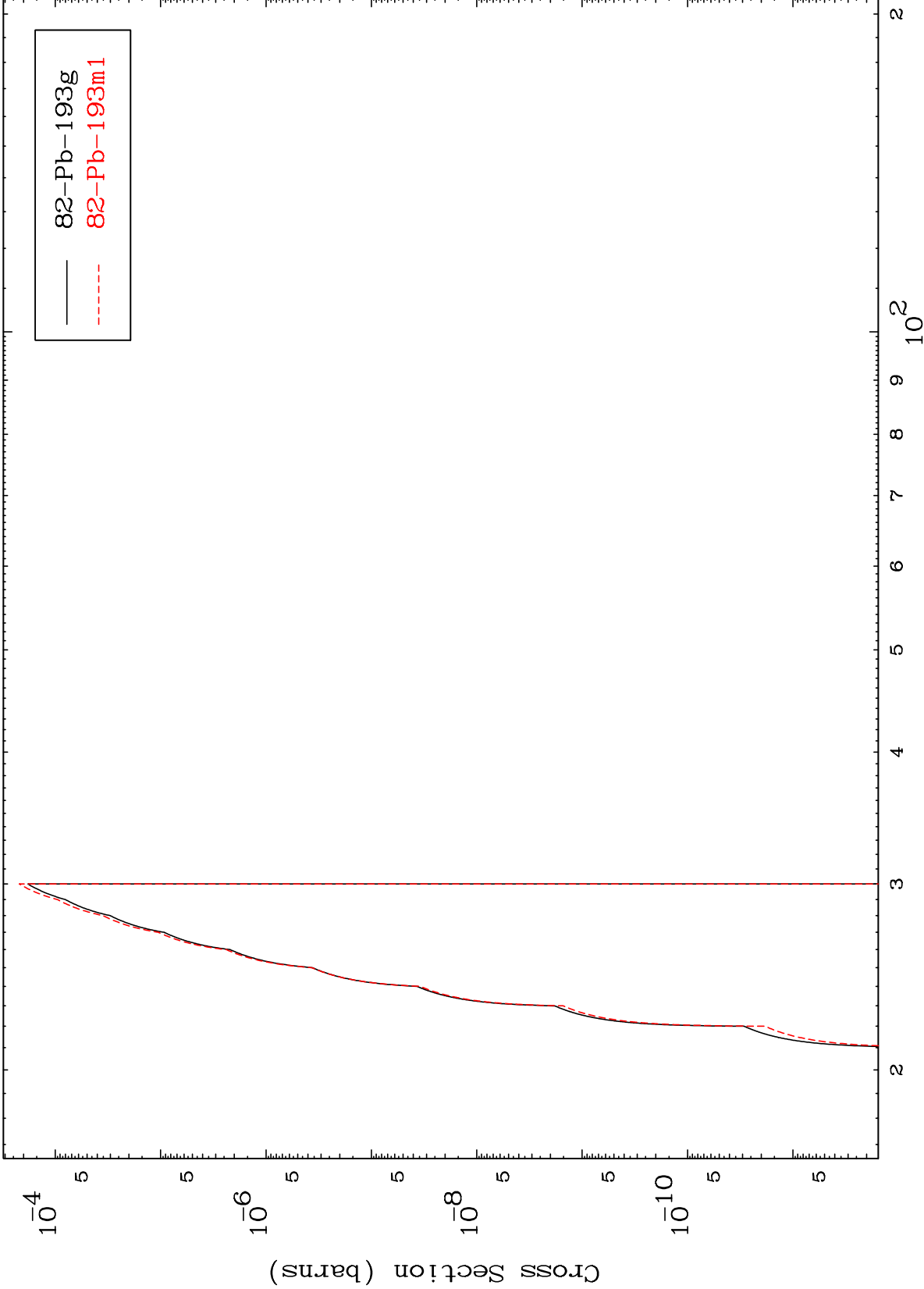
Inelastic
Radionuclide Production Cross Section

83-Bi-196



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

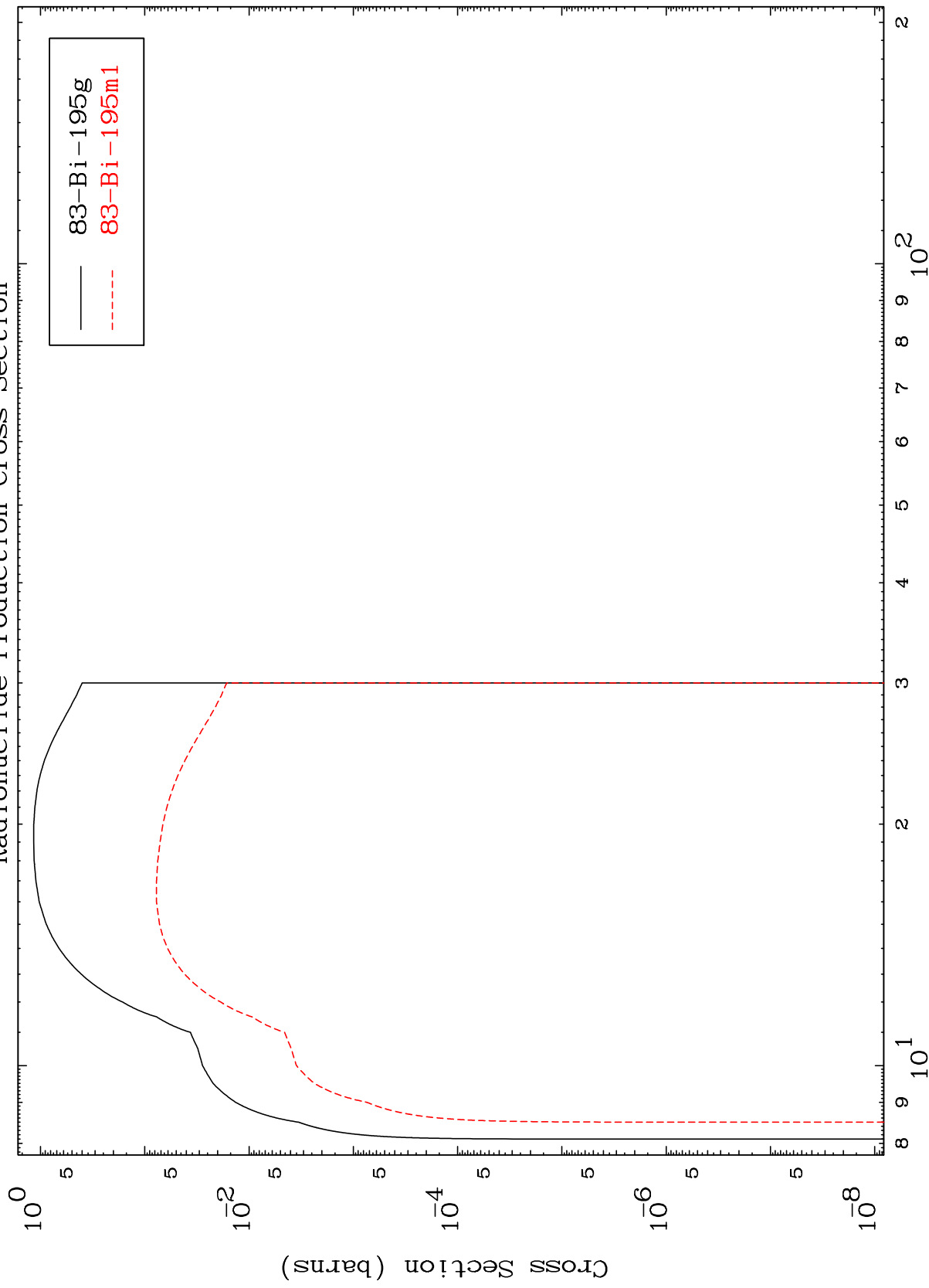
Radionuclide Production Cross Section



MAT 8286

83-Bi-196

(n,2n)
Radionuclide Production Cross Section

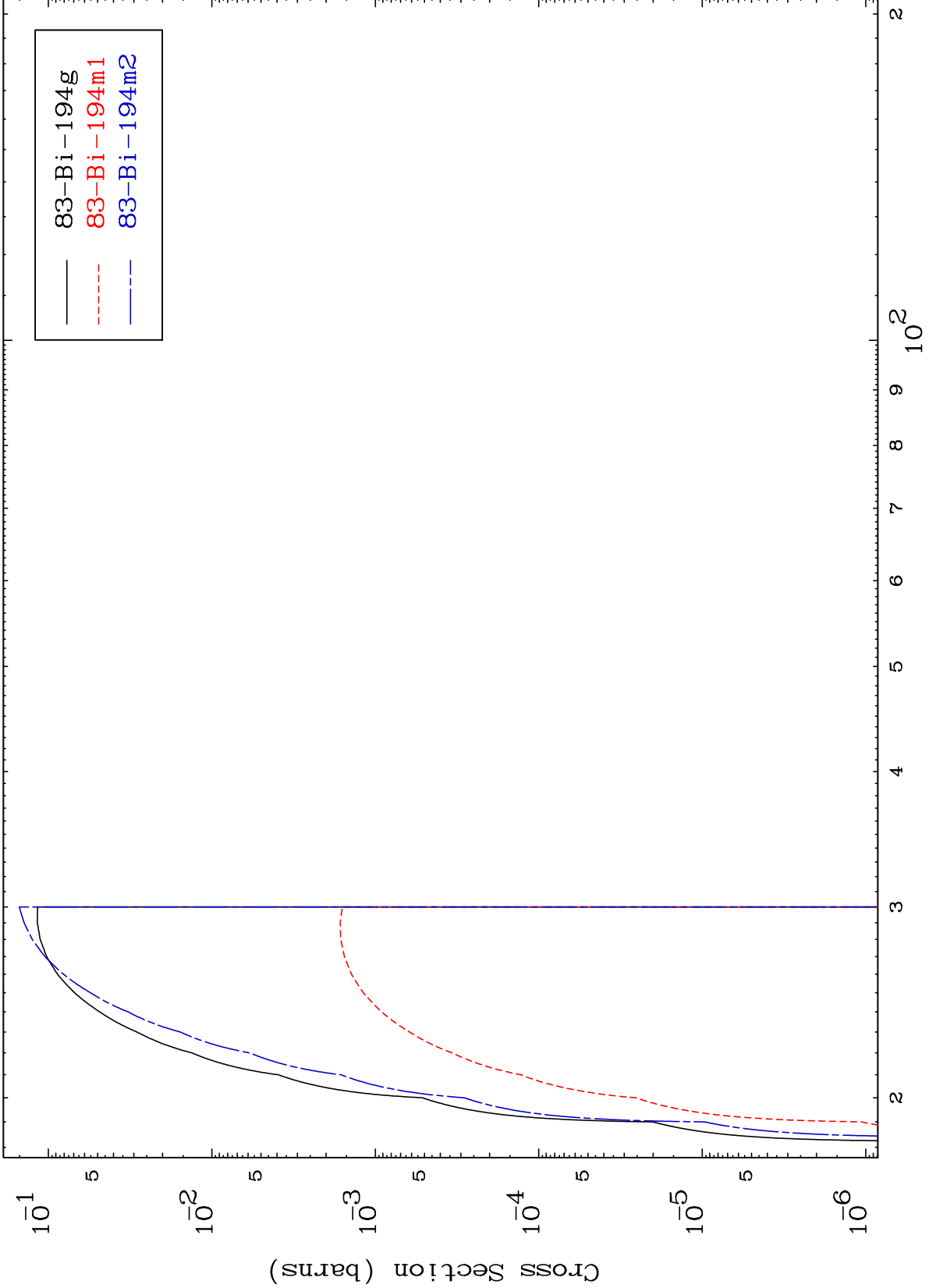


97

Incident Energy (MeV)

83-Bi-196

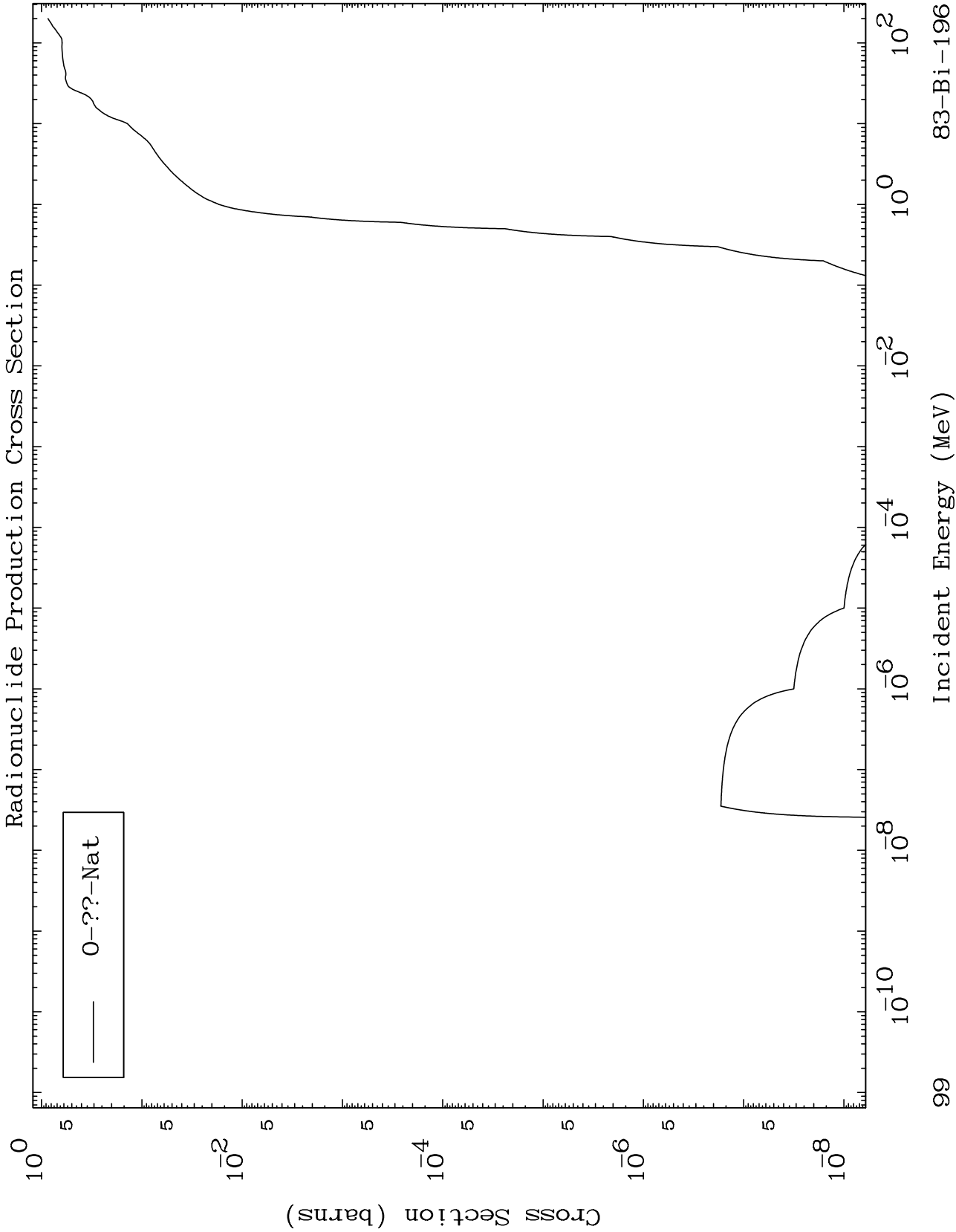
Radionuclide Production Cross Section



MAT 8286

Fission

83-Bi-196

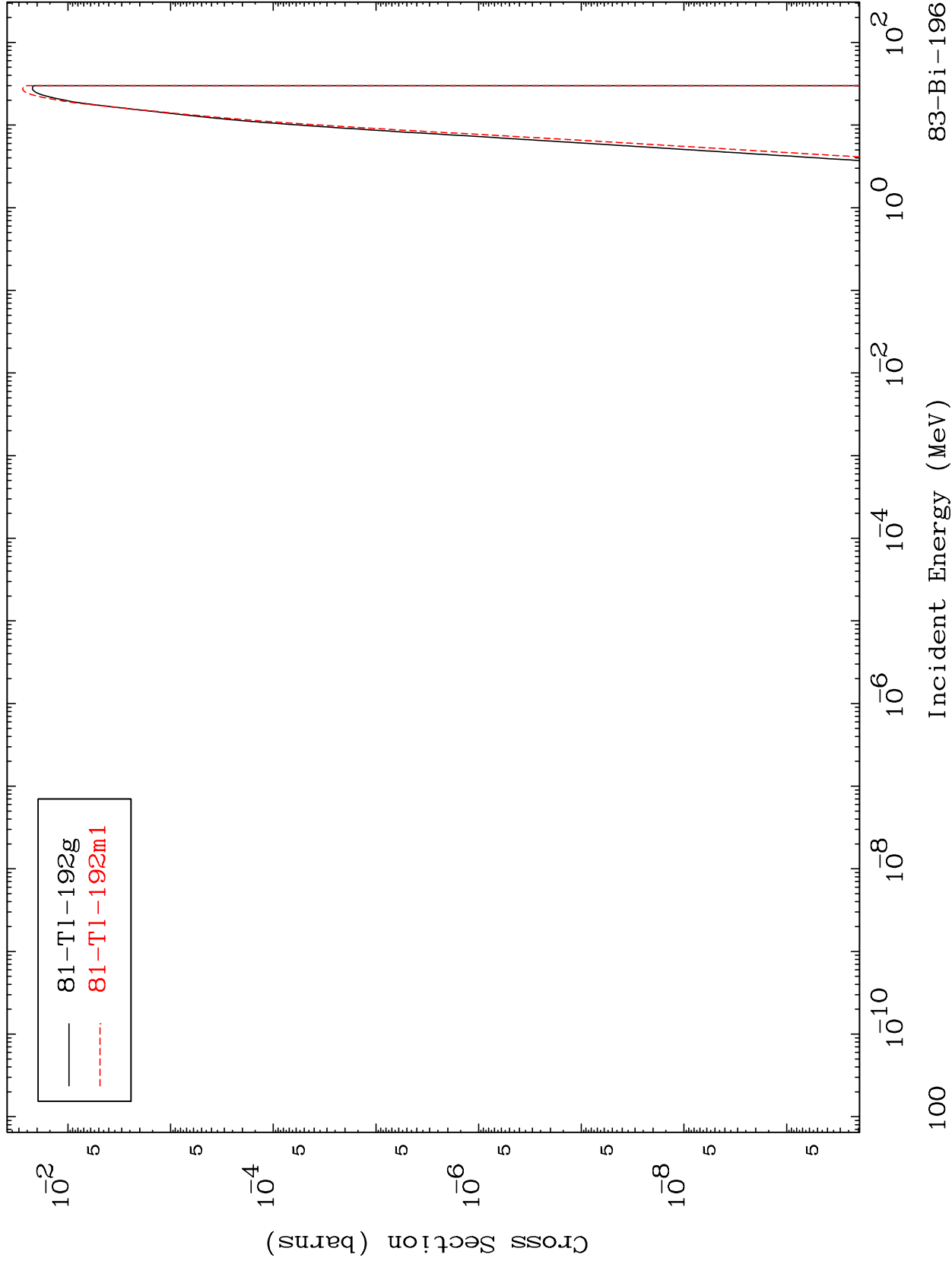


MAT 8286

$(n, n') \alpha$

83-Bi-196

Radionuclide Production Cross Section



100

Incident Energy (MeV)

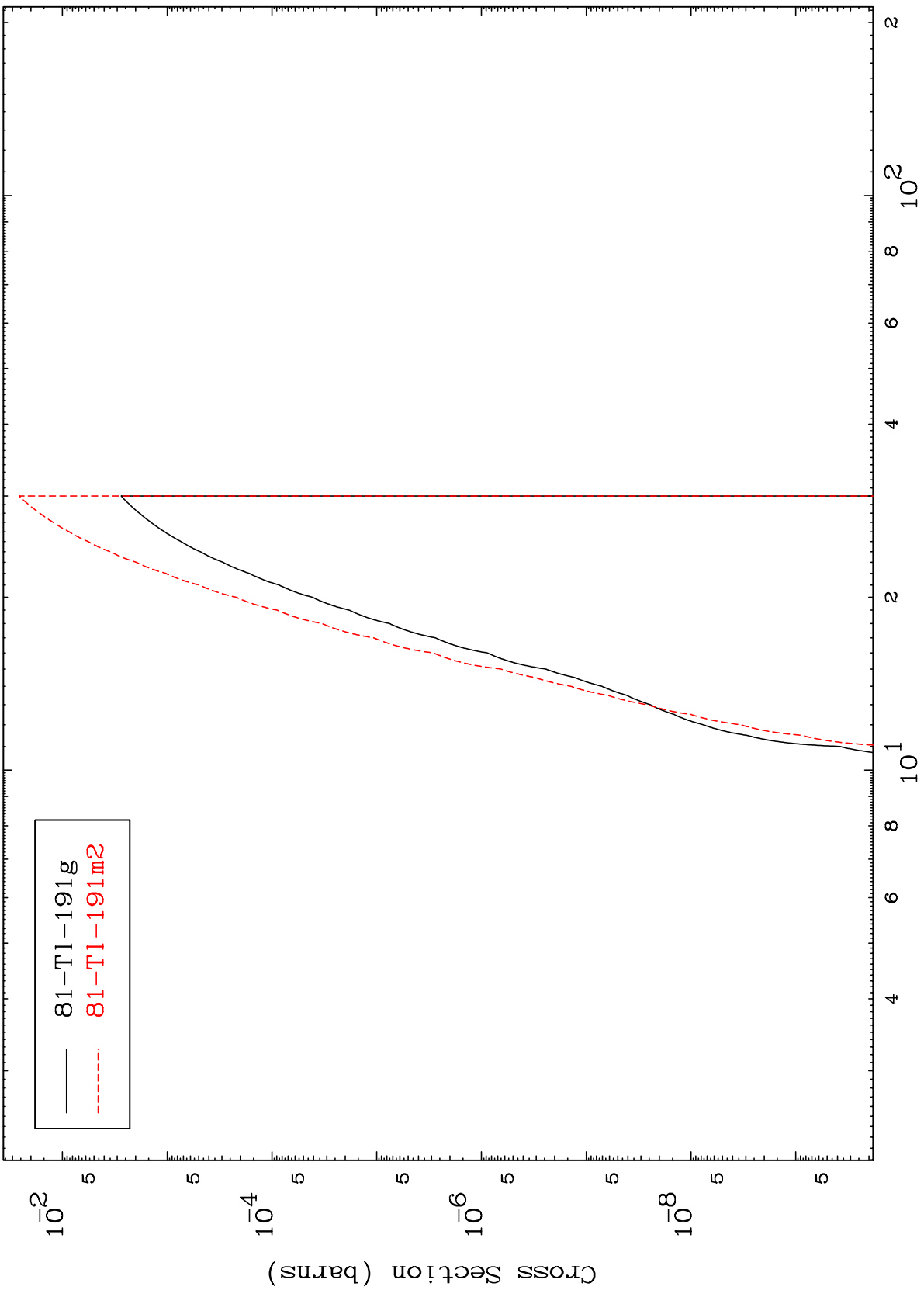
83-Bi-196

MAT 8286

(n,2n) α

83-Bi-196

Radionuclide Production Cross Section



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

101

Incident Energy (MeV)

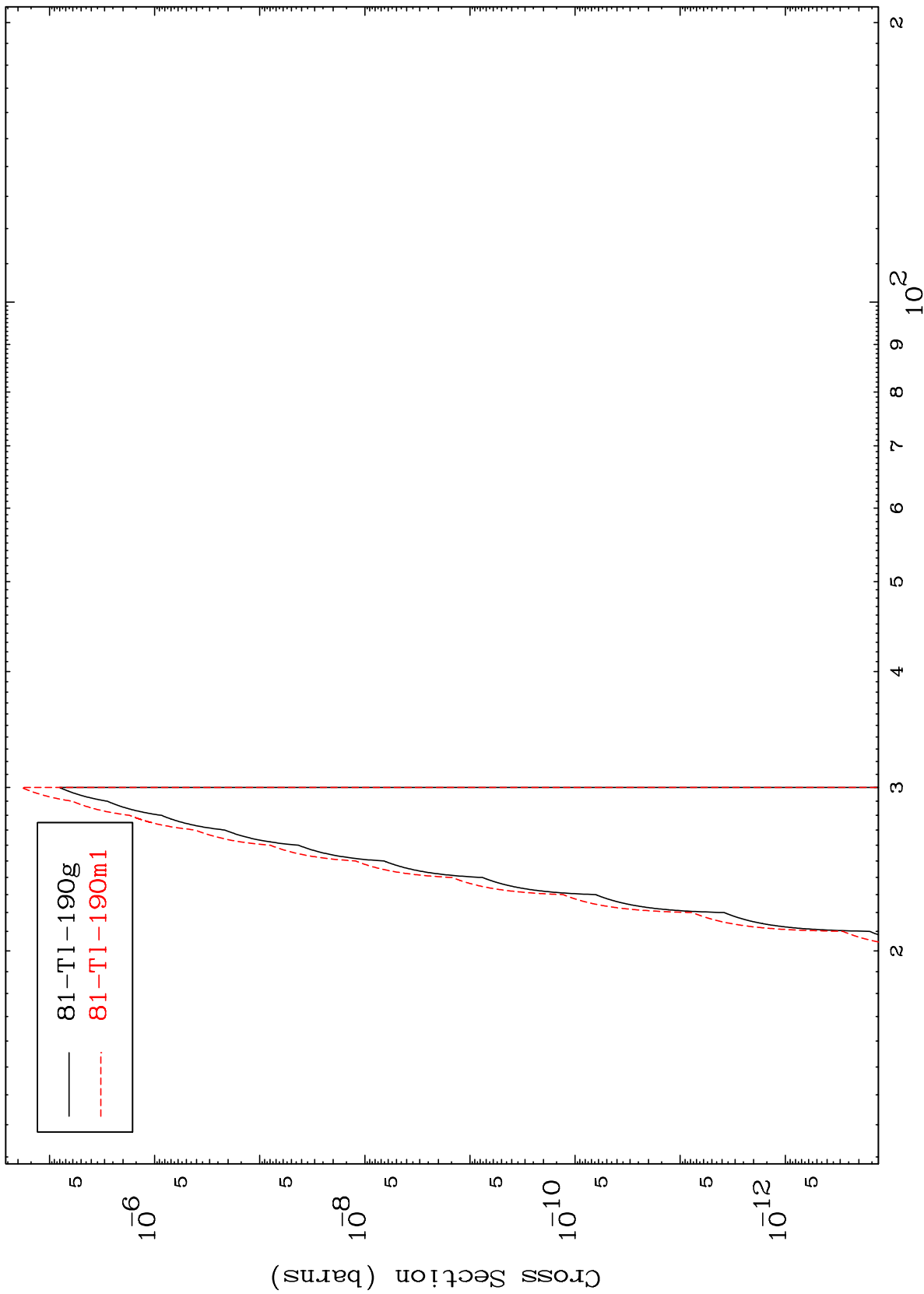
83-Bi-196

MAT 8286

(n,3n) α

83-Bi-196

Radionuclide Production Cross Section



102

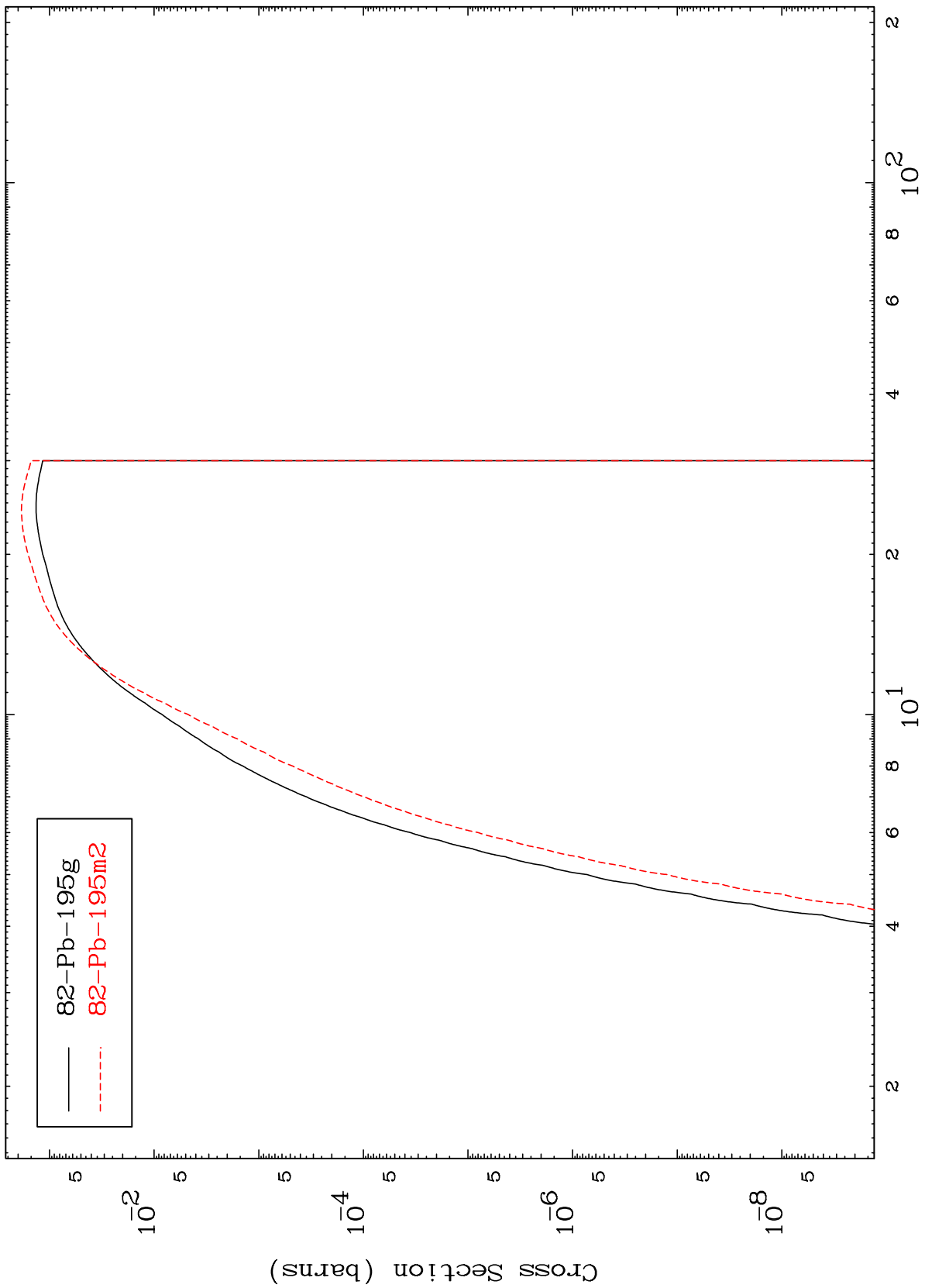
Incident Energy (MeV)

83-Bi-196

MAT 8286

83-Bi-196

(n,n') p
Radionuclide Production Cross Section



— 82-Pb-195g
- - - 82-Pb-195m2

103

Incident Energy (MeV)

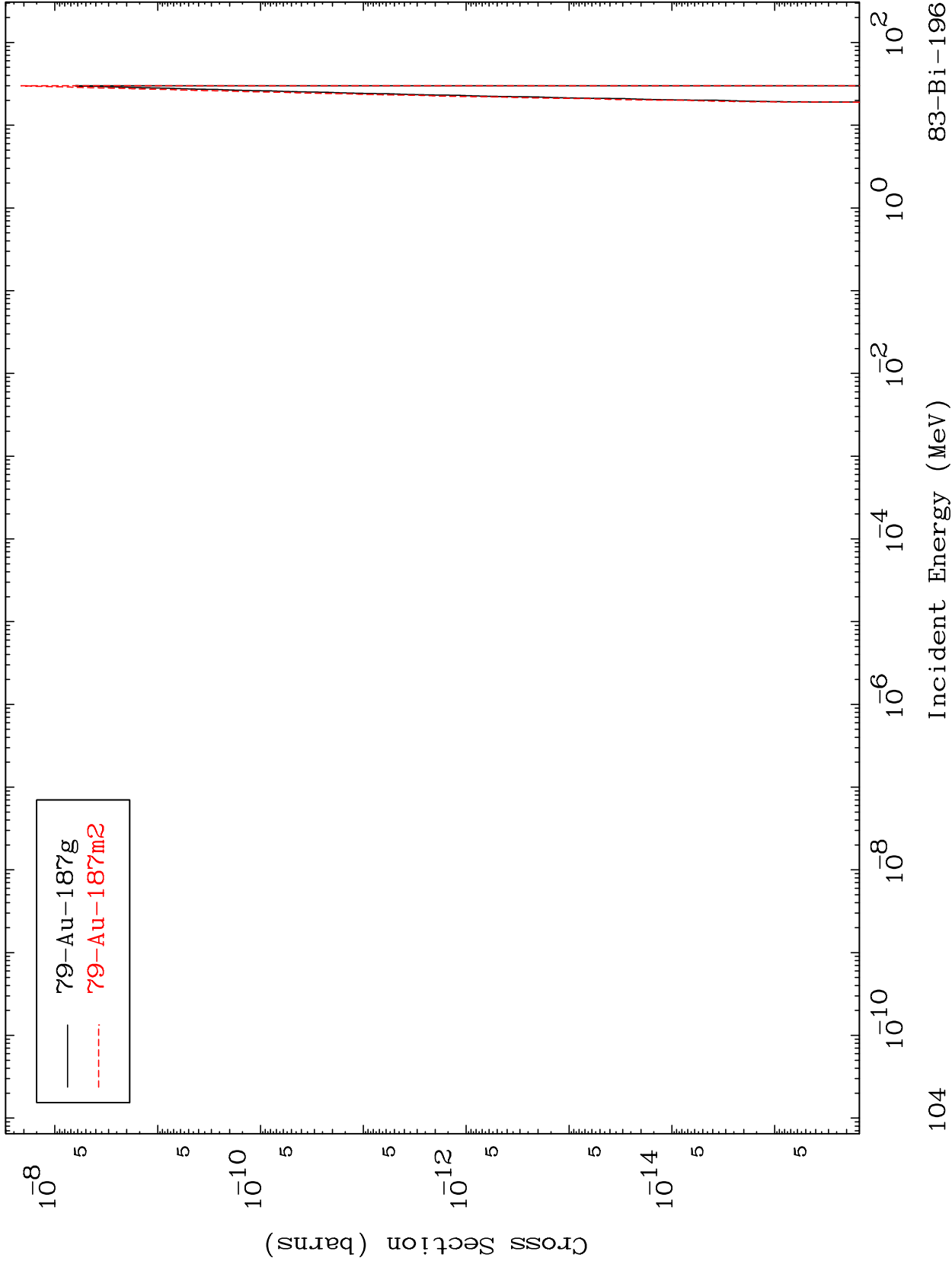
83-Bi-196

MAT 8286

$(n,2n) 2\alpha$

83-Bi-196

Radionuclide Production Cross Section

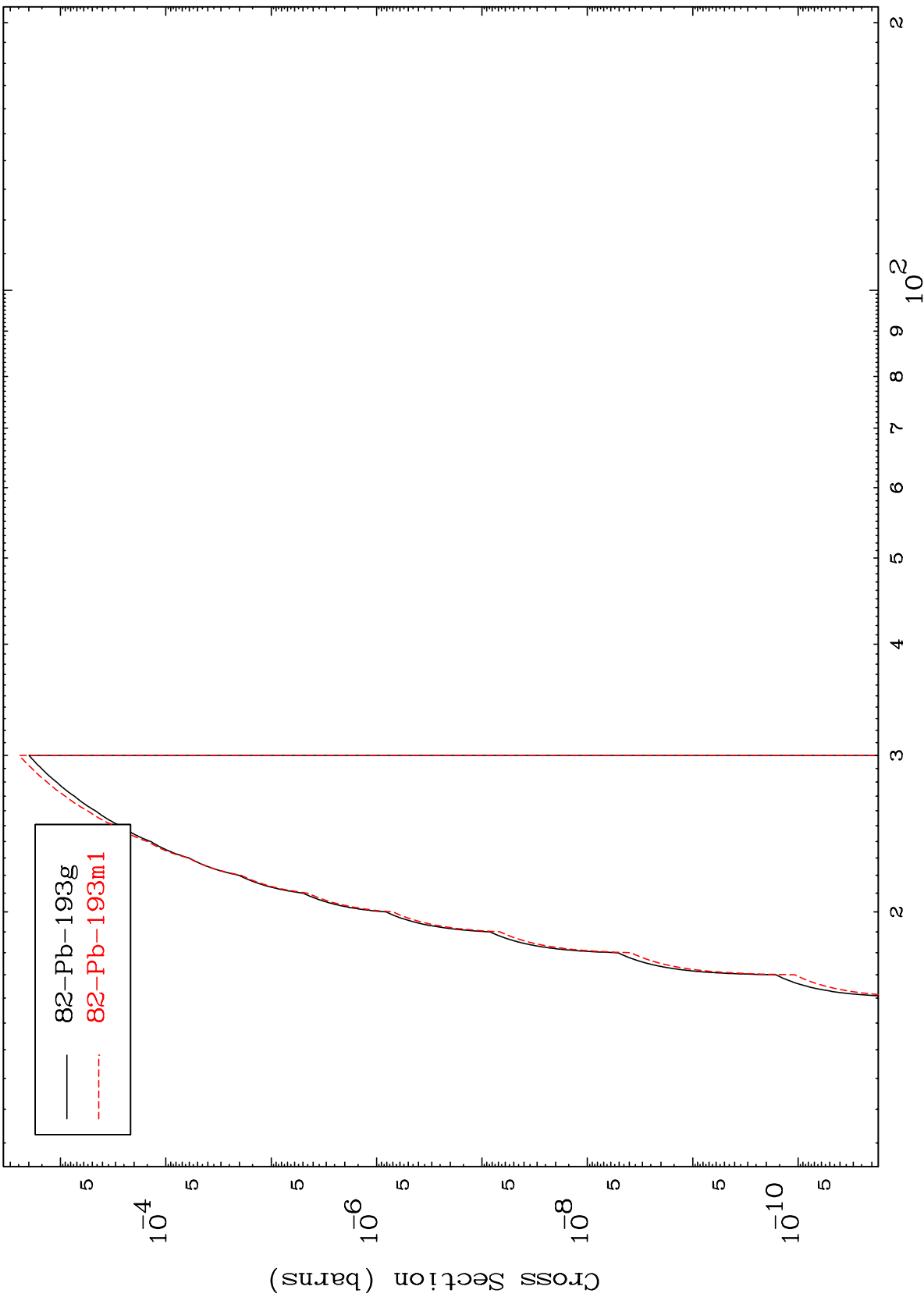


104

Incident Energy (MeV)

83-Bi-196

Radionuclide Production Cross Section

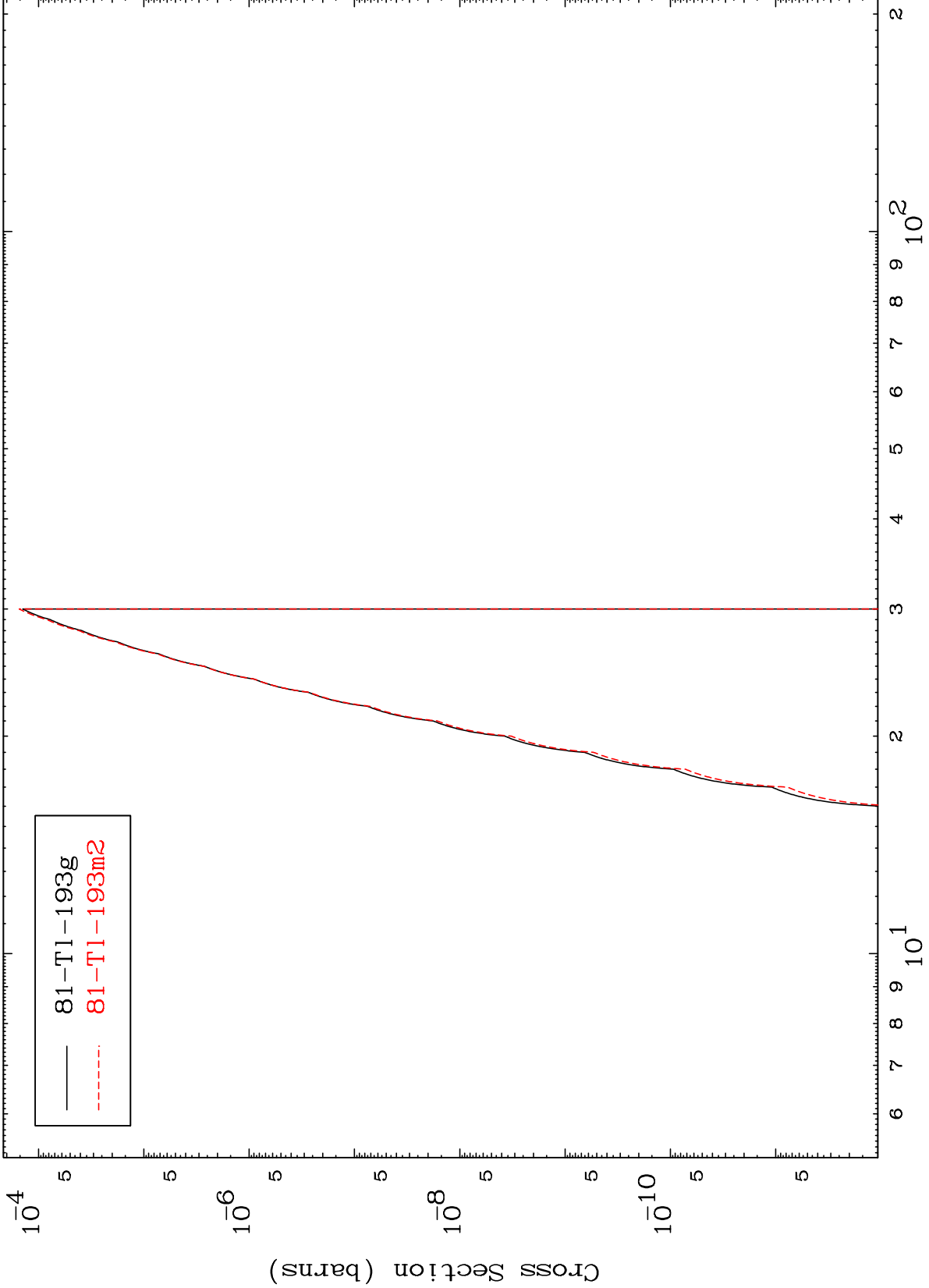


MAT 8286

(n,n') He-3

83-Bi-196

Radionuclide Production Cross Section



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

106

Incident Energy (MeV)

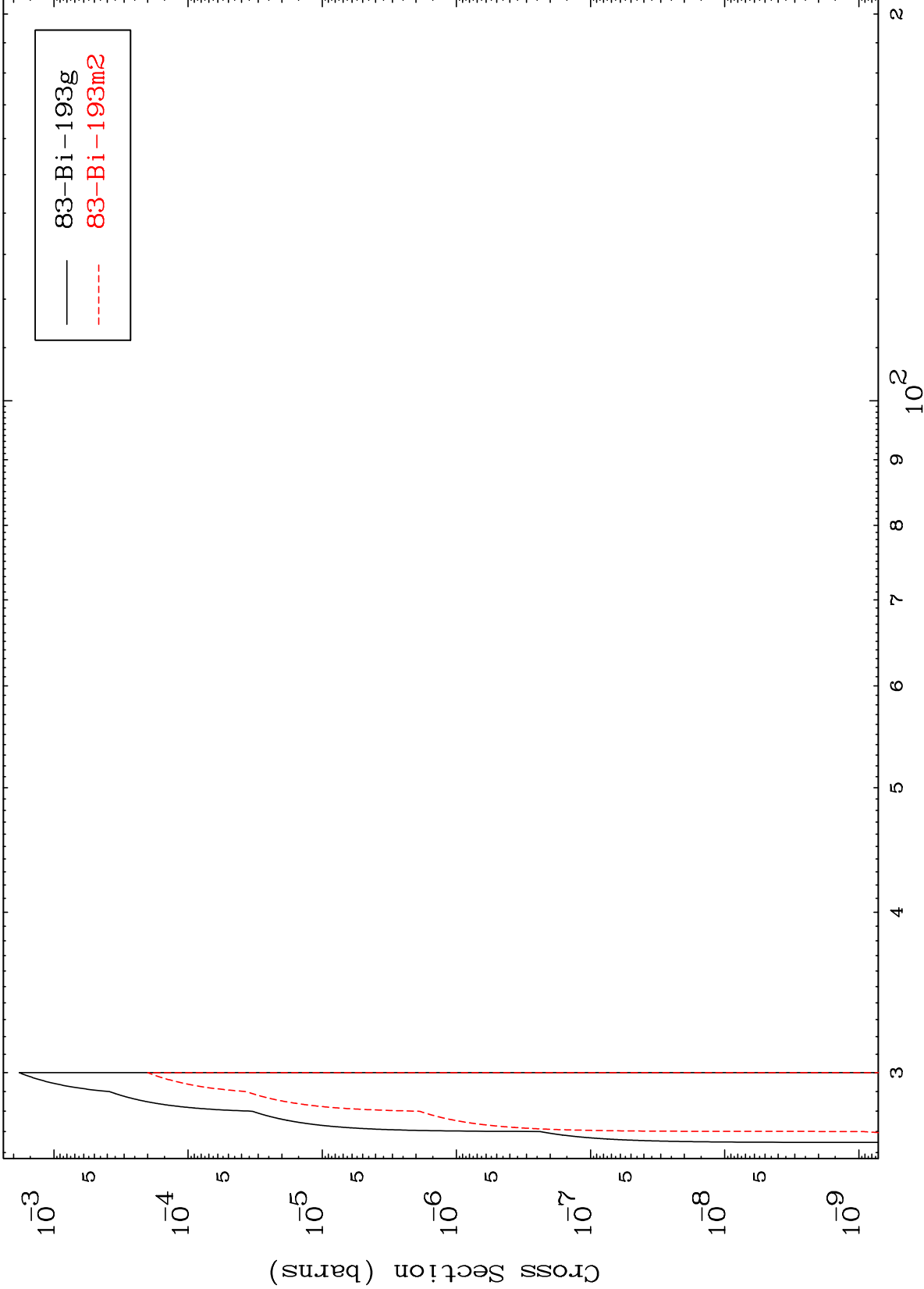
83-Bi-196

MAT 8286

(n,4n)

83-Bi-196

Radionuclide Production Cross Section



83-Bi-193g
83-Bi-193m2

107

Incident Energy (MeV)

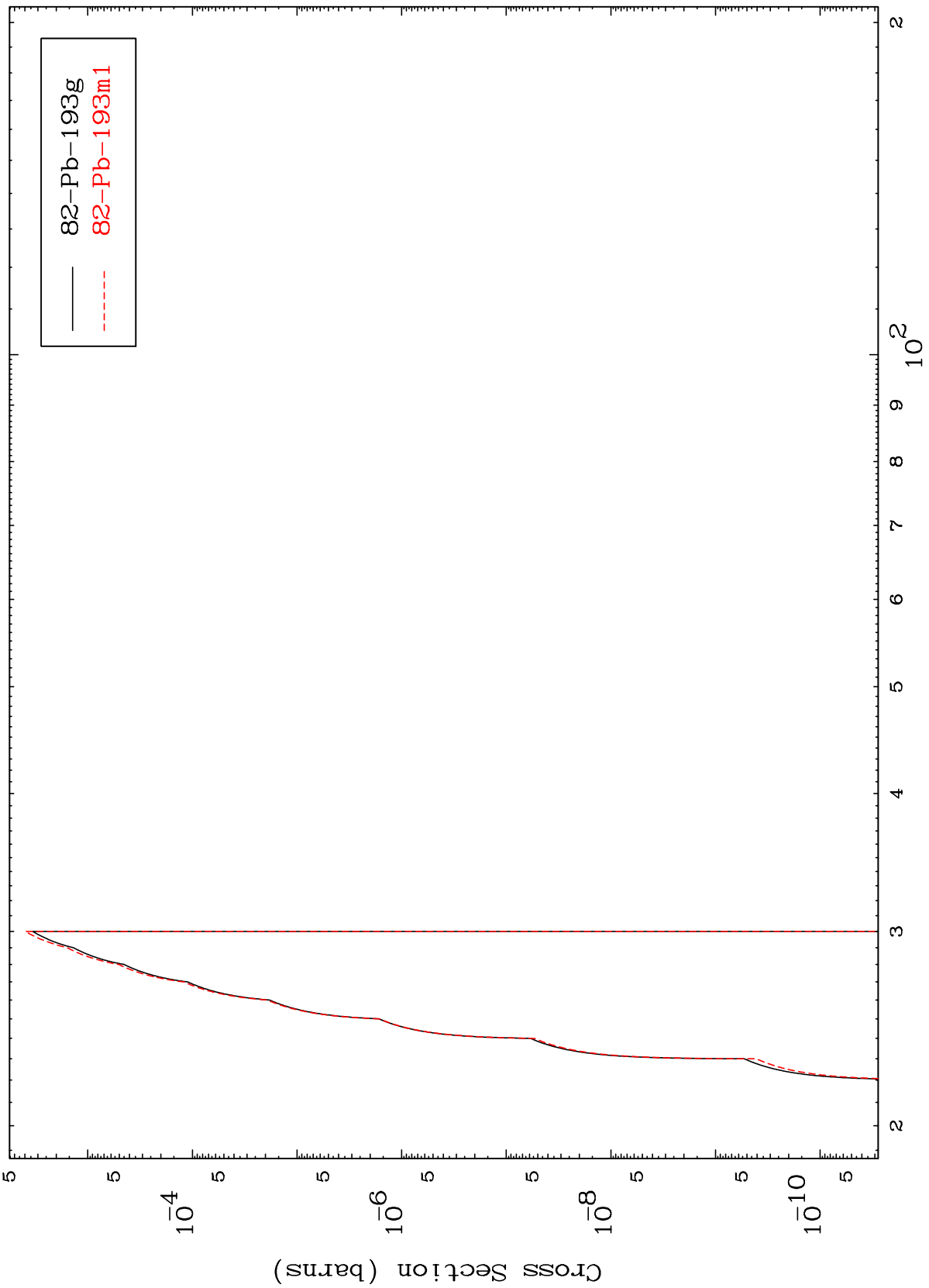
83-Bi-196

MAT 8286

(n,3n) p

83-Bi-196

Radionuclide Production Cross Section



108

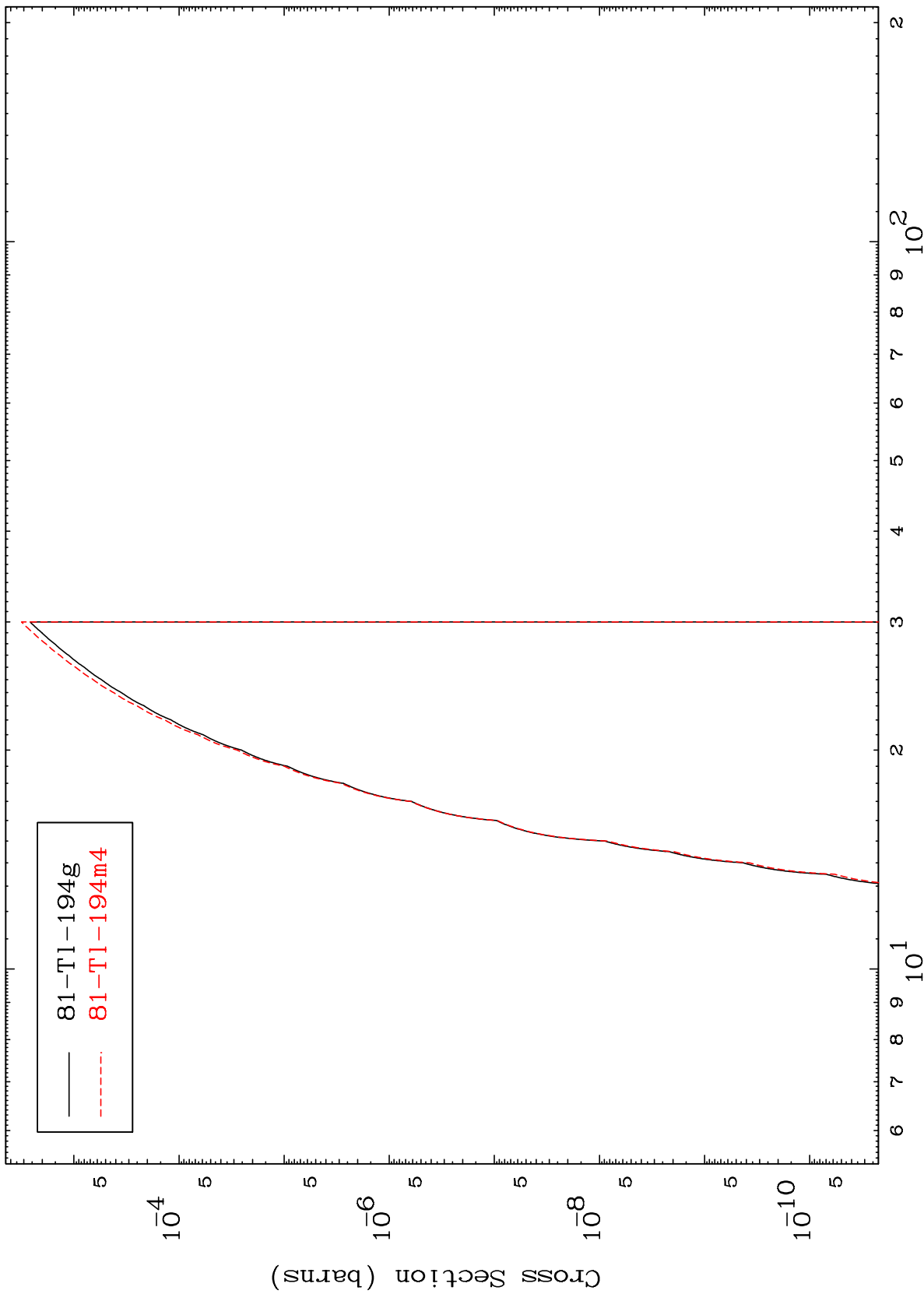
Incident Energy (MeV)

83-Bi-196

MAT 8286

83-Bi-196

(n,2n) p
Radionuclide Production Cross Section



109

Incident Energy (MeV)

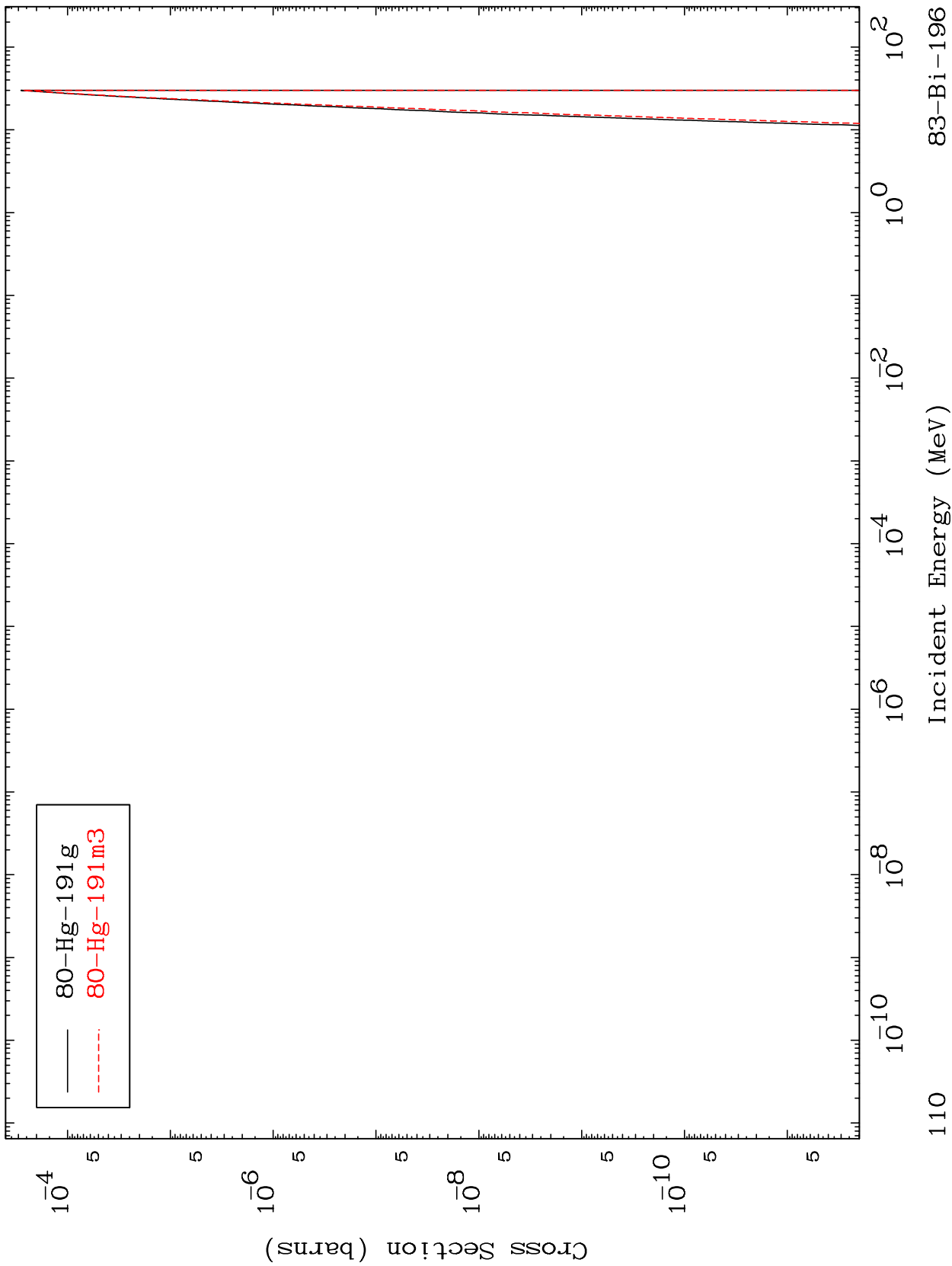
83-Bi-196

MAT 8286

(n,n') p α

83-Bi-196

Radionuclide Production Cross Section



110

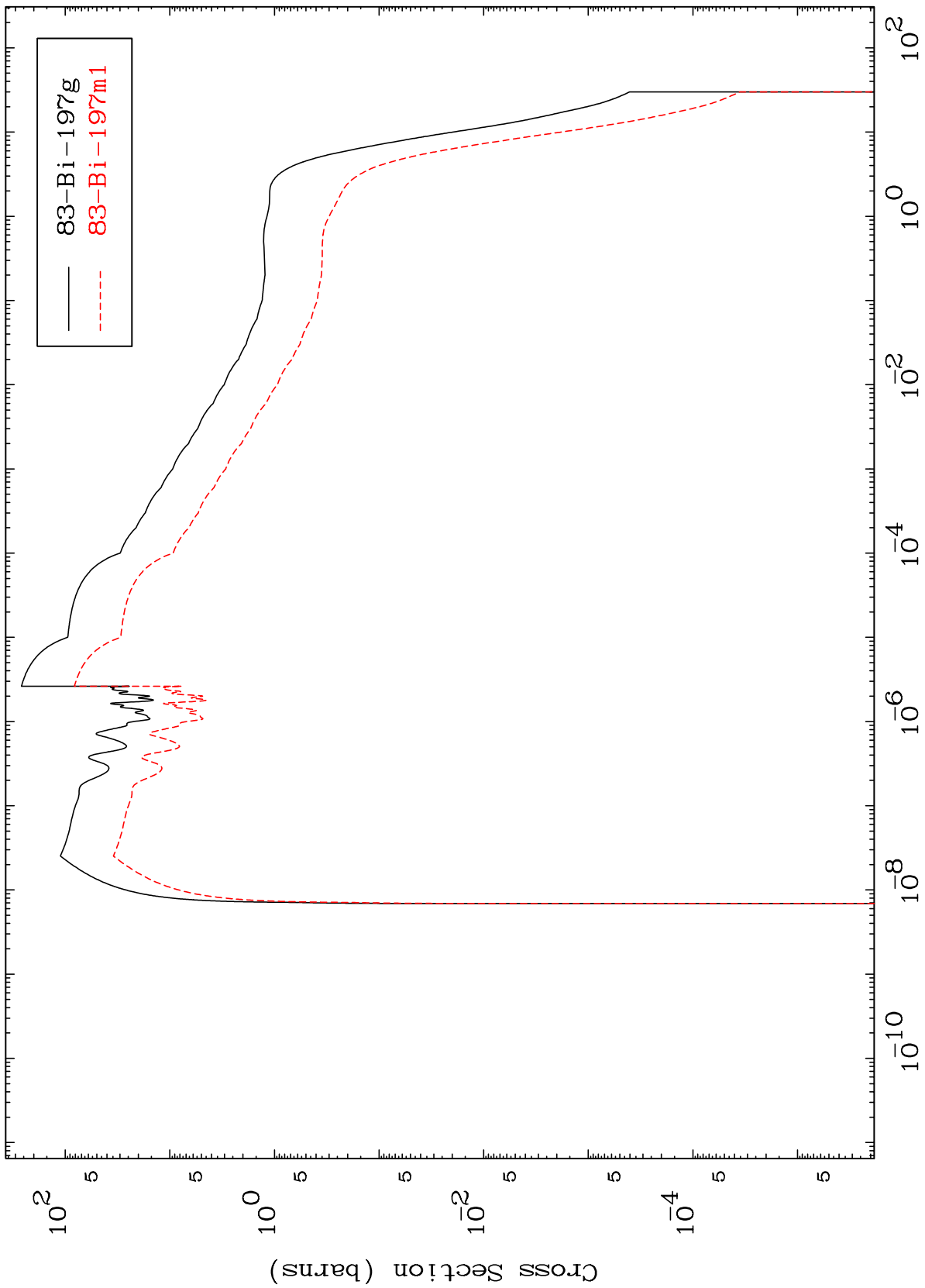
Incident Energy (MeV)

83-Bi-196

MAT 8286

83-Bi-196

(n,γ)
Radionuclide Production Cross Section



111

83-Bi-196

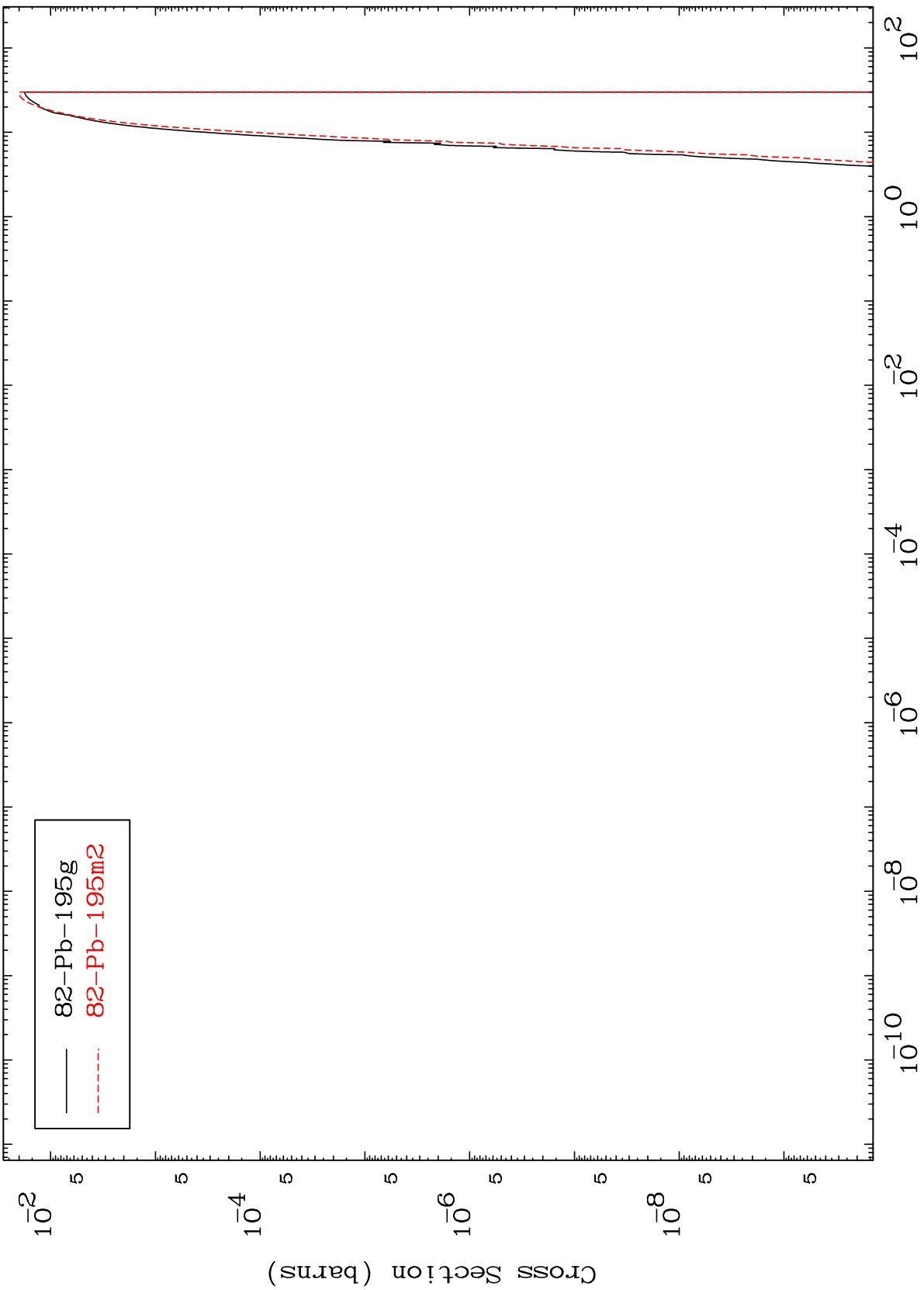
Incident Energy (MeV)

MAT 8286

(n,d)

83-Bi-196

Radionuclide Production Cross Section



82-Pb-195g
82-Pb-195m2

Incident Energy (MeV)

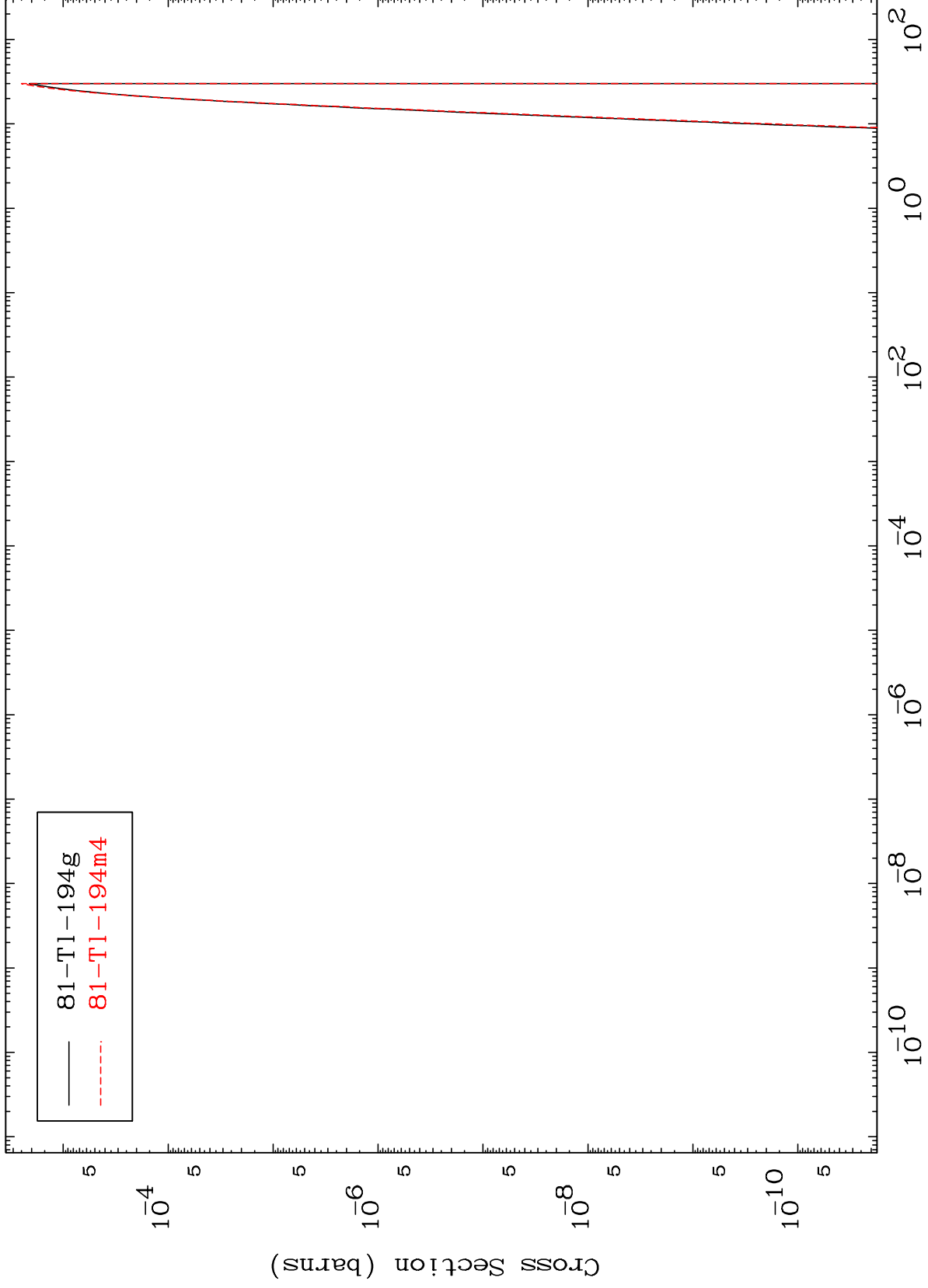
83-Bi-196

MAT 8286

(n,He-3)

83-Bi-196

Radionuclide Production Cross Section



113

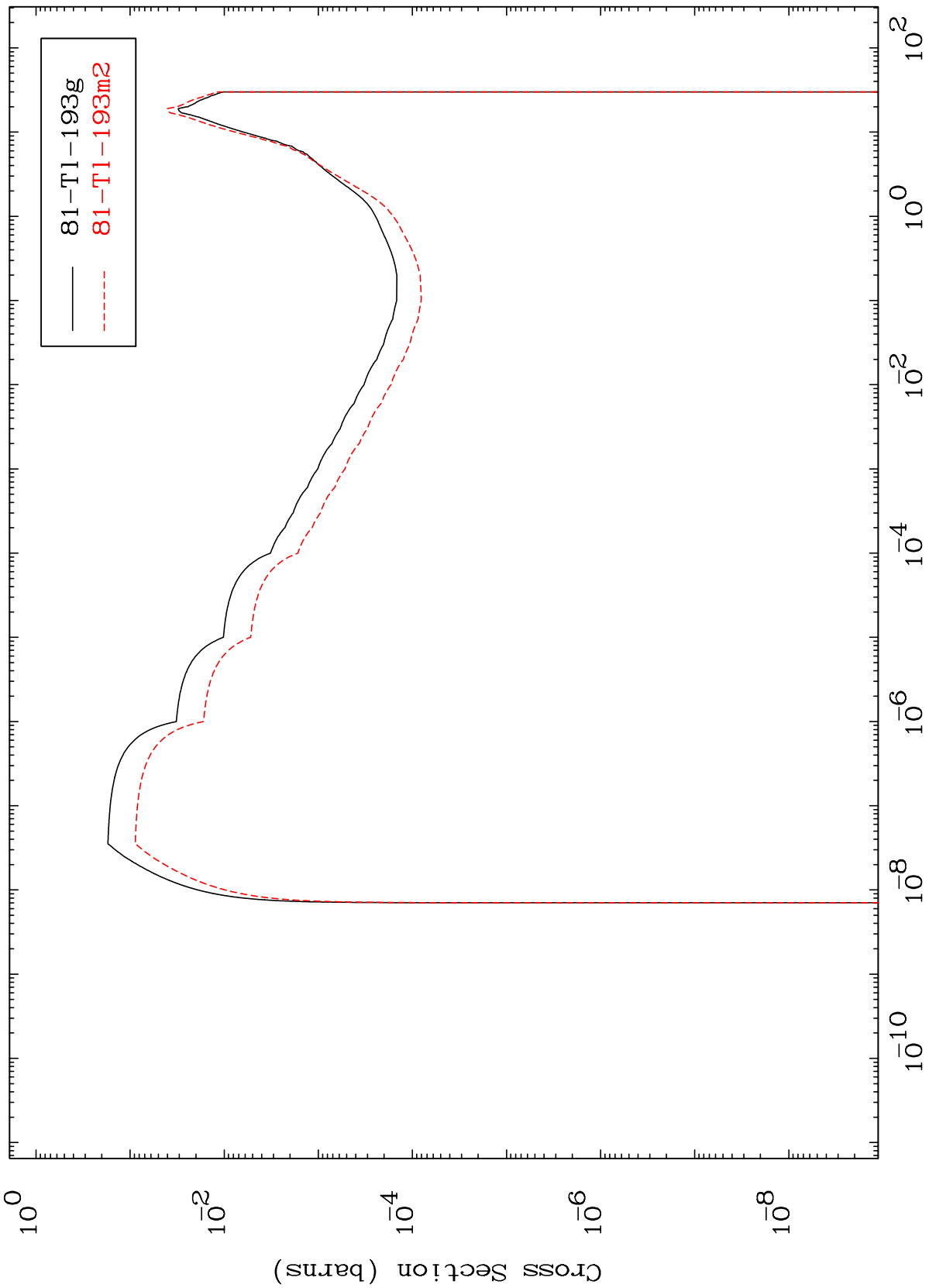
Incident Energy (MeV)

83-Bi-196

MAT 8286

83-Bi-196

(n, α)
Radionuclide Production Cross Section



114

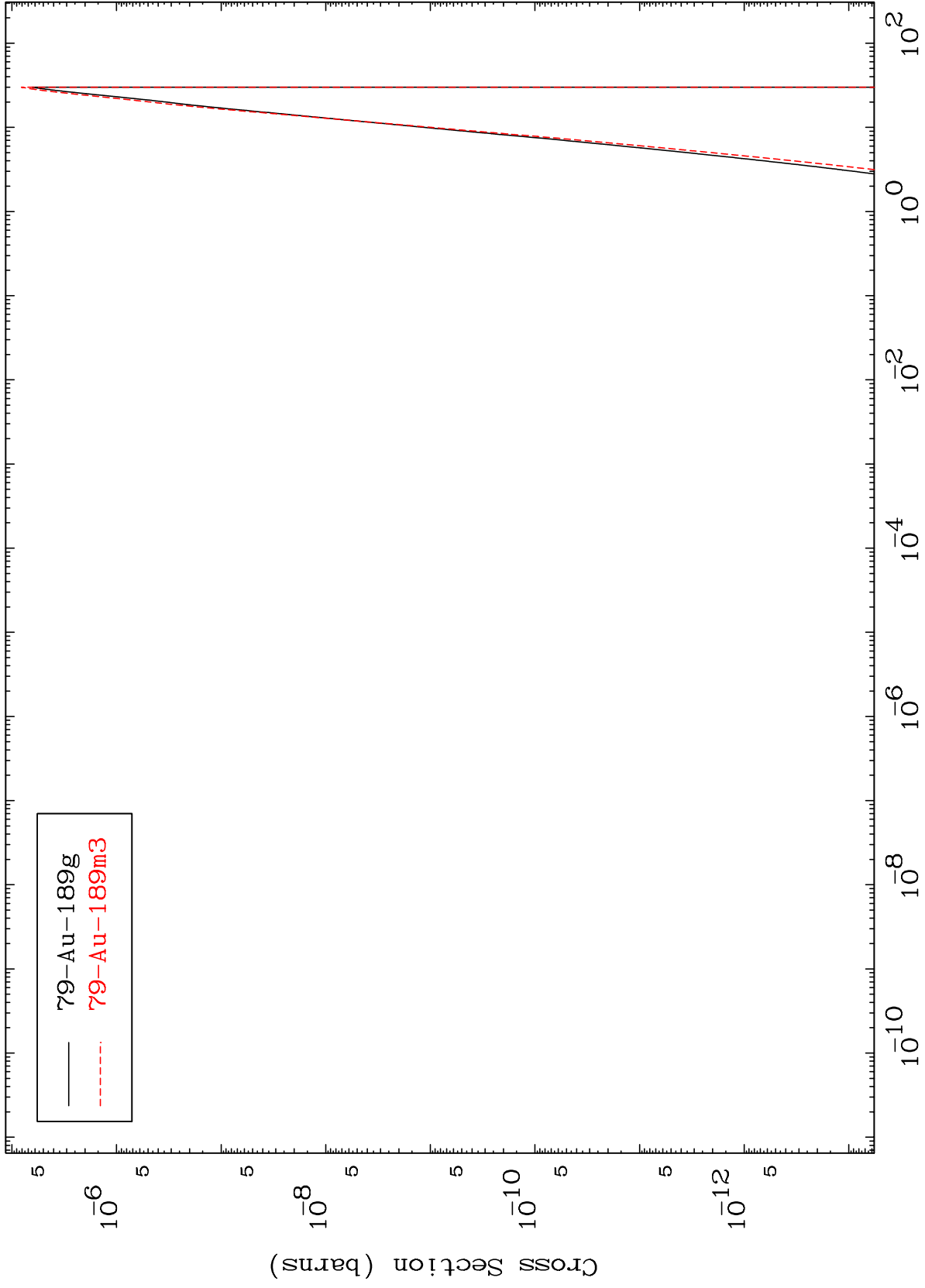
83-Bi-196

MAT 8286

(n,2α)

83-Bi-196

Radionuclide Production Cross Section



79-Au-189g
79-Au-189m3

115

Incident Energy (MeV)

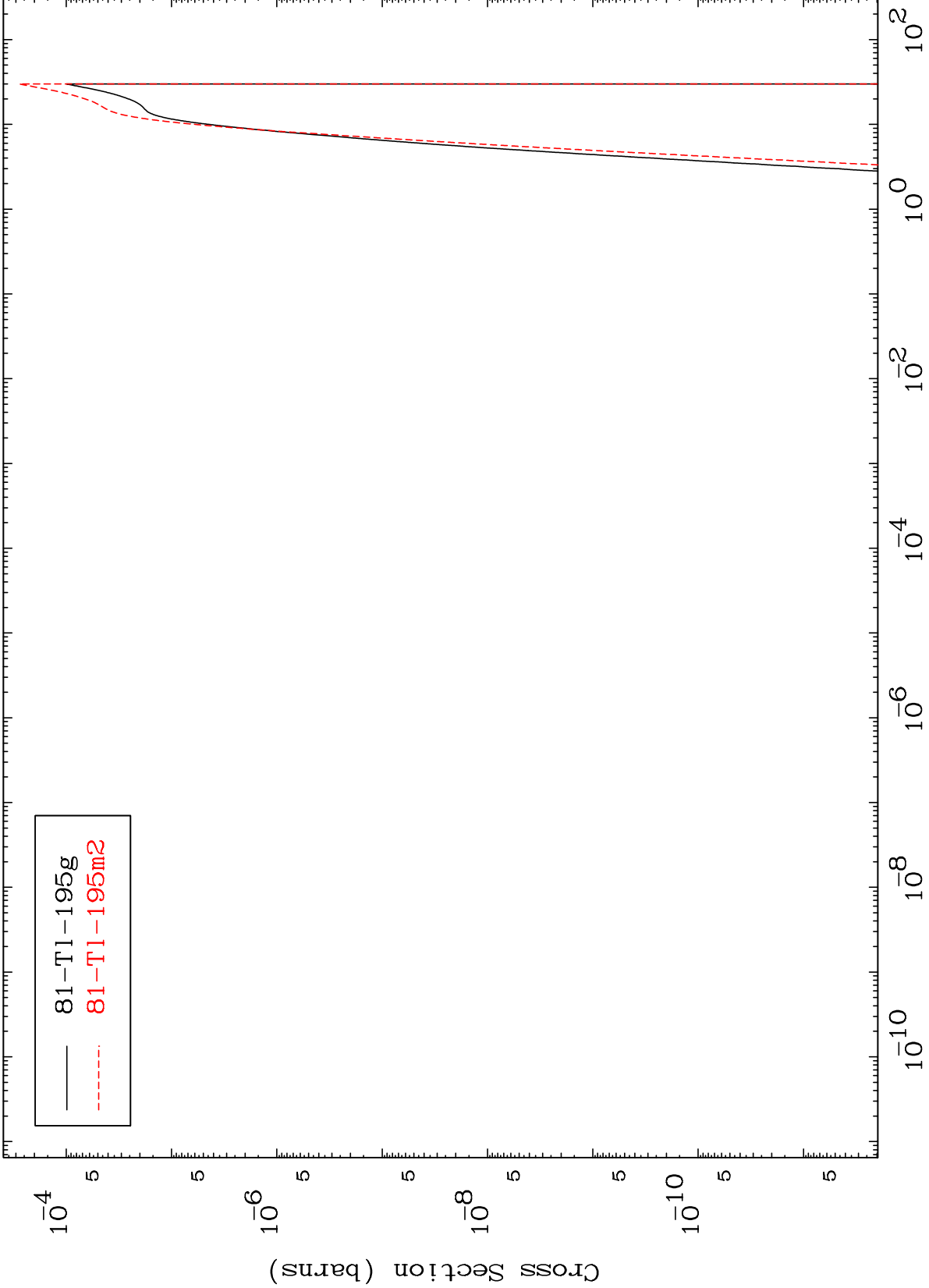
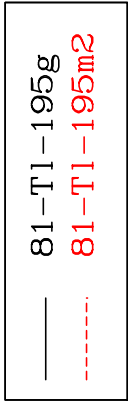
83-Bi-196

MAT 8286

(n,2p)

83-Bi-196

Radionuclide Production Cross Section



116

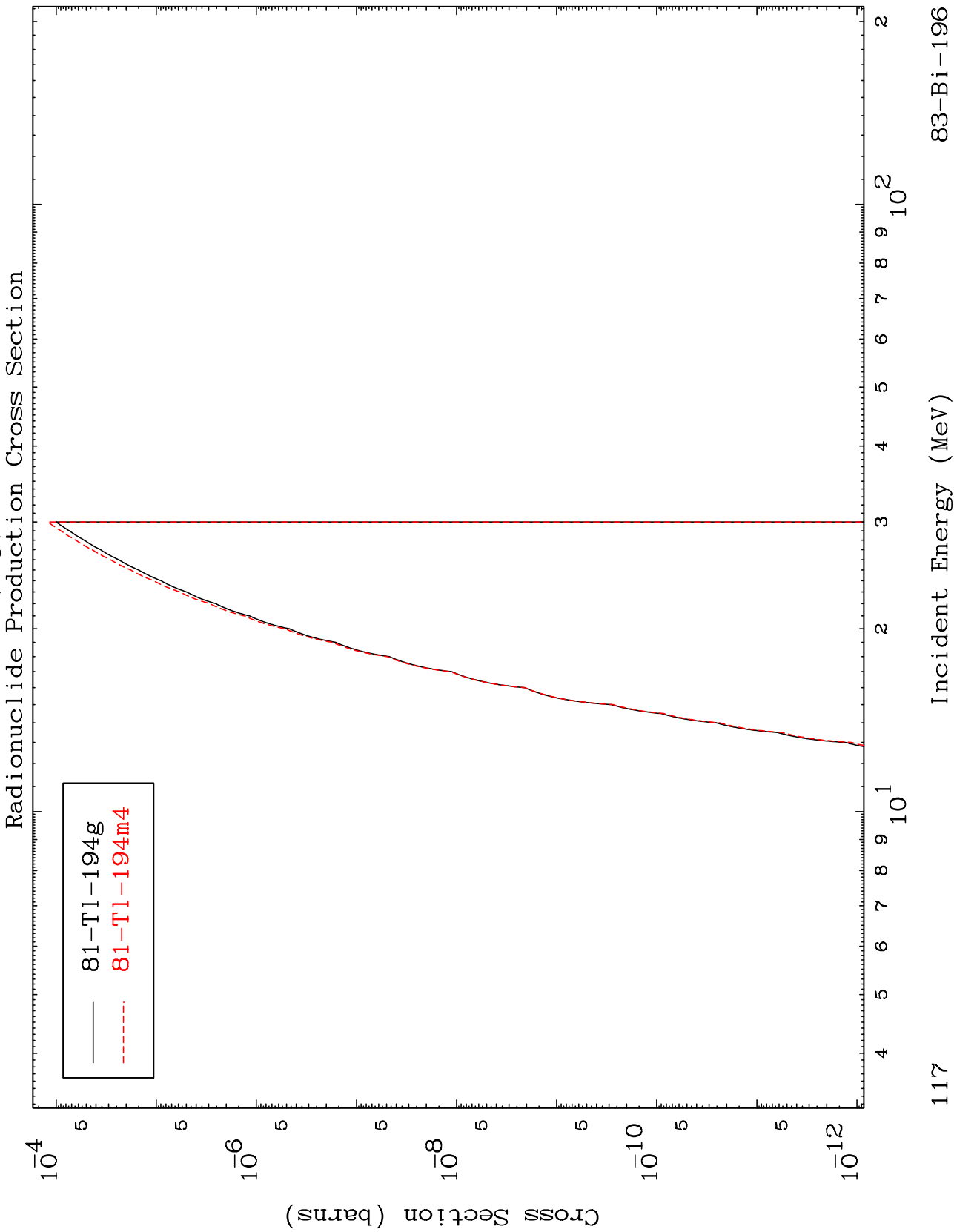
Incident Energy (MeV)

83-Bi-196

MAT 8286

(n,p) d

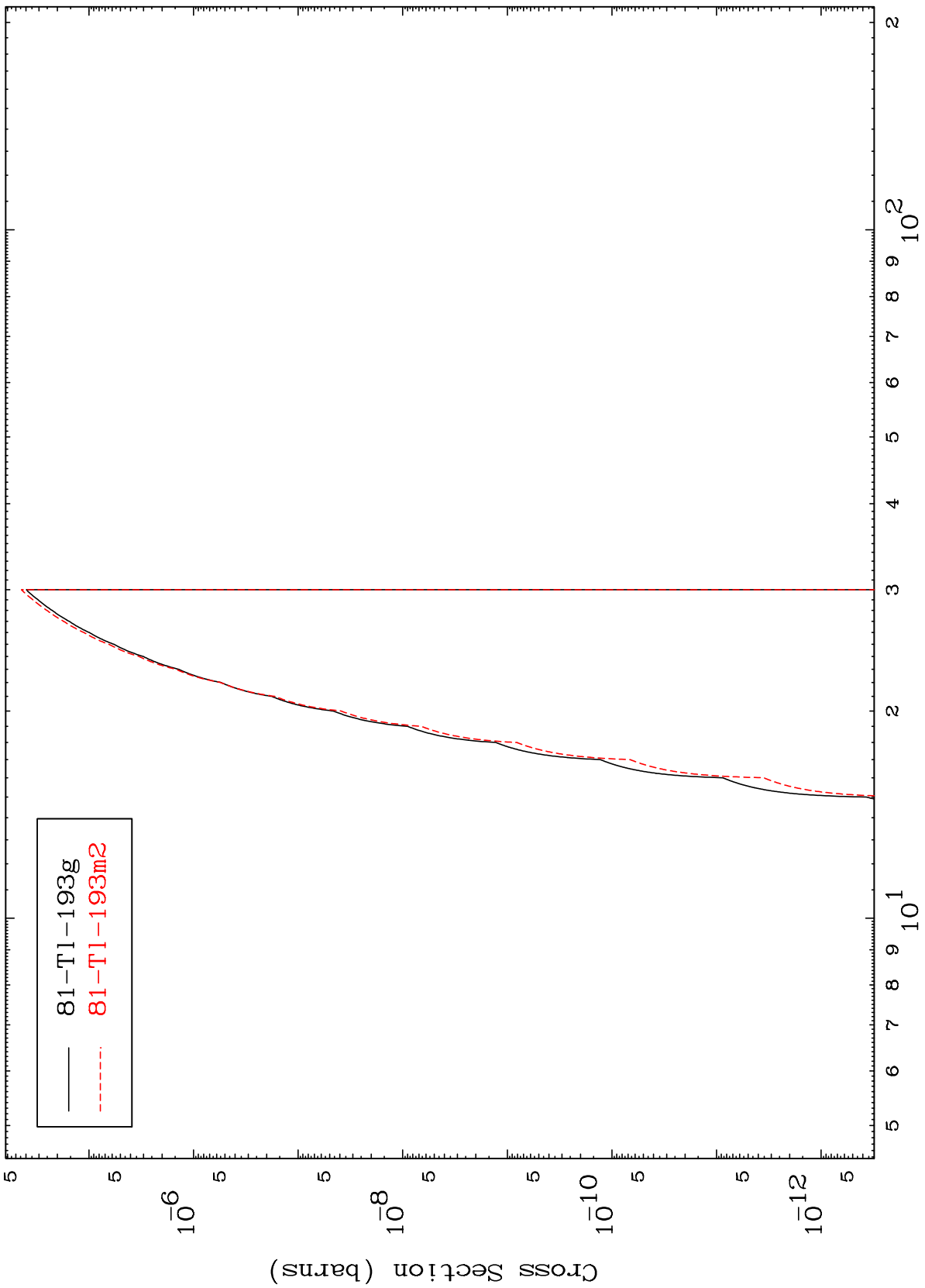
83-Bi-196



117

83-Bi-196

Radionuclide Production Cross Section



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

MAT 8286

(n,d) α

83-Bi-196

Radionuclide Production Cross Section

