

Program EVALPLOT
(Version 2017-1)

by

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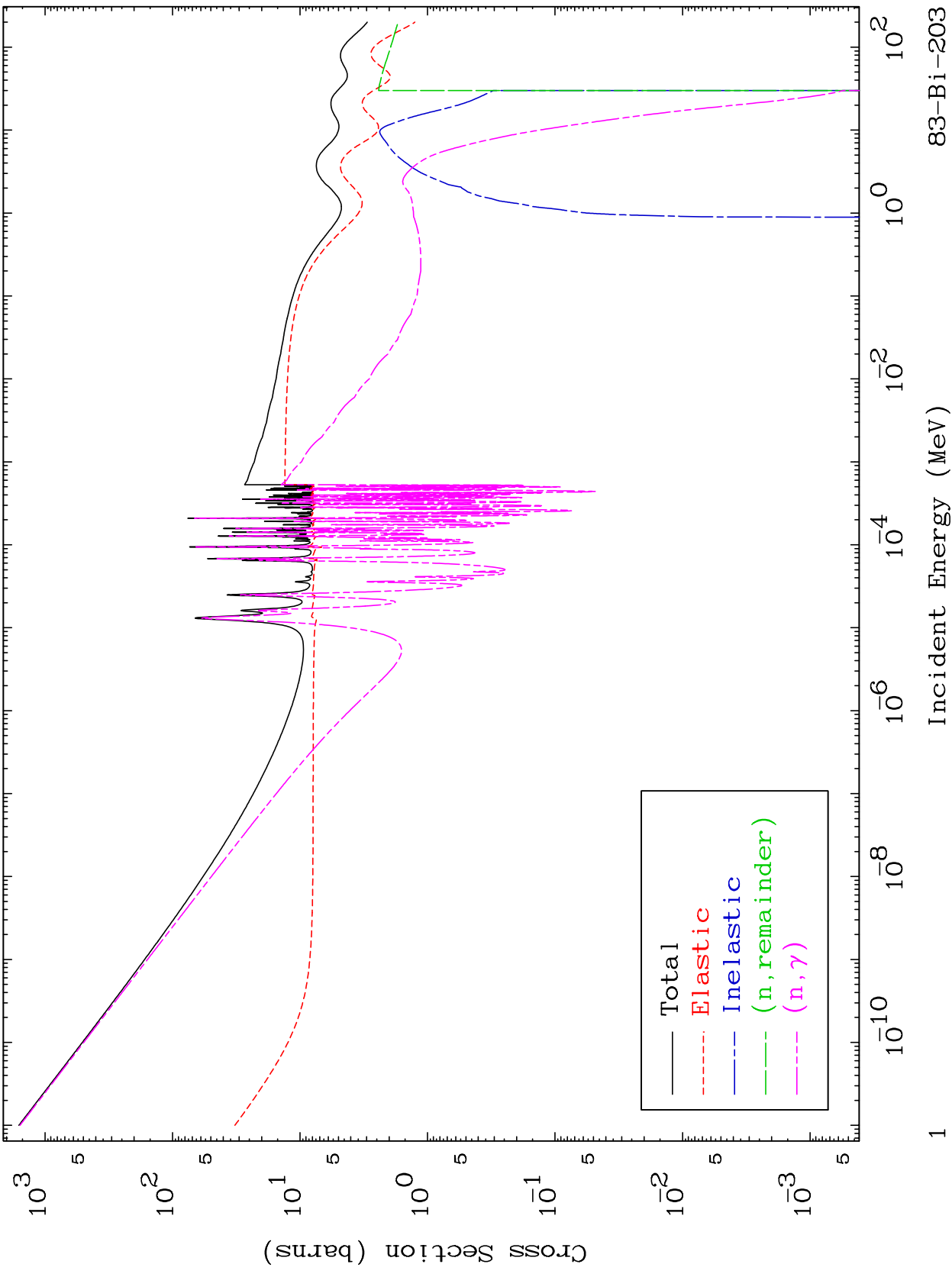
Press Mouse Button to Start

MAT 8307

Major

293 Kelvin Cross Sections

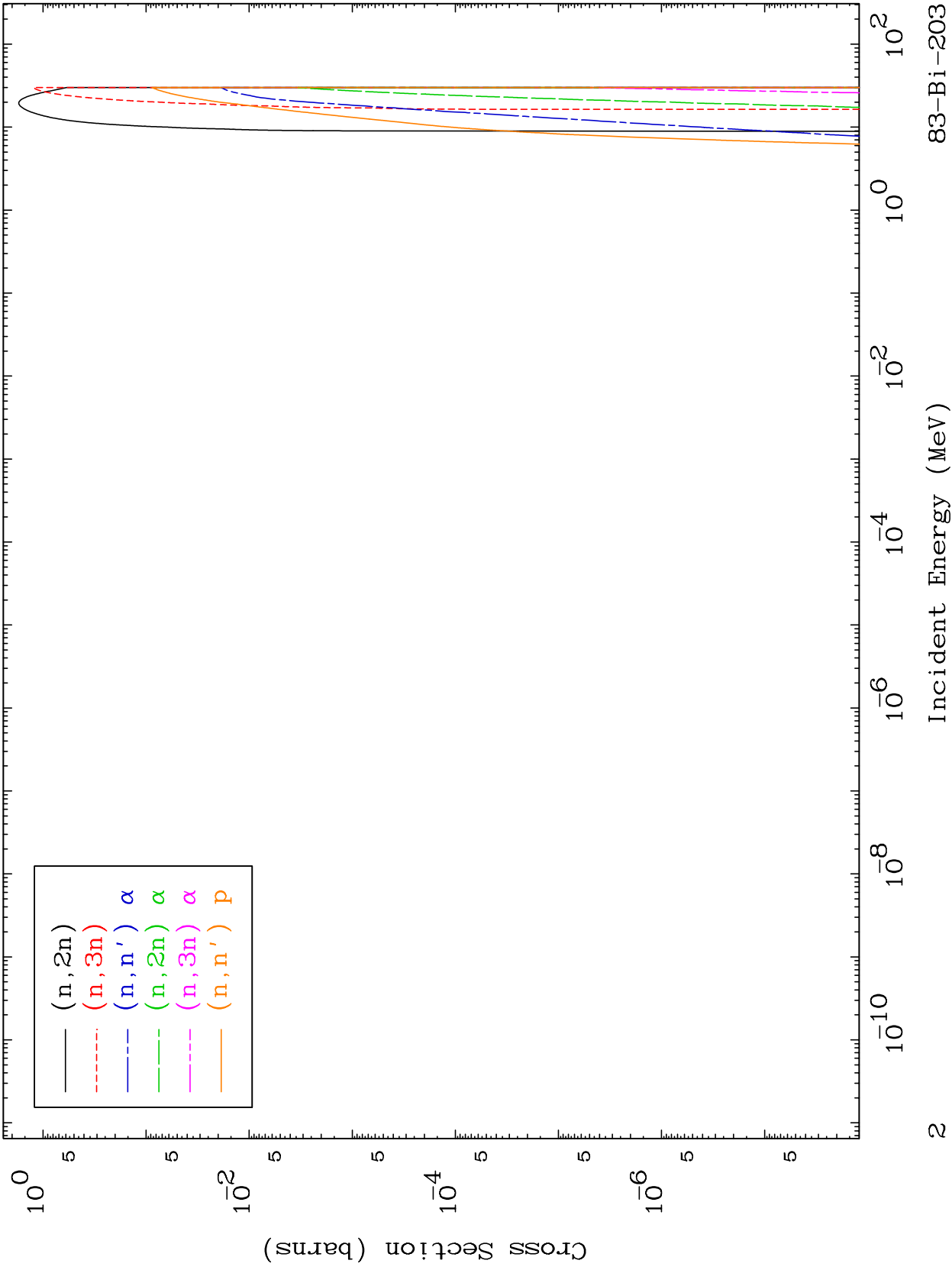
83-Bi-203

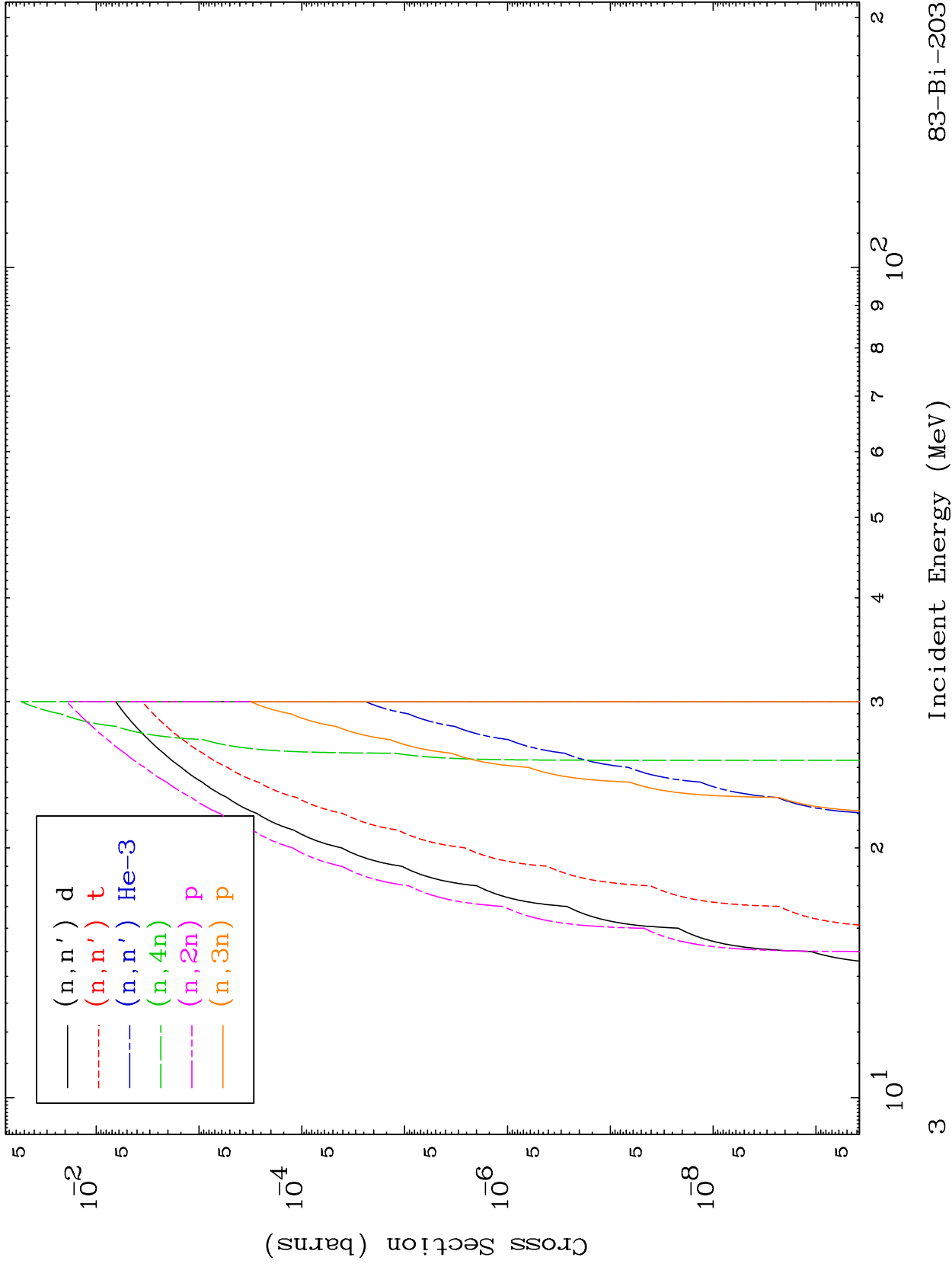


MAT 8307

Neutron Production
293 Kelvin Cross Sections

83-Bi-203

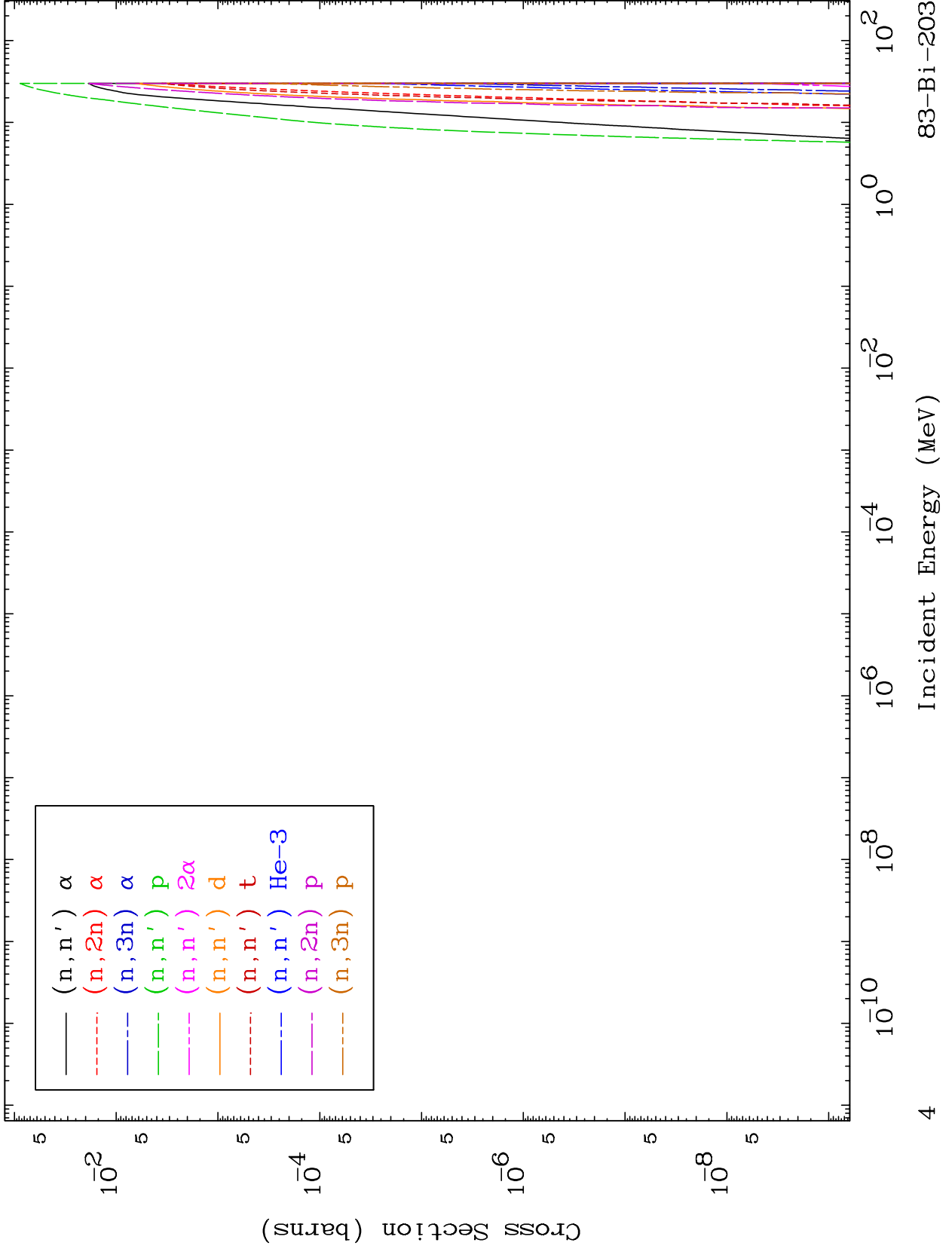




MAT 8307

Charged Particle
293 Kelvin Cross Sections

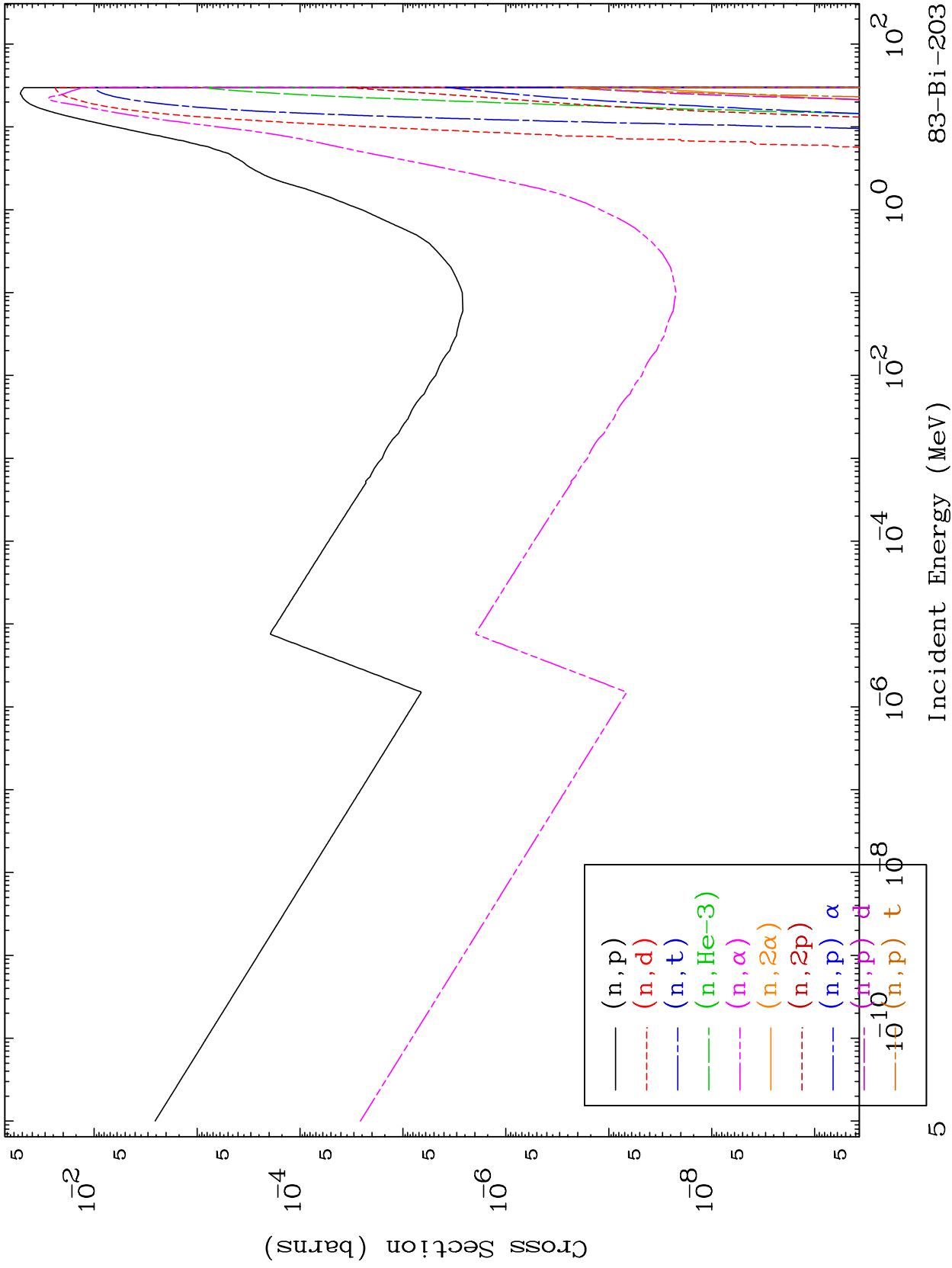
83-Bi-203



MAT 8307

Charged Particle
293 Kelvin Cross Sections

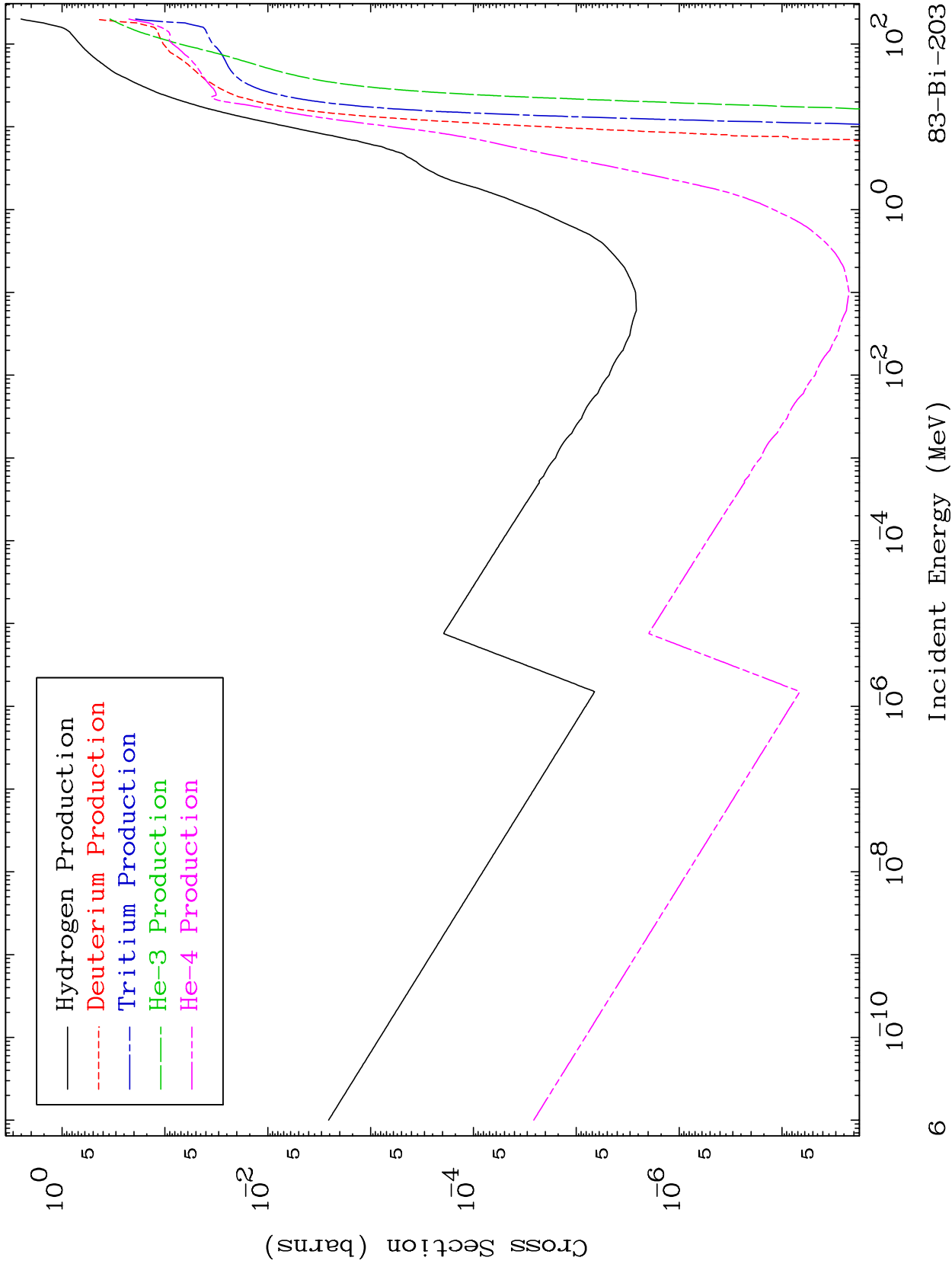
83-Bi-203



MAT 8307

Particle Production
293 Kelvin Cross Sections

83-Bi-203

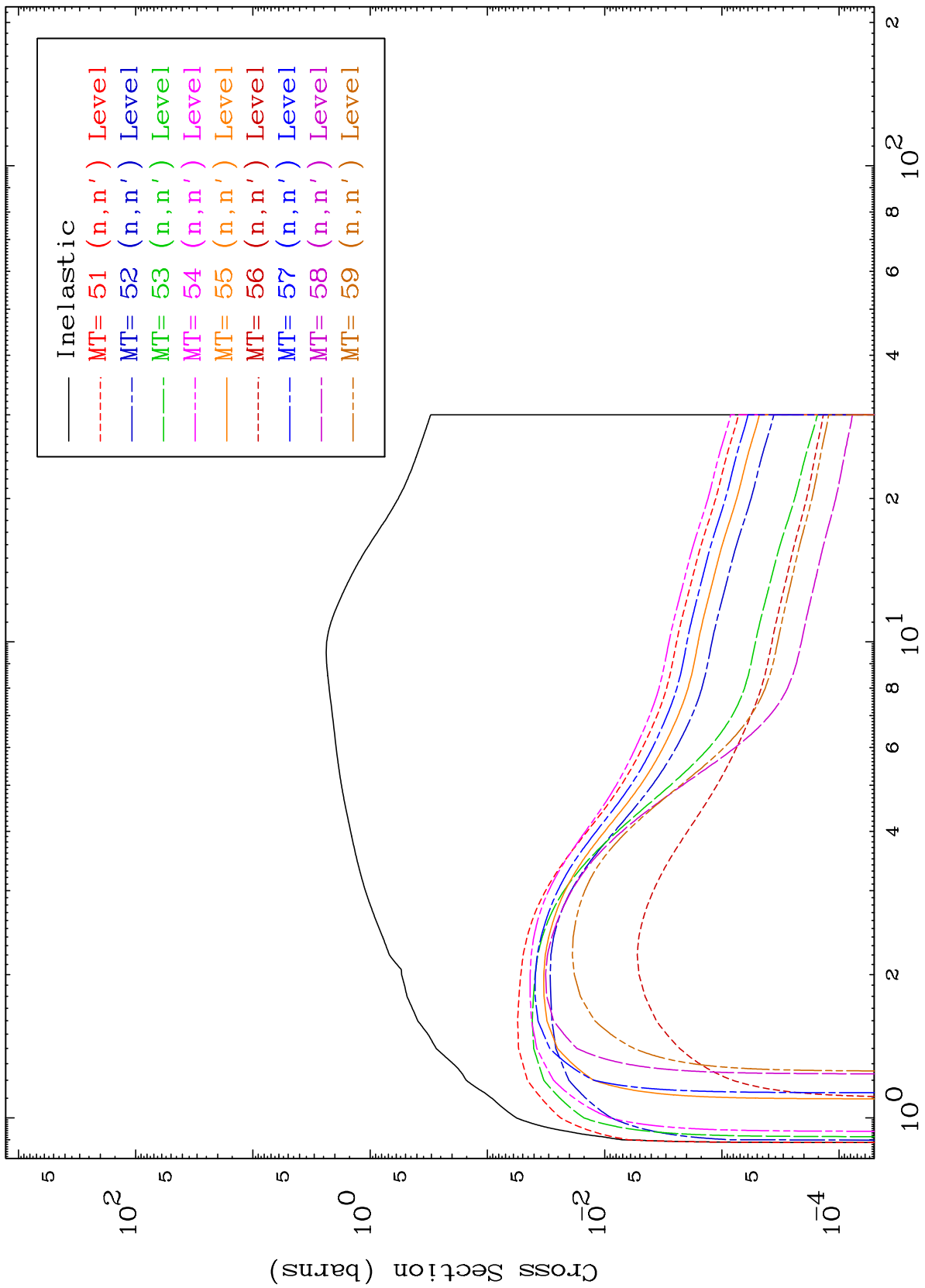


MAT 8307

(n,n') Level

83-Bi-203

293 Kelvin Cross Sections



7

Incident Energy (MeV)

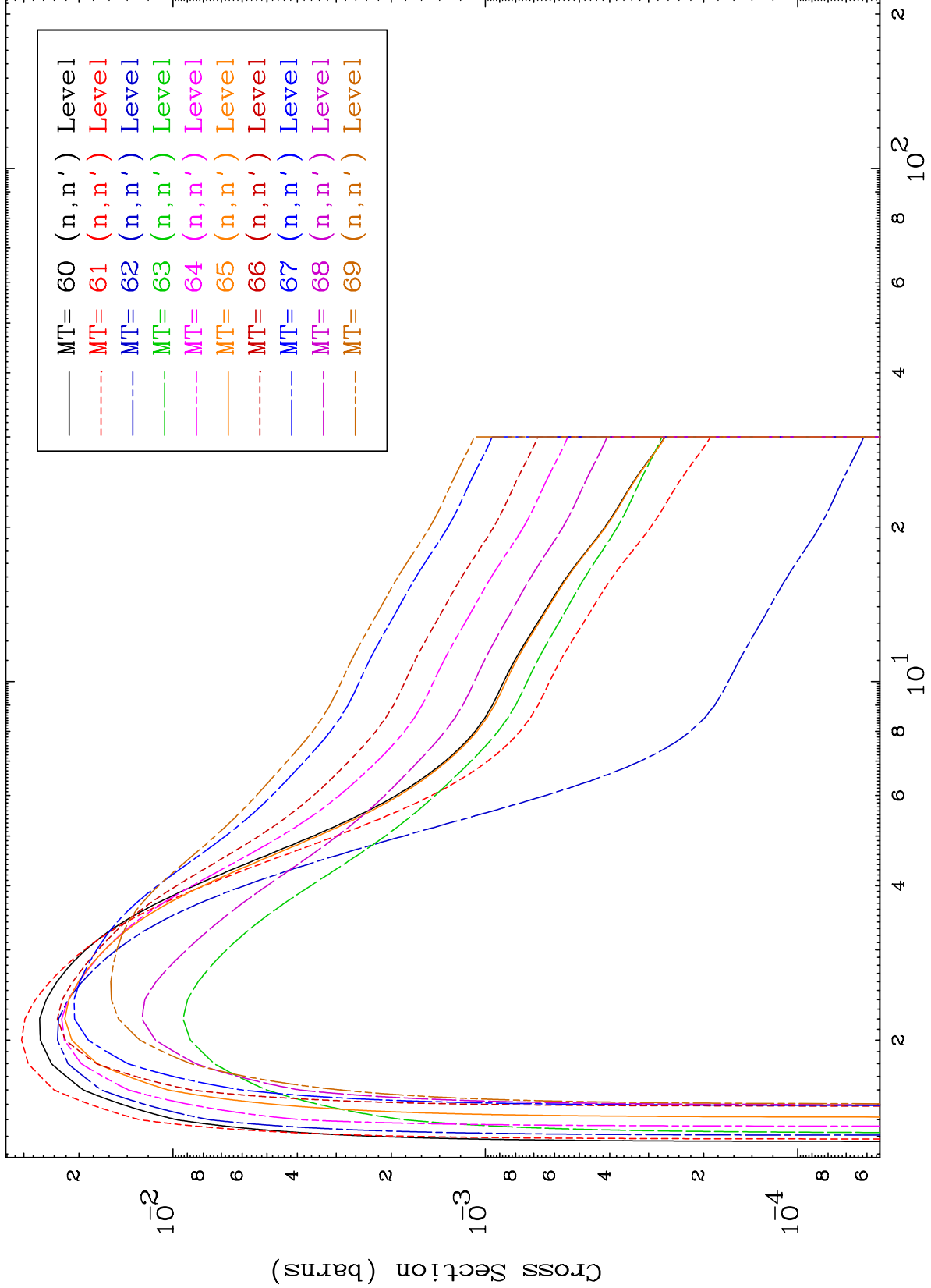
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MAT 8307

(n,n') Level

83-Bi-203

293 Kelvin Cross Sections

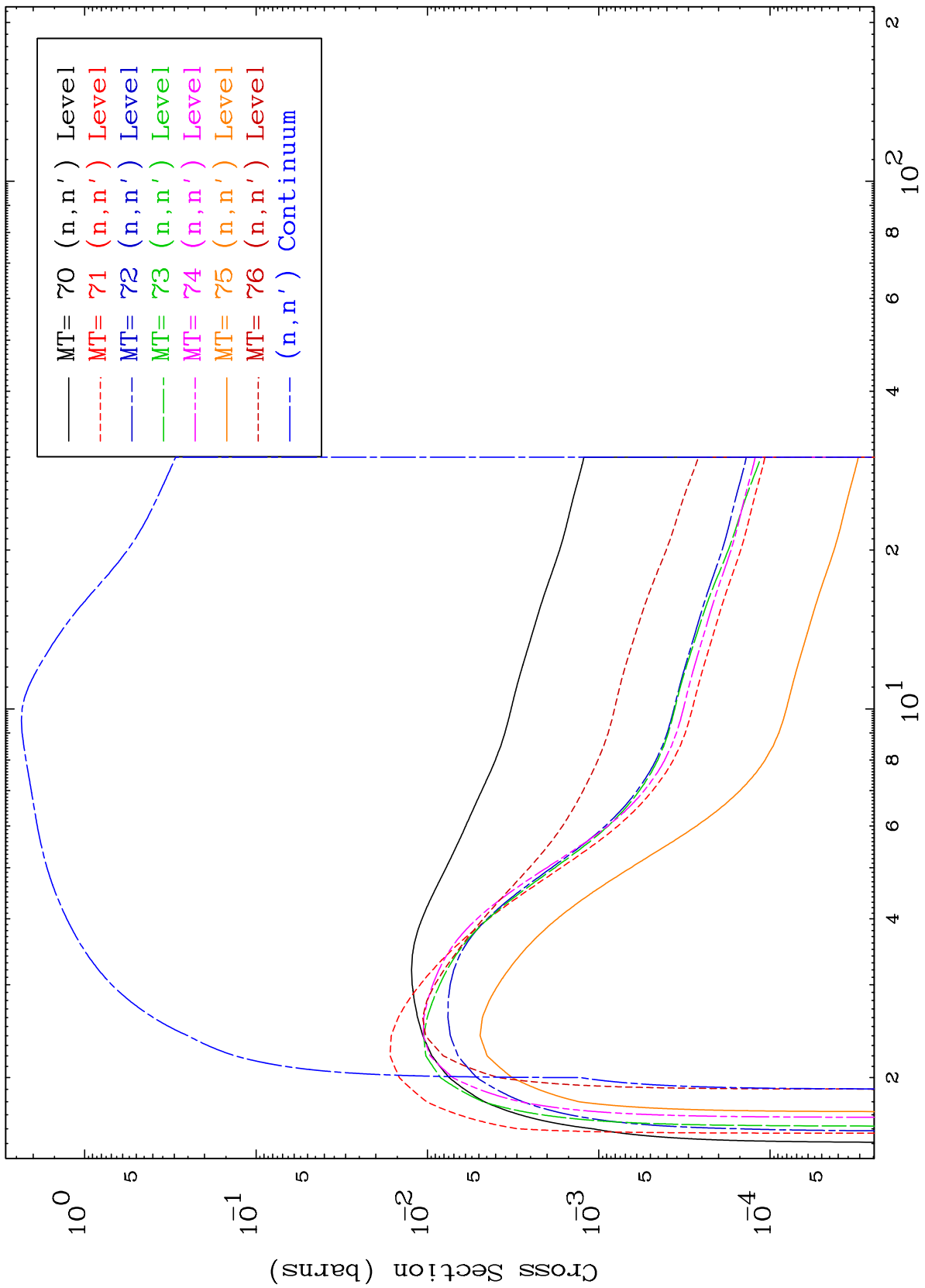


8

Incident Energy (MeV)

83-Bi-203

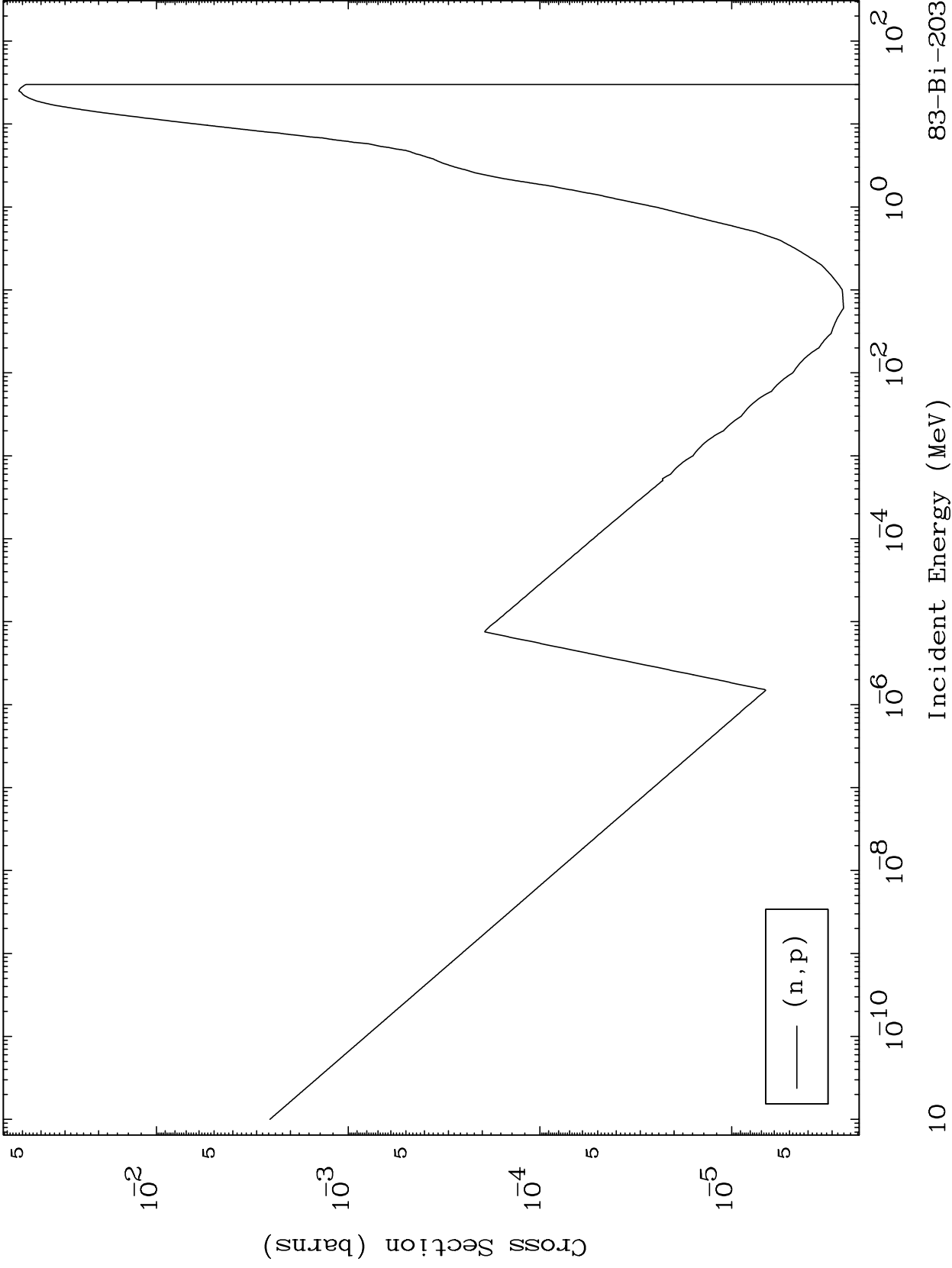
293 Kelvin Cross Sections



MAT 8307

(n,p) Levels
293 Kelvin Cross Sections

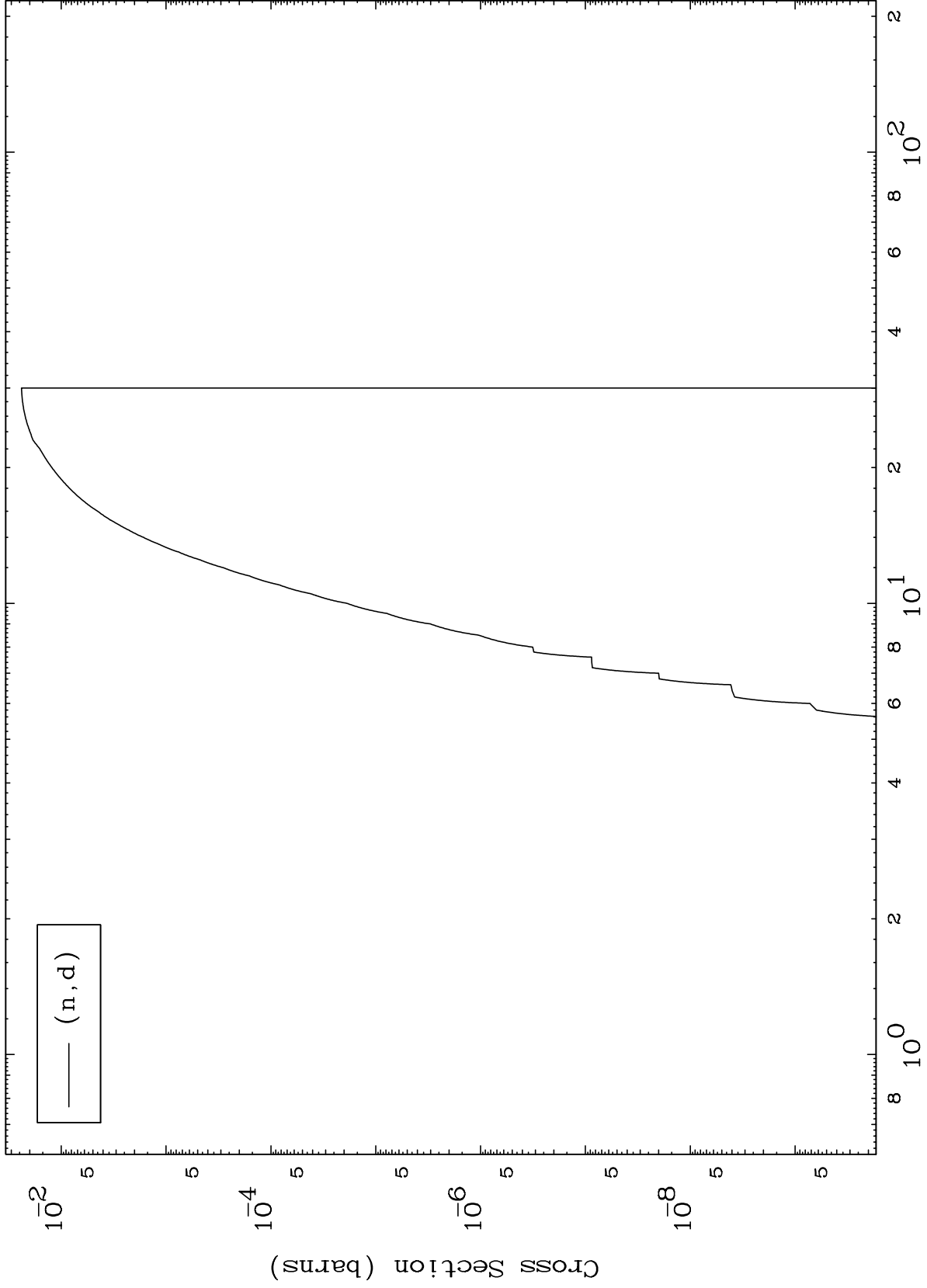
83-Bi-203



MAT 8307

(n,d) Levels
293 Kelvin Cross Sections

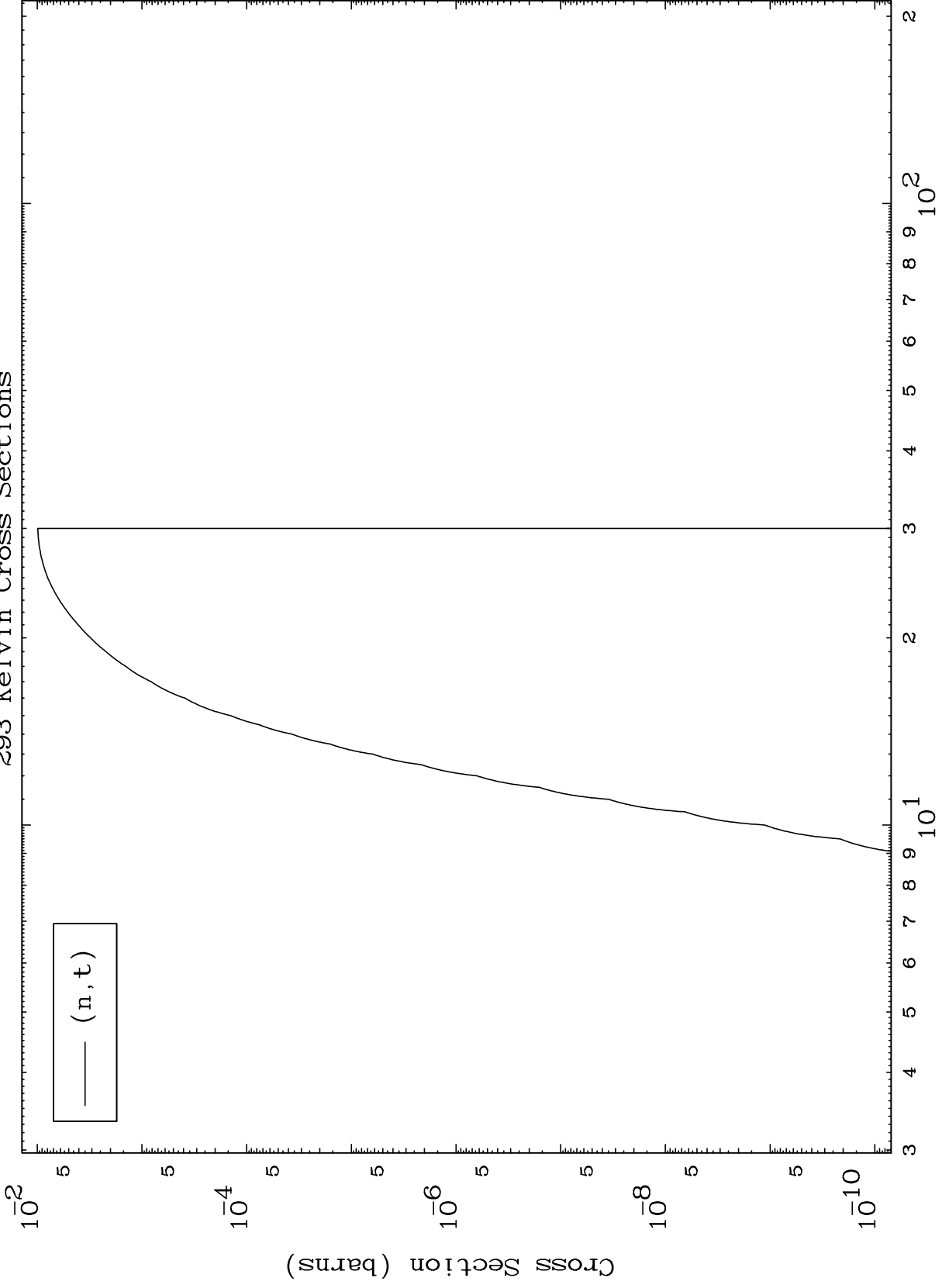
83-Bi-203



MAT 8307

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-203



12

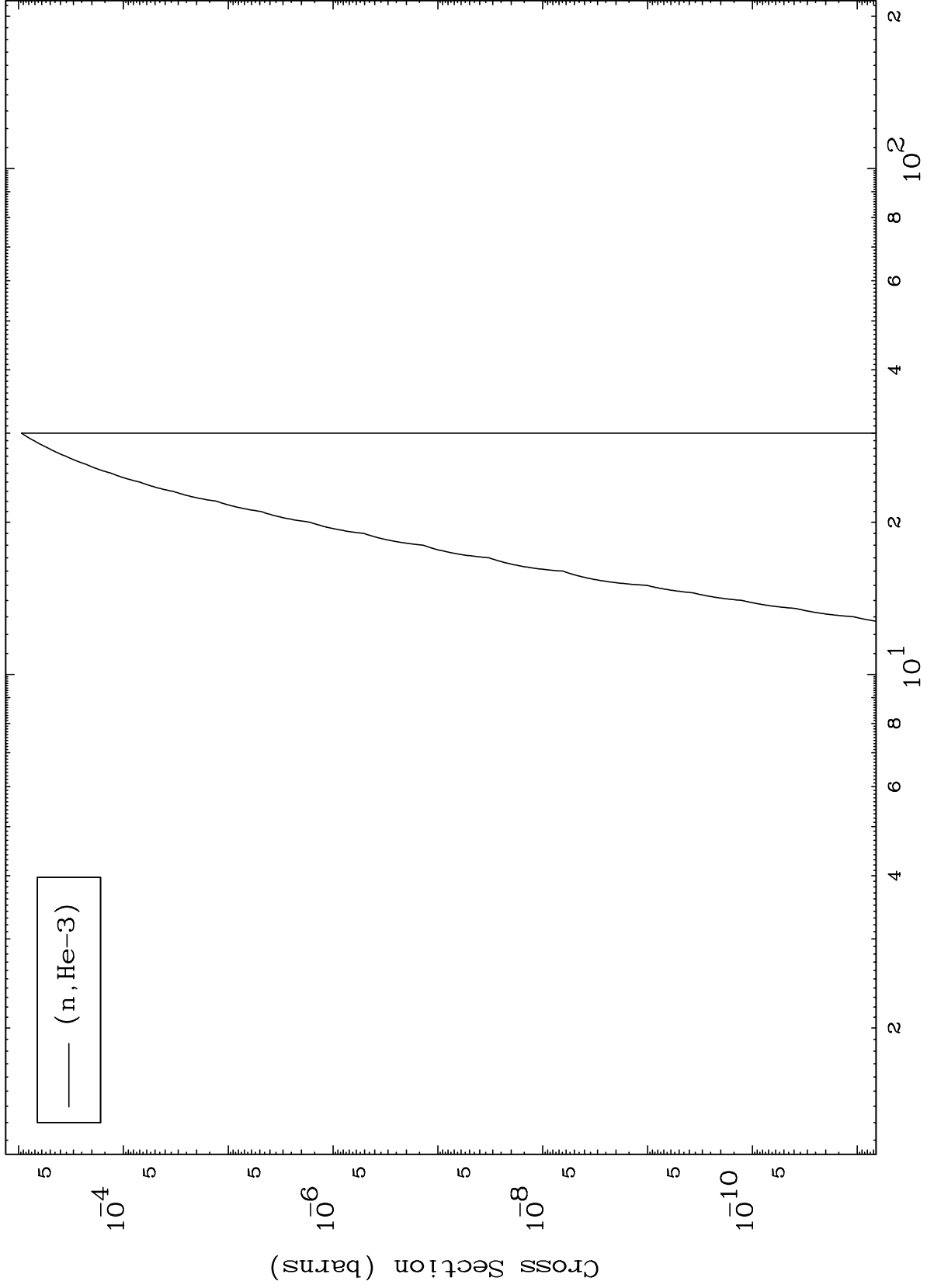
Incident Energy (MeV)

83-Bi-203

MAT 8307

(n,He3) Levels
293 Kelvin Cross Sections

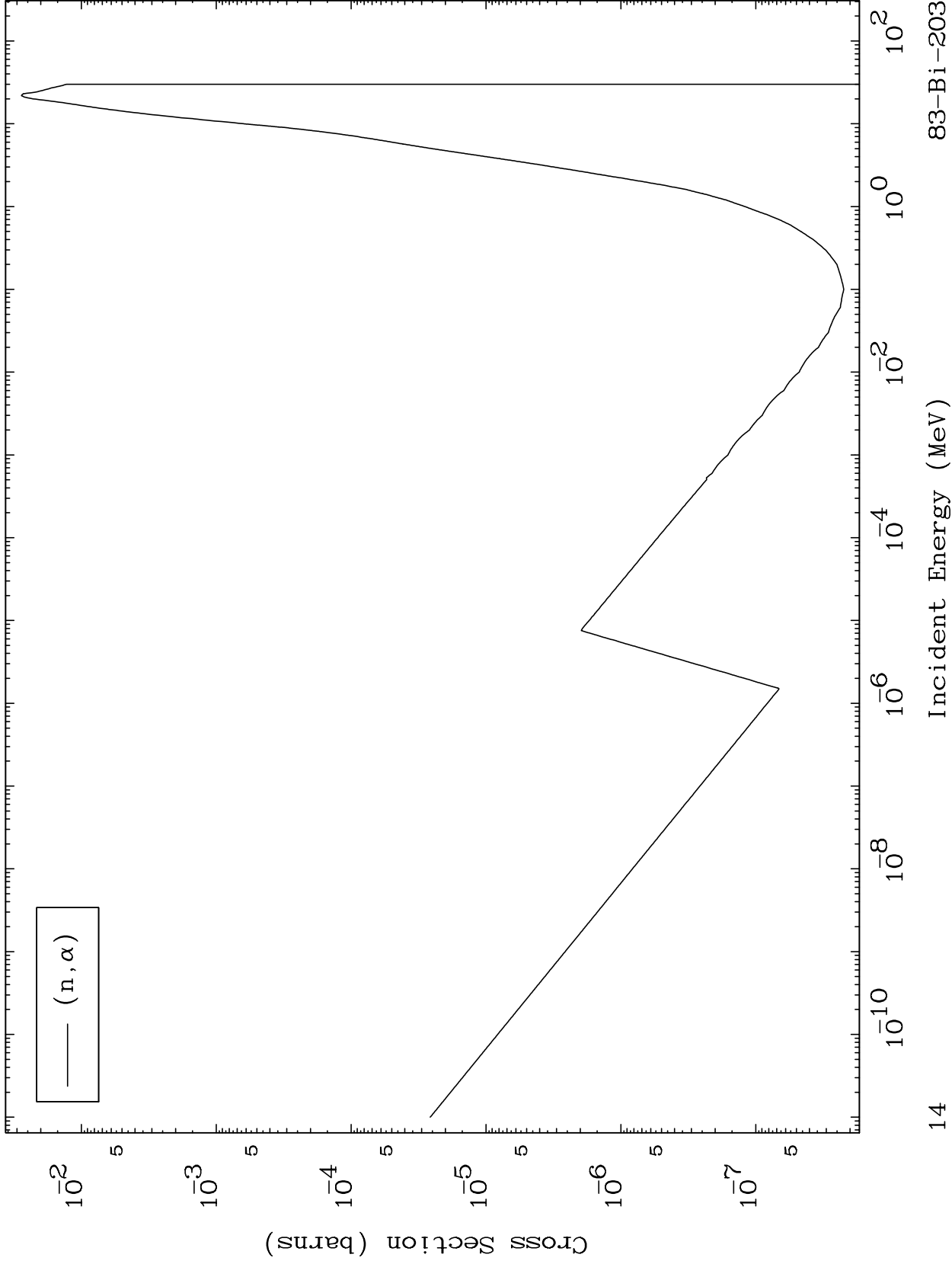
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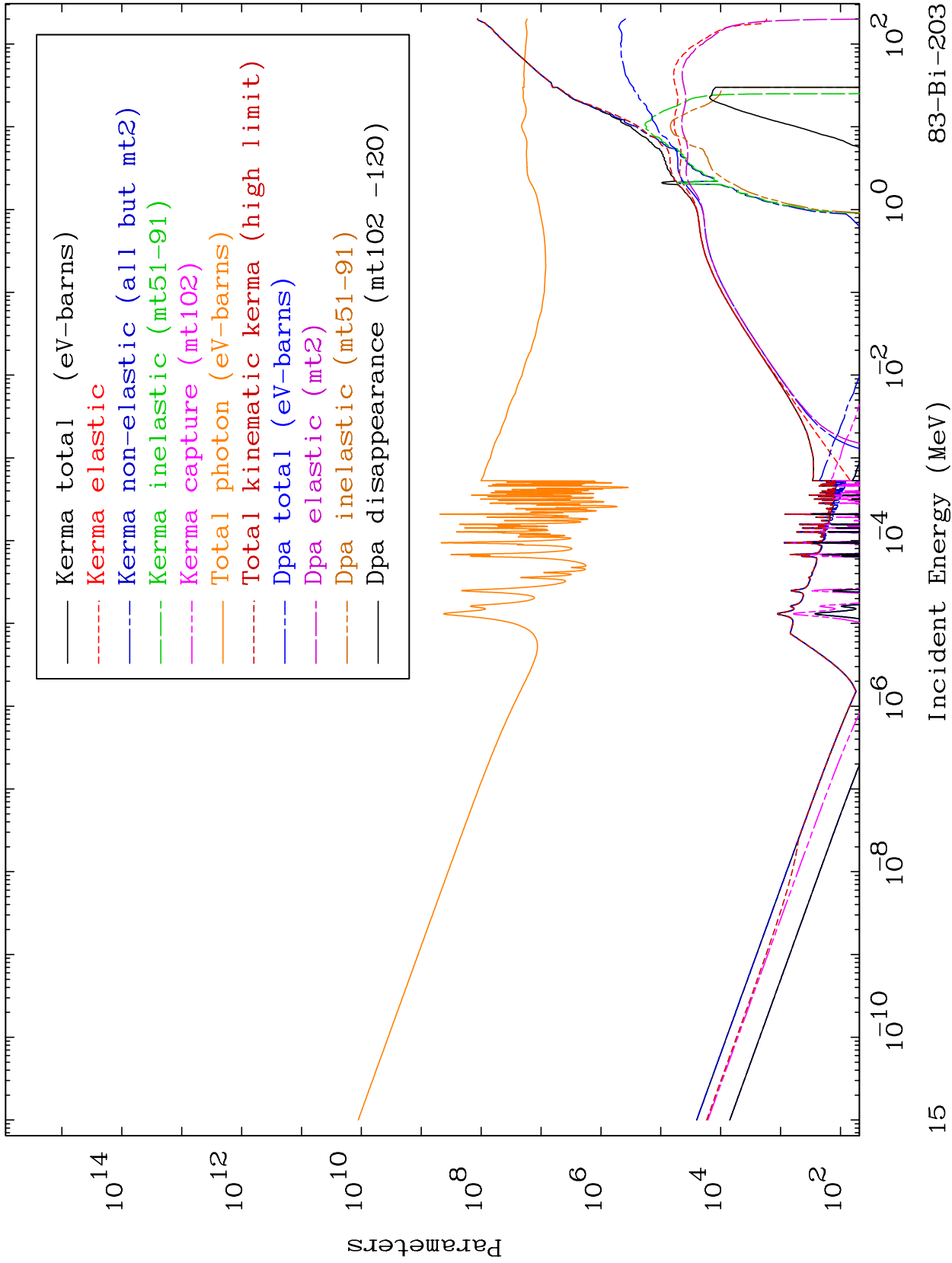


MAT 8307

(n, α) Levels
293 Kelvin Cross Sections

83-Bi-203

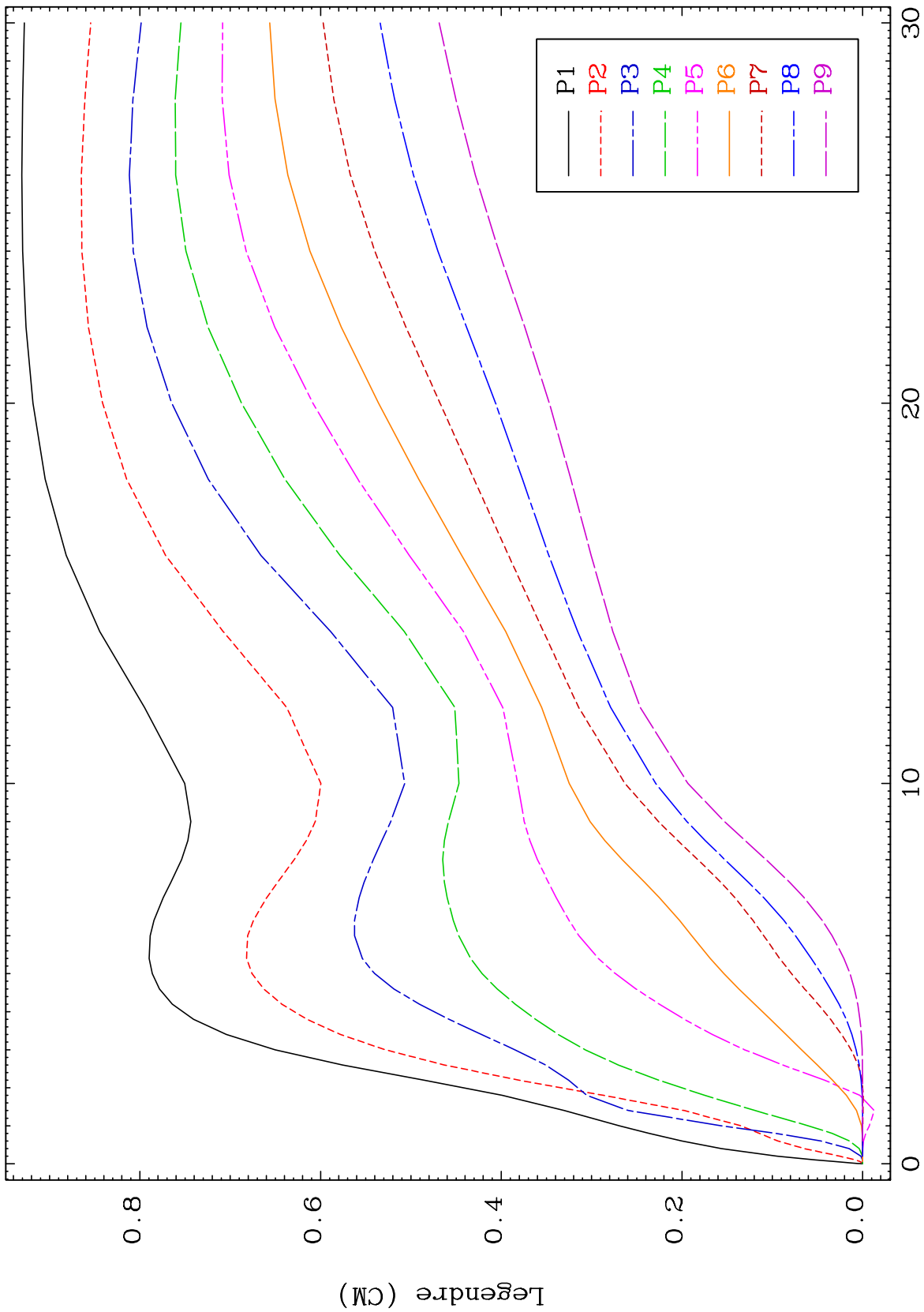




MAT 8307

83-Bi-203

Elastic Legendre Coefficients



83-Bi-203

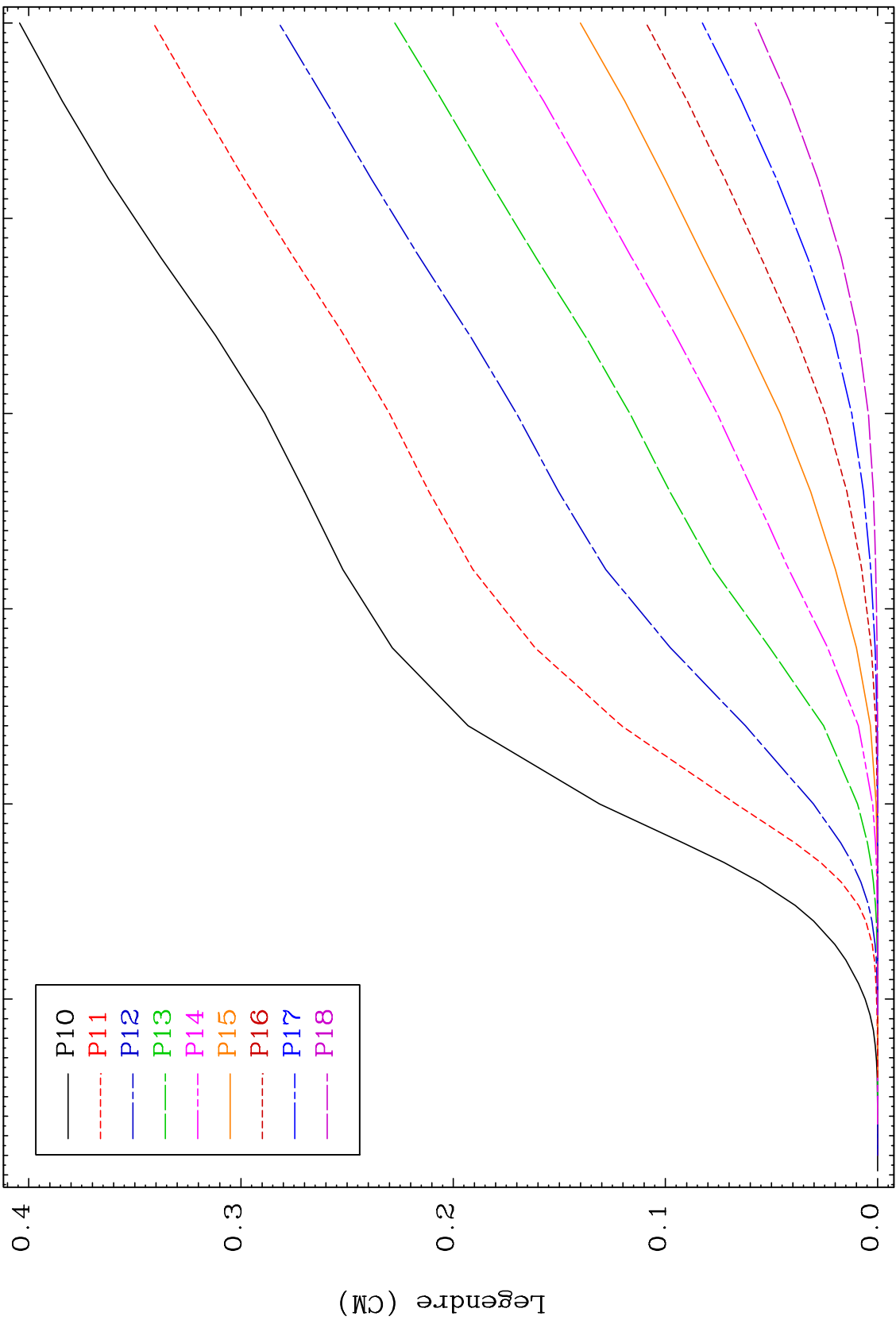
Incident Energy (MeV)

16

MAT 8307

Elastic Legendre Coefficients

83-Bi-203



17

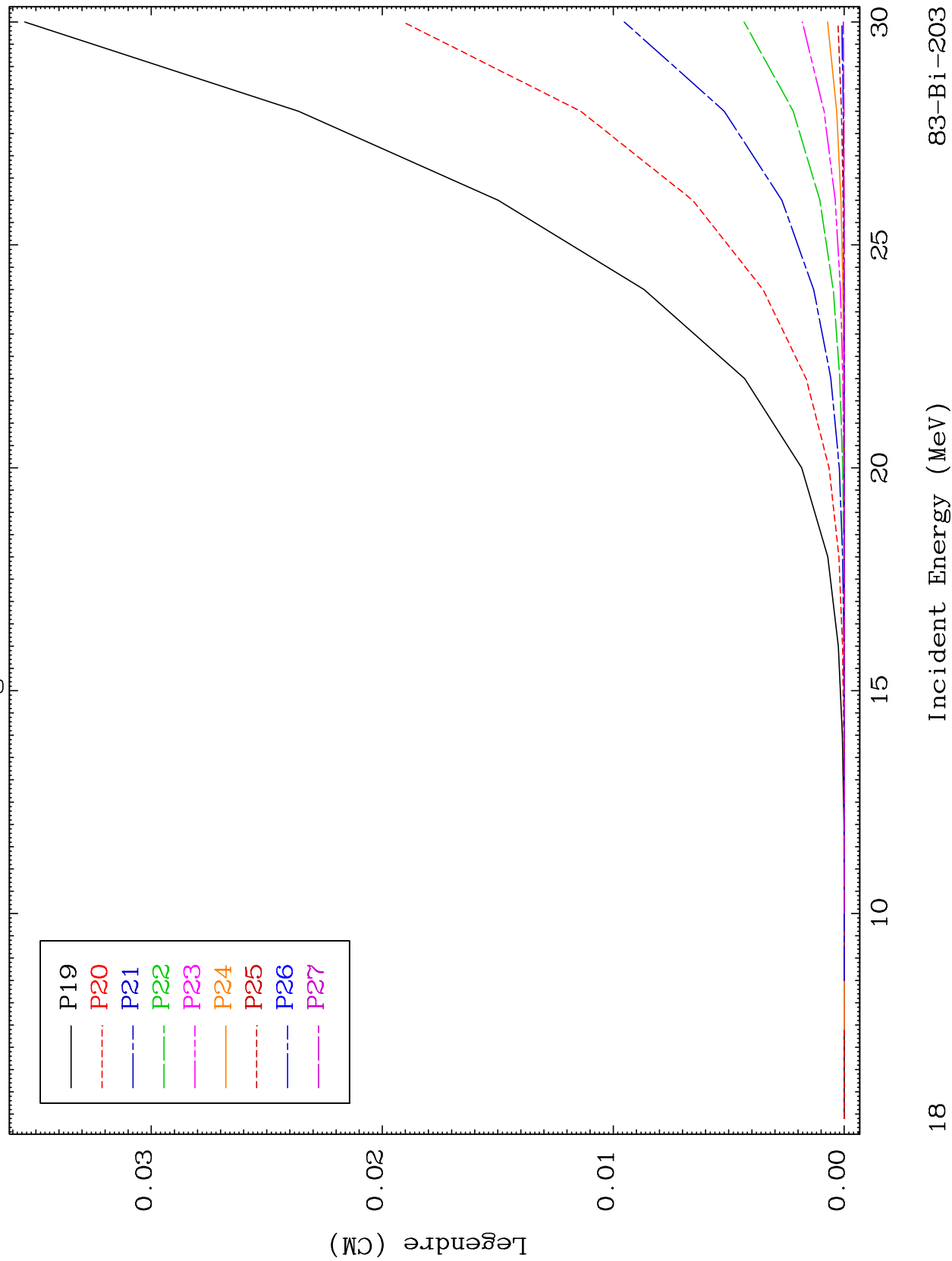
83-Bi-203

Incident Energy (MeV)

MAT 8307

Elastic Legendre Coefficients

83-Bi-203



18

Incident Energy (MeV)

83-Bi-203

30

25

20

15

10

Legendre (CM)

0.03

0.02

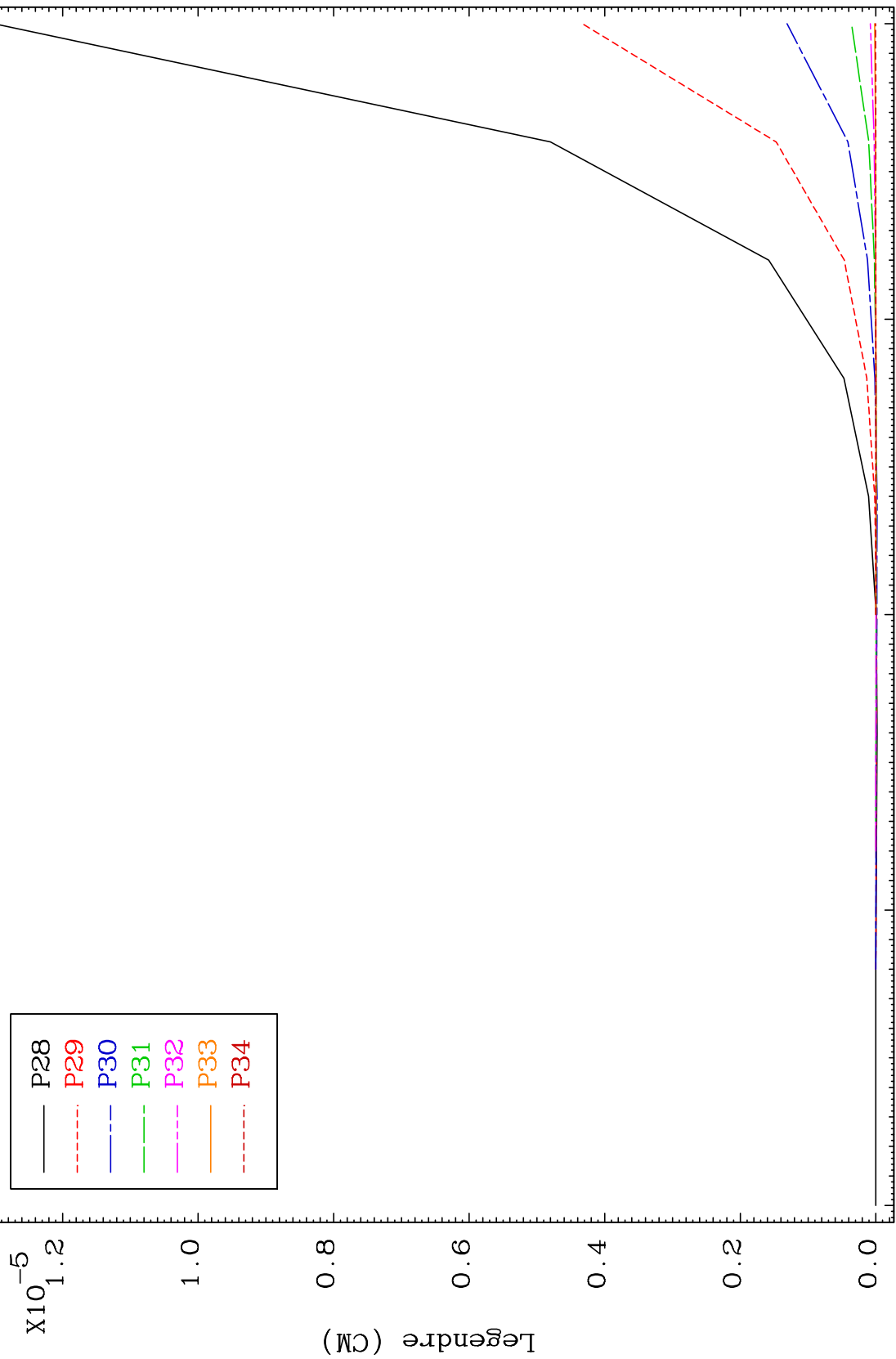
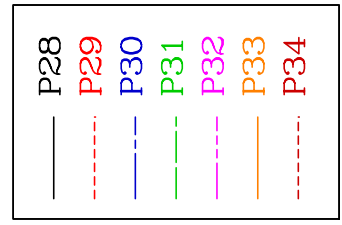
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0.00

MAT 8307

Elastic Legendre Coefficients

83-Bi-203



19

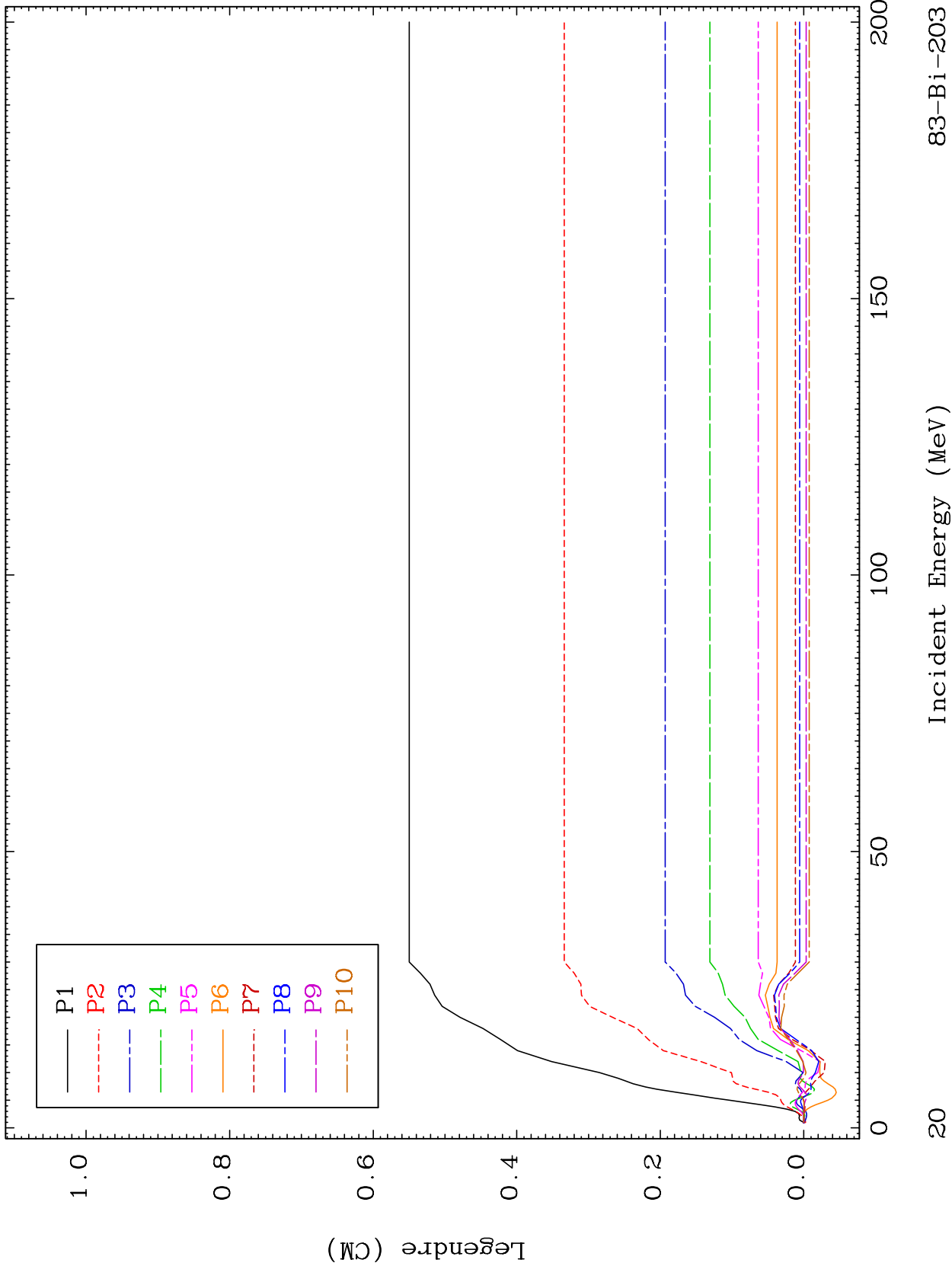
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

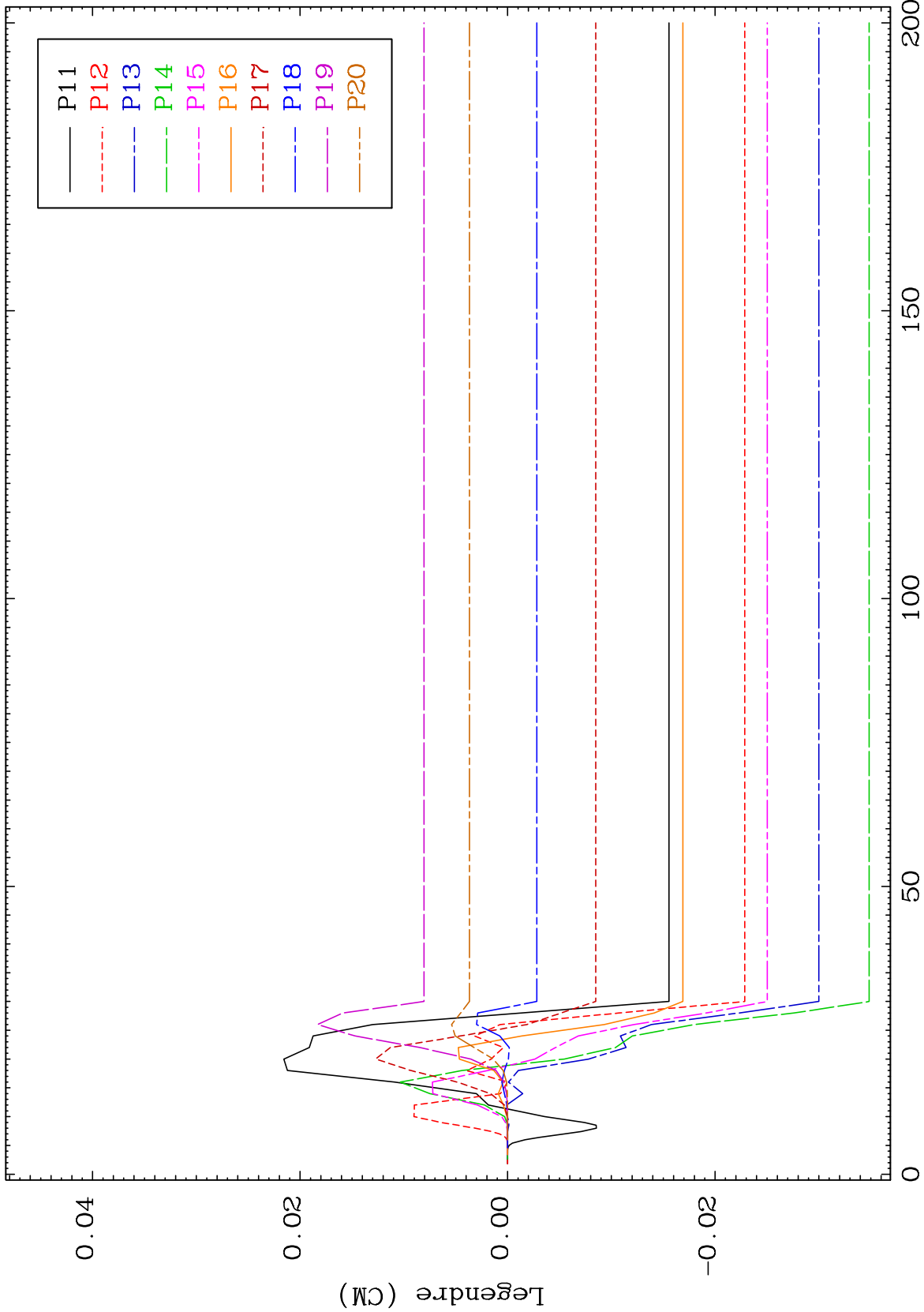
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MAT 8307

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

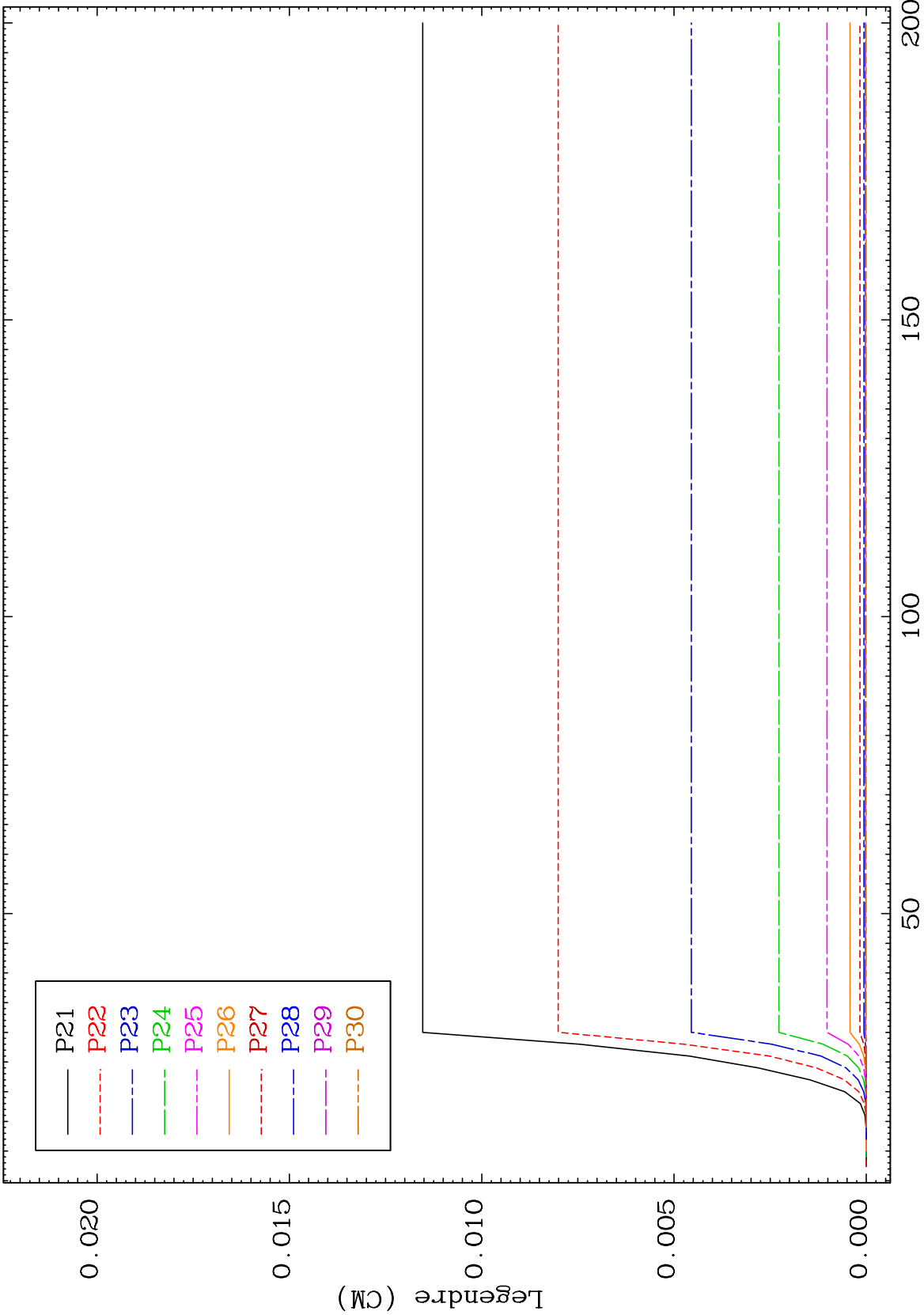
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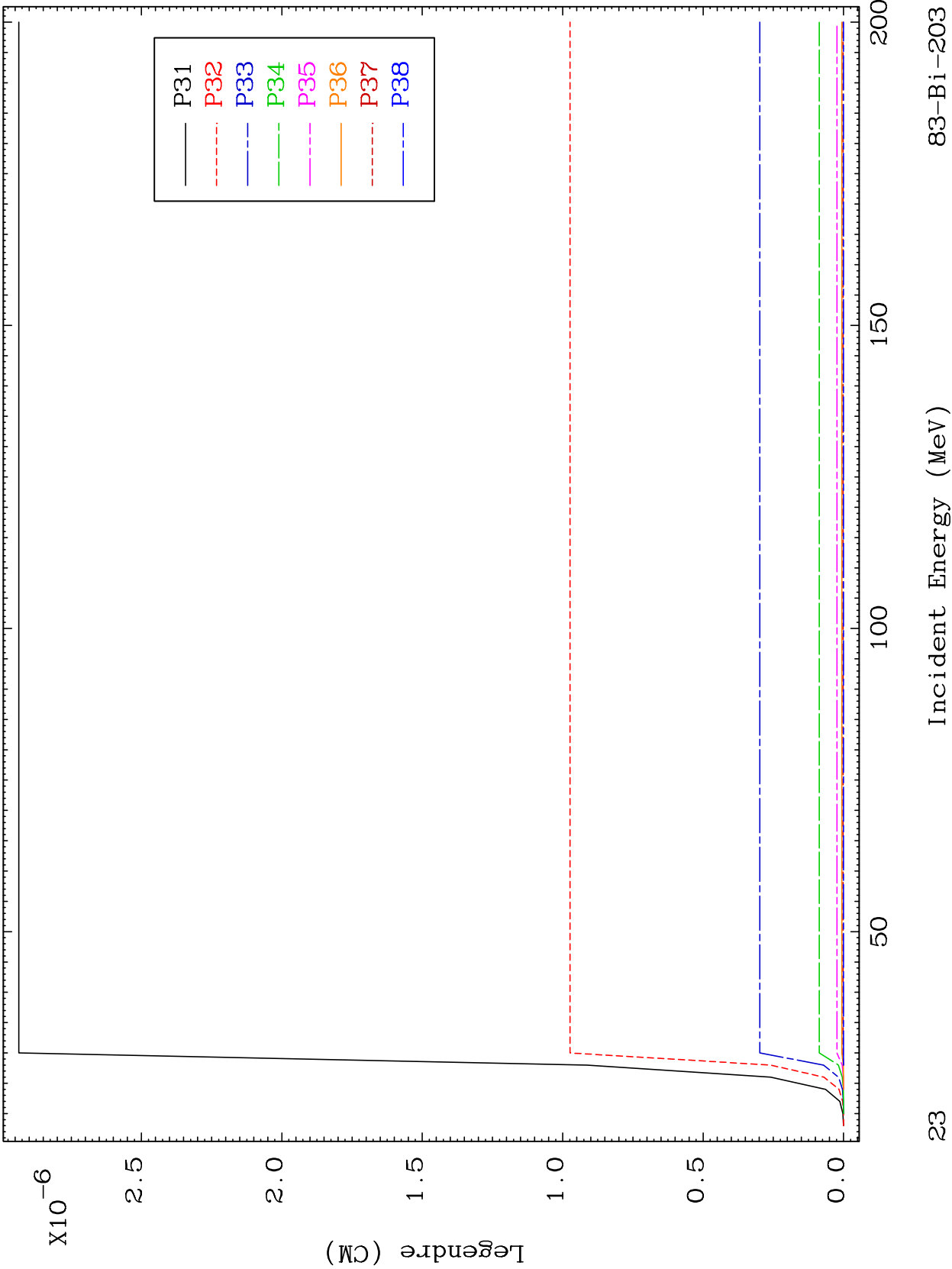


MAT 8307

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

83-Bi-203

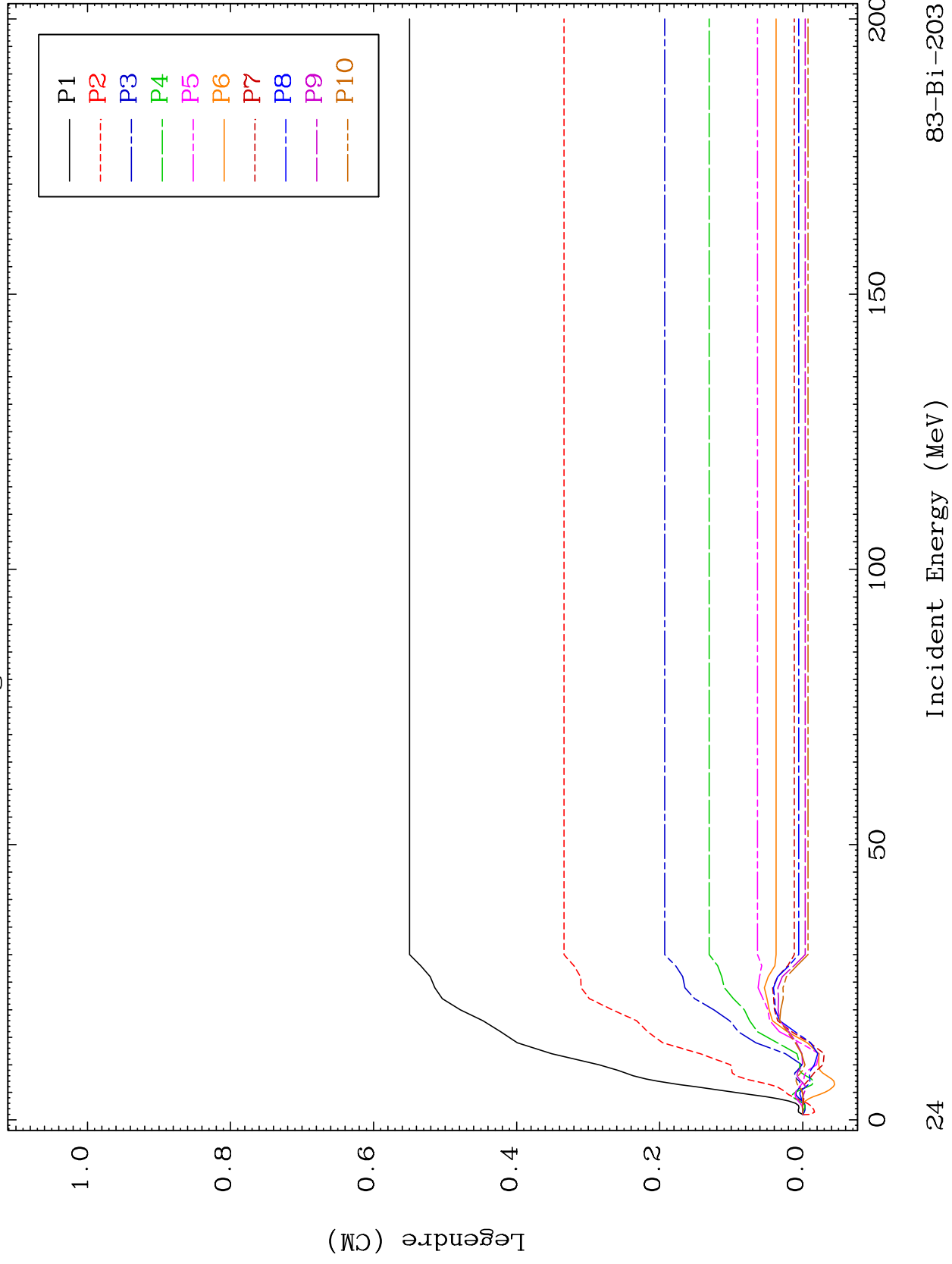




MAT 8307

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

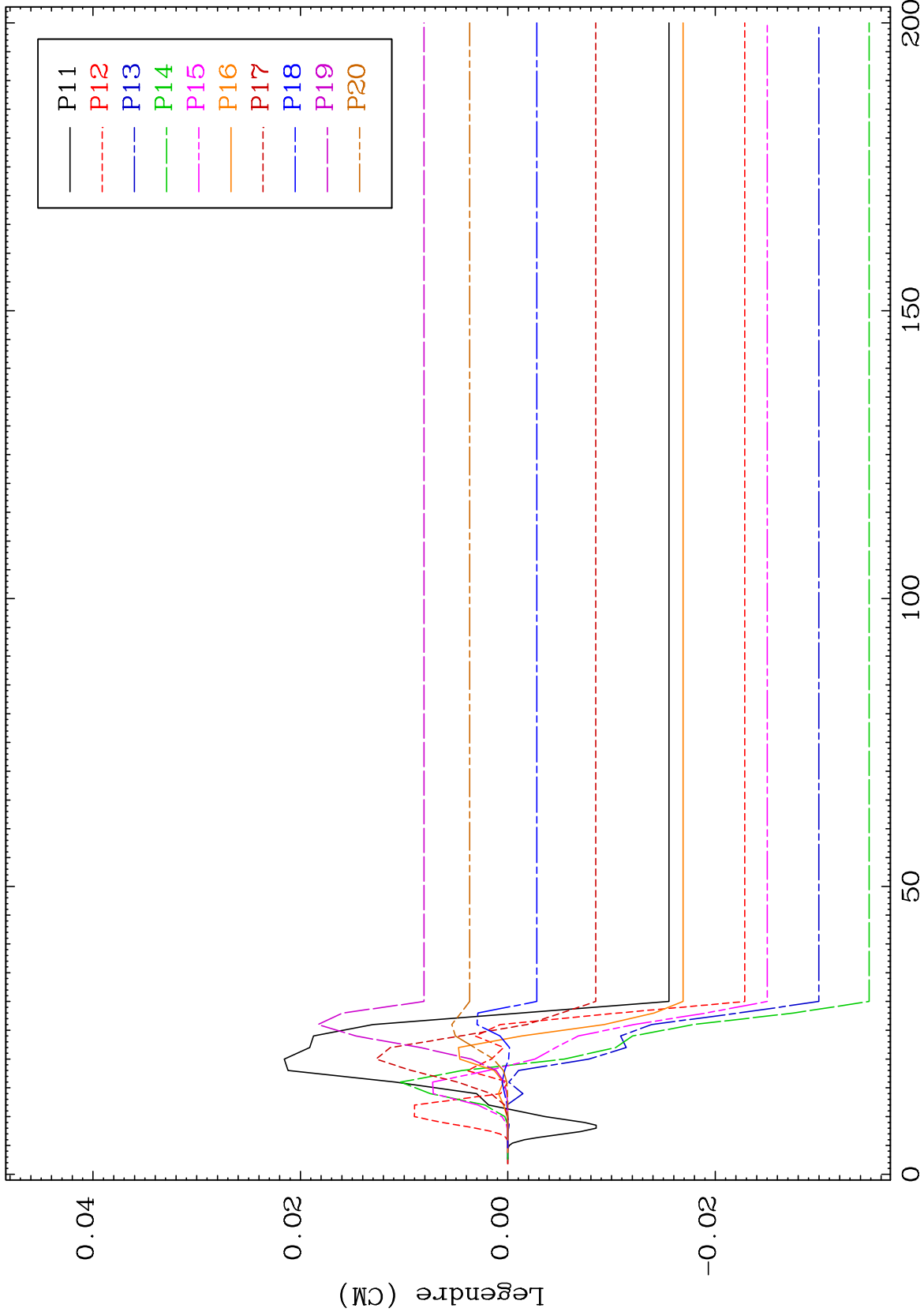
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MAT 8307

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

83-Bi-203



25

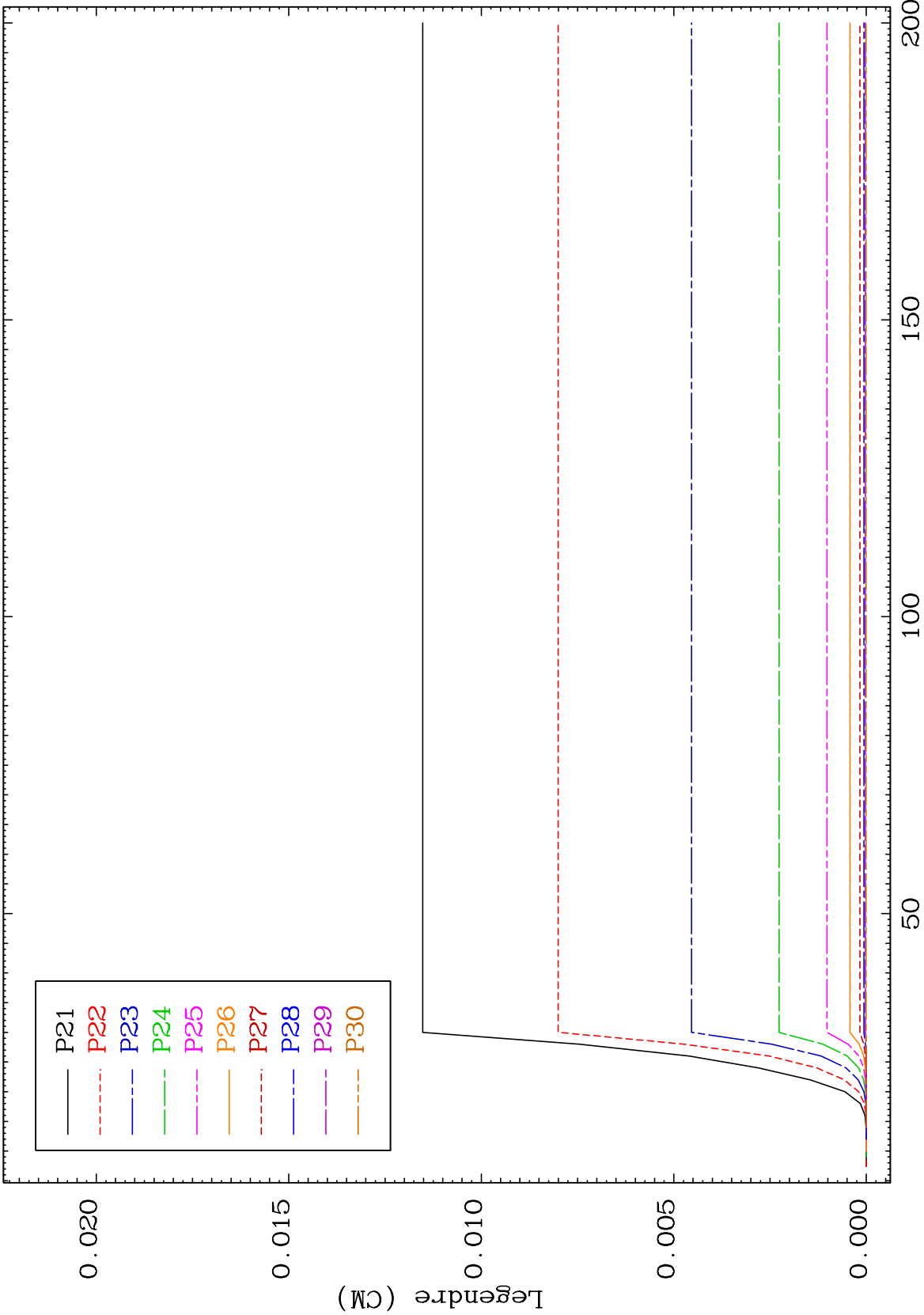
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



26

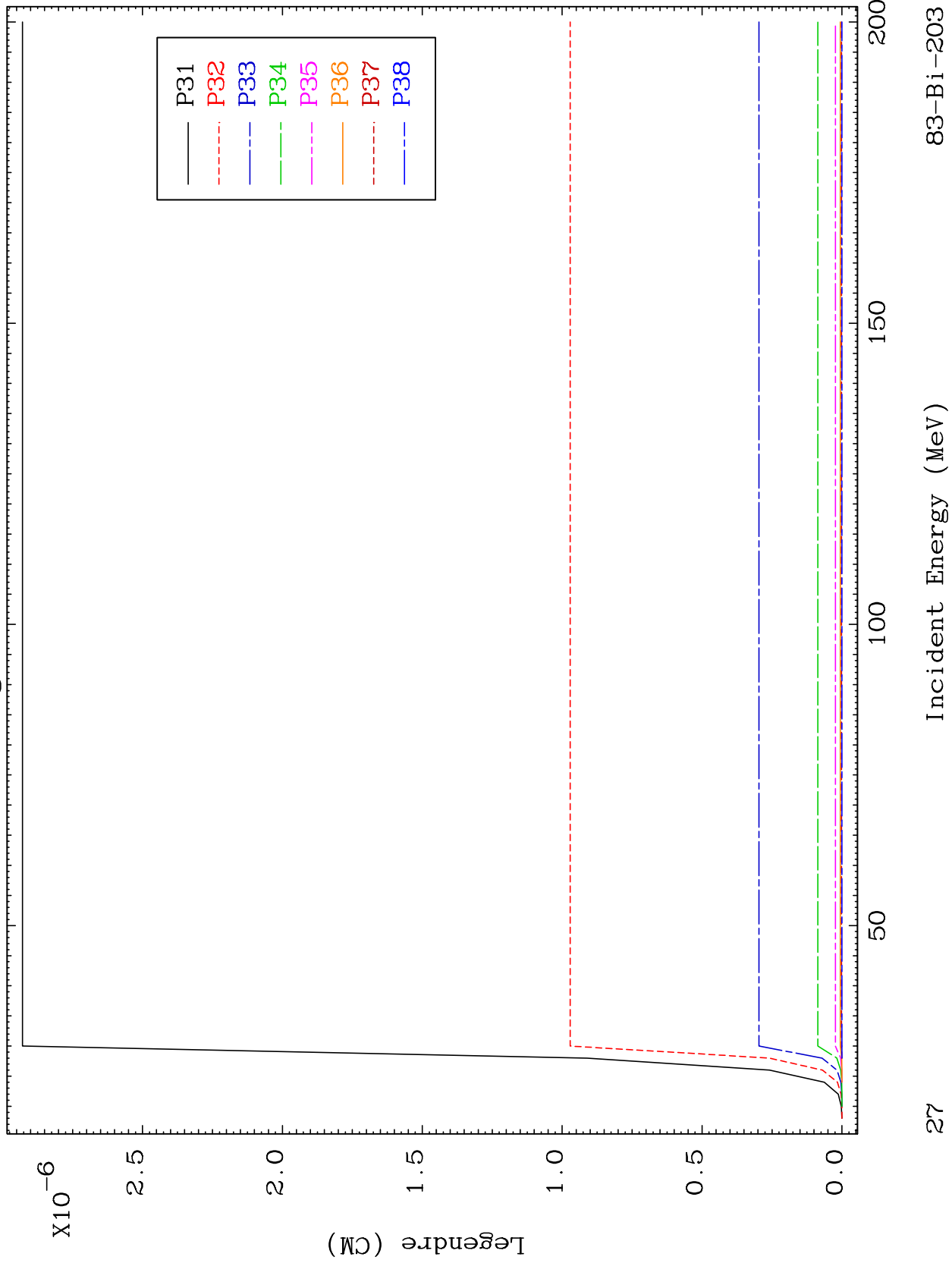
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



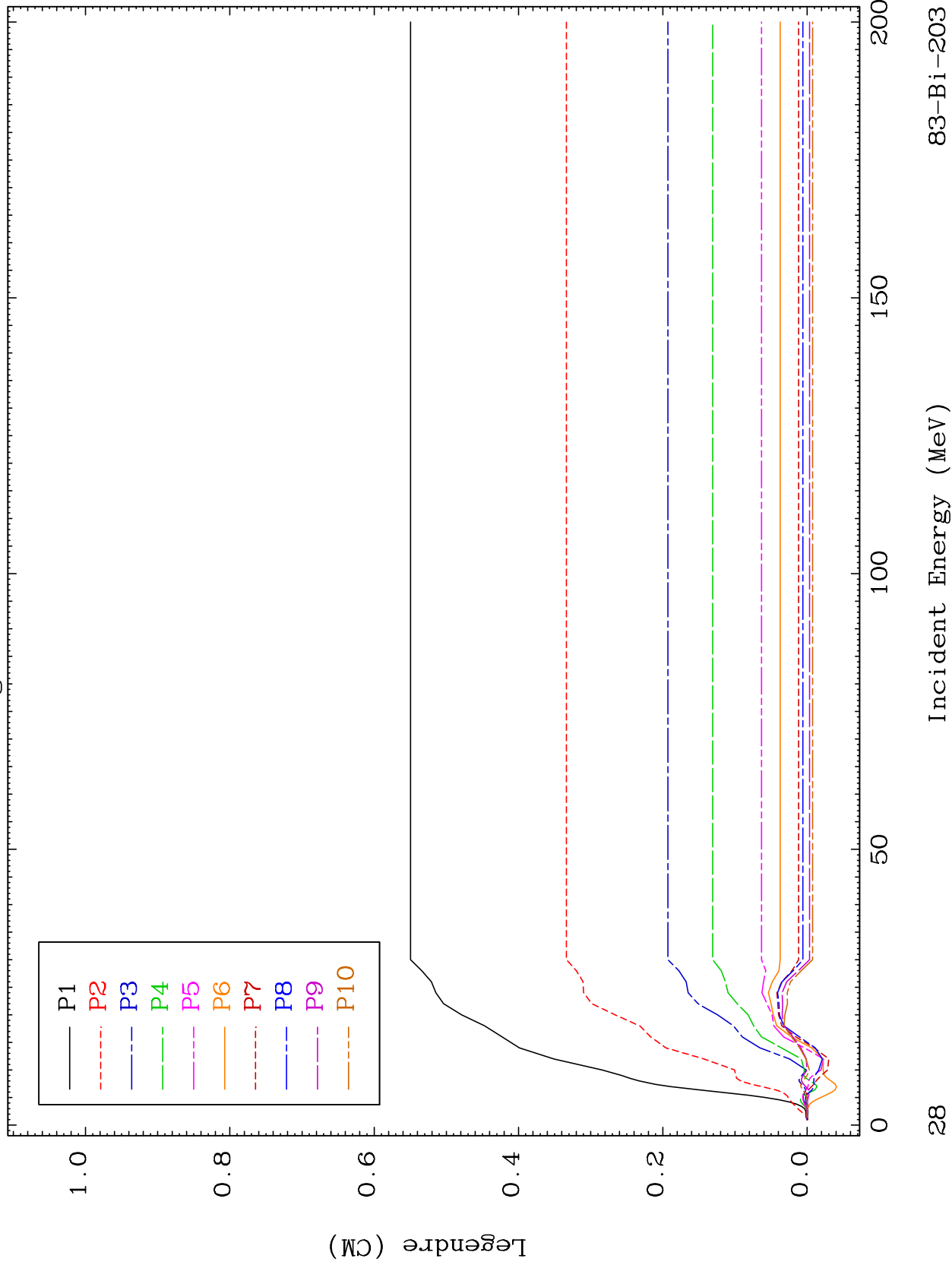
27

83-Bi-203

MAT 8307

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

83-Bi-203

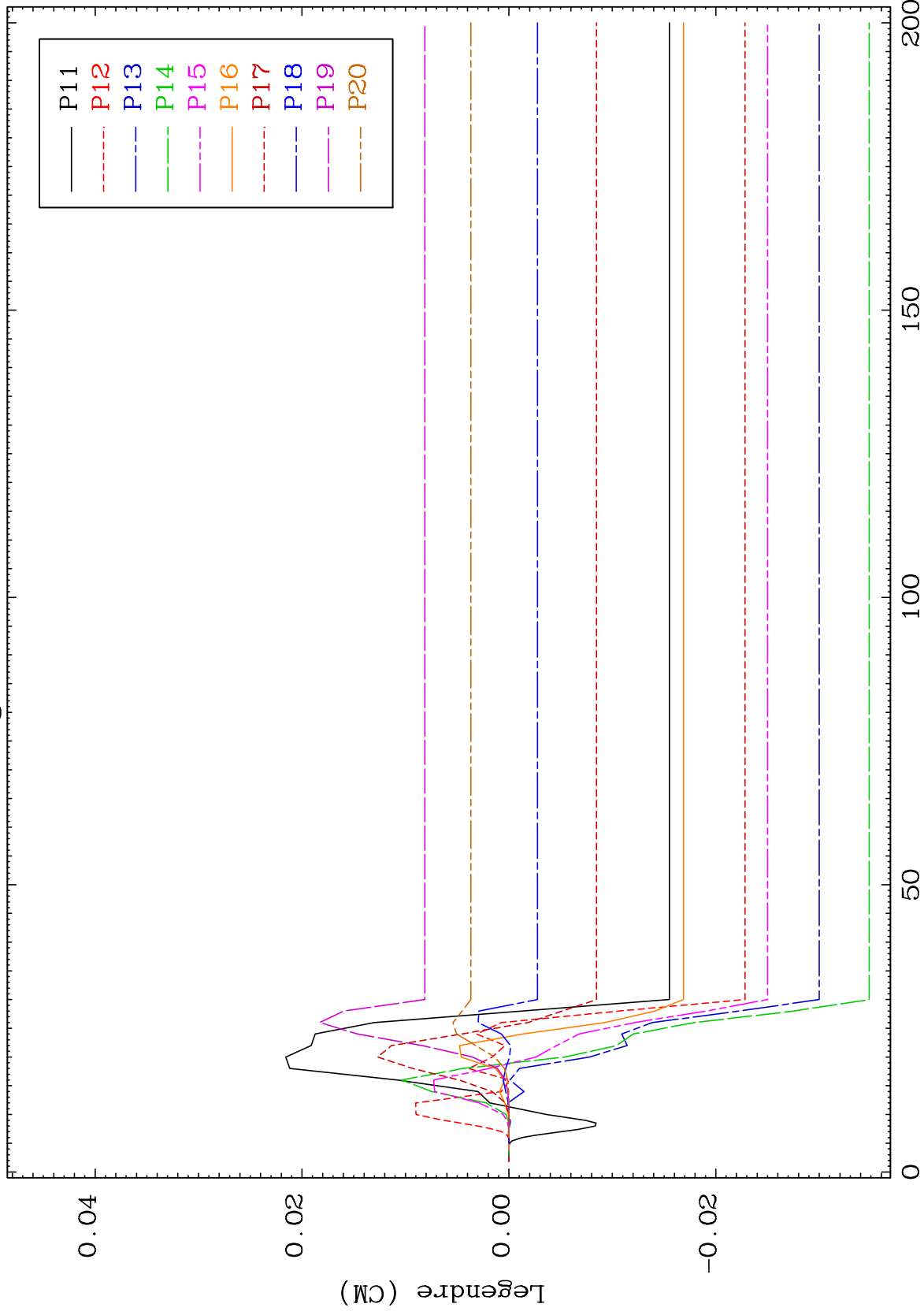


28

MAT 8307

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

83-Bi-203



29

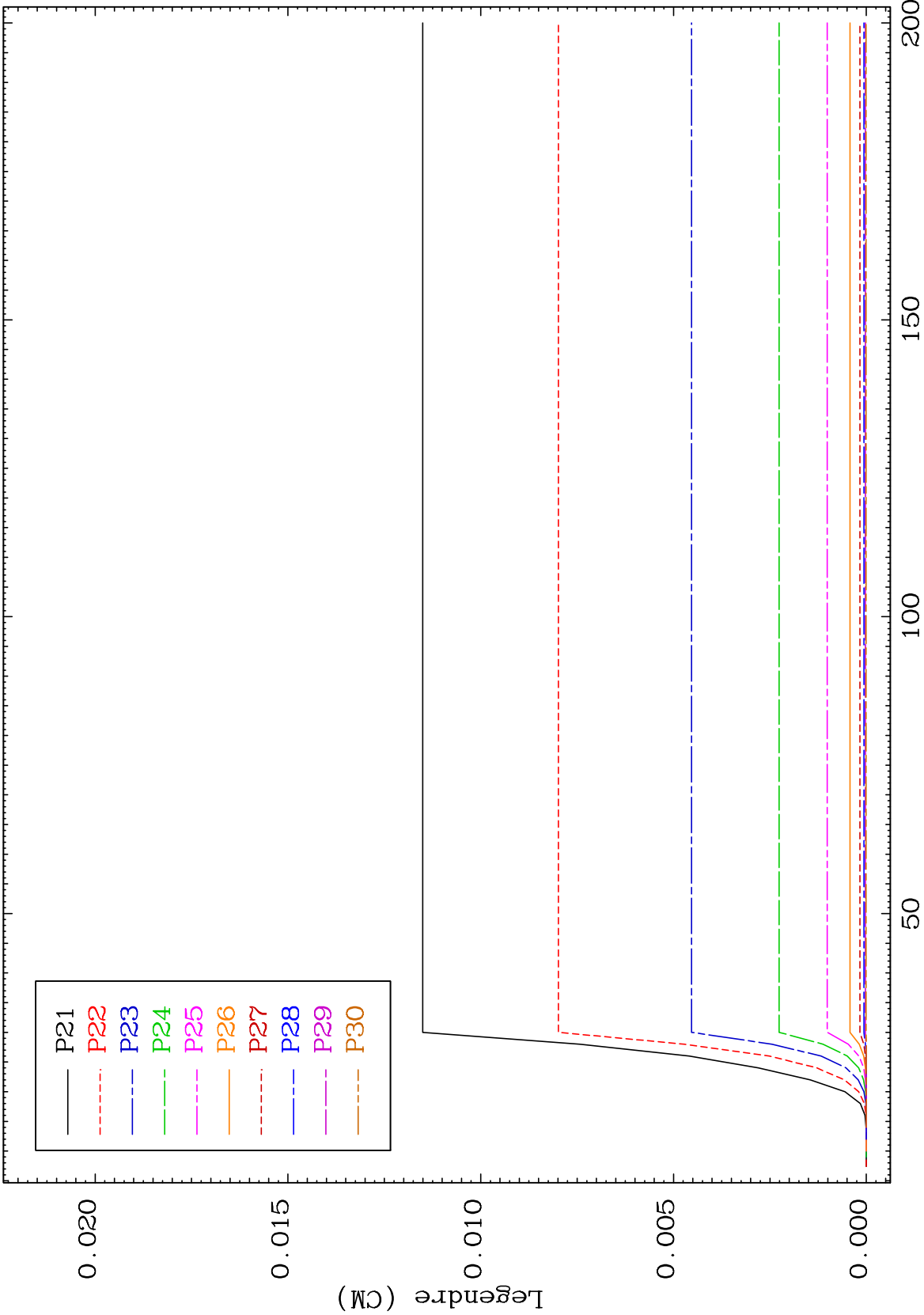
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

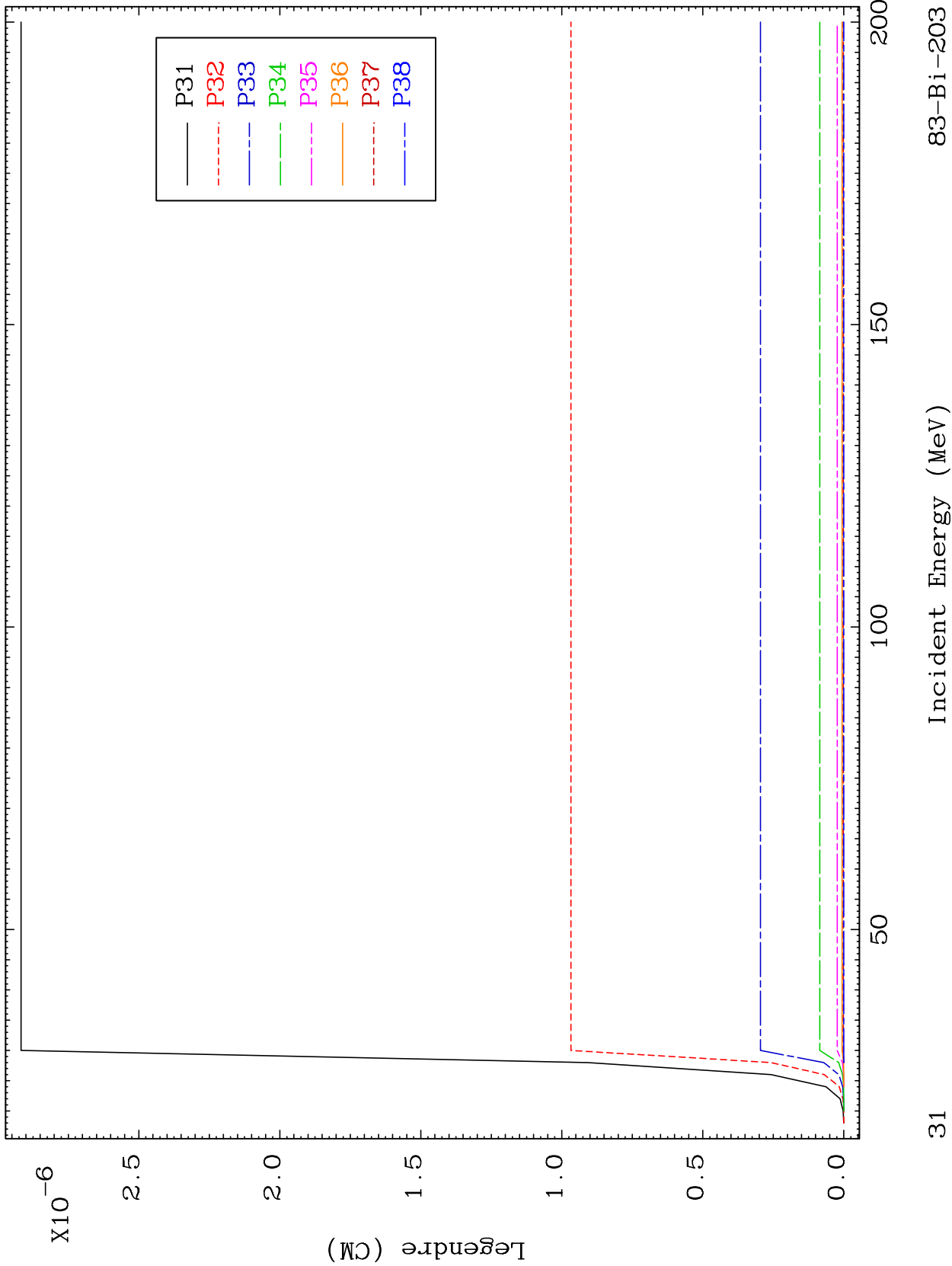
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30

Incident Energy (MeV)

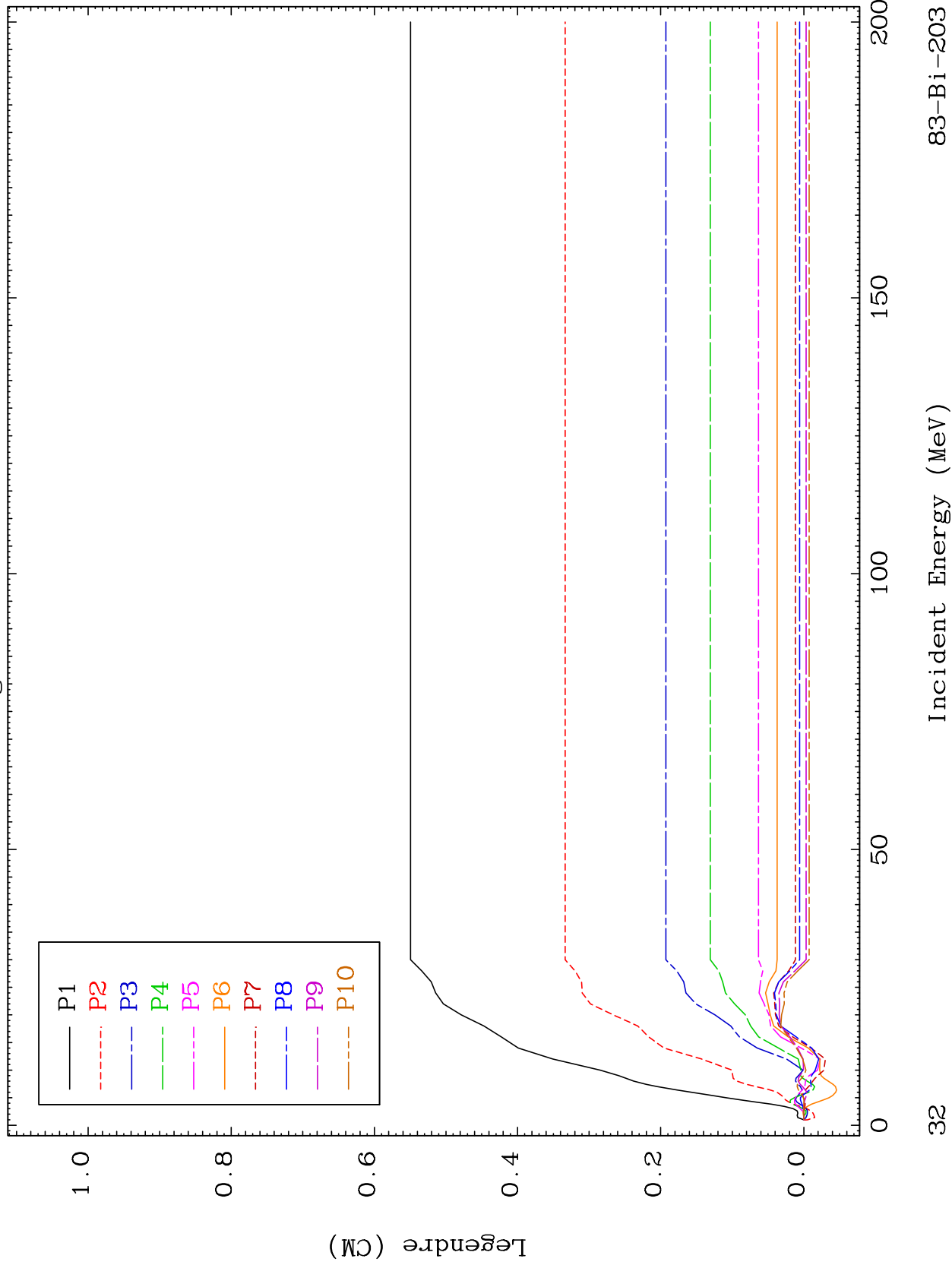
83-Bi-203



MAT 8307

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

83-Bi-203

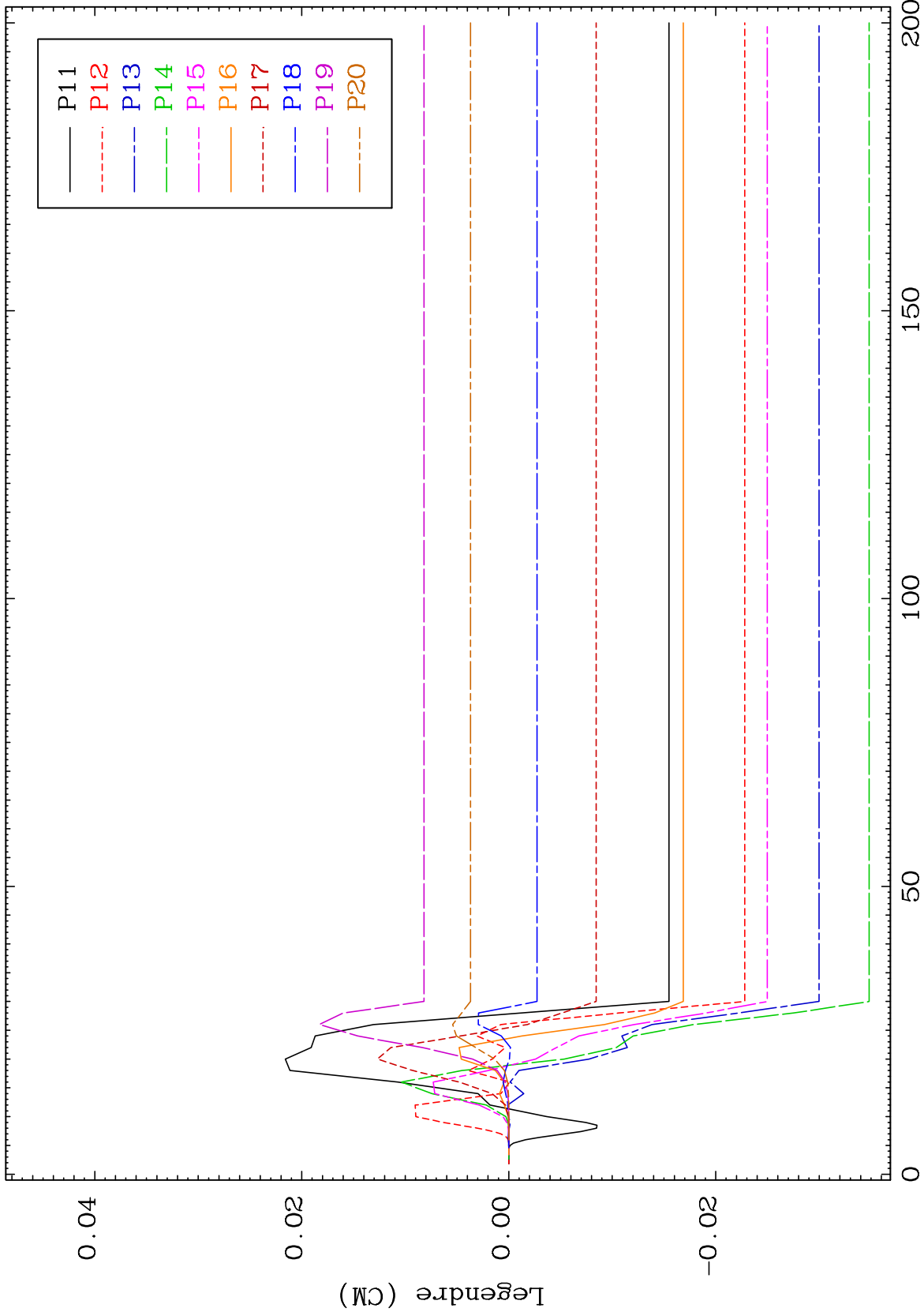


32

MAT 8307

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

83-Bi-203



33

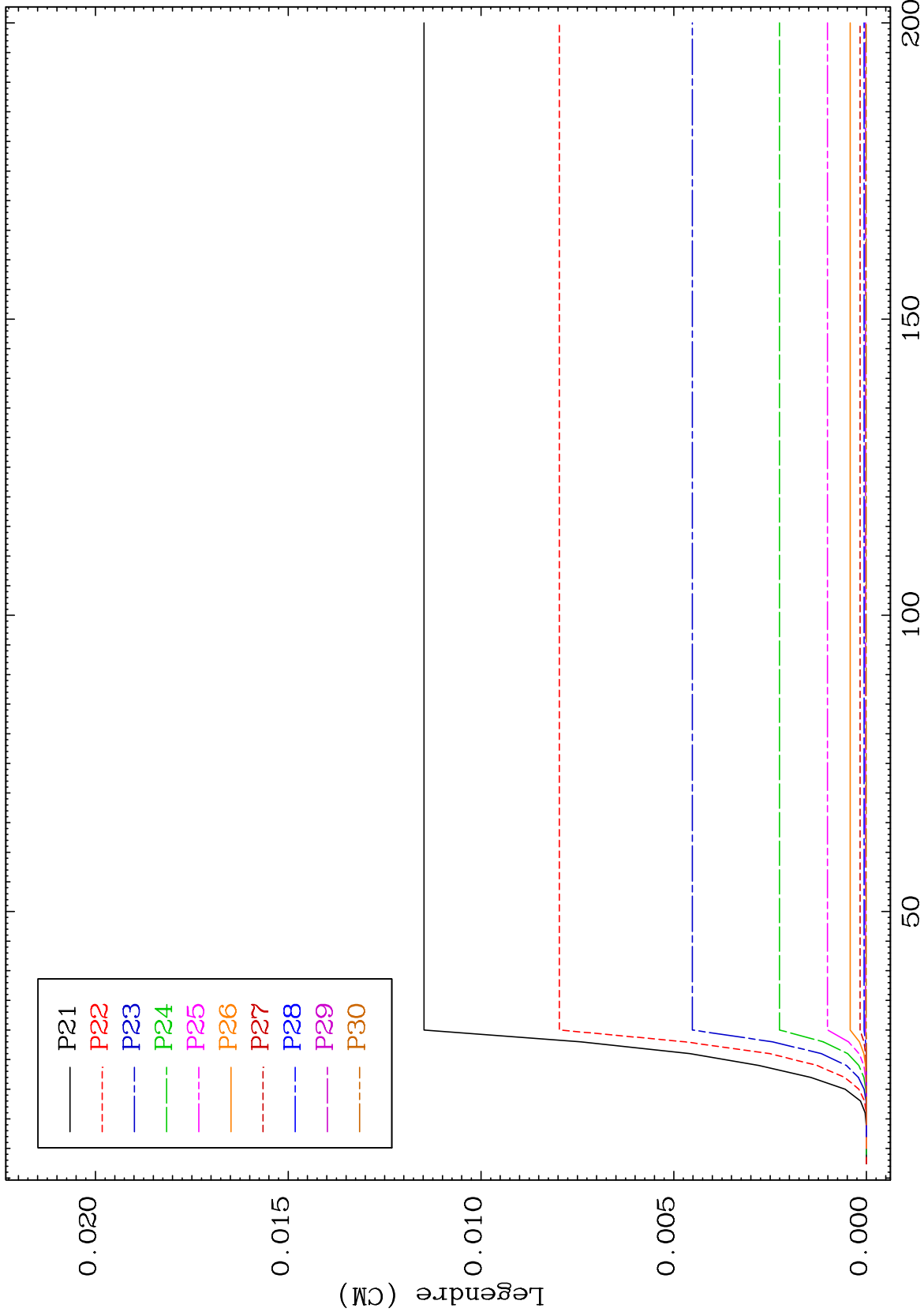
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



34

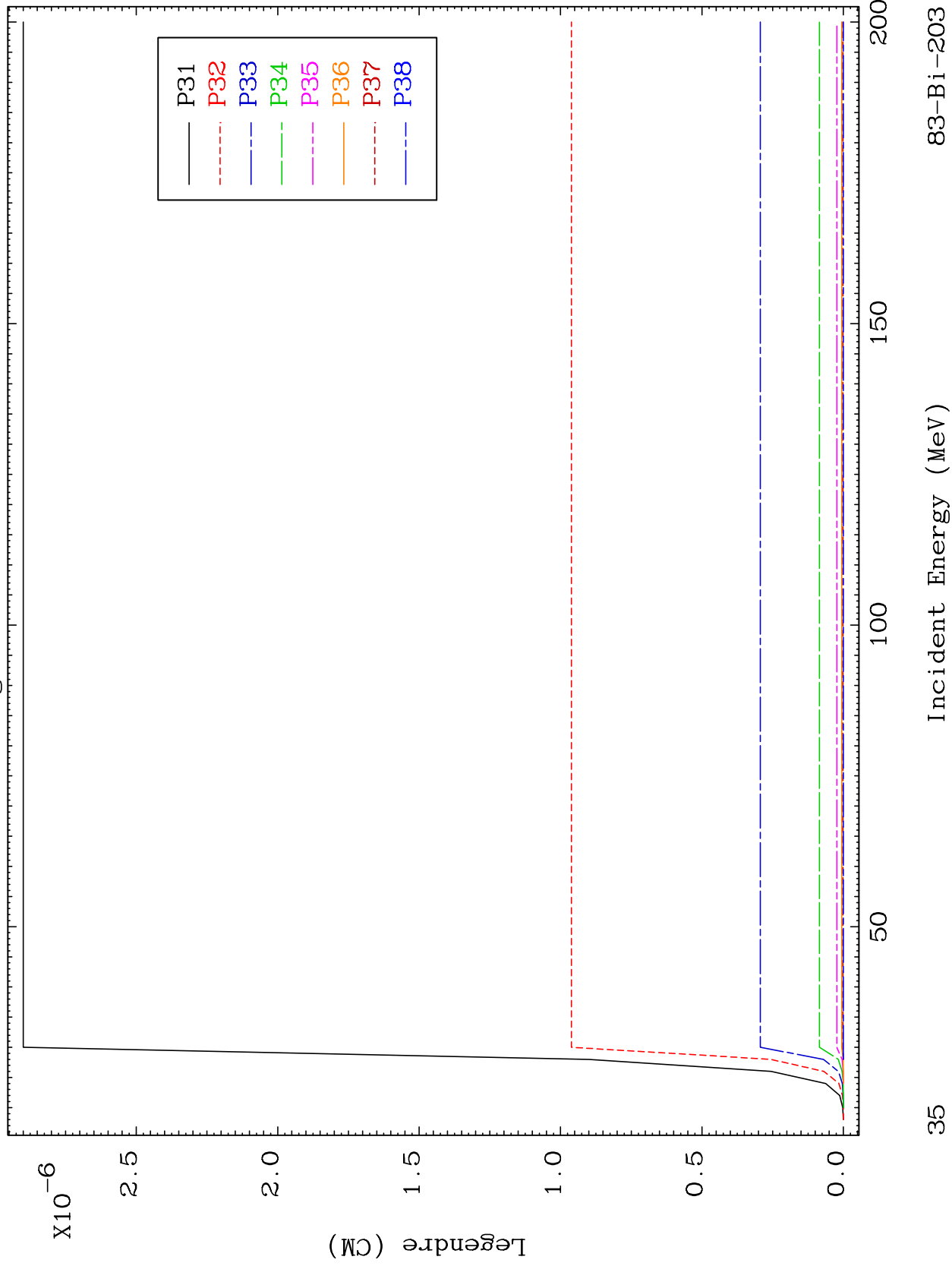
83-Bi-203

Incident Energy (MeV)

MAT 8307

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

83-Bi-203



83-Bi-203

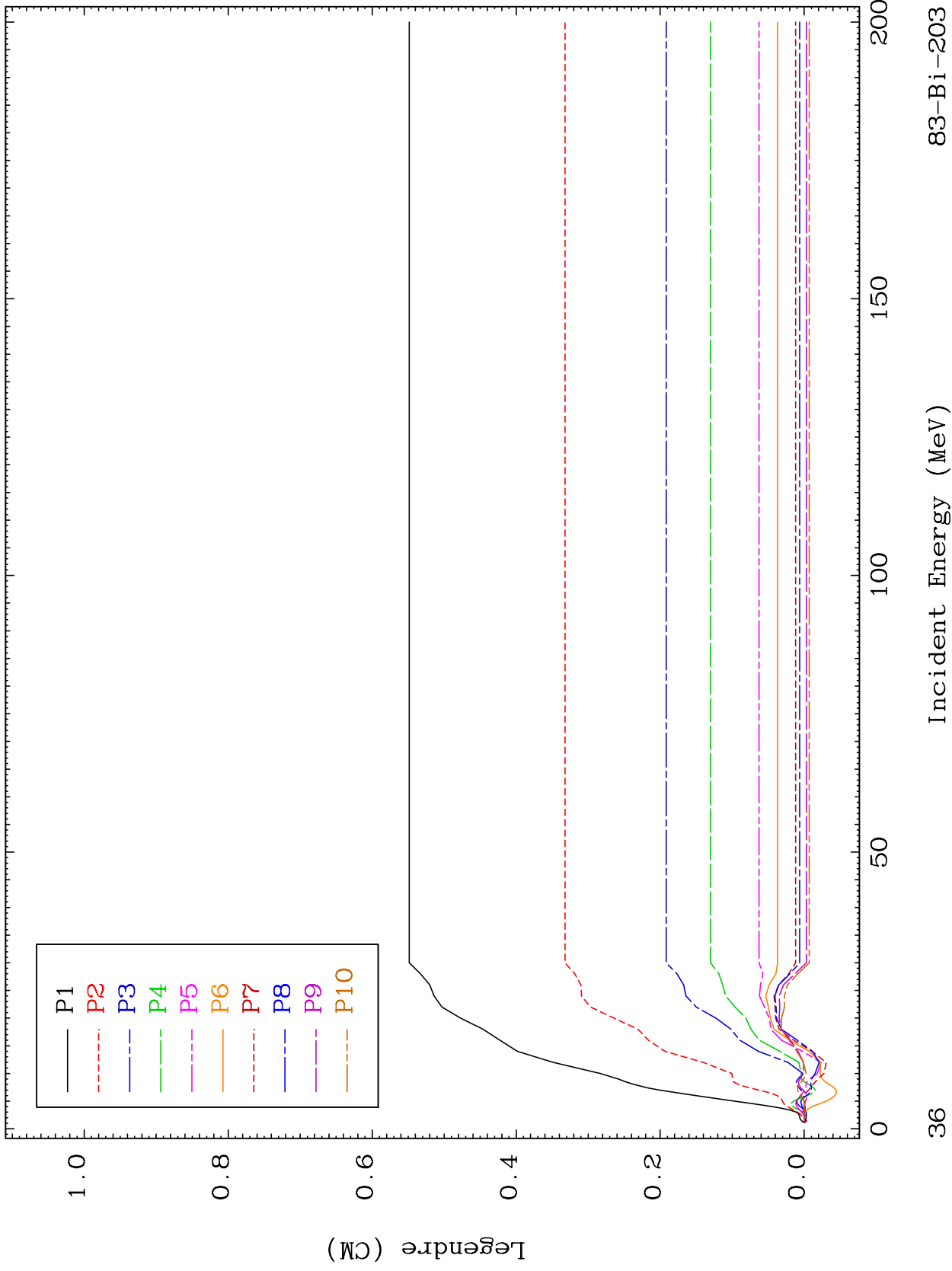
Incident Energy (MeV)

35

MAT 8307

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

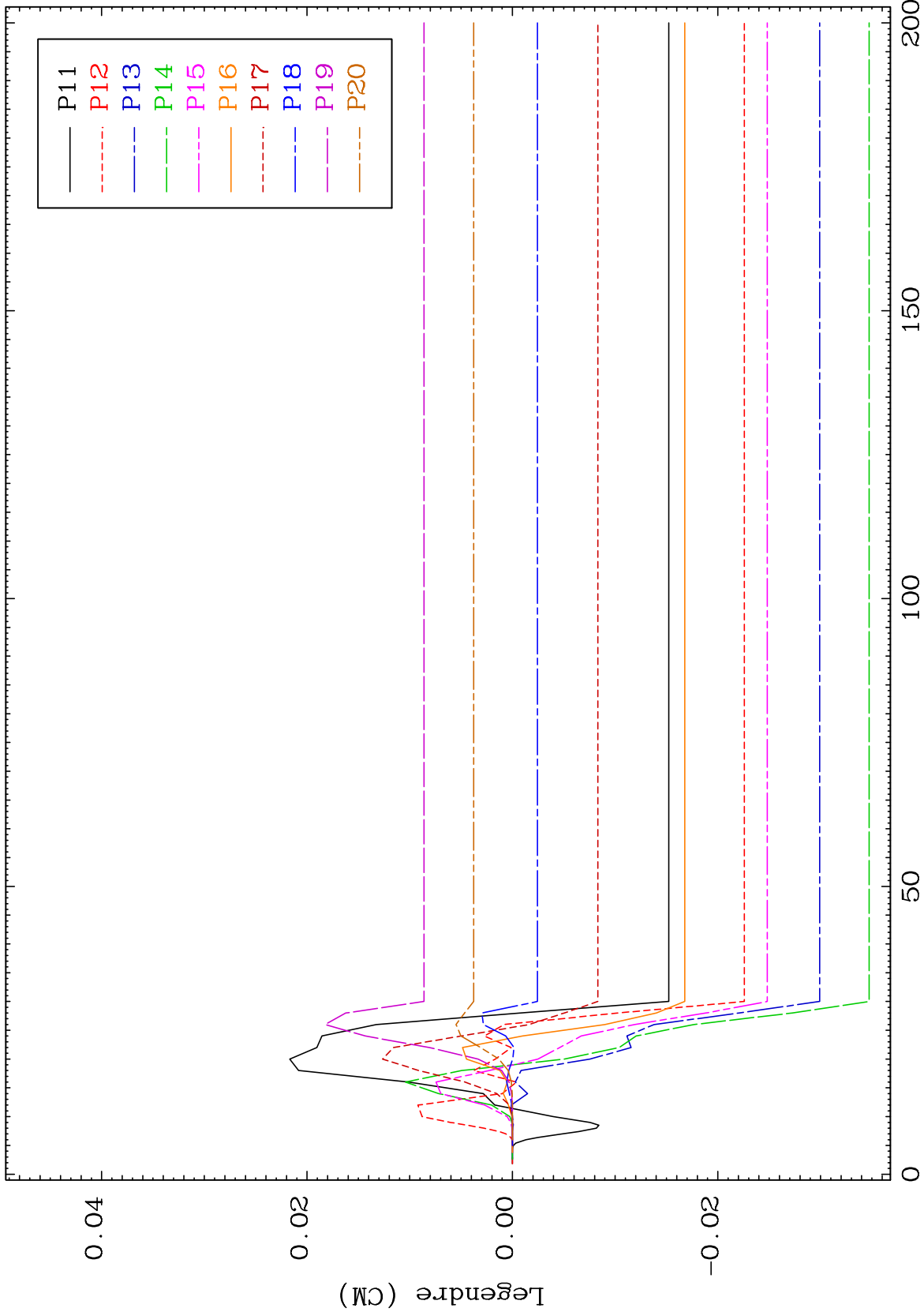
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MAT 8307

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

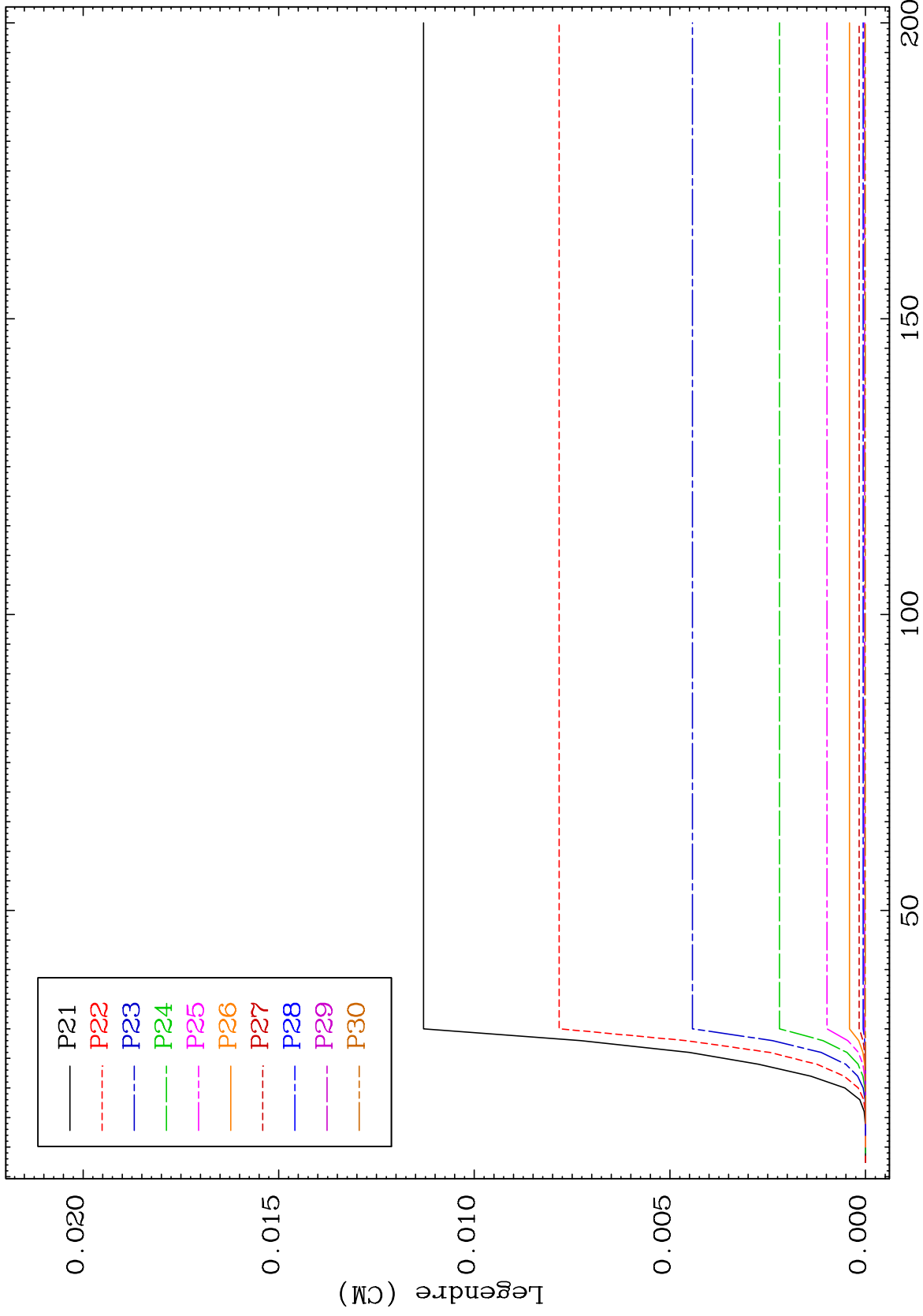
83-Bi-203



37

Incident Energy (MeV)

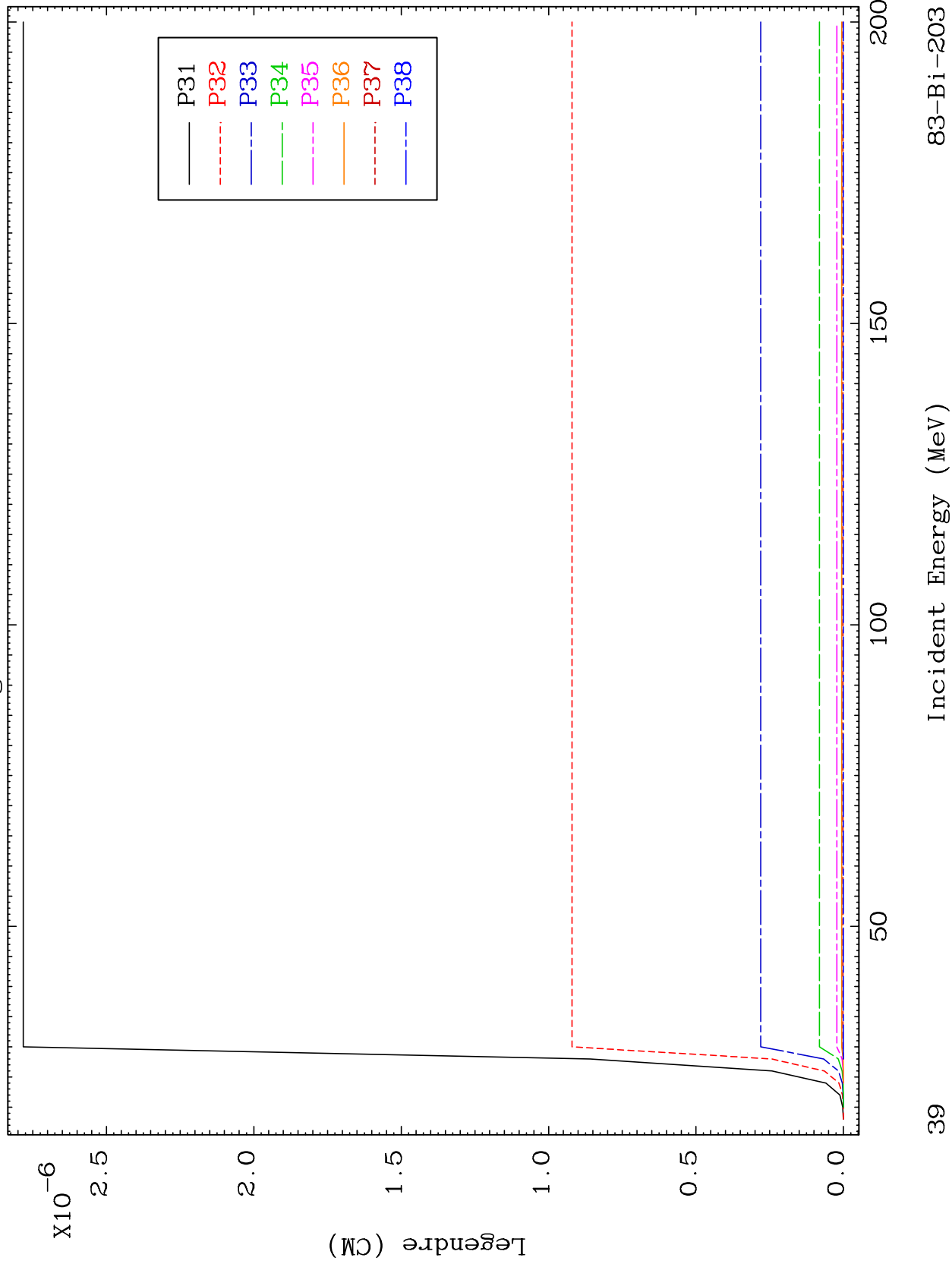
83-Bi-203



MAT 8307

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

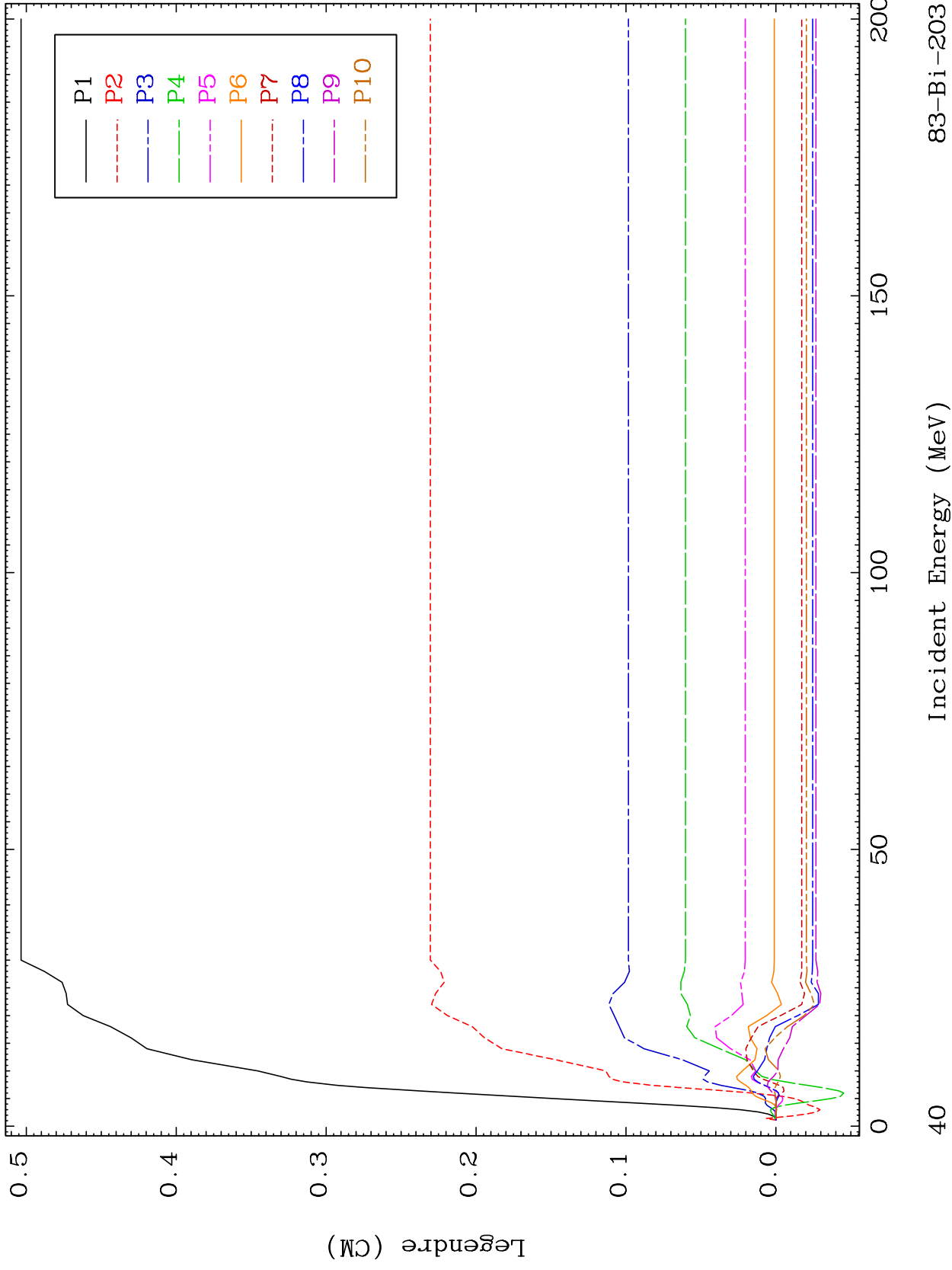
83-Bi-203



MAT 8307

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

83-Bi-203



83-Bi-203

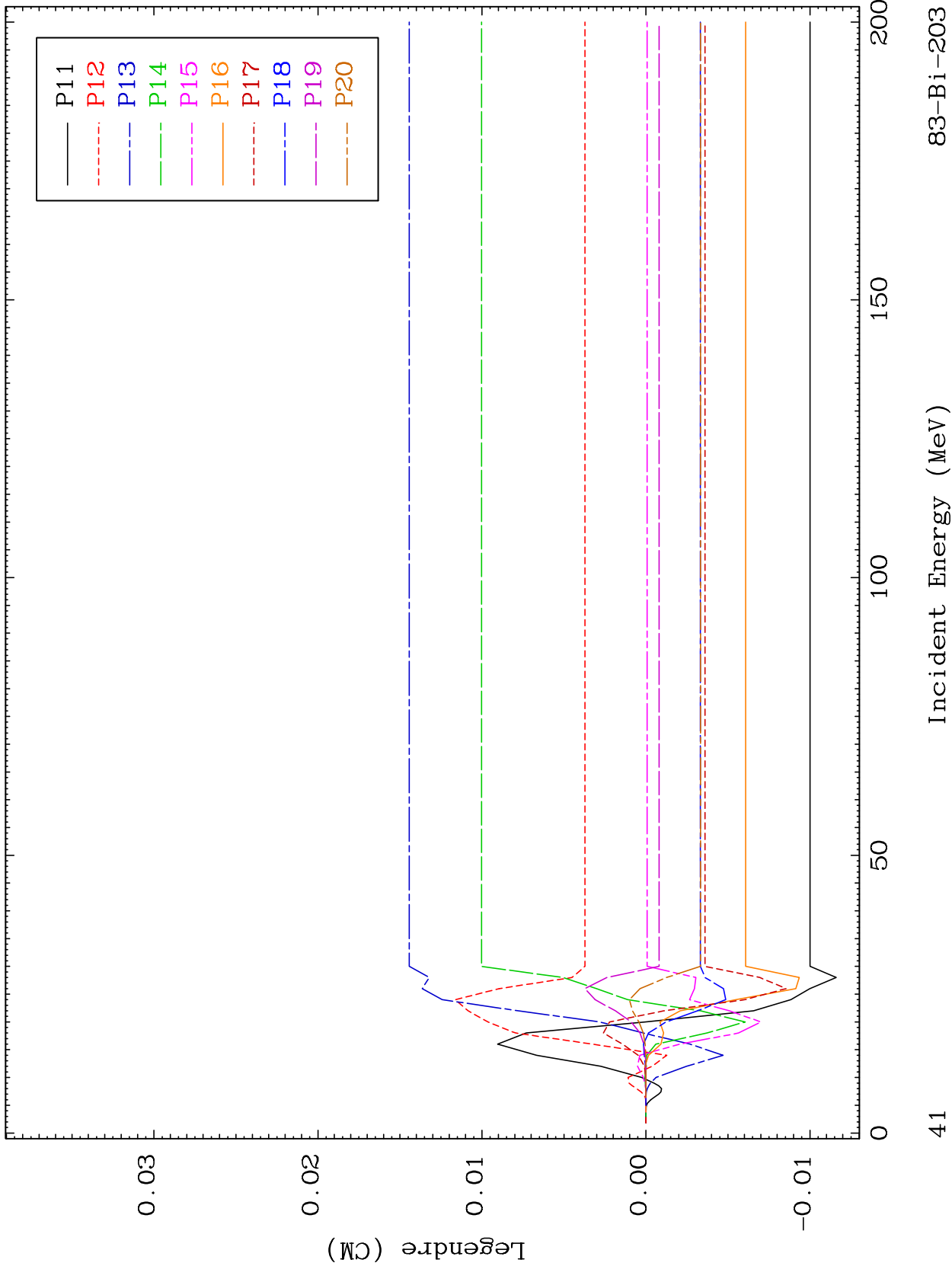
Incident Energy (MeV)

40

MAT 8307

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

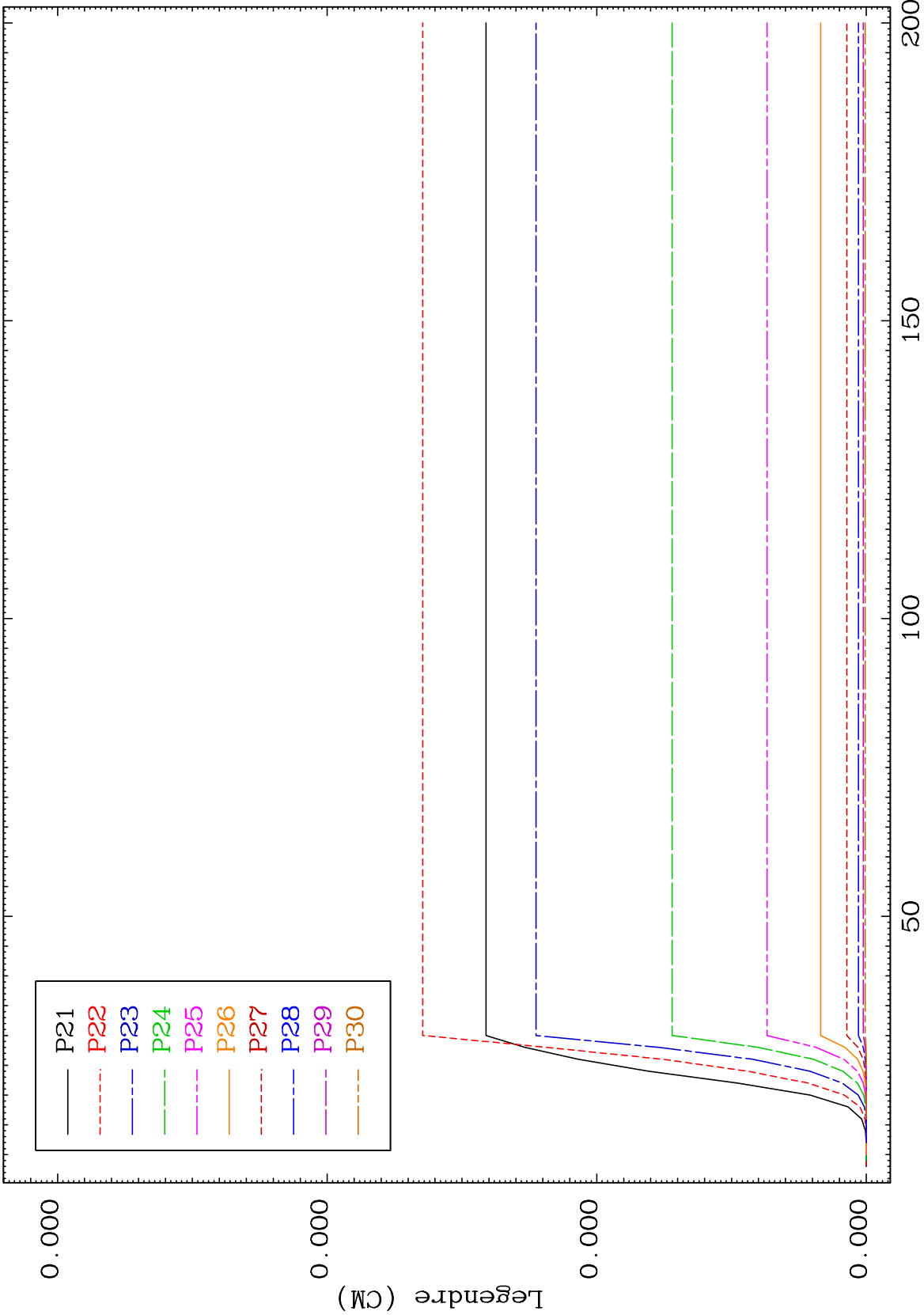
83-Bi-203



MAT 8307

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

83-Bi-203



42

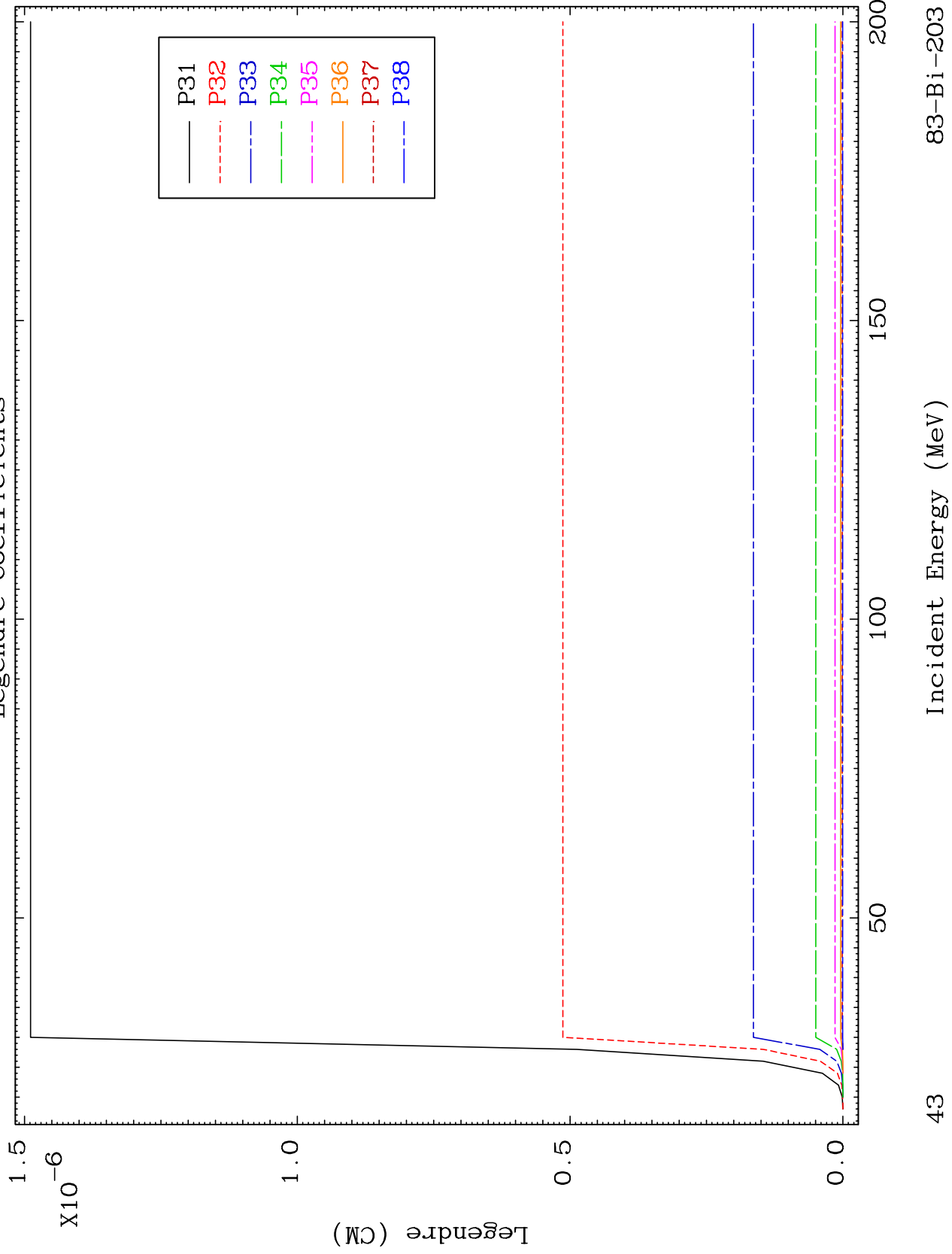
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



43

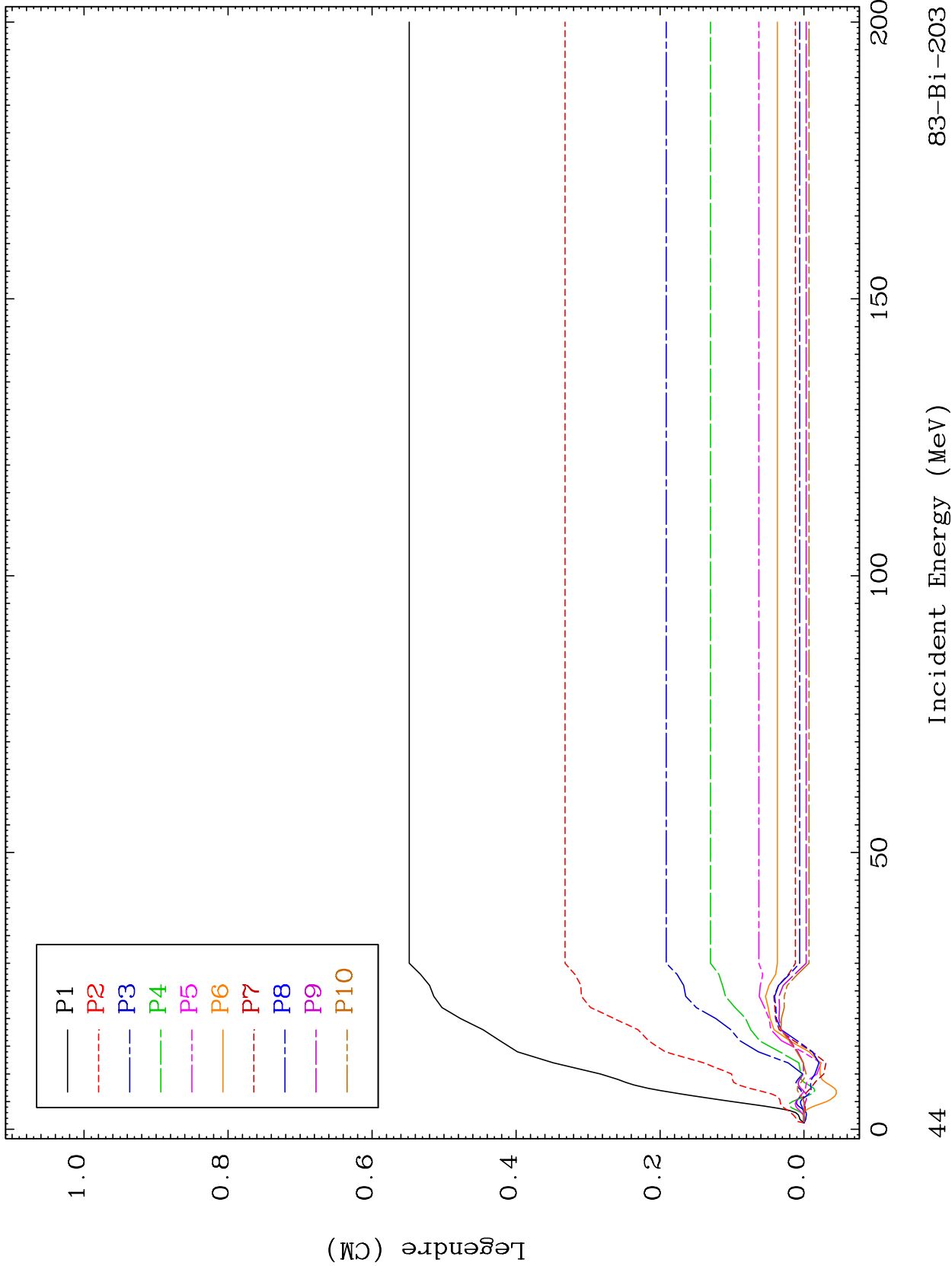
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203

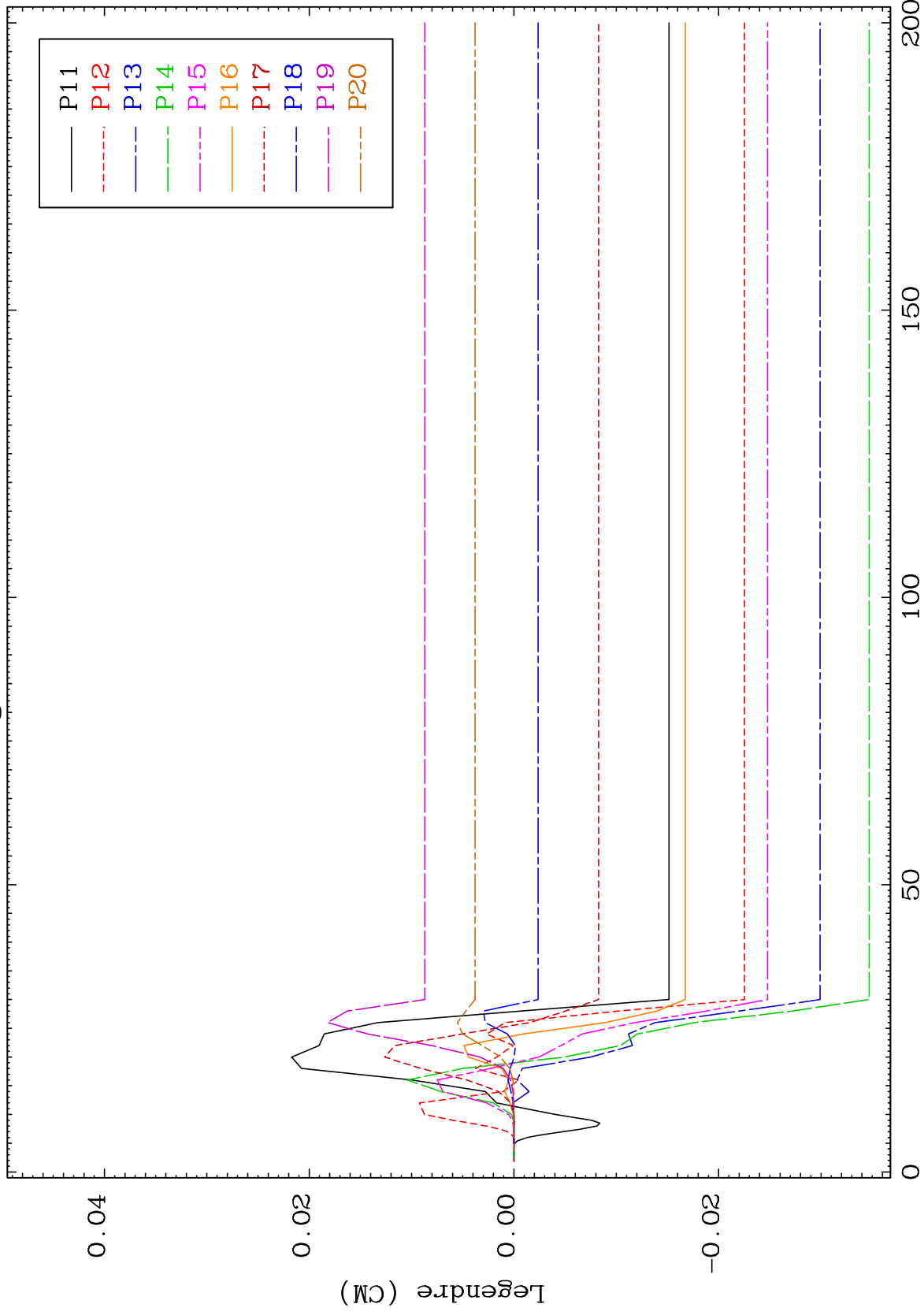


44

MAT 8307

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

83-Bi-203



45

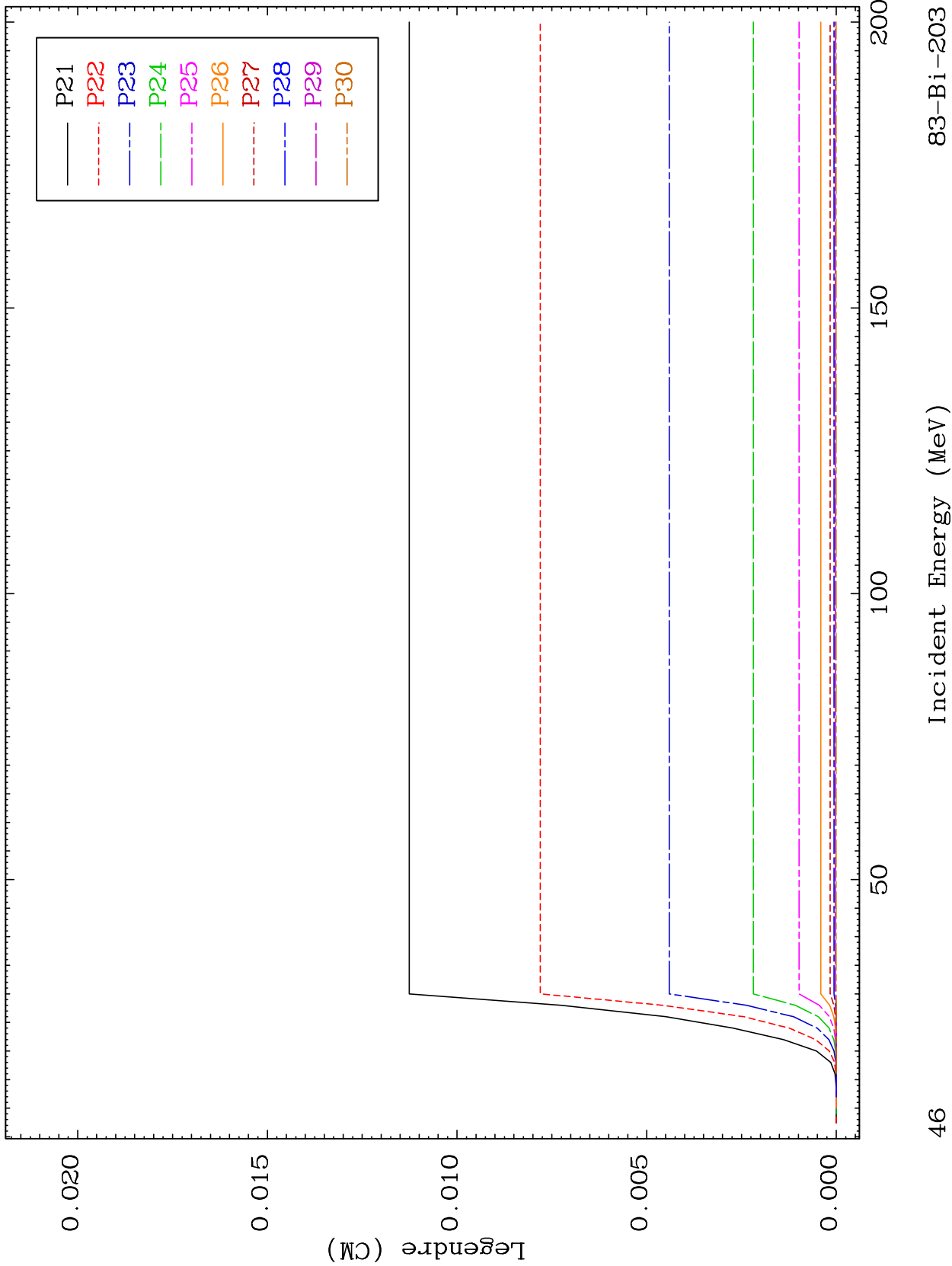
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



46

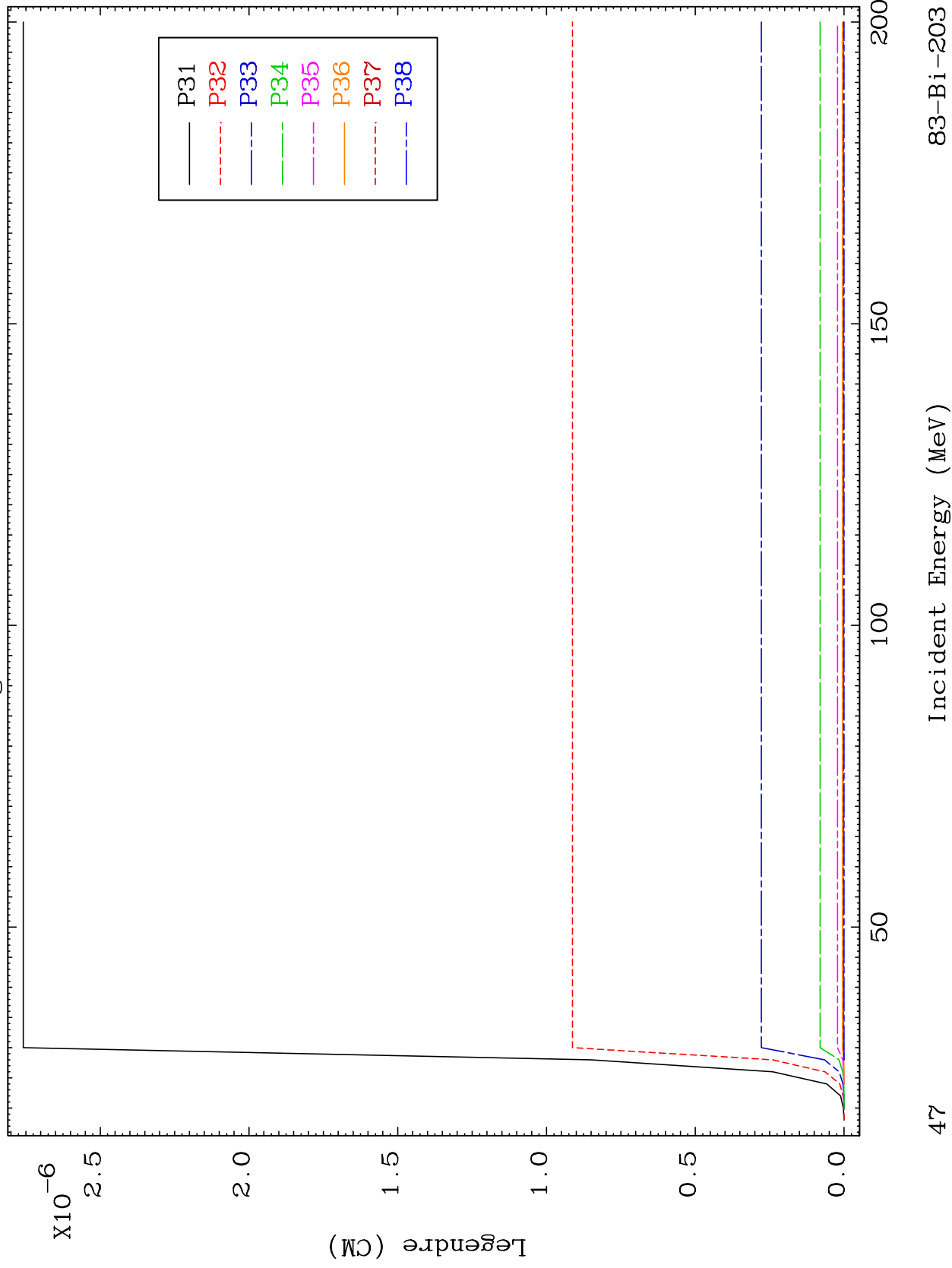
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

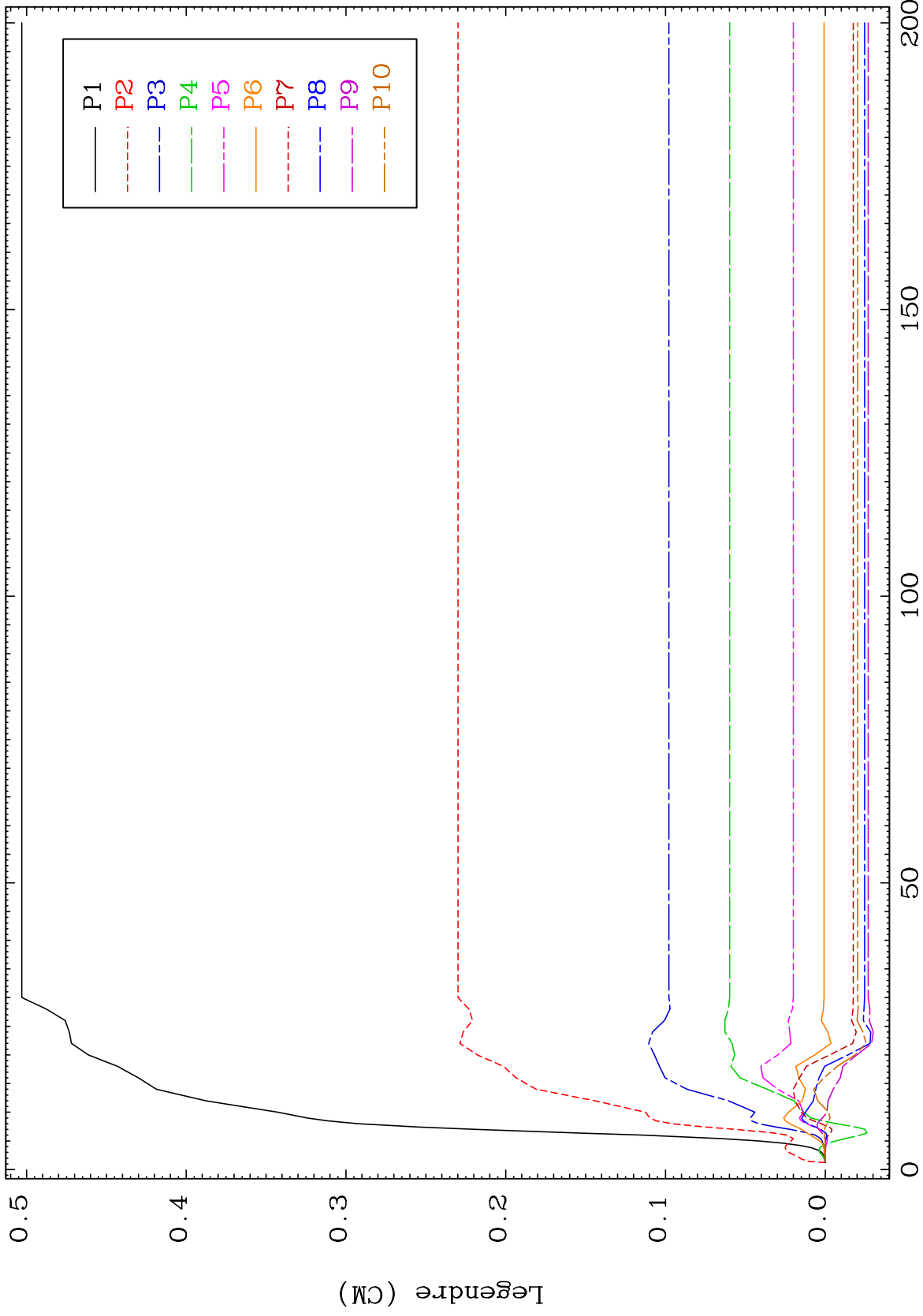
83-Bi-203



MAT 8307

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

83-Bi-203



48

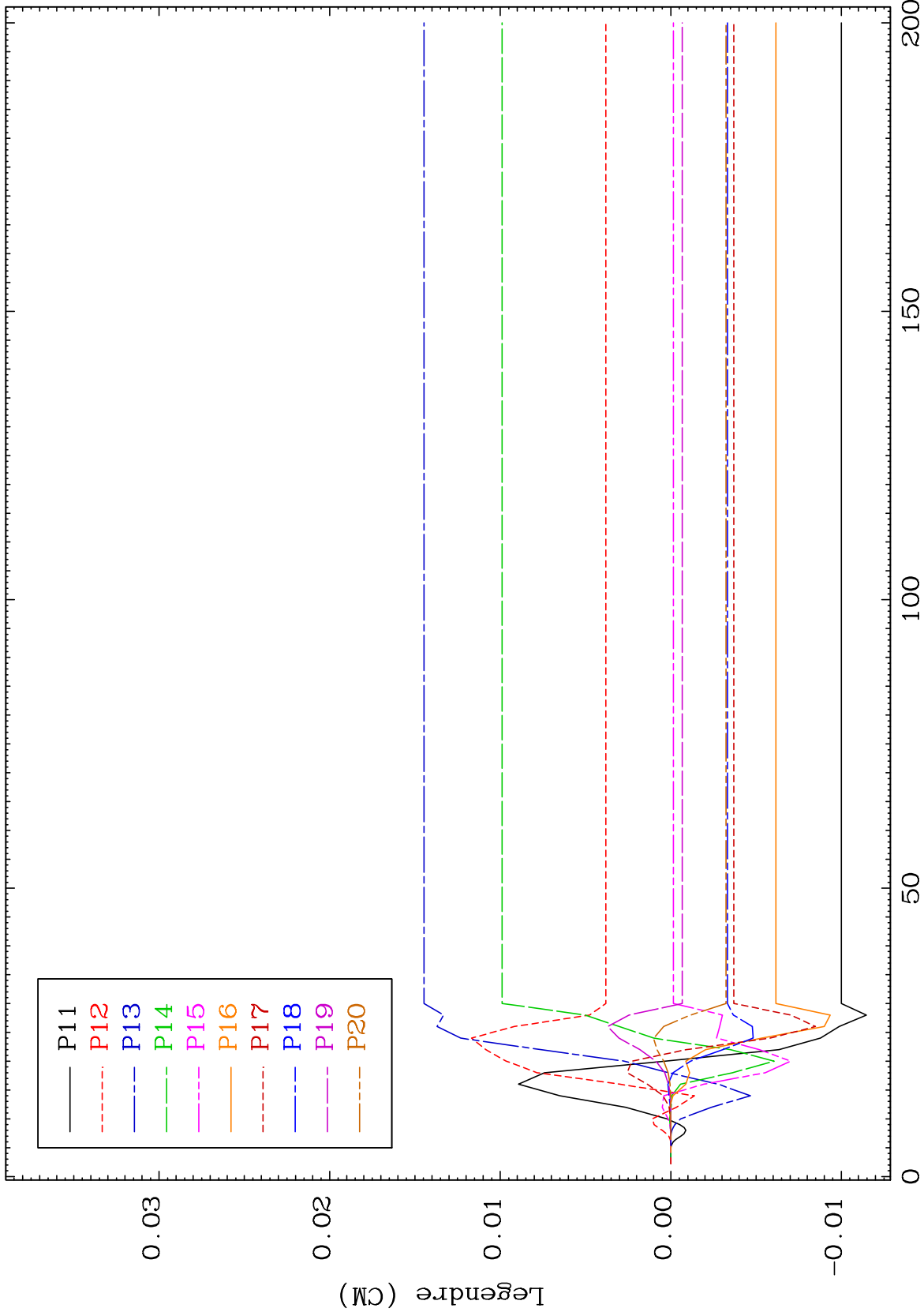
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



49

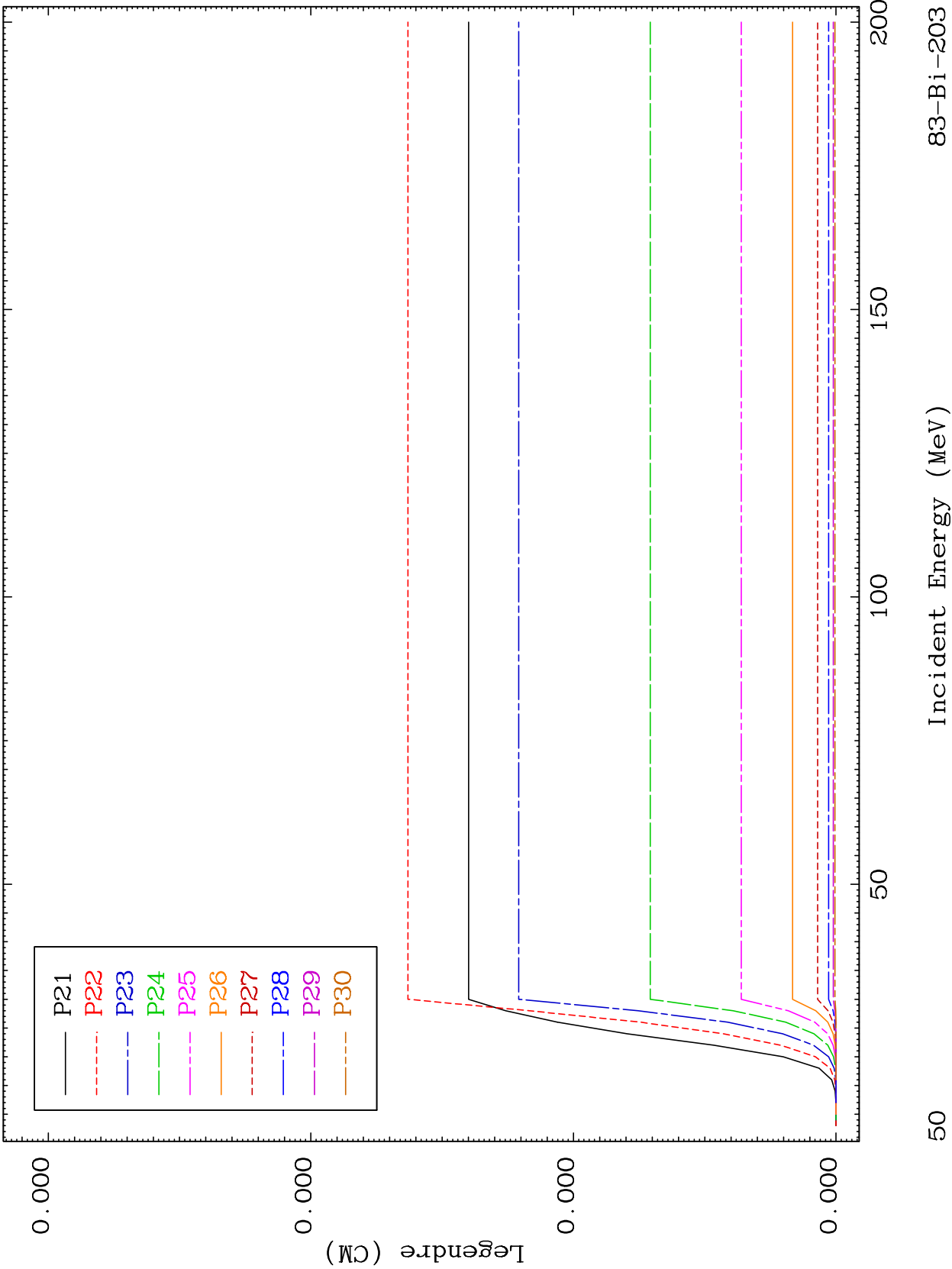
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



83-Bi-203

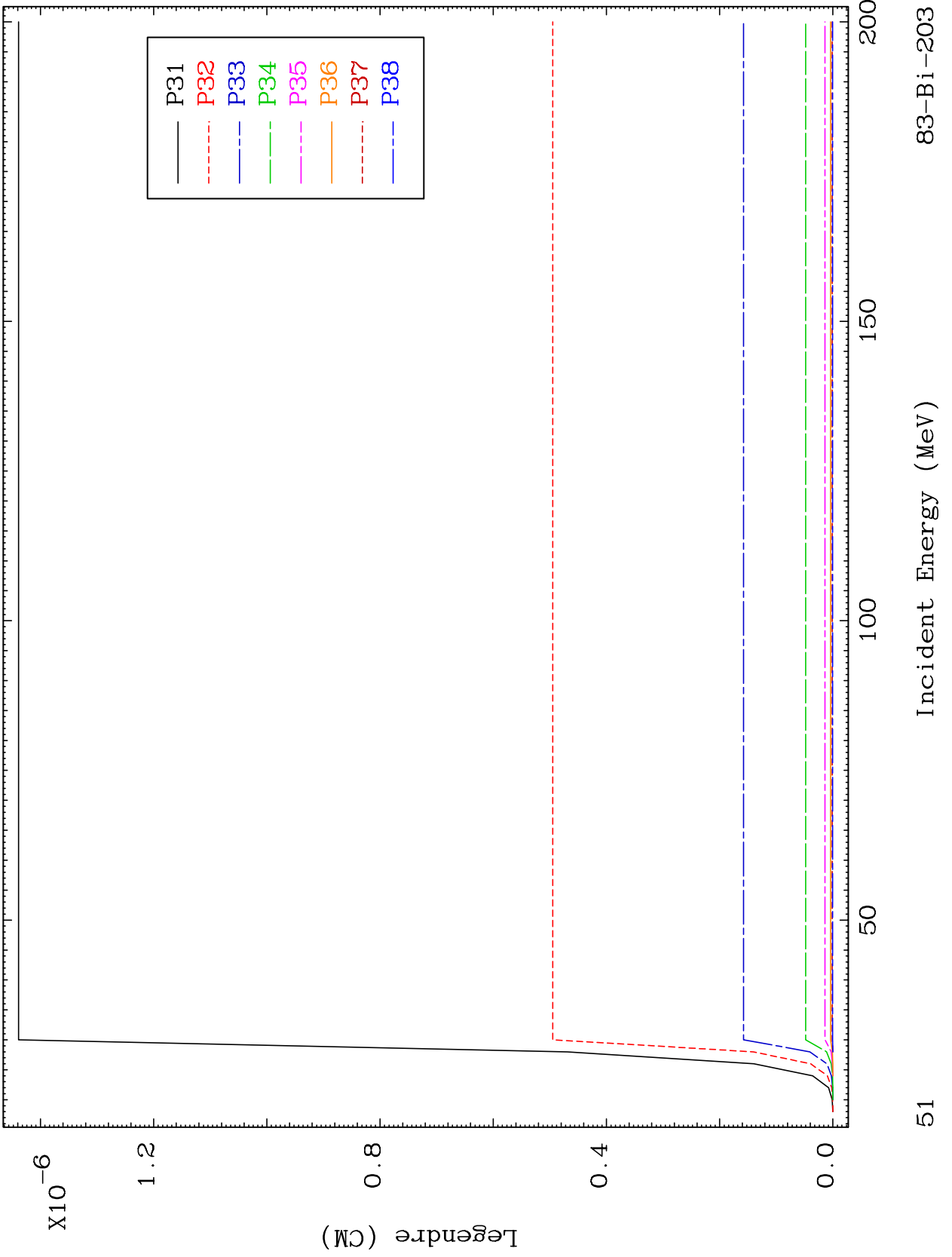
Incident Energy (MeV)

50

MAT 8307

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

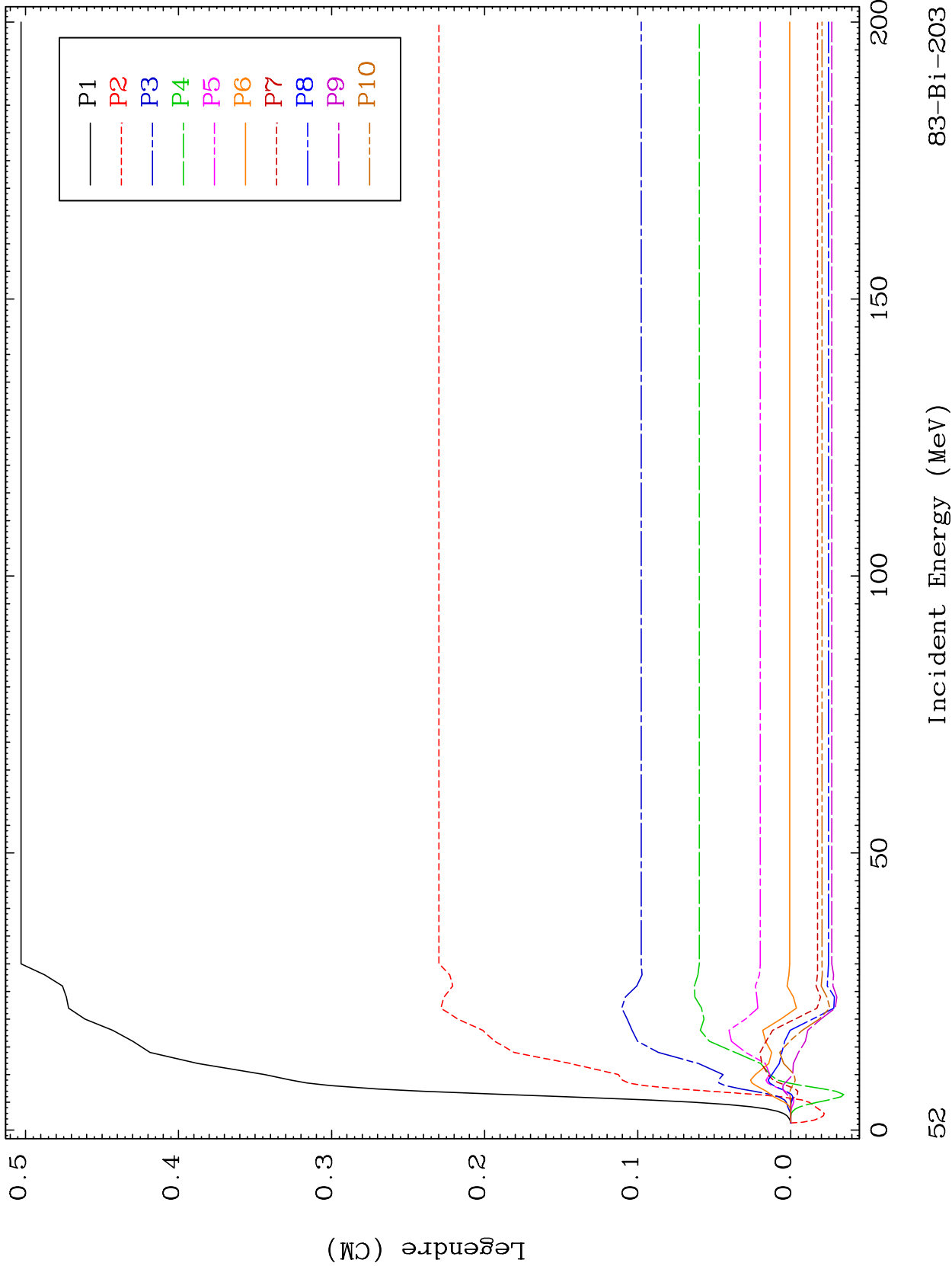
83-Bi-203



MAT 8307

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

83-Bi-203



83-Bi-203

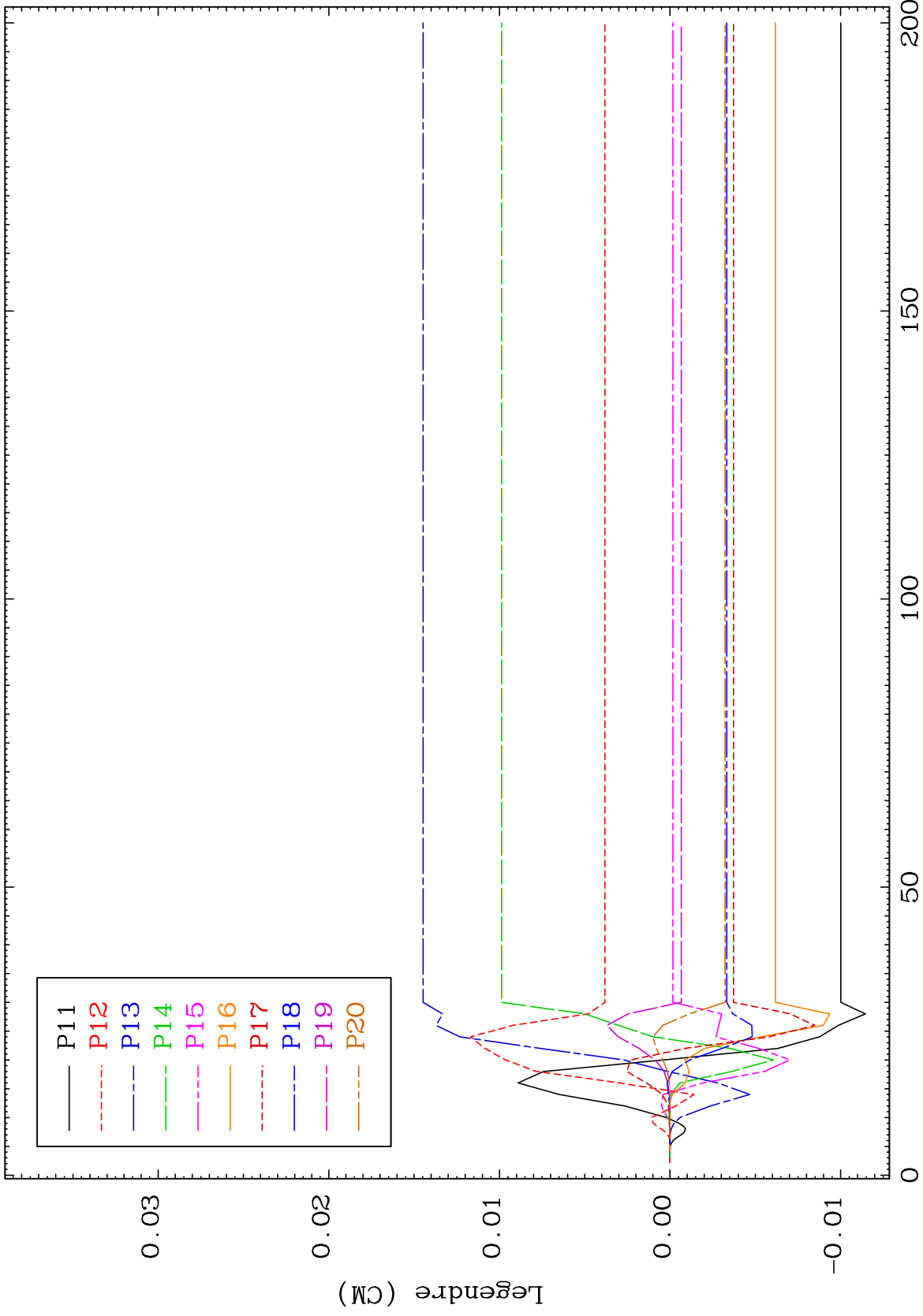
Incident Energy (MeV)

52

MAT 8307

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

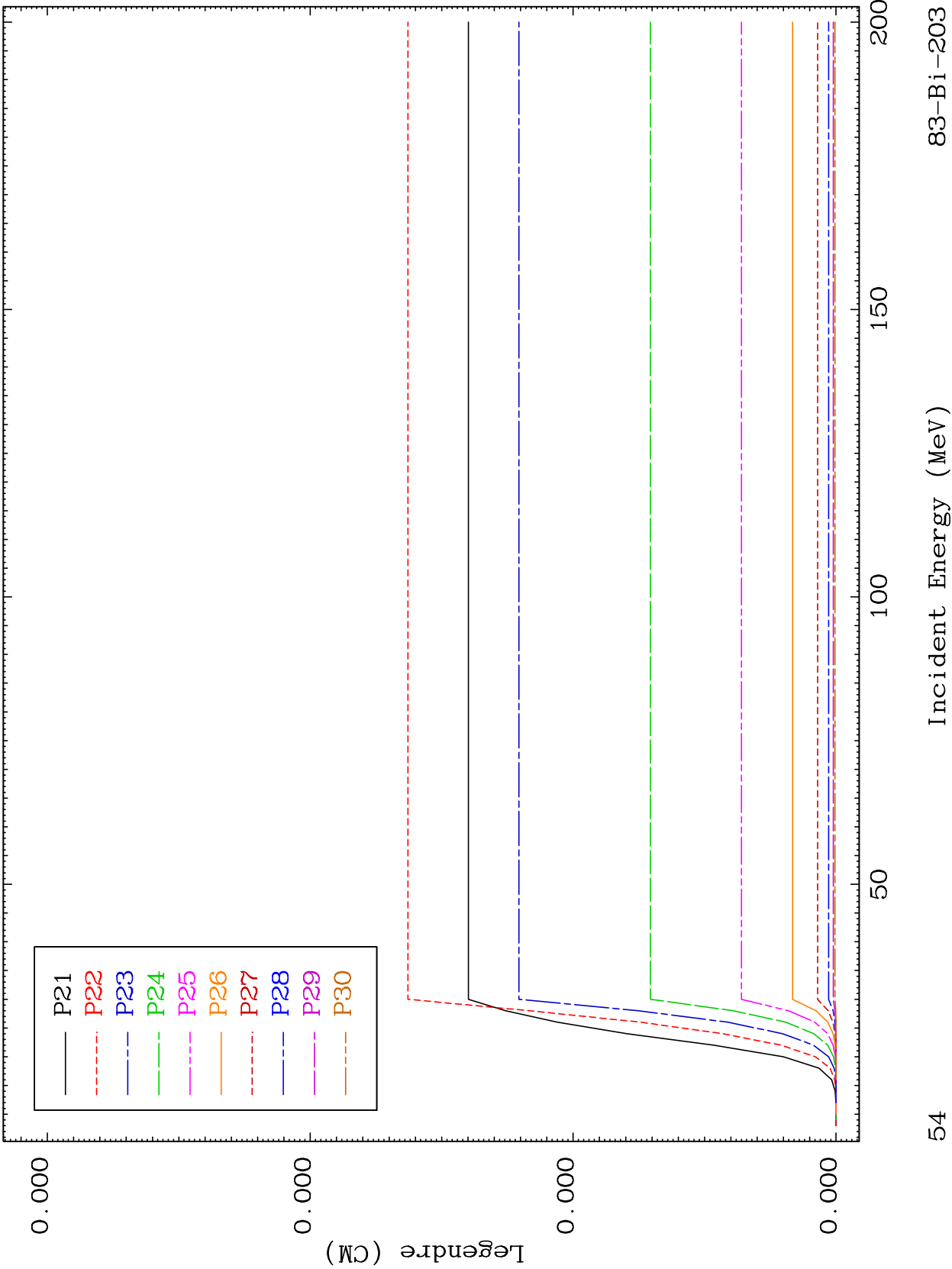
83-Bi-203



53

Incident Energy (MeV)

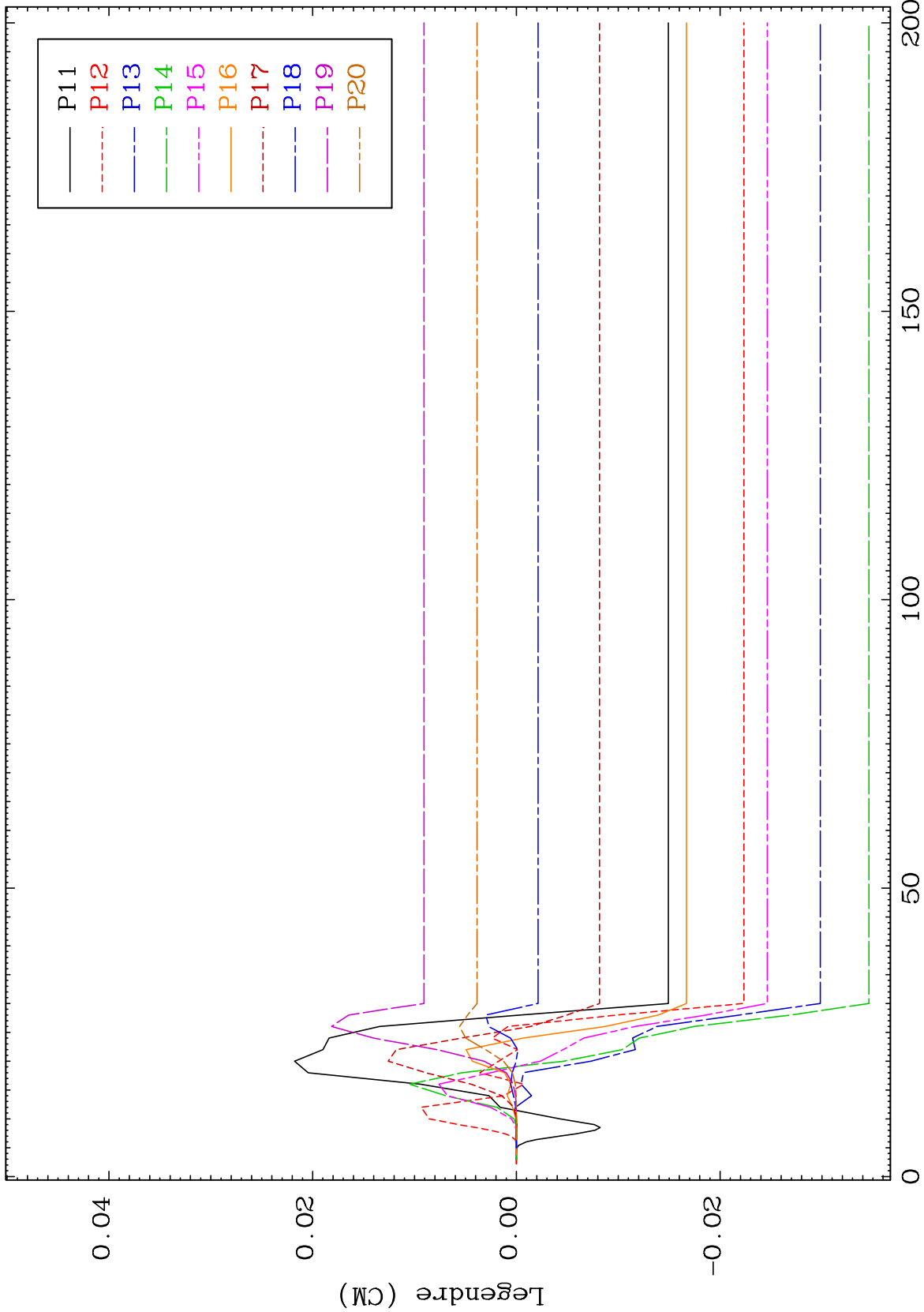
83-Bi-203



MAT 8307

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

83-Bi-203



57

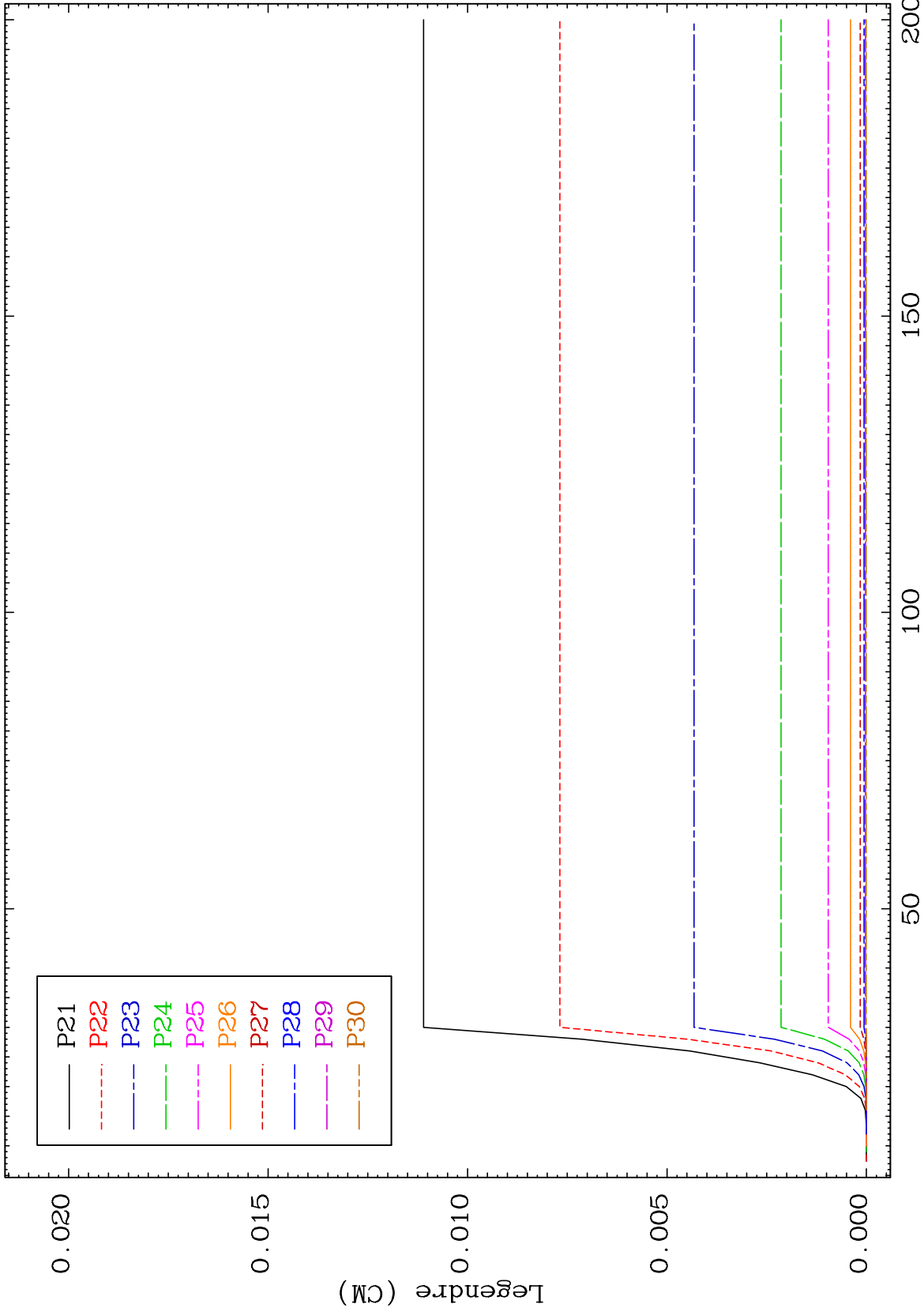
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



58

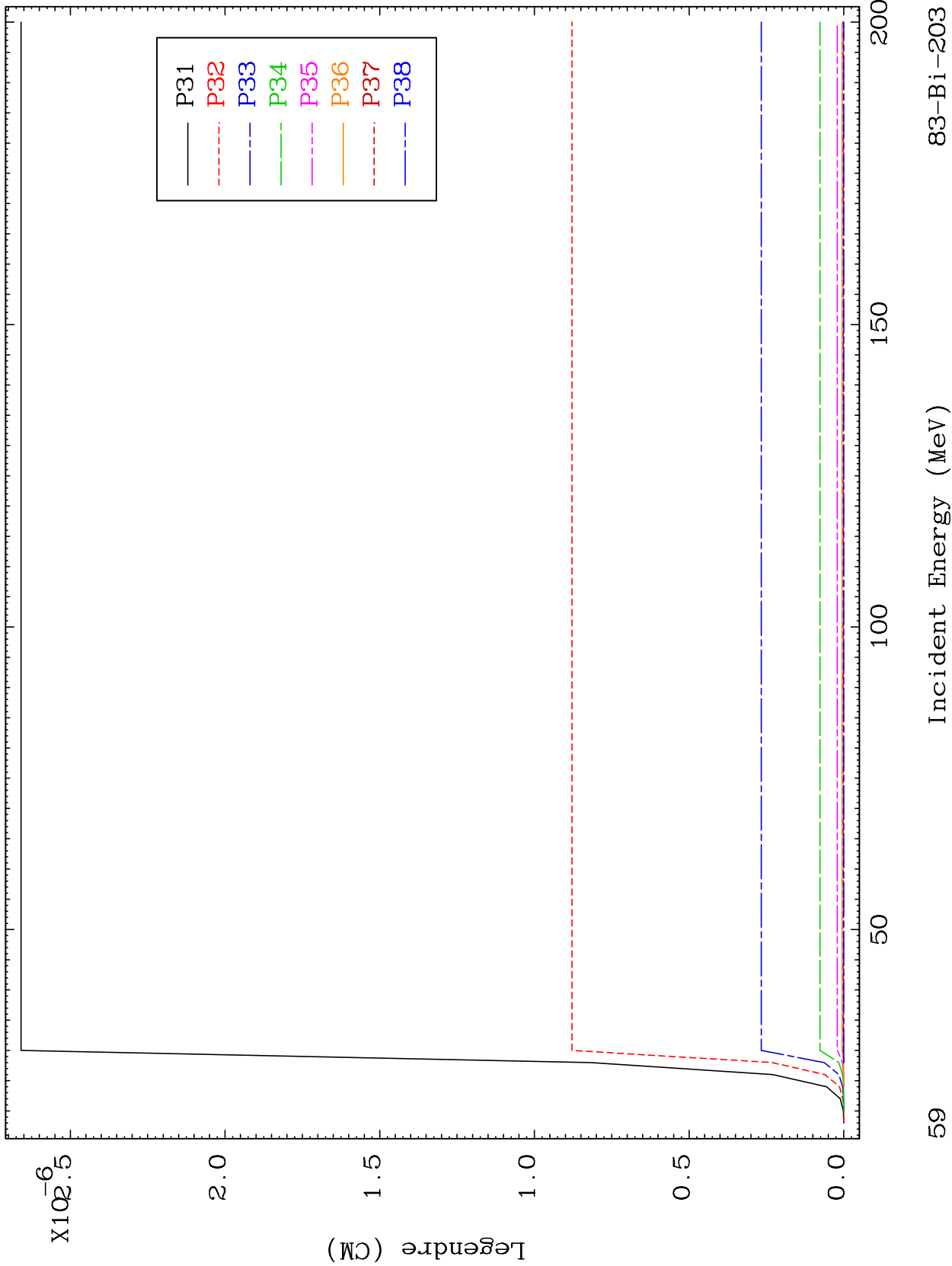
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



59

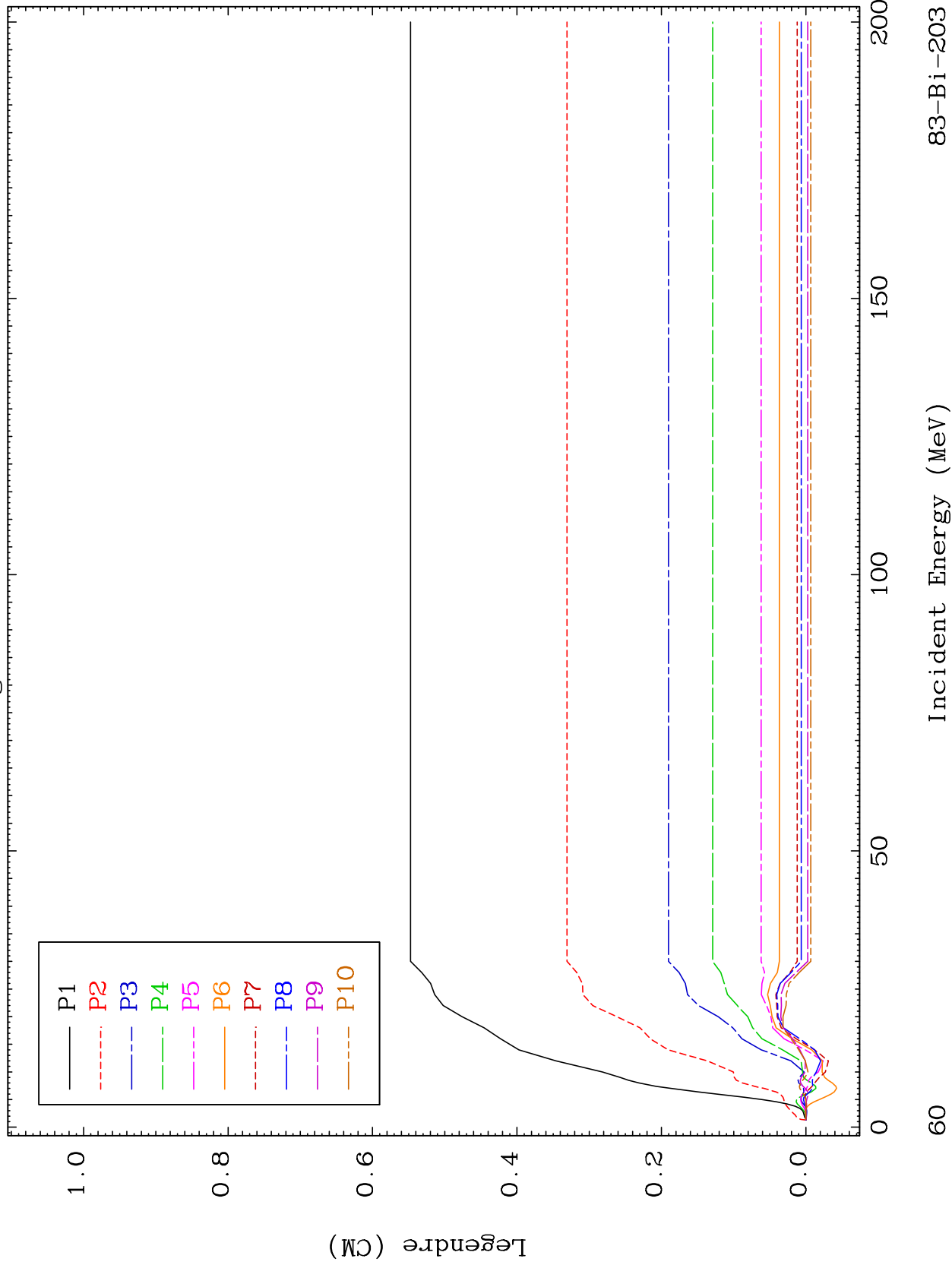
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

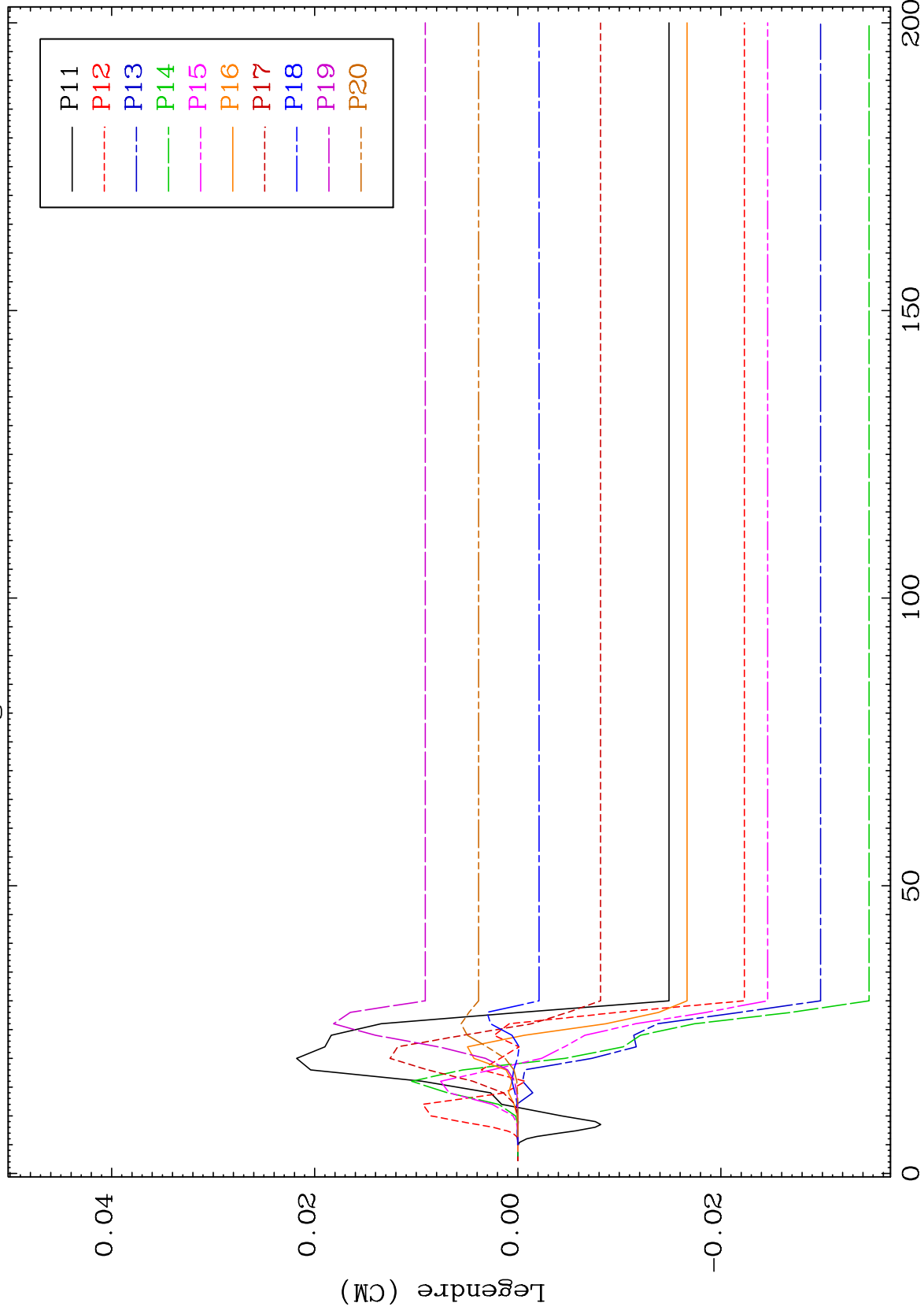
83-Bi-203



MAT 8307

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

83-Bi-203



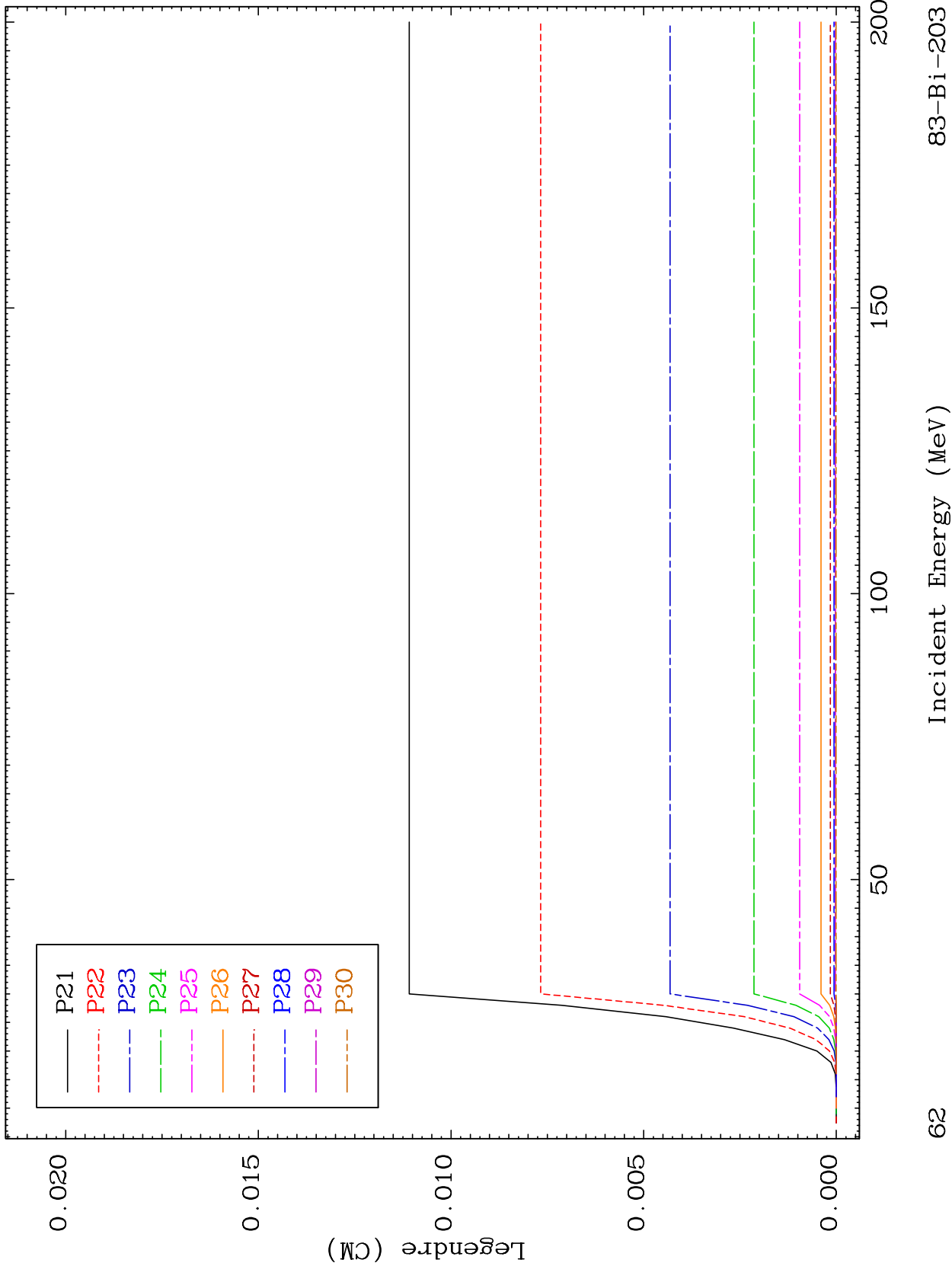
61

83-Bi-203

MAT 8307

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

83-Bi-203



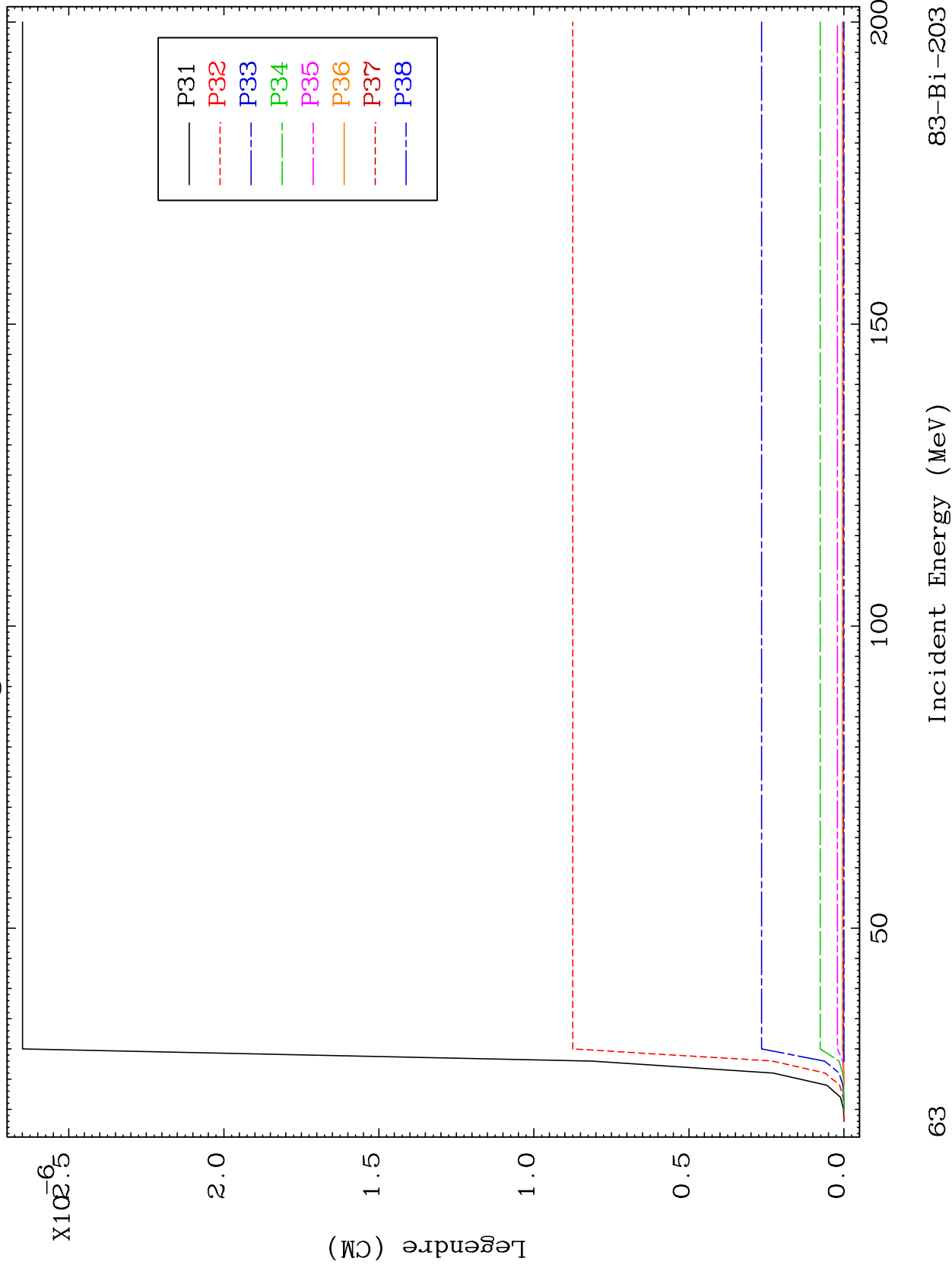
62

83-Bi-203

MAT 8307

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

83-Bi-203



63

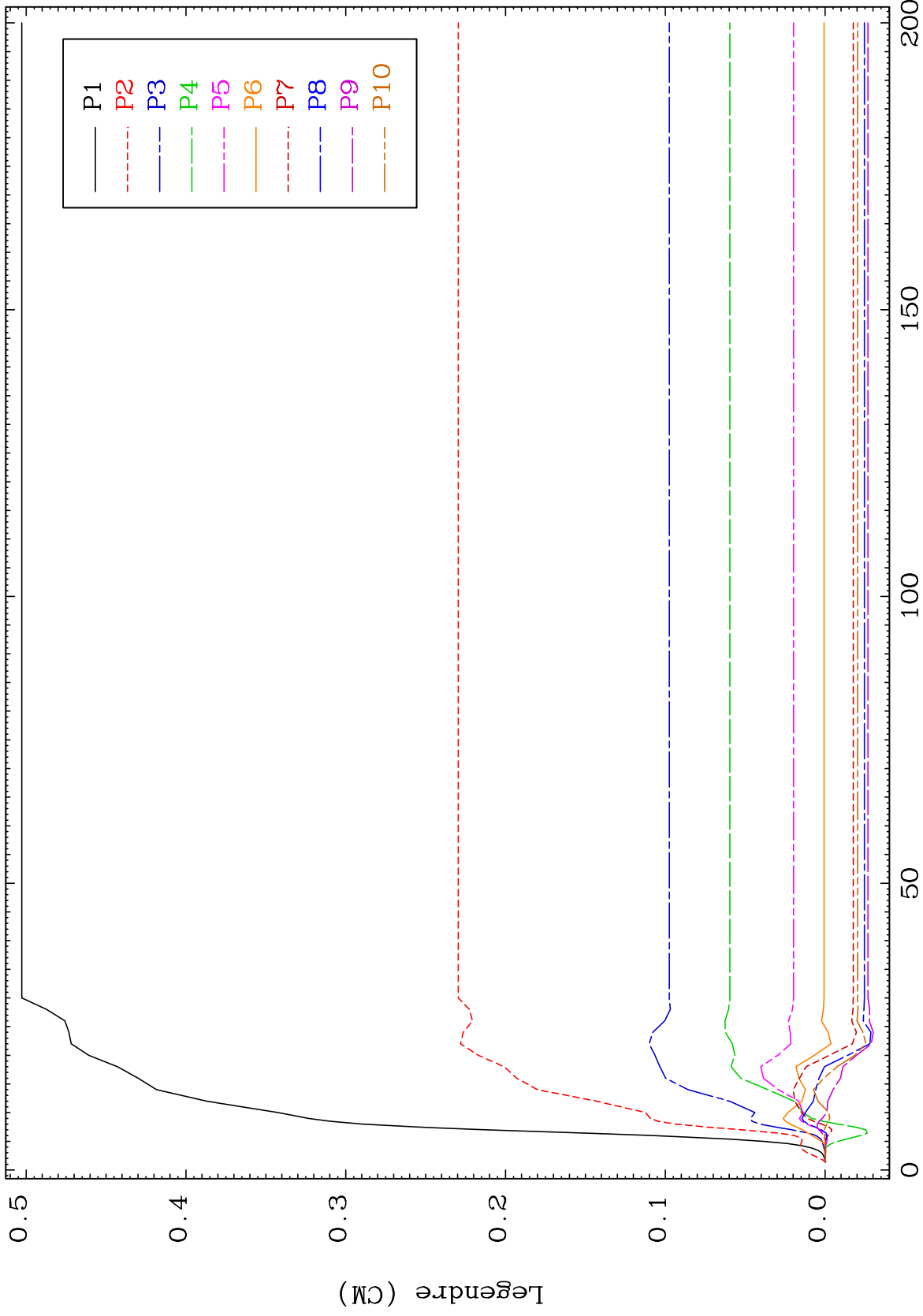
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



83-Bi-203

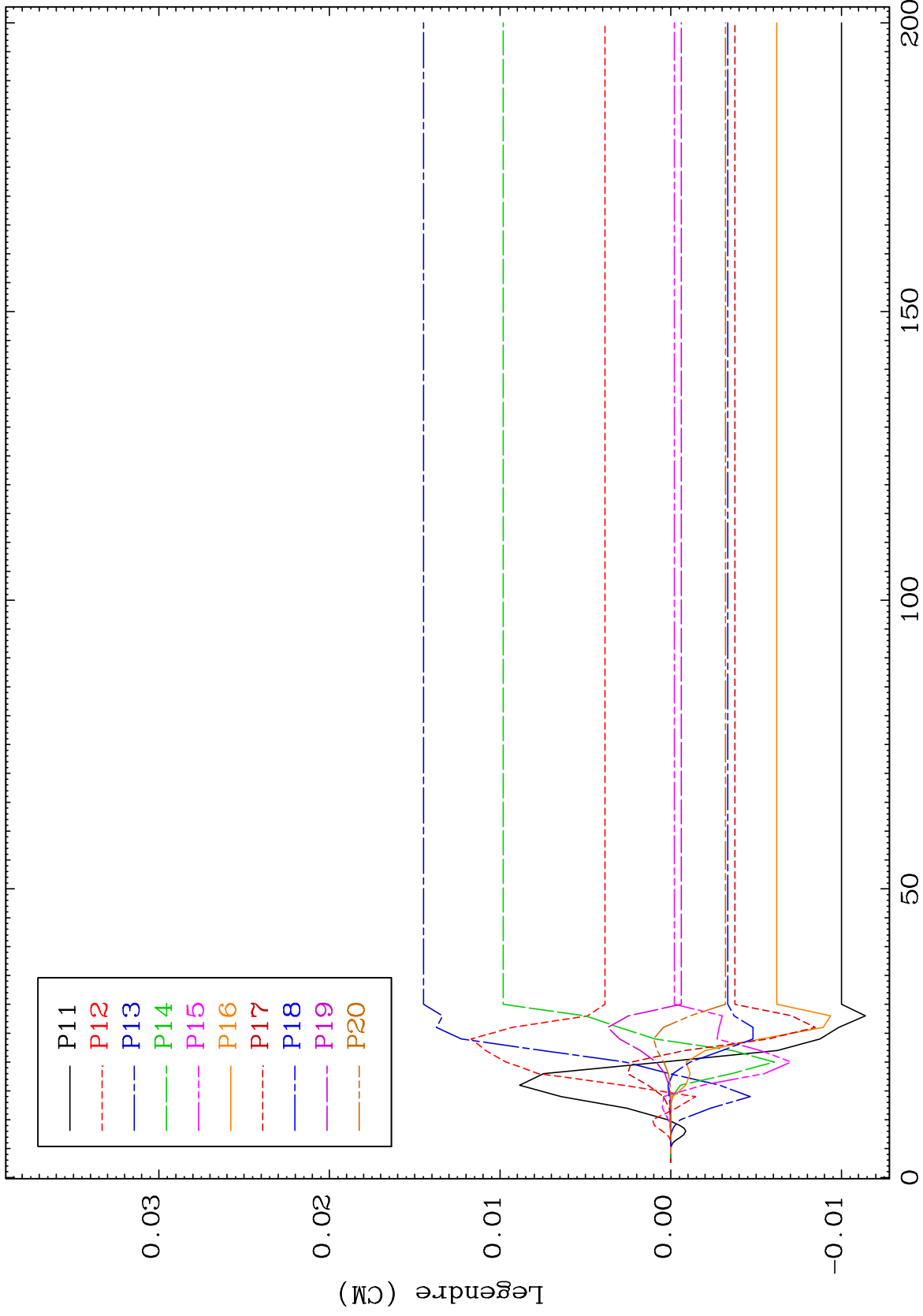
Incident Energy (MeV)

64

MAT 8307

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

83-Bi-203



65

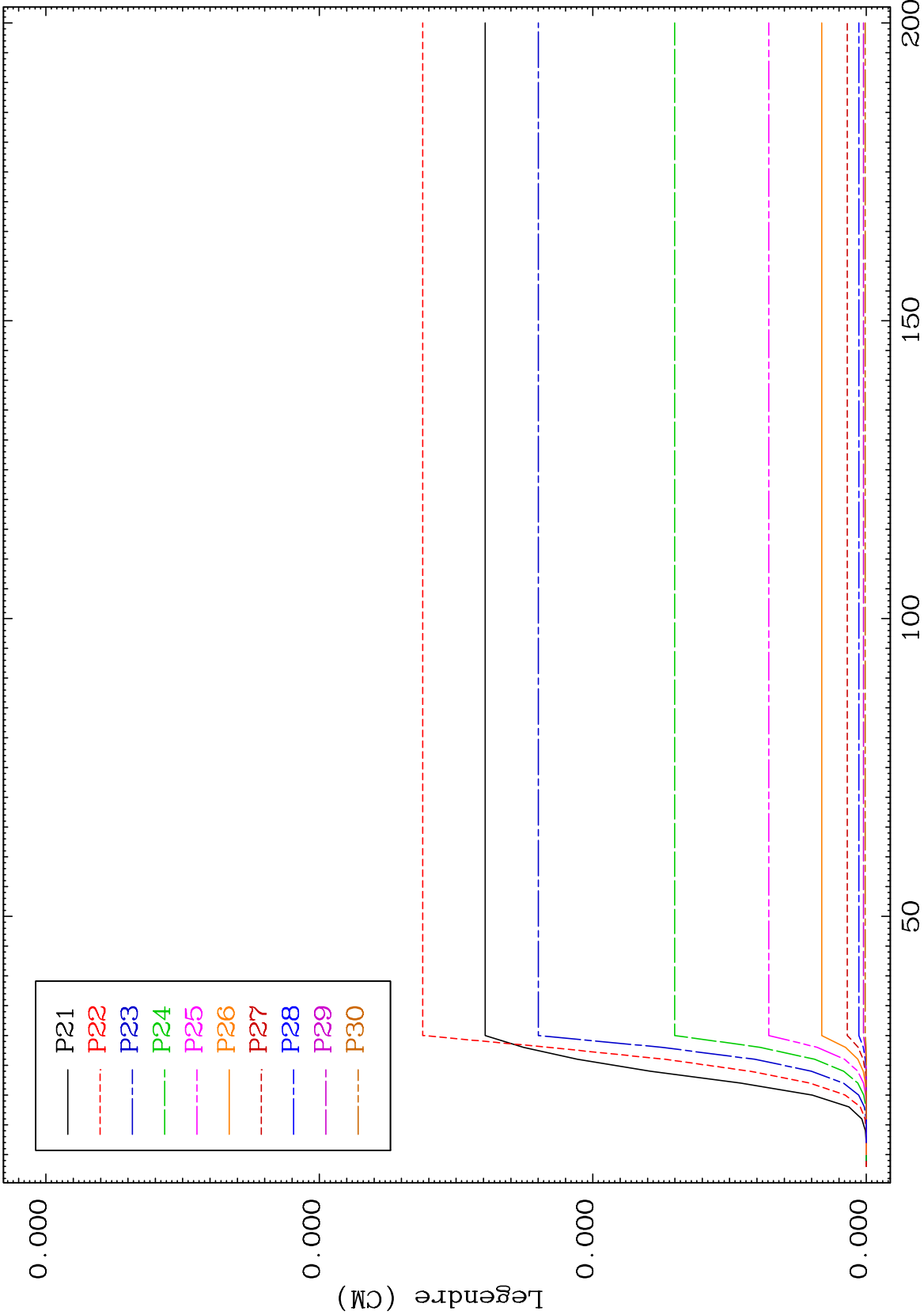
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



66

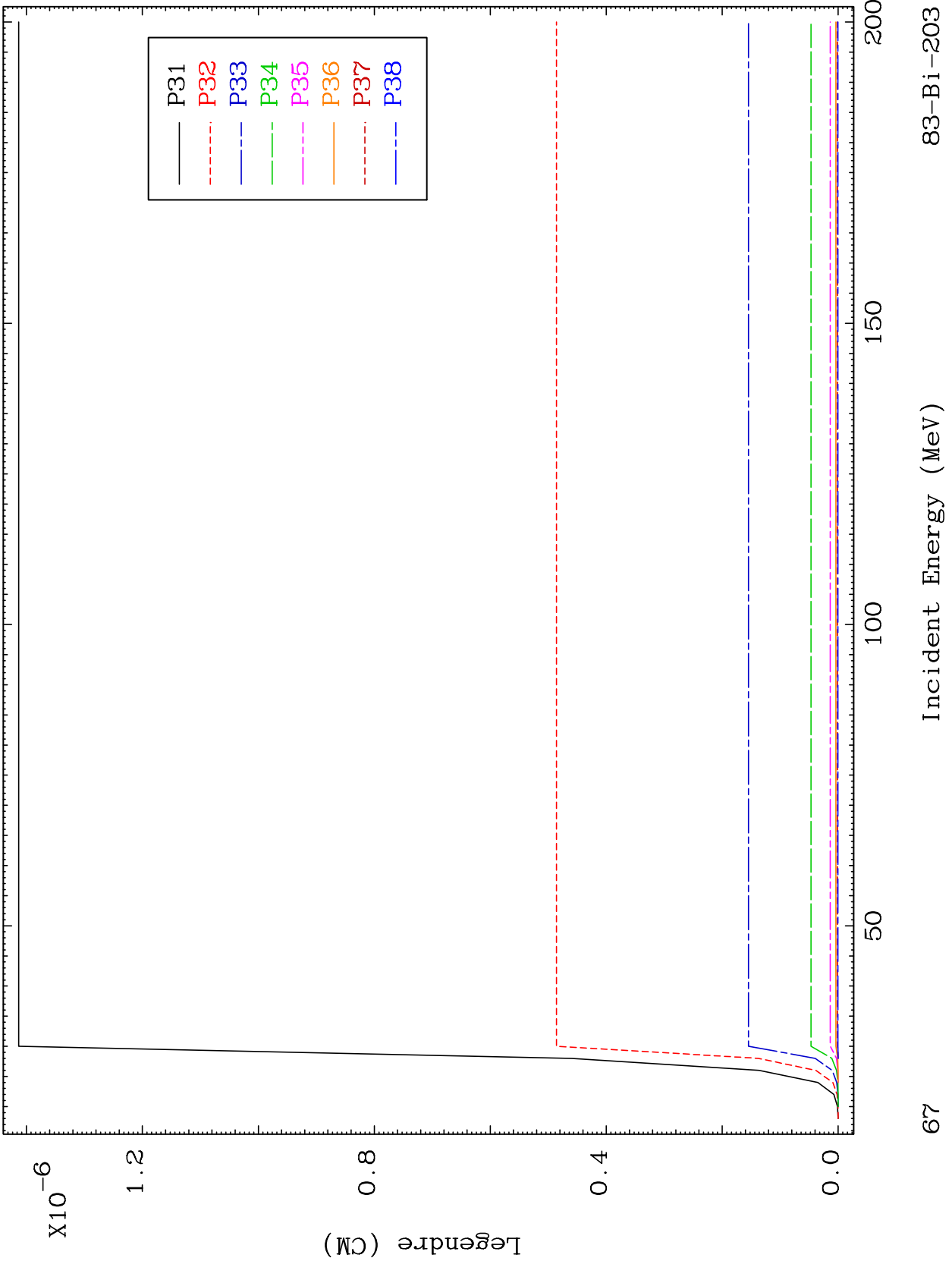
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

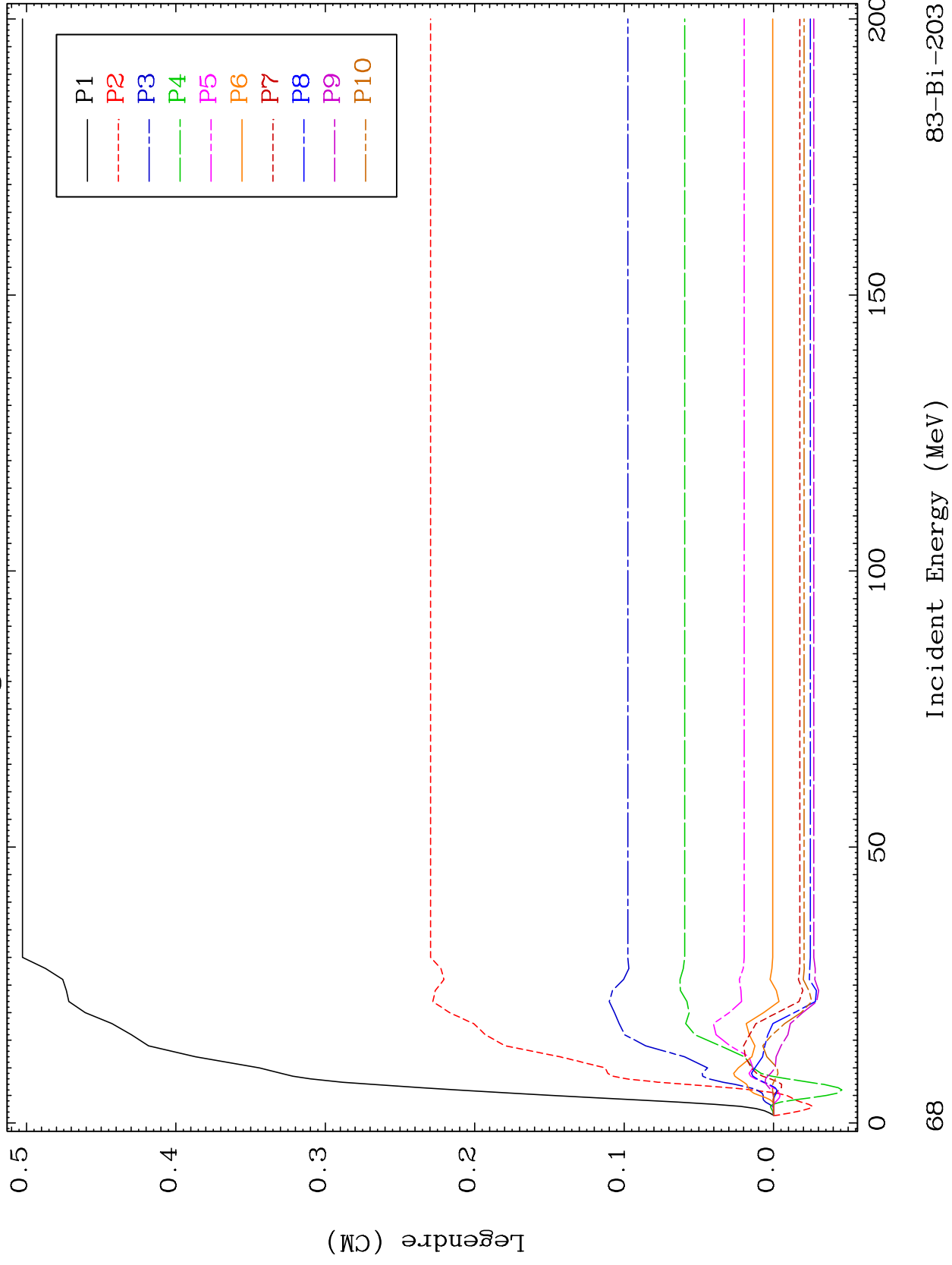
83-Bi-203



MAT 8307

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

83-Bi-203



83-Bi-203

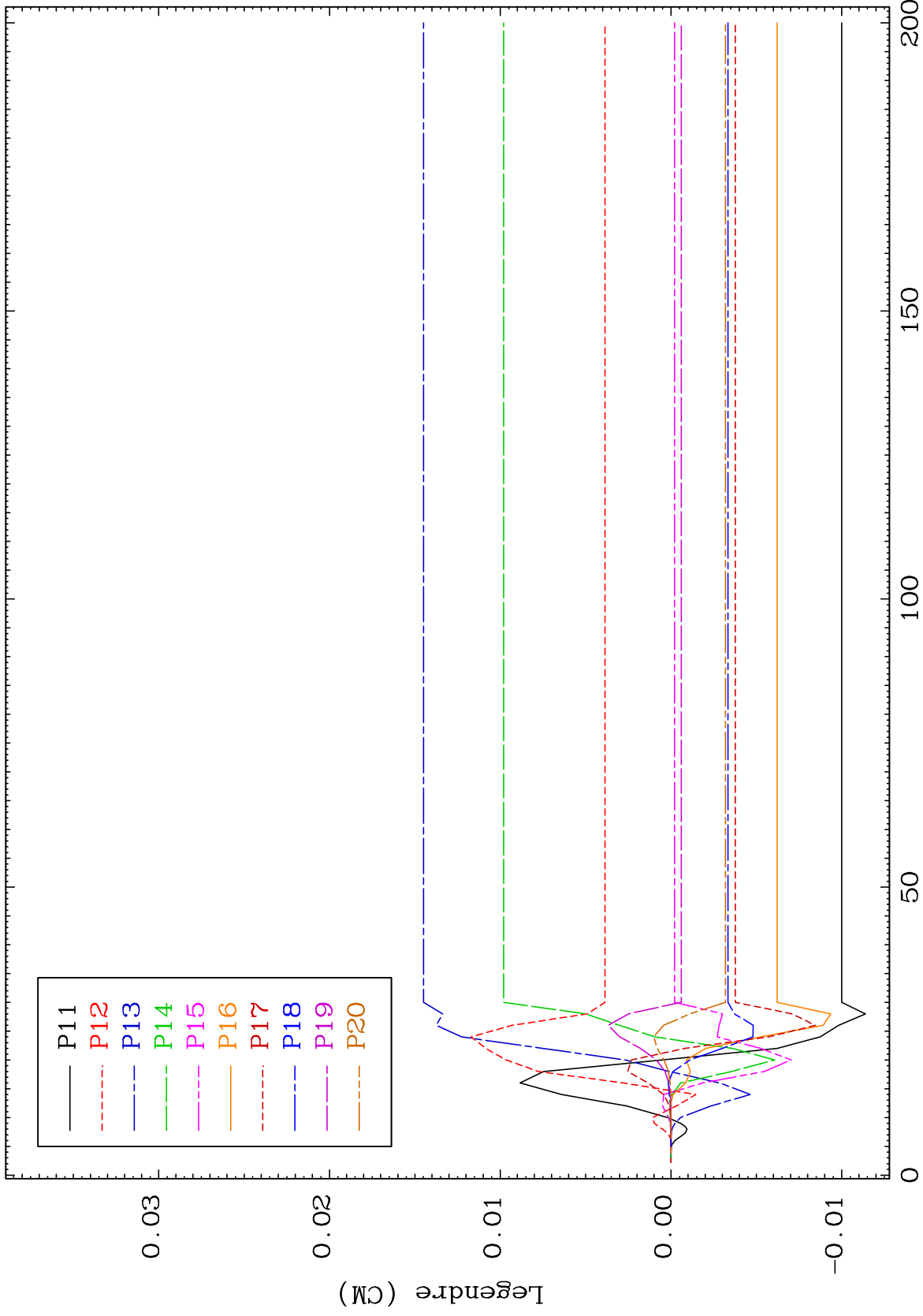
Incident Energy (MeV)

68

MAT 8307

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

83-Bi-203



69

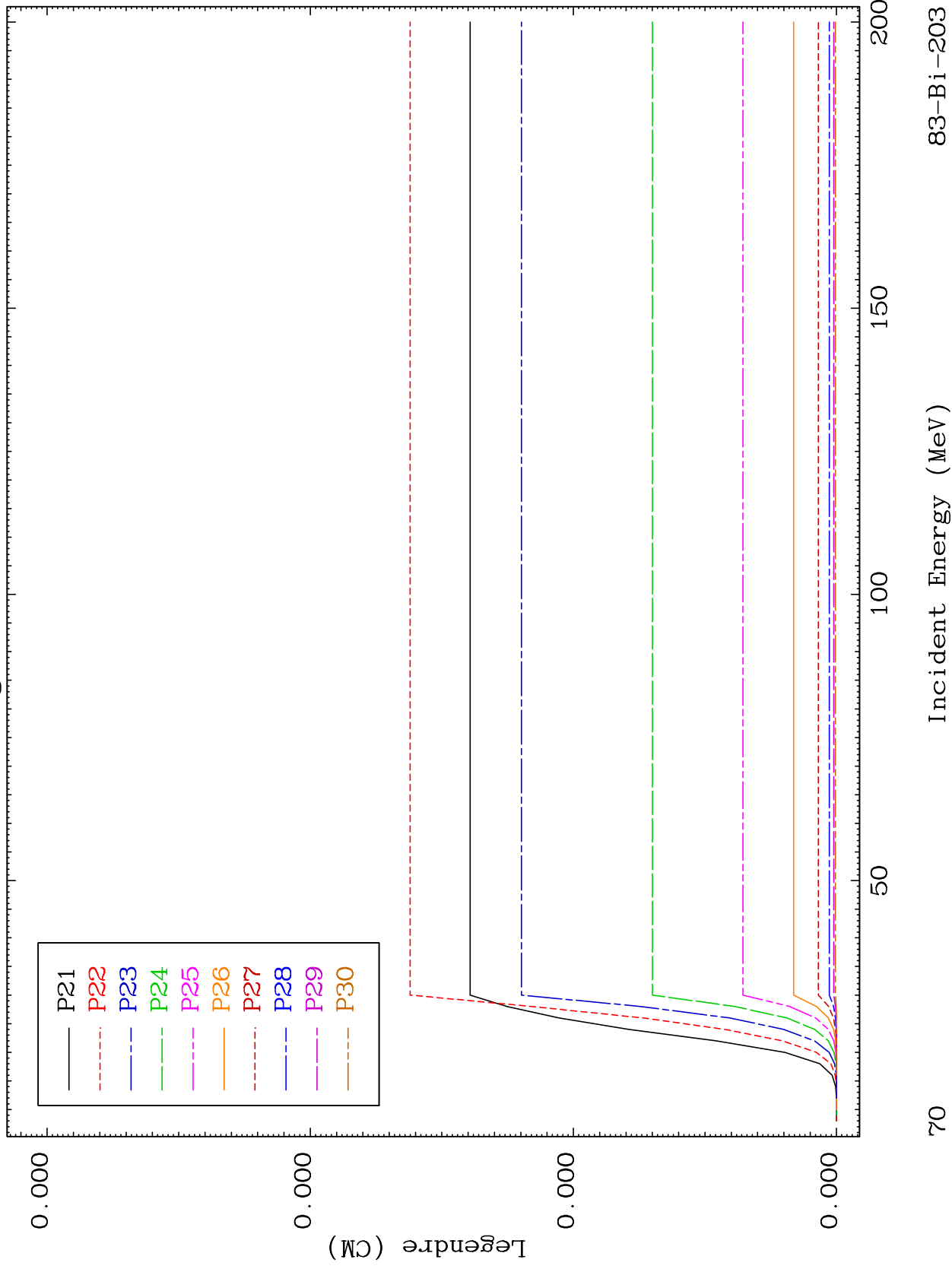
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



70

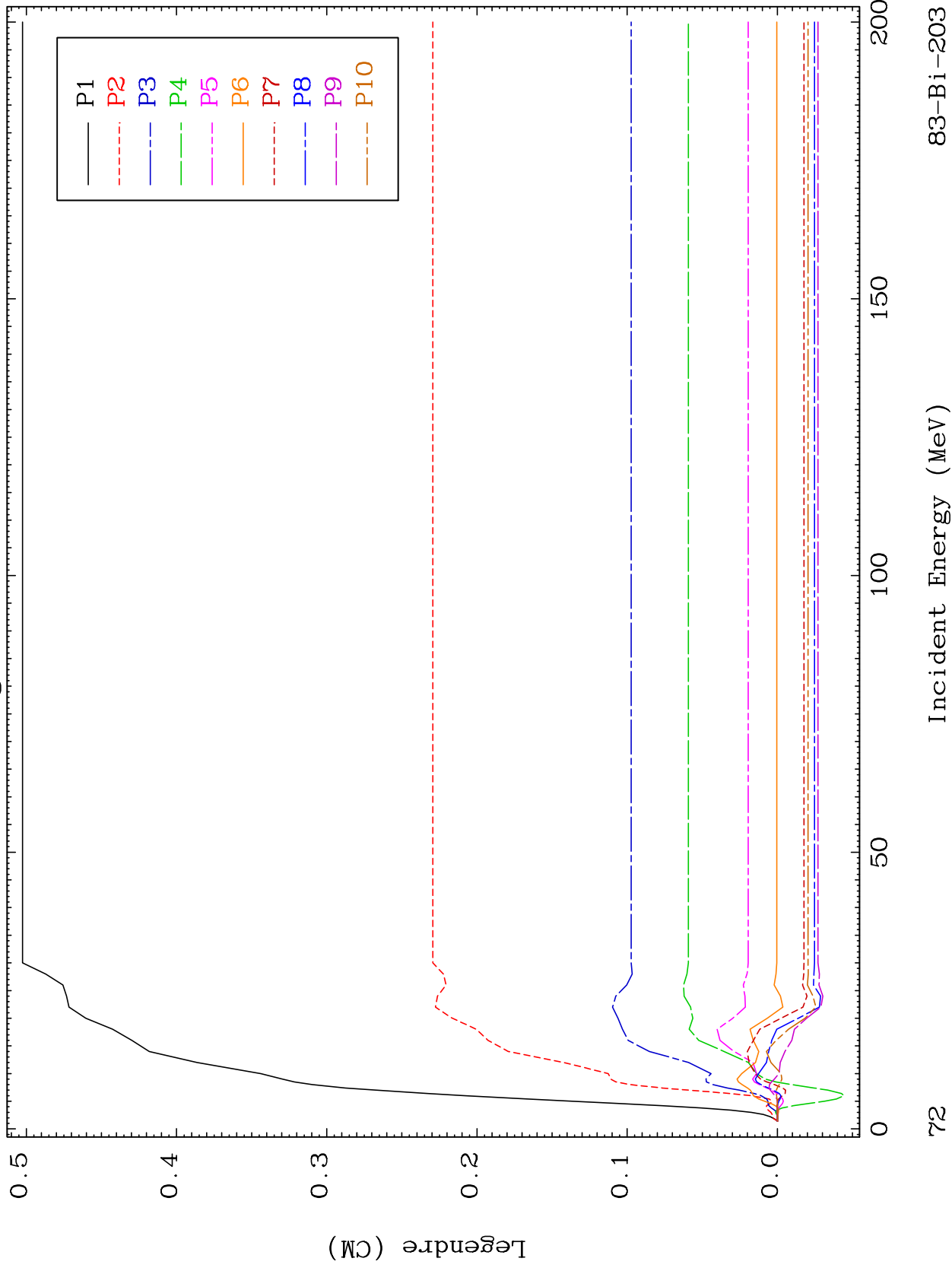
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

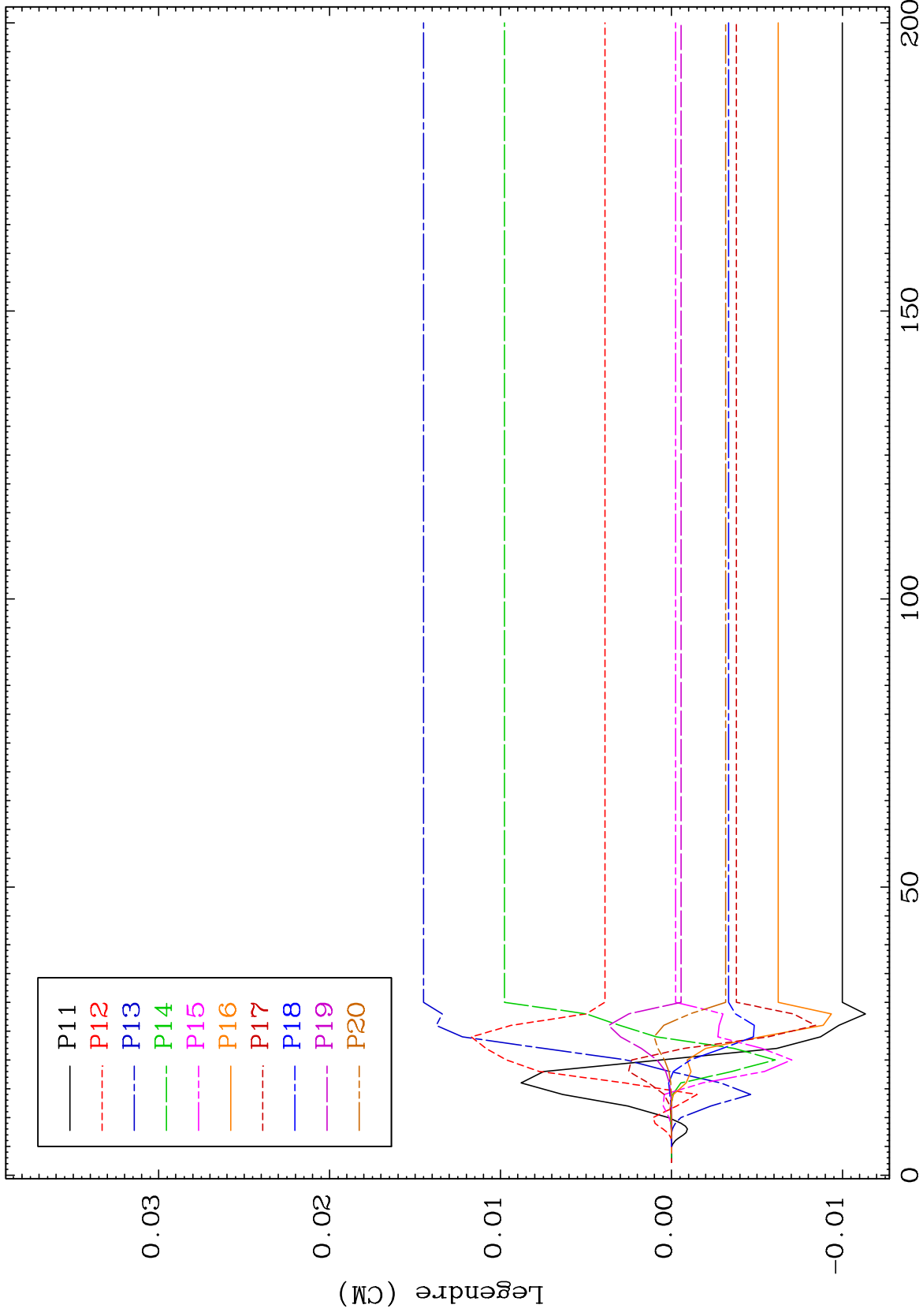
83-Bi-203



MAT 8307

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

83-Bi-203



73

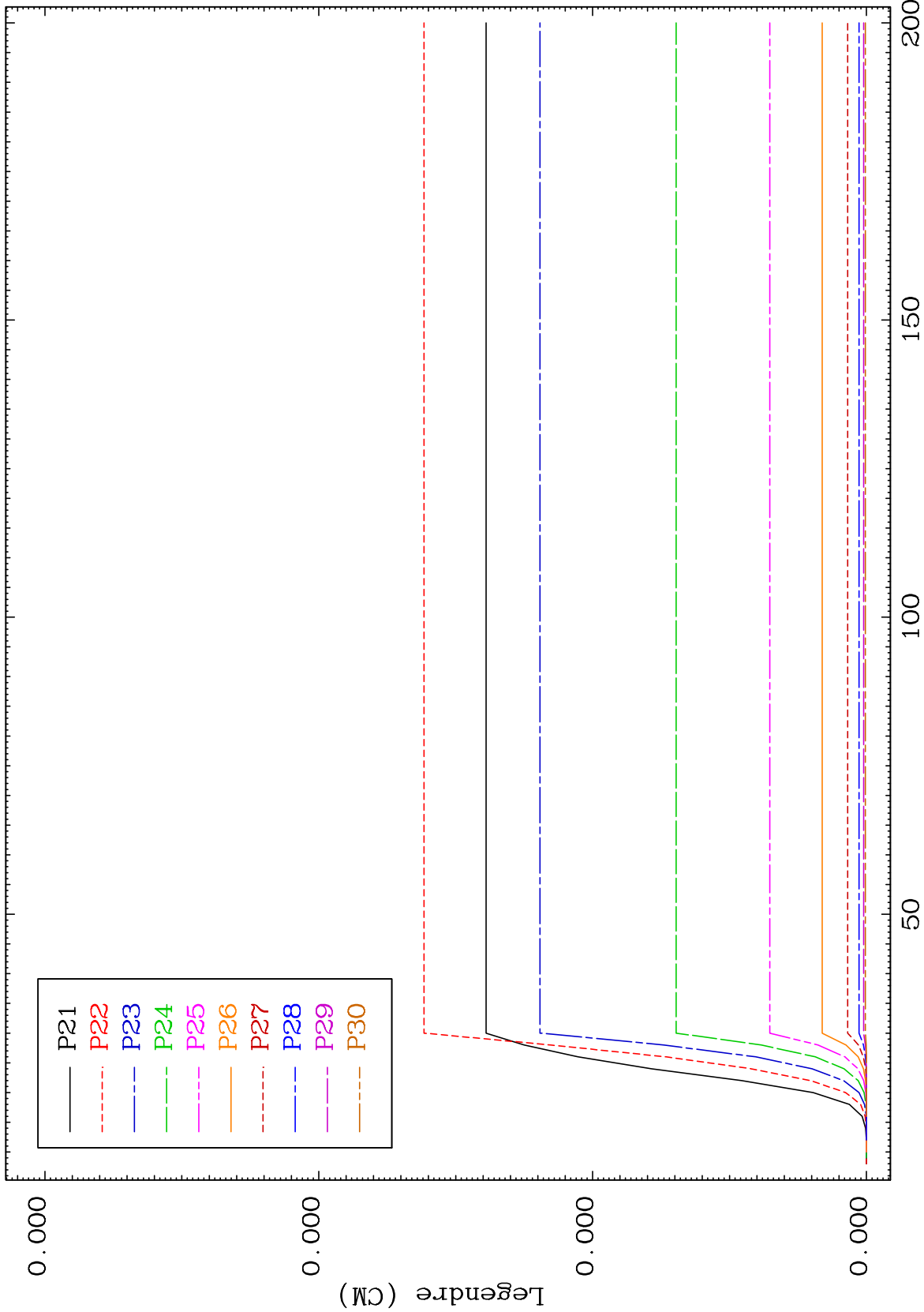
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



74

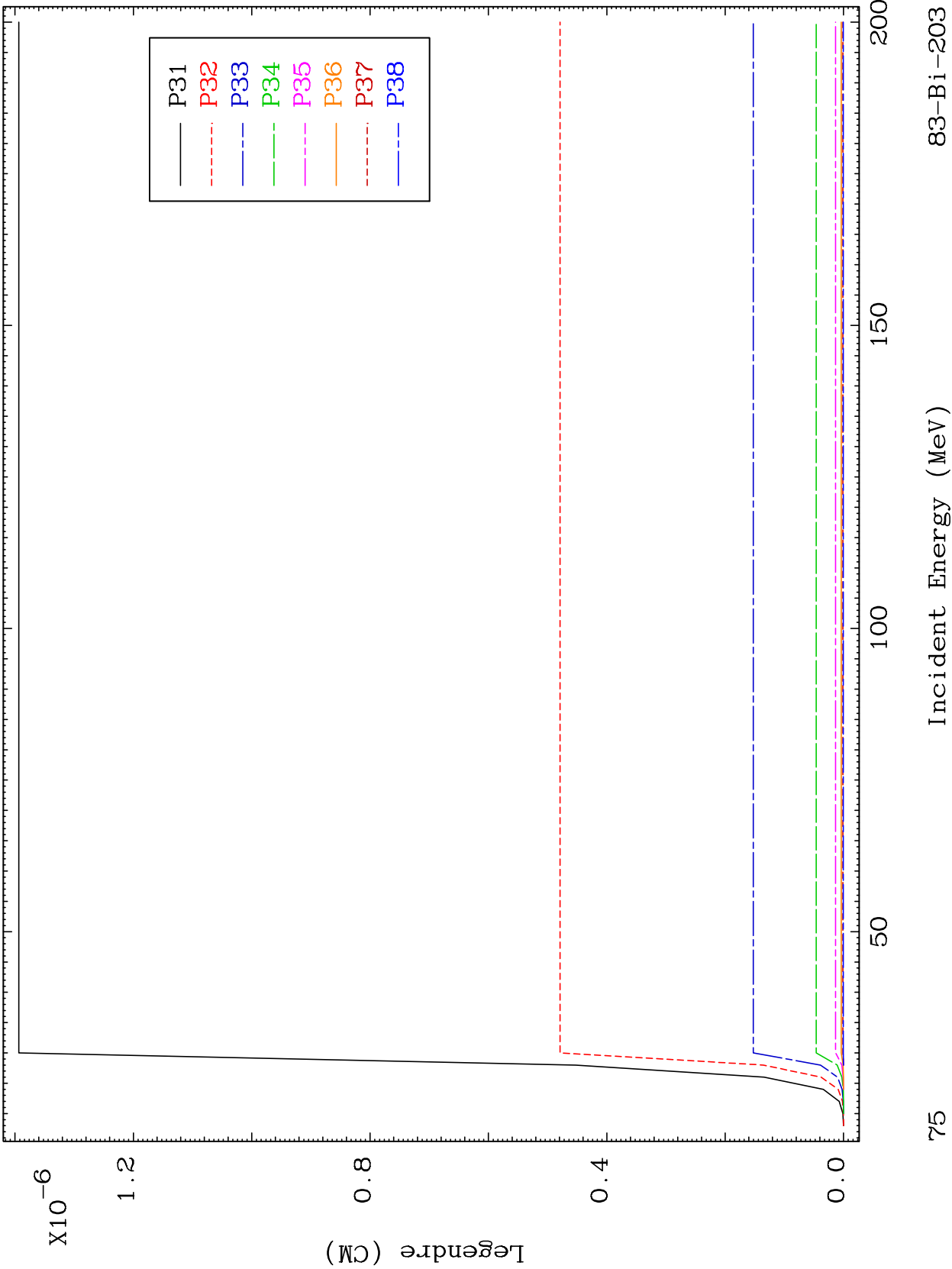
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

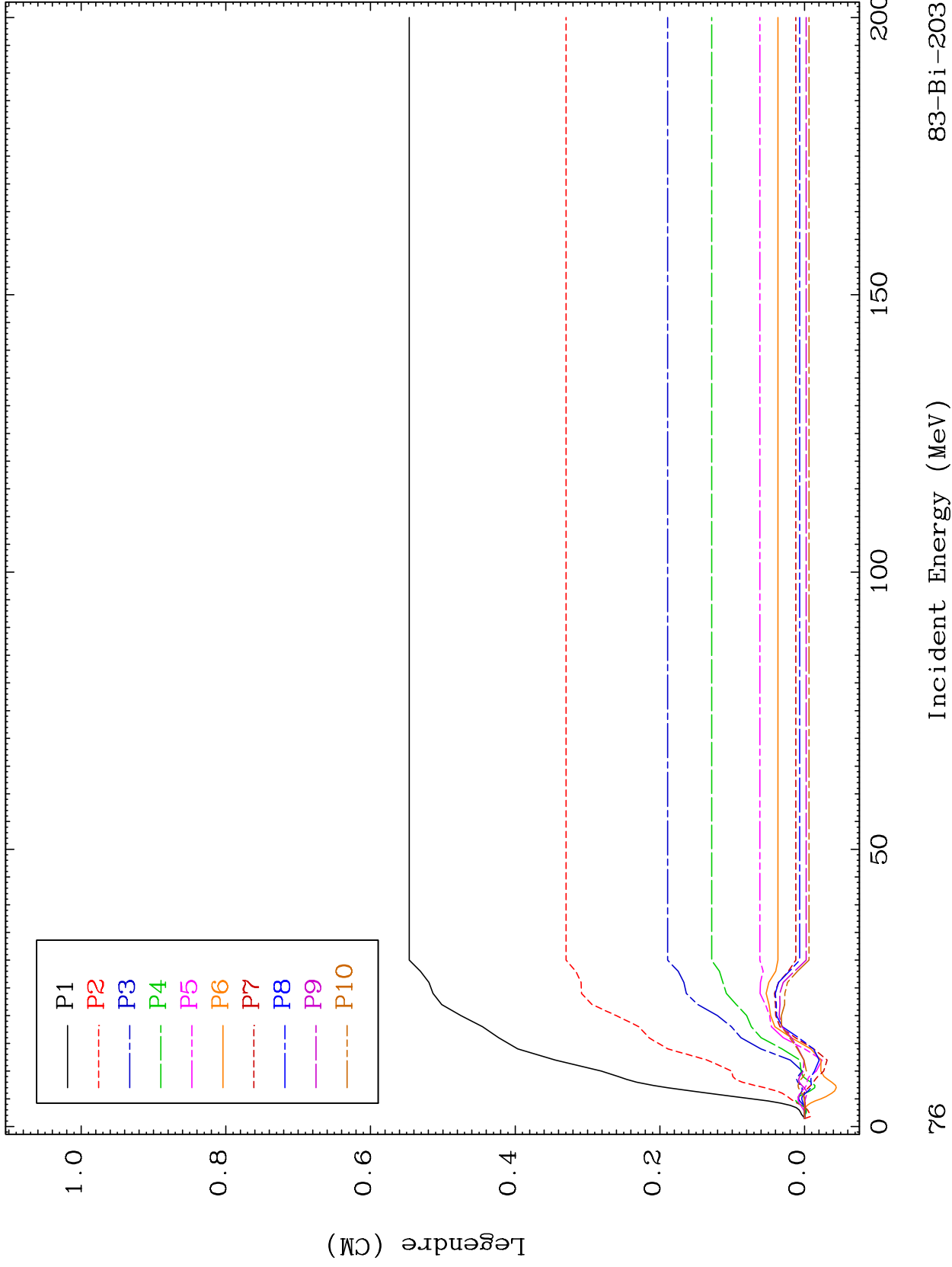
83-Bi-203



MAT 8307

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

83-Bi-203



83-Bi-203

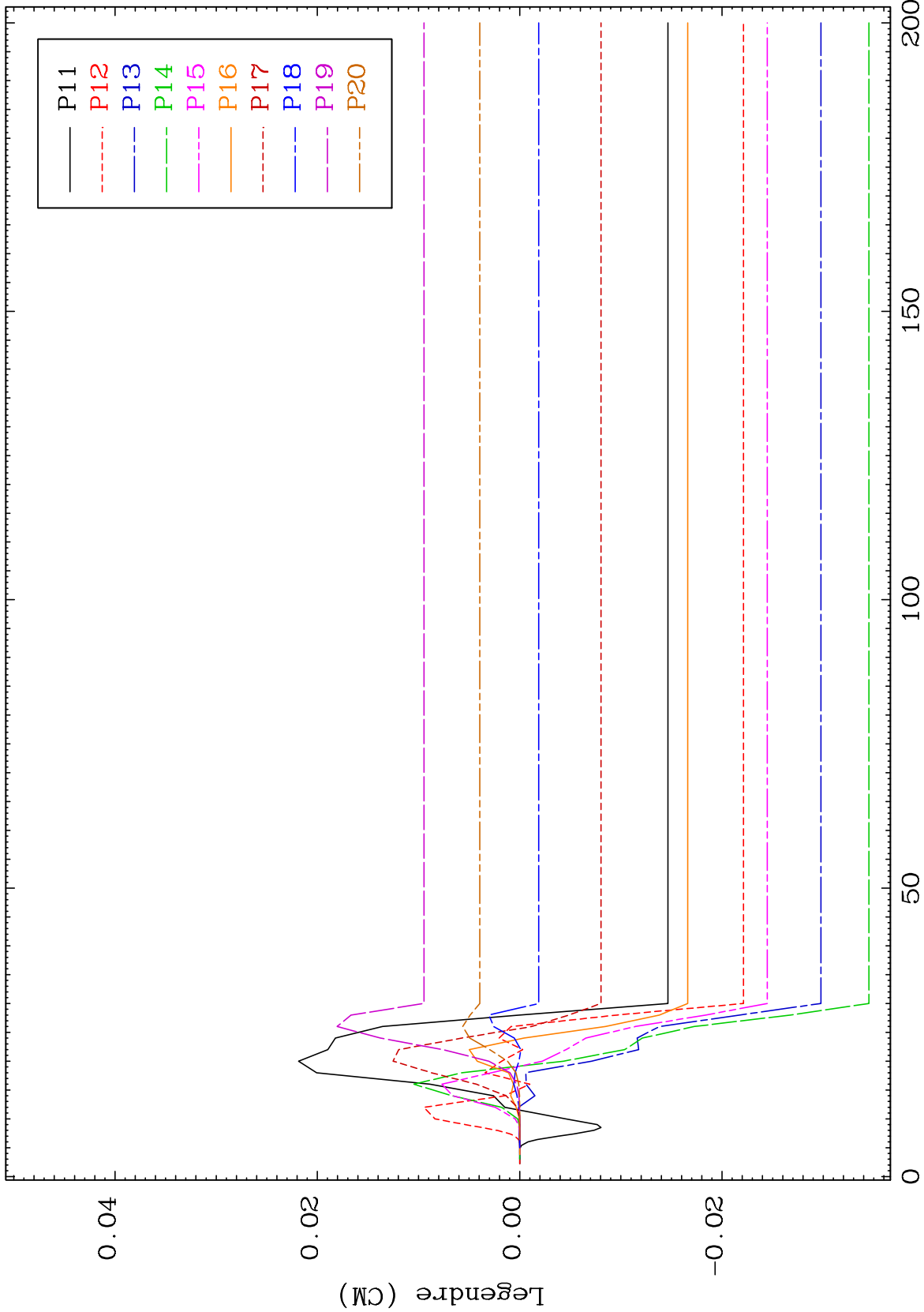
Incident Energy (MeV)

76

MAT 8307

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

83-Bi-203



77

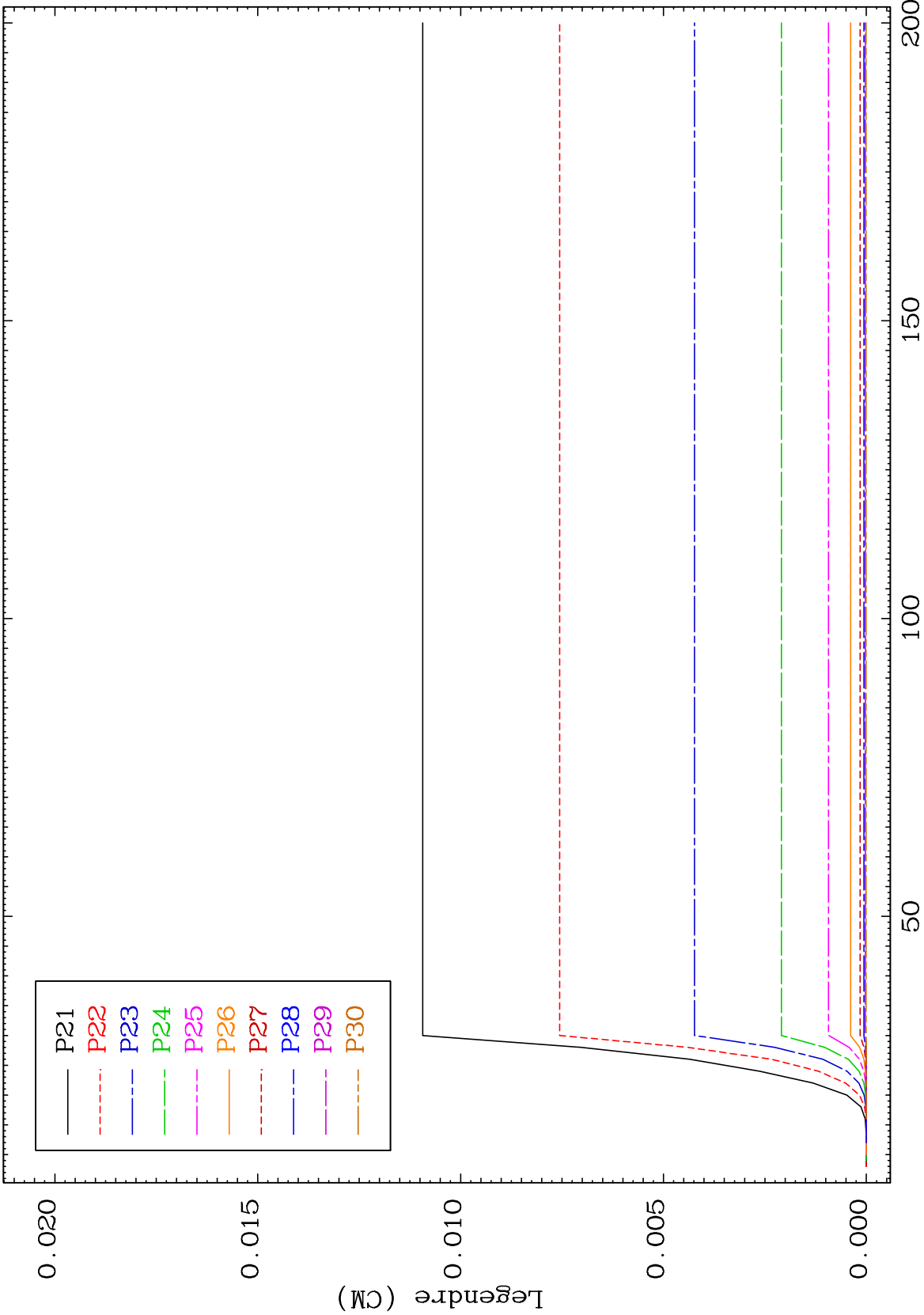
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



78

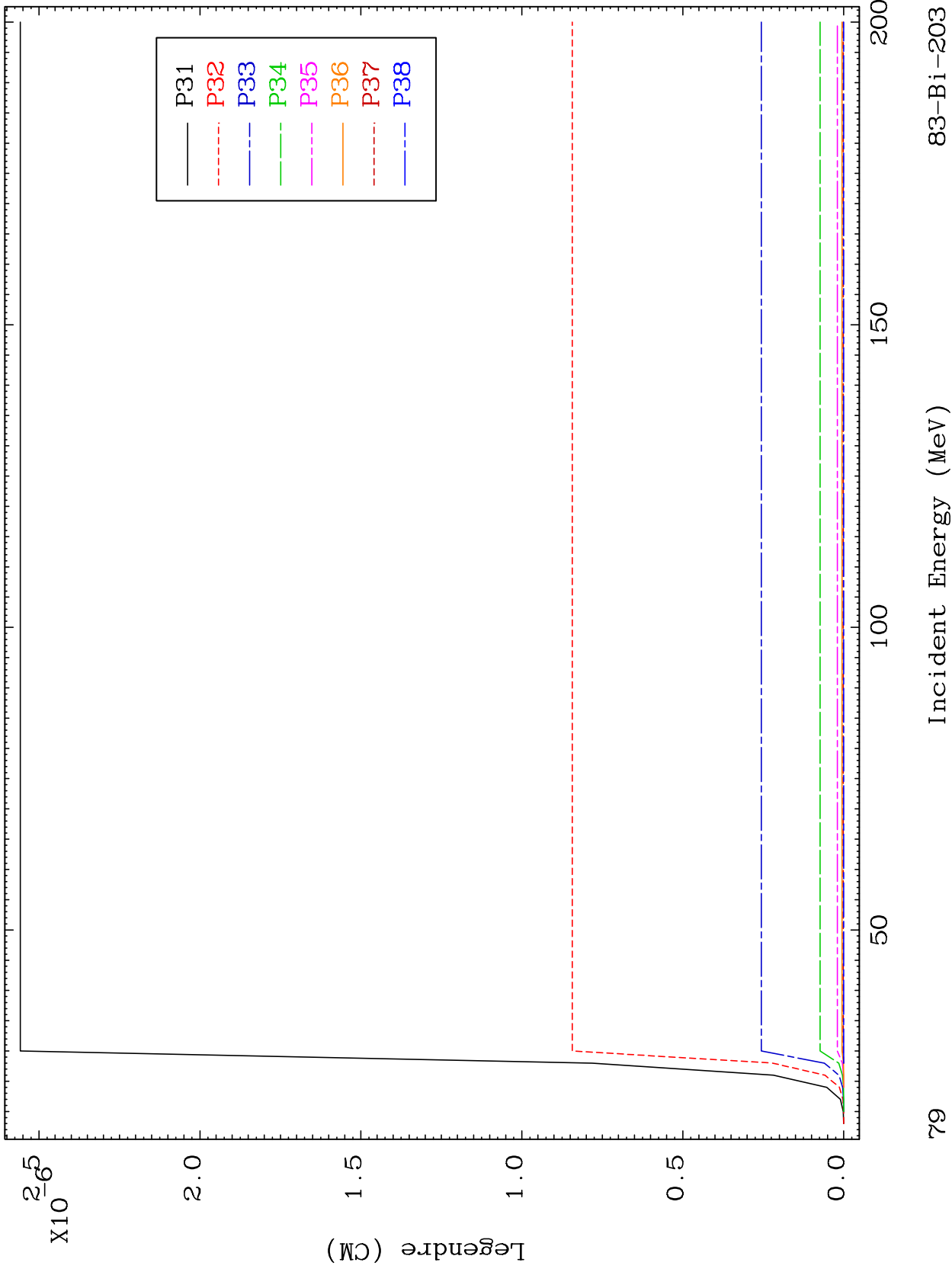
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



79

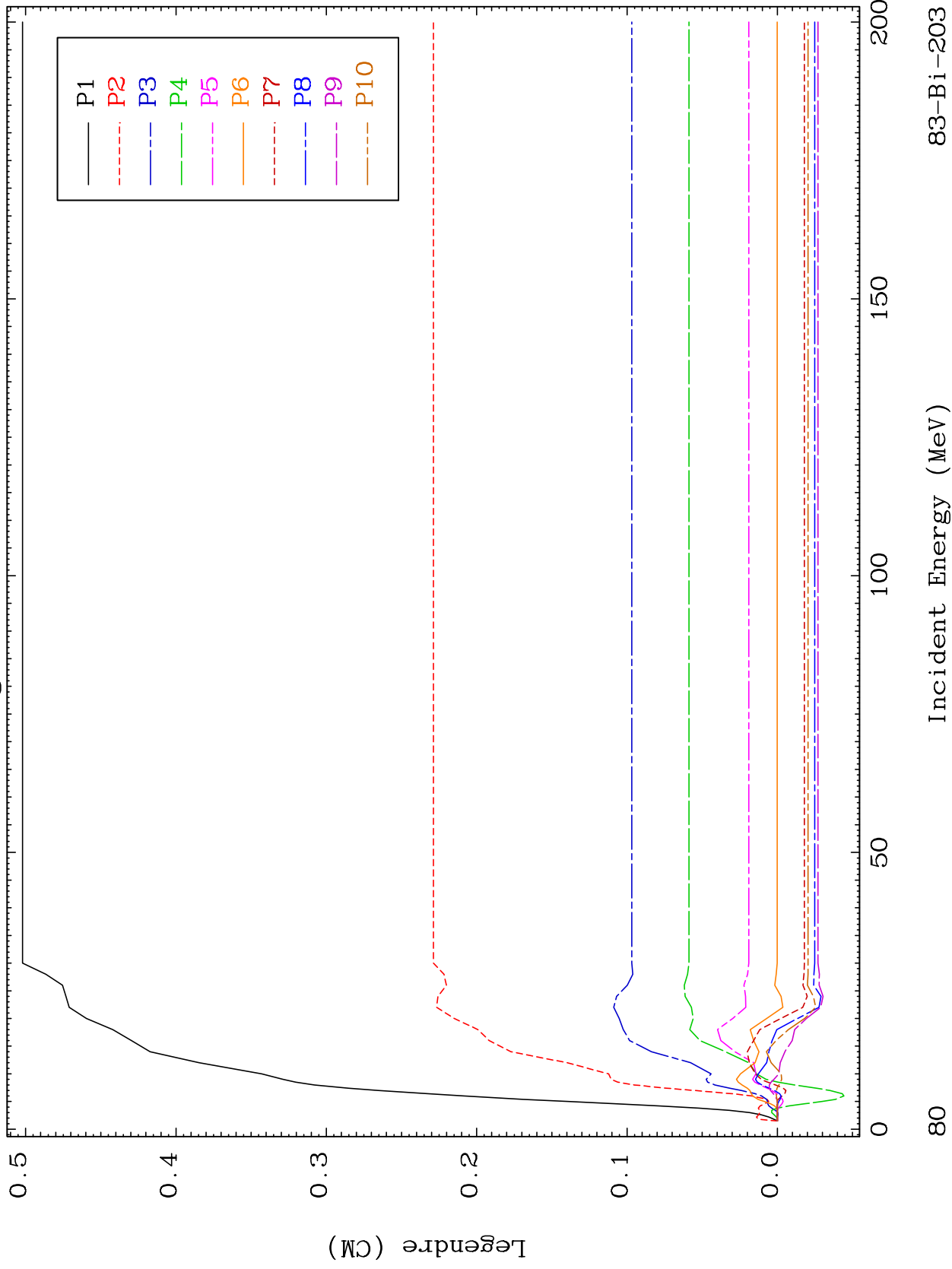
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

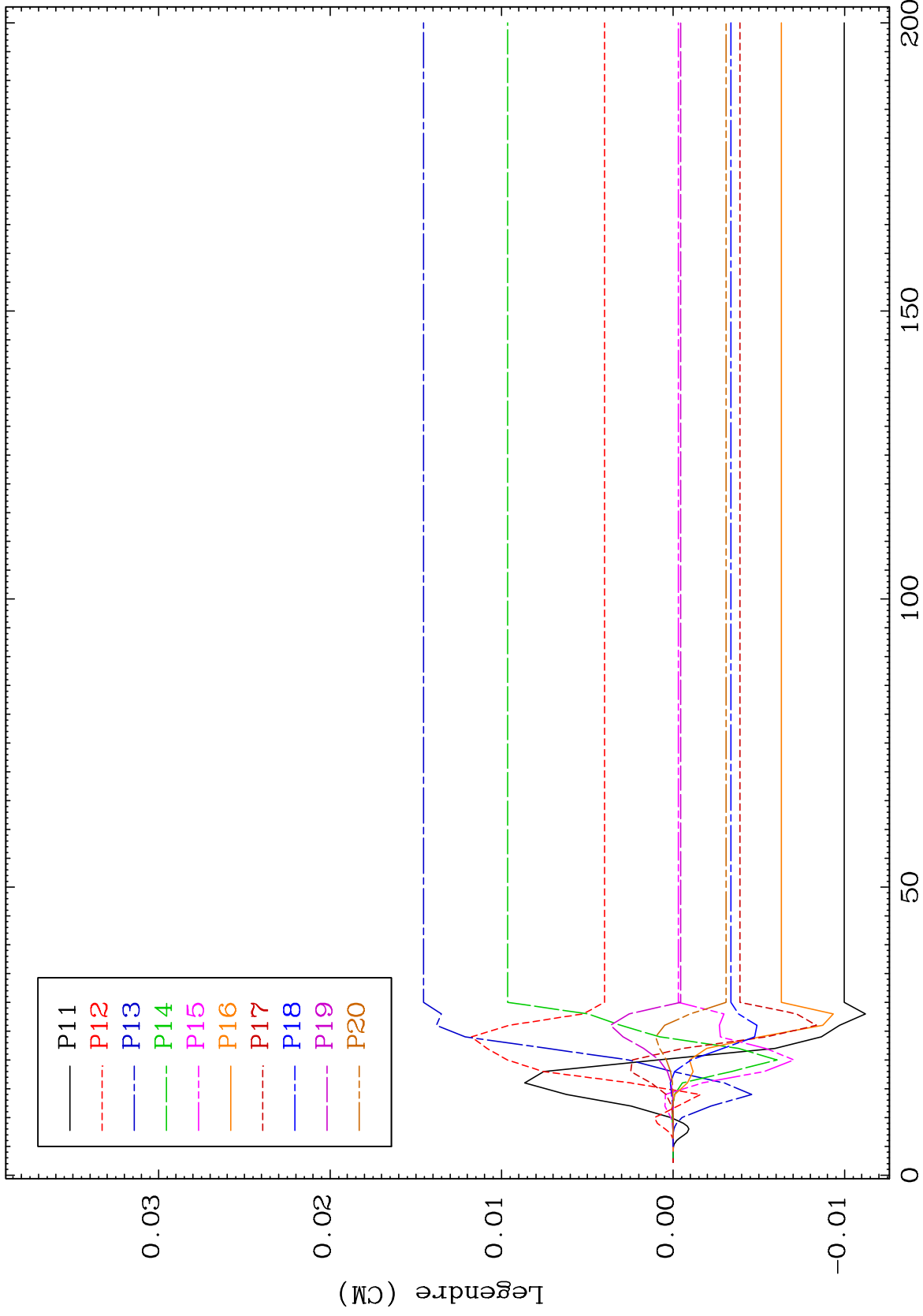
83-Bi-203



MAT 8307

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

83-Bi-203



81

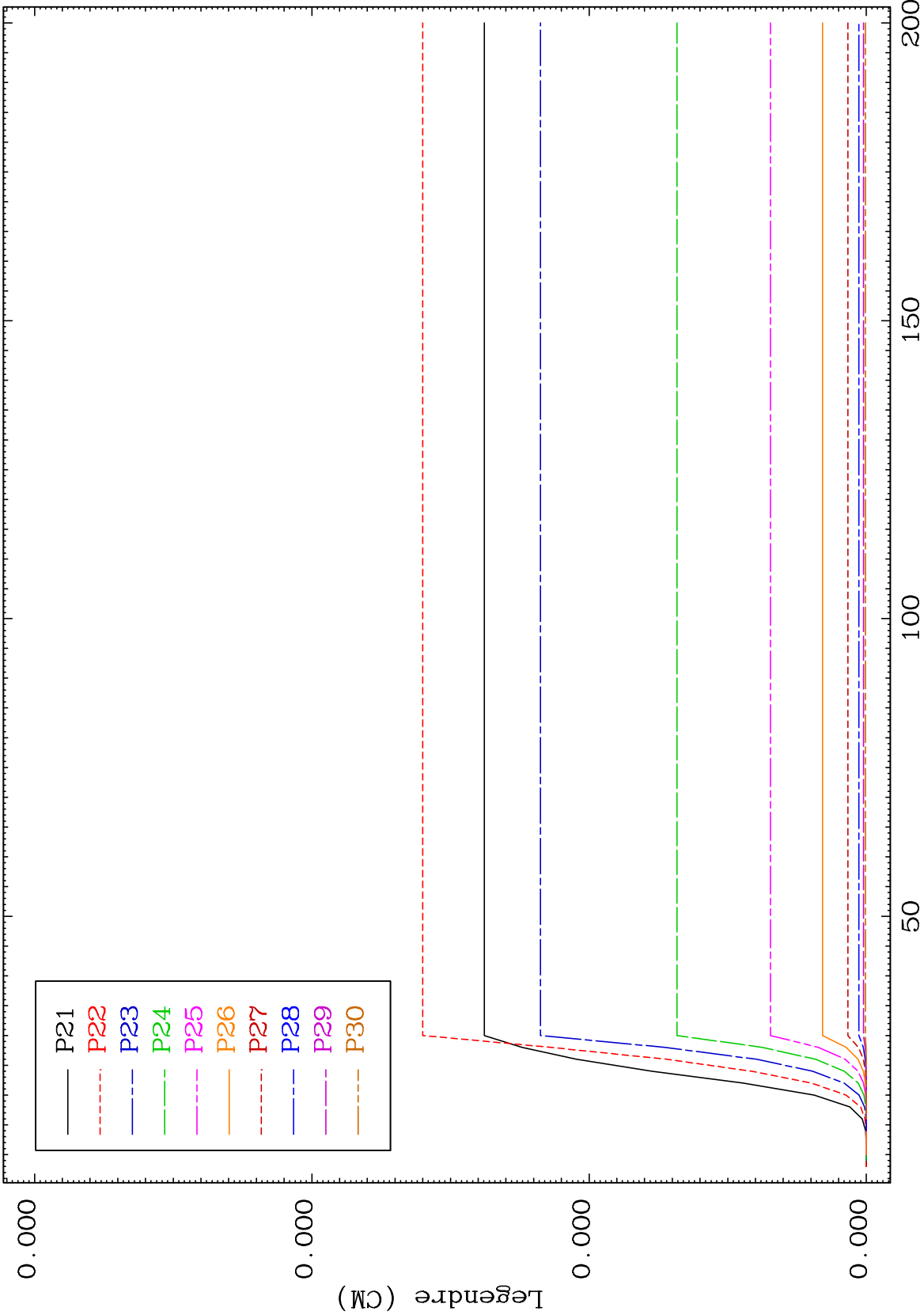
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



82

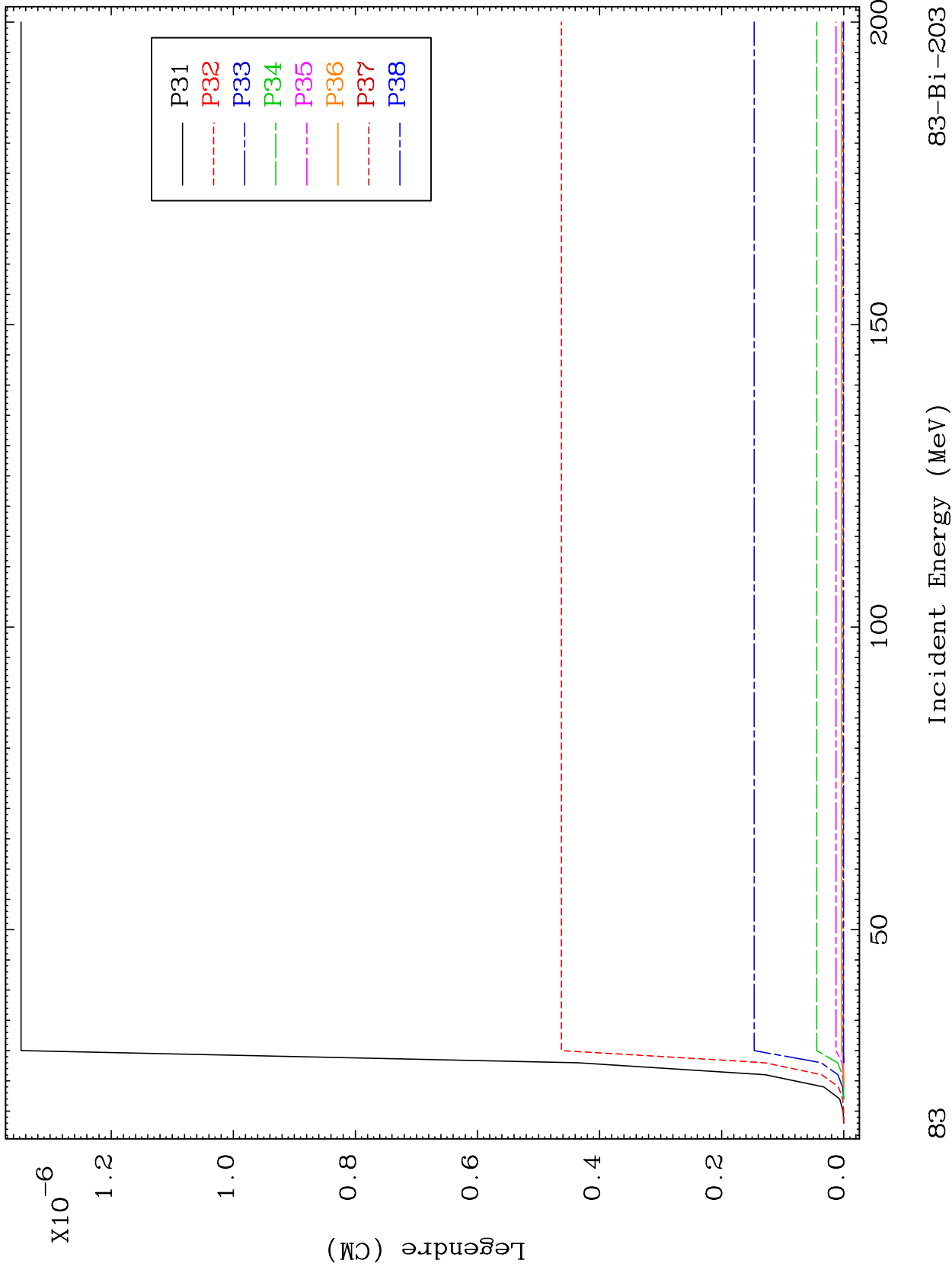
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

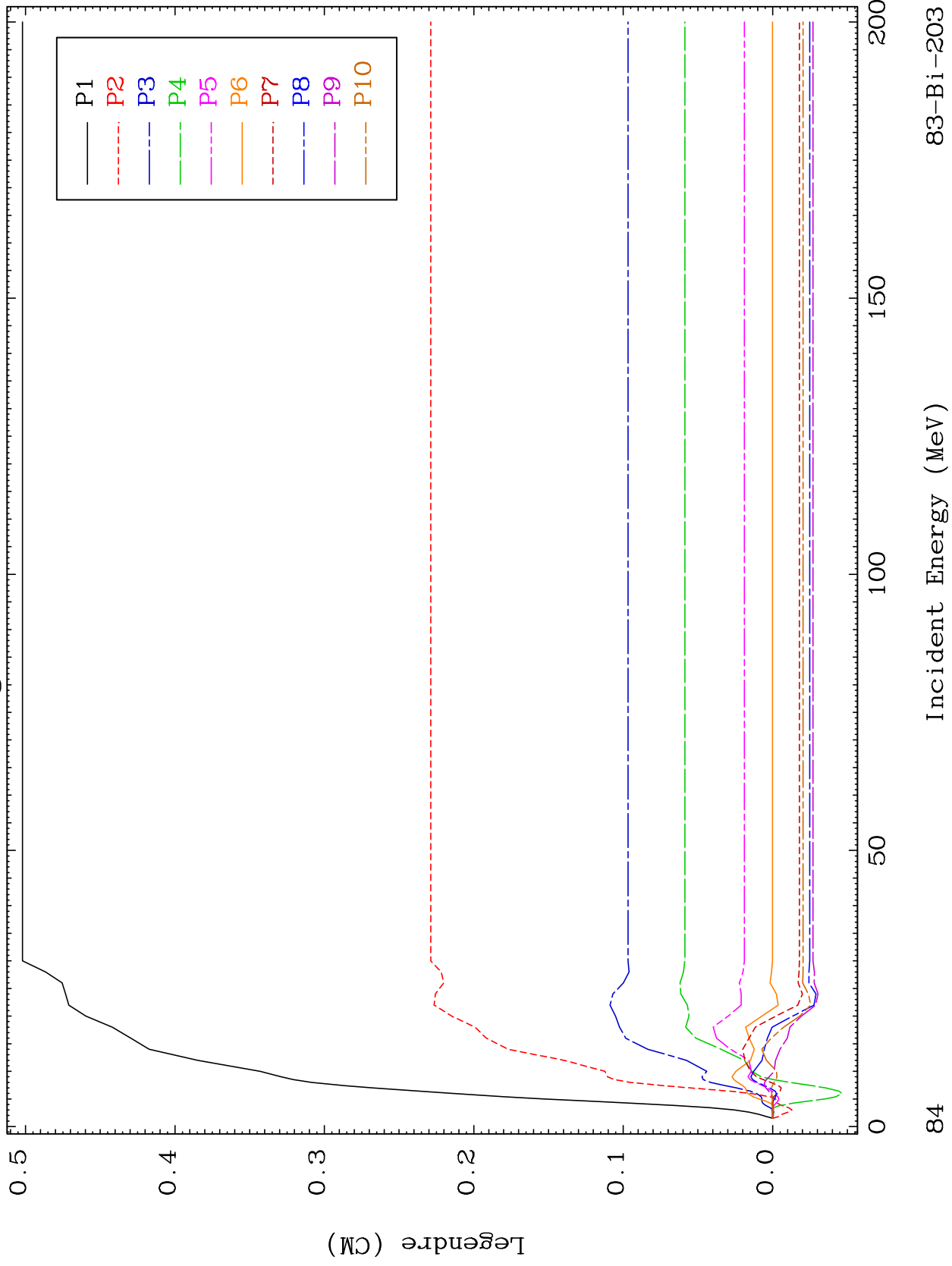
83-Bi-203



MAT 8307

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

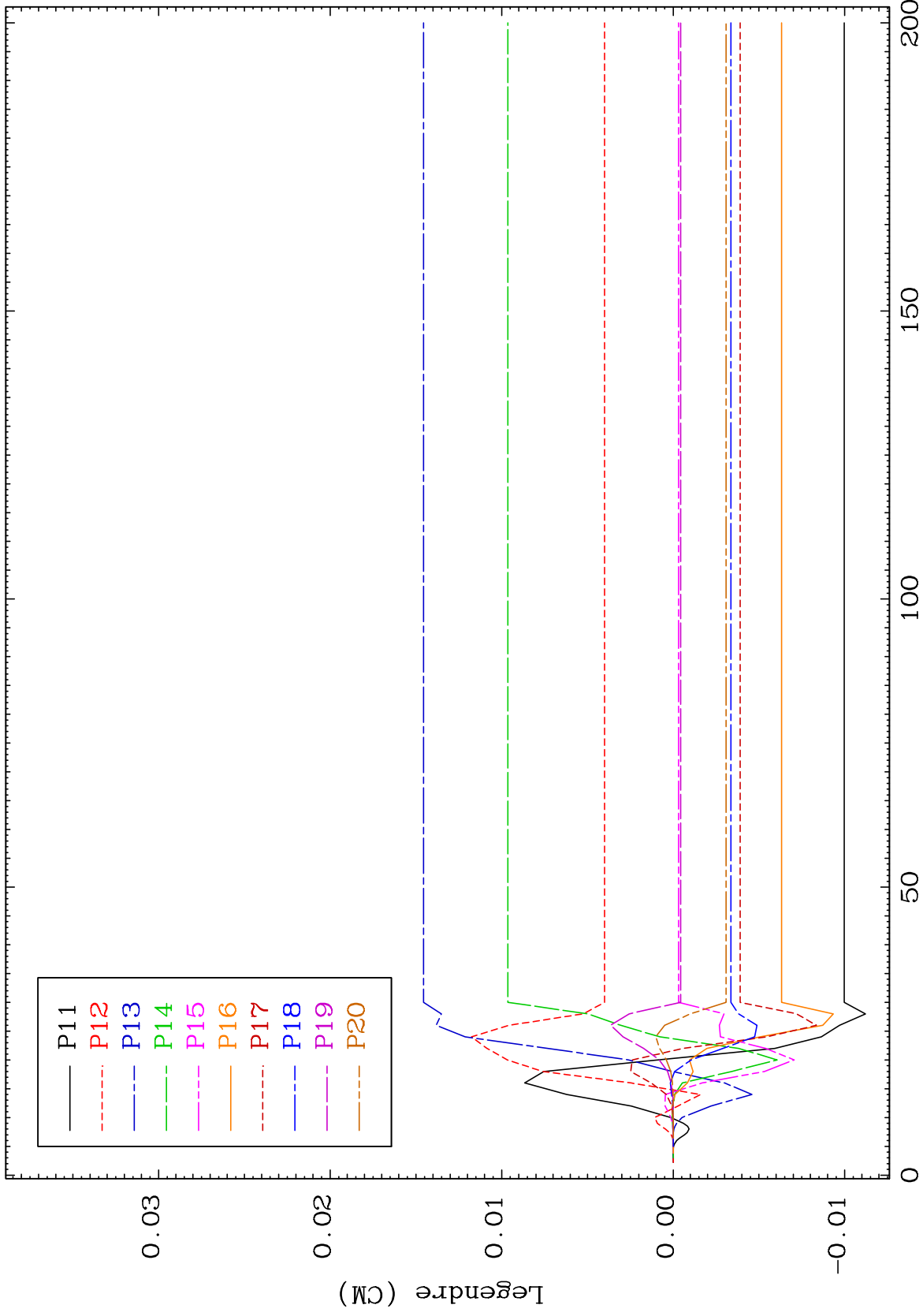
83-Bi-203



MAT 8307

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

83-Bi-203



85

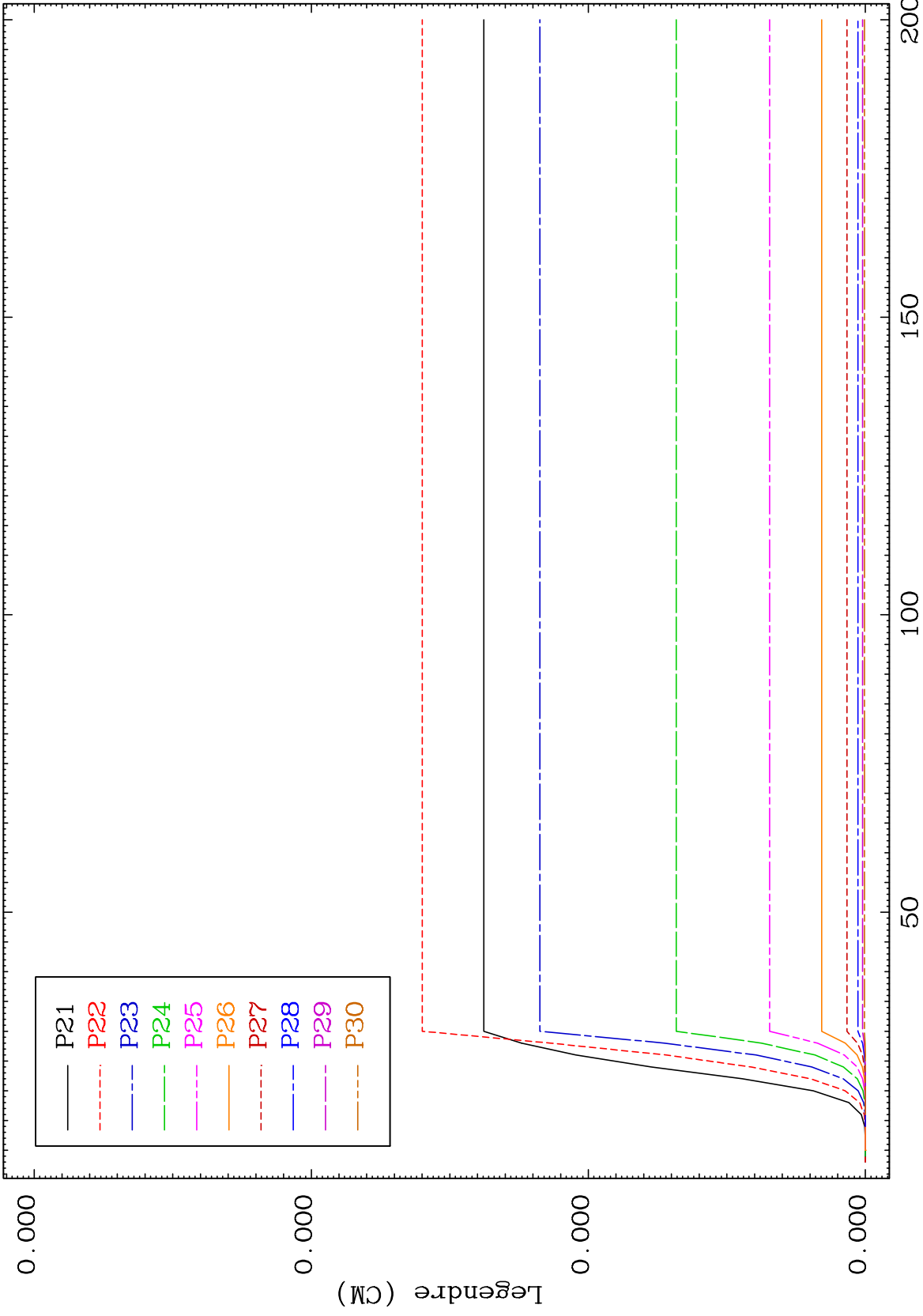
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



86

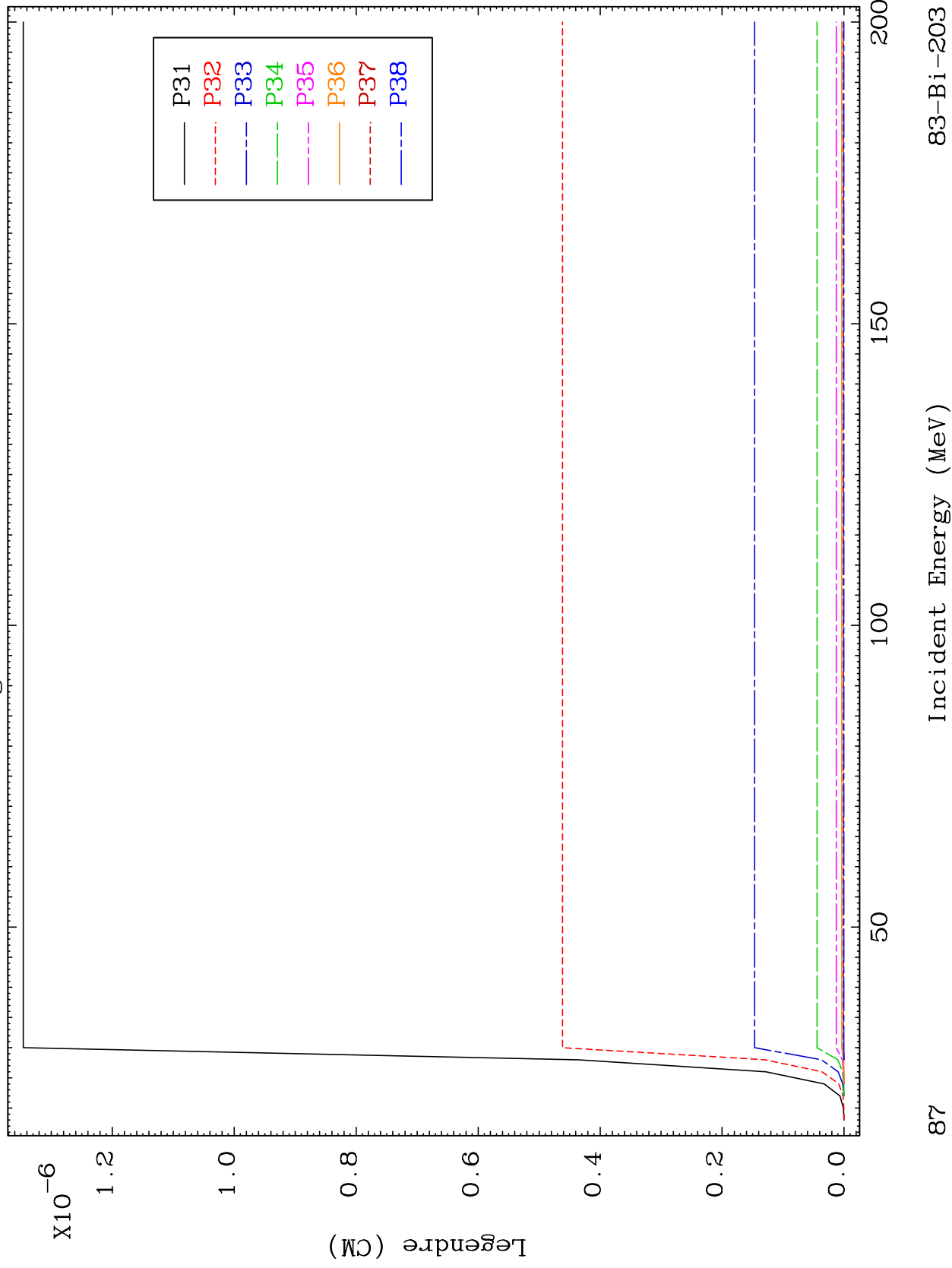
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

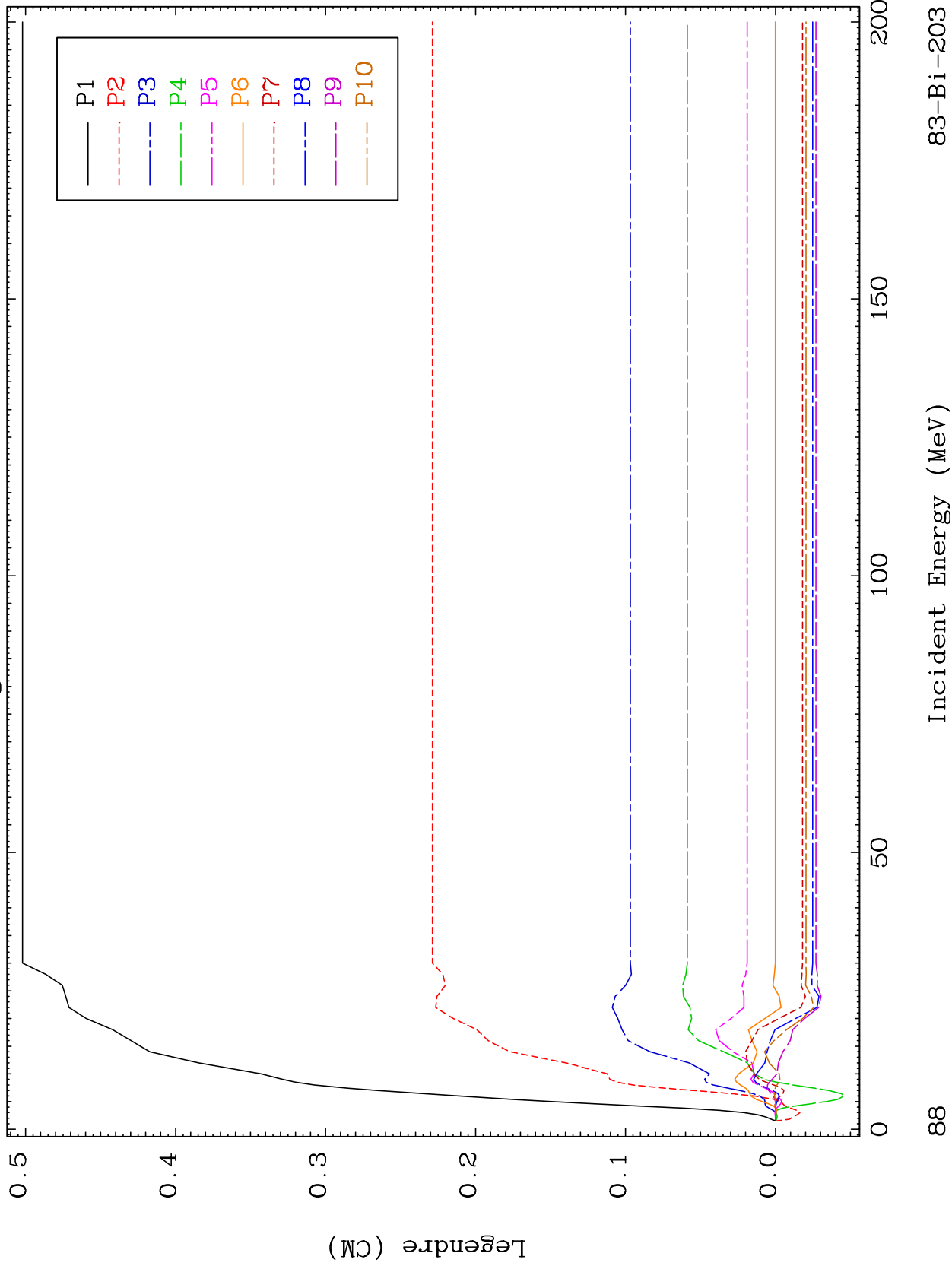
83-Bi-203



MAT 8307

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

83-Bi-203



83-Bi-203

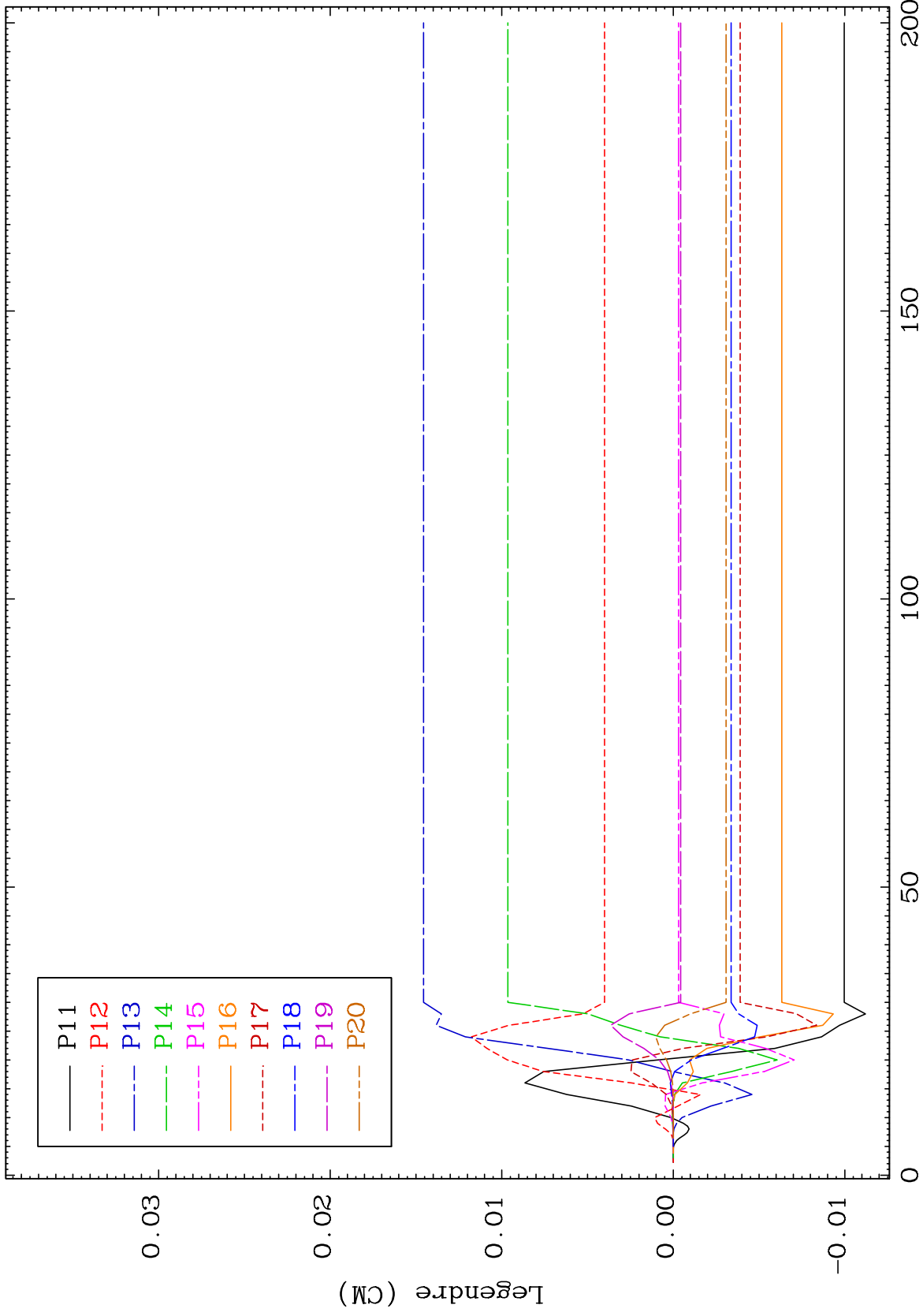
Incident Energy (MeV)

88

MAT 8307

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

83-Bi-203



89

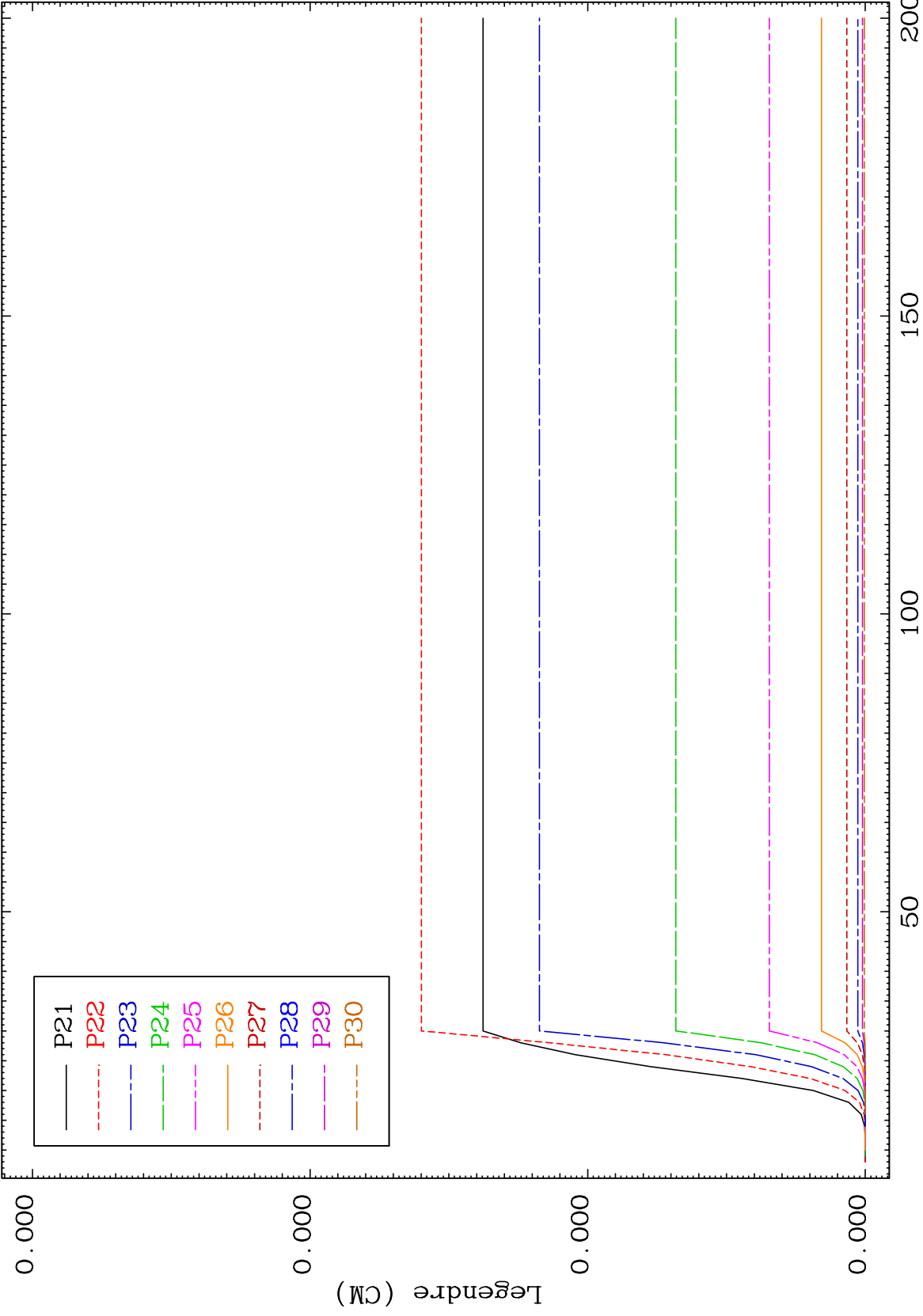
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



90

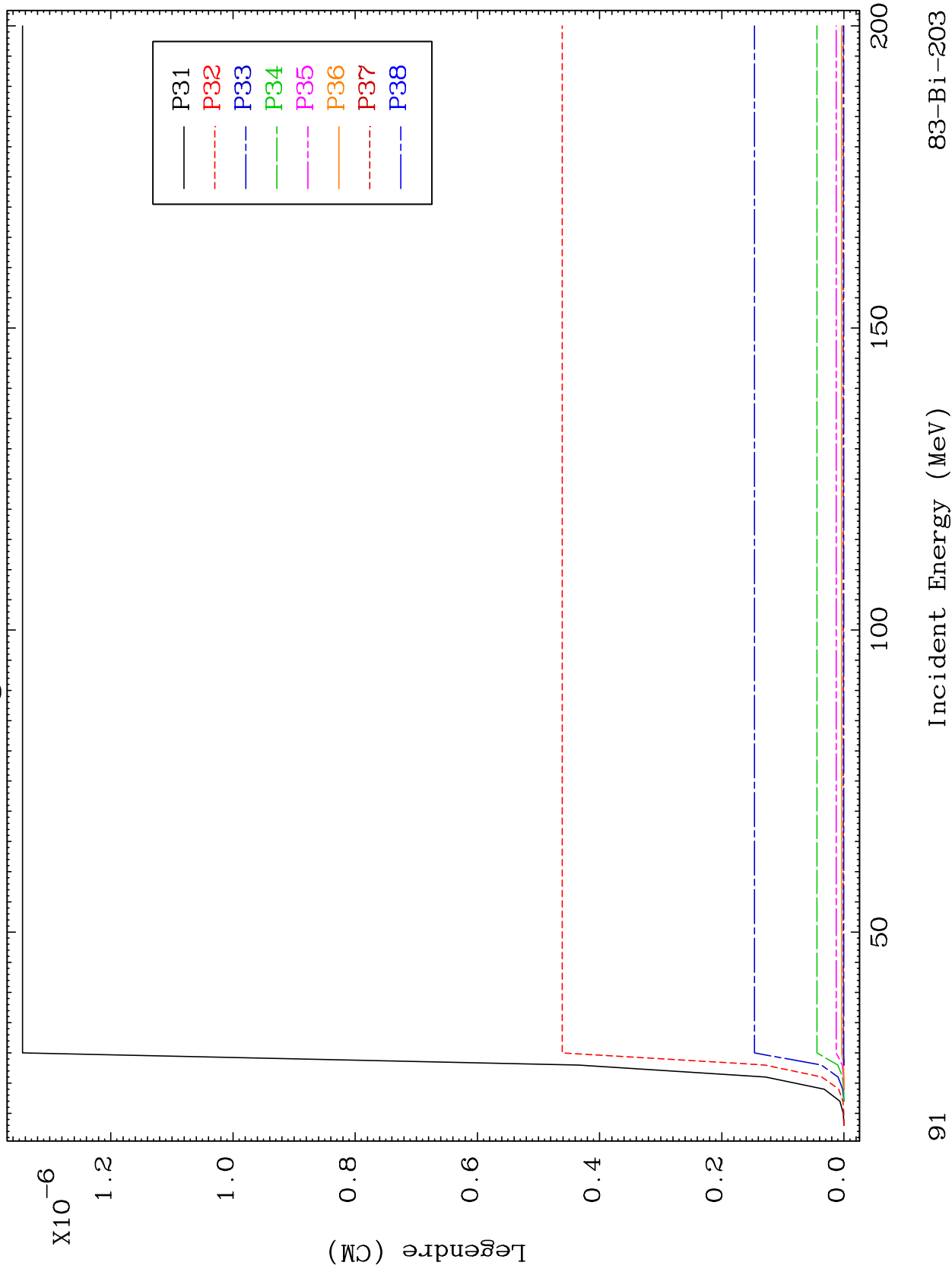
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

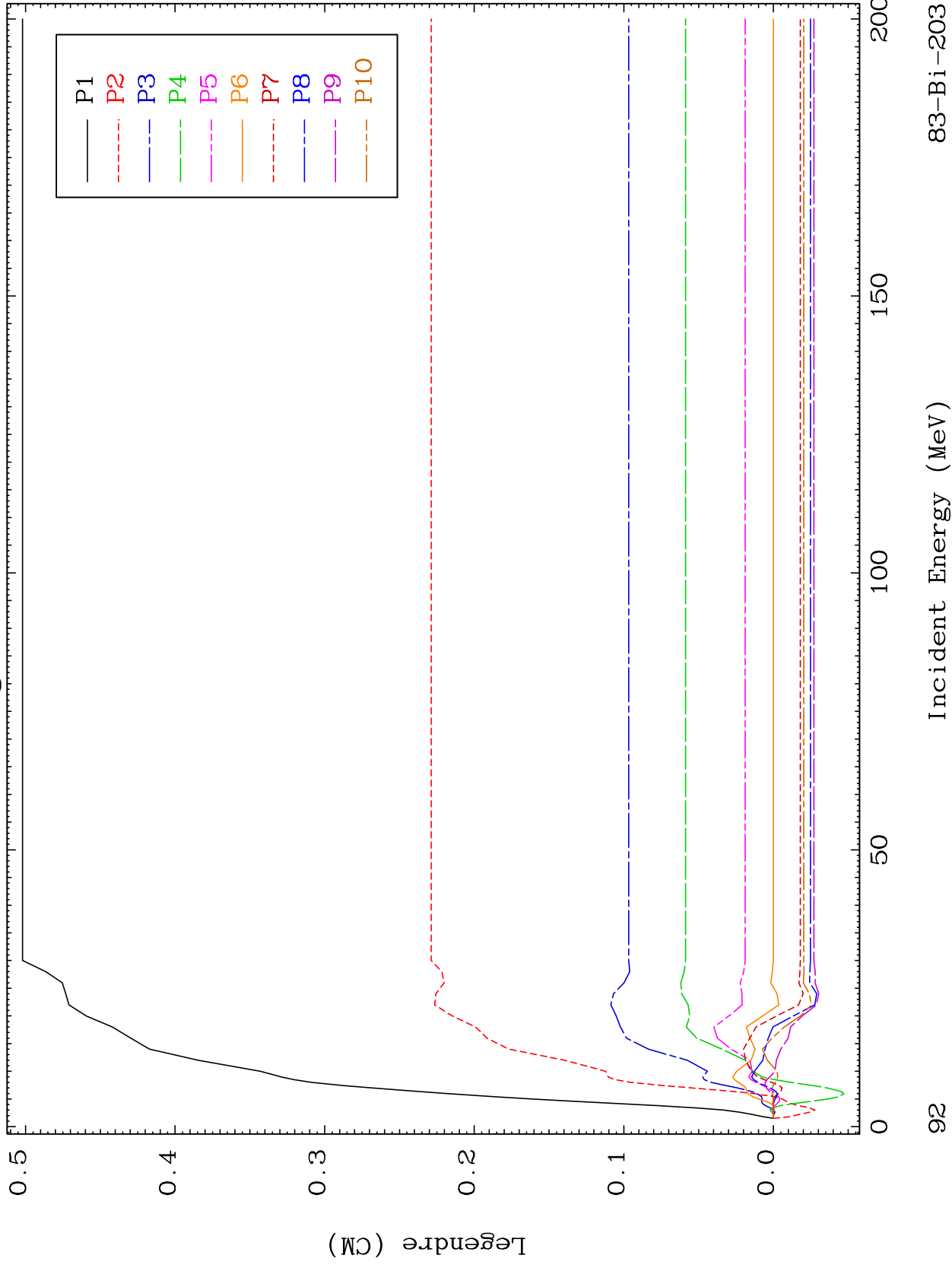
83-Bi-203



MAT 8307

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

83-Bi-203



83-Bi-203

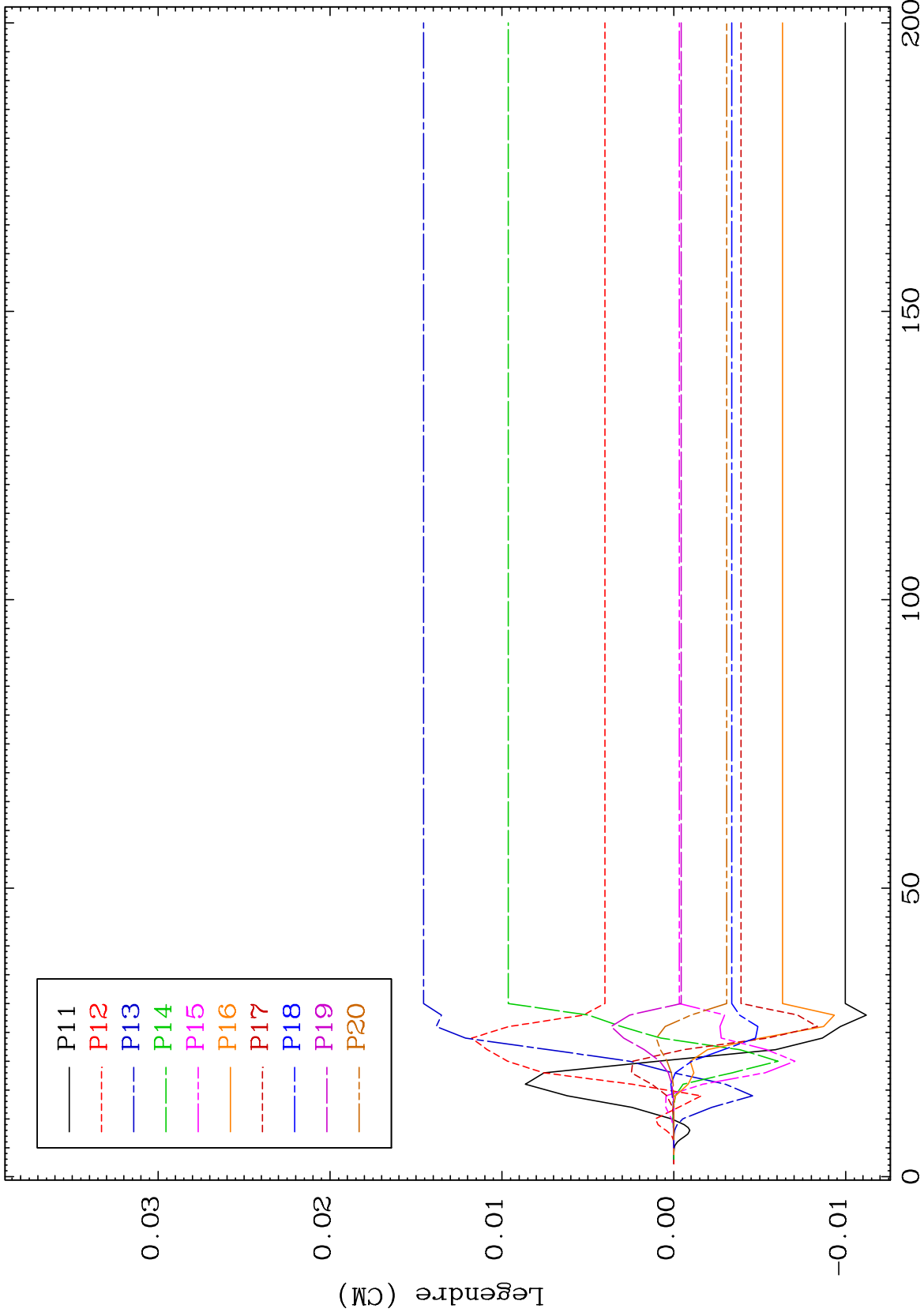
Incident Energy (MeV)

92

MAT 8307

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

83-Bi-203



93

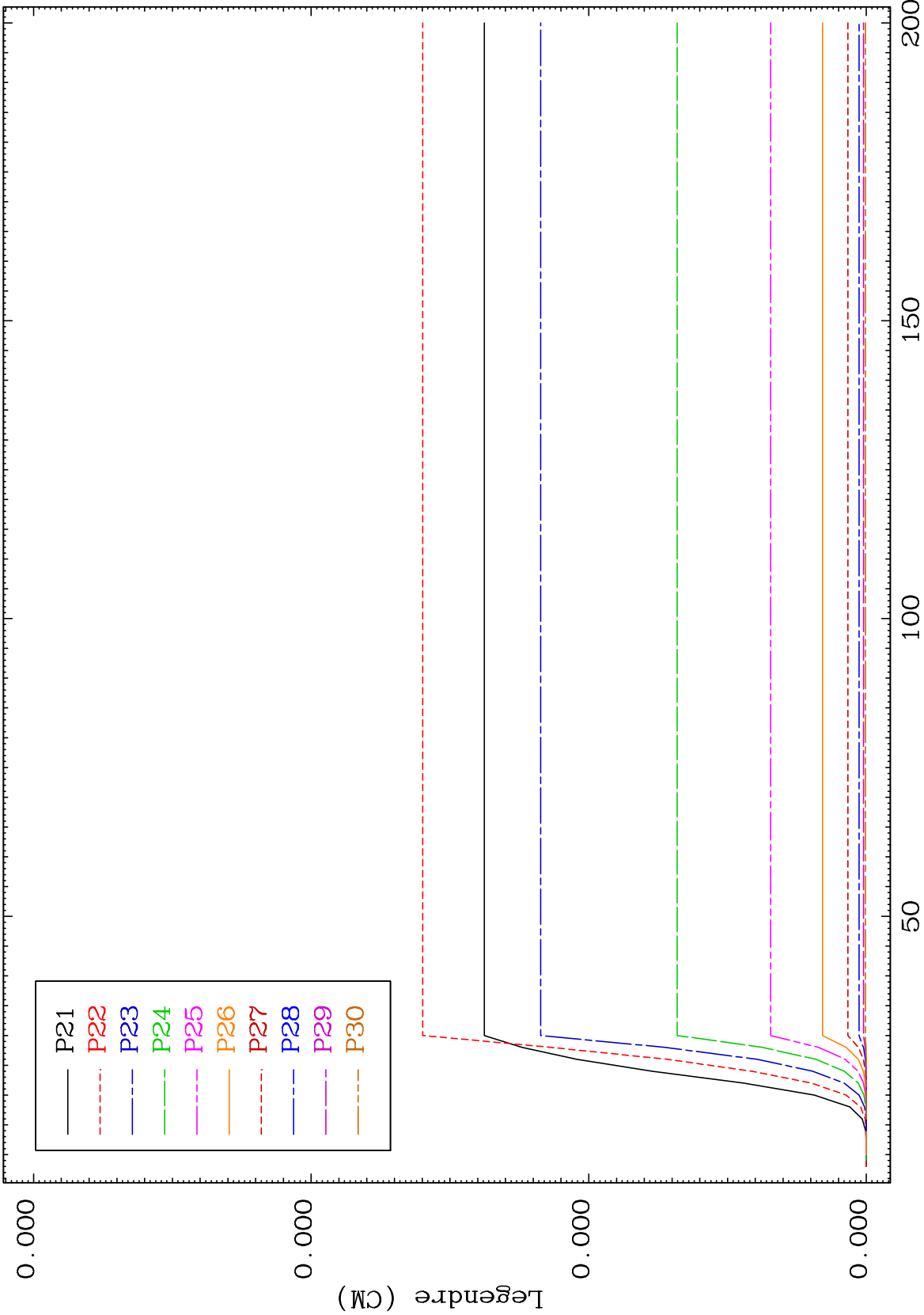
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

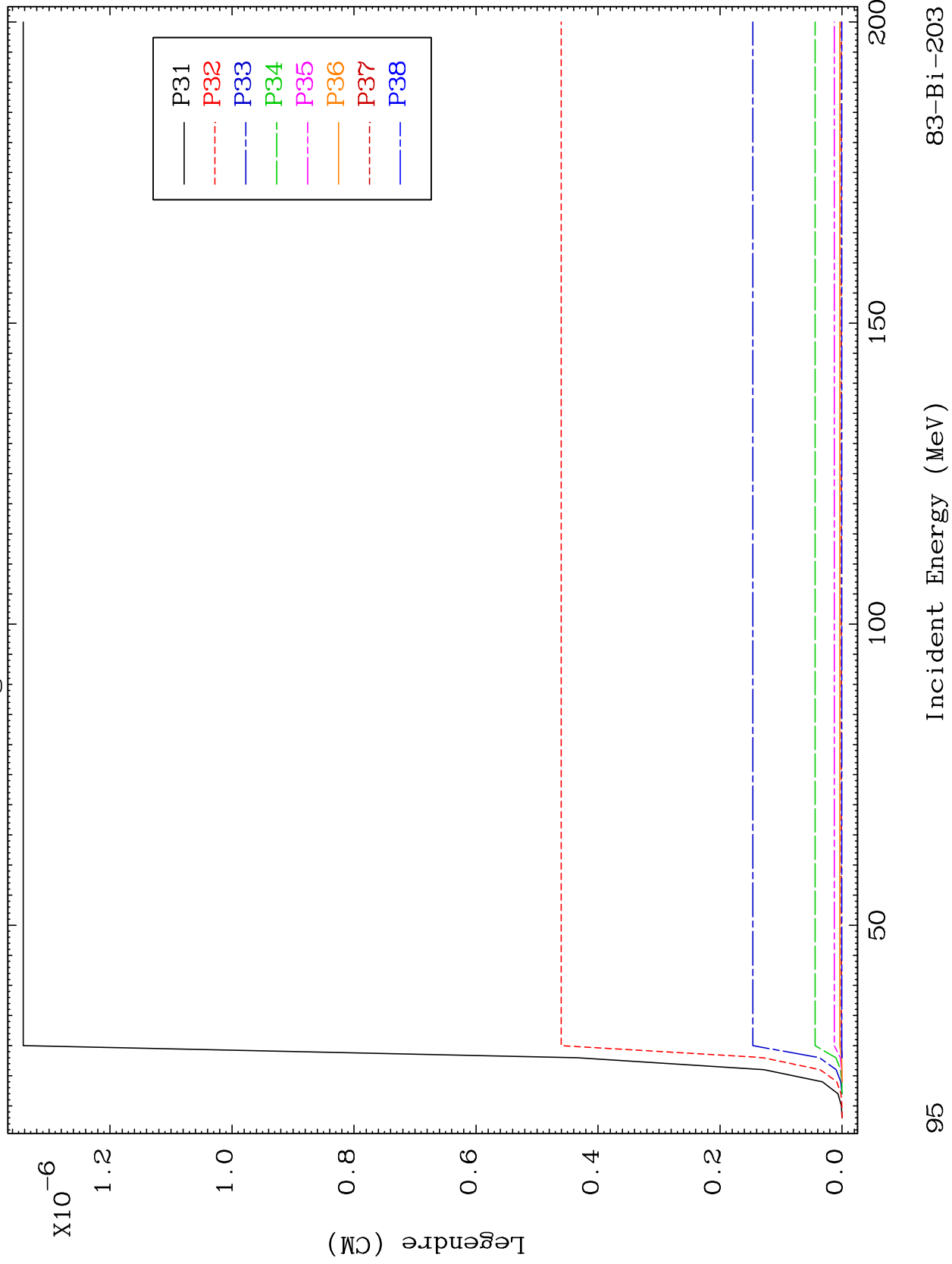
83-Bi-203



MAT 8307

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

83-Bi-203



95

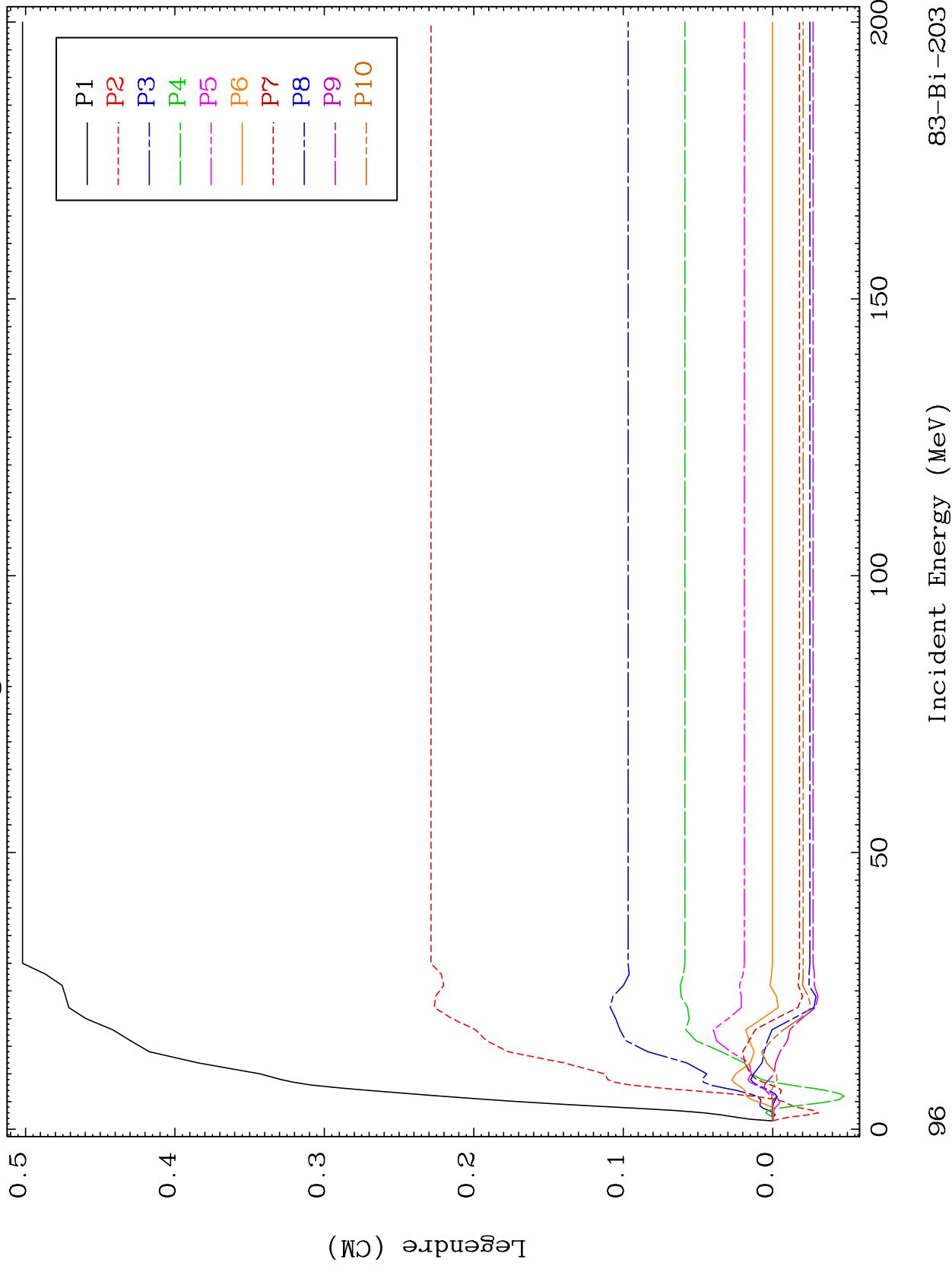
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



96

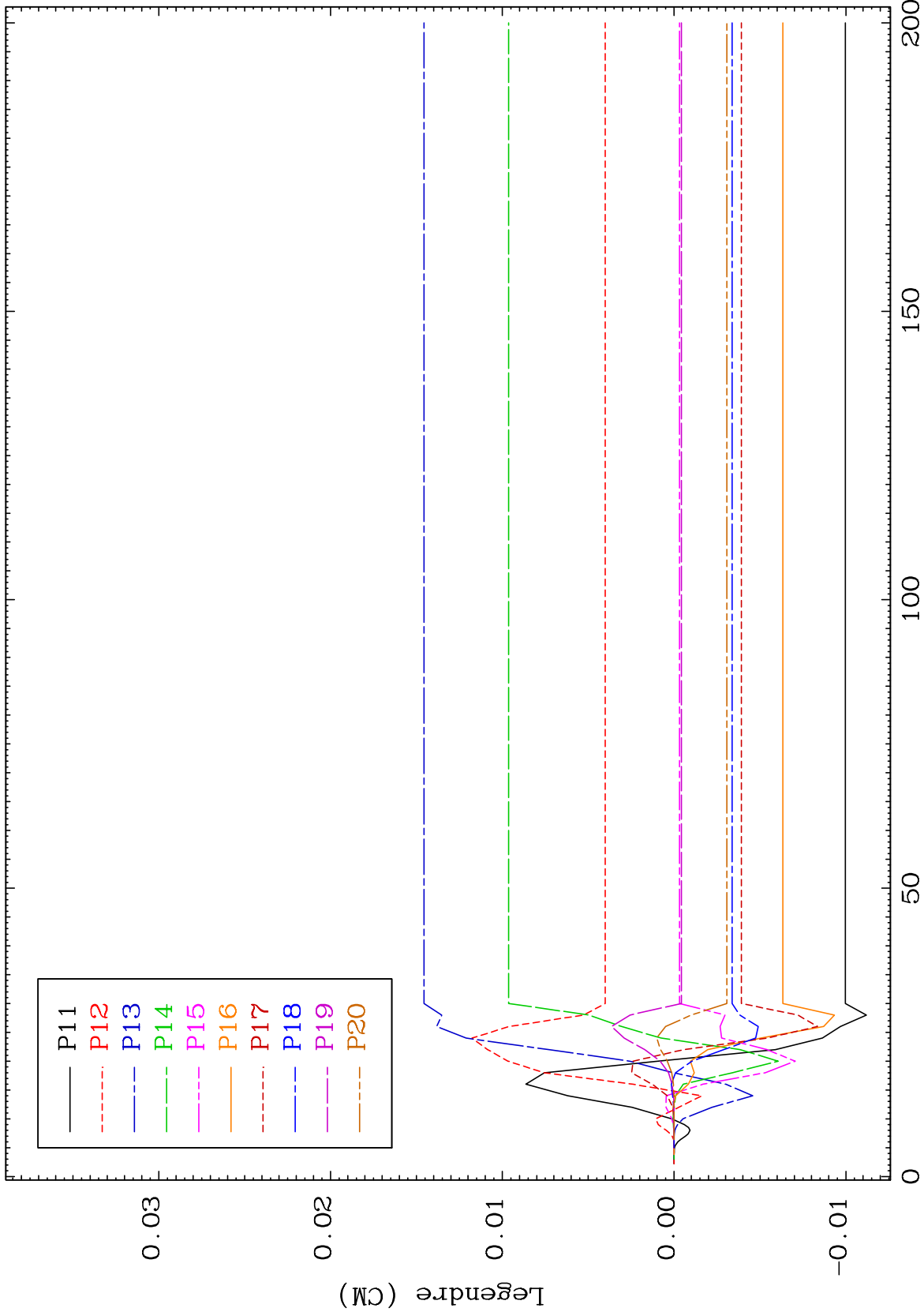
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



97

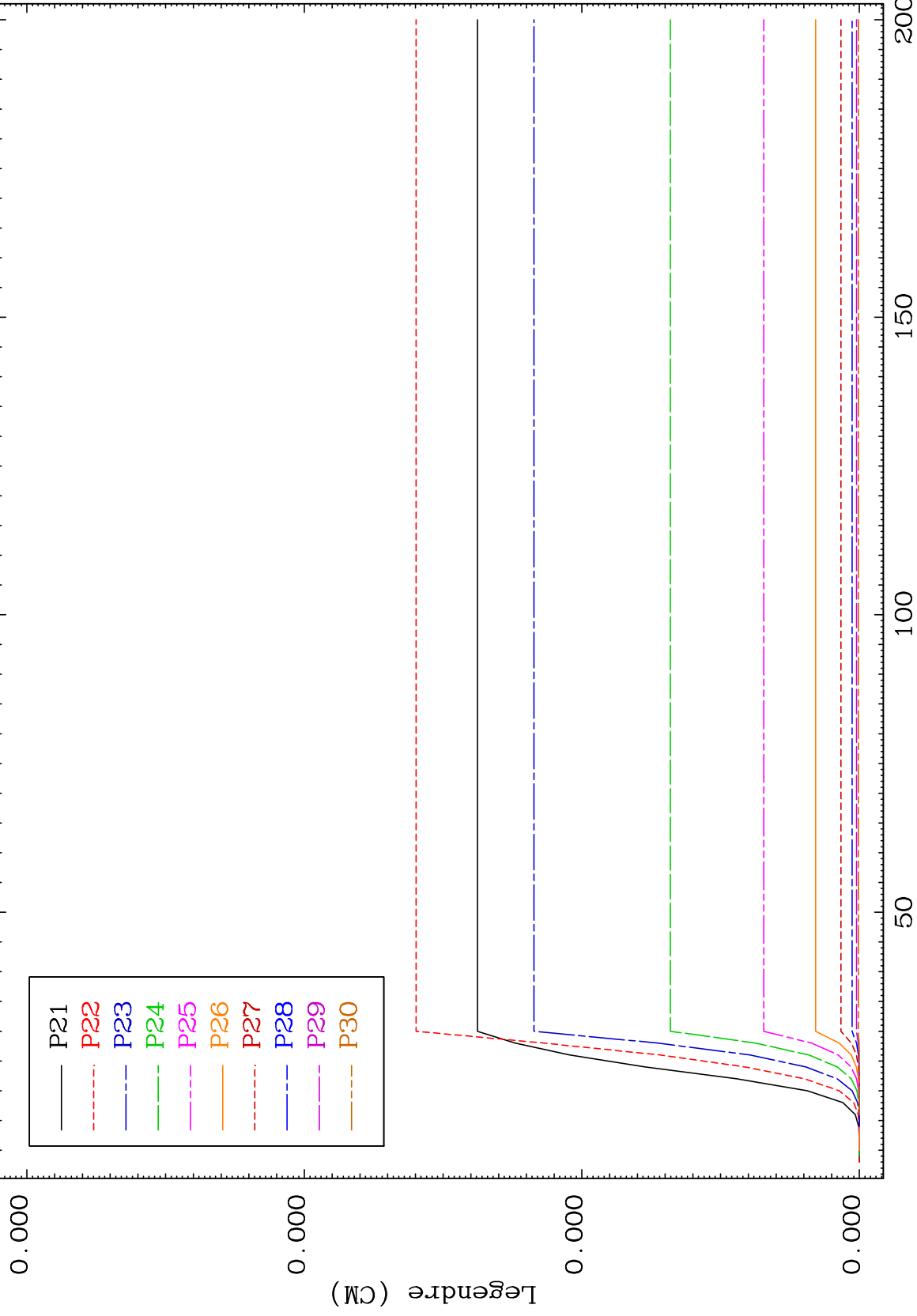
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

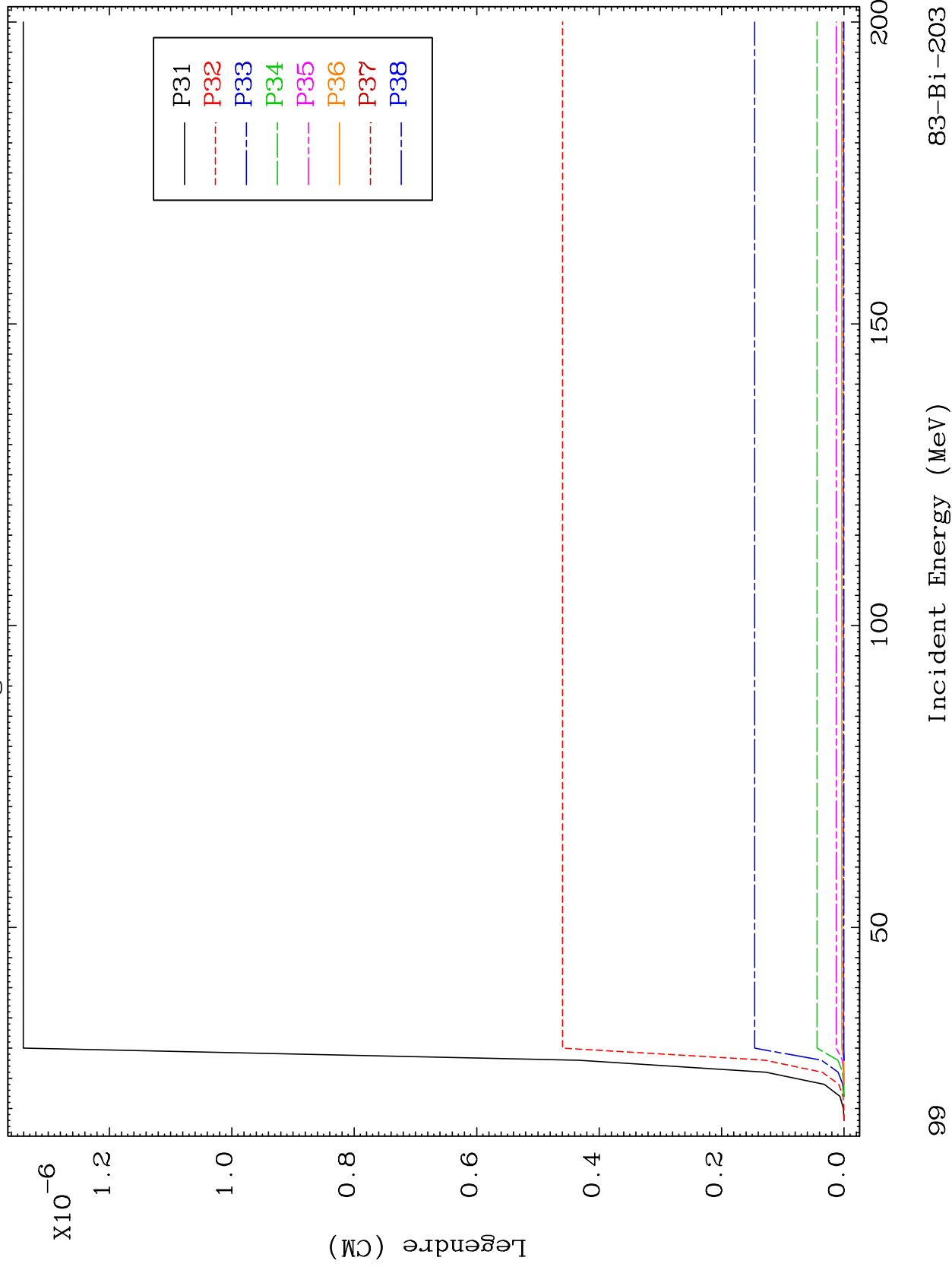
83-Bi-203



MAT 8307

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

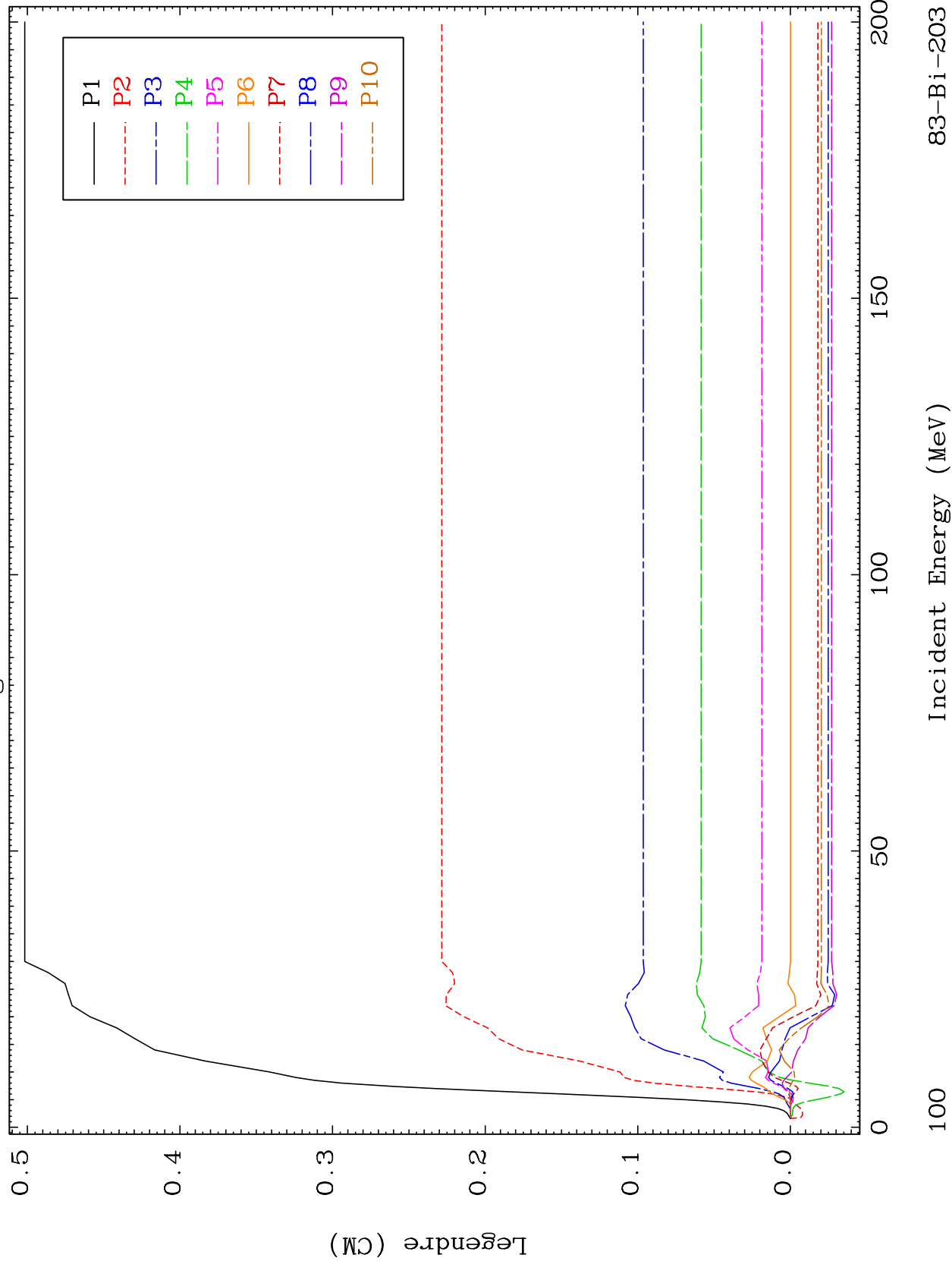
83-Bi-203



MAT 8307

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

83-Bi-203

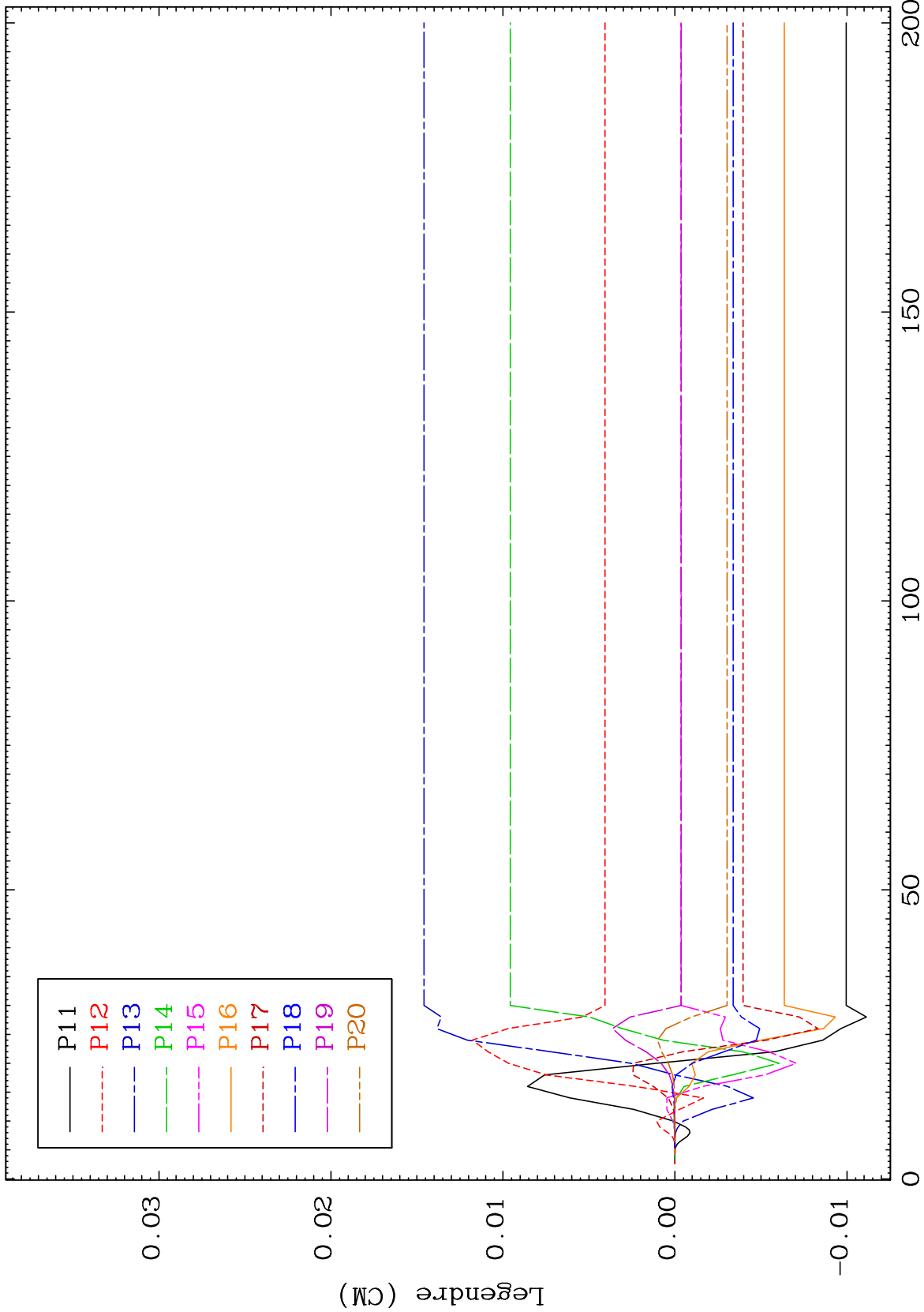


83-Bi-203

MAT 8307

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

83-Bi-203



101

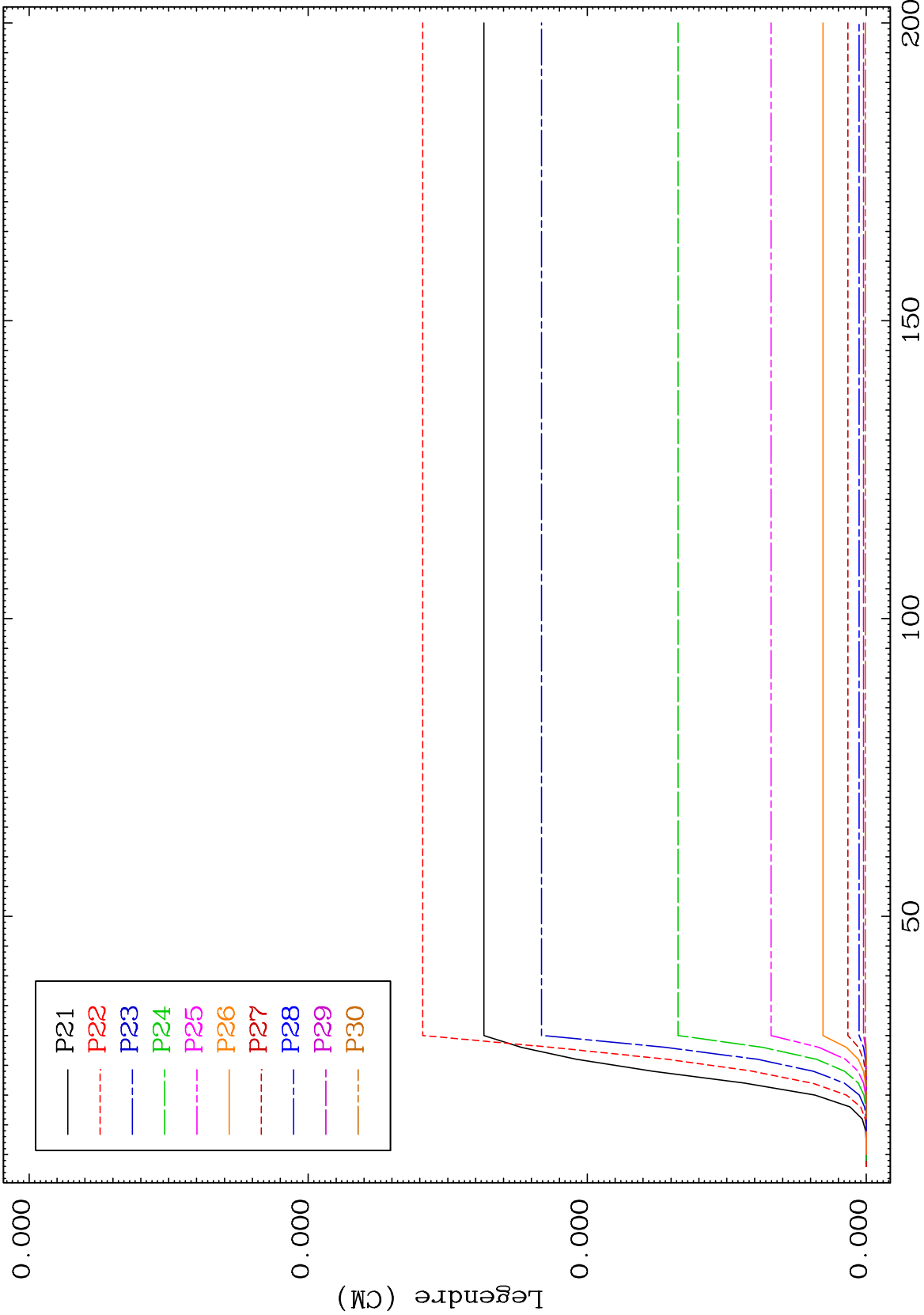
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



102

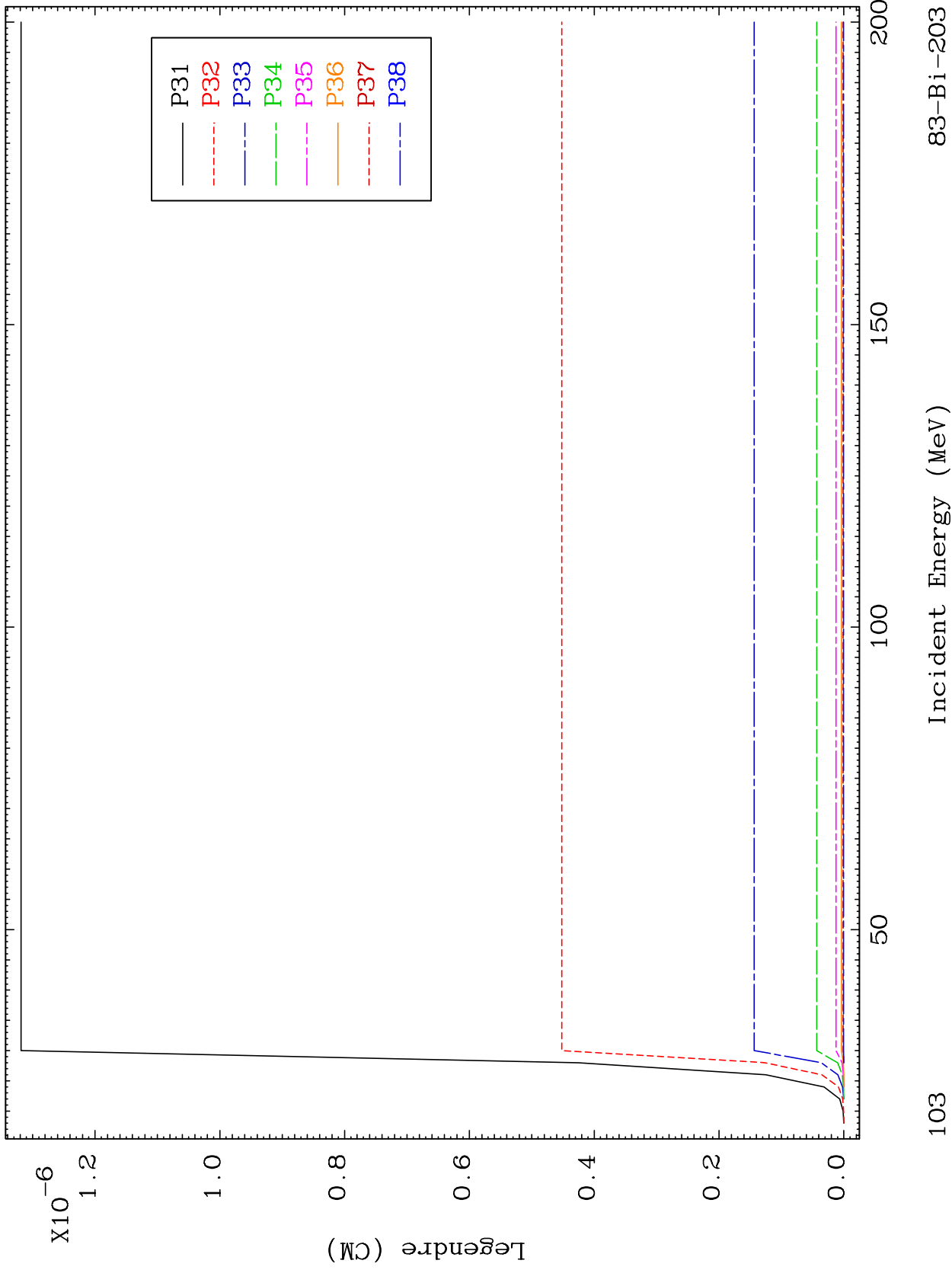
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203

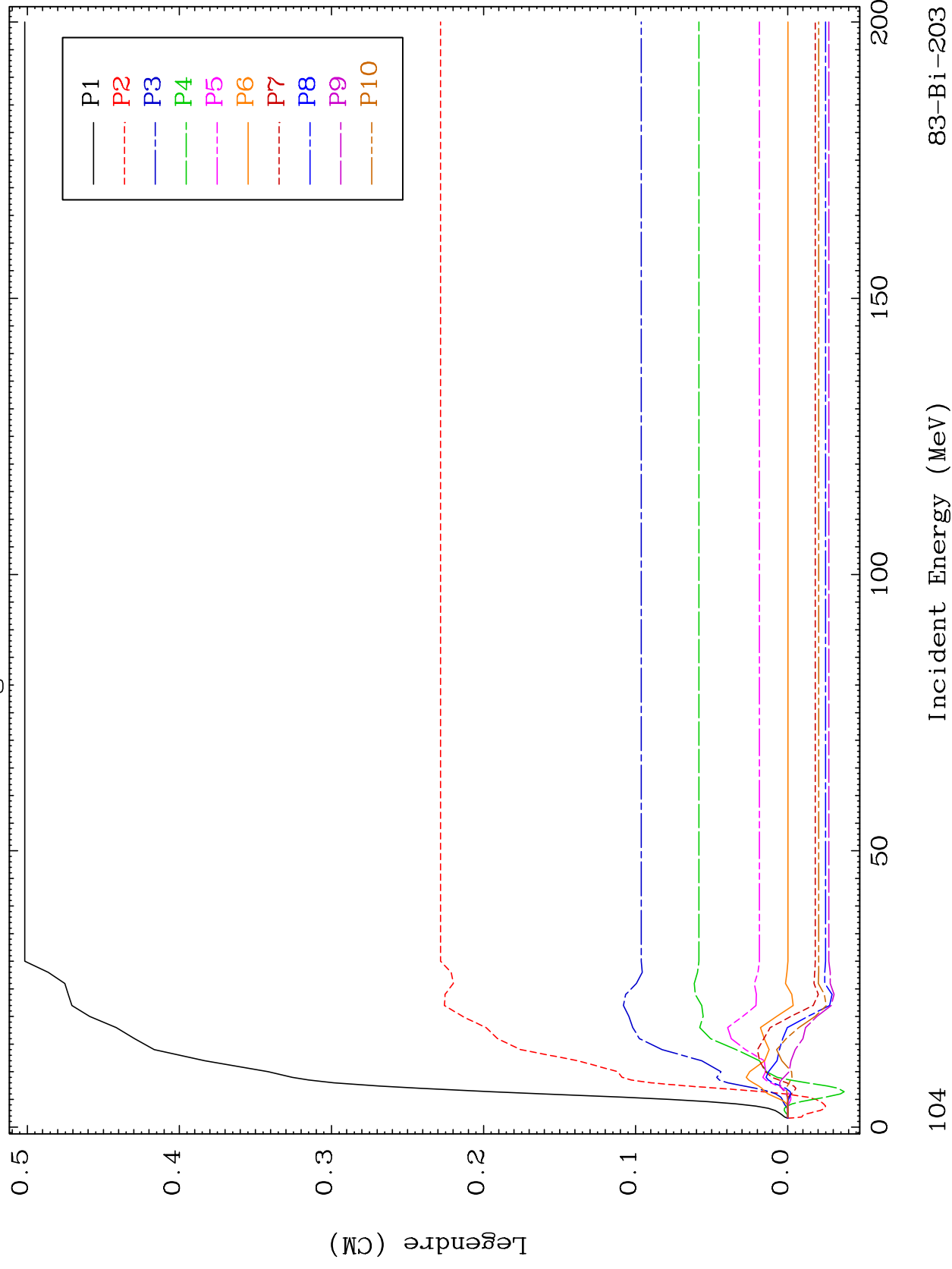


103

MAT 8307

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

83-Bi-203



83-Bi-203

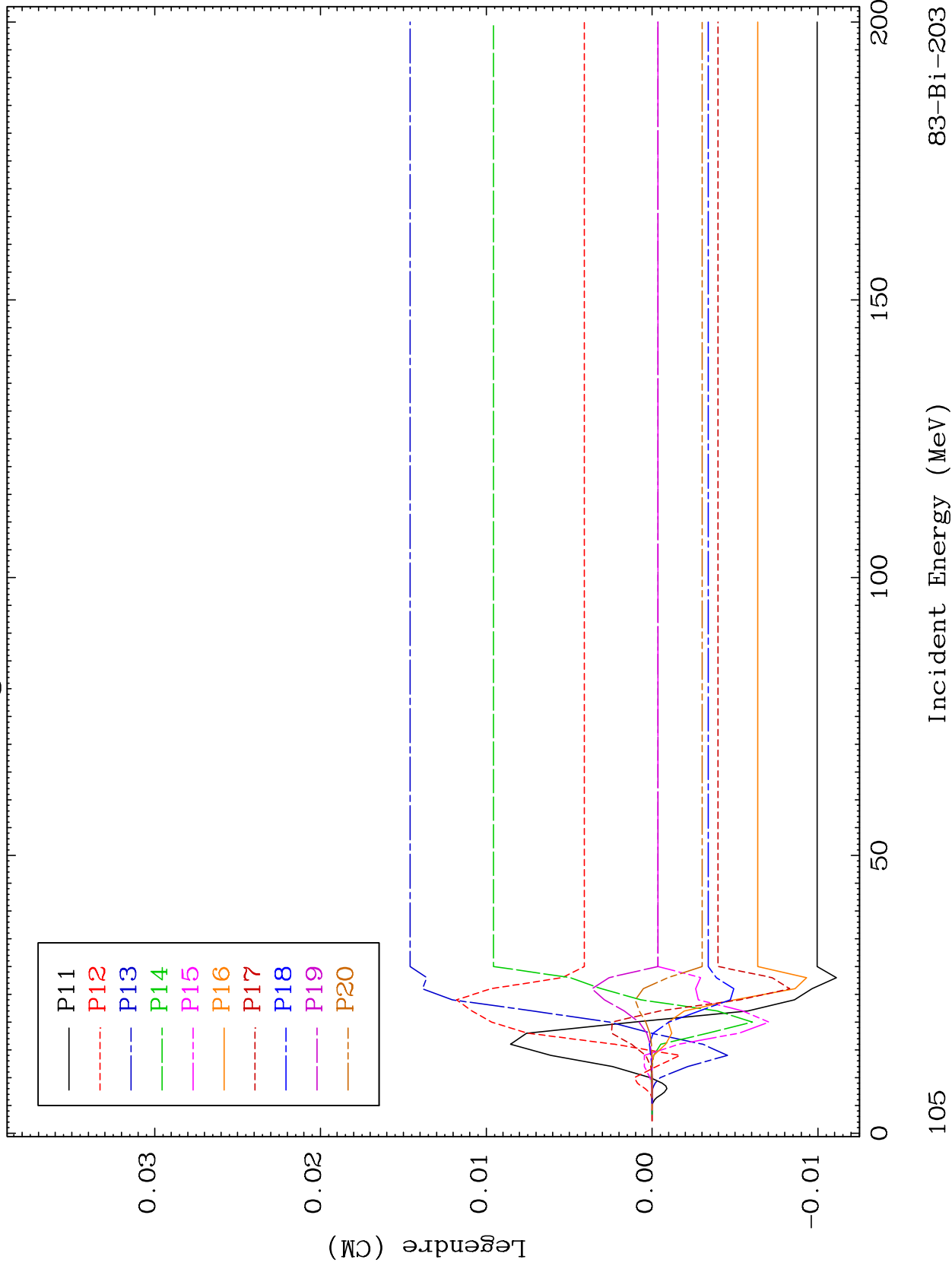
Incident Energy (MeV)

104

MAT 8307

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

83-Bi-203



83-Bi-203

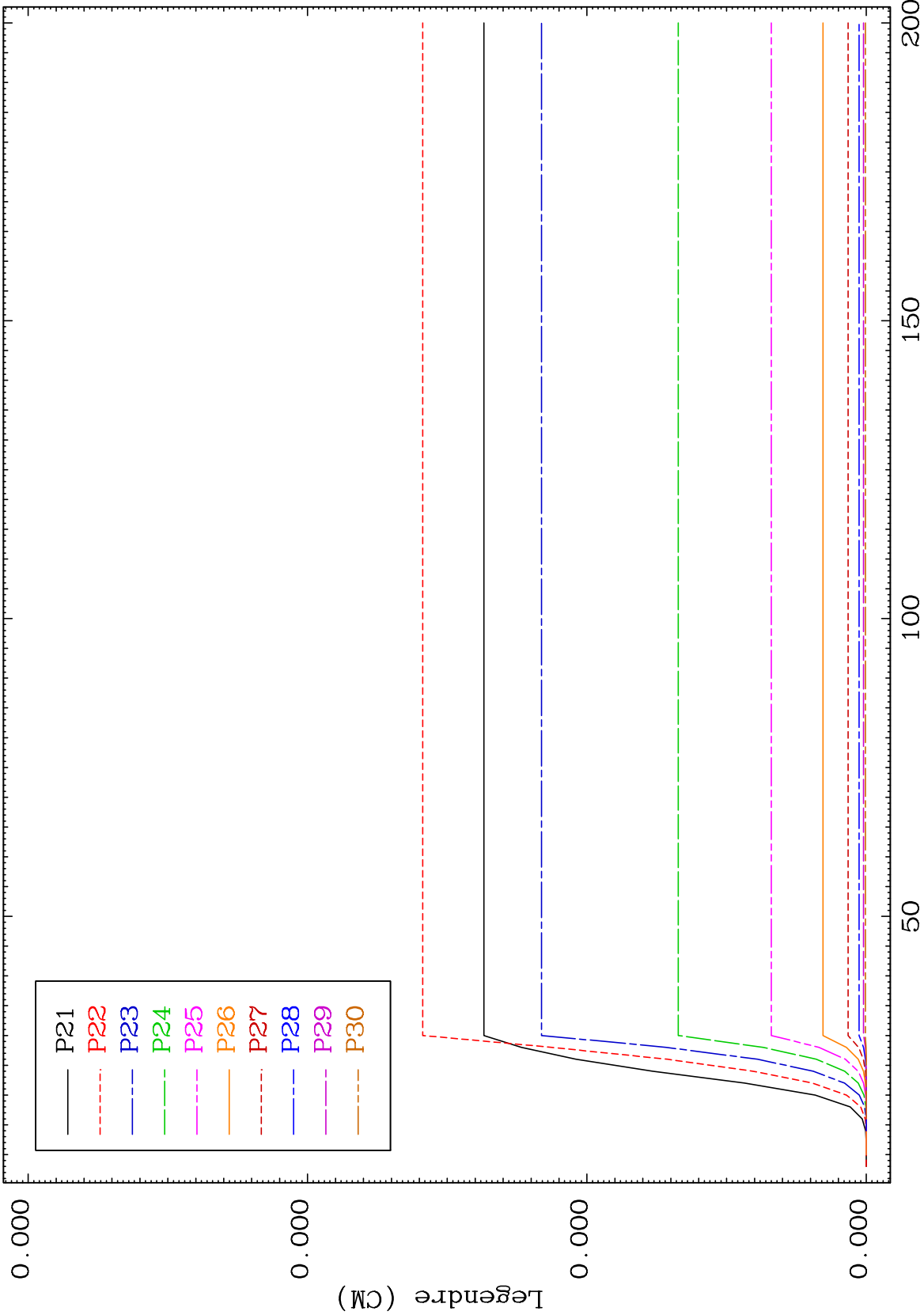
Incident Energy (MeV)

105

MAT 8307

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

83-Bi-203



106

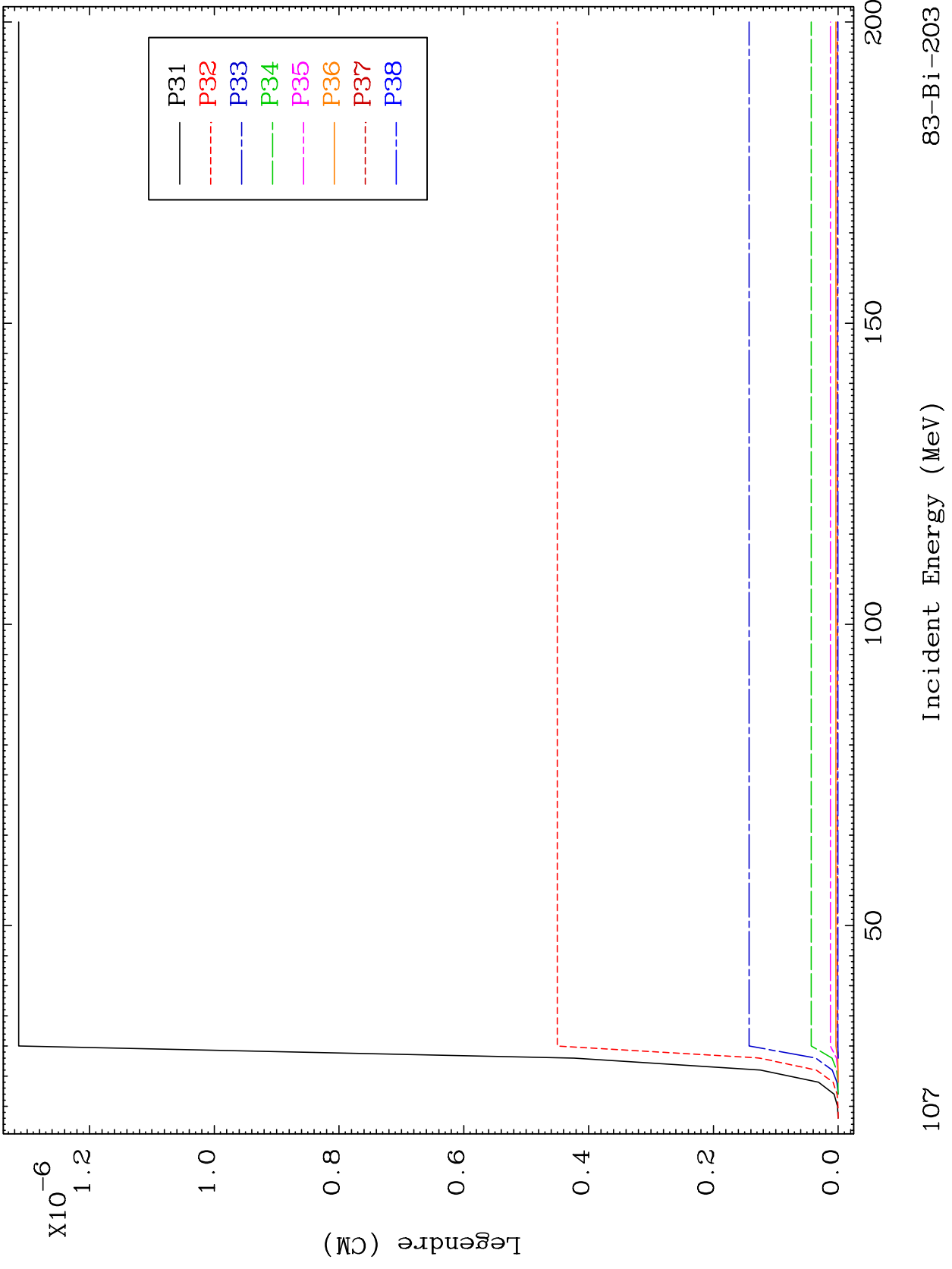
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



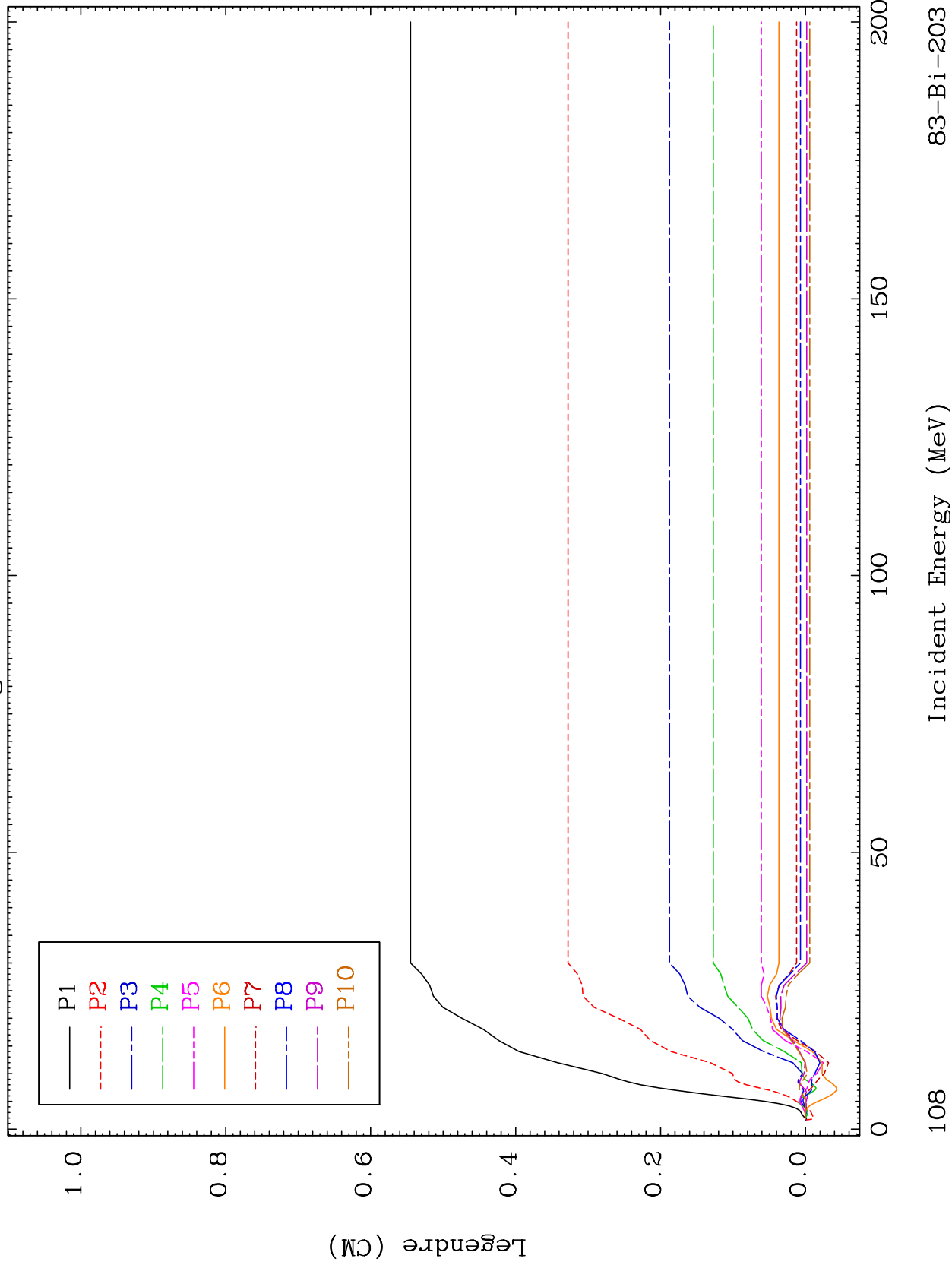
107

83-Bi-203

MAT 8307

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

83-Bi-203



83-Bi-203

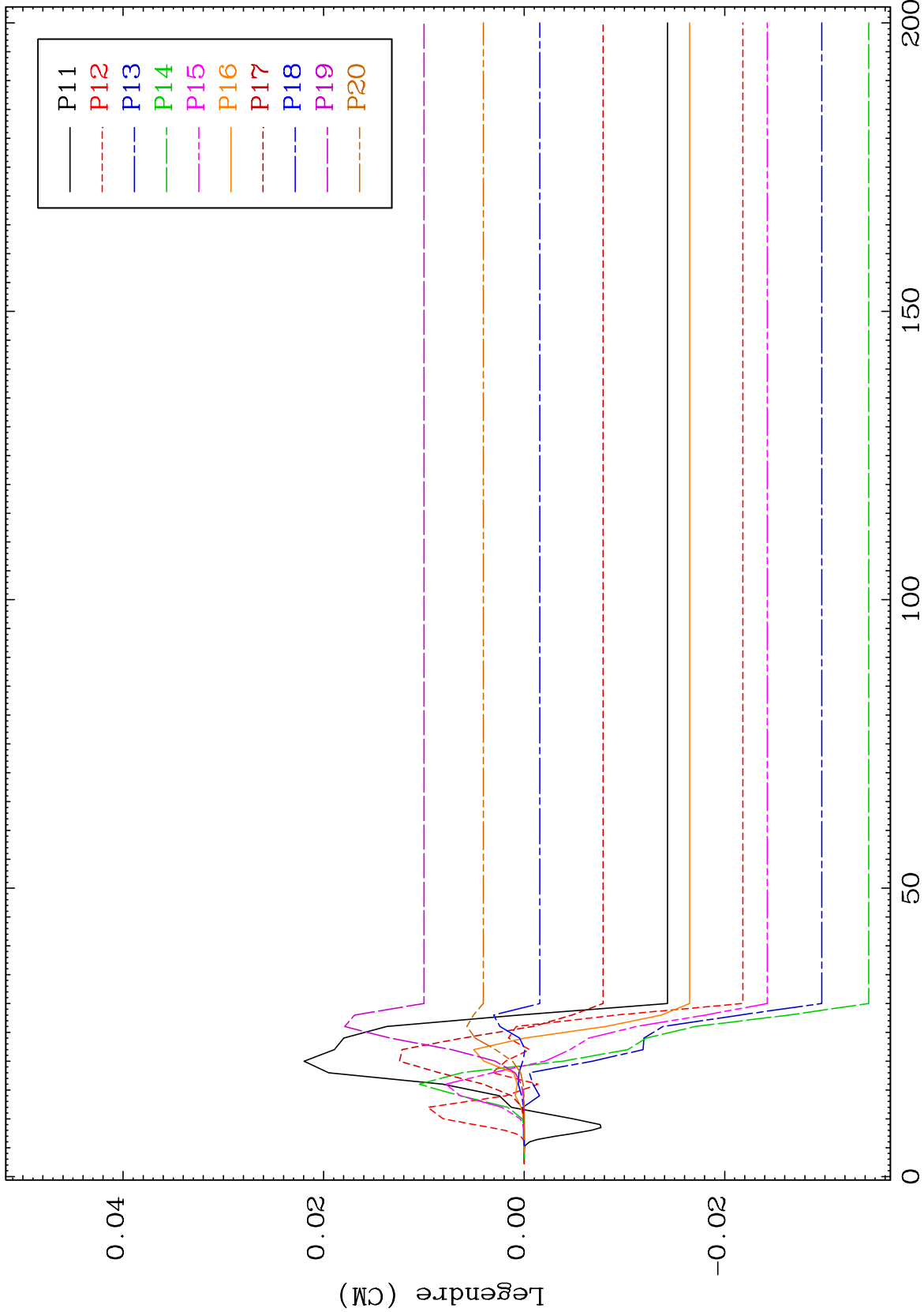
Incident Energy (MeV)

108

MAT 8307

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

83-Bi-203



109

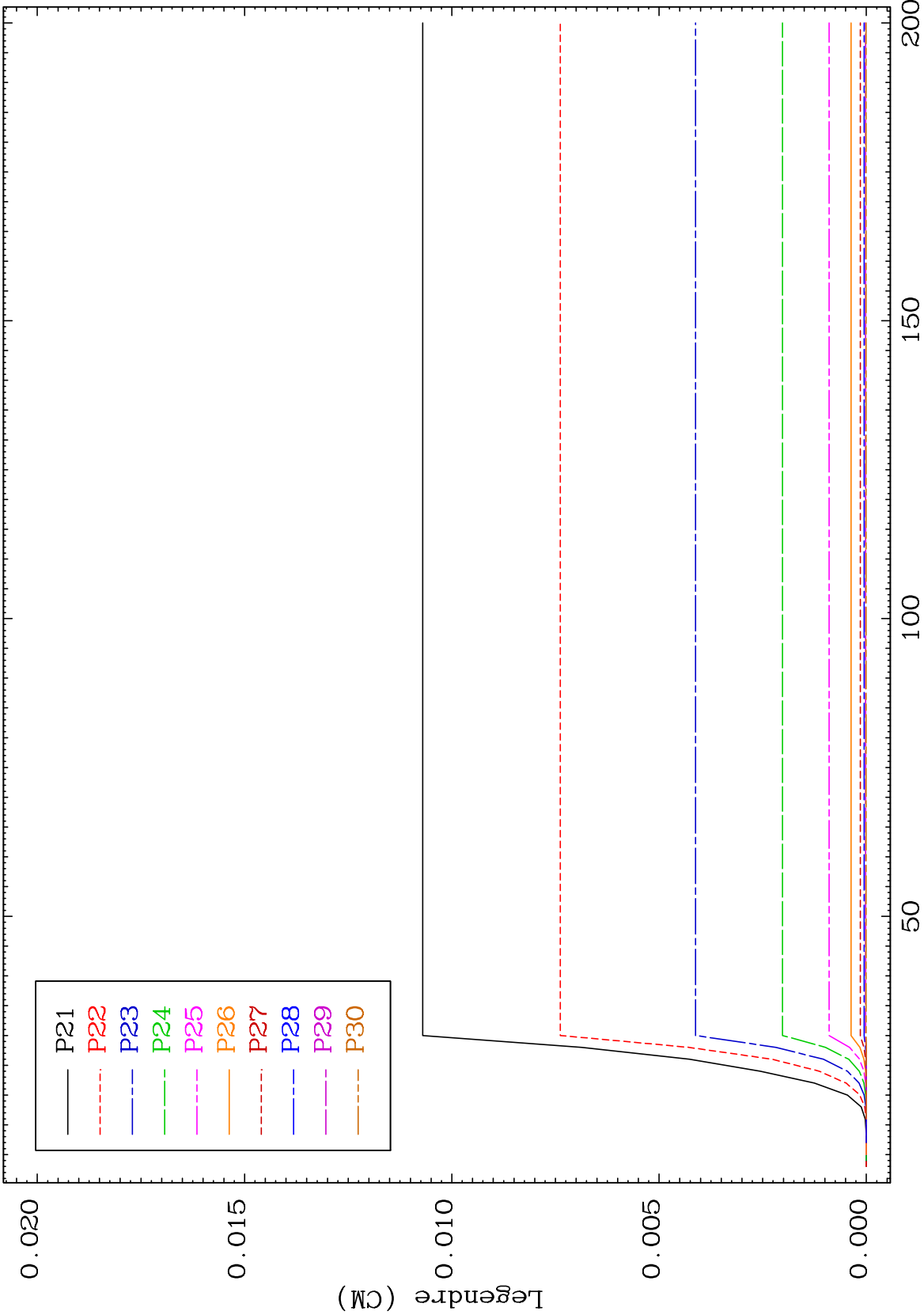
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



110

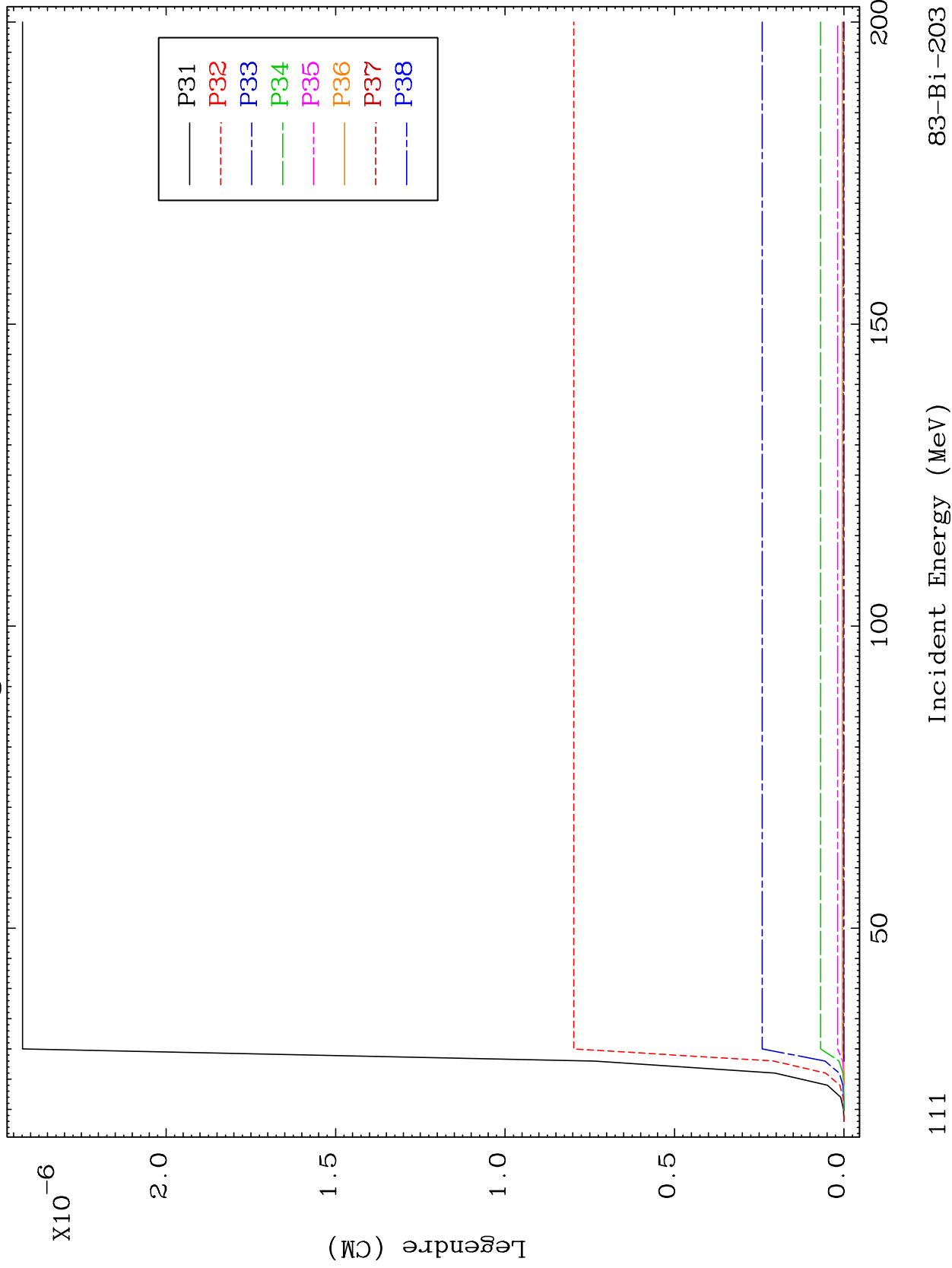
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203

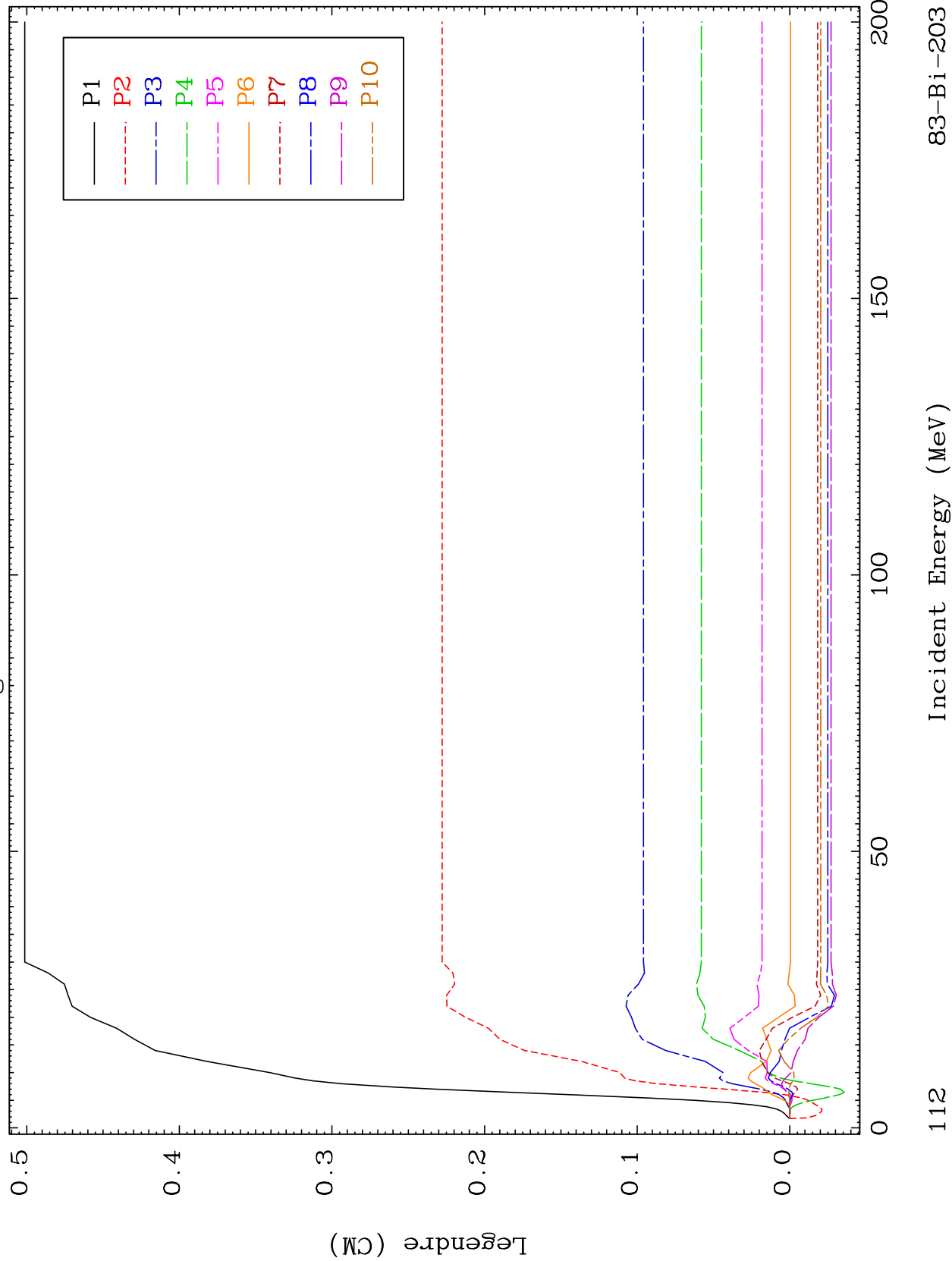


111

MAT 8307

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

83-Bi-203



83-Bi-203

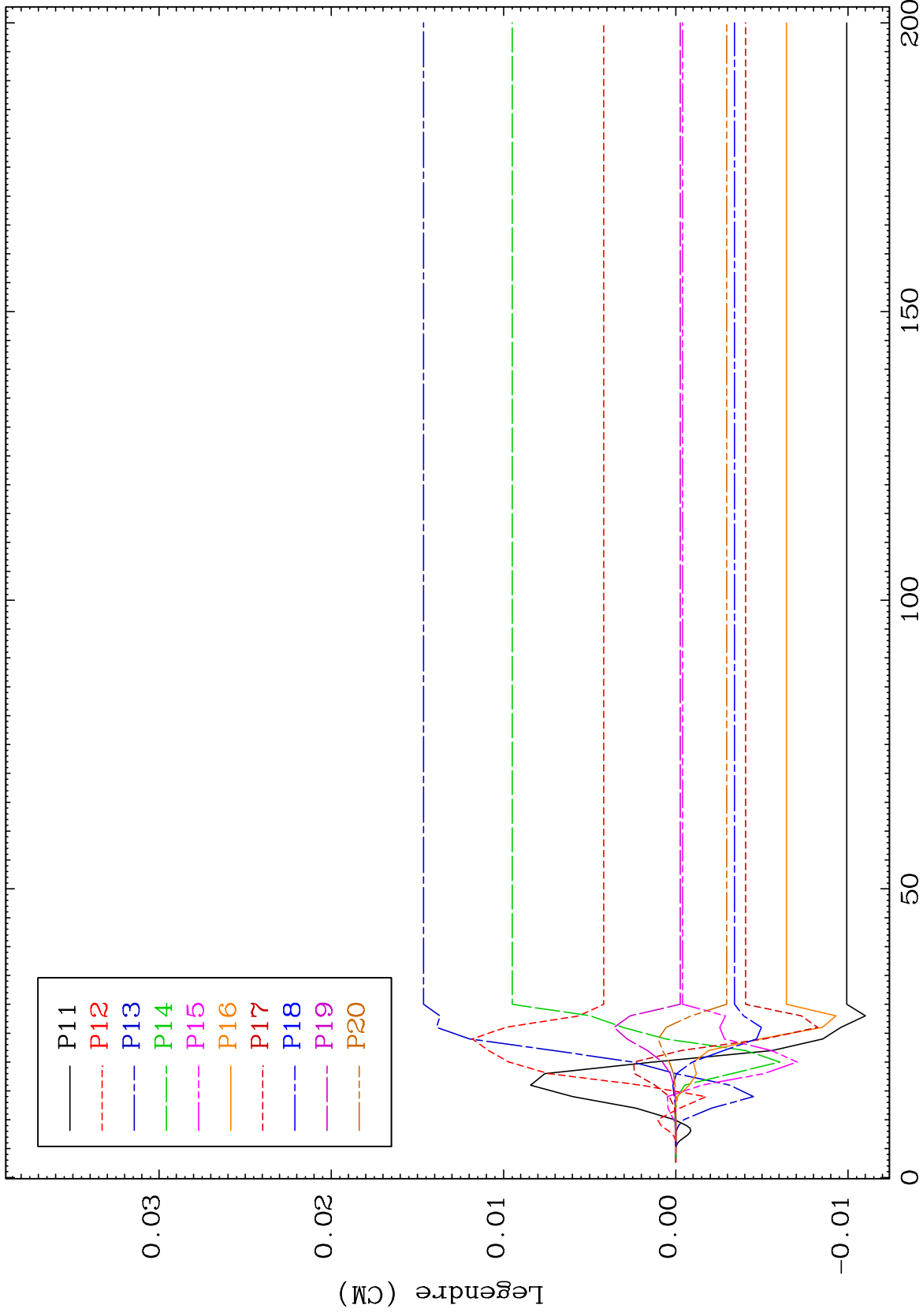
Incident Energy (MeV)

112

MAT 8307

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

83-Bi-203



113

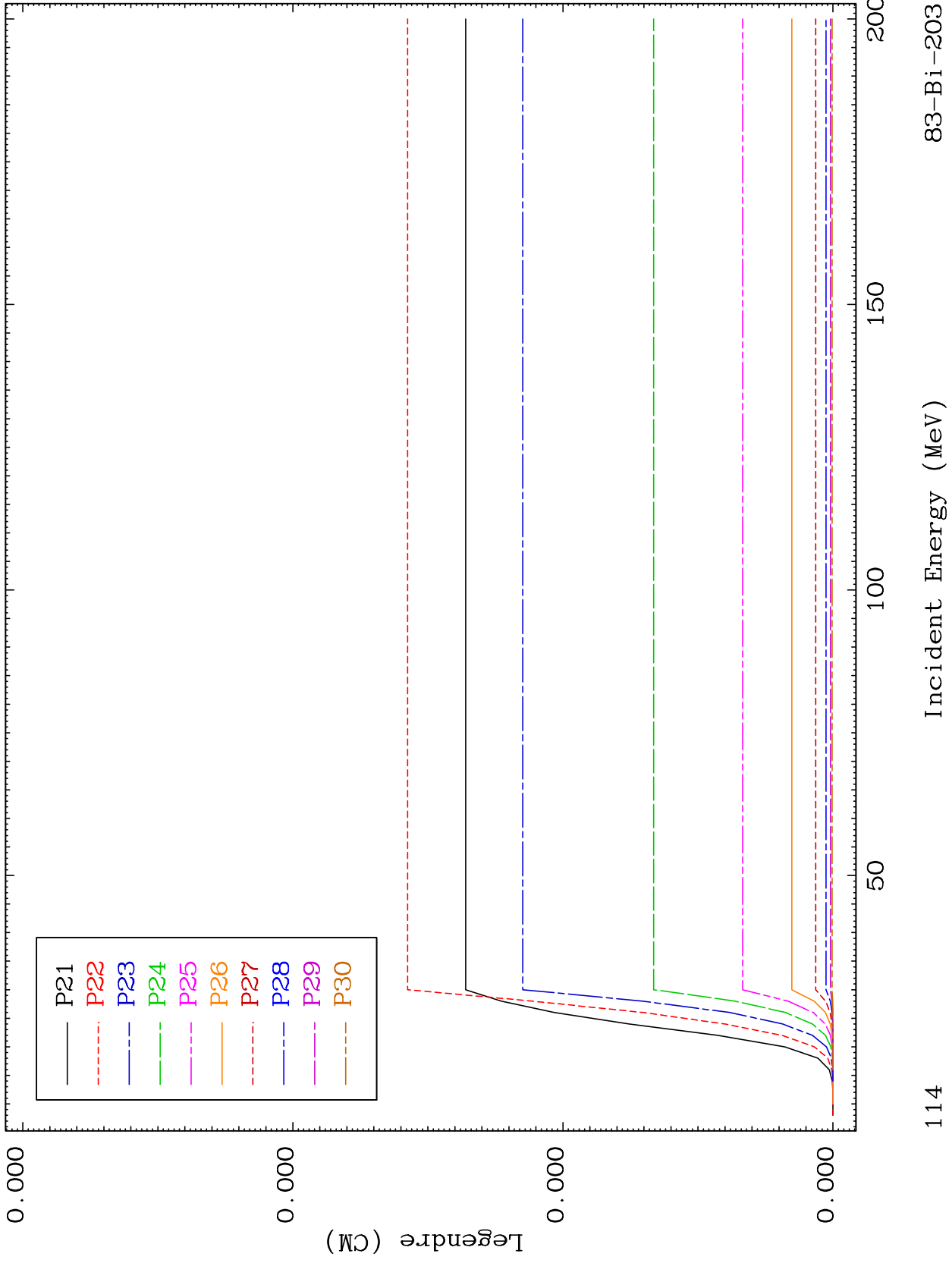
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



114

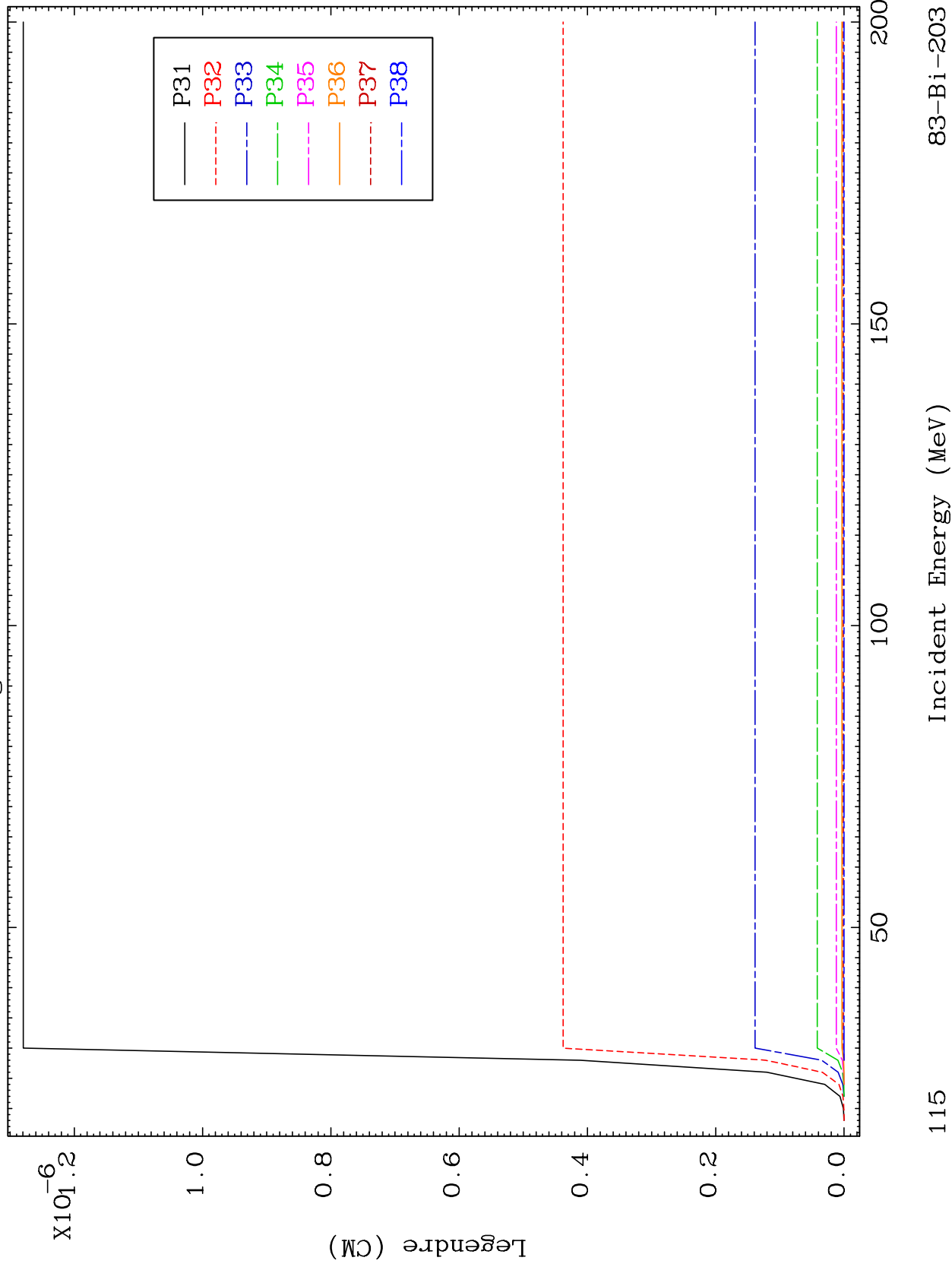
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203

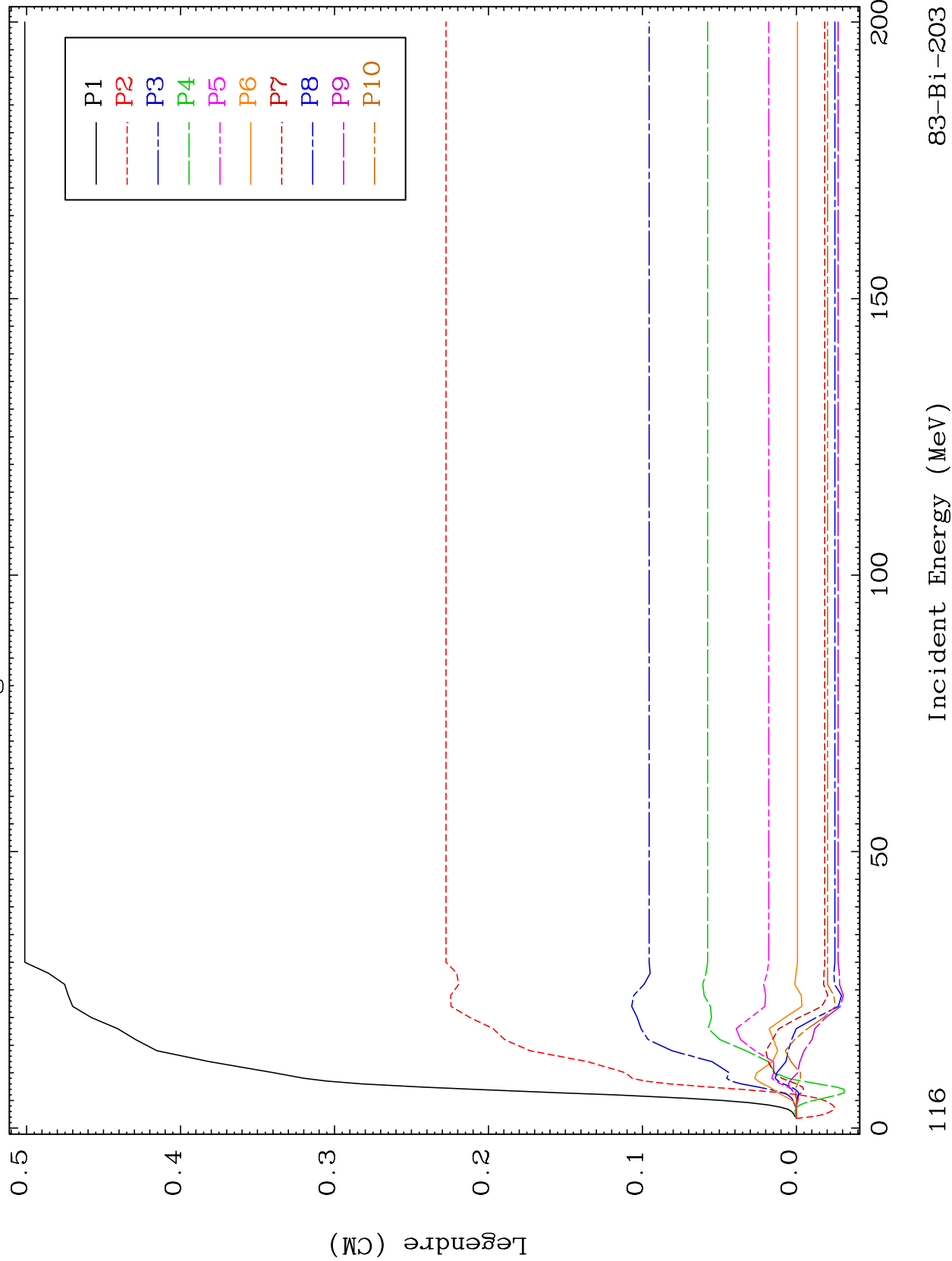


115

MAT 8307

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

83-Bi-203

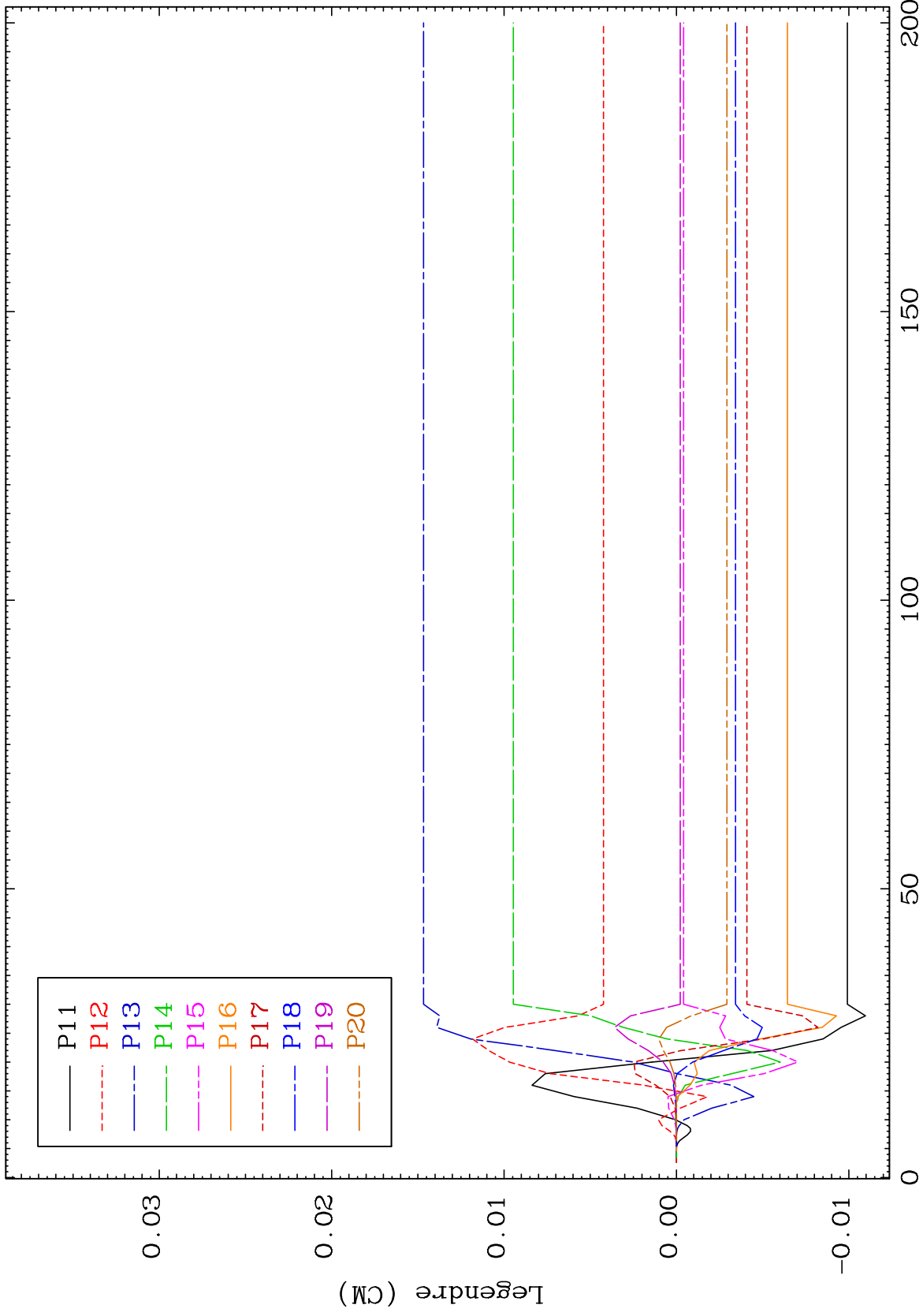


116

MAT 8307

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

83-Bi-203



117

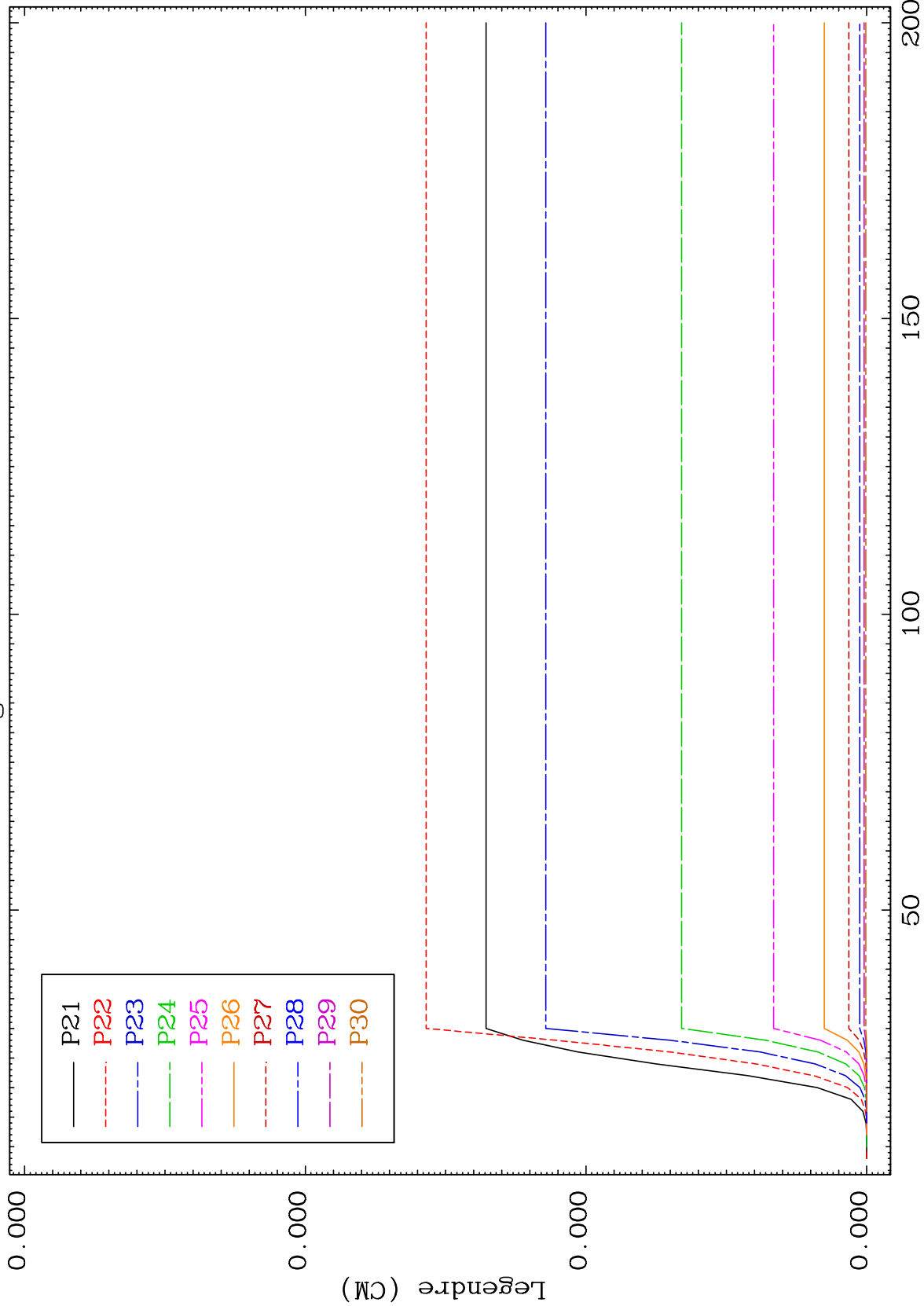
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



118

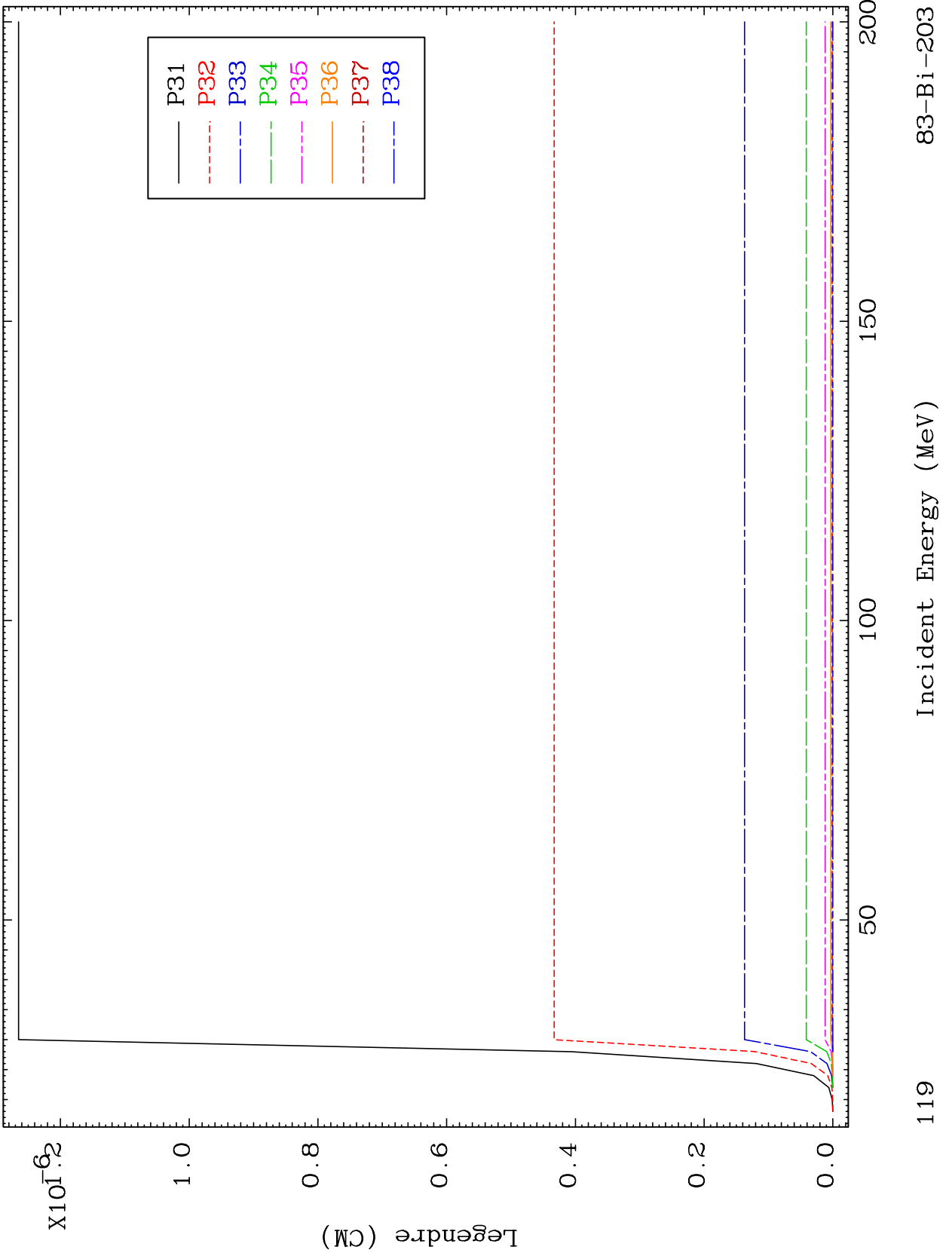
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

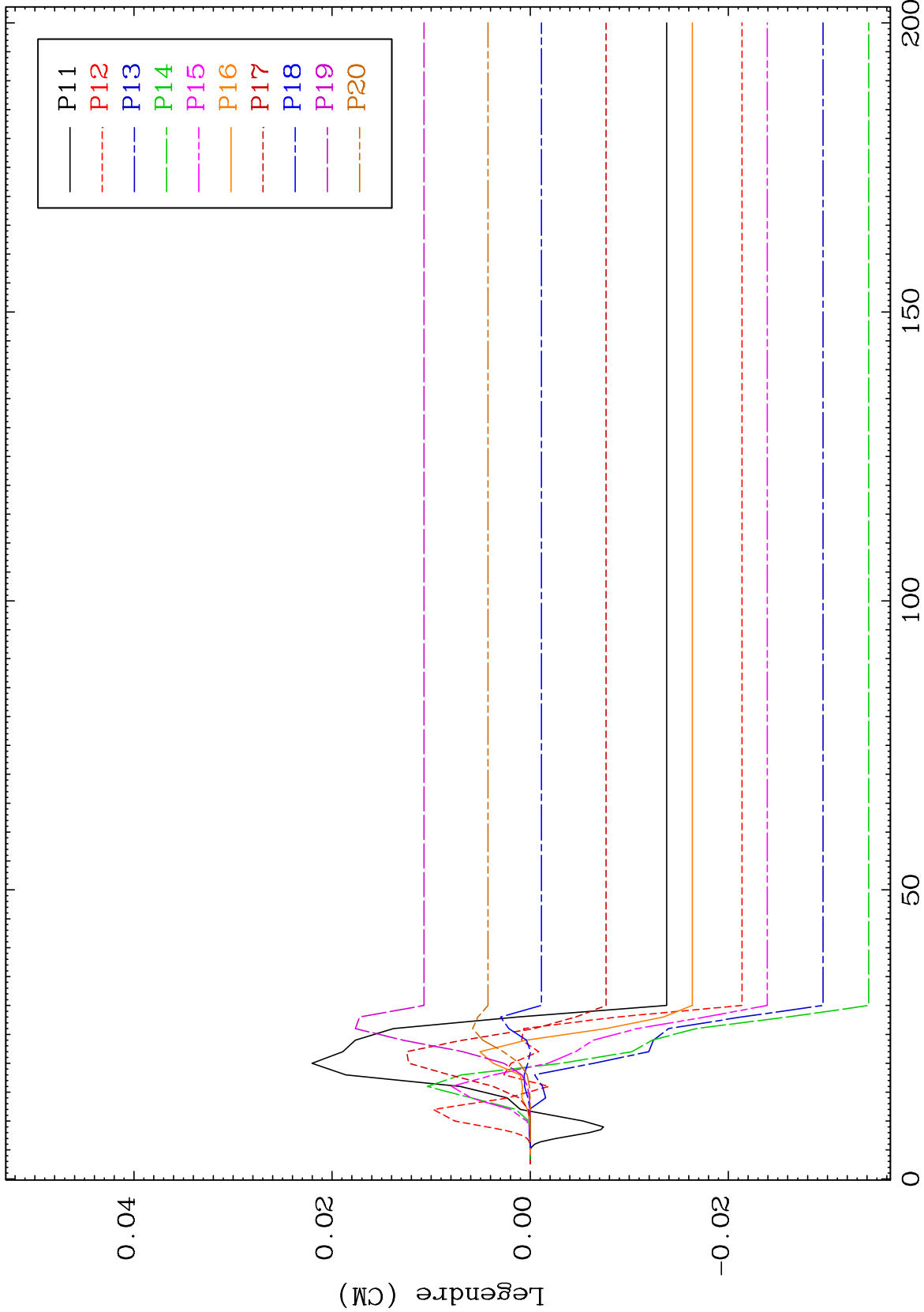
83-Bi-203



MAT 8307

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

83-Bi-203



121

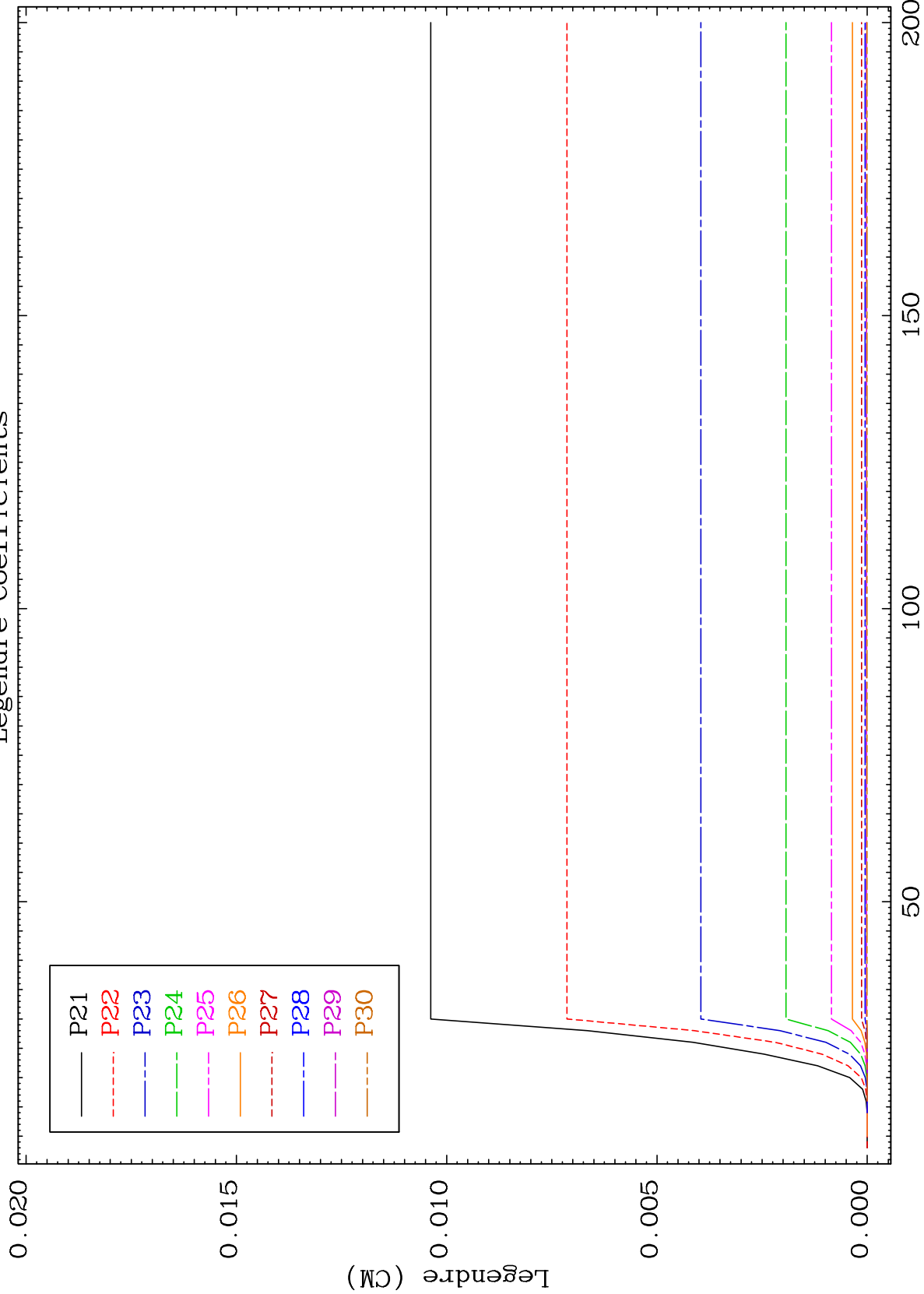
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



122

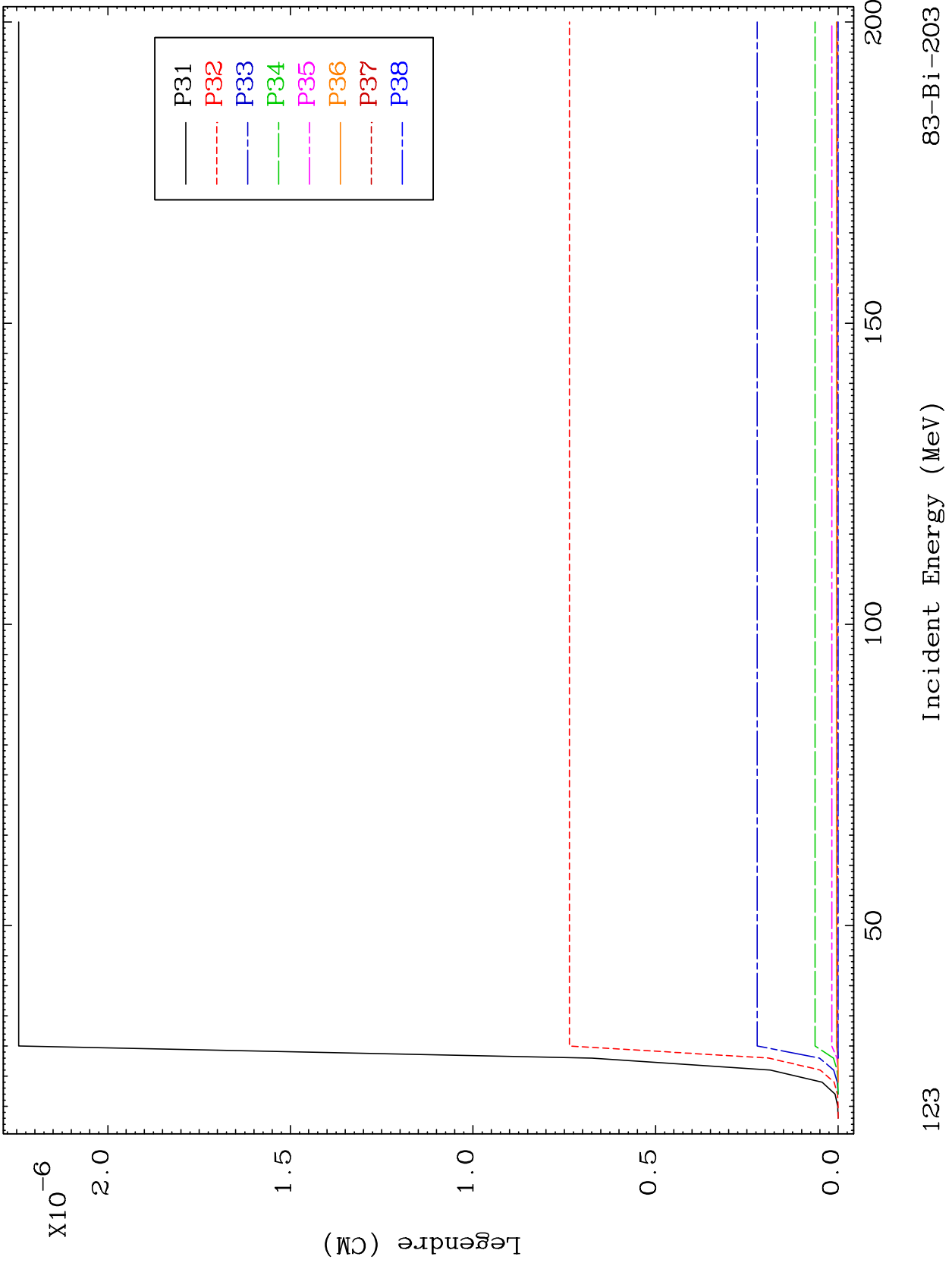
Incident Energy (MeV)

83-Bi-203

MAT 8307

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

83-Bi-203



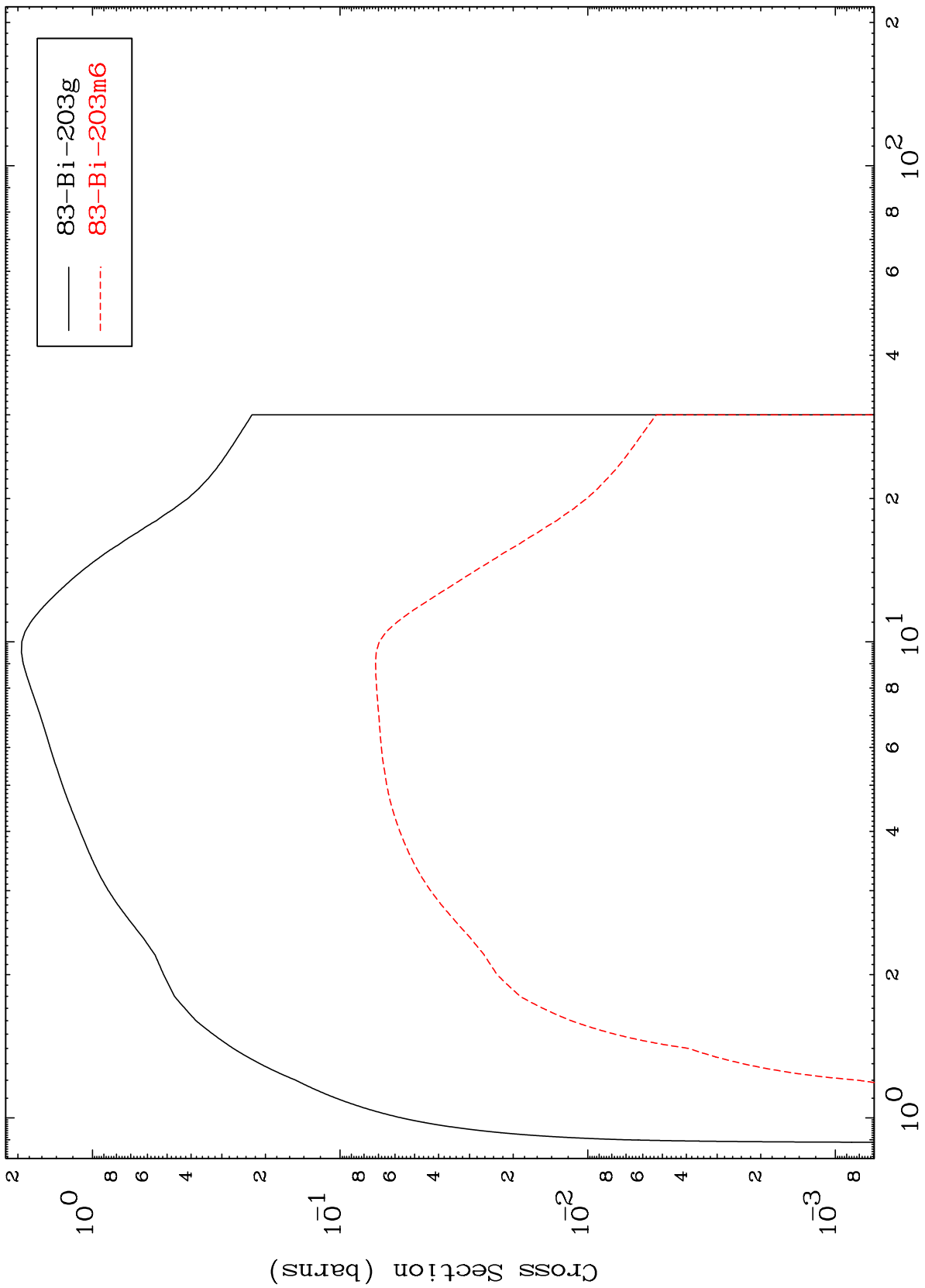
123

83-Bi-203

MAT 8307

83-Bi-203

Inelastic
Radionuclide Production Cross Section



83-Bi-203g
83-Bi-203m6

124

Incident Energy (MeV)

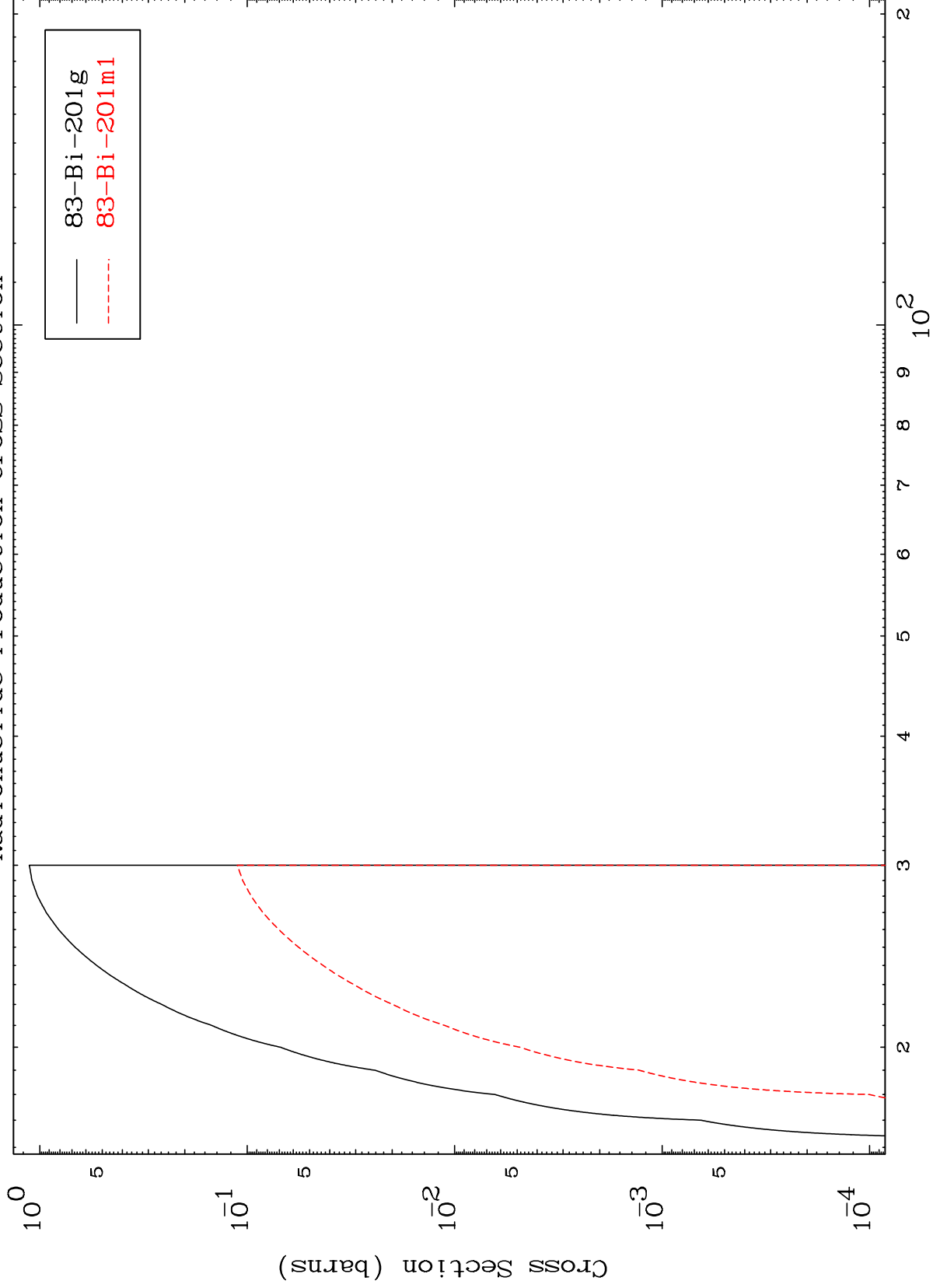
83-Bi-203

MAT 8307

(n,3n)

83-Bi-203

Radionuclide Production Cross Section



125

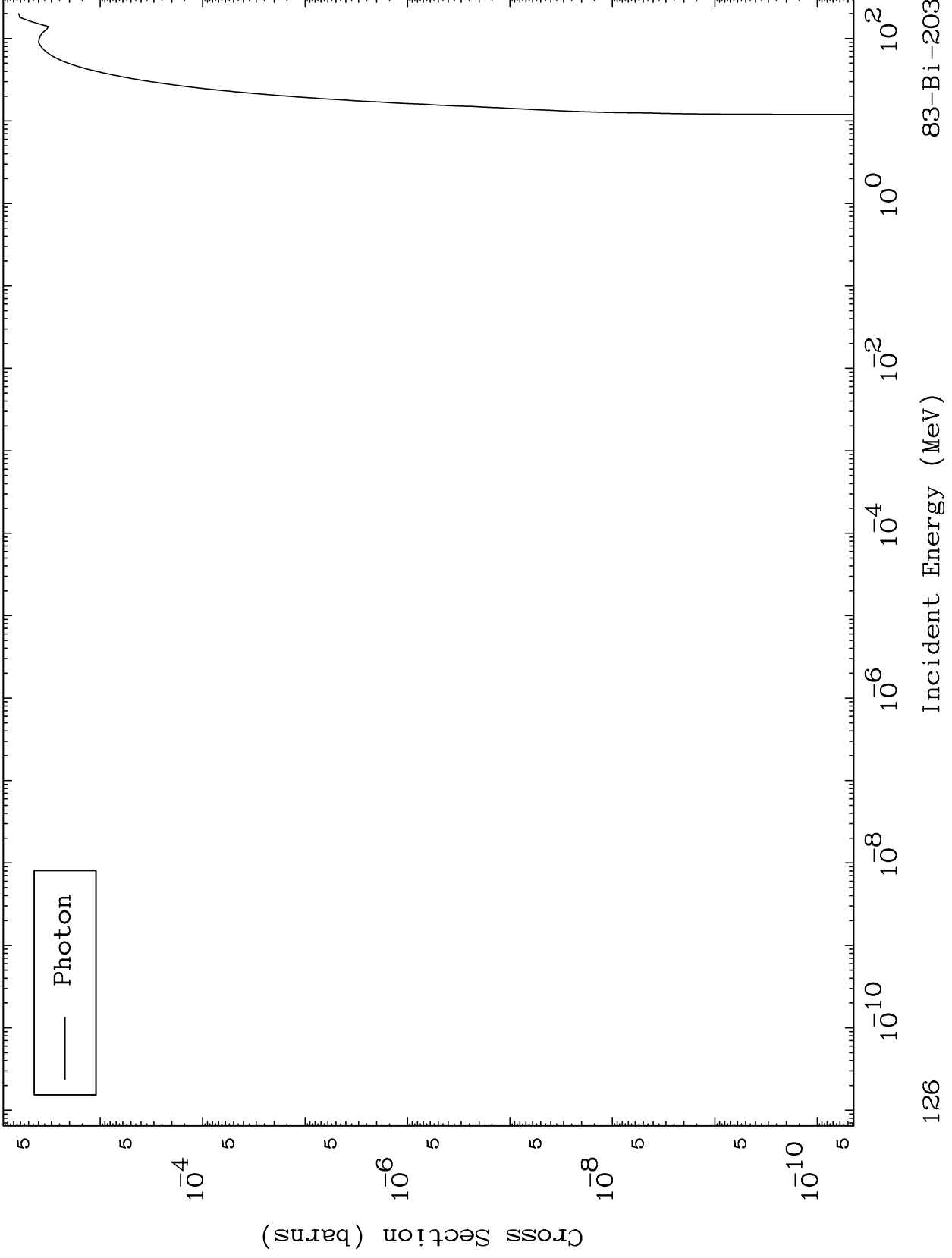
Incident Energy (MeV)

83-Bi-203

MAT 8307

Fission
Radionuclide Production Cross Section

83-Bi-203

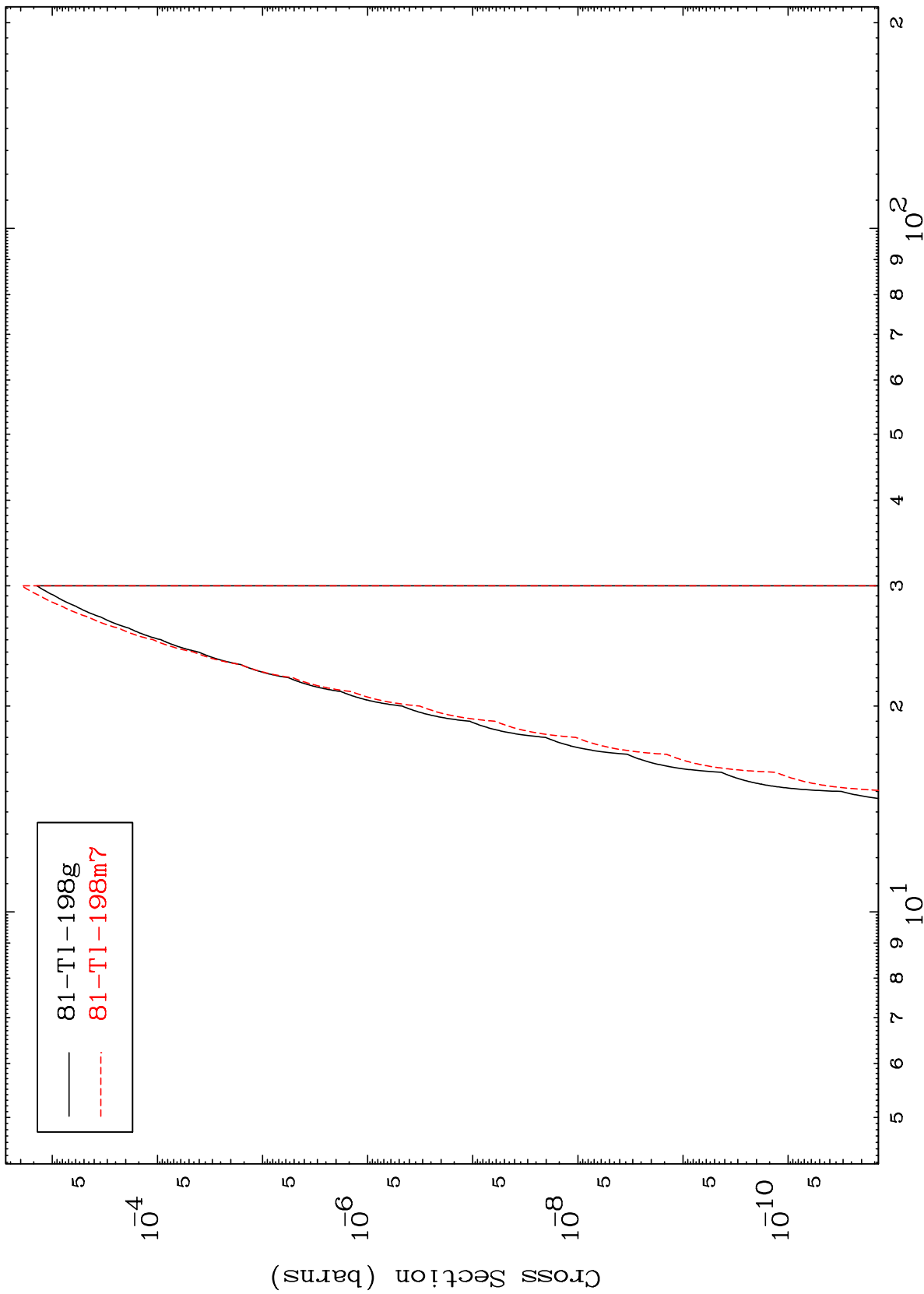


MAT 8307

$(n,2n) \alpha$

83-Bi-203

Radionuclide Production Cross Section

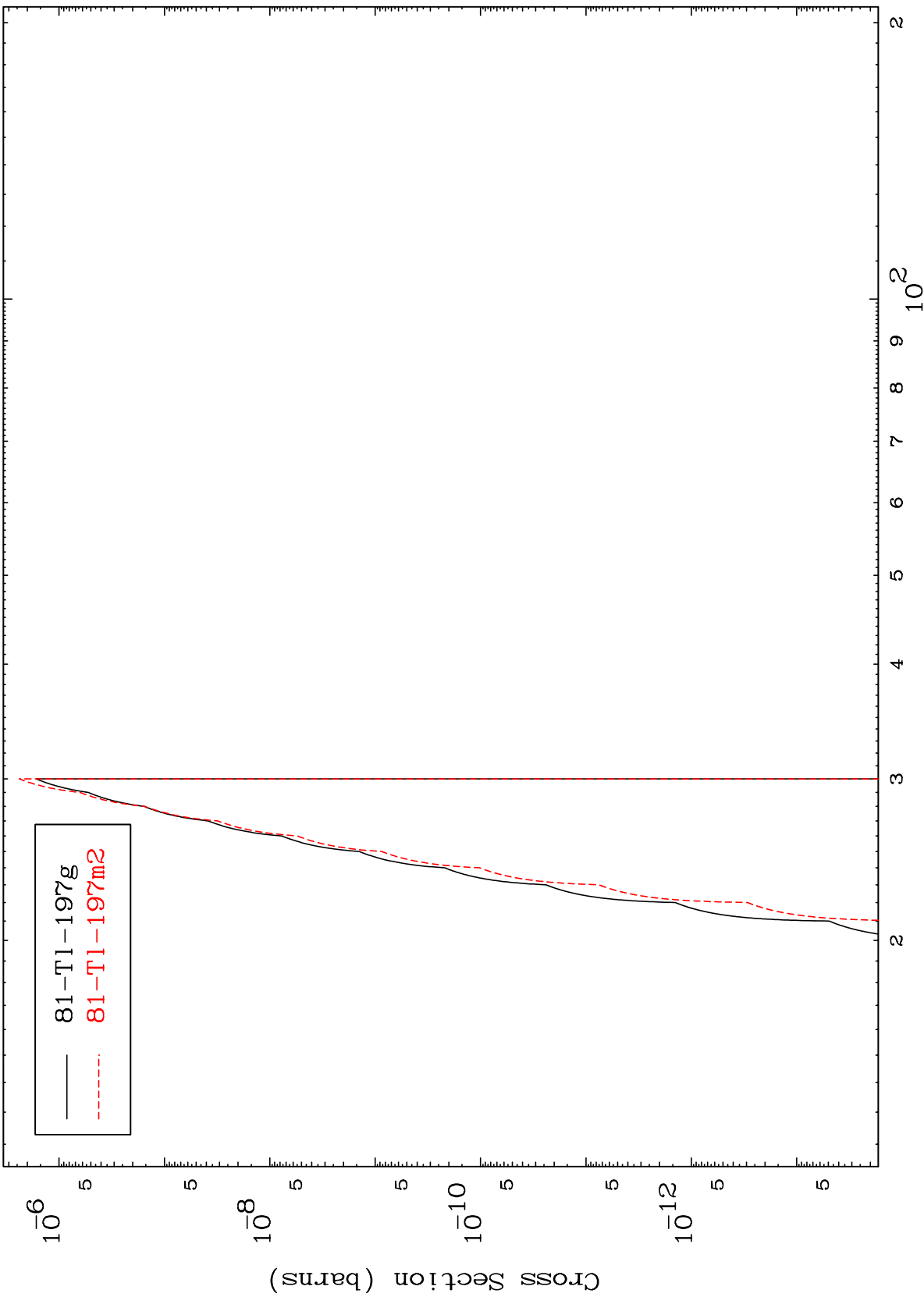


127

Incident Energy (MeV)

83-Bi-203

Radionuclide Production Cross Section

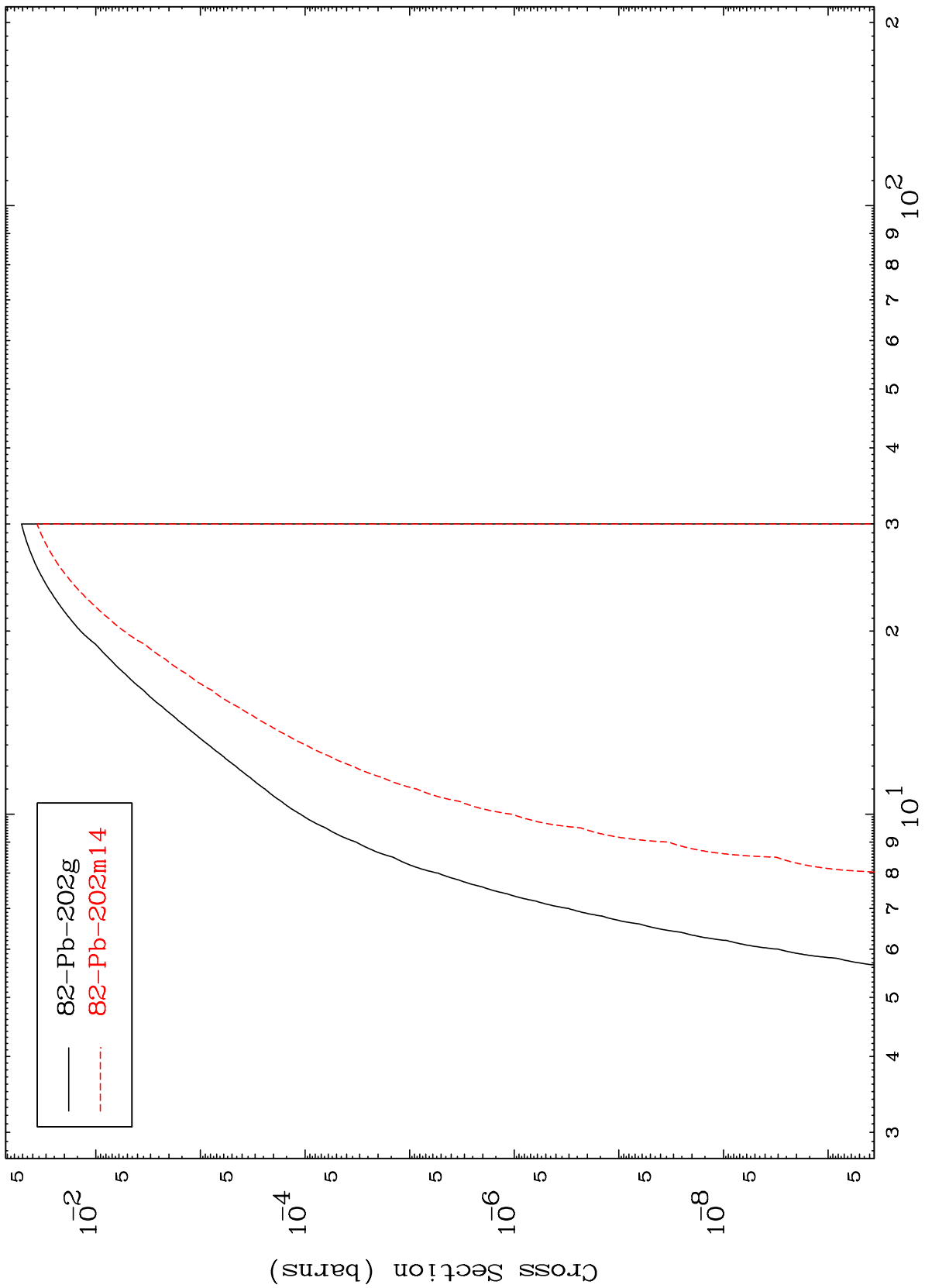


MAT 8307

(n,n') p

83-Bi-203

Radionuclide Production Cross Section



82-Pb-202g
82-Pb-202m14

129

Incident Energy (MeV)

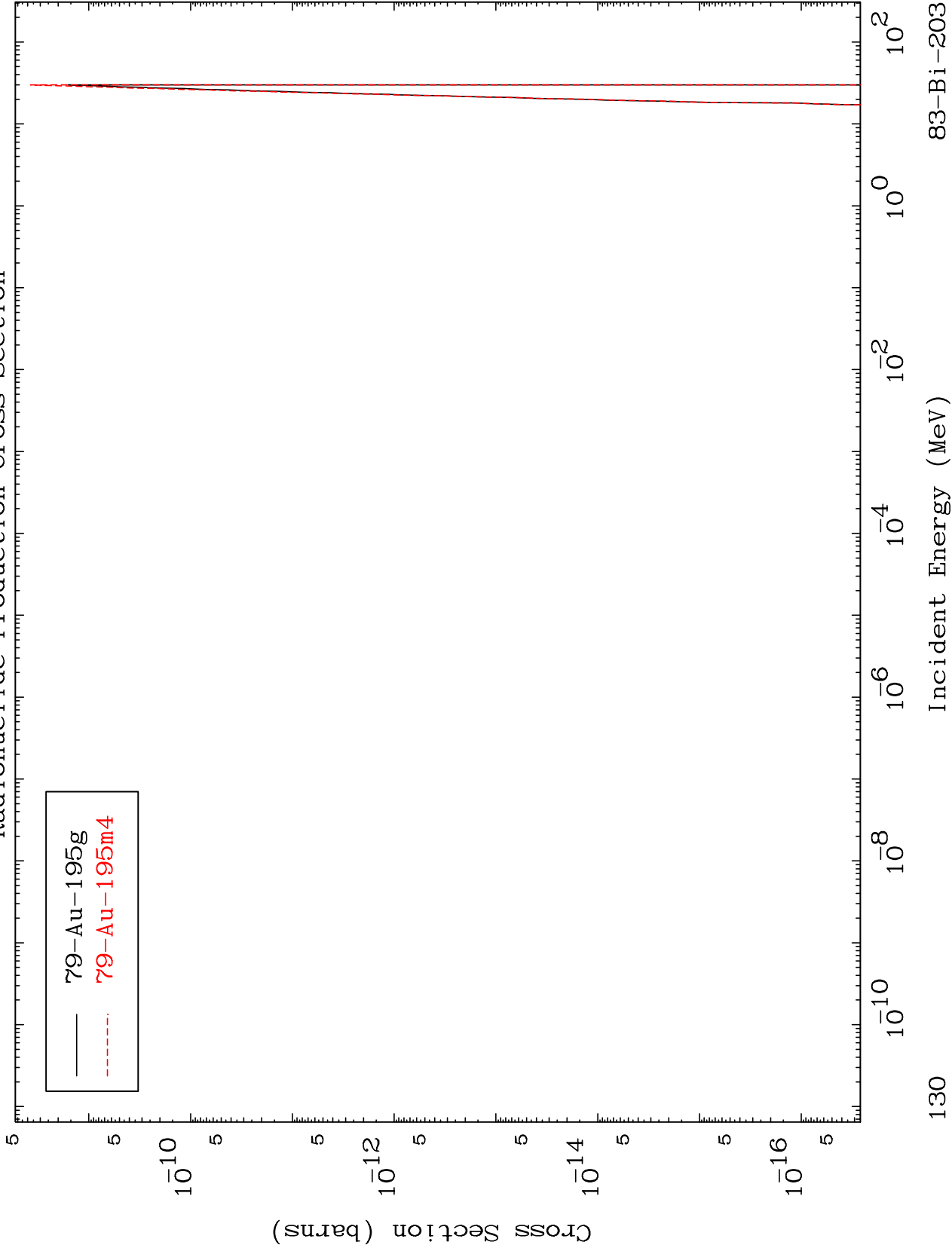
83-Bi-203

MAT 8307

(n,n') 2 α

83-Bi-203

Radionuclide Production Cross Section



130

Incident Energy (MeV)

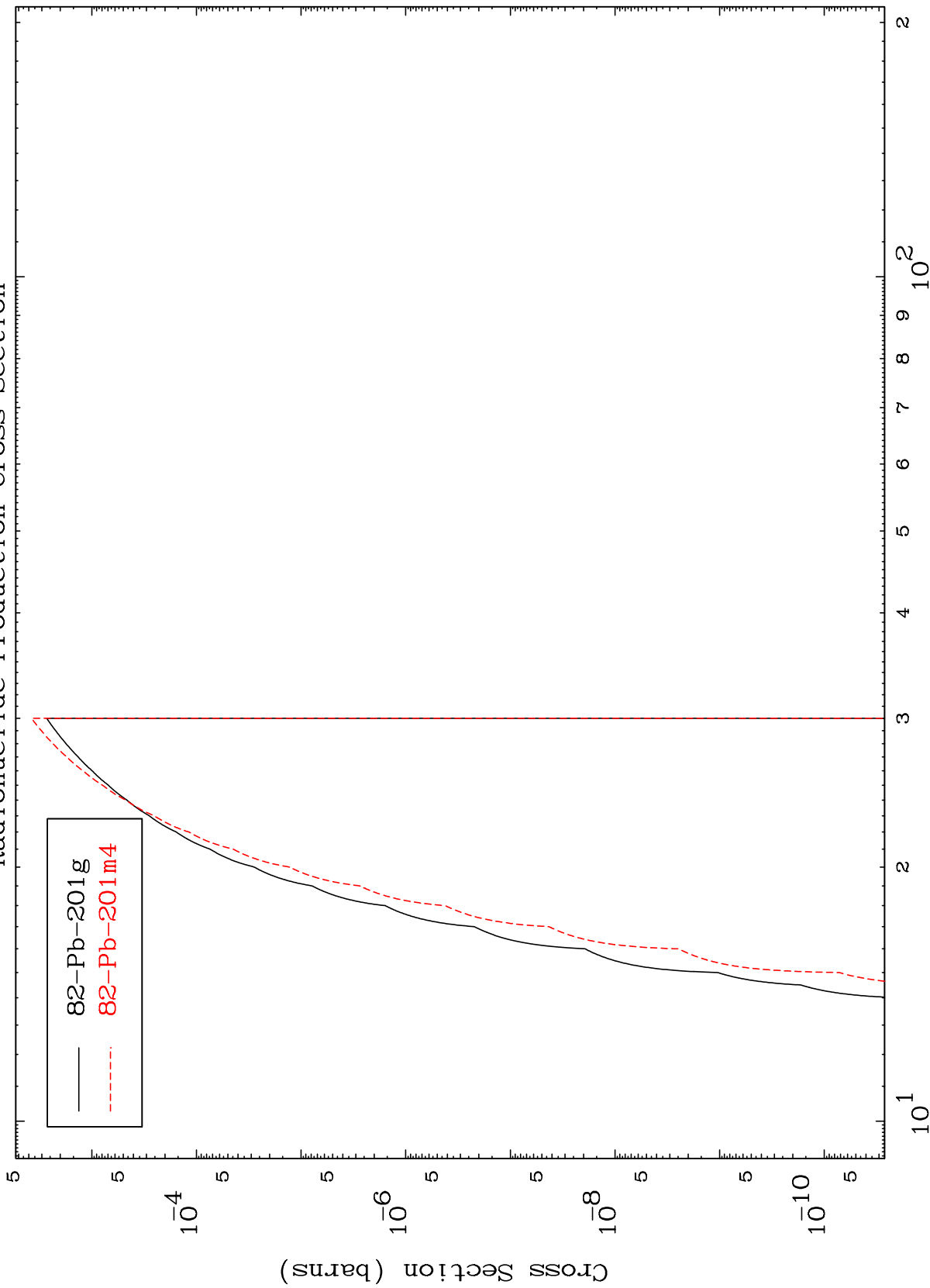
83-Bi-203

MAT 8307

(n,n') d

83-Bi-203

Radionuclide Production Cross Section



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

Incident Energy (MeV)

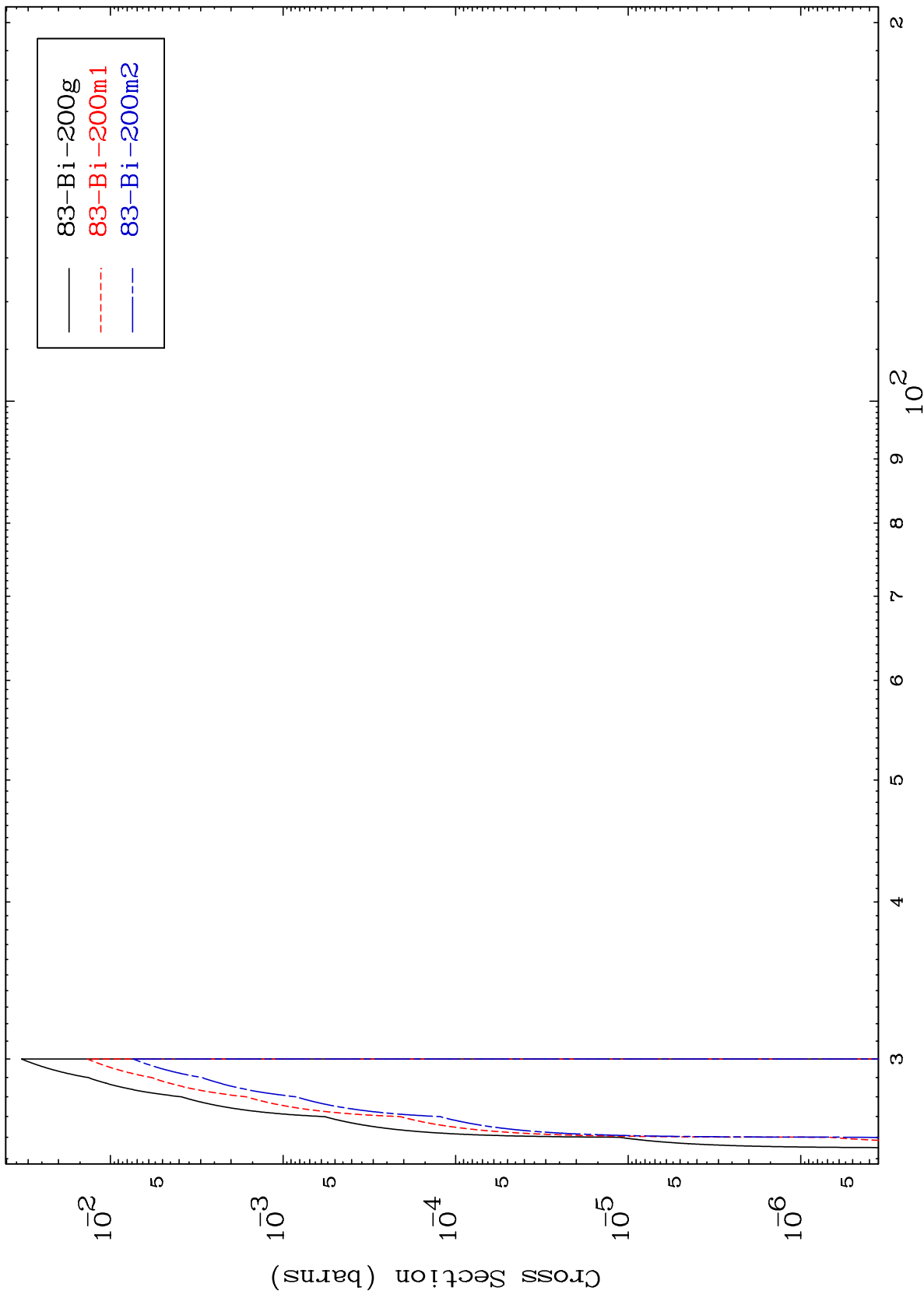
83-Bi-203

131

MAT 8307

83-Bi-203

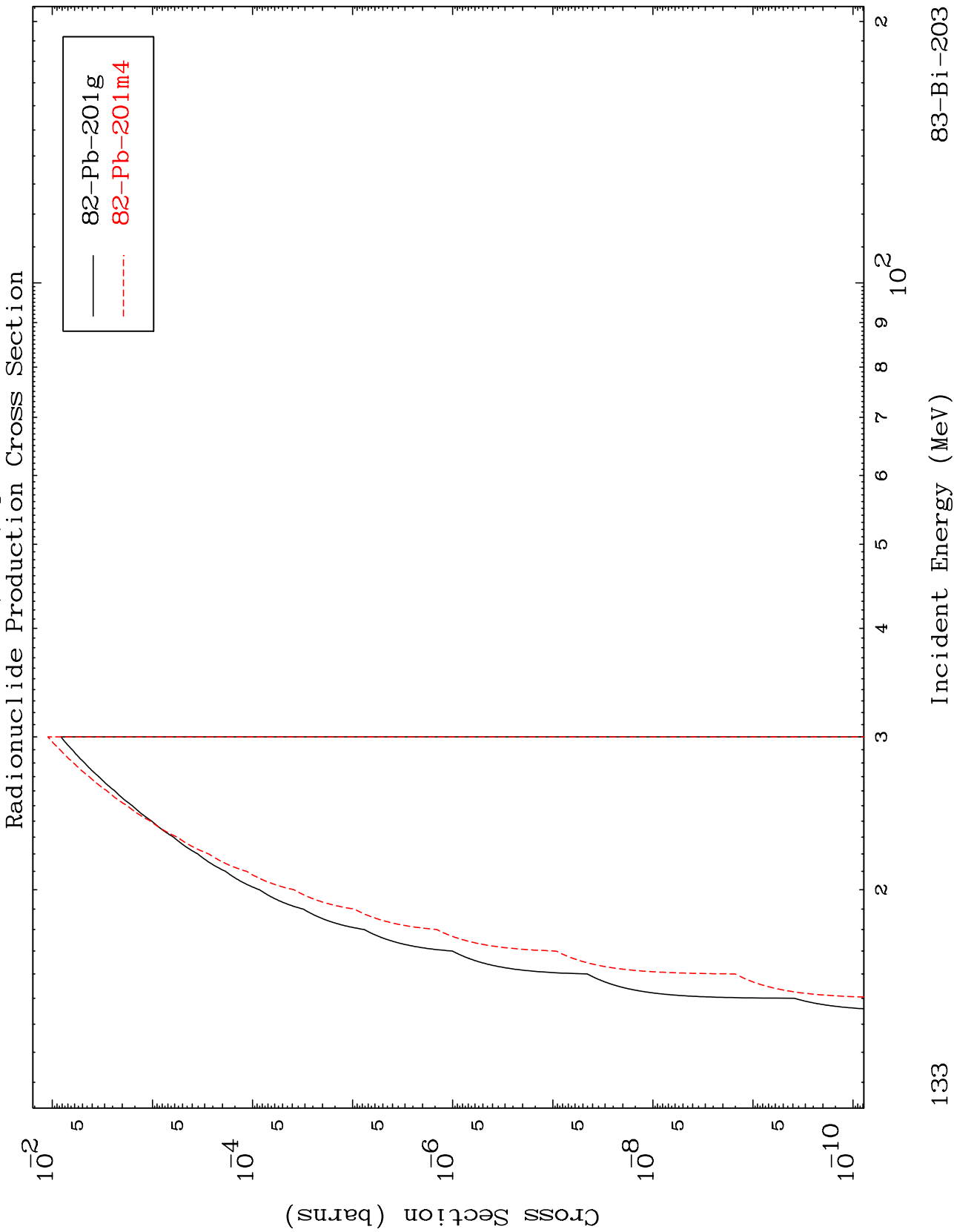
(n,4n)
Radionuclide Production Cross Section



132

83-Bi-203

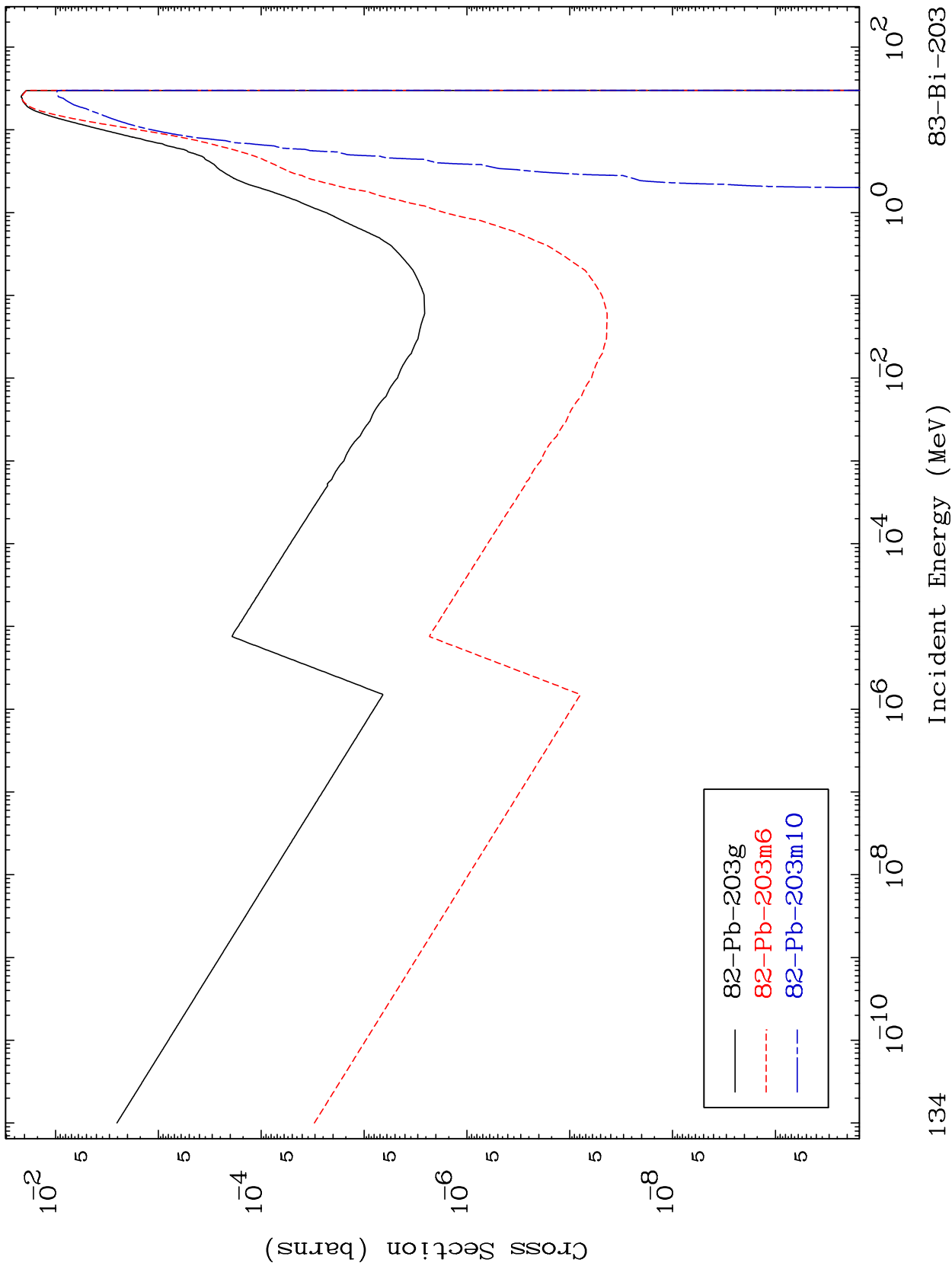
Incident Energy (MeV)



MAT 8307

83-Bi-203

(n,p)
Radionuclide Production Cross Section



134

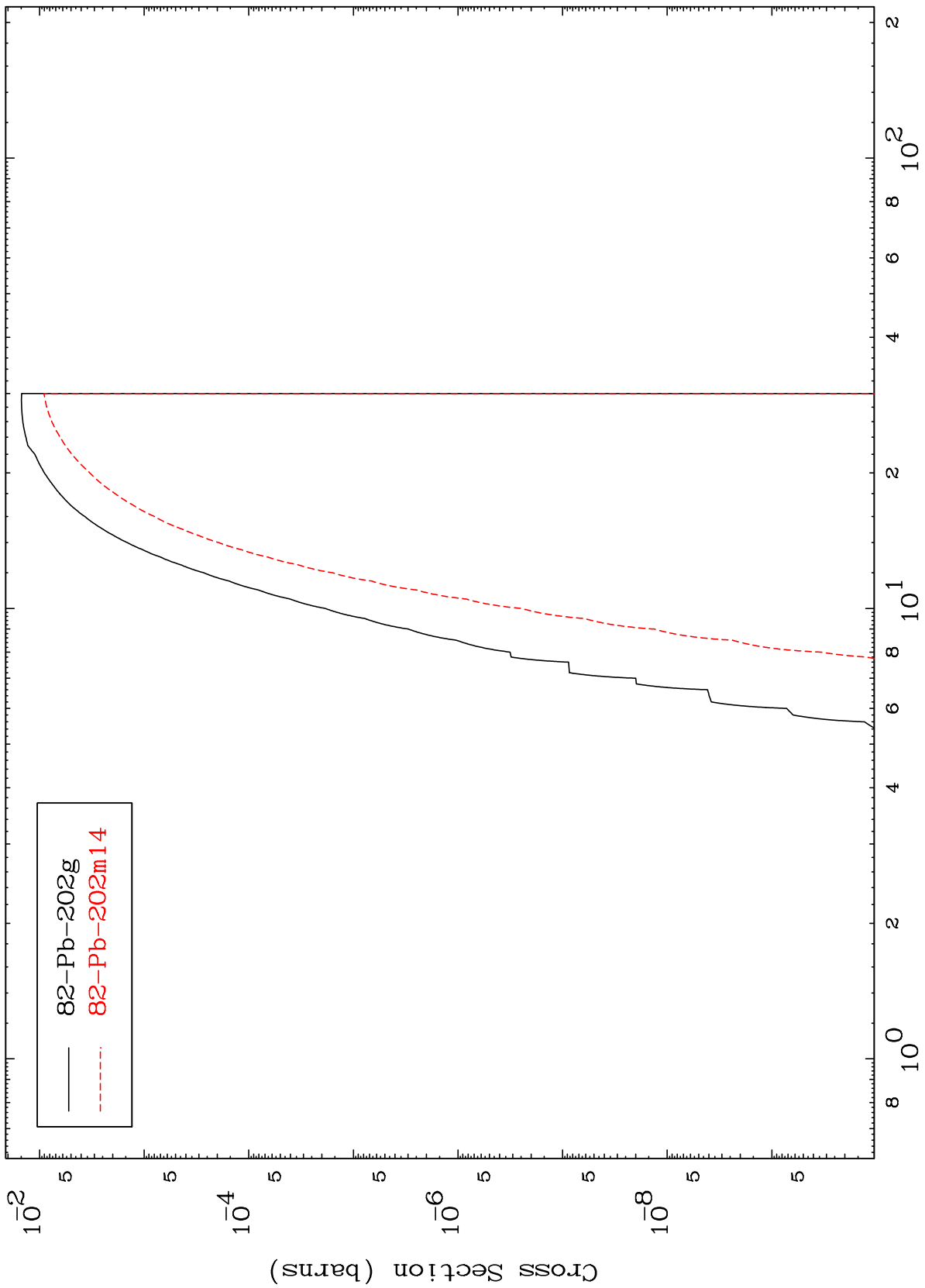
83-Bi-203

MAT 8307

(n,d)

83-Bi-203

Radionuclide Production Cross Section



135

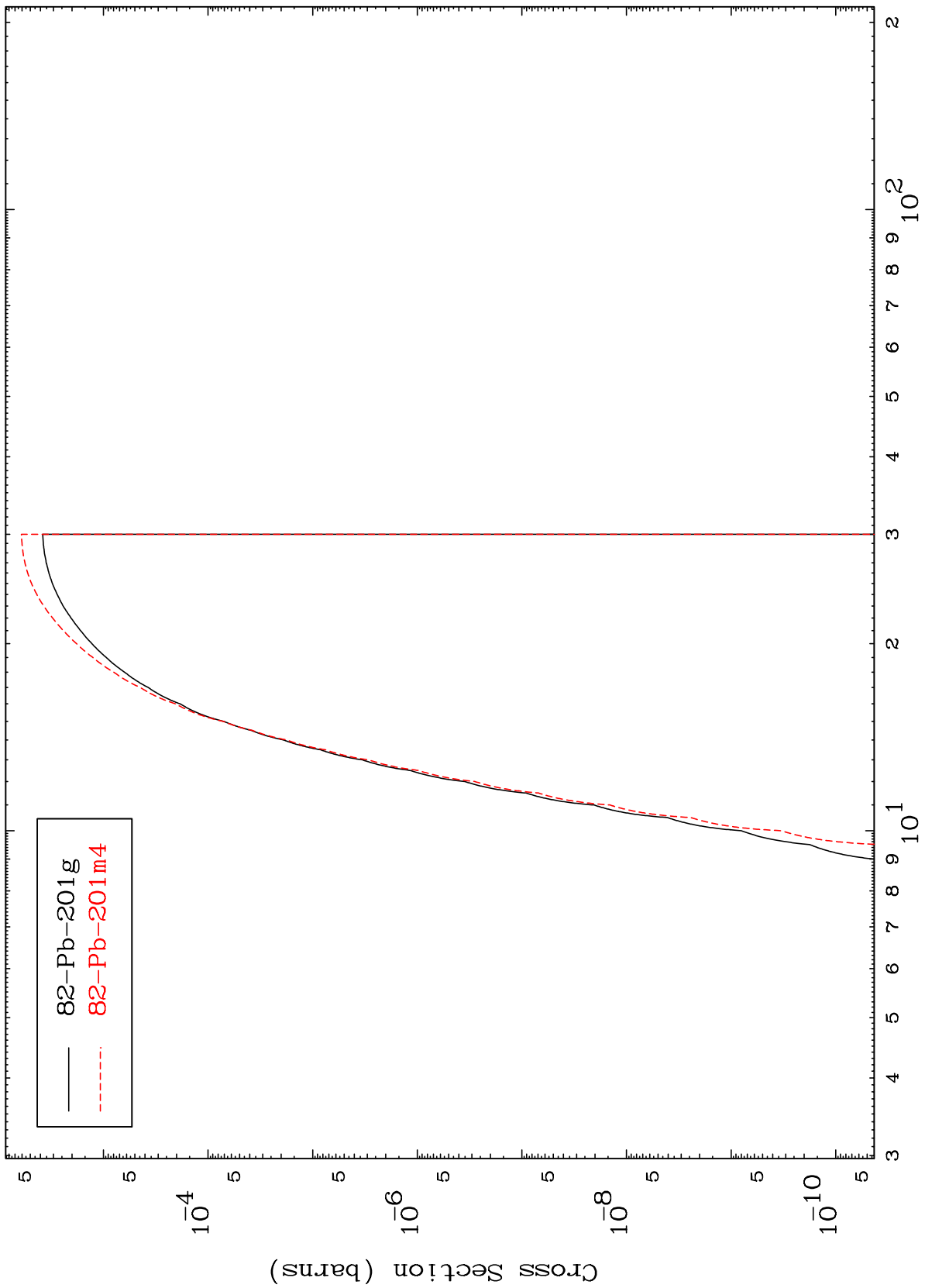
83-Bi-203

83-Bi-203

MAT 8307

83-Bi-203

(n, t)
Radionuclide Production Cross Section



Incident Energy (MeV)

83-Bi-203

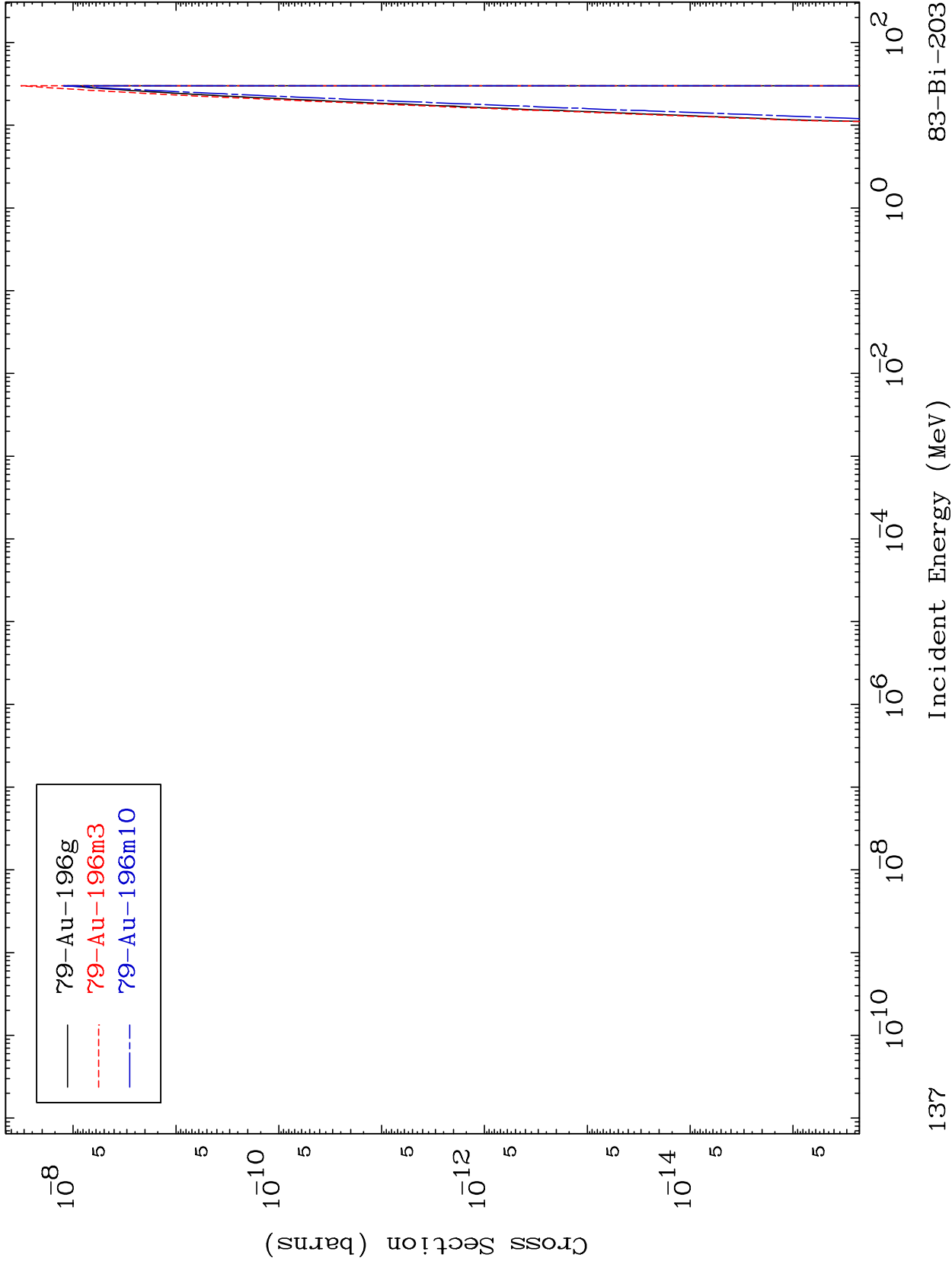
136

MAT 8307

$(n, 2\alpha)$

83-Bi-203

Radionuclide Production Cross Section



MAT 8307

(n,p) α

83-Bi-203

Radionuclide Production Cross Section

