

Program EVALPLOT
(Version 2017-1)

by

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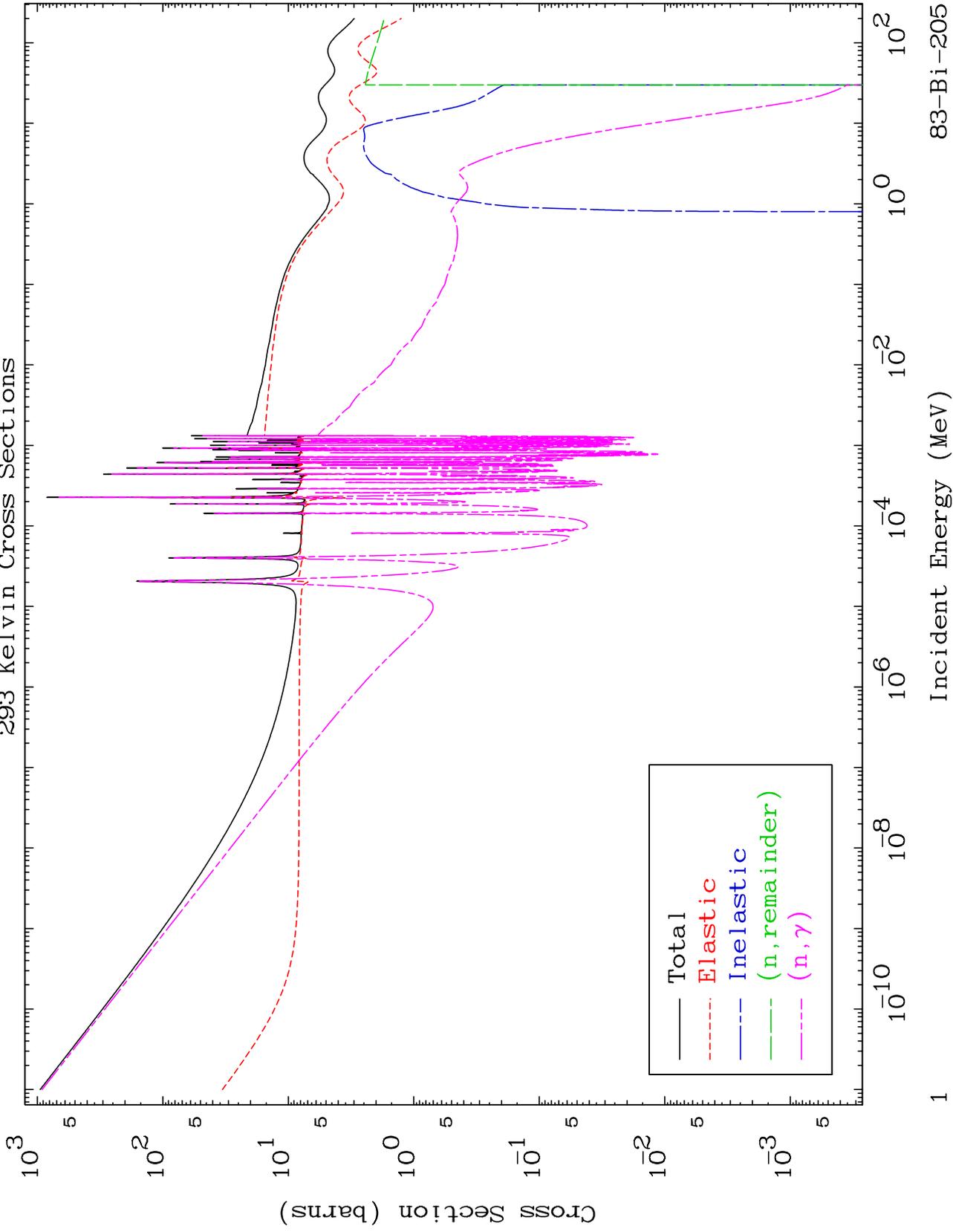
Press Mouse Button to Start

MAT 8313

Major

293 Kelvin Cross Sections

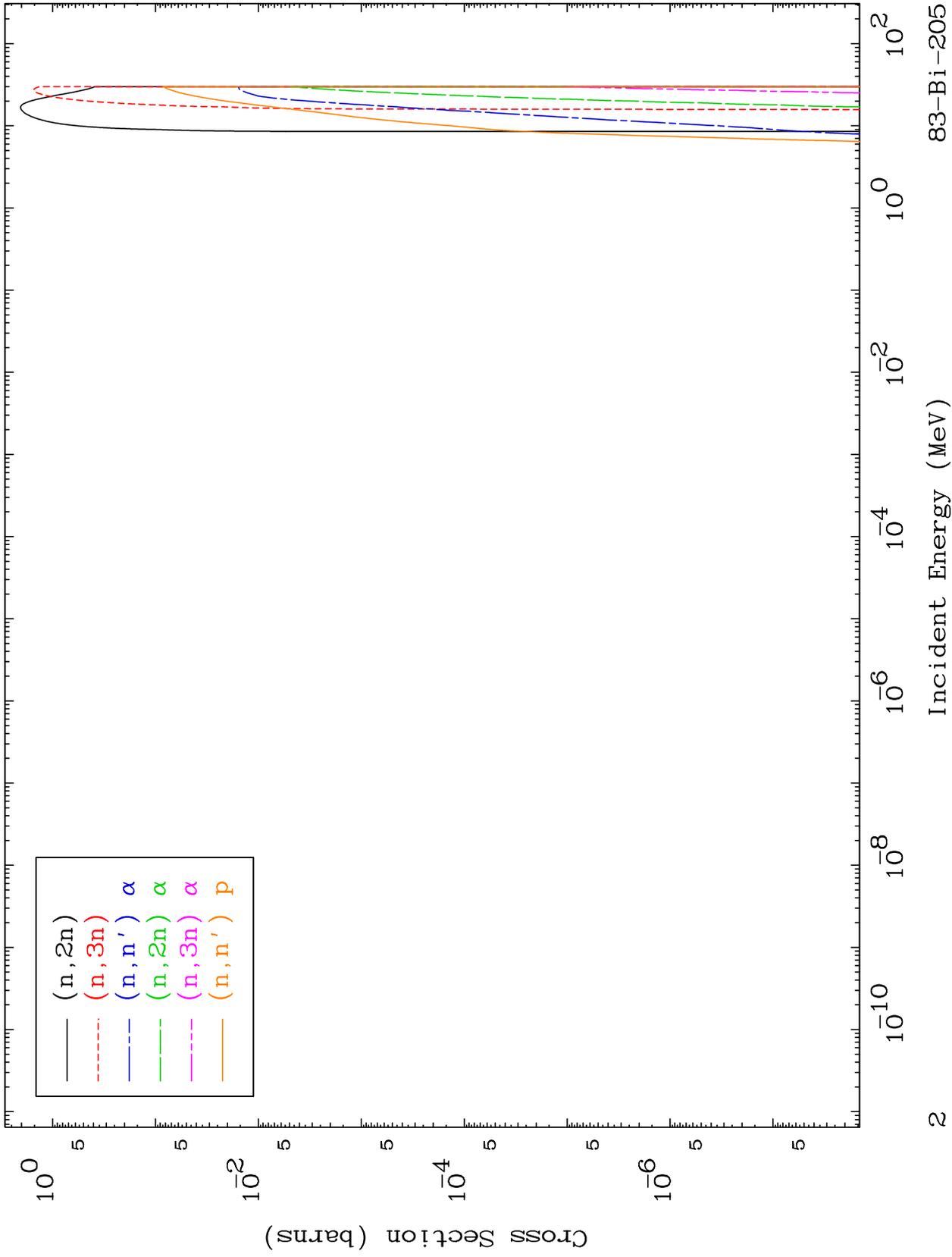
83-Bi-205



MAT 8313

Neutron Production
293 Kelvin Cross Sections

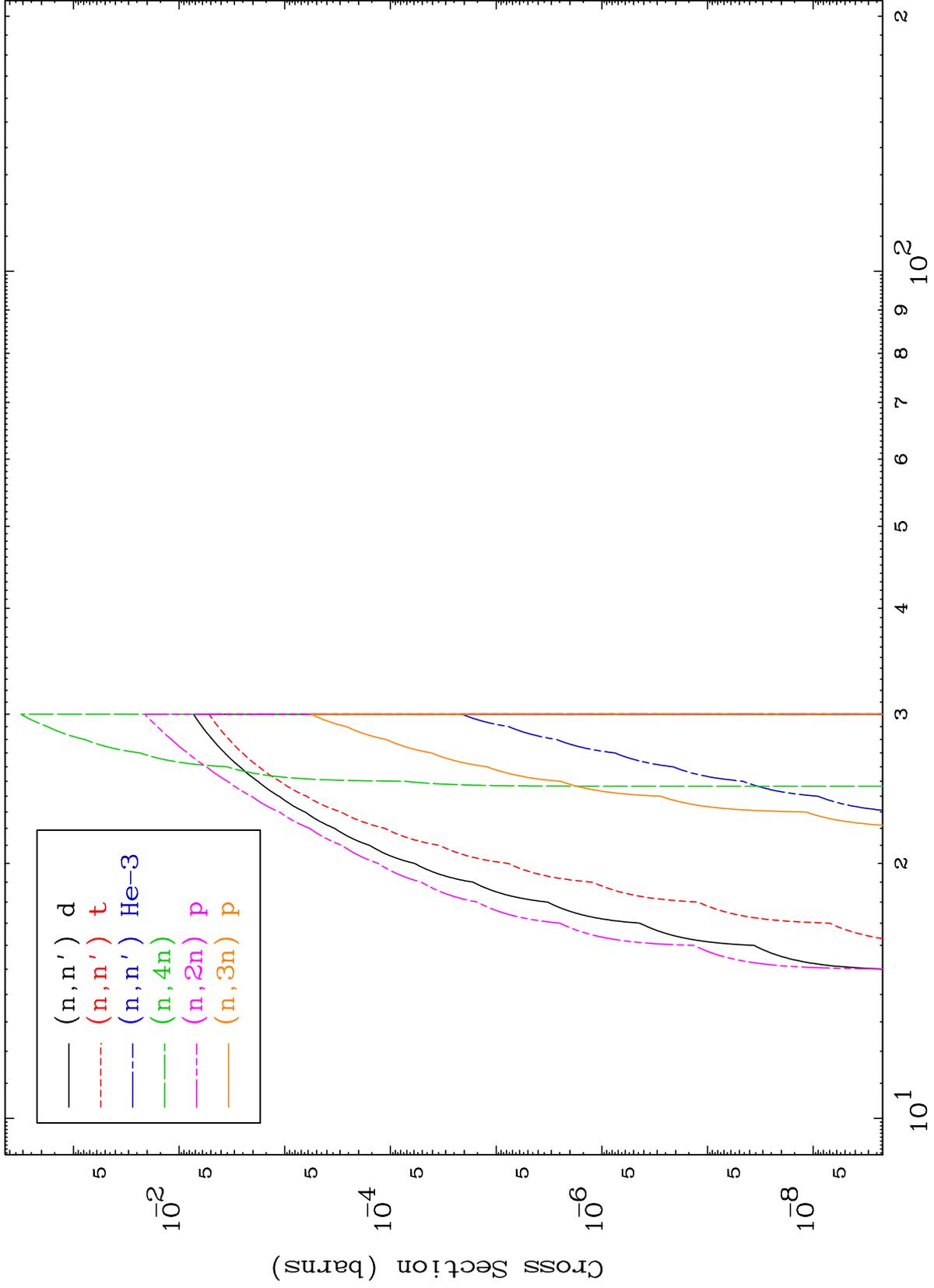
83-Bi-205



MAT 8313

Neutron Production
293 Kelvin Cross Sections

83-Bi-205



83-Bi-205

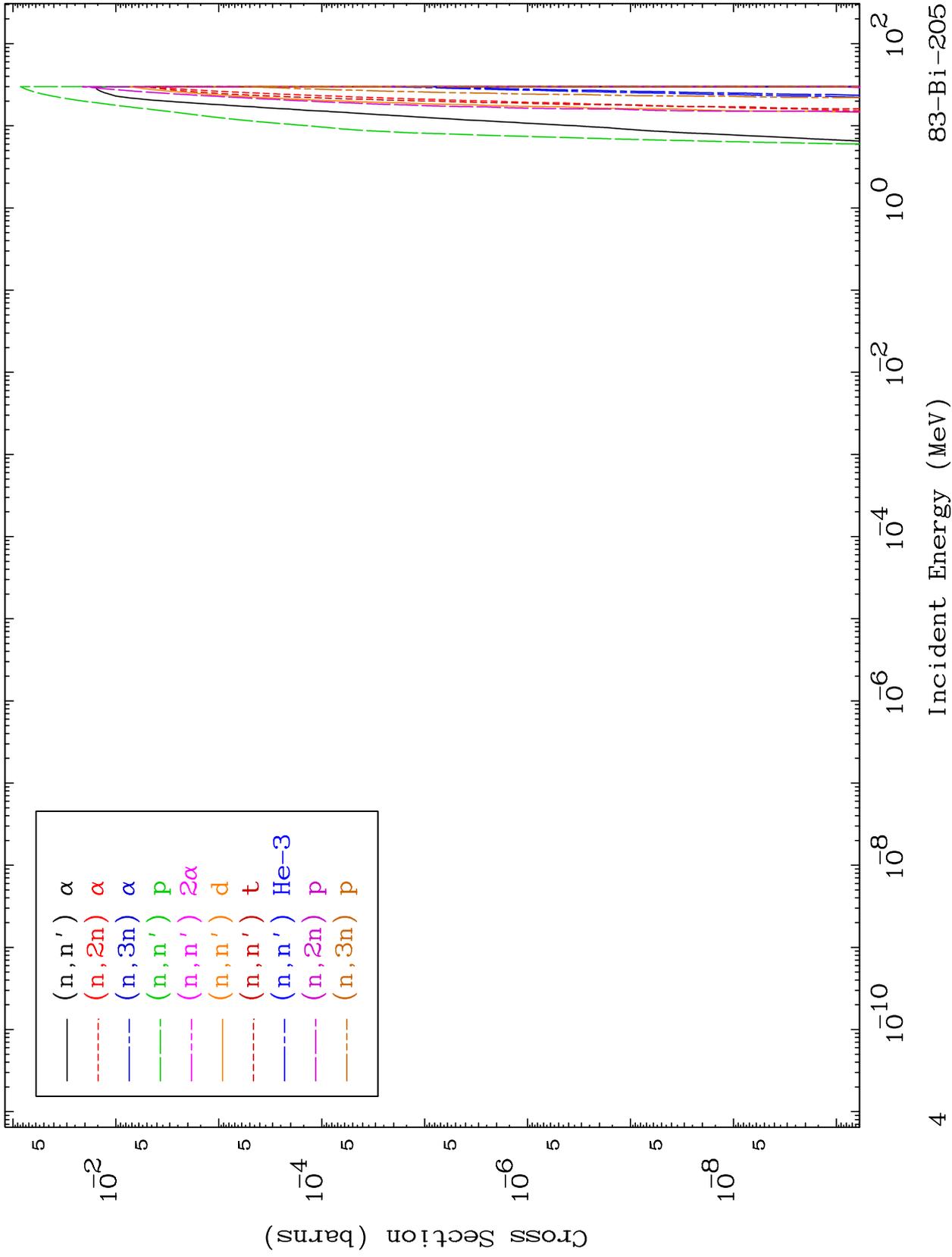
Incident Energy (MeV)

3

MAT 8313

Charged Particle
293 Kelvin Cross Sections

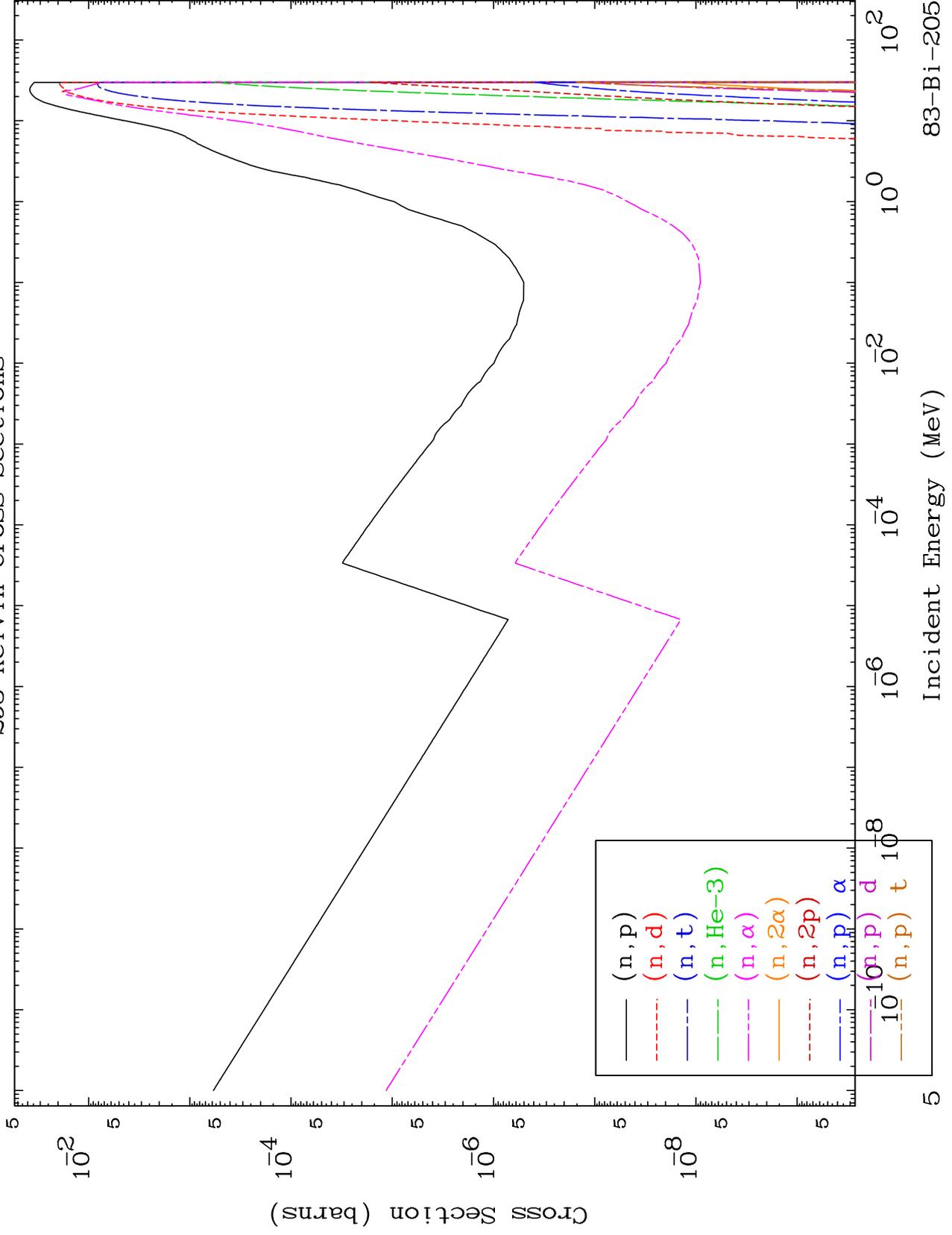
83-Bi-205



MAT 8313

Charged Particle
293 Kelvin Cross Sections

83-Bi-205

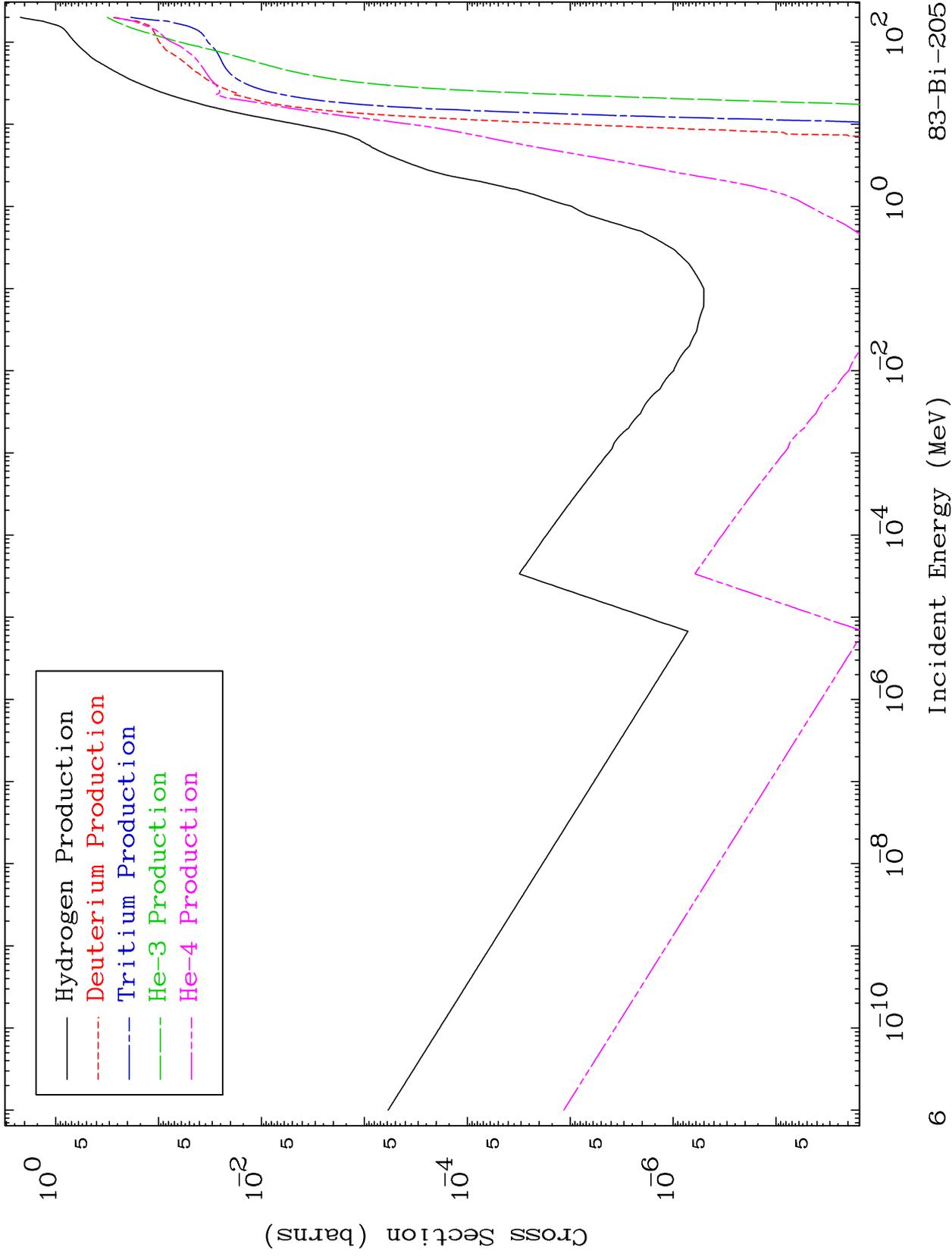


83-Bi-205

MAT 8313

Particle Production
293 Kelvin Cross Sections

83-Bi-205

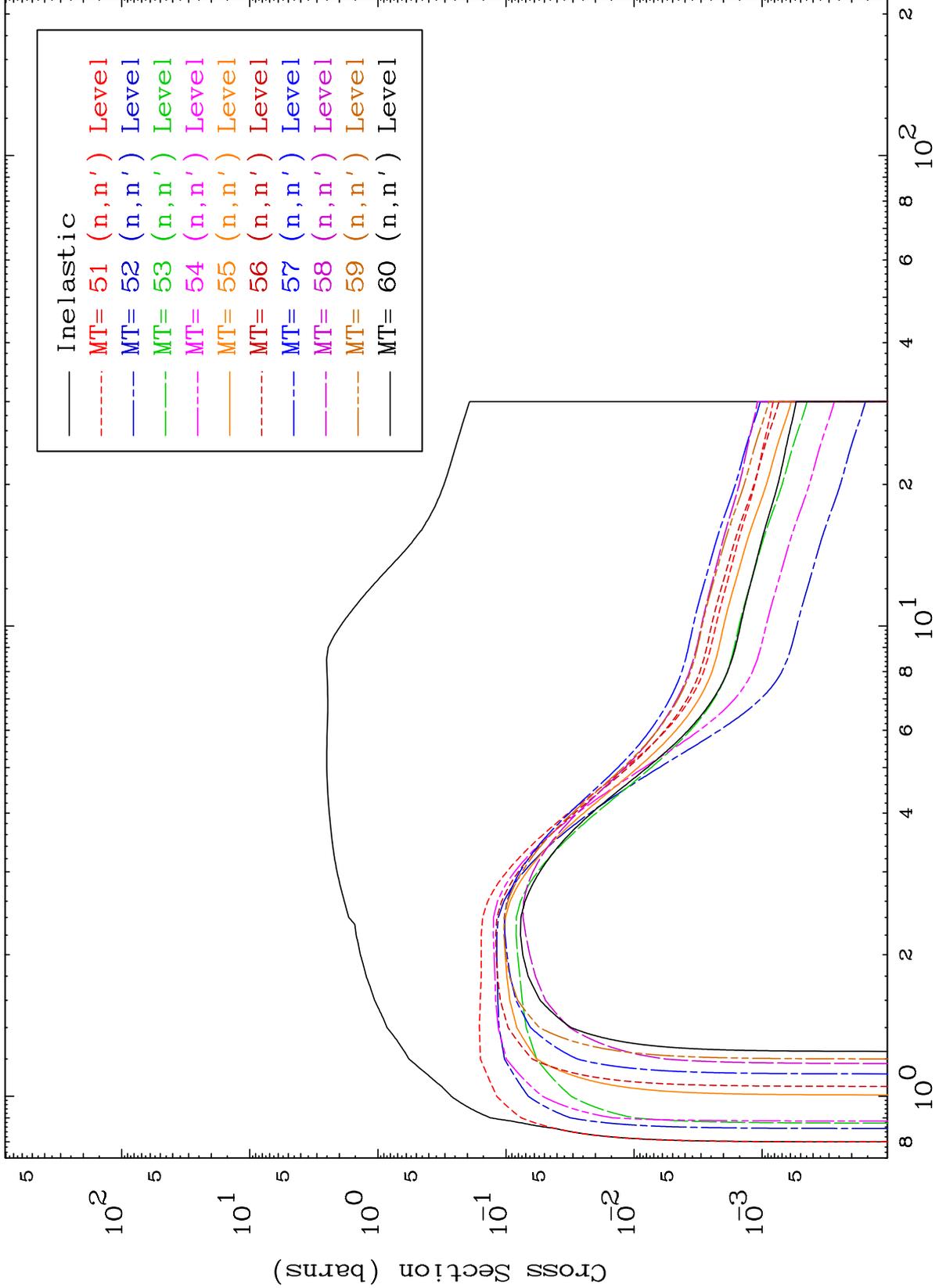


MAT 8313

(n,n') Level

83-Bi-205

293 Kelvin Cross Sections



Incident Energy (MeV)

83-Bi-205

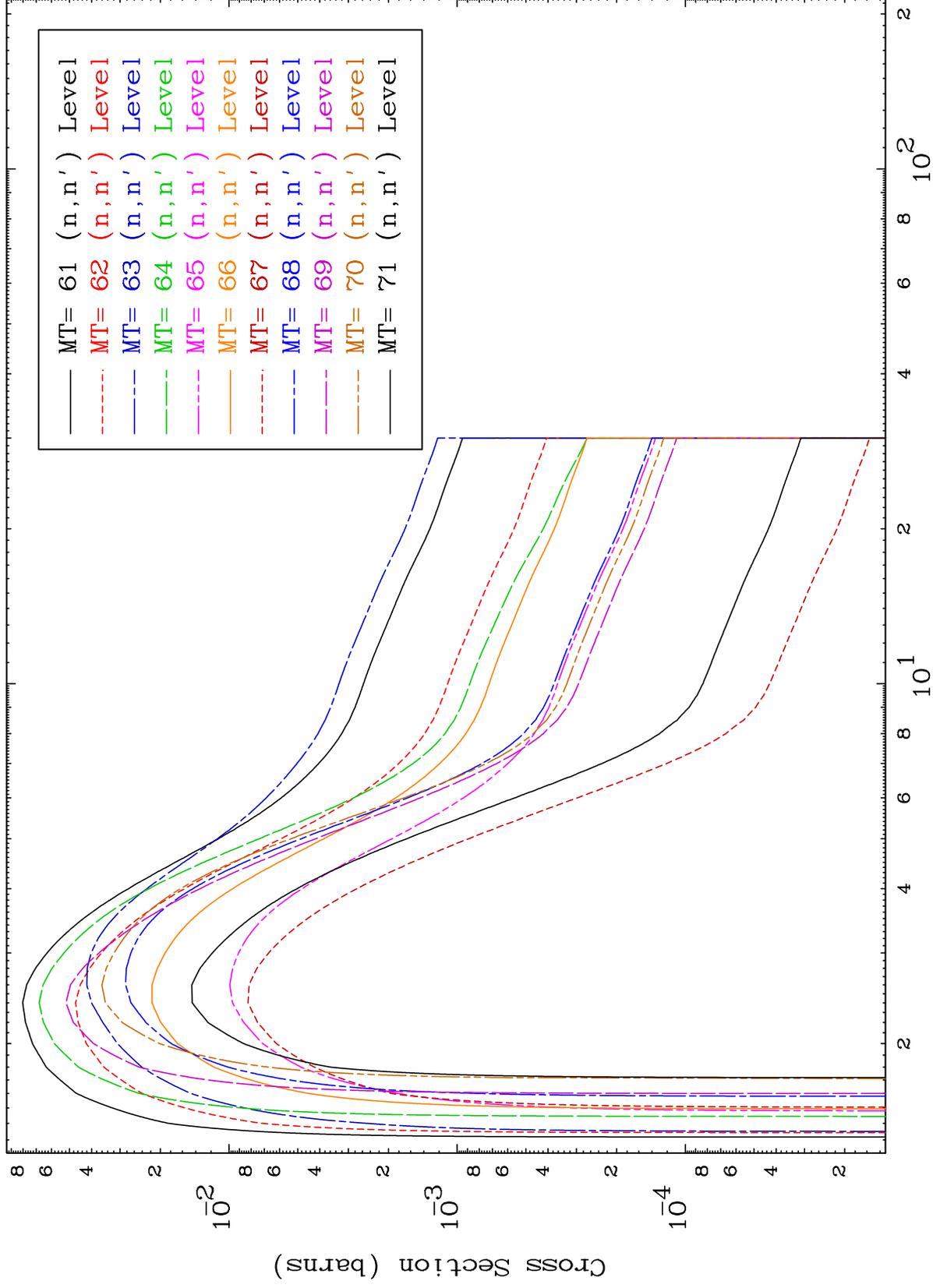
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MAT 8313

(n,n') Level

83-Bi-205

293 Kelvin Cross Sections



8

Incident Energy (MeV)

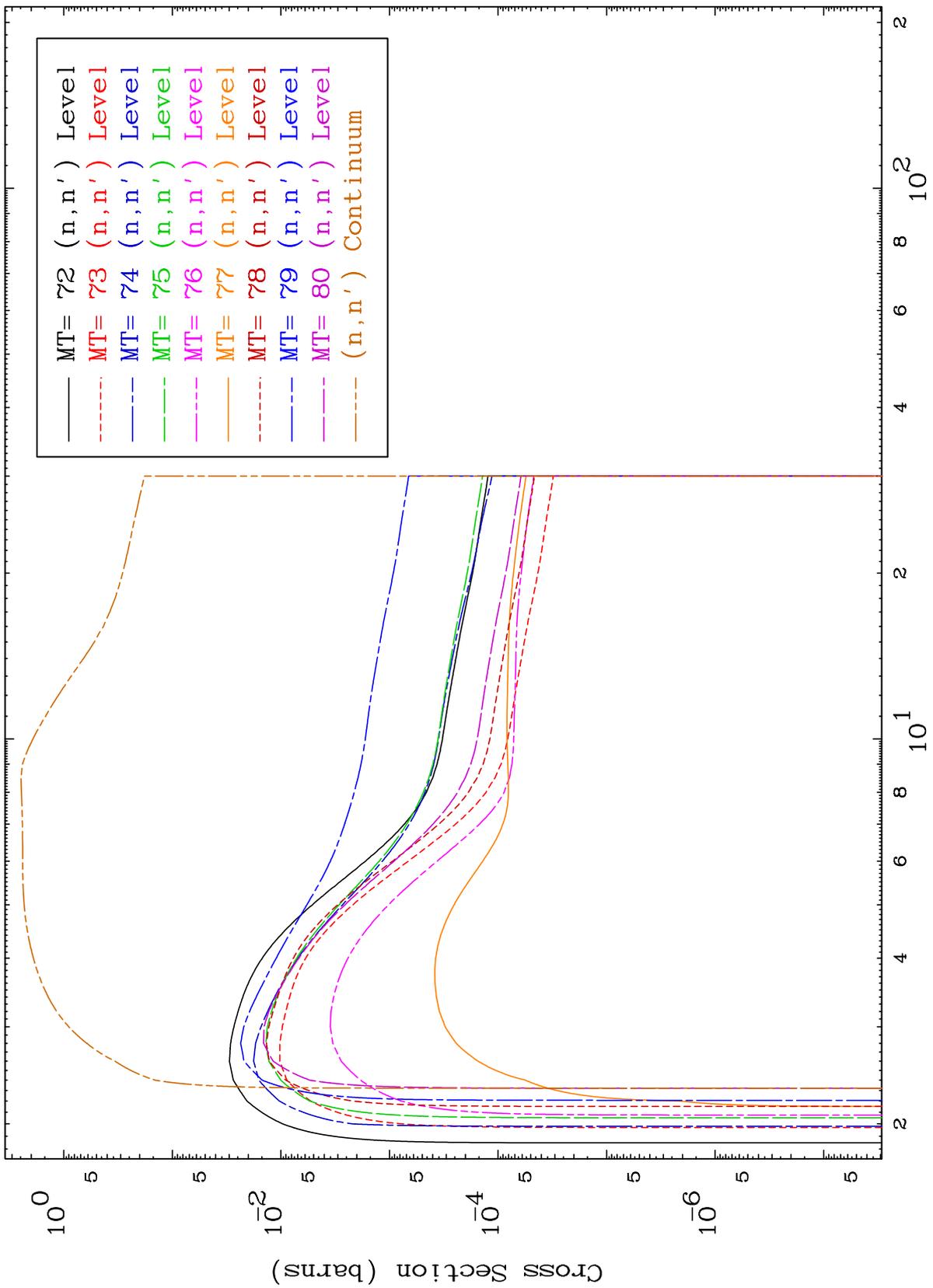
83-Bi-205

MAT 8313

(n,n') Level

83-Bi-205

293 Kelvin Cross Sections



9

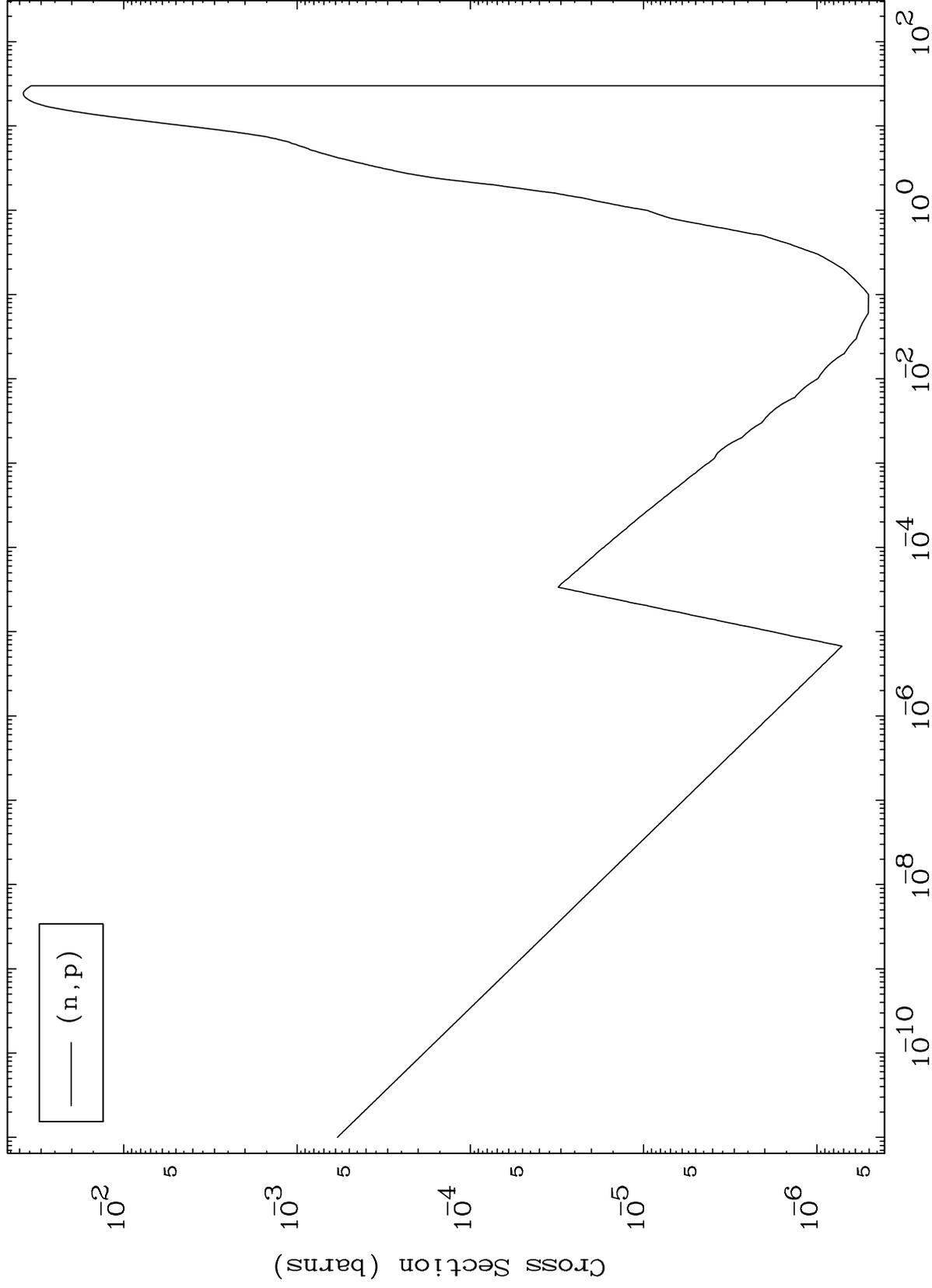
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83-Bi-205

MAT 8313

(n,p) Levels
293 Kelvin Cross Sections

83-Bi-205



10

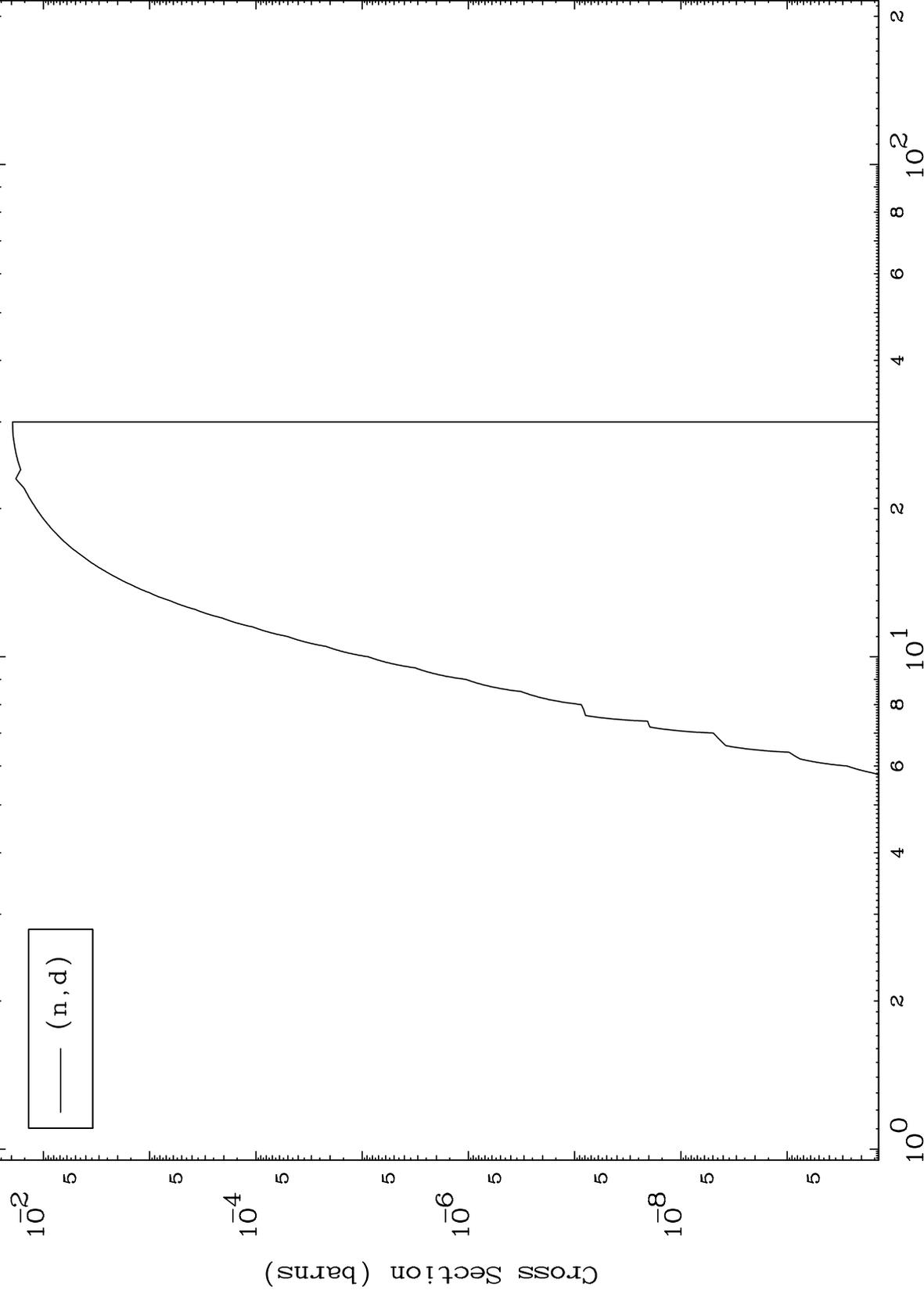
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83-Bi-205

MAT 8313

(n,d) Levels
293 Kelvin Cross Sections

83-Bi-205



11

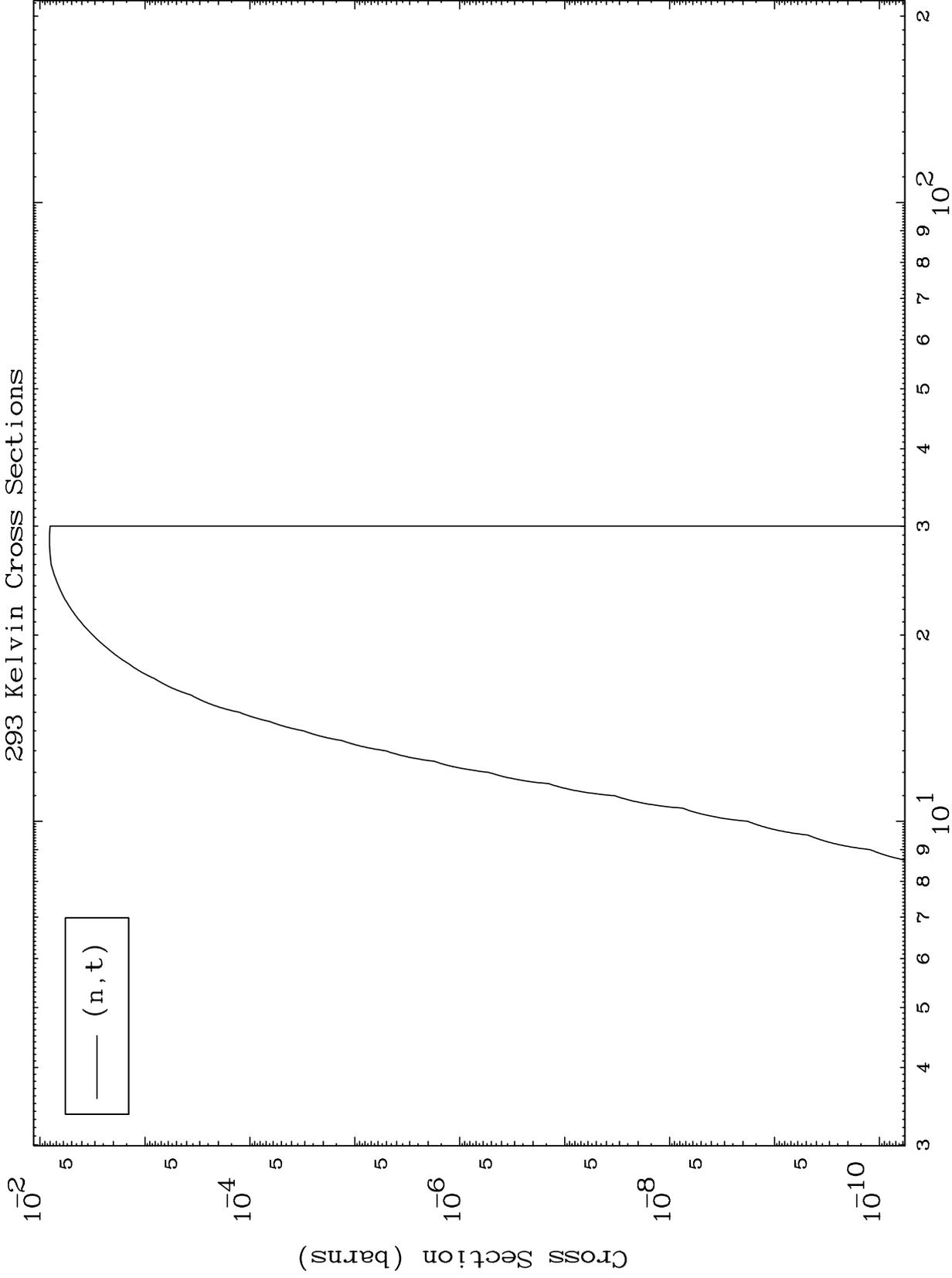
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83-Bi-205

MAT 8313

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-205



12

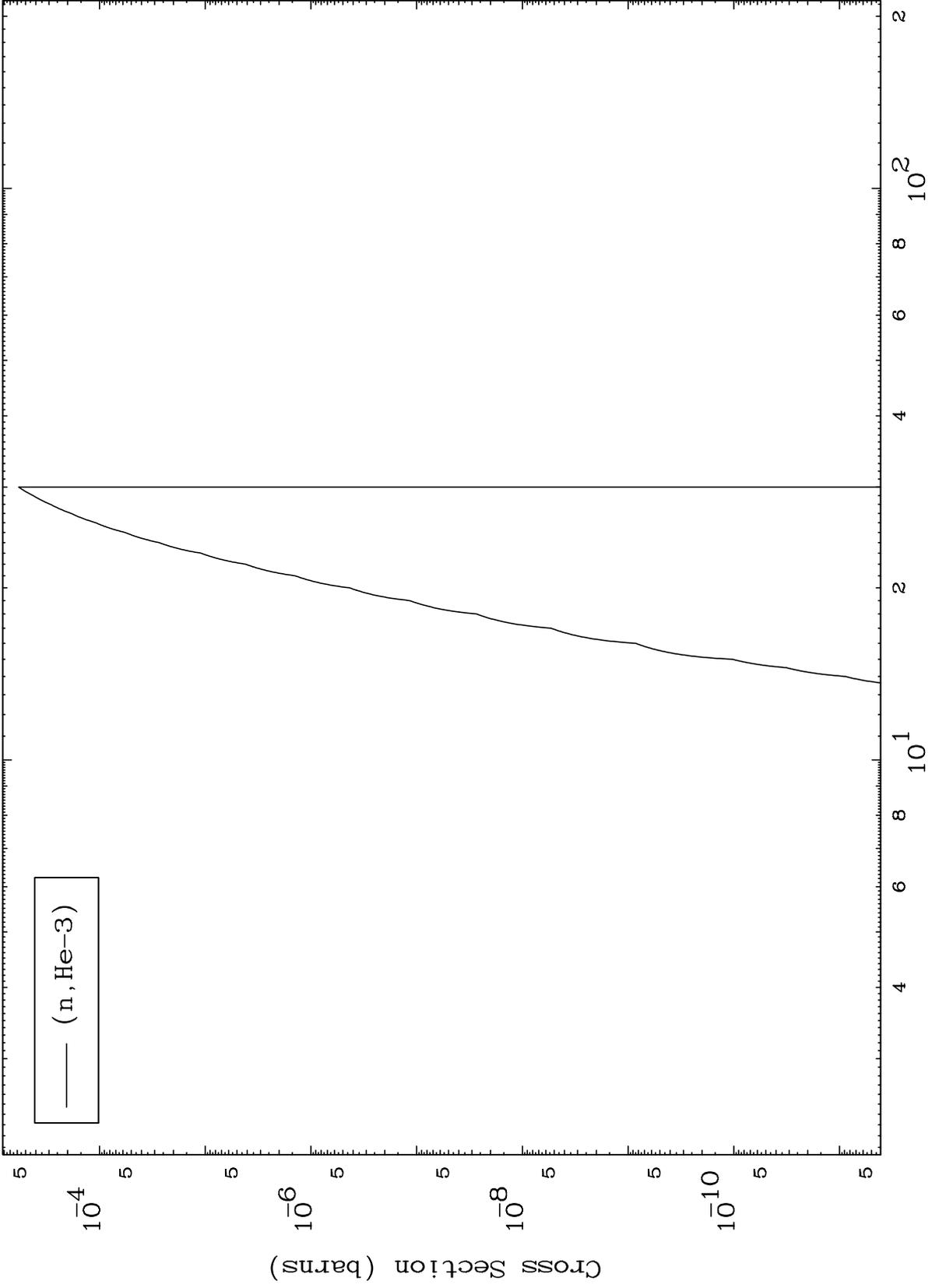
Incident Energy (MeV)

83-Bi-205

MAT 8313

(n,He3) Levels
293 Kelvin Cross Sections

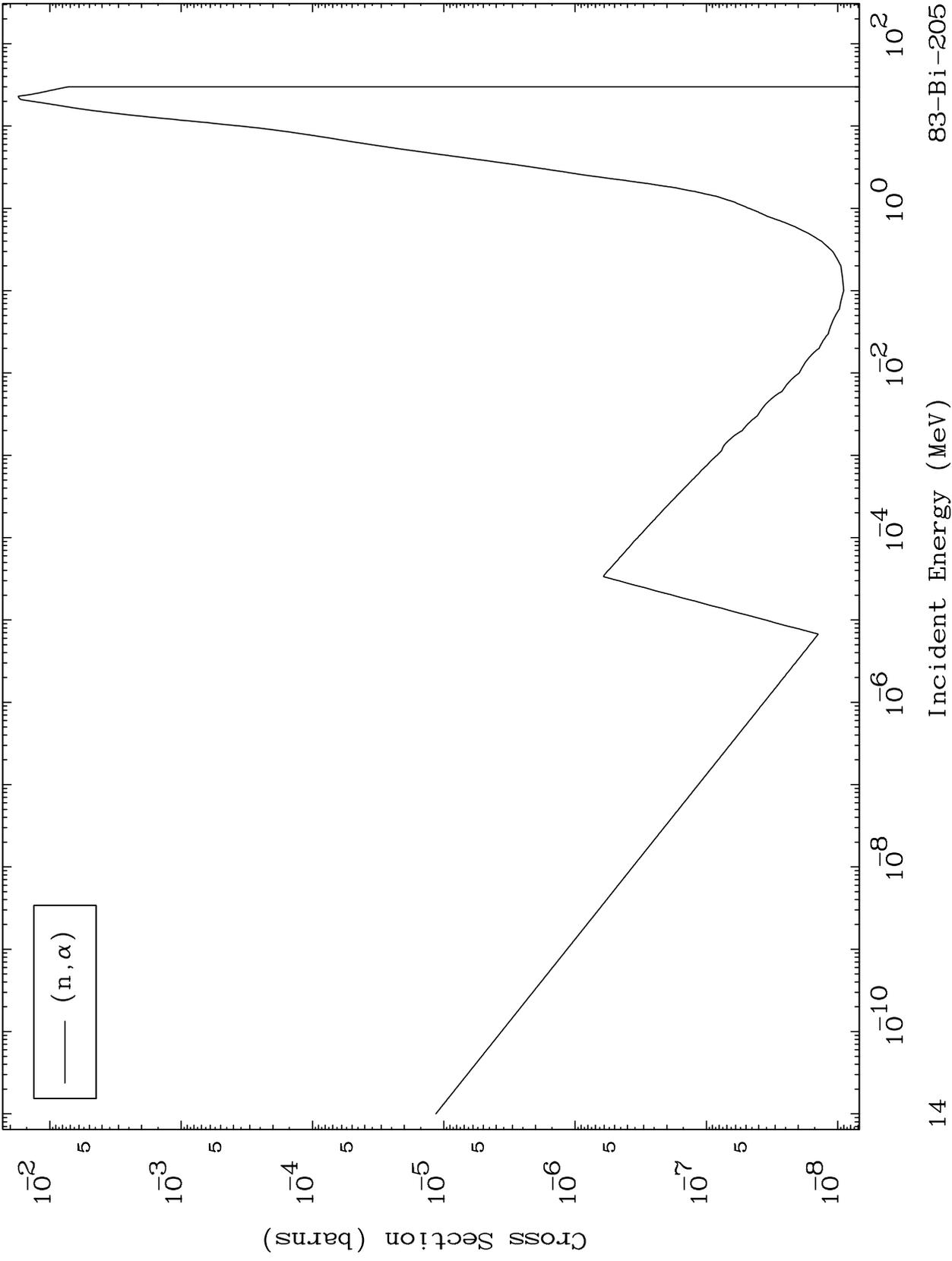
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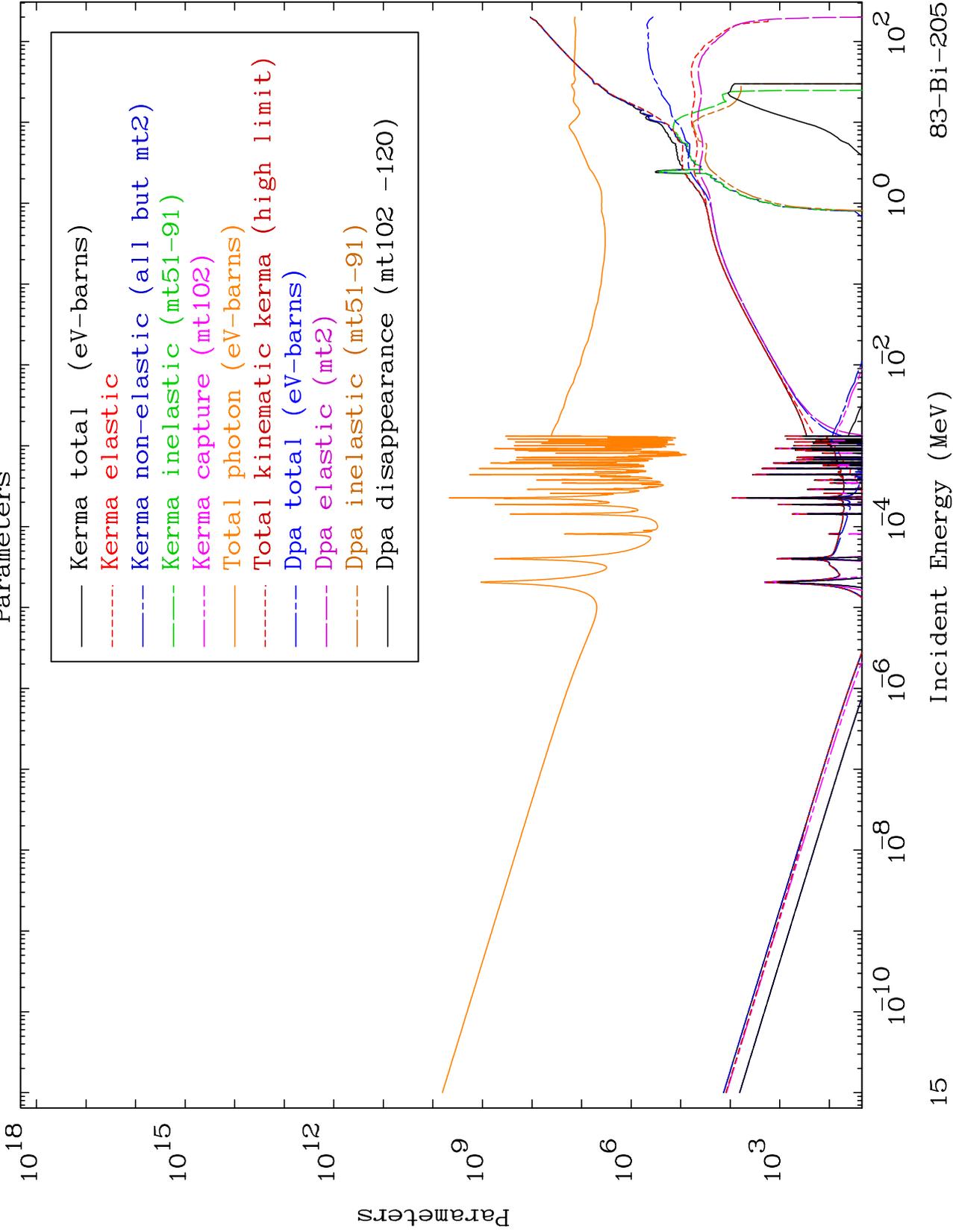


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(n, α) Levels
293 Kelvin Cross Sections

83-Bi-205

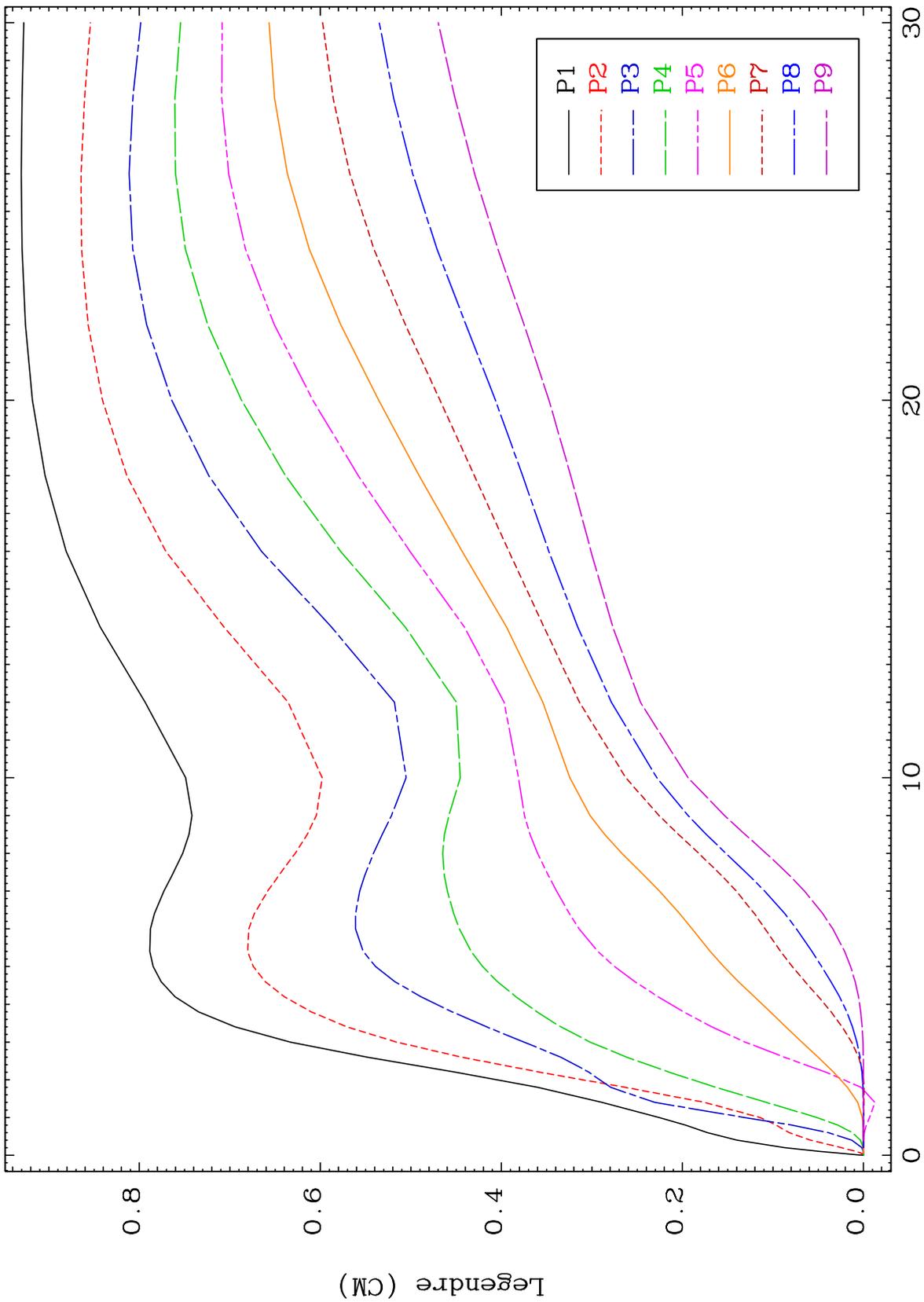




MAT 8313

83-Bi-205

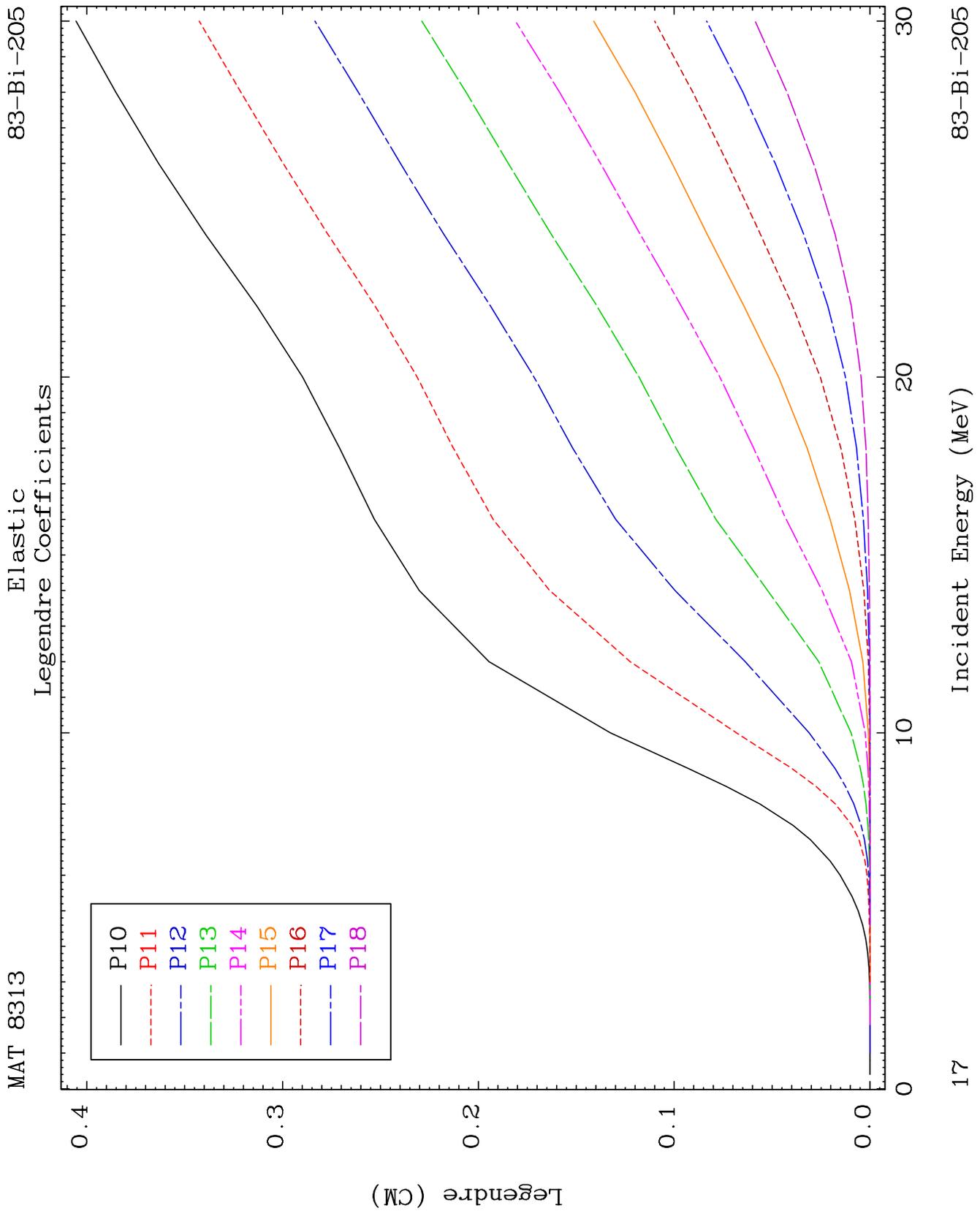
Elastic Legendre Coefficients



83-Bi-205

Incident Energy (MeV)

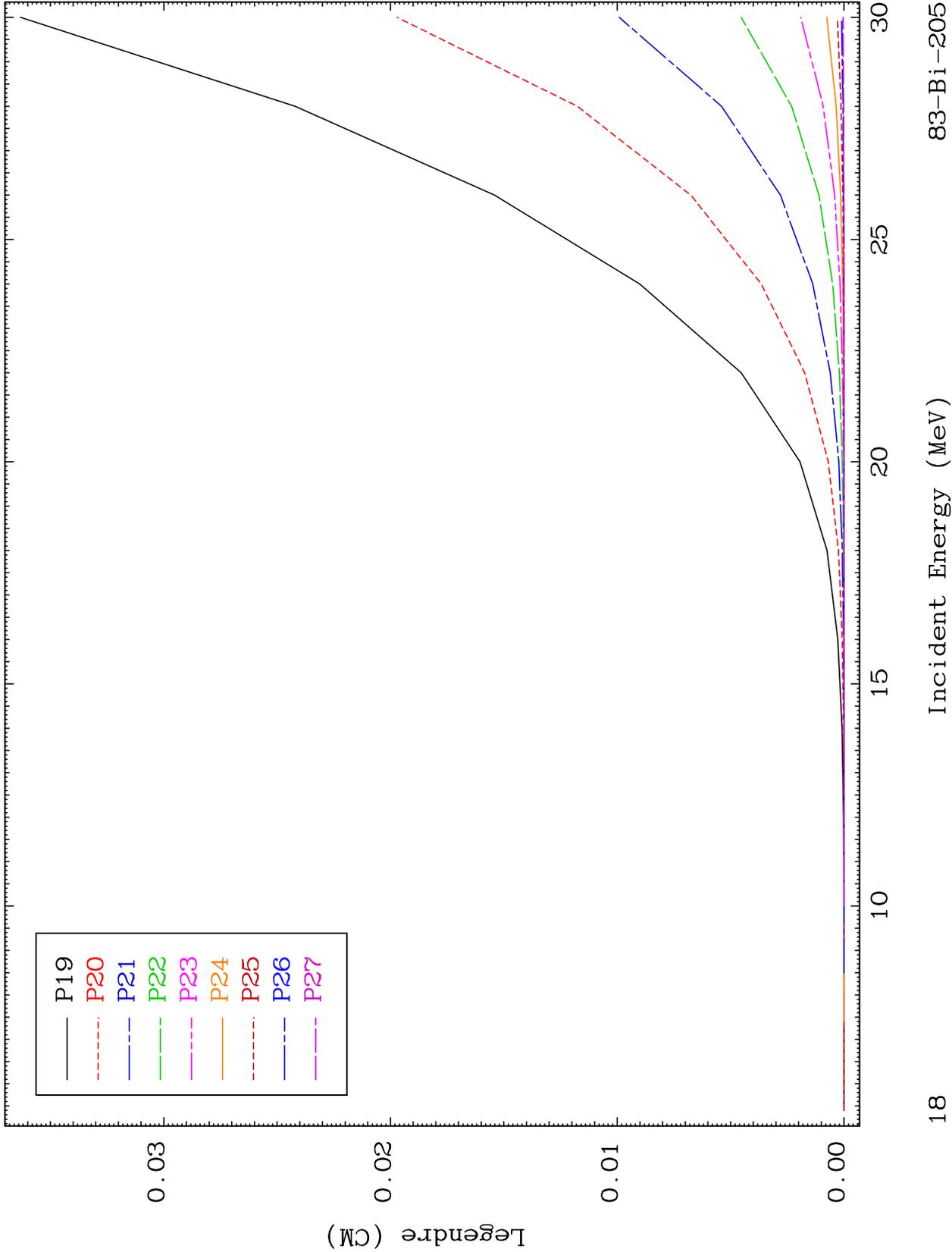
16



MAT 8313

Elastic Legendre Coefficients

83-Bi-205



18

Incident Energy (MeV)

83-Bi-205

30

25

20

15

Legendre (CM)

0.03

0.02

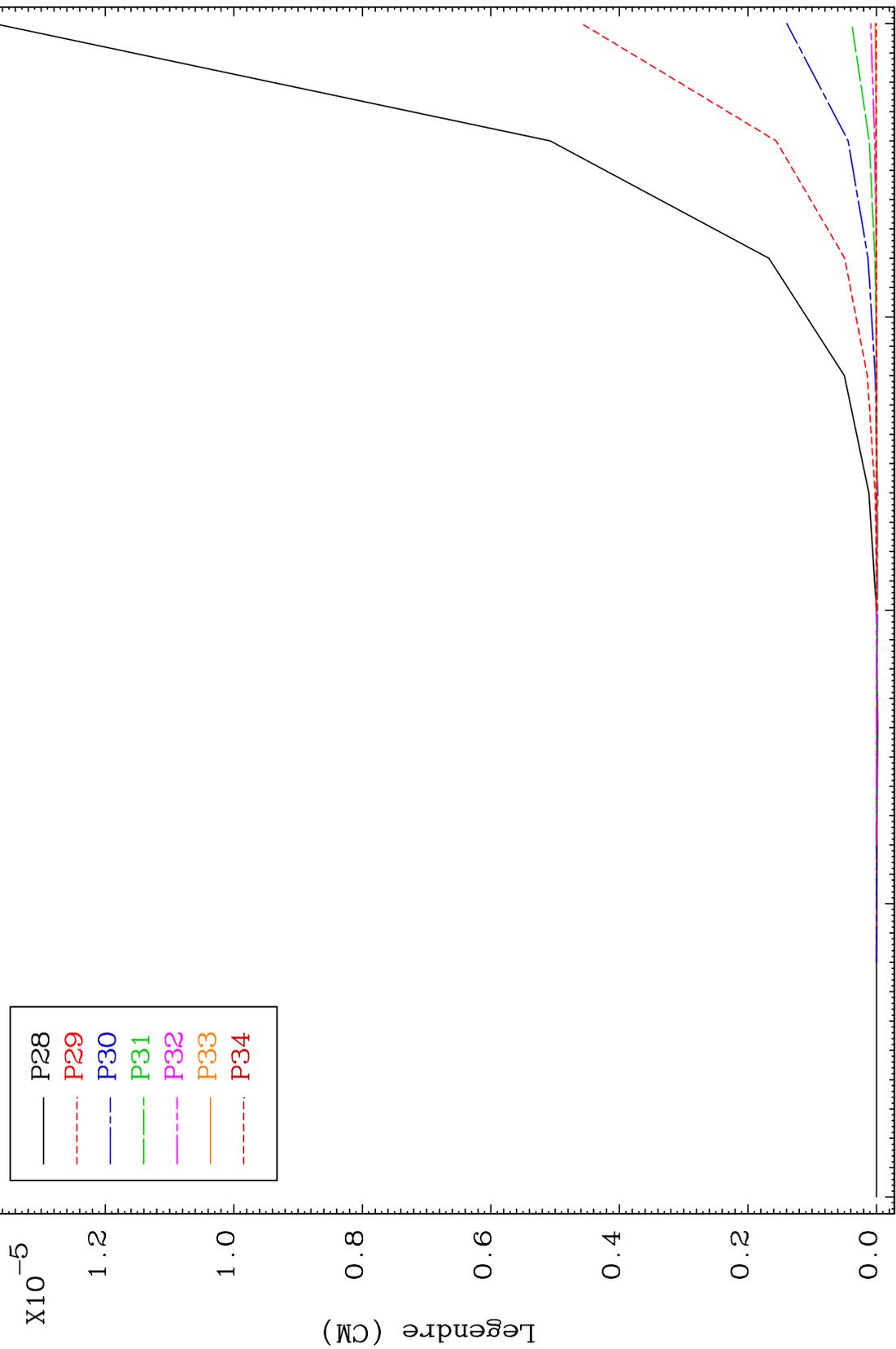
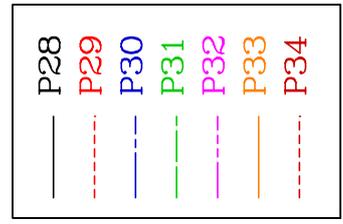
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MAT 8313

Elastic Legendre Coefficients

83-Bi-205



10 15 20 25 30

Incident Energy (MeV)

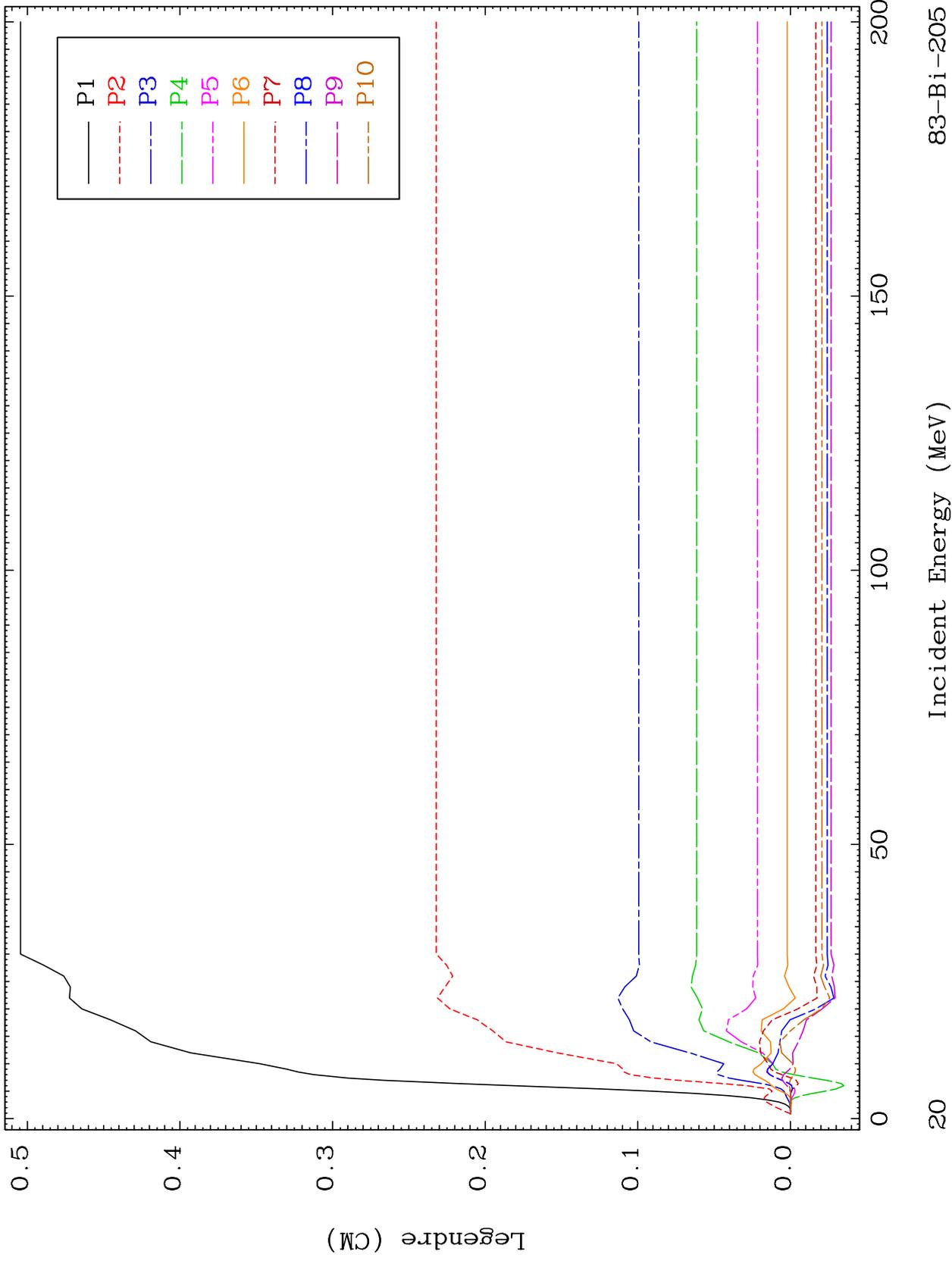
83-Bi-205

19

MAT 8313

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

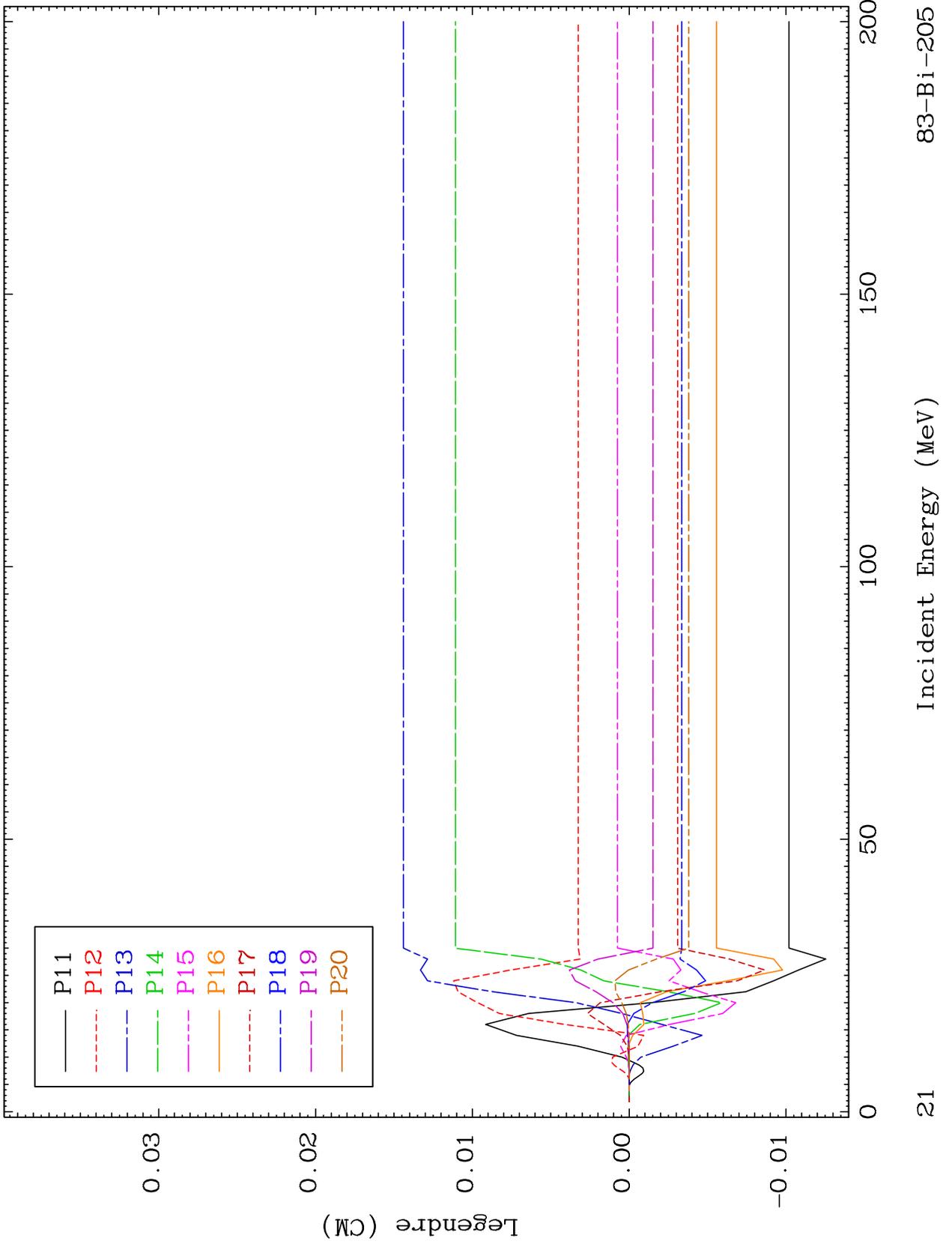
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MAT 8313

MT= 51 (n,n') Level
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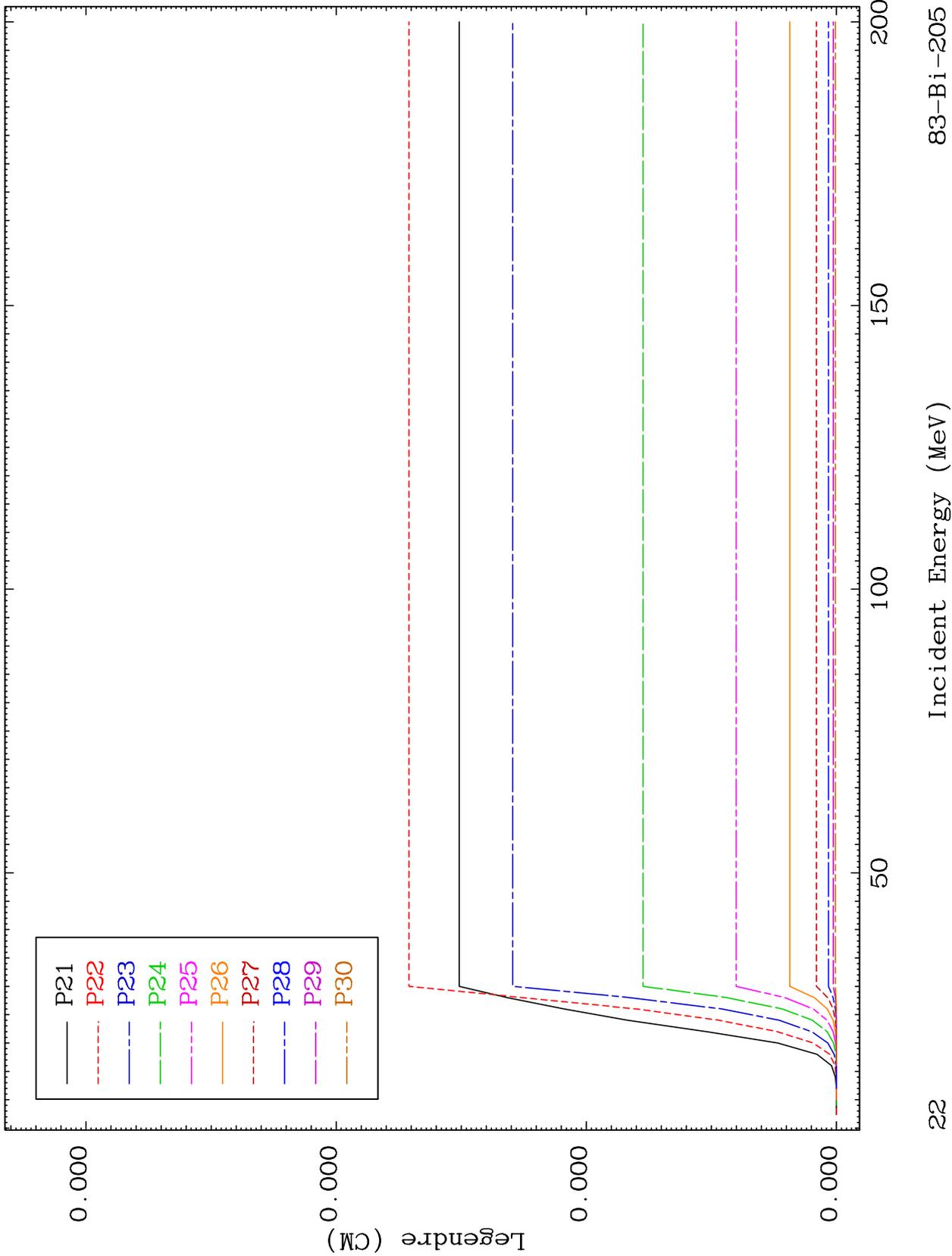
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MAT 8313

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

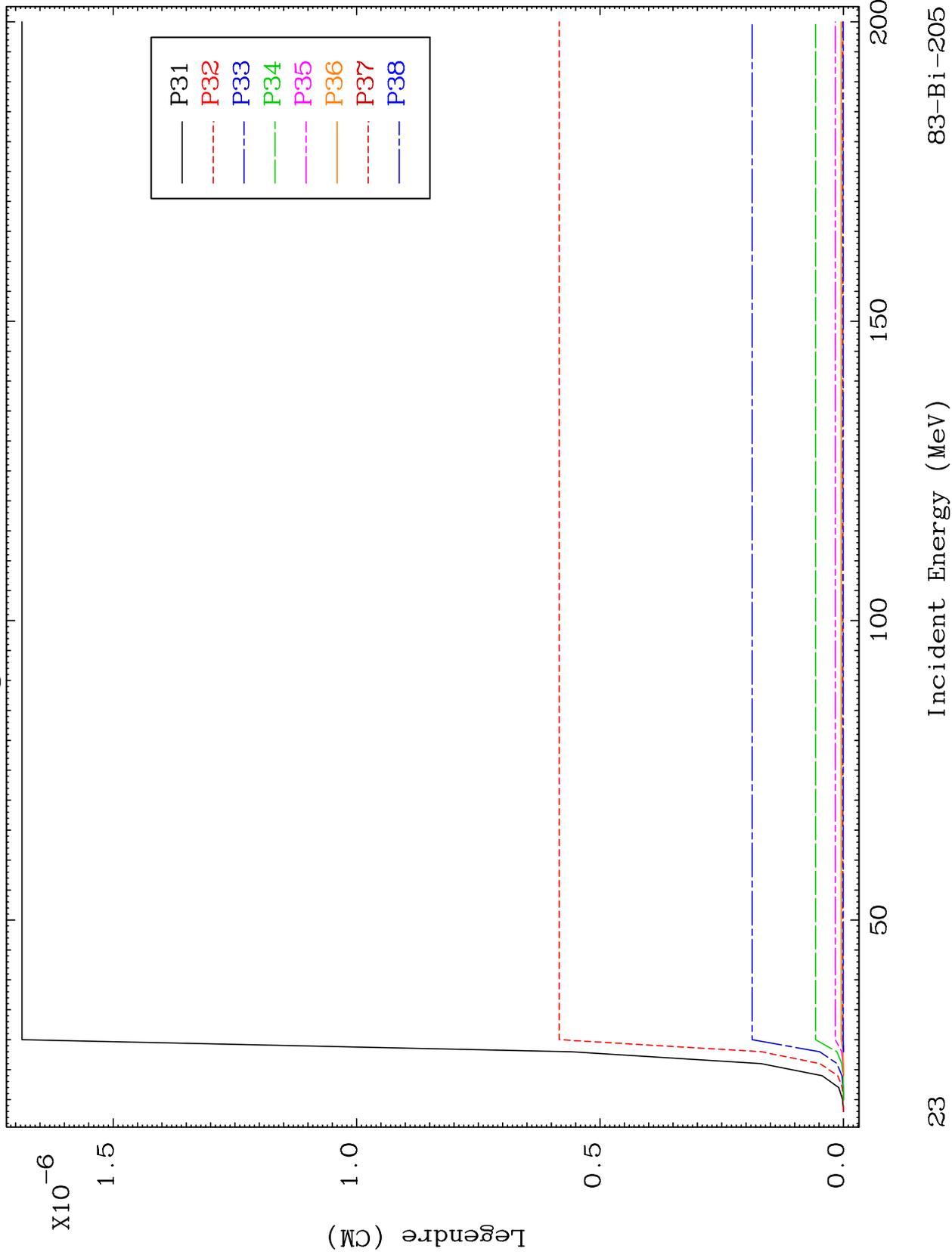
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MAT 8313

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

83-Bi-205



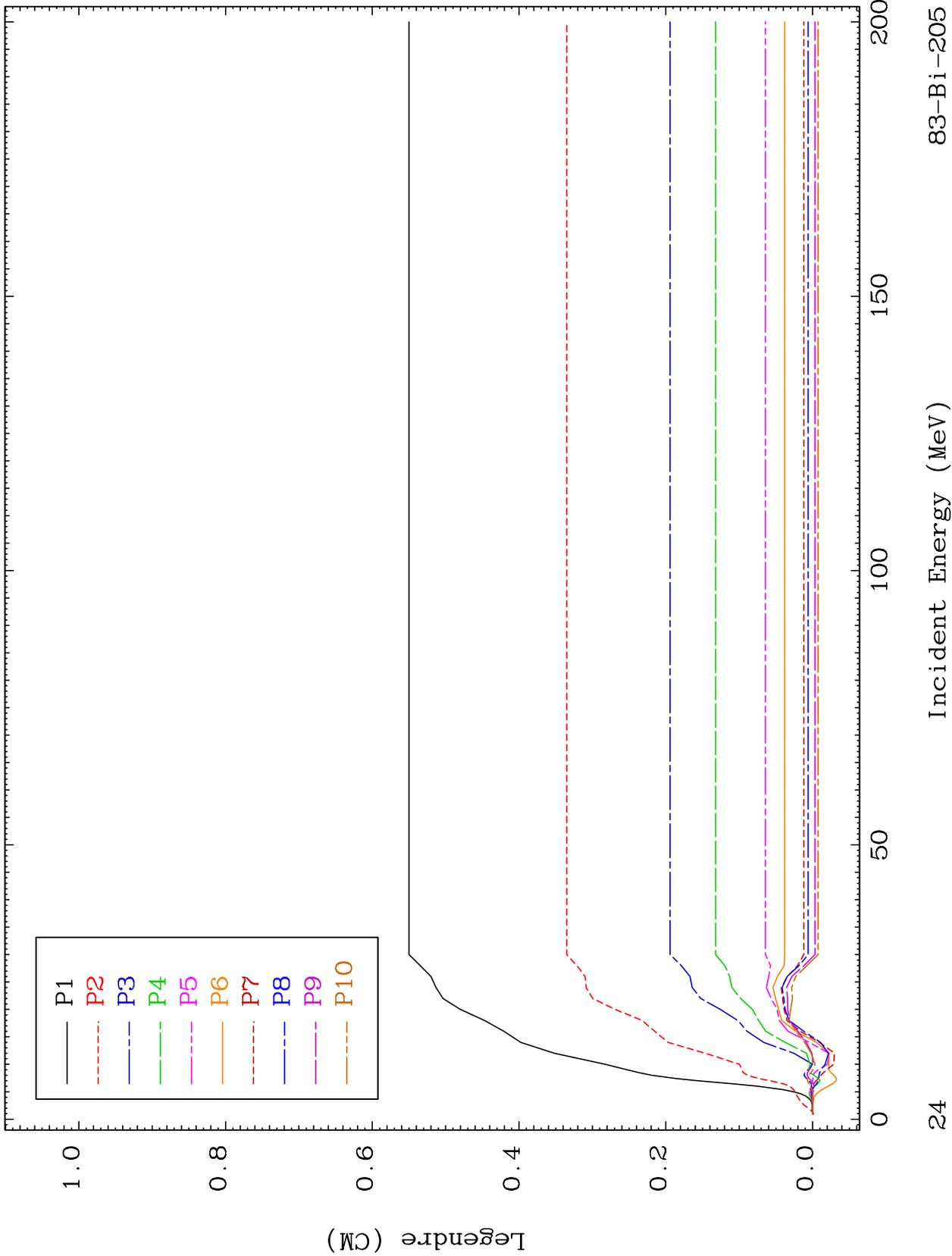
23

83-Bi-205

MAT 8313

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

83-Bi-205



24

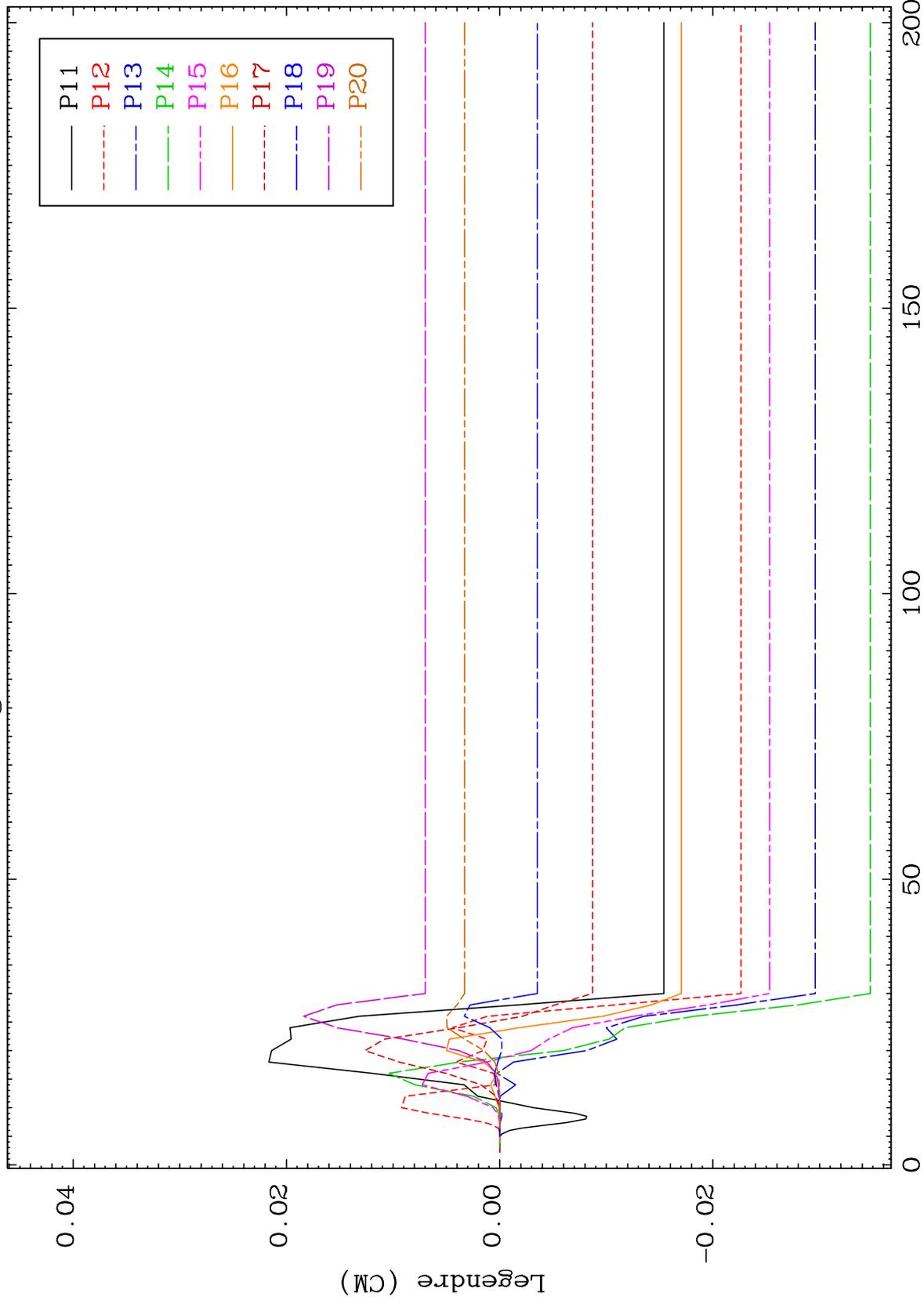
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

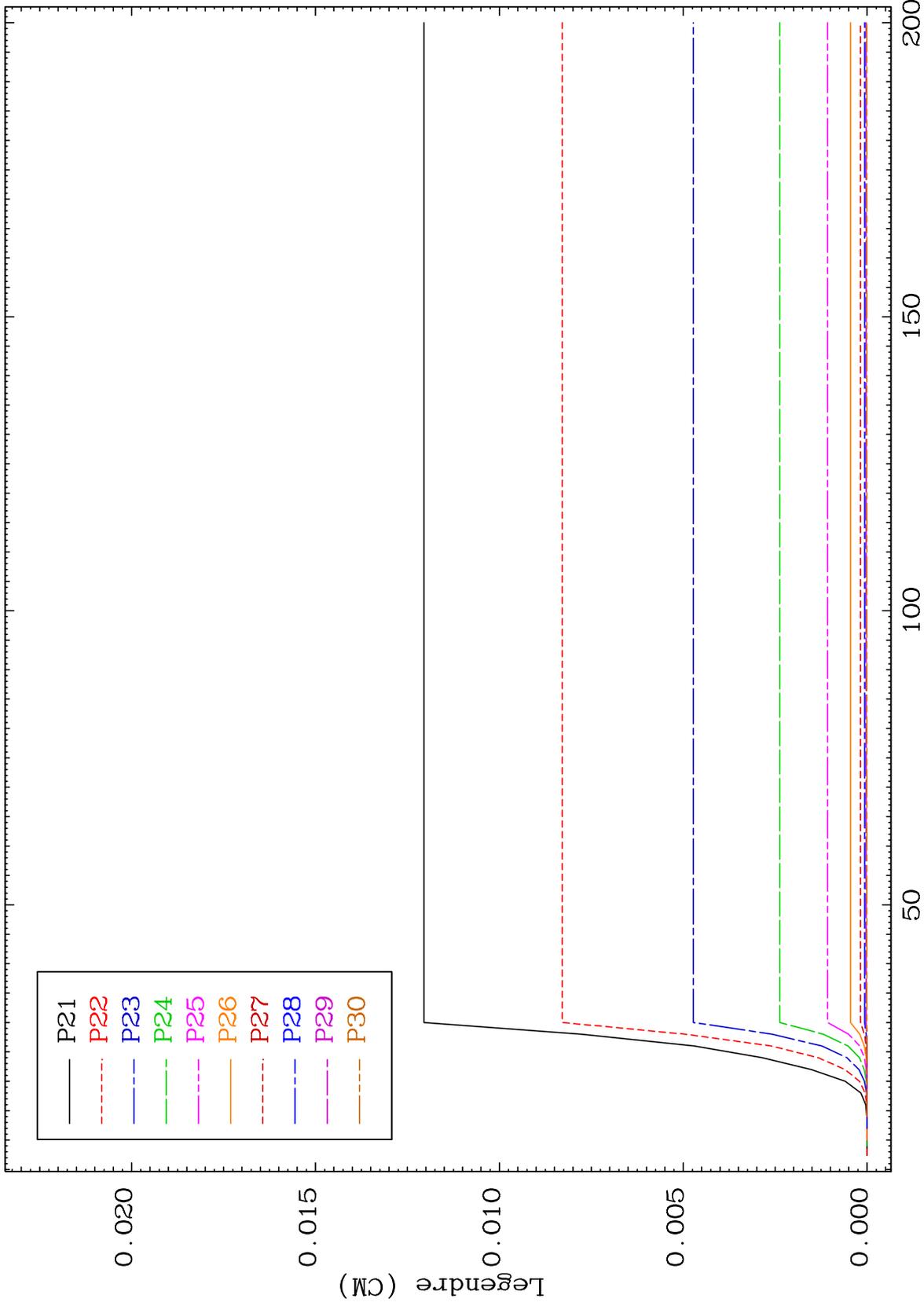
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25

Incident Energy (MeV)

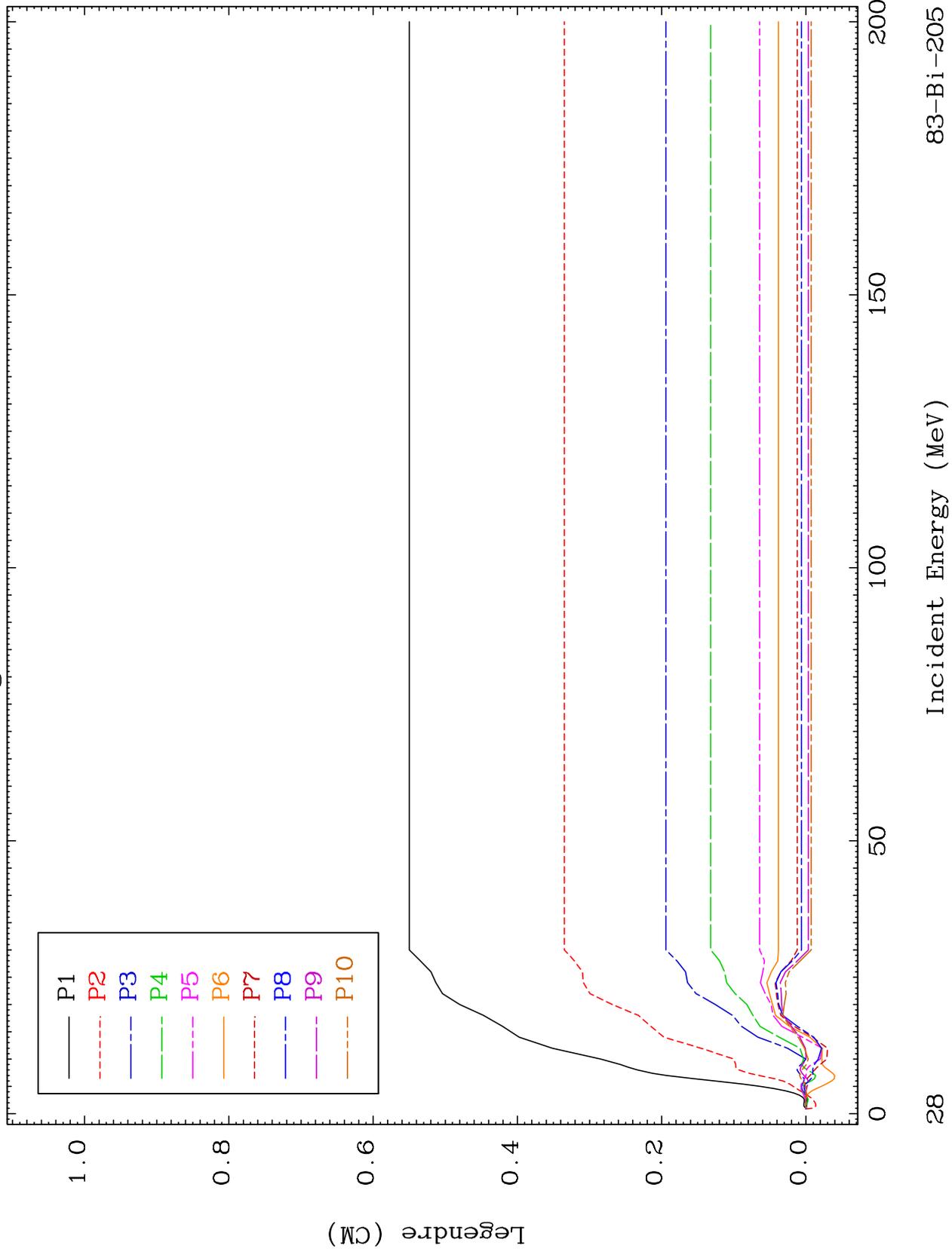
83-Bi-205



MAT 8313

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

83-Bi-205



28

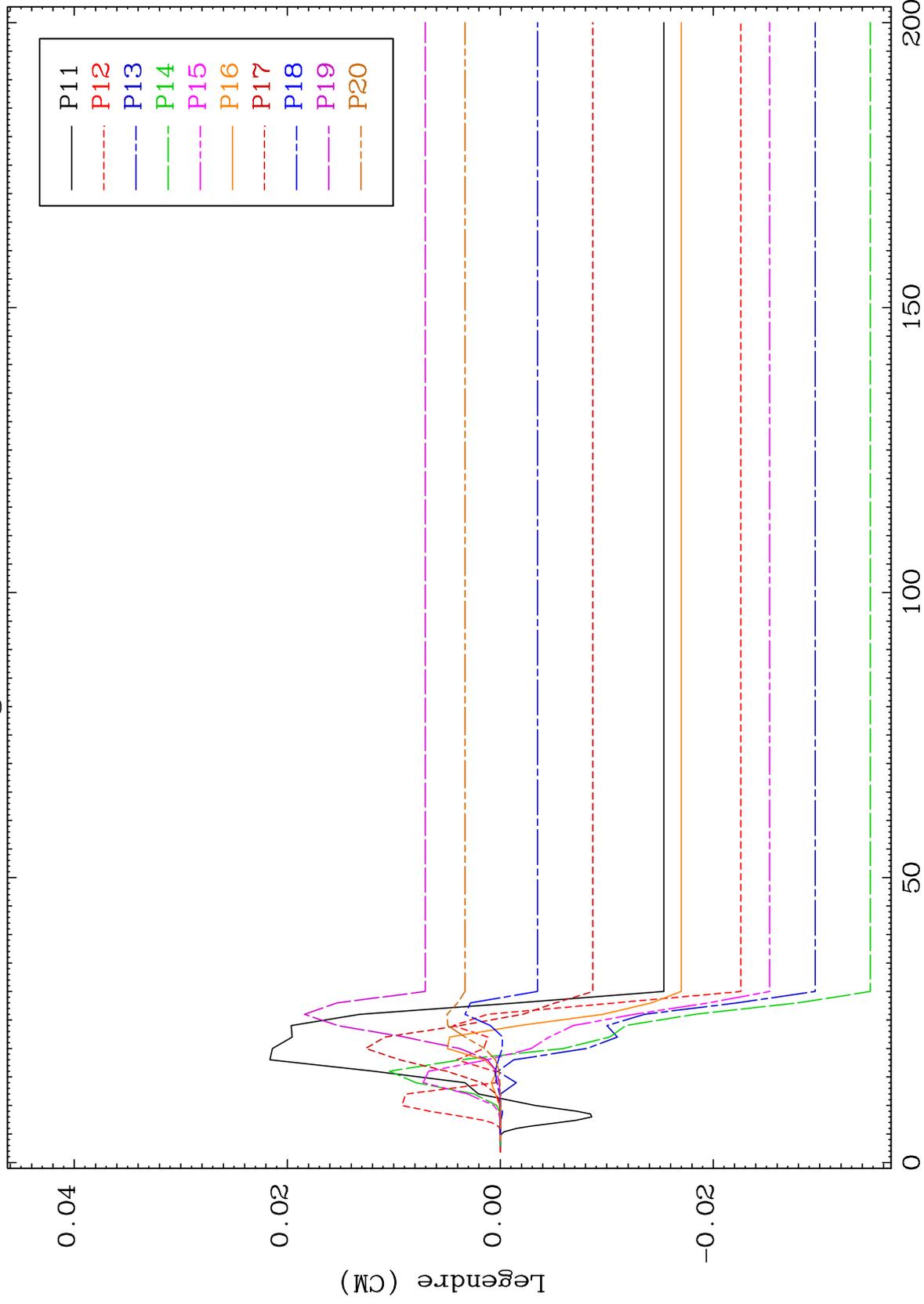
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



29

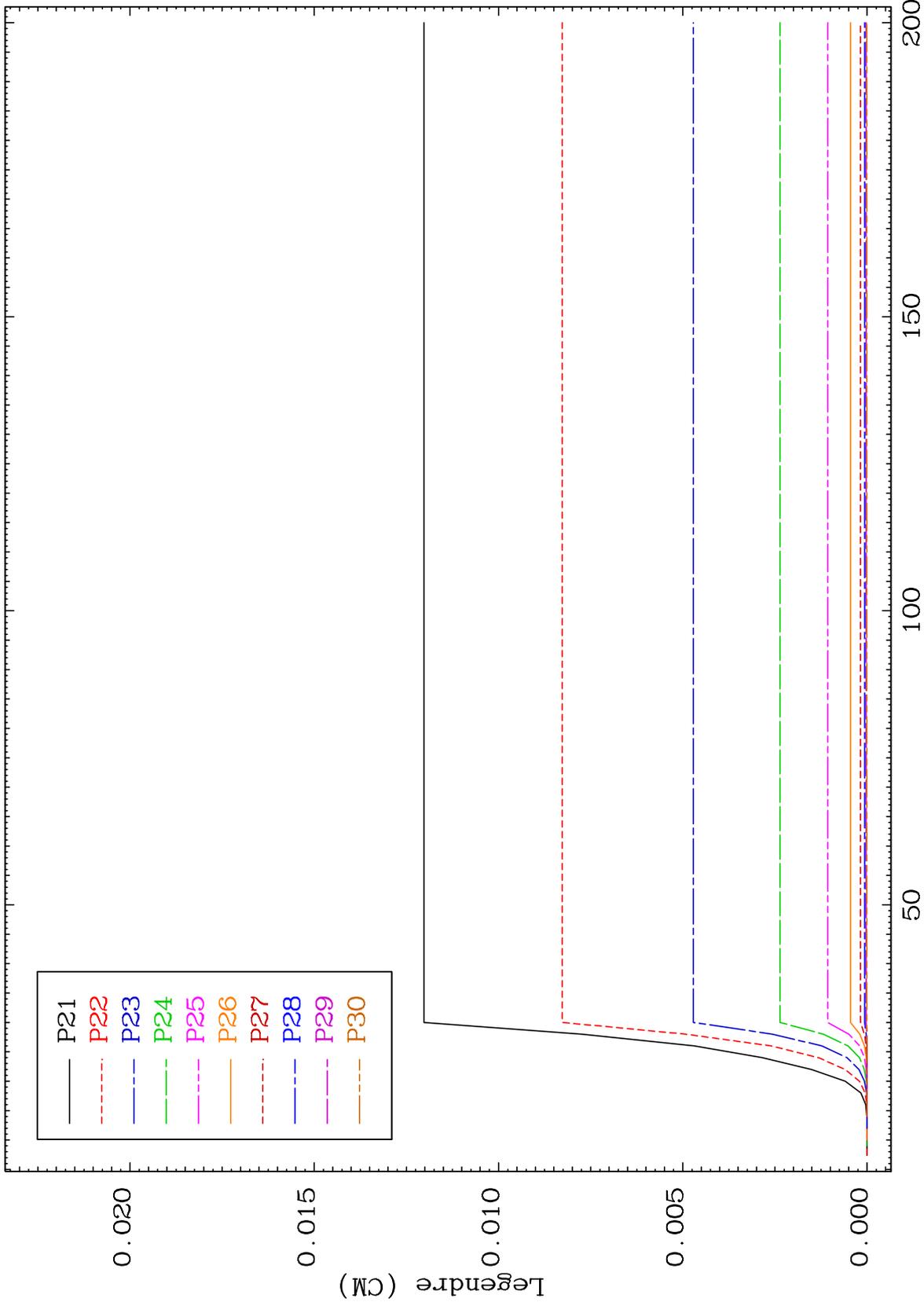
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



30

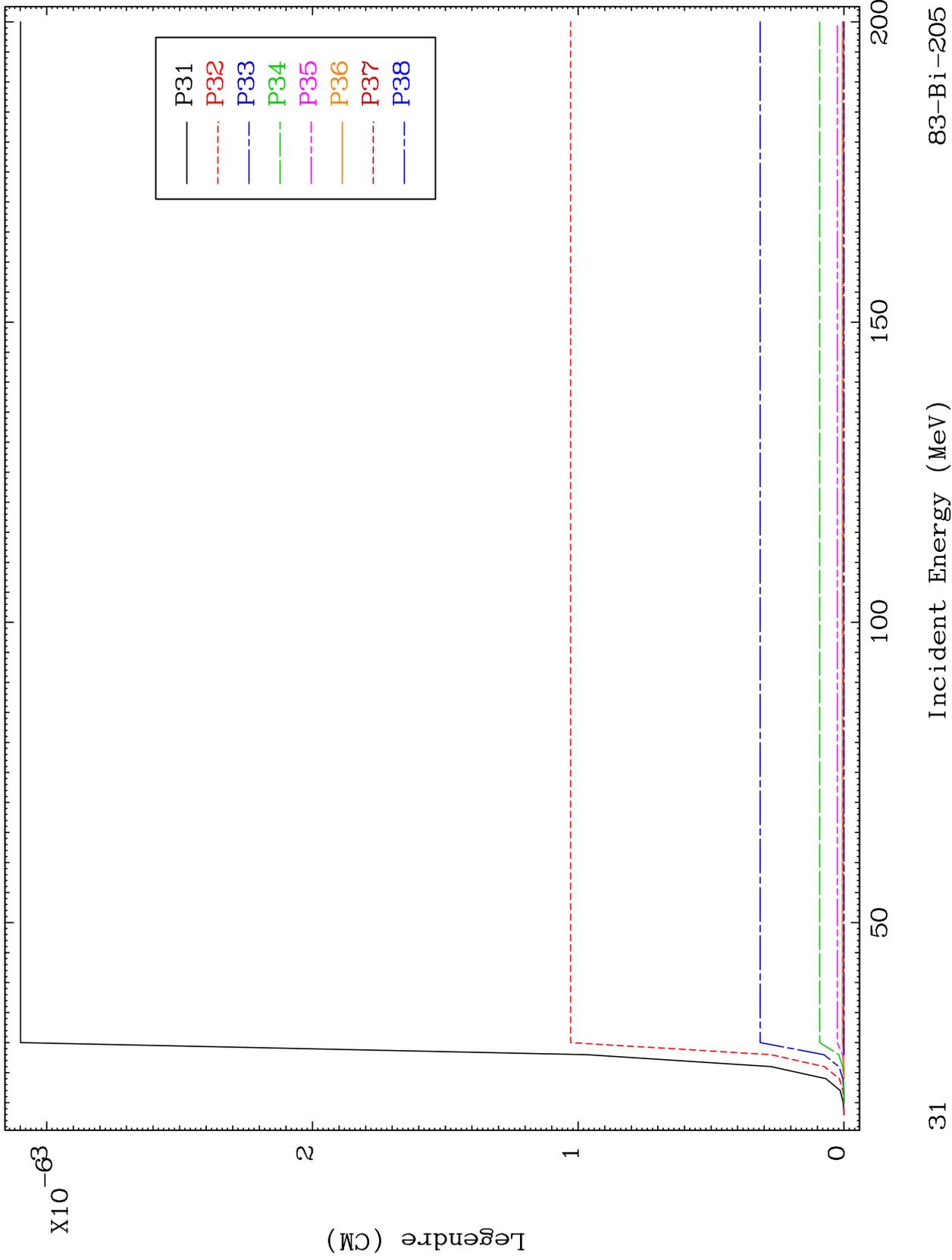
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

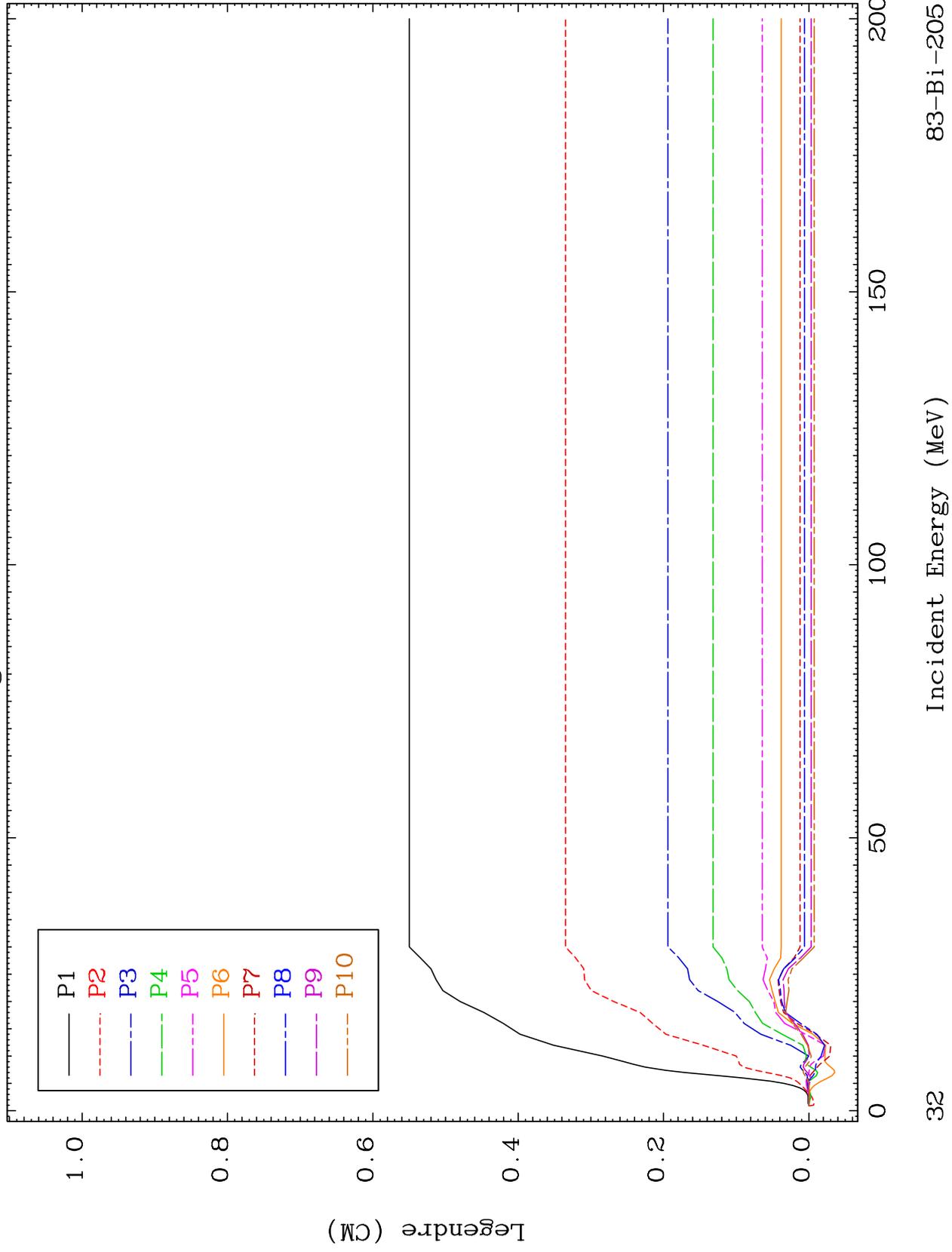
83-Bi-205



MAT 8313

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

83-Bi-205

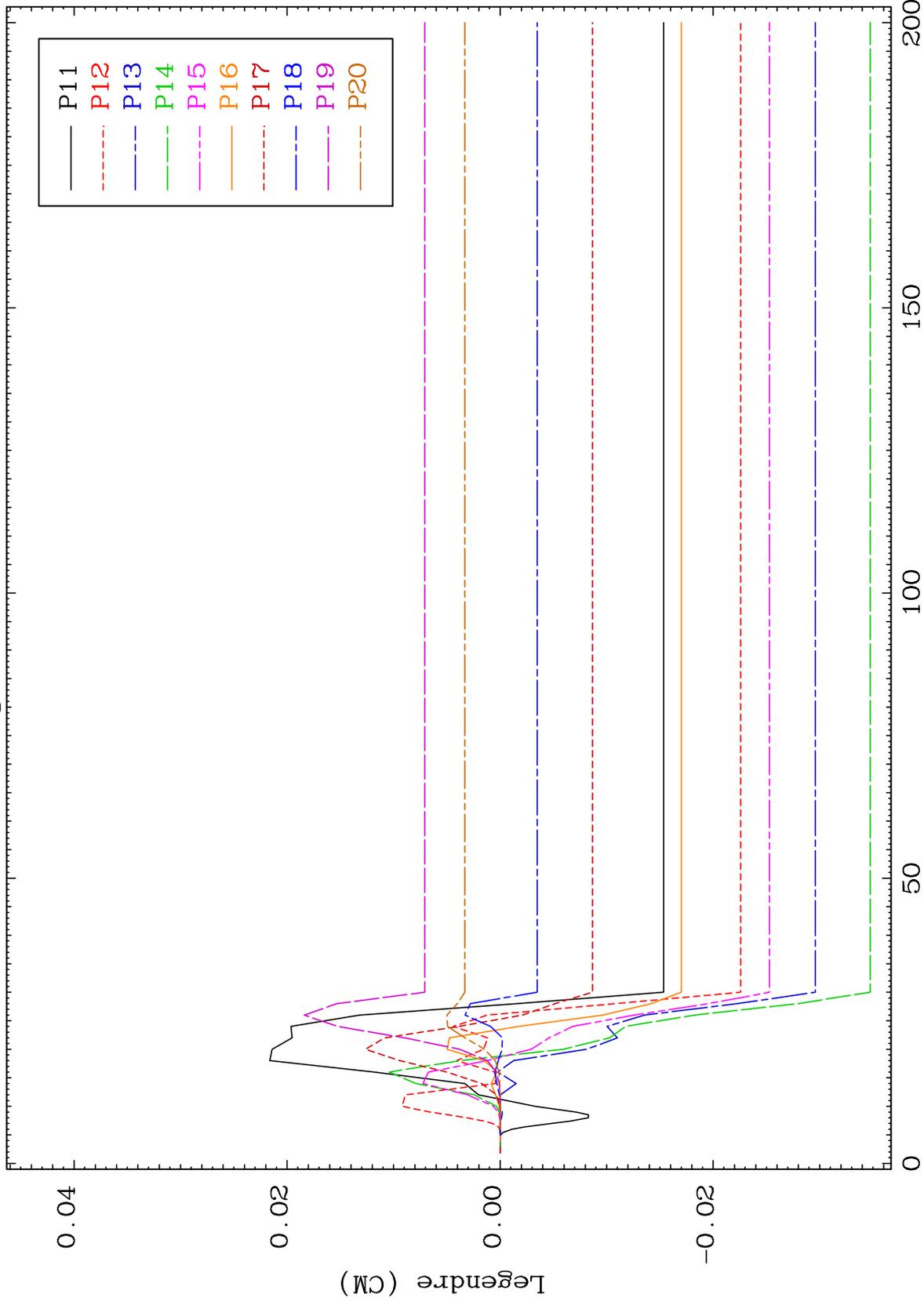


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MAT 8313

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

83-Bi-205



33

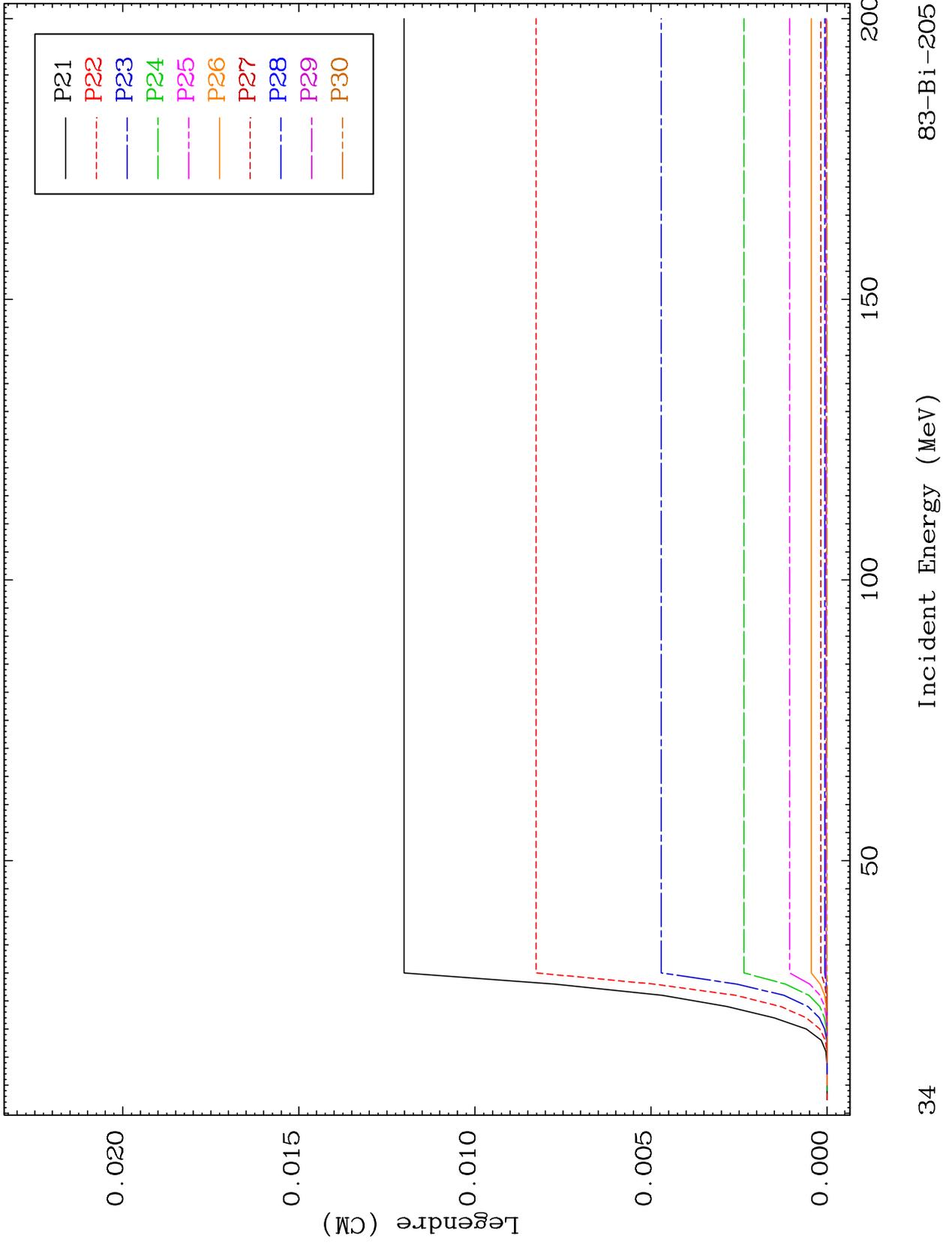
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

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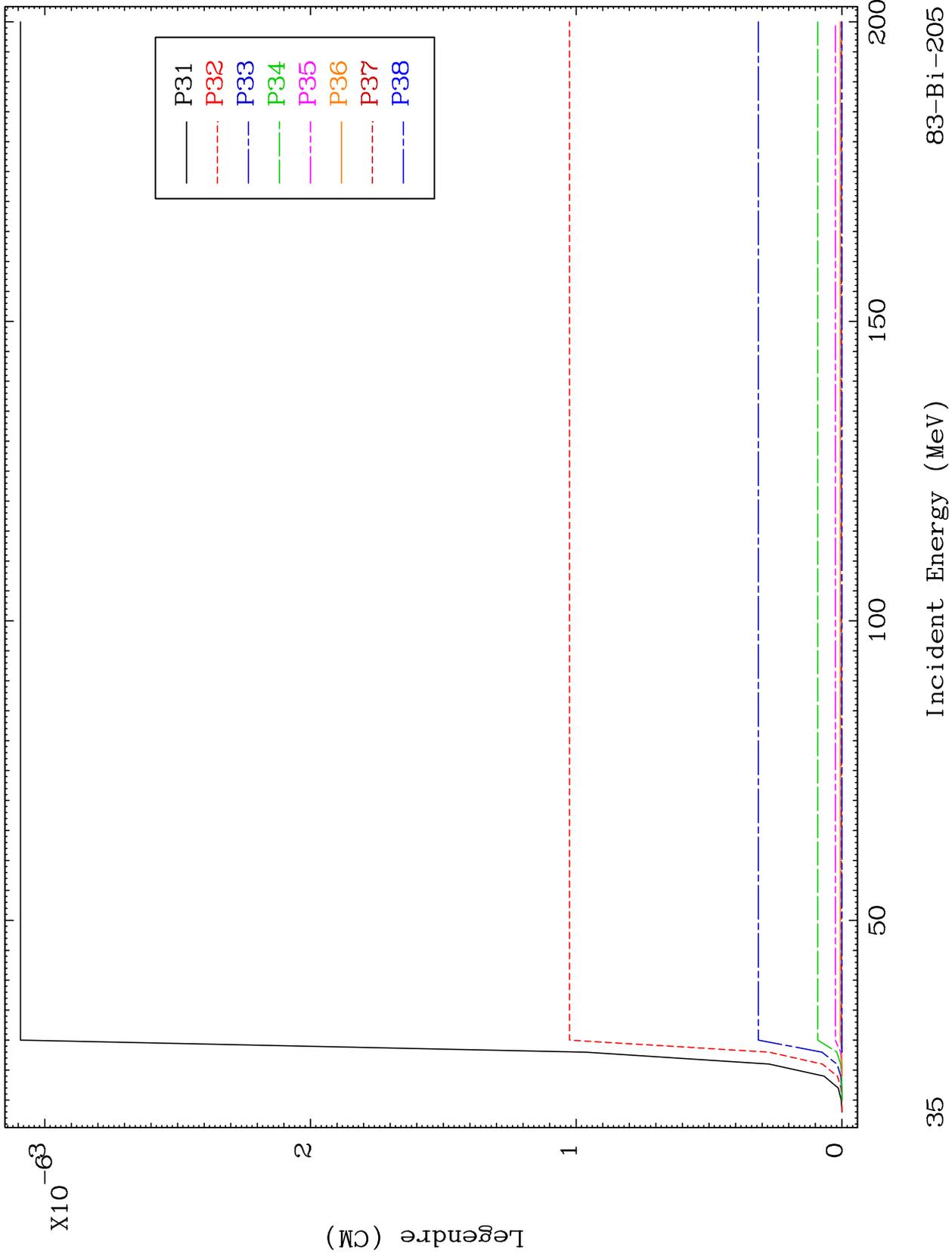


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MAT 8313

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

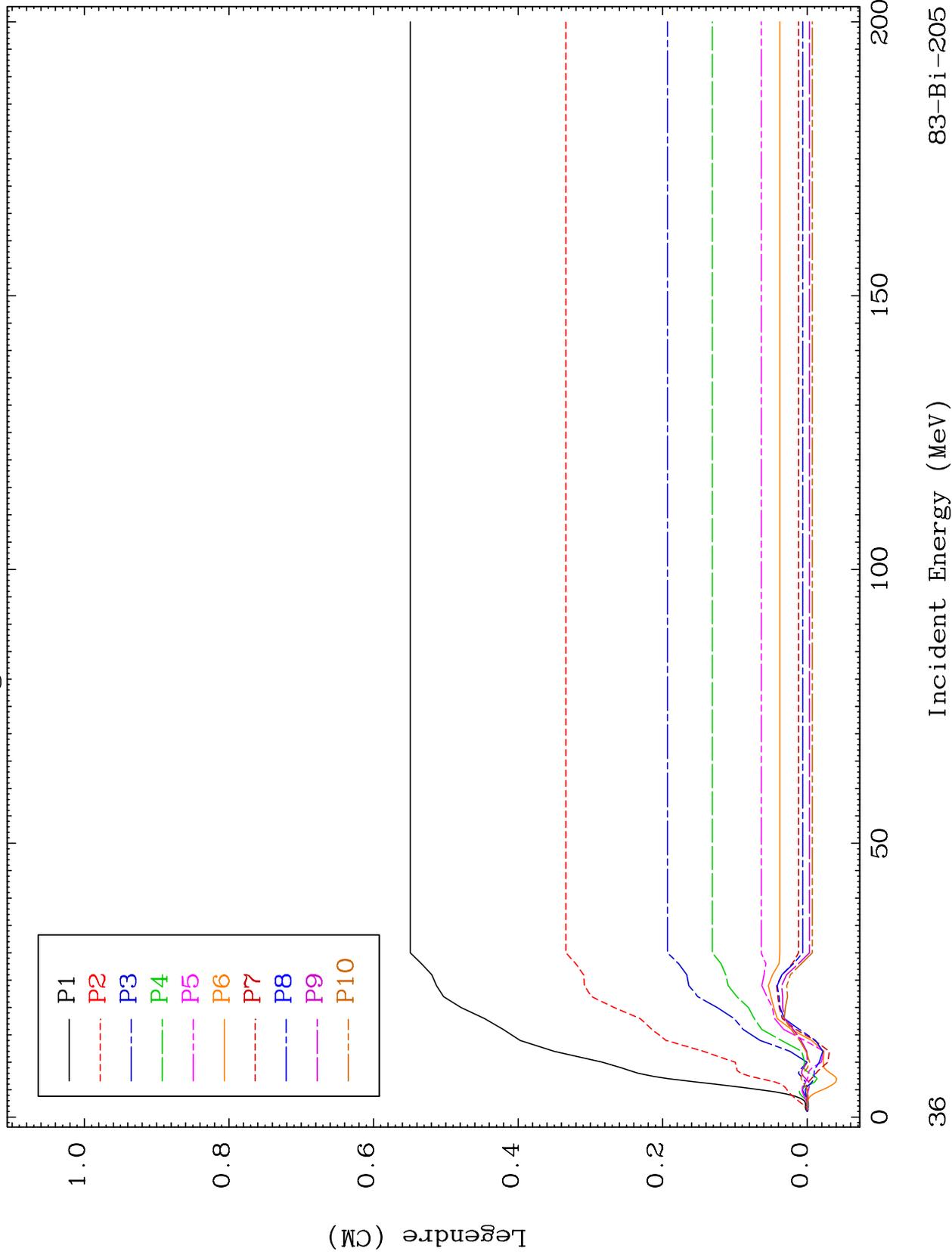
83-Bi-205



MAT 8313

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

83-Bi-205



83-Bi-205

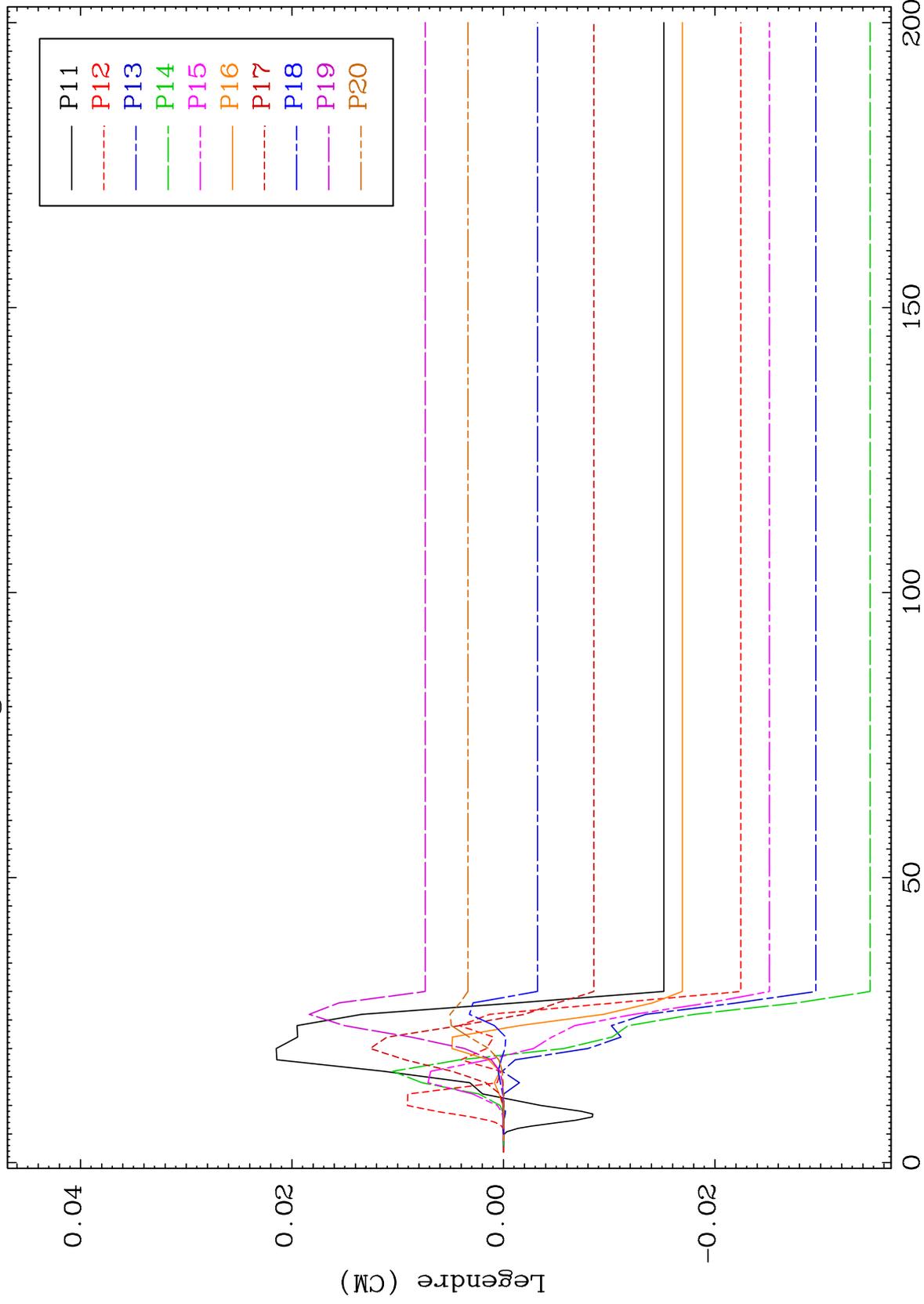
Incident Energy (MeV)

36

MAT 8313

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

83-Bi-205



37

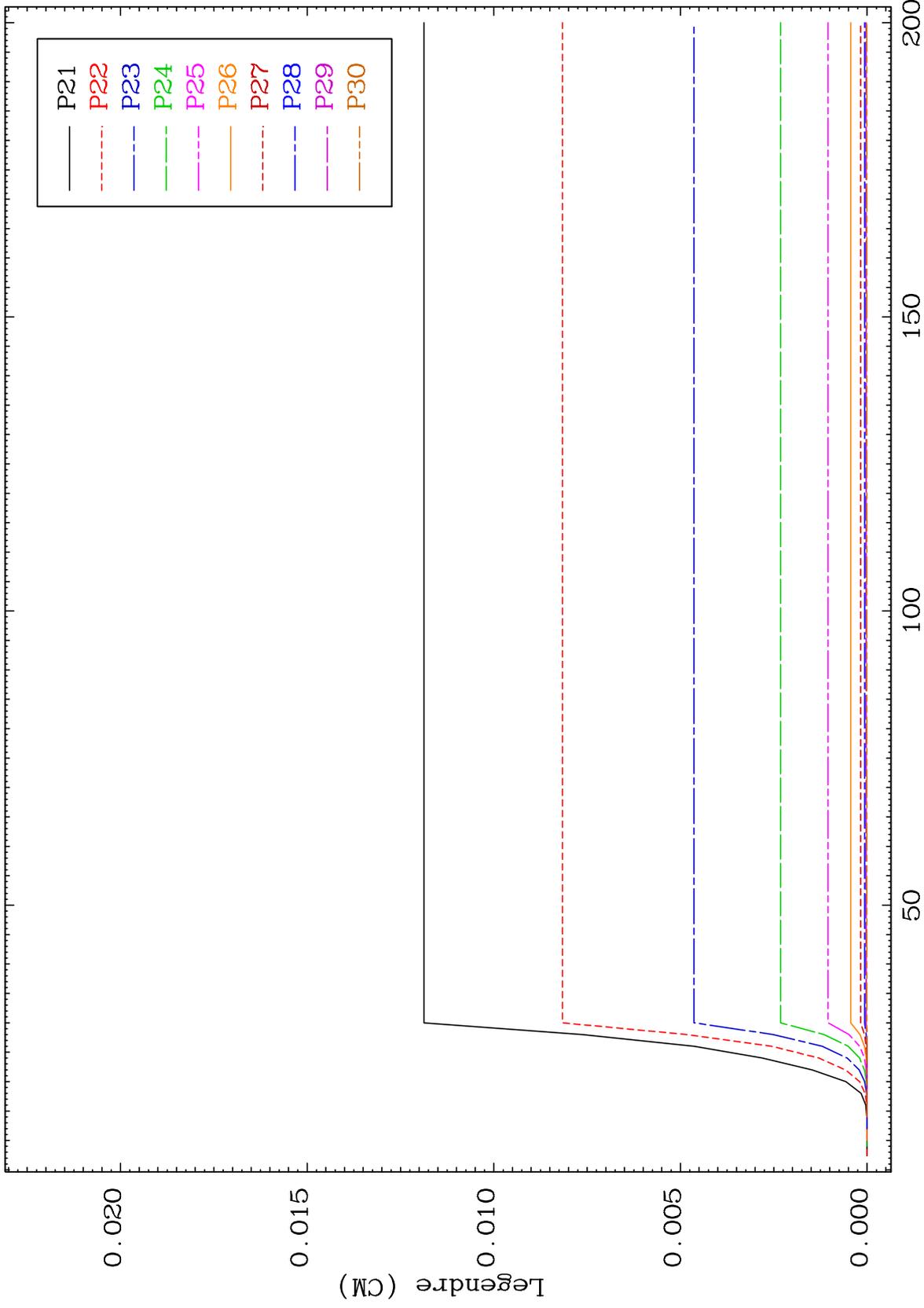
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



38

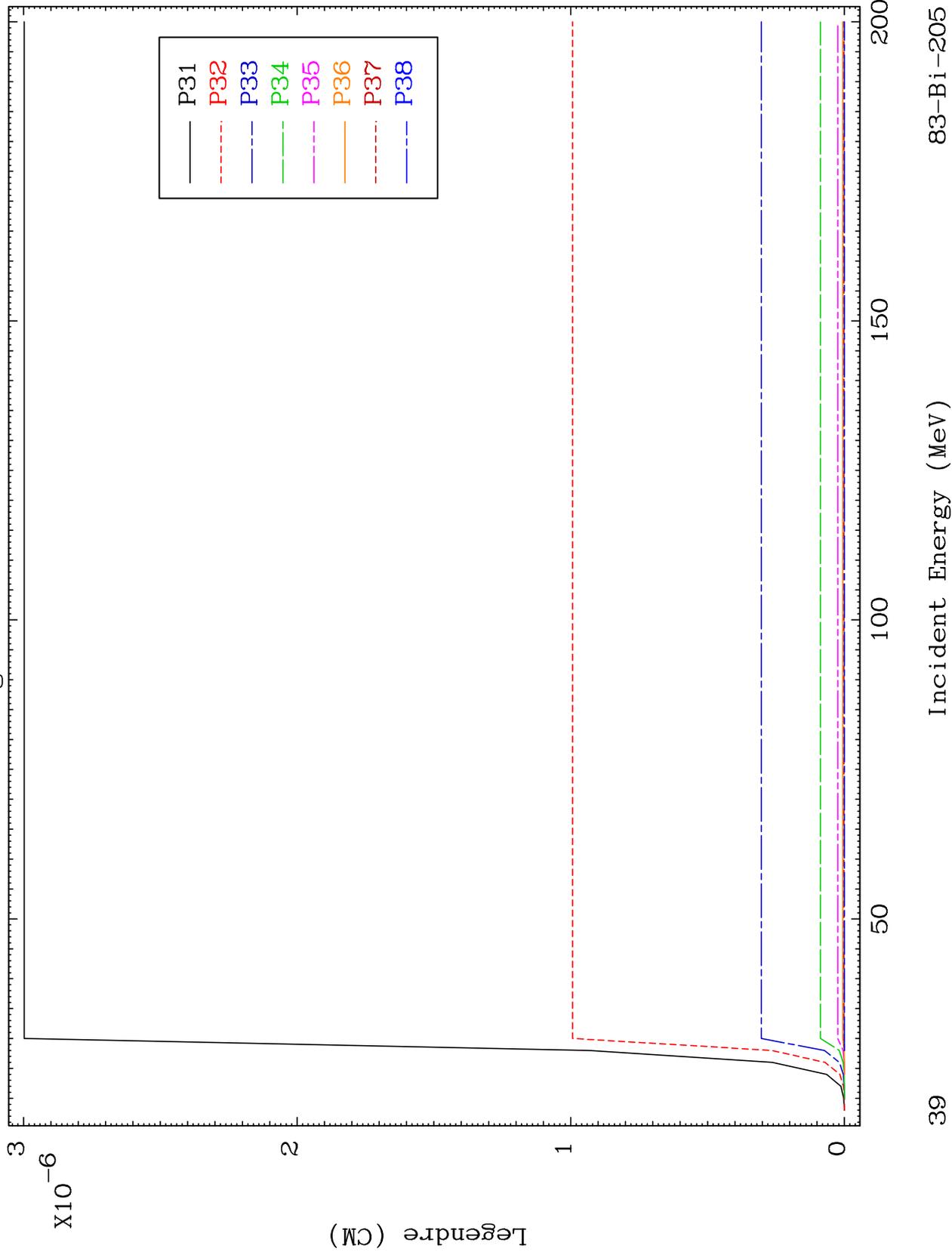
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



39

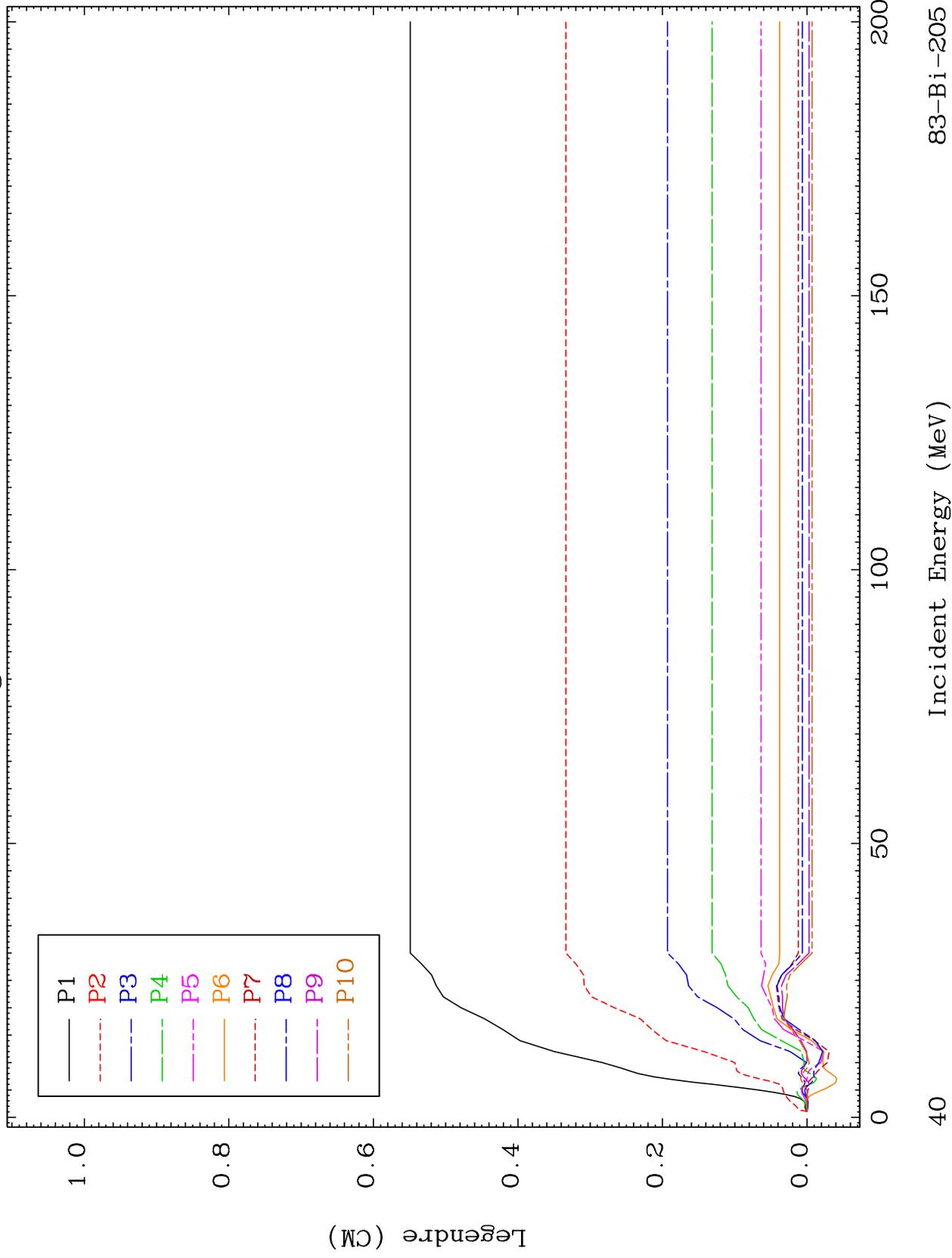
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

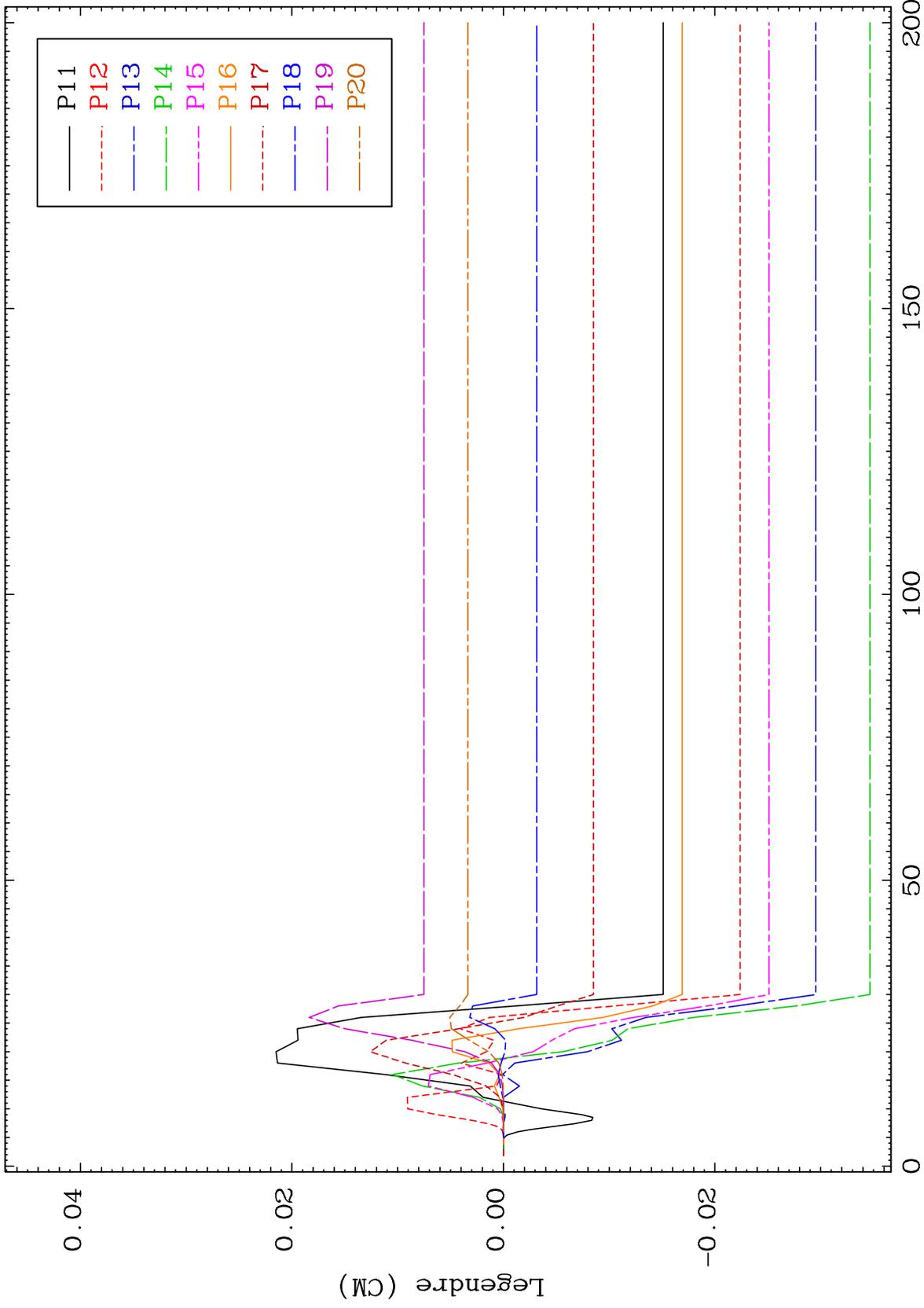
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MAT 8313

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

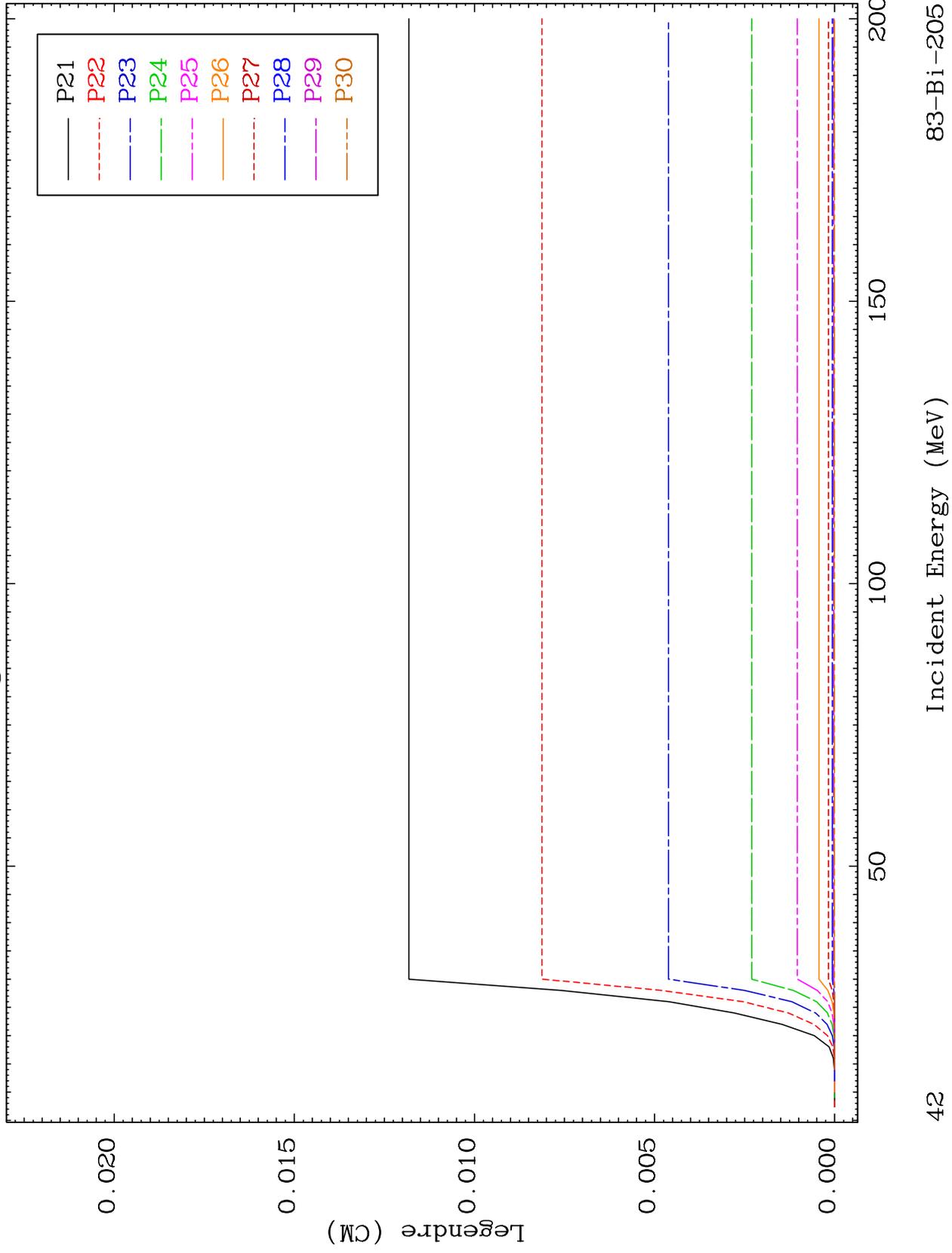
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MAT 8313

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

83-Bi-205



42

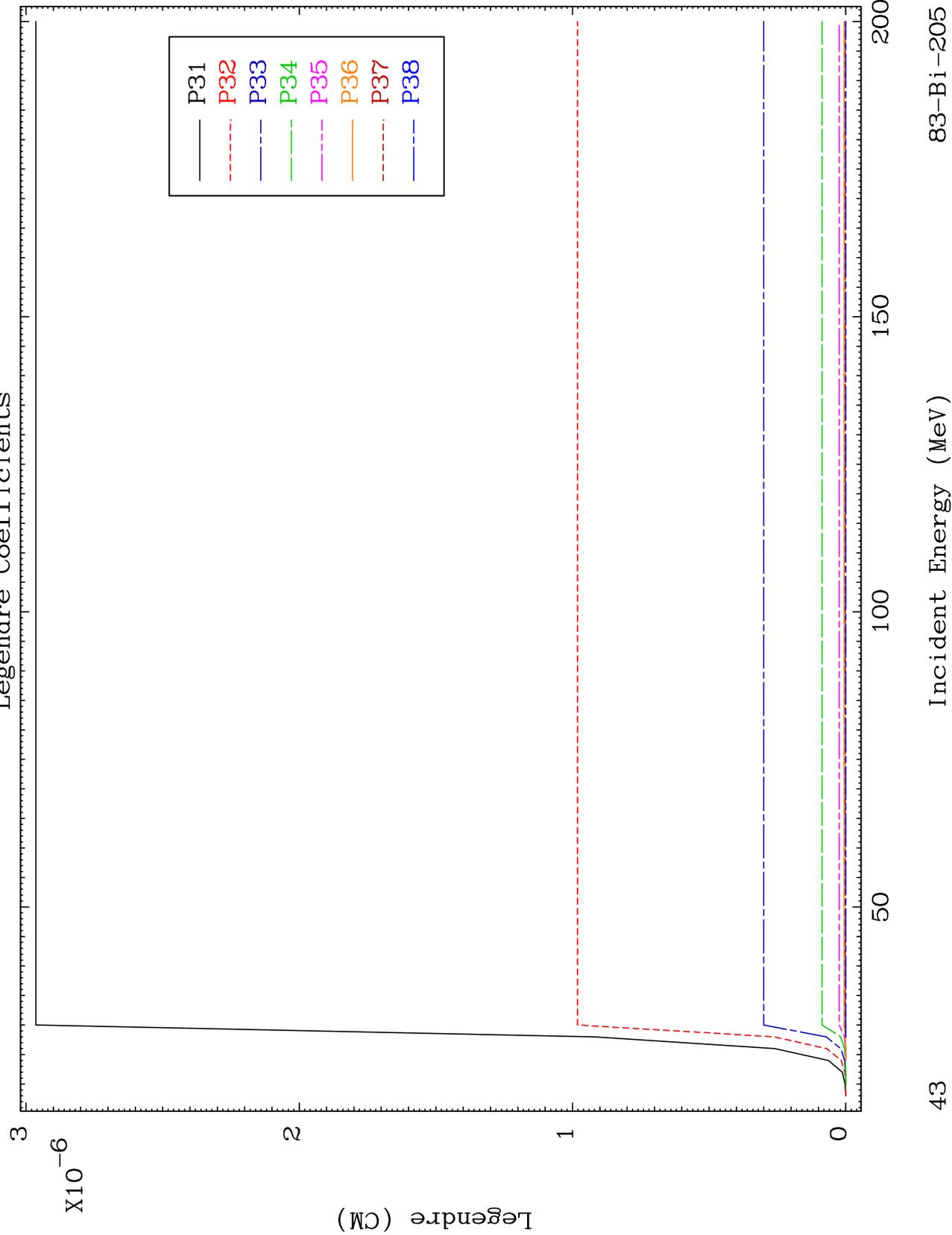
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

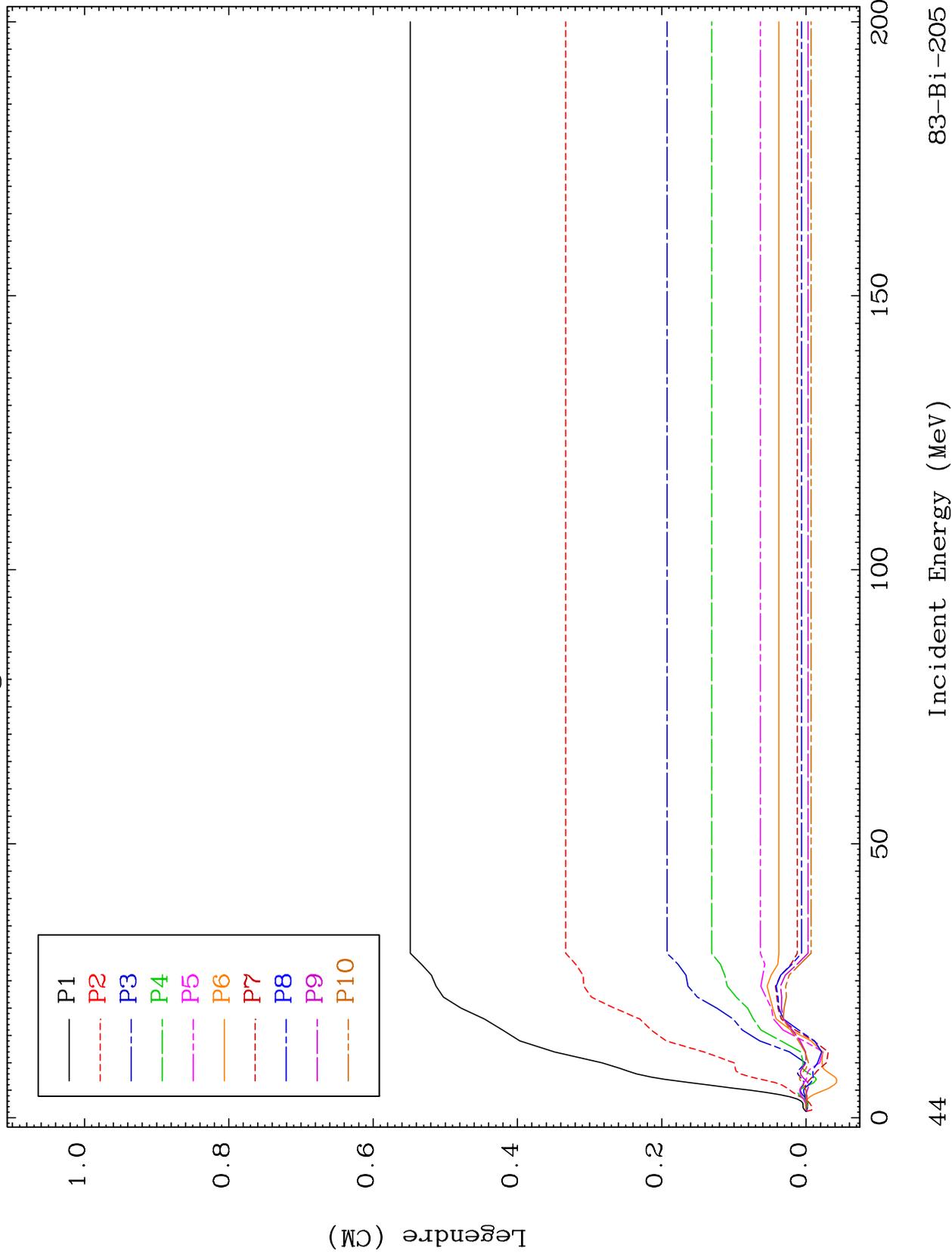
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MAT 8313

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

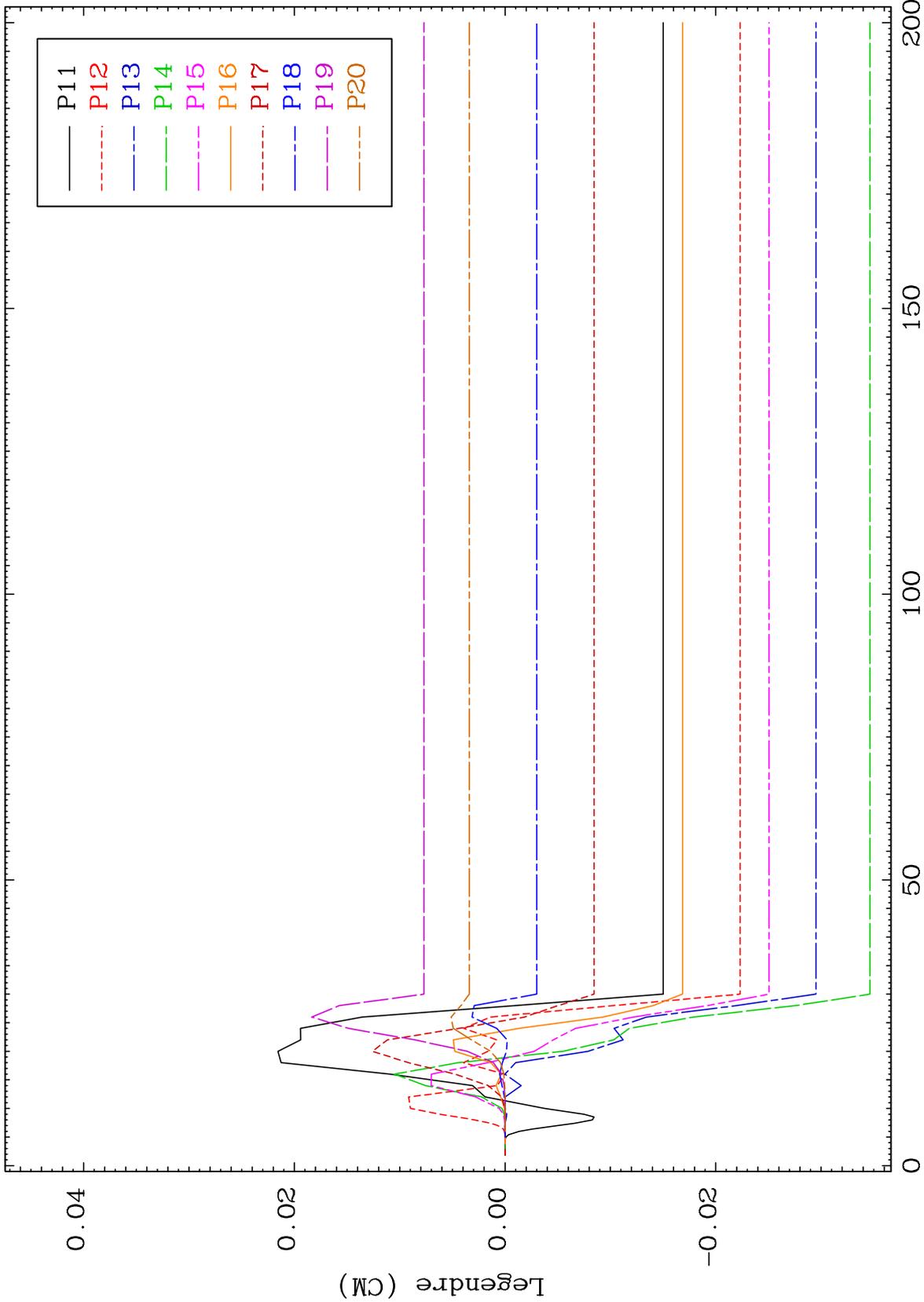
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MAT 8313

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

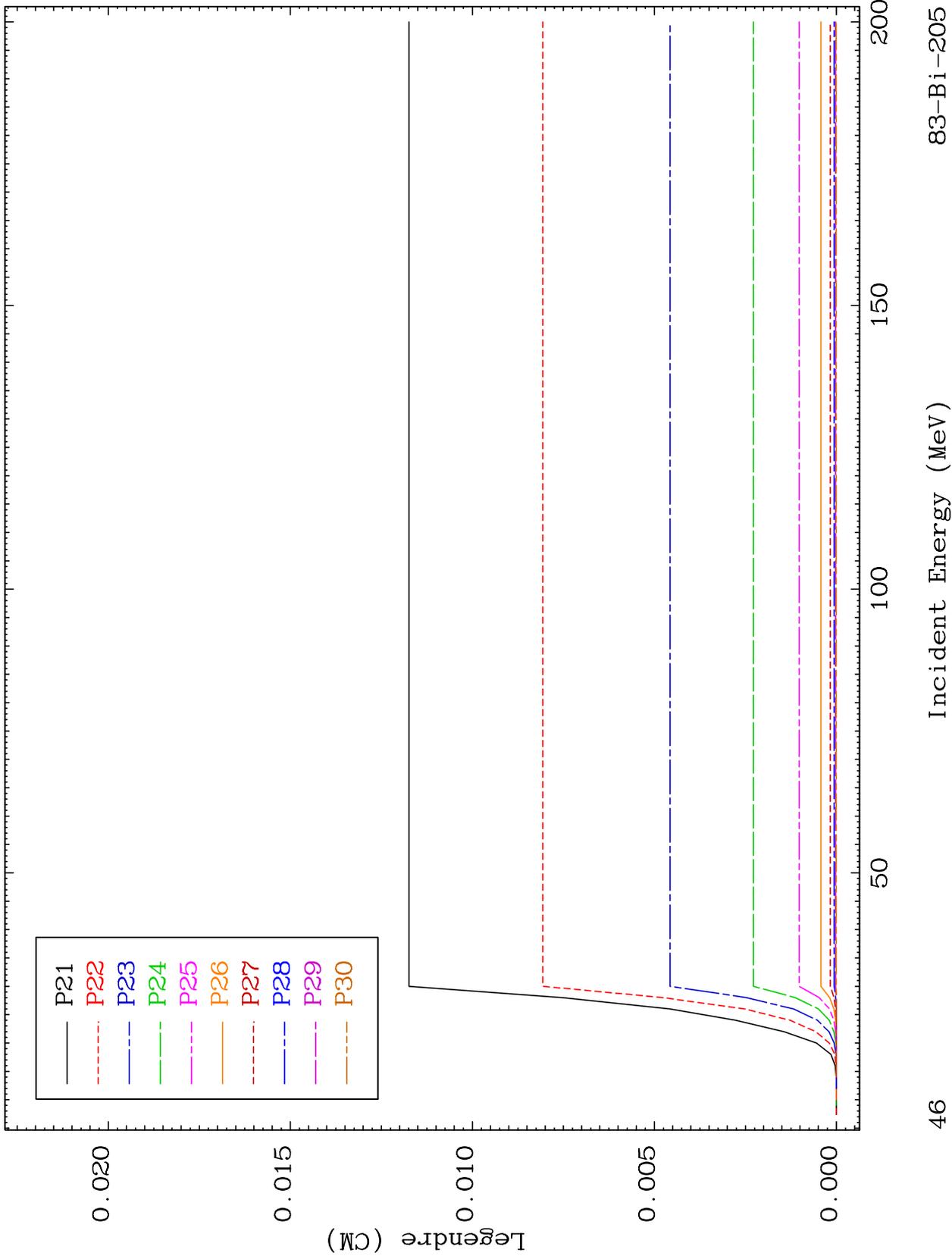
83-Bi-205



45

Incident Energy (MeV)

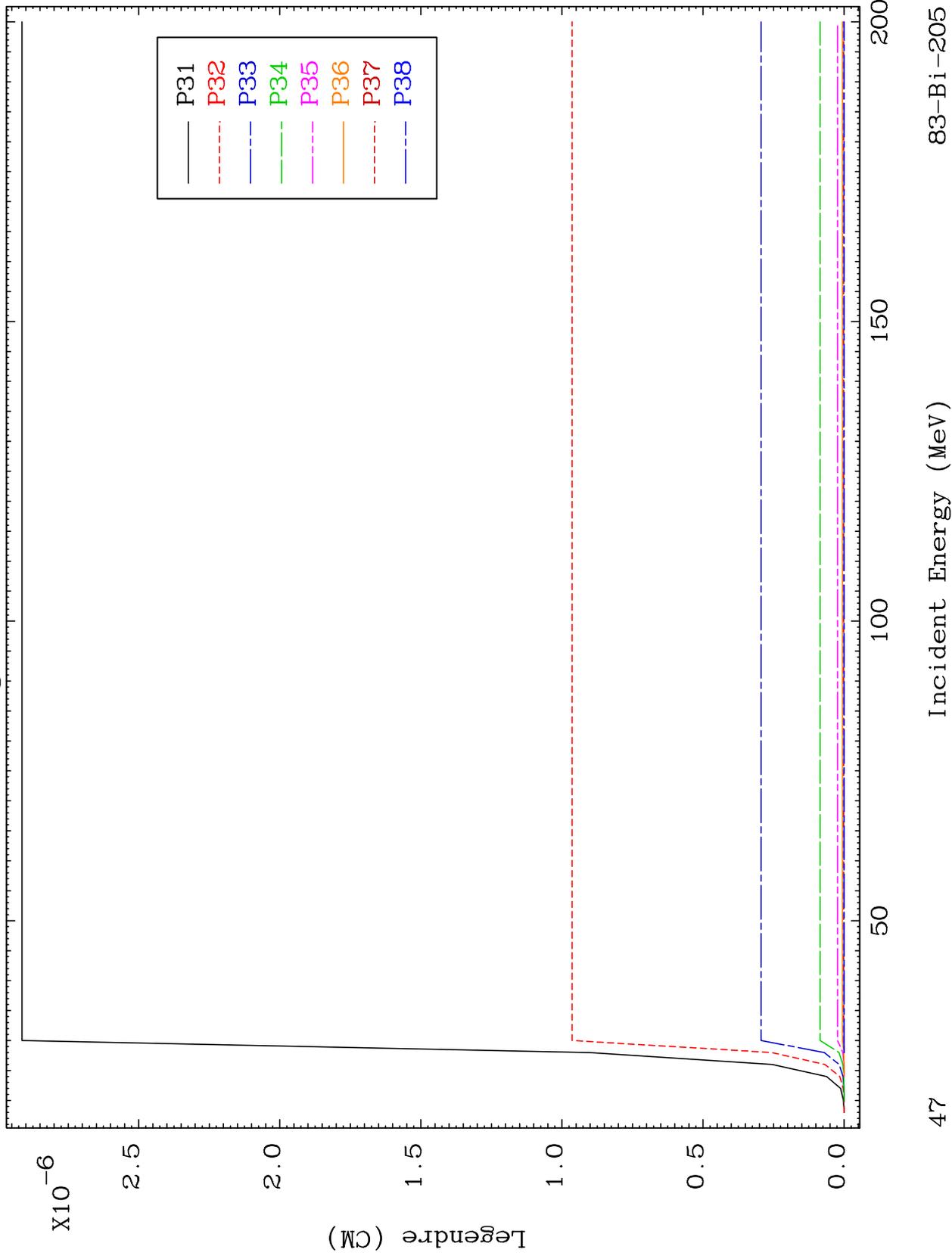
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MAT 8313

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

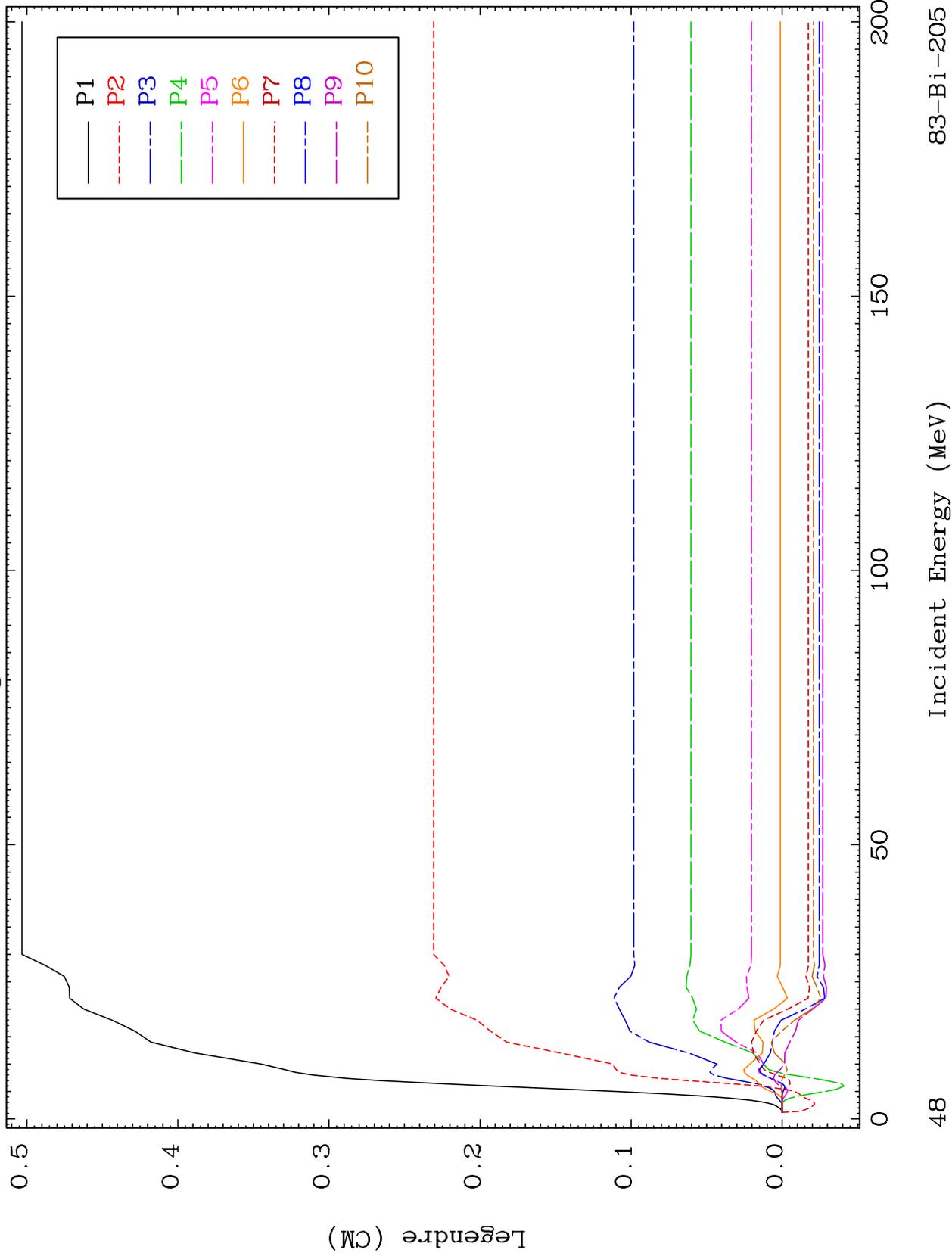
83-Bi-205



MAT 8313

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

83-Bi-205

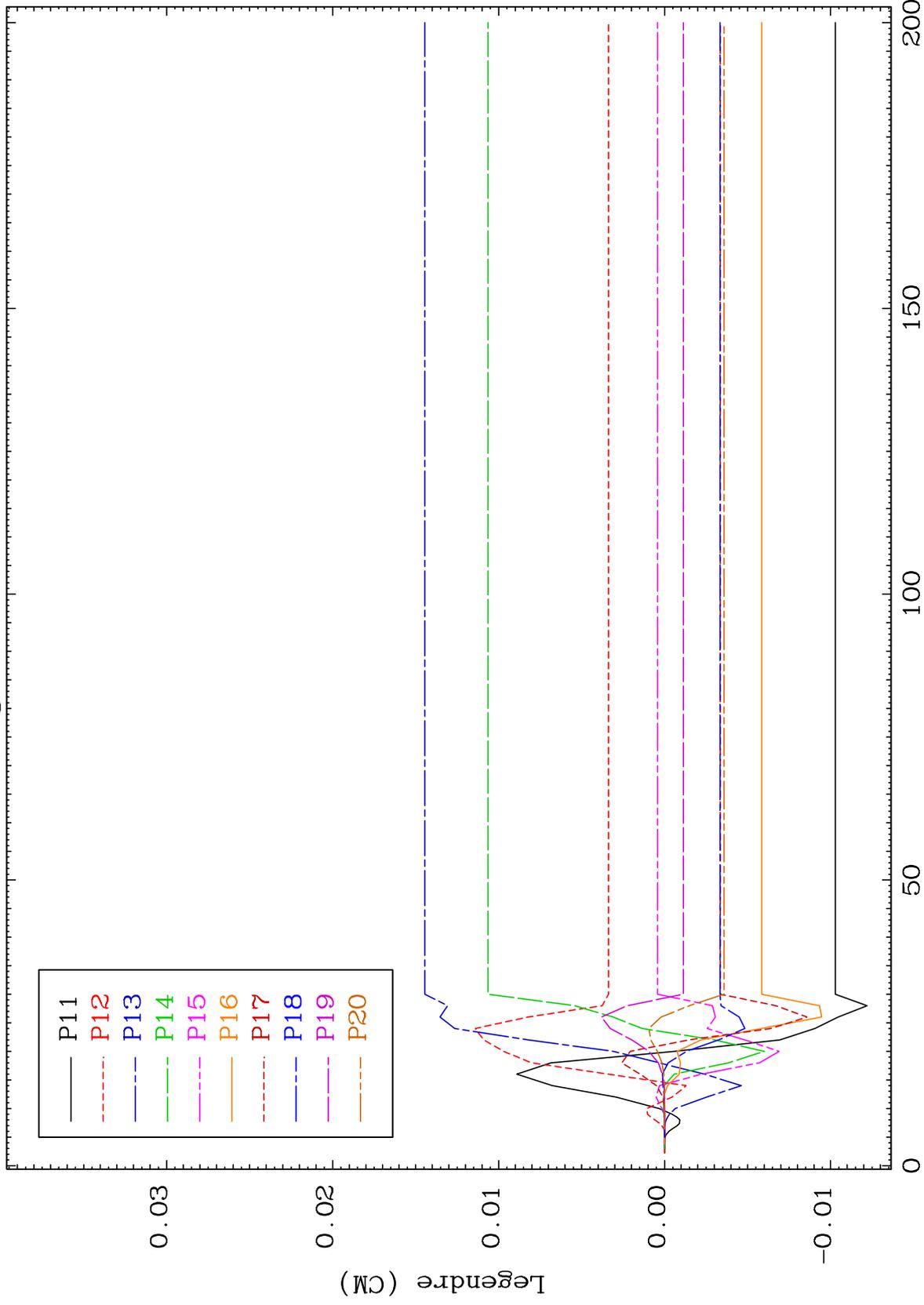


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MAT 8313

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

83-Bi-205



49

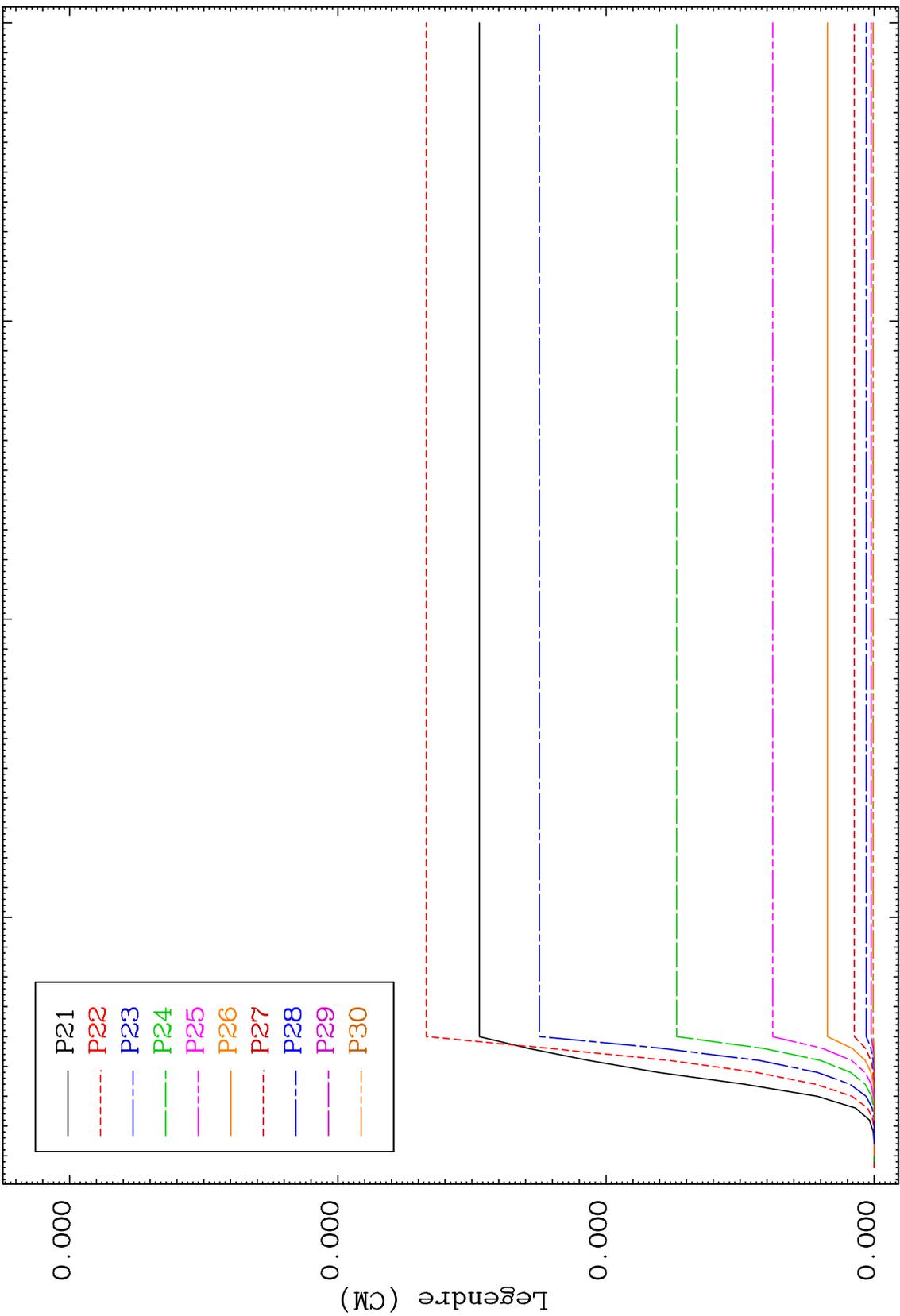
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



50

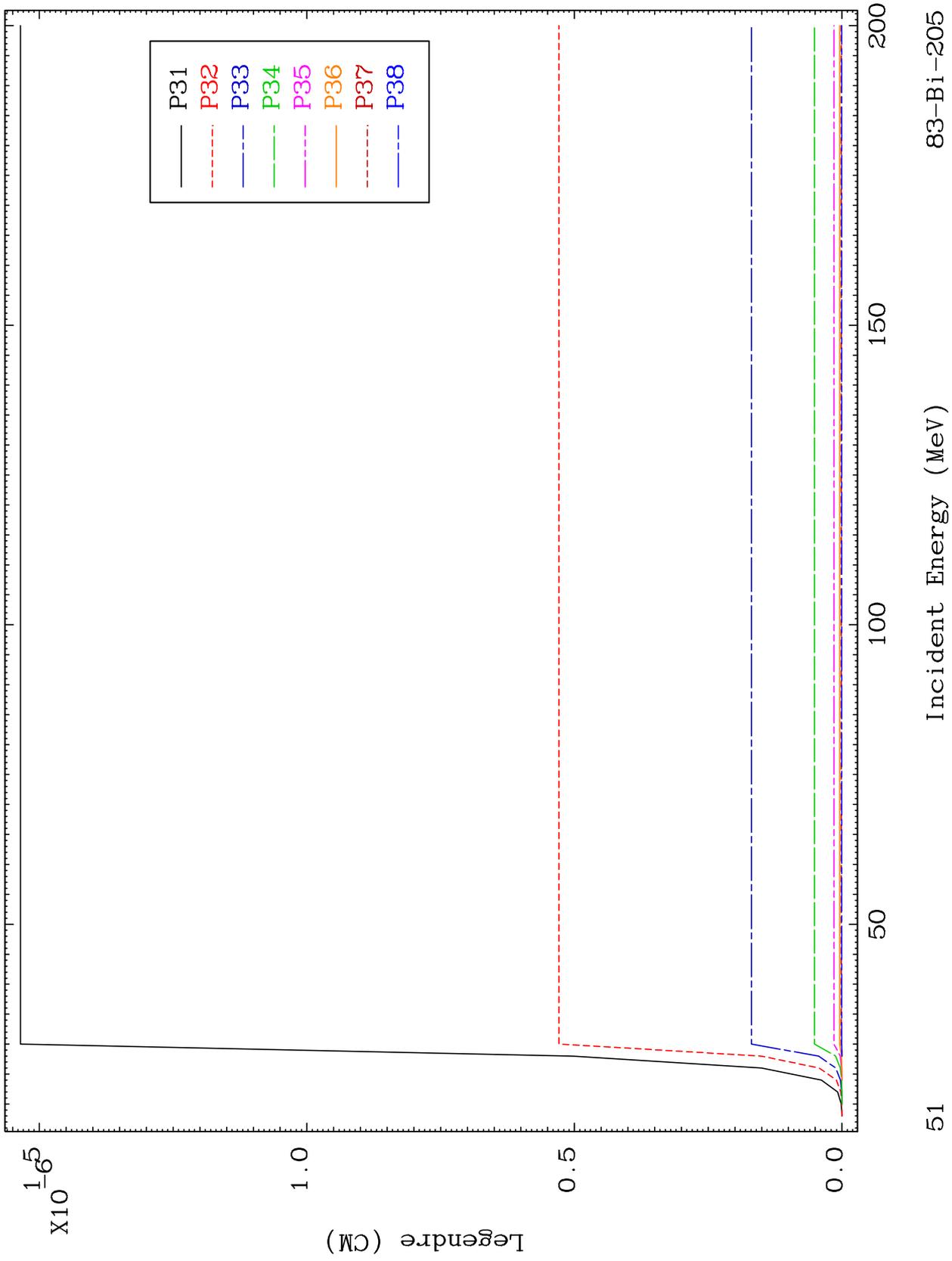
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

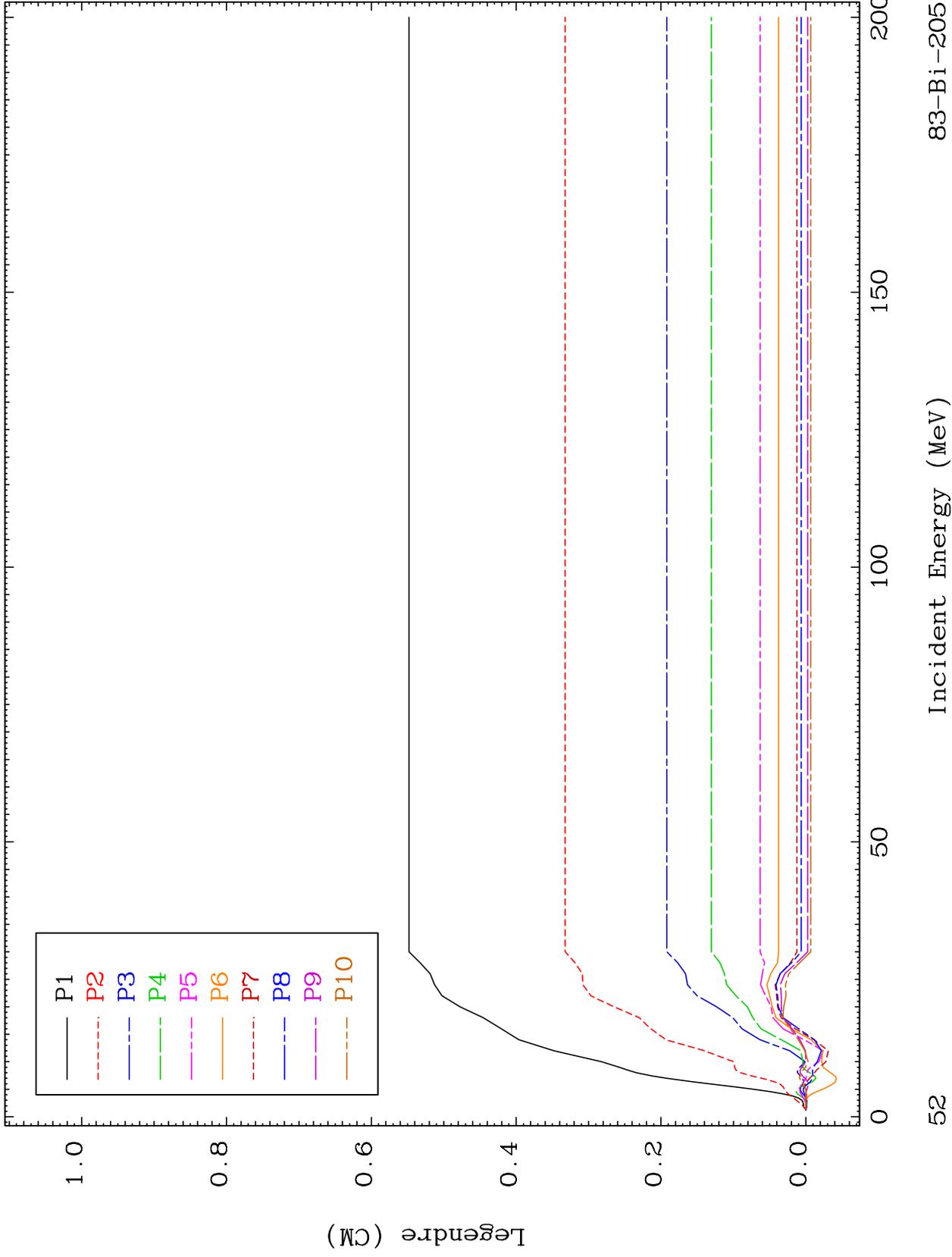
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MAT 8313

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

83-Bi-205

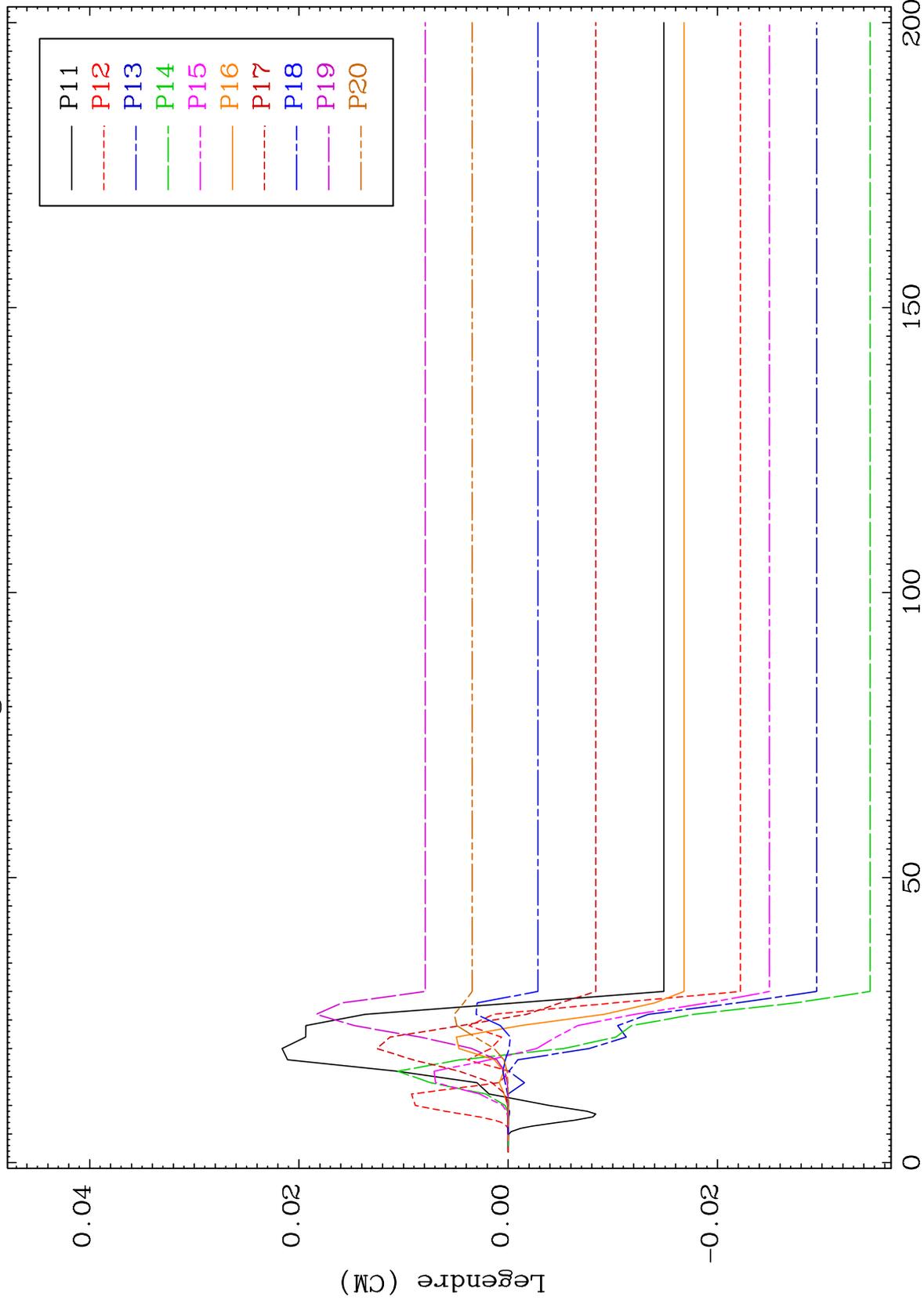


52

MAT 8313

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

83-Bi-205



53

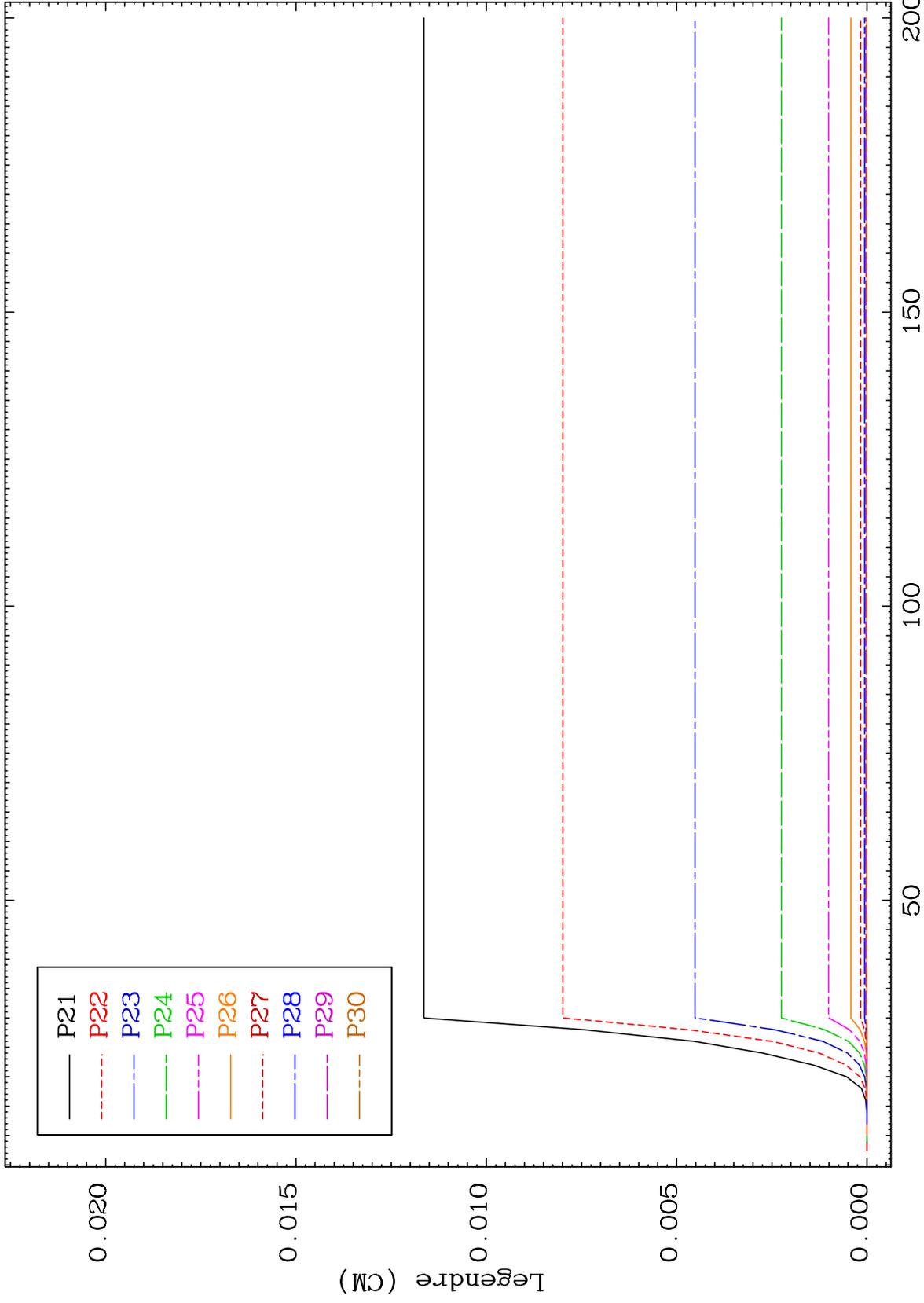
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



54

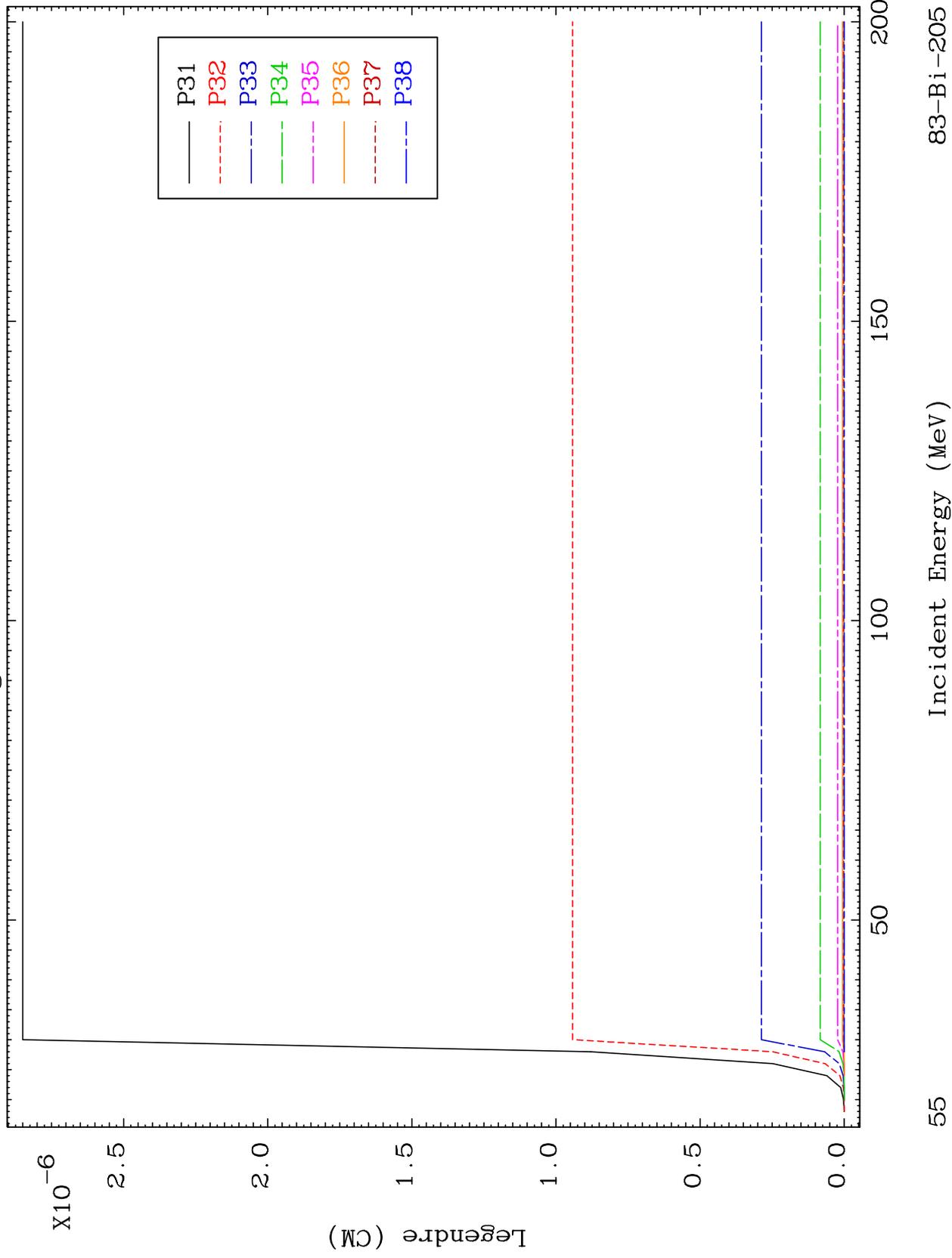
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



55

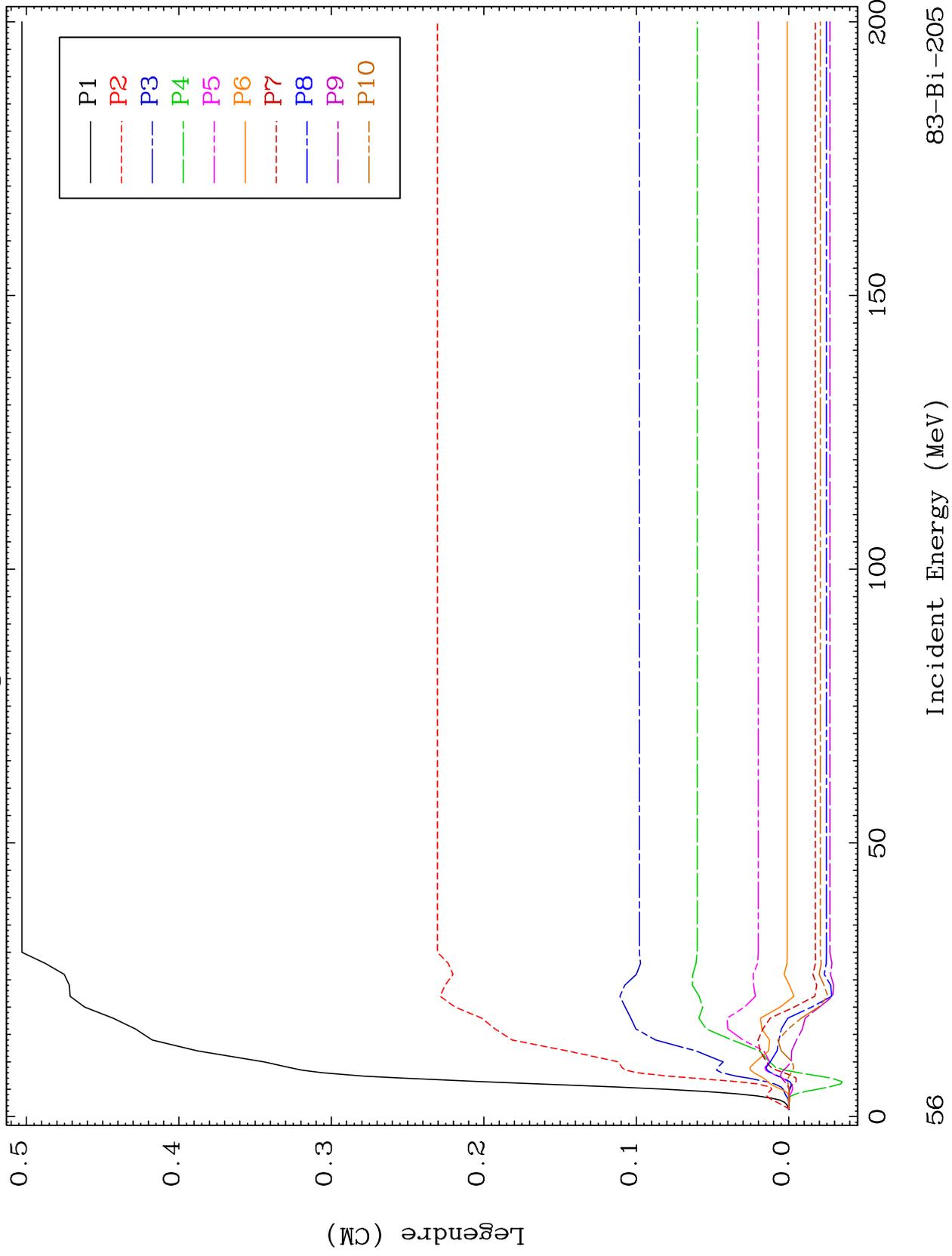
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

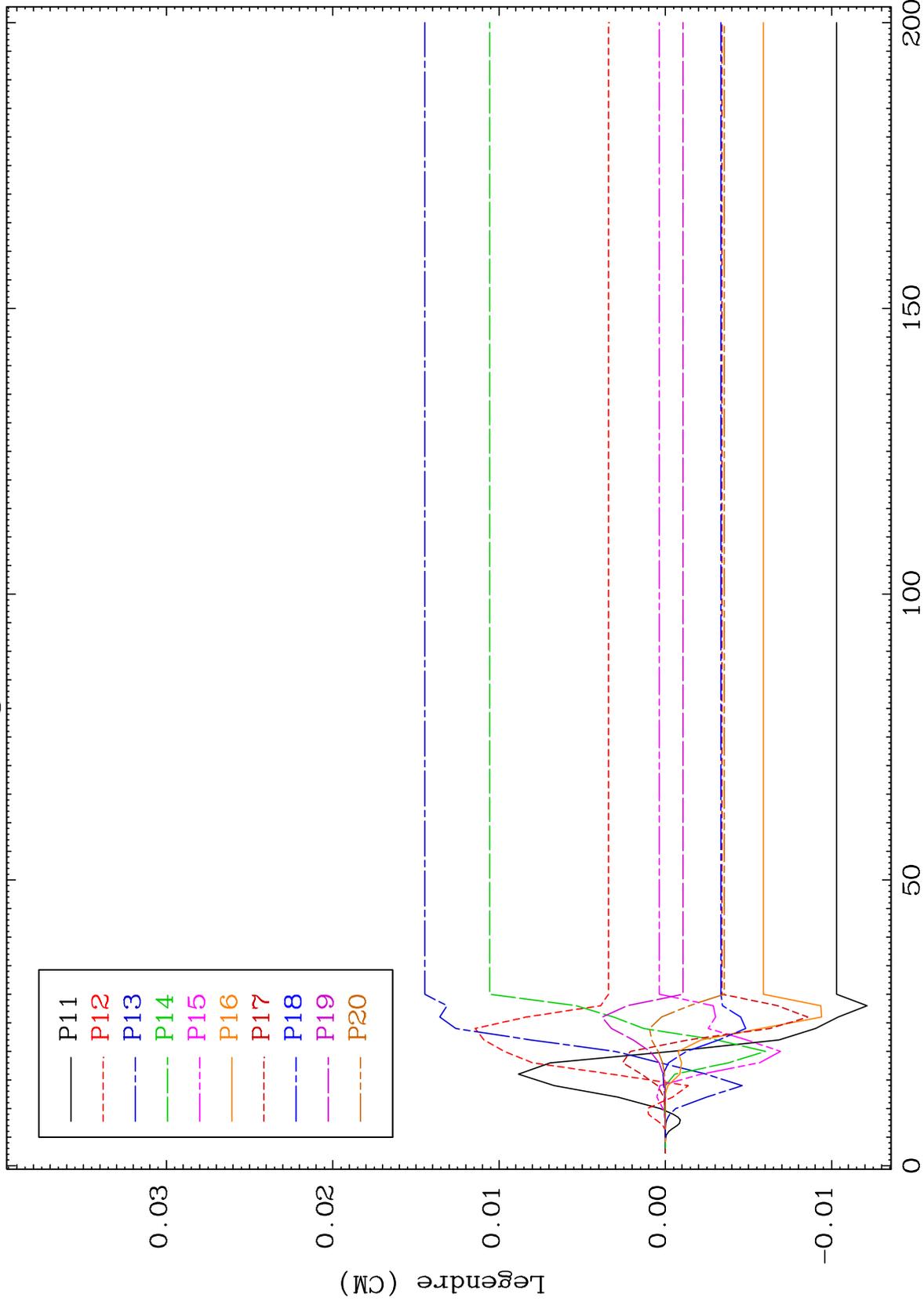
83-Bi-205



MAT 8313

83-Bi-205

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



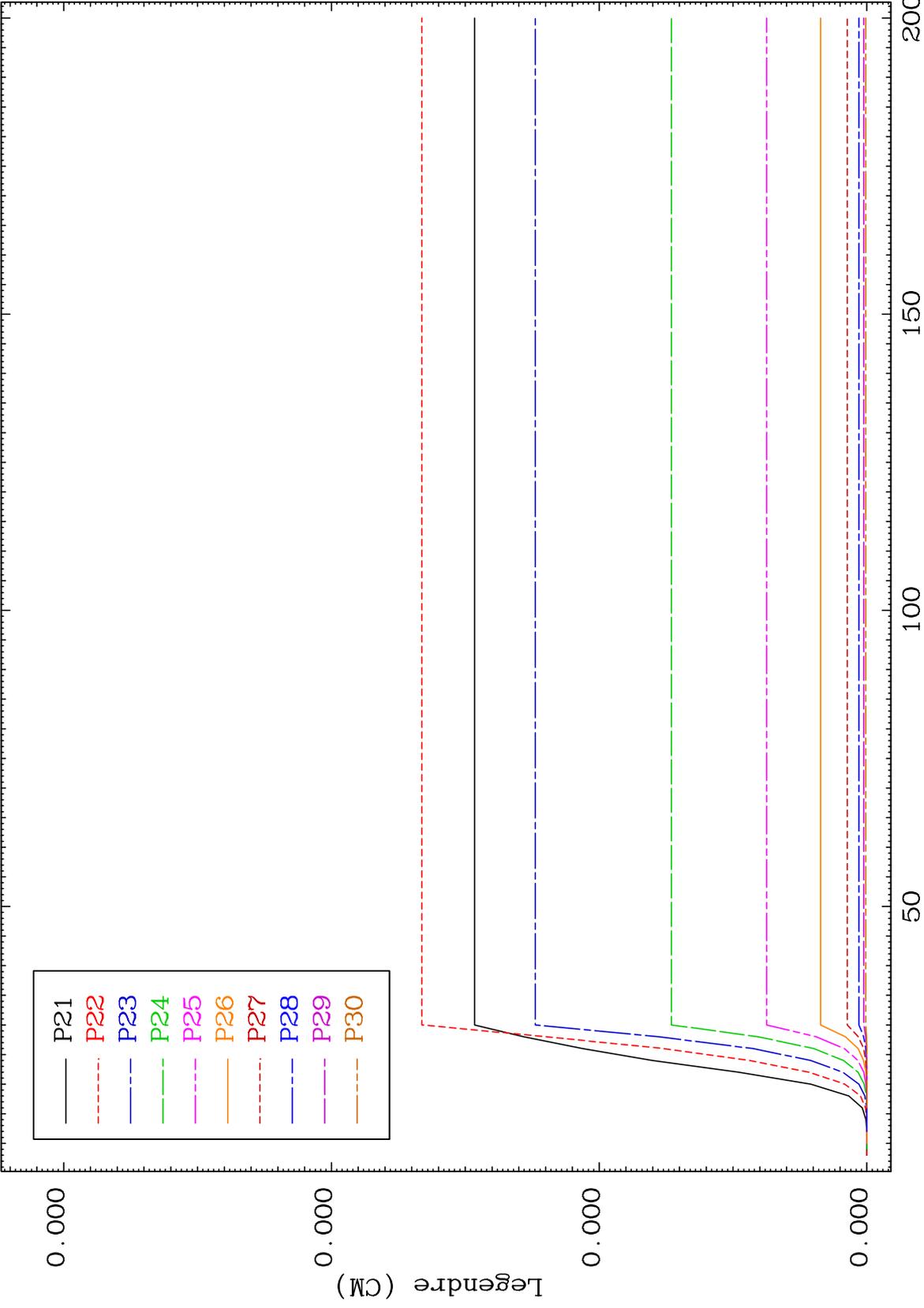
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83-Bi-205

MAT 8313

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

83-Bi-205



58

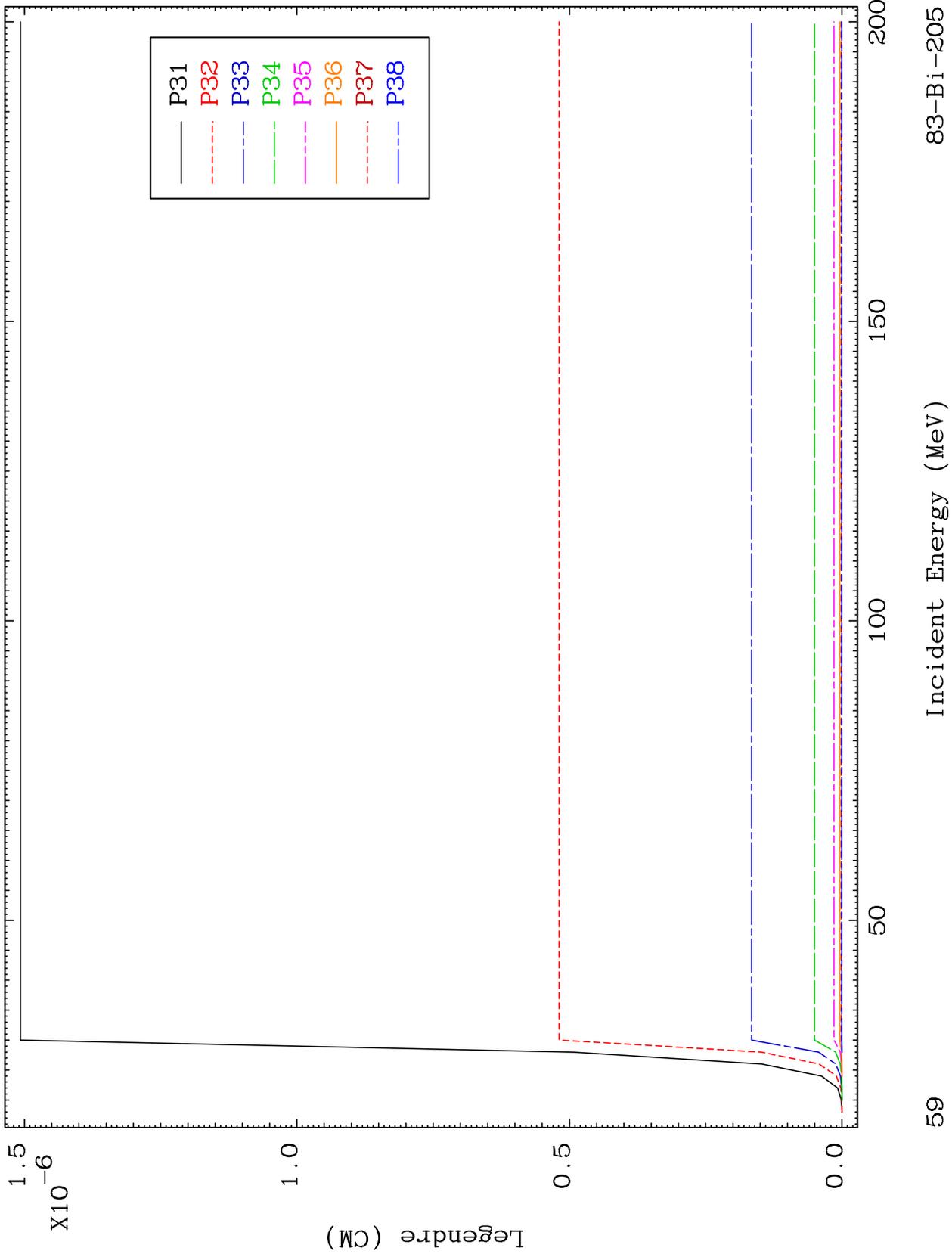
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



59

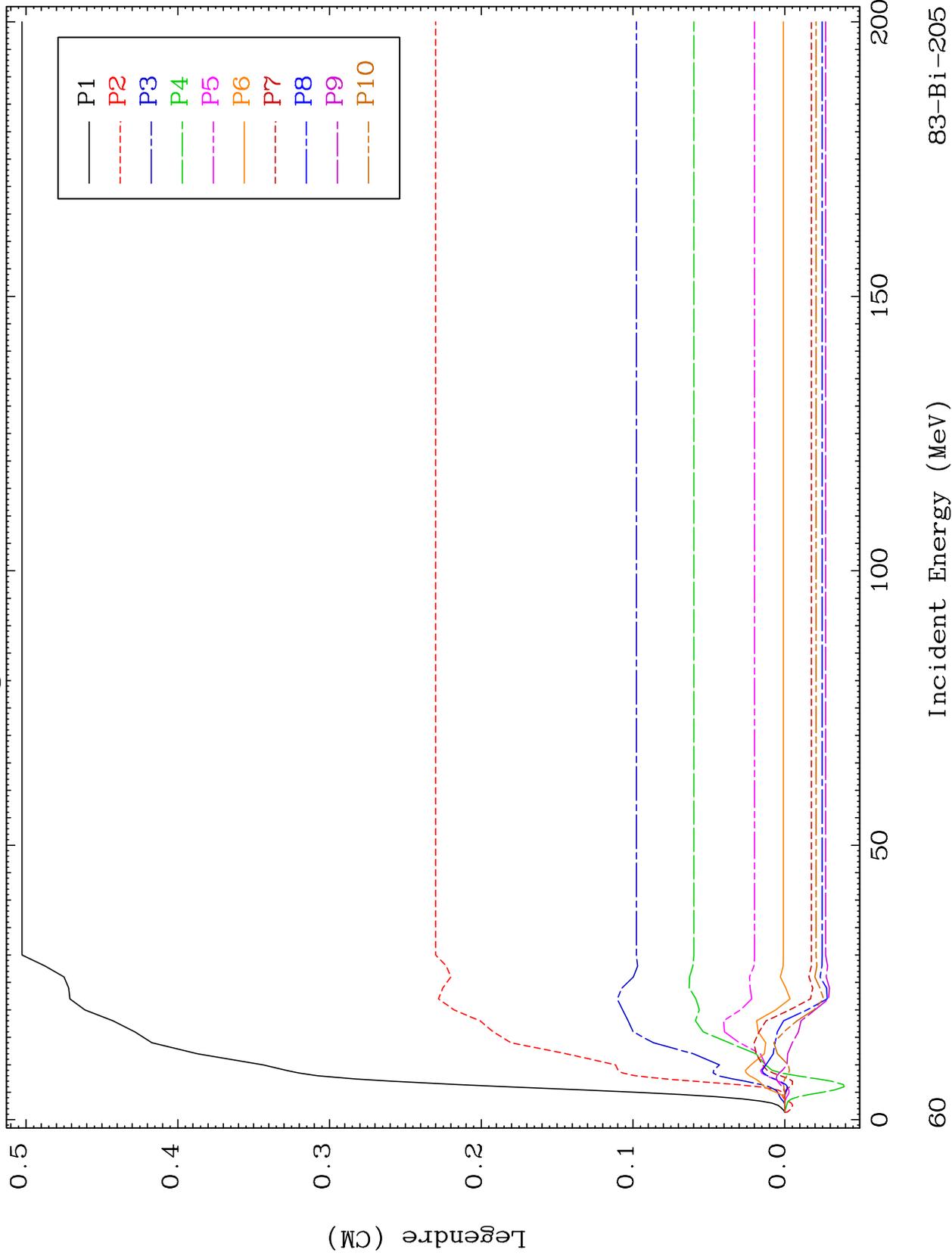
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

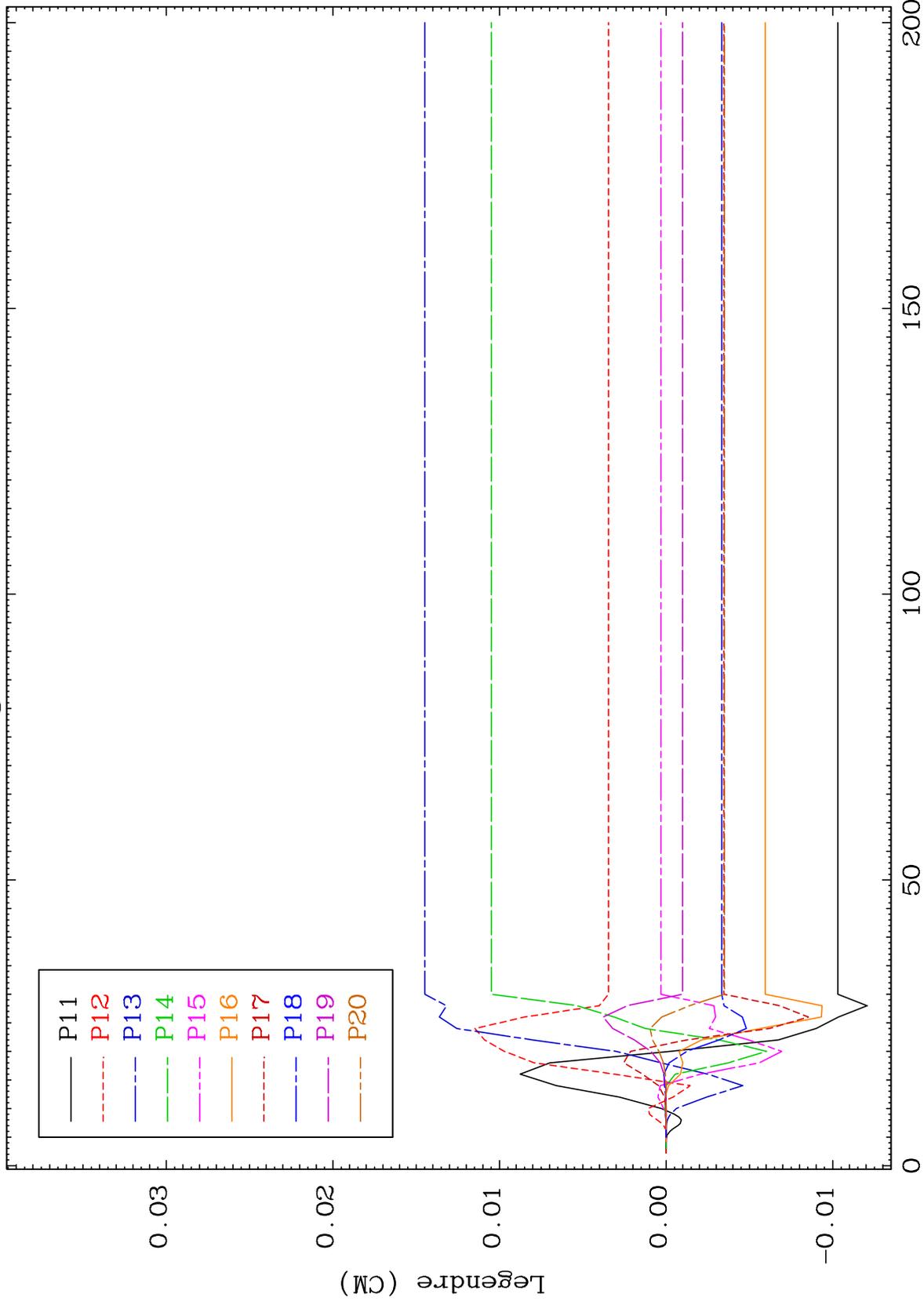
83-Bi-205



MAT 8313

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

83-Bi-205



61

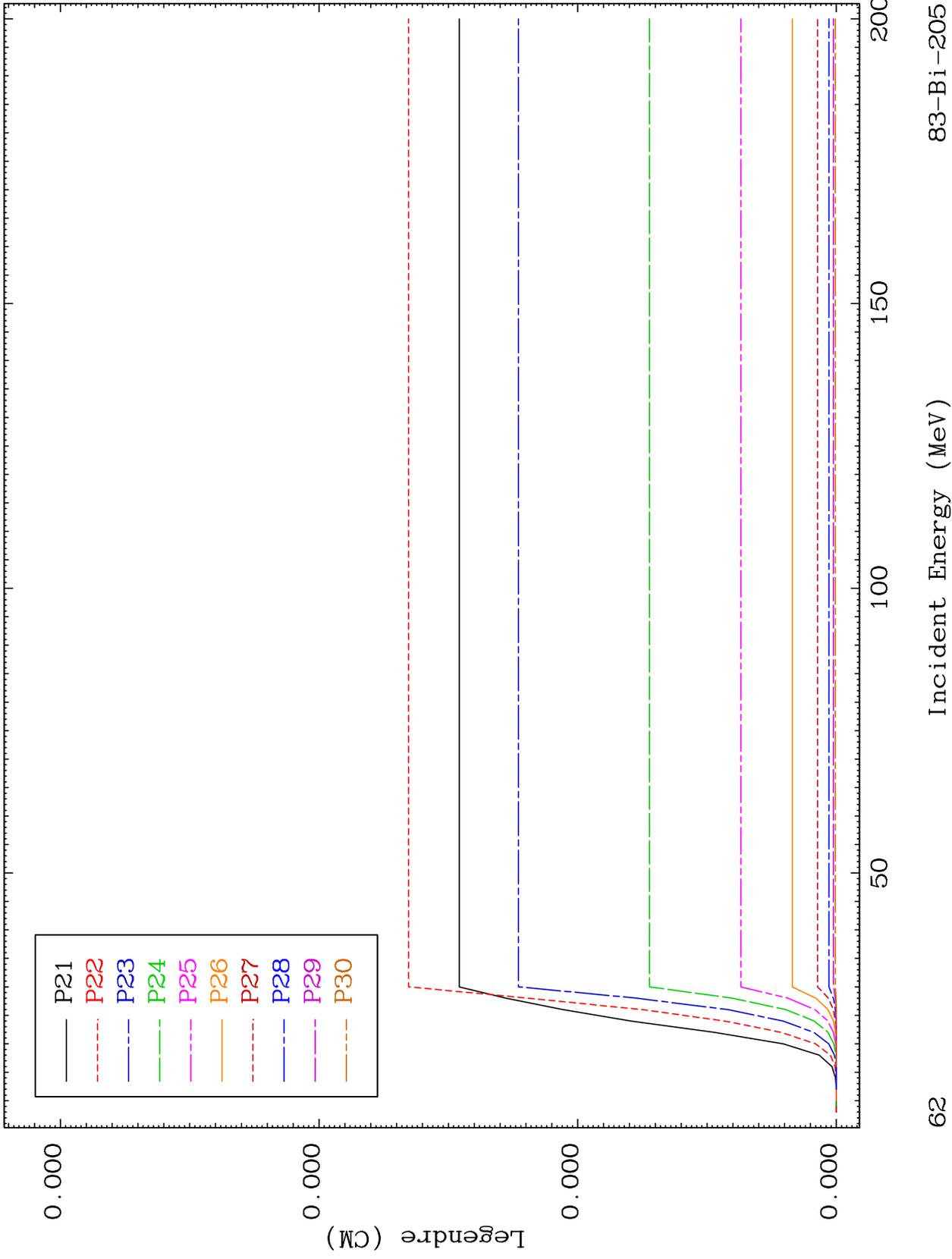
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205

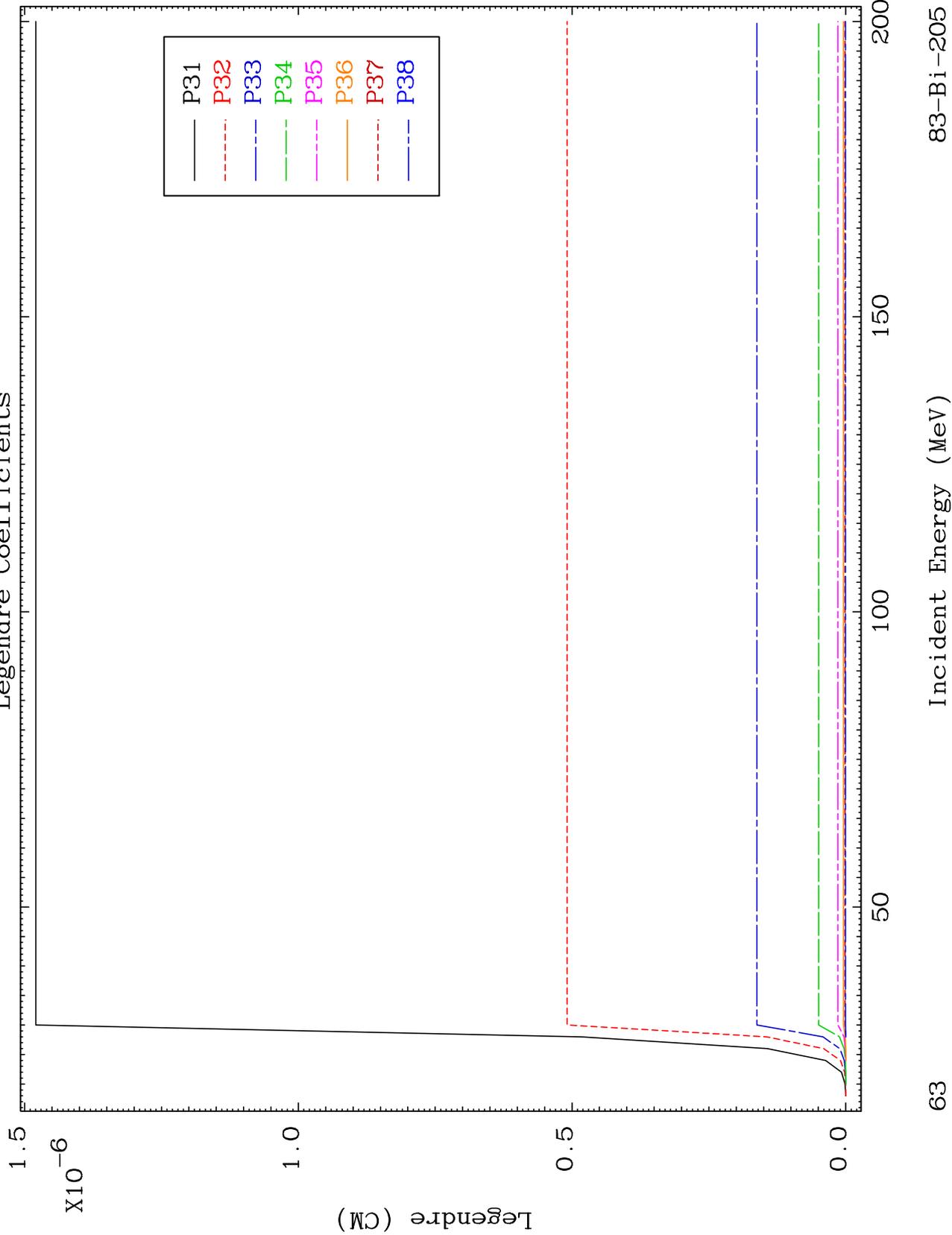


62

MAT 8313

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

83-Bi-205



63

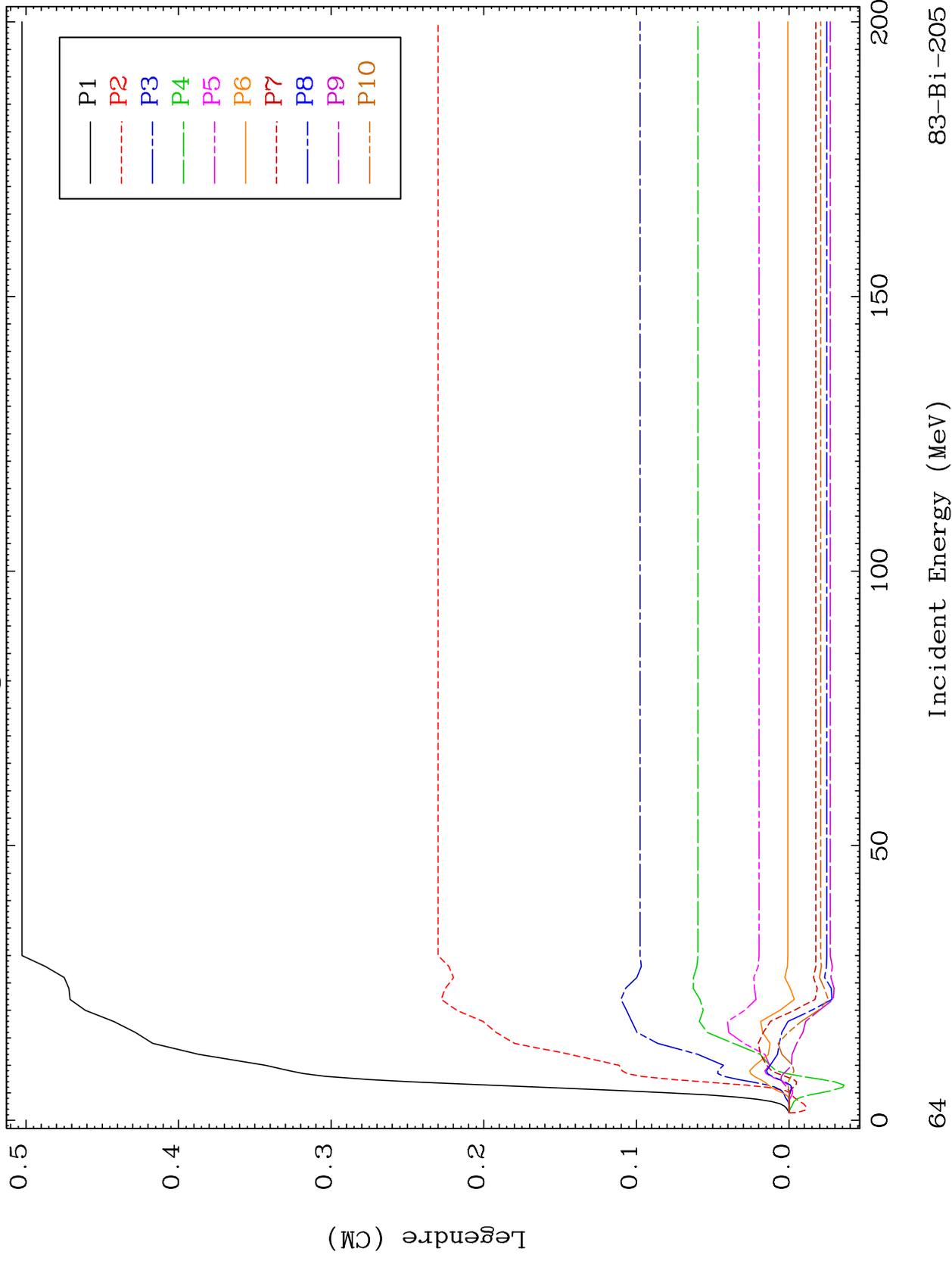
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



83-Bi-205

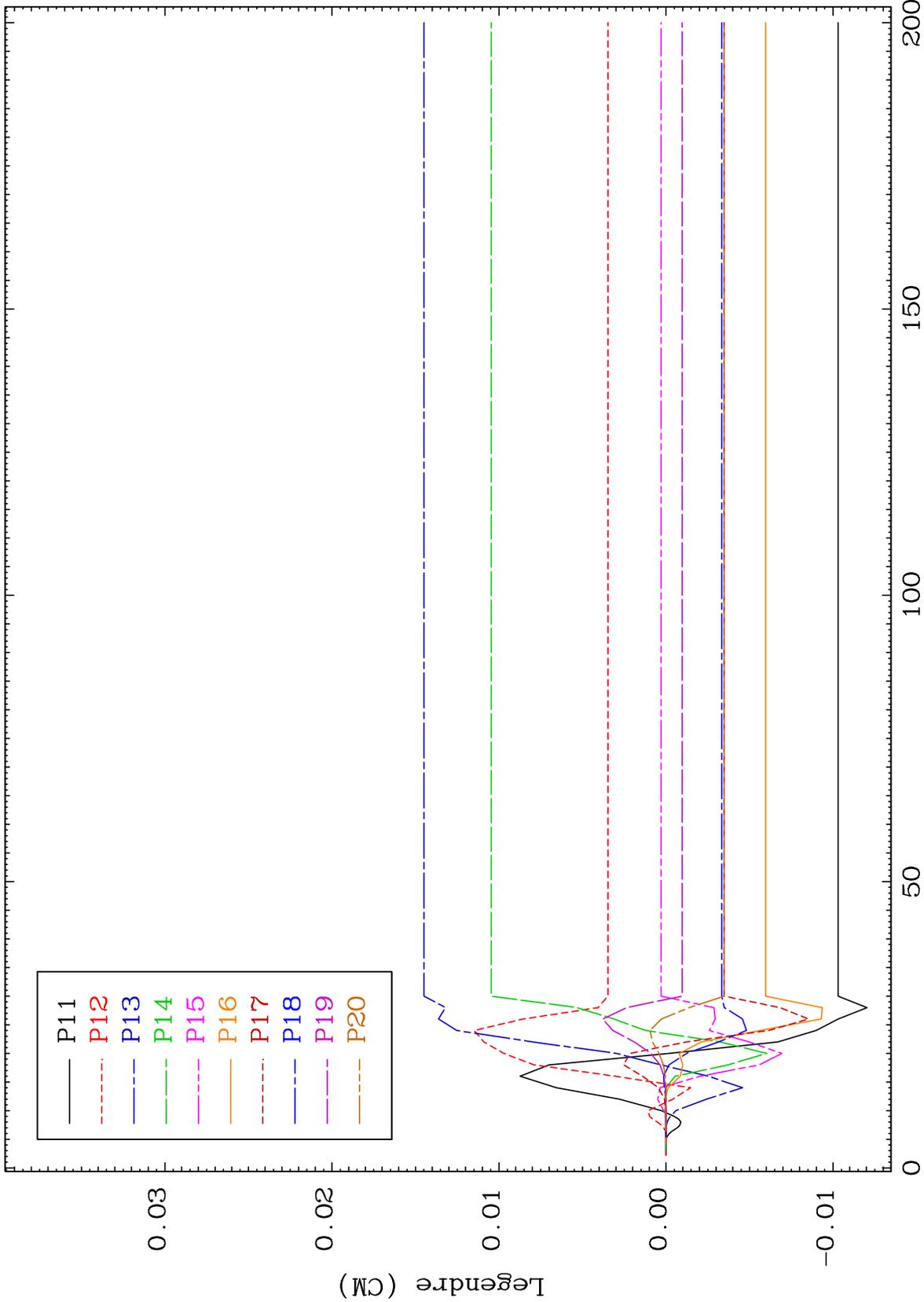
Incident Energy (MeV)

64

MAT 8313

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

83-Bi-205



65

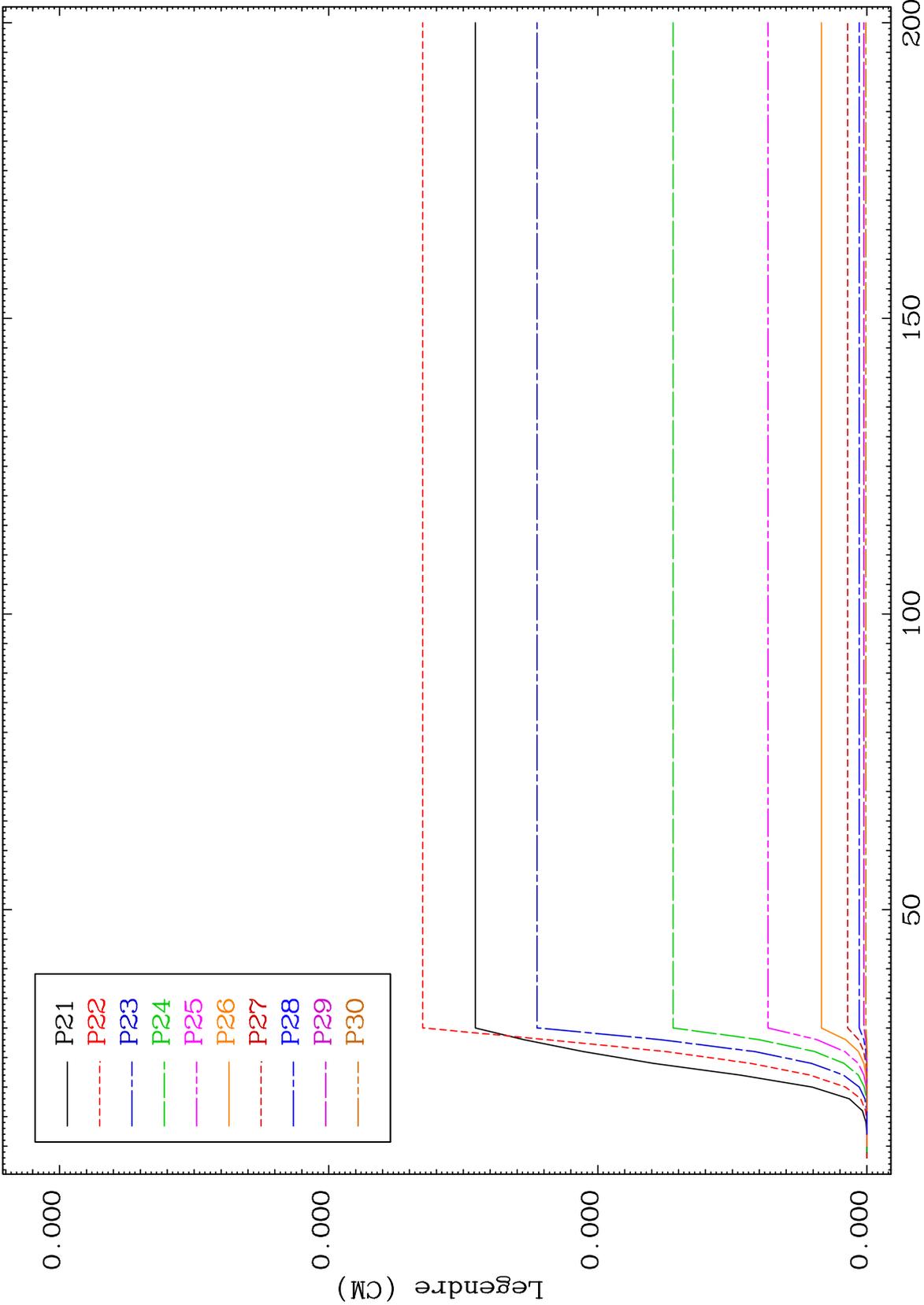
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



66

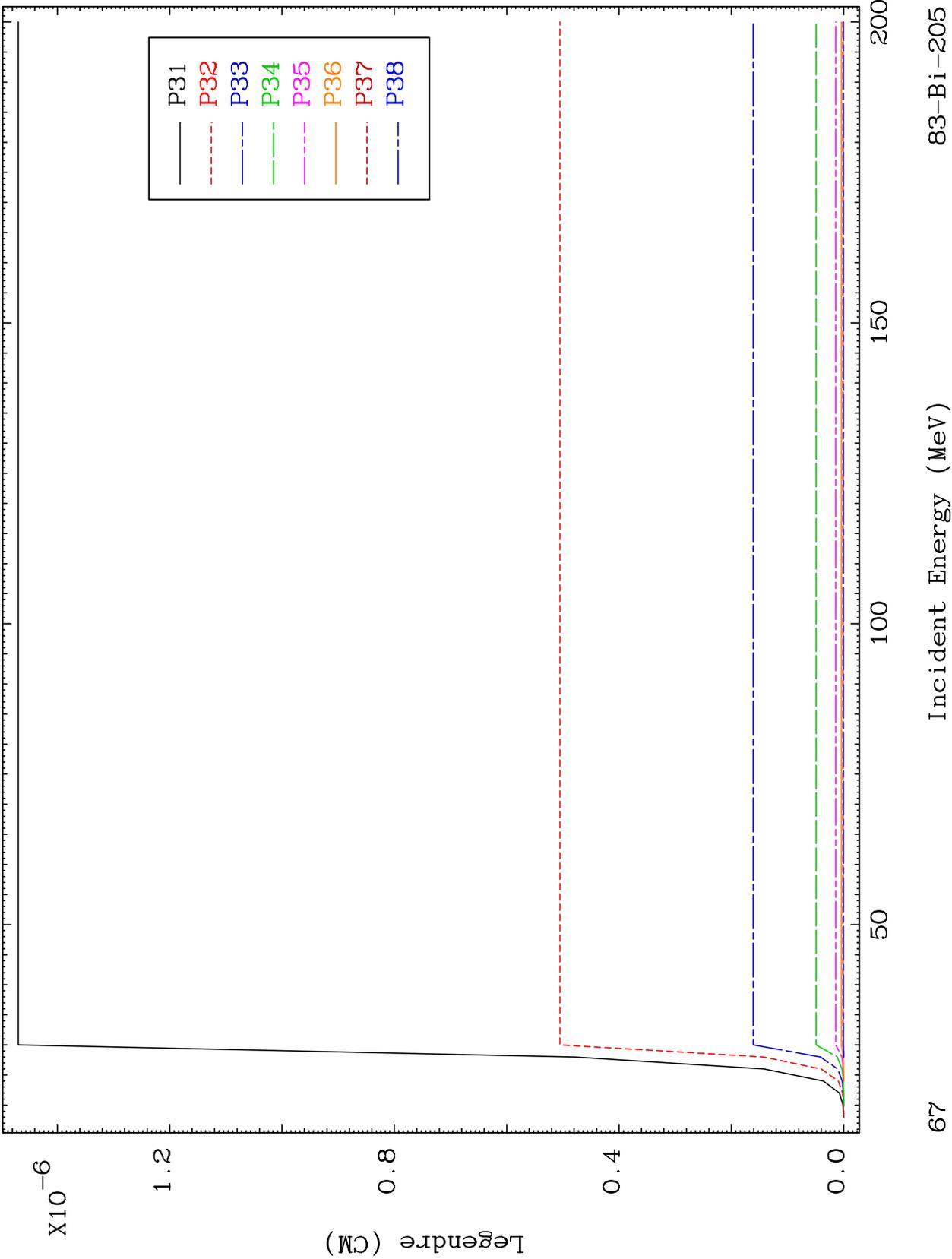
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

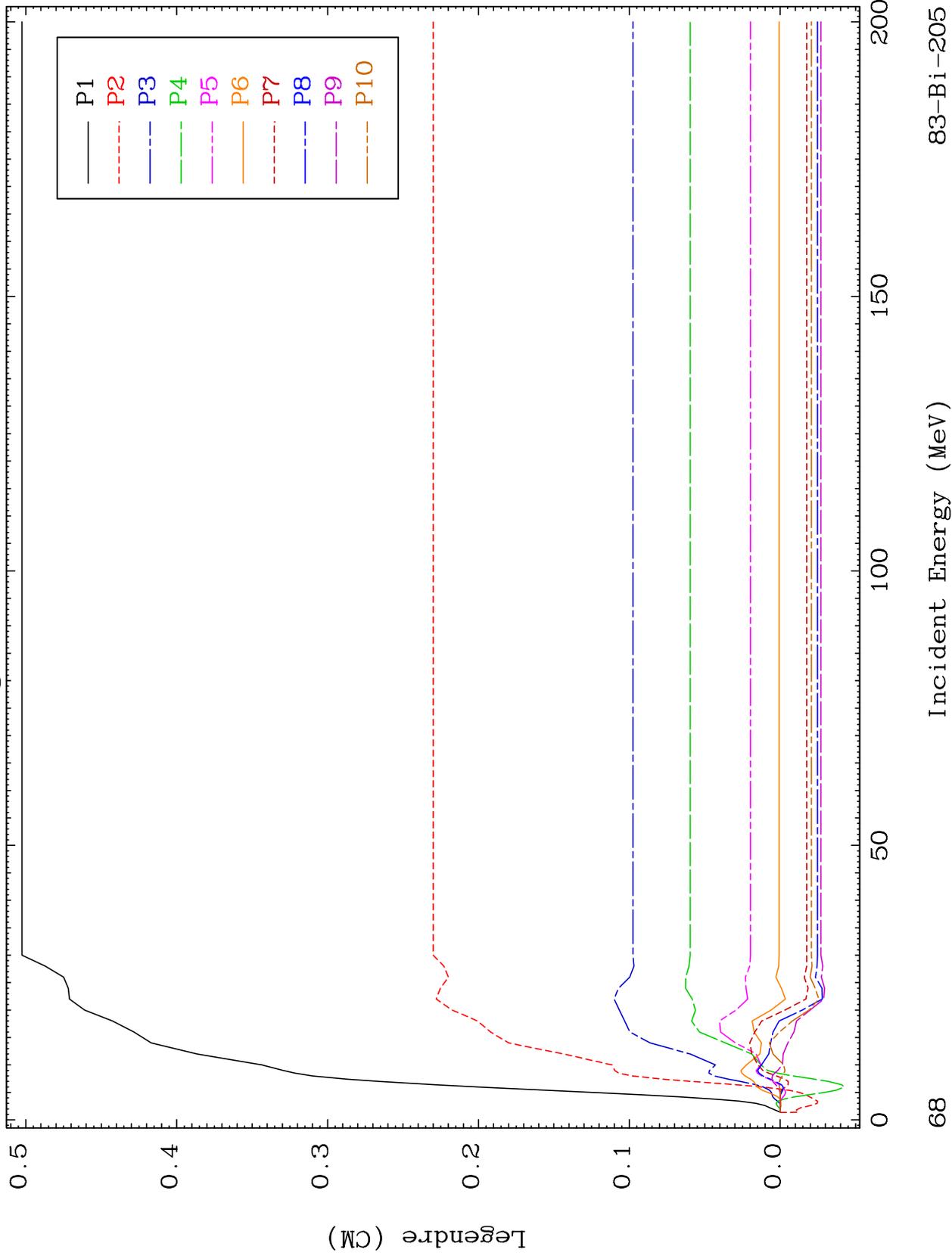
83-Bi-205



MAT 8313

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

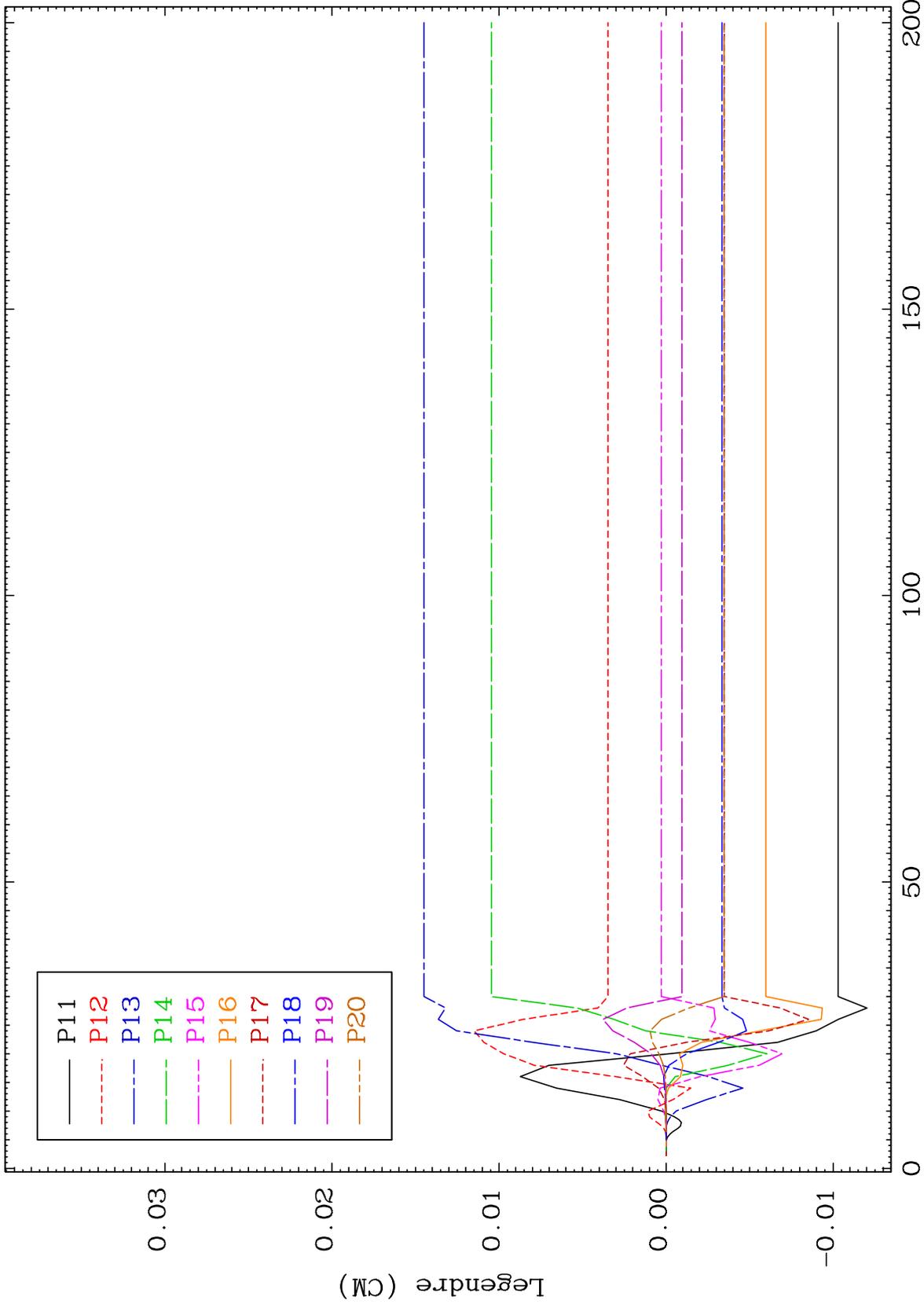
83-Bi-205



MAT 8313

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

83-Bi-205



69

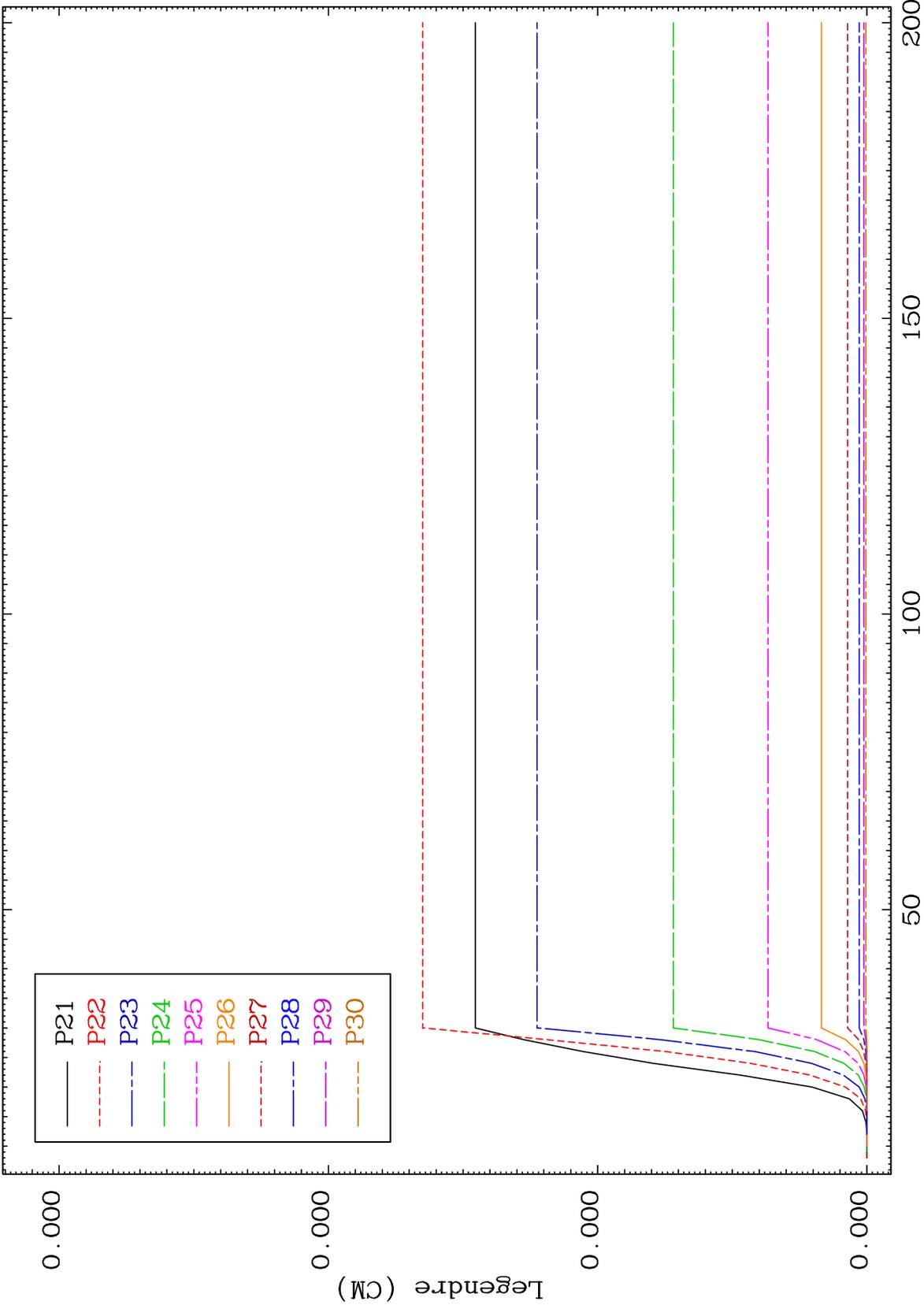
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



70

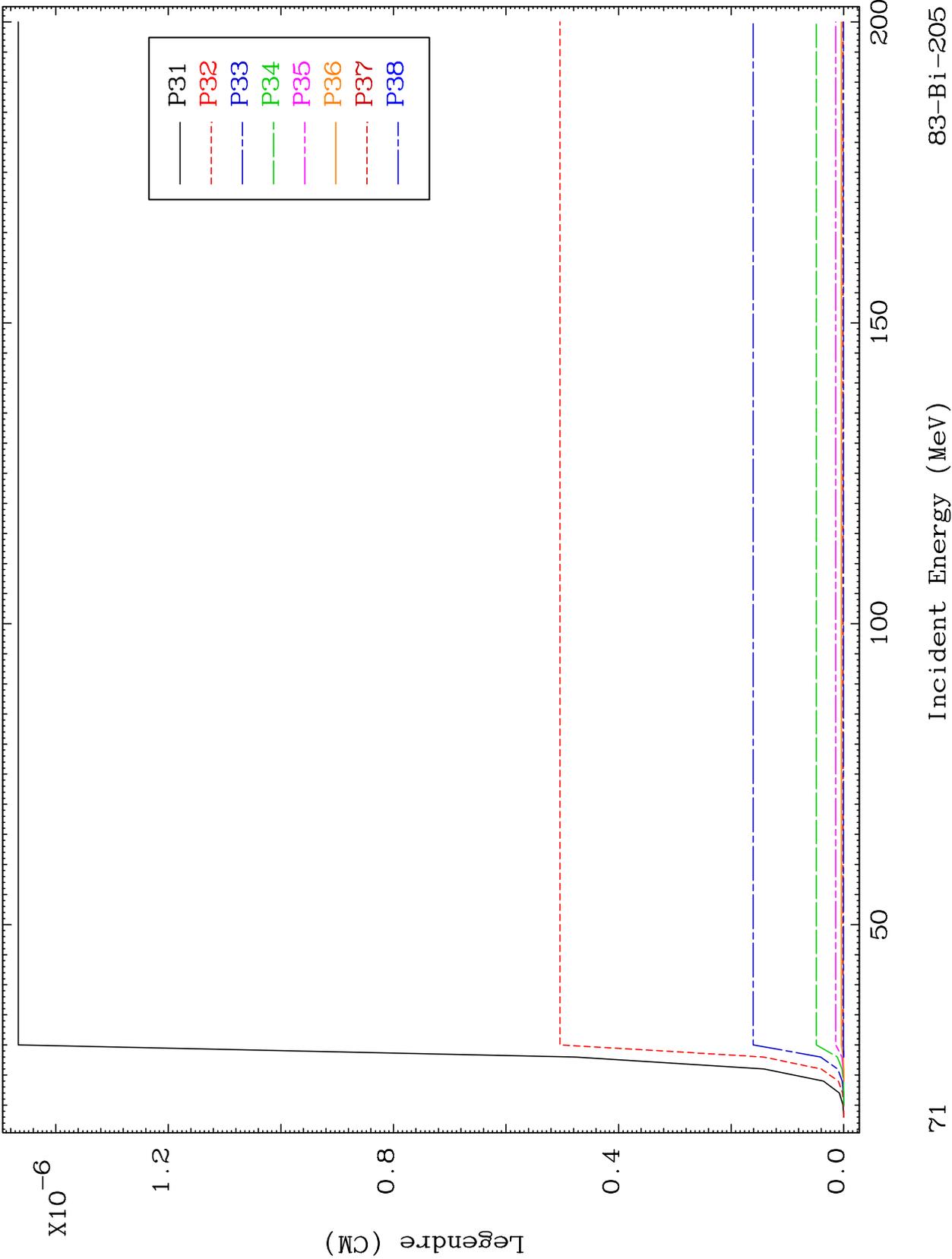
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

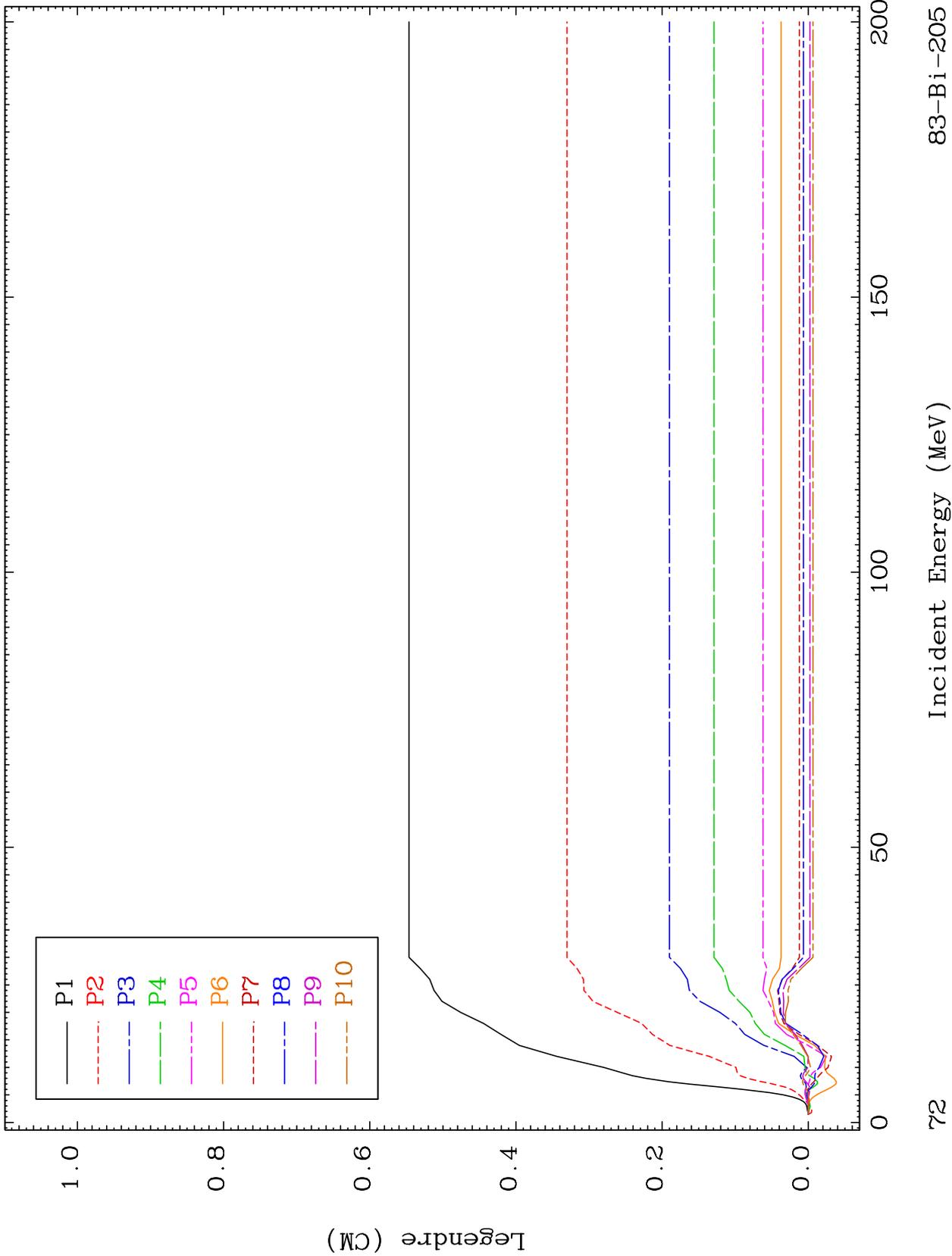
83-Bi-205



MAT 8313

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

83-Bi-205

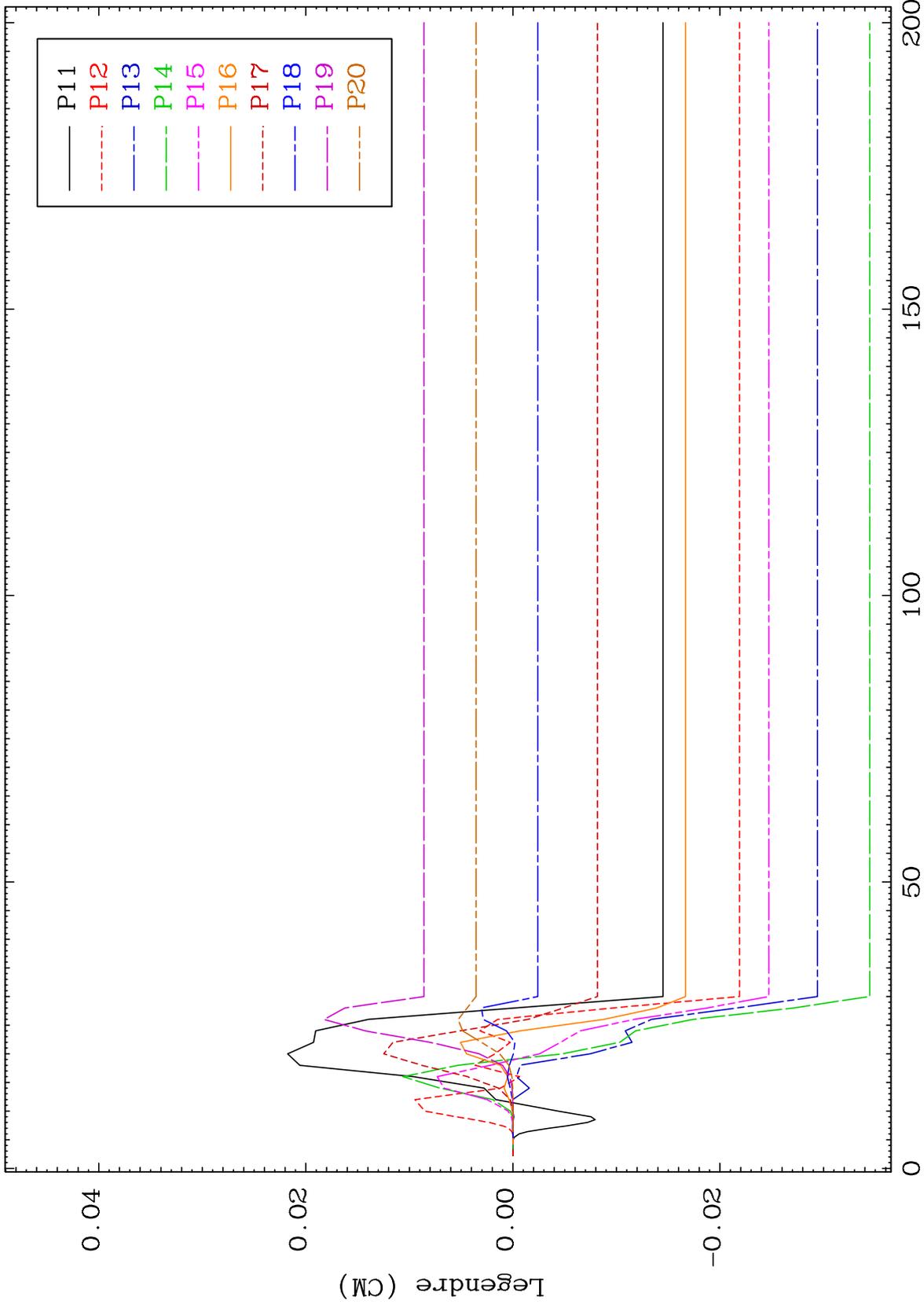


72

MAT 8313

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

83-Bi-205



73

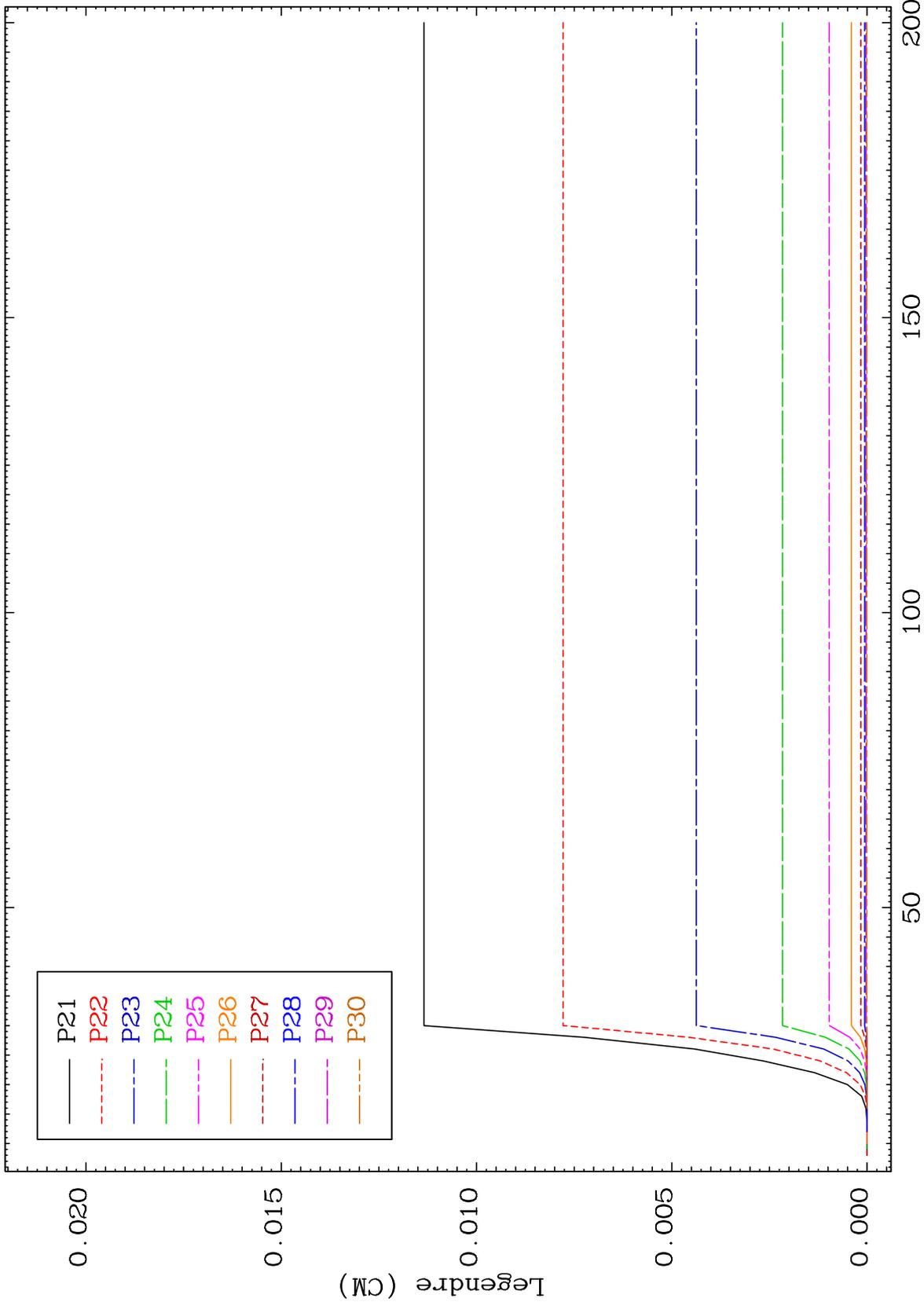
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



74

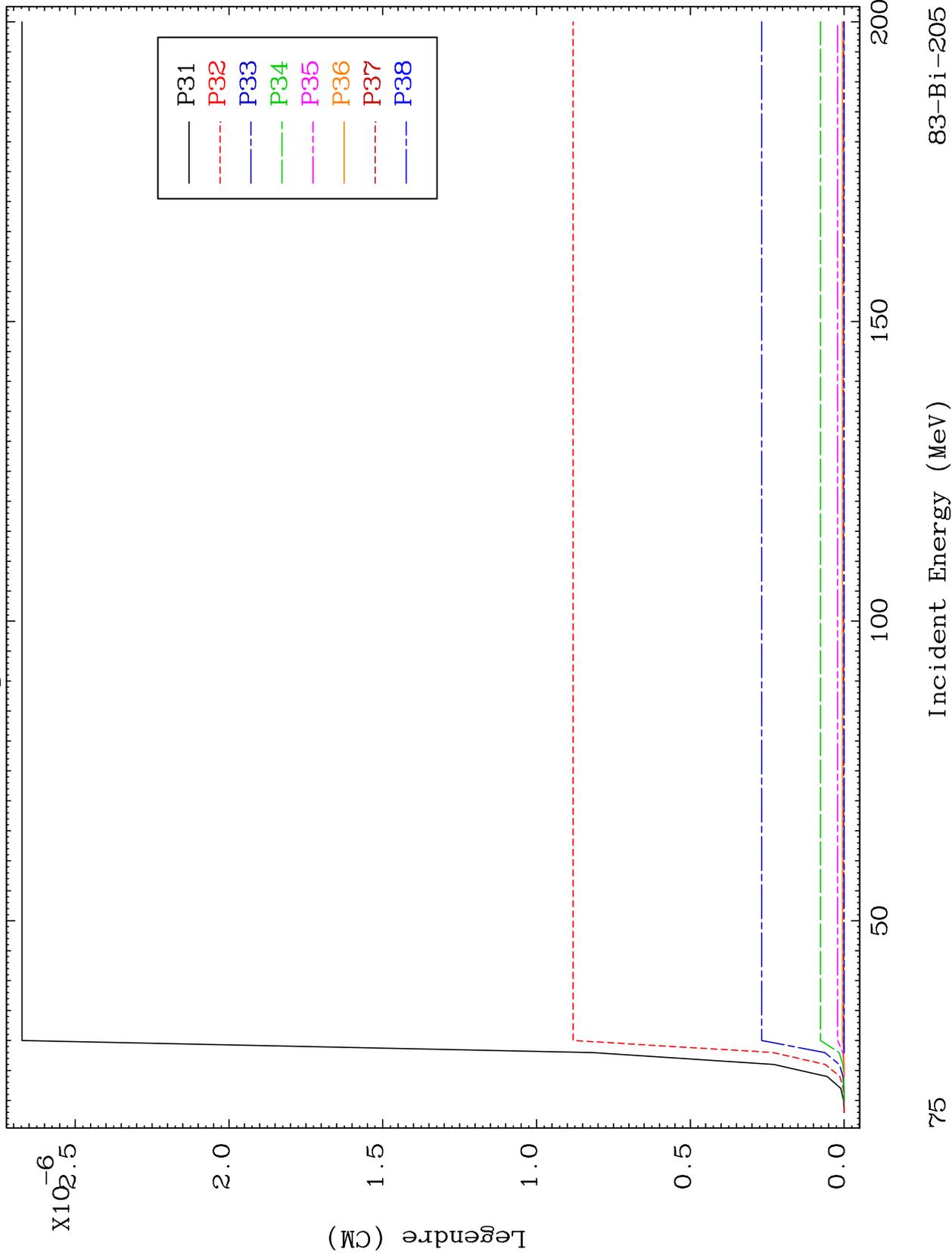
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



75

Incident Energy (MeV)

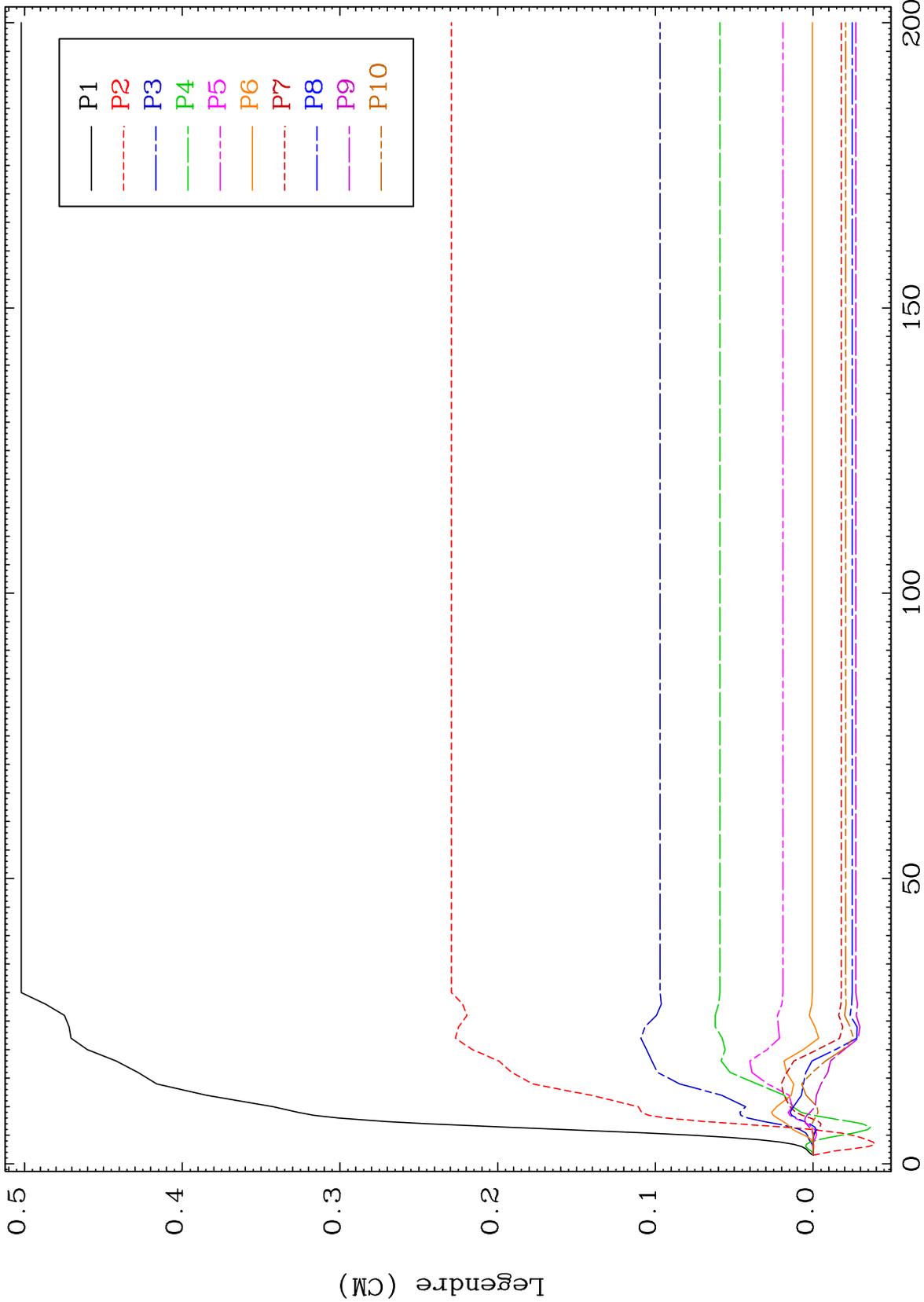
83-Bi-205

MAT 8313

MT= 65 (n,n') Level

83-Bi-205

Legendre Coefficients



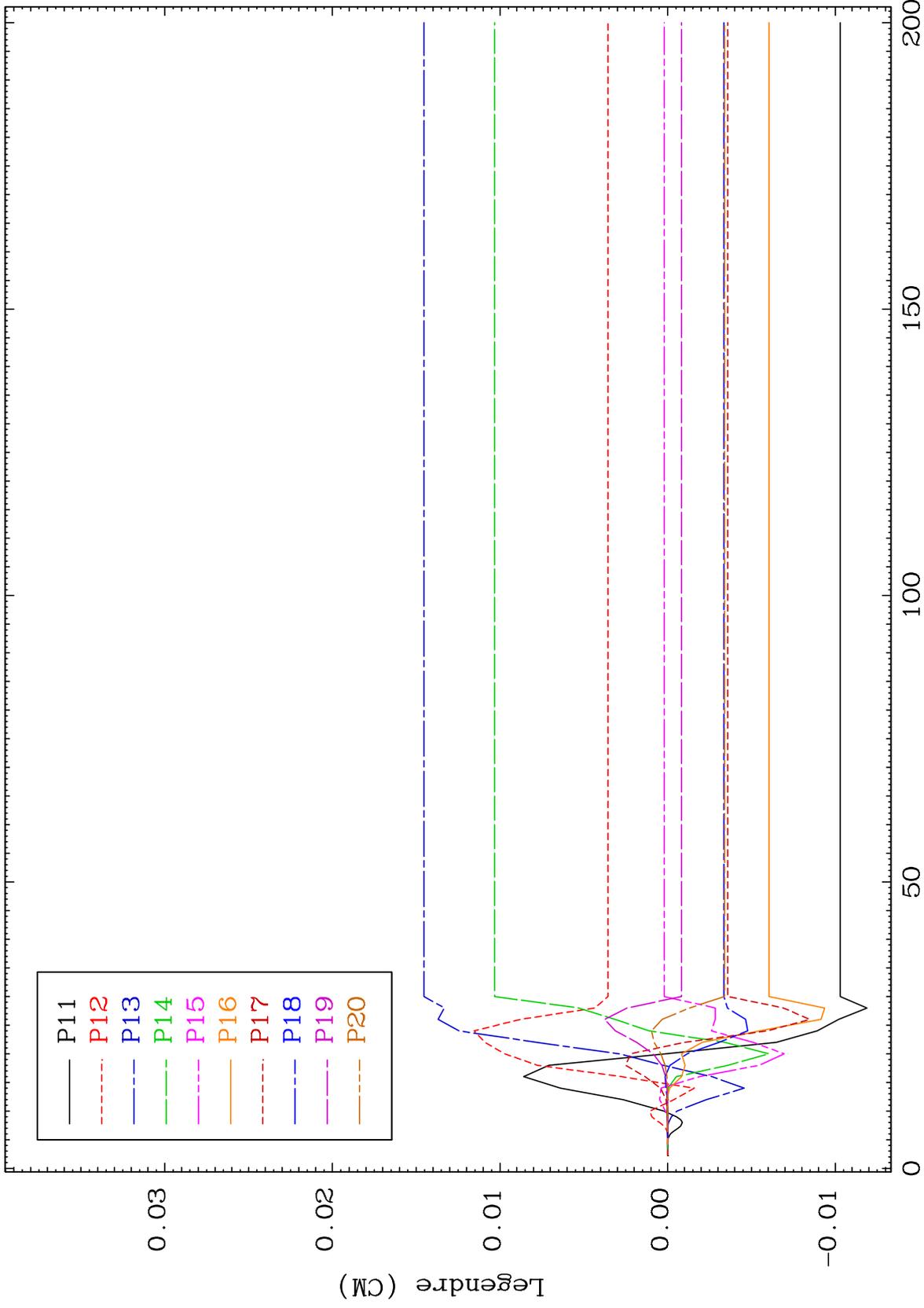
76

83-Bi-205

MAT 8313

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

83-Bi-205



77

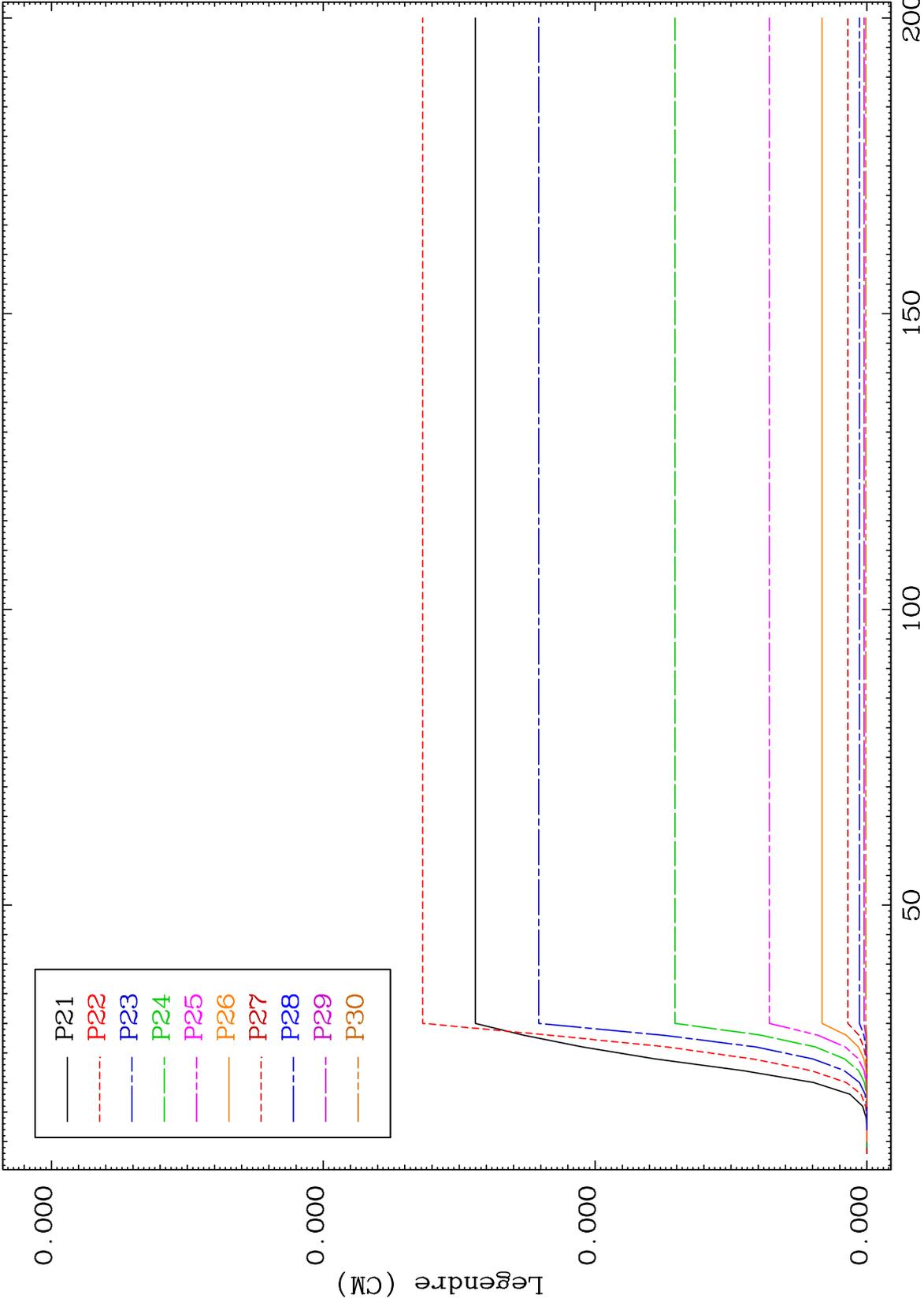
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



78

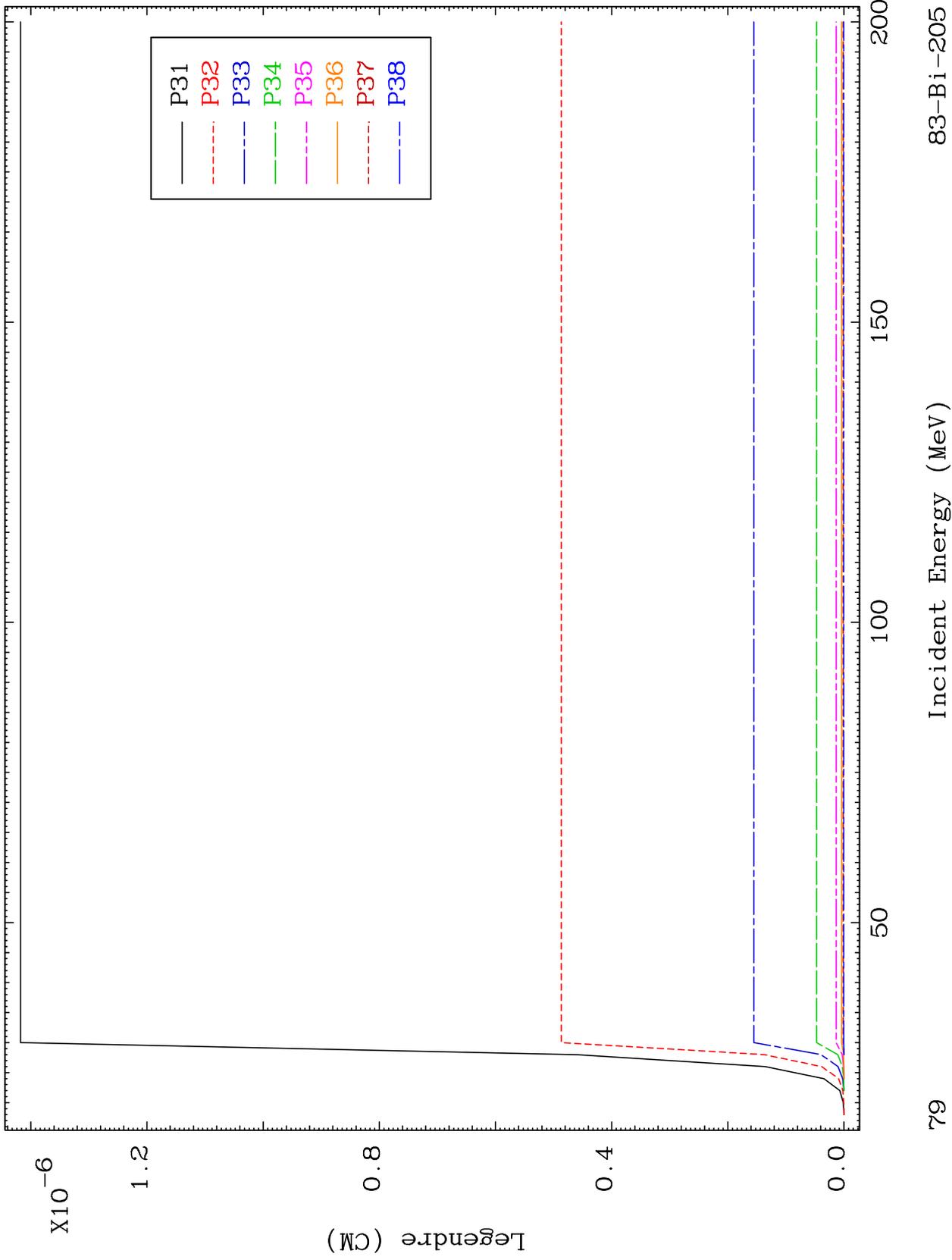
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

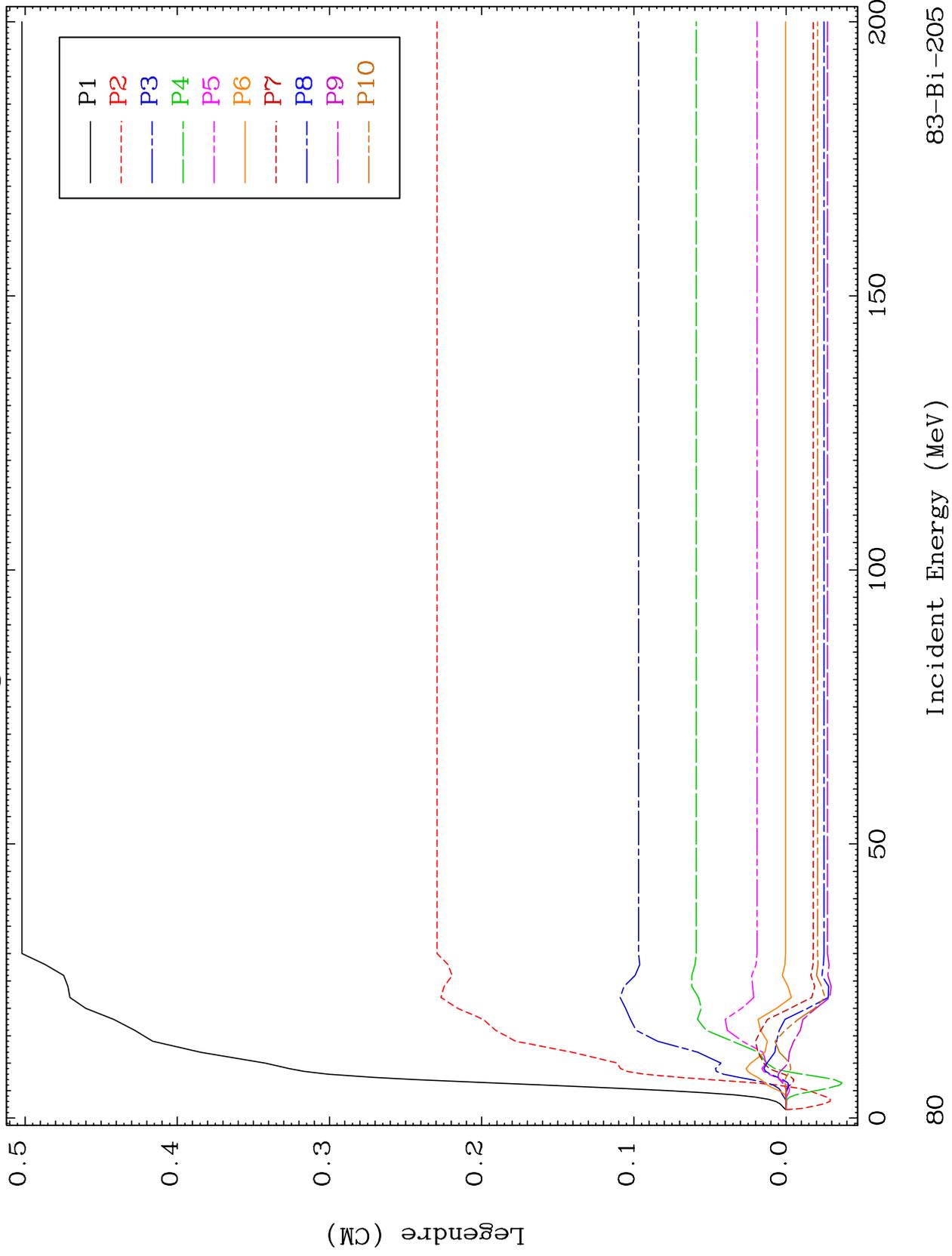
83-Bi-205



MAT 8313

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

83-Bi-205



83-Bi-205

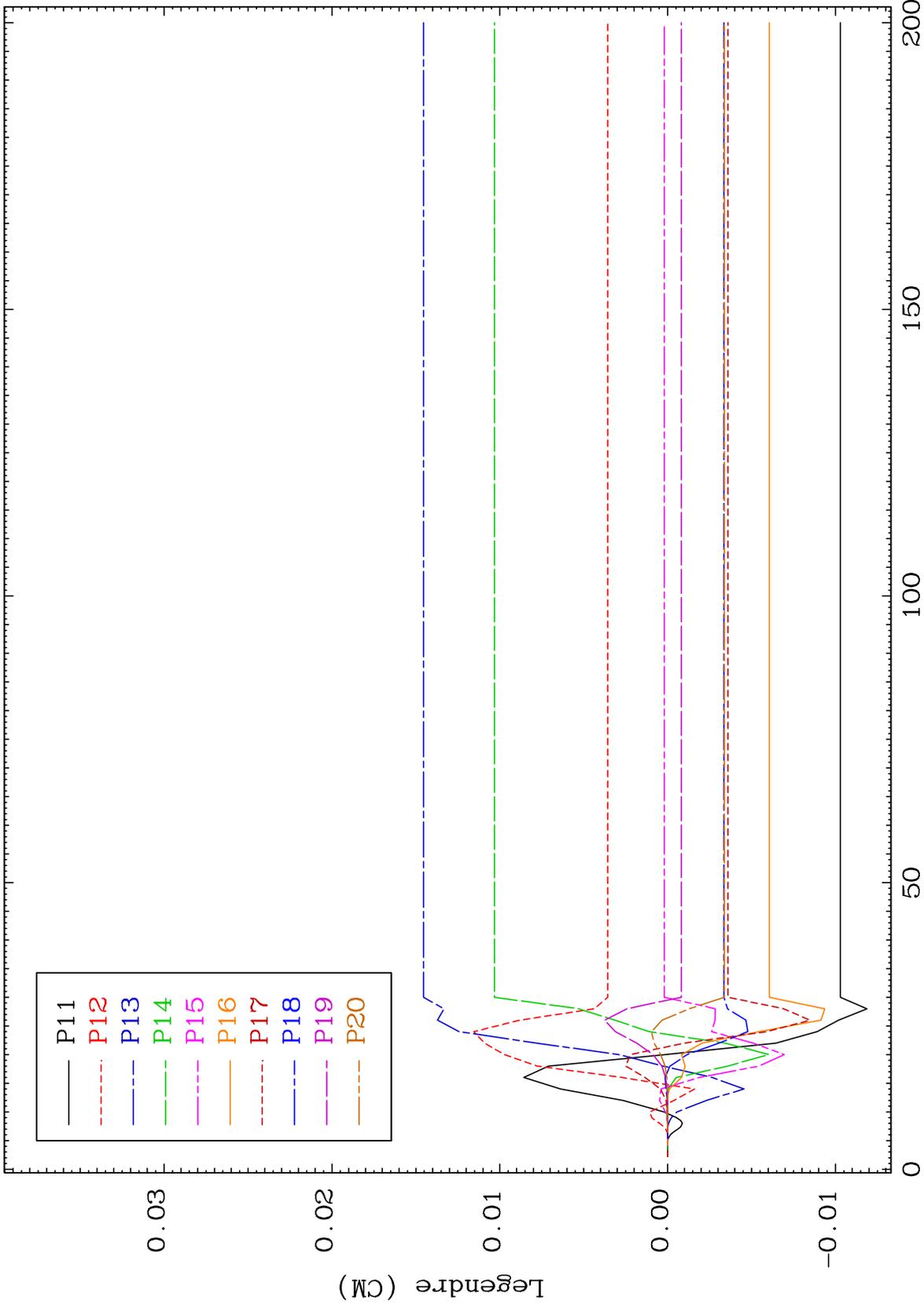
Incident Energy (MeV)

80

MAT 8313

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

83-Bi-205



81

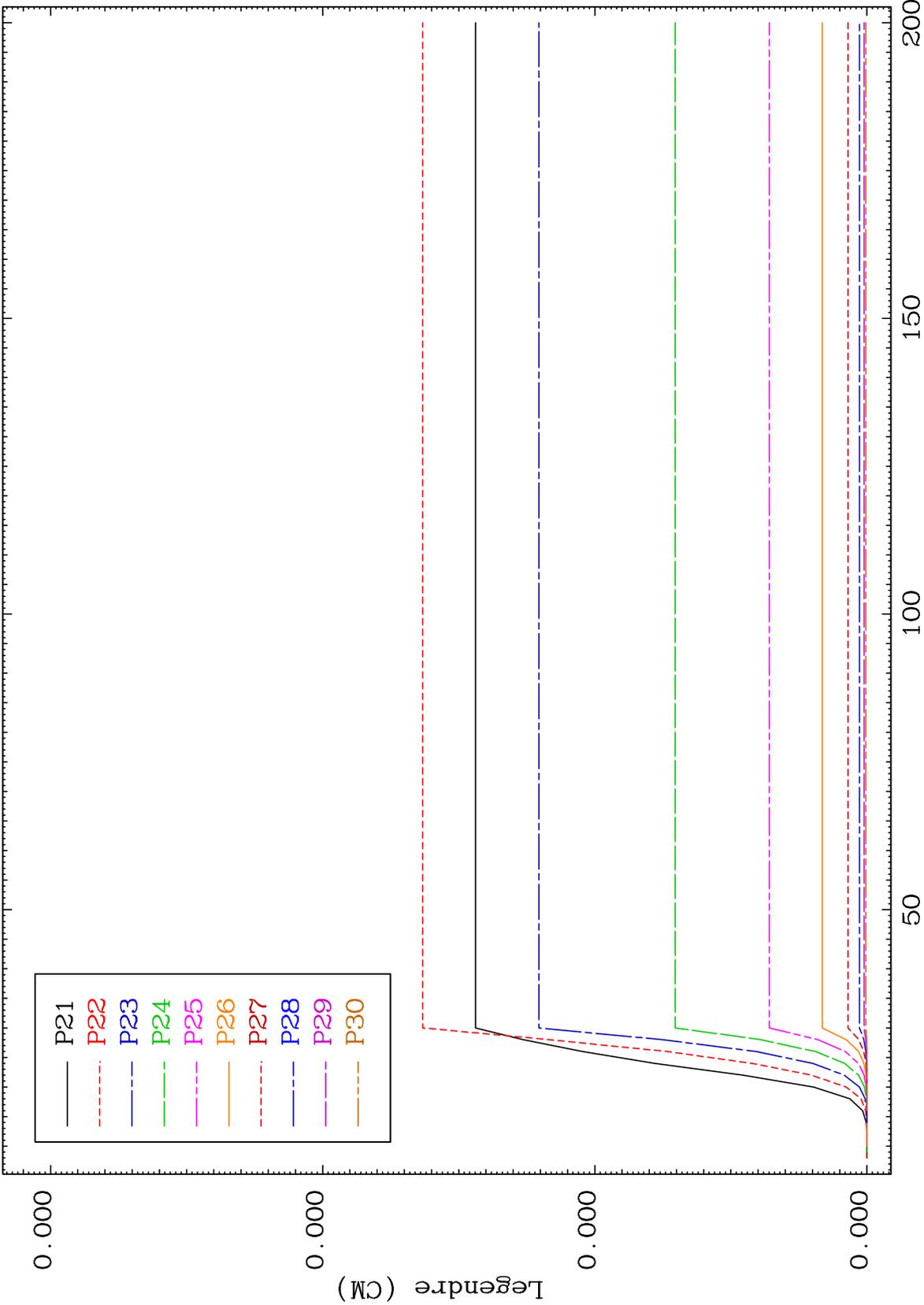
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



82

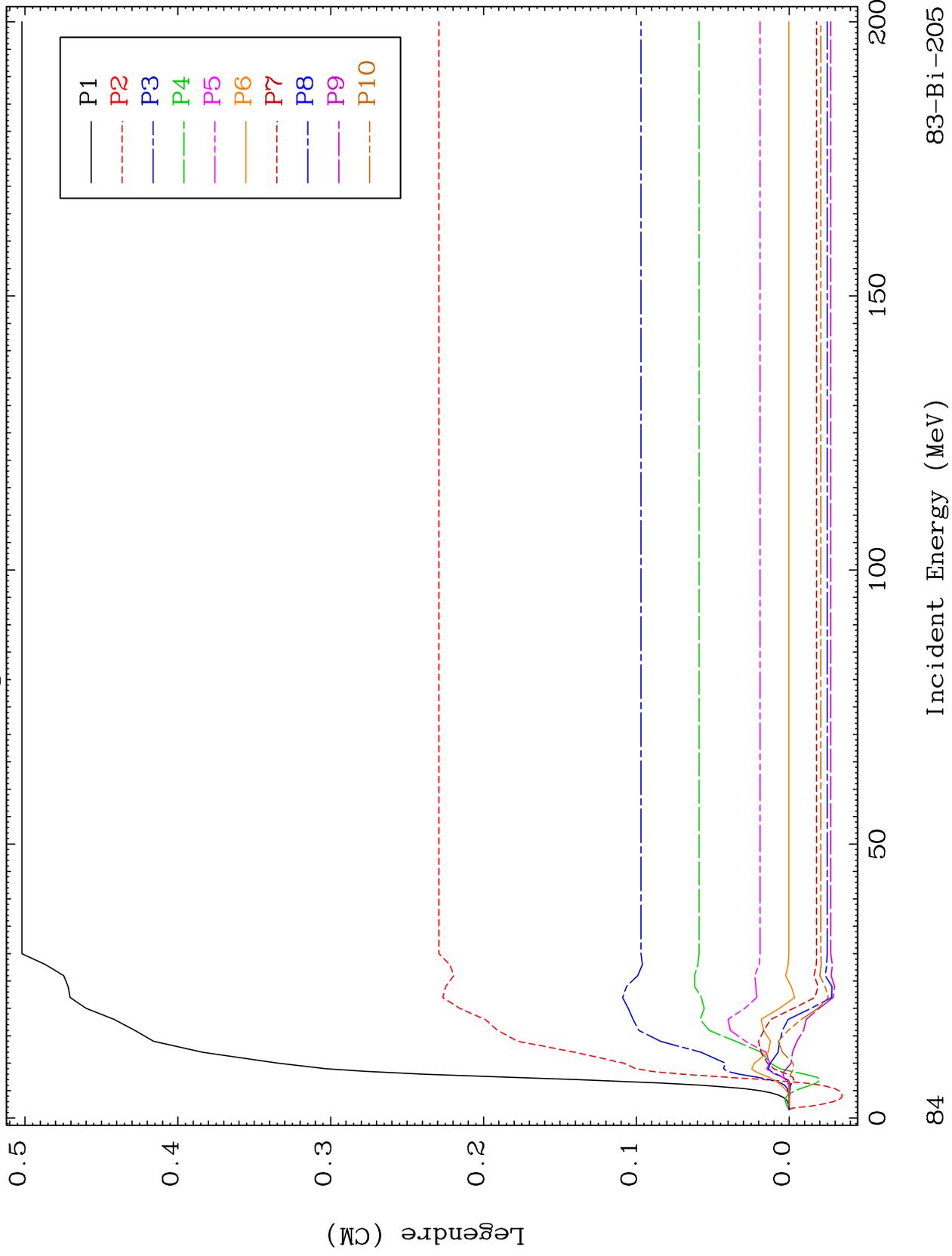
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

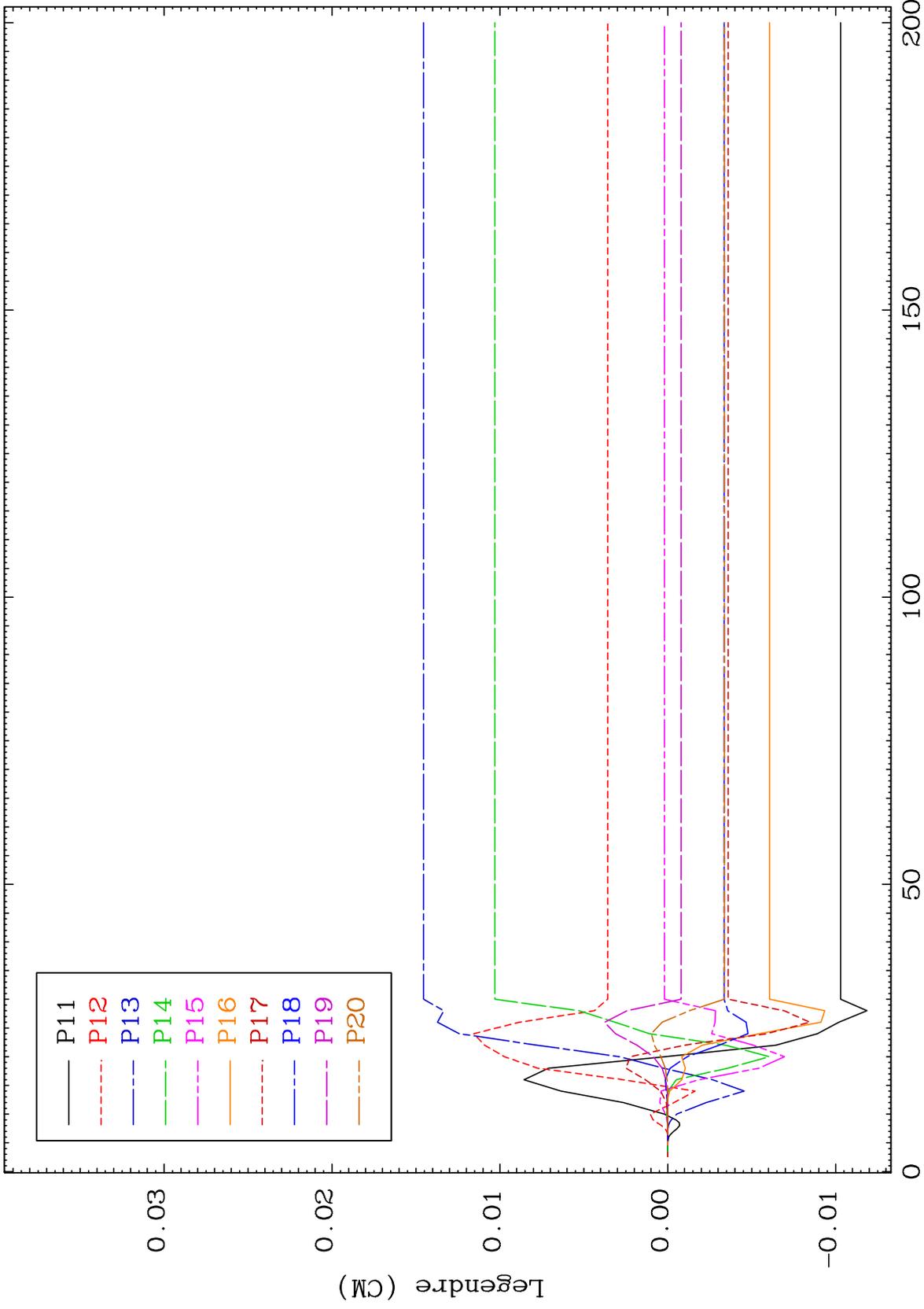
83-Bi-205



MAT 8313

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

83-Bi-205



85

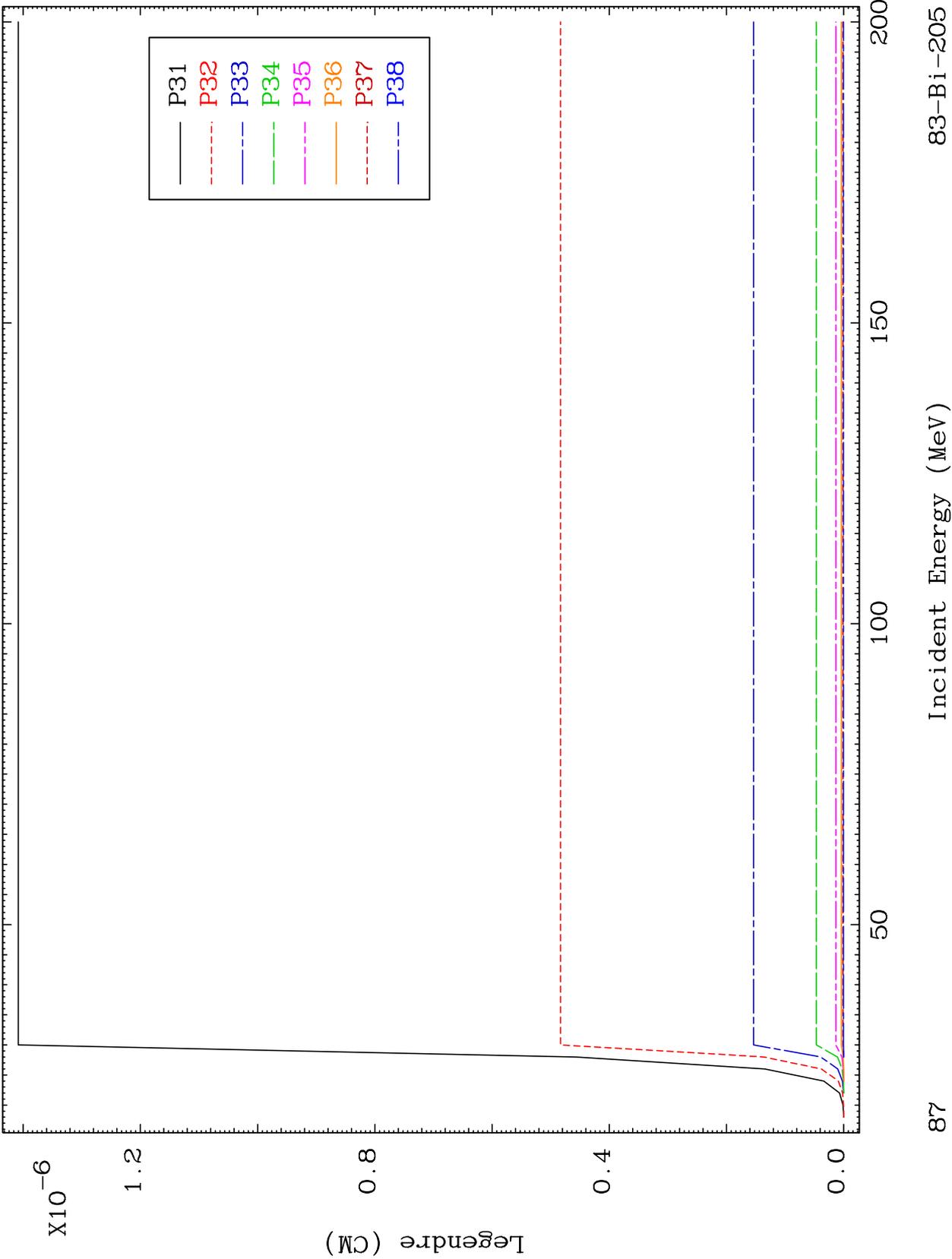
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



87

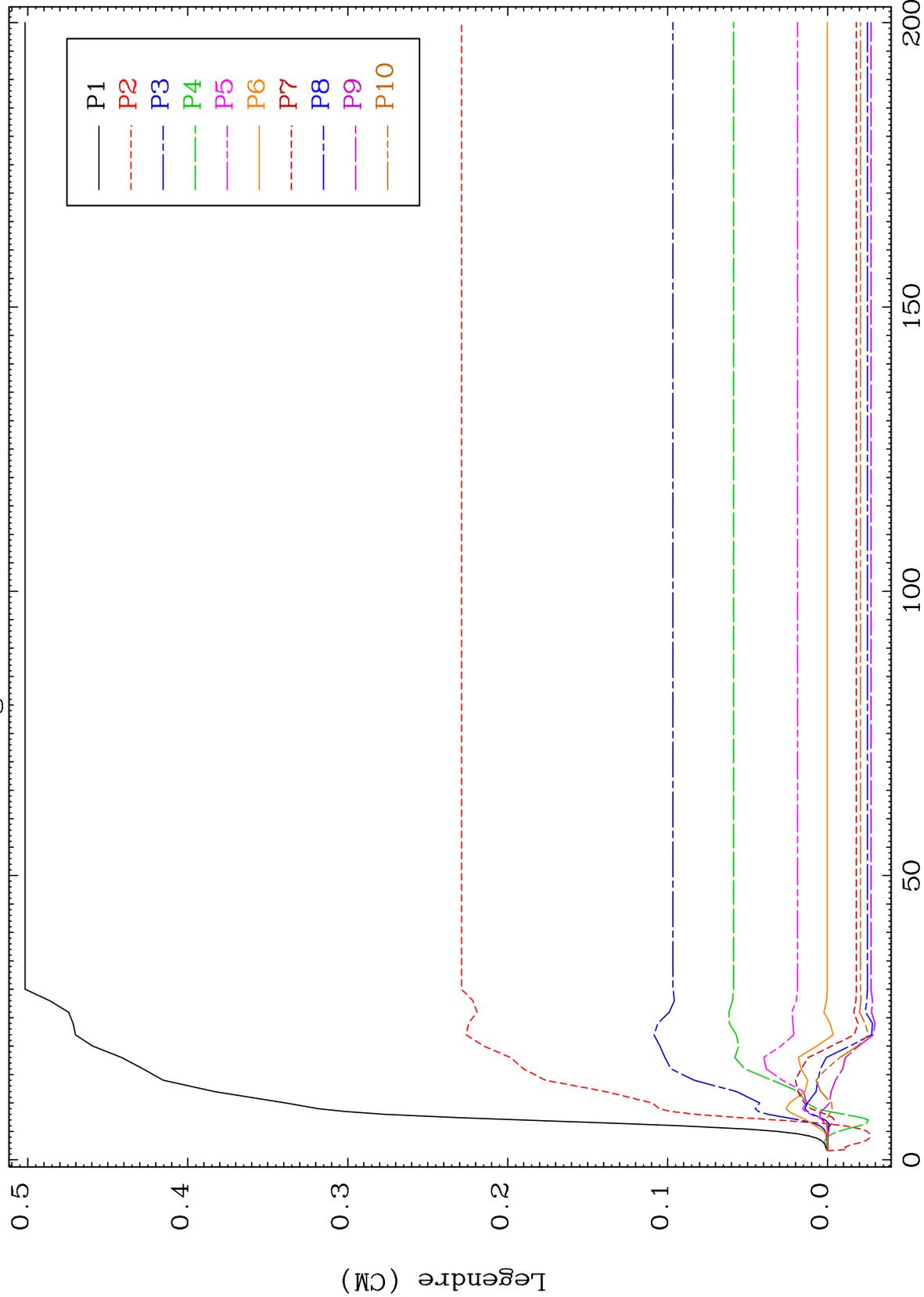
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



88

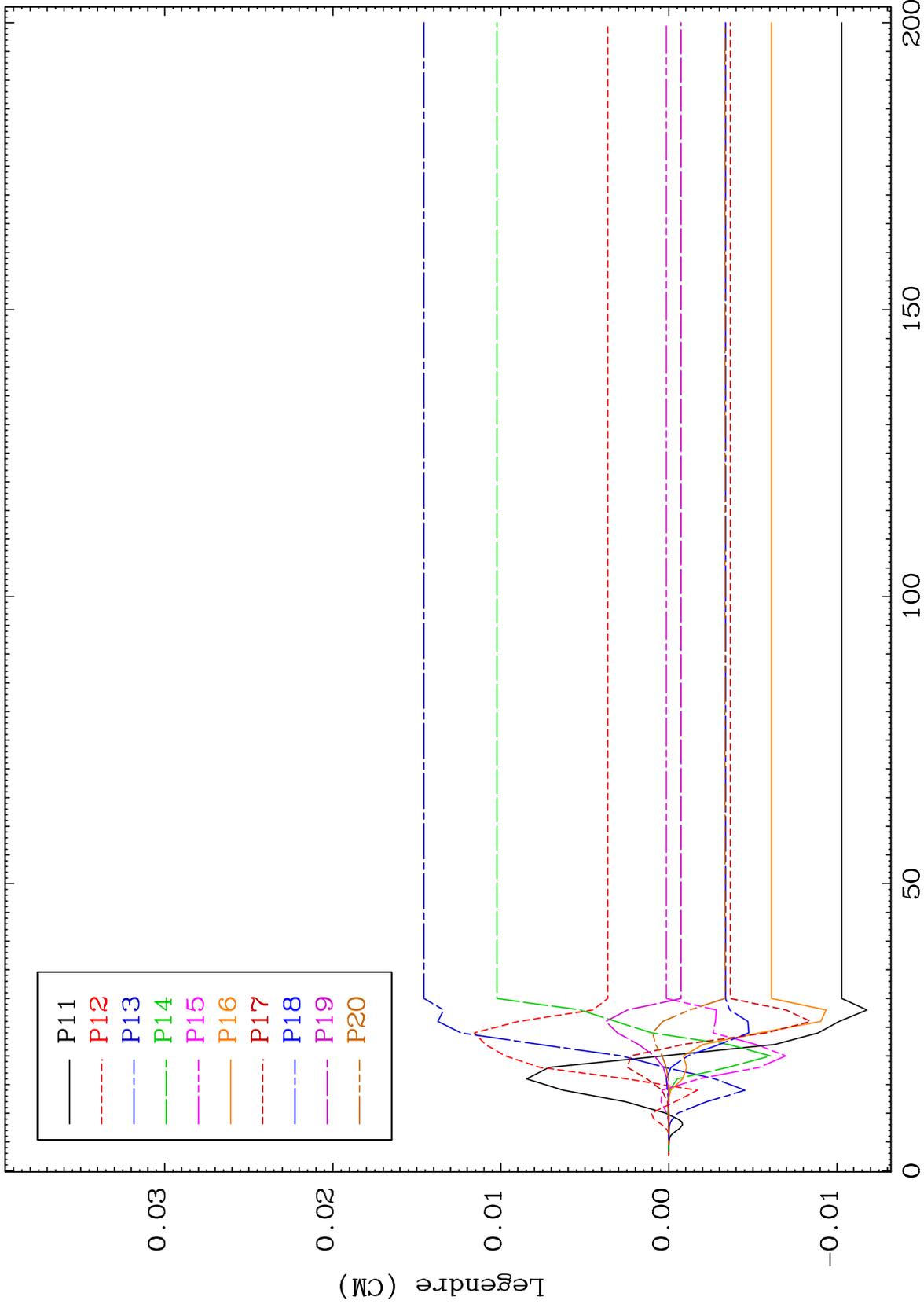
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



89

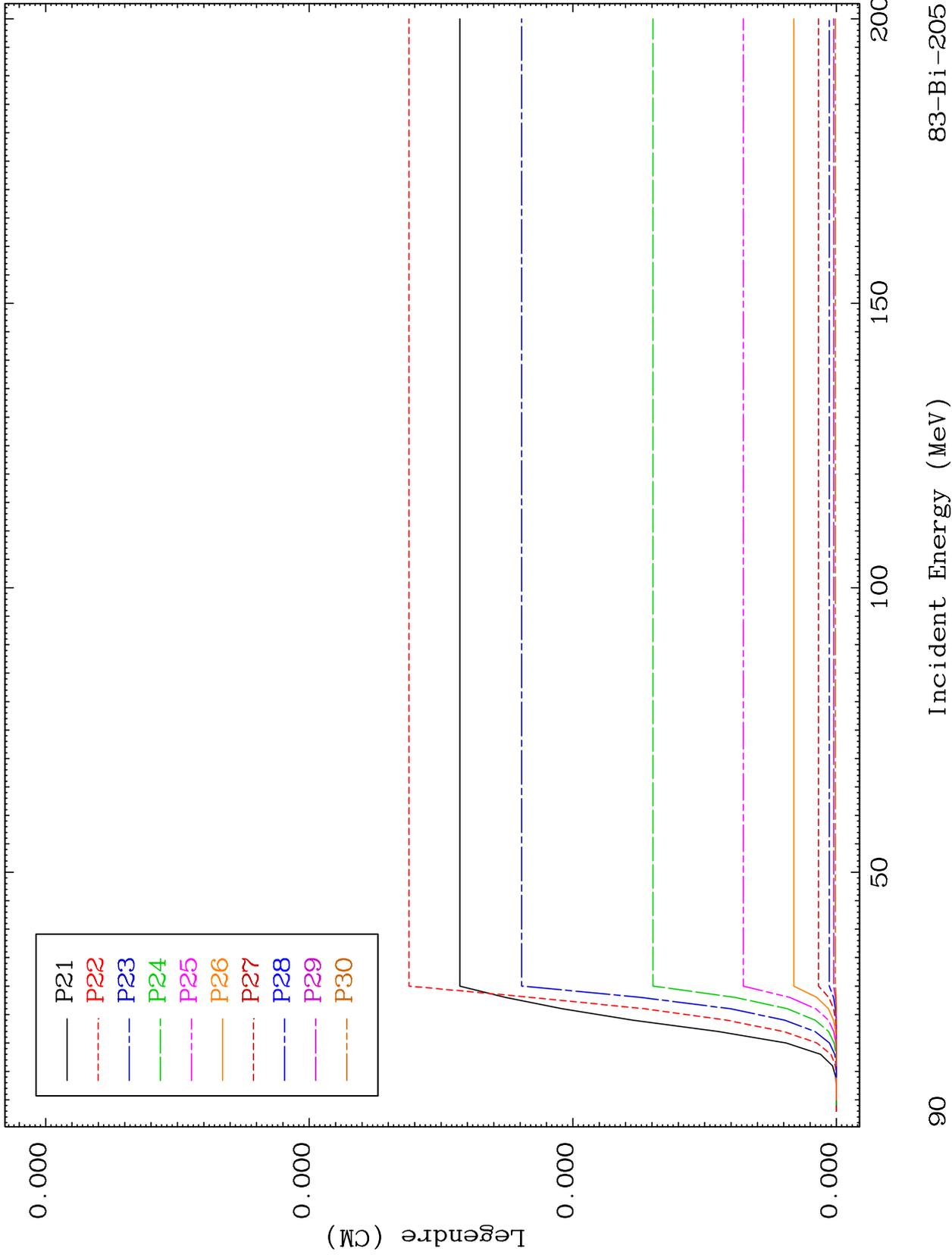
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



83-Bi-205

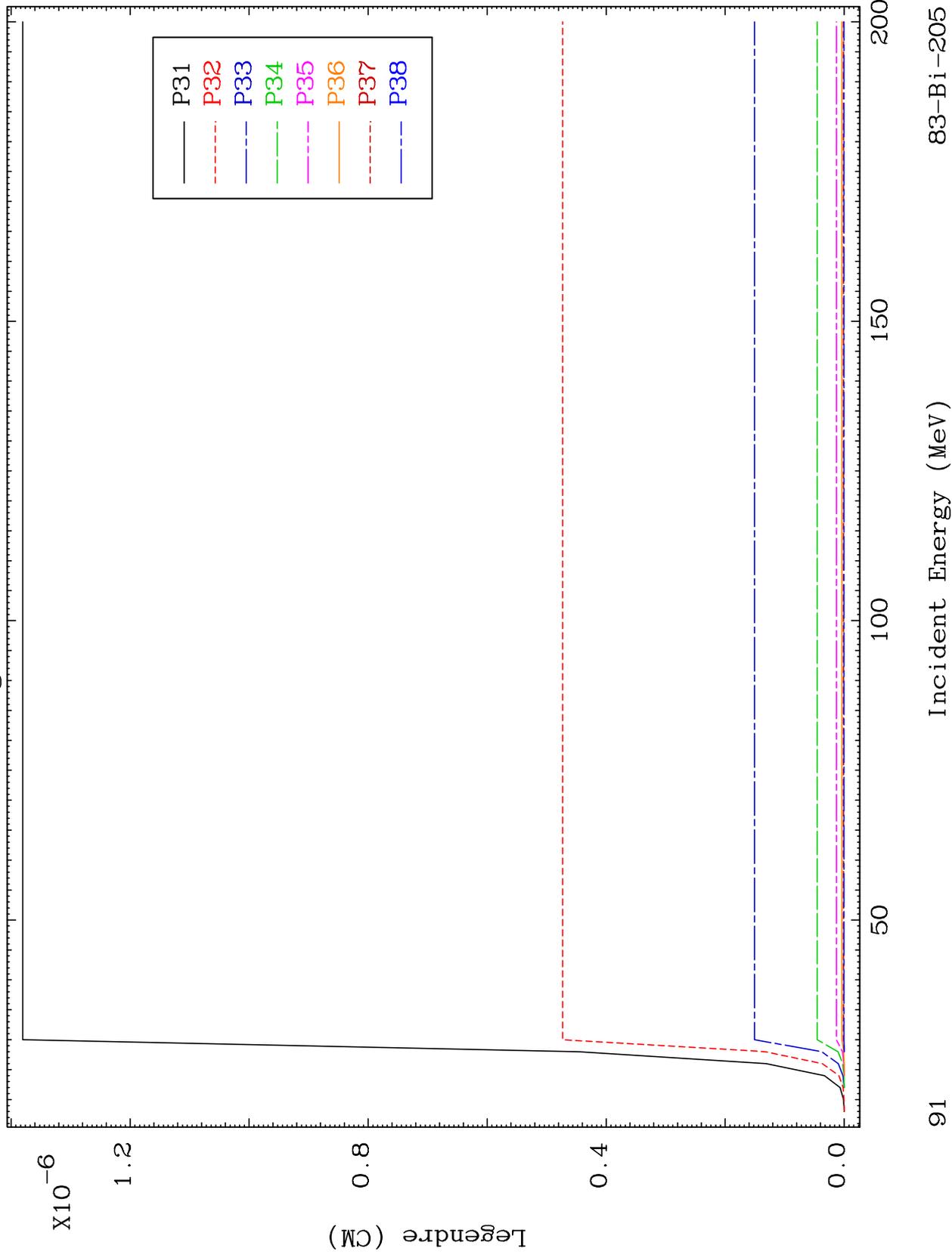
Incident Energy (MeV)

90

MAT 8313

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

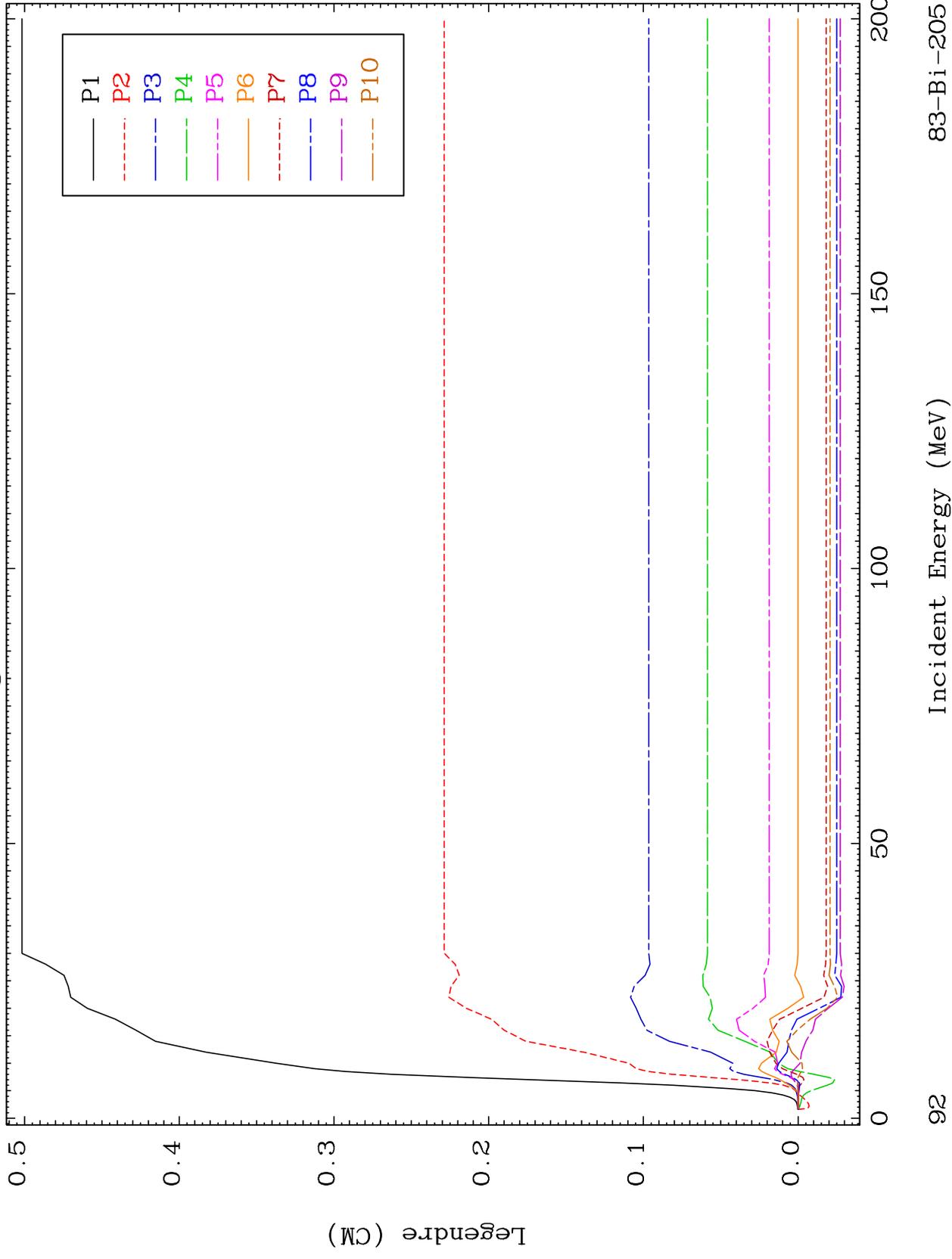
83-Bi-205



MAT 8313

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

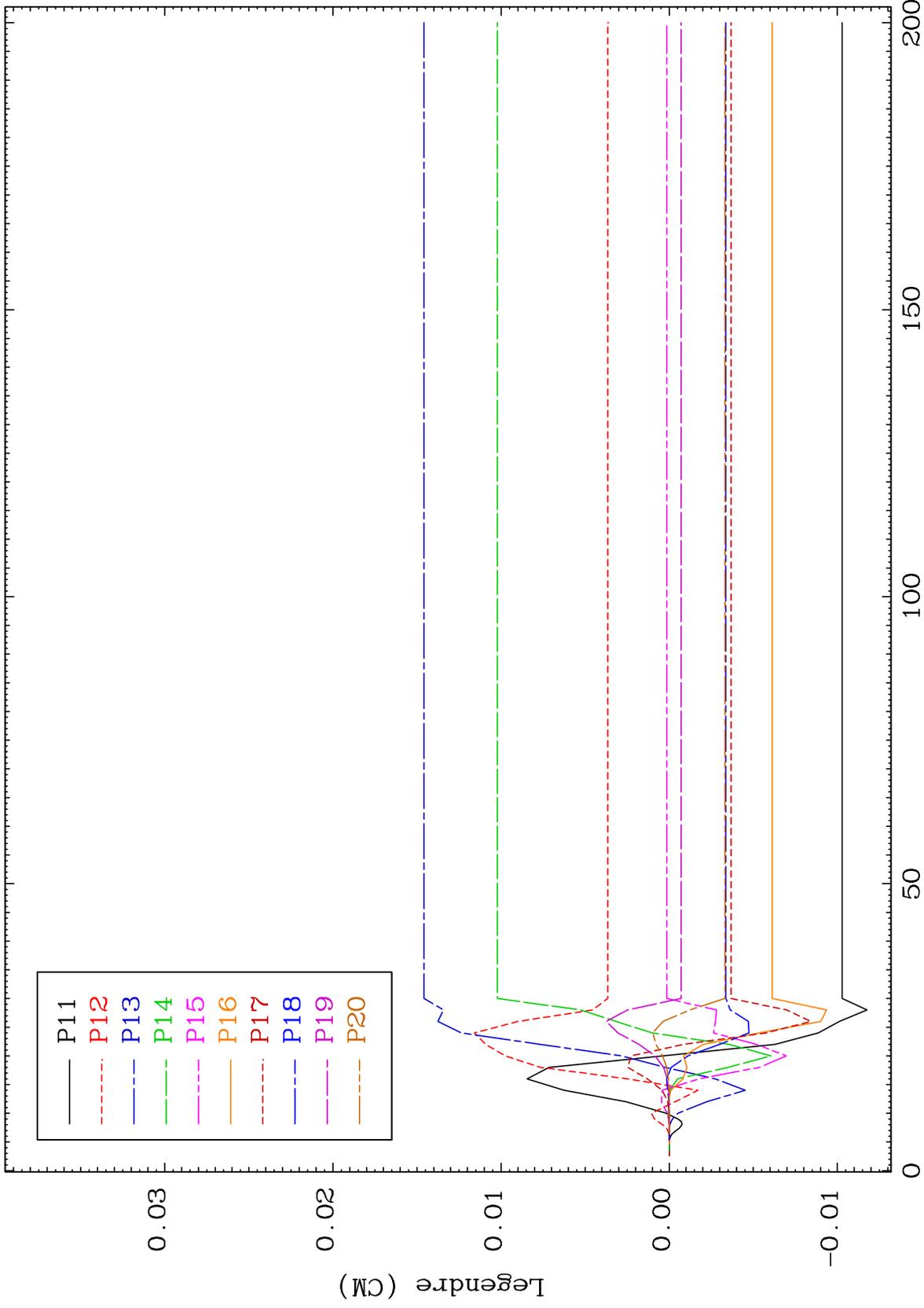
83-Bi-205



MAT 8313

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

83-Bi-205



93

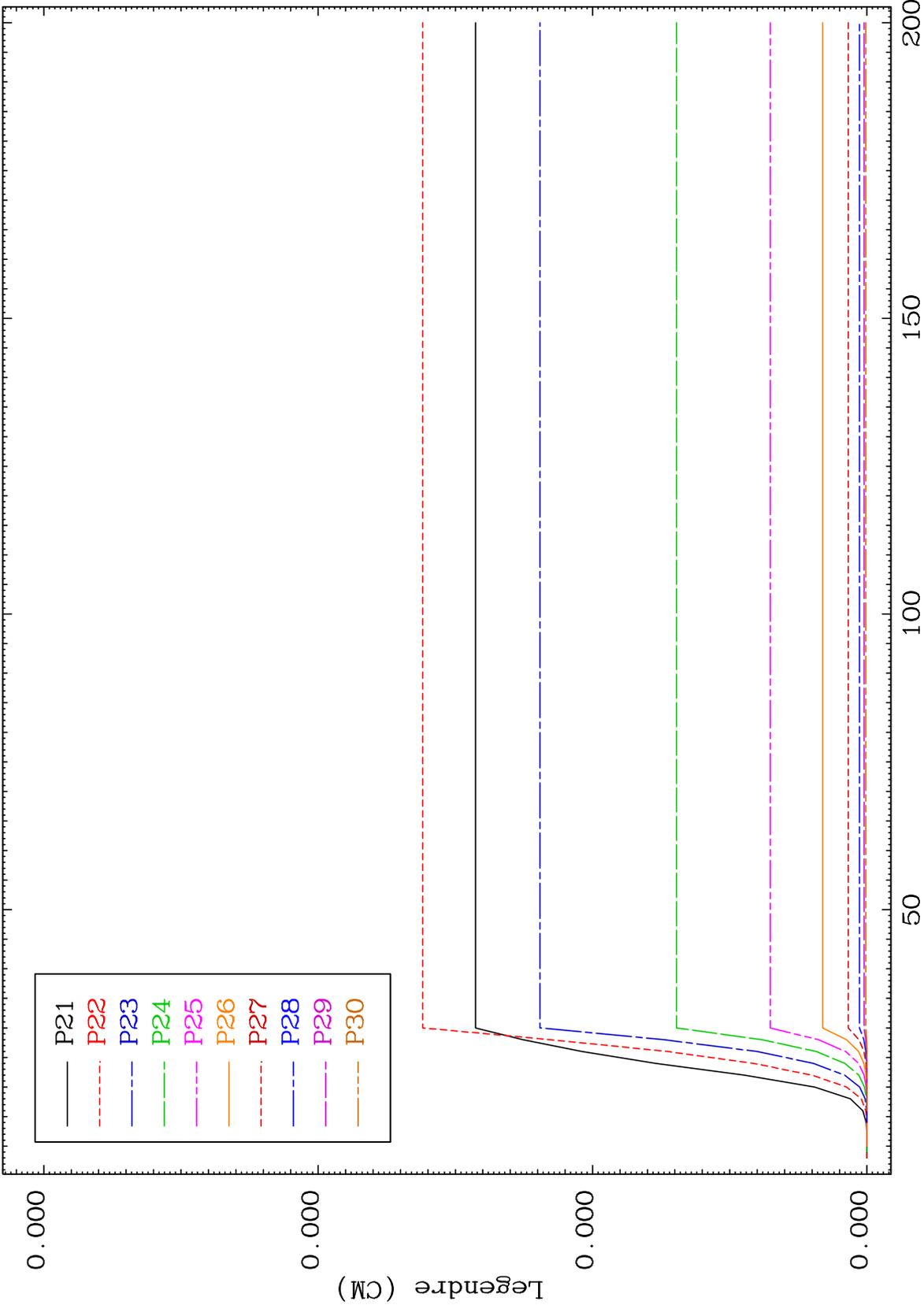
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



94

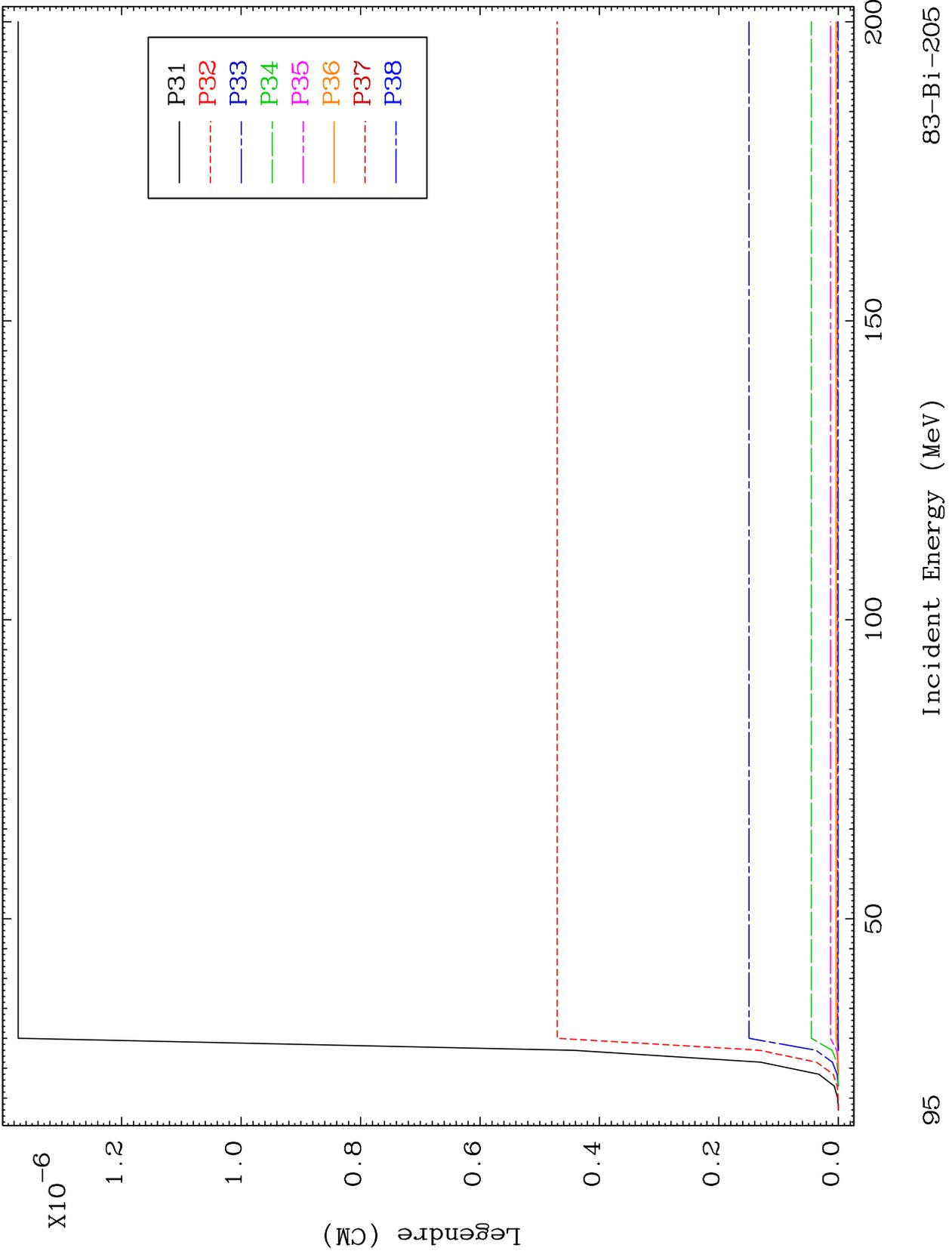
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



95

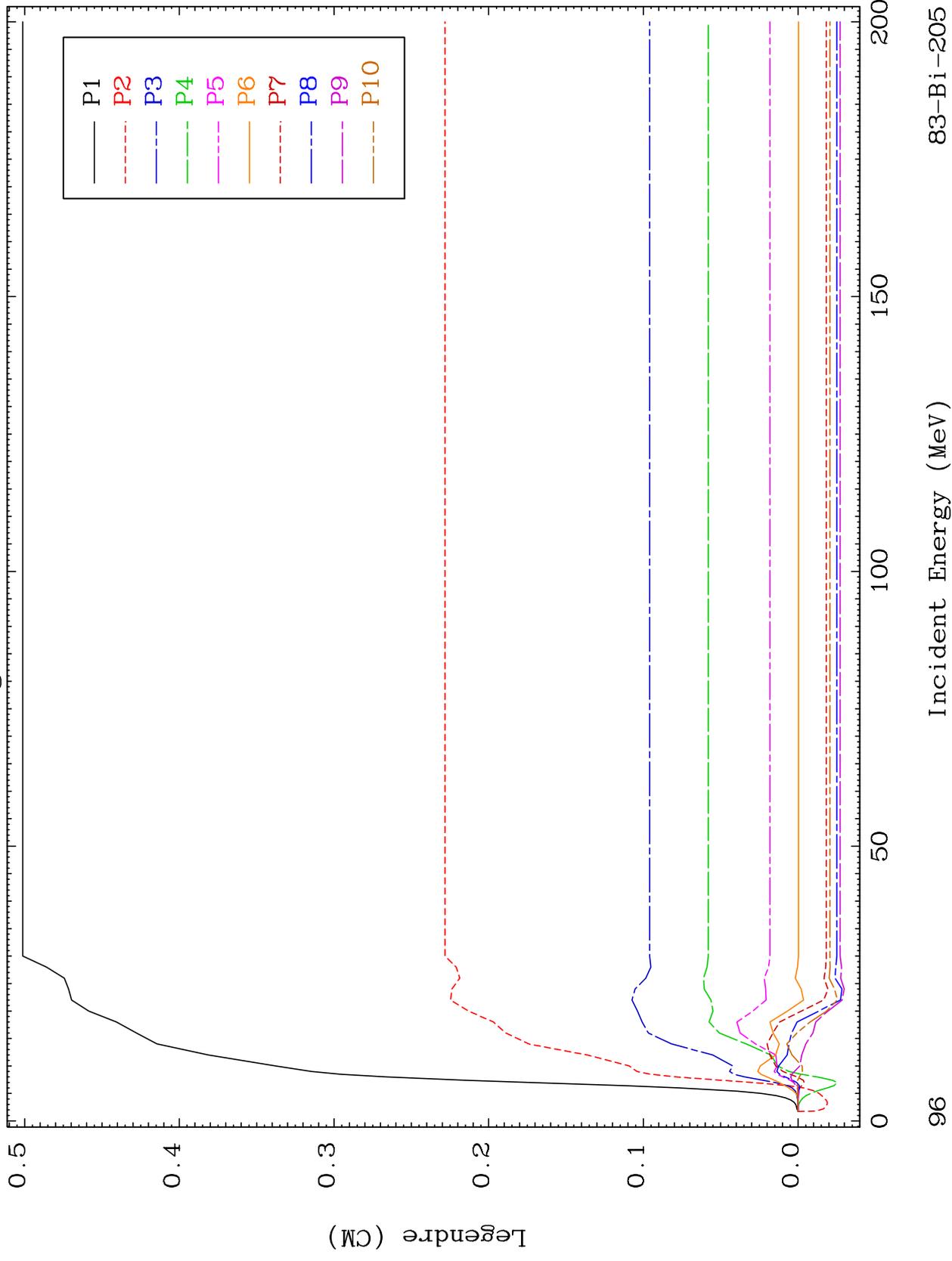
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



83-Bi-205

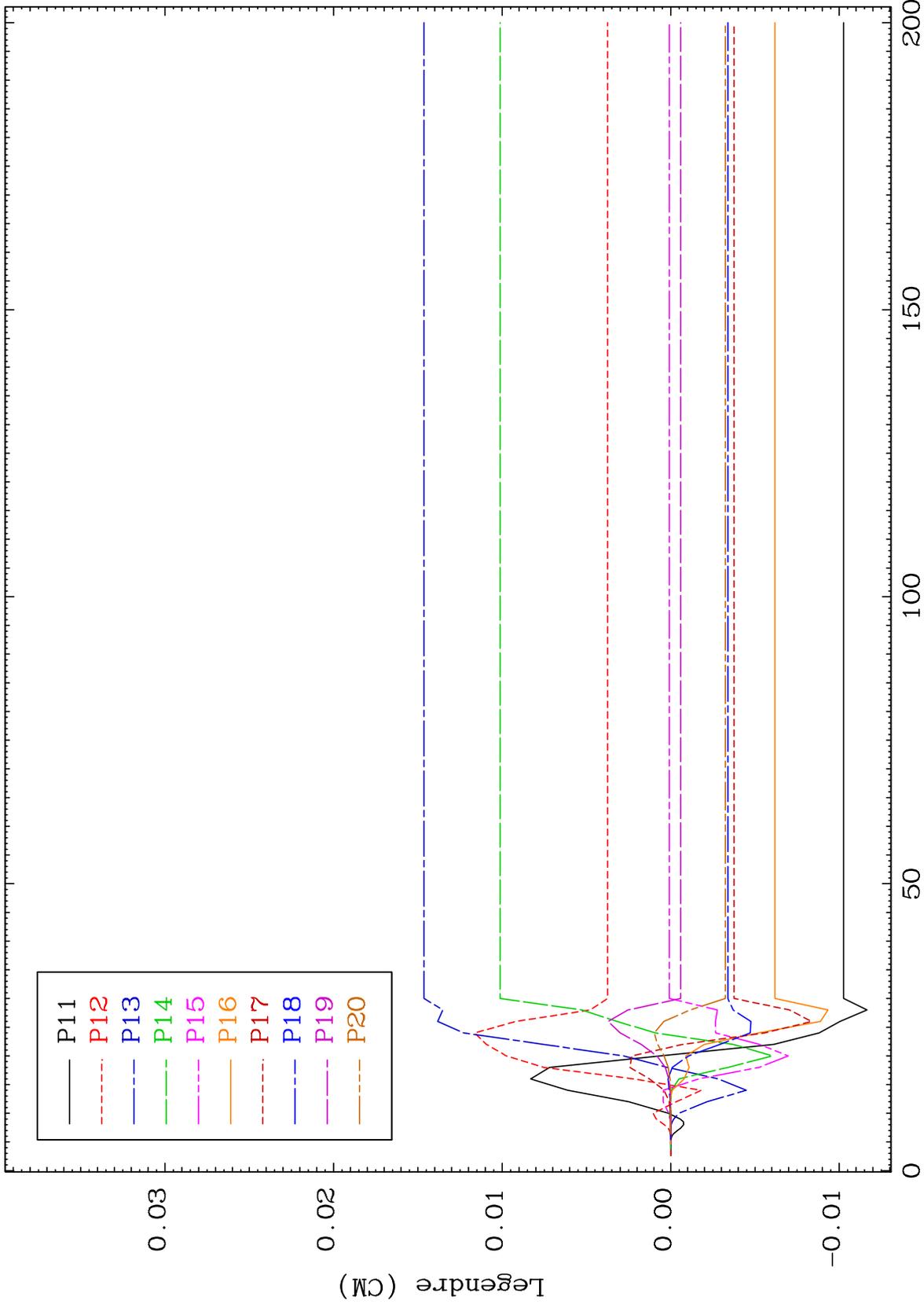
Incident Energy (MeV)

96

MAT 8313

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

83-Bi-205



97

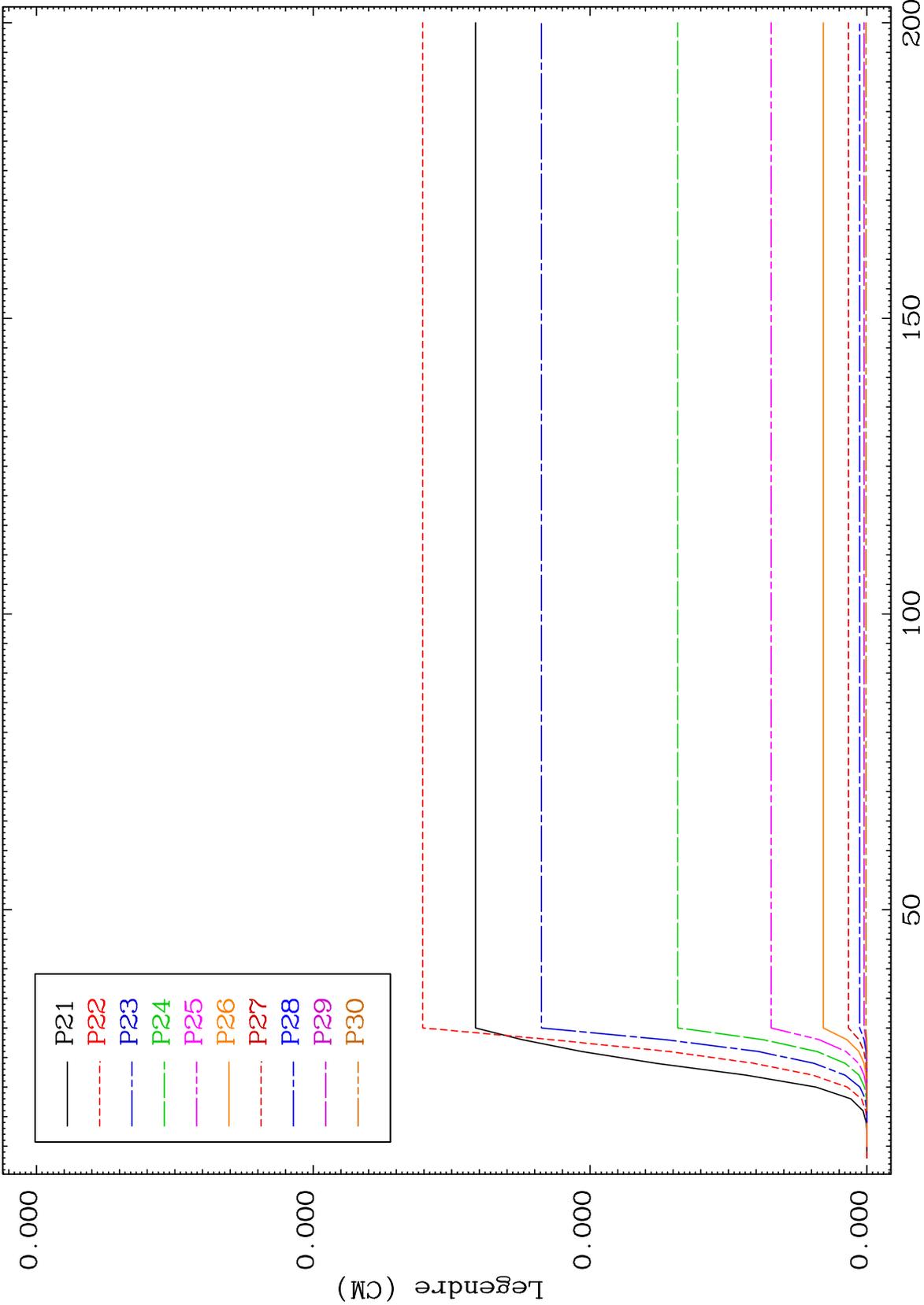
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



98

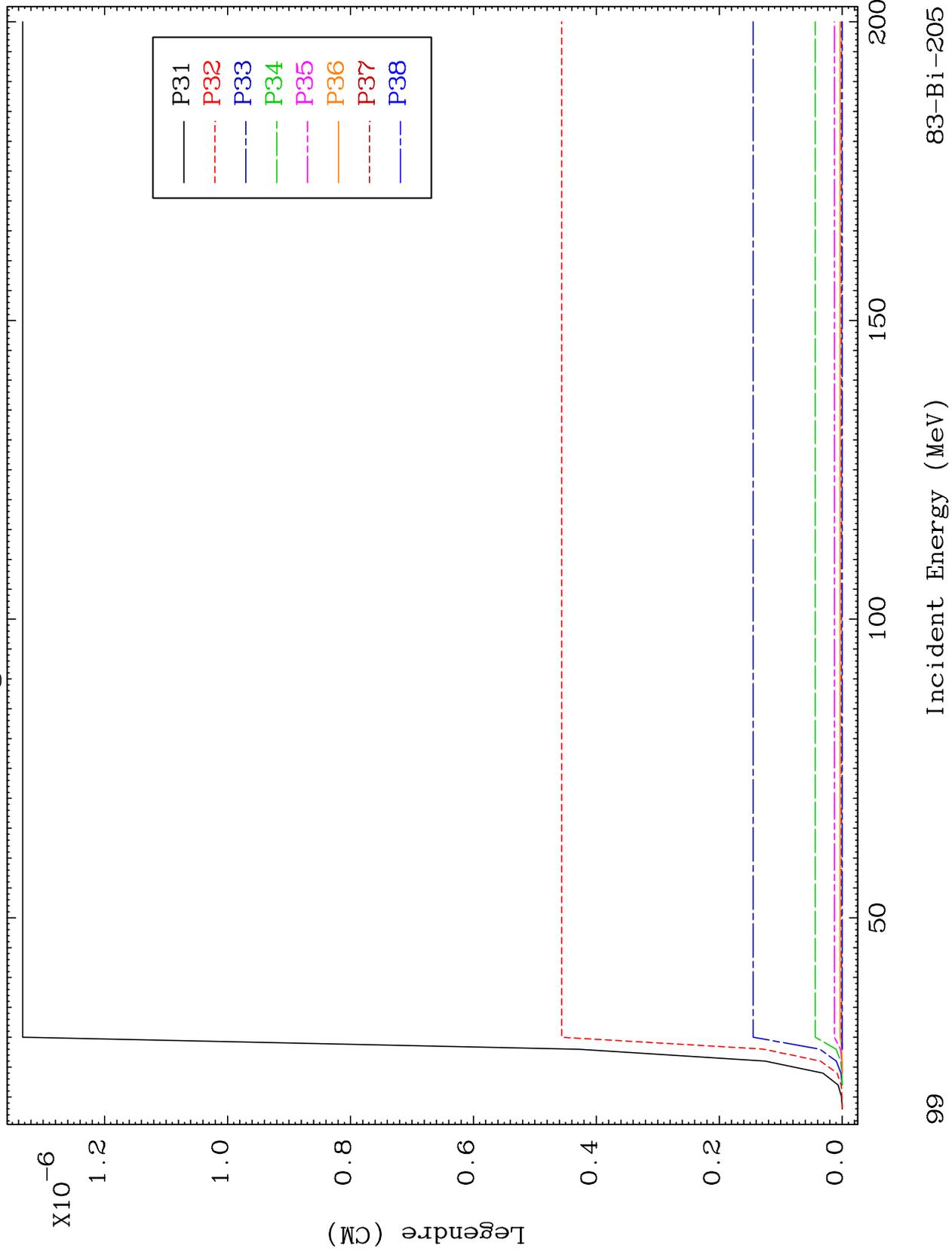
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

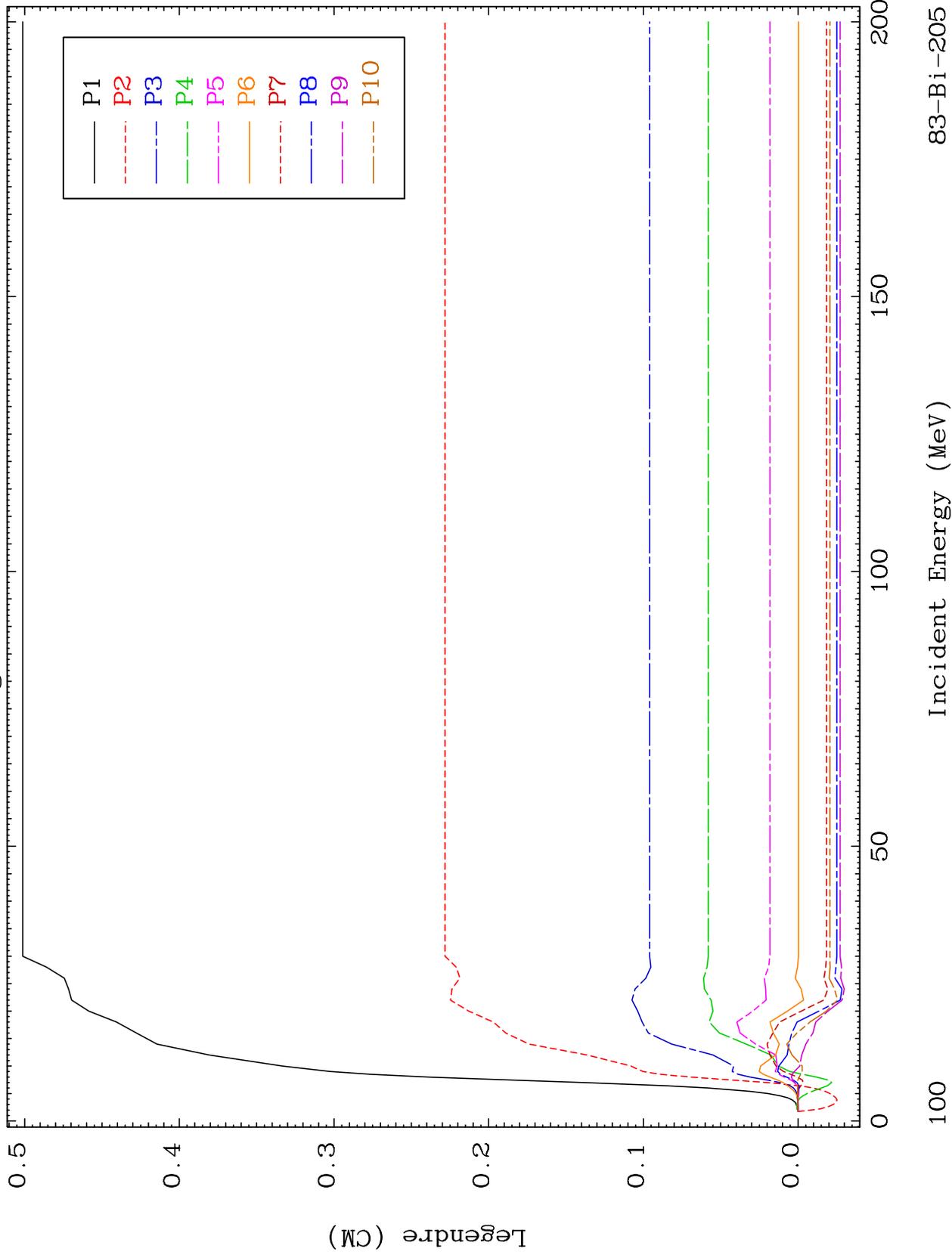
83-Bi-205



MAT 8313

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

83-Bi-205

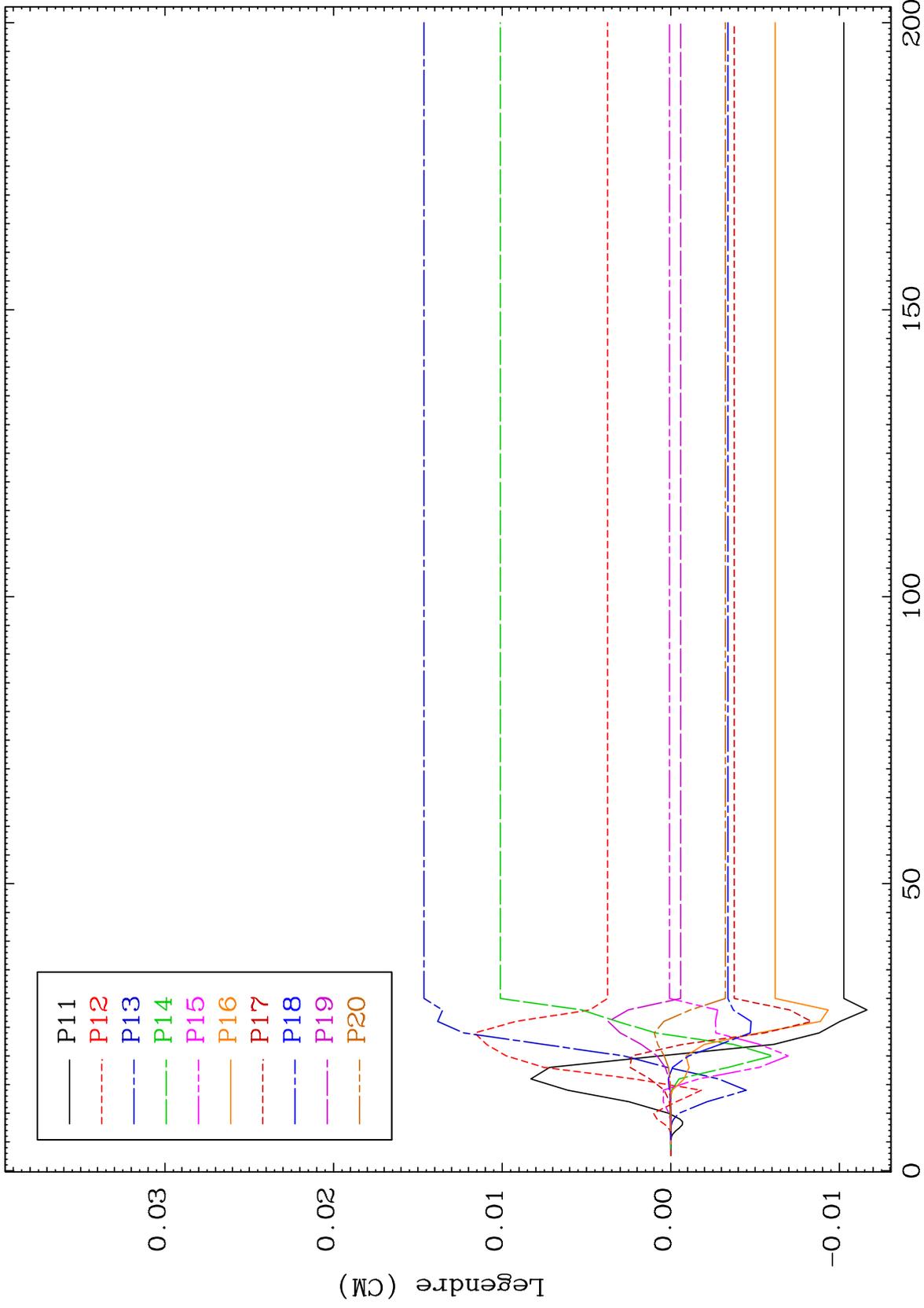


83-Bi-205

MAT 8313

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

83-Bi-205



101

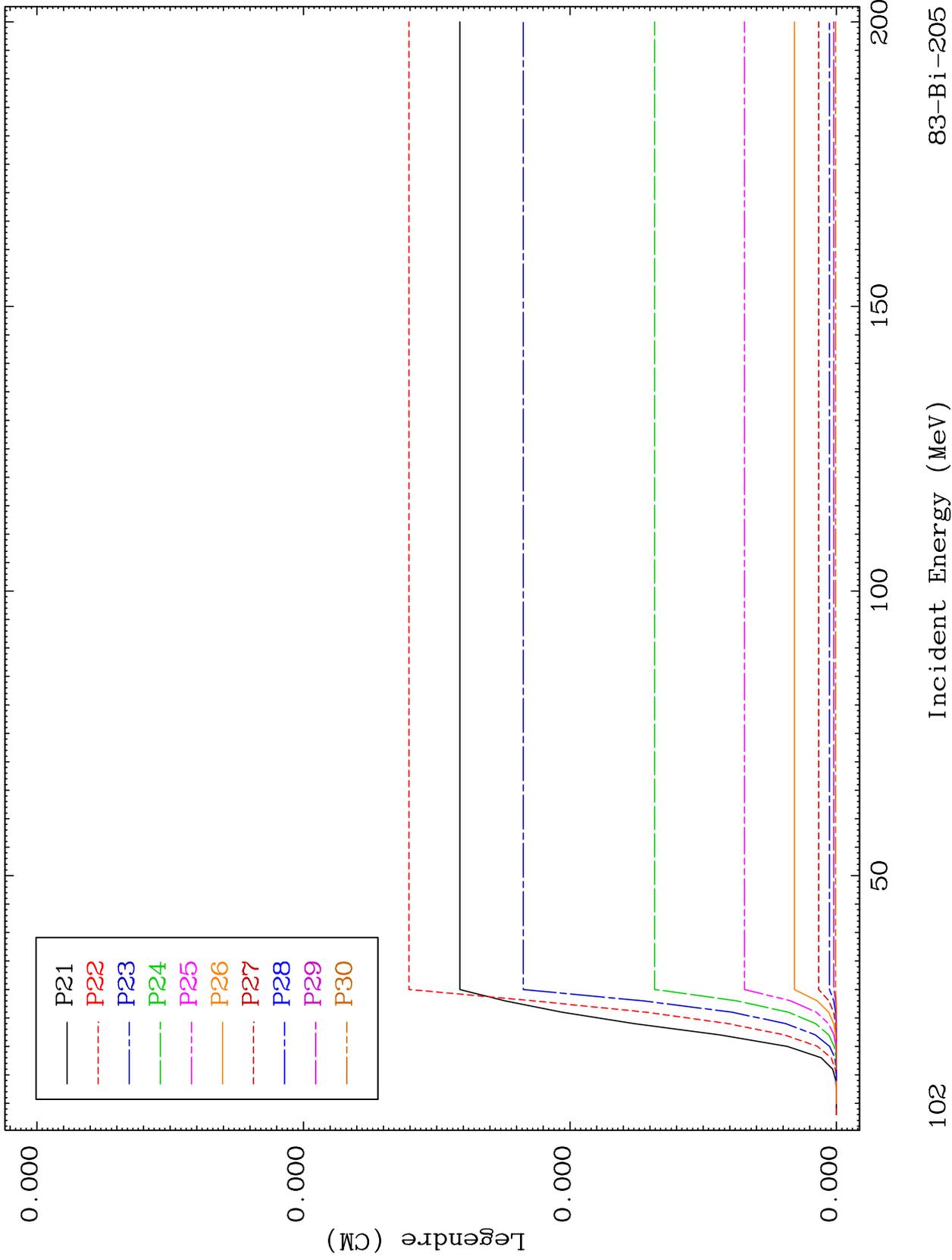
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

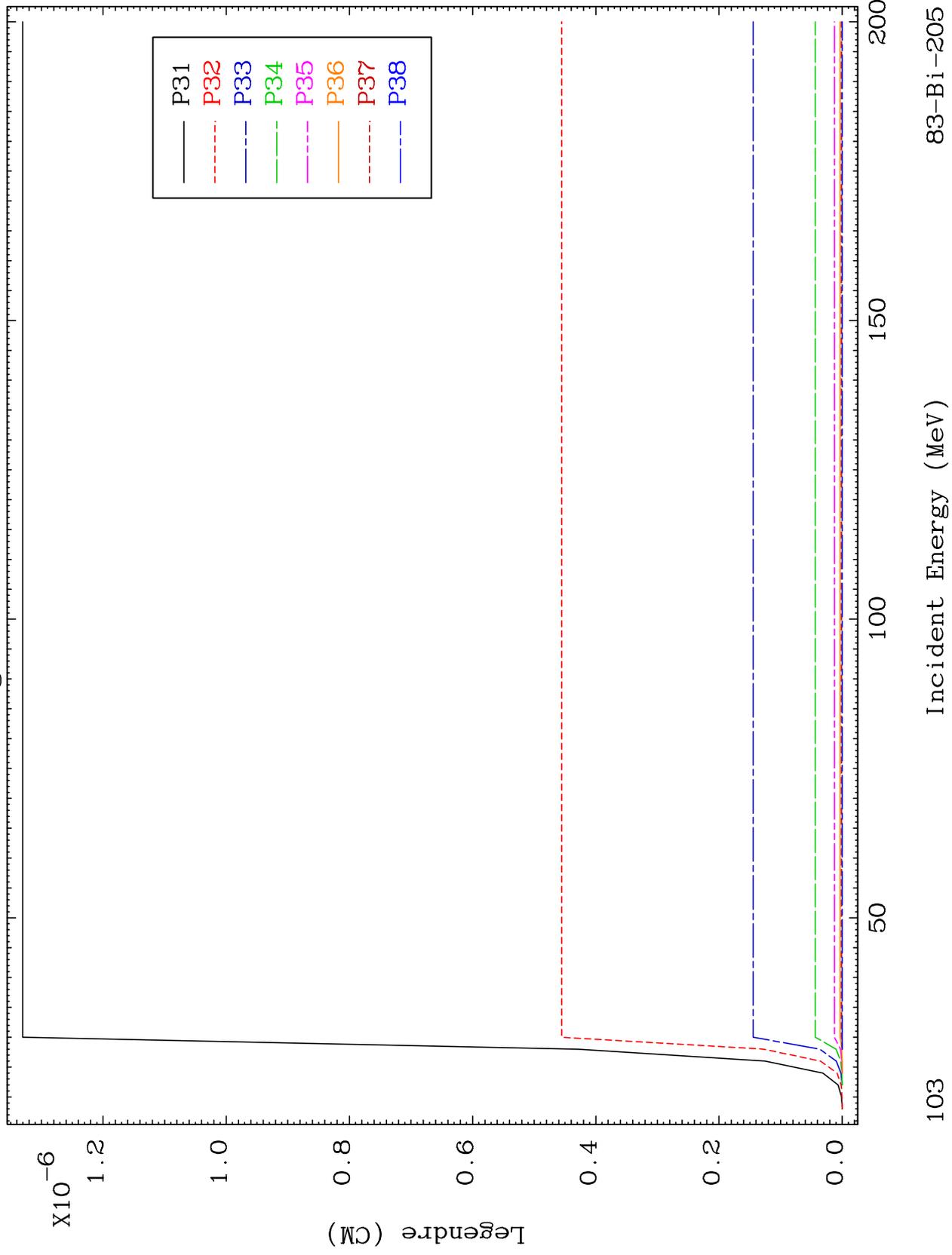
83-Bi-205



MAT 8313

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

83-Bi-205



103

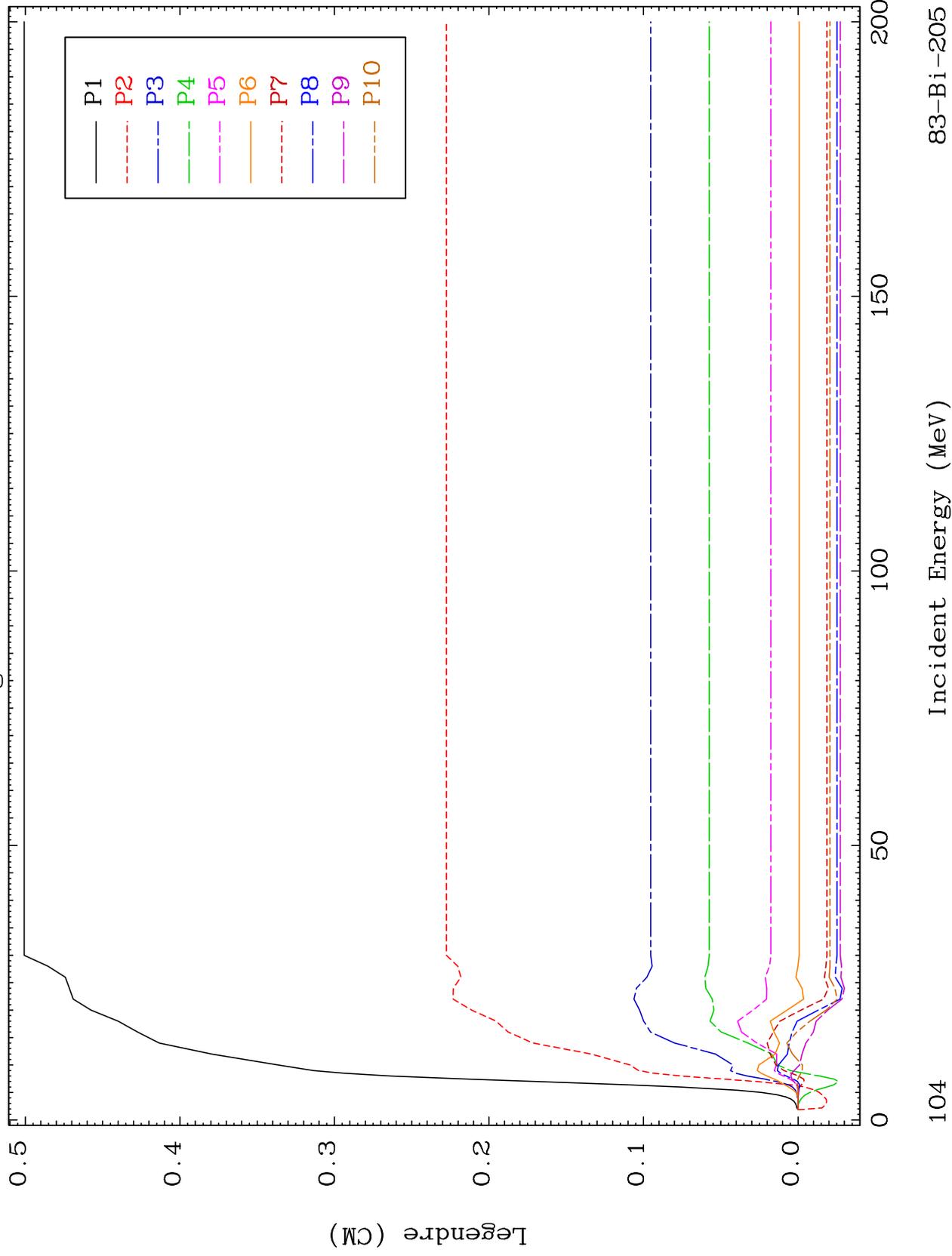
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



83-Bi-205

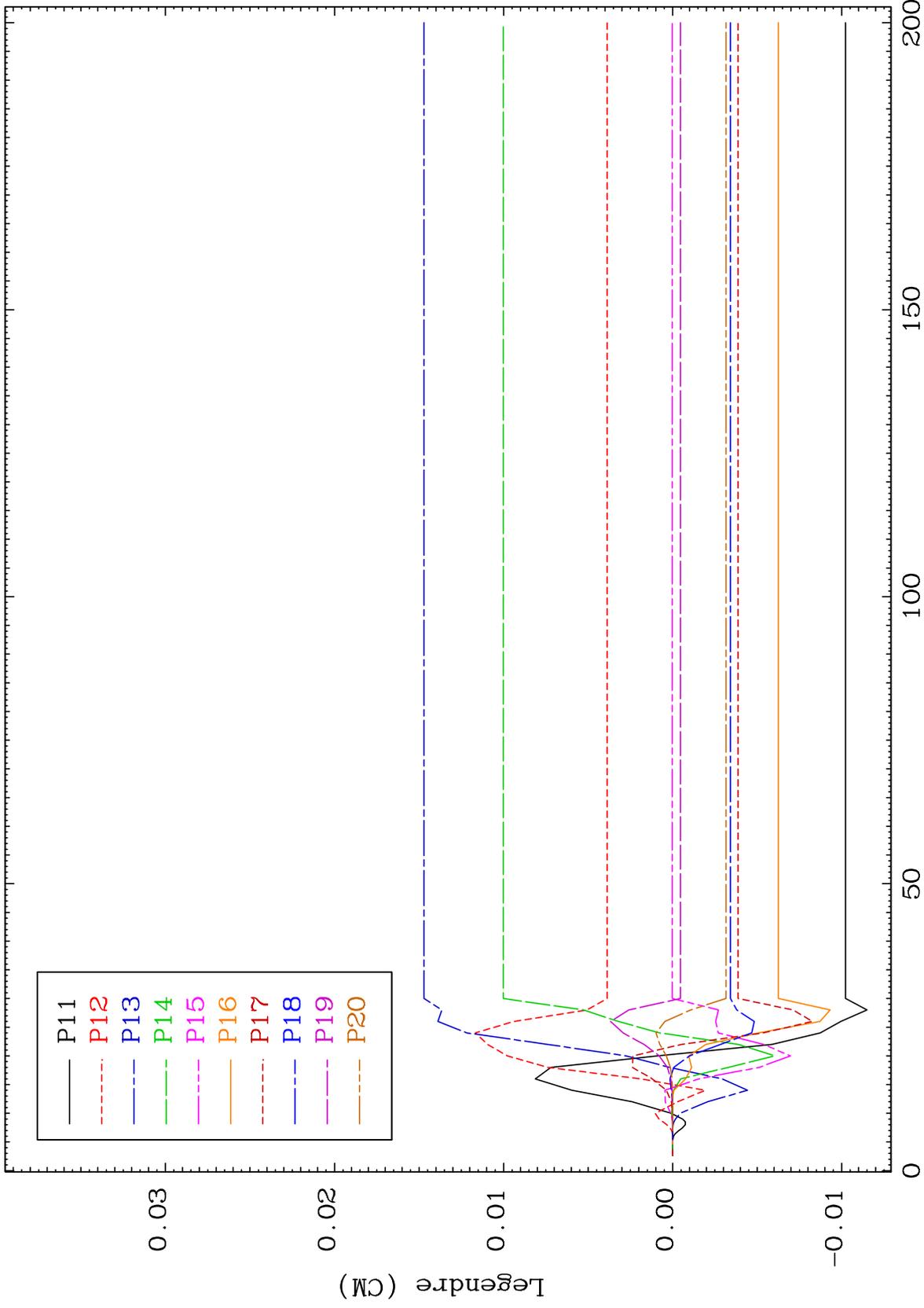
Incident Energy (MeV)

104

MAT 8313

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

83-Bi-205



105

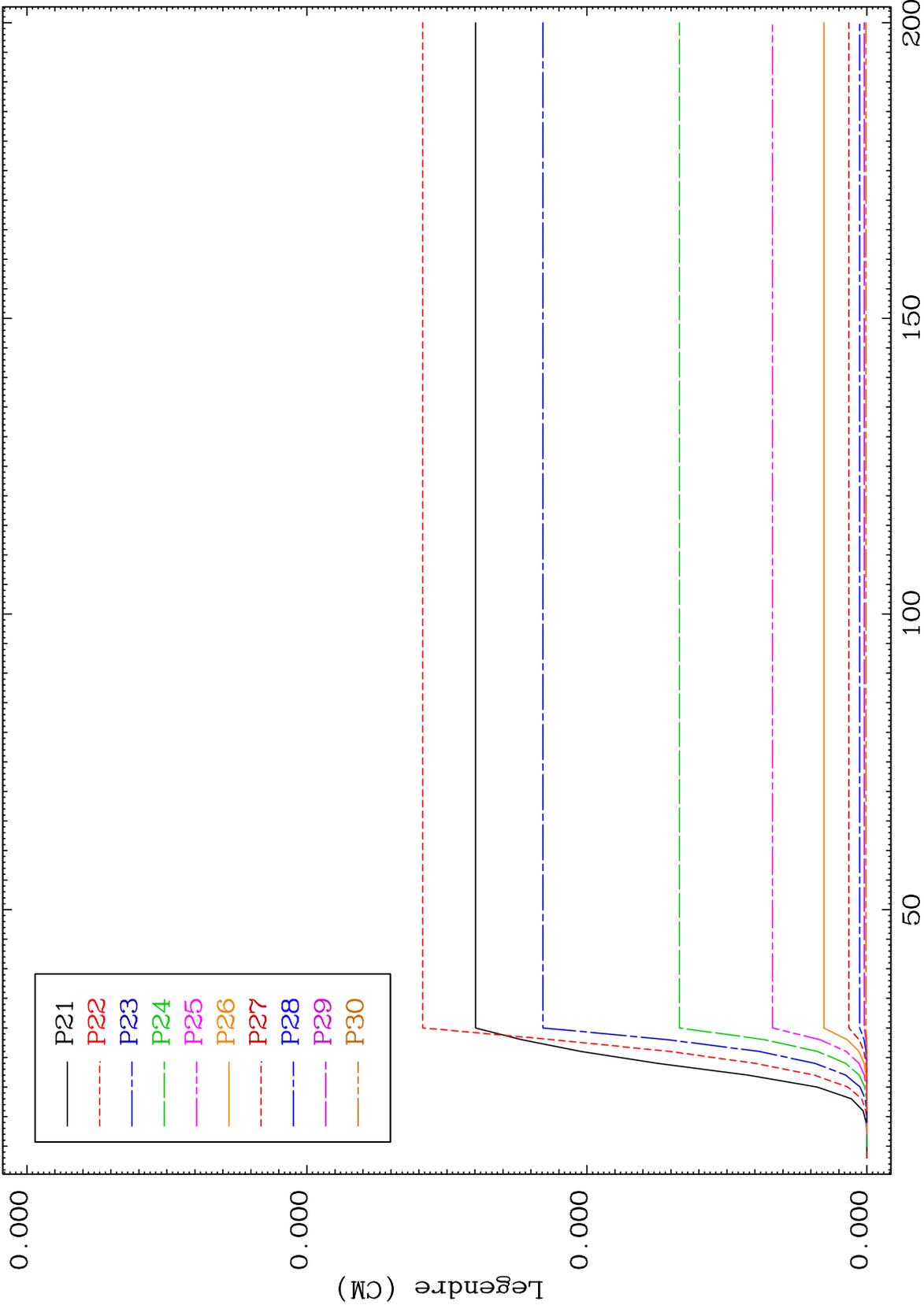
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



106

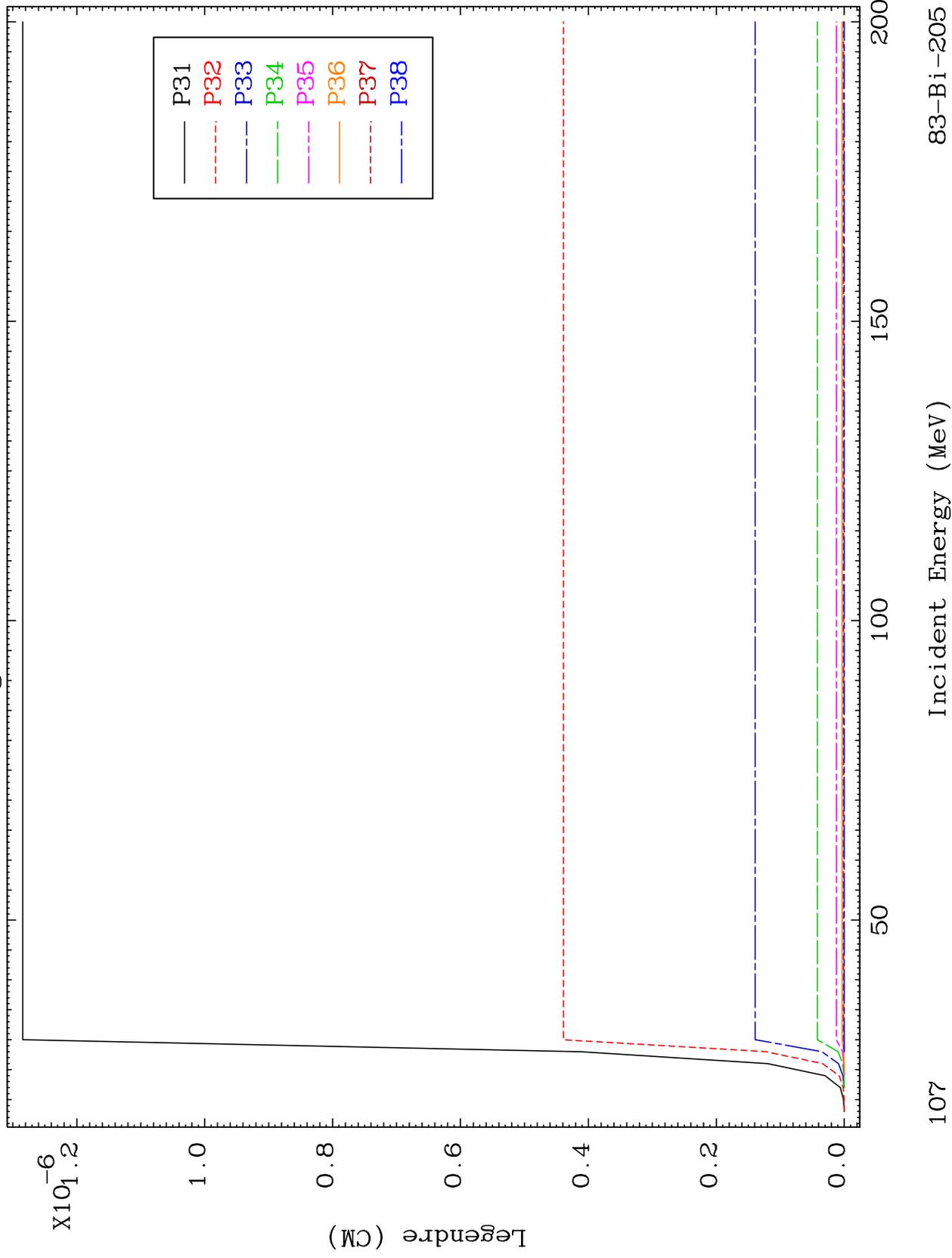
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205

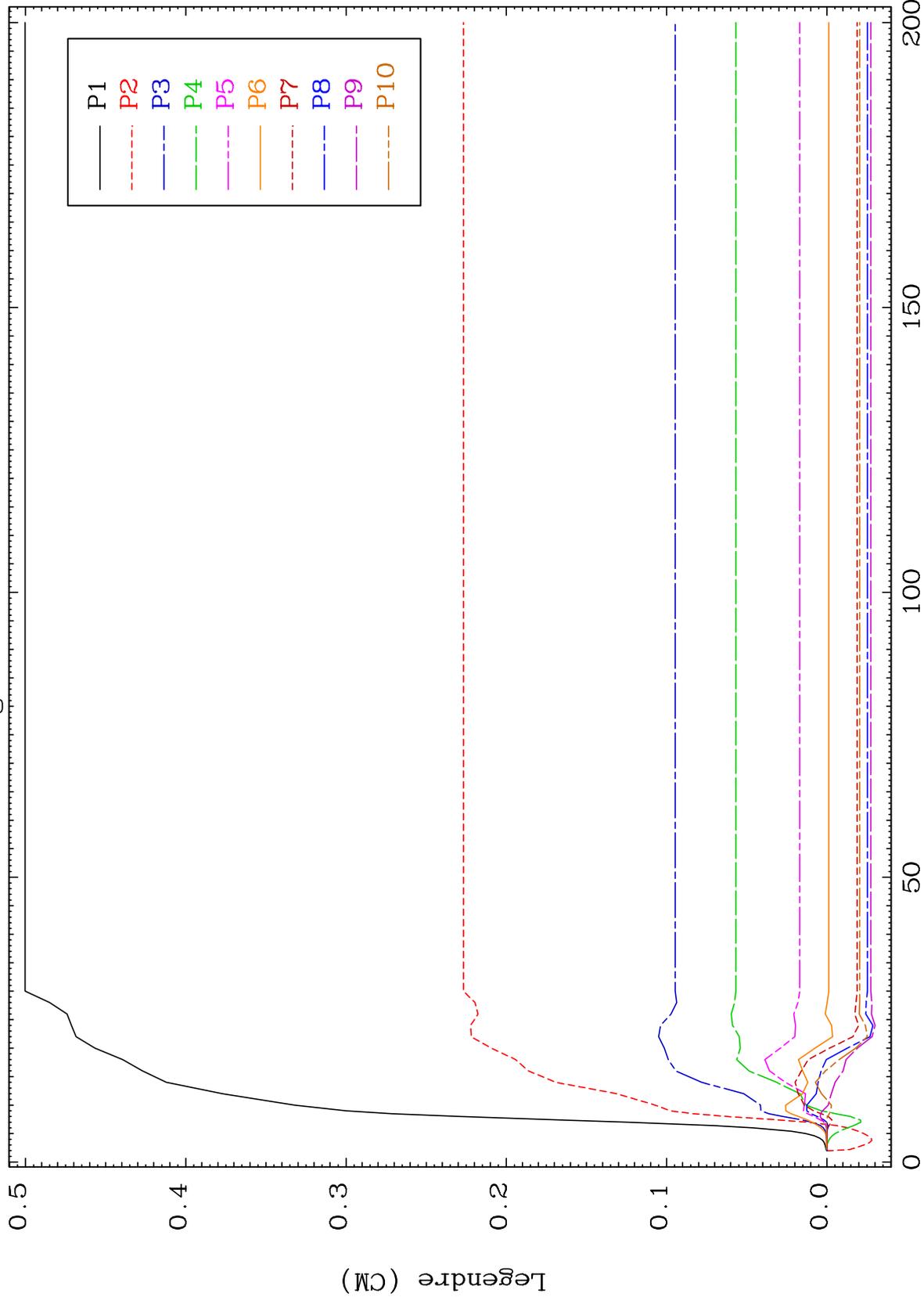


107

MAT 8313

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

83-Bi-205



83-Bi-205

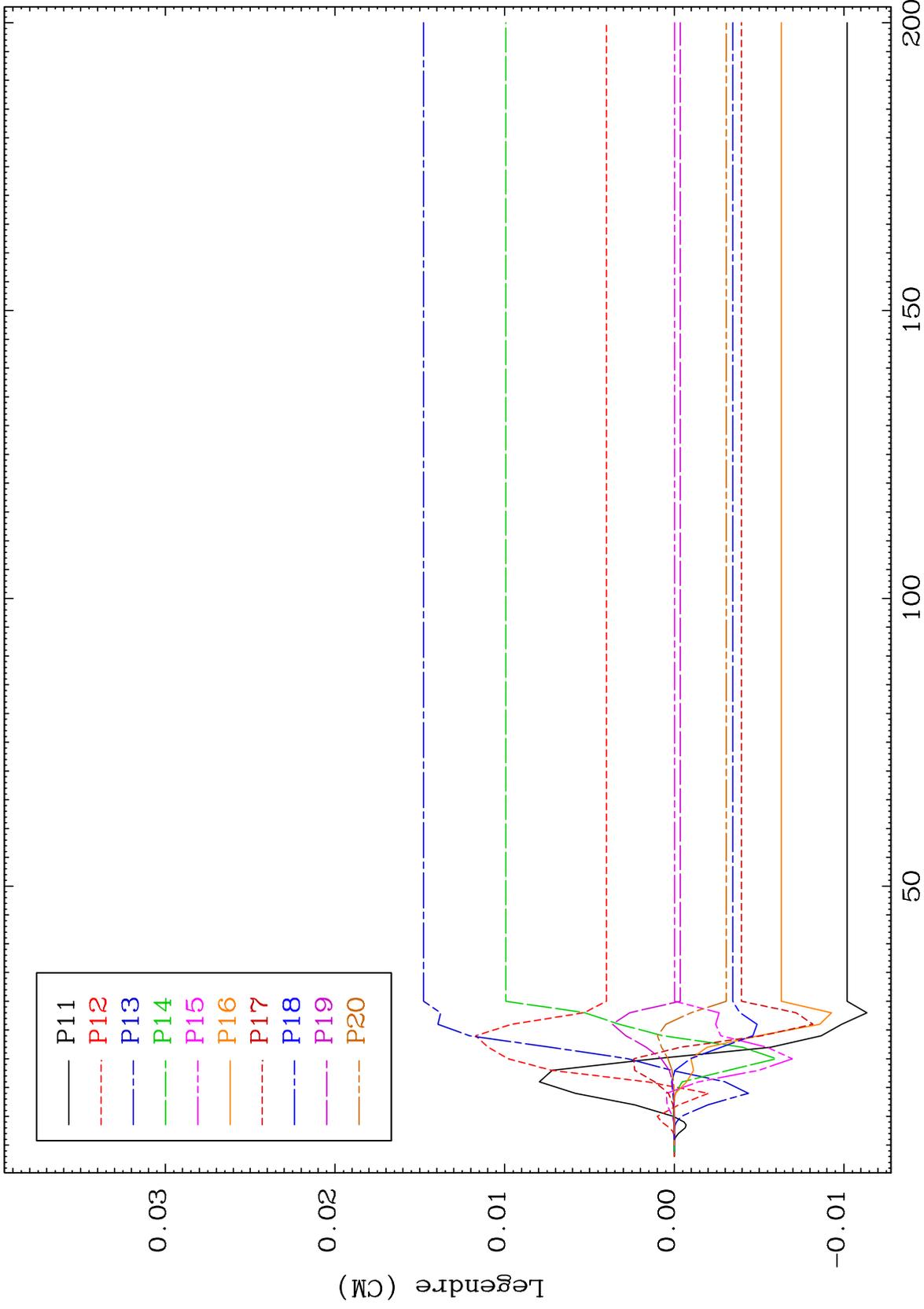
Incident Energy (MeV)

108

MAT 8313

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

83-Bi-205



109

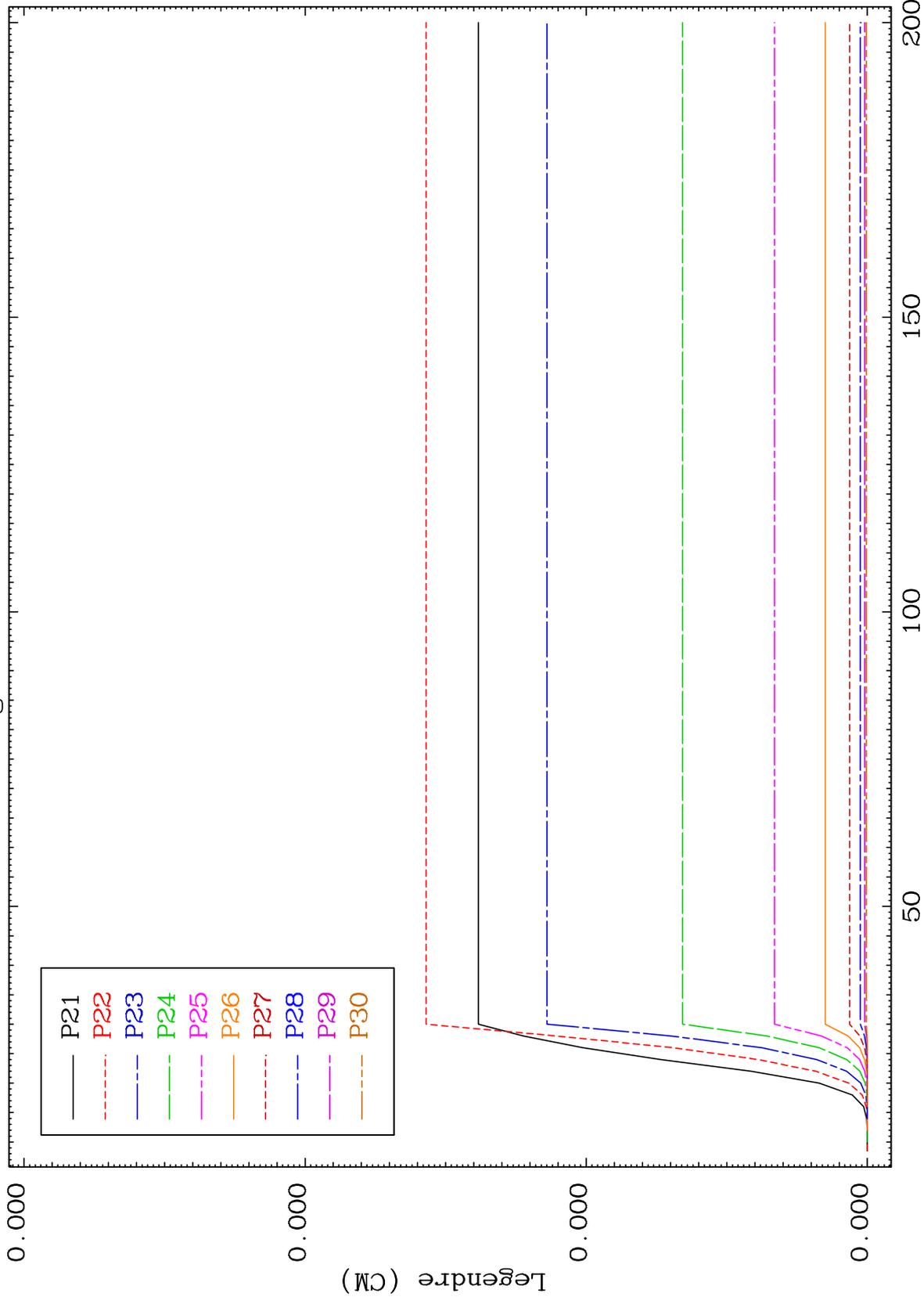
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



110

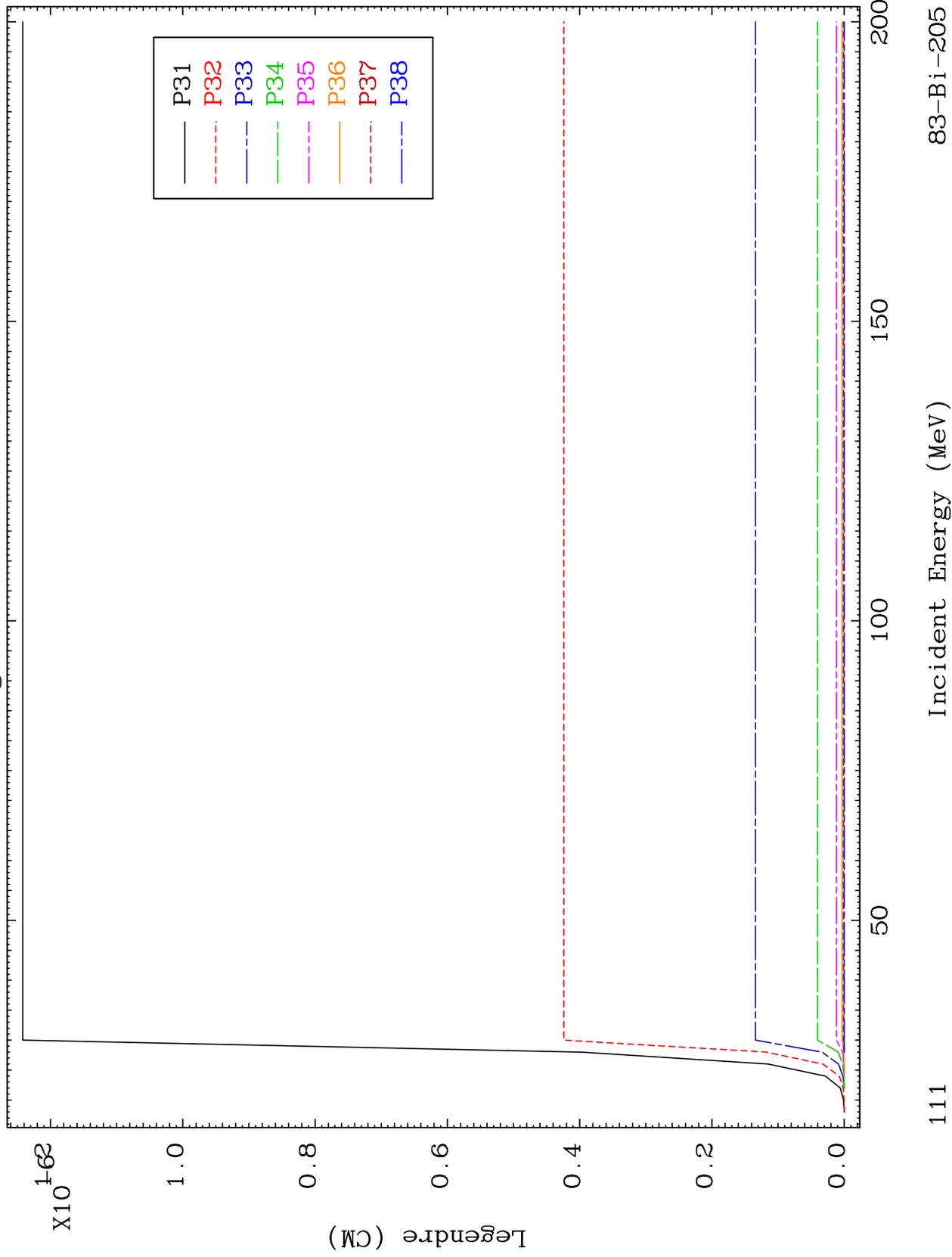
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

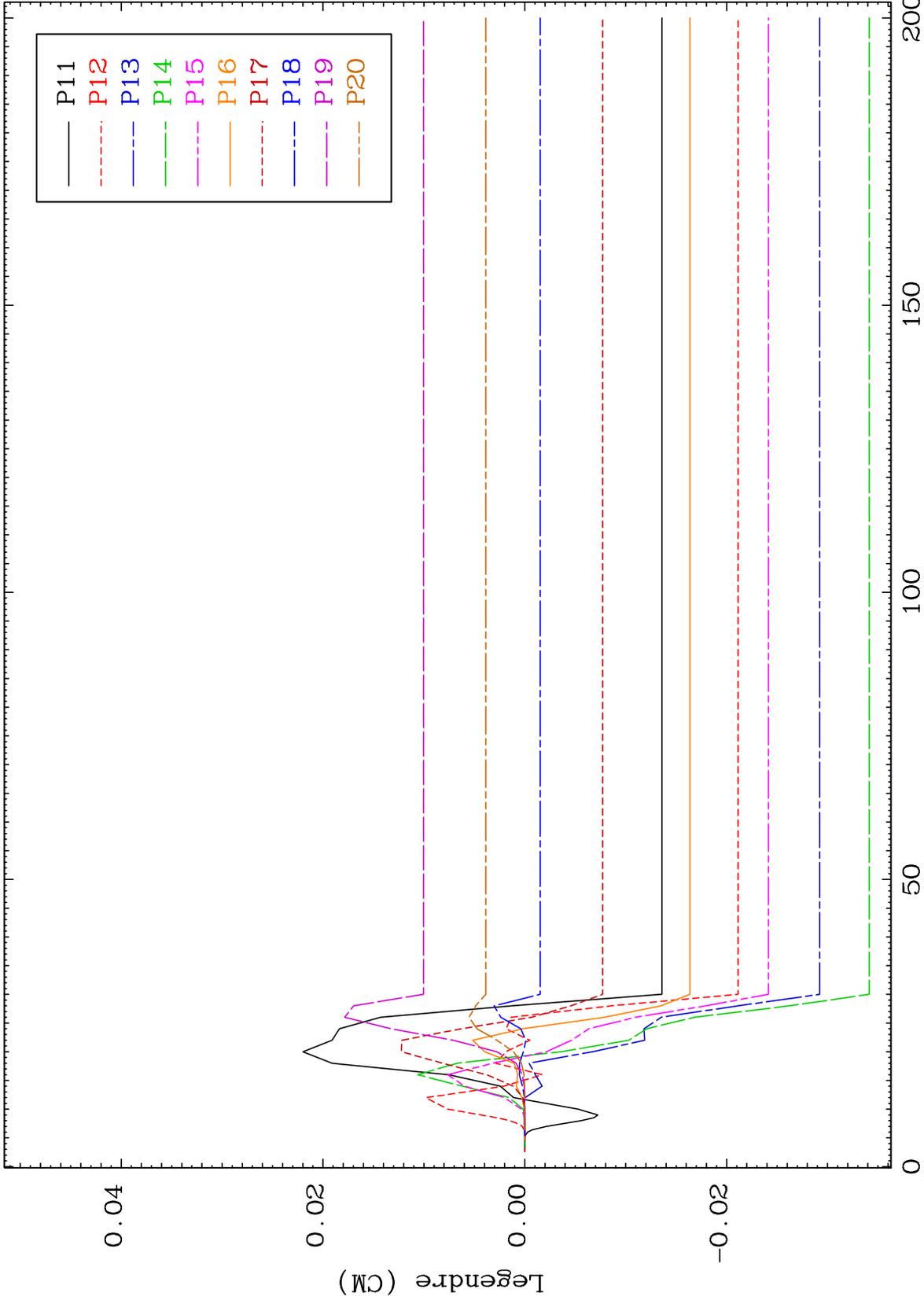
83-Bi-205



MAT 8313

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

83-Bi-205



113

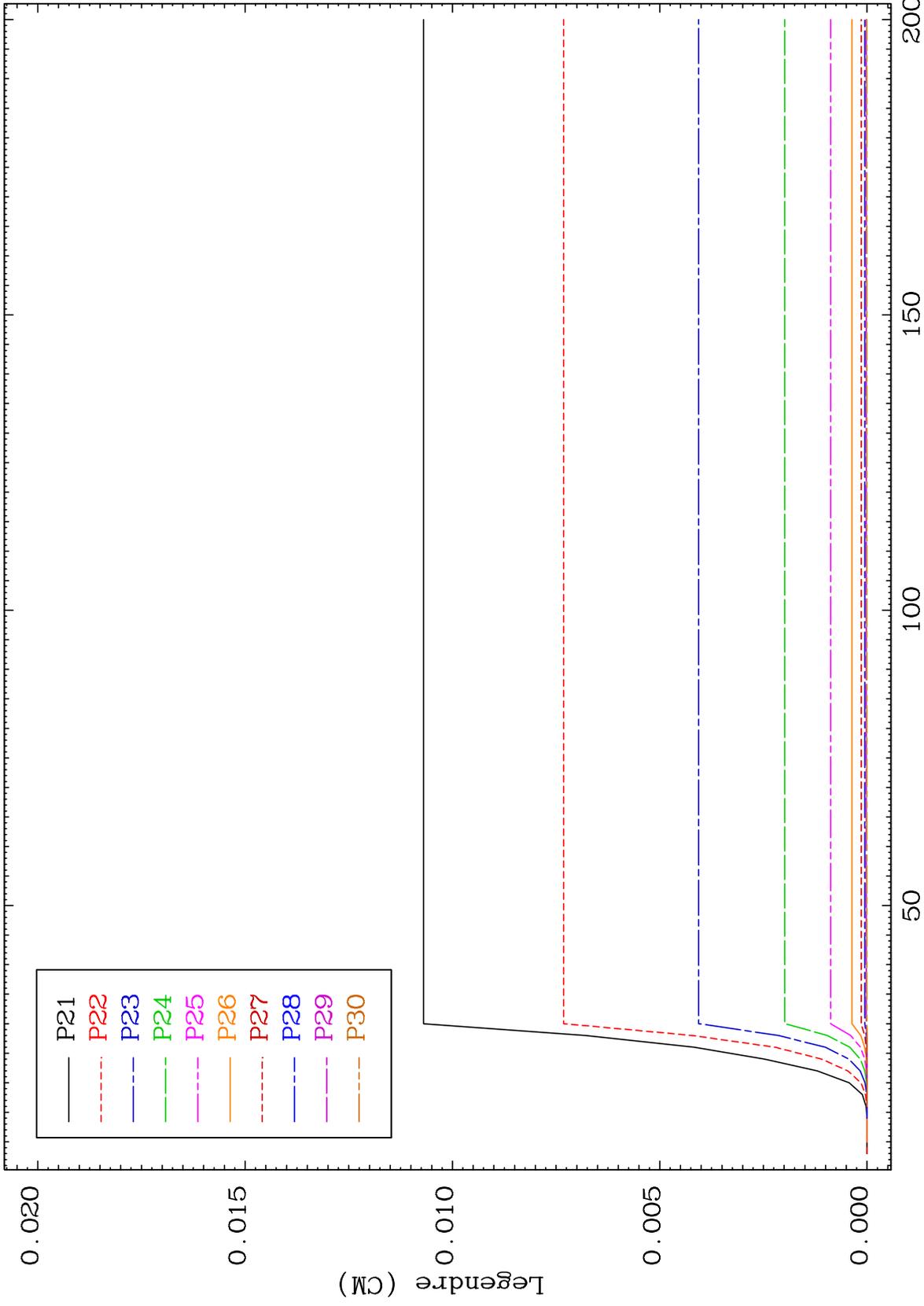
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



114

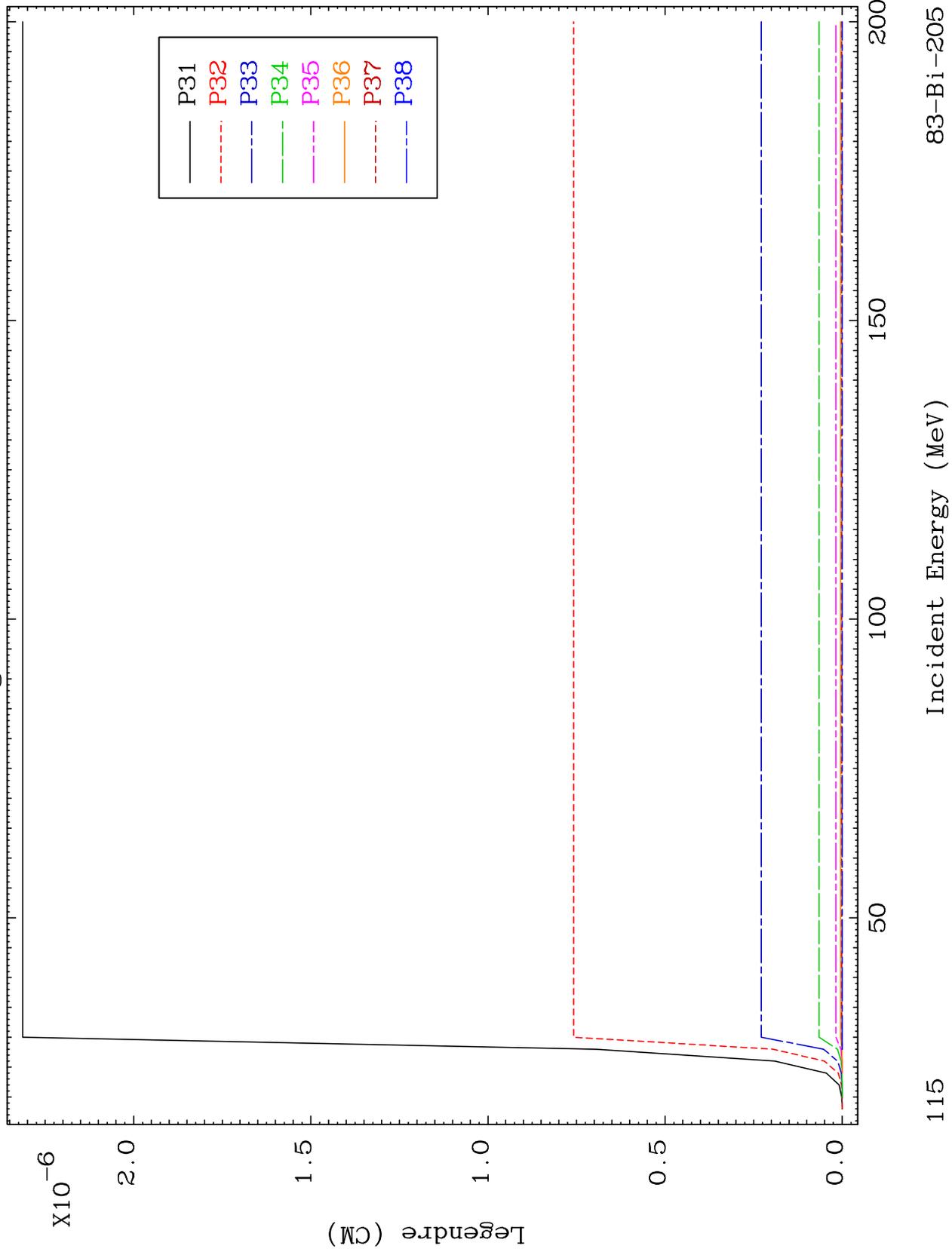
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



83-Bi-205

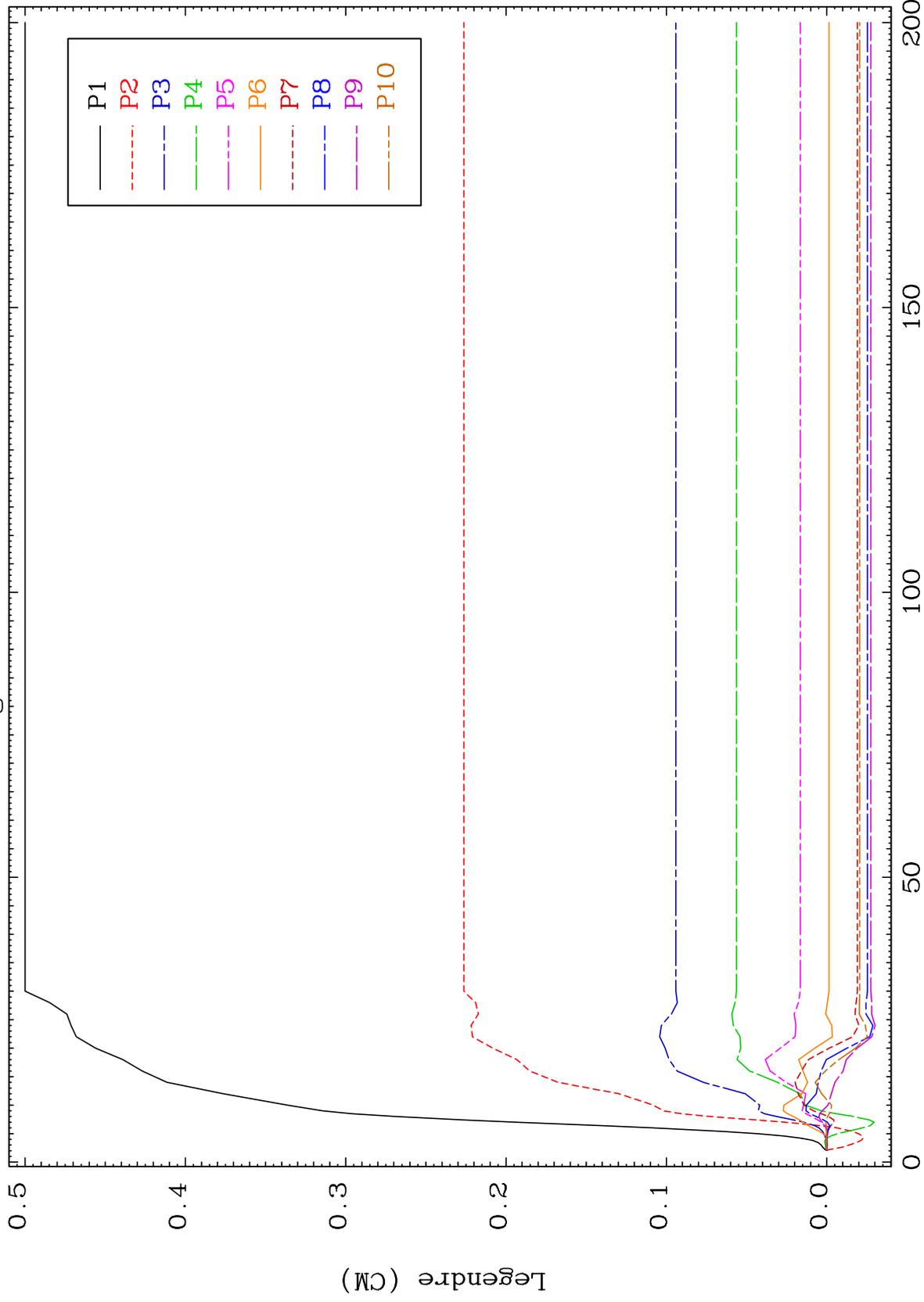
Incident Energy (MeV)

115

MAT 8313

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

83-Bi-205



83-Bi-205

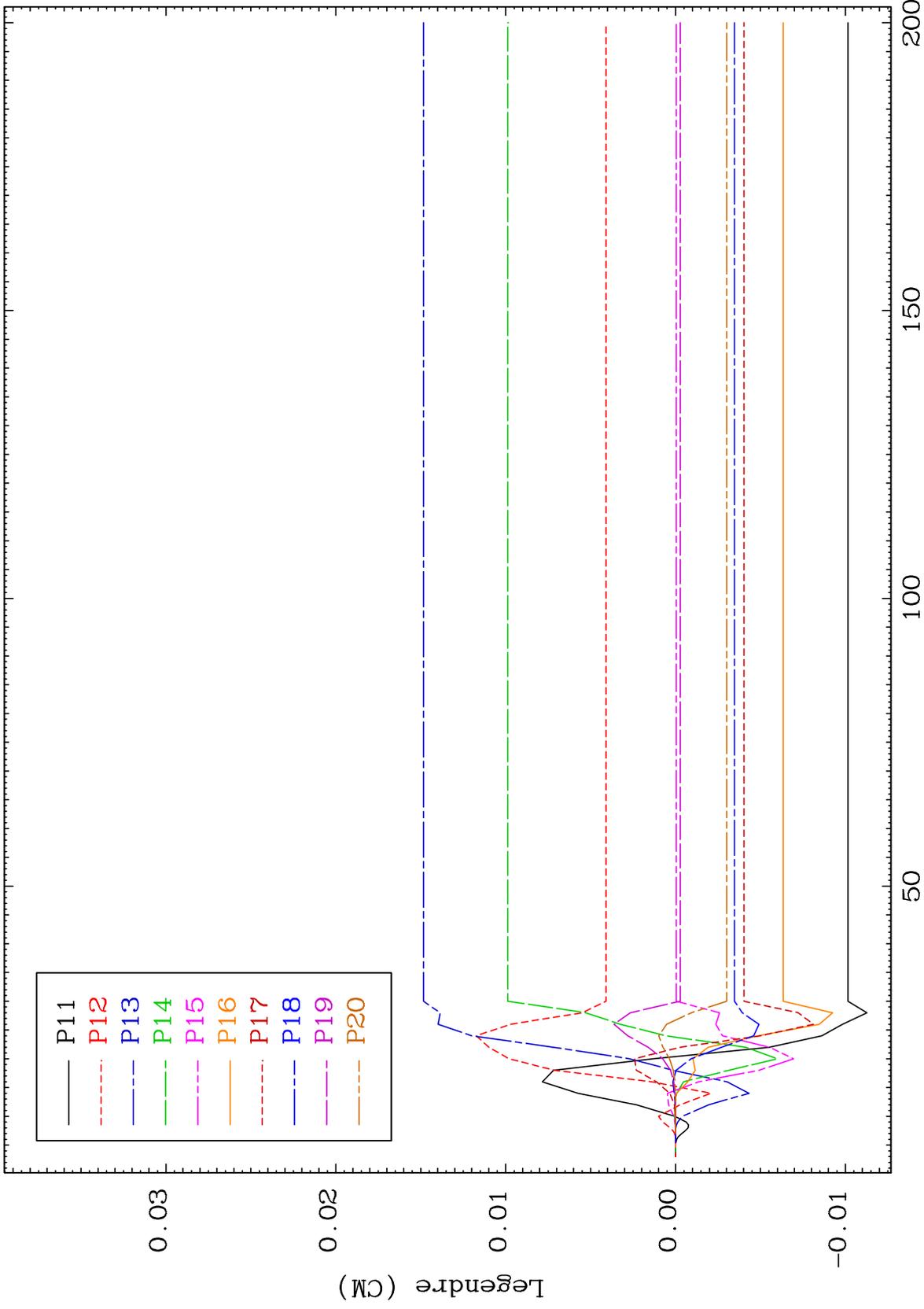
Incident Energy (MeV)

116

MAT 8313

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

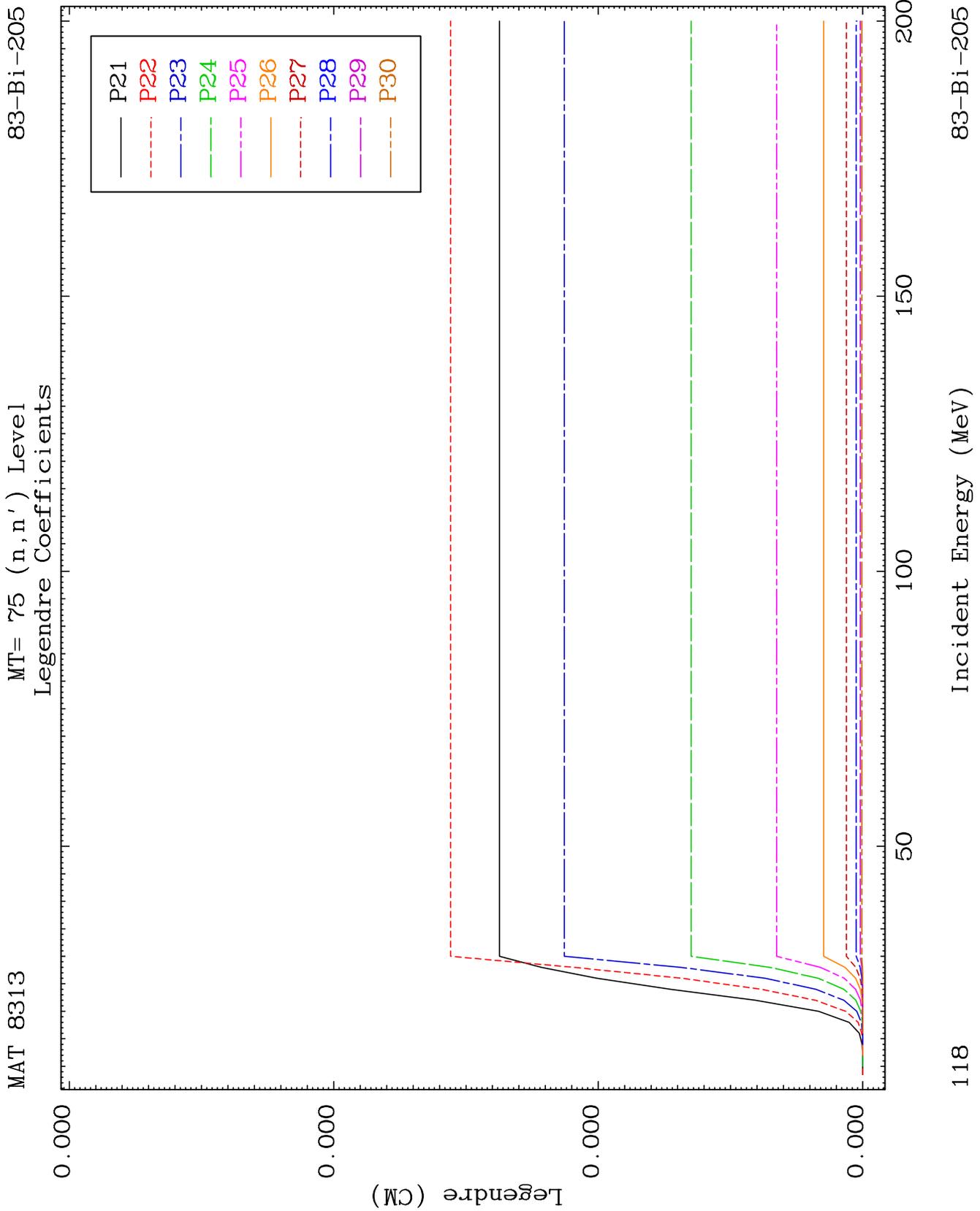
83-Bi-205



117

Incident Energy (MeV)

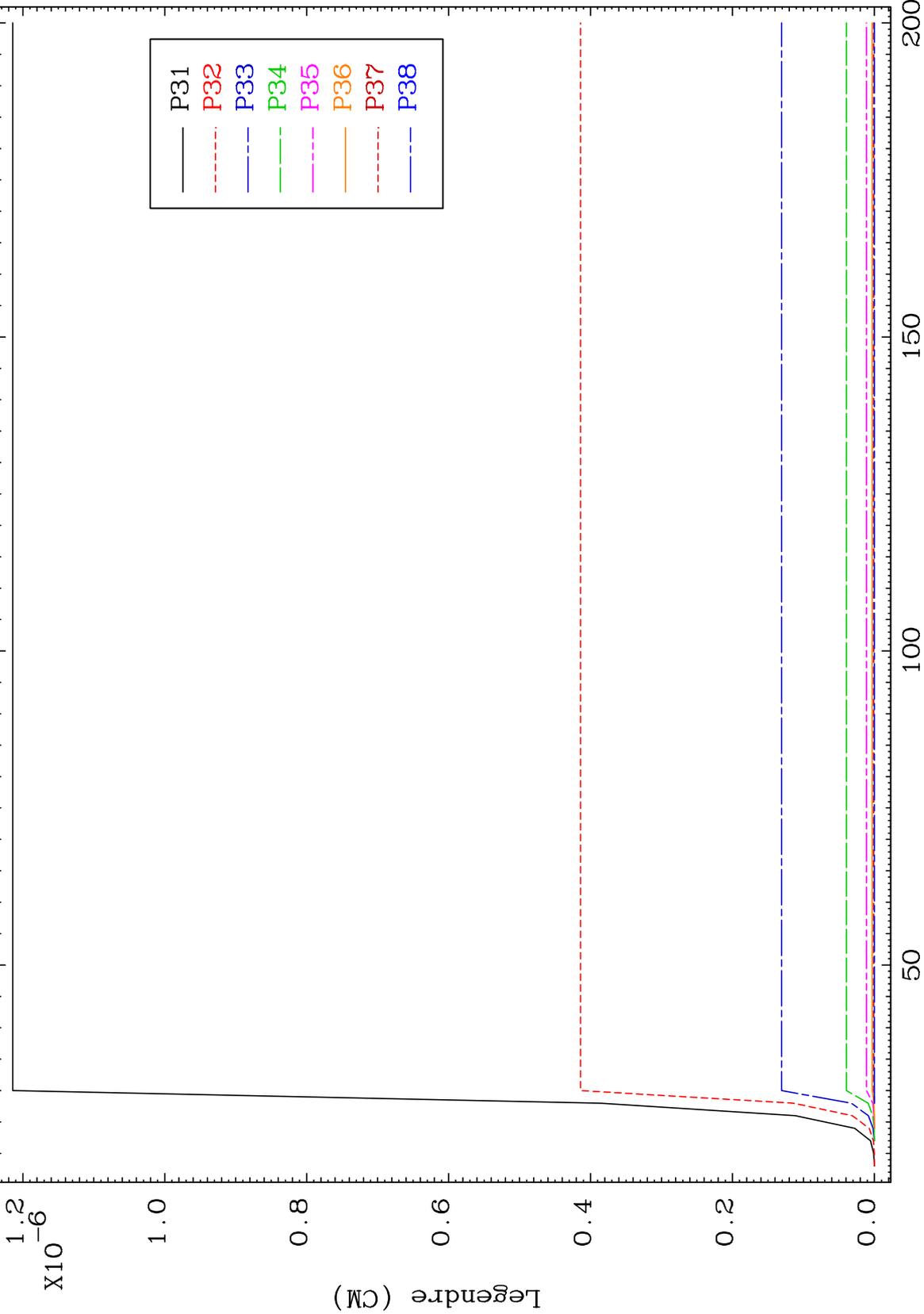
83-Bi-205



MAT 8313

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

83-Bi-205



119

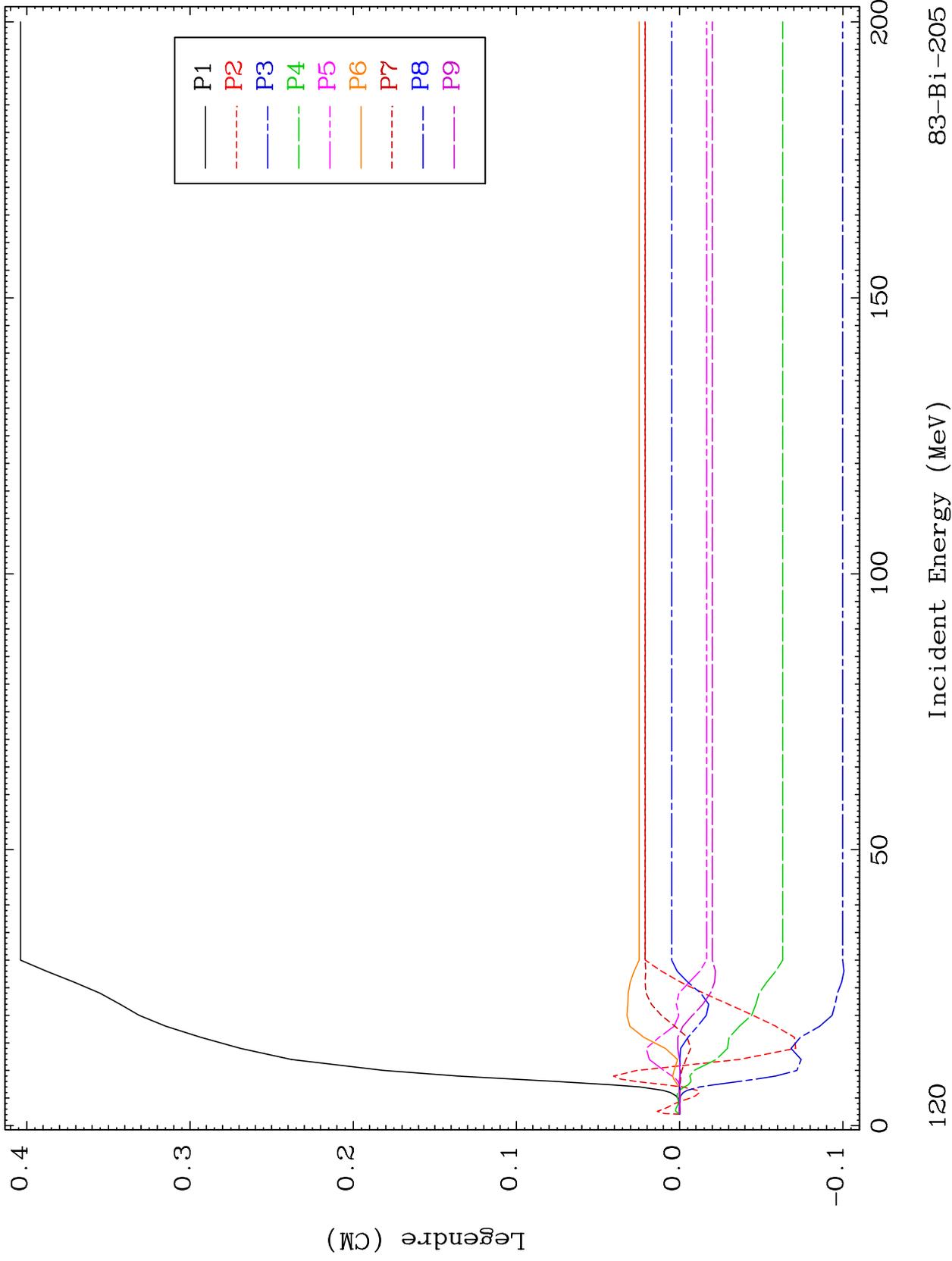
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

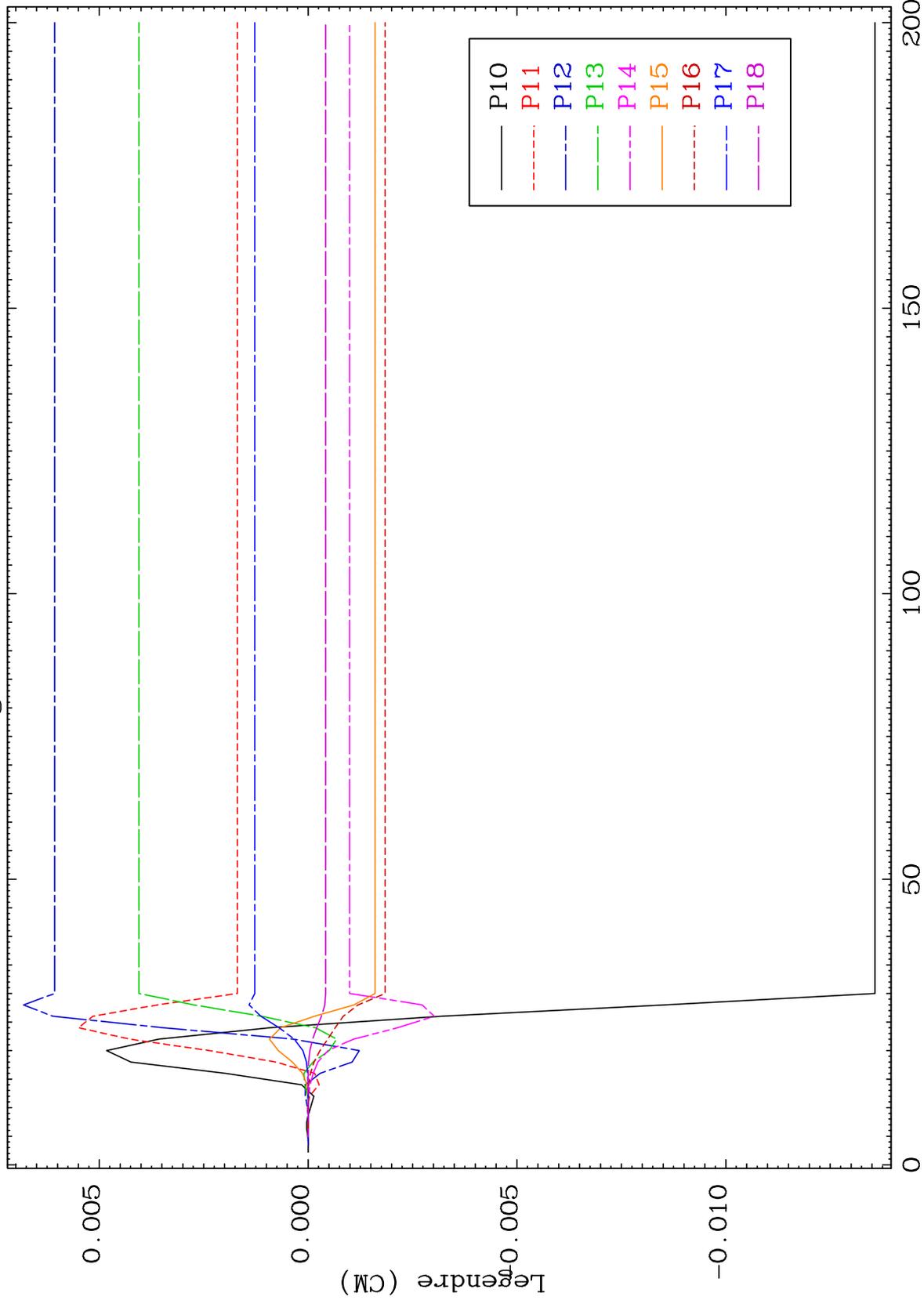
83-Bi-205



MAT 8313

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

83-Bi-205



121

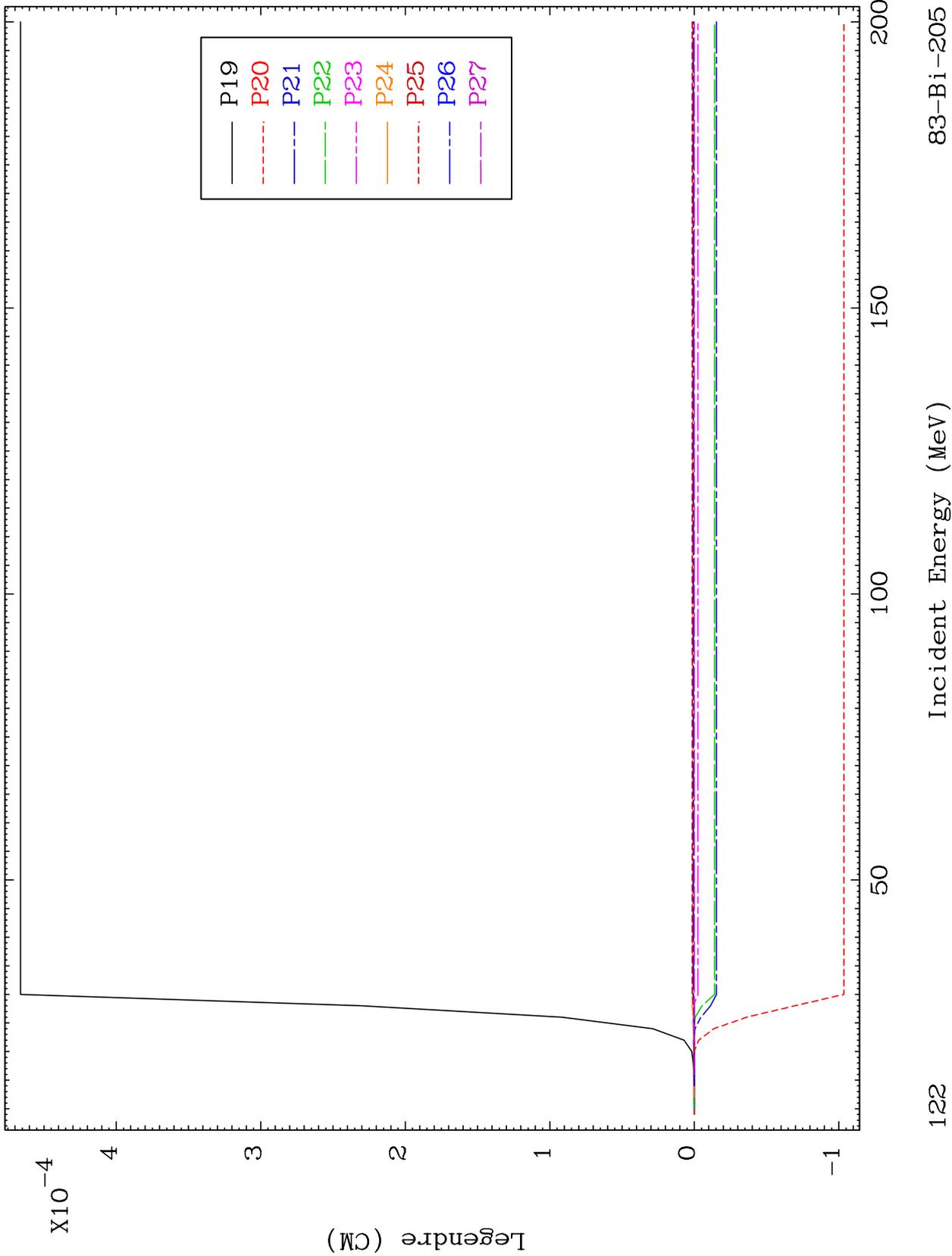
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



122

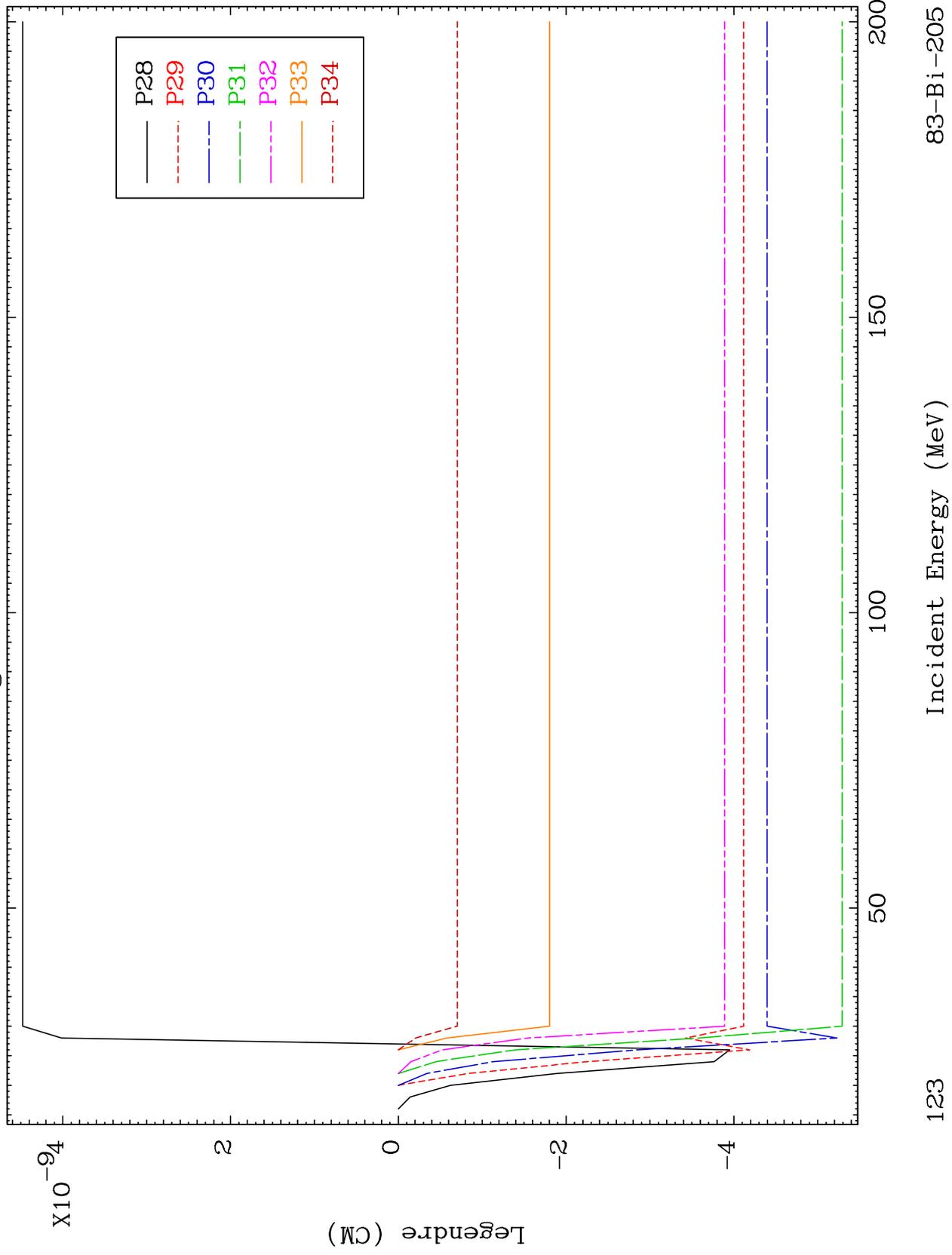
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

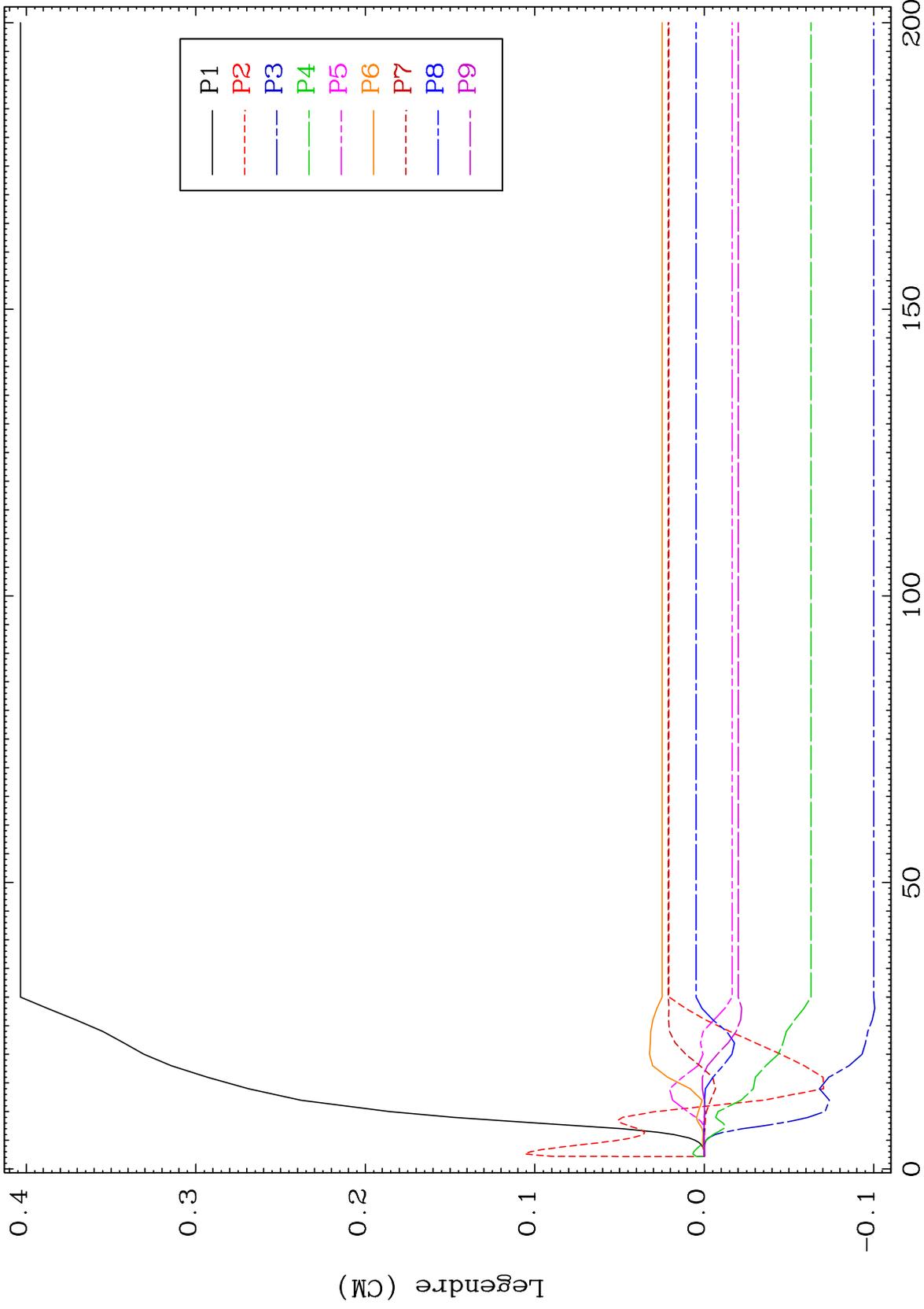
83-Bi-205



MAT 8313

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

83-Bi-205



124

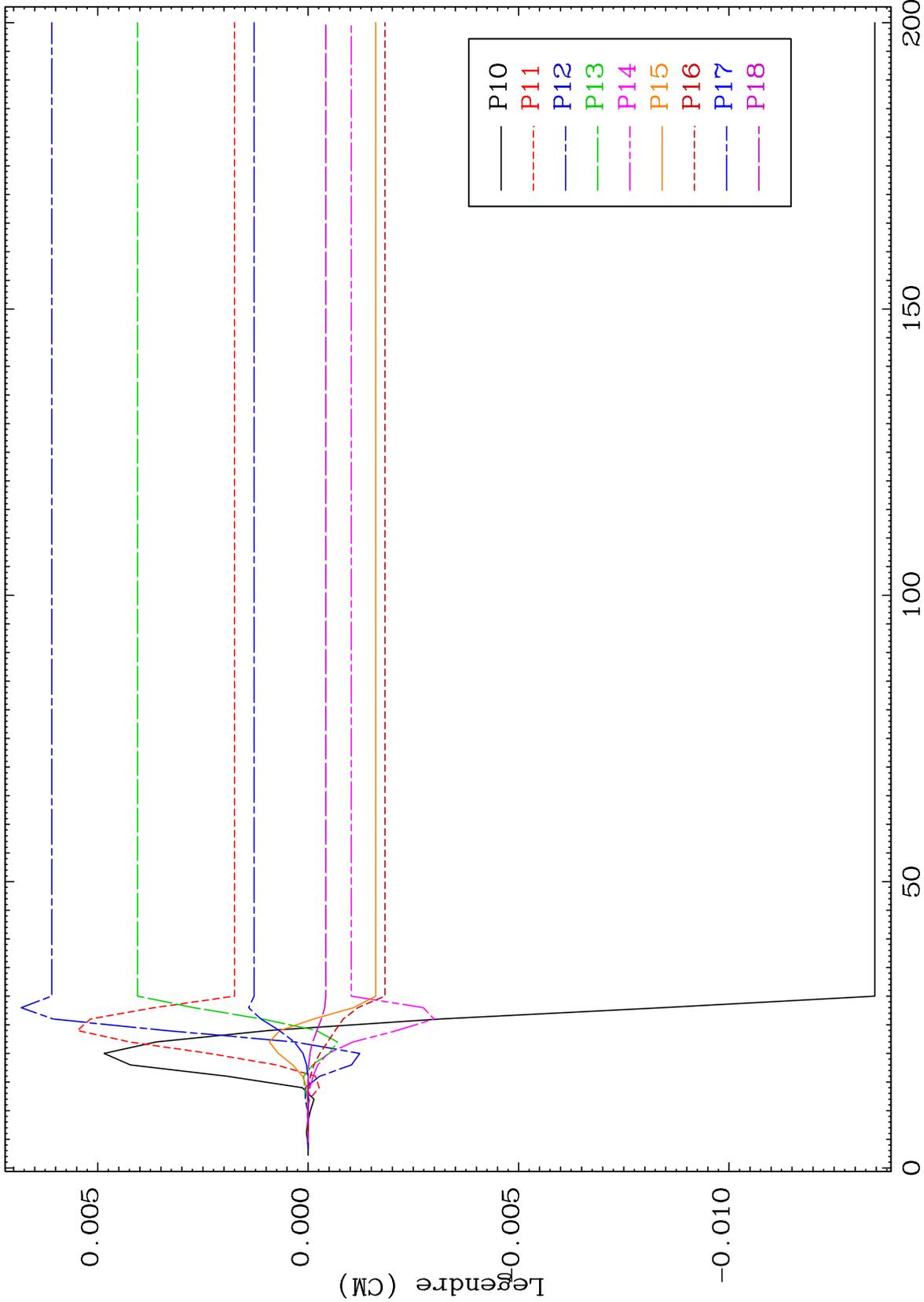
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



125

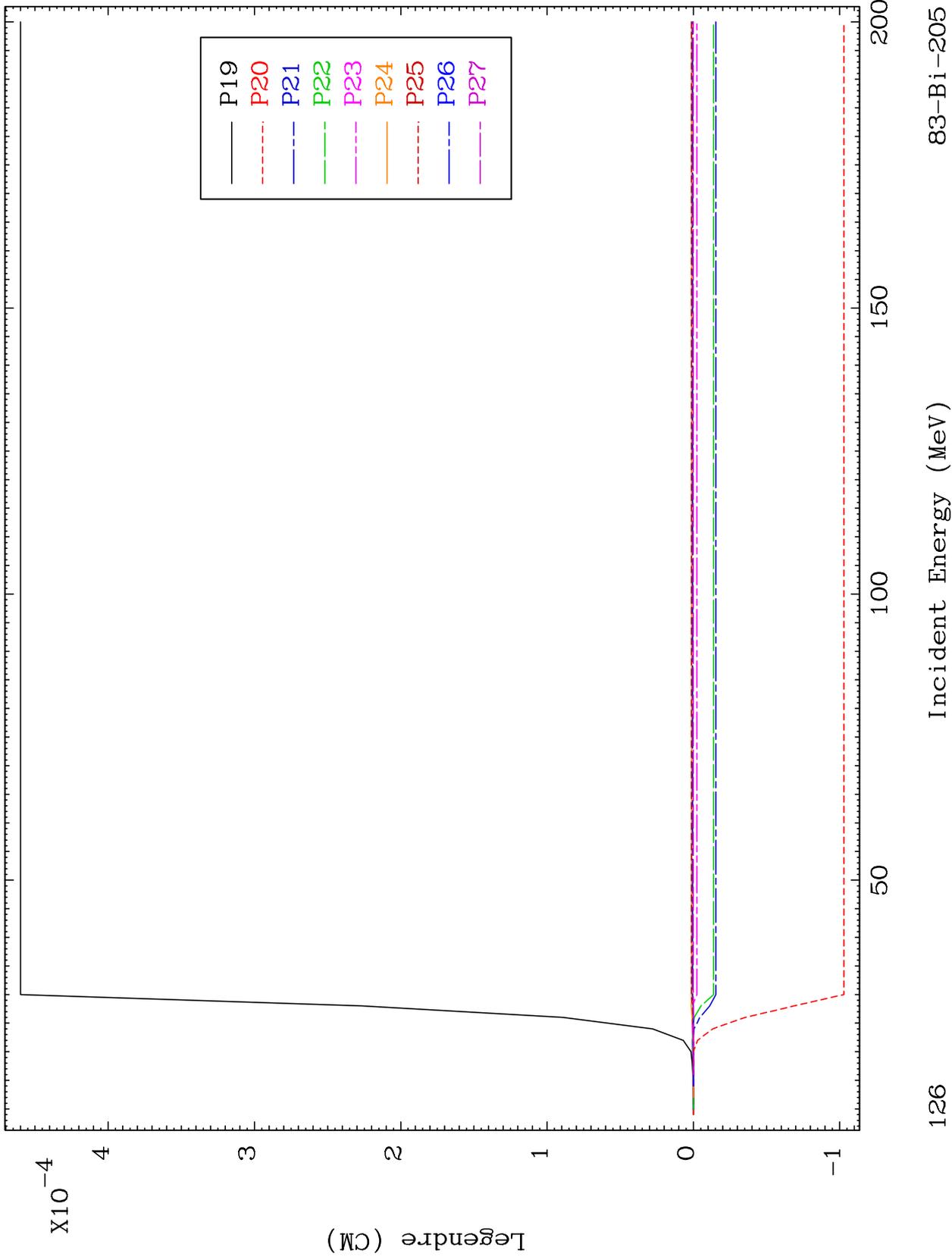
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



126

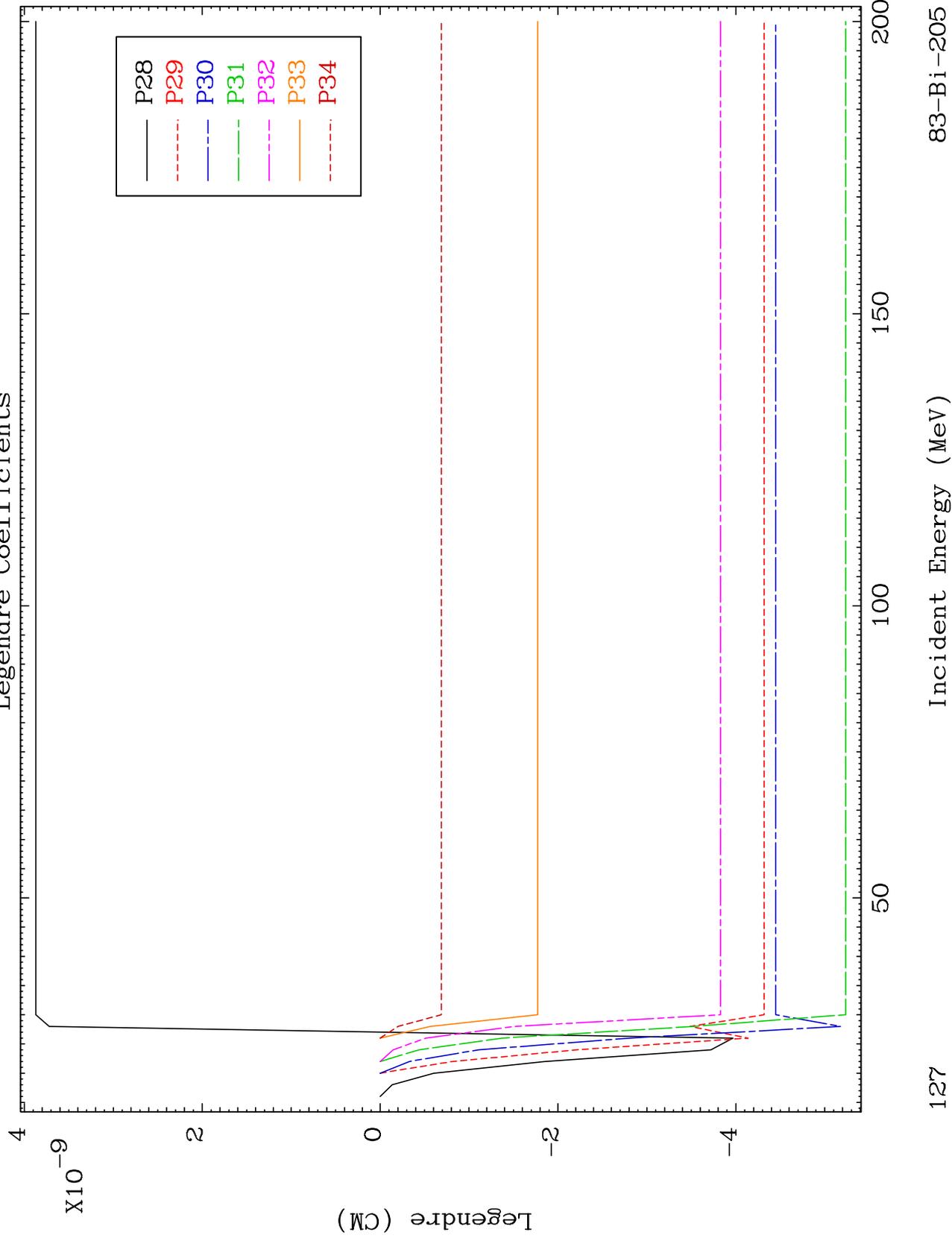
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205

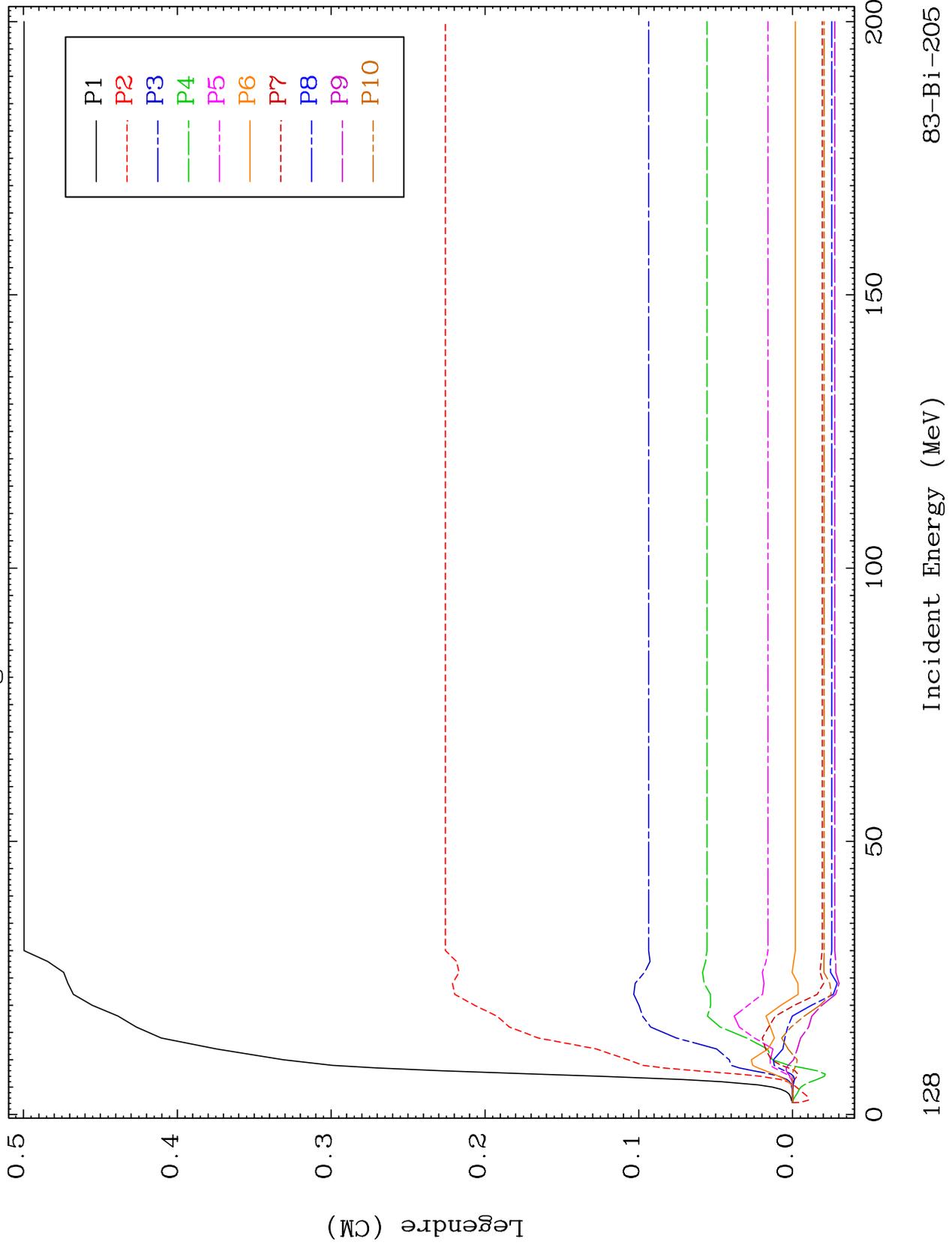


127

MAT 8313

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

83-Bi-205



83-Bi-205

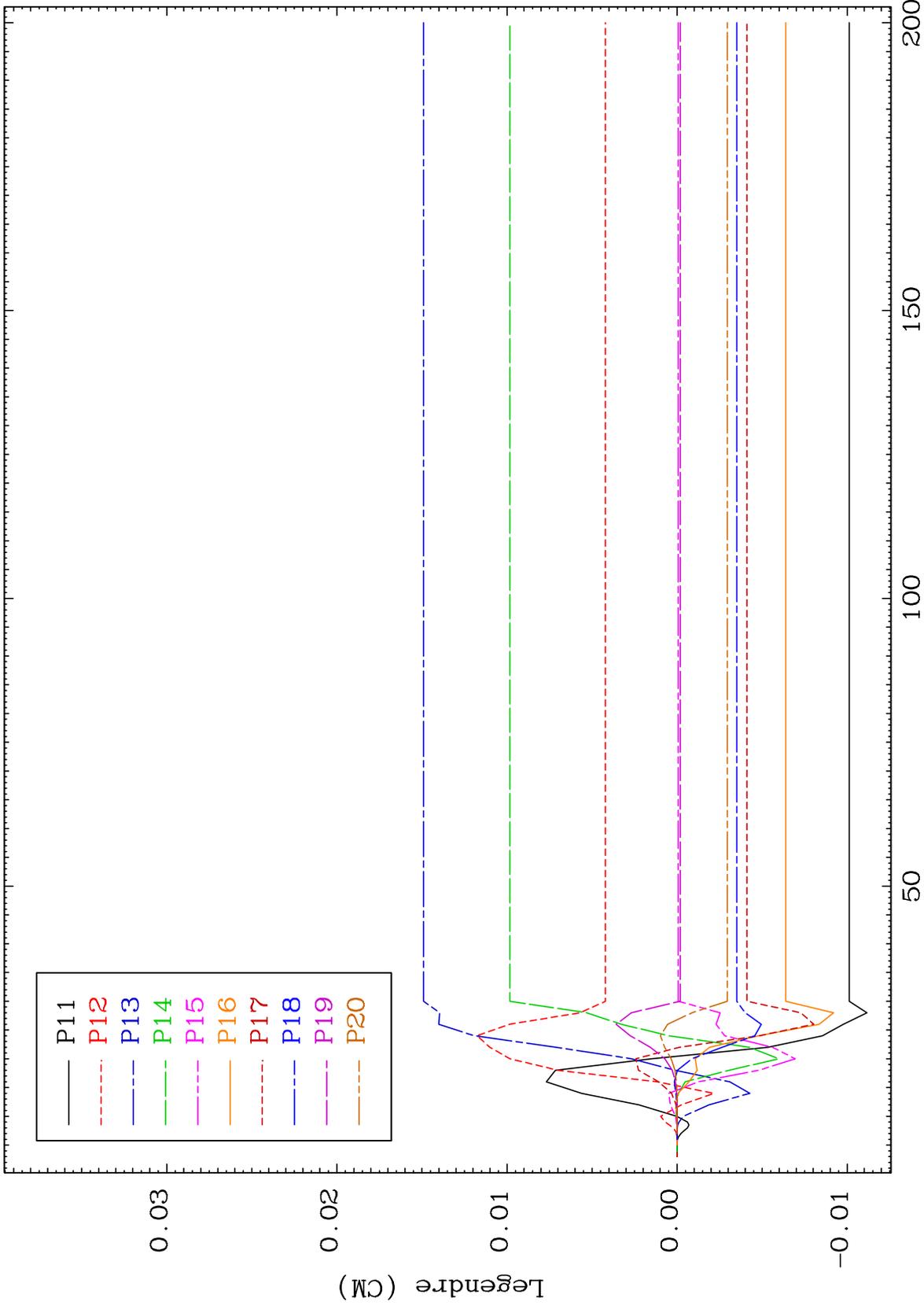
Incident Energy (MeV)

128

MAT 8313

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

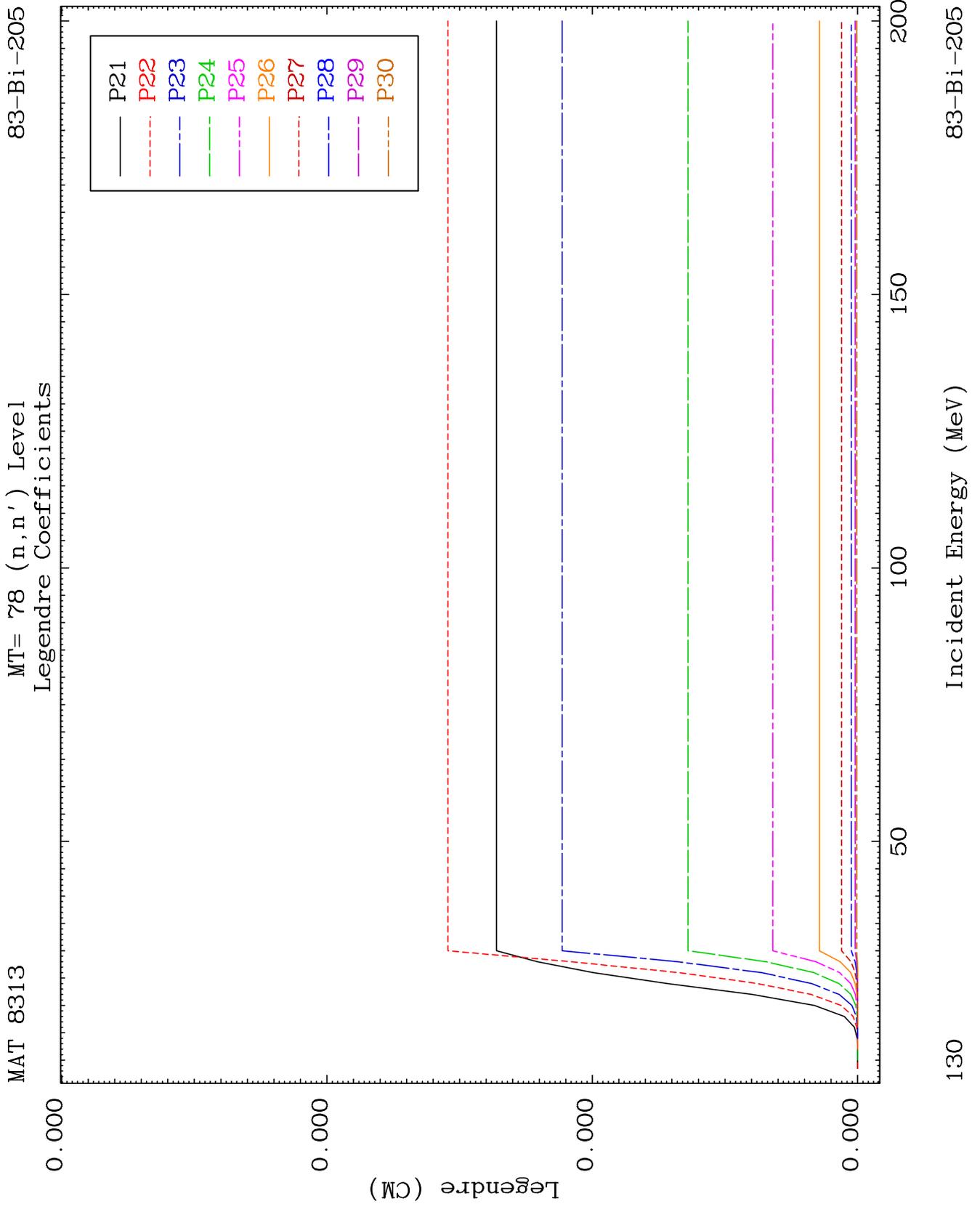
83-Bi-205

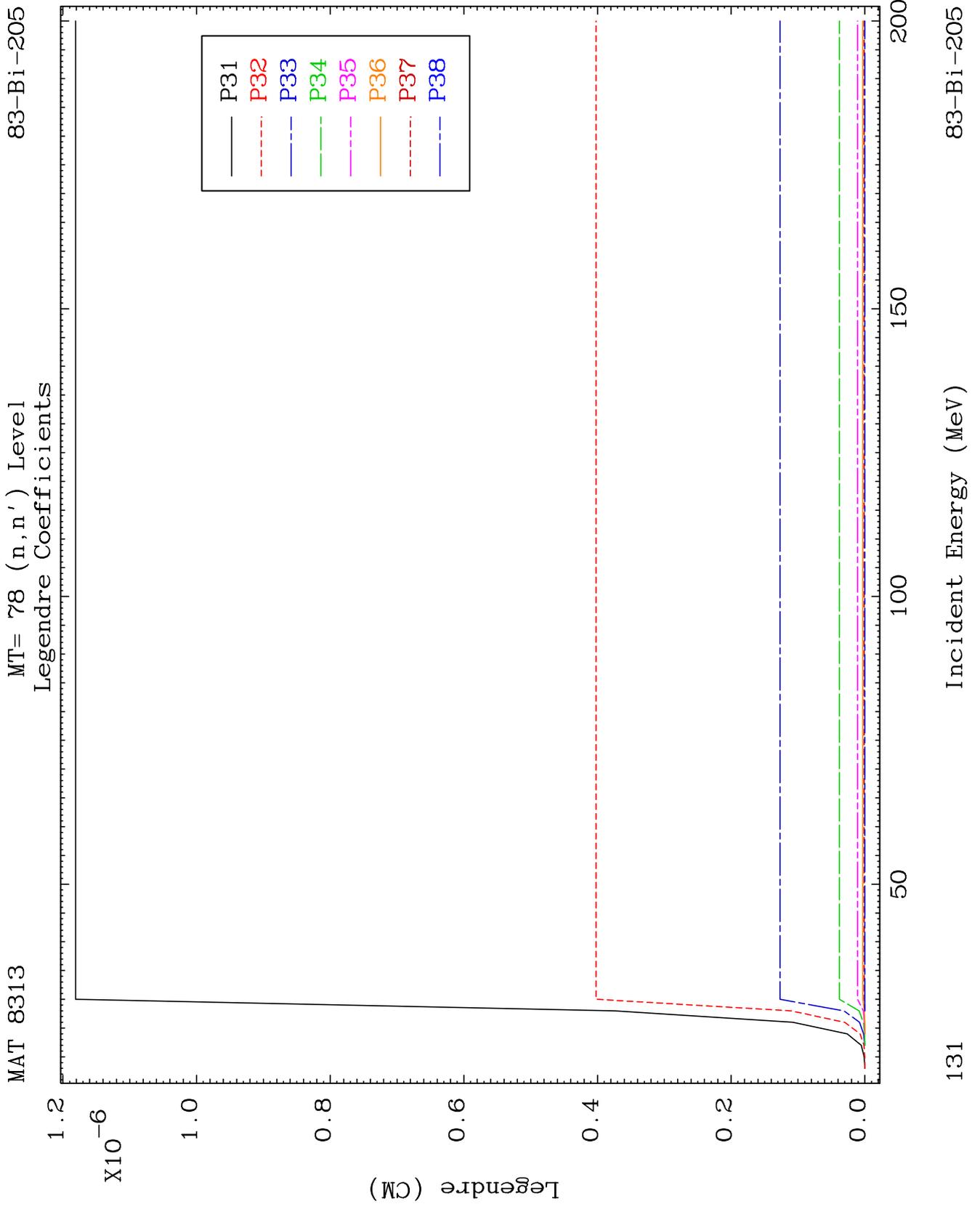


129

Incident Energy (MeV)

83-Bi-205

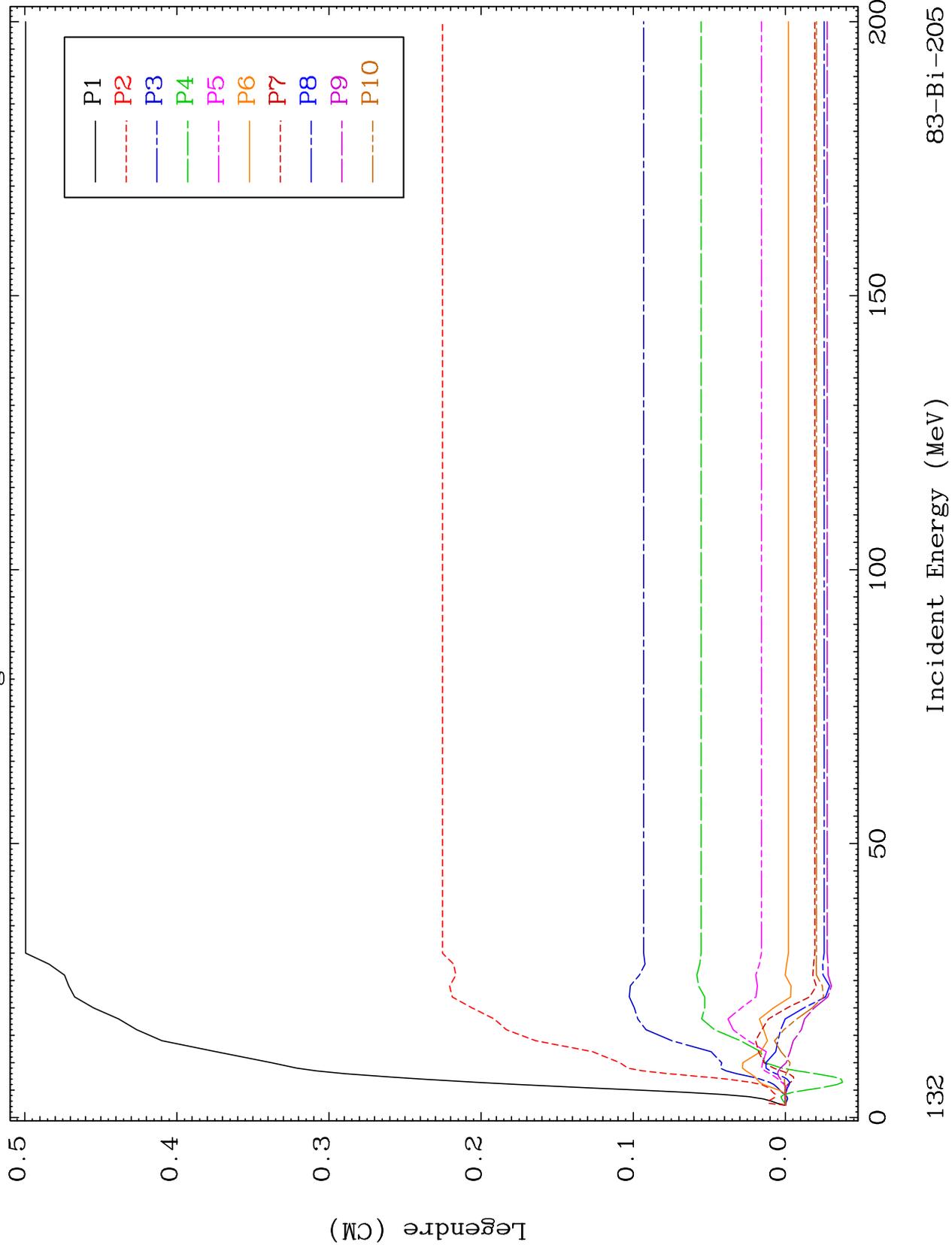




MAT 8313

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

83-Bi-205



83-Bi-205

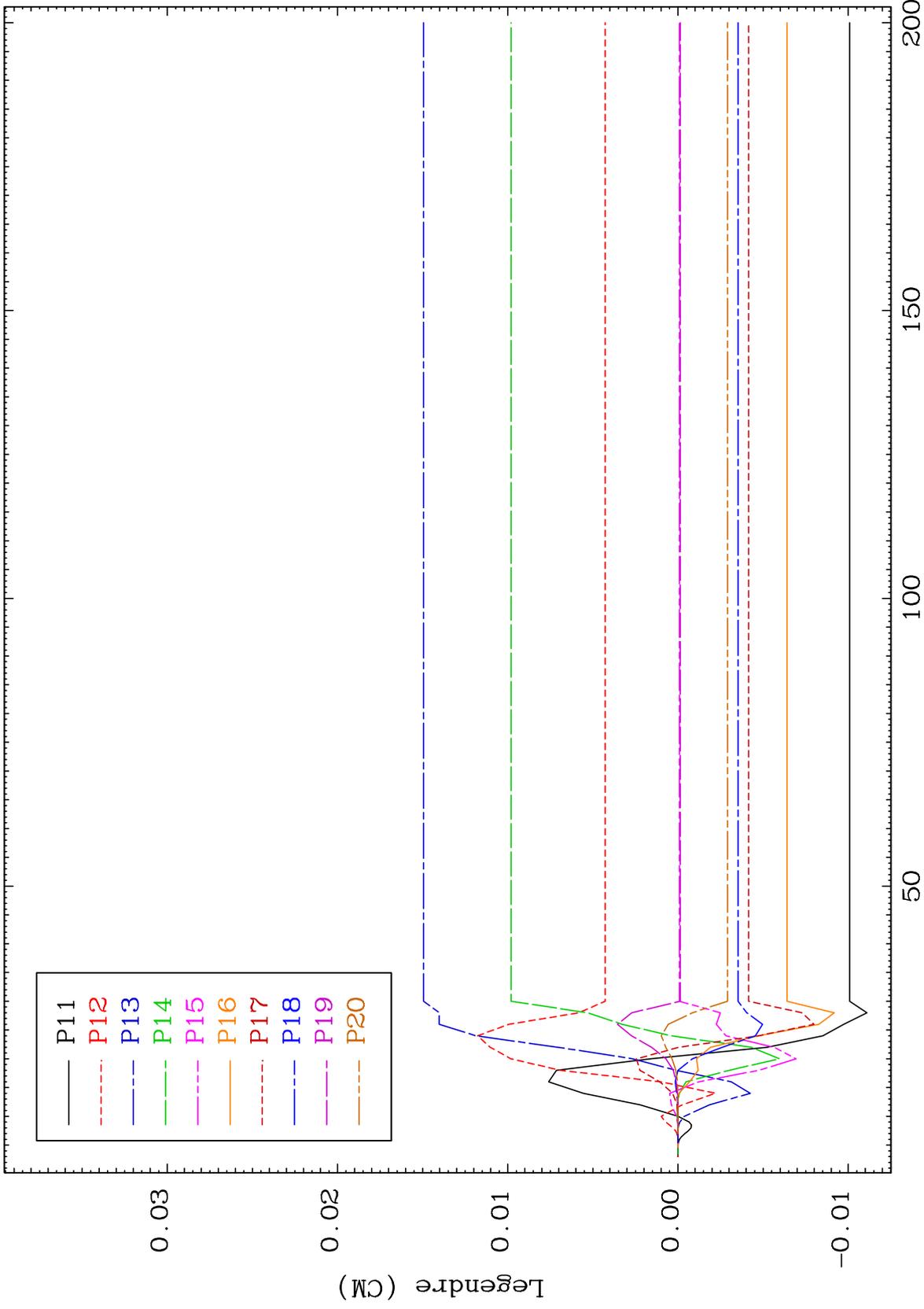
Incident Energy (MeV)

132

MAT 8313

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

83-Bi-205



133

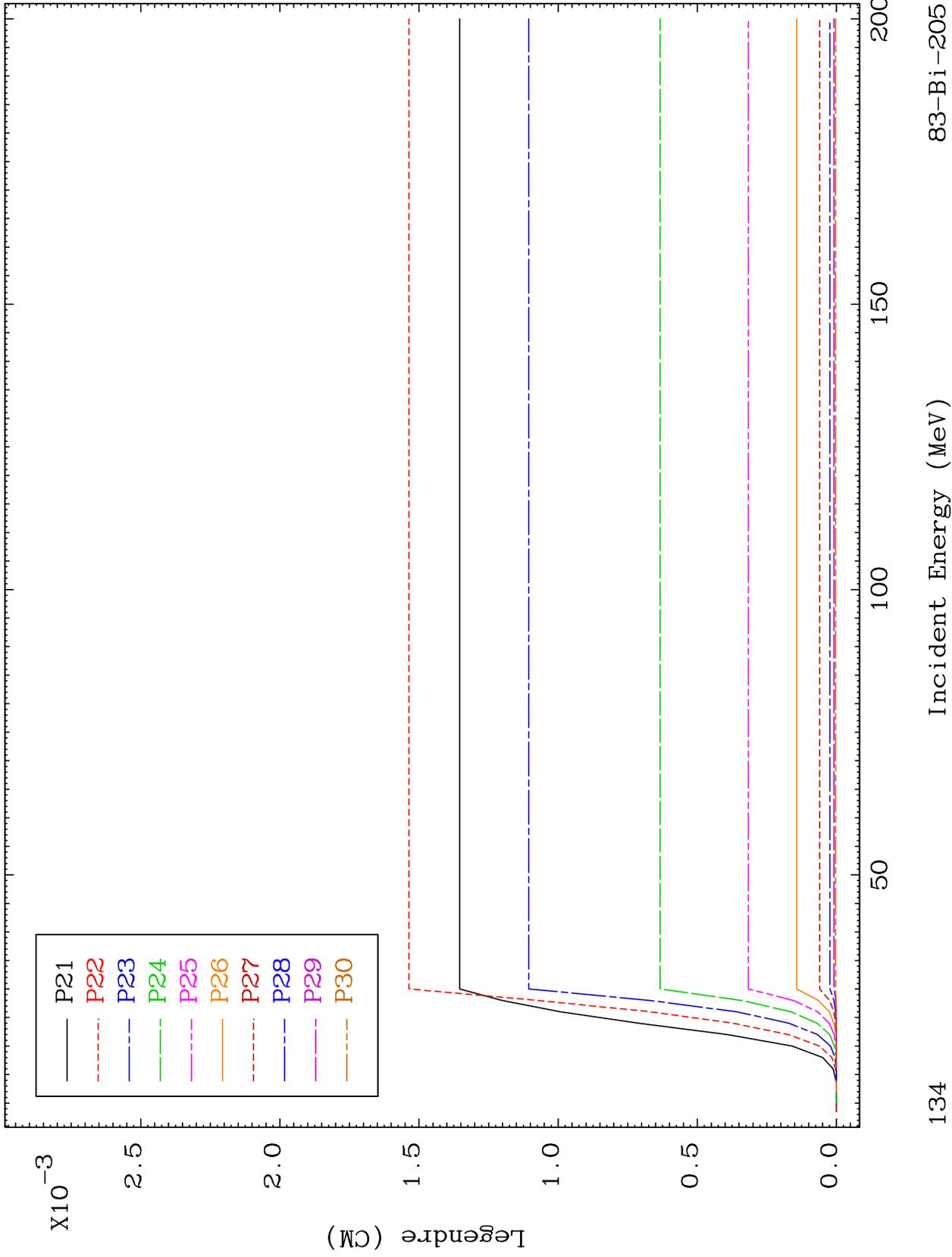
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



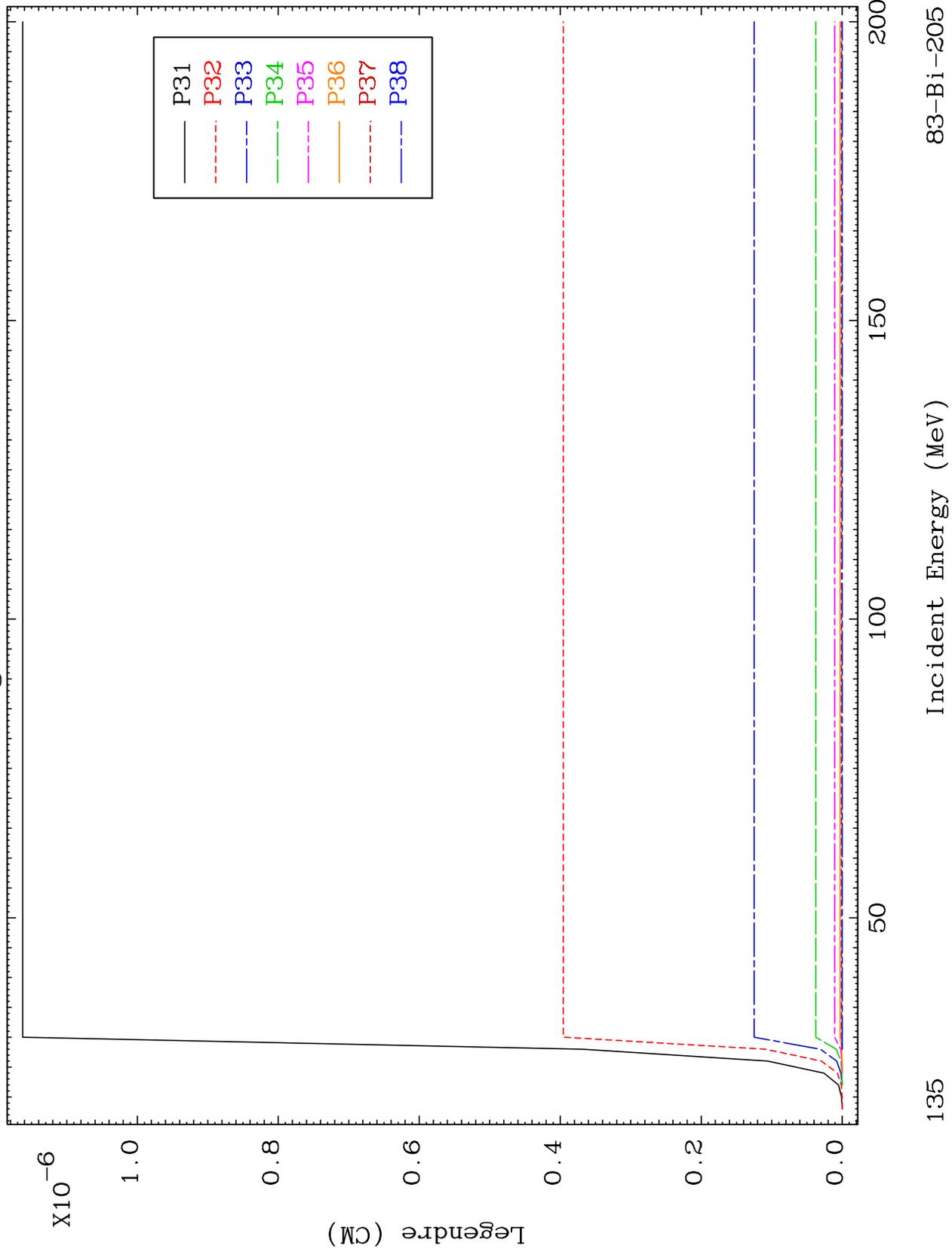
134

83-Bi-205

MAT 8313

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

83-Bi-205

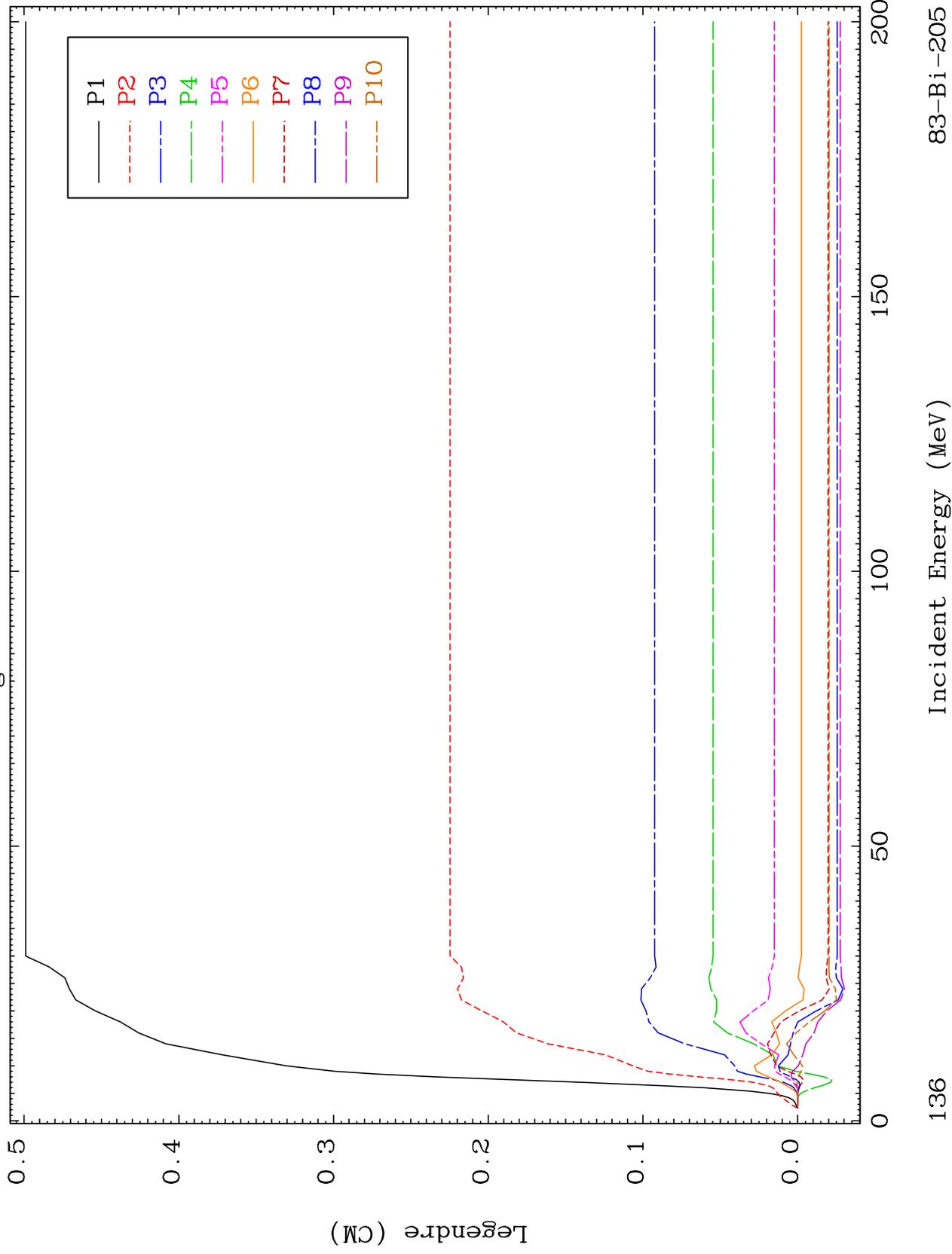


135

MAT 8313

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

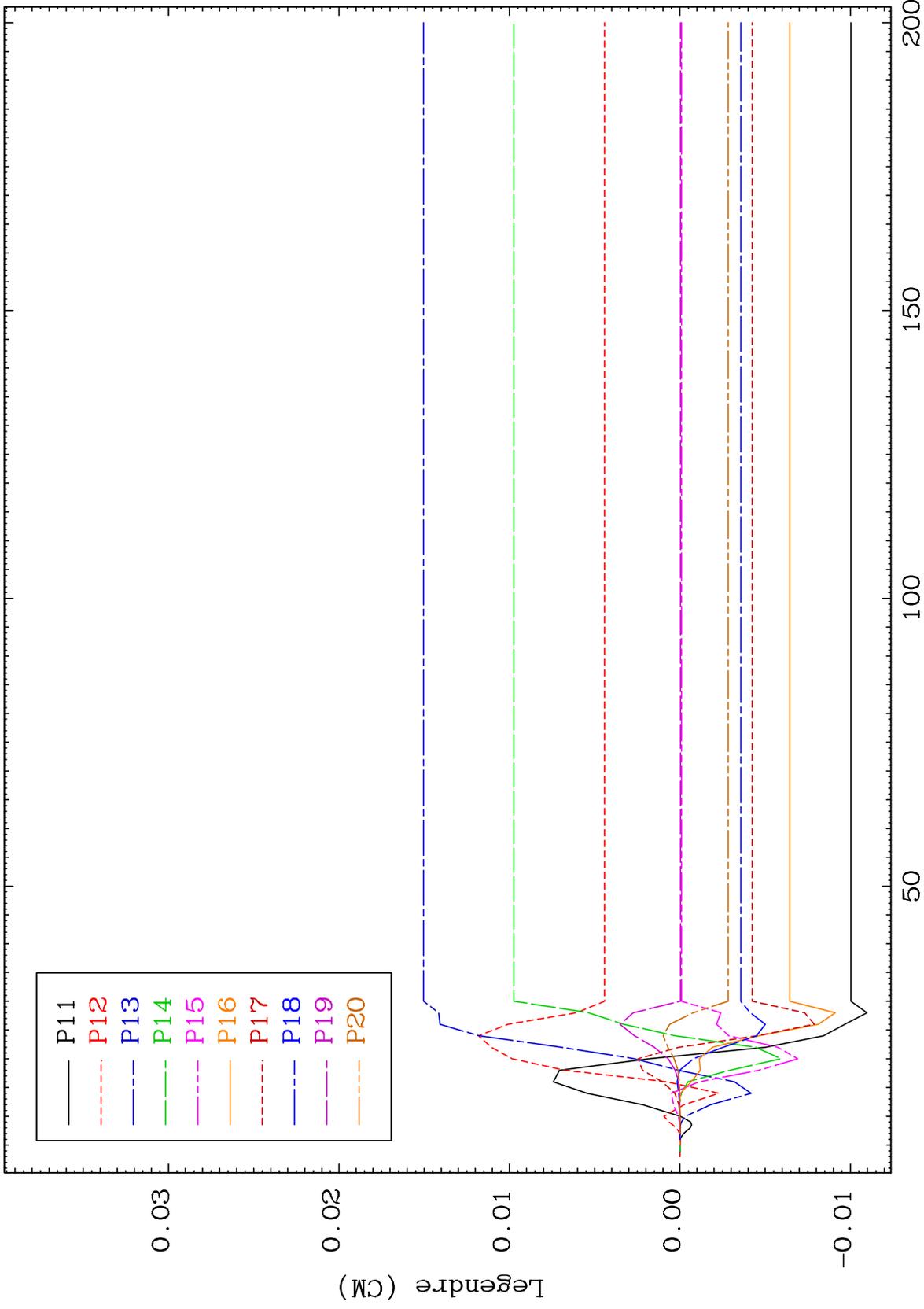
83-Bi-205



MAT 8313

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

83-Bi-205



137

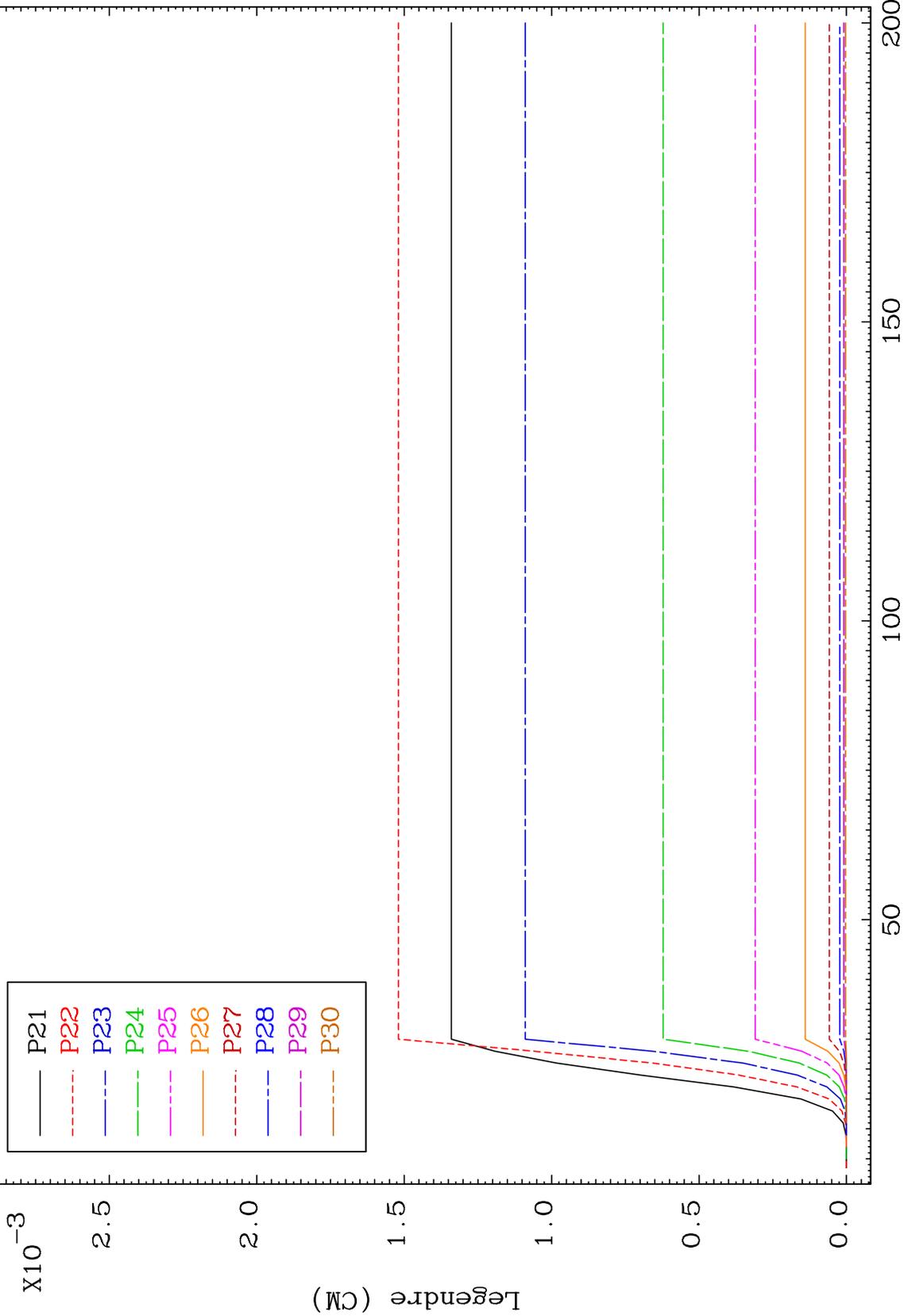
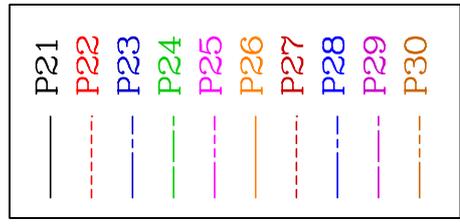
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205



138

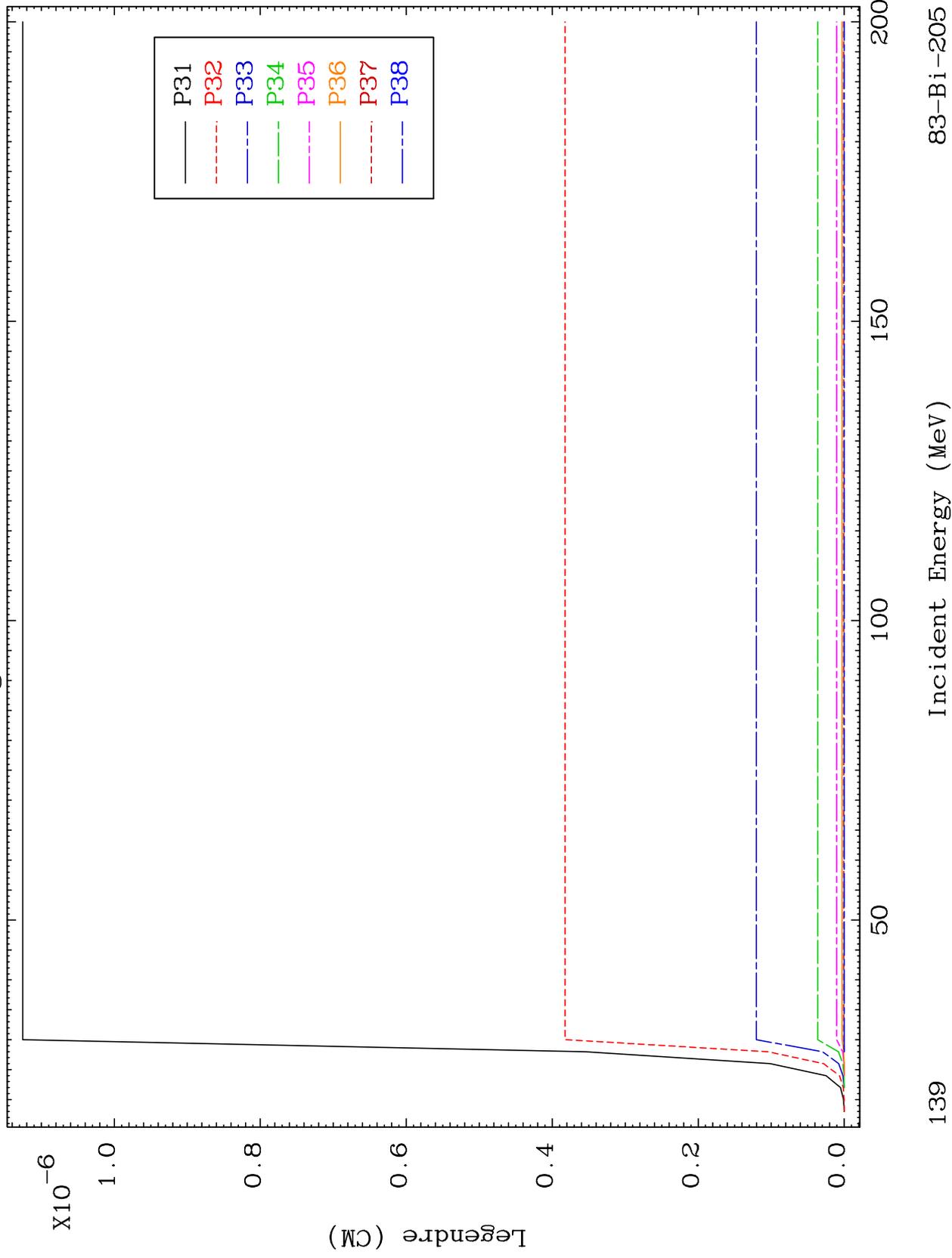
Incident Energy (MeV)

83-Bi-205

MAT 8313

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

83-Bi-205

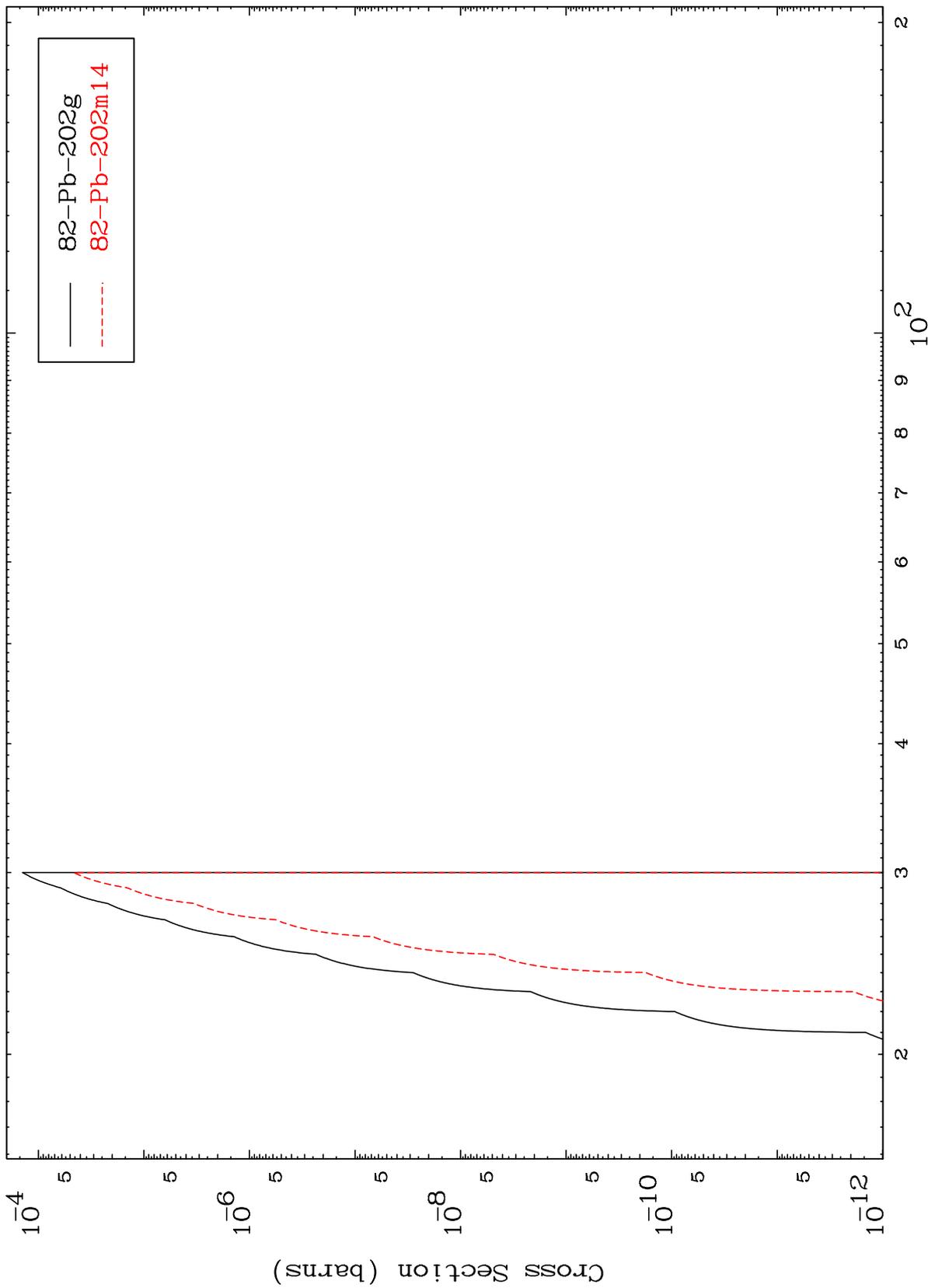


MAT 8313

(n,2n) d

83-Bi-205

Radionuclide Production Cross Section



140

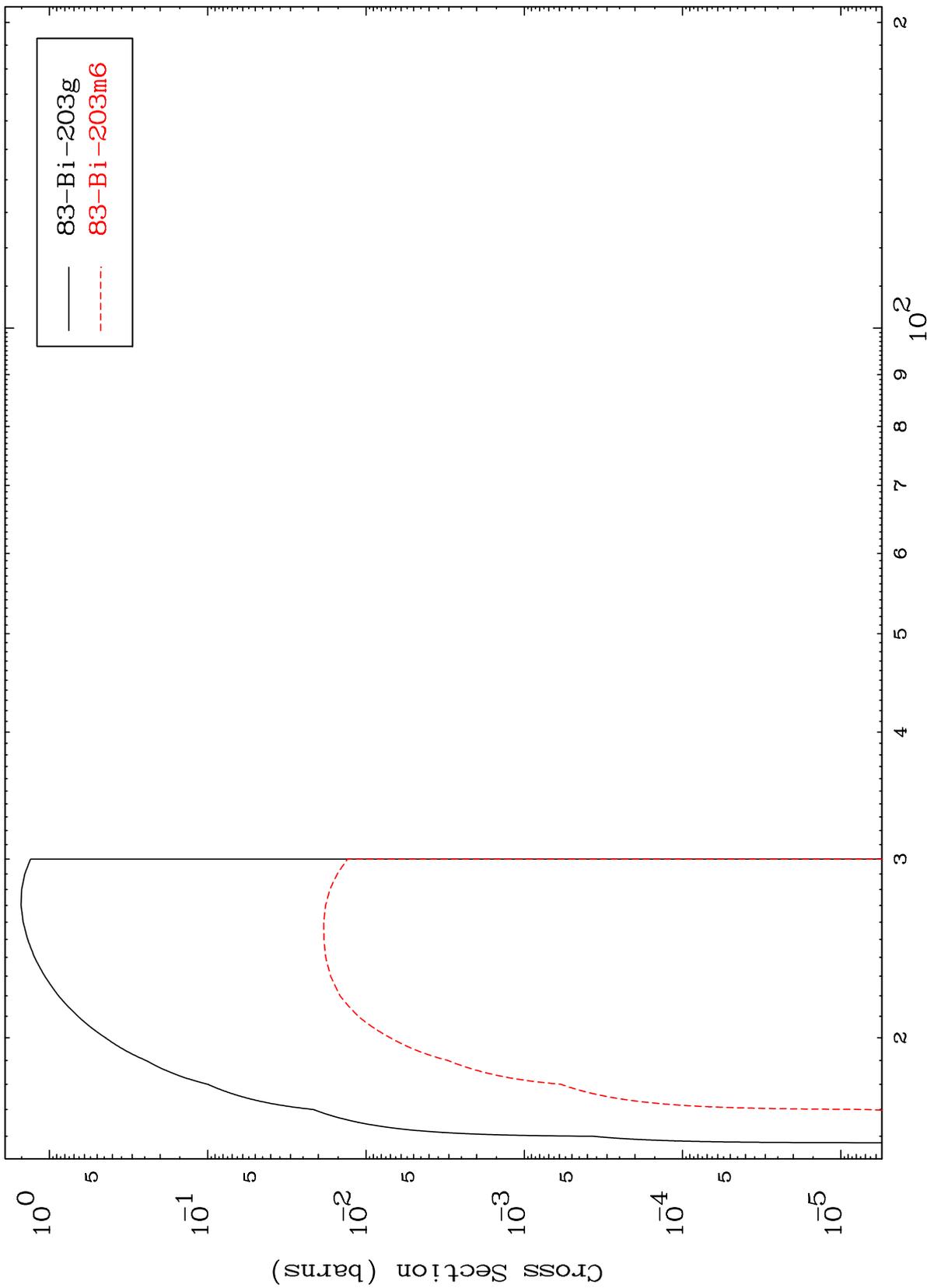
Incident Energy (MeV)

83-Bi-205

MAT 8313

83-Bi-205

(n,3n)
Radionuclide Production Cross Section



141

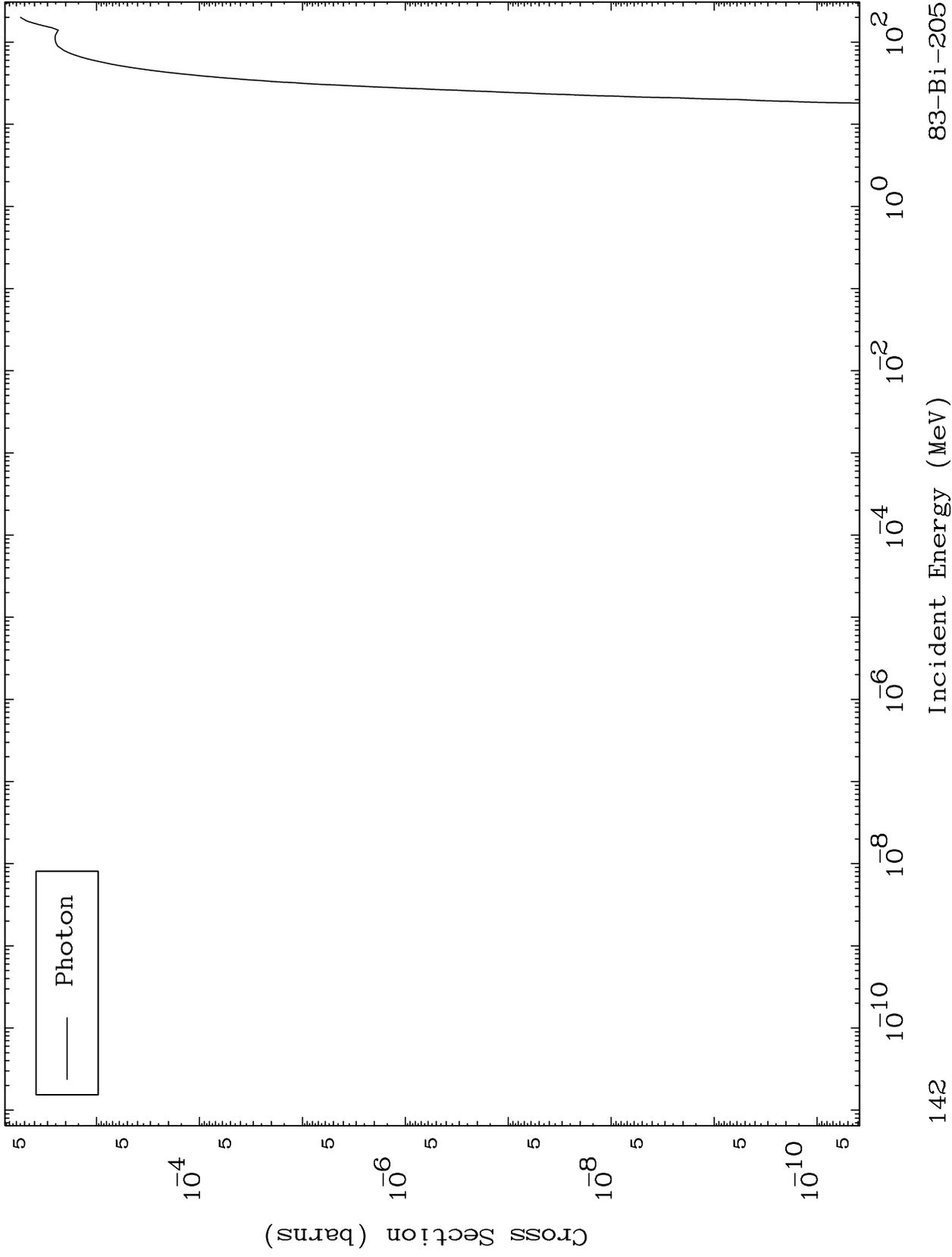
83-Bi-205

Incident Energy (MeV)

MAT 8313

Fission
Radionuclide Production Cross Section

83-Bi-205



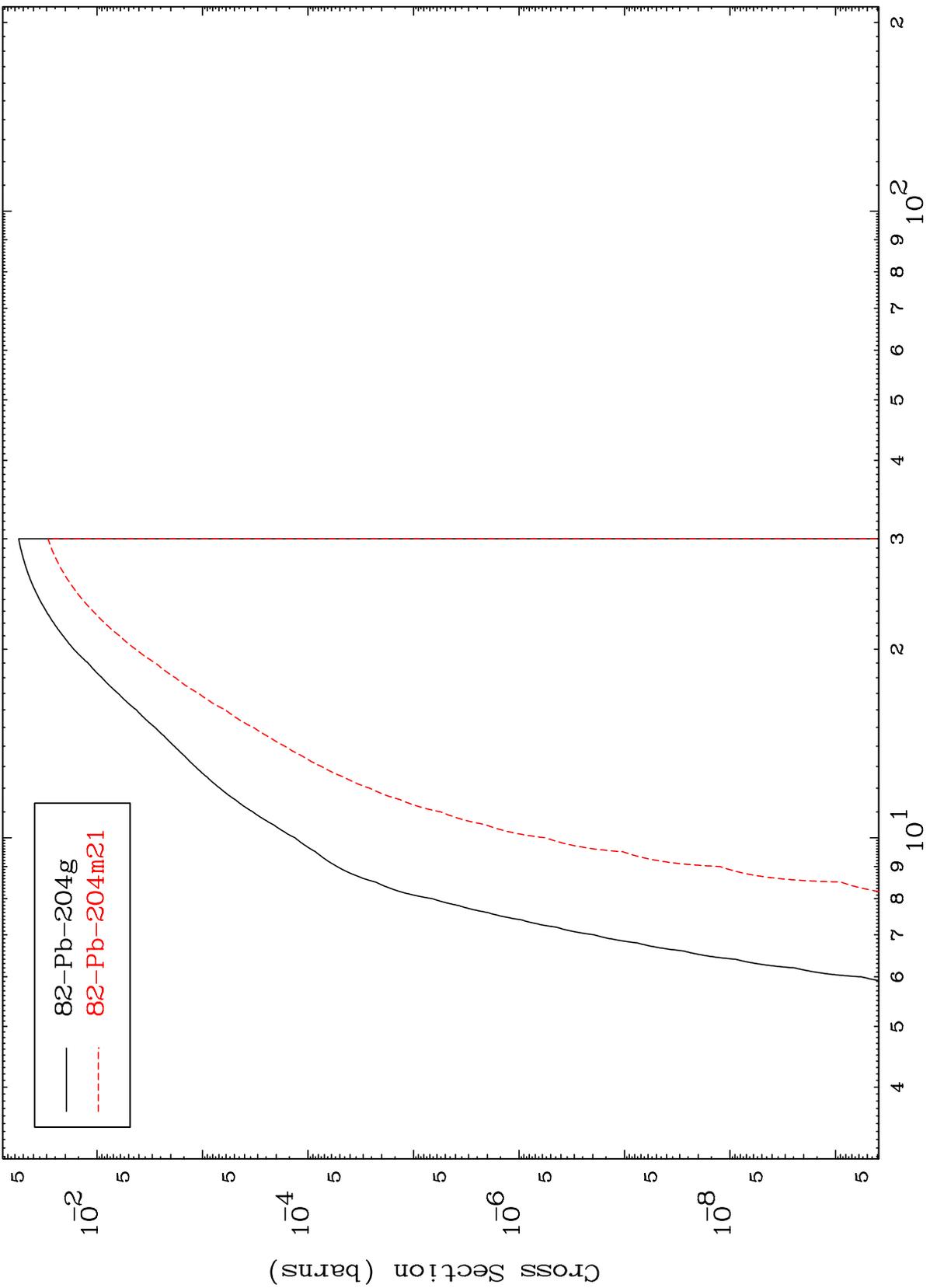
83-Bi-205

MAT 8313

(n,n') p

83-Bi-205

Radionuclide Production Cross Section



143

Incident Energy (MeV)

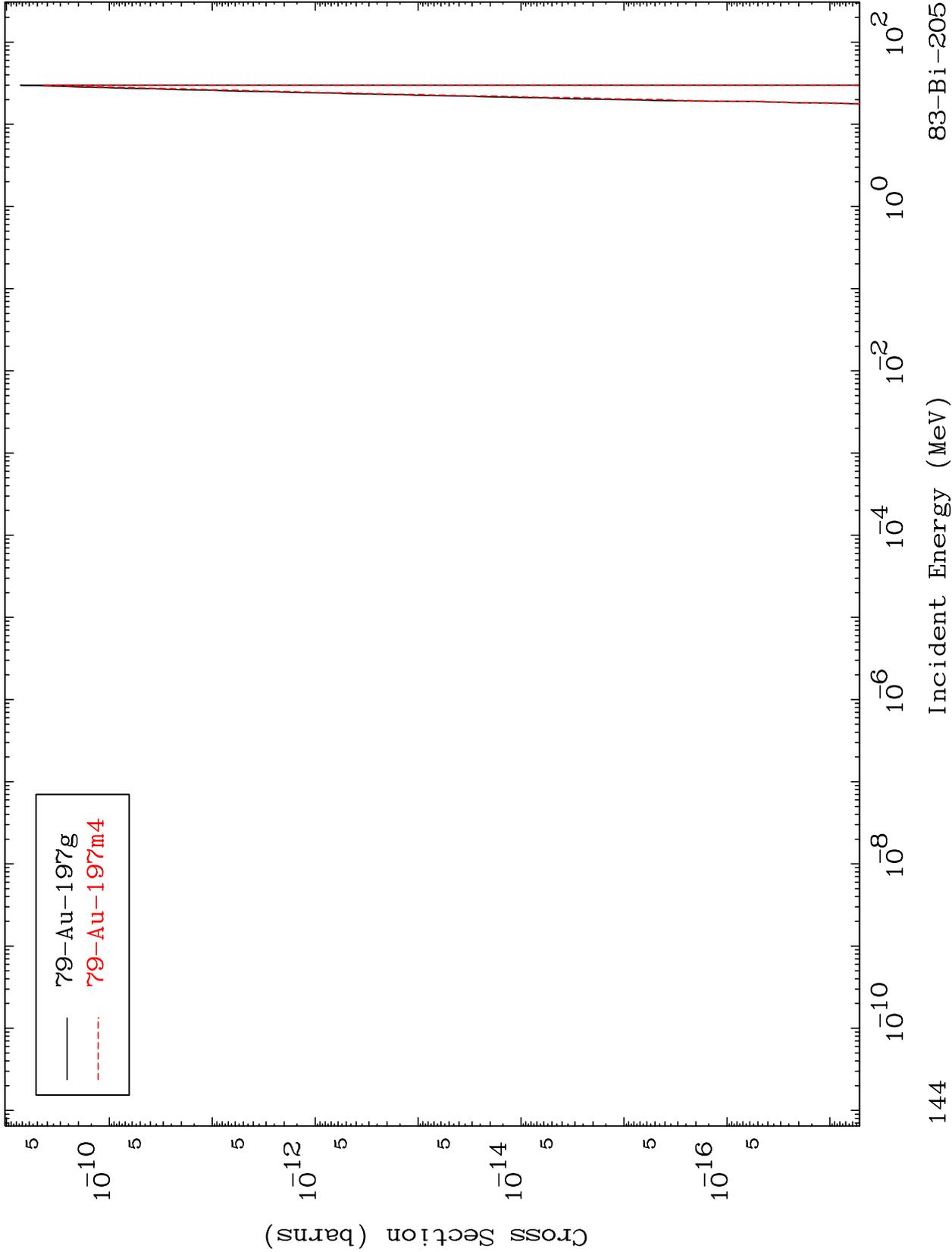
83-Bi-205

MAT 8313

(n,n') 2α

83-Bi-205

Radionuclide Production Cross Section



144

Incident Energy (MeV)

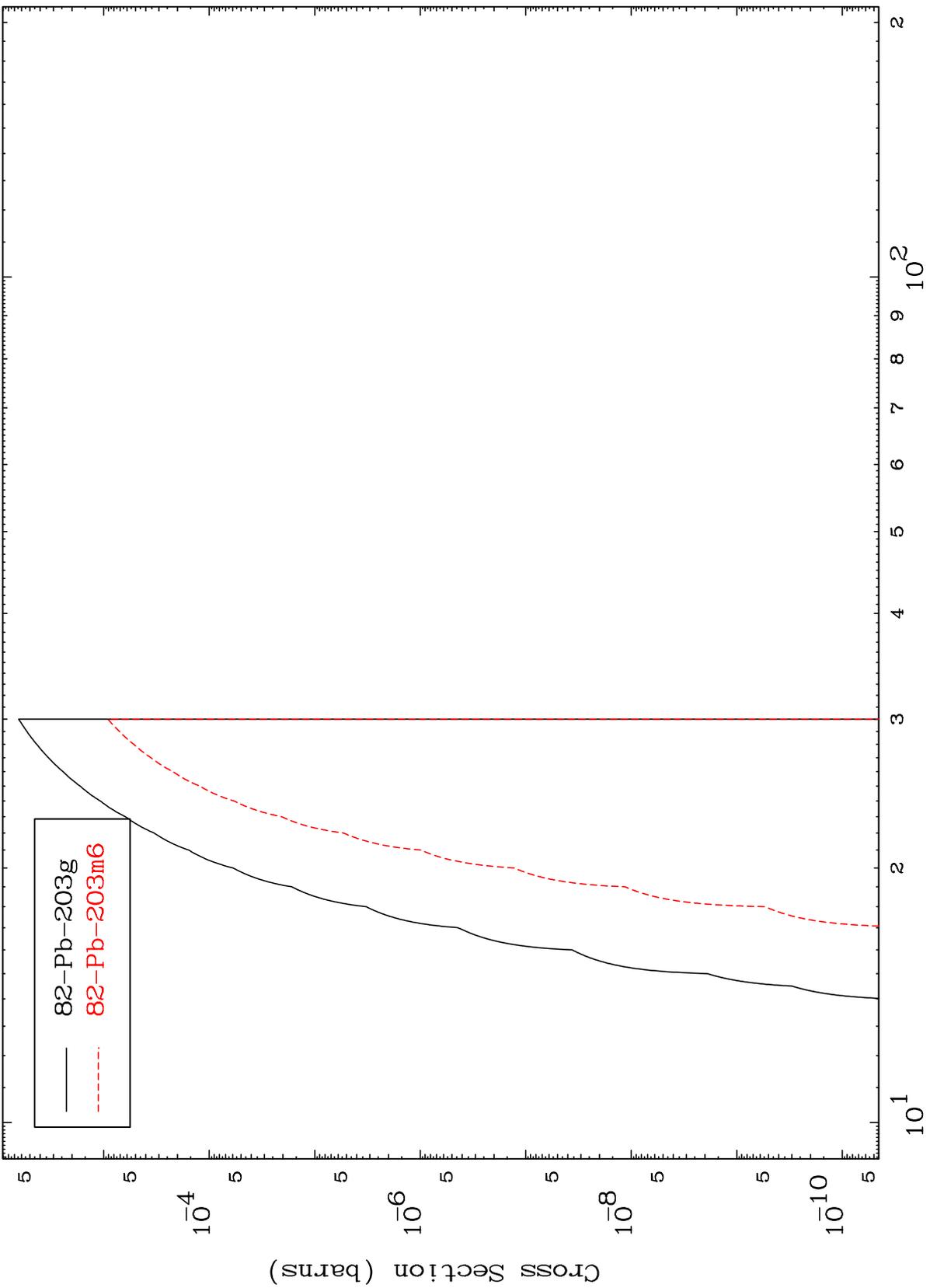
83-Bi-205

MAT 8313

(n,n') d

83-Bi-205

Radionuclide Production Cross Section



145

Incident Energy (MeV)

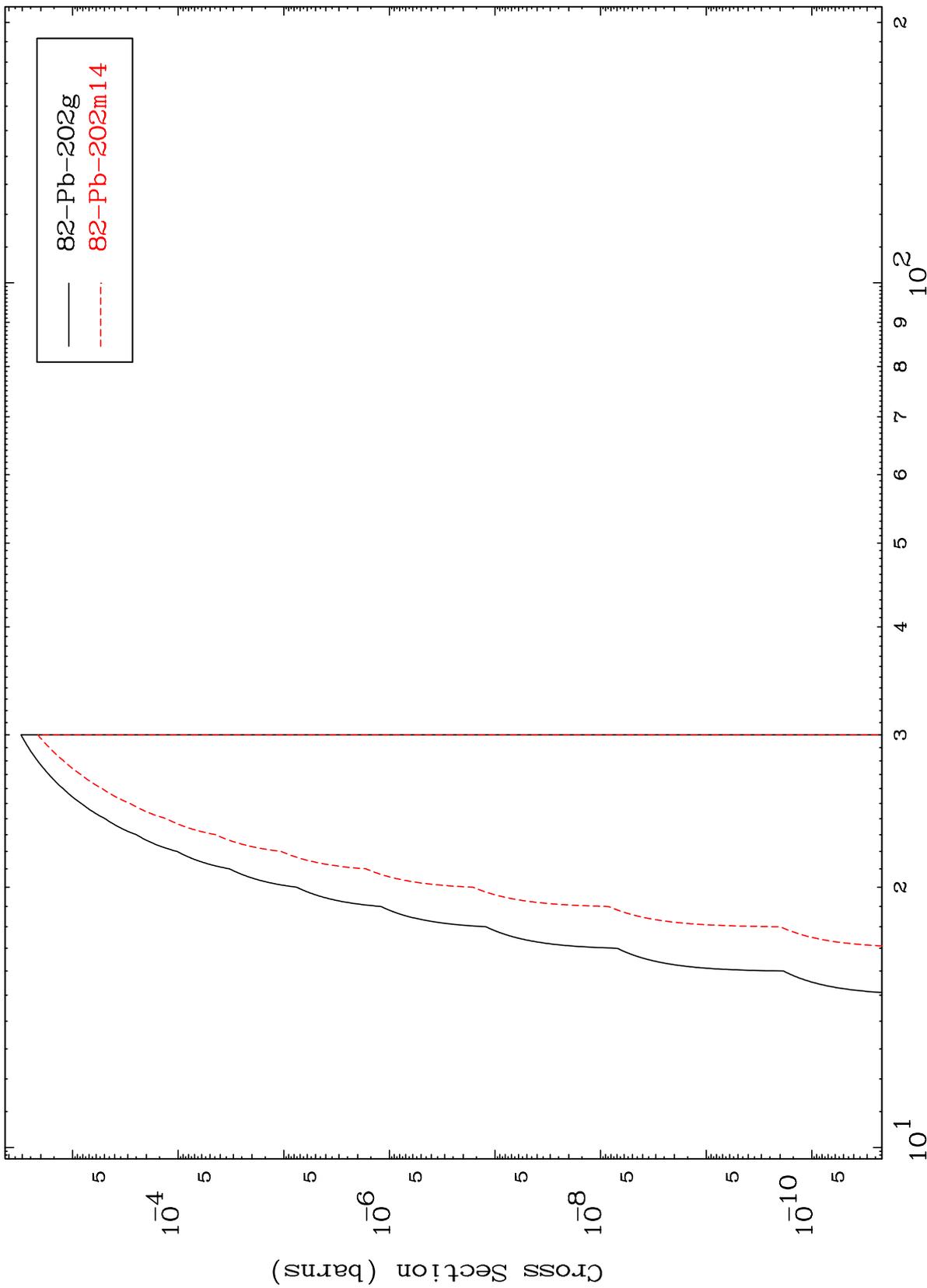
83-Bi-205

MAT 8313

(n,n') t

83-Bi-205

Radionuclide Production Cross Section



146

Incident Energy (MeV)

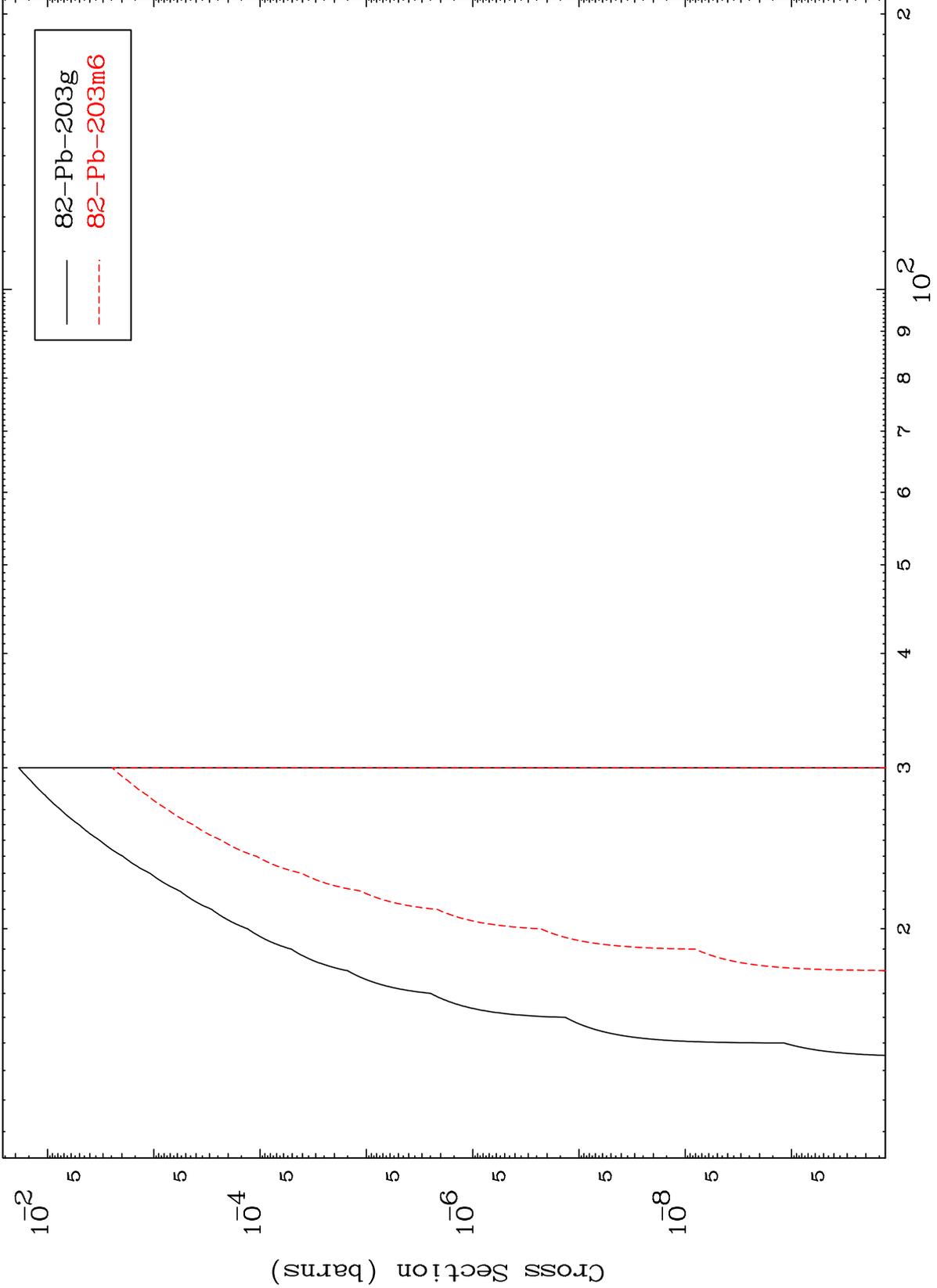
83-Bi-205

MAT 8313

(n,2n) p

83-Bi-205

Radionuclide Production Cross Section



82-Pb-203g
82-Pb-203m6

147

Incident Energy (MeV)

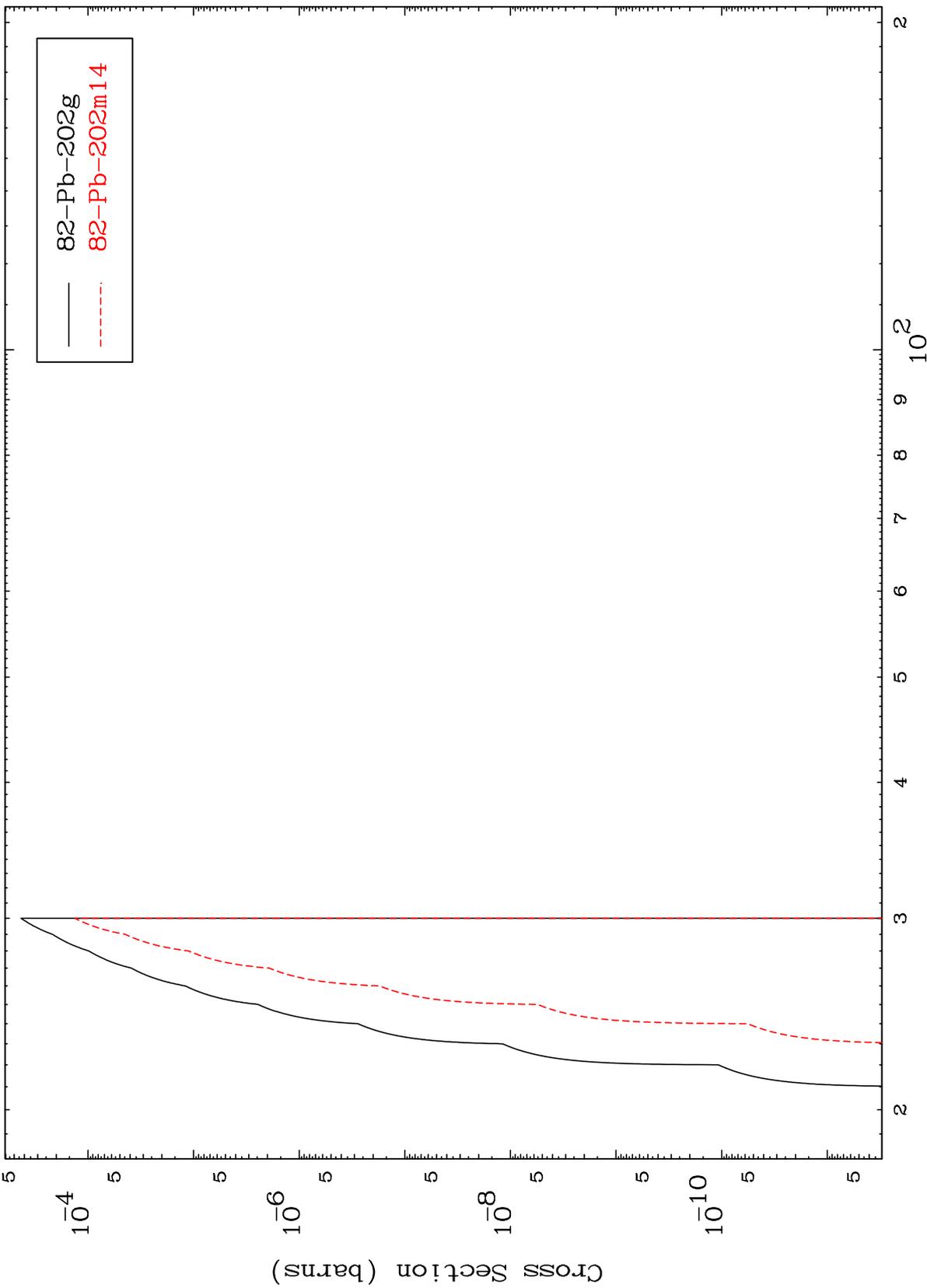
83-Bi-205

MAT 8313

(n,3n) p

83-Bi-205

Radionuclide Production Cross Section



148

Incident Energy (MeV)

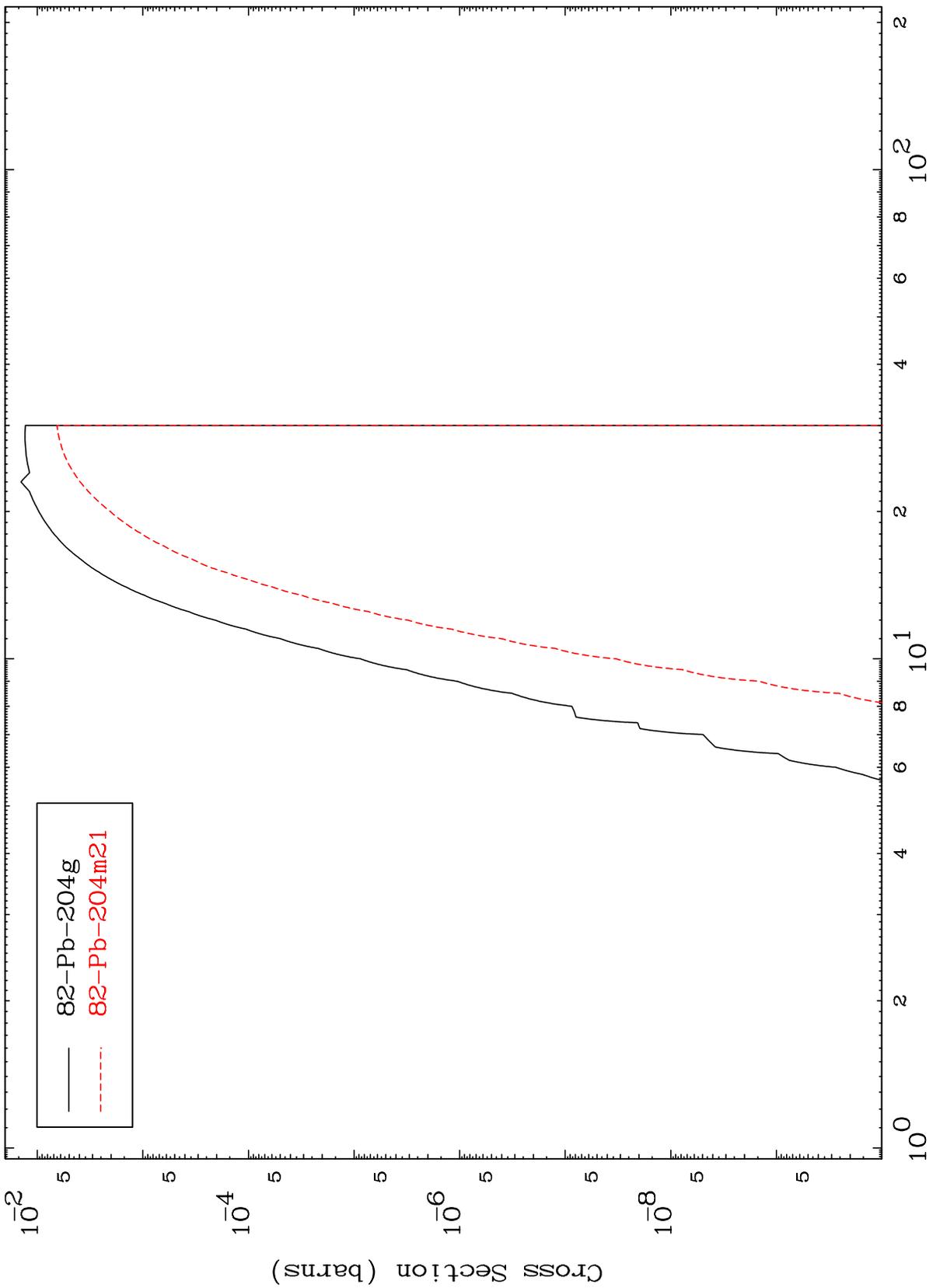
83-Bi-205

MAT 8313

(n,d)

83-Bi-205

Radionuclide Production Cross Section



Incident Energy (MeV)

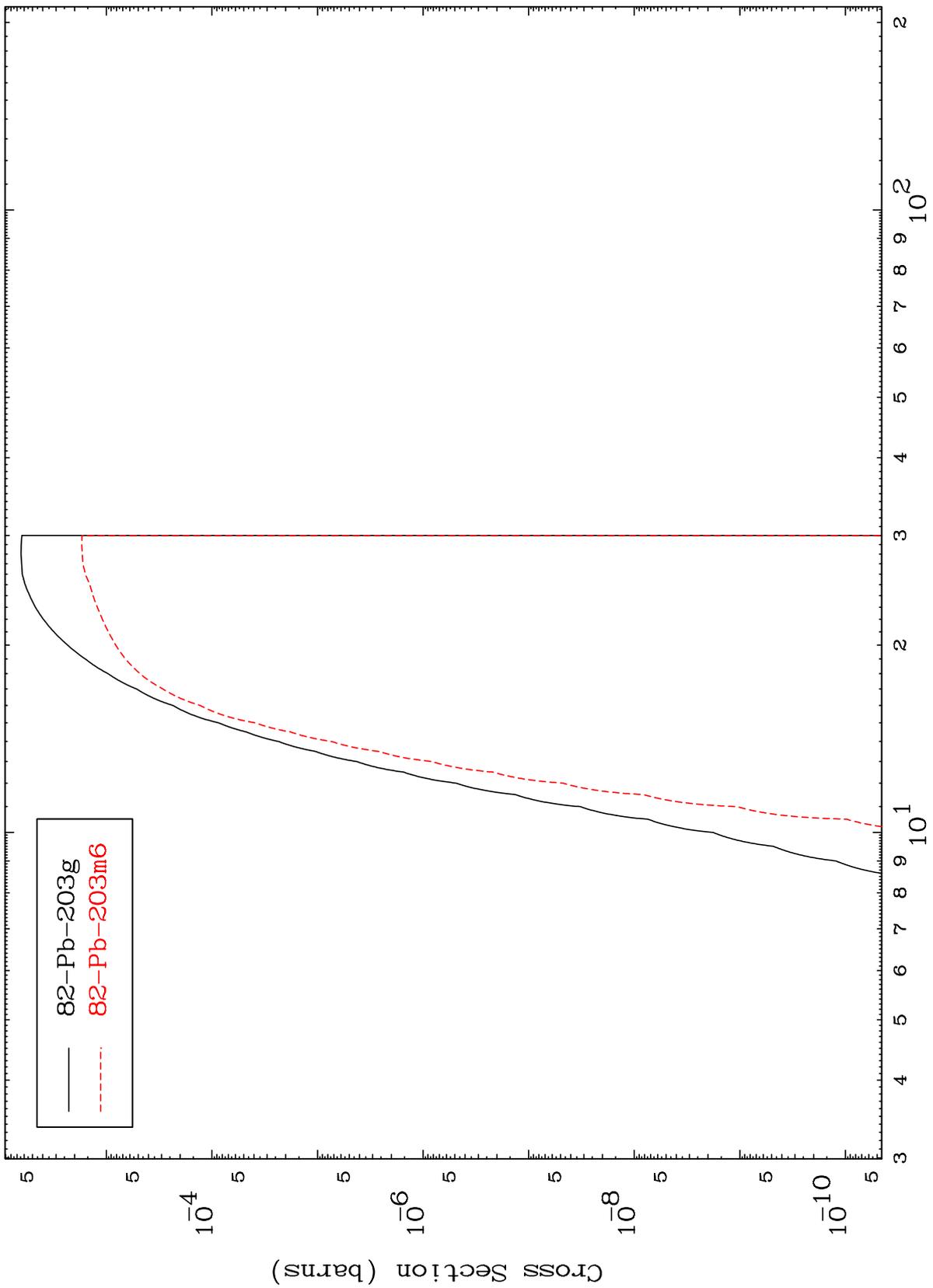
83-Bi-205

149

MAT 8313

83-Bi-205

(n, t)
Radionuclide Production Cross Section



150

Incident Energy (MeV)

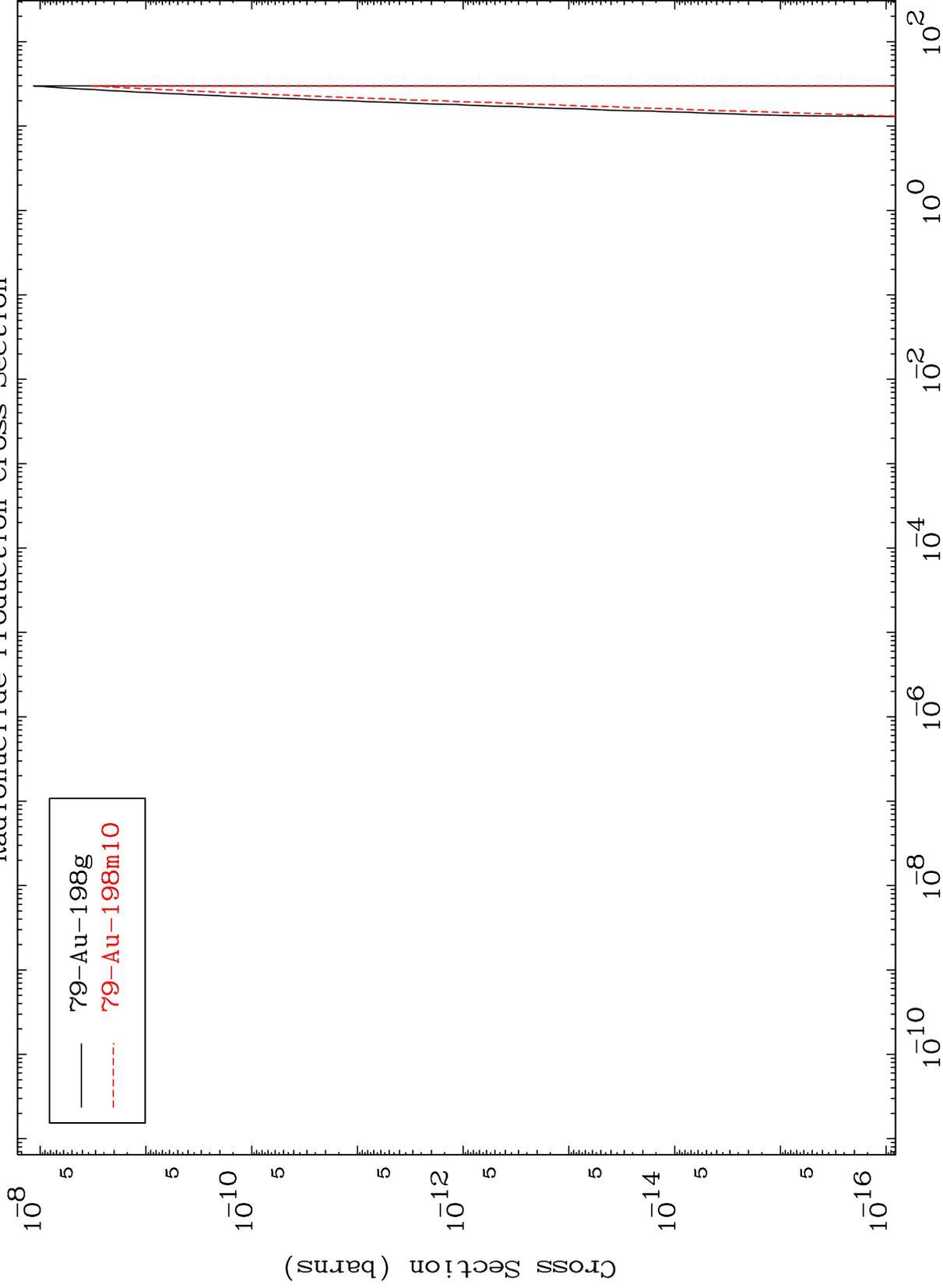
83-Bi-205

MAT 8313

(n,2α)

83-Bi-205

Radionuclide Production Cross Section



151

Incident Energy (MeV)

83-Bi-205