

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

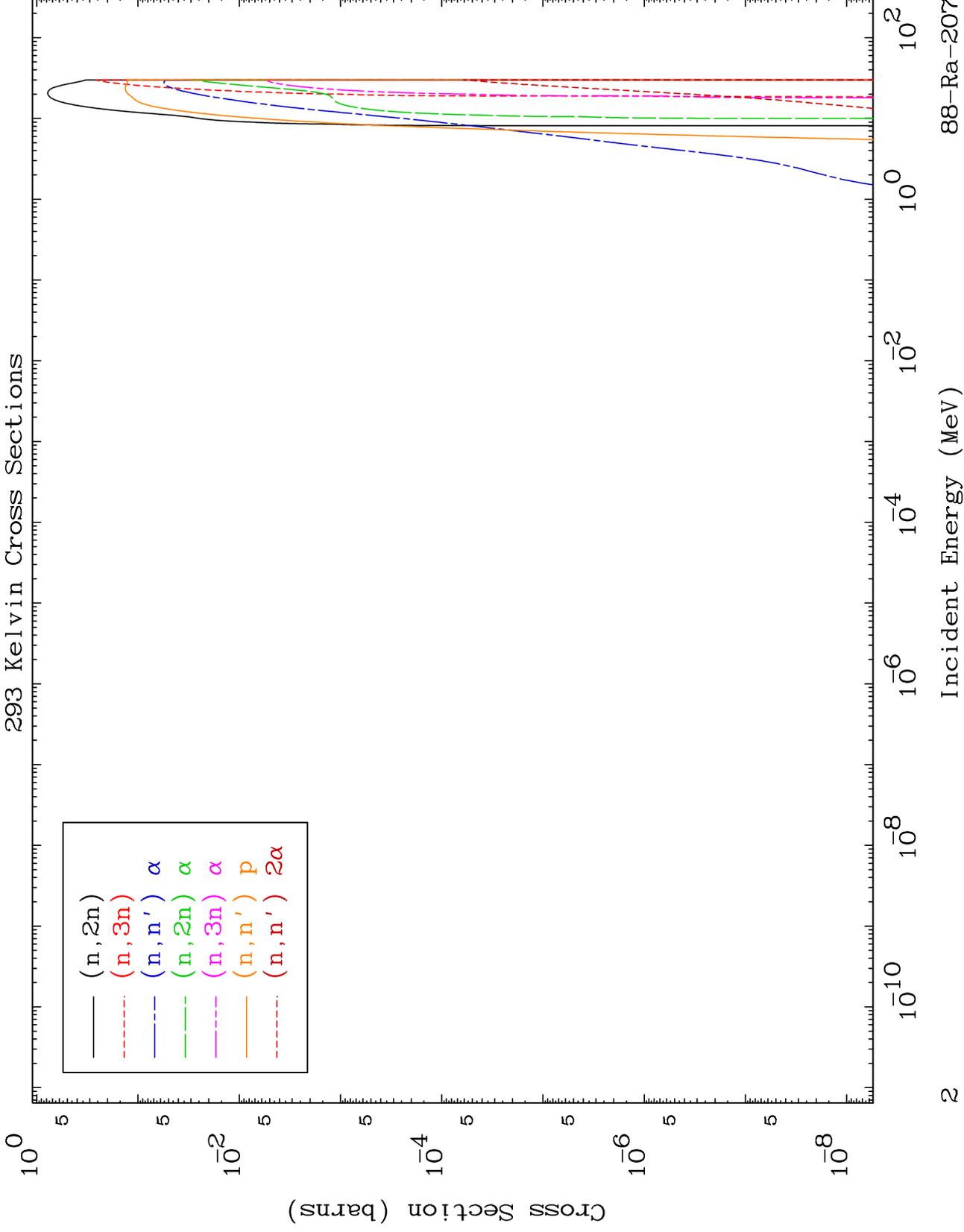
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8777

Neutron Production
293 Kelvin Cross Sections

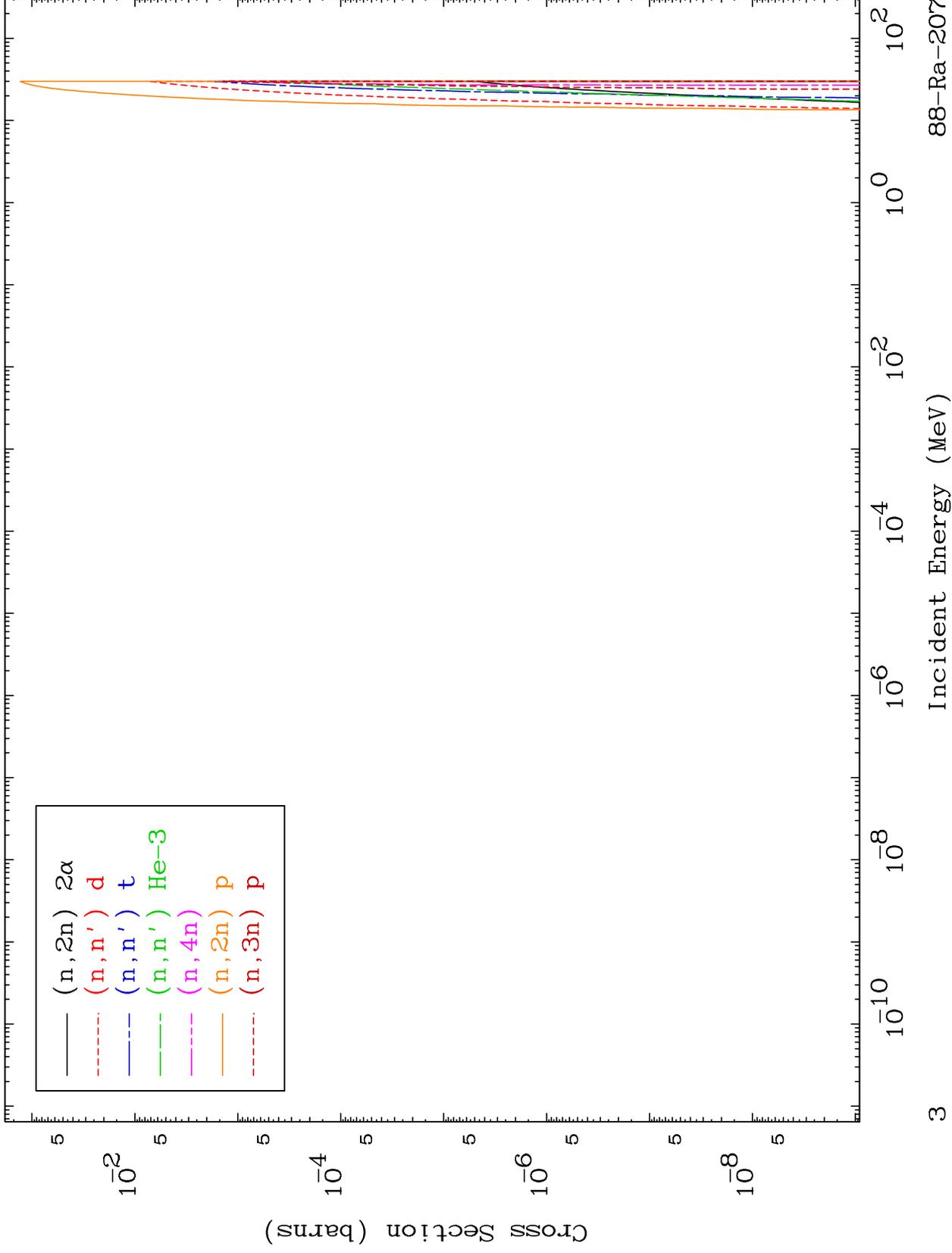
88-Ra-207



MAT 8777

Neutron Production
293 Kelvin Cross Sections

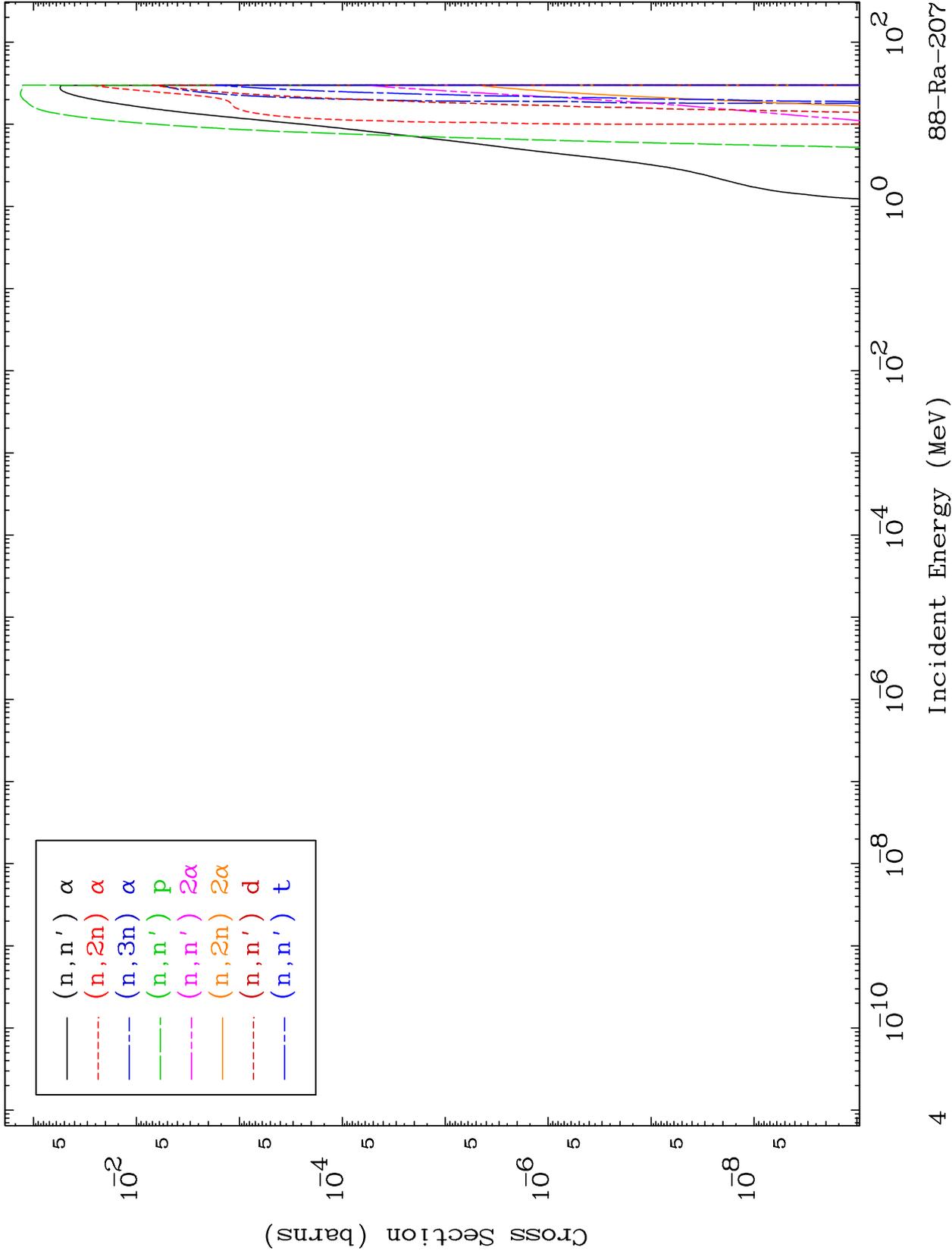
88-Ra-207



MAT 8777

Charged Particle
293 Kelvin Cross Sections

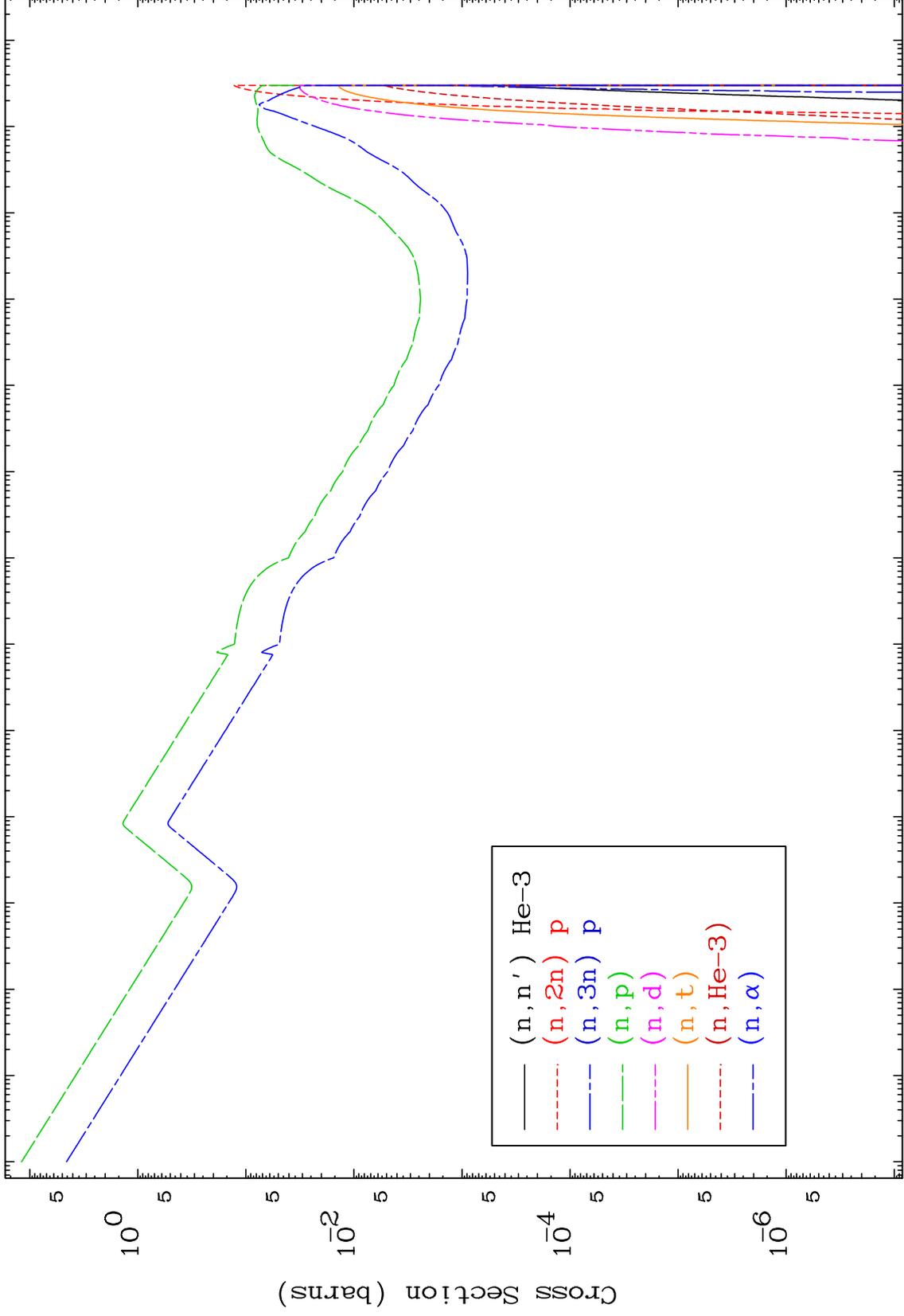
88-Ra-207



MAT 8777

Charged Particle
293 Kelvin Cross Sections

88-Ra-207



5

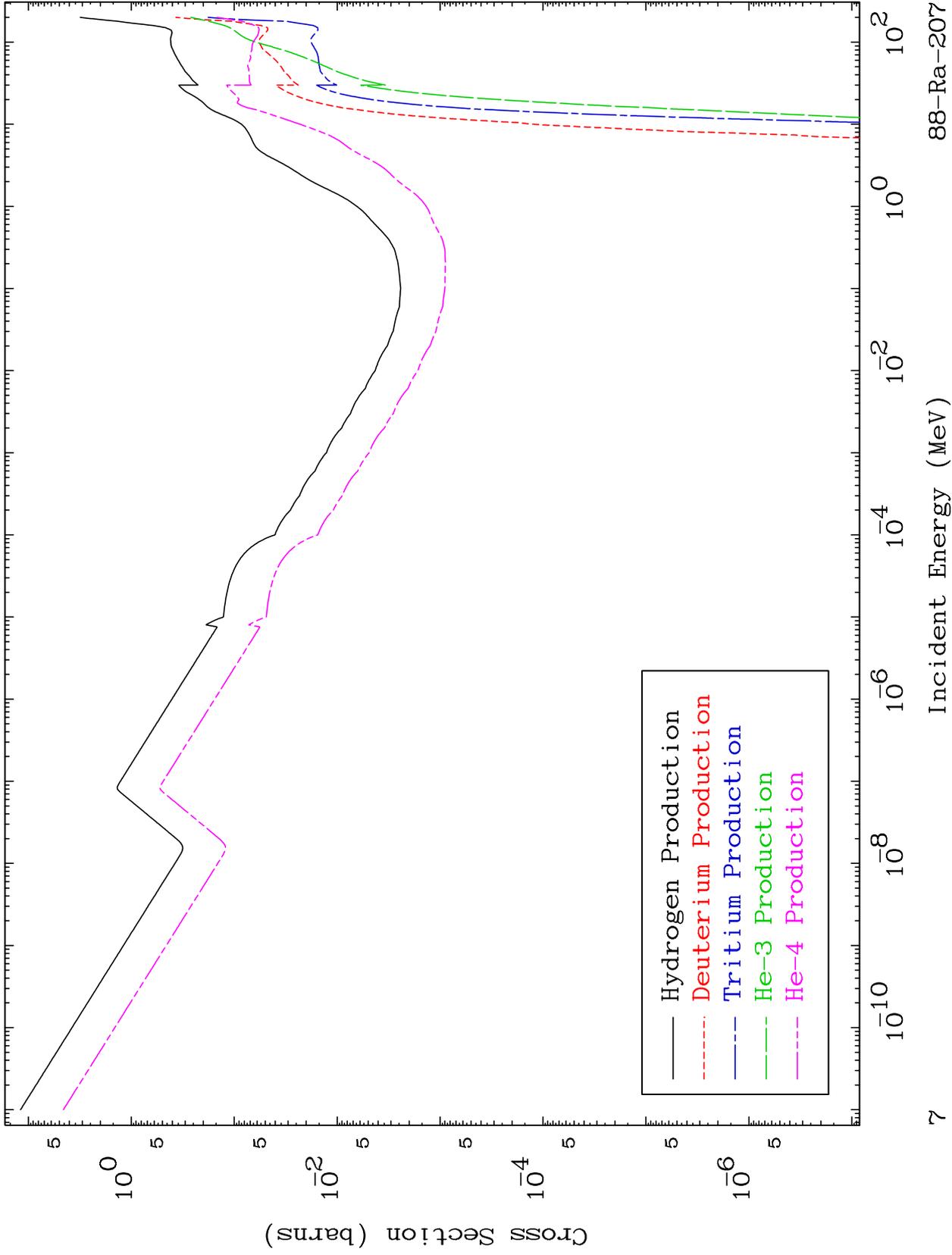
Incident Energy (MeV)

88-Ra-207

MAT 8777

Particle Production
293 Kelvin Cross Sections

88-Ra-207

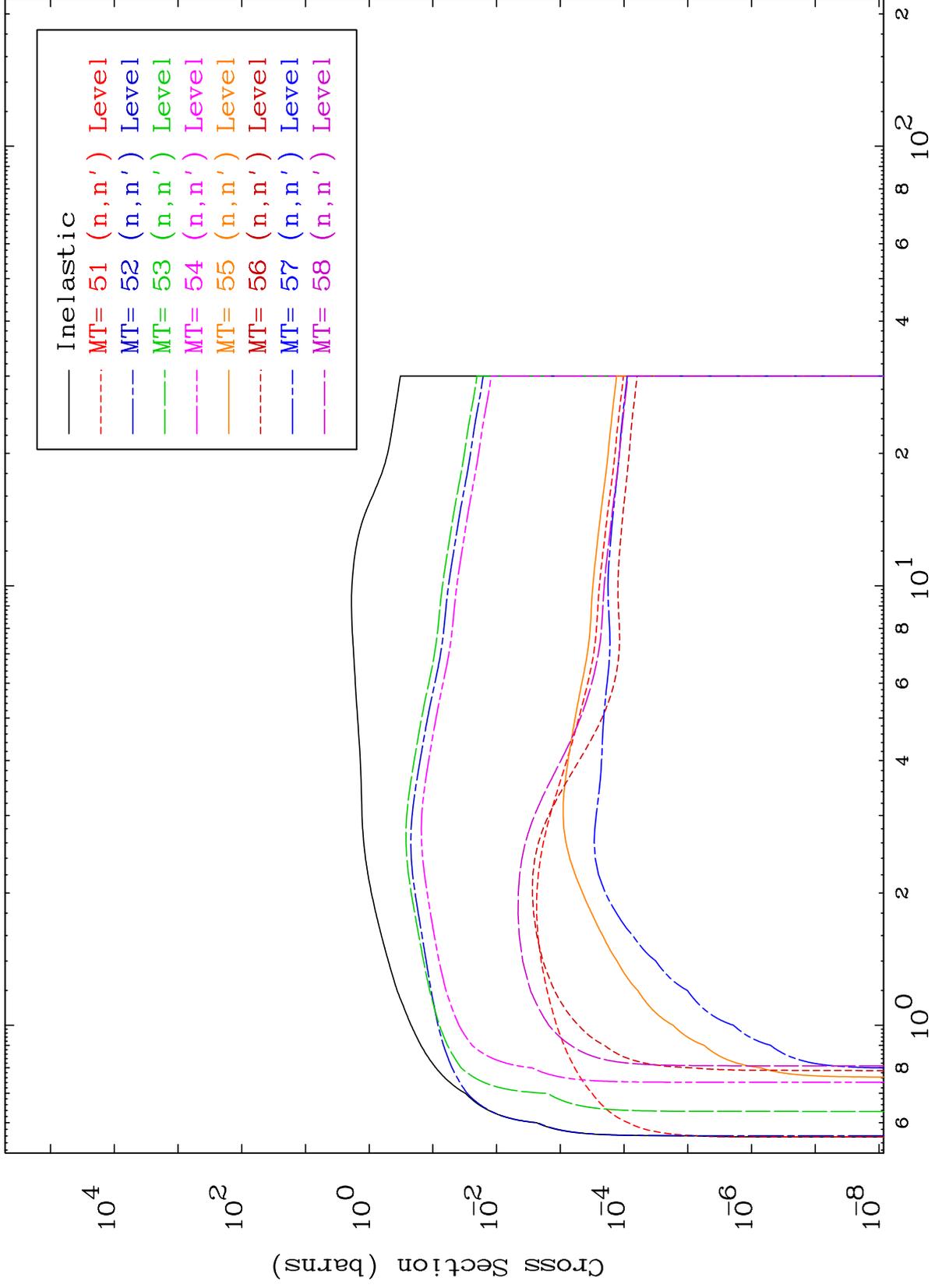


MAT 8777

(n,n') Level

88-Ra-207

293 Kelvin Cross Sections



8

Incident Energy (MeV)

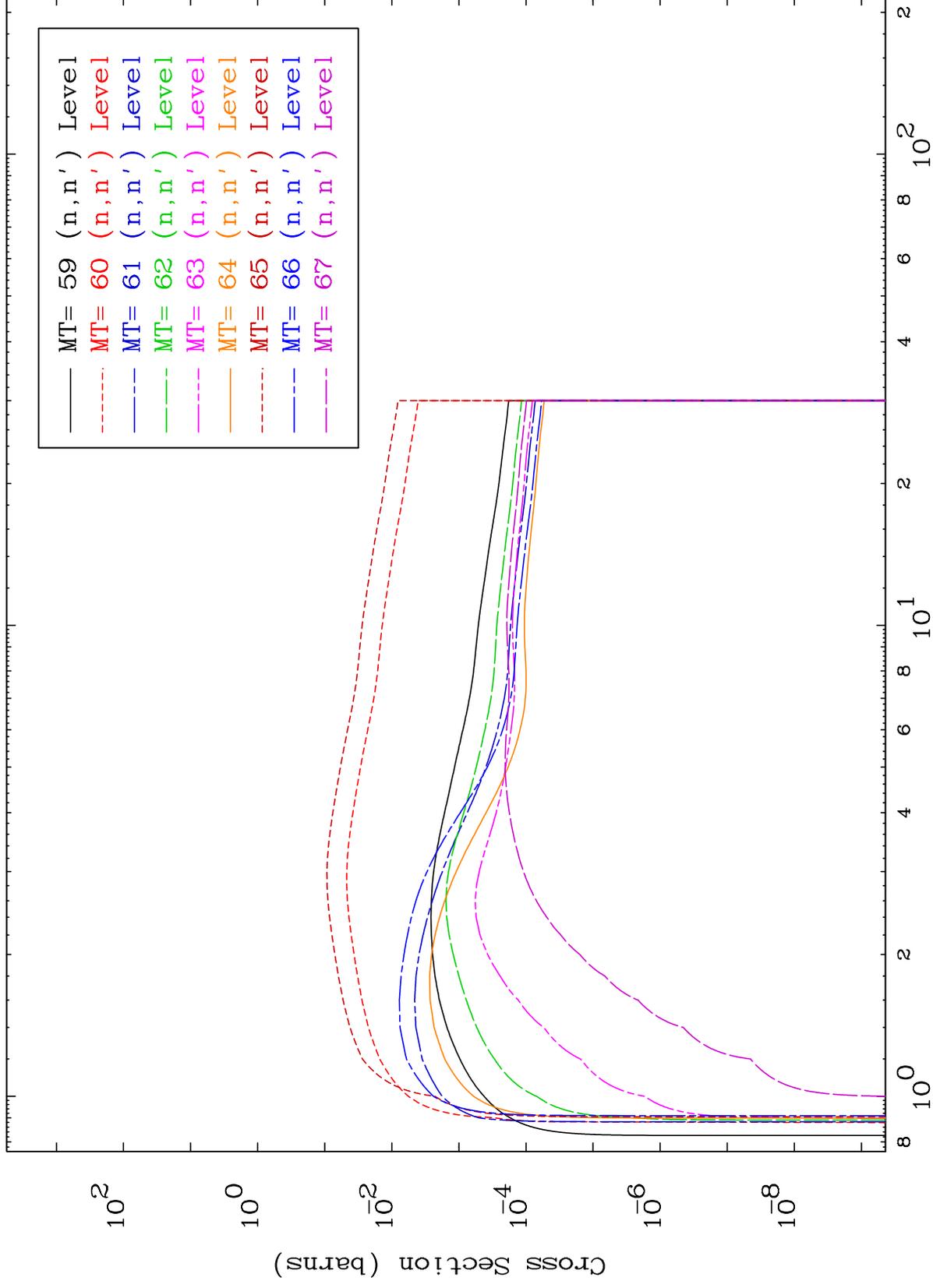
88-Ra-207

MAT 8777

(n,n') Level

293 Kelvin Cross Sections

88-Ra-207



Incident Energy (MeV)

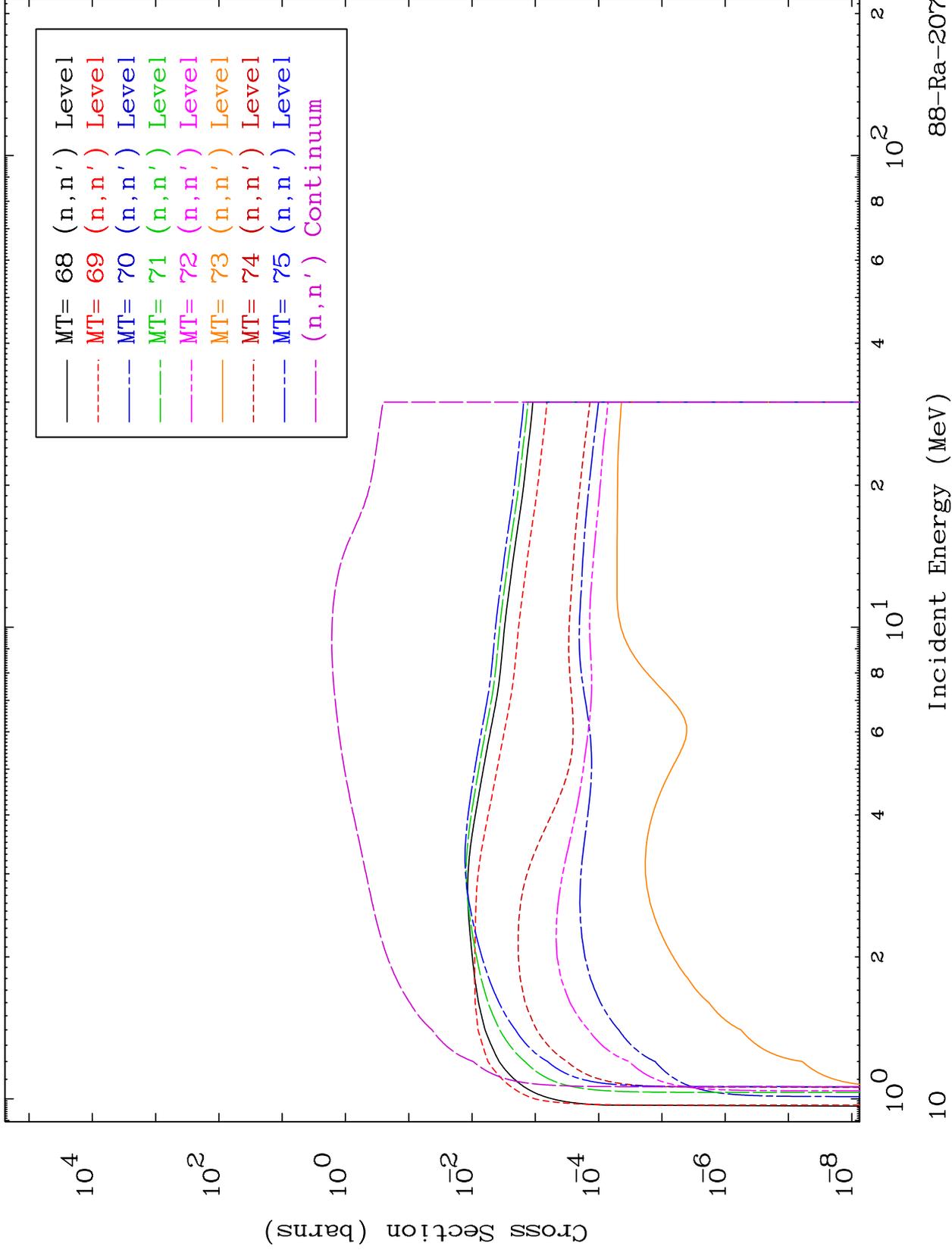
88-Ra-207

MAT 8777

(n,n') Level

88-Ra-207

293 Kelvin Cross Sections



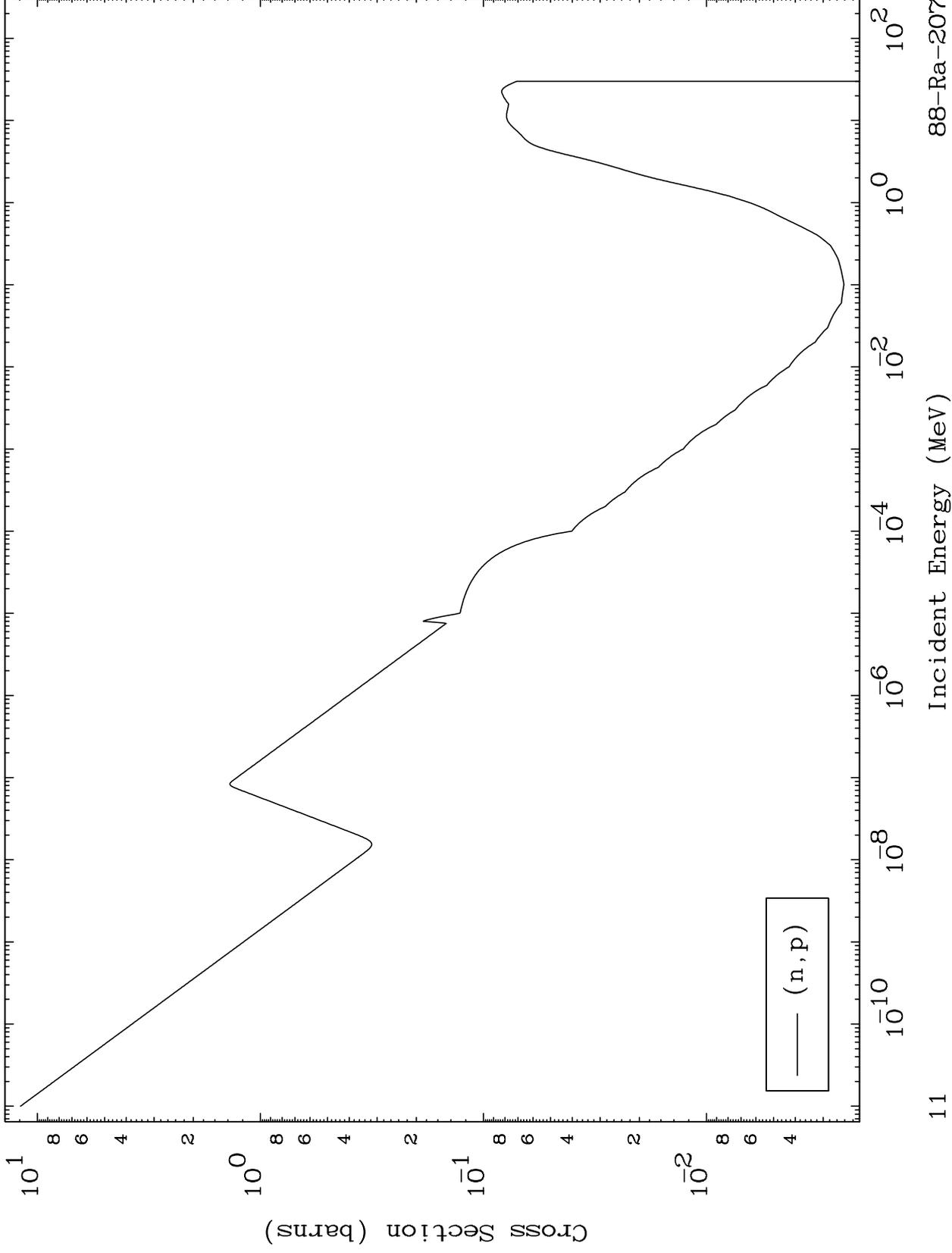
Incident Energy (MeV)

88-Ra-207

MAT 8777

(n,p) Levels
293 Kelvin Cross Sections

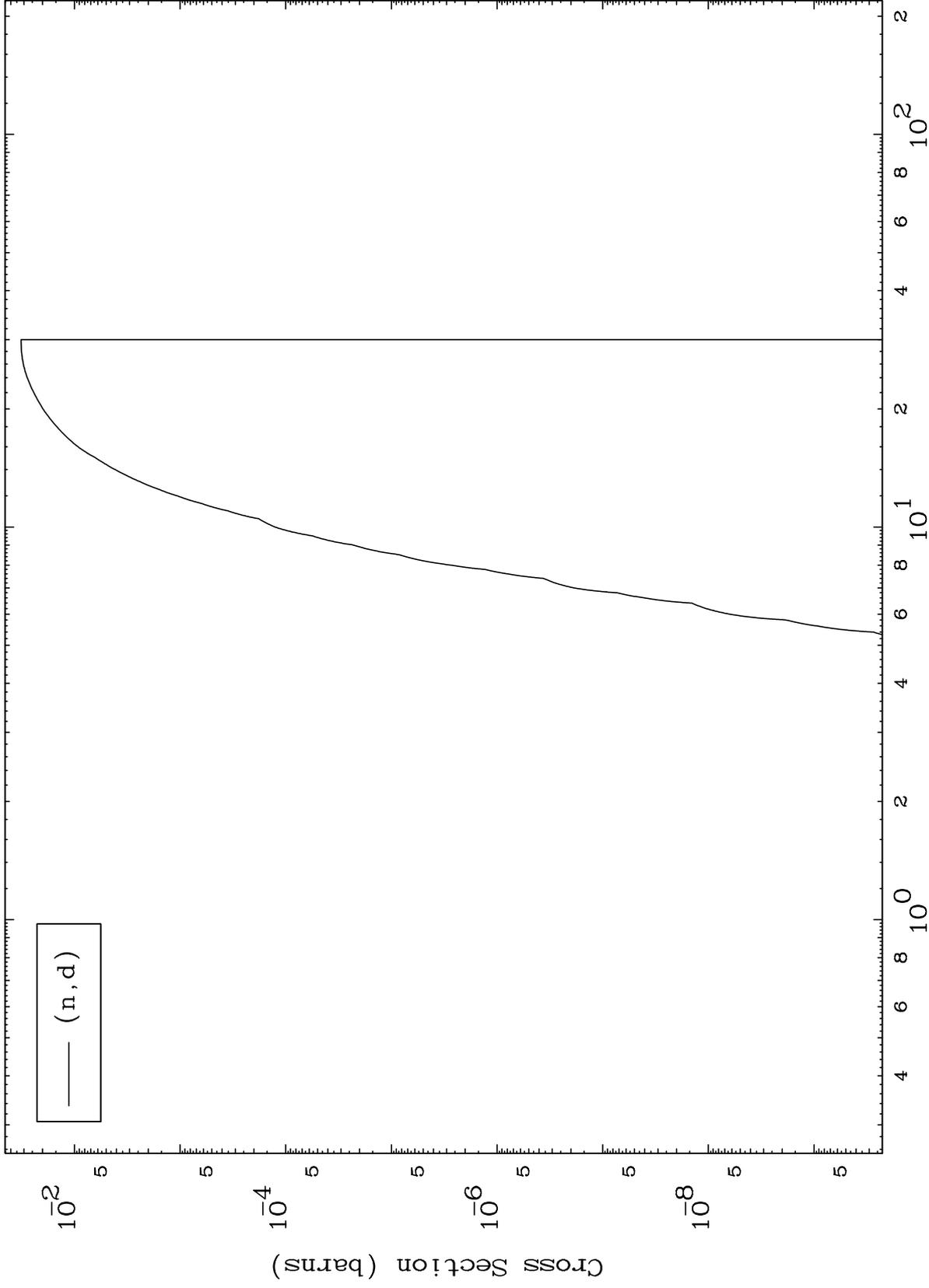
88-Ra-207



MAT 8777

(n,d) Levels
293 Kelvin Cross Sections

88-Ra-207



12

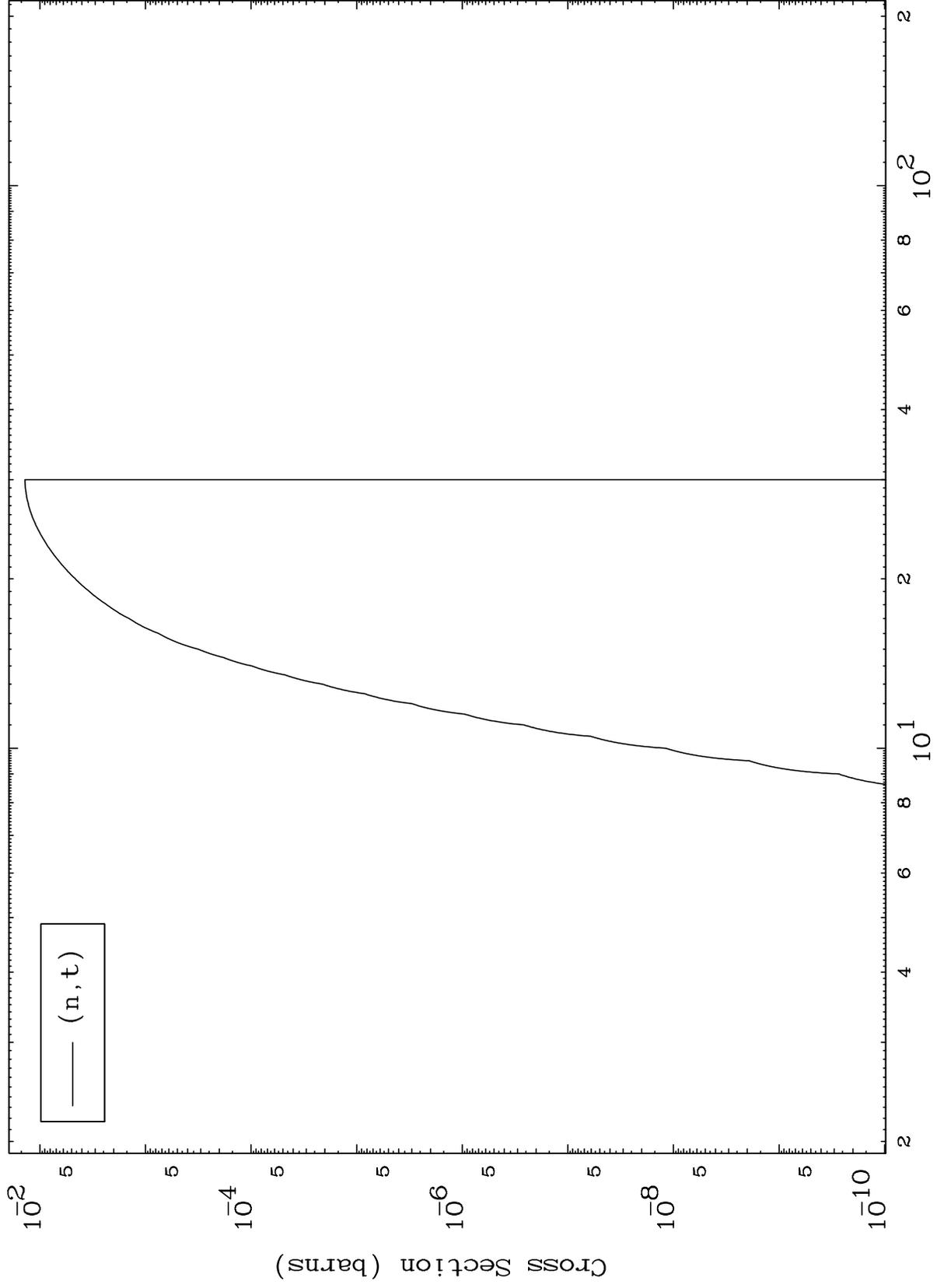
Incident Energy (MeV)

88-Ra-207

MAT 8777

(n,t) Levels
293 Kelvin Cross Sections

88-Ra-207



13

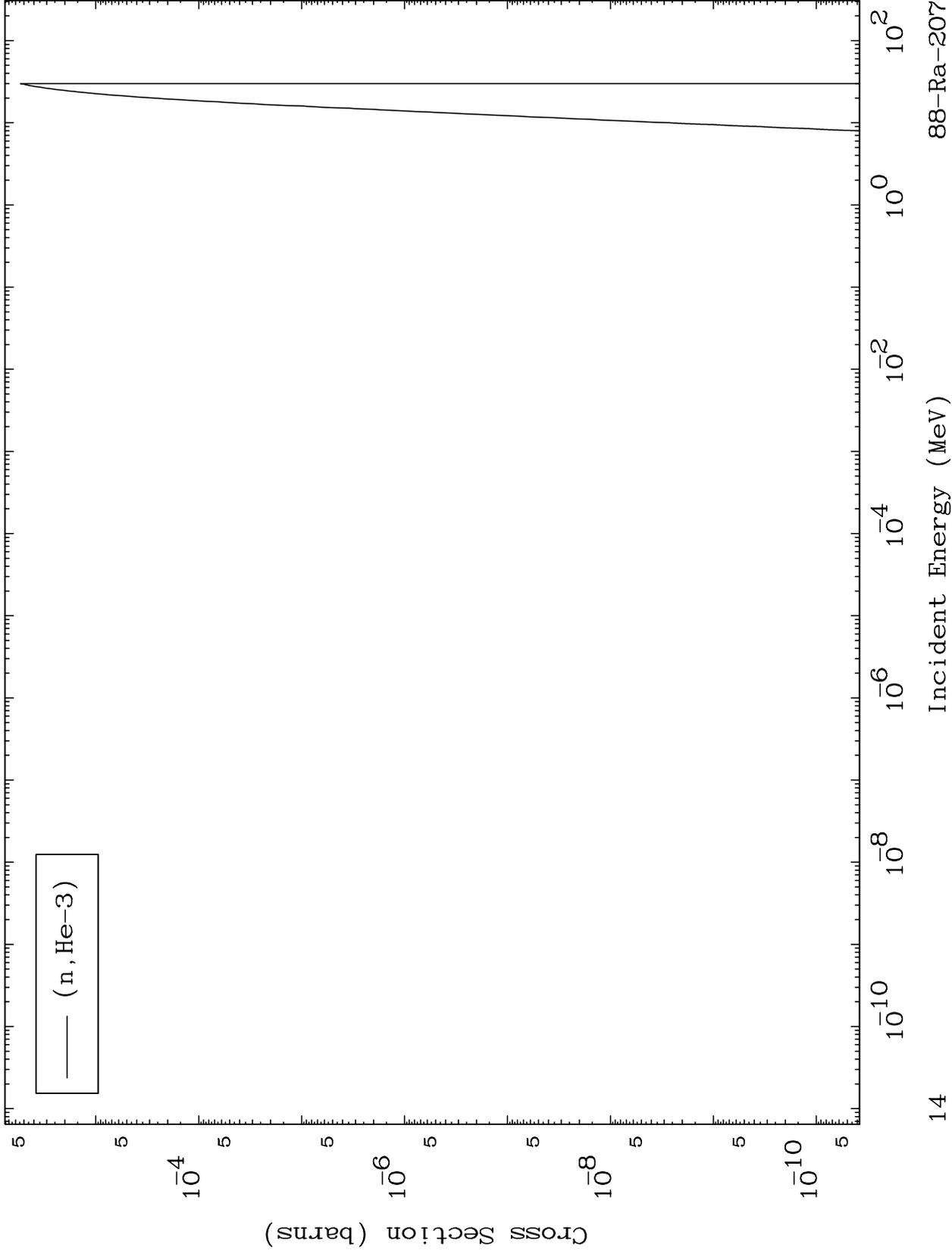
Incident Energy (MeV)

88-Ra-207

MAT 8777

(n,He3) Levels
293 Kelvin Cross Sections

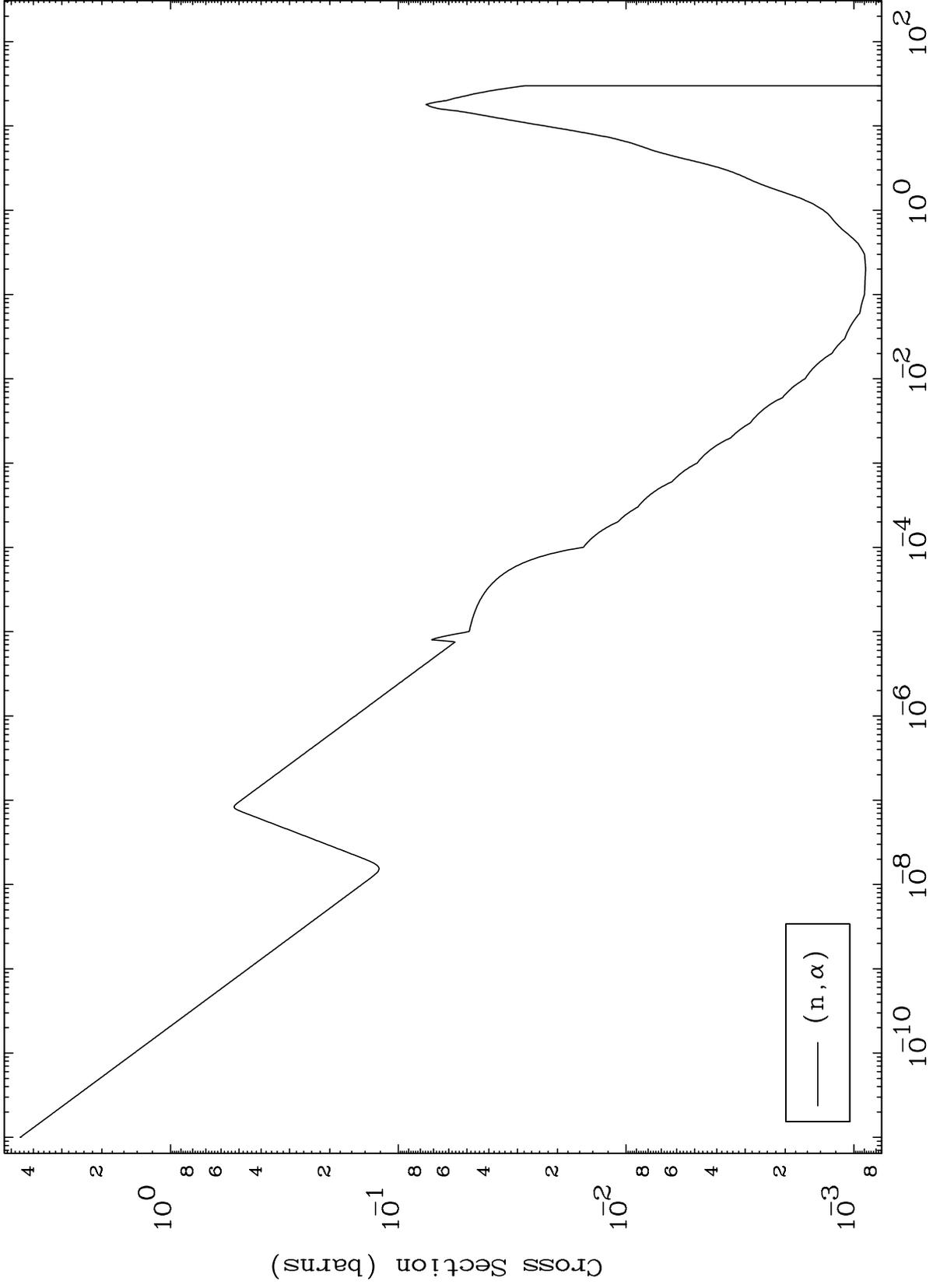
88-Ra-207



MAT 8777

(n,α) Levels
293 Kelvin Cross Sections

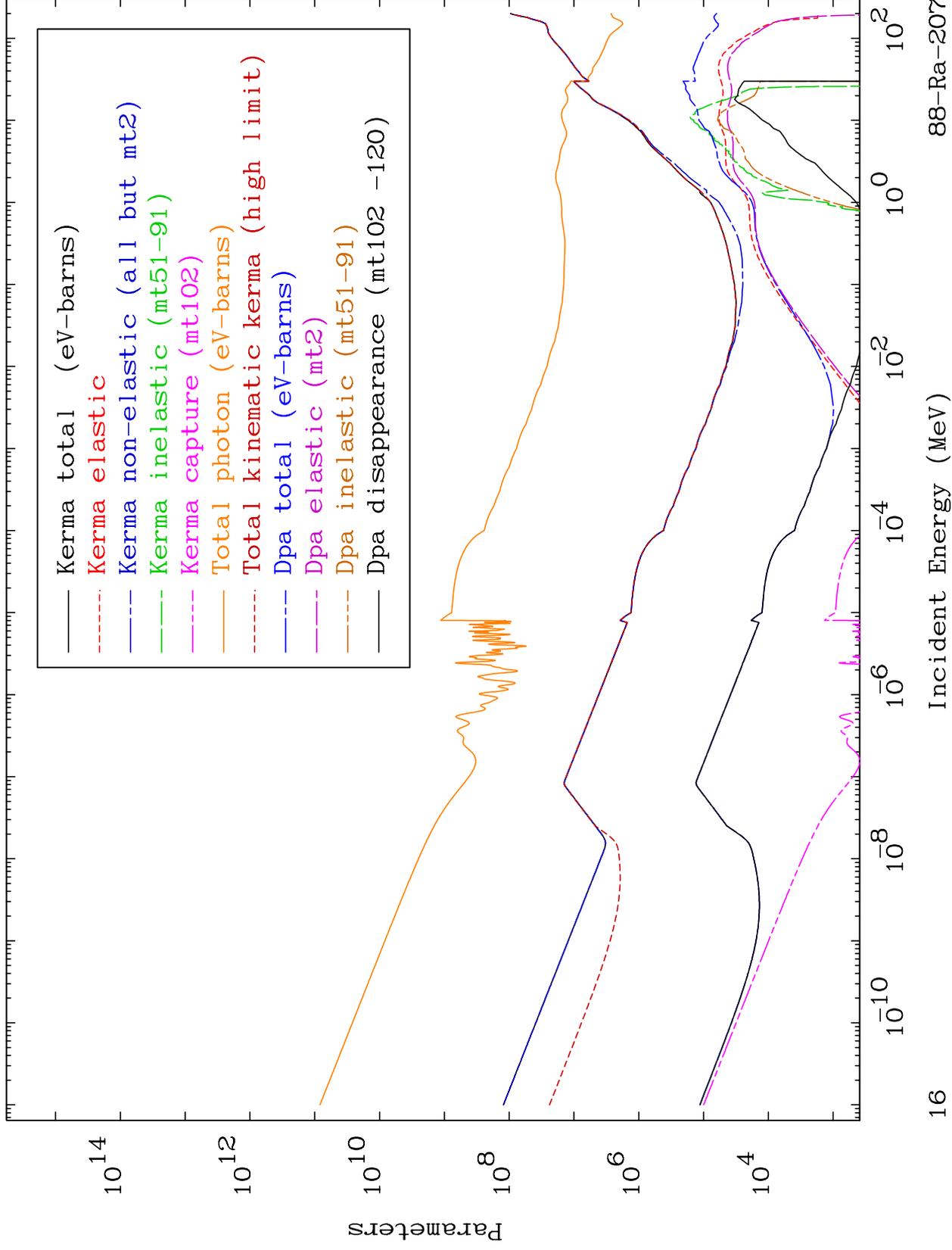
88-Ra-207



15

Incident Energy (MeV)

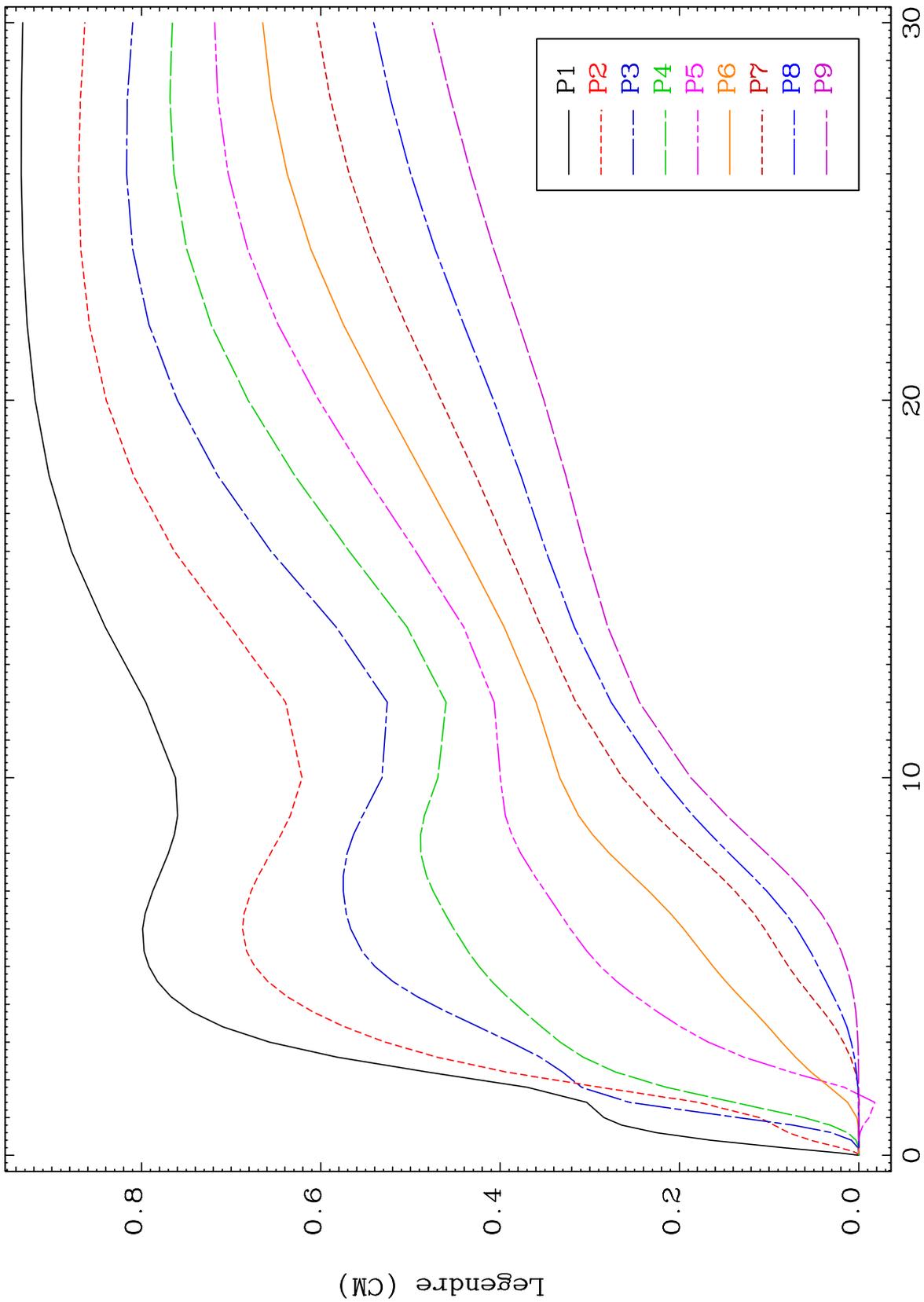
88-Ra-207



MAT 8777

Elastic Legendre Coefficients

88-Ra-207



17

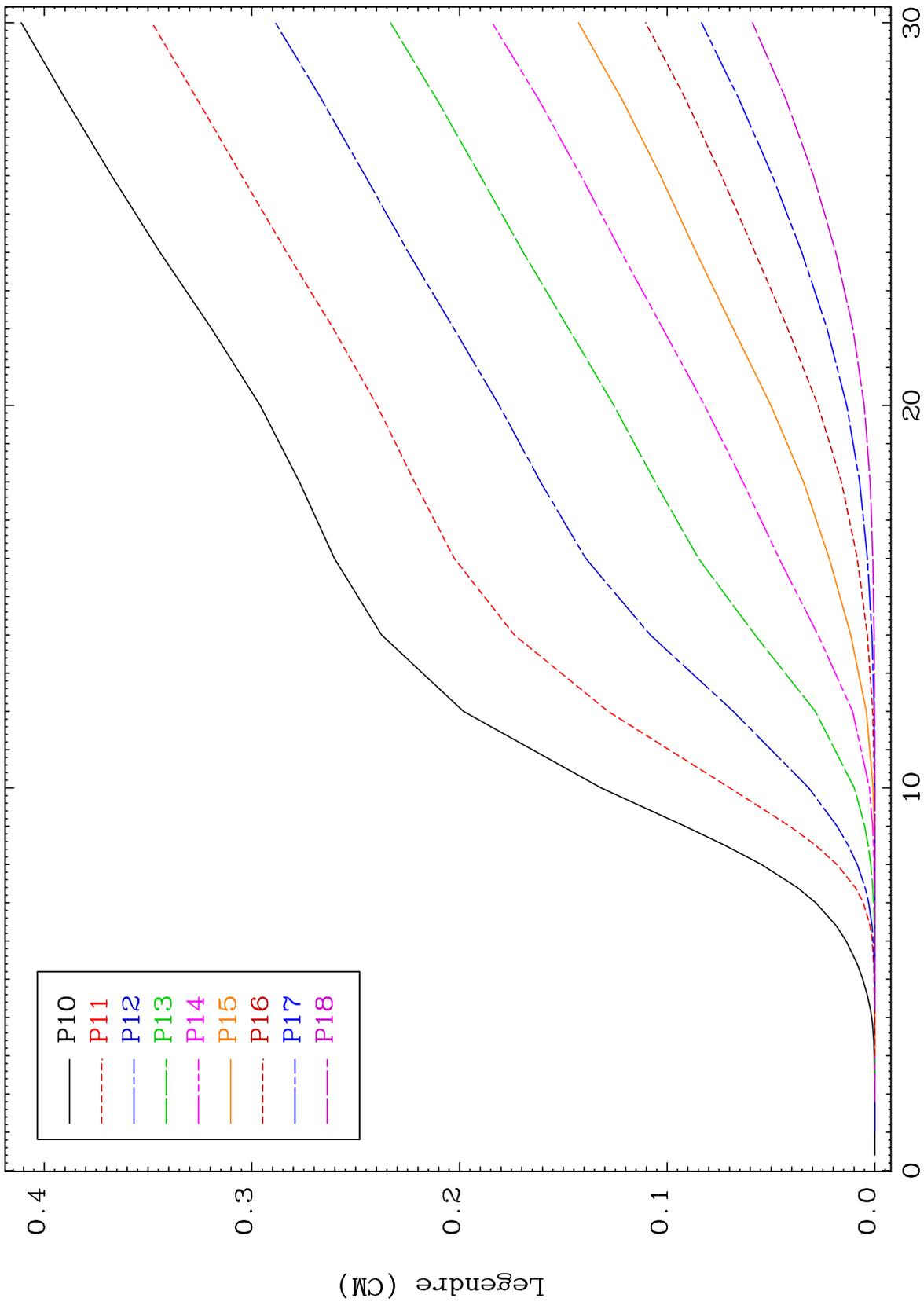
Incident Energy (MeV)

88-Ra-207

MAT 8777

Elastic Legendre Coefficients

88-Ra-207



18

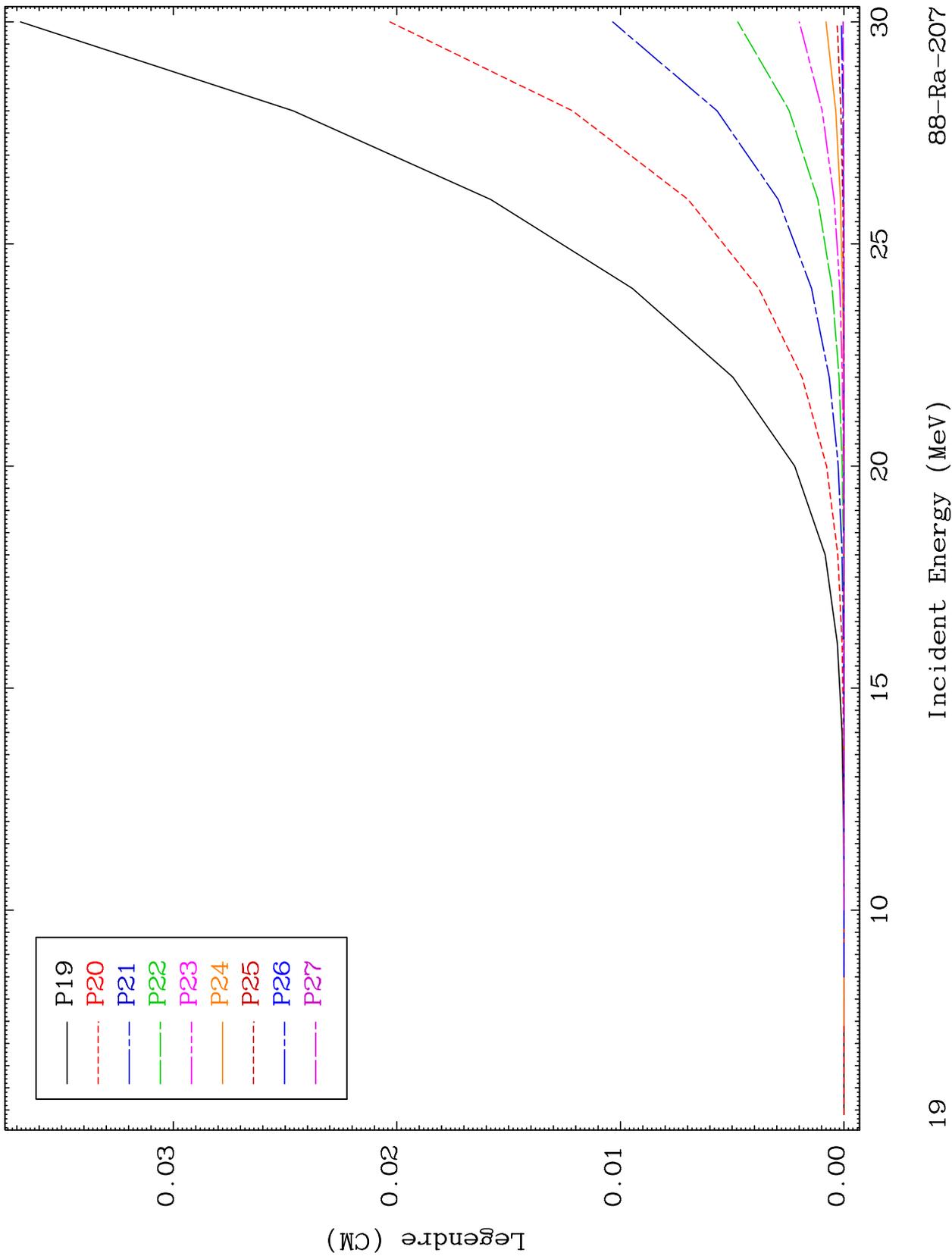
Incident Energy (MeV)

88-Ra-207

MAT 8777

Elastic Legendre Coefficients

88-Ra-207



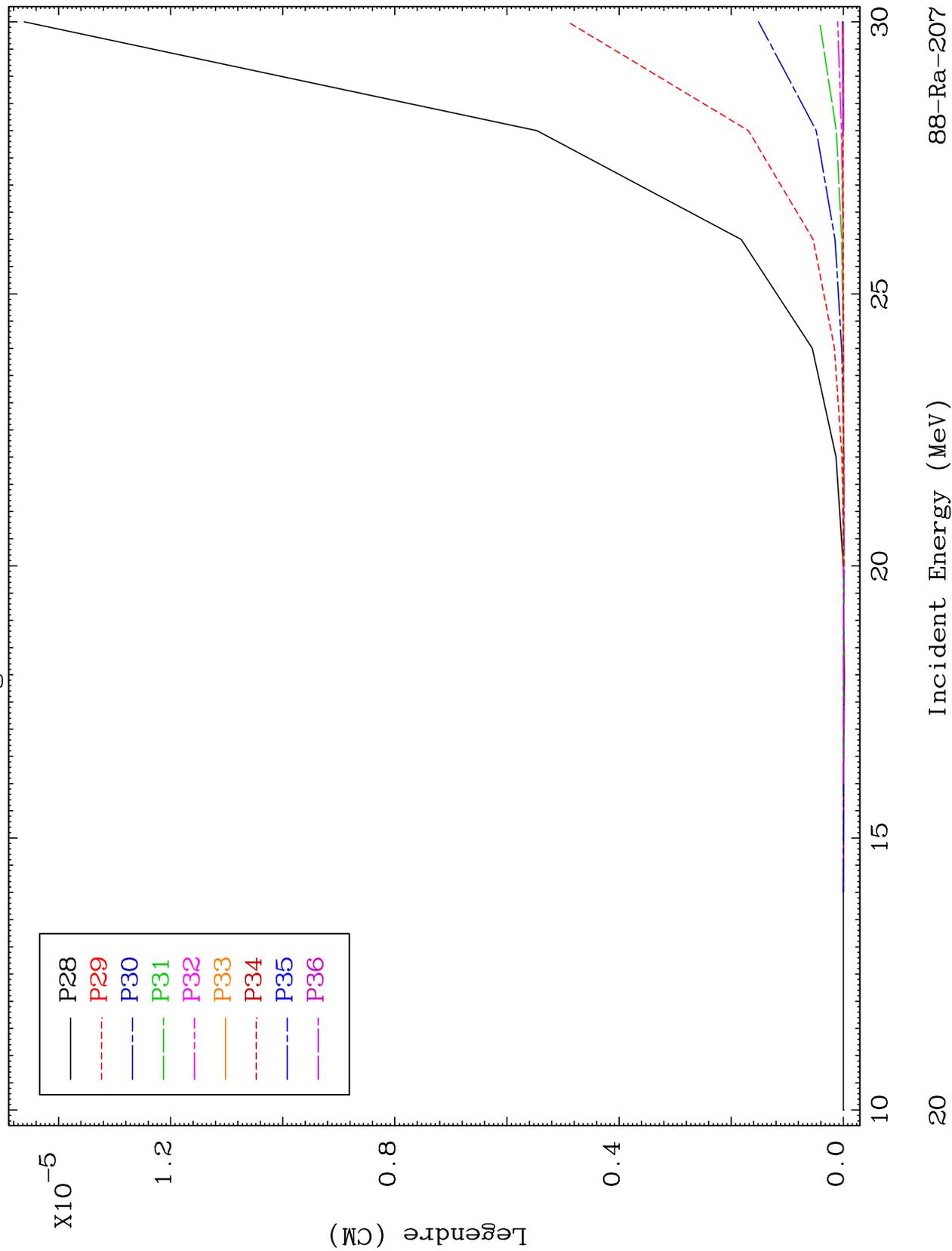
19

88-Ra-207

MAT 8777

Elastic Legendre Coefficients

88-Ra-207



88-Ra-207

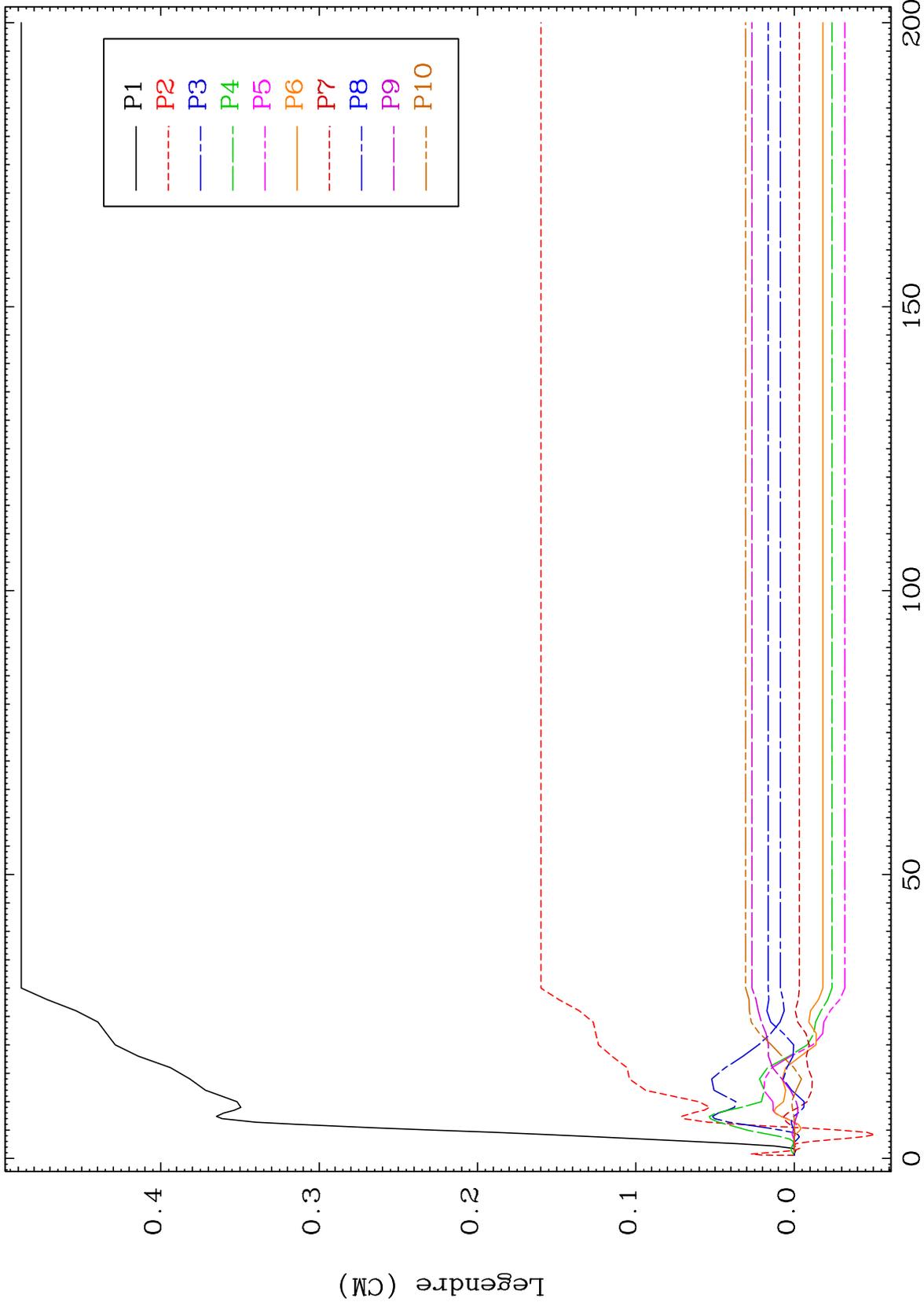
Incident Energy (MeV)

20

MAT 8777

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

88-Ra-207



21

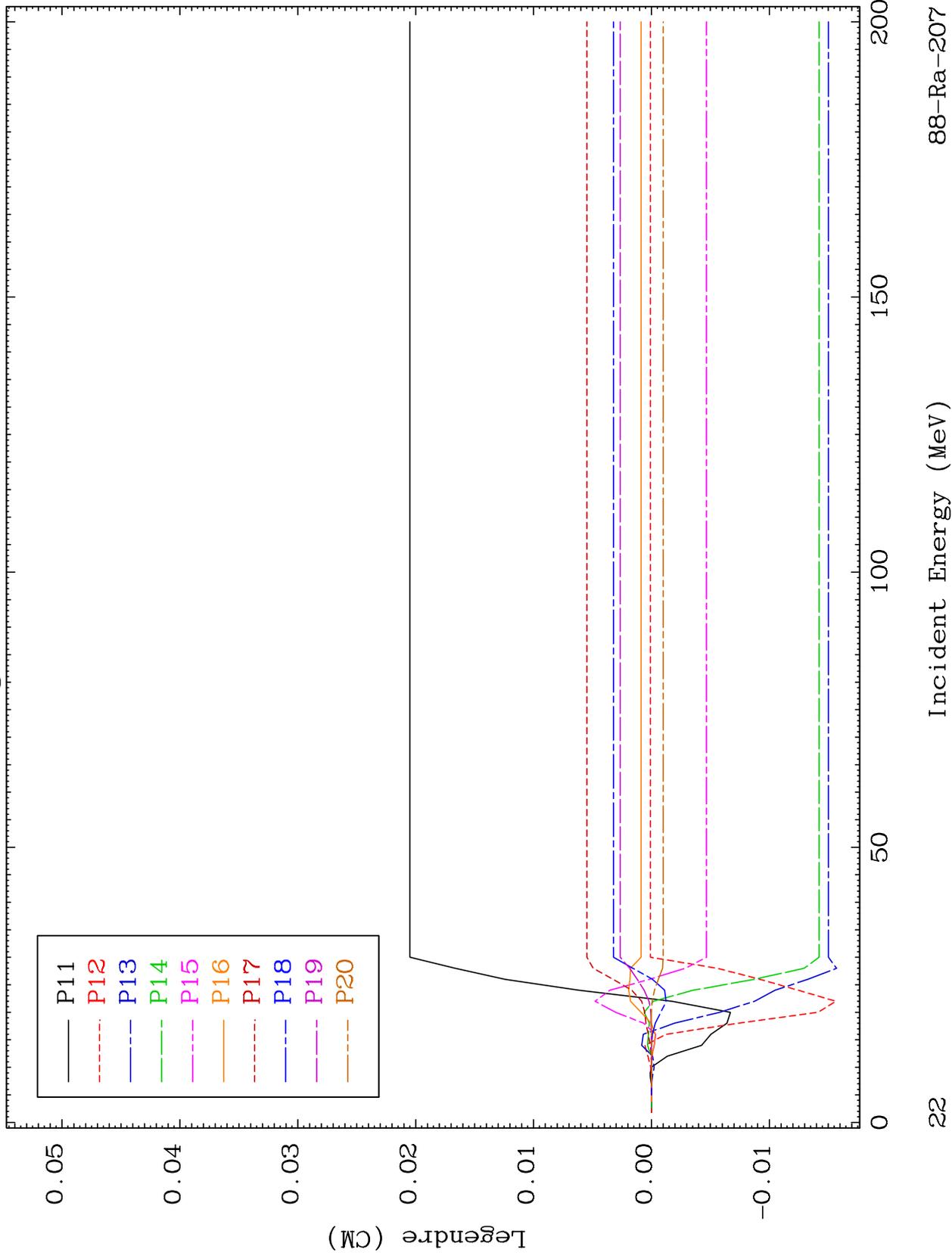
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

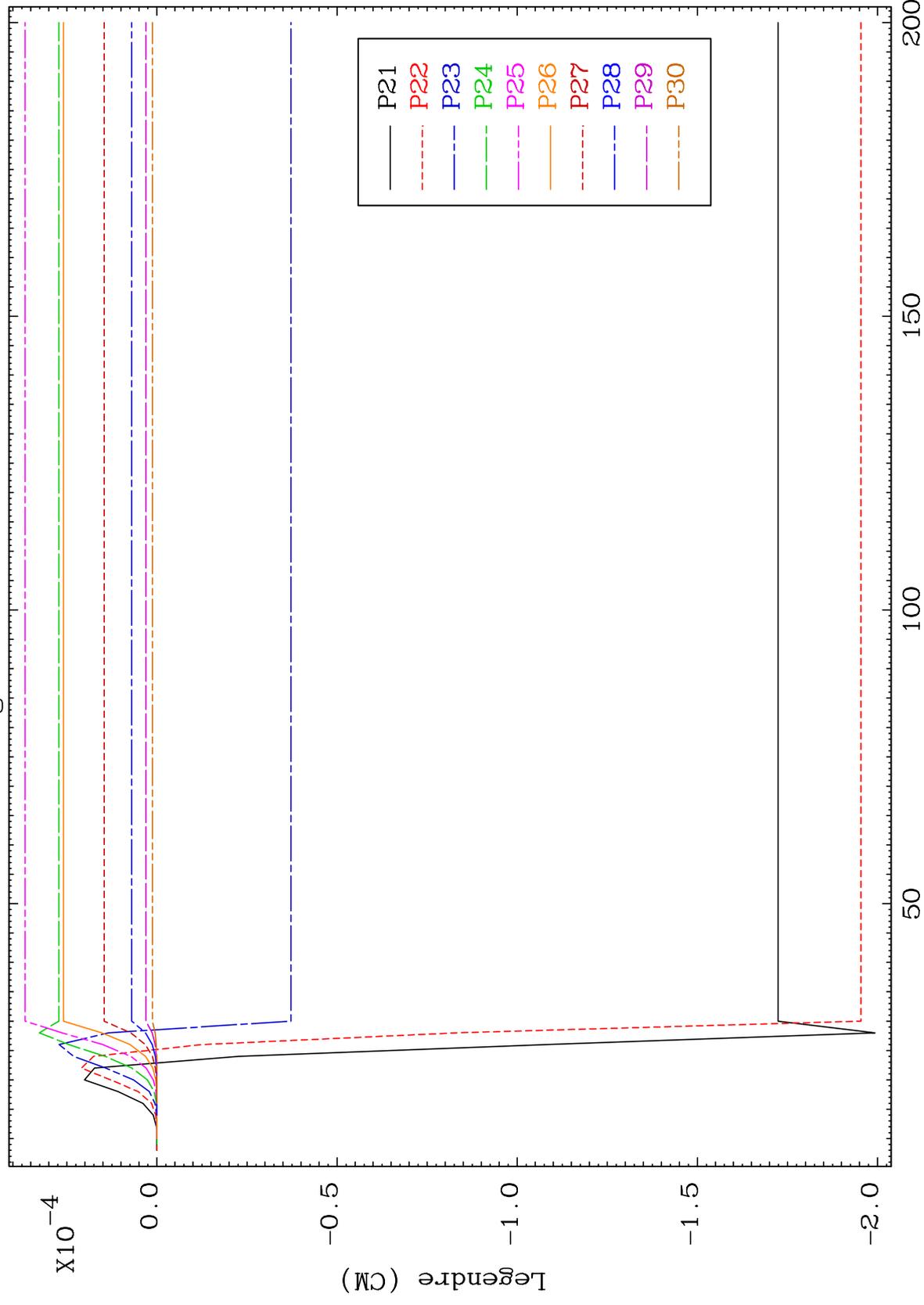
88-Ra-207



88-Ra-207

Incident Energy (MeV)

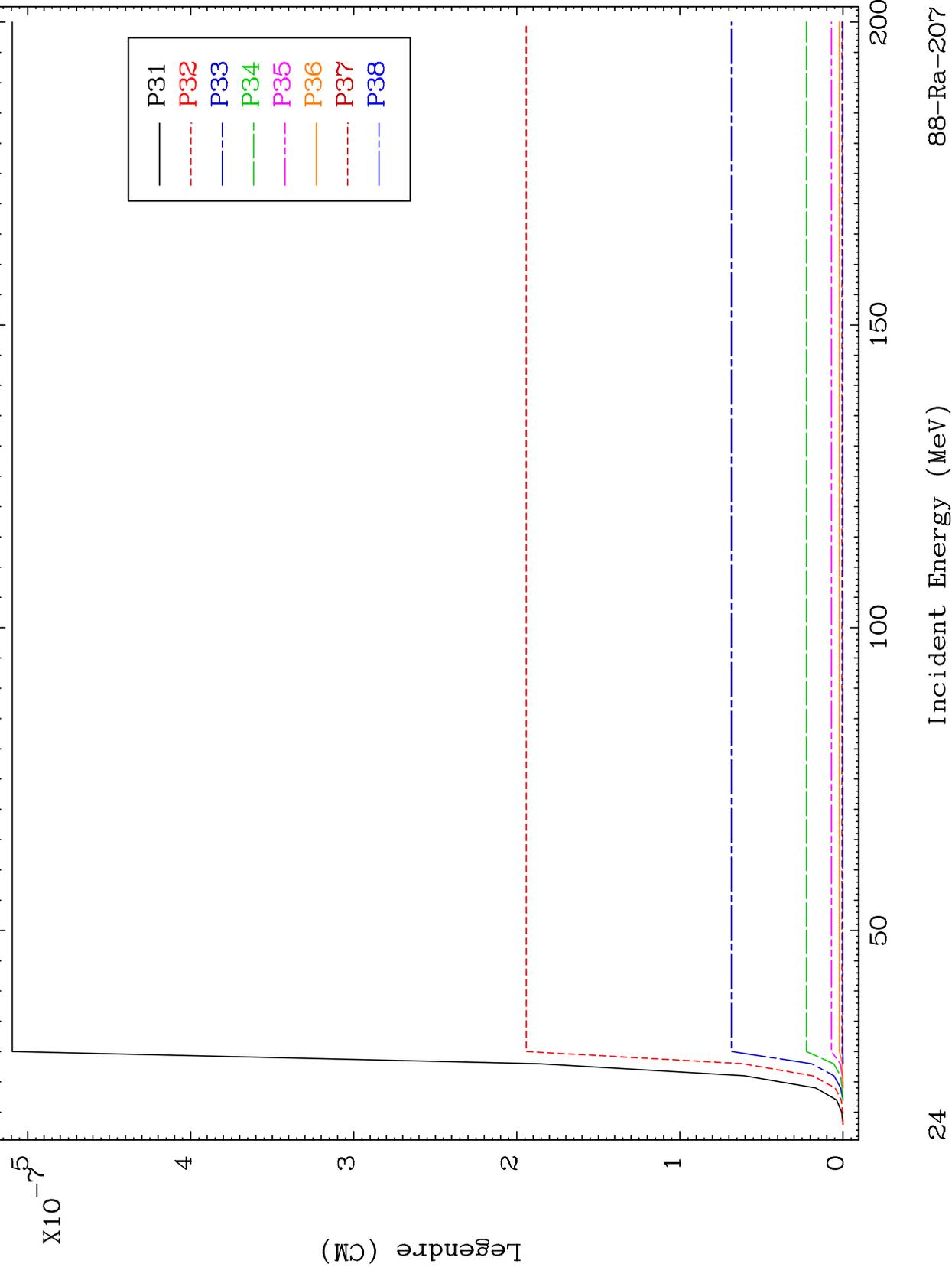
22



MAT 8777

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

88-Ra-207

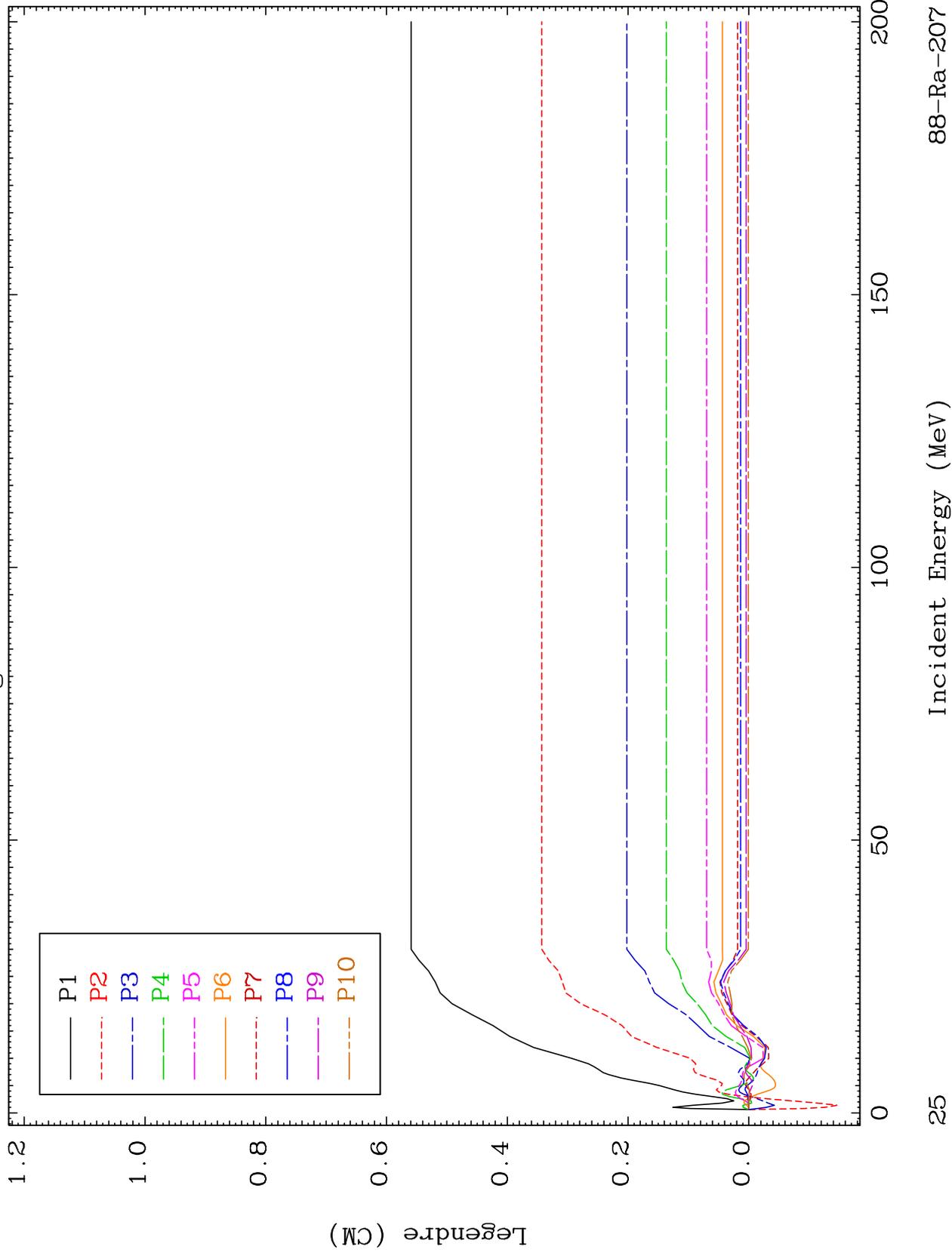


24

MAT 8777

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

88-Ra-207



88-Ra-207

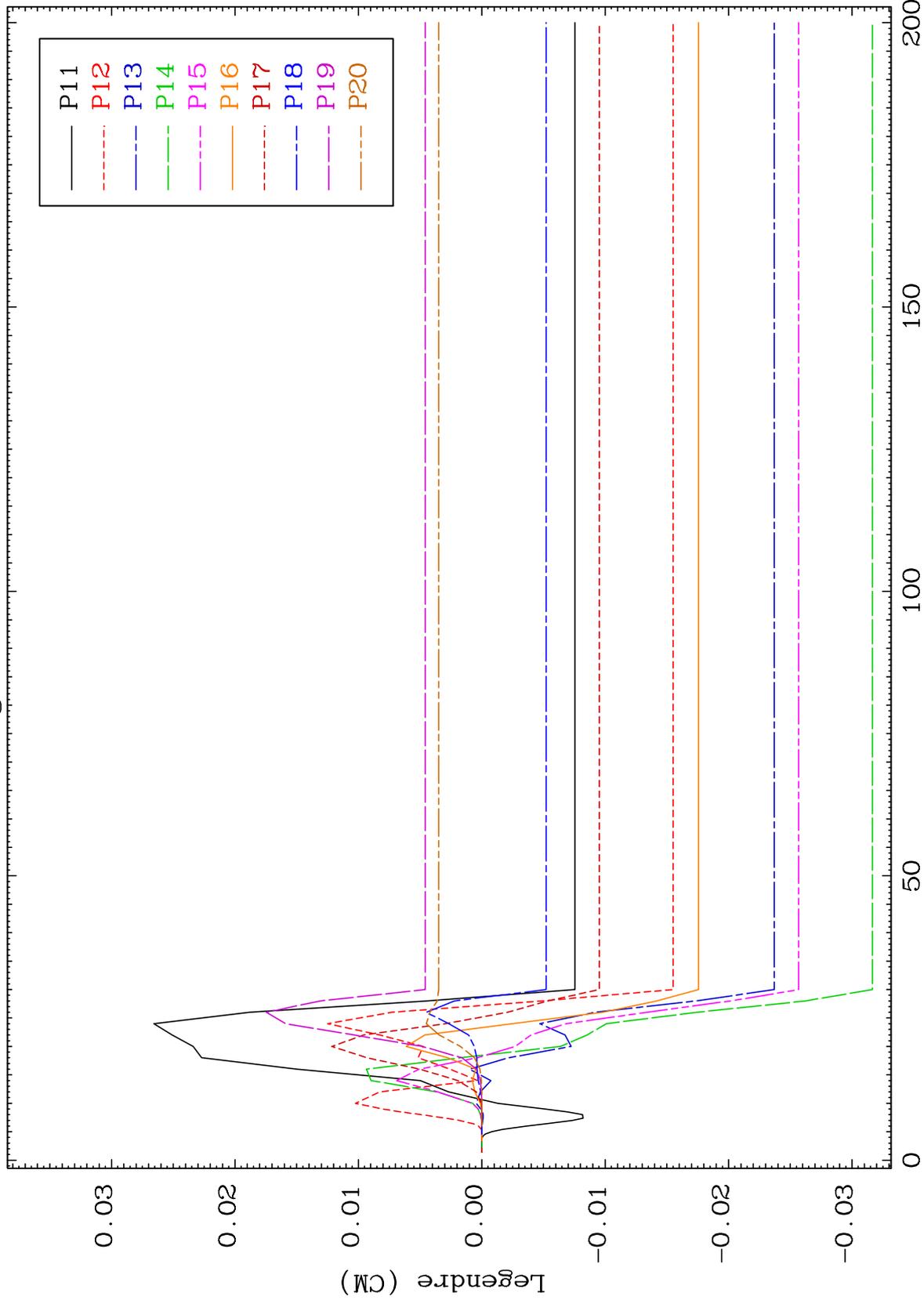
Incident Energy (MeV)

25

MAT 8777

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

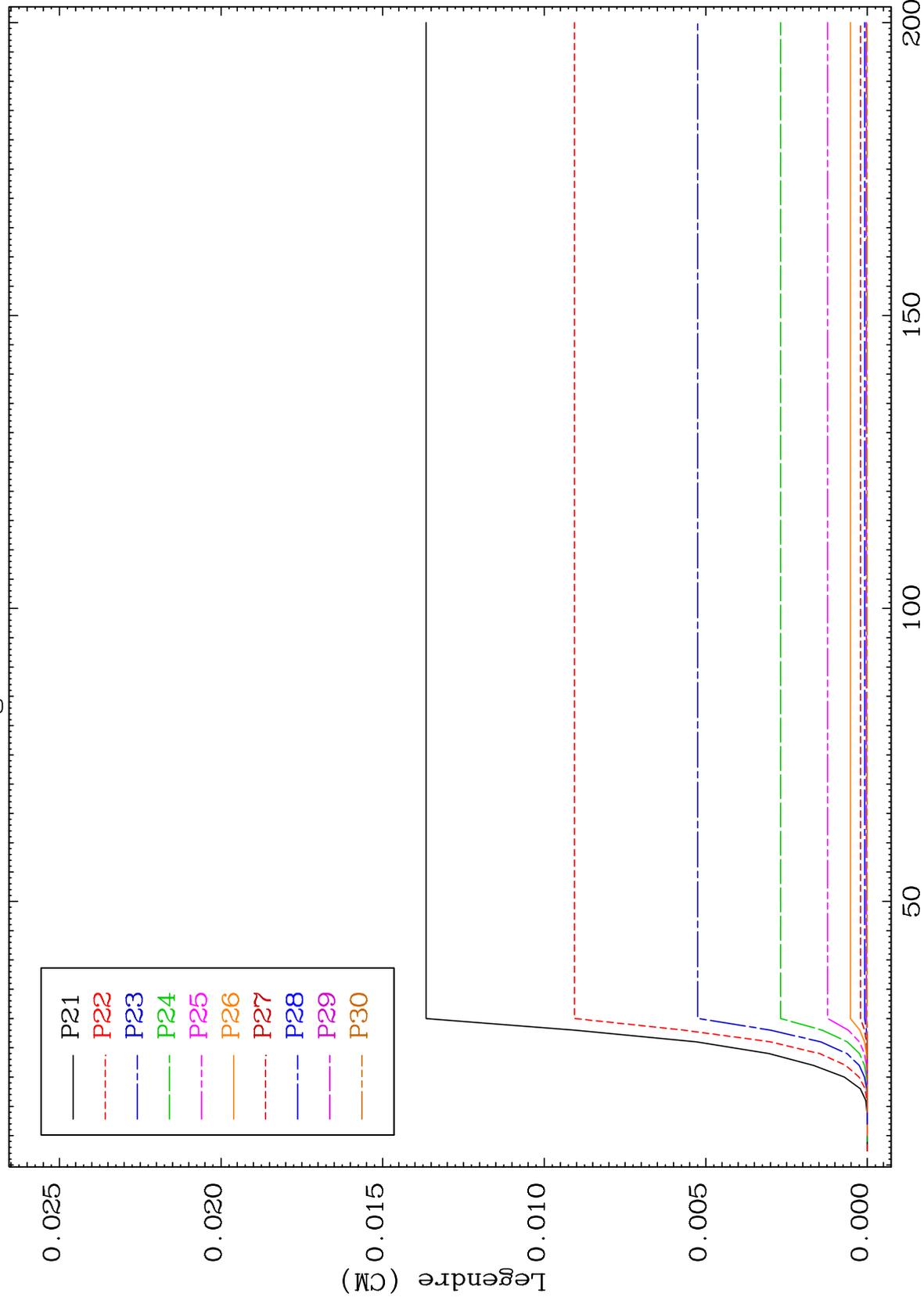
88-Ra-207



26

Incident Energy (MeV)

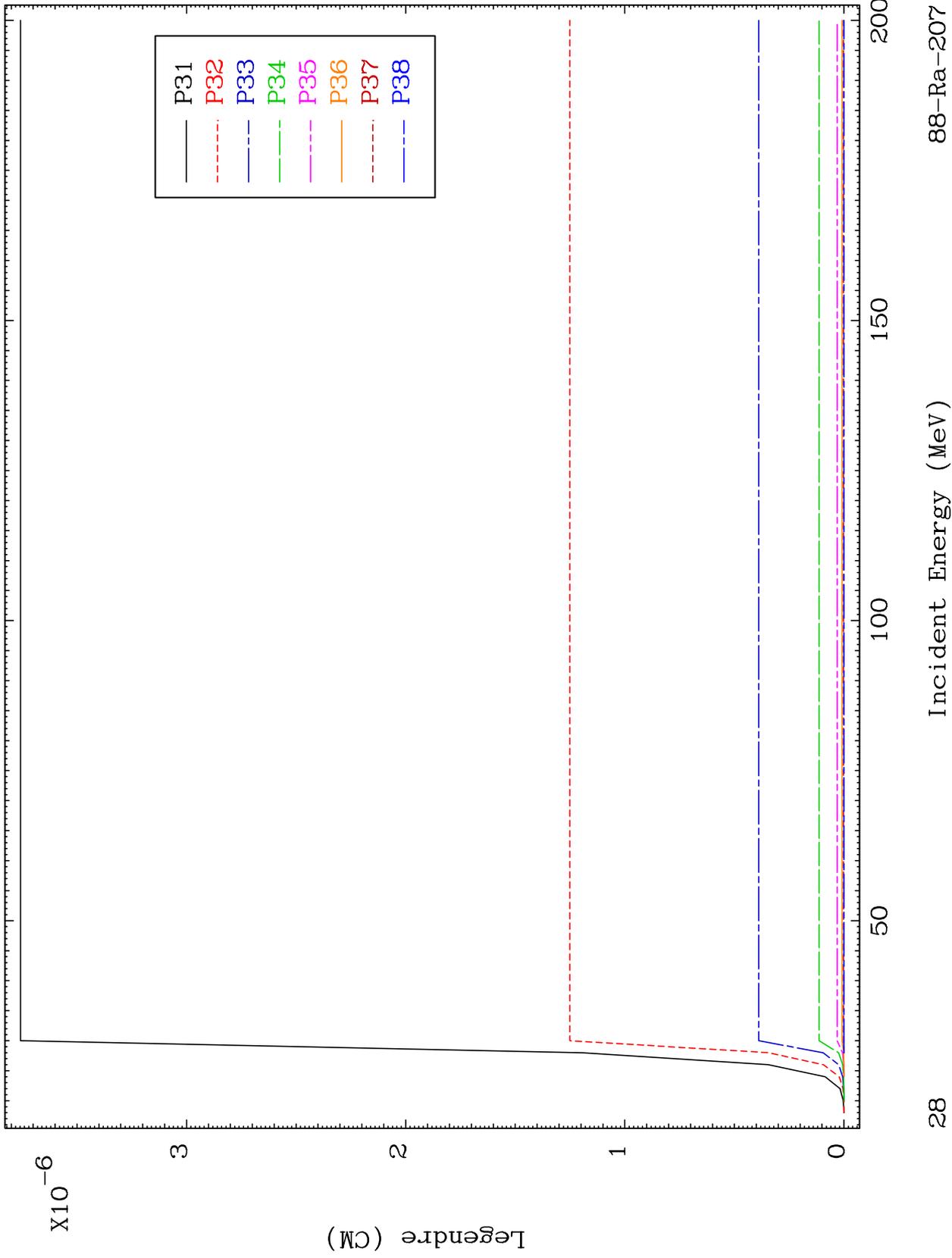
88-Ra-207



MAT 8777

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

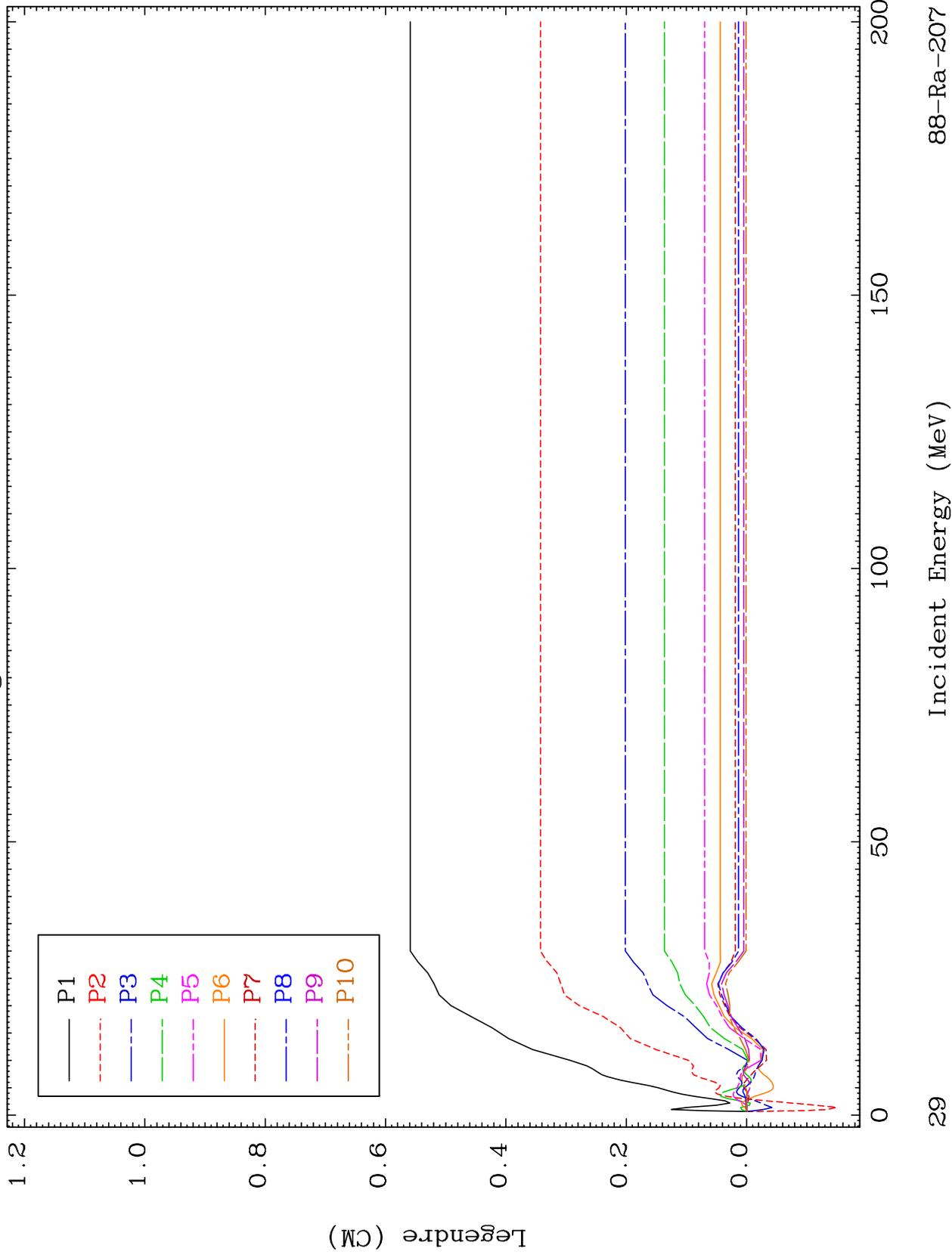
88-Ra-207



MAT 8777

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

88-Ra-207



88-Ra-207

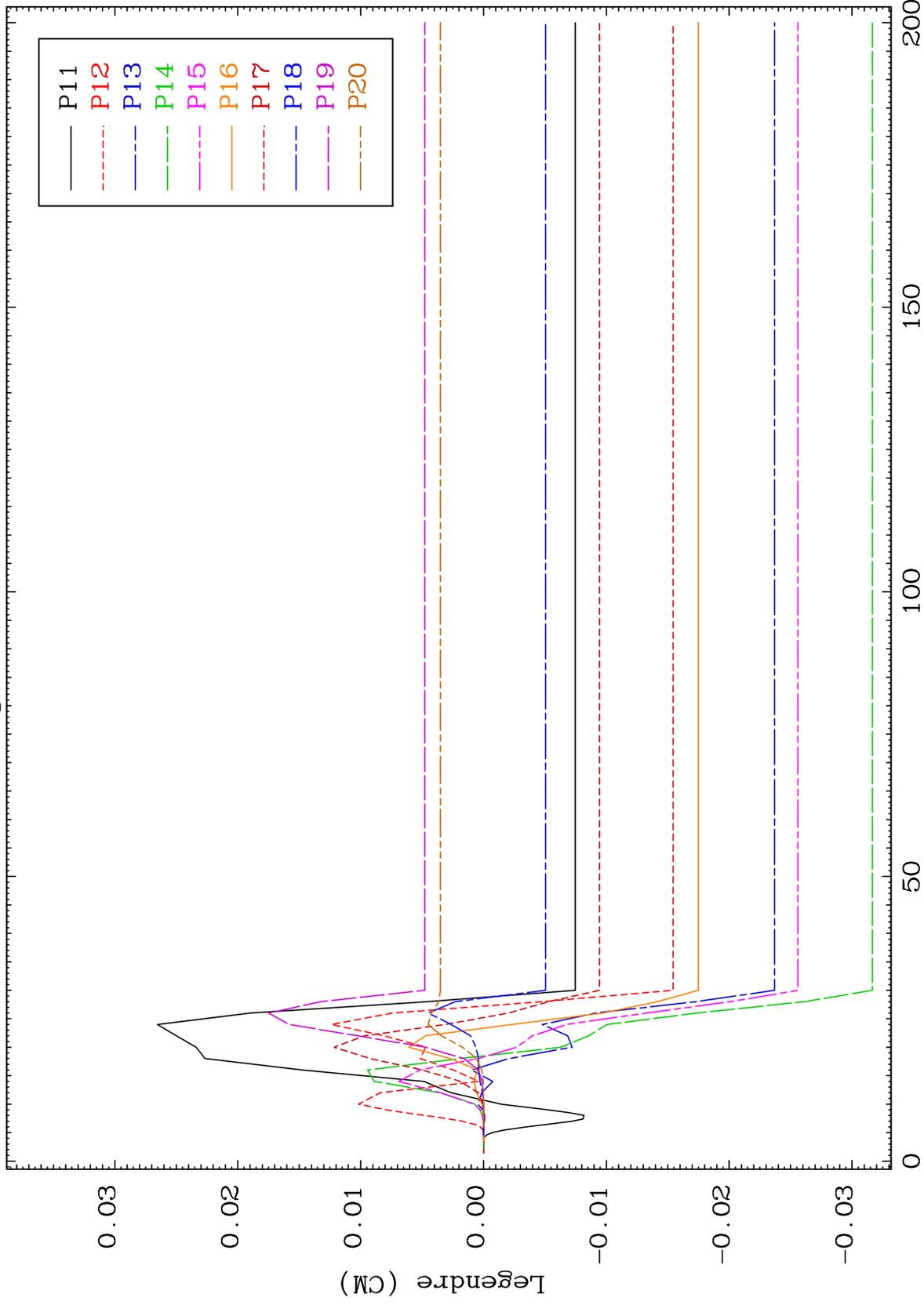
Incident Energy (MeV)

29

MAT 8777

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

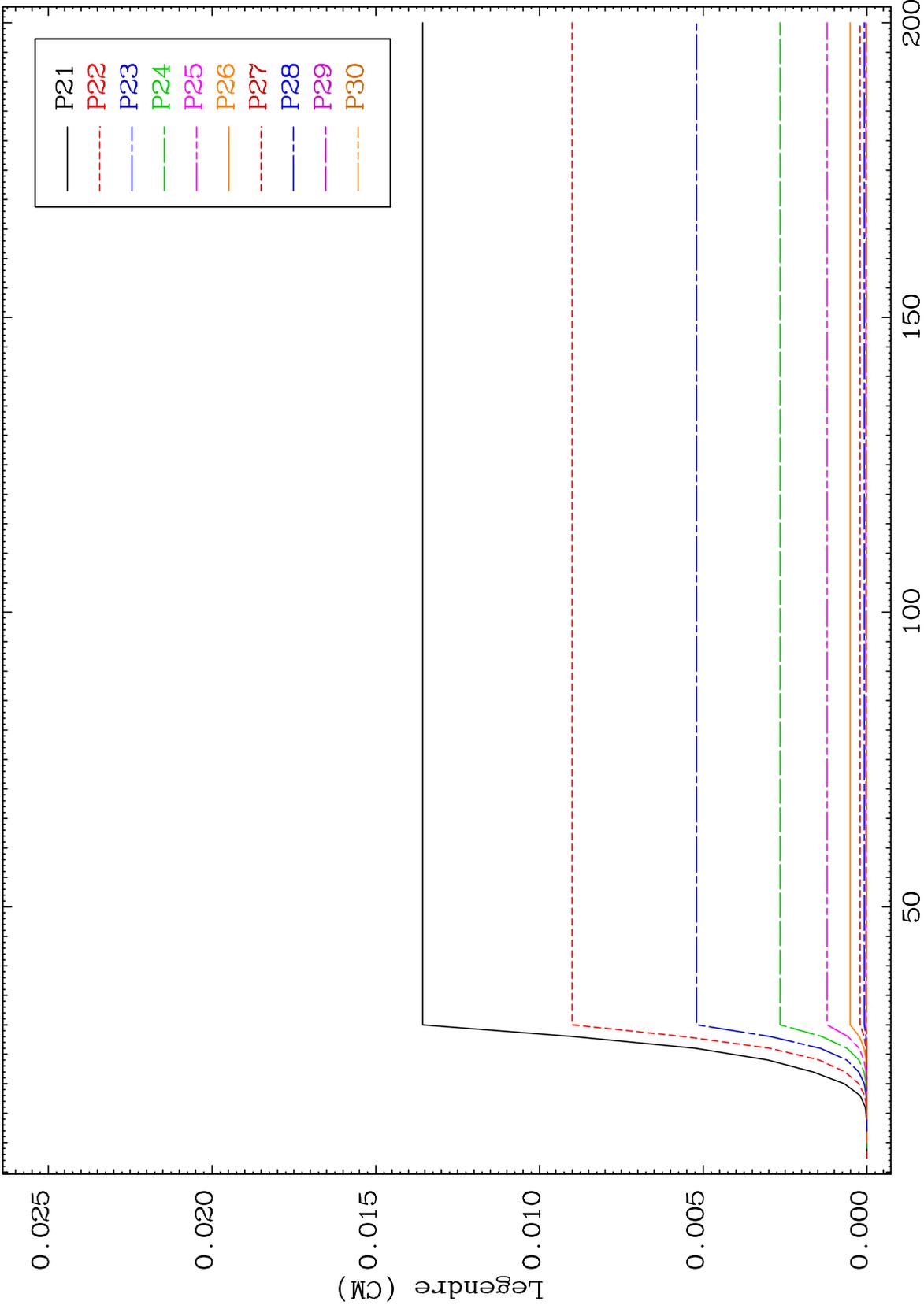
88-Ra-207



88-Ra-207

Incident Energy (MeV)

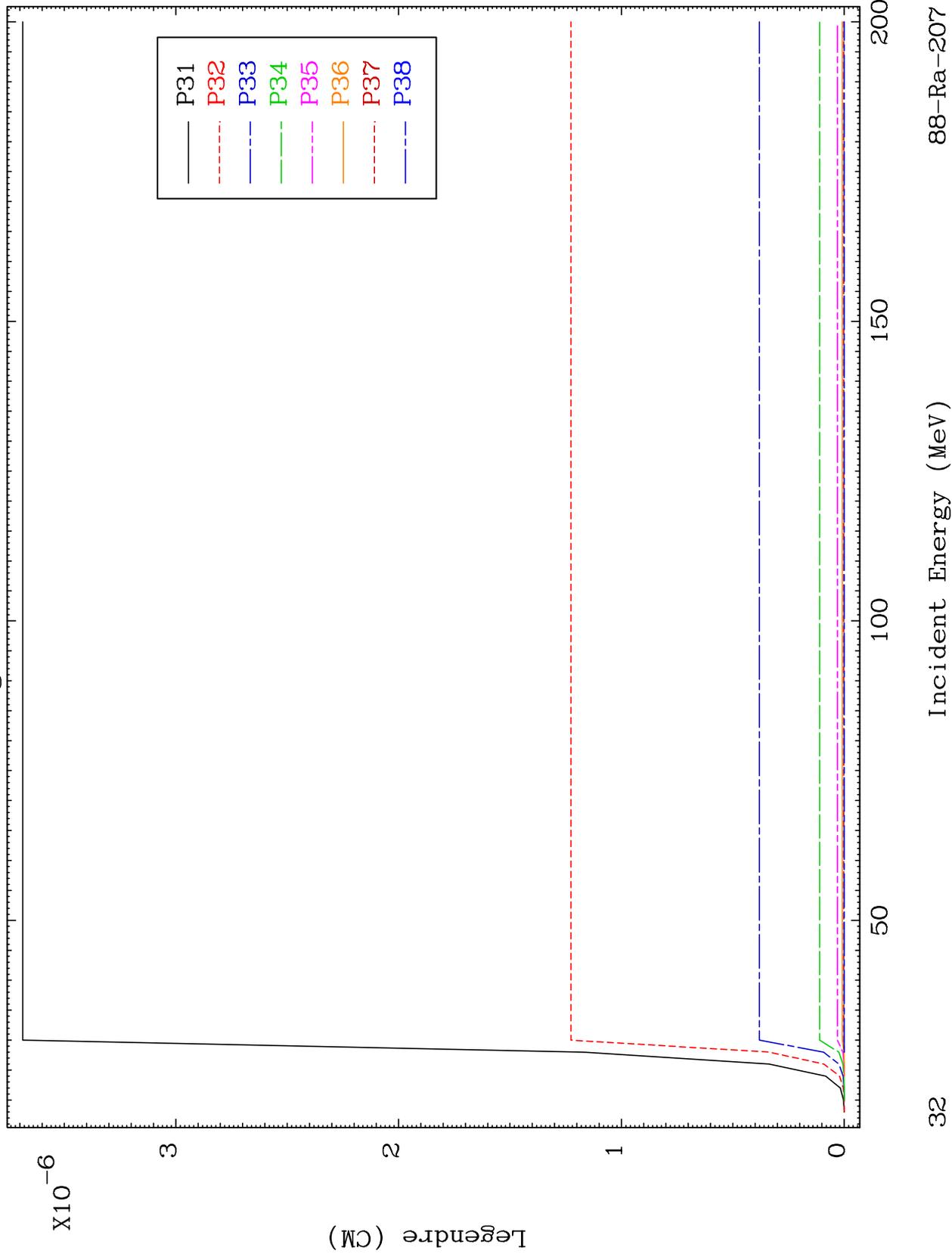
30



MAT 8777

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

88-Ra-207



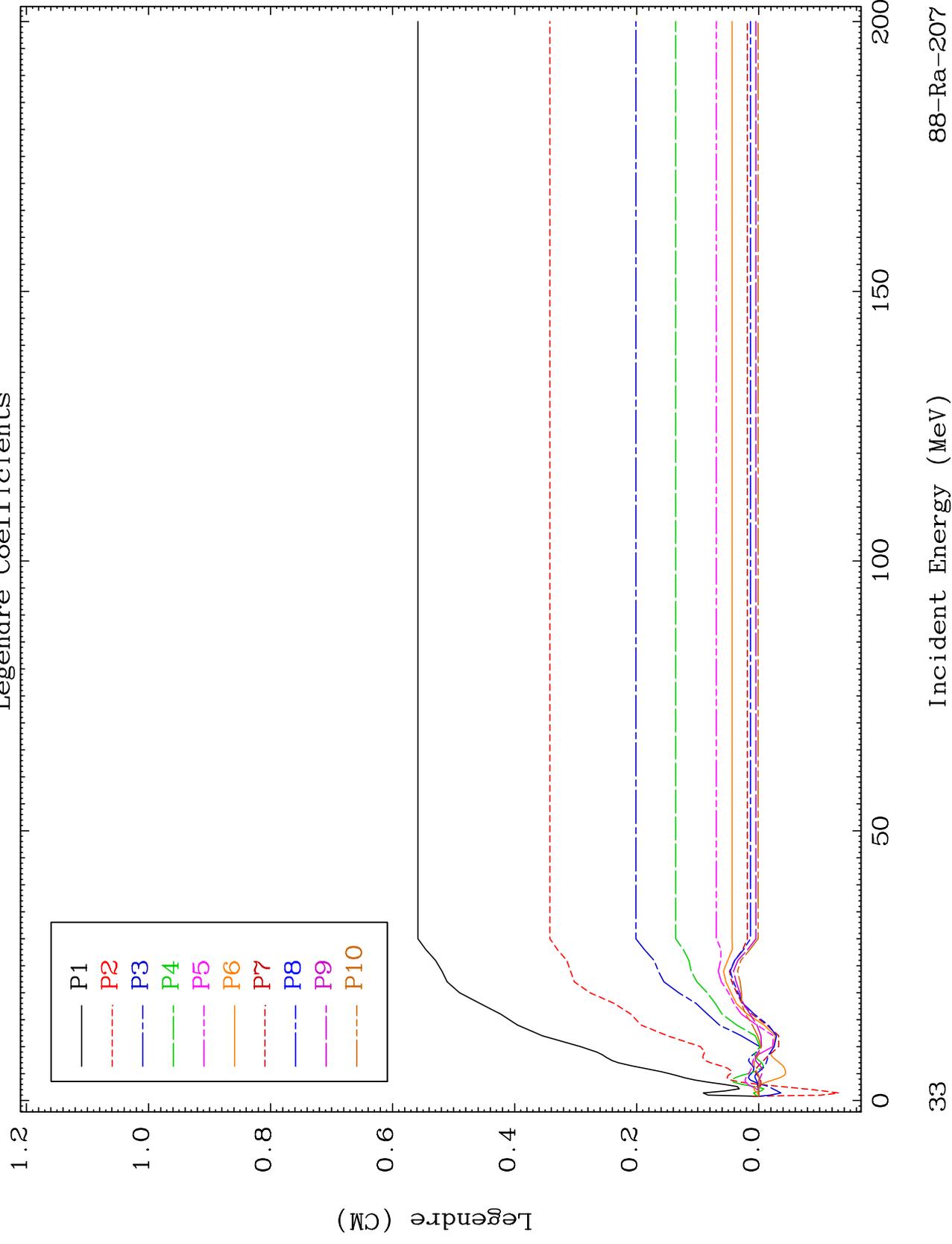
32

88-Ra-207

MAT 8777

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

88-Ra-207



33

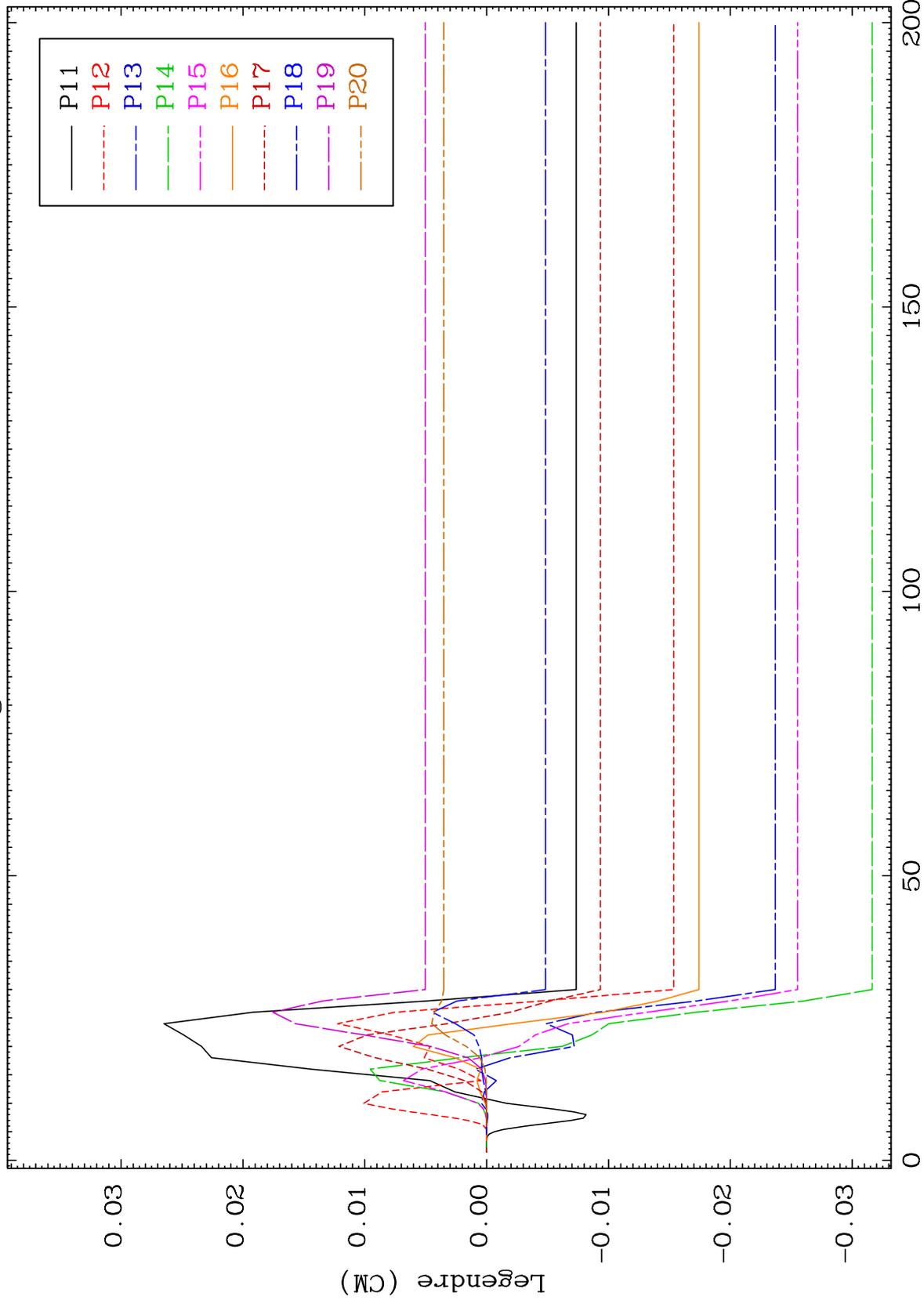
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



34

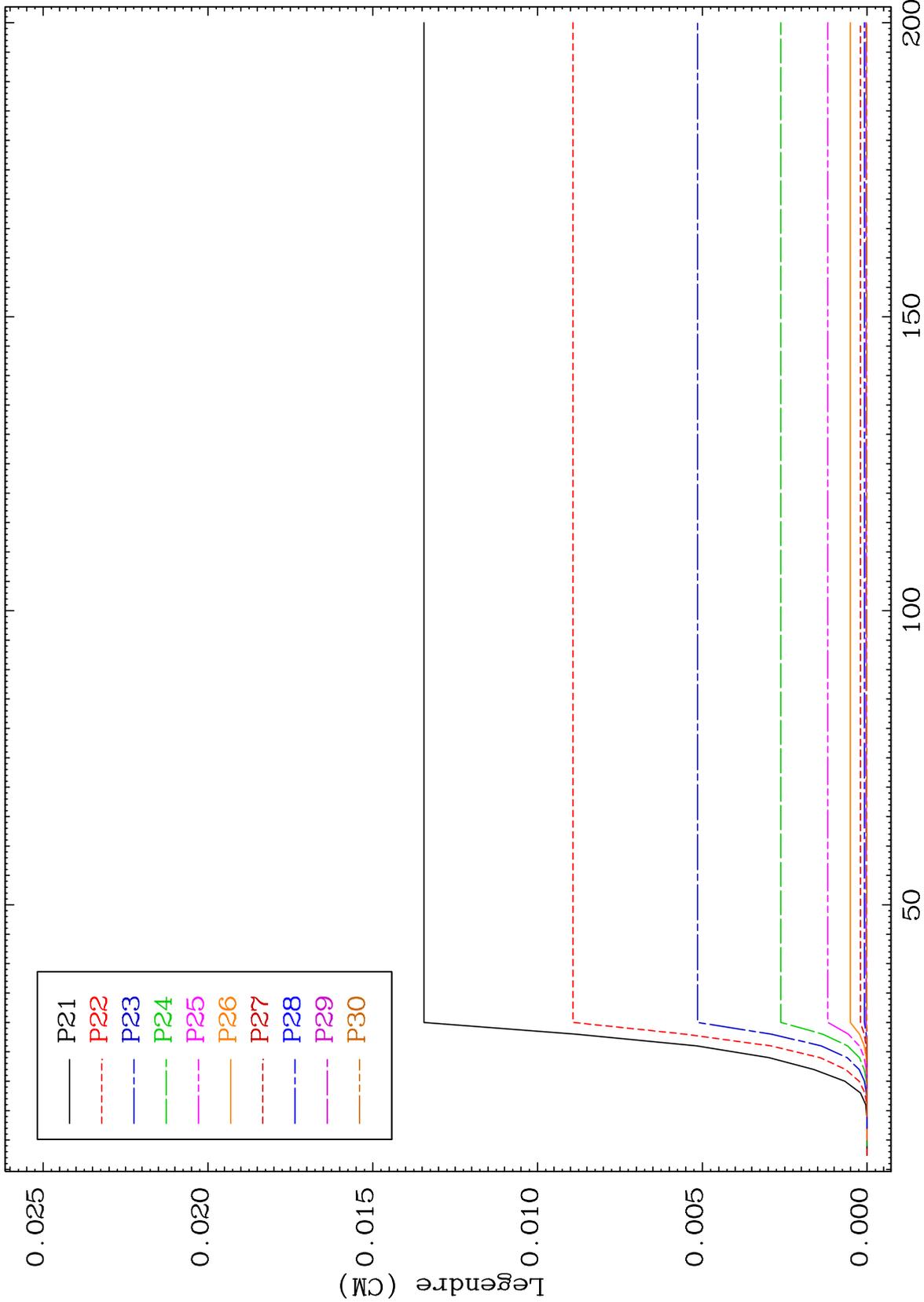
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



35

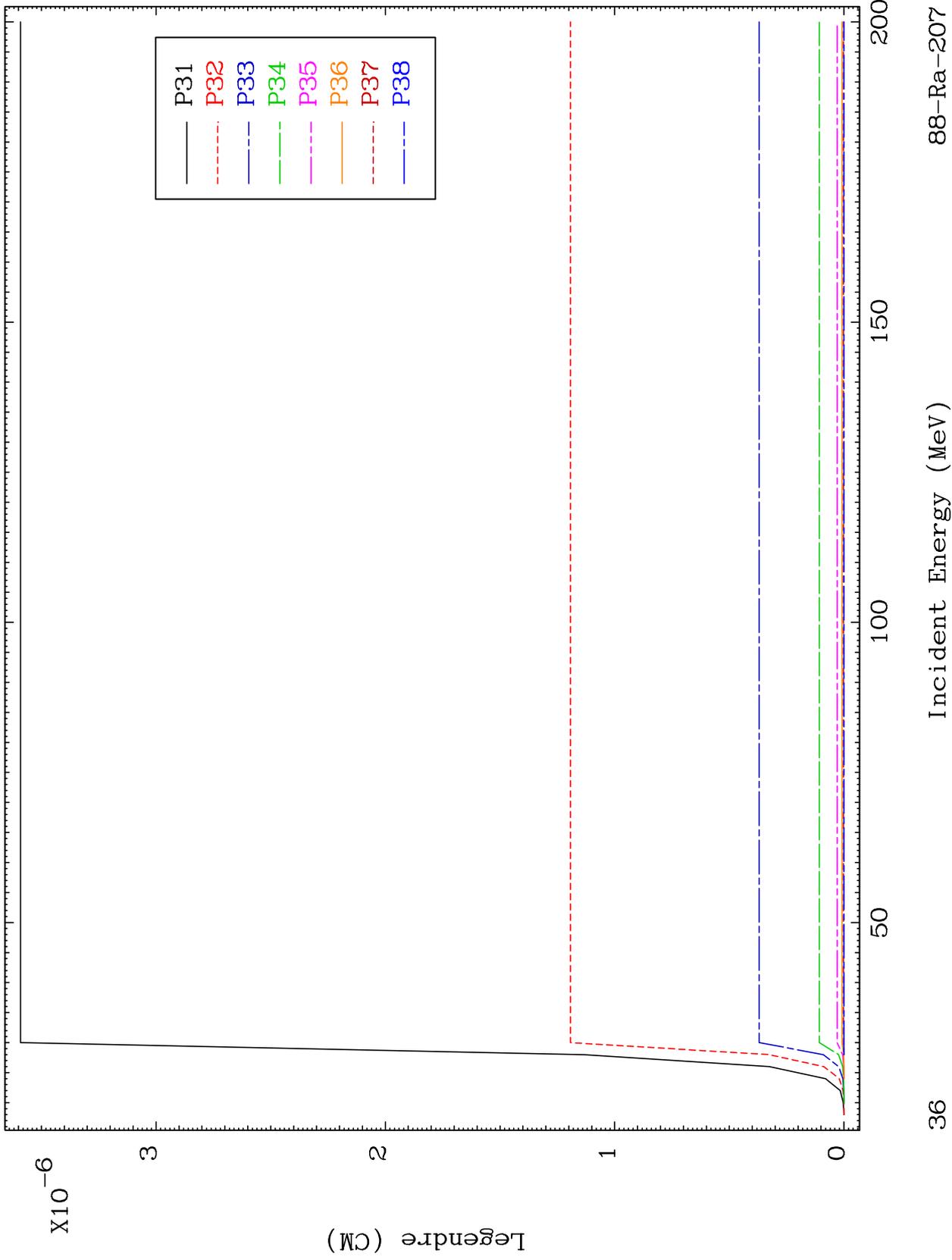
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



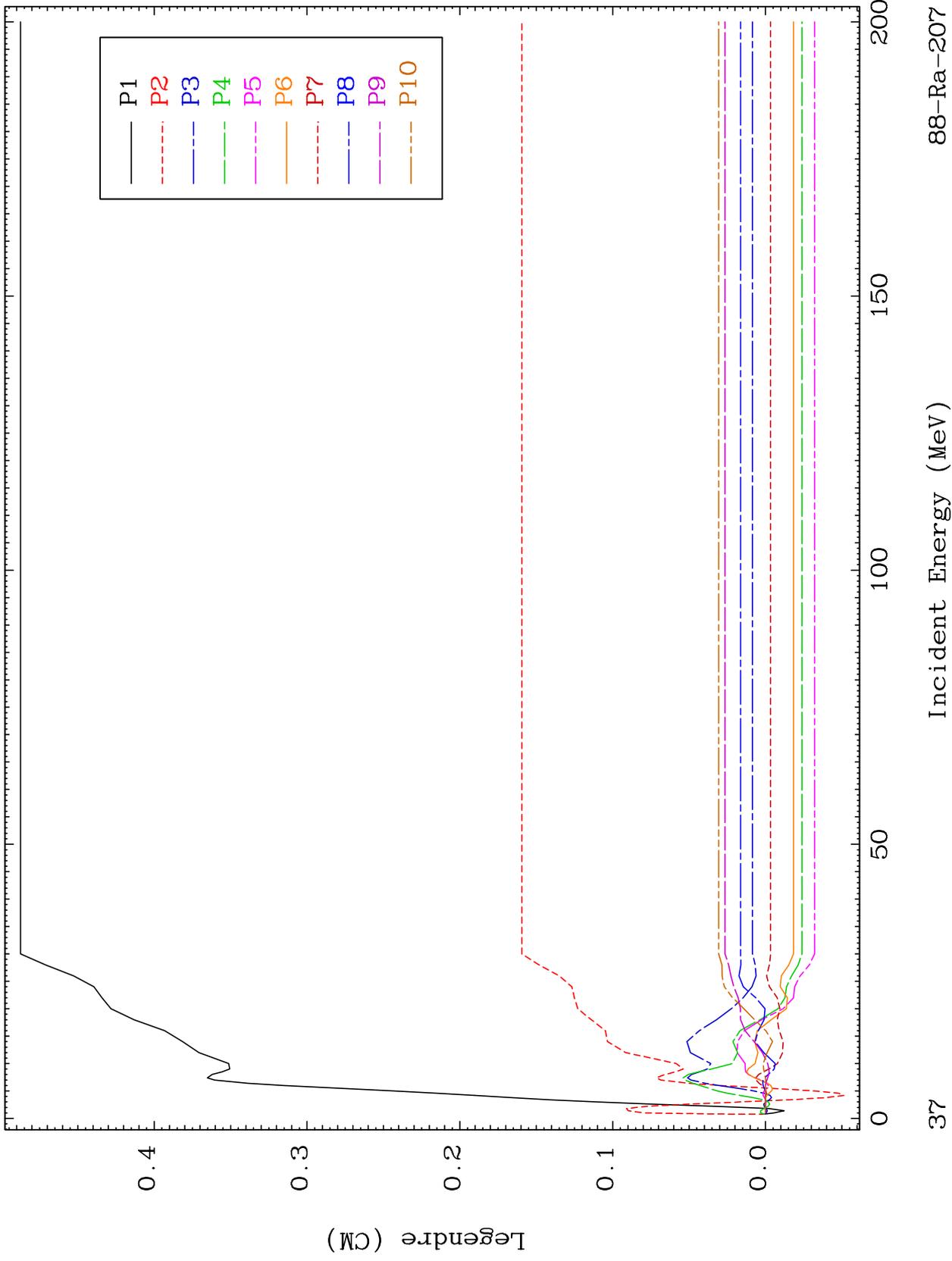
36

88-Ra-207

MAT 8777

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

88-Ra-207



88-Ra-207

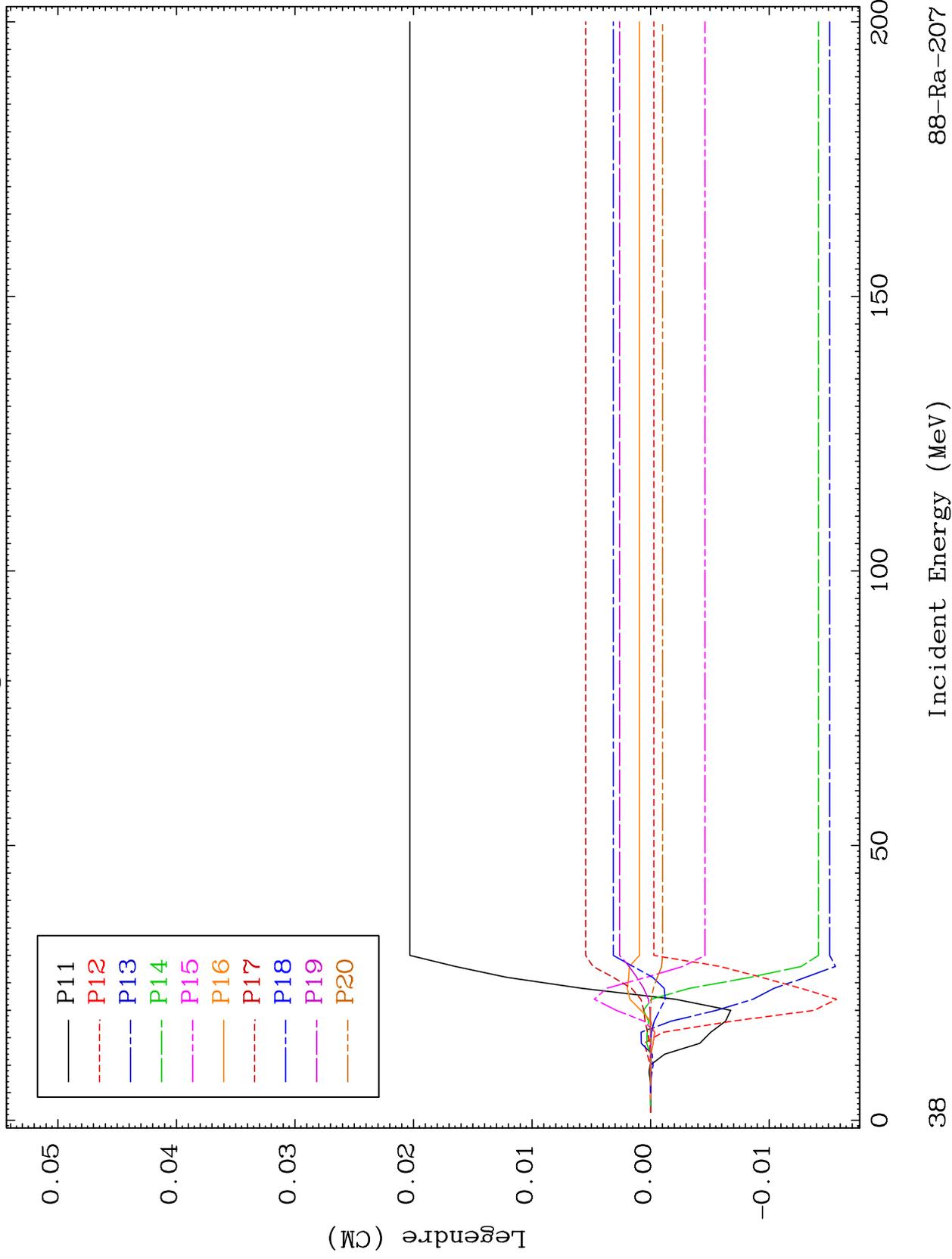
Incident Energy (MeV)

37

MAT 8777

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

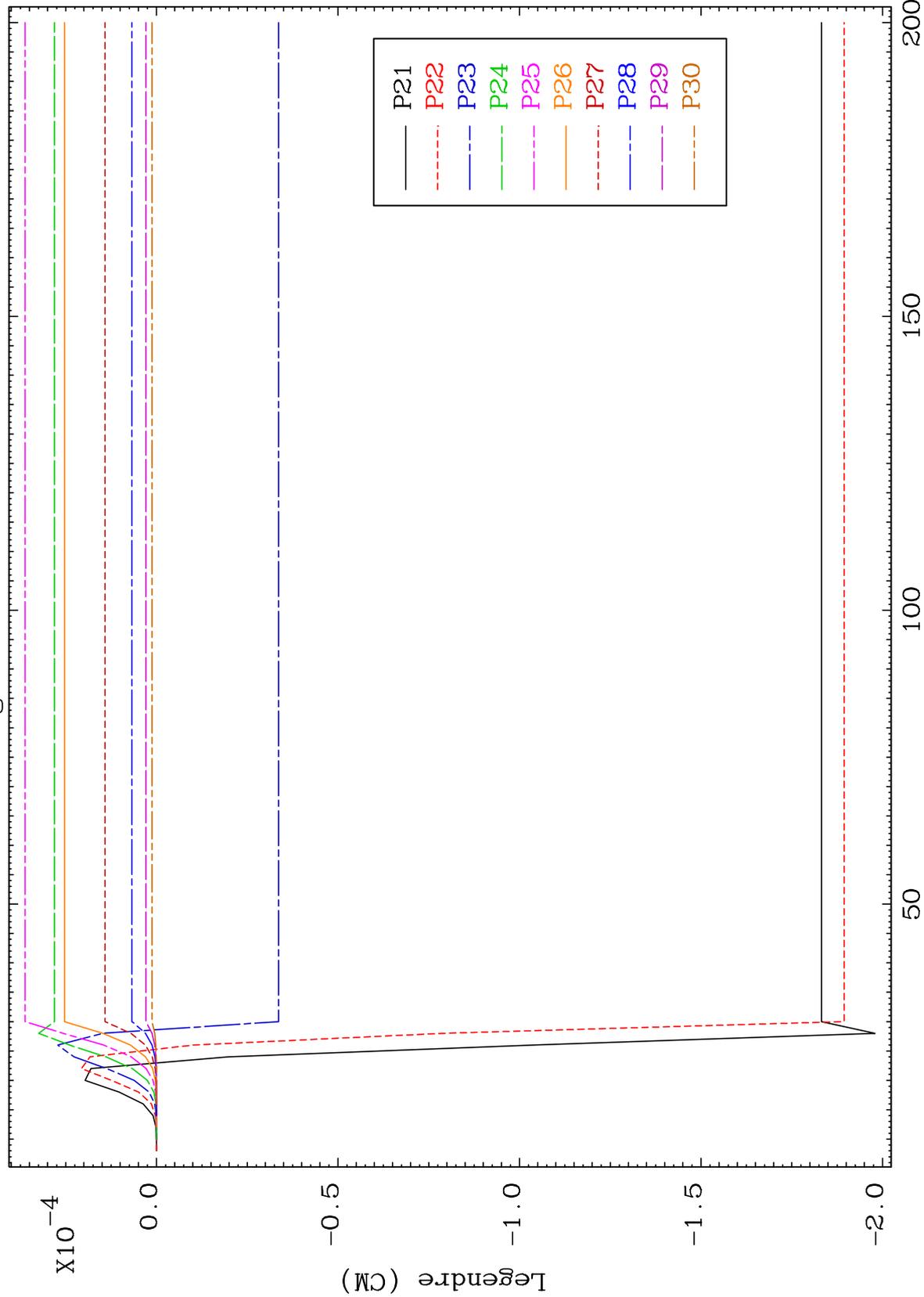
88-Ra-207



88-Ra-207

Incident Energy (MeV)

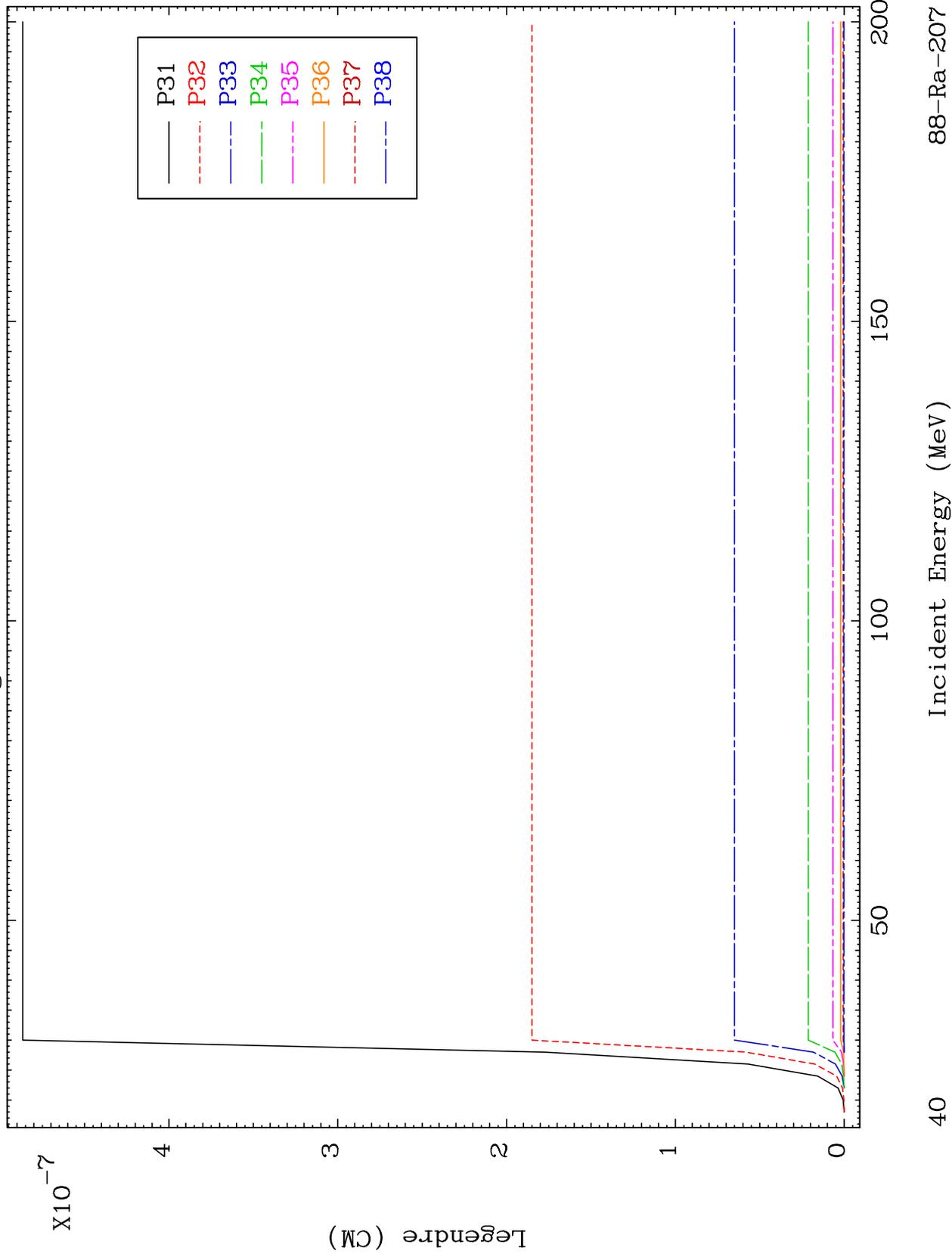
38



MAT 8777

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

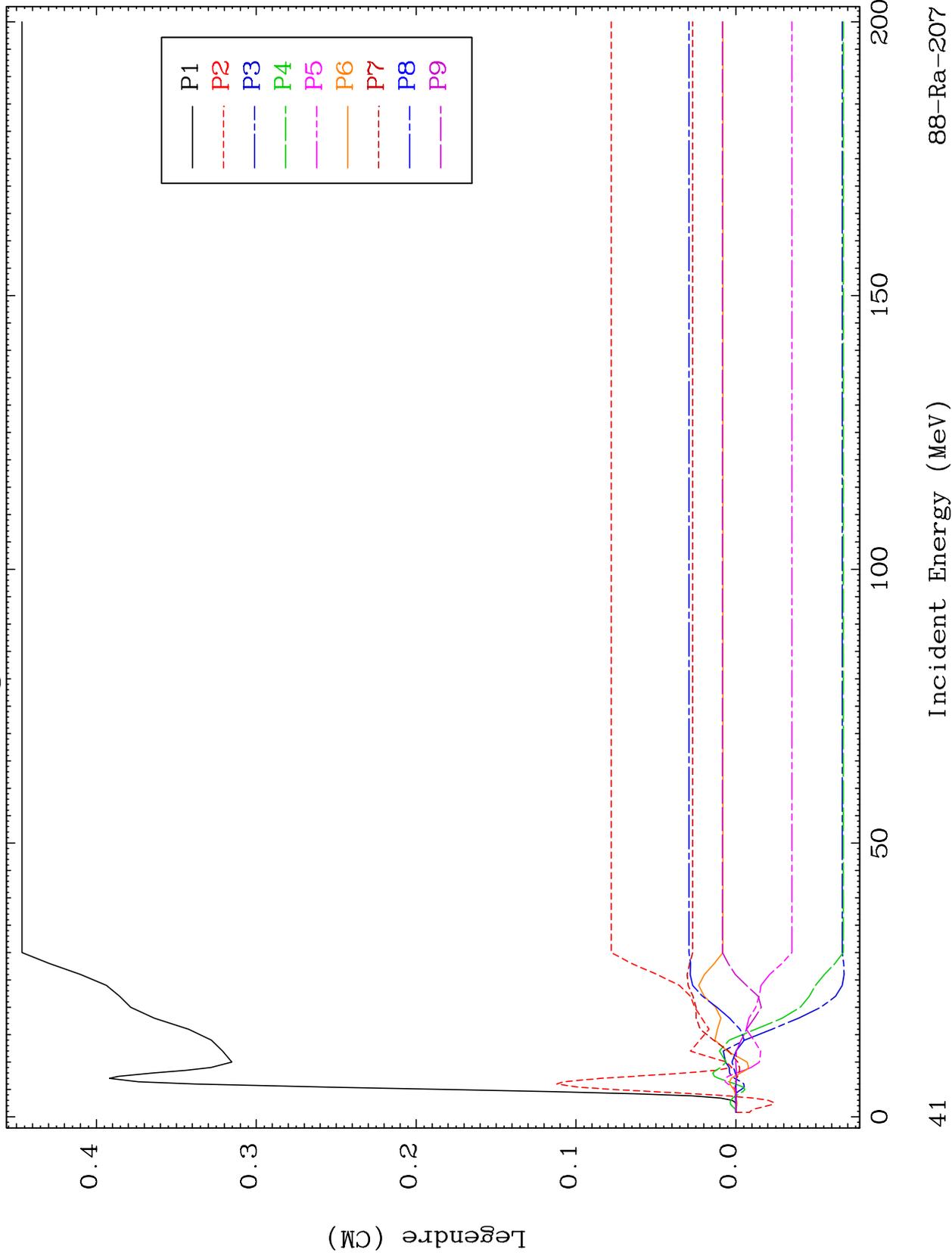
88-Ra-207



MAT 8777

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

88-Ra-207



88-Ra-207

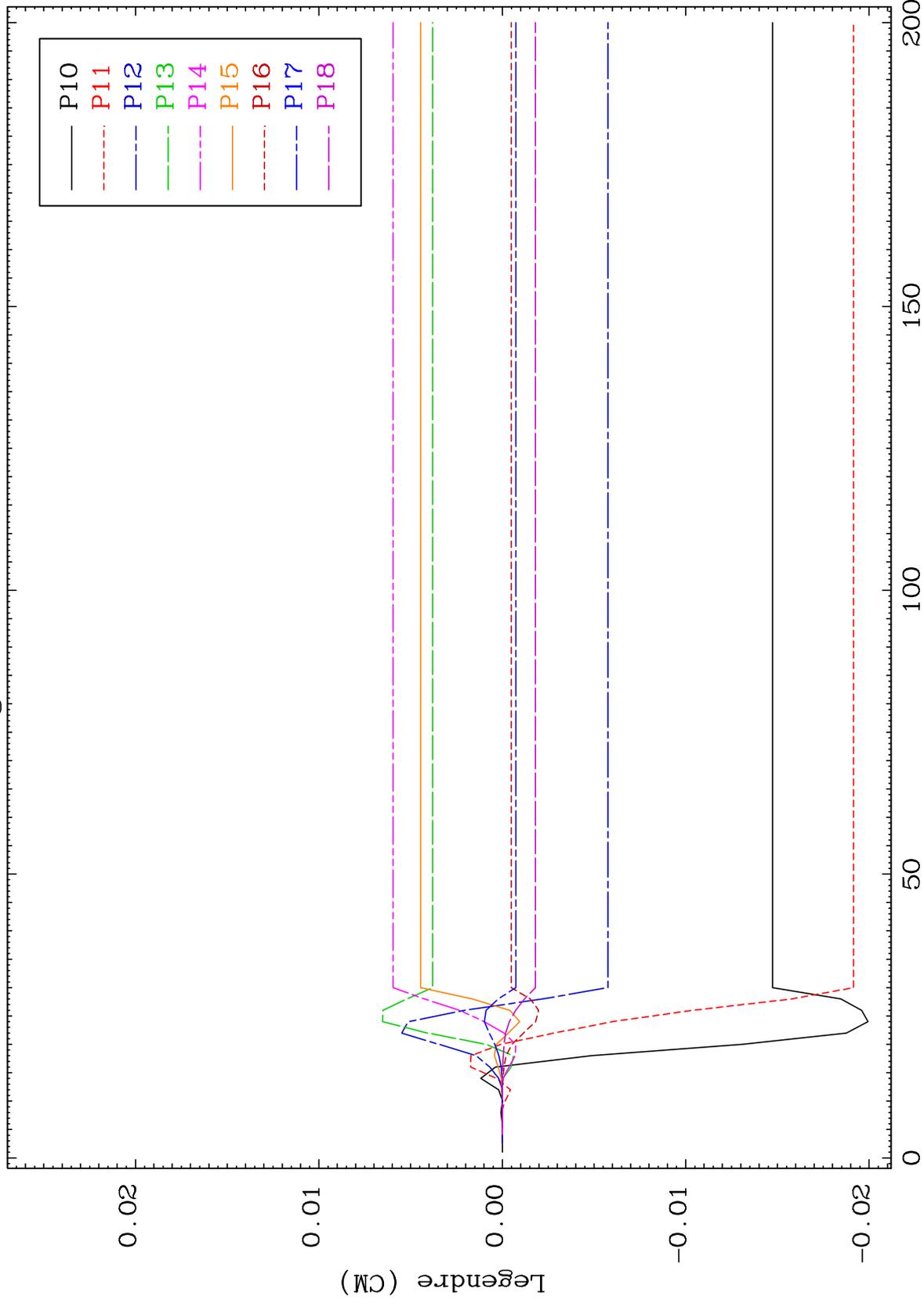
Incident Energy (MeV)

41

MAT 8777

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

88-Ra-207



42

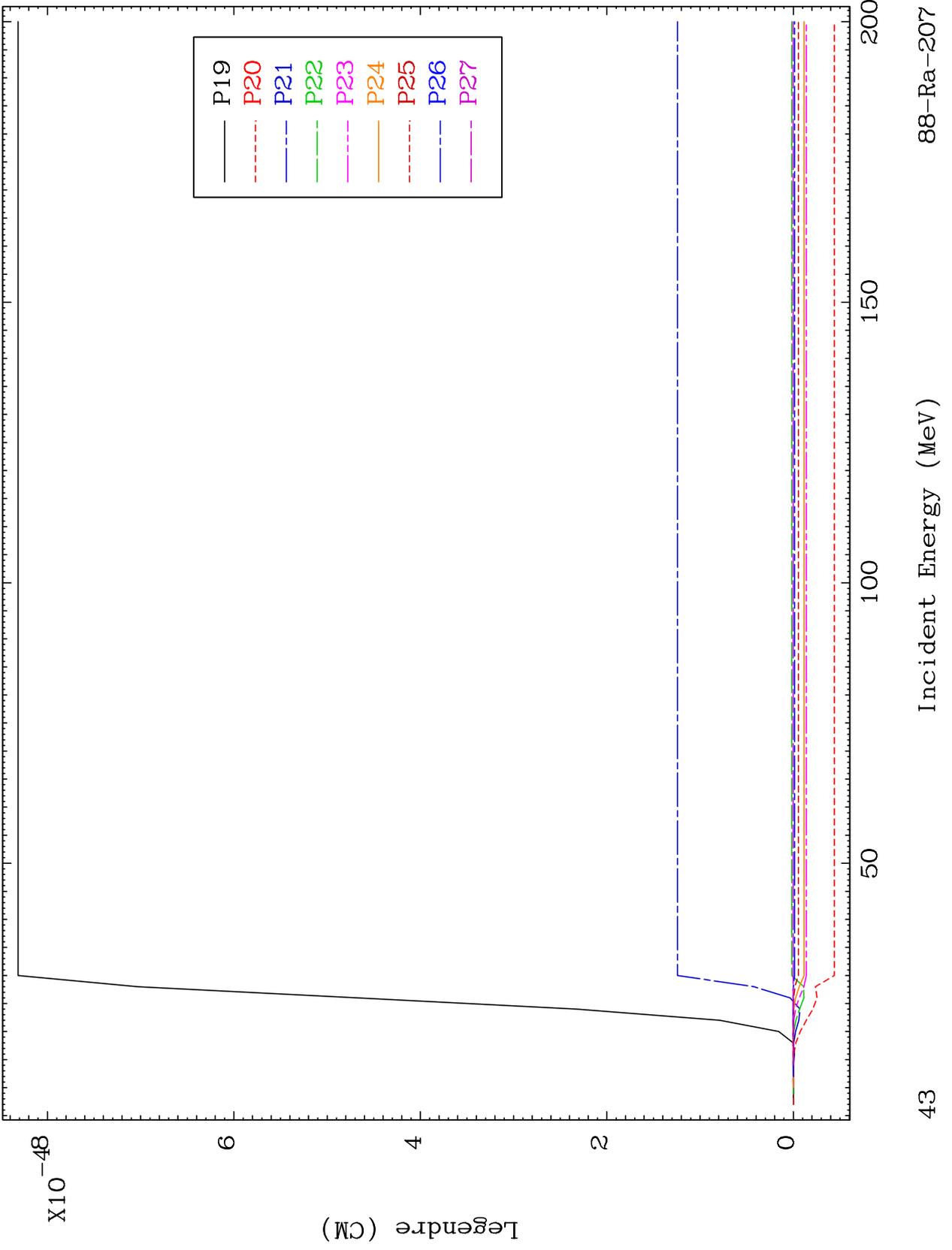
Incident Energy (MeV)

88-Ra-207

MAT 87777

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

88-Ra-207



43

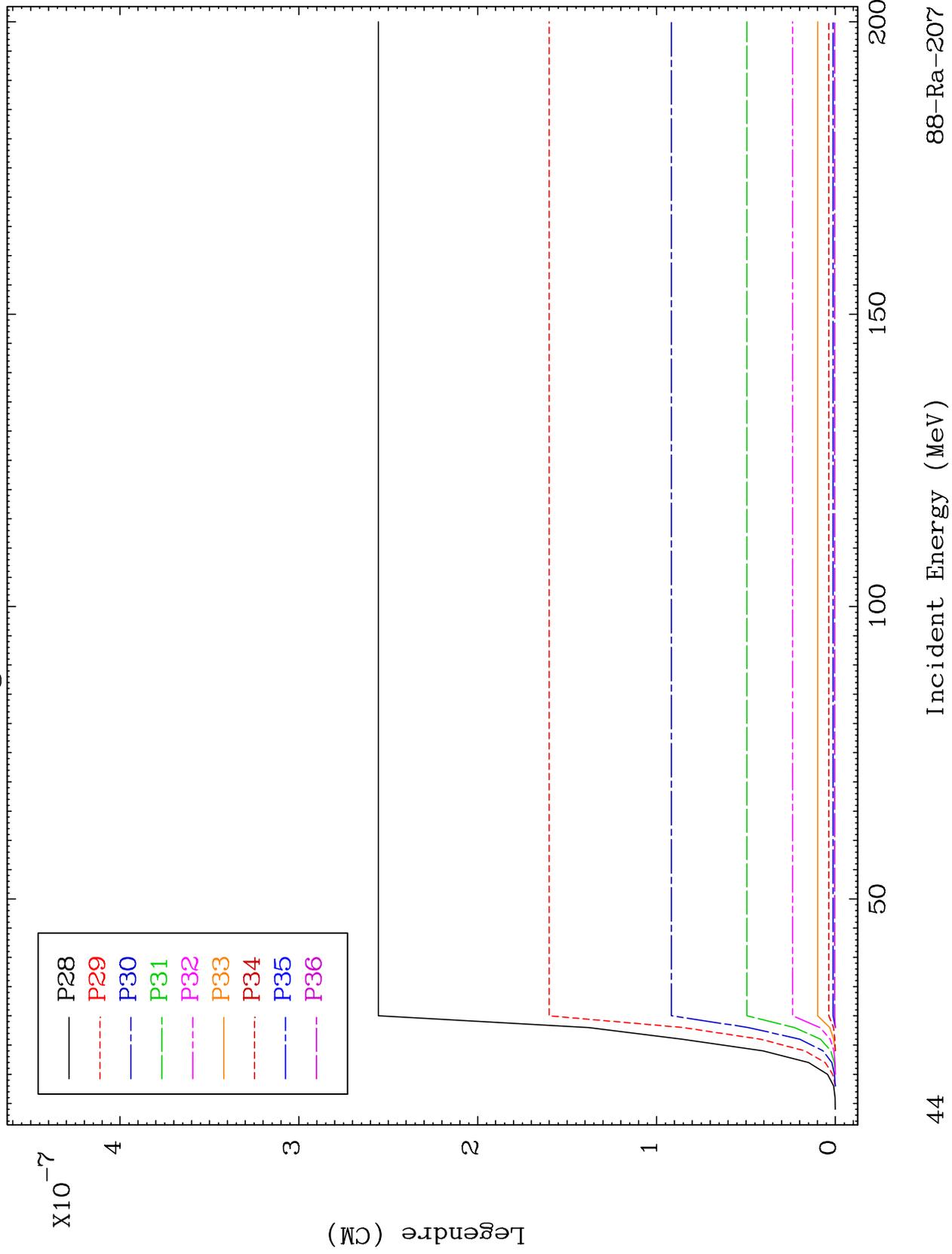
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



44

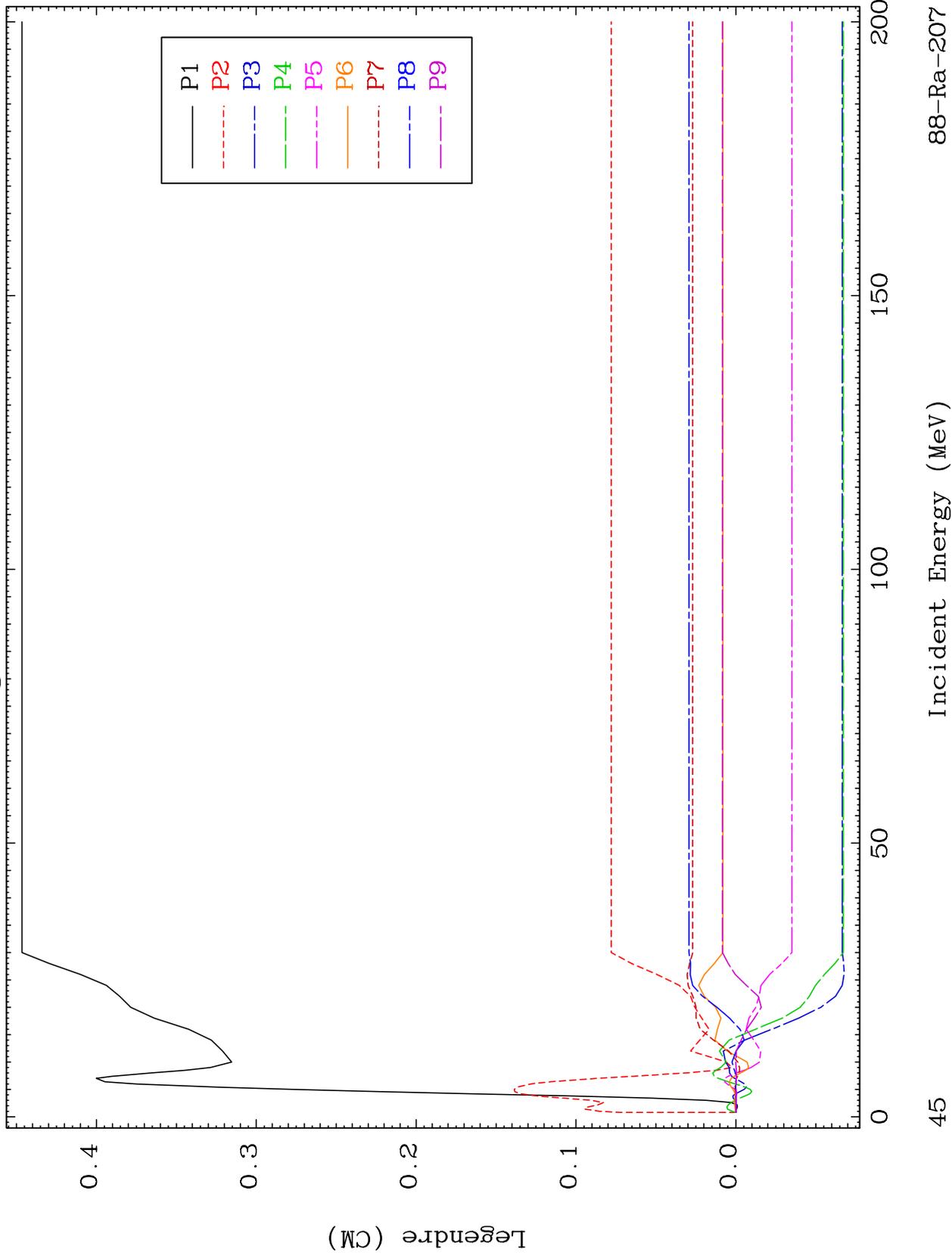
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



88-Ra-207

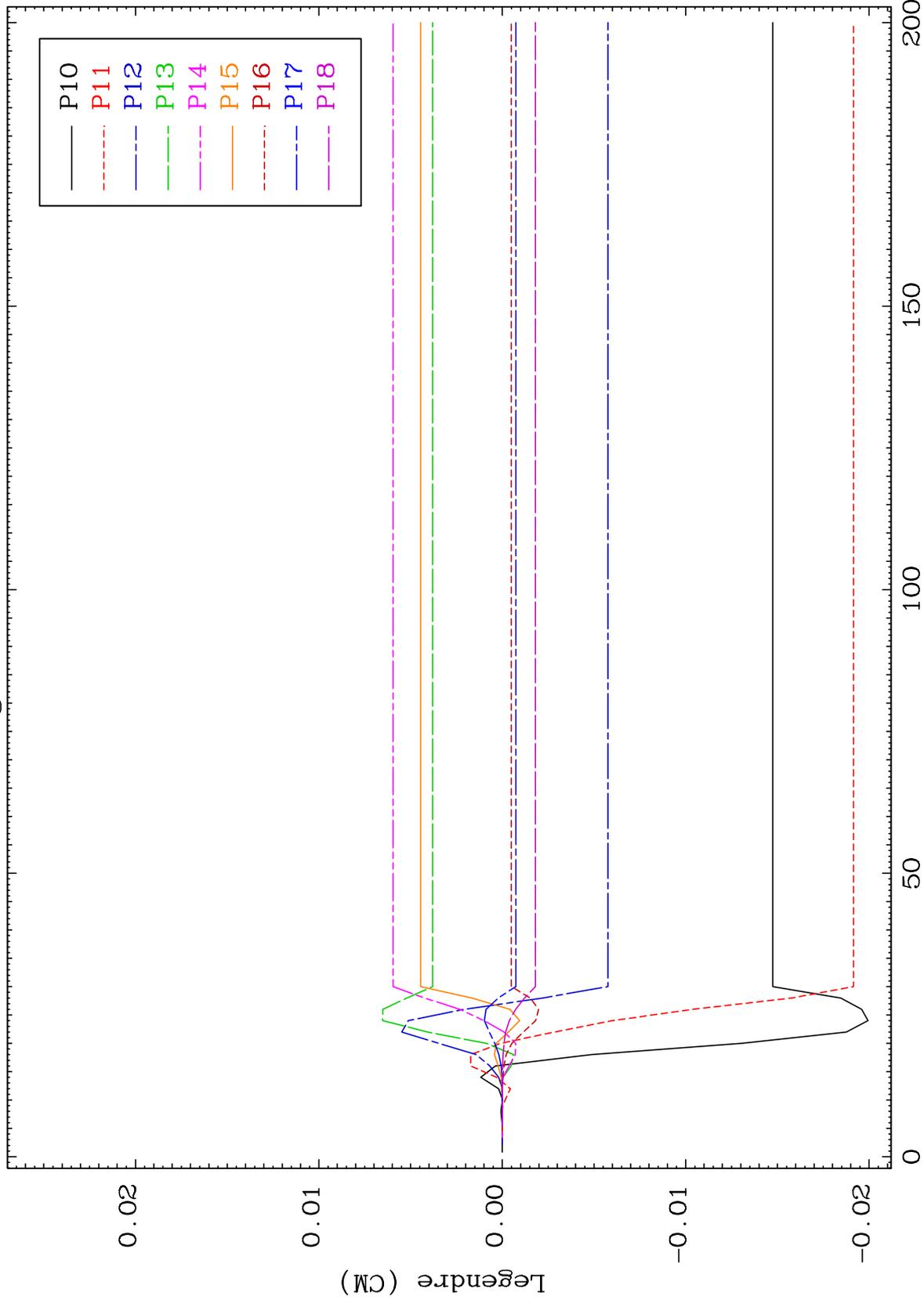
Incident Energy (MeV)

45

MAT 8777

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

88-Ra-207



46

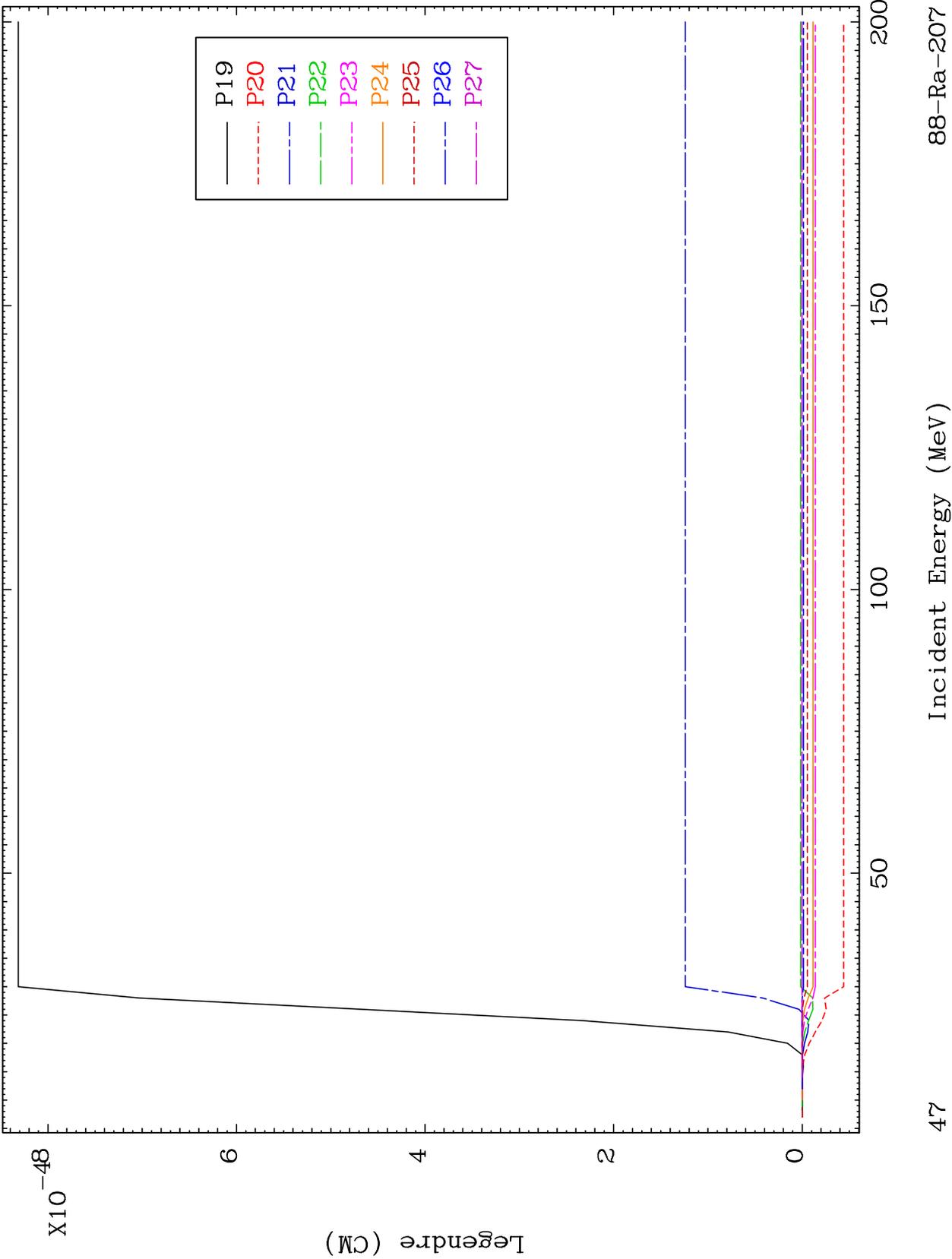
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

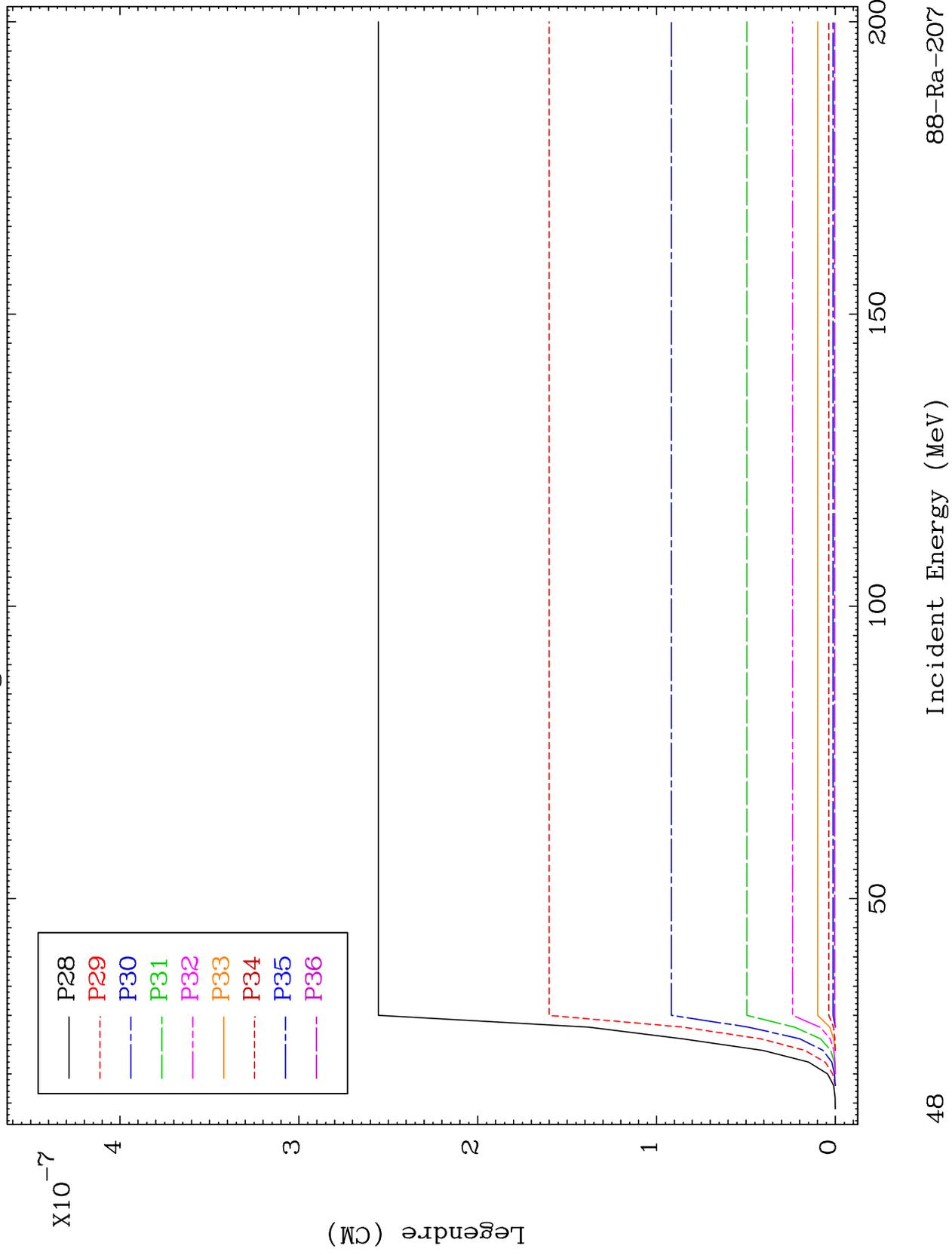
88-Ra-207



MAT 8777

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

88-Ra-207



48

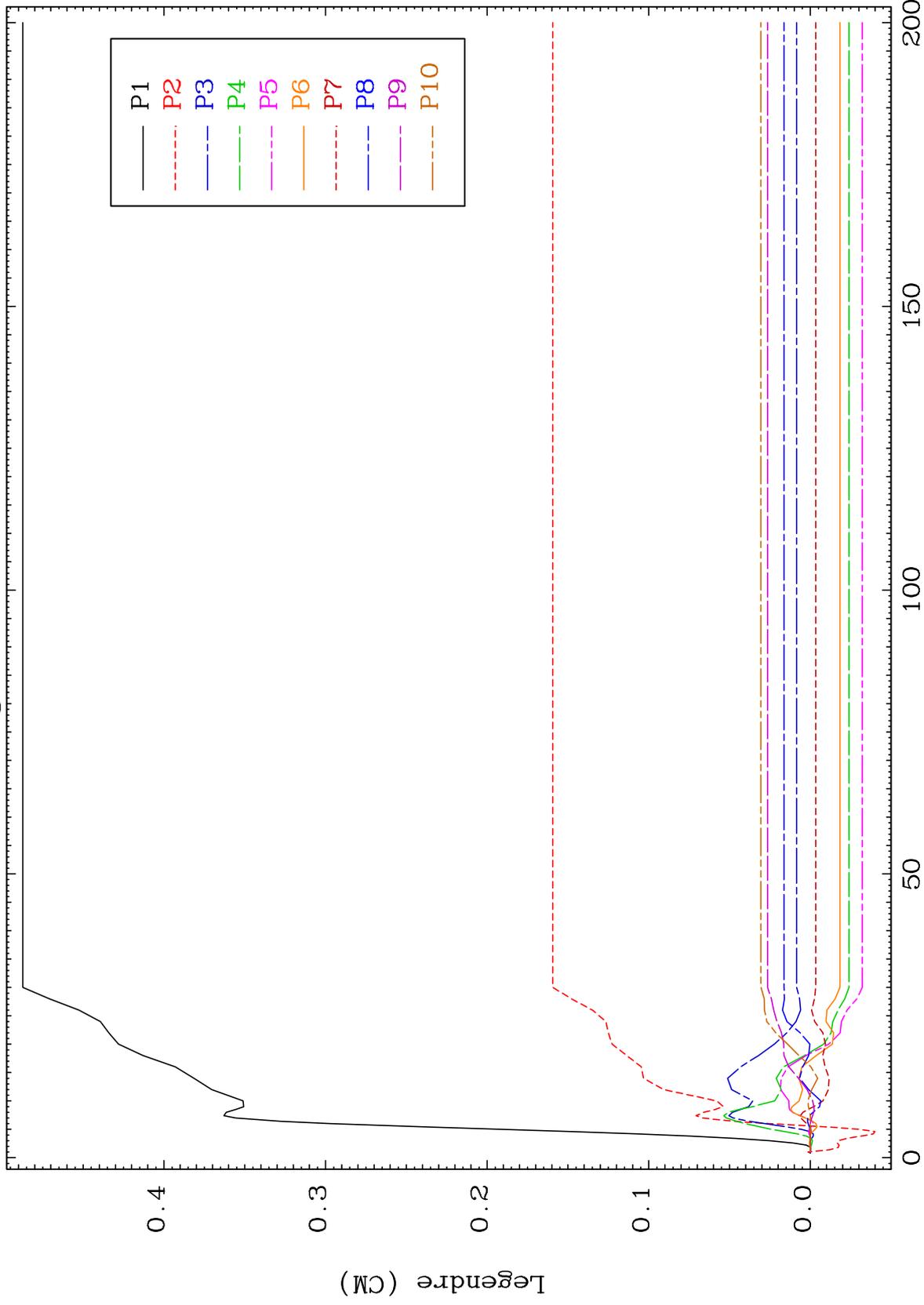
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



49

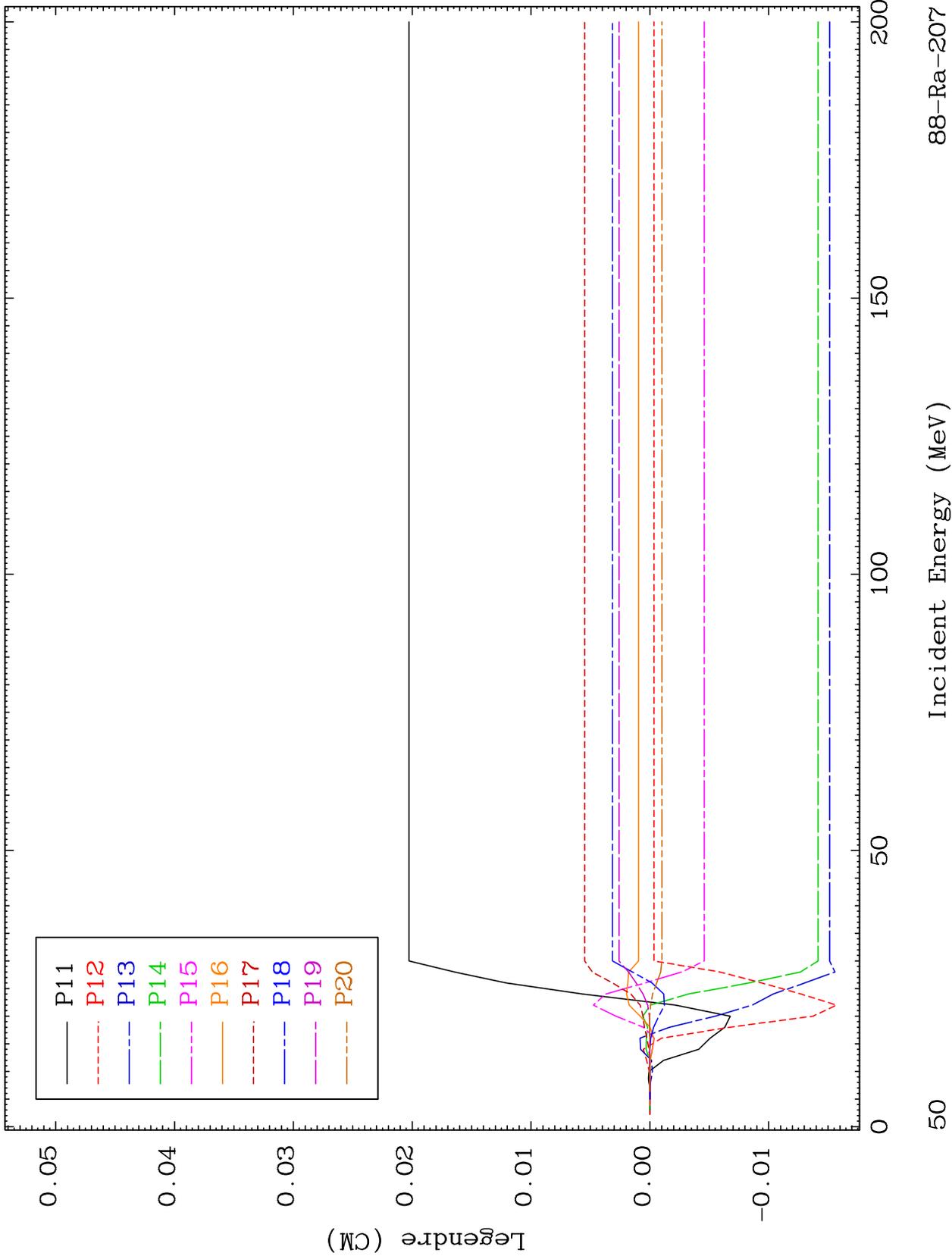
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207

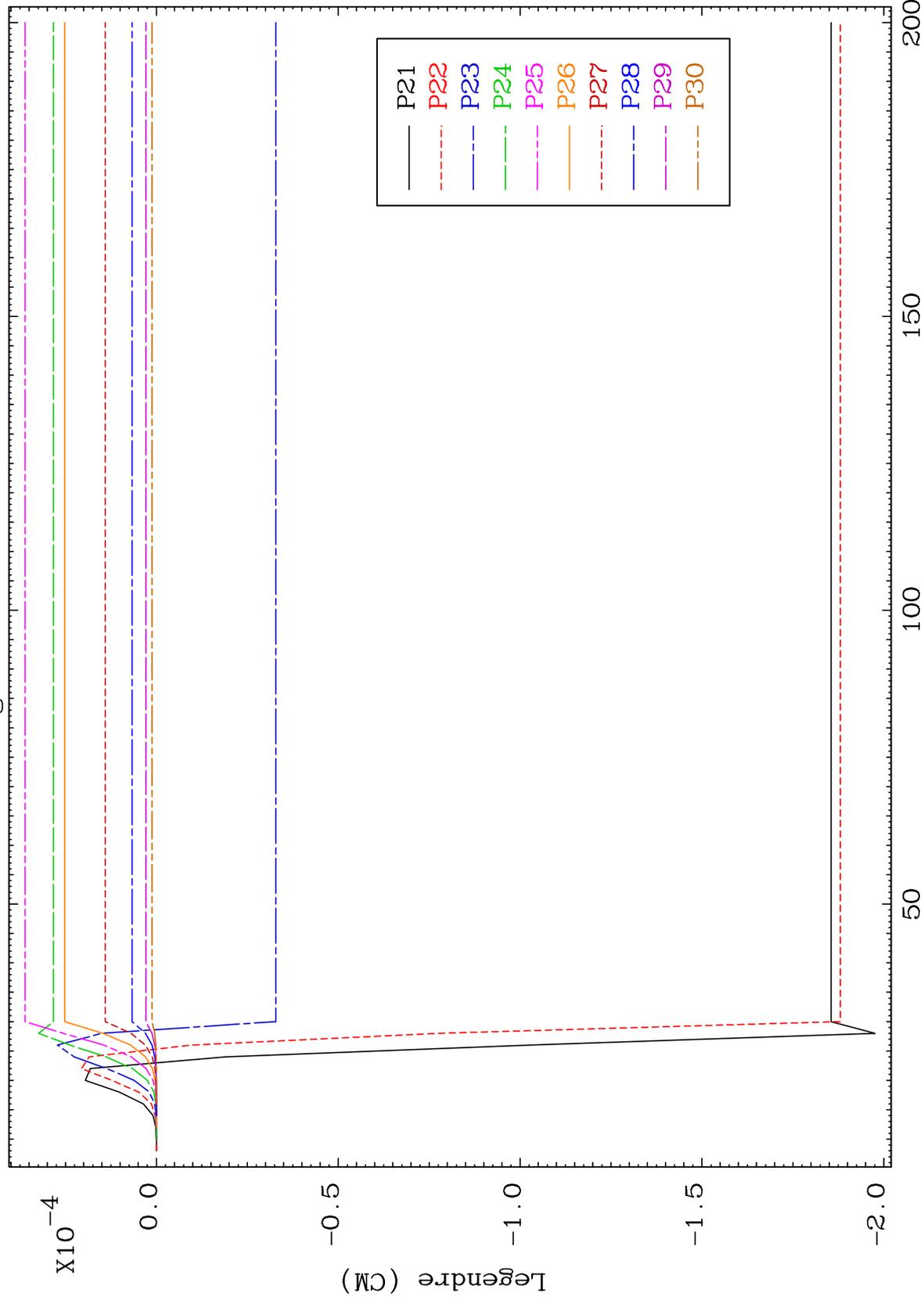


88-Ra-207

MAT 8777

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

88-Ra-207



51

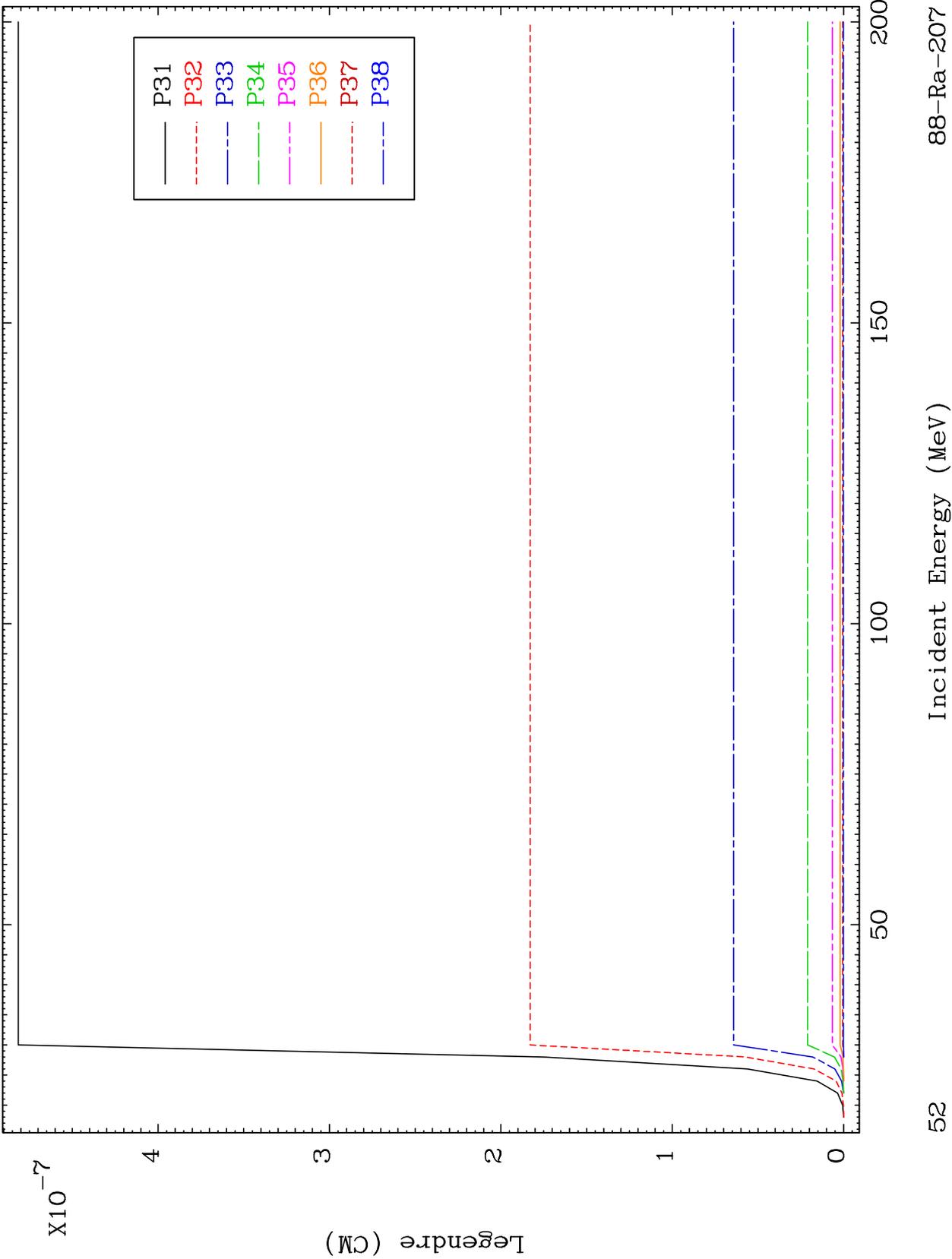
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



52

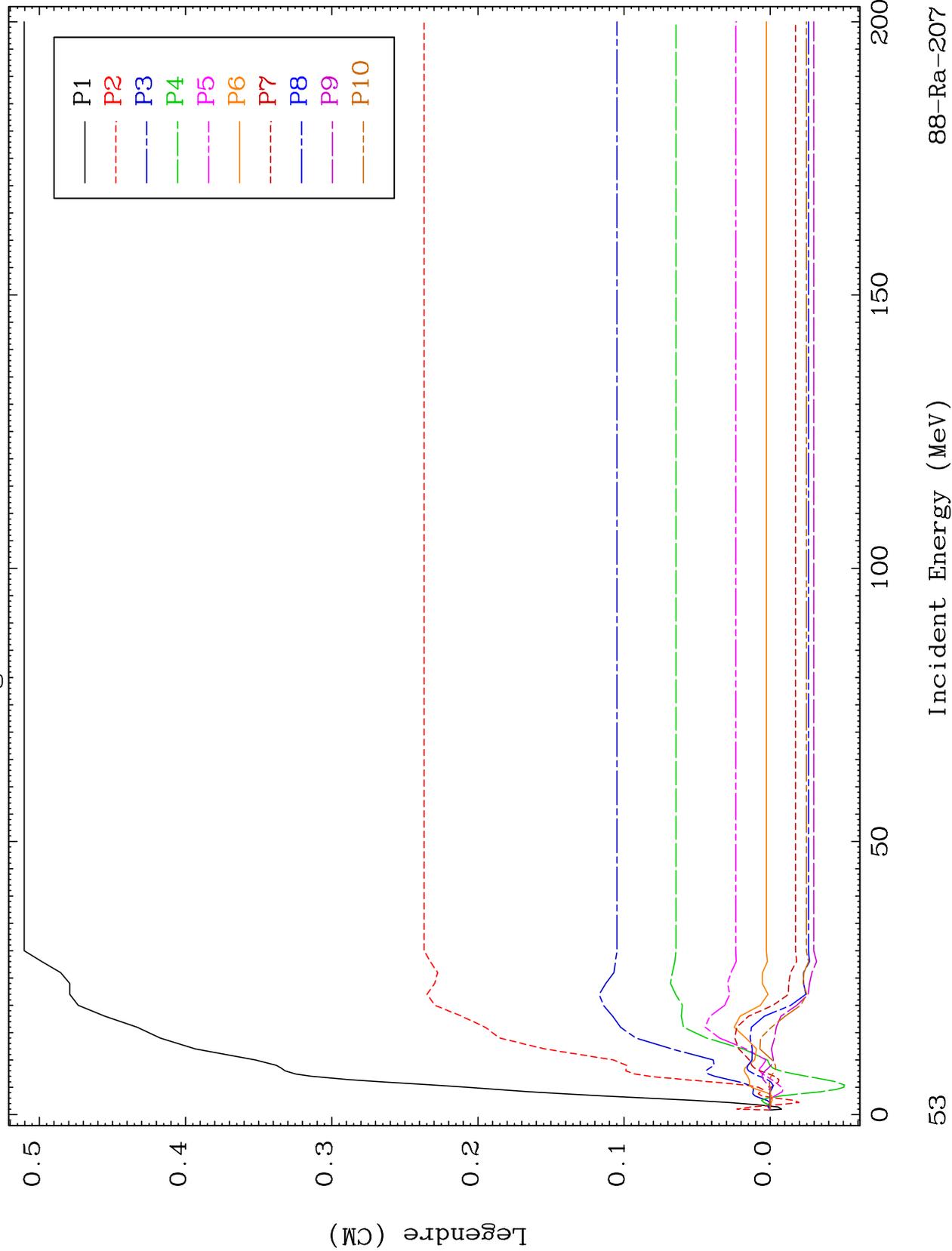
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



88-Ra-207

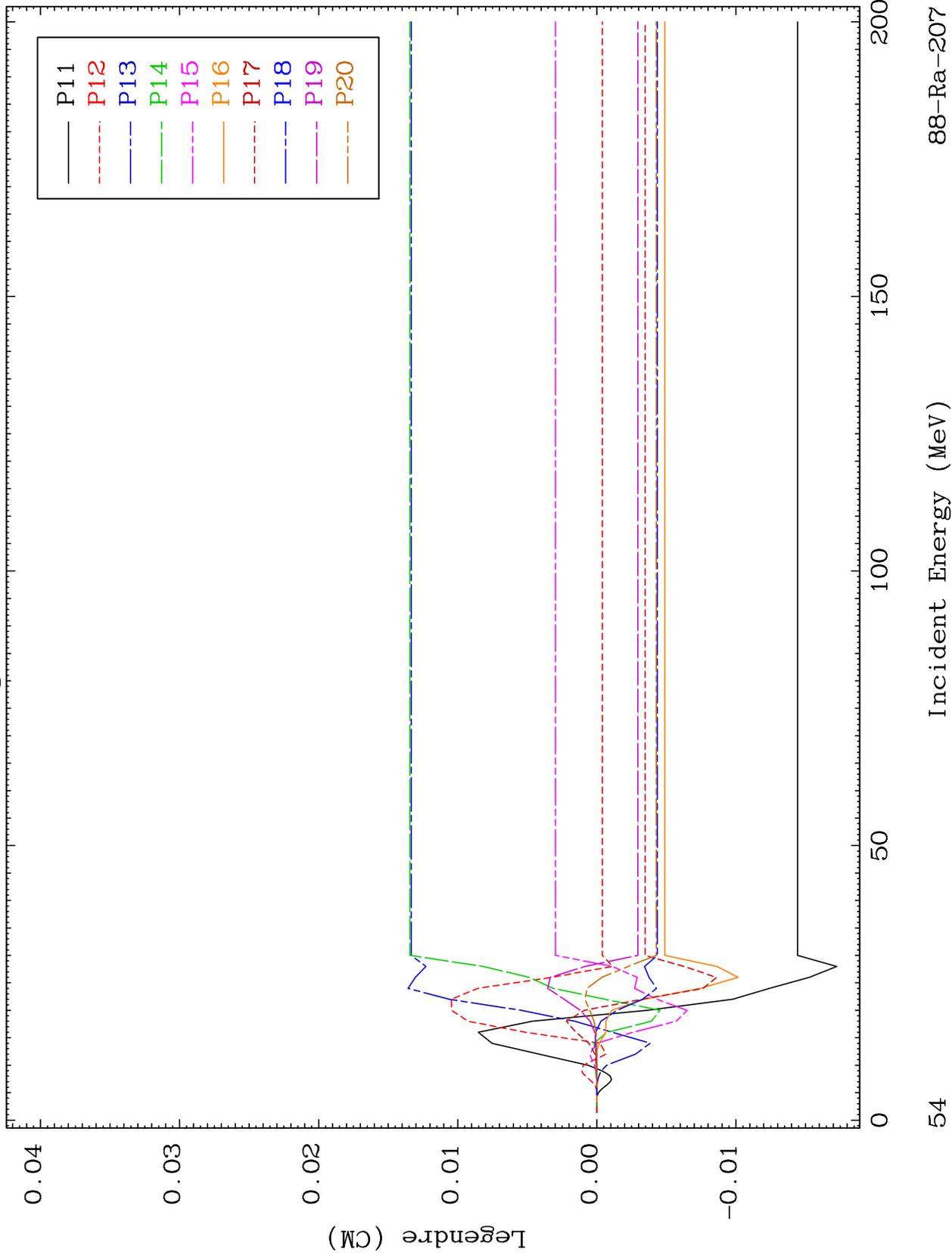
Incident Energy (MeV)

53

MAT 8777

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

88-Ra-207



88-Ra-207

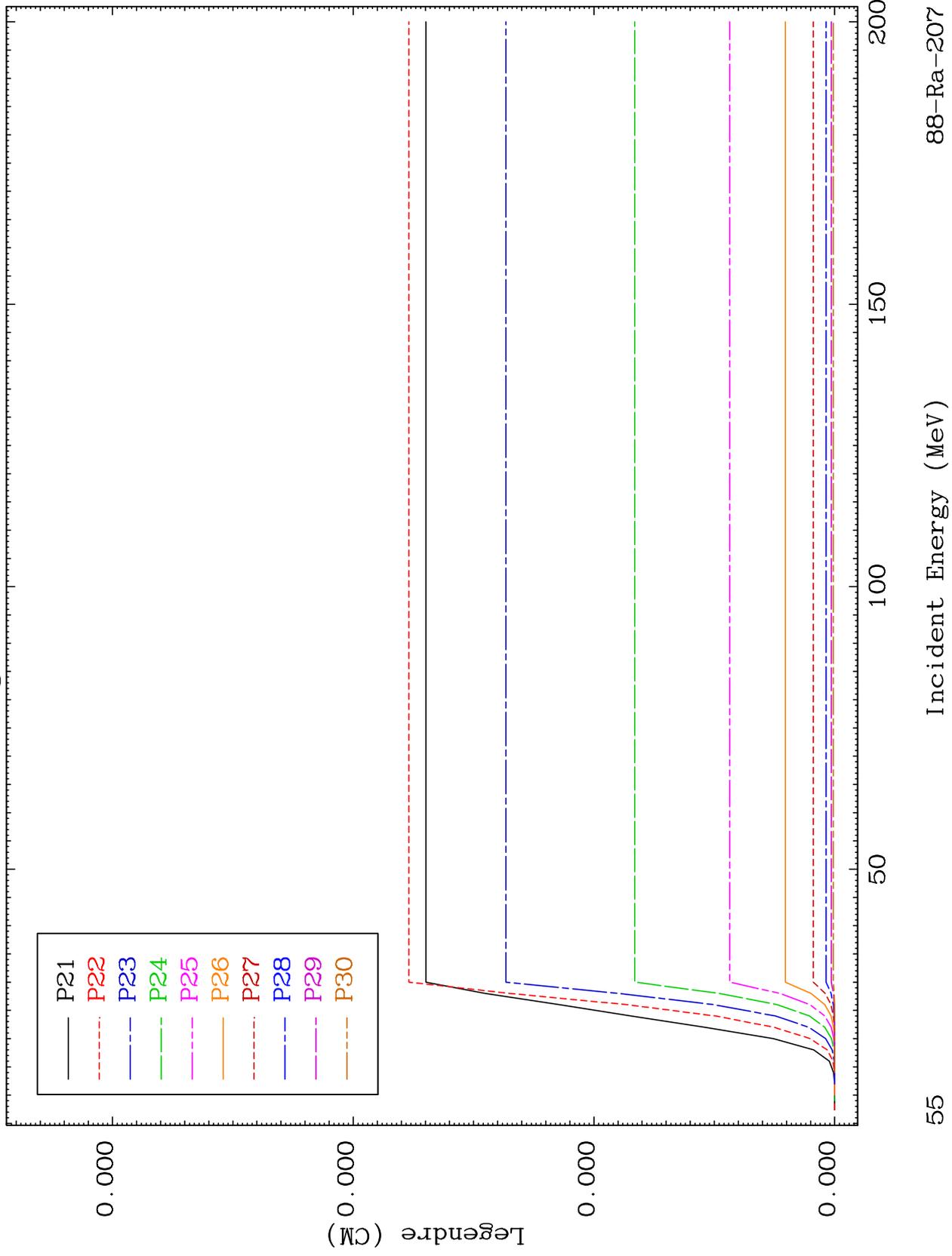
Incident Energy (MeV)

54

MAT 8777

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

88-Ra-207



55

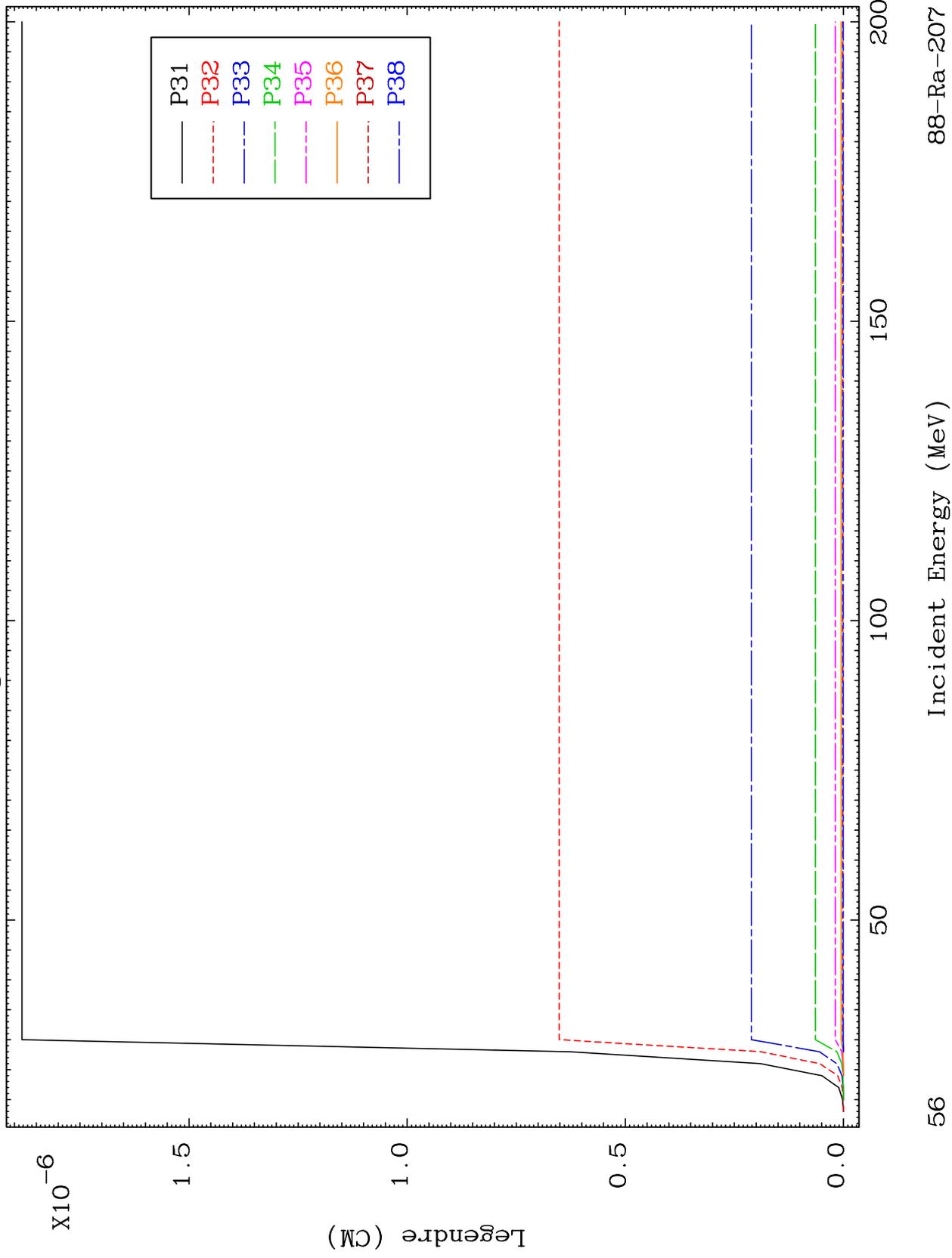
Incident Energy (MeV)

88-Ra-207

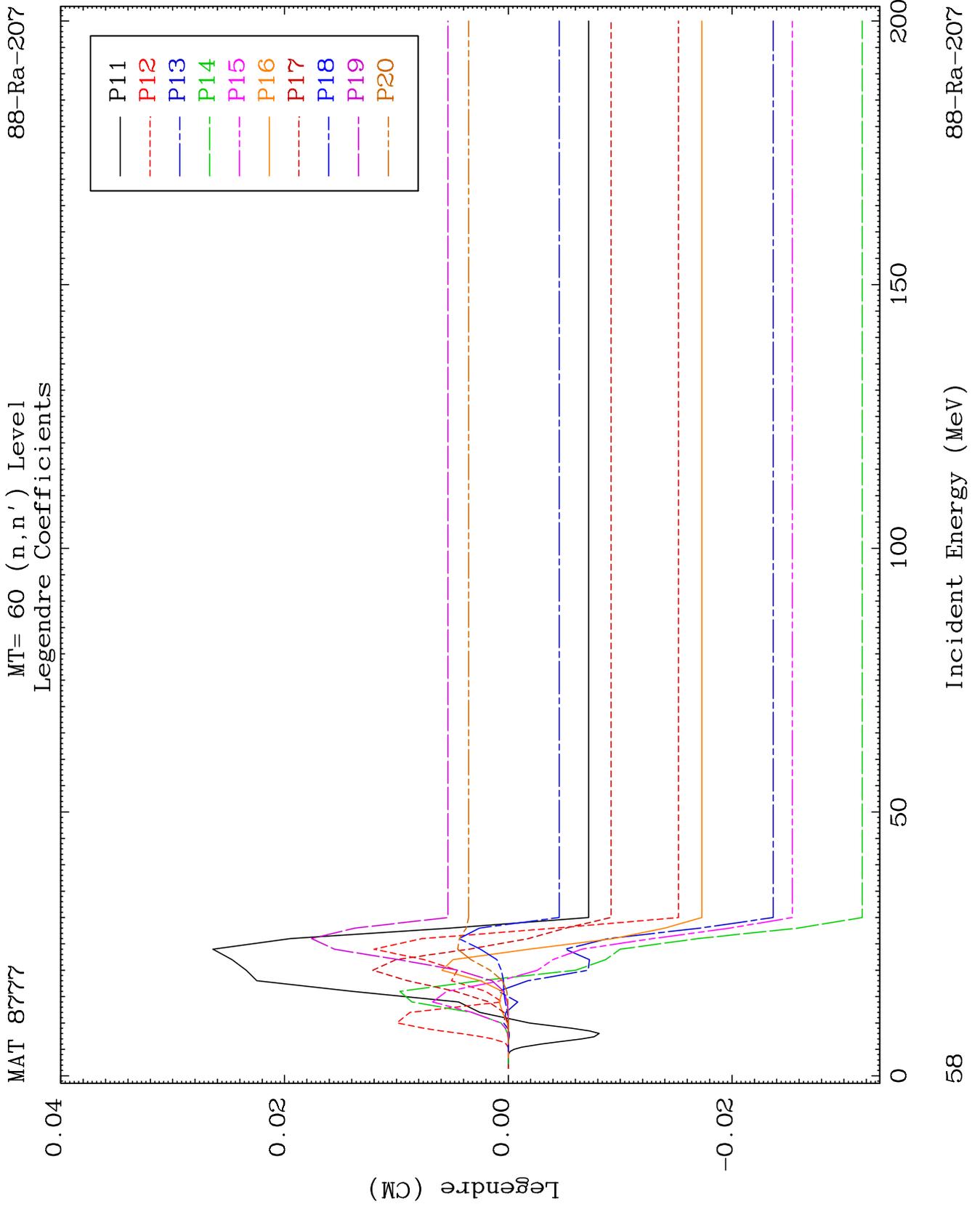
MAT 8777

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

88-Ra-207



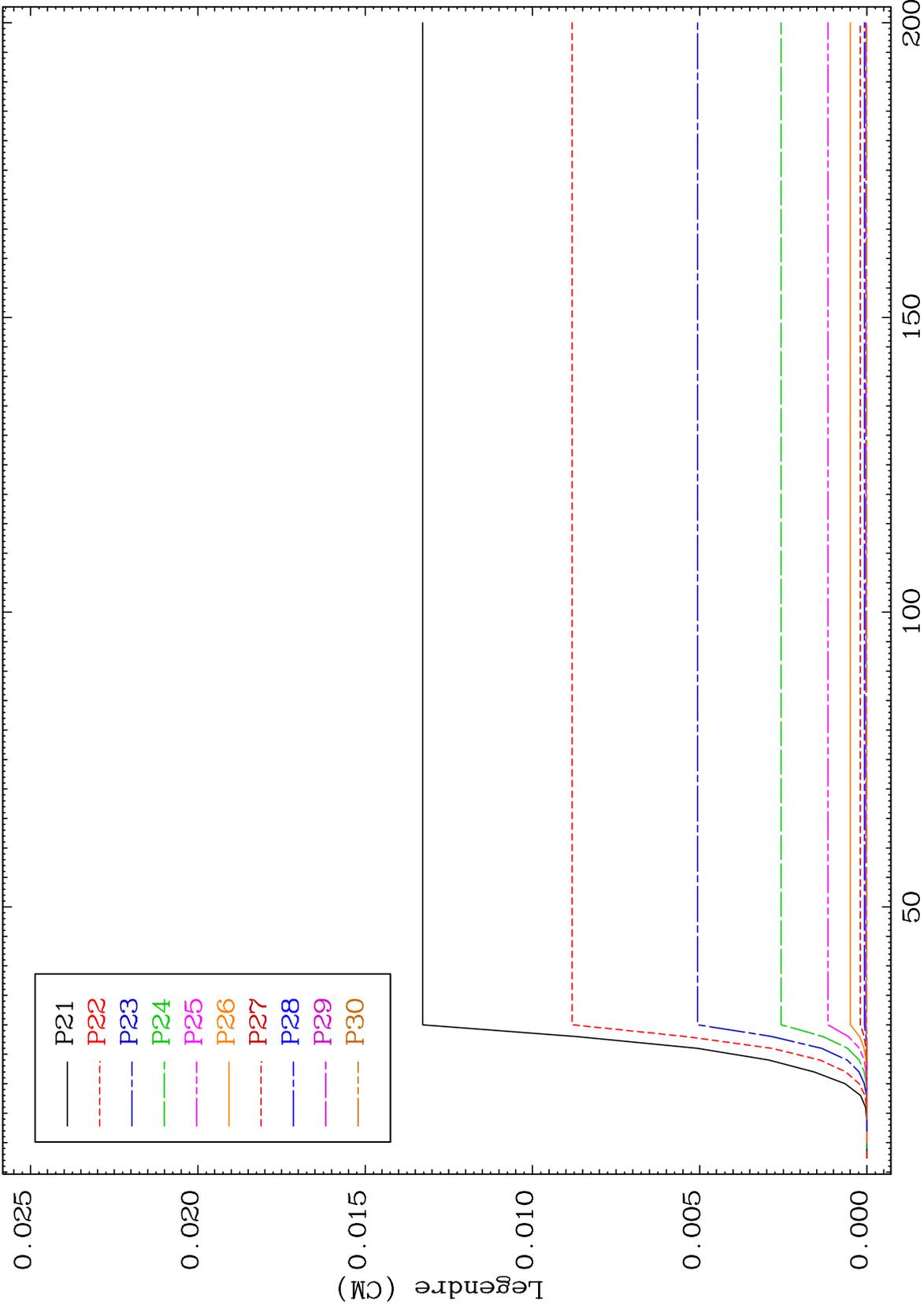
56



MAT 8777

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

88-Ra-207



59

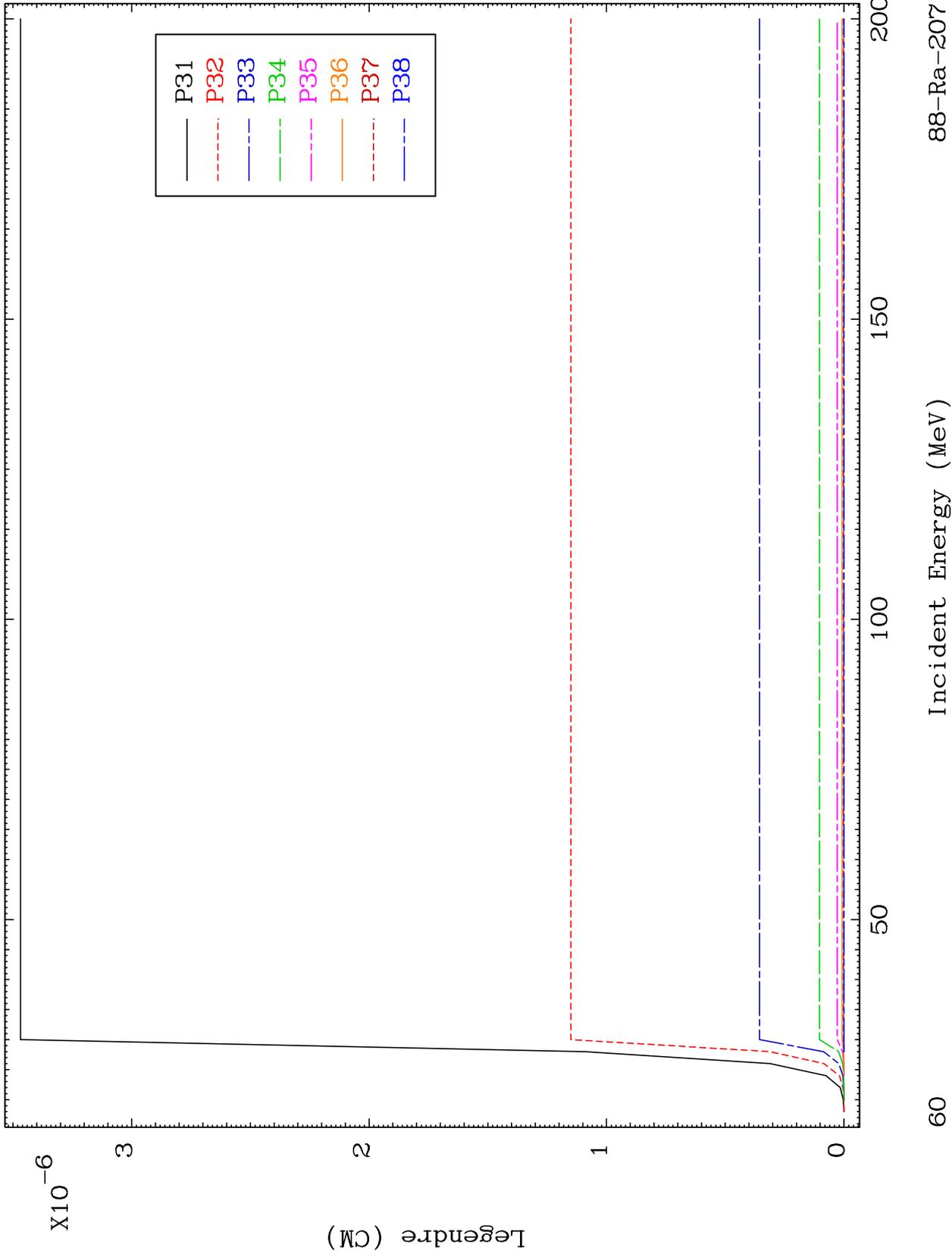
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207

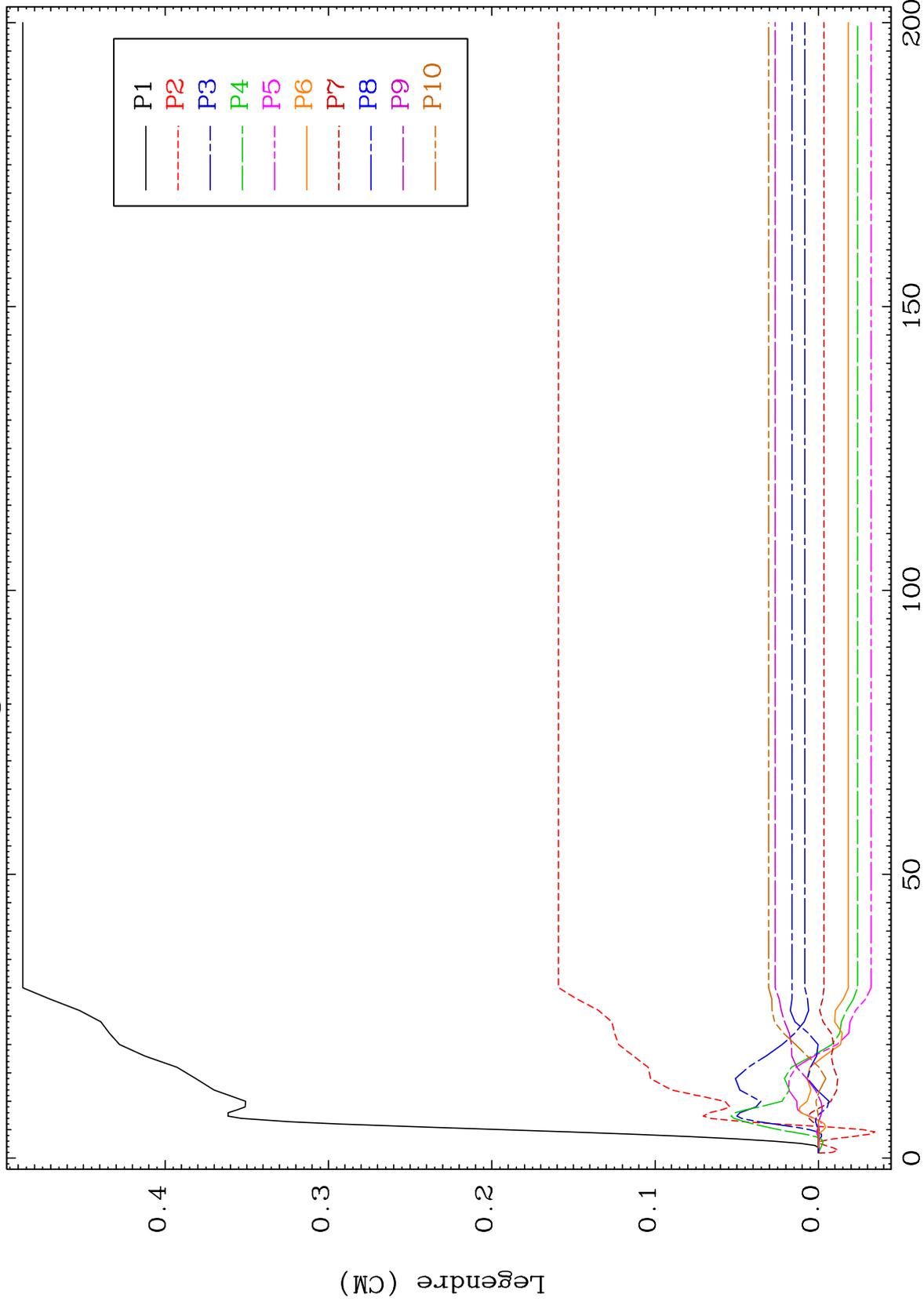


88-Ra-207

MAT 8777

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

88-Ra-207



61

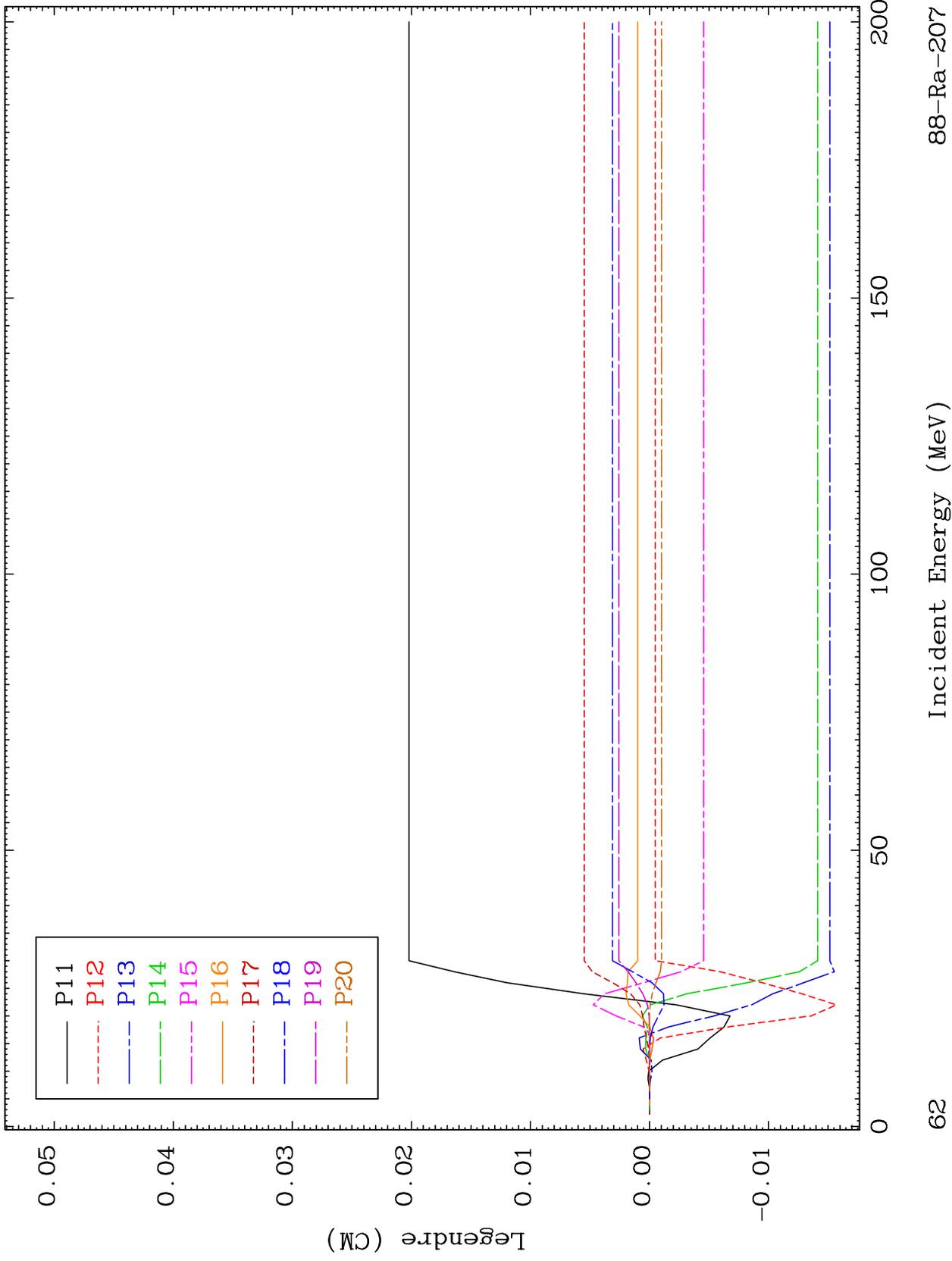
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



88-Ra-207

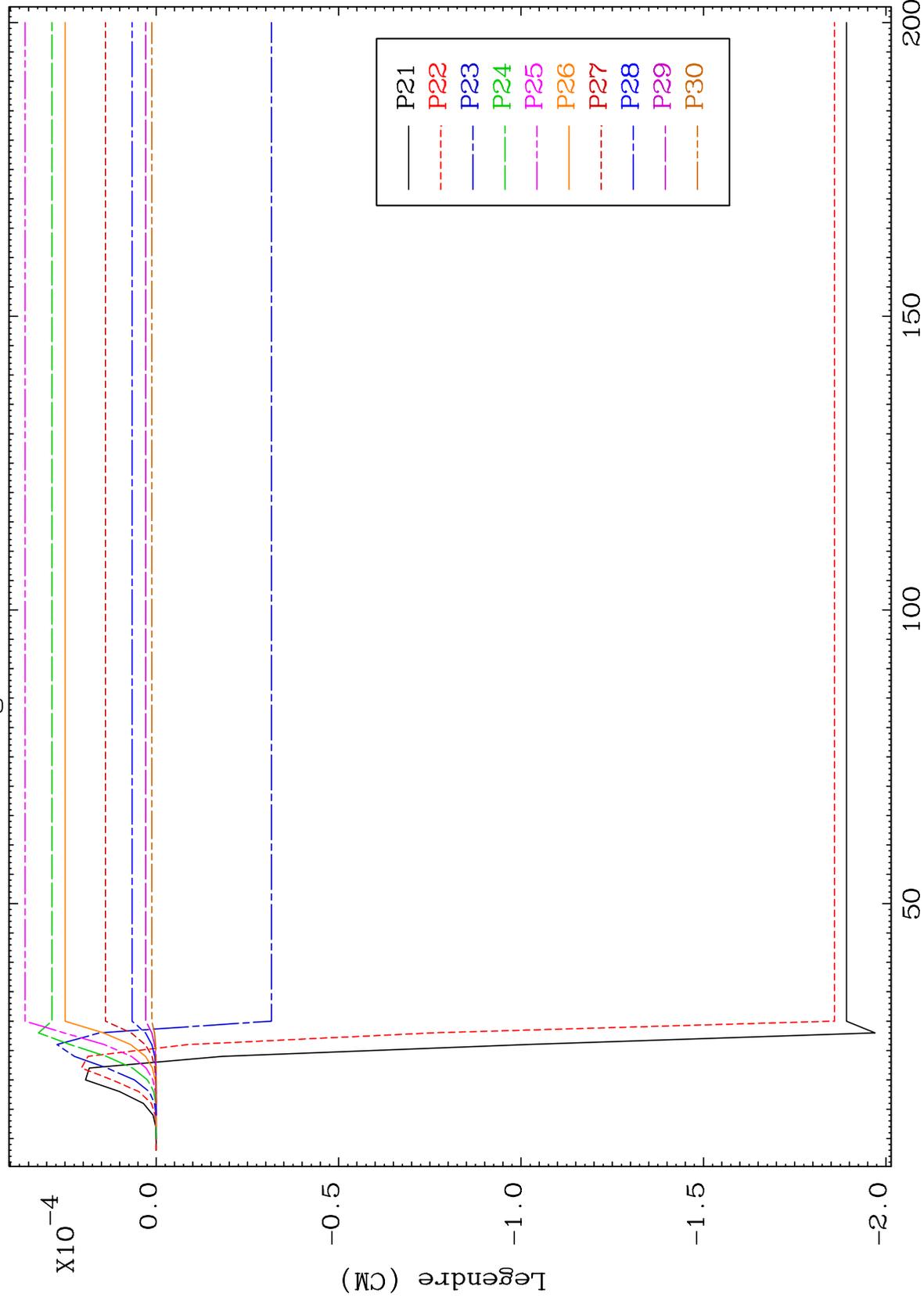
Incident Energy (MeV)

62

MAT 8777

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

88-Ra-207



63

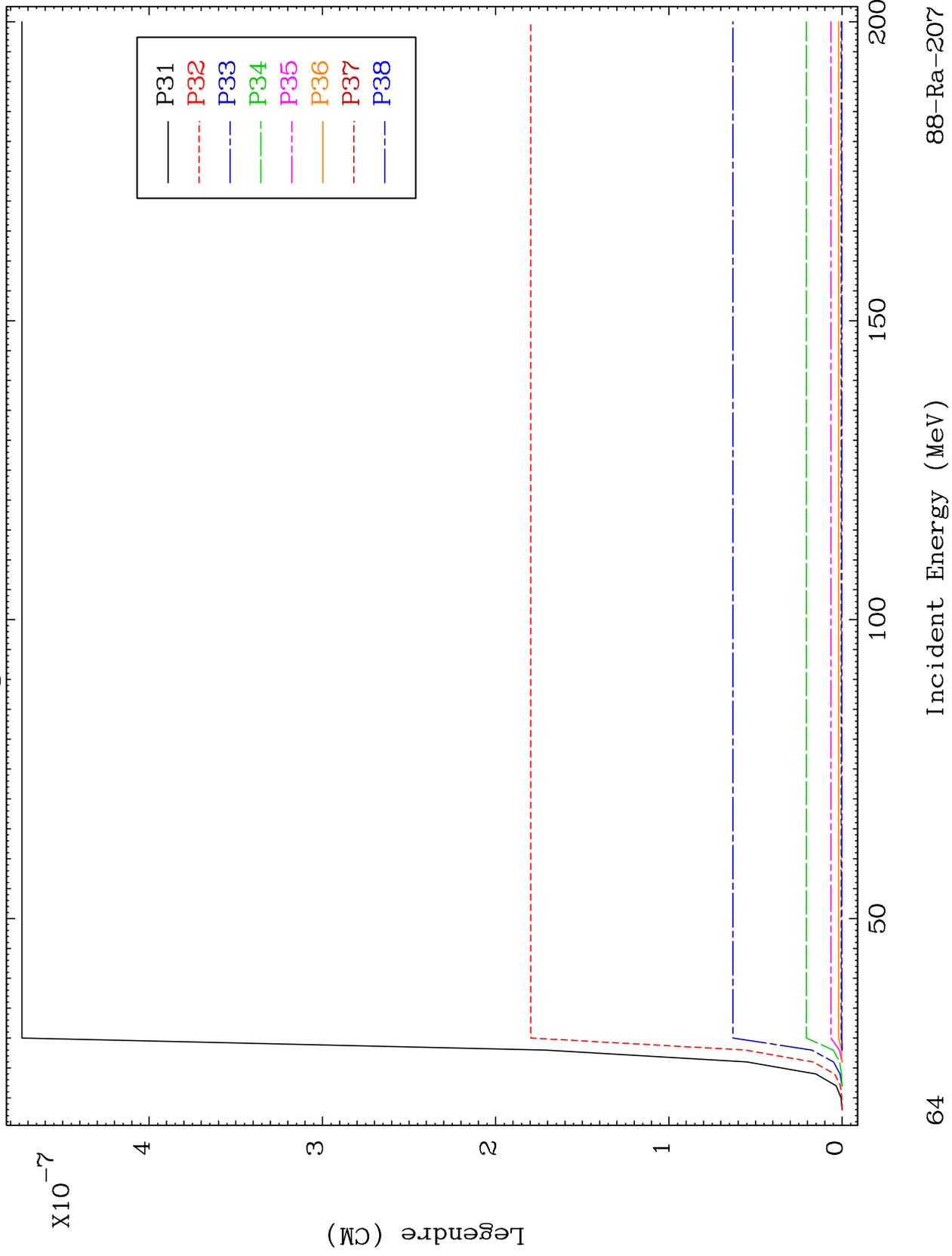
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



64

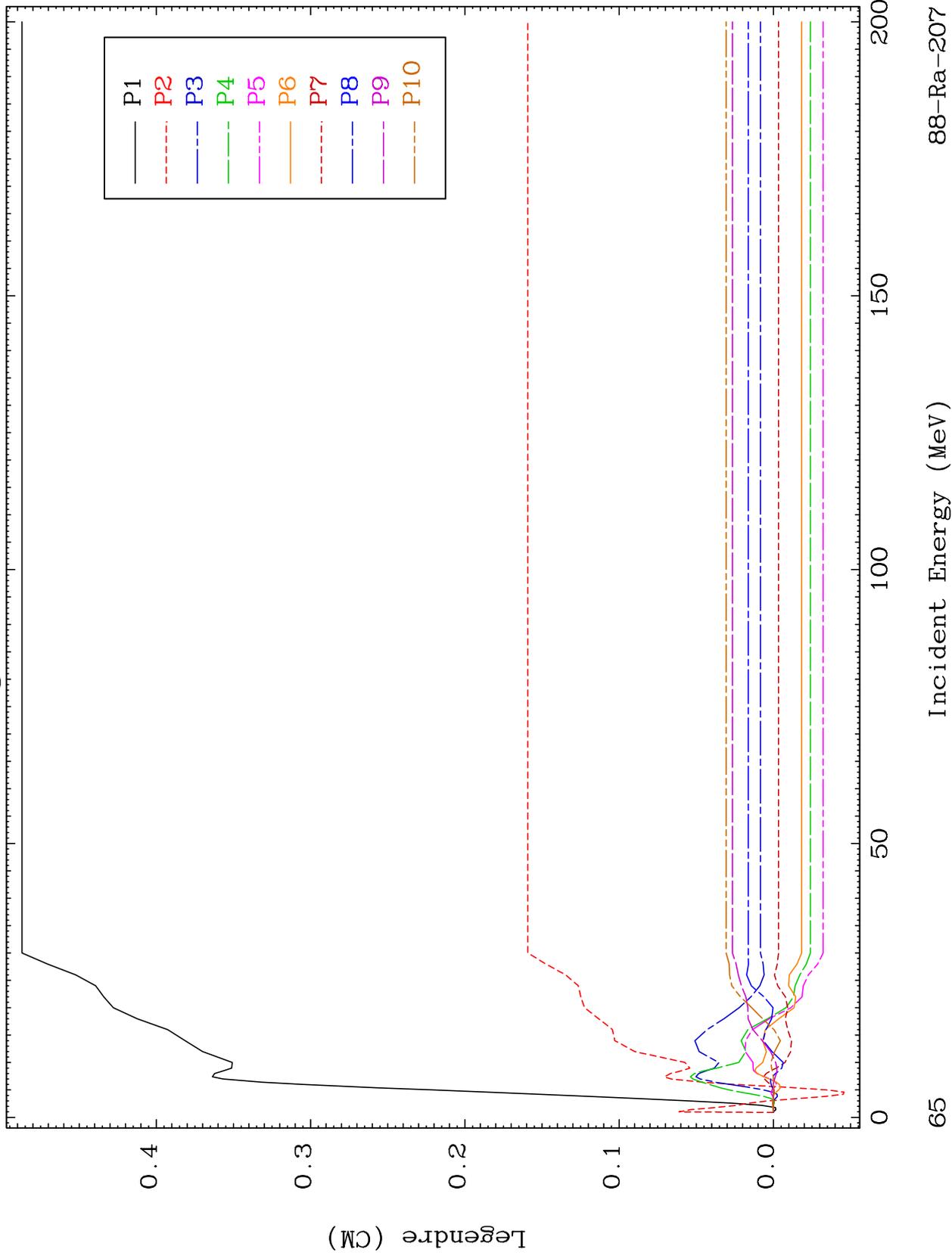
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



88-Ra-207

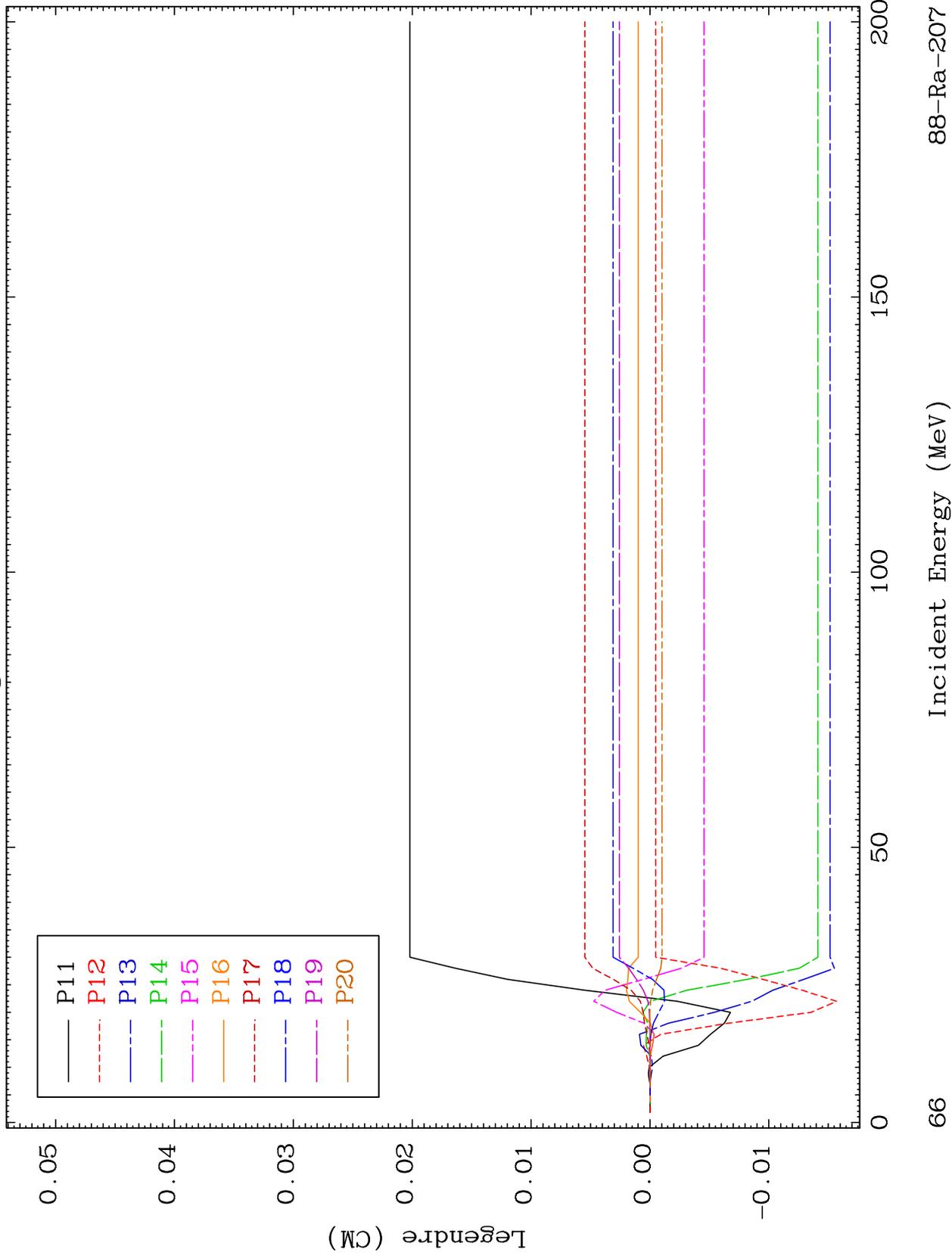
Incident Energy (MeV)

65

MAT 8777

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

88-Ra-207



88-Ra-207

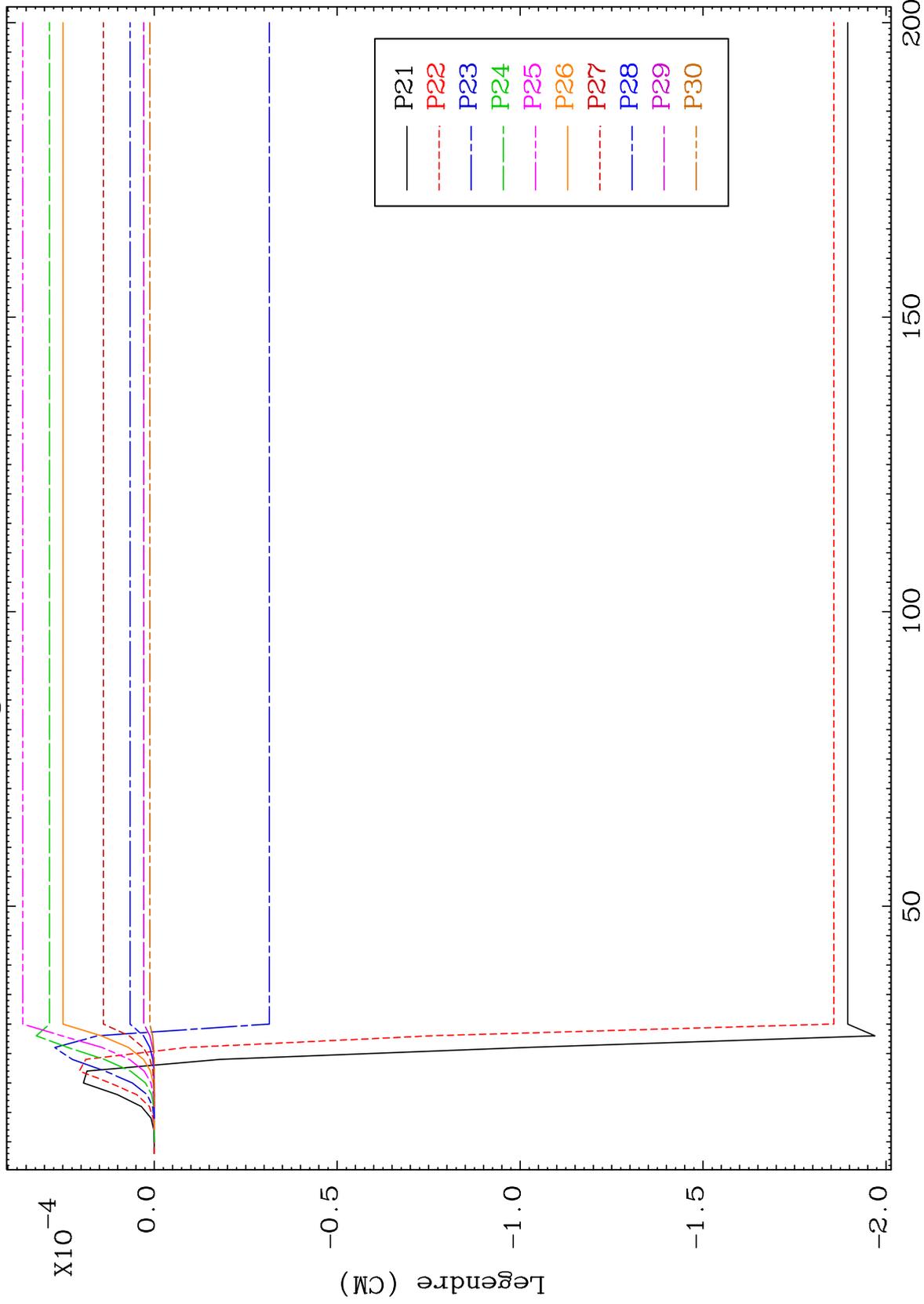
Incident Energy (MeV)

66

MAT 8777

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

88-Ra-207



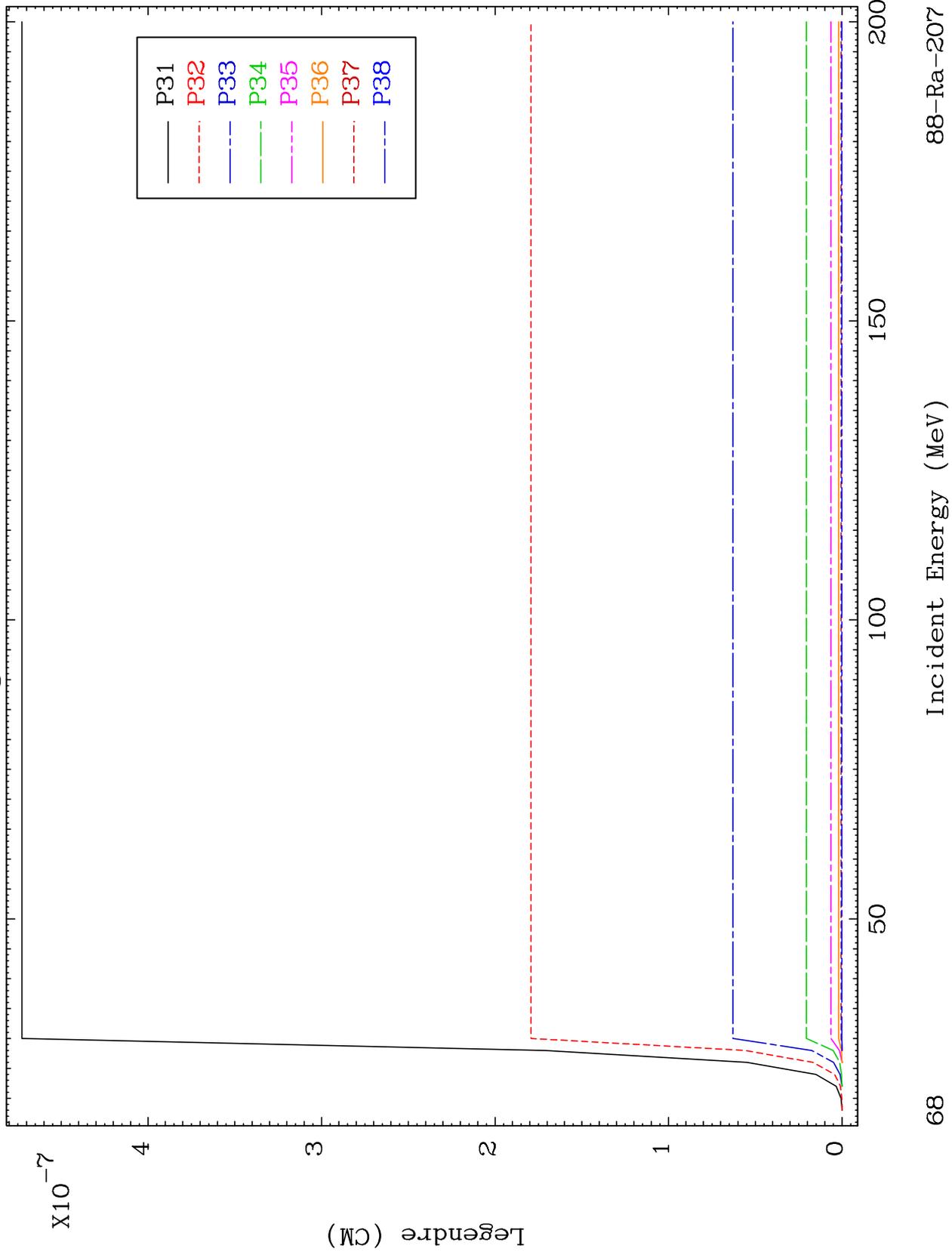
67

88-Ra-207

MAT 8777

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

88-Ra-207



88-Ra-207

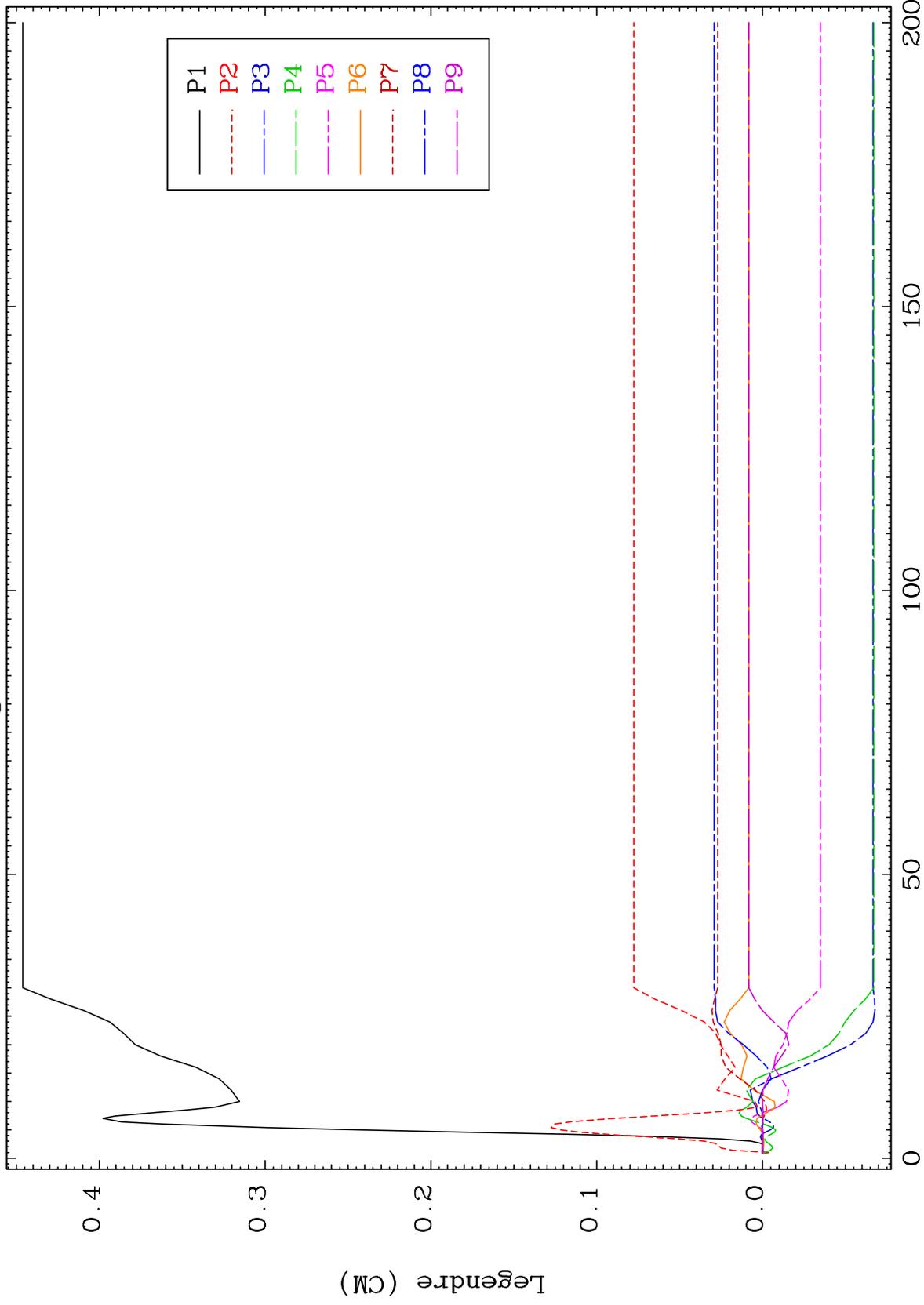
Incident Energy (MeV)

68

MAT 8777

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

88-Ra-207



69

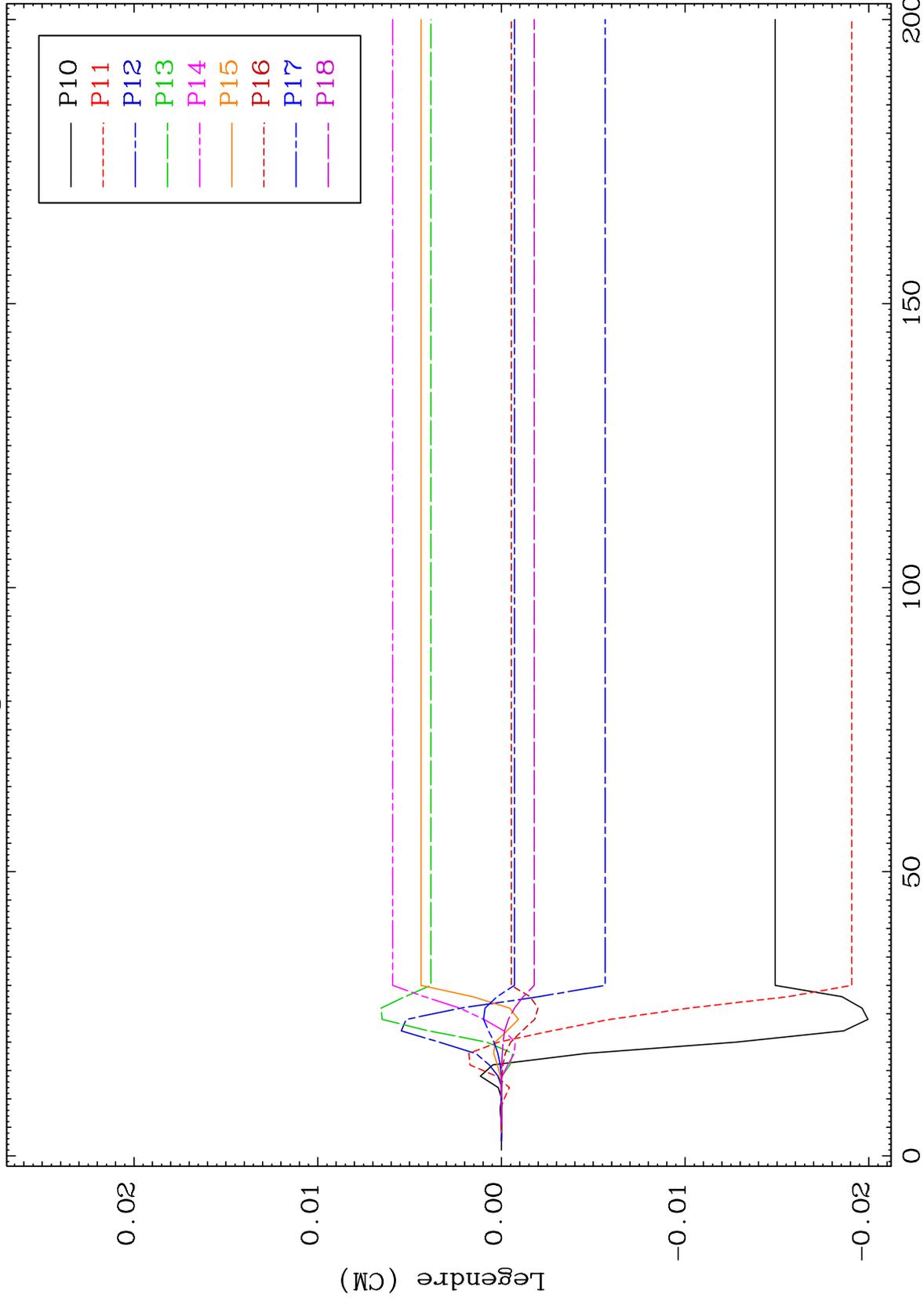
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



70

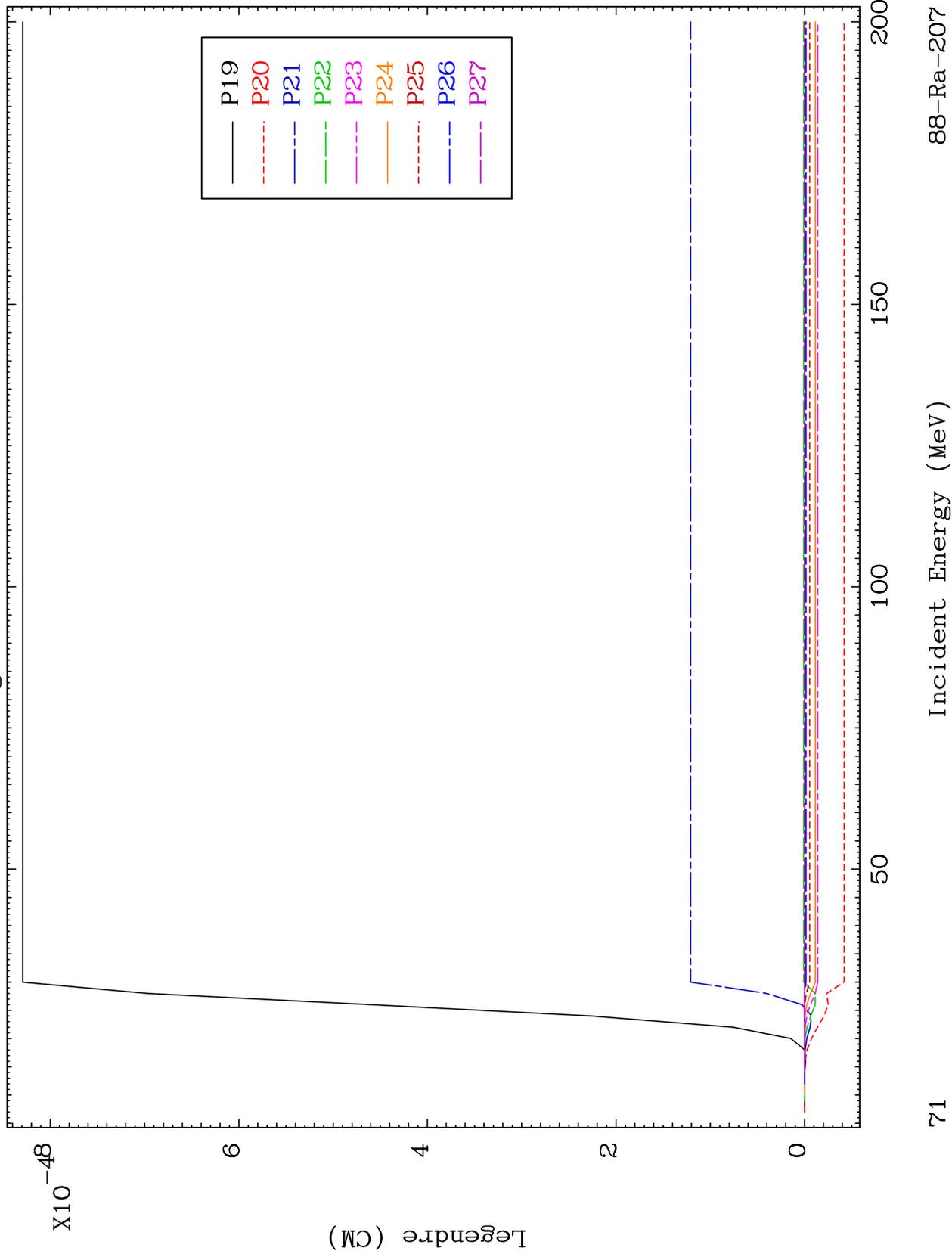
Incident Energy (MeV)

88-Ra-207

MAT 87777

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

88-Ra-207



71

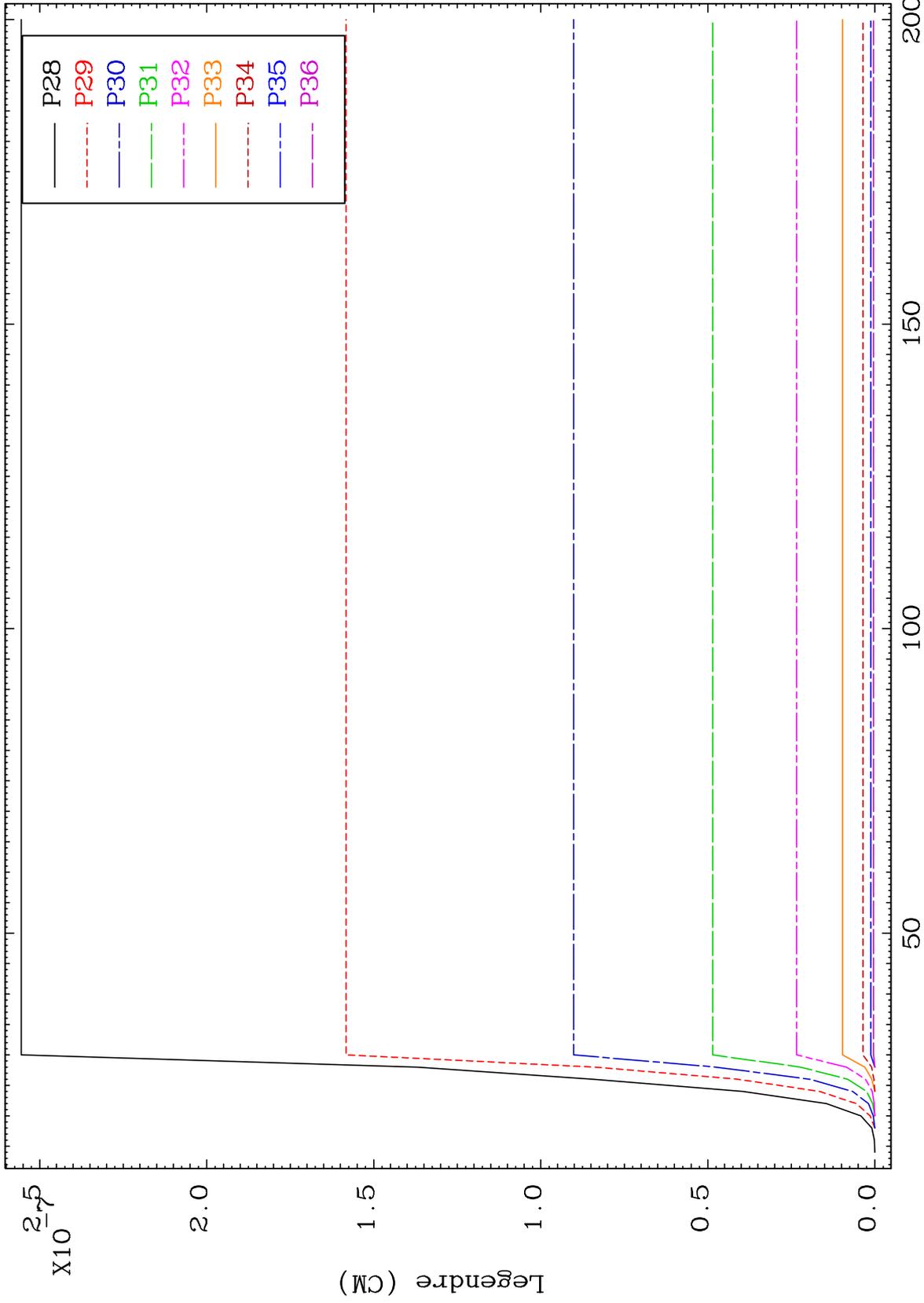
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



72

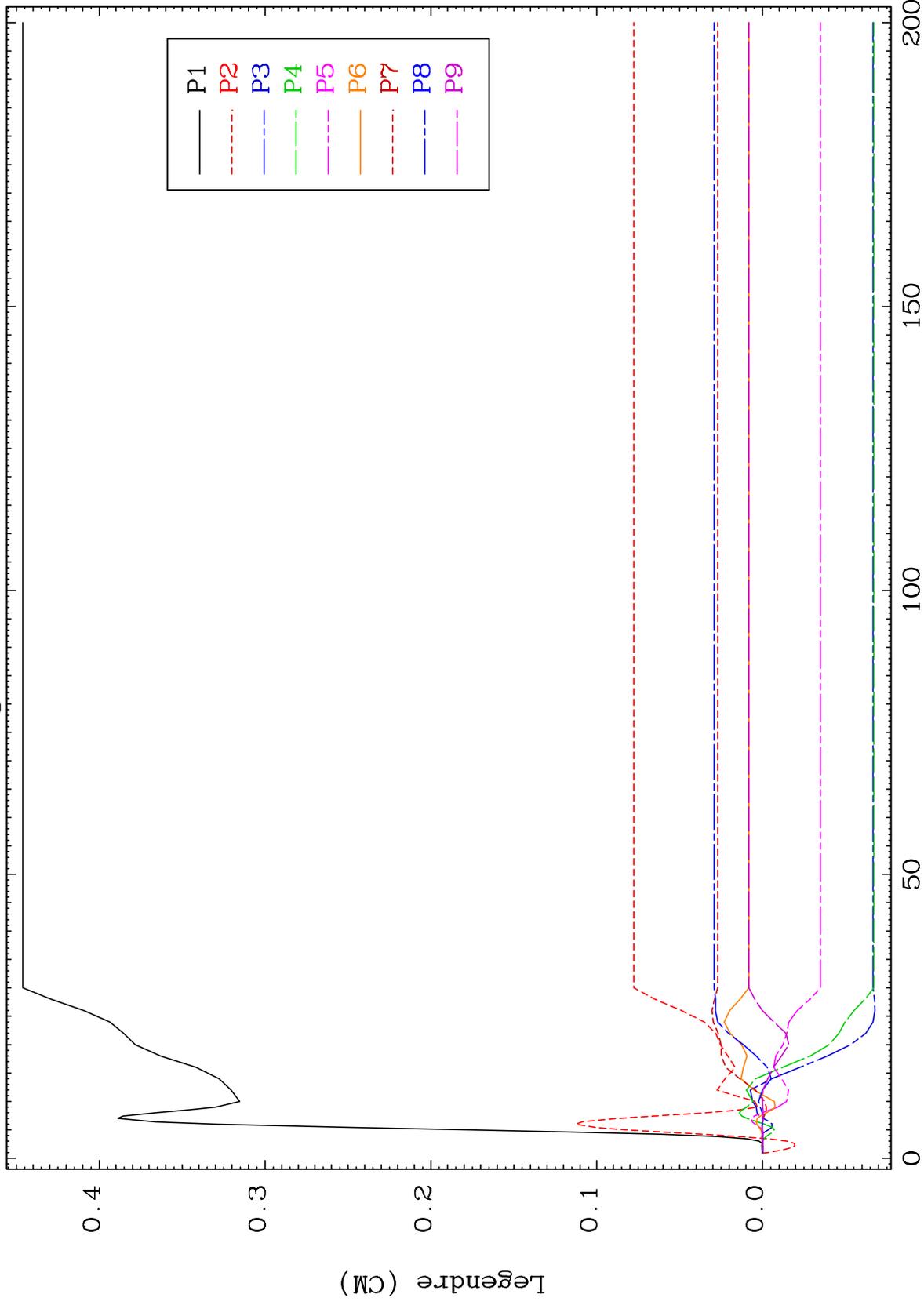
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



73

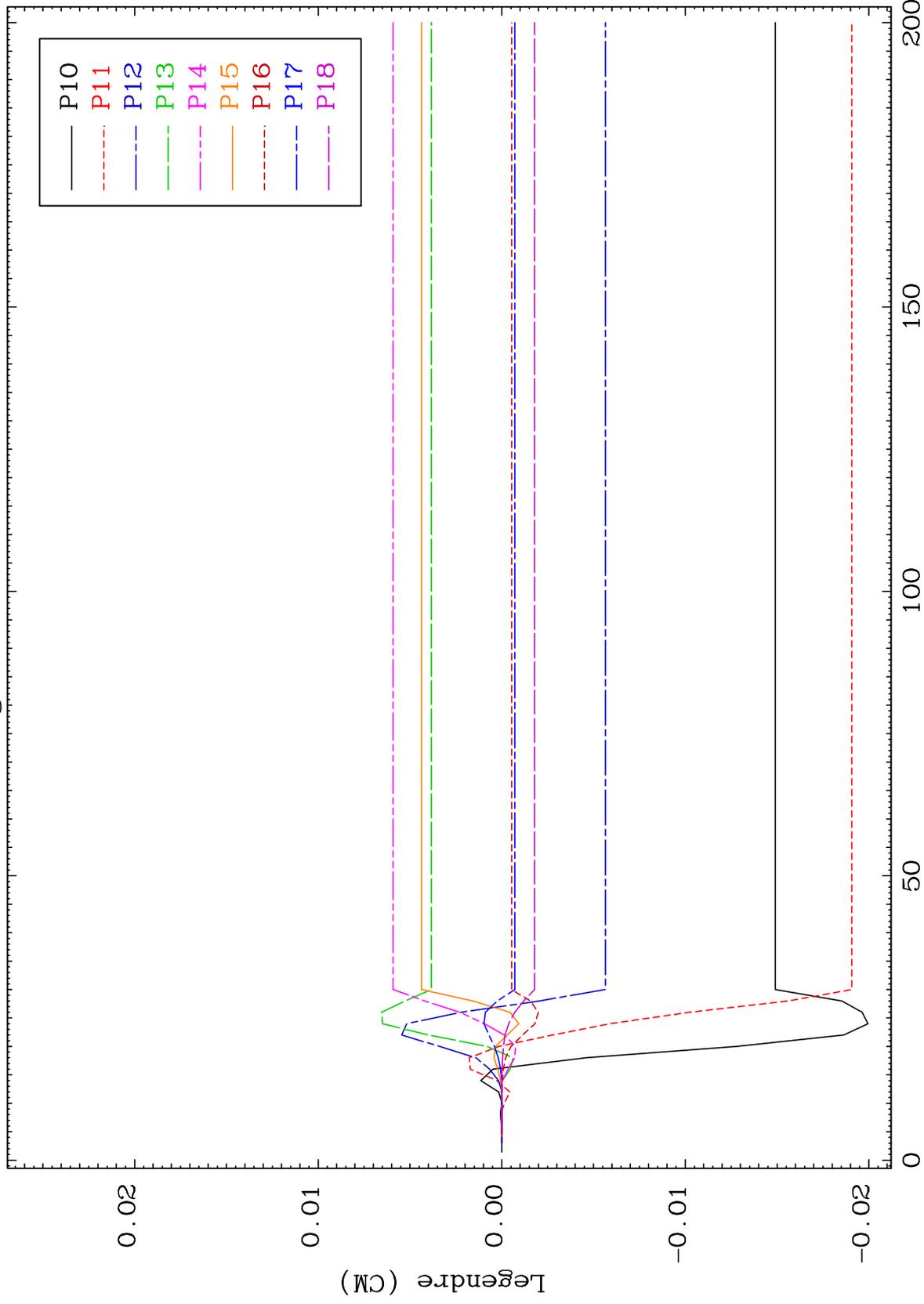
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



74

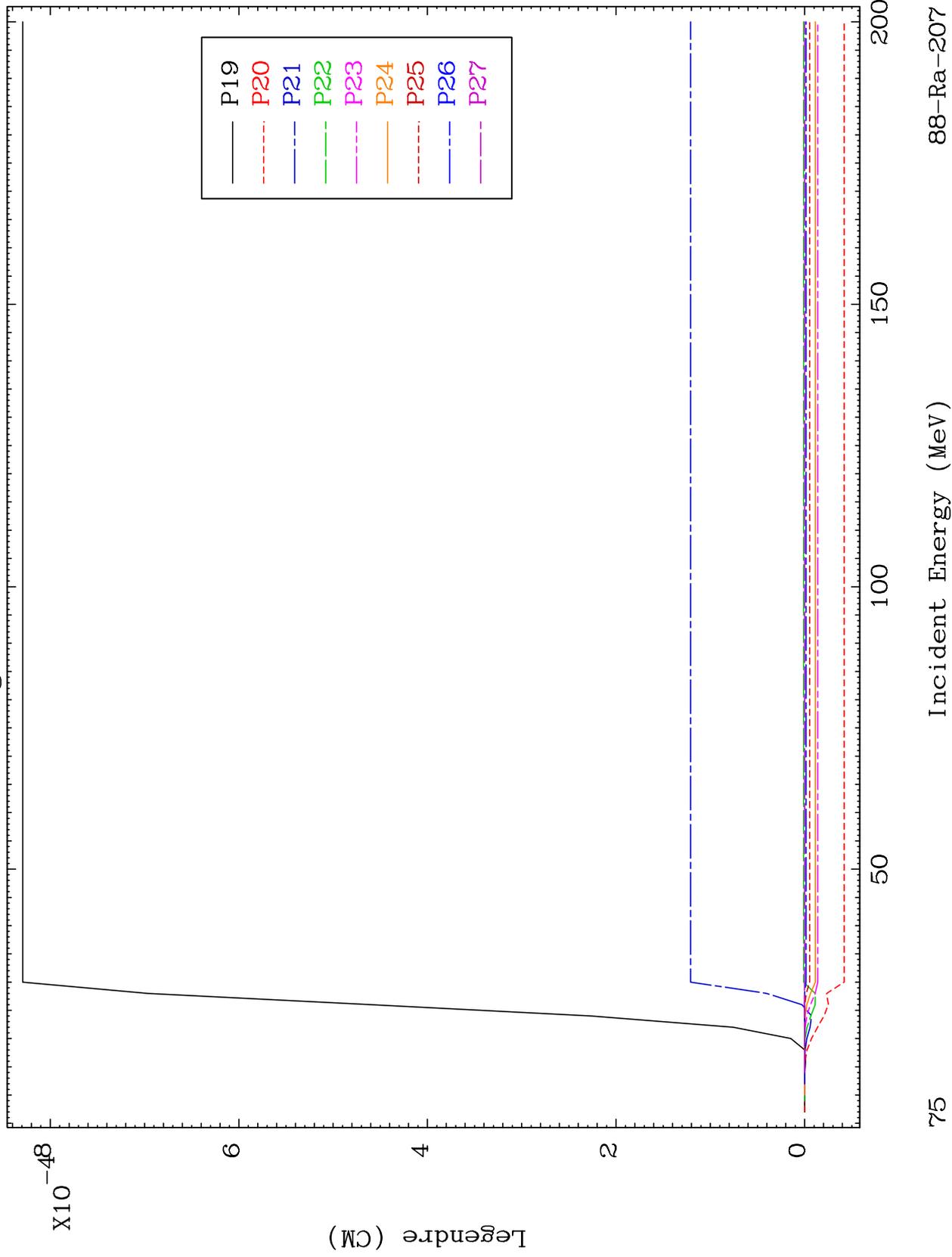
Incident Energy (MeV)

88-Ra-207

MAT 87777

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

88-Ra-207



75

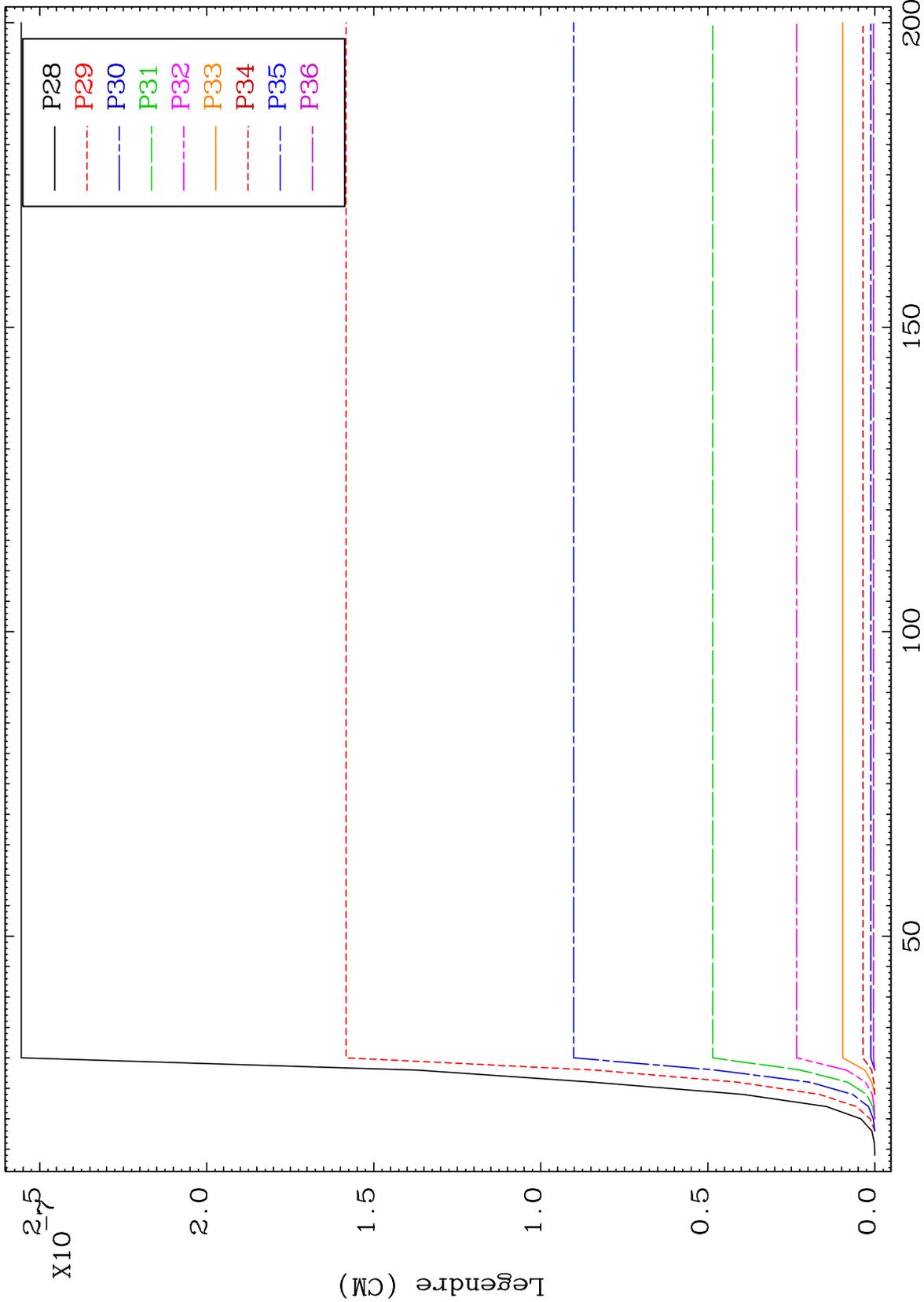
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

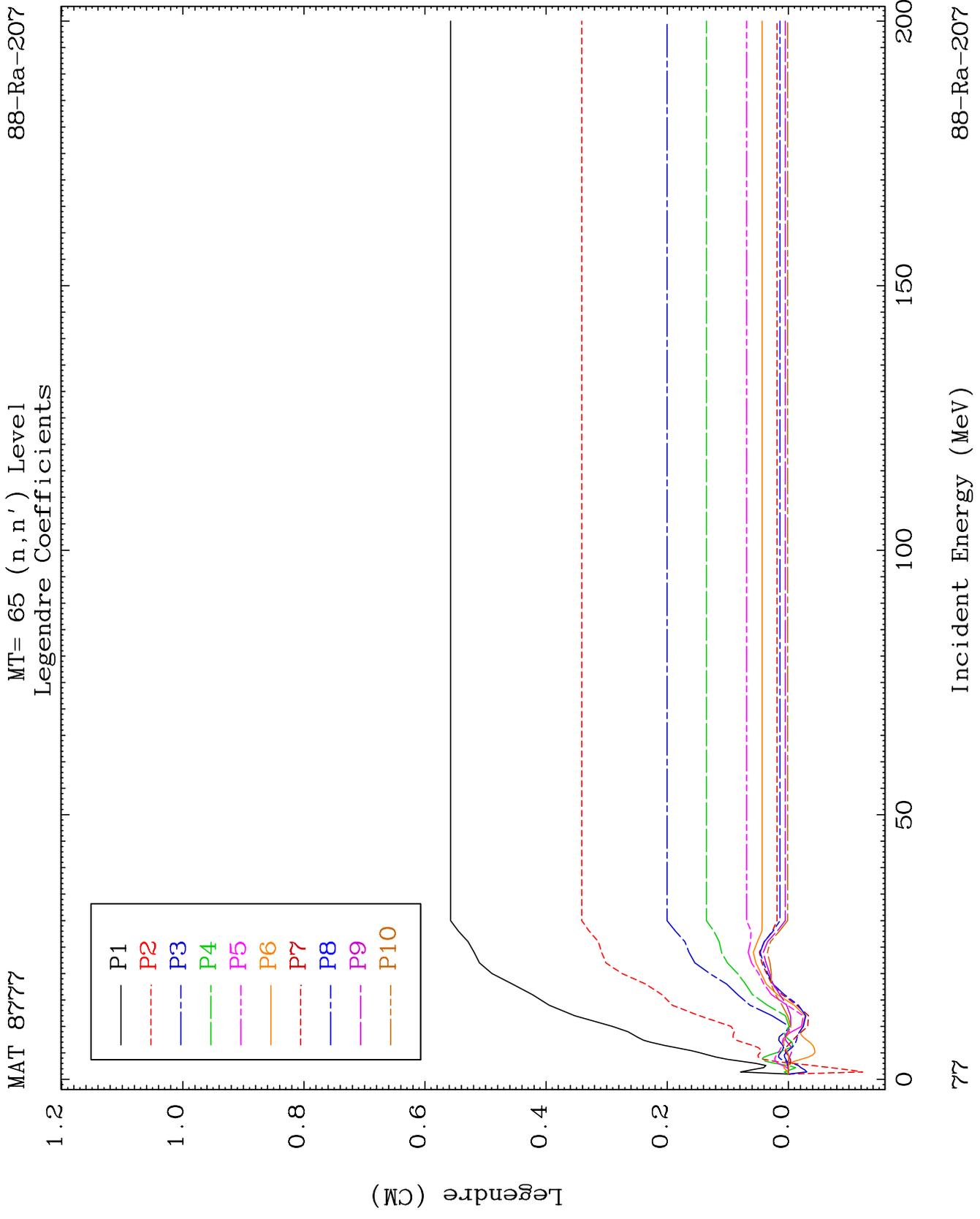
88-Ra-207



76

Incident Energy (MeV)

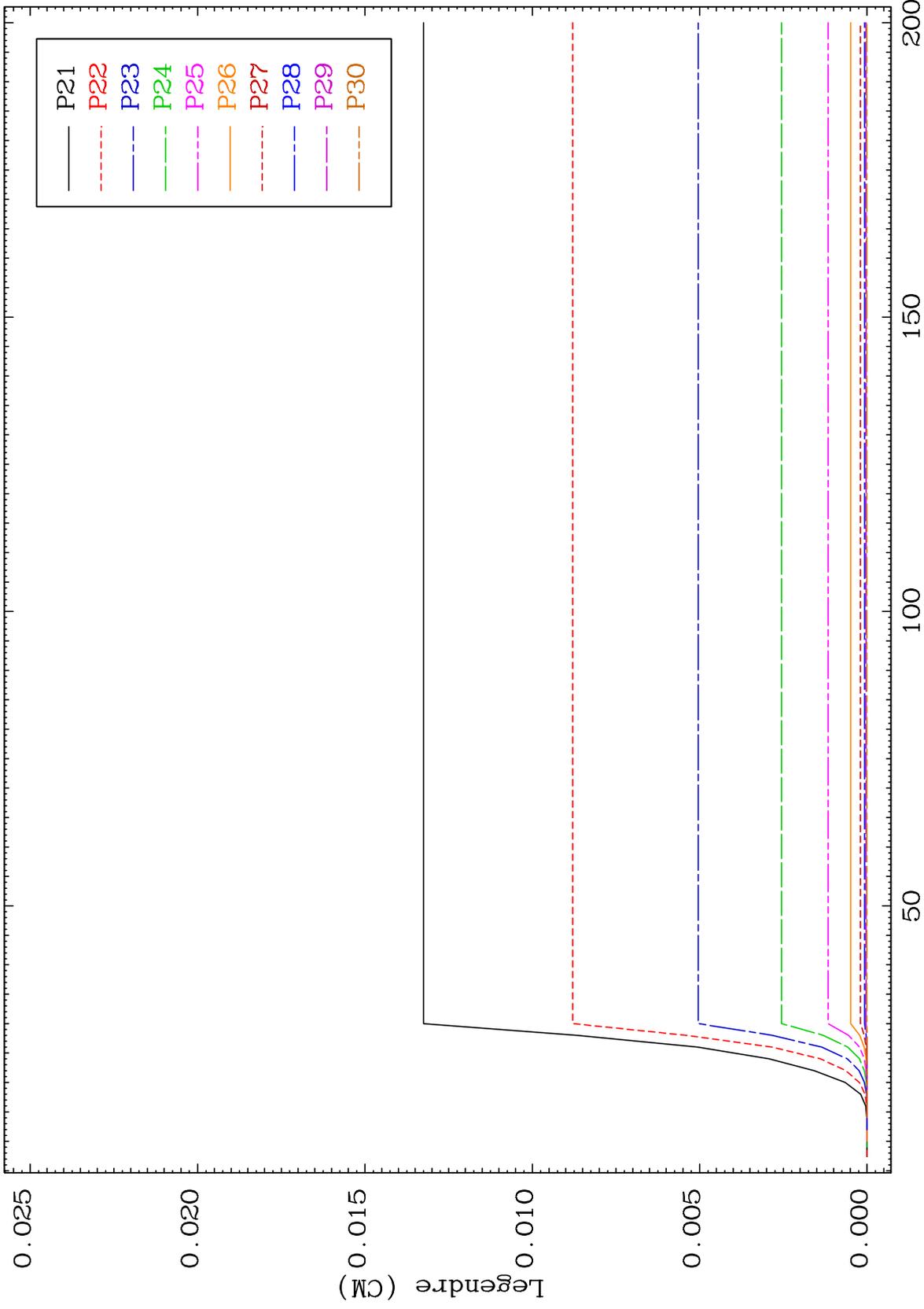
88-Ra-207



MAT 8777

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

88-Ra-207



79

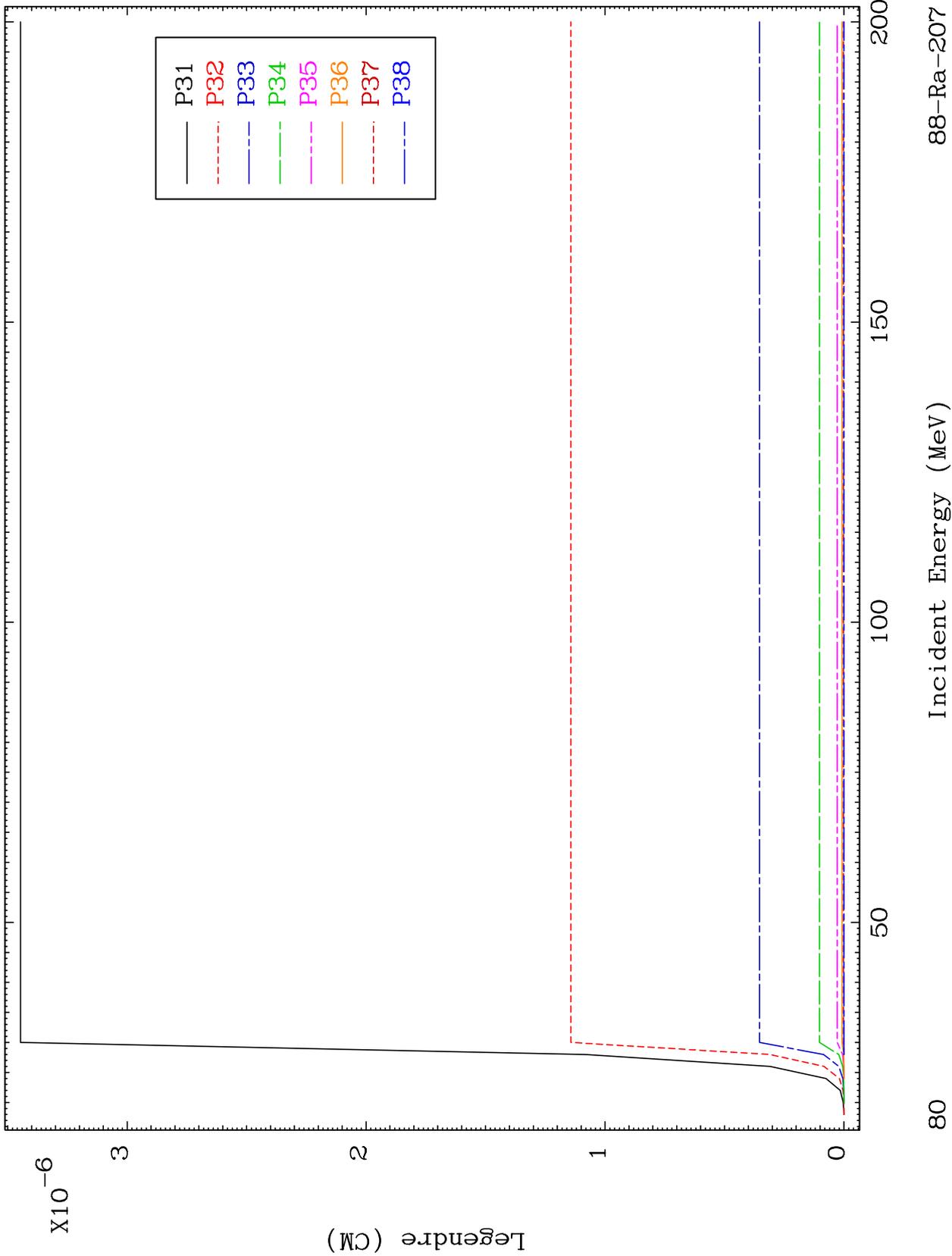
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

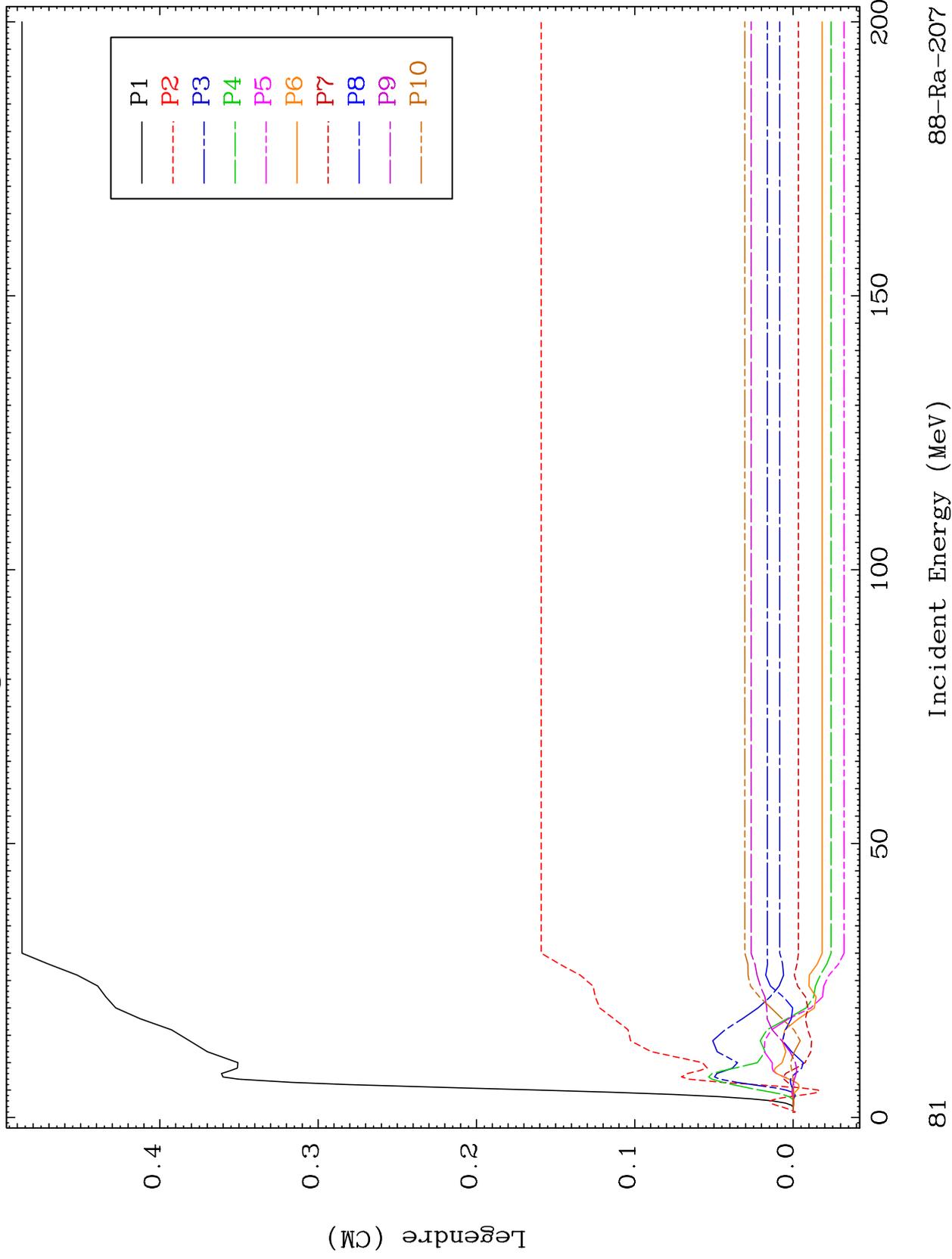
88-Ra-207



MAT 8777

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

88-Ra-207



81

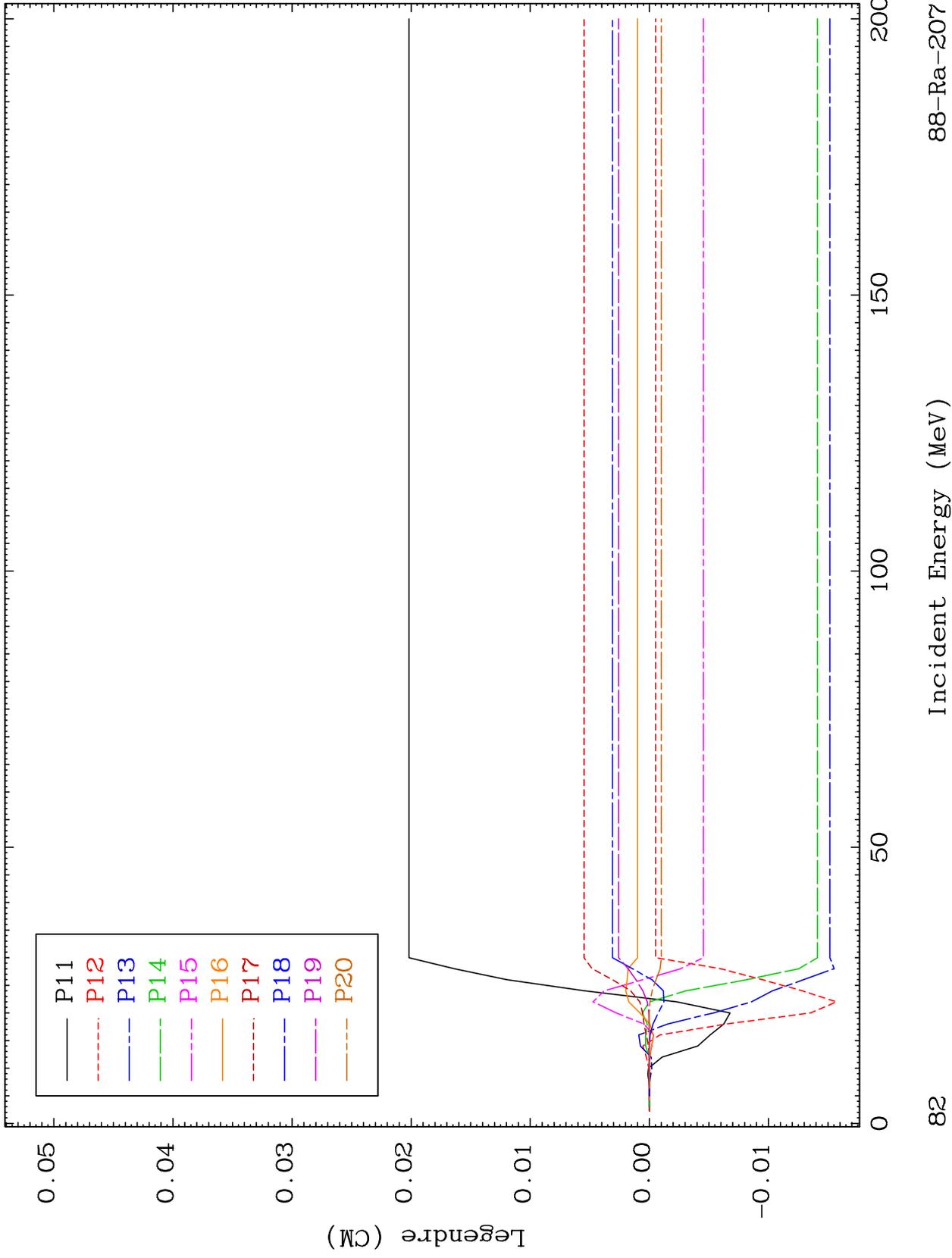
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



88-Ra-207

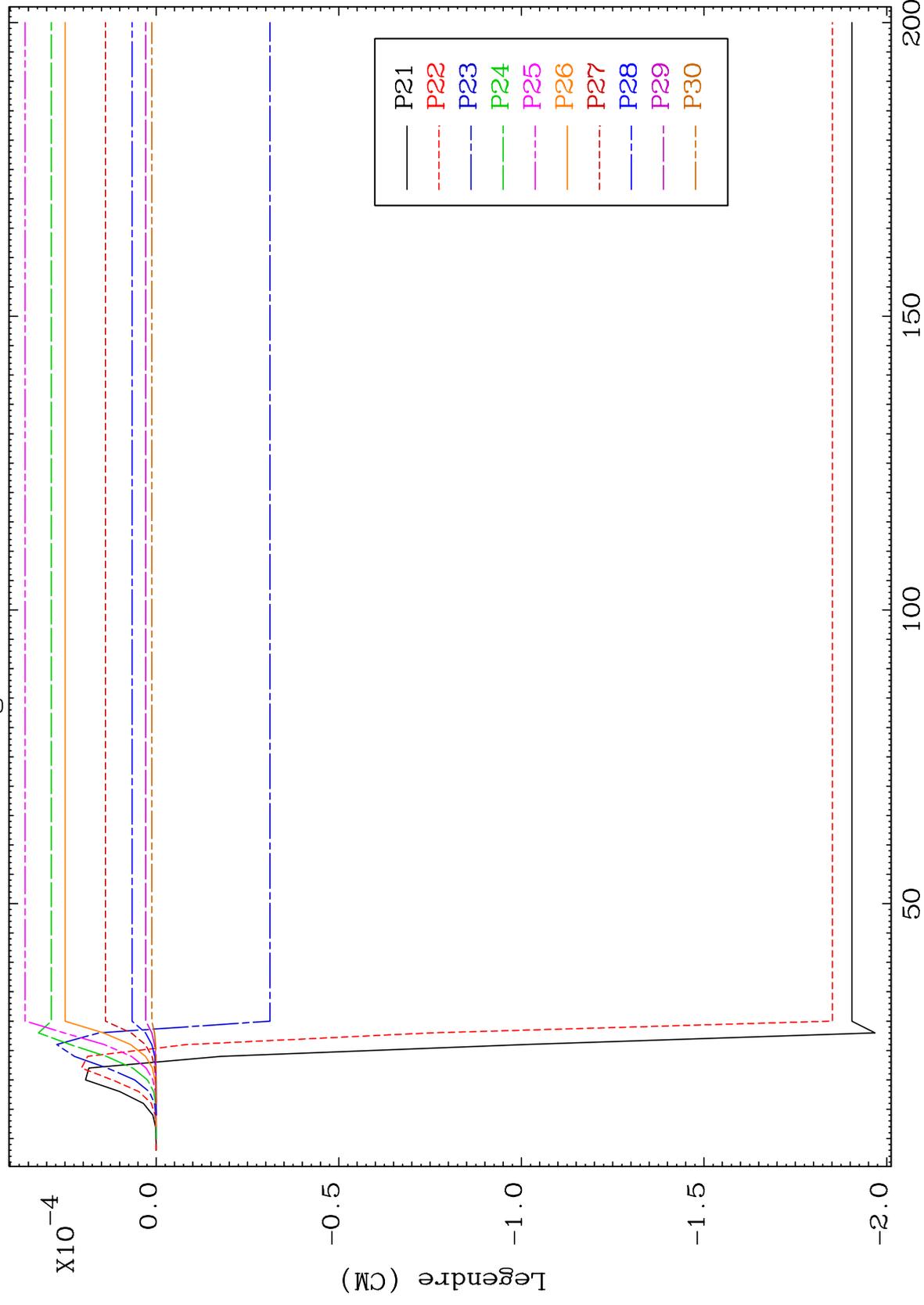
Incident Energy (MeV)

82

MAT 8777

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

88-Ra-207



83

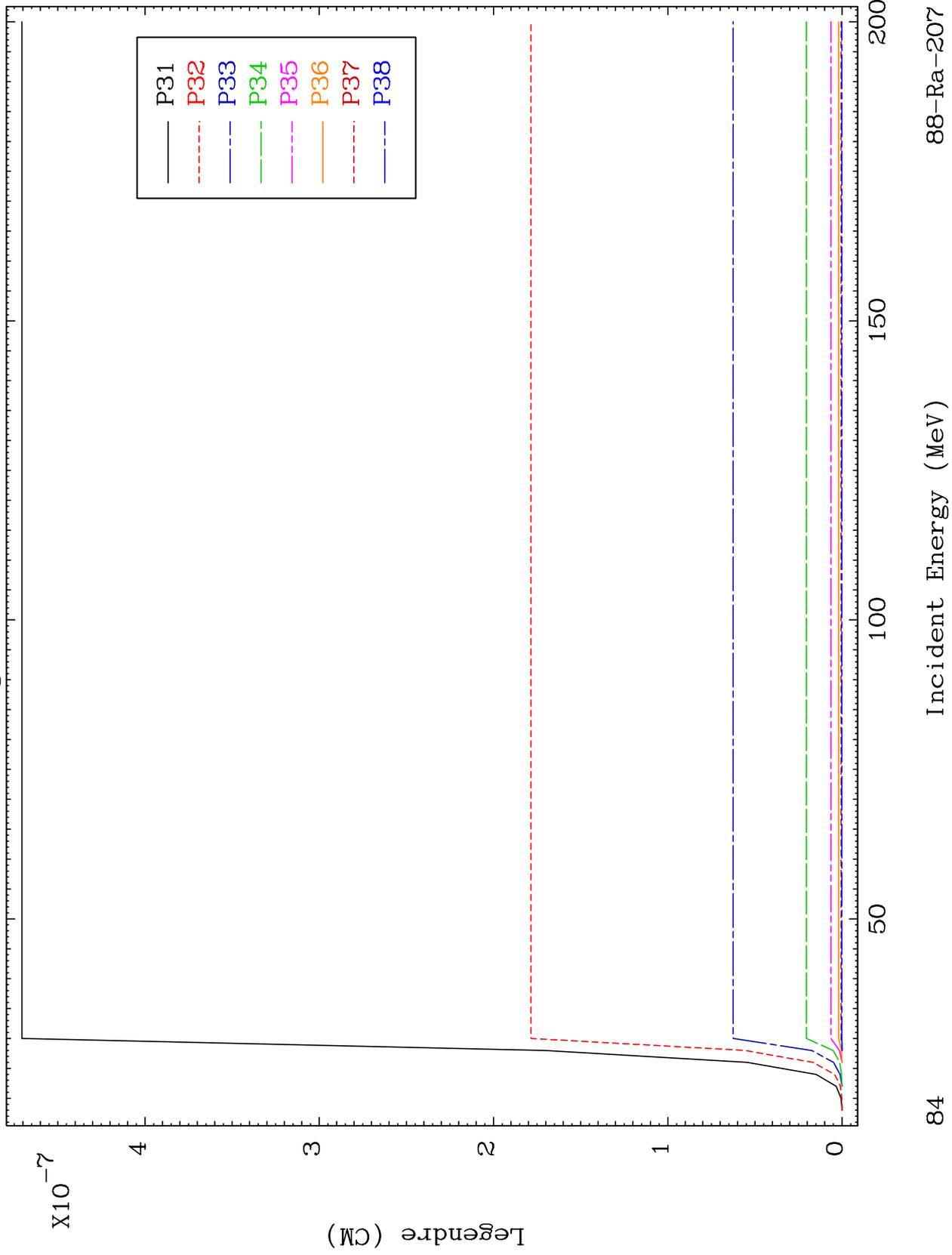
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



84

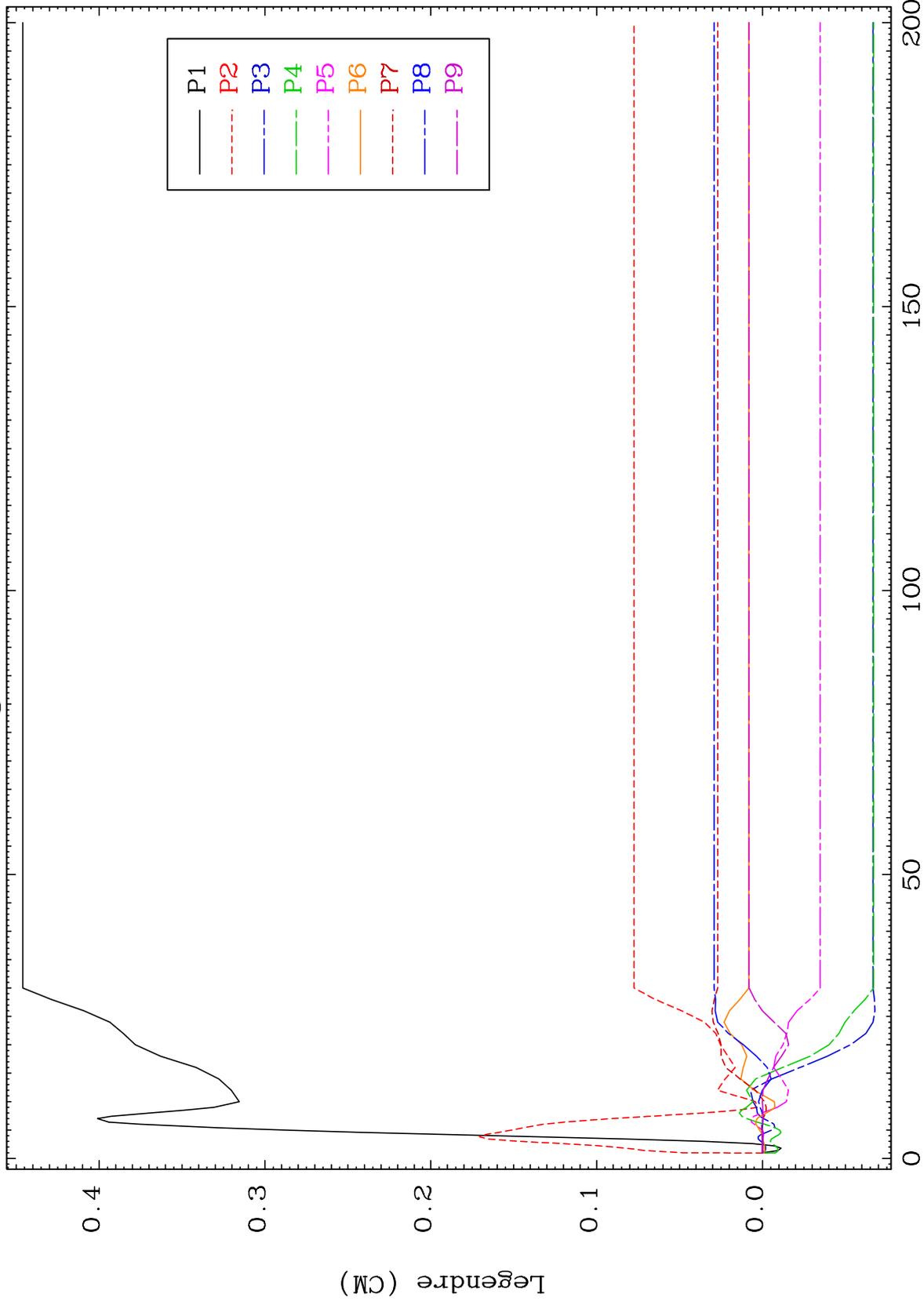
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



85

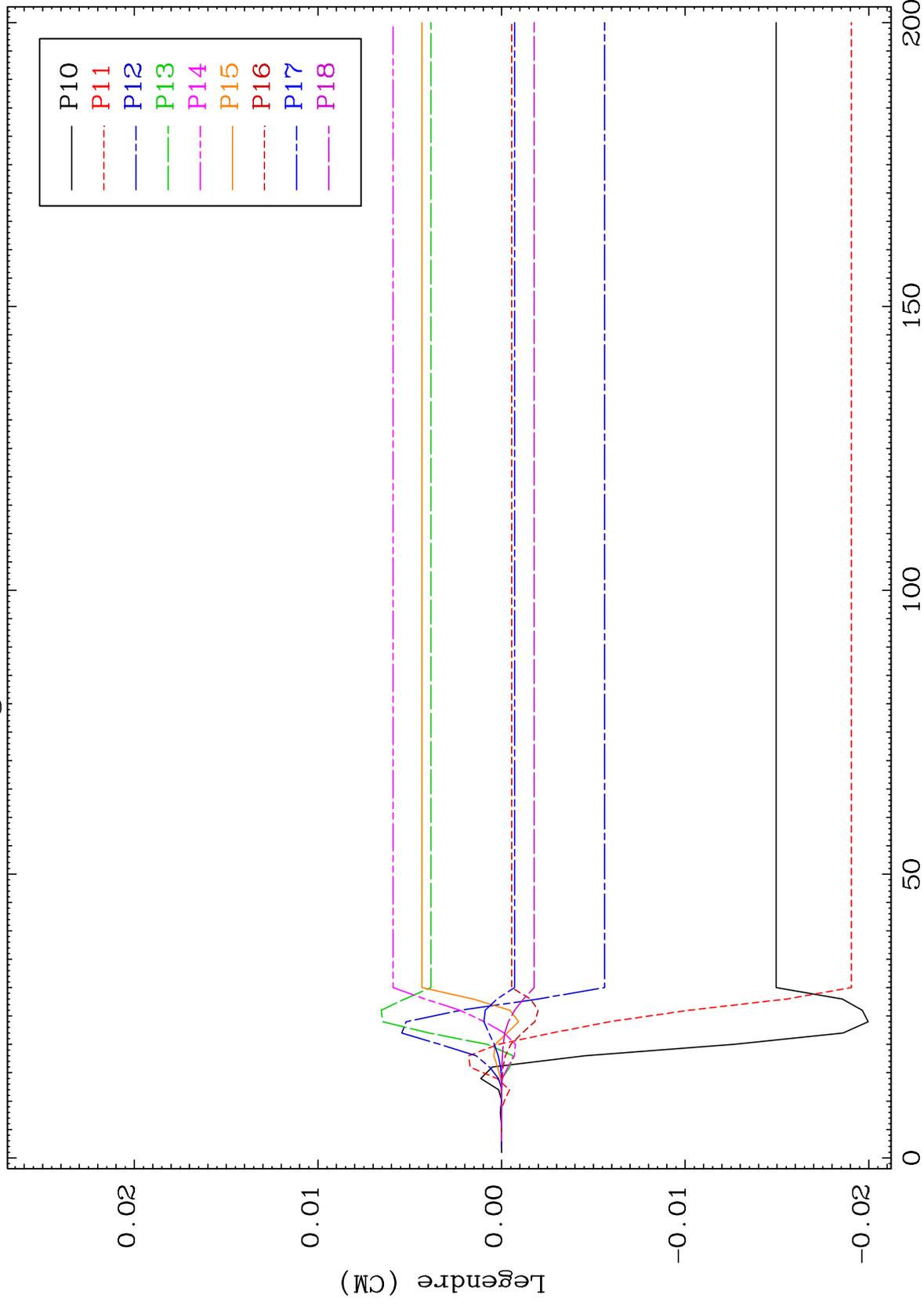
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



86

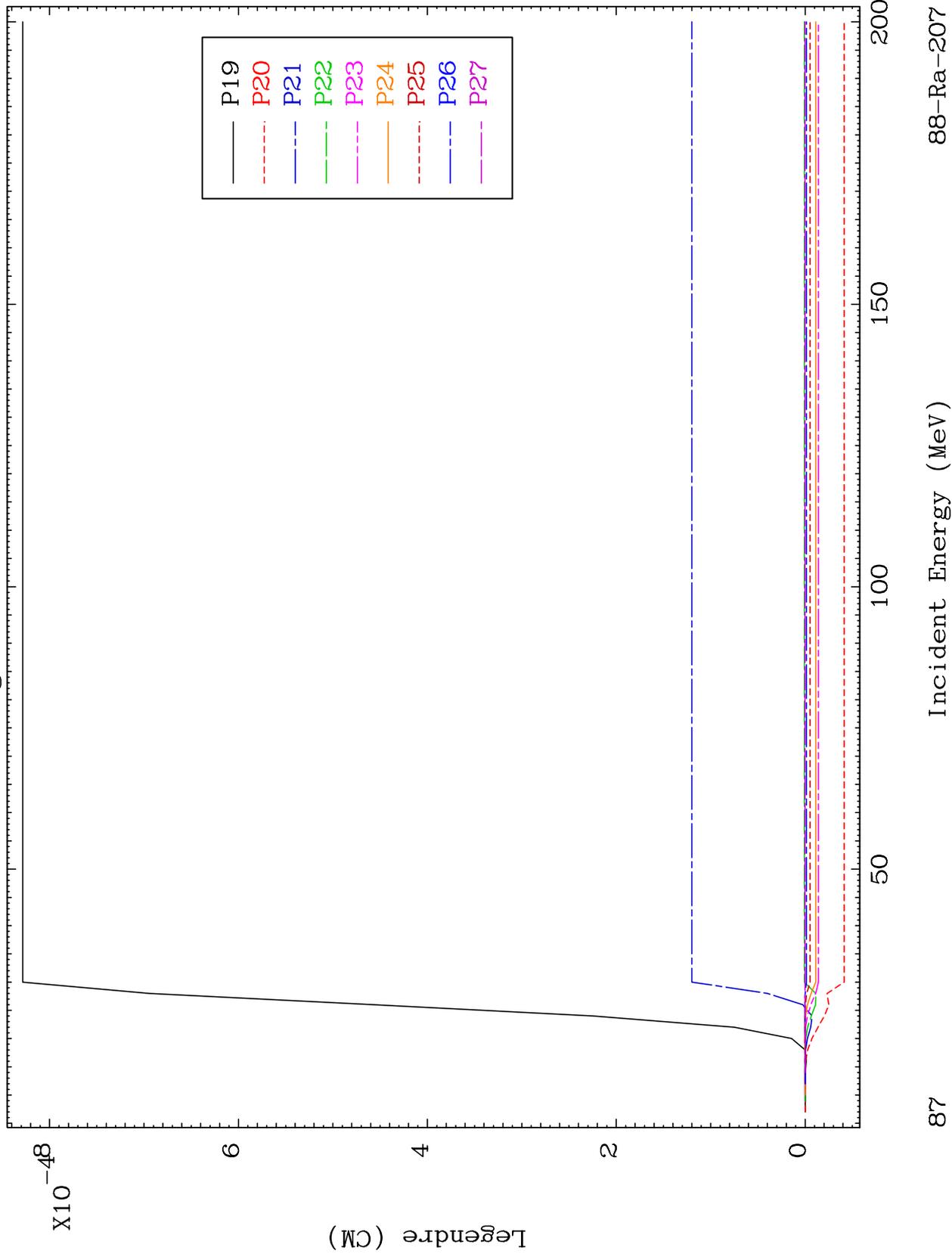
Incident Energy (MeV)

88-Ra-207

MAT 87777

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

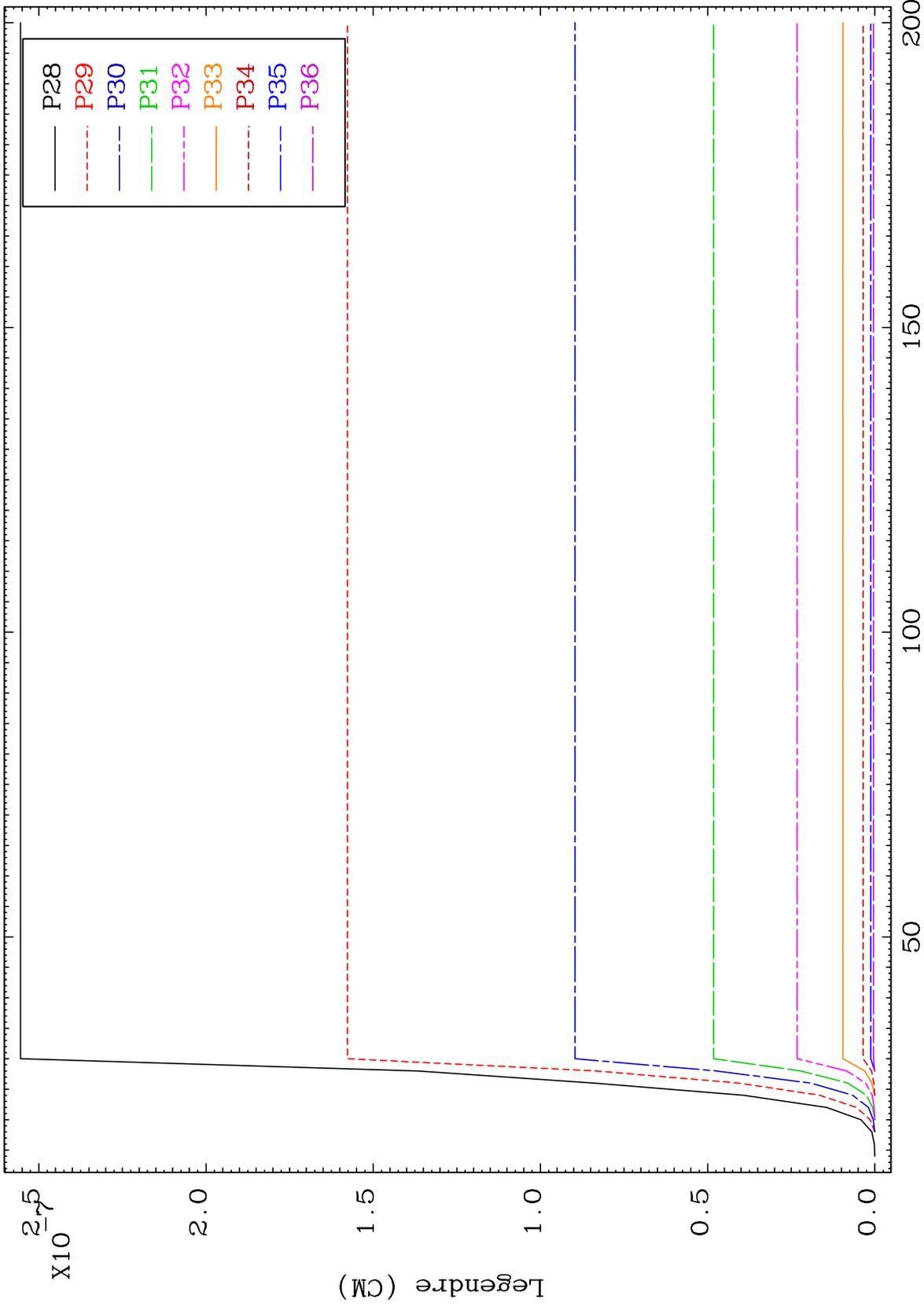
88-Ra-207



MAT 8777

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

88-Ra-207



88

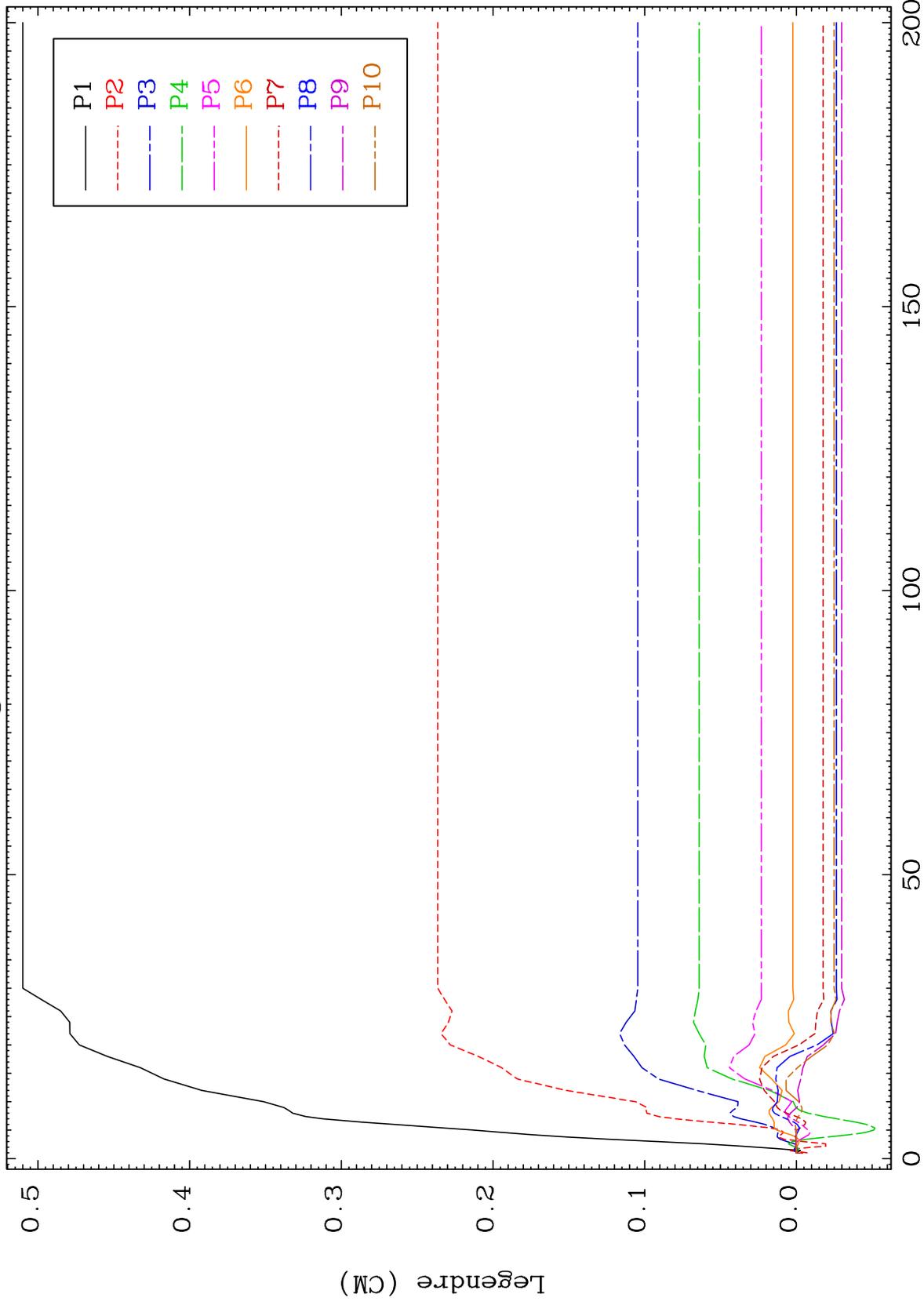
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



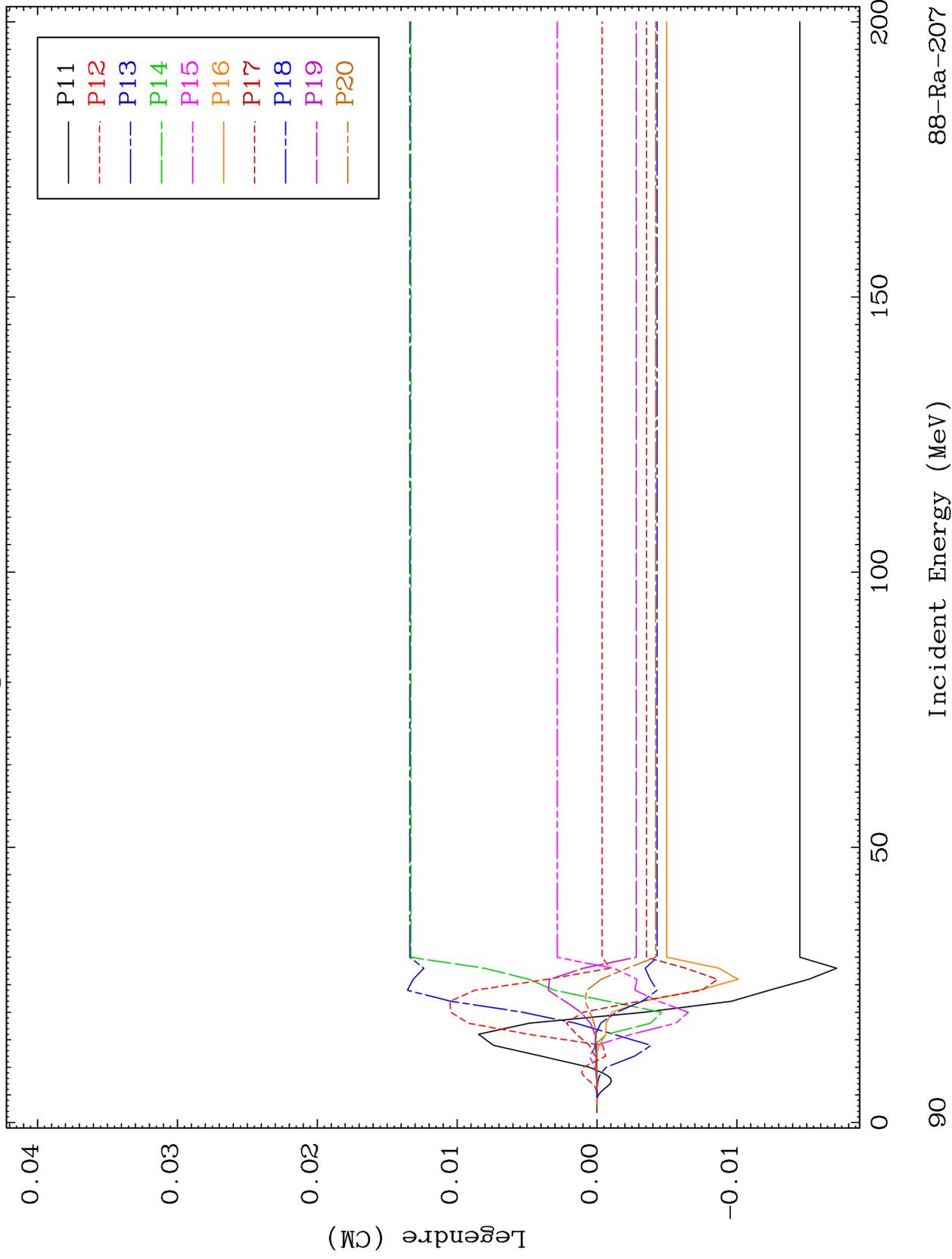
89

88-Ra-207

MAT 8777

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

88-Ra-207



88-Ra-207

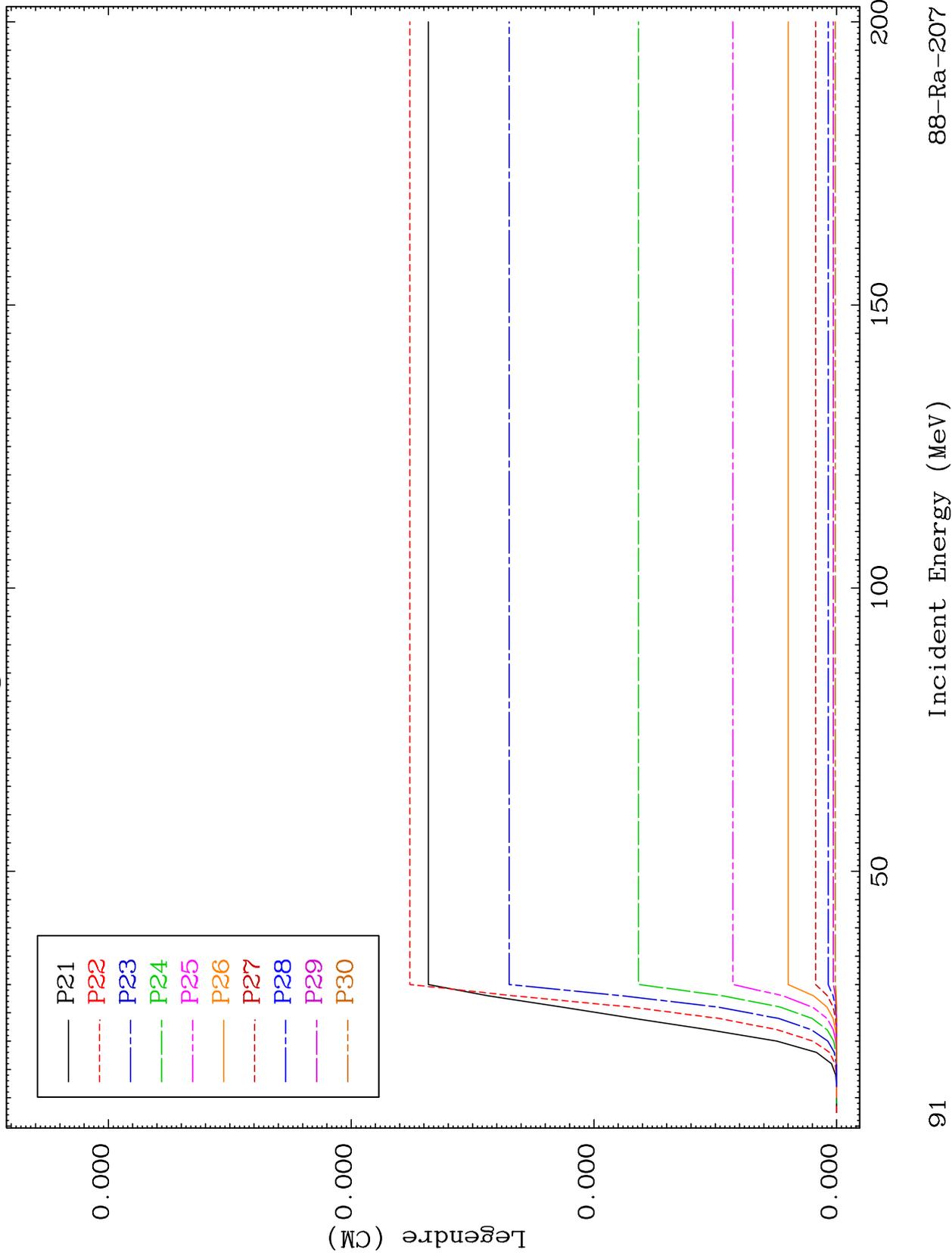
Incident Energy (MeV)

90

MAT 8777

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

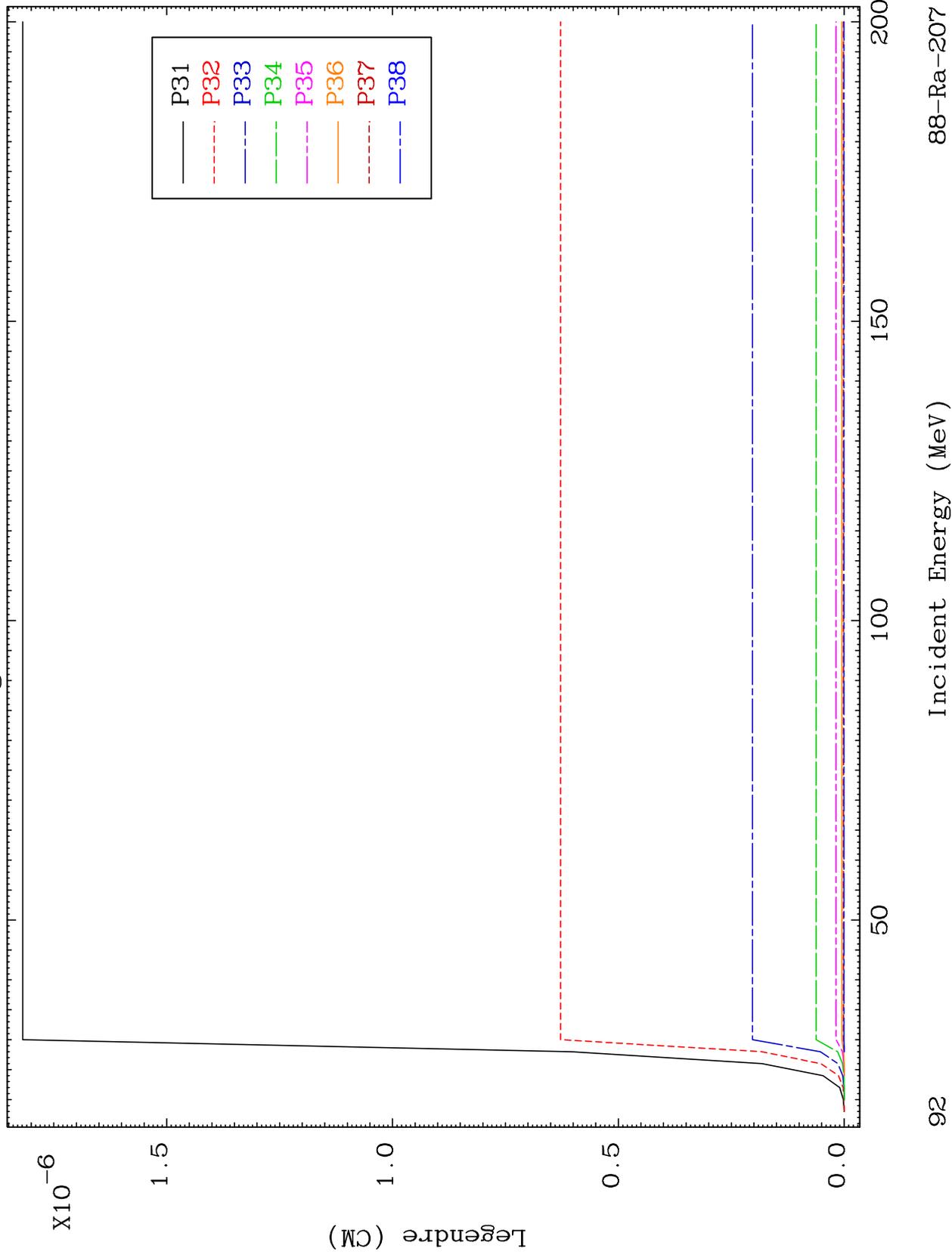
88-Ra-207



MAT 8777

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

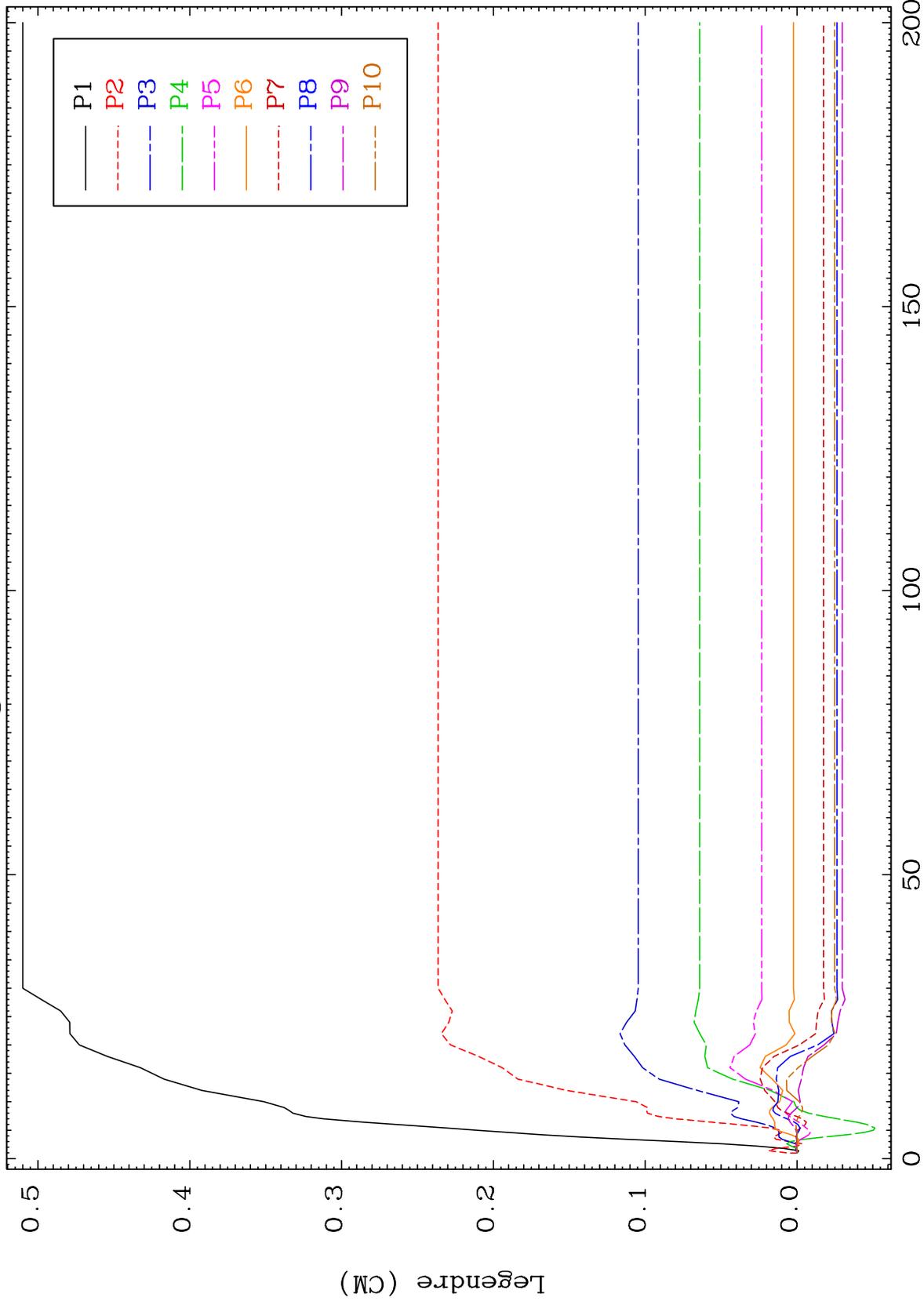
88-Ra-207



MAT 8777

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

88-Ra-207



93

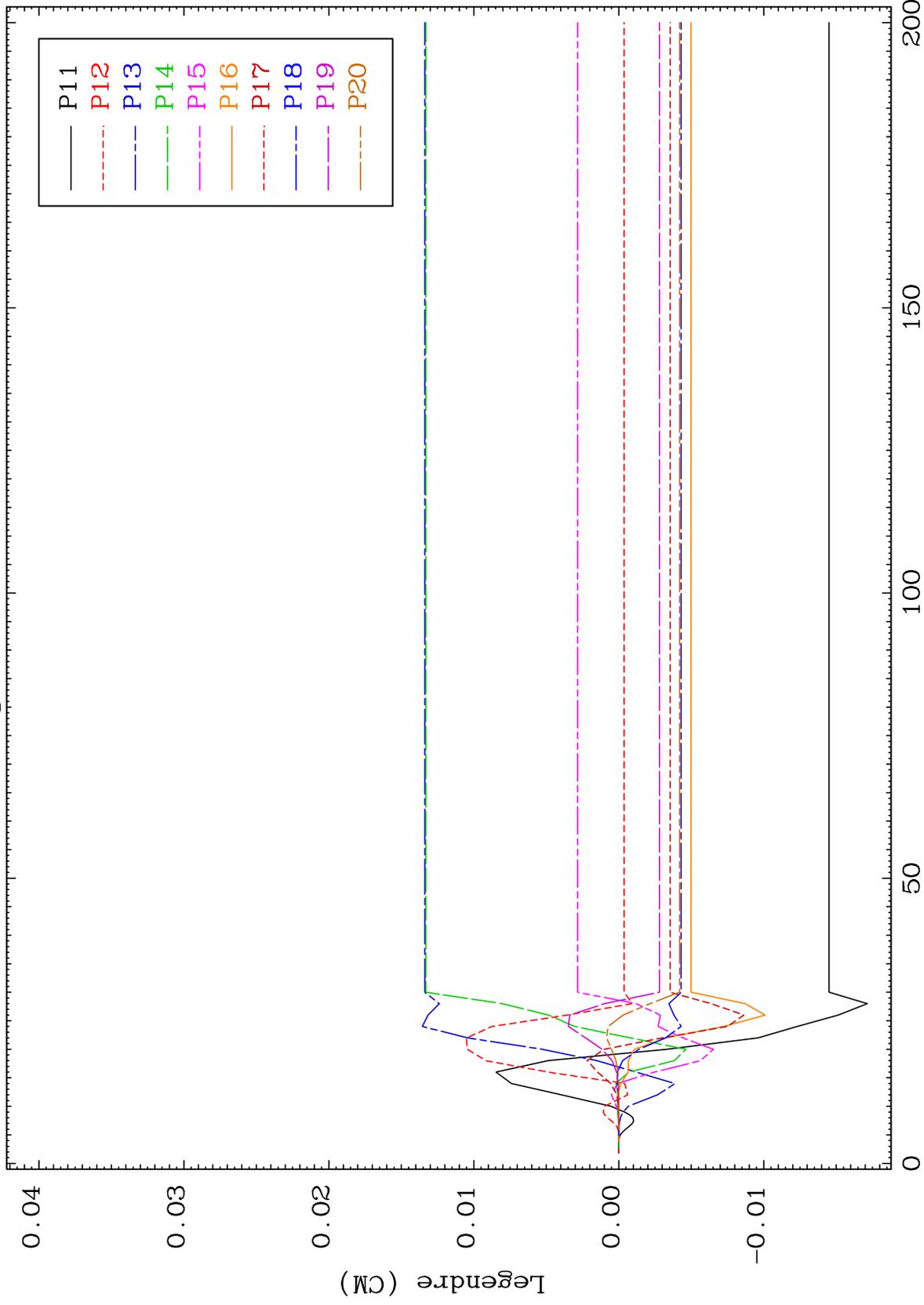
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



94

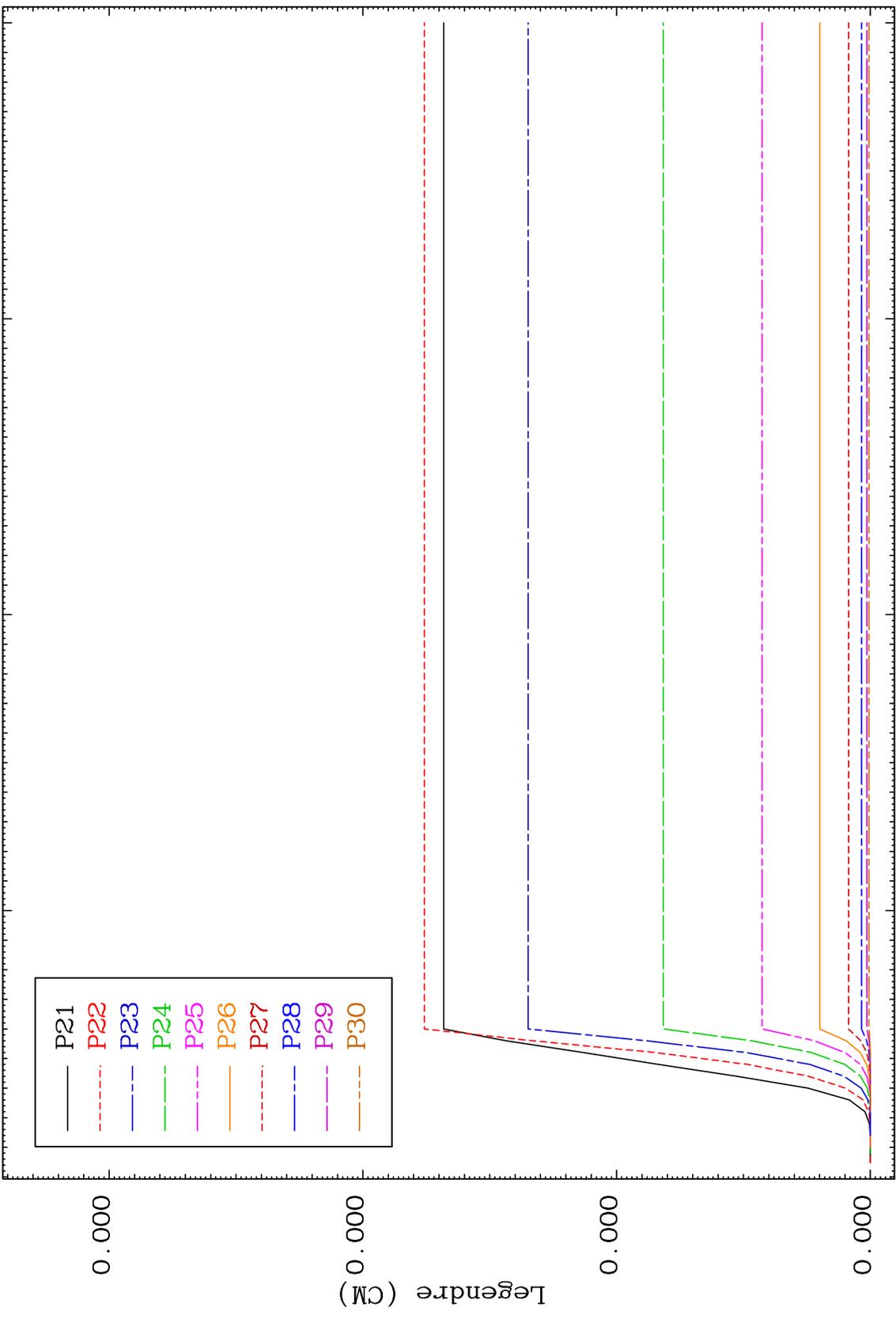
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



95

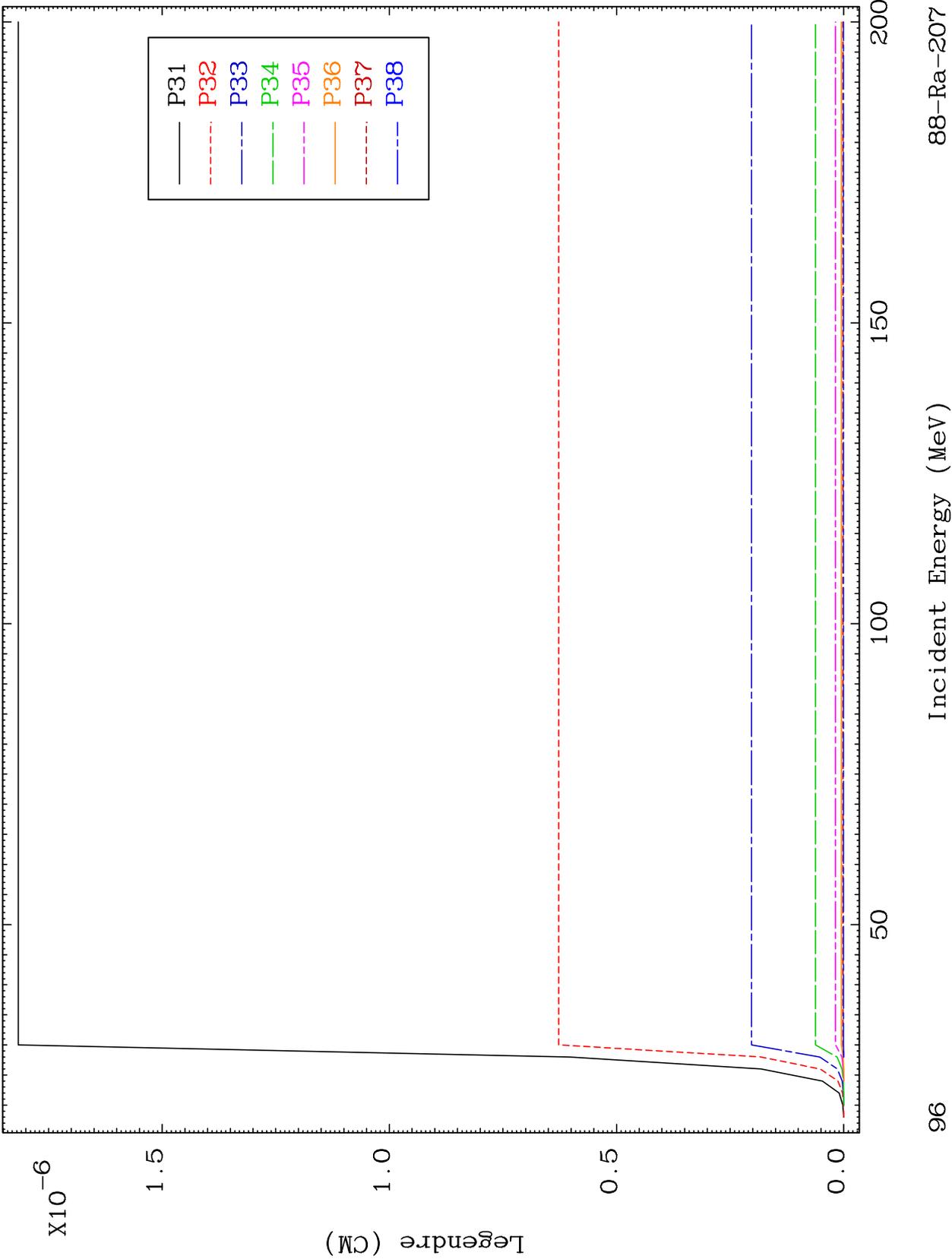
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207

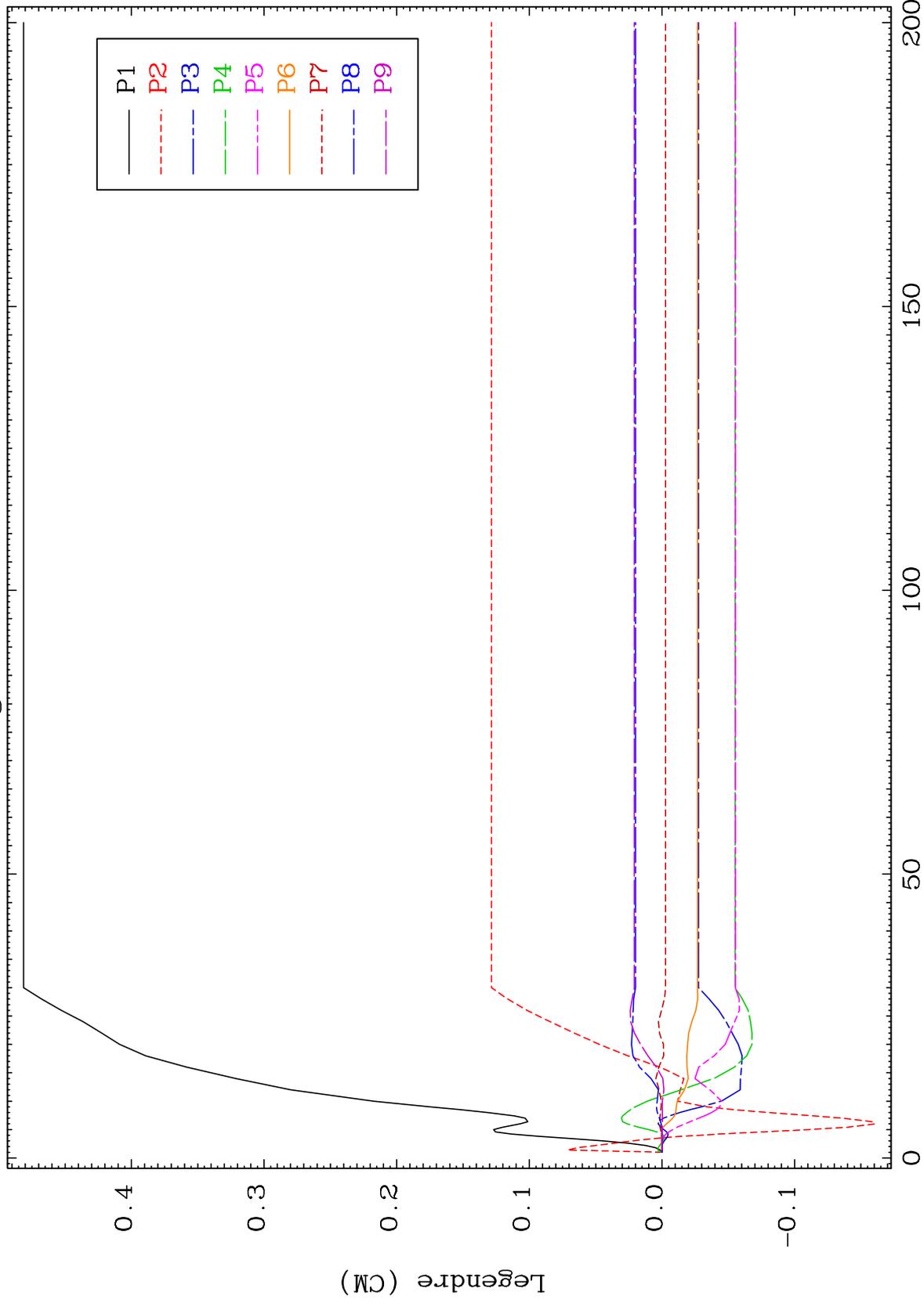


96

MAT 87777

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

88-Ra-207



97

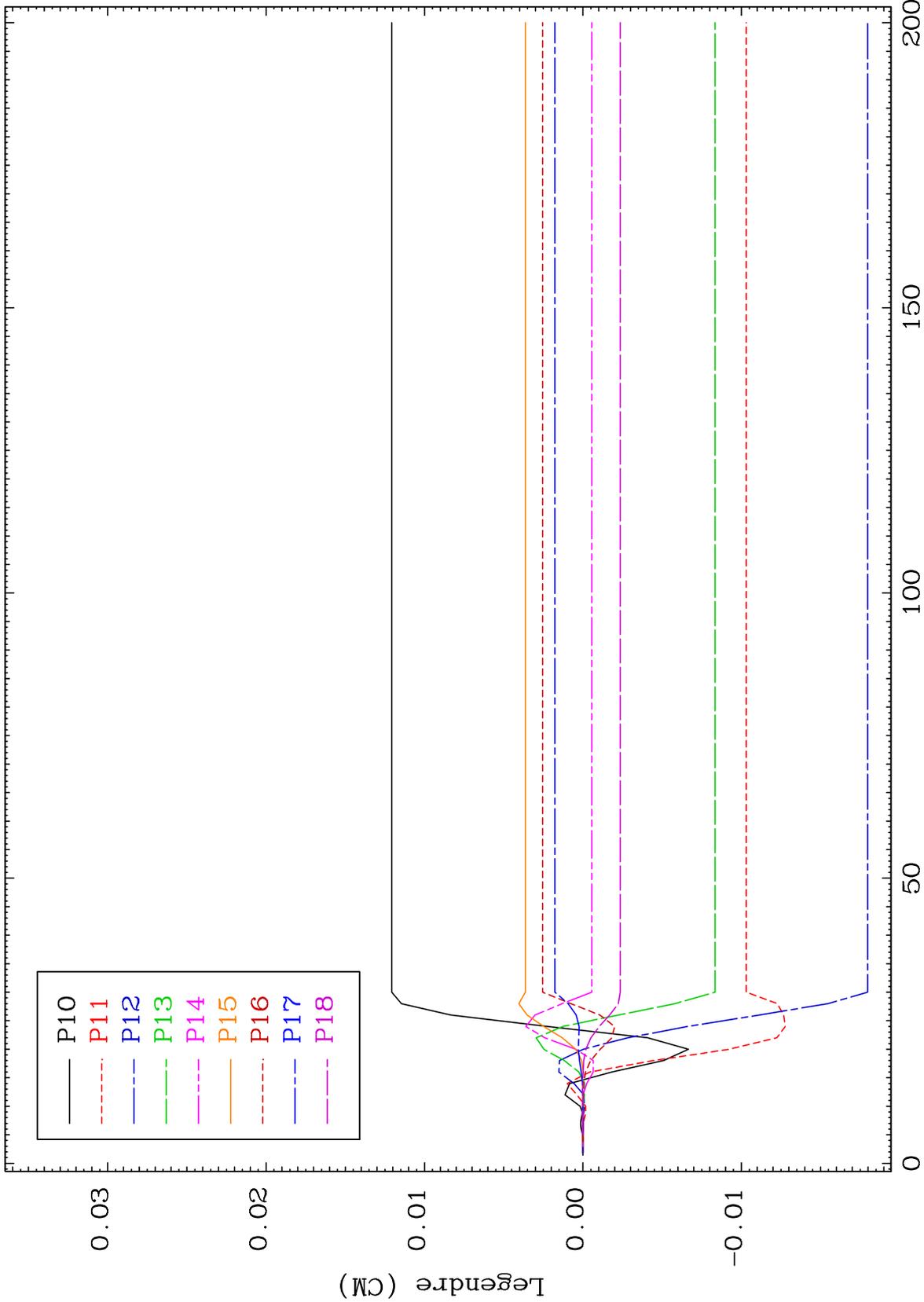
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



98

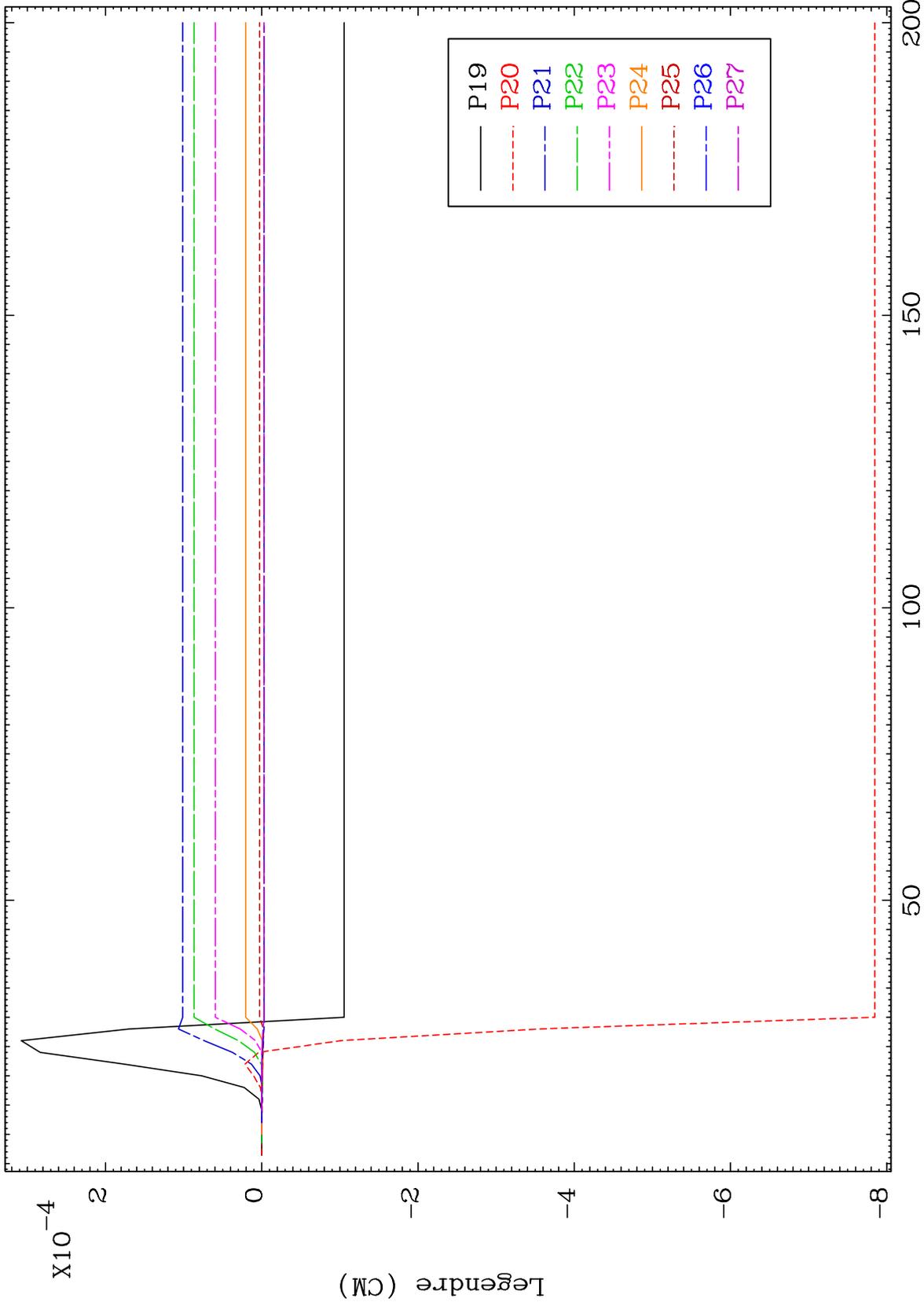
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



99

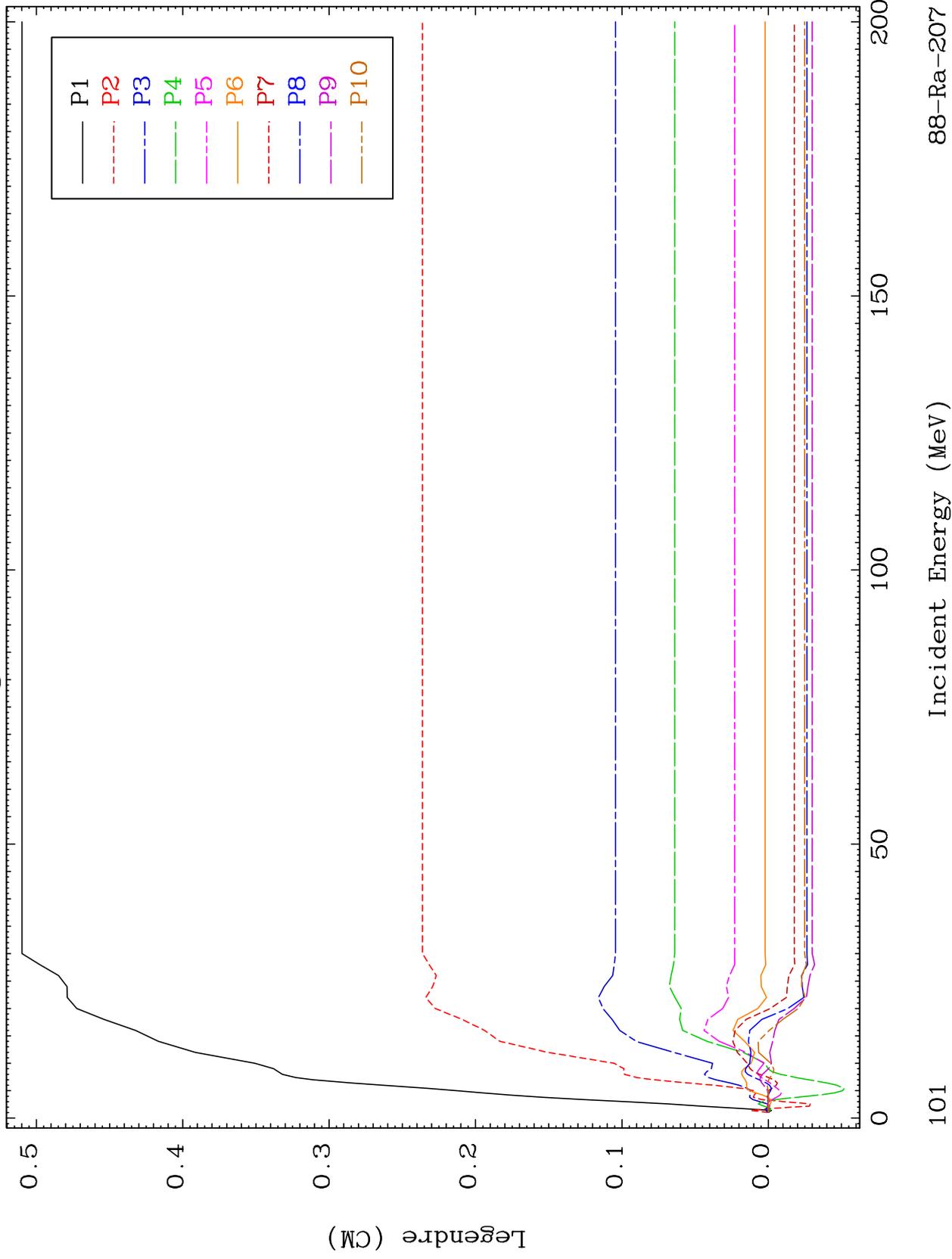
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



88-Ra-207

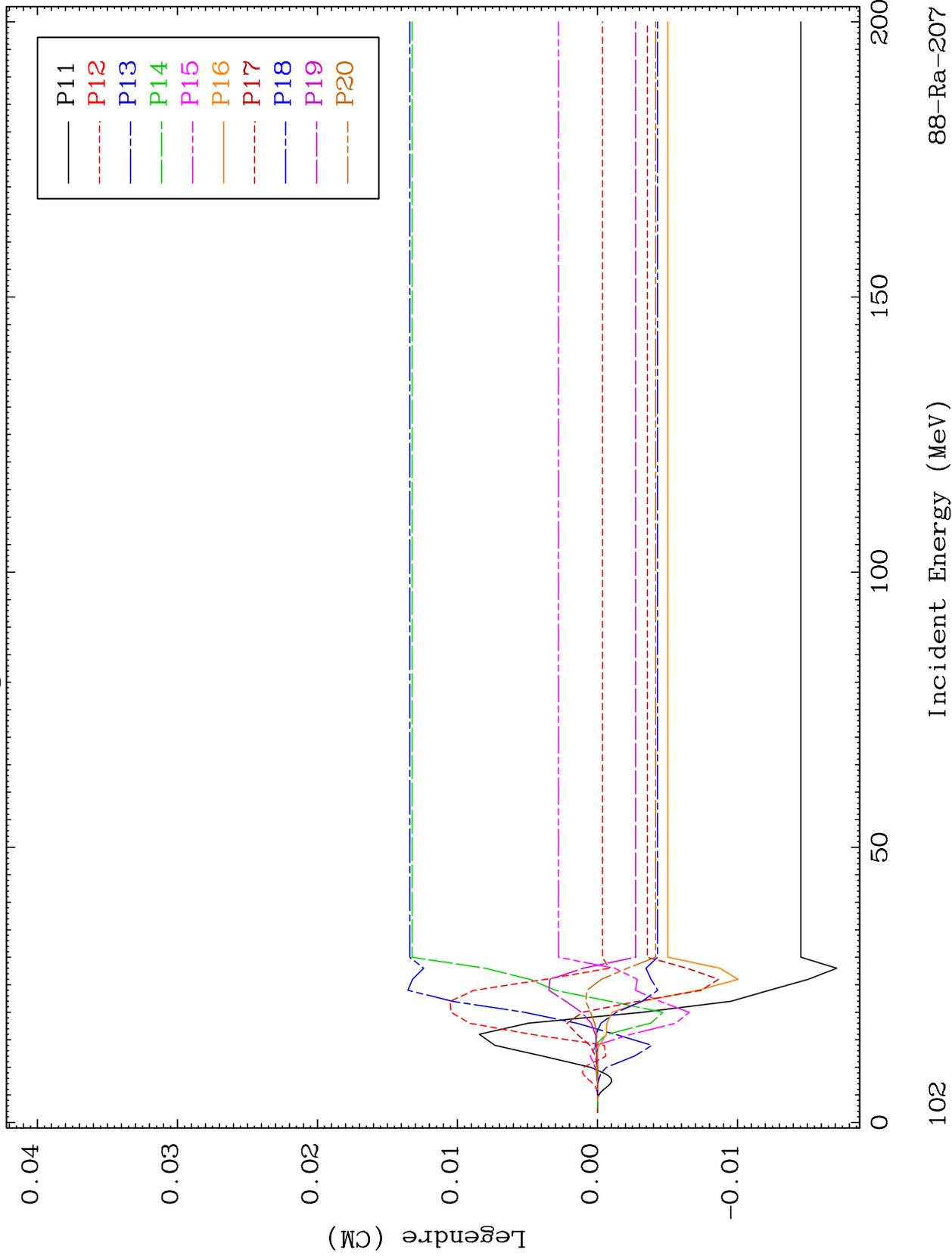
Incident Energy (MeV)

101

MAT 8777

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

88-Ra-207



88-Ra-207

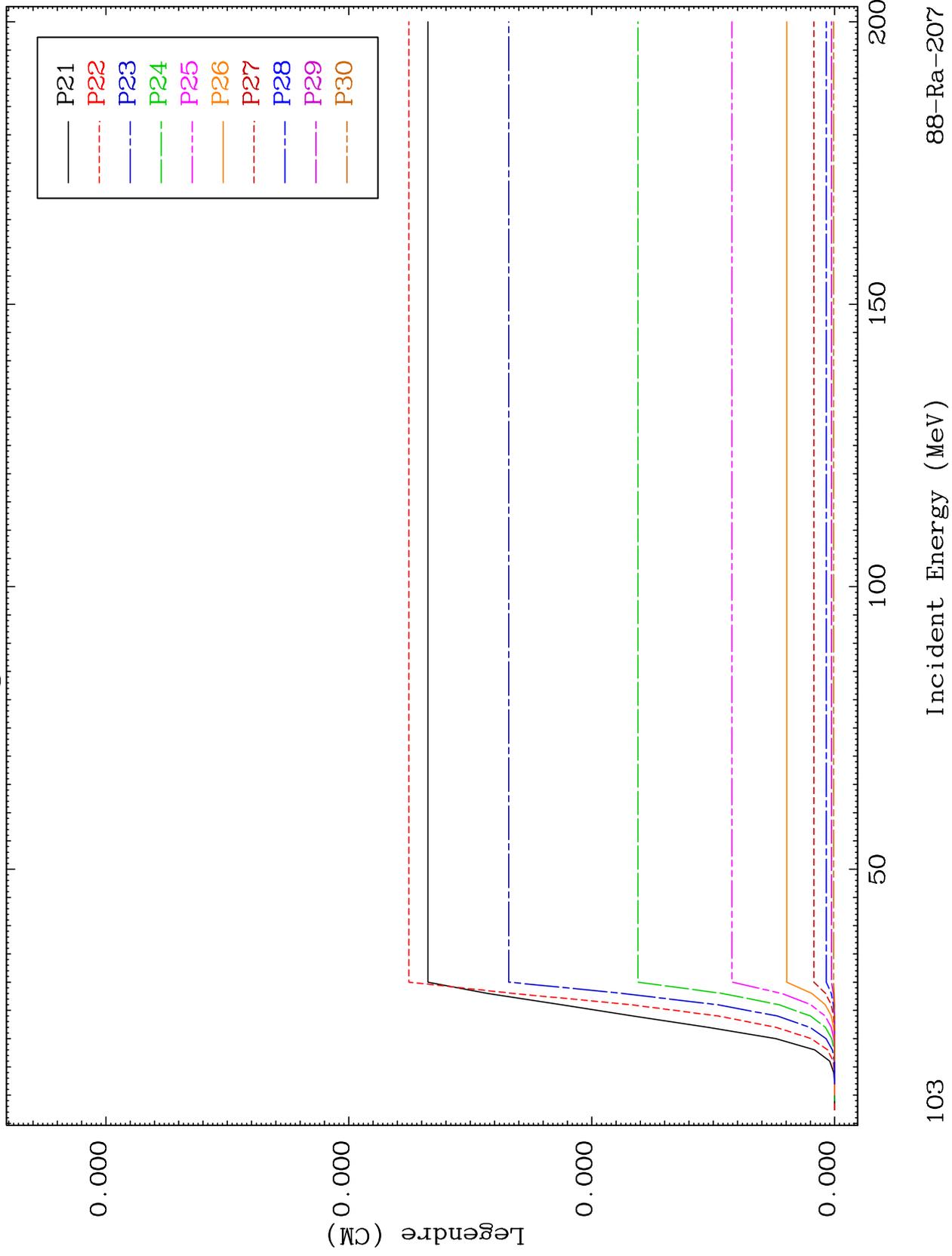
Incident Energy (MeV)

102

MAT 8777

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

88-Ra-207



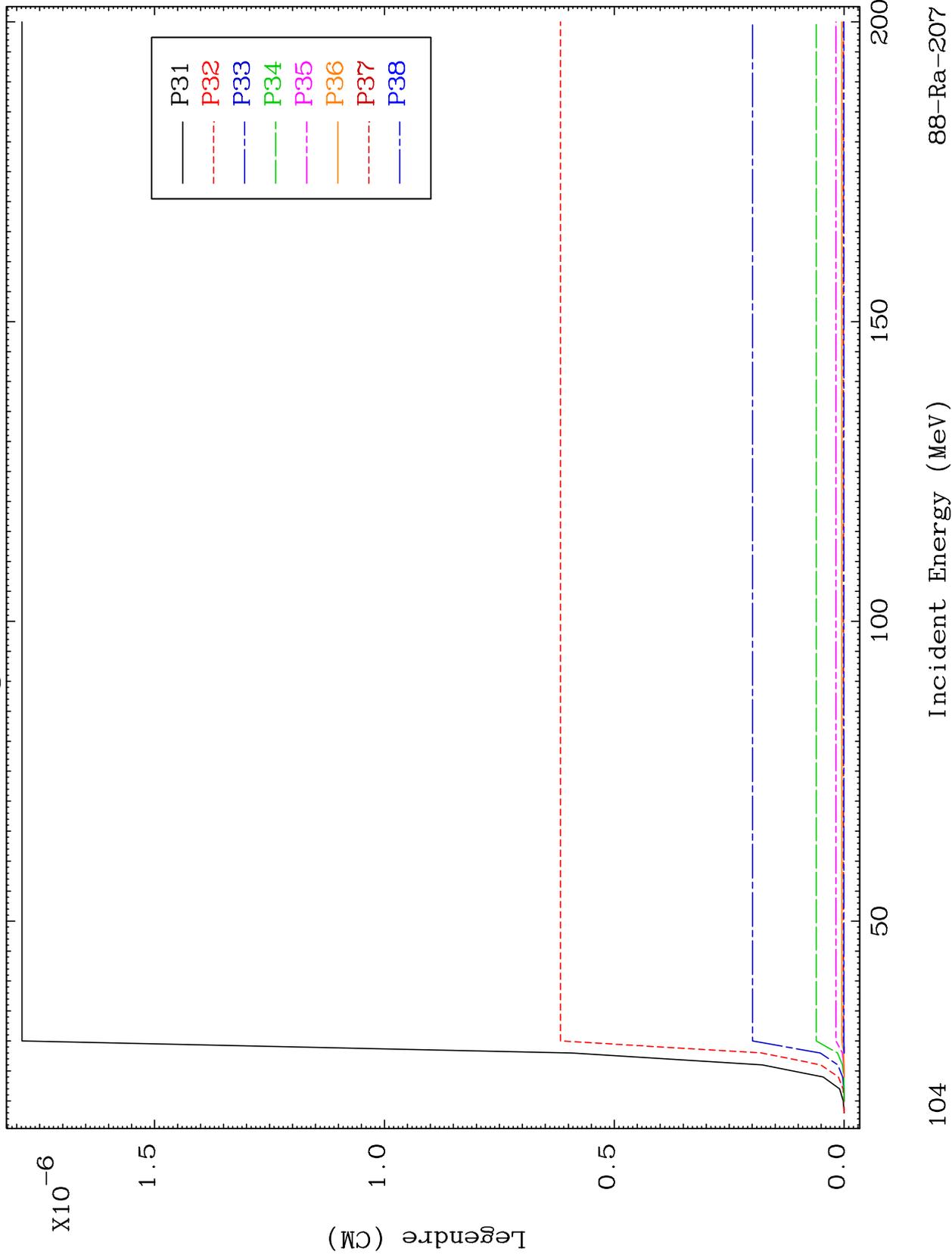
103

88-Ra-207

MAT 8777

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

88-Ra-207

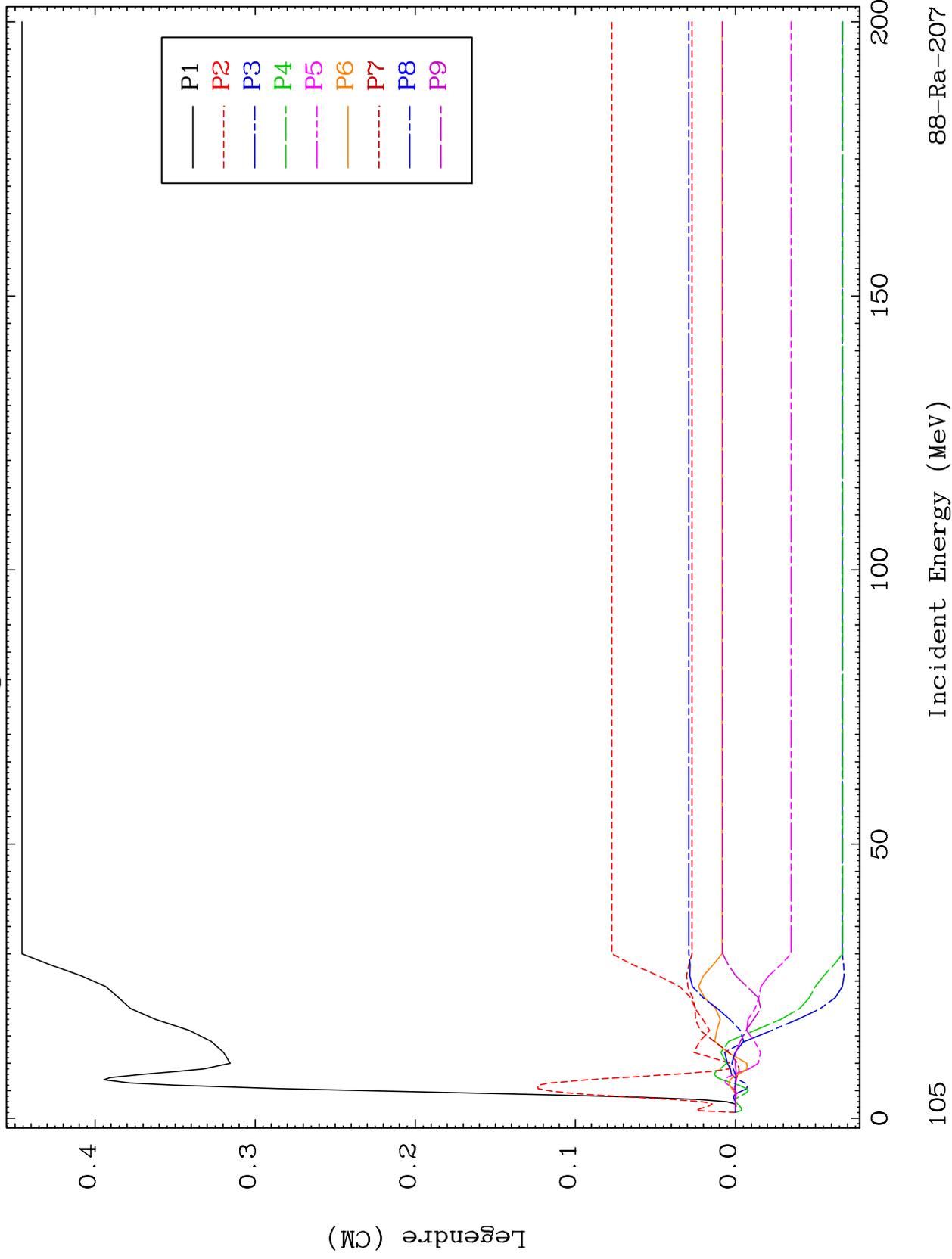


104

MAT 8777

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

88-Ra-207



88-Ra-207

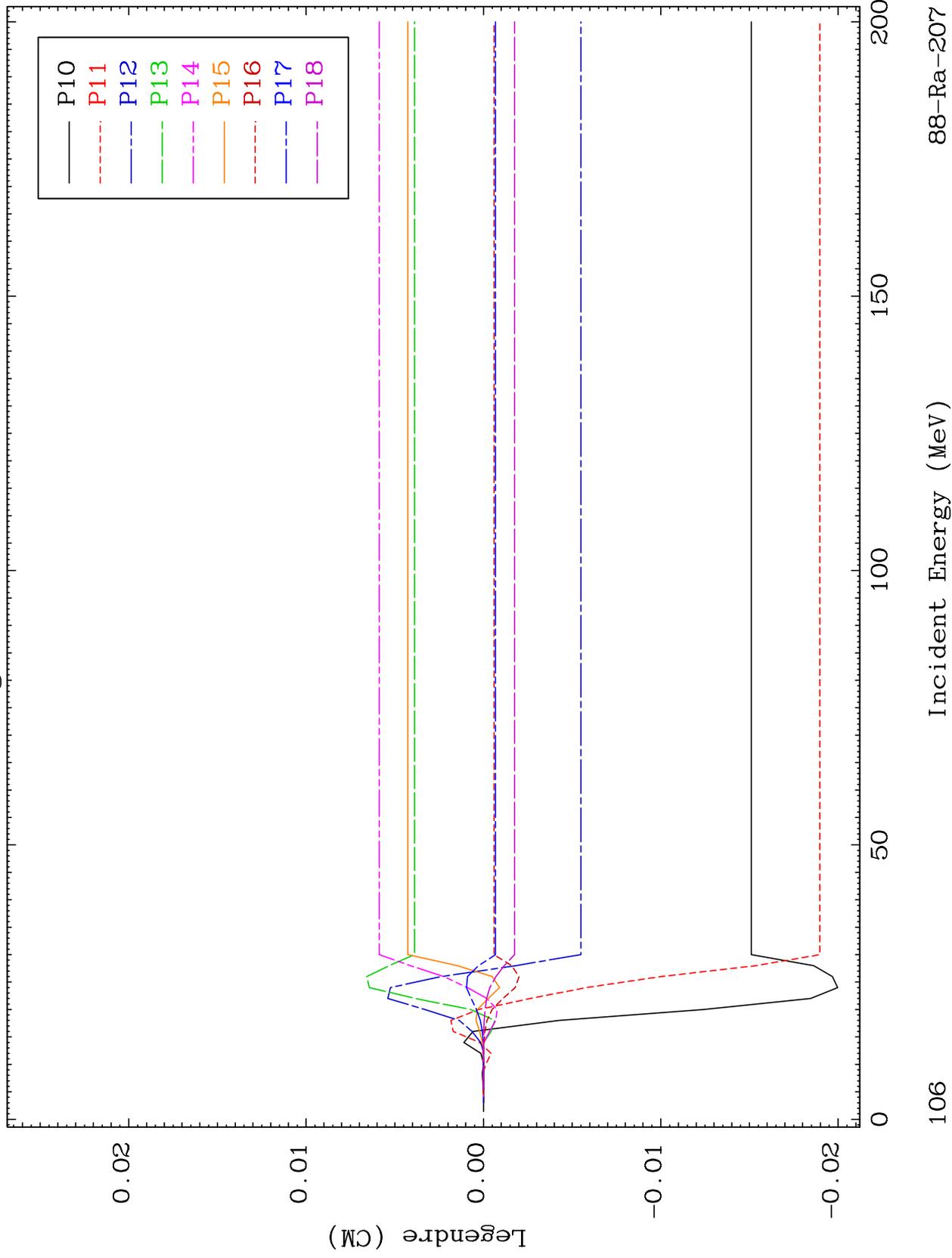
Incident Energy (MeV)

105

MAT 8777

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

88-Ra-207



106

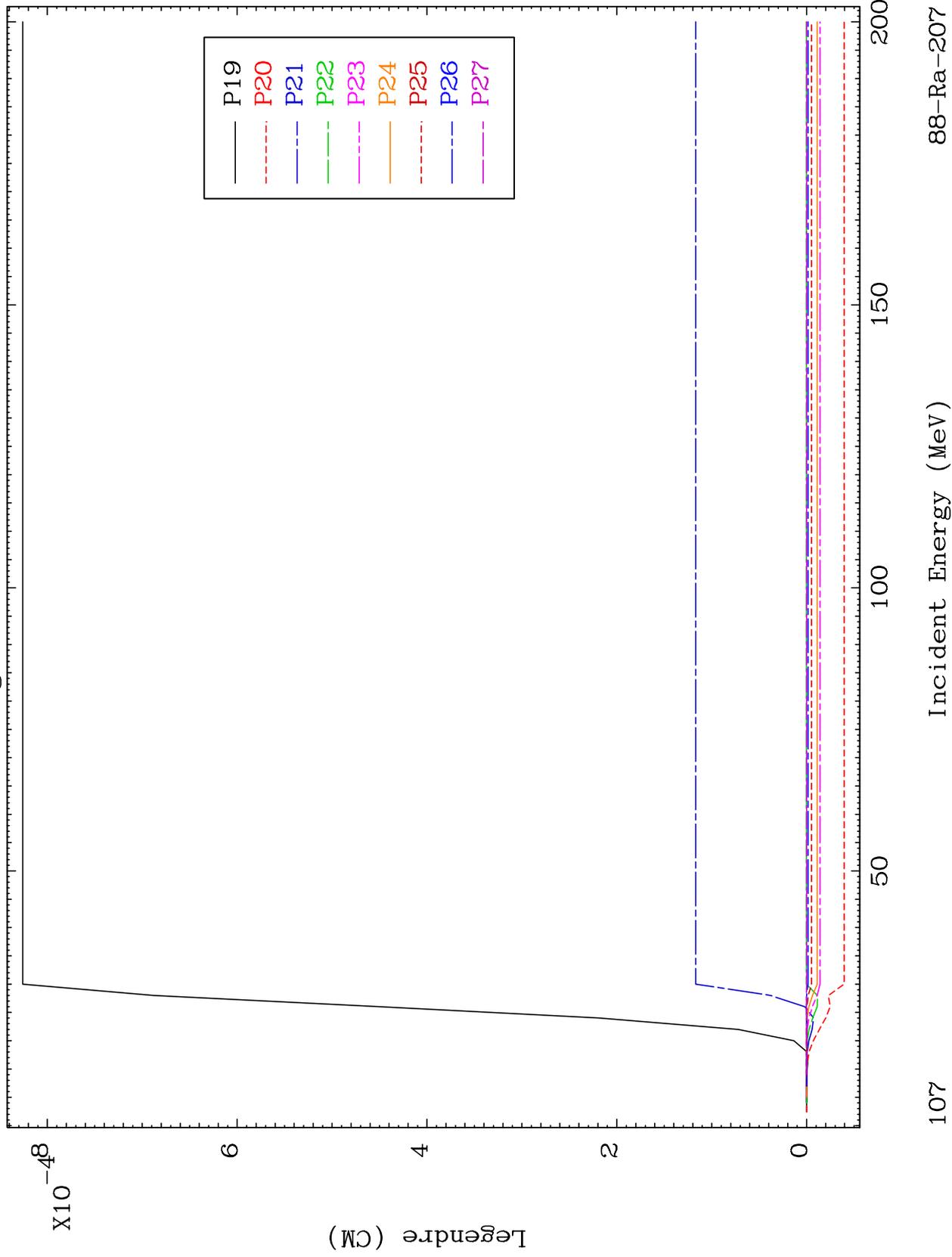
Incident Energy (MeV)

88-Ra-207

MAT 87777

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

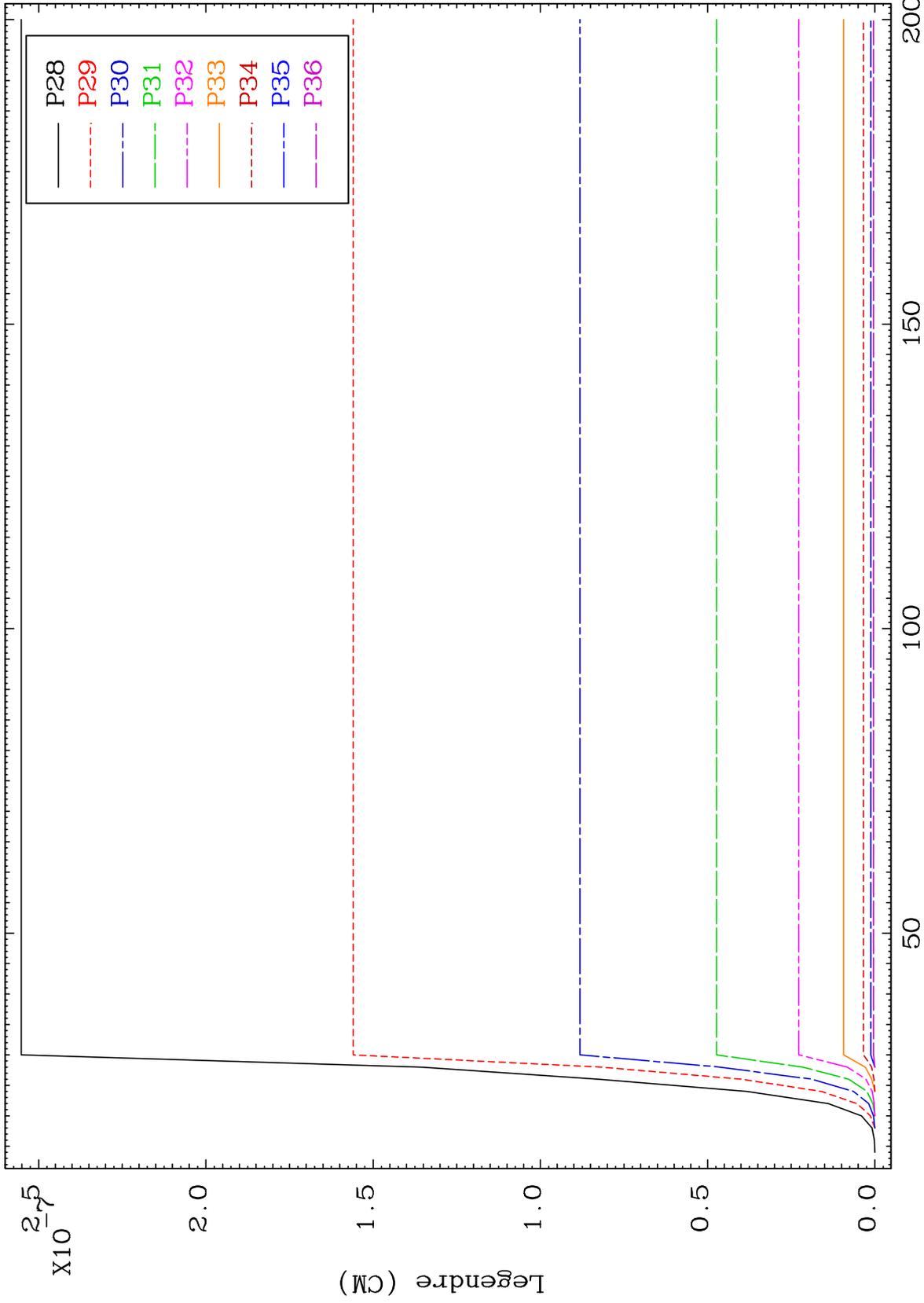
88-Ra-207



MAT 8777

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

88-Ra-207



108

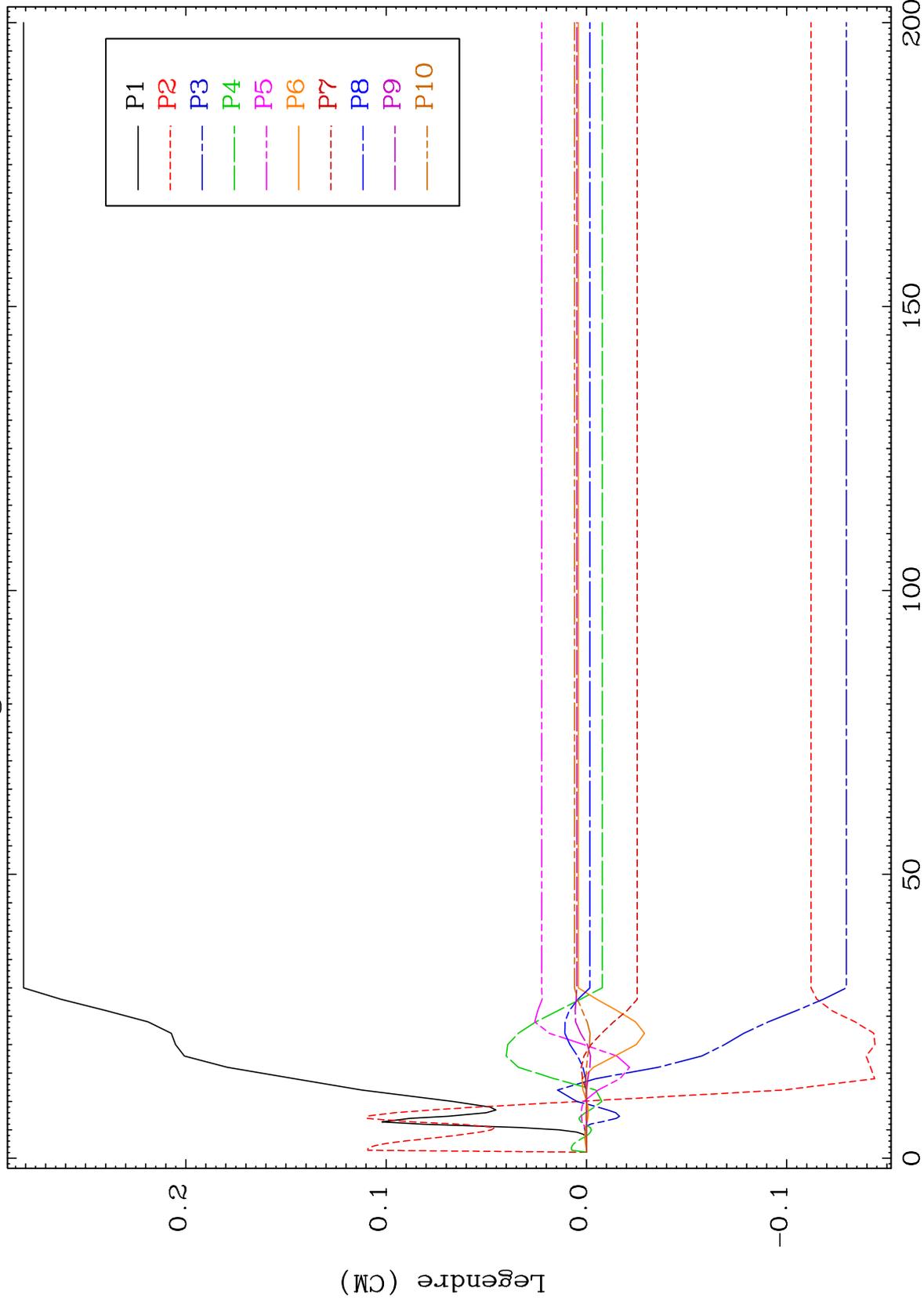
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



88-Ra-207

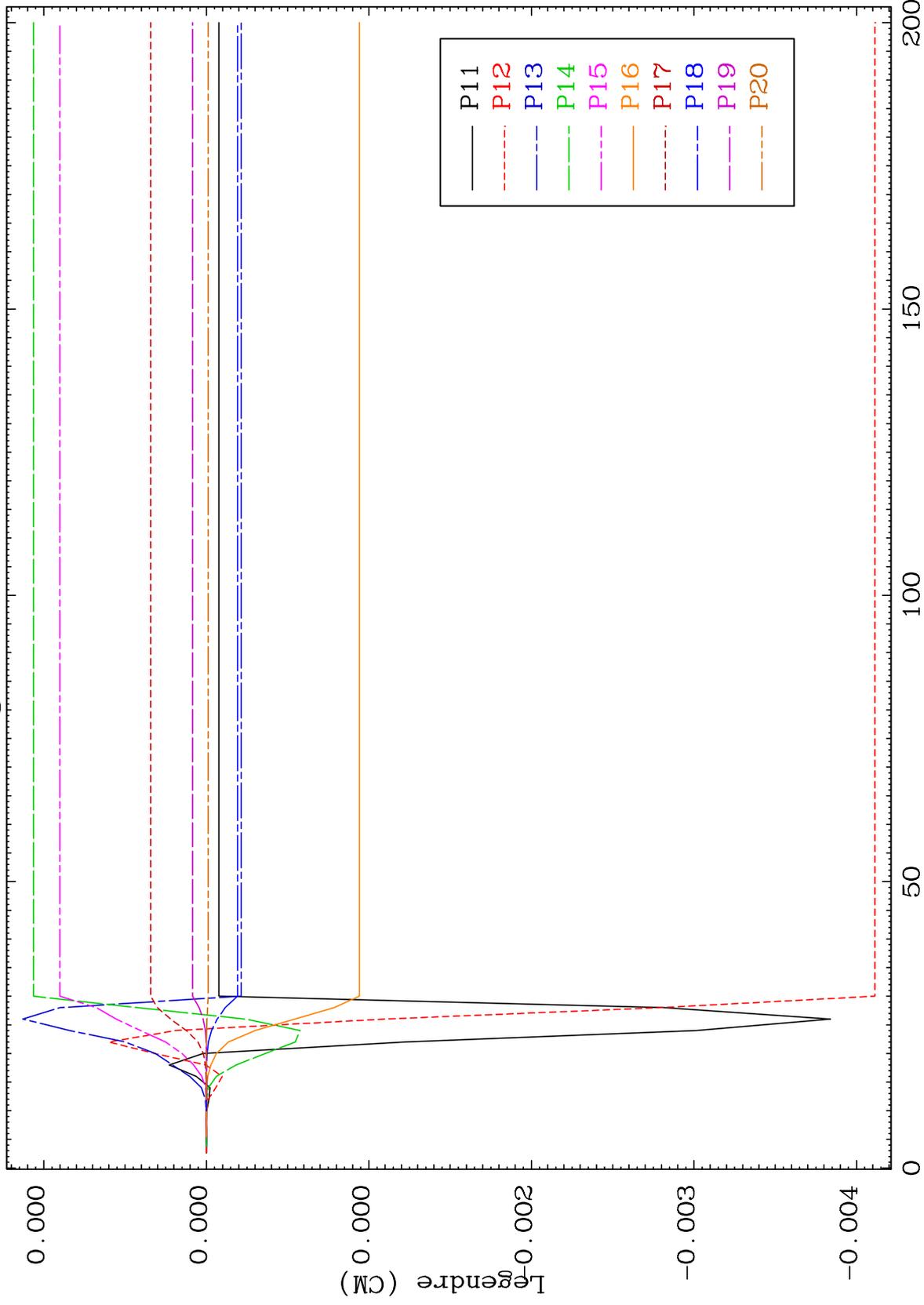
Incident Energy (MeV)

109

MAT 8777

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

88-Ra-207



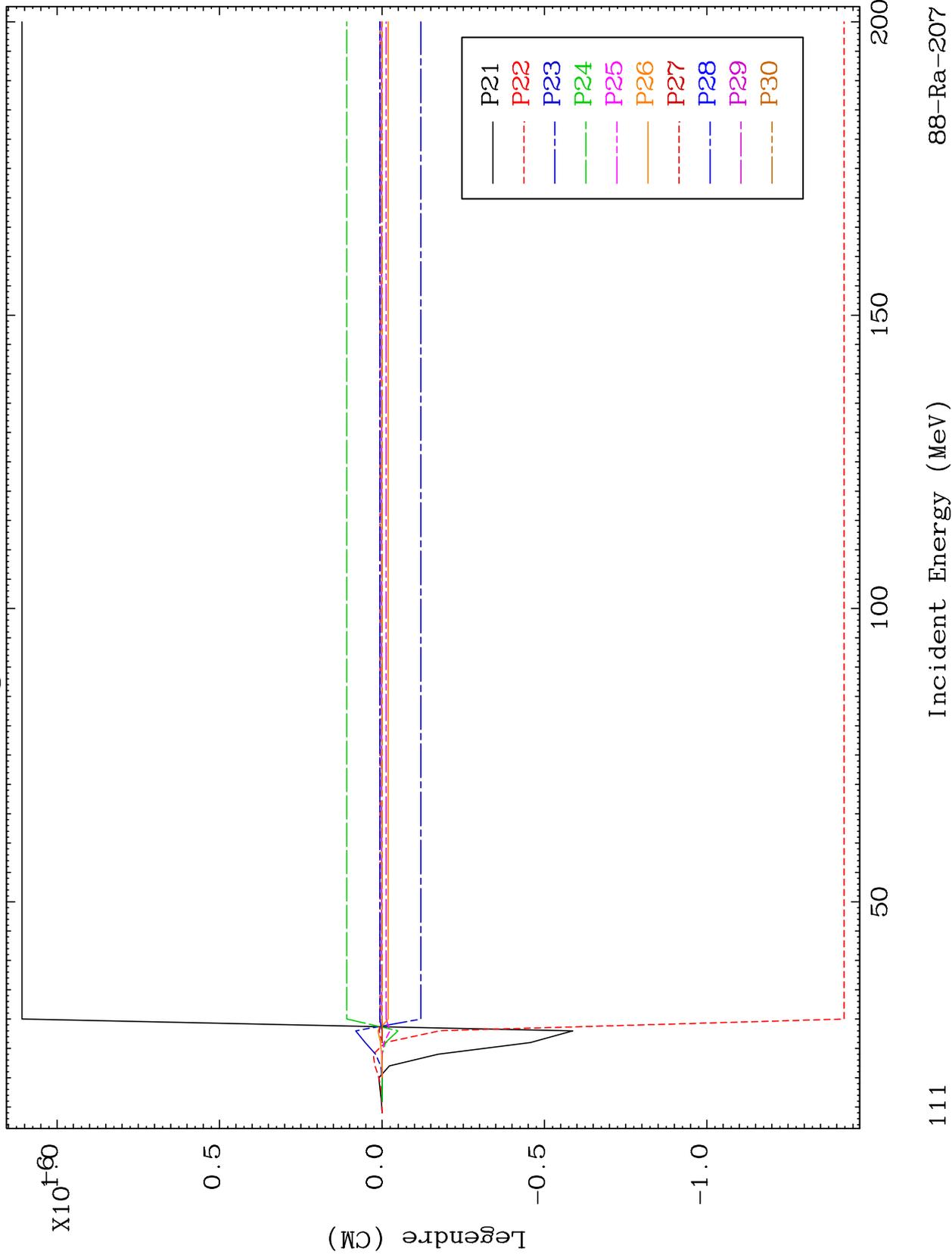
110

88-Ra-207

MAT 8777

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

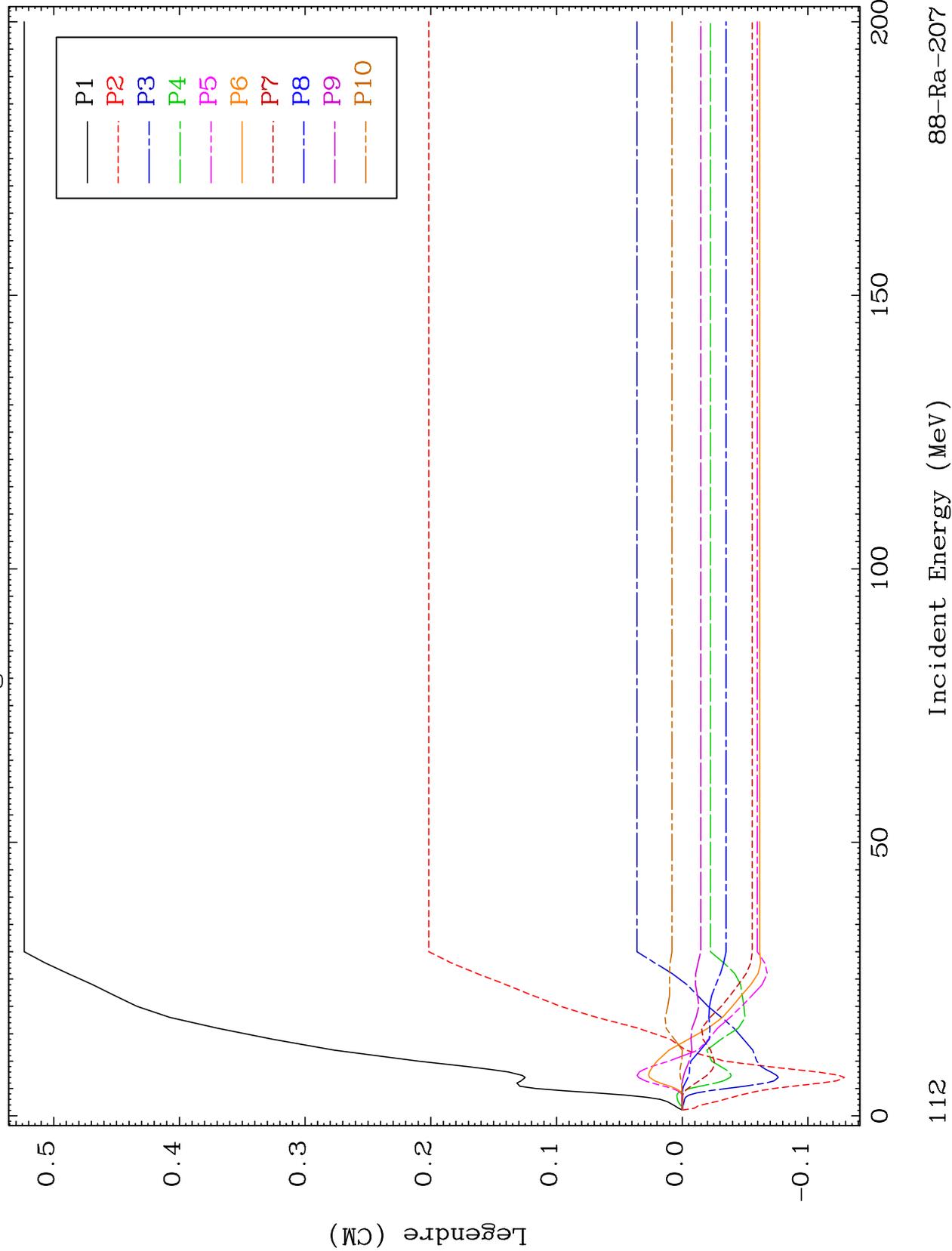
88-Ra-207



MAT 8777

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

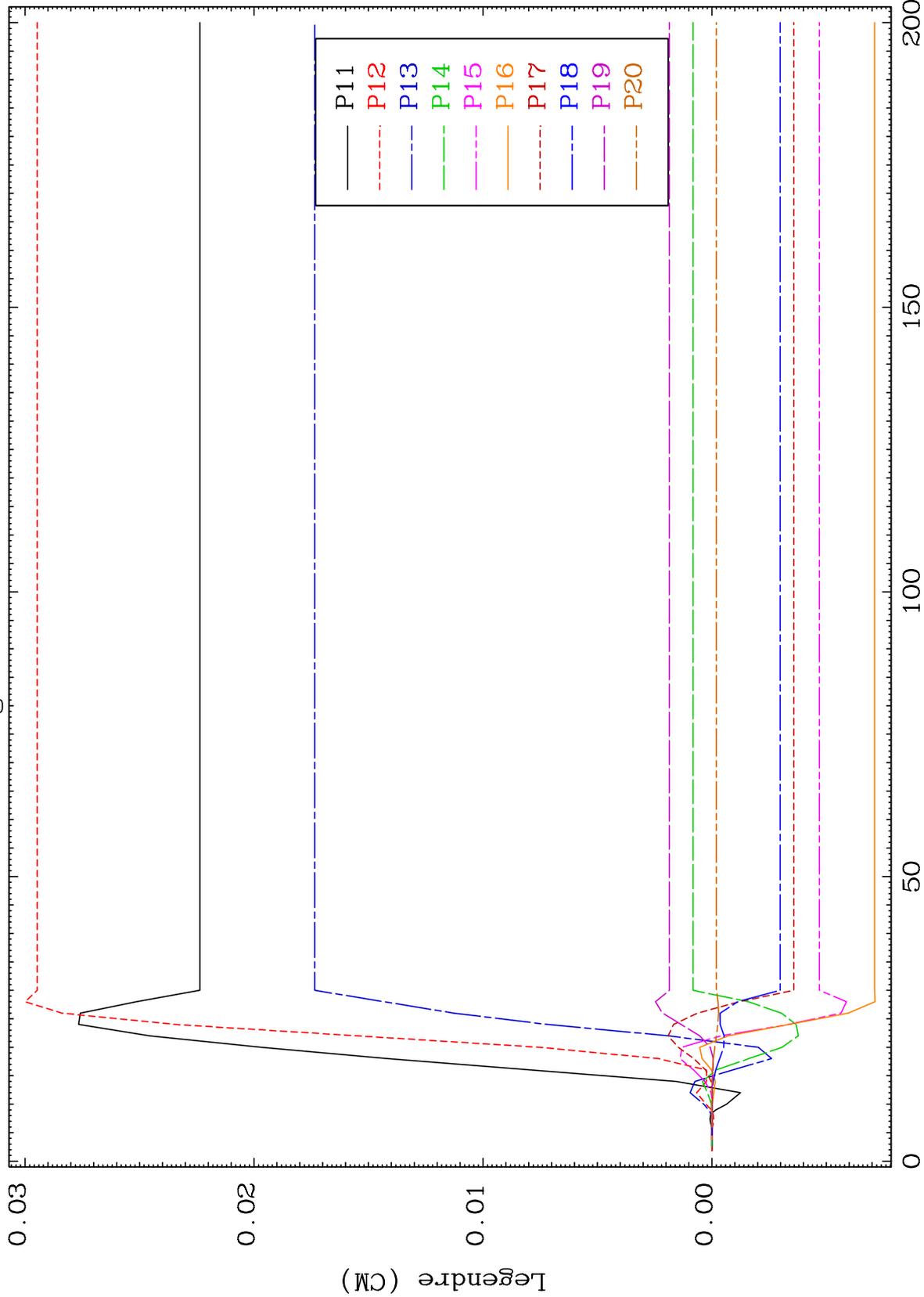
88-Ra-207



MAT 87777

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

88-Ra-207



88-Ra-207

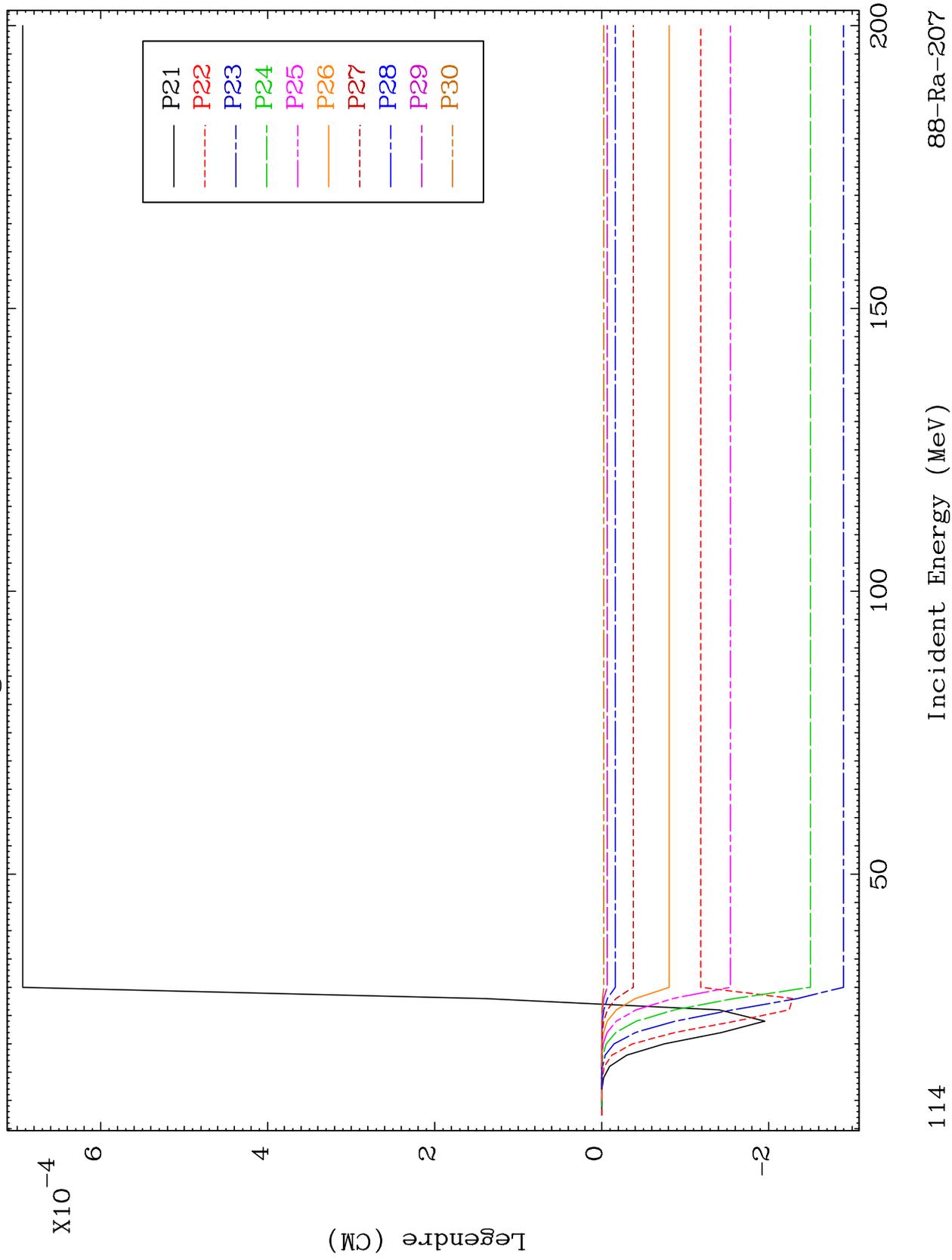
Incident Energy (MeV)

113

MAT 8777

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

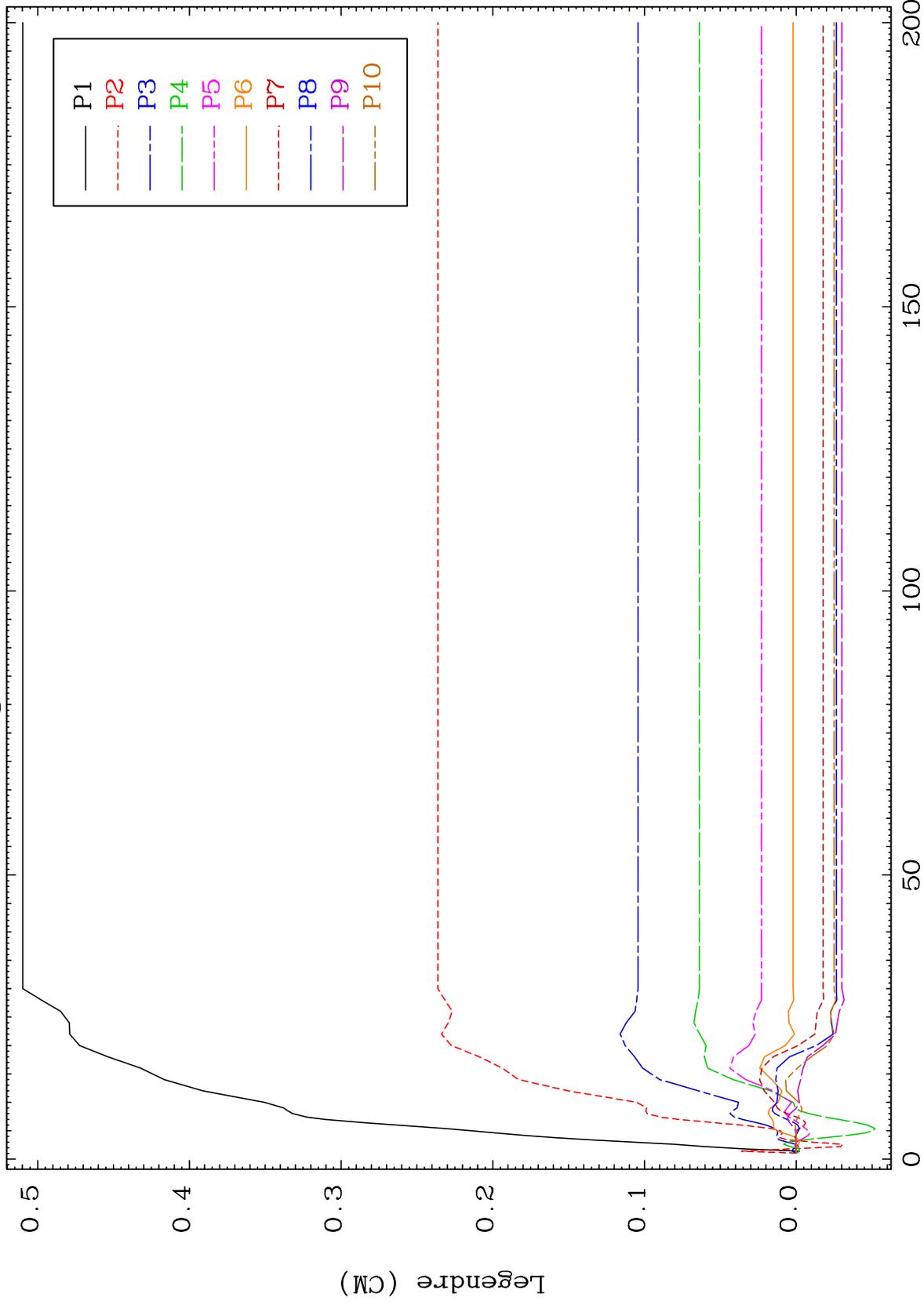
88-Ra-207



MAT 8777

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

88-Ra-207



116

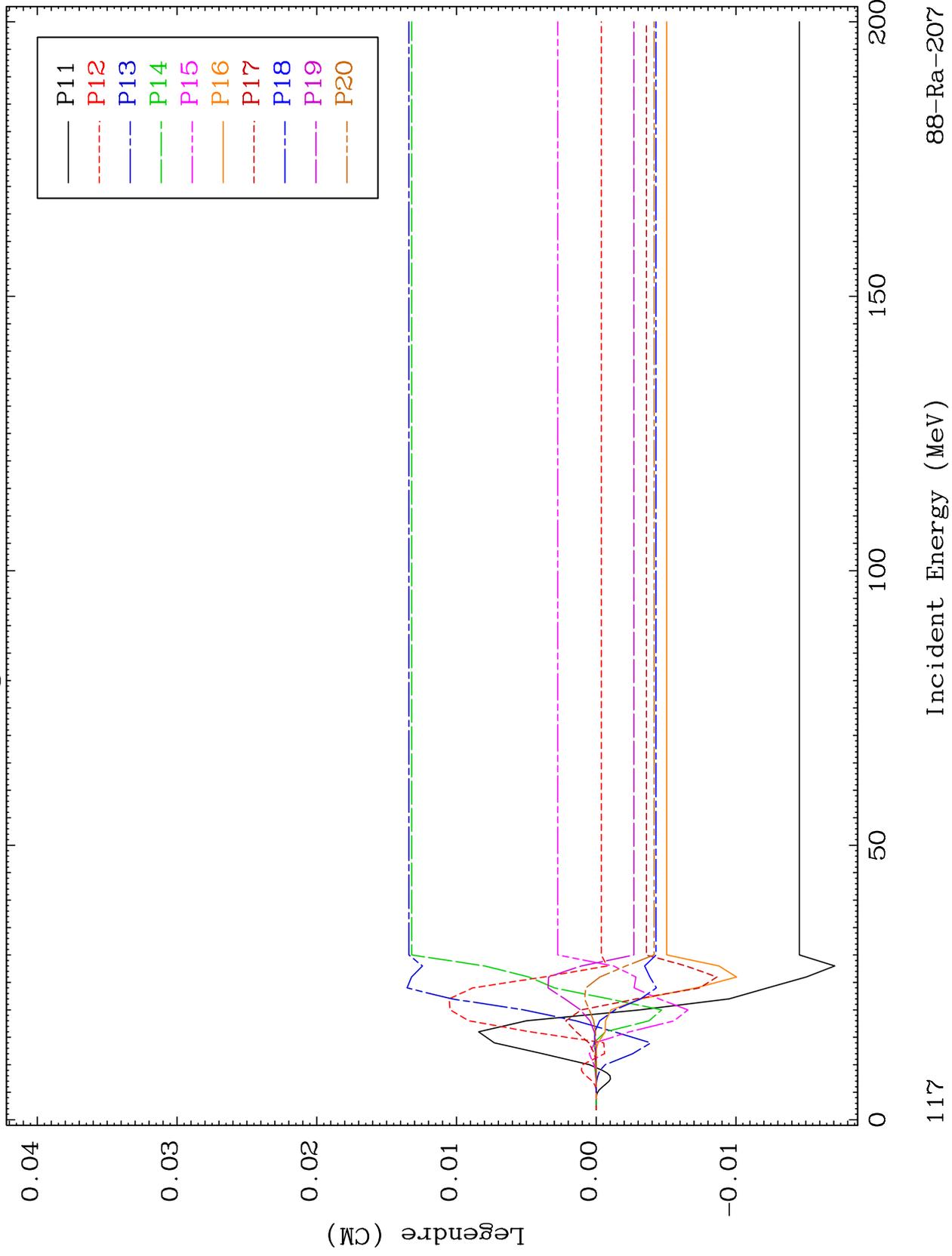
Incident Energy (MeV)

88-Ra-207

MAT 8777

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

88-Ra-207



88-Ra-207

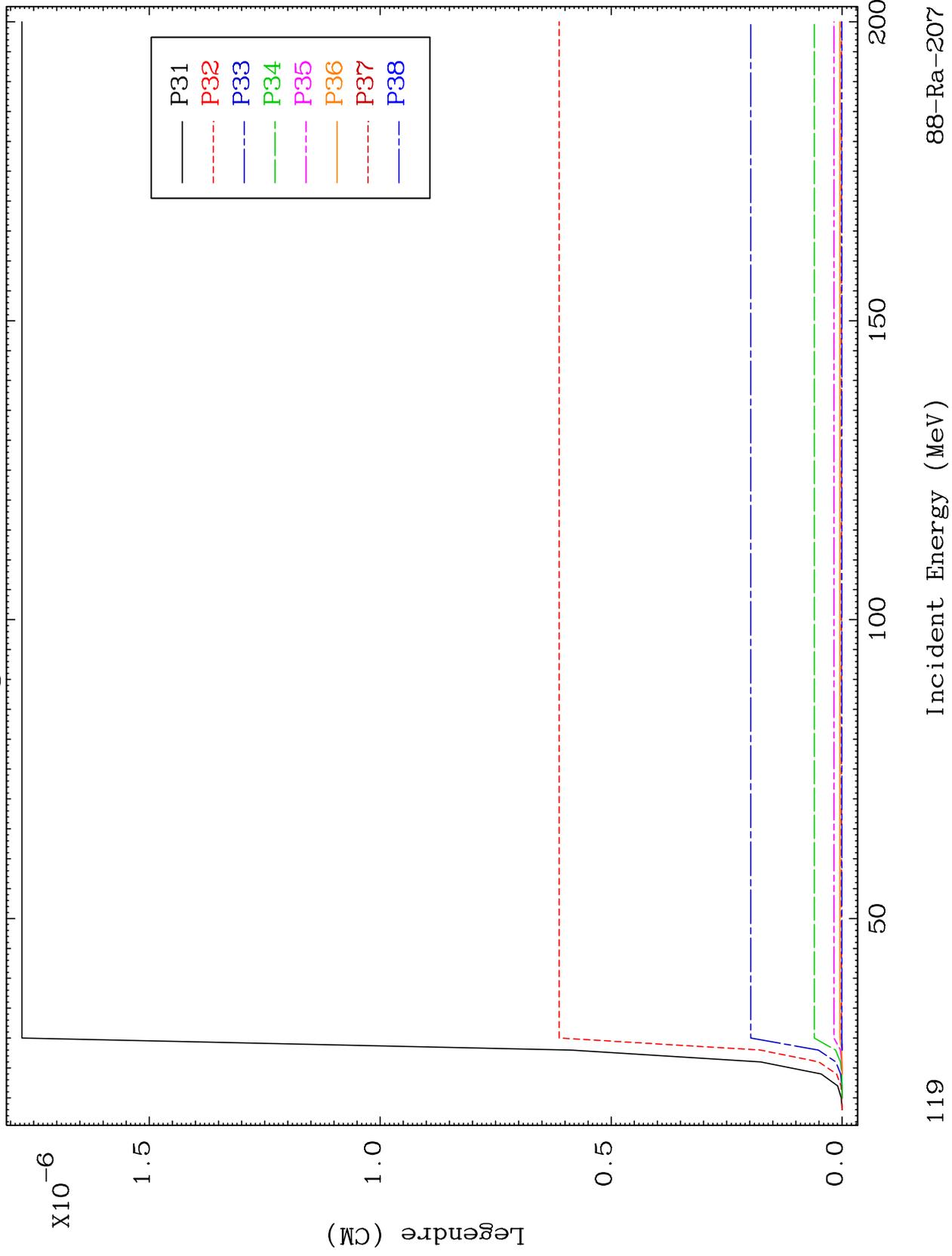
Incident Energy (MeV)

117

MAT 8777

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

88-Ra-207



119

Incident Energy (MeV)

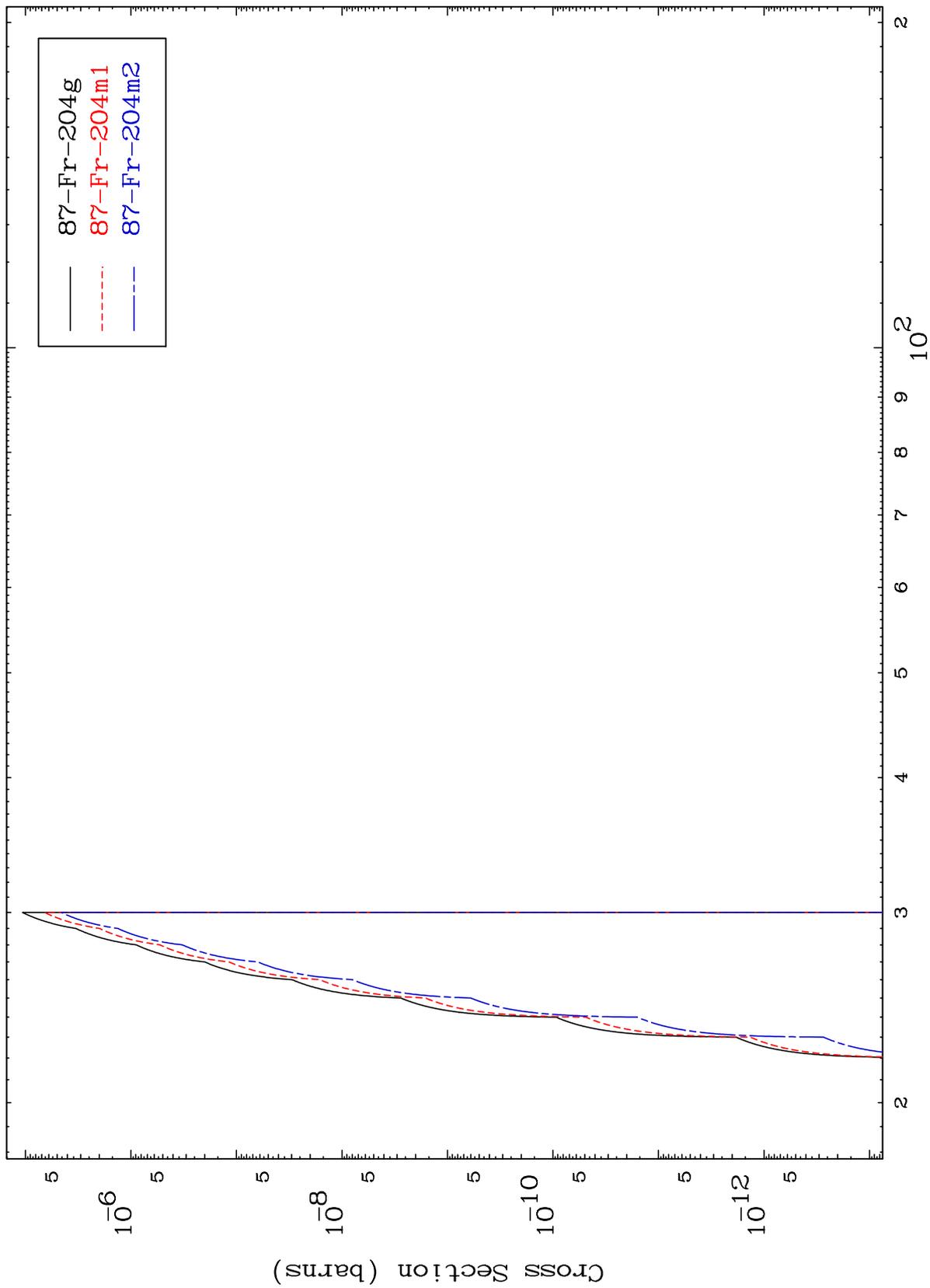
88-Ra-207

MAT 87777

(n,2n) d

88-Ra-207

Radionuclide Production Cross Section



120

Incident Energy (MeV)

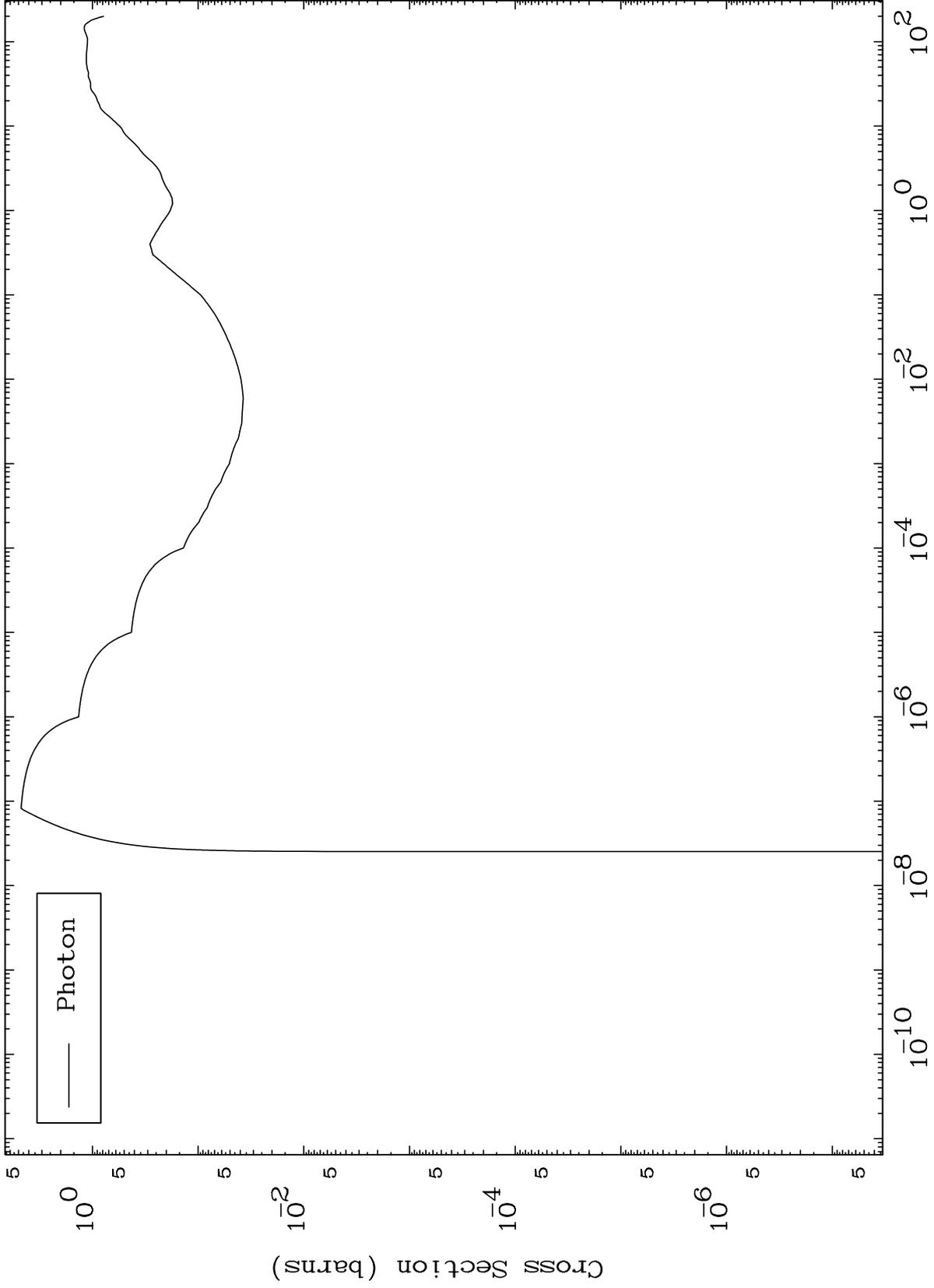
88-Ra-207

MAT 8777

Fission

88-Ra-207

Radionuclide Production Cross Section



121

Incident Energy (MeV)

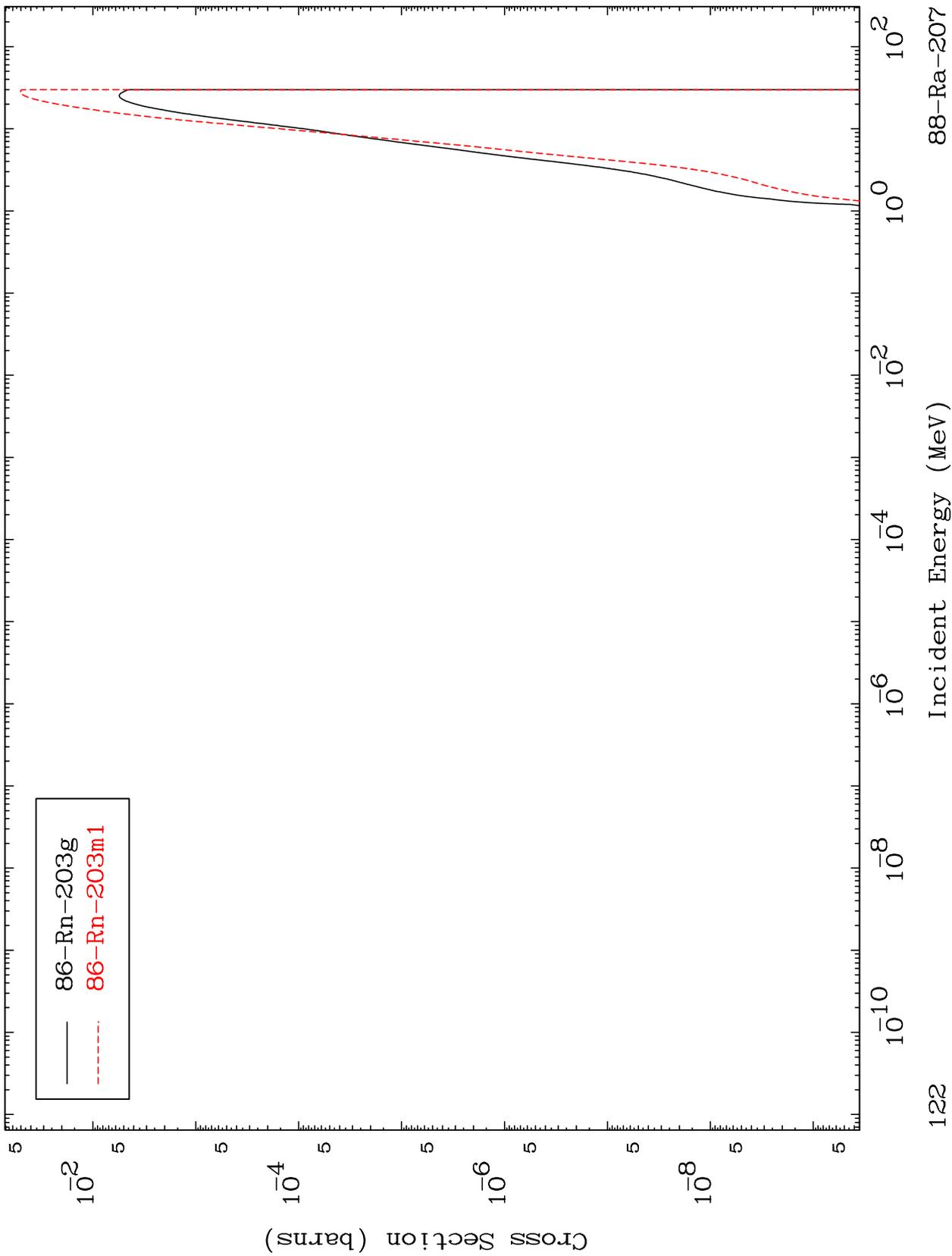
88-Ra-207

MAT 8777

$(n, n') \alpha$

88-Ra-207

Radionuclide Production Cross Section



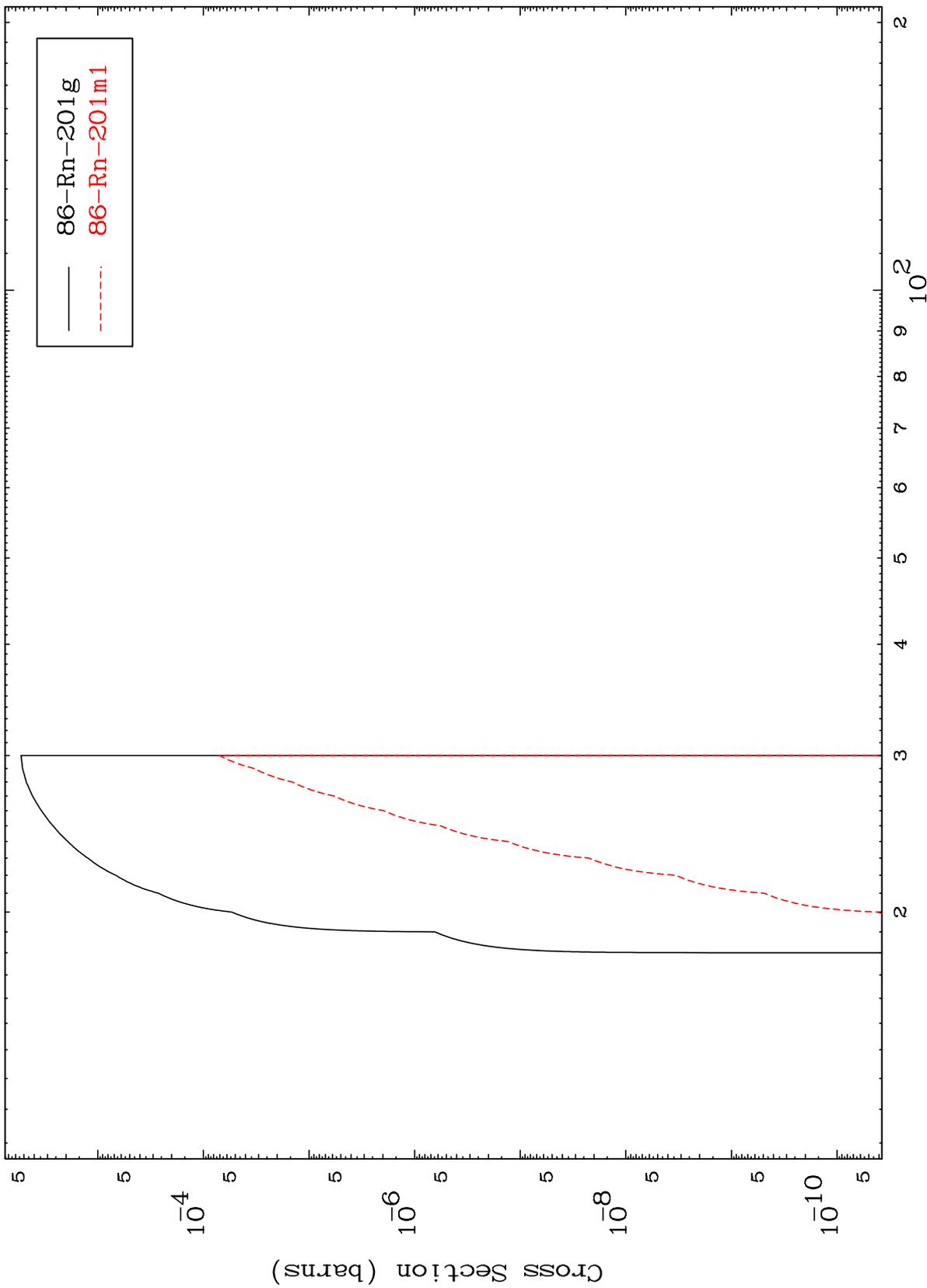
86-Rn-203g
86-Rn-203m1

MAT 8777

(n,3n) α

88-Ra-207

Radionuclide Production Cross Section



123

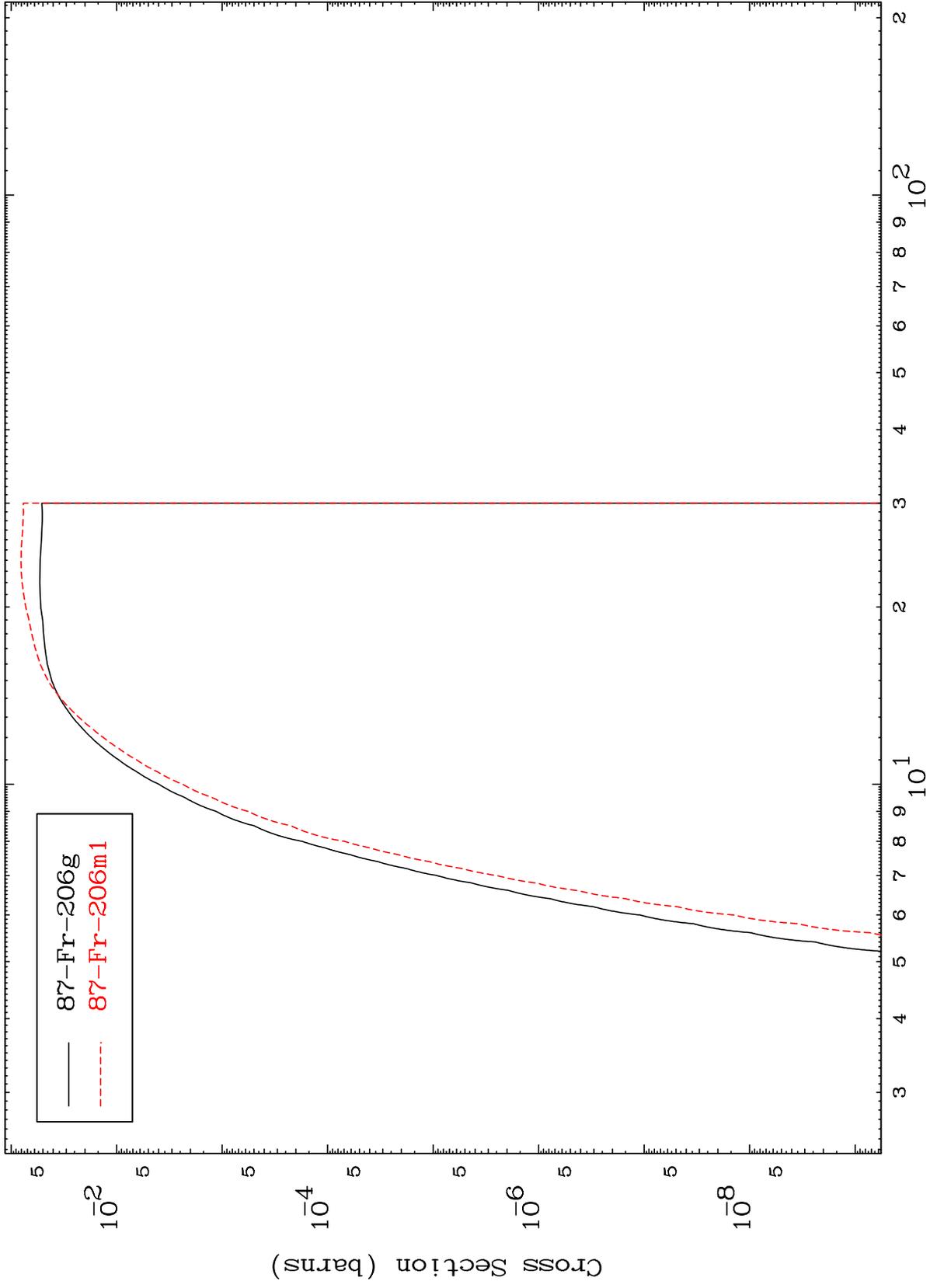
Incident Energy (MeV)

88-Ra-207

MAT 87777

88-Ra-207

(n,n') p
Radionuclide Production Cross Section



124

Incident Energy (MeV)

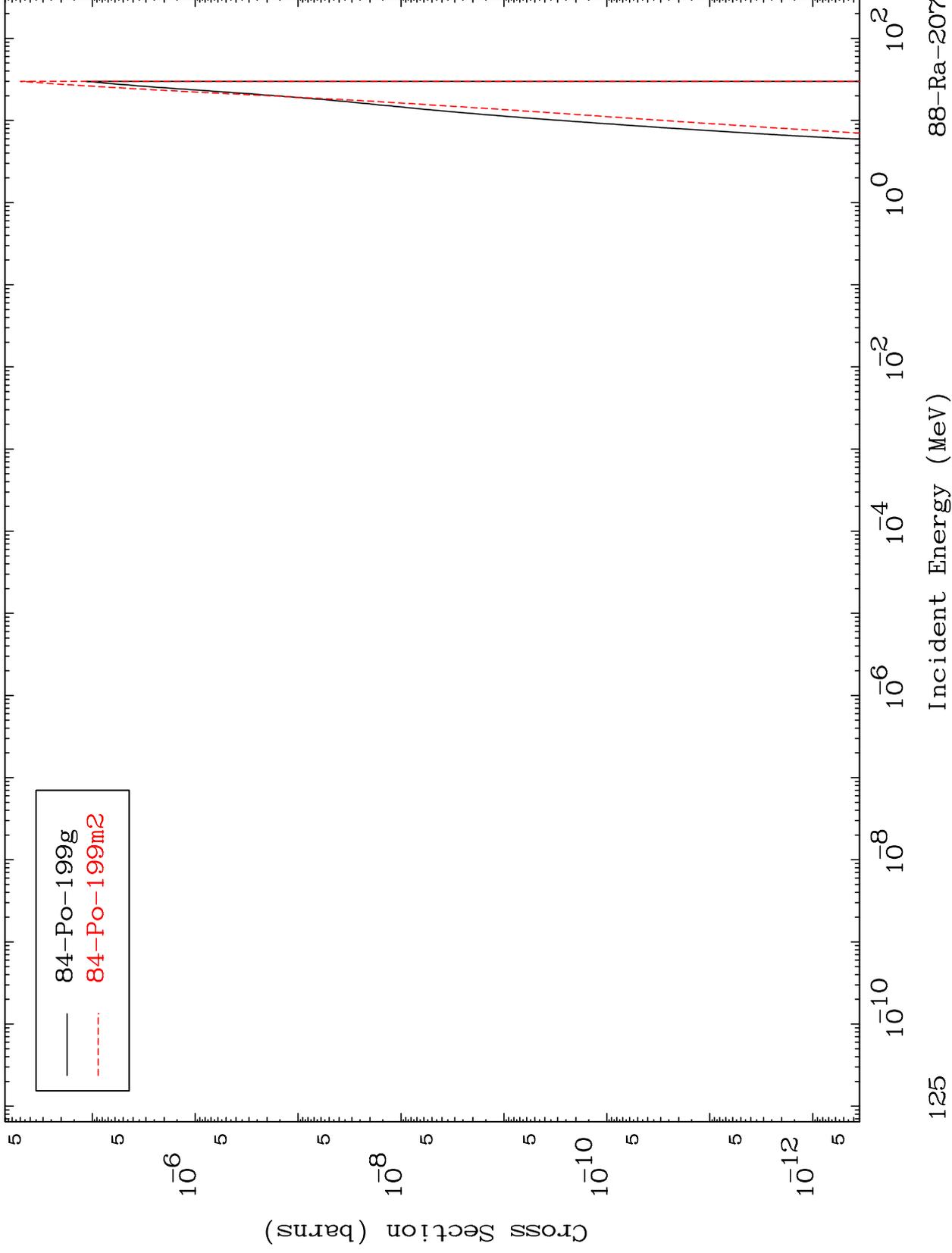
88-Ra-207

MAT 8777

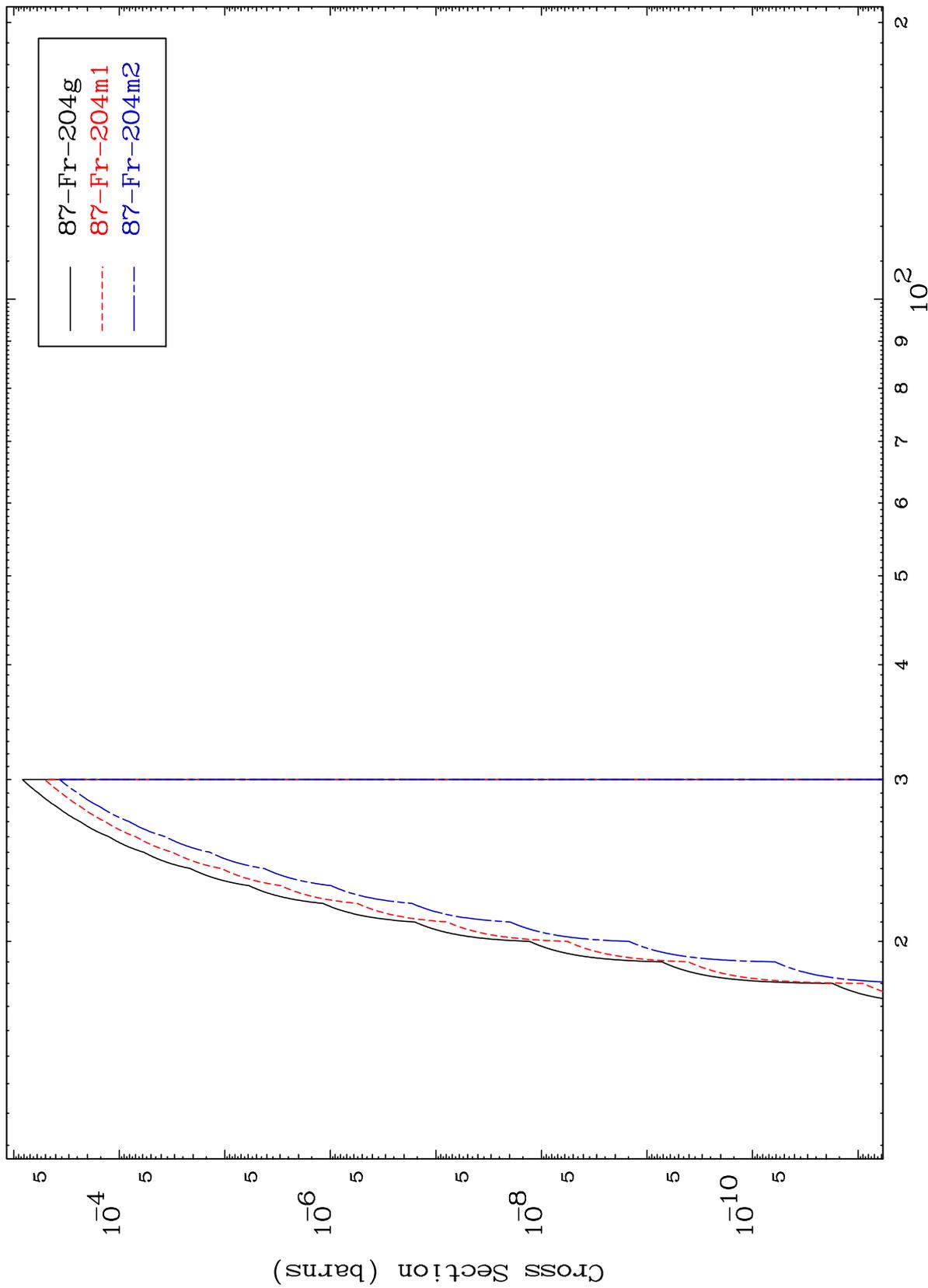
(n,n') 2 α

88-Ra-207

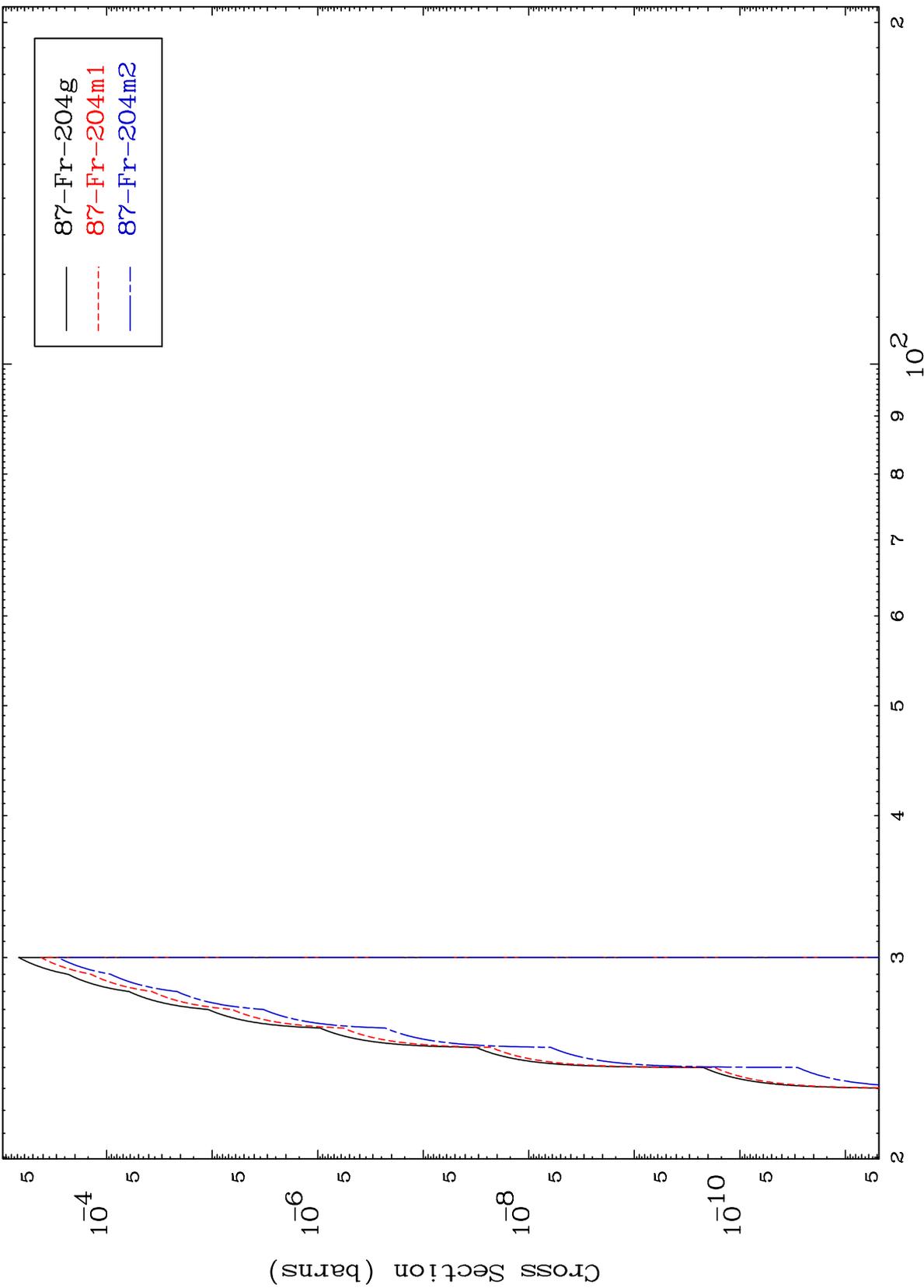
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

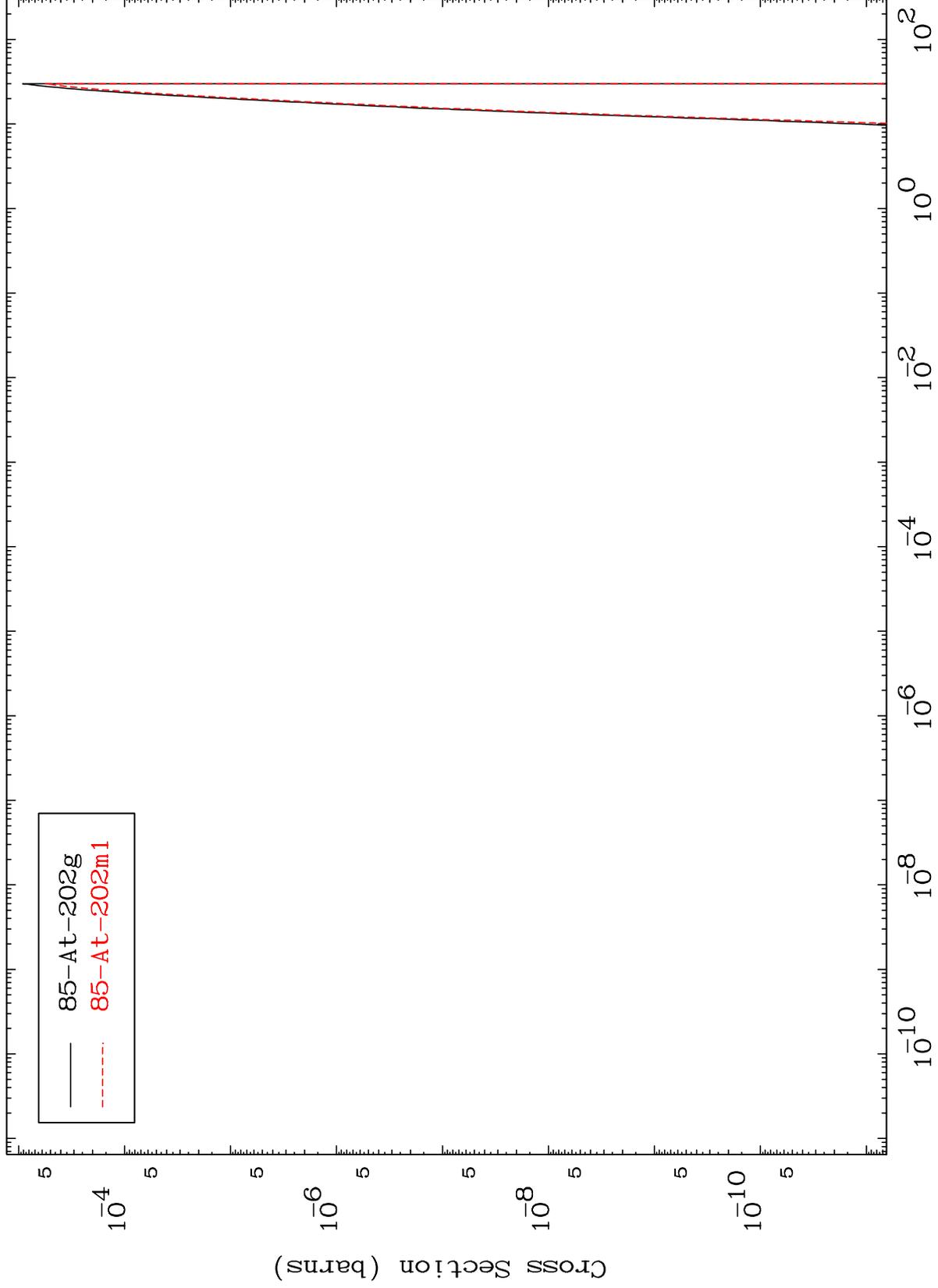


MAT 8777

(n,n') p α

88-Ra-207

Radionuclide Production Cross Section



128

Incident Energy (MeV)

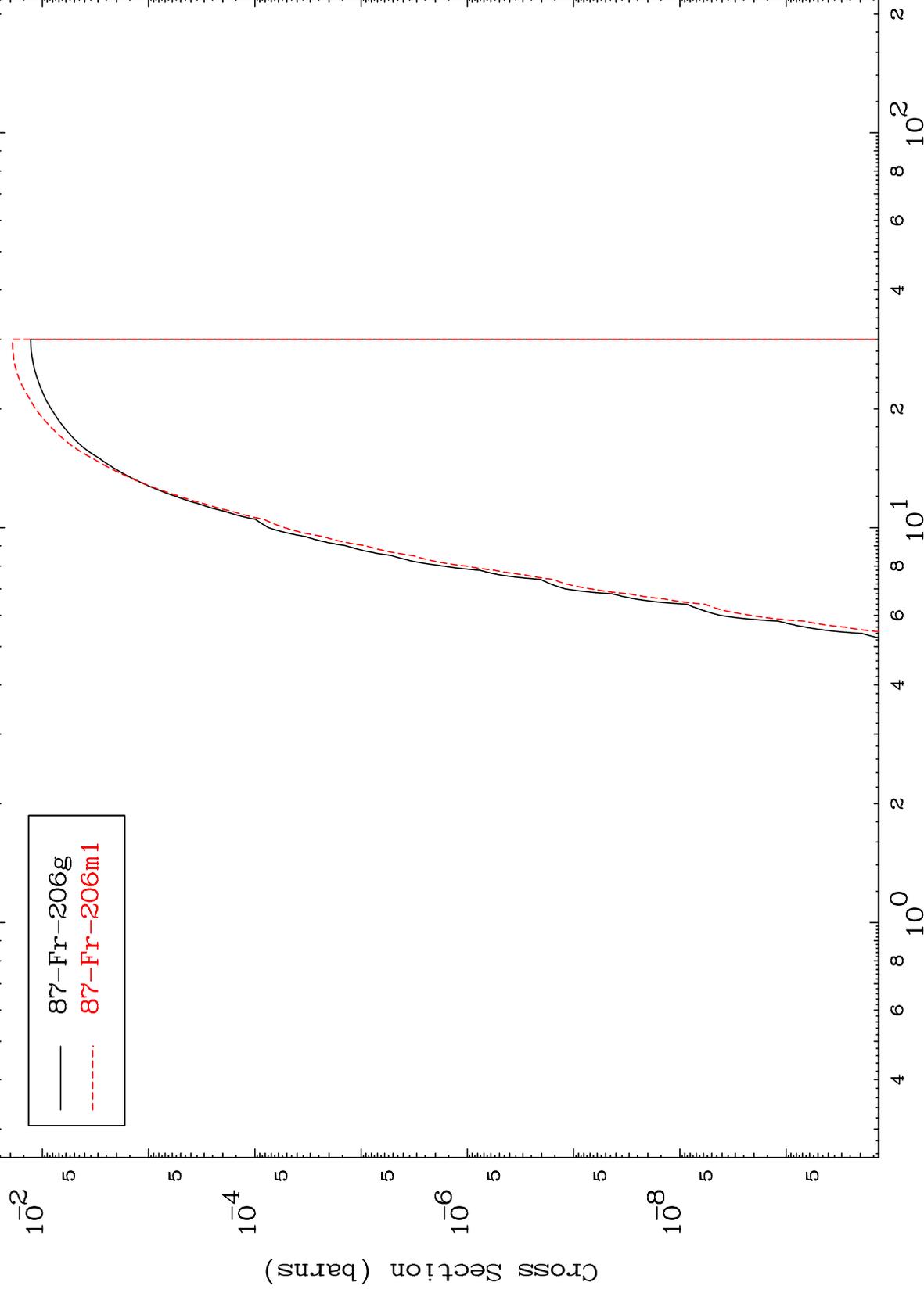
88-Ra-207

MAT 87777

(n,d)

88-Ra-207

Radionuclide Production Cross Section



129

Incident Energy (MeV)

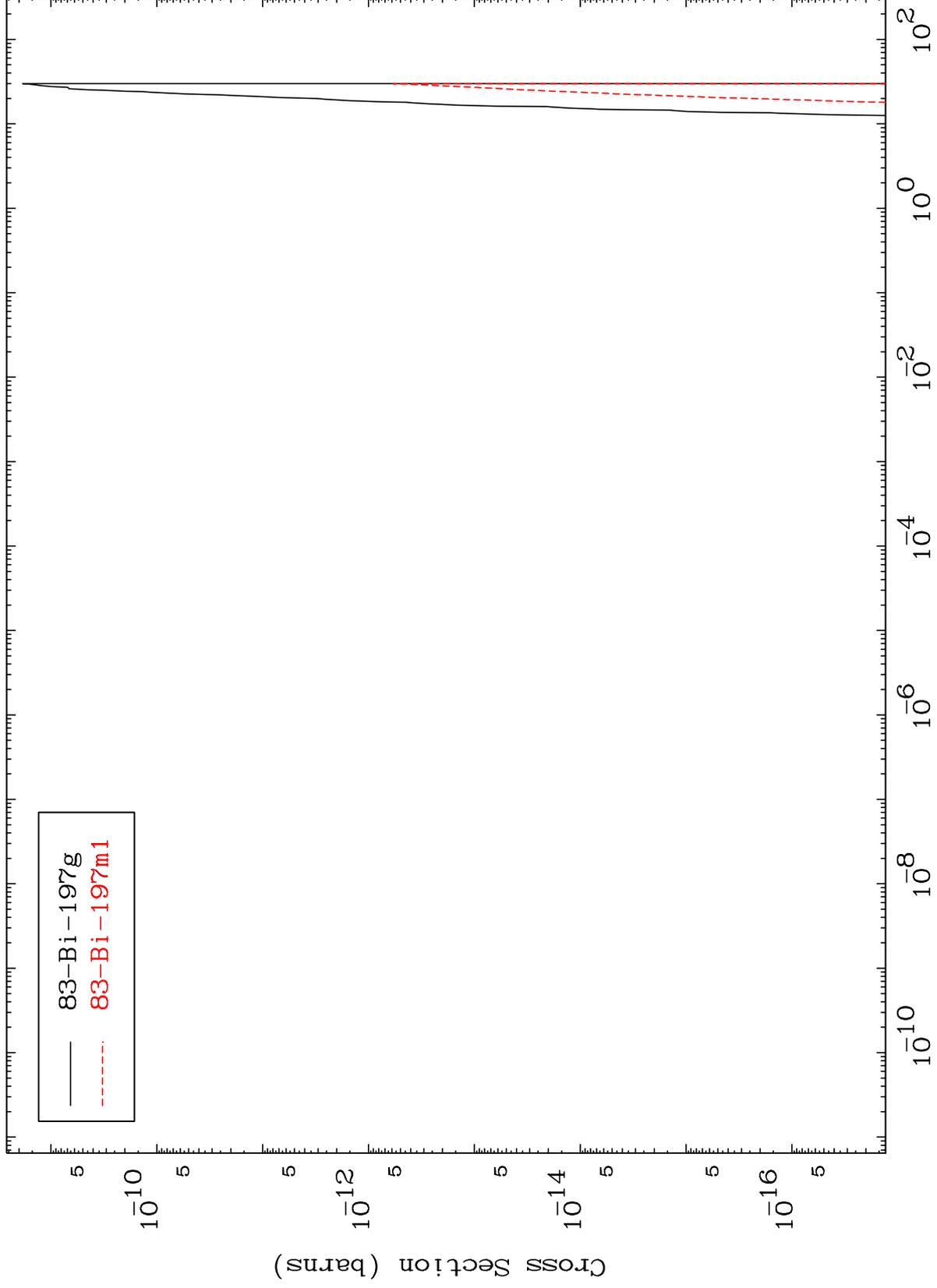
88-Ra-207

MAT 8777

(n,t) 2 α

88-Ra-207

Radionuclide Production Cross Section



130

Incident Energy (MeV)

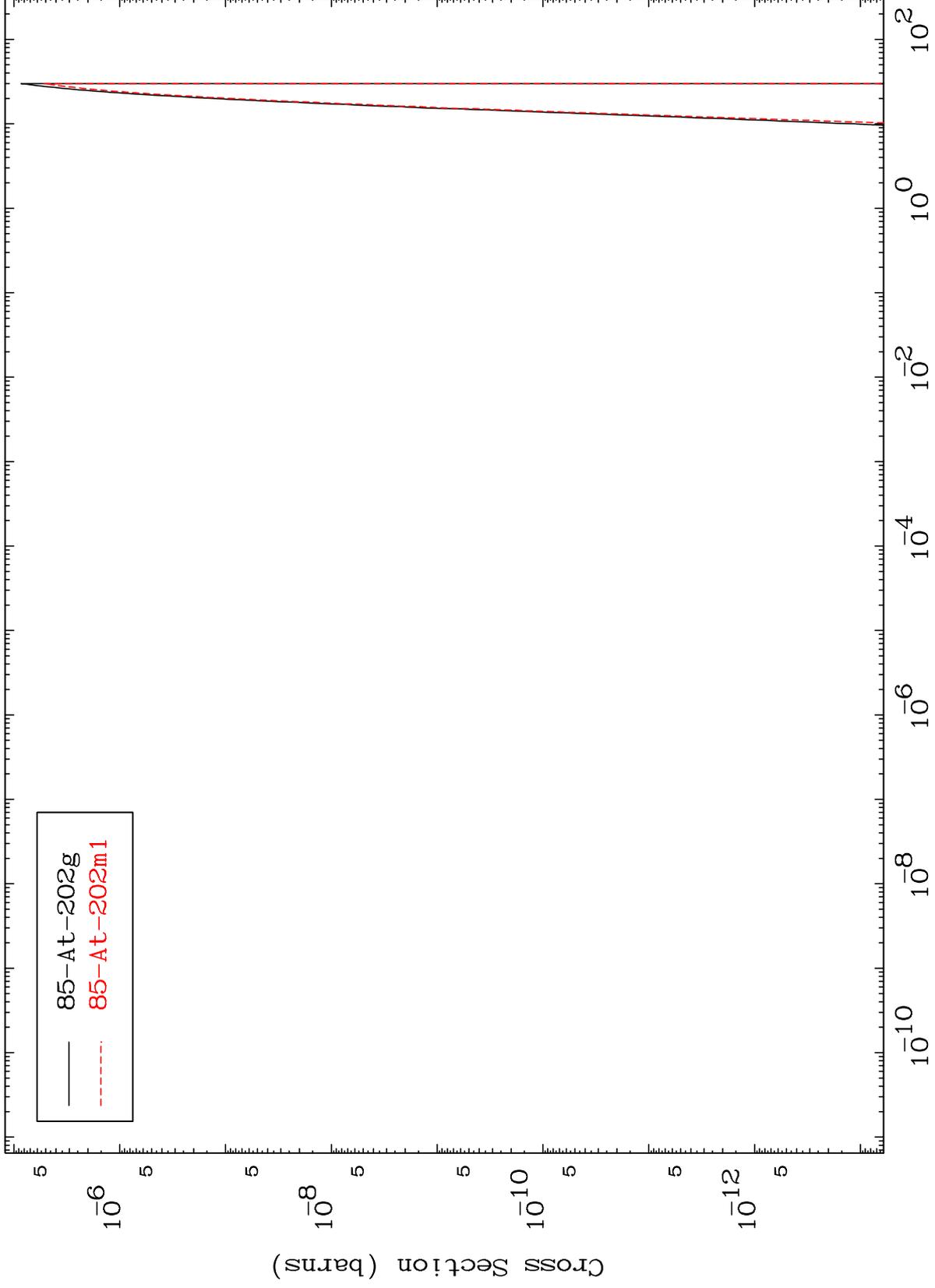
88-Ra-207

MAT 8777

(n,d) α

88-Ra-207

Radionuclide Production Cross Section



85-At-202g
85-At-202m1

131

Incident Energy (MeV)

88-Ra-207