

Program EVALPLOT
(Version 2018-1)

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

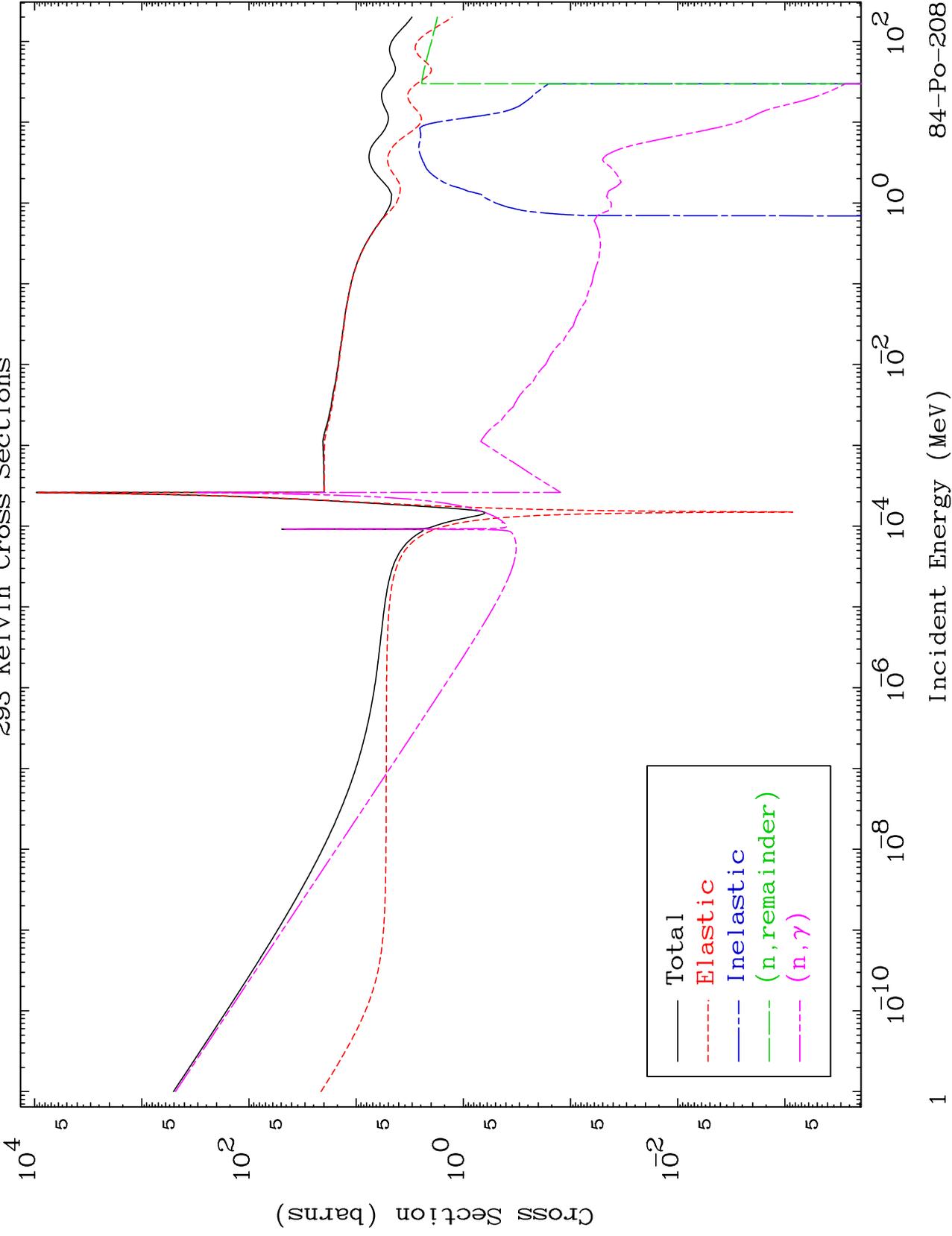
Press Mouse Button to Start

MAT 8431

Major

293 Kelvin Cross Sections

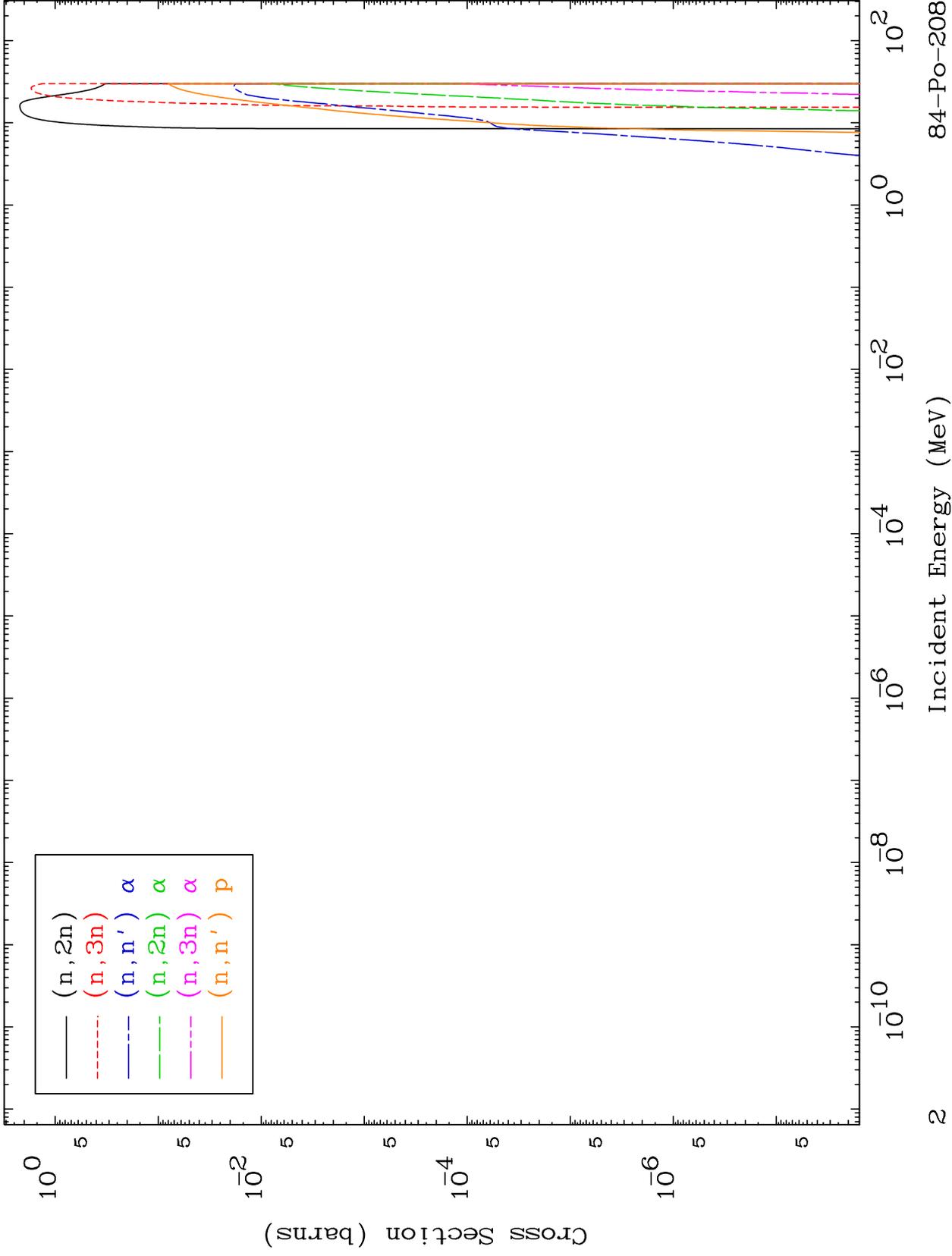
84-Po-208



MAT 8431

Neutron Production
293 Kelvin Cross Sections

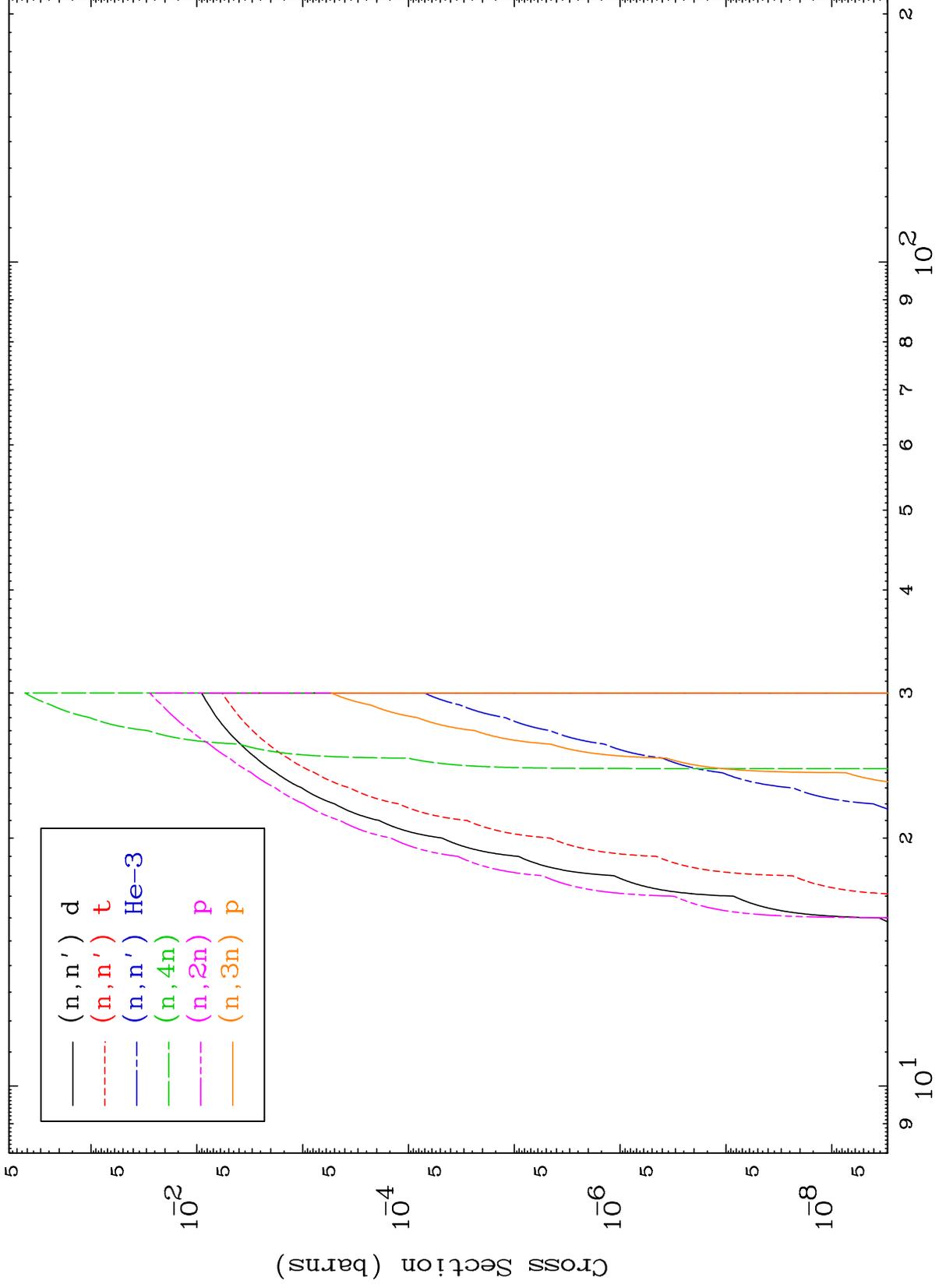
84-Po-208



MAT 8431

Neutron Production
293 Kelvin Cross Sections

84-Po-208



3

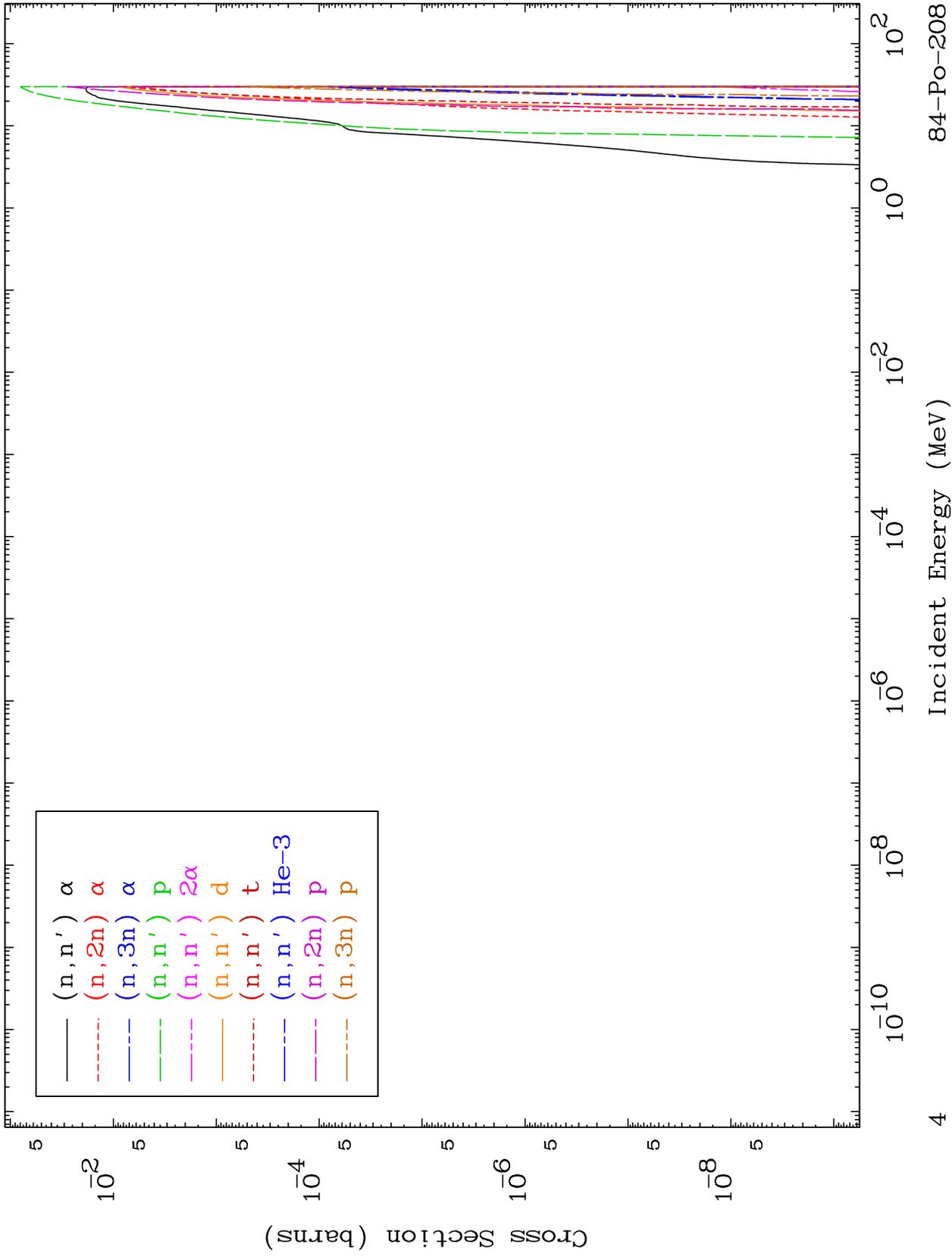
Incident Energy (MeV)

84-Po-208

MAT 8431

Charged Particle
293 Kelvin Cross Sections

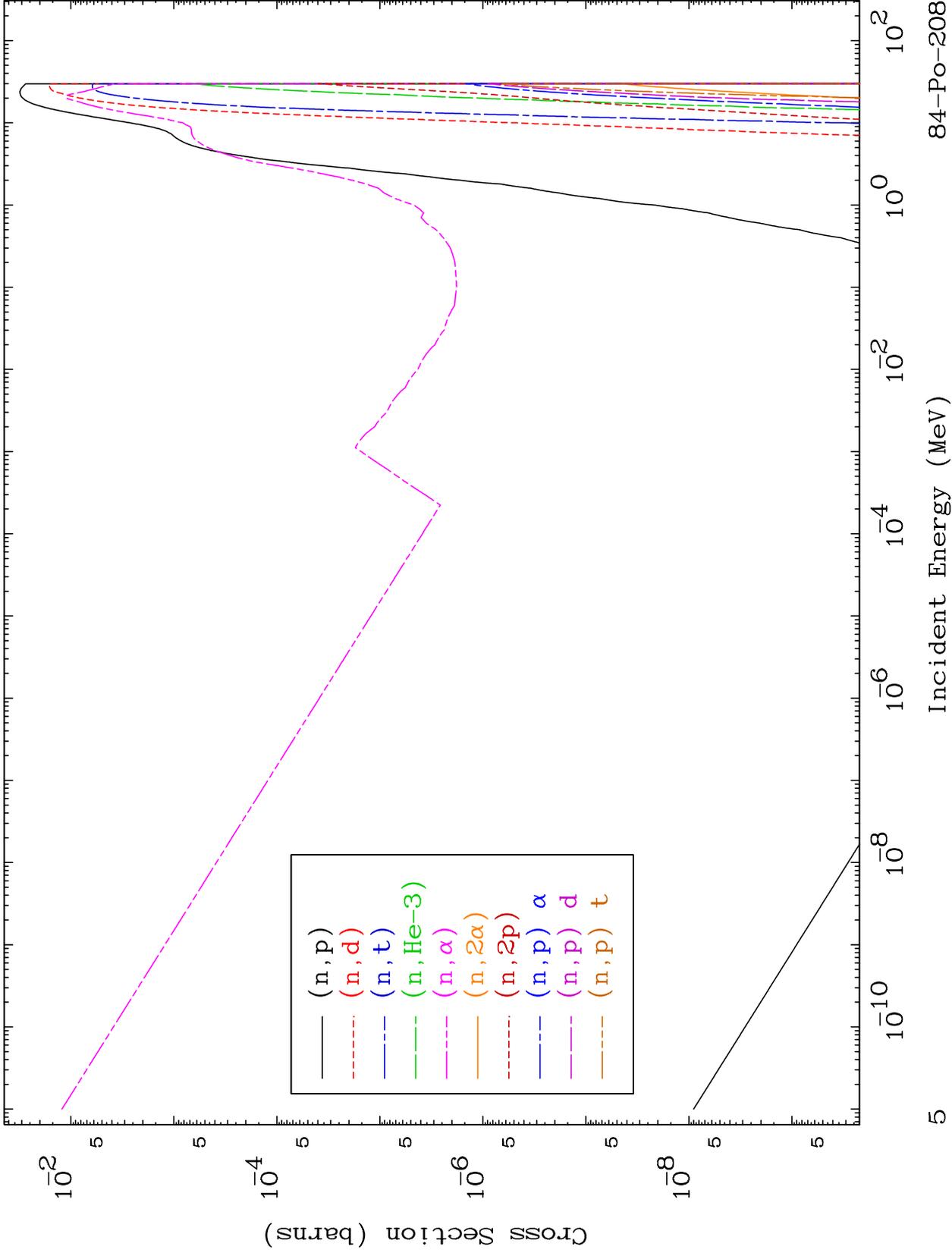
84-Po-208



MAT 8431

Charged Particle
293 Kelvin Cross Sections

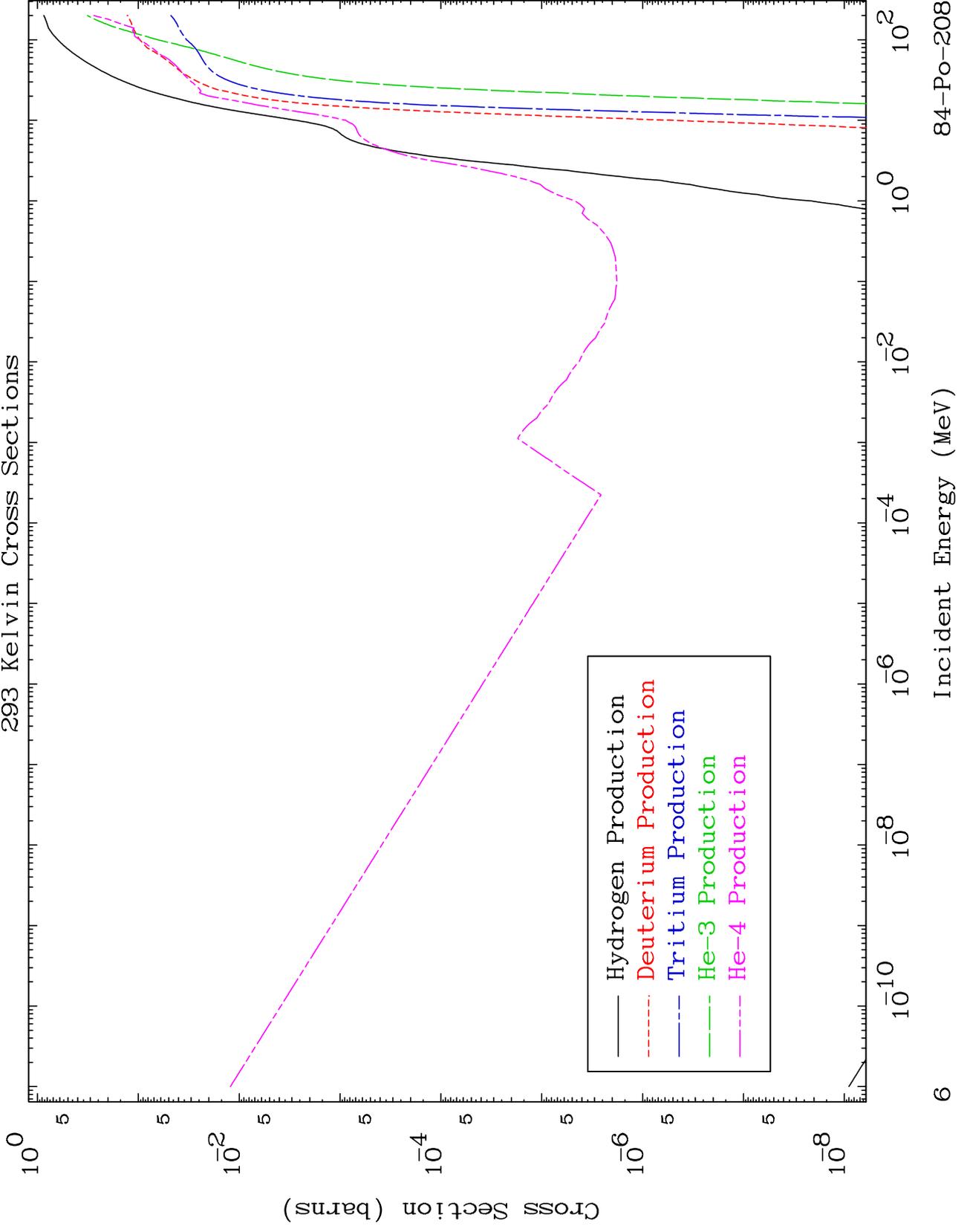
84-Po-208



MAT 8431

Particle Production
293 Kelvin Cross Sections

84-Po-208

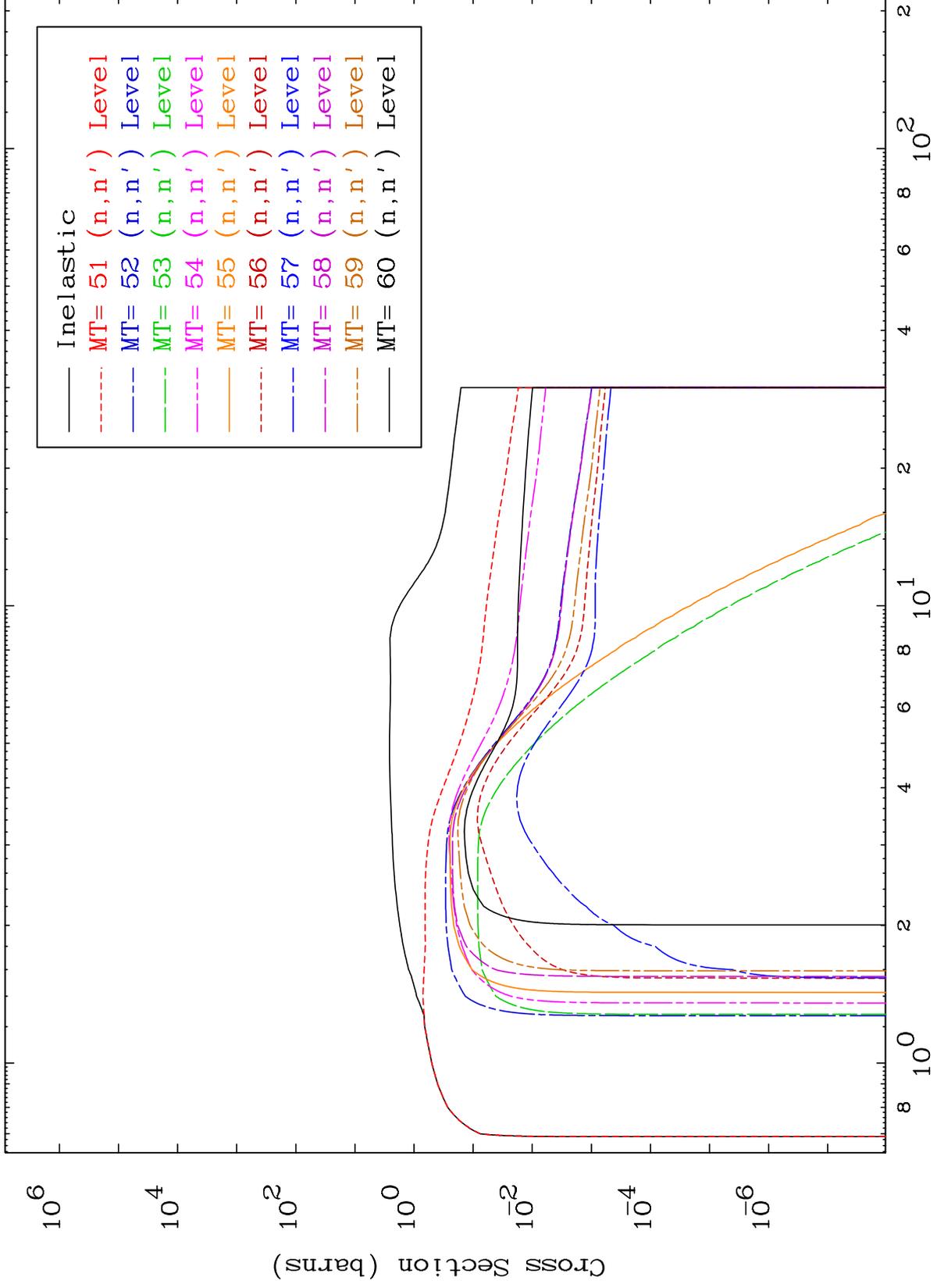


MAT 8431

(n,n') Level

84-Po-208

293 Kelvin Cross Sections



7

Incident Energy (MeV)

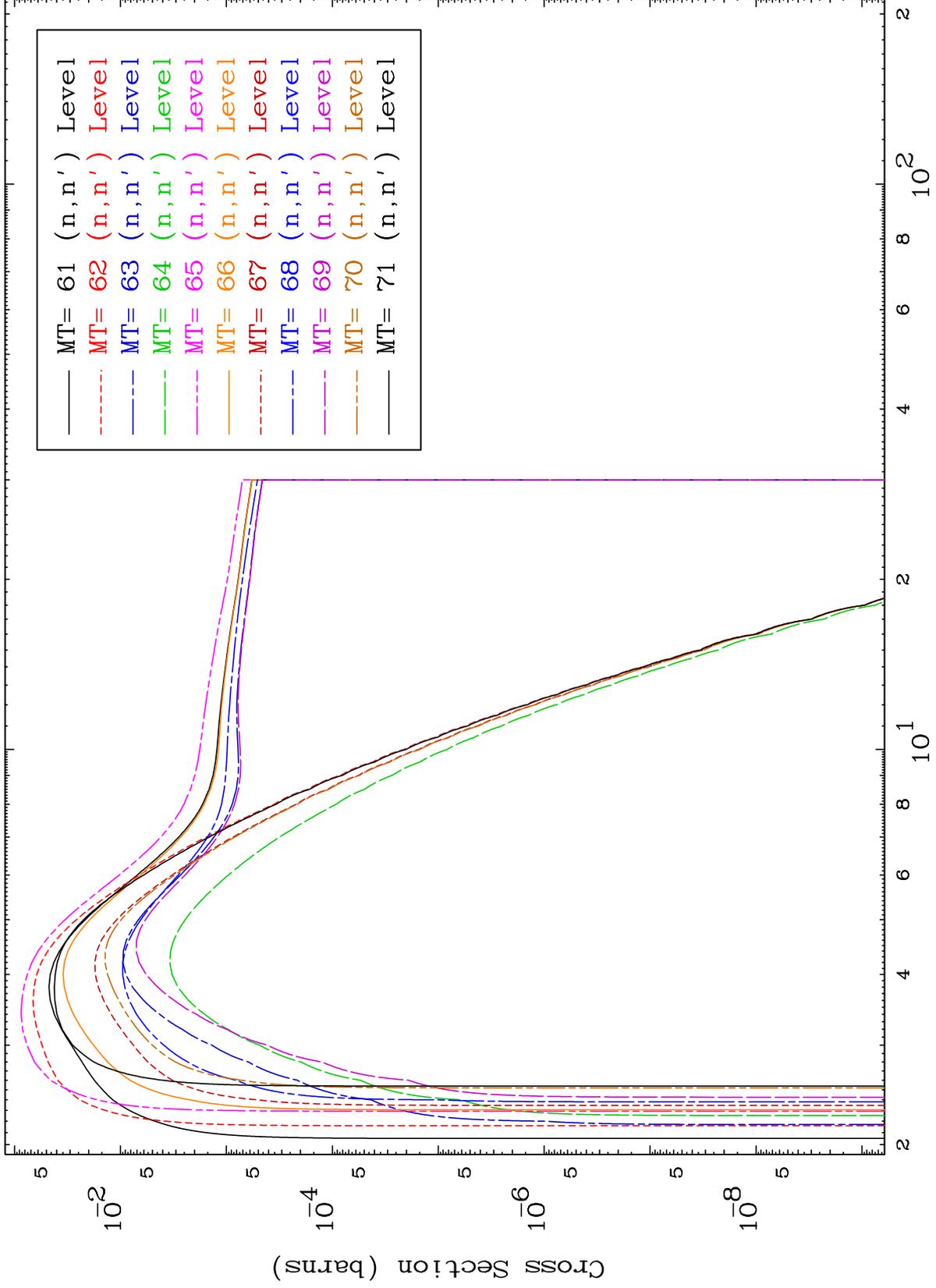
84-Po-208

MAT 8431

(n,n') Level

84-Po-208

293 Kelvin Cross Sections

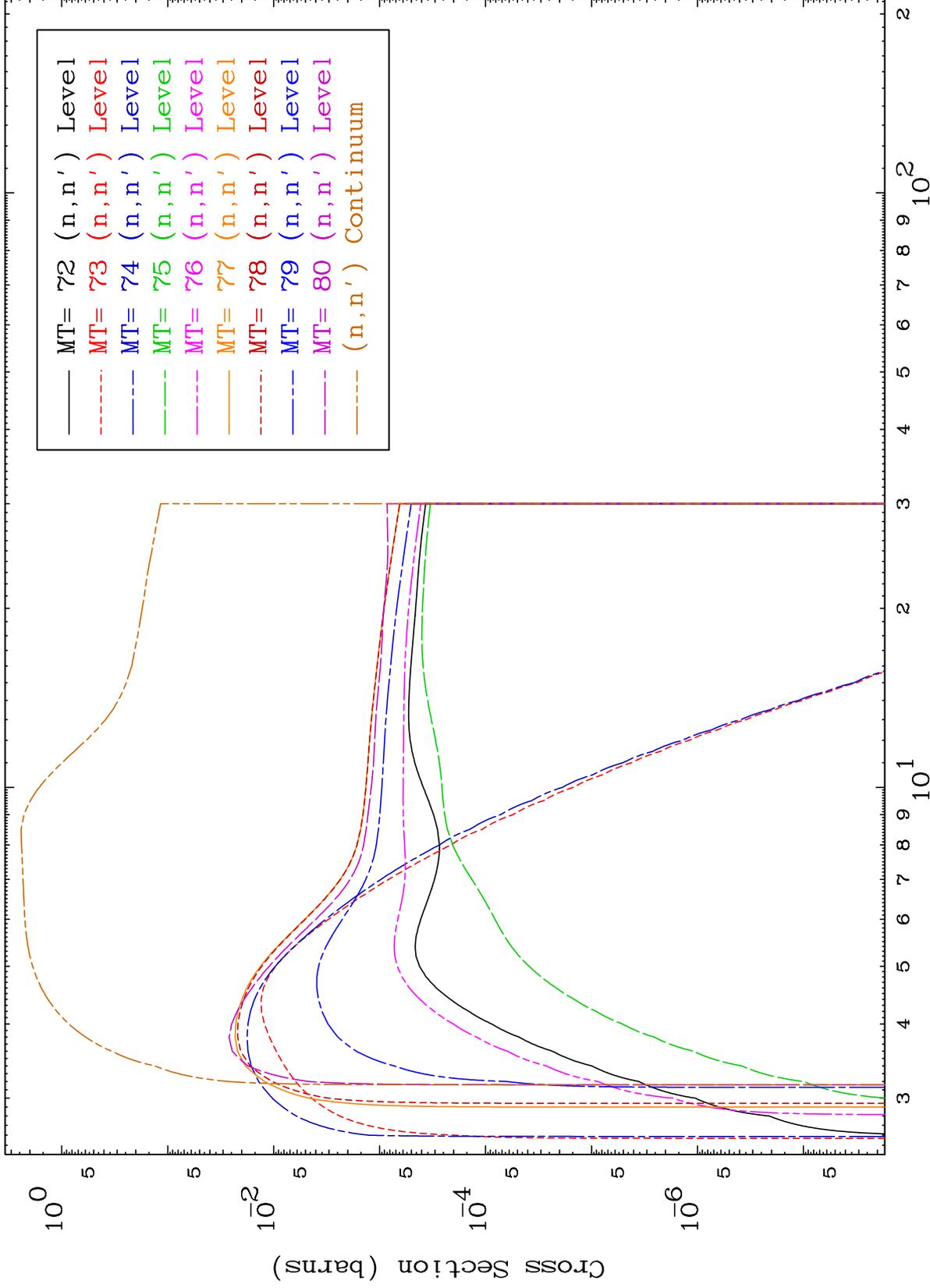


8

Incident Energy (MeV)

84-Po-208

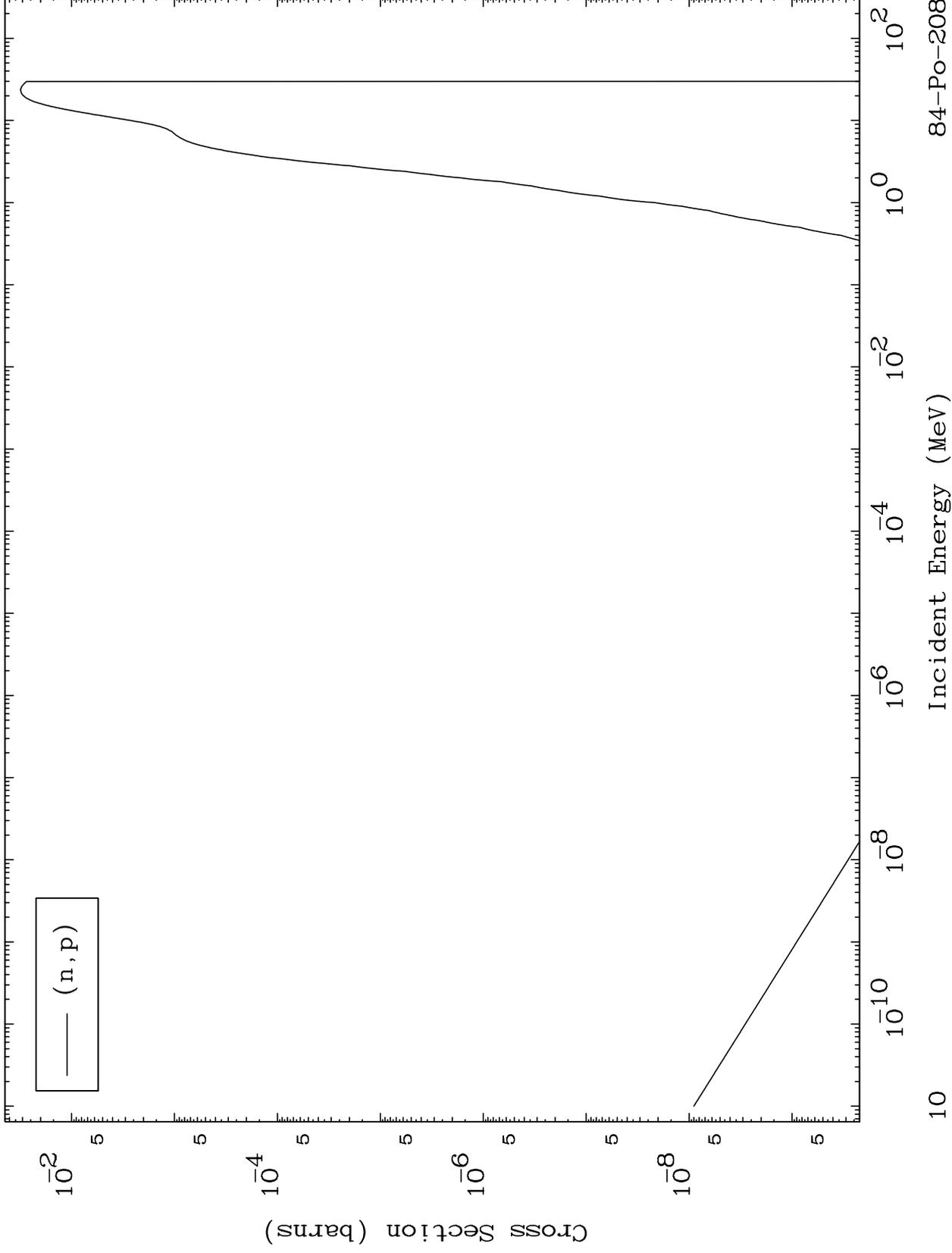
293 Kelvin Cross Sections



MAT 8431

(n,p) Levels
293 Kelvin Cross Sections

84-Po-208



10

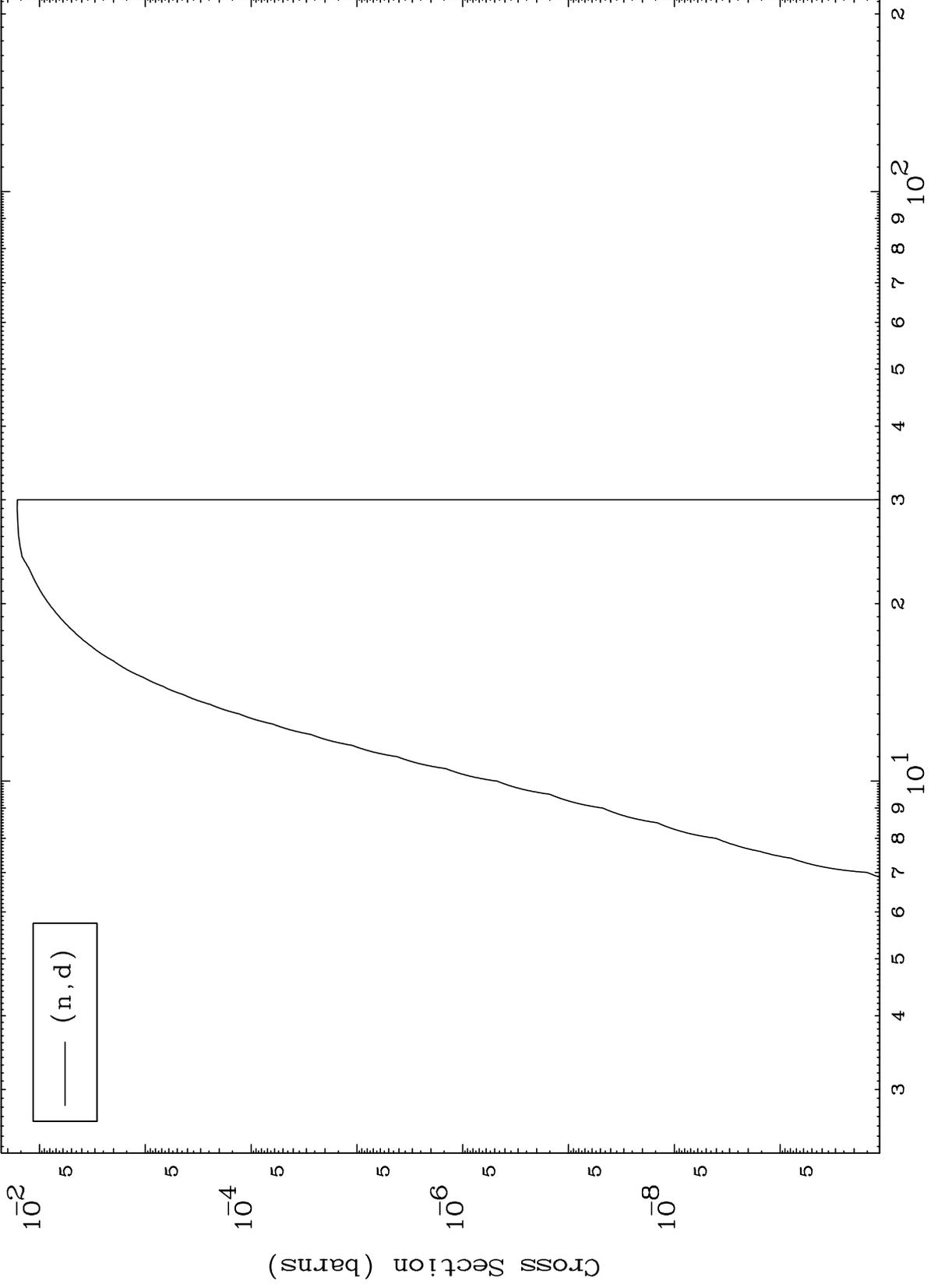
Incident Energy (MeV)

84-Po-208

MAT 8431

(n,d) Levels
293 Kelvin Cross Sections

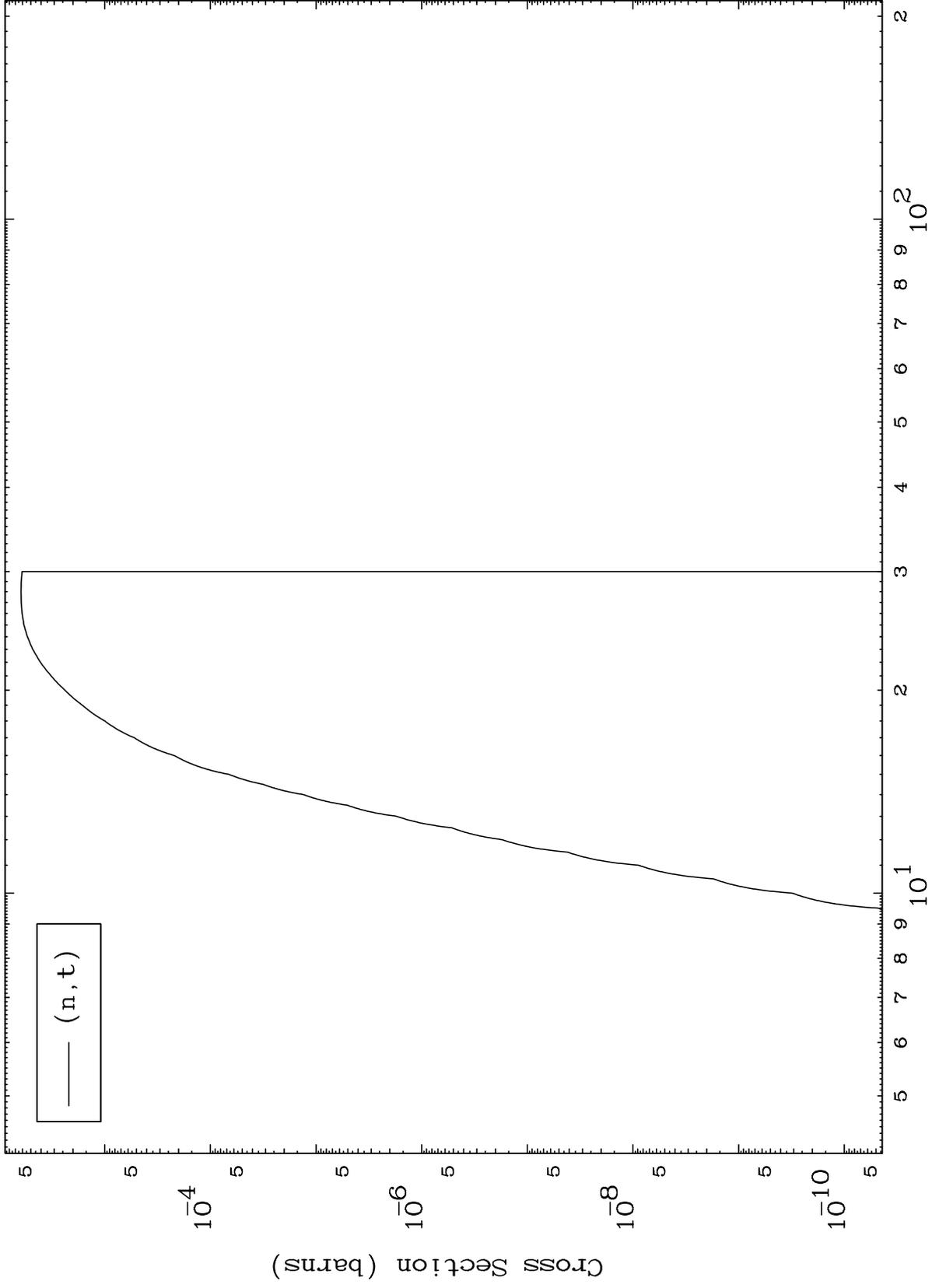
84-Po-208



MAT 8431

(n,t) Levels
293 Kelvin Cross Sections

84-Po-208



12

Incident Energy (MeV)

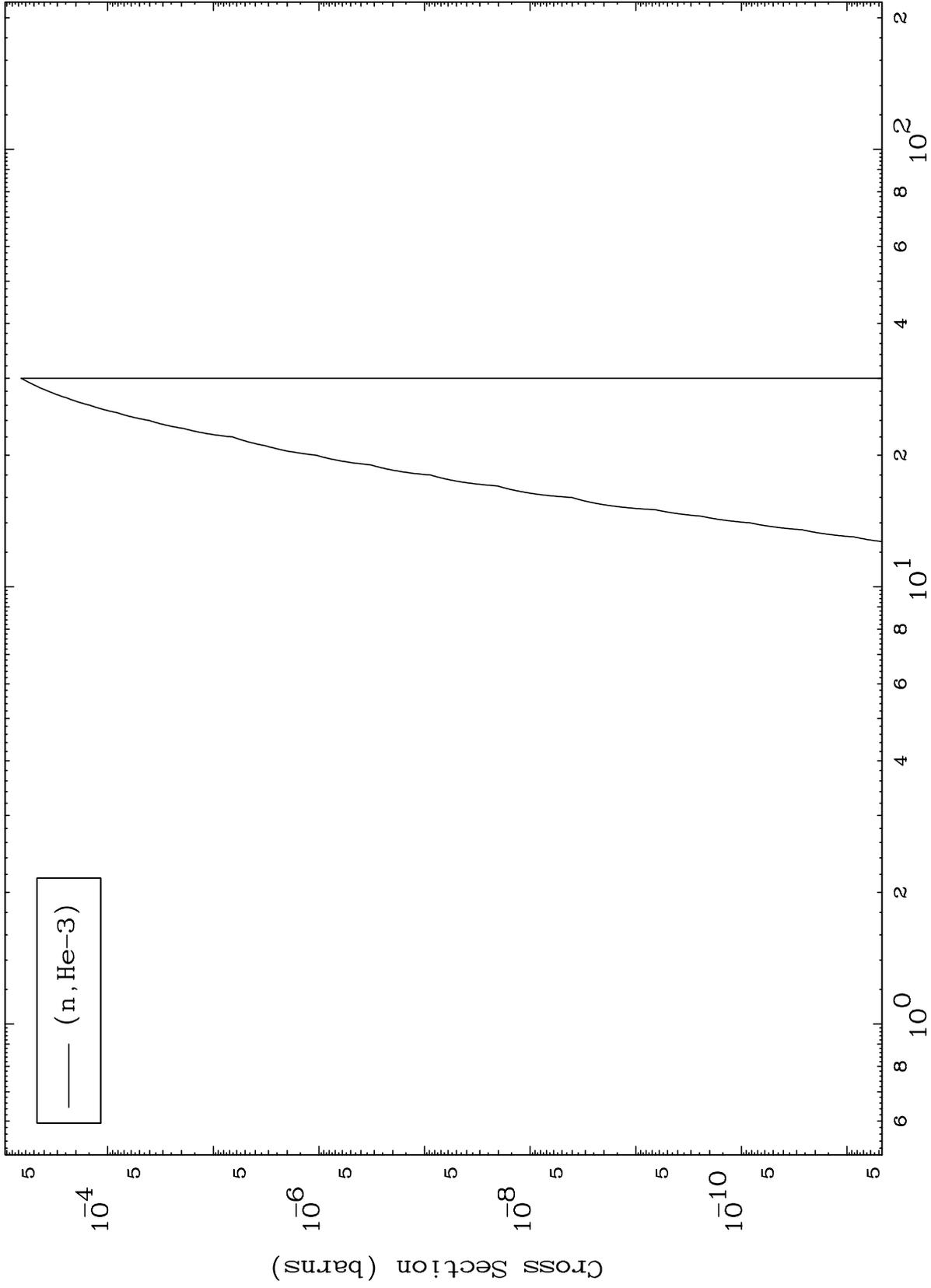
84-Po-208

MAT 8431

(n,He3) Levels

84-Po-208

293 Kelvin Cross Sections



13

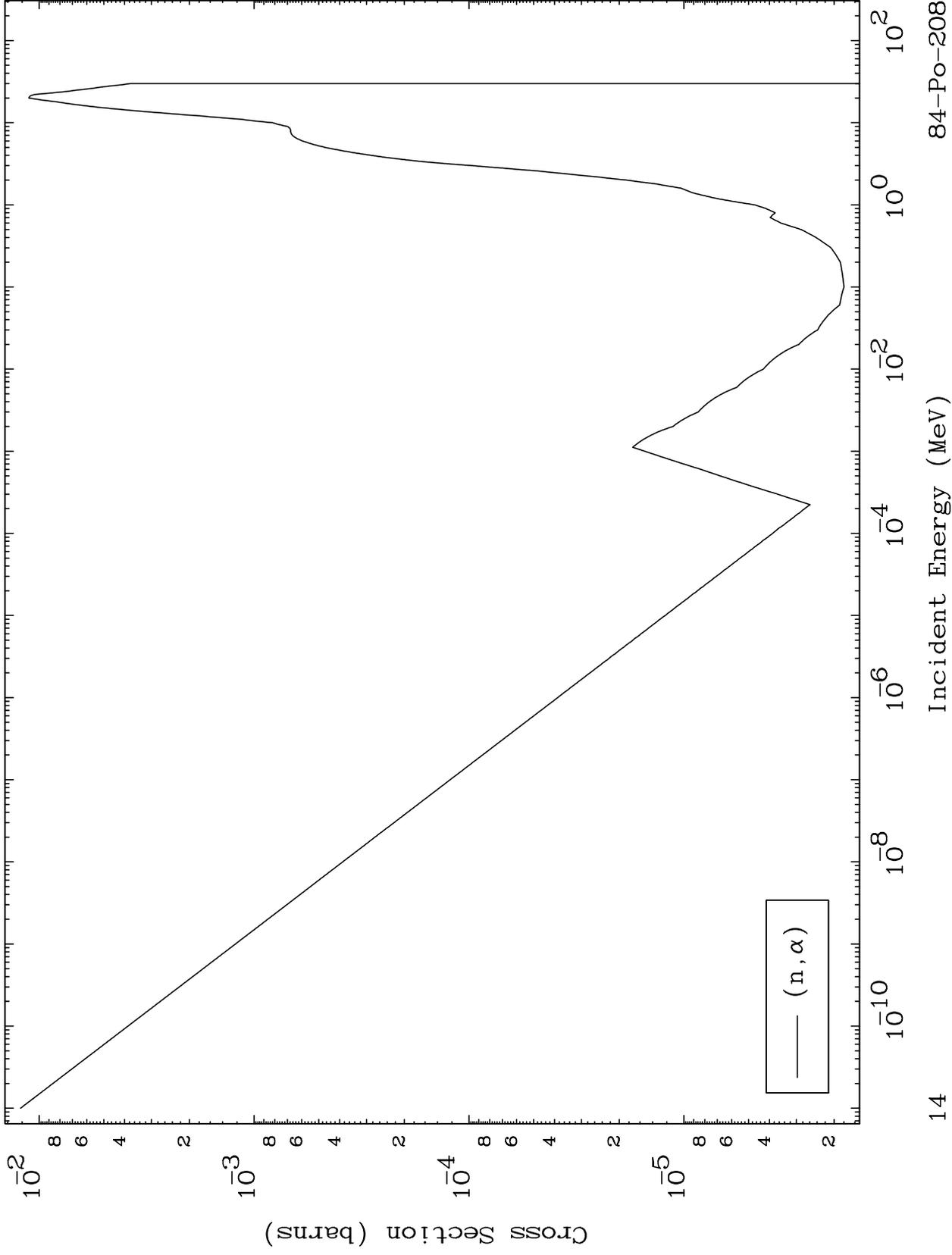
Incident Energy (MeV)

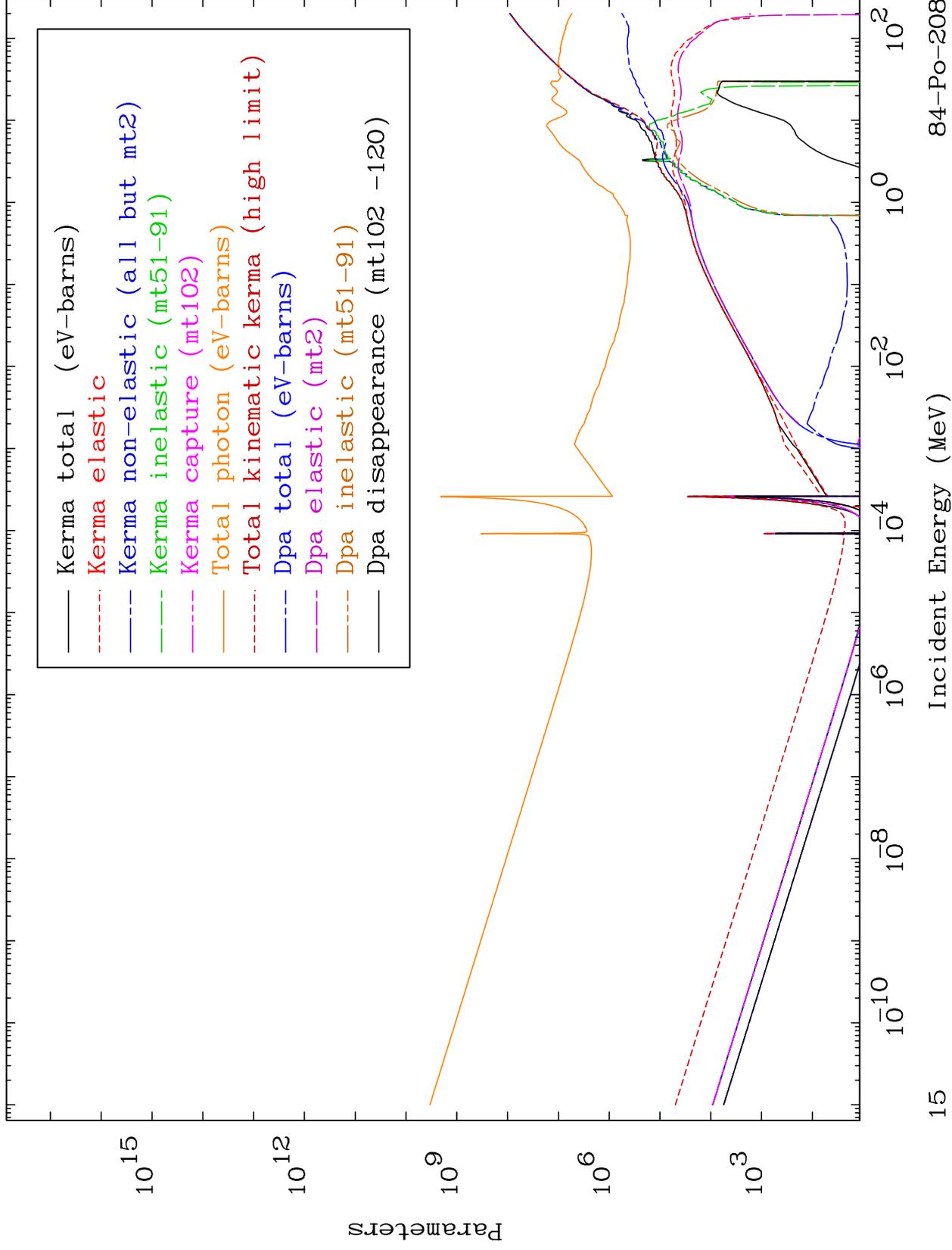
84-Po-208

MAT 8431

(n,α) Levels
293 Kelvin Cross Sections

84-Po-208

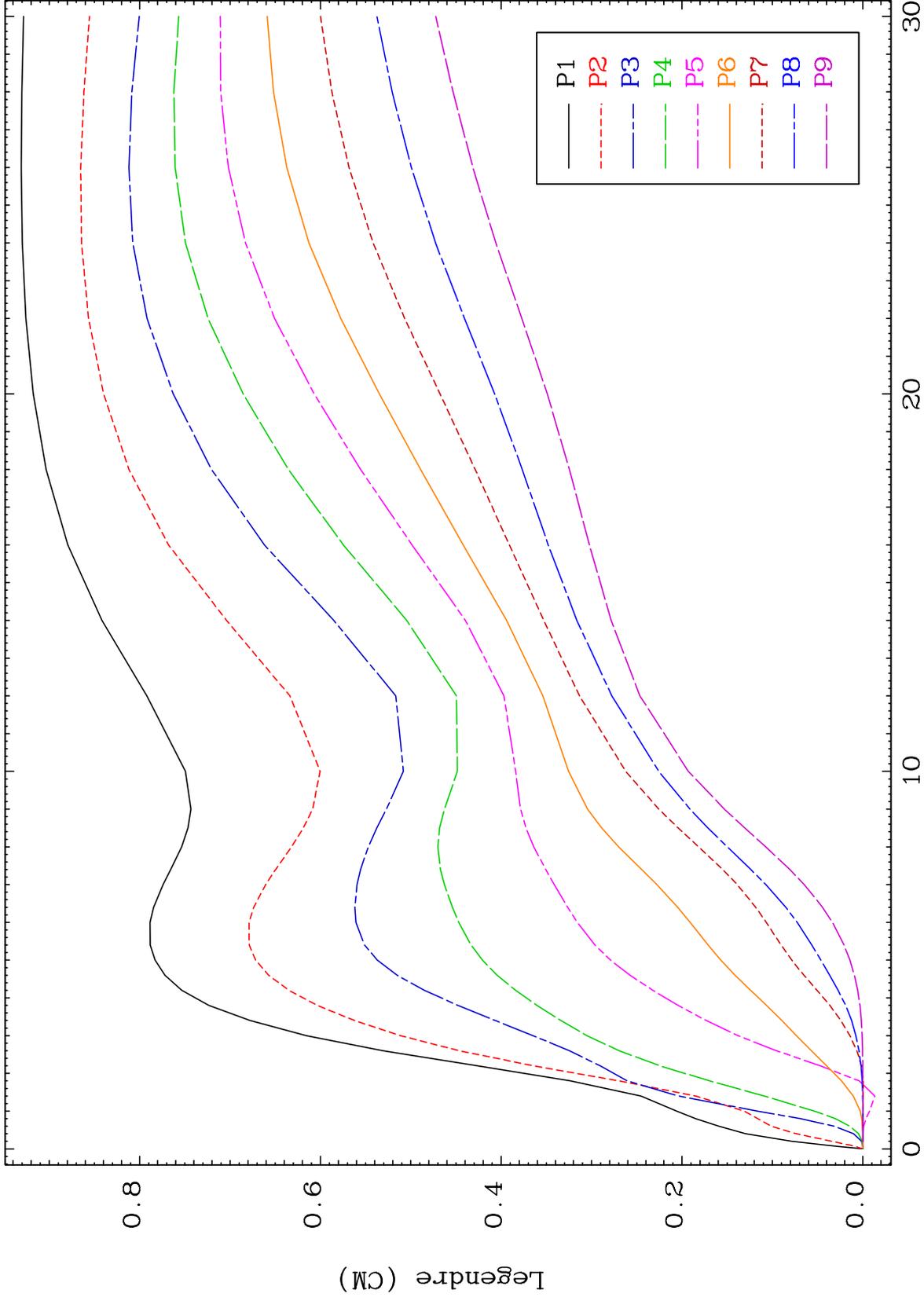




MAT 8431

84-Po-208

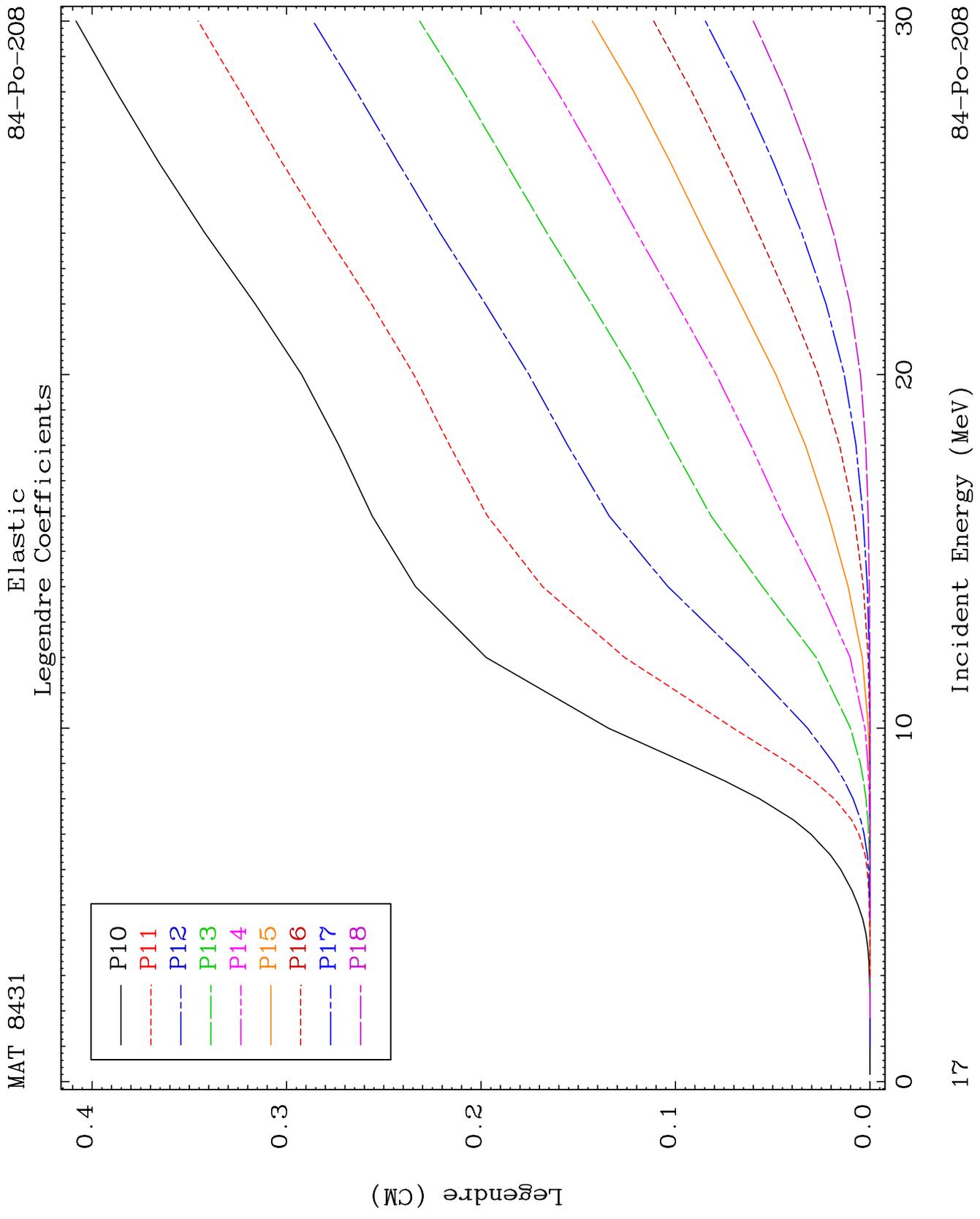
Elastic Legendre Coefficients



84-Po-208

Incident Energy (MeV)

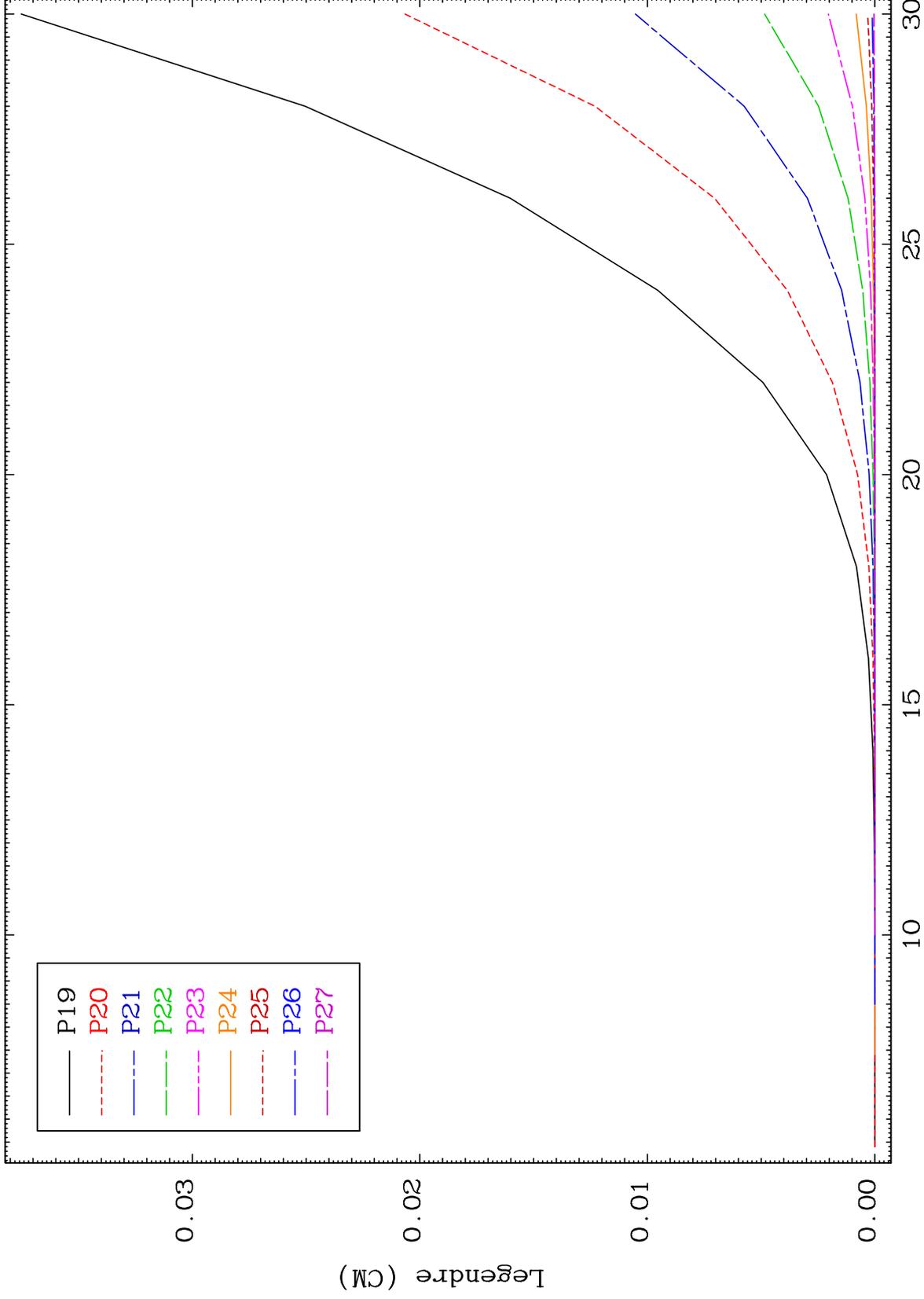
16



MAT 8431

Elastic
Legendre Coefficients

84-Po-208



18

Incident Energy (MeV)

84-Po-208

30

25

20

15

10

Legendre (CM)

0.03

0.02

0.01

0.00

P19

P20

P21

P22

P23

P24

P25

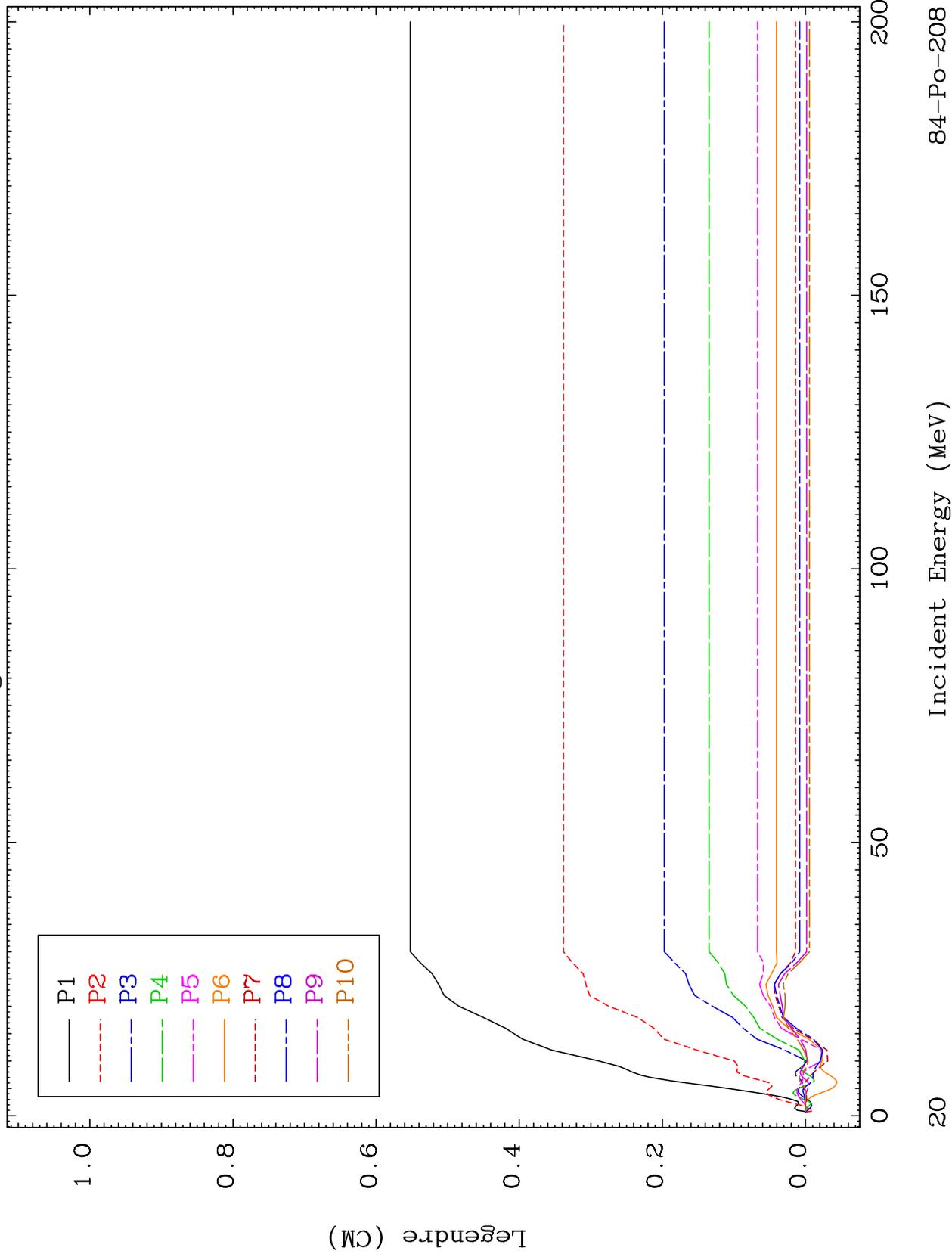
P26

P27

MAT 8431

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

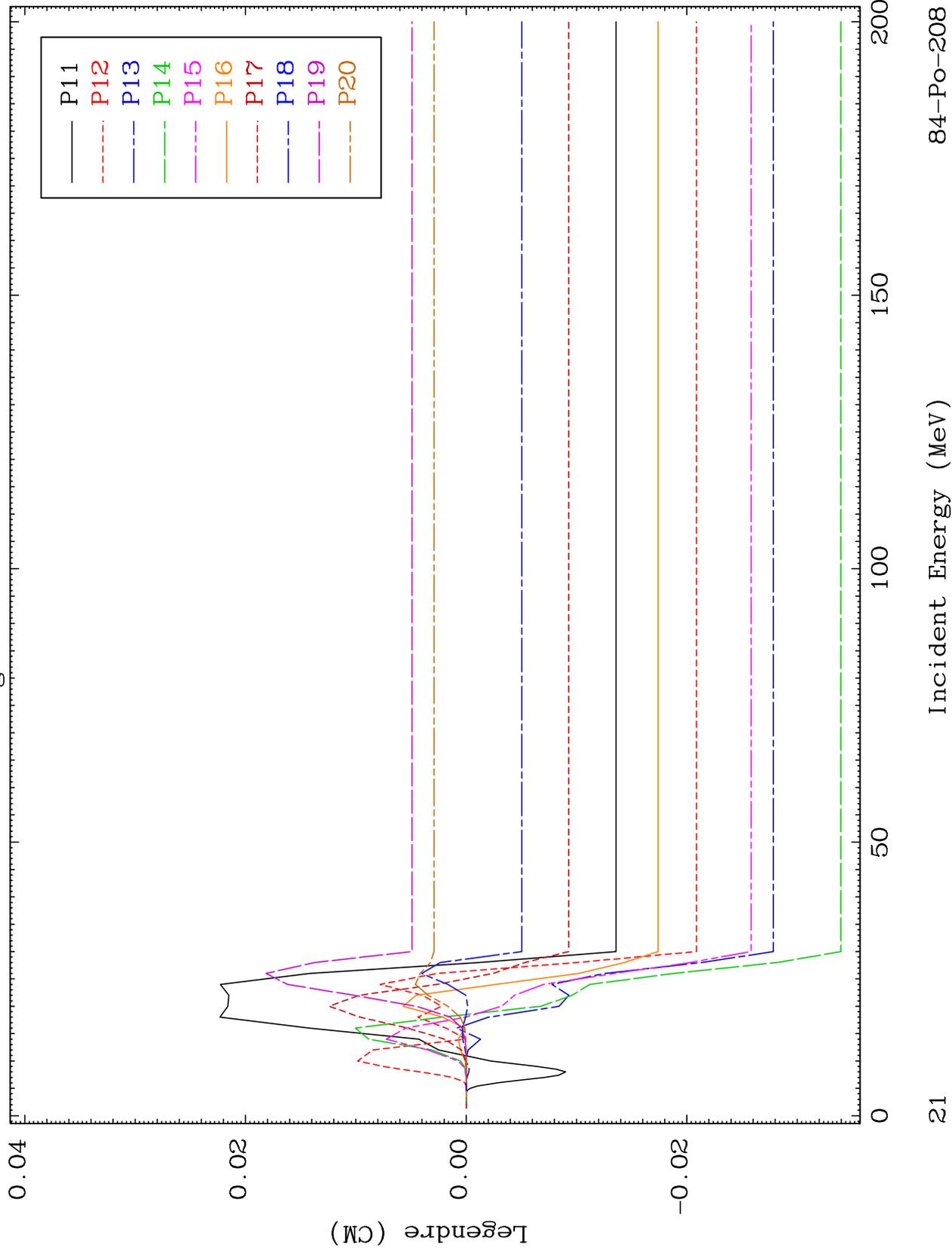
84-Po-208



MAT 8431

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

84-Po-208



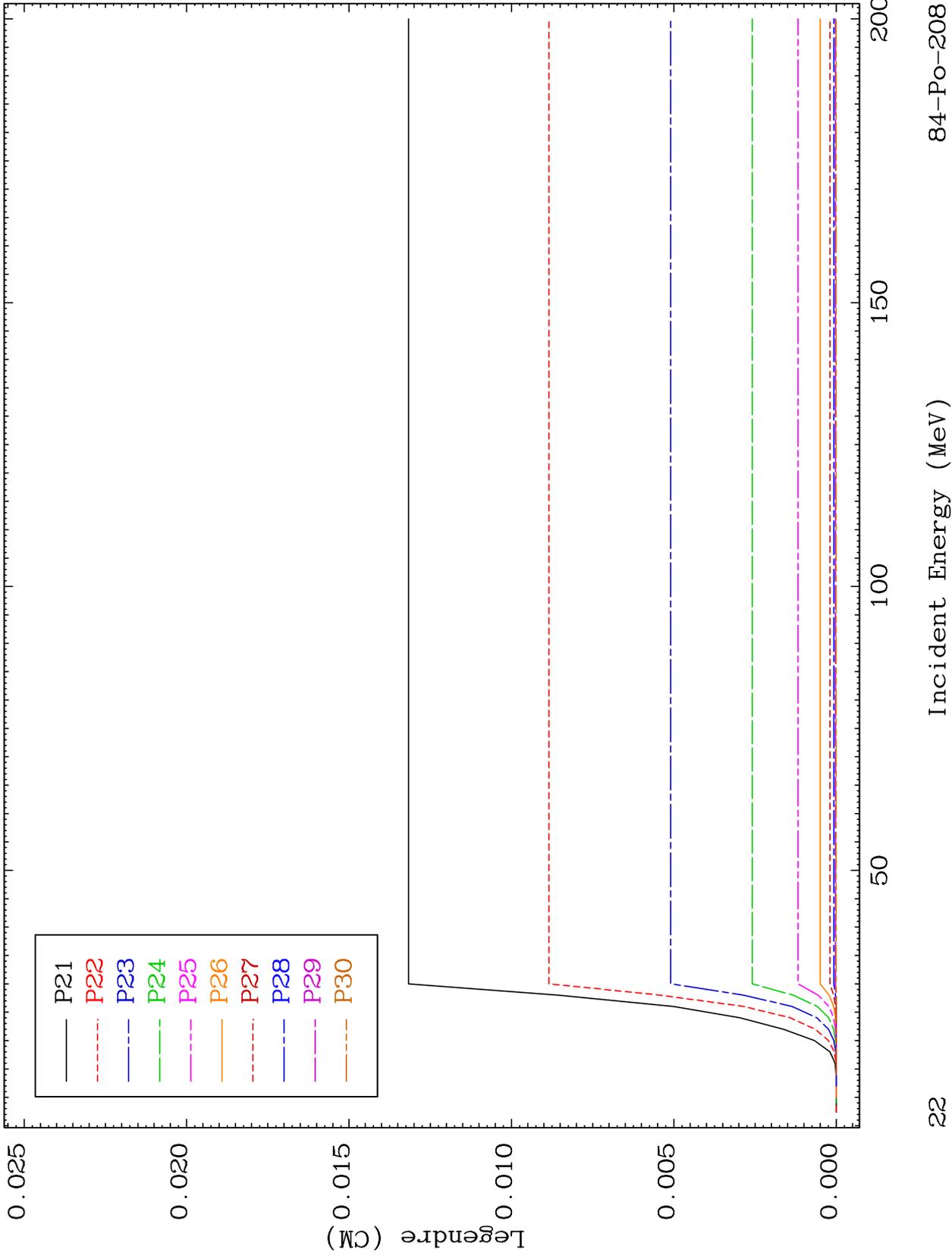
21

84-Po-208

MAT 8431

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

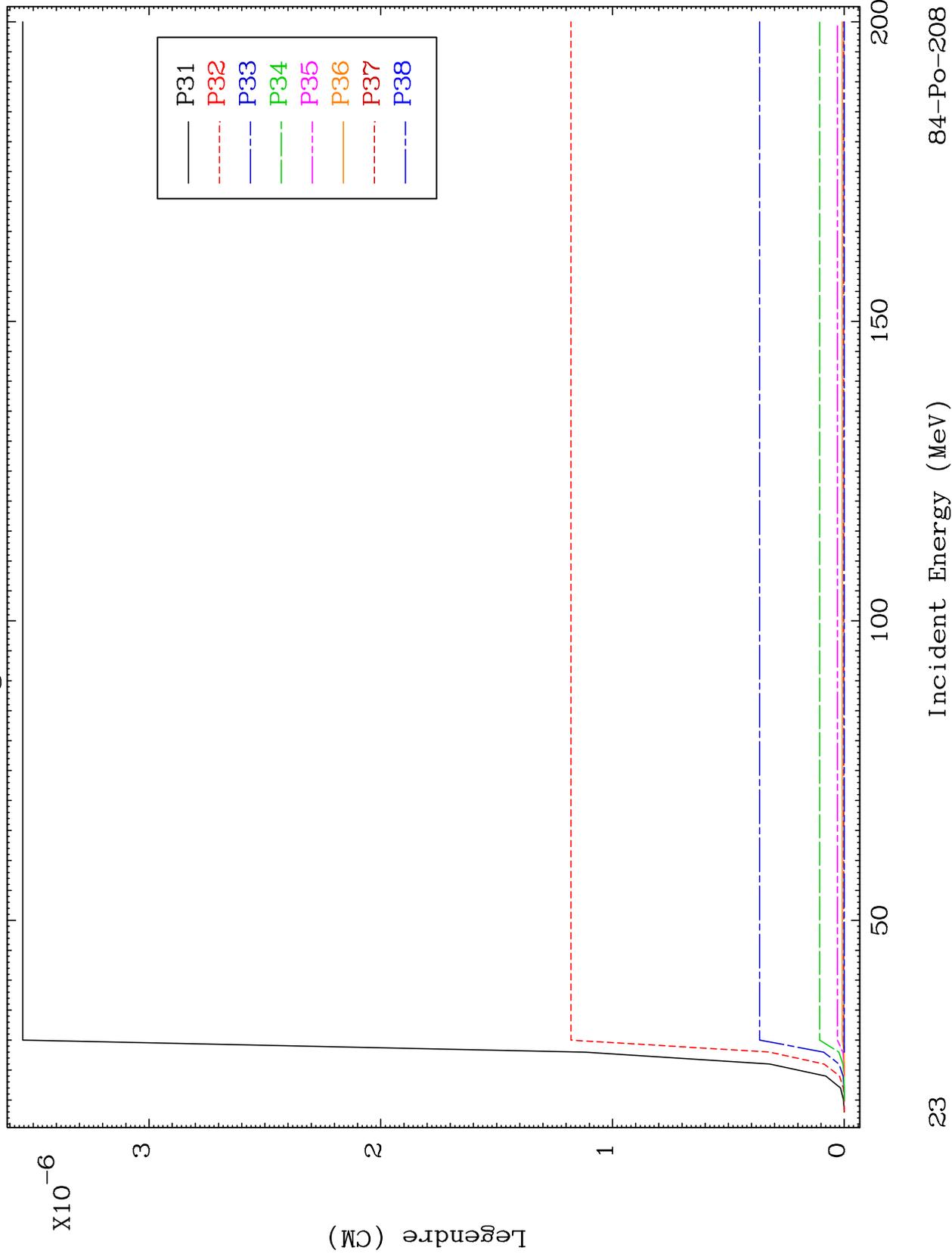
84-Po-208



MAT 8431

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

84-Po-208



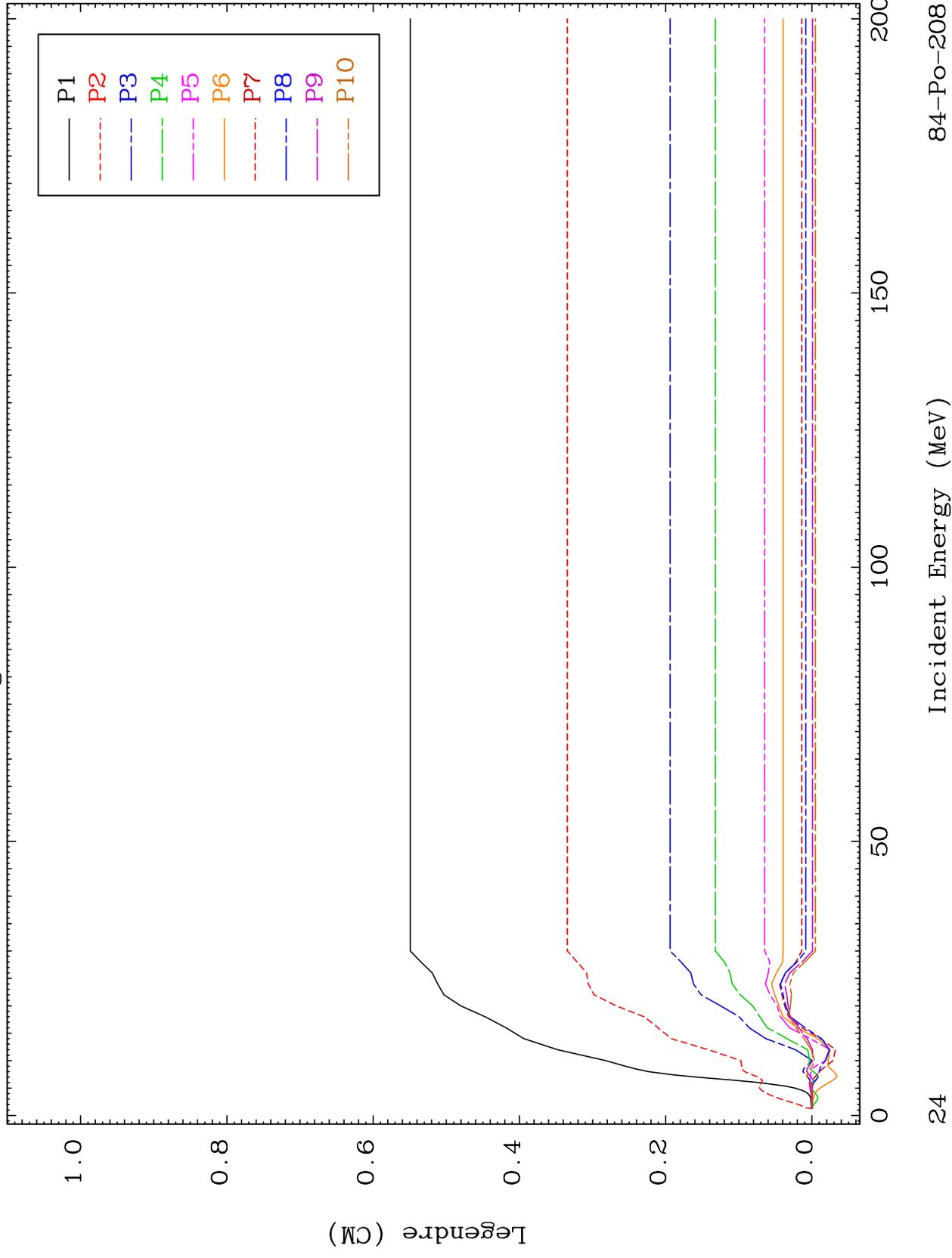
23

84-Po-208

MAT 8431

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

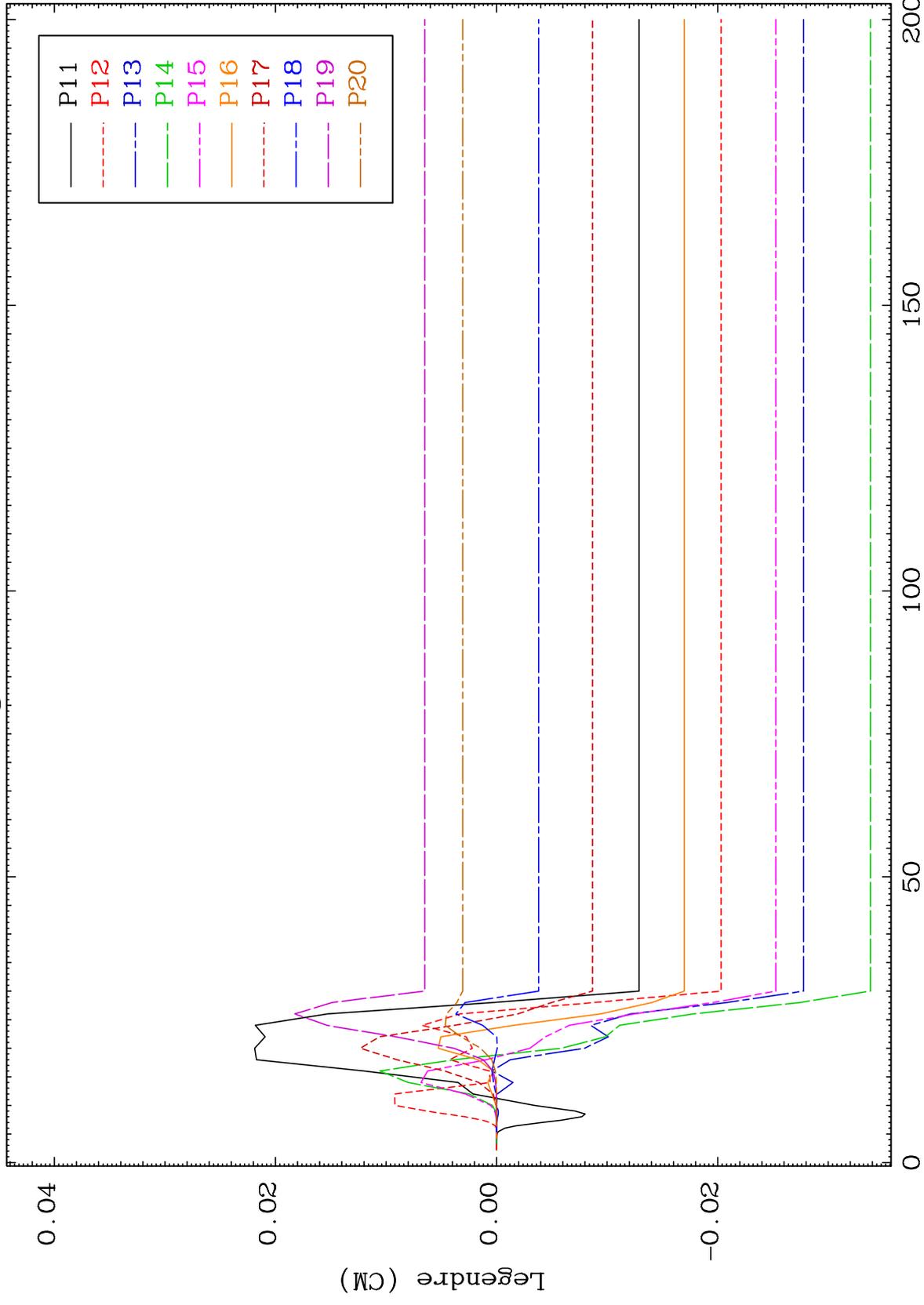
84-Po-208



MAT 8431

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

84-Po-208



25

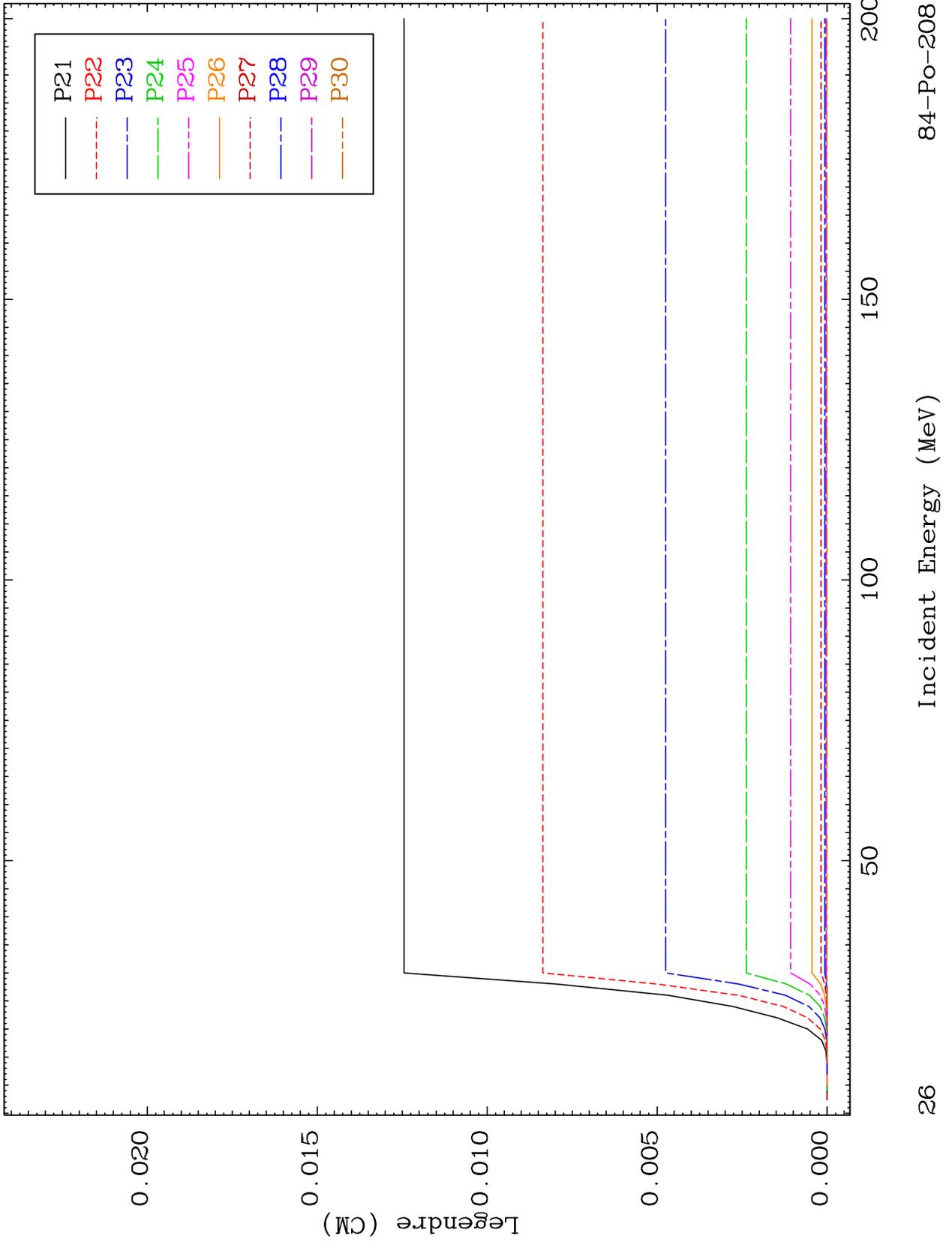
Incident Energy (MeV)

84-Po-208

MAT 8431

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

84-Po-208



26

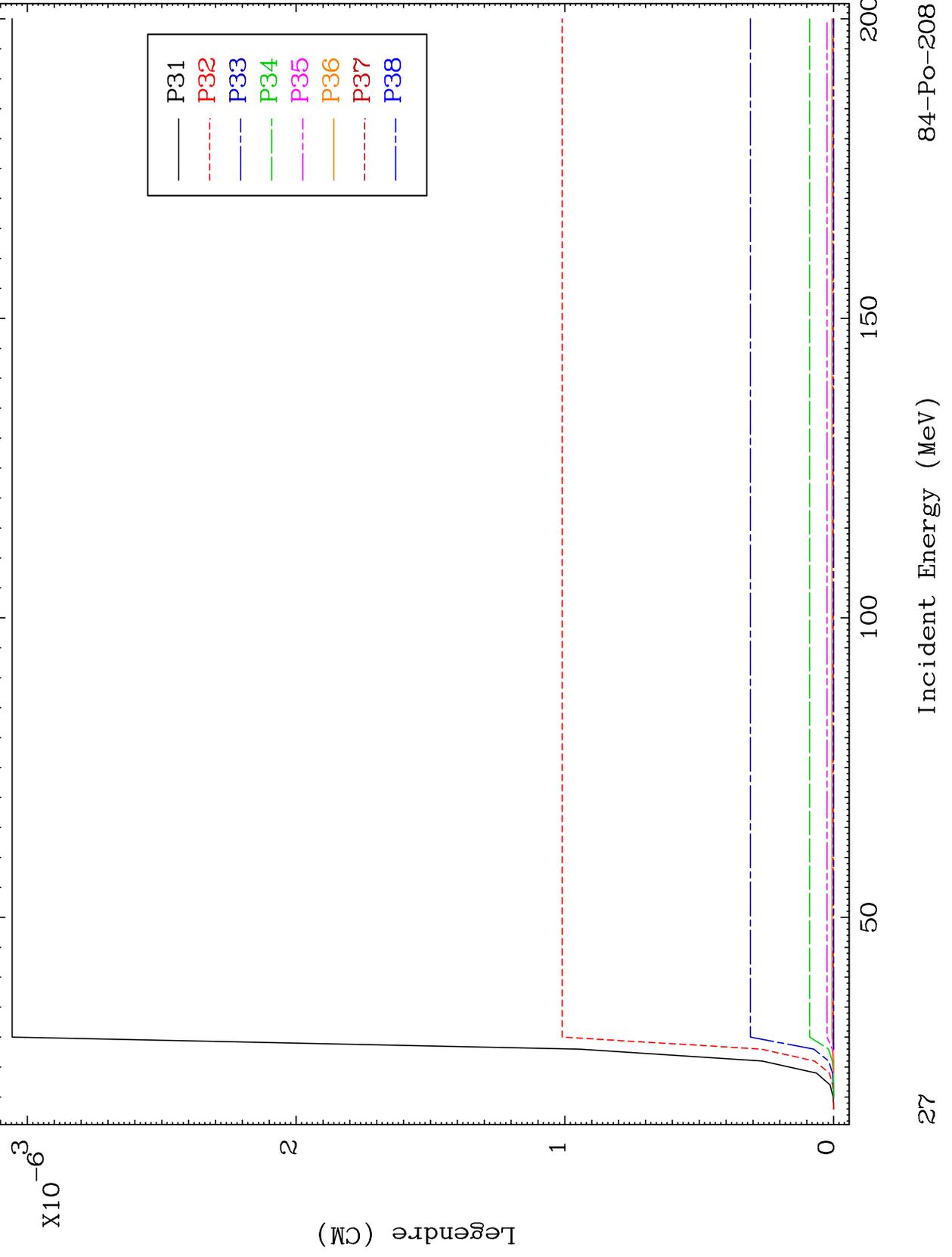
Incident Energy (MeV)

84-Po-208

MAT 8431

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

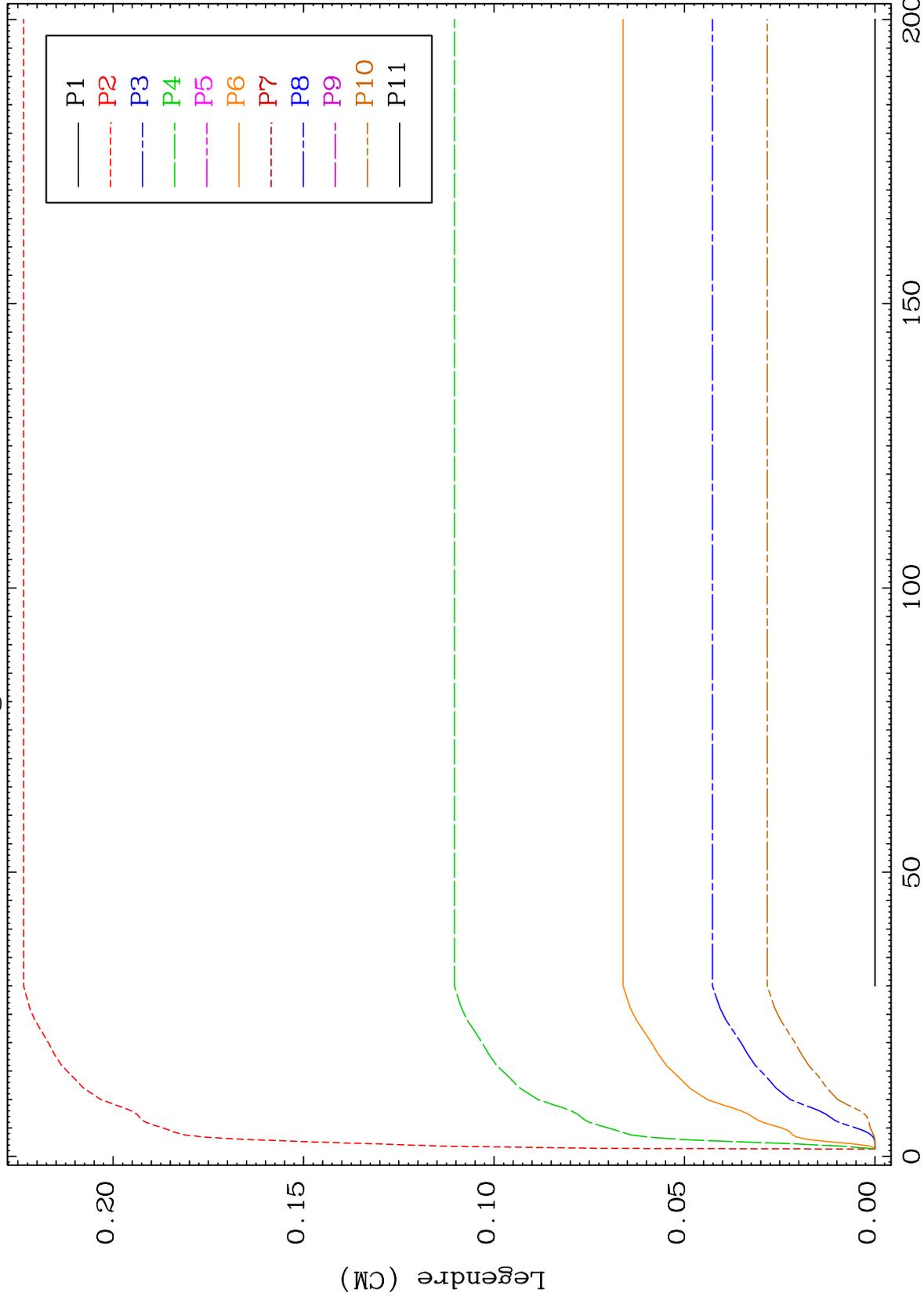
84-Po-208



MAT 8431

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

84-Po-208



84-Po-208

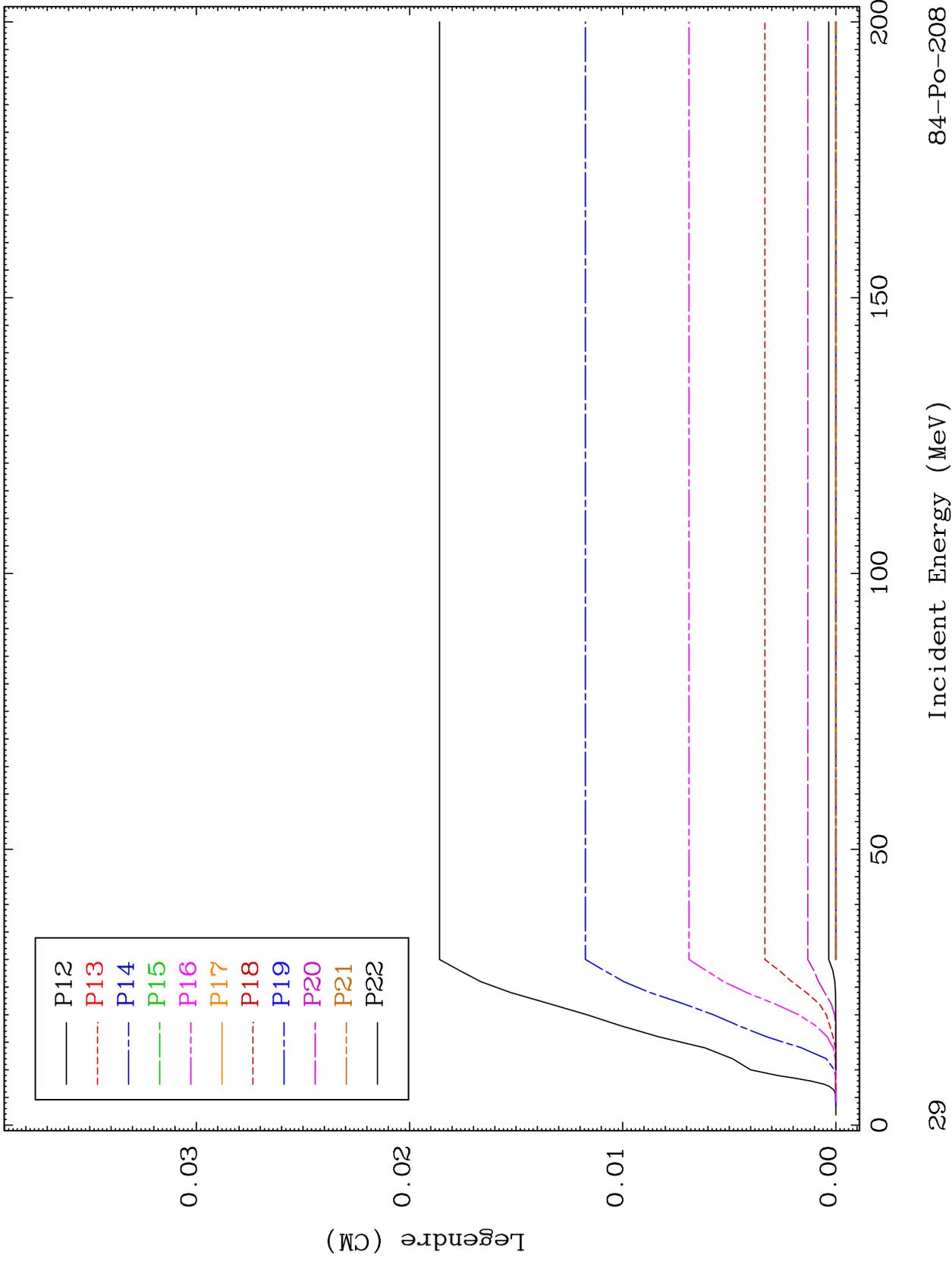
Incident Energy (MeV)

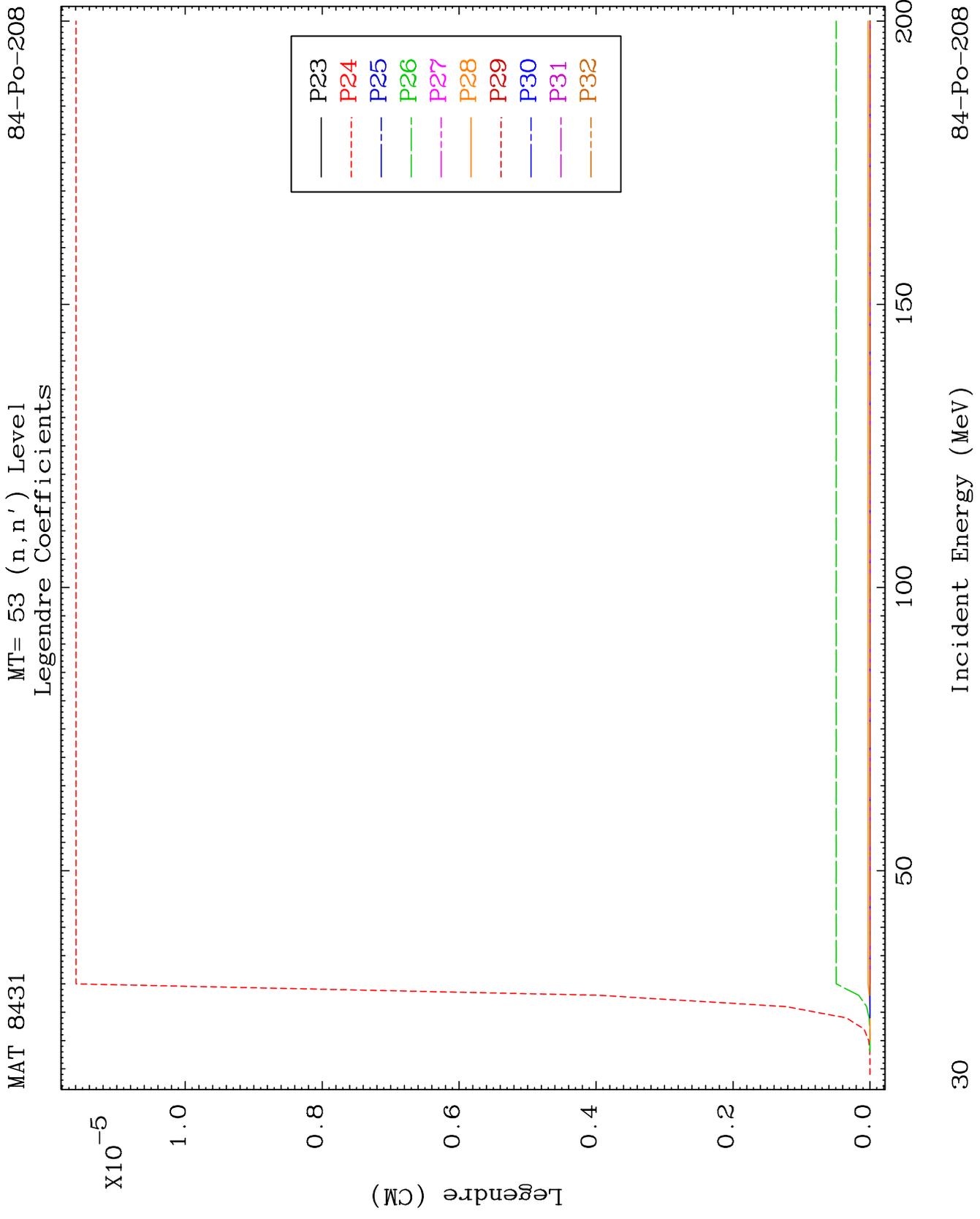
28

MAT 8431

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

84-Po-208

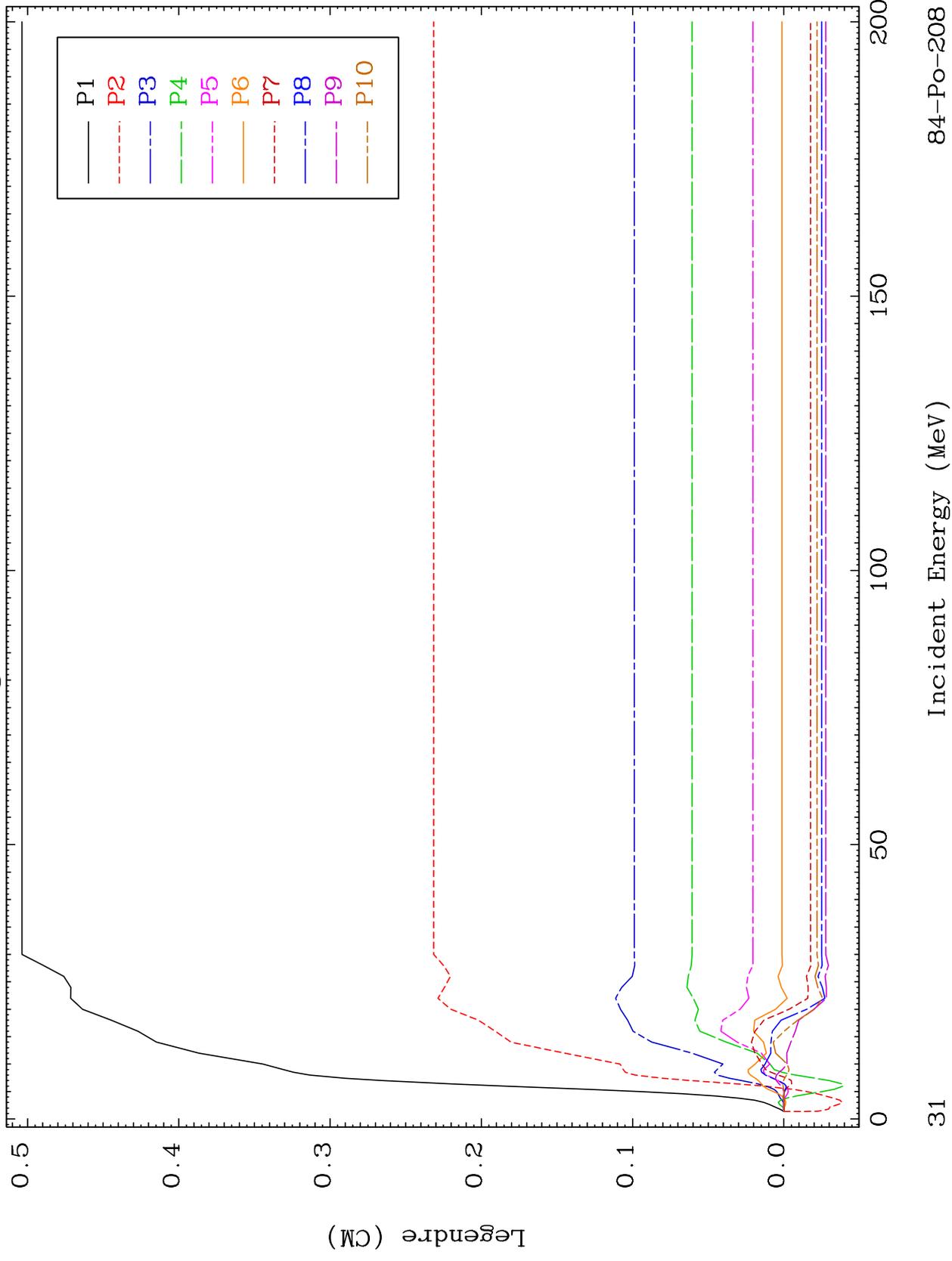




MAT 8431

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

84-Po-208



31

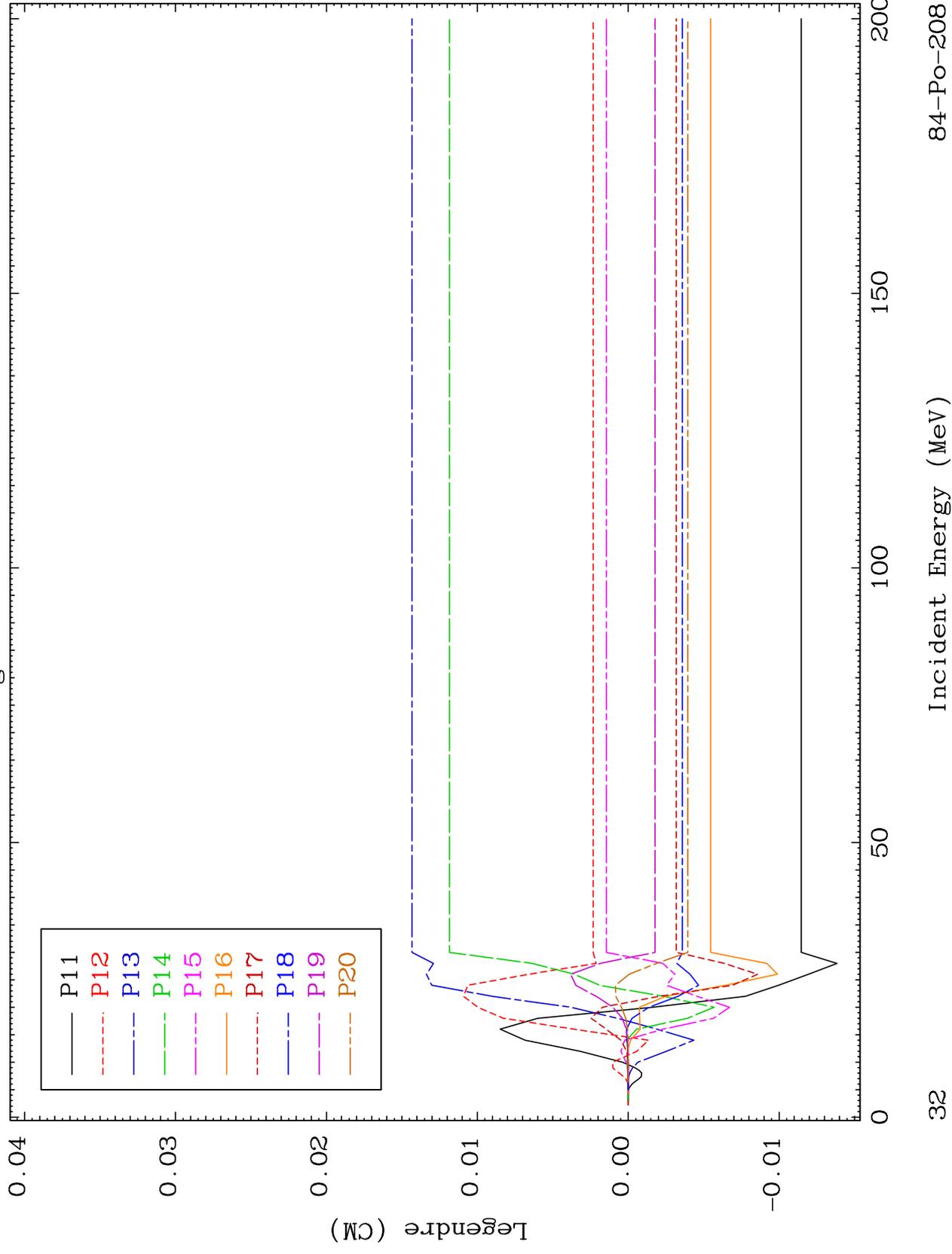
Incident Energy (MeV)

84-Po-208

MAT 8431

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

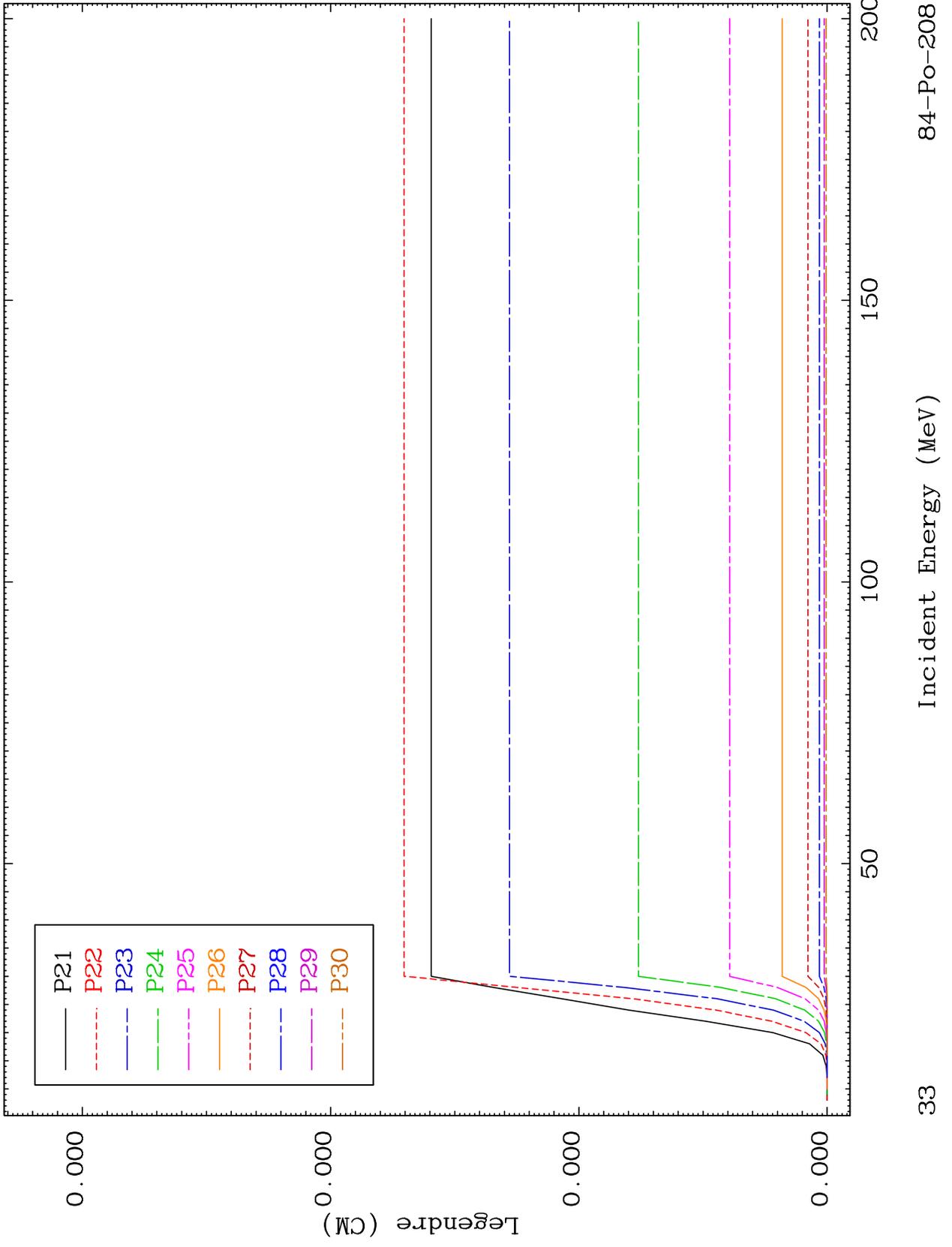
84-Po-208



32

Incident Energy (MeV)

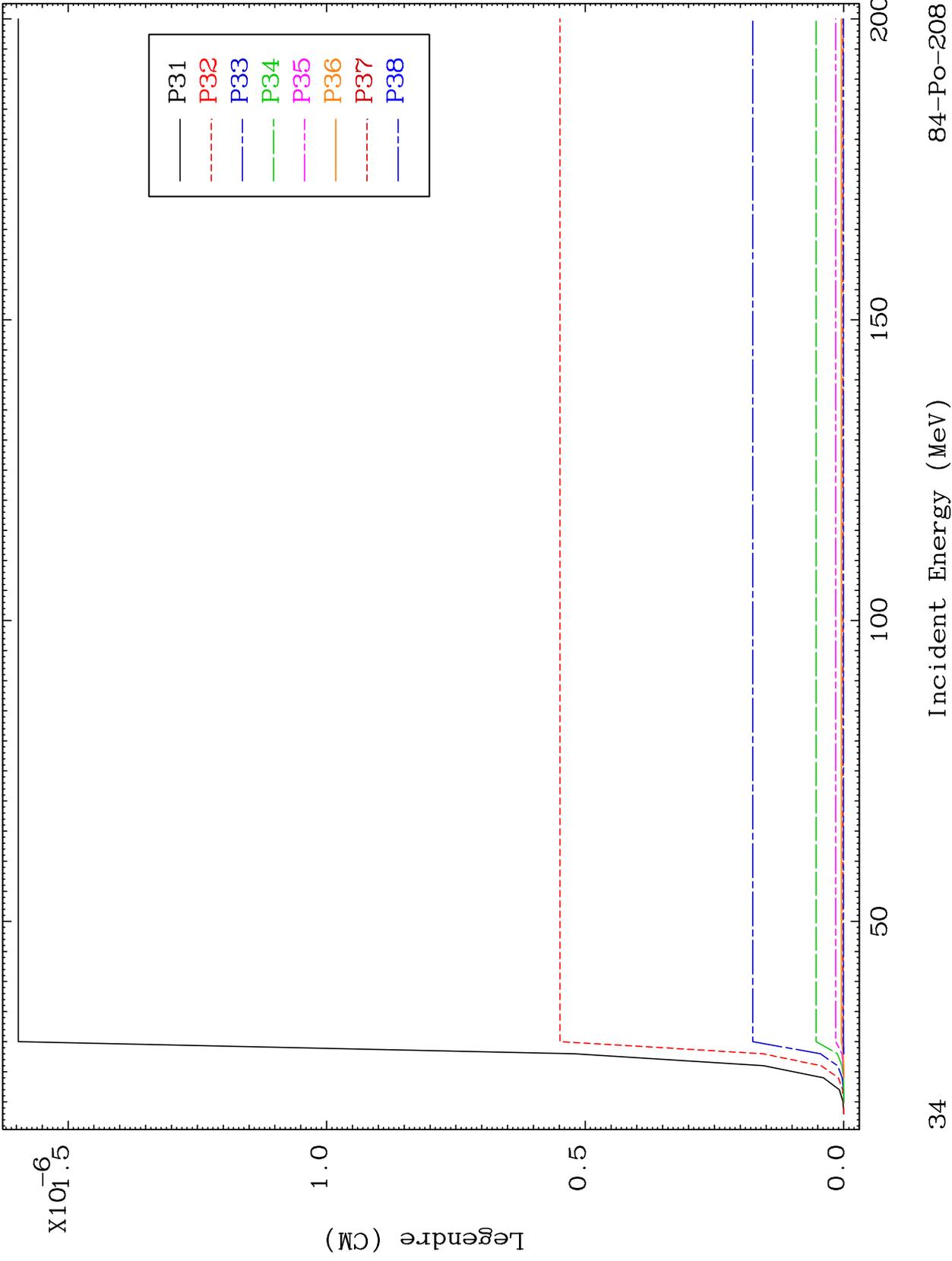
84-Po-208



MAT 8431

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

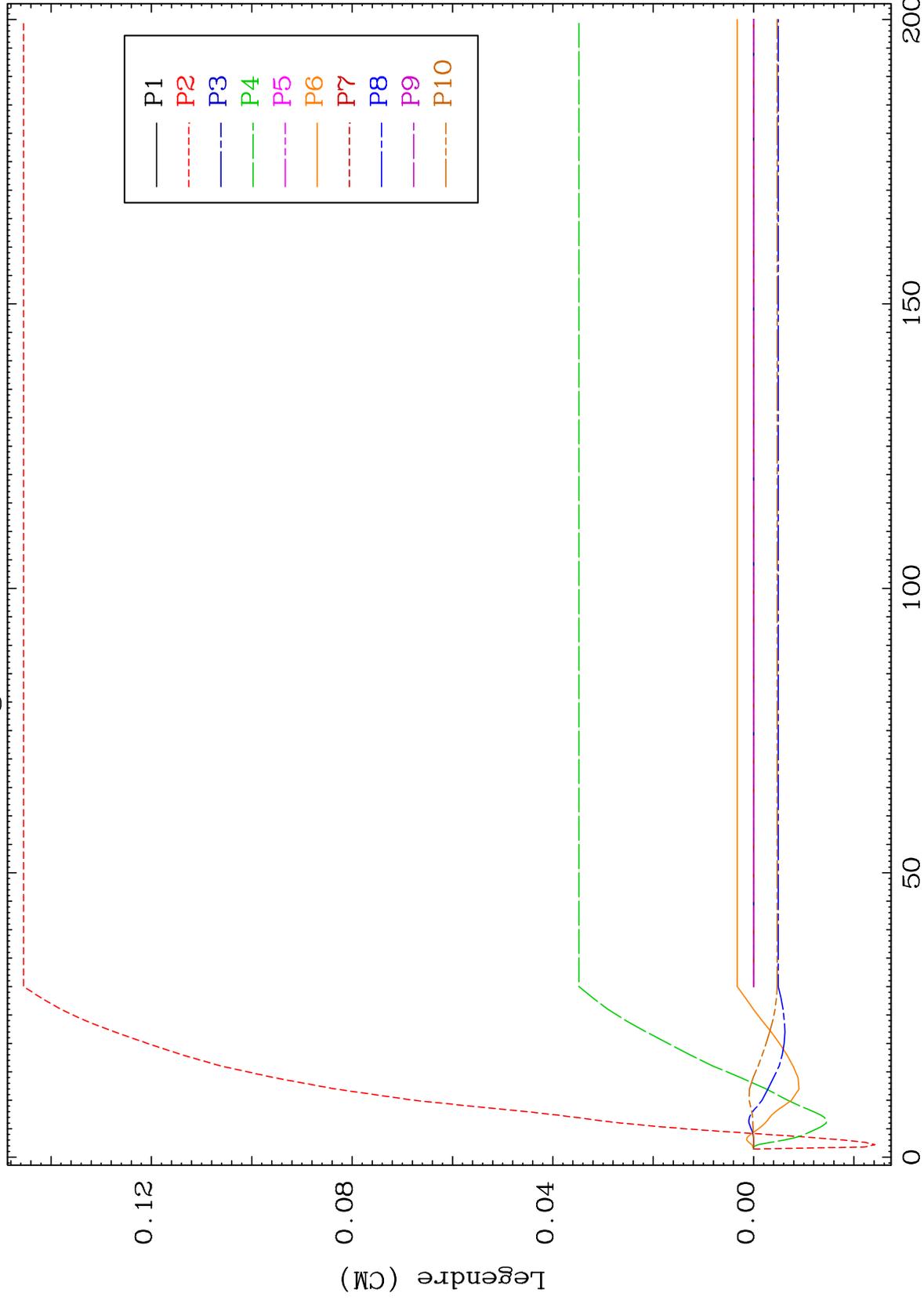
84-Po-208



MAT 8431

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

84-Po-208



84-Po-208

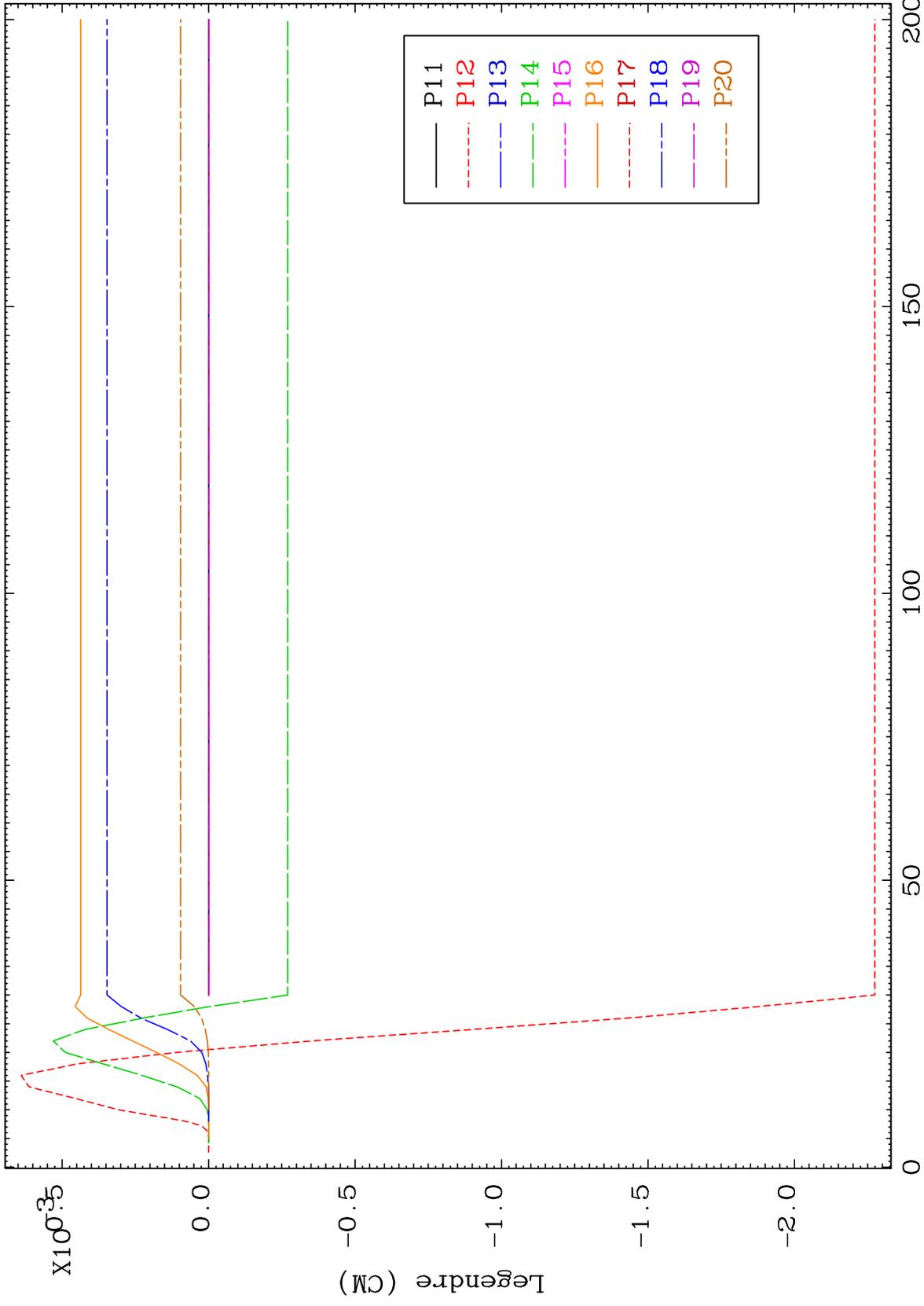
Incident Energy (MeV)

35

MAT 8431

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

84-Po-208



36

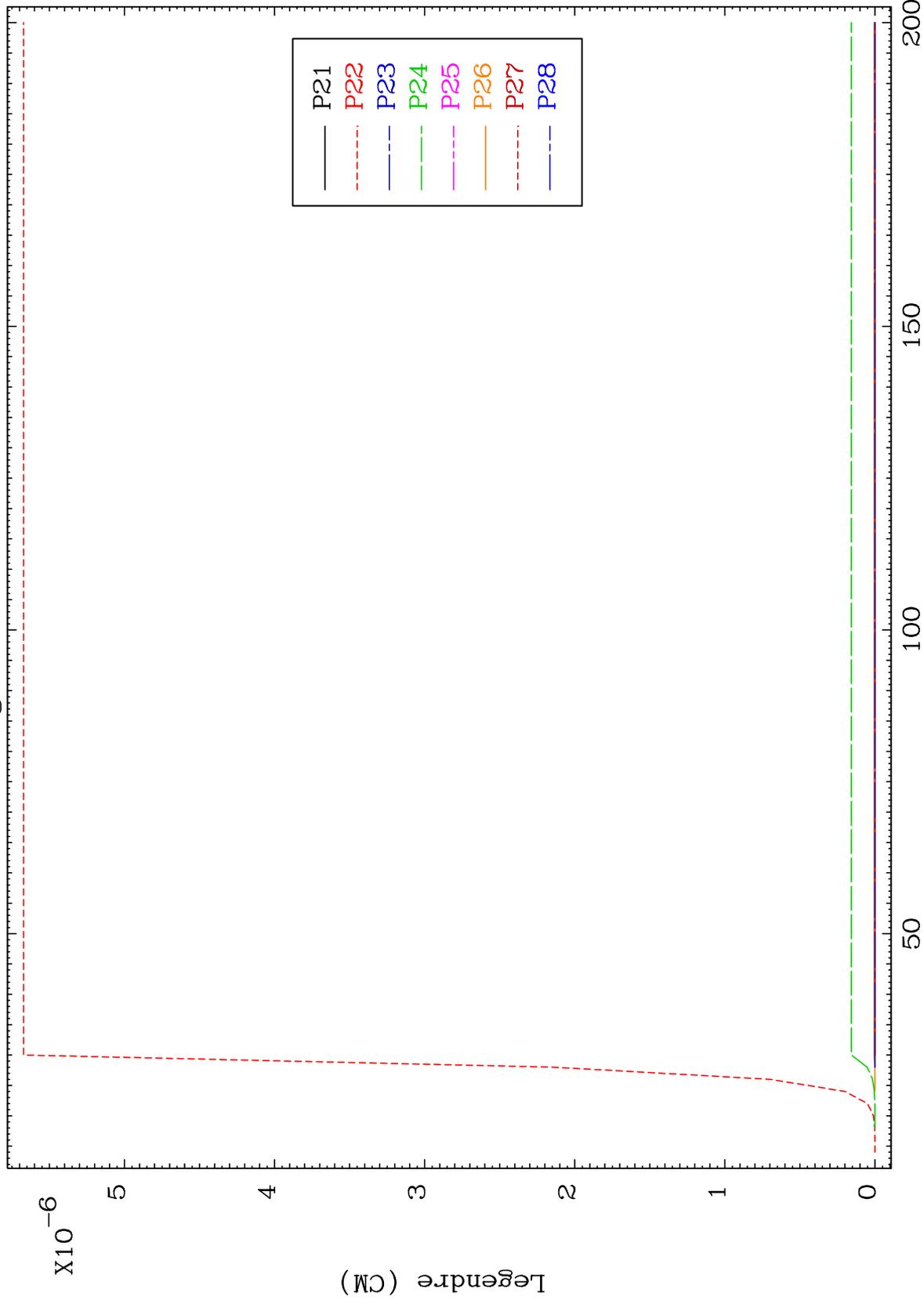
Incident Energy (MeV)

84-Po-208

MAT 8431

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

84-Po-208



37

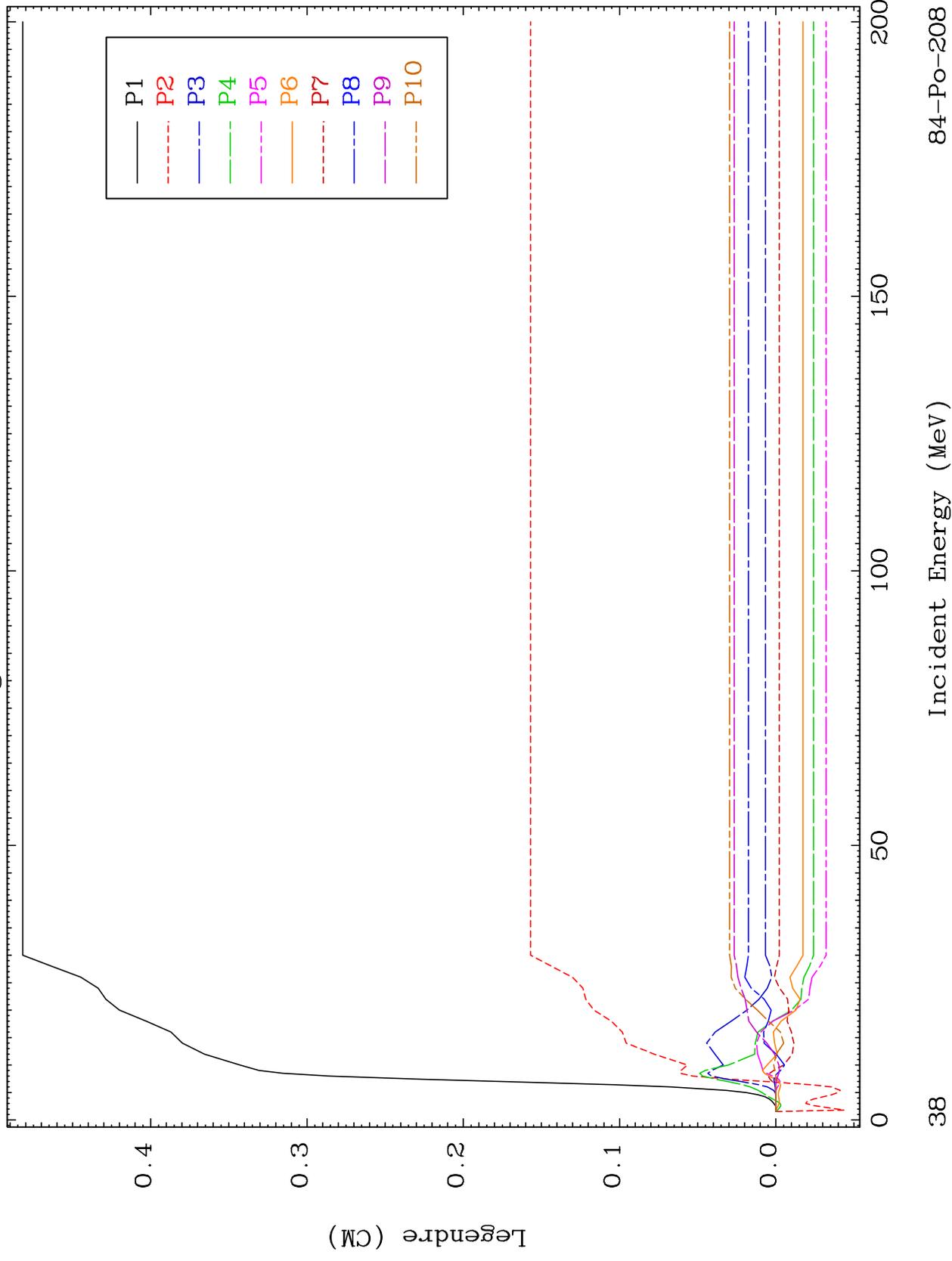
Incident Energy (MeV)

84-Po-208

MAT 8431

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

84-Po-208



84-Po-208

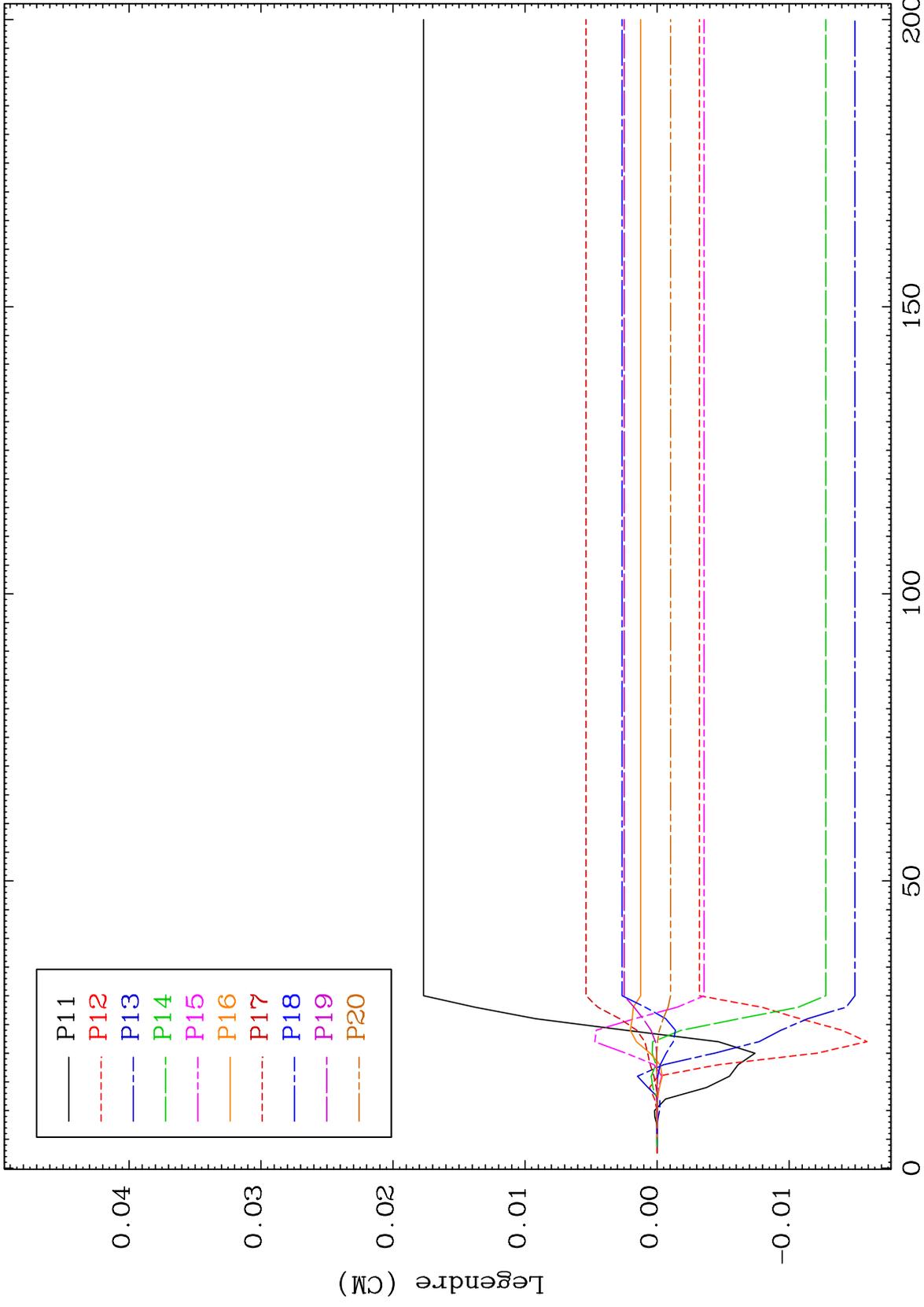
Incident Energy (MeV)

38

MAT 8431

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

84-Po-208



39

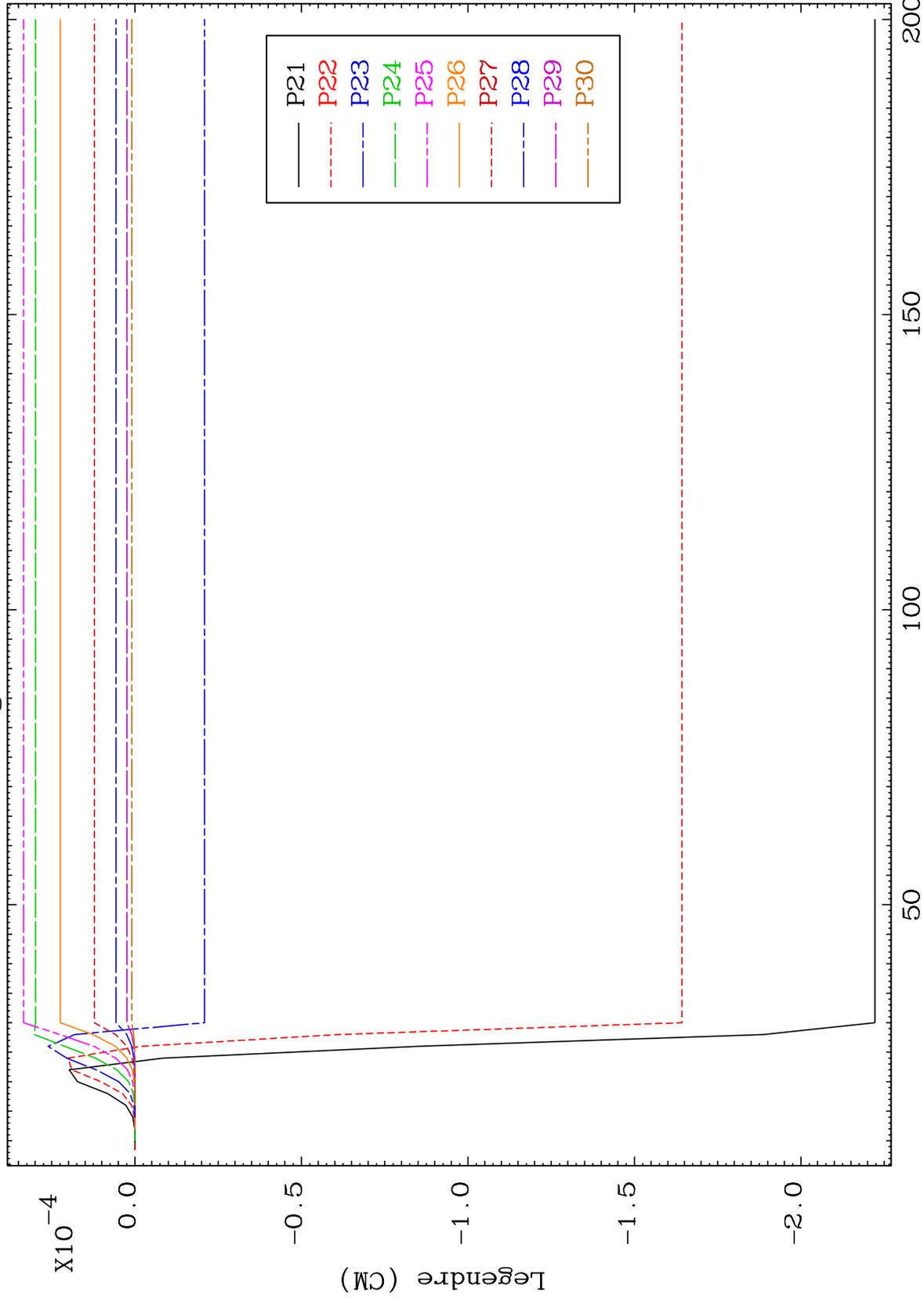
Incident Energy (MeV)

84-Po-208

MAT 8431

84-Po-208

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



40

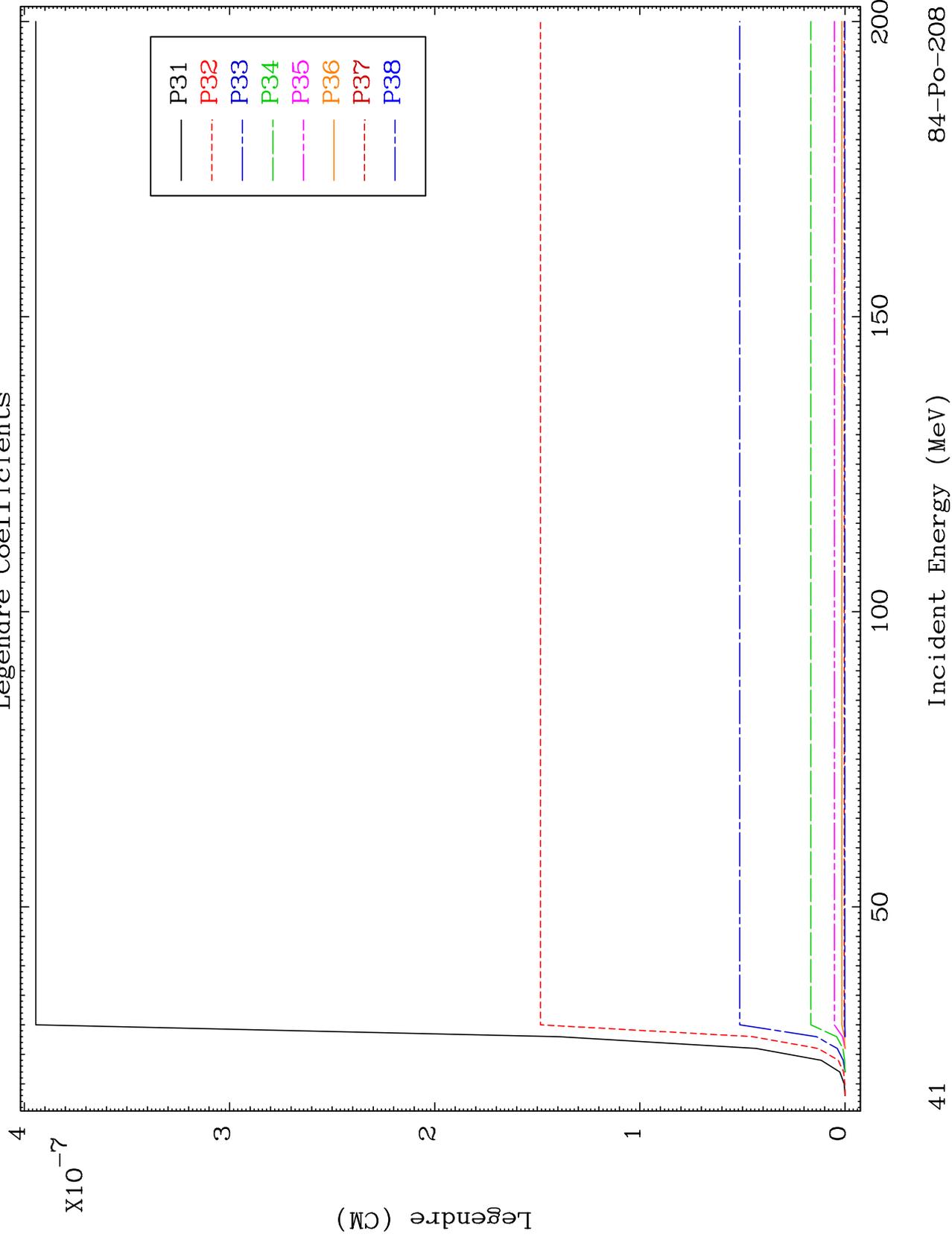
Incident Energy (MeV)

84-Po-208

MAT 8431

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

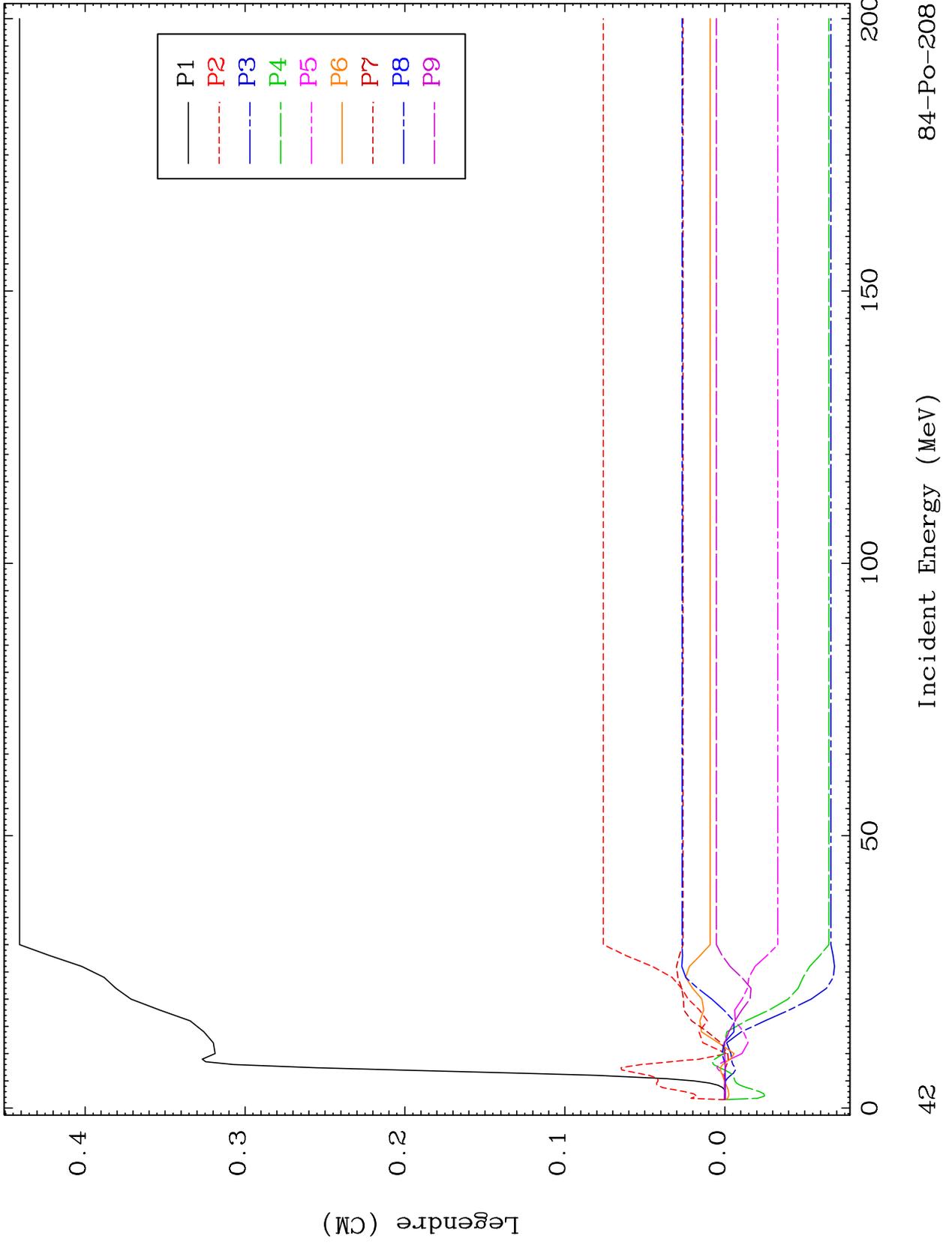
84-Po-208



MAT 8431

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

84-Po-208



42

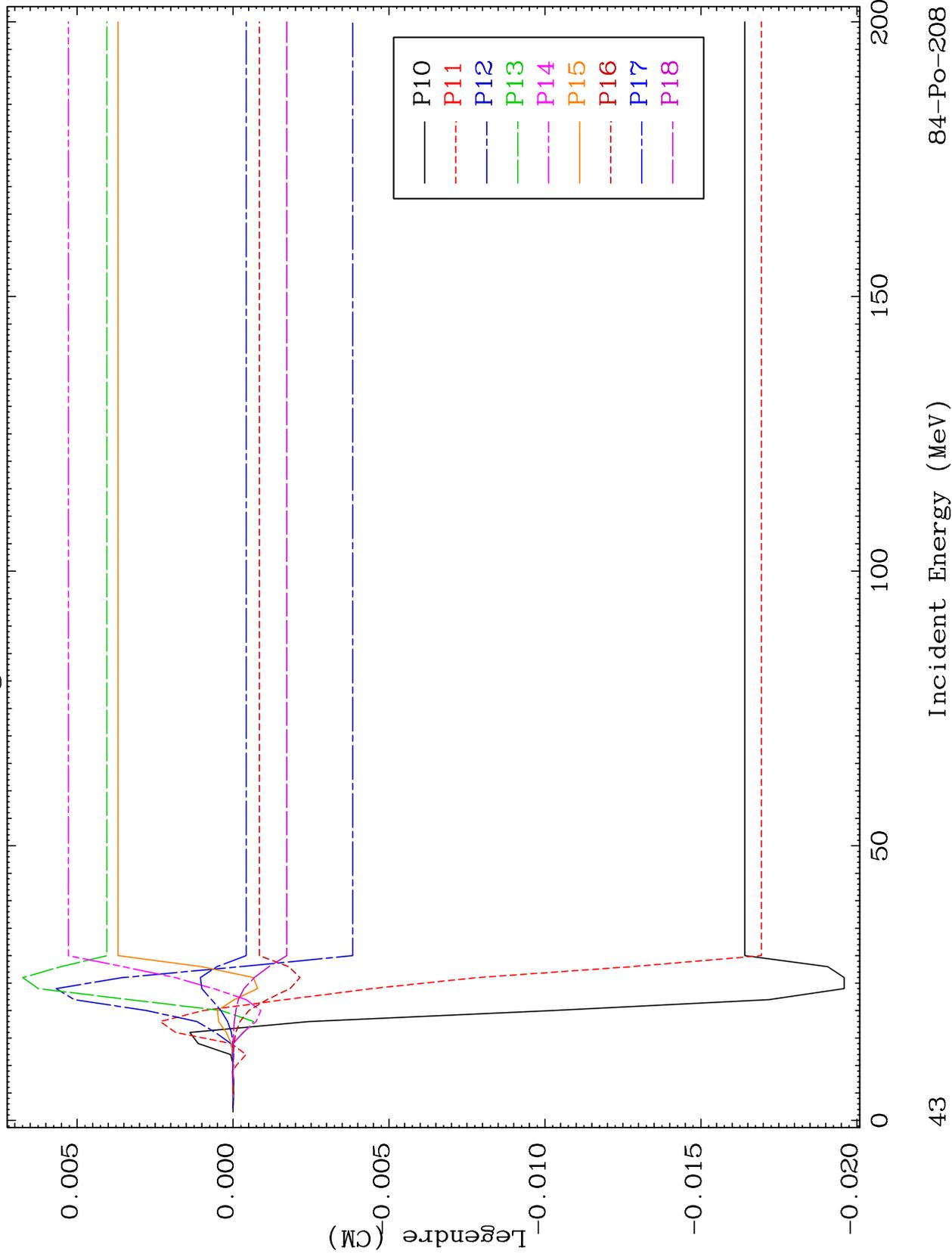
Incident Energy (MeV)

84-Po-208

MAT 8431

84-Po-208

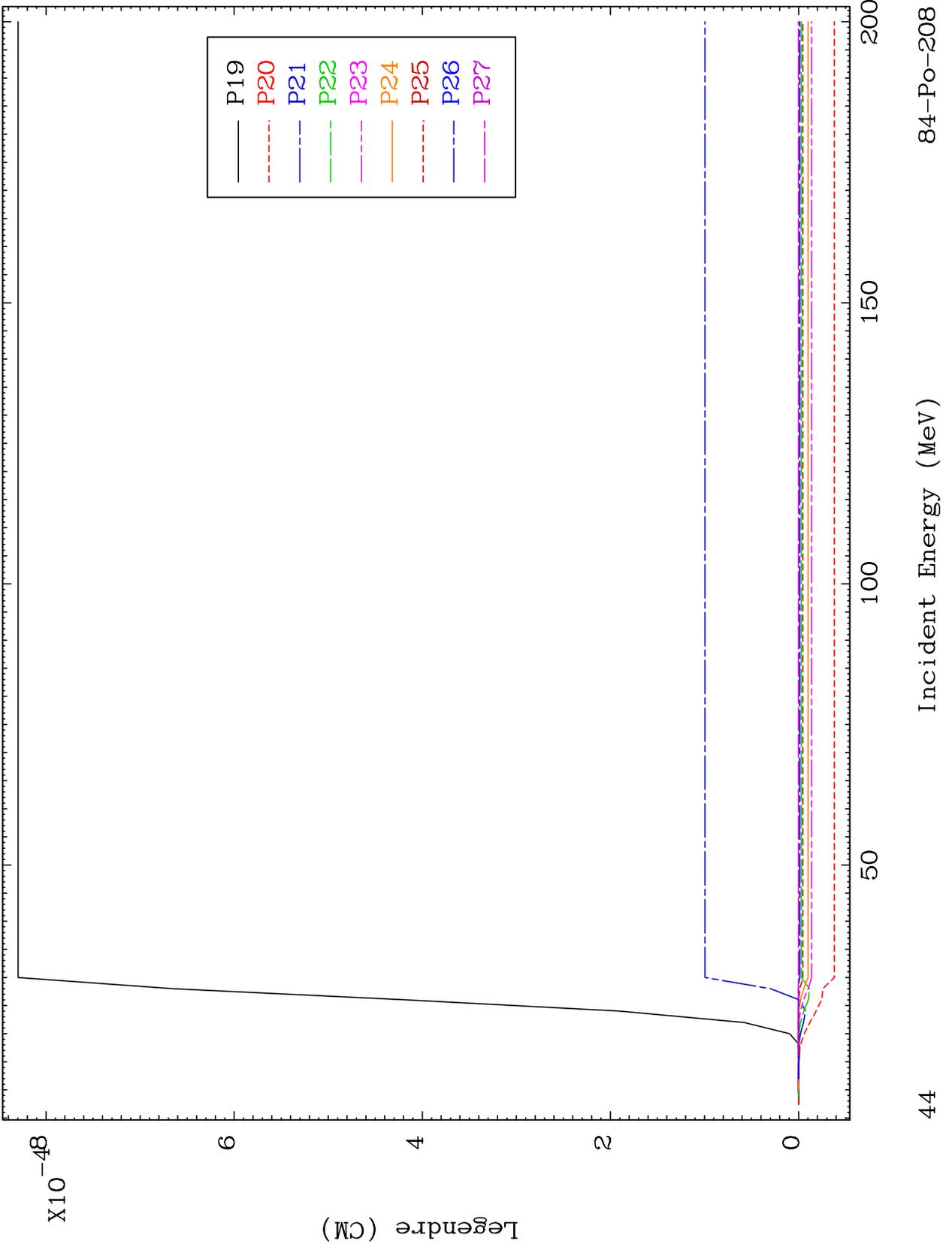
MT= 57 (n,n') Level
Legendre Coefficients



MAT 8431

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

84-Po-208



44

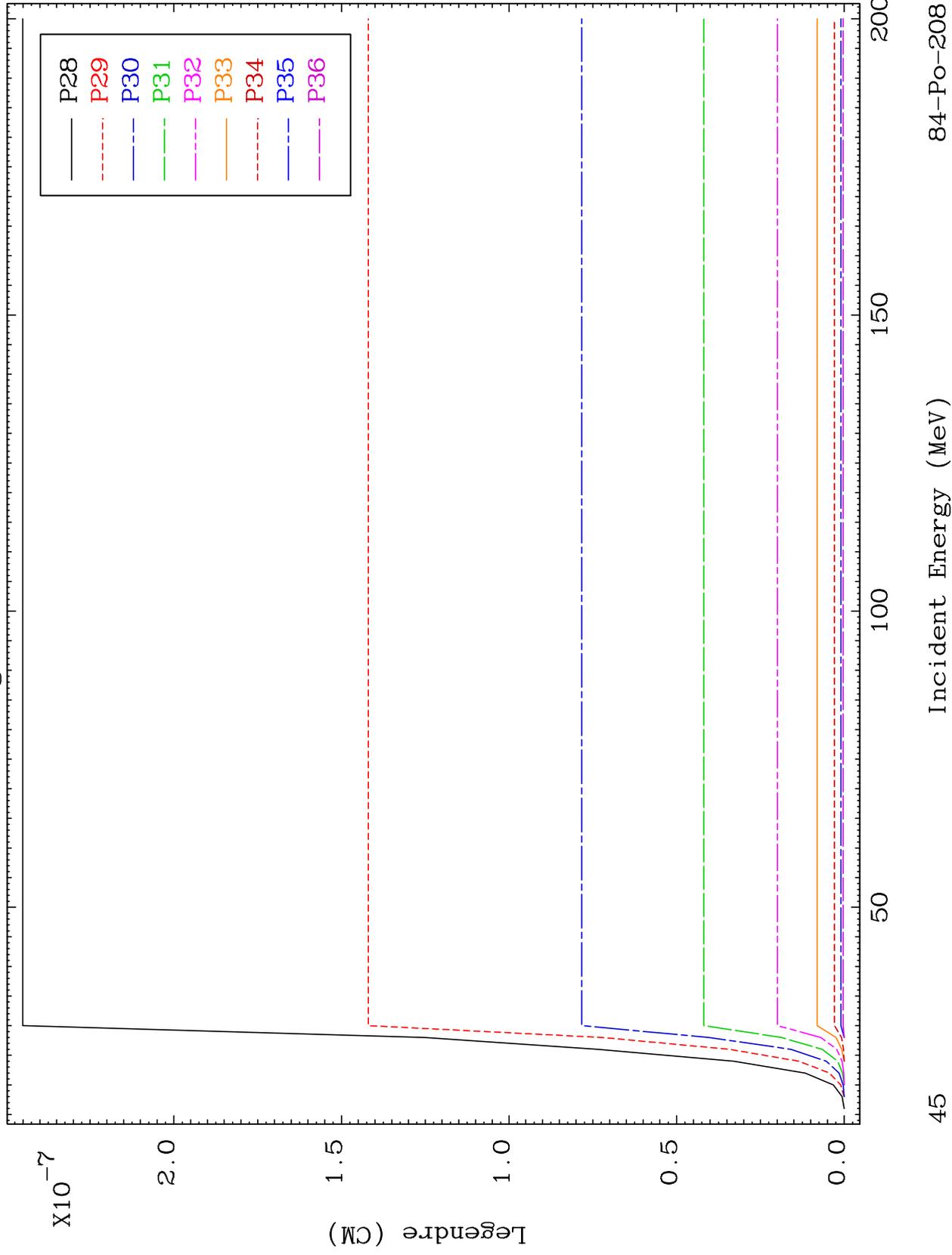
Incident Energy (MeV)

84-Po-208

MAT 8431

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

84-Po-208



84-Po-208

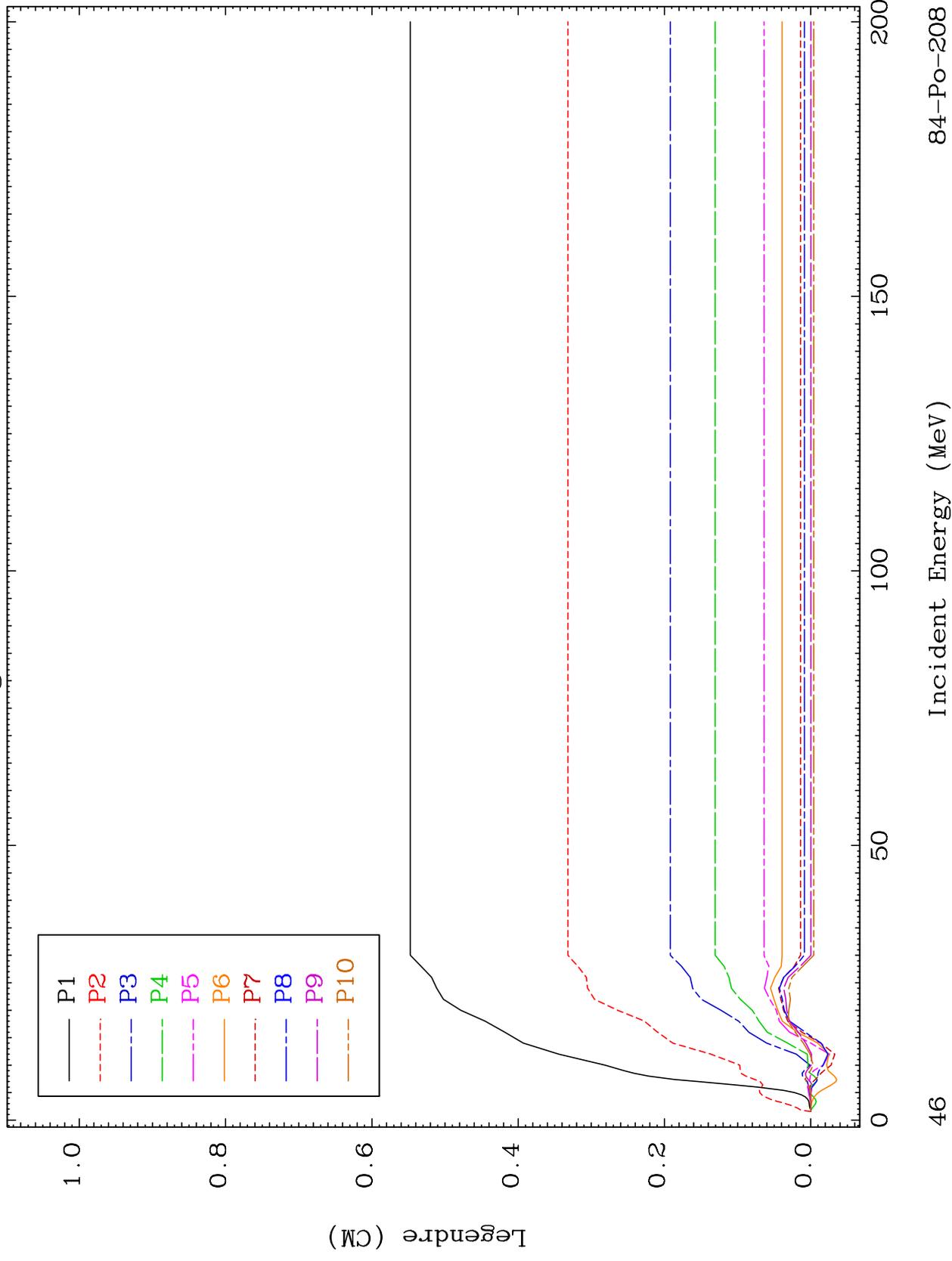
Incident Energy (MeV)

45

MAT 8431

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

84-Po-208



46

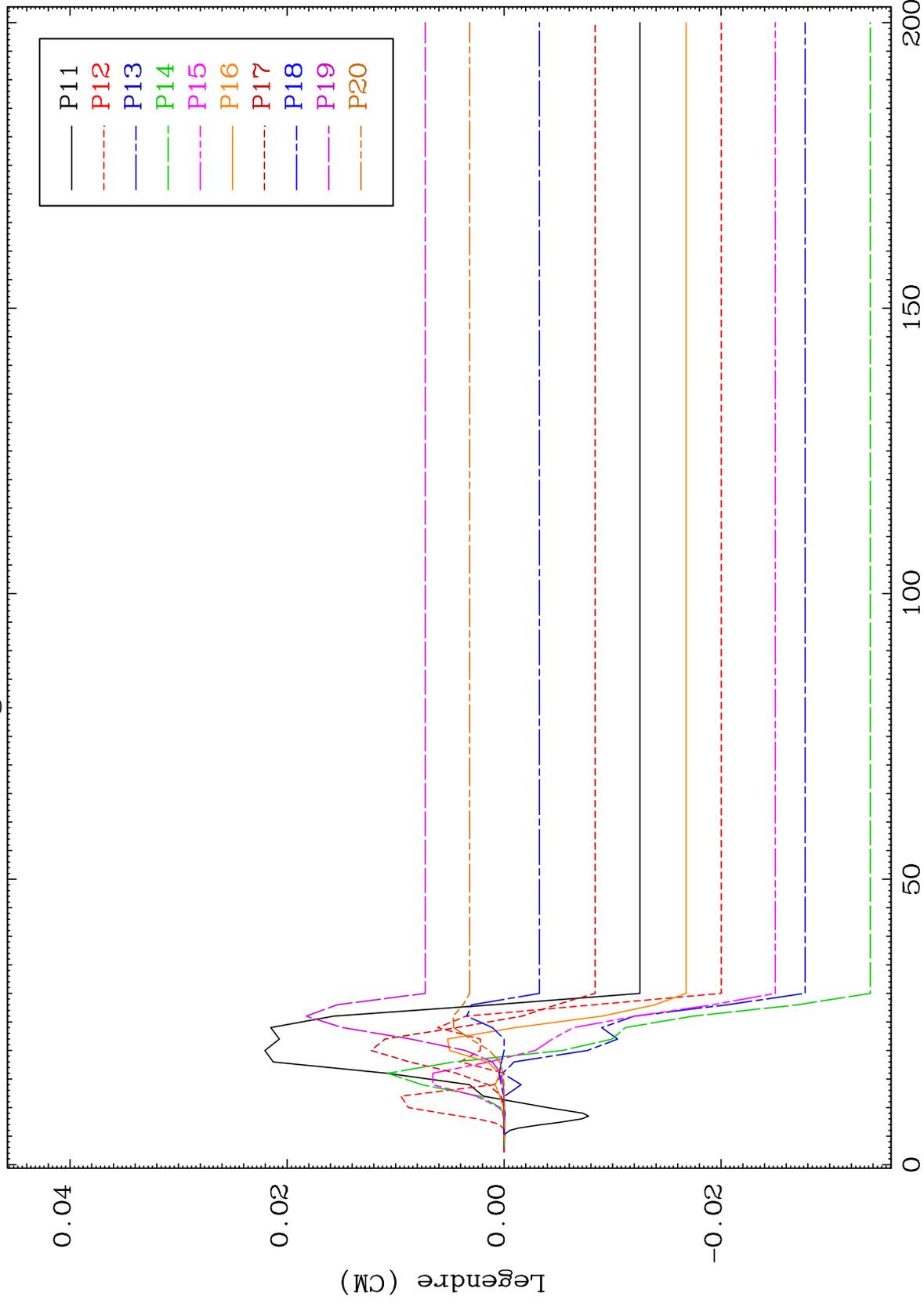
Incident Energy (MeV)

84-Po-208

MAT 8431

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

84-Po-208



47

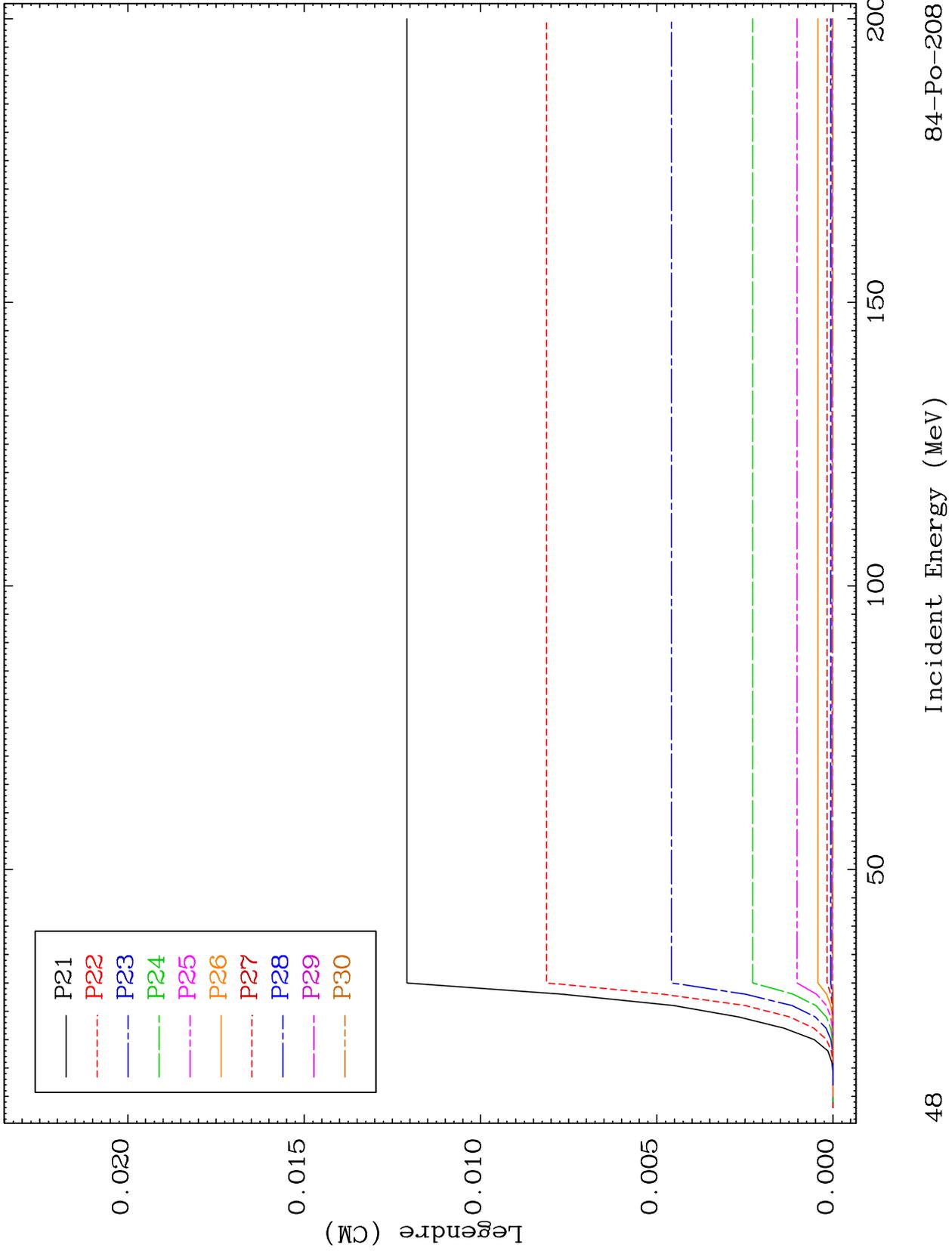
Incident Energy (MeV)

84-Po-208

MAT 8431

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

84-Po-208



48

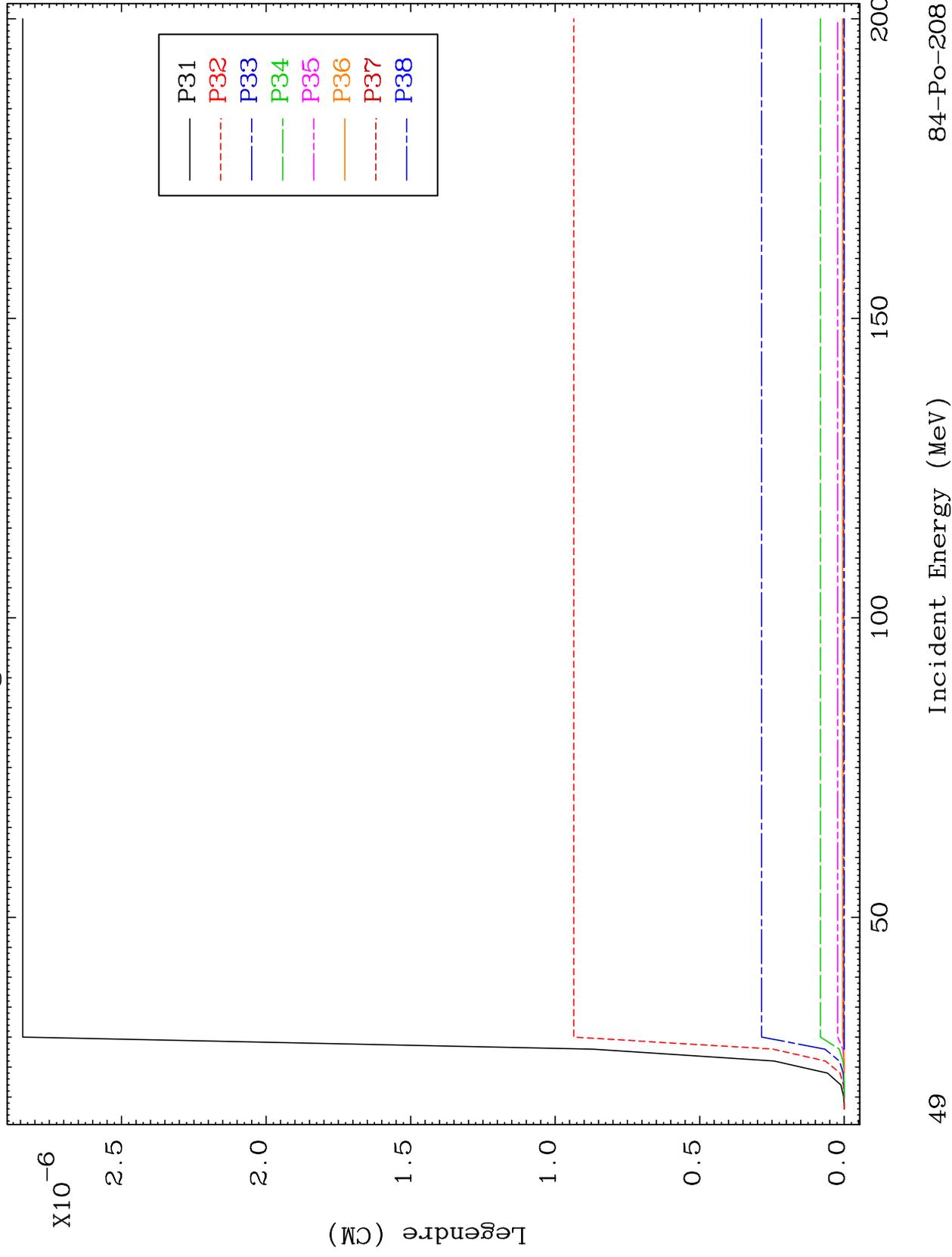
Incident Energy (MeV)

84-Po-208

MAT 8431

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

84-Po-208



49

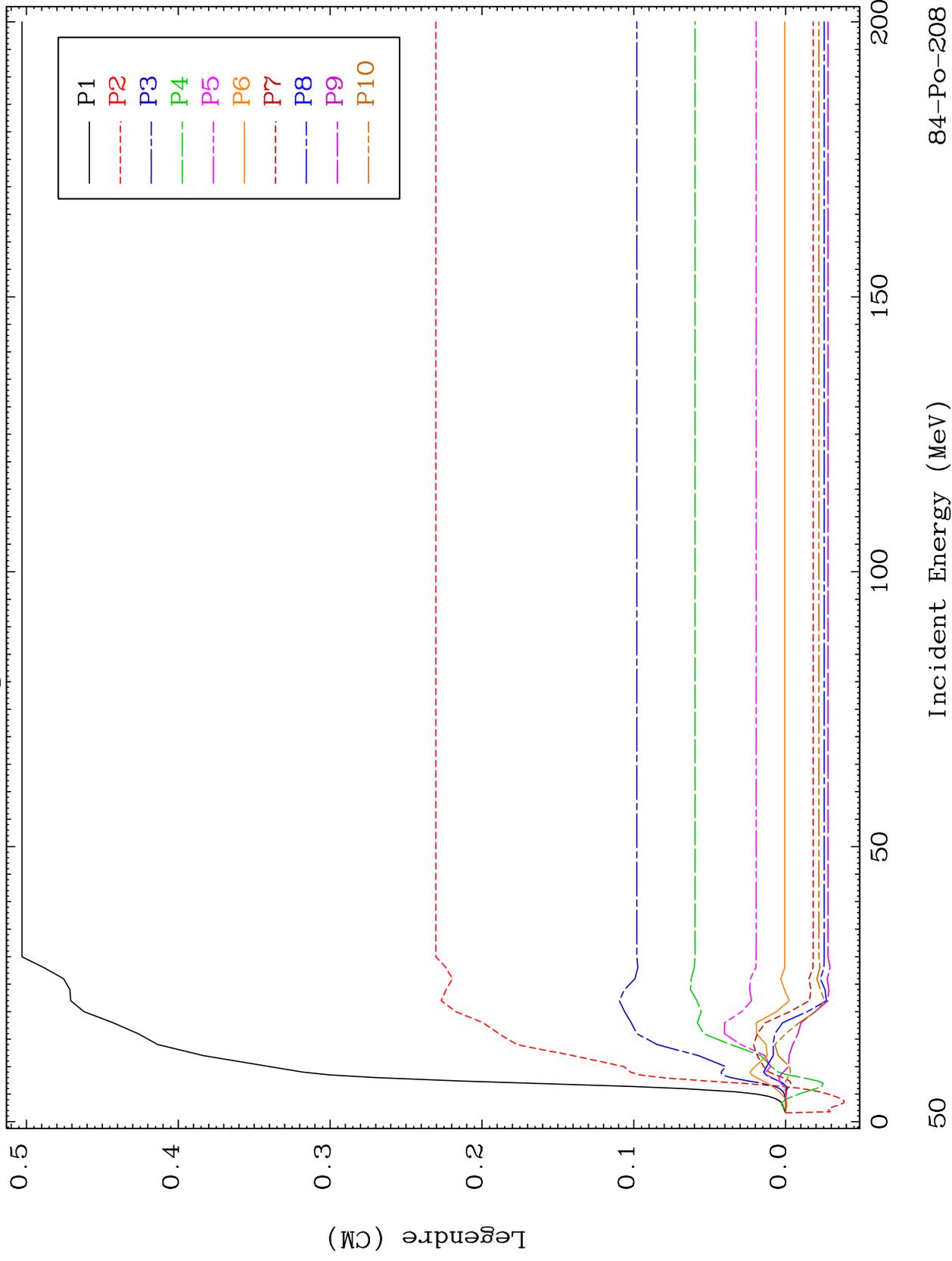
Incident Energy (MeV)

84-Po-208

MAT 8431

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

84-Po-208



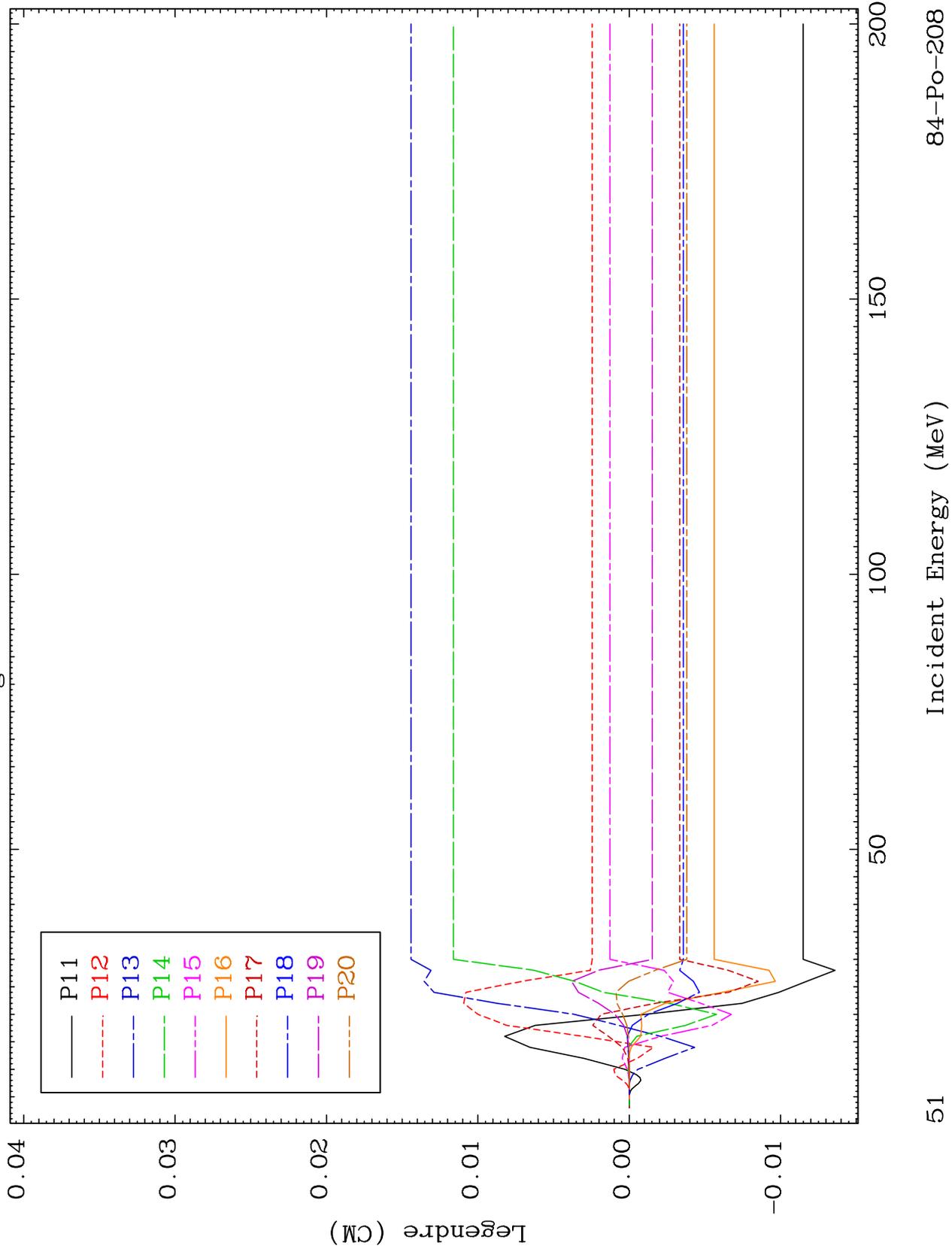
84-Po-208

Incident Energy (MeV)

MAT 8431

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

84-Po-208



51

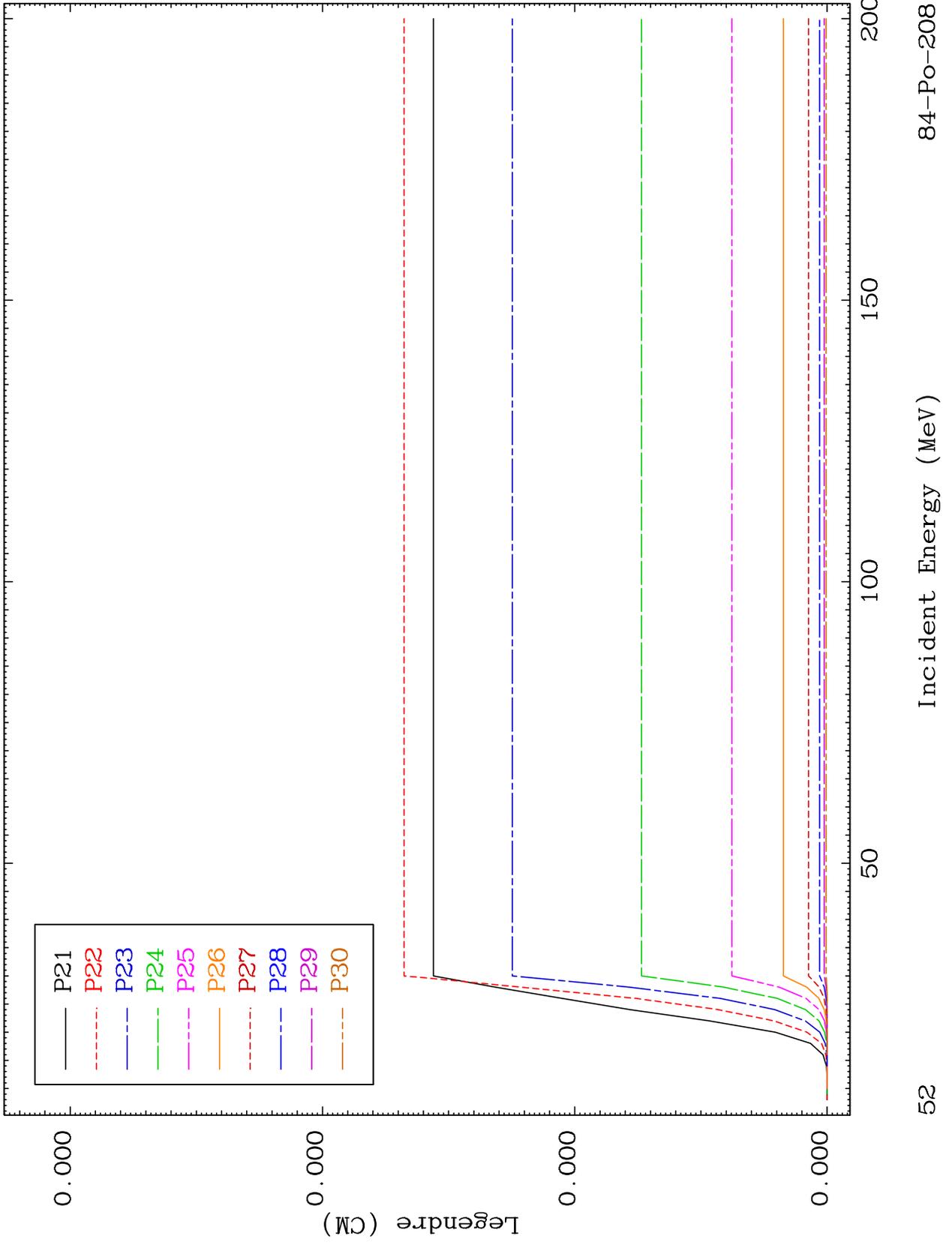
Incident Energy (MeV)

84-Po-208

MAT 8431

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

84-Po-208

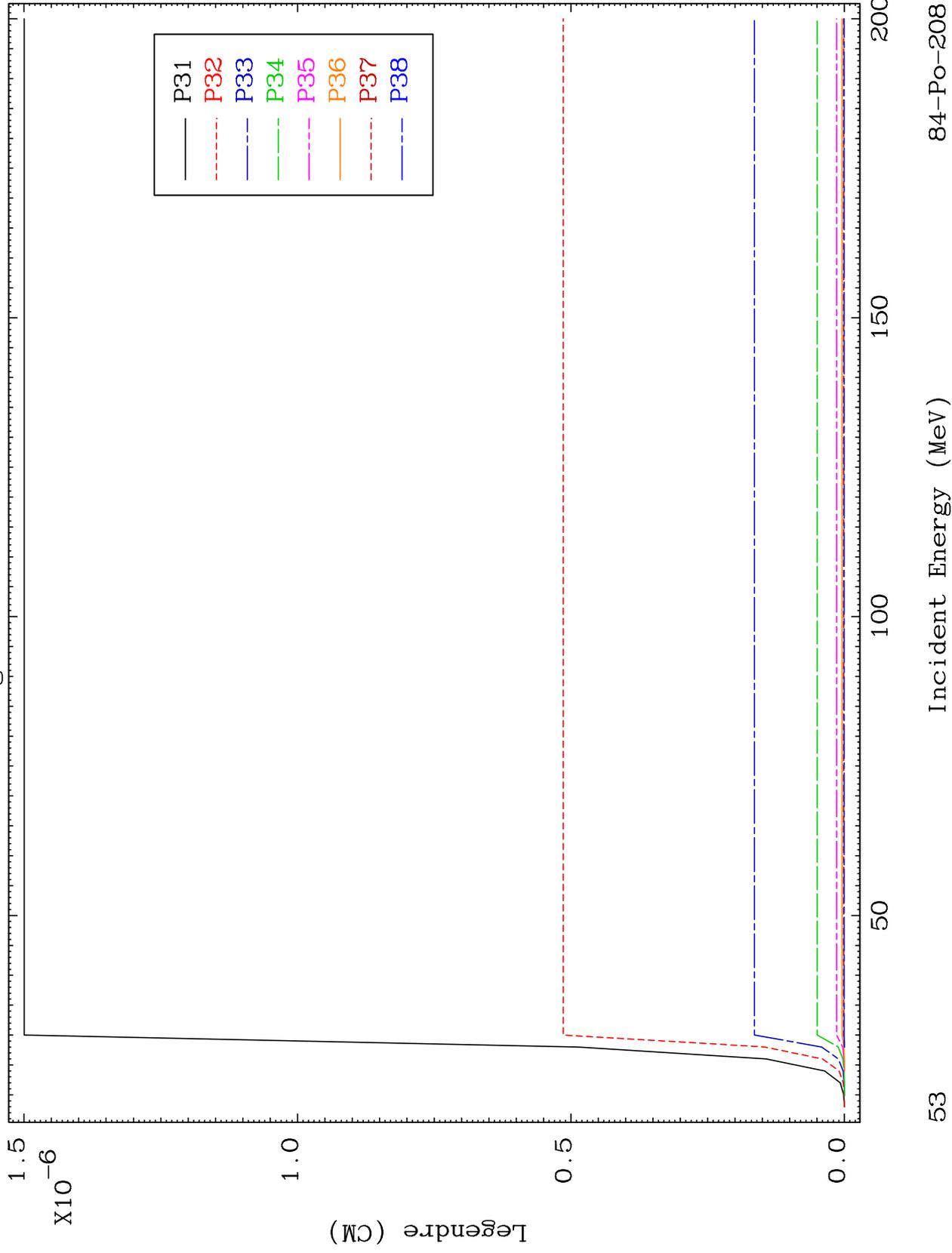


52

MAT 8431

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

84-Po-208



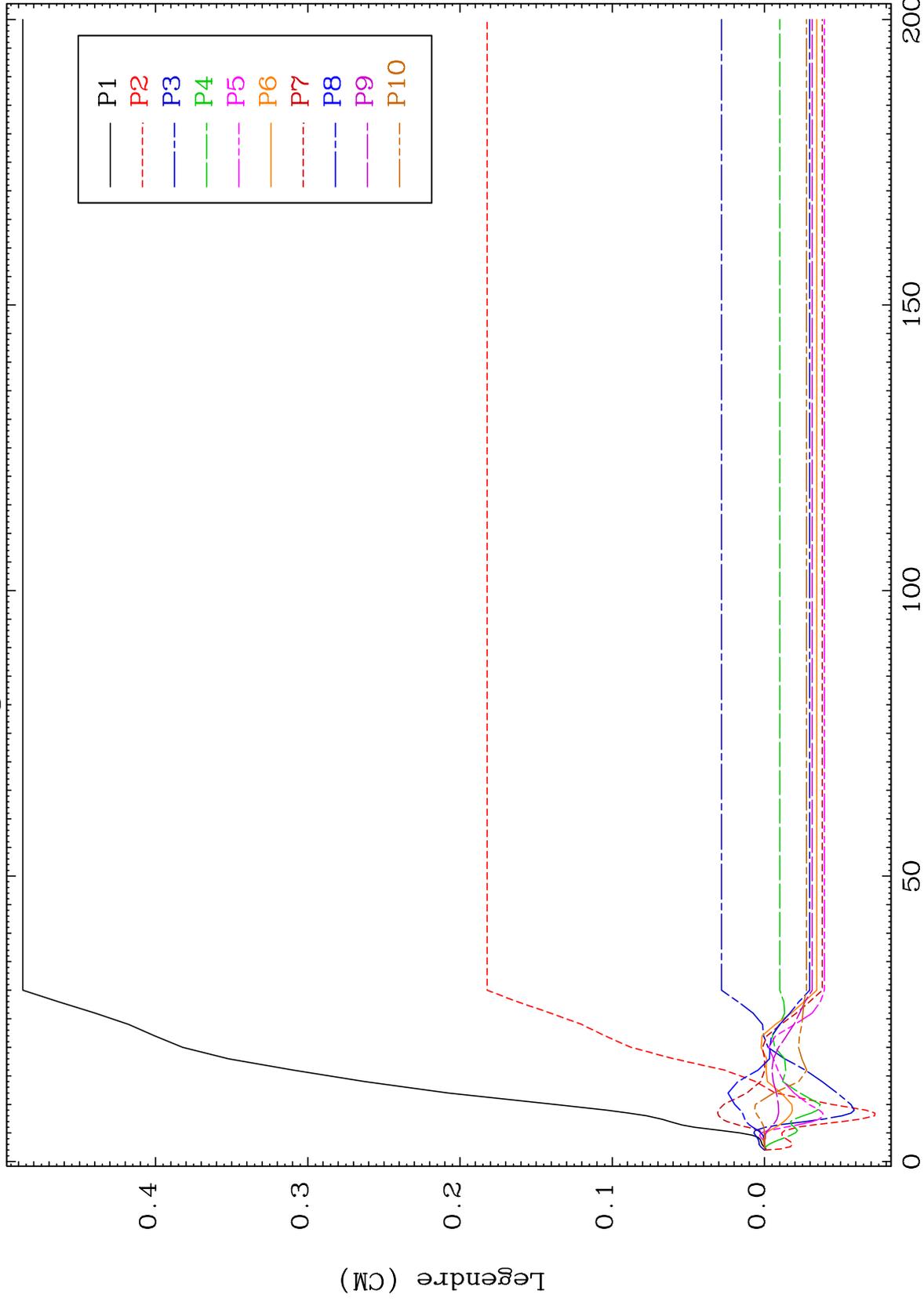
53

84-Po-208

MAT 8431

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

84-Po-208



54

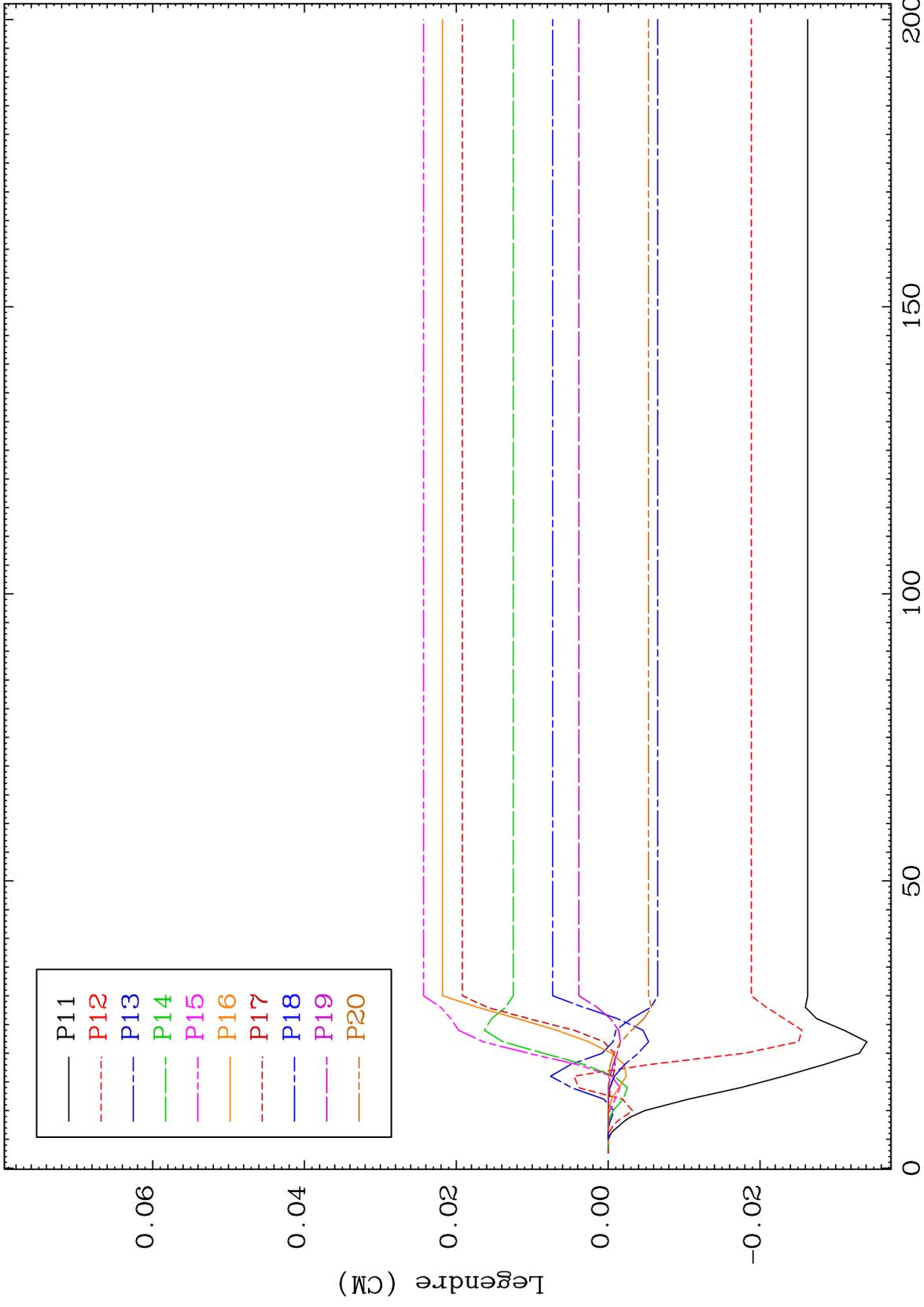
Incident Energy (MeV)

84-Po-208

MAT 8431

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

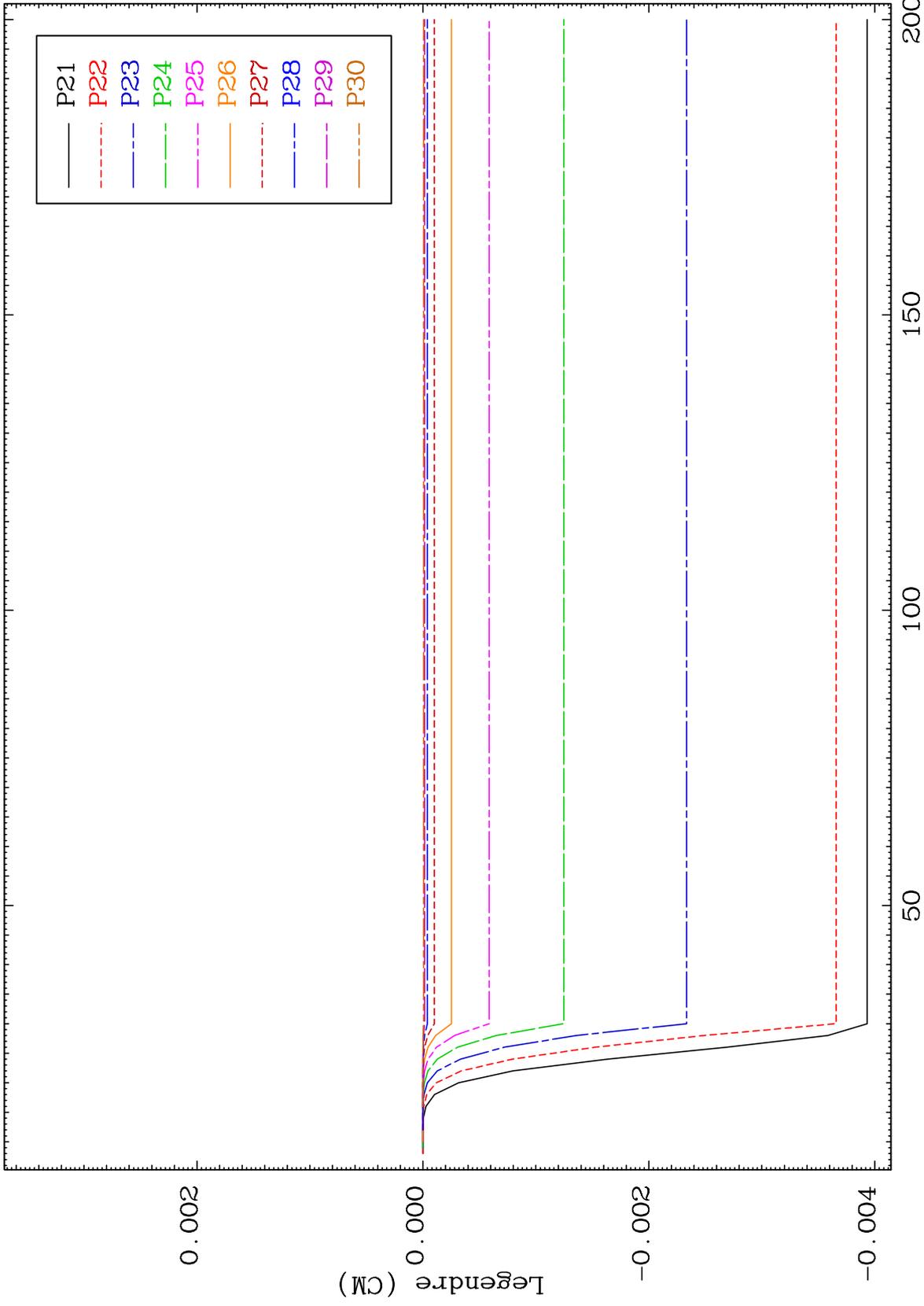
84-Po-208

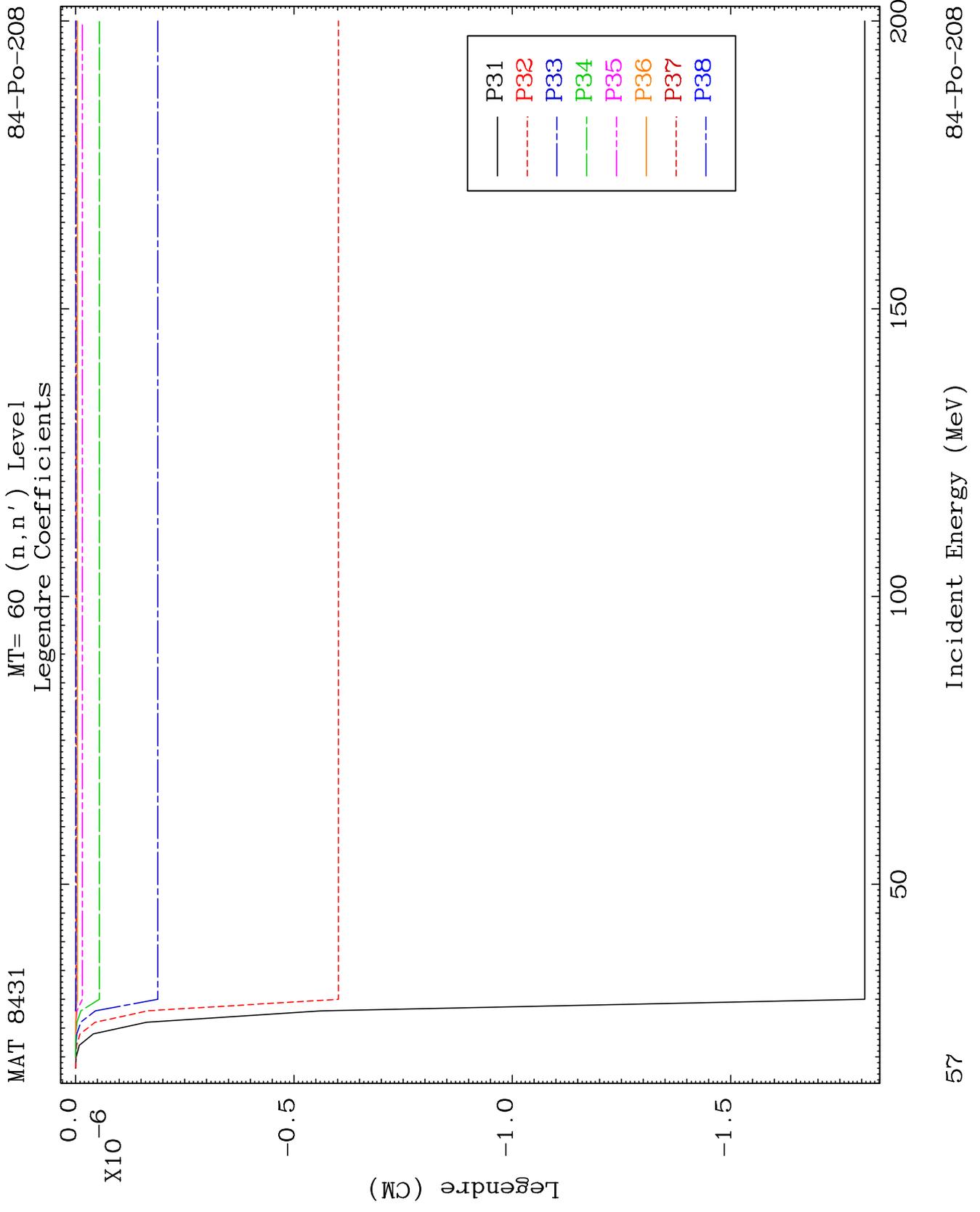


55

Incident Energy (MeV)

84-Po-208

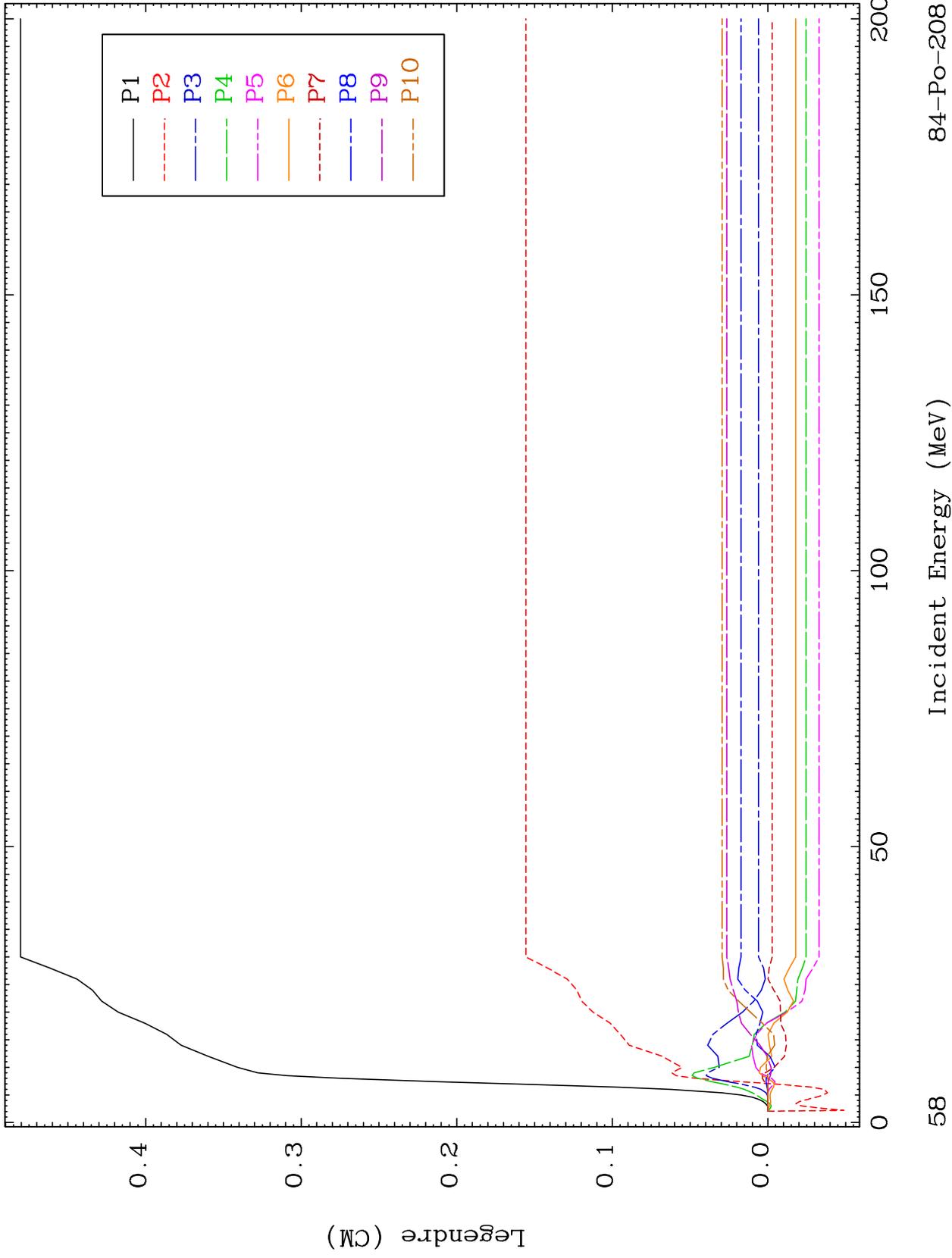




MAT 8431

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

84-Po-208



84-Po-208

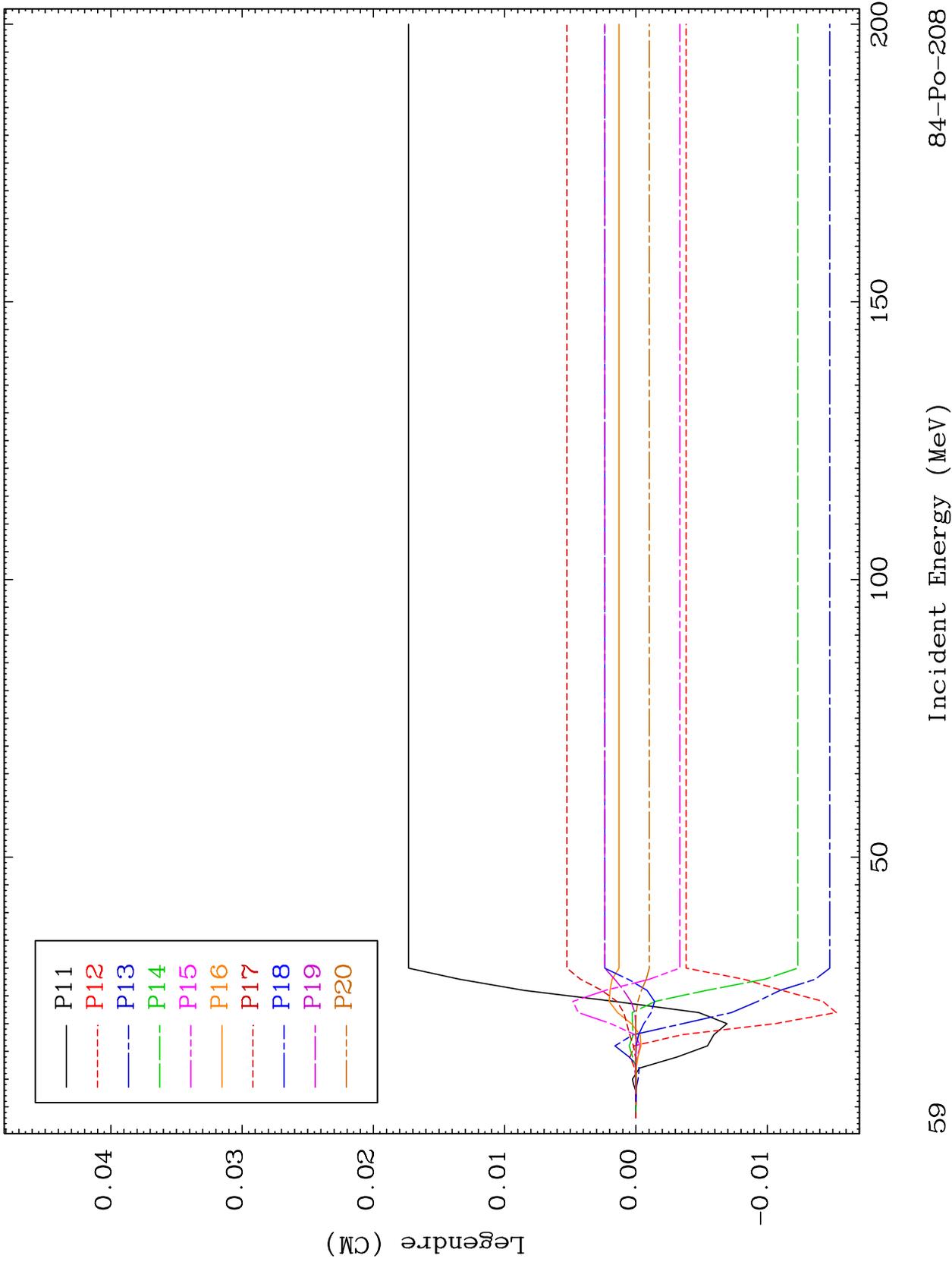
Incident Energy (MeV)

58

MAT 8431

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

84-Po-208



59

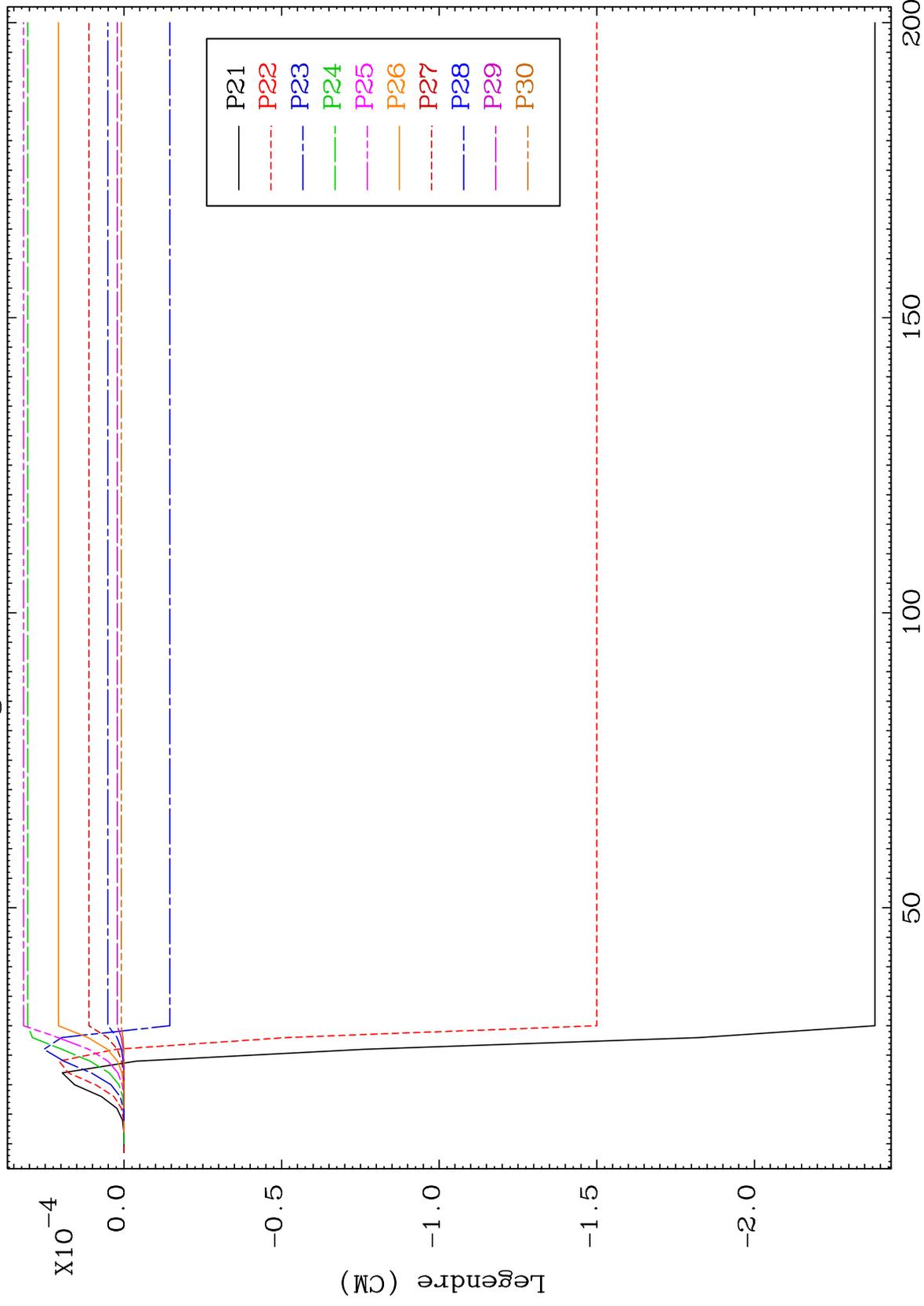
Incident Energy (MeV)

84-Po-208

MAT 8431

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

84-Po-208



60

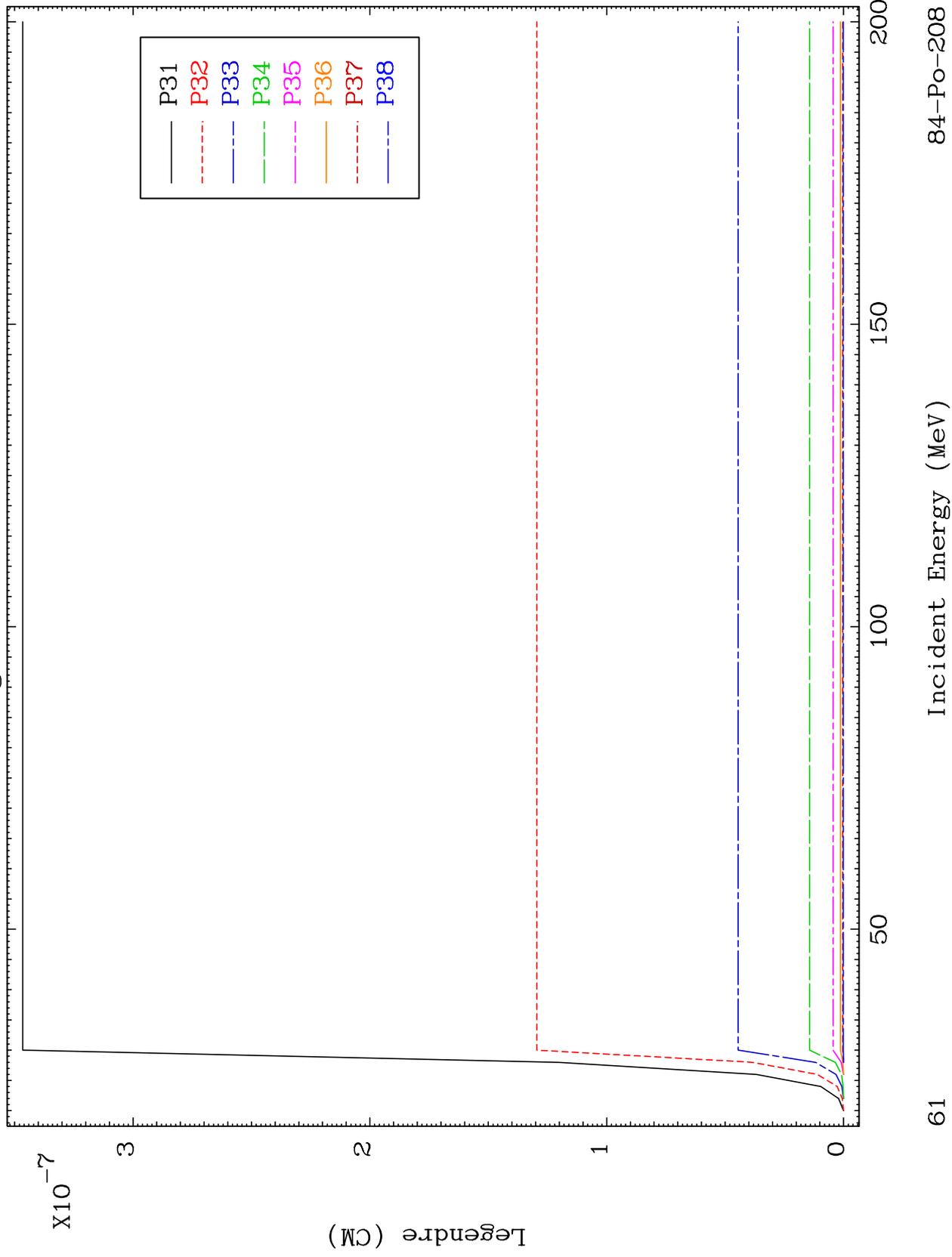
Incident Energy (MeV)

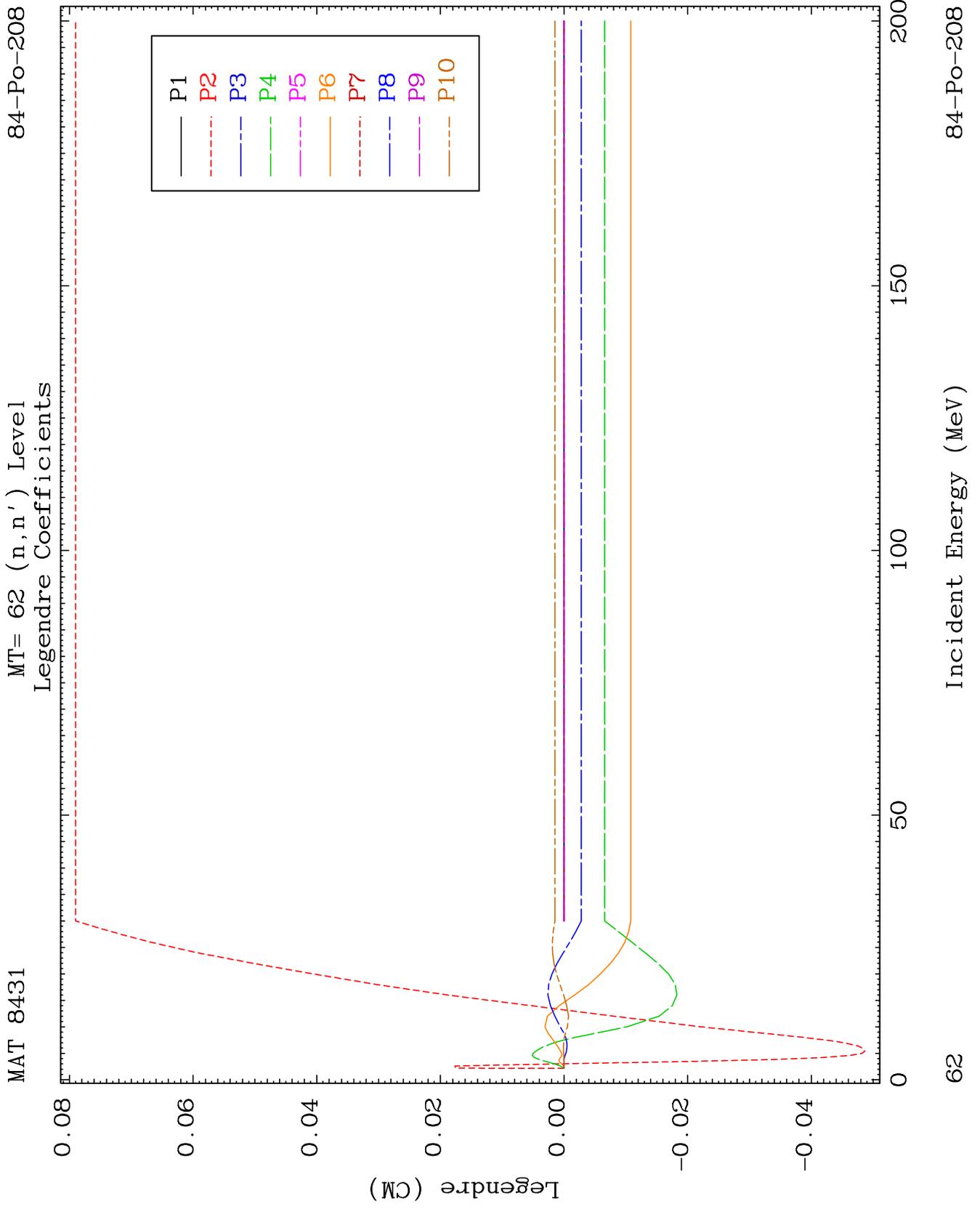
84-Po-208

MAT 8431

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

84-Po-208

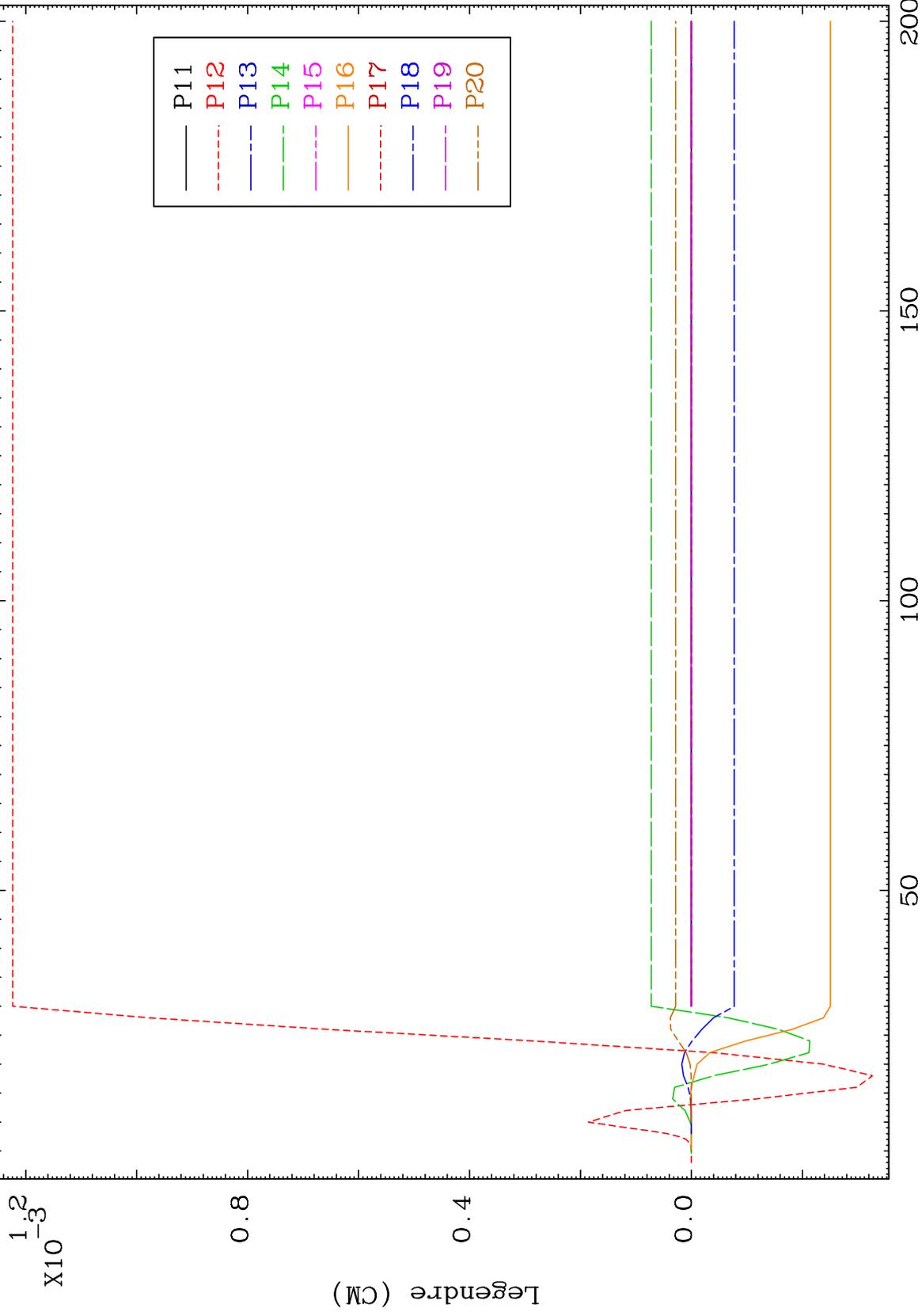




MAT 8431

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

84-Po-208



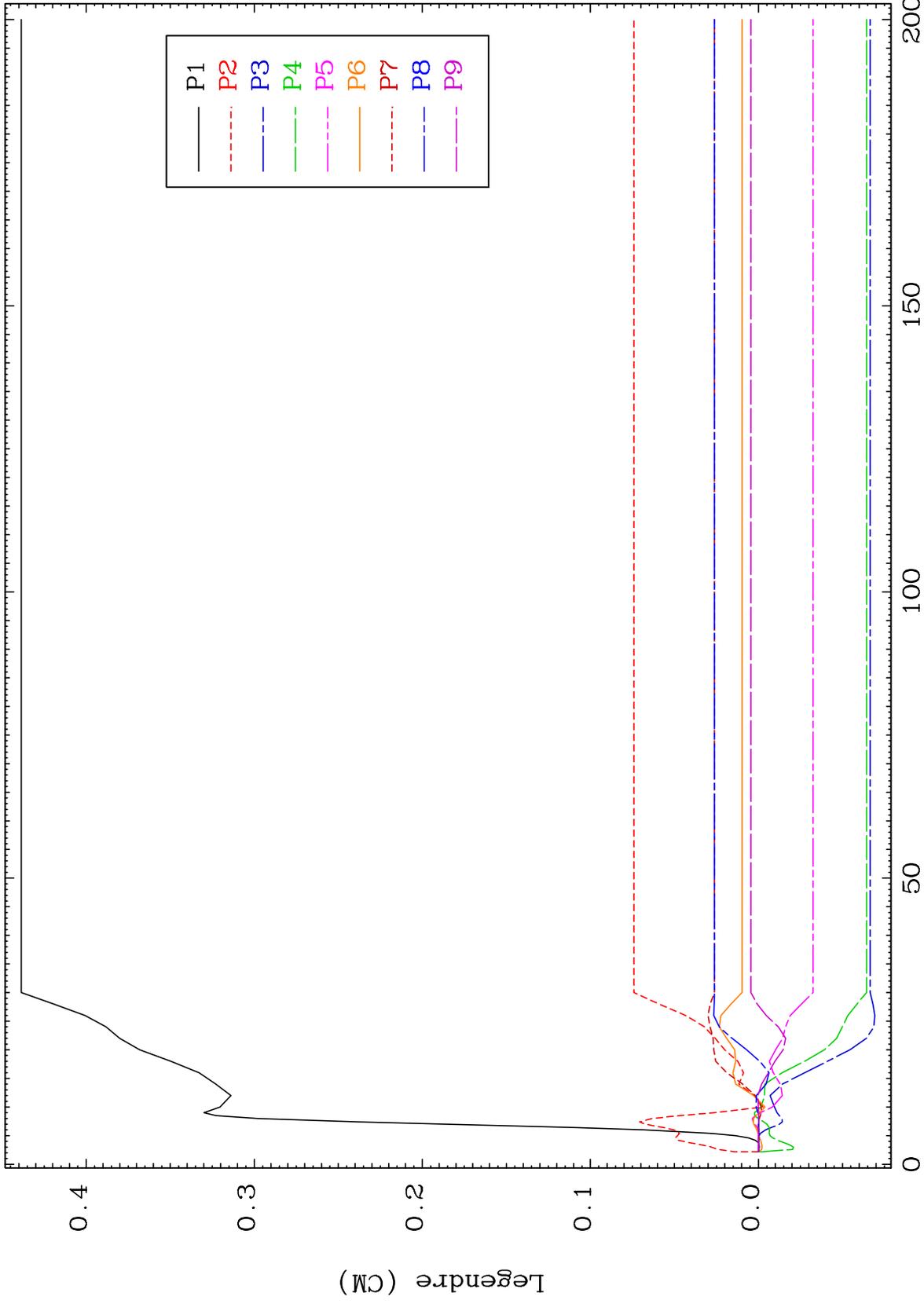
63

84-Po-208

MAT 8431

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

84-Po-208



84-Po-208

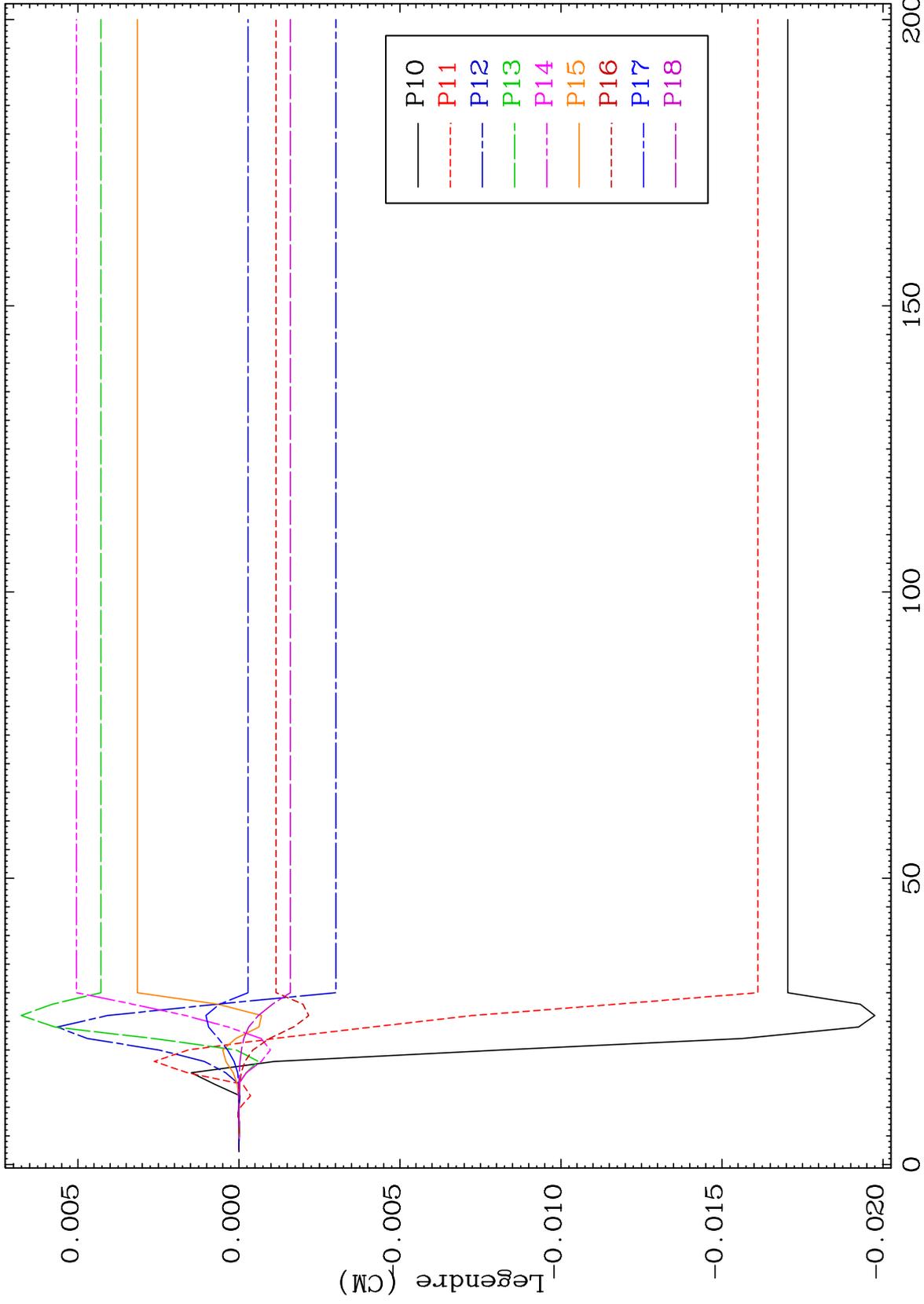
Incident Energy (MeV)

65

MAT 8431

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

84-Po-208



66

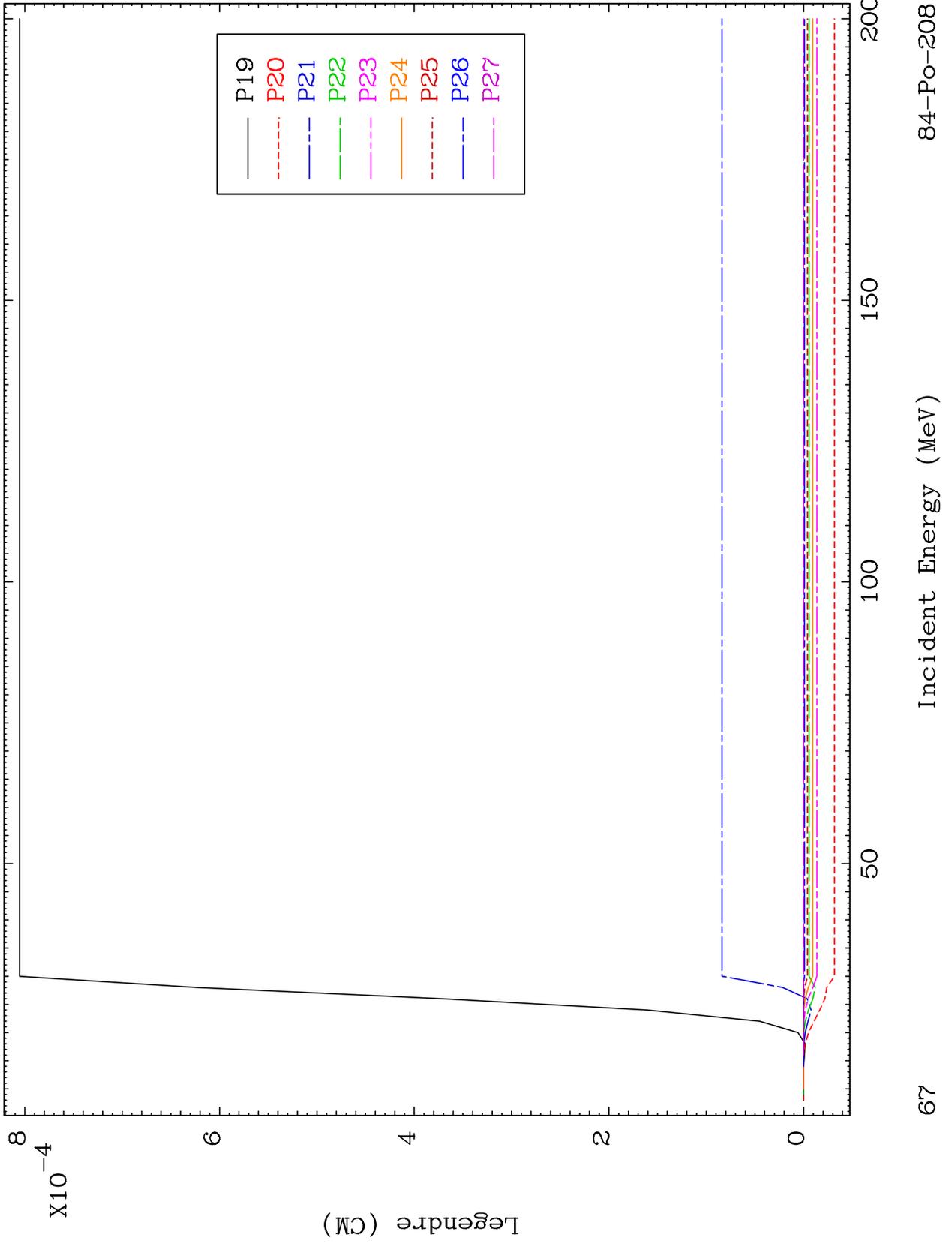
Incident Energy (MeV)

84-Po-208

MAT 8431

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

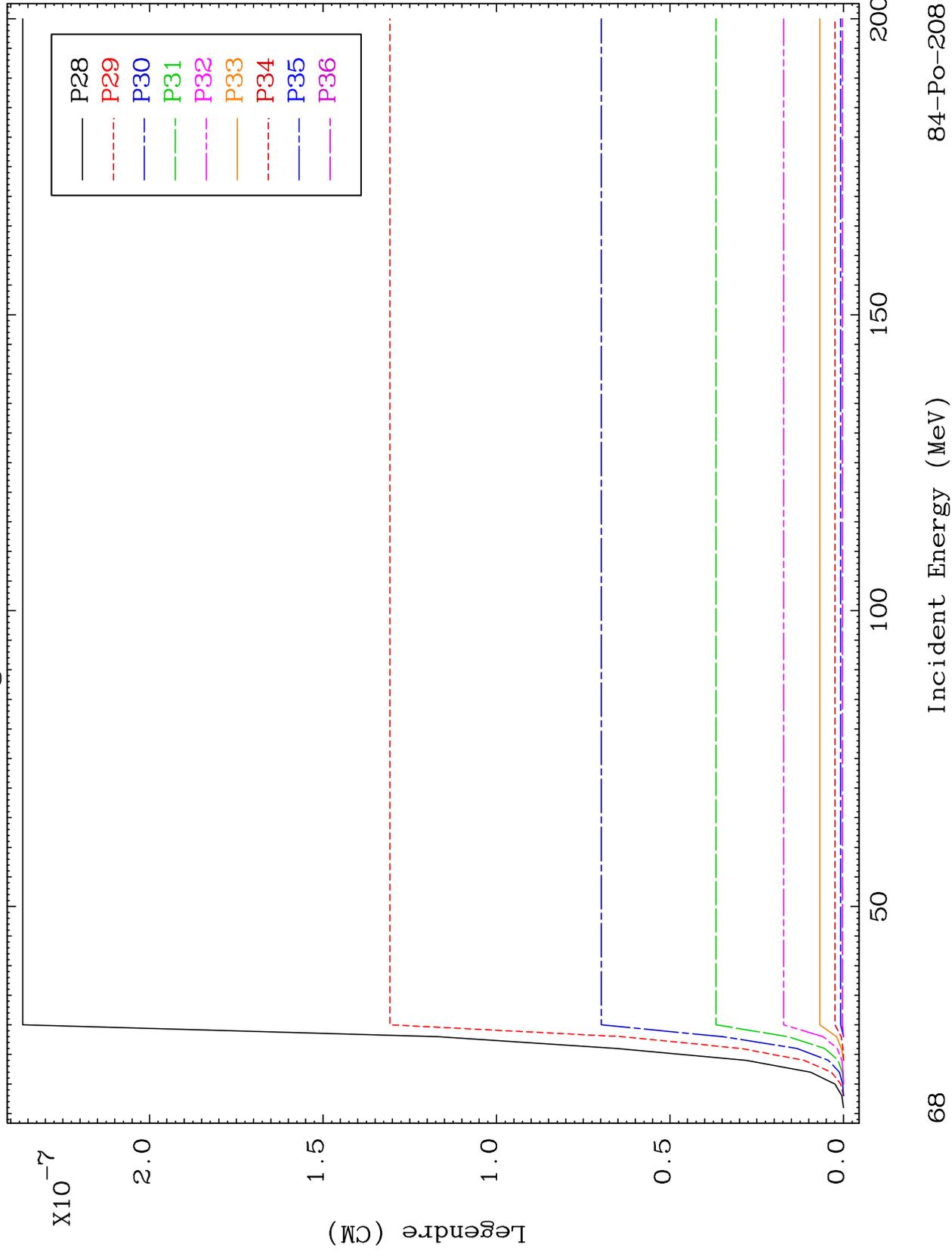
84-Po-208



MAT 8431

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

84-Po-208



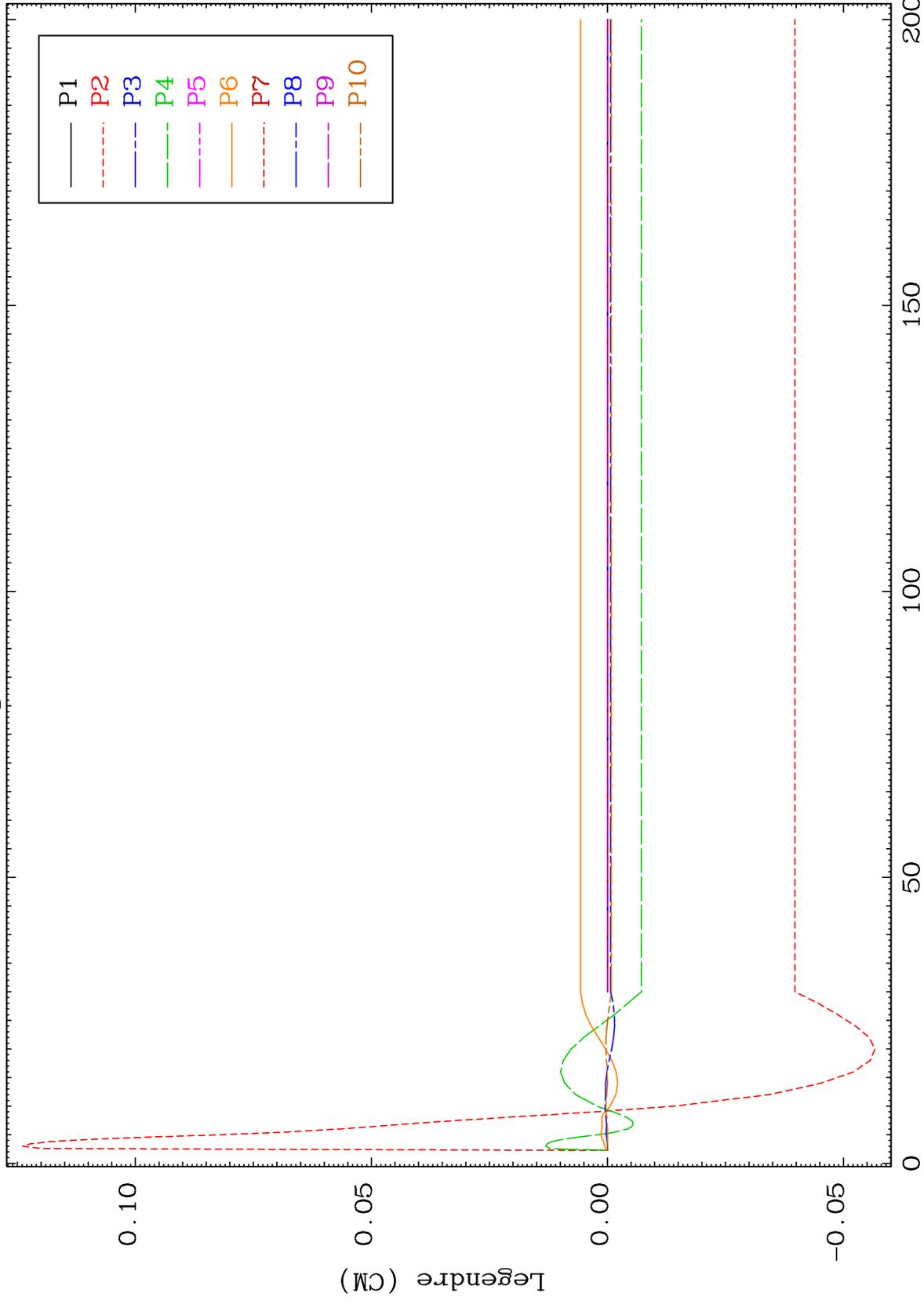
68

84-Po-208

MAT 8431

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

84-Po-208



69

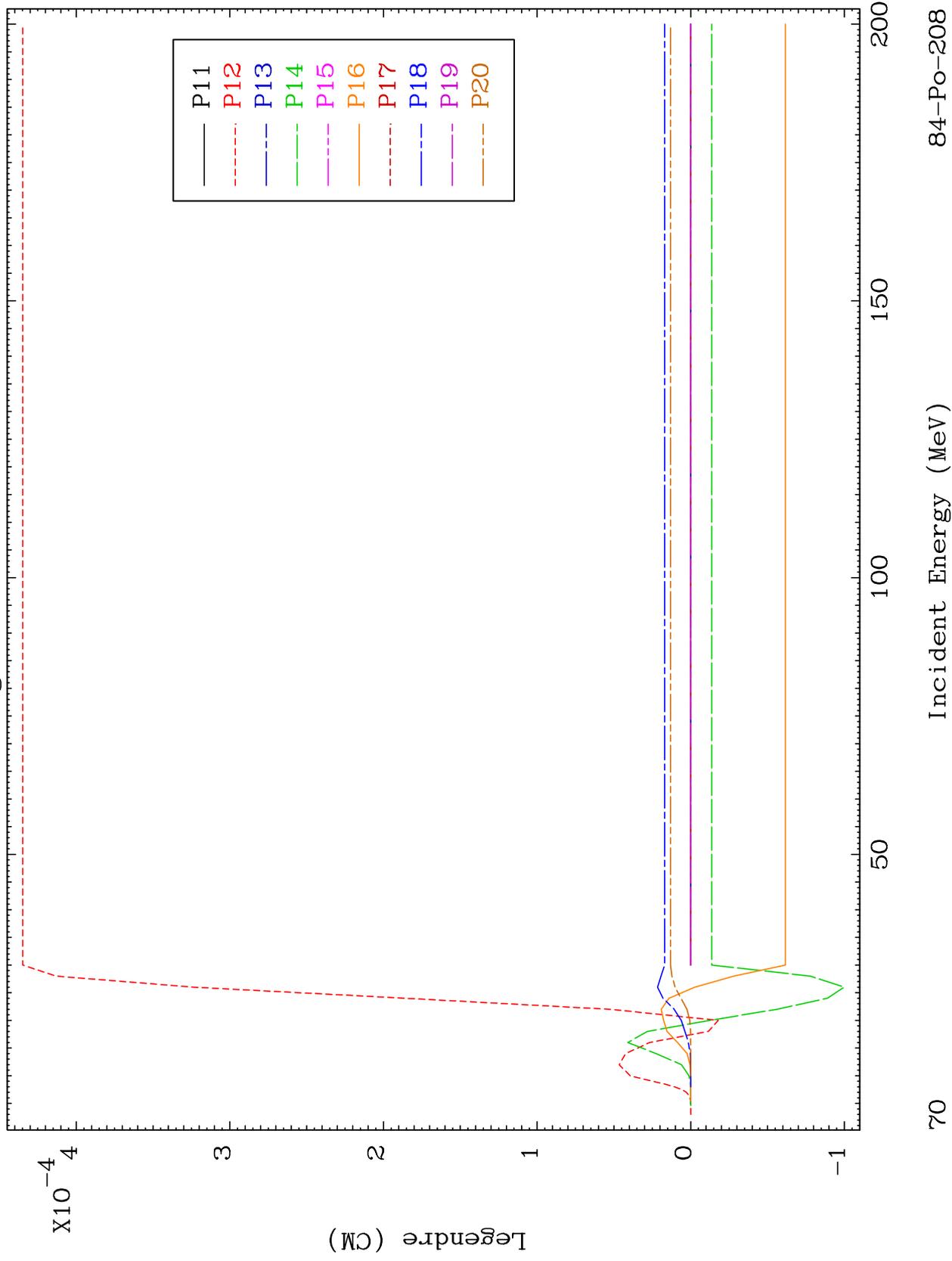
Incident Energy (MeV)

84-Po-208

MAT 8431

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

84-Po-208



70

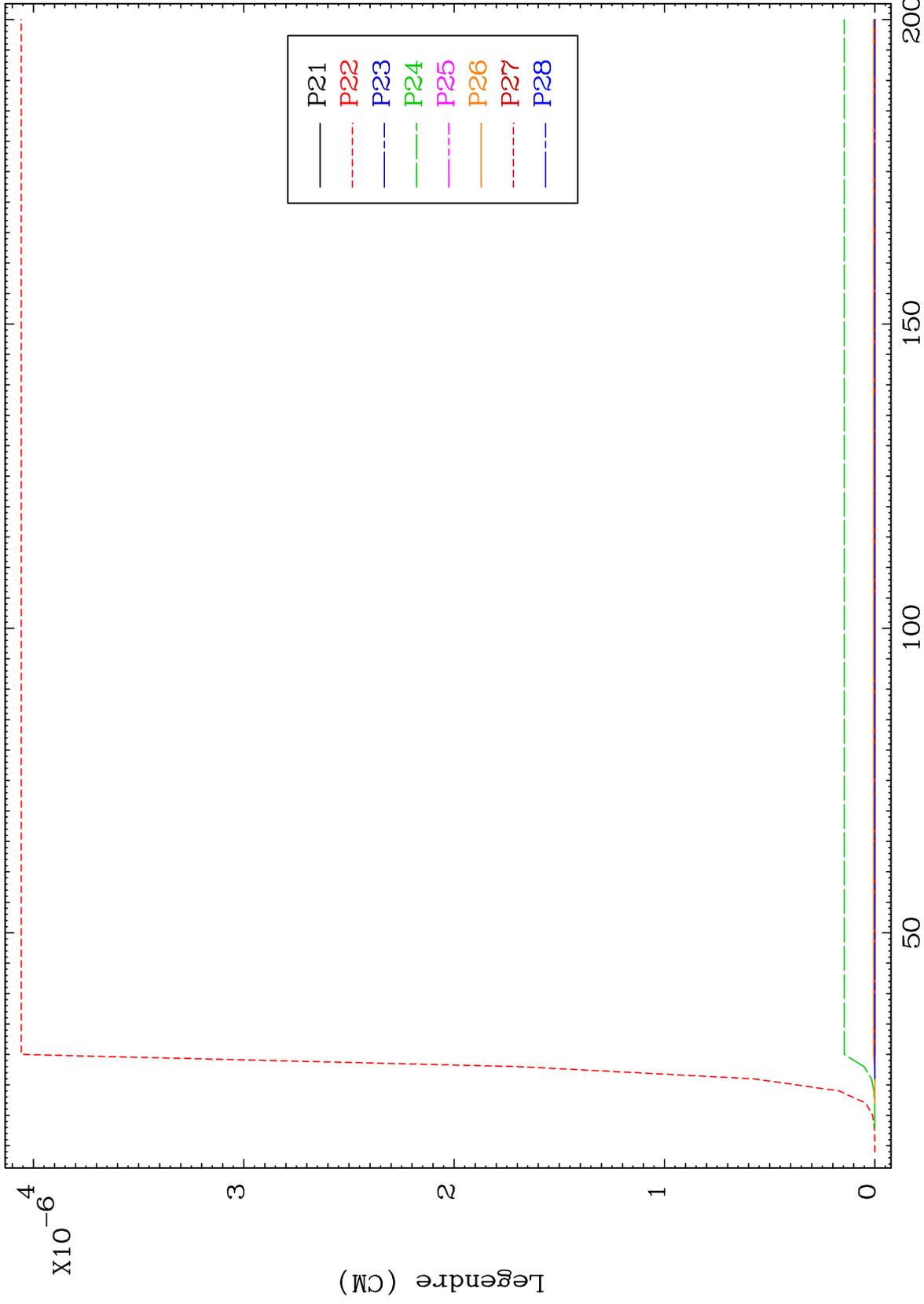
Incident Energy (MeV)

84-Po-208

MAT 8431

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

84-Po-208



71

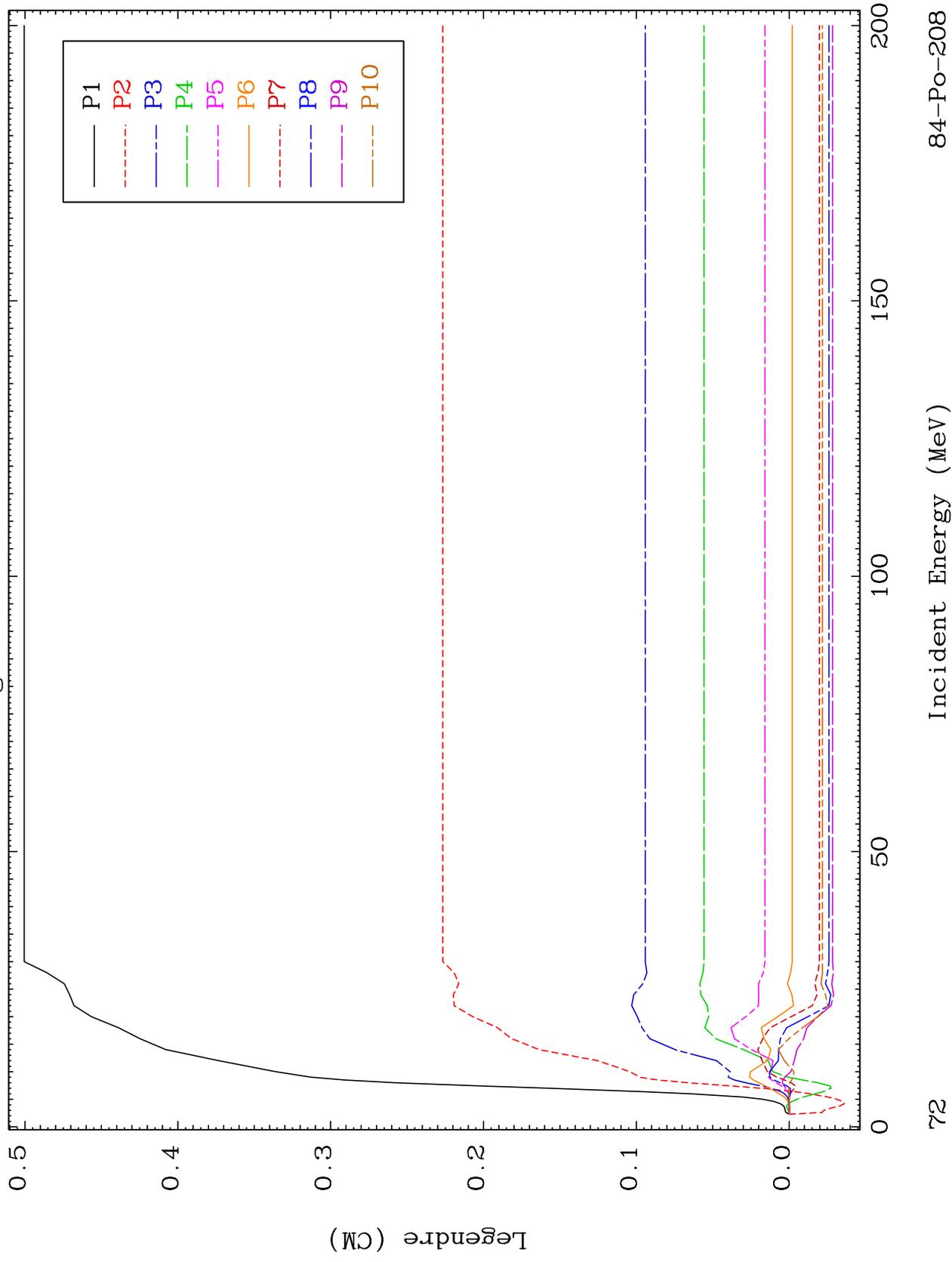
Incident Energy (MeV)

84-Po-208

MAT 8431

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

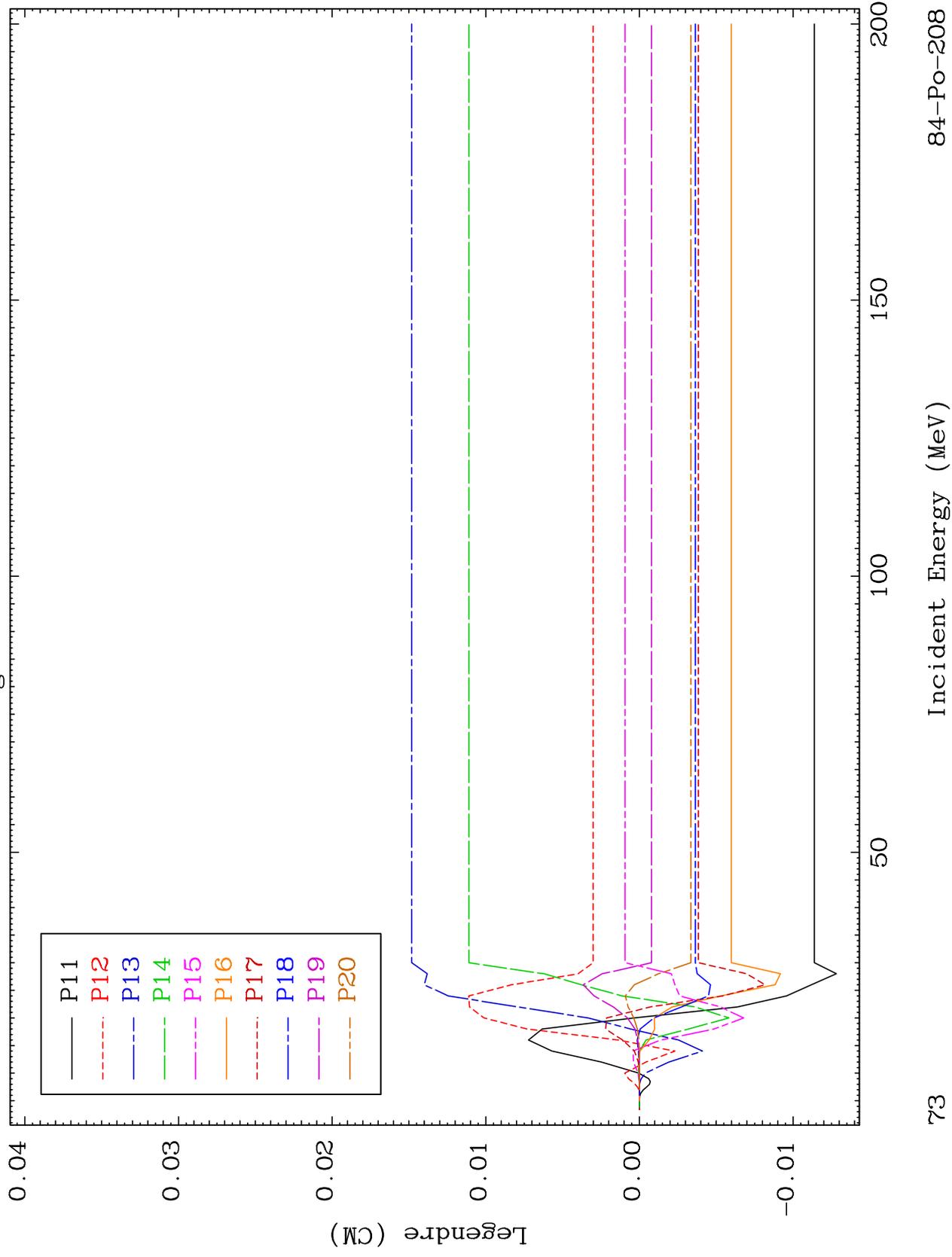
84-Po-208



MAT 8431

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

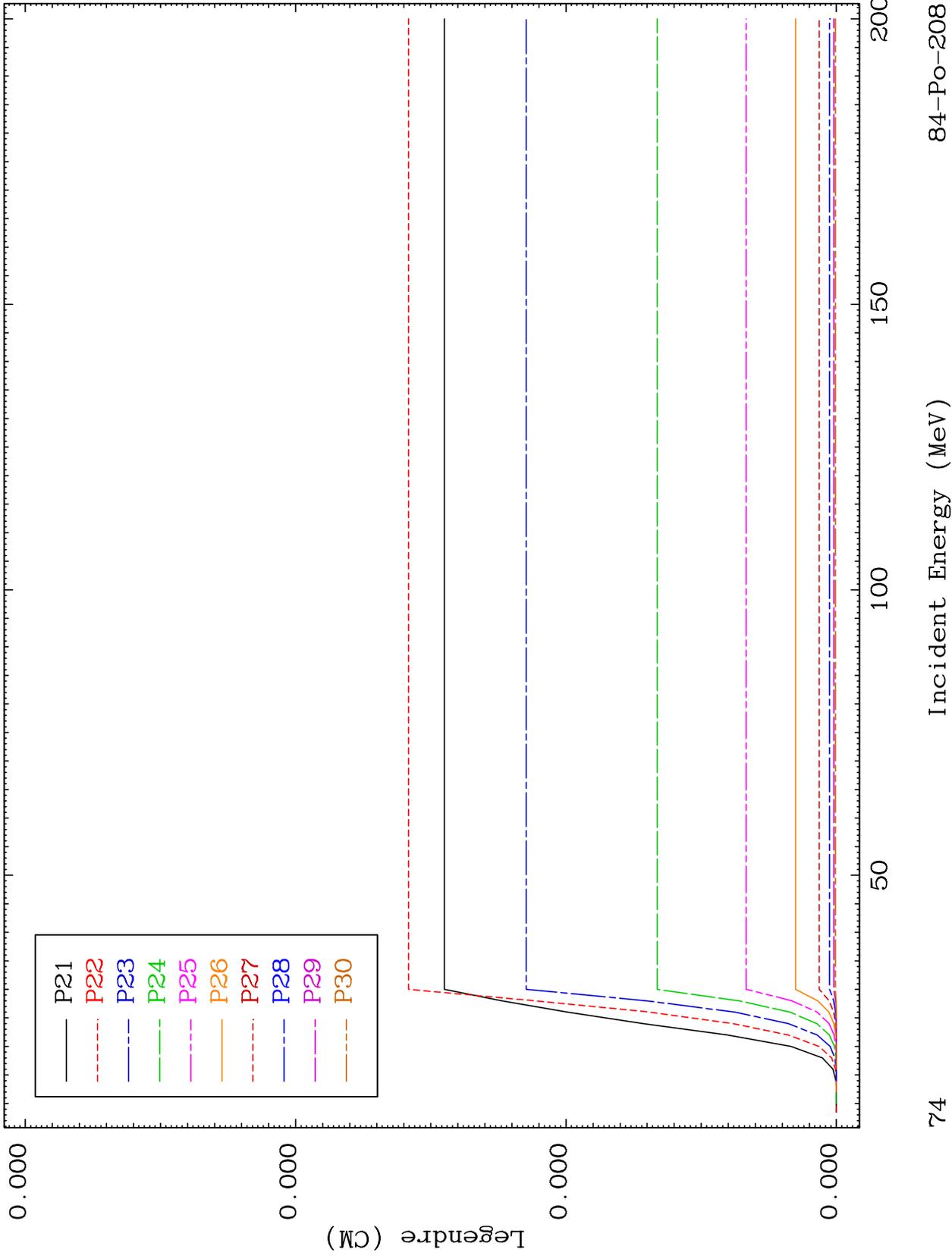
84-Po-208



MAT 8431

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

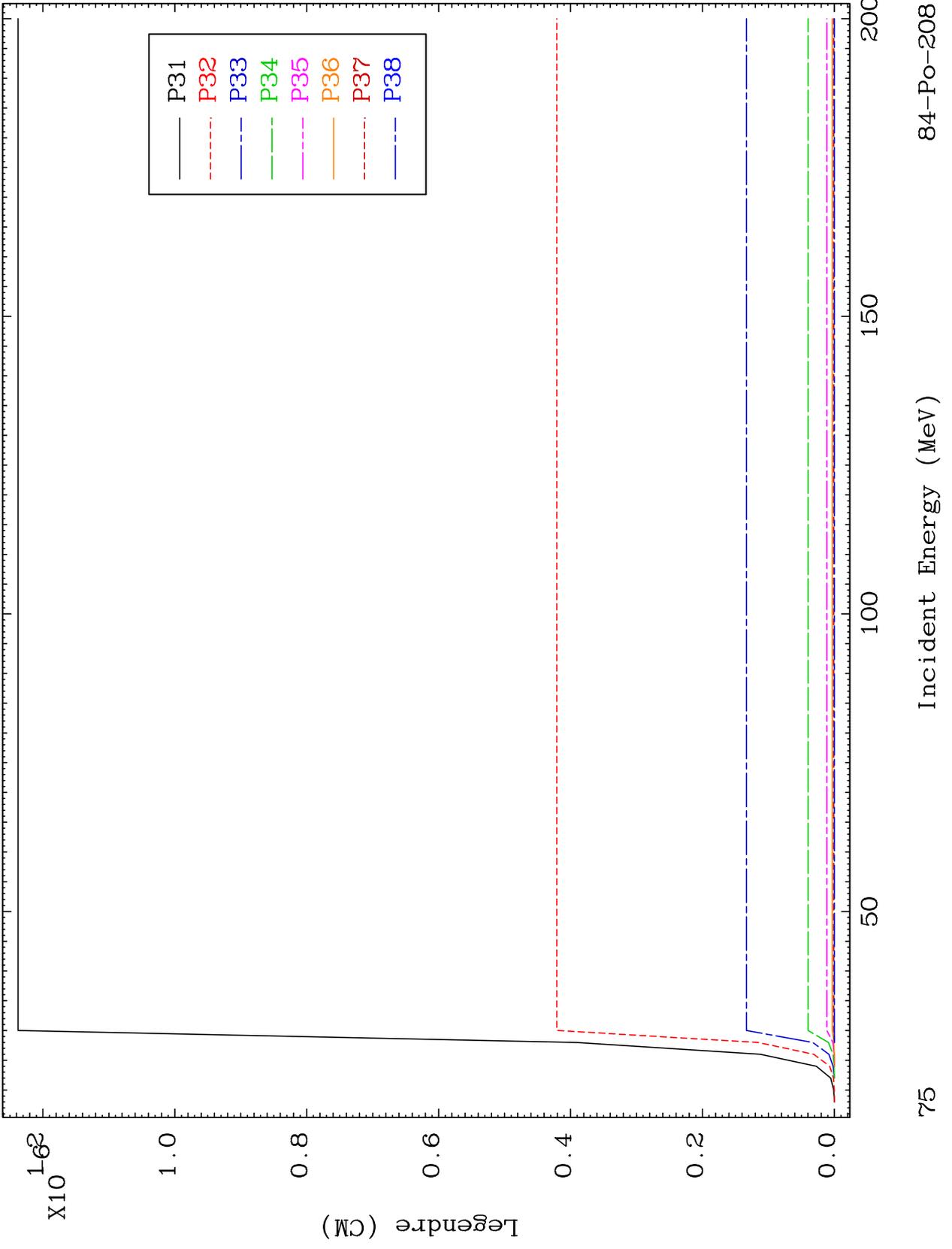
84-Po-208



MAT 8431

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

84-Po-208



75

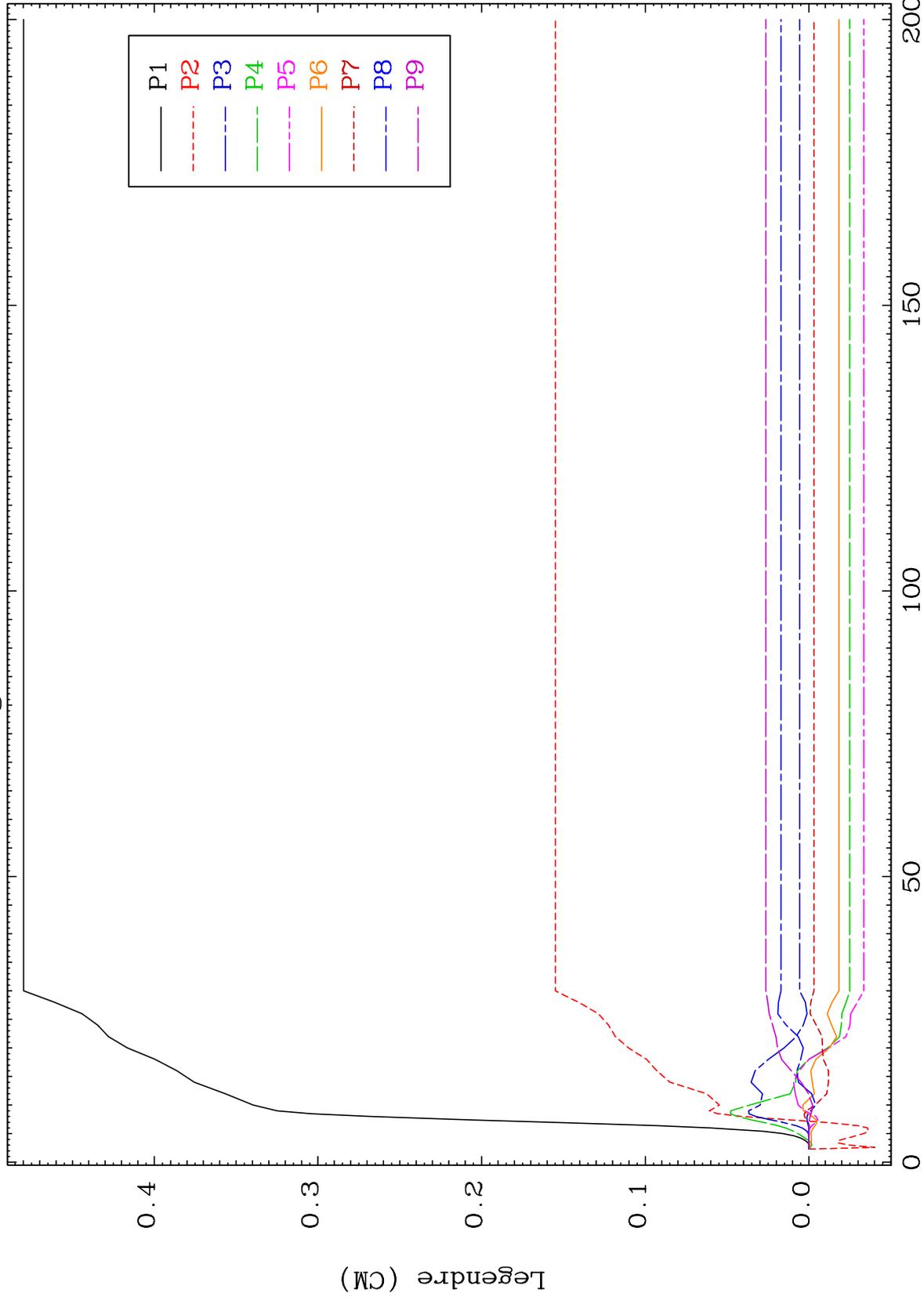
Incident Energy (MeV)

84-Po-208

MAT 8431

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

84-Po-208



76

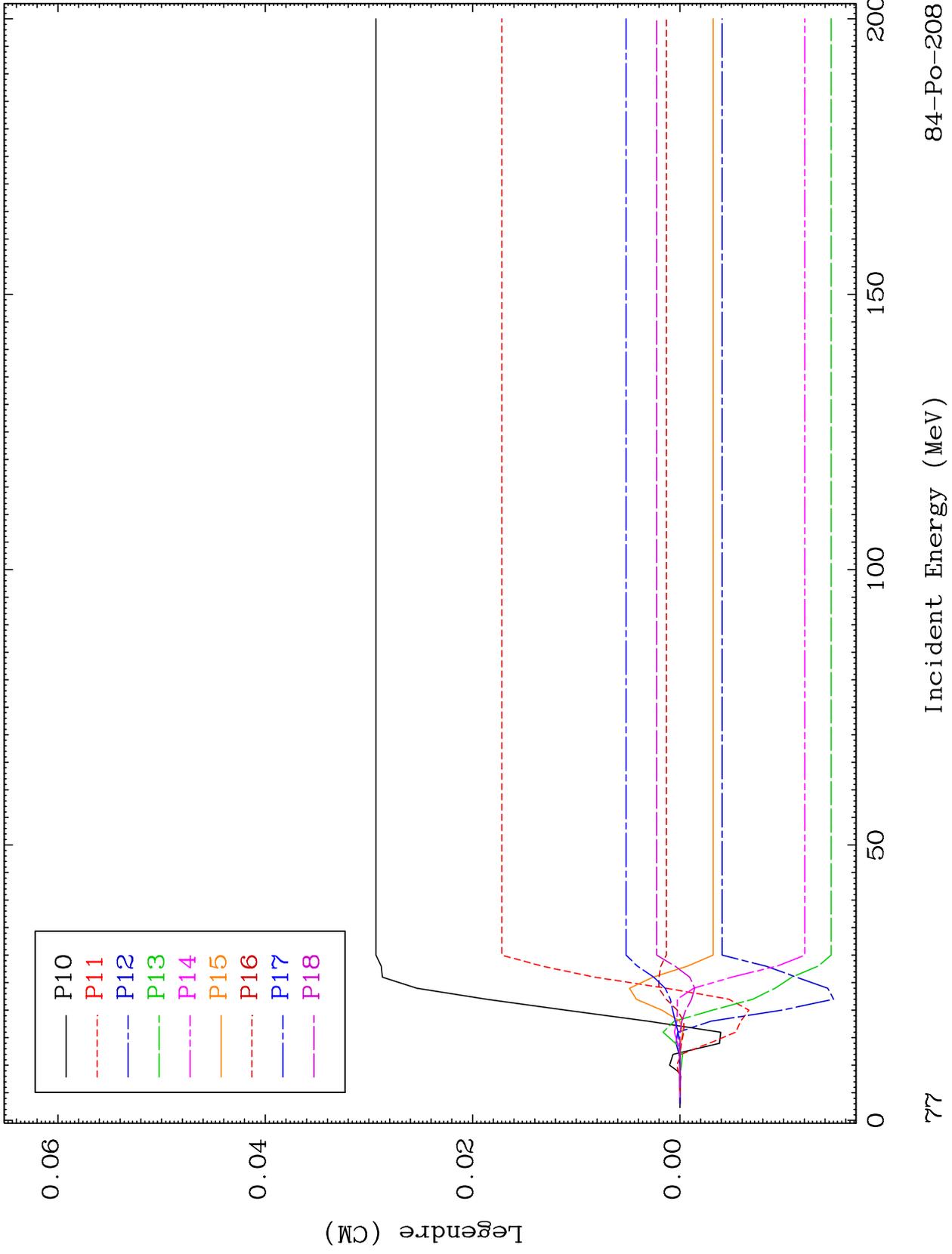
Incident Energy (MeV)

84-Po-208

MAT 8431

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

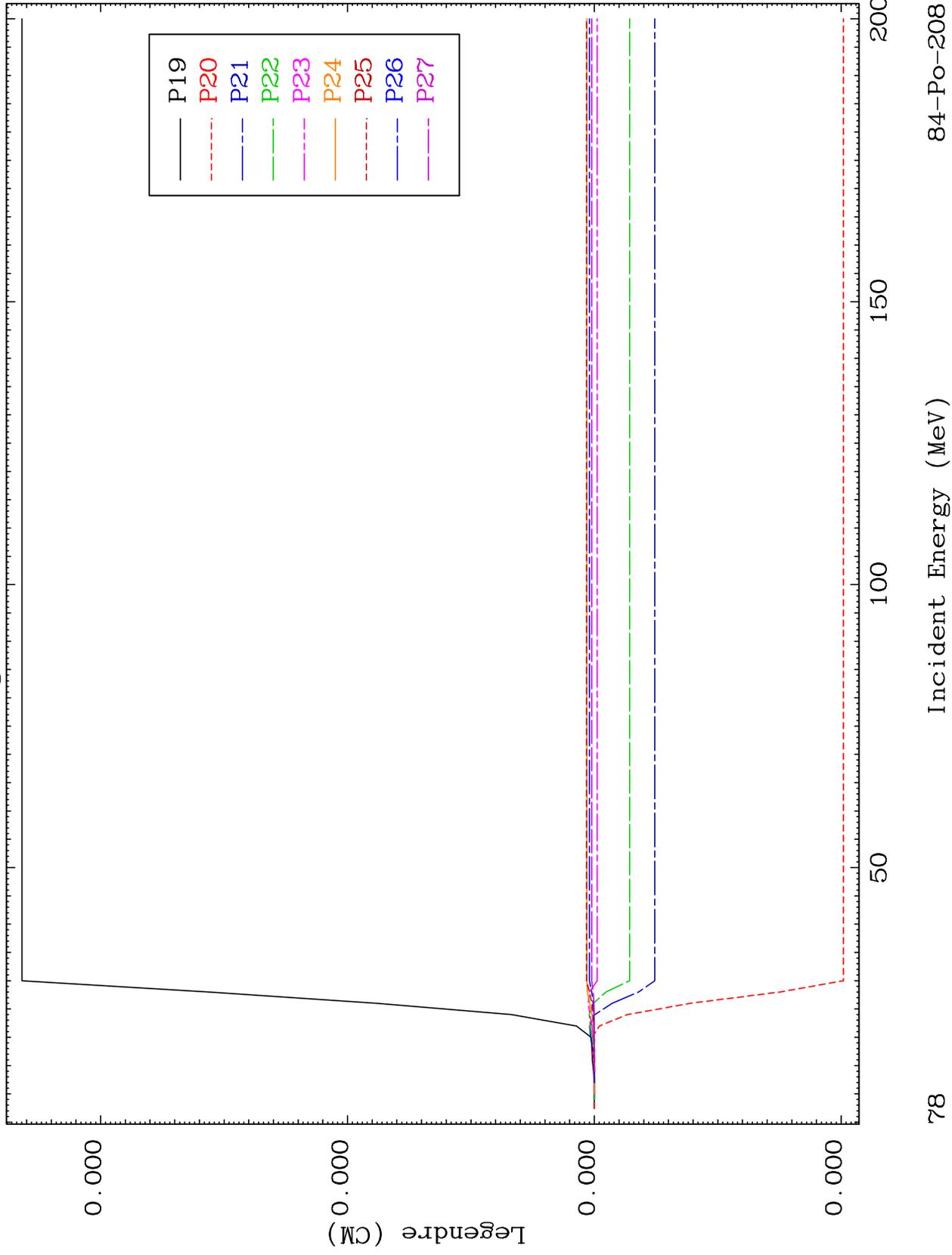
84-Po-208



MAT 8431

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

84-Po-208



78

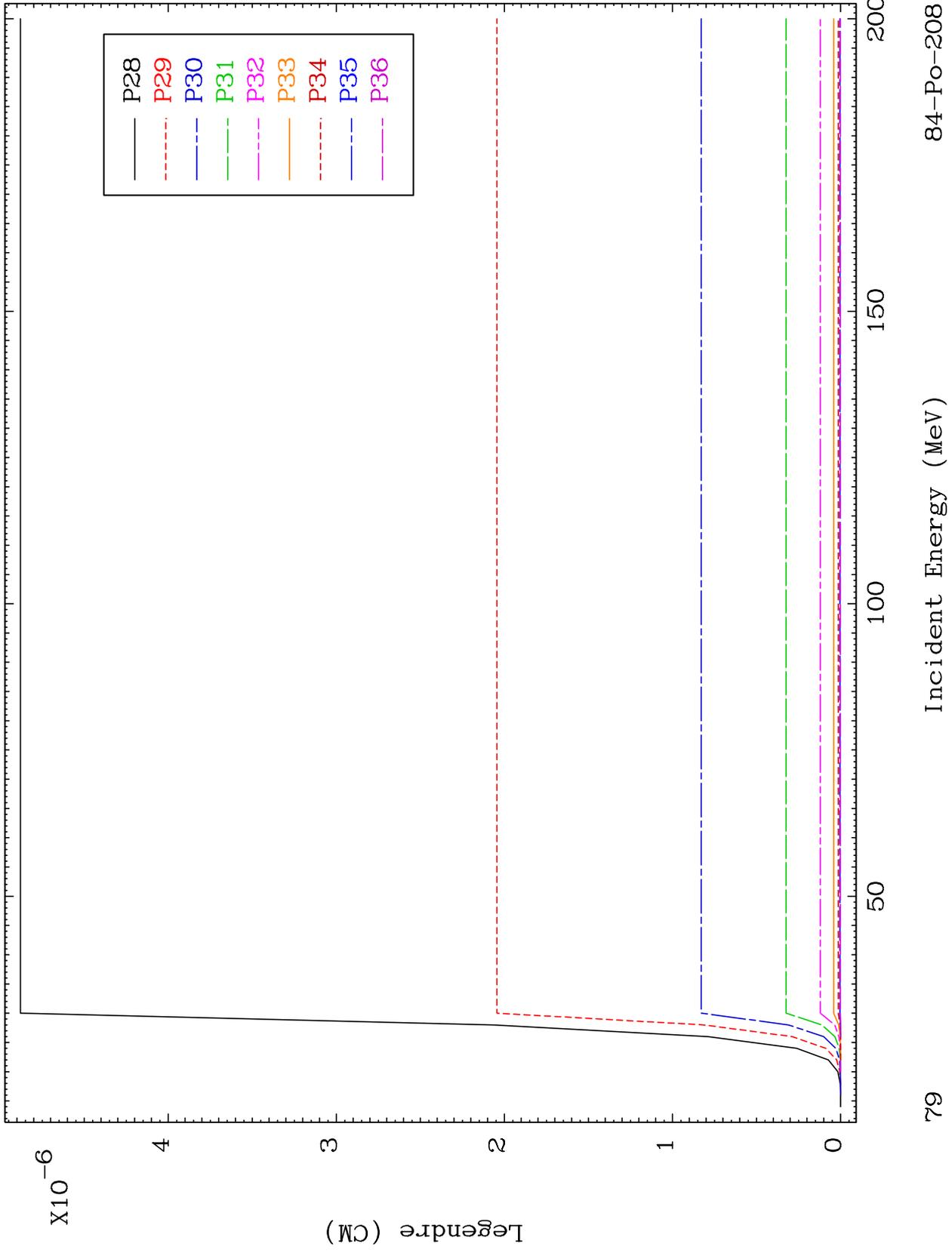
Incident Energy (MeV)

84-Po-208

MAT 8431

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

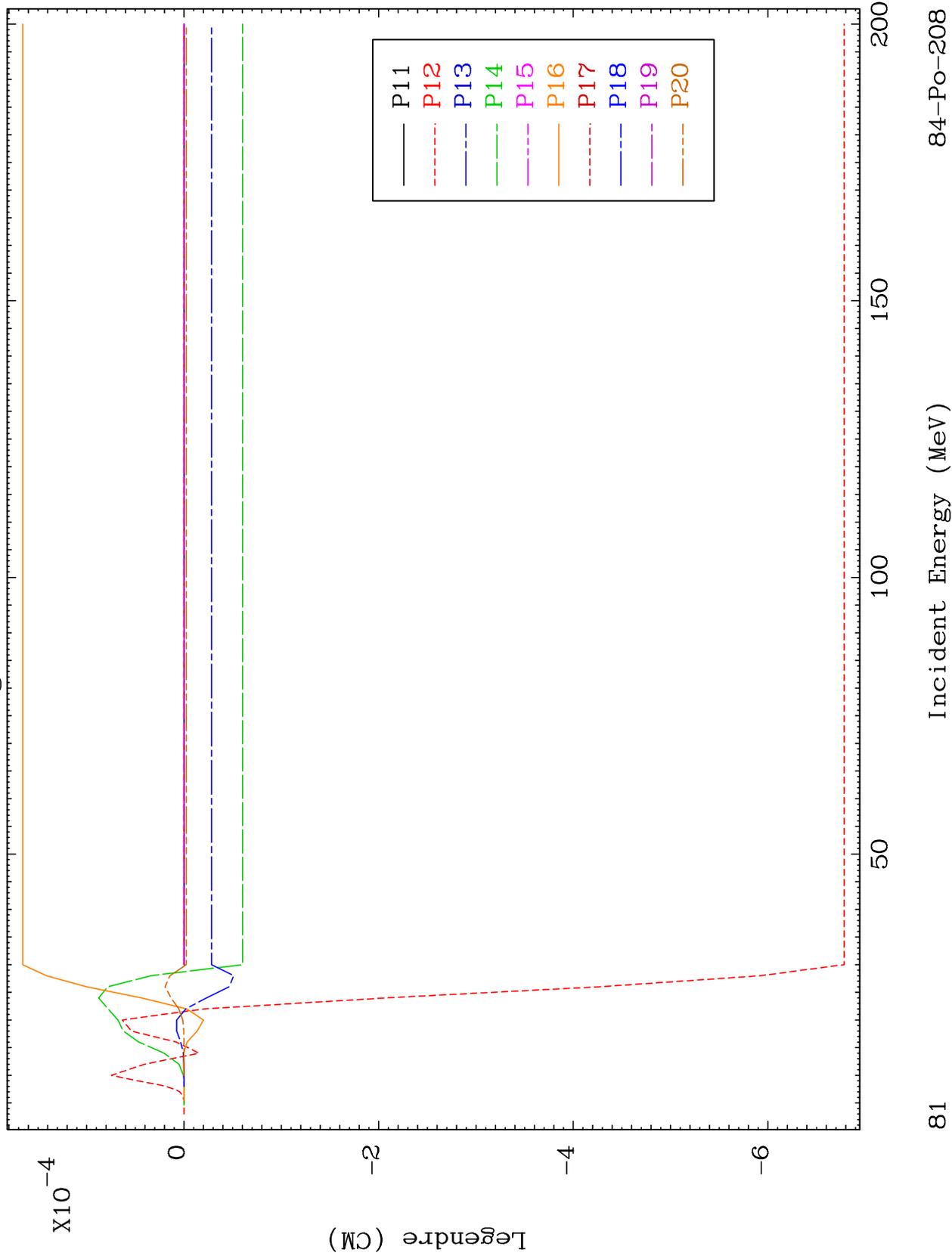
84-Po-208



MAT 8431

84-Po-208

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



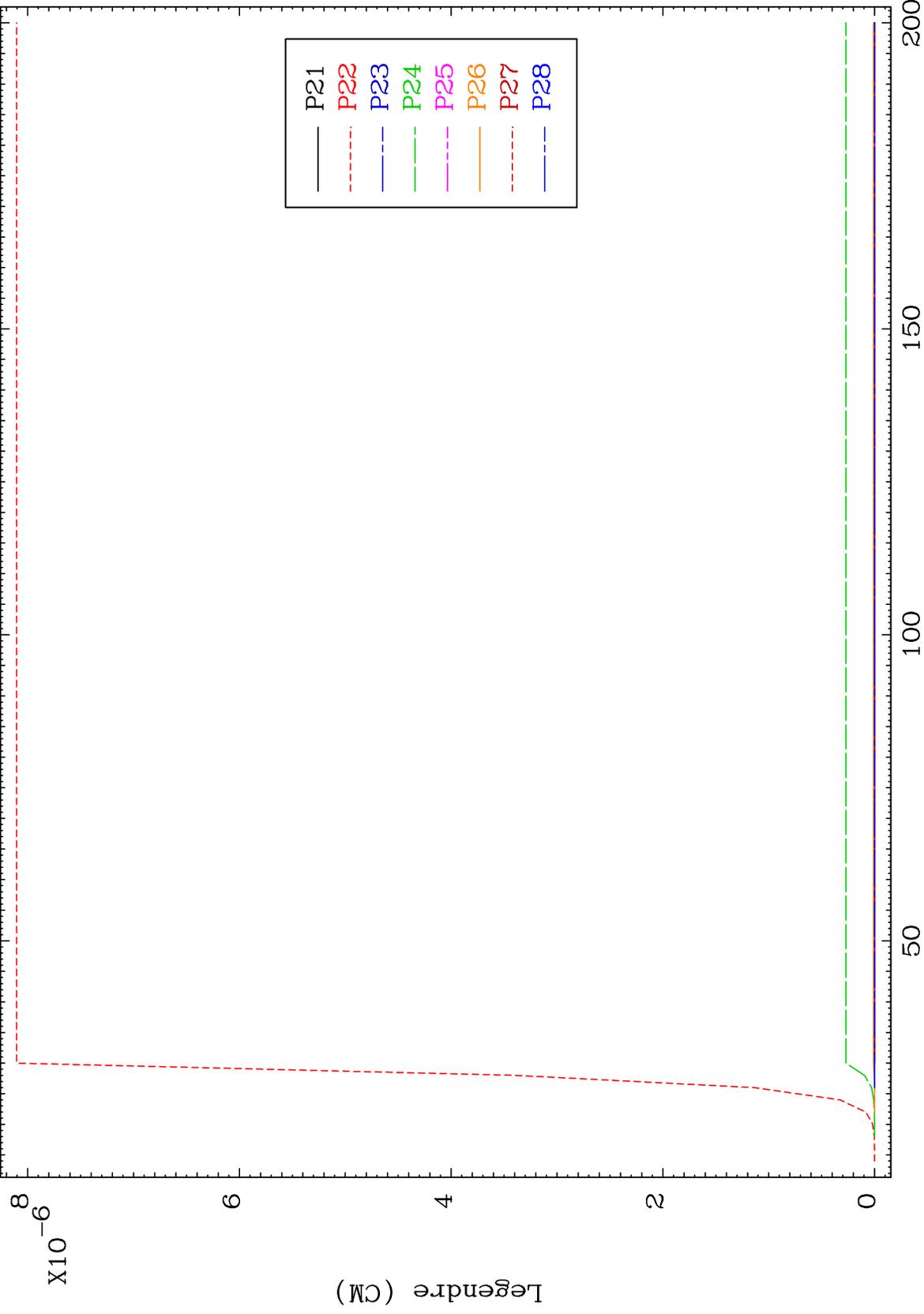
81

84-Po-208

MAT 8431

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

84-Po-208



82

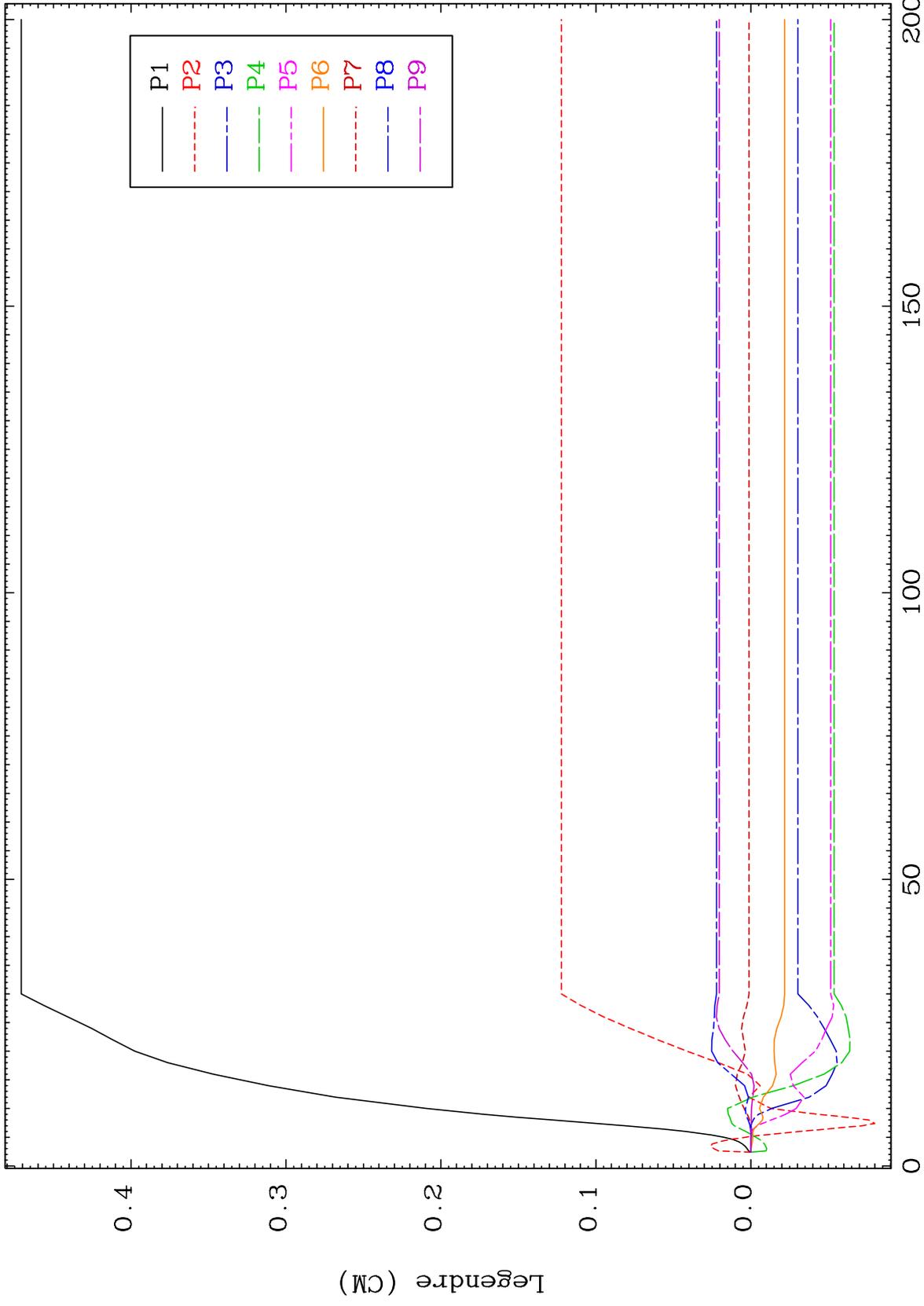
Incident Energy (MeV)

84-Po-208

MAT 8431

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

84-Po-208



83

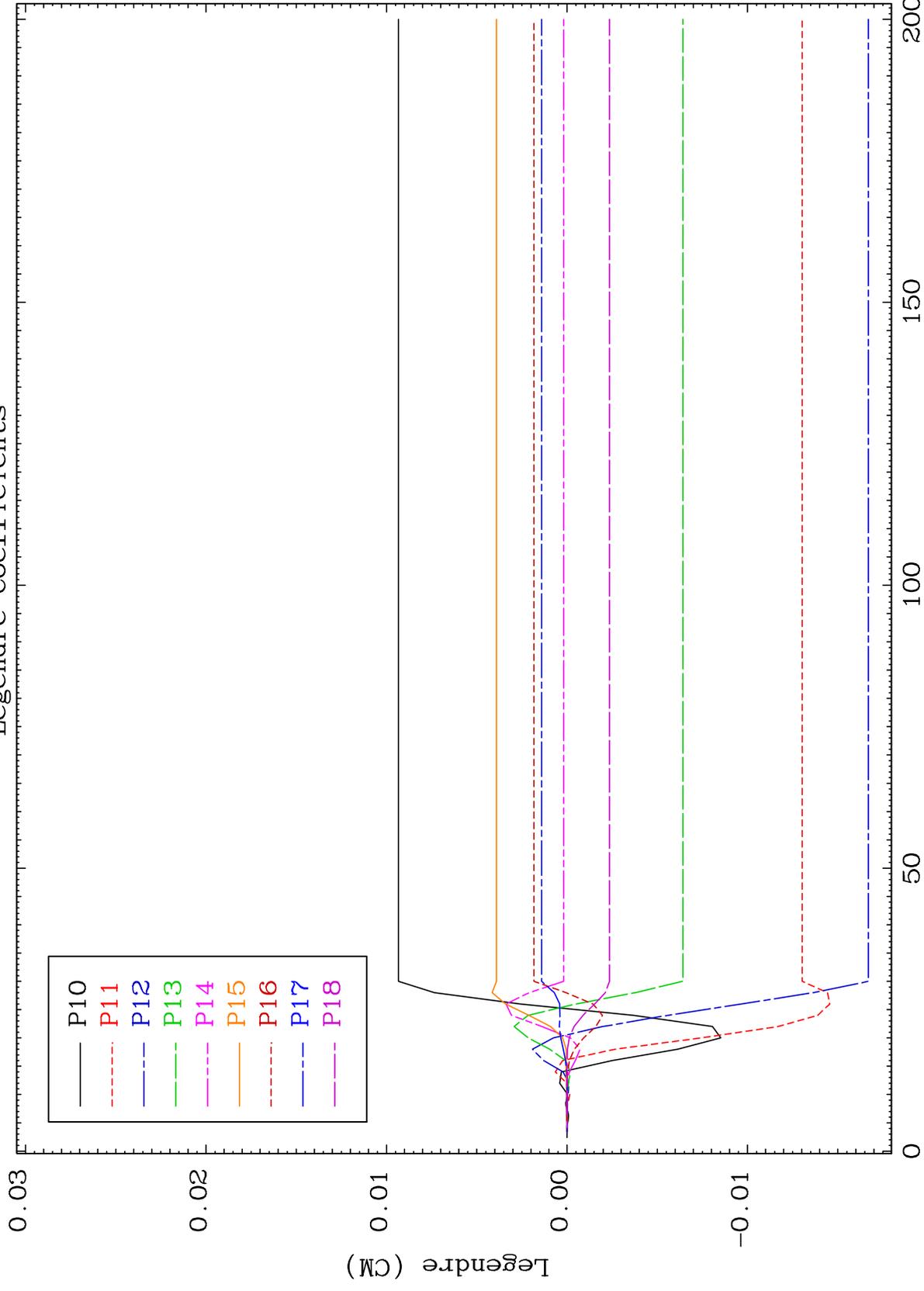
Incident Energy (MeV)

84-Po-208

MAT 8431

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

84-Po-208



84

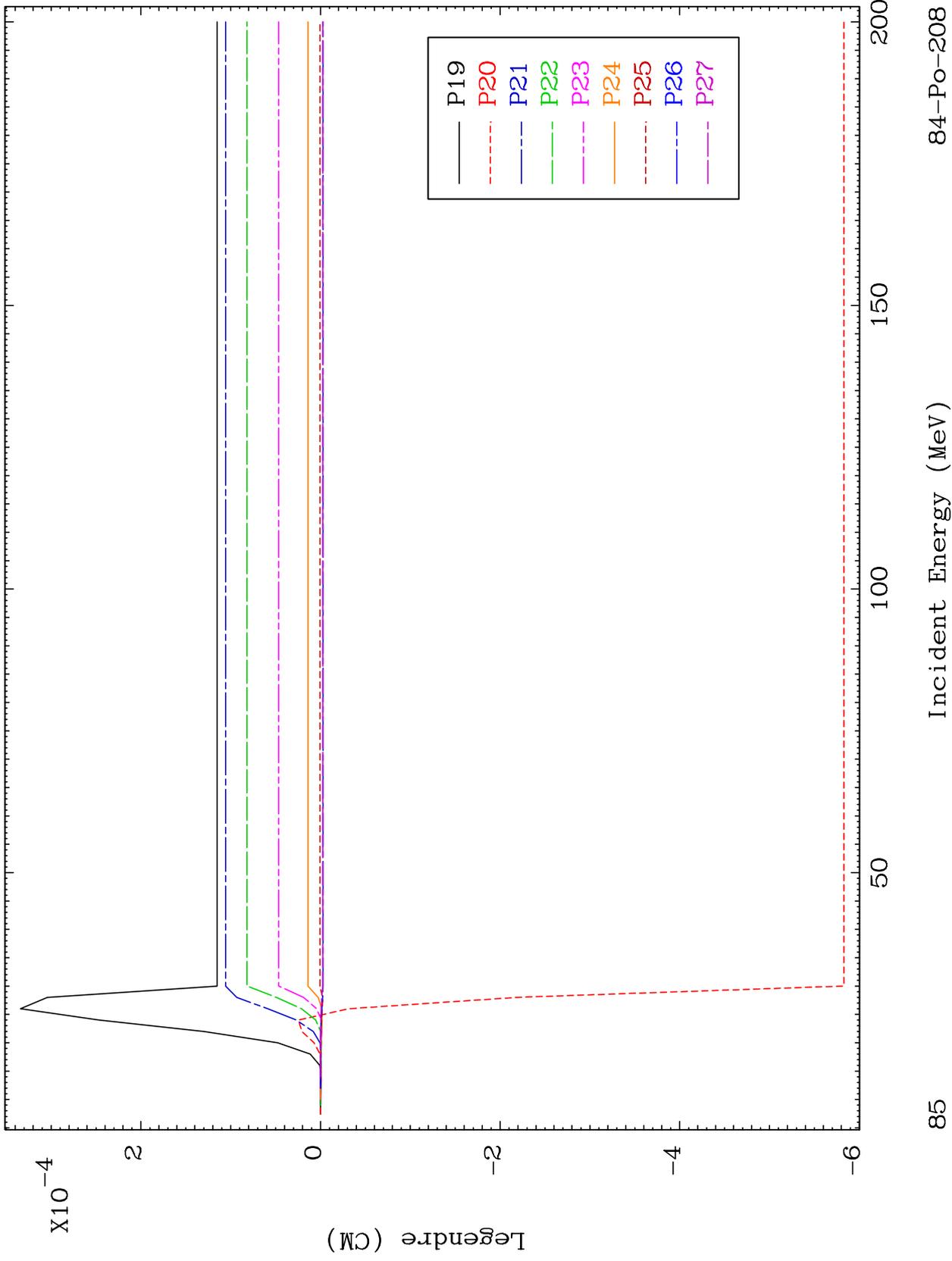
Incident Energy (MeV)

84-Po-208

MAT 8431

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

84-Po-208



85

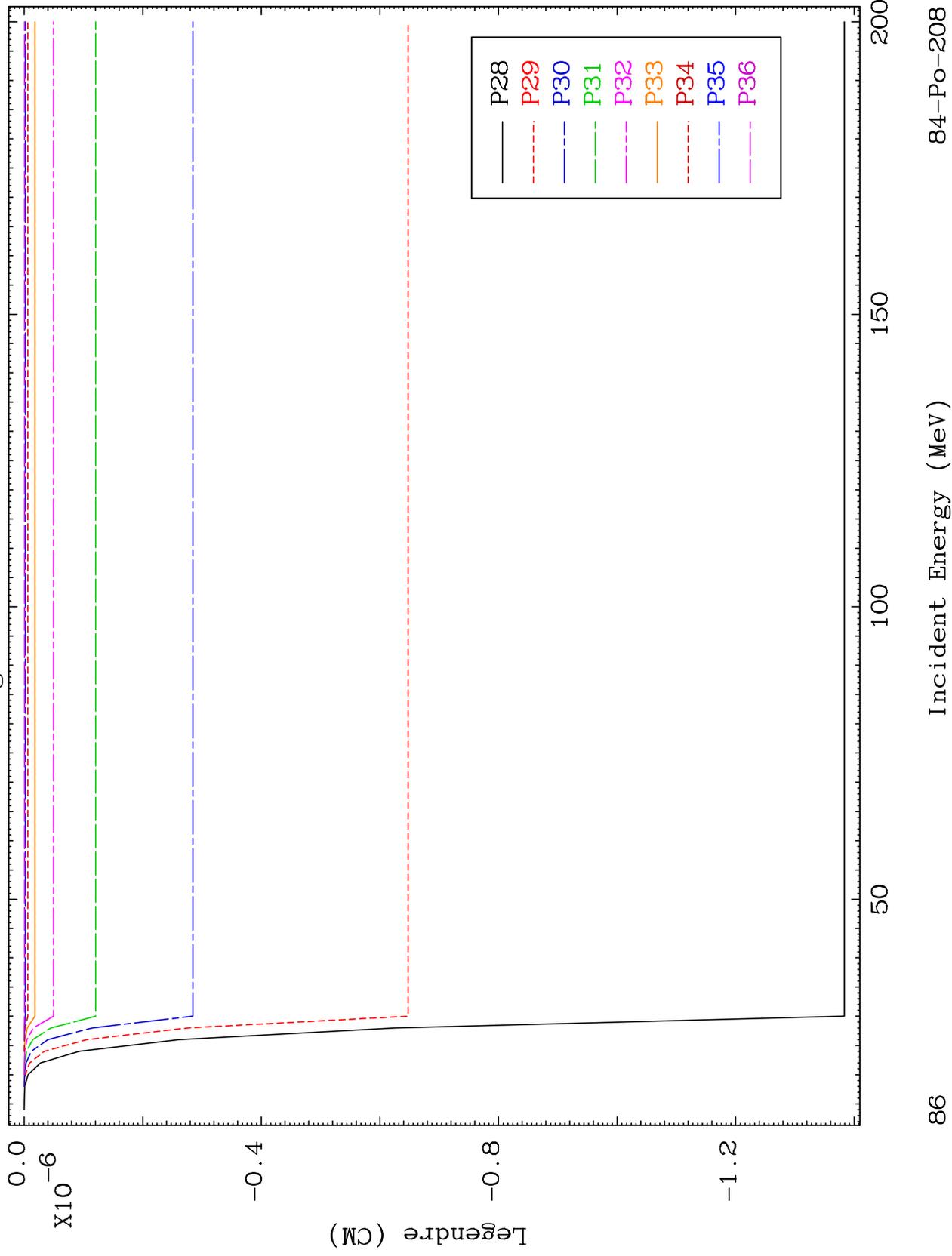
Incident Energy (MeV)

84-Po-208

MAT 8431

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

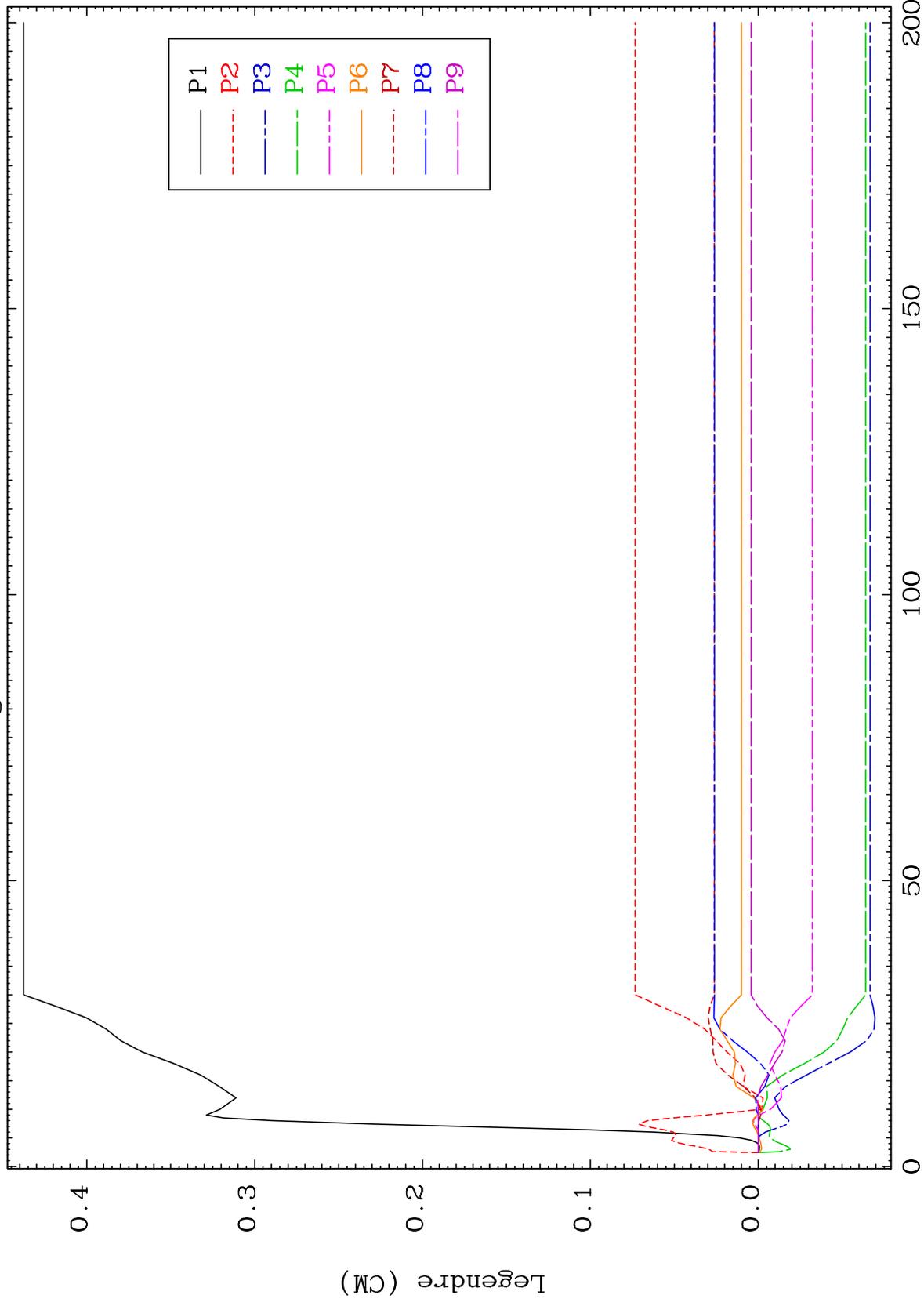
84-Po-208



MAT 8431

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

84-Po-208



87

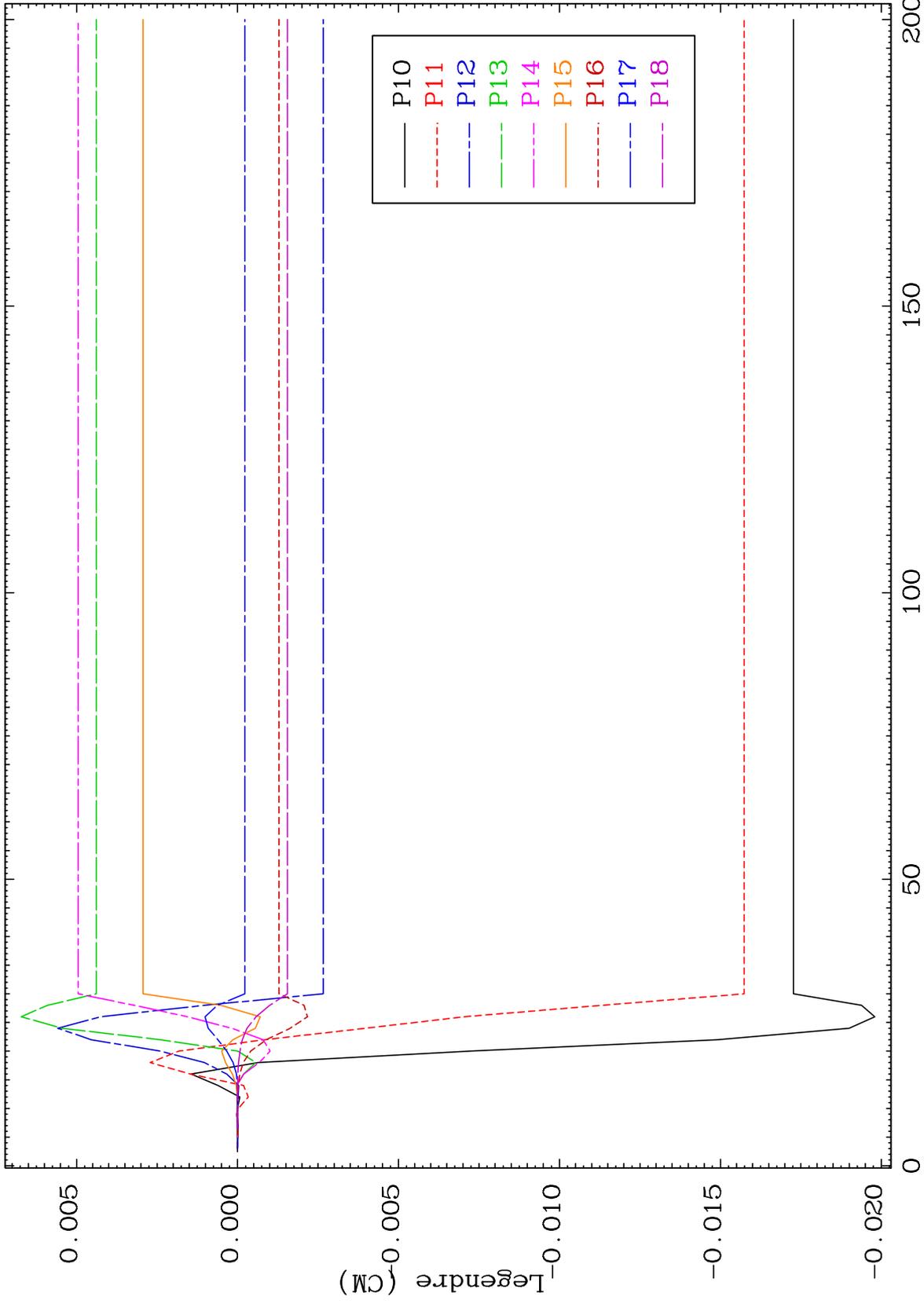
Incident Energy (MeV)

84-Po-208

MAT 8431

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

84-Po-208



88

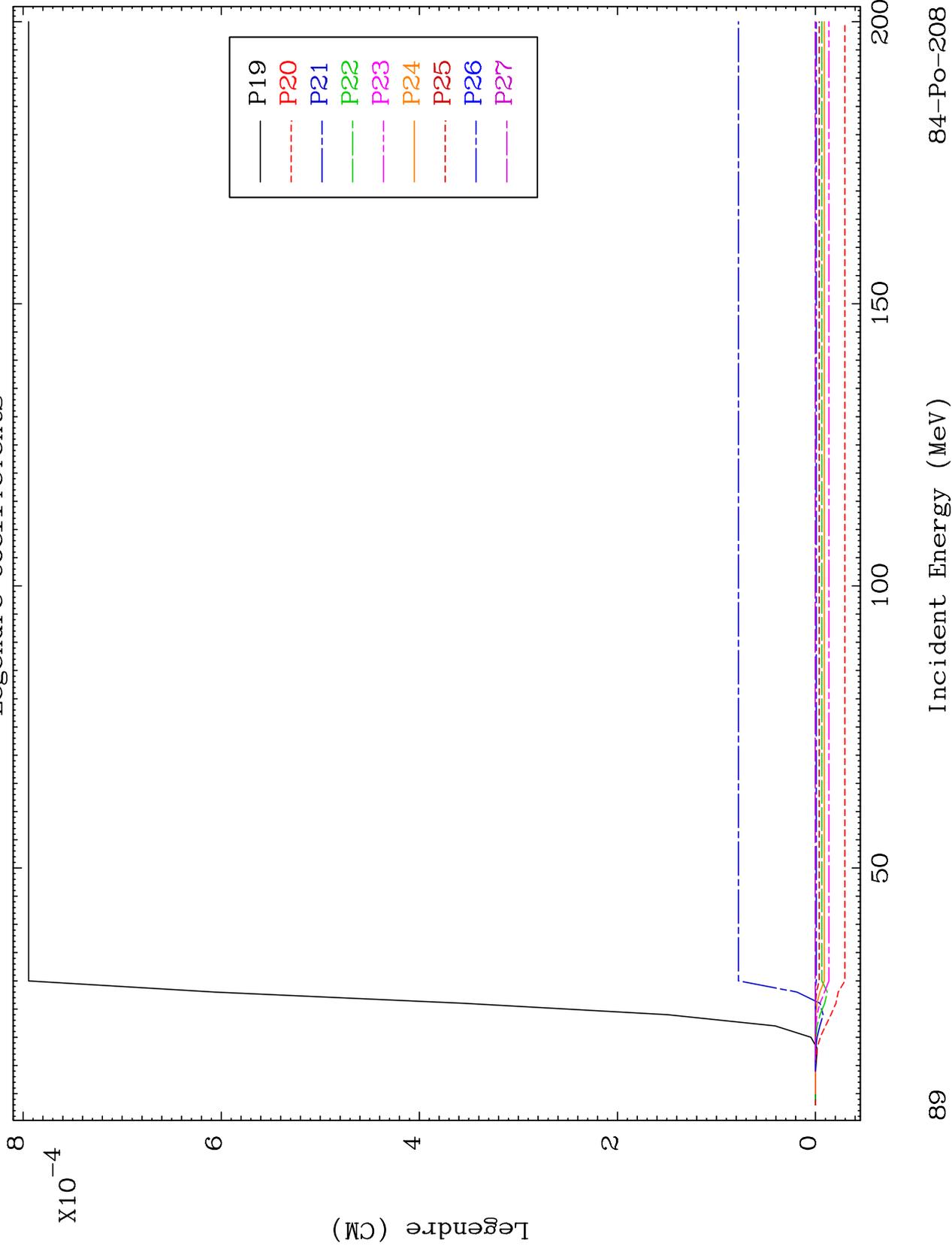
Incident Energy (MeV)

84-Po-208

MAT 8431

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

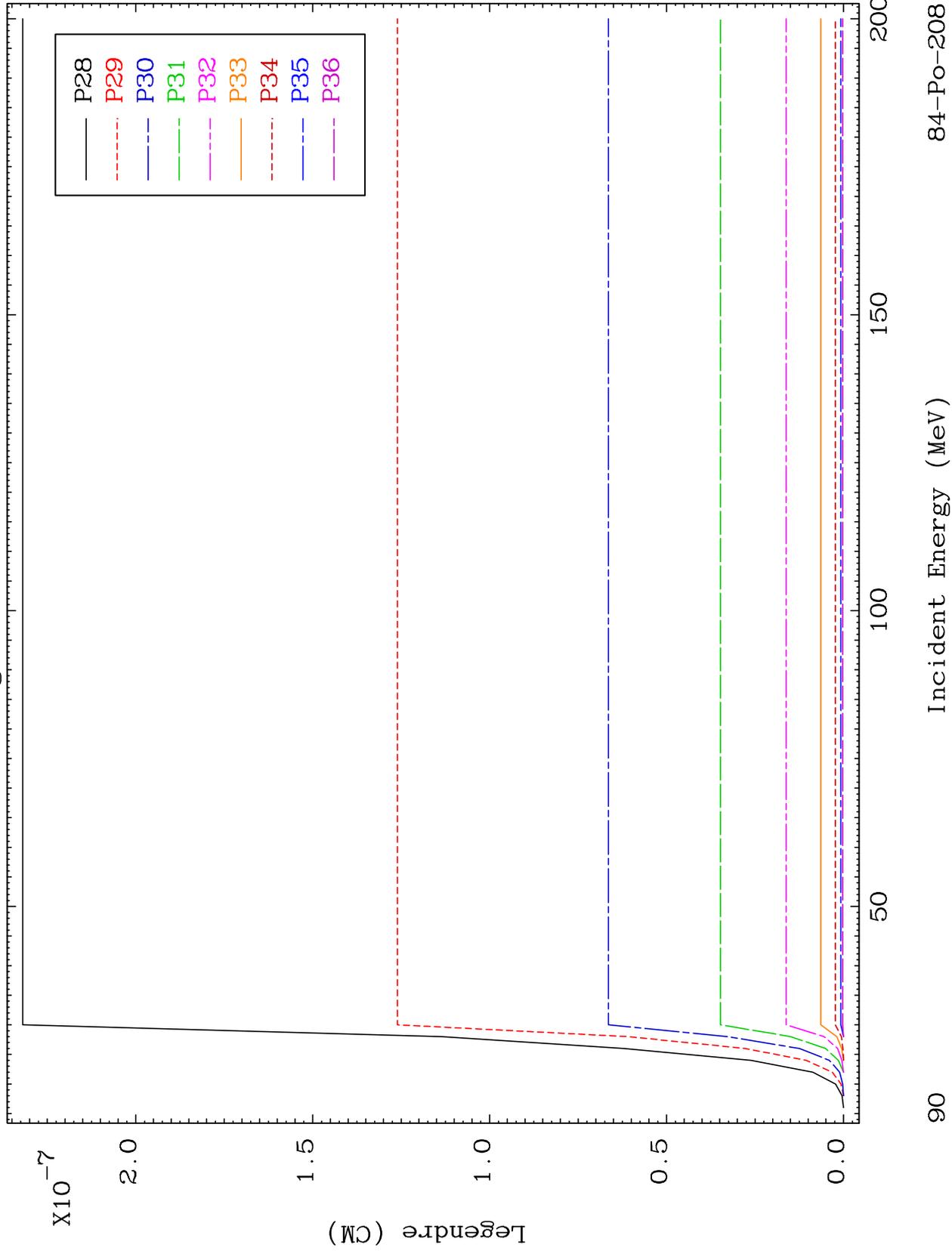
84-Po-208



MAT 8431

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

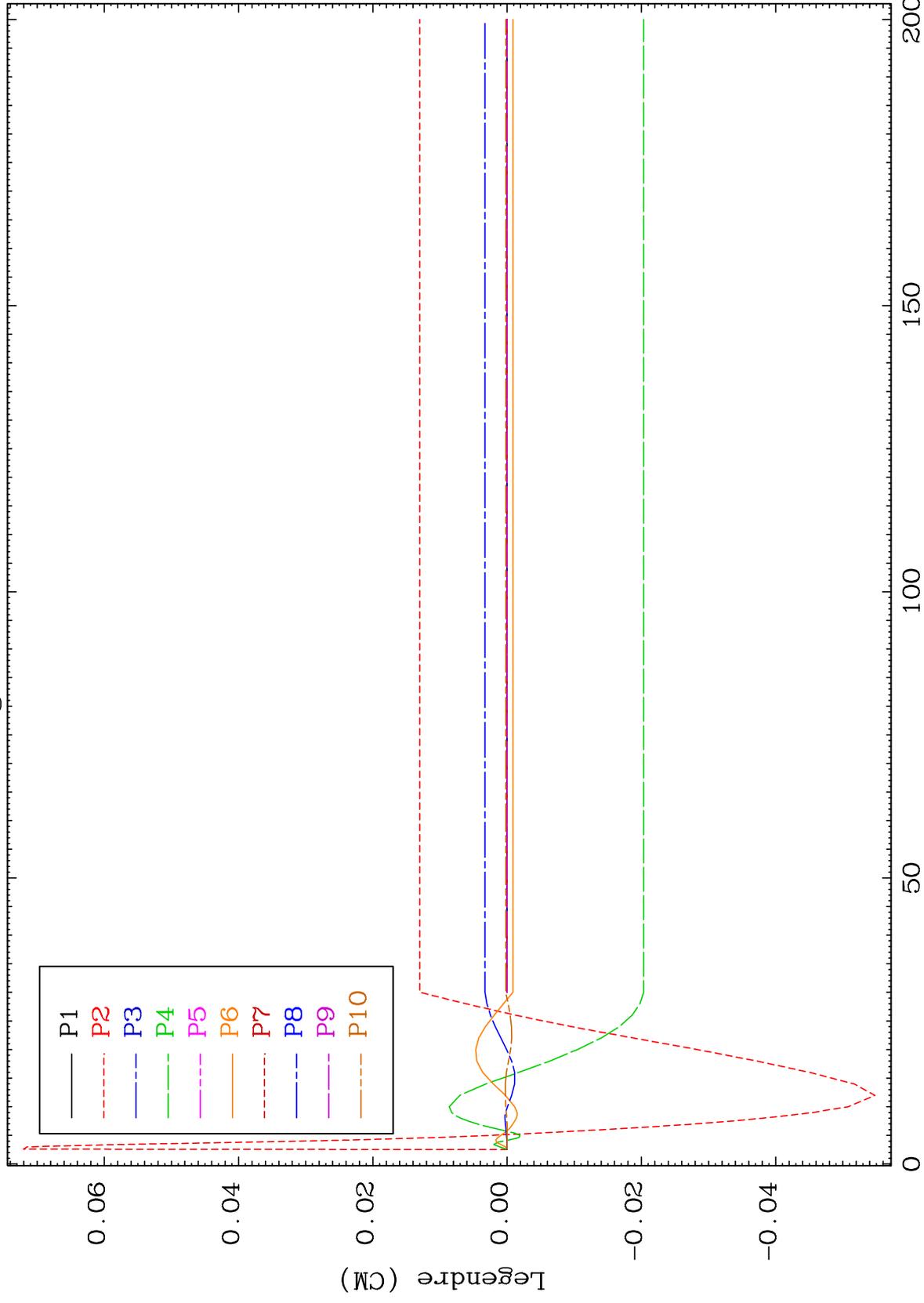
84-Po-208



MAT 8431

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

84-Po-208



91

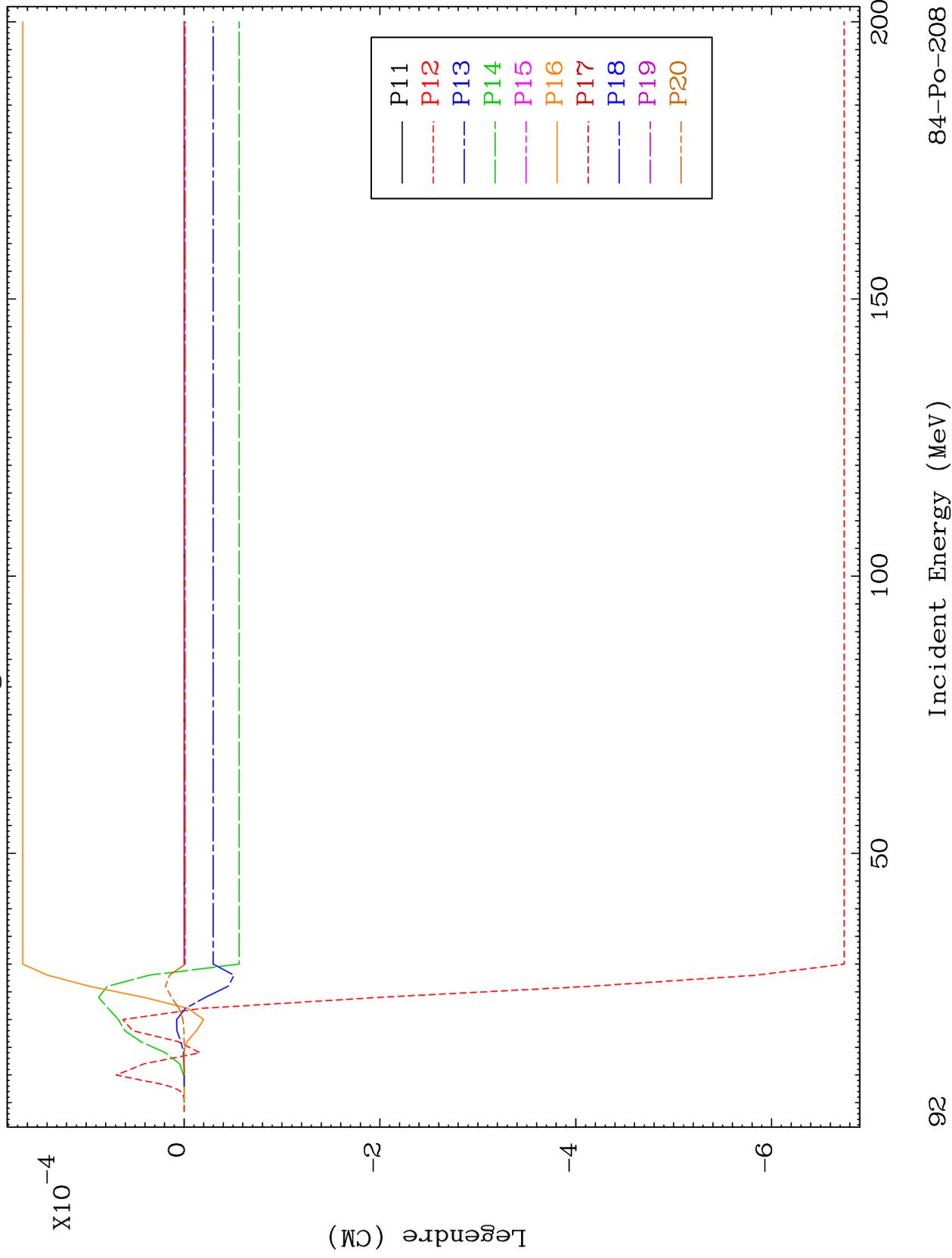
Incident Energy (MeV)

84-Po-208

MAT 8431

84-Po-208

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



92

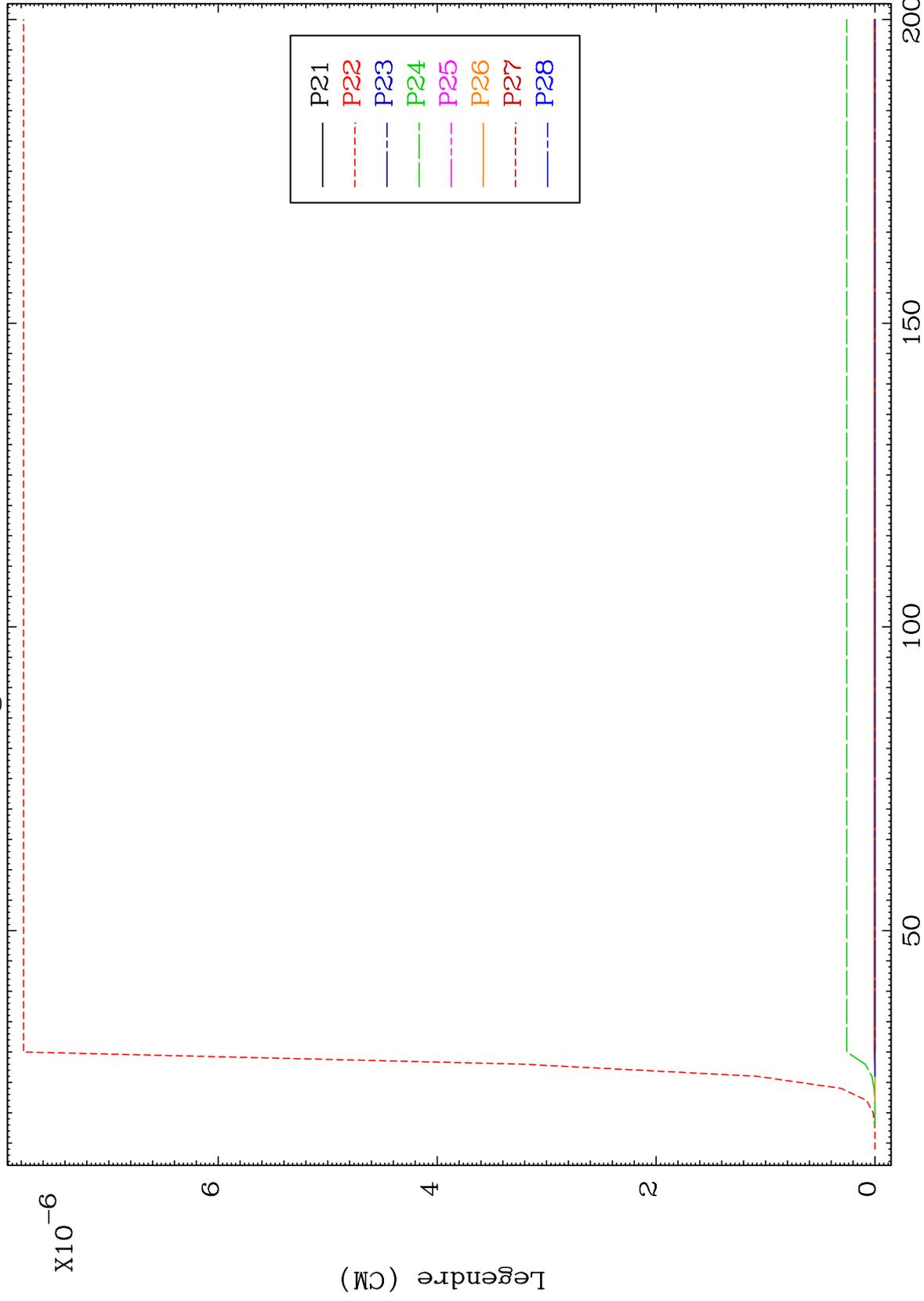
Incident Energy (MeV)

84-Po-208

MAT 8431

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

84-Po-208



93

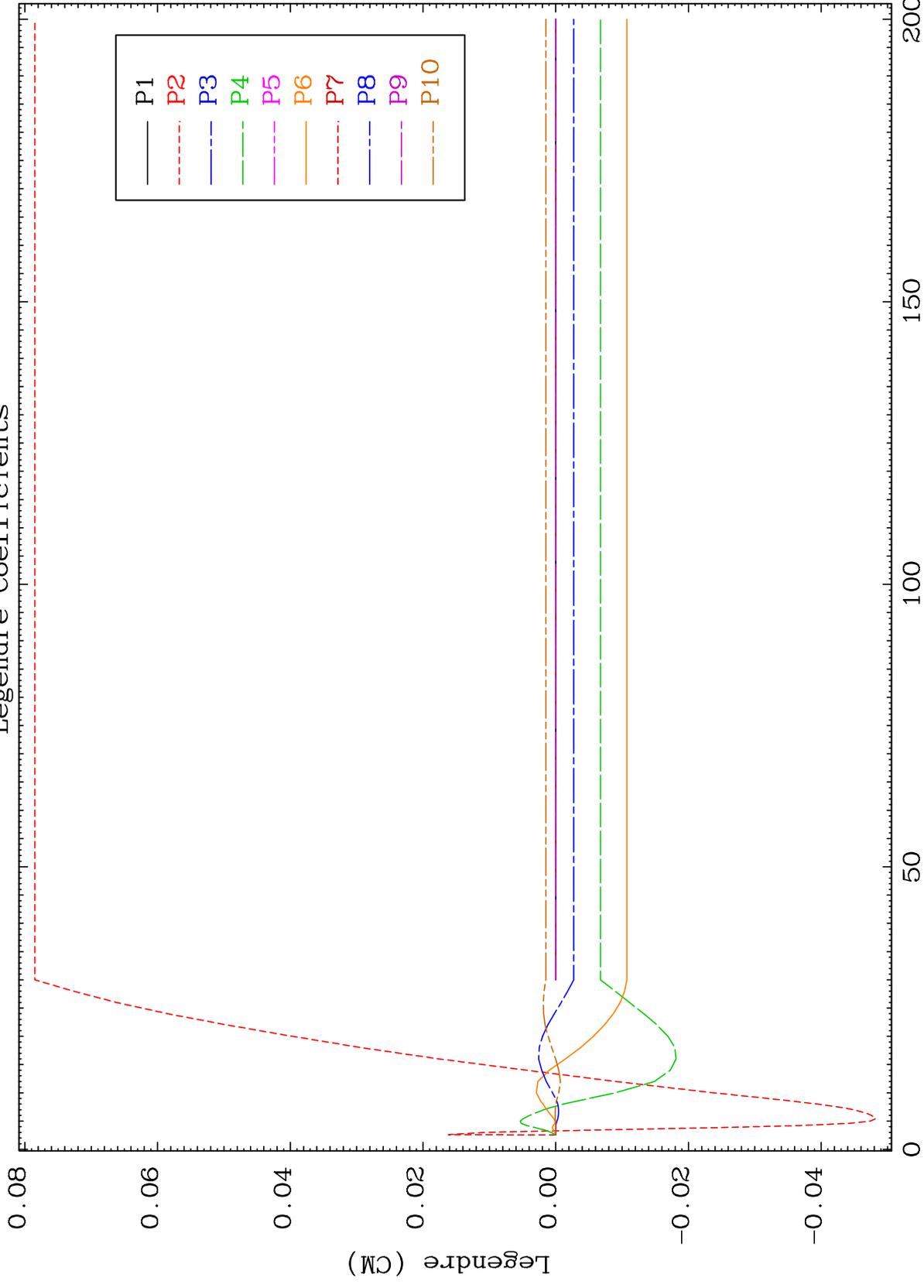
Incident Energy (MeV)

84-Po-208

MAT 8431

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

84-Po-208



94

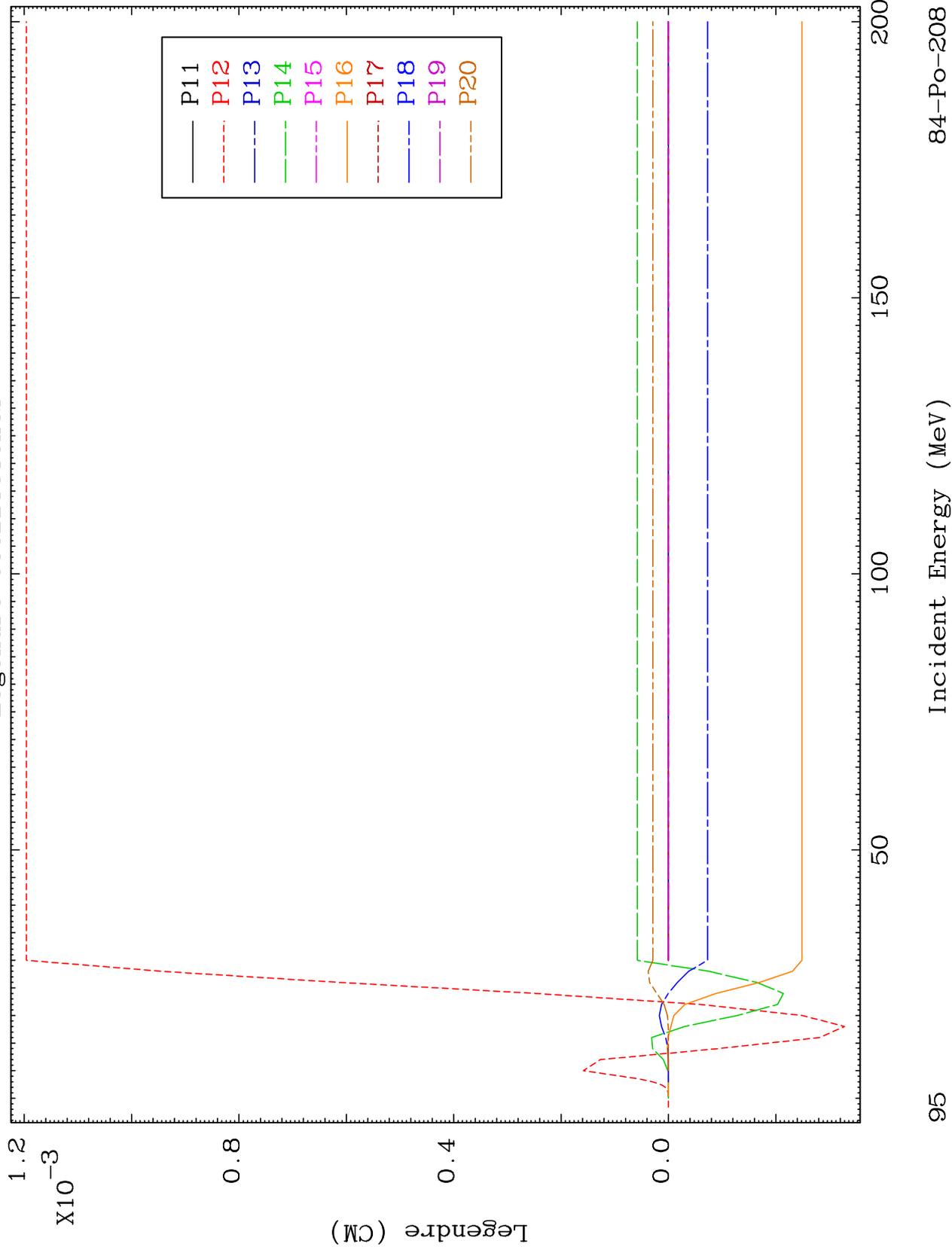
Incident Energy (MeV)

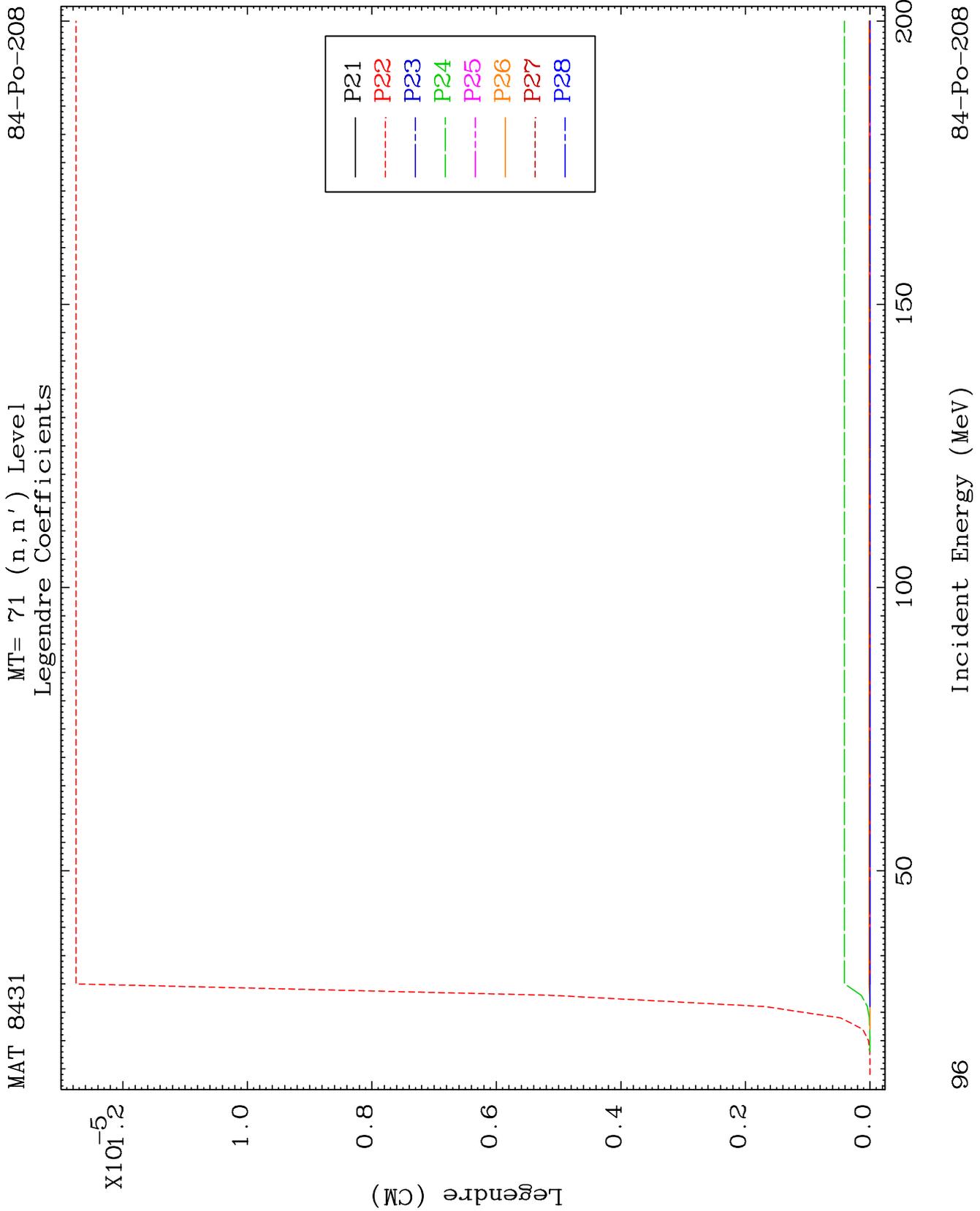
84-Po-208

MAT 8431

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

84-Po-208

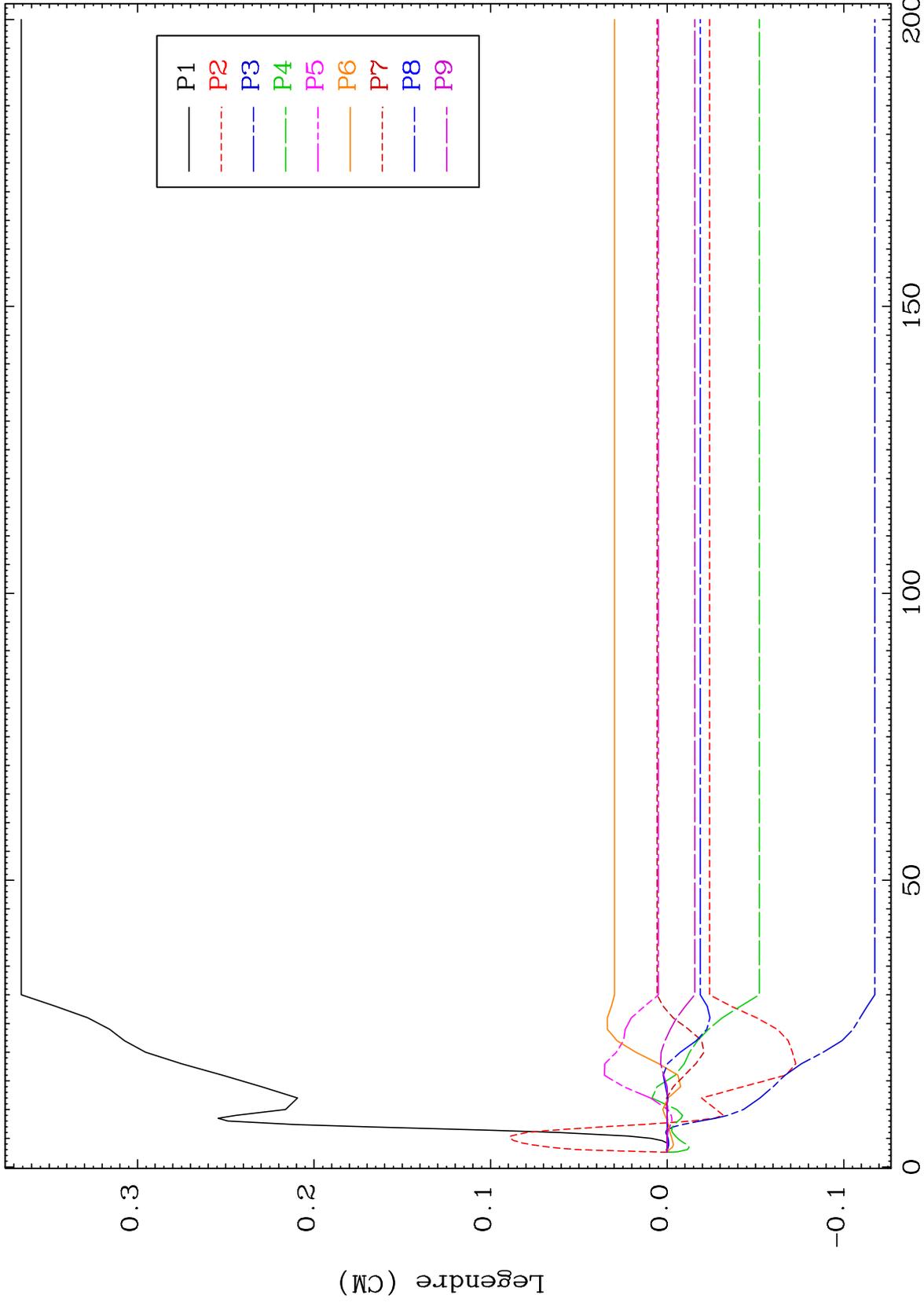




MAT 8431

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

84-Po-208



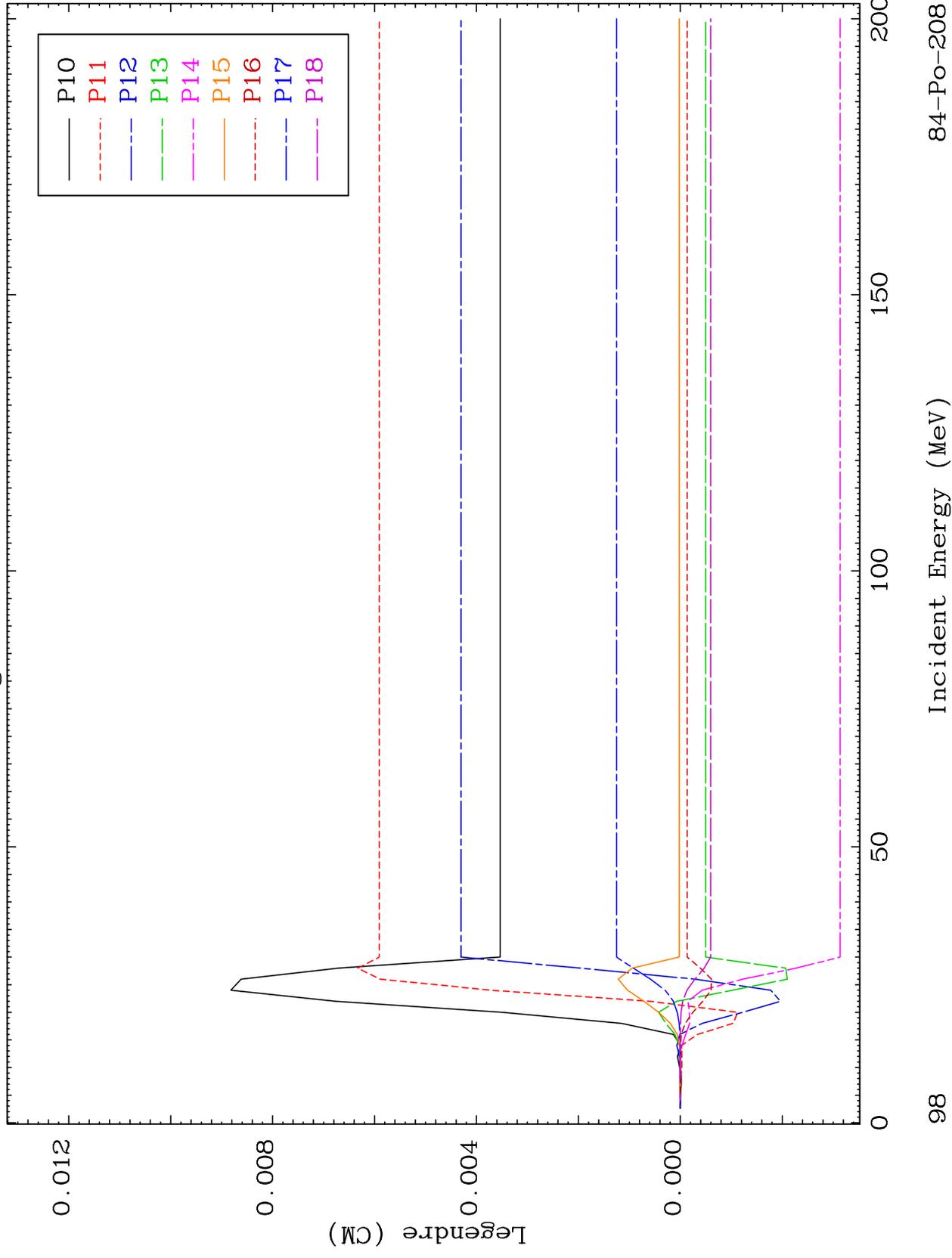
97

84-Po-208

MAT 8431

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

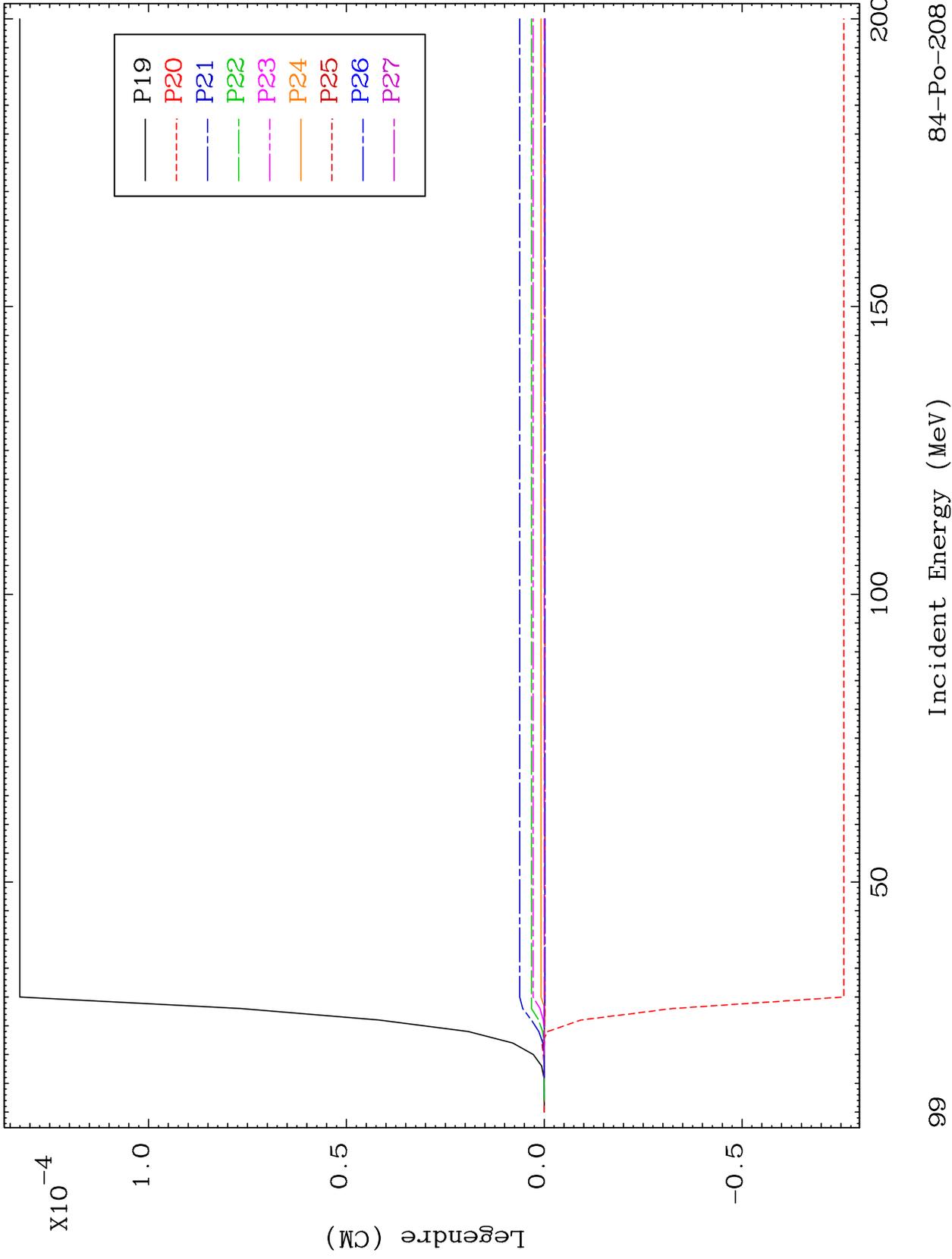
84-Po-208



98

Incident Energy (MeV)

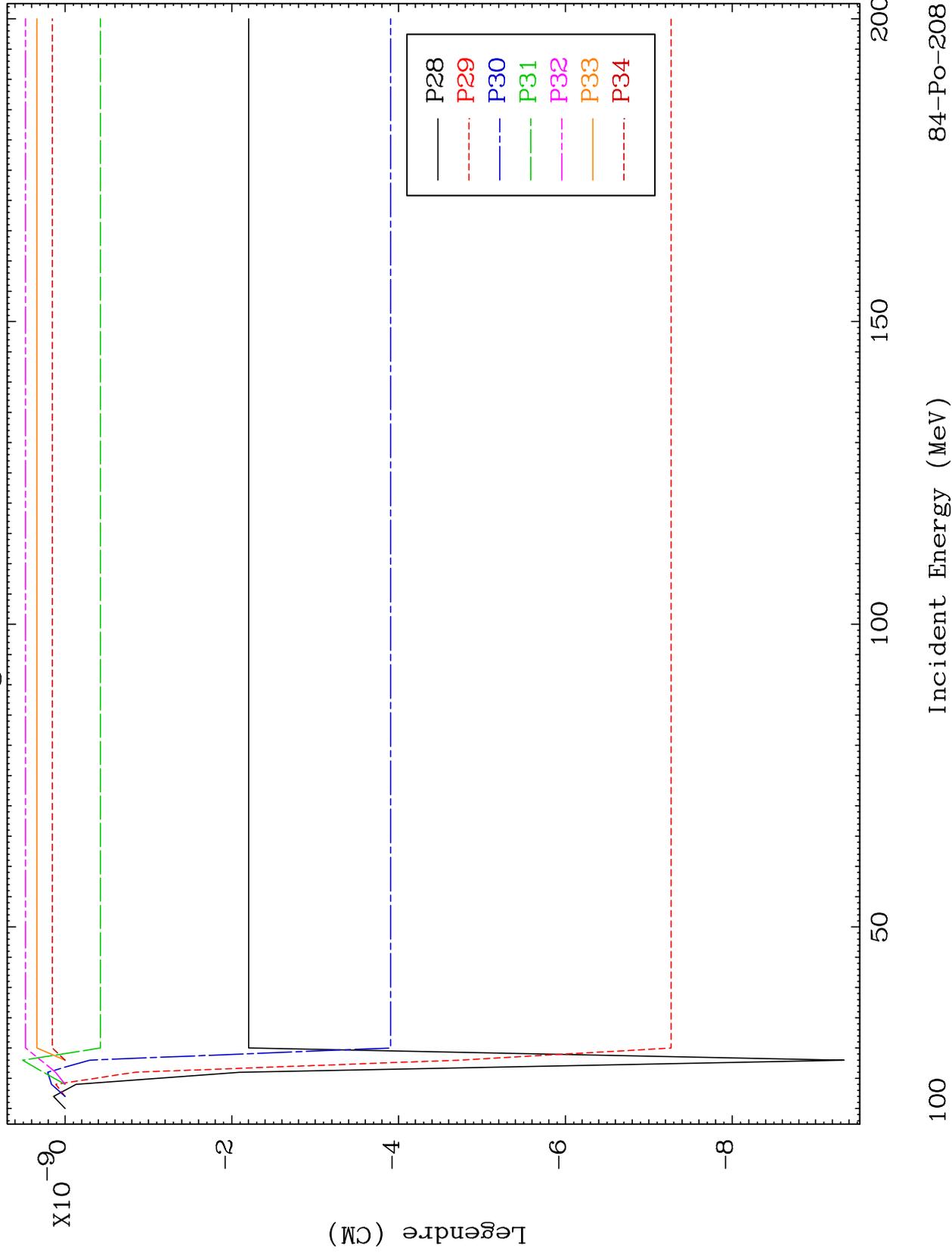
84-Po-208



MAT 8431

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

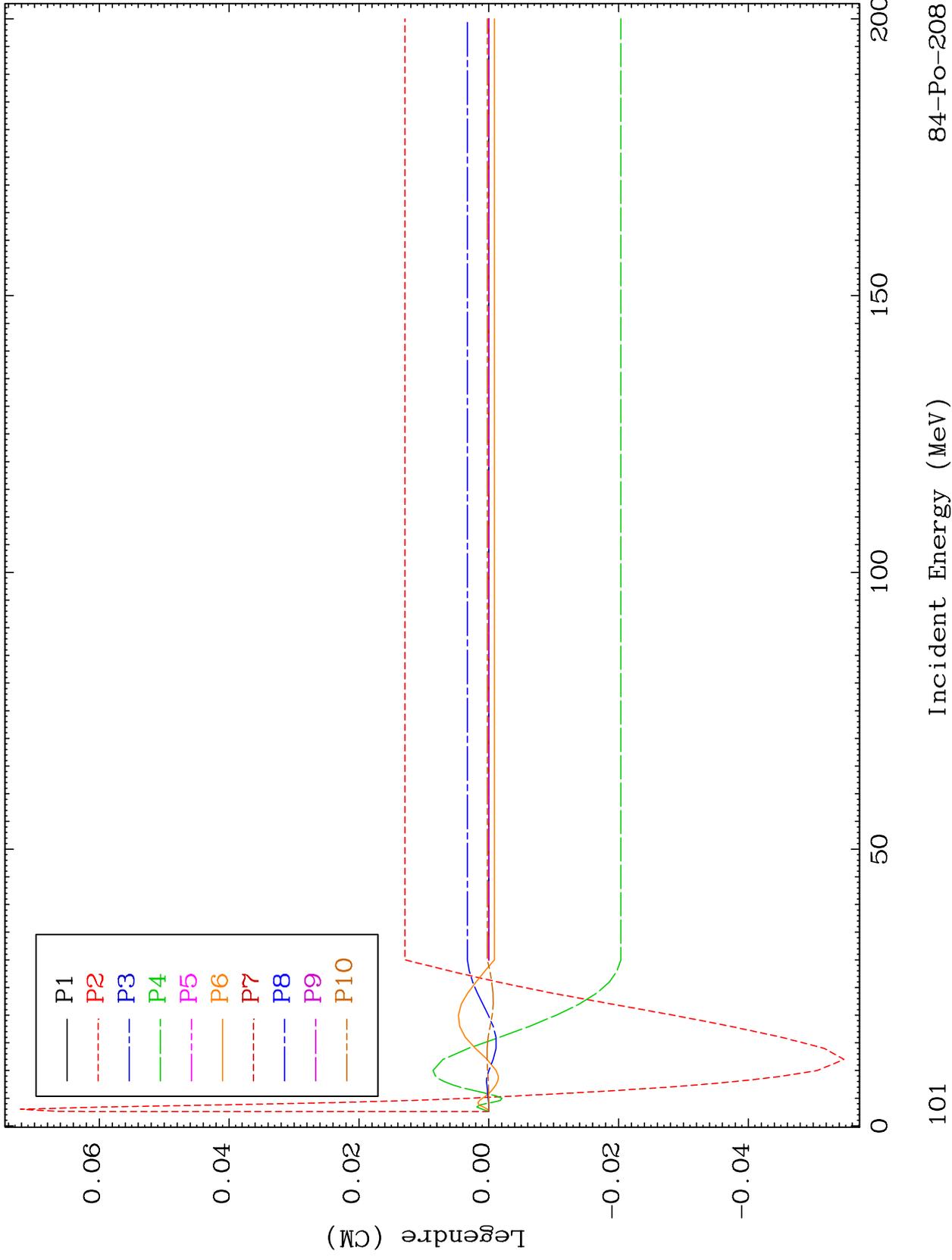
84-Po-208



MAT 8431

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

84-Po-208



101

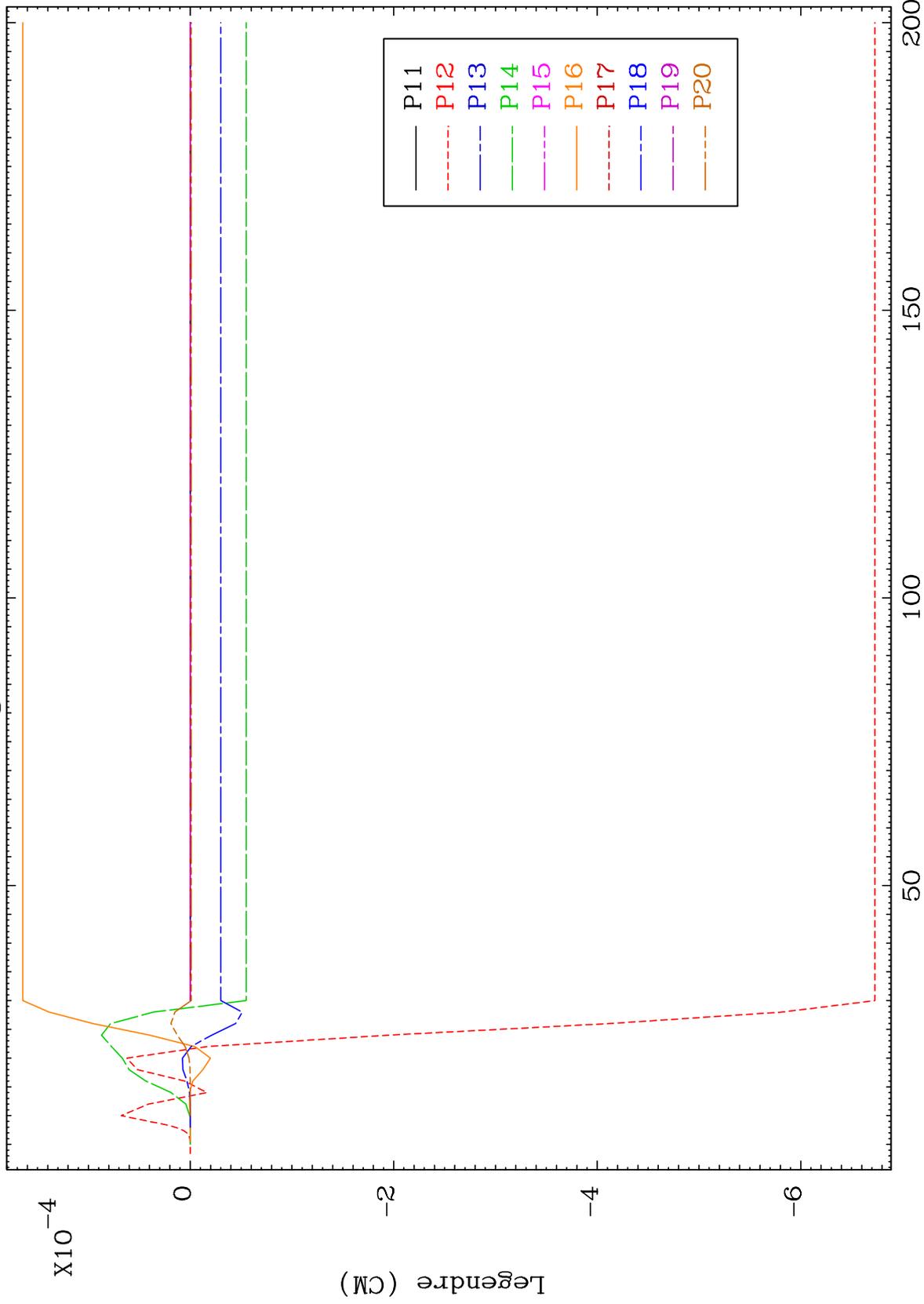
Incident Energy (MeV)

84-Po-208

MAT 8431

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

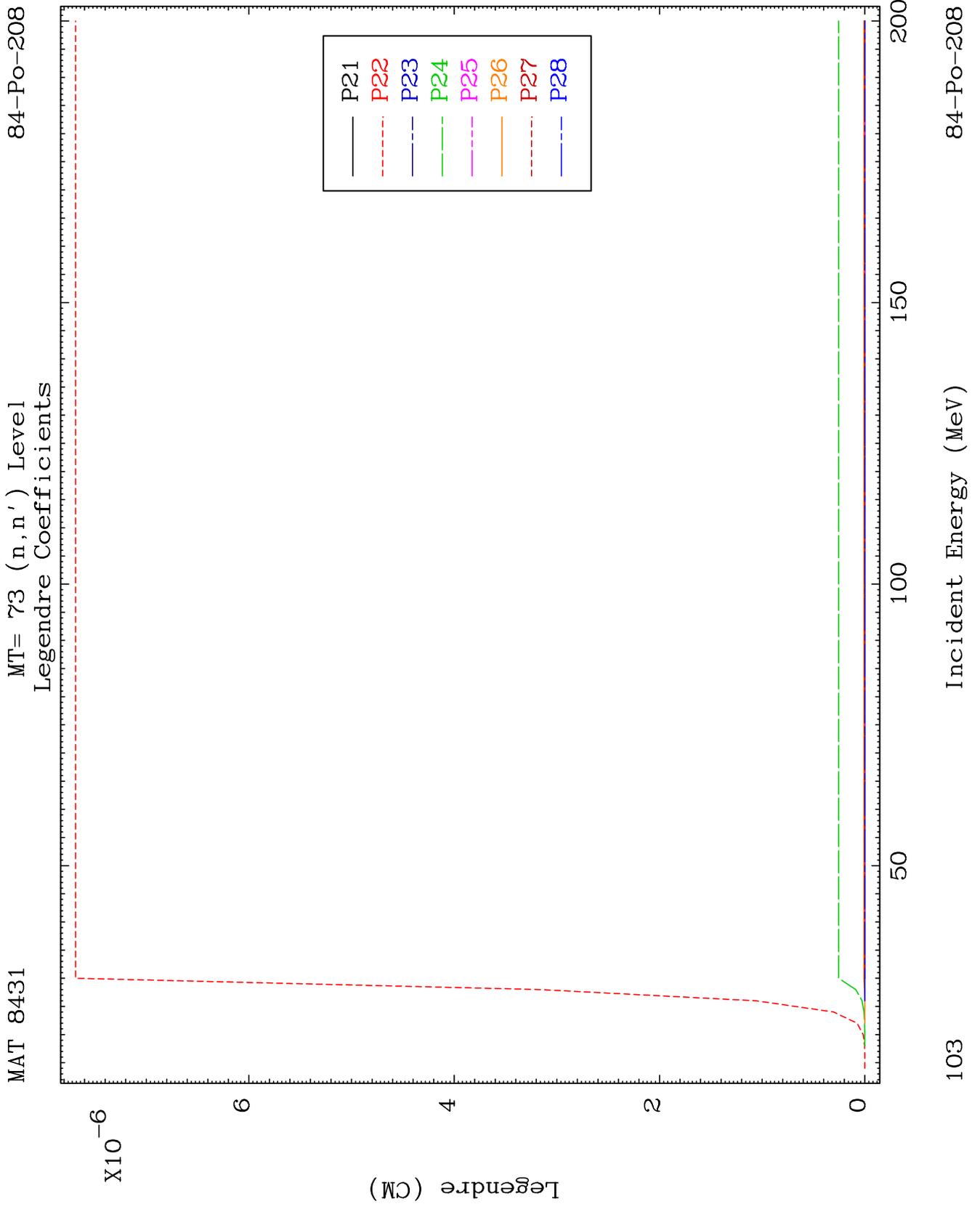
84-Po-208



102

Incident Energy (MeV)

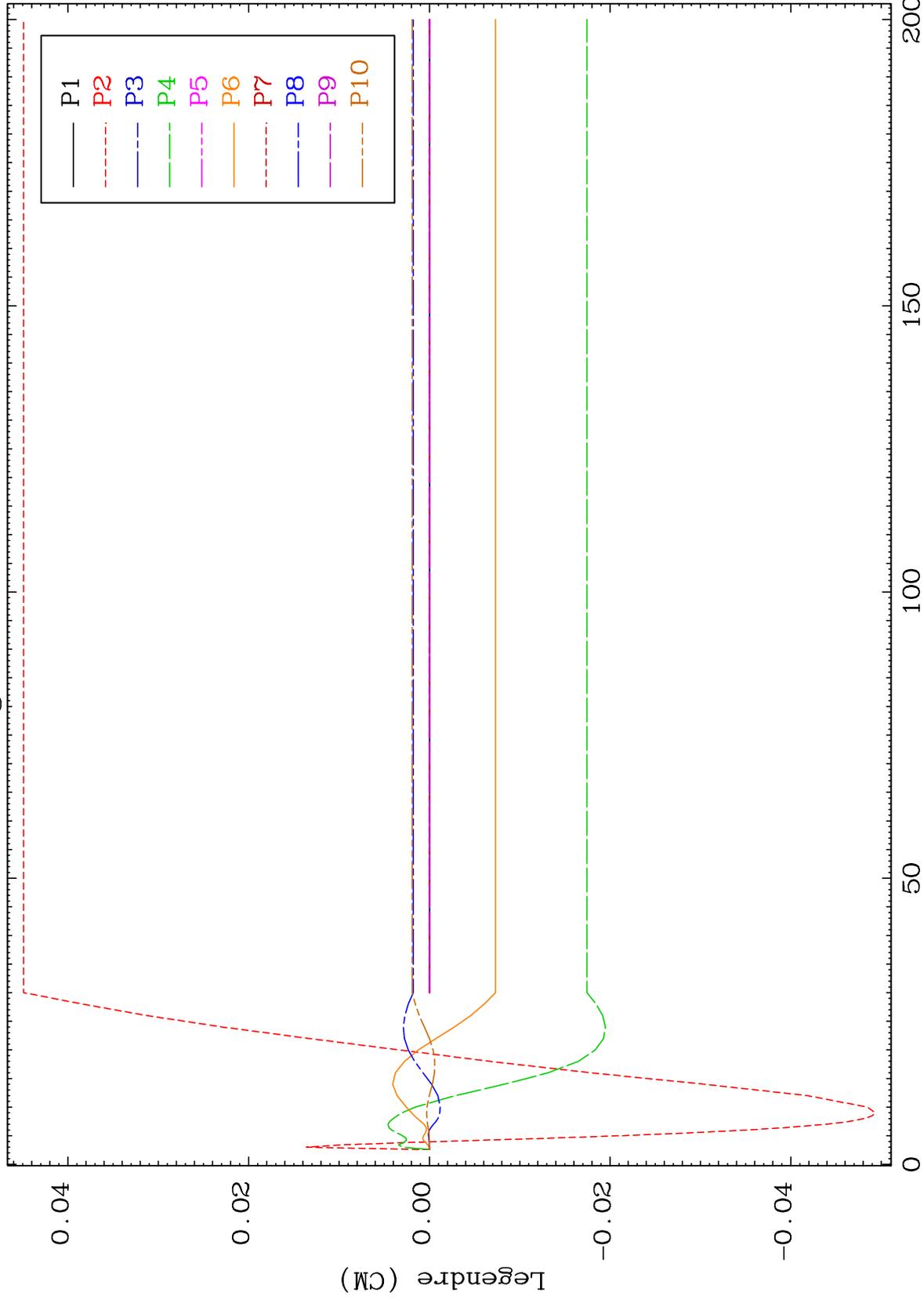
84-Po-208



MAT 8431

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

84-Po-208



104

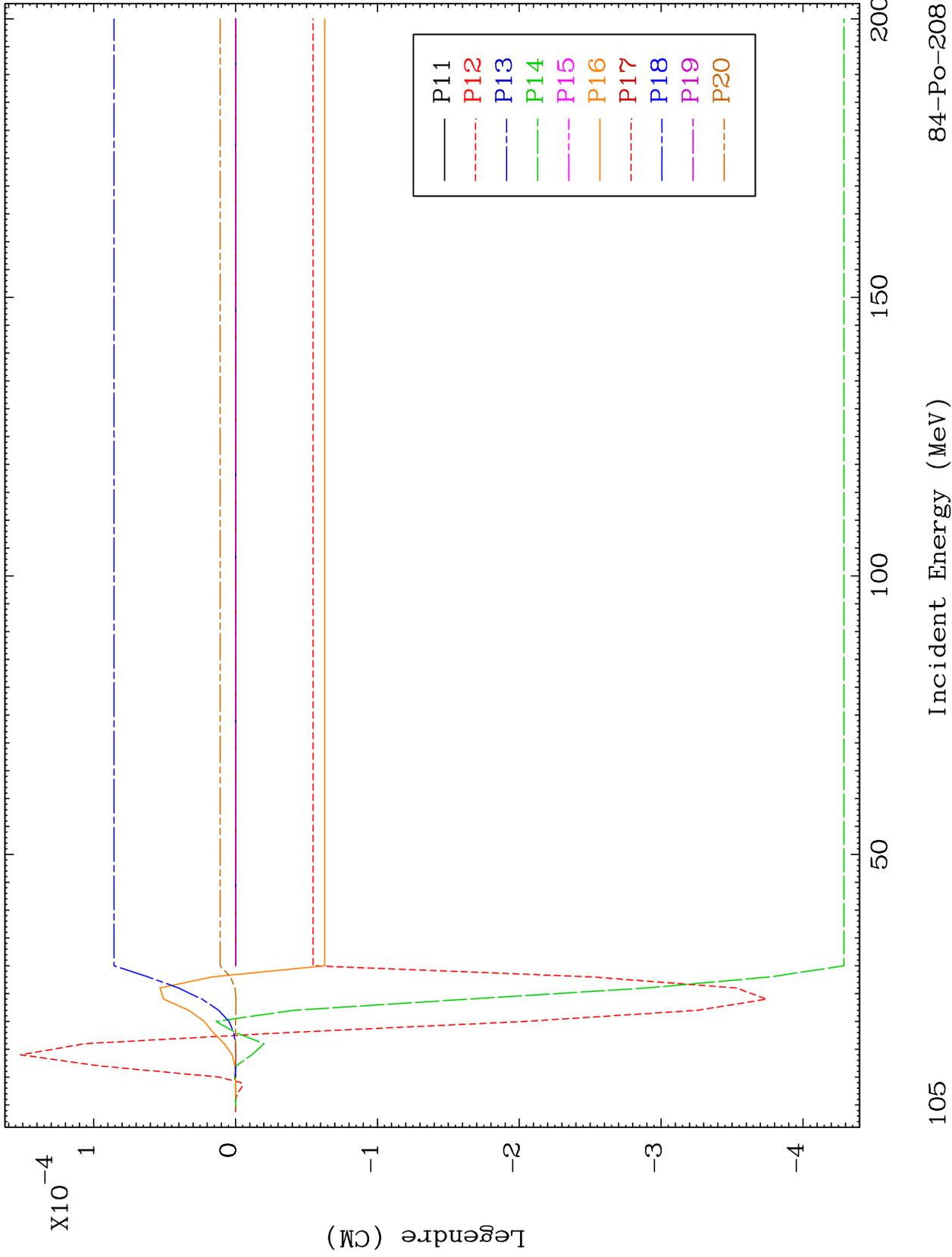
Incident Energy (MeV)

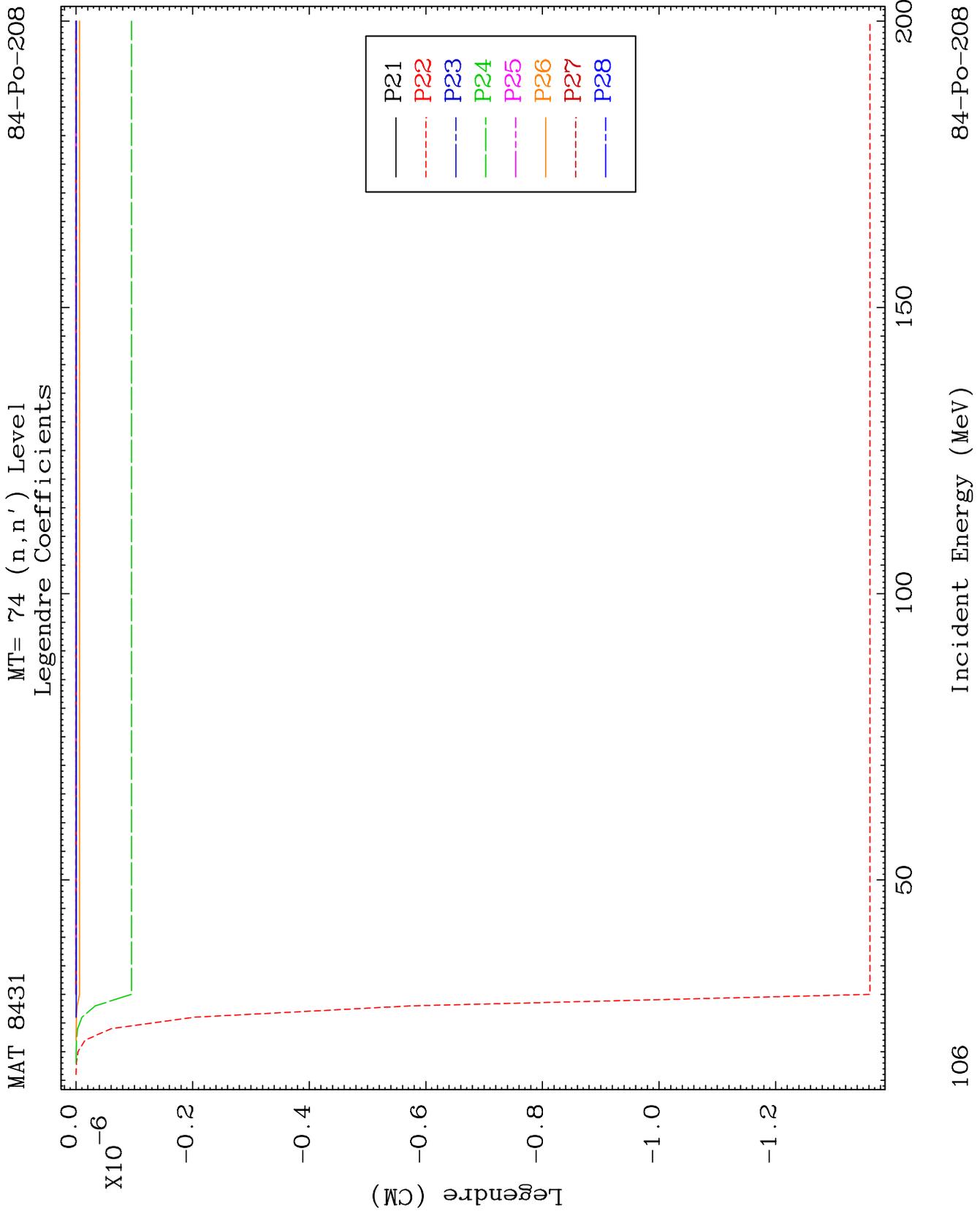
84-Po-208

MAT 8431

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

84-Po-208

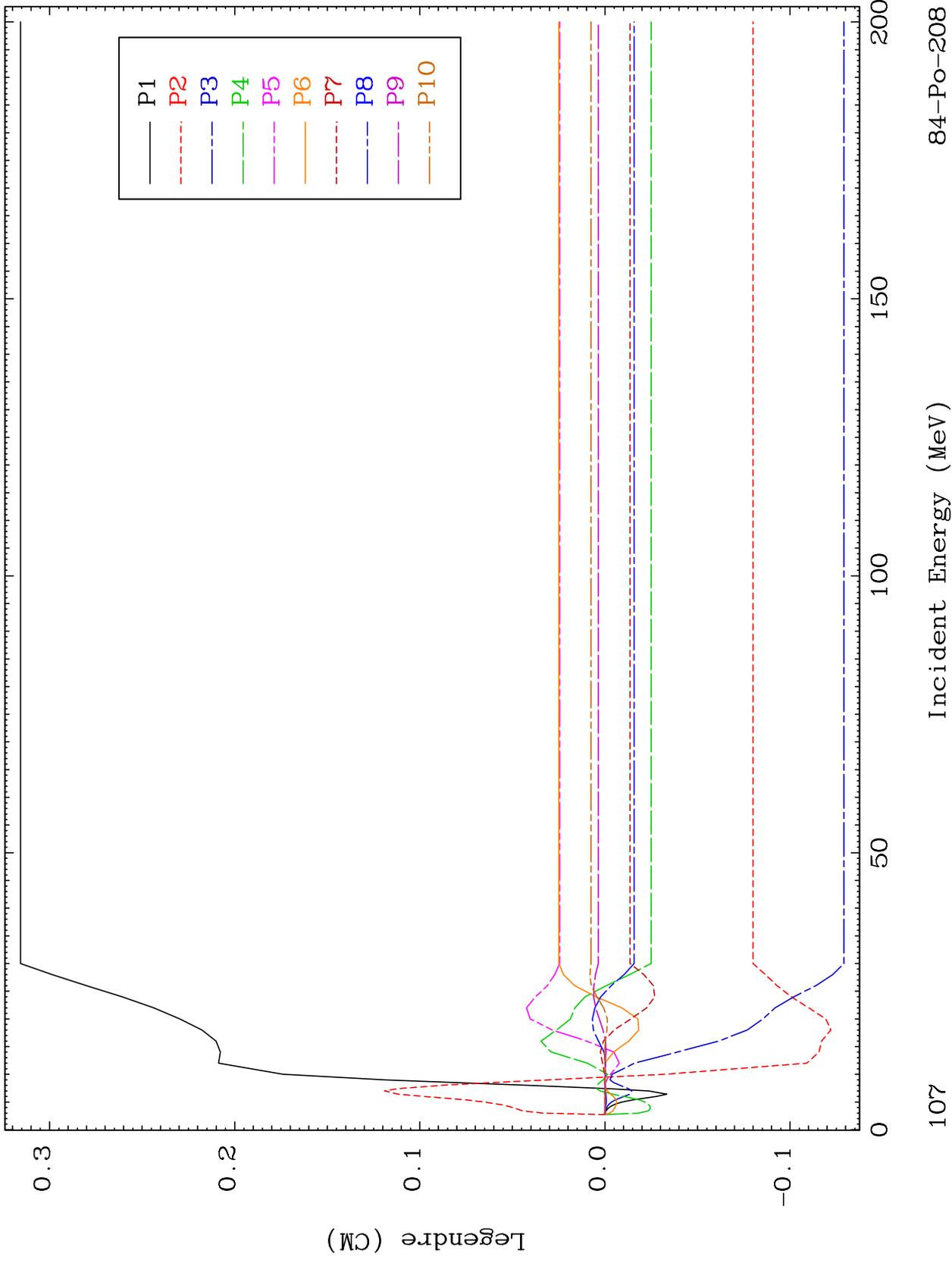




MAT 8431

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

84-Po-208



107

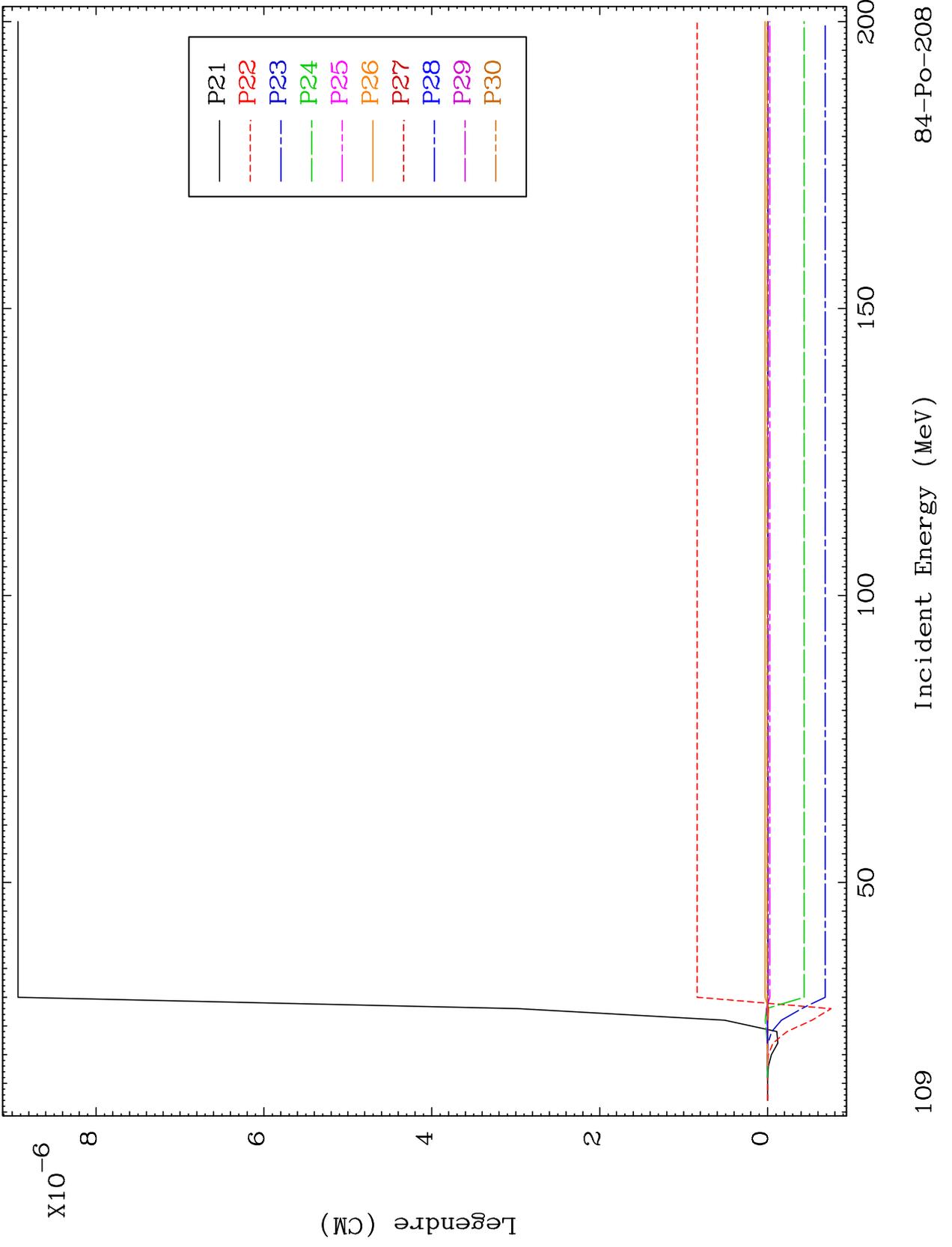
Incident Energy (MeV)

84-Po-208

MAT 8431

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

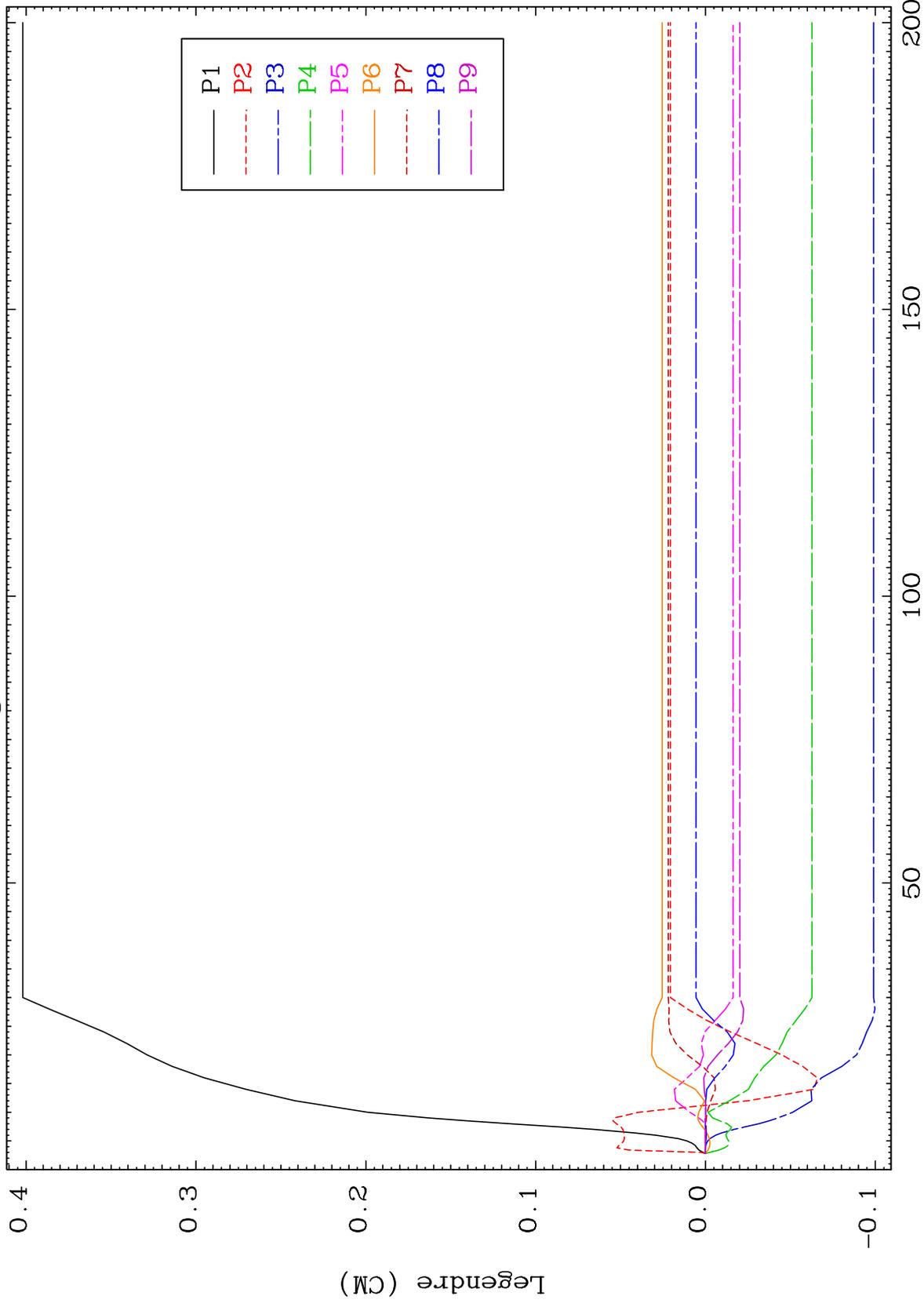
84-Po-208



MAT 8431

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

84-Po-208



110

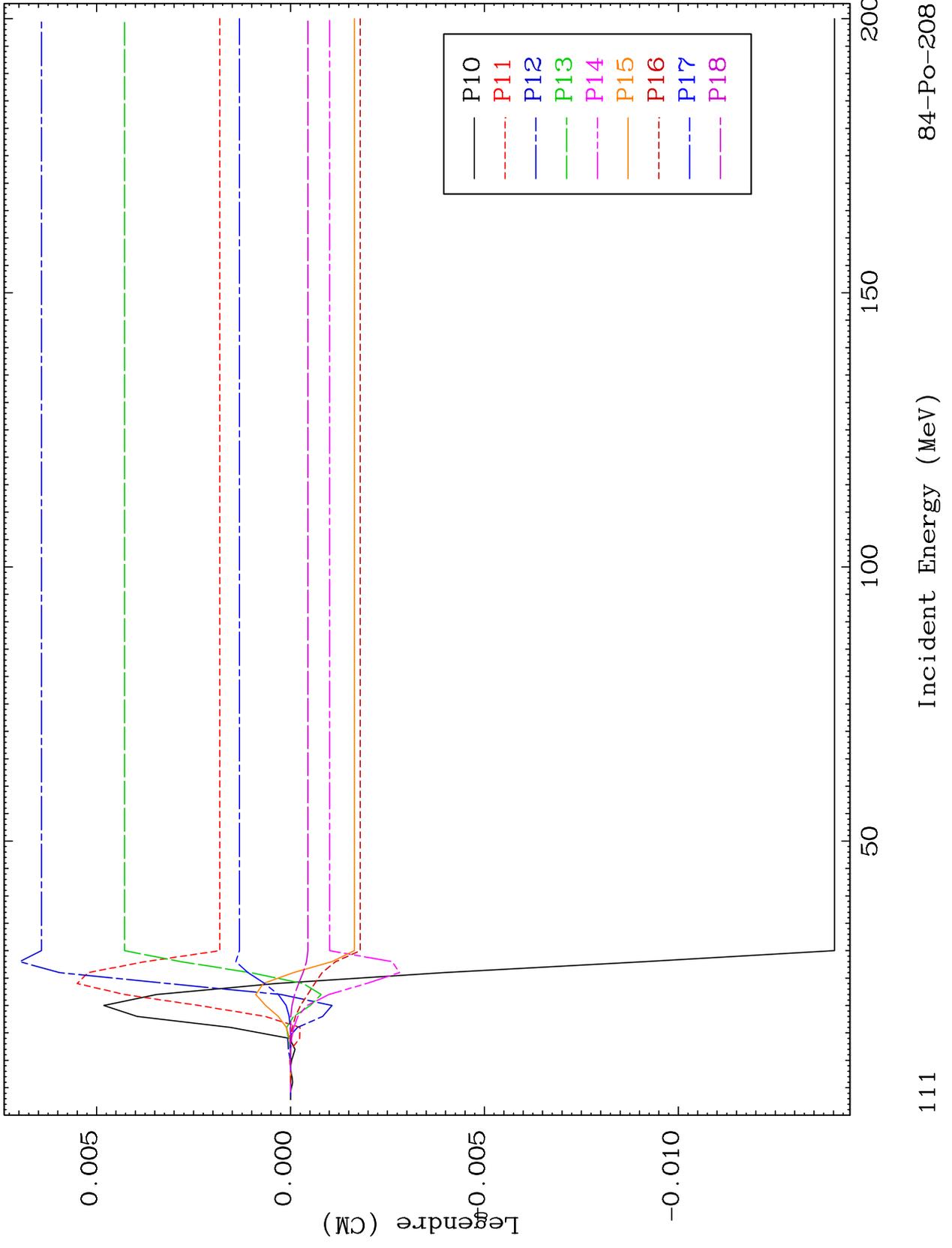
Incident Energy (MeV)

84-Po-208

MAT 8431

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

84-Po-208



111

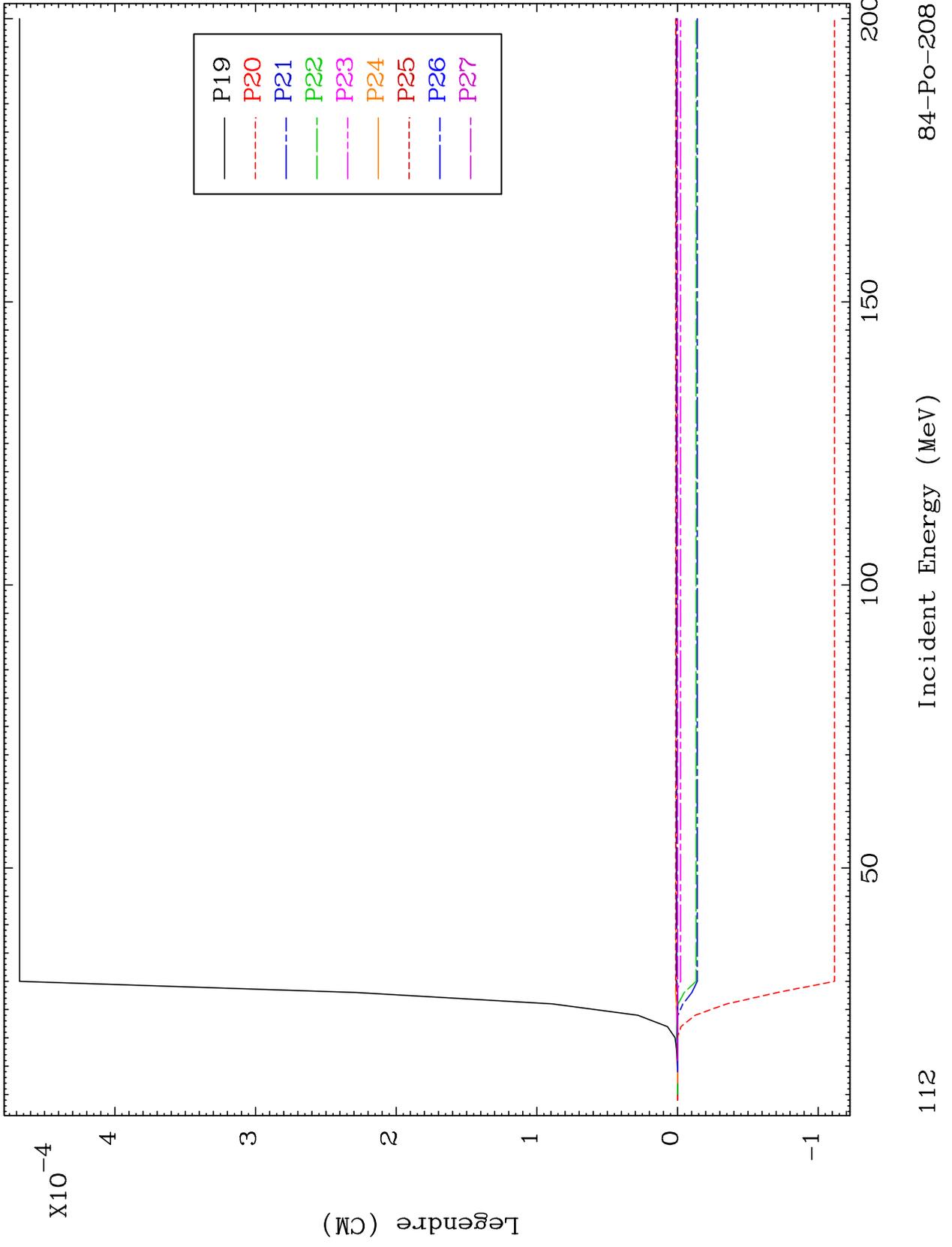
Incident Energy (MeV)

84-Po-208

MAT 8431

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

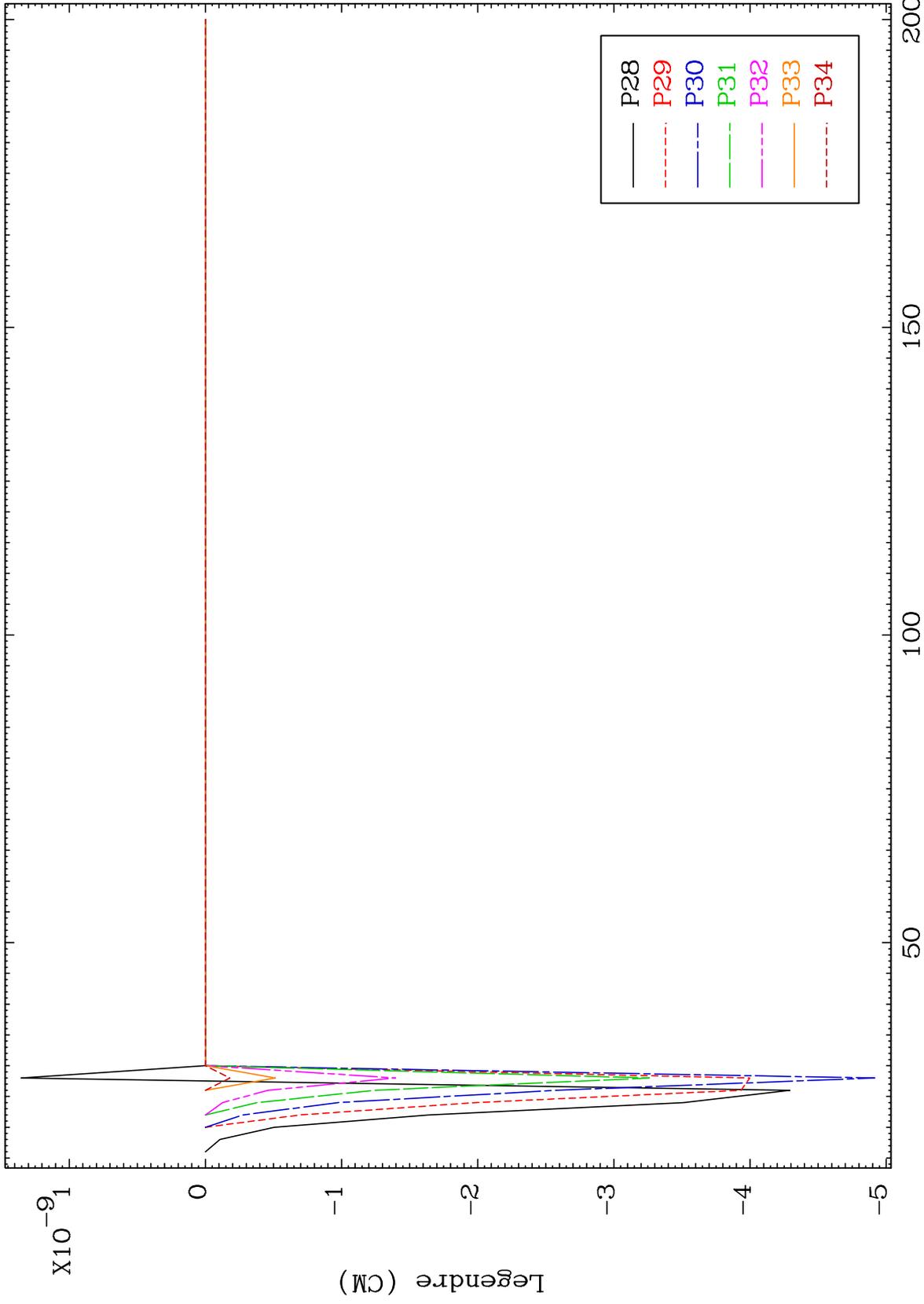
84-Po-208



MAT 8431

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

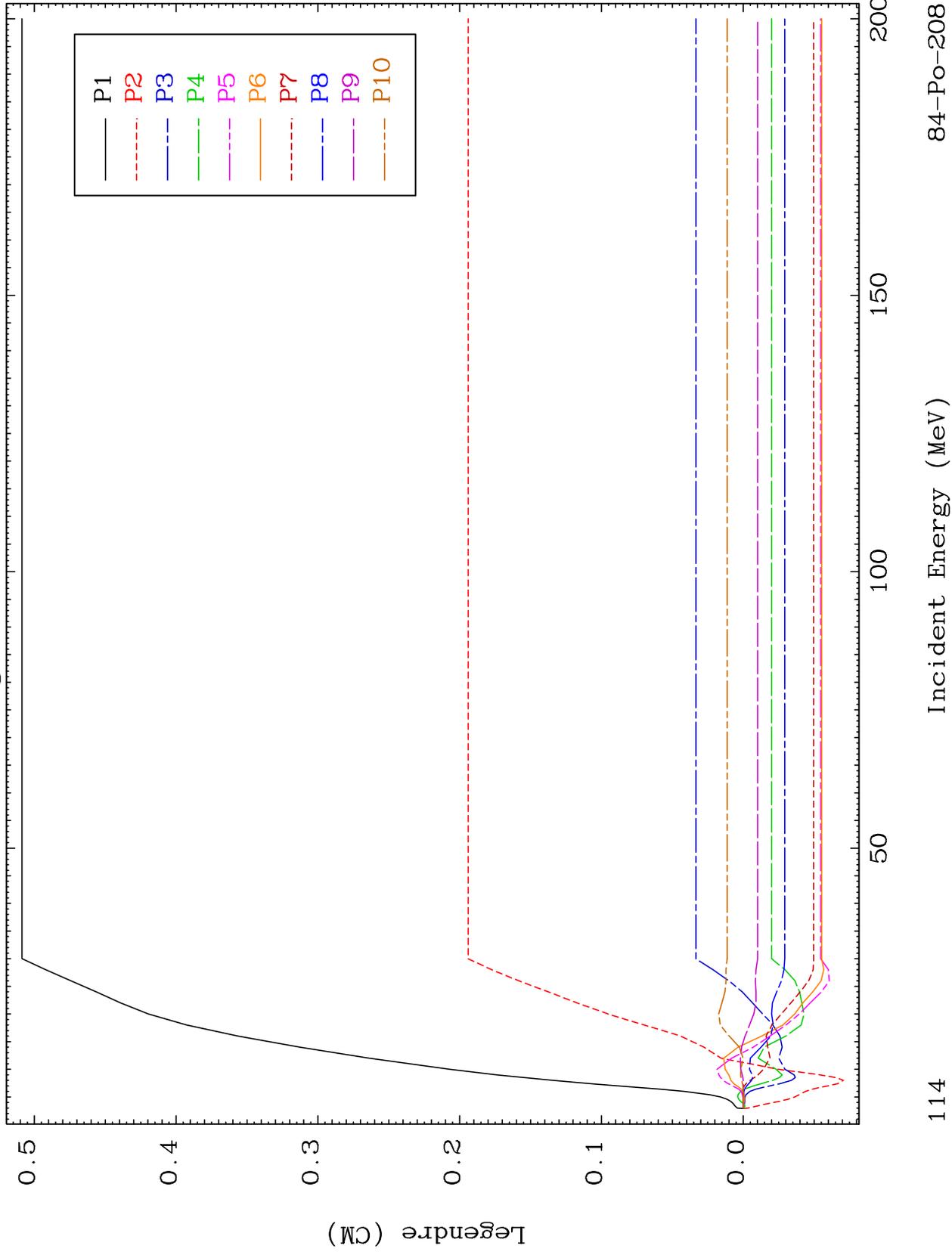
84-Po-208



MAT 8431

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

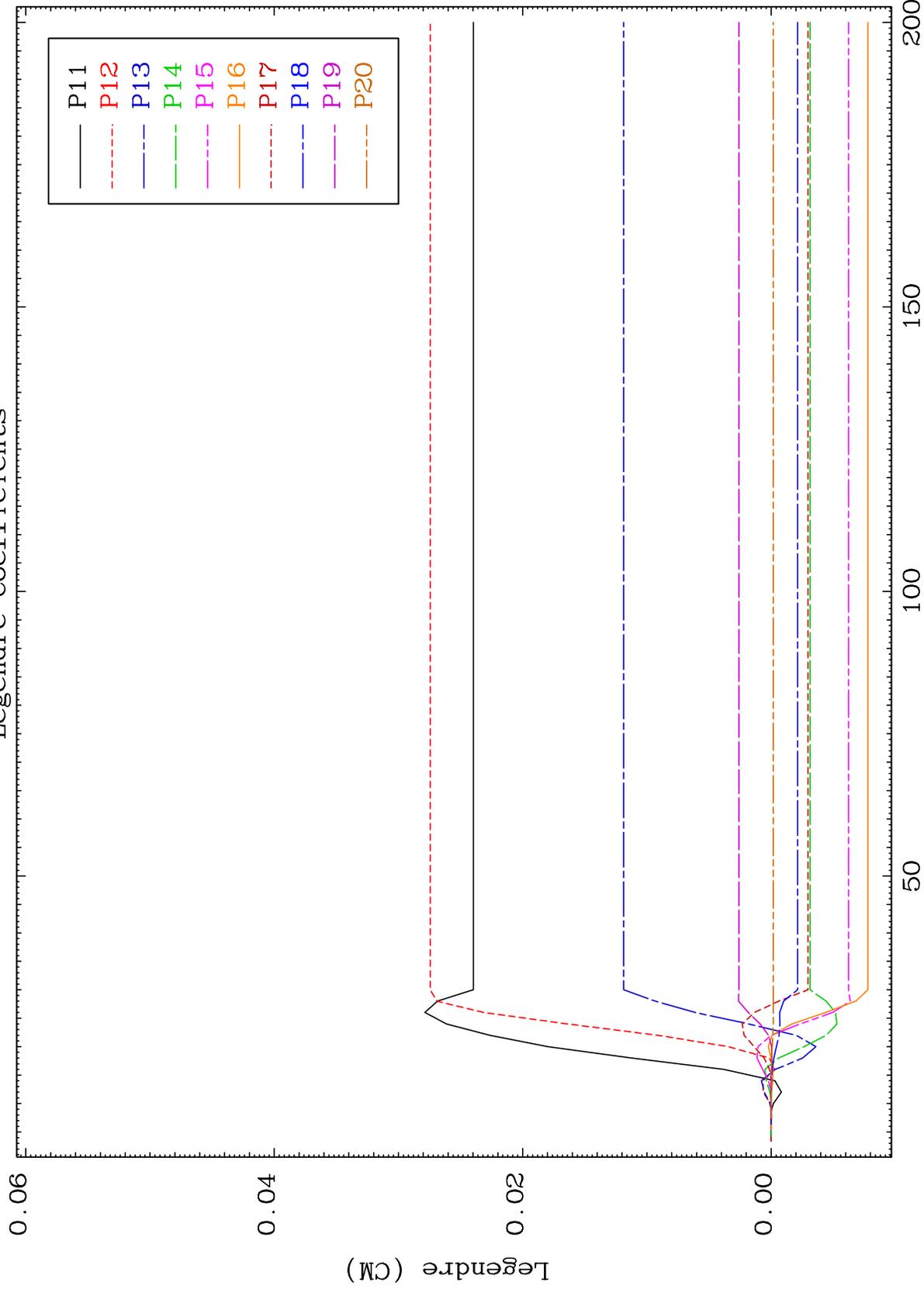
84-Po-208



MAT 8431

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

84-Po-208



115

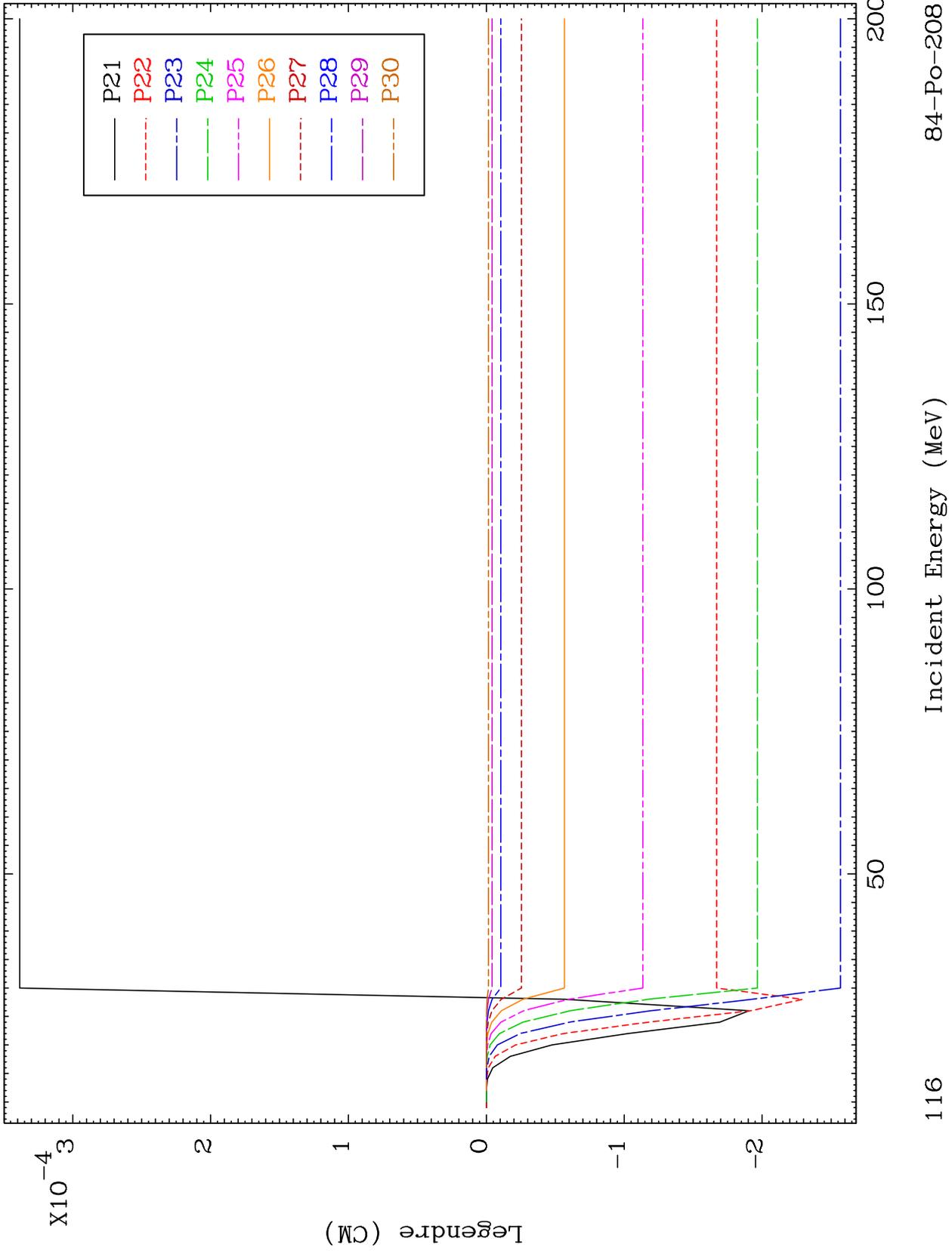
Incident Energy (MeV)

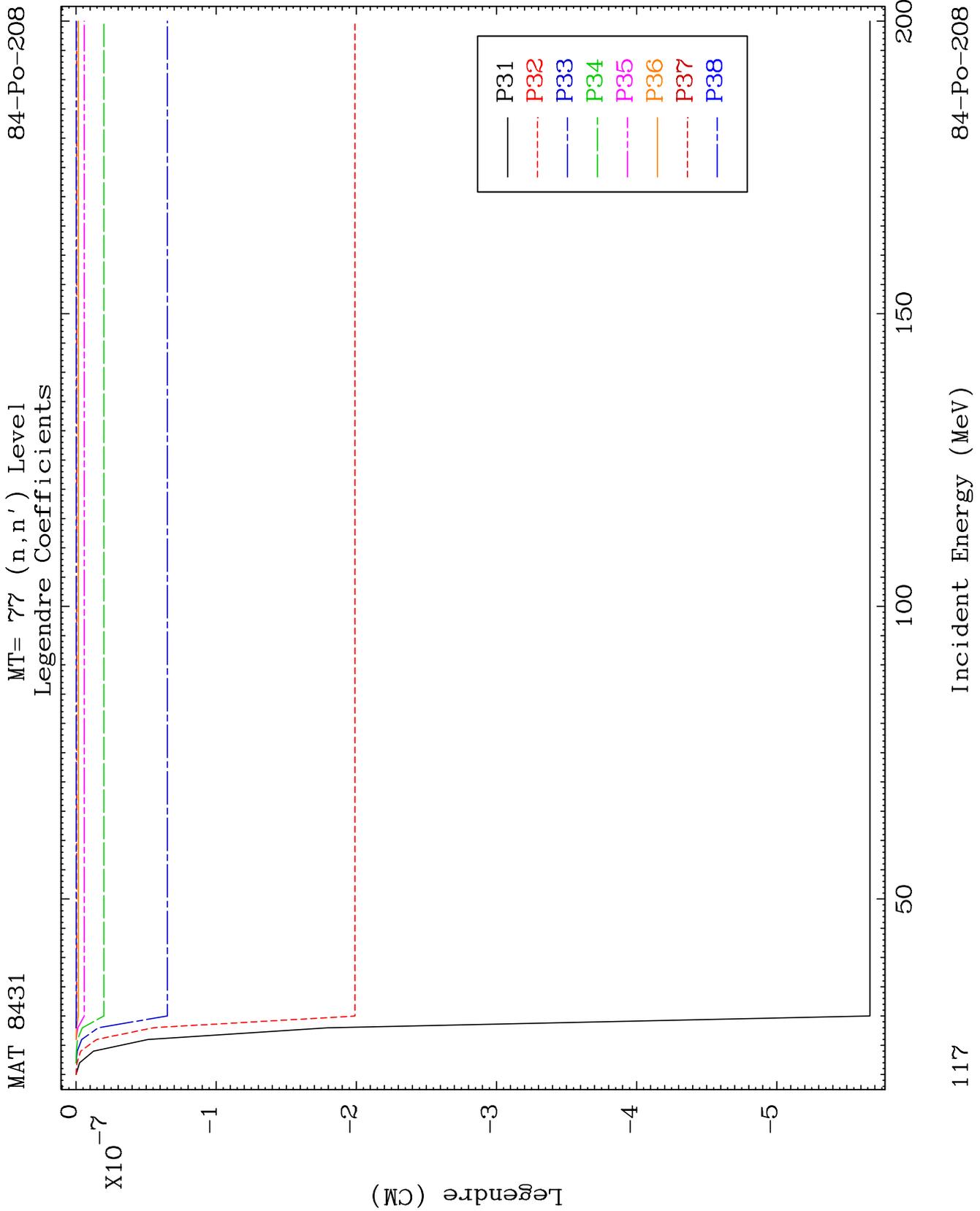
84-Po-208

MAT 8431

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

84-Po-208

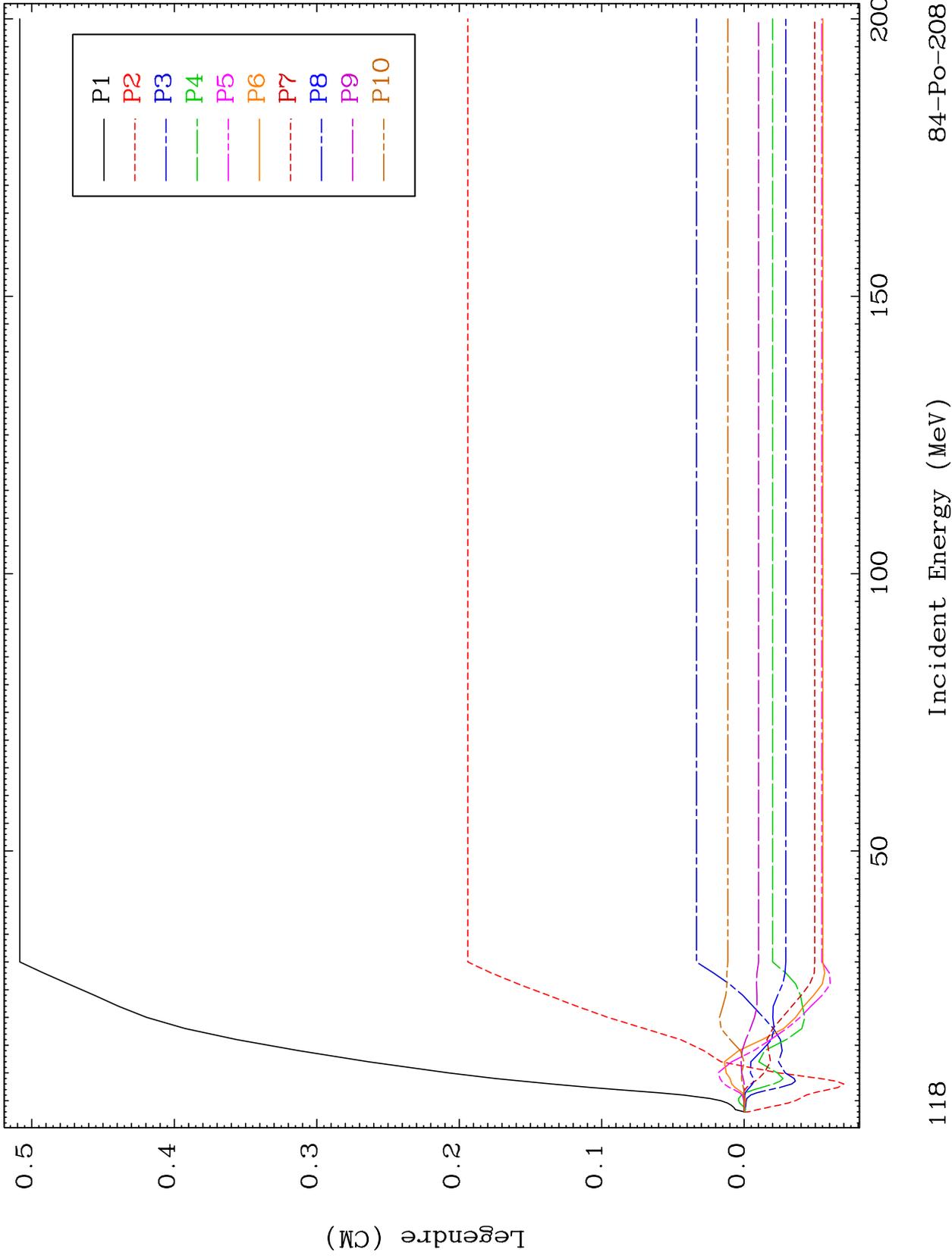




MAT 8431

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

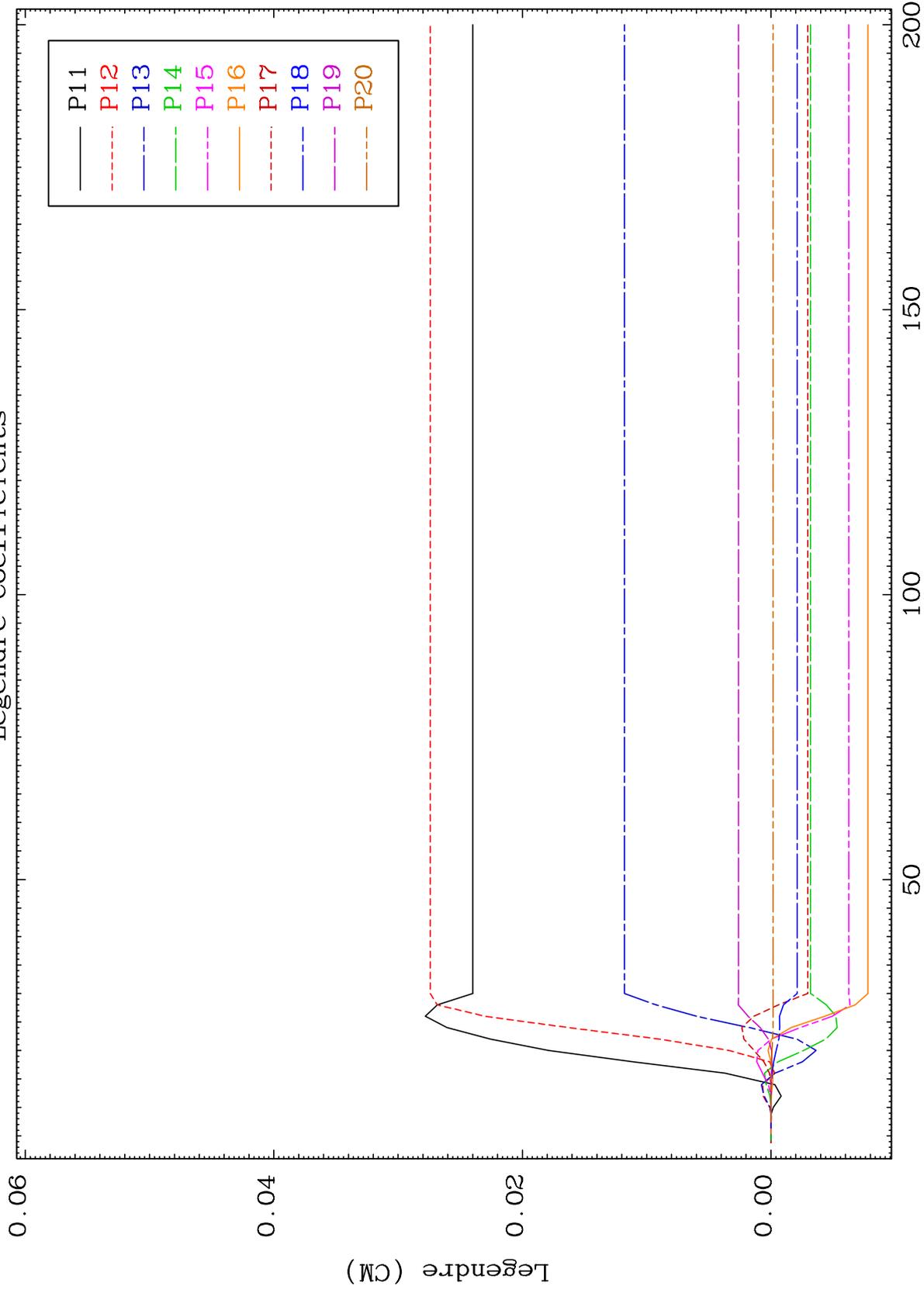
84-Po-208



MAT 8431

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

84-Po-208



119

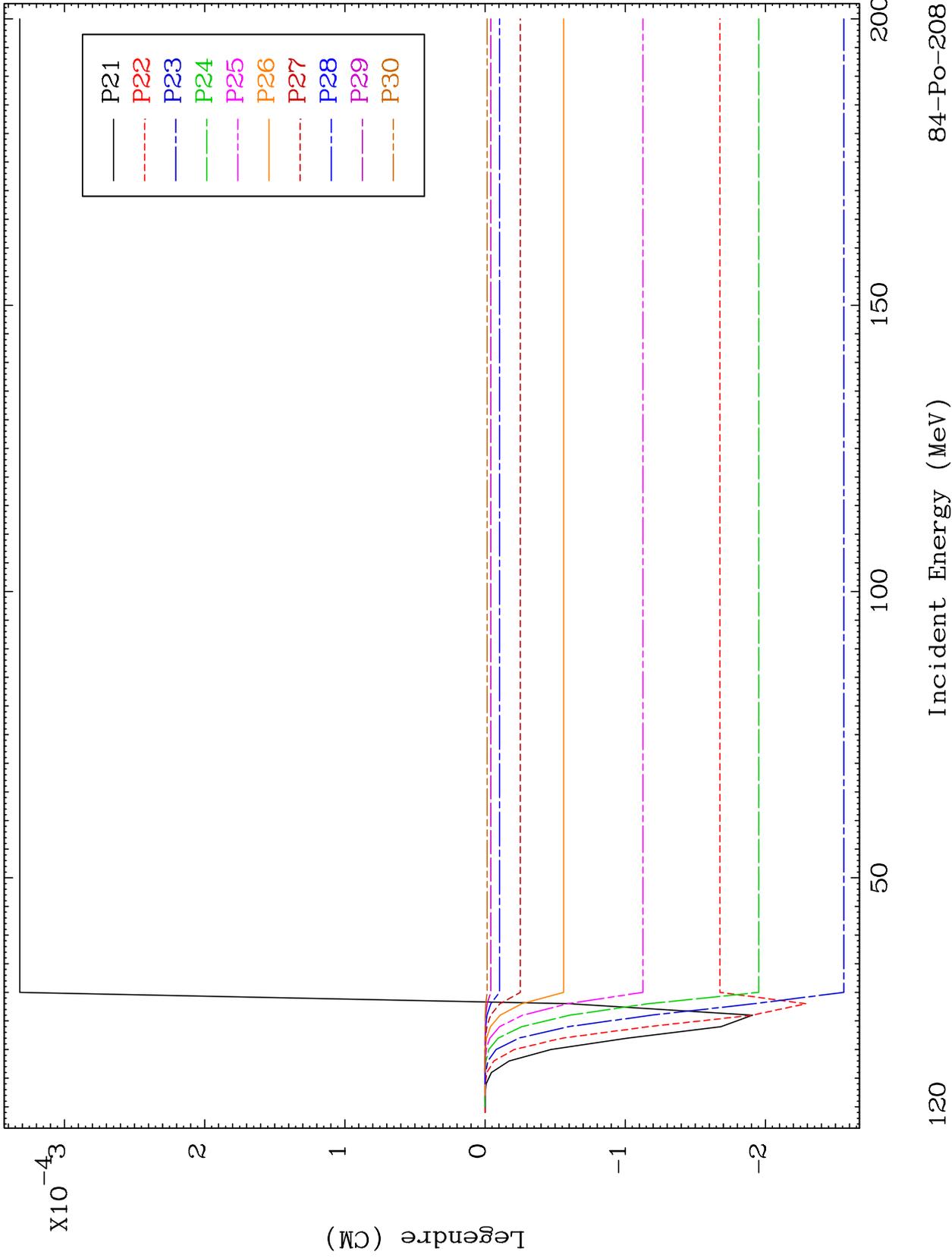
Incident Energy (MeV)

84-Po-208

MAT 8431

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

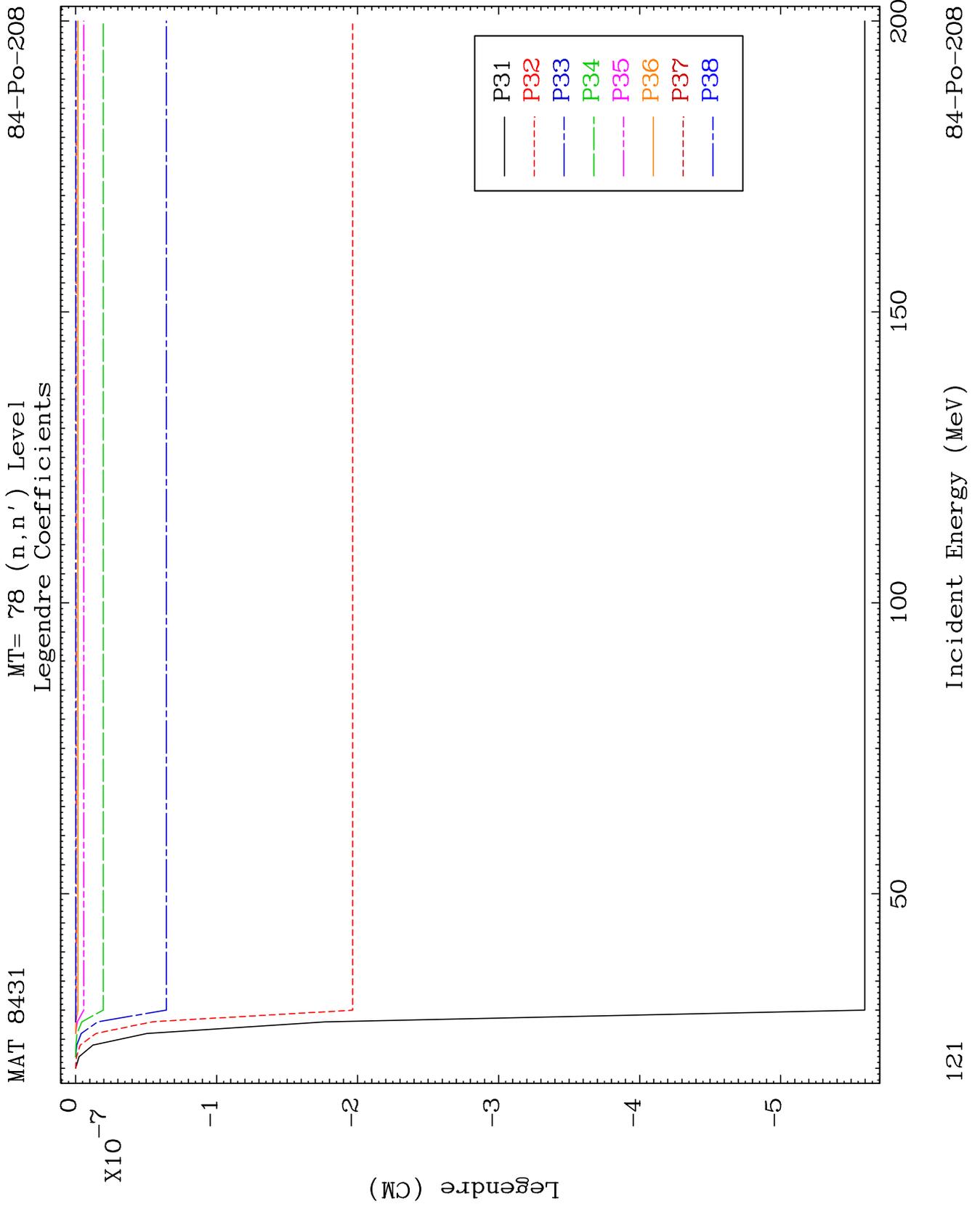
84-Po-208



120

Incident Energy (MeV)

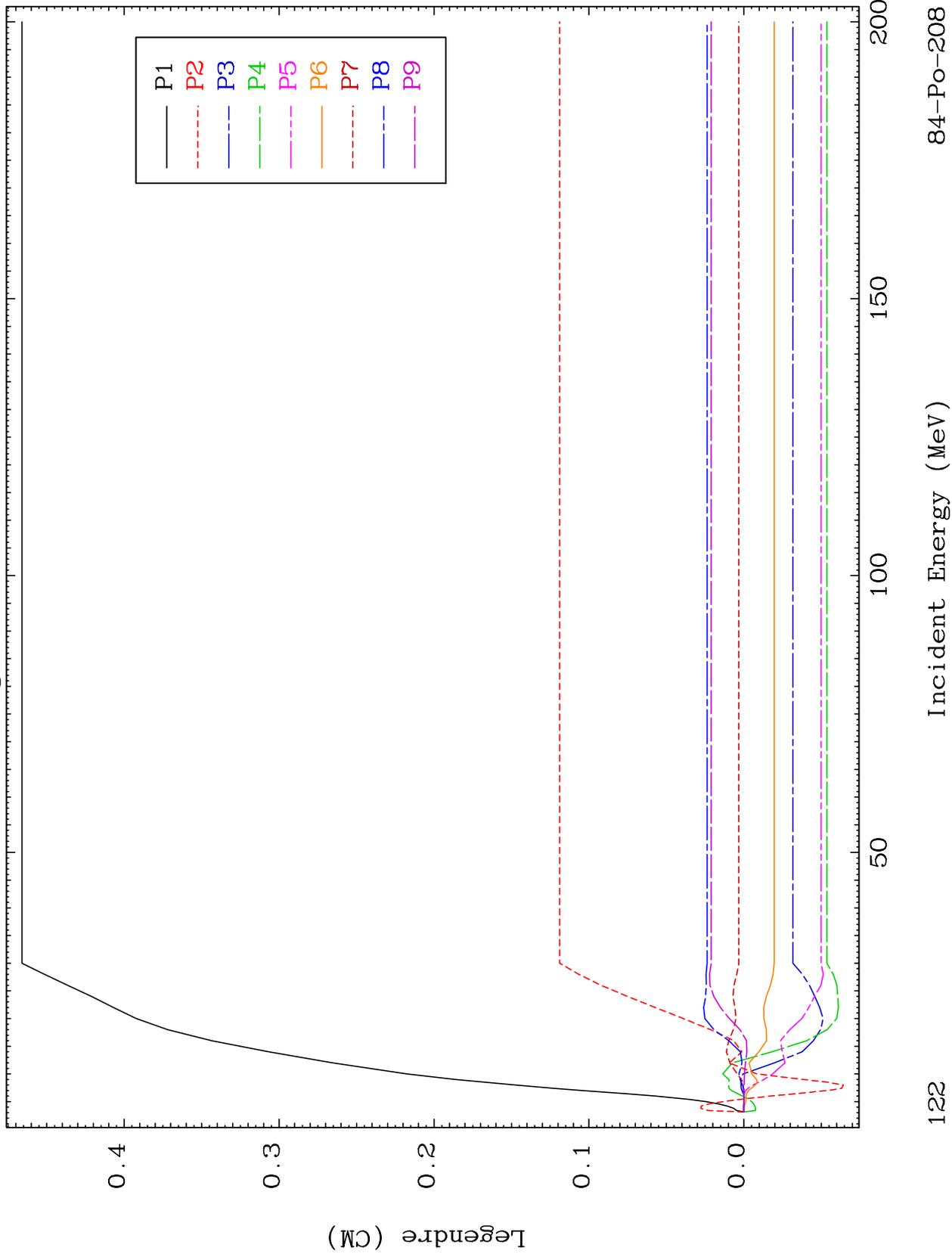
84-Po-208



MAT 8431

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

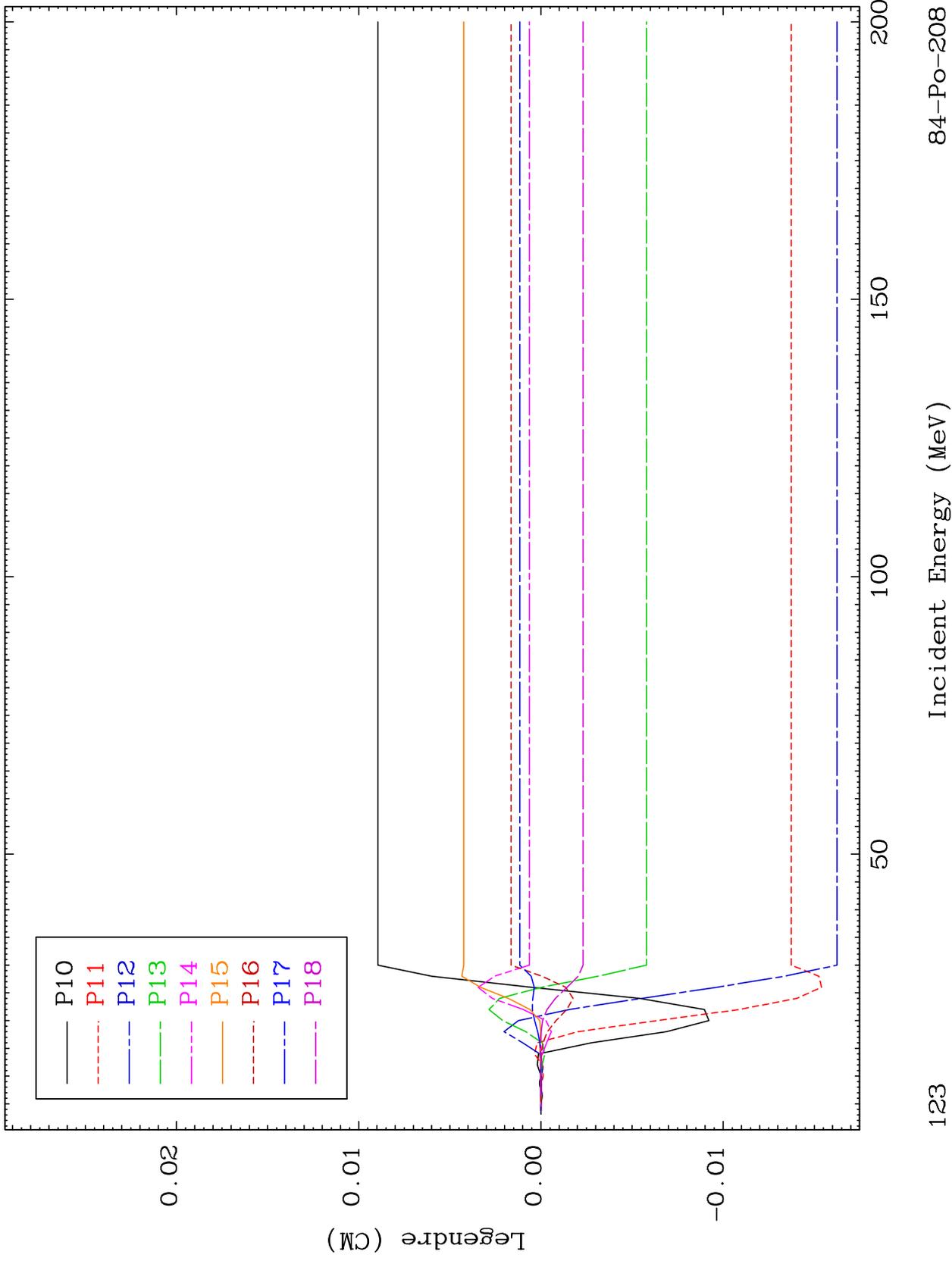
84-Po-208



122

Incident Energy (MeV)

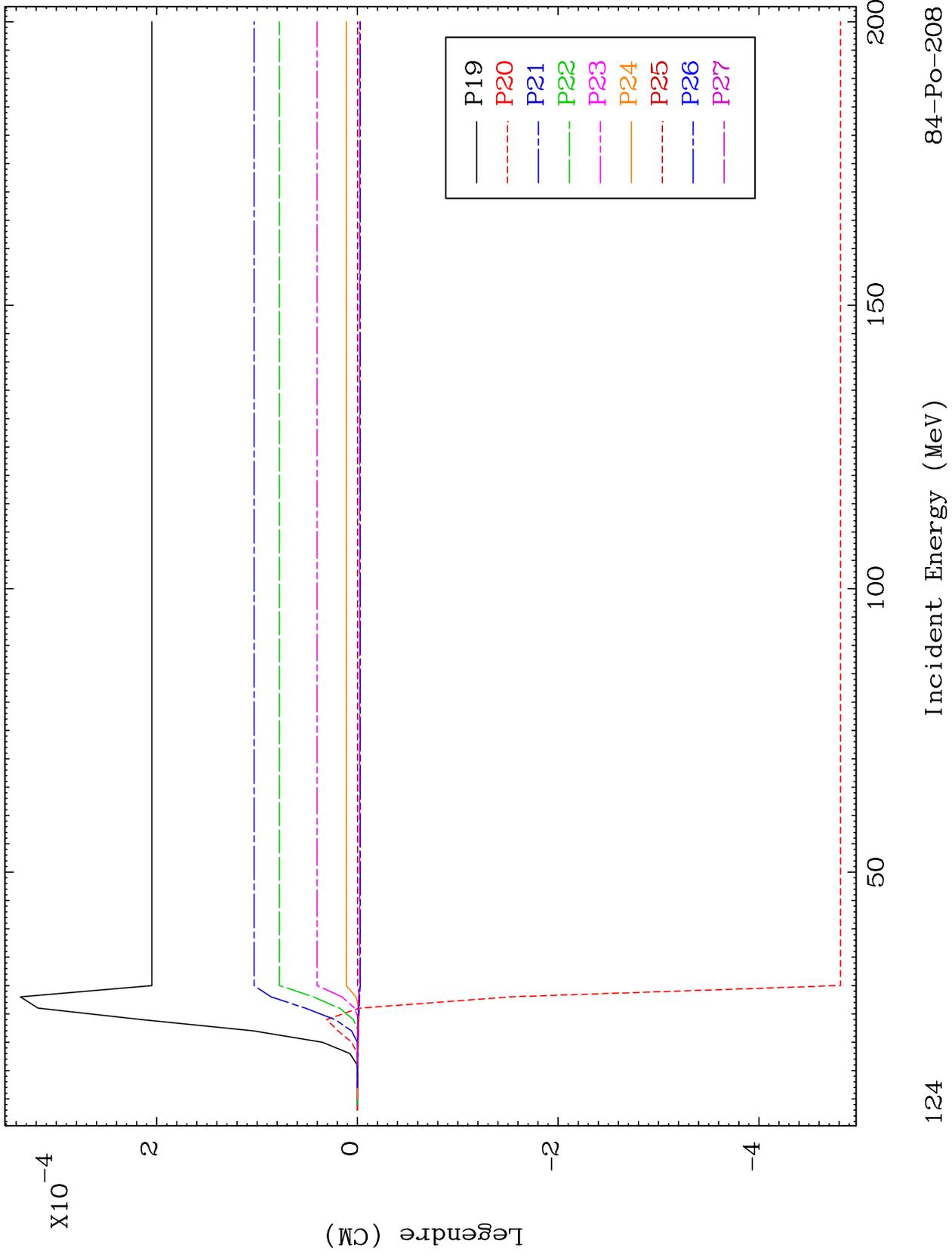
84-Po-208



MAT 8431

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

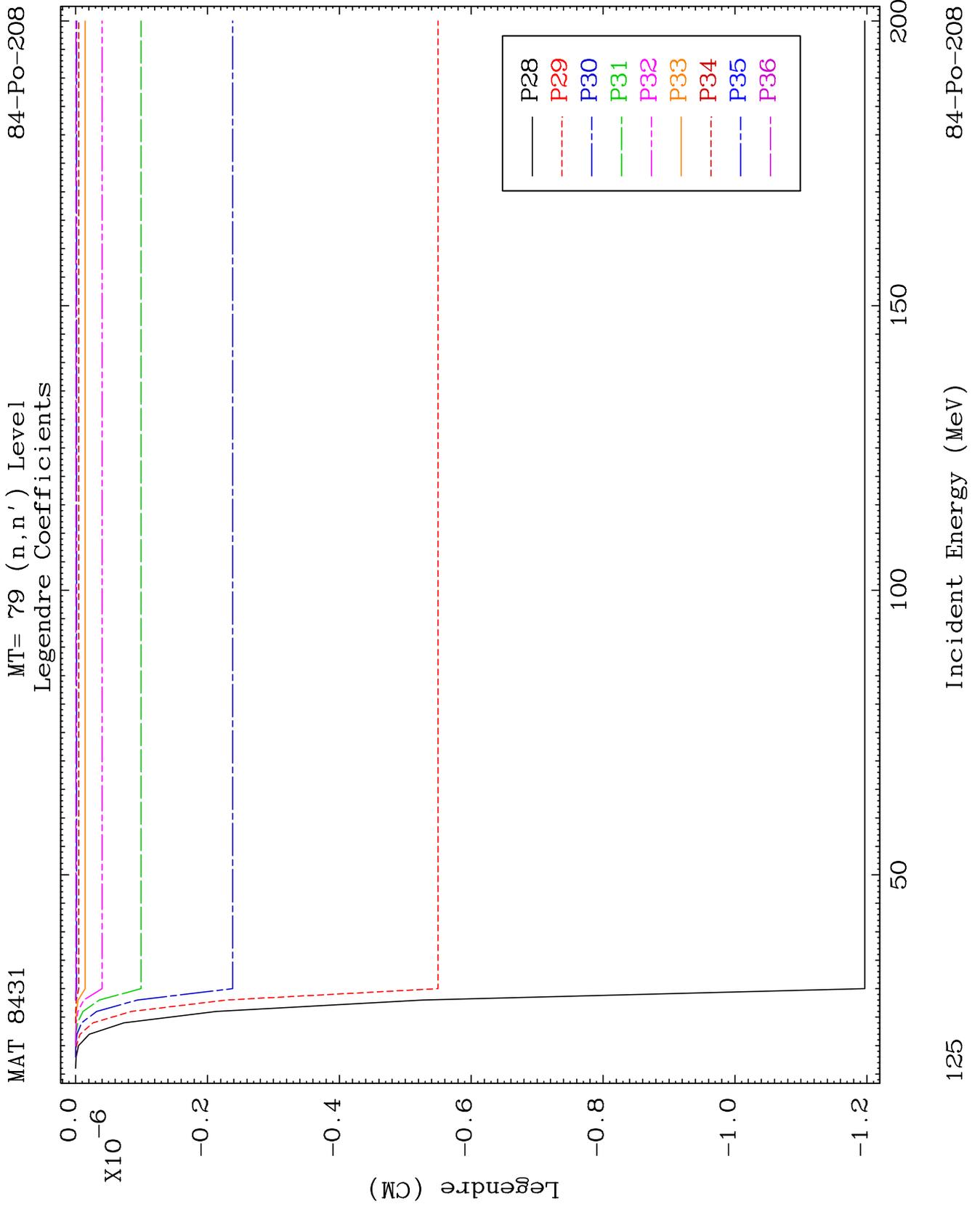
84-Po-208



124

Incident Energy (MeV)

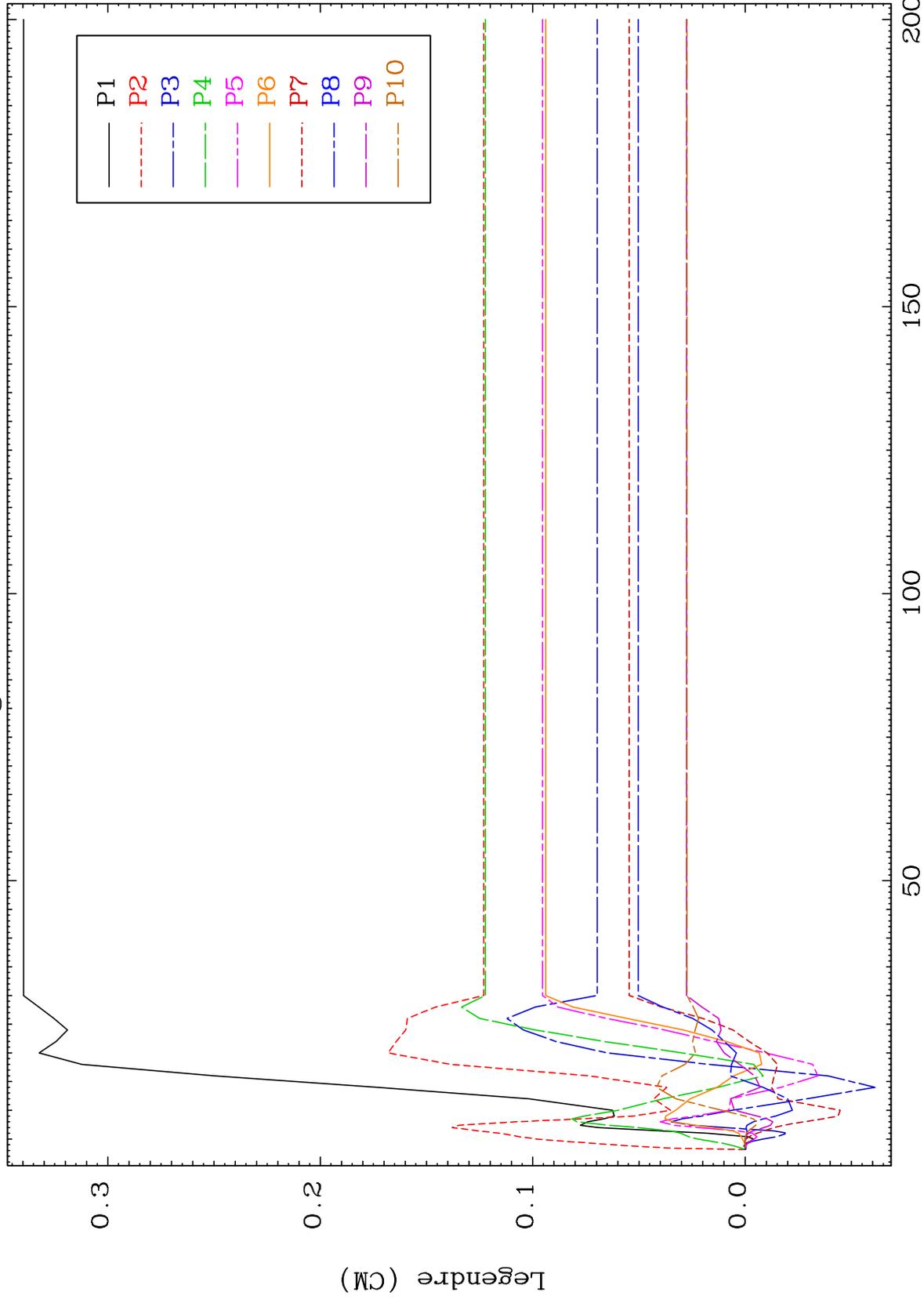
84-Po-208



MAT 8431

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

84-Po-208



126

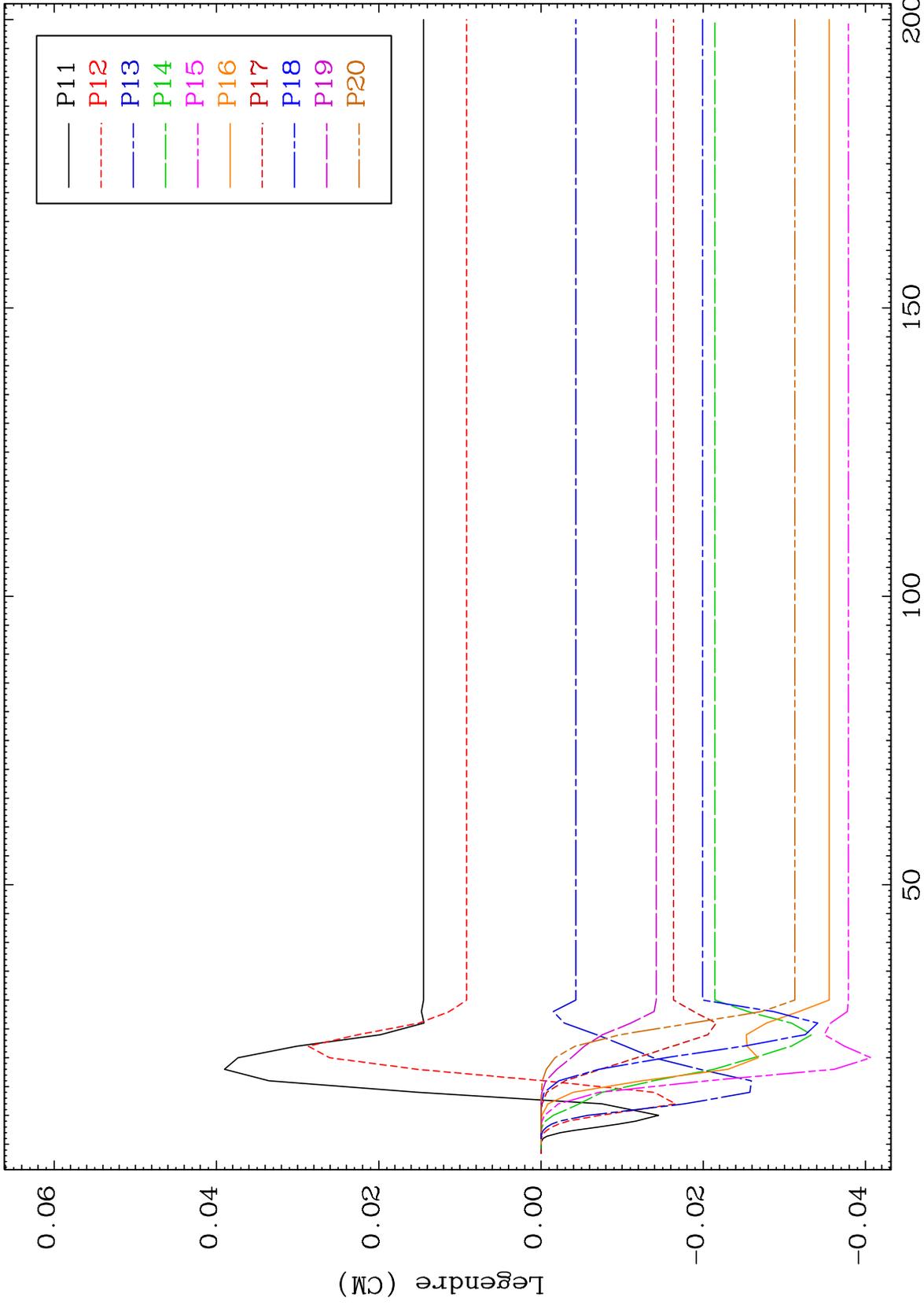
Incident Energy (MeV)

84-Po-208

MAT 8431

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

84-Po-208



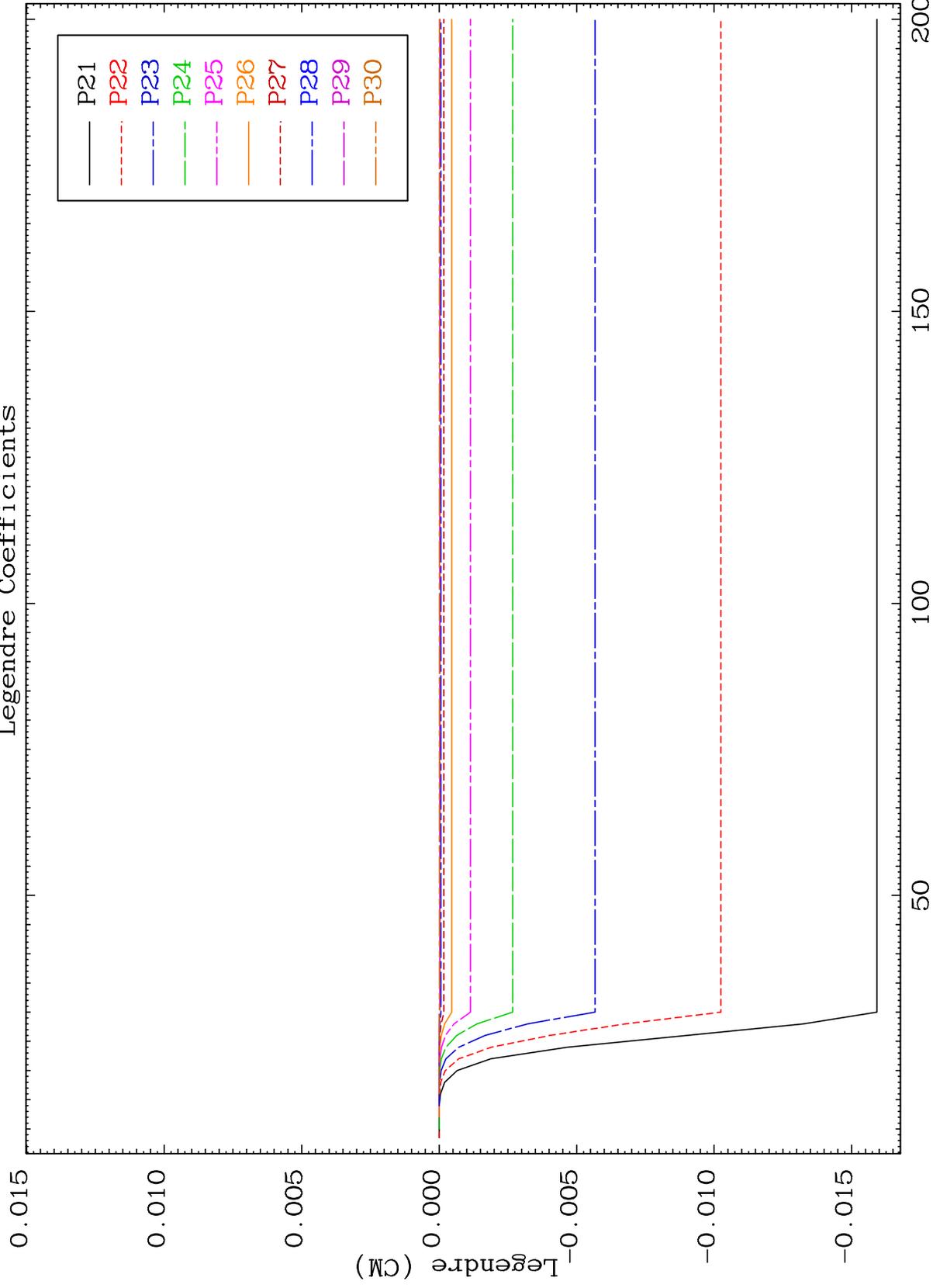
127

84-Po-208

MAT 8431

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

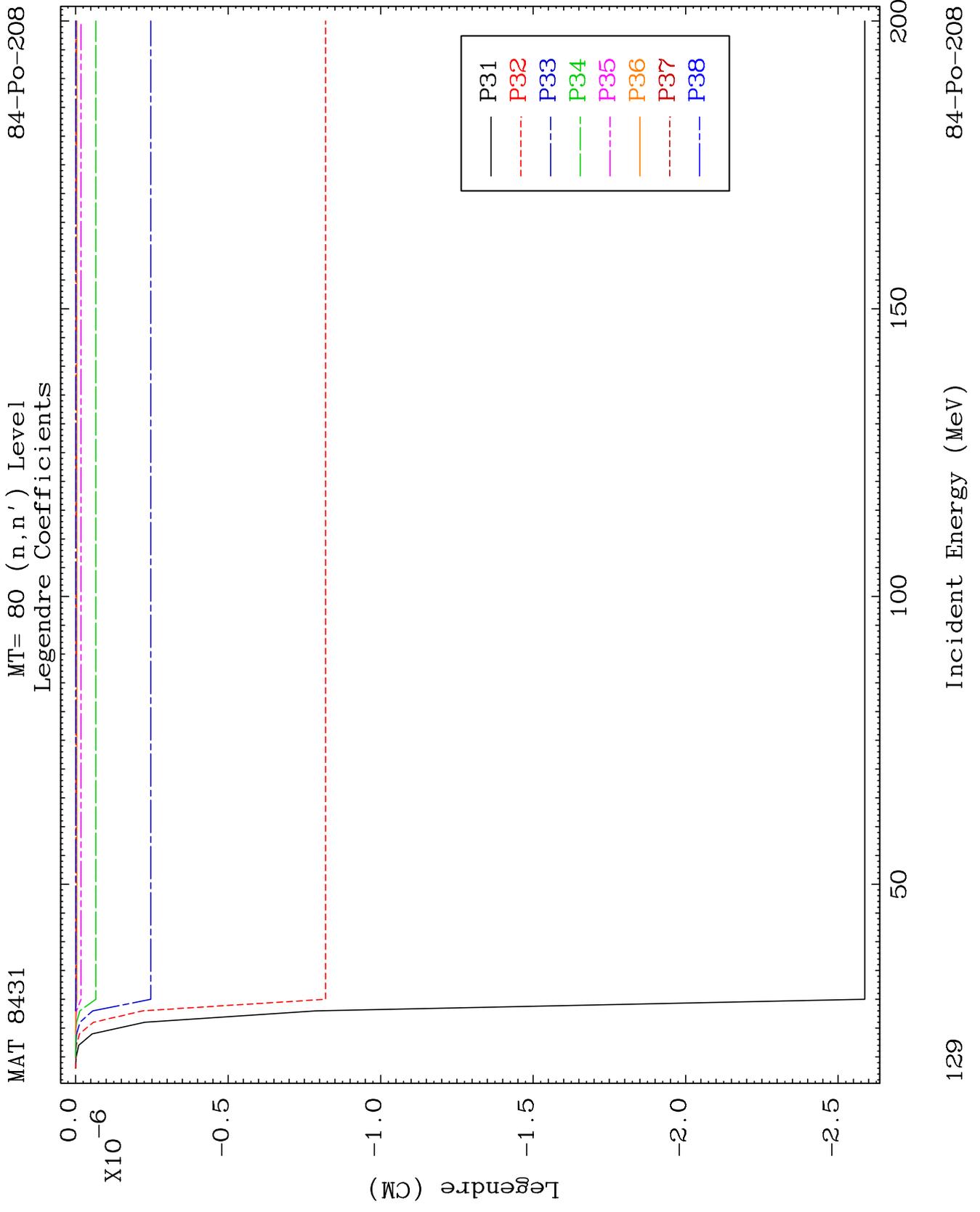
84-Po-208



128

Incident Energy (MeV)

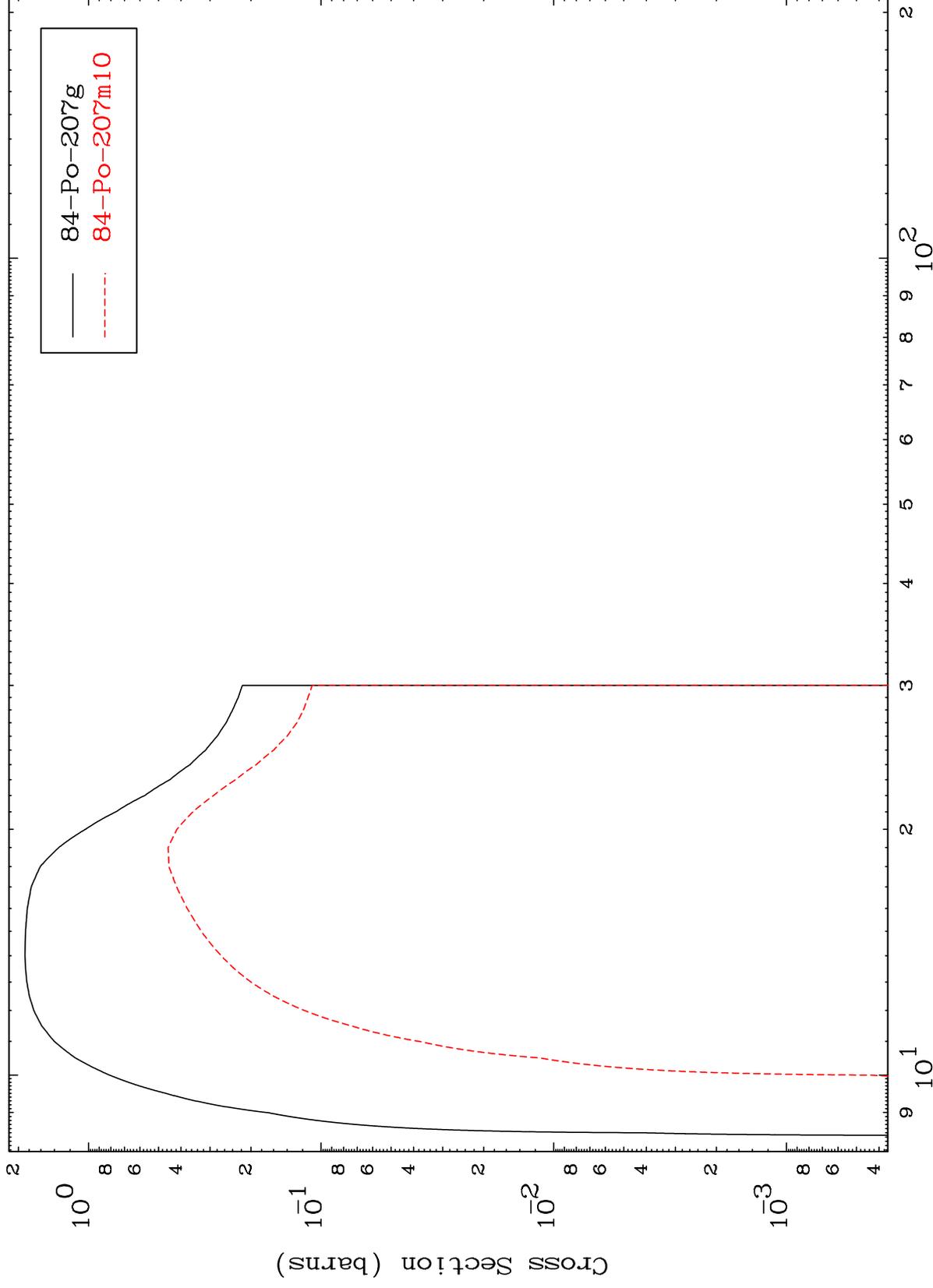
84-Po-208



MAT 8431

84-Po-208

(n,2n)
Radionuclide Production Cross Section



130

Incident Energy (MeV)

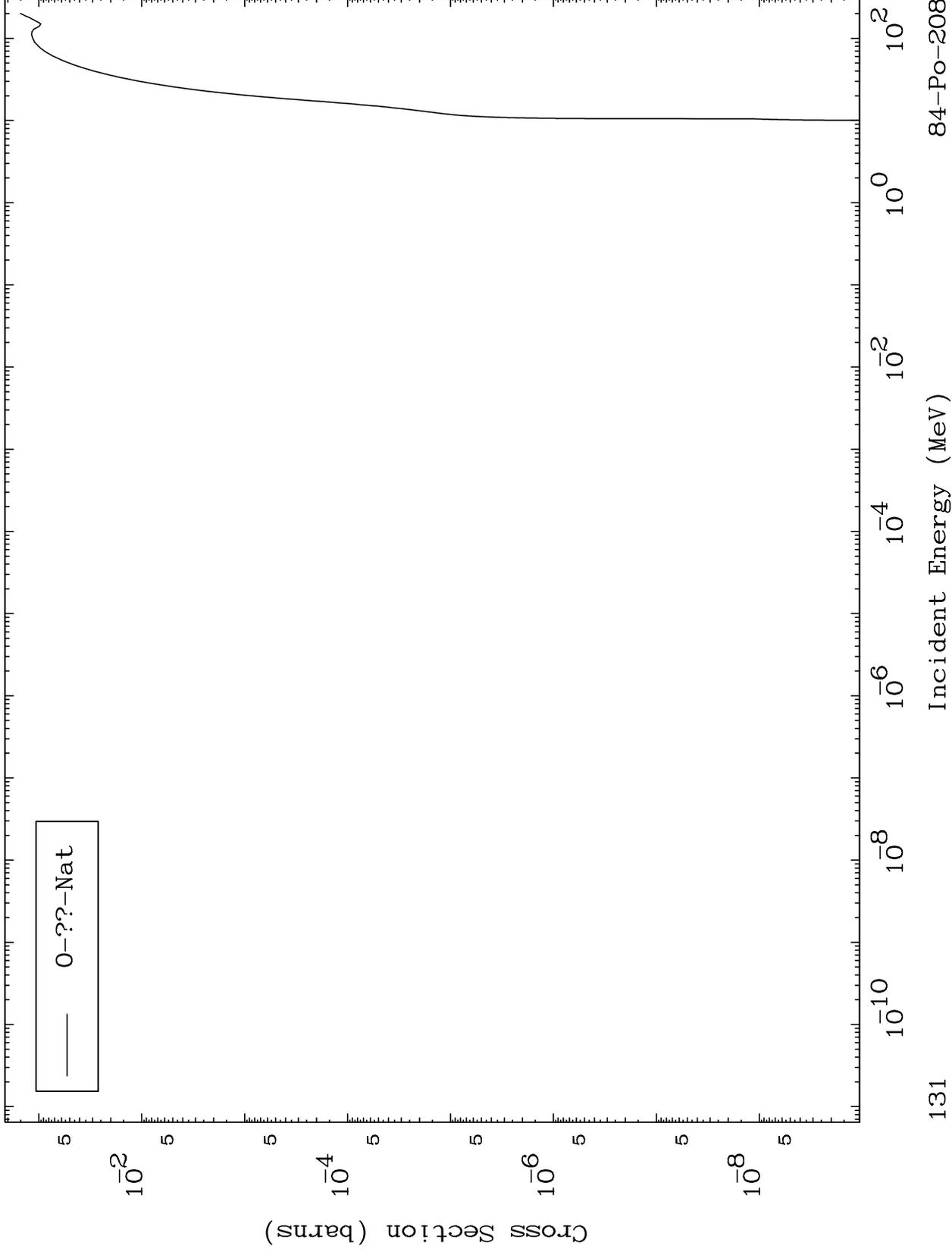
84-Po-208

MAT 8431

Fission

84-Po-208

Radionuclide Production Cross Section



131

Incident Energy (MeV)

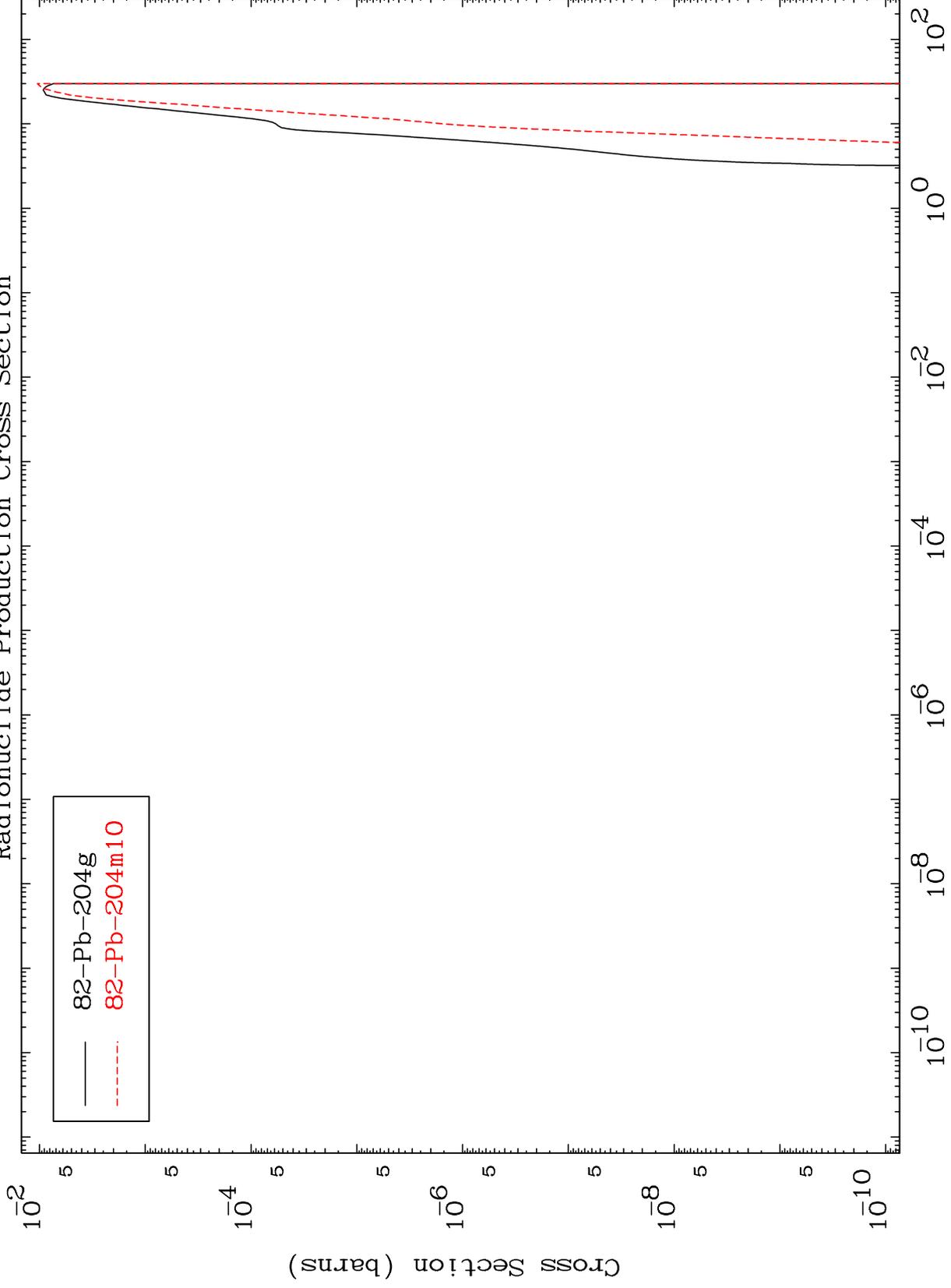
84-Po-208

MAT 8431

(n,n') α

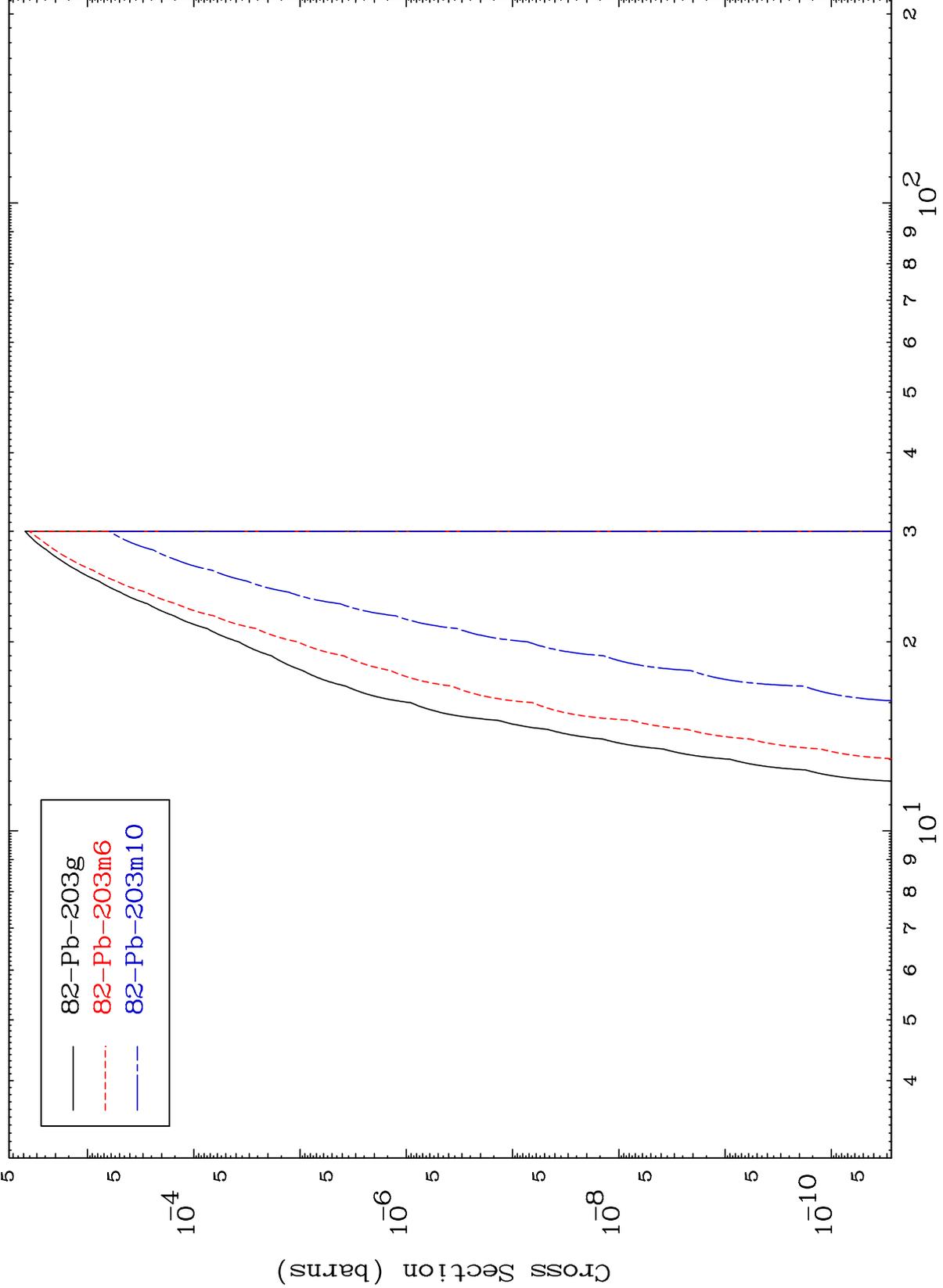
84-Po-208

Radionuclide Production Cross Section



(n,2n) α

Radionuclide Production Cross Section

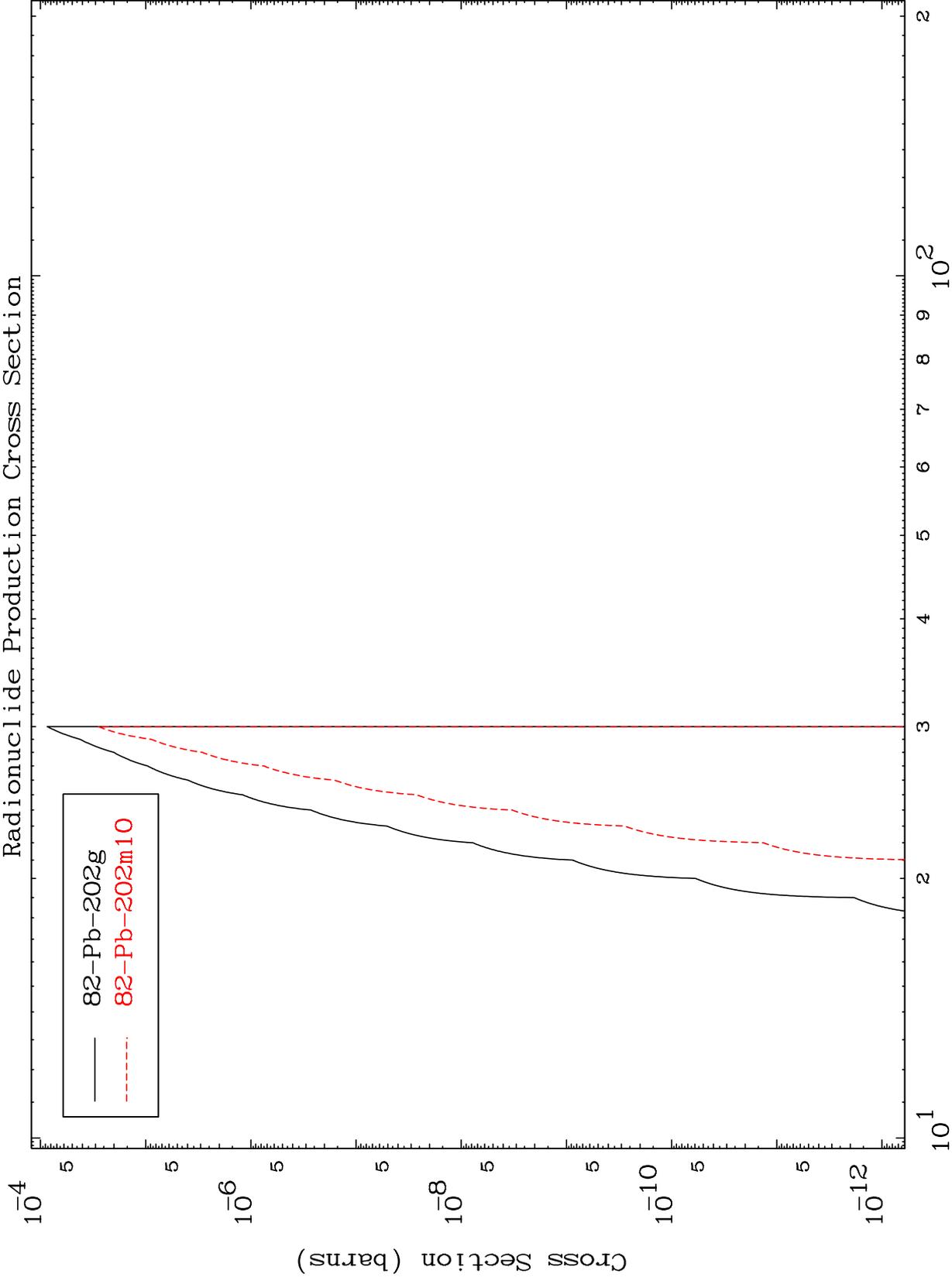


MAT 8431

(n,3n) α

84-Po-208

Radionuclide Production Cross Section



Incident Energy (MeV)

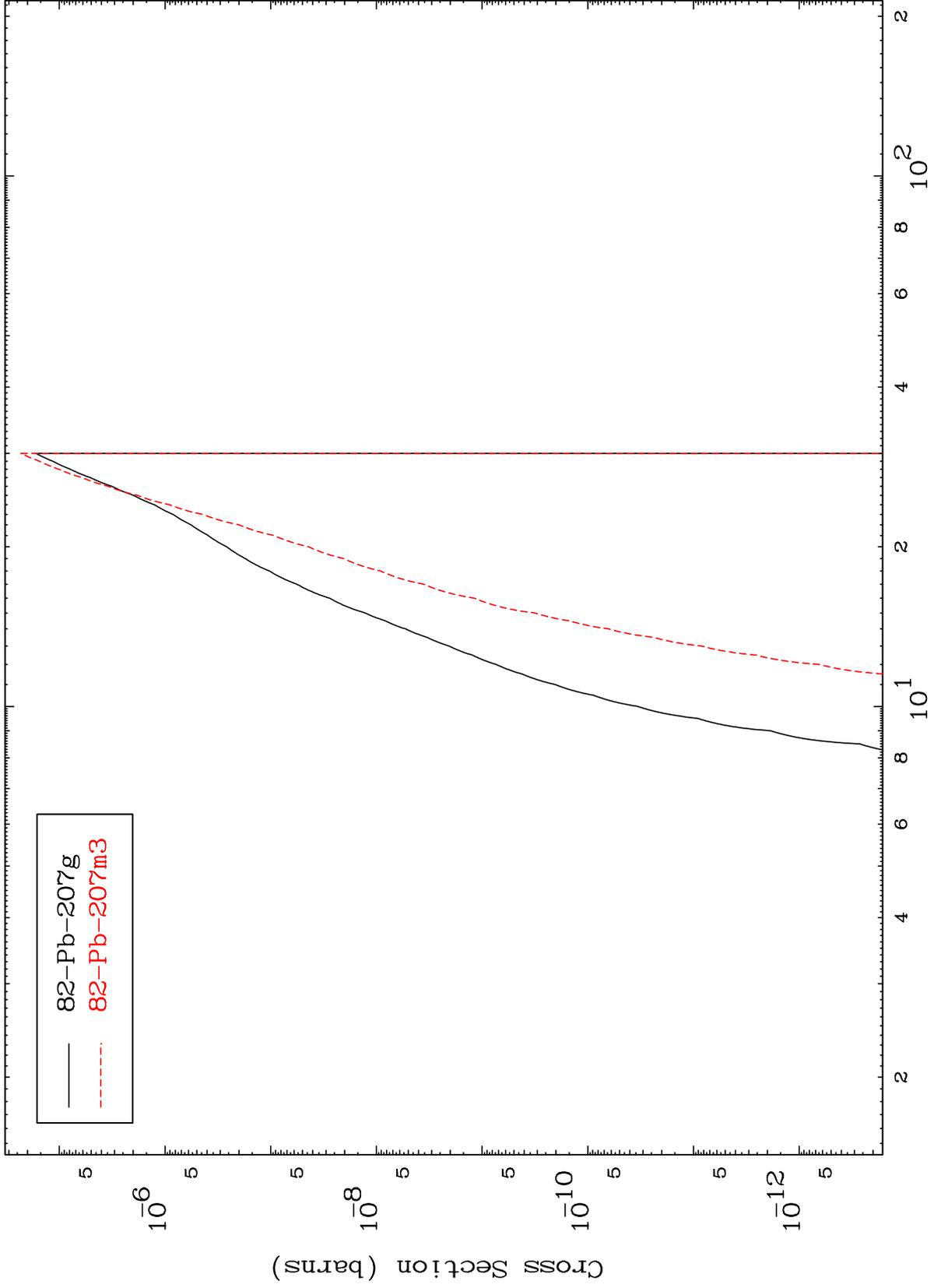
84-Po-208

134

MAT 8431

84-Po-208

(n,2p)
Radionuclide Production Cross Section



135

84-Po-208

Incident Energy (MeV)