

Program EVALPLOT  
(Version 2021-1)

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

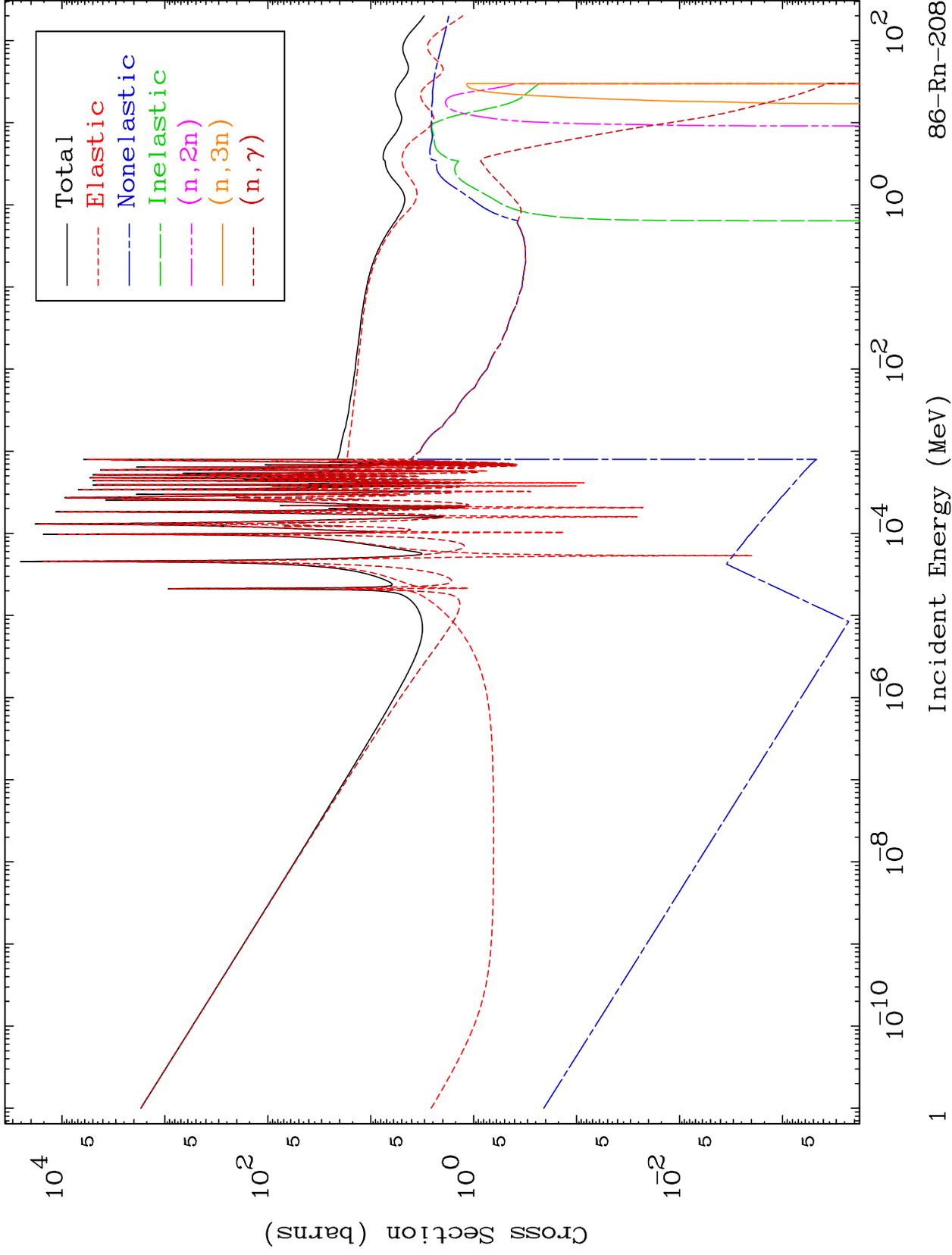
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8616

Neutron Major  
293 Kelvin Cross Sections

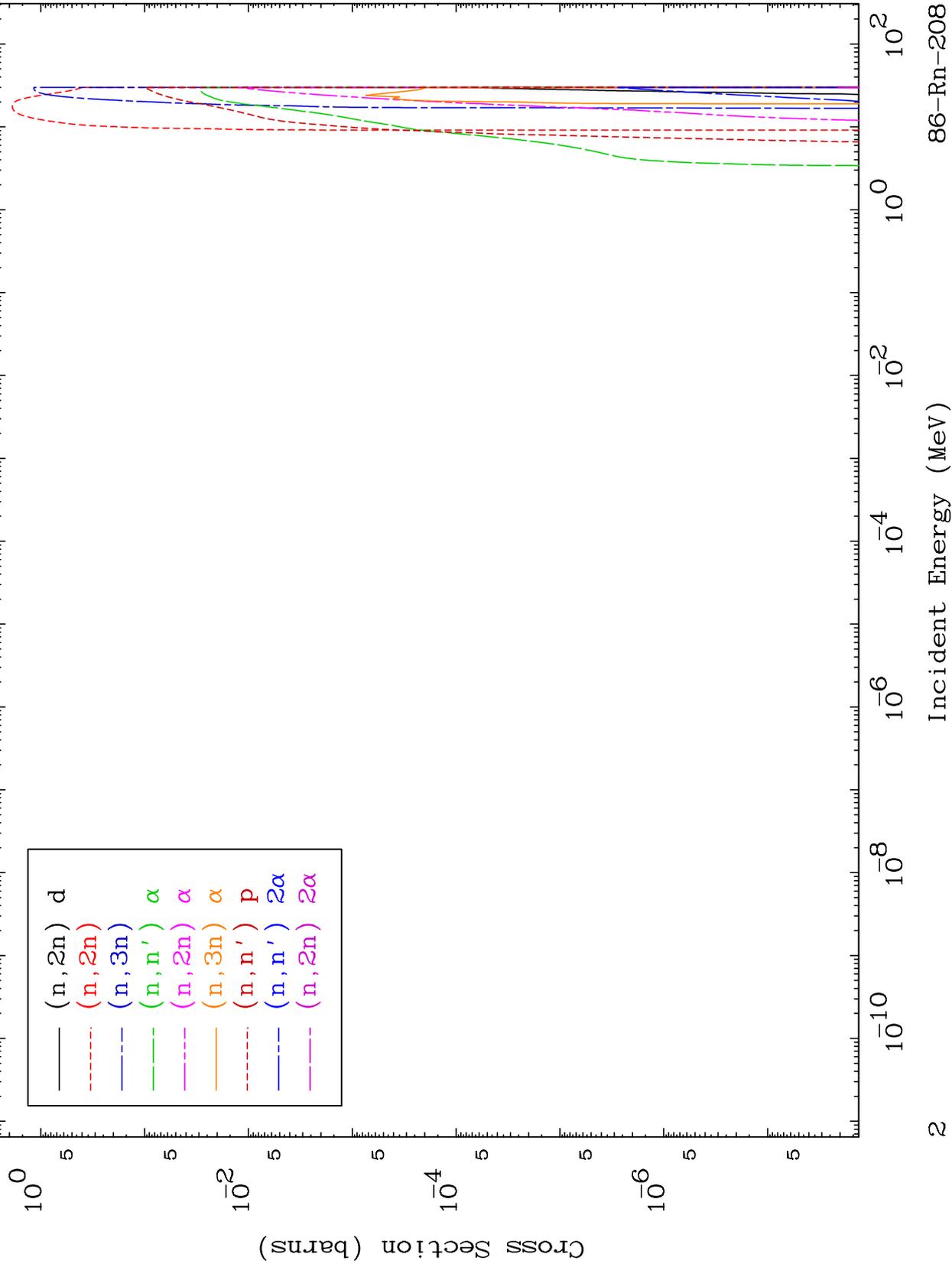
86-Rn-208



MAT 8616

Neutron Absorption  
293 Kelvin Cross Sections

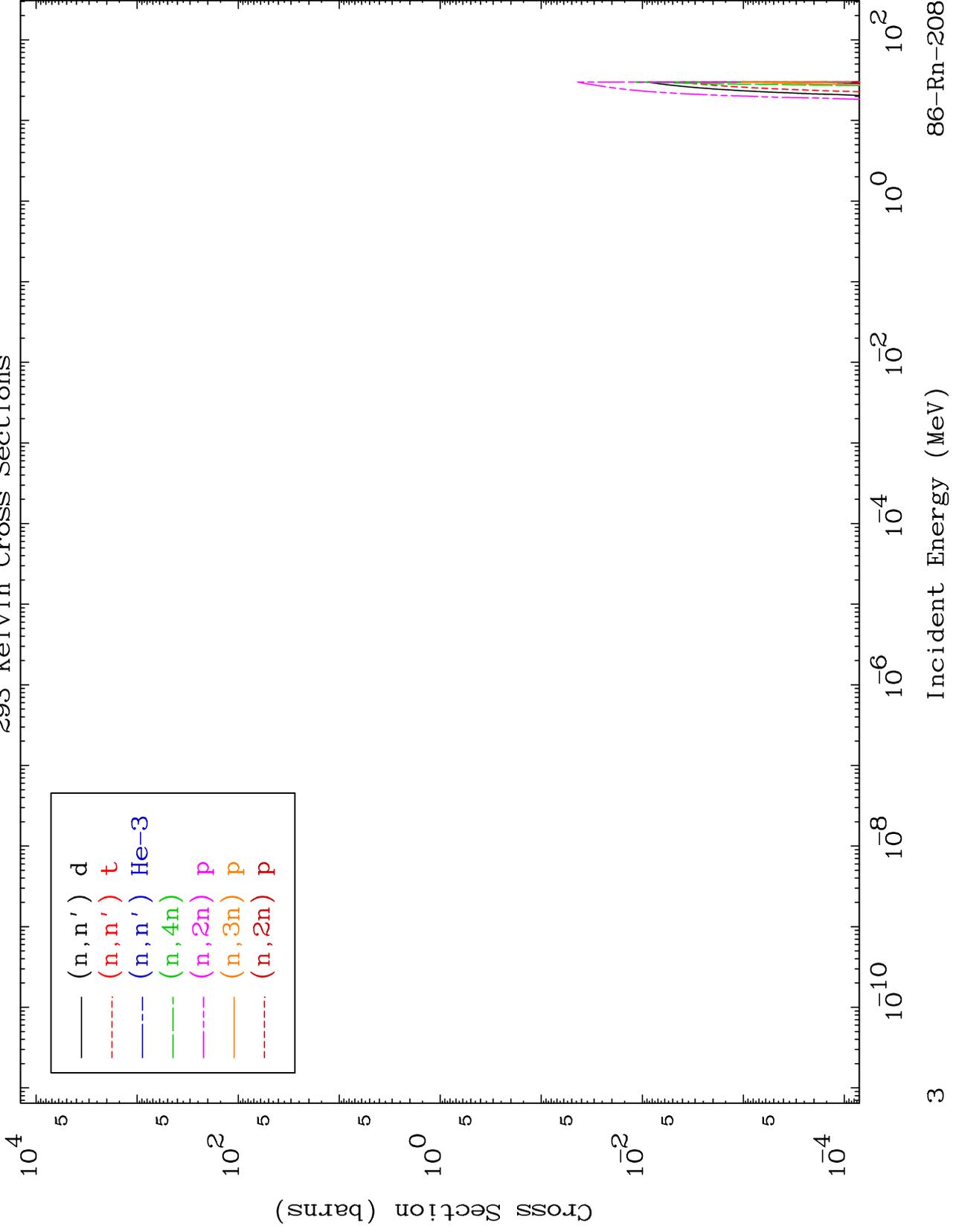
86-Rn-208



MAT 8616

Neutron Absorption  
293 Kelvin Cross Sections

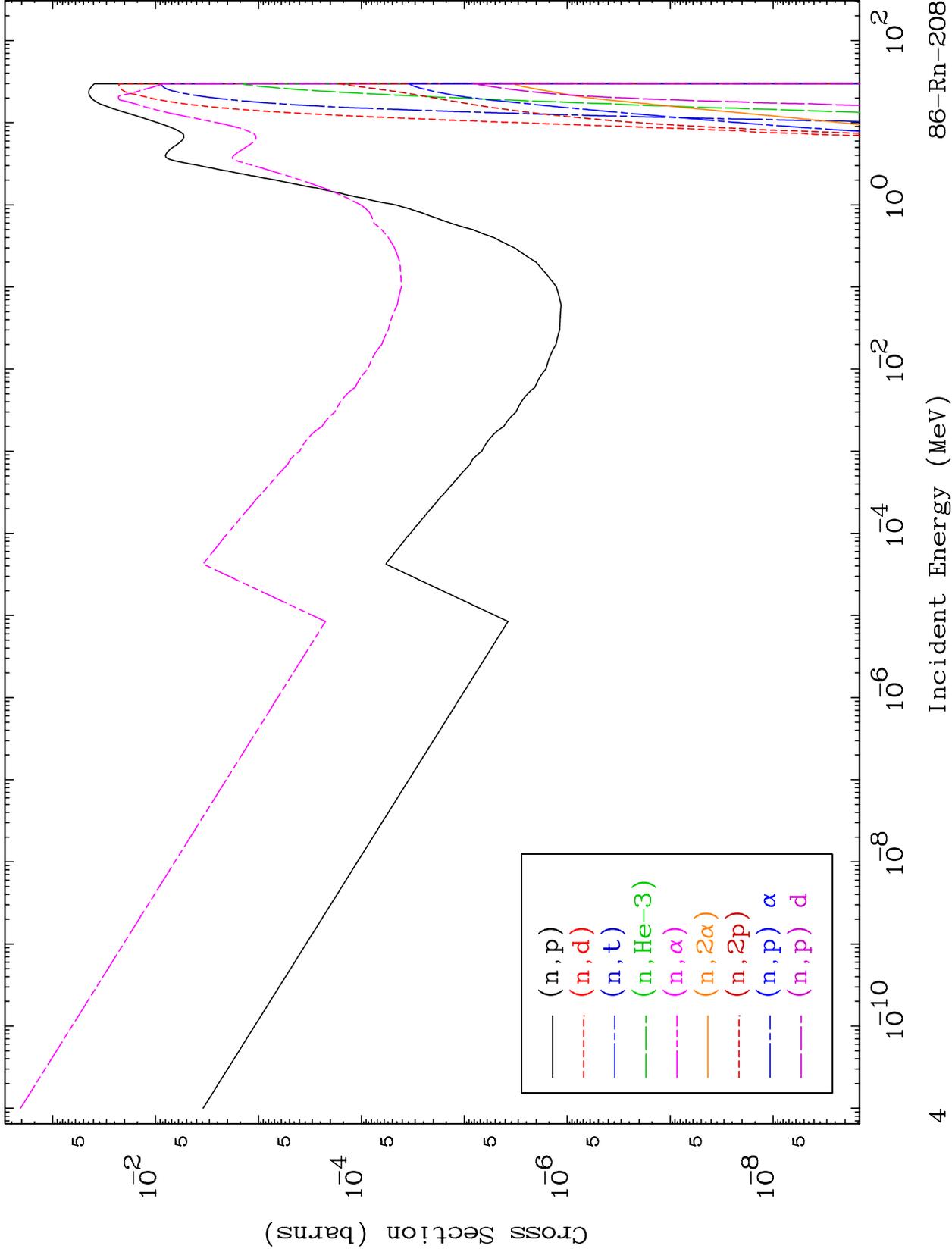
86-Rn-208



MAT 8616

Neutron Absorption  
293 Kelvin Cross Sections

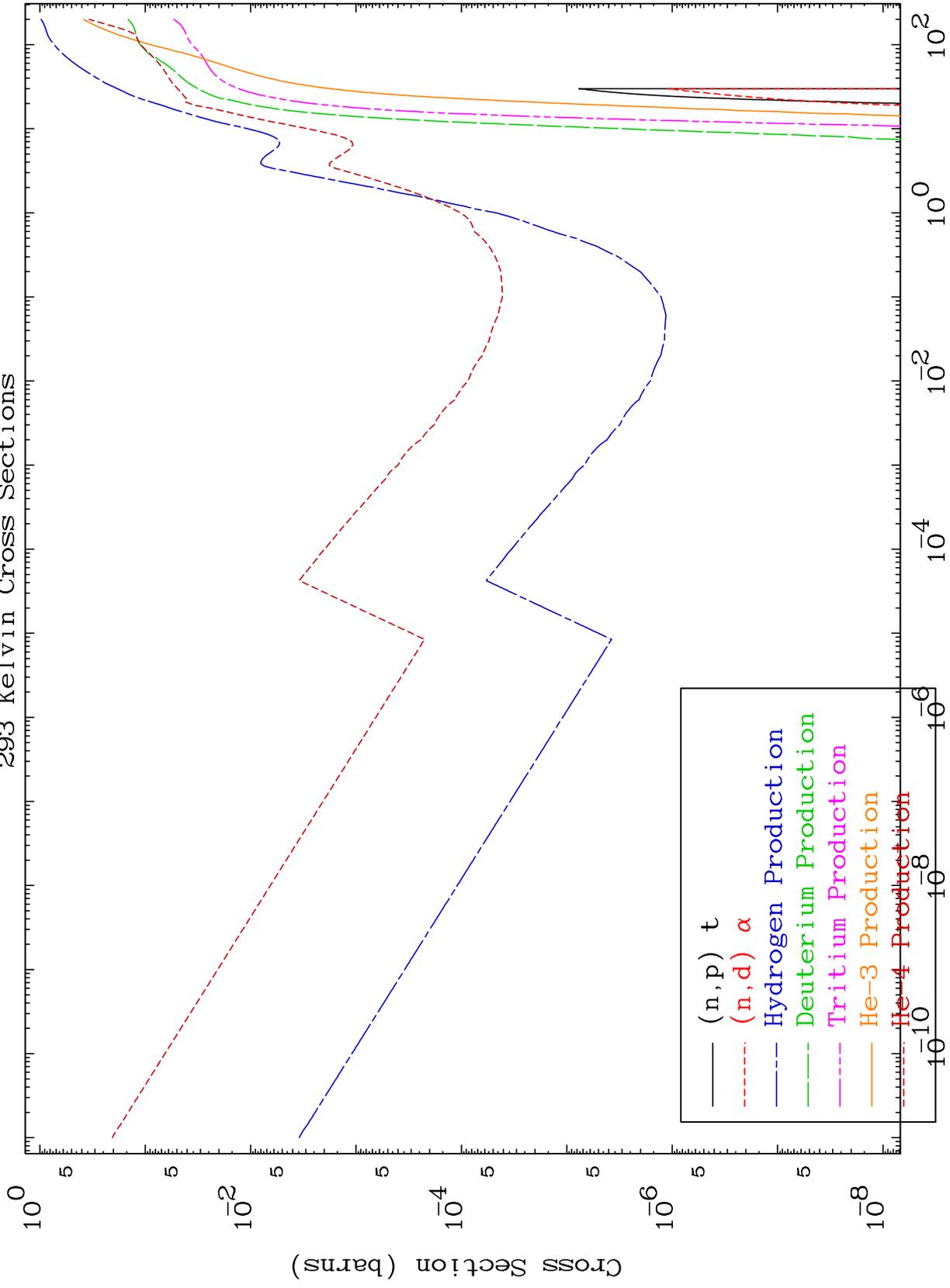
86-Rn-208



MAT 8616

Neutron Absorption  
293 Kelvin Cross Sections

86-Rn-208



5

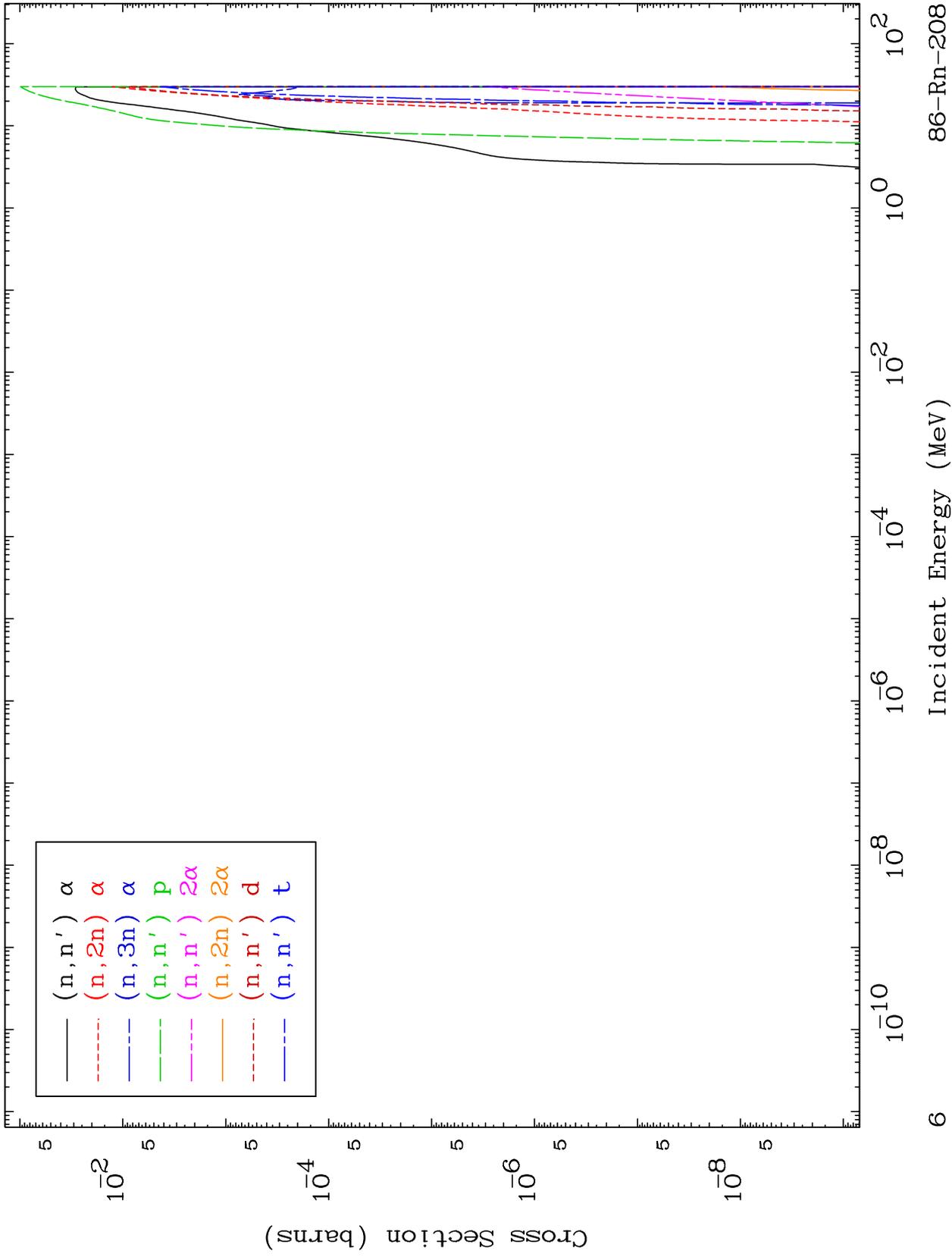
Incident Energy (MeV)

86-Rn-208

MAT 8616

Charged Particle  
293 Kelvin Cross Sections

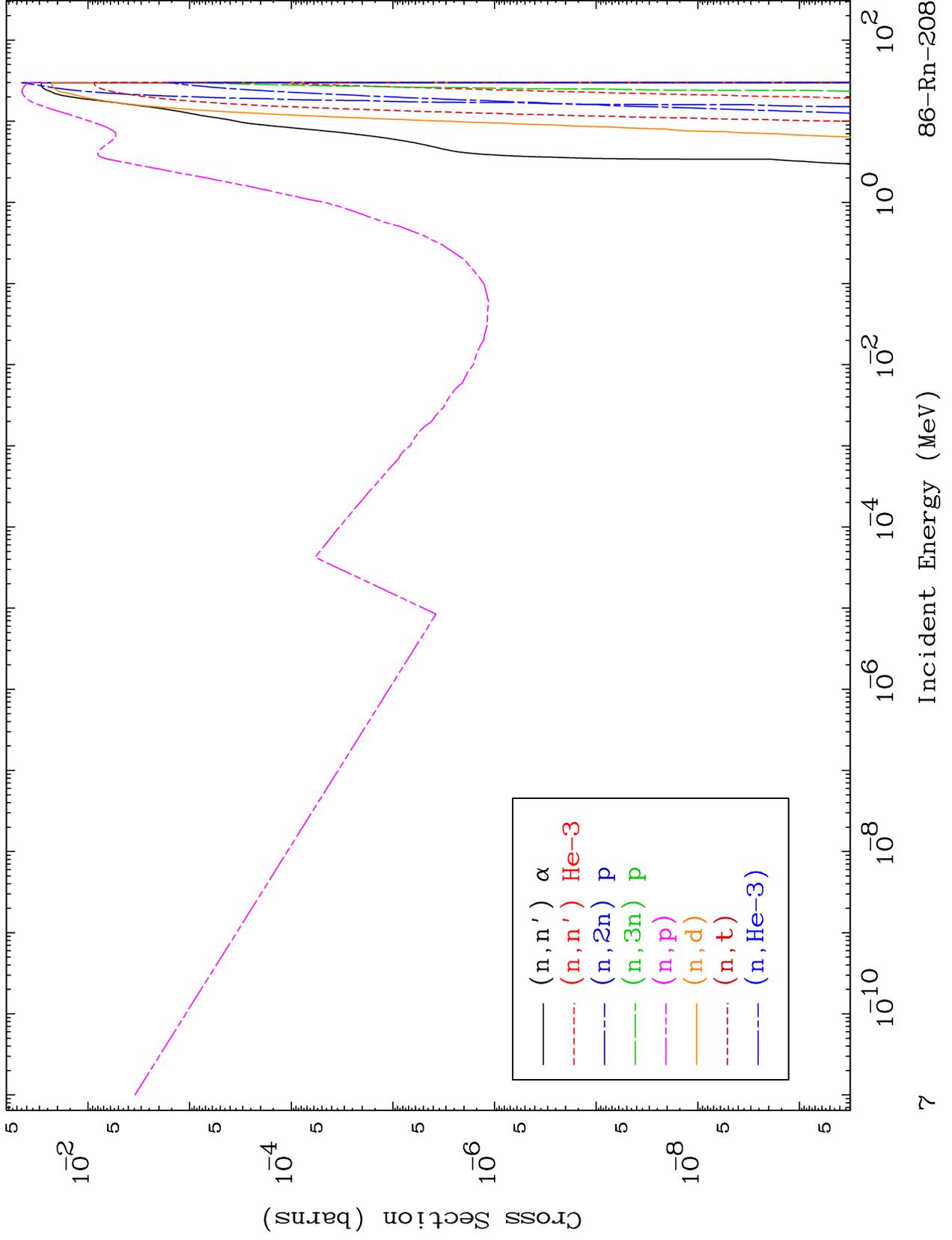
86-Rn-208



MAT 8616

Charged Particle  
293 Kelvin Cross Sections

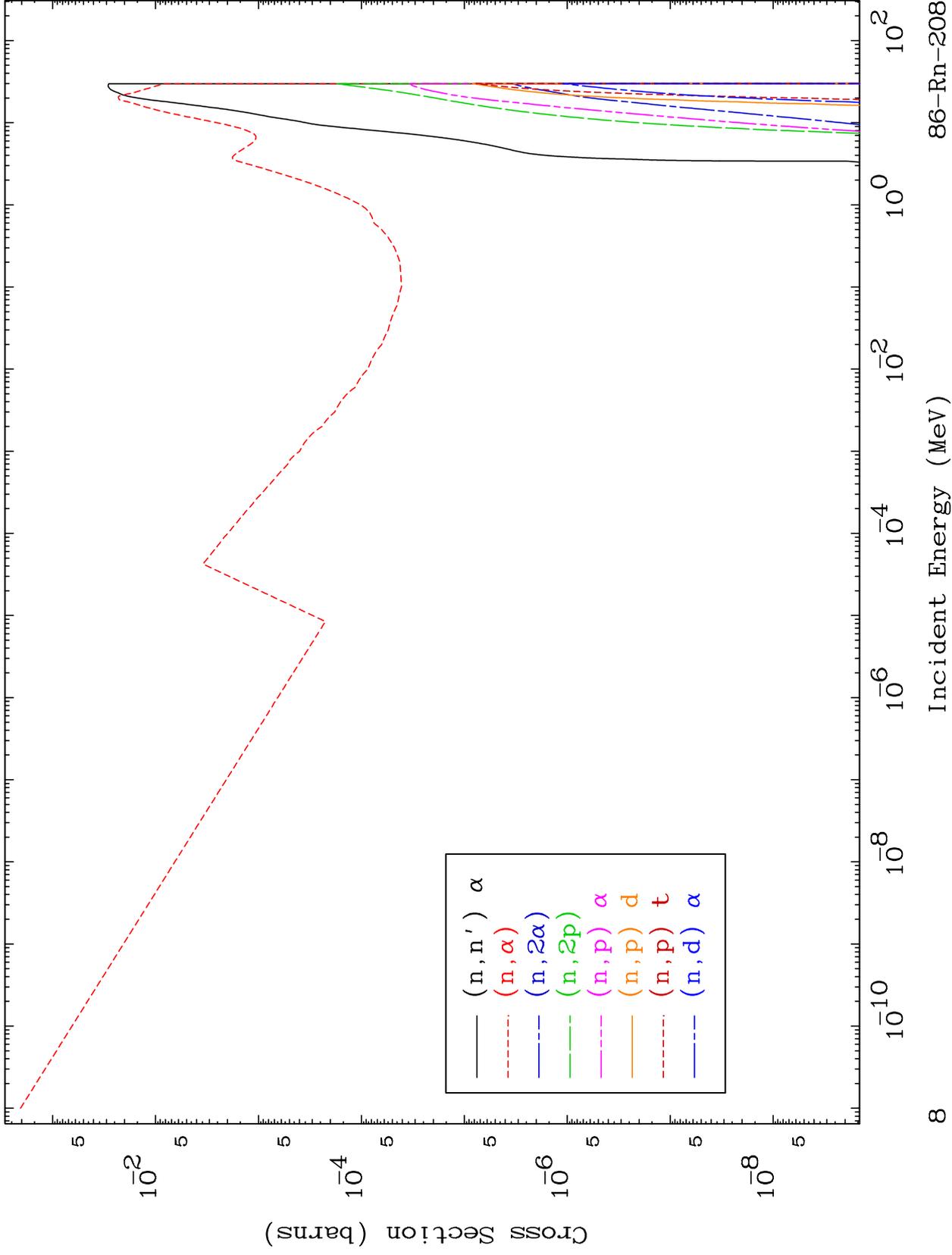
86-Rn-208



MAT 8616

Charged Particle  
293 Kelvin Cross Sections

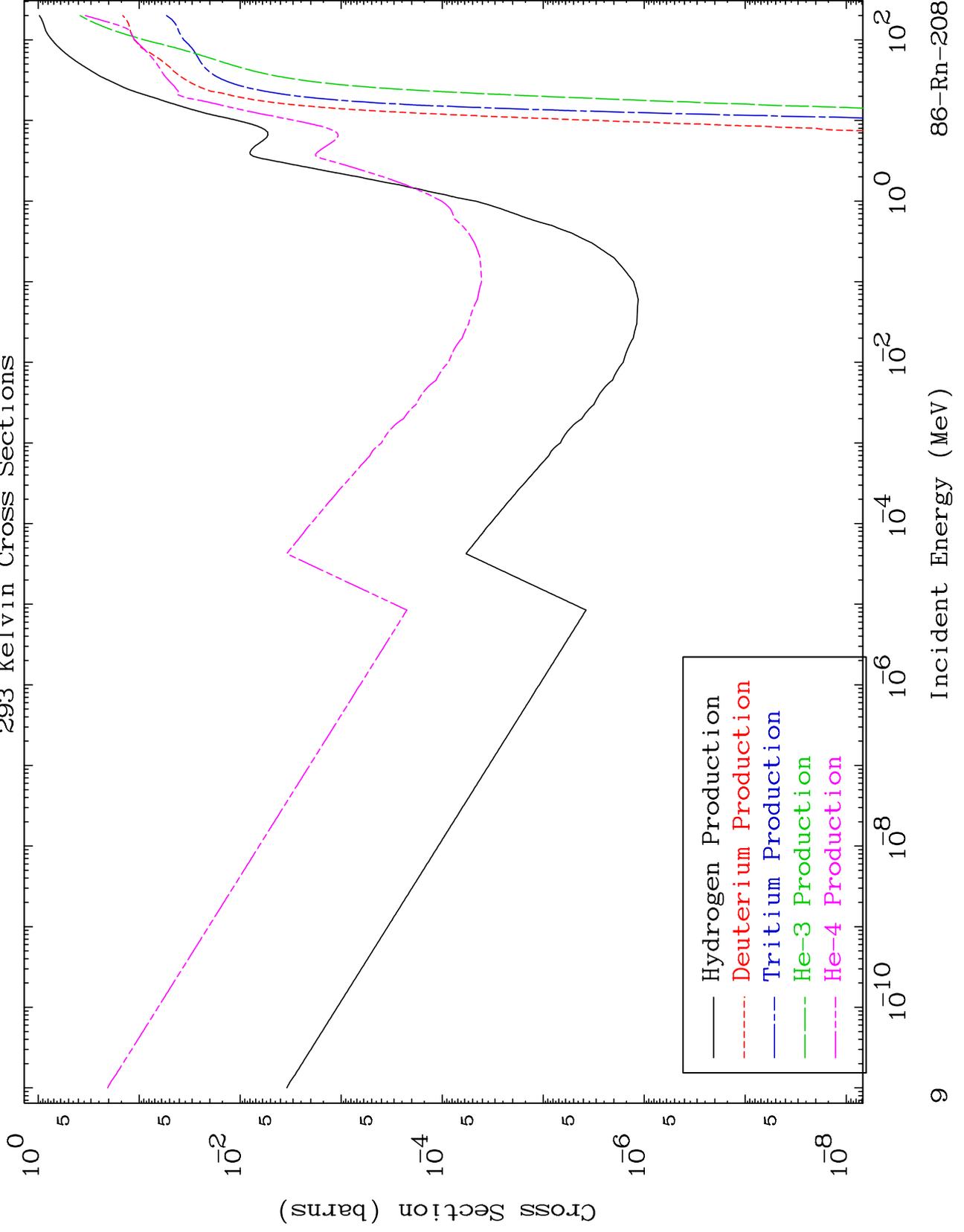
86-Rn-208

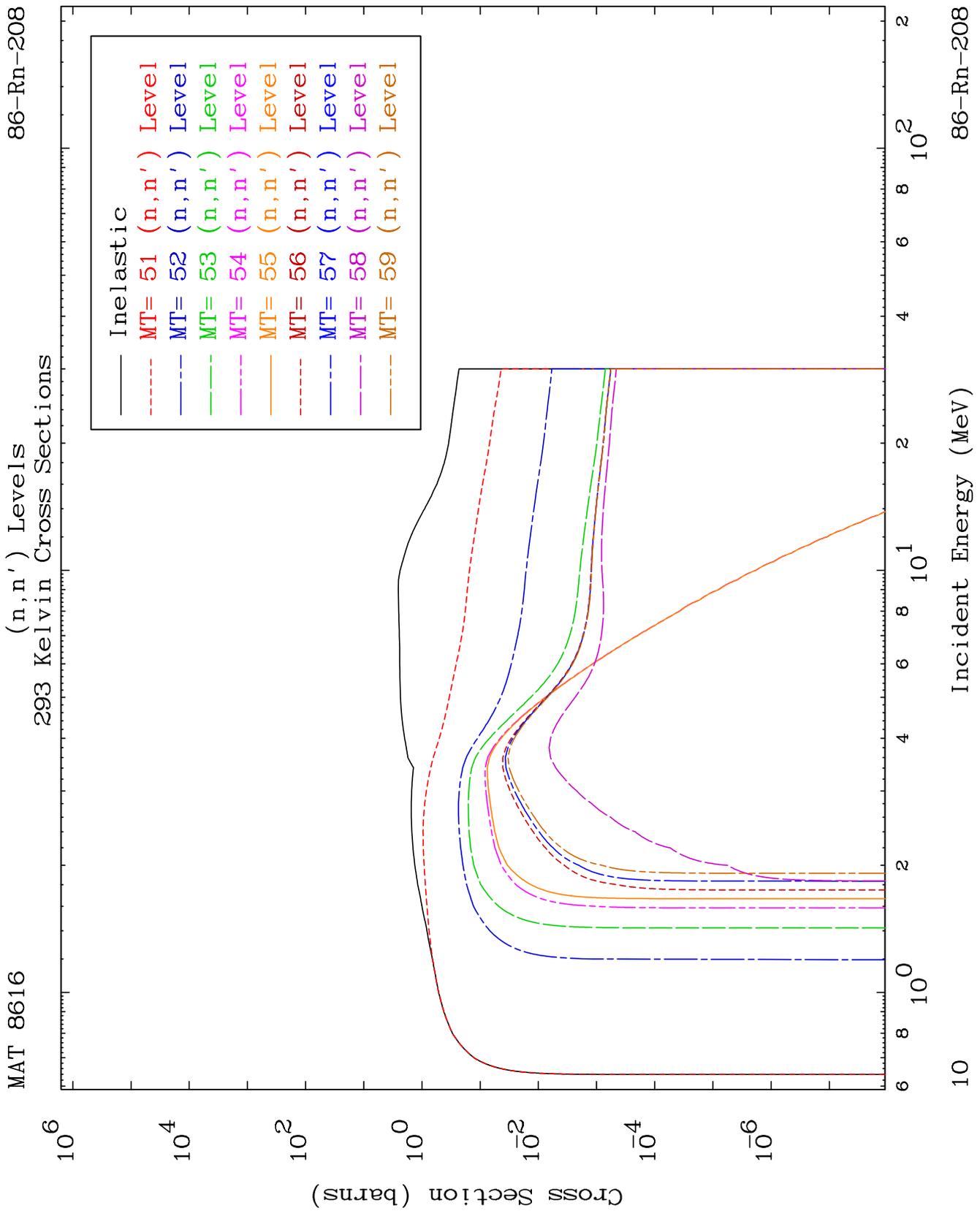


MAT 8616

Particle Production  
293 Kelvin Cross Sections

86-Rn-208

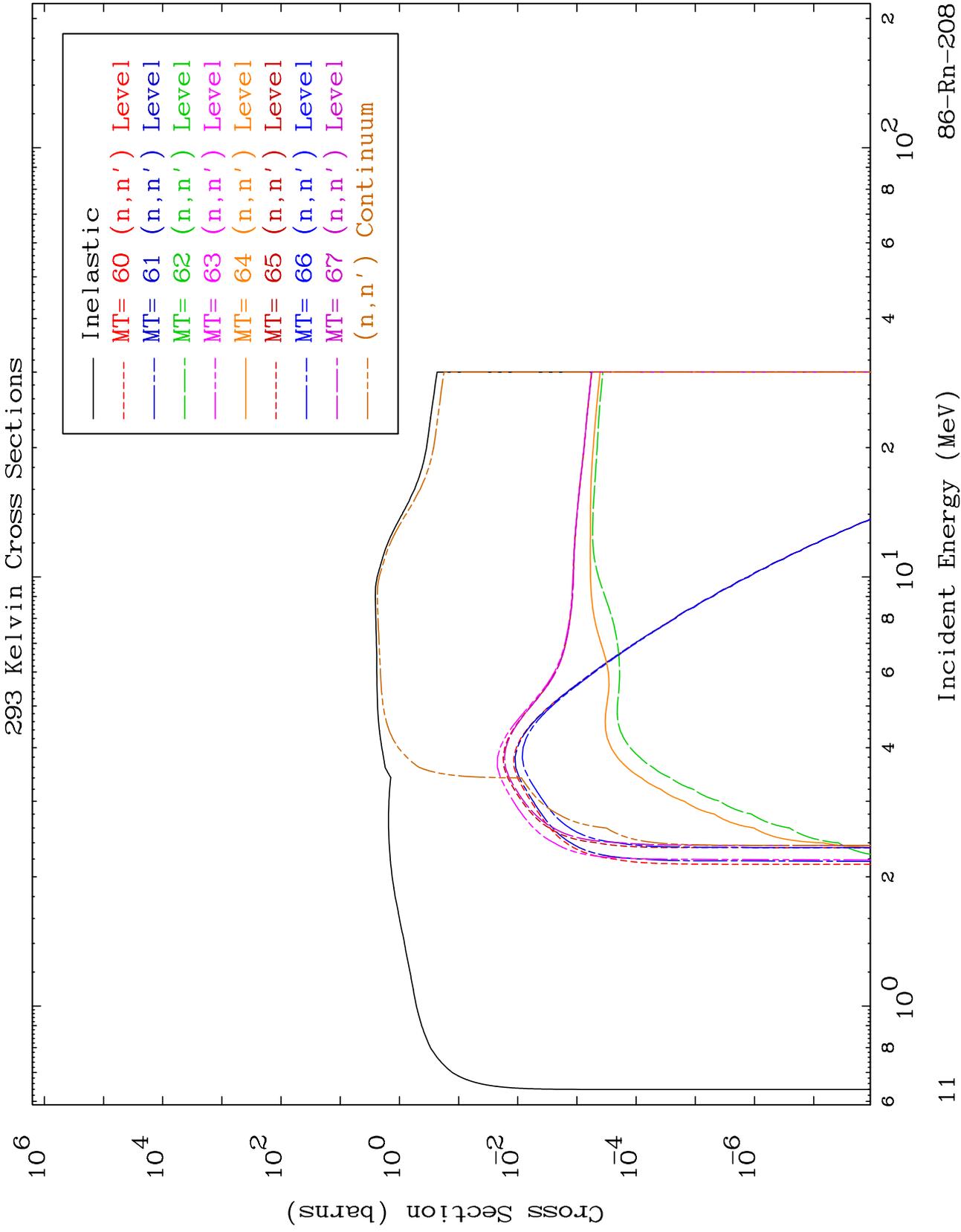




MAT 8616

(n,n') Levels

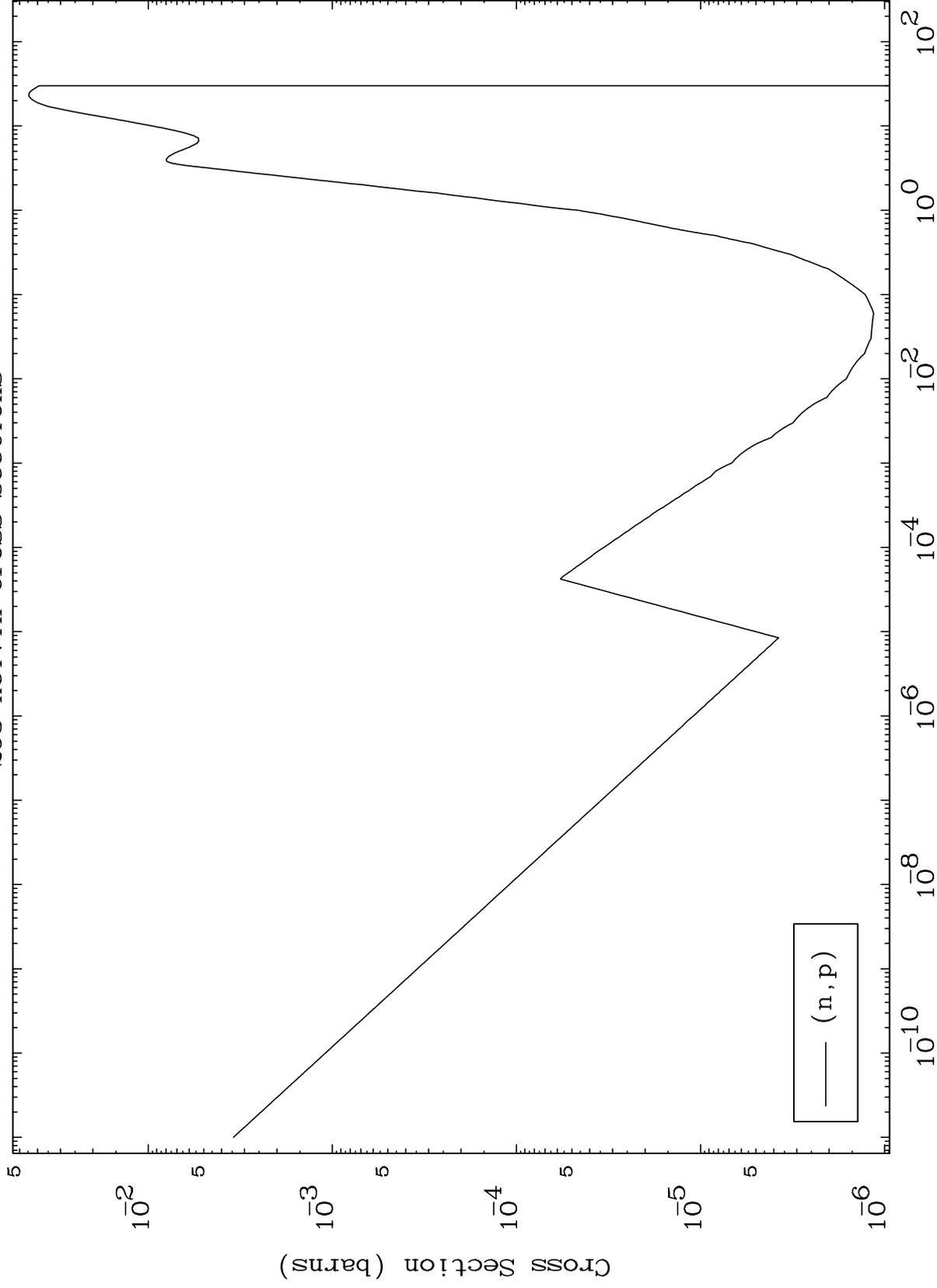
86-Rn-208



MAT 8616

(n,p) Levels  
293 Kelvin Cross Sections

86-Rn-208



12

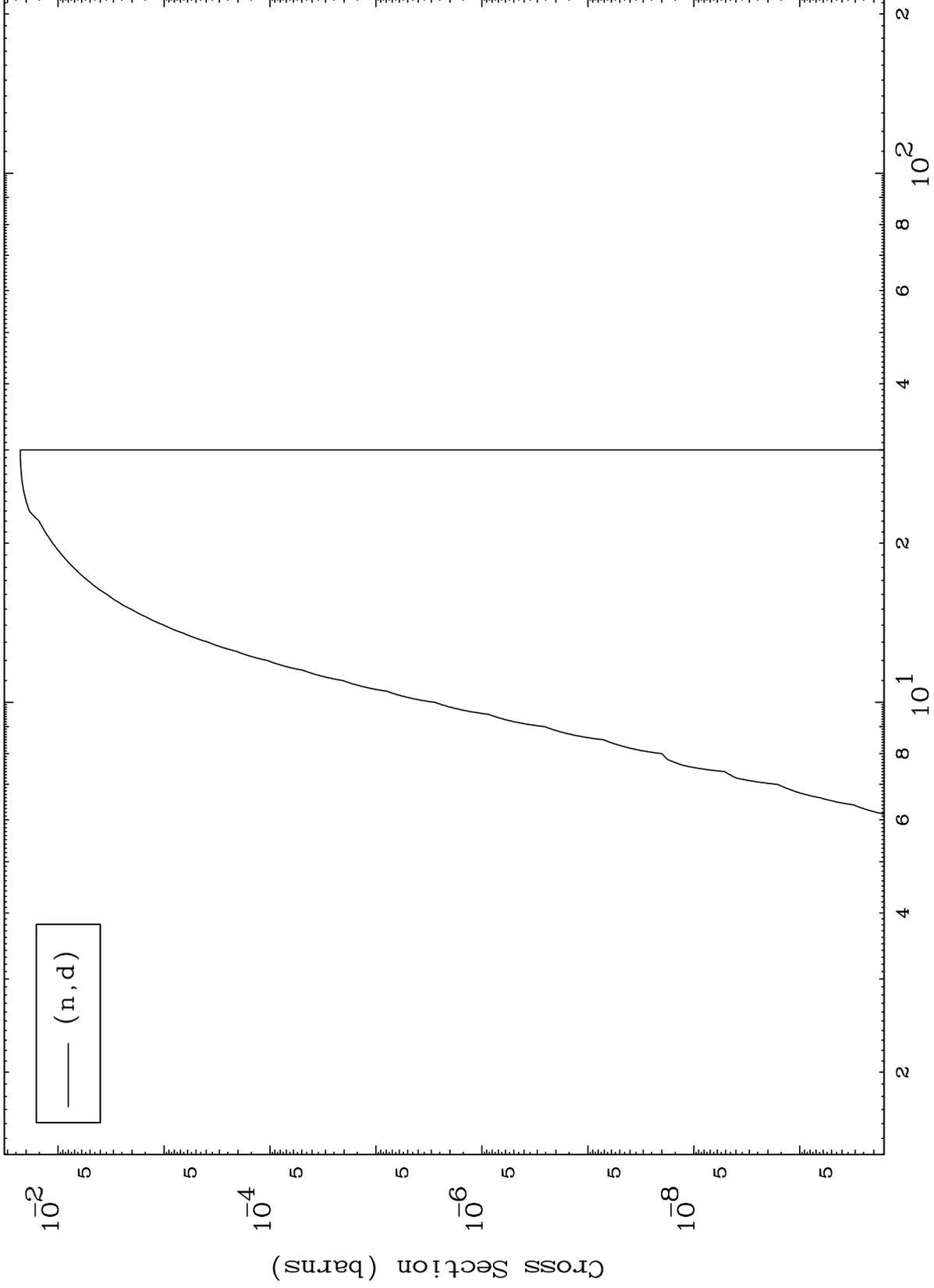
Incident Energy (MeV)

86-Rn-208

MAT 8616

(n,d) Levels  
293 Kelvin Cross Sections

86-Rn-208



13

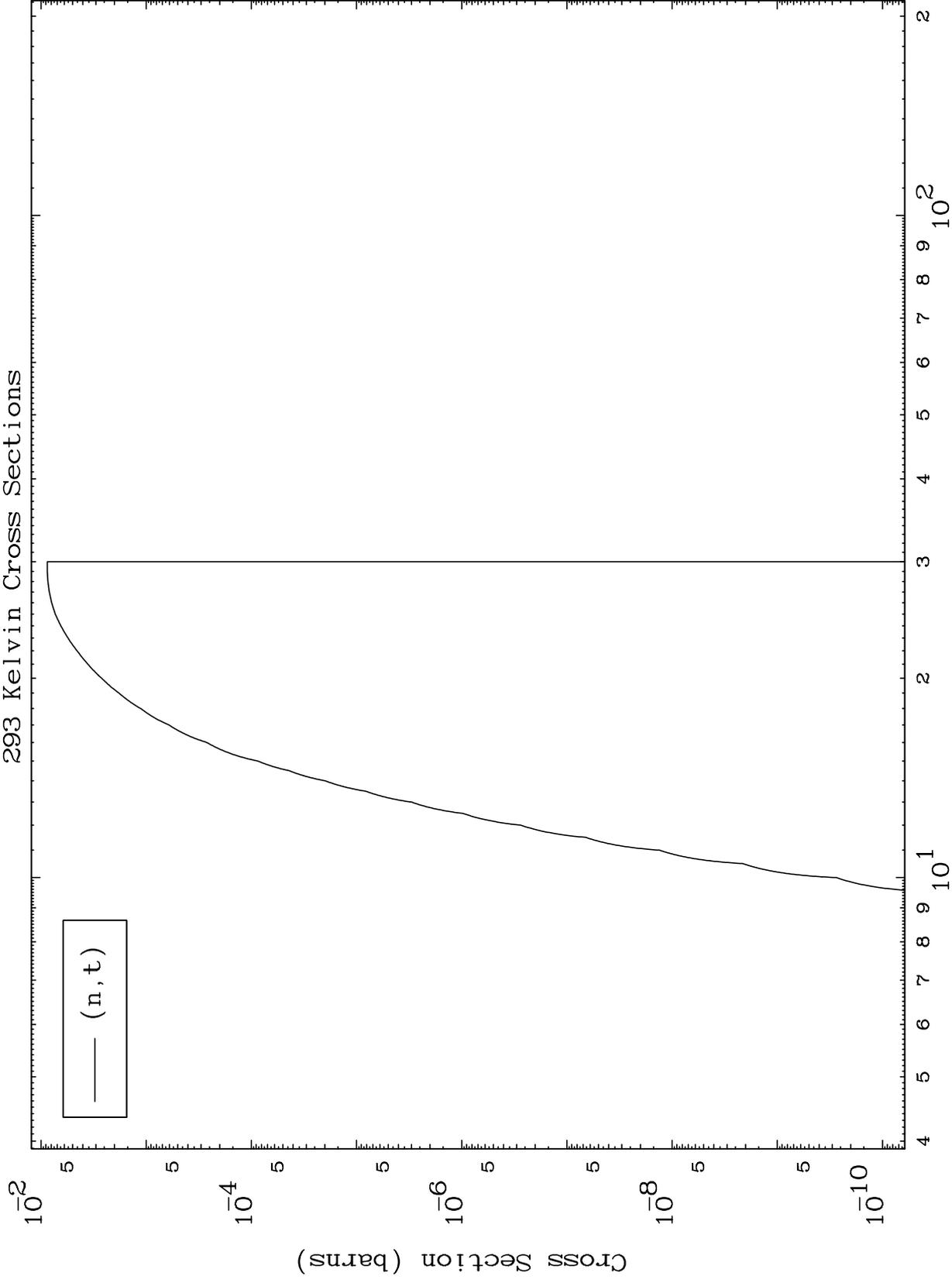
Incident Energy (MeV)

86-Rn-208

MAT 8616

(n,t) Levels  
293 Kelvin Cross Sections

86-Rn-208



14

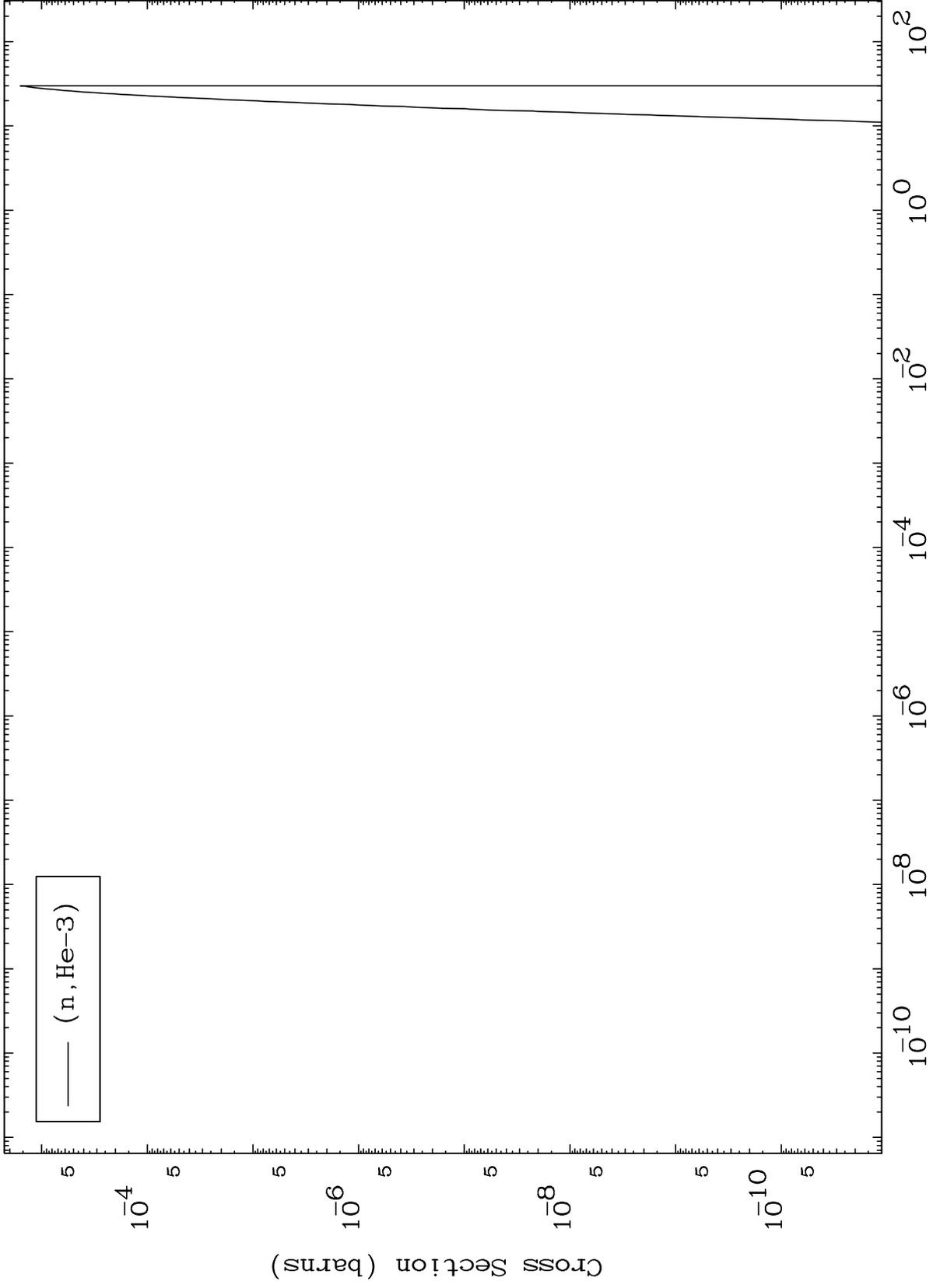
Incident Energy (MeV)

86-Rn-208

MAT 8616

(n,He3) Levels  
293 Kelvin Cross Sections

86-Rn-208



15

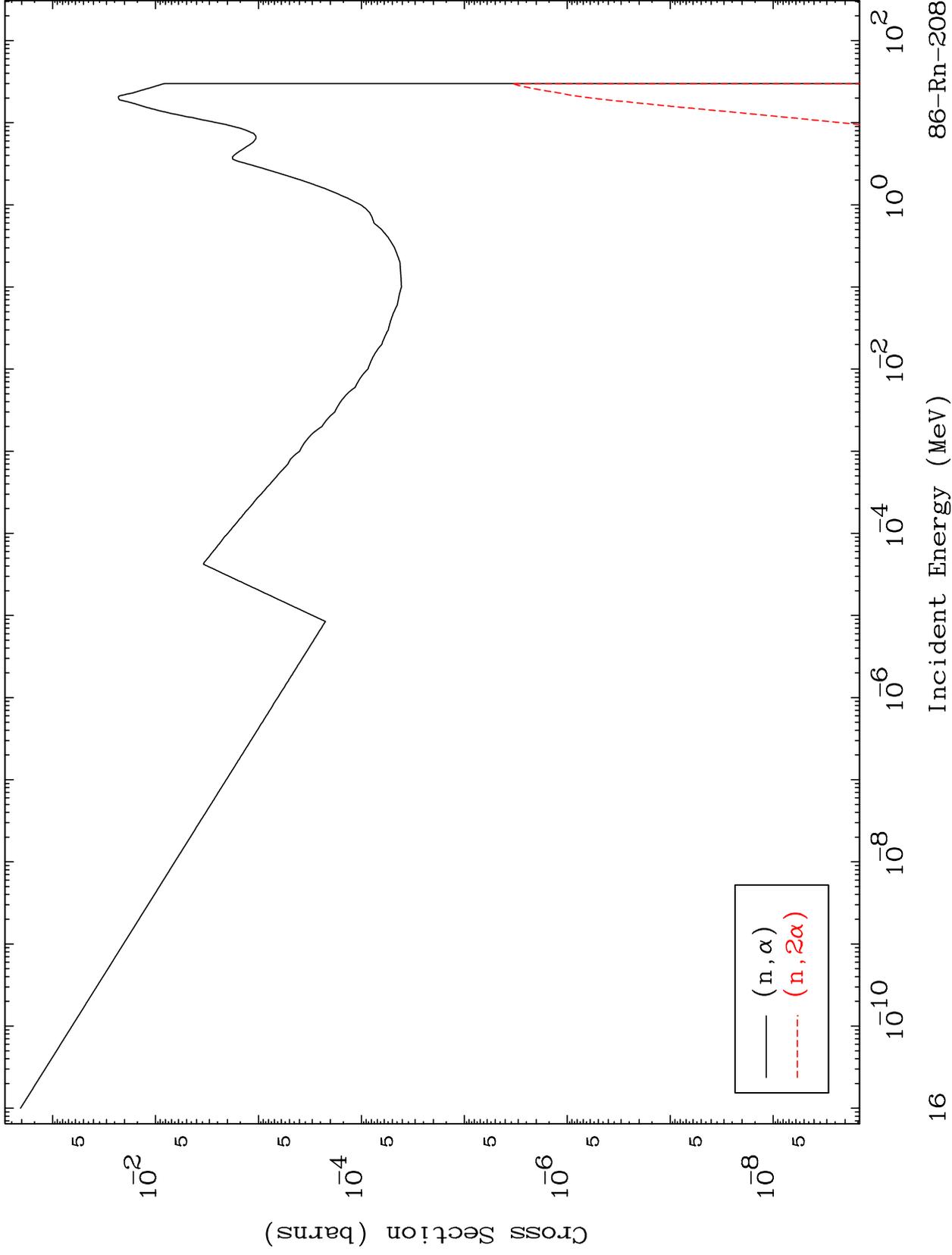
Incident Energy (MeV)

86-Rn-208

MAT 8616

(n,α) Levels  
293 Kelvin Cross Sections

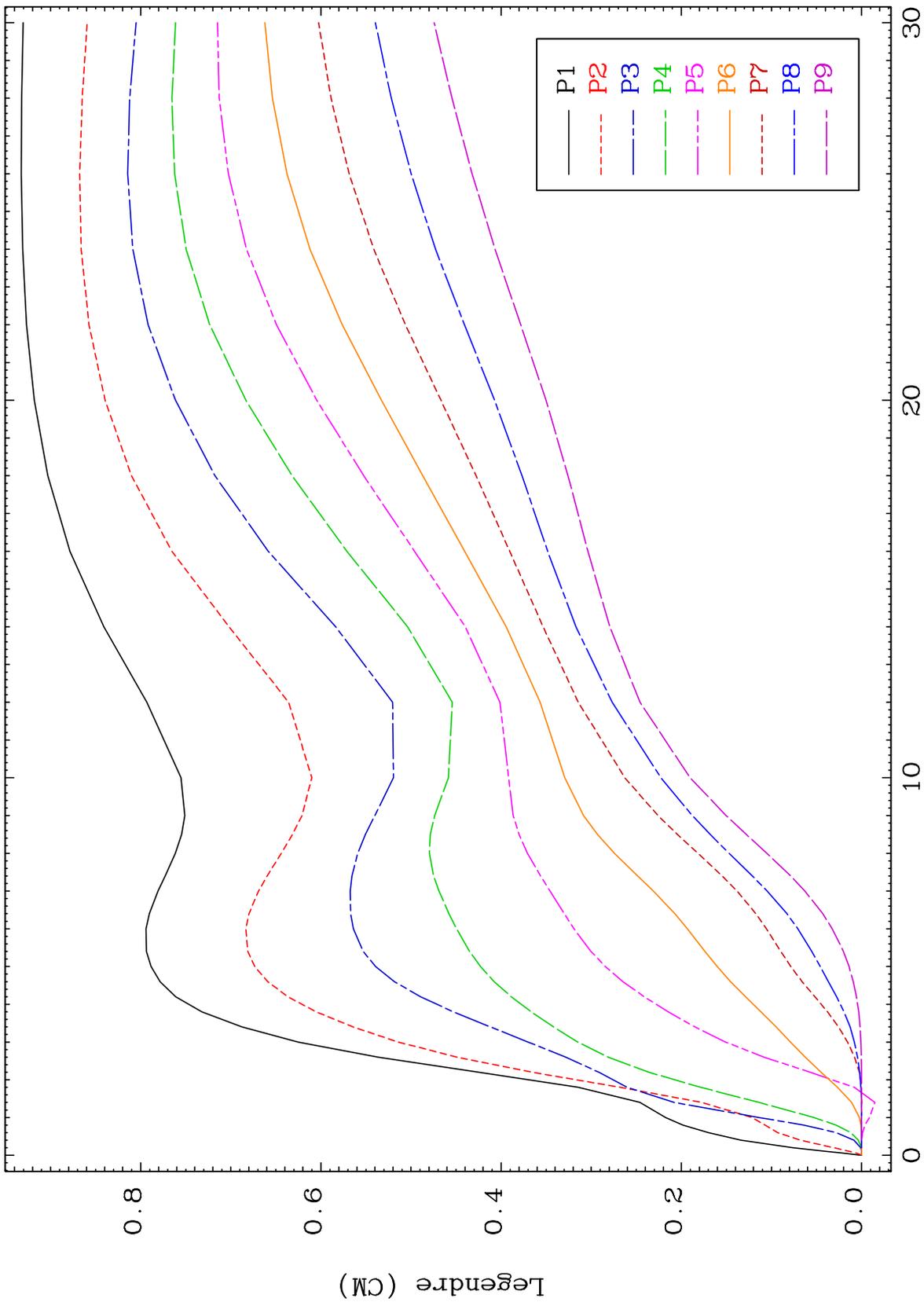
86-Rn-208



MAT 8616

86-Rn-208

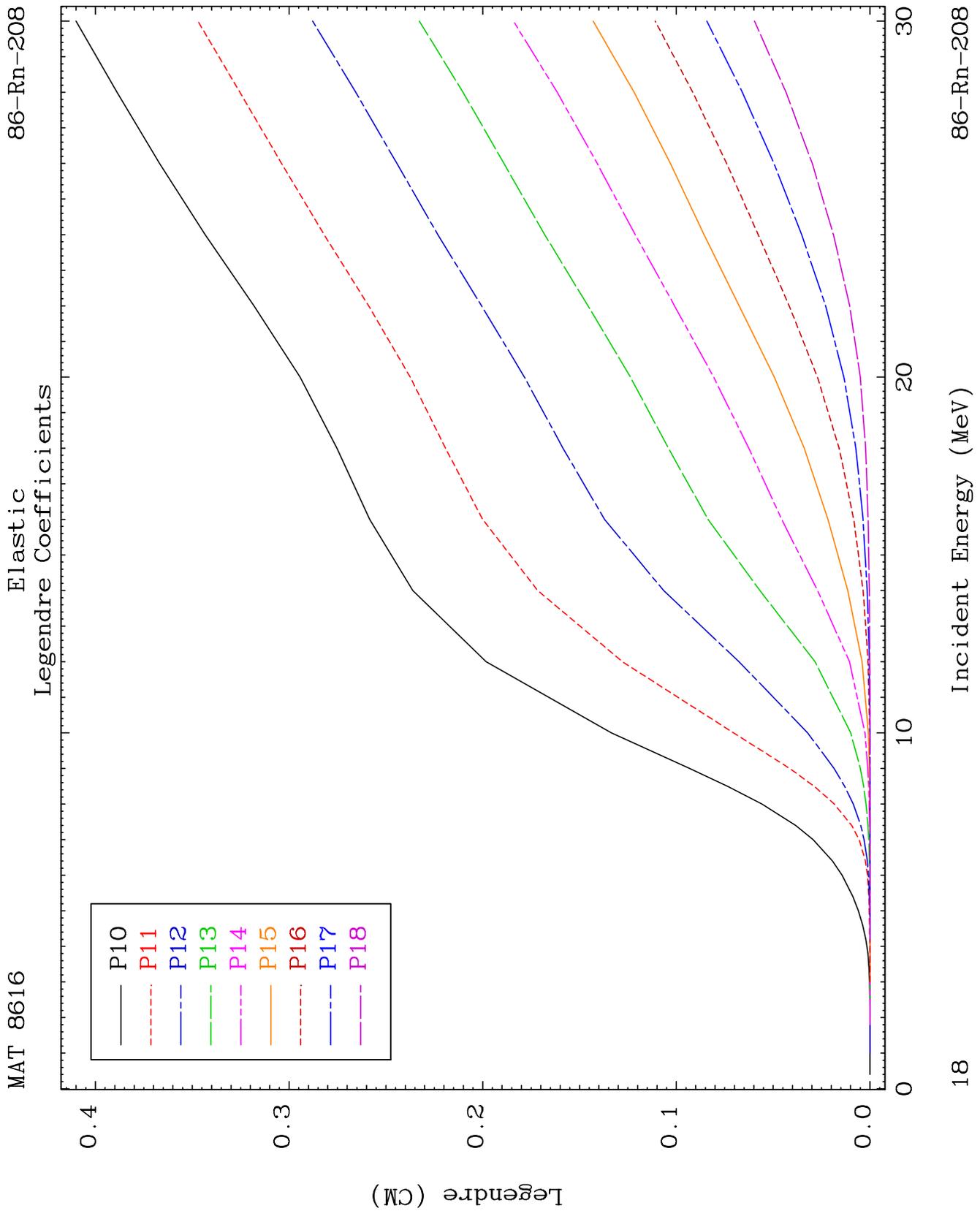
Elastic Legendre Coefficients



17

Incident Energy (MeV)

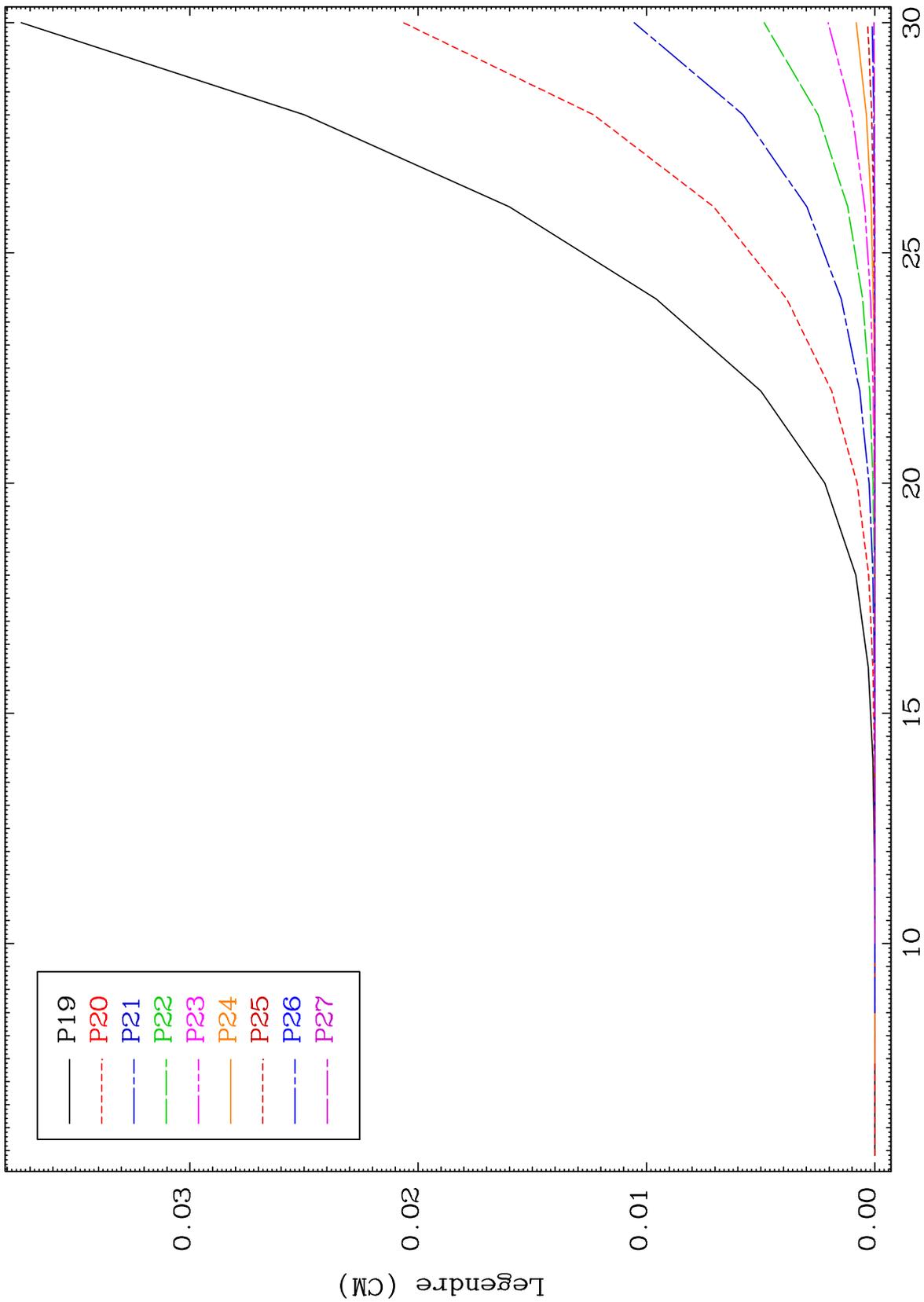
86-Rn-208



MAT 8616

Elastic  
Legendre Coefficients

86-Rn-208



19

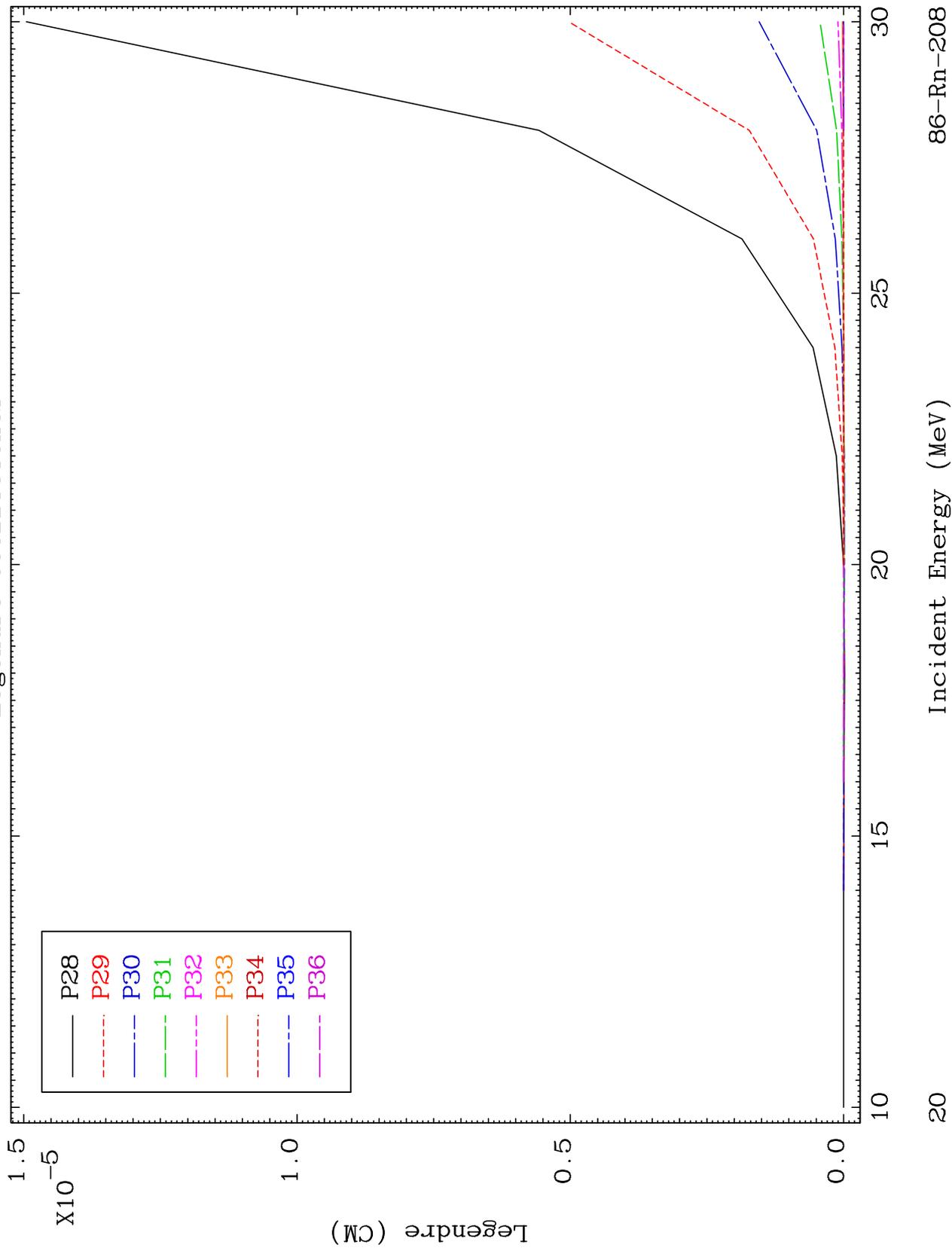
Incident Energy (MeV)

86-Rn-208

MAT 8616

Elastic Legendre Coefficients

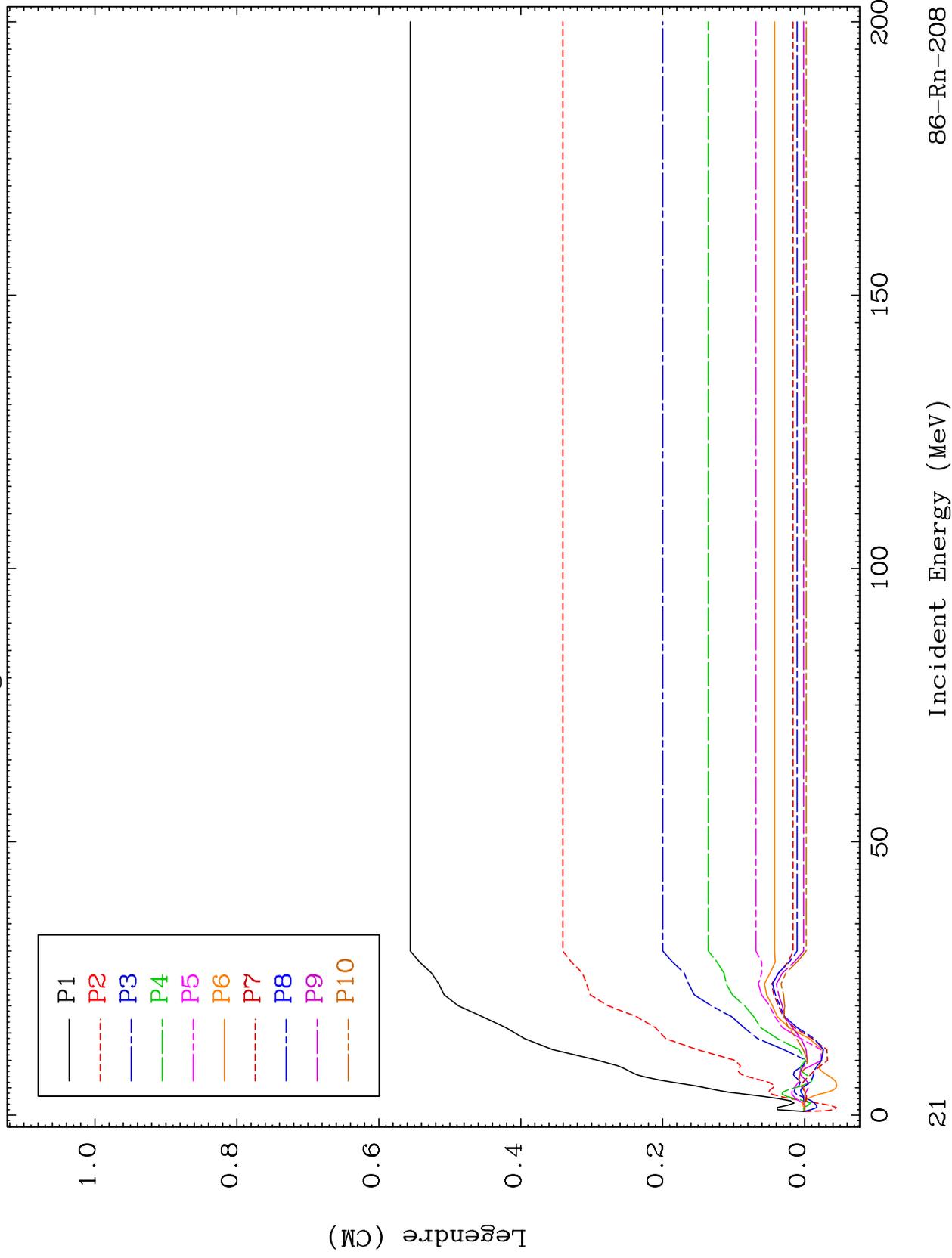
86-Rn-208



MAT 8616

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

86-Rn-208

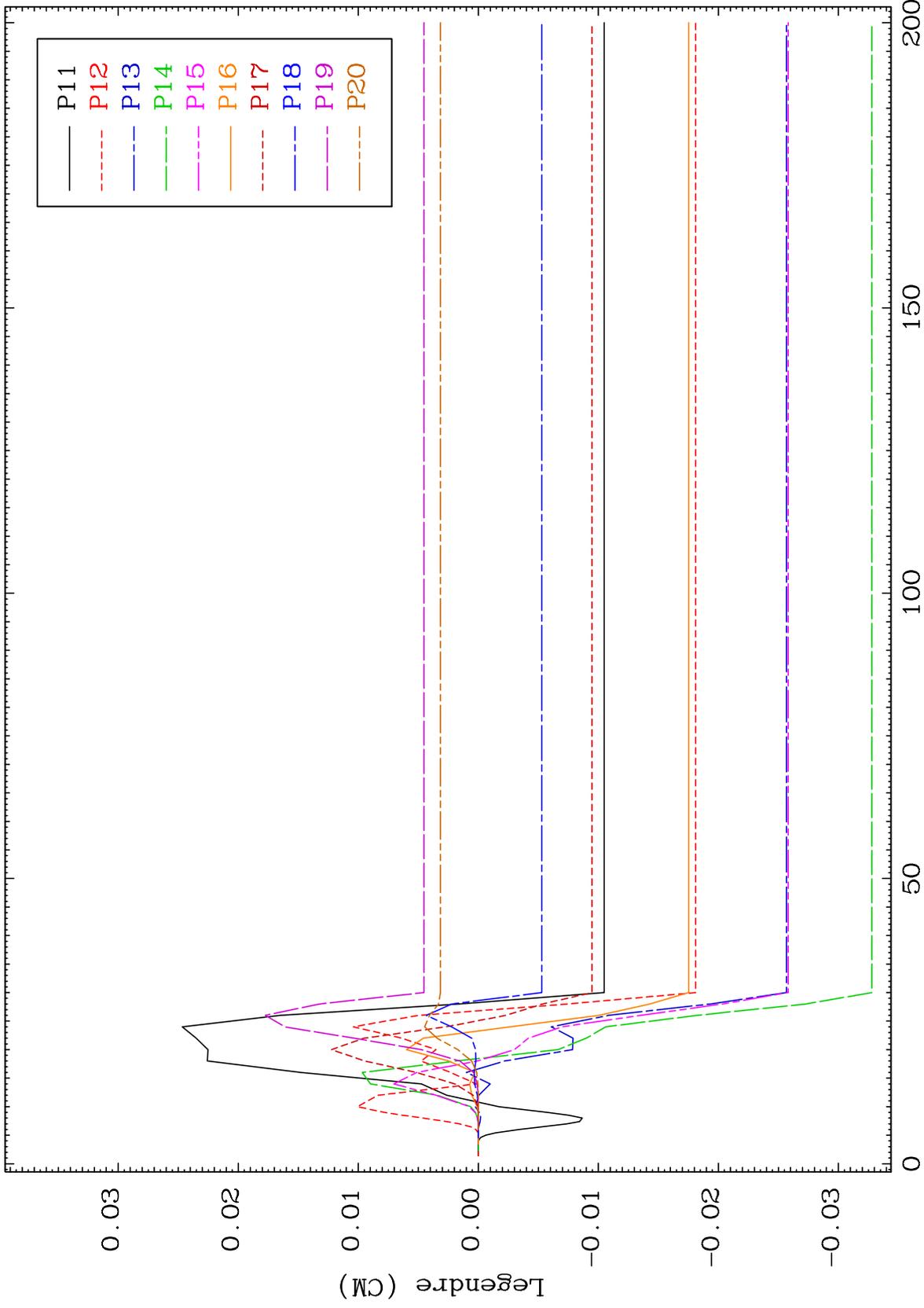


21

MAT 8616

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

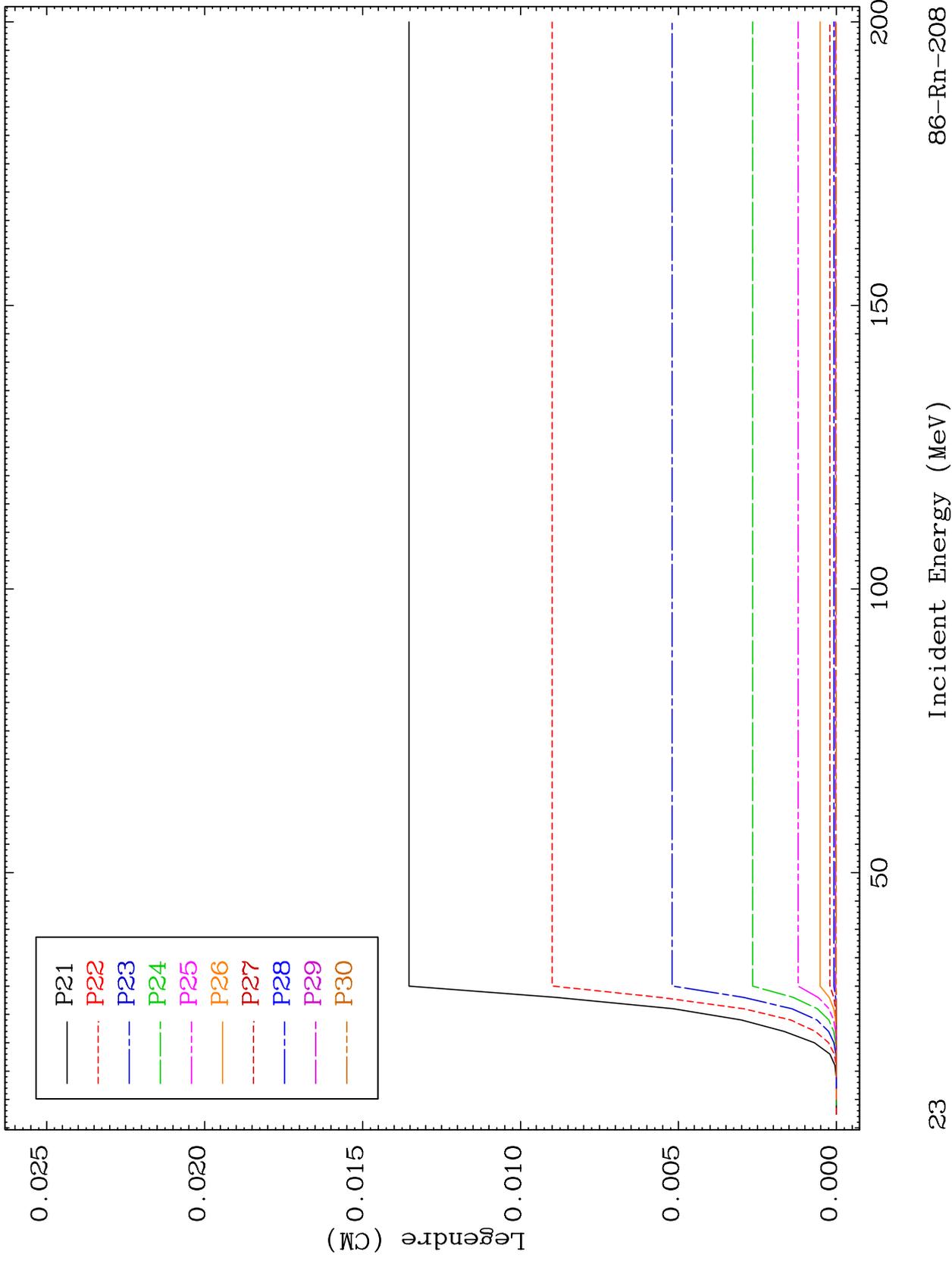
86-Rn-208



22

Incident Energy (MeV)

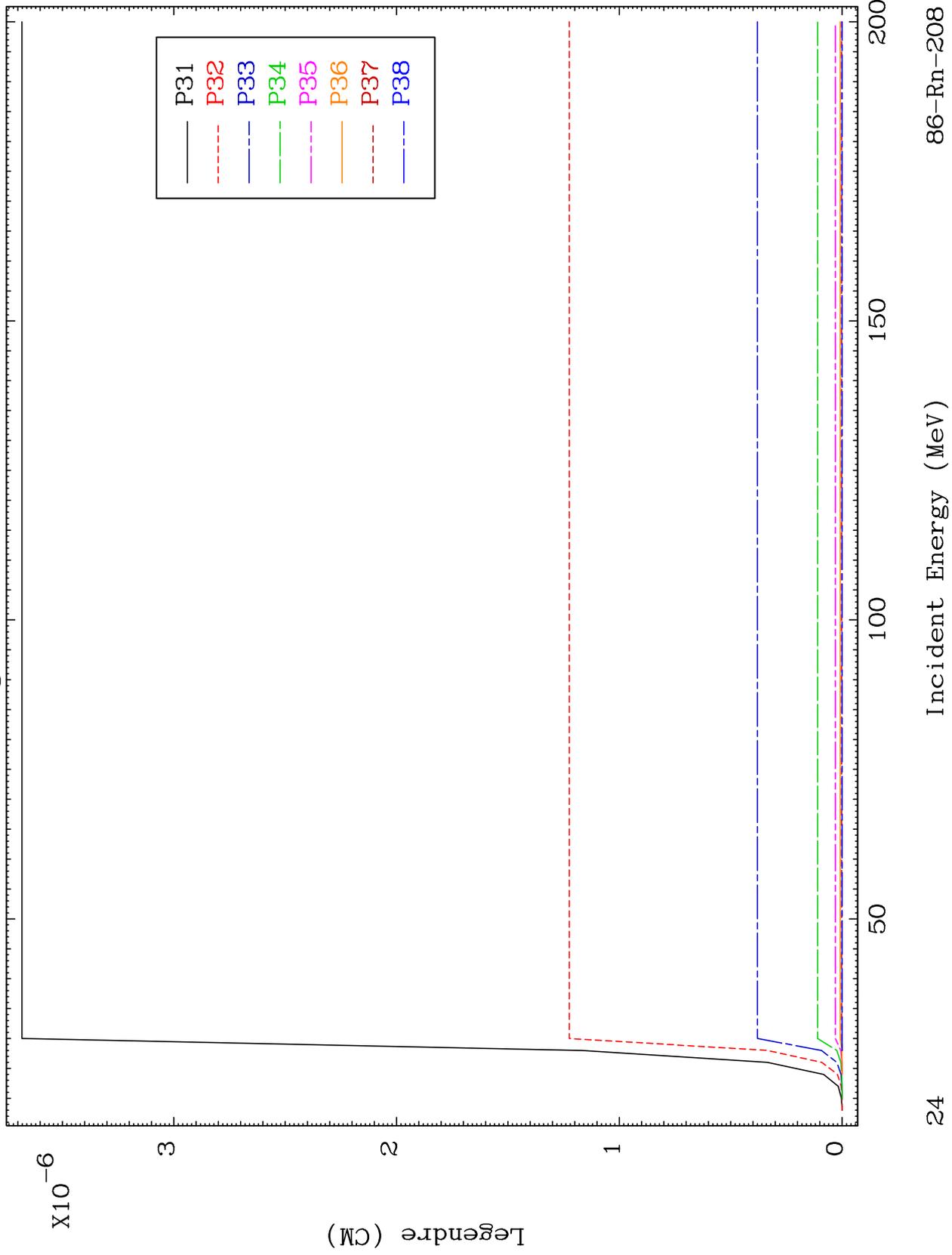
86-Rn-208



MAT 8616

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

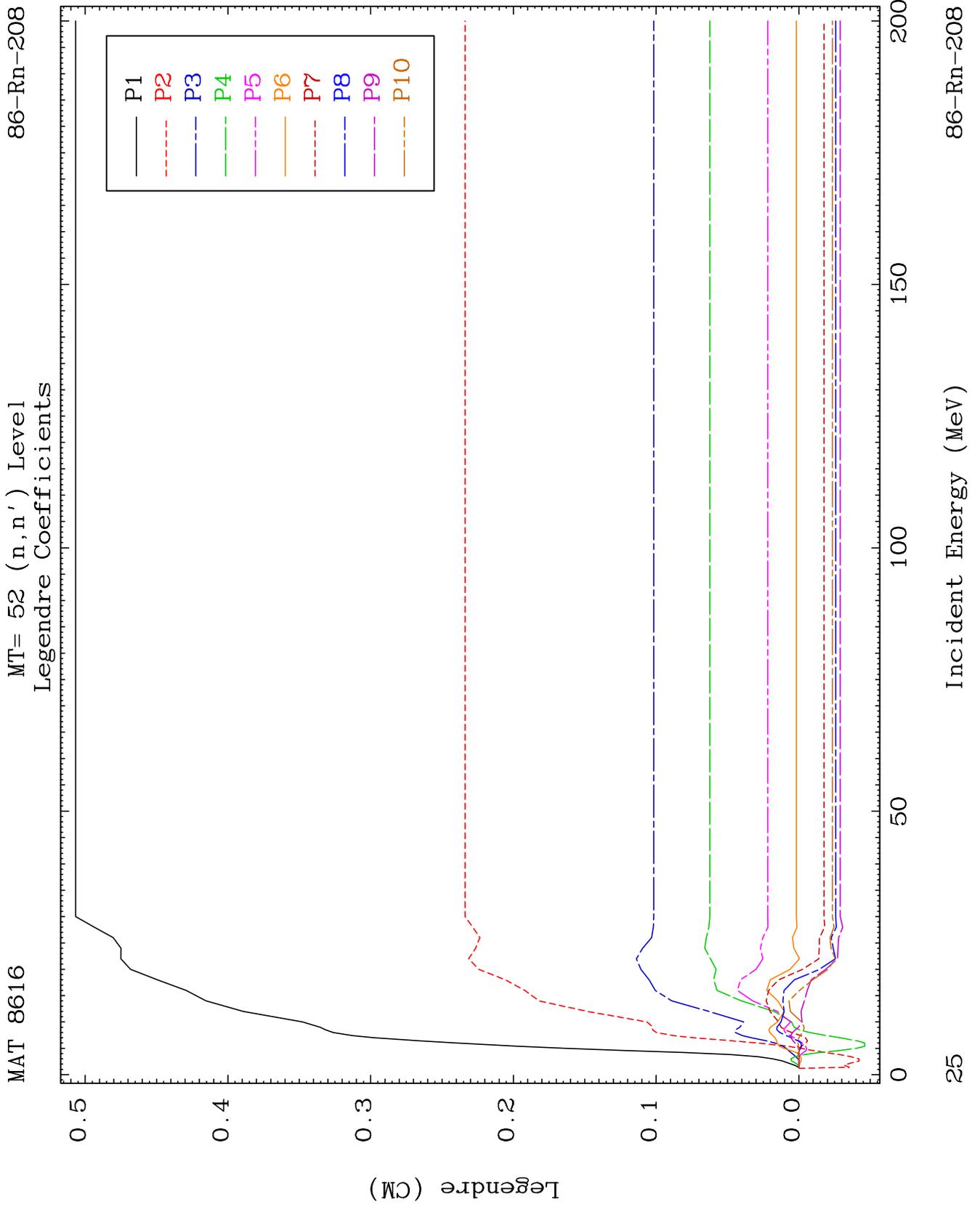
86-Rn-208



24

Incident Energy (MeV)

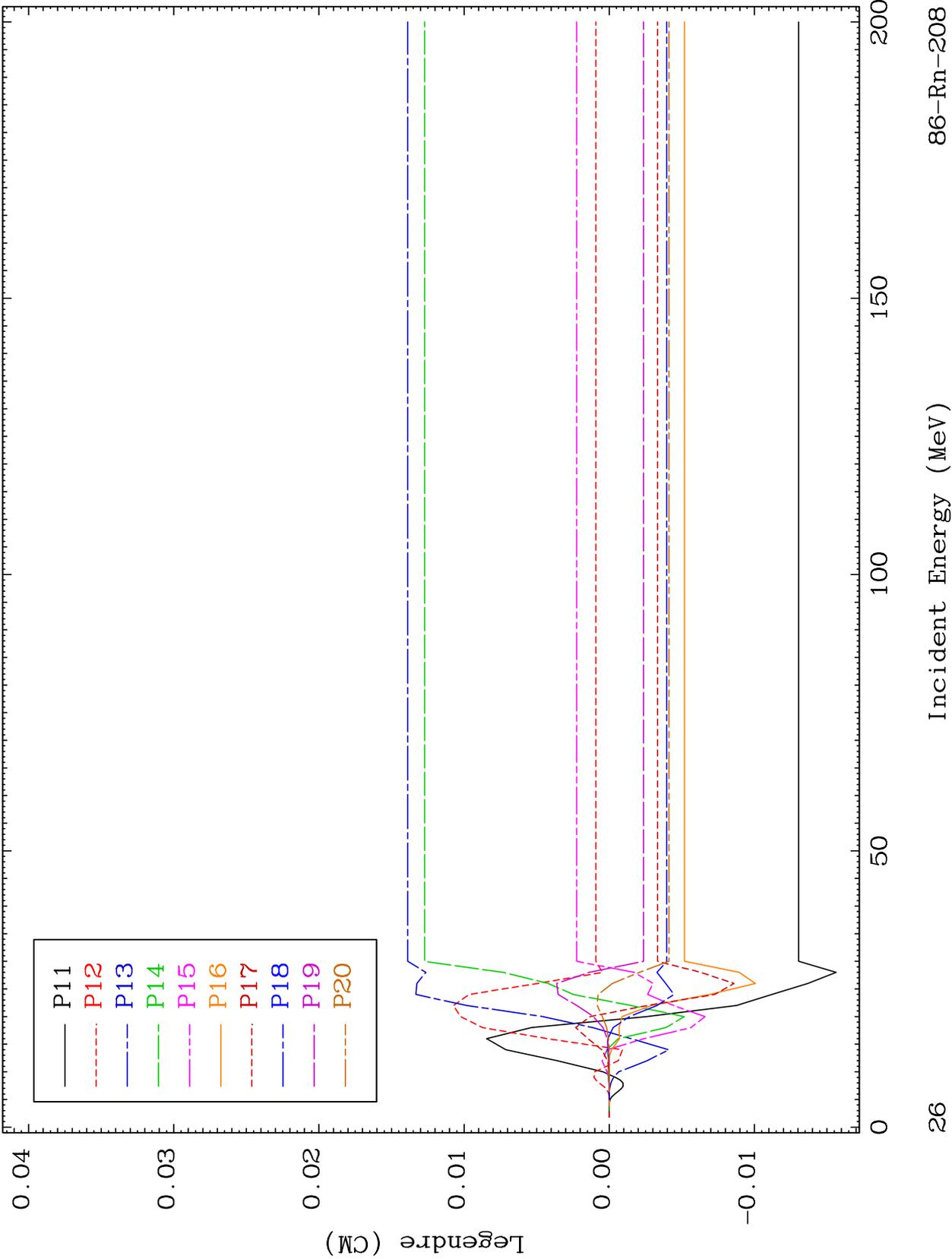
86-Rn-208



MAT 8616

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

86-Rn-208



26

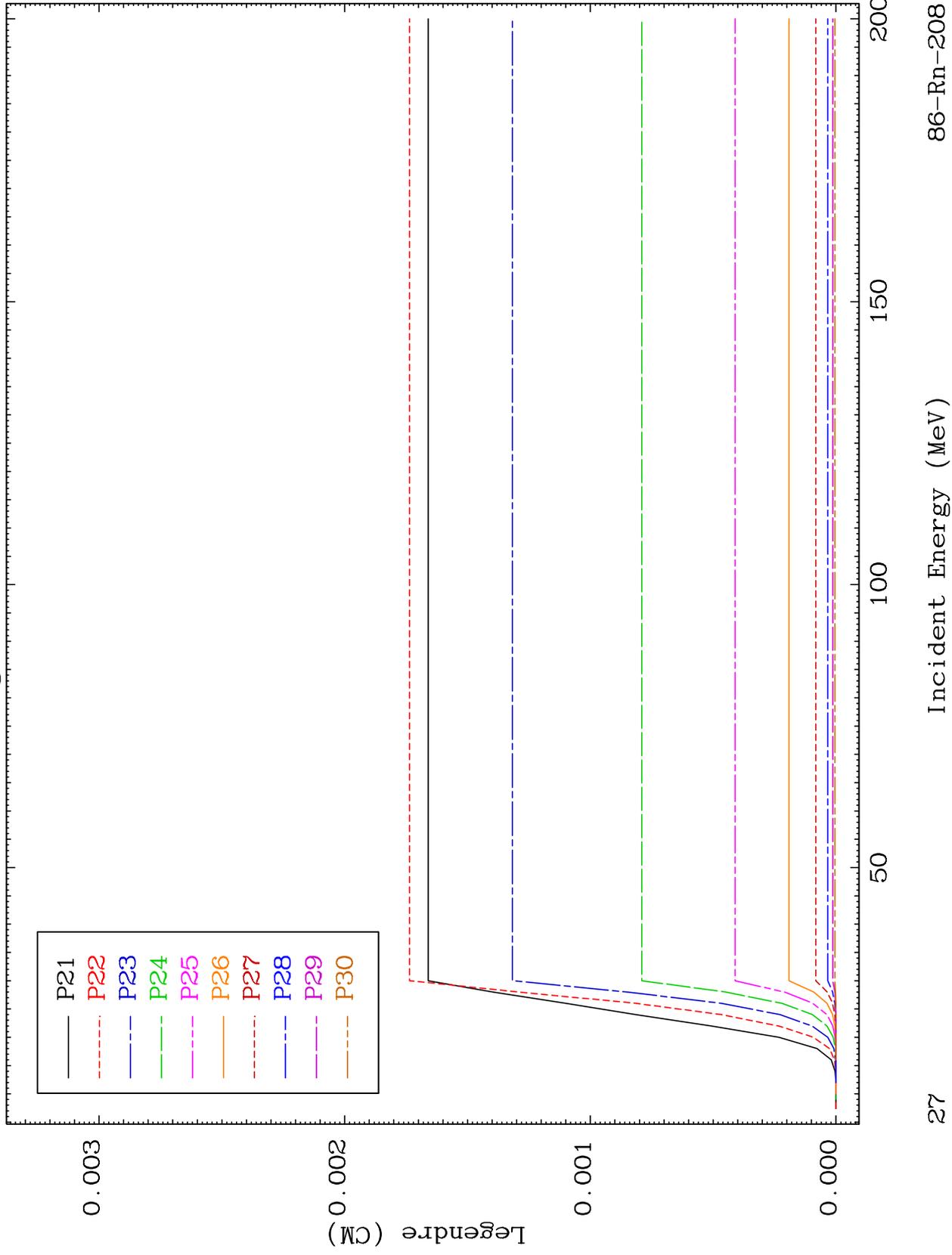
Incident Energy (MeV)

86-Rn-208

MAT 8616

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

86-Rn-208



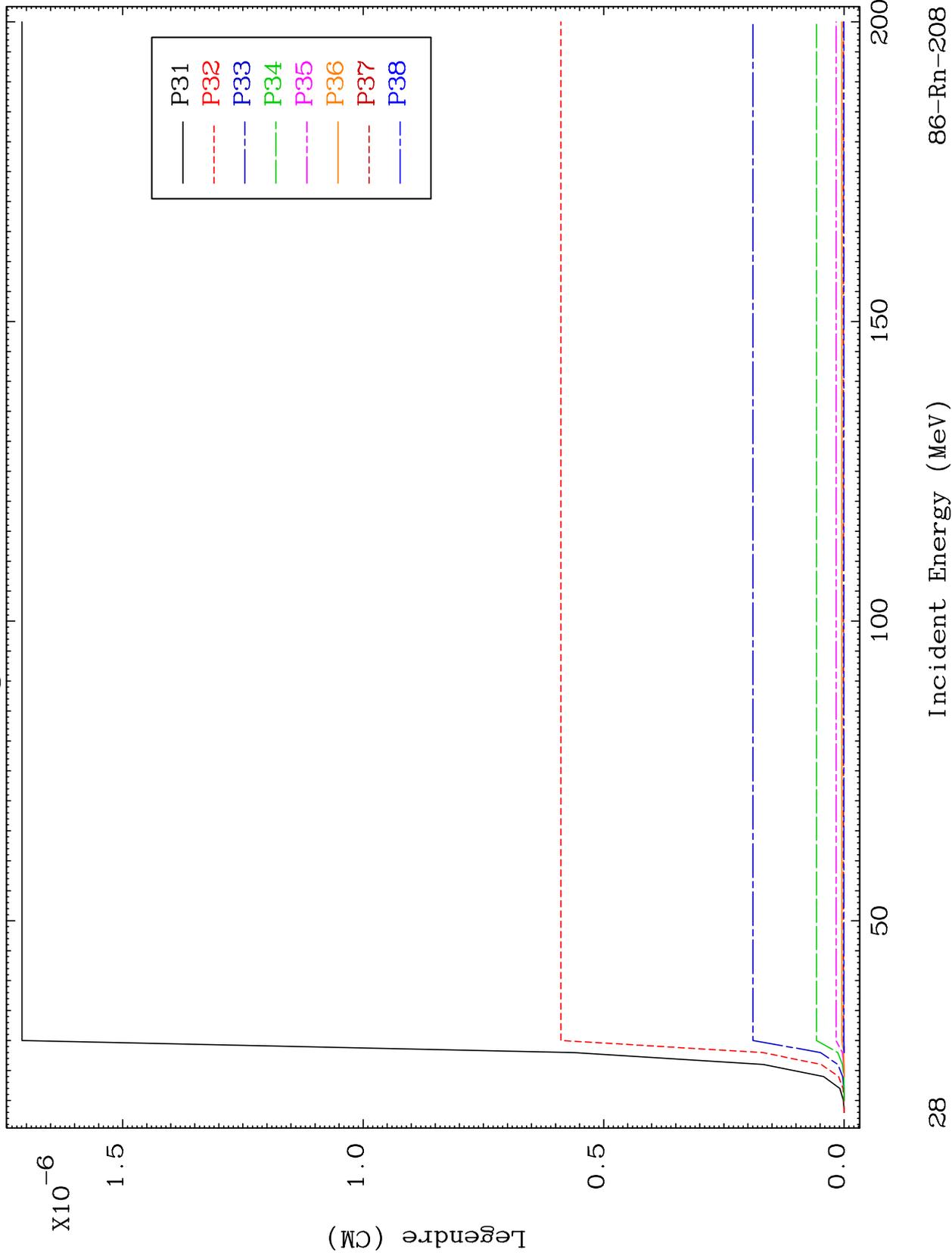
27

86-Rn-208

MAT 8616

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

86-Rn-208



28

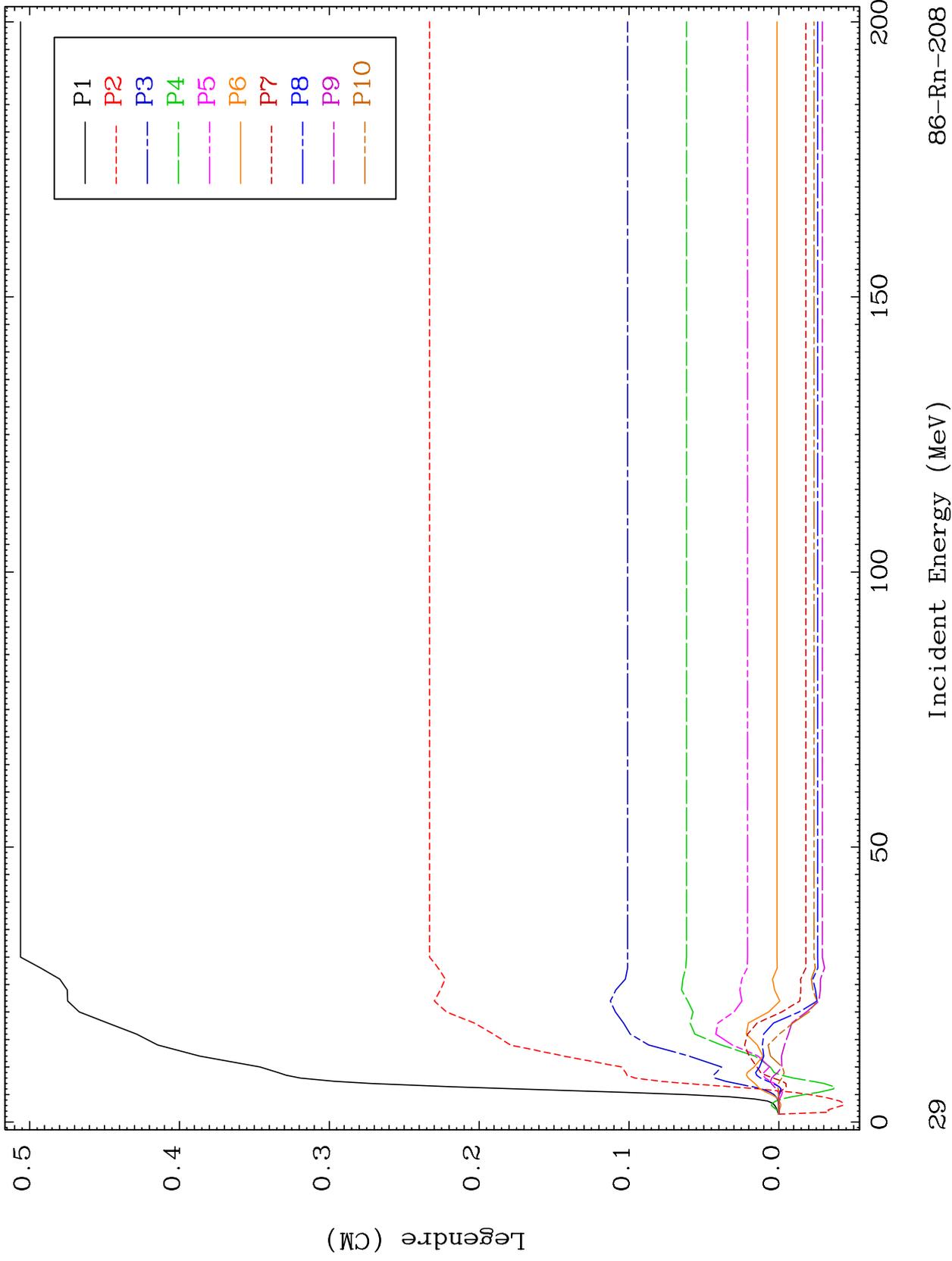
Incident Energy (MeV)

86-Rn-208

MAT 8616

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

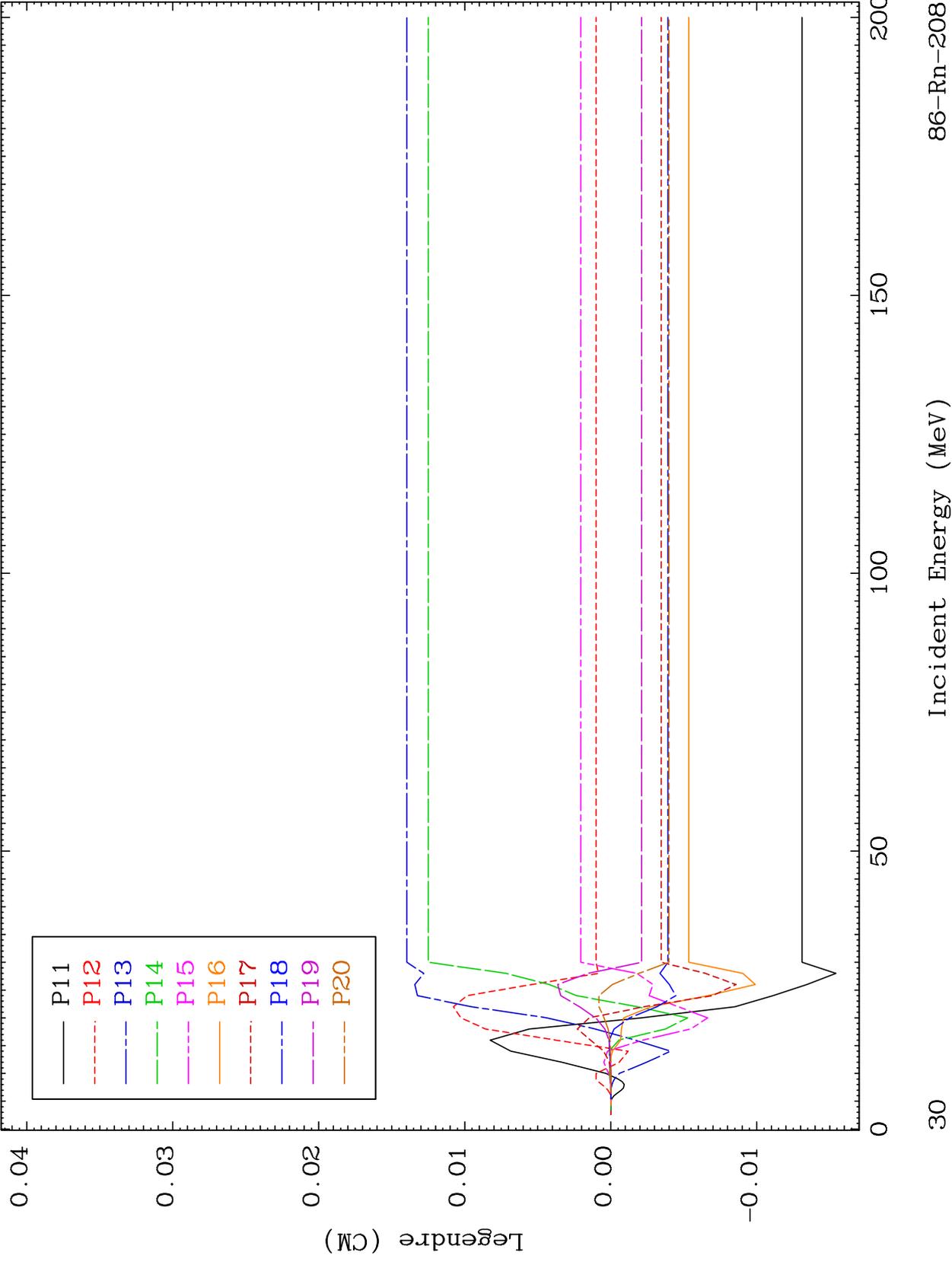
86-Rn-208



MAT 8616

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

86-Rn-208



86-Rn-208

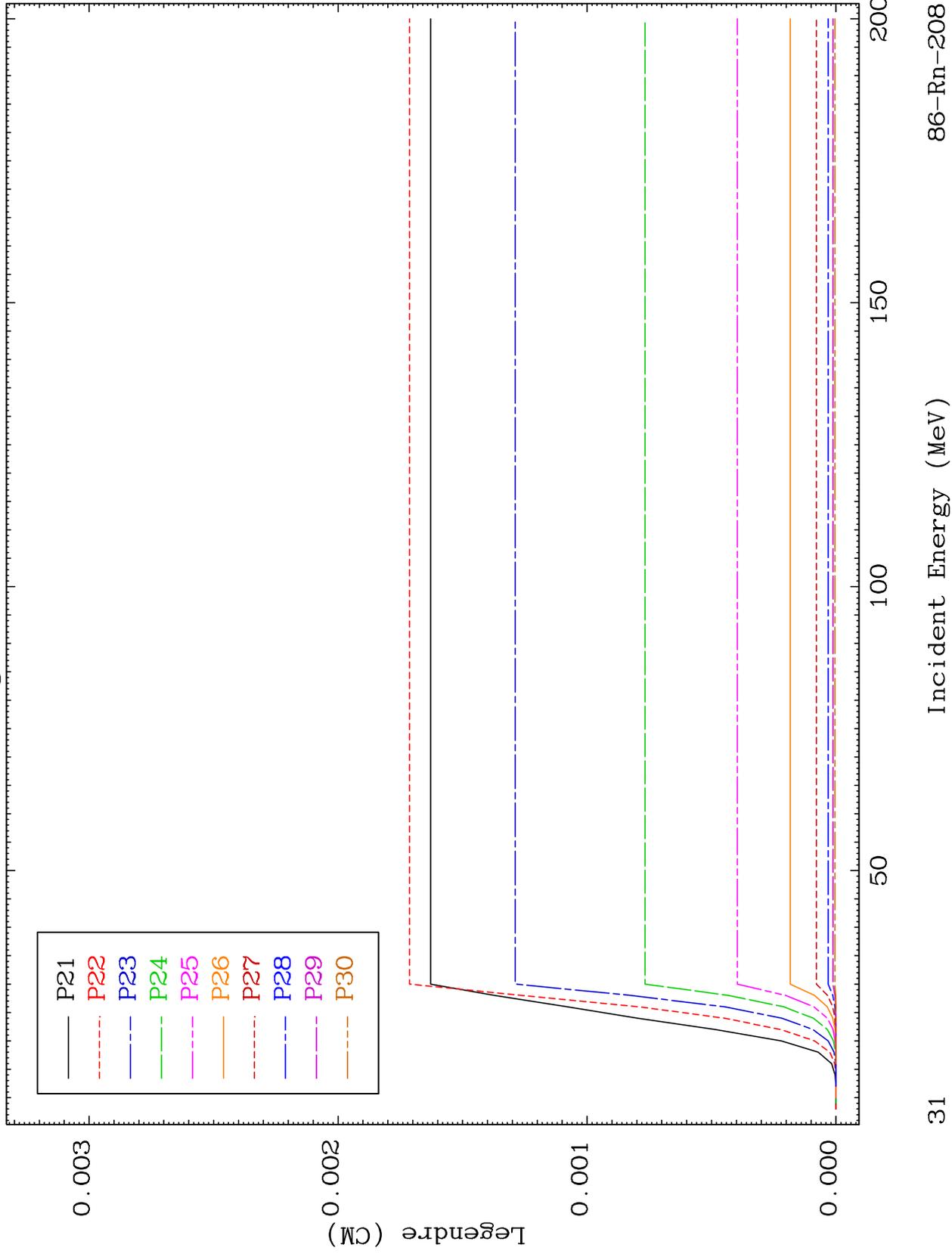
Incident Energy (MeV)

30

MAT 8616

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

86-Rn-208



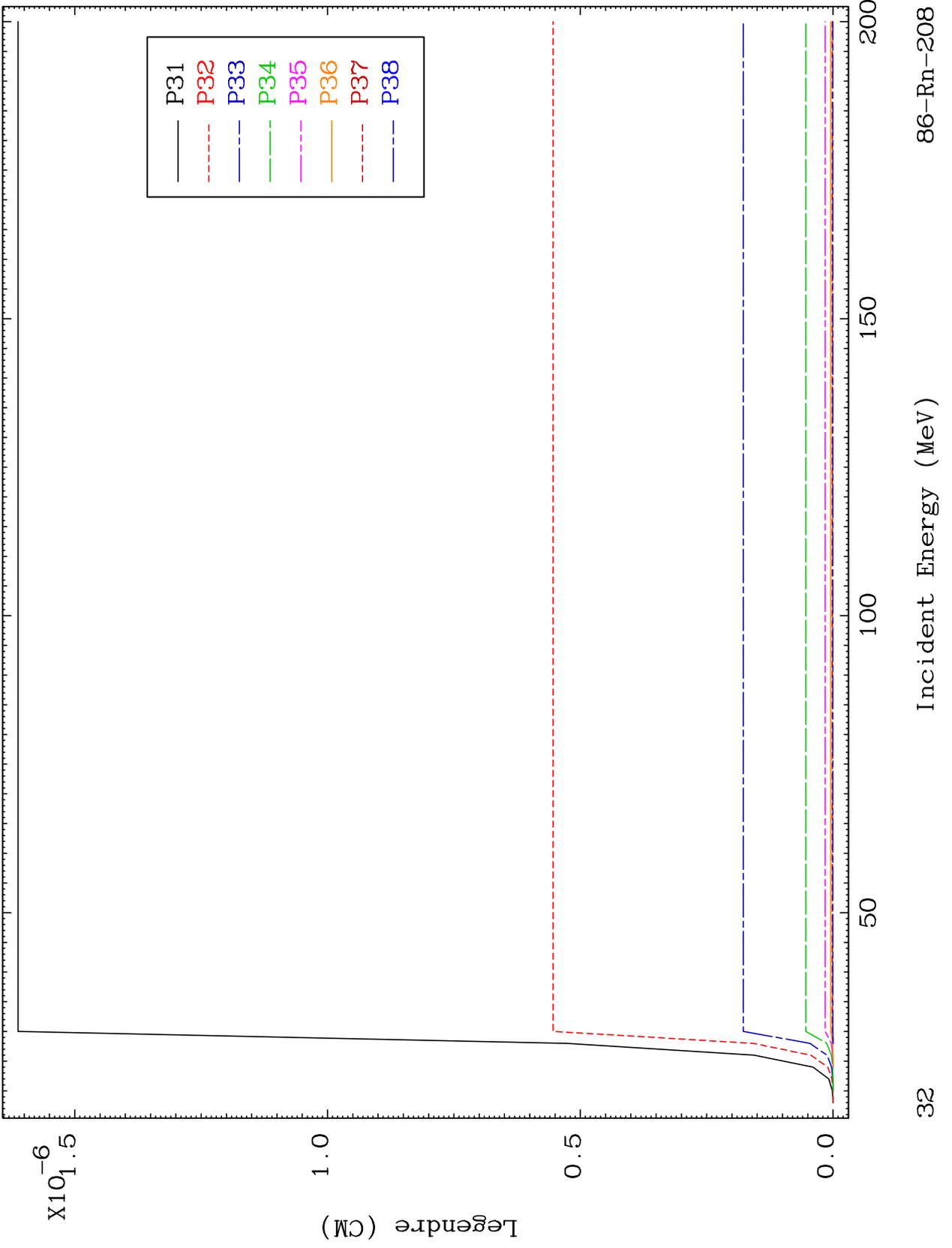
31

86-Rn-208

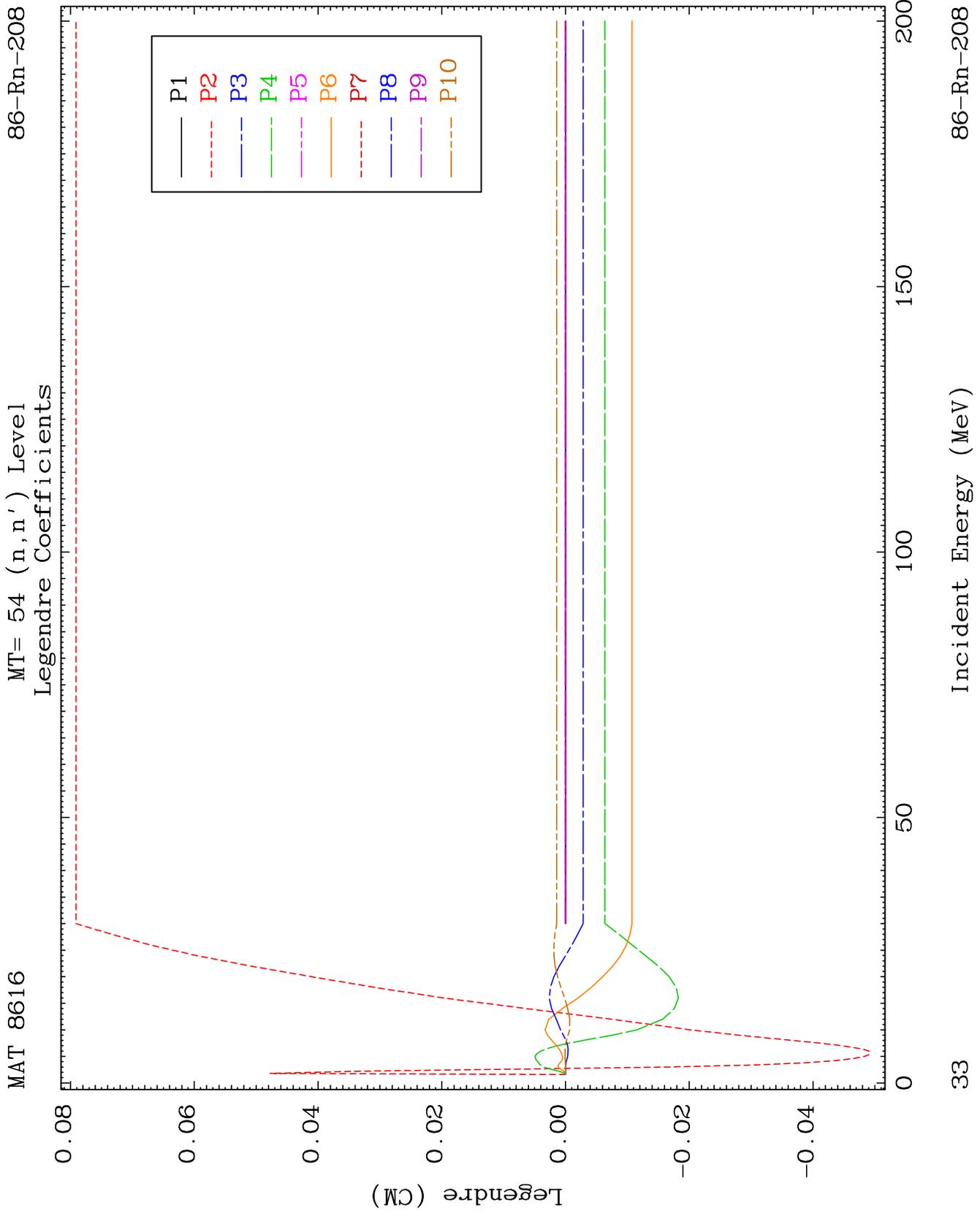
MAT 8616

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

86-Rn-208



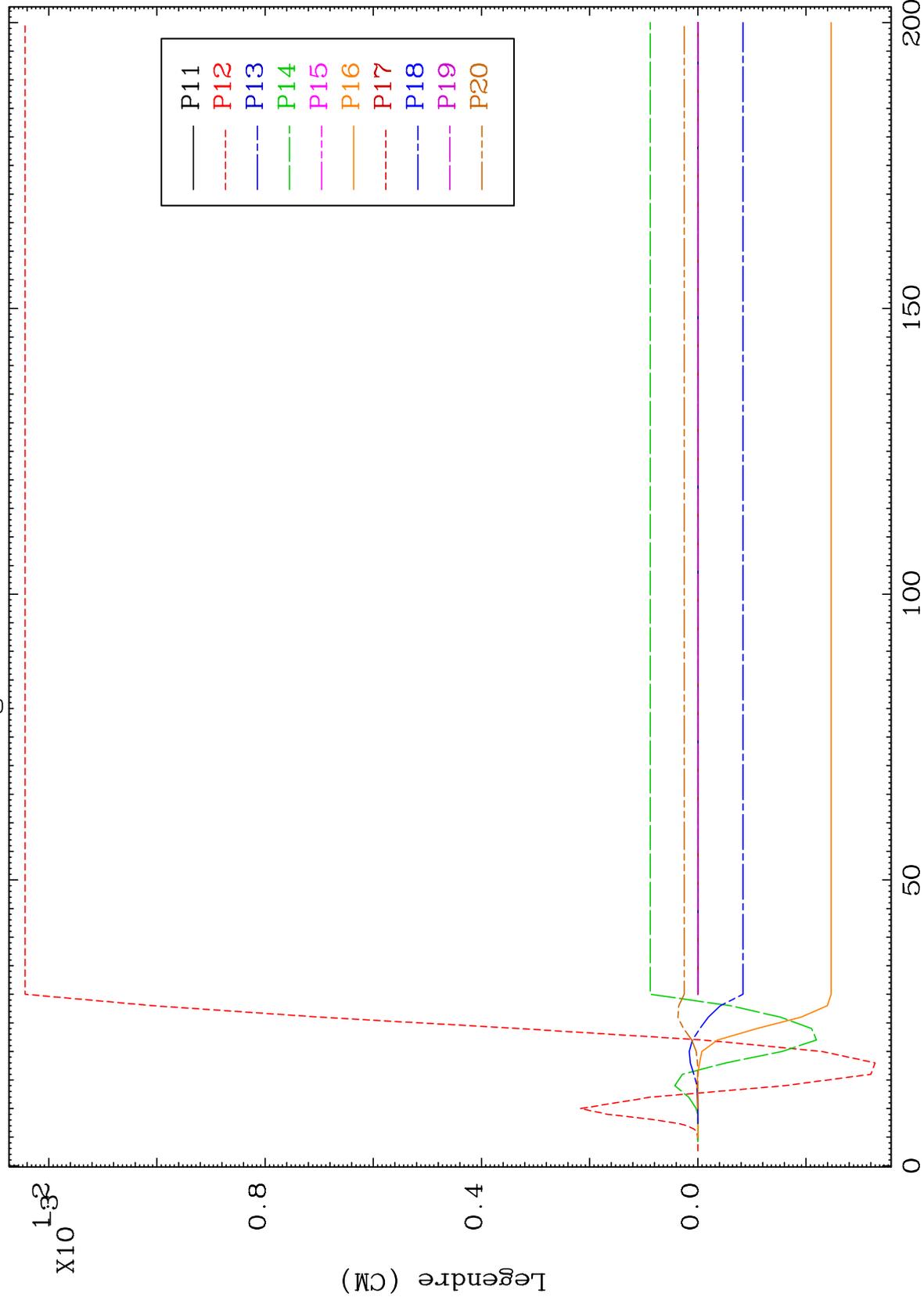
32



MAT 8616

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

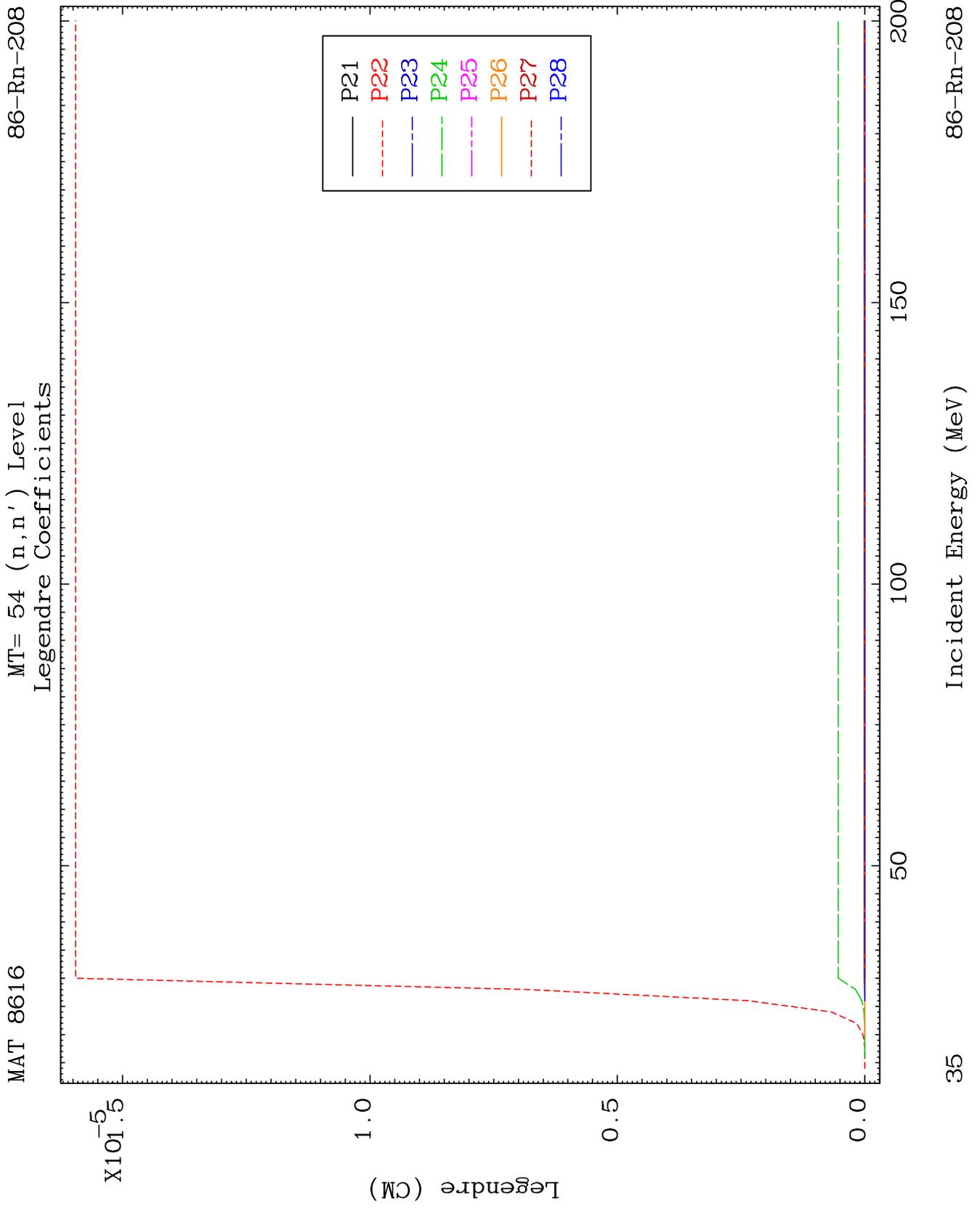
86-Rn-208

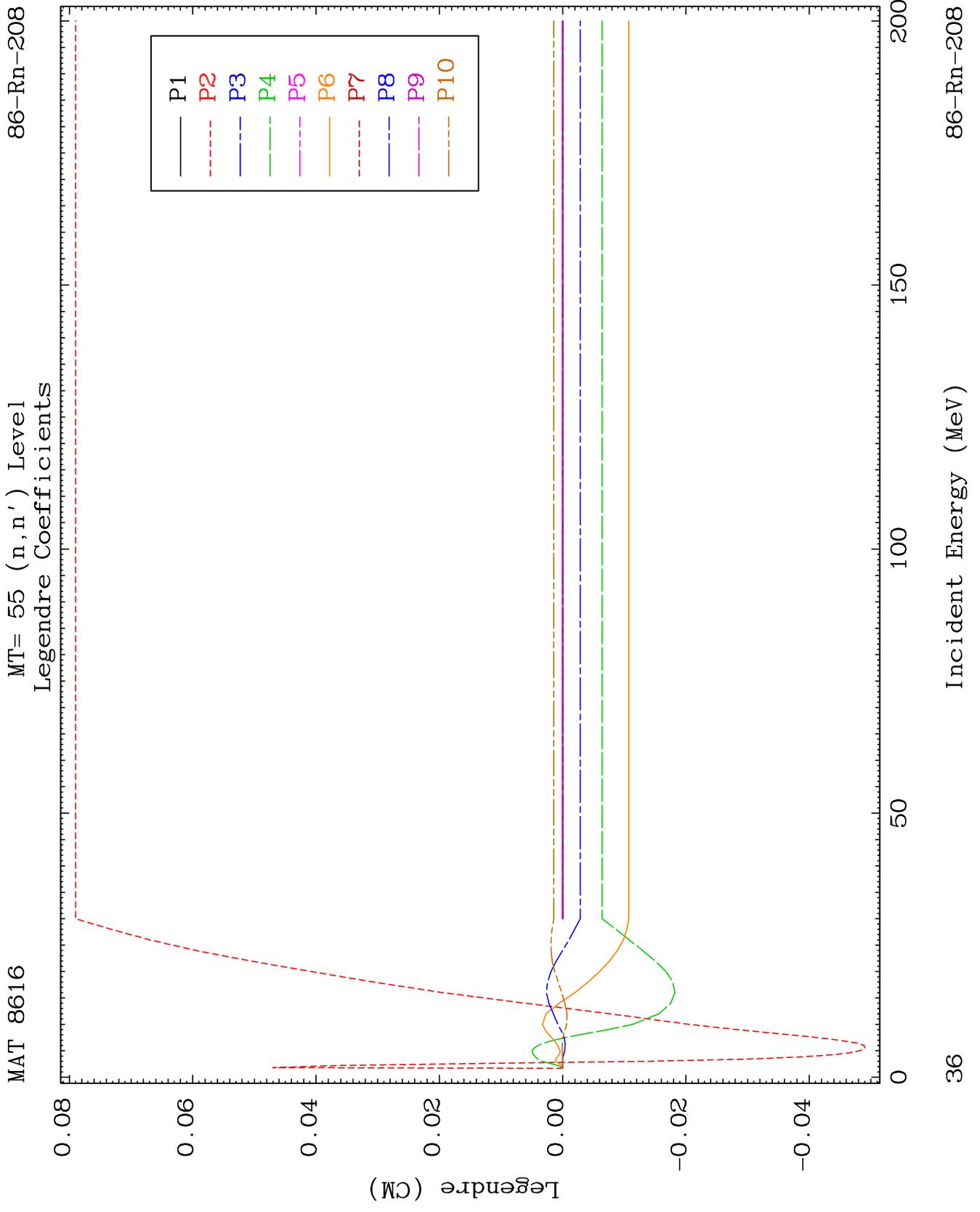


34

Incident Energy (MeV)

86-Rn-208



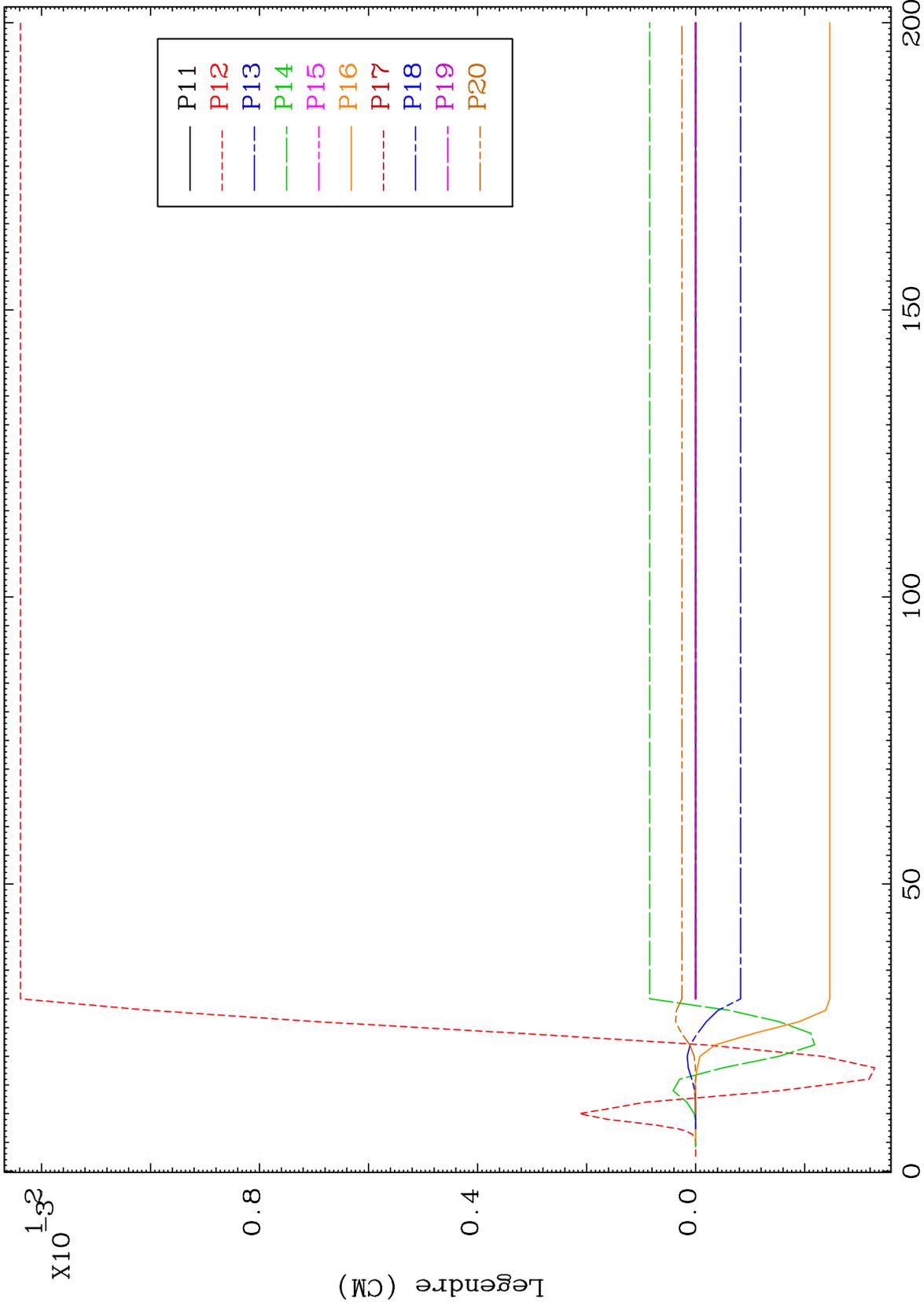


MAT 8616

MT= 55 (n,n') Level

86-Rn-208

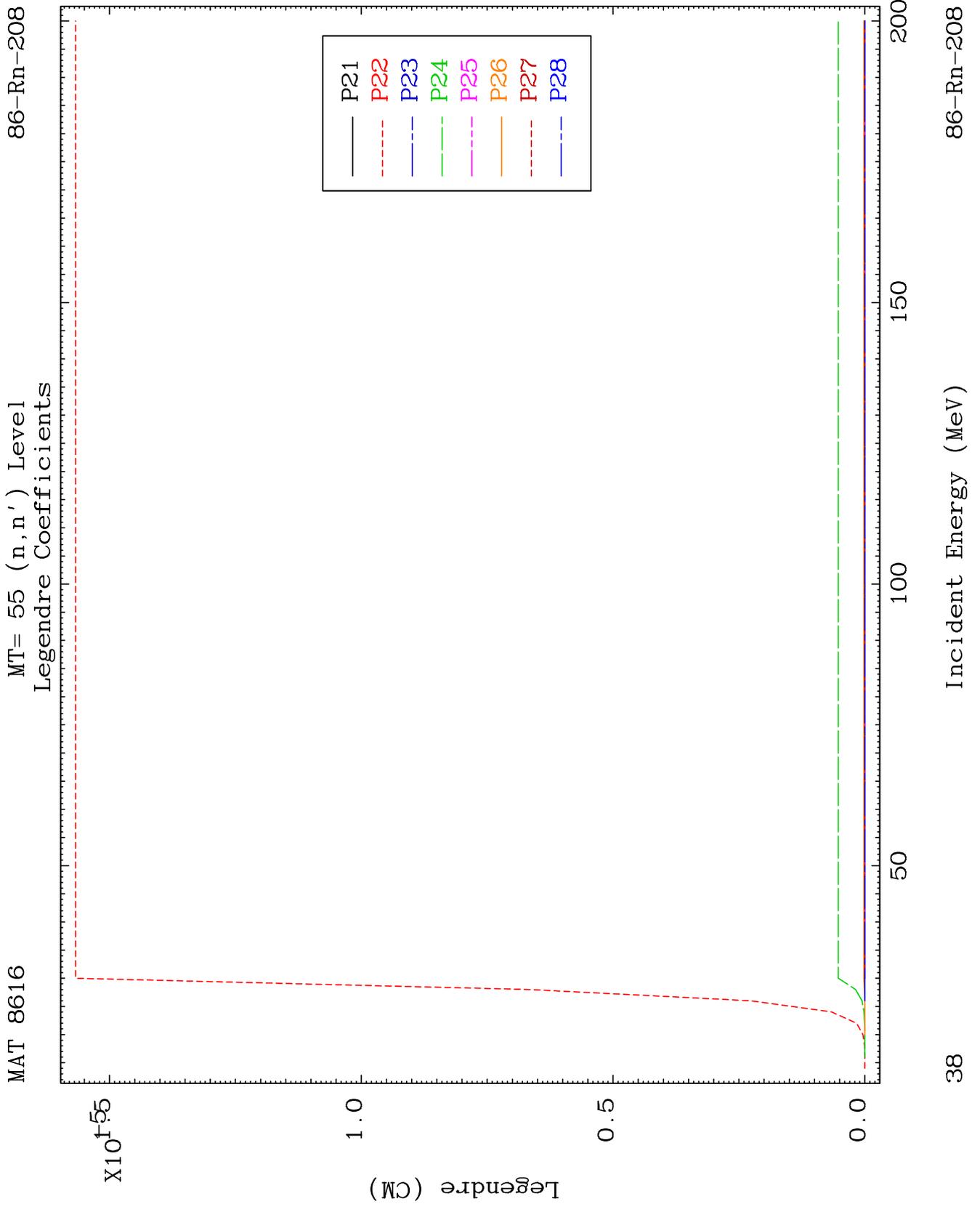
Legendre Coefficients



37

86-Rn-208

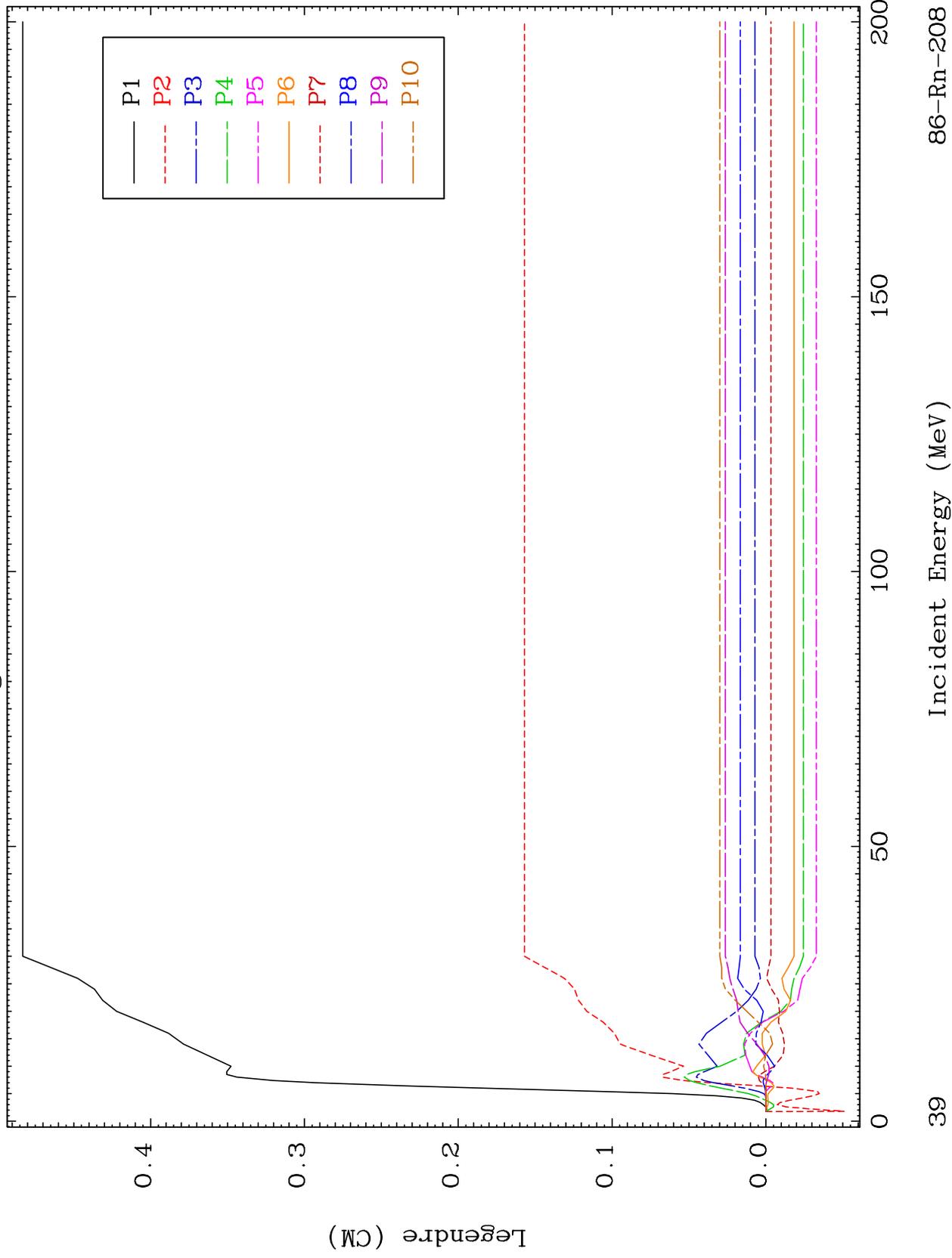
86-Rn-208



MAT 8616

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

86-Rn-208



39

Incident Energy (MeV)

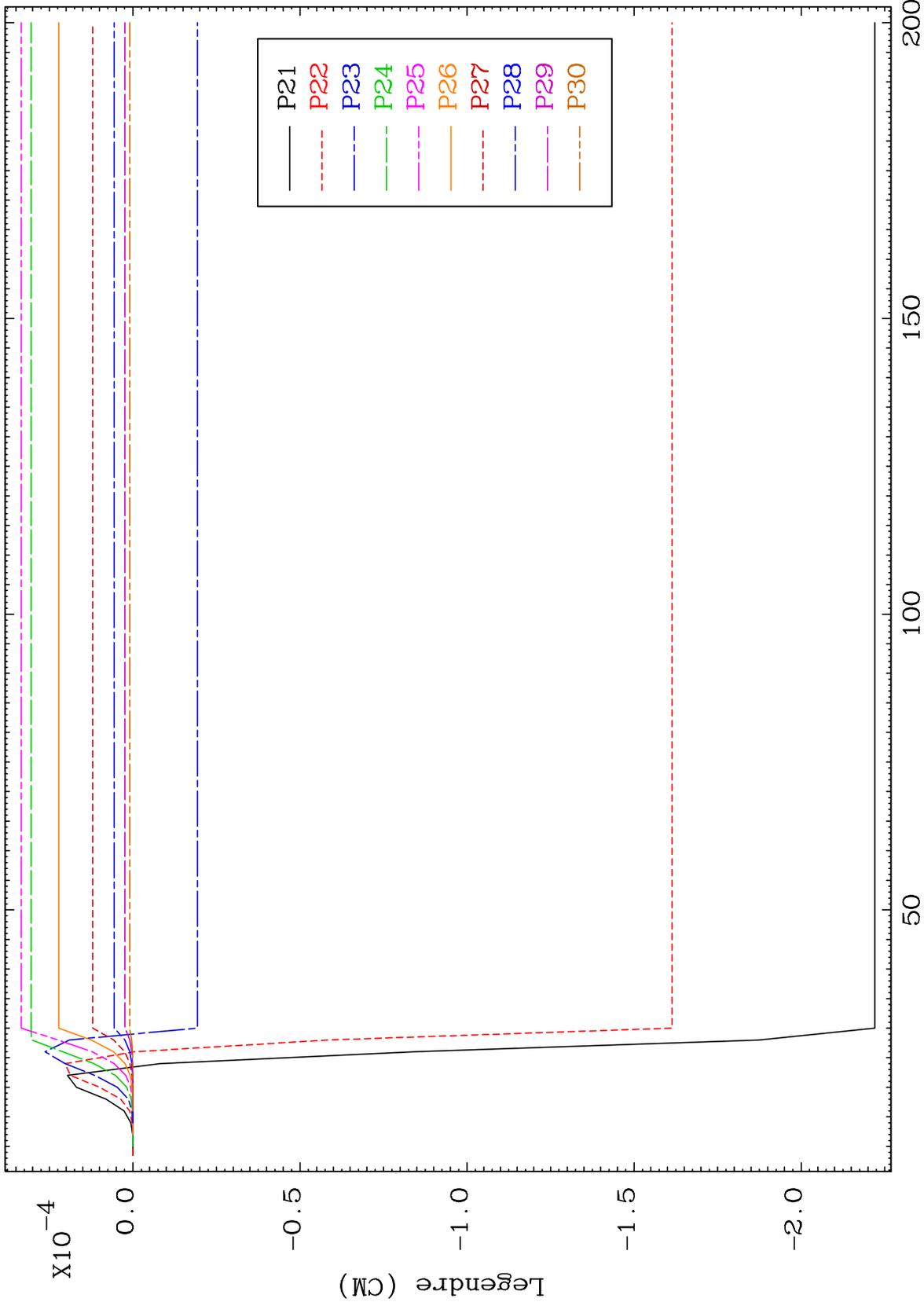
86-Rn-208



MAT 8616

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

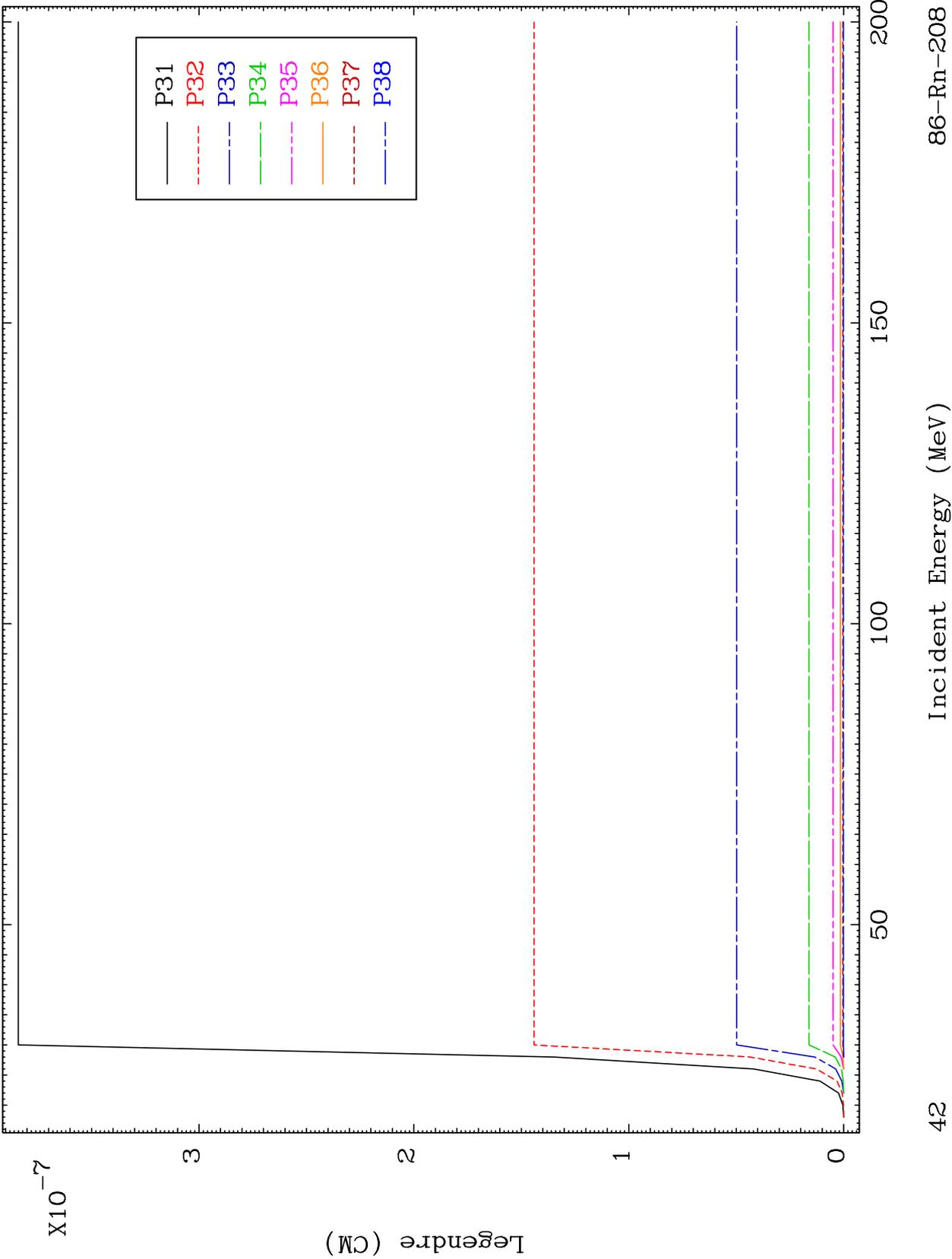
86-Rn-208



MAT 8616

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

86-Rn-208



42

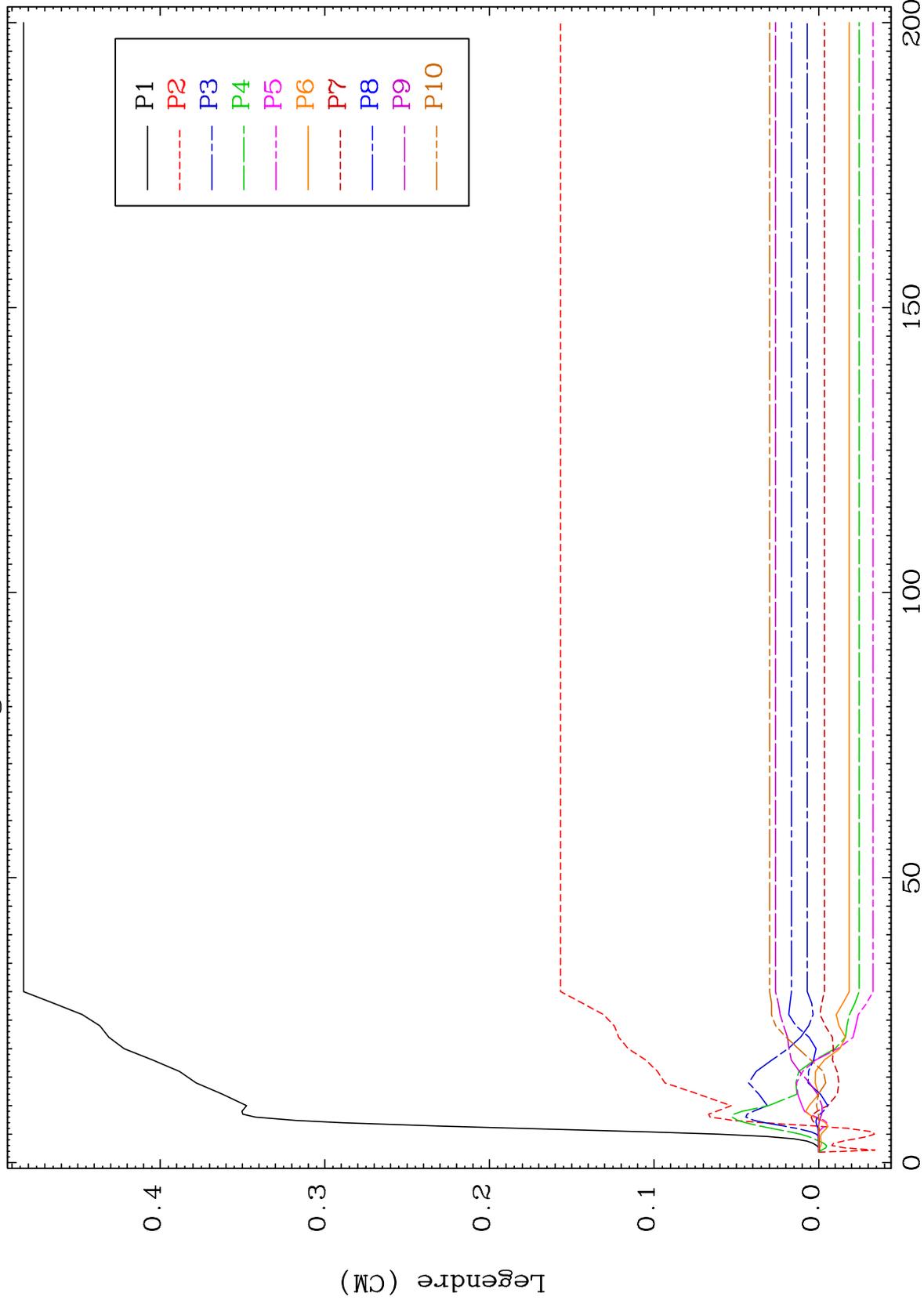
Incident Energy (MeV)

86-Rn-208

MAT 8616

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

86-Rn-208



86-Rn-208

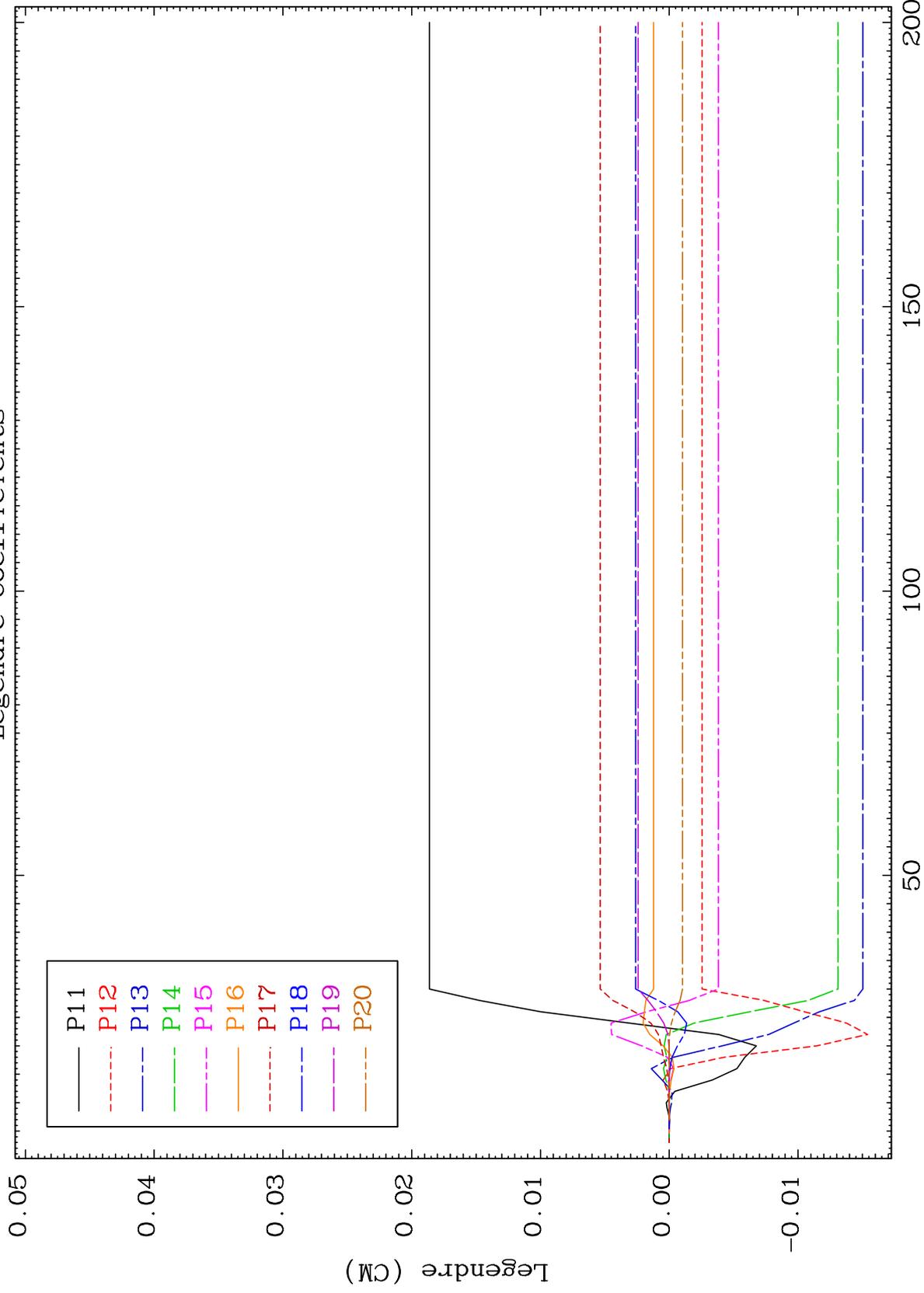
Incident Energy (MeV)

43

MAT 8616

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

86-Rn-208



44

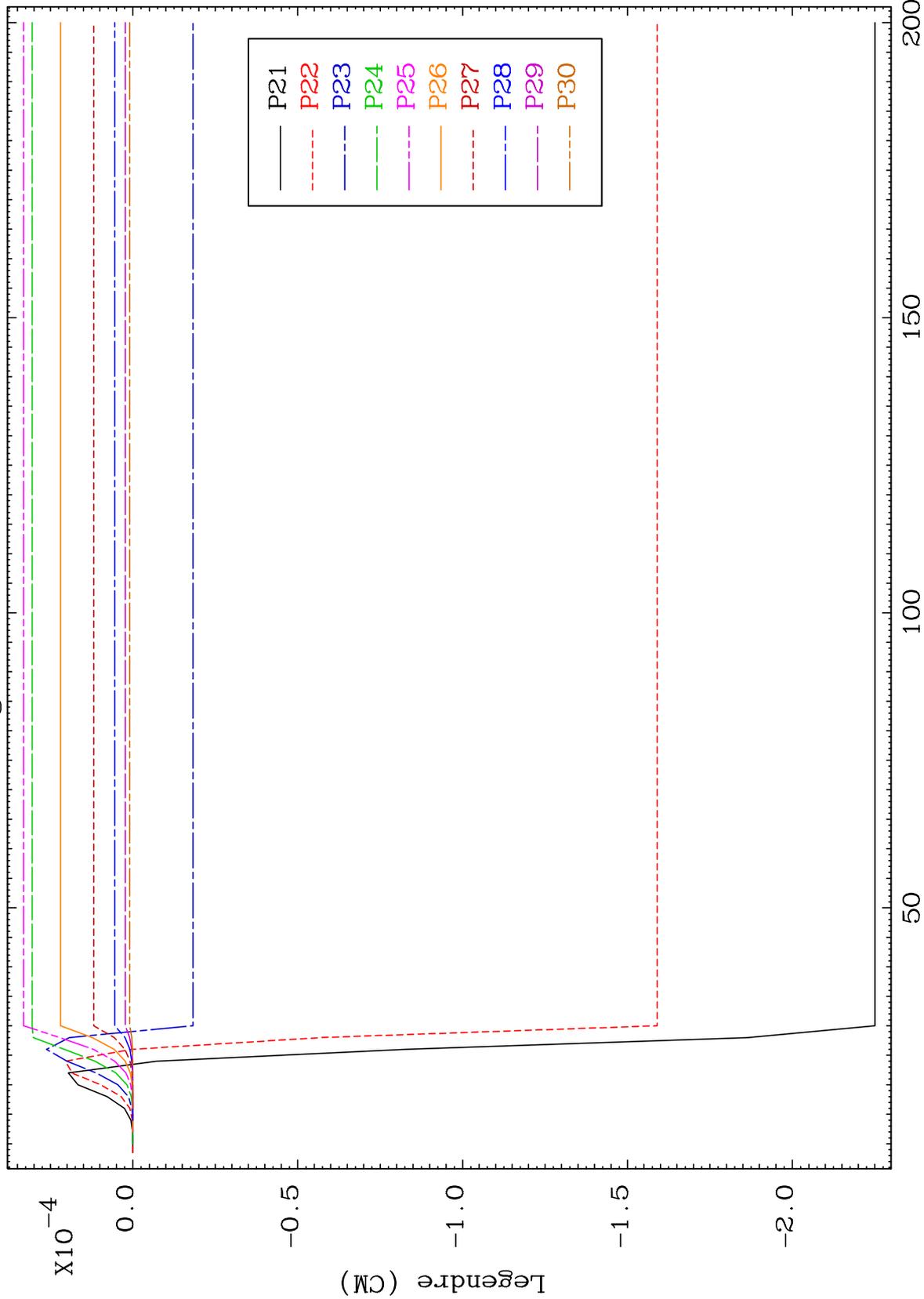
Incident Energy (MeV)

86-Rn-208

MAT 8616

86-Rn-208

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



45

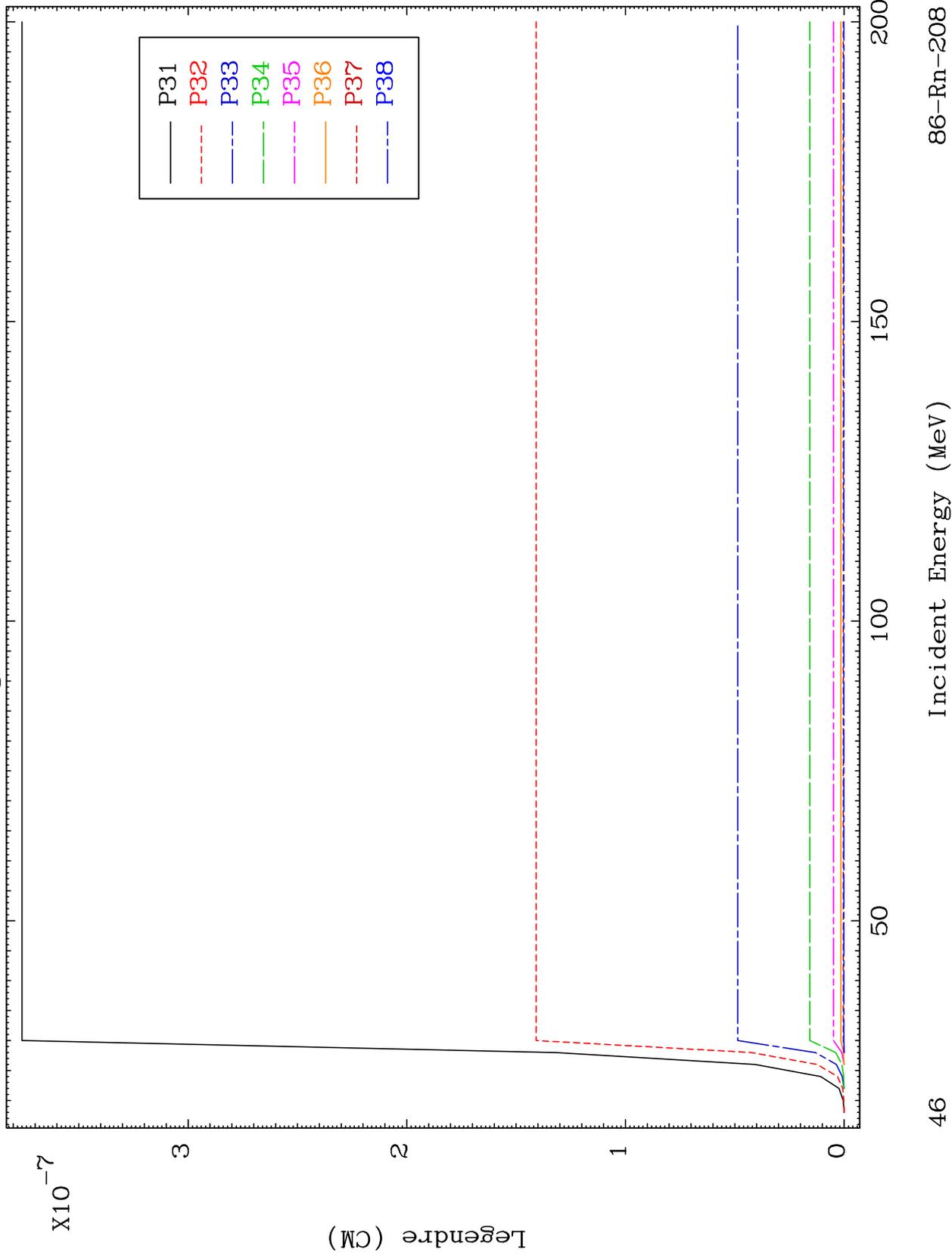
Incident Energy (MeV)

86-Rn-208

MAT 8616

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

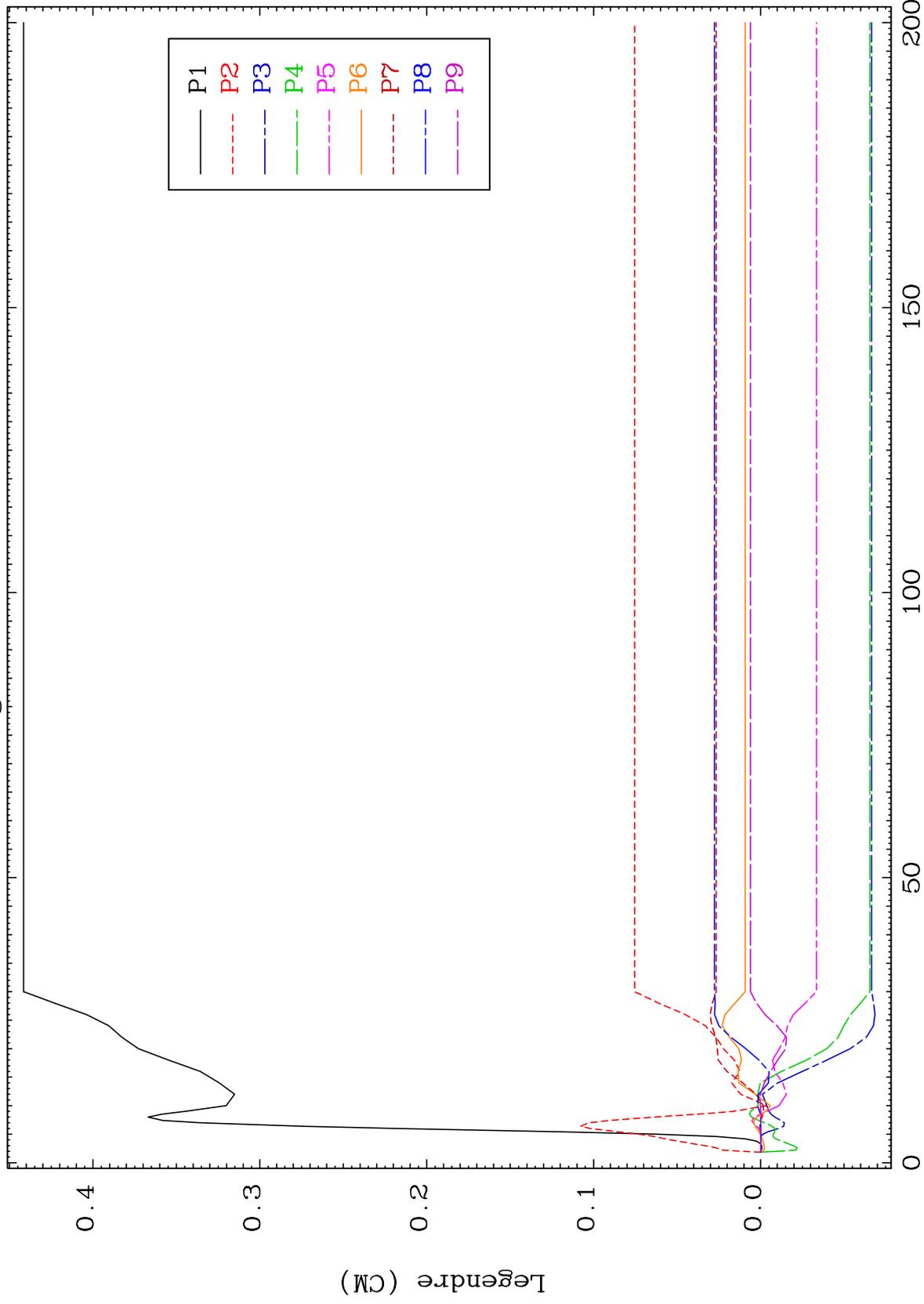
86-Rn-208



MAT 8616

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

86-Rn-208



47

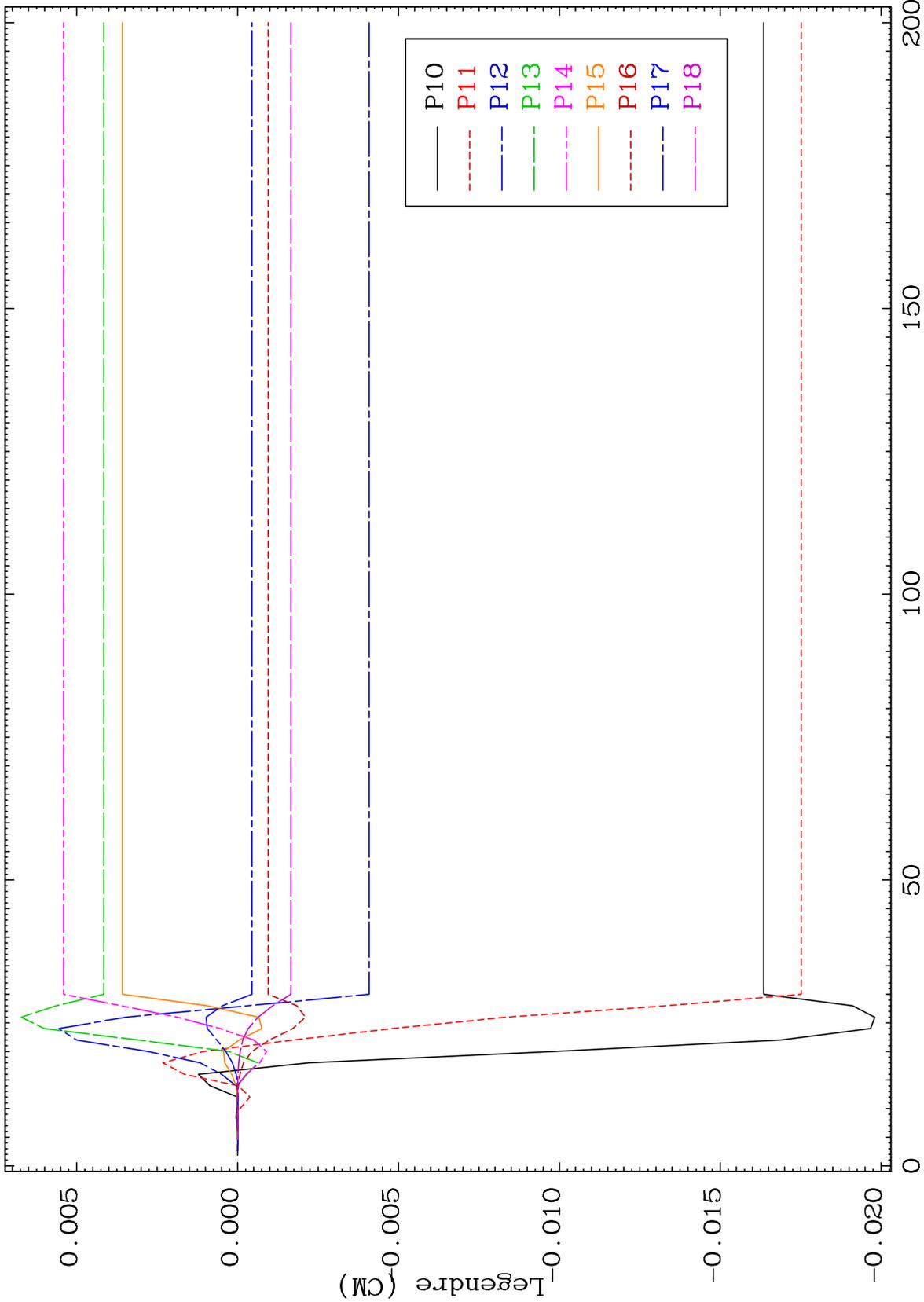
Incident Energy (MeV)

86-Rn-208

MAT 8616

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

86-Rn-208



48

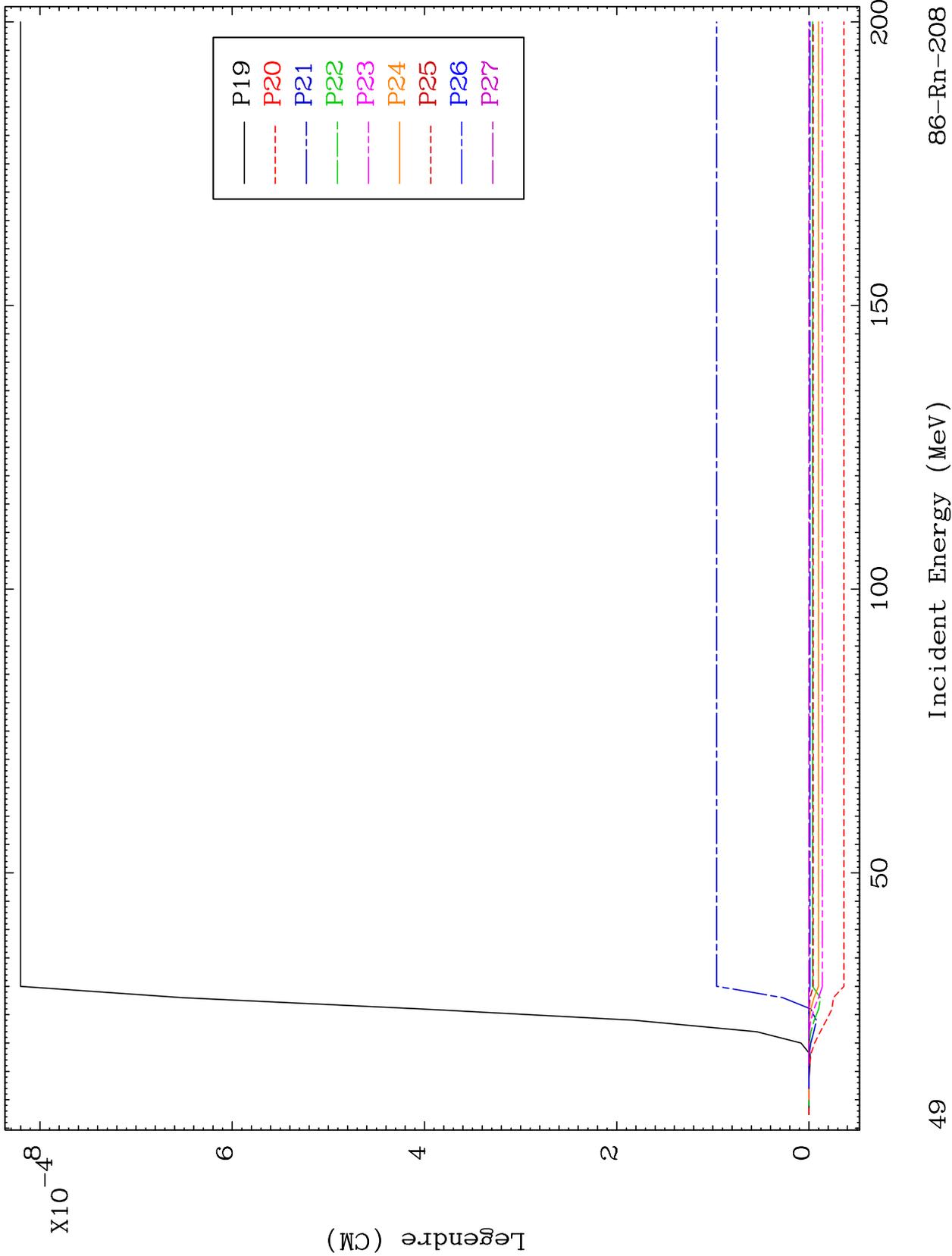
Incident Energy (MeV)

86-Rn-208

MAT 8616

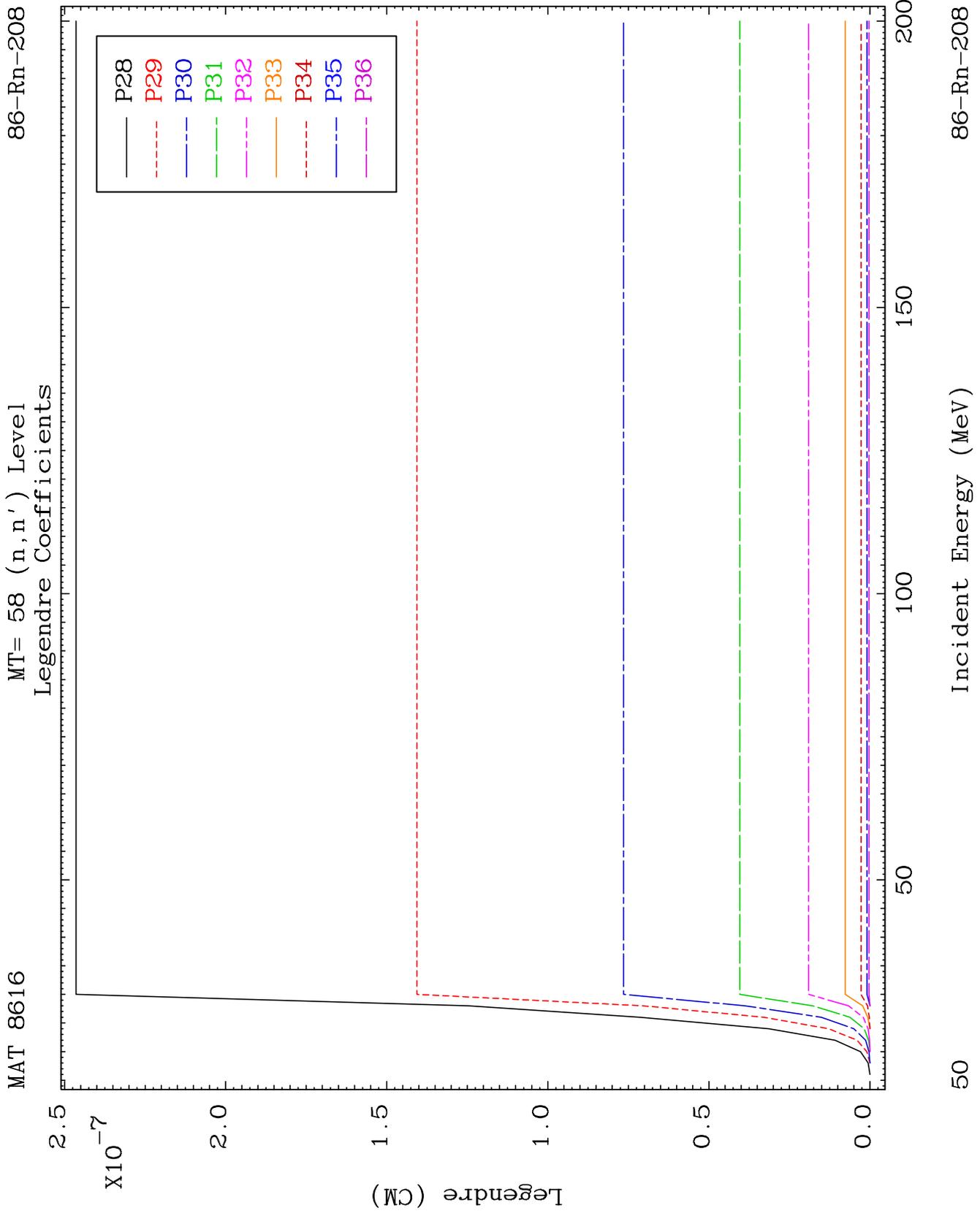
MT= 58 (n,n') Level  
Legendre Coefficients

86-Rn-208



49

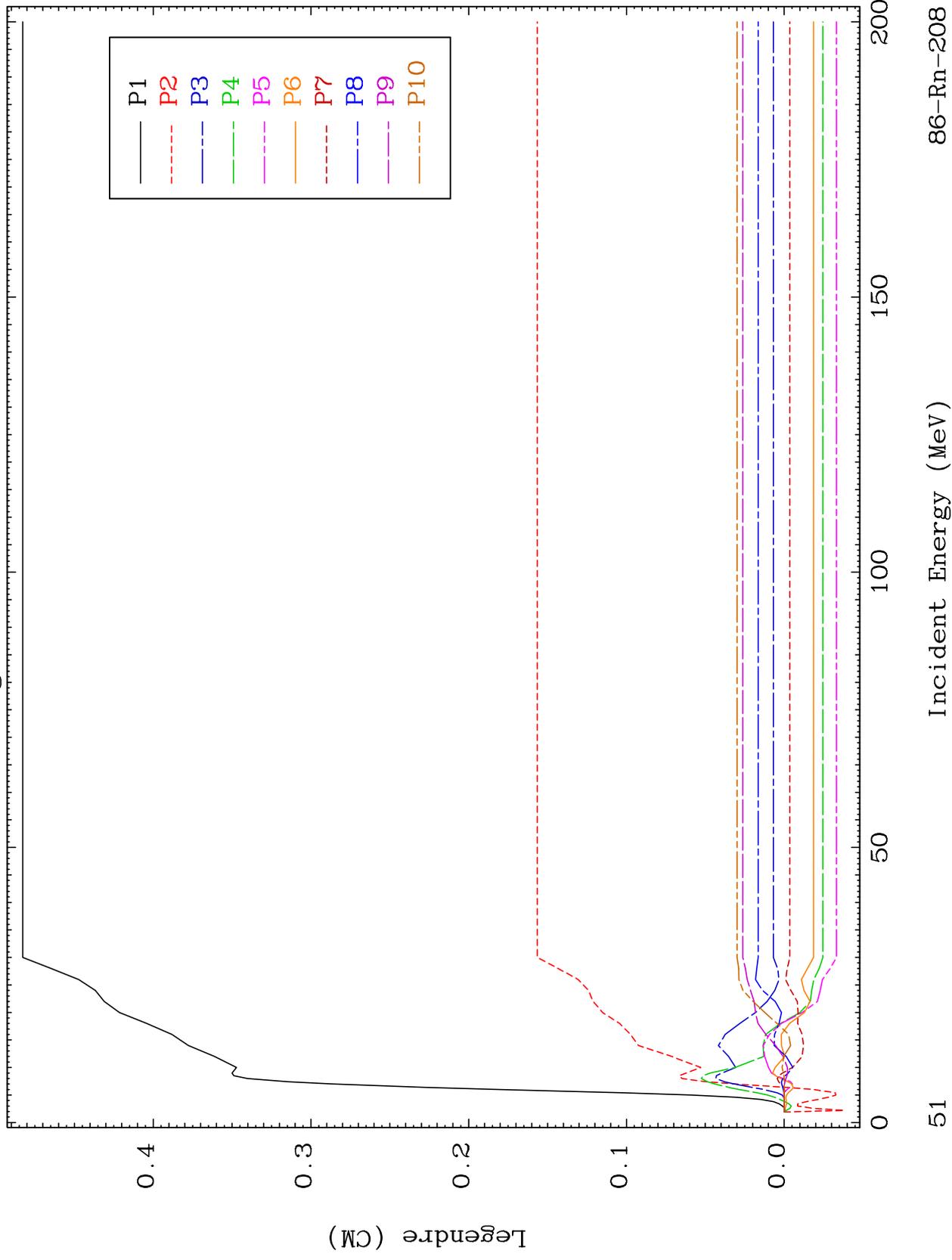
86-Rn-208



MAT 8616

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

86-Rn-208



86-Rn-208

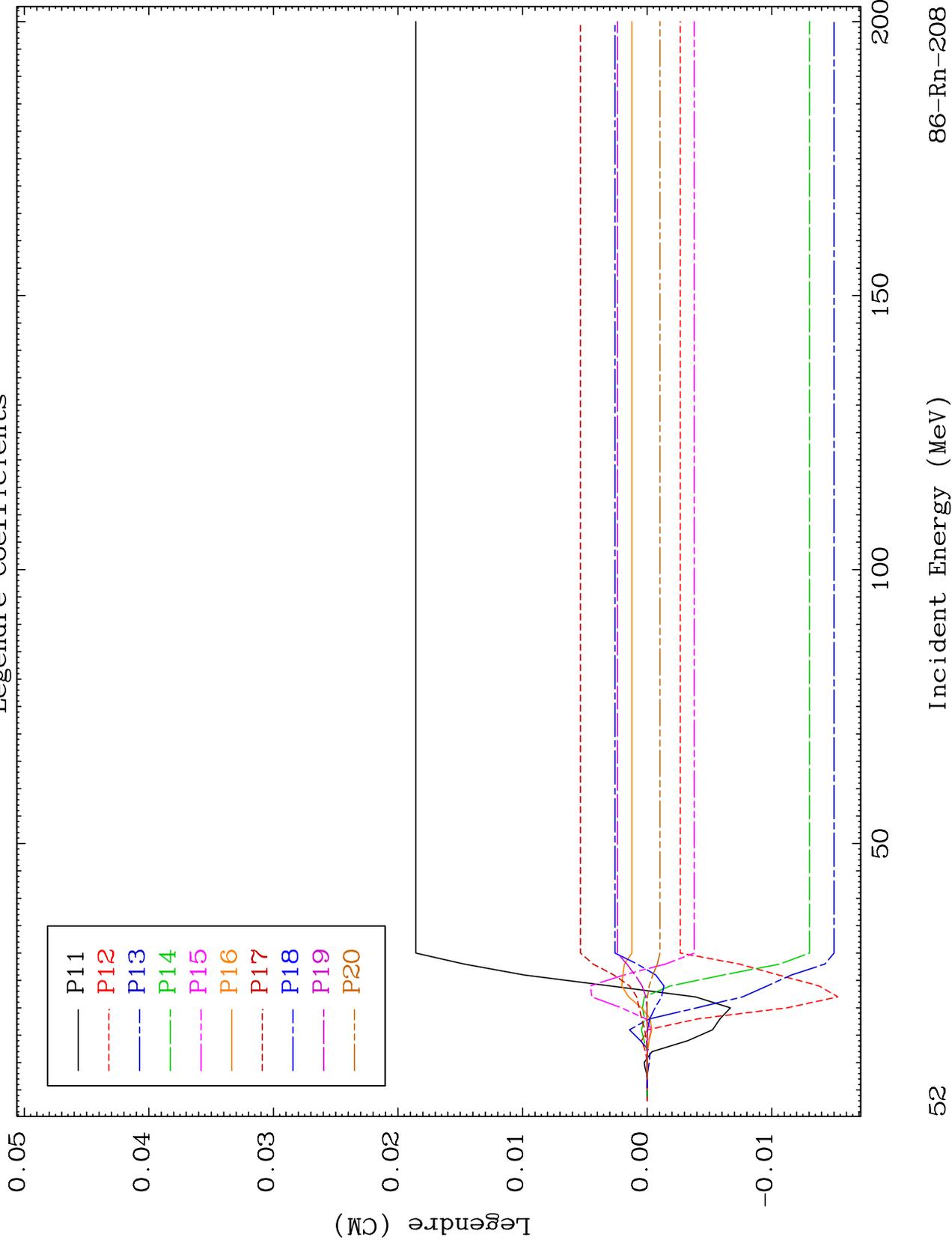
Incident Energy (MeV)

51

MAT 8616

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

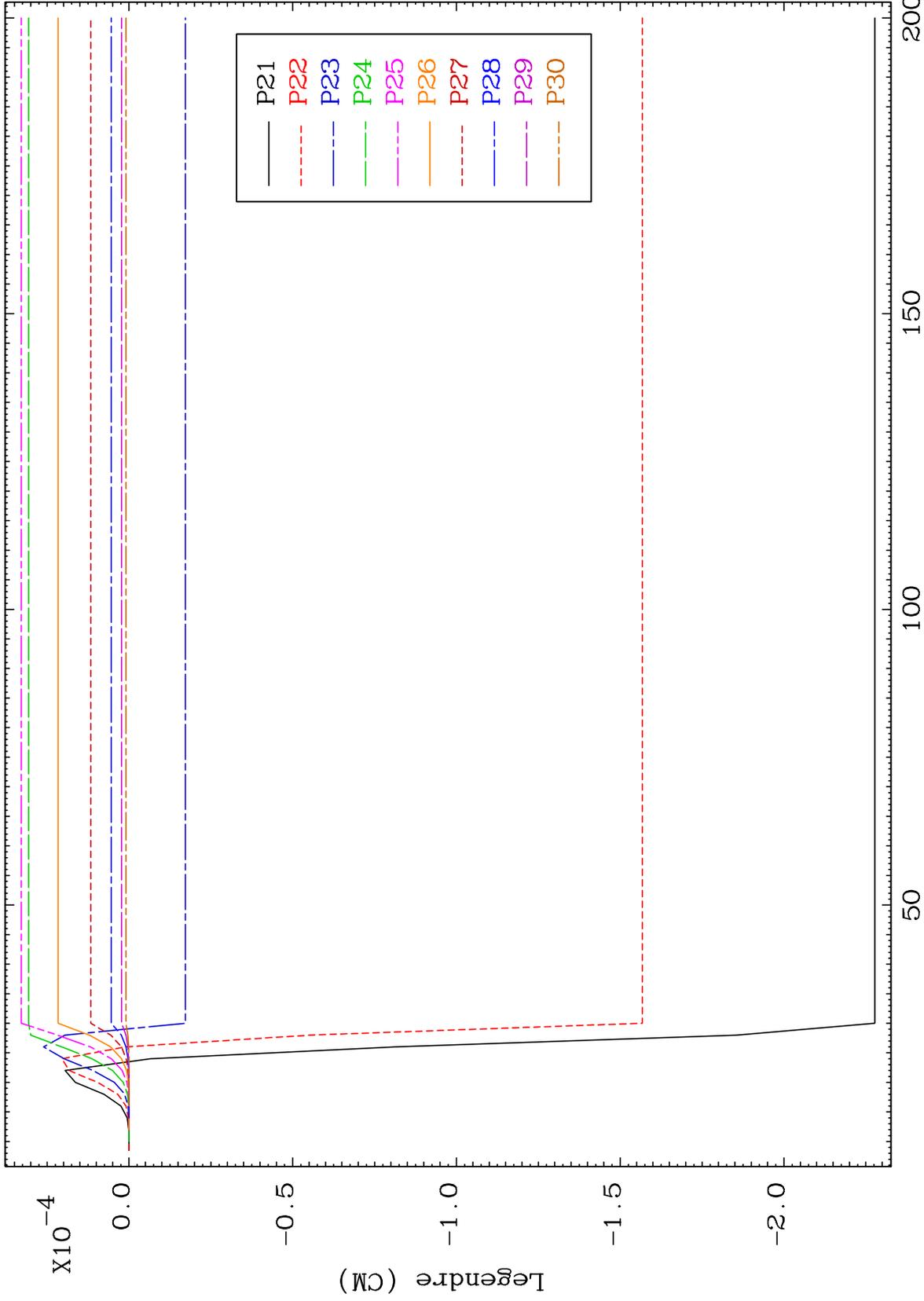
86-Rn-208



52

Incident Energy (MeV)

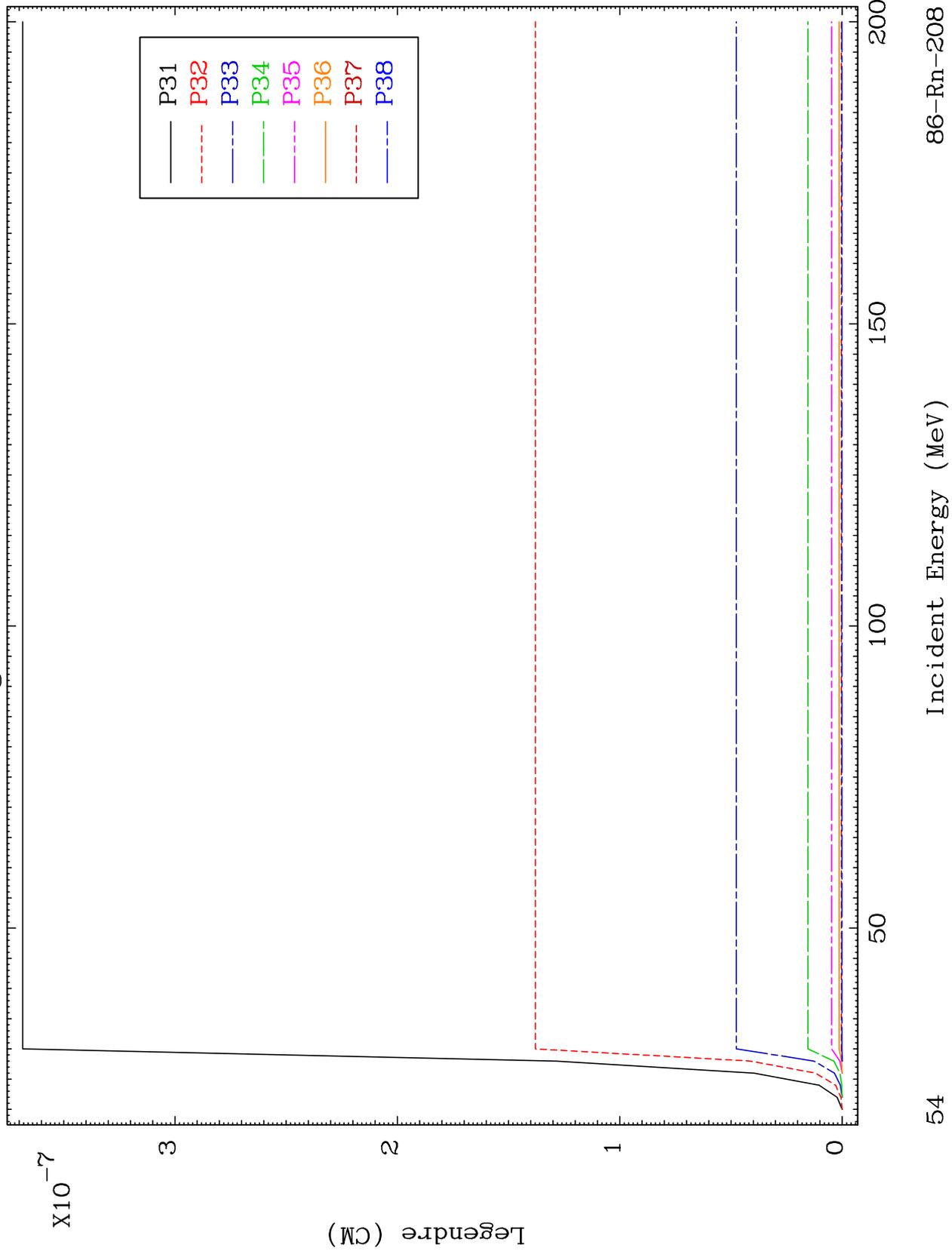
86-Rn-208



MAT 8616

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

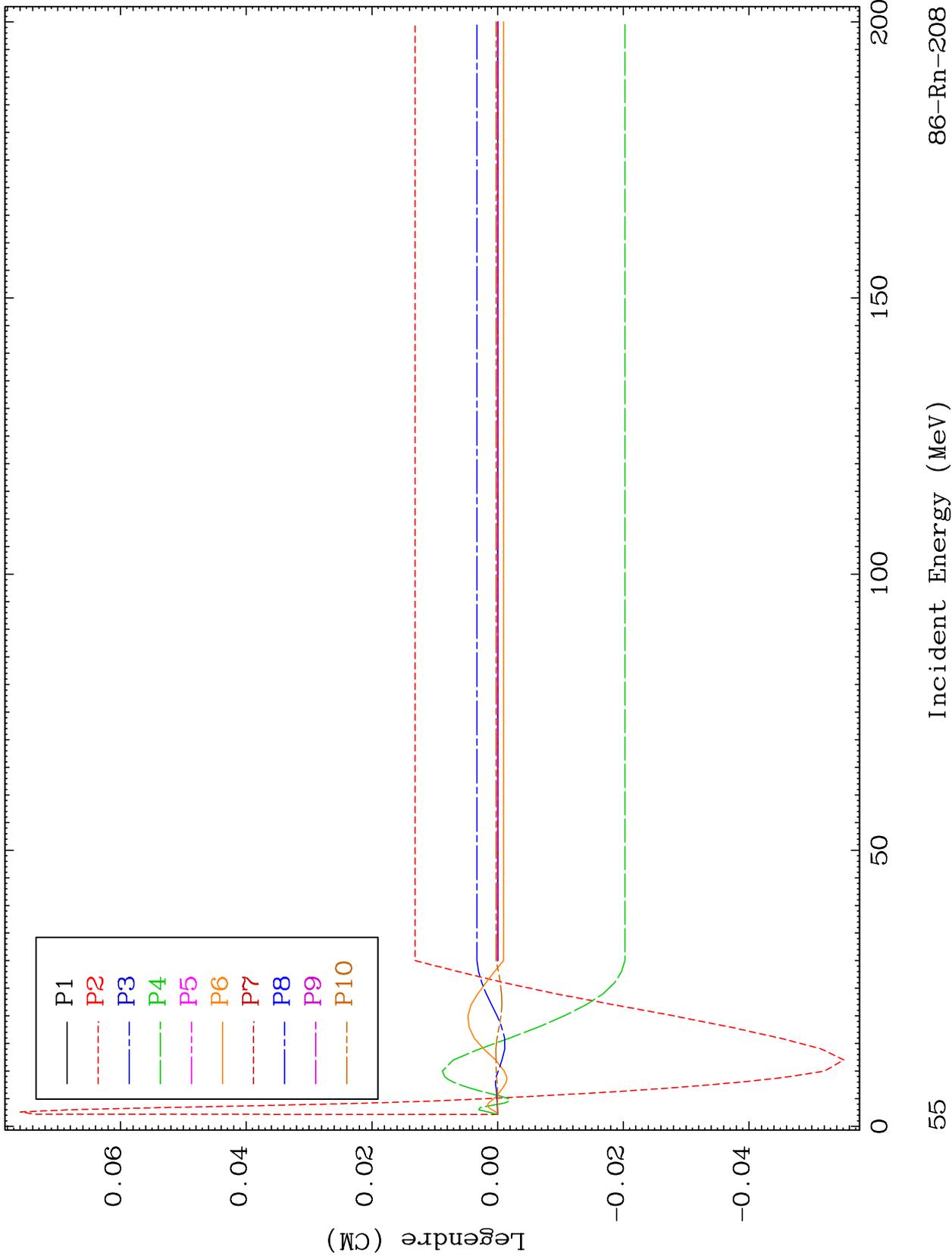
86-Rn-208



MAT 8616

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

86-Rn-208



86-Rn-208

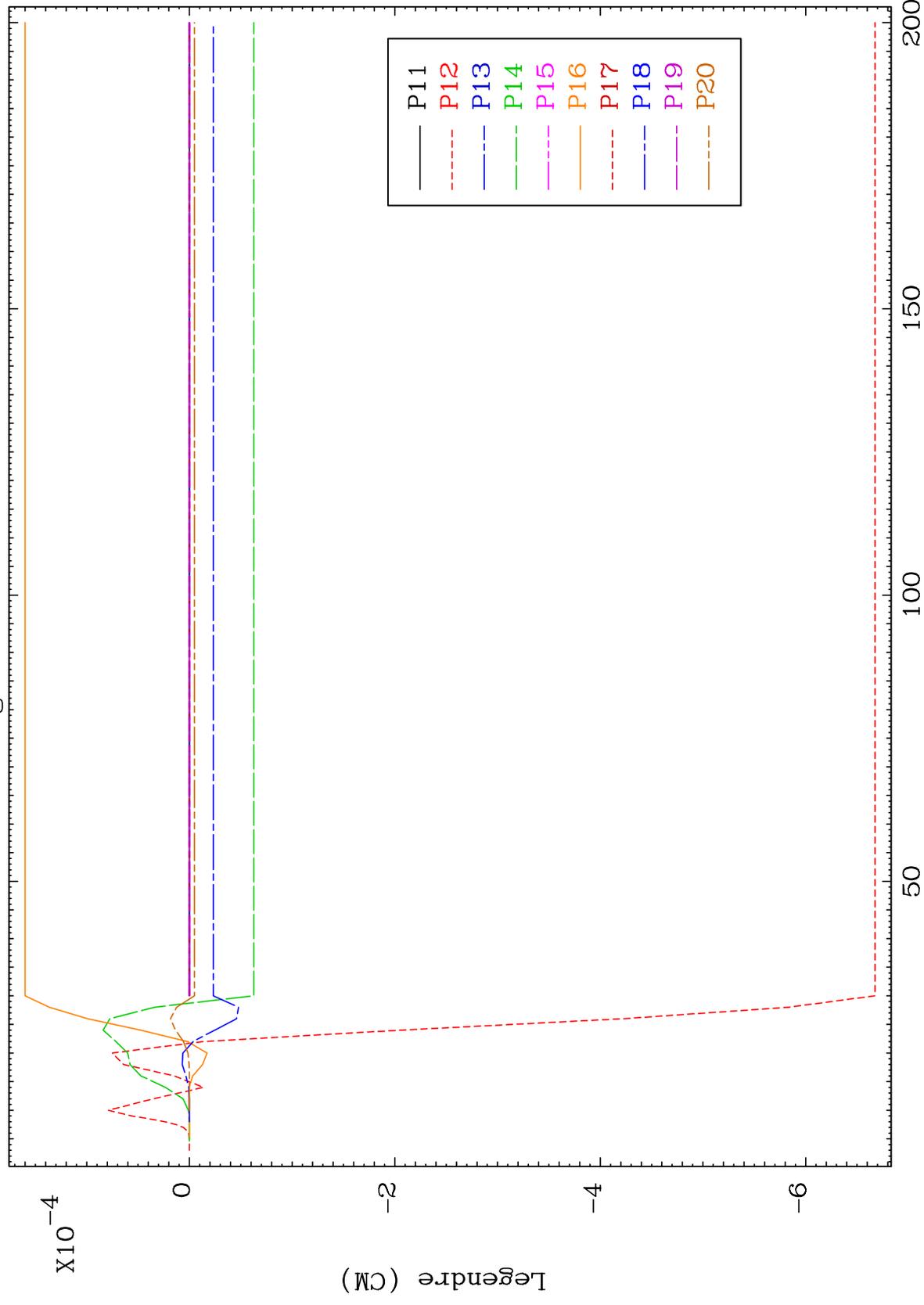
Incident Energy (MeV)

55

MAT 8616

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

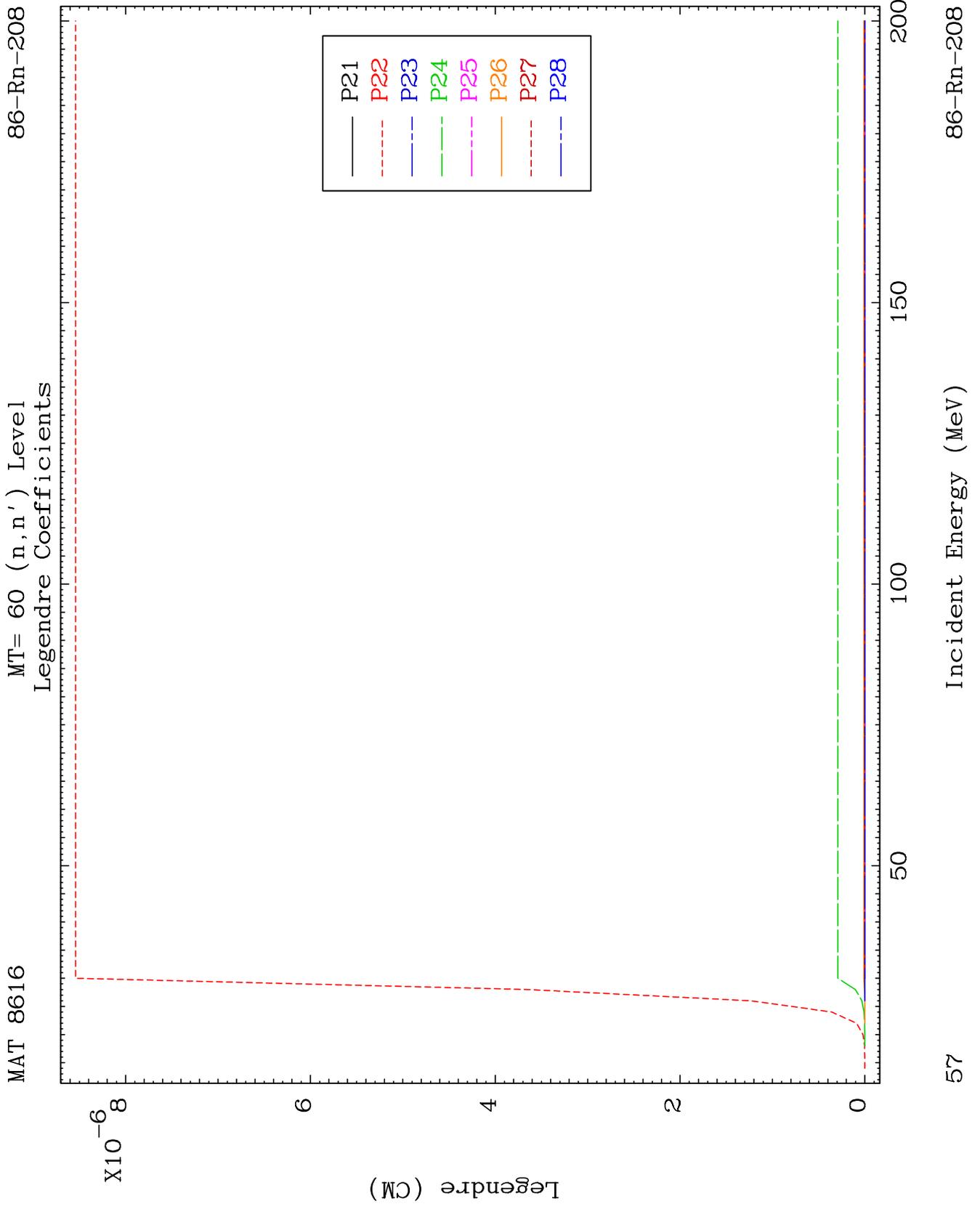
86-Rn-208



56

Incident Energy (MeV)

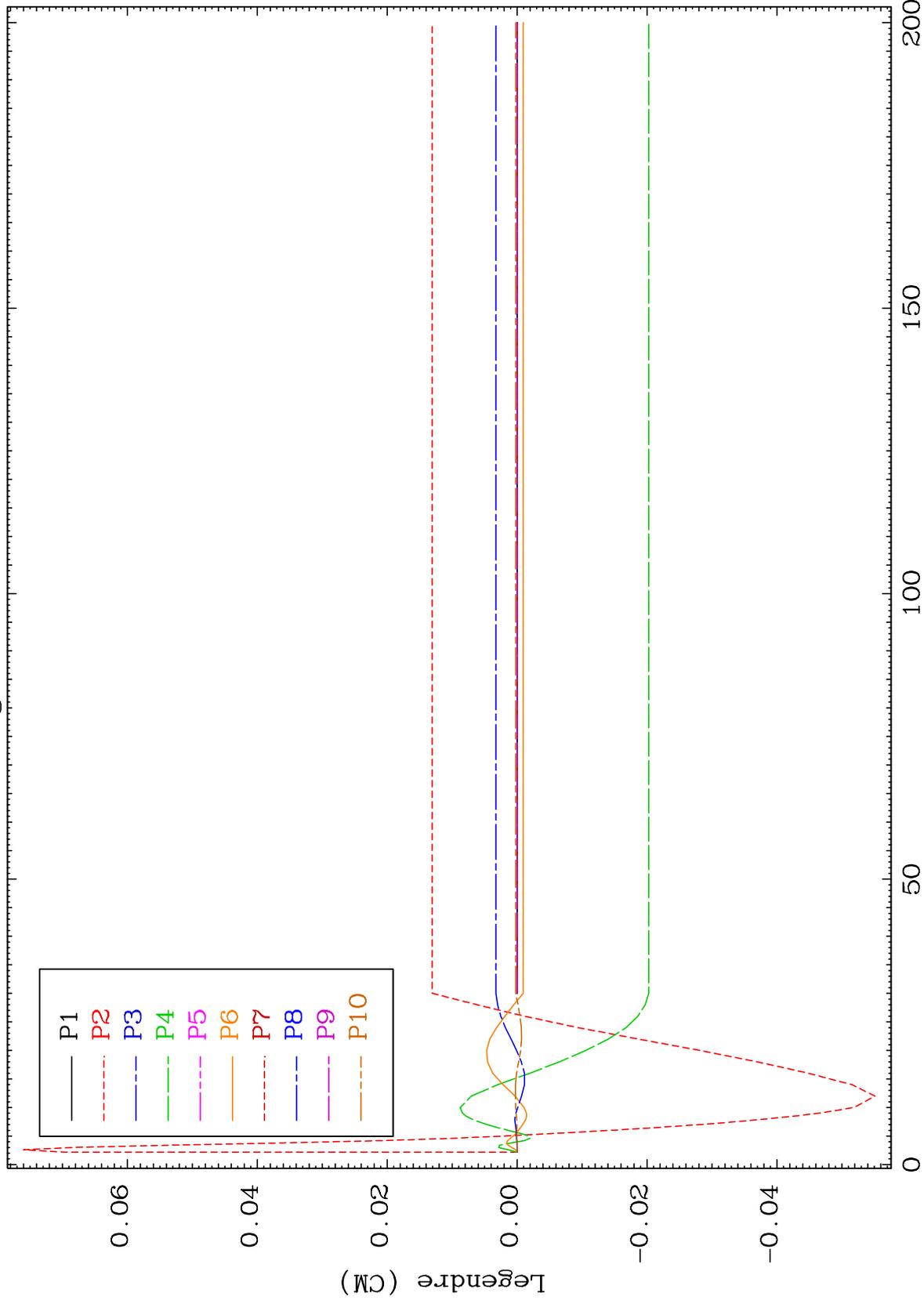
86-Rn-208



MAT 8616

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

86-Rn-208



86-Rn-208

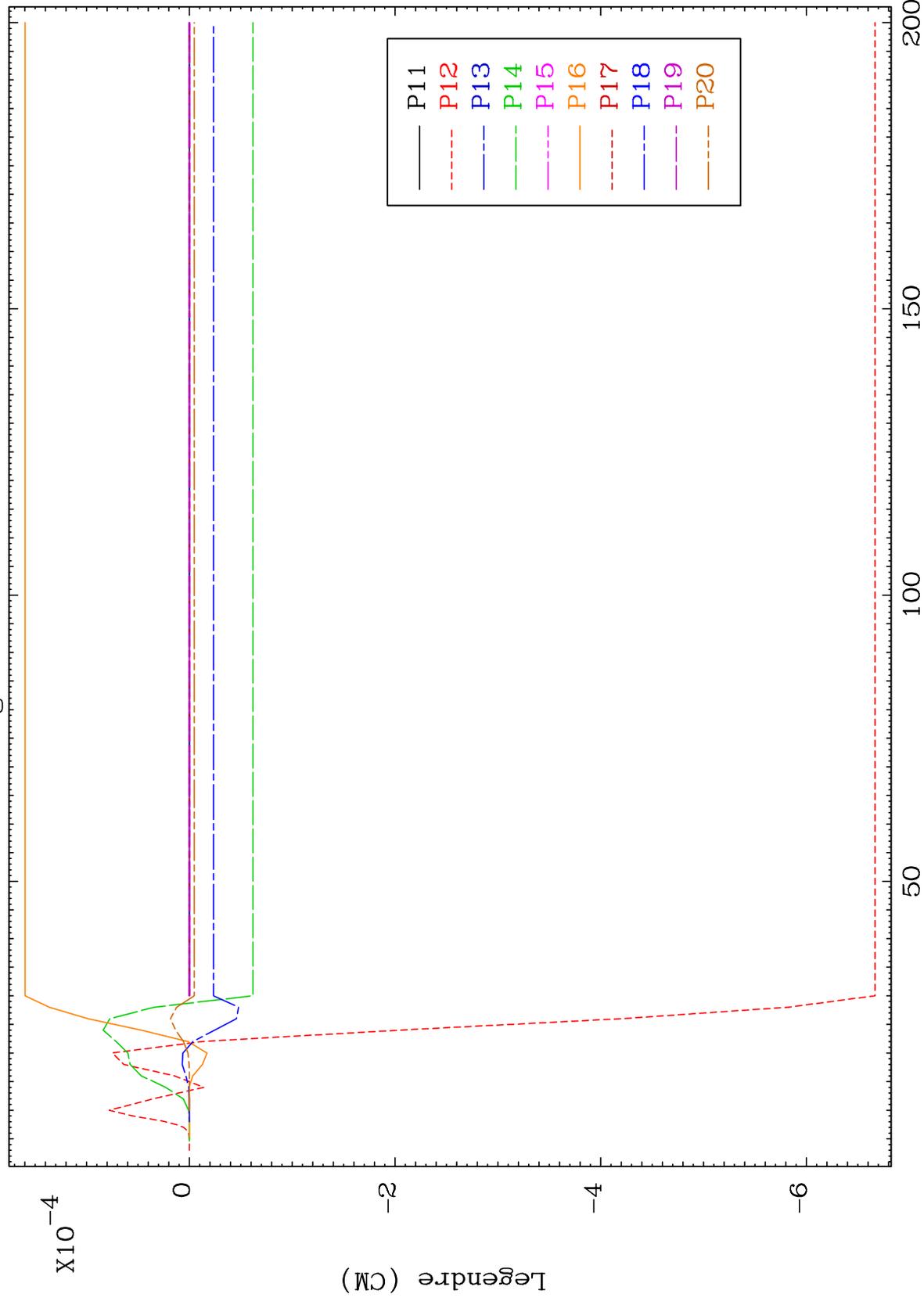
Incident Energy (MeV)

58

MAT 8616

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

86-Rn-208



59

86-Rn-208

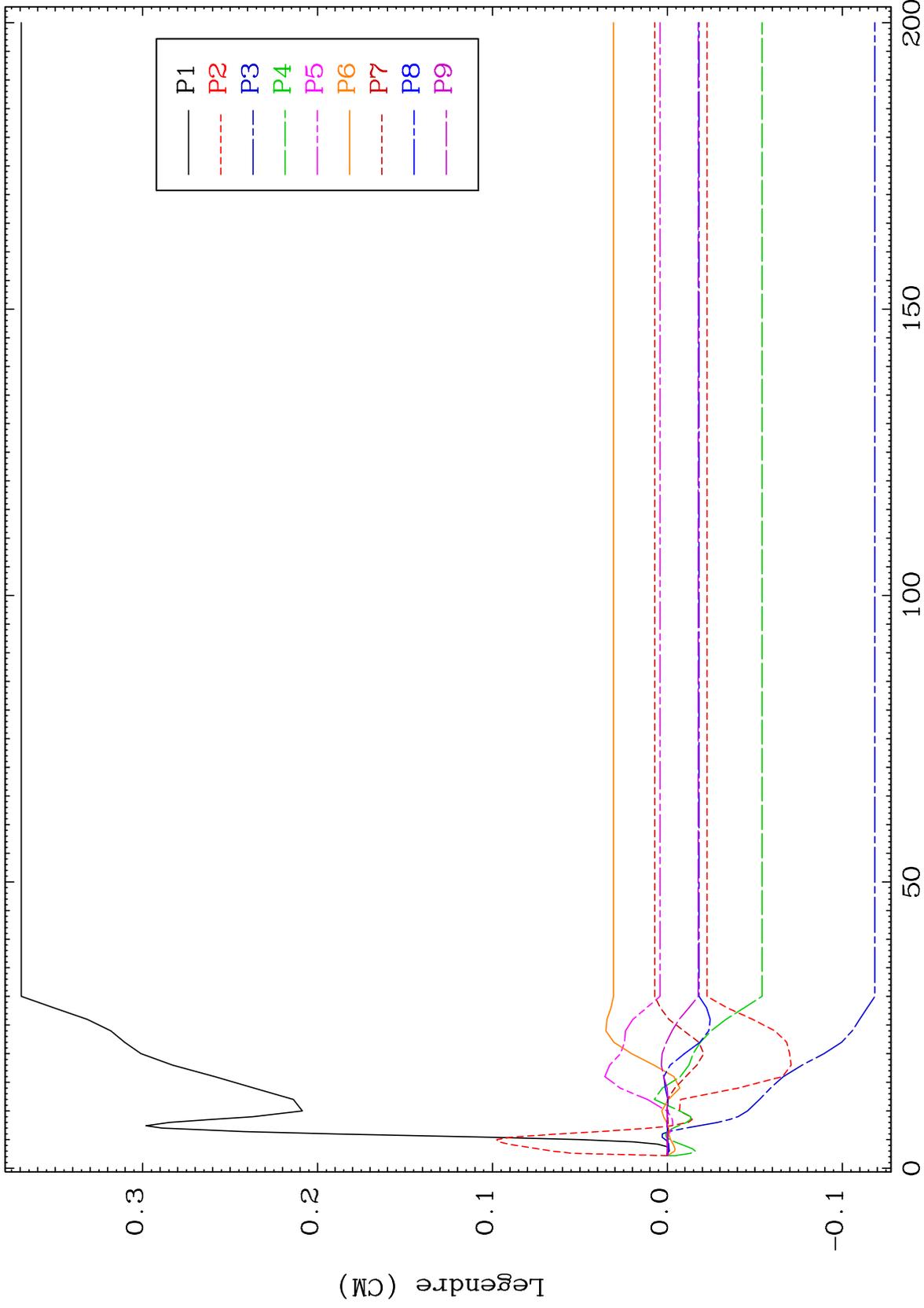
86-Rn-208



MAT 8616

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

86-Rn-208



61

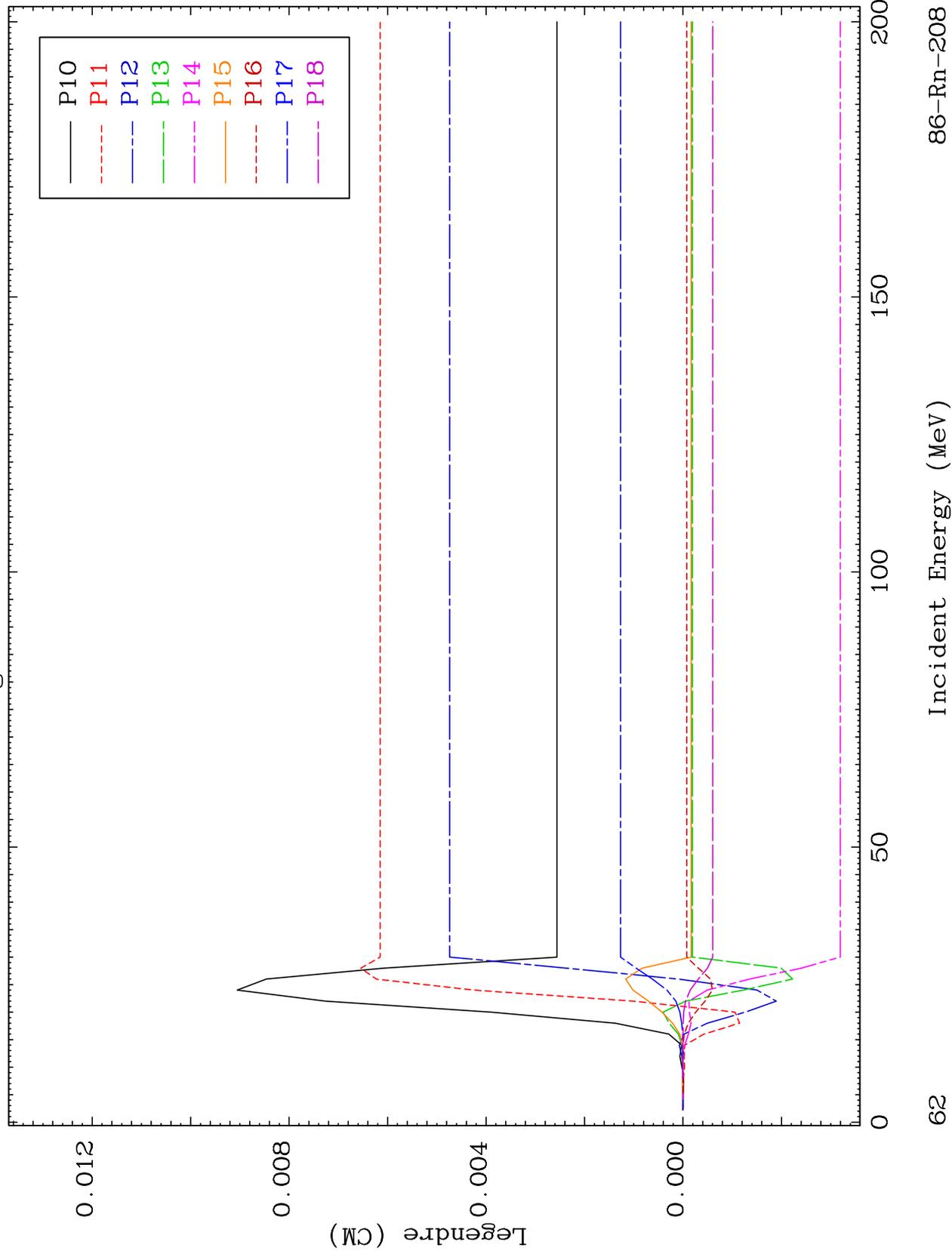
Incident Energy (MeV)

86-Rn-208

MAT 8616

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

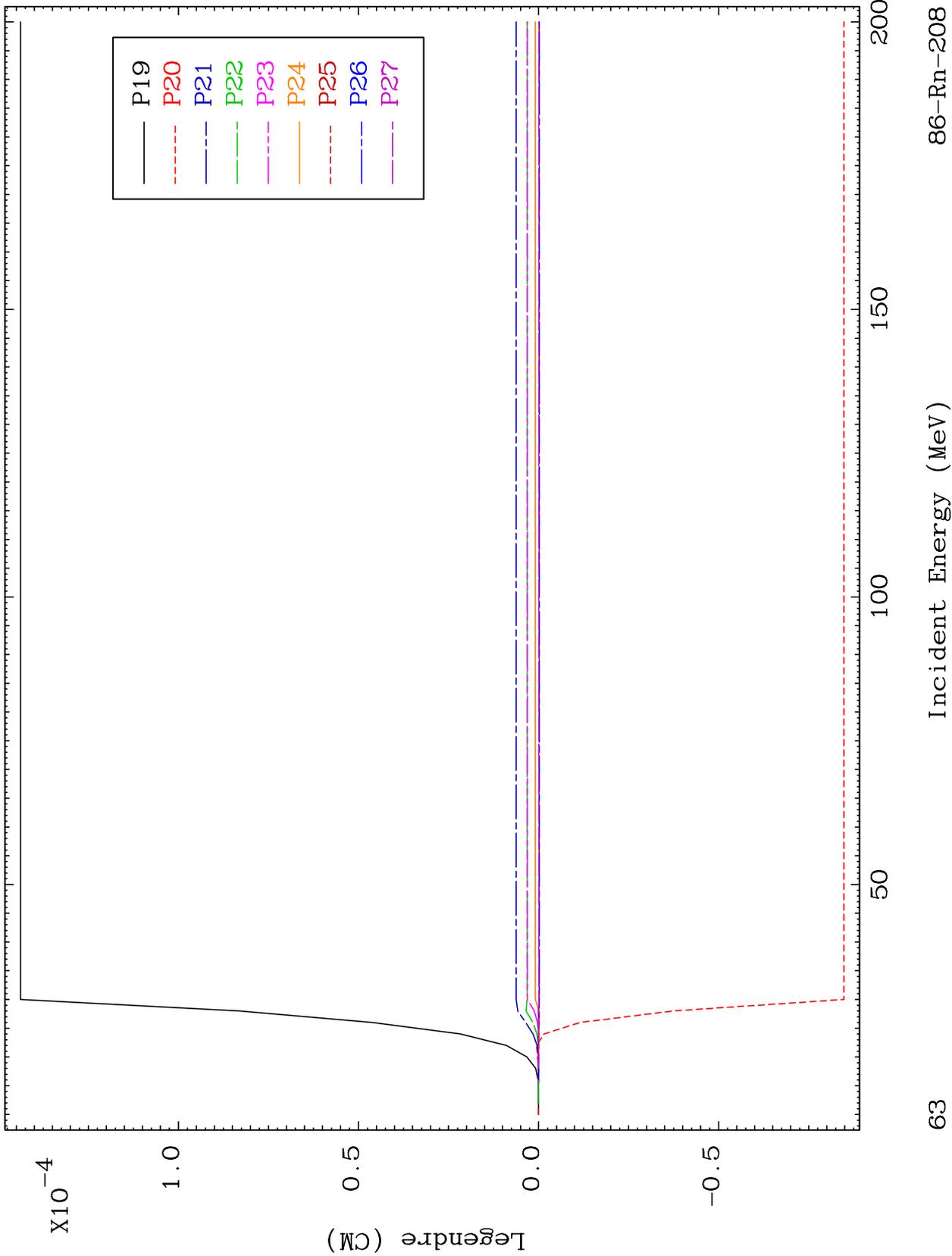
86-Rn-208

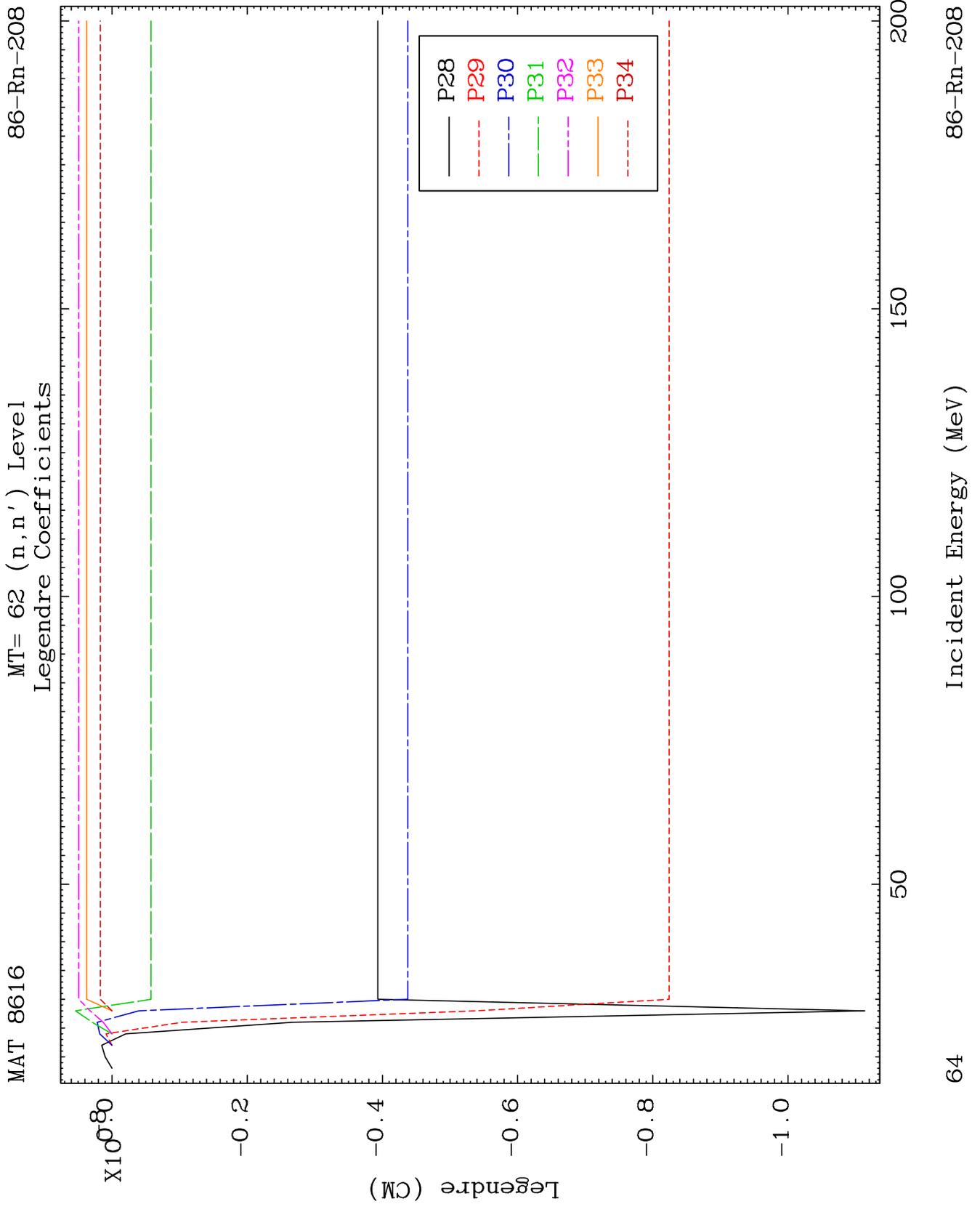


86-Rn-208

Incident Energy (MeV)

62

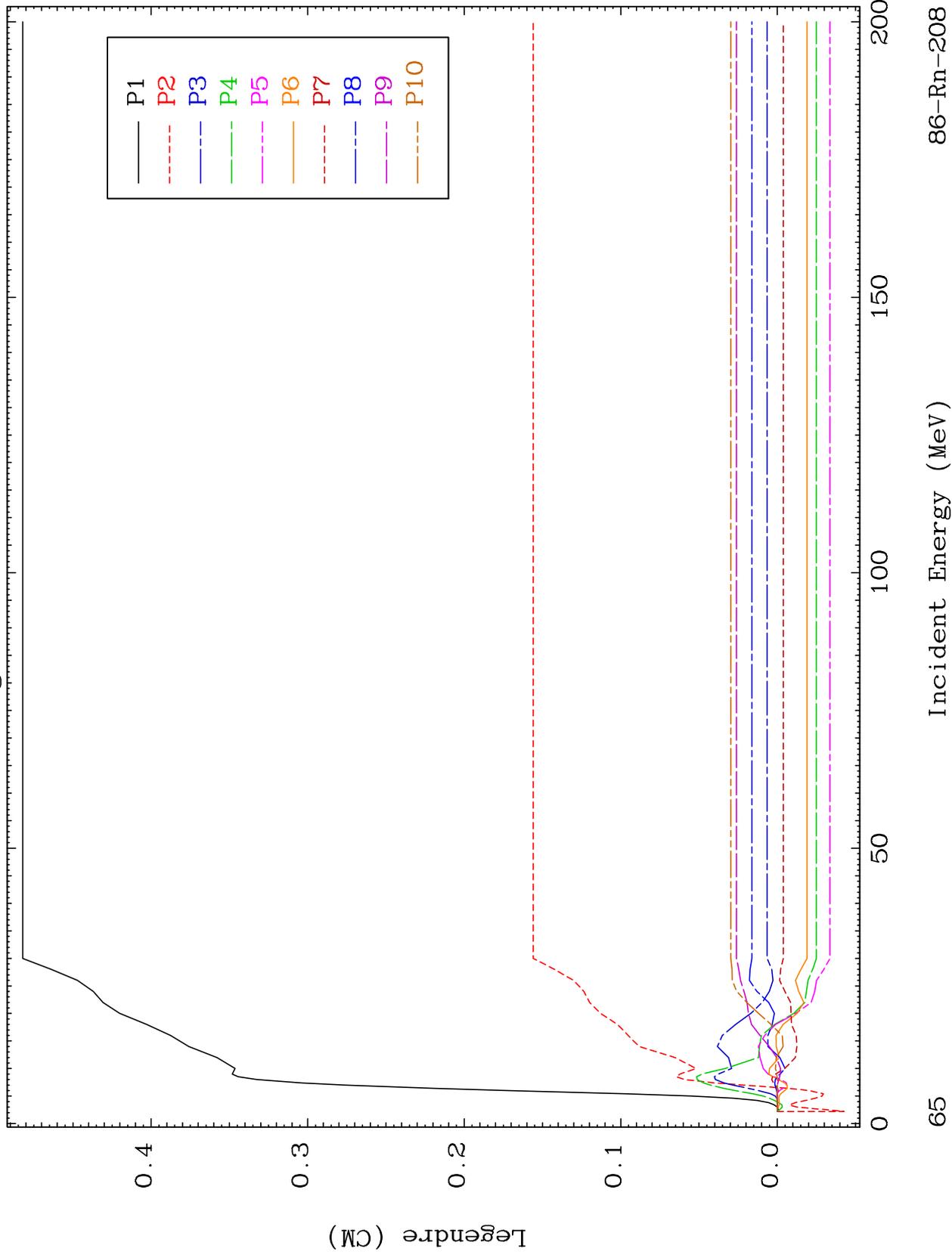




MAT 8616

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

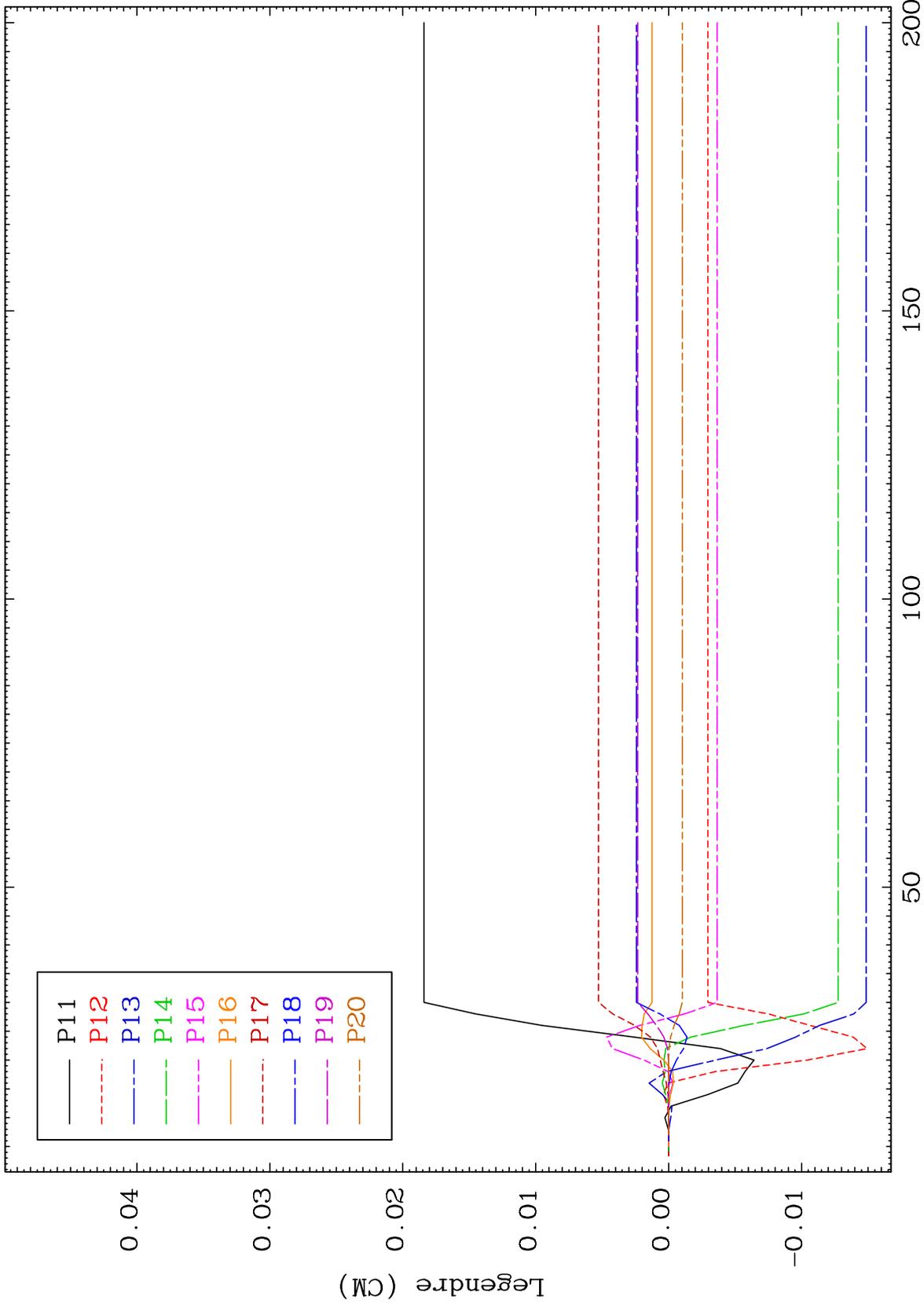
86-Rn-208



86-Rn-208

Incident Energy (MeV)

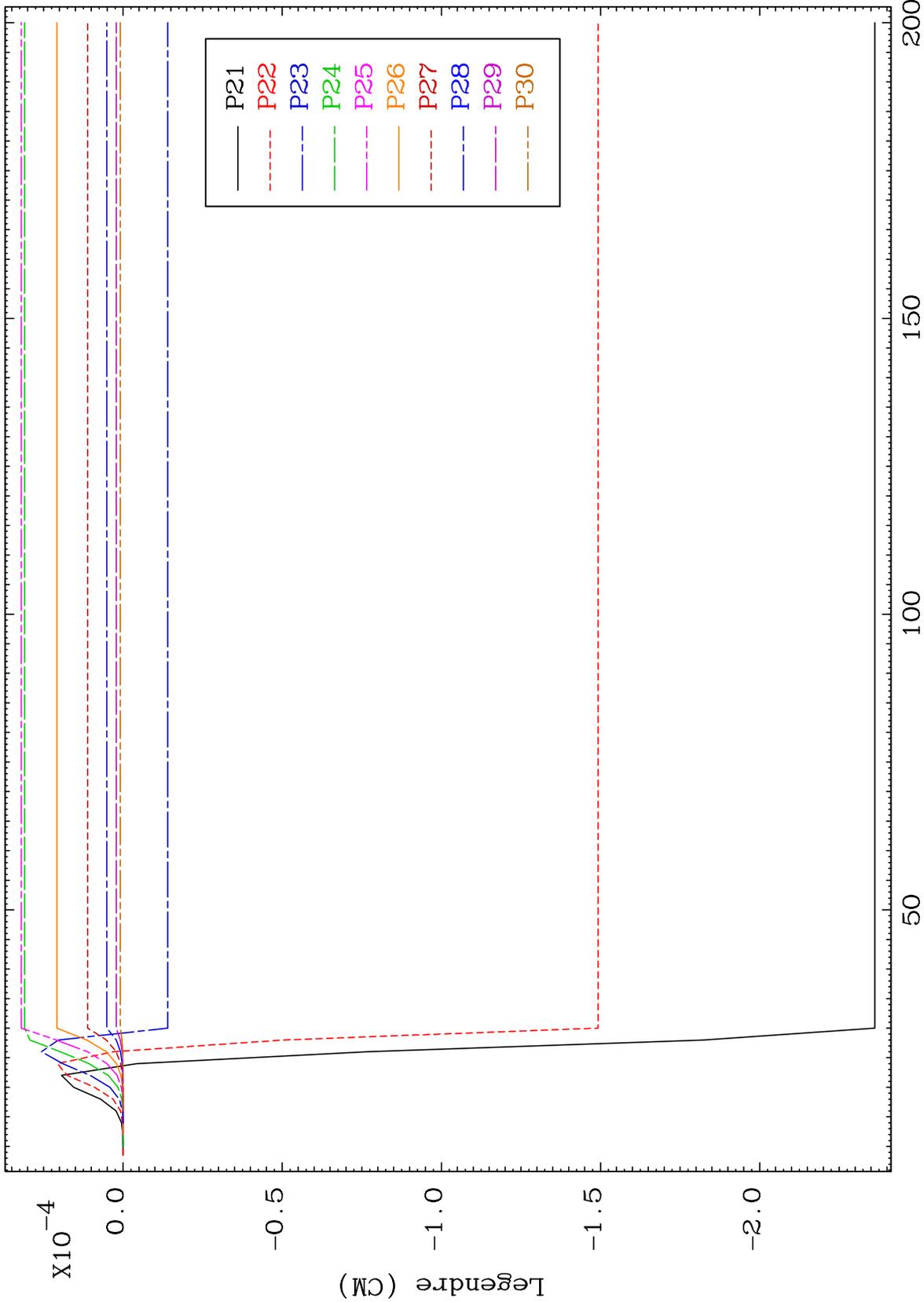
65



MAT 8616

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

86-Rn-208



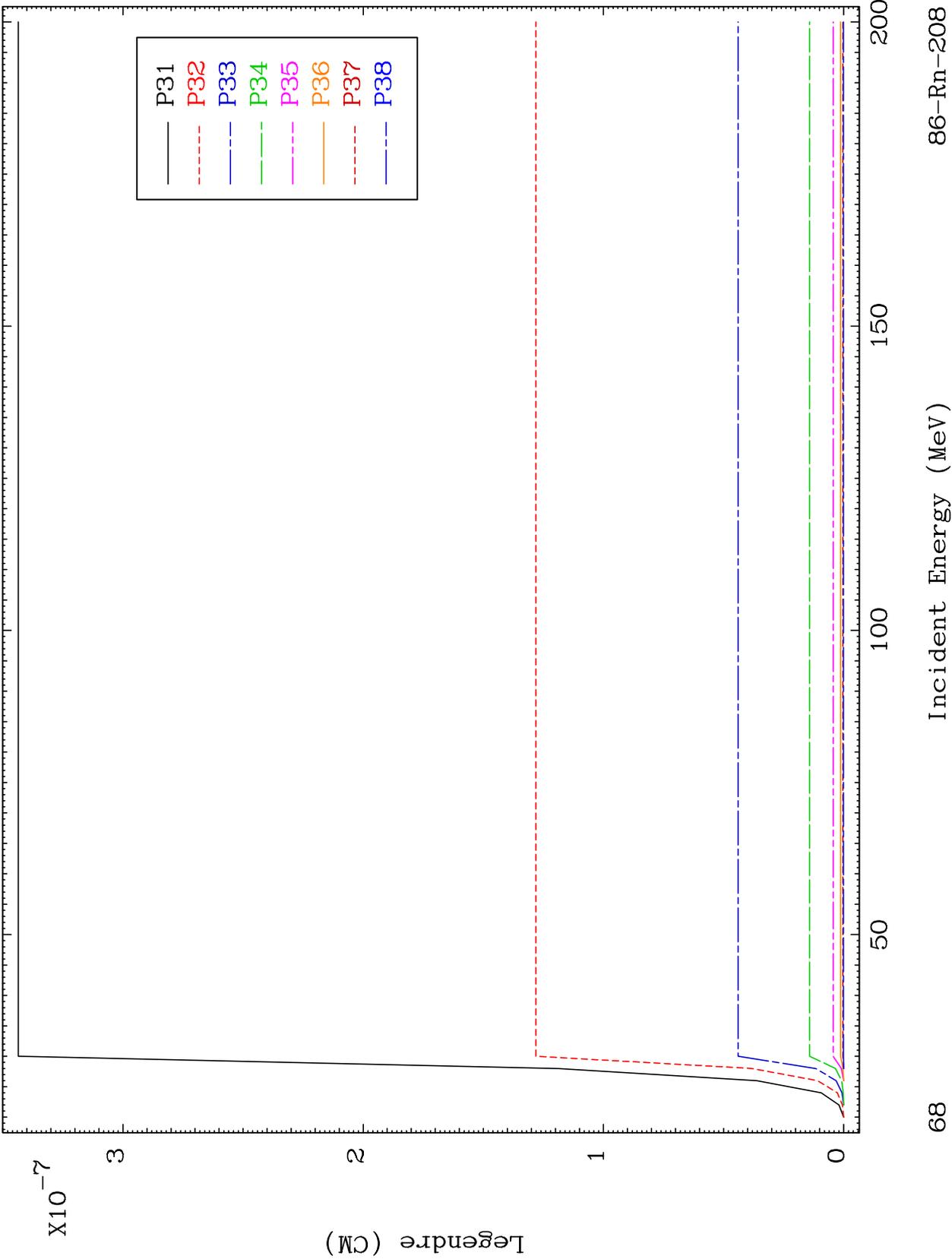
67

86-Rn-208

MAT 8616

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

86-Rn-208



68

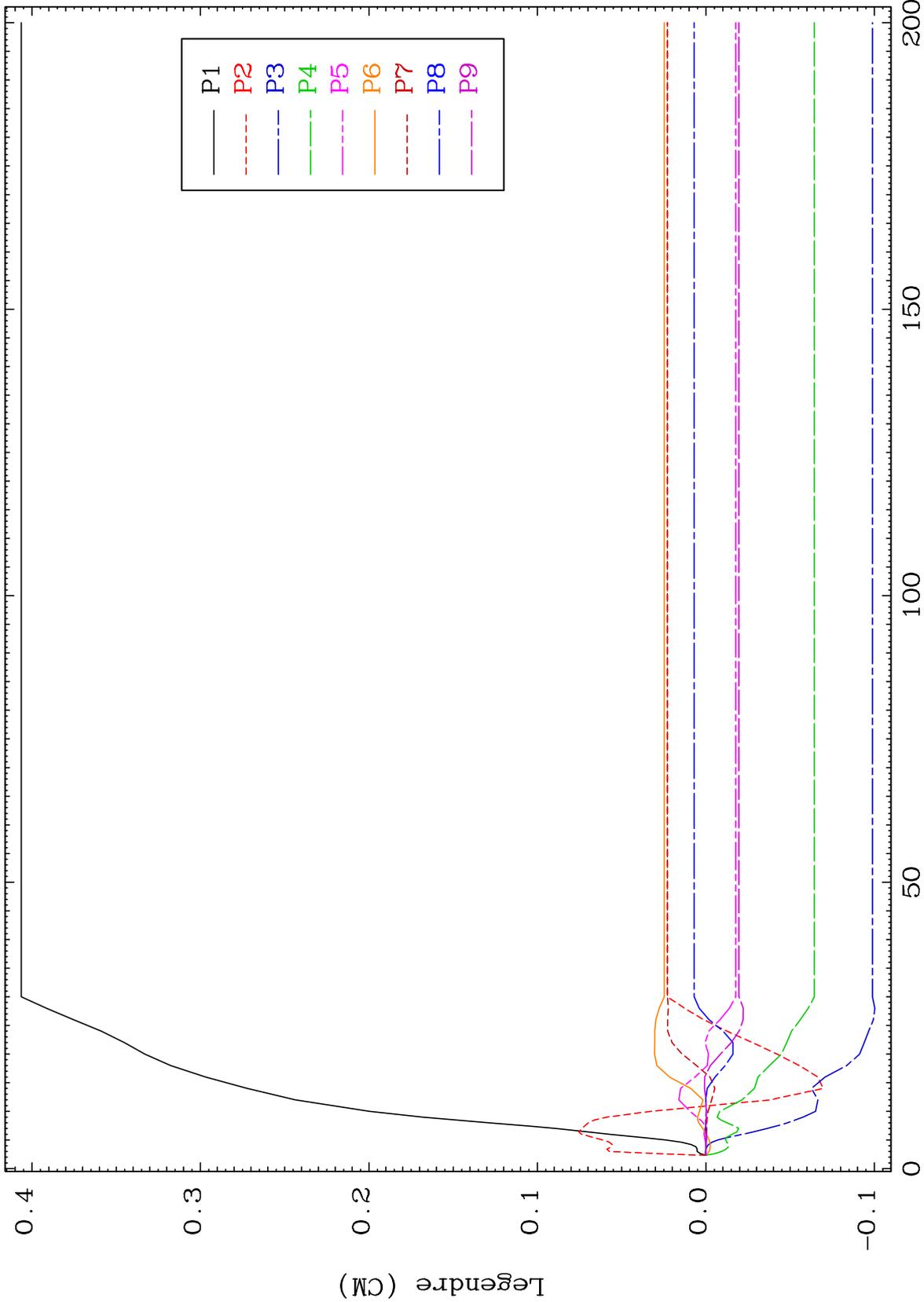
Incident Energy (MeV)

86-Rn-208

MAT 8616

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

86-Rn-208



69

Incident Energy (MeV)

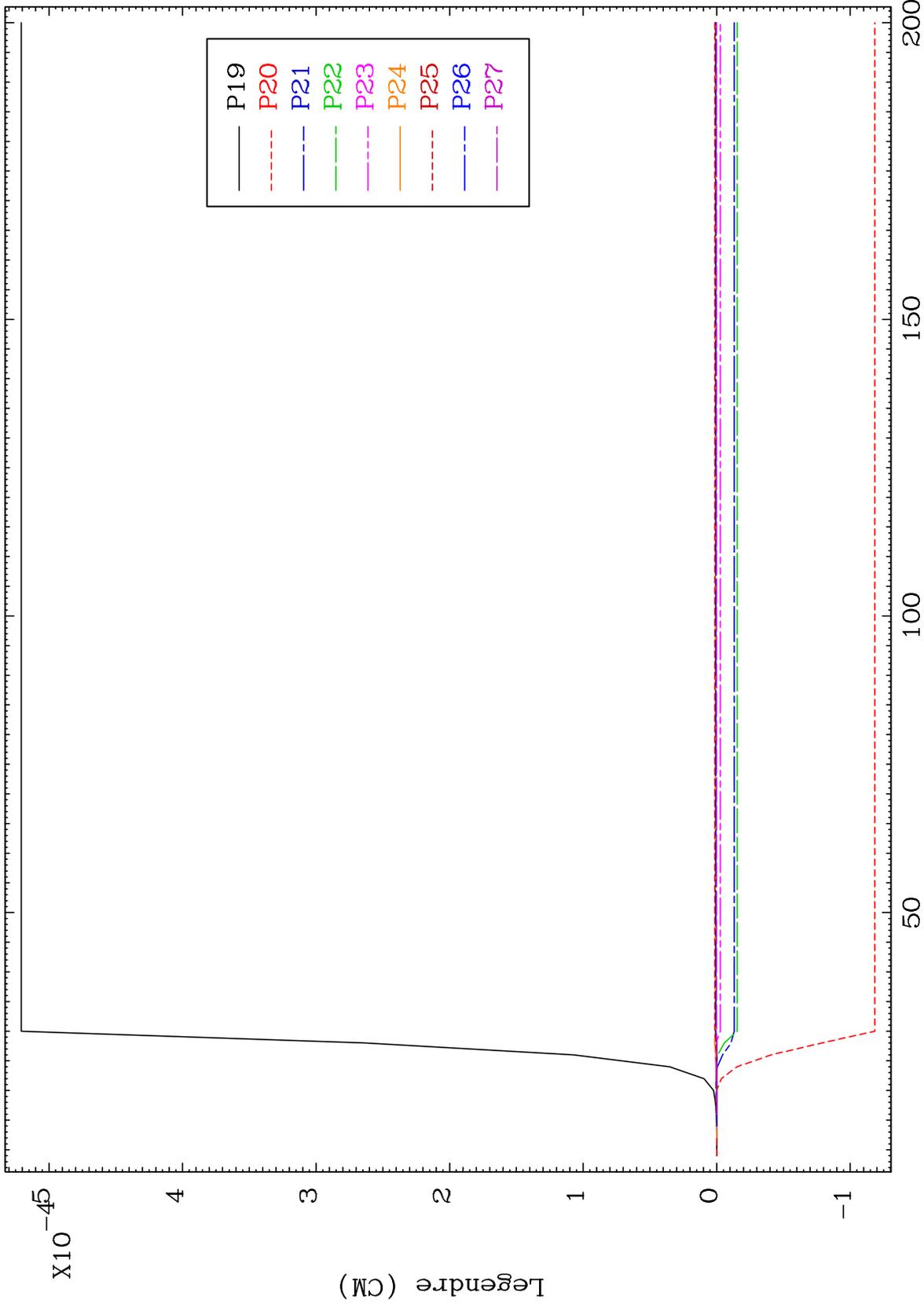
86-Rn-208



MAT 8616

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

86-Rn-208



71

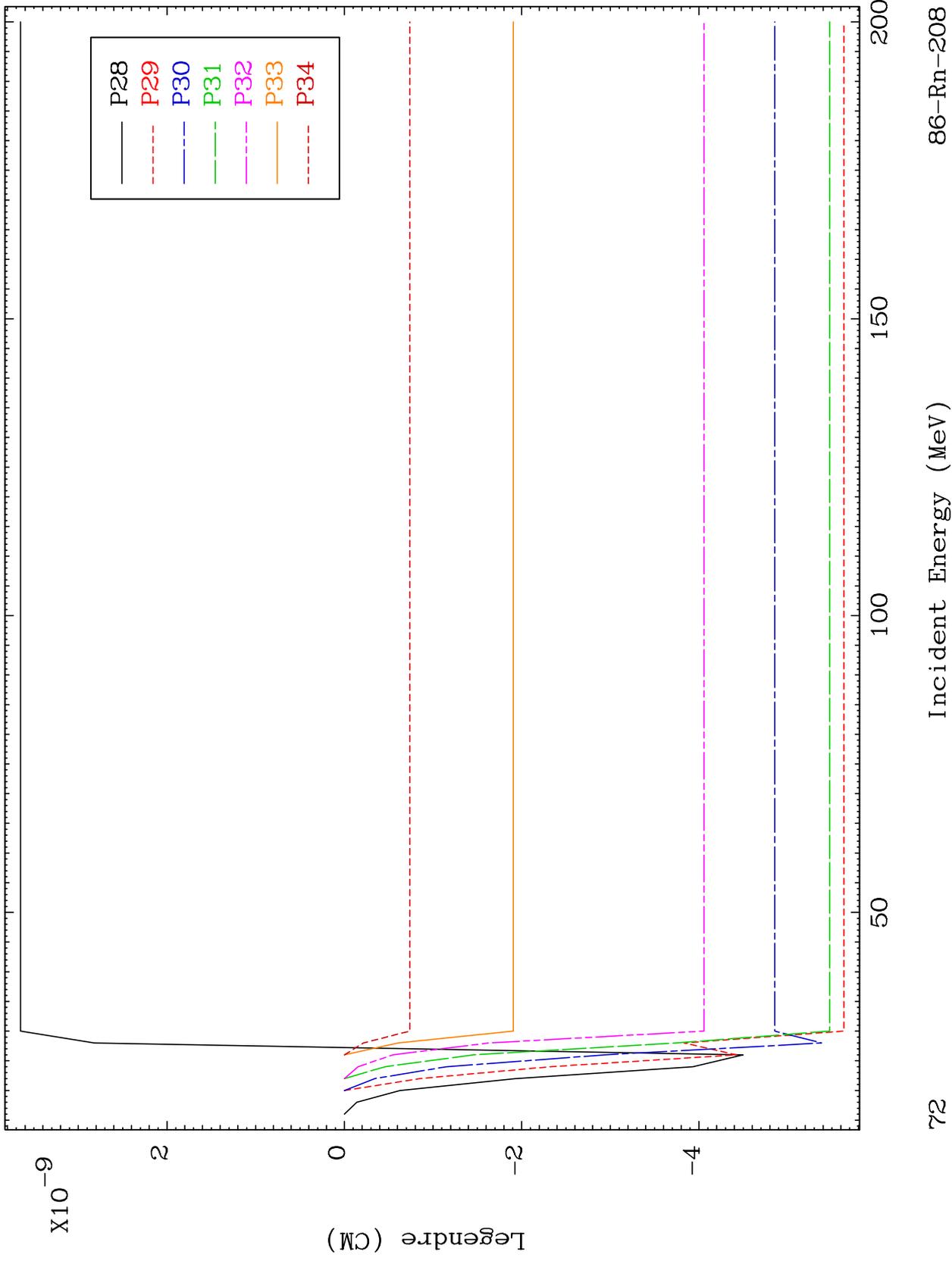
Incident Energy (MeV)

86-Rn-208

MAT 8616

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

86-Rn-208



72

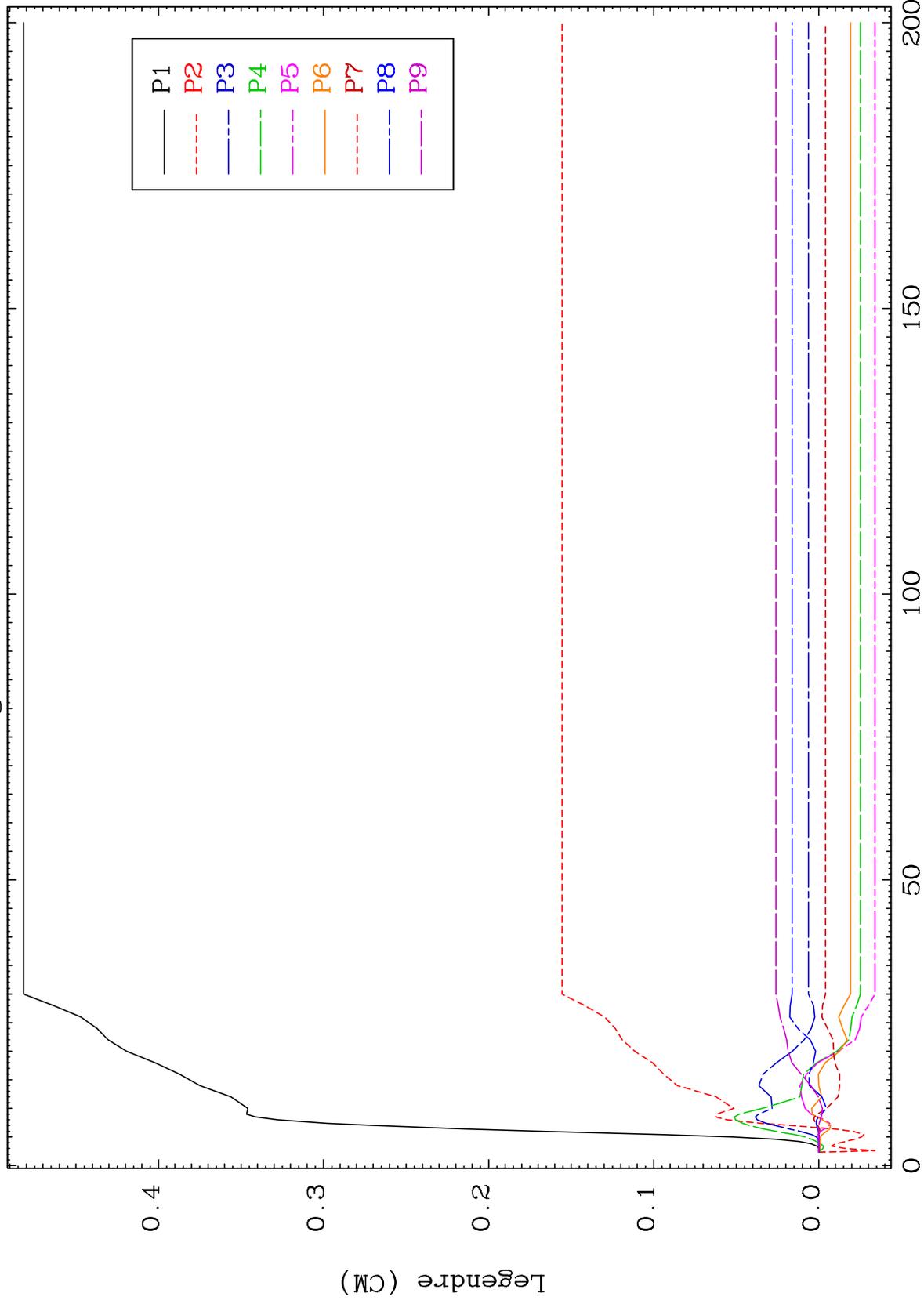
Incident Energy (MeV)

86-Rn-208

MAT 8616

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

86-Rn-208



73

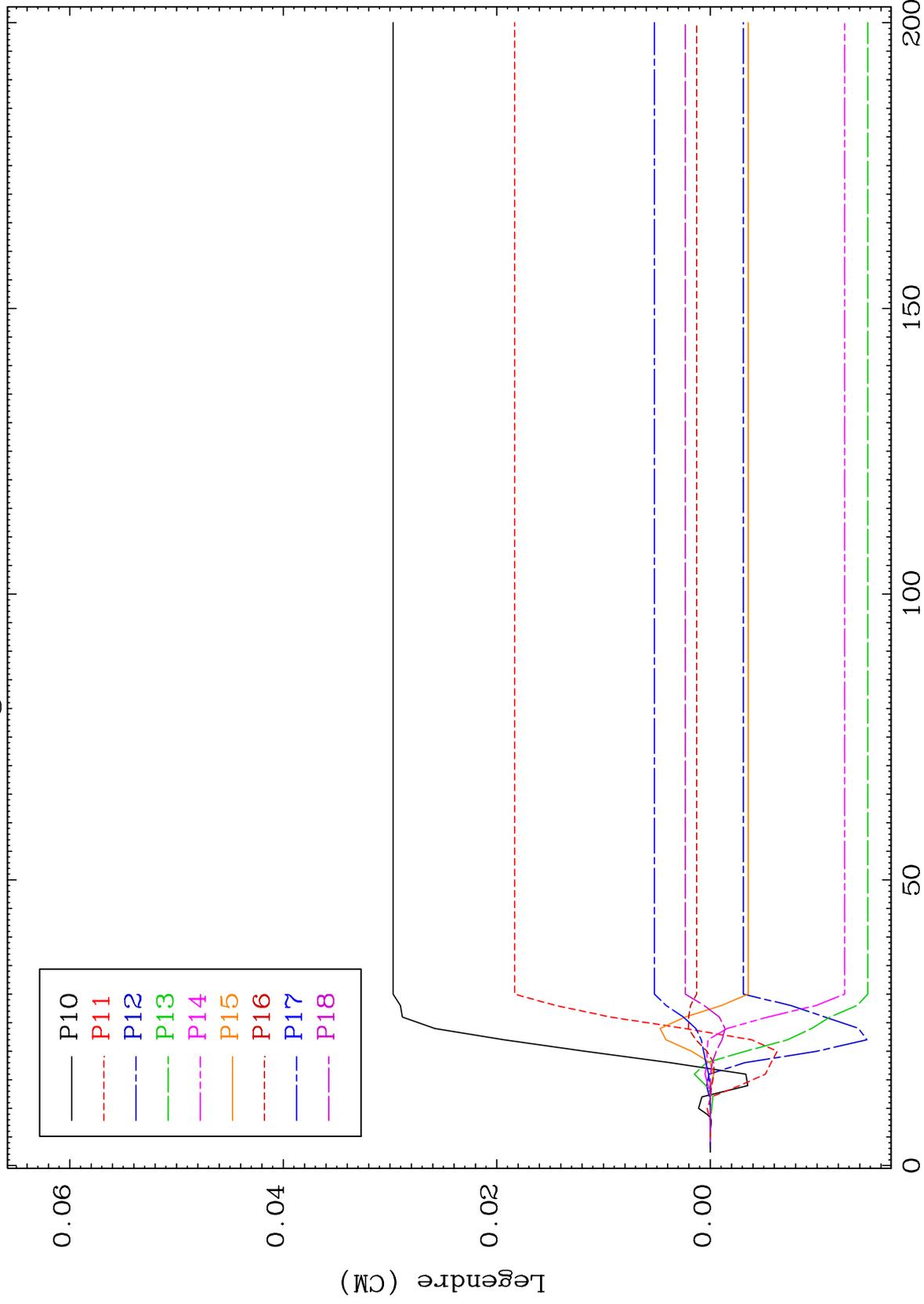
Incident Energy (MeV)

86-Rn-208

MAT 8616

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

86-Rn-208



74

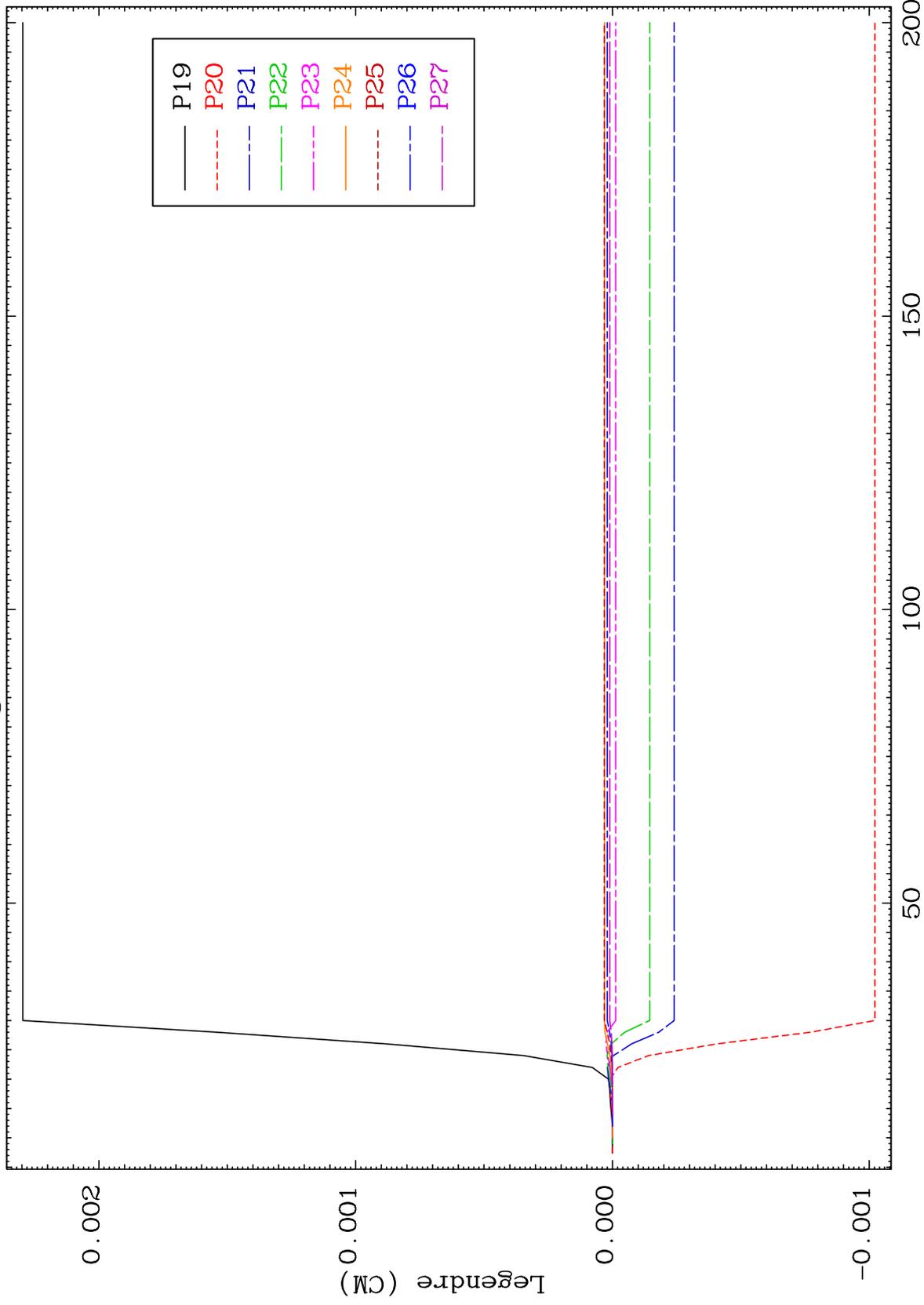
Incident Energy (MeV)

86-Rn-208

MAT 8616

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

86-Rn-208



75

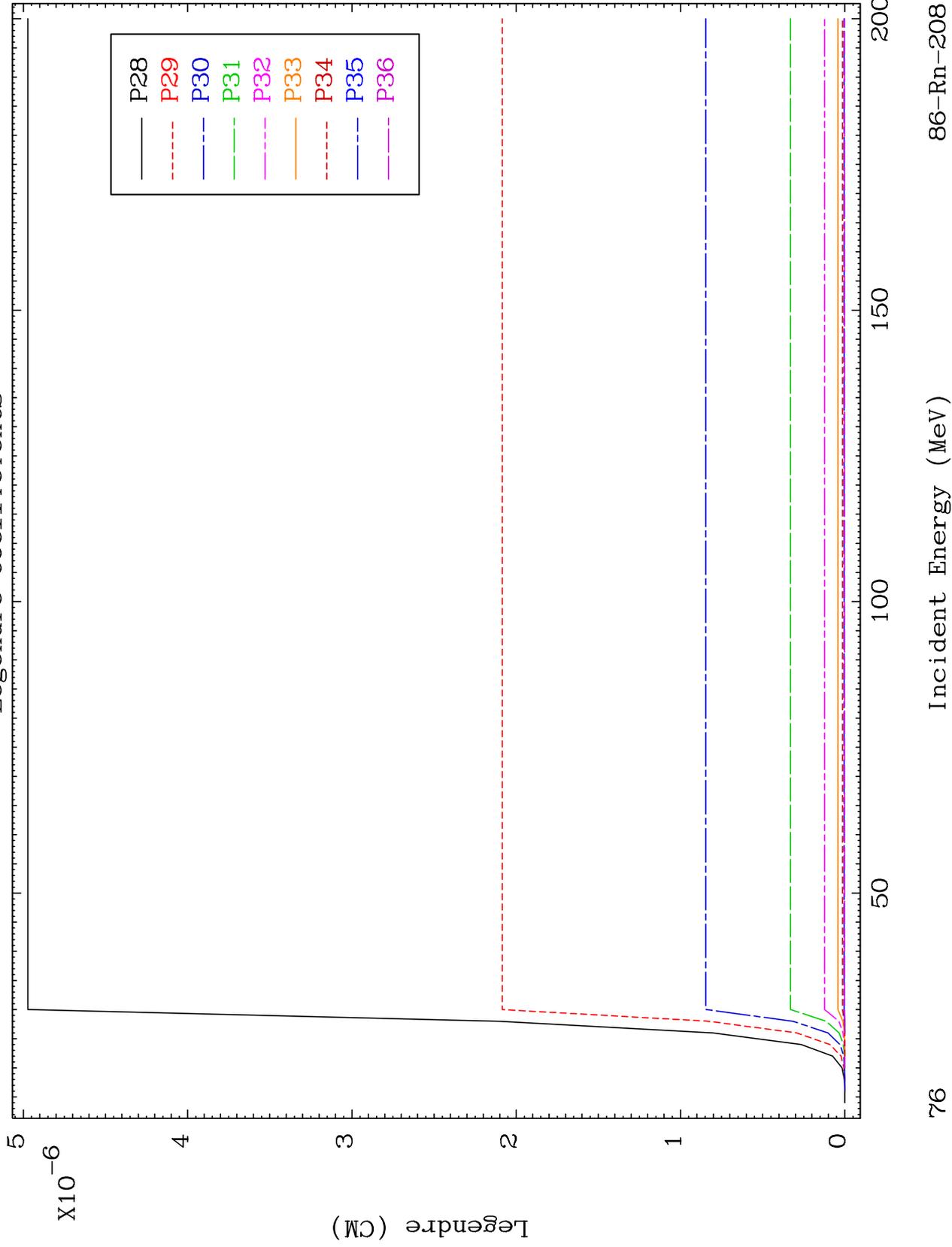
Incident Energy (MeV)

86-Rn-208

MAT 8616

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

86-Rn-208



76

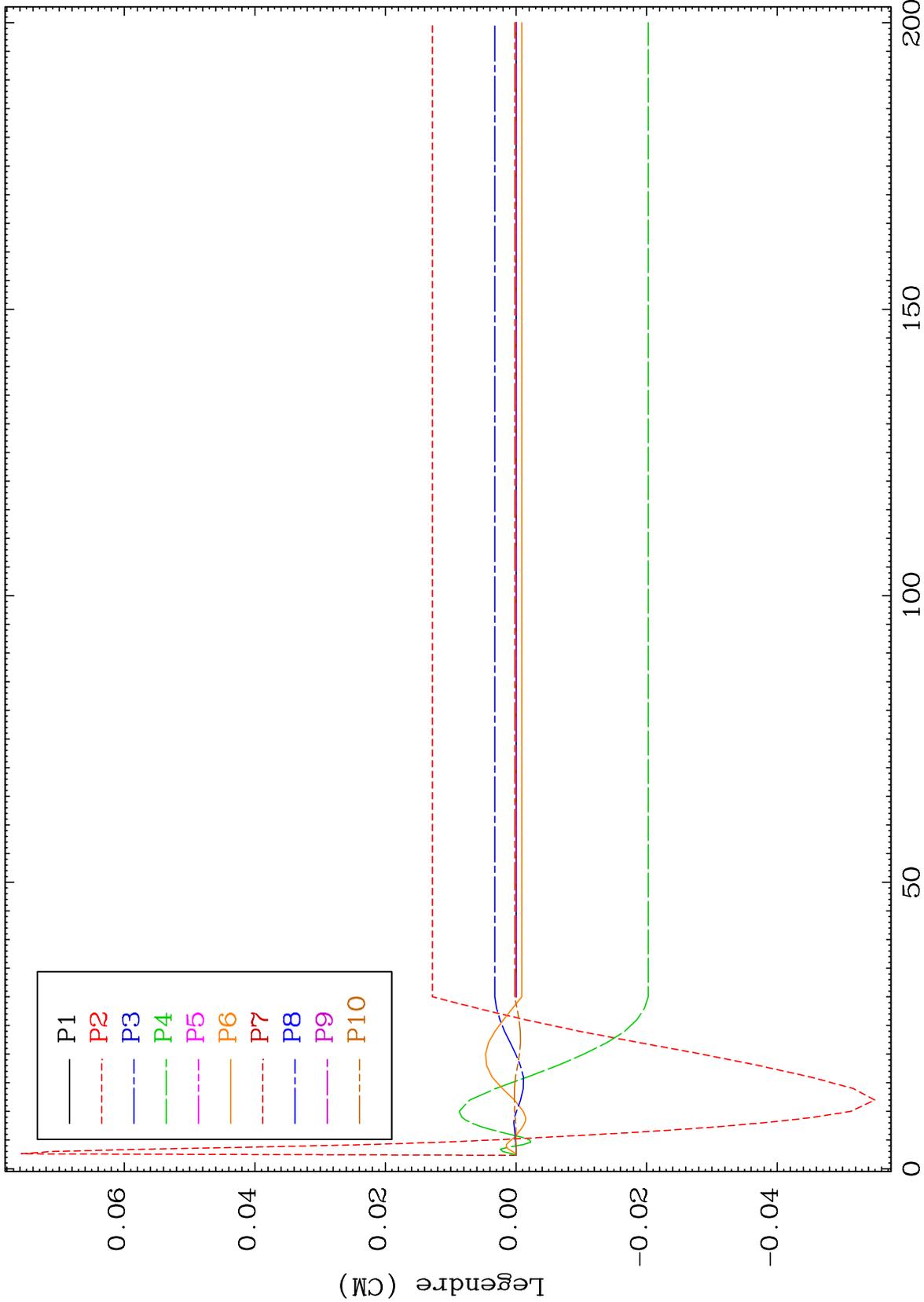
Incident Energy (MeV)

86-Rn-208

MAT 8616

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

86-Rn-208



77

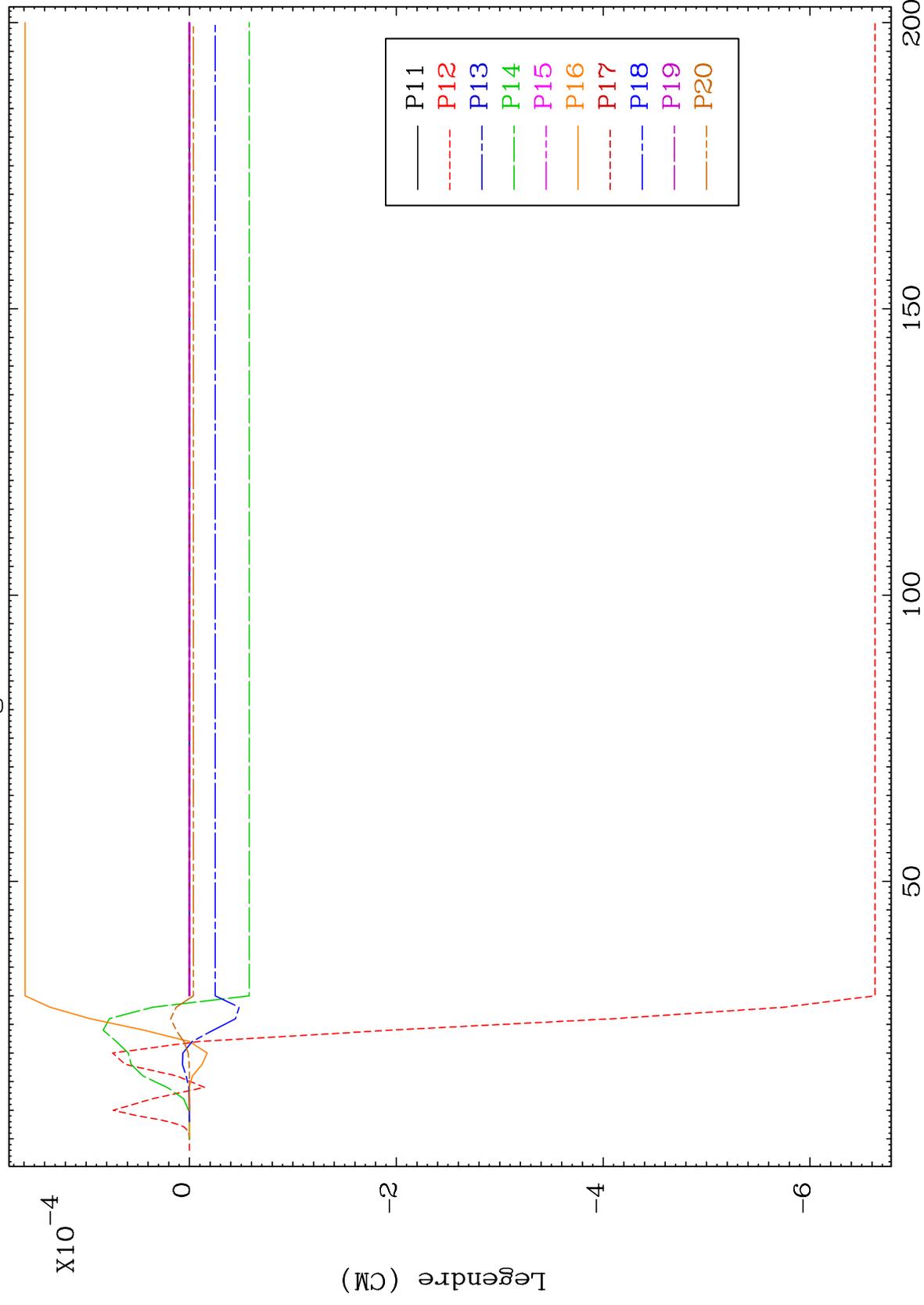
Incident Energy (MeV)

86-Rn-208

MAT 8616

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

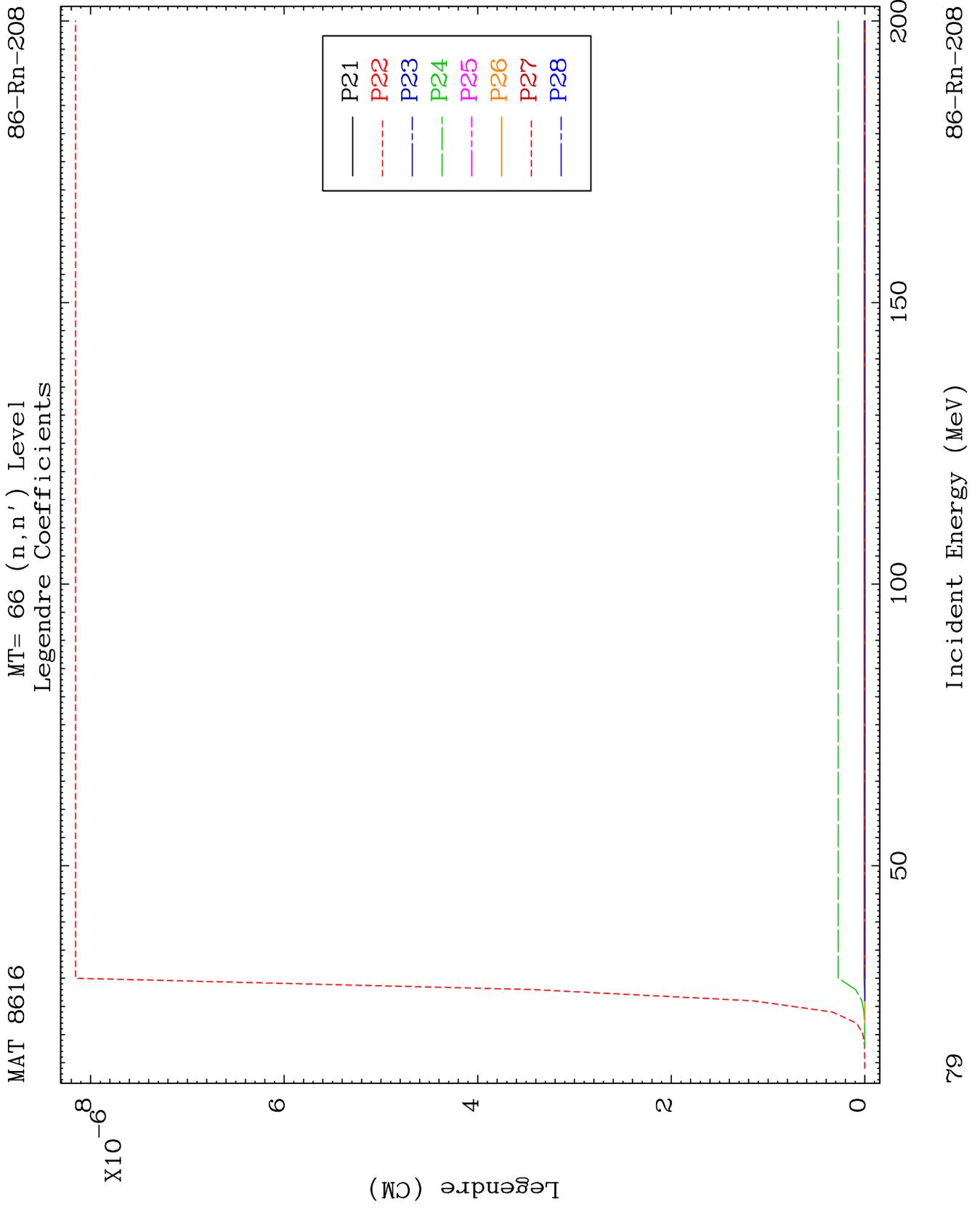
86-Rn-208



78

Incident Energy (MeV)

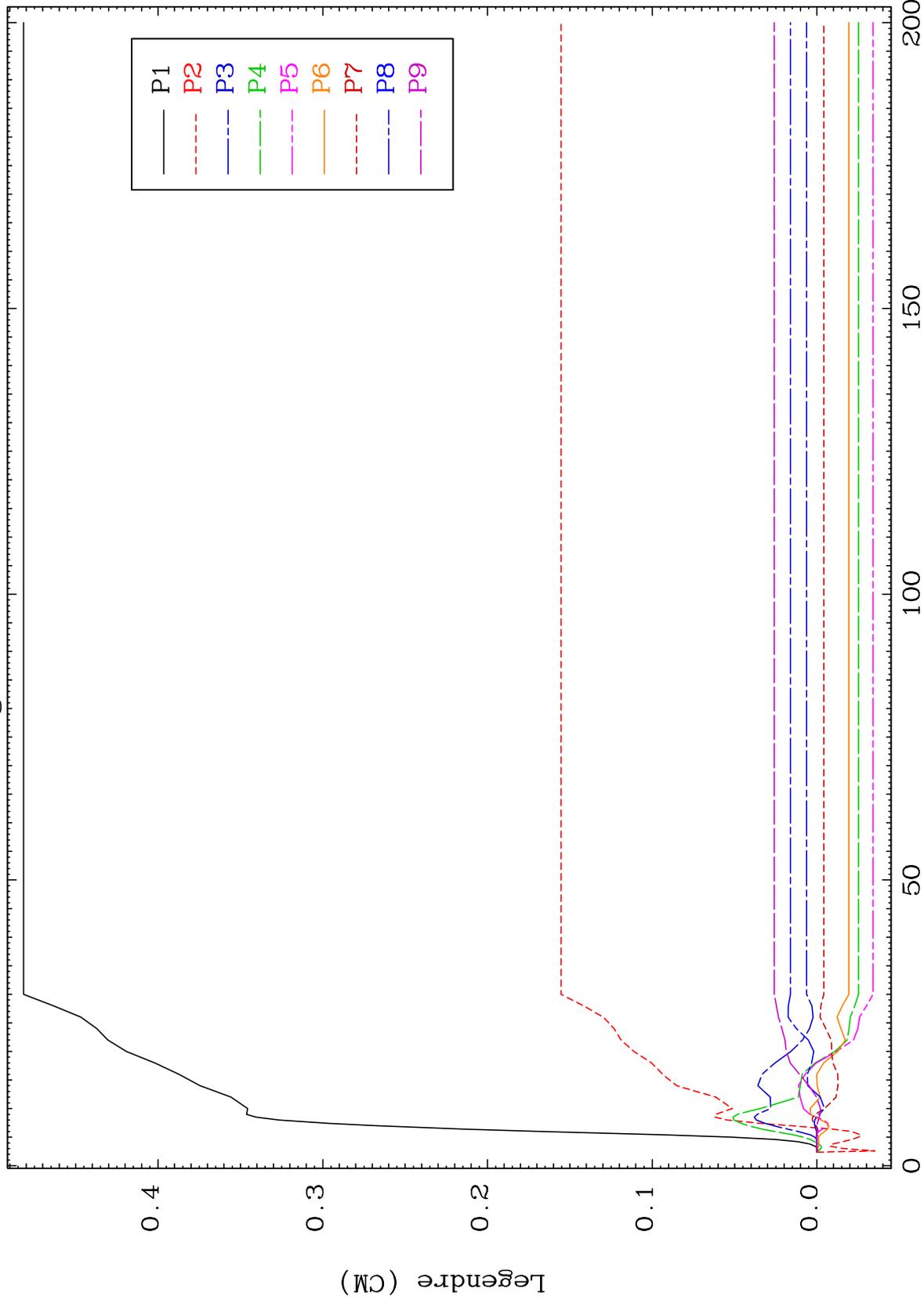
86-Rn-208



MAT 8616

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

86-Rn-208



86-Rn-208

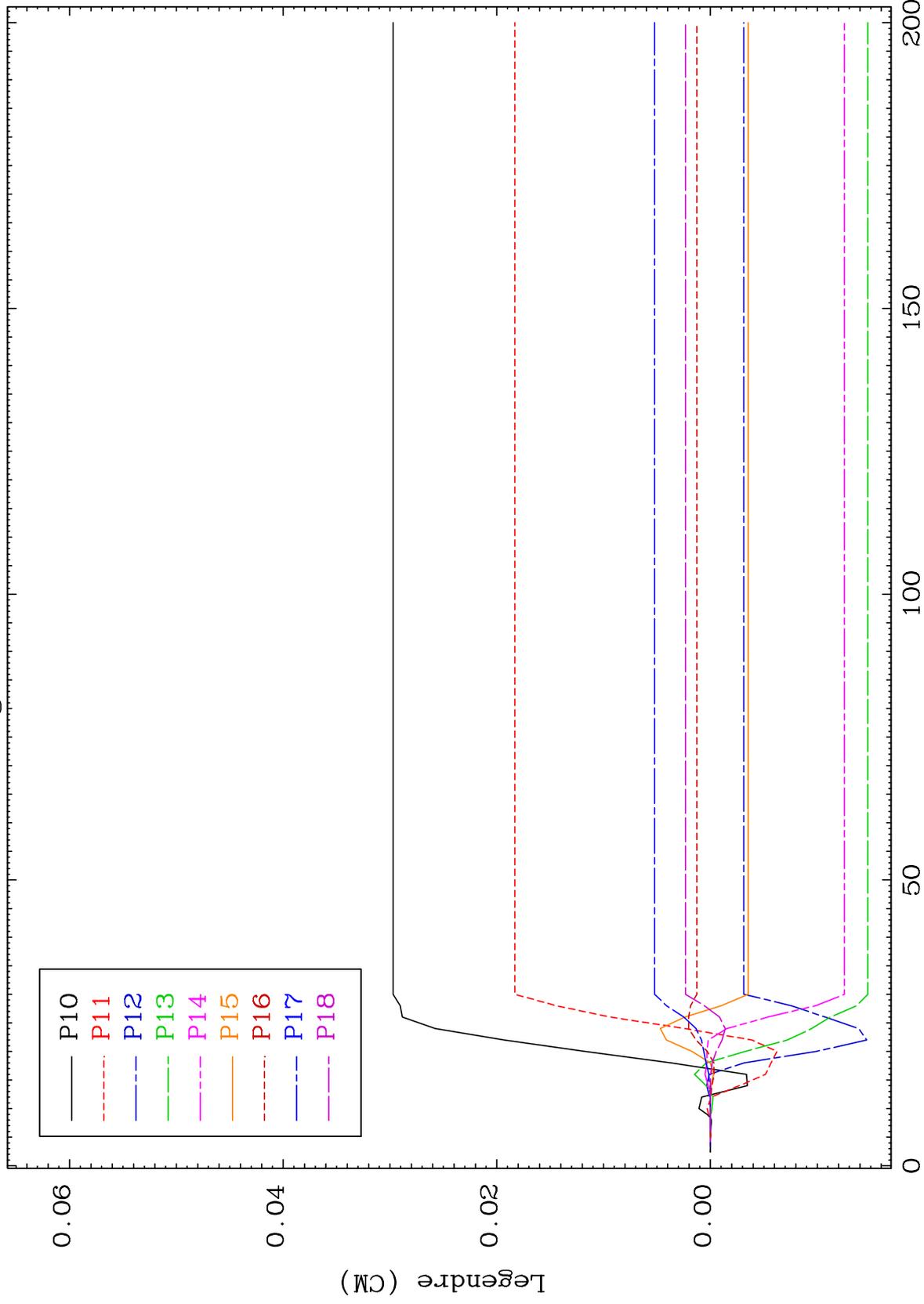
Incident Energy (MeV)

80

MAT 8616

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

86-Rn-208



81

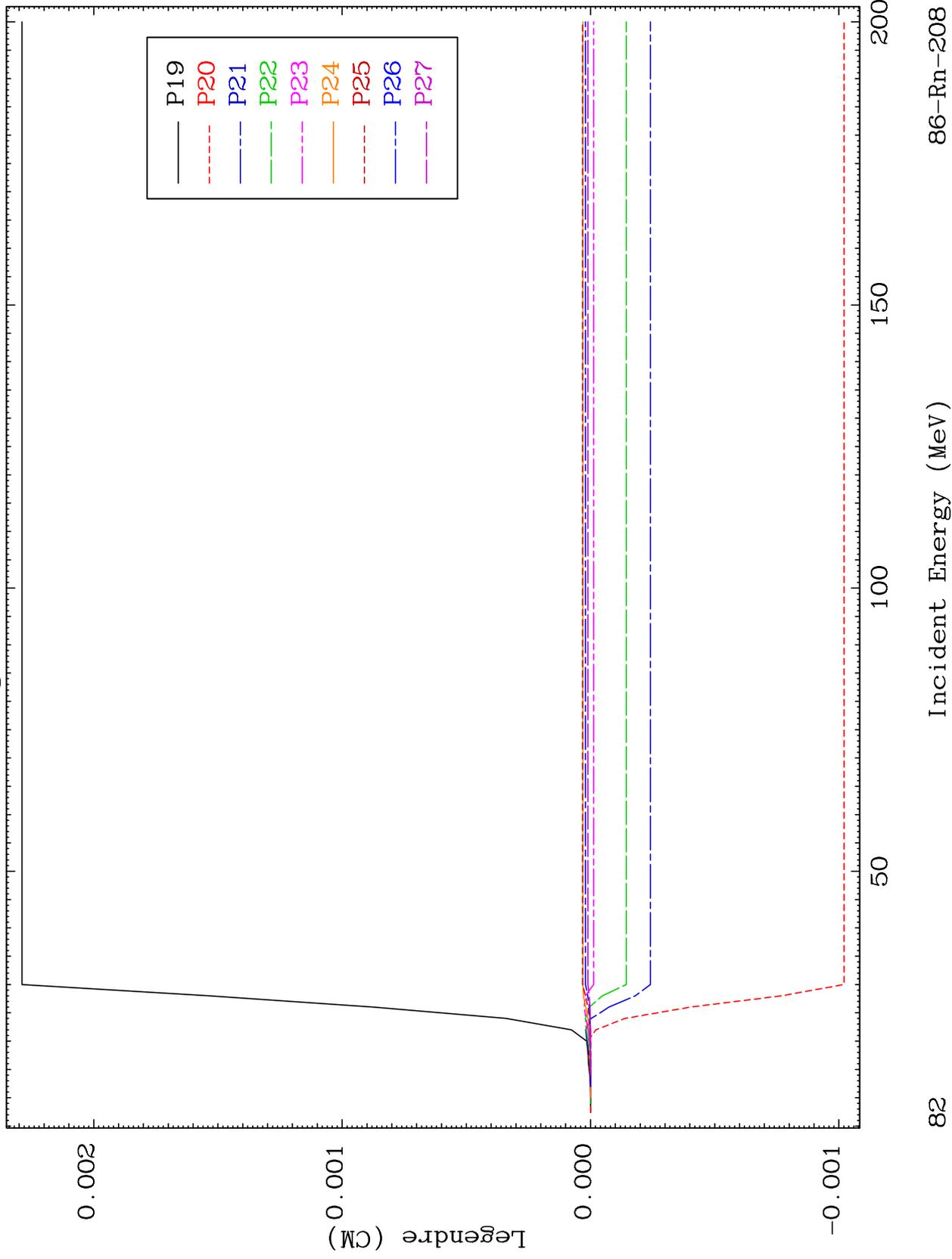
Incident Energy (MeV)

86-Rn-208

MAT 8616

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

86-Rn-208



82

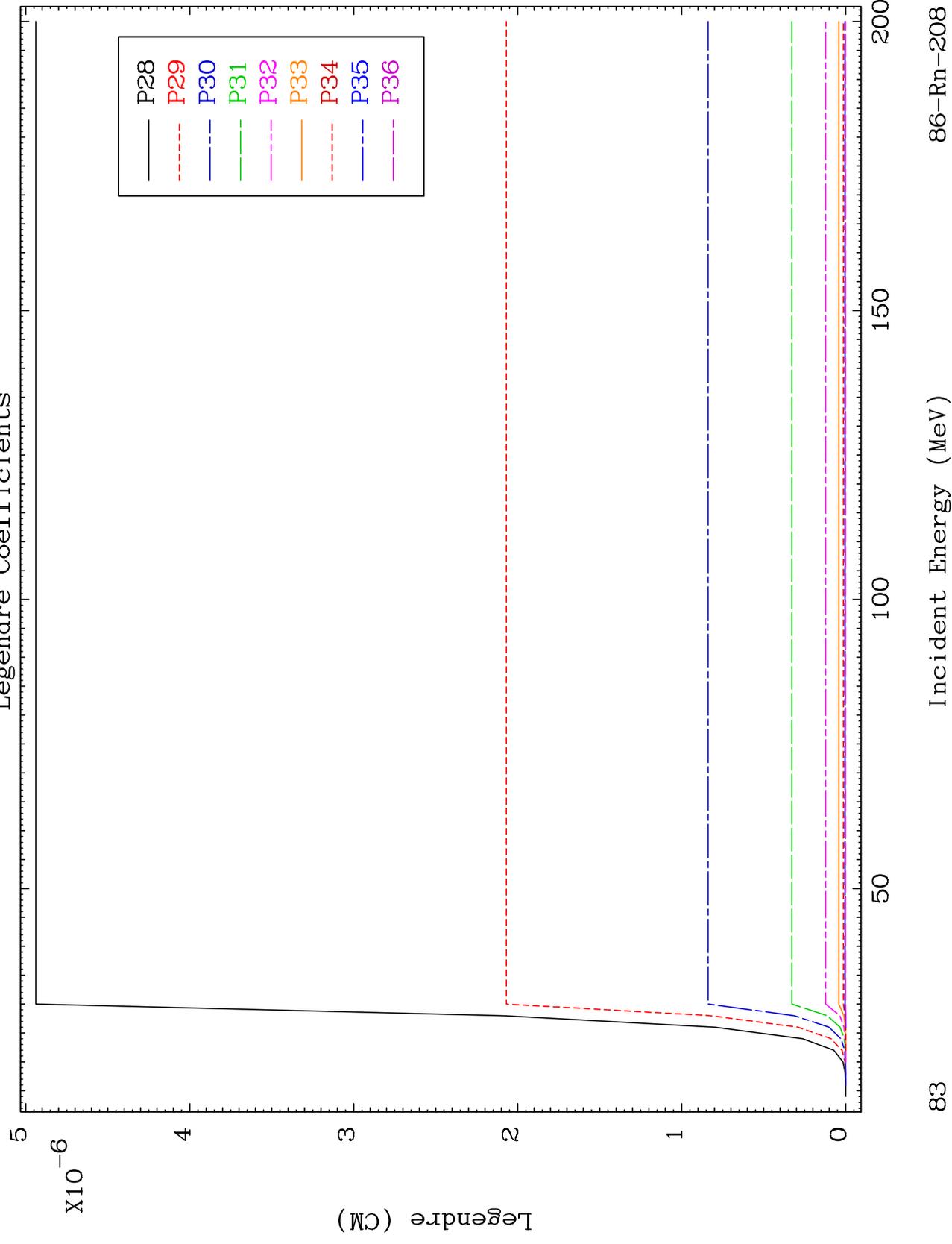
Incident Energy (MeV)

86-Rn-208

MAT 8616

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

86-Rn-208



83

Incident Energy (MeV)

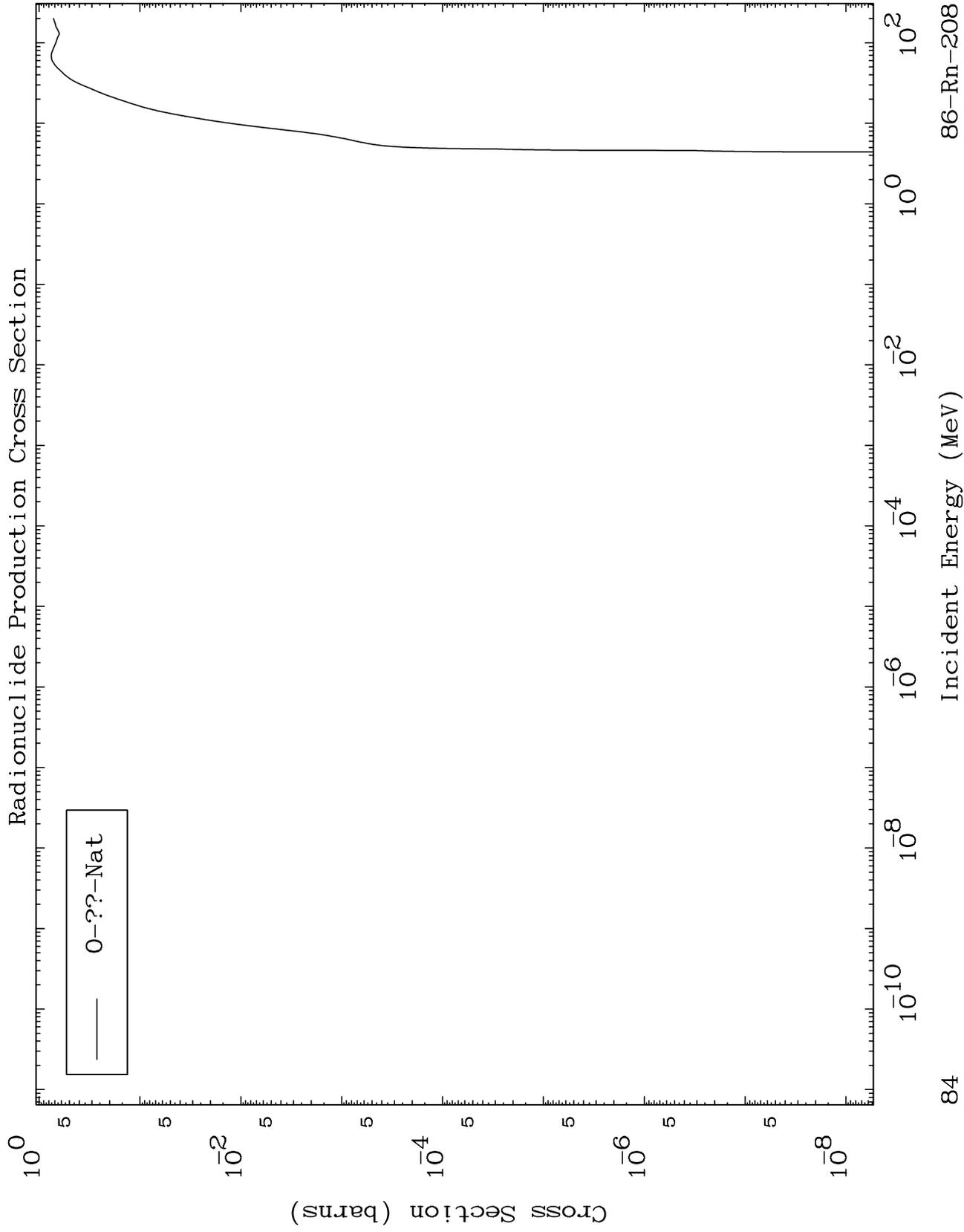
86-Rn-208

MAT 8616

Fission

86-Rn-208

Radionuclide Production Cross Section



84

Incident Energy (MeV)

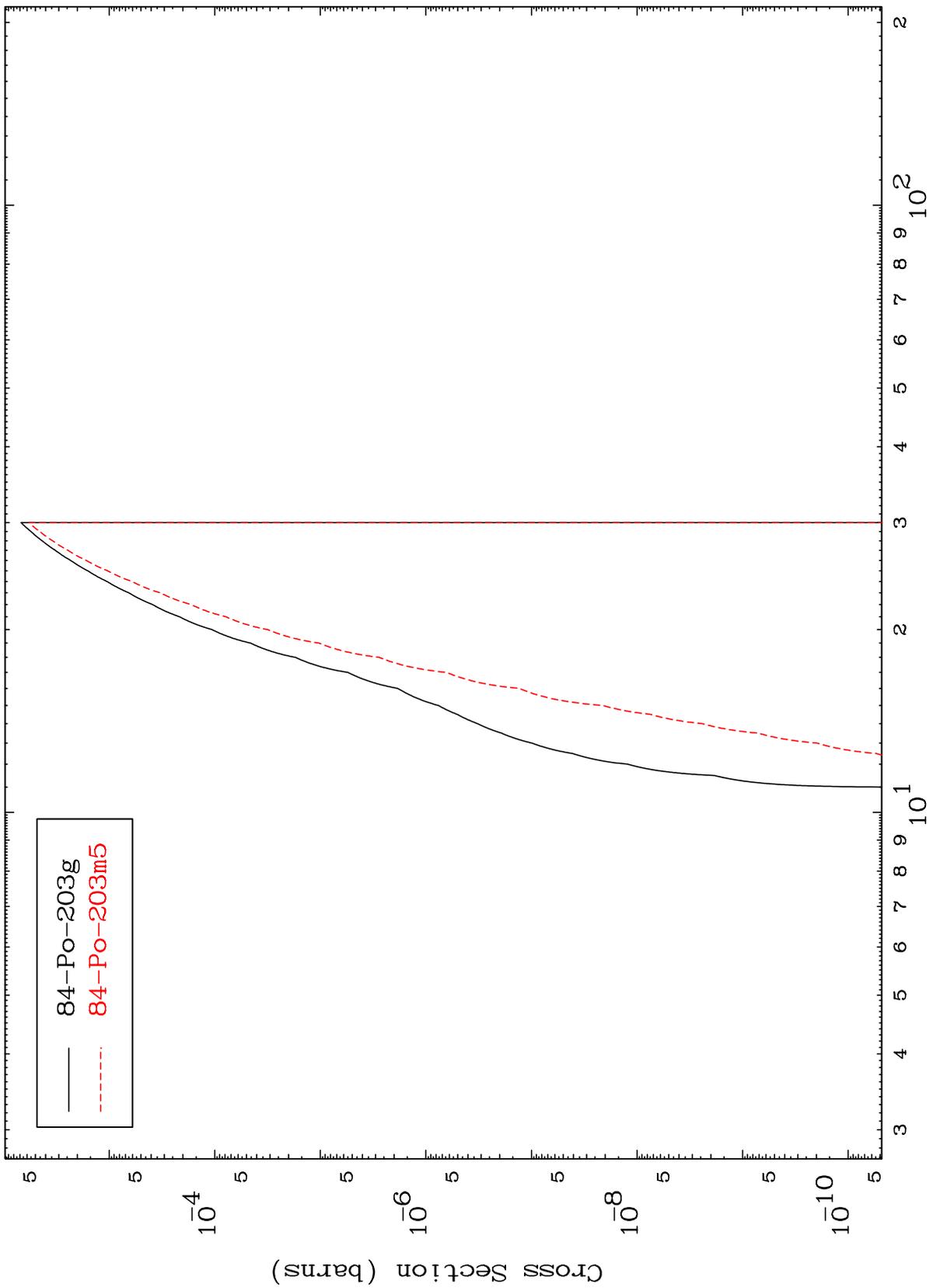
86-Rn-208

MAT 8616

$(n, 2n) \alpha$

86-Rn-208

Radionuclide Production Cross Section



85

Incident Energy (MeV)

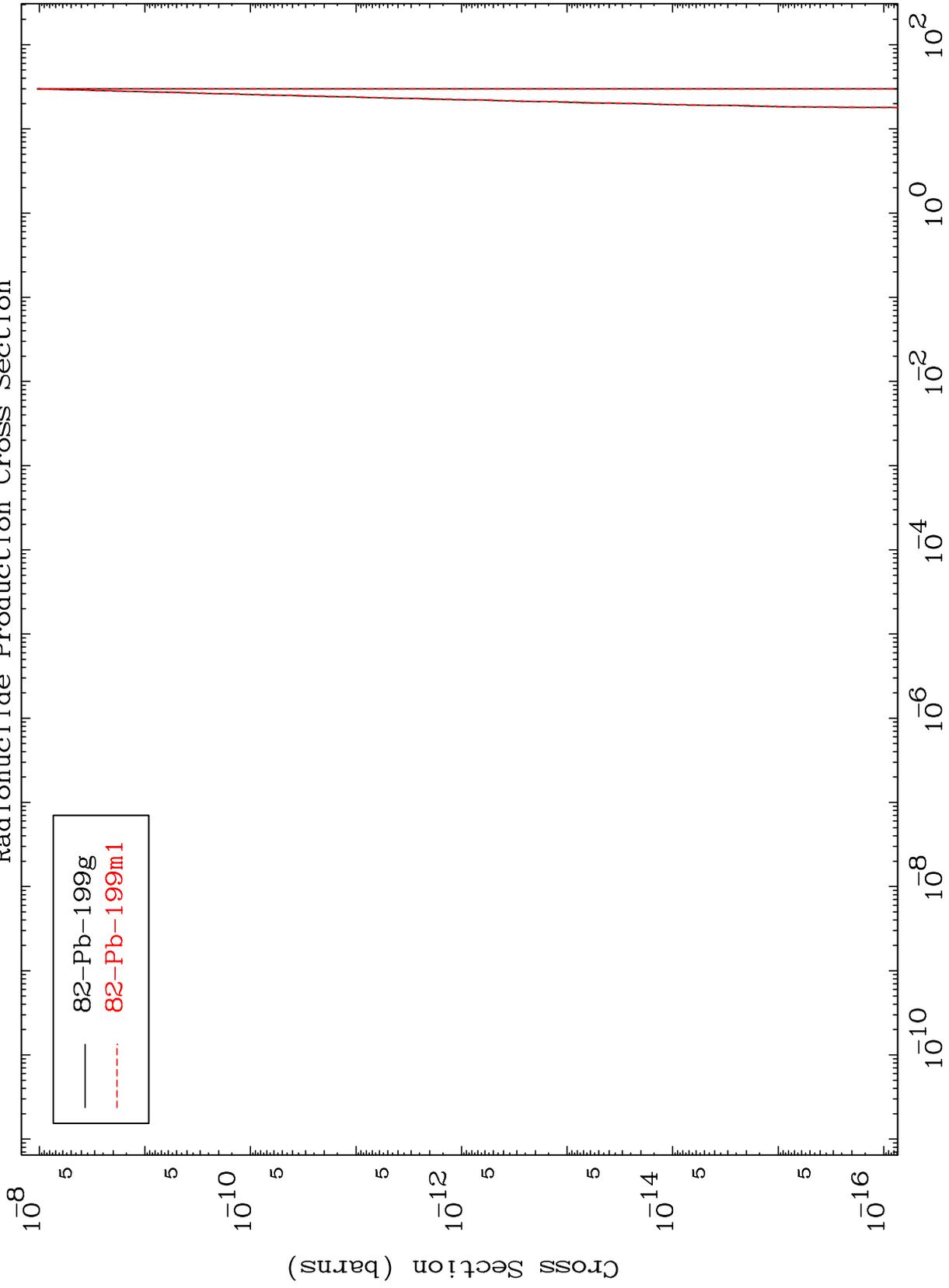
86-Rn-208

MAT 8616

(n,2n) 2 $\alpha$

86-Rn-208

Radionuclide Production Cross Section



86

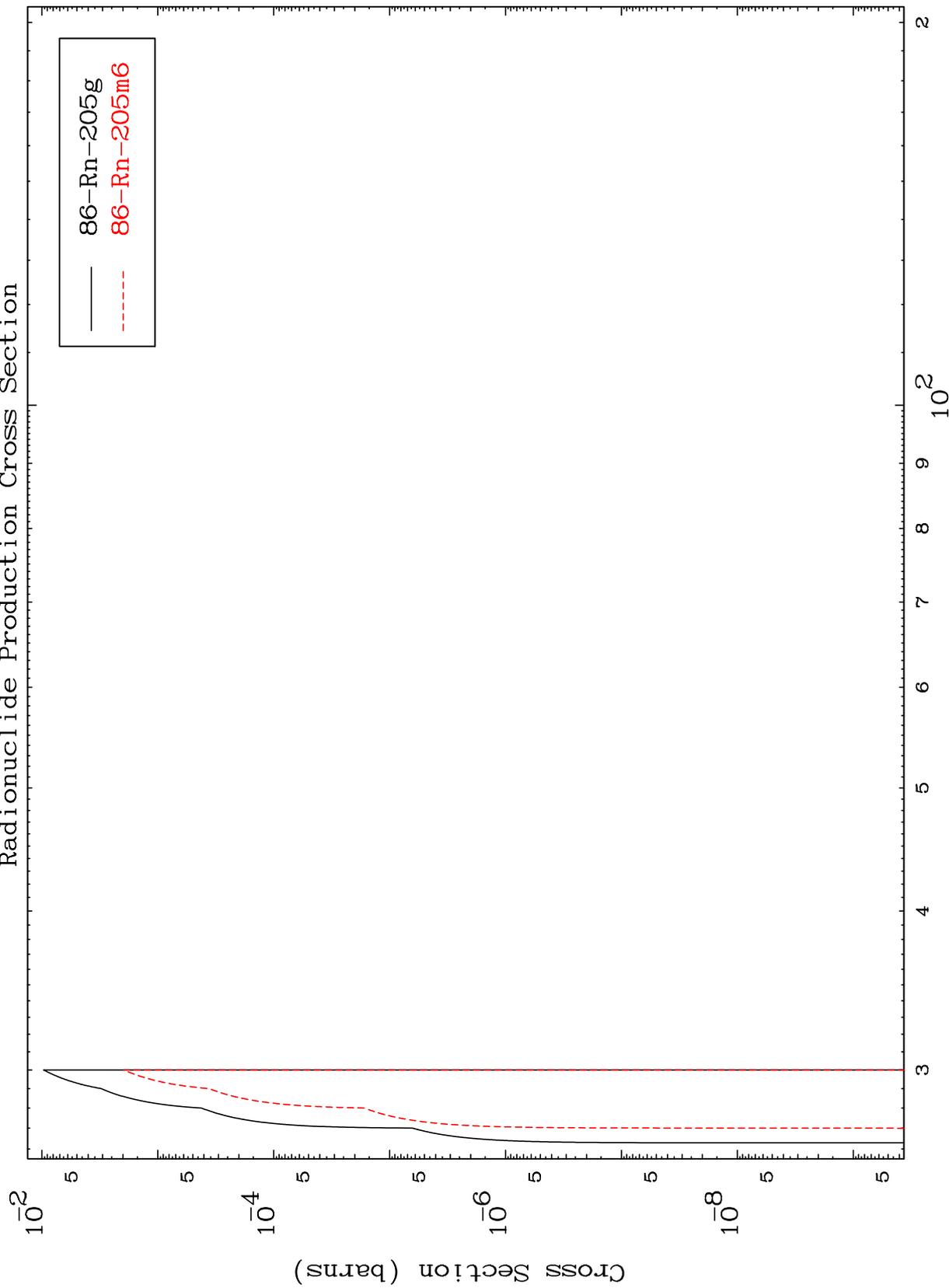
Incident Energy (MeV)

86-Rn-208

MAT 8616

86-Rn-208

(n,4n)  
Radionuclide Production Cross Section



87

86-Rn-208

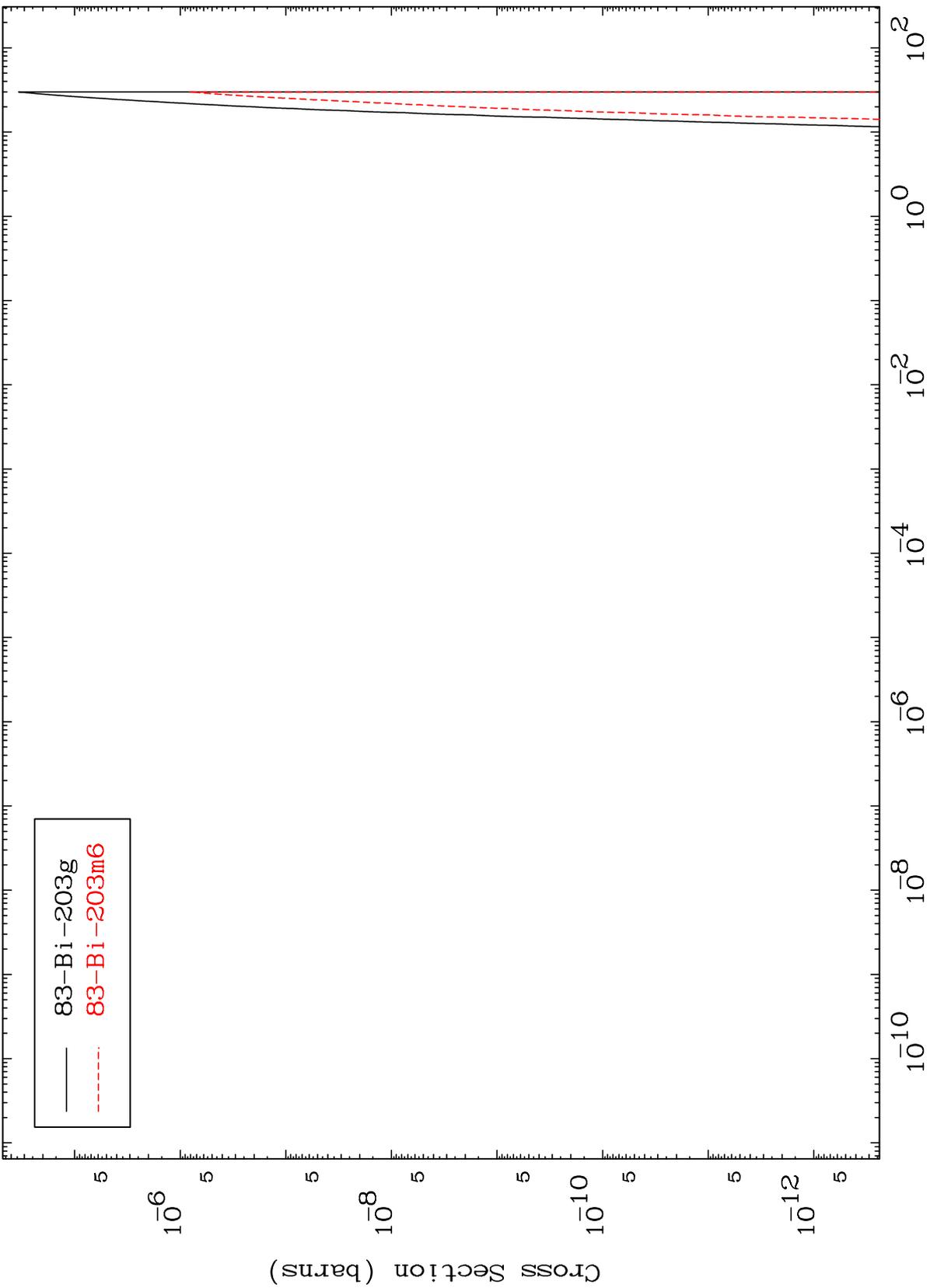
Incident Energy (MeV)

MAT 8616

(n,n') p  $\alpha$

86-Rn-208

Radionuclide Production Cross Section



88

Incident Energy (MeV)

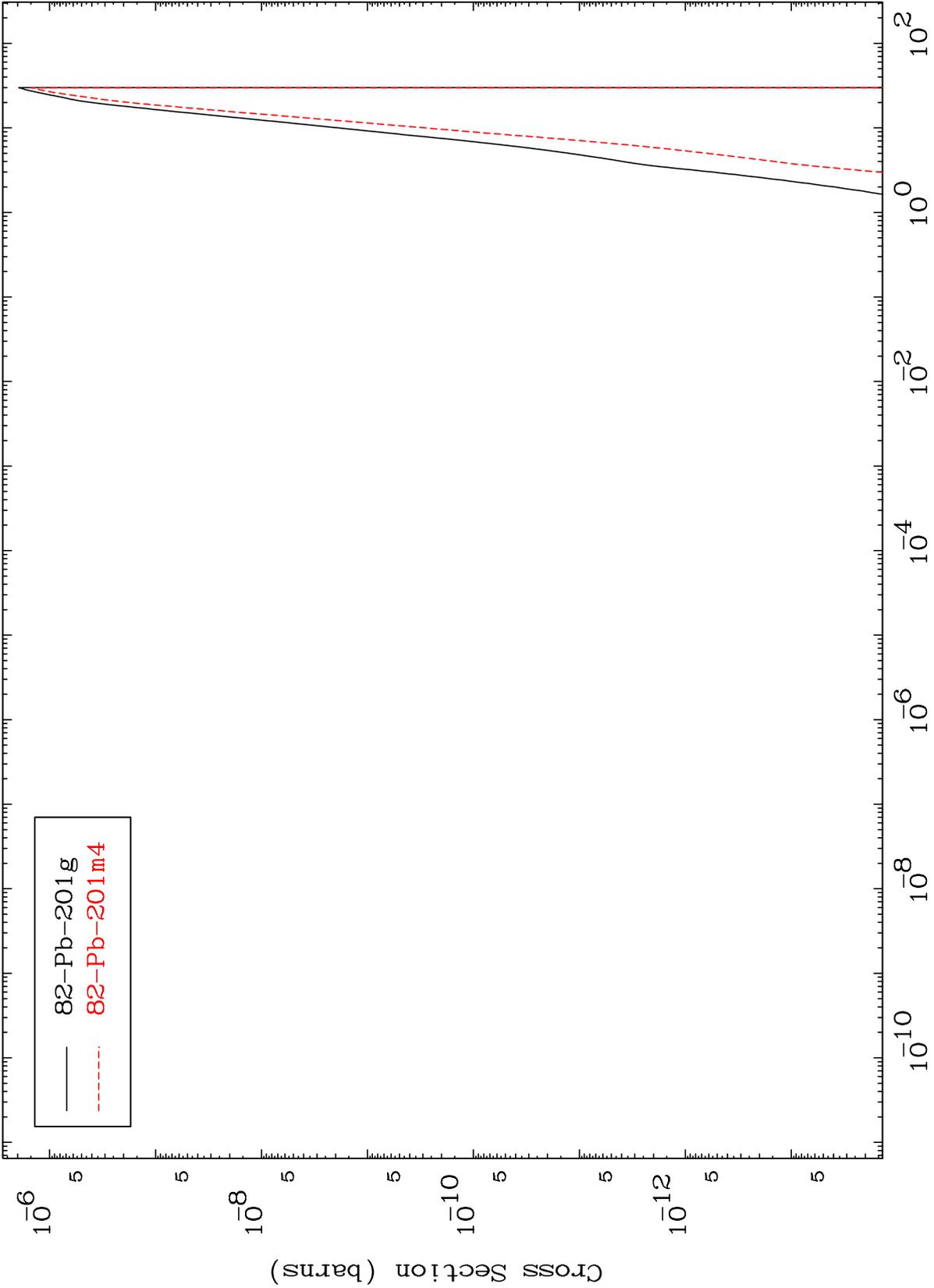
86-Rn-208

MAT 8616

(n,2α)

86-Rn-208

Radionuclide Production Cross Section



89

Incident Energy (MeV)

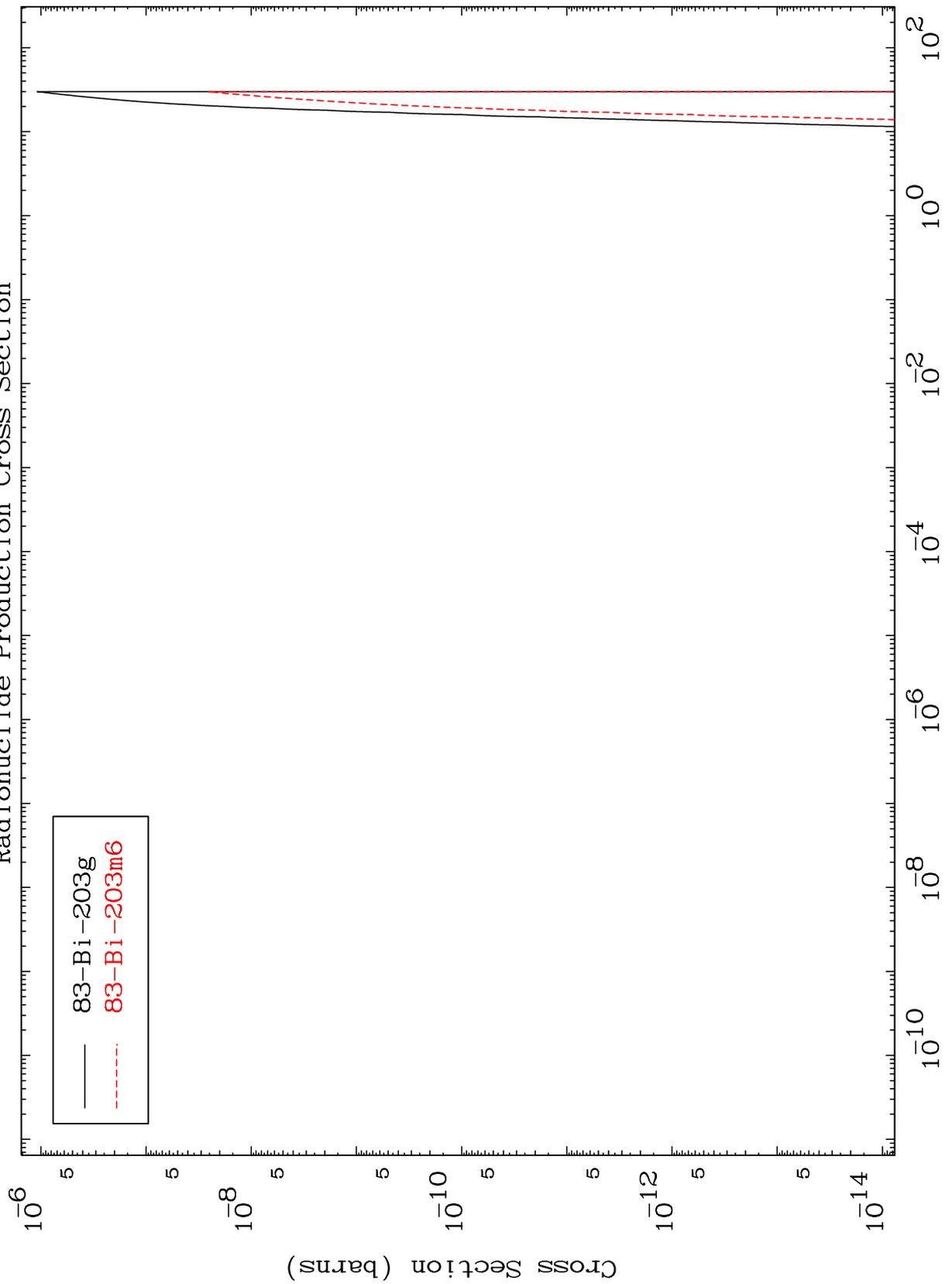
86-Rn-208

MAT 8616

(n,d)  $\alpha$

86-Rn-208

Radionuclide Production Cross Section



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