

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

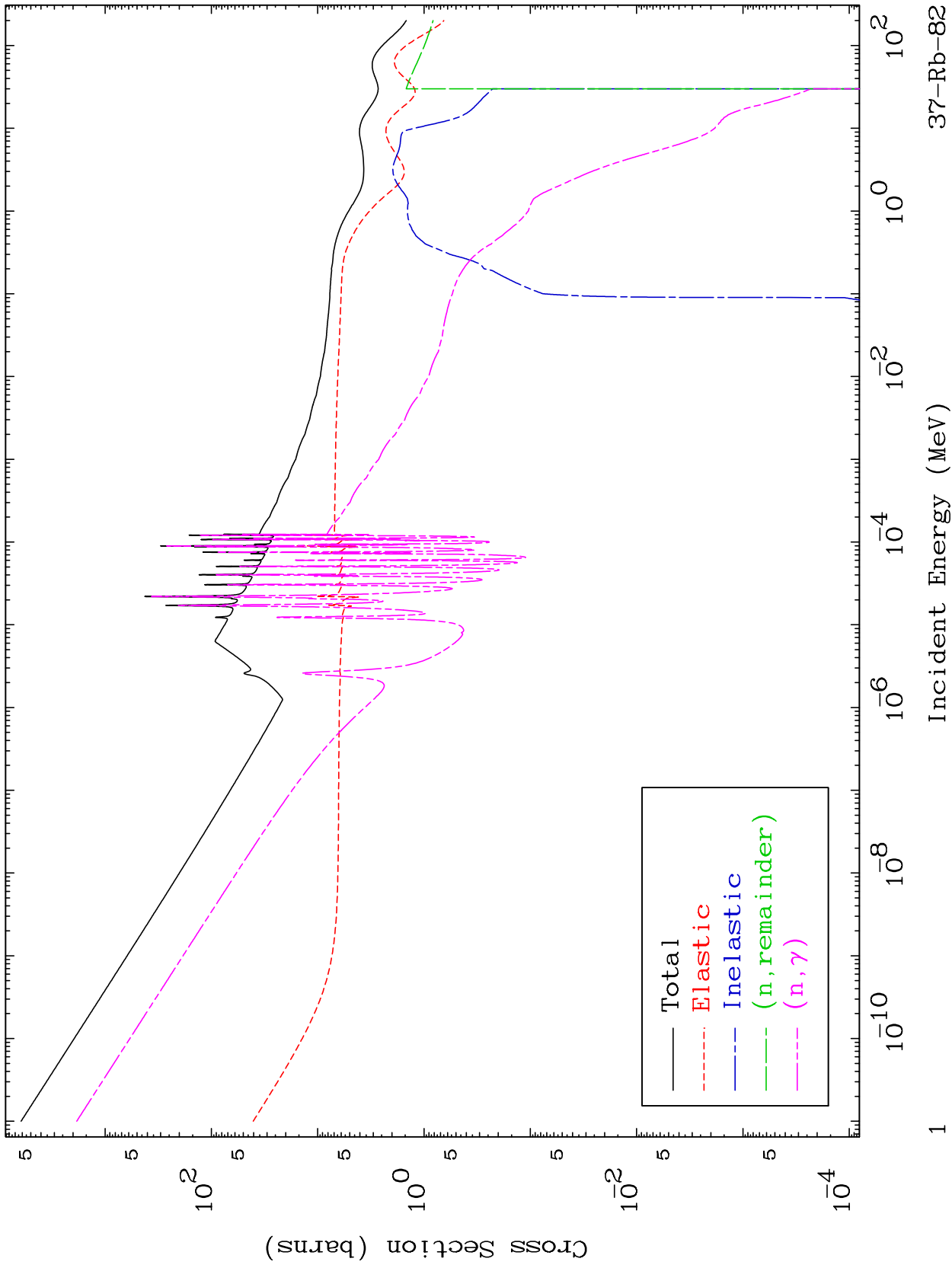
Press Mouse Button to Start

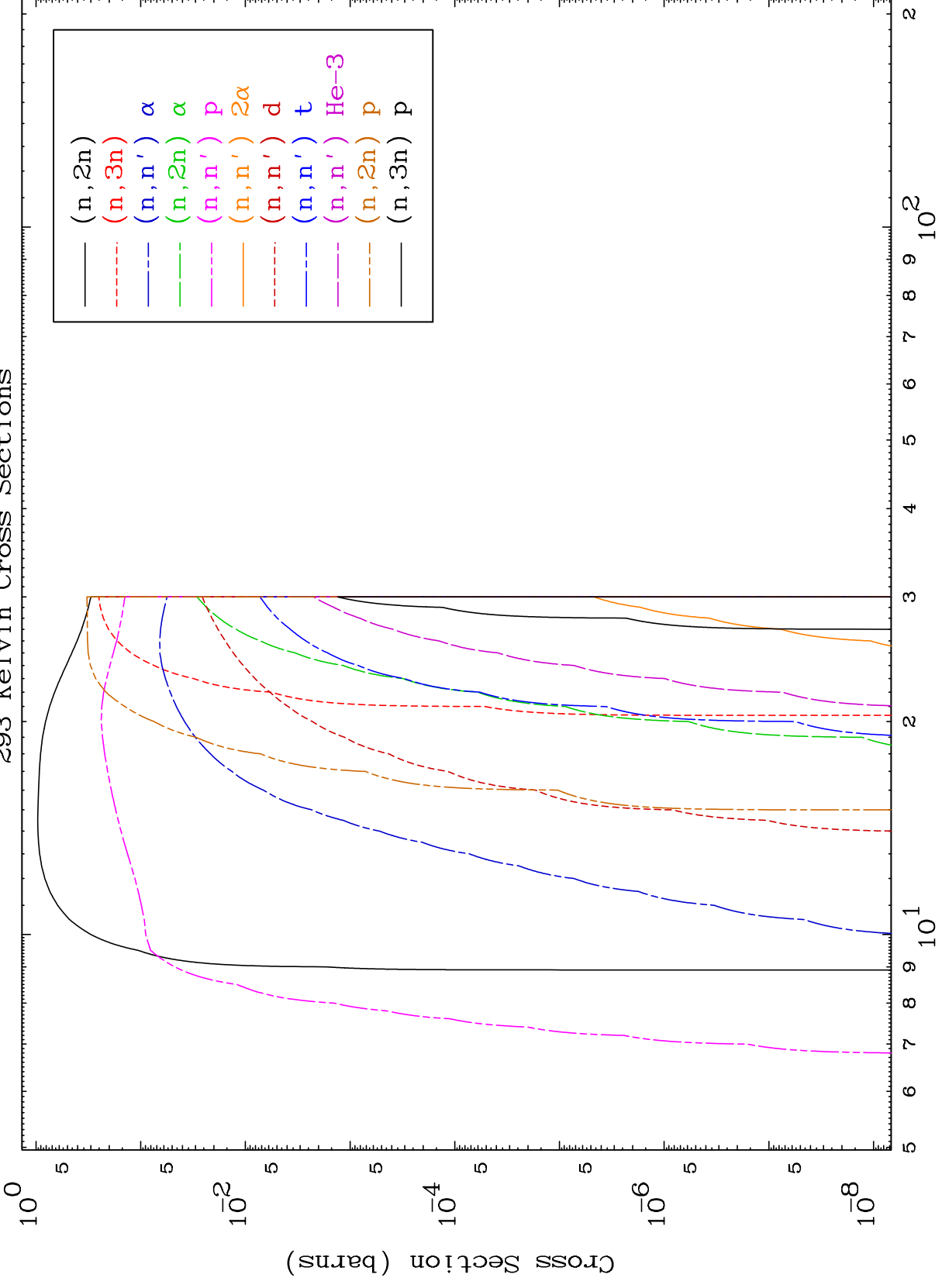
MAT 3716

Major

293 Kelvin Cross Sections

37-Rb-82

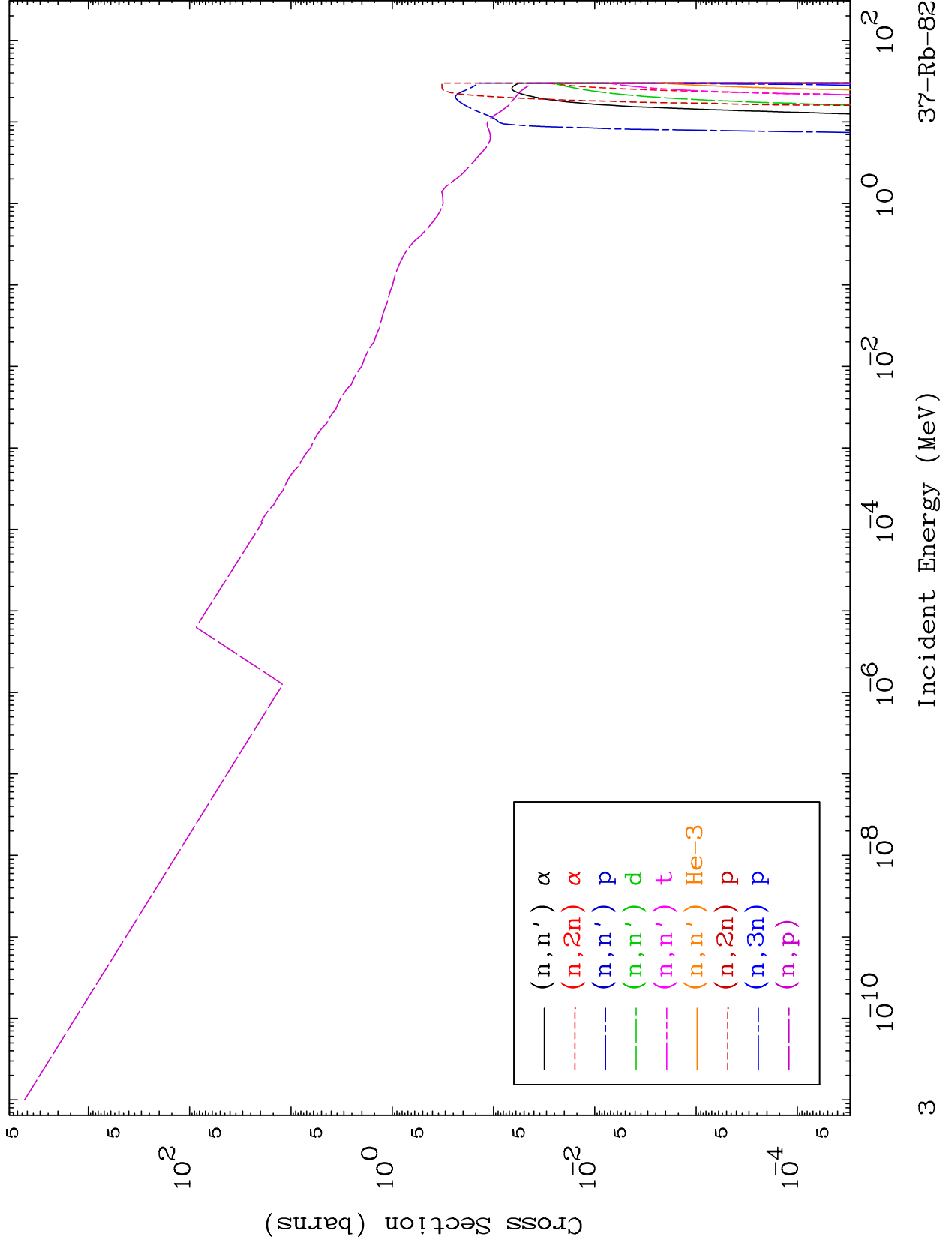




MAT 3716

Charged Particle
293 Kelvin Cross Sections

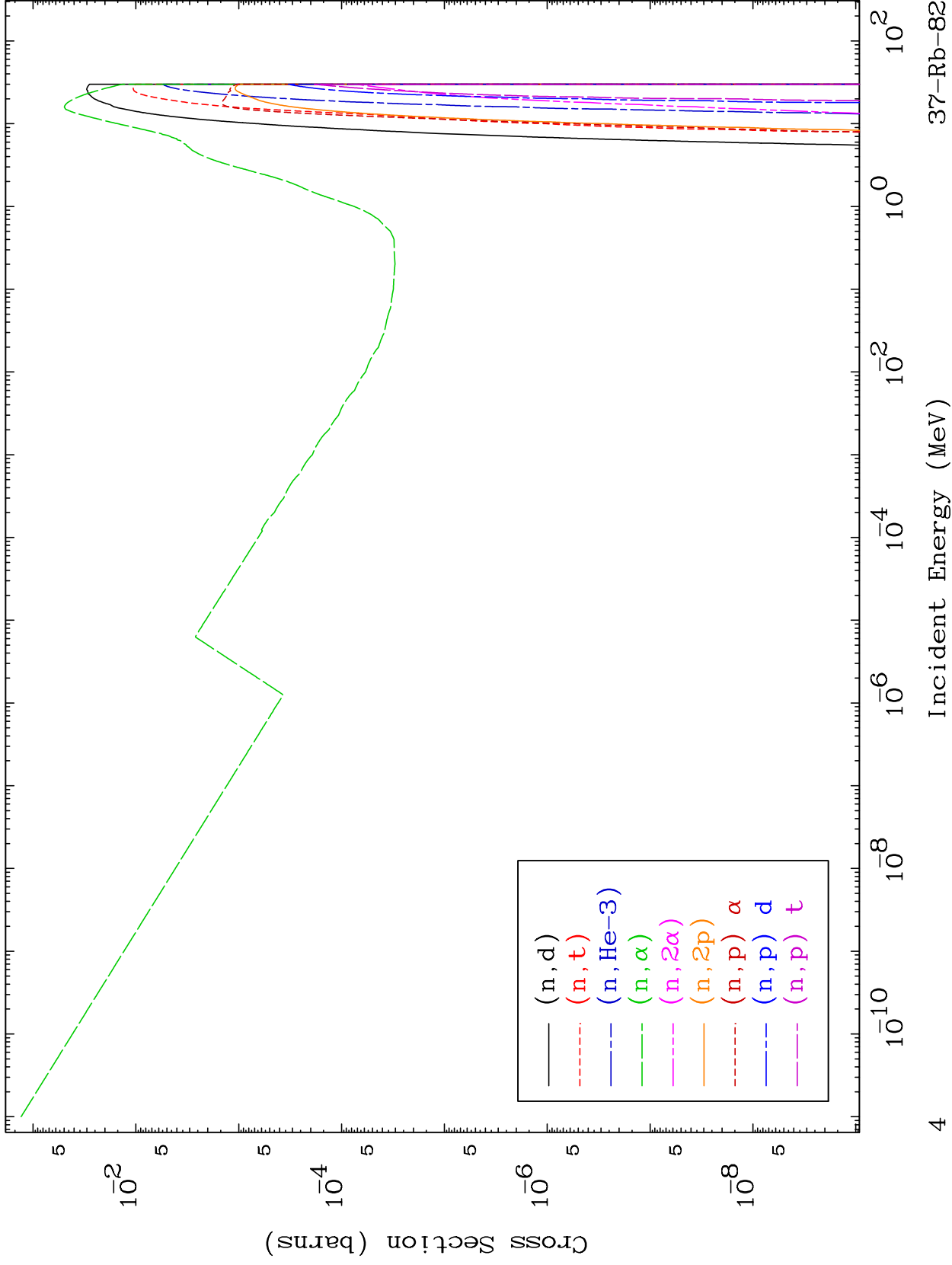
37-Rb-82



MAT 3716

Charged Particle
293 Kelvin Cross Sections

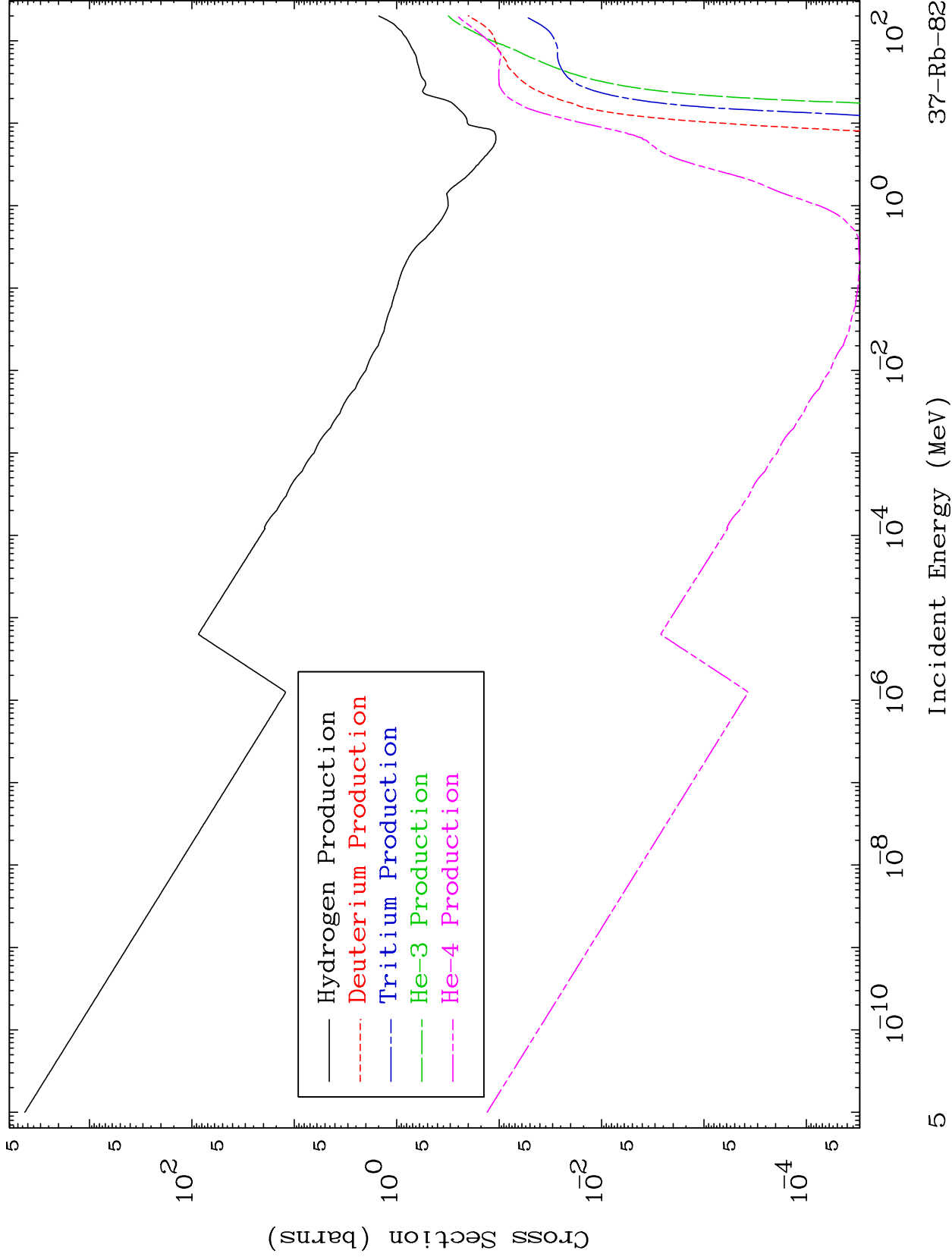
37-Rb-82



MAT 3716

Particle Production
293 Kelvin Cross Sections

37-Rb-82



5

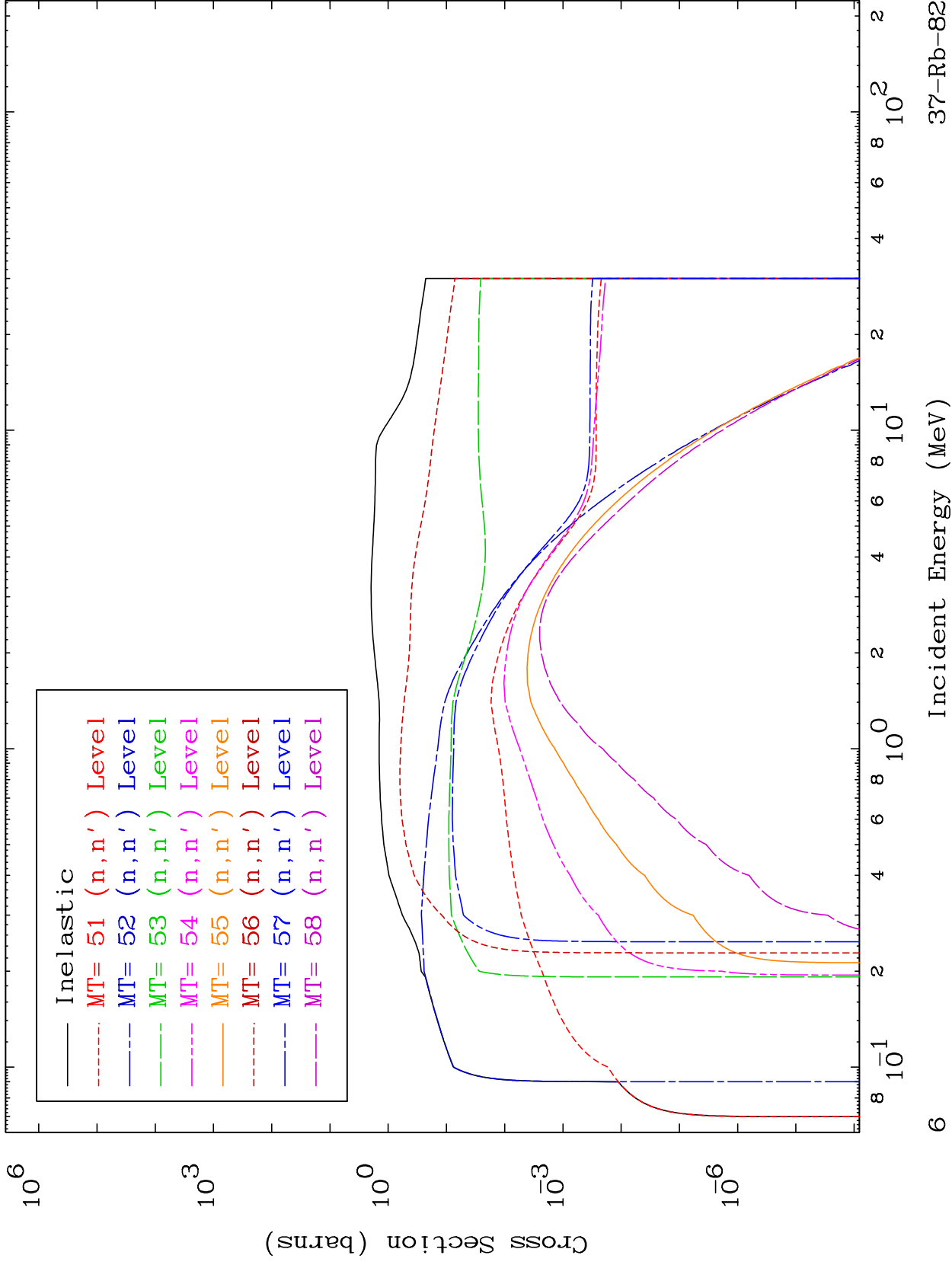
Incident Energy (MeV)

37-Rb-82

MAT 3716

(n,n') Level
293 Kelvin Cross Sections

37-Rb-82

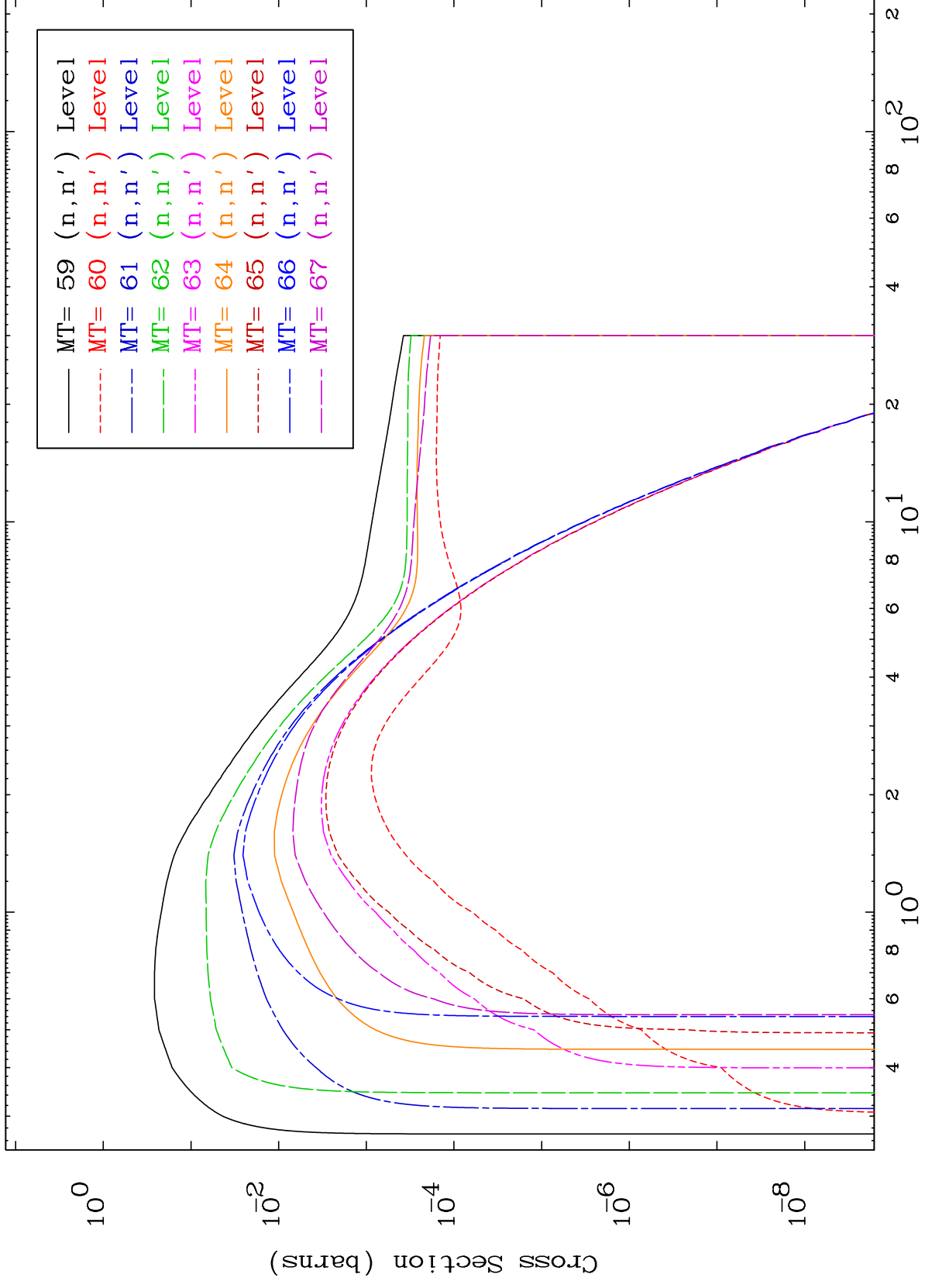


MAT 3716

(n,n') Level

37-Rb-82

293 Kelvin Cross Sections



7

Incident Energy (MeV)

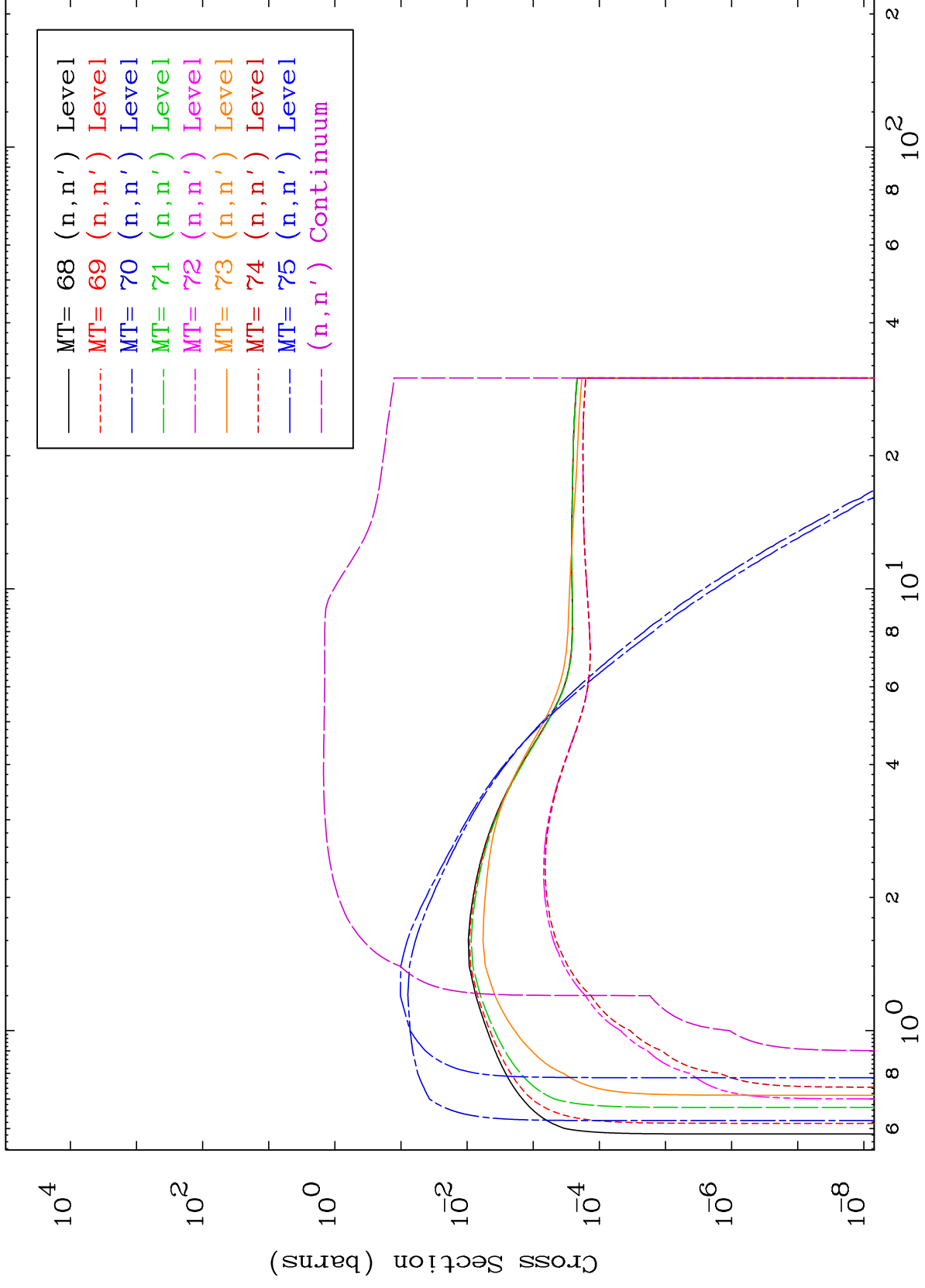
37-Rb-82

MAT 3716

(n,n') Level

37-Rb-82

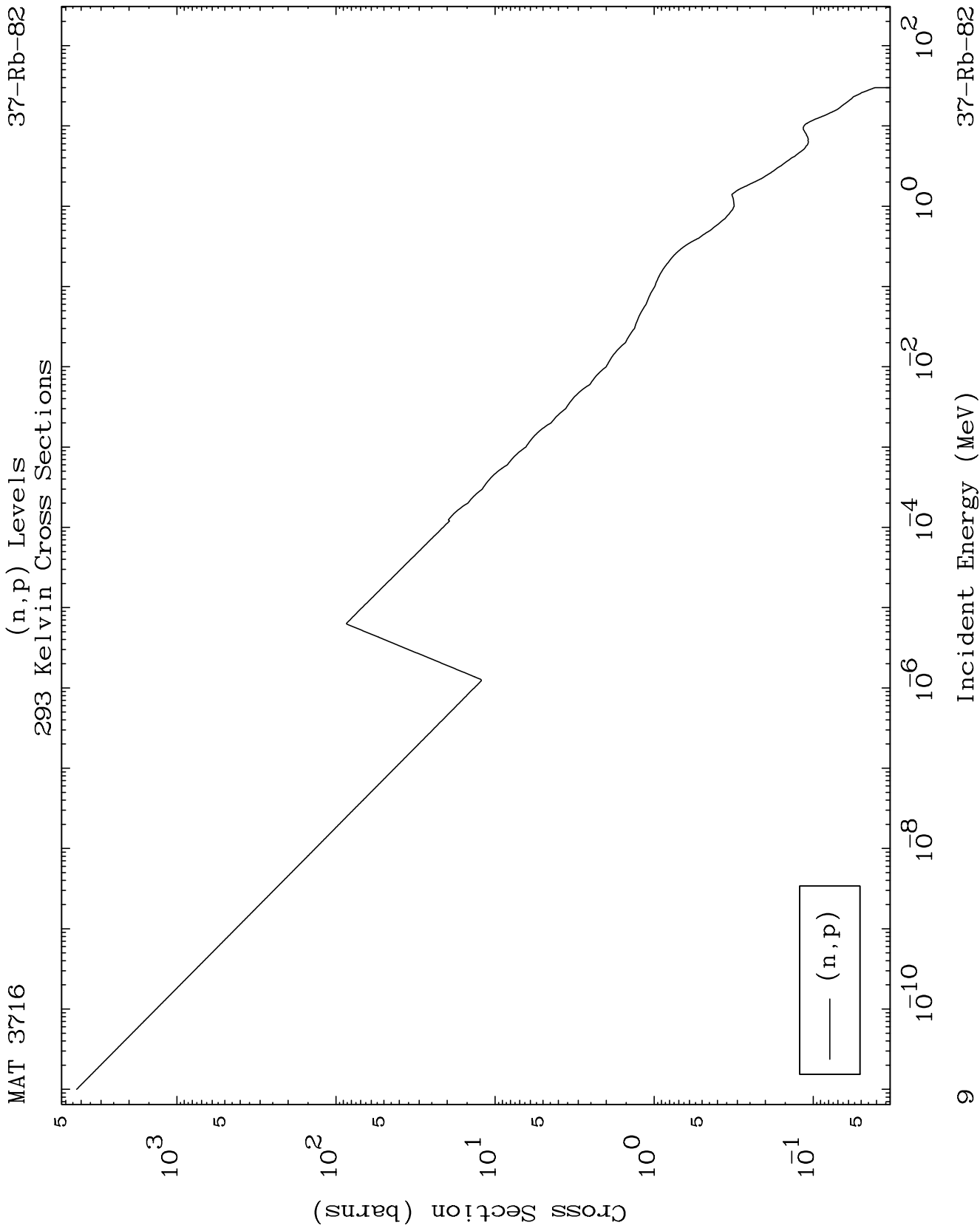
293 Kelvin Cross Sections



8

Incident Energy (MeV)

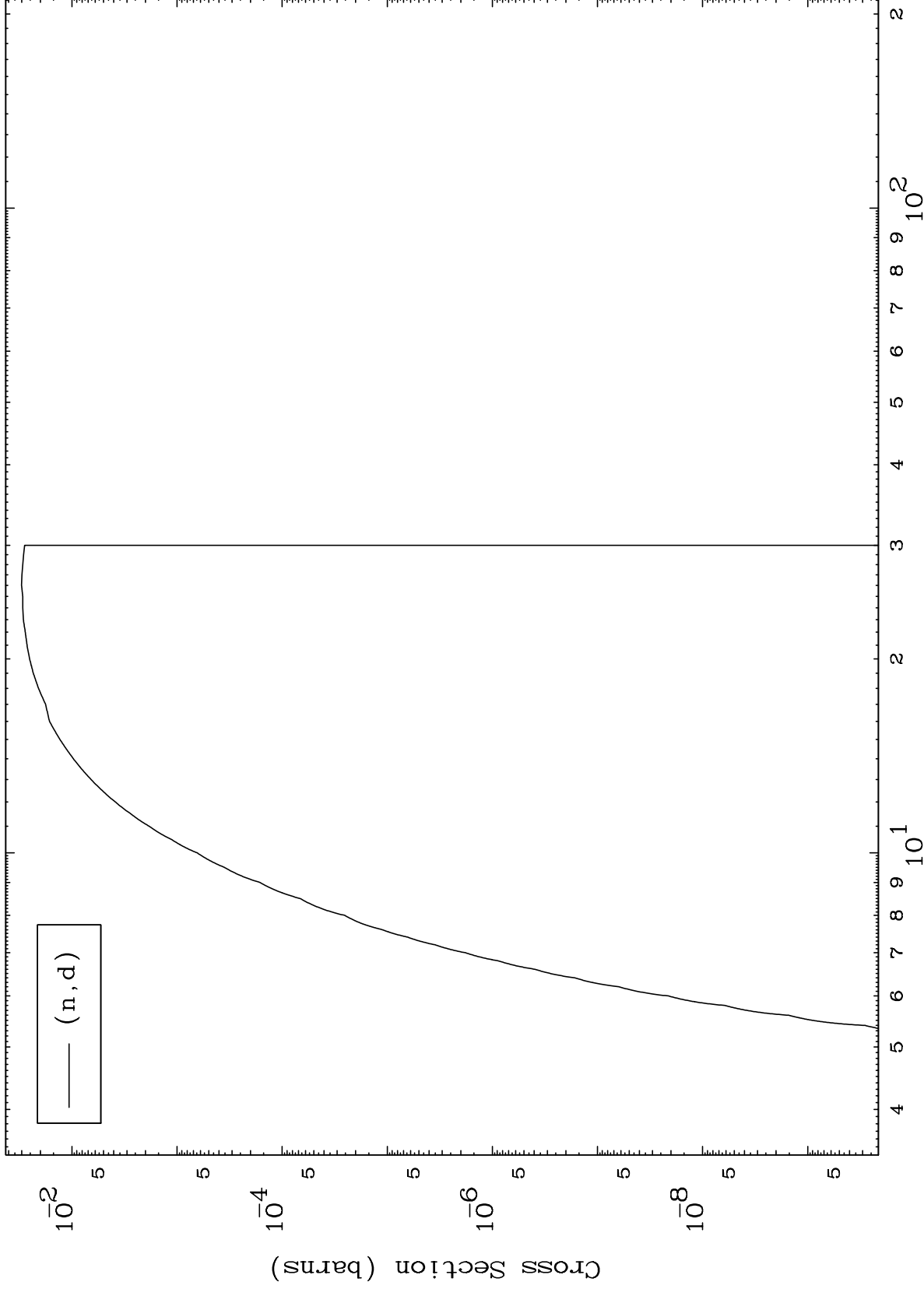
37-Rb-82



MAT 3716

(n,d) Levels
293 Kelvin Cross Sections

37-Rb-82



10

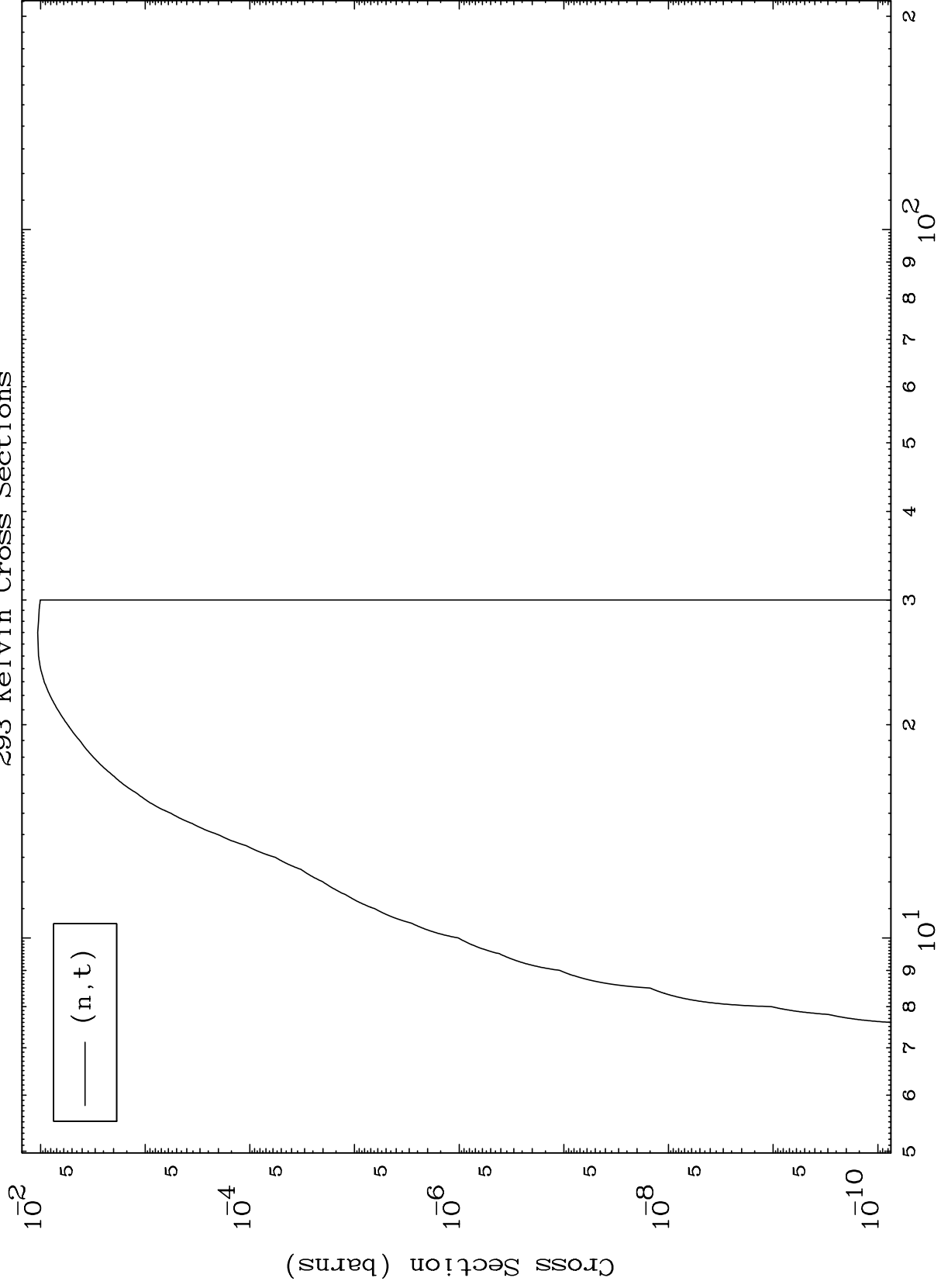
Incident Energy (MeV)

37-Rb-82

MAT 3716

(n,t) Levels
293 Kelvin Cross Sections

37-Rb-82



11

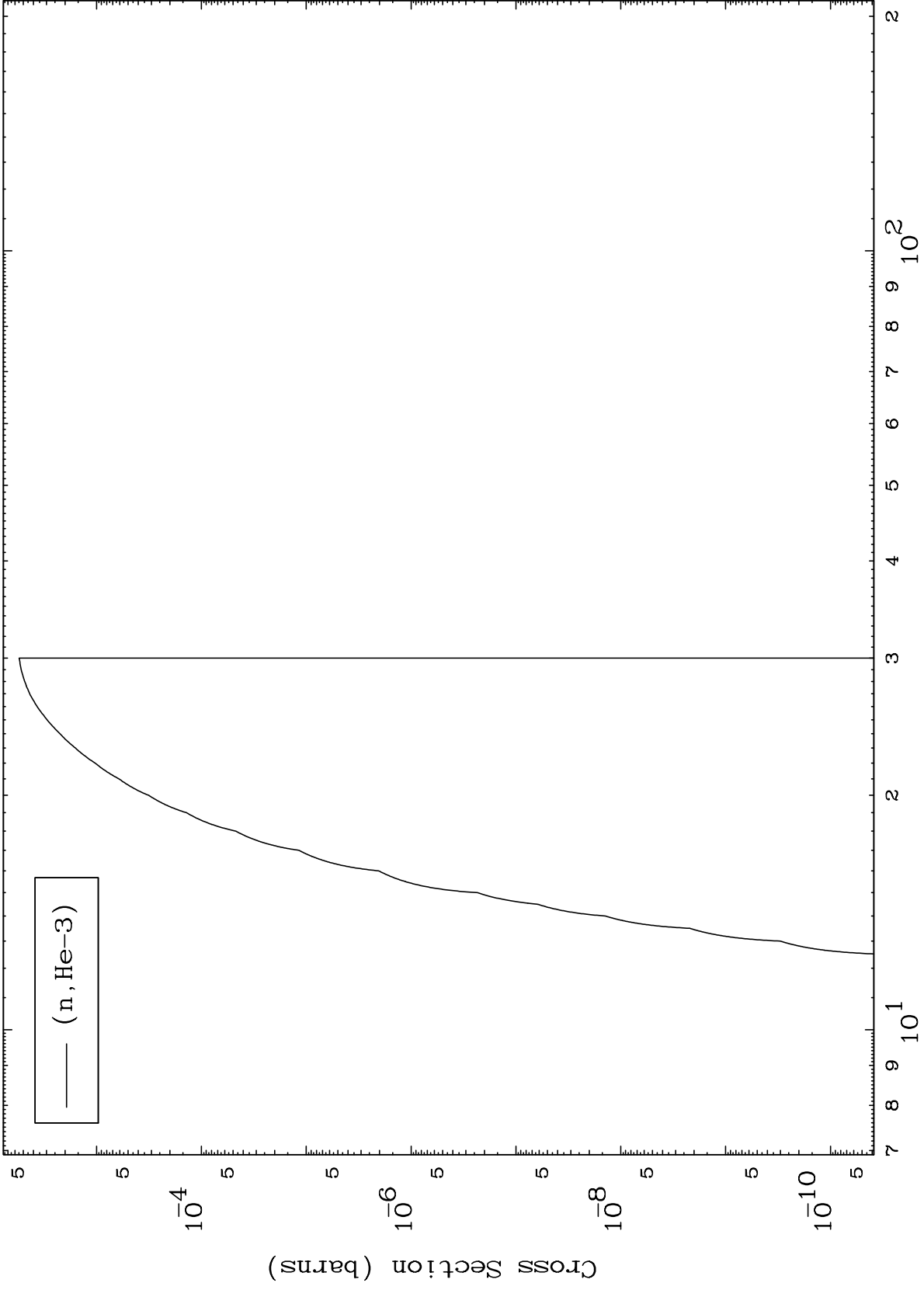
Incident Energy (MeV)

37-Rb-82

MAT 3716

(n,He3) Levels
293 Kelvin Cross Sections

37-Rb-82



12

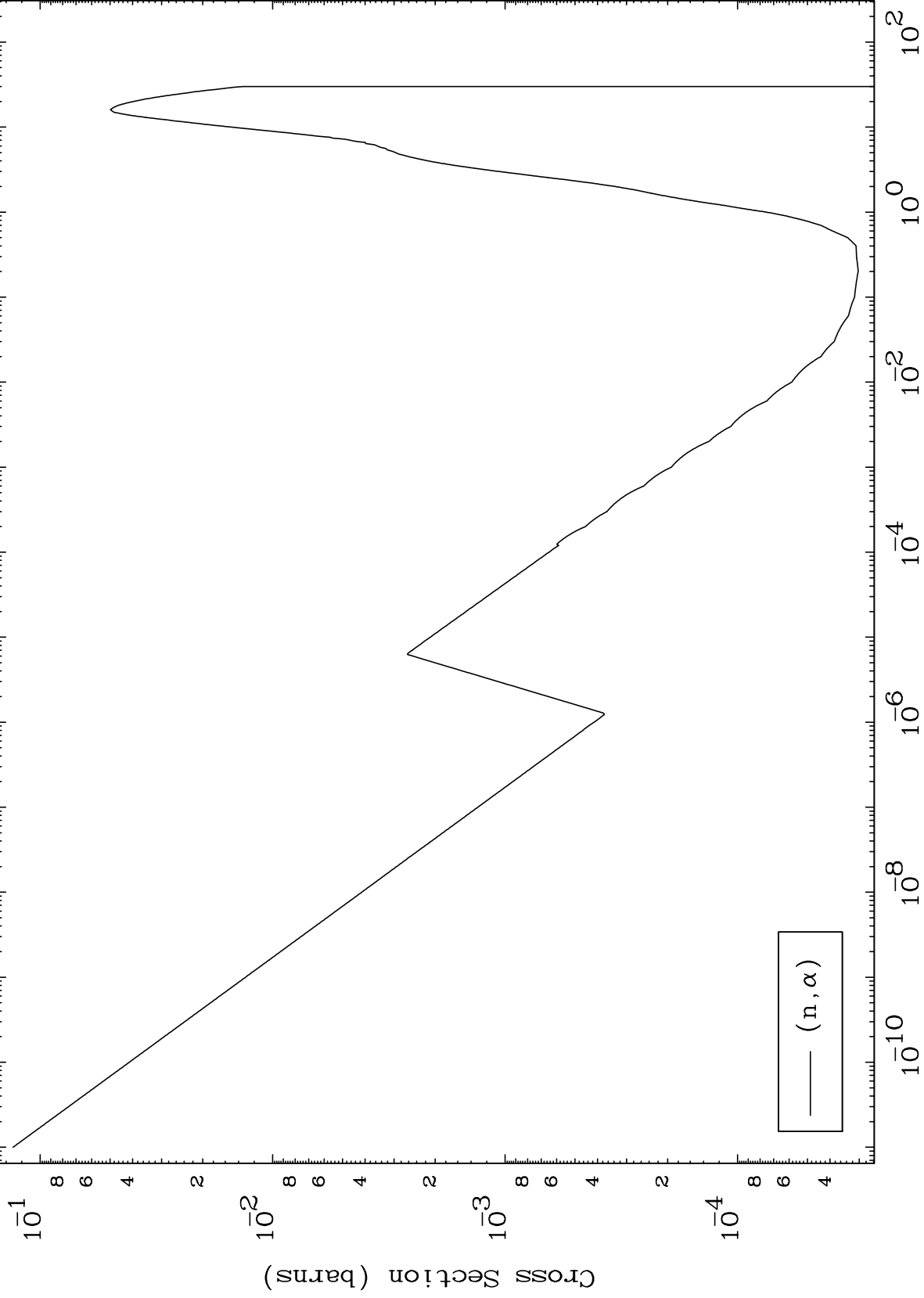
Incident Energy (MeV)

37-Rb-82

MAT 3716

(n, α) Levels
293 Kelvin Cross Sections

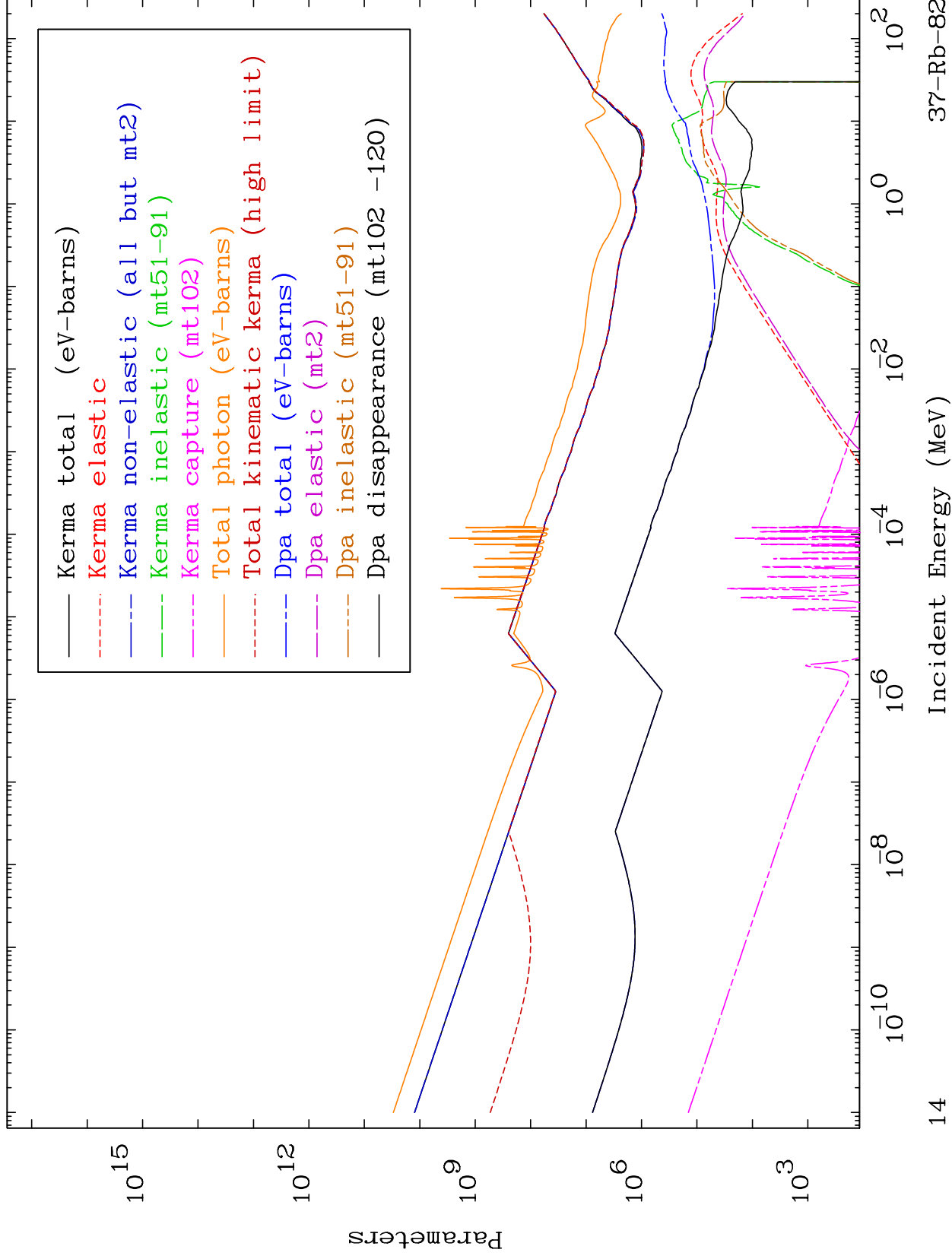
37-Rb-82



13

Incident Energy (MeV)

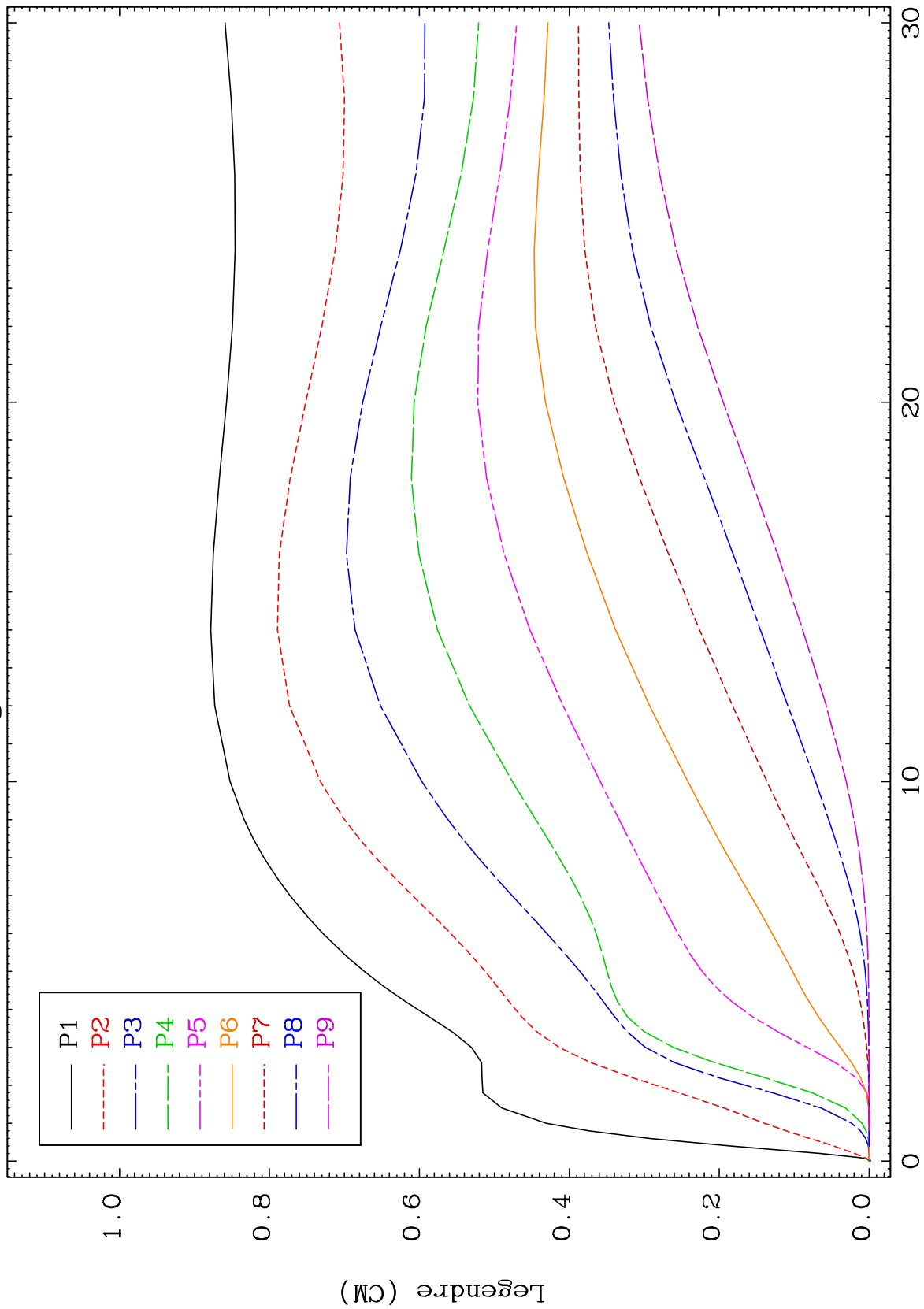
37-Rb-82



MAT 3716

Elastic Legendre Coefficients

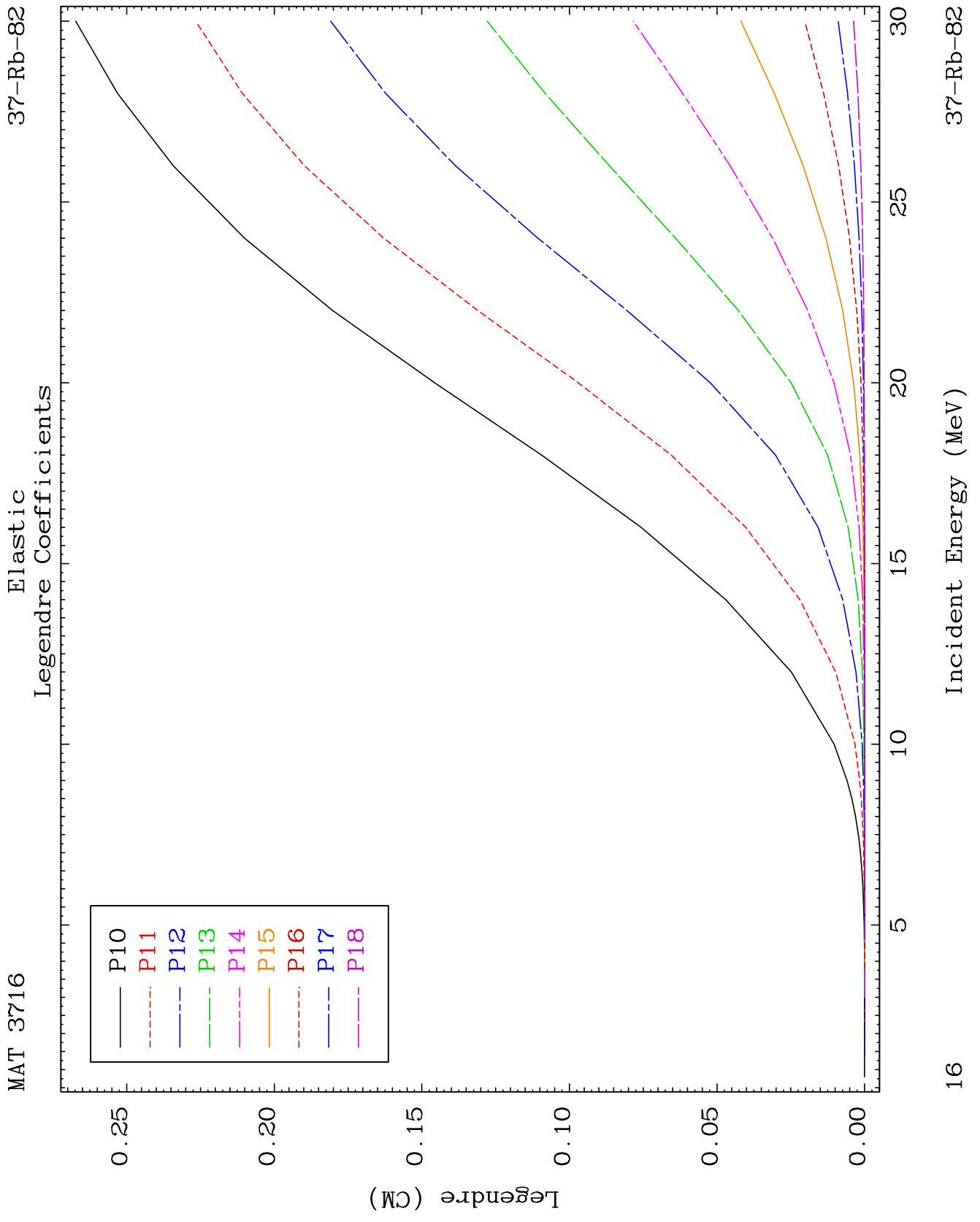
37-Rb-82



15

Incident Energy (MeV)

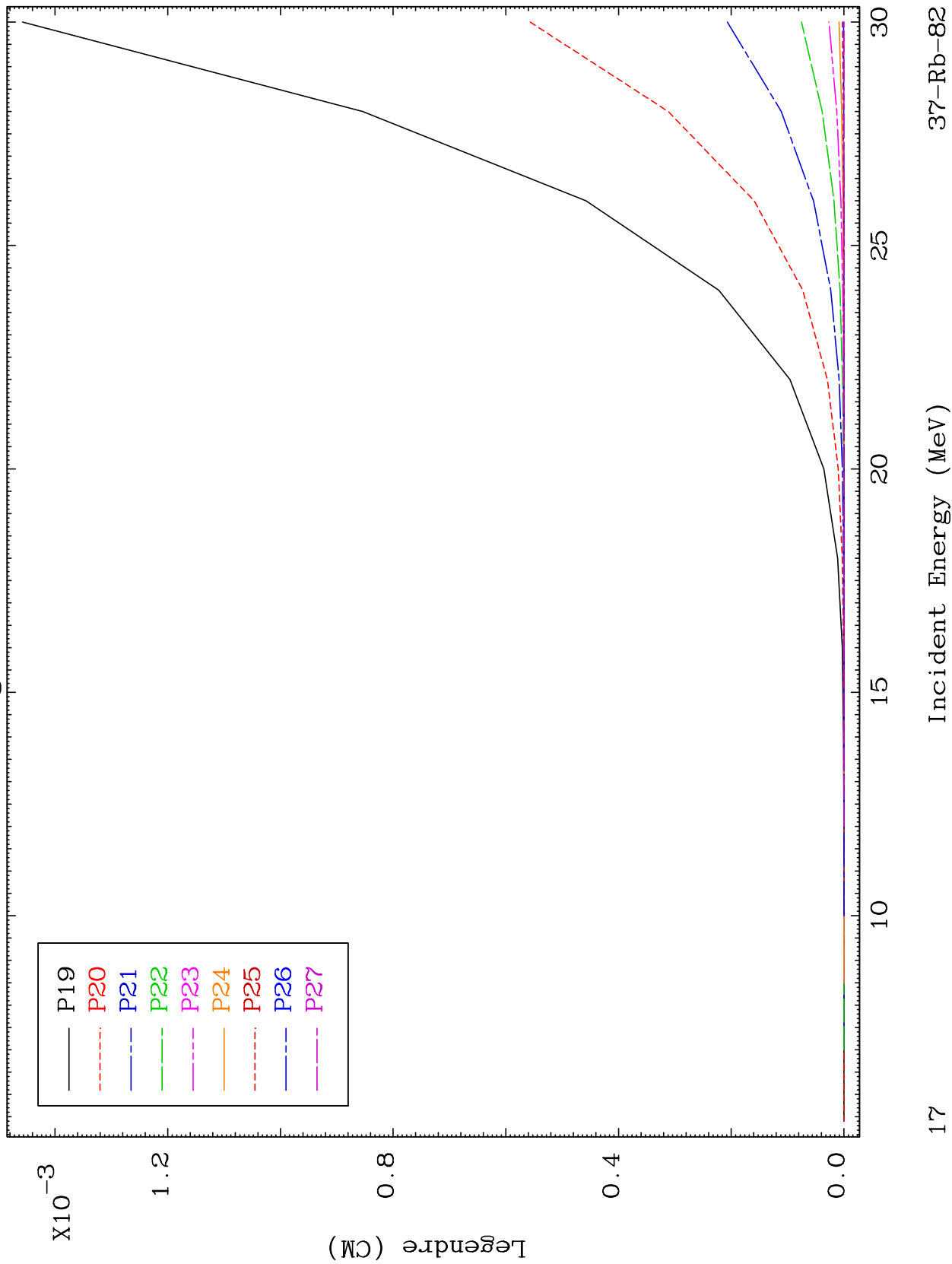
37-Rb-82



MAT 3716

Elastic Legendre Coefficients

37-Rb-82



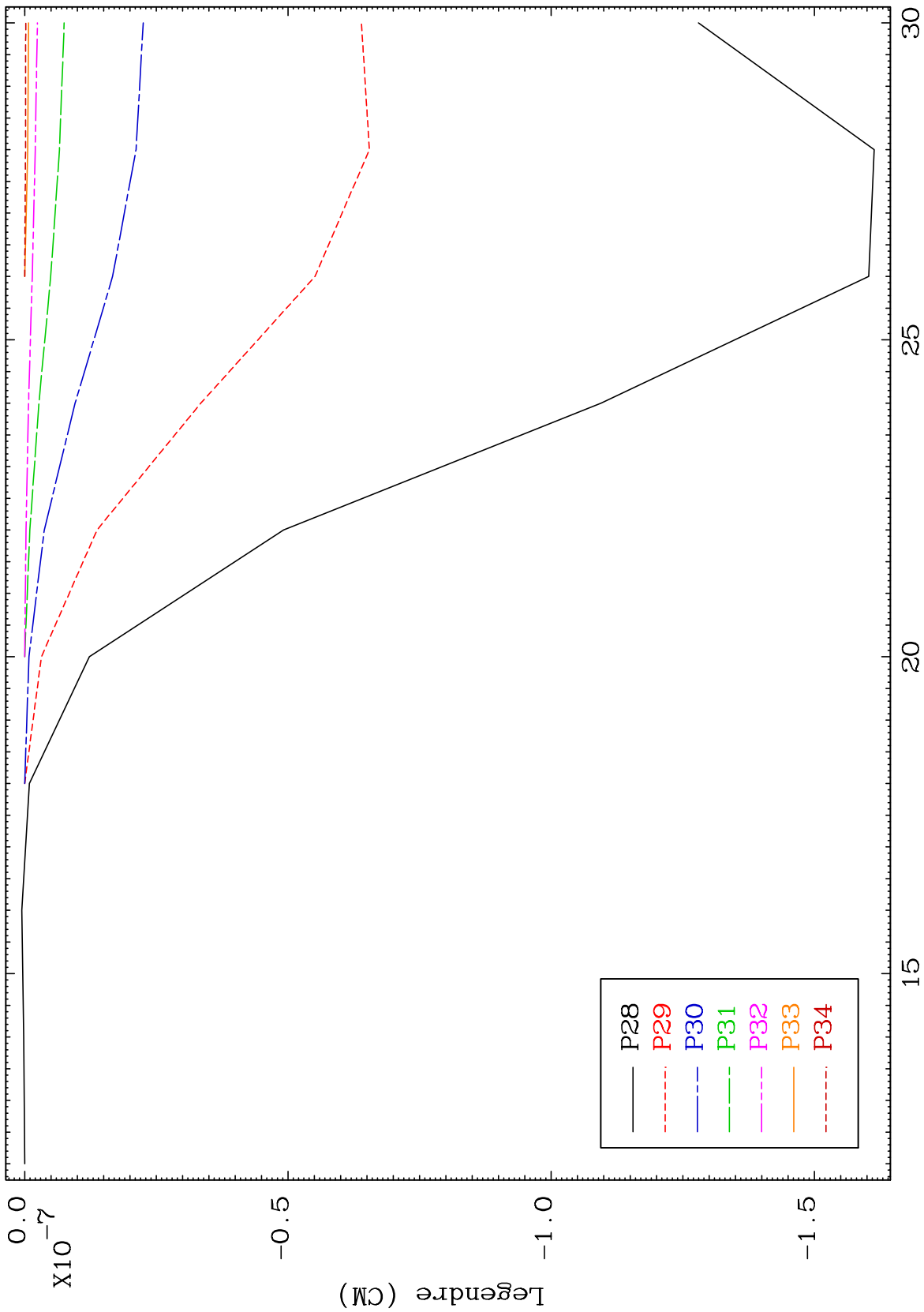
17

37-Rb-82

MAT 3716

37-Rb-82

Elastic Legendre Coefficients



18

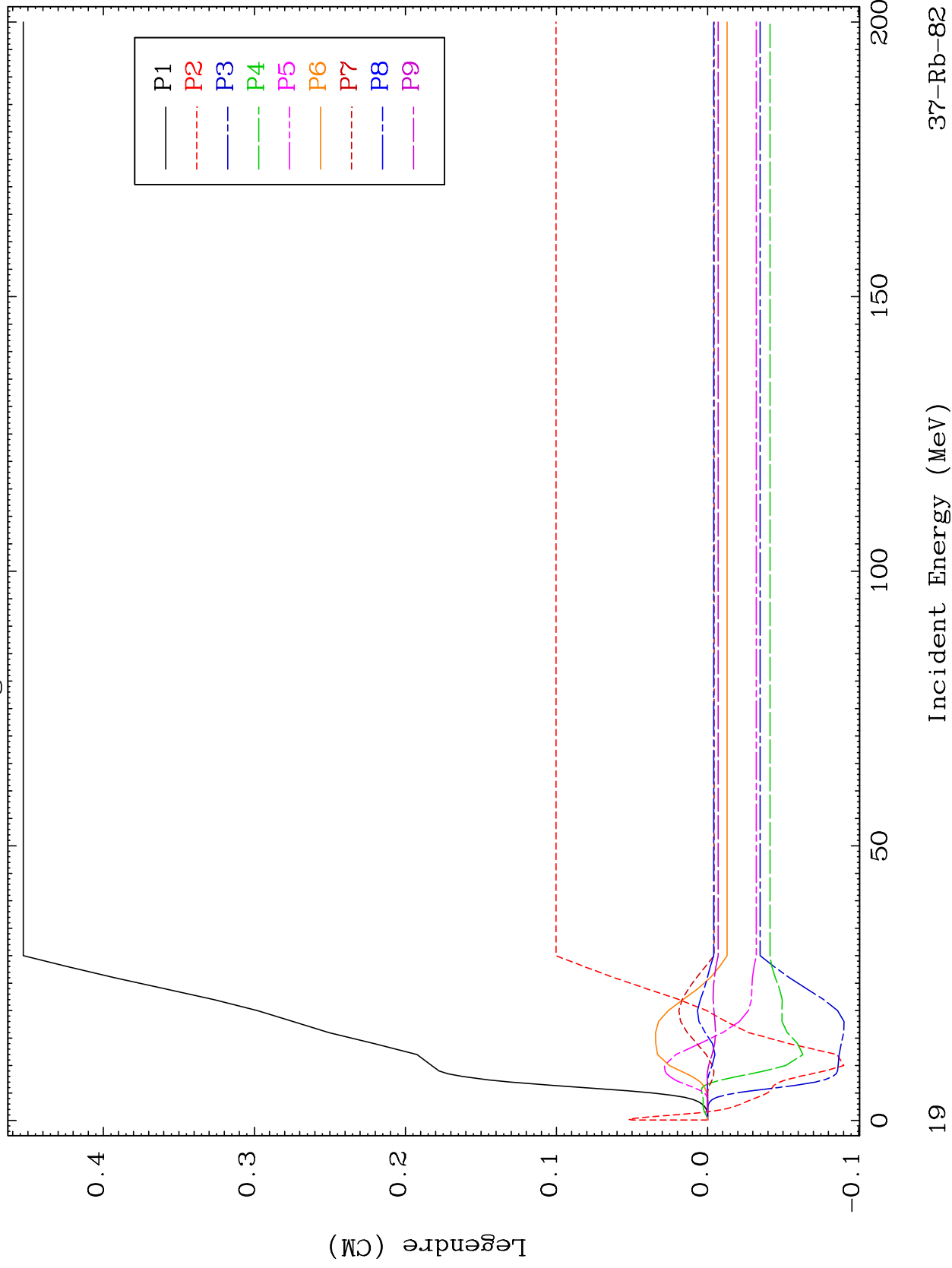
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



37-Rb-82

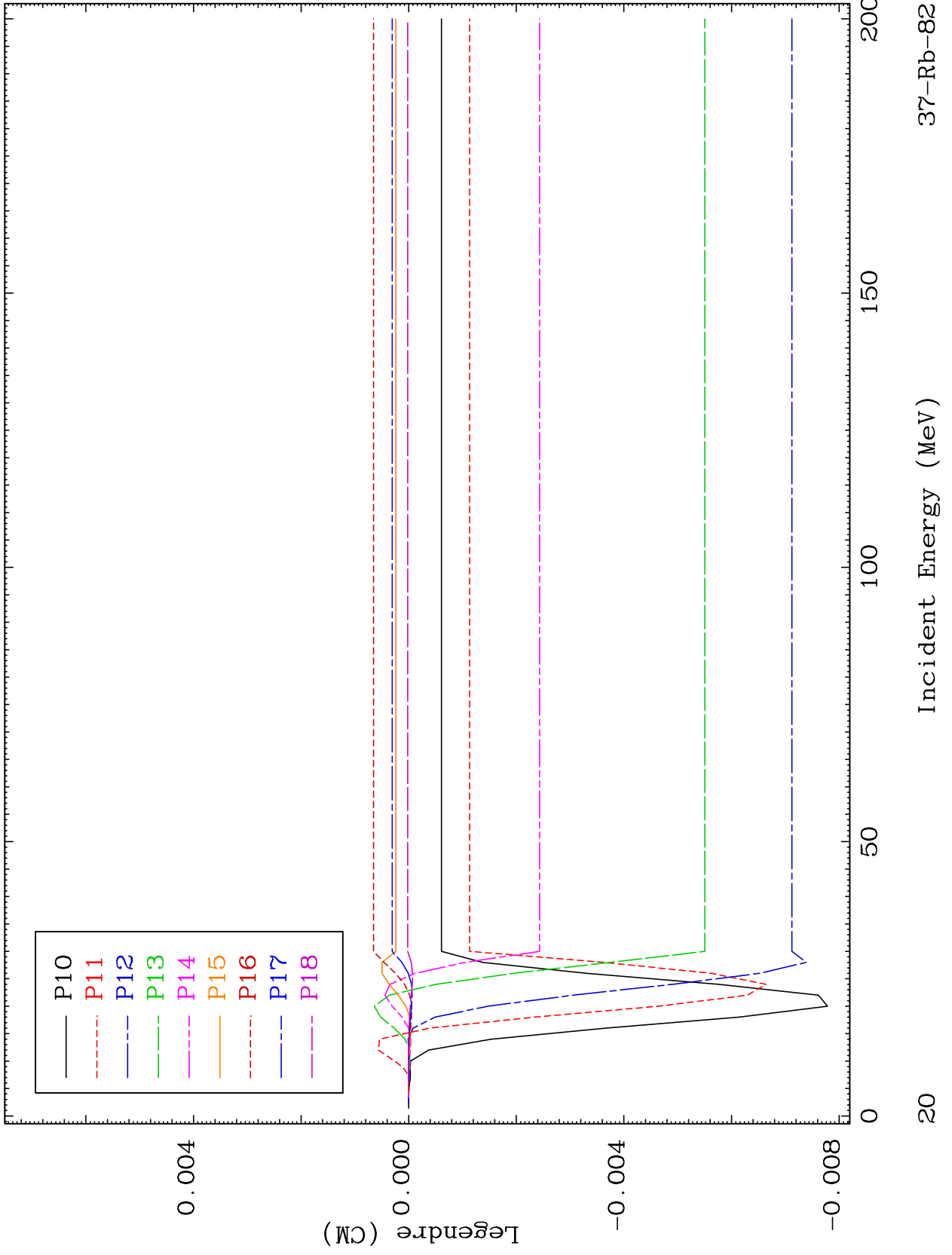
Incident Energy (MeV)

19

MAT 3716

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

37-Rb-82



37-Rb-82

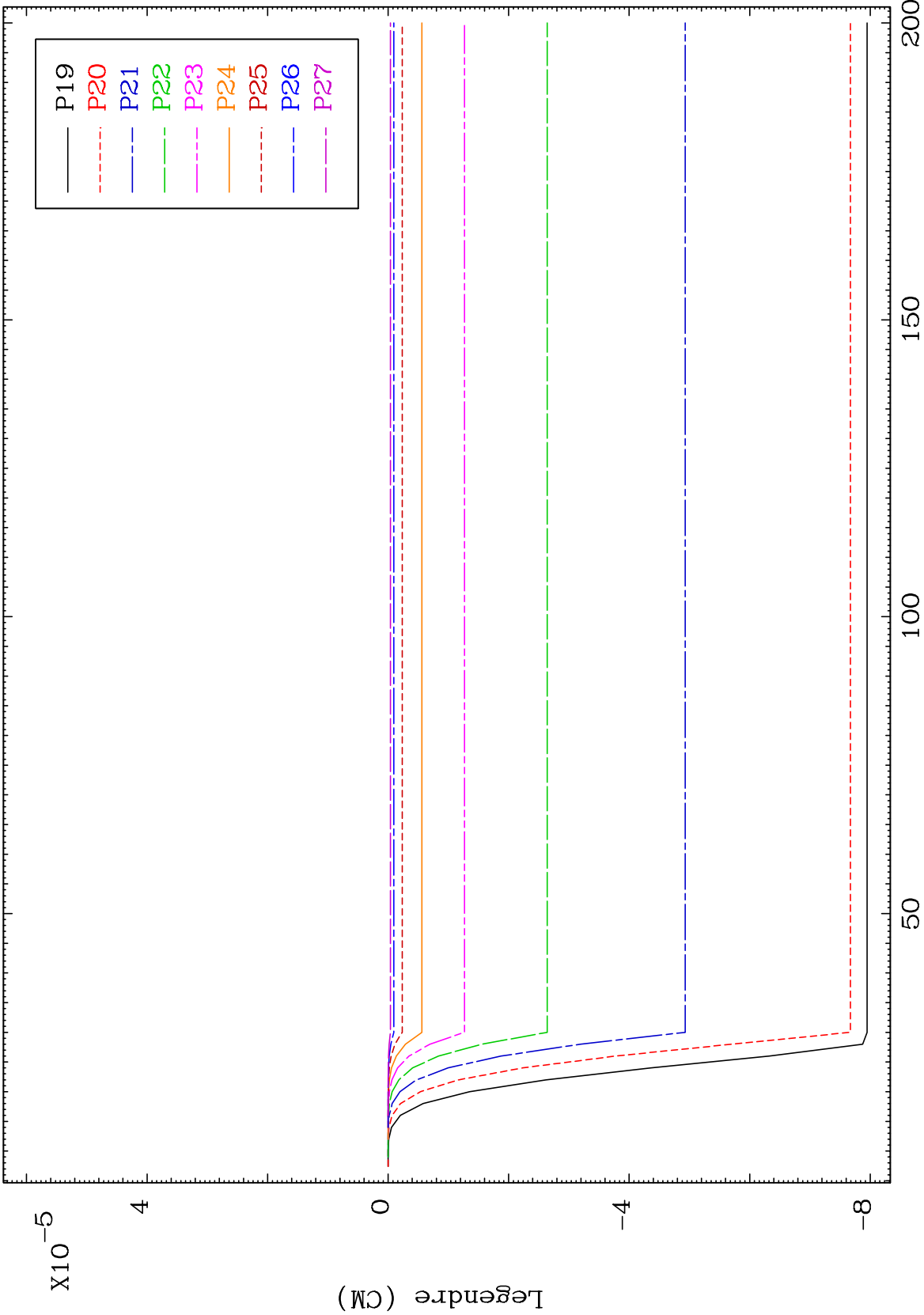
Incident Energy (MeV)

20

MAT 3716

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

37-Rb-82



21

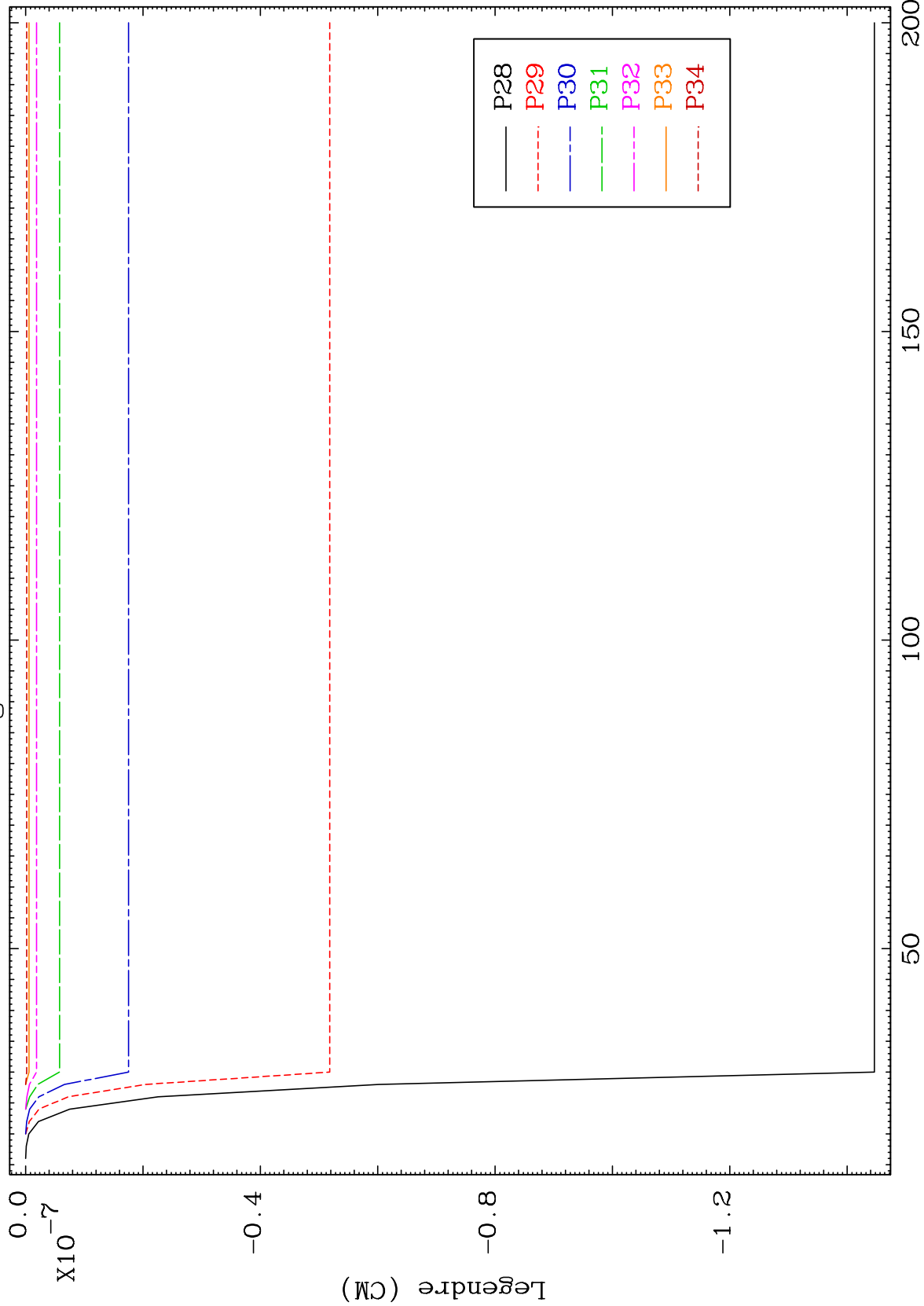
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



37-Rb-82

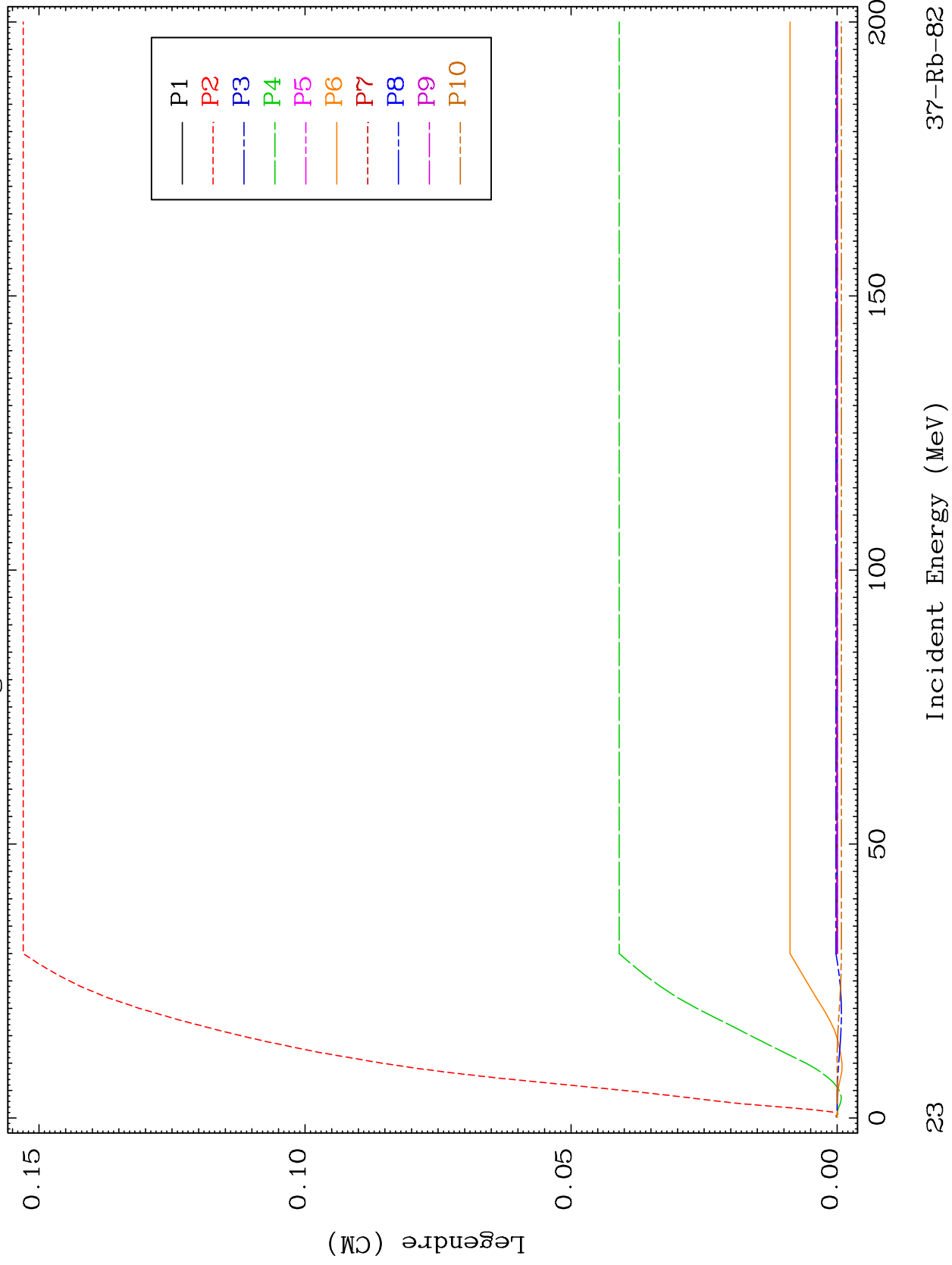
Incident Energy (MeV)

22

MAT 3716

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

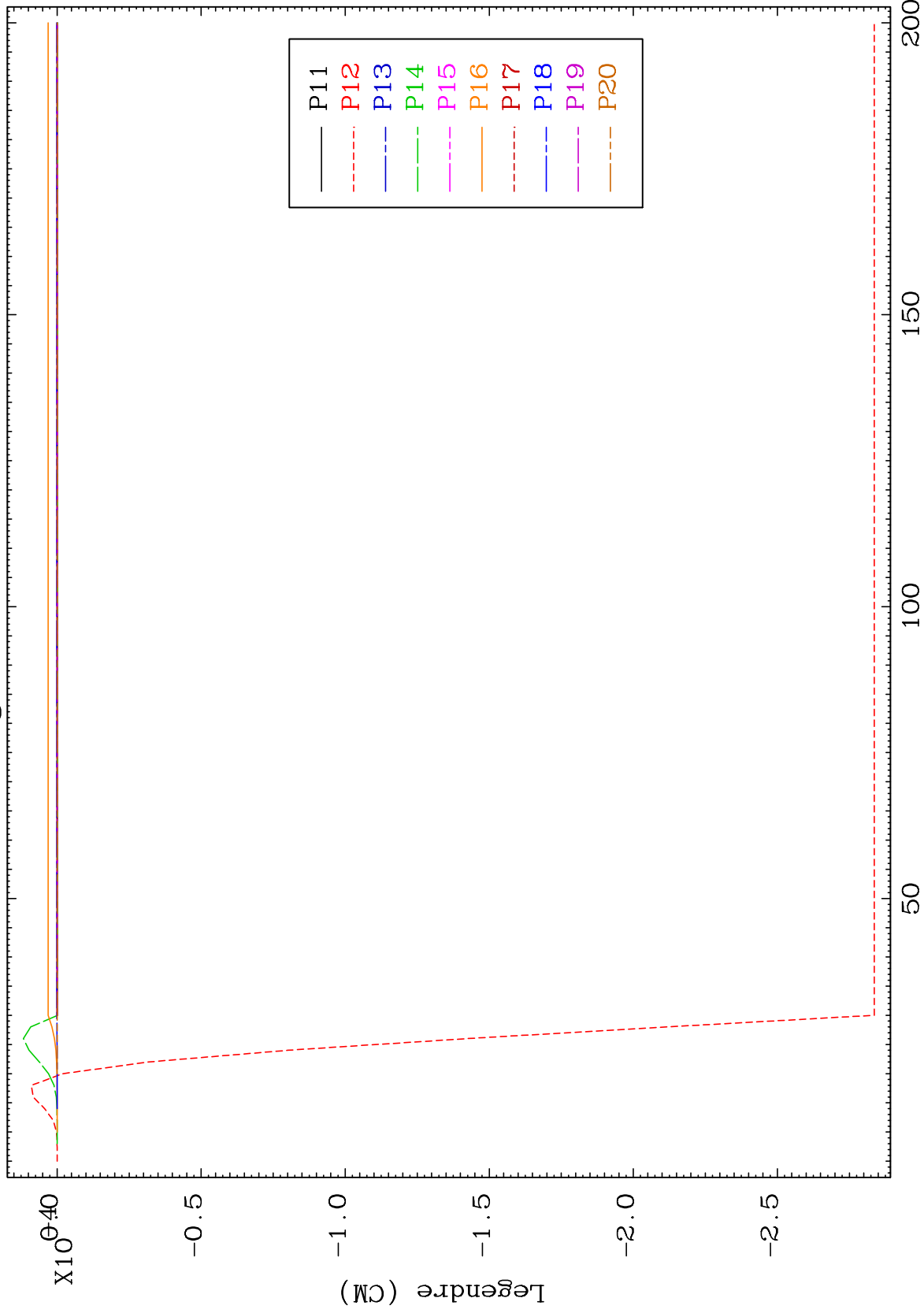
37-Rb-82



MAT 3716

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

37-Rb-82



24

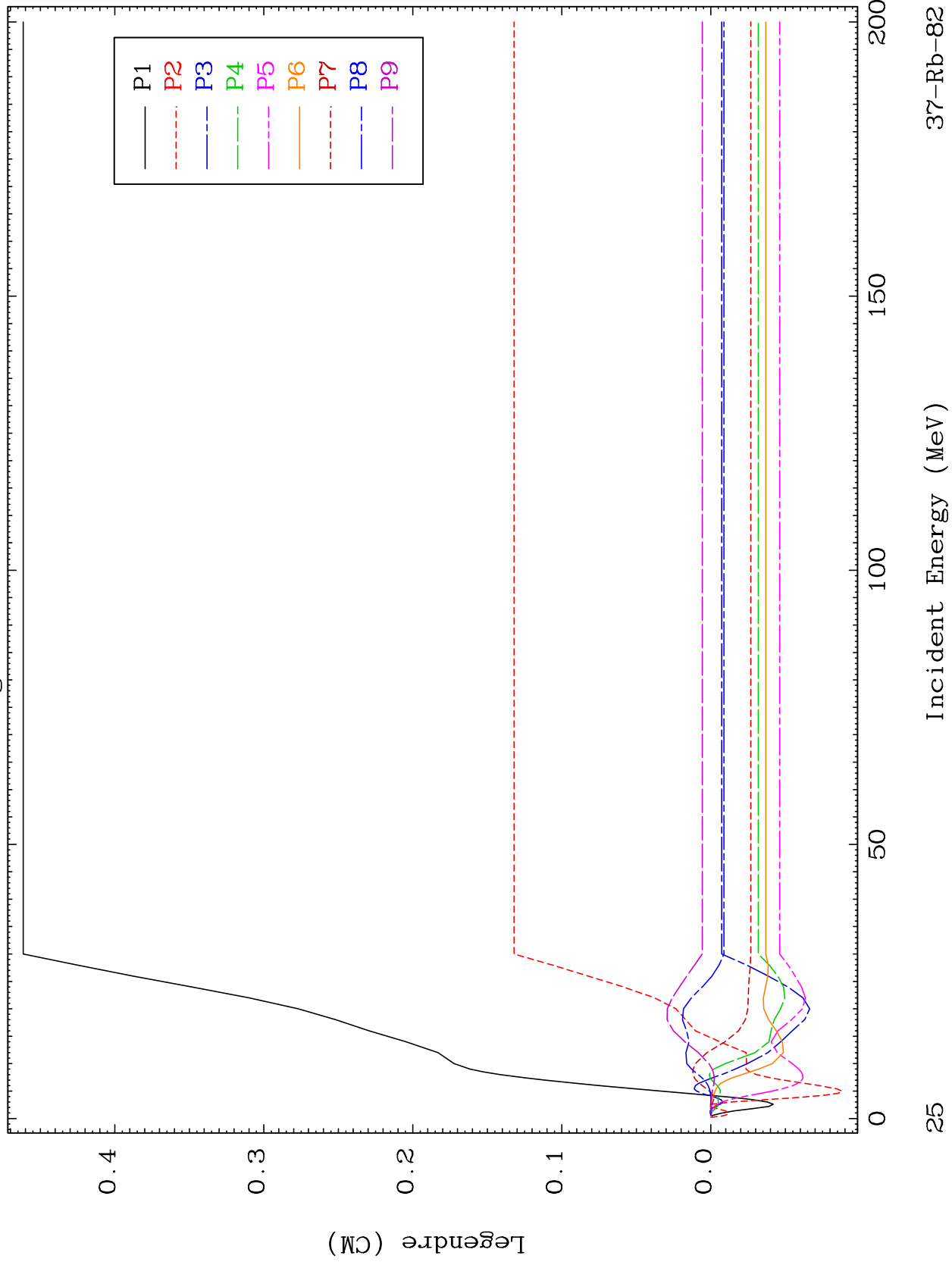
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



37-Rb-82

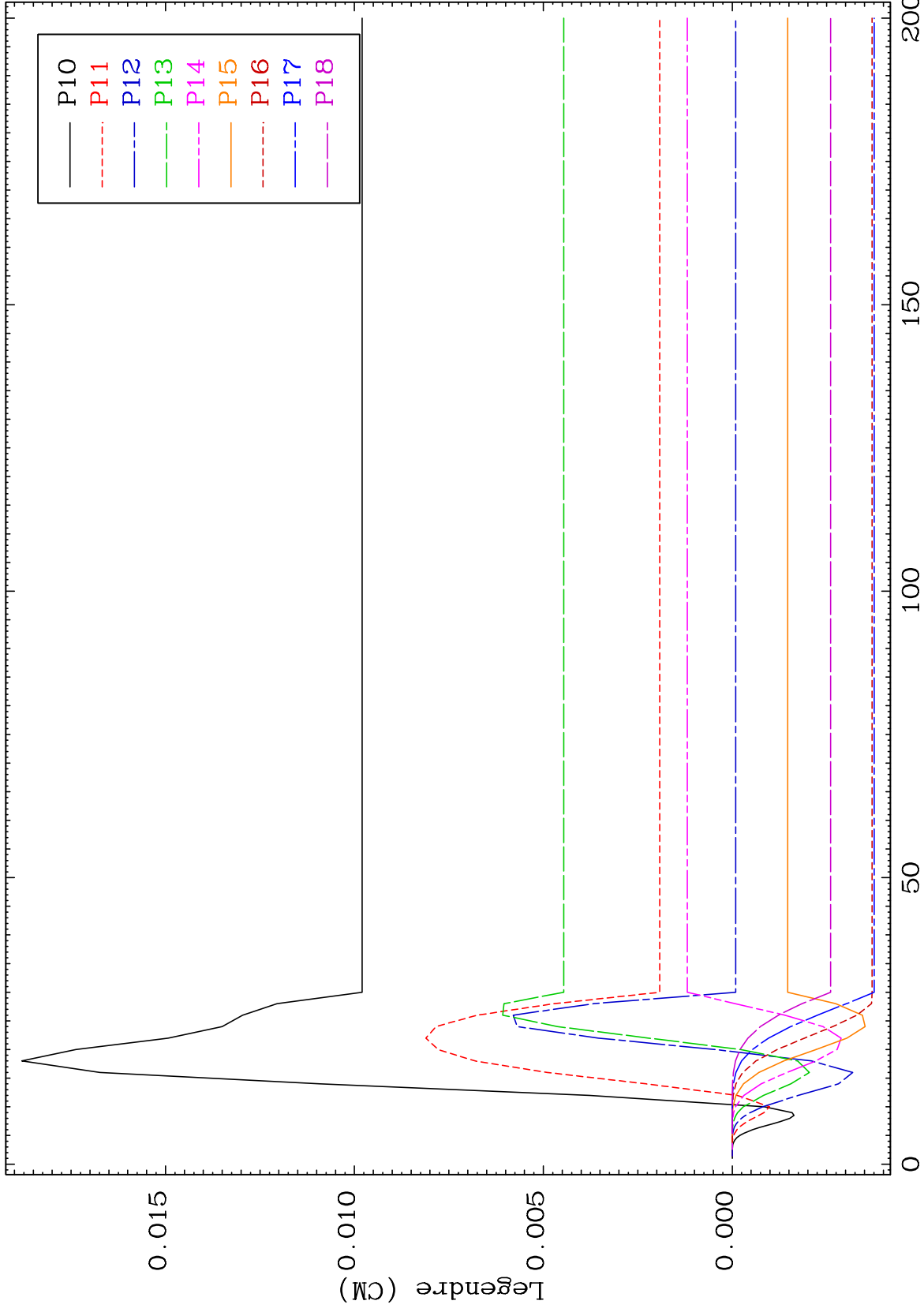
Incident Energy (MeV)

25

MAT 3716

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

37-Rb-82

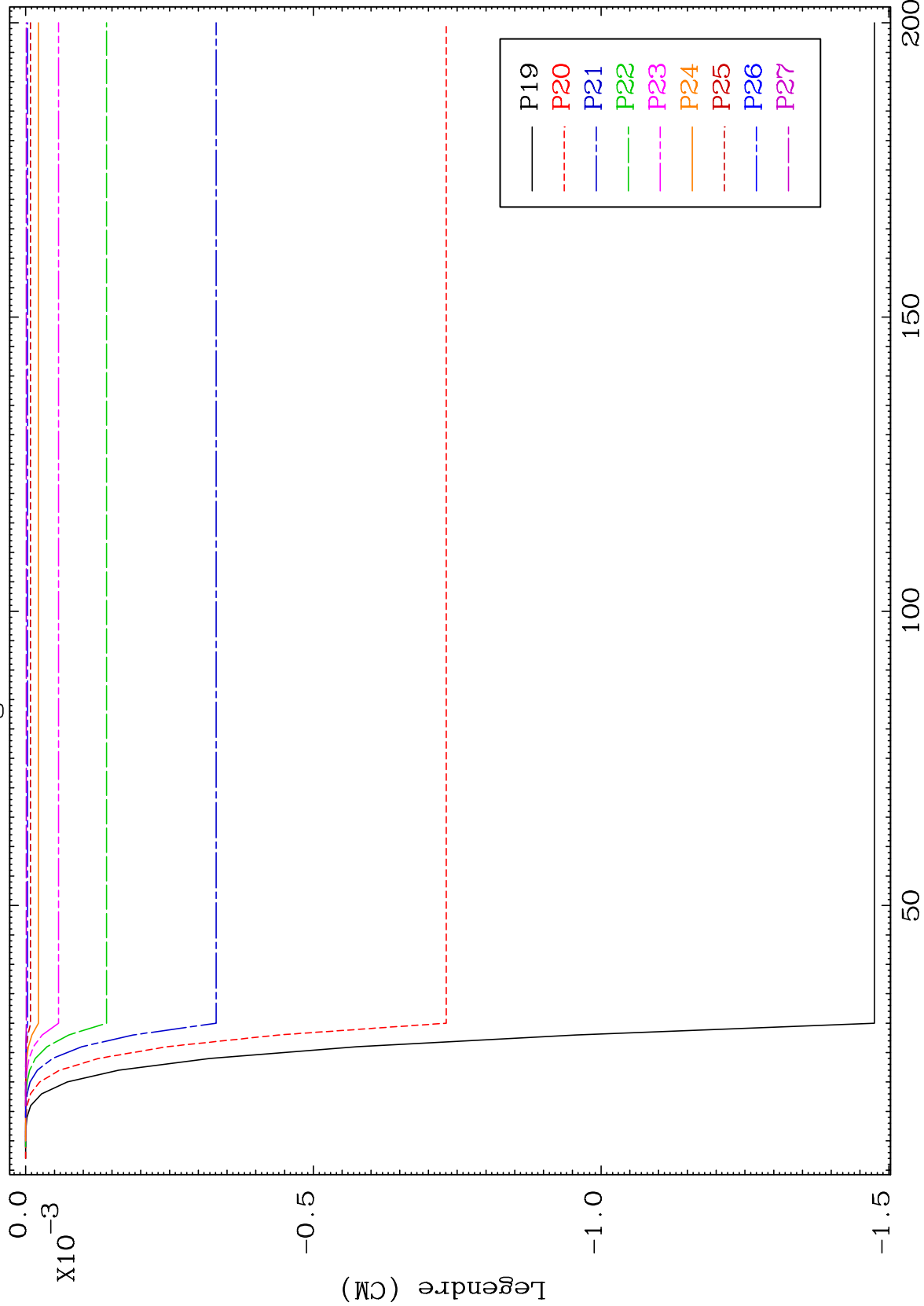


26

Incident Energy (MeV)

37-Rb-82

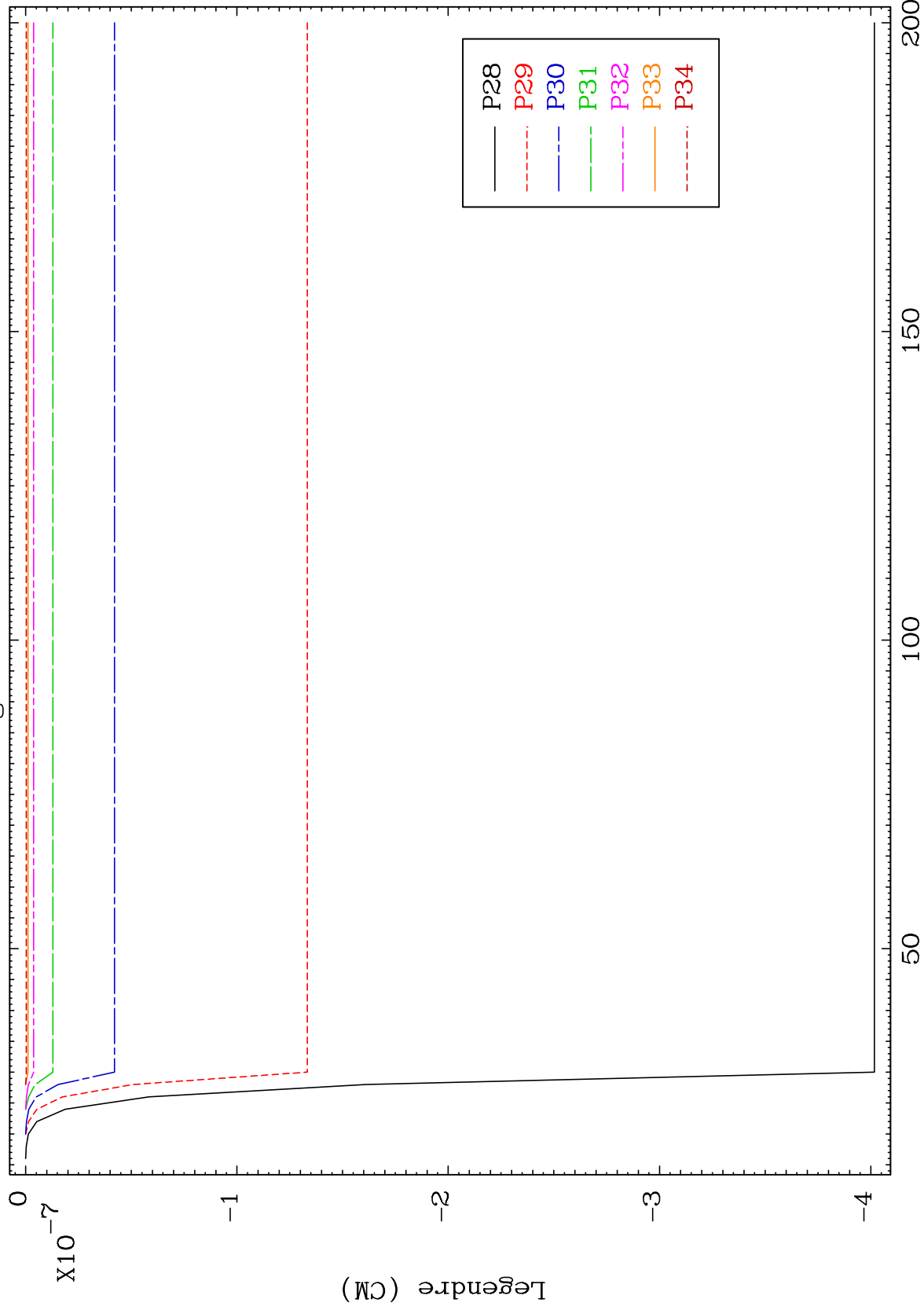
Legendre Coefficients



MAT 3716

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

37-Rb-82



28

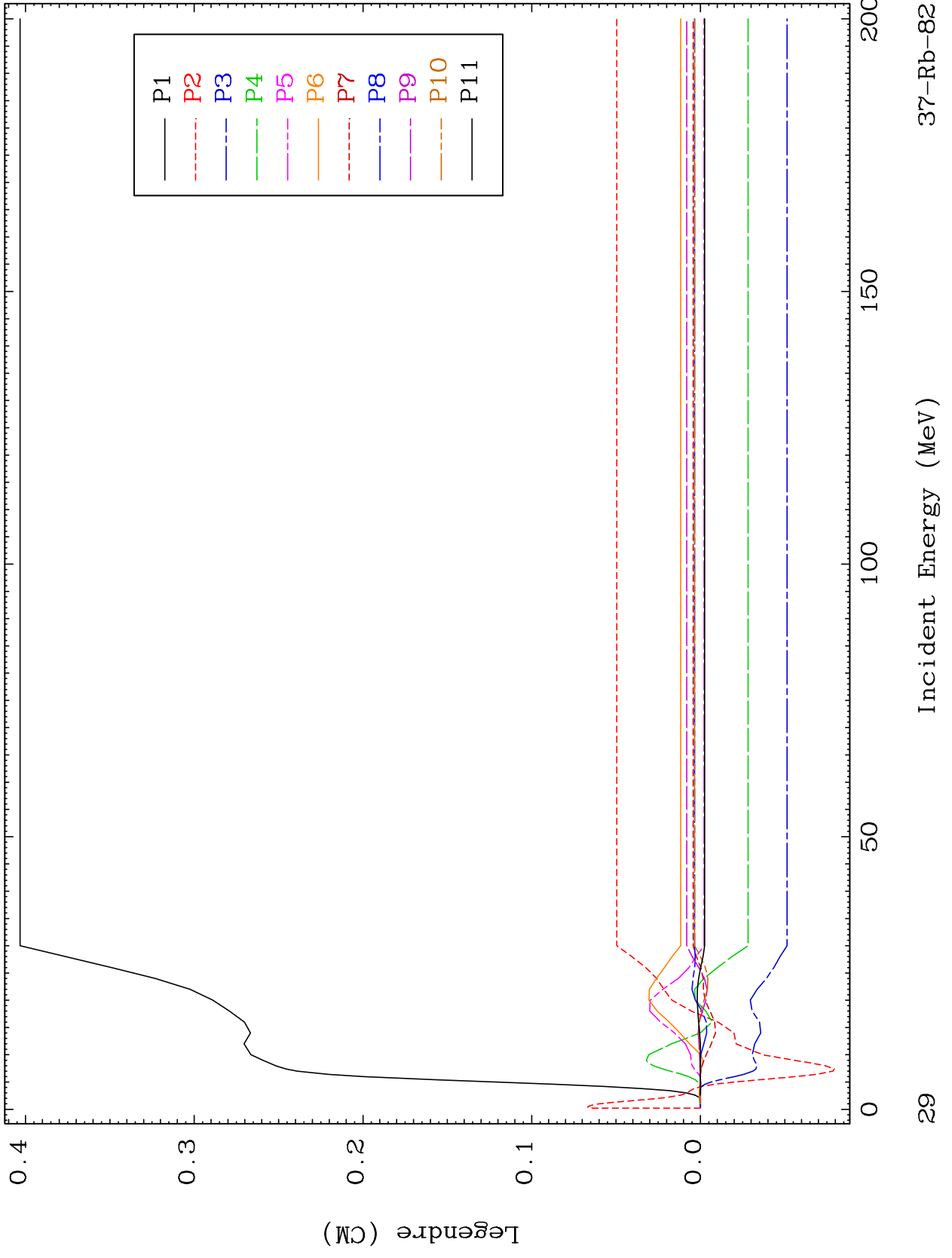
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



37-Rb-82

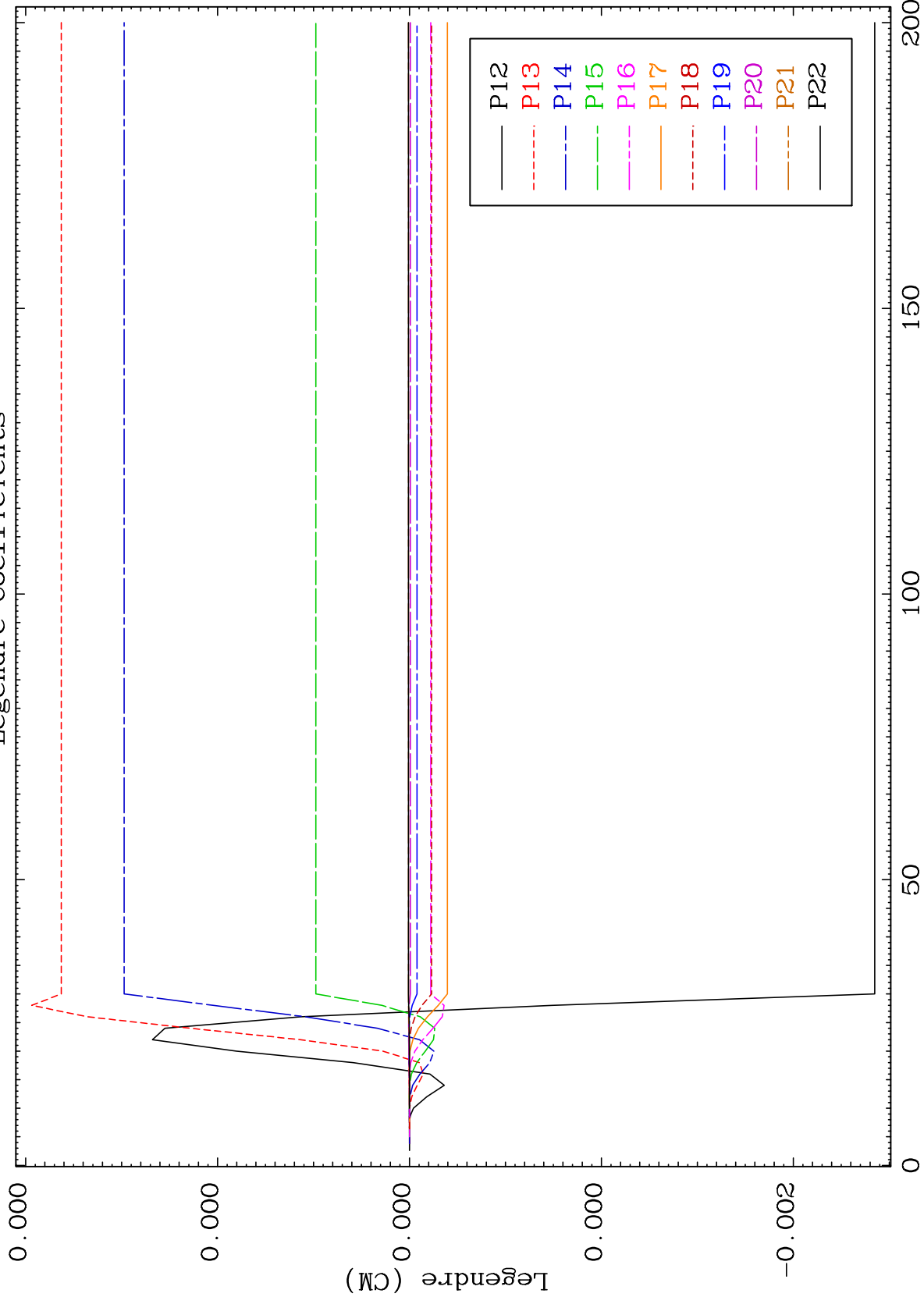
Incident Energy (MeV)

29

MAT 3716

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

37-Rb-82



30

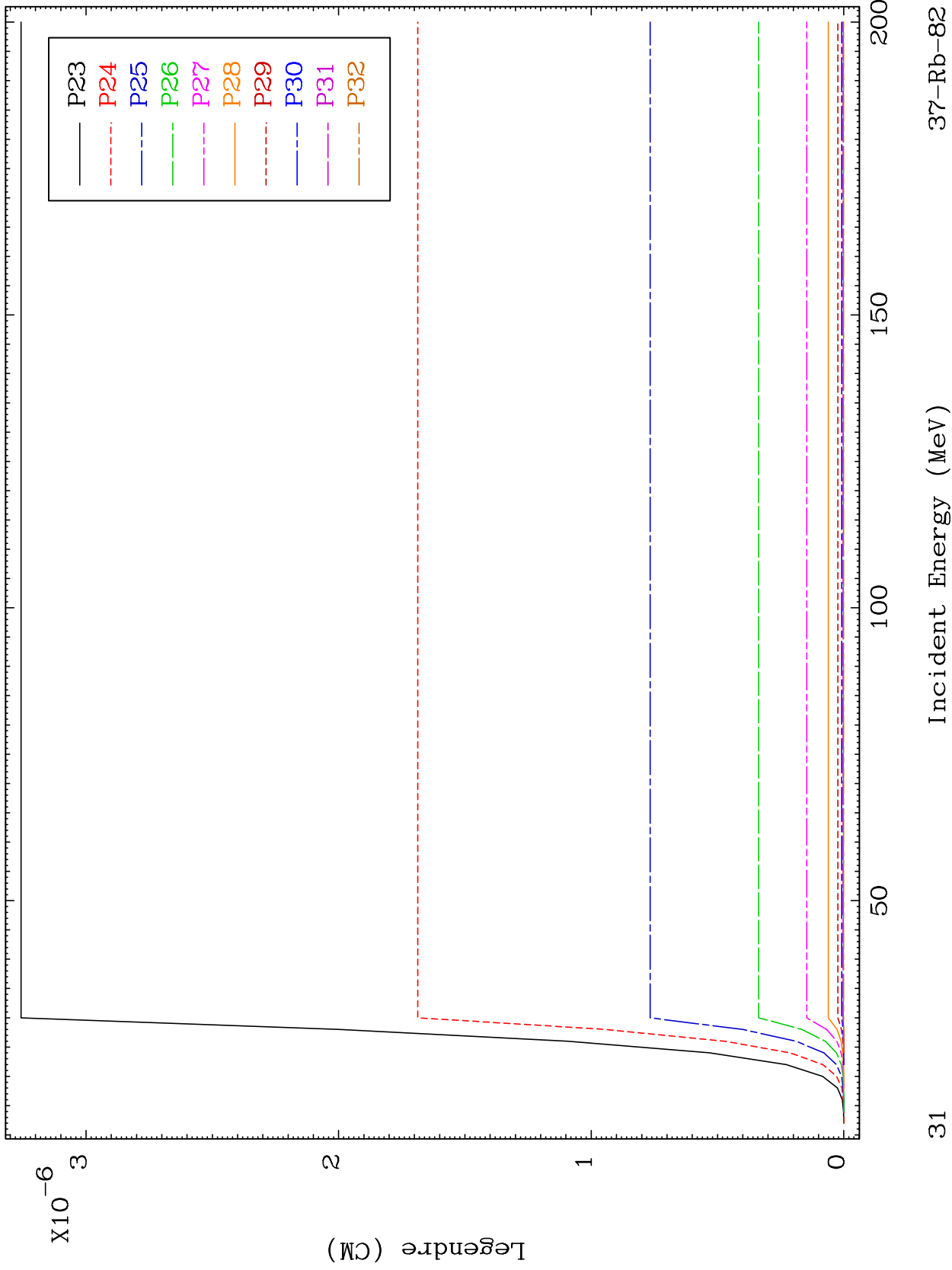
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82

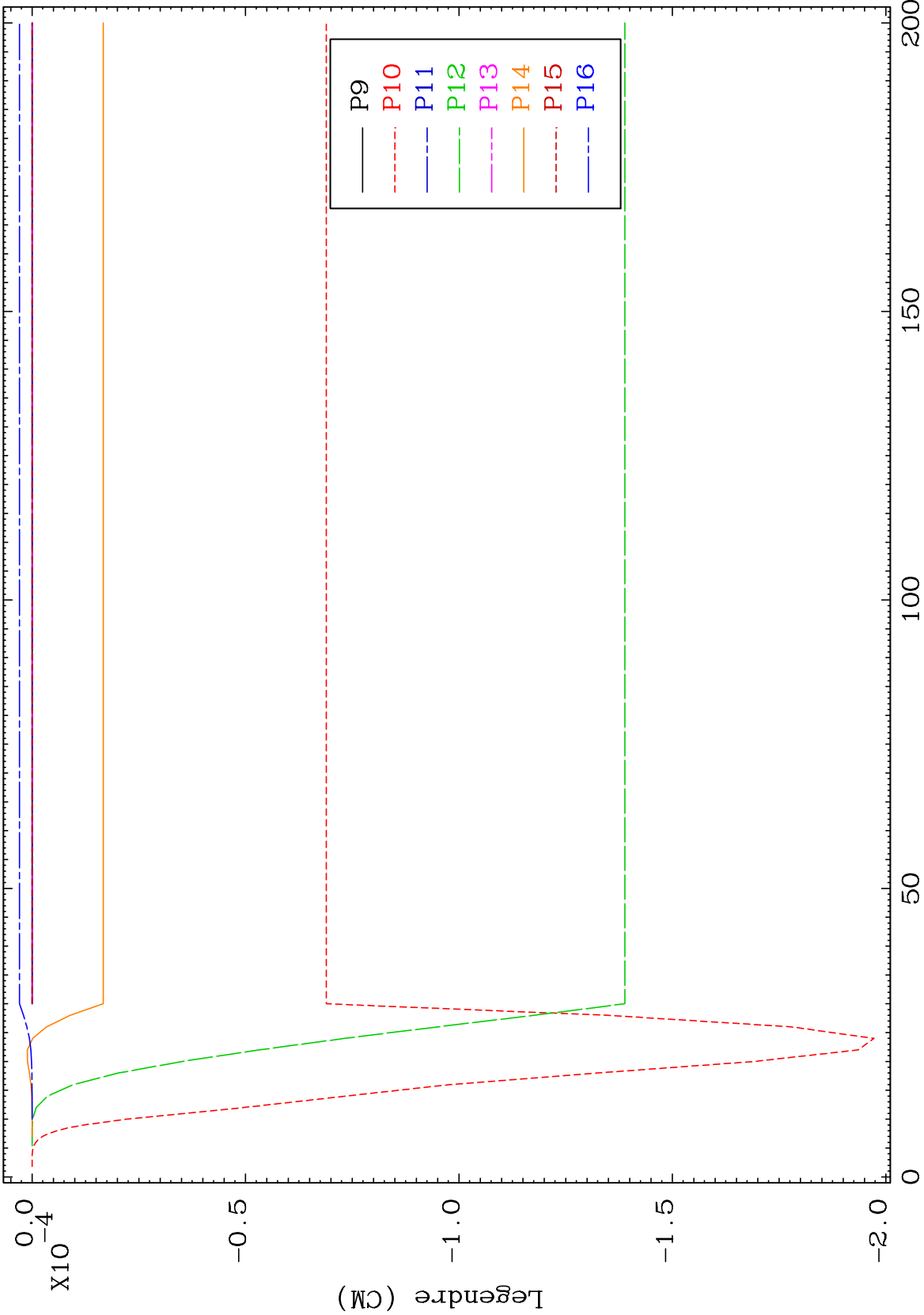


MAT 3716

MT= 55 (n,n') Level

37-Rb-82

Legendre Coefficients



37-Rb-82

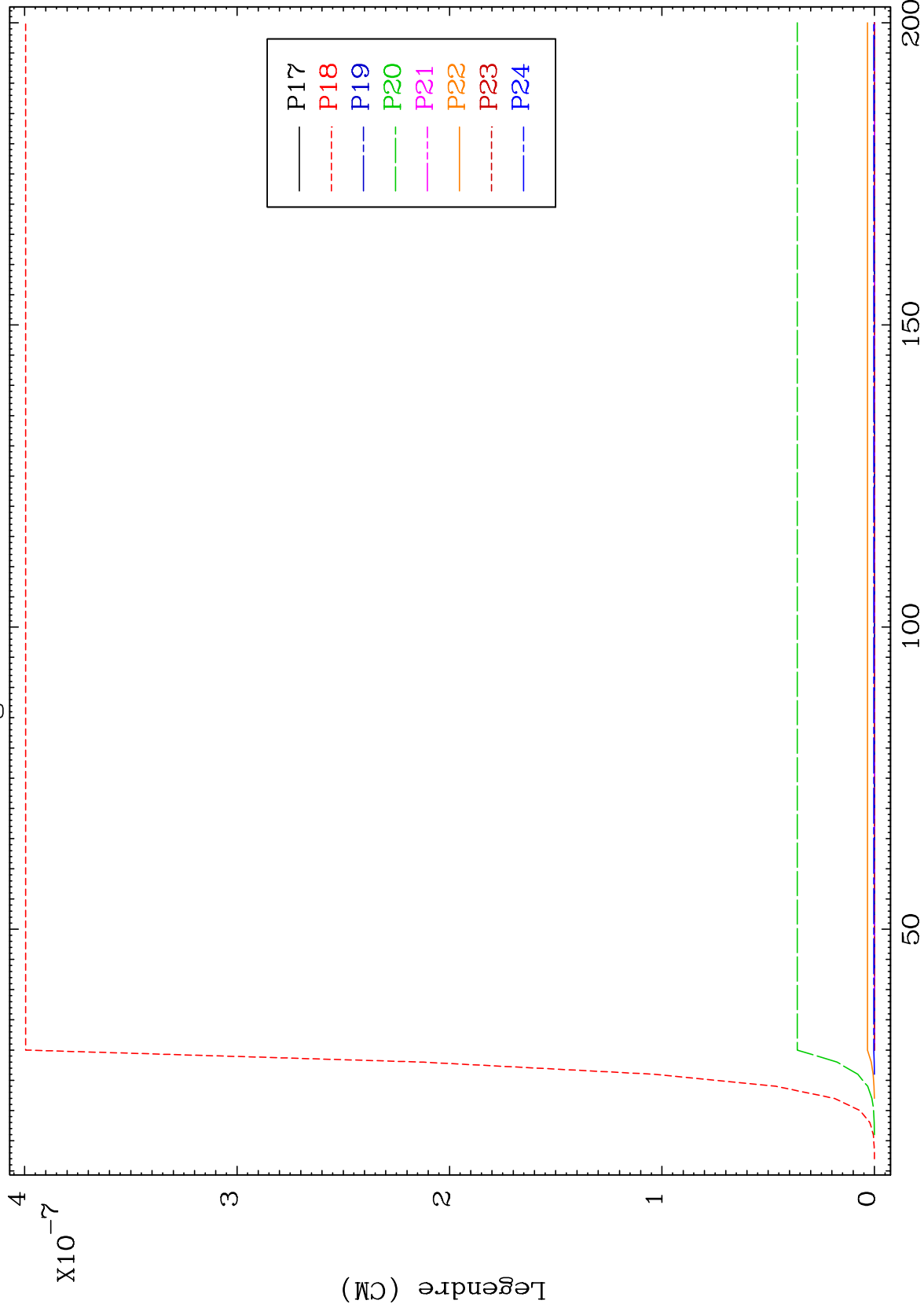
Incident Energy (MeV)

33

MAT 3716

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

37-Rb-82



37-Rb-82

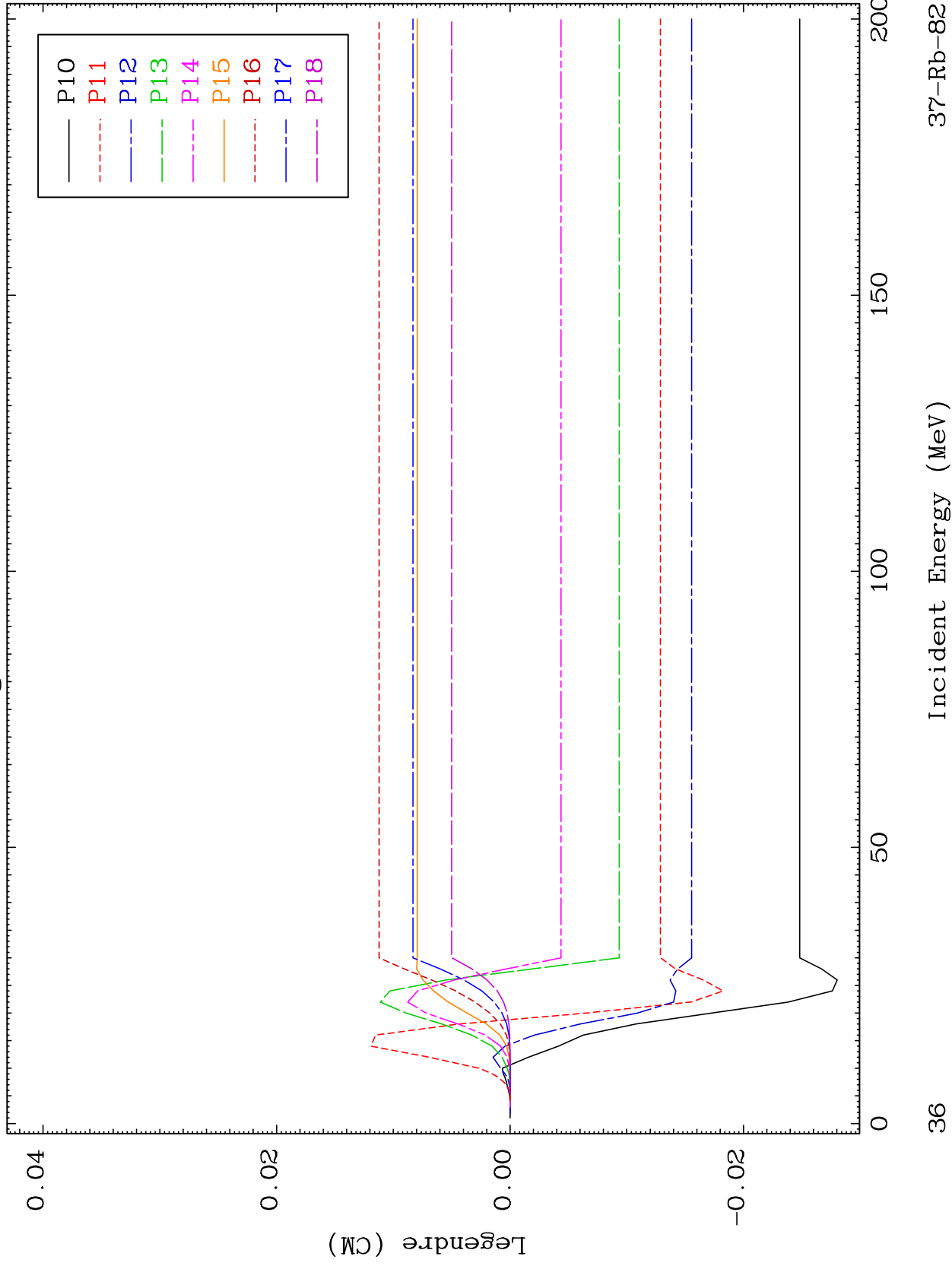
Incident Energy (MeV)

34

MAT 3716

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

37-Rb-82



36

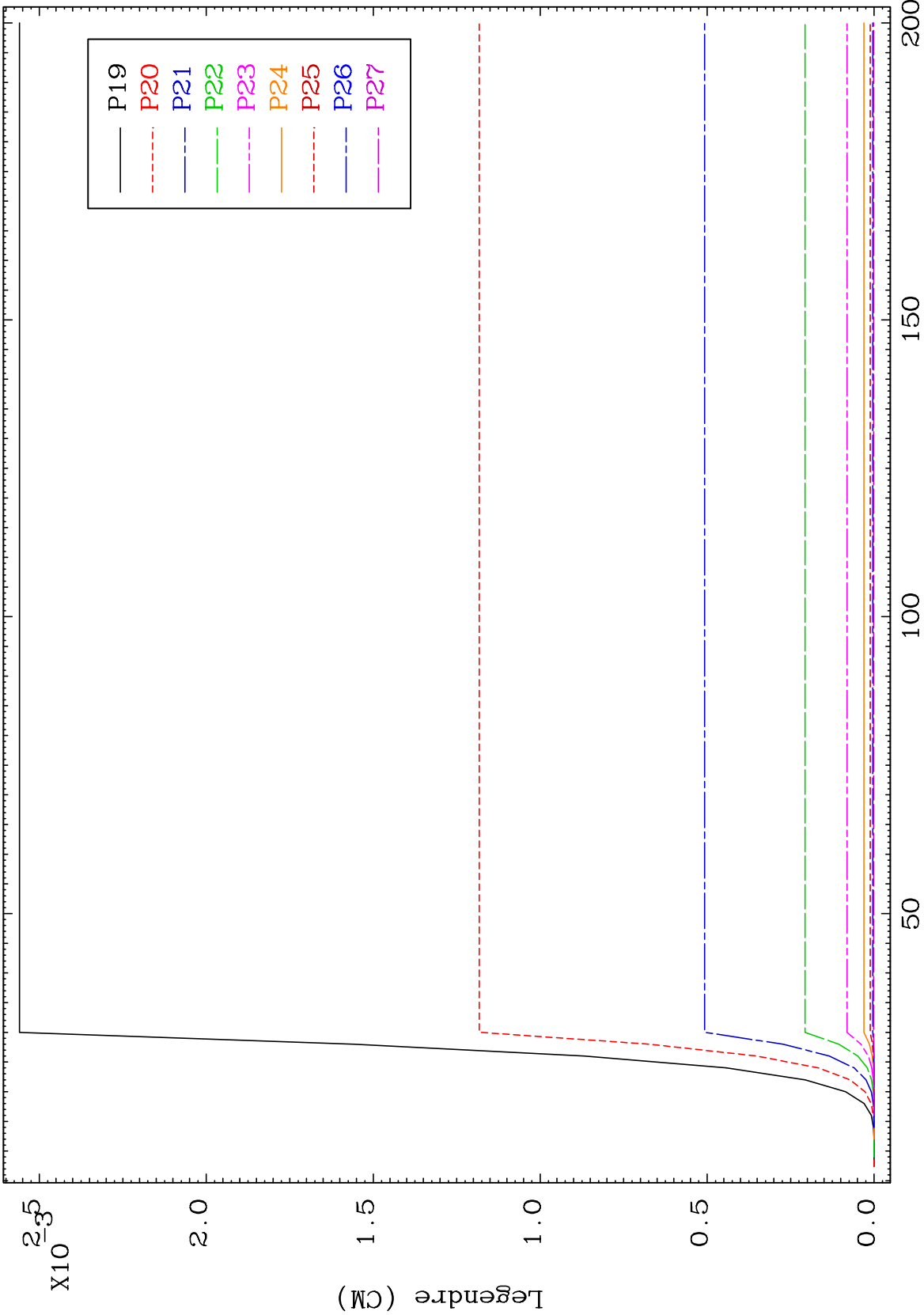
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



37

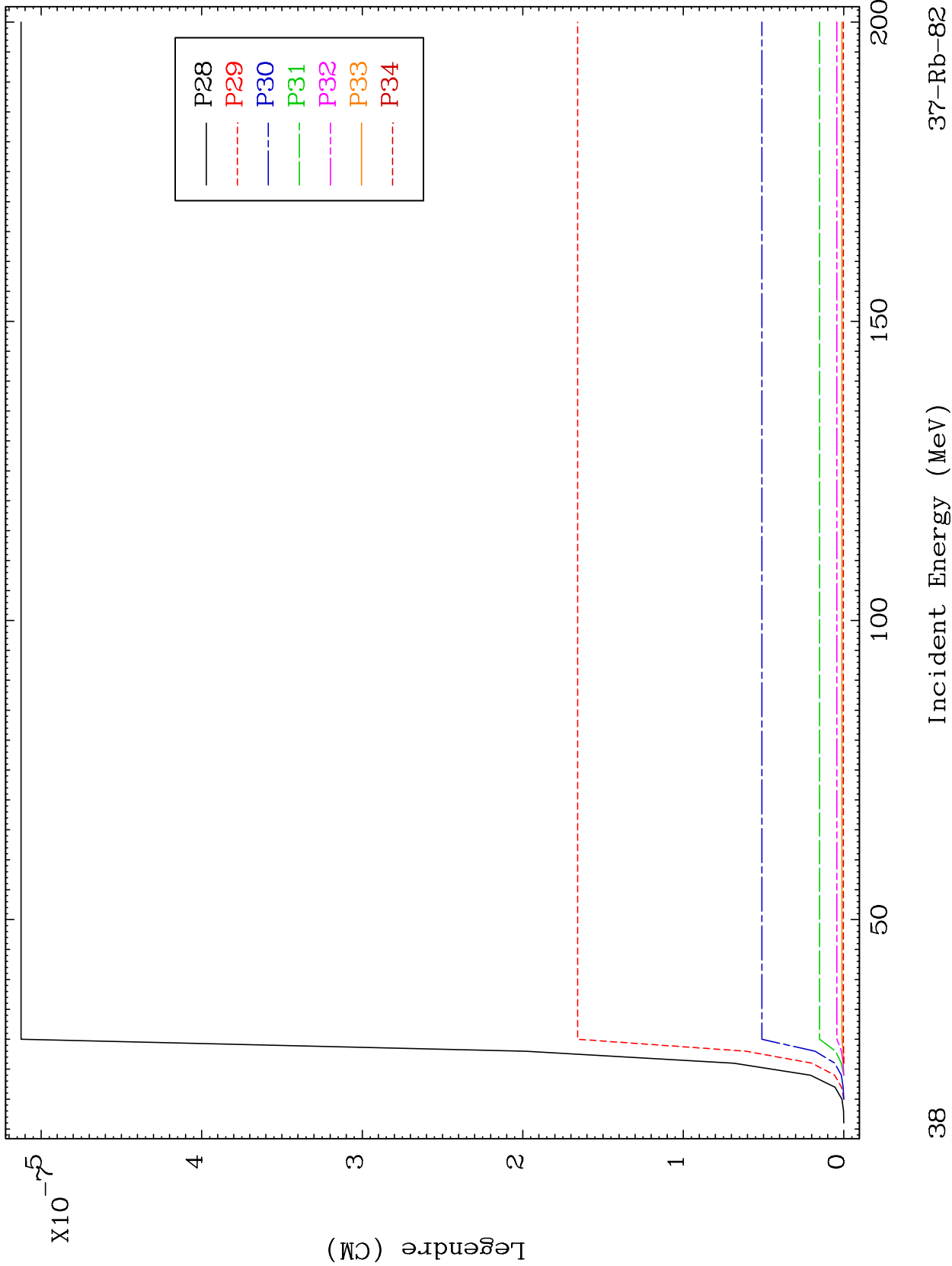
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



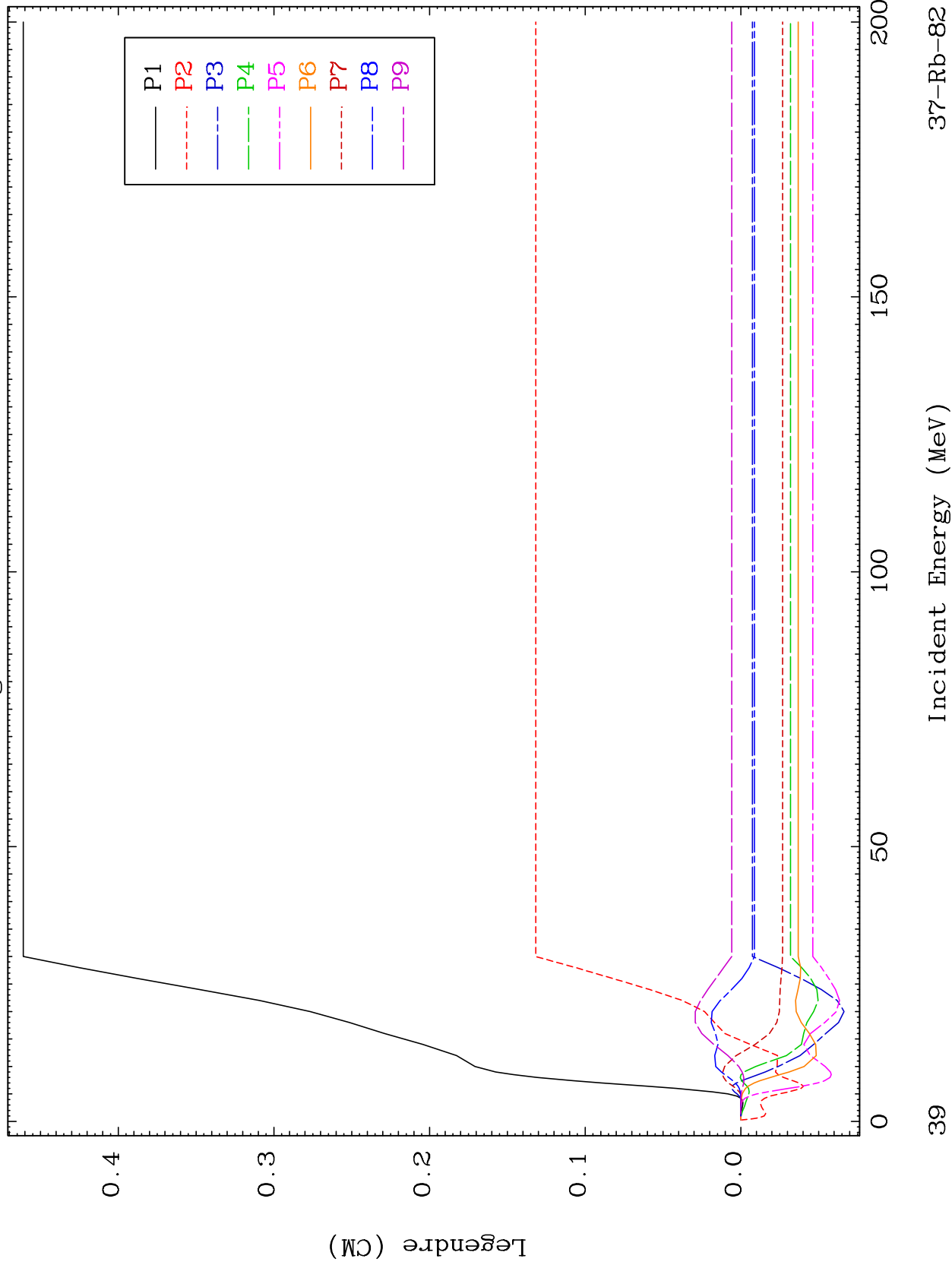
38

37-Rb-82

MAT 3716

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

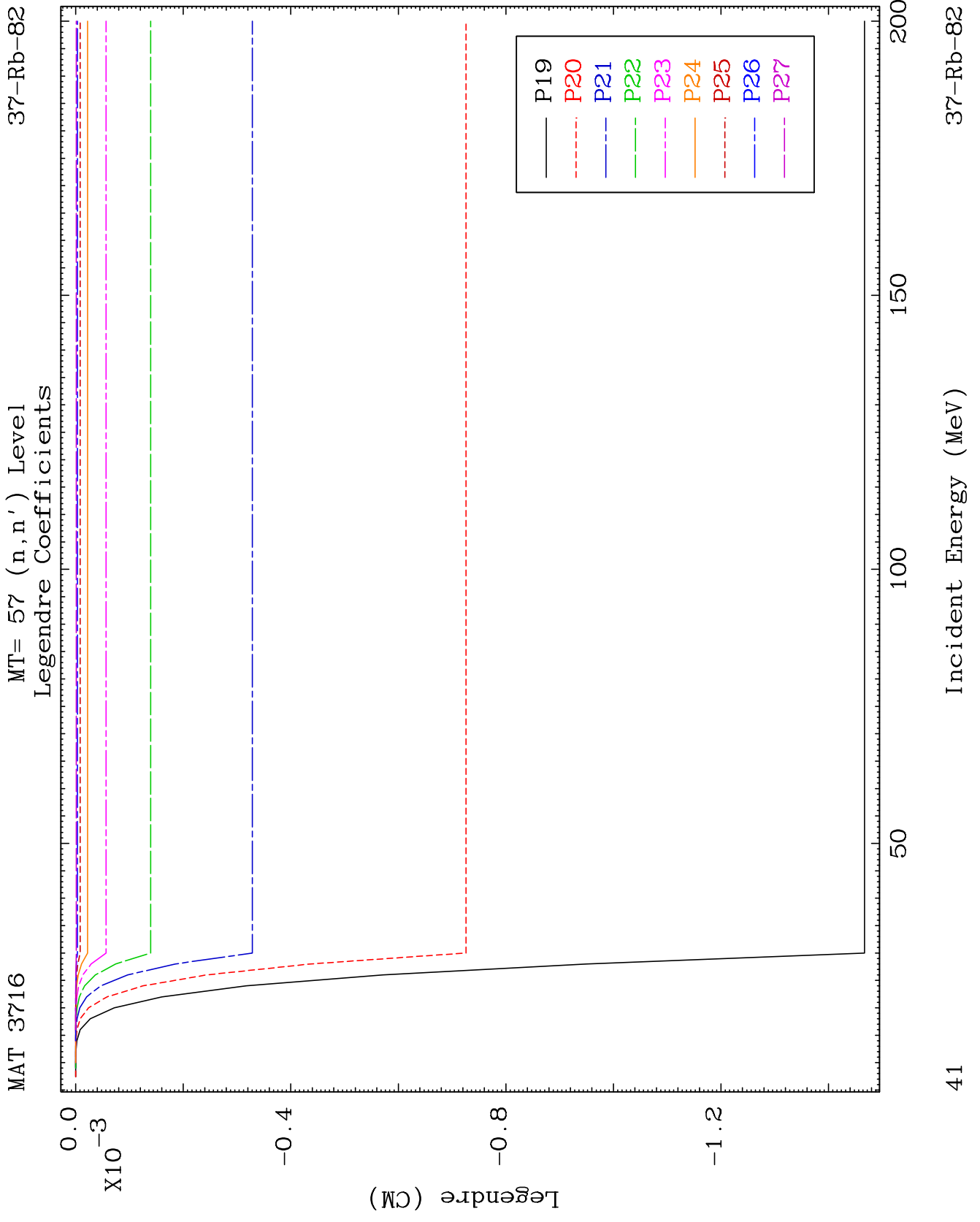
37-Rb-82



39

Incident Energy (MeV)

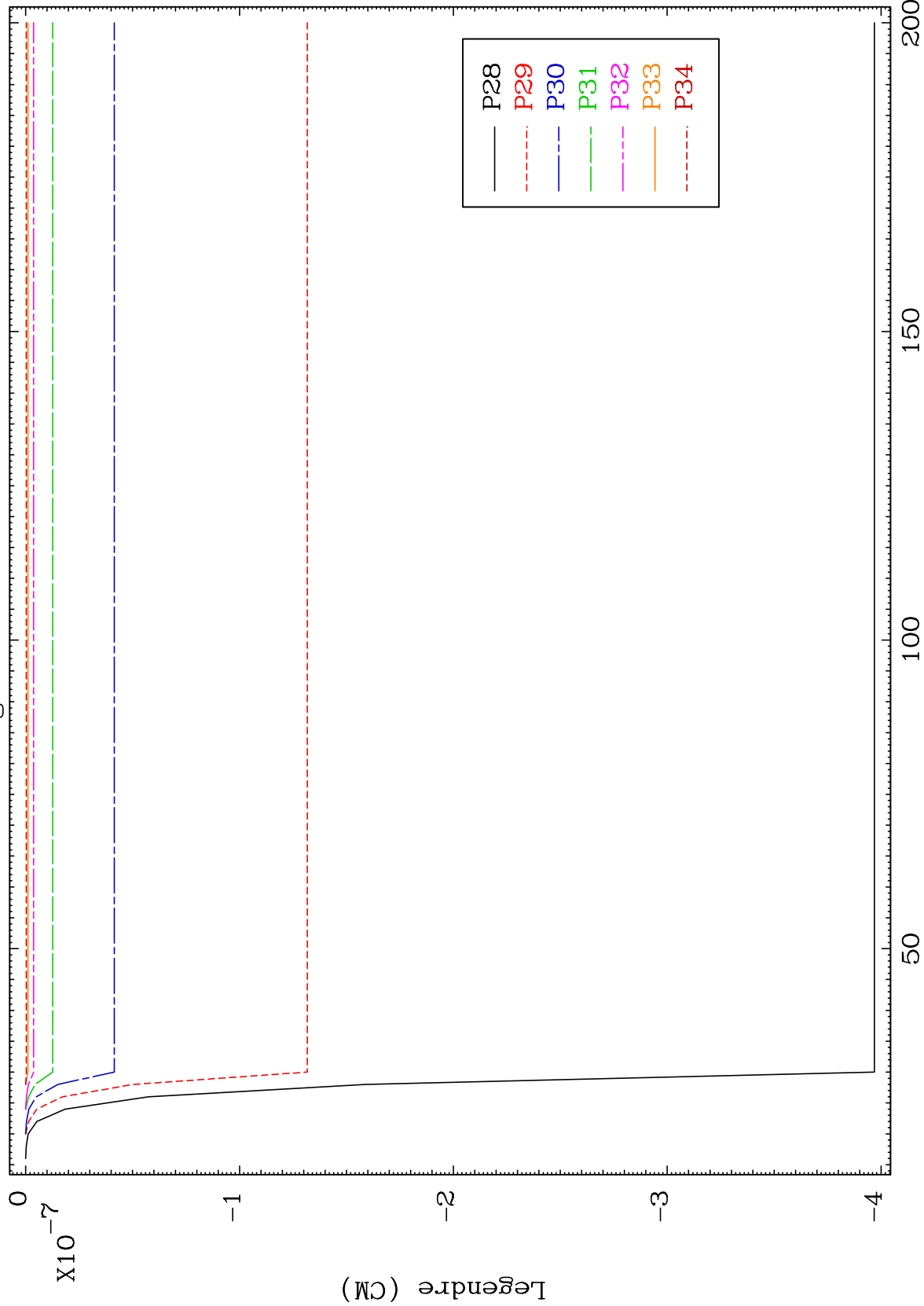
37-Rb-82



MAT 3716

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

37-Rb-82



42

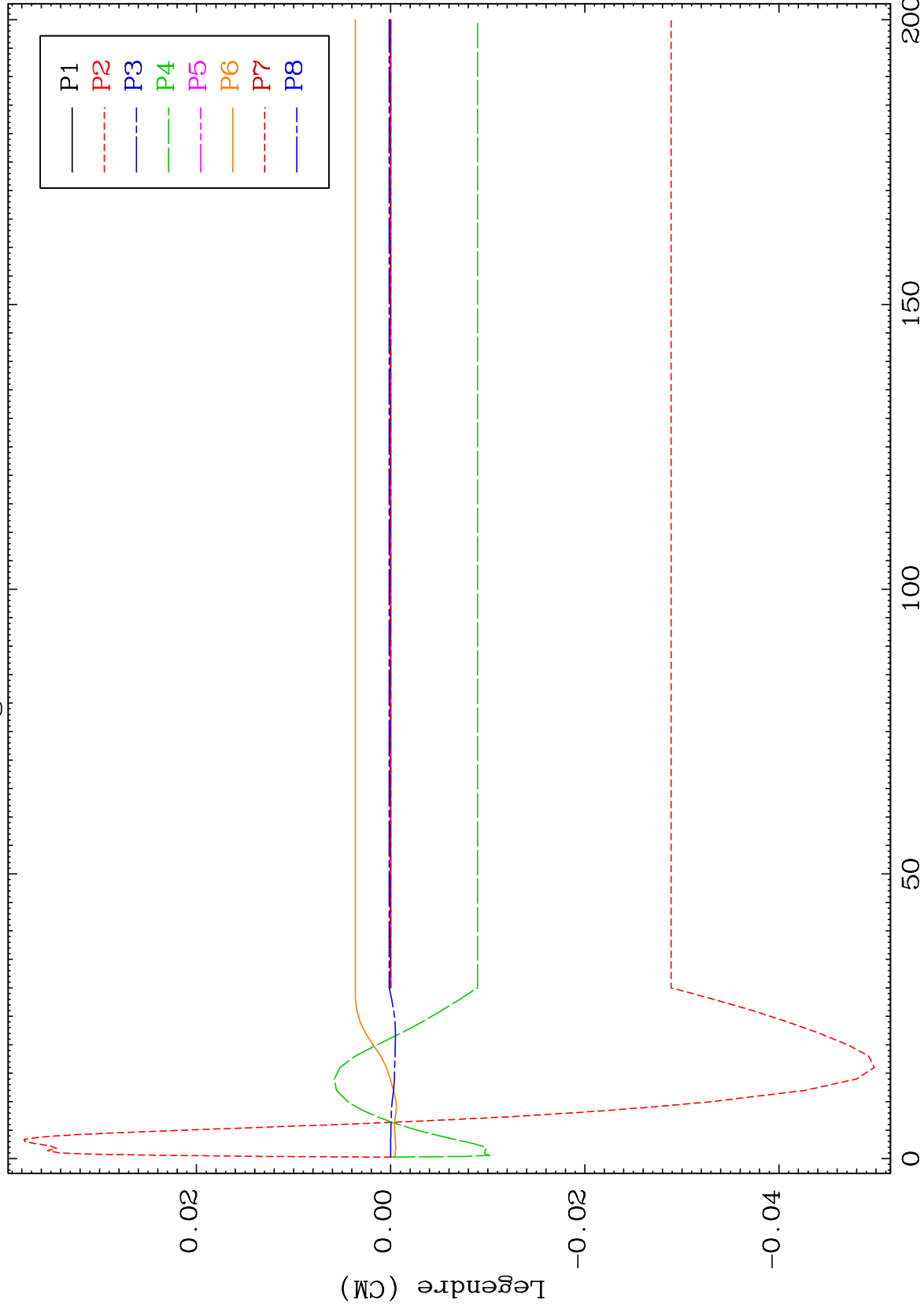
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



43

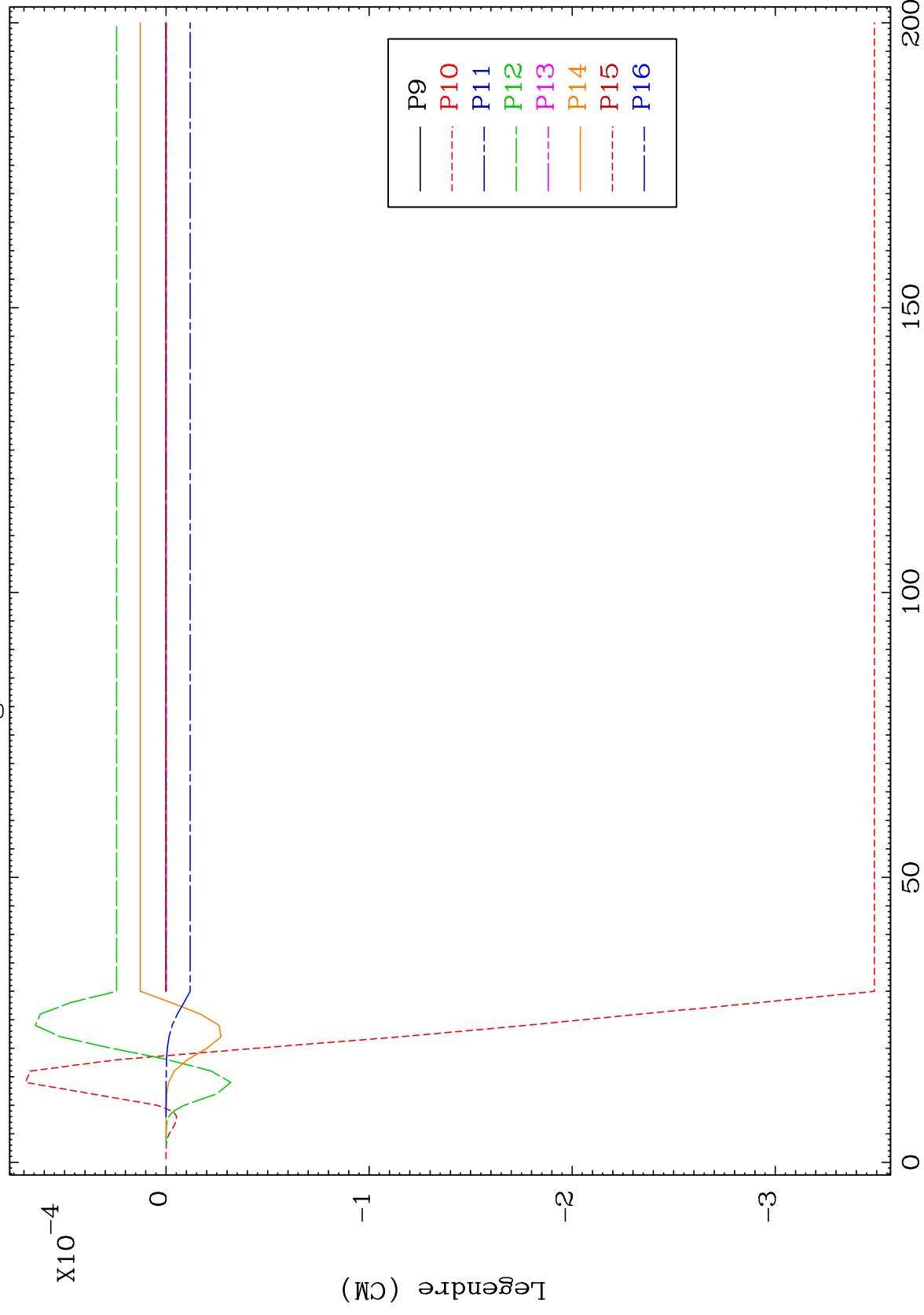
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



44

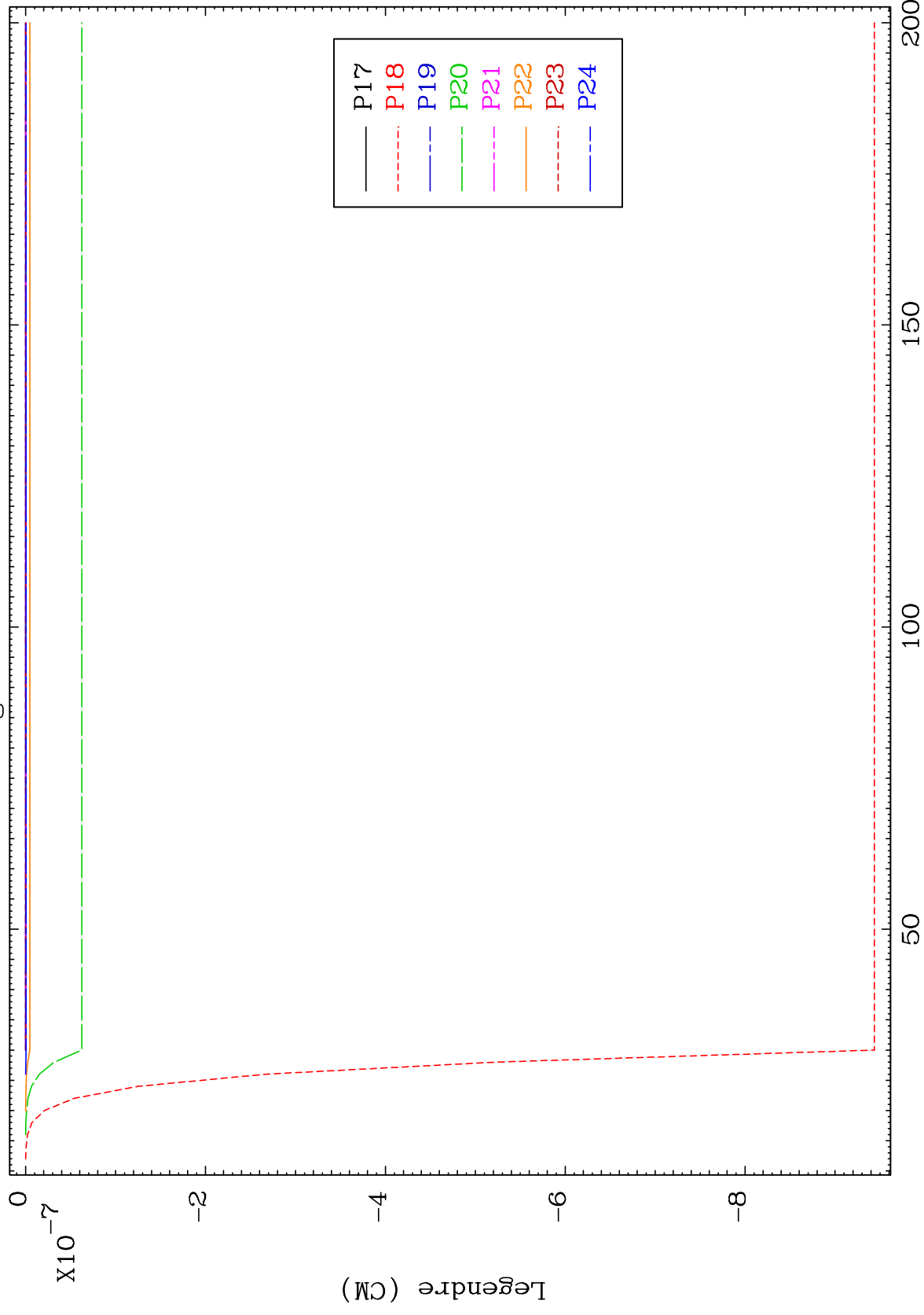
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



37-Rb-82

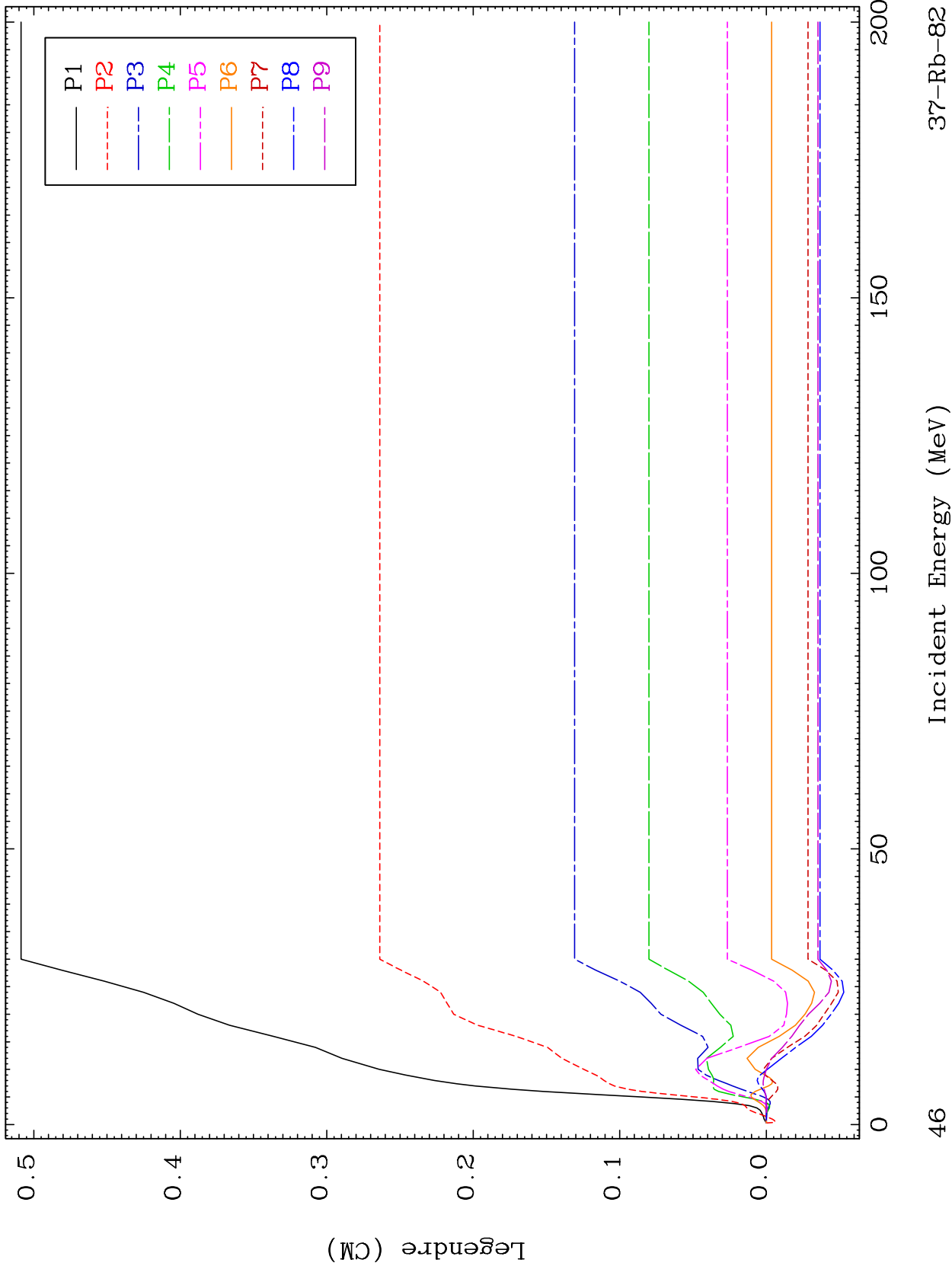
Incident Energy (MeV)

45

MAT 3716

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

37-Rb-82



37-Rb-82

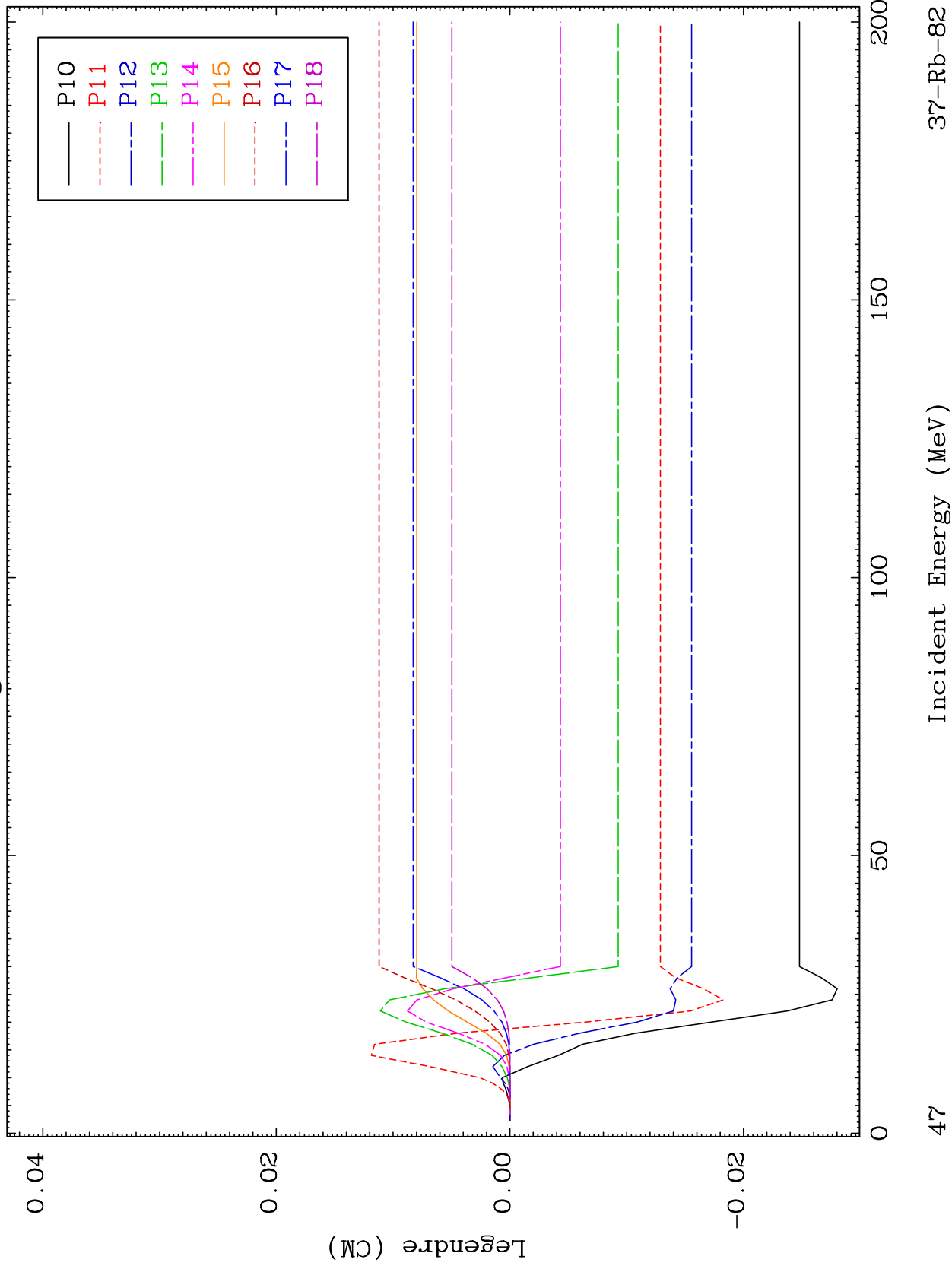
Incident Energy (MeV)

46

MAT 3716

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

37-Rb-82



47

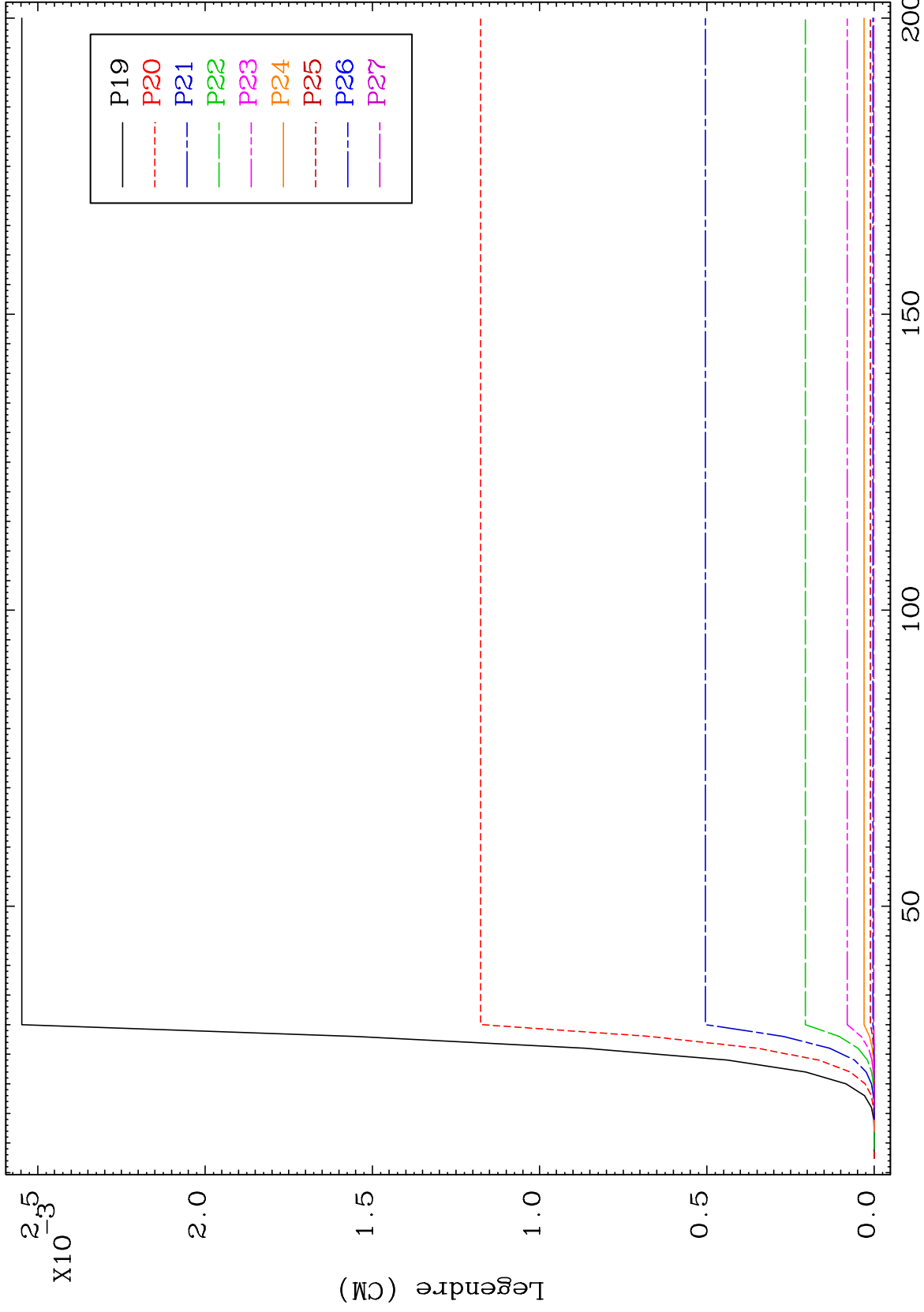
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



48

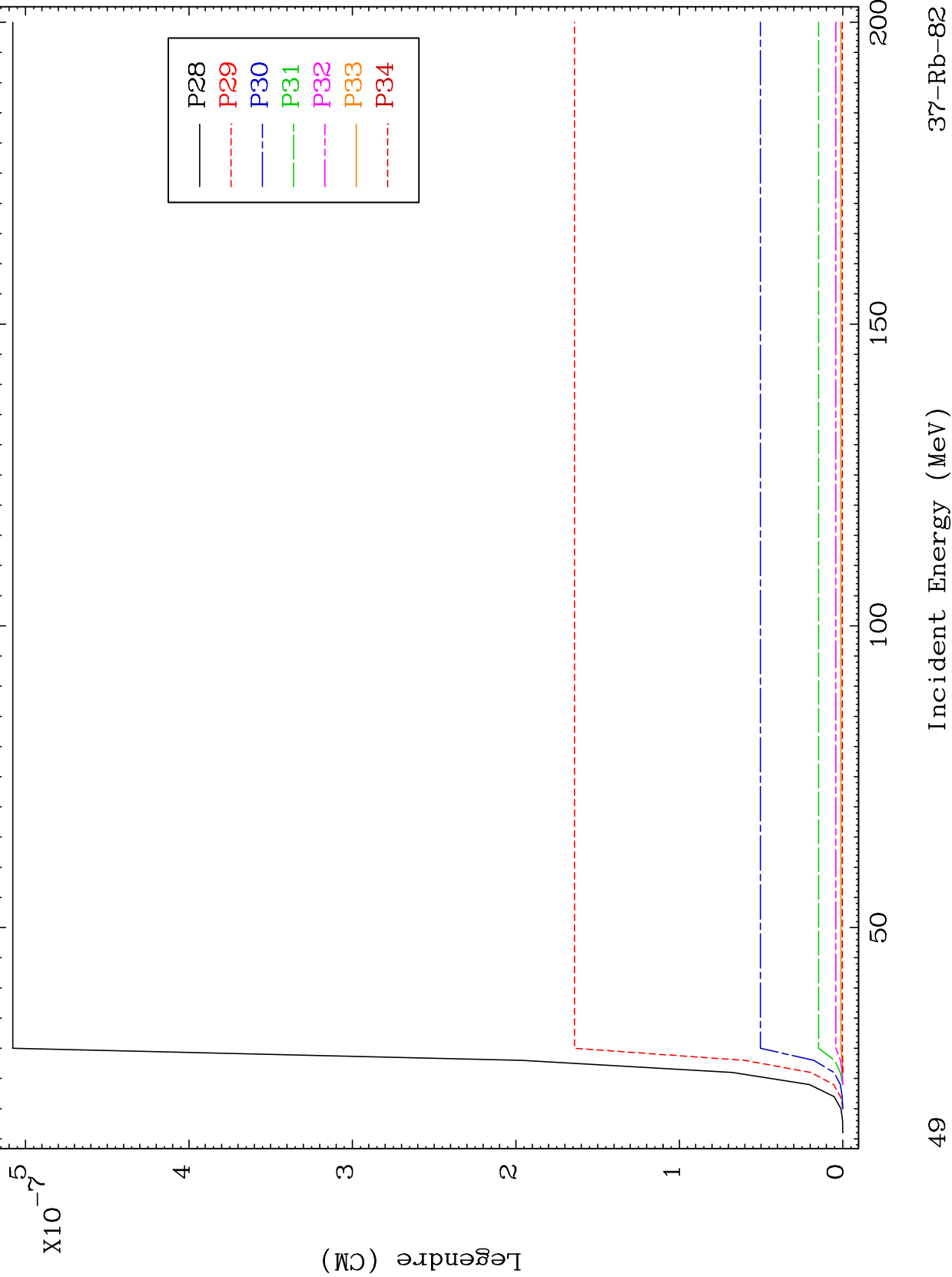
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

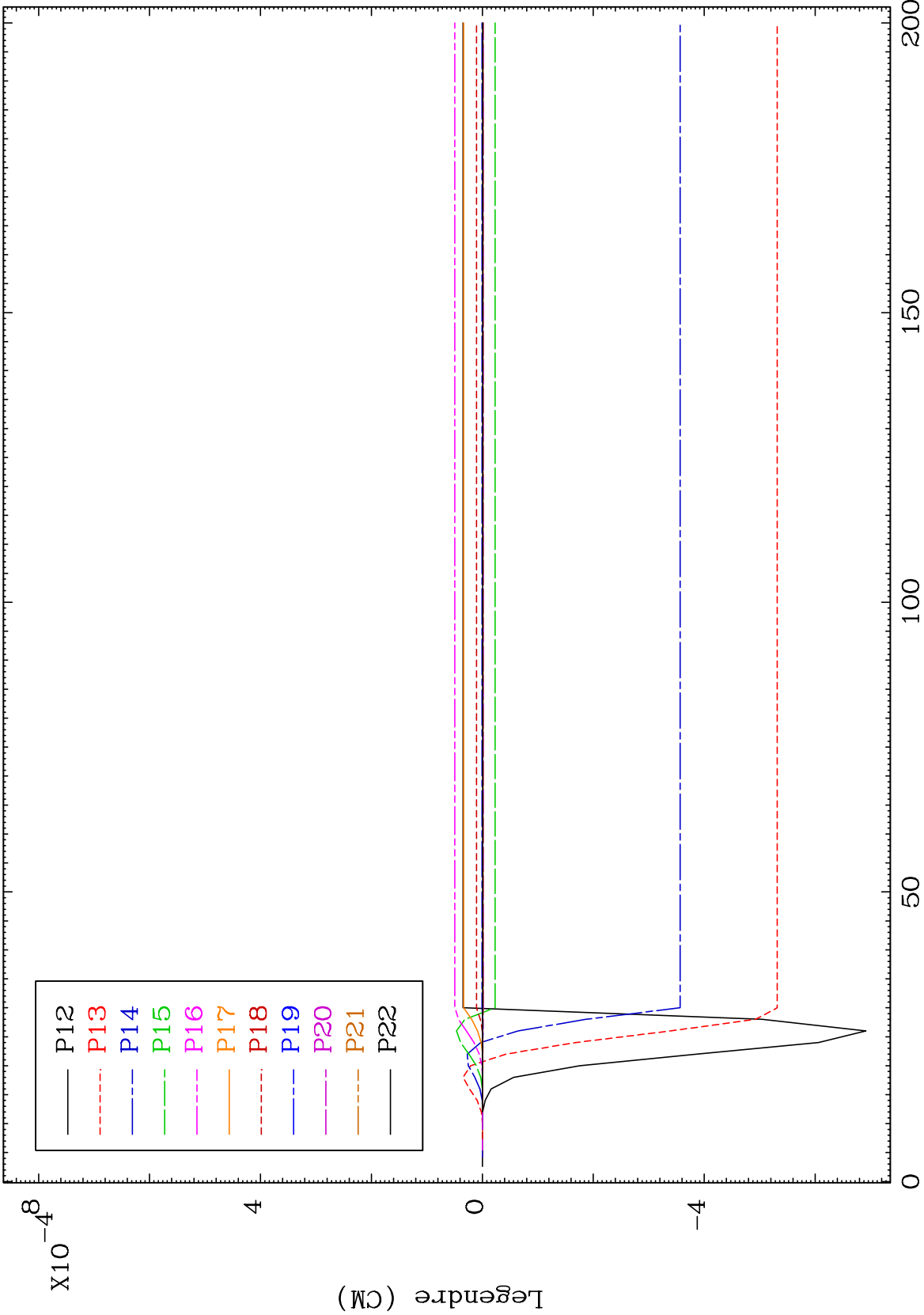
37-Rb-82



MAT 3716

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

37-Rb-82



51

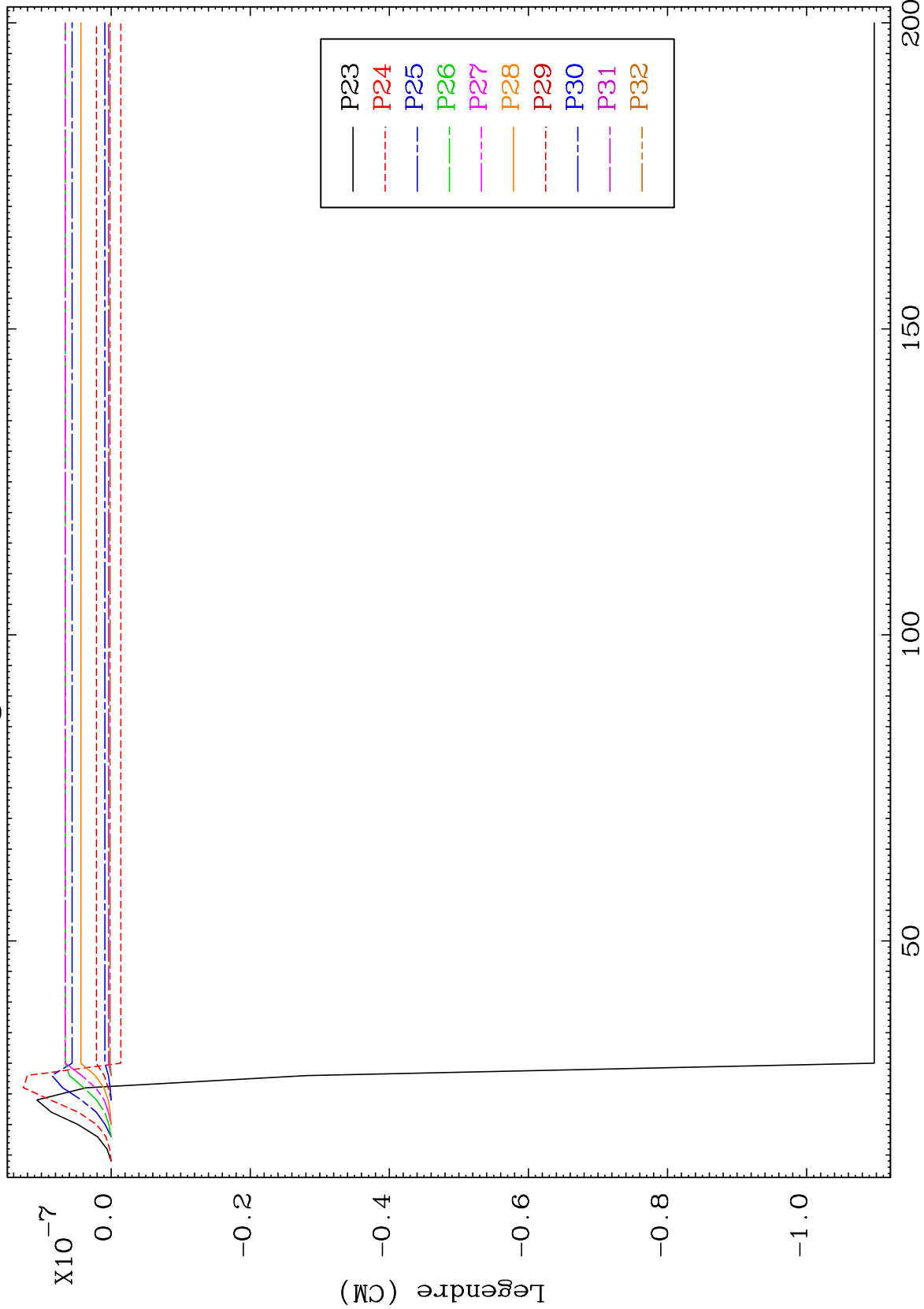
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

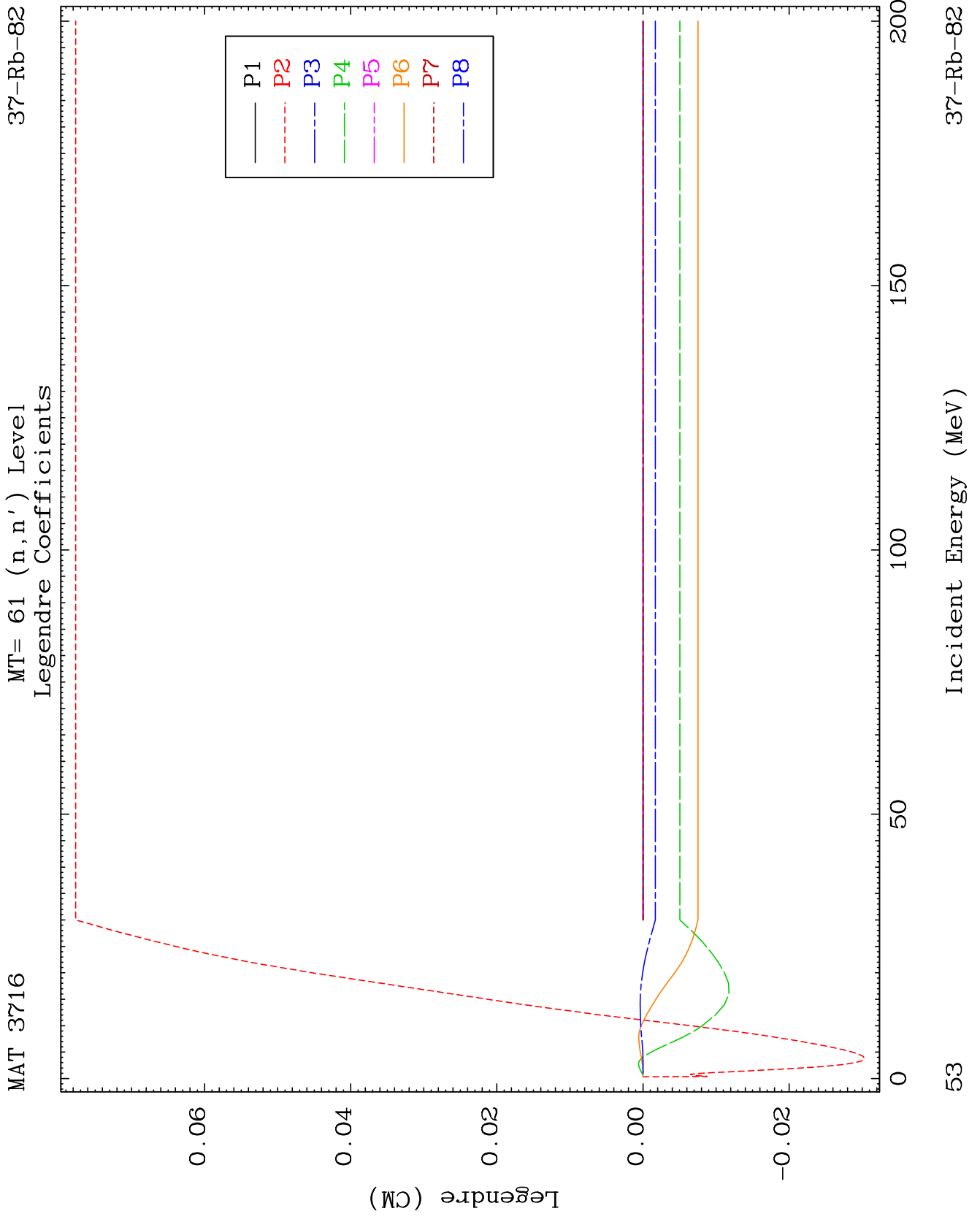
37-Rb-82



52

Incident Energy (MeV)

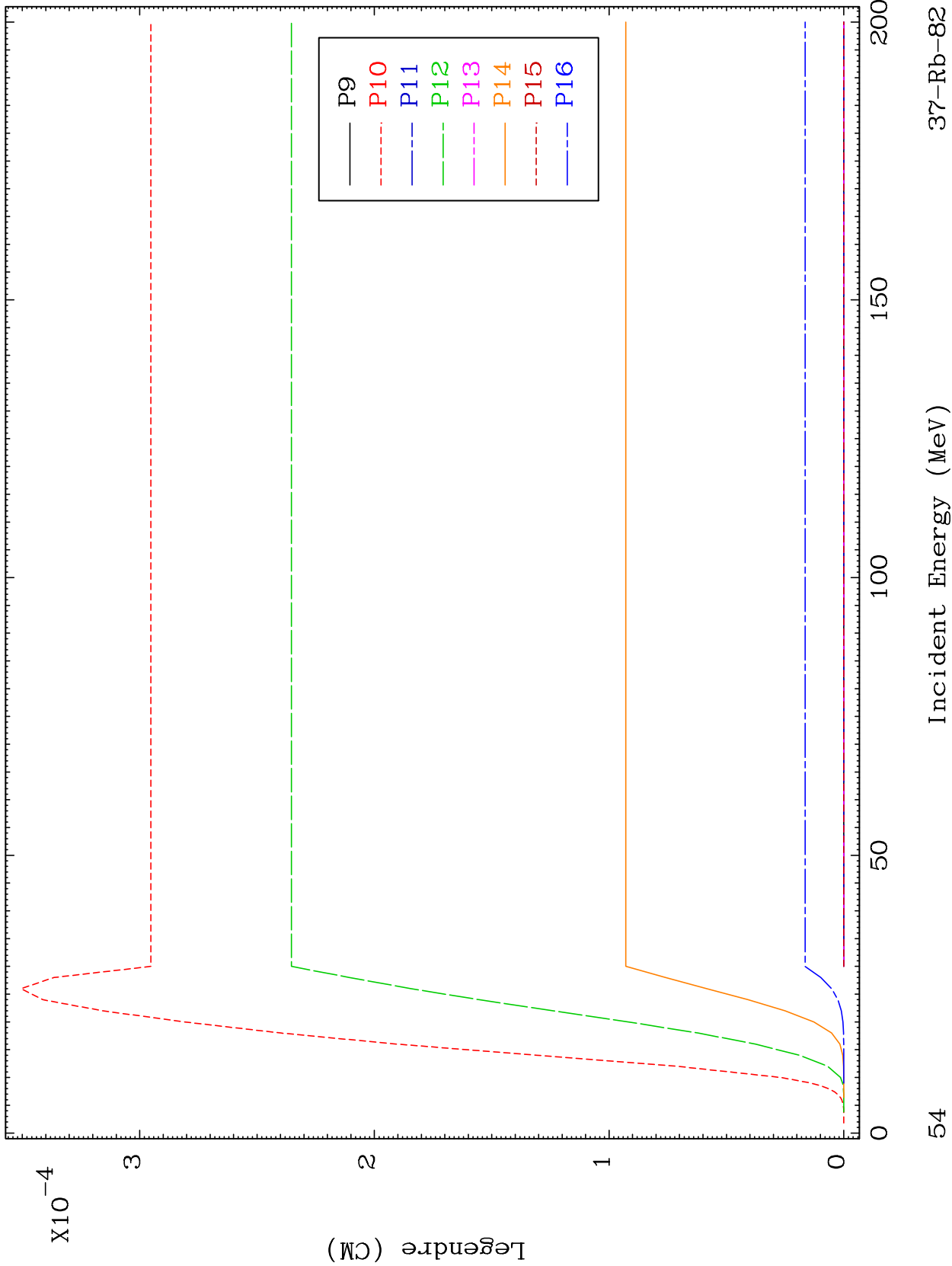
37-Rb-82



MAT 3716

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

37-Rb-82



54

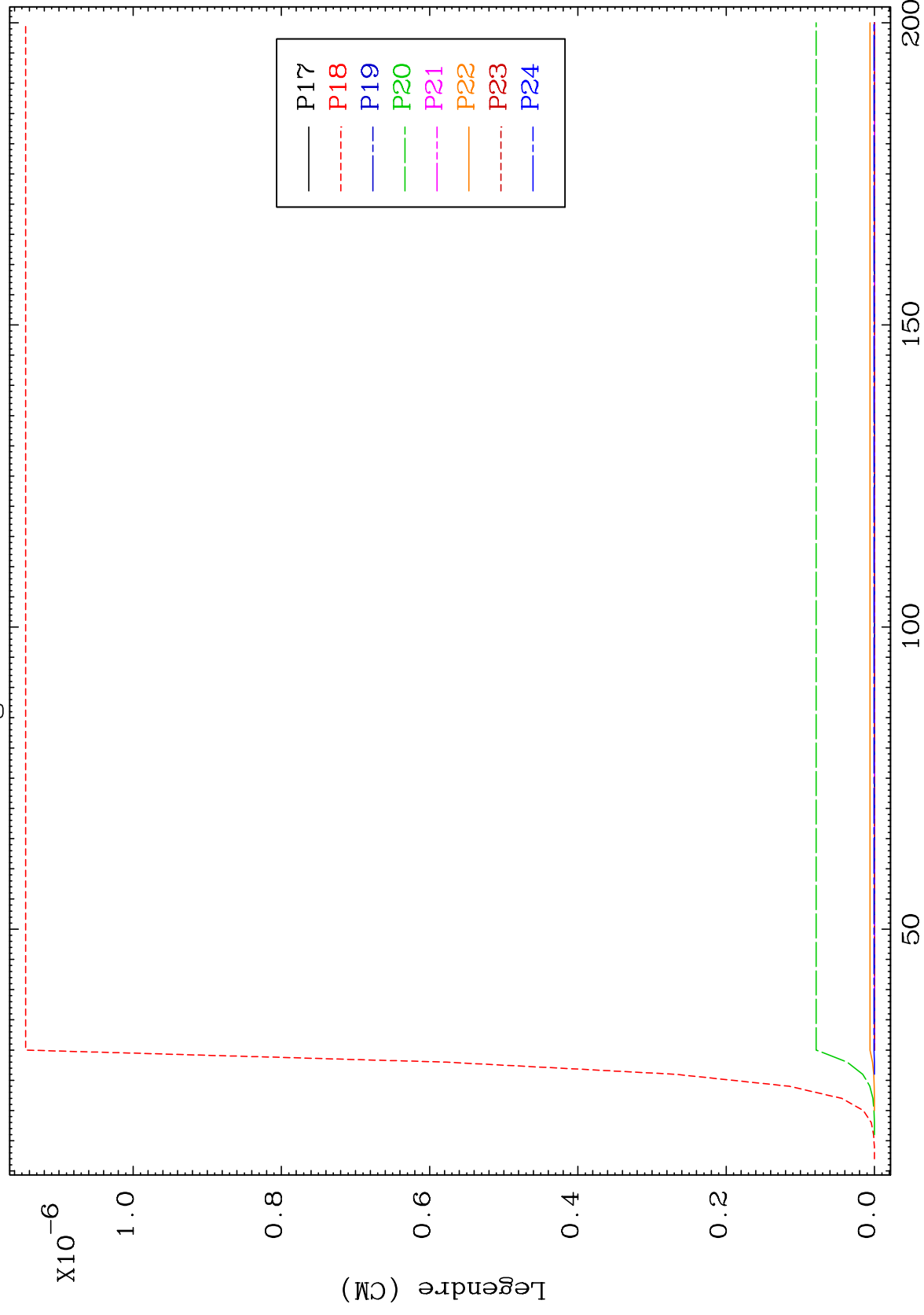
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



37-Rb-82

Incident Energy (MeV)

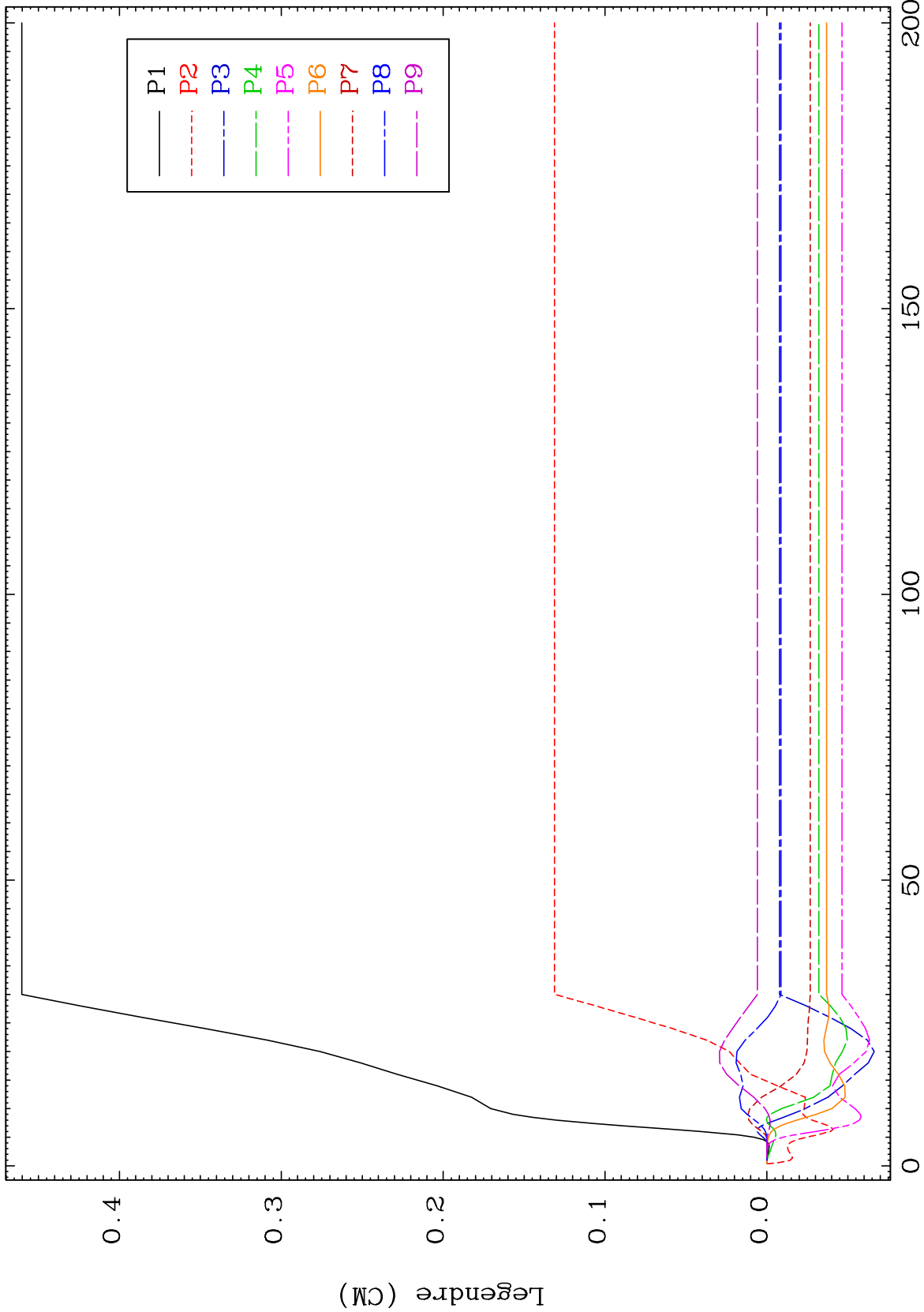
55

MAT 3716

MT= 62 (n,n') Level

37-Rb-82

Legendre Coefficients



56

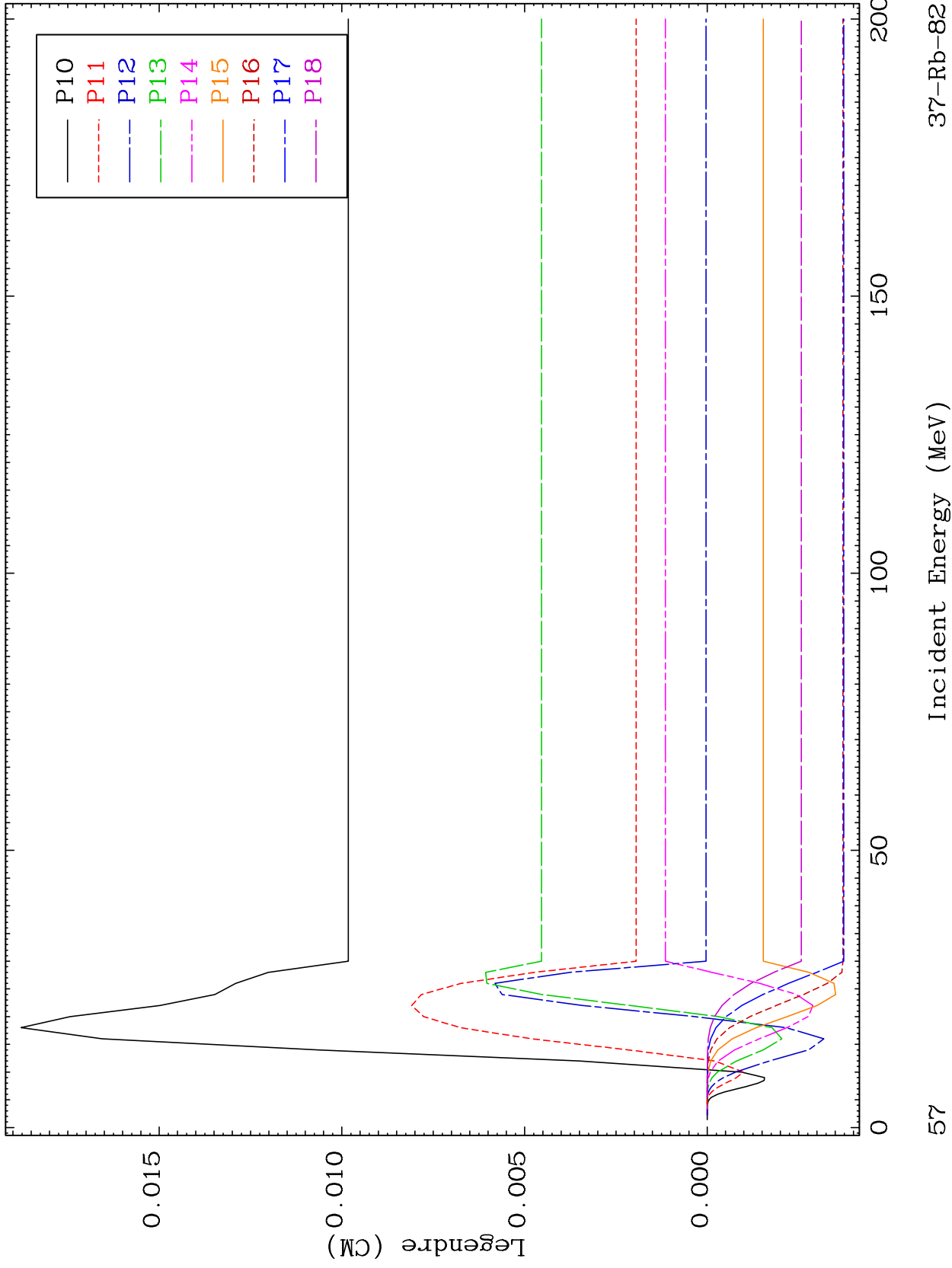
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82

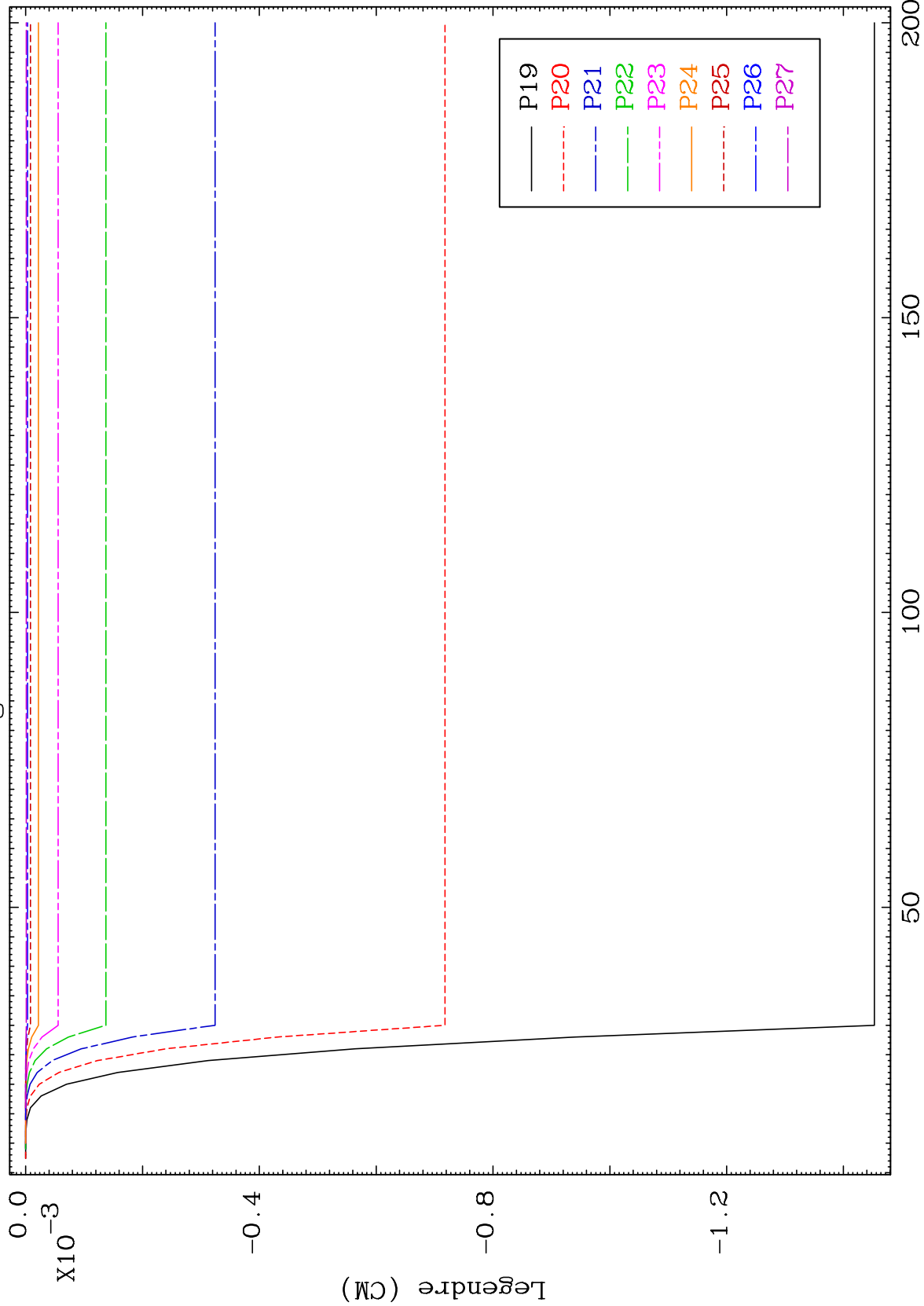


MAT 3716

MT= 62 (n,n') Level

37-Rb-82

Legendre Coefficients



58

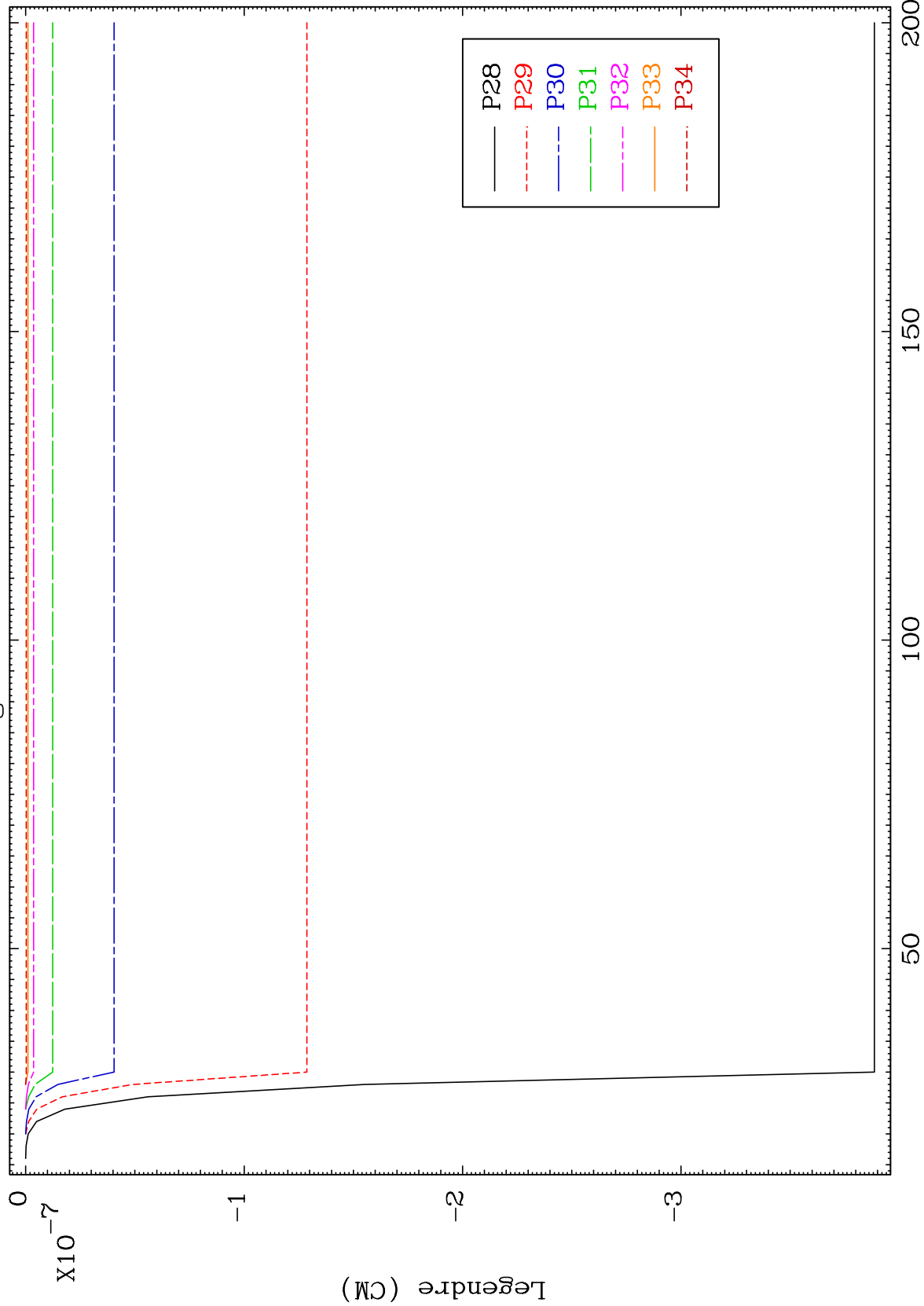
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



59

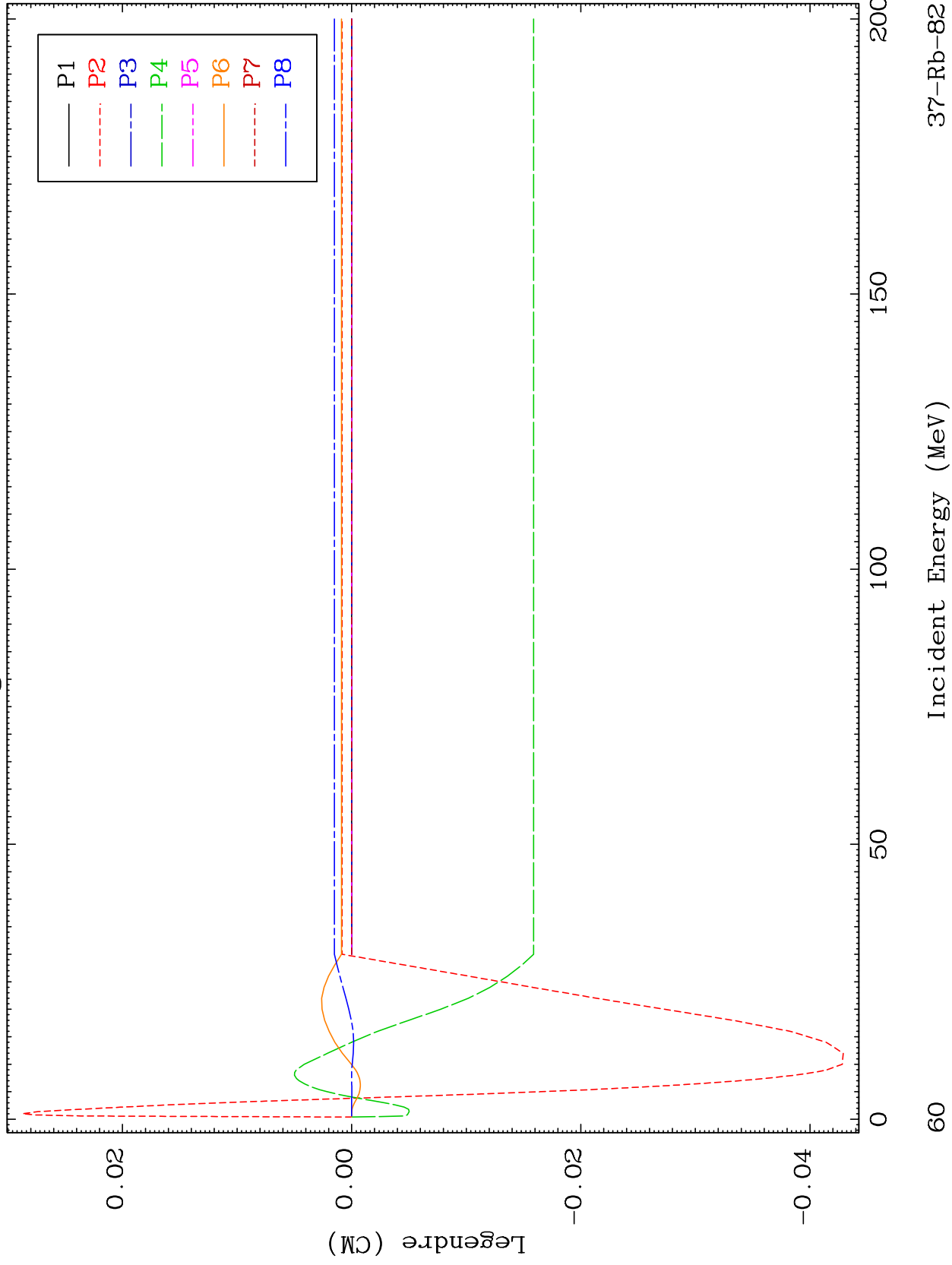
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

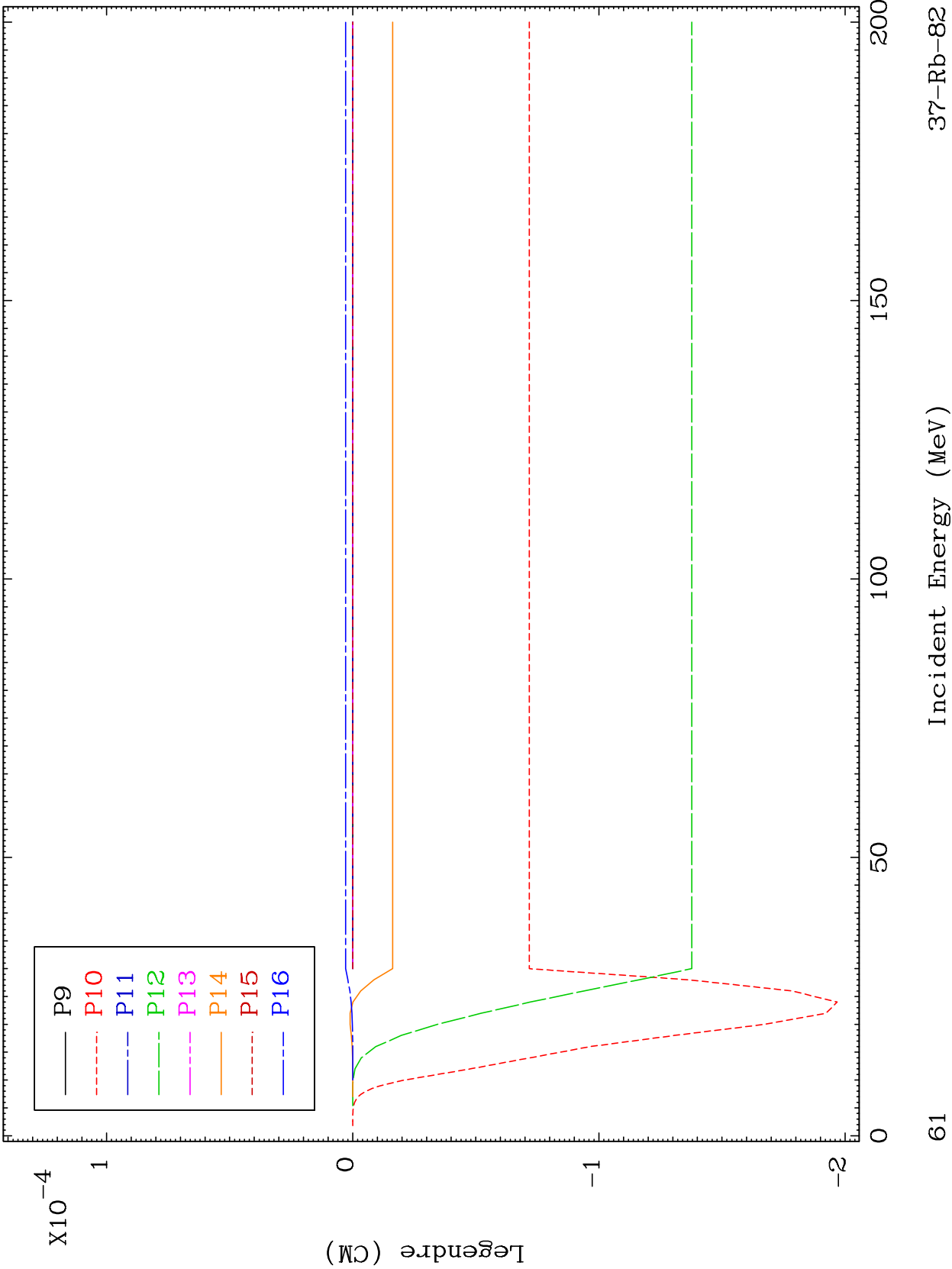
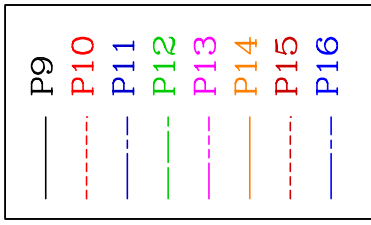
37-Rb-82



MAT 3716

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

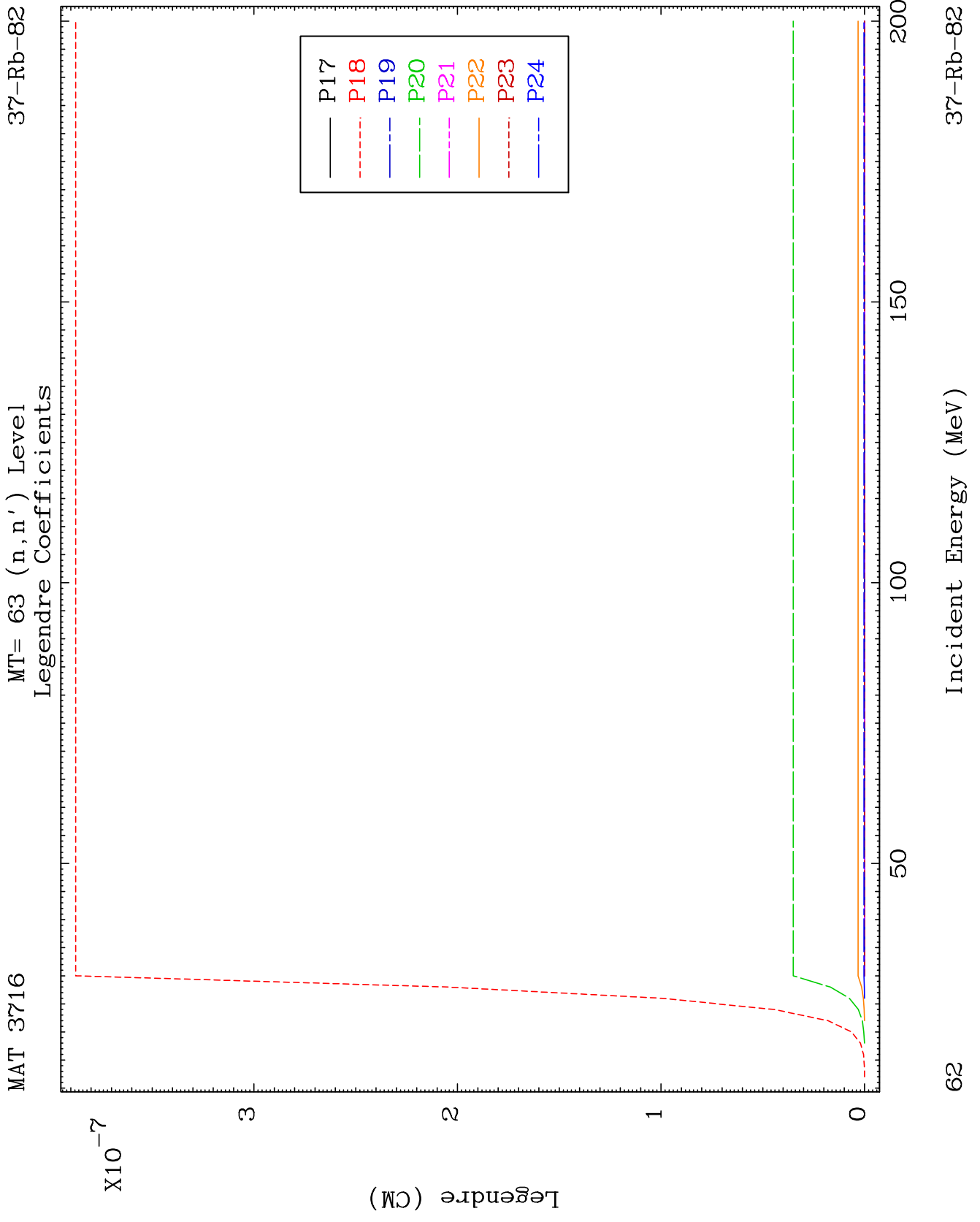
37-Rb-82



61

Incident Energy (MeV)

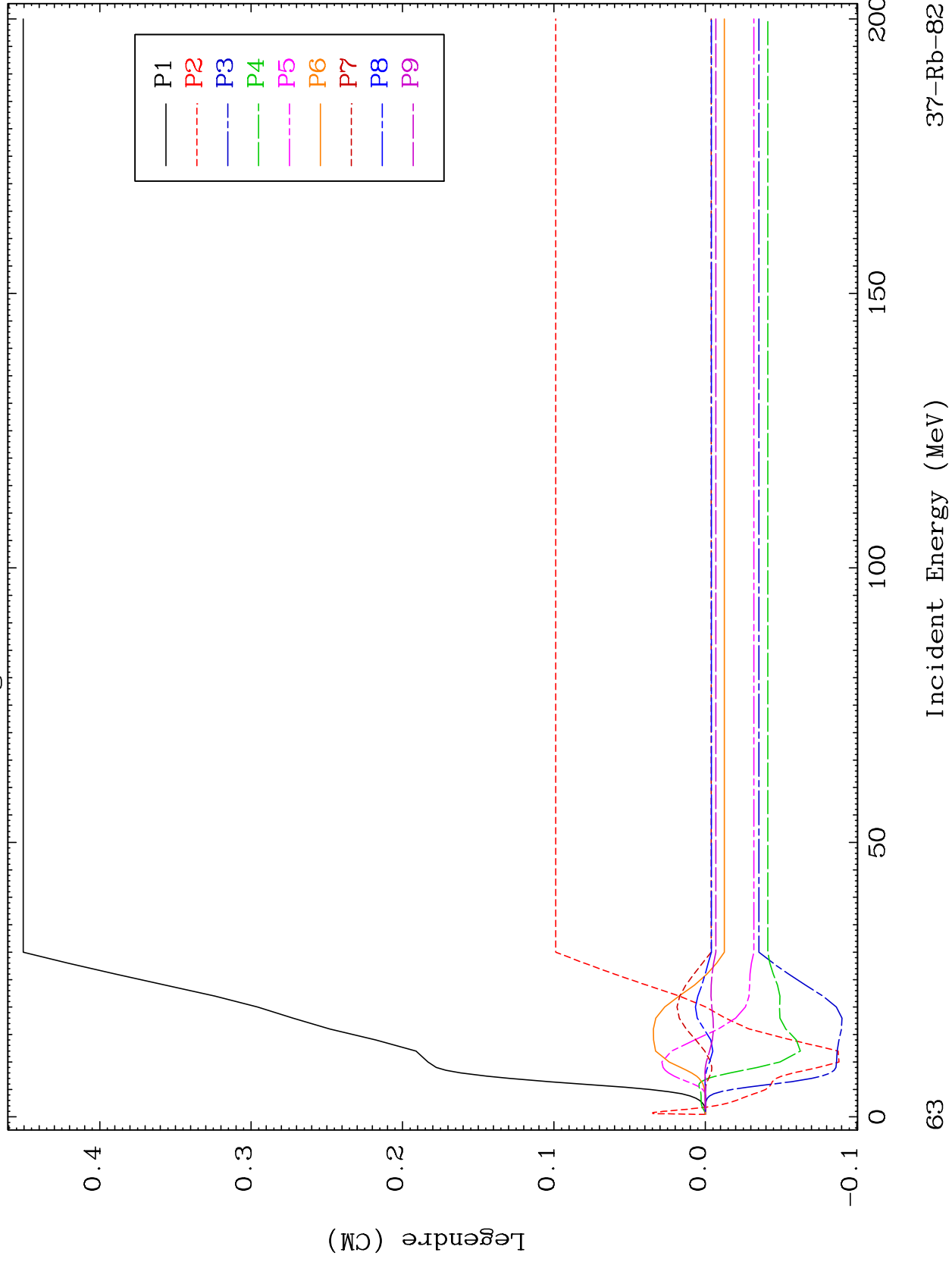
37-Rb-82



MAT 3716

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

37-Rb-82



37-Rb-82

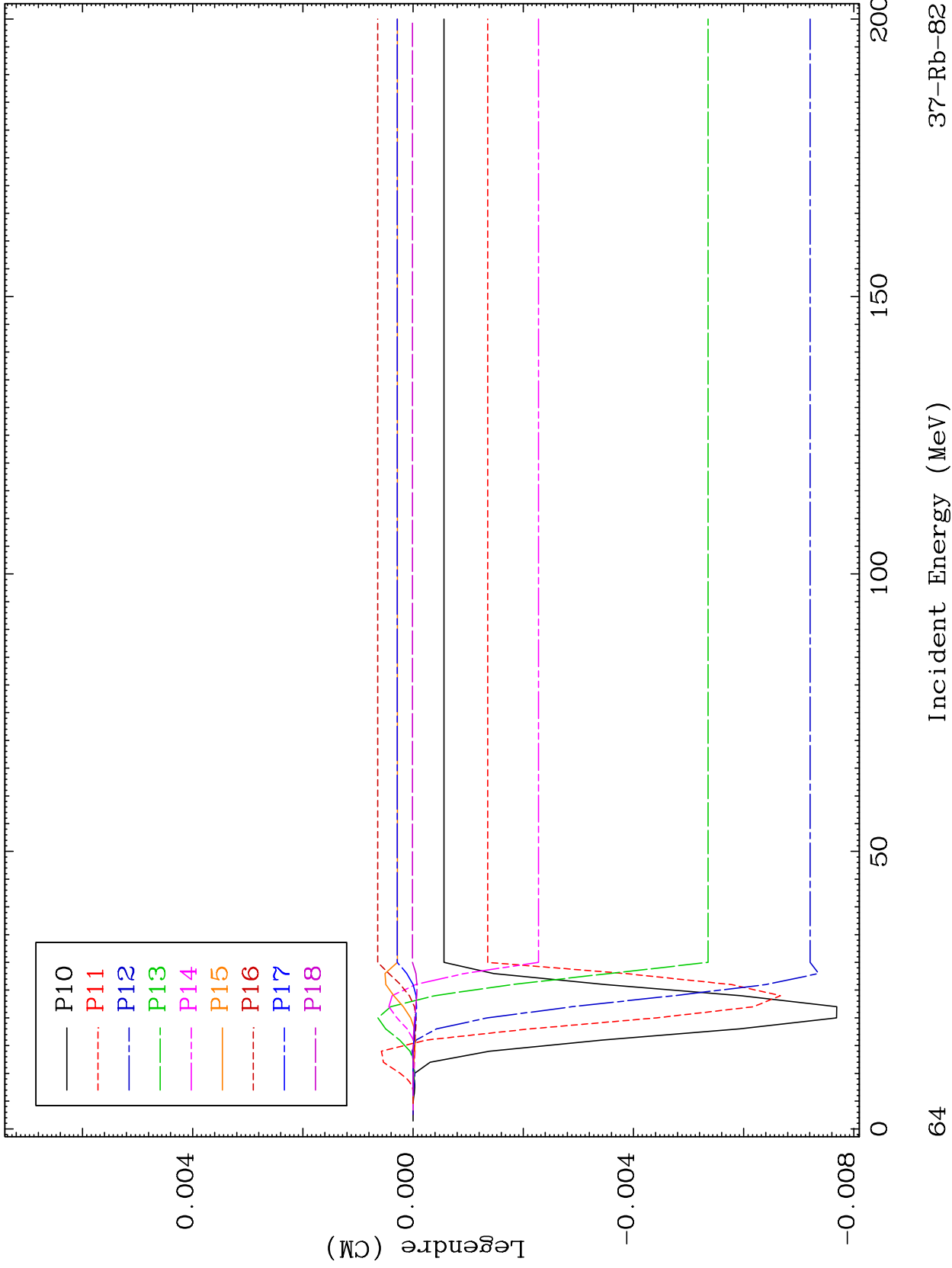
Incident Energy (MeV)

63

MAT 3716

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

37-Rb-82



64

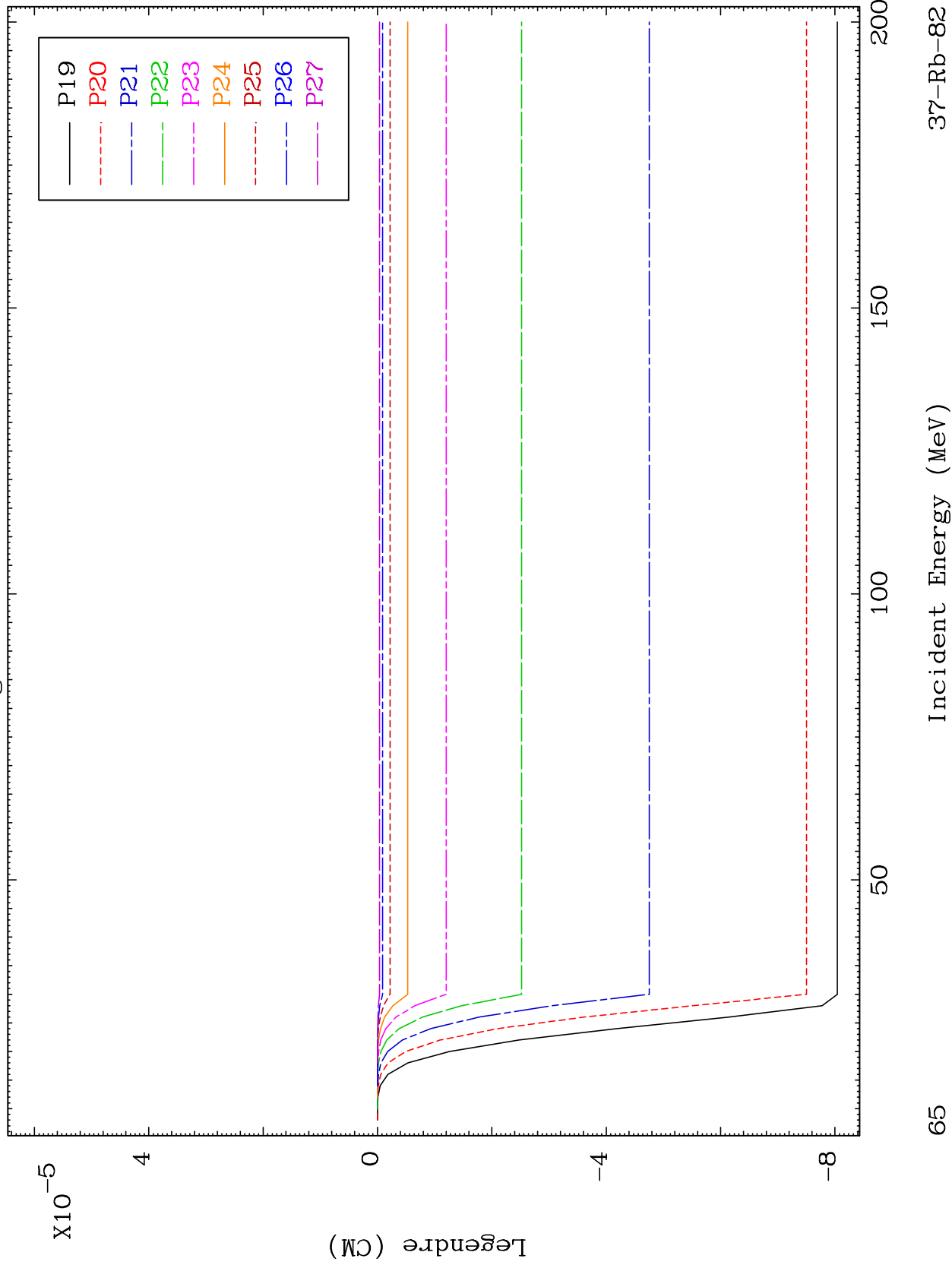
Incident Energy (MeV)

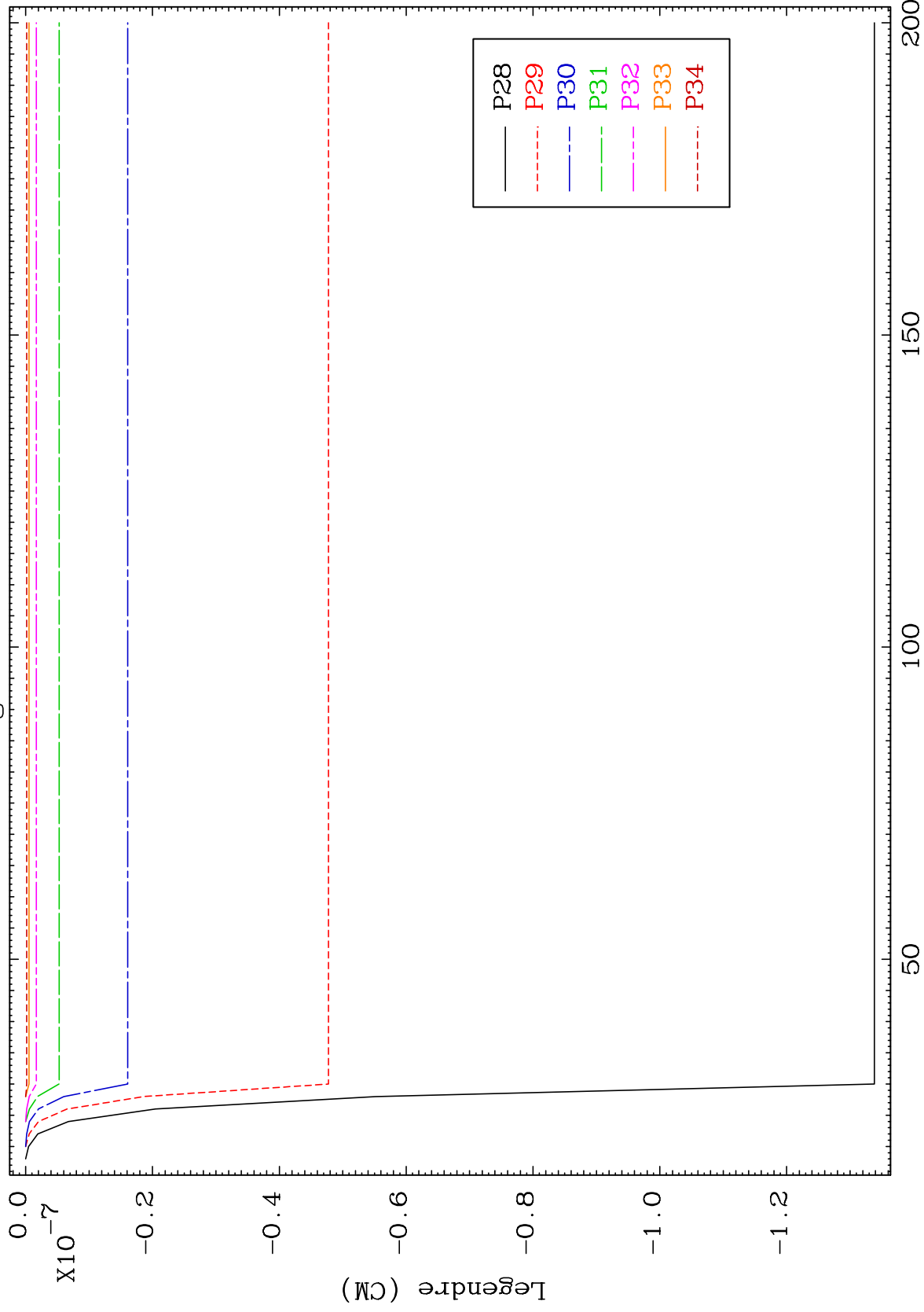
37-Rb-82

MAT 3716

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

37-Rb-82

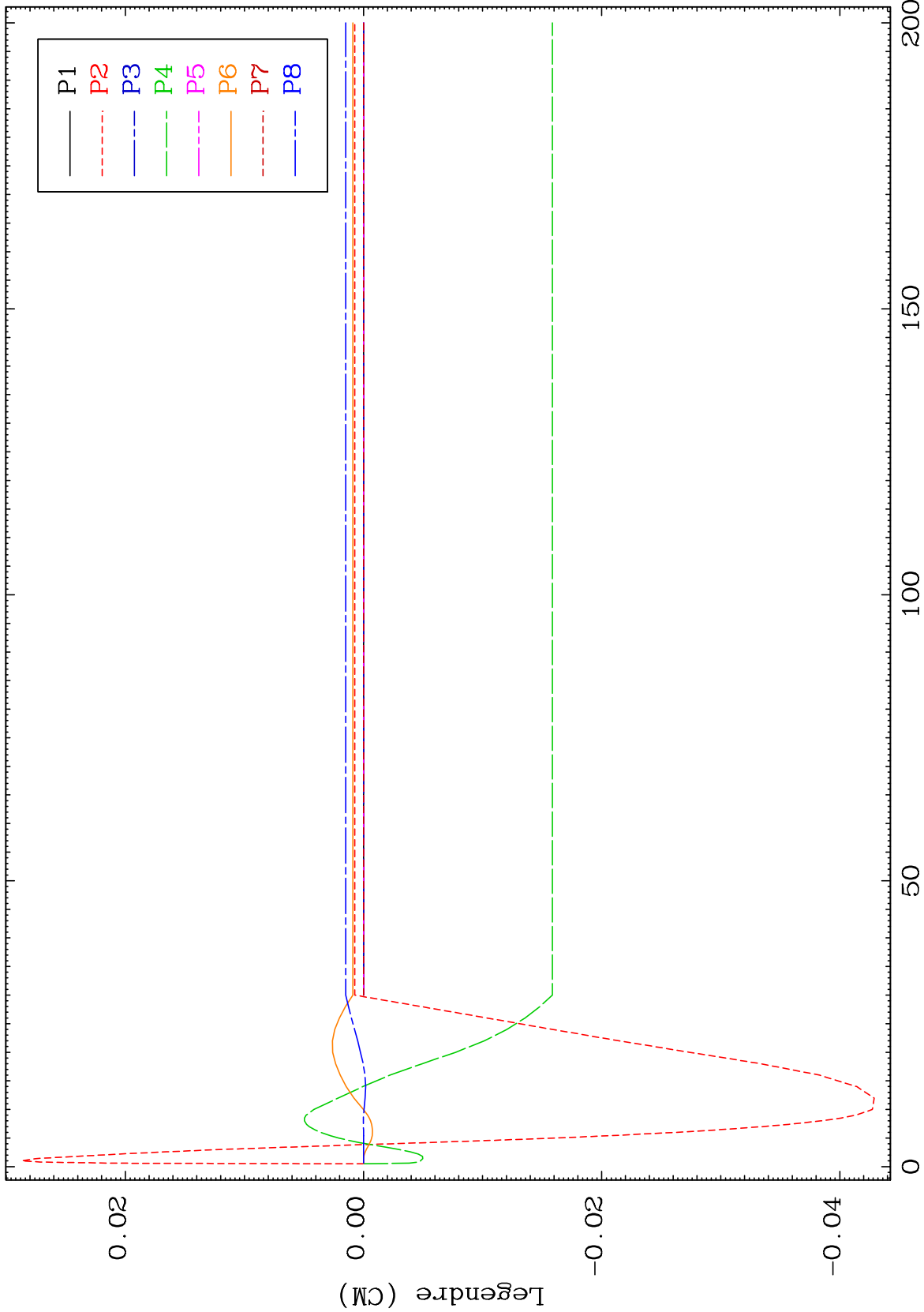




MAT 3716

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

37-Rb-82



67

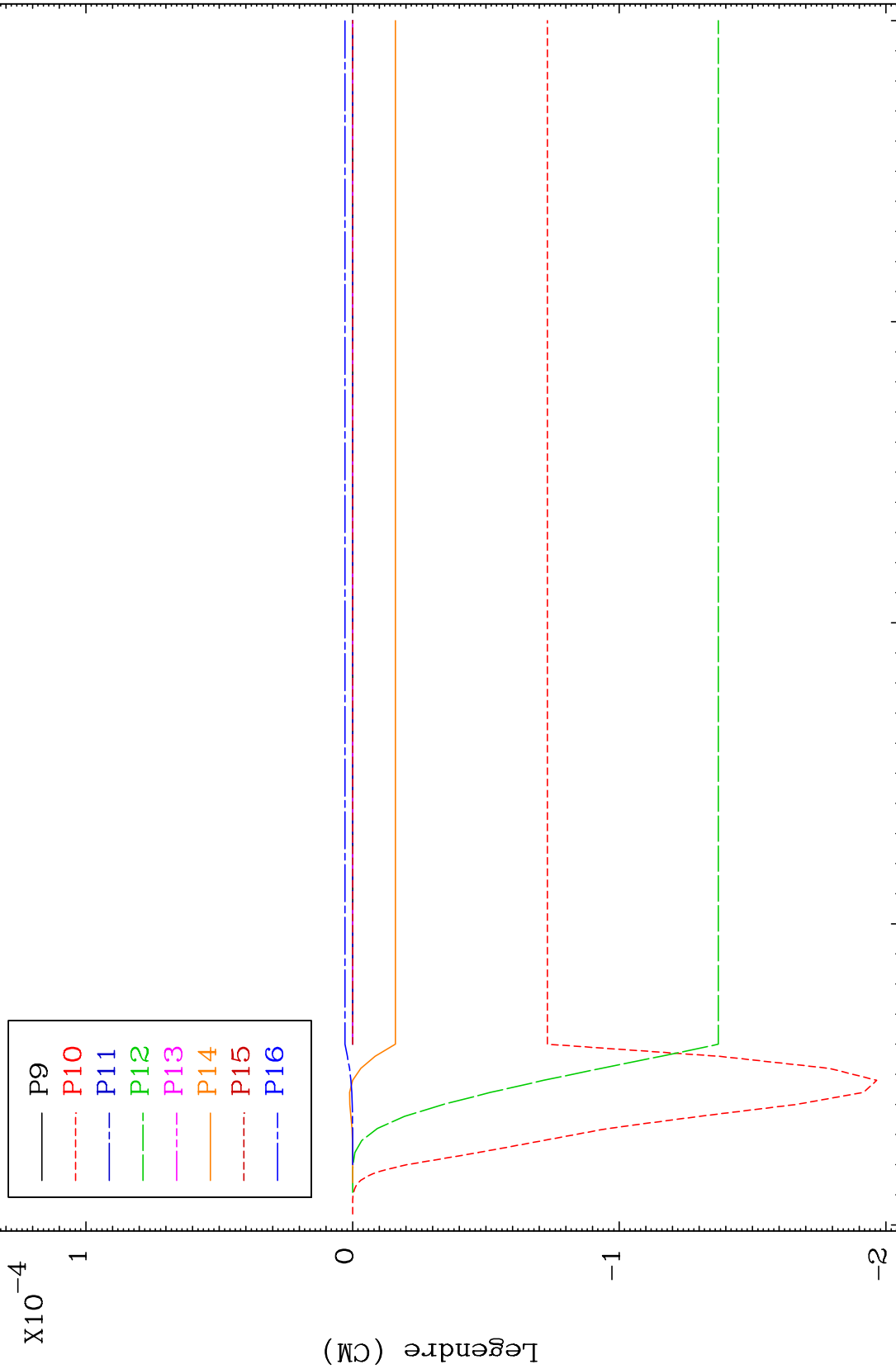
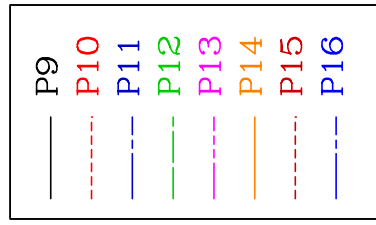
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



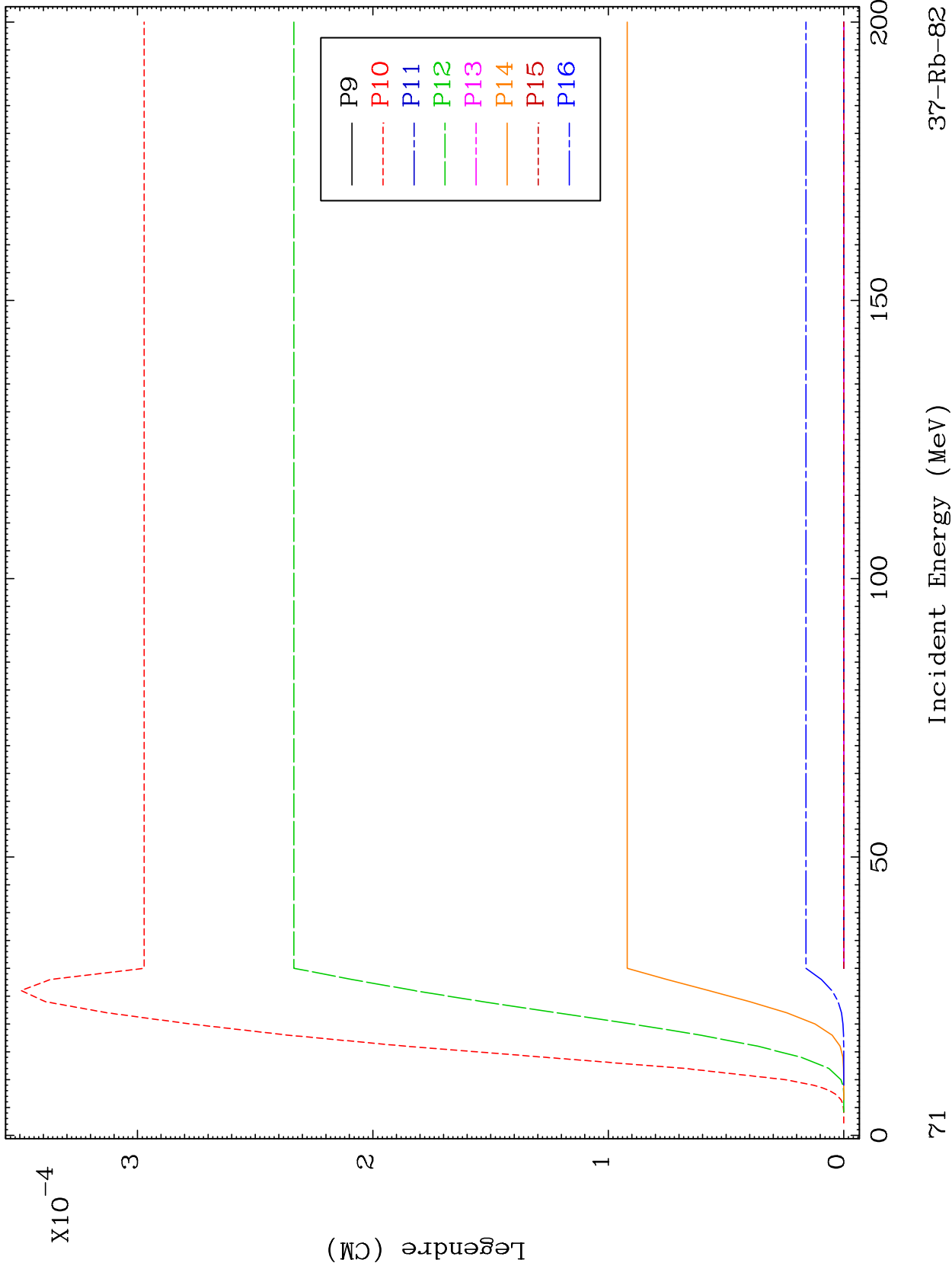
68 37-Rb-82

Incident Energy (MeV)

MAT 3716

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

37-Rb-82



71

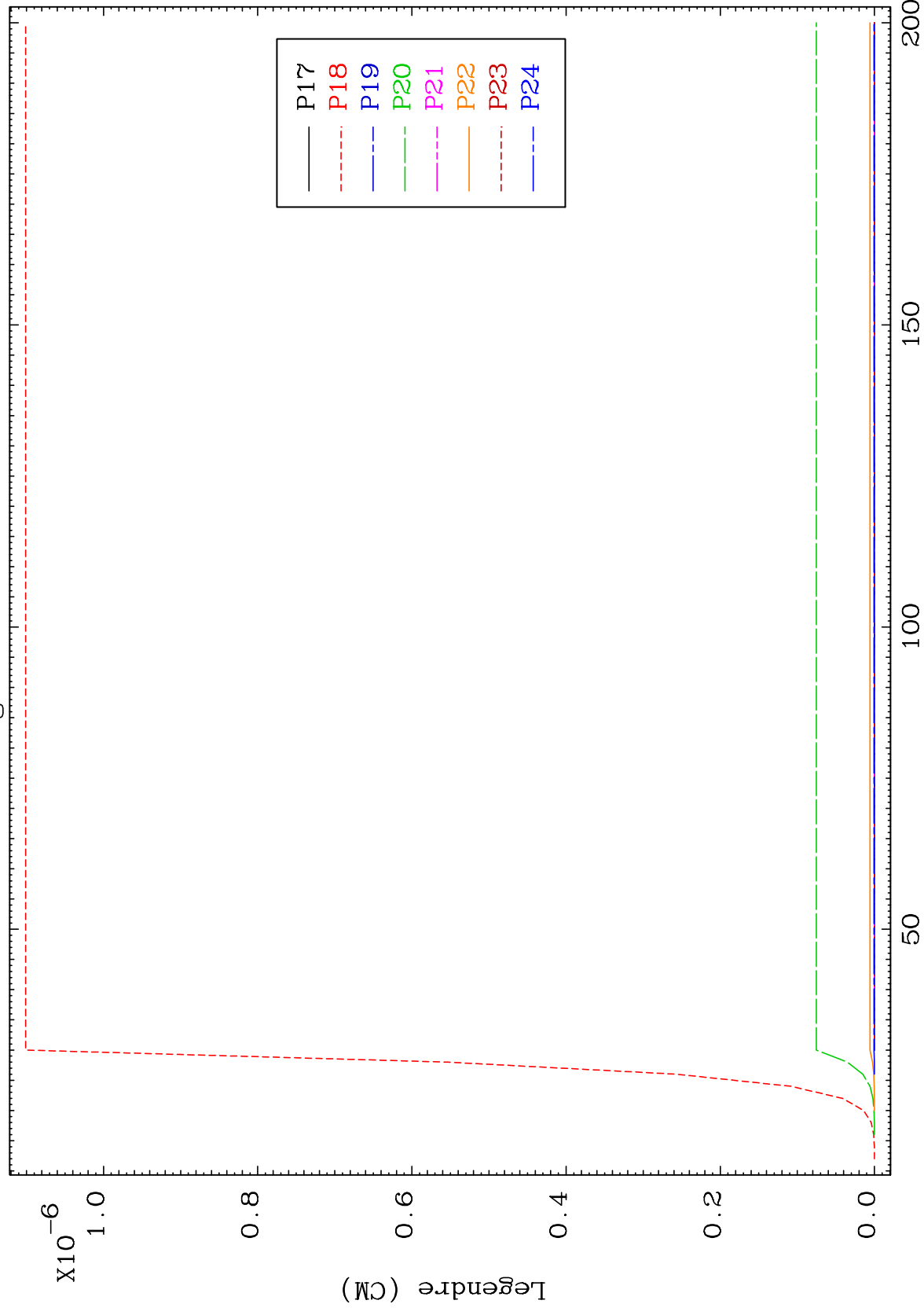
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

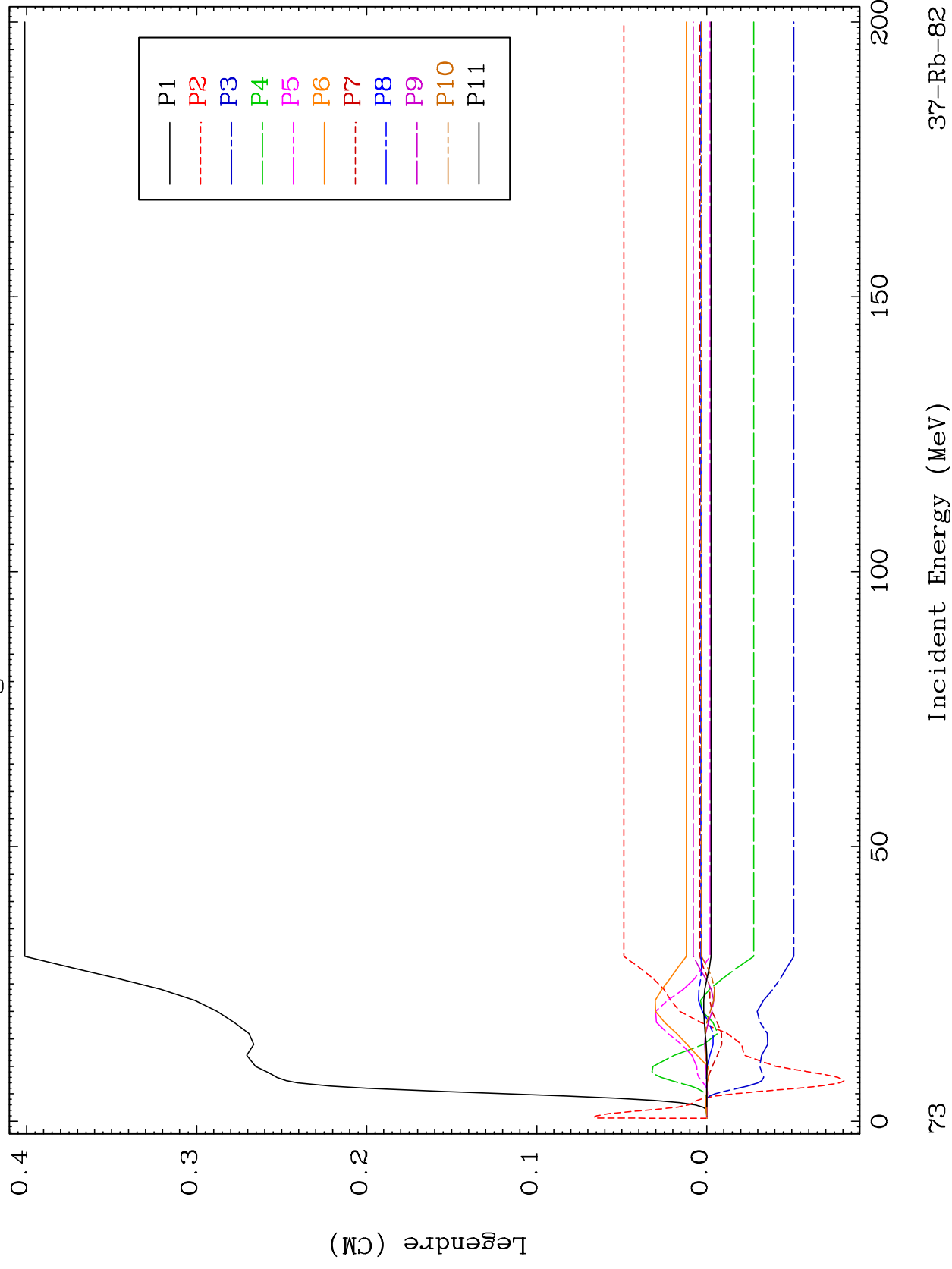
37-Rb-82



72

Incident Energy (MeV)

37-Rb-82

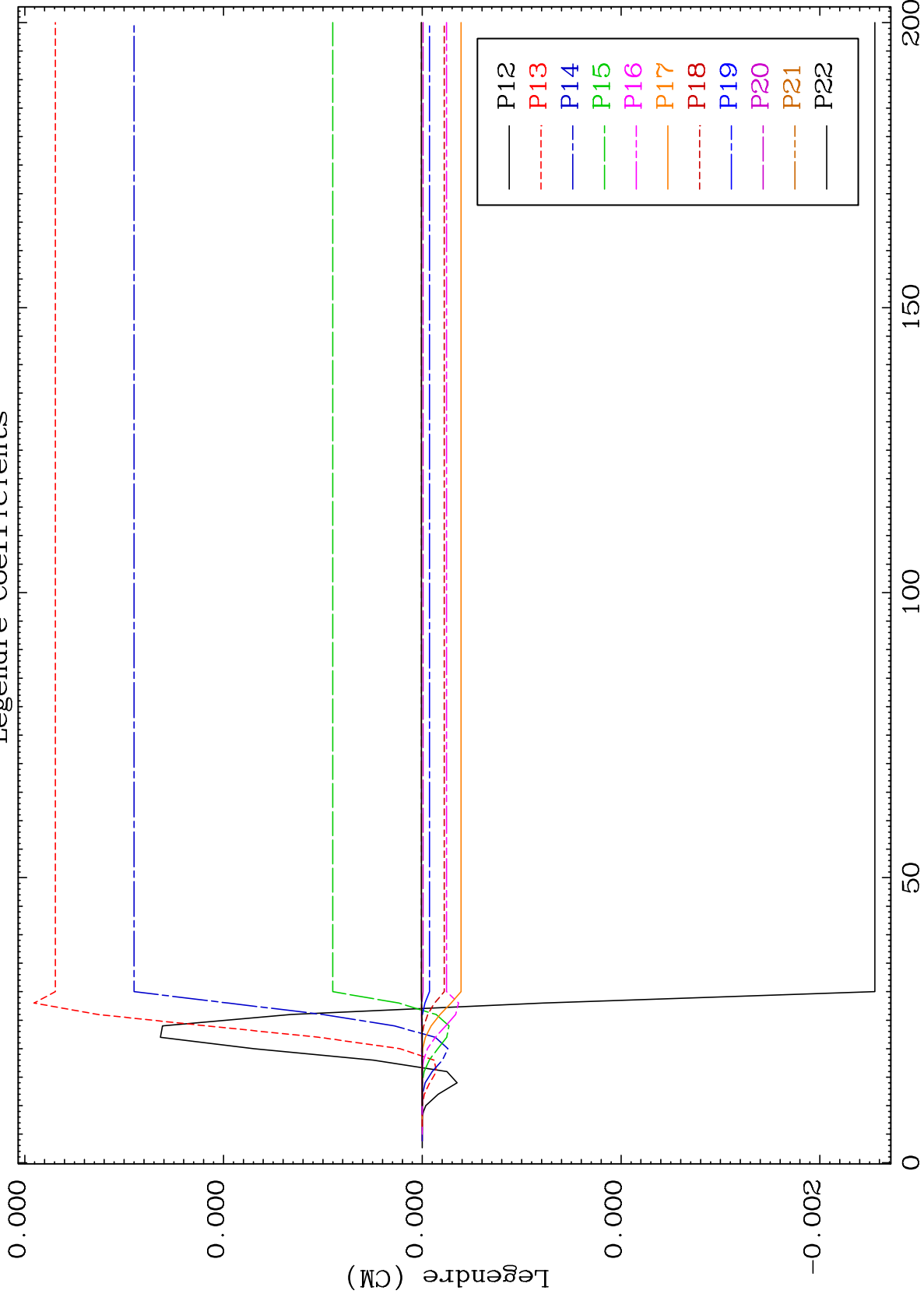


MAT 3716

MT= 67 (n,n') Level

37-Rb-82

Legendre Coefficients



74

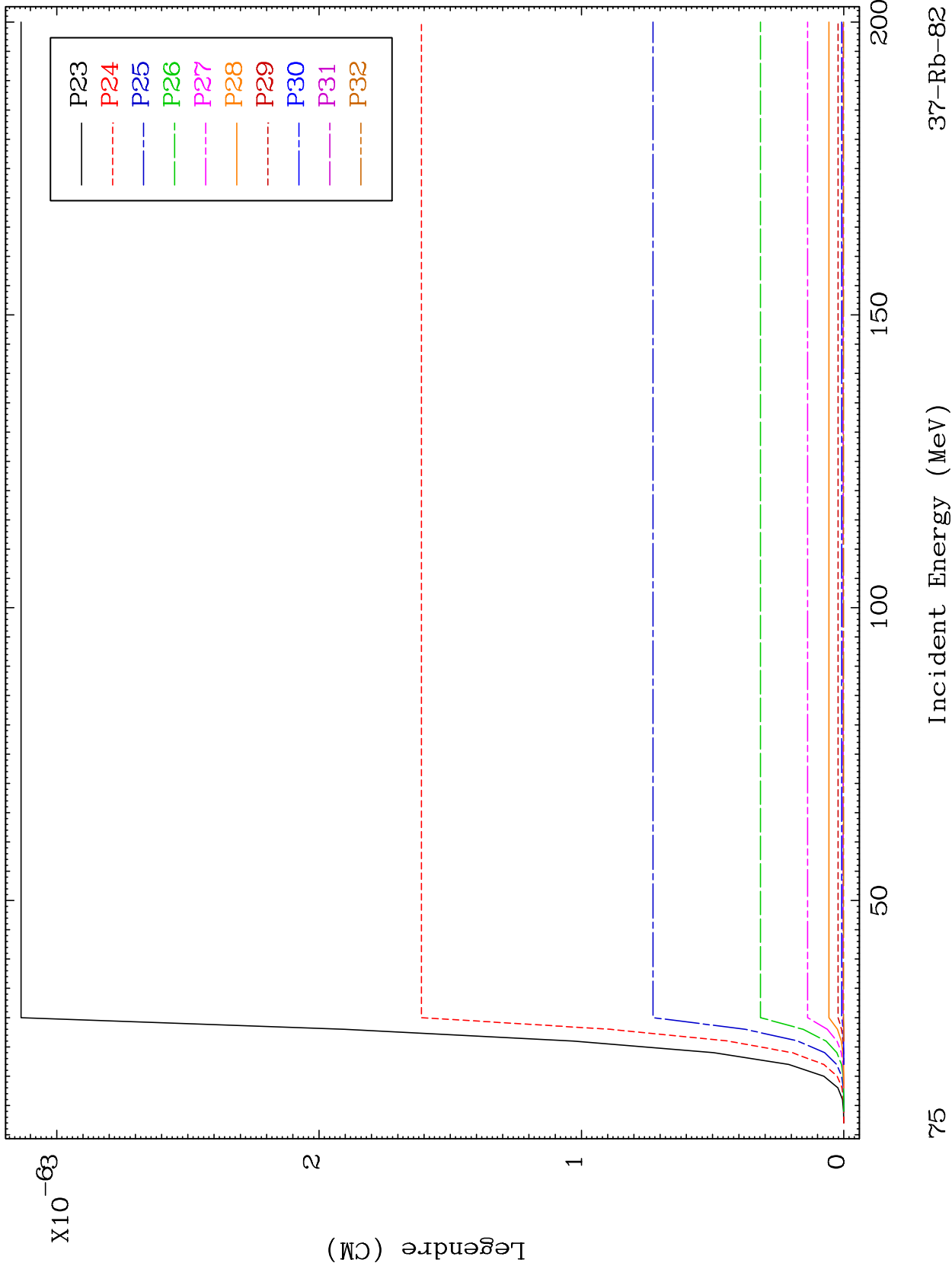
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



75

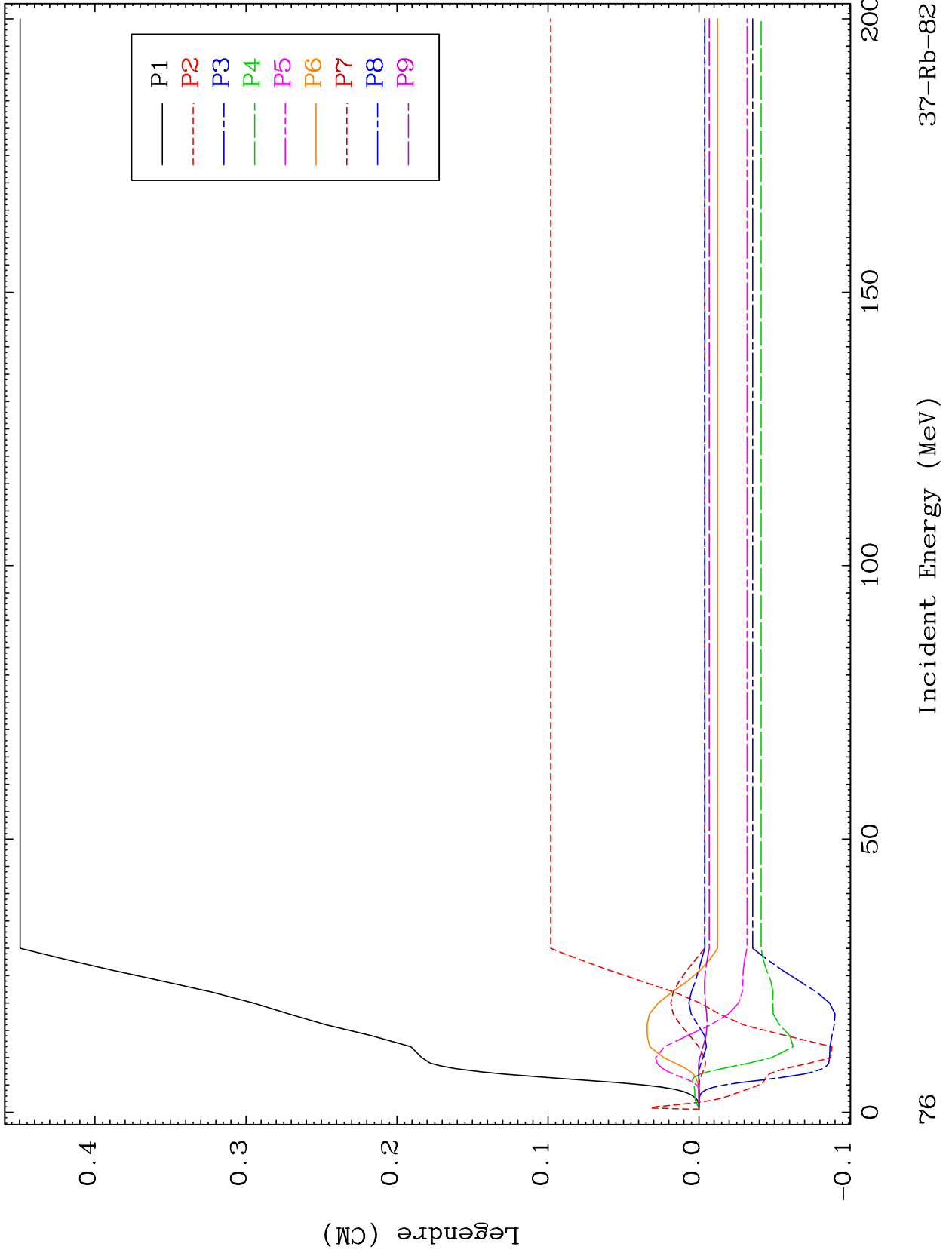
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



37-Rb-82

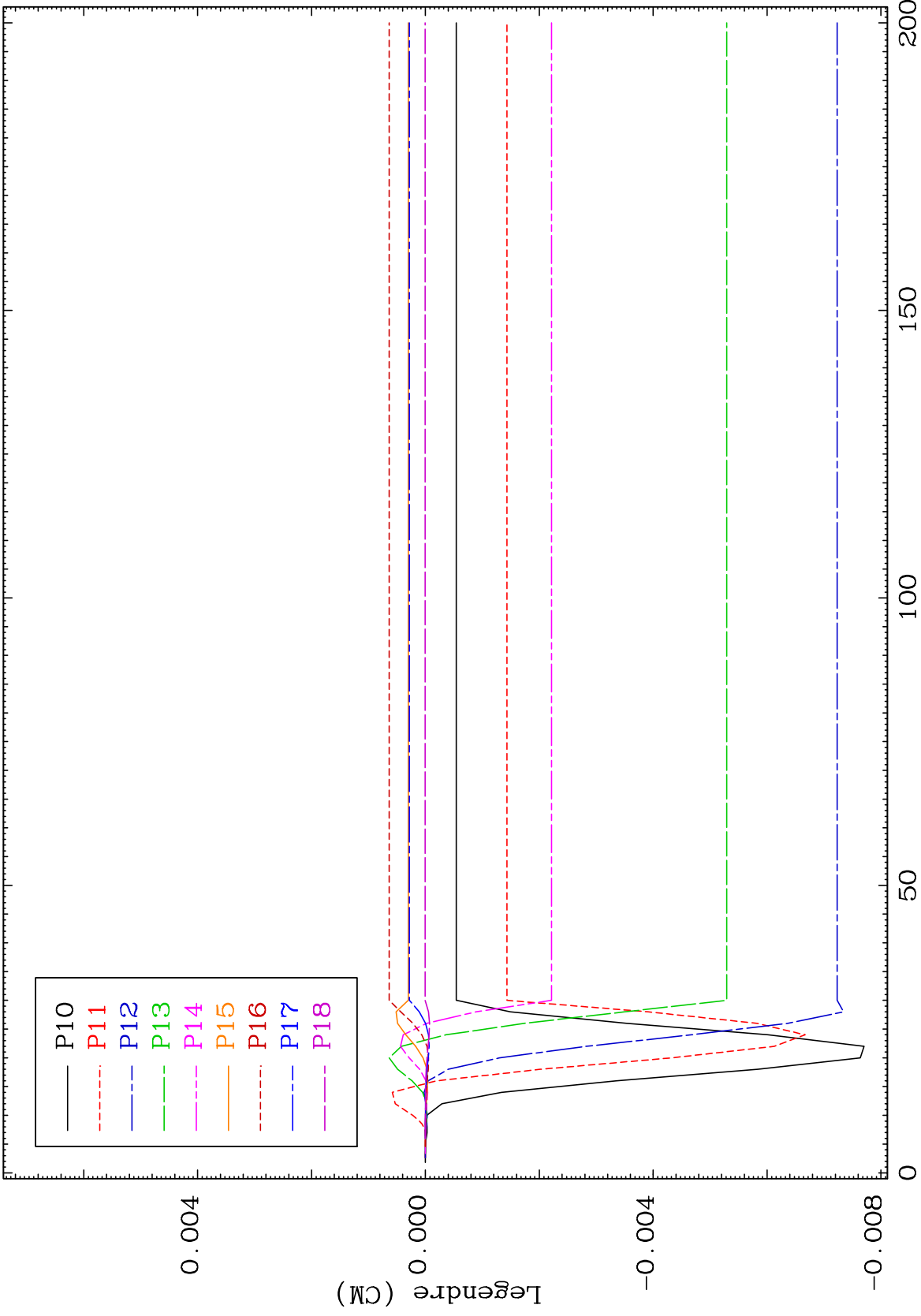
Incident Energy (MeV)

76

MAT 3716

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

37-Rb-82



77

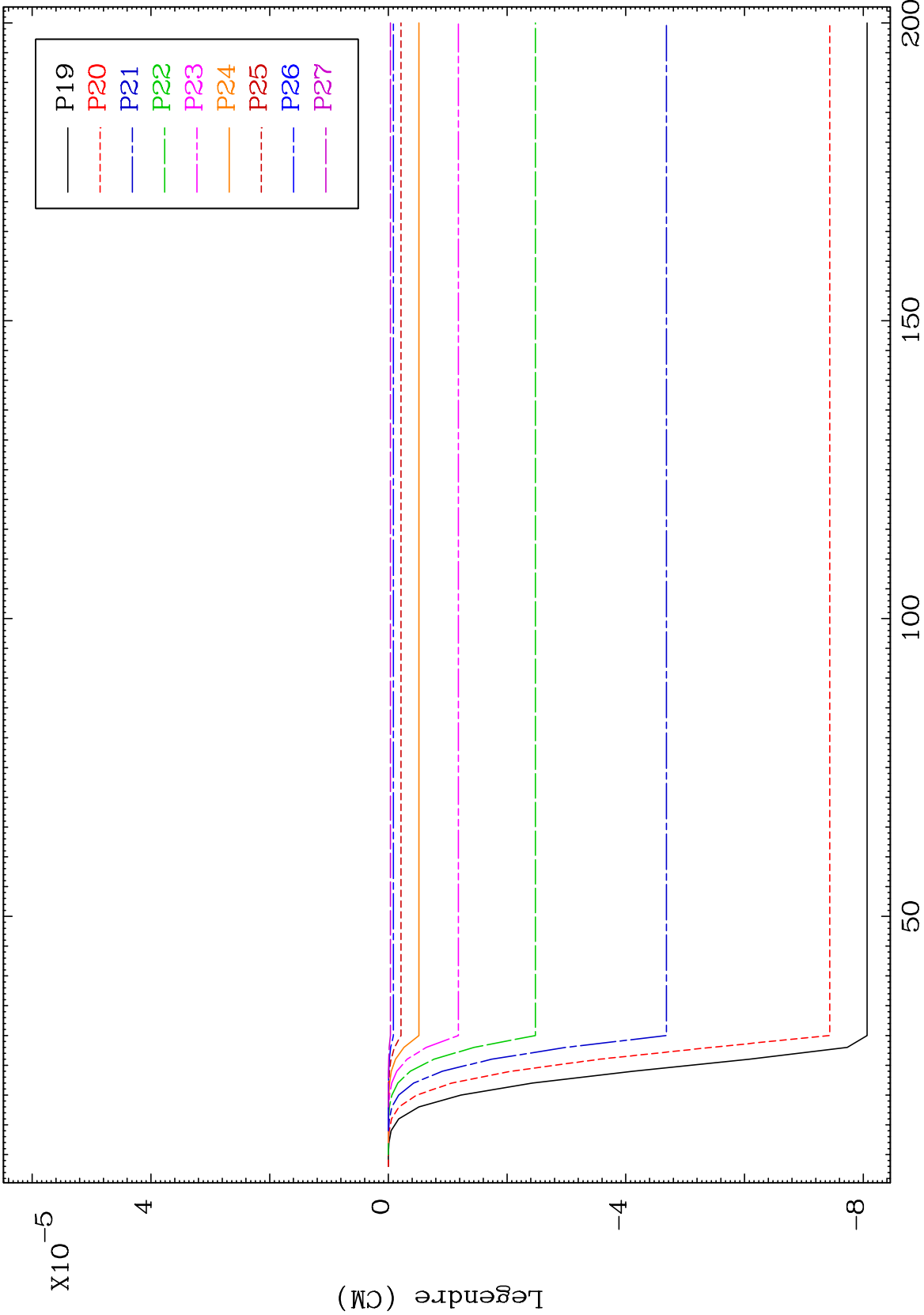
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



78

Incident Energy (MeV)

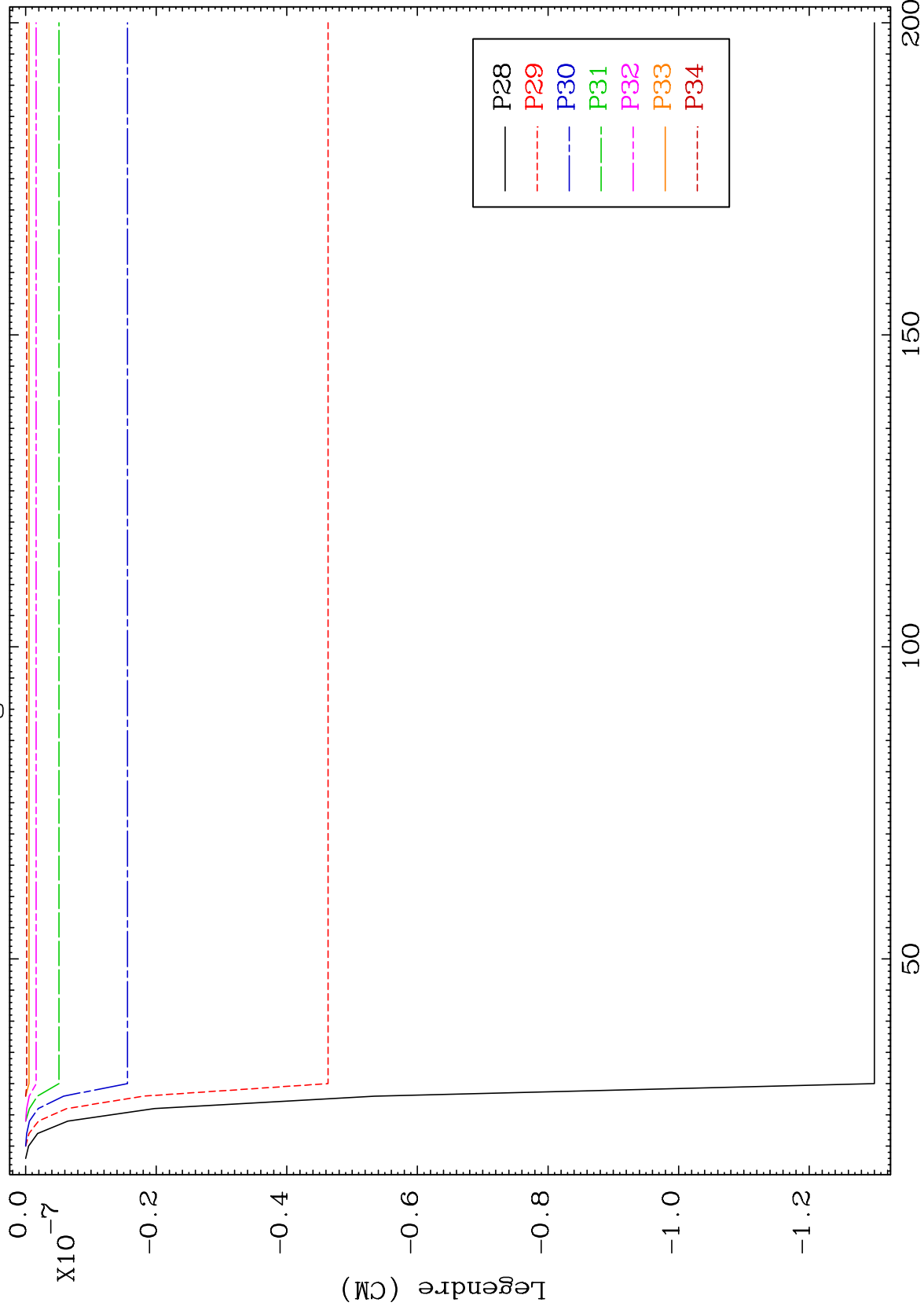
37-Rb-82

MAT 3716

MT= 68 (n,n') Level

37-Rb-82

Legendre Coefficients



79

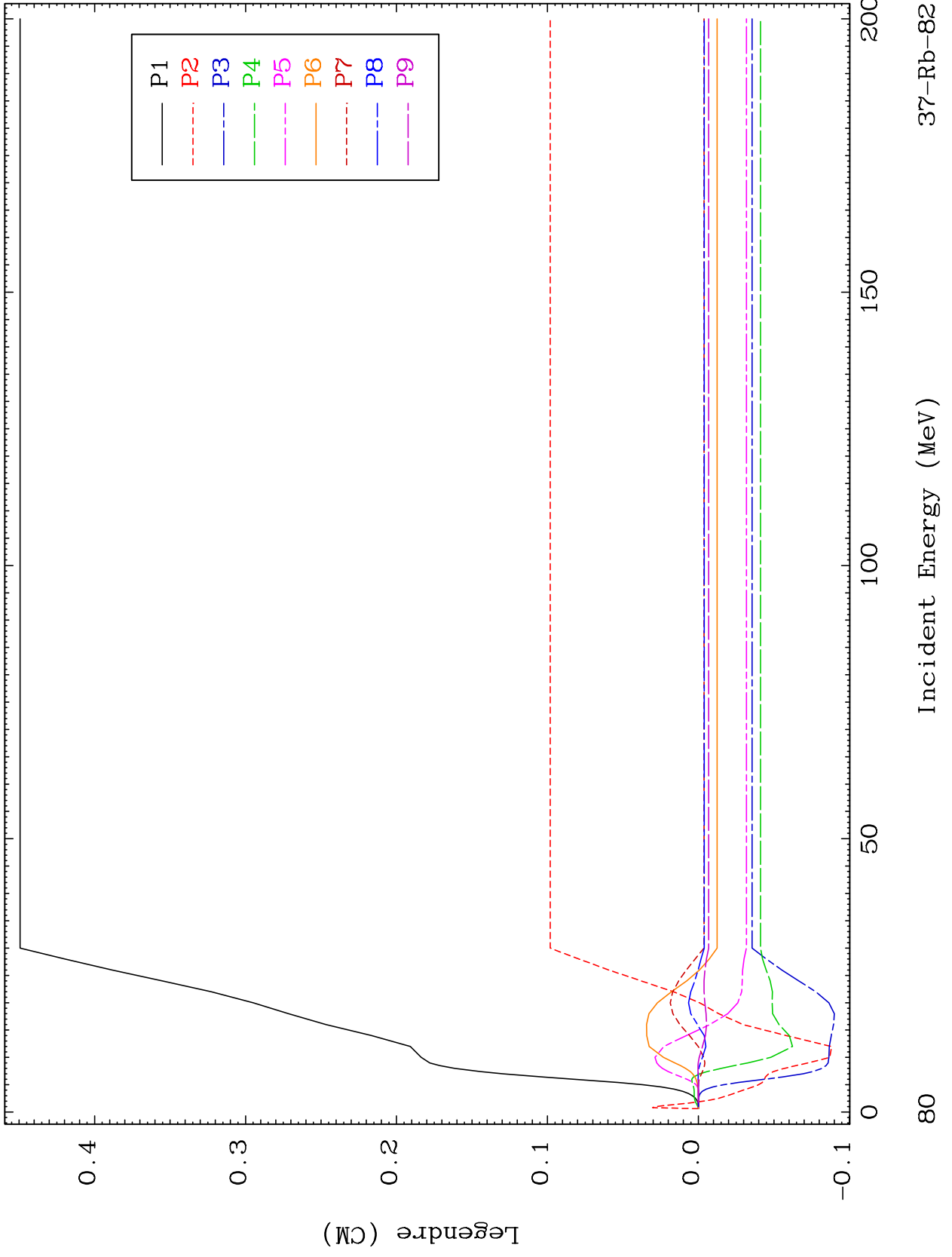
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



37-Rb-82

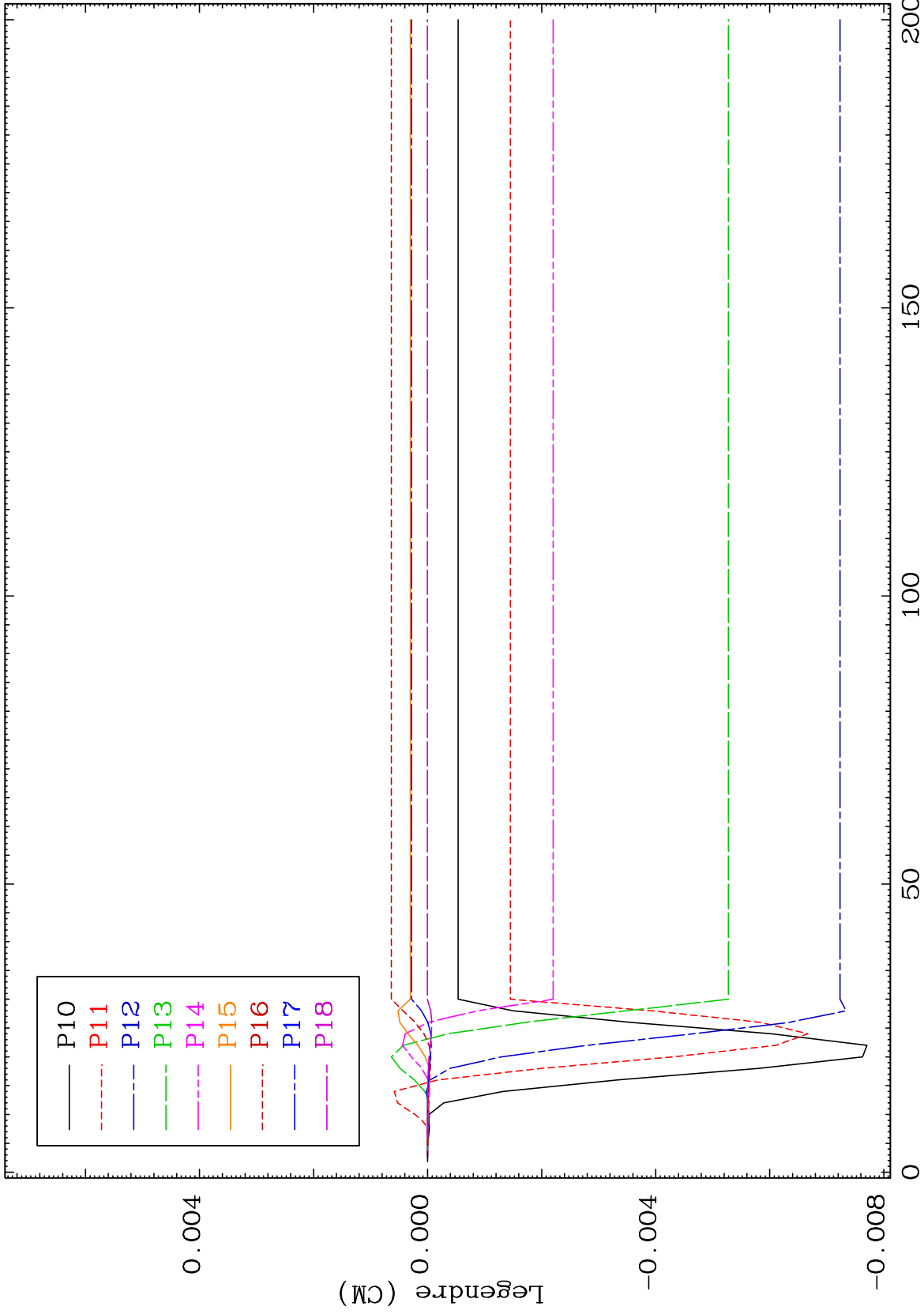
Incident Energy (MeV)

80

MAT 3716

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

37-Rb-82



81

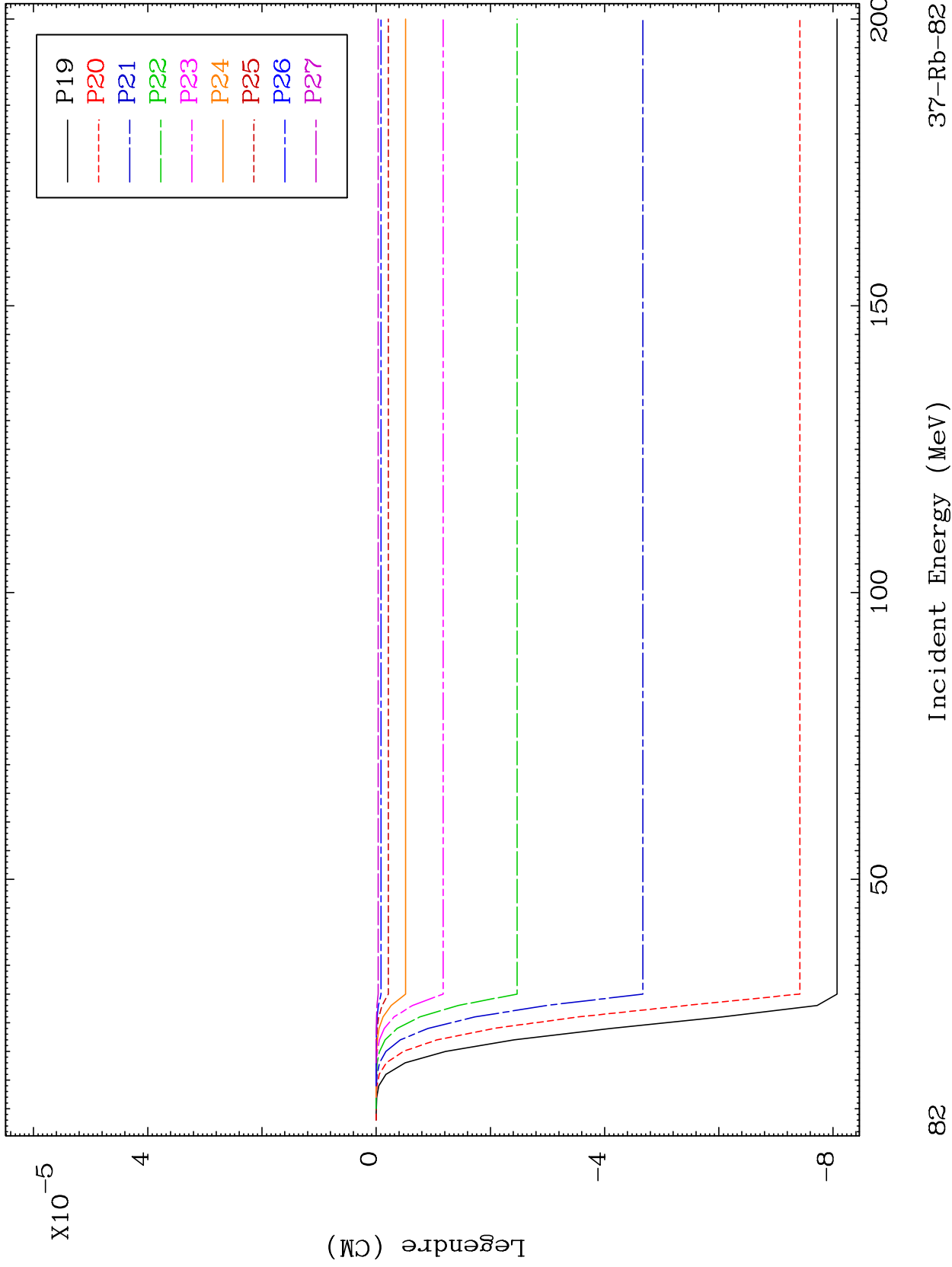
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



82

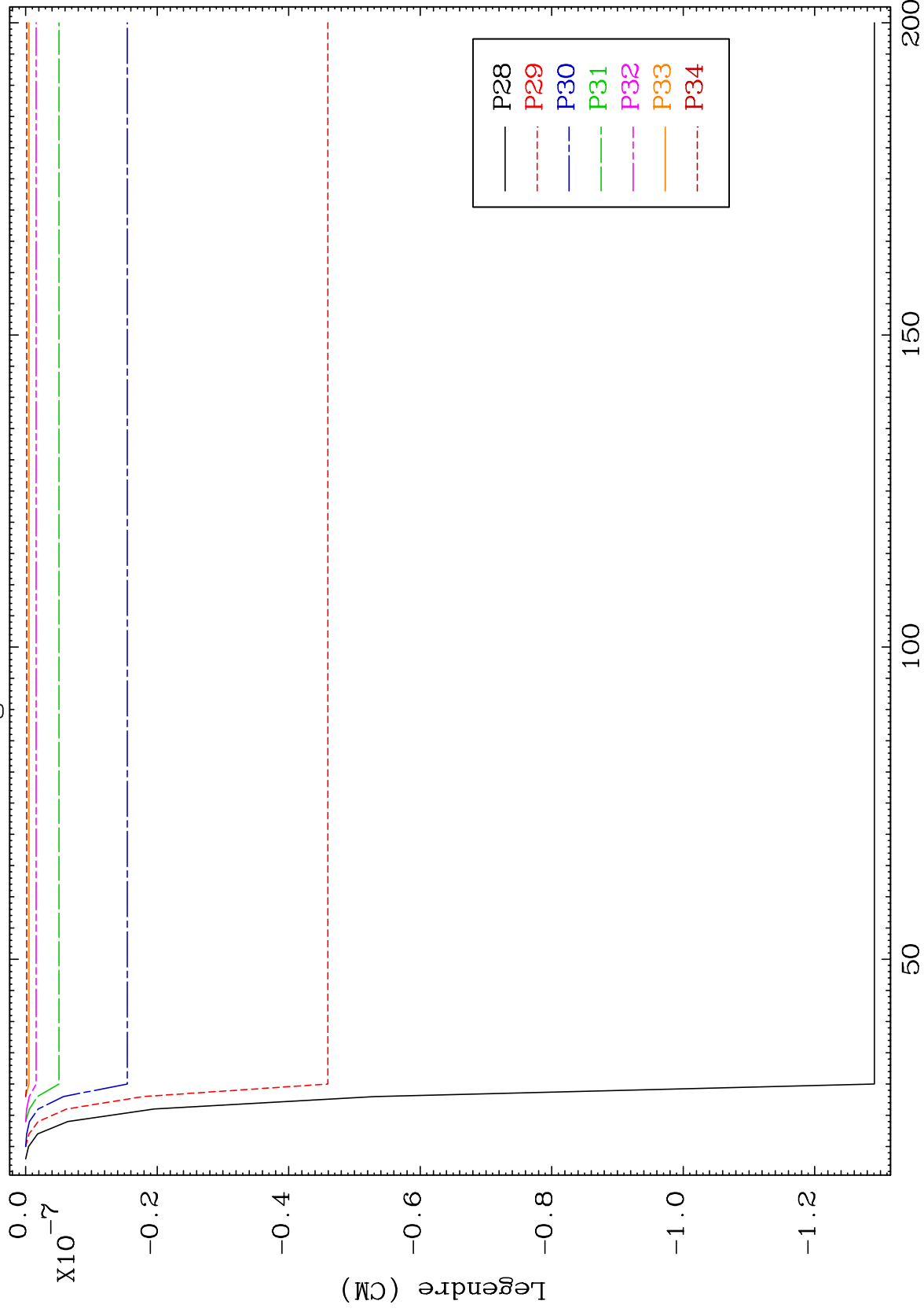
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

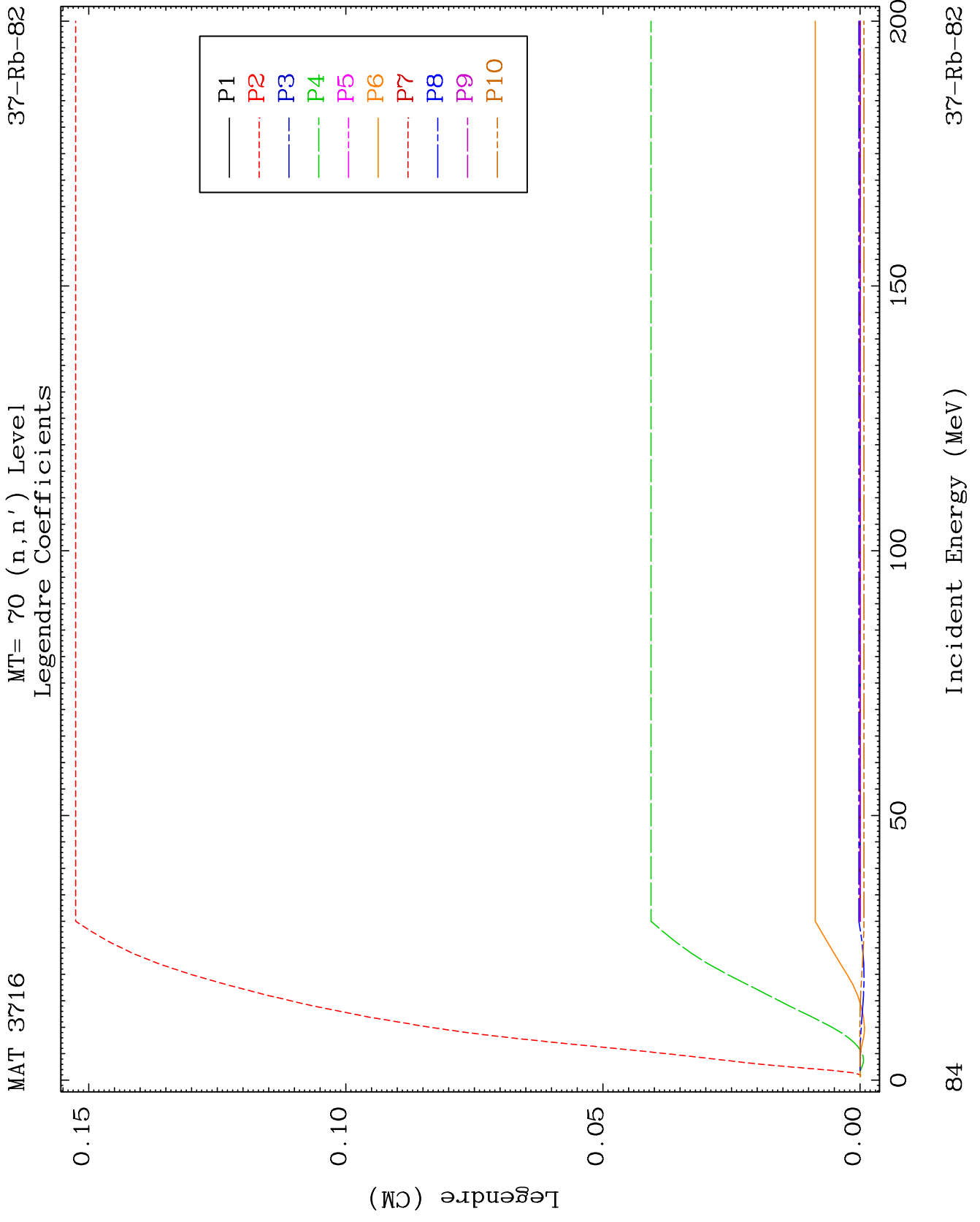
37-Rb-82



83

Incident Energy (MeV)

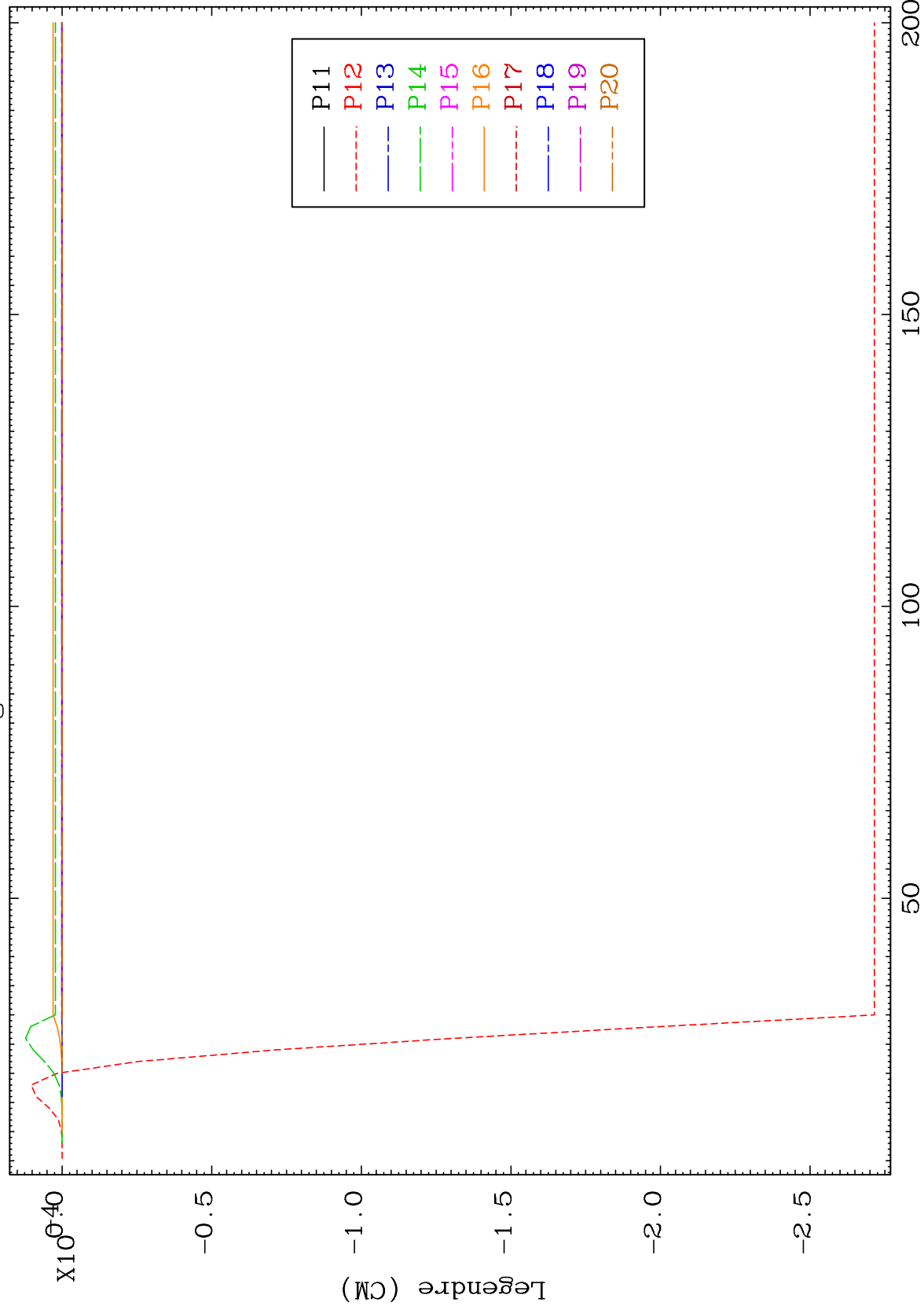
37-Rb-82



MAT 3716

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

37-Rb-82



85

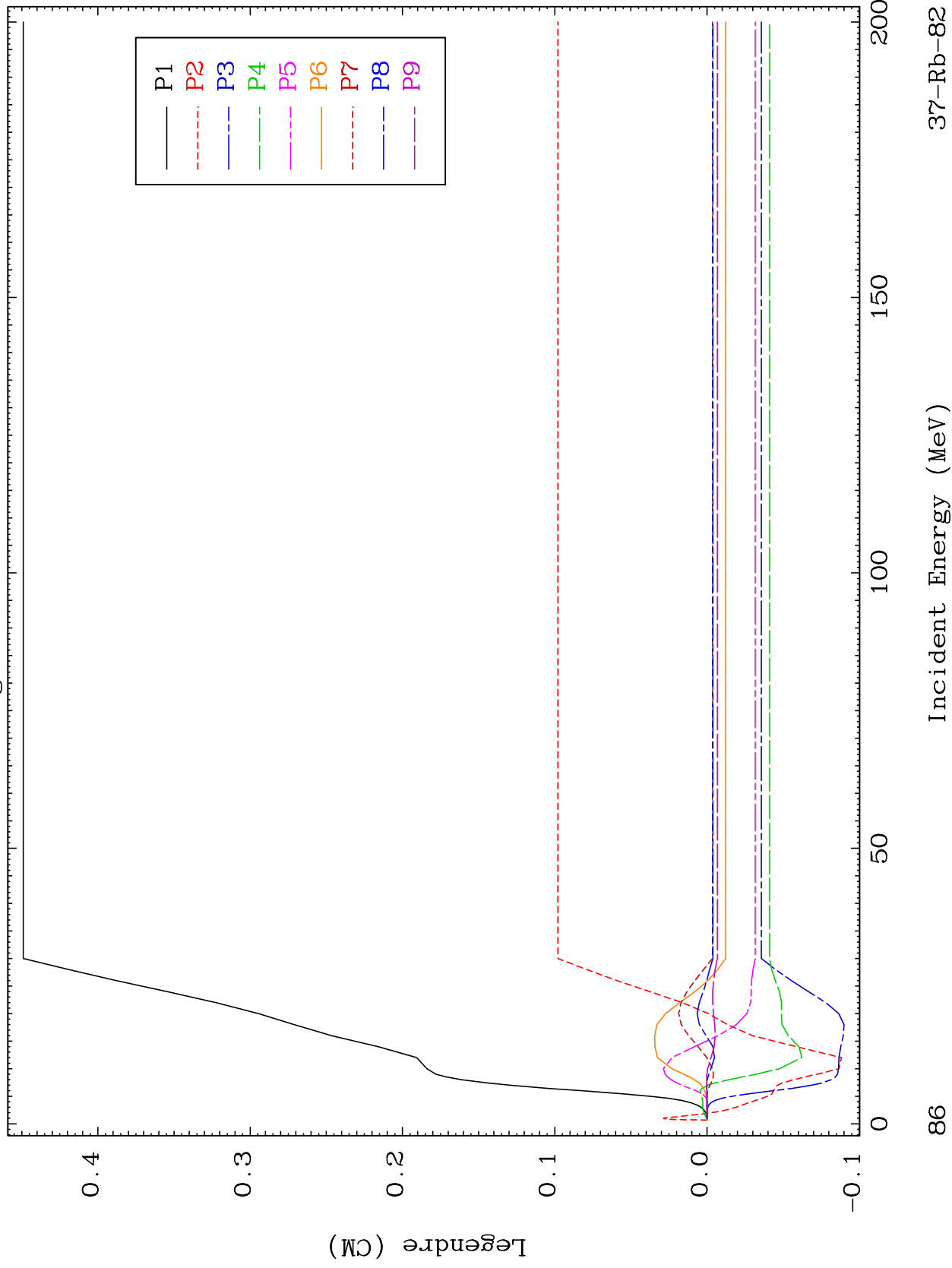
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



37-Rb-82

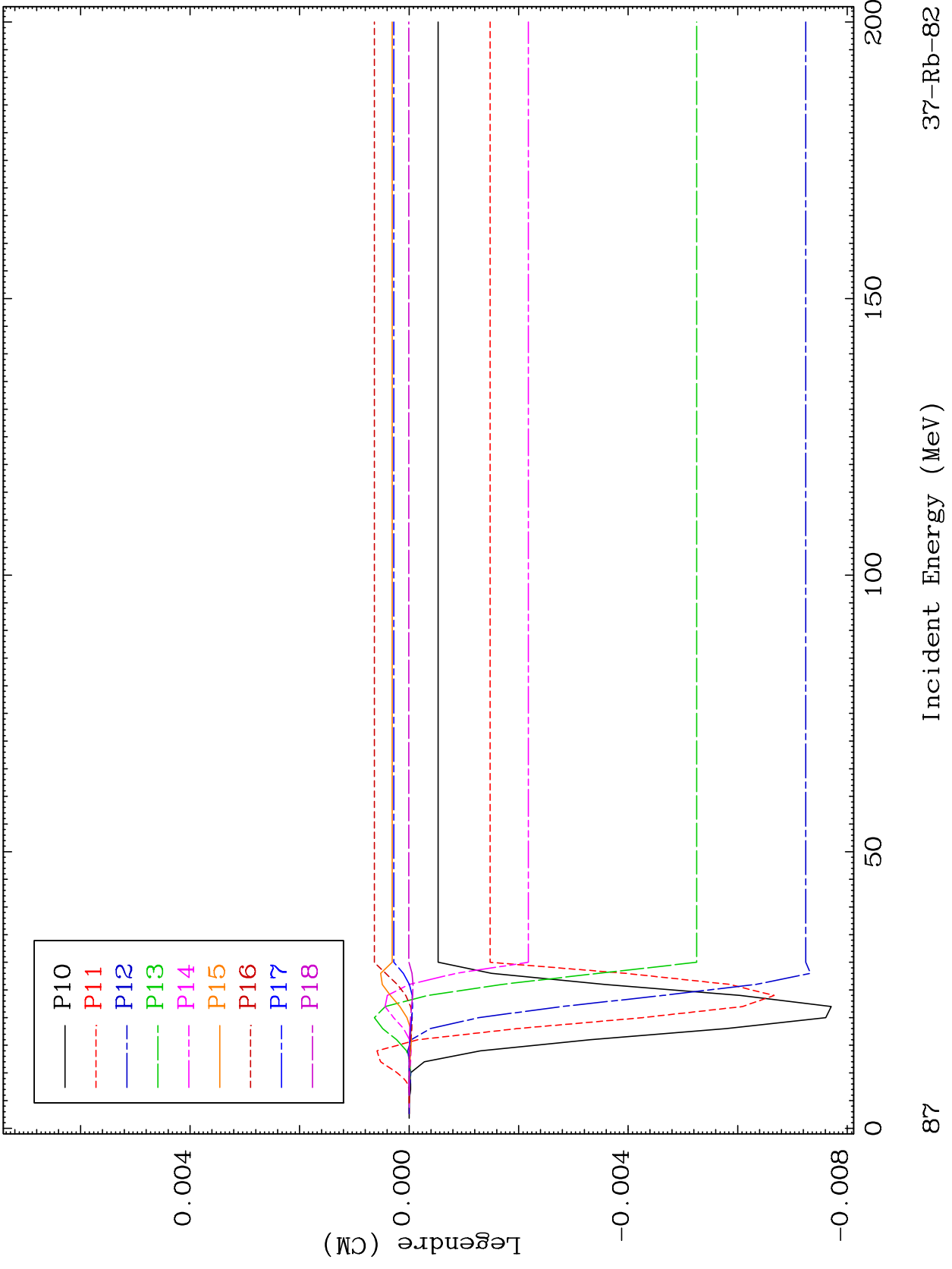
Incident Energy (MeV)

86

MAT 3716

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

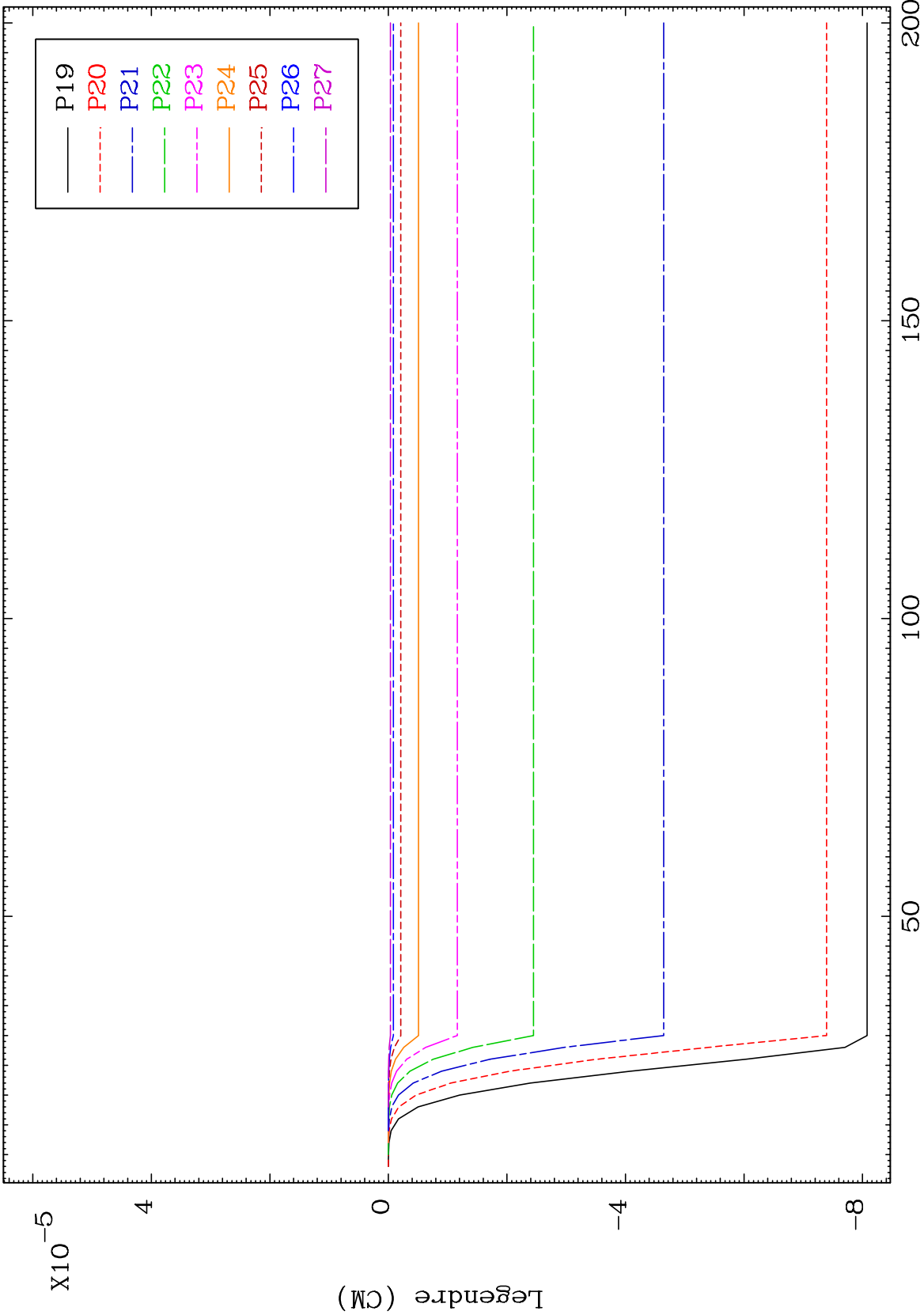
37-Rb-82



87

Incident Energy (MeV)

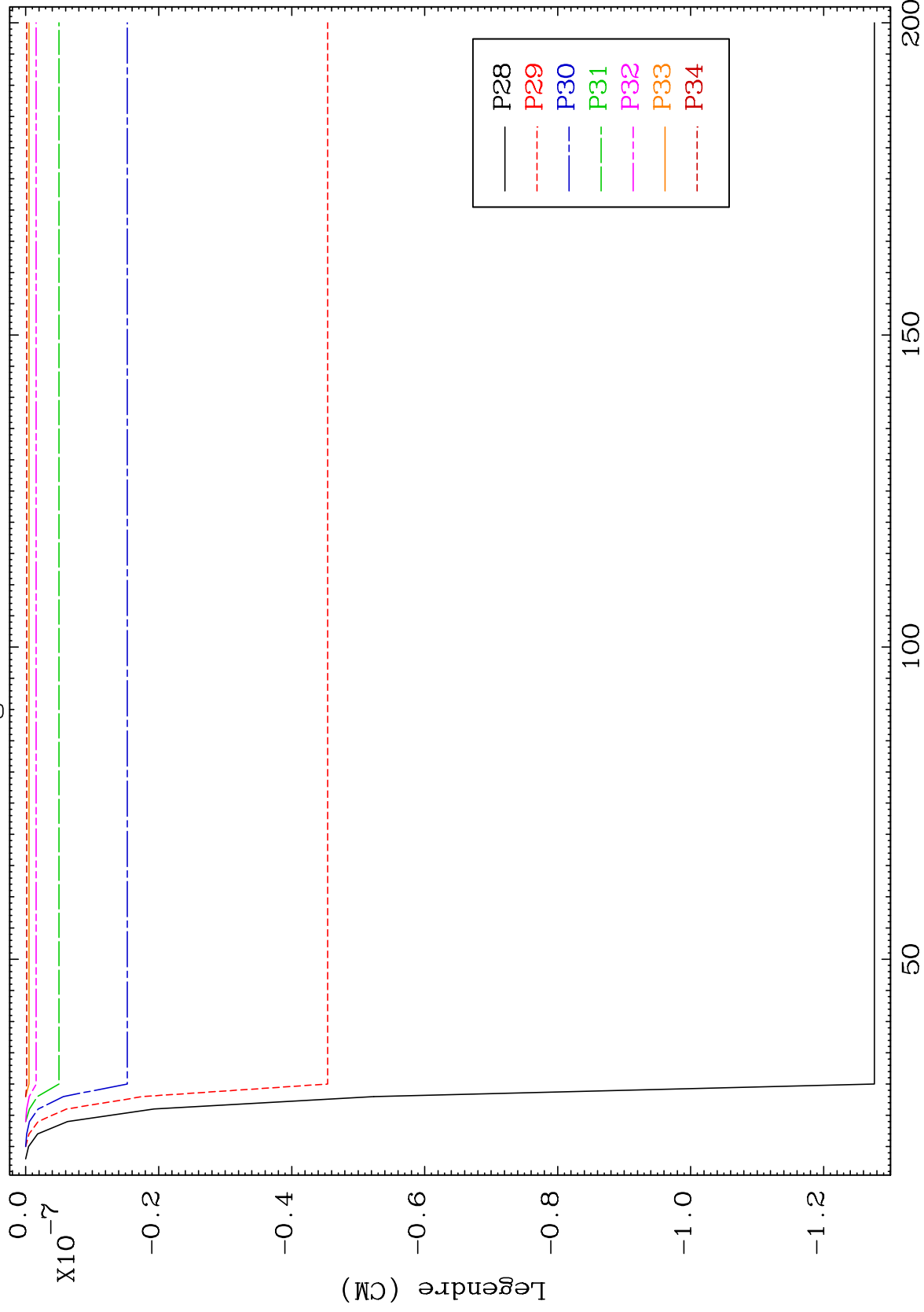
37-Rb-82



MAT 3716

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

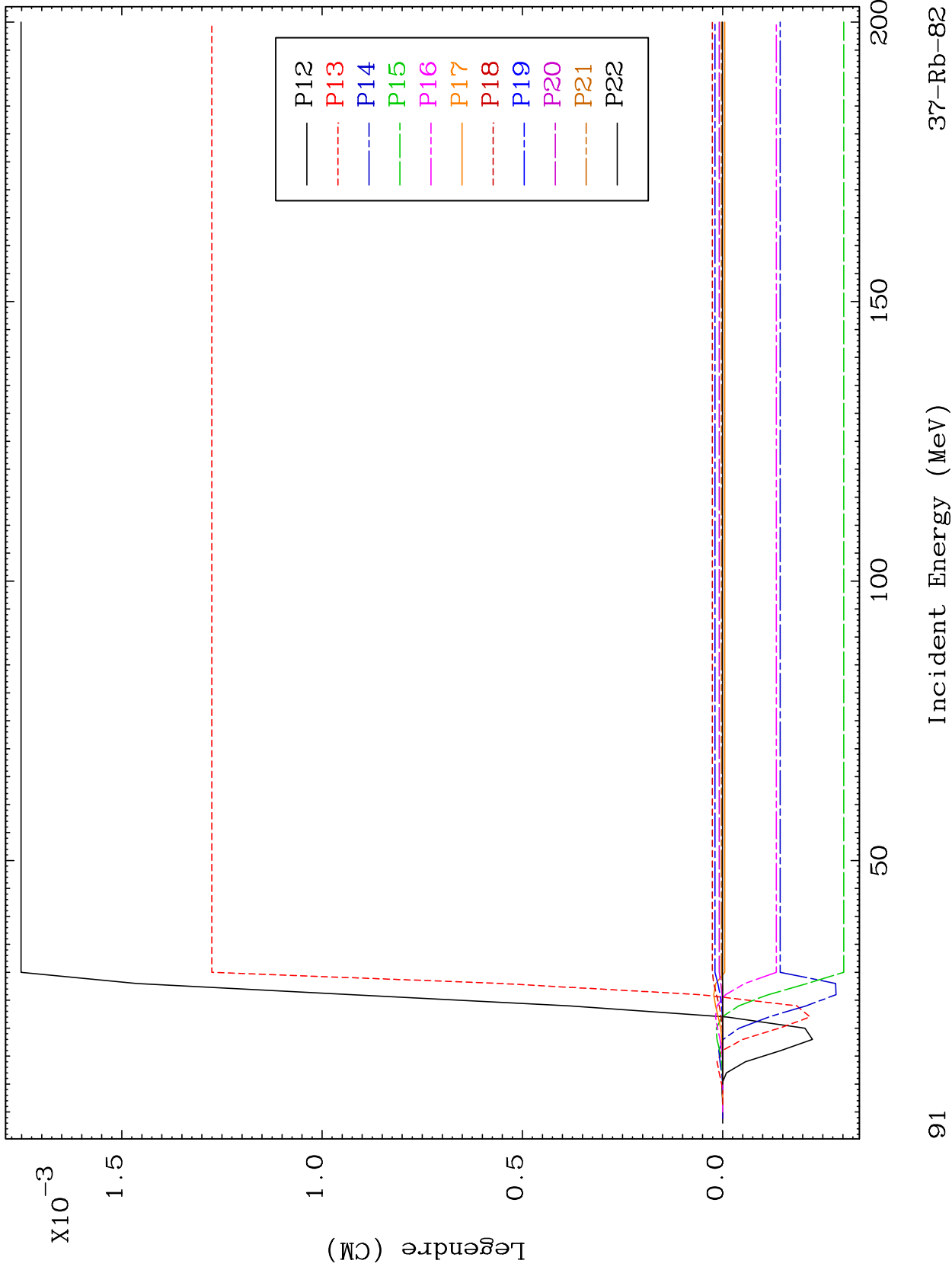
37-Rb-82



89

Incident Energy (MeV)

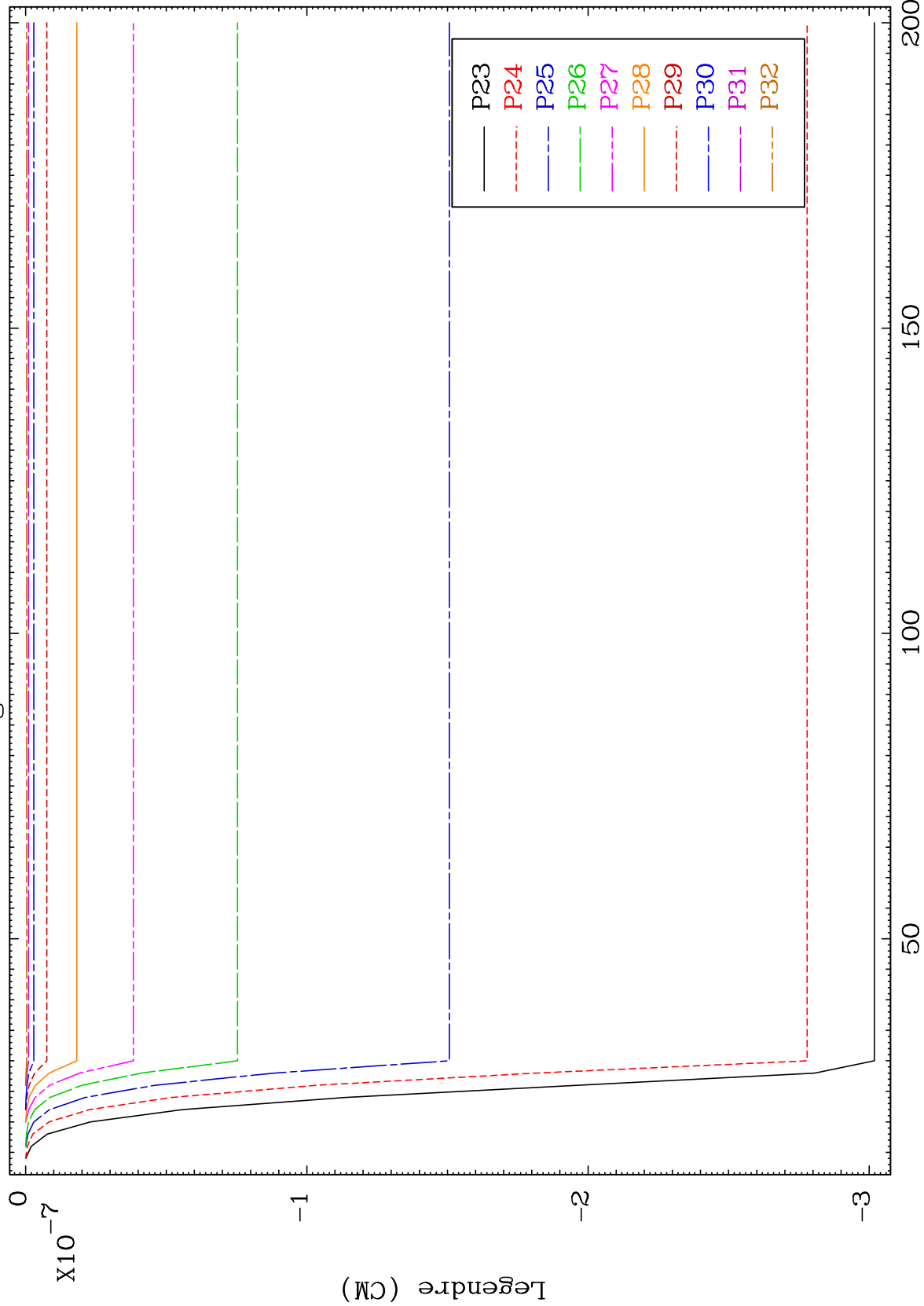
37-Rb-82



MAT 3716

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

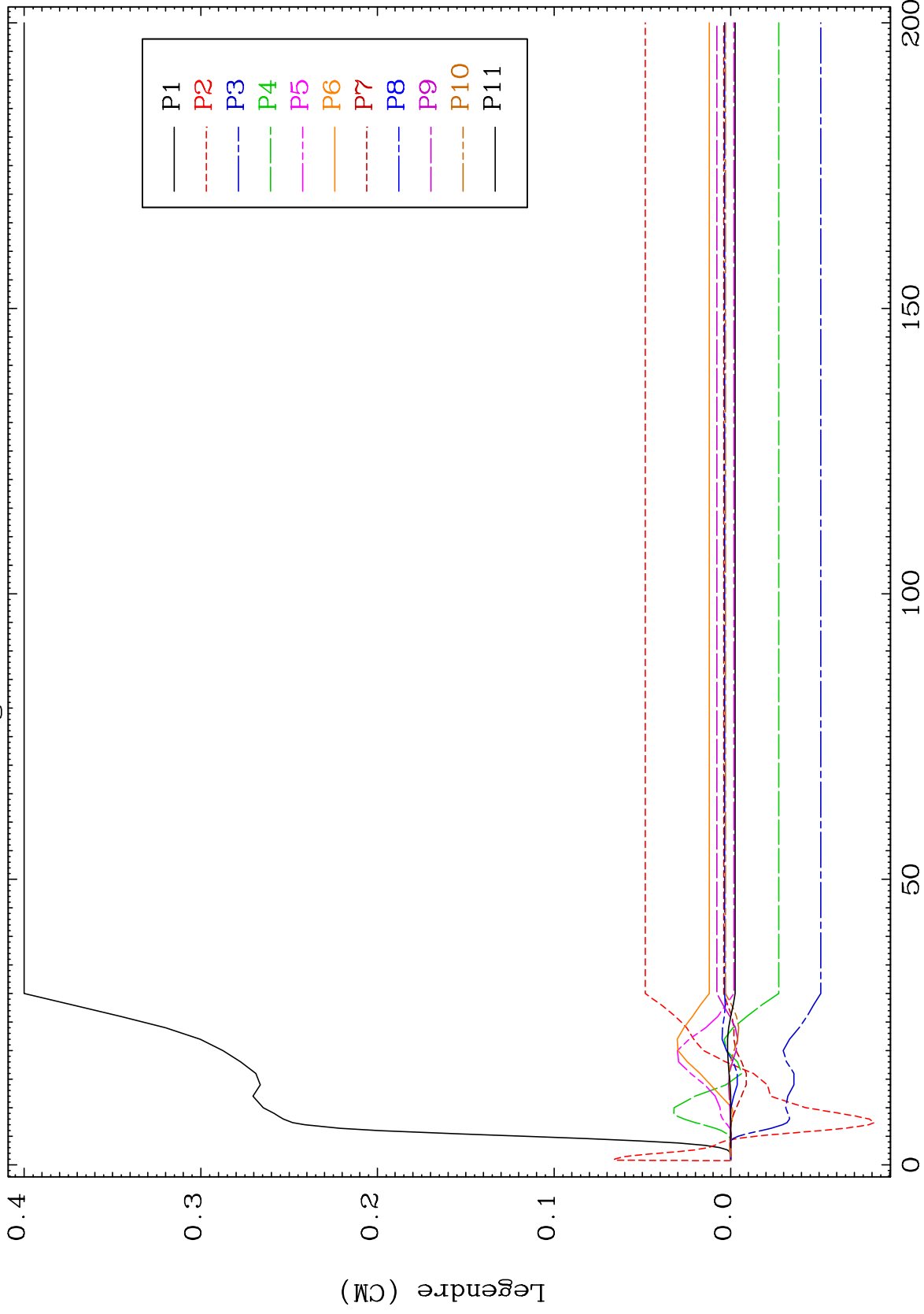
37-Rb-82



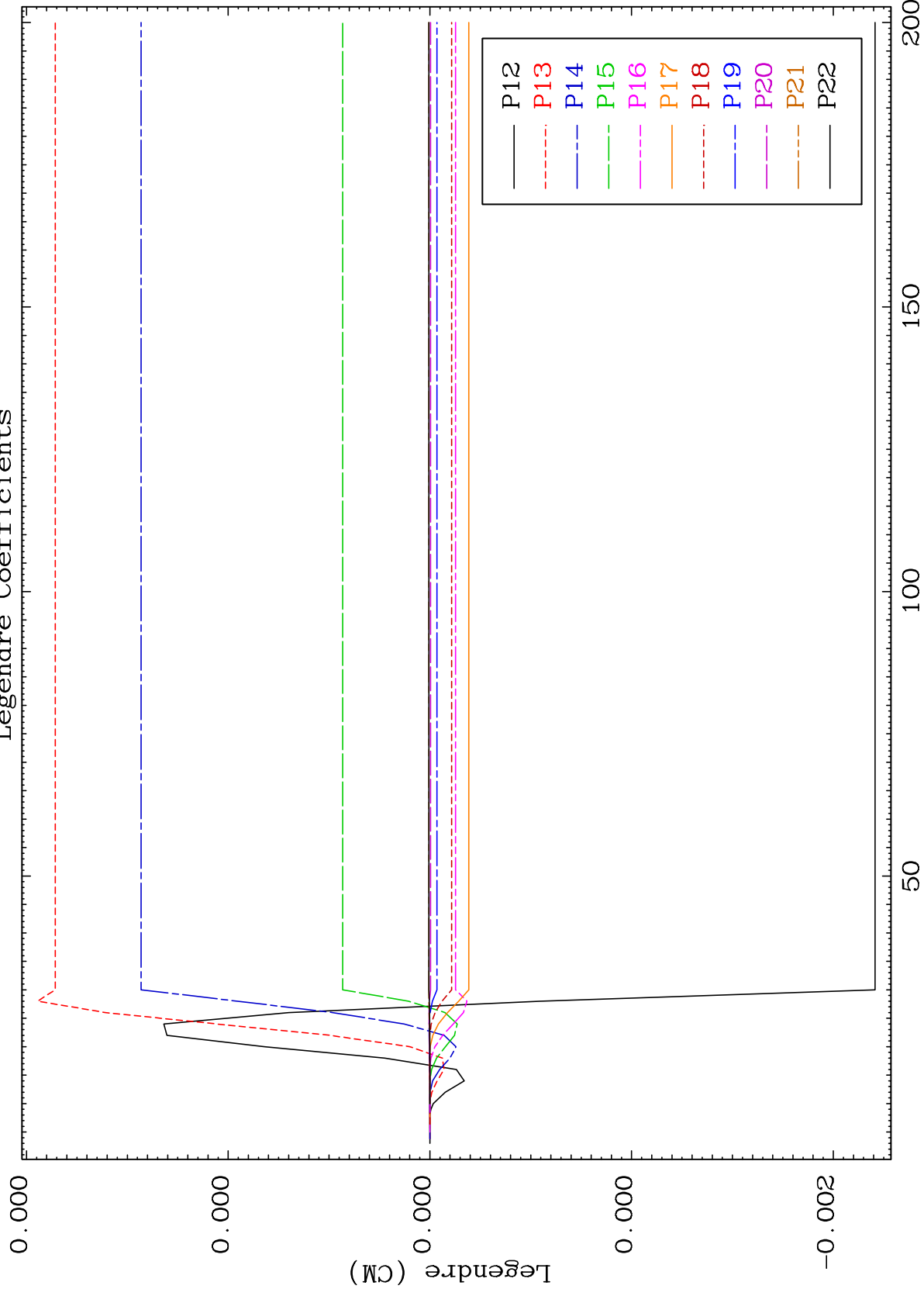
92

Incident Energy (MeV)

37-Rb-82



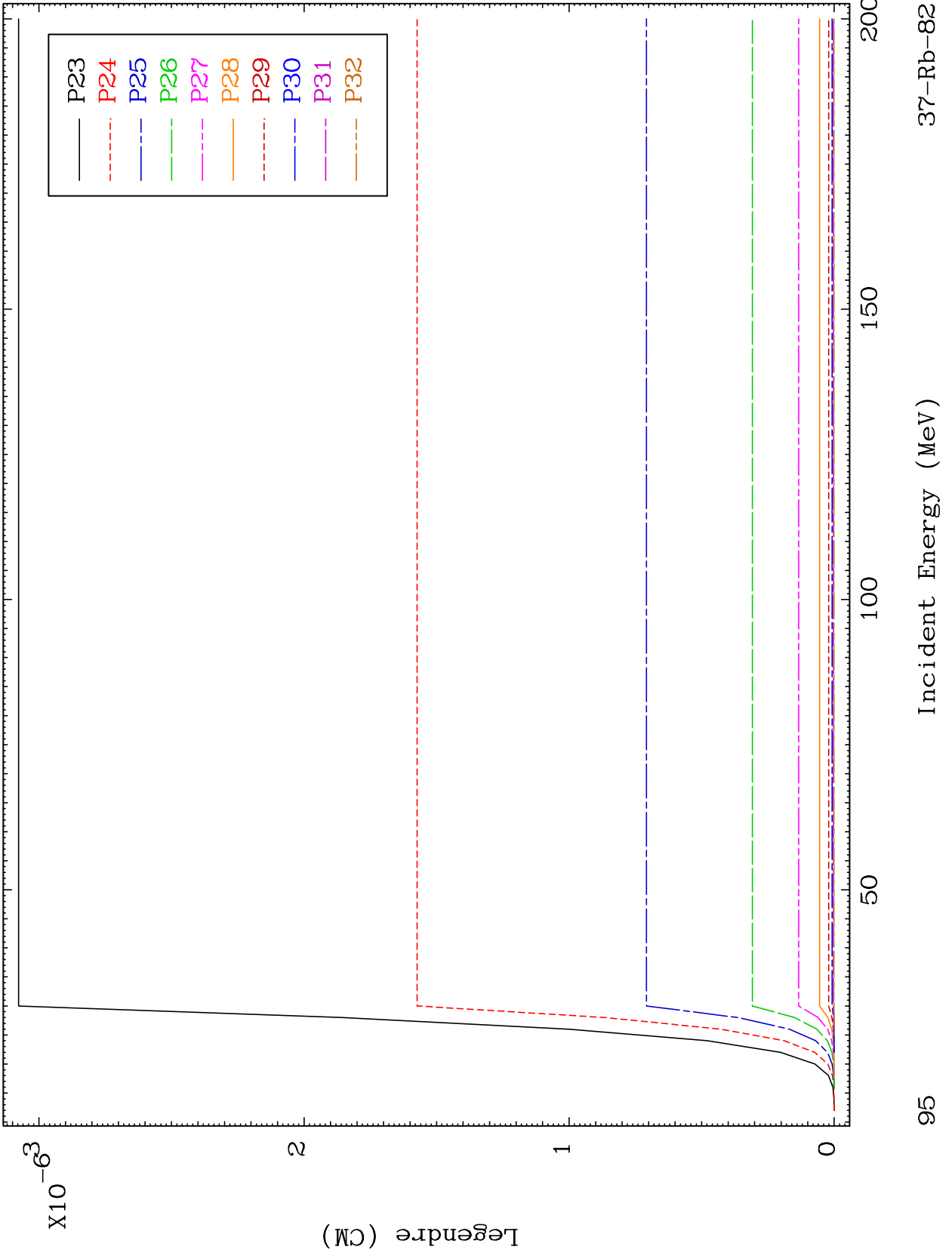
MAT 3716 MT= 73 (n,n') Level Legendre Coefficients 37-Rb-82



MAT 3716

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

37-Rb-82



95

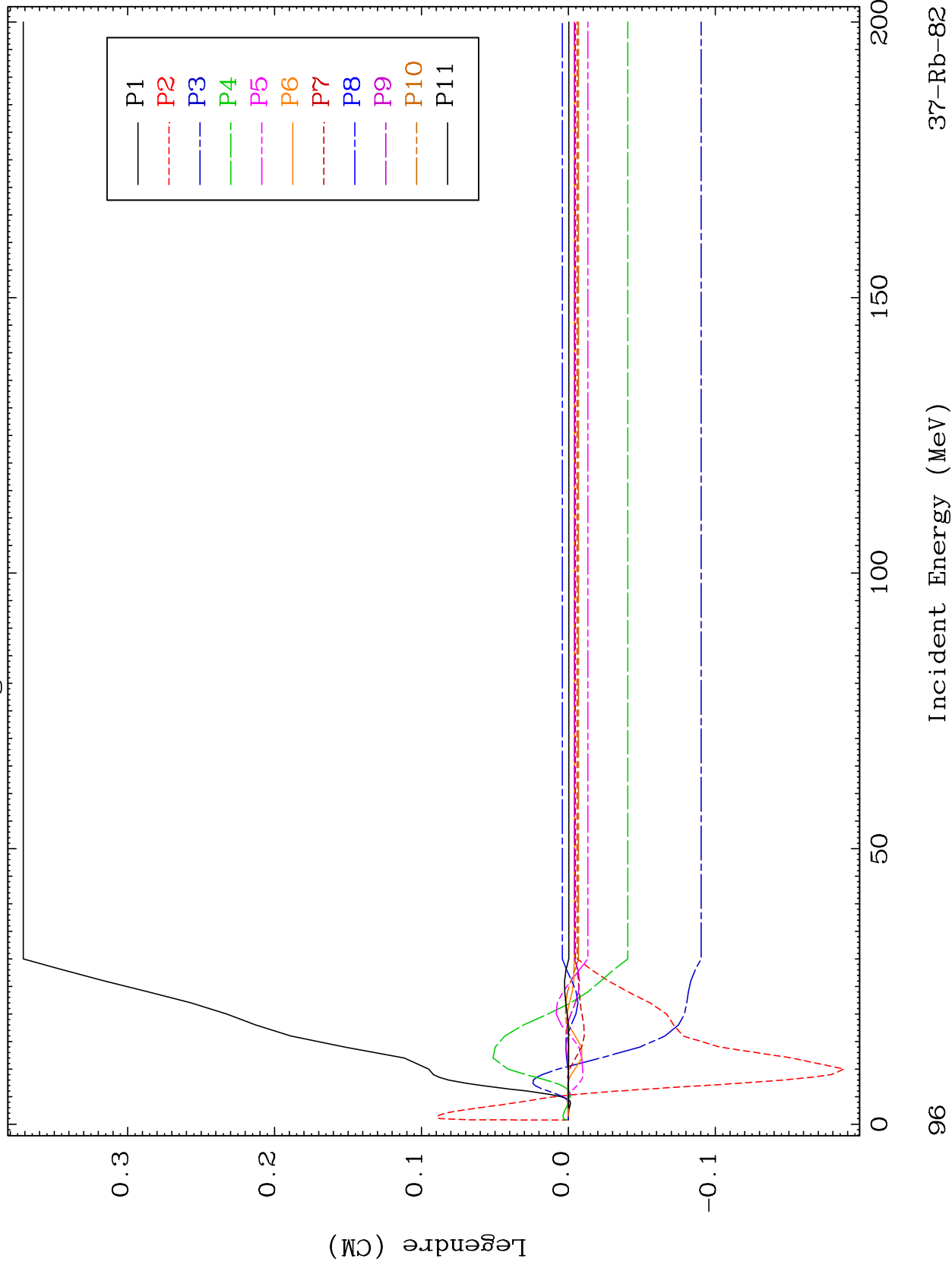
Incident Energy (MeV)

37-Rb-82

MAT 3716

37-Rb-82

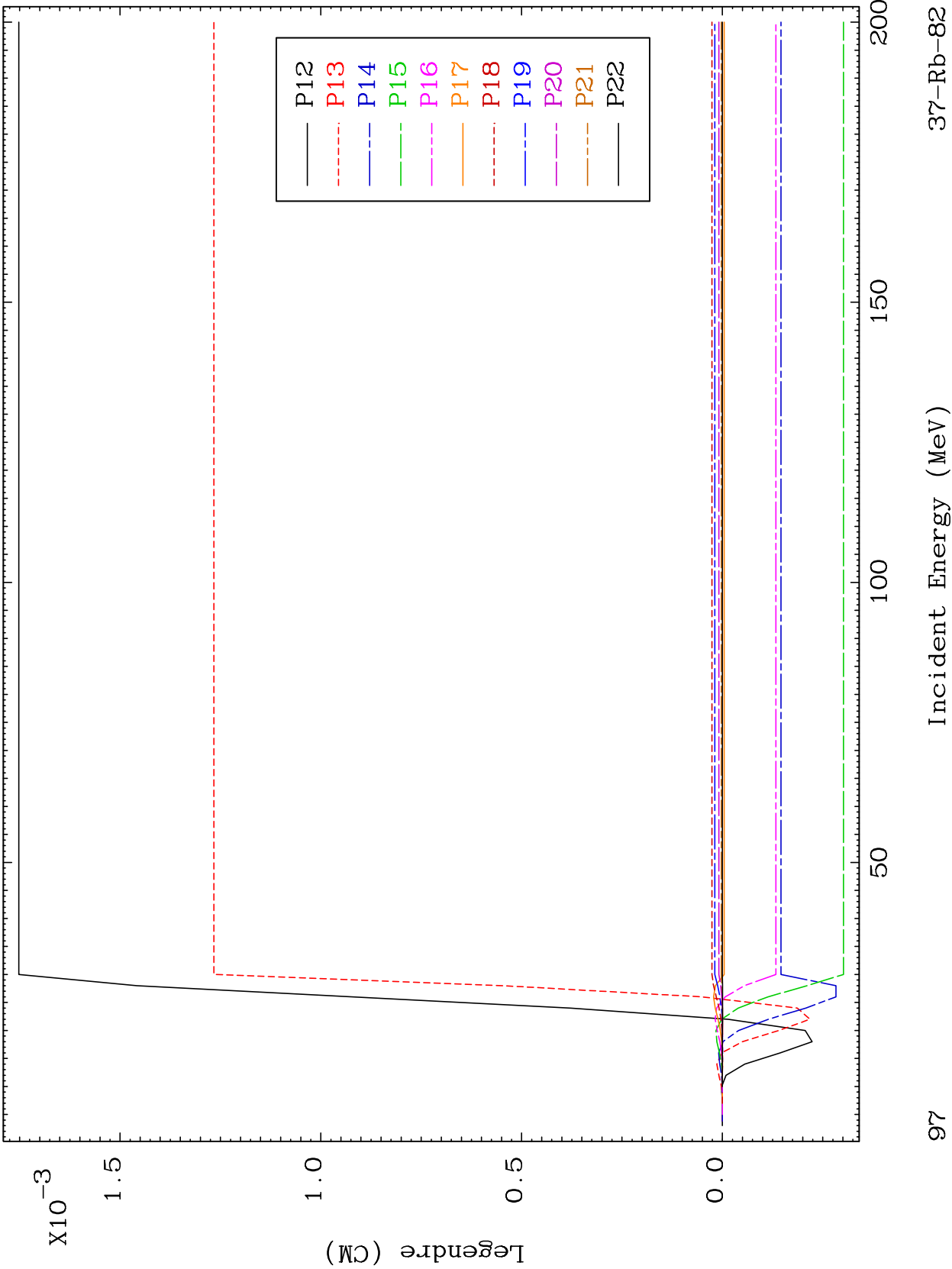
MT= 74 (n,n') Level
Legendre Coefficients



37-Rb-82

Incident Energy (MeV)

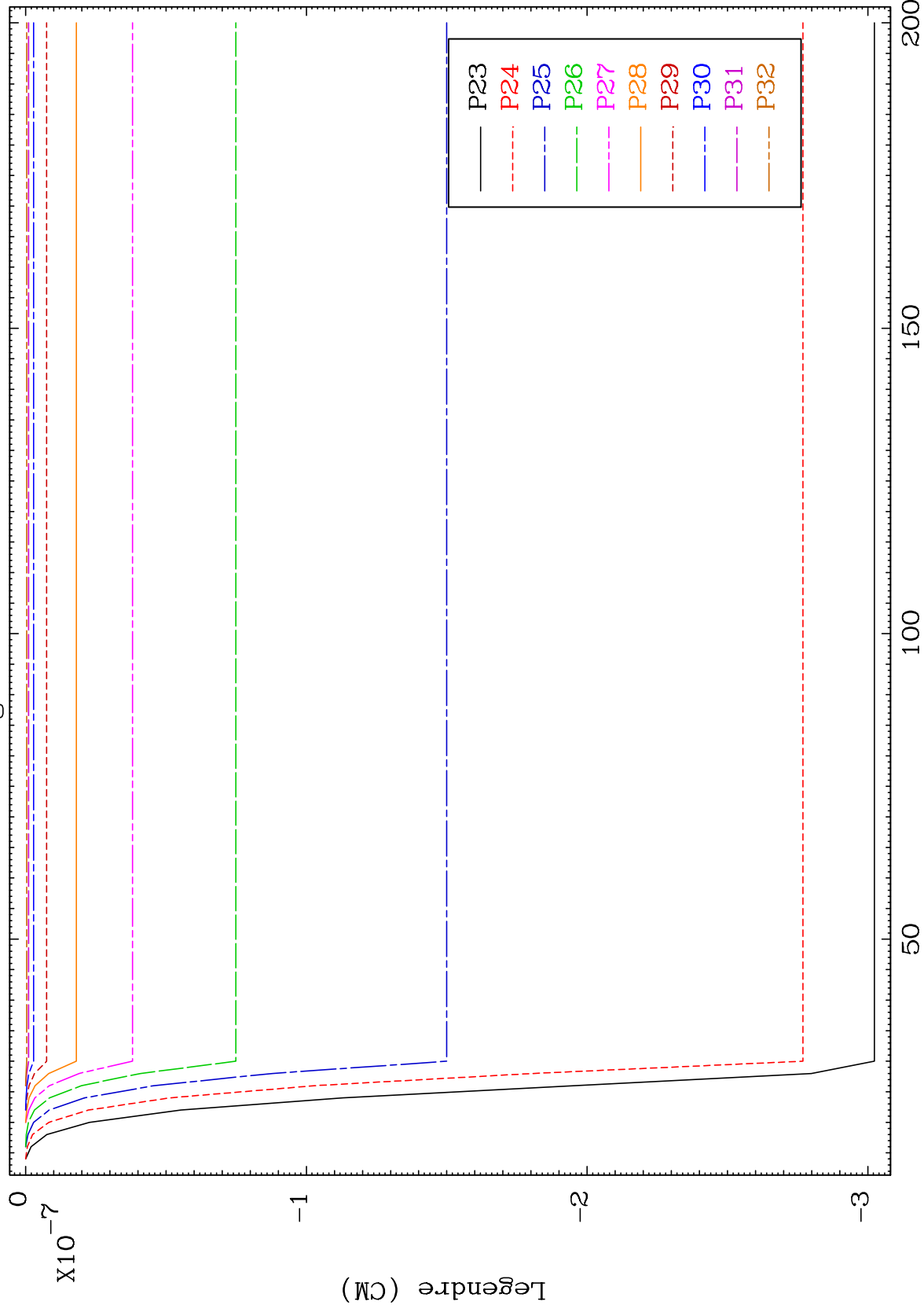
96



MAT 3716

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

37-Rb-82



98

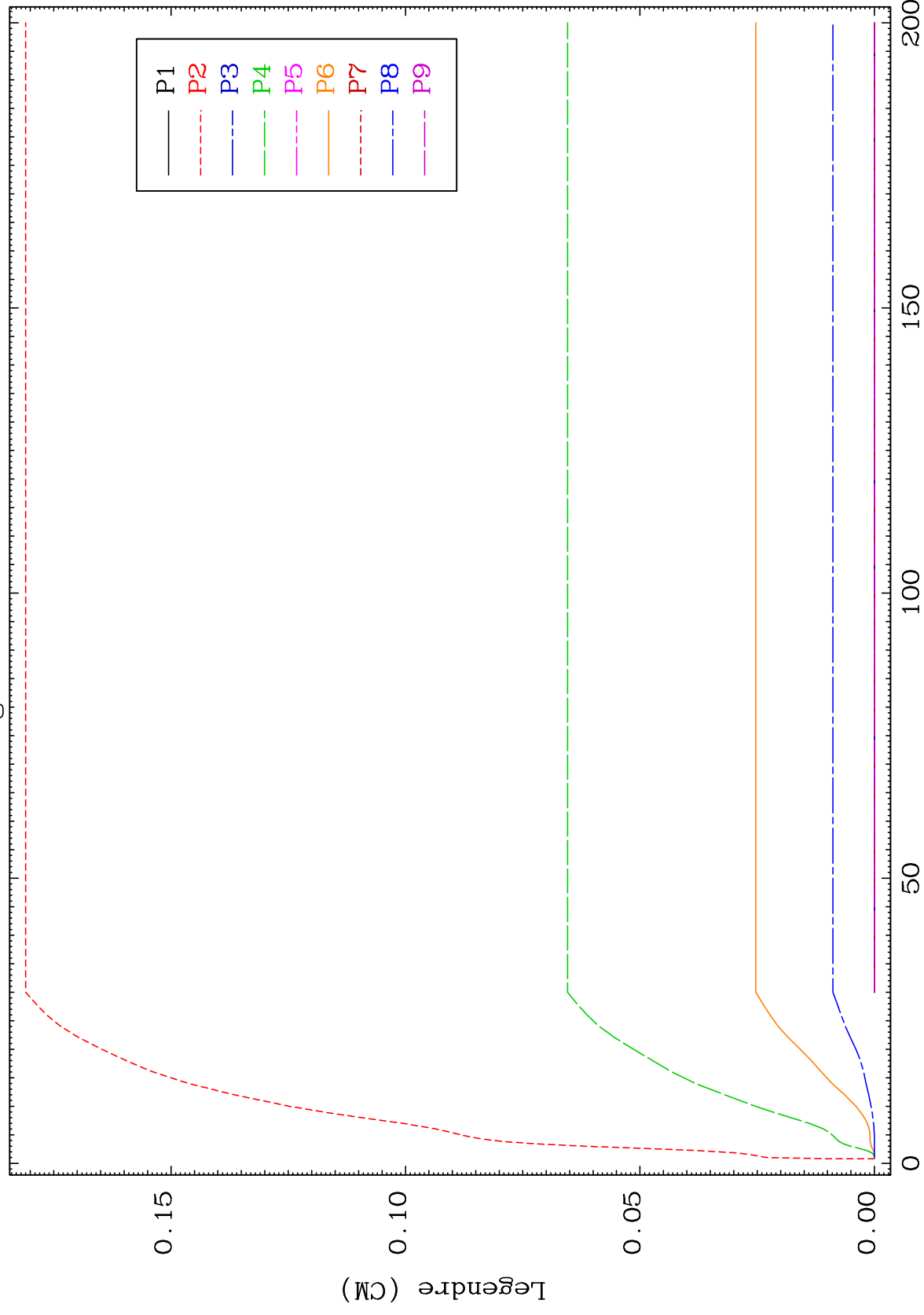
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



99

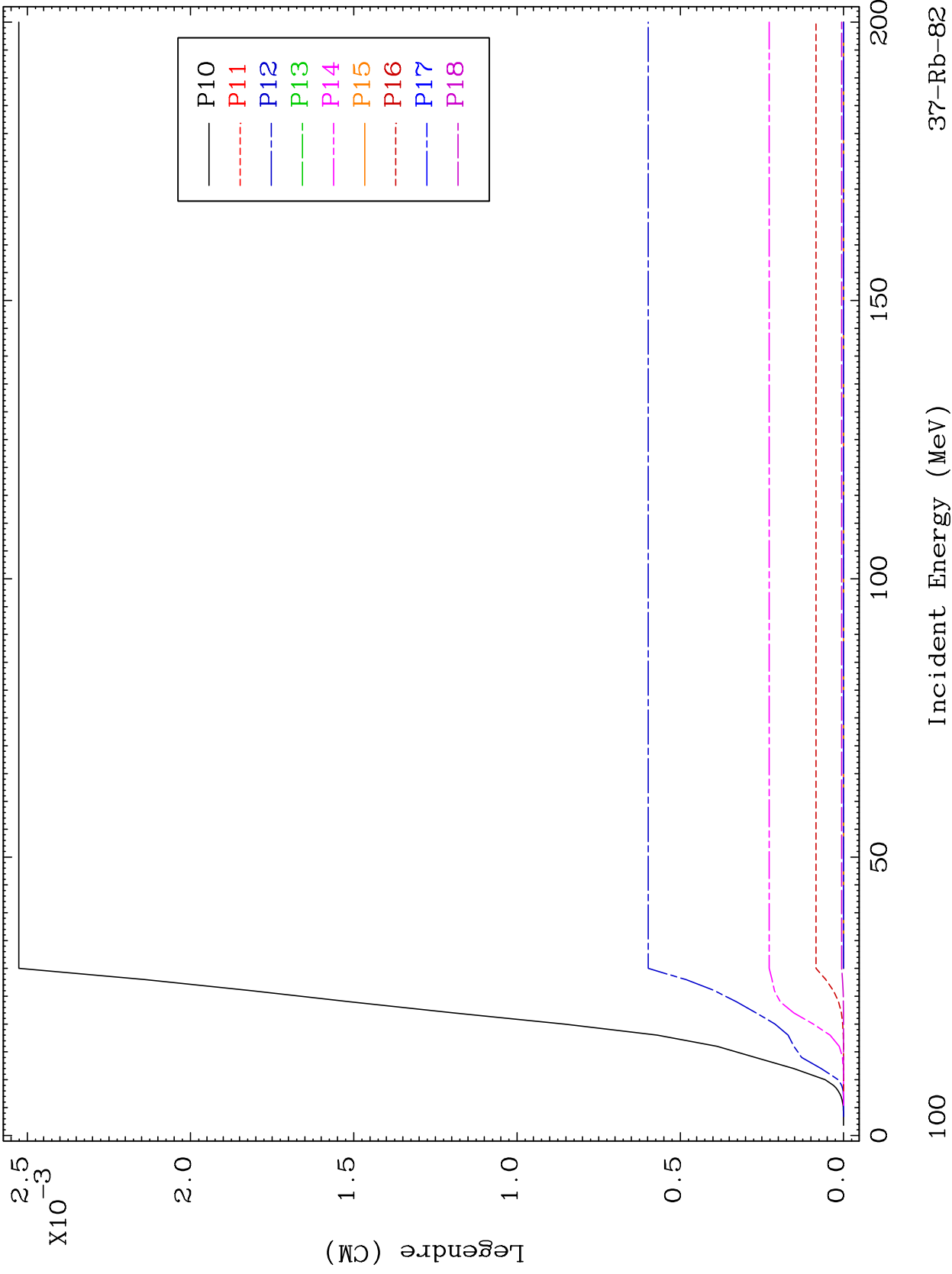
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



37-Rb-82

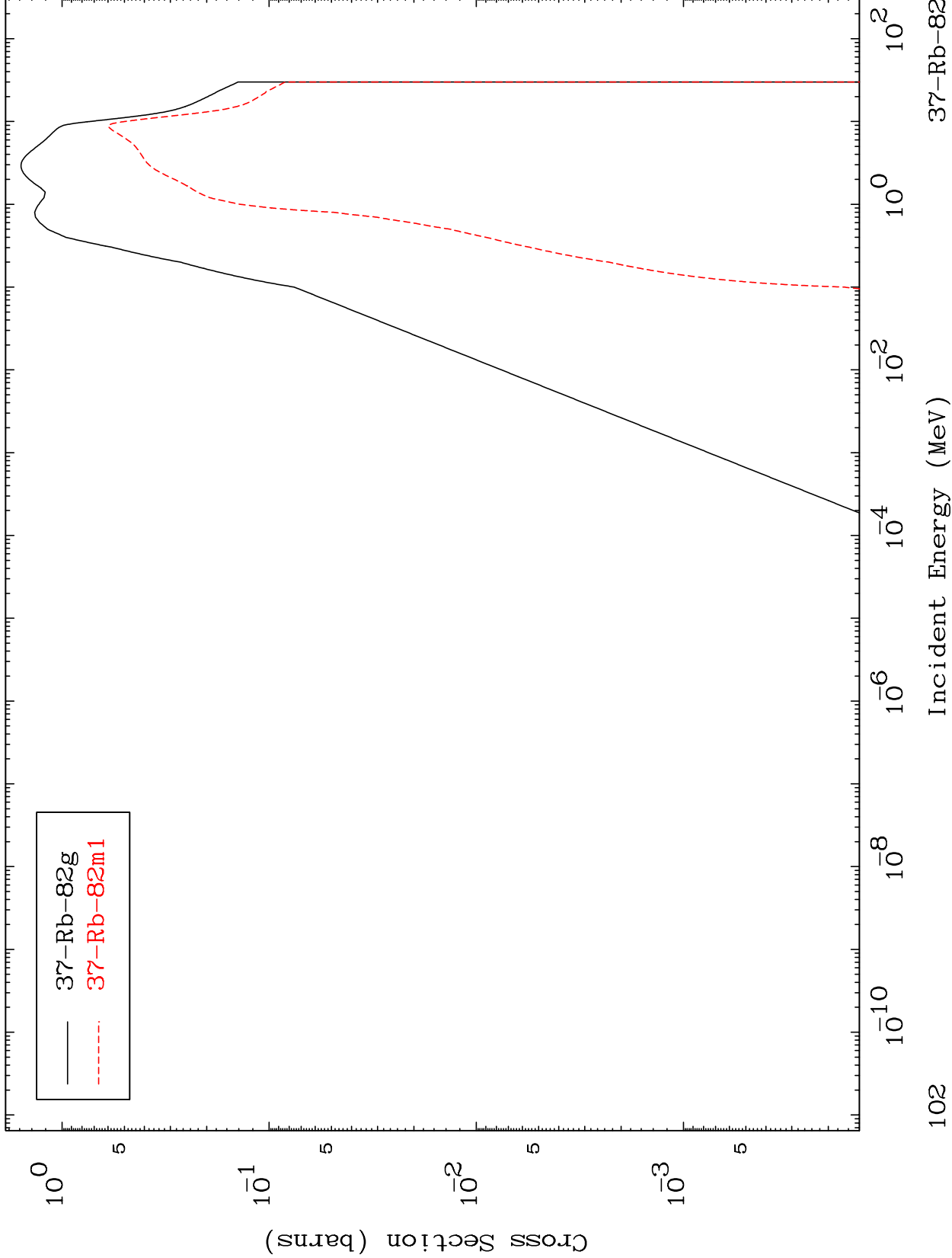
Incident Energy (MeV)

100

MAT 3716

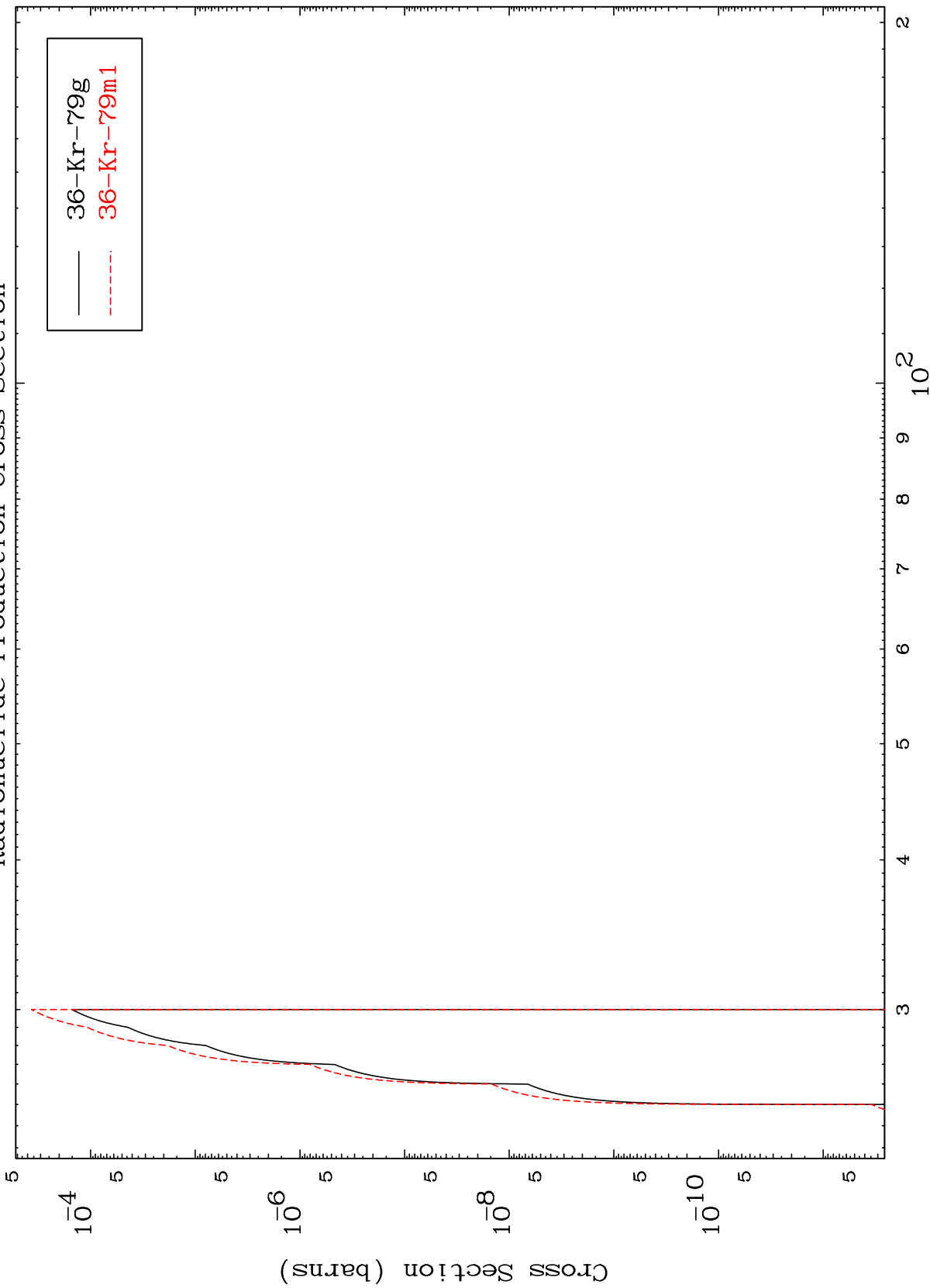
Inelastic
Radionuclide Production Cross Section

³⁷Rb-82



— 37-Rb-82g
- - - 37-Rb-82m1

Radionuclide Production Cross Section

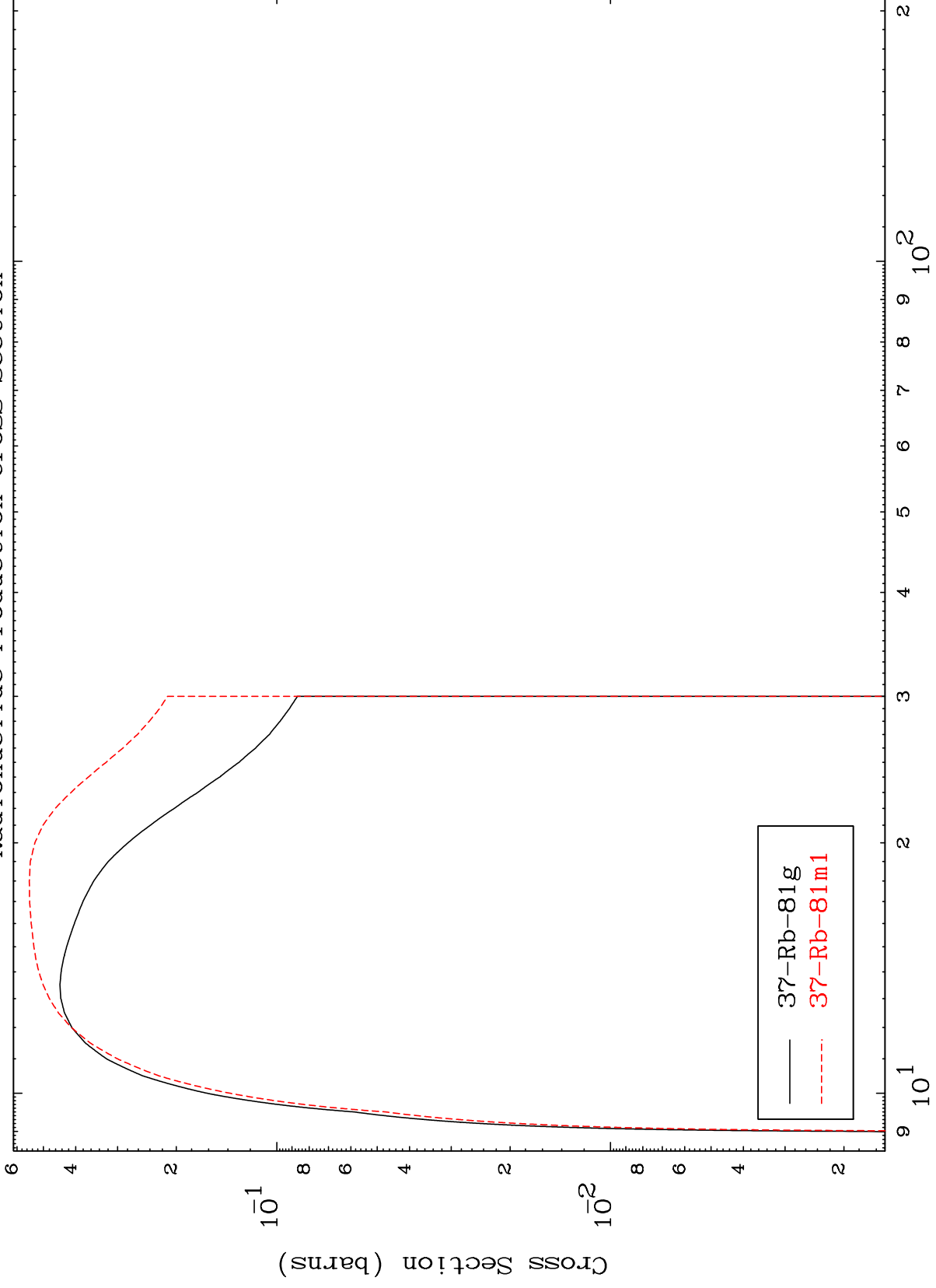


36-Kr-79g
36-Kr-79m1

MAT 3716

37-Rb-82

(n,2n)
Radionuclide Production Cross Section



37-Rb-82

Incident Energy (MeV)

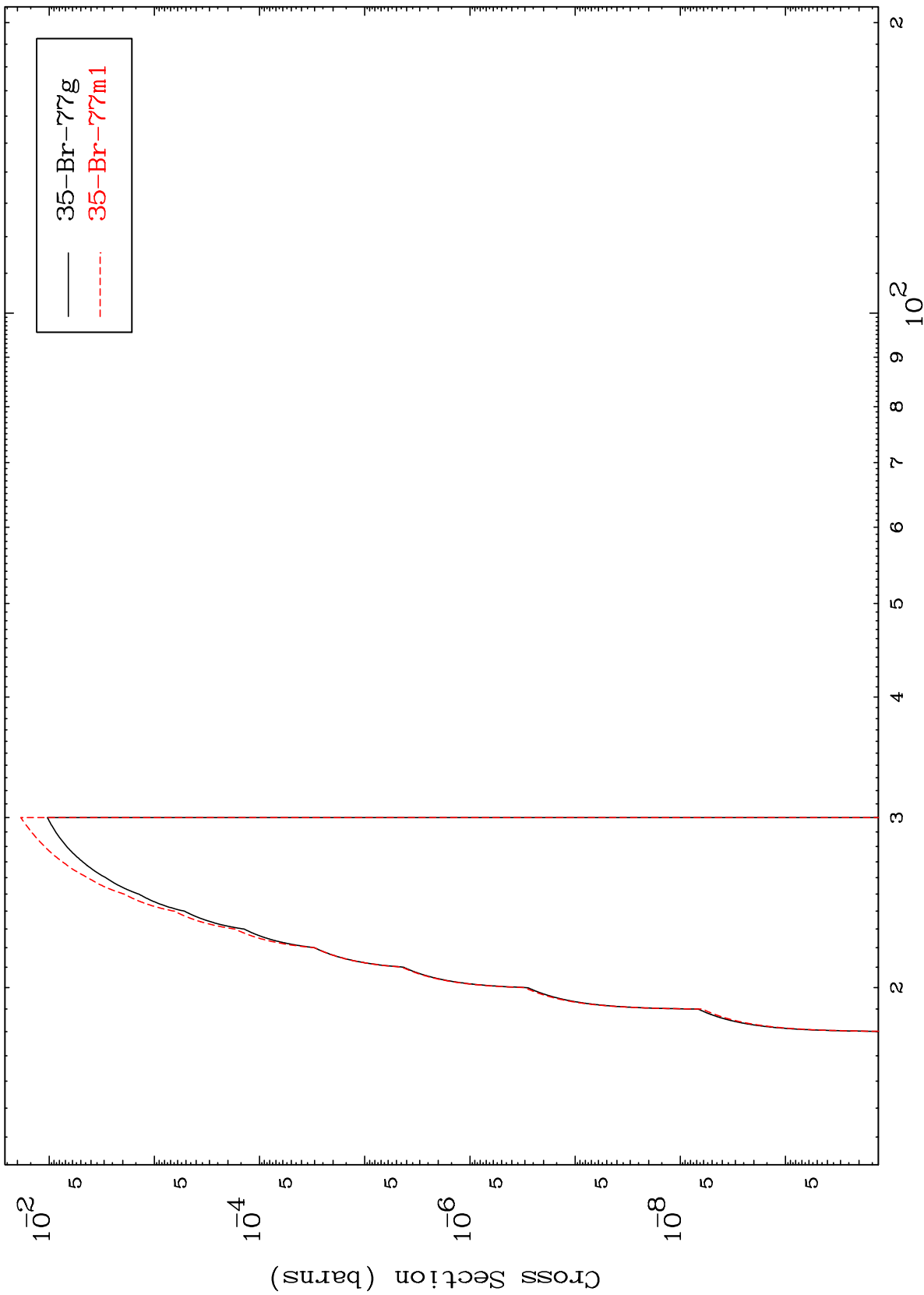
104

MAT 3716

$(n,2n) \alpha$

37-Rb-82

Radionuclide Production Cross Section

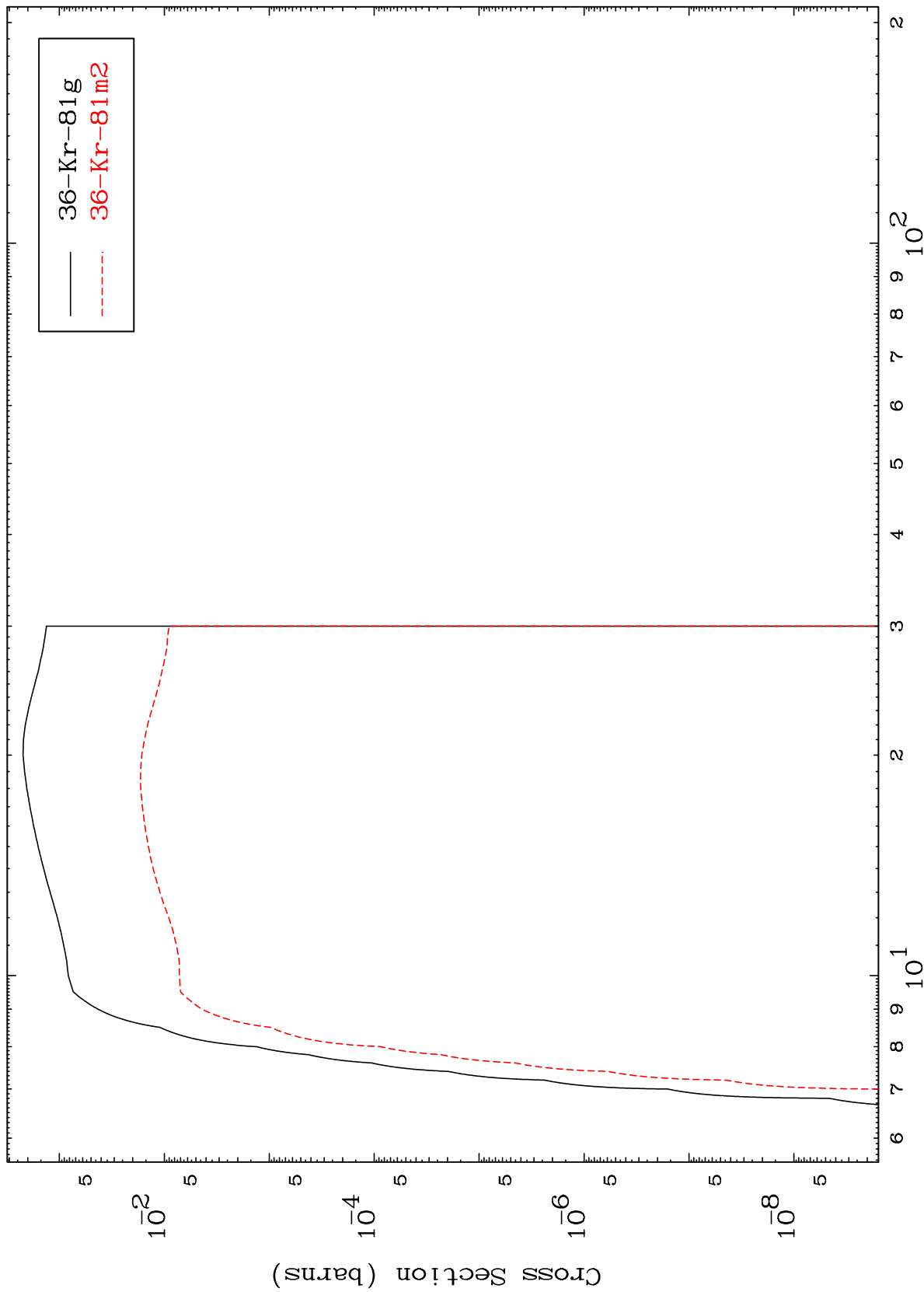


105

Incident Energy (MeV)

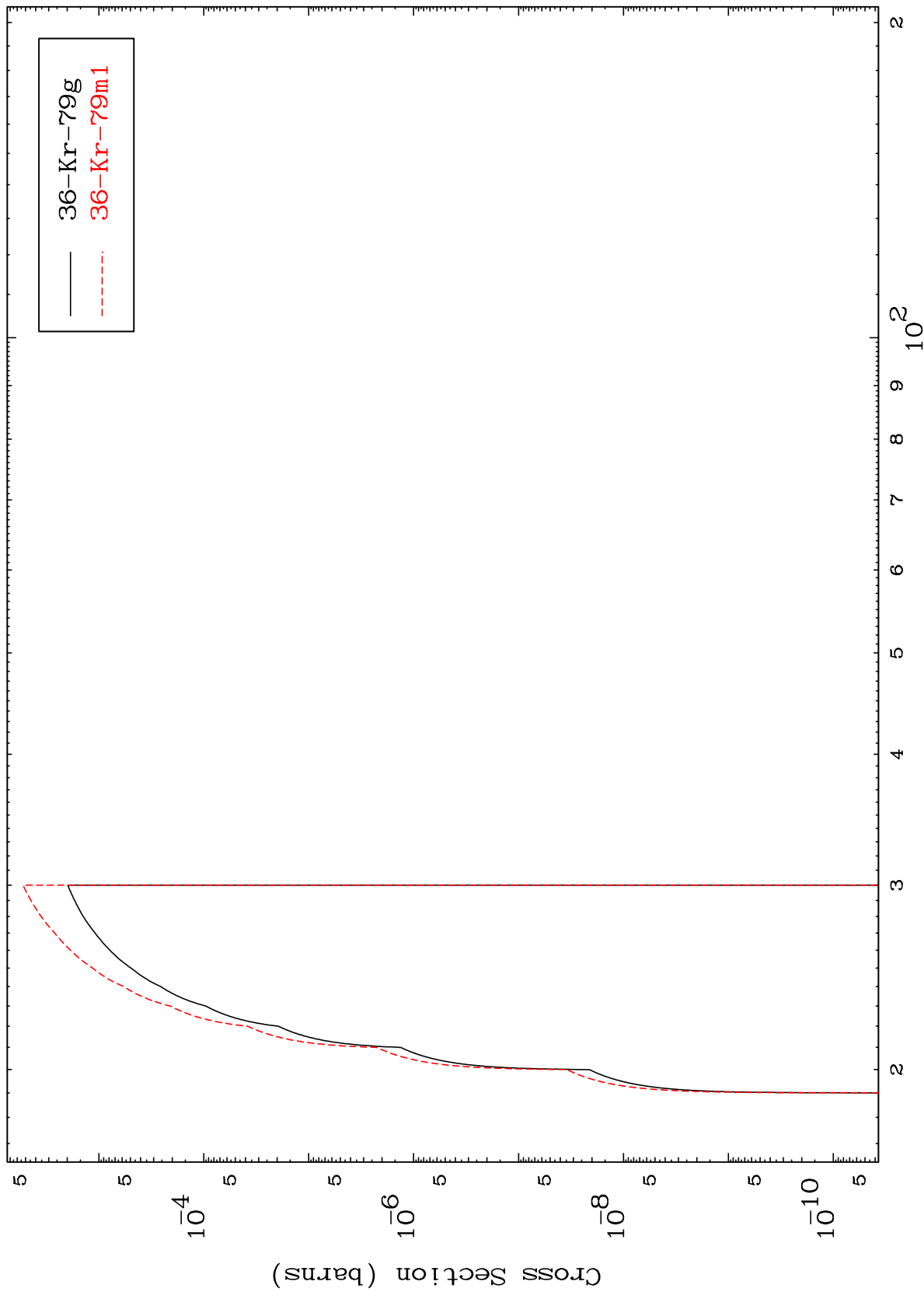
37-Rb-82

Radionuclide Production Cross Section

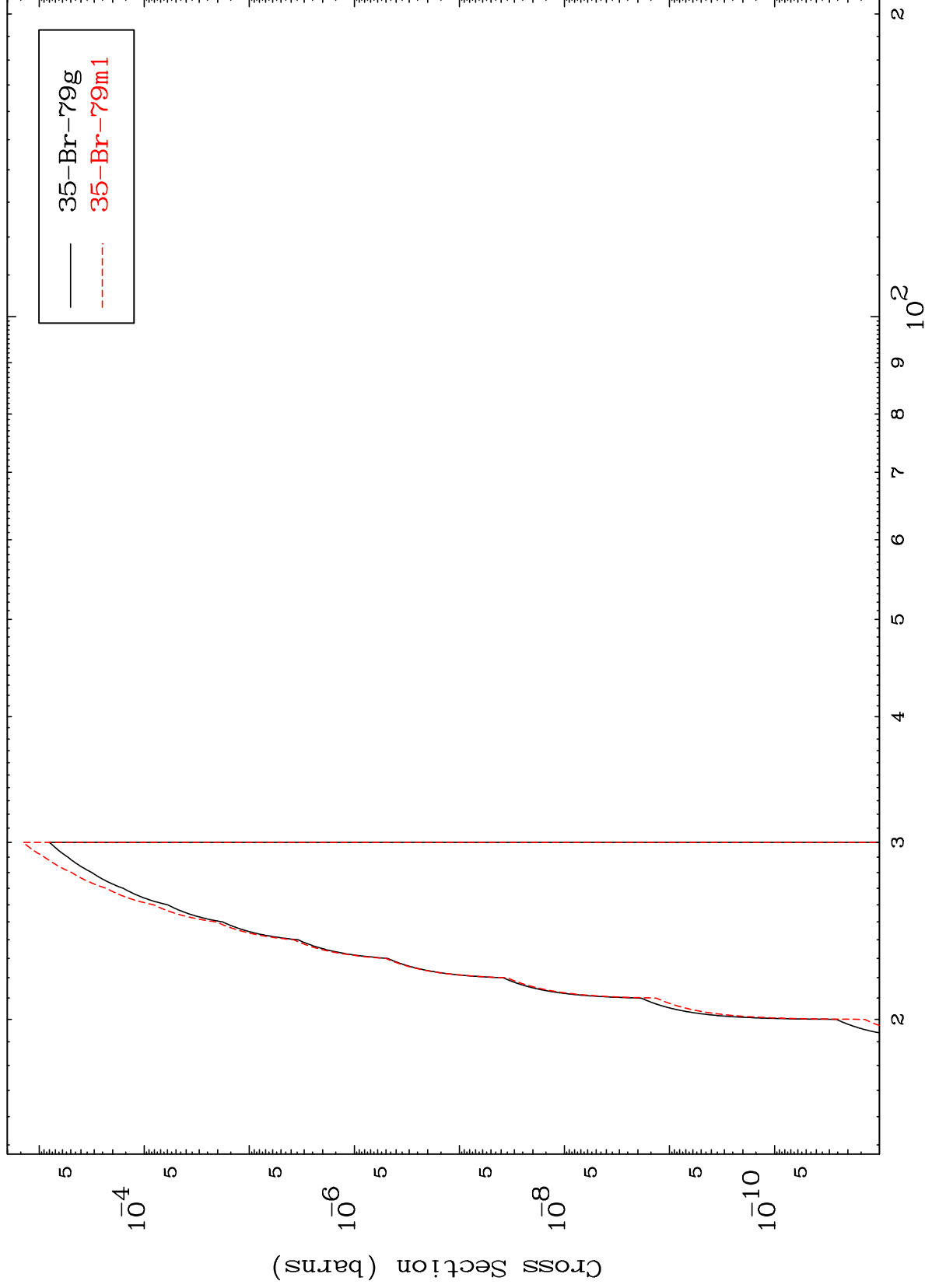


36-Kr-81g
36-Kr-81m2

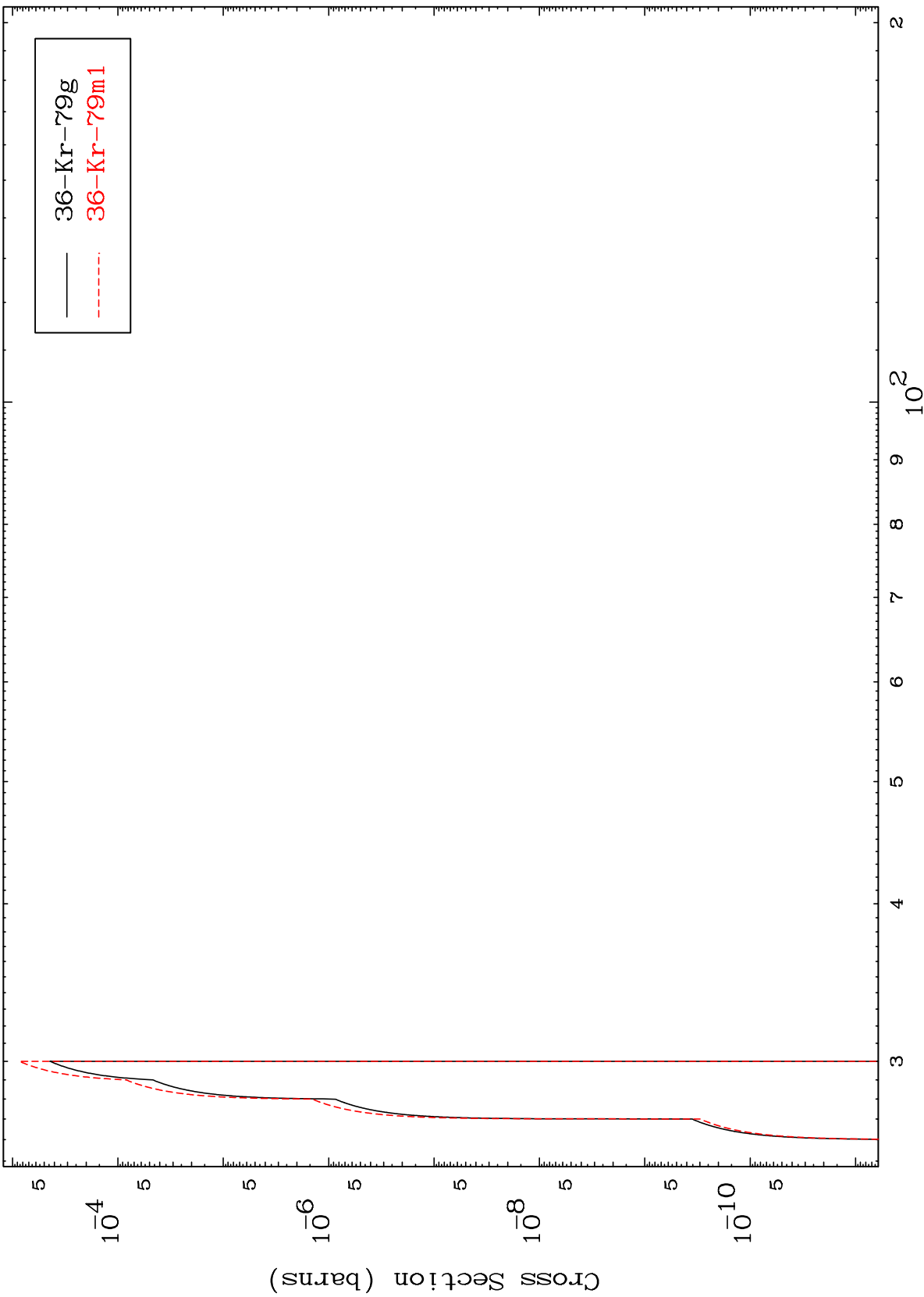
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section

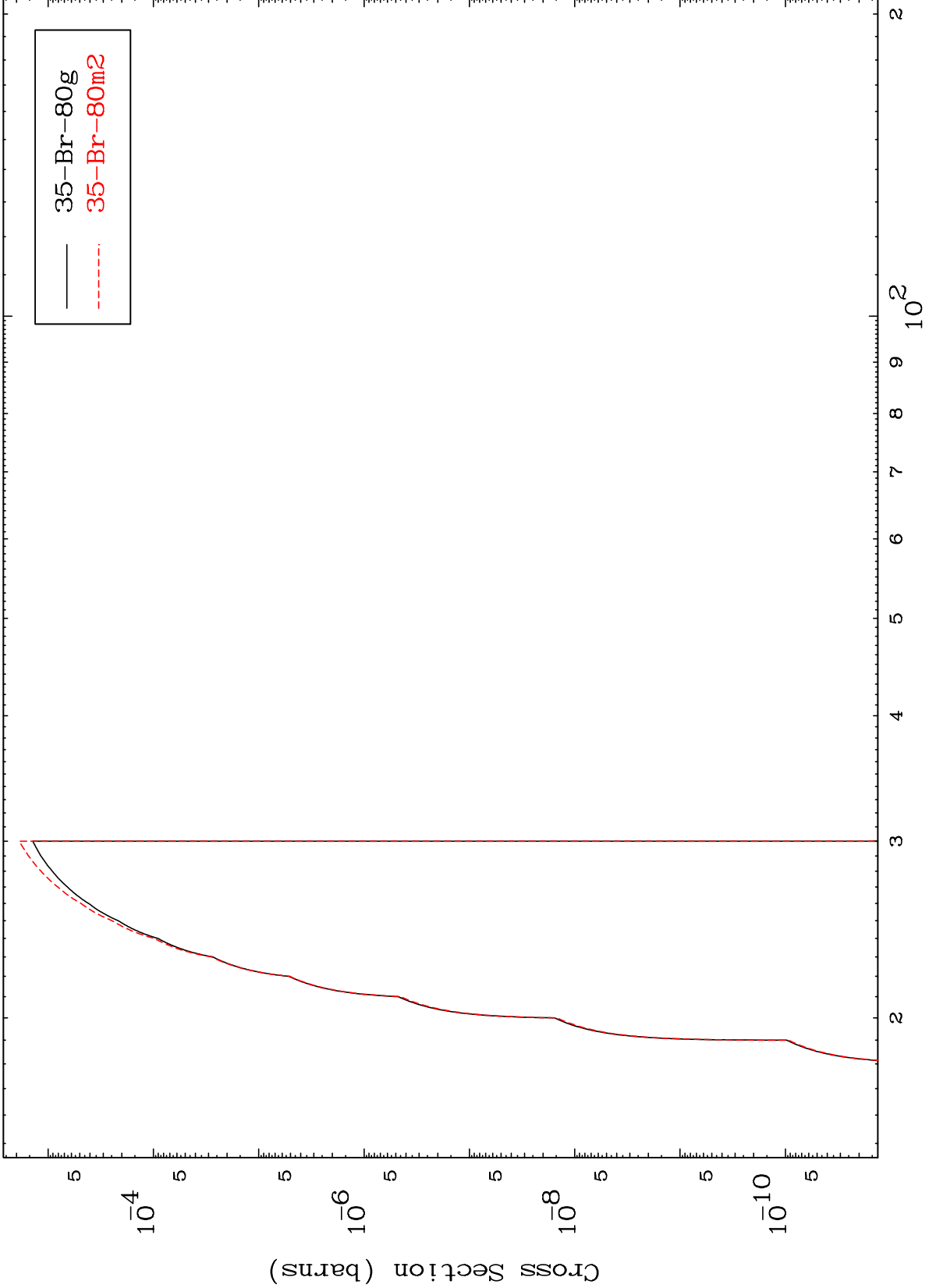


MAT 3716

(n,2n) p

37-Rb-82

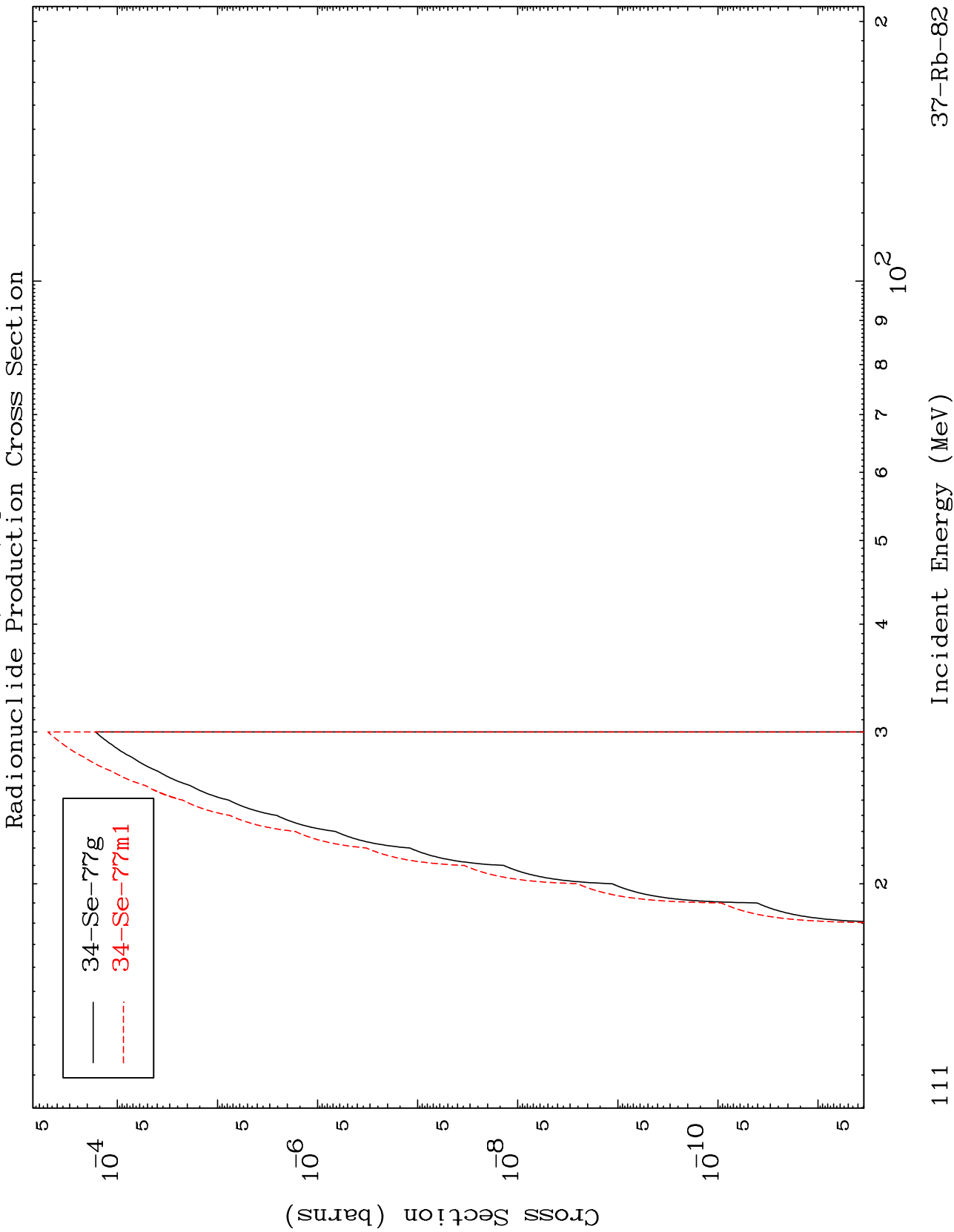
Radionuclide Production Cross Section



110

Incident Energy (MeV)

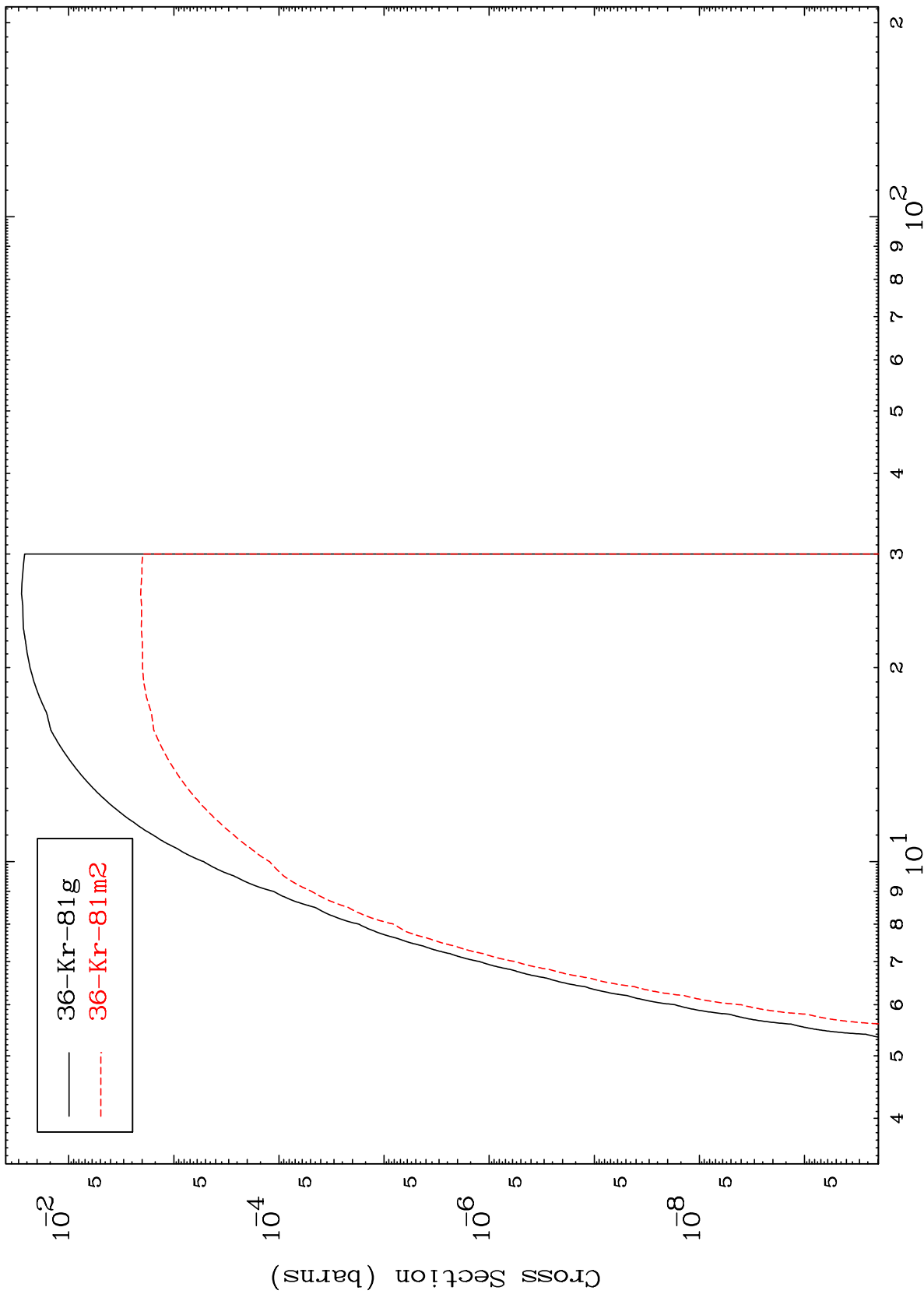
37-Rb-82



MAT 3716

37-Rb-82

(n,d)
Radionuclide Production Cross Section



112

Incident Energy (MeV)

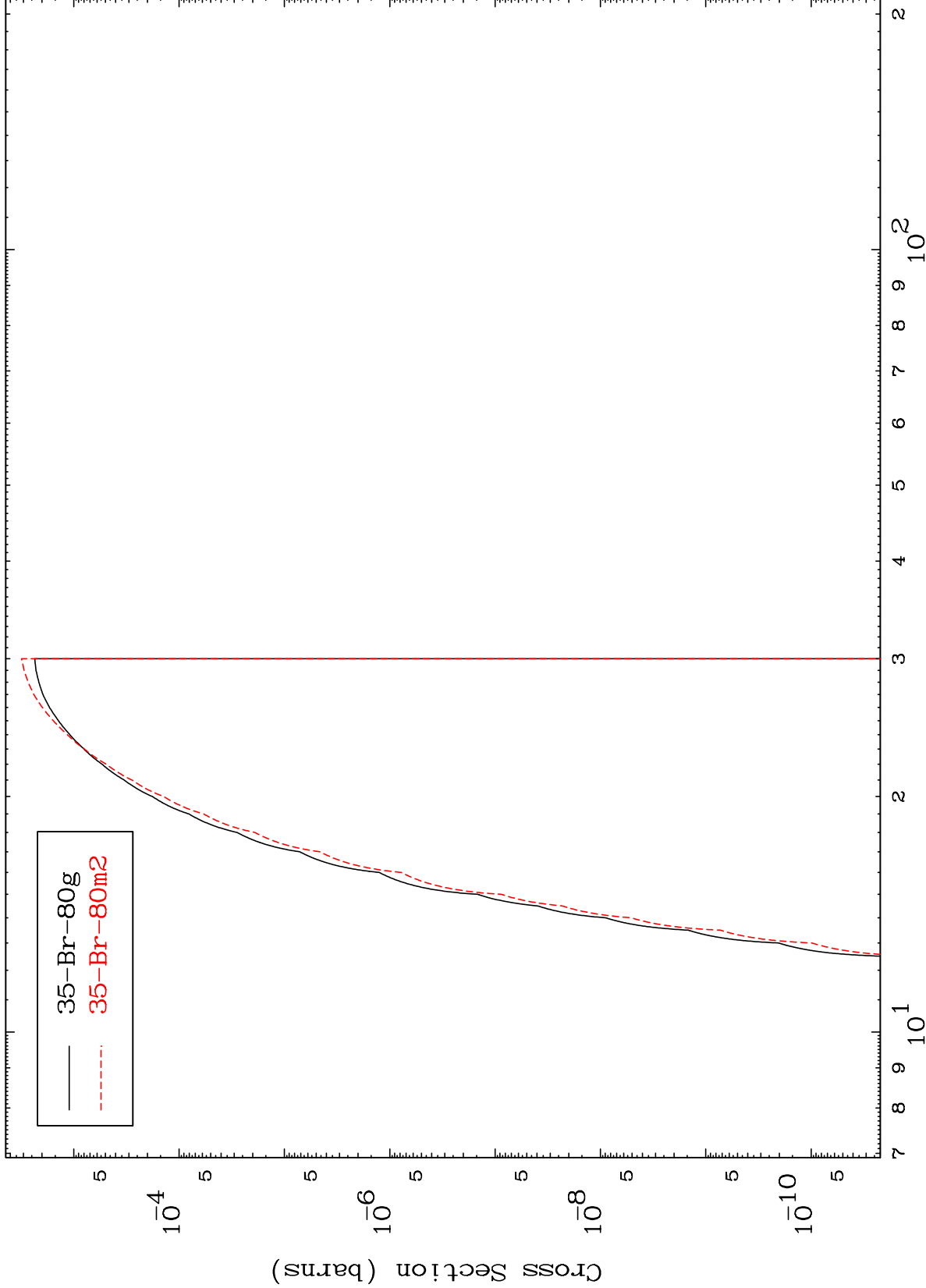
37-Rb-82

MAT 3716

(n,He-3)

37-Rb-82

Radionuclide Production Cross Section



113

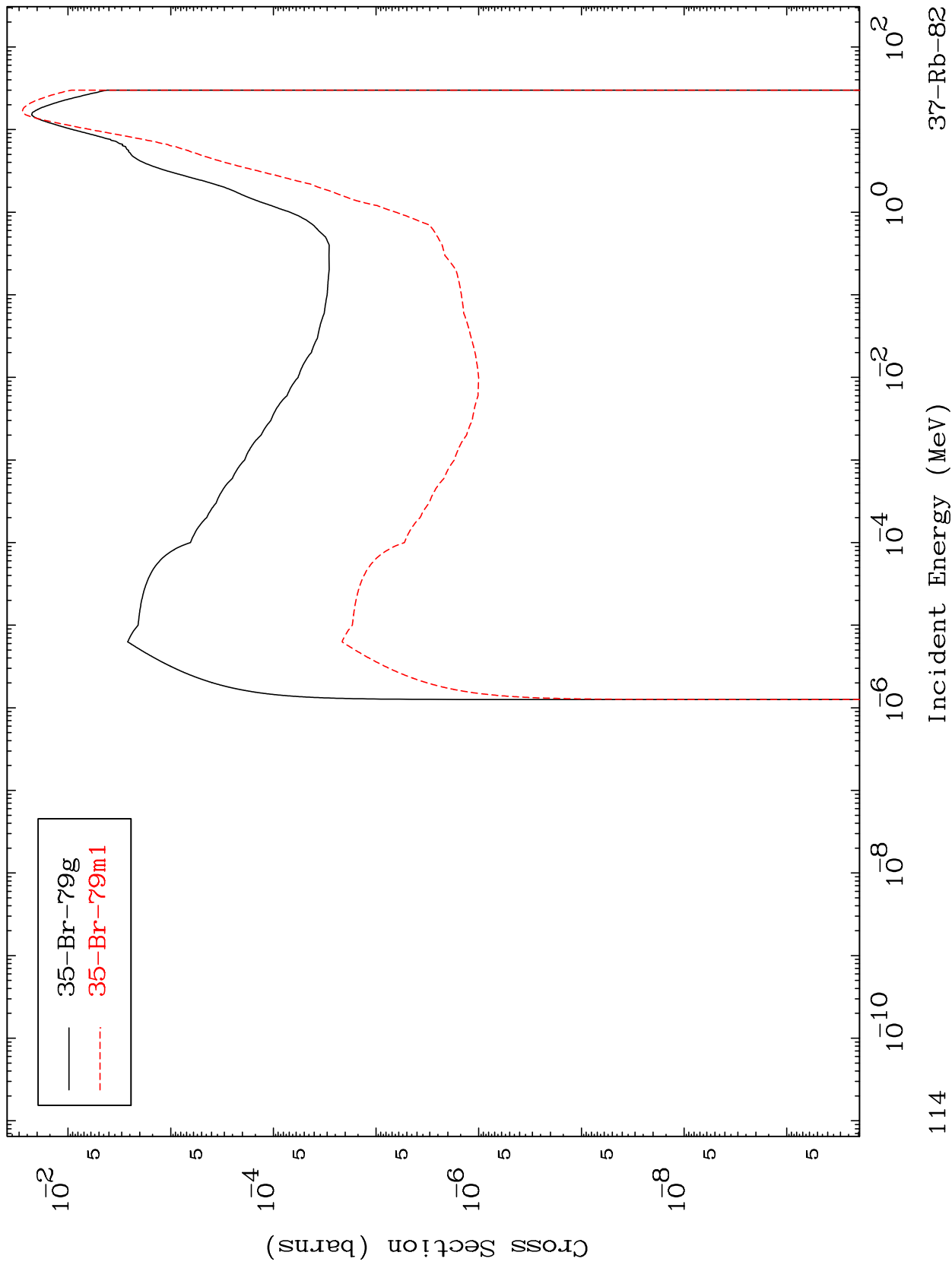
Incident Energy (MeV)

37-Rb-82

MAT 3716

37-Rb-82

Radionuclide Production Cross Section
(n, α)

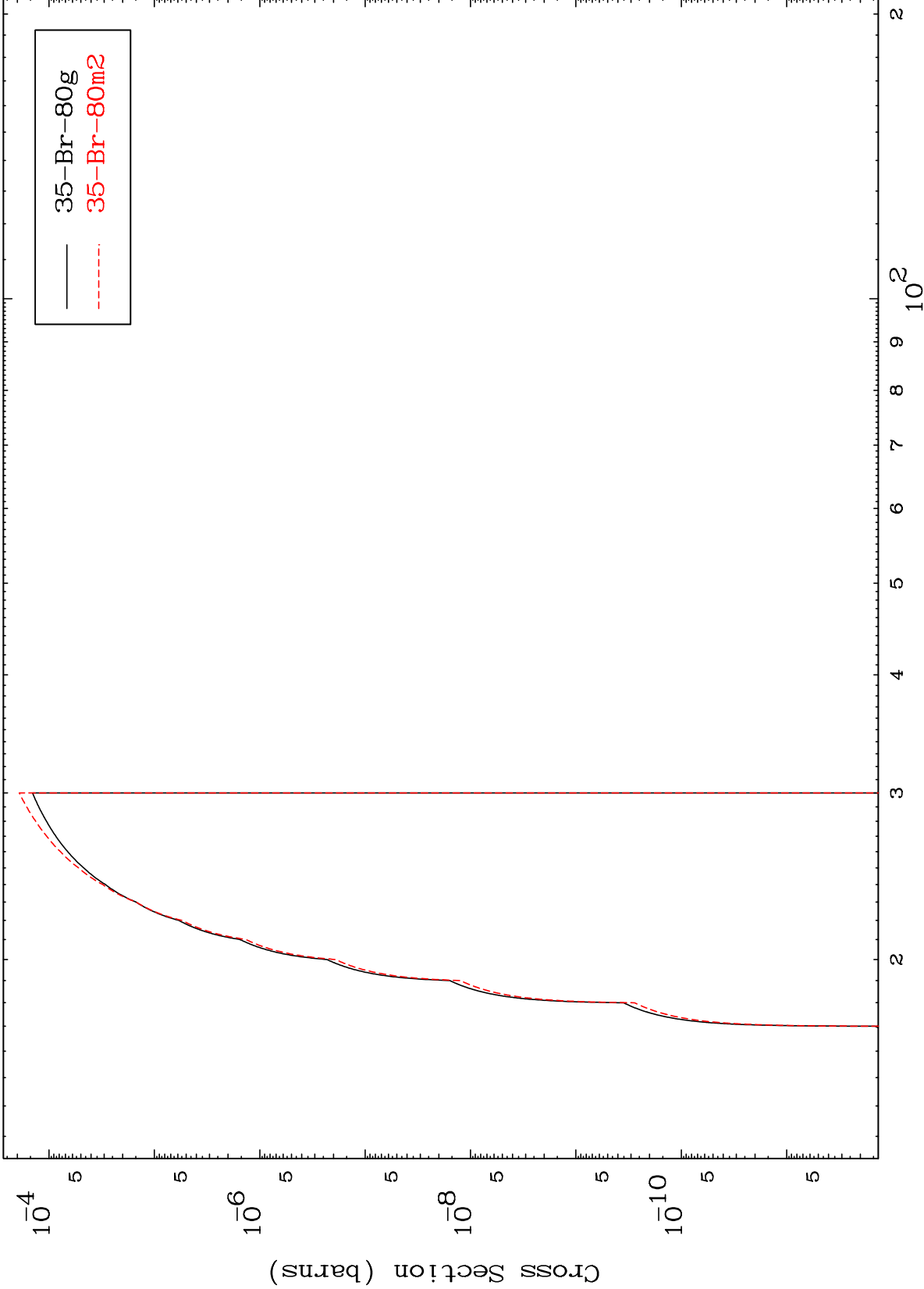


MAT 3716

(n,p) d

37-Rb-82

Radionuclide Production Cross Section



115

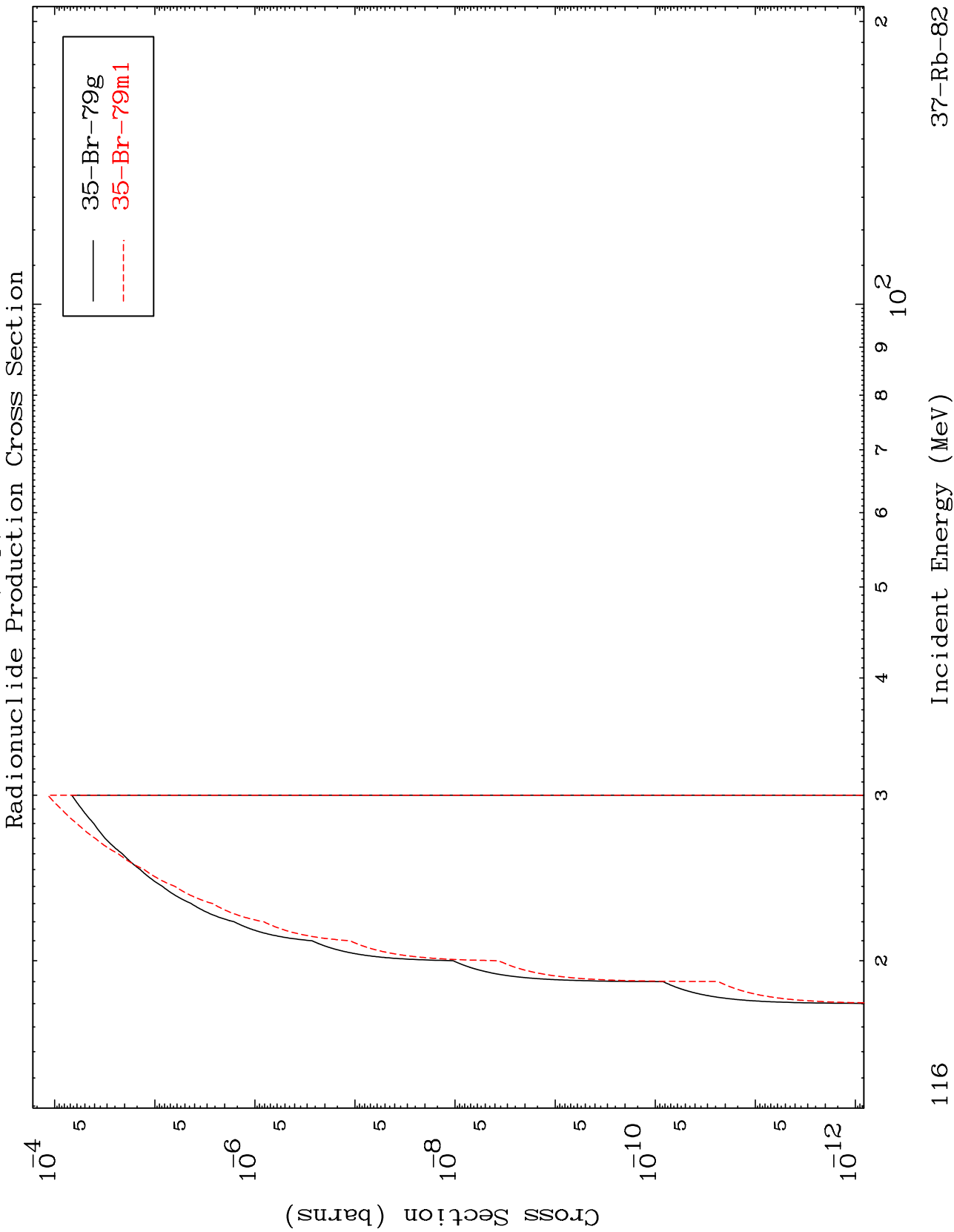
Incident Energy (MeV)

37-Rb-82

MAT 3716

(n,p) t

37-Rb-82



116

Incident Energy (MeV)

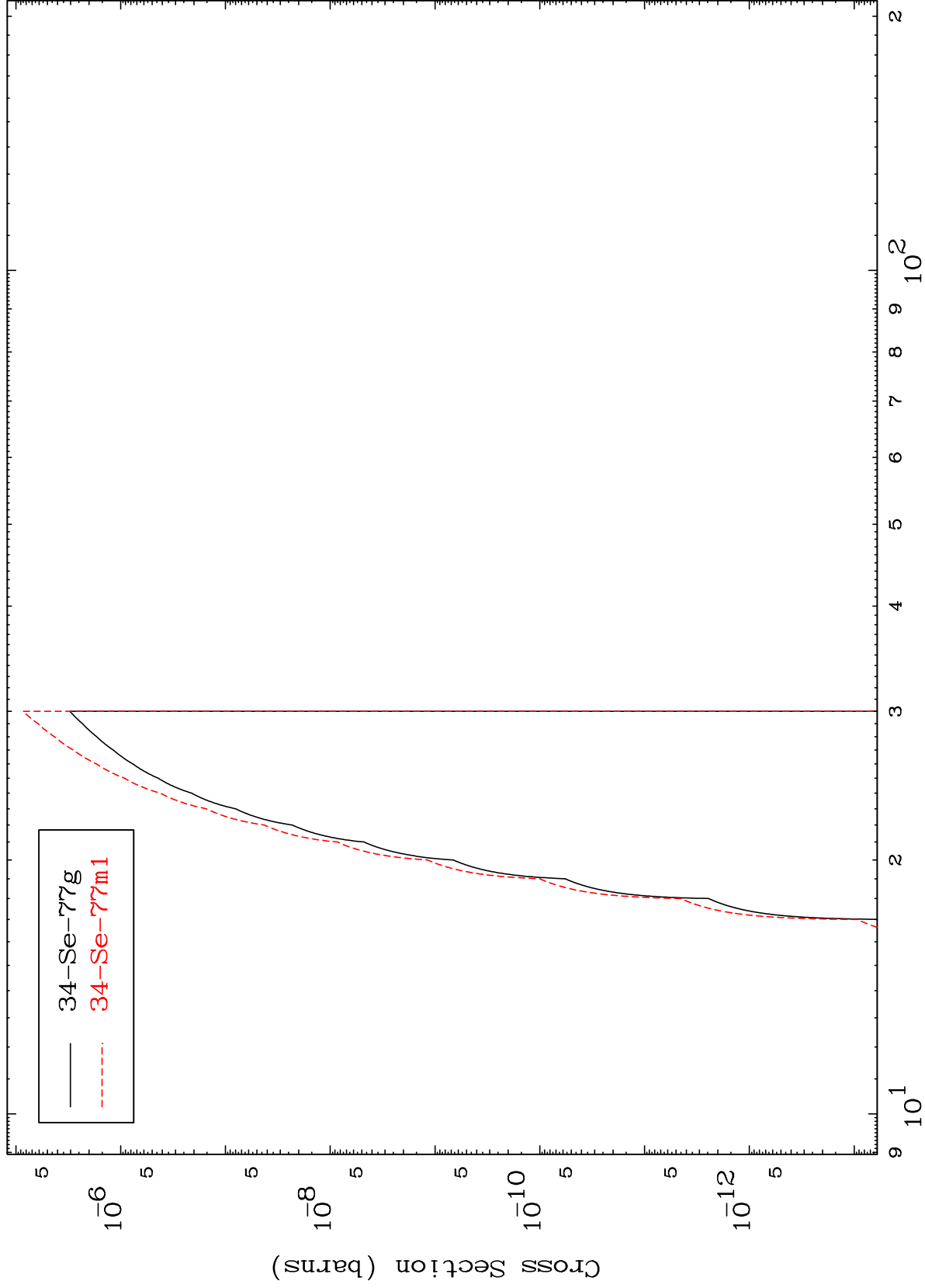
37-Rb-82

MAT 3716

(n,d) α

37-Rb-82

Radionuclide Production Cross Section



117

Incident Energy (MeV)

37-Rb-82