

Program EVALPLOT  
(Version 2018-1)

by

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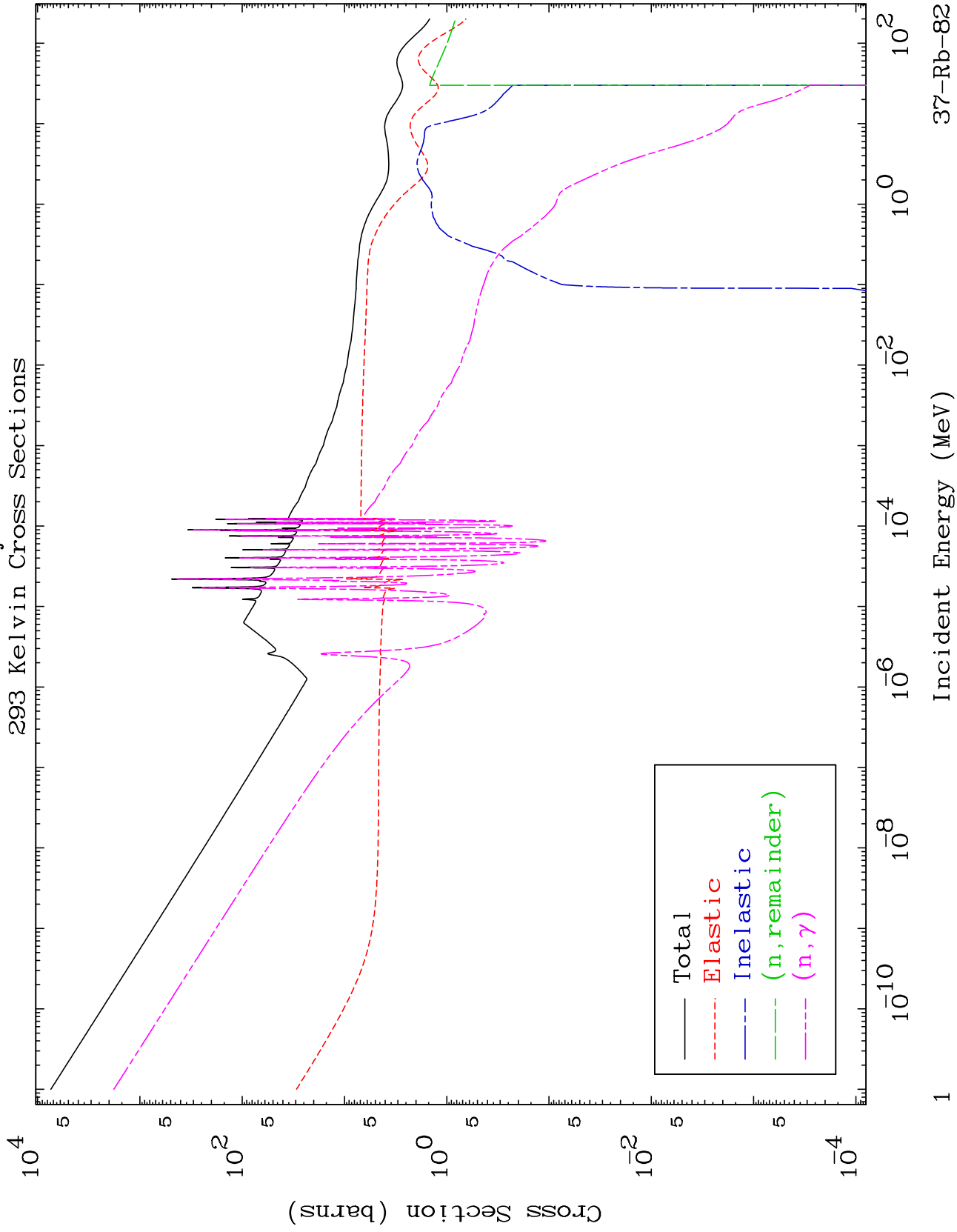
Press Mouse Button to Start

MAT 3716

Major

293 Kelvin Cross Sections

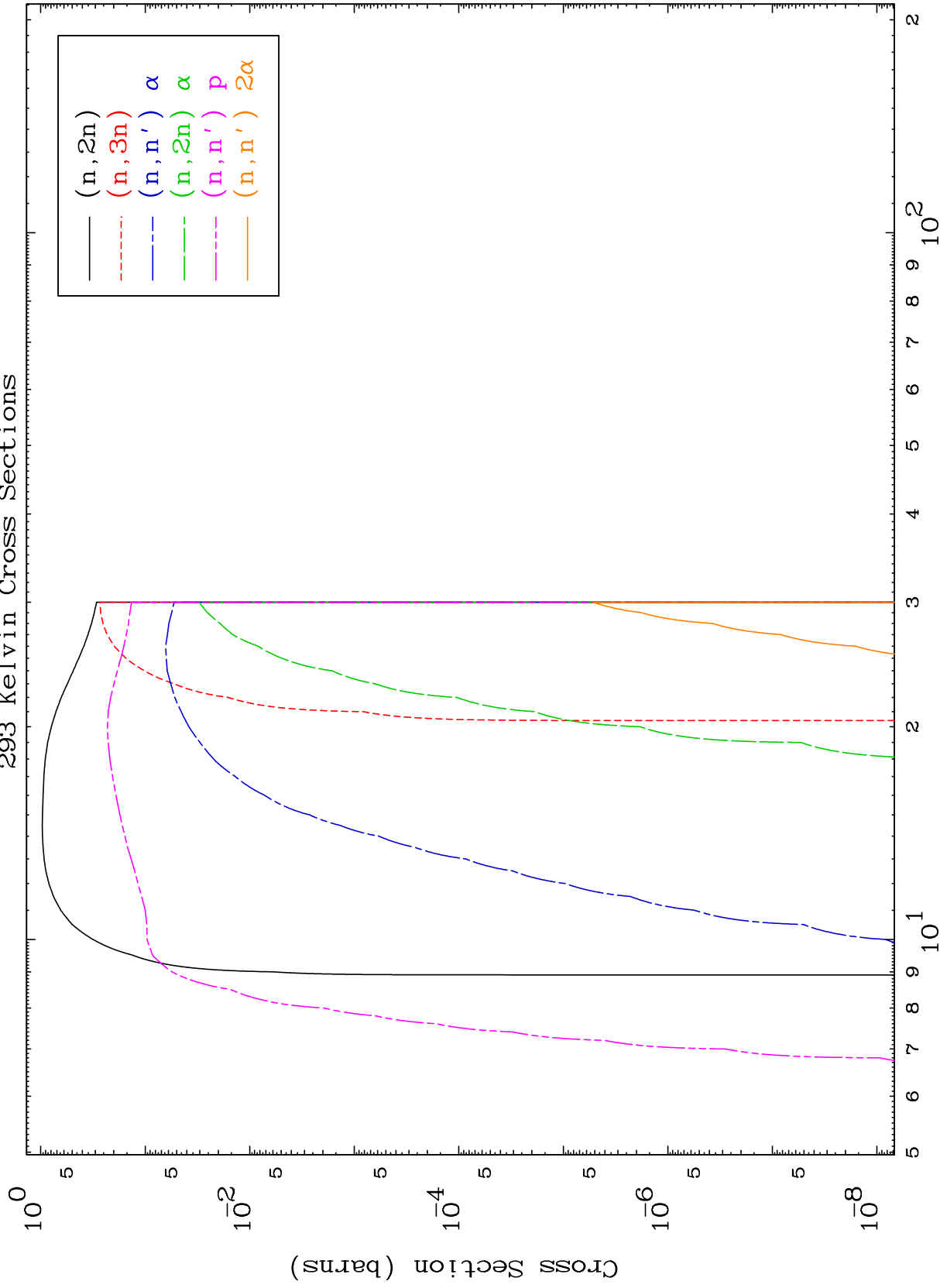
37-Rb-82



MAT 3716

Neutron Production  
293 Kelvin Cross Sections

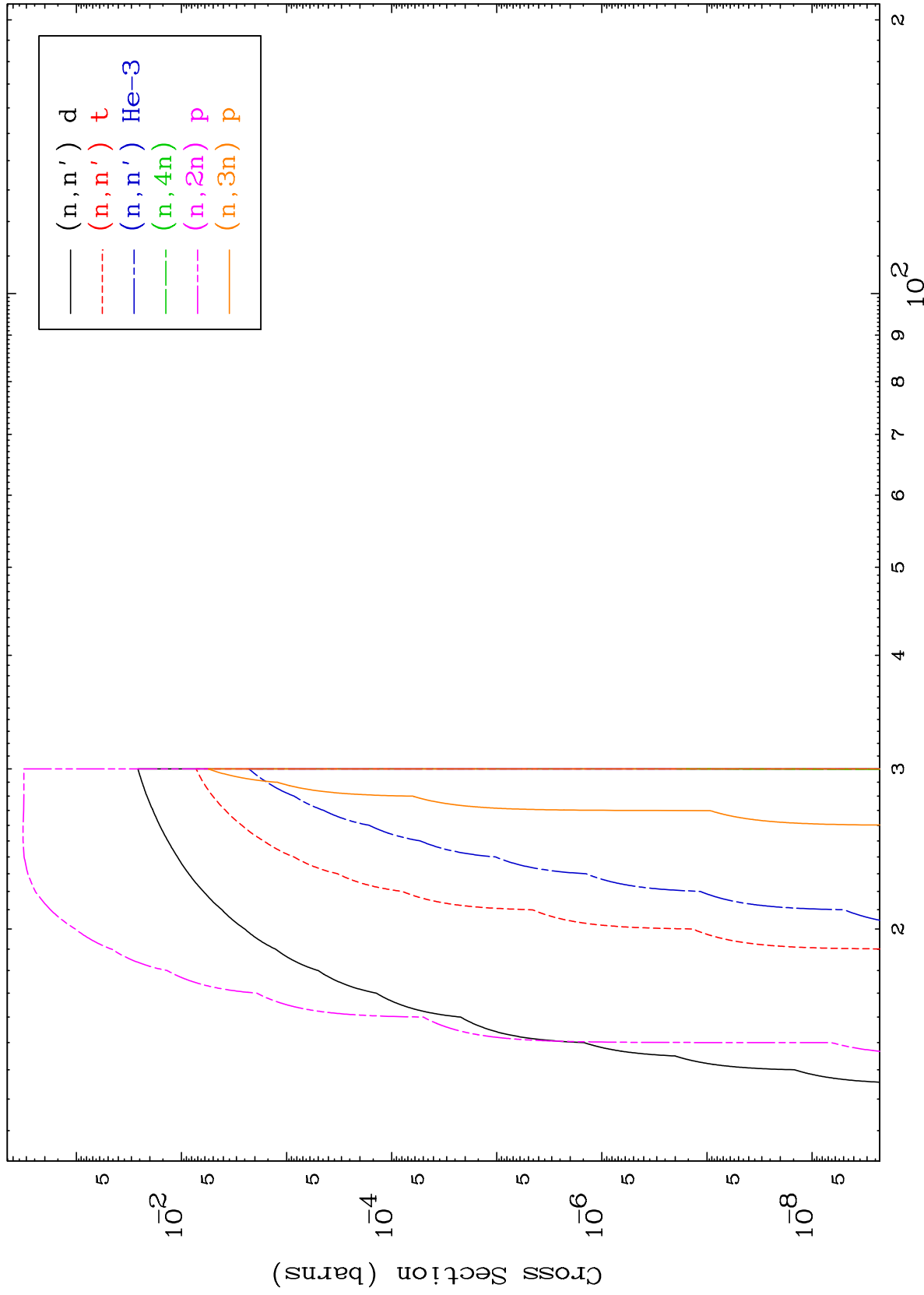
37-Rb-82



2

Incident Energy (MeV)

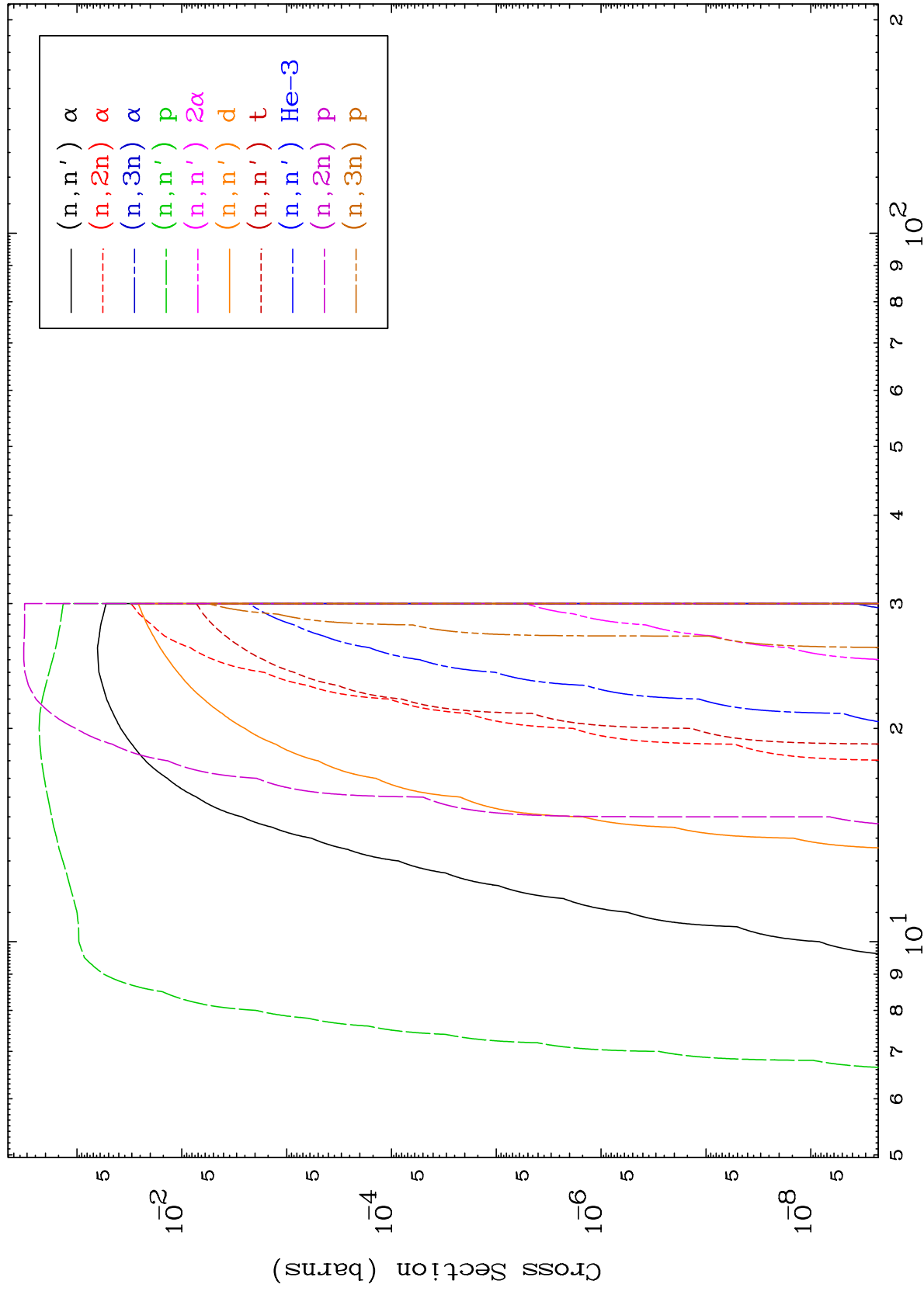
37-Rb-82



MAT 3716

Charged Particle  
293 Kelvin Cross Sections

37-Rb-82

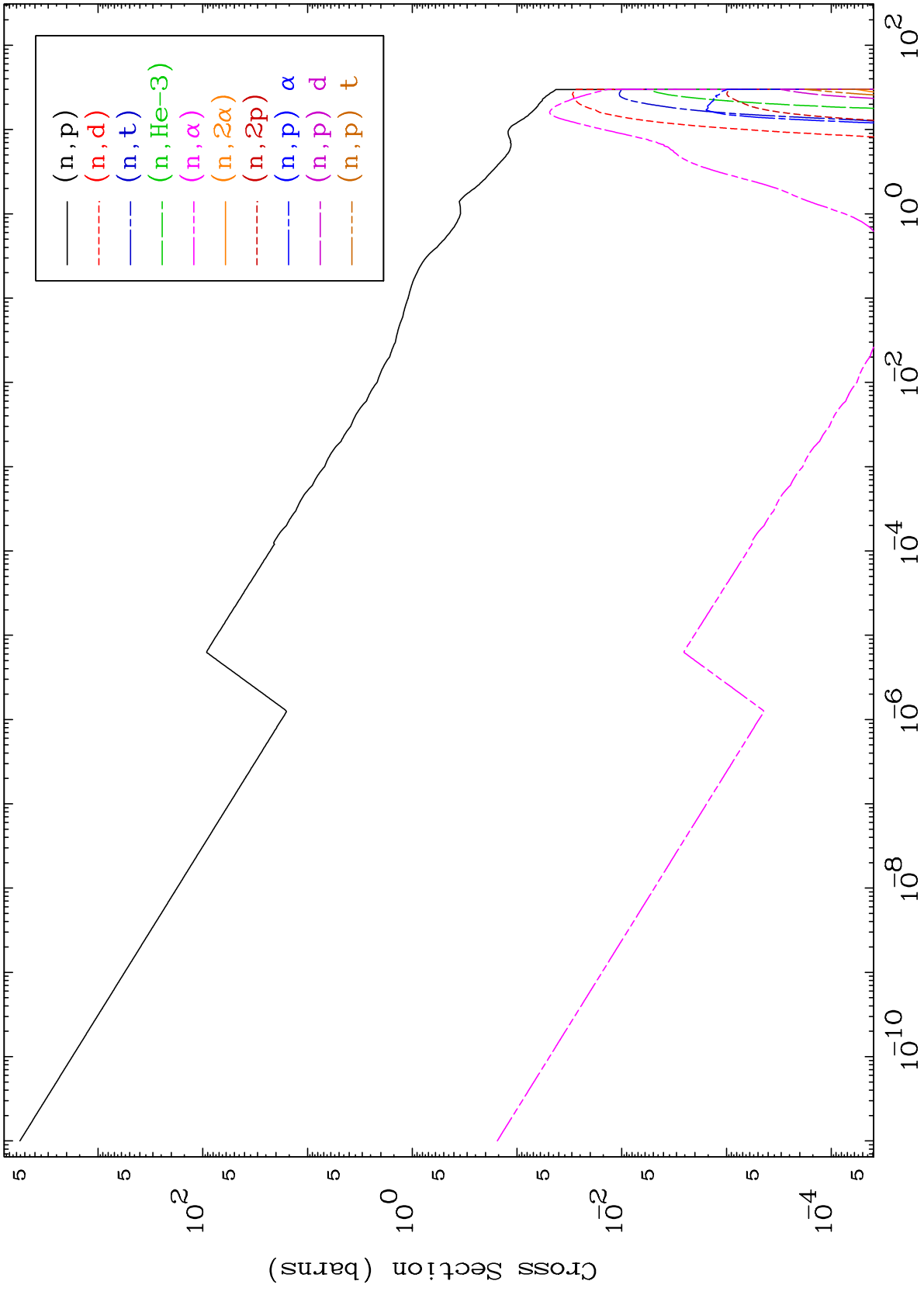


37-Rb-82

MAT 3716

Charged Particle  
293 Kelvin Cross Sections

37-Rb-82



5

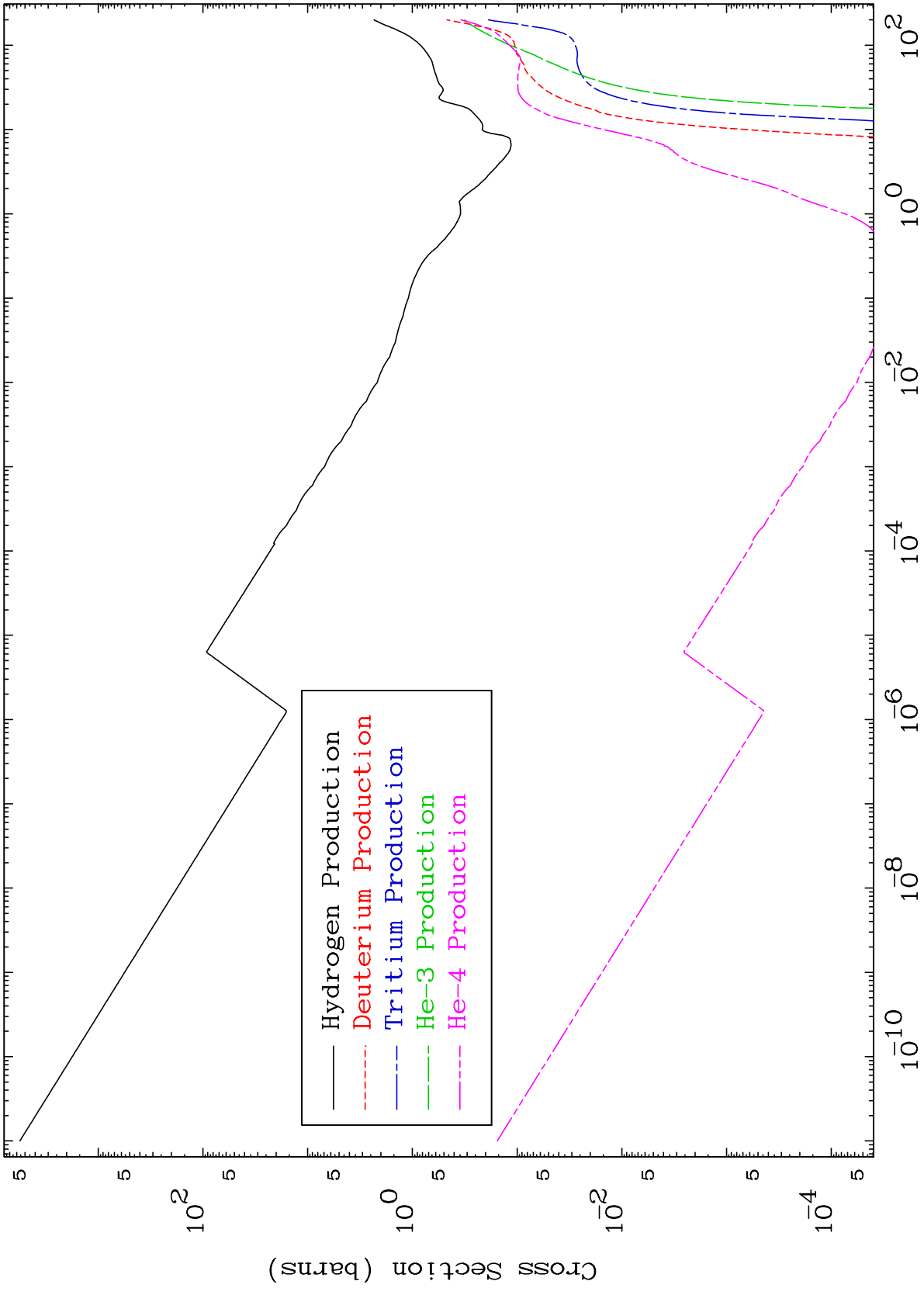
Incident Energy (MeV)

37-Rb-82

MAT 3716

Particle Production  
293 Kelvin Cross Sections

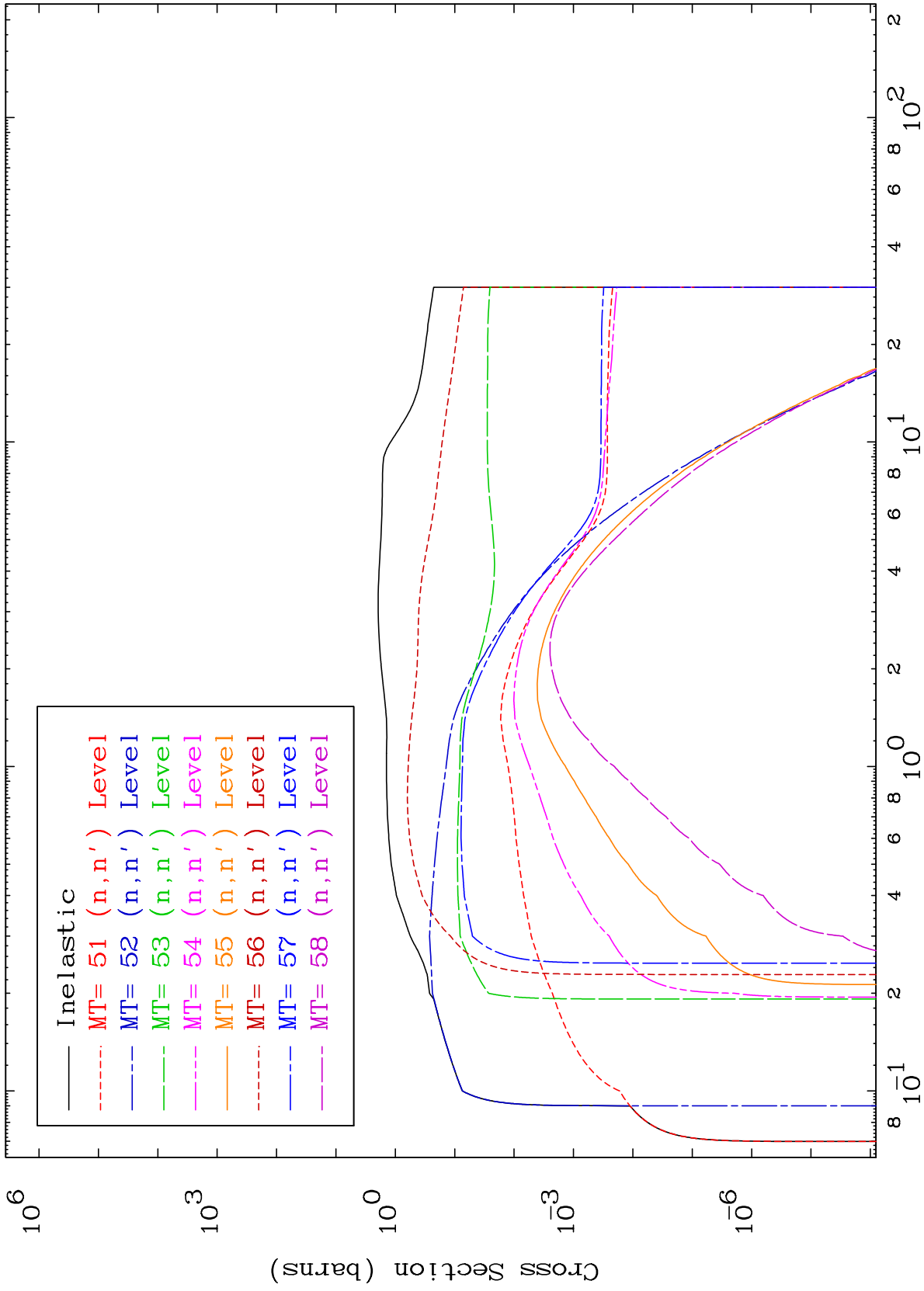
37-Rb-82



MAT 3716

(n,n') Level  
293 Kelvin Cross Sections

37-Rb-82



7

Incident Energy (MeV)

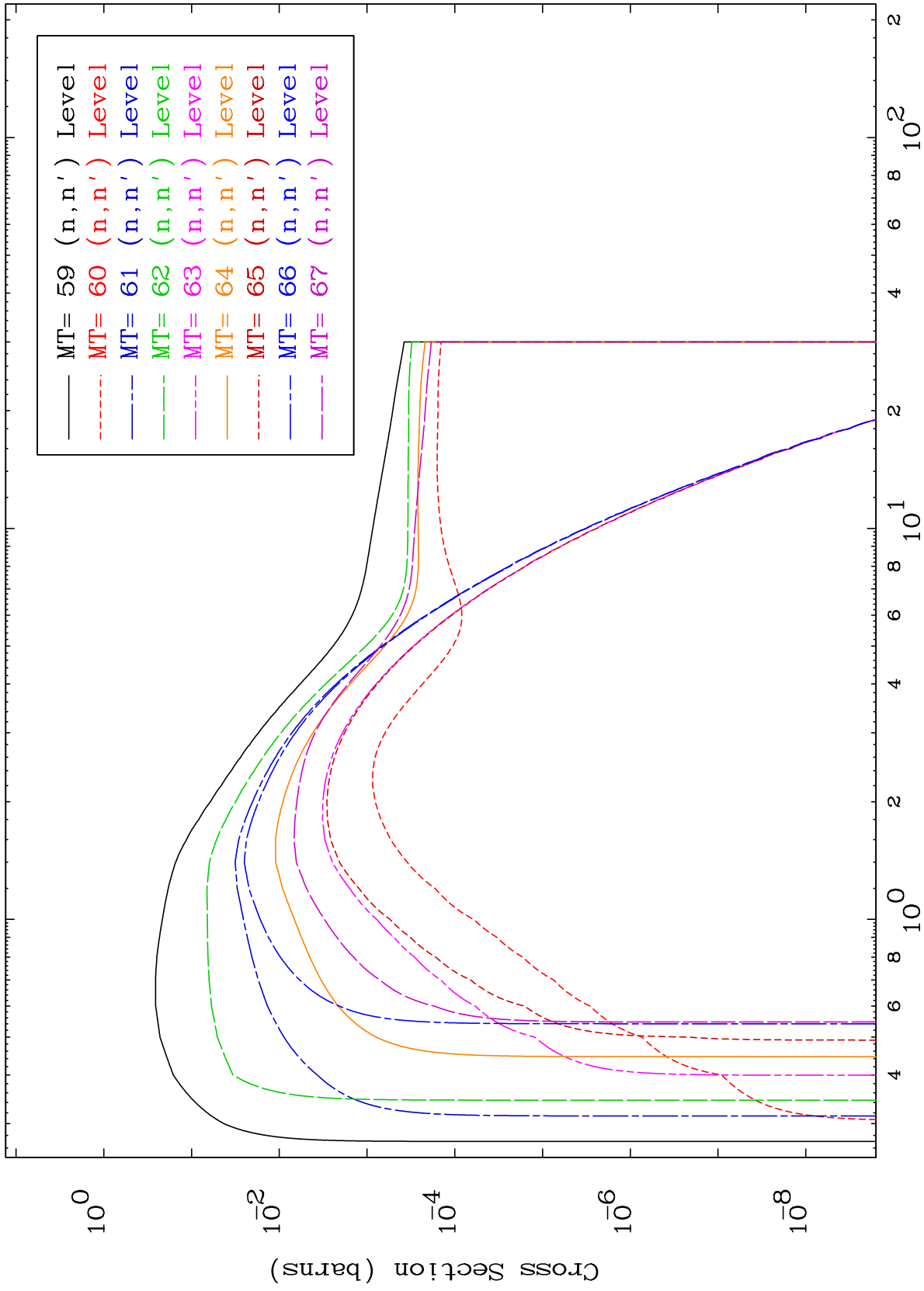
37-Rb-82



MAT 3716

(n,n') Level  
293 Kelvin Cross Sections

37-Rb-82



8

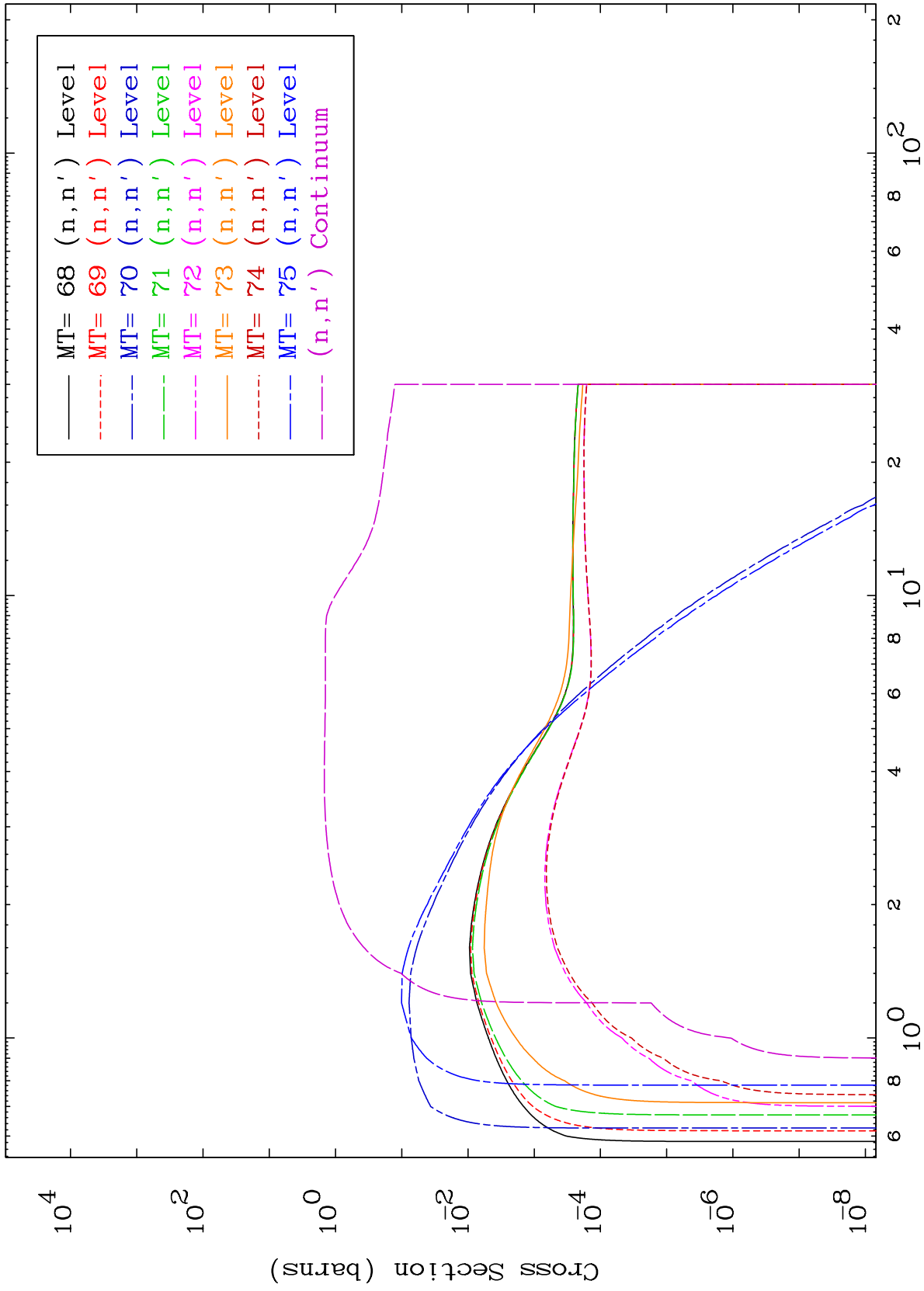
Incident Energy (MeV)

37-Rb-82

MAT 3716

(n,n') Level  
293 Kelvin Cross Sections

37-Rb-82



9

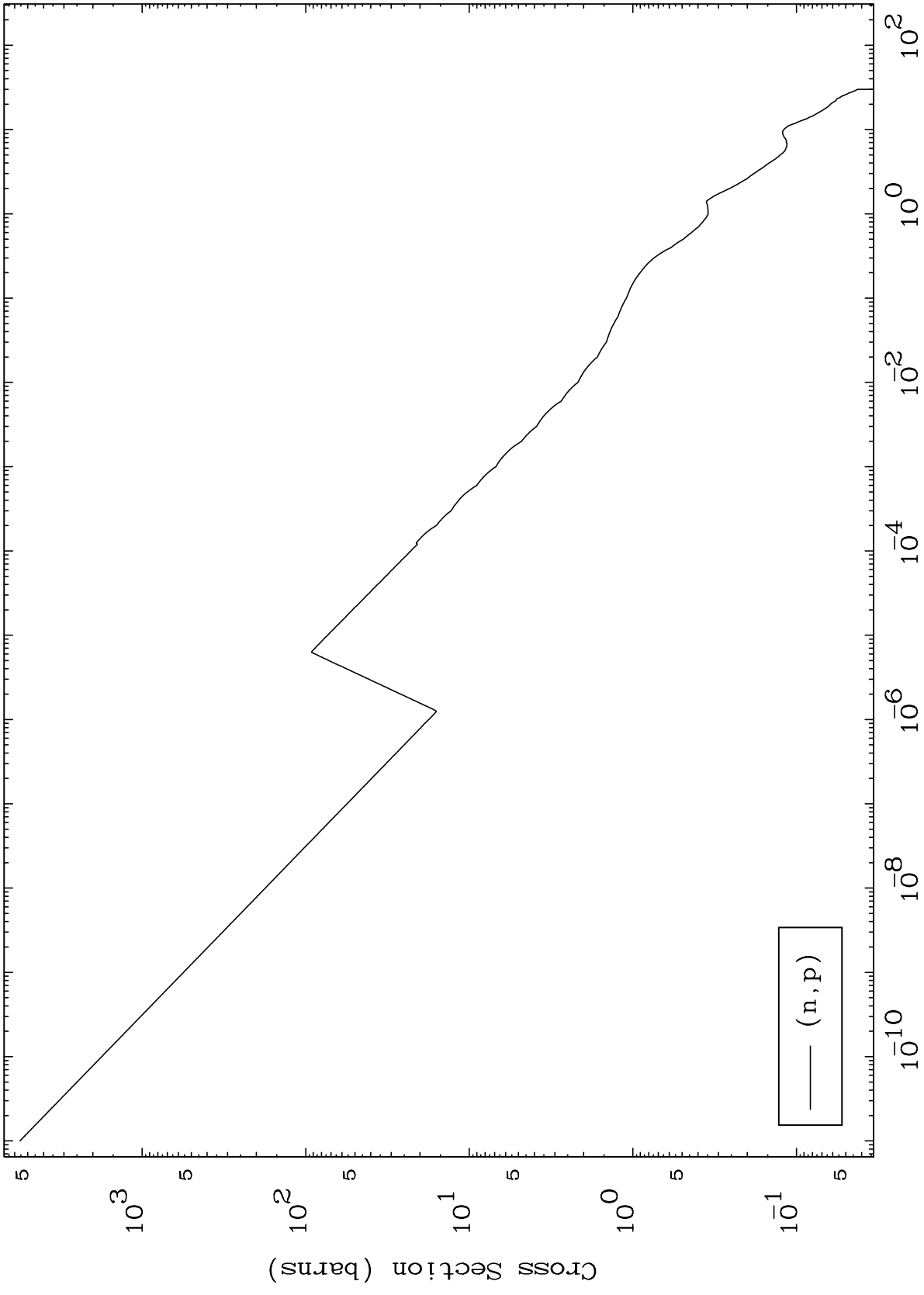
Incident Energy (MeV)

37-Rb-82

MAT 3716

(n,p) Levels  
293 Kelvin Cross Sections

37-Rb-82



10

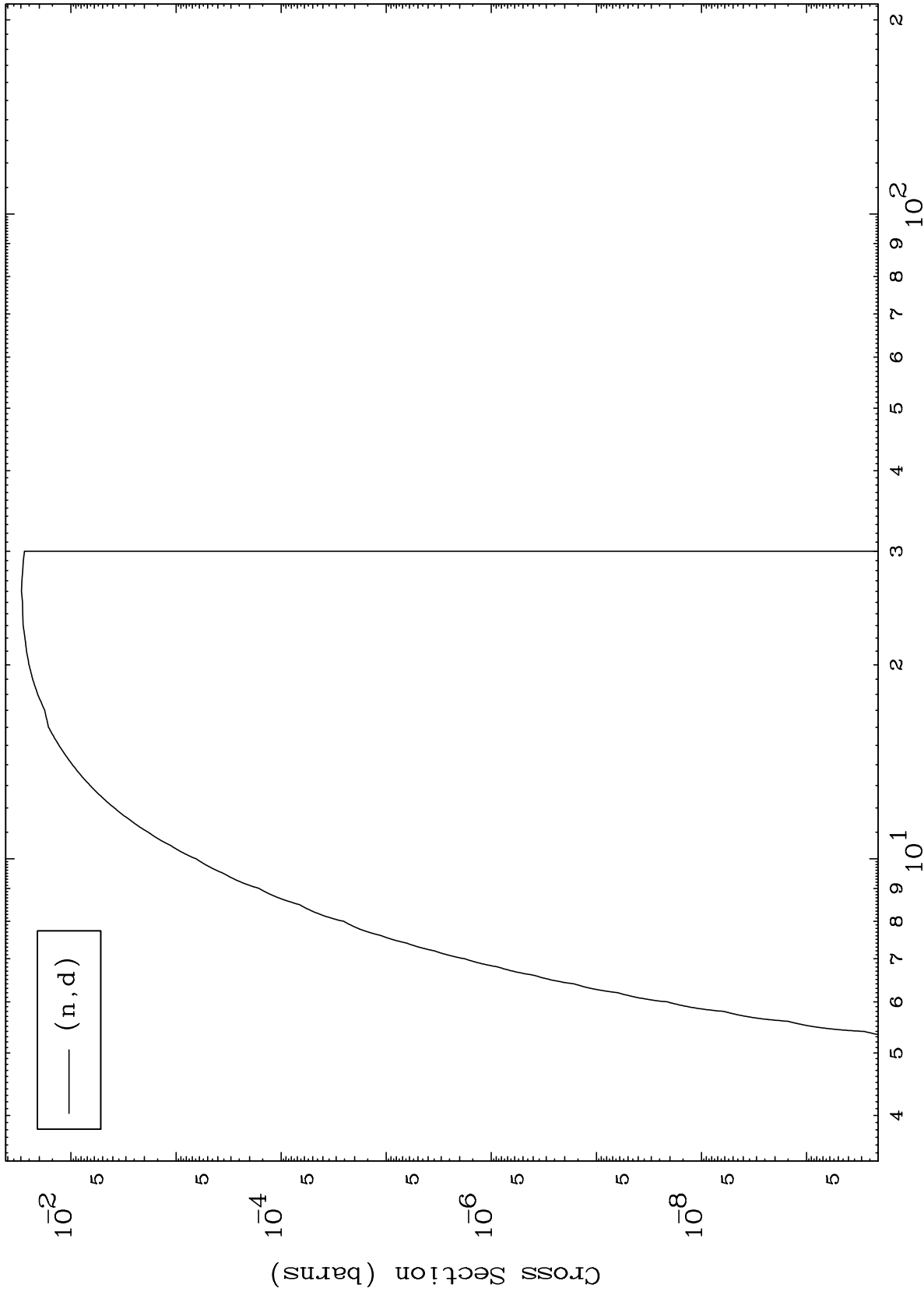
Incident Energy (MeV)

37-Rb-82

MAT 3716

(n,d) Levels  
293 Kelvin Cross Sections

37-Rb-82



11

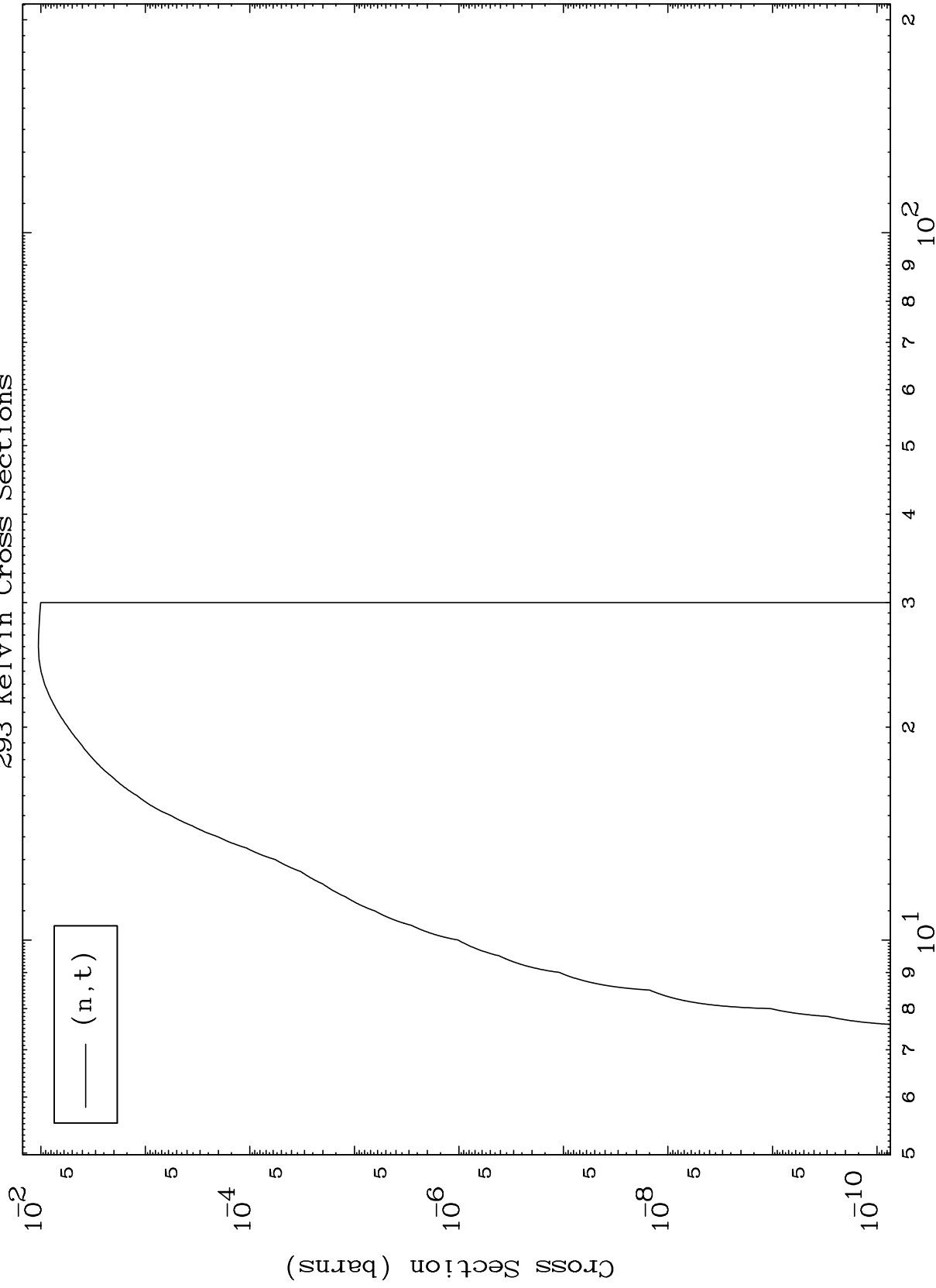
Incident Energy (MeV)

37-Rb-82

MAT 3716

(n,t) Levels  
293 Kelvin Cross Sections

37-Rb-82



12

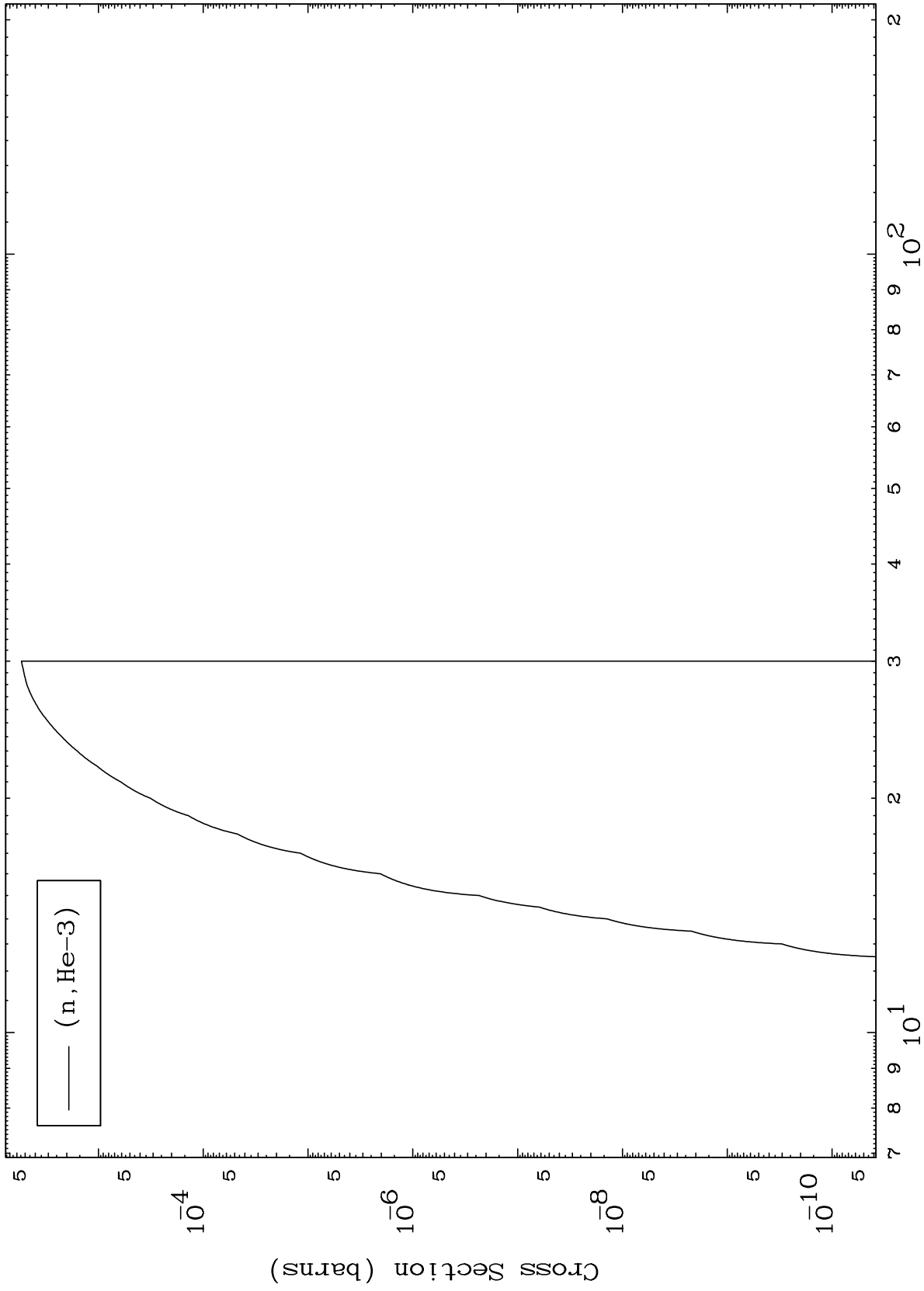
Incident Energy (MeV)

37-Rb-82

MAT 3716

(n,He3) Levels  
293 Kelvin Cross Sections

37-Rb-82



13

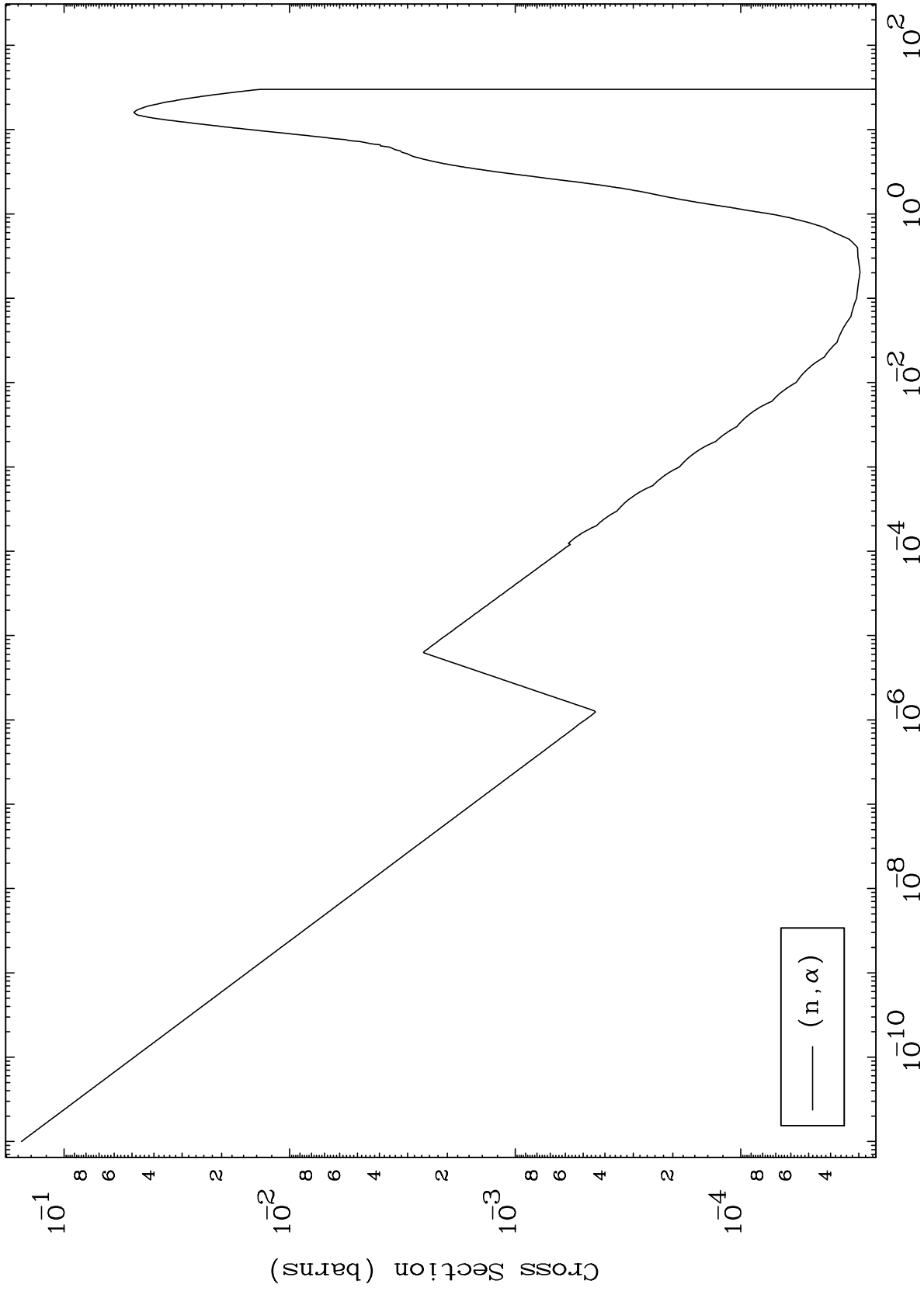
Incident Energy (MeV)

37-Rb-82

MAT 3716

(n,α) Levels  
293 Kelvin Cross Sections

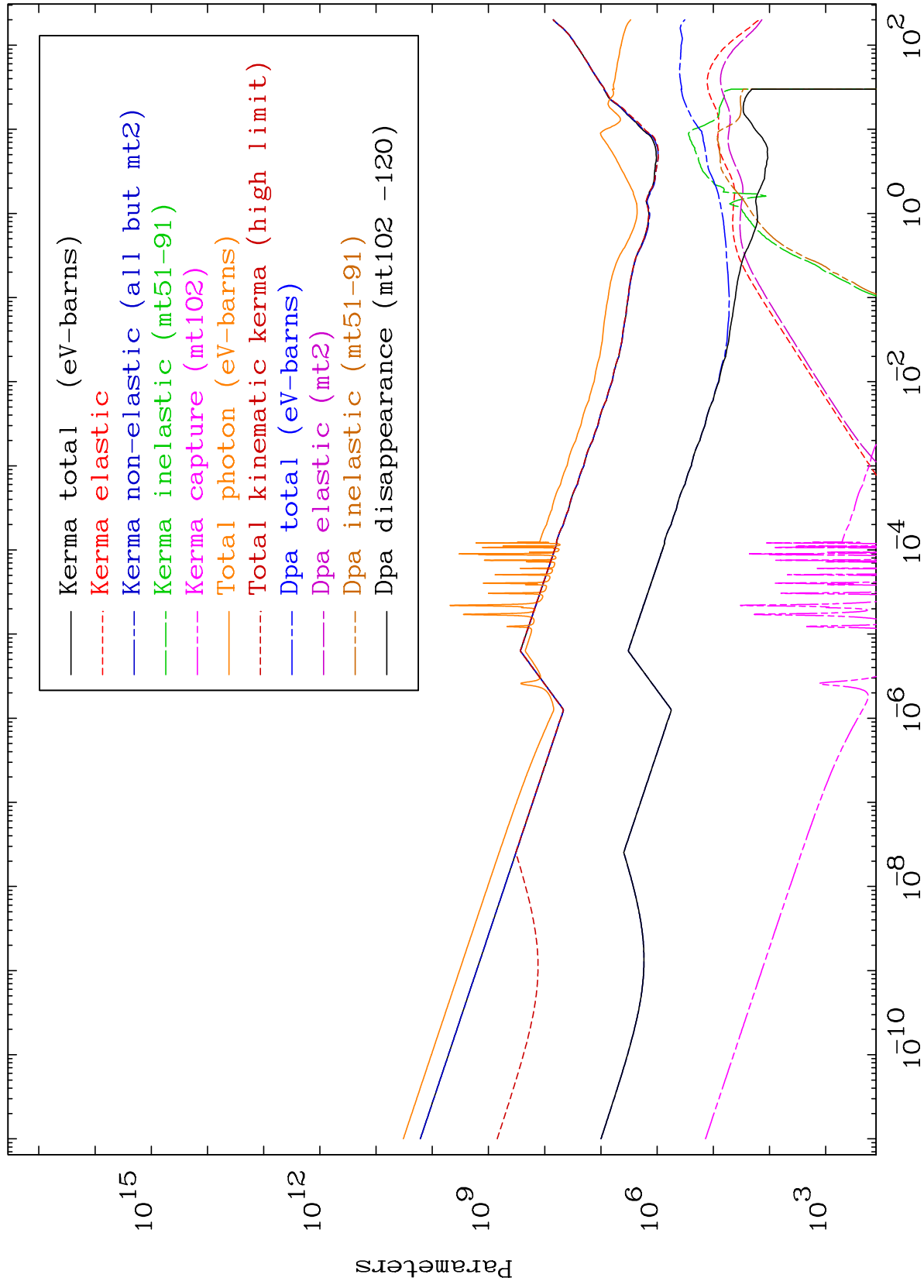
37-Rb-82



14

Incident Energy (MeV)

37-Rb-82

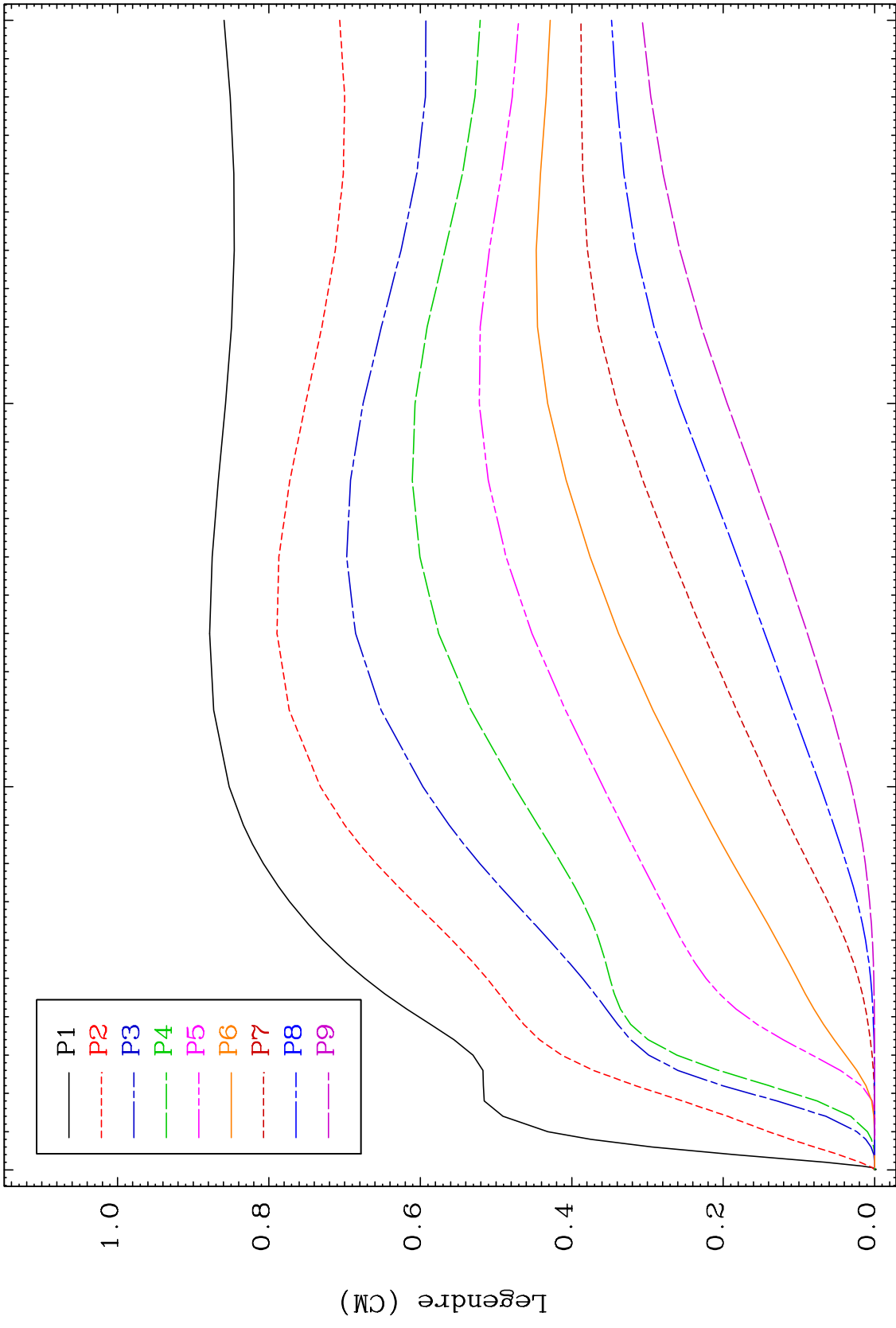




MAT 3716

Elastic Legendre Coefficients

37-Rb-82



16

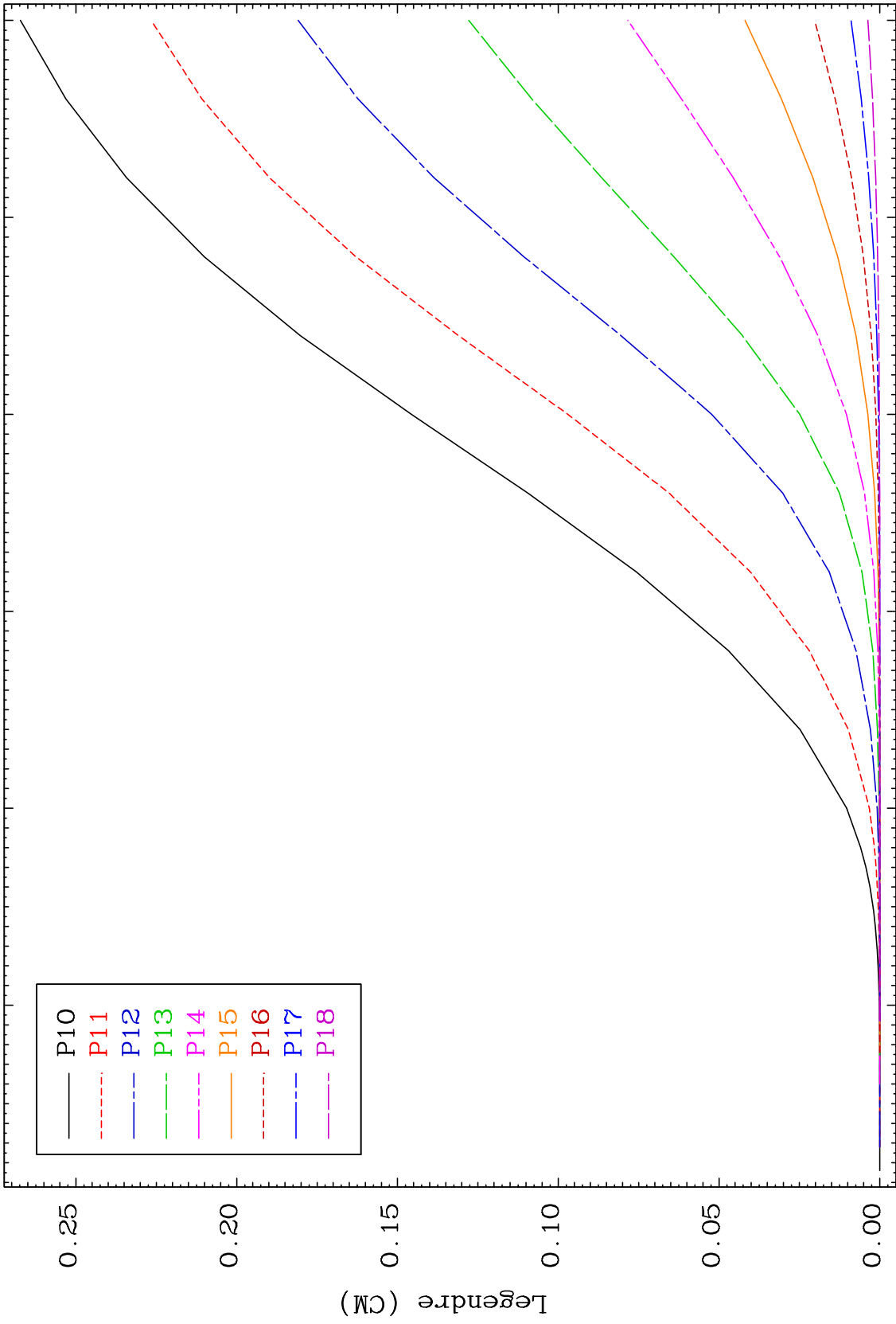
Incident Energy (MeV)

37-Rb-82

MAT 3716

Elastic Legendre Coefficients

37-Rb-82



17

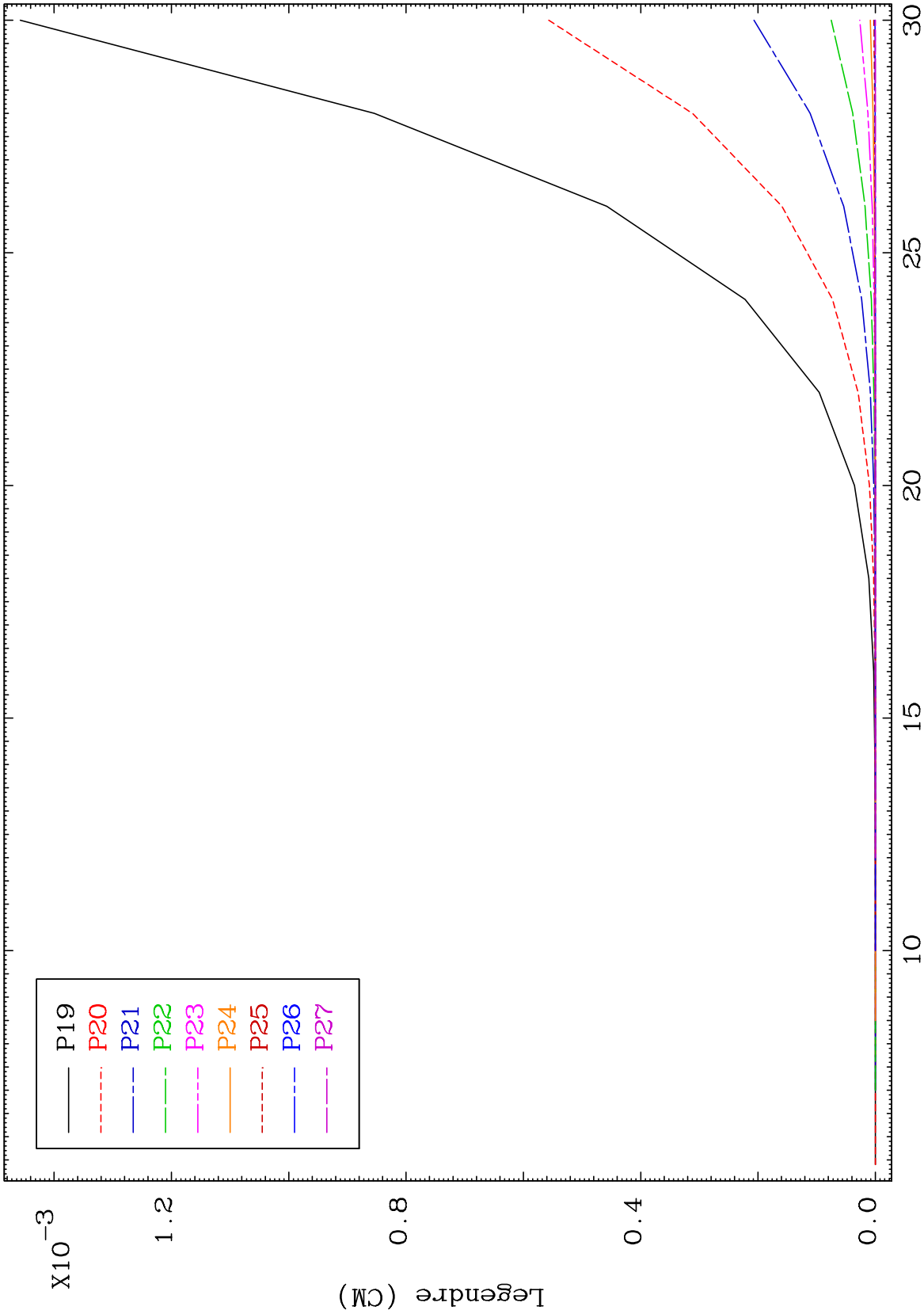
Incident Energy (MeV)

37-Rb-82

MAT 3716

### Elastic Legendre Coefficients

37-Rb-82



18

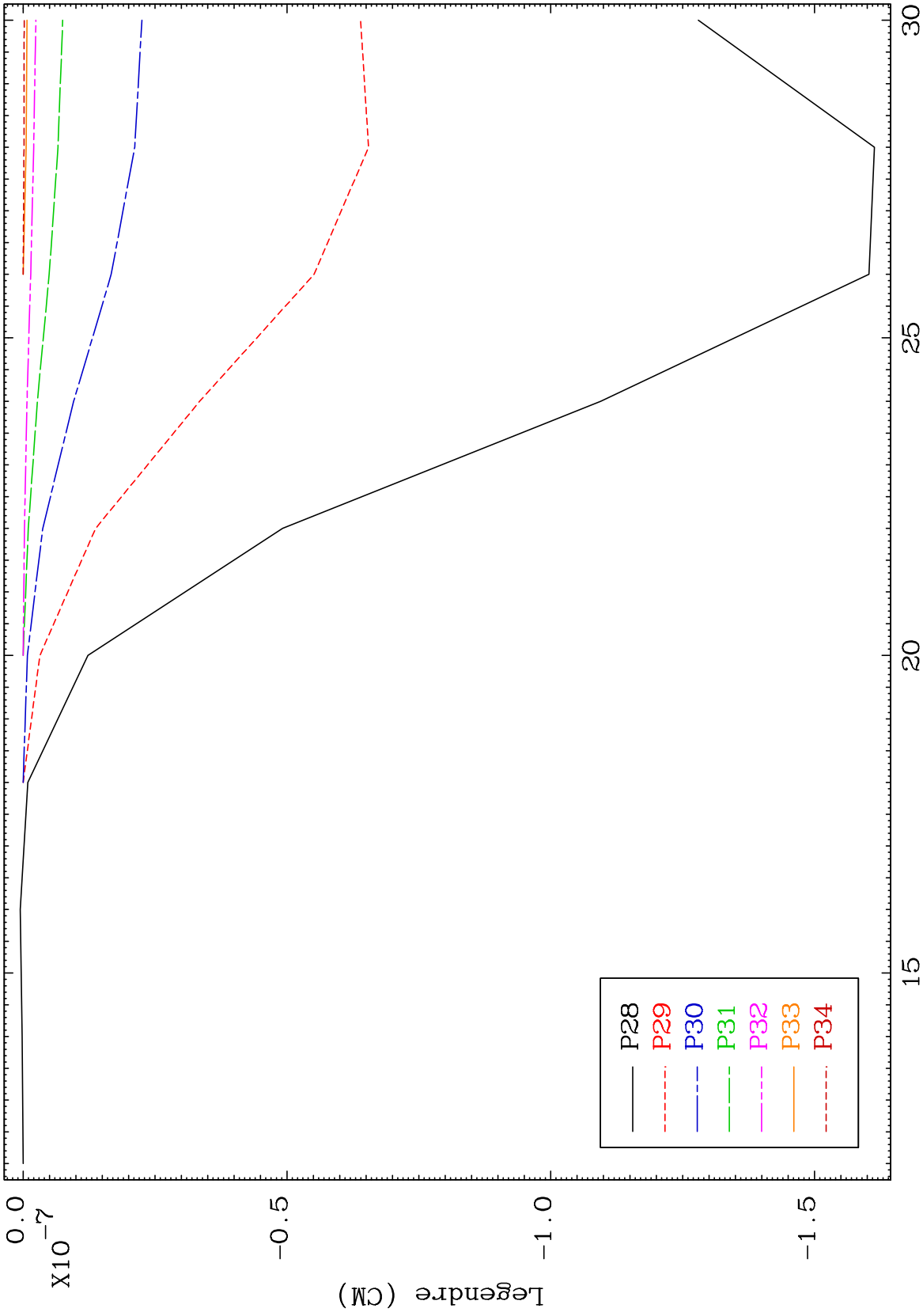
Incident Energy (MeV)

37-Rb-82

MAT 3716

37-Rb-82

Elastic Legendre Coefficients



19

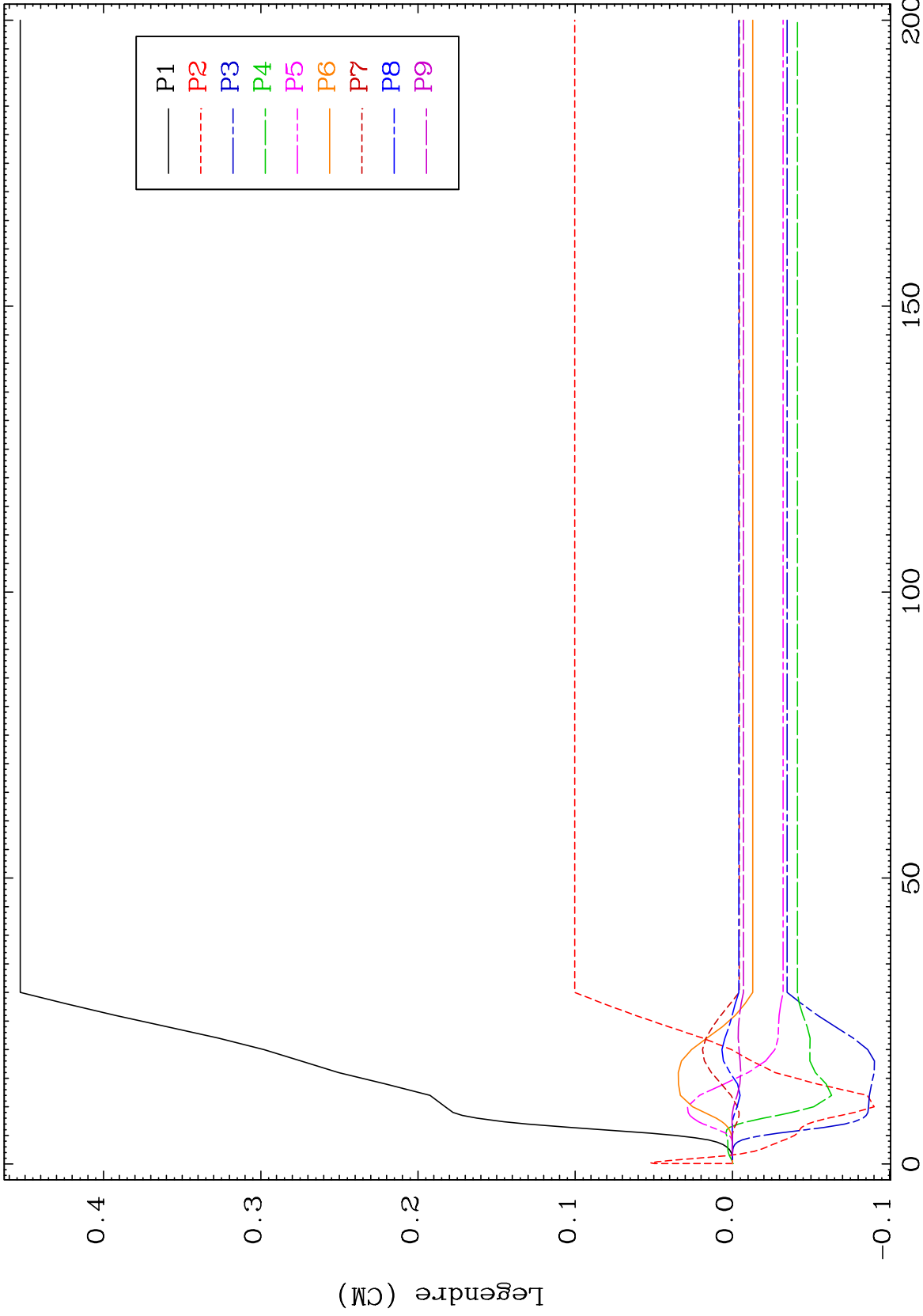
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



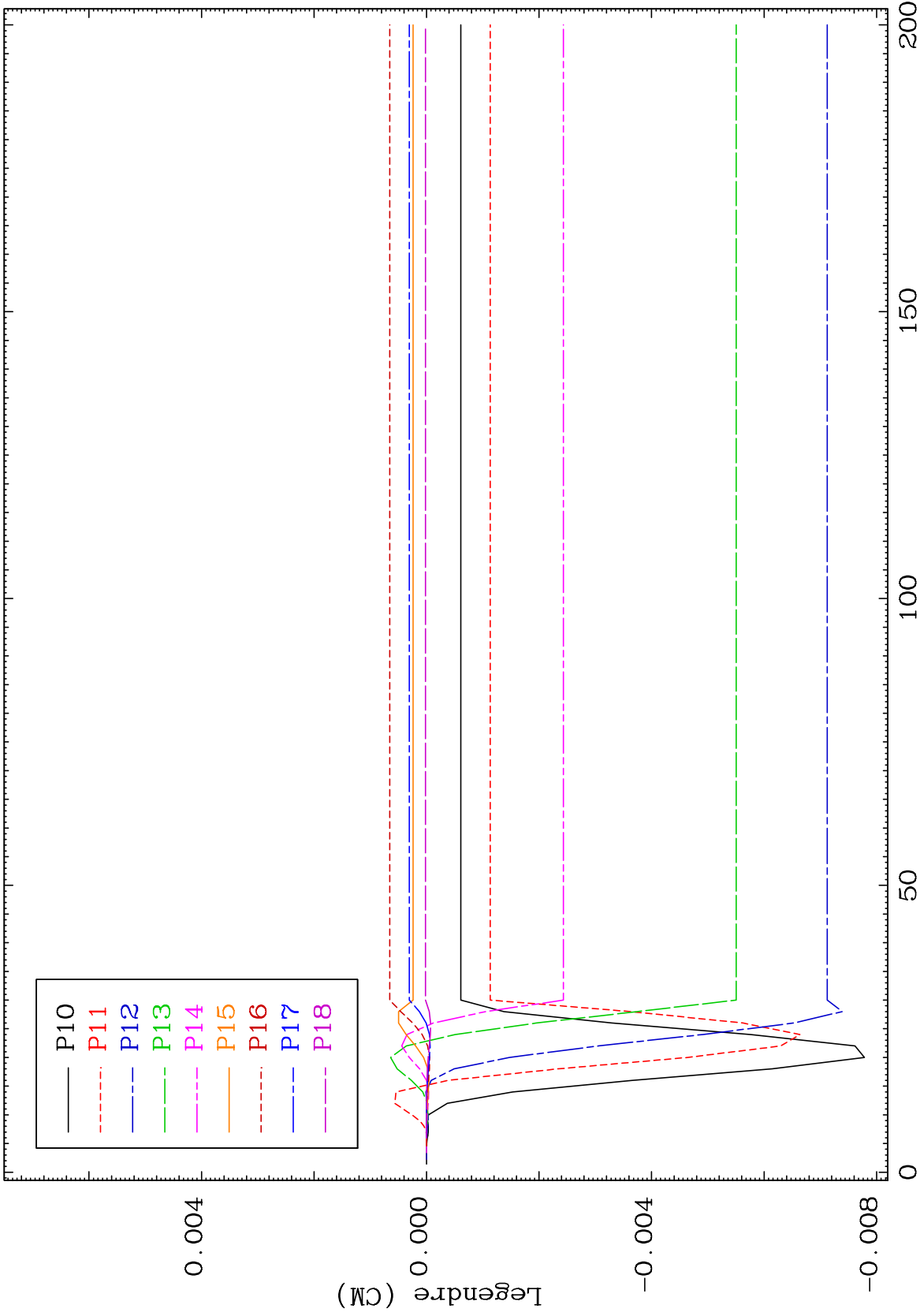
37-Rb-82

Incident Energy (MeV)

MAT 3716

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

37-Rb-82



21

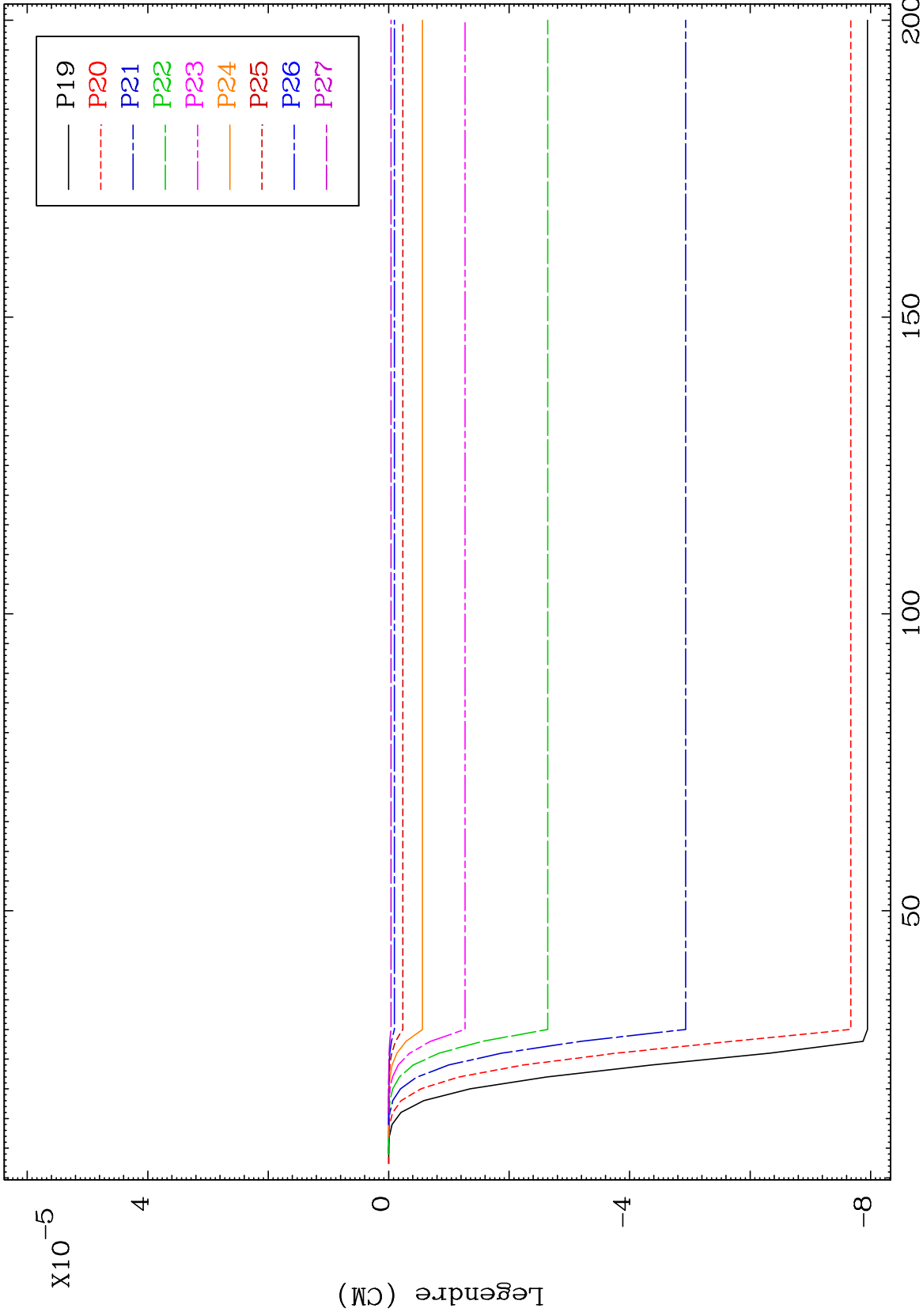
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



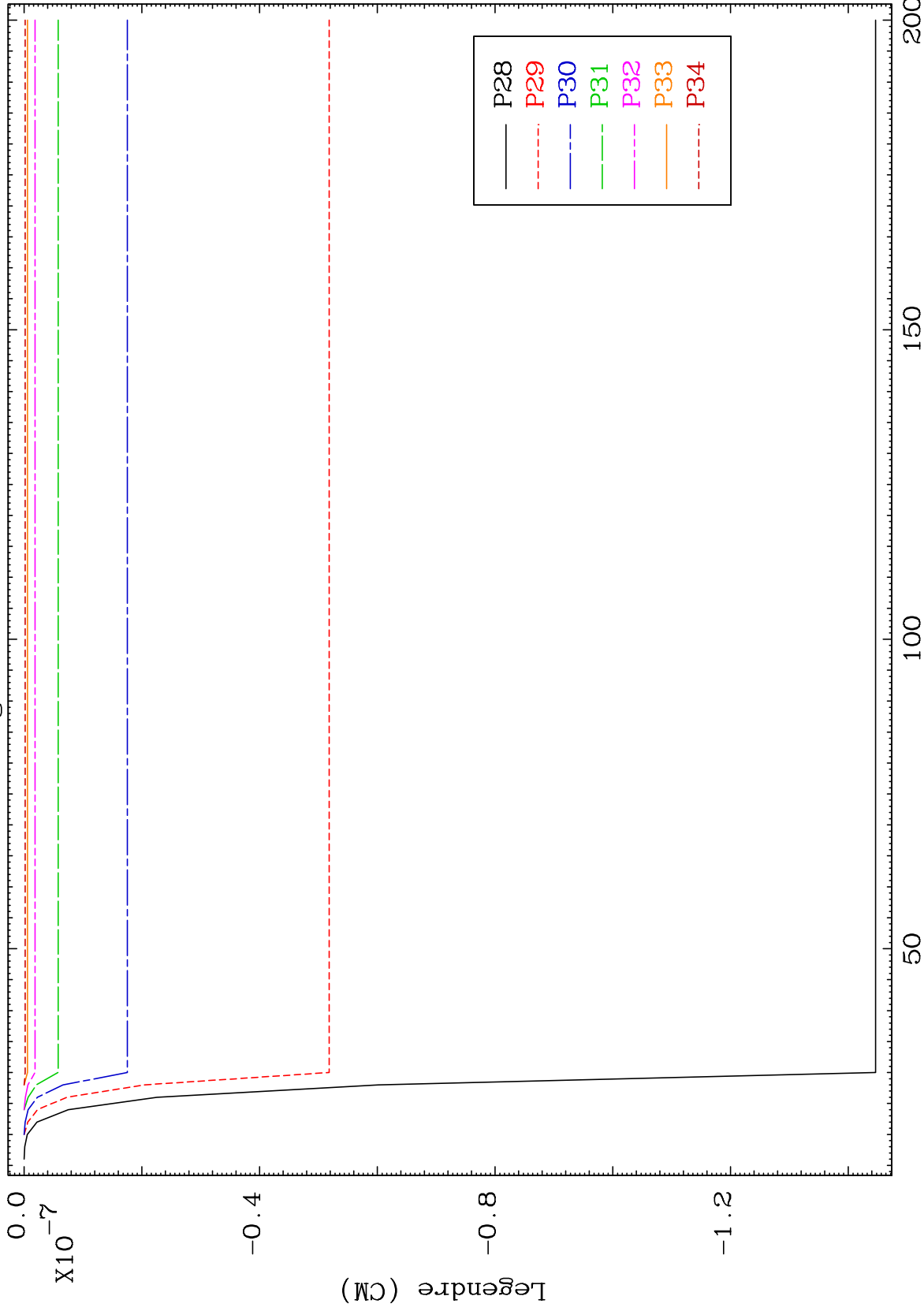
22

37-Rb-82

MAT 3716

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

37-Rb-82



37-Rb-82

Incident Energy (MeV)

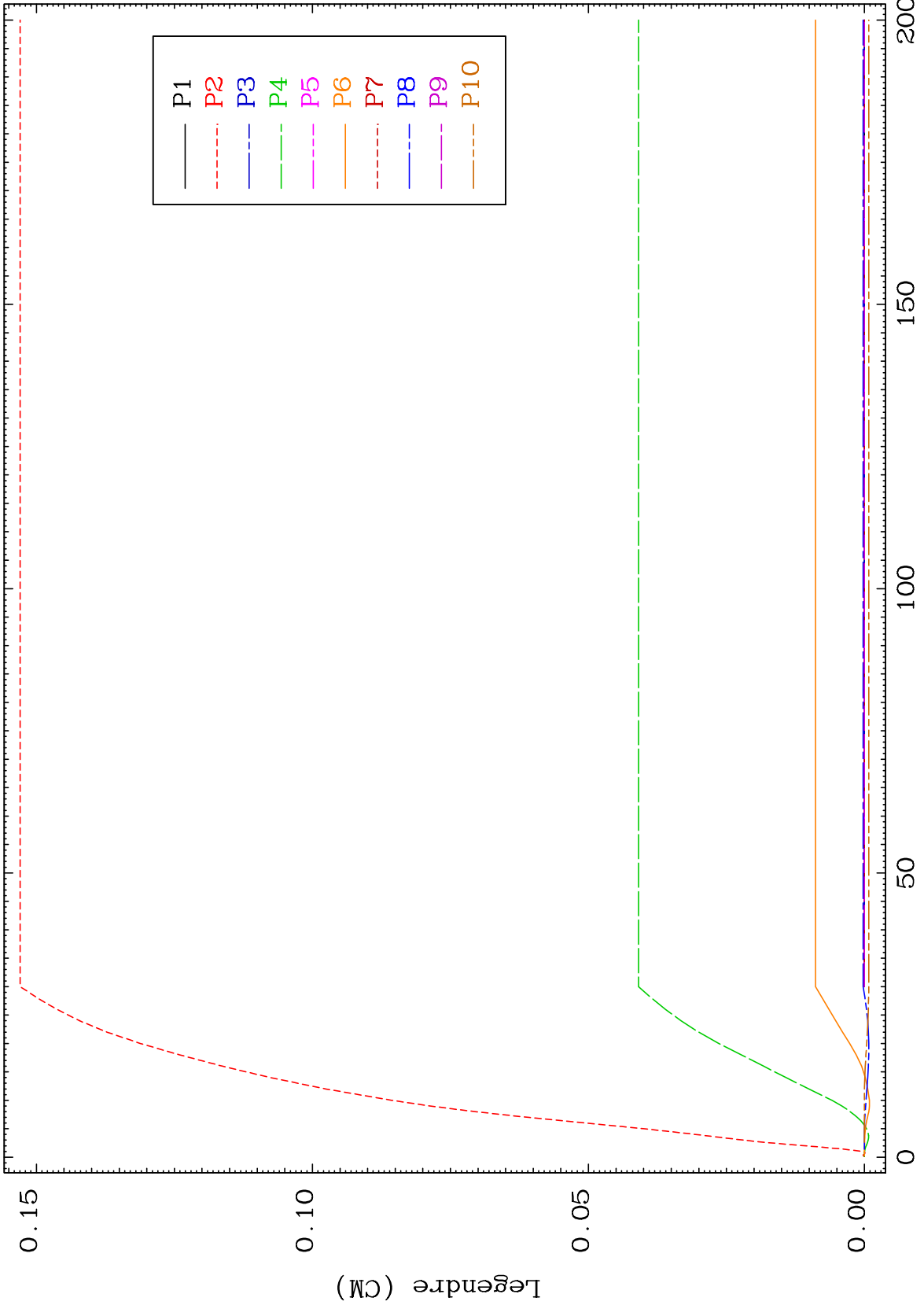
23



MAT 3716

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

37-Rb-82



24

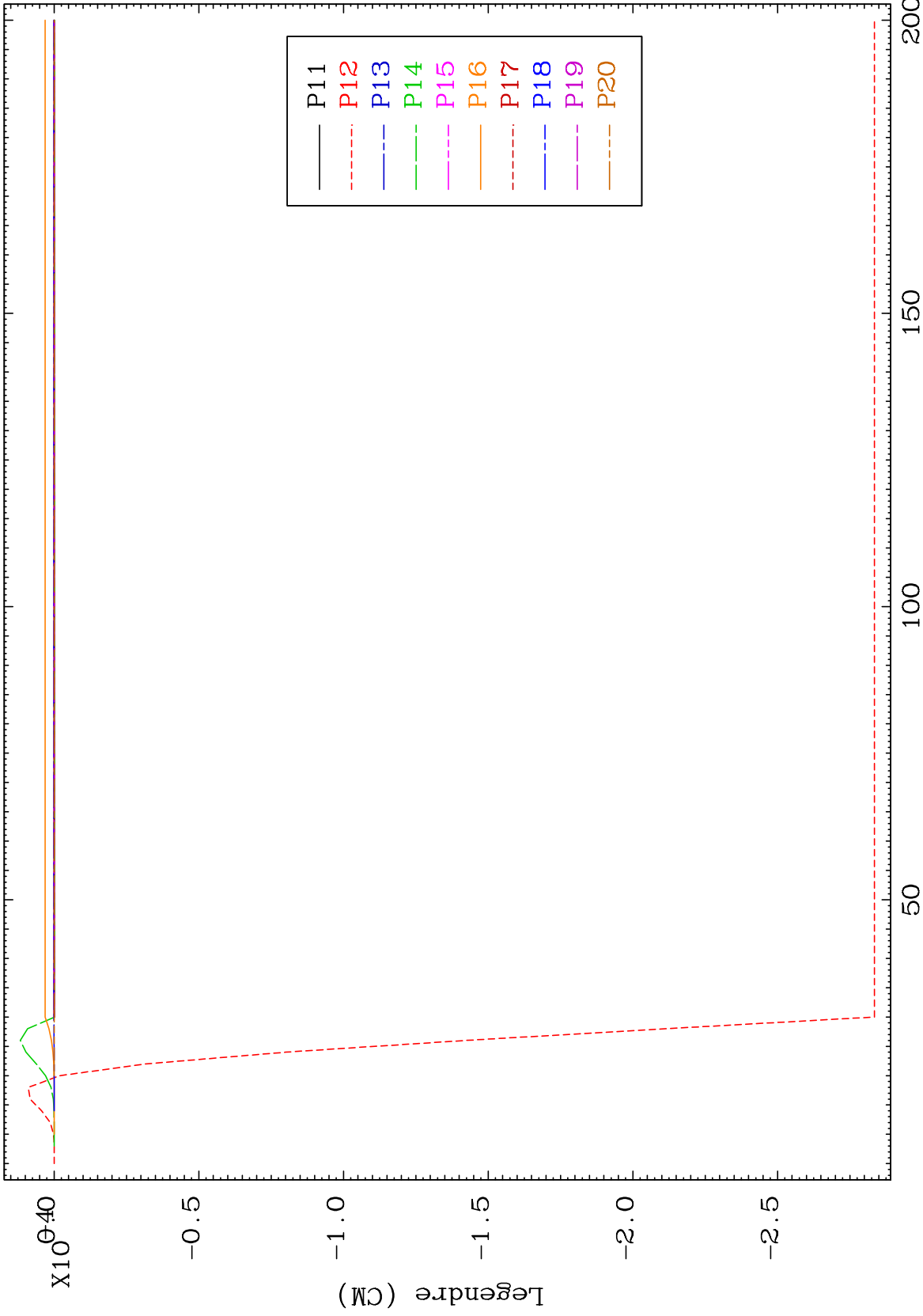
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



25

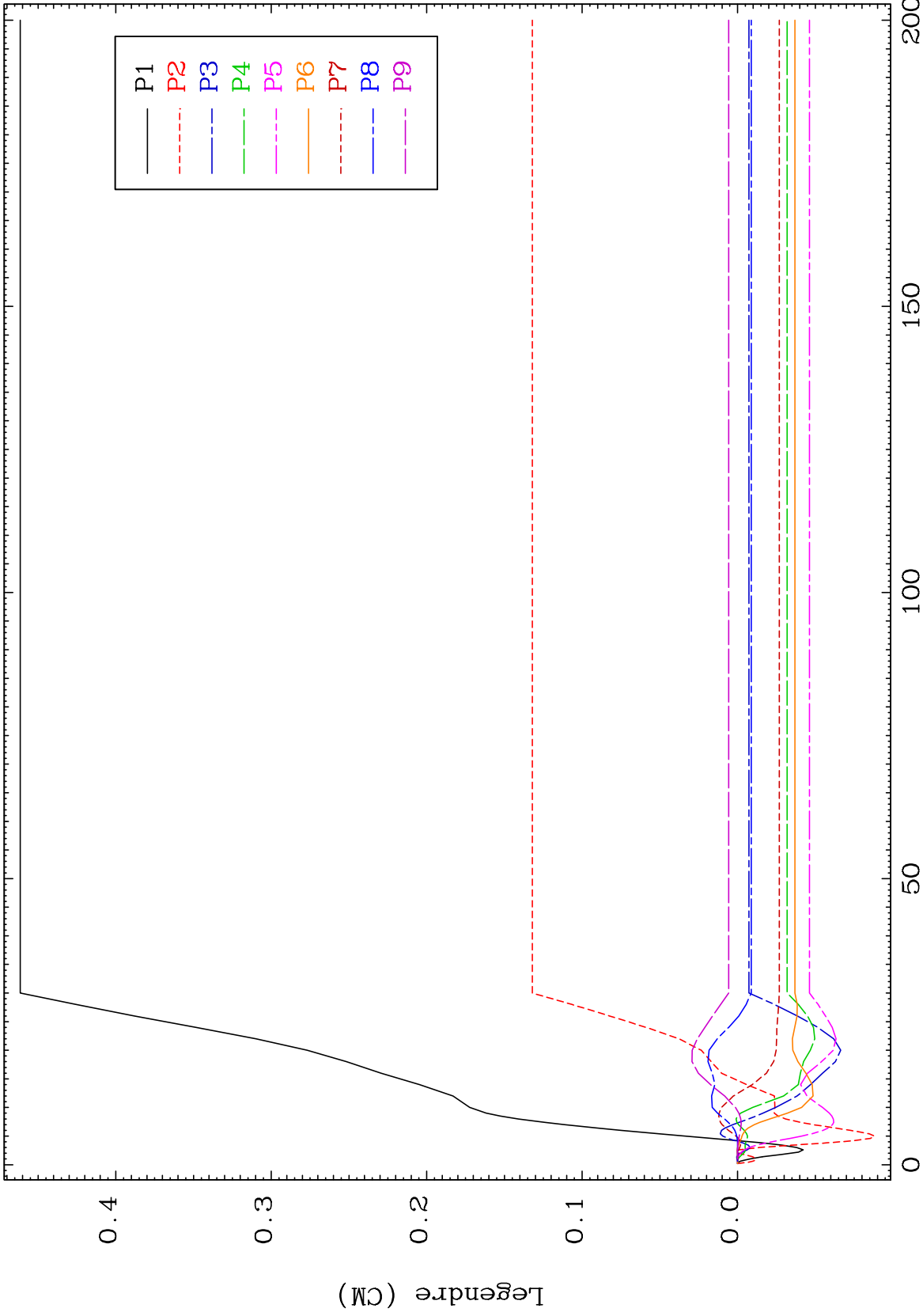
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



26

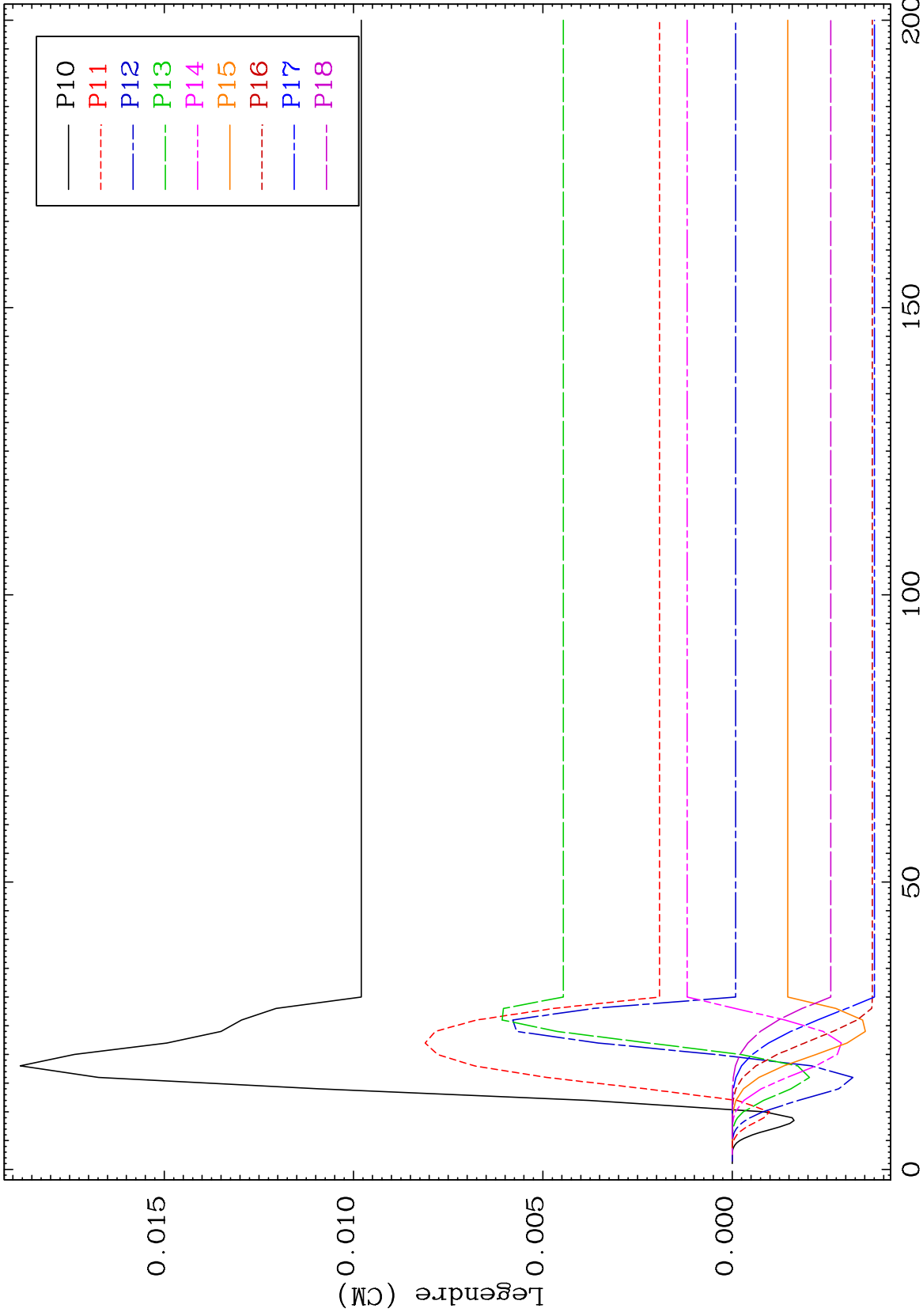
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

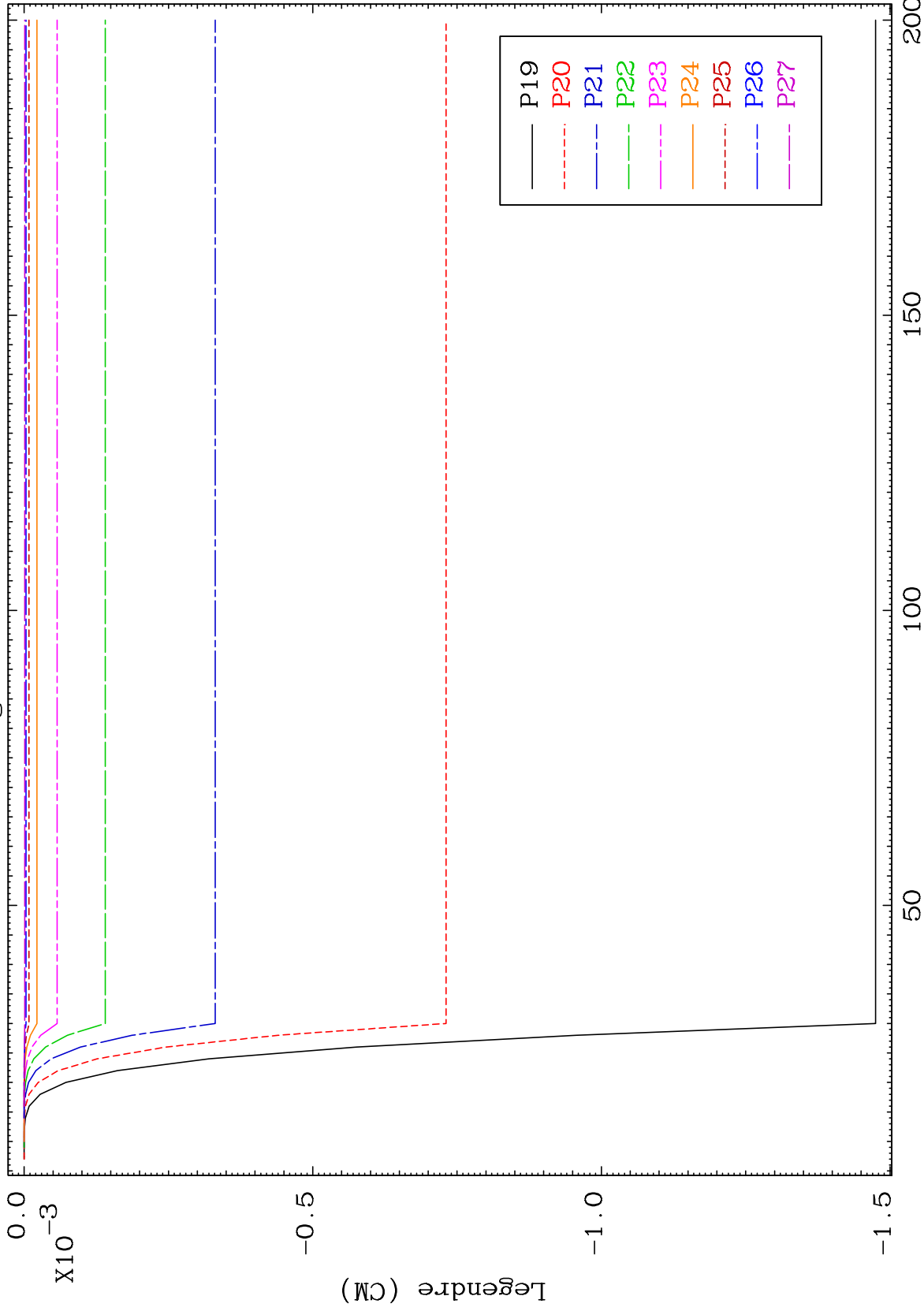
37-Rb-82



27

Incident Energy (MeV)

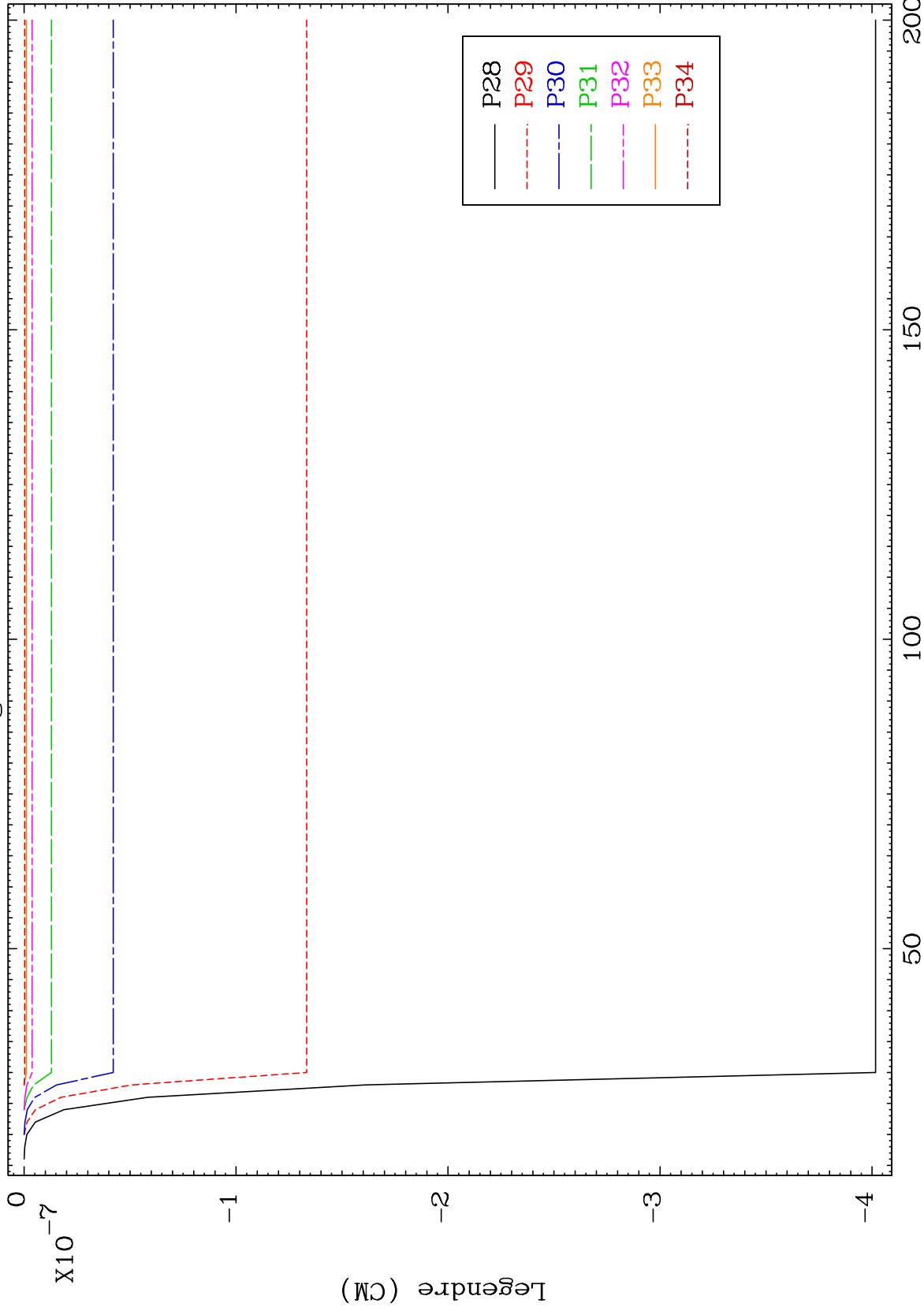
37-Rb-82



MAT 3716

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

37-Rb-82



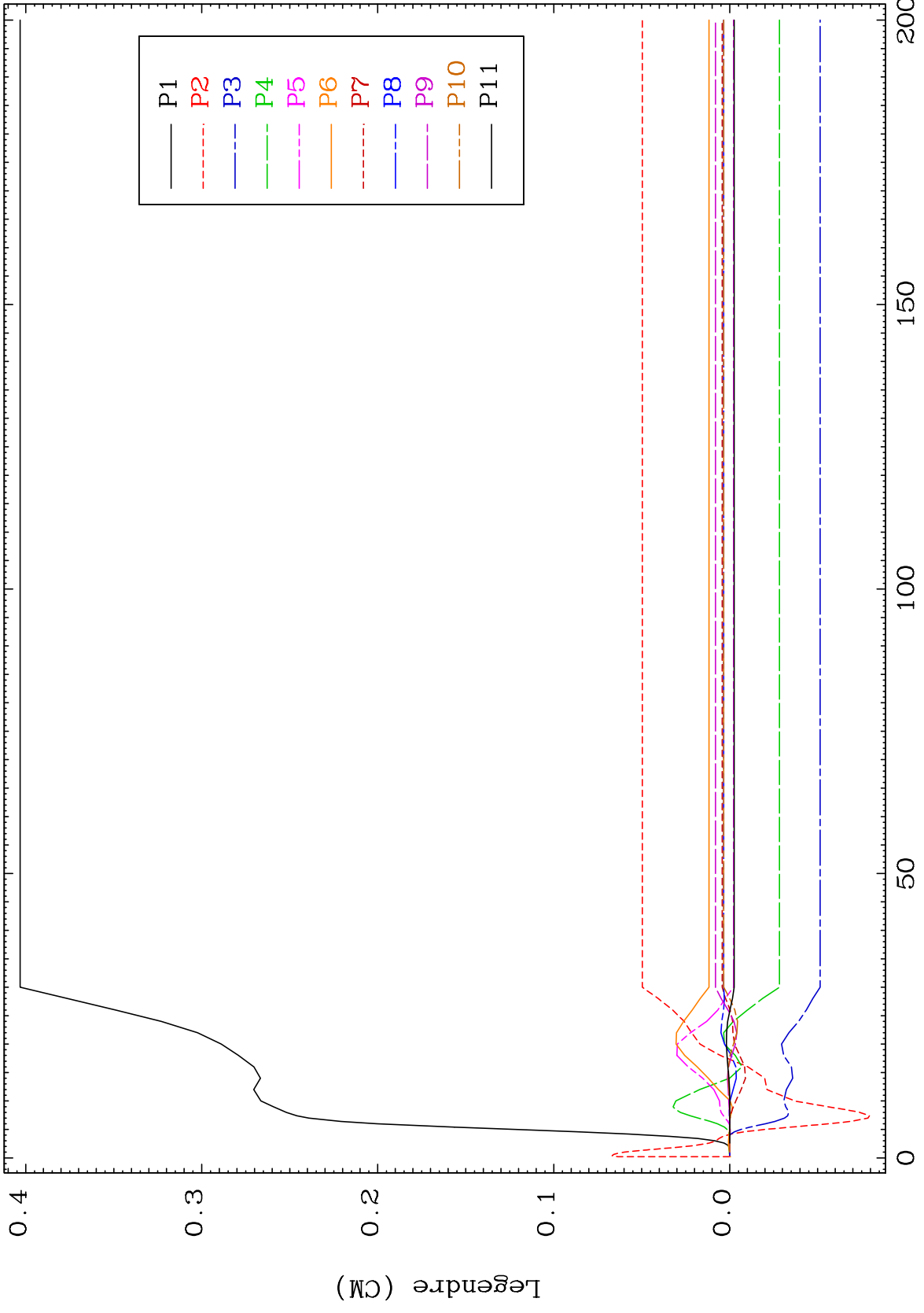
29

37-Rb-82

MAT 3716

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

37-Rb-82

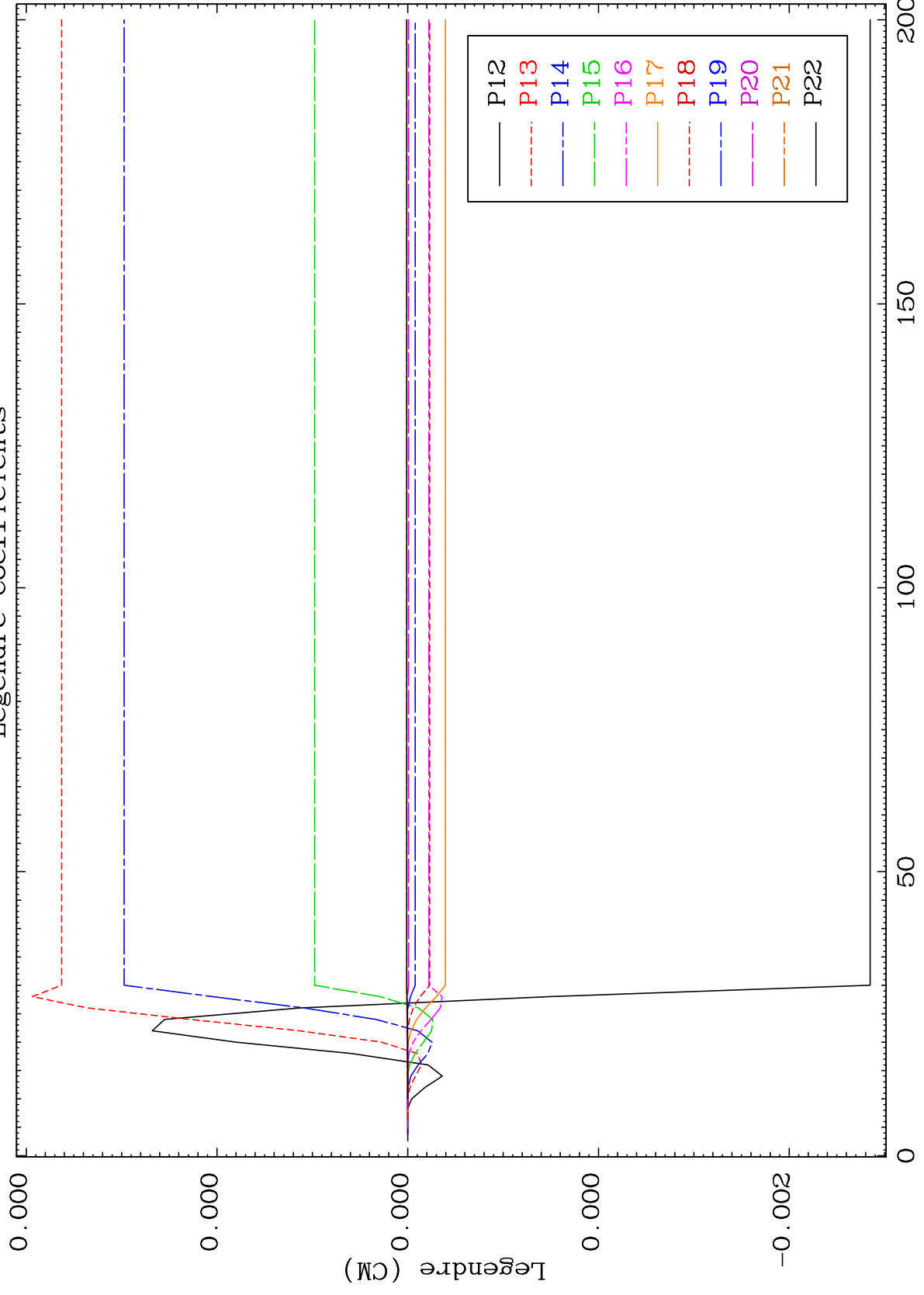


37-Rb-82

Incident Energy (MeV)

30

MAT 3716 MT= 54 (n,n') Level Legendre Coefficients 37-Rb-82

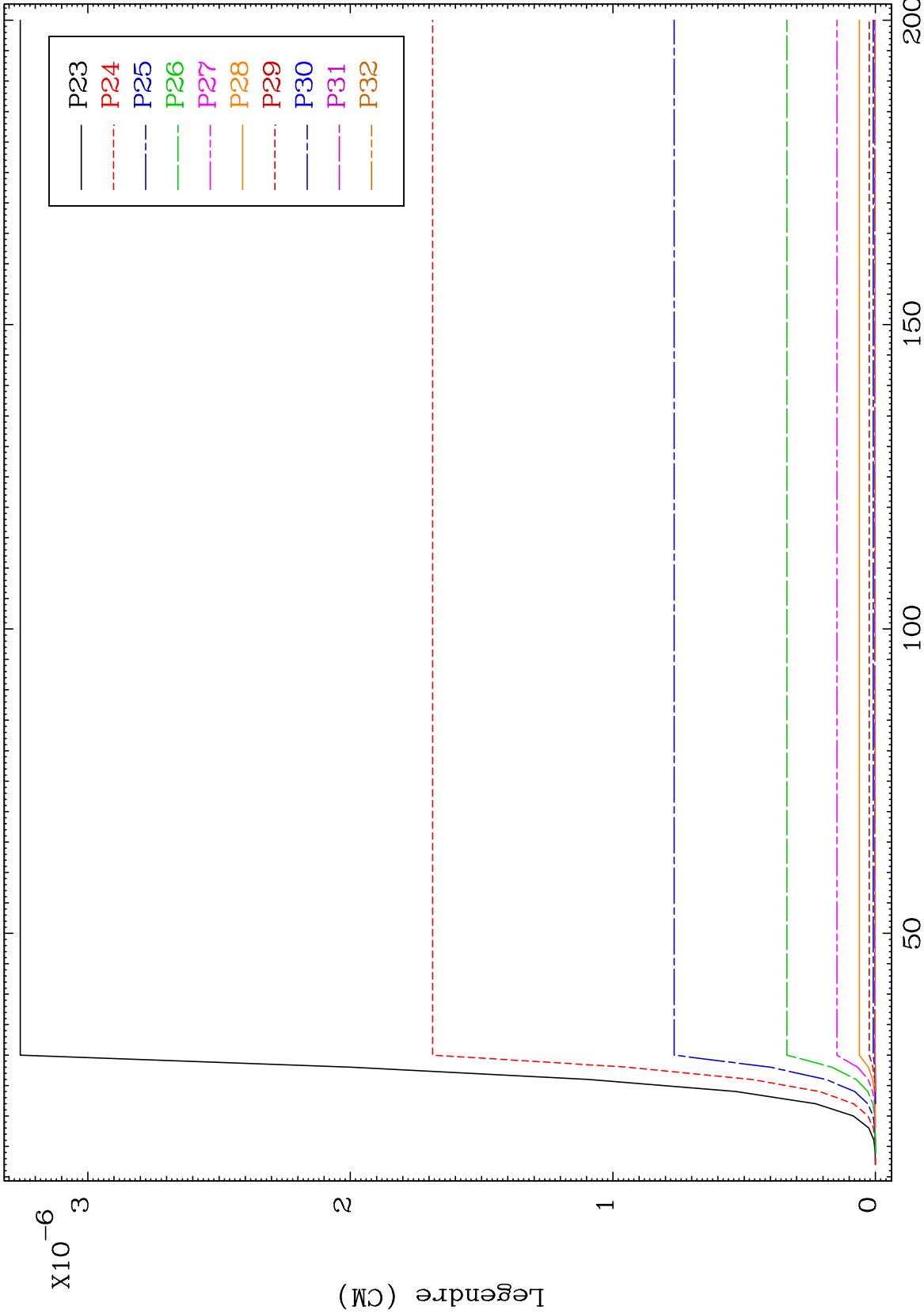




MAT 3716

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

37-Rb-82



32

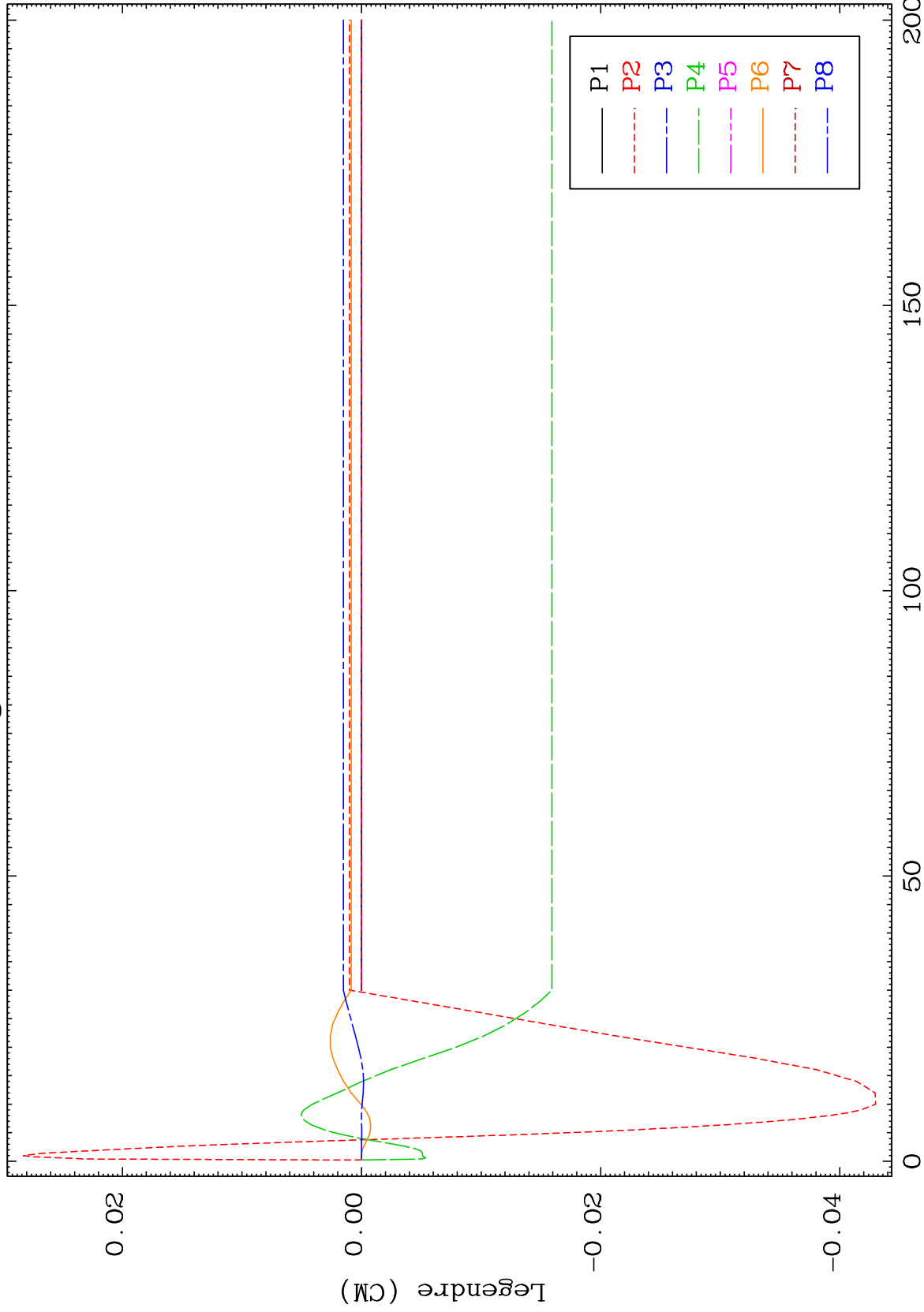
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



33

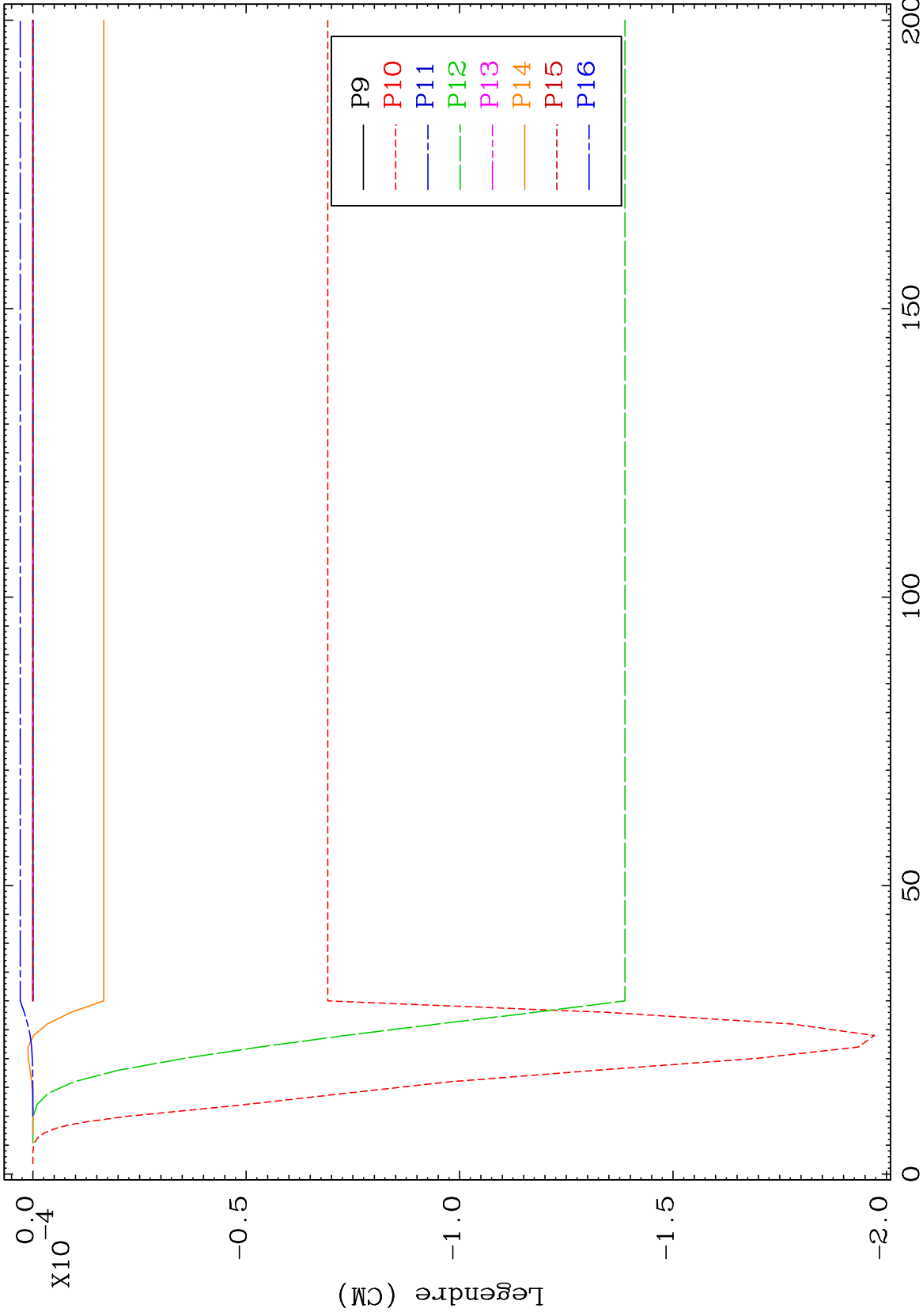
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

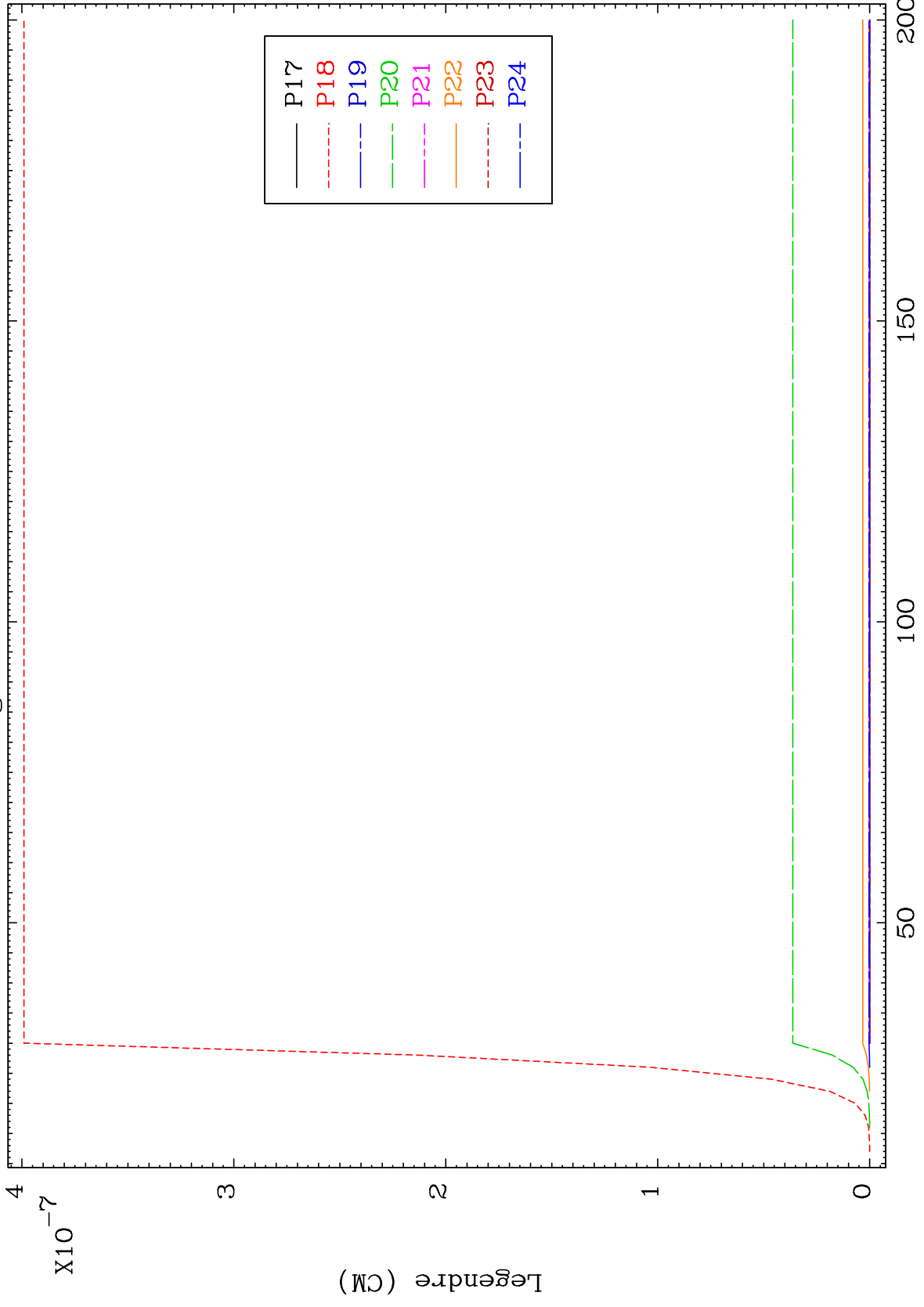
37-Rb-82



34

37-Rb-82

MAT 3716 MT= 55 (n,n') Level Legendre Coefficients 37-Rb-82

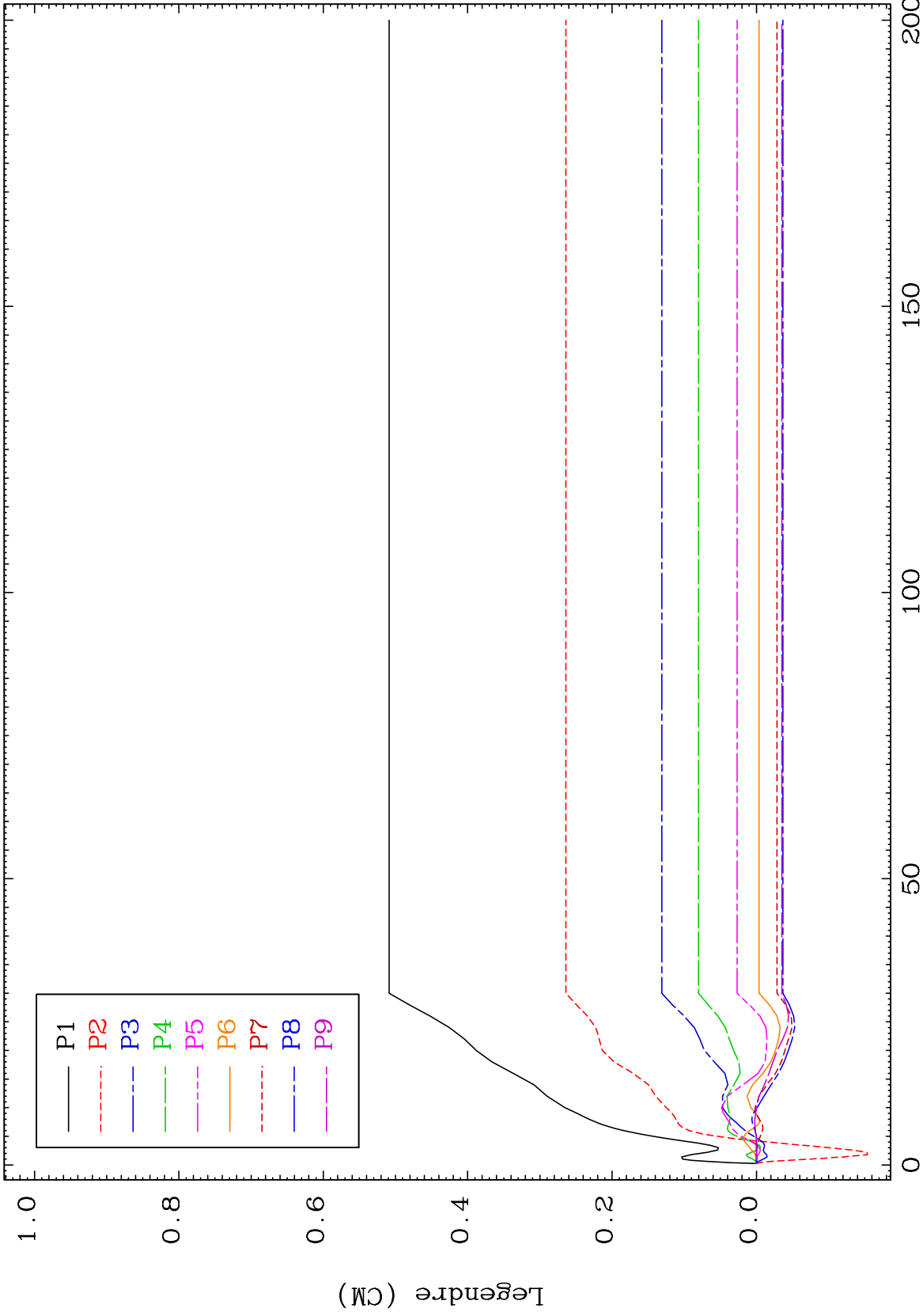


37-Rb-82

MAT 3716

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

37-Rb-82



36

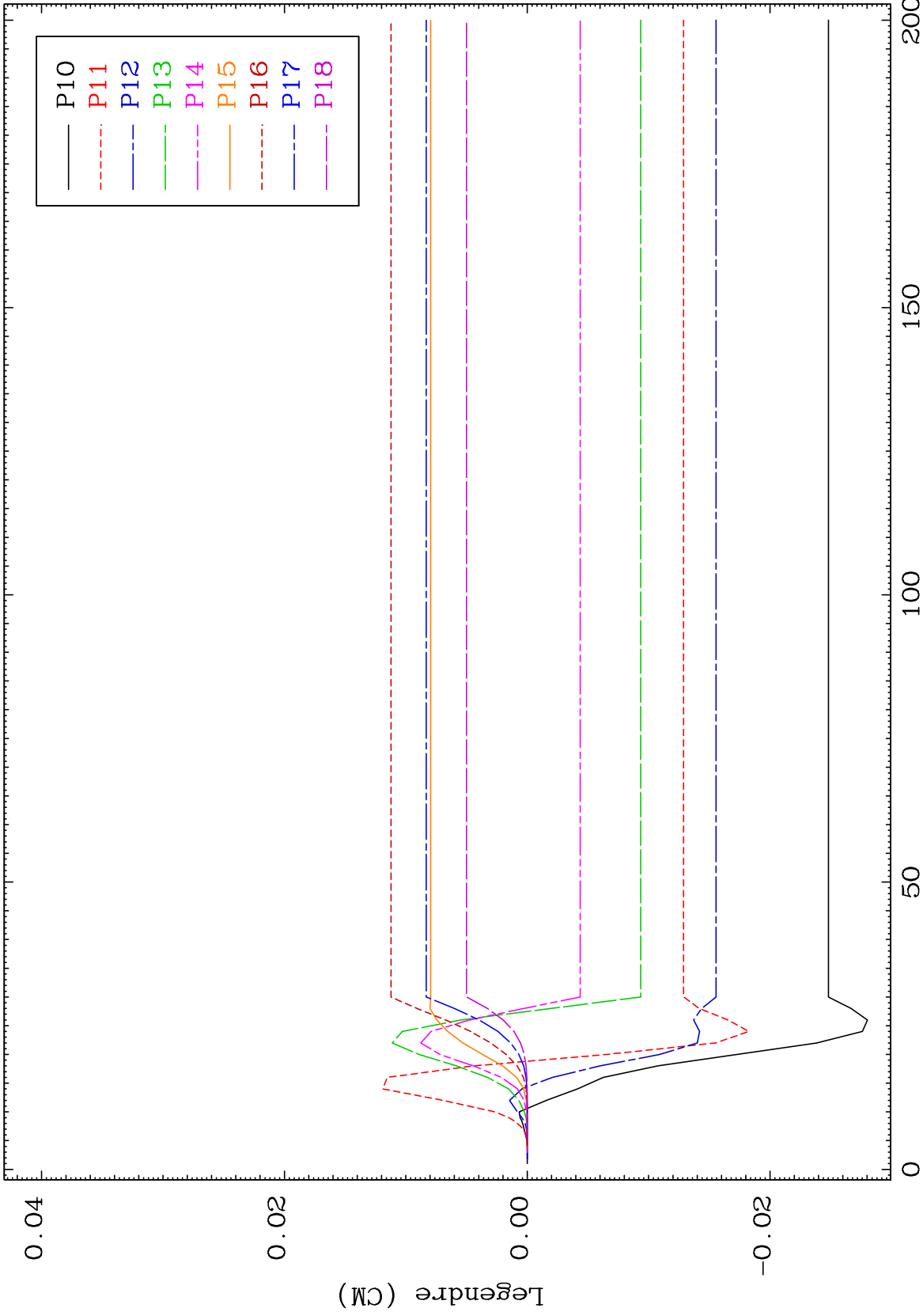
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

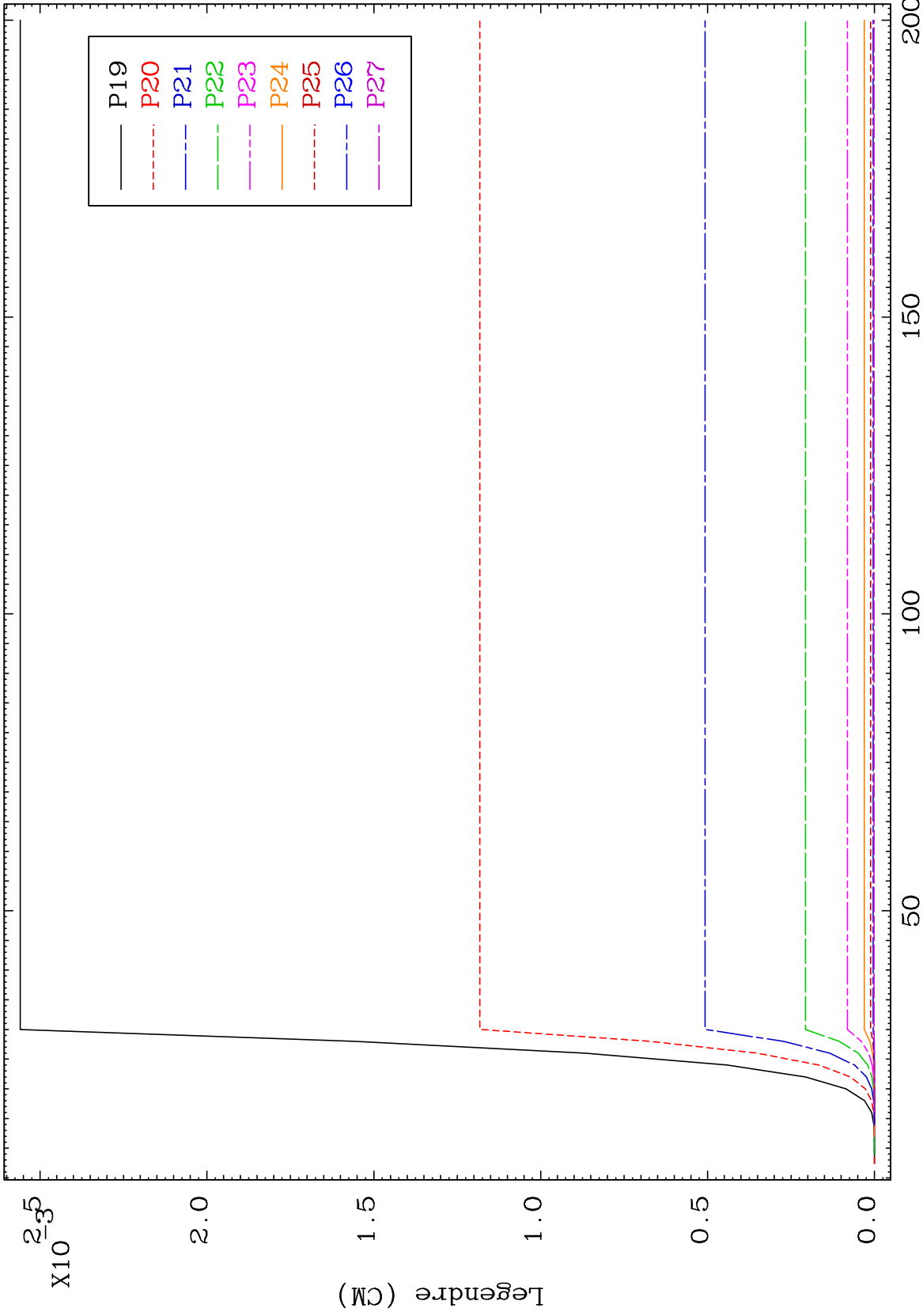
37-Rb-82



37

Incident Energy (MeV)

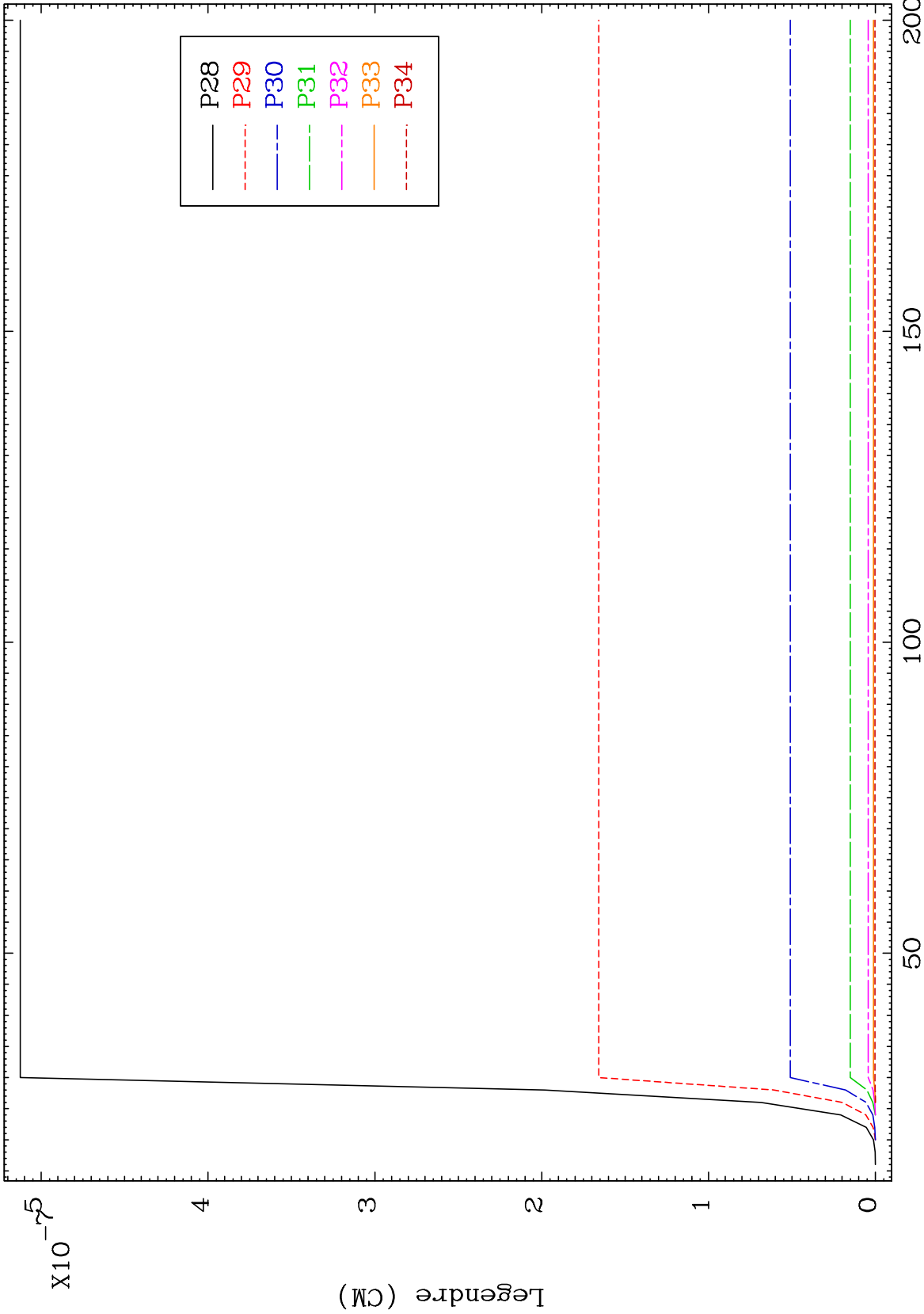
37-Rb-82



MAT 3716

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

37-Rb-82



39

Incident Energy (MeV)

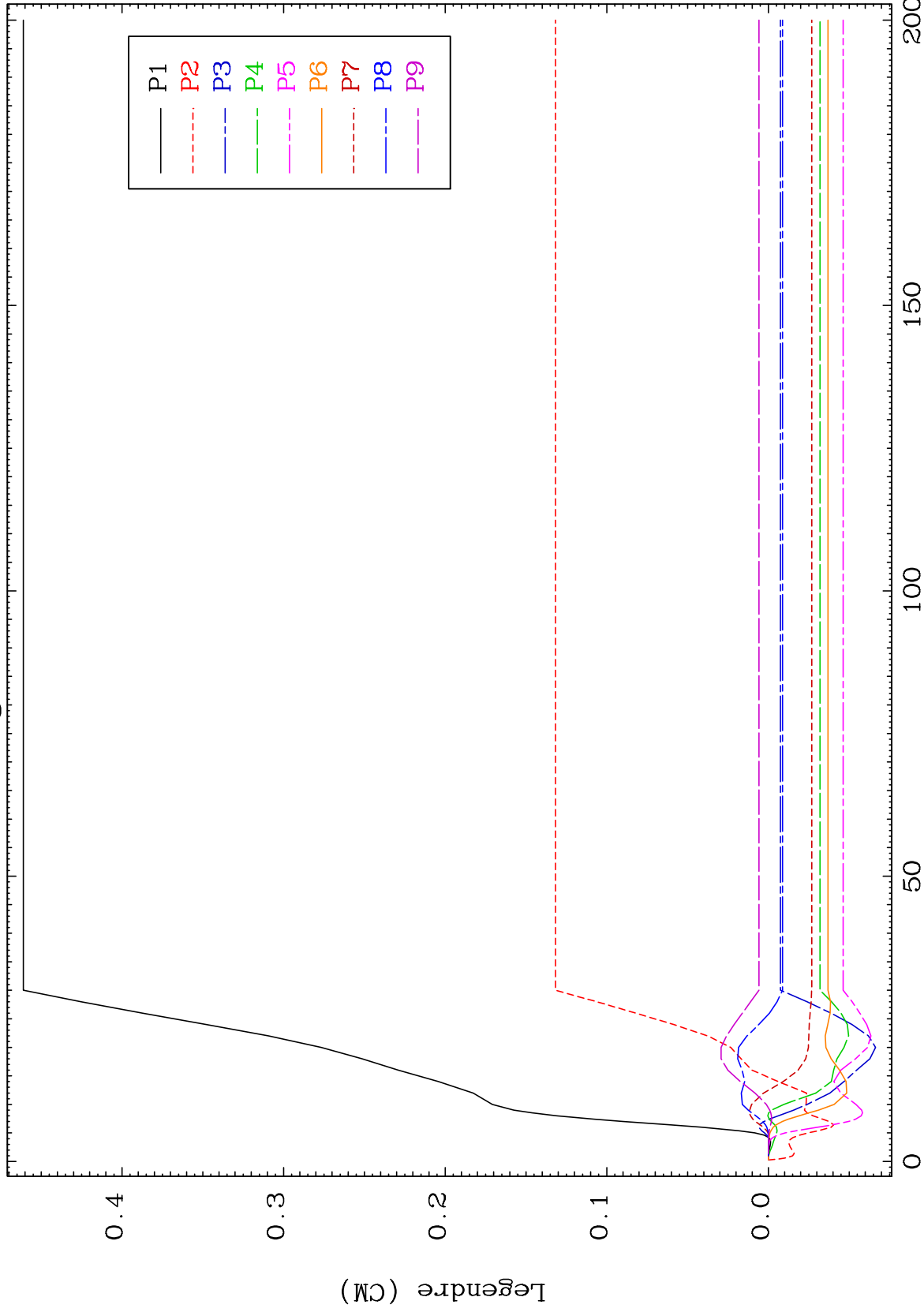
37-Rb-82



MAT 3716

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

37-Rb-82



37-Rb-82

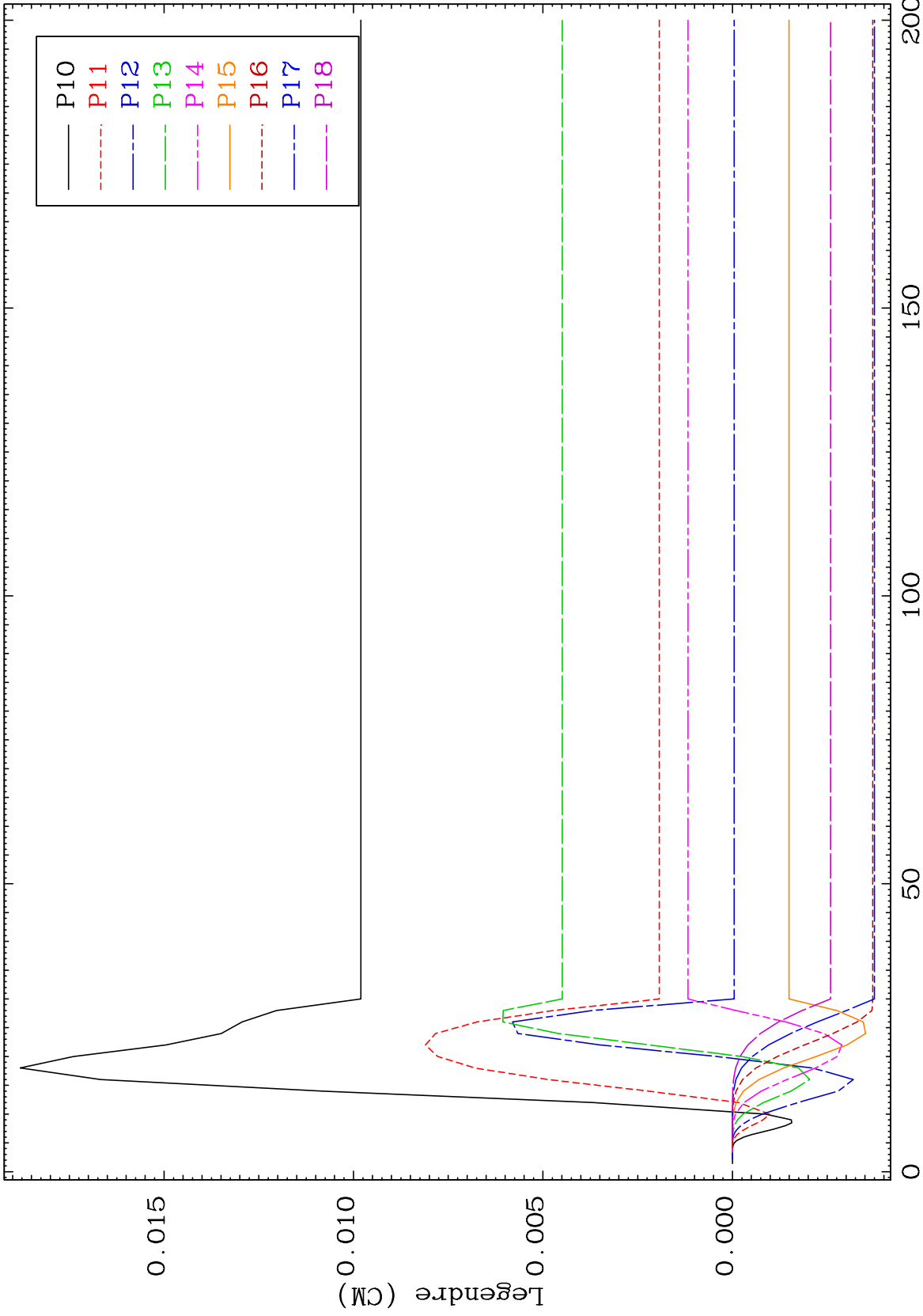
Incident Energy (MeV)

40

MAT 3716

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

37-Rb-82



41

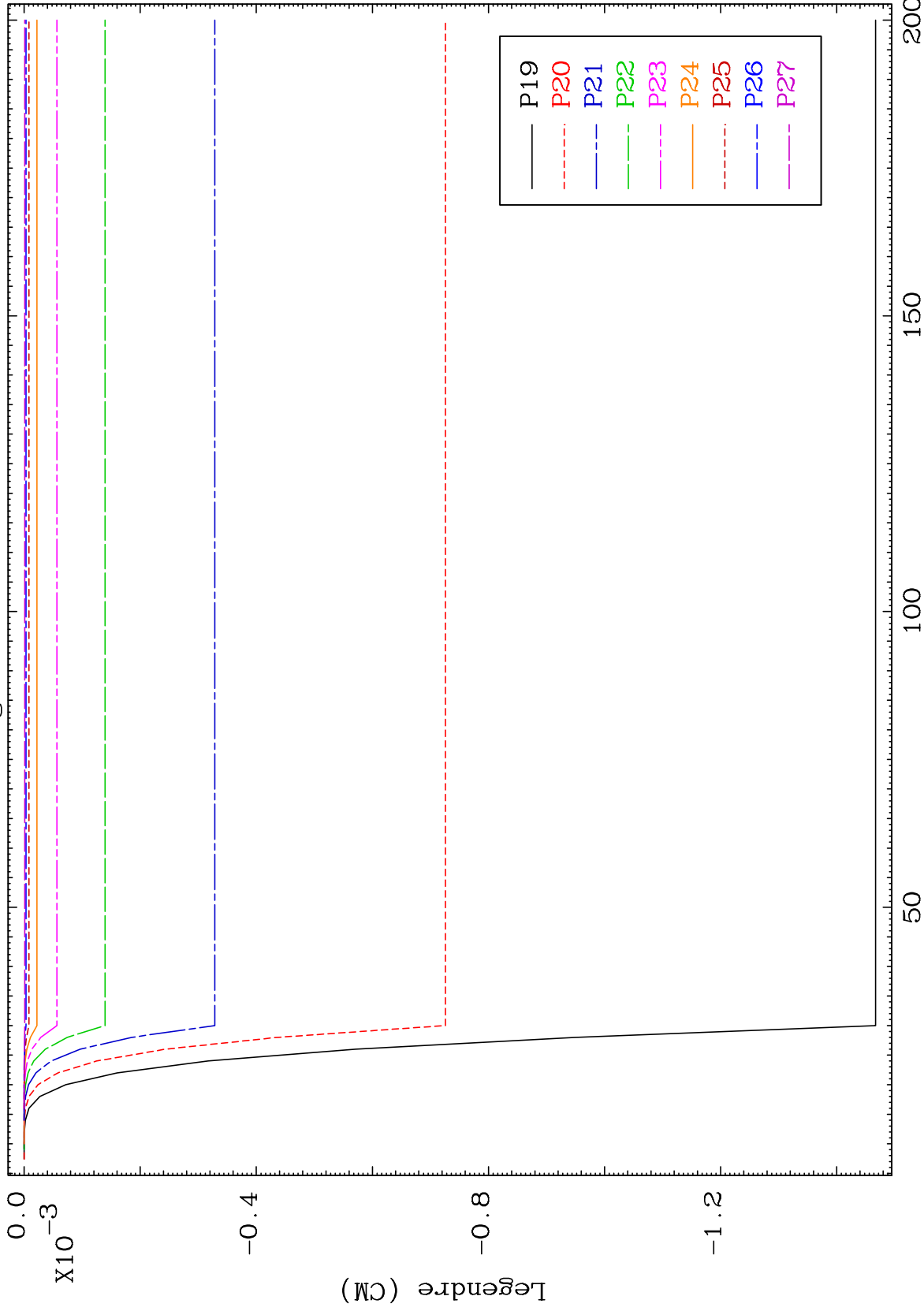
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



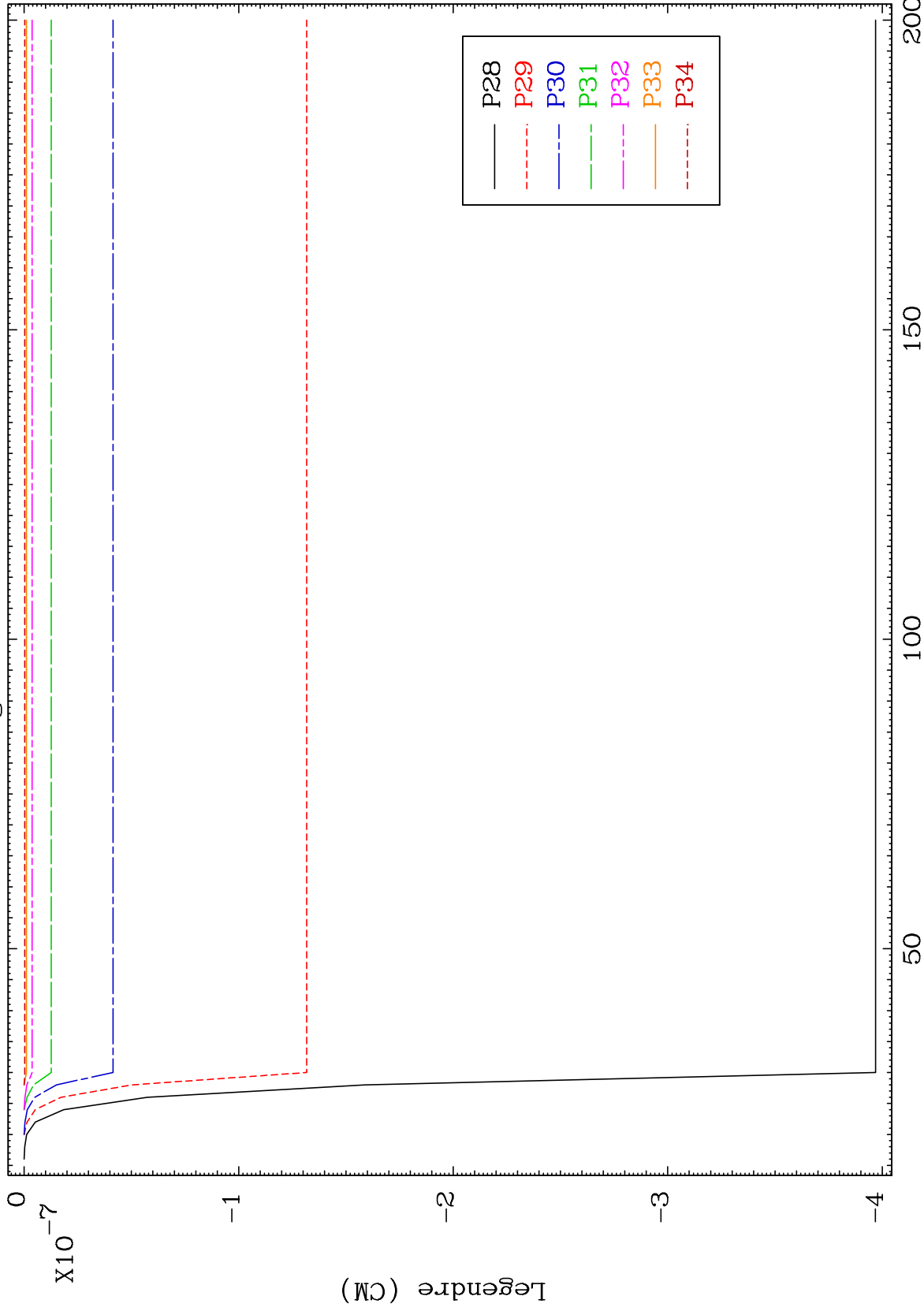
42

37-Rb-82

MAT 3716

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

37-Rb-82



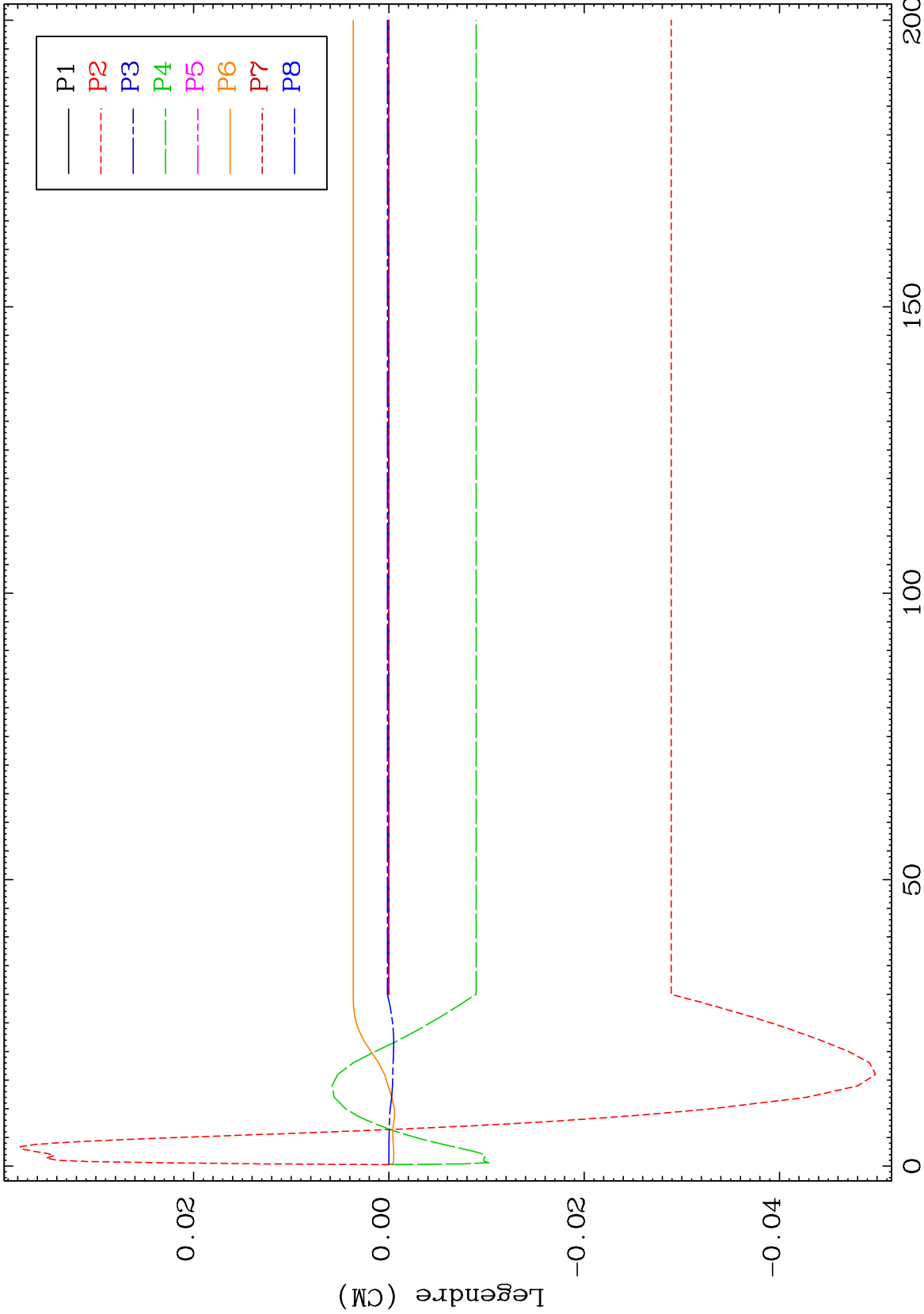
43

37-Rb-82

MAT 3716

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

37-Rb-82



44

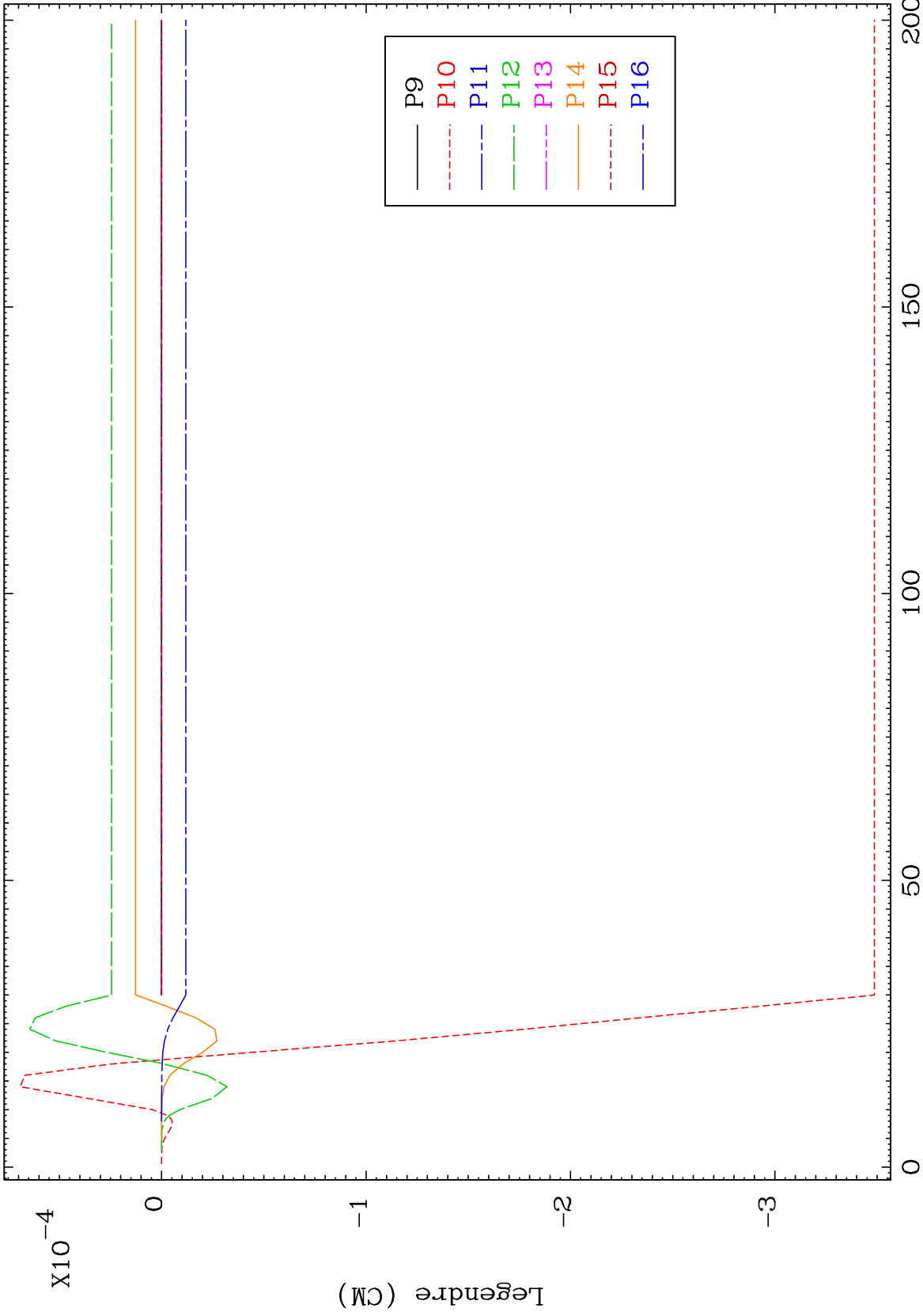
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



45

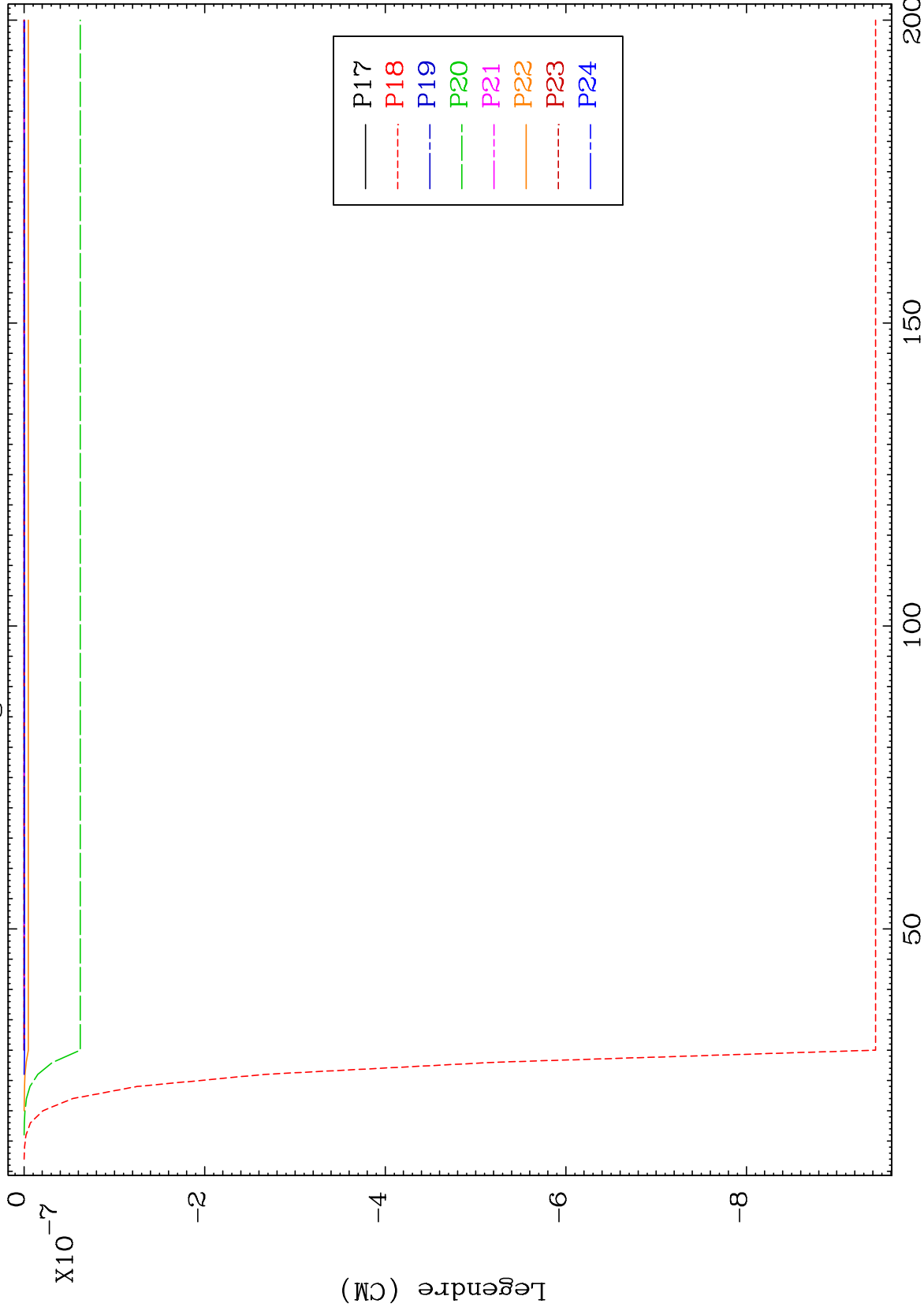
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



46

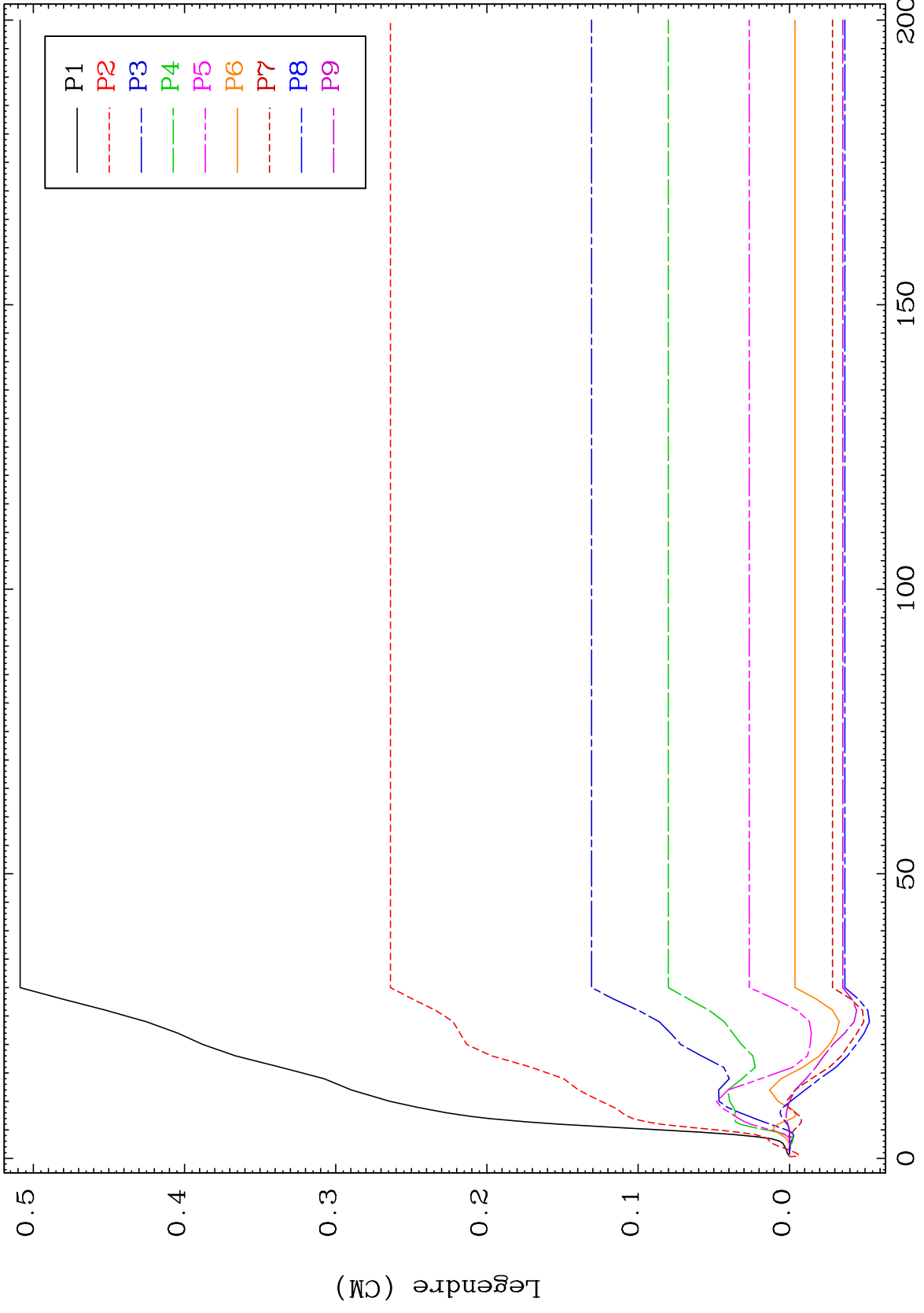
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



47

Incident Energy (MeV)

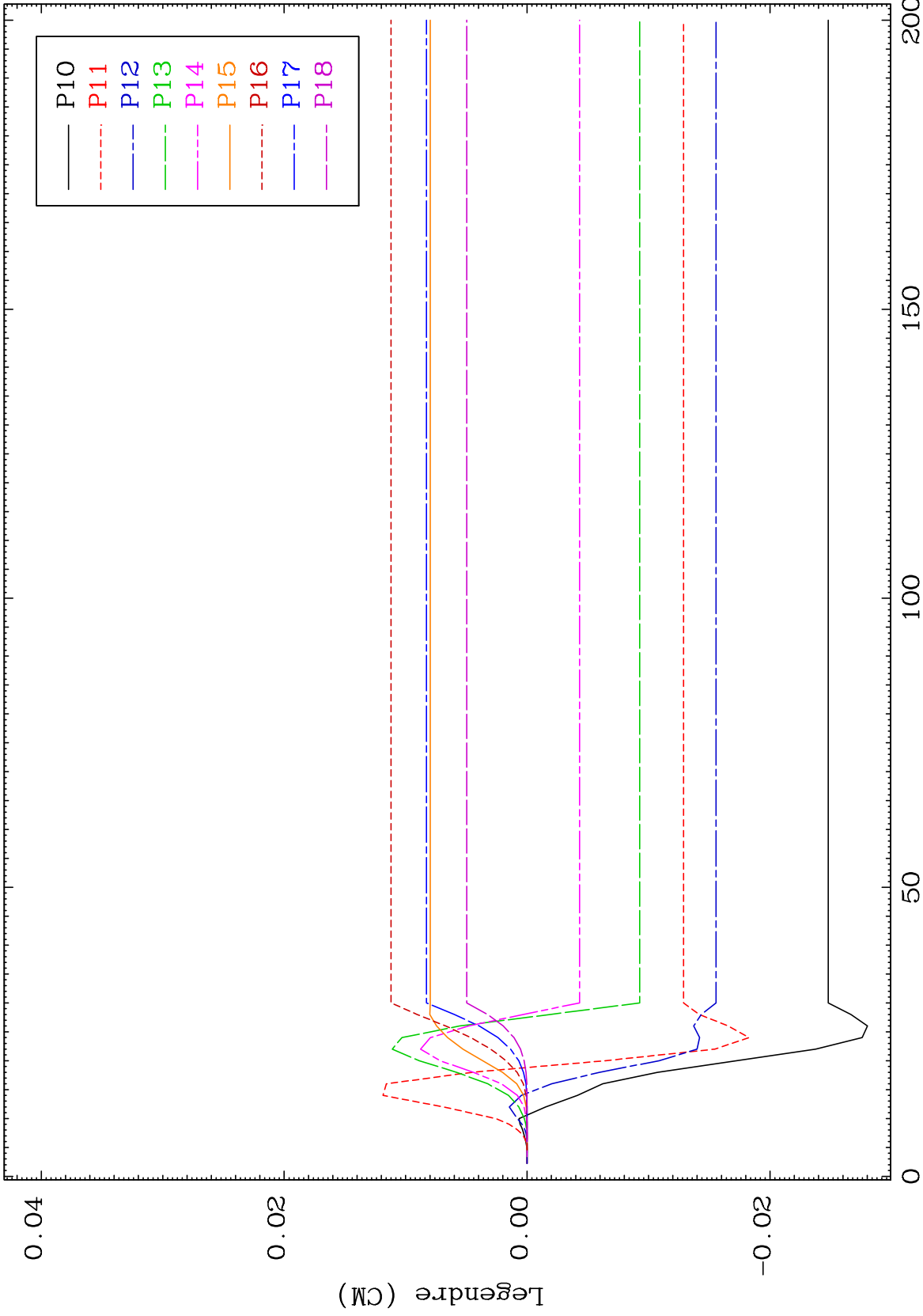
37-Rb-82



MAT 3716

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

37-Rb-82



48

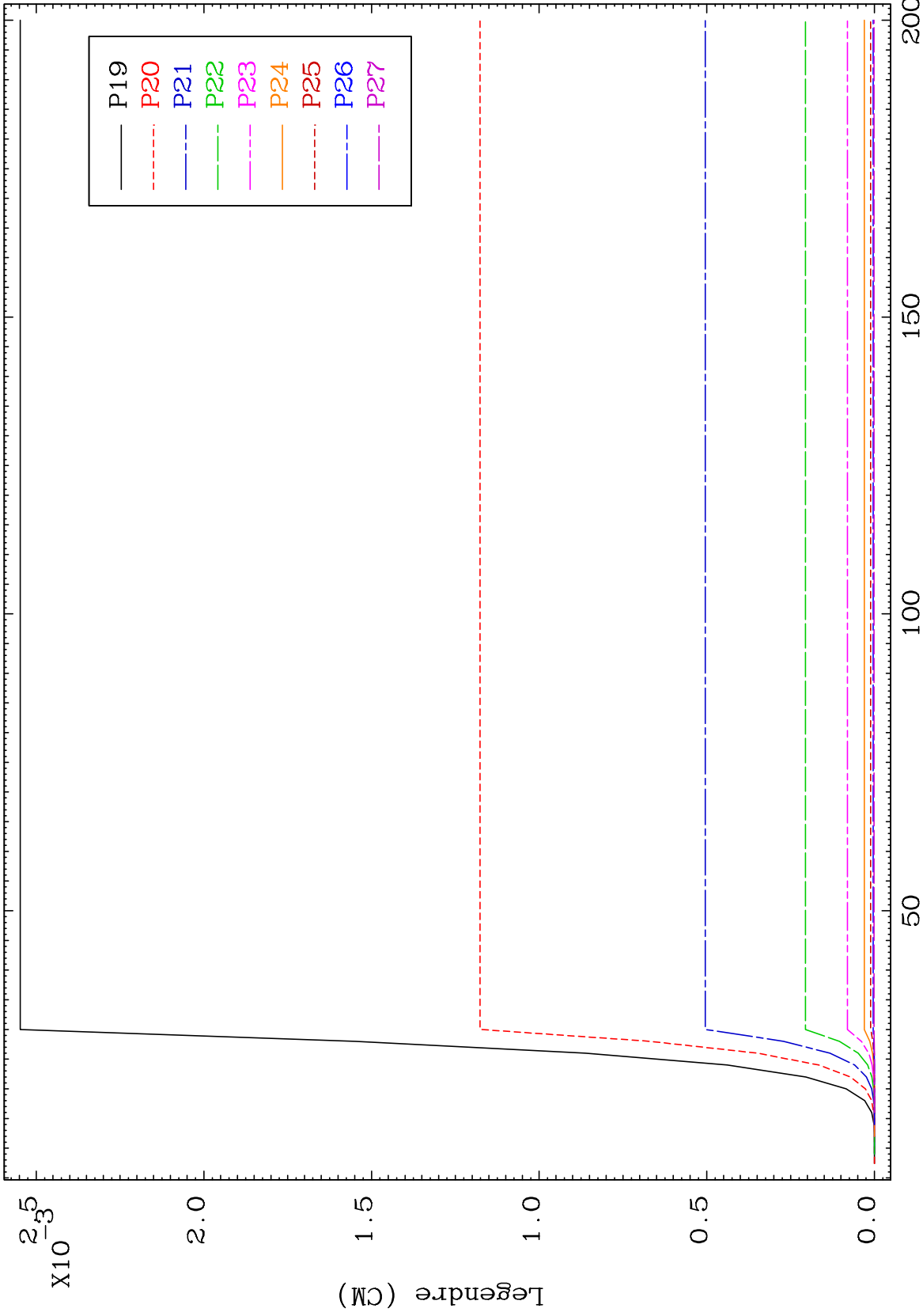
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



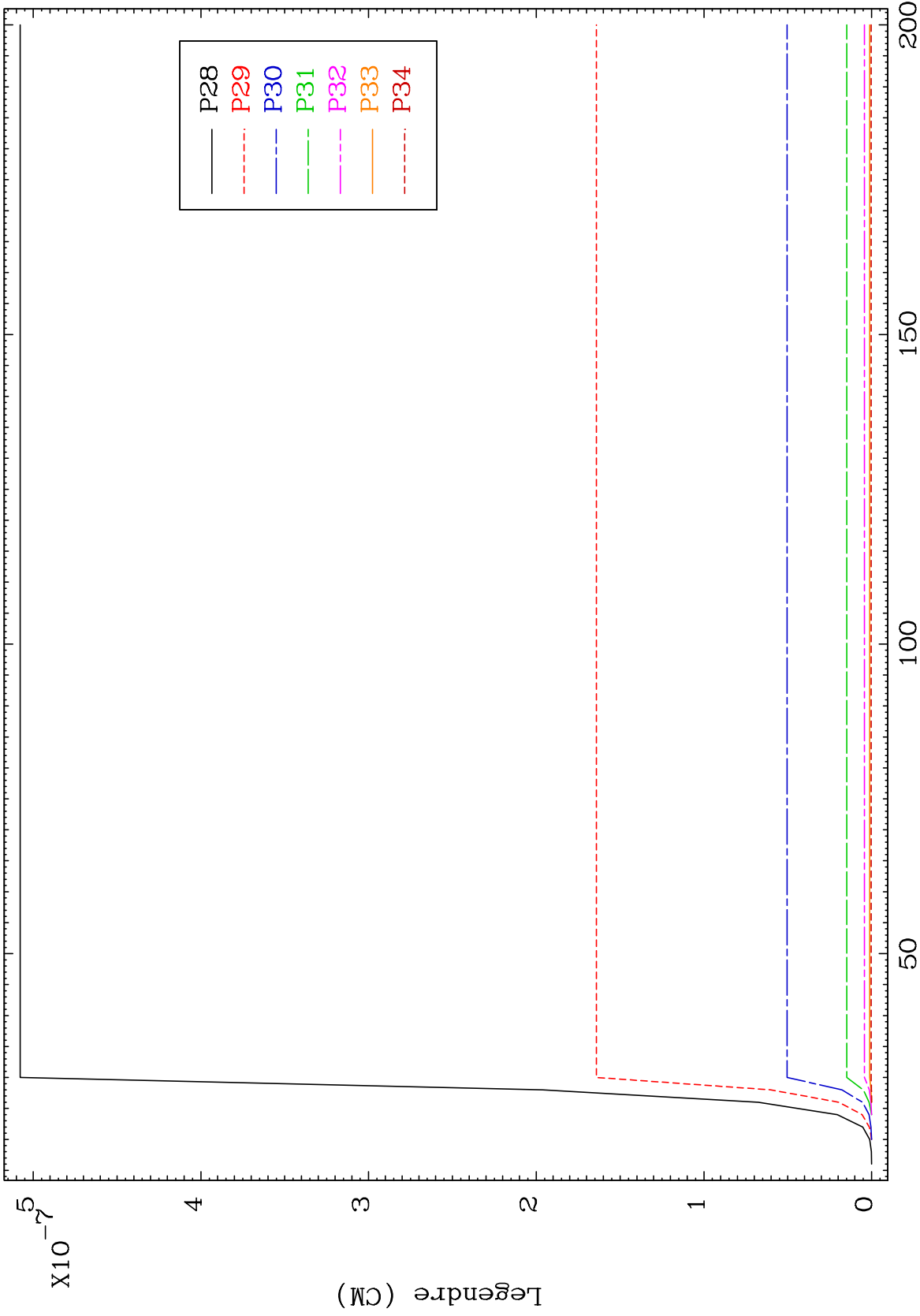
49

37-Rb-82

MAT 3716

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

37-Rb-82



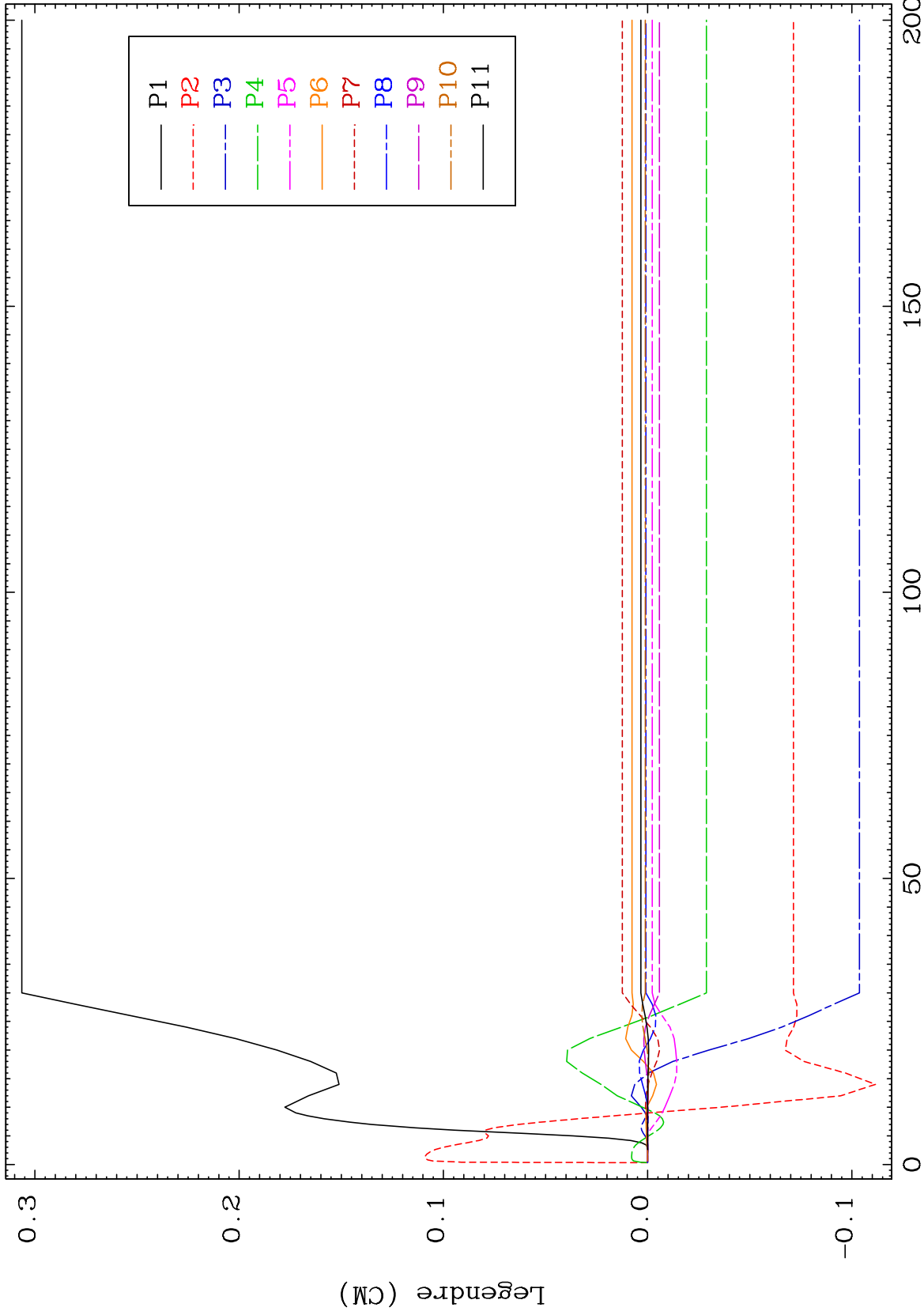
50

Incident Energy (MeV)

150

37-Rb-82

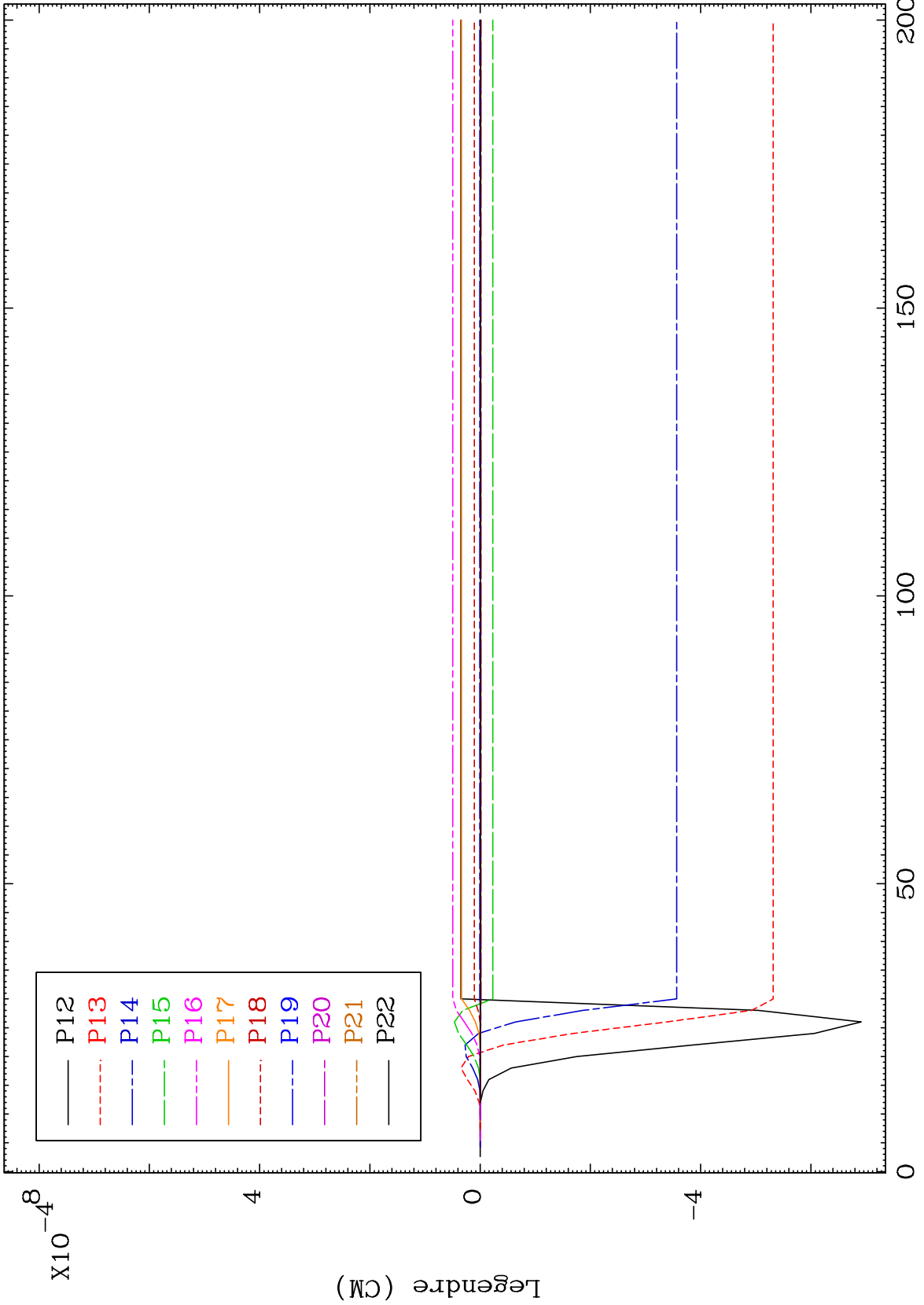
200



MAT 3716

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

37-Rb-82



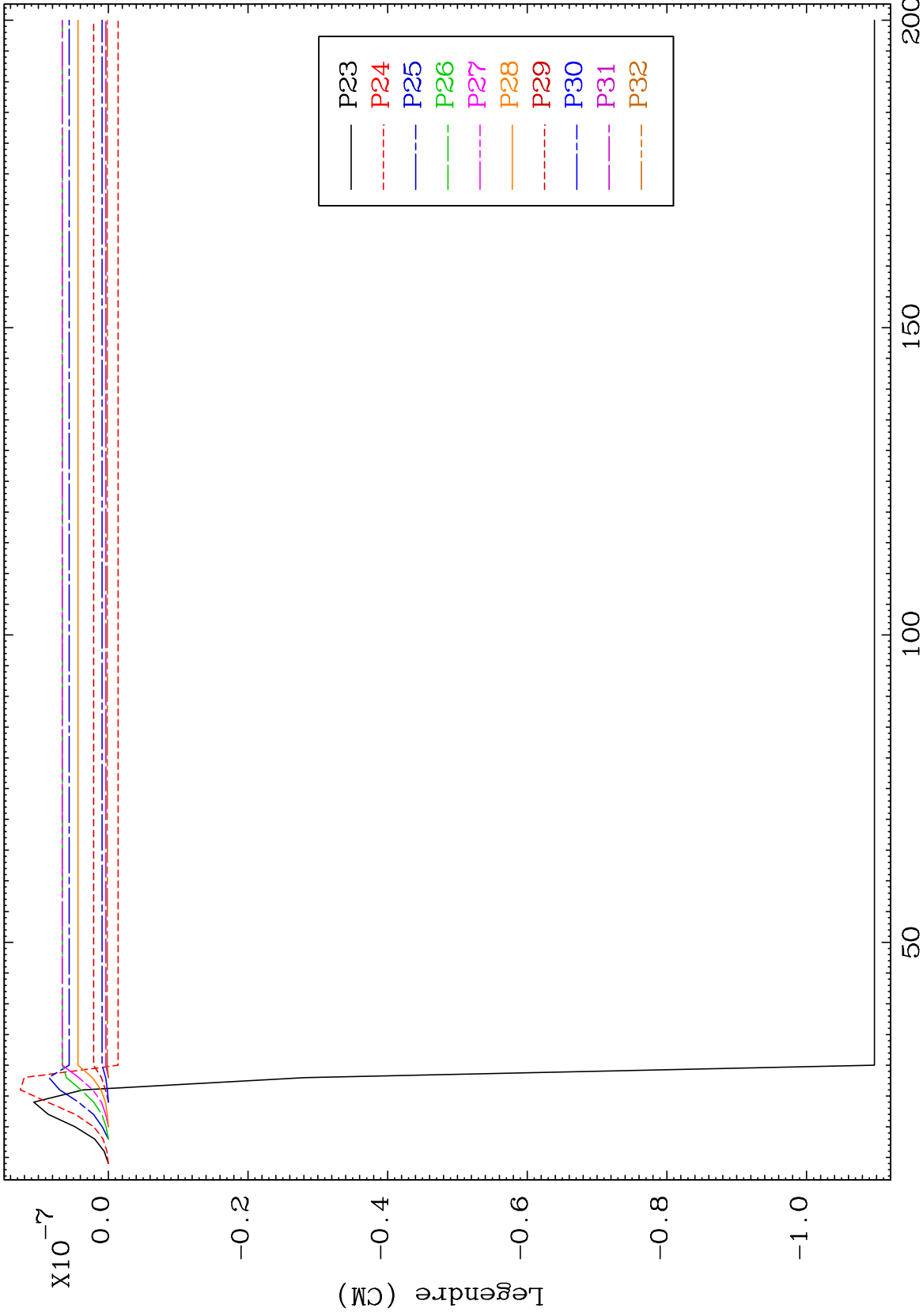
52

37-Rb-82

MAT 3716

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

37-Rb-82



53

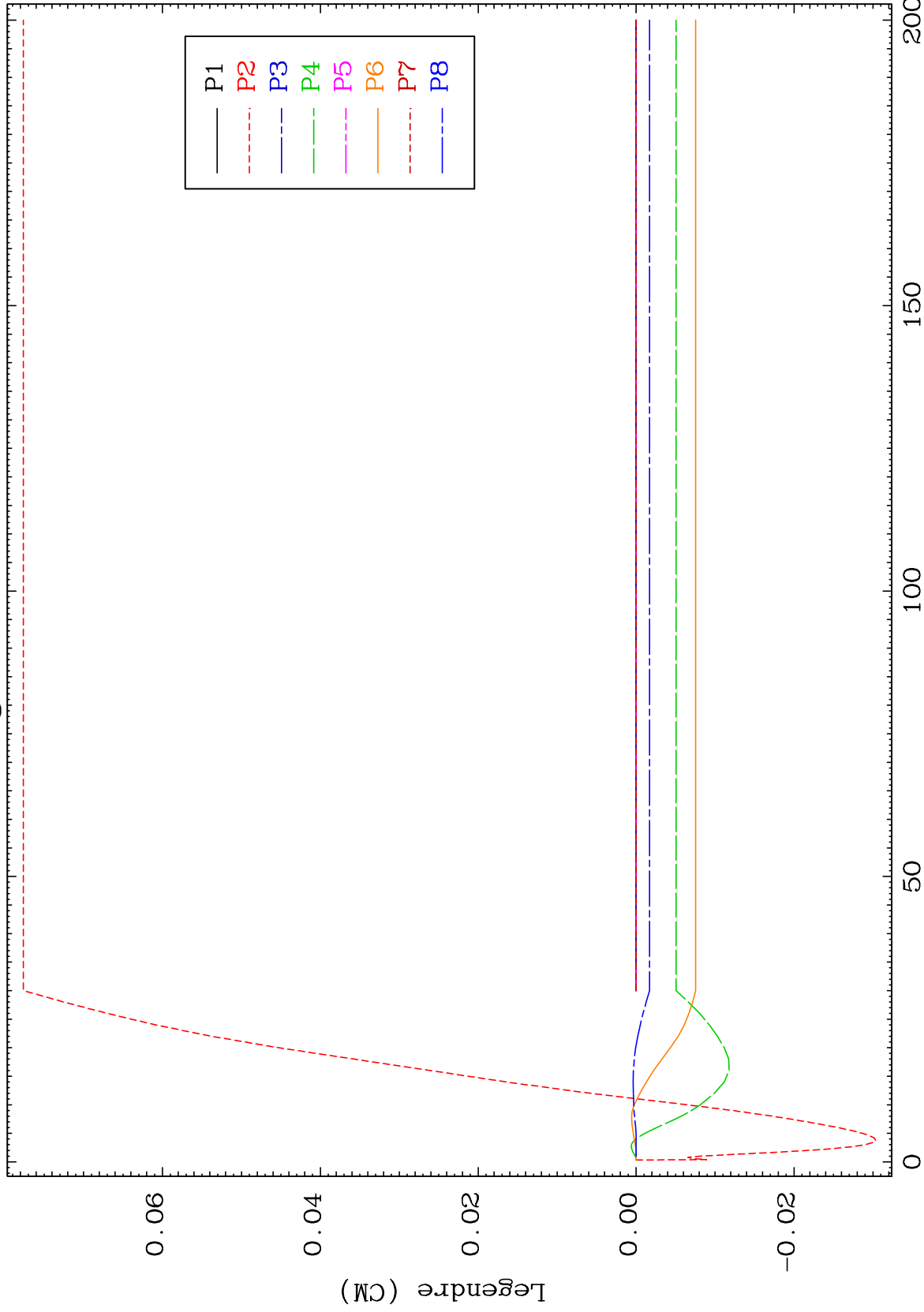
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



54

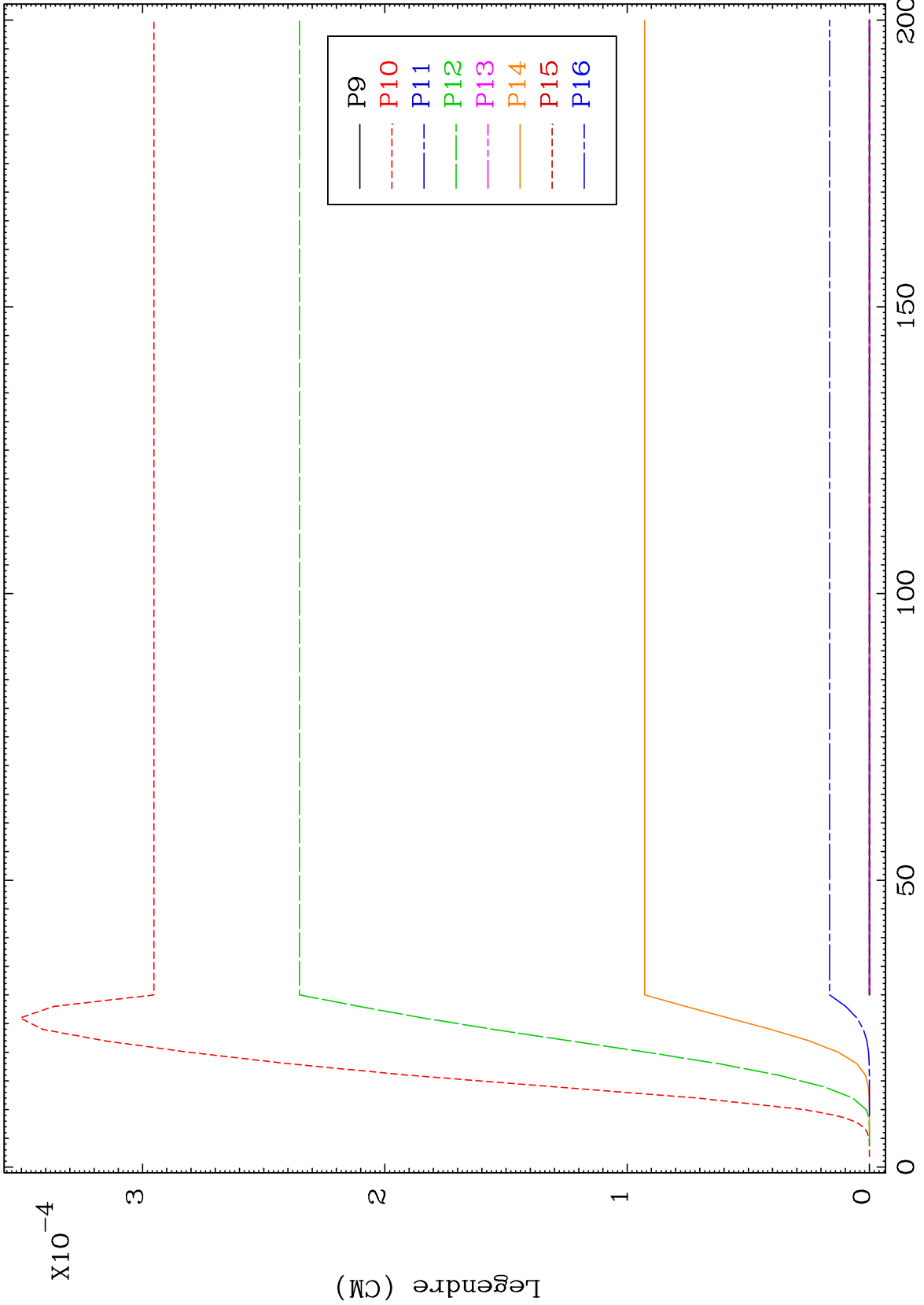
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



55

Incident Energy (MeV)

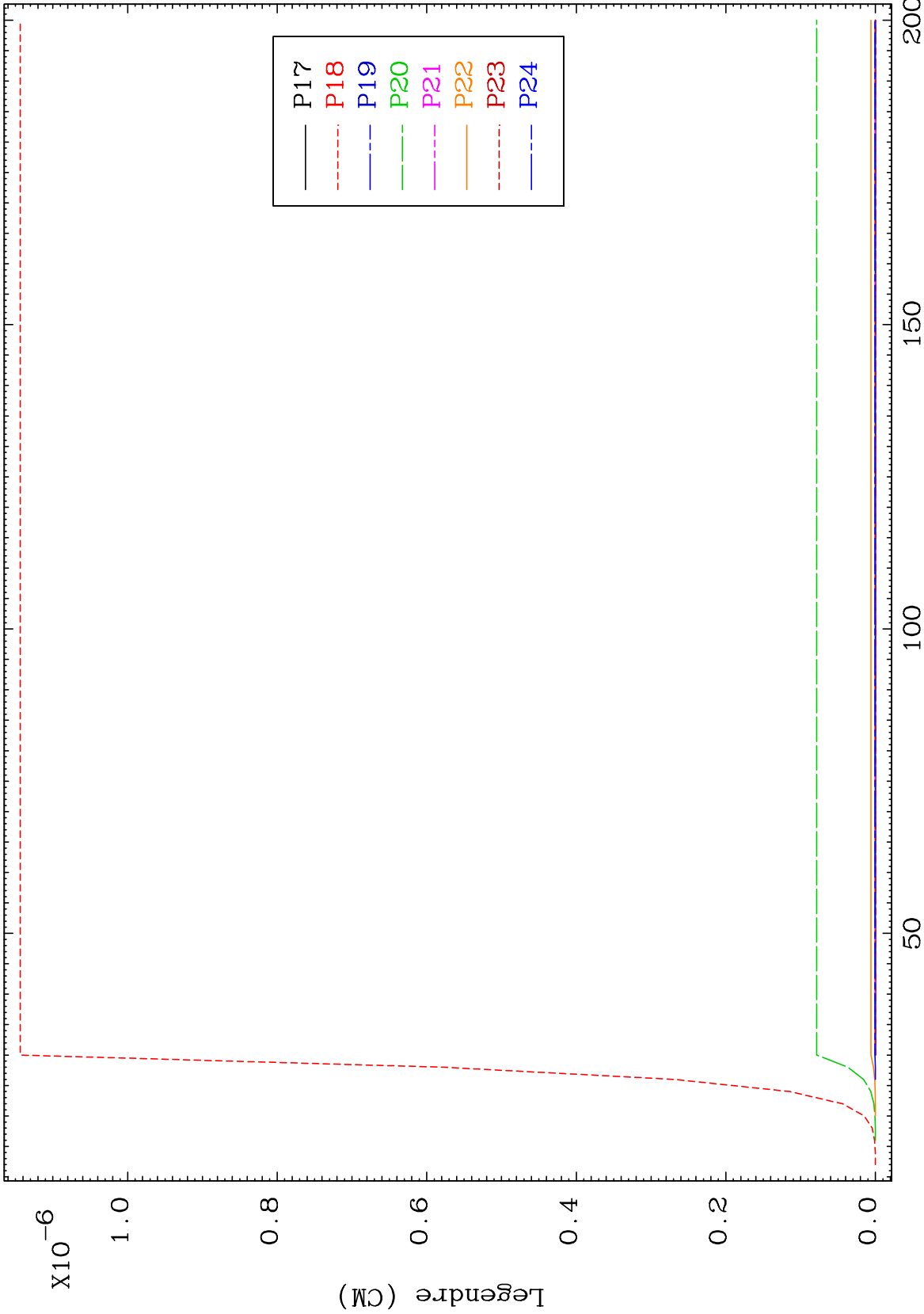
37-Rb-82



MAT 3716

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

37-Rb-82



56

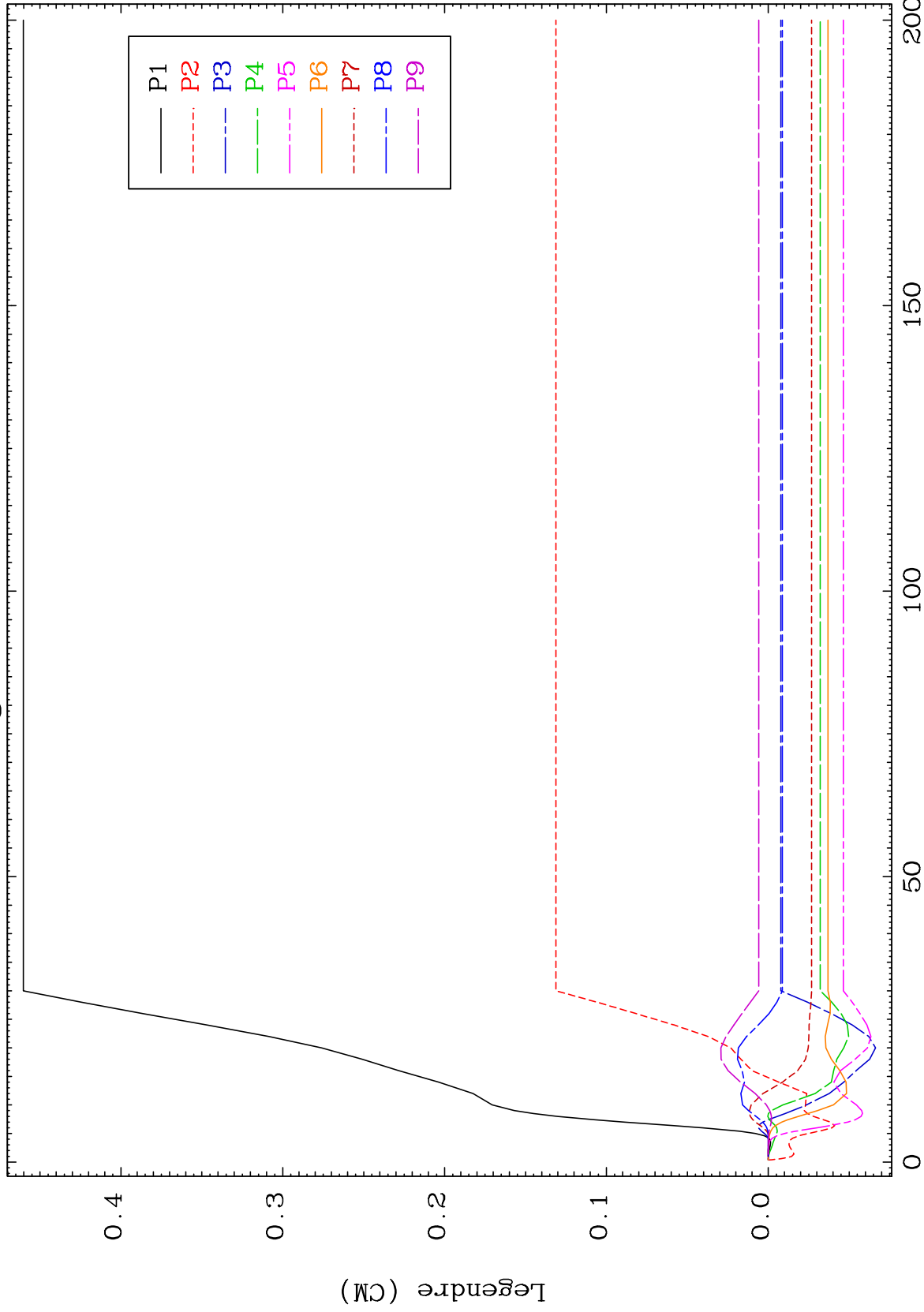
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



57

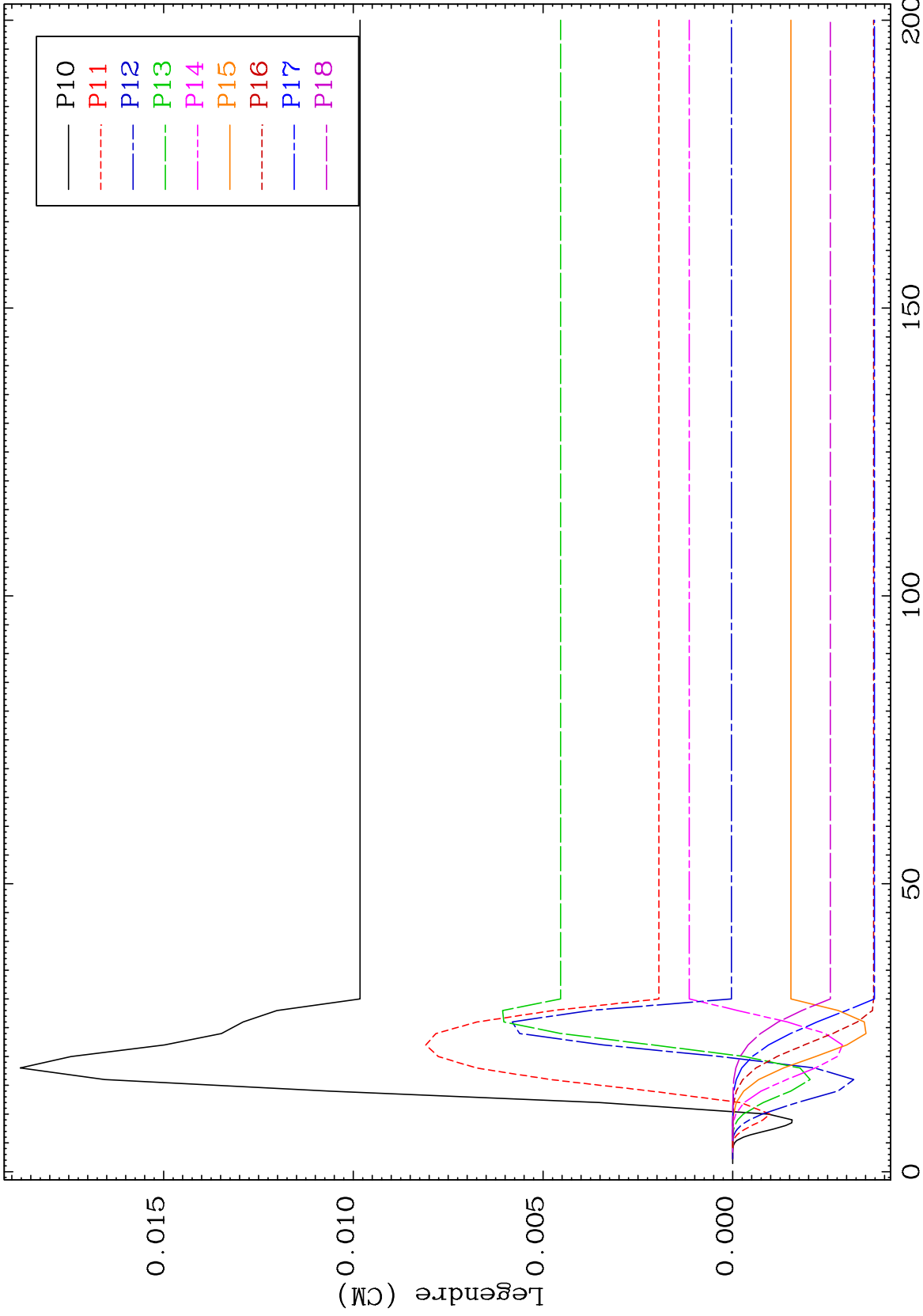
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



58

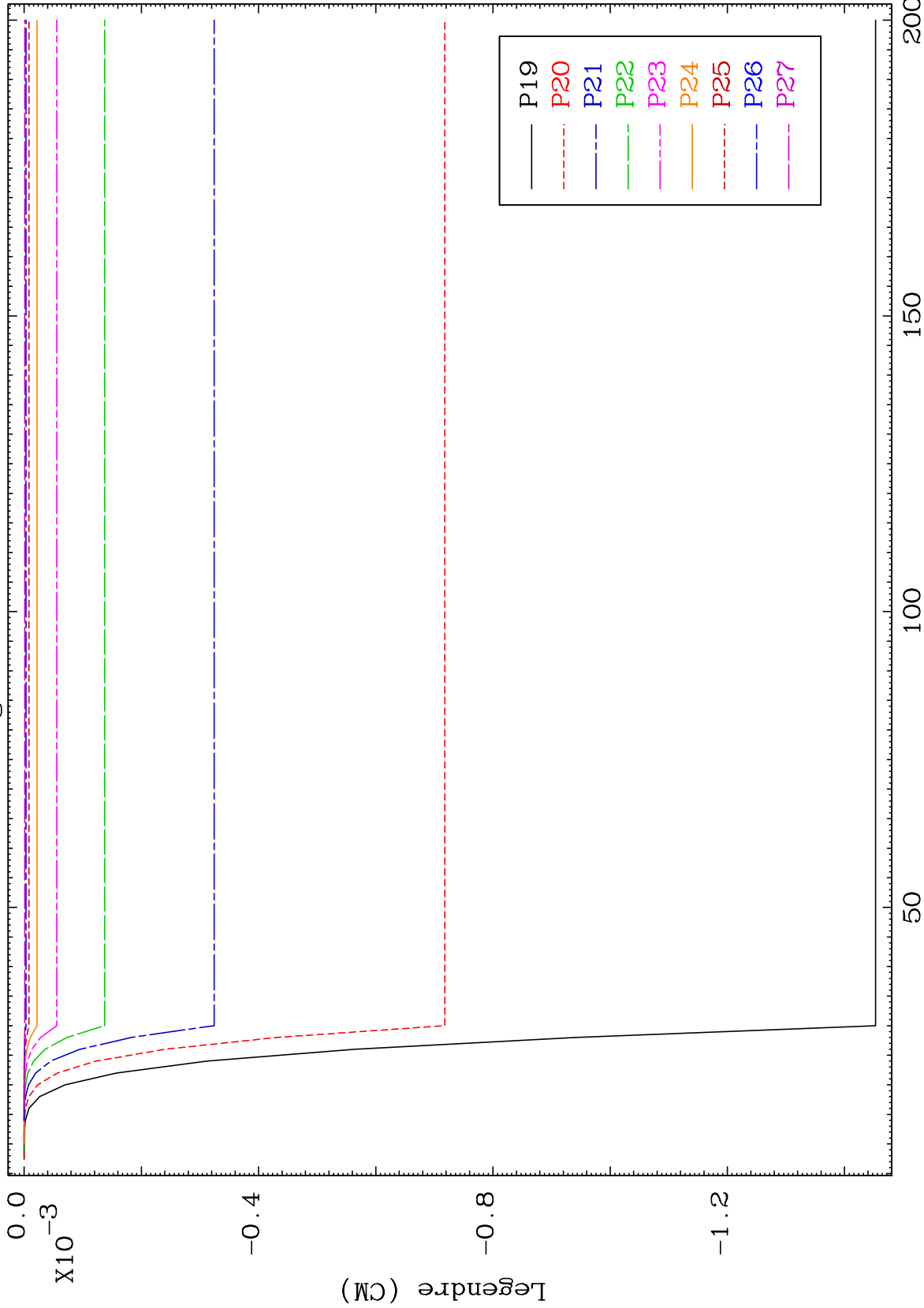
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



59

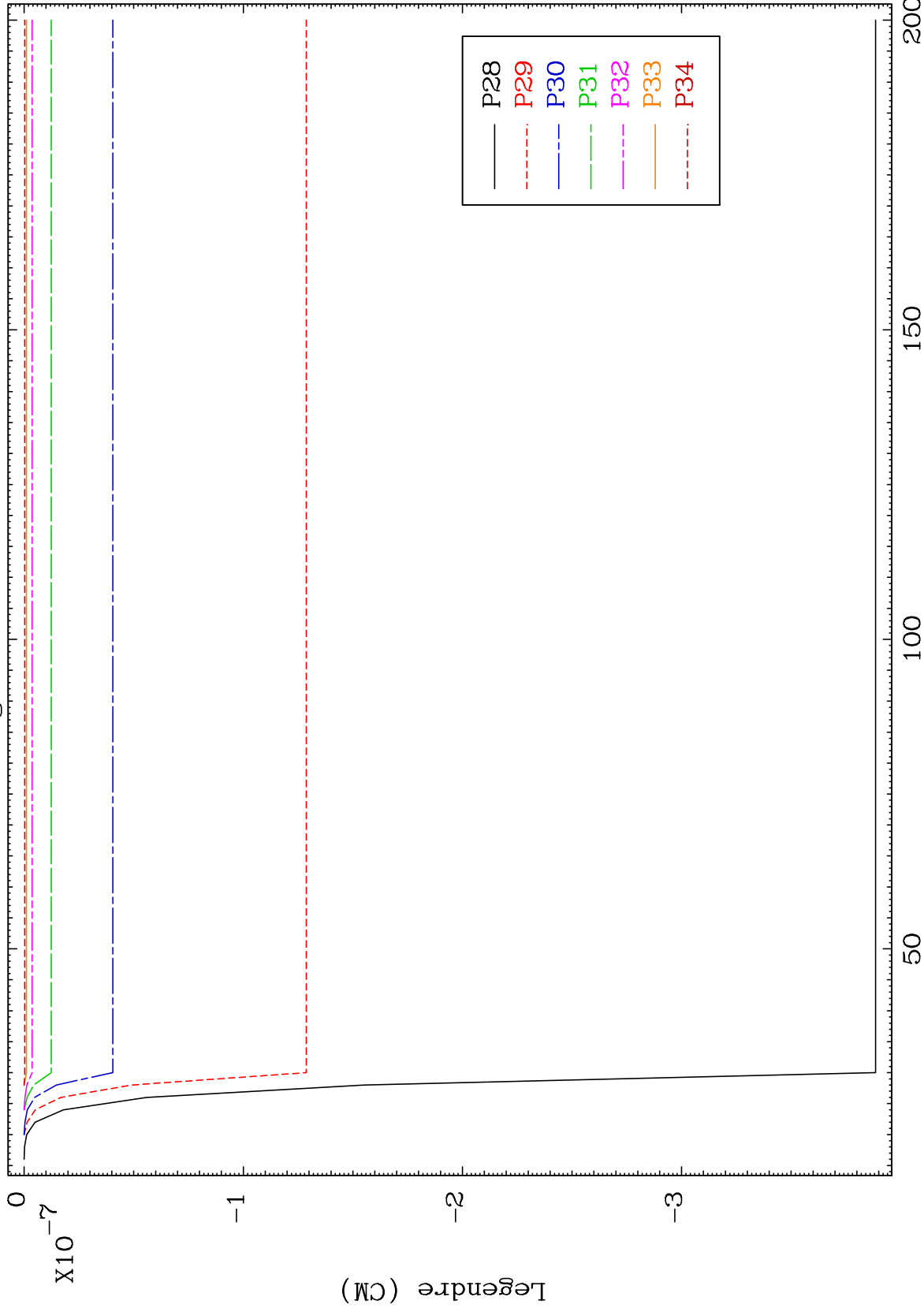
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



60

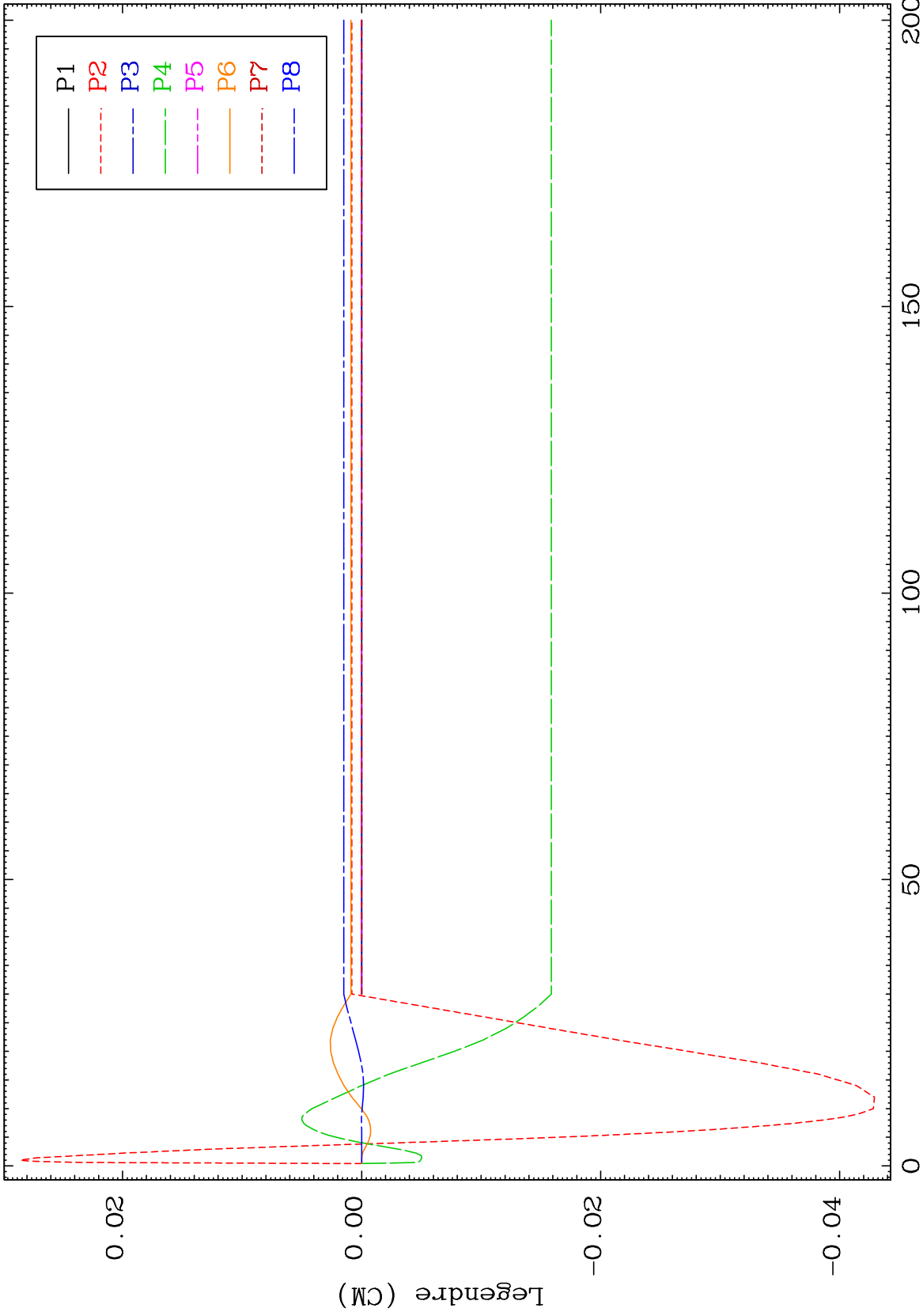
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



61

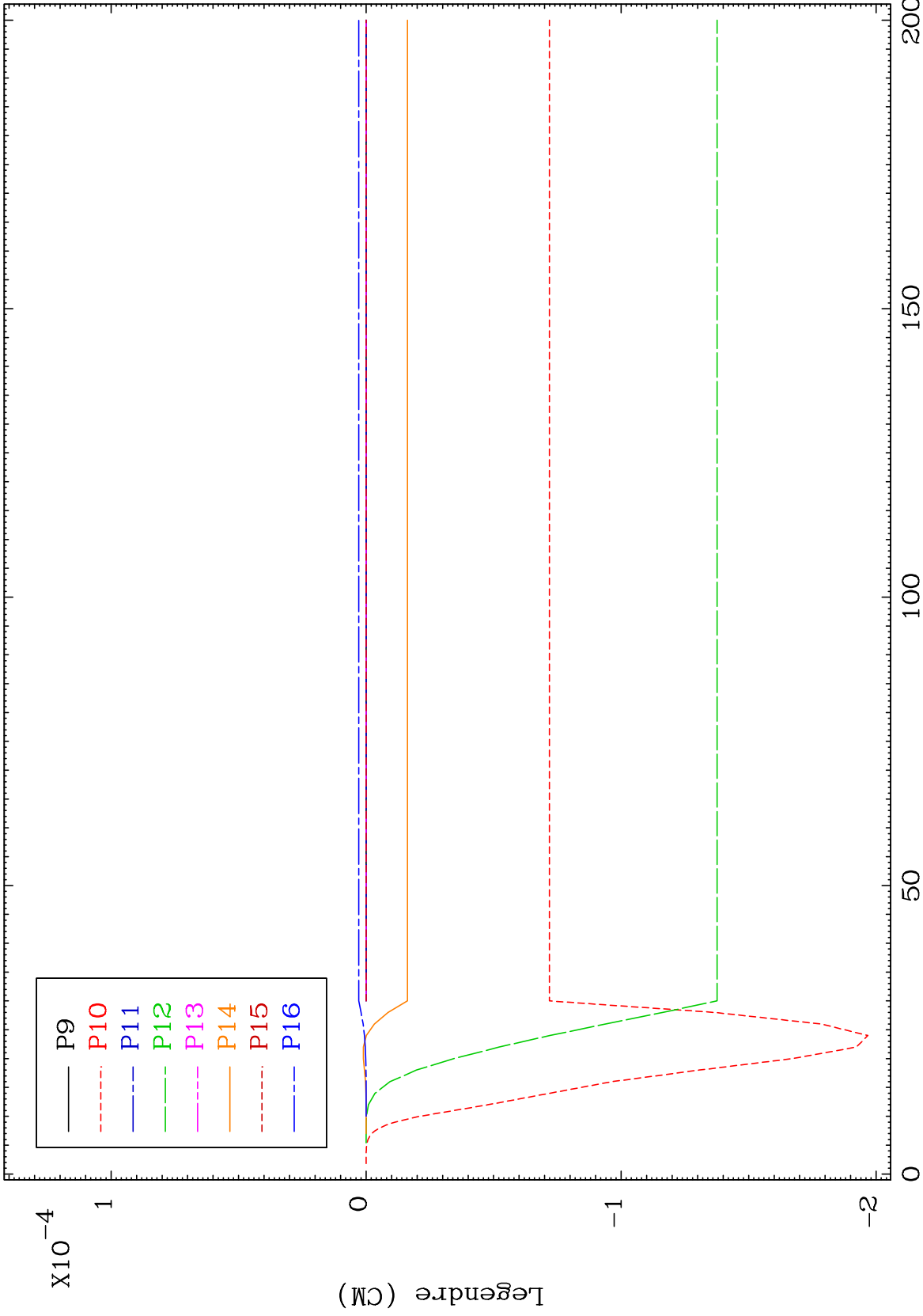
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



62

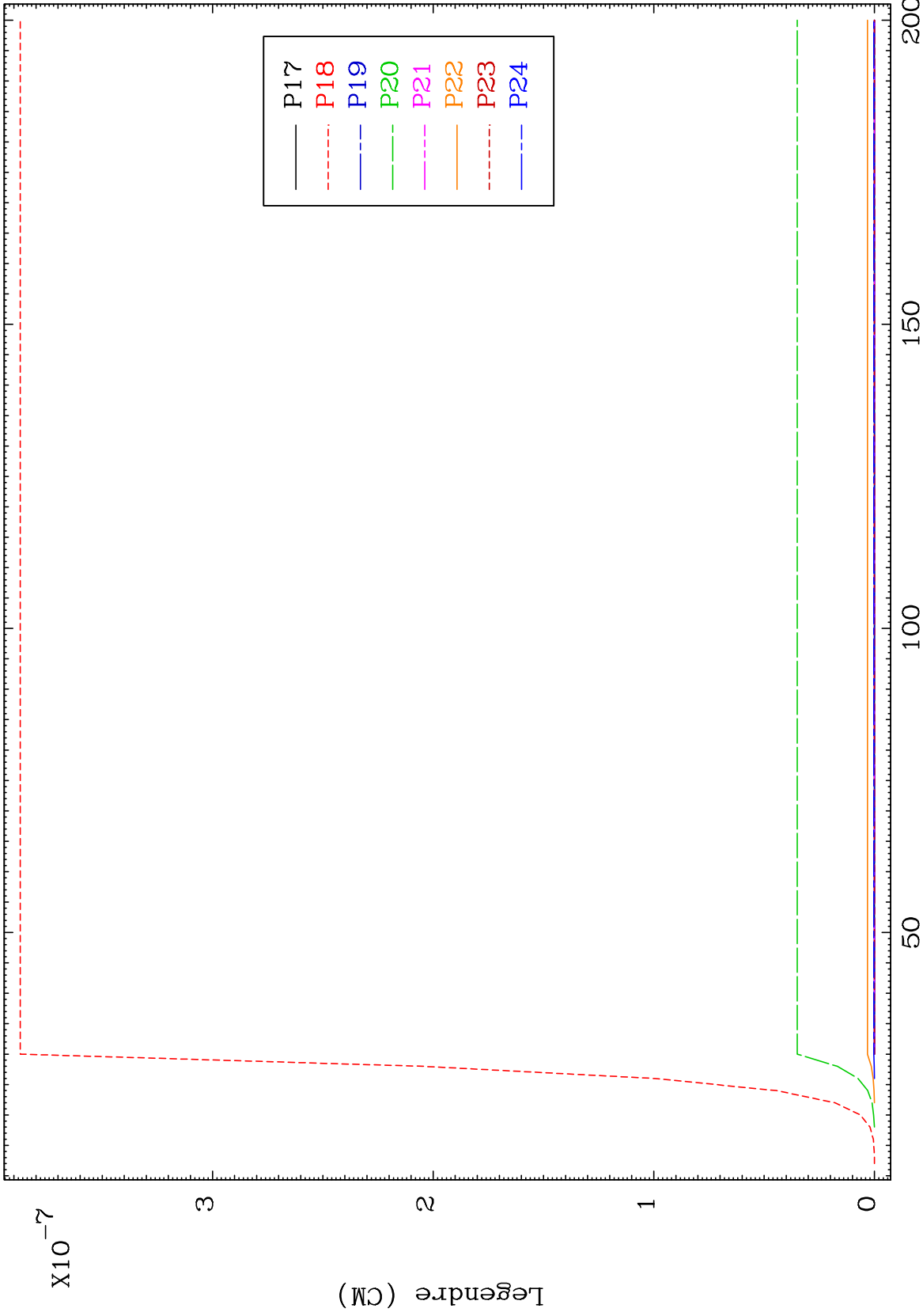
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



63

Incident Energy (MeV)

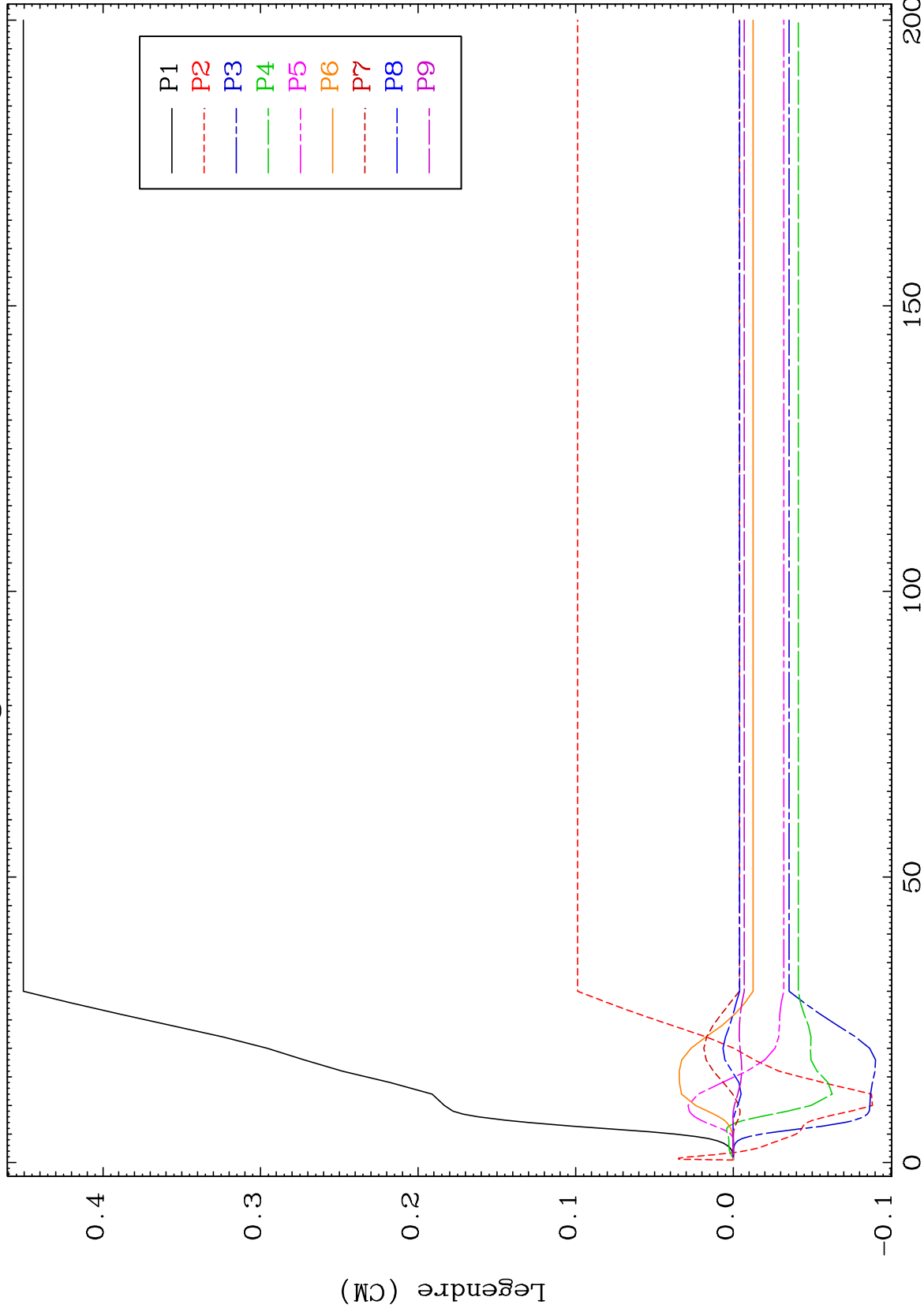
37-Rb-82



MAT 3716

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

37-Rb-82



64

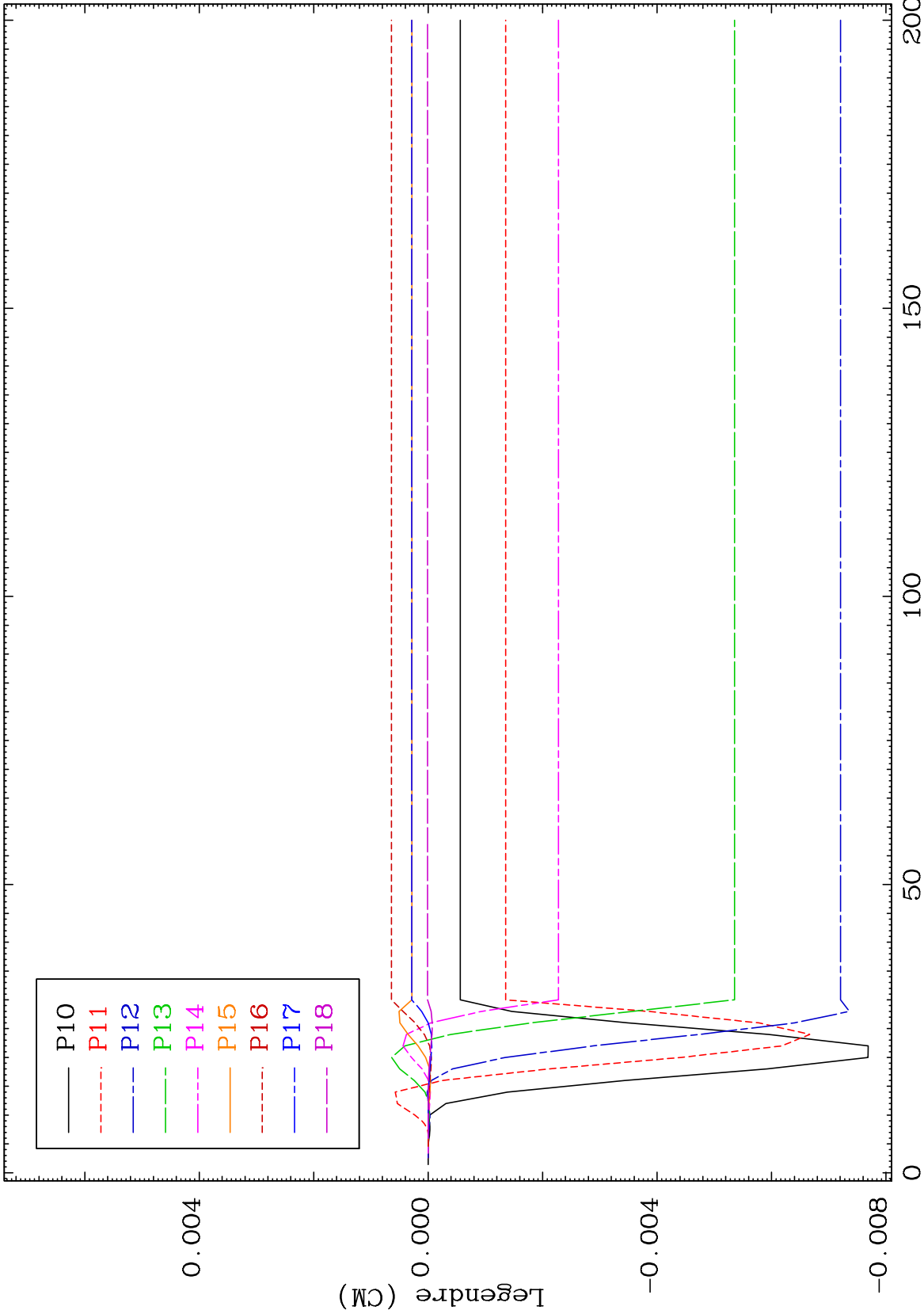
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



65

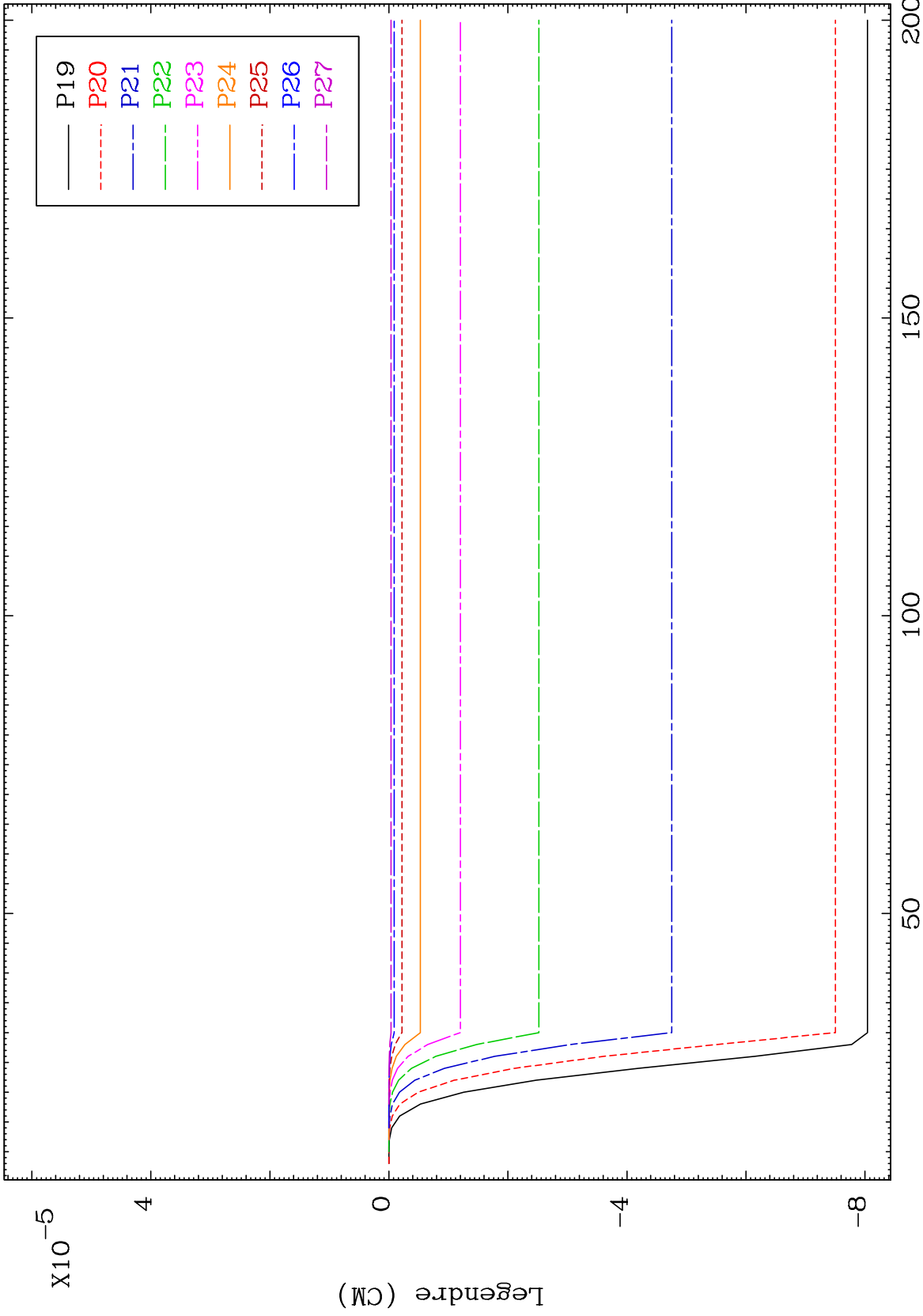
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



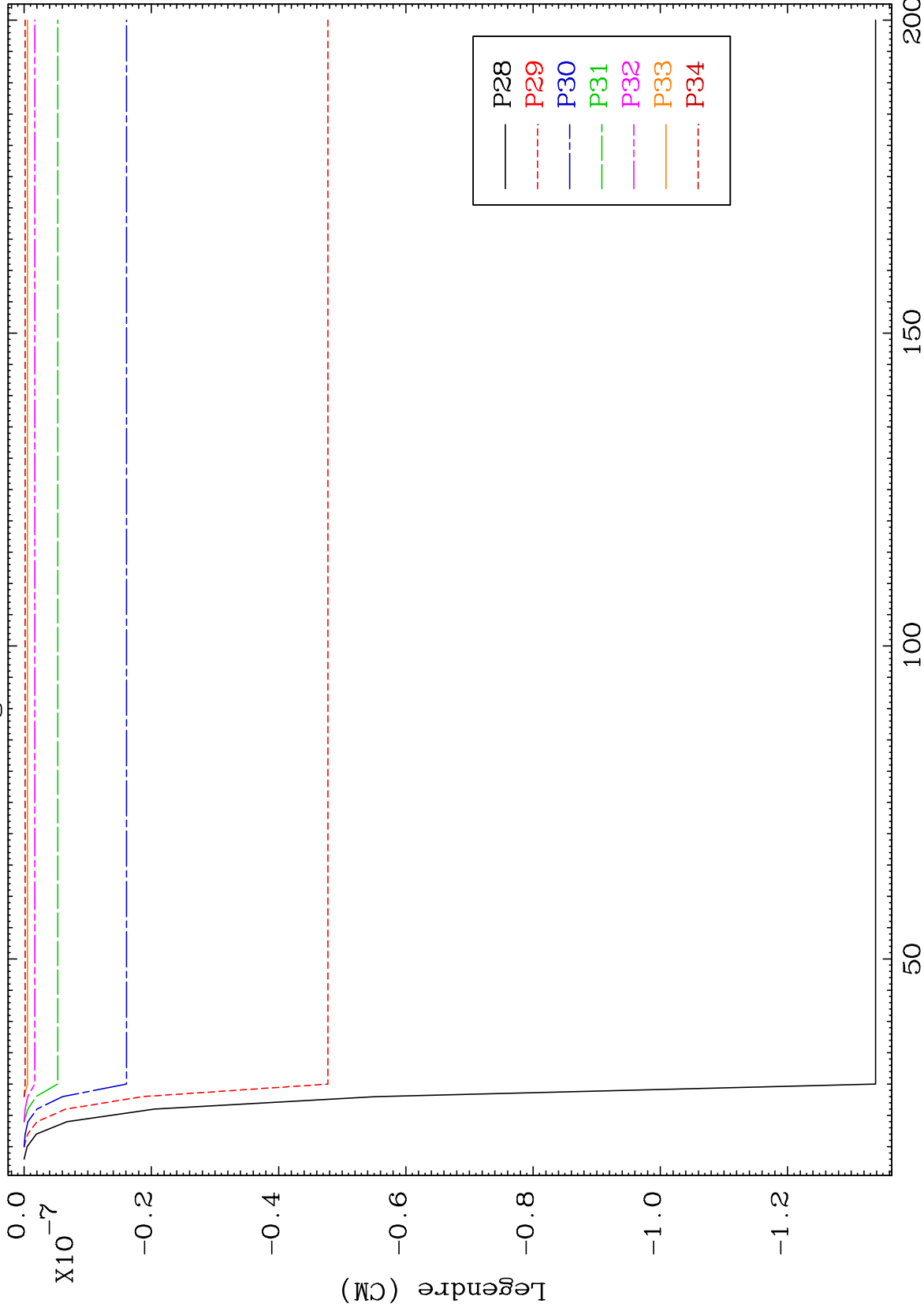
66

37-Rb-82

MAT 3716

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

37-Rb-82



67

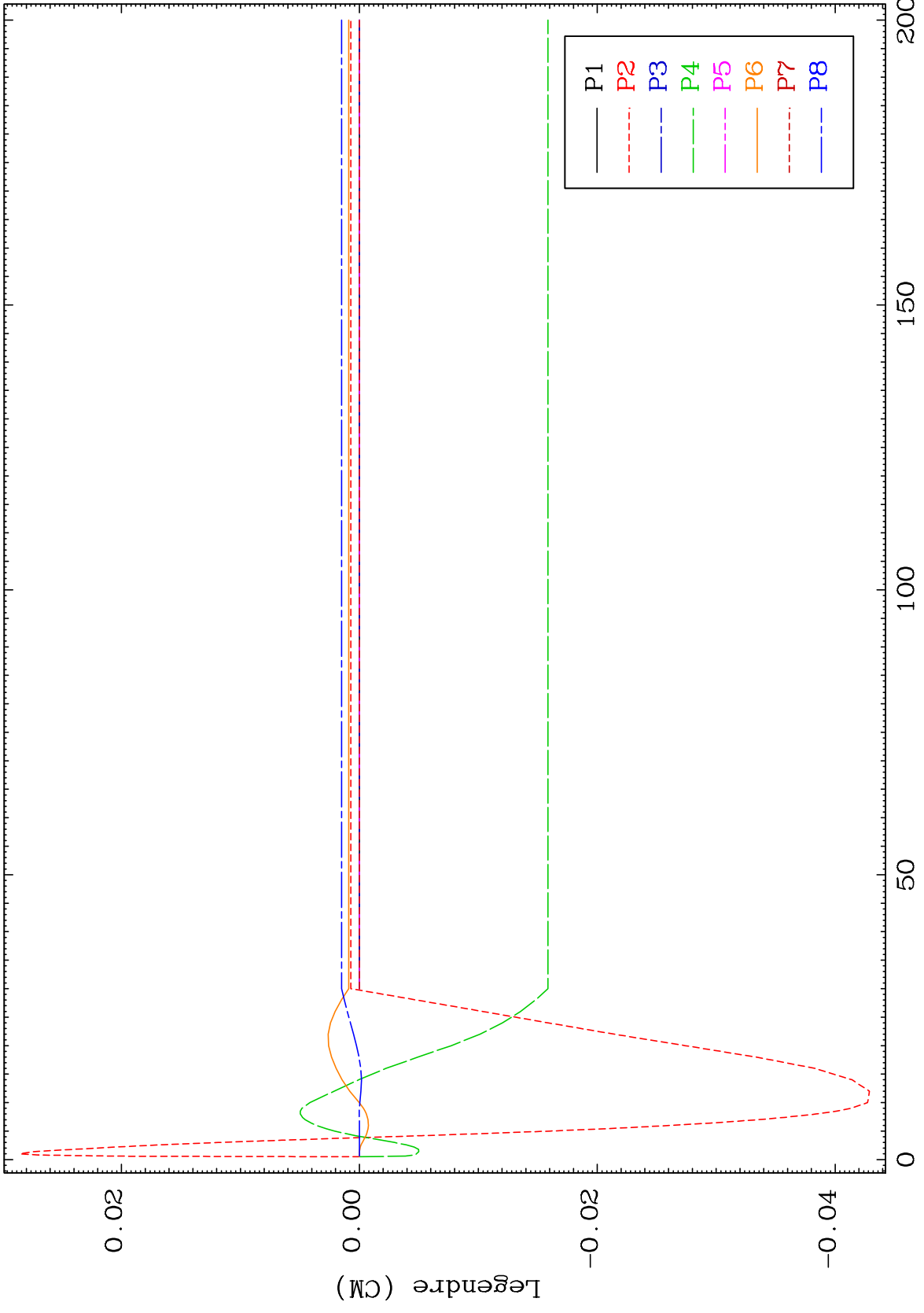
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



68

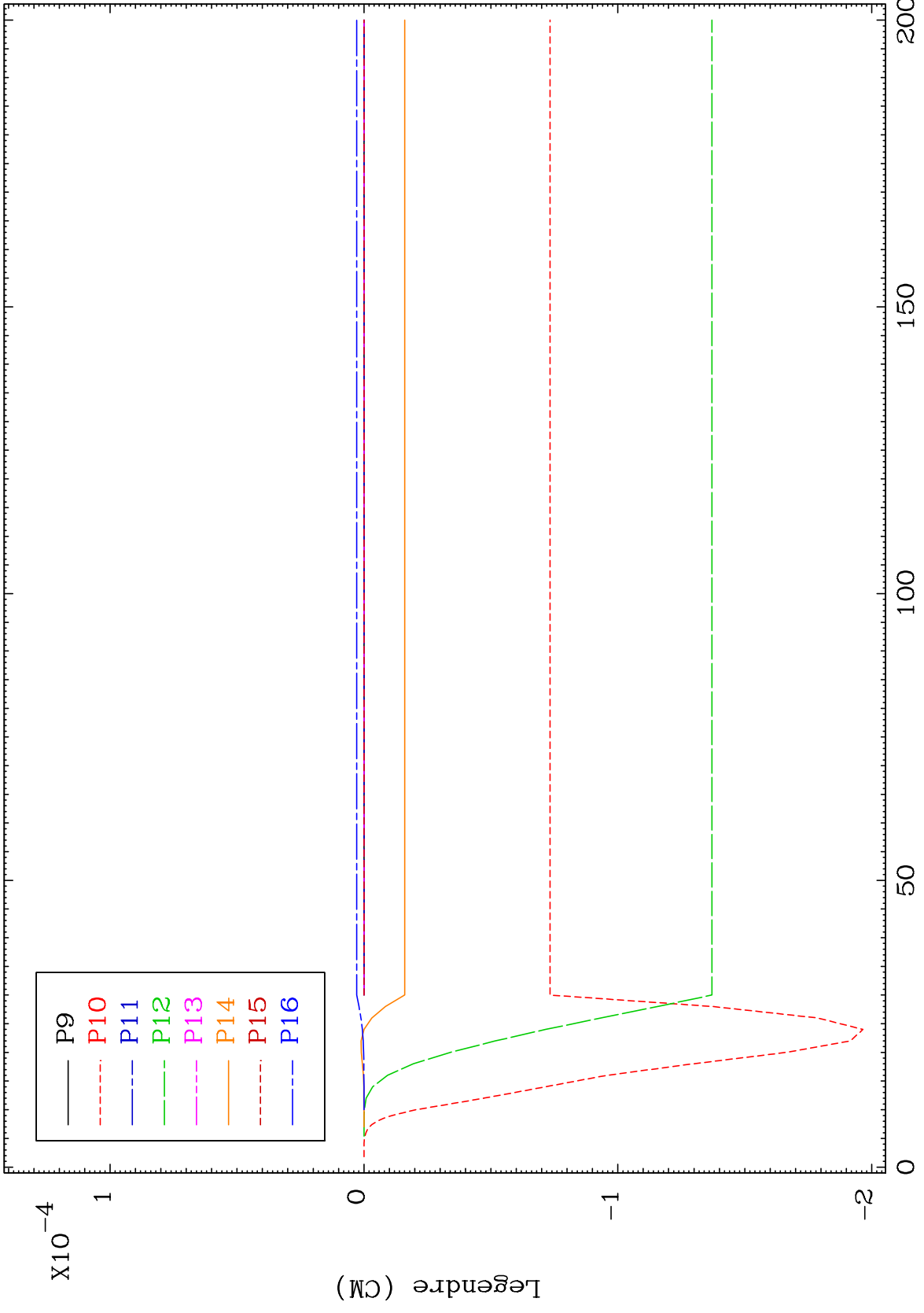
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



69

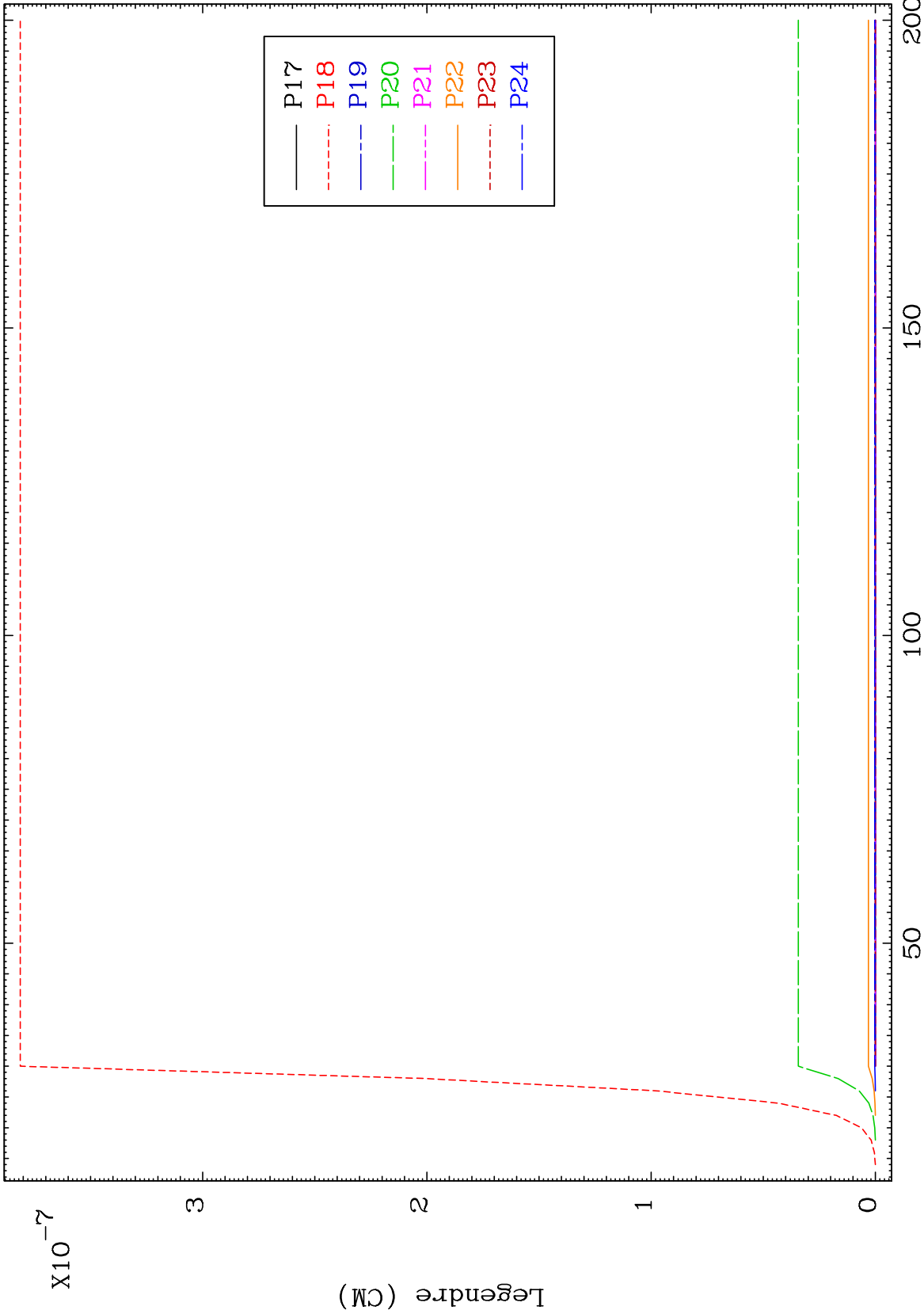
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



70

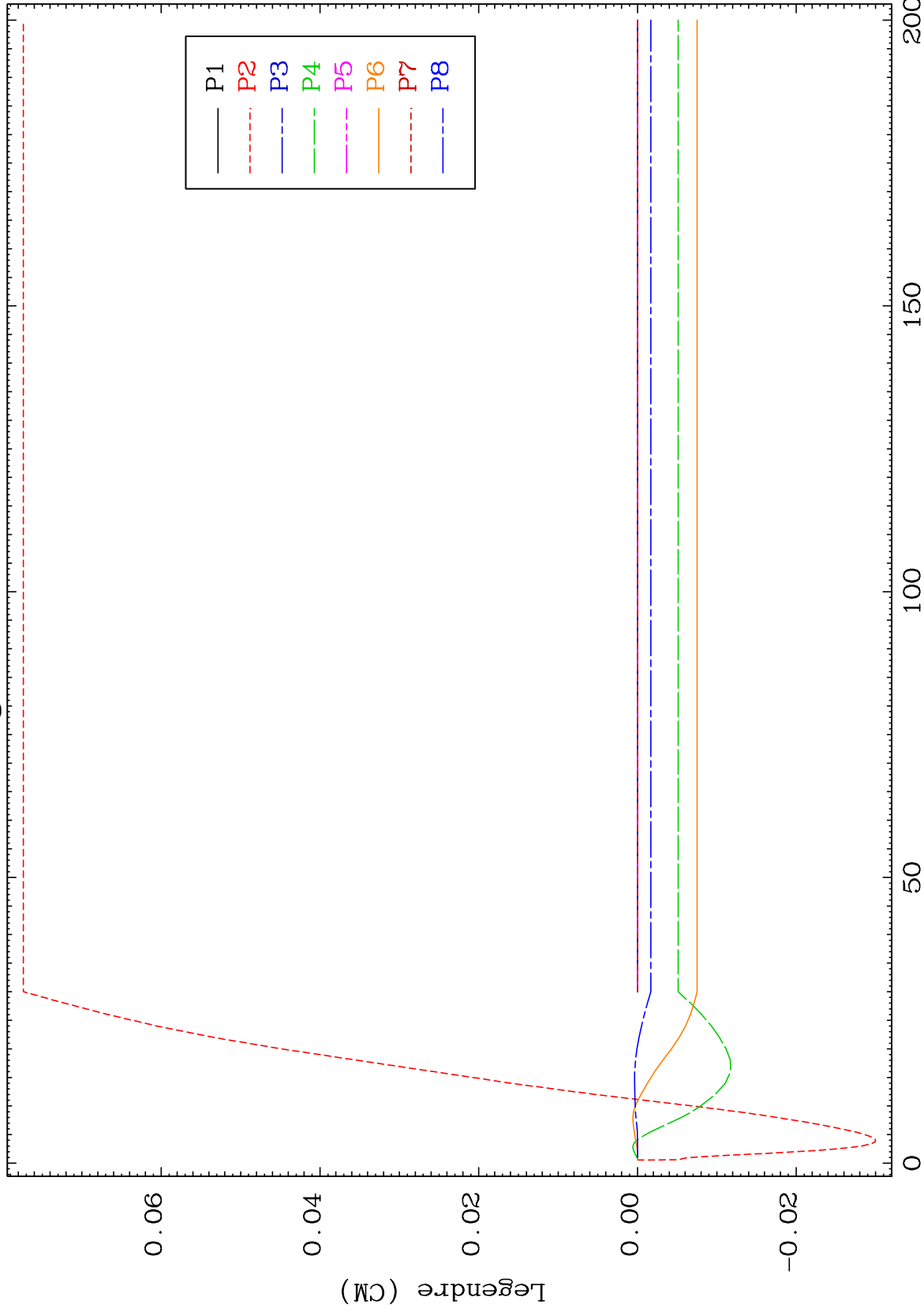
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



71

Incident Energy (MeV)

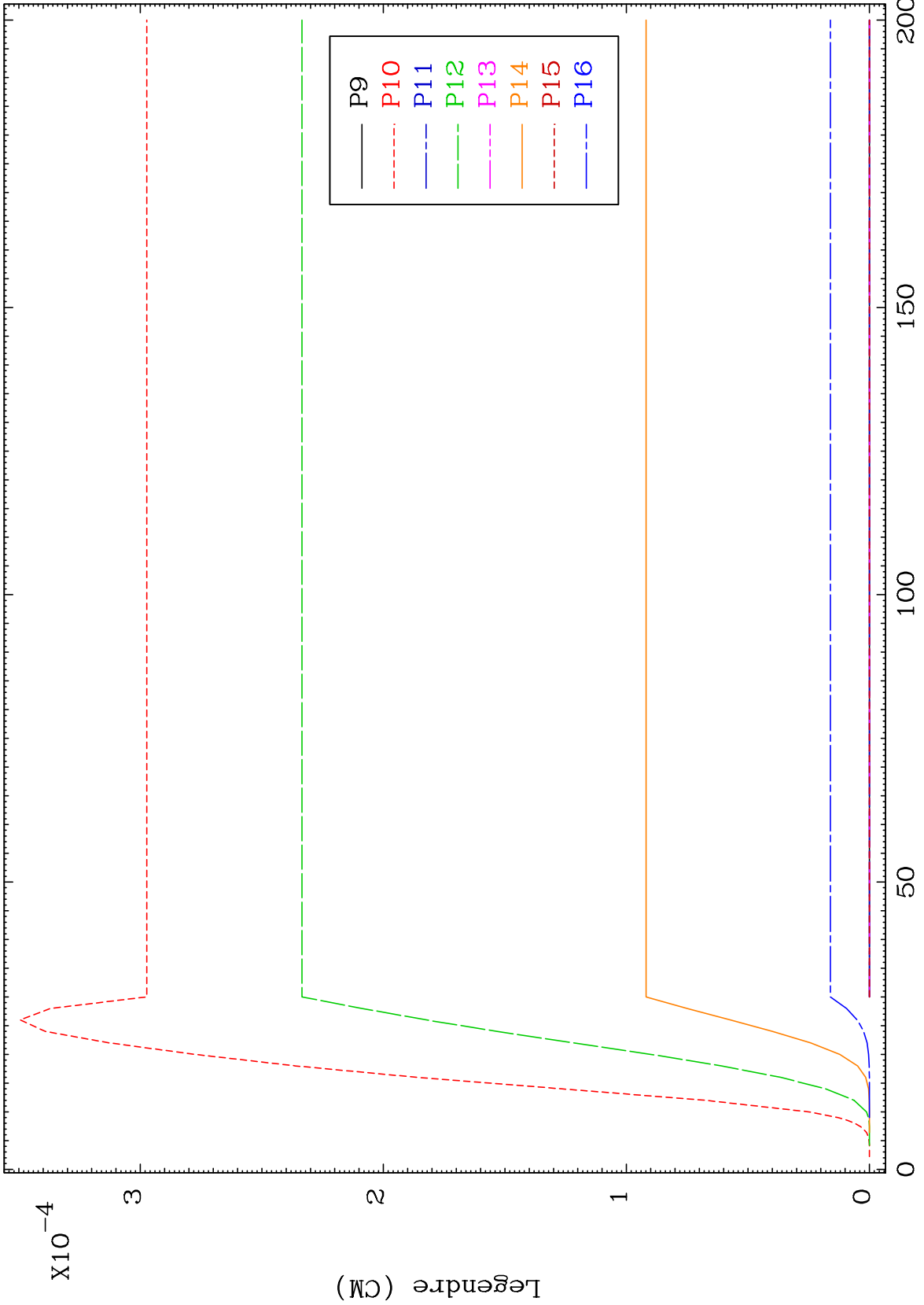
37-Rb-82



MAT 3716

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

37-Rb-82



72

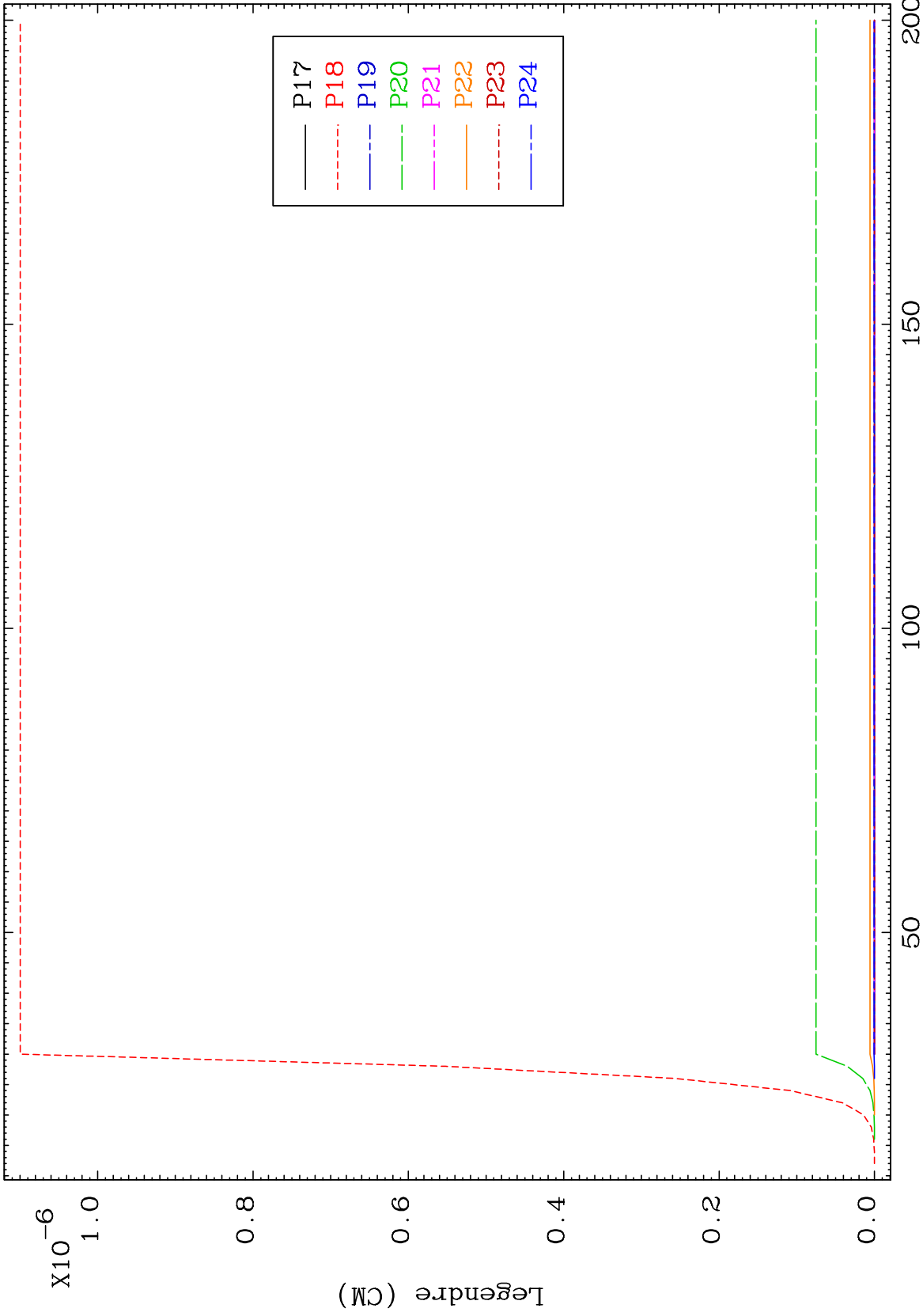
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



73

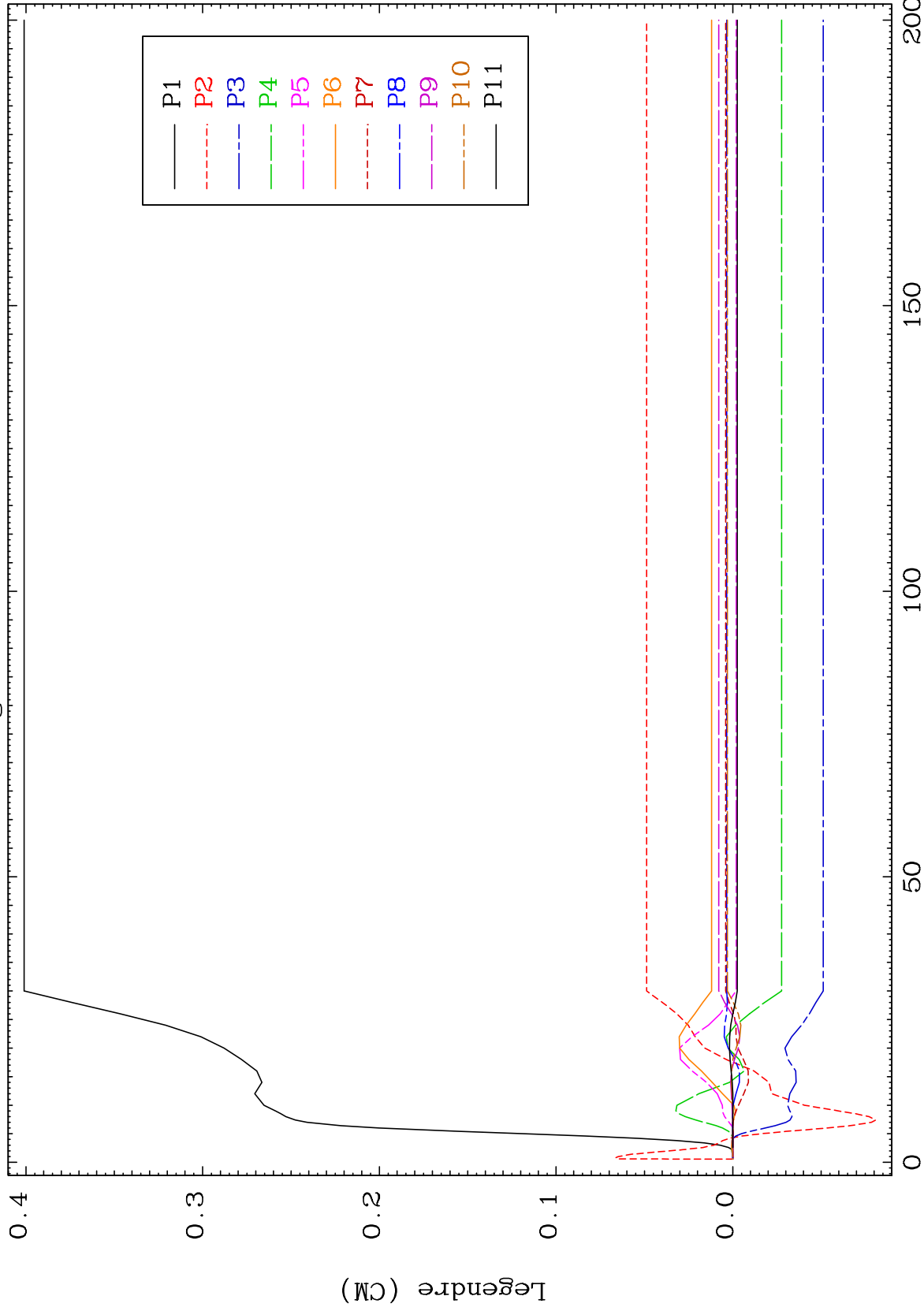
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



74

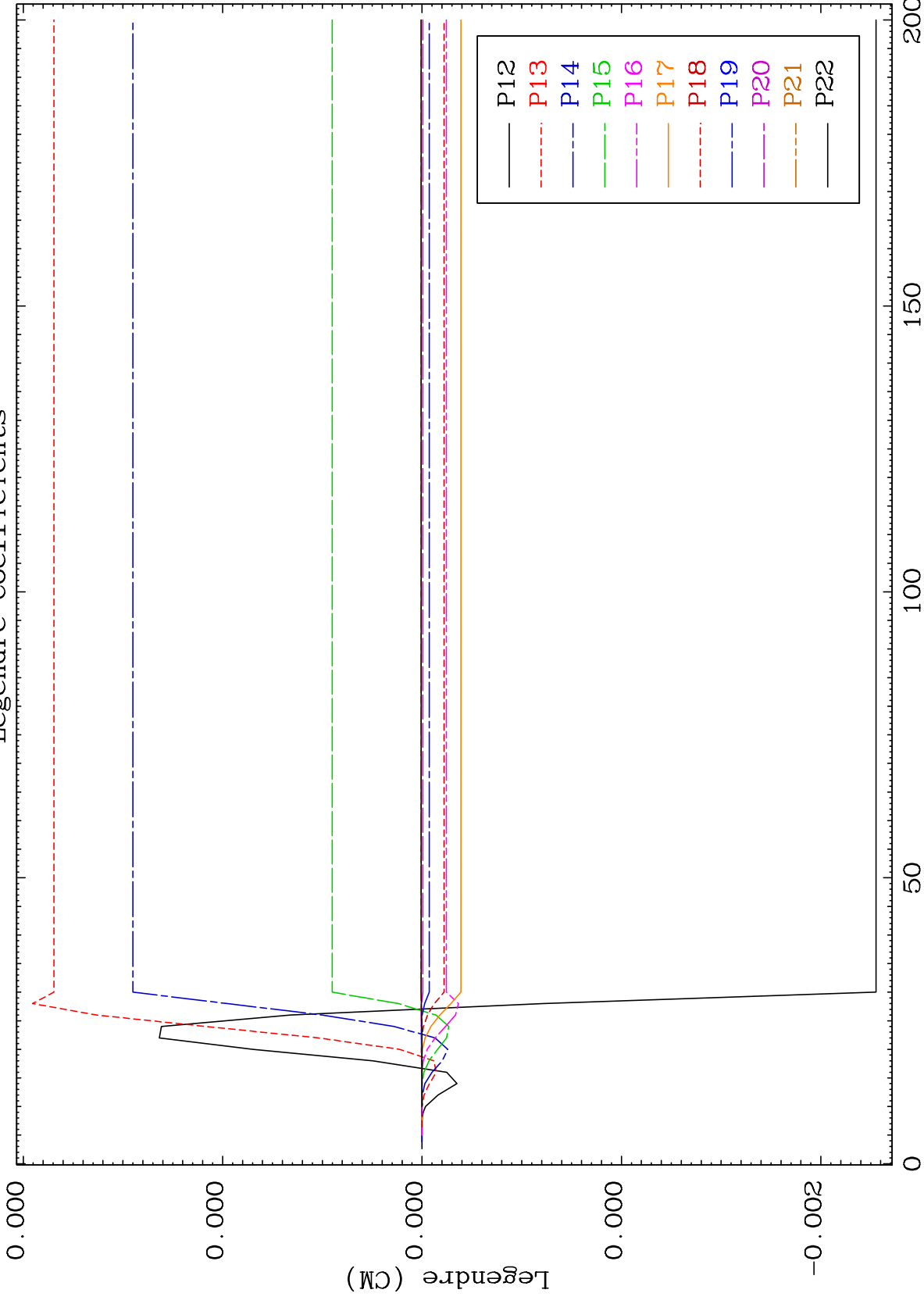
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



75

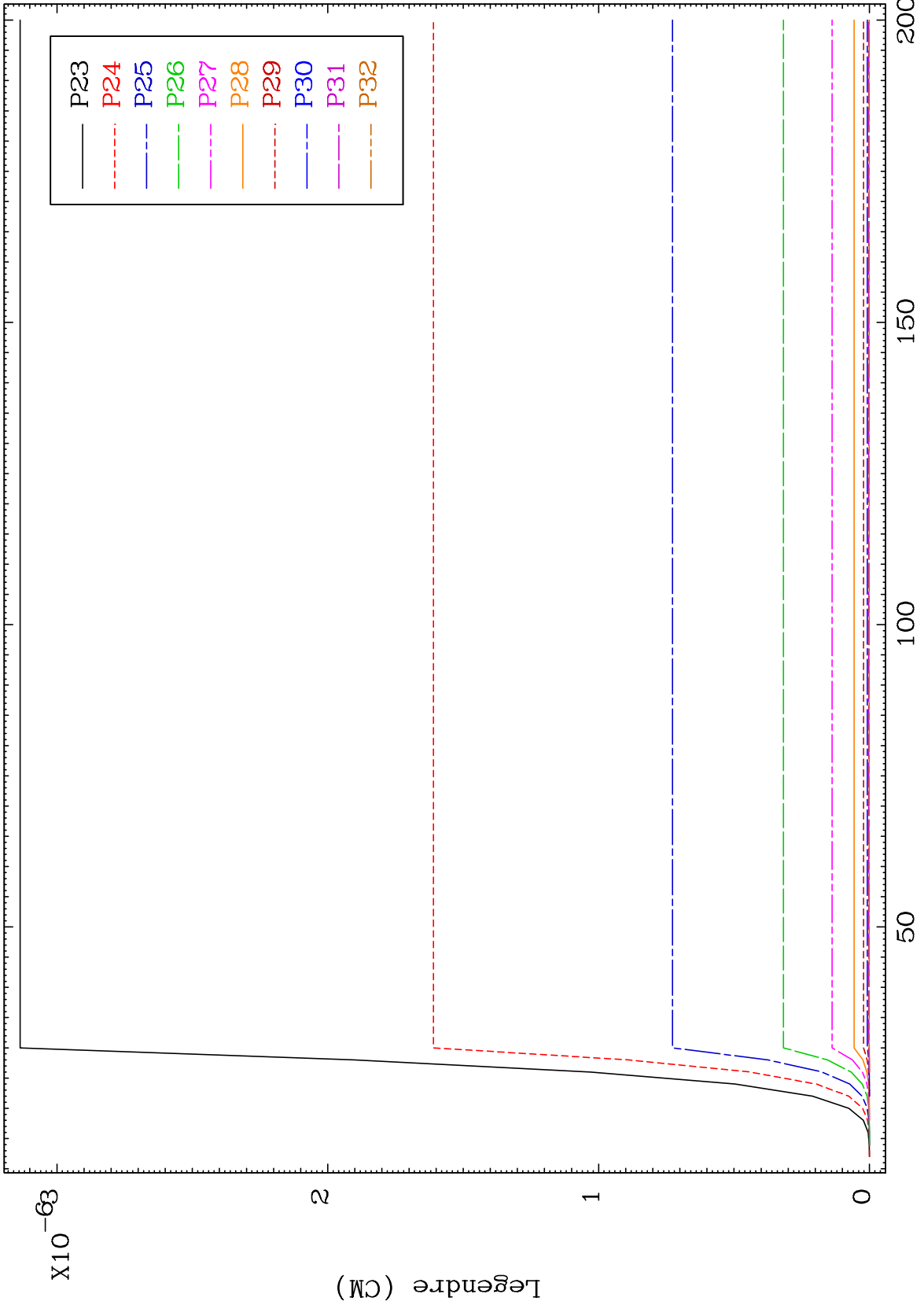
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



76

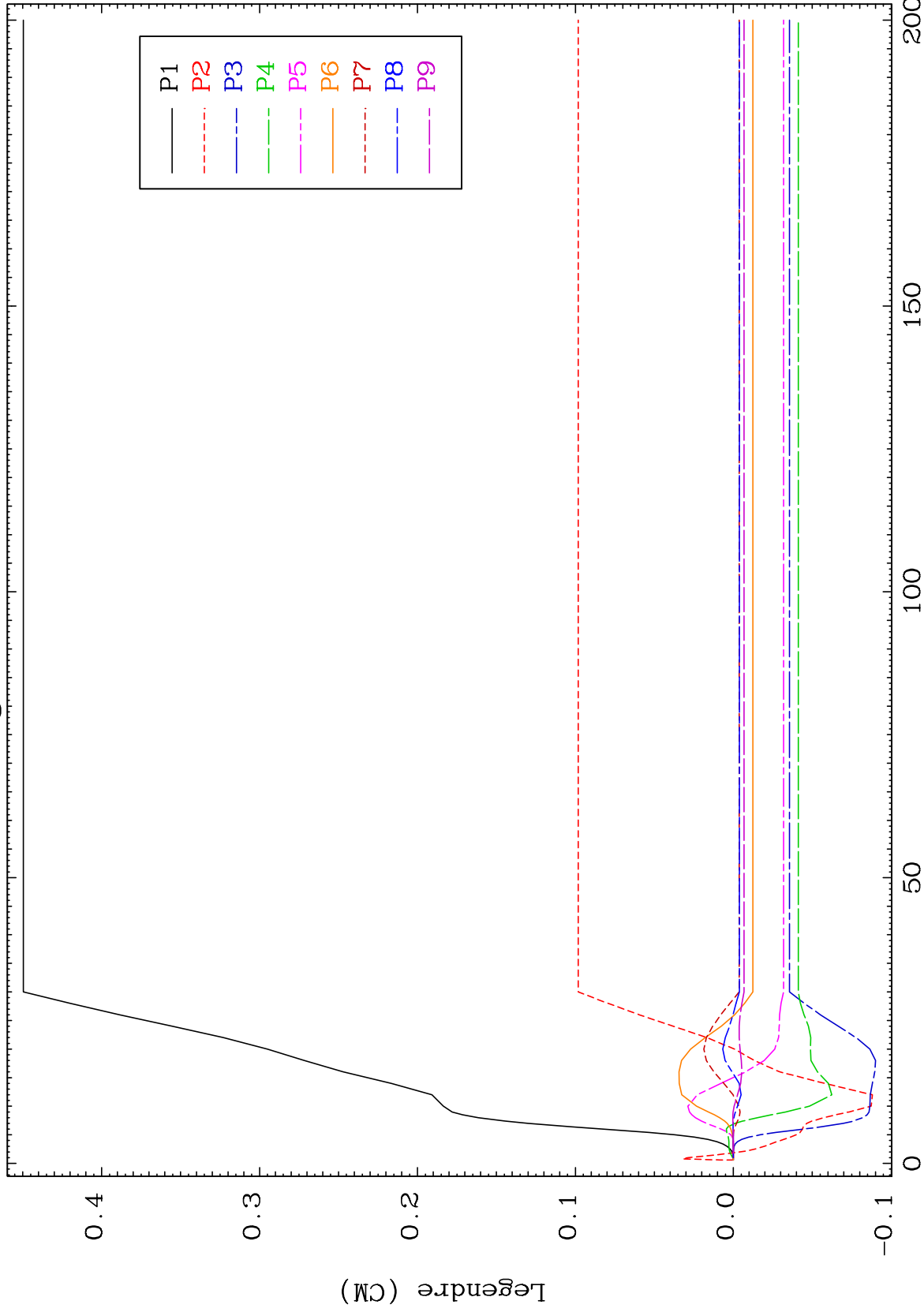
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



77

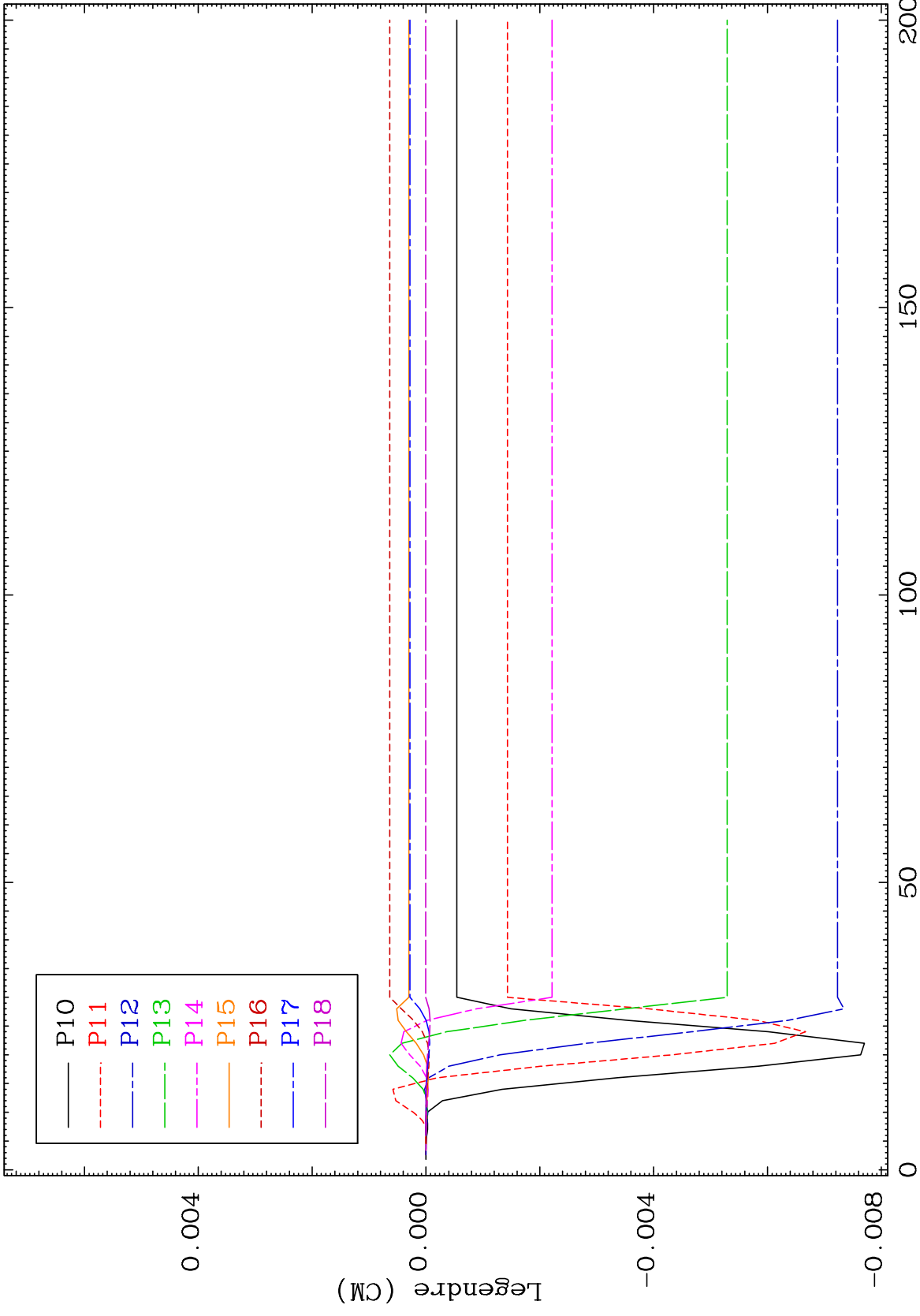
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



78

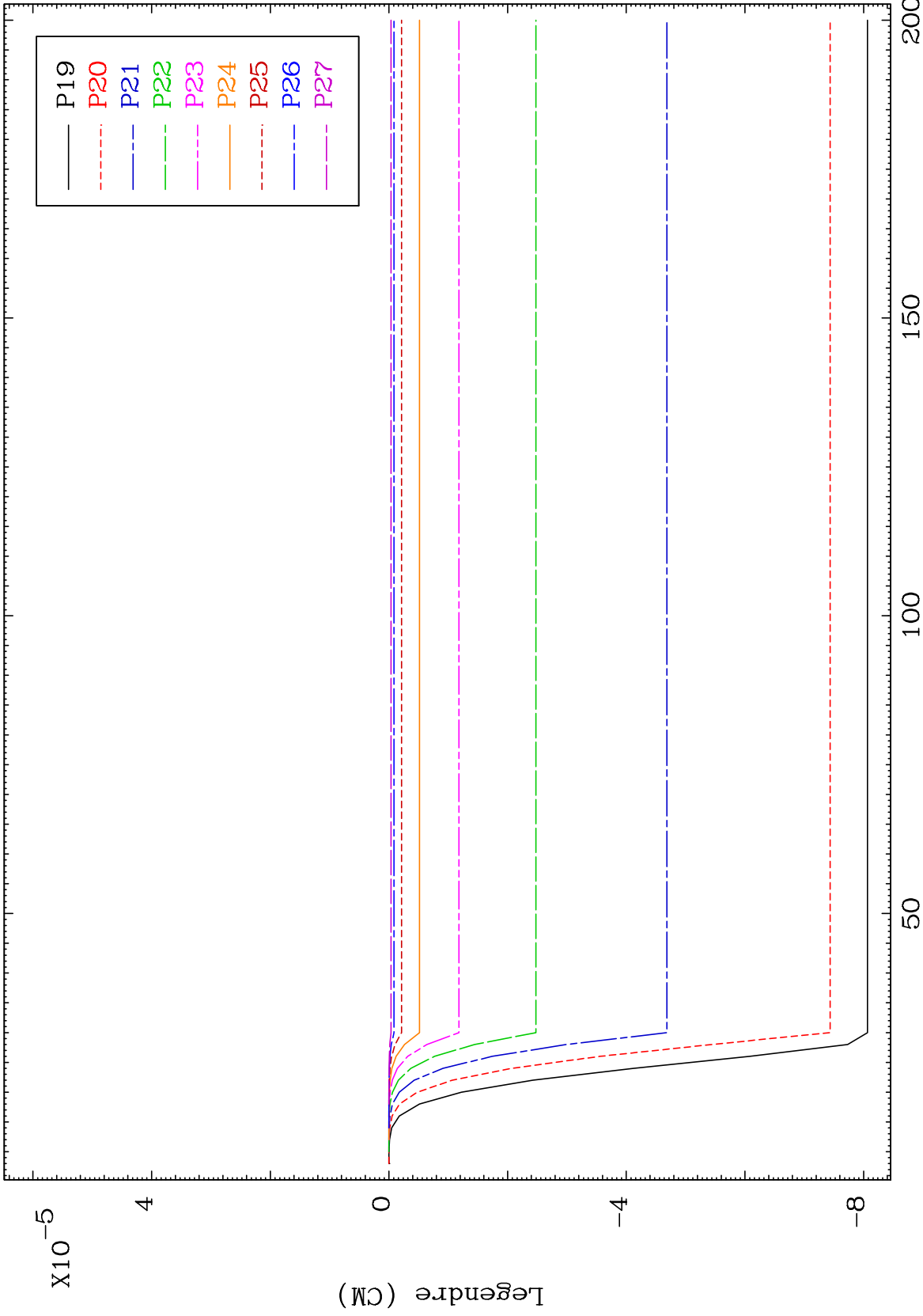
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



79

Incident Energy (MeV)

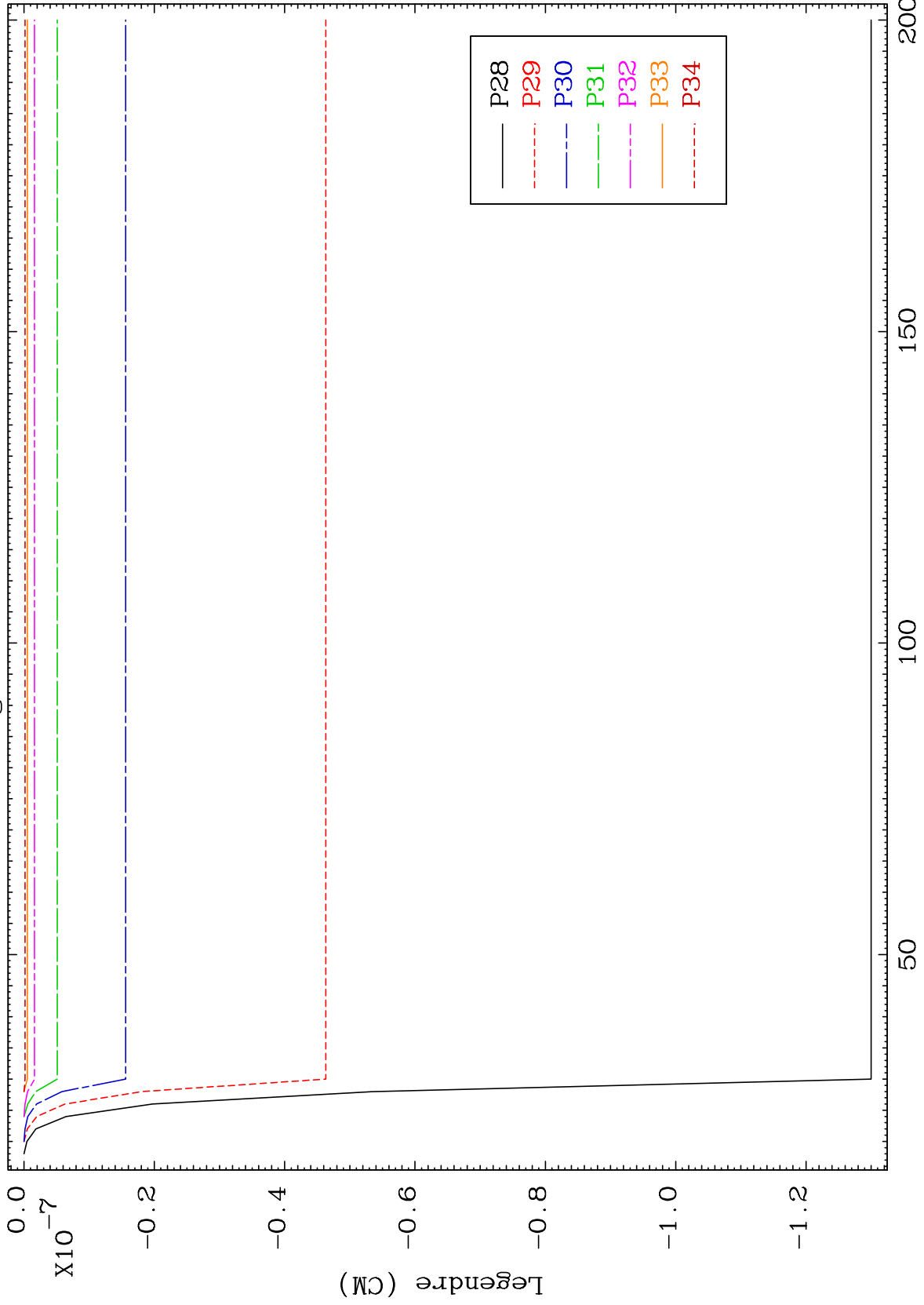
37-Rb-82



MAT 3716

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

37-Rb-82



37-Rb-82

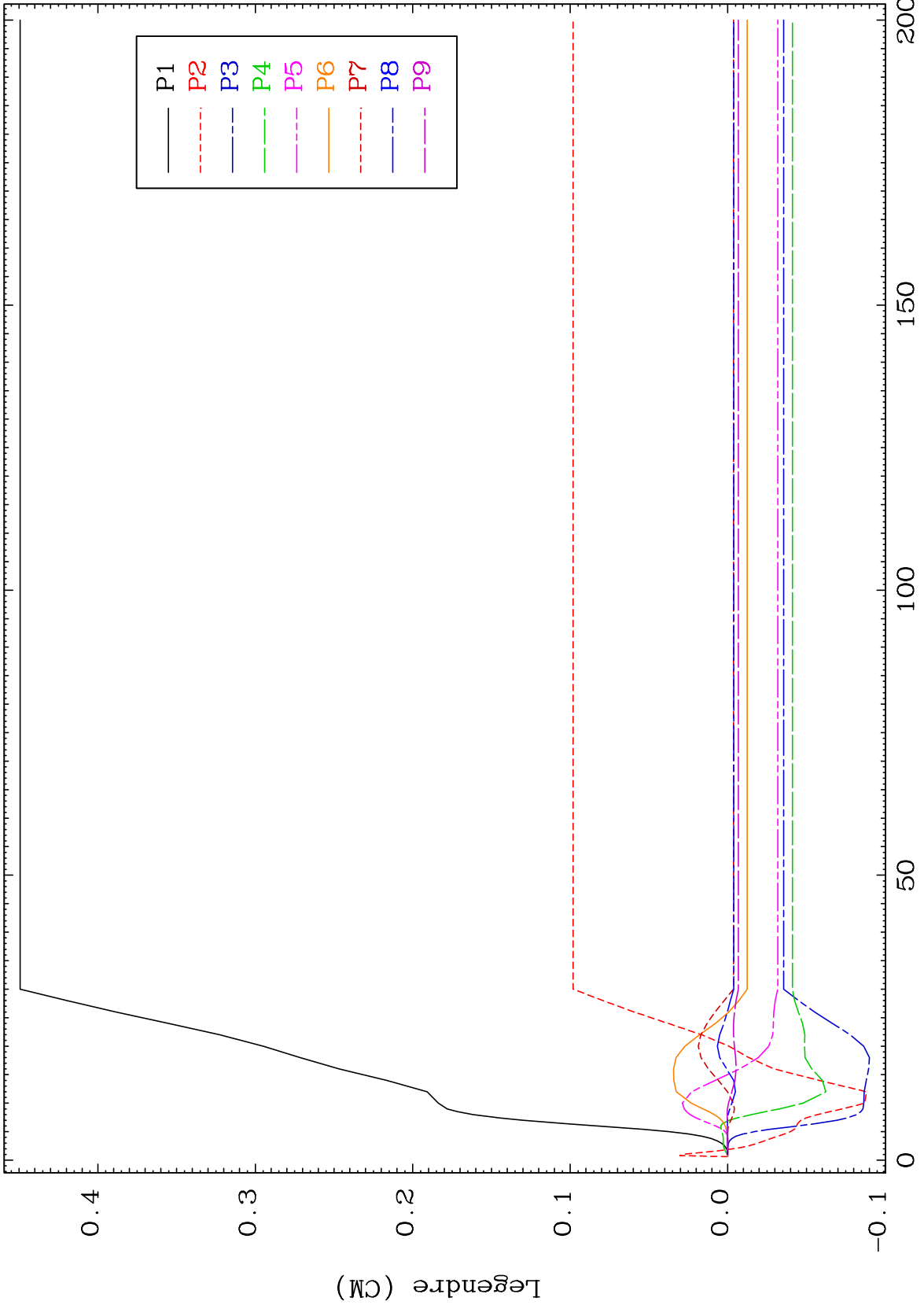
Incident Energy (MeV)

80

MAT 3716

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

37-Rb-82



81

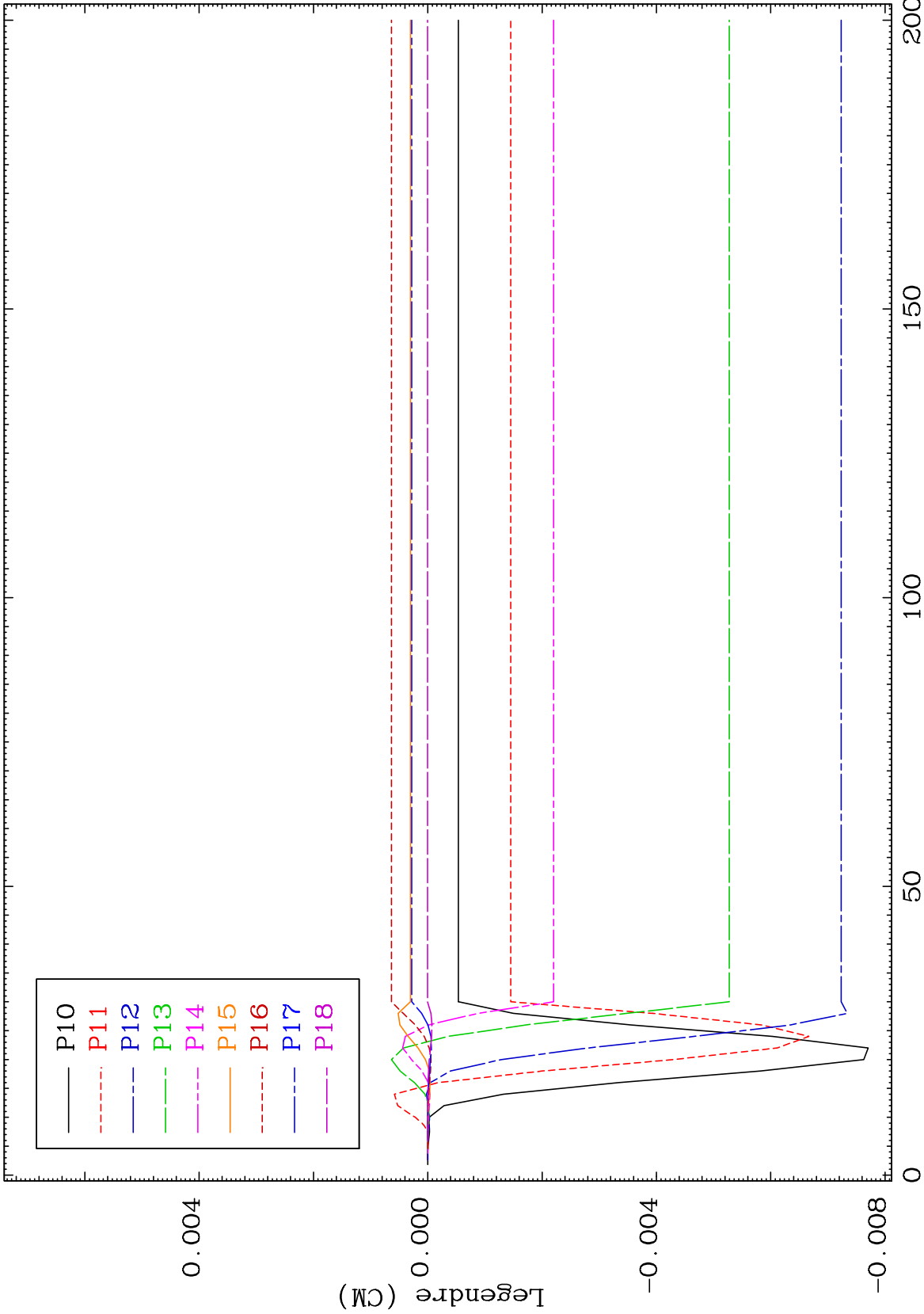
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



82

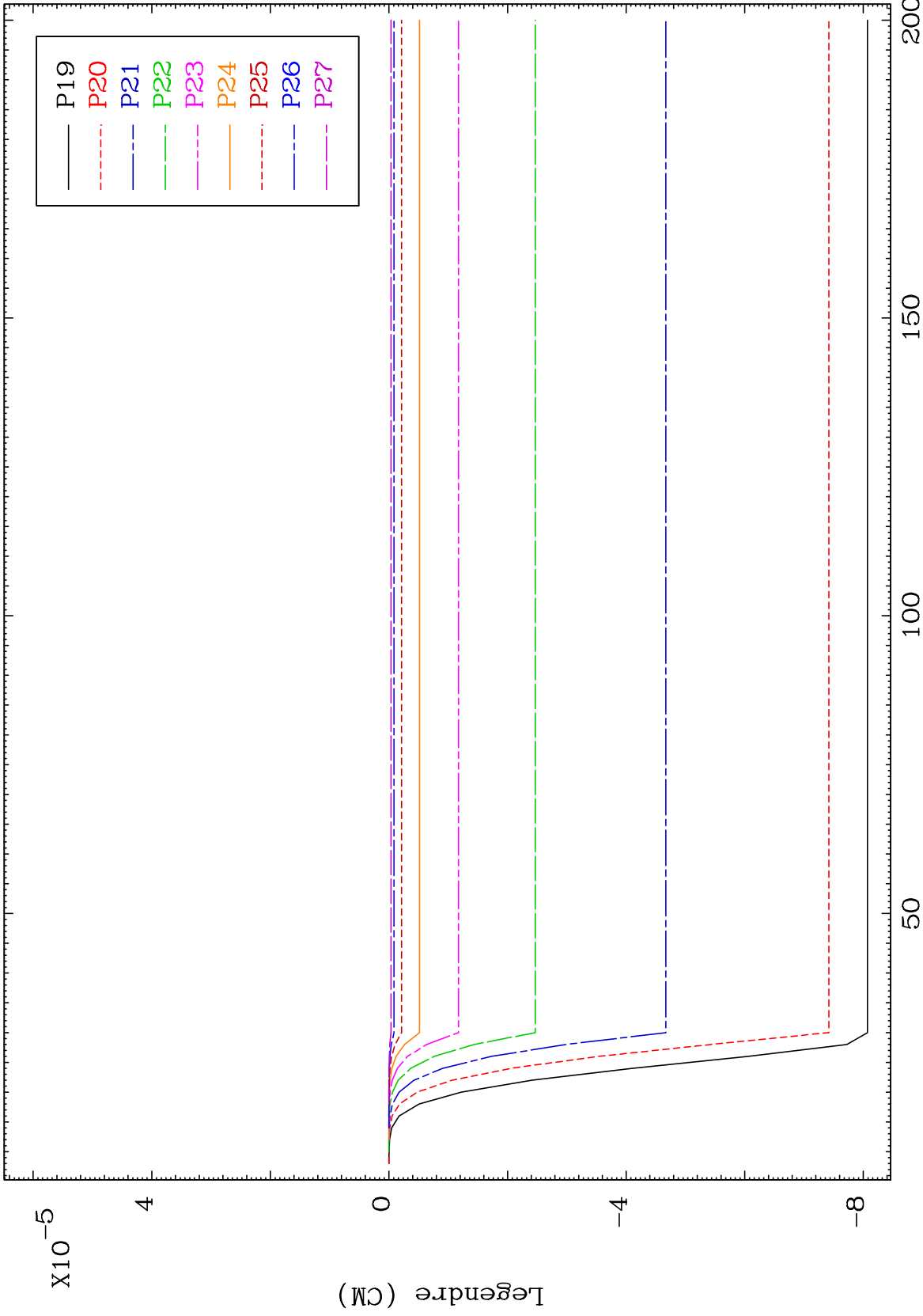
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



83

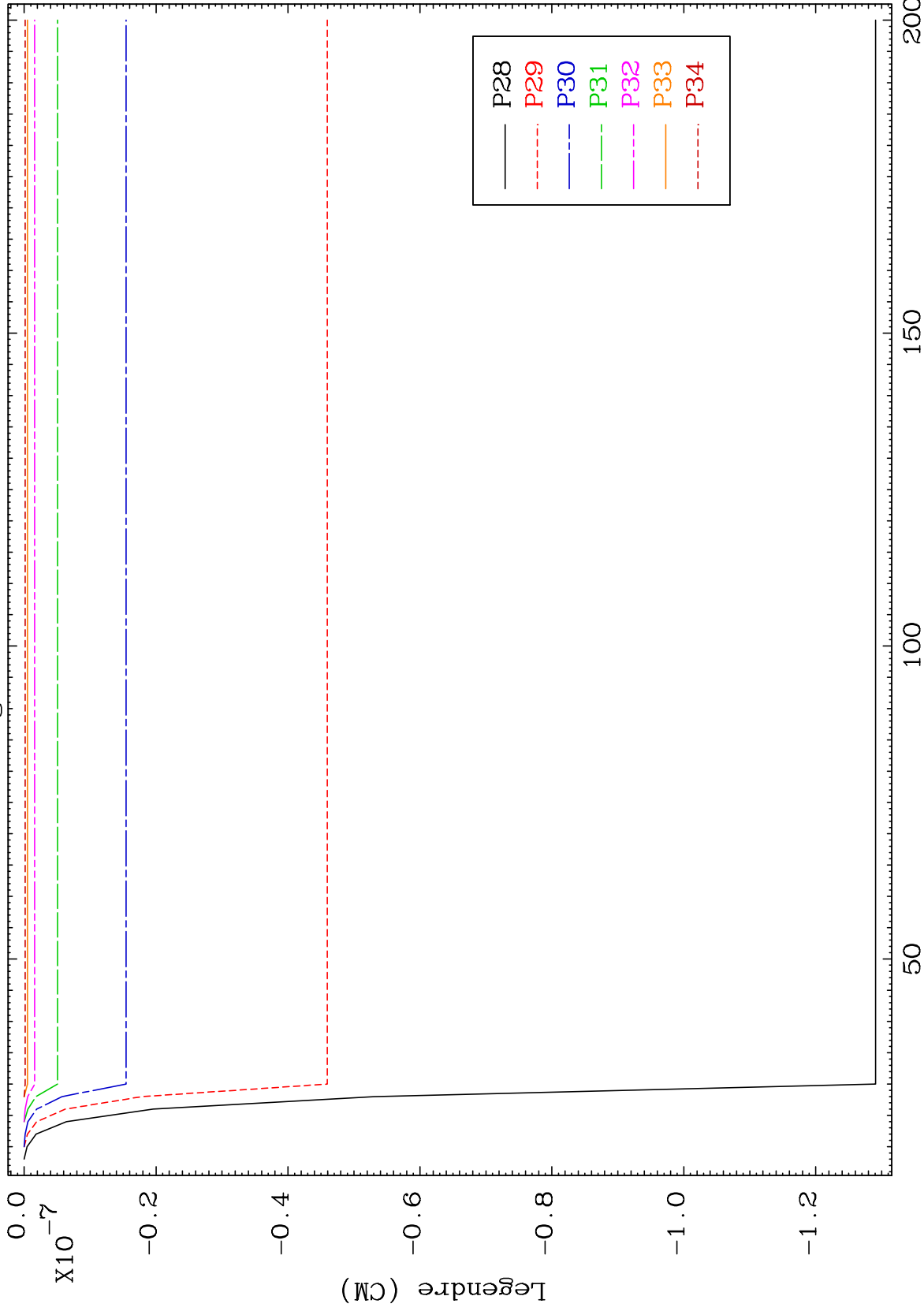
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



84

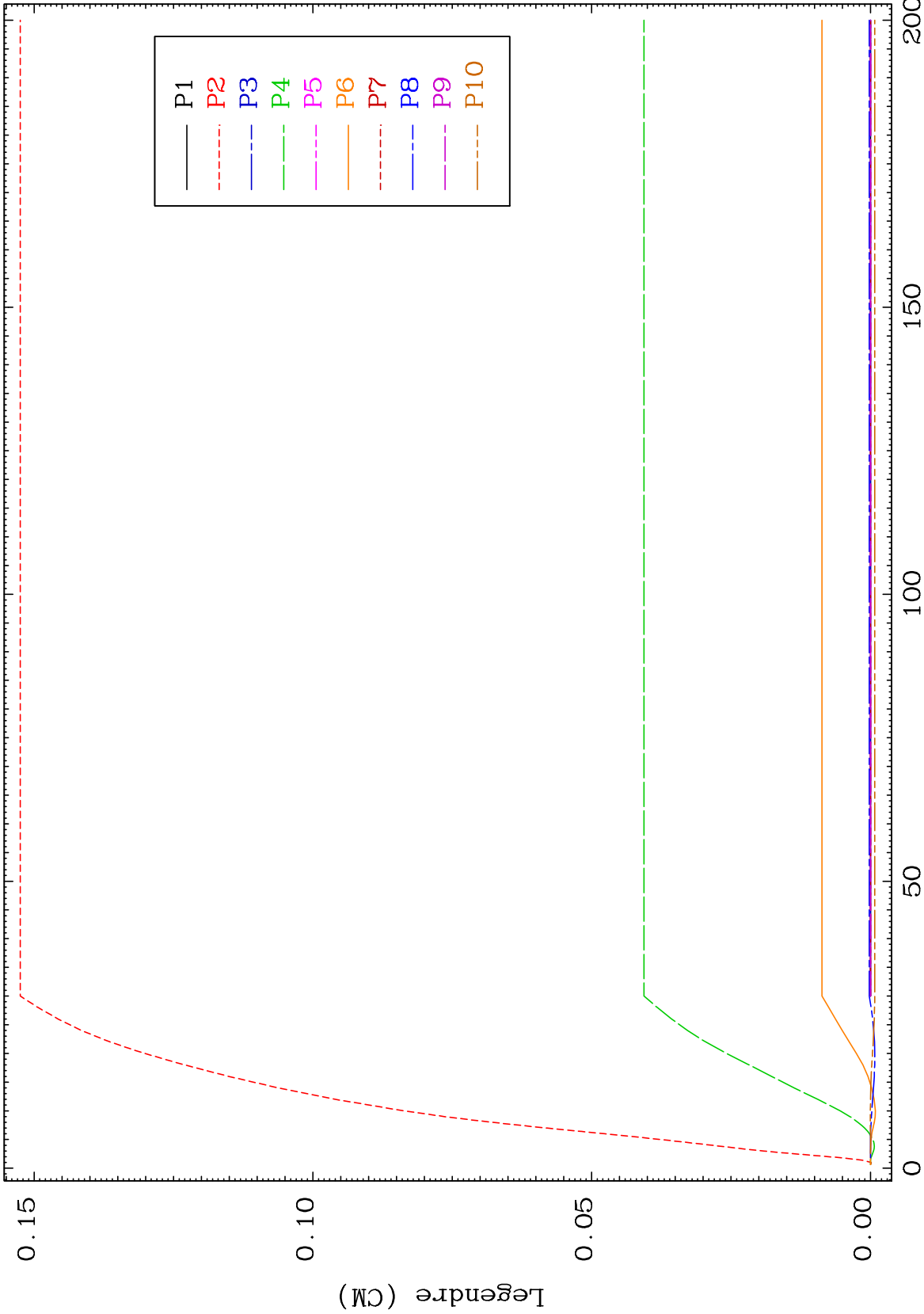
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



85

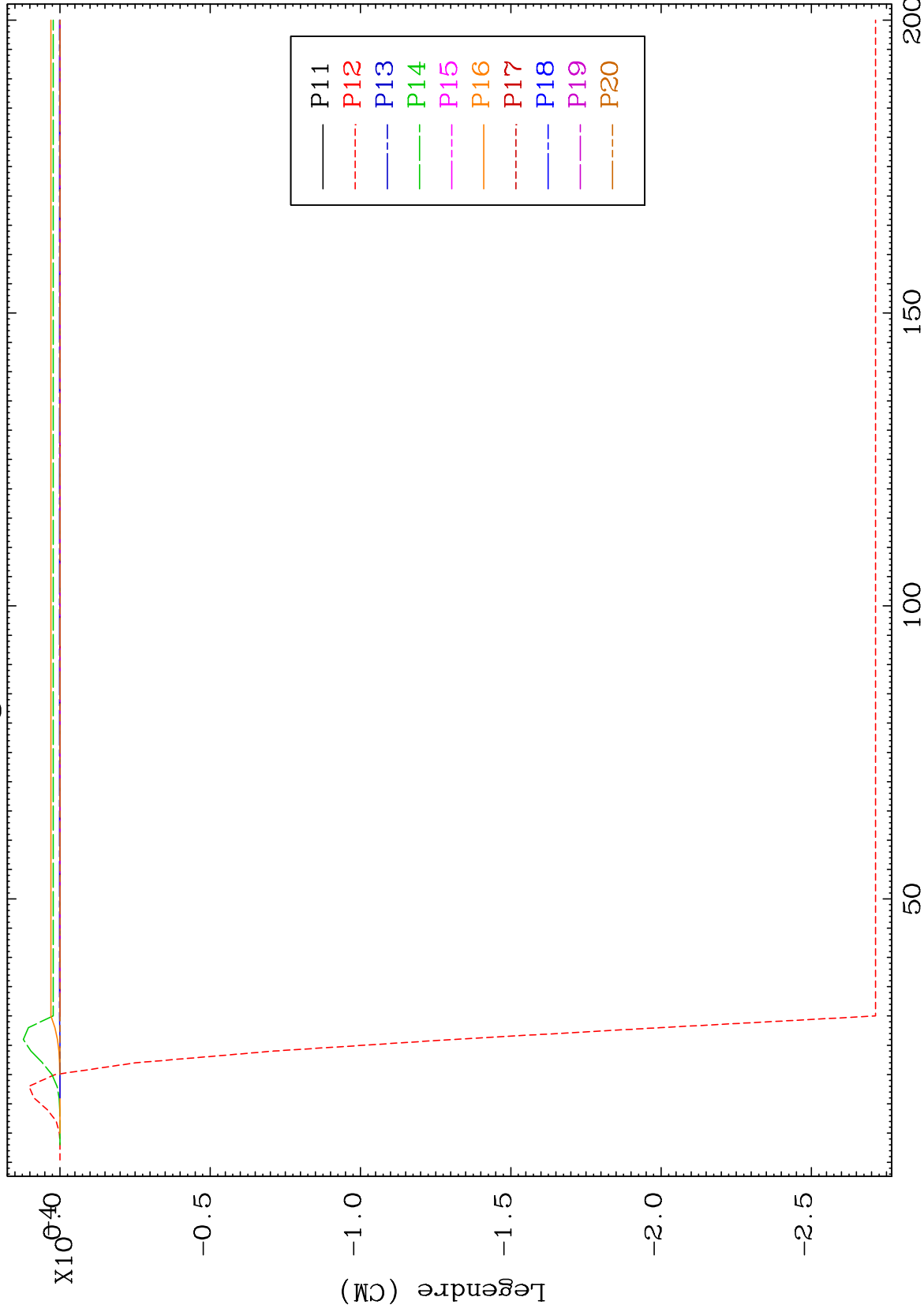
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



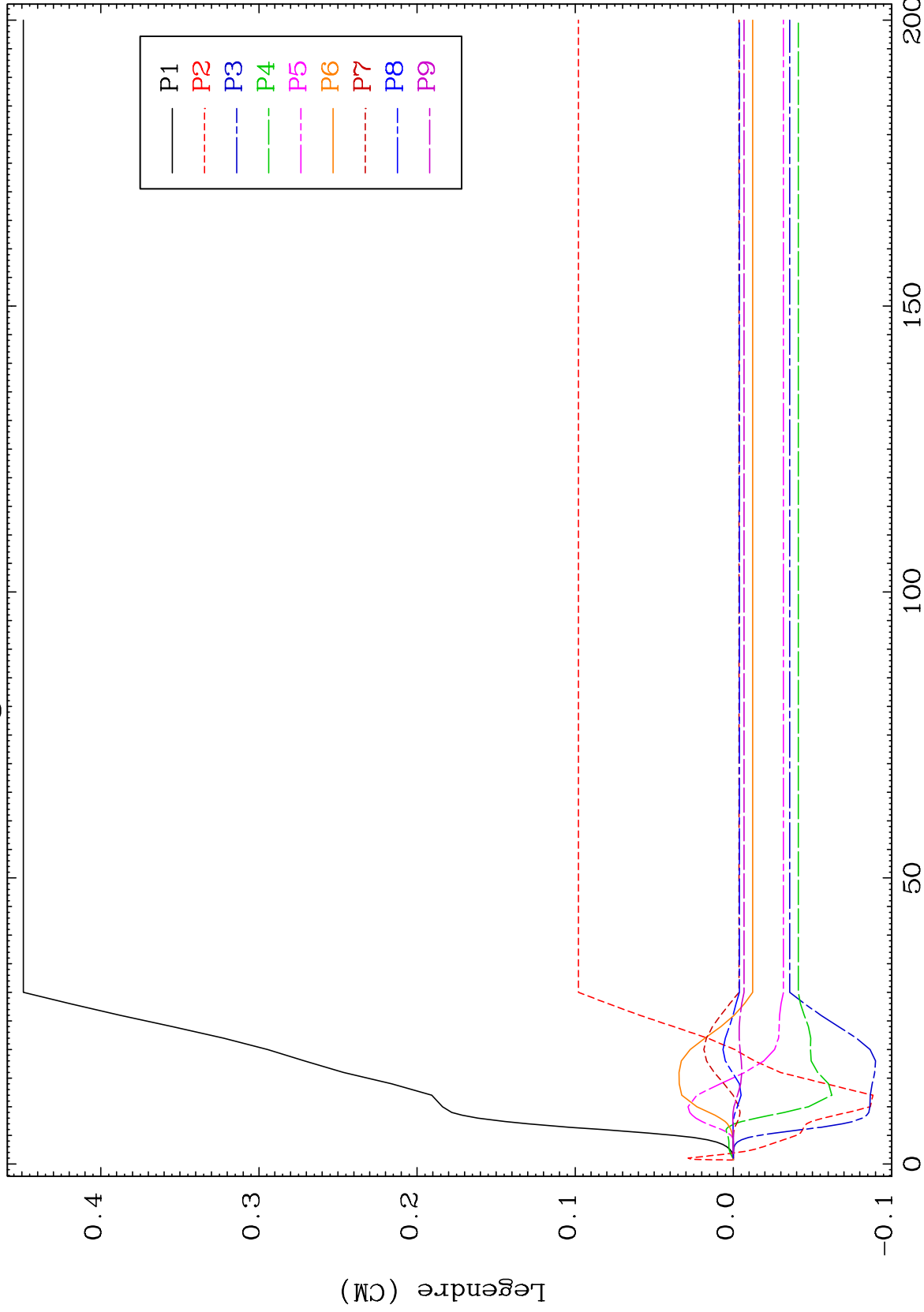
86

37-Rb-82

MAT 3716

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

37-Rb-82



87

Incident Energy (MeV)

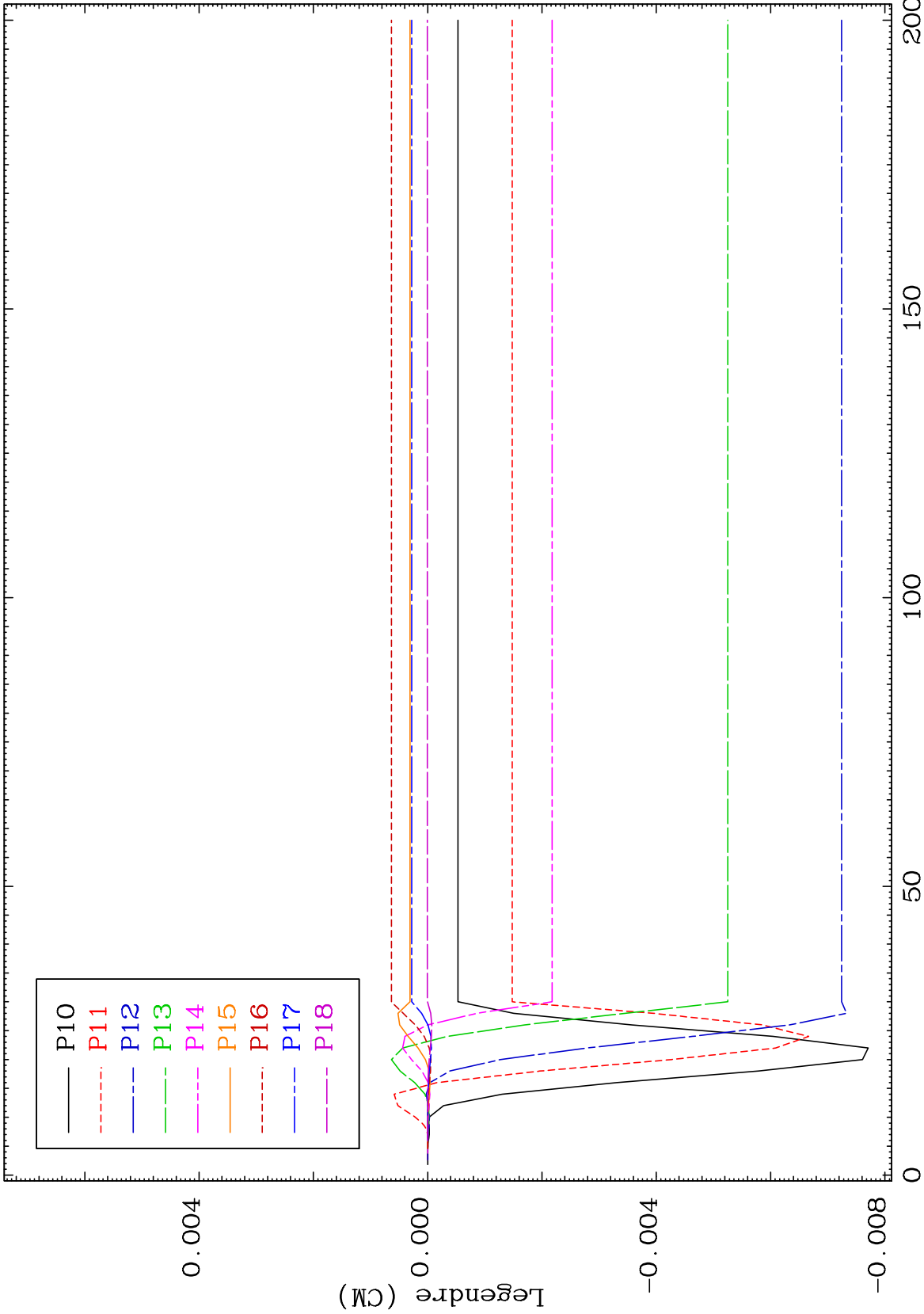
37-Rb-82



MAT 3716

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

37-Rb-82



88

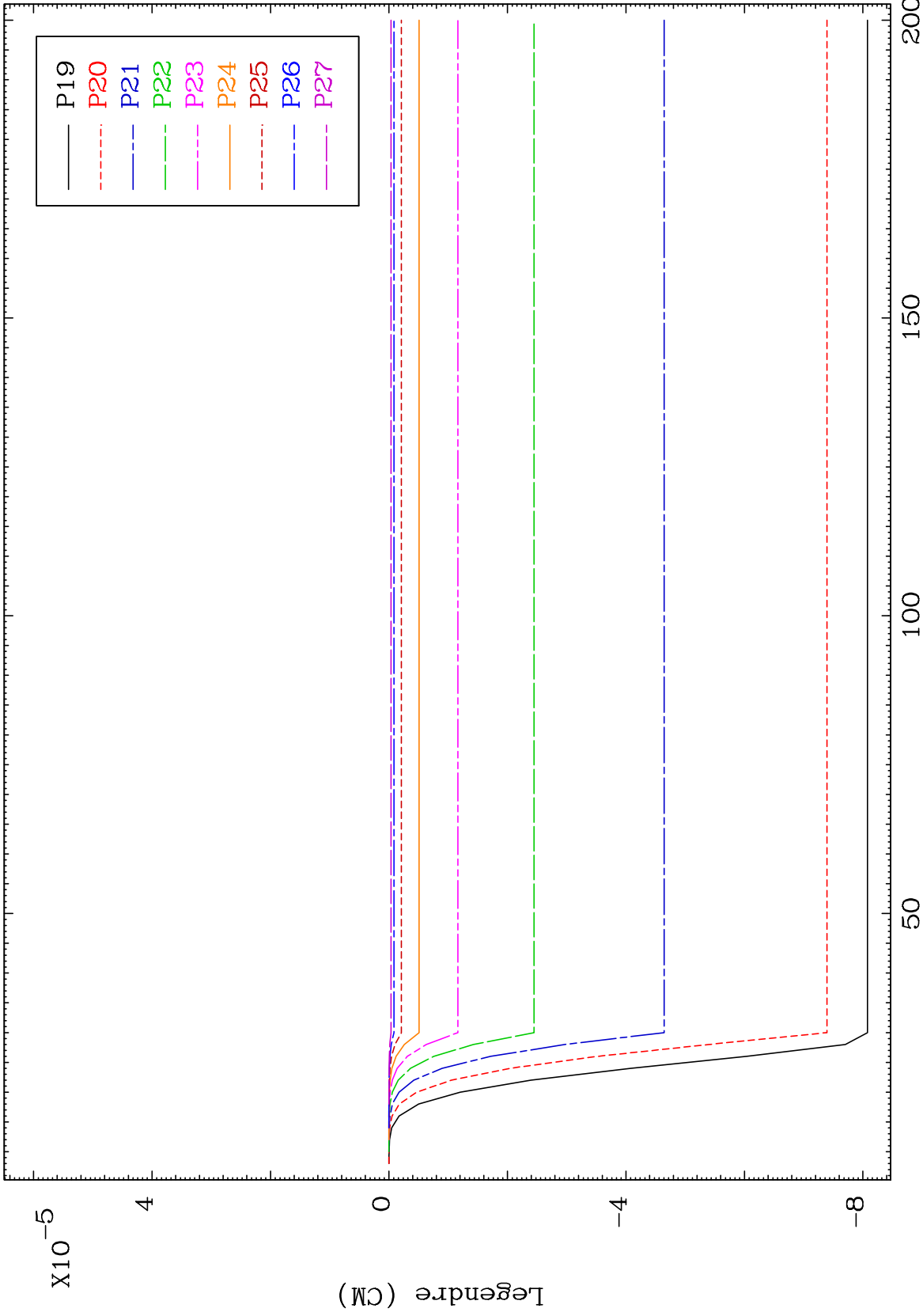
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



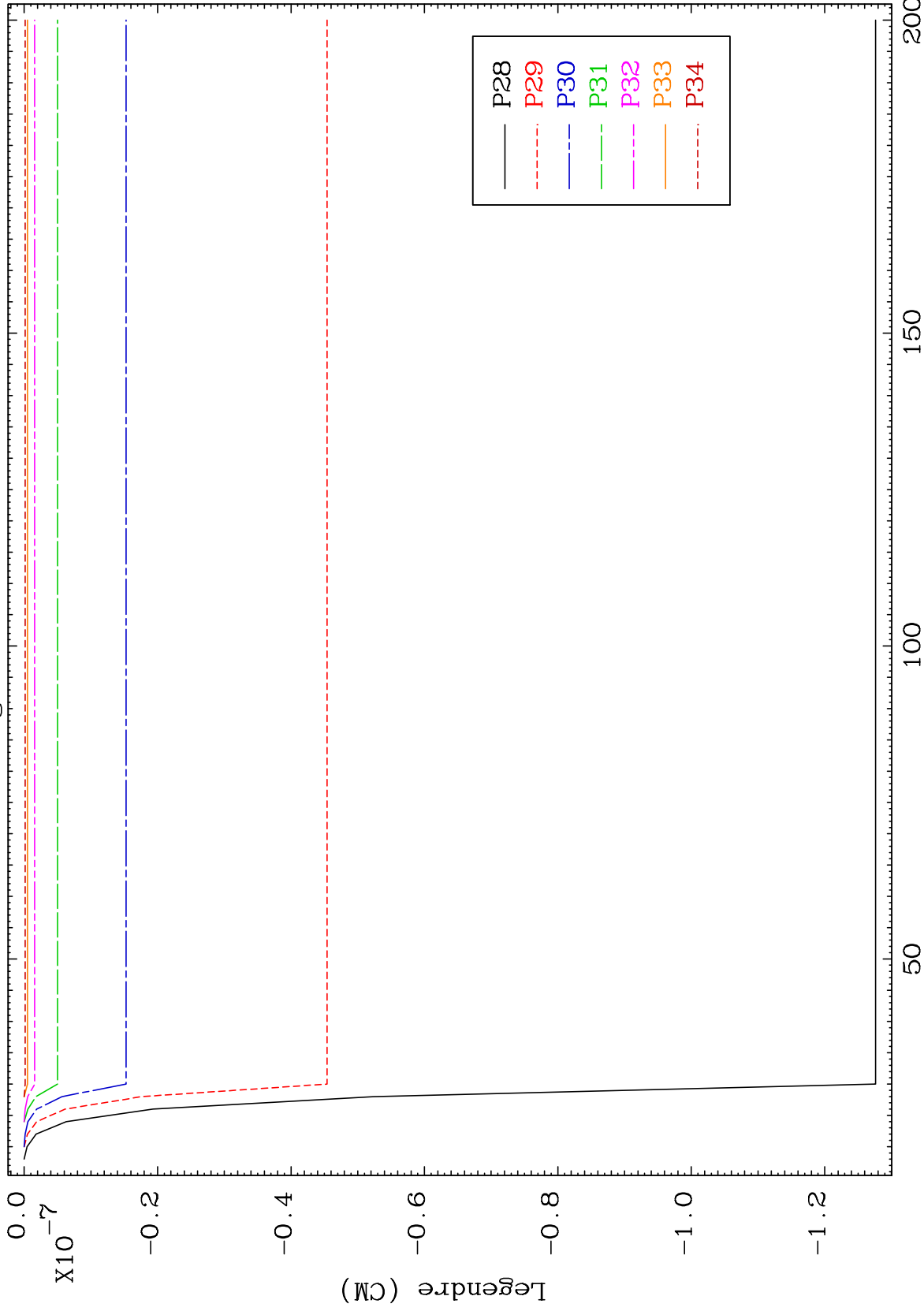
89

37-Rb-82

MAT 3716

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

37-Rb-82



37-Rb-82

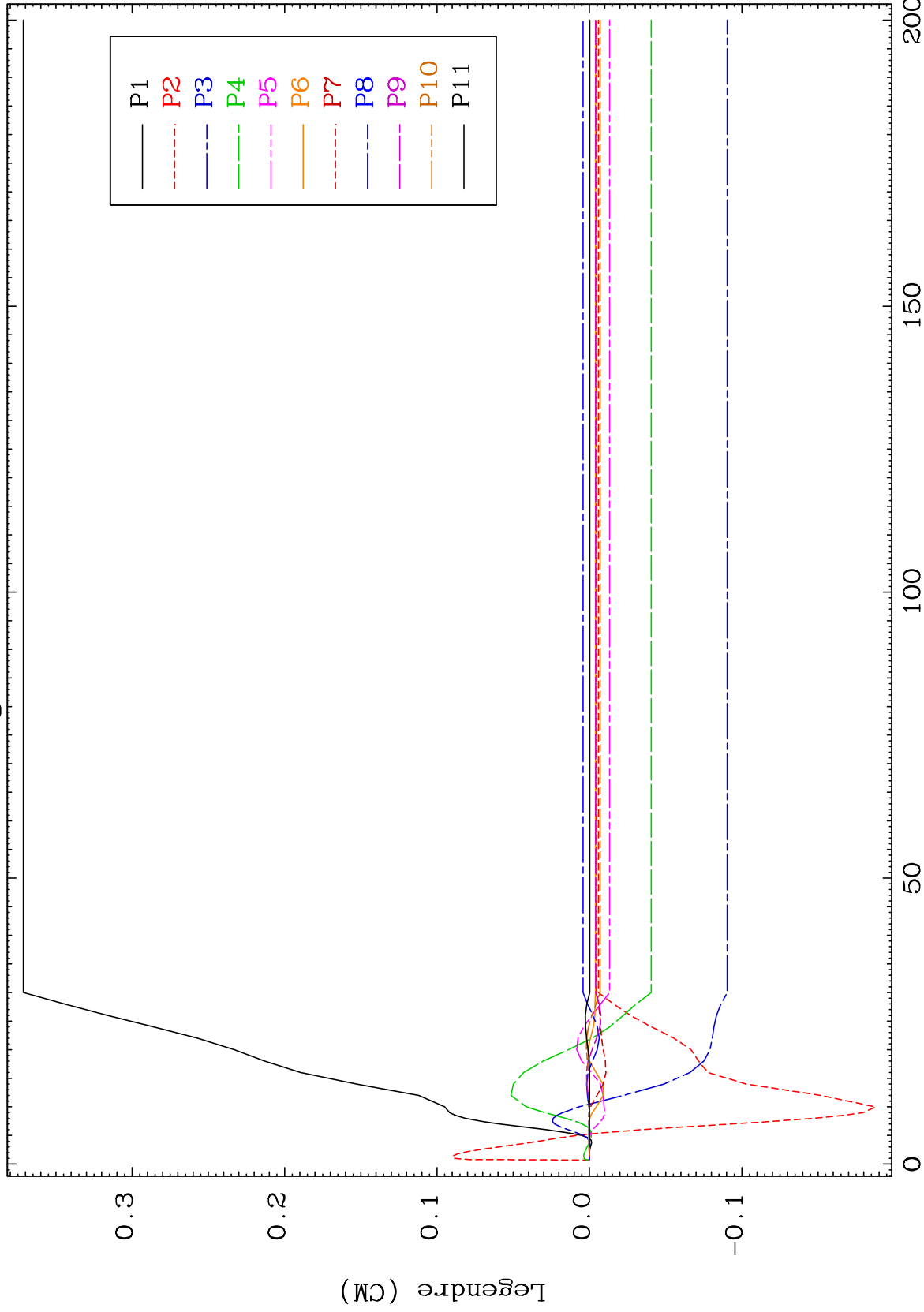
Incident Energy (MeV)

90

MAT 3716

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

37-Rb-82



91

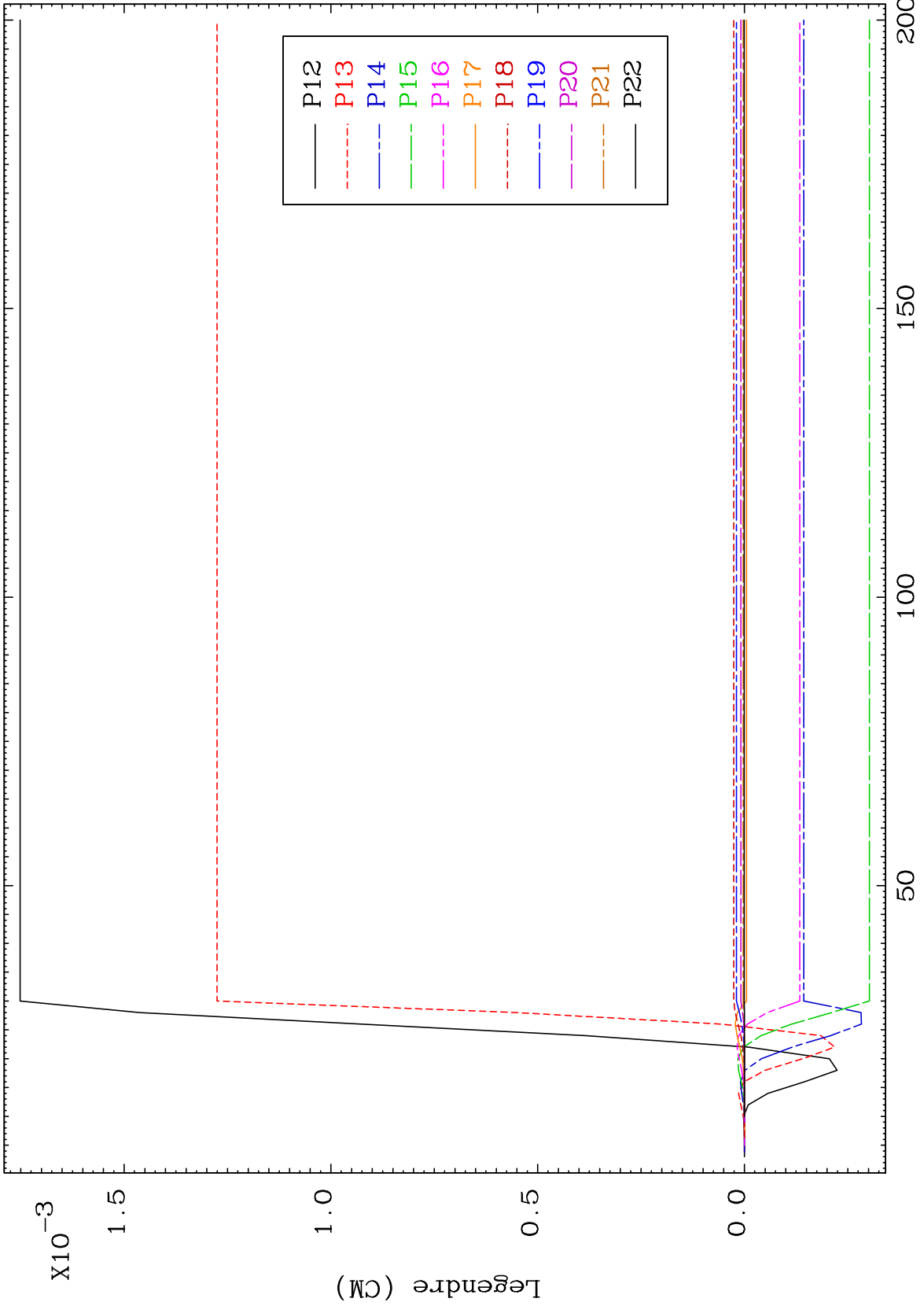
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



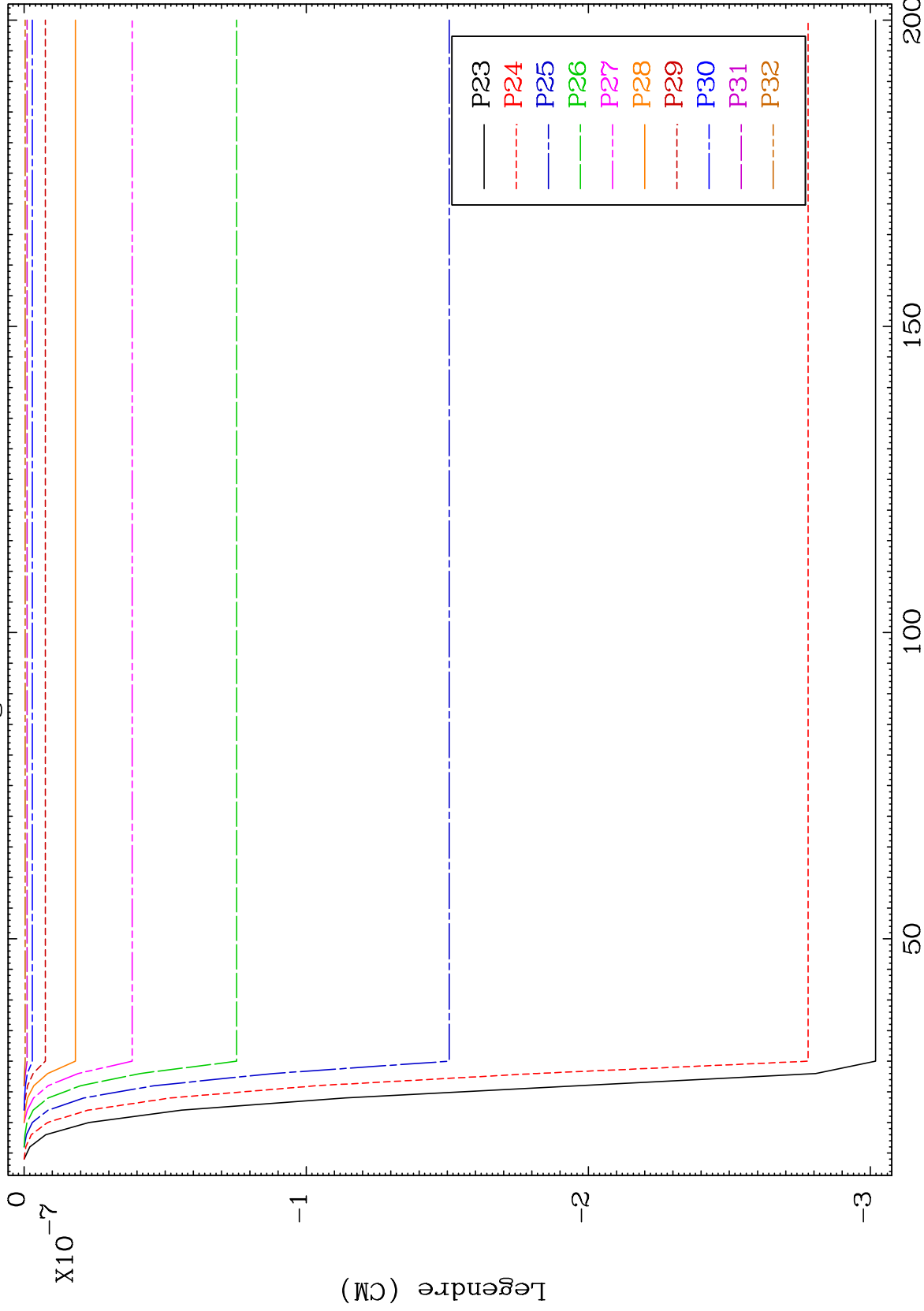
92

37-Rb-82

MAT 3716

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

37-Rb-82



93

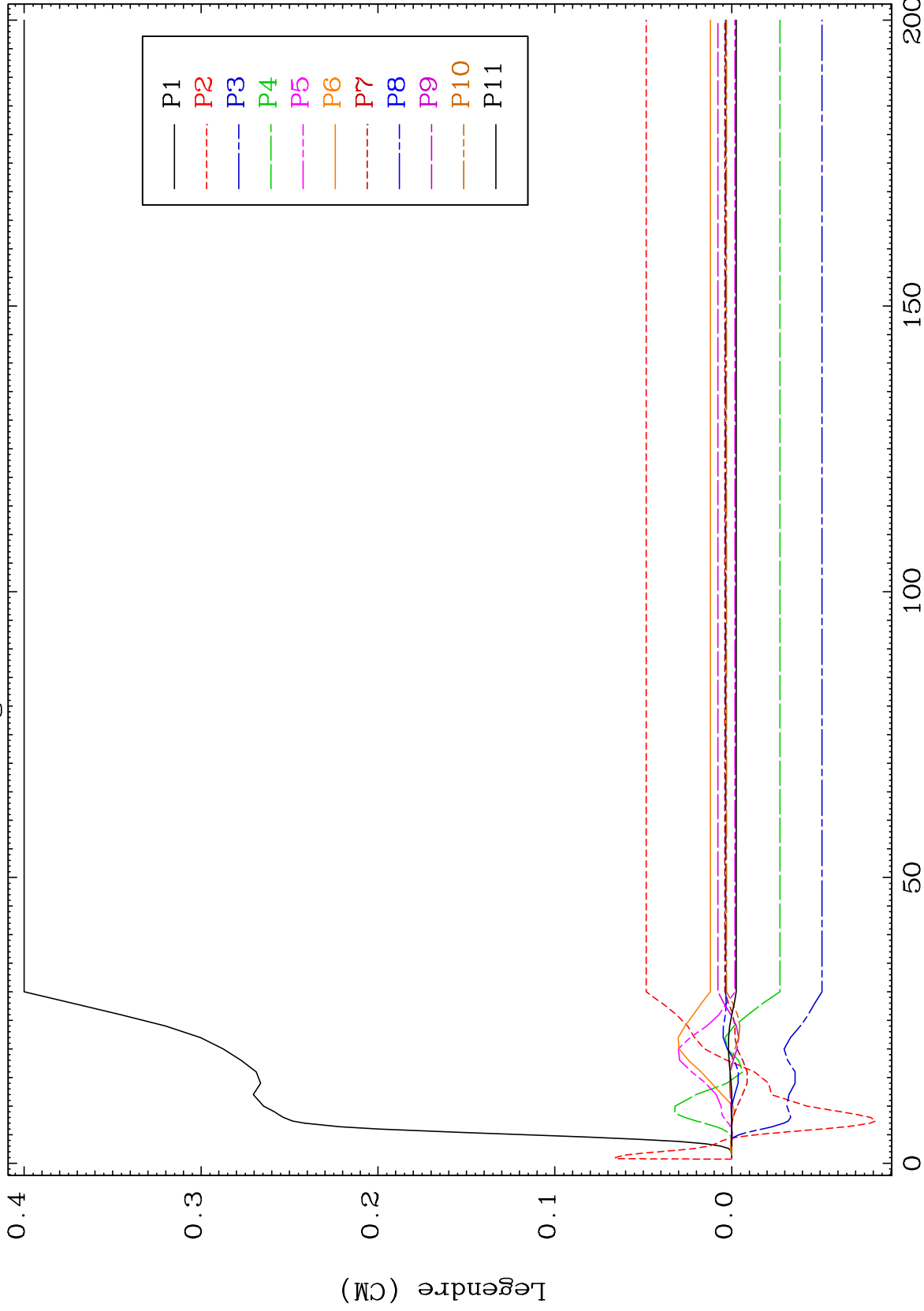
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



94

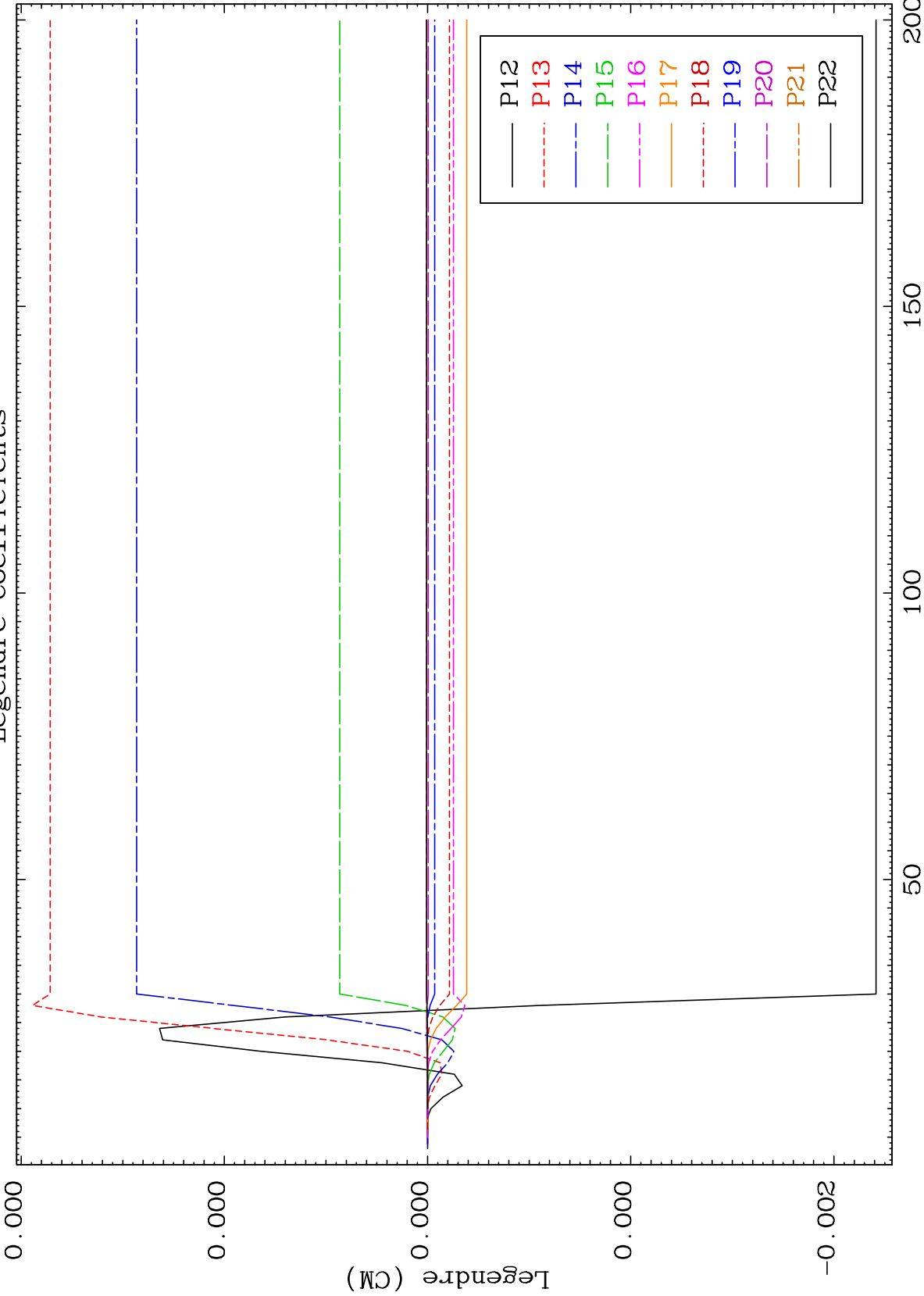
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



95

Incident Energy (MeV)

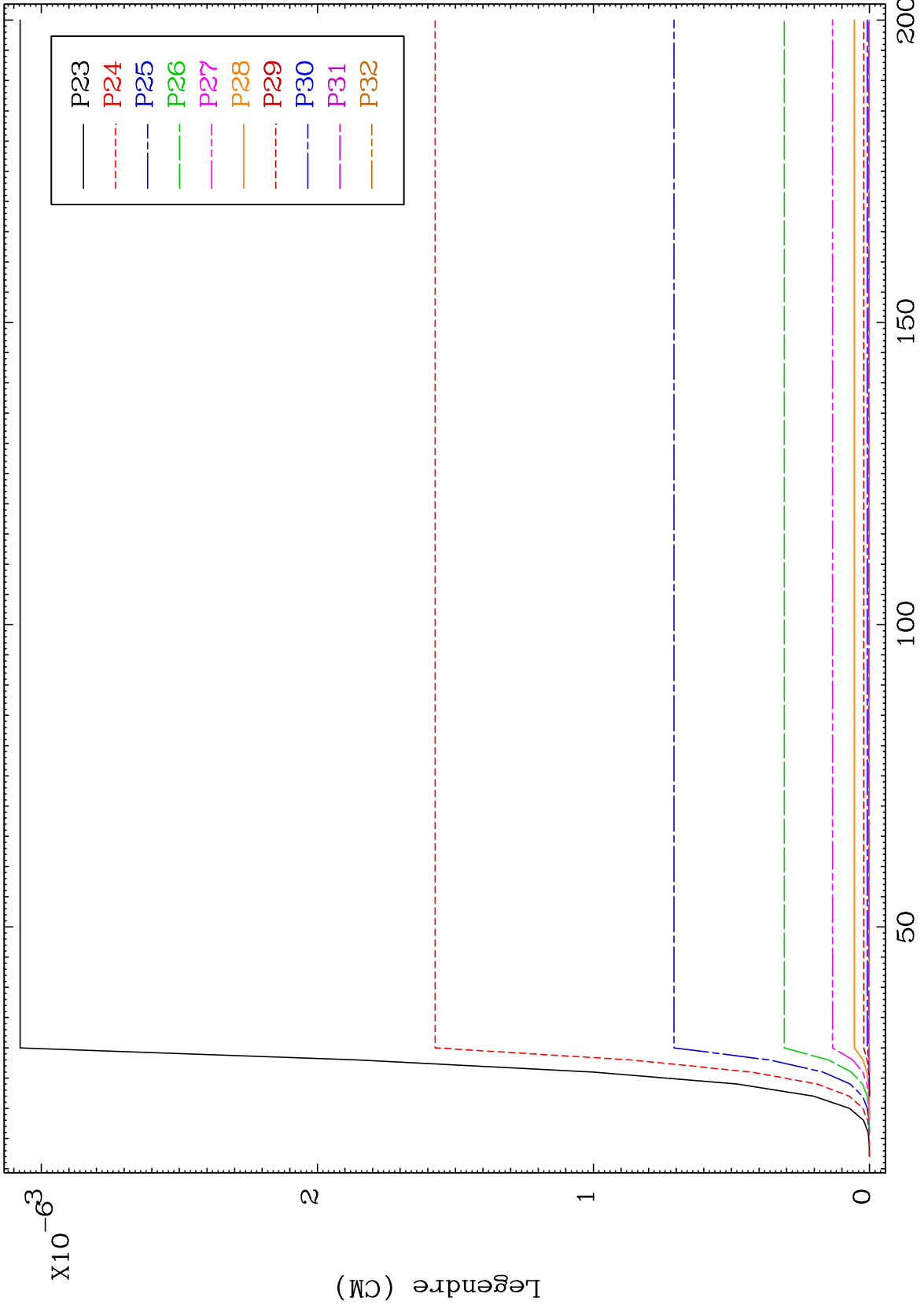
37-Rb-82



MAT 3716

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

37-Rb-82



96

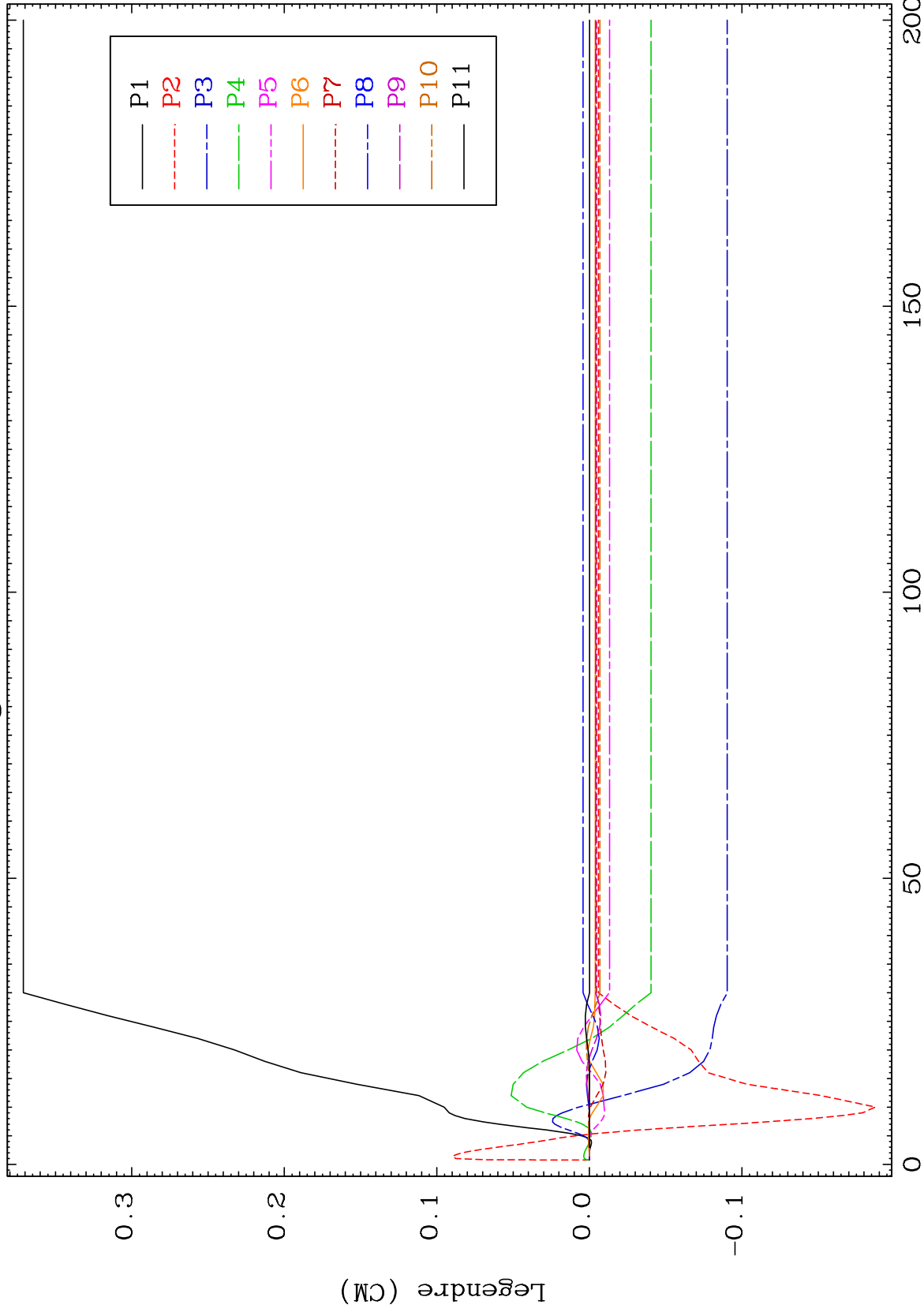
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

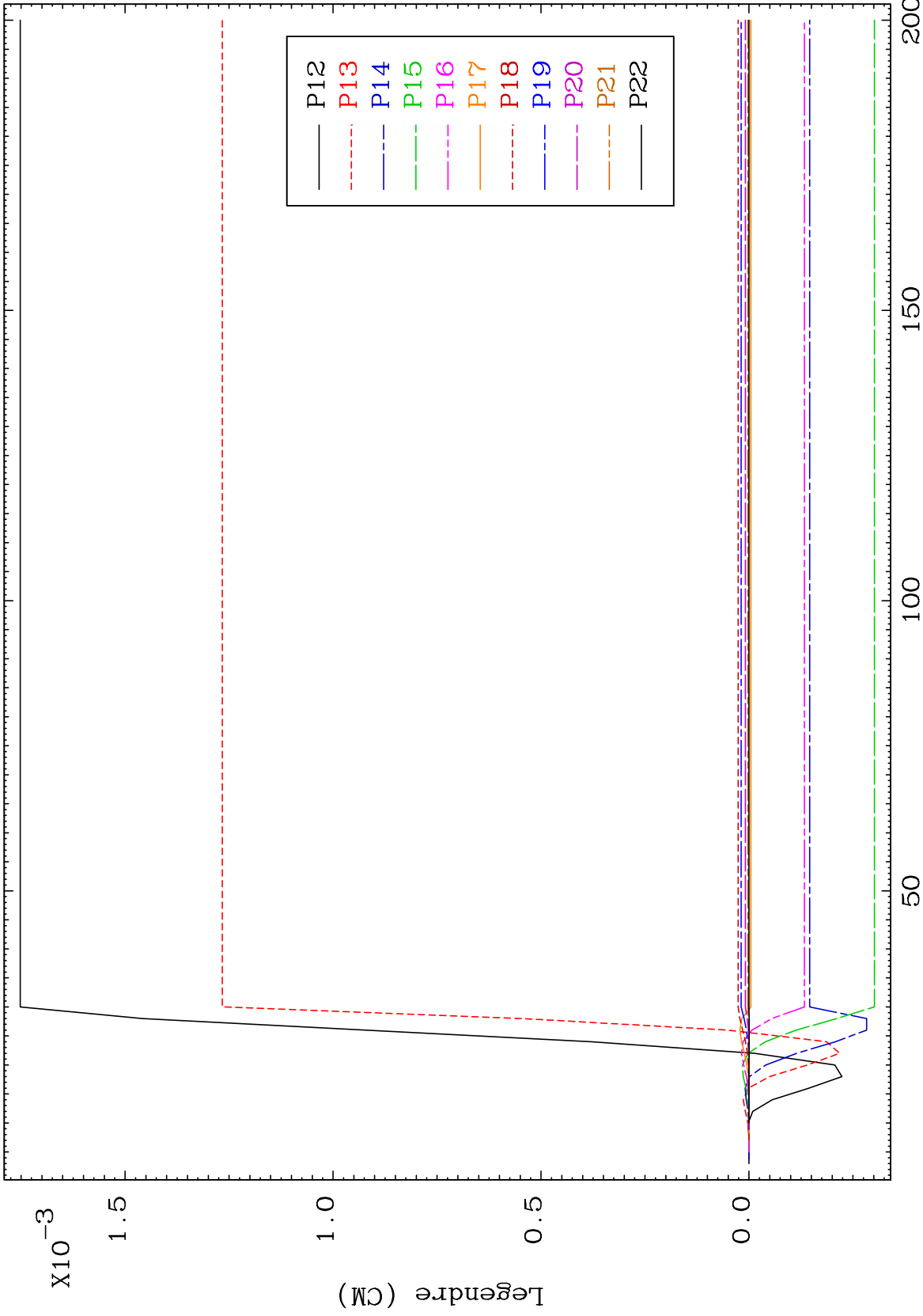
37-Rb-82

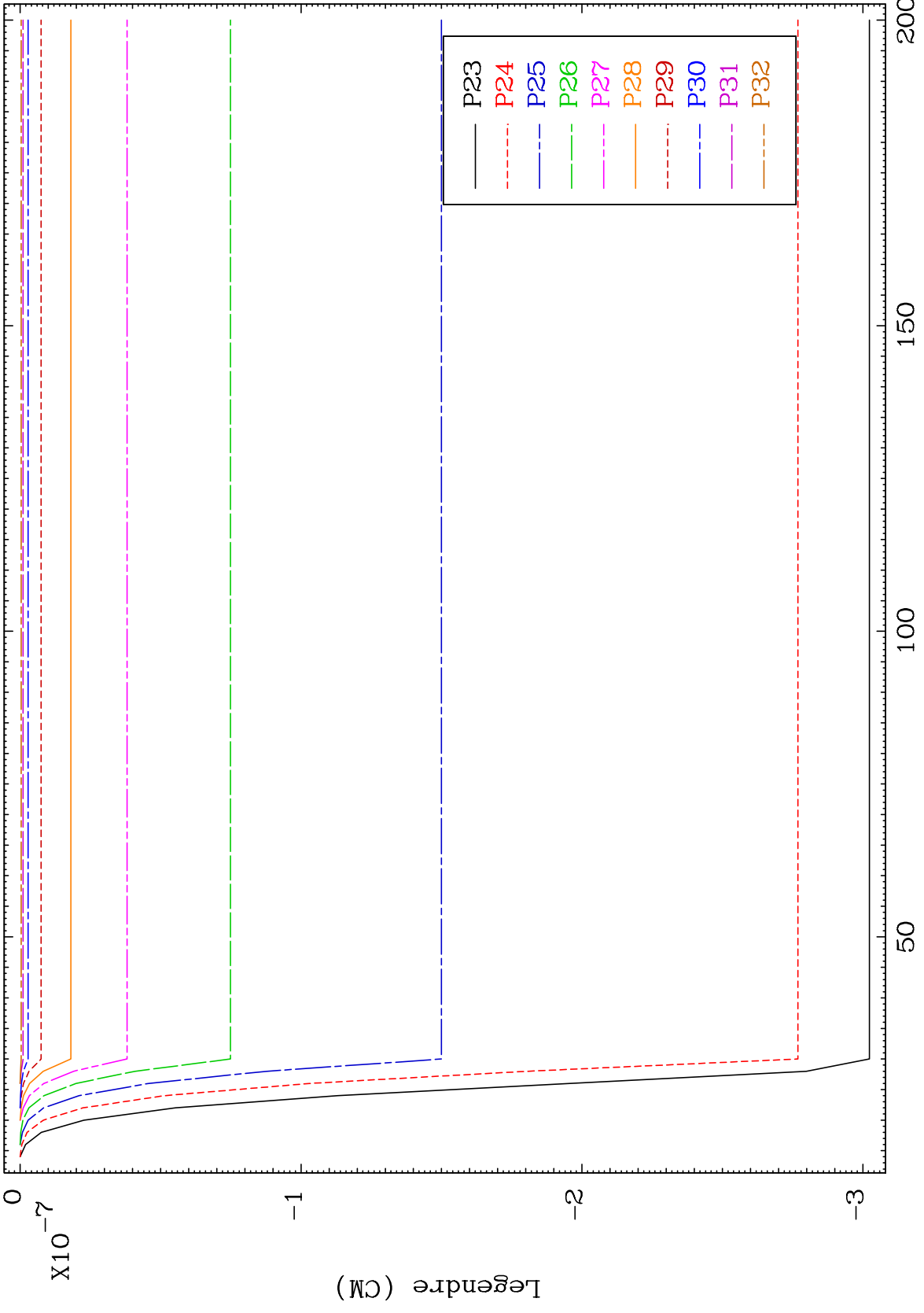


97

Incident Energy (MeV)

37-Rb-82

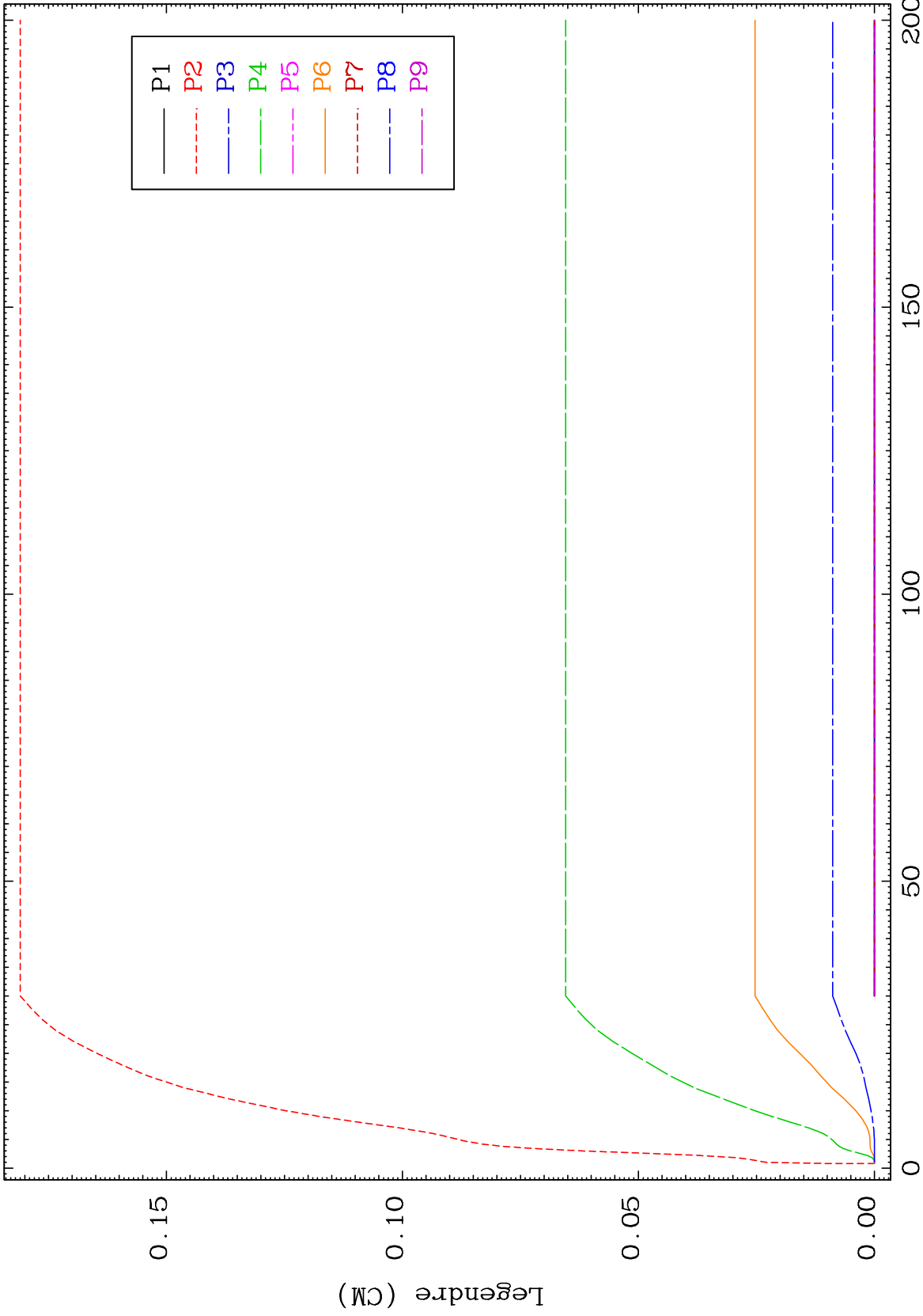




MAT 3716

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

37-Rb-82

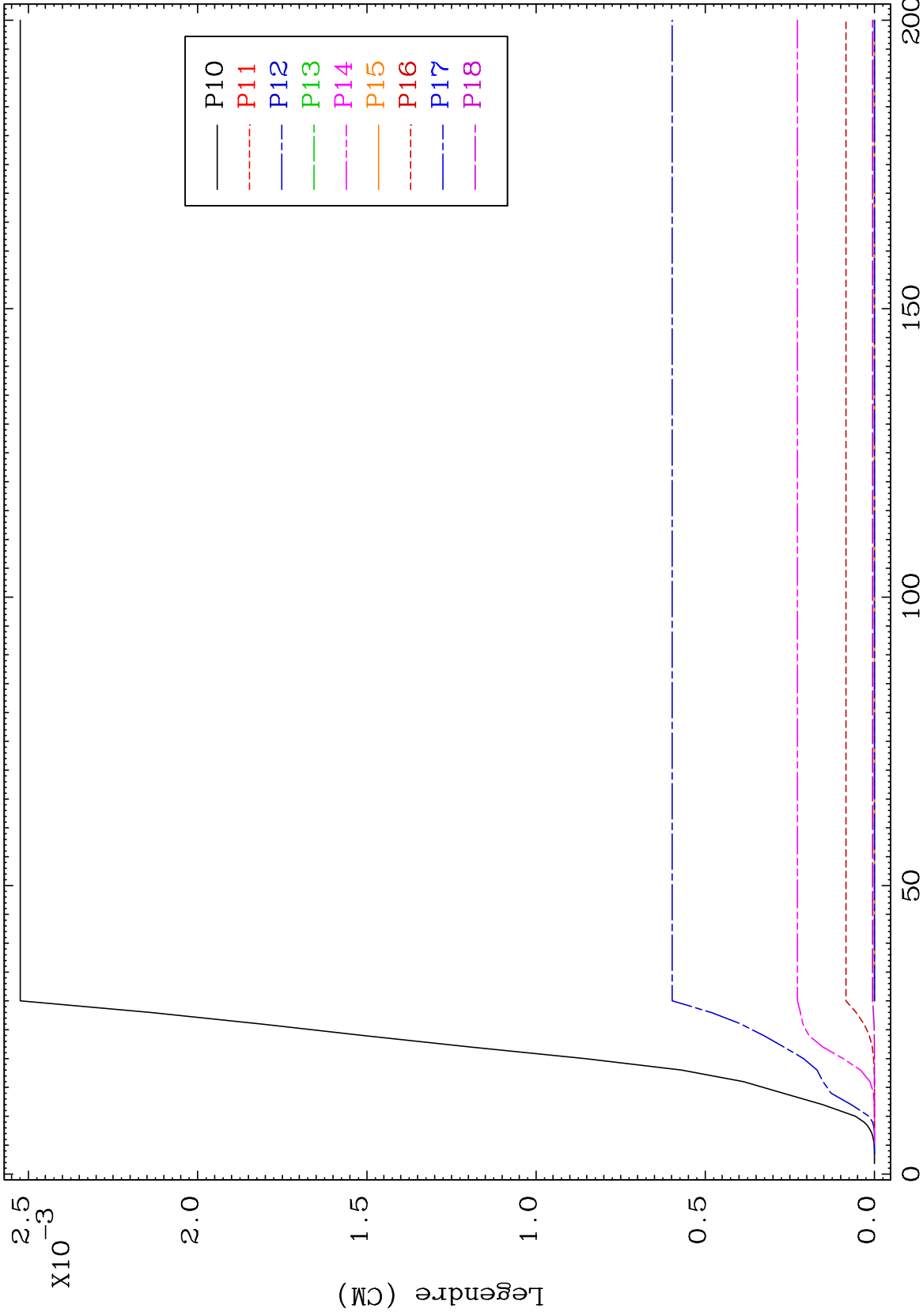


37-Rb-82

MAT 3716

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

37-Rb-82



101

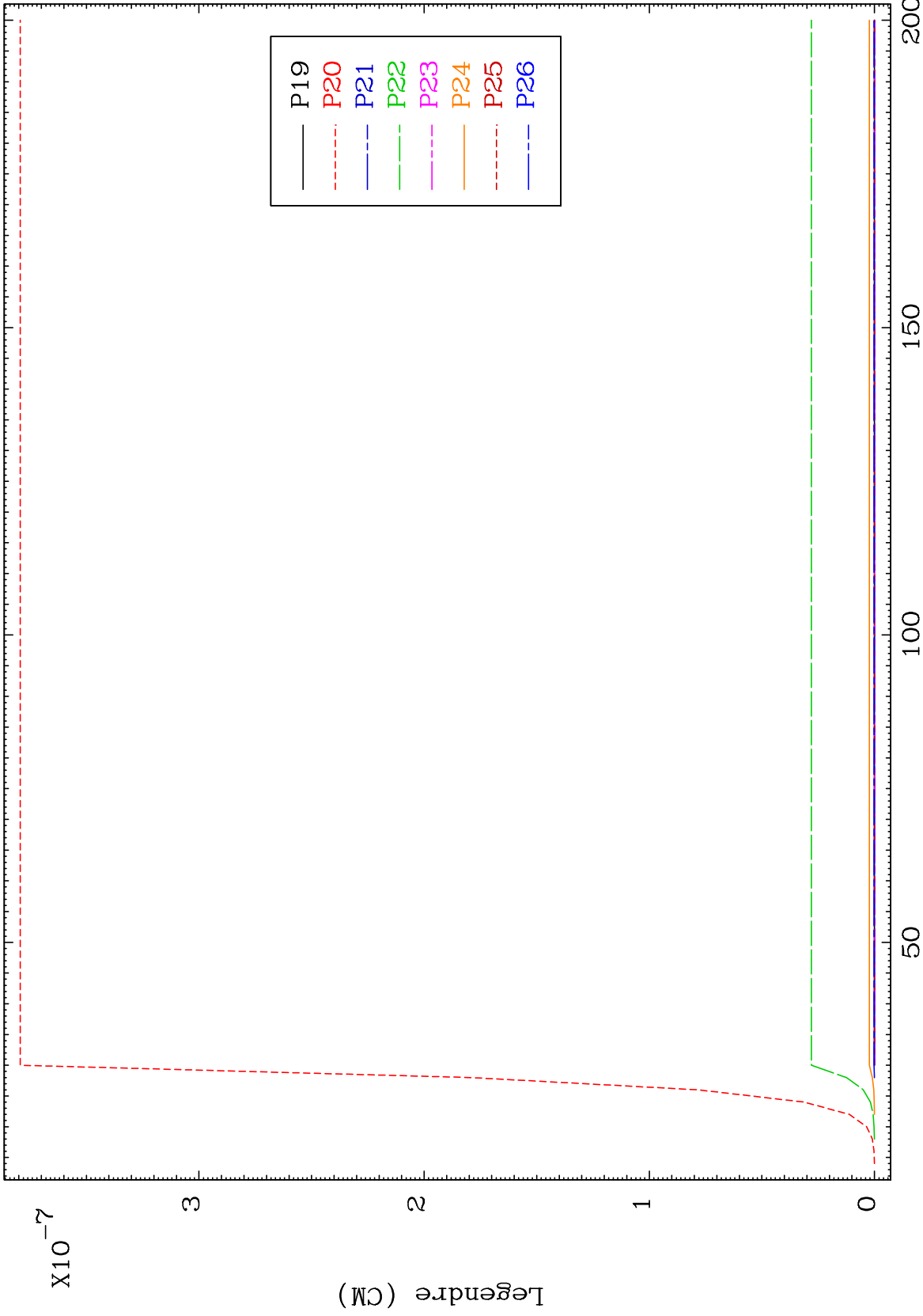
Incident Energy (MeV)

37-Rb-82

MAT 3716

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

37-Rb-82



102

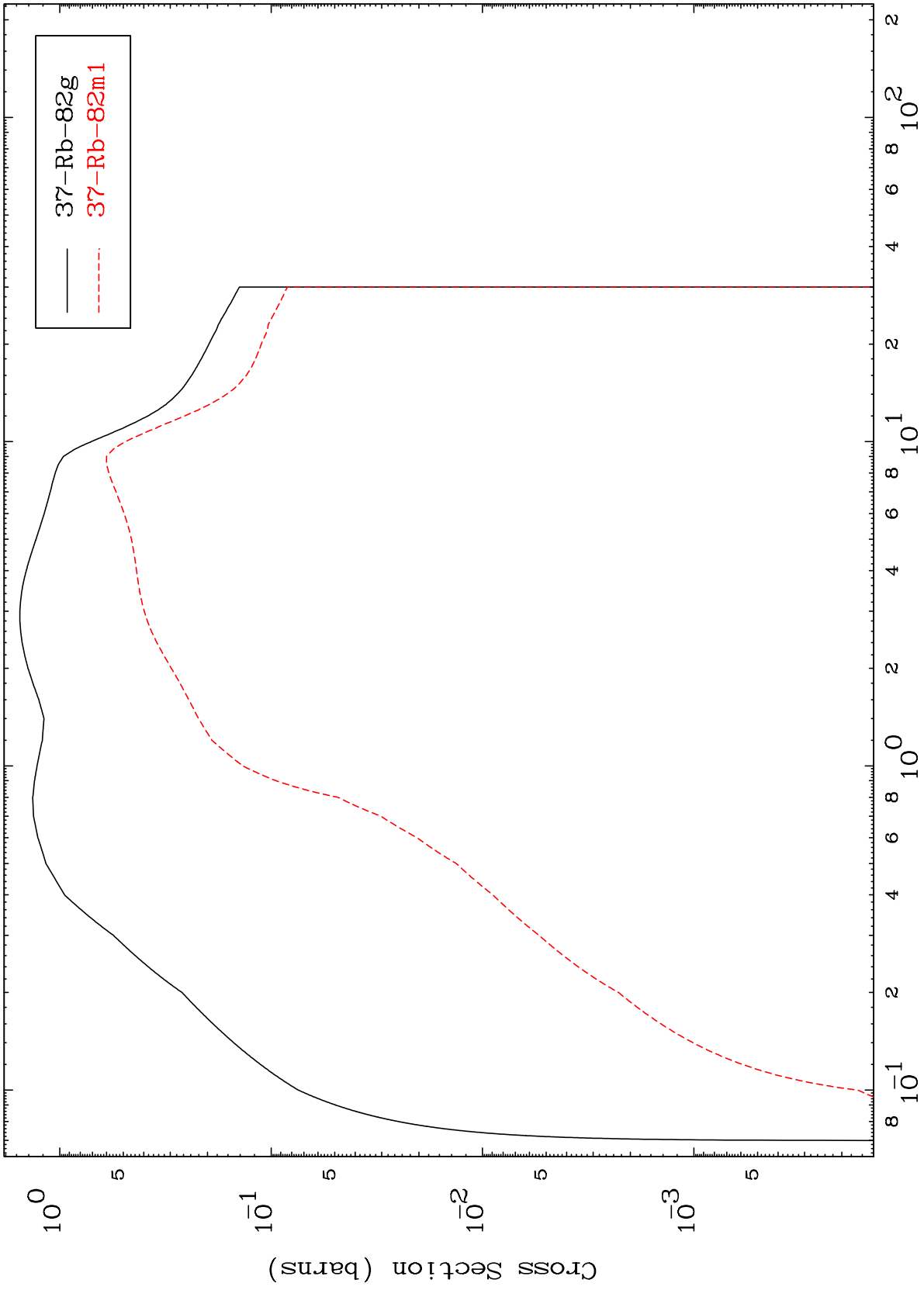
Incident Energy (MeV)

37-Rb-82

MAT 3716

37-Rb-82

### Inelastic Radionuclide Production Cross Section



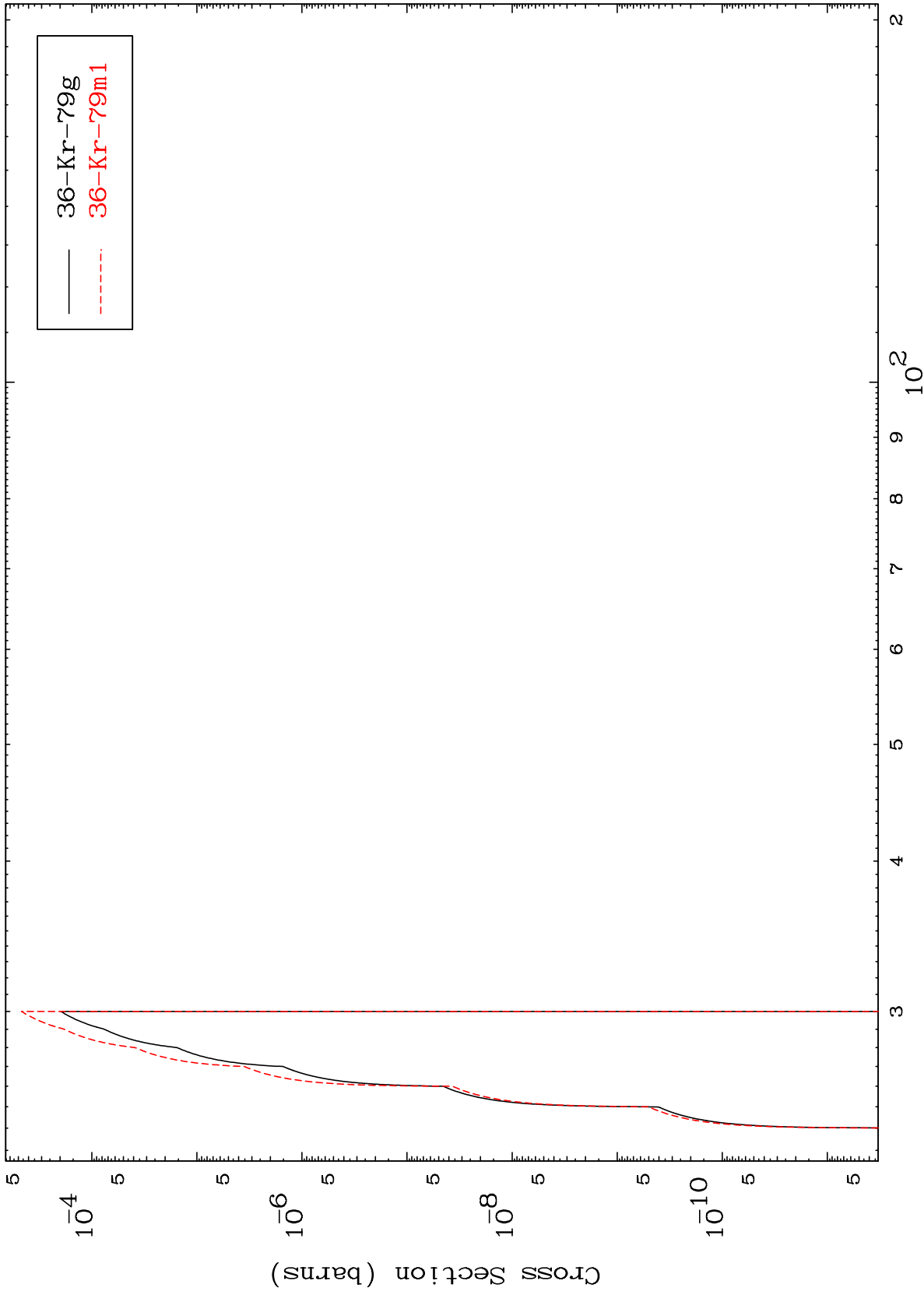
103

Incident Energy (MeV)

37-Rb-82



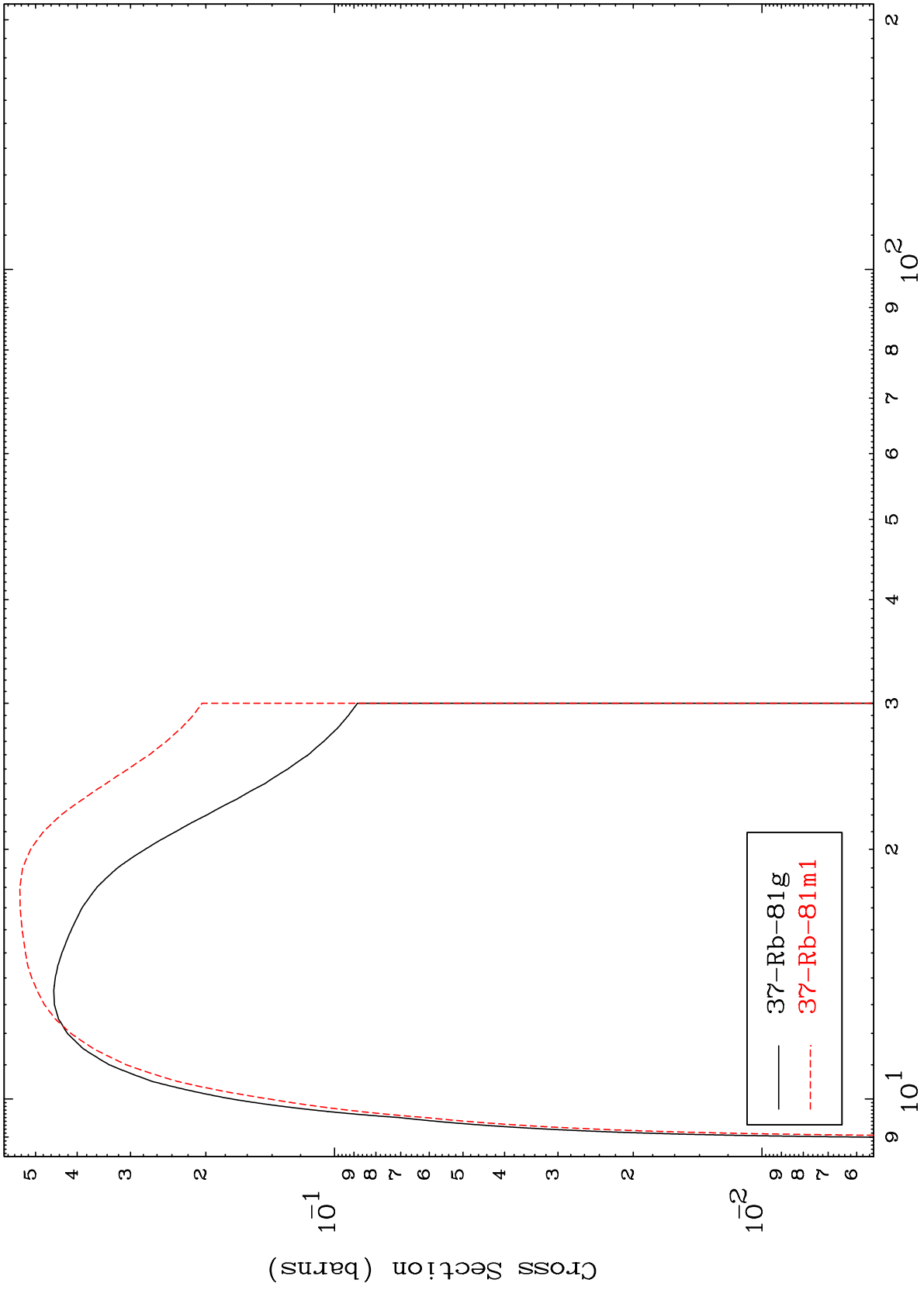
Radionuclide Production Cross Section



MAT 3716

37-Rb-82

(n,2n)  
Radionuclide Production Cross Section



37-Rb-82

Incident Energy (MeV)

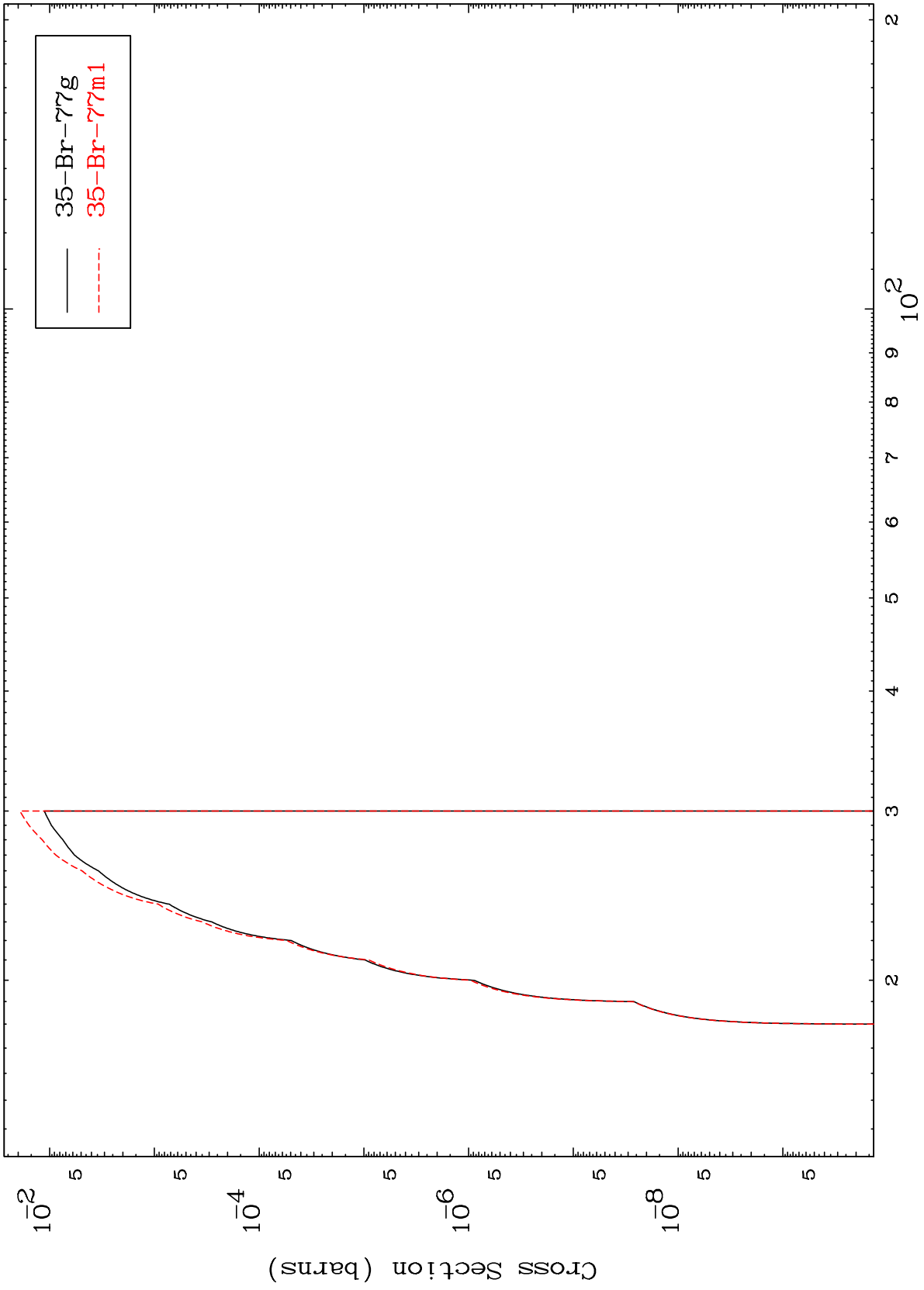
105

MAT 3716

(n,2n)  $\alpha$

37-Rb-82

Radionuclide Production Cross Section



106

Incident Energy (MeV)

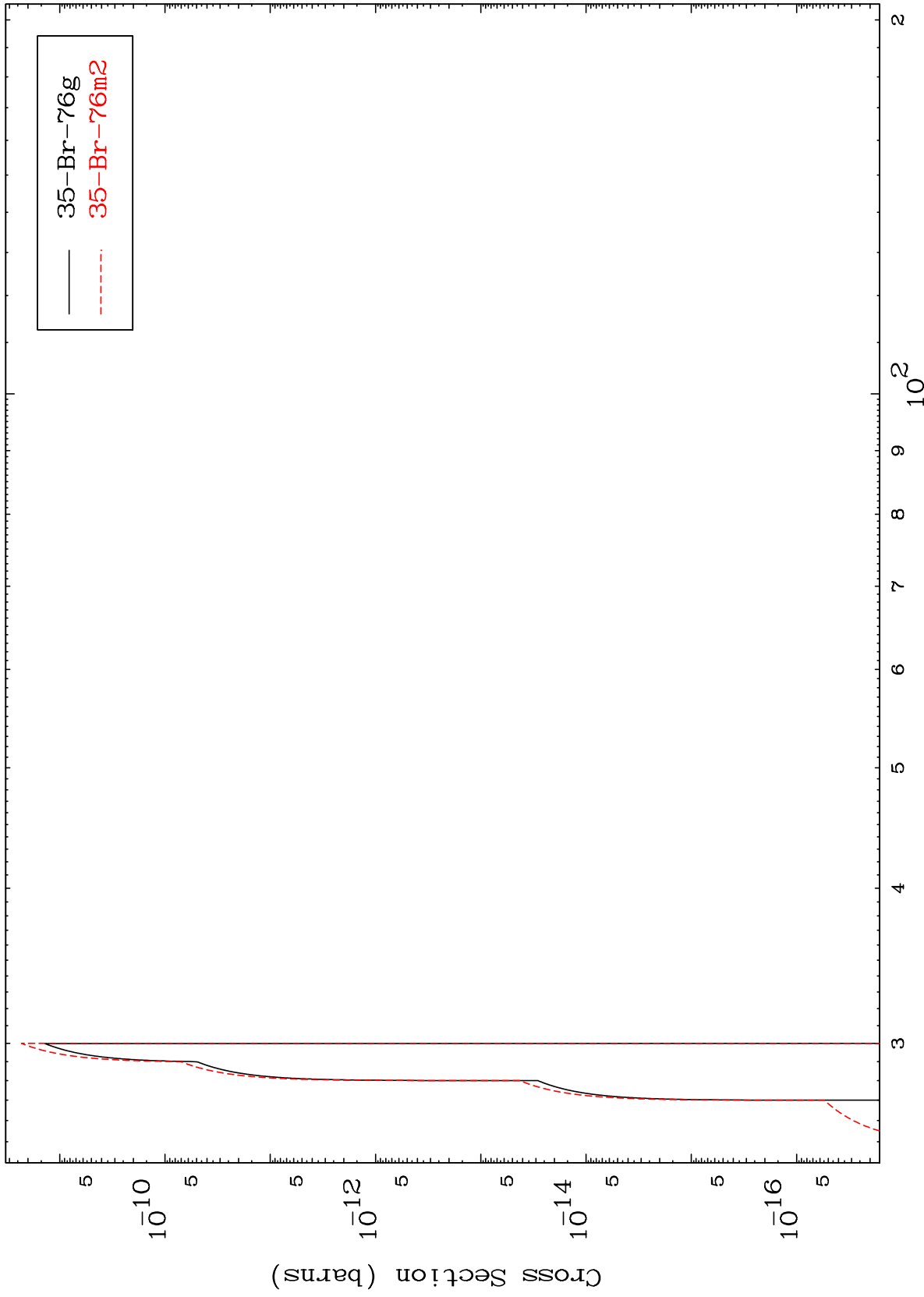
37-Rb-82

MAT 3716

(n,3n)  $\alpha$

37-Rb-82

Radionuclide Production Cross Section



107

Incident Energy (MeV)

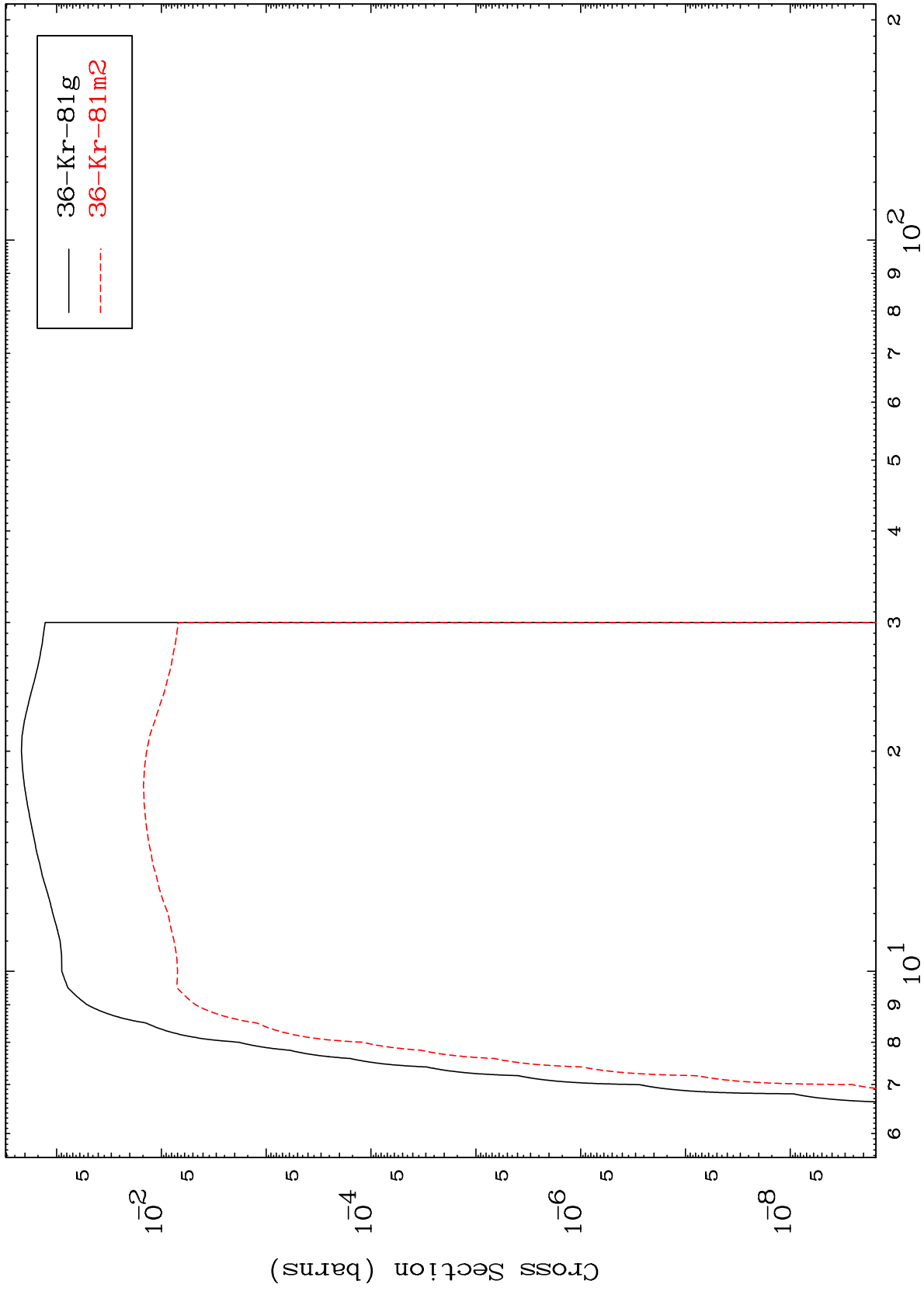
37-Rb-82

MAT 3716

(n,n') p

37-Rb-82

Radionuclide Production Cross Section



108

Incident Energy (MeV)

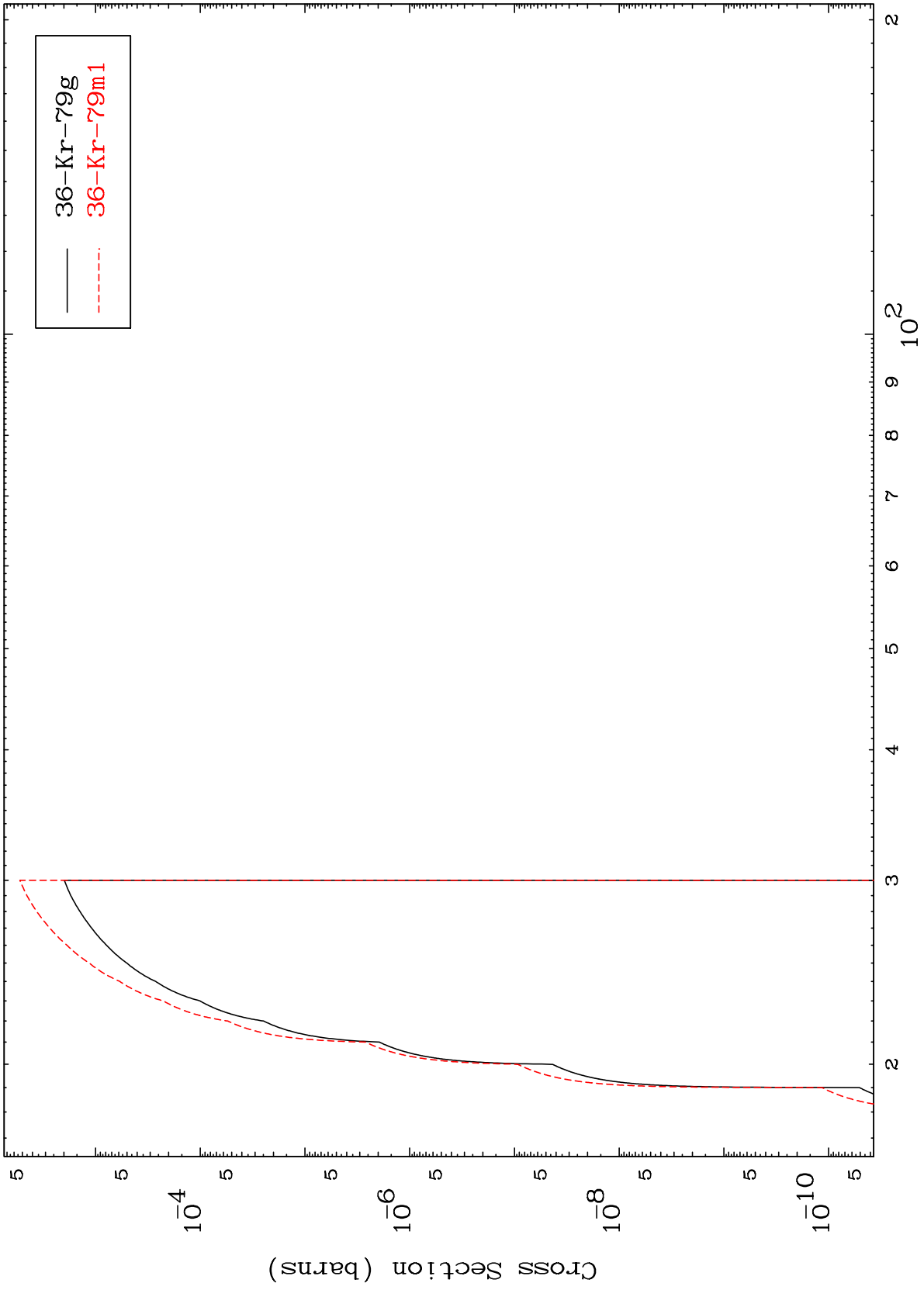
37-Rb-82

MAT 3716

(n,n') t

37-Rb-82

Radionuclide Production Cross Section



109

Incident Energy (MeV)

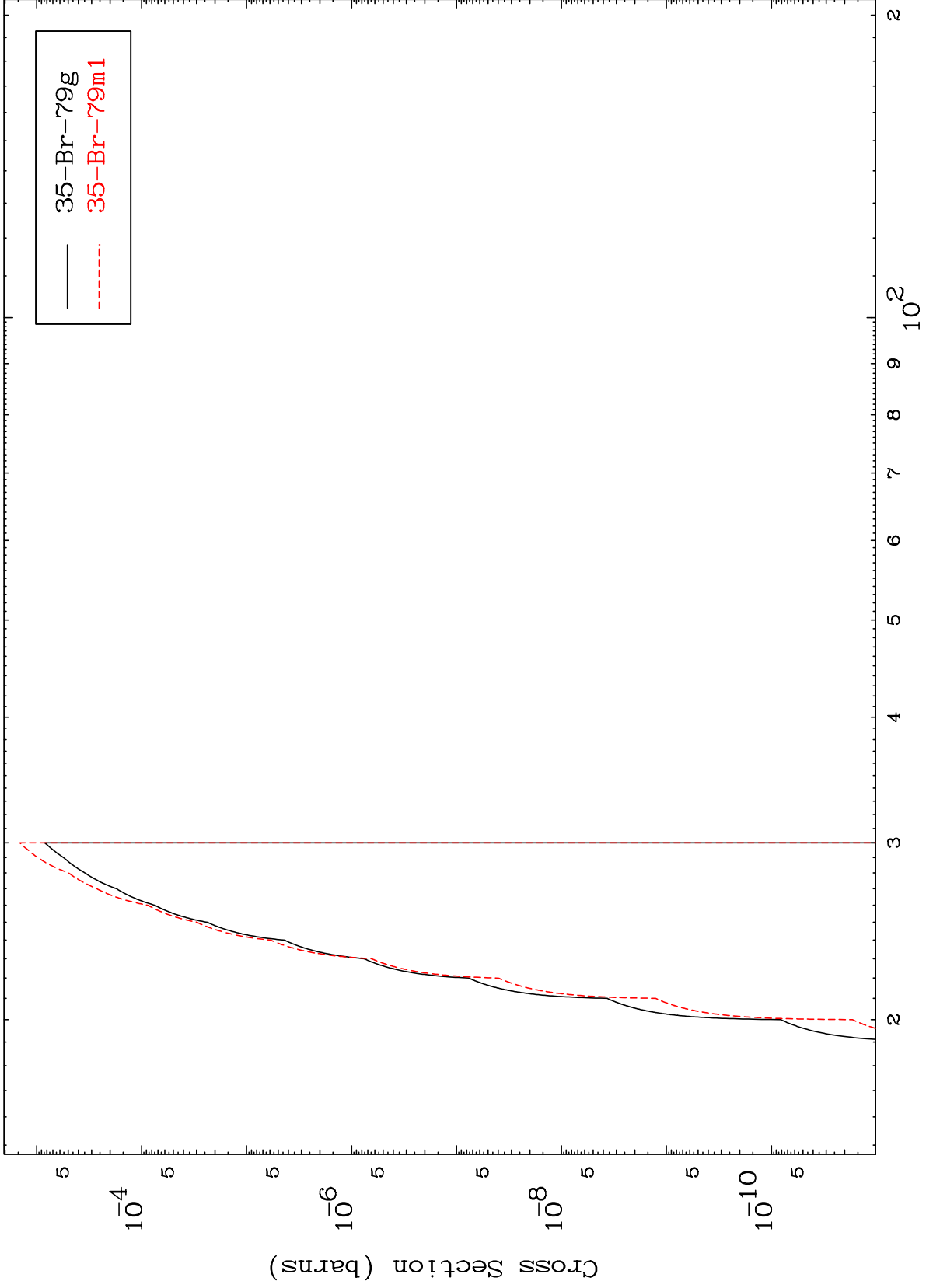
37-Rb-82

MAT 3716

(n, n') He-3

37-Rb-82

Radionuclide Production Cross Section

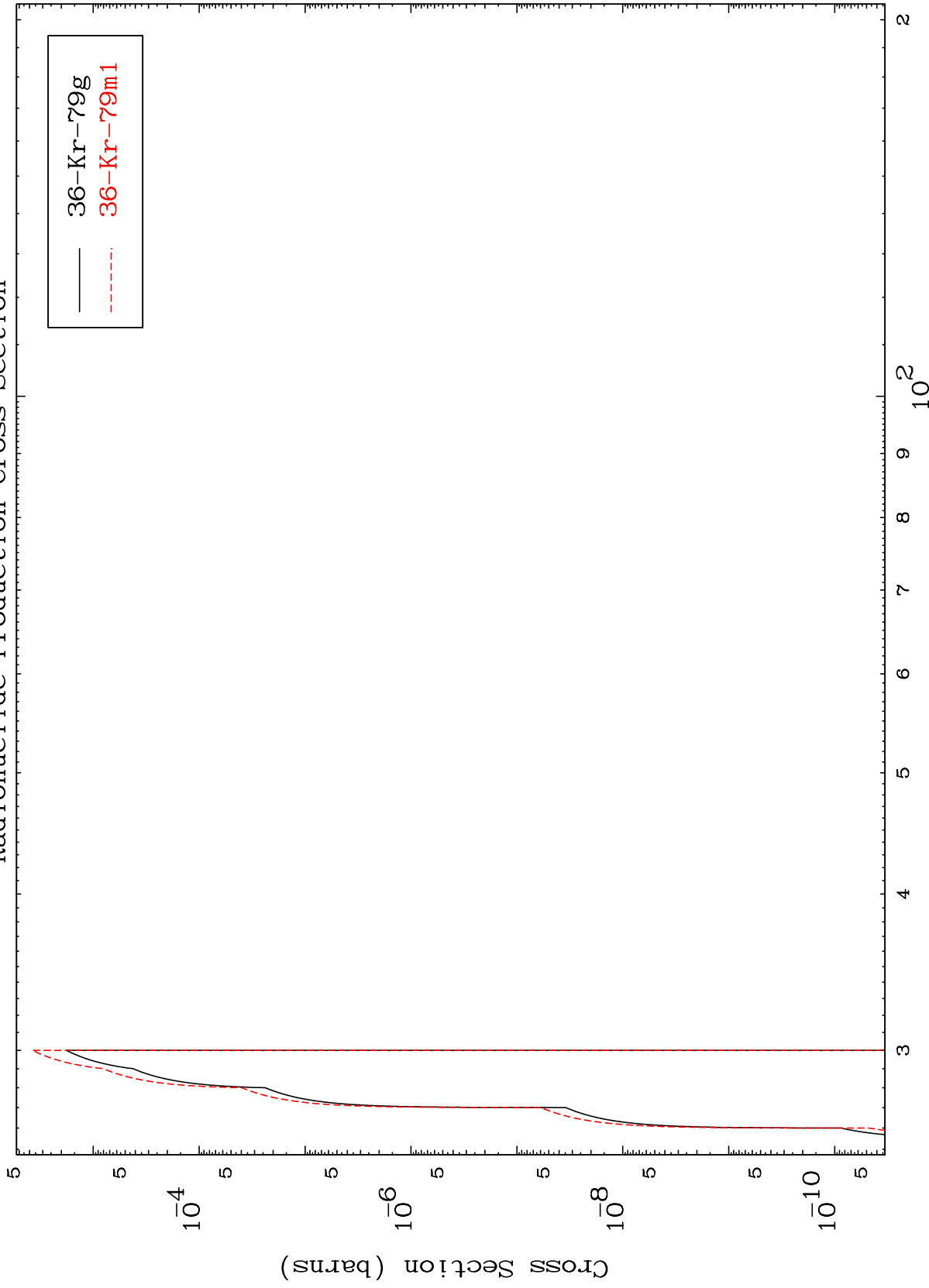


110

Incident Energy (MeV)

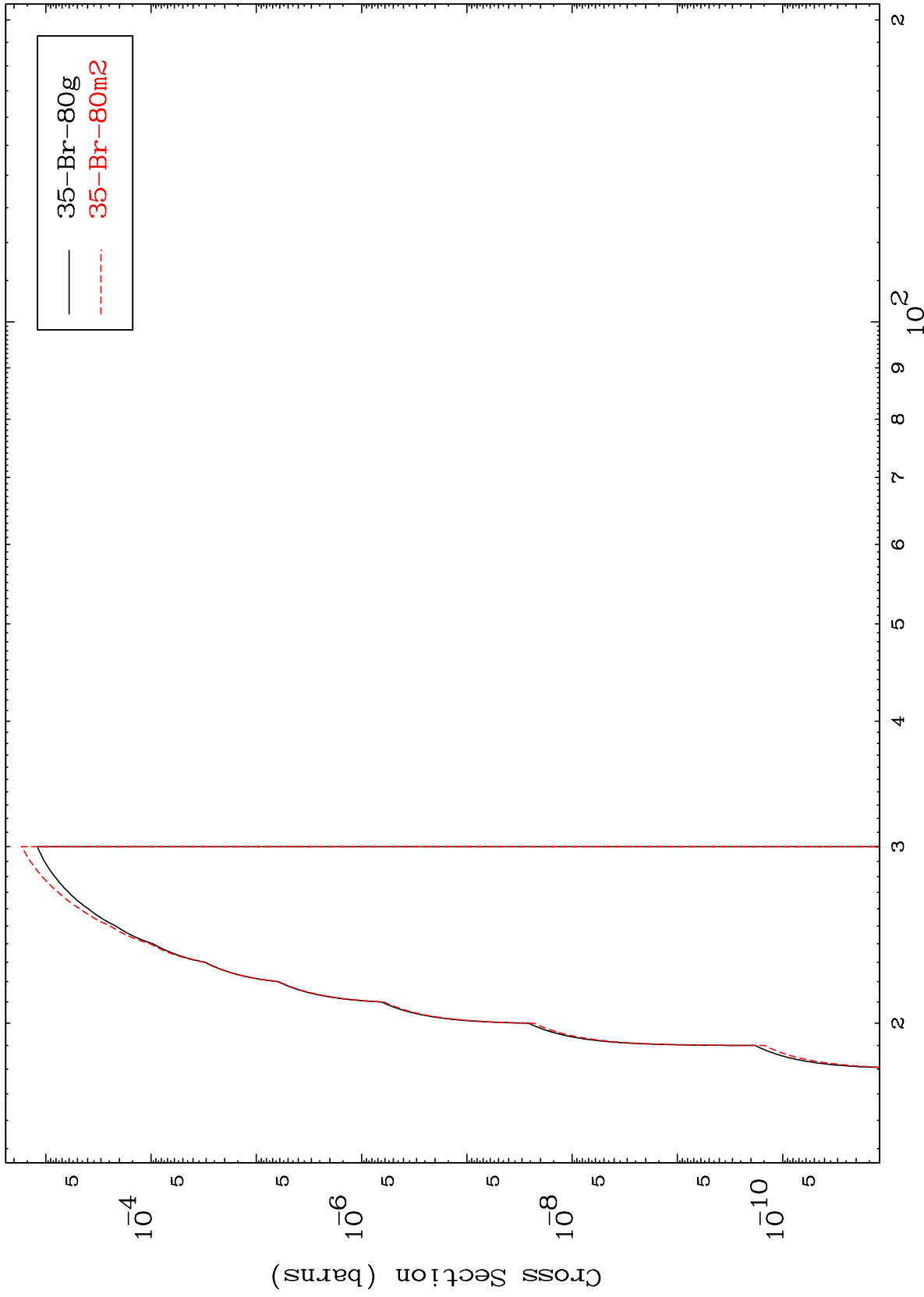
37-Rb-82

Radionuclide Production Cross Section





Radionuclide Production Cross Section

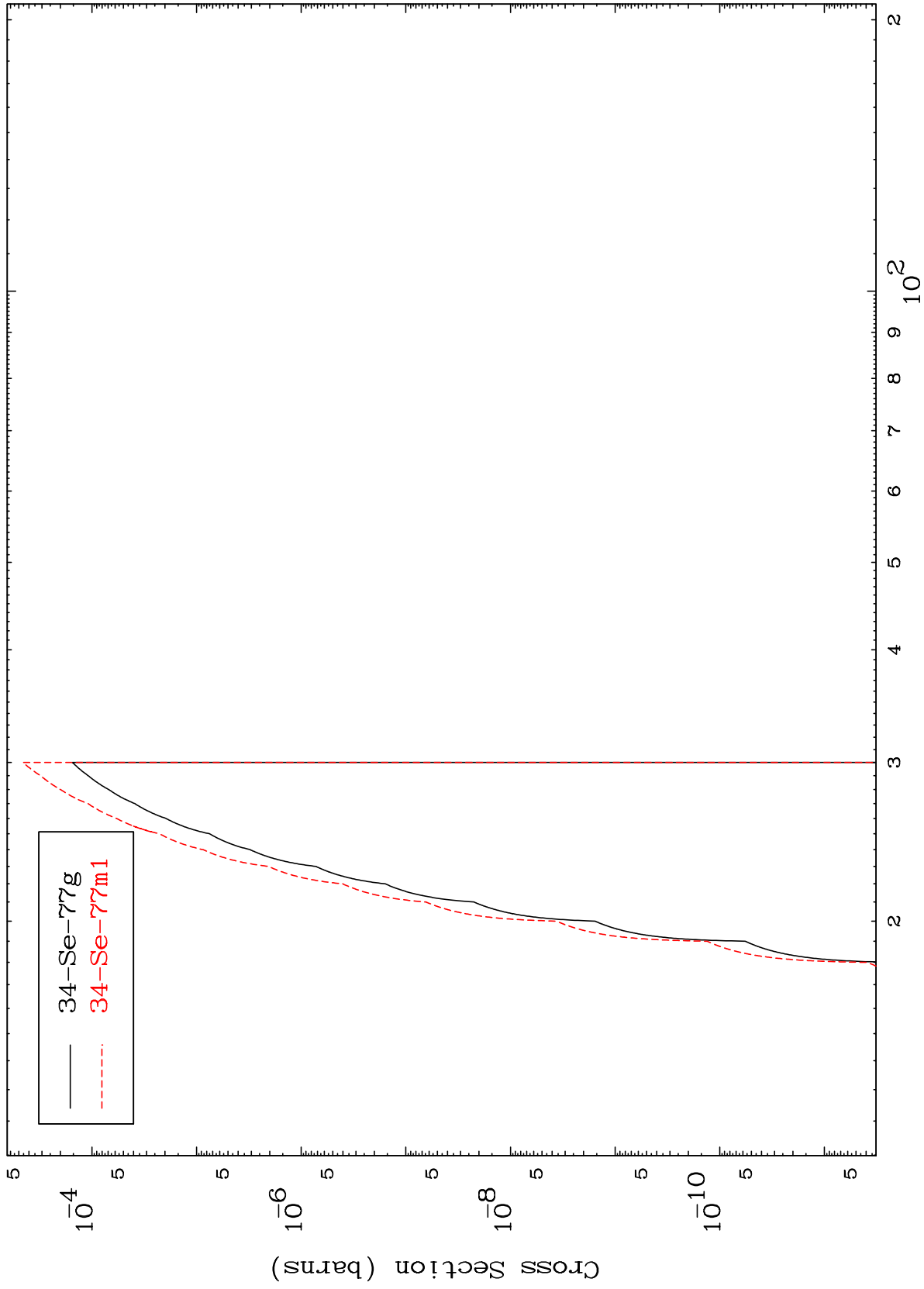


MAT 3716

(n,n') p  $\alpha$

37-Rb-82

Radionuclide Production Cross Section



113

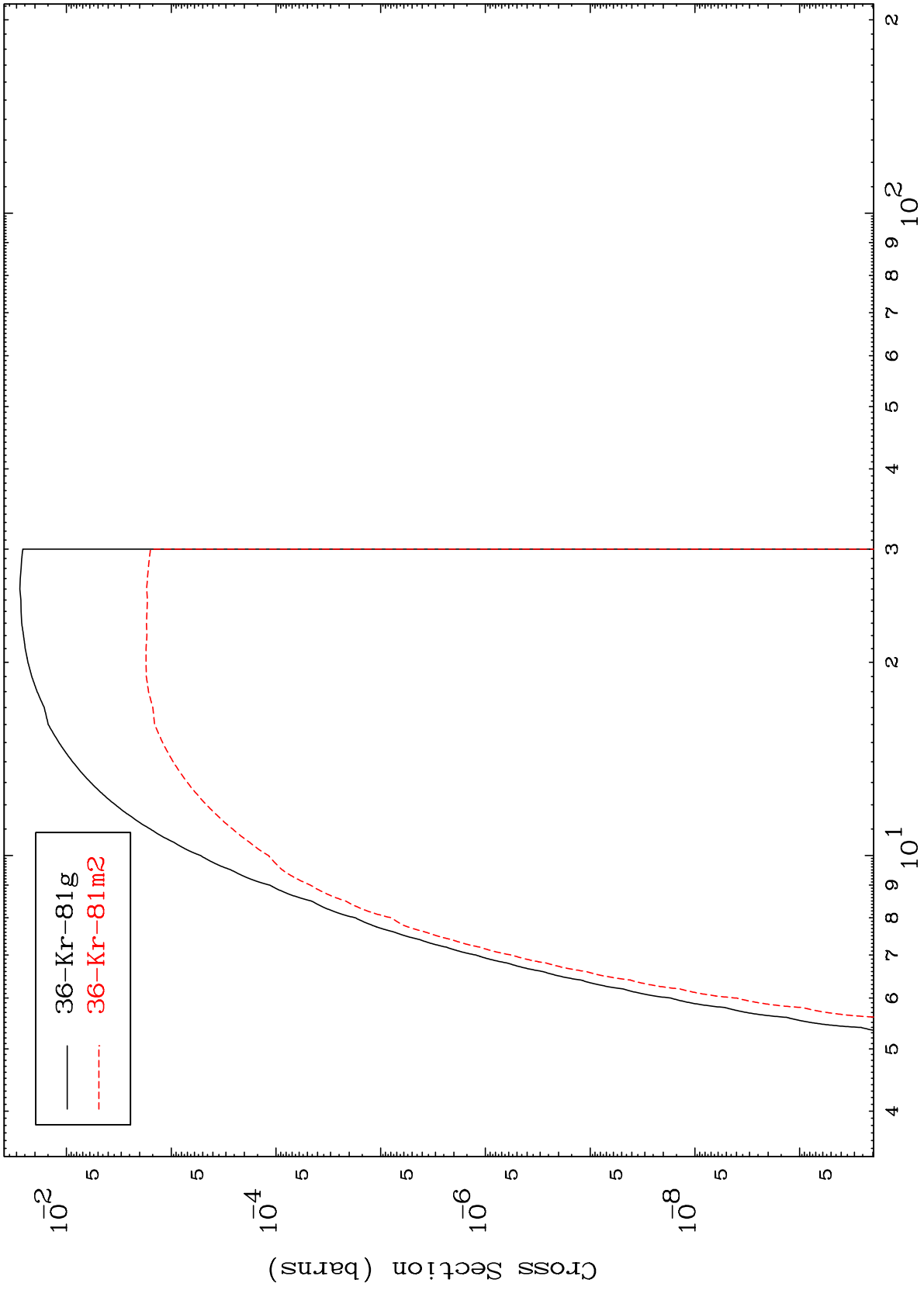
Incident Energy (MeV)

37-Rb-82

MAT 3716

(n,d)  
Radionuclide Production Cross Section

37-Rb-82



114

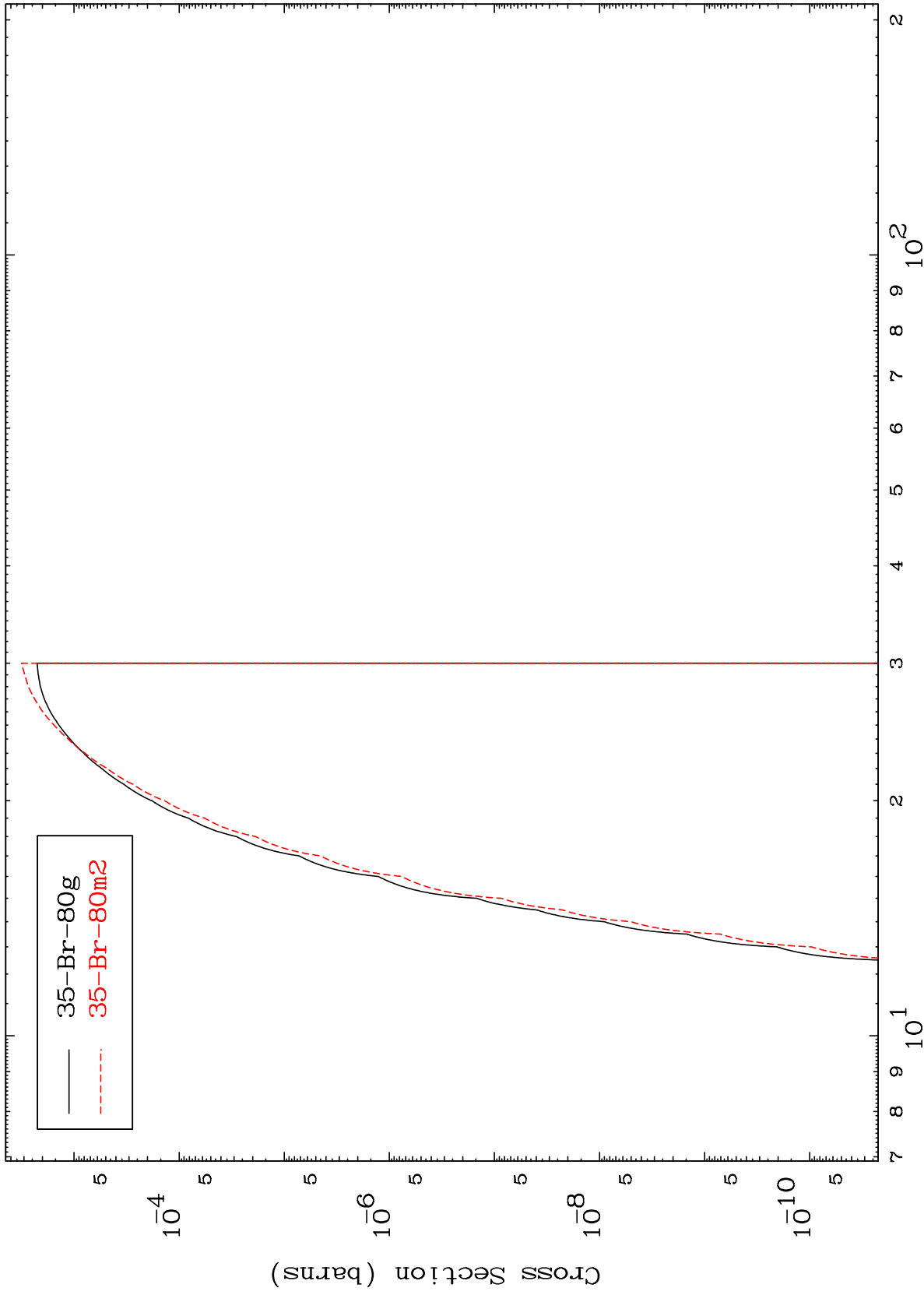
37-Rb-82

MAT 3716

(n,He-3)

37-Rb-82

Radionuclide Production Cross Section



115

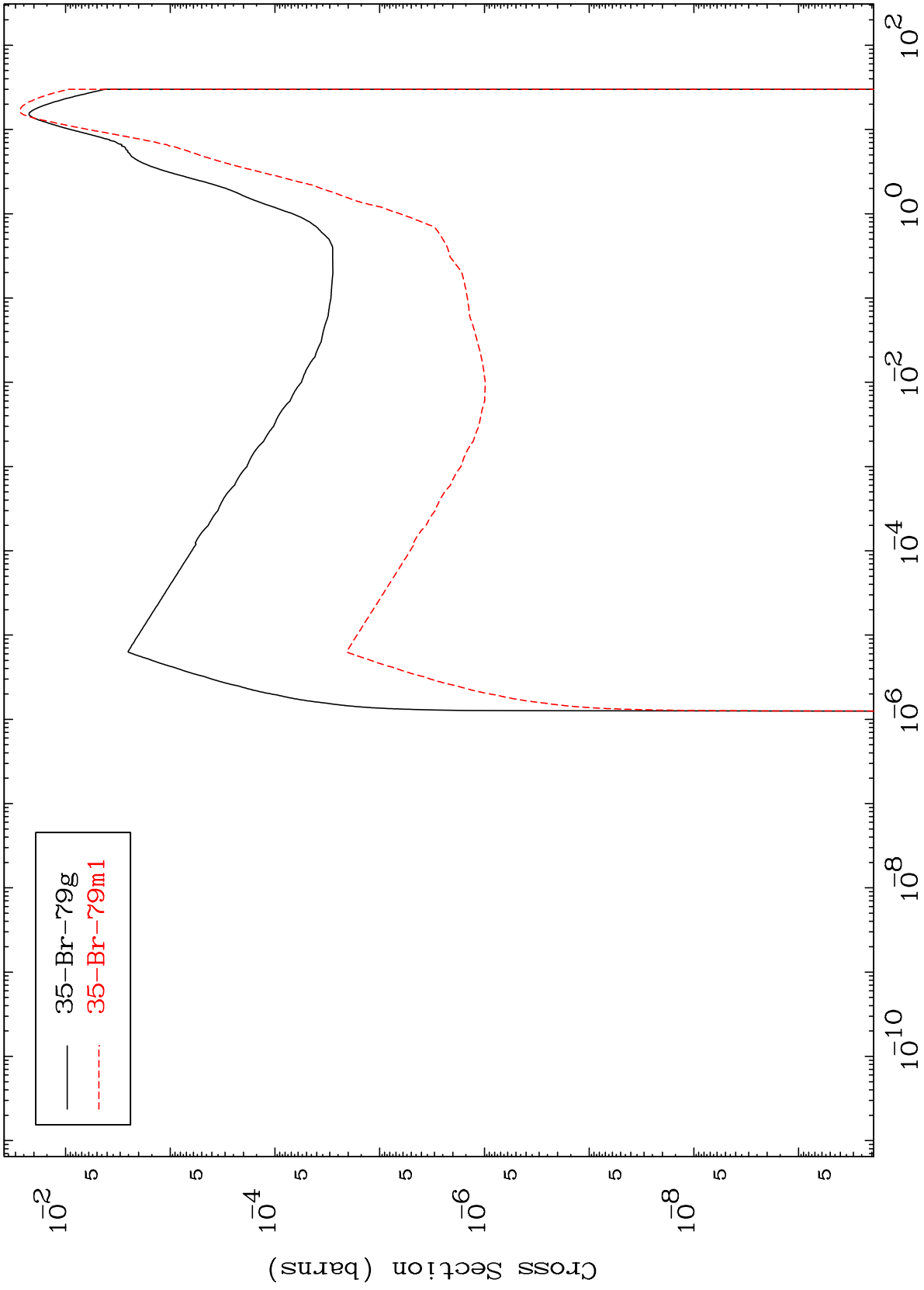
Incident Energy (MeV)

37-Rb-82

MAT 3716

Radionuclide Production Cross Section  
(n,  $\alpha$ )

37-Rb-82



116

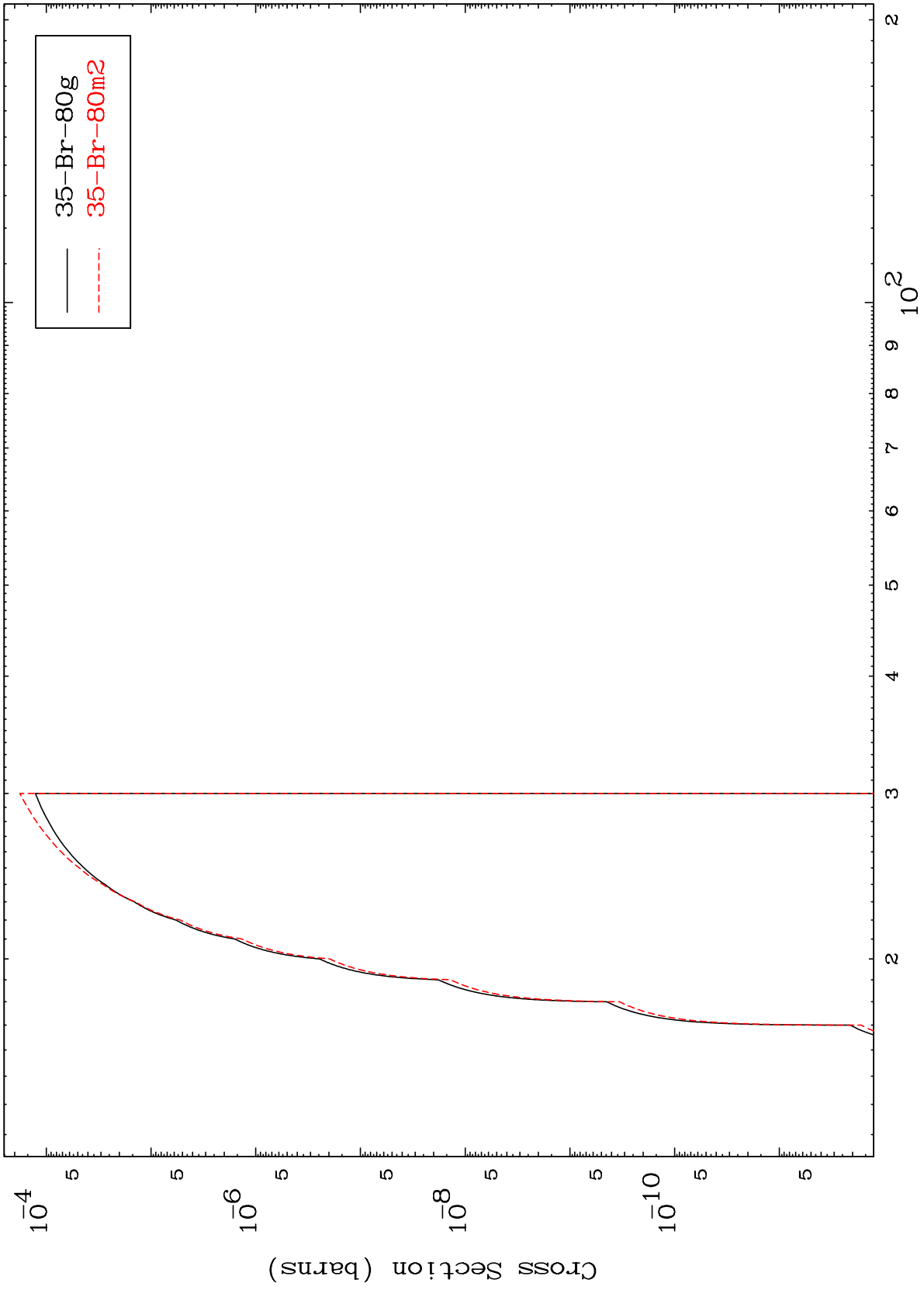
37-Rb-82

MAT 3716

(n,p) d

37-Rb-82

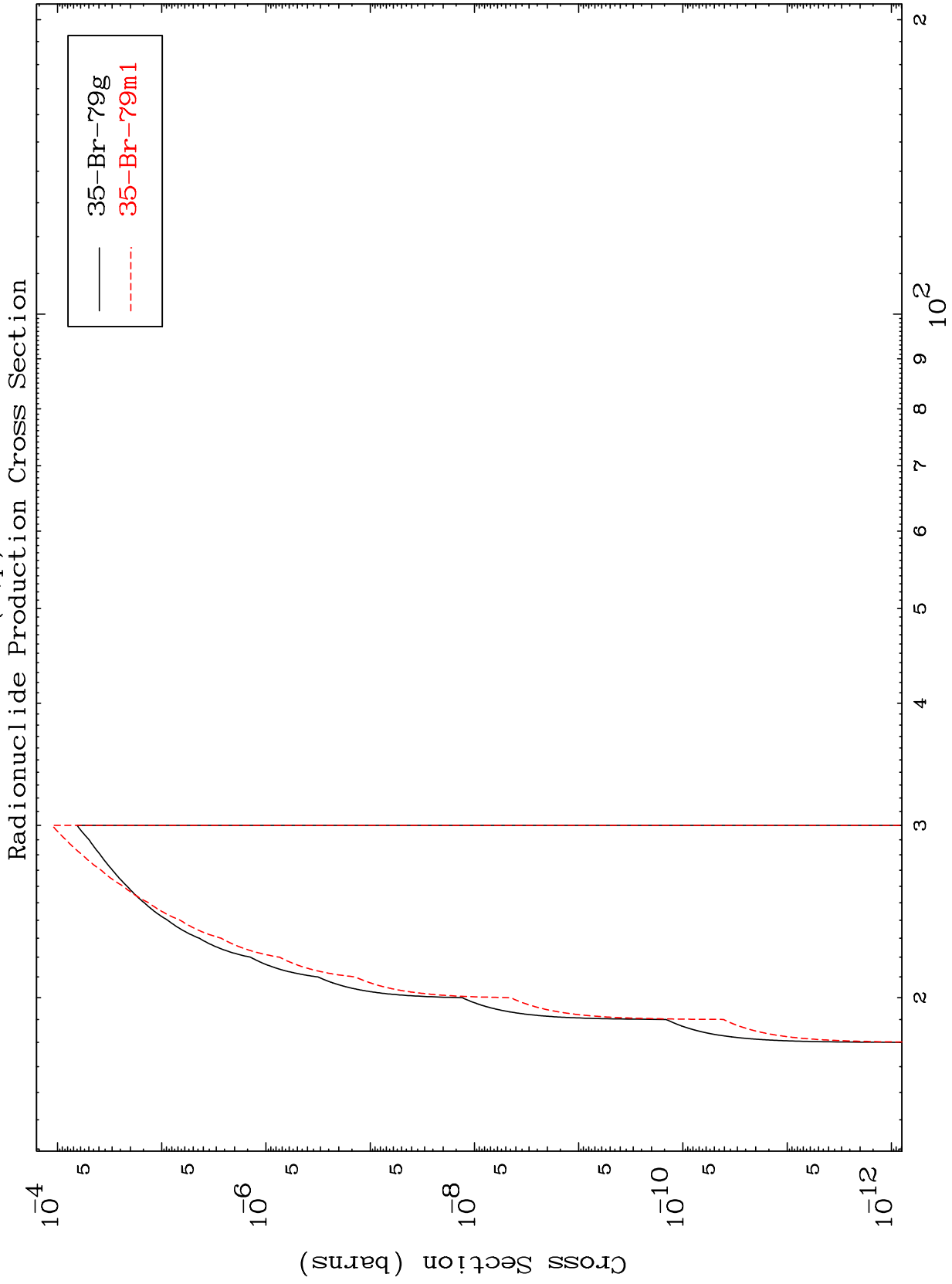
Radionuclide Production Cross Section



117

Incident Energy (MeV)

37-Rb-82

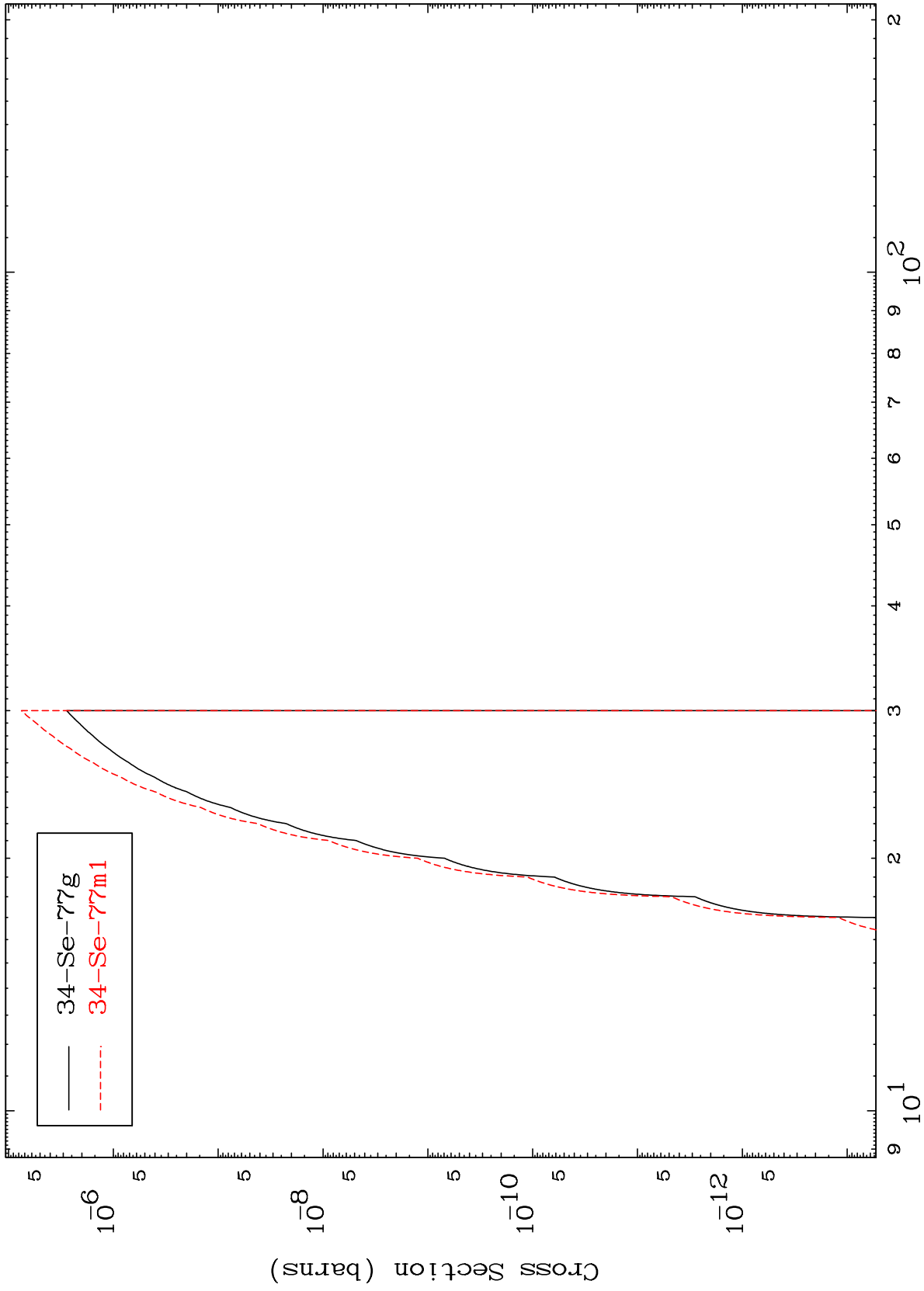


MAT 3716

(n,d)  $\alpha$

37-Rb-82

Radionuclide Production Cross Section



119

Incident Energy (MeV)

37-Rb-82