

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](mailto:redcullen1@comcast.net)

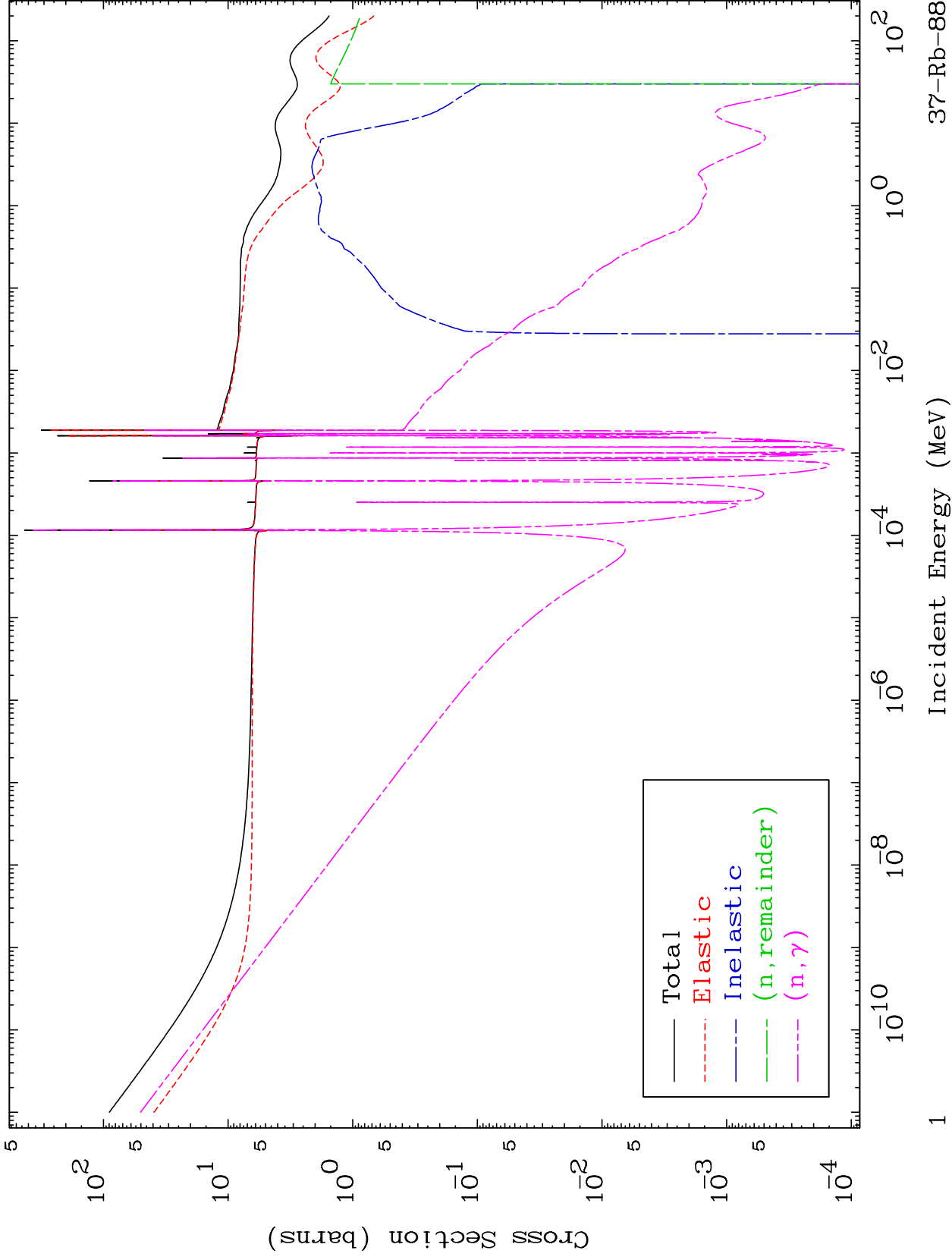
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

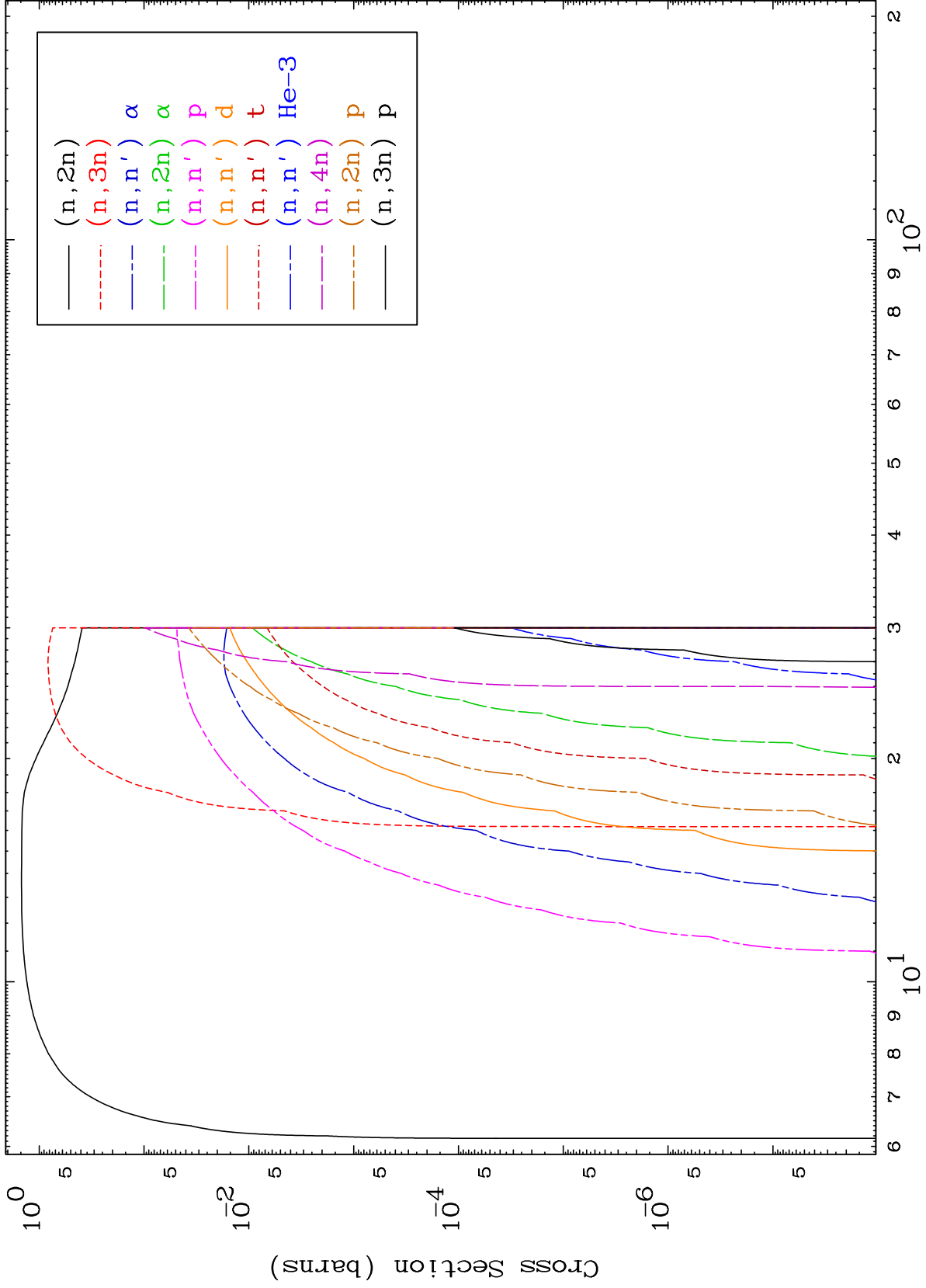
MAT 3734

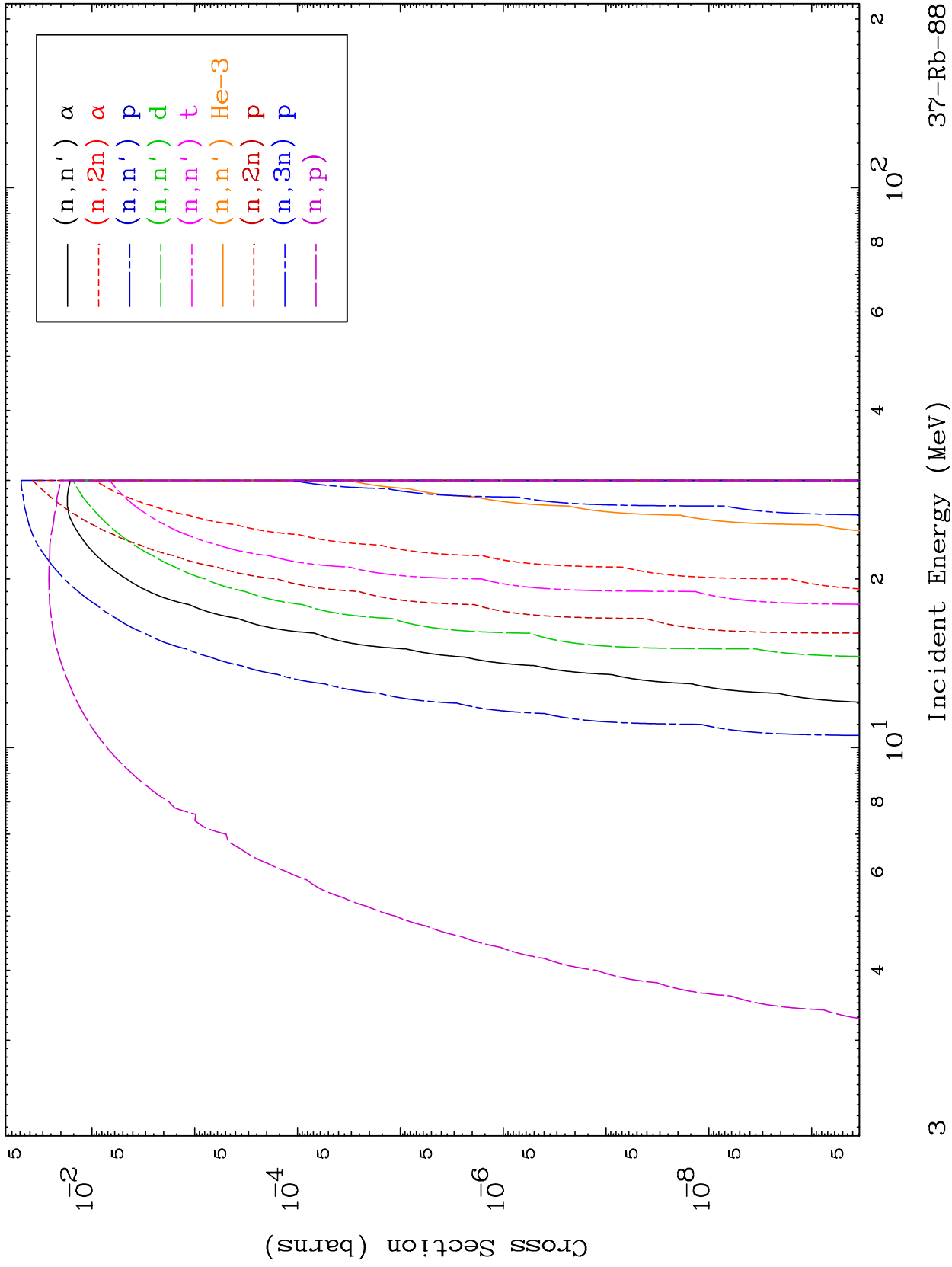
Major  
293 Kelvin Cross Sections

37-Rb-88



1

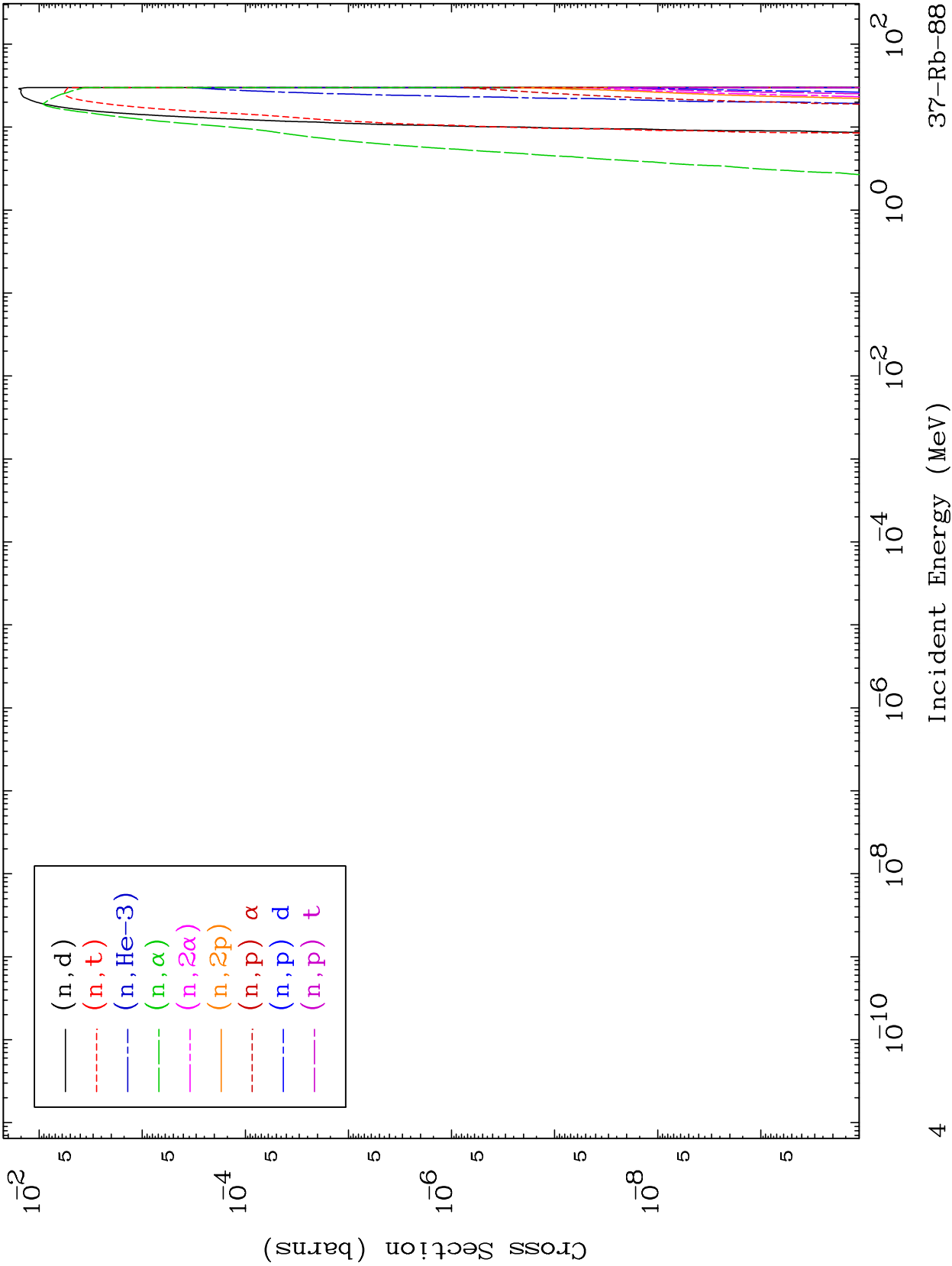




MAT 3734

Charged Particle  
293 Kelvin Cross Sections

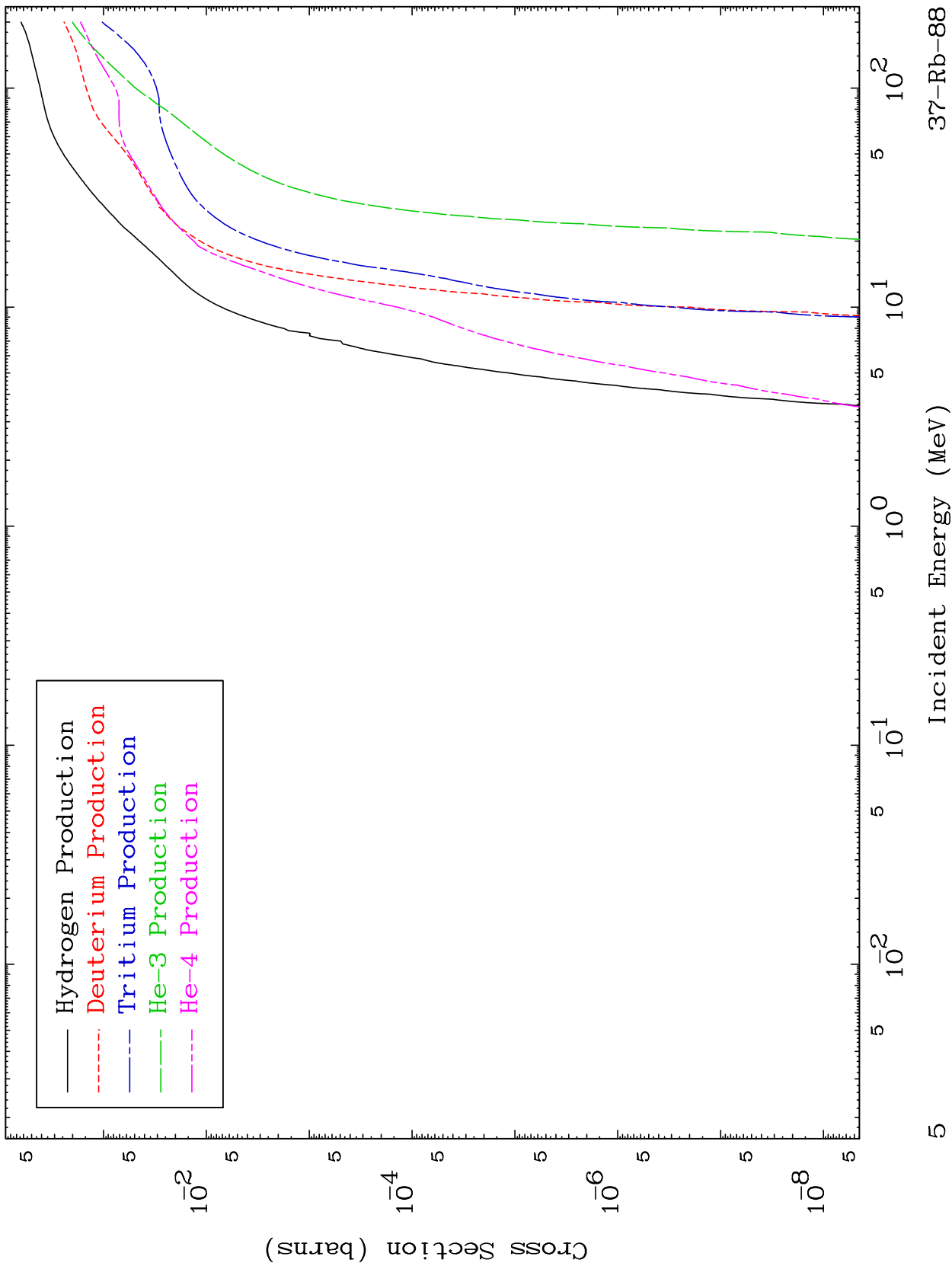
37-Rb-88



MAT 3734

Particle Production  
293 Kelvin Cross Sections

37-Rb-88

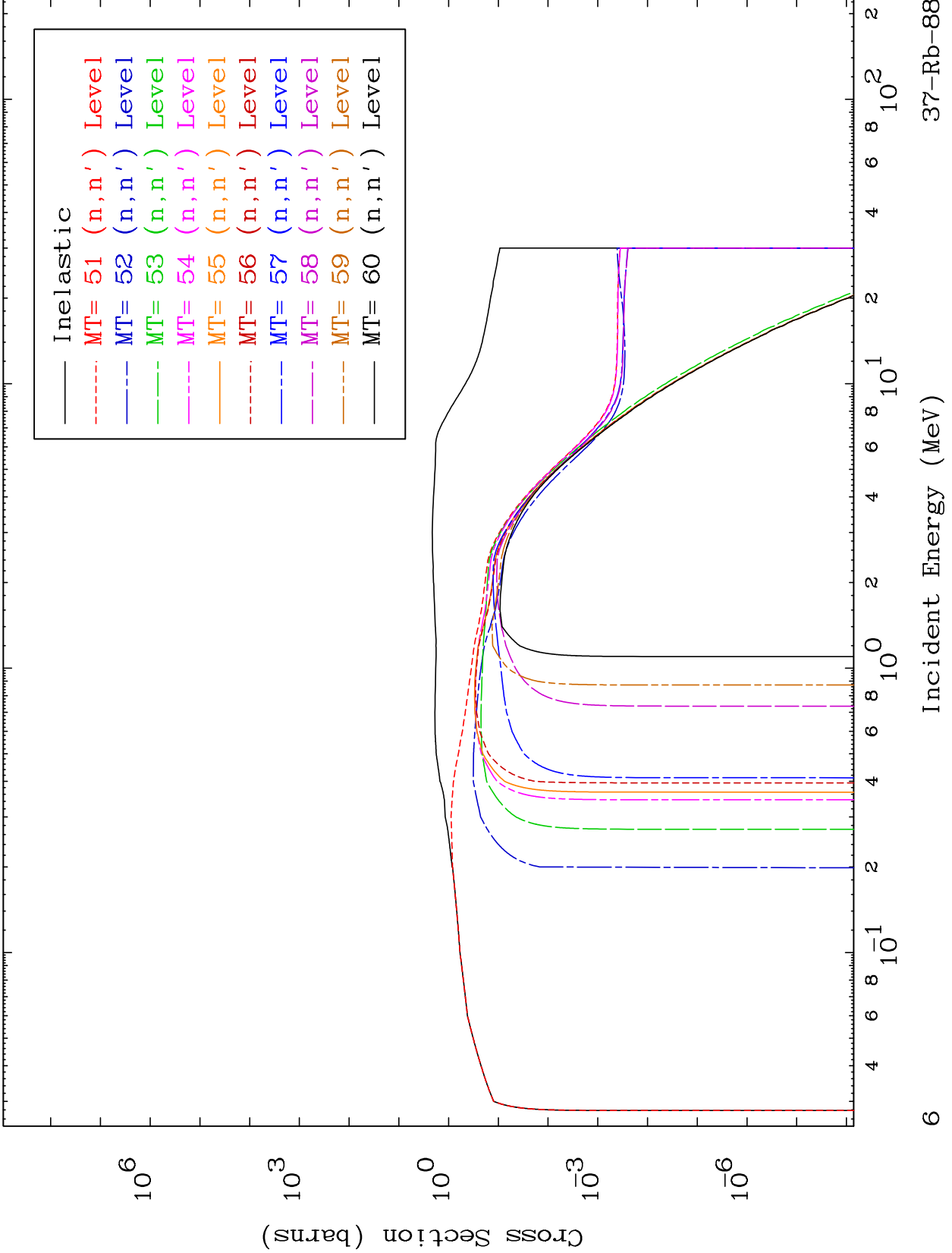


5

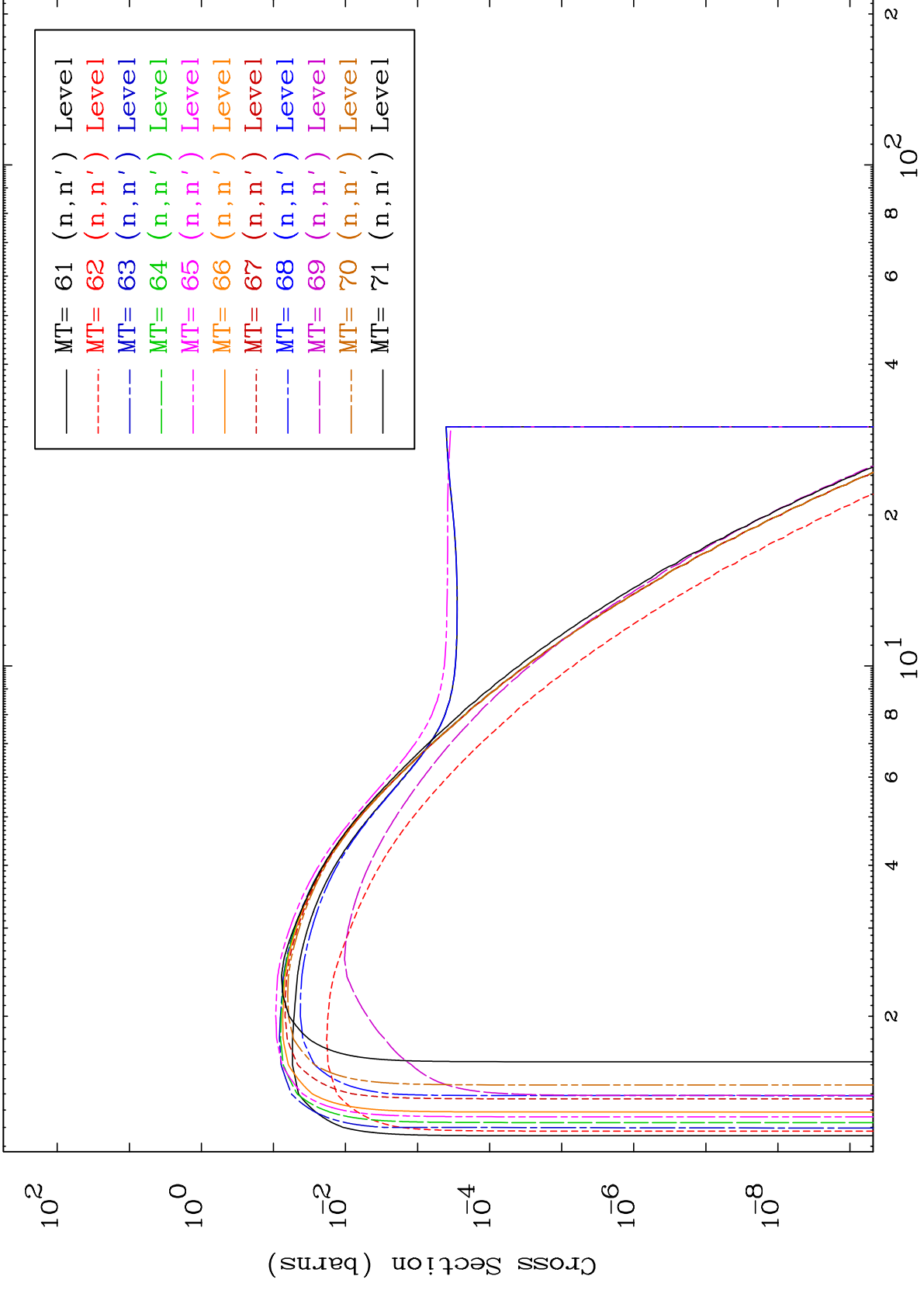
Incident Energy (MeV)

37-Rb-88

293 Kelvin Cross Sections



293 Kelvin Cross Sections



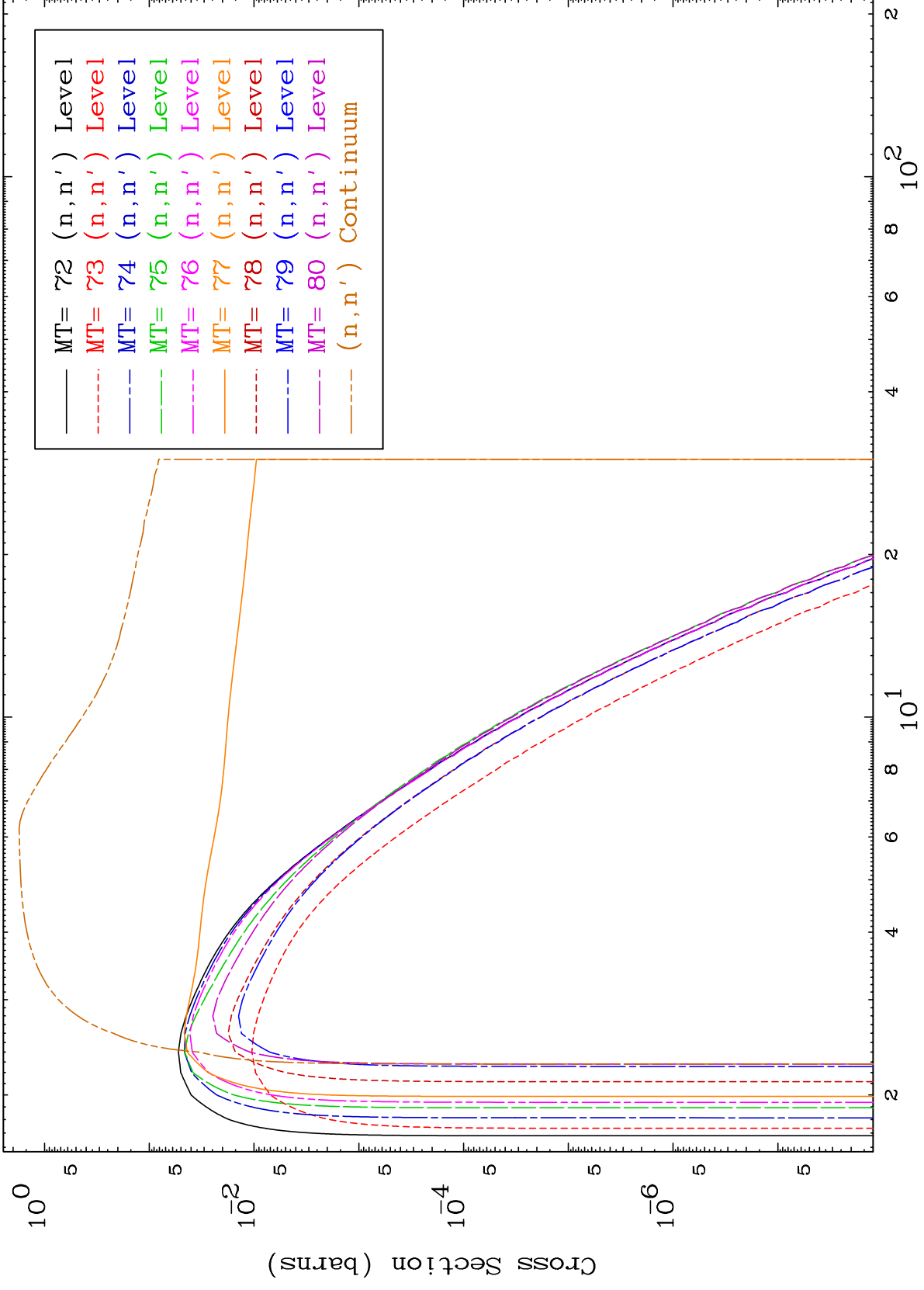


MAT 3734

(n,n') Level

37-Rb-88

293 Kelvin Cross Sections



8

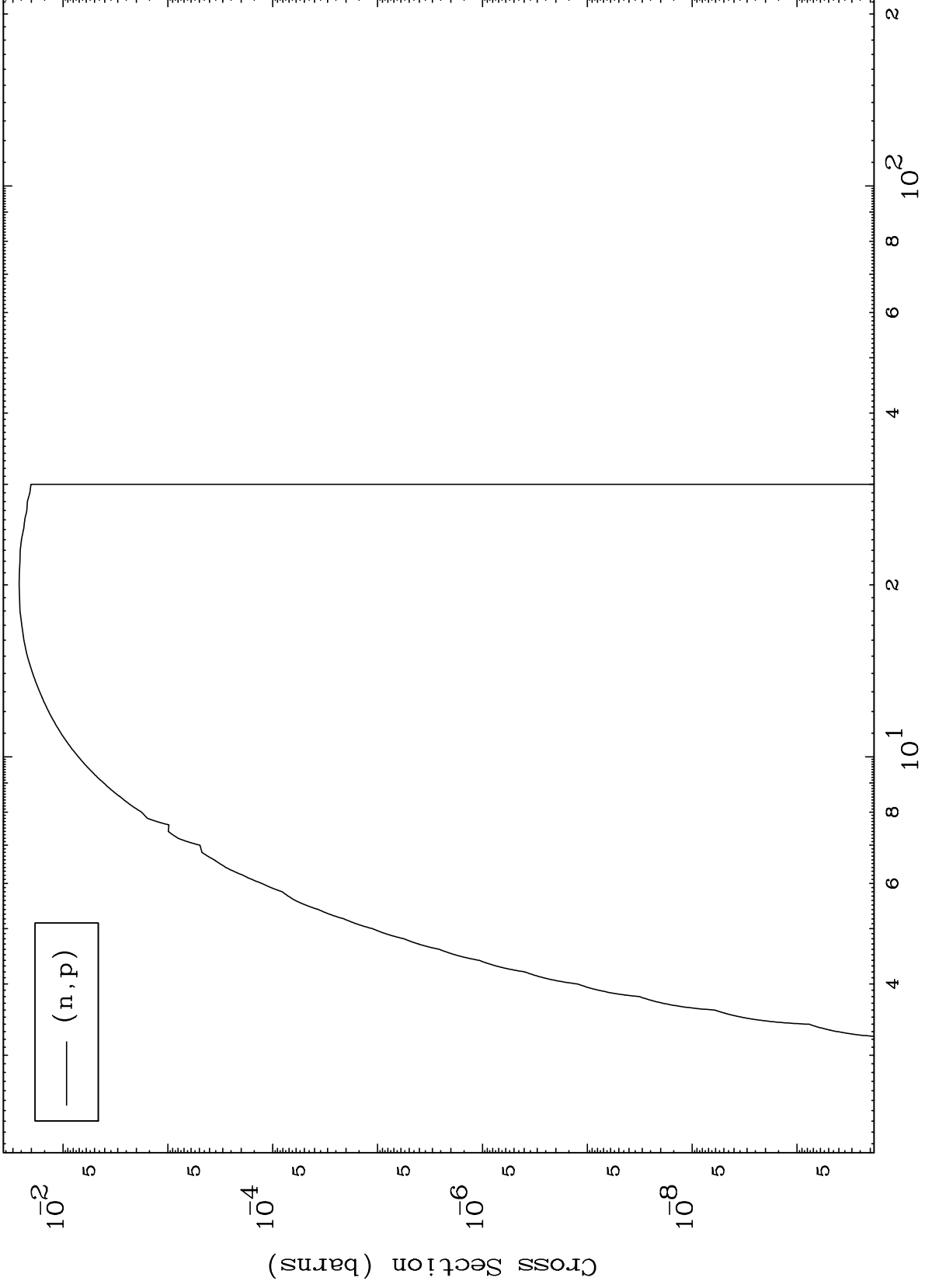
Incident Energy (MeV)

37-Rb-88

MAT 3734

(n,p) Levels  
293 Kelvin Cross Sections

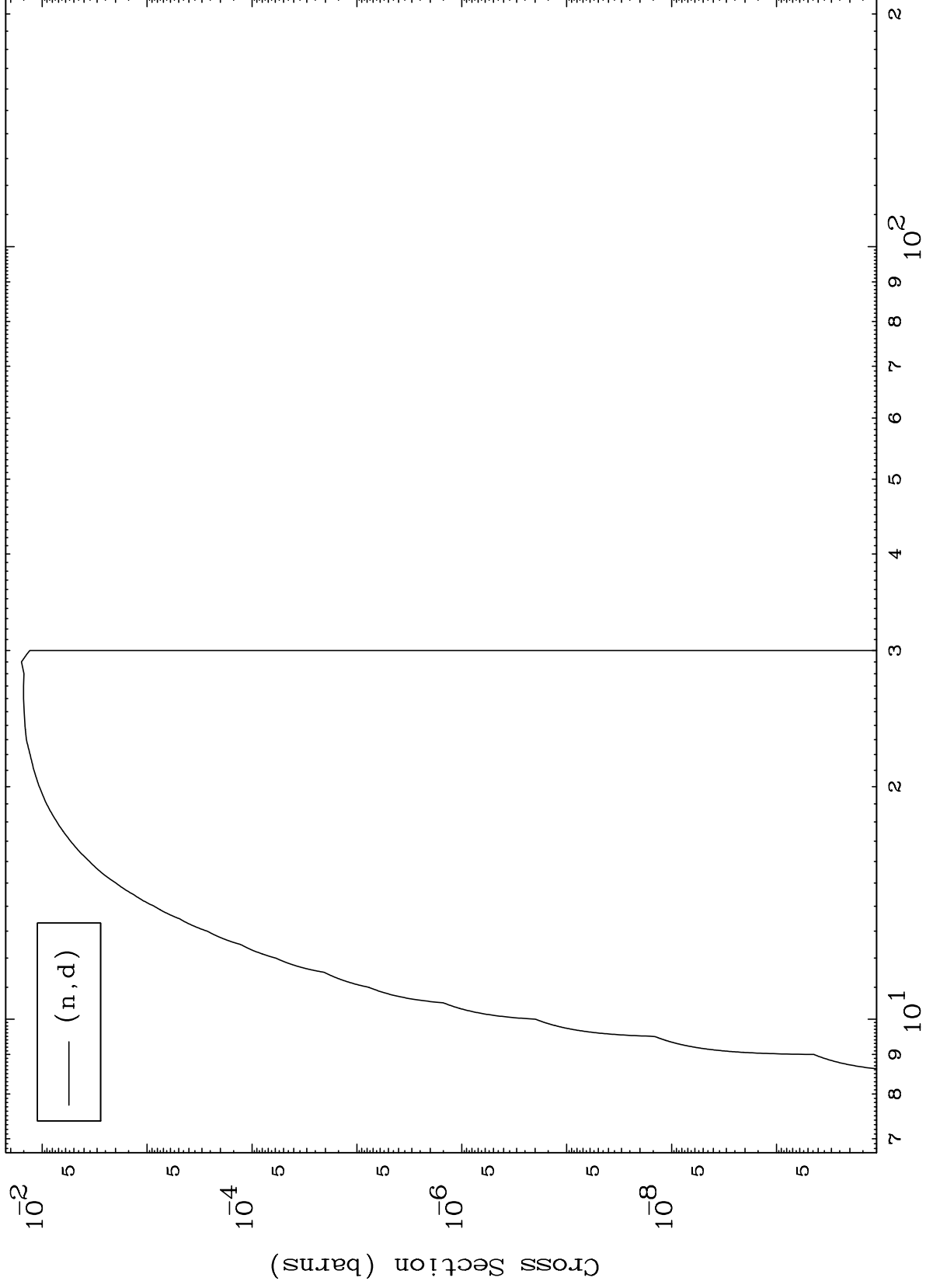
37-Rb-88



MAT 3734

(n,d) Levels  
293 Kelvin Cross Sections

37-Rb-88



10

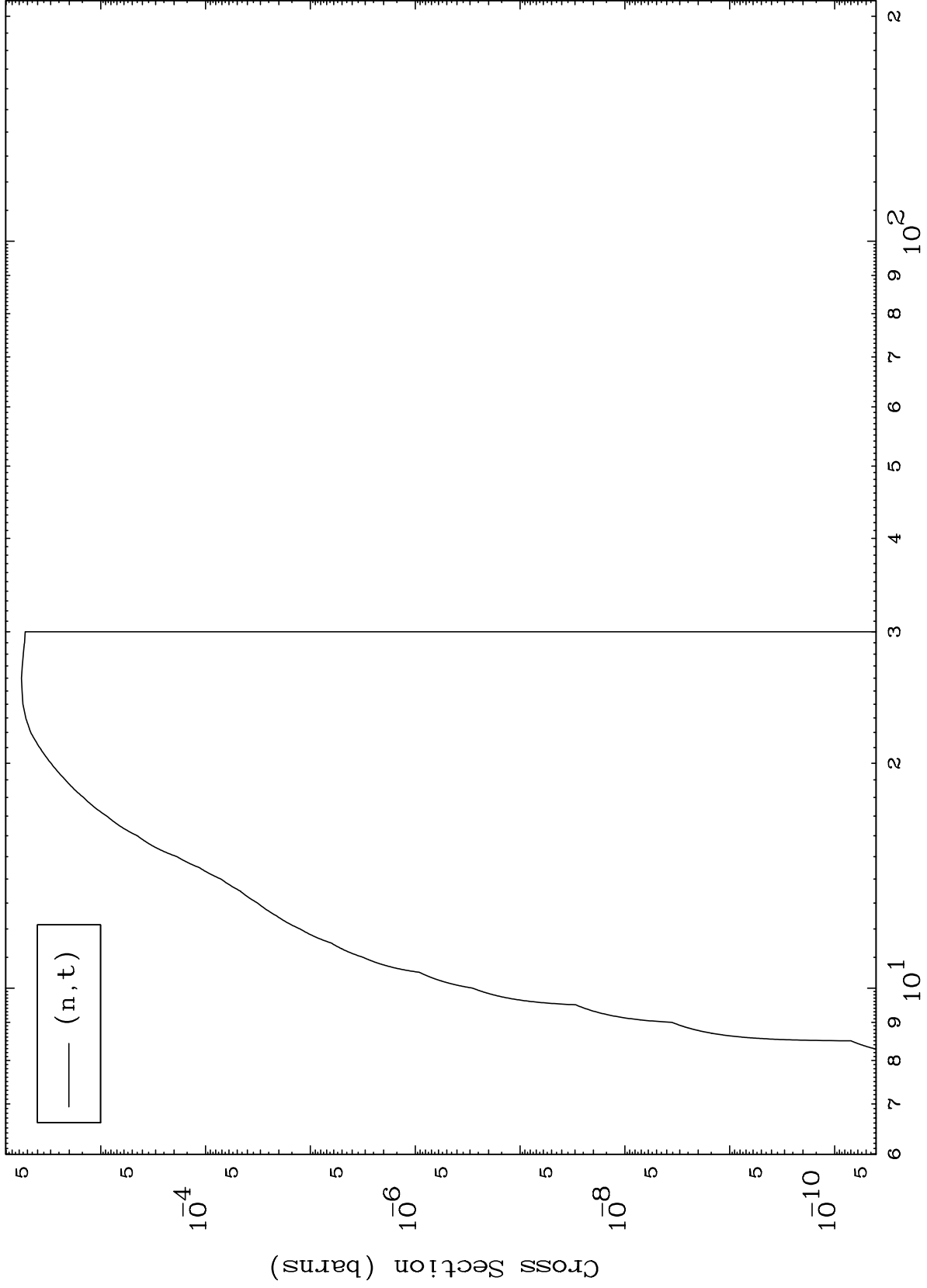
Incident Energy (MeV)

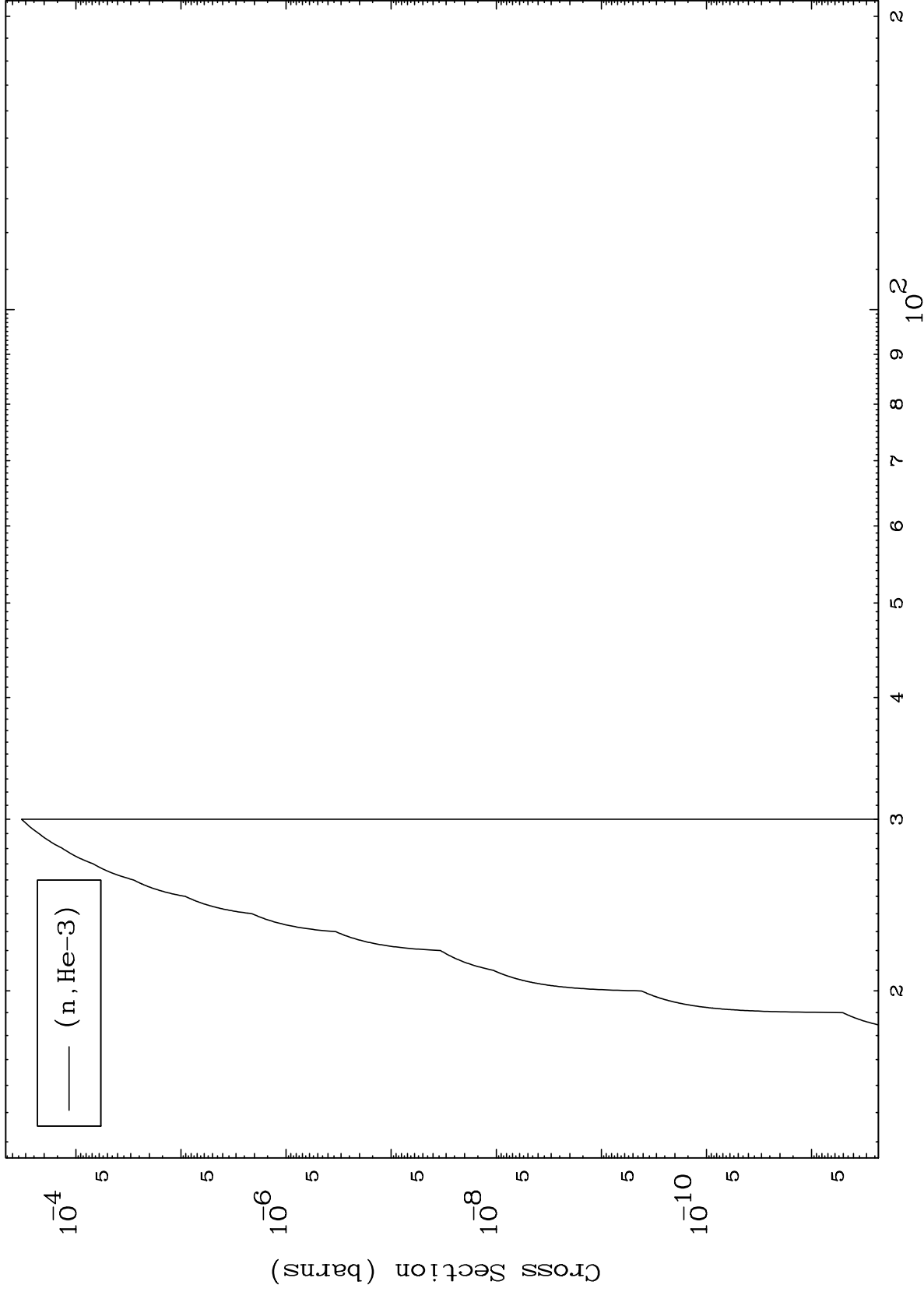
37-Rb-88

MAT 3734

(n, t) Levels  
293 Kelvin Cross Sections

37-Rb-88

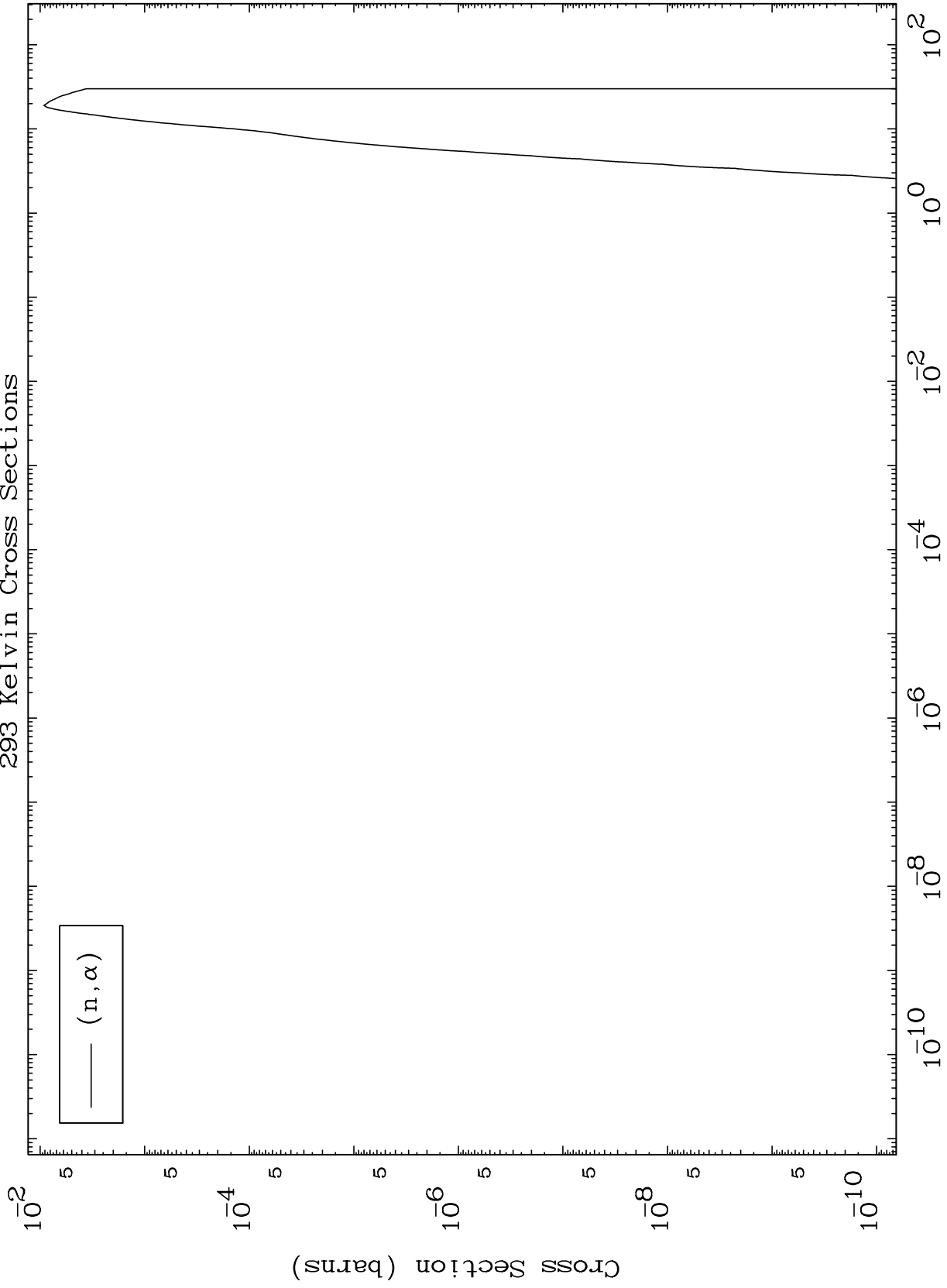




MAT 3734

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

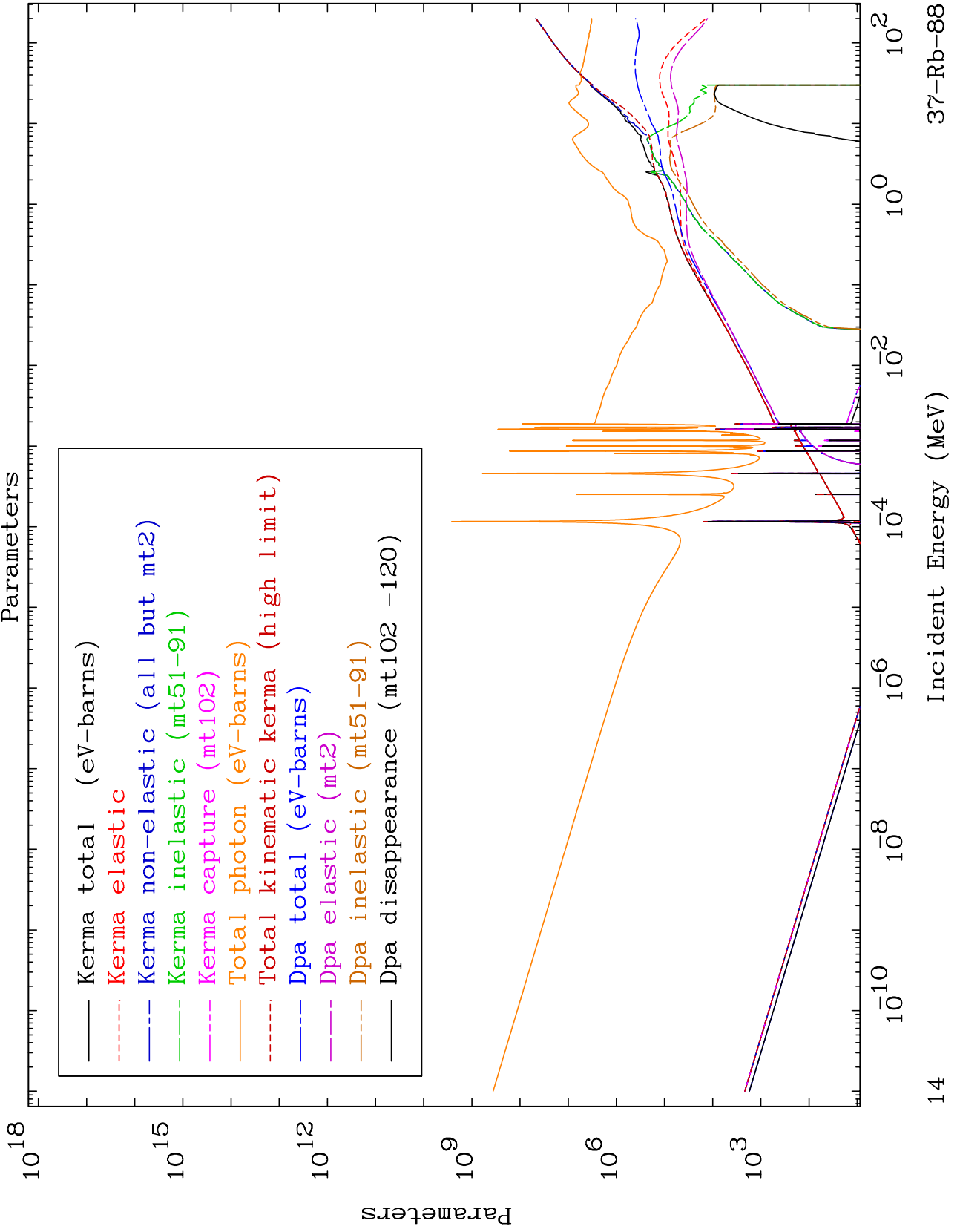
37-Rb-88



13

Incident Energy (MeV)

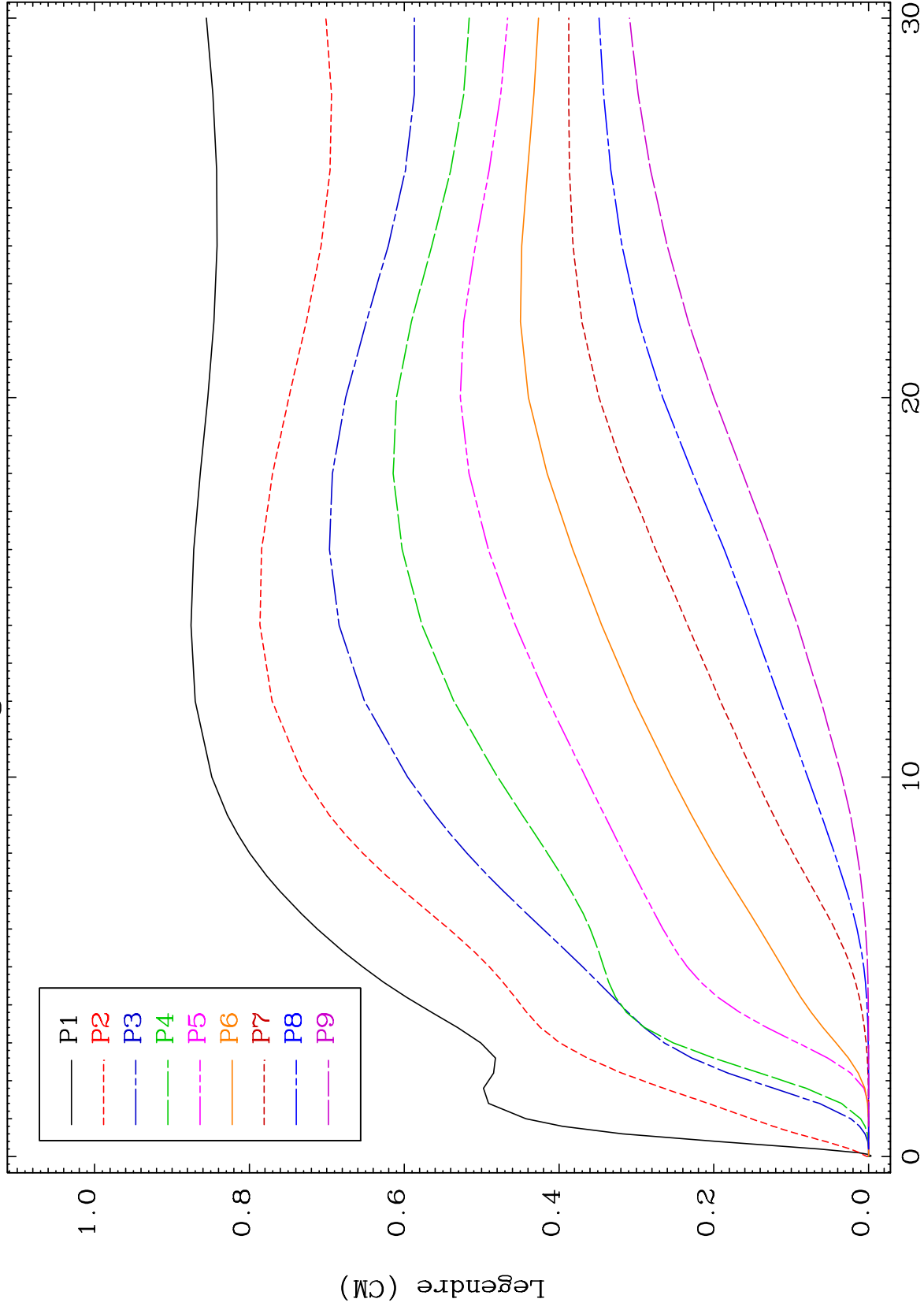
37-Rb-88



MAT 3734

Elastic Legendre Coefficients

37-Rb-88



15

Incident Energy (MeV)

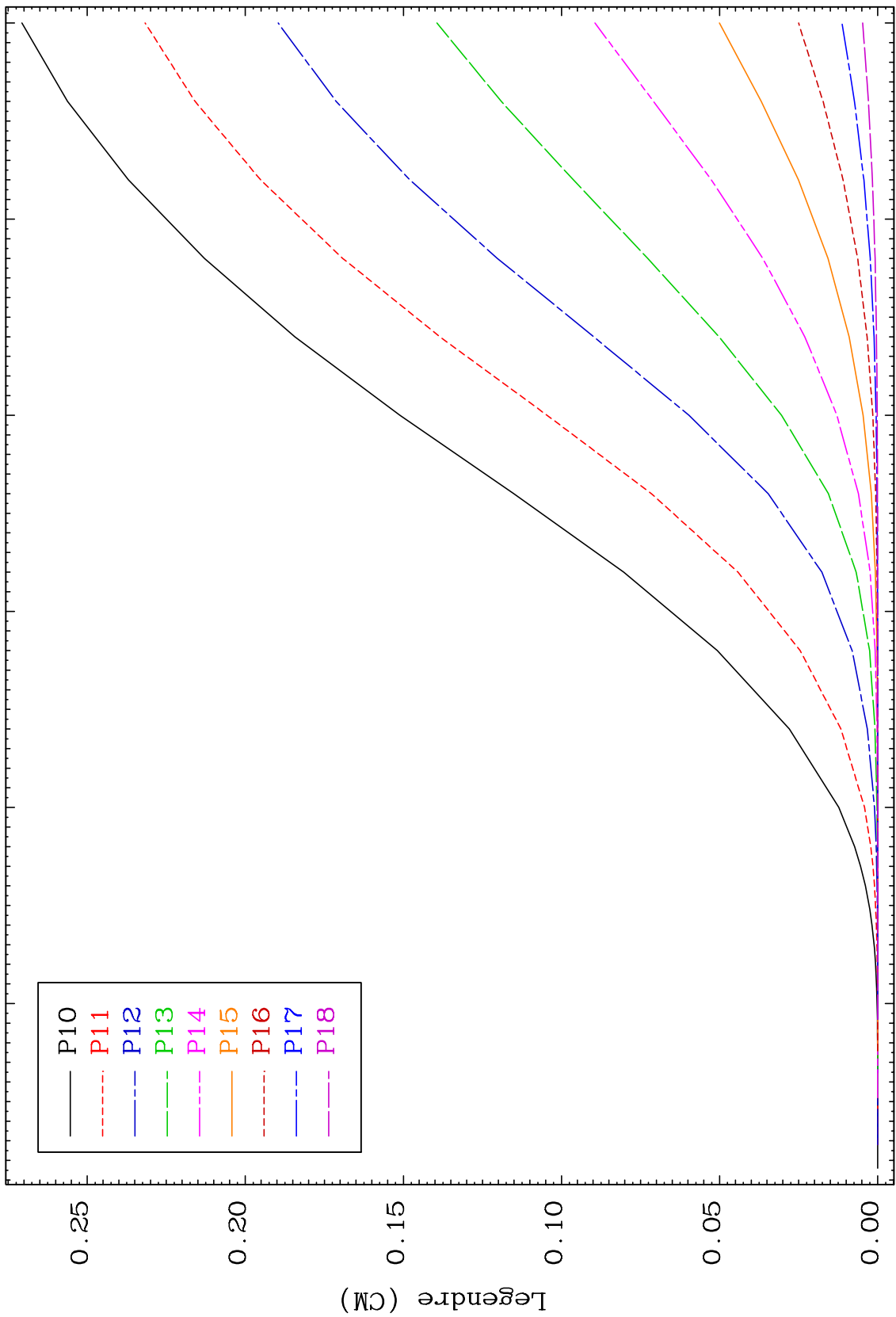
37-Rb-88



MAT 3734

### Elastic Legendre Coefficients

37-Rb-88



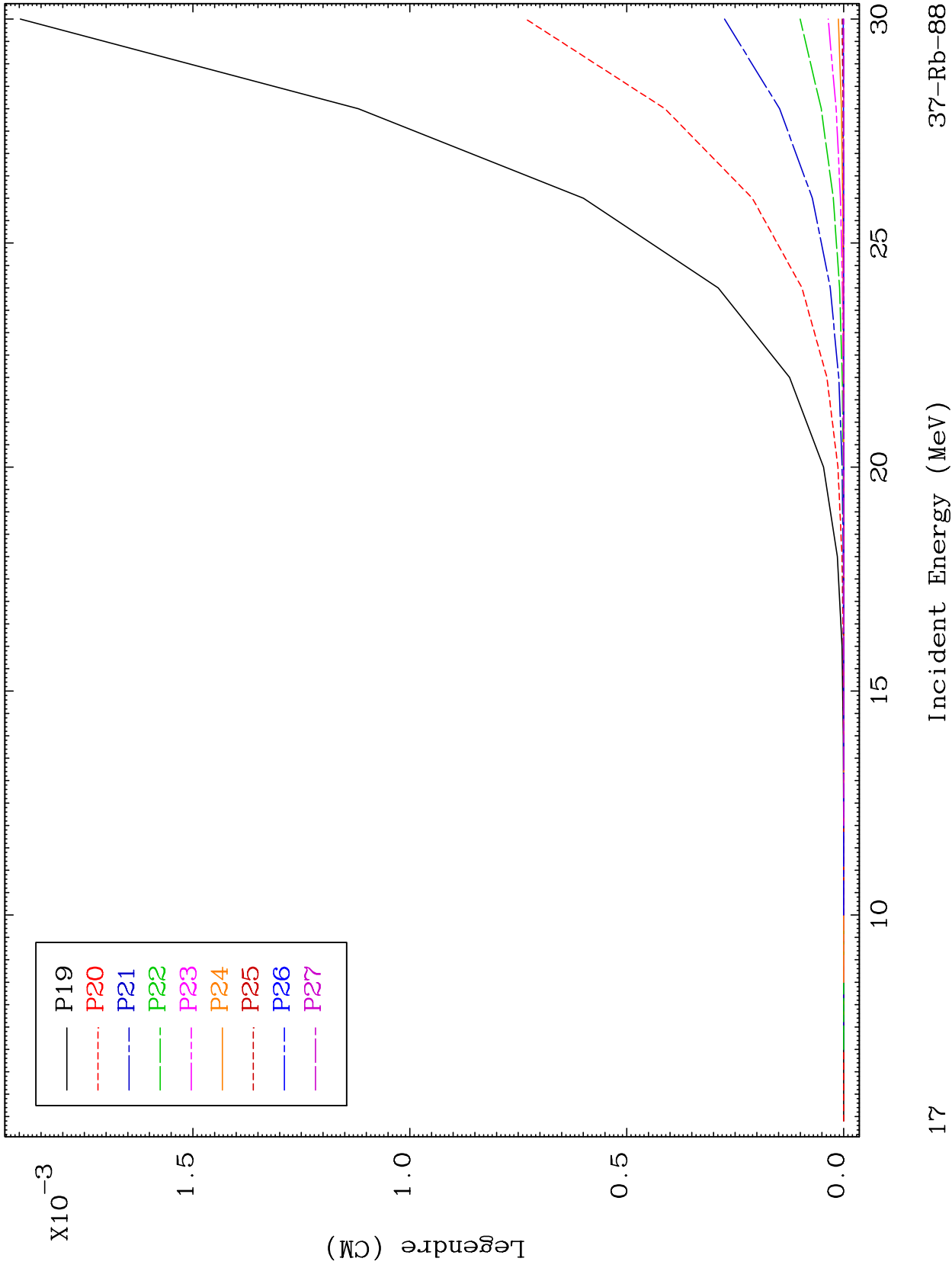
16

37-Rb-88

MAT 3734

### Elastic Legendre Coefficients

37-Rb-88



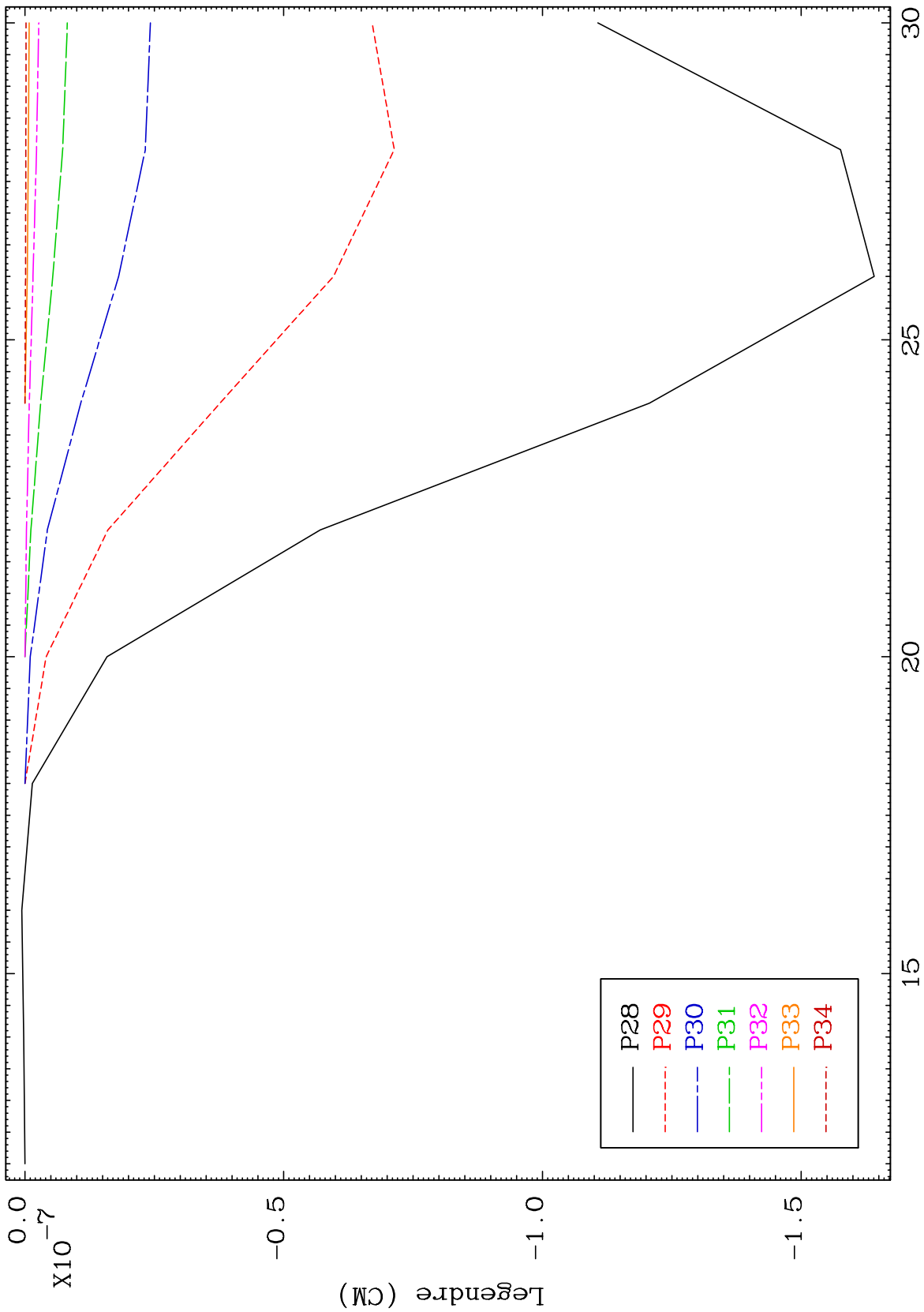
17

37-Rb-88

MAT 3734

37-Rb-88

Elastic Legendre Coefficients



18

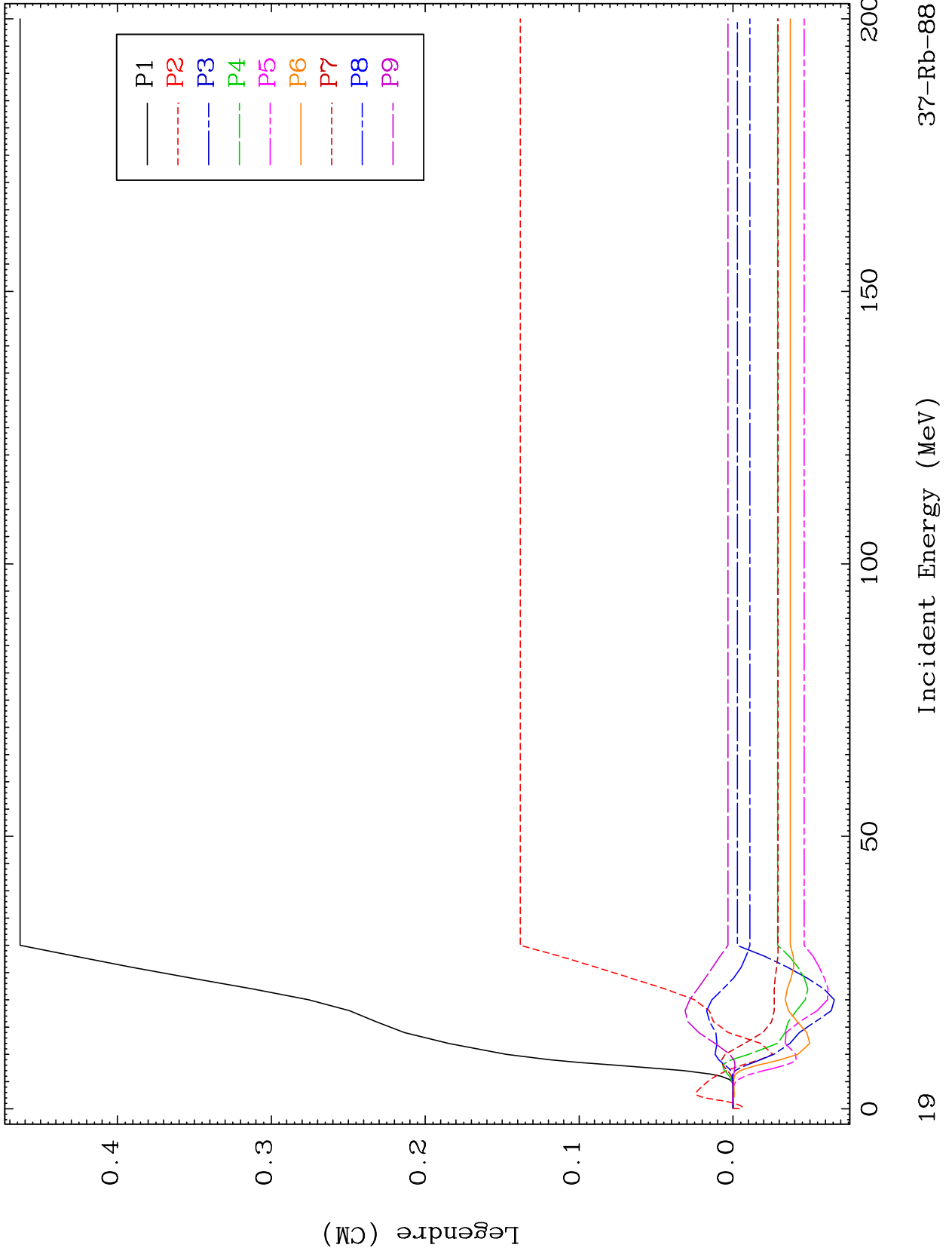
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



19

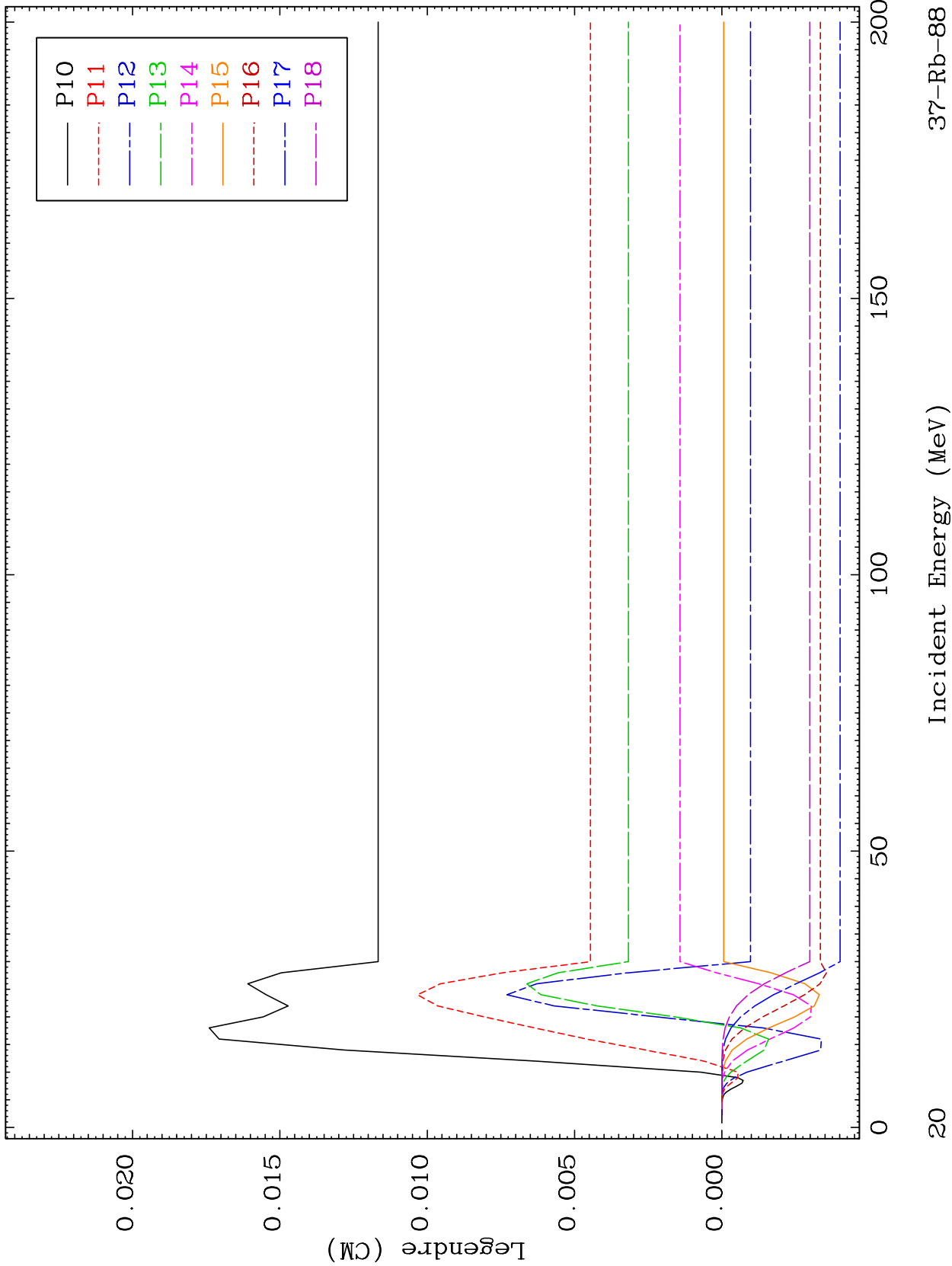
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88

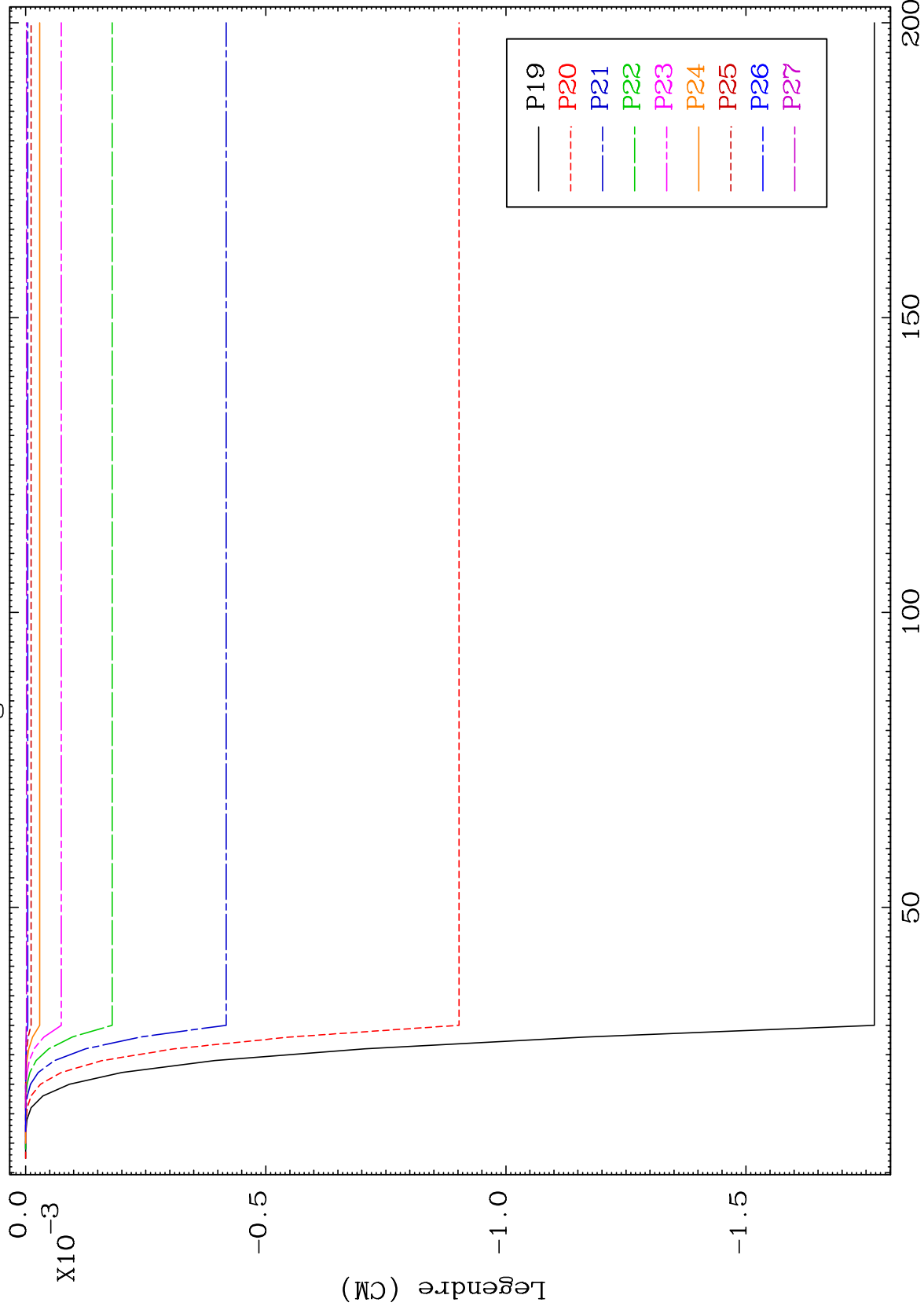


37-Rb-88

Incident Energy (MeV)

20

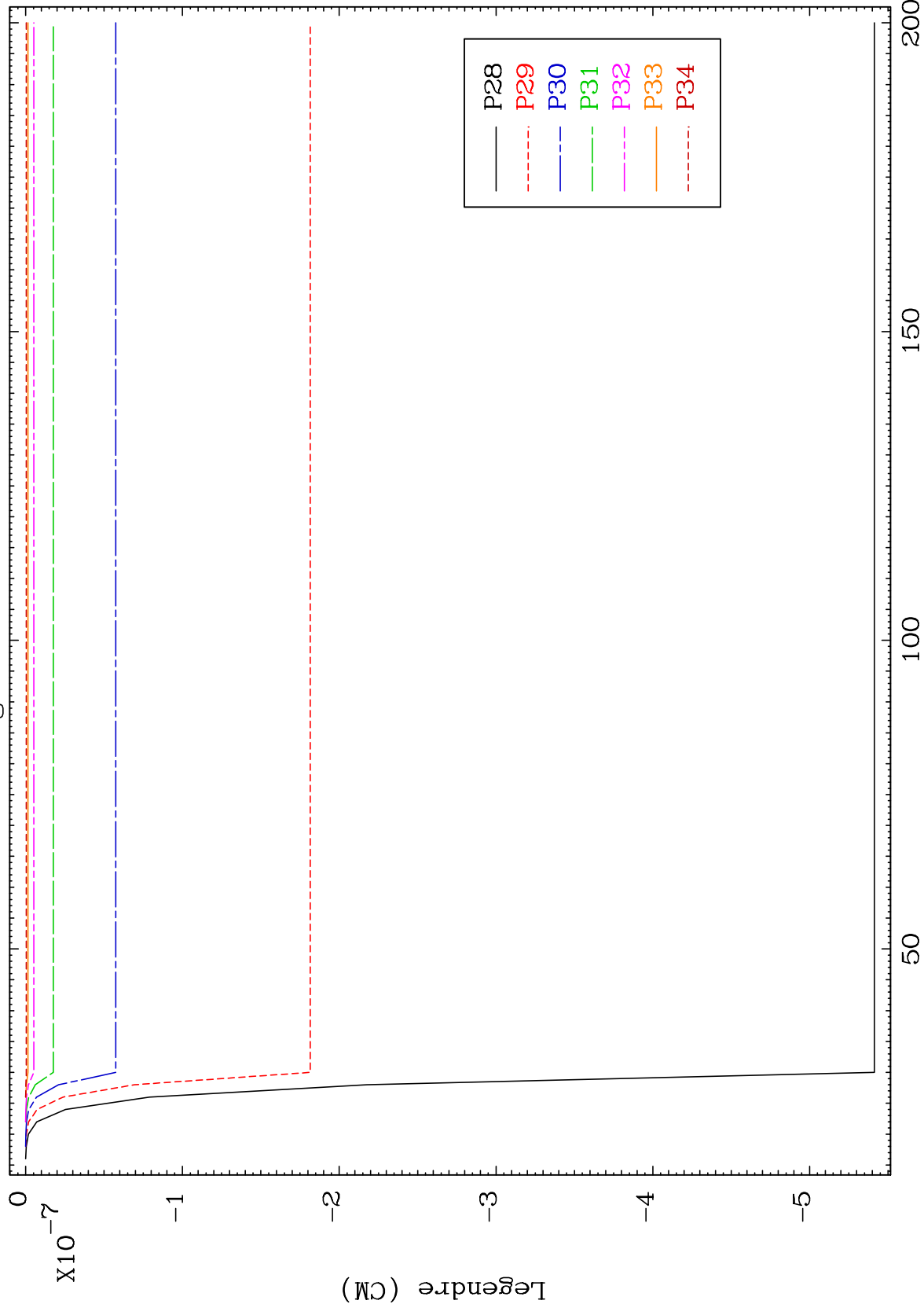
Legendre Coefficients



MAT 3734

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

37-Rb-88



37-Rb-88

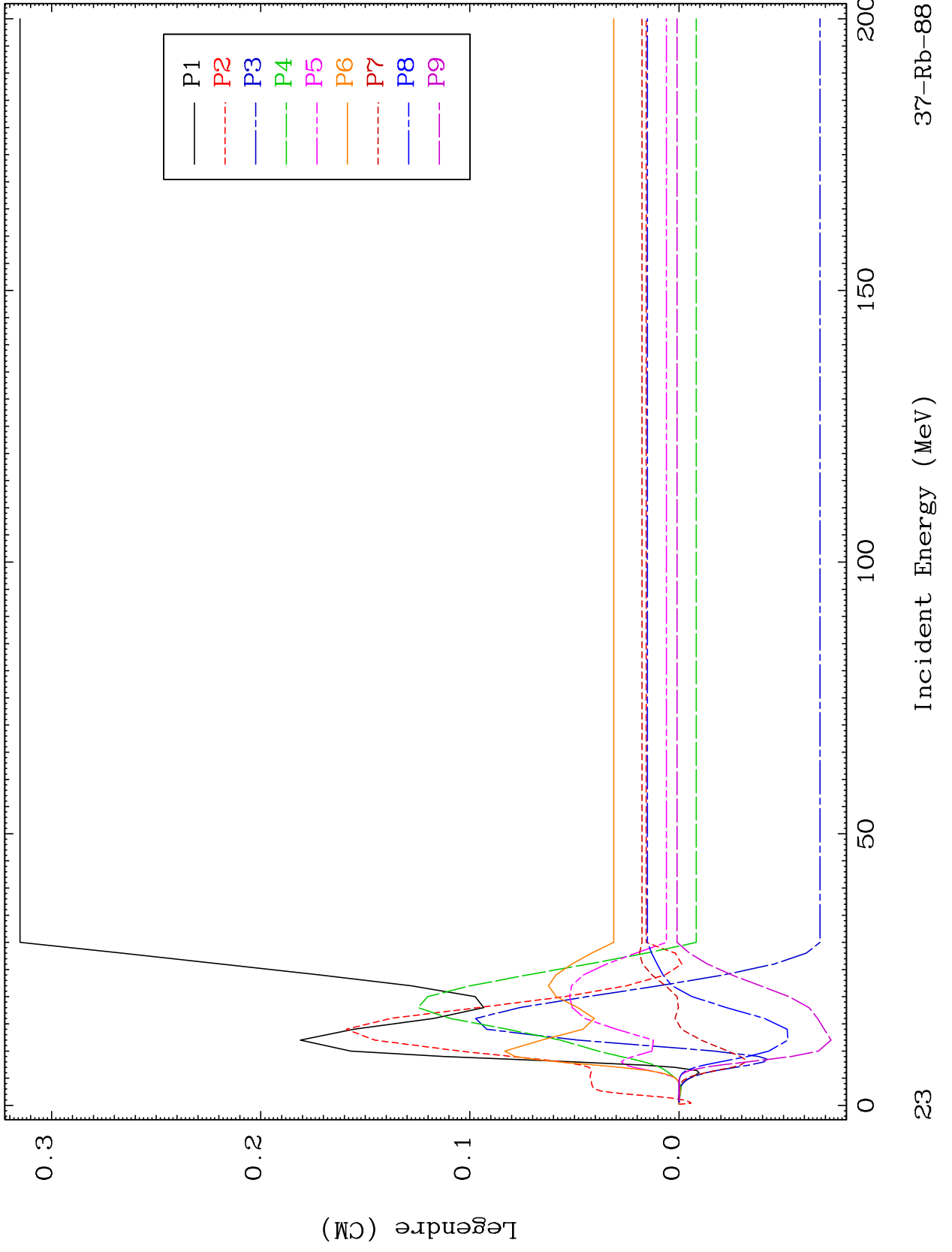
Incident Energy (MeV)

22

MAT 3734

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

37-Rb-88



23

Incident Energy (MeV)

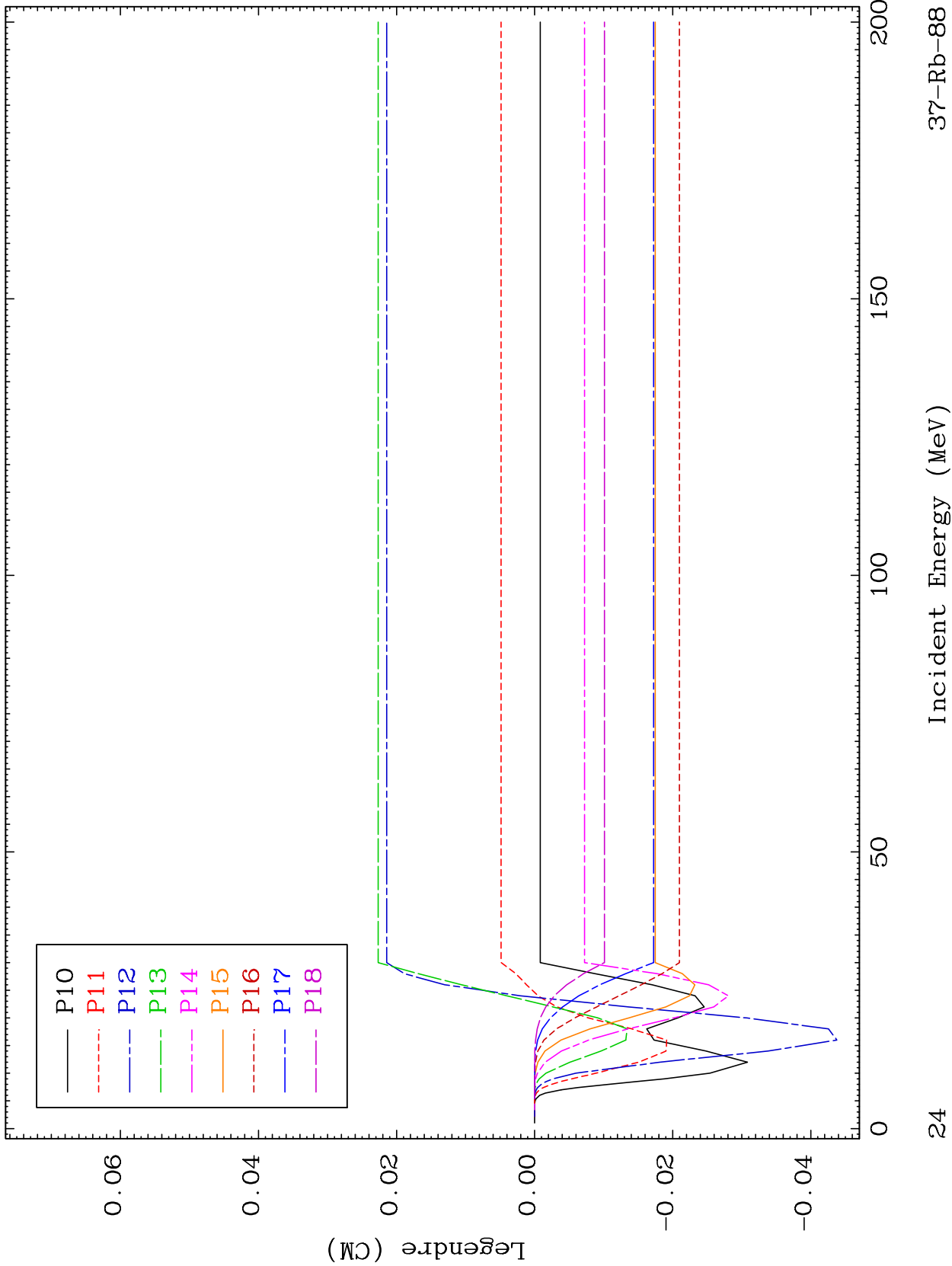
37-Rb-88



MAT 3734

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

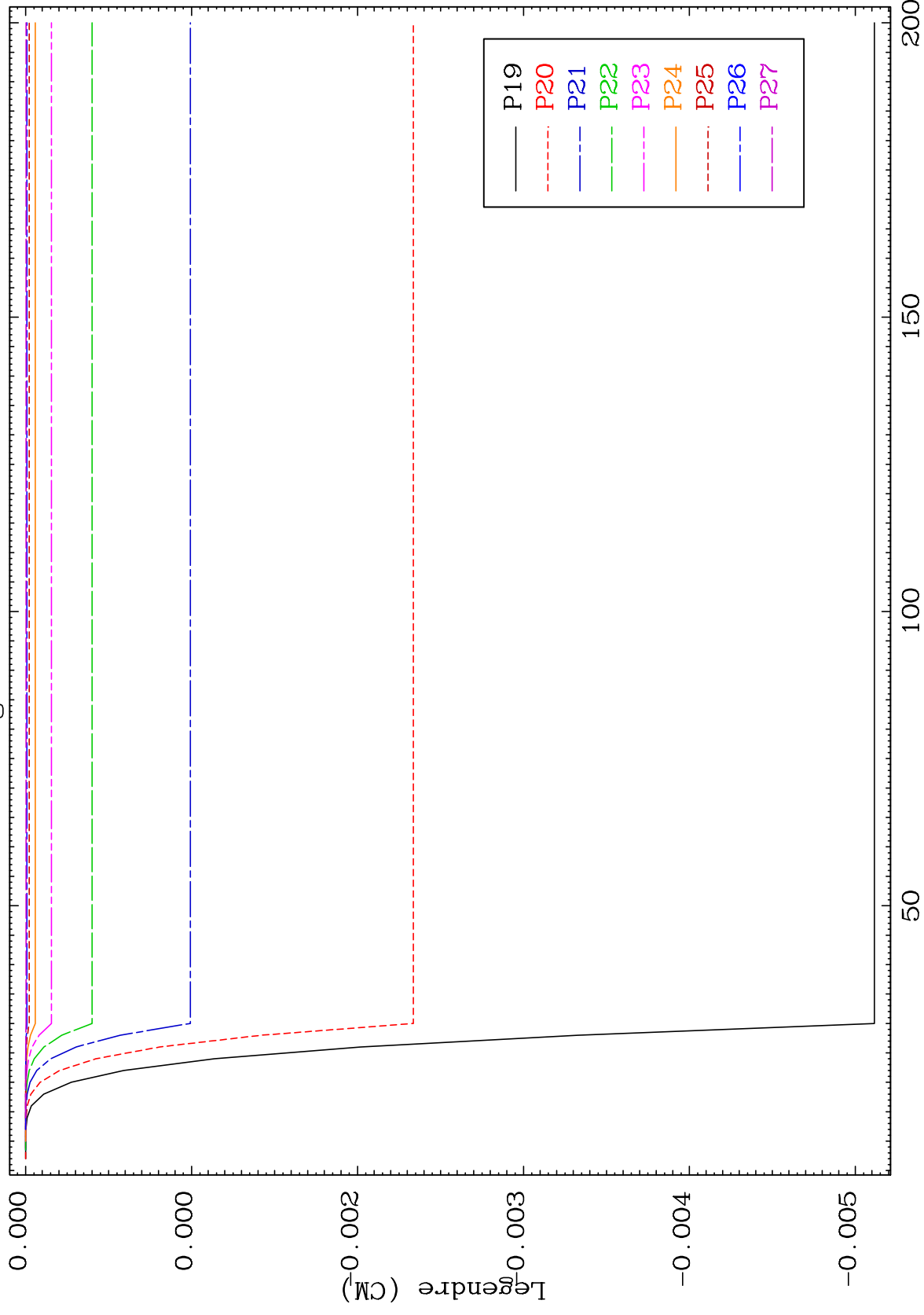
37-Rb-88



24

Incident Energy (MeV)

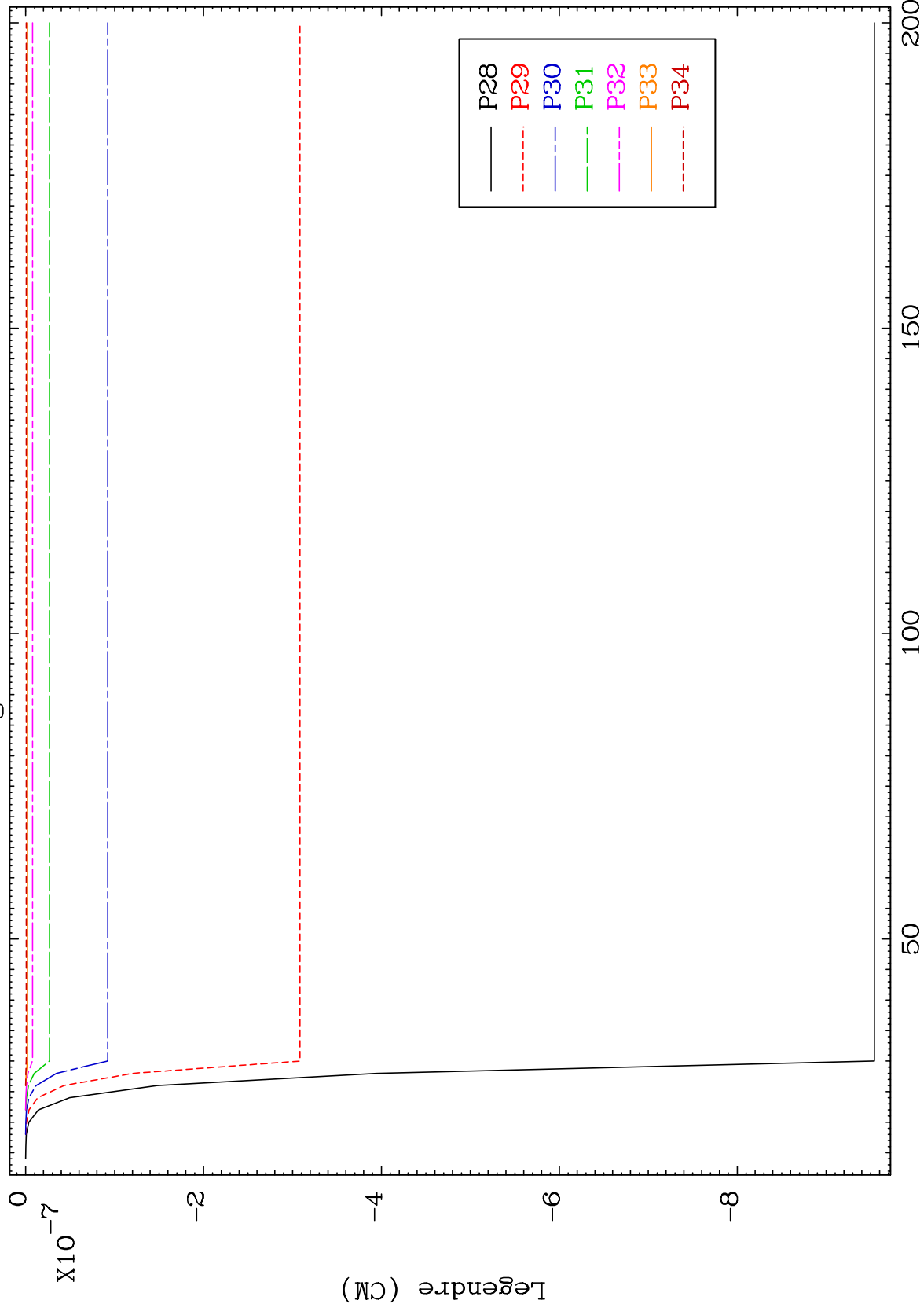
37-Rb-88



MAT 3734

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

37-Rb-88



26

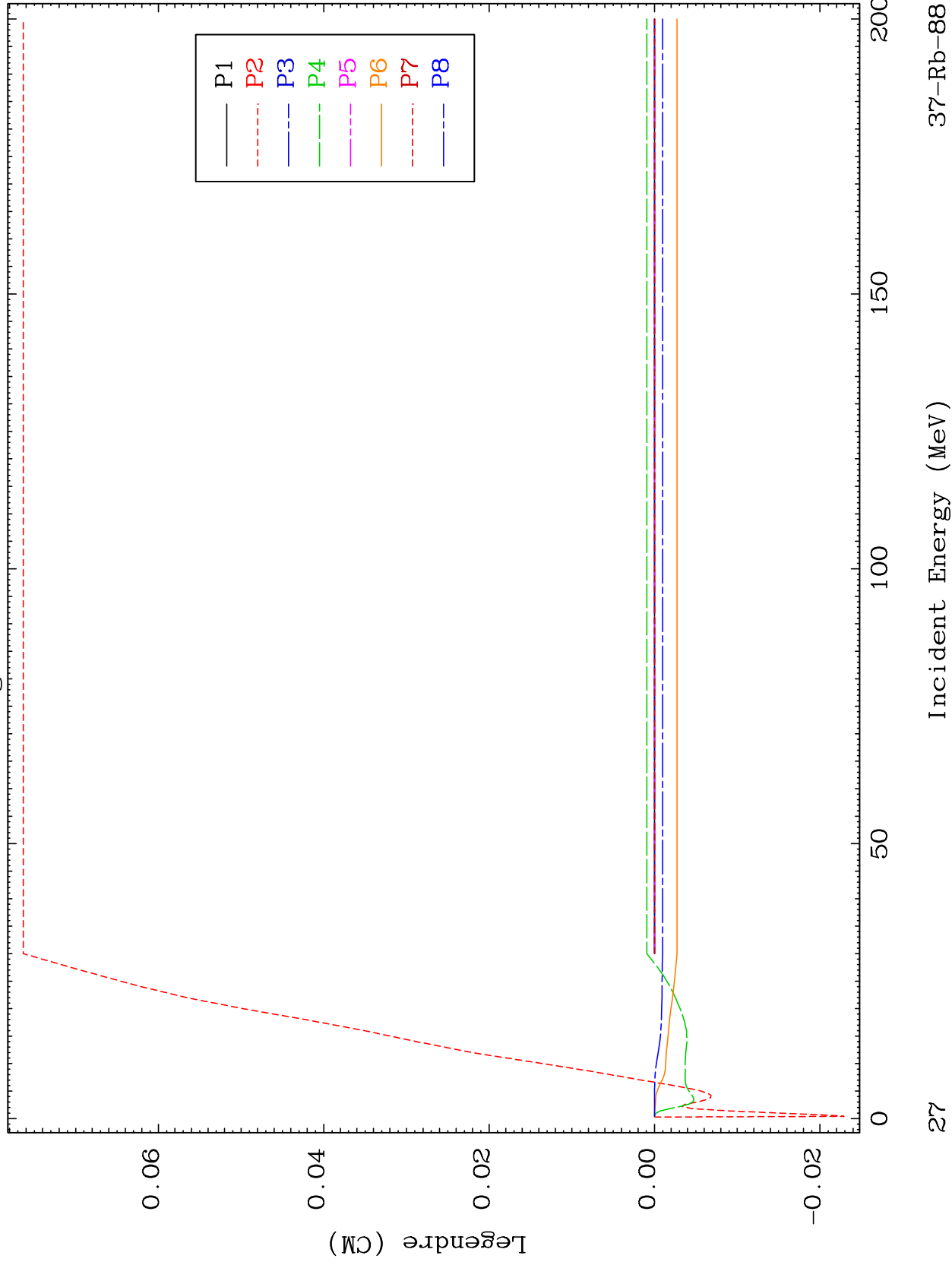
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



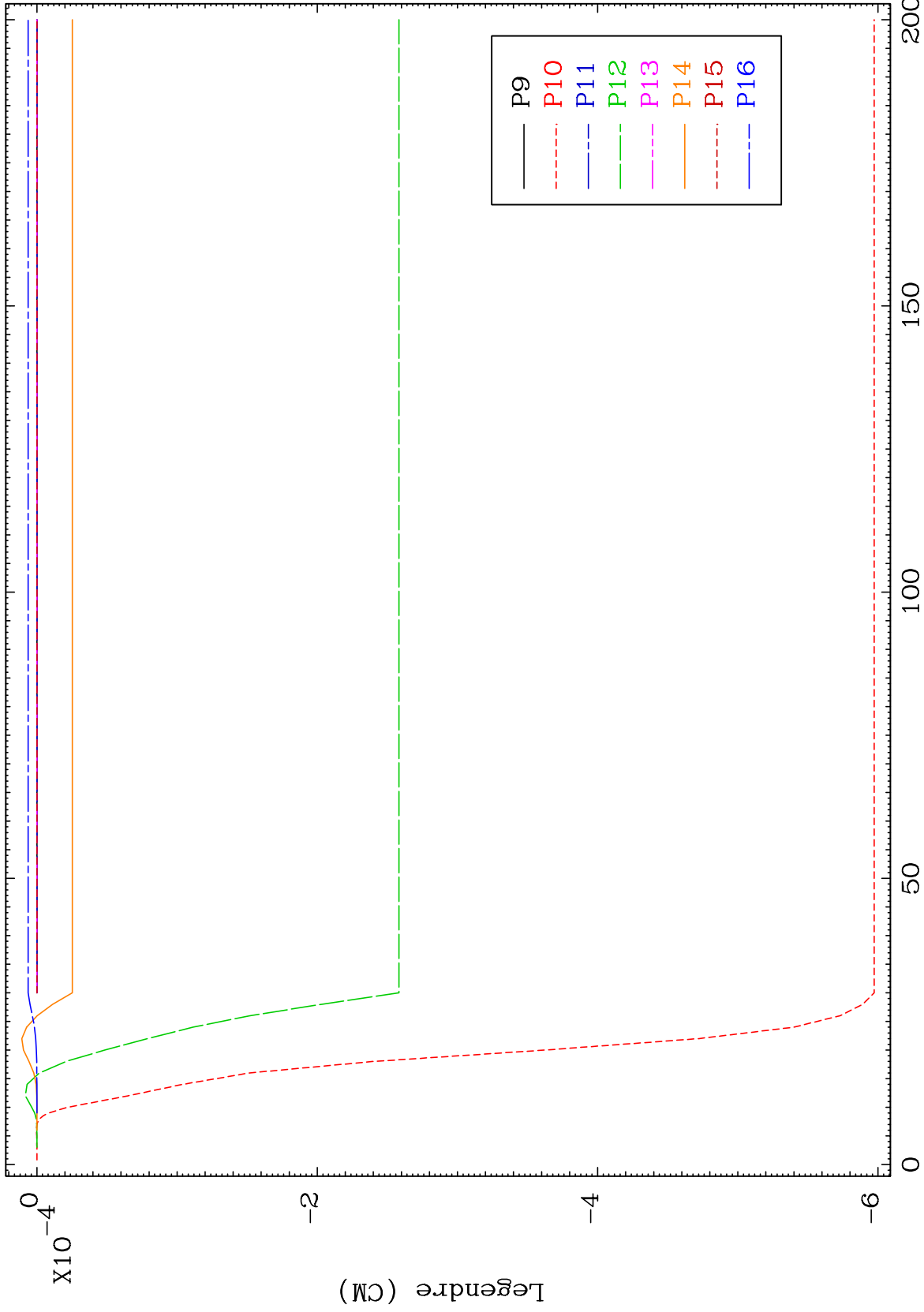
27

37-Rb-88

MAT 3734

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

37-Rb-88



28

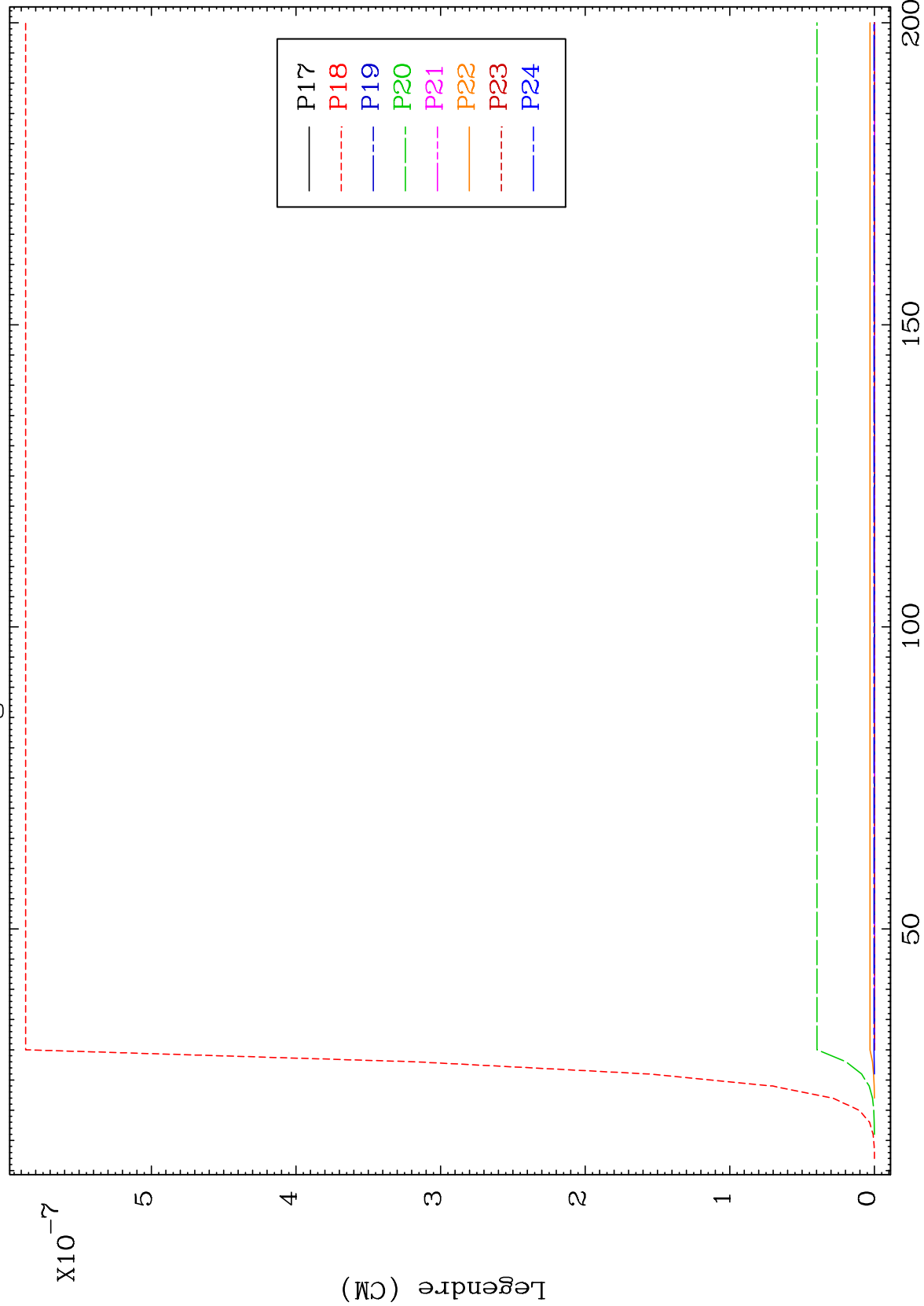
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



29

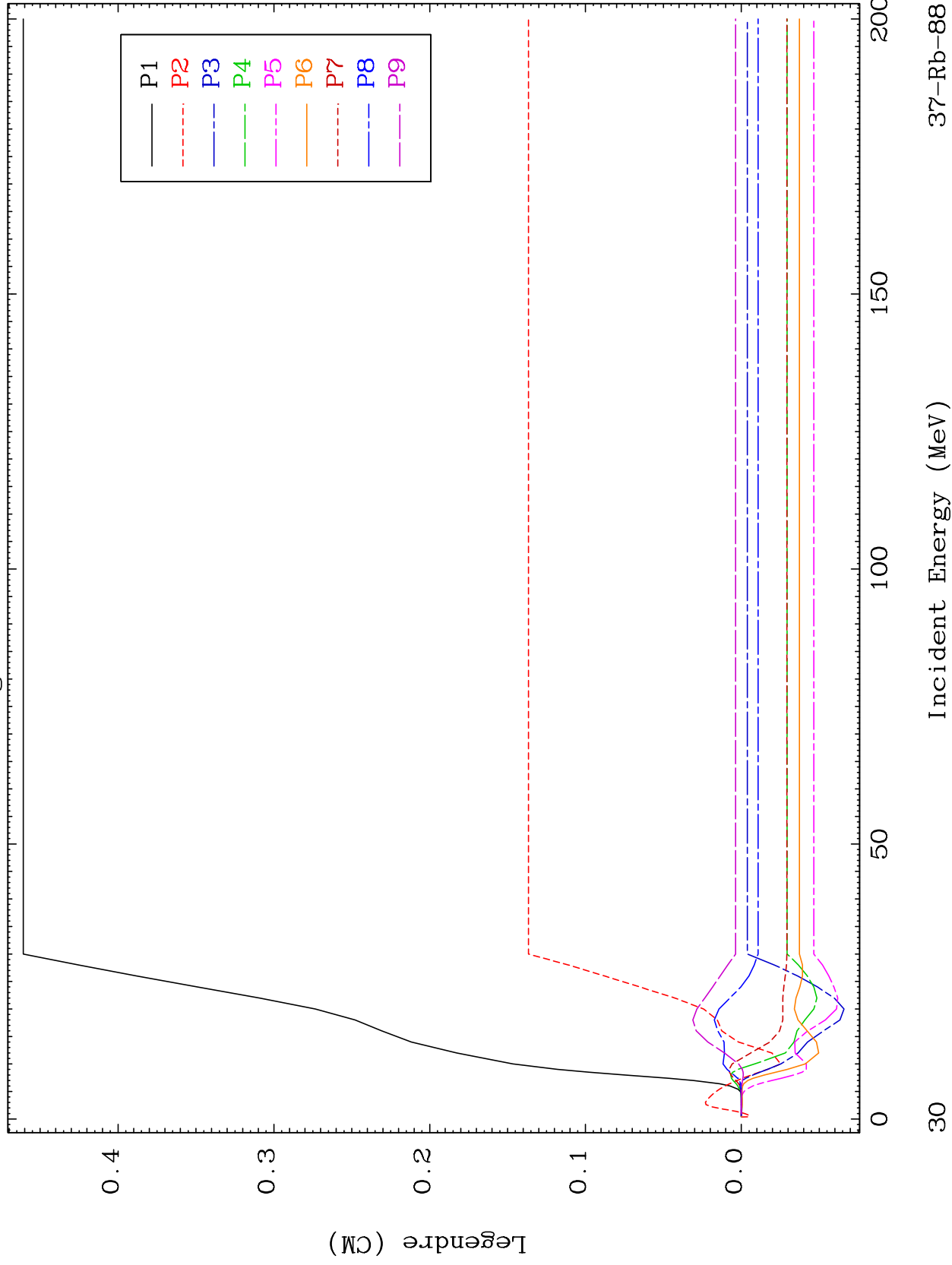
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



37-Rb-88

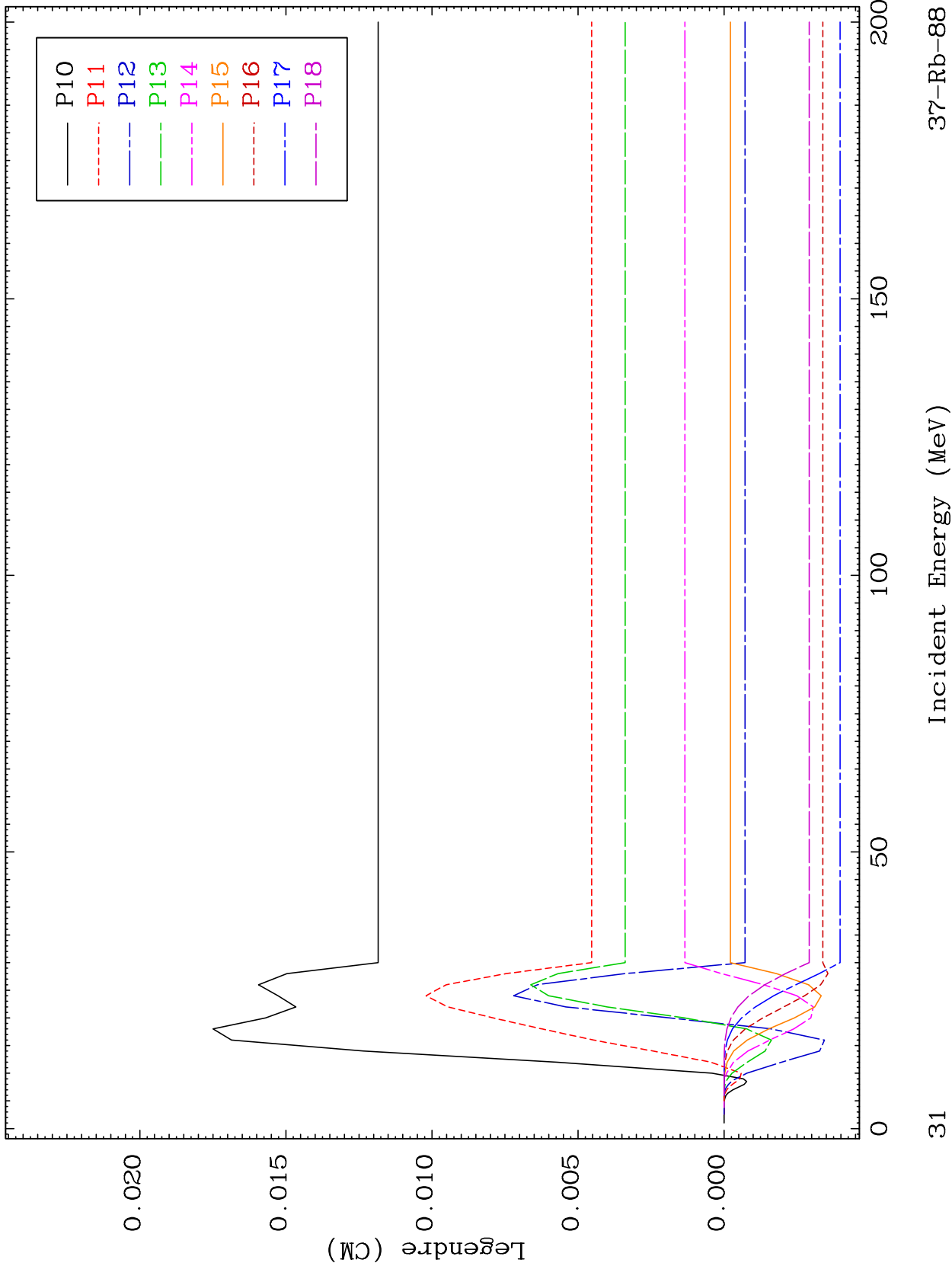
Incident Energy (MeV)

30

MAT 3734

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

37-Rb-88

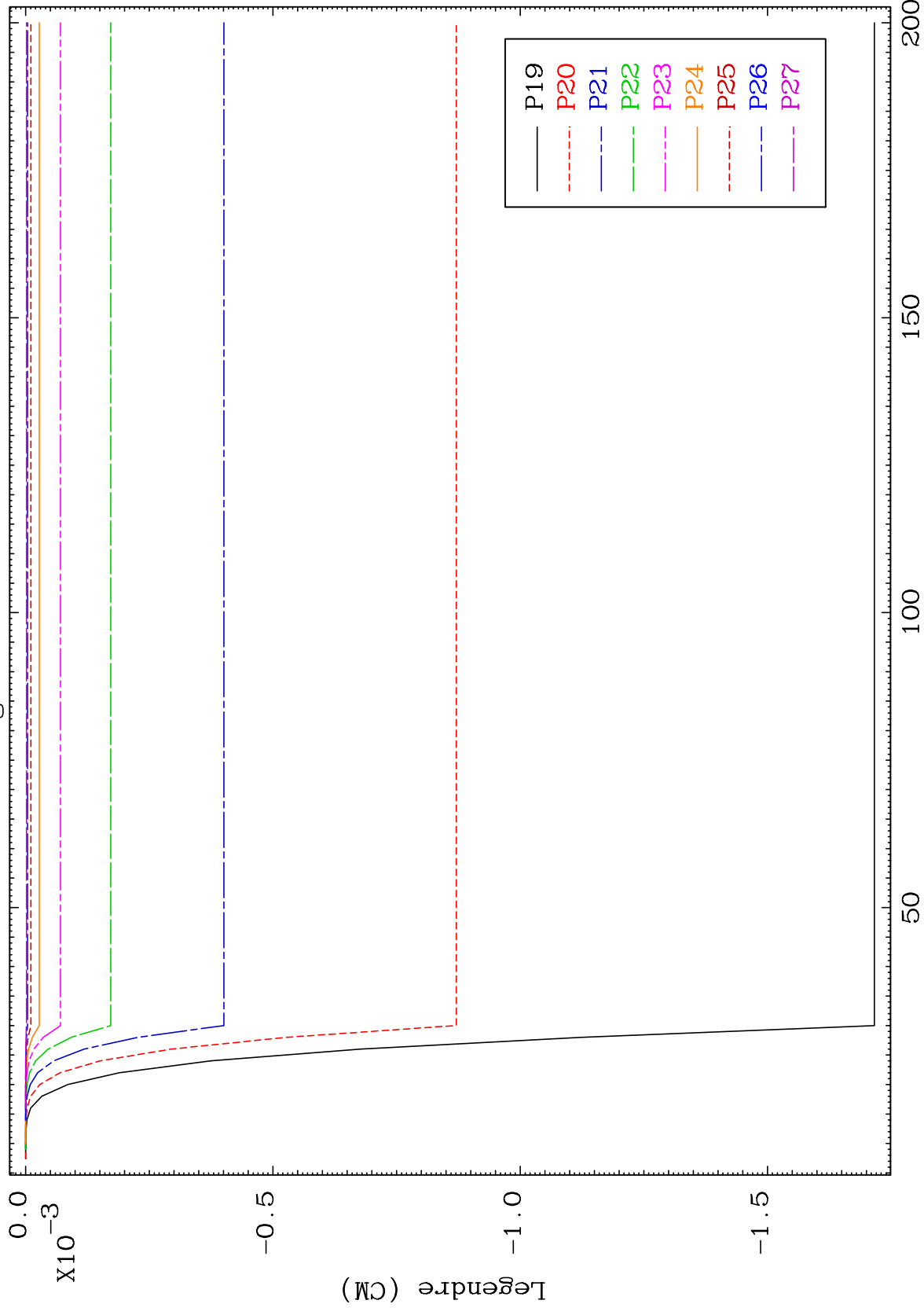


31

Incident Energy (MeV)

37-Rb-88

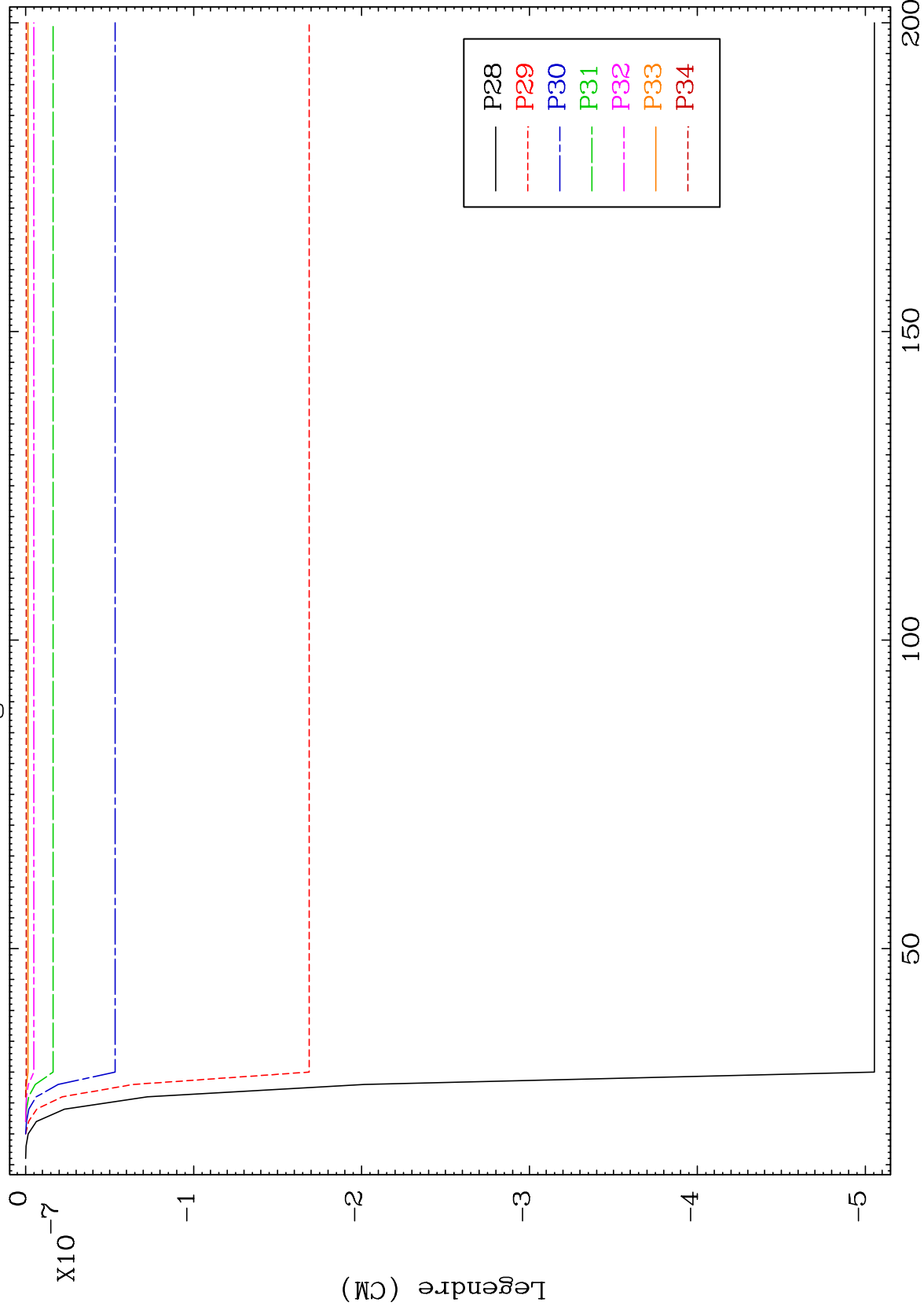




MAT 3734

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

37-Rb-88



33

Incident Energy (MeV)

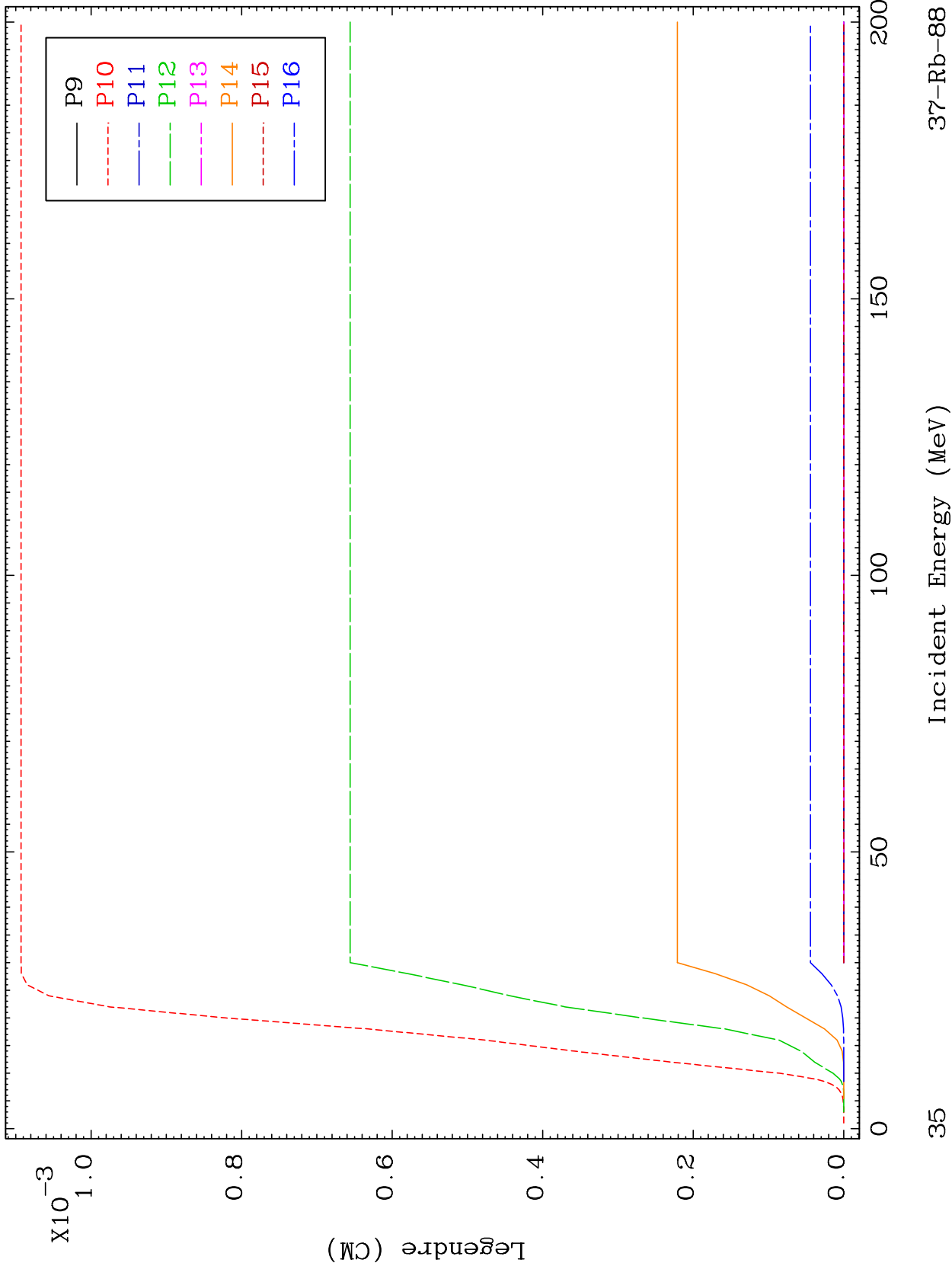
37-Rb-88



MAT 3734

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

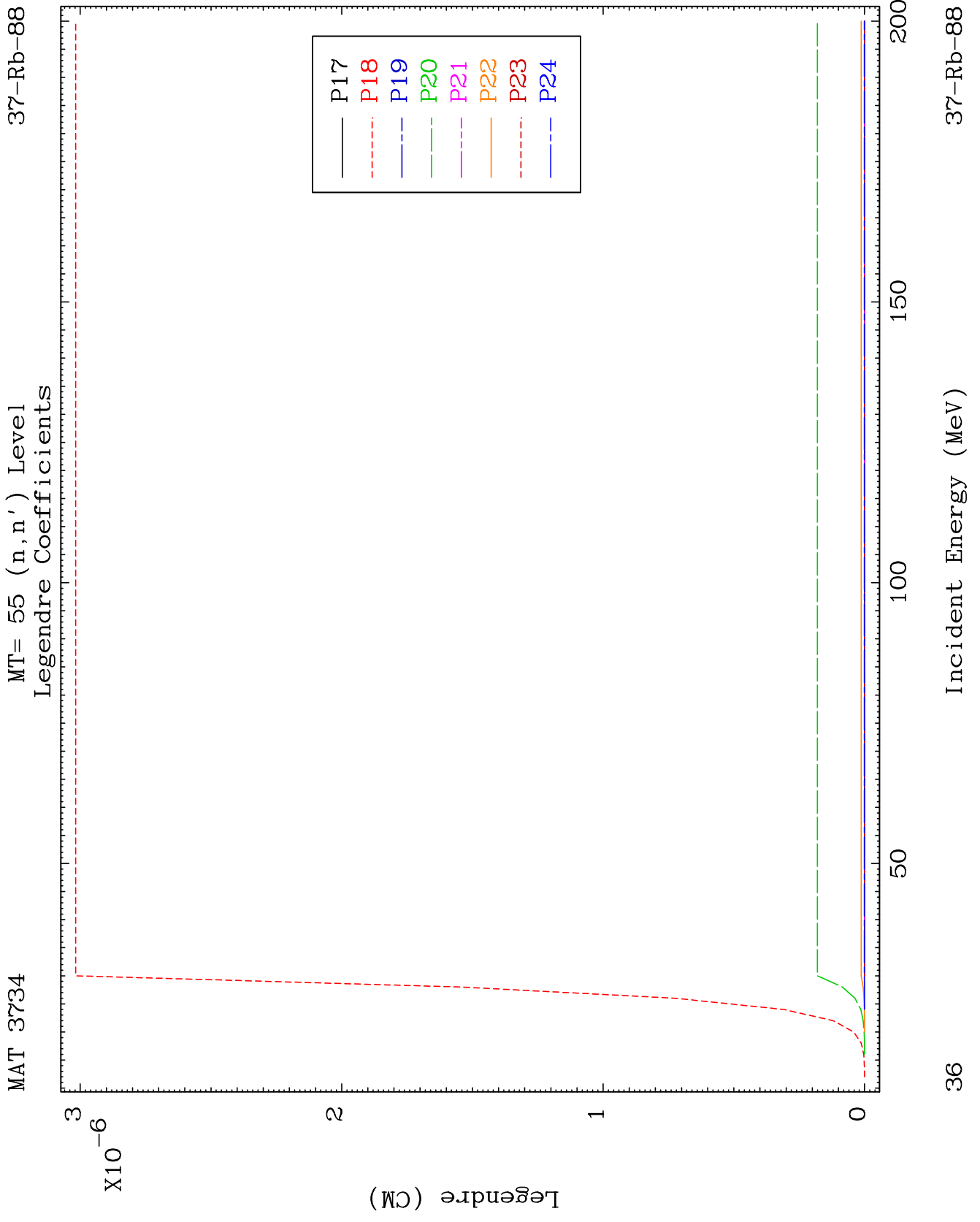
37-Rb-88



37-Rb-88

Incident Energy (MeV)

35

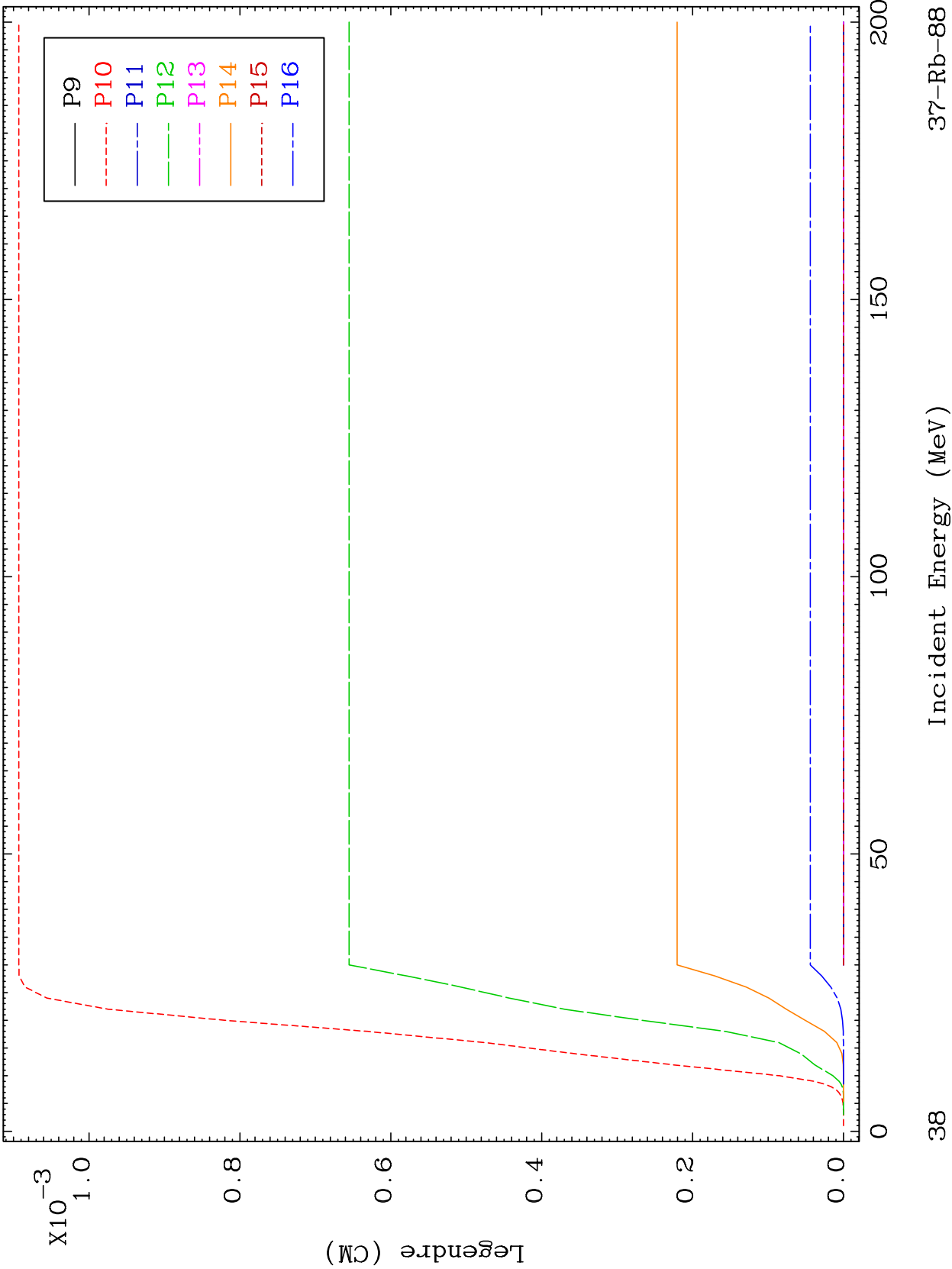




MAT 3734

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

37-Rb-88



38

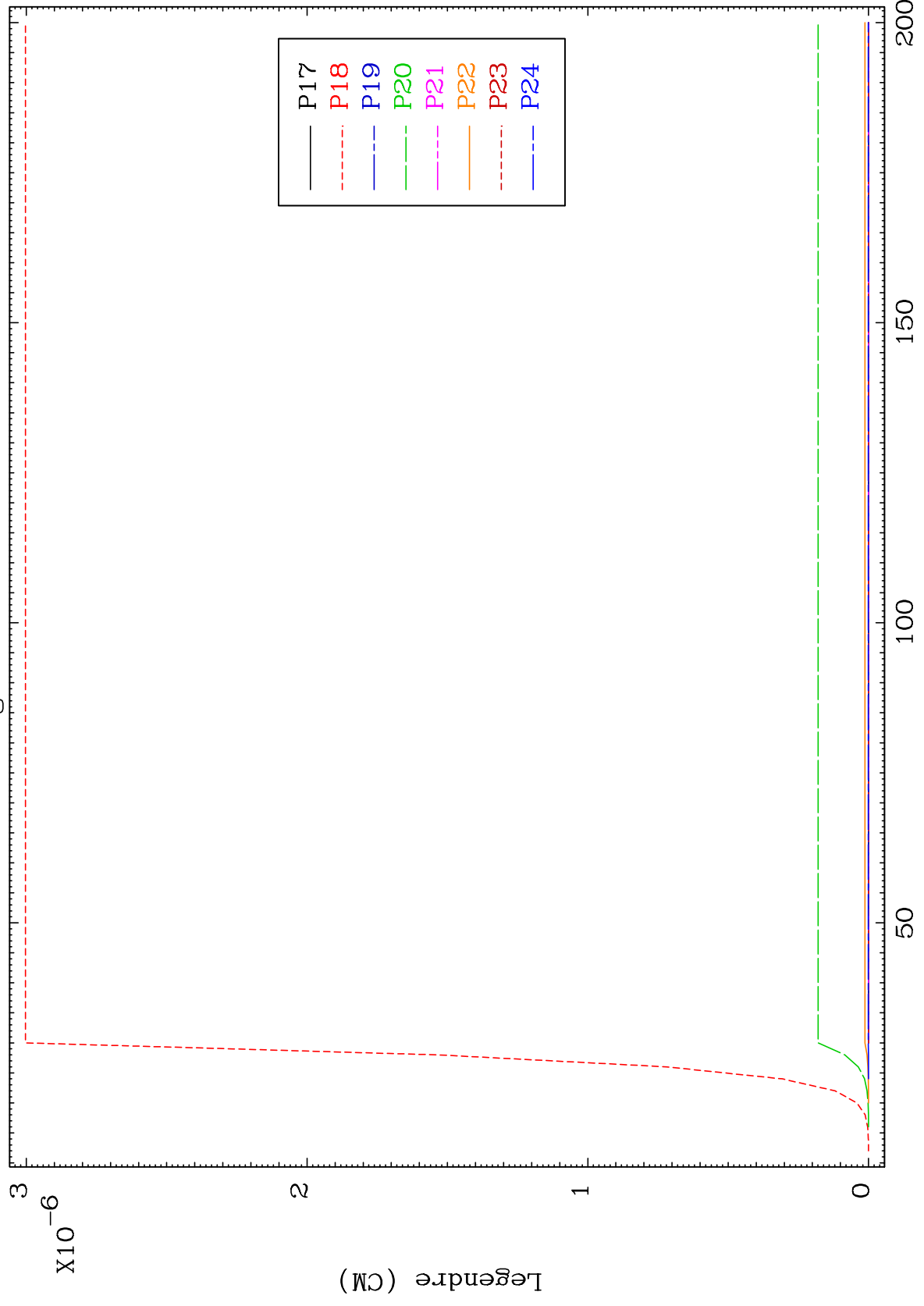
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



39

Incident Energy (MeV)

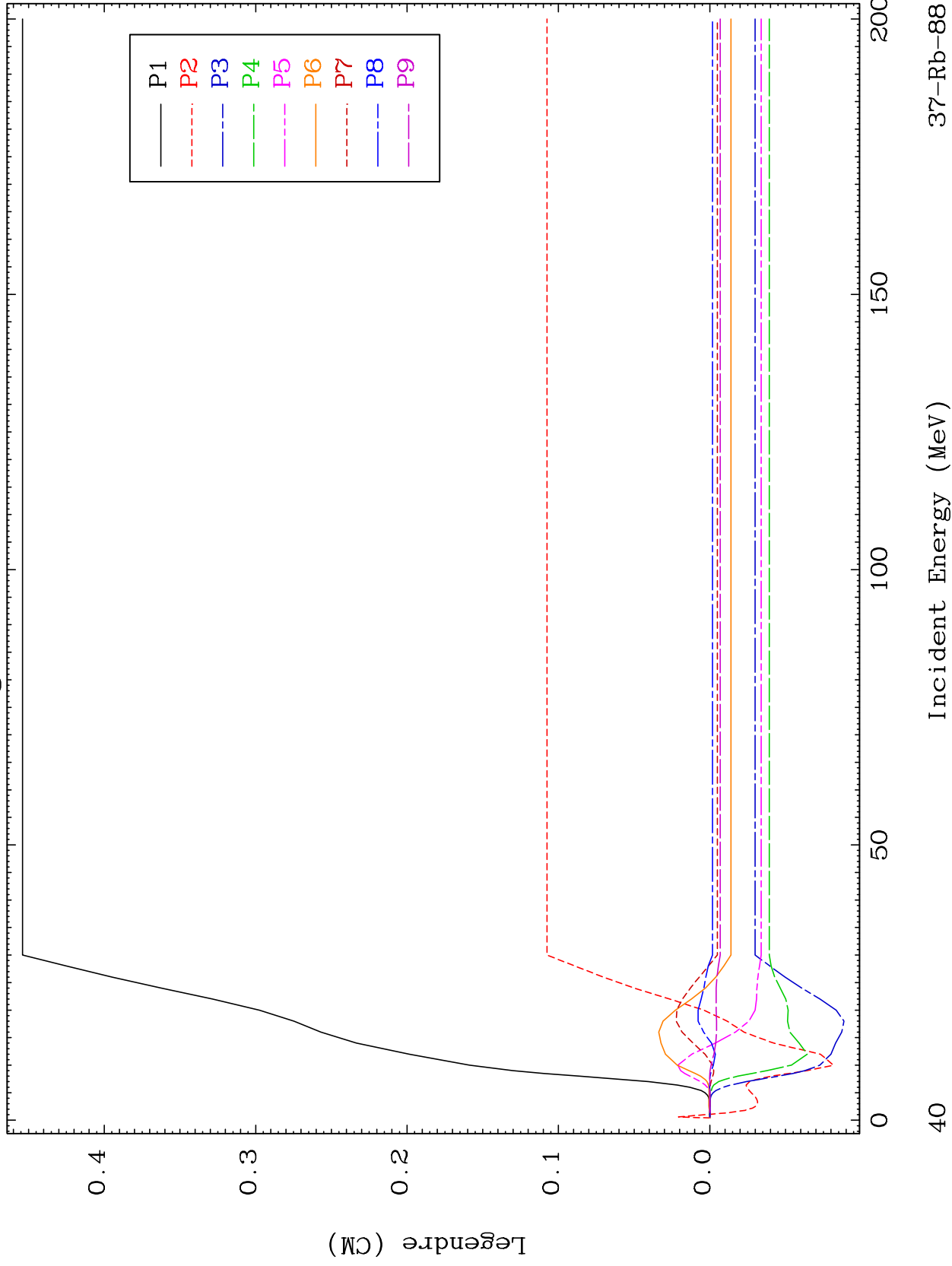
37-Rb-88



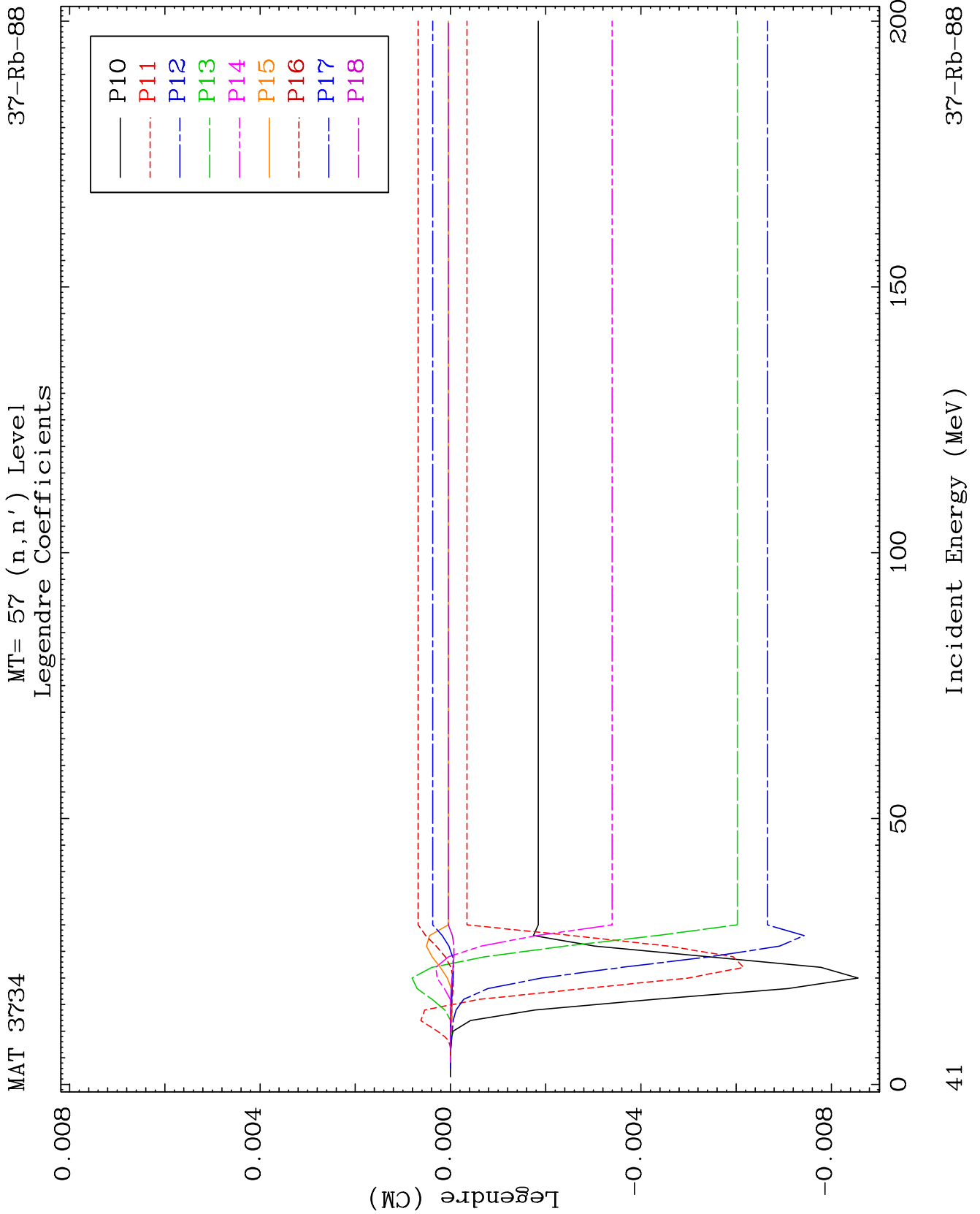
MAT 3734

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

37-Rb-88



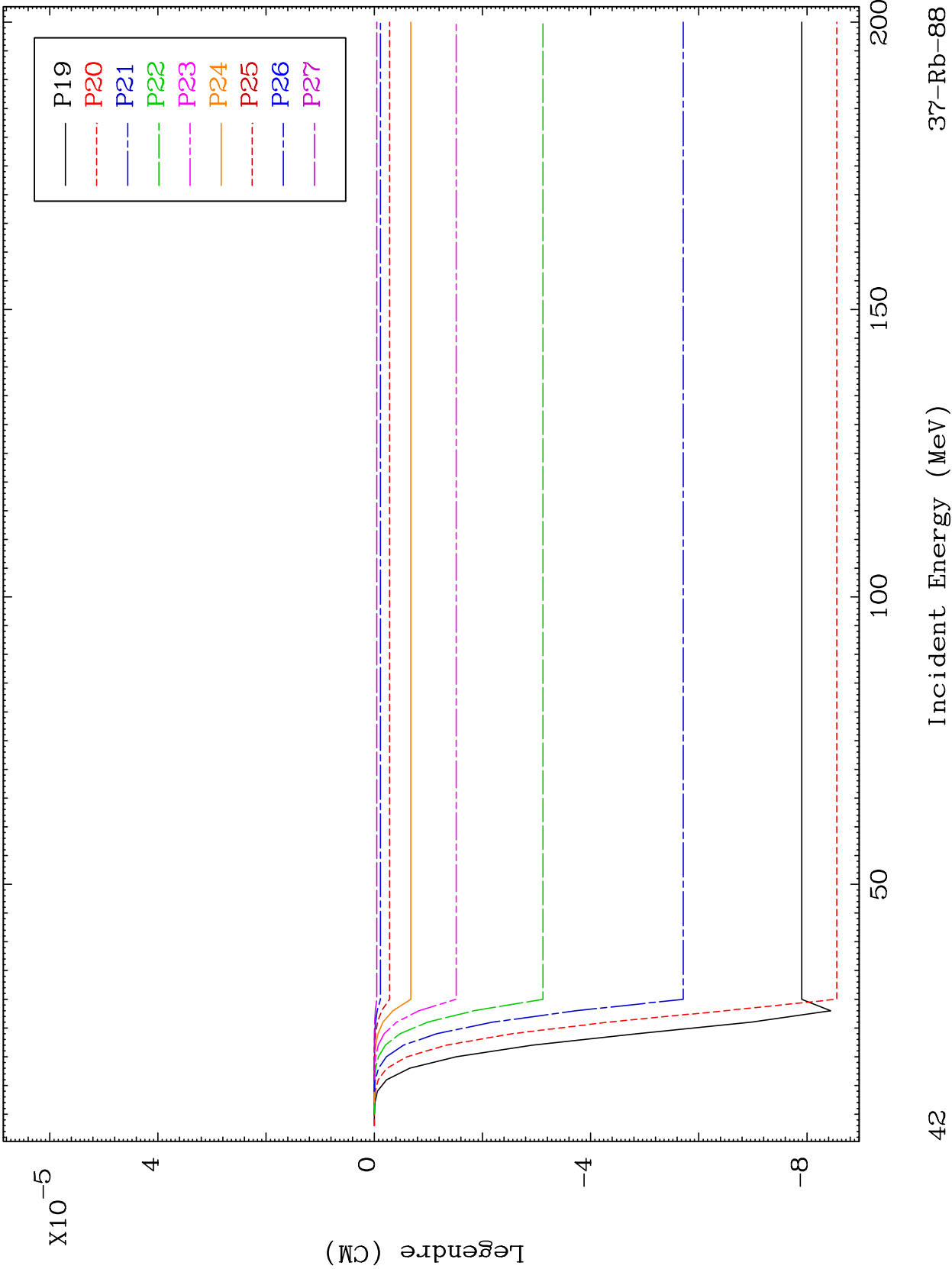
37-Rb-88



MAT 3734

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

37-Rb-88



42

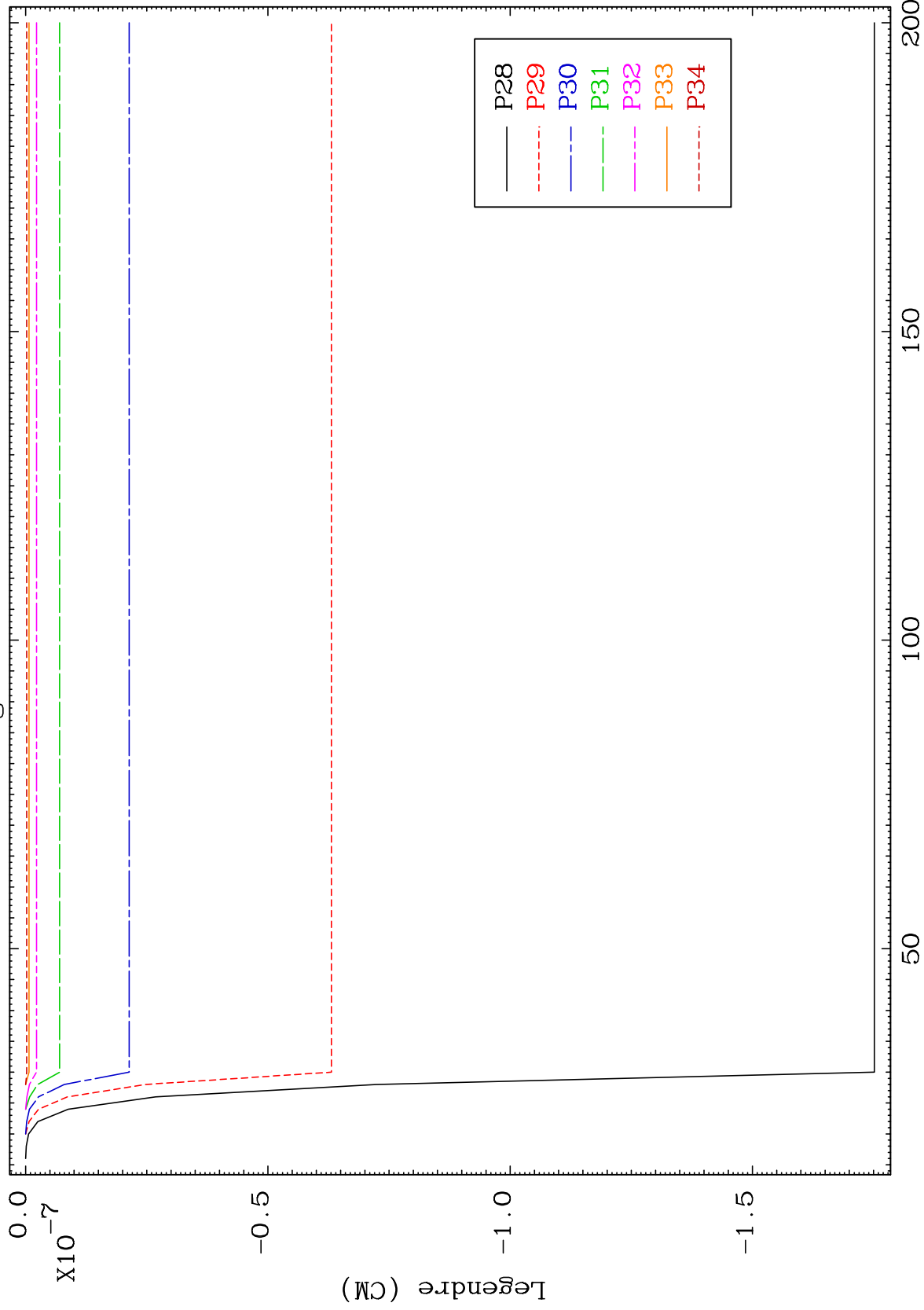
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



43

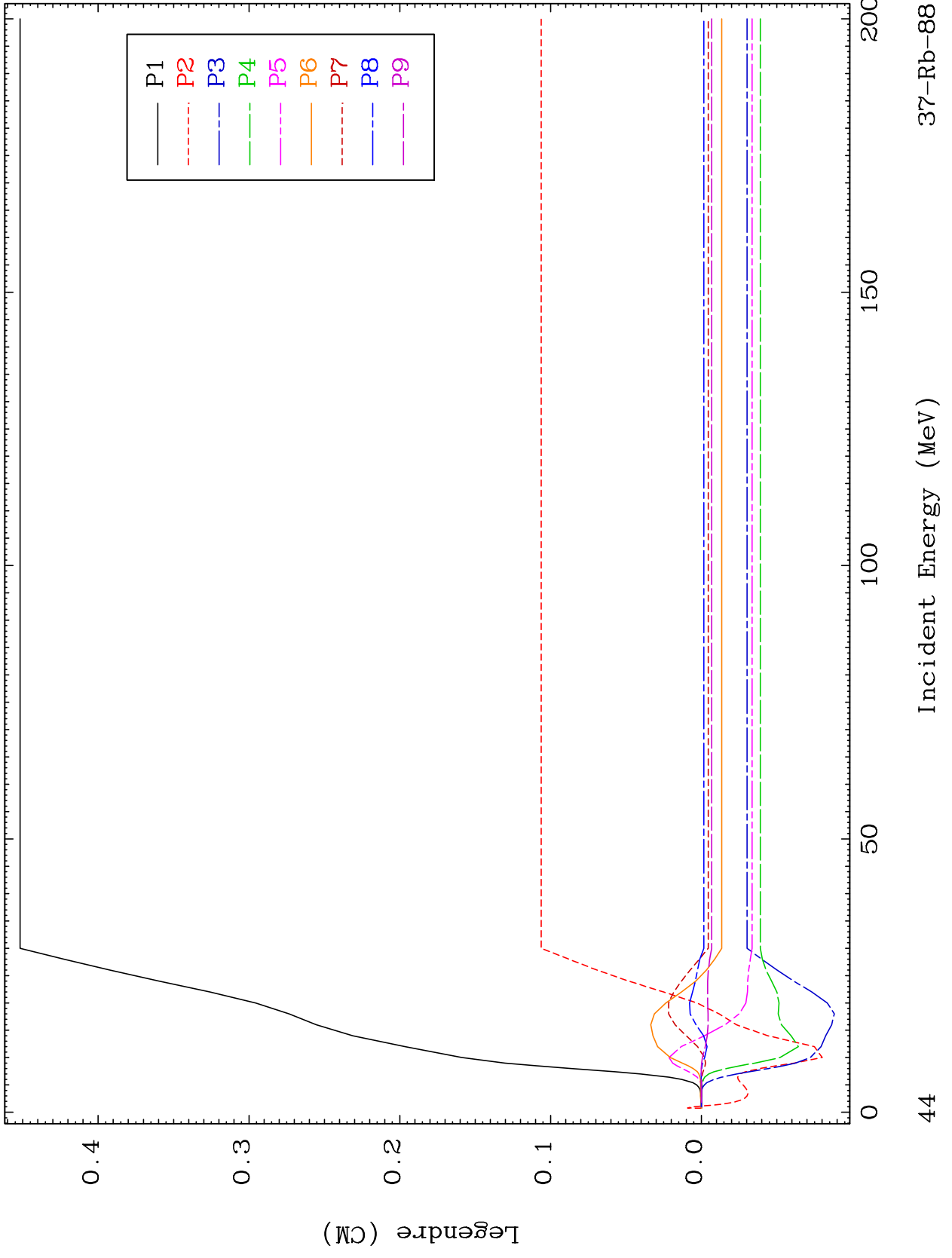
Incident Energy (MeV)

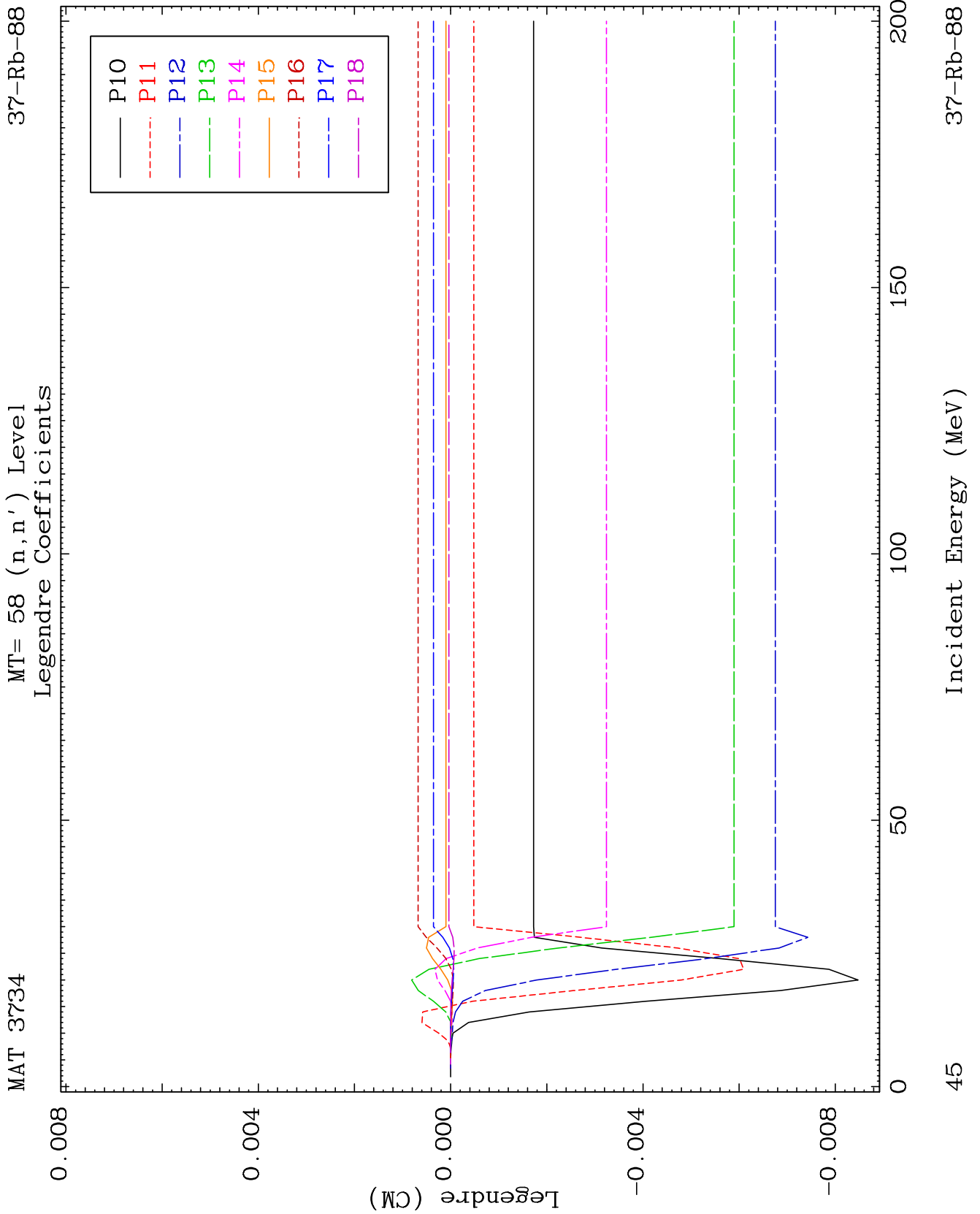
37-Rb-88

MAT 3734

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

37-Rb-88

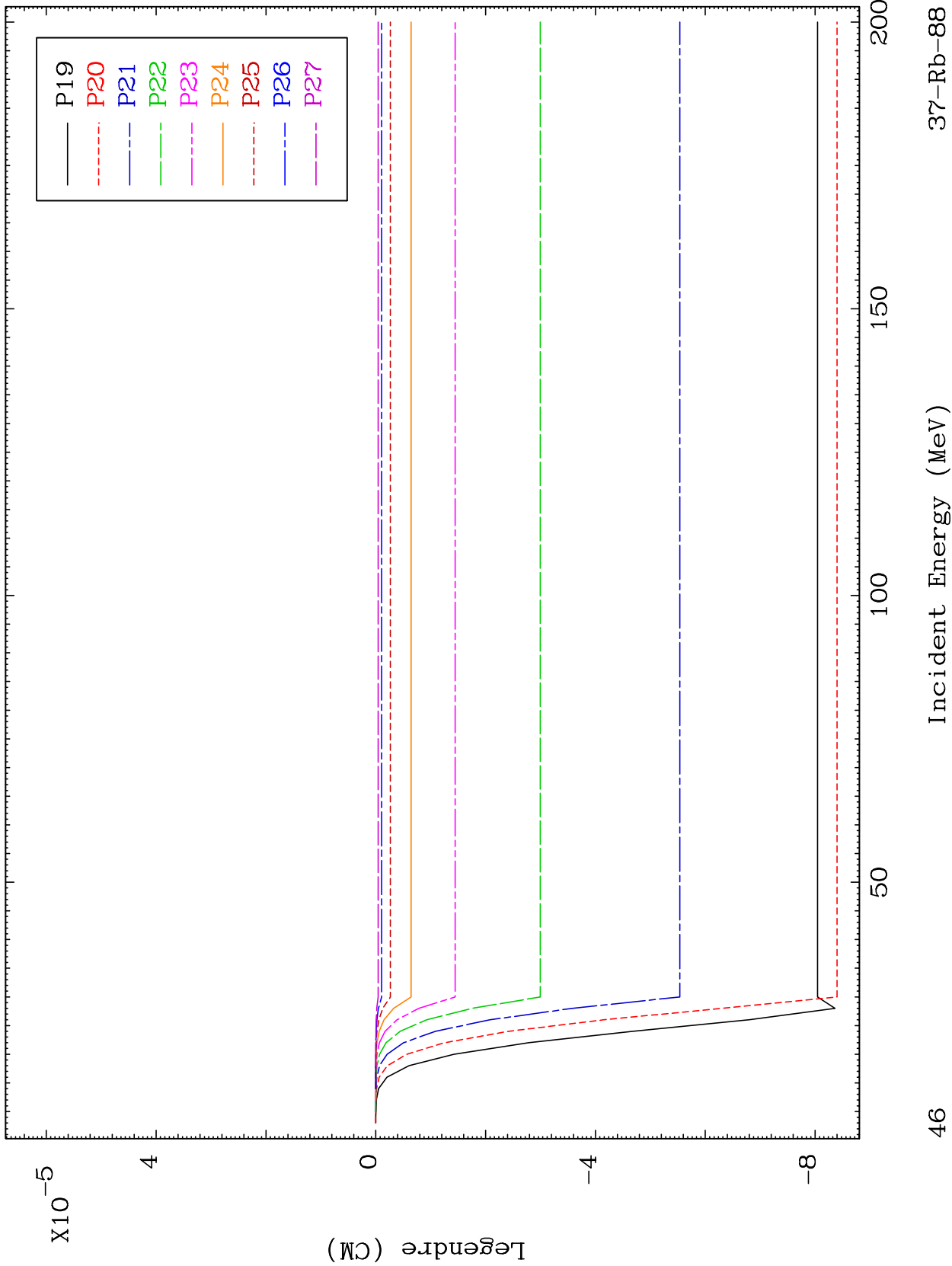




MAT 3734

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

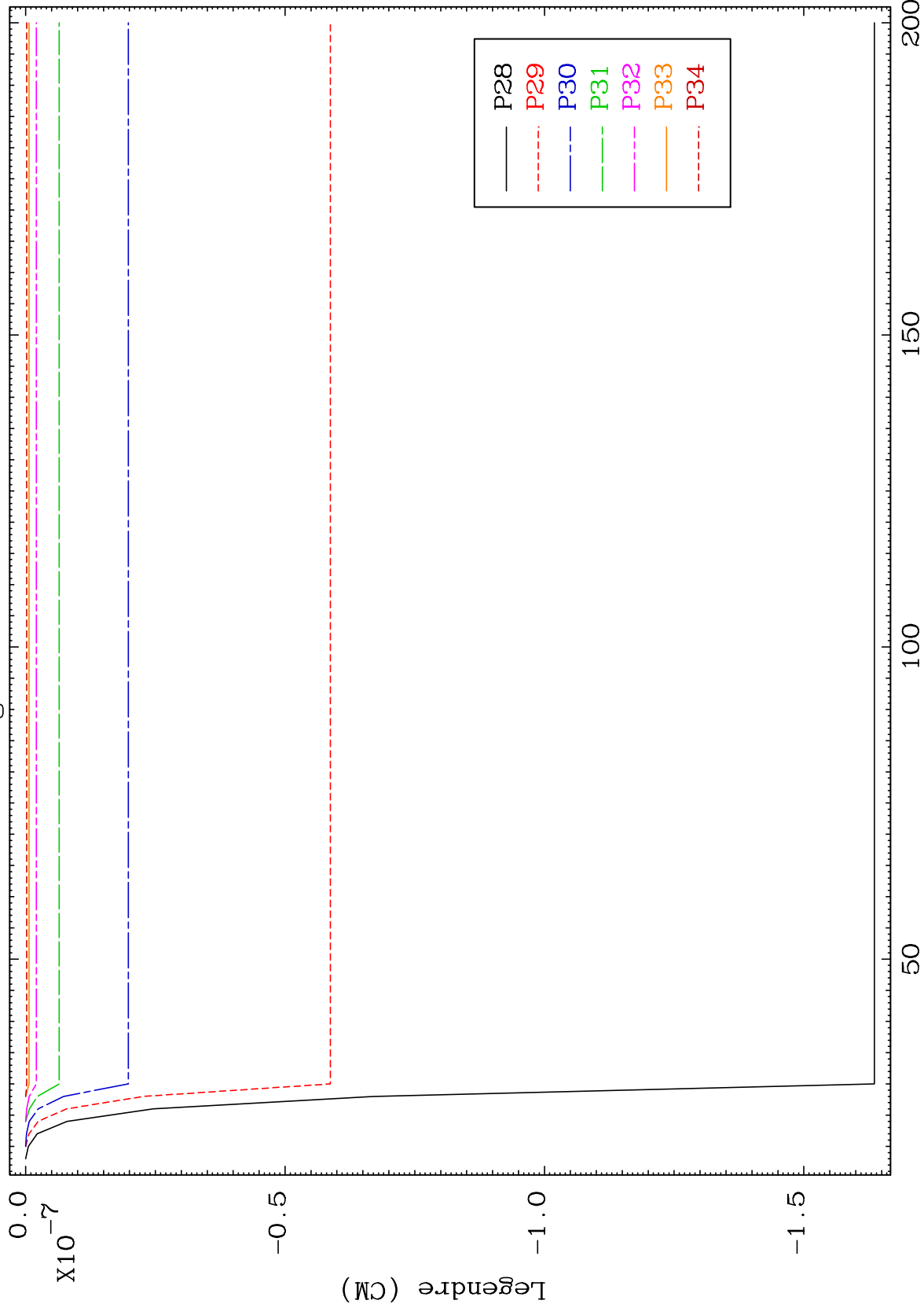
37-Rb-88



MAT 3734

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

37-Rb-88



37-Rb-88

Incident Energy (MeV)

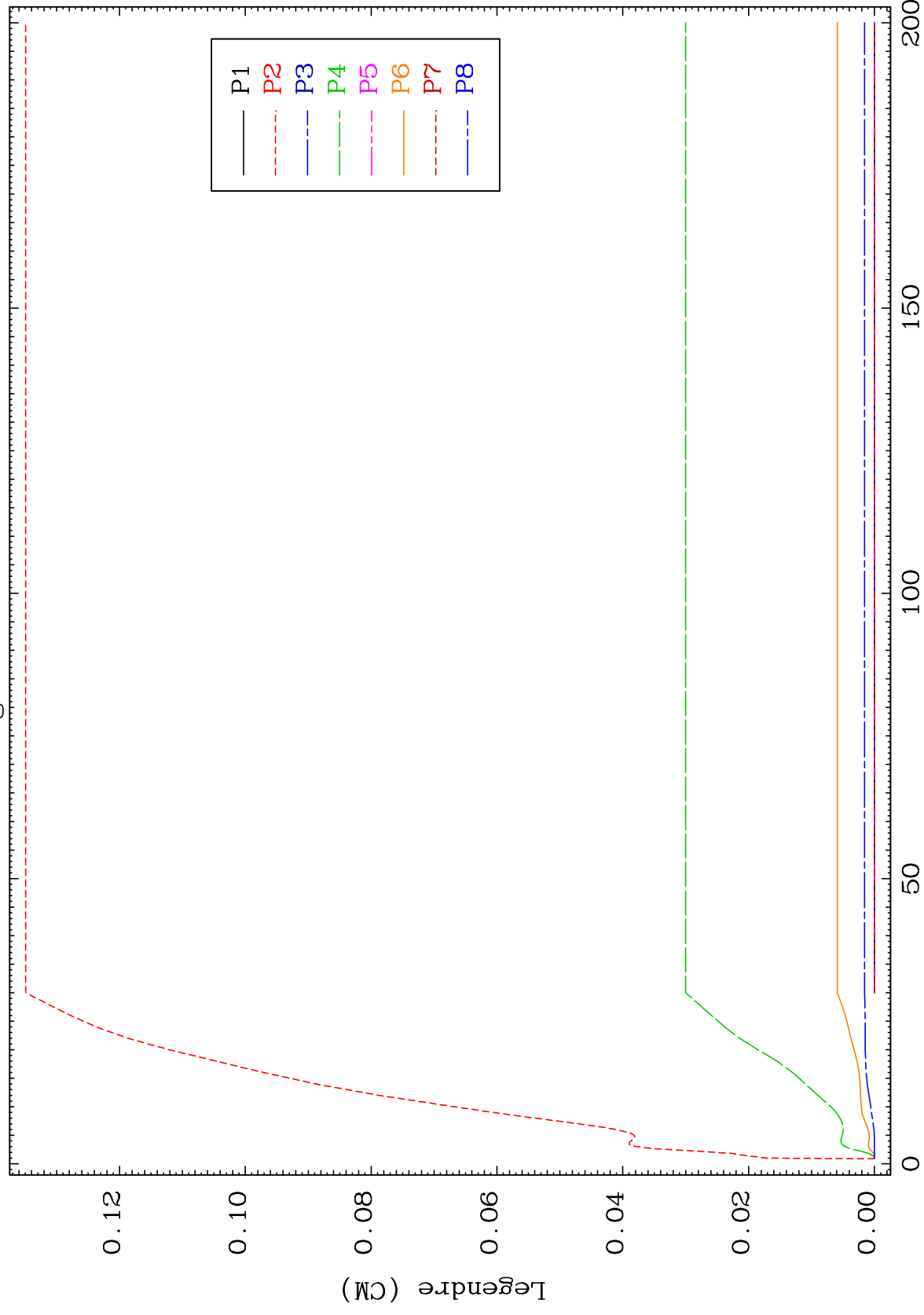
47



MAT 3734

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

37-Rb-88



37-Rb-88

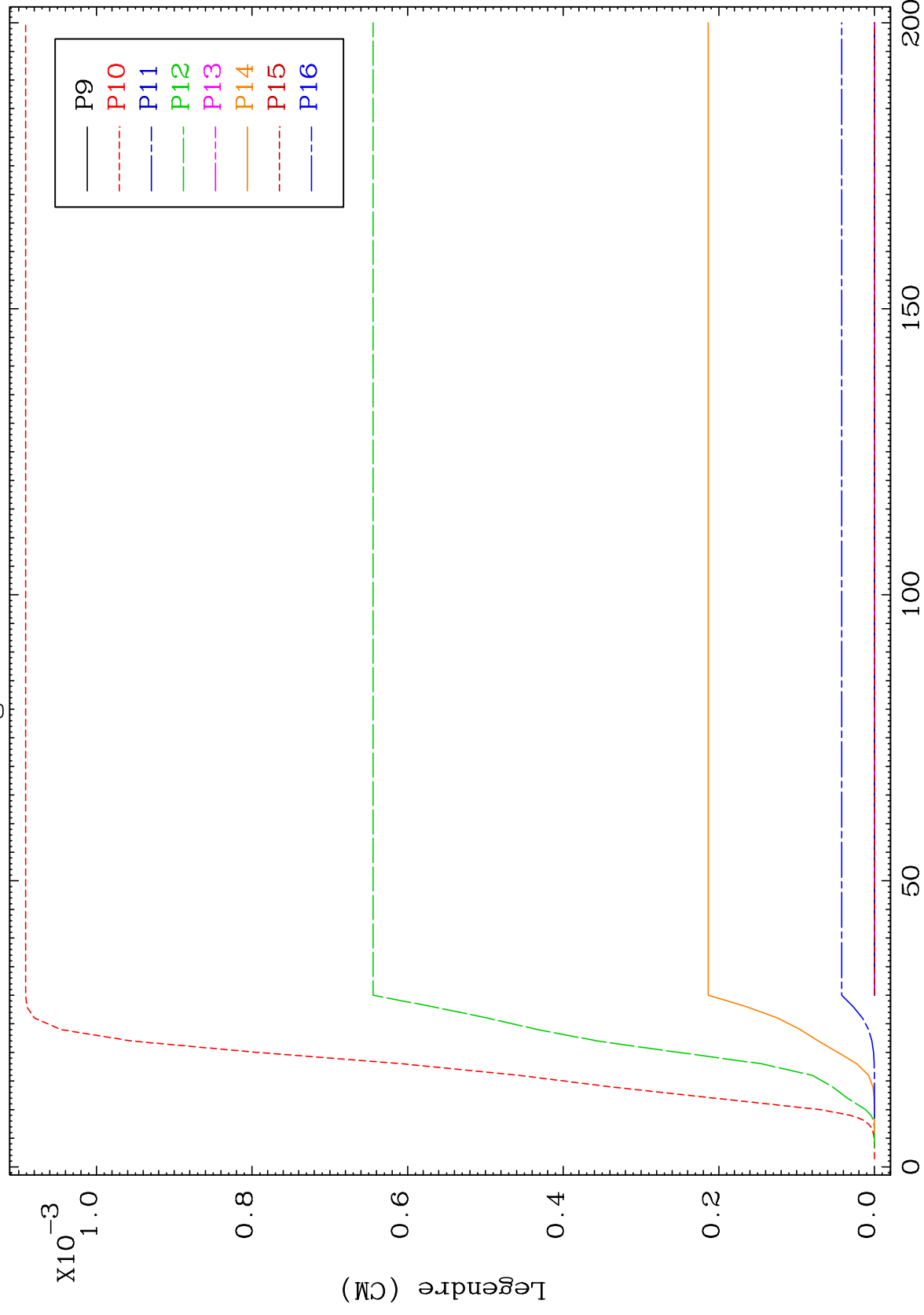
Incident Energy (MeV)

48

MAT 3734

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

37-Rb-88

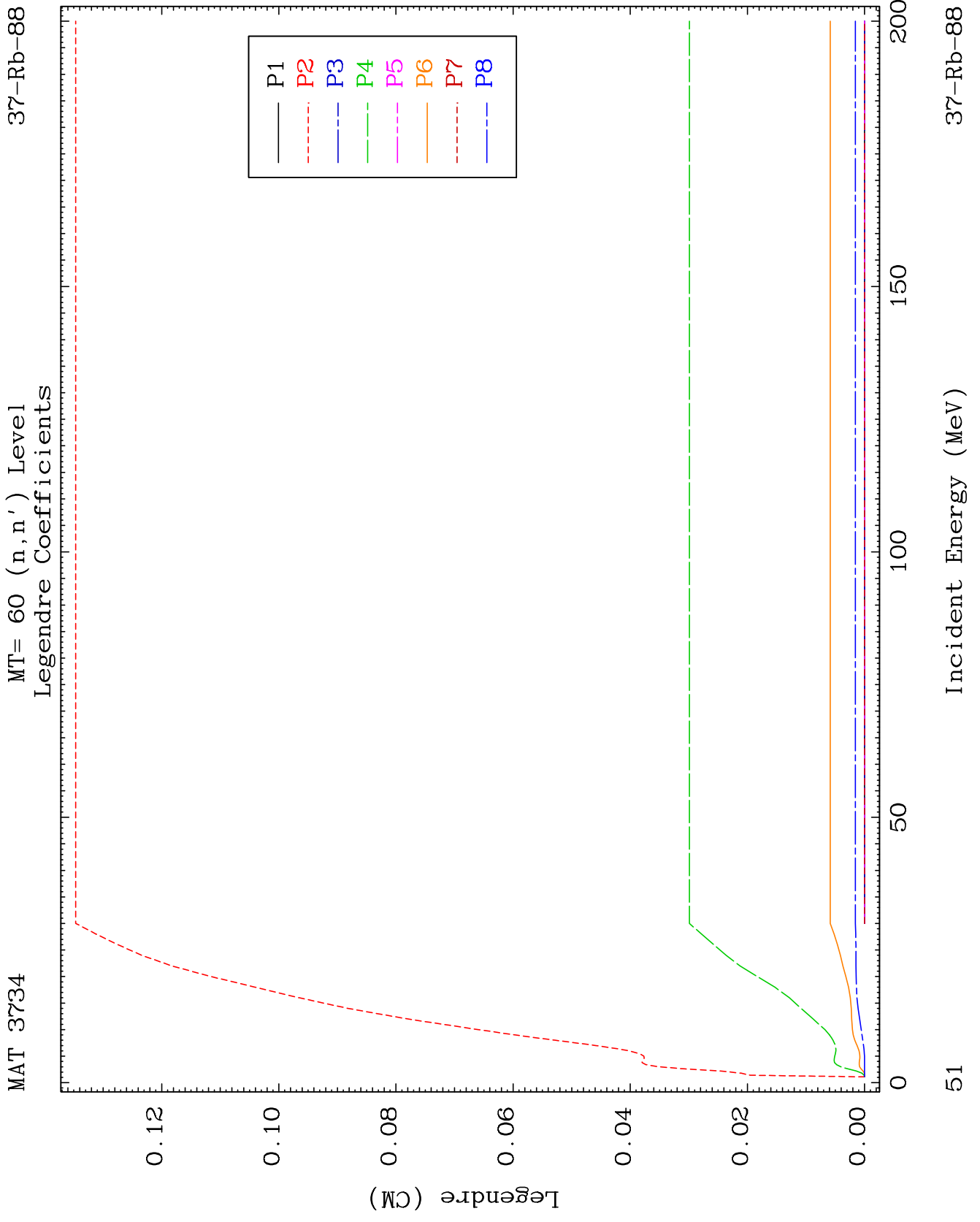


49

Incident Energy (MeV)

37-Rb-88

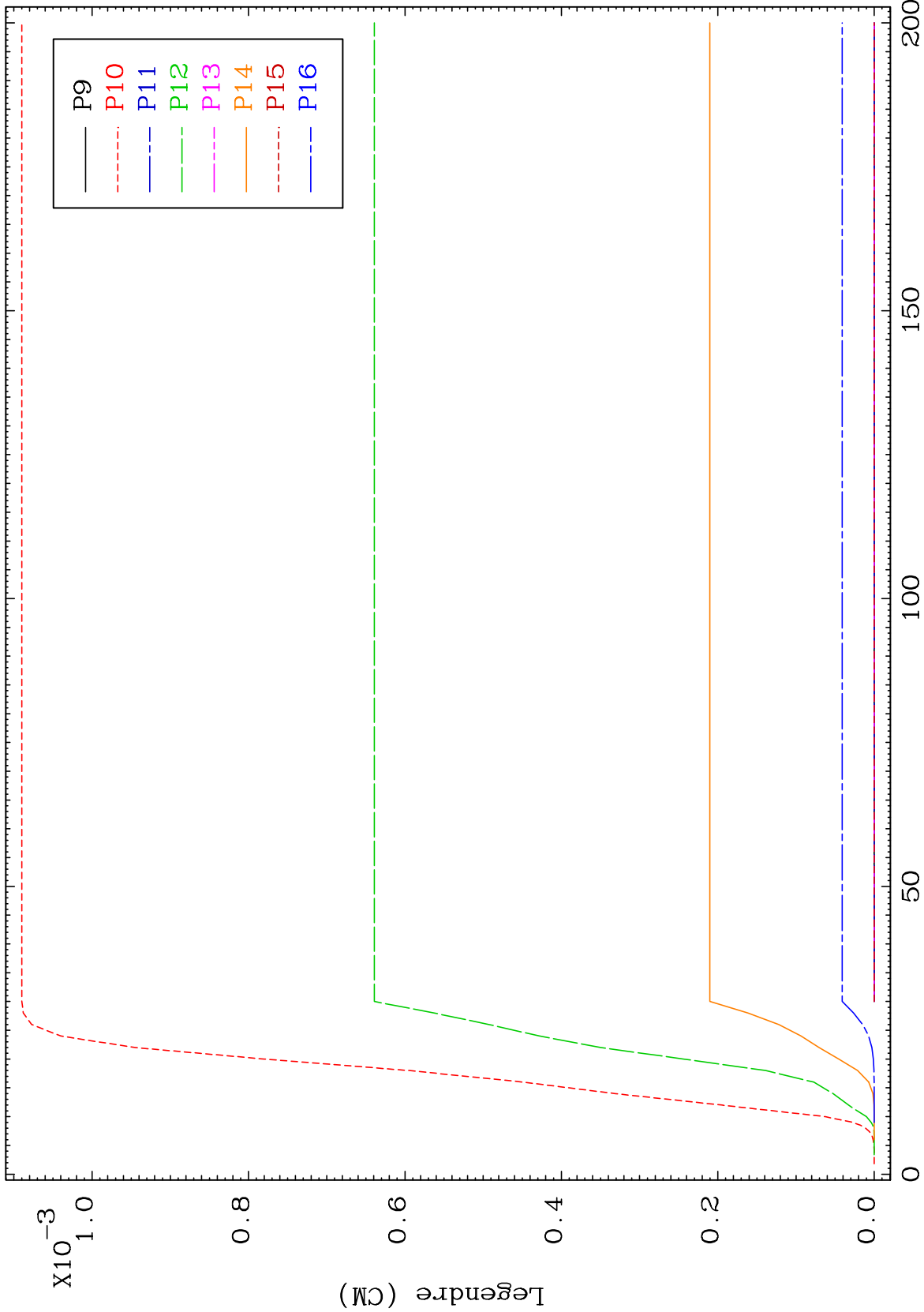




MAT 3734

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

37-Rb-88



52

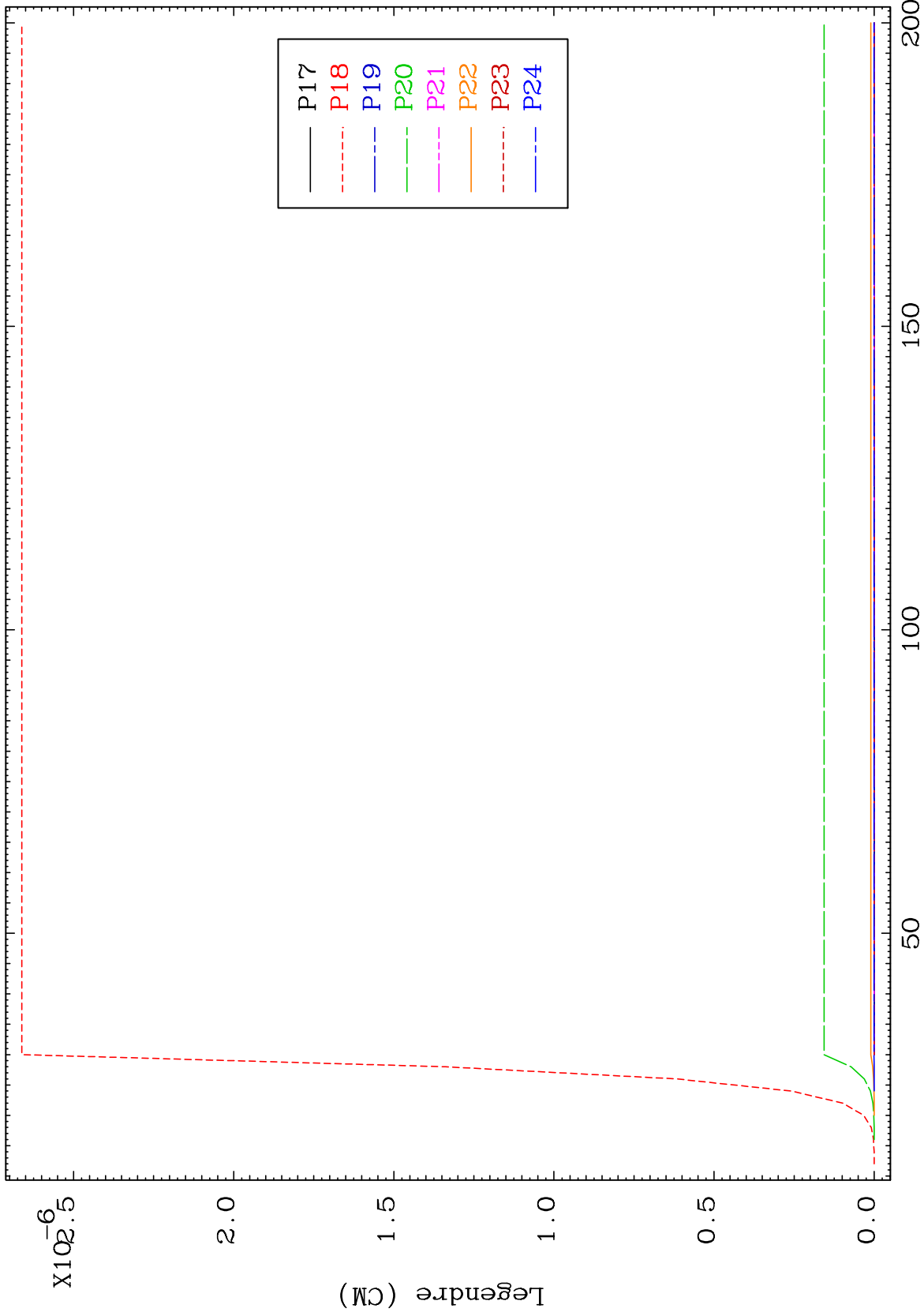
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



53

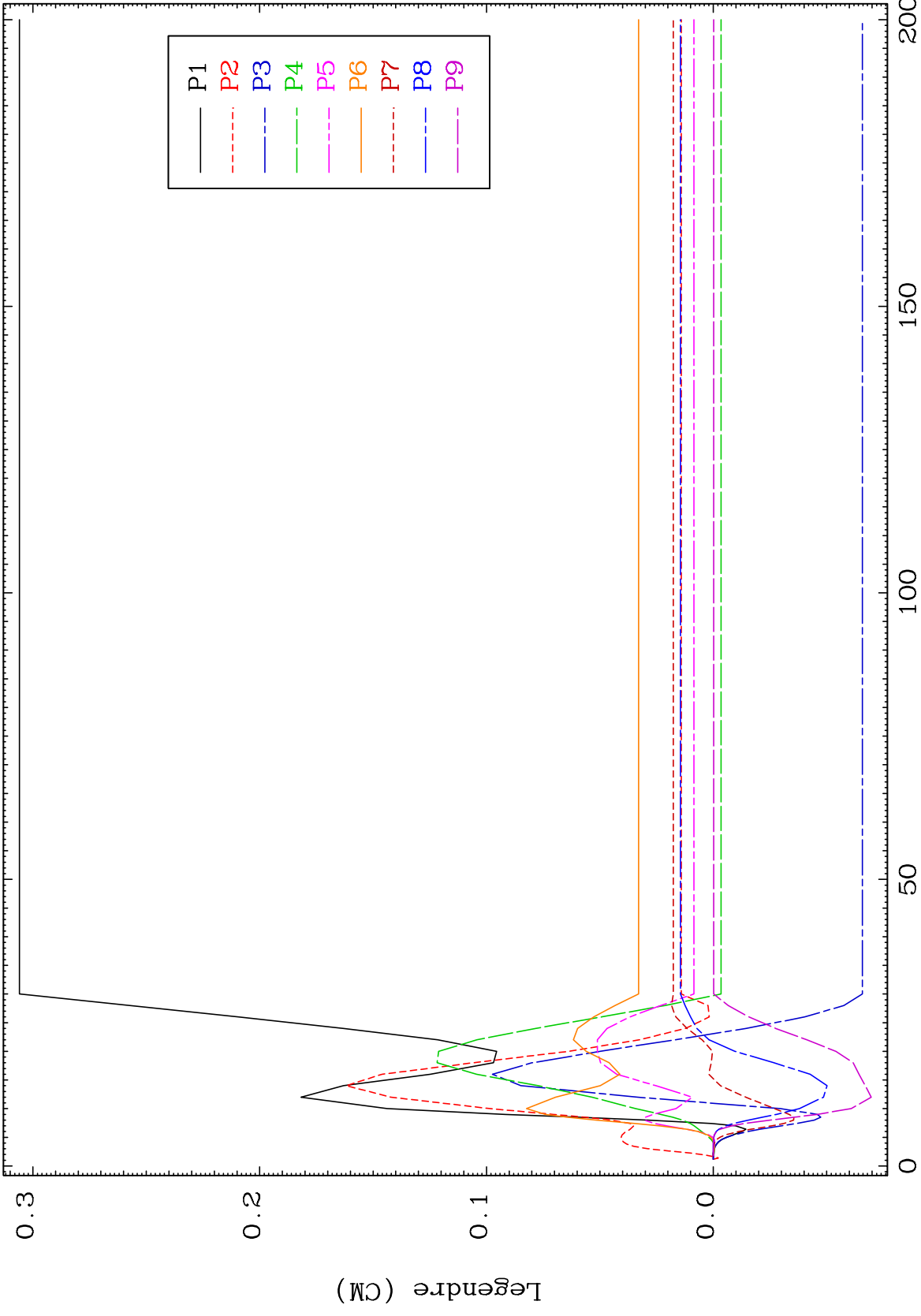
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



54

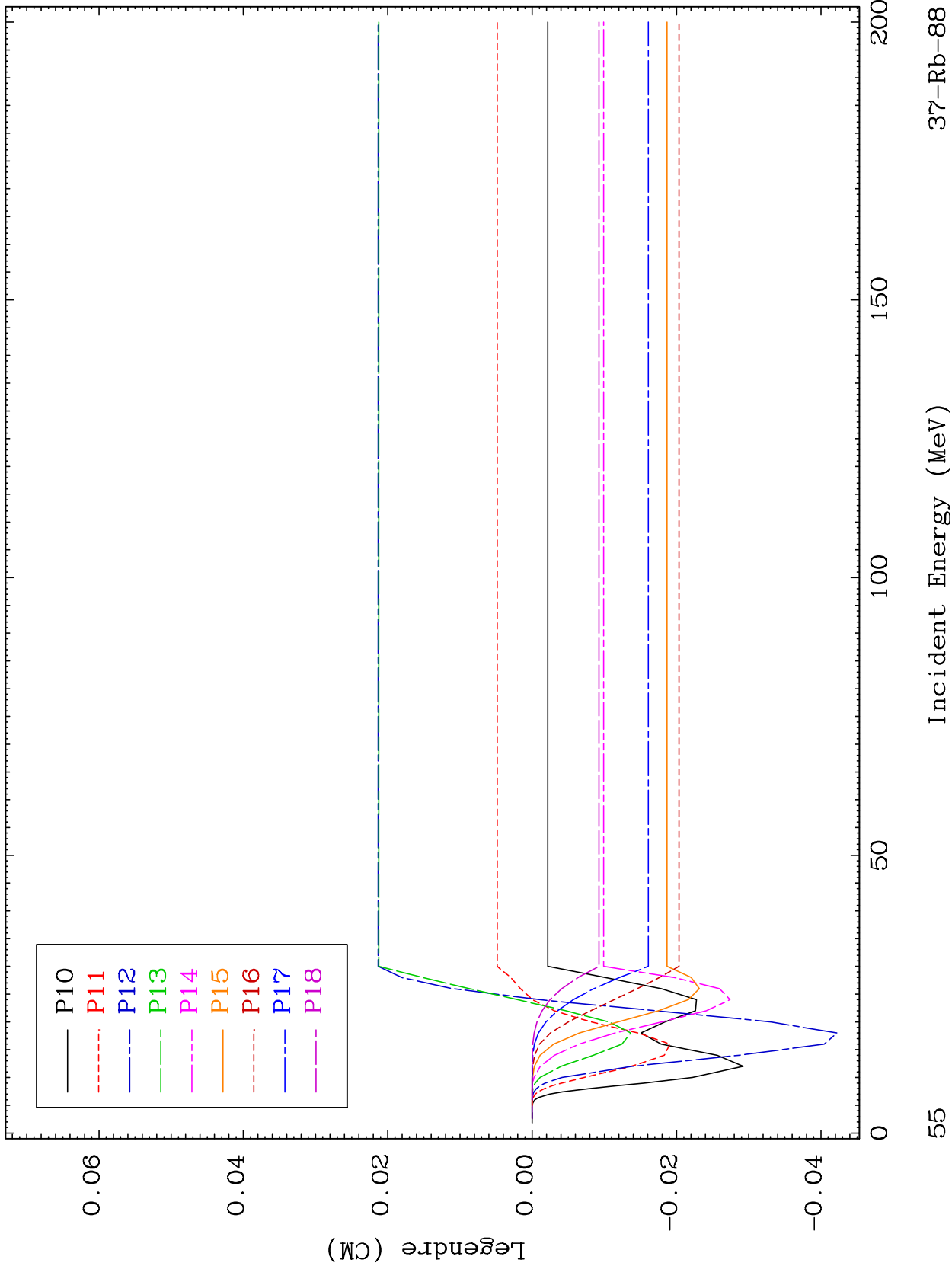
Incident Energy (MeV)

37-Rb-88

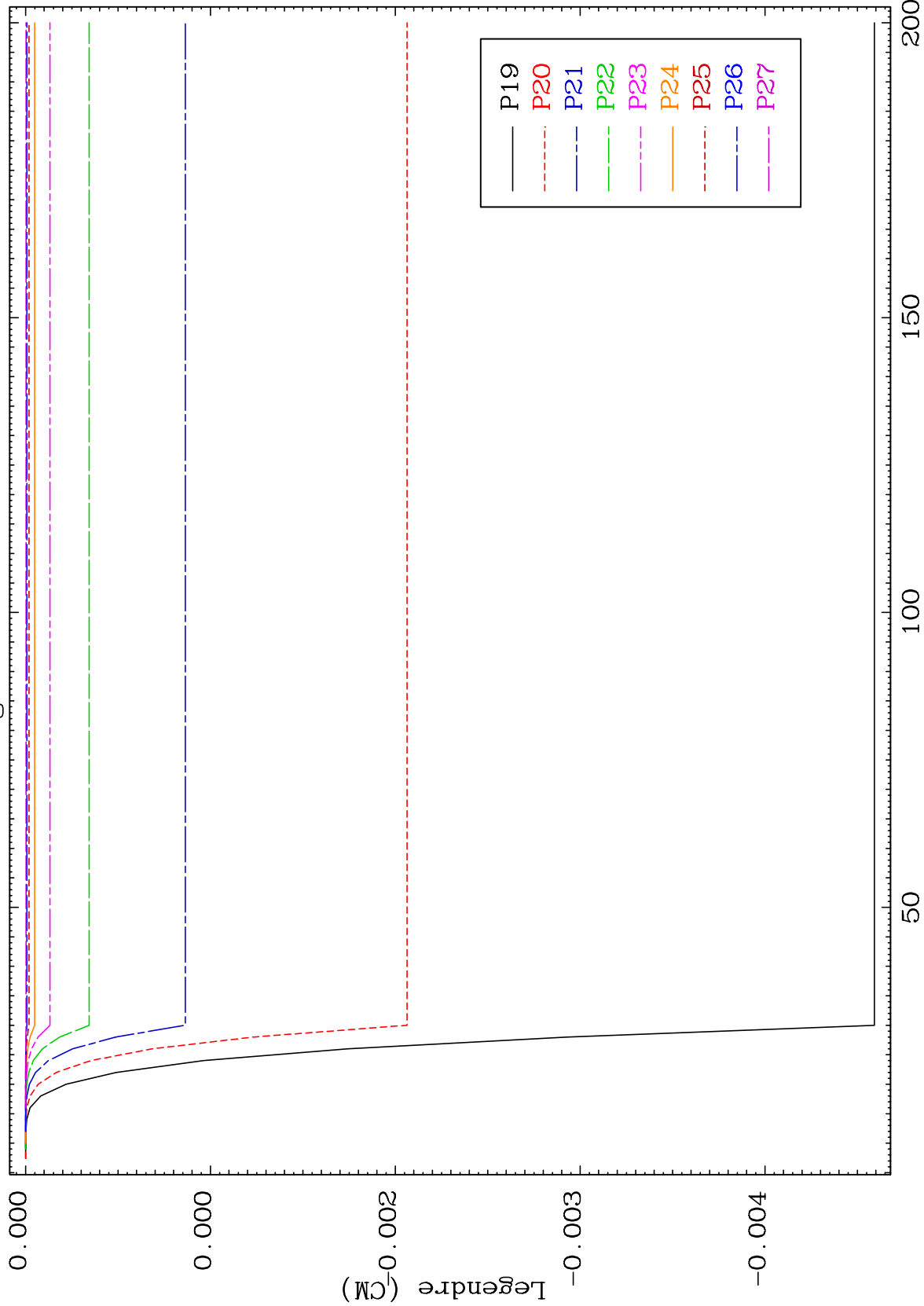
MAT 3734

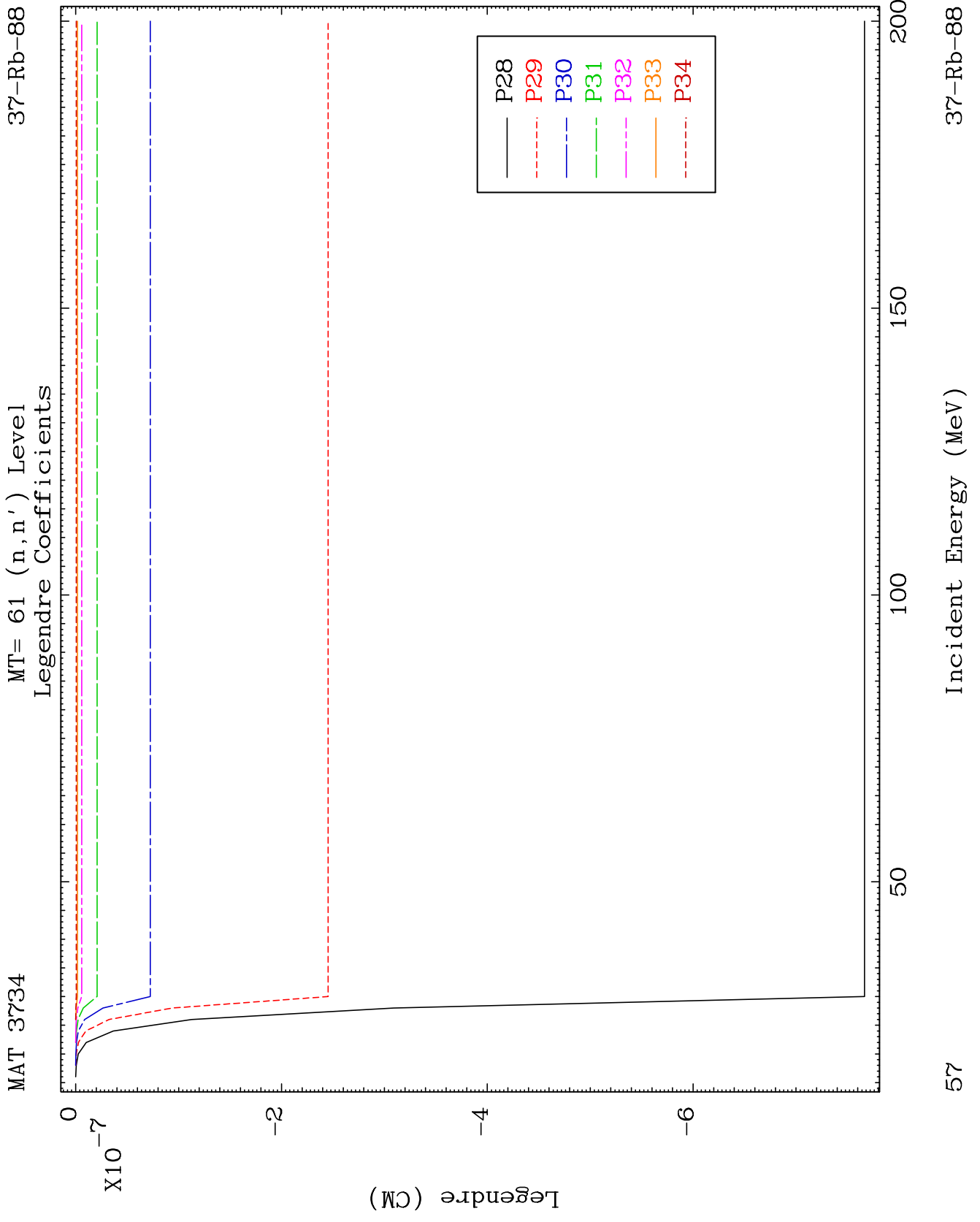
MT= 61 (n,n') Level  
Legendre Coefficients

37-Rb-88





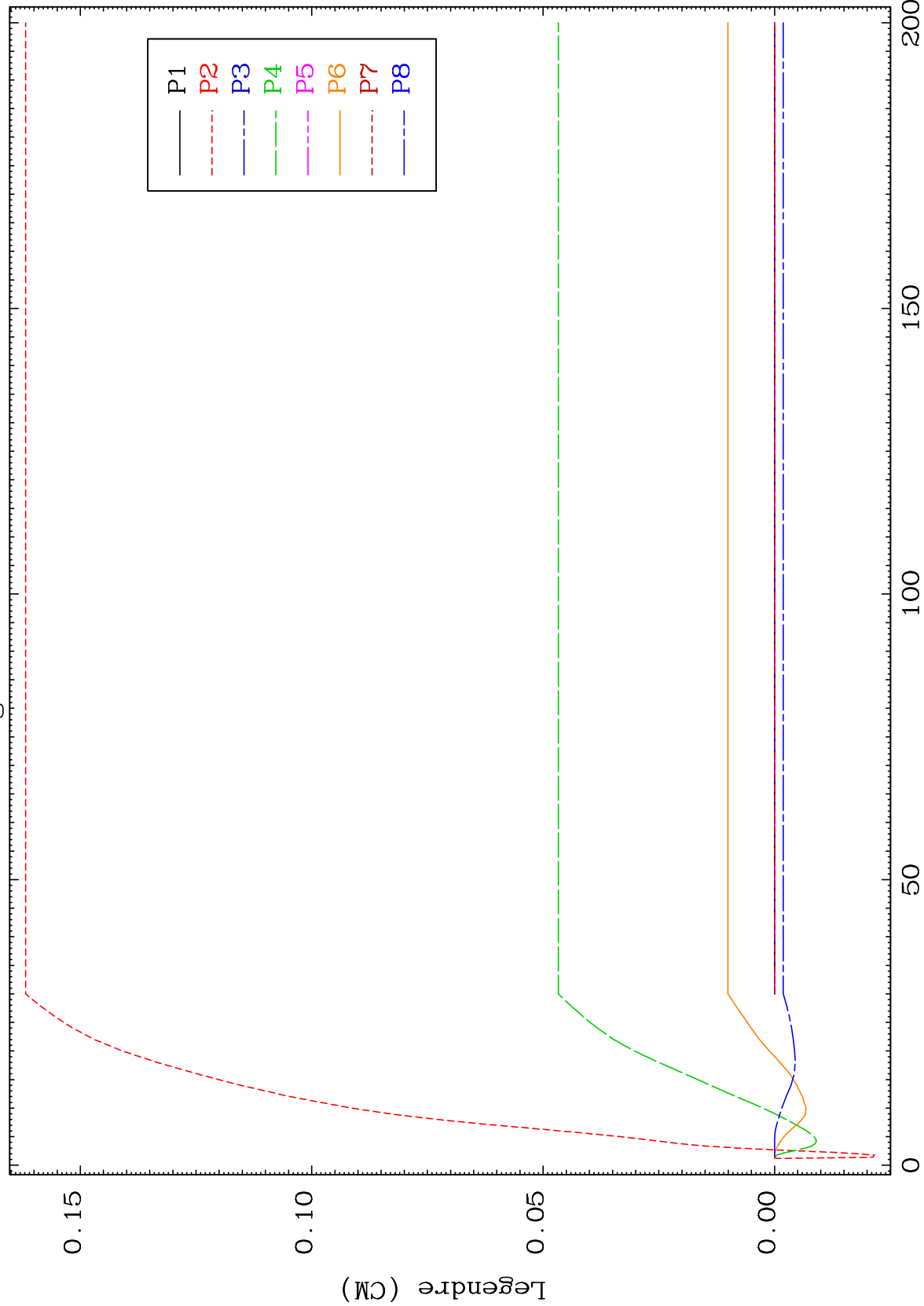




MAT 3734

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

37-Rb-88



37-Rb-88

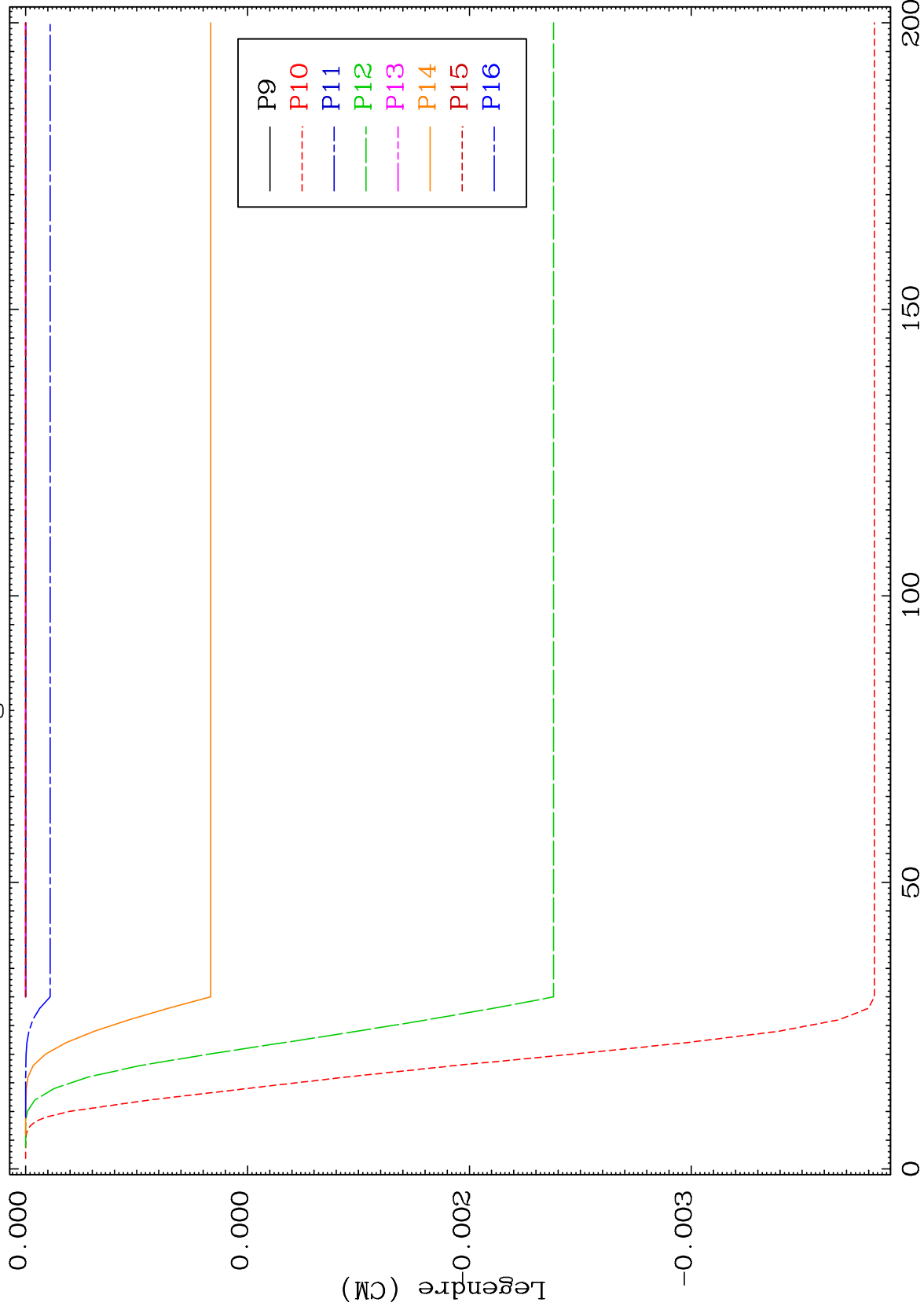
Incident Energy (MeV)

58

MAT 3734

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

37-Rb-88



59

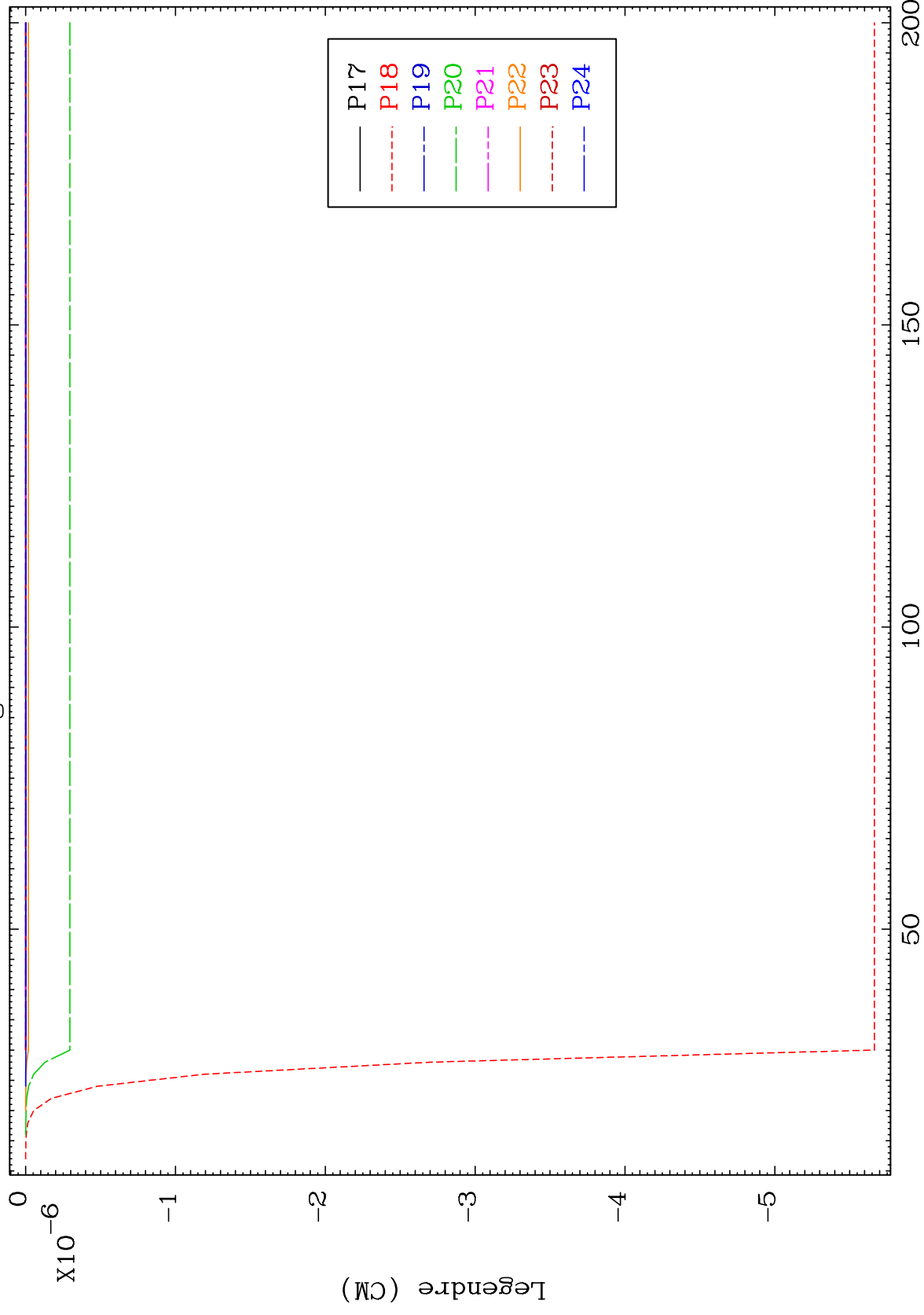
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

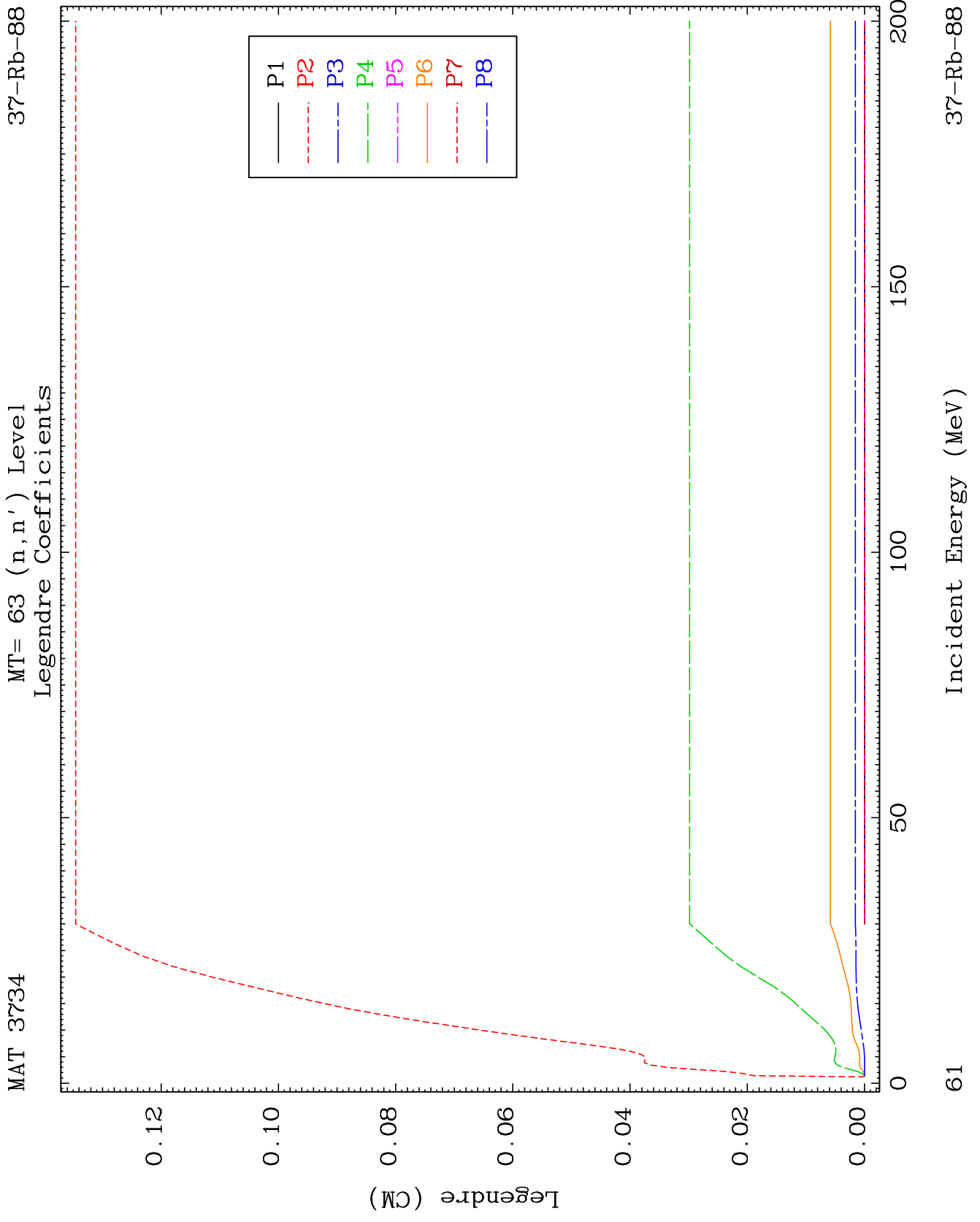
37-Rb-88



37-Rb-88

Incident Energy (MeV)

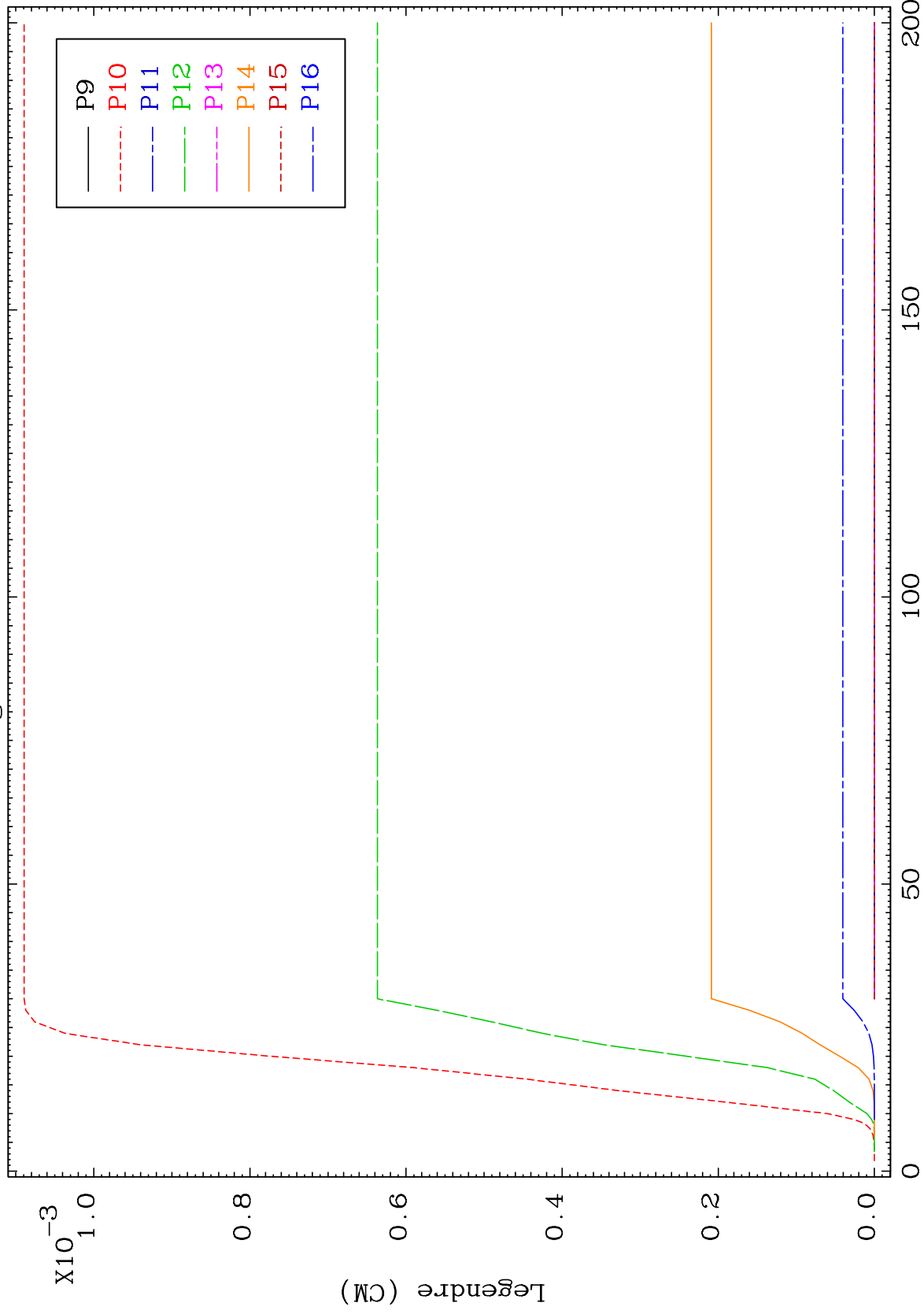
60



MAT 3734

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

37-Rb-88



62

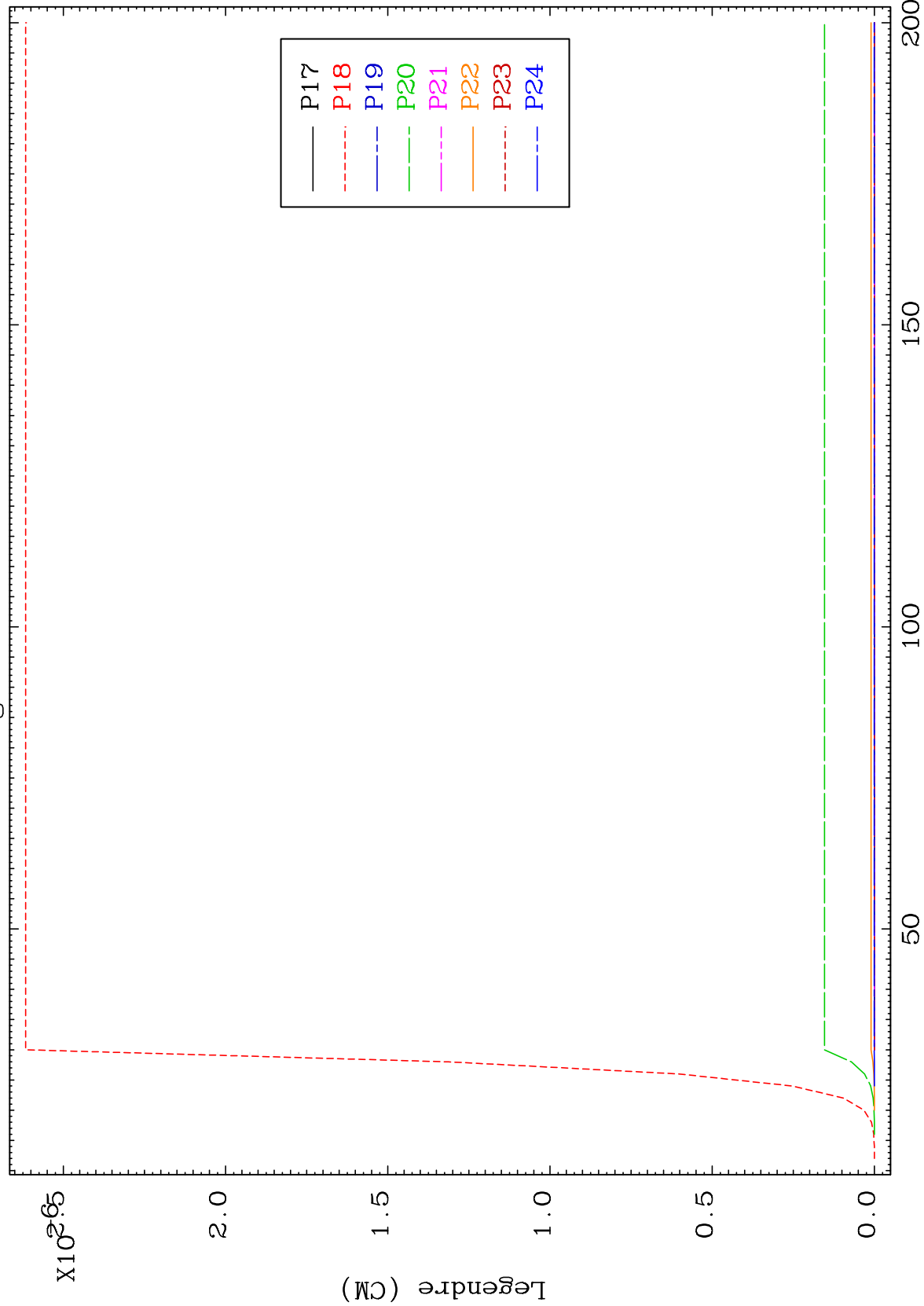
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



63

Incident Energy (MeV)

37-Rb-88

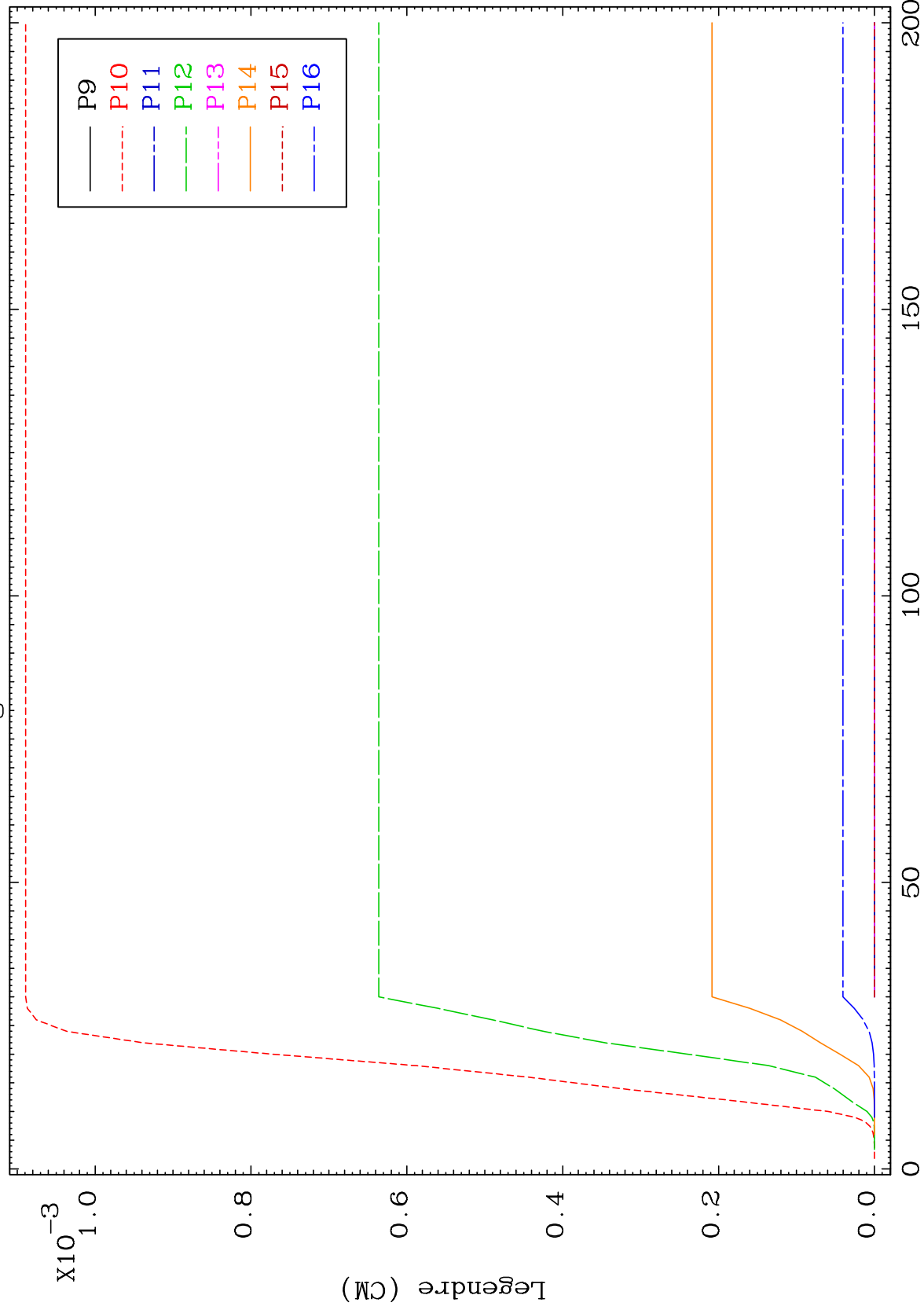




MAT 3734

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

37-Rb-88



65

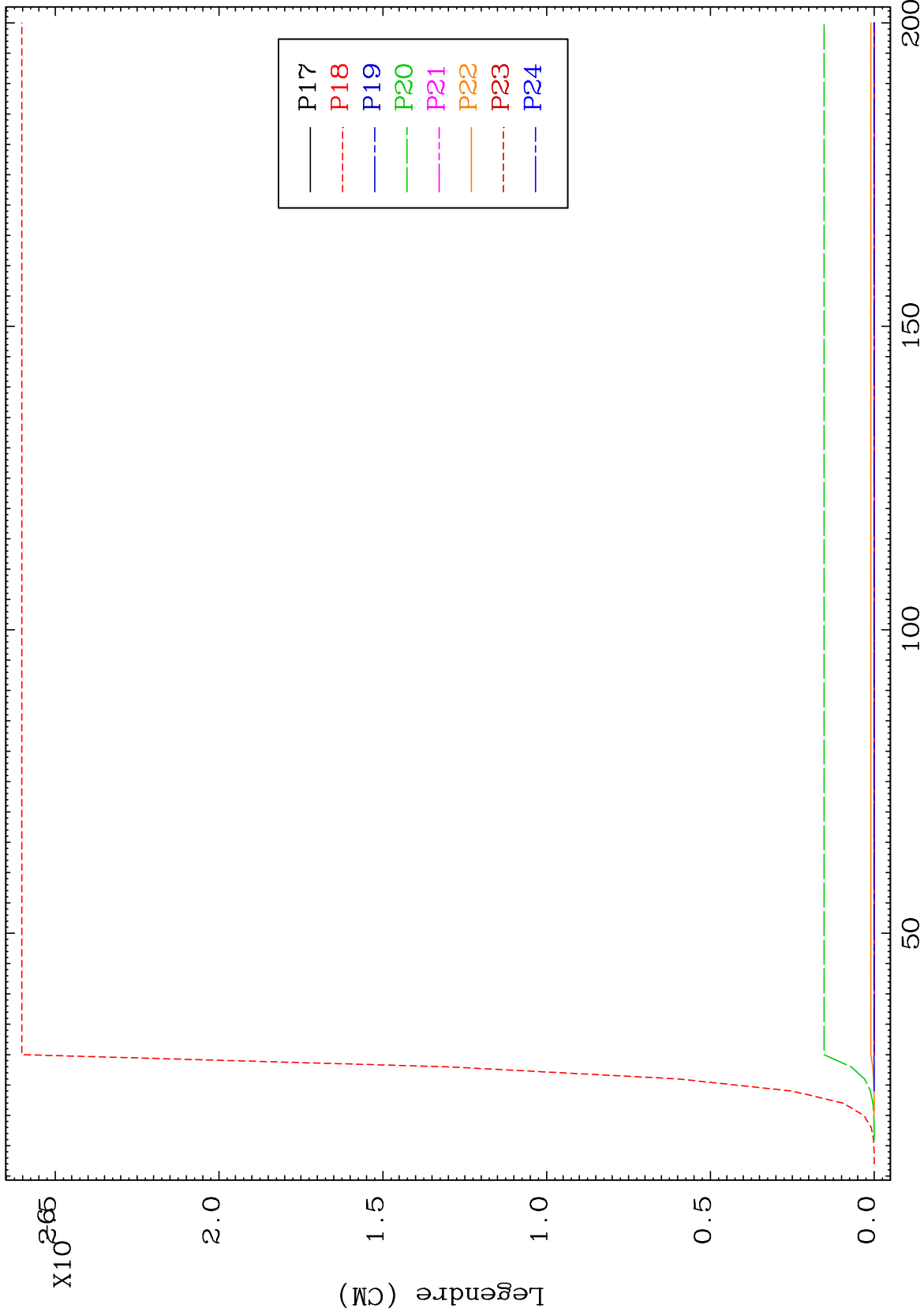
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



66

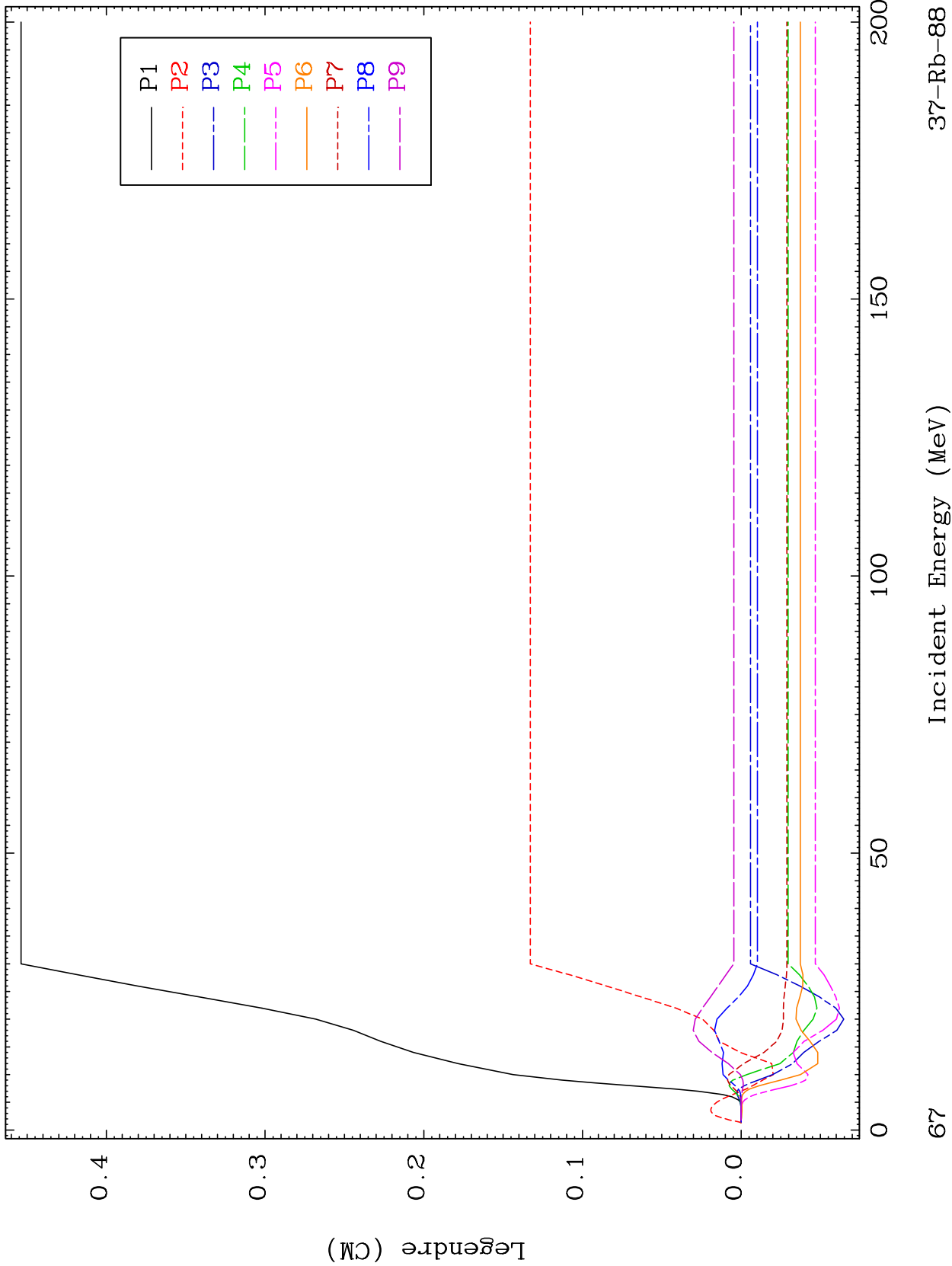
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



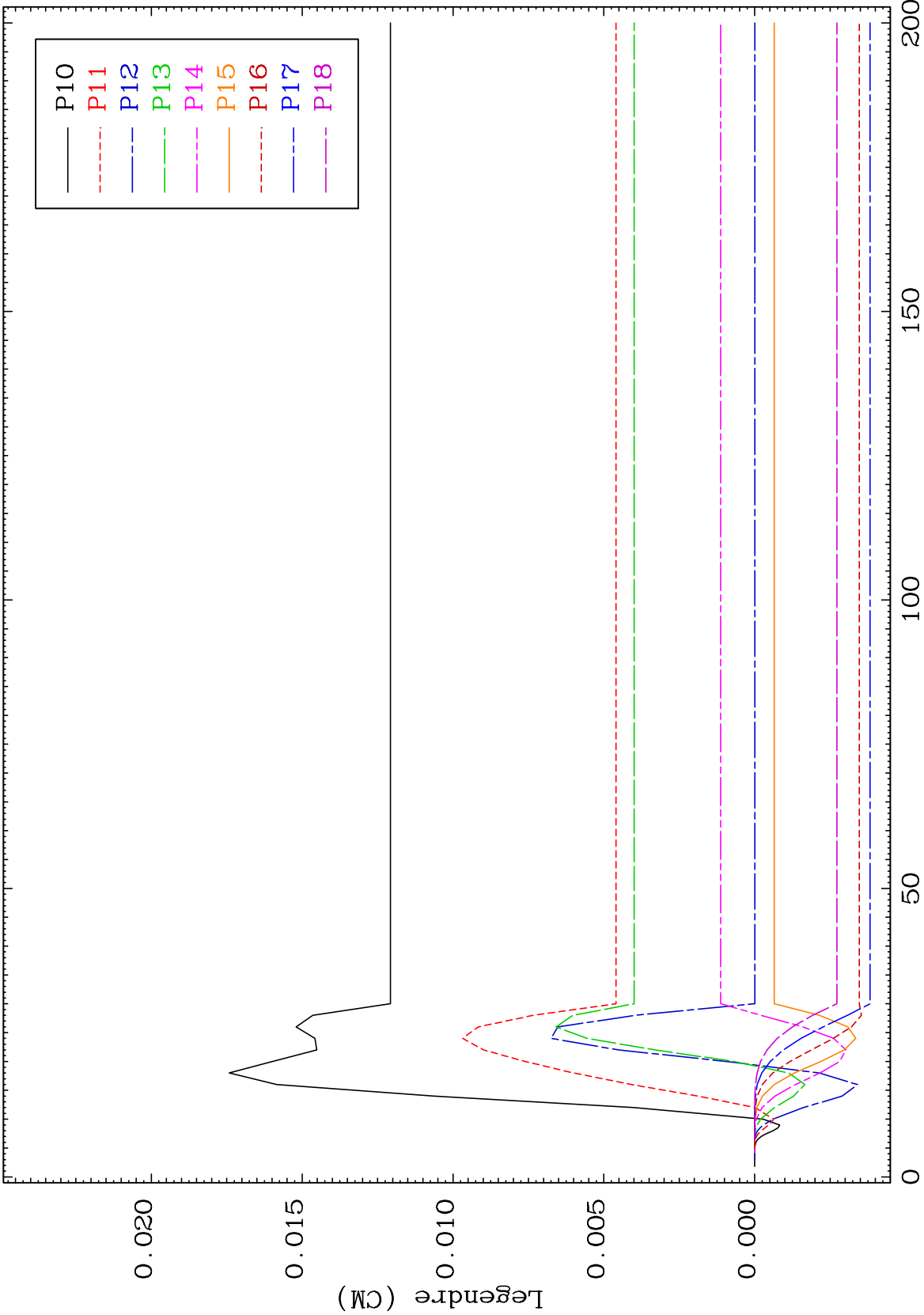
67

37-Rb-88

MAT 3734

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

37-Rb-88



68

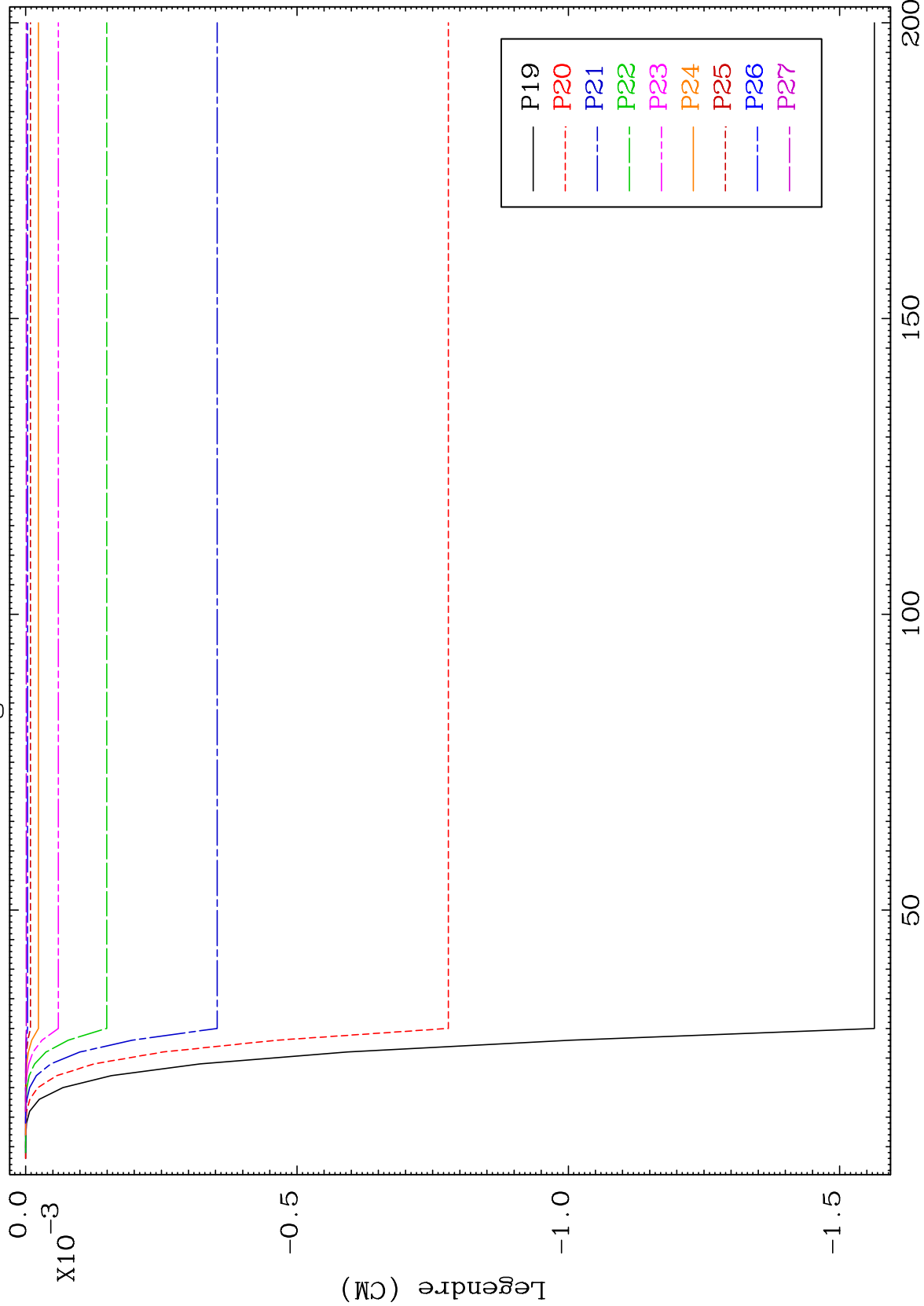
Incident Energy (MeV)

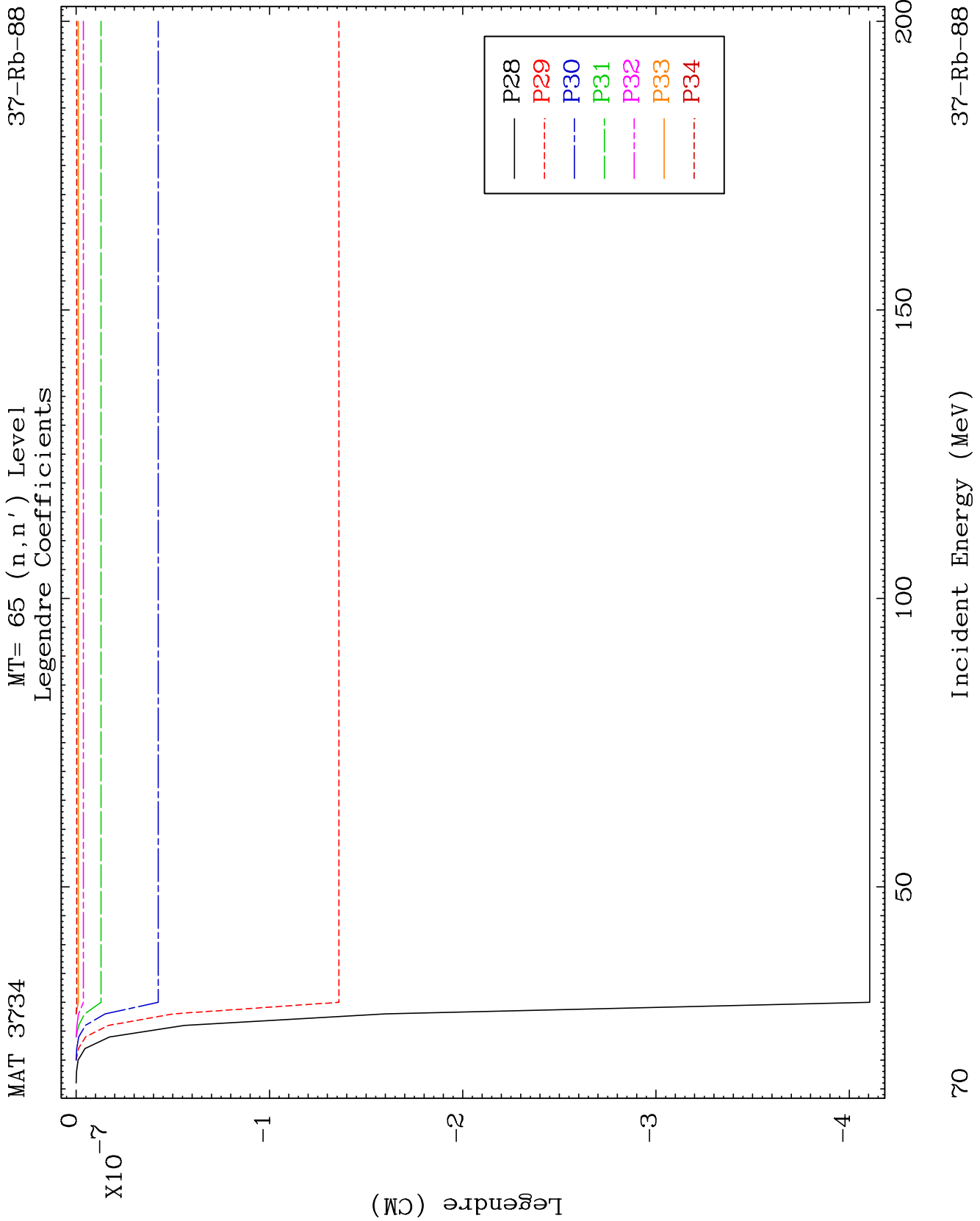
37-Rb-88

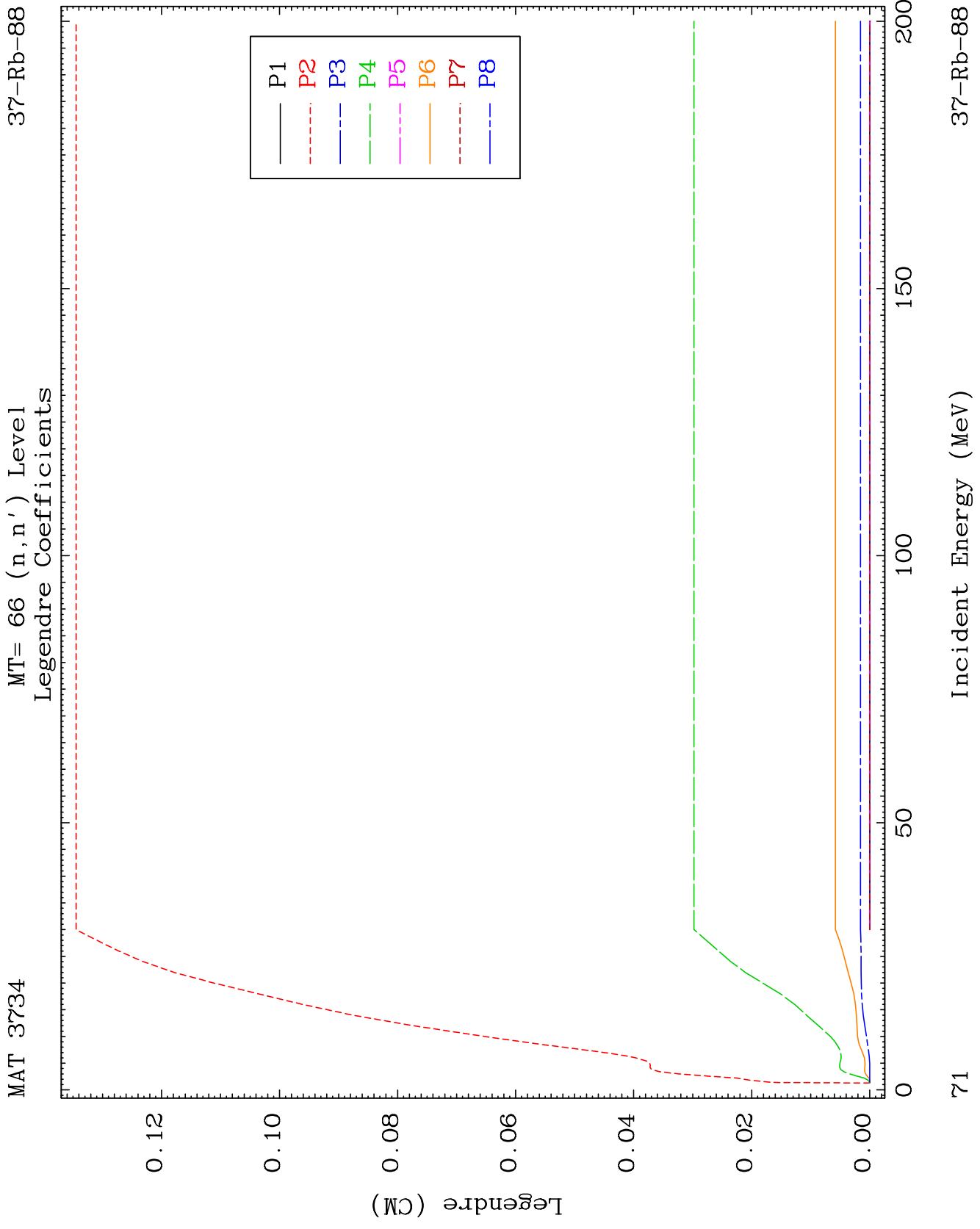
MAT 3734

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

37-Rb-88





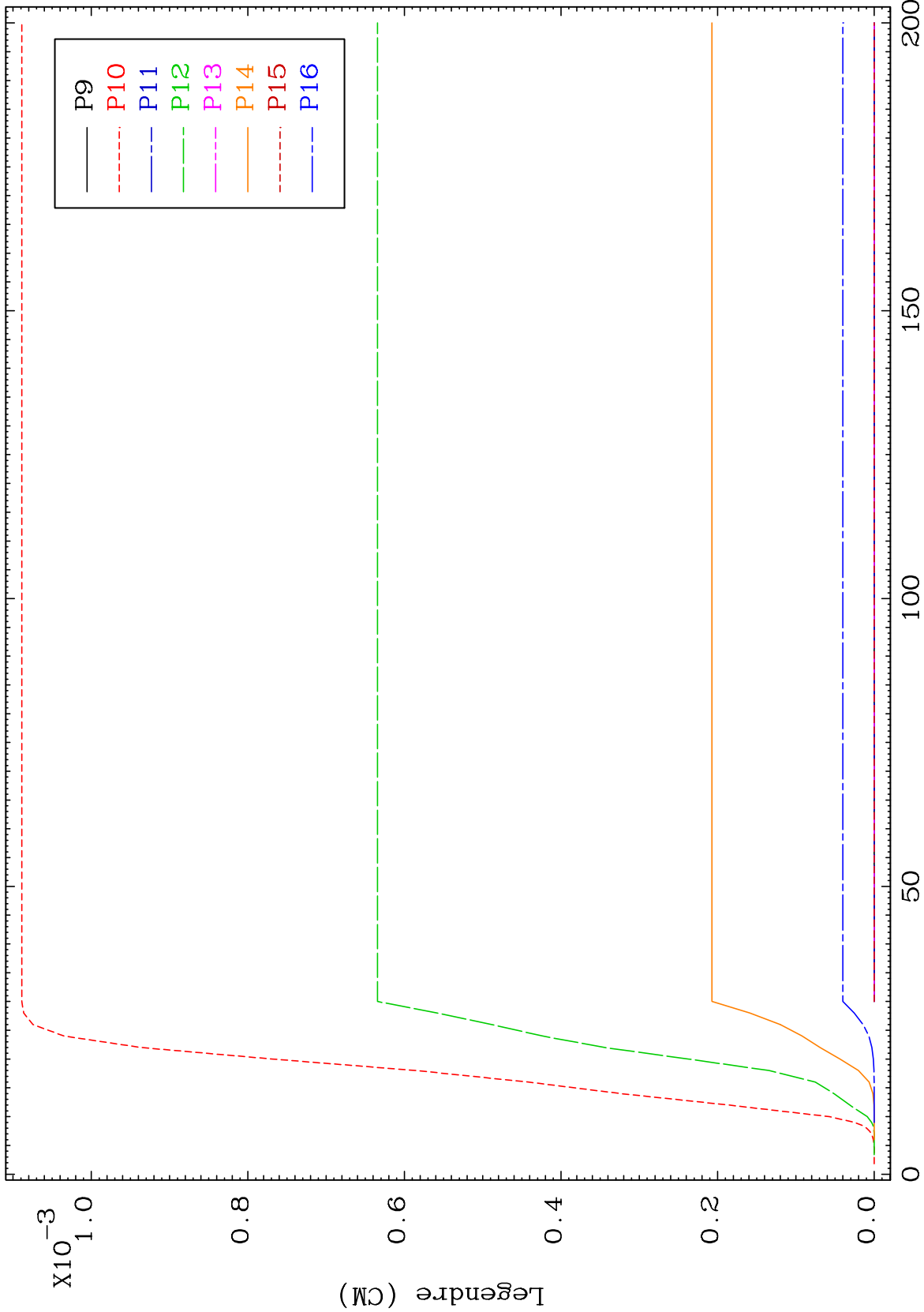




MAT 3734

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

37-Rb-88



72

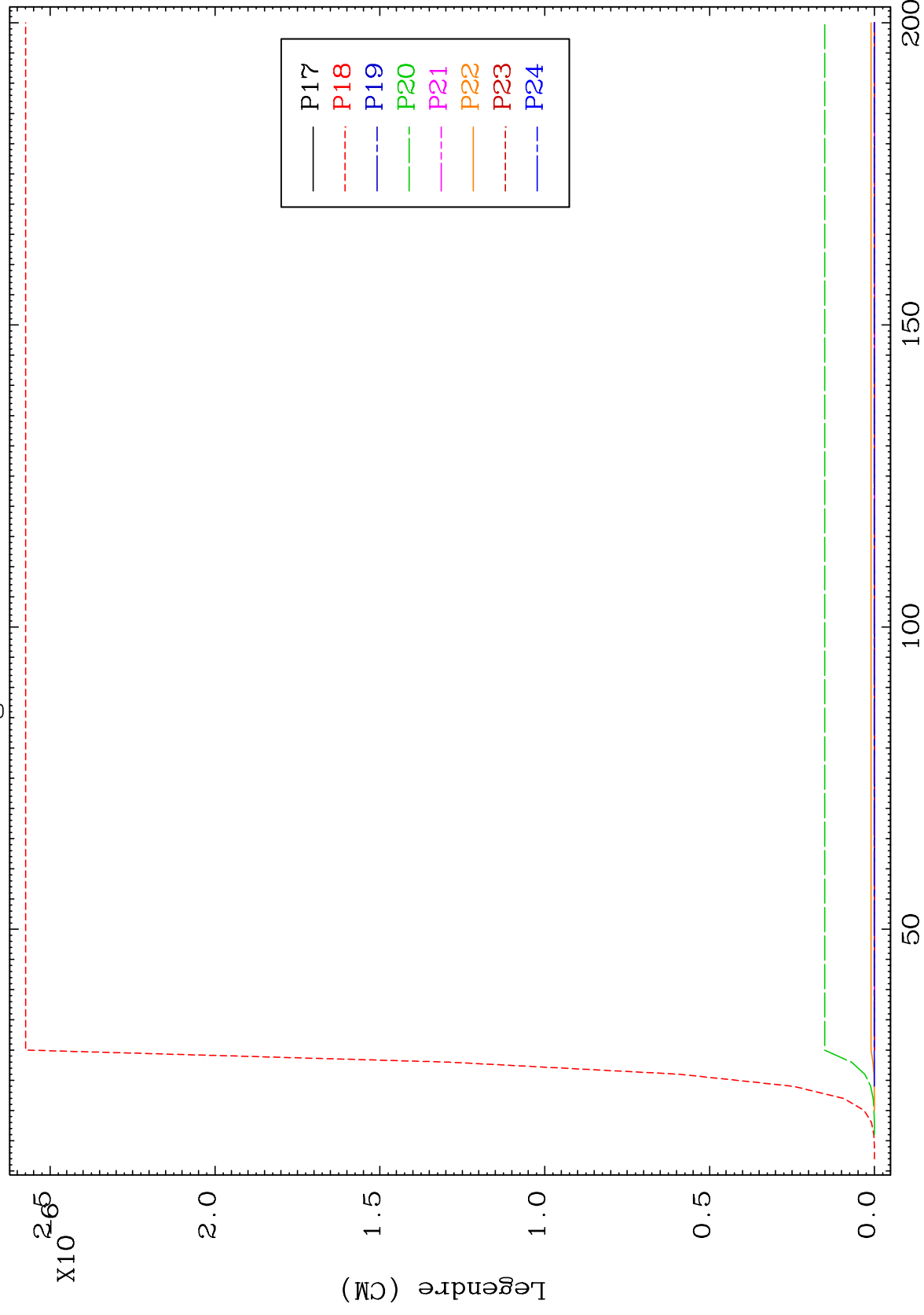
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

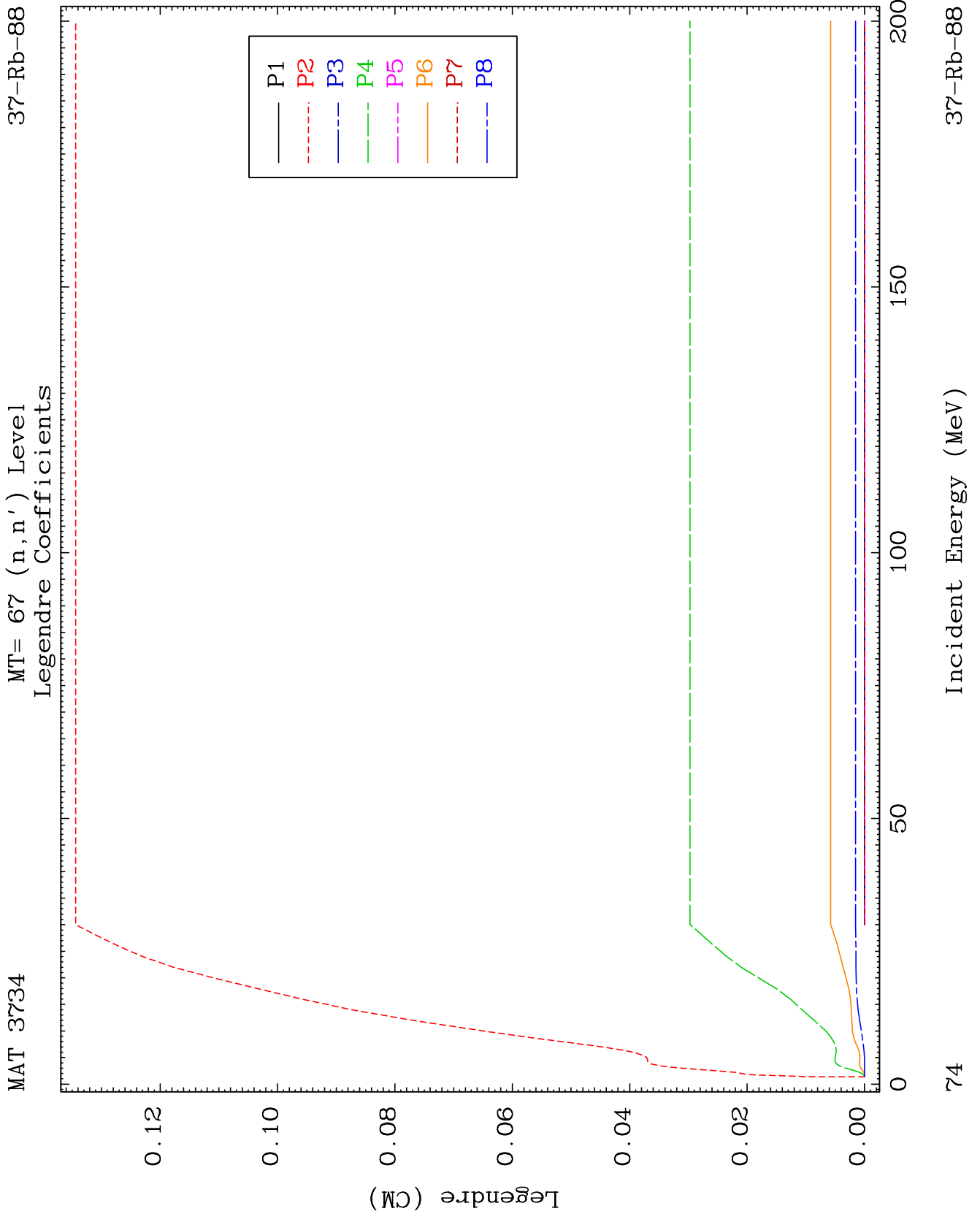
37-Rb-88



37-Rb-88

Incident Energy (MeV)

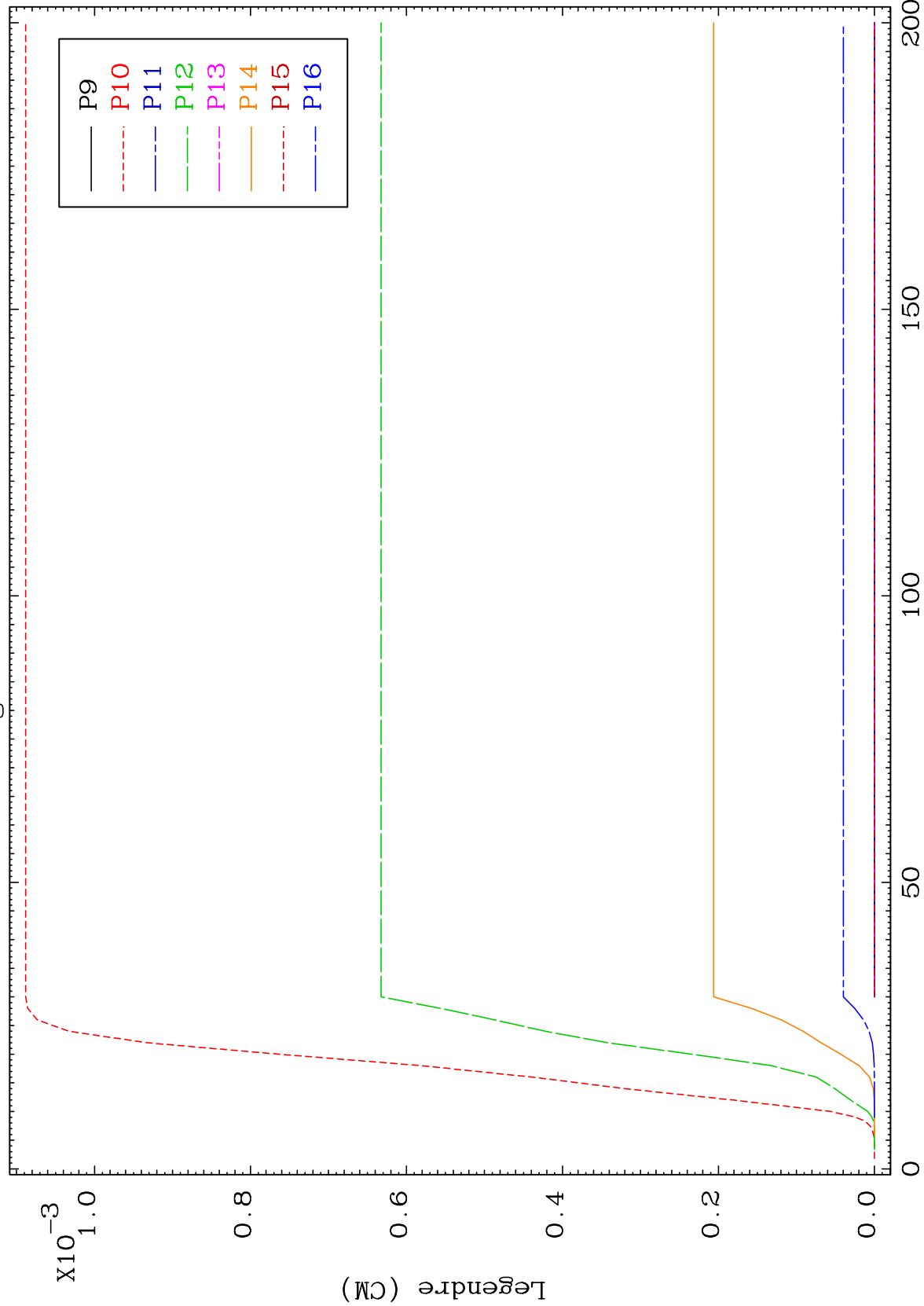
73



MAT 3734

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

37-Rb-88



75

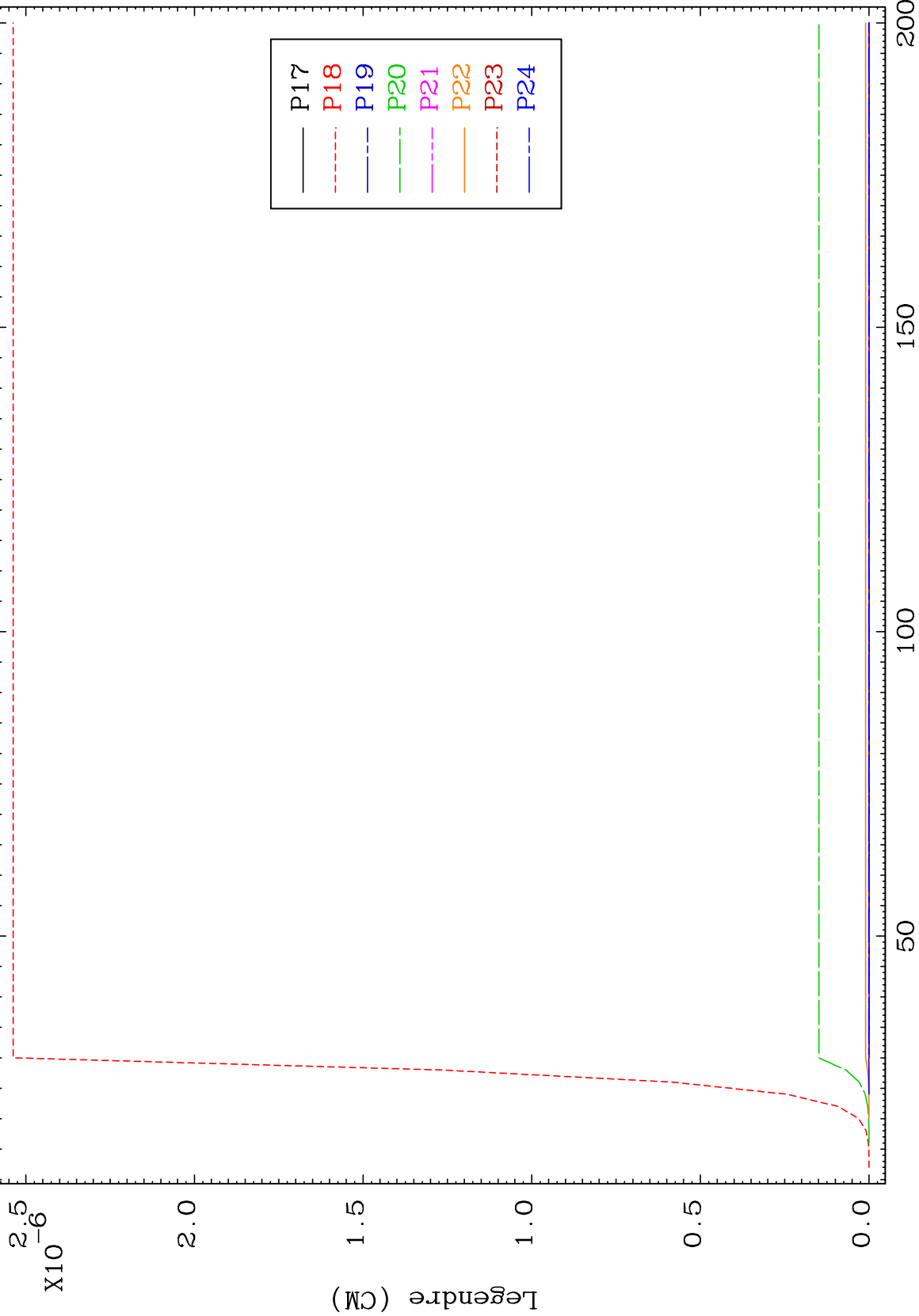
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



76

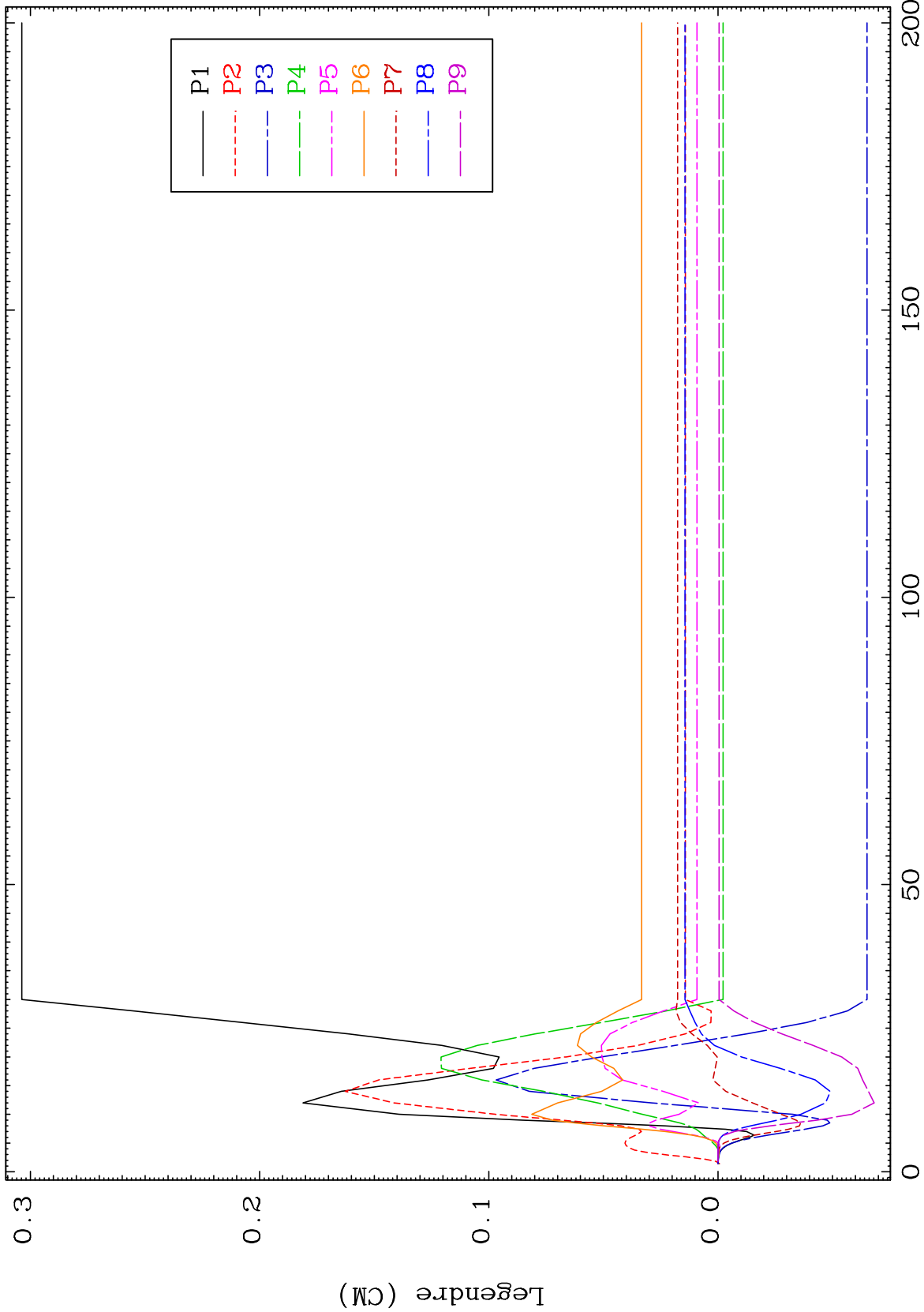
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



77

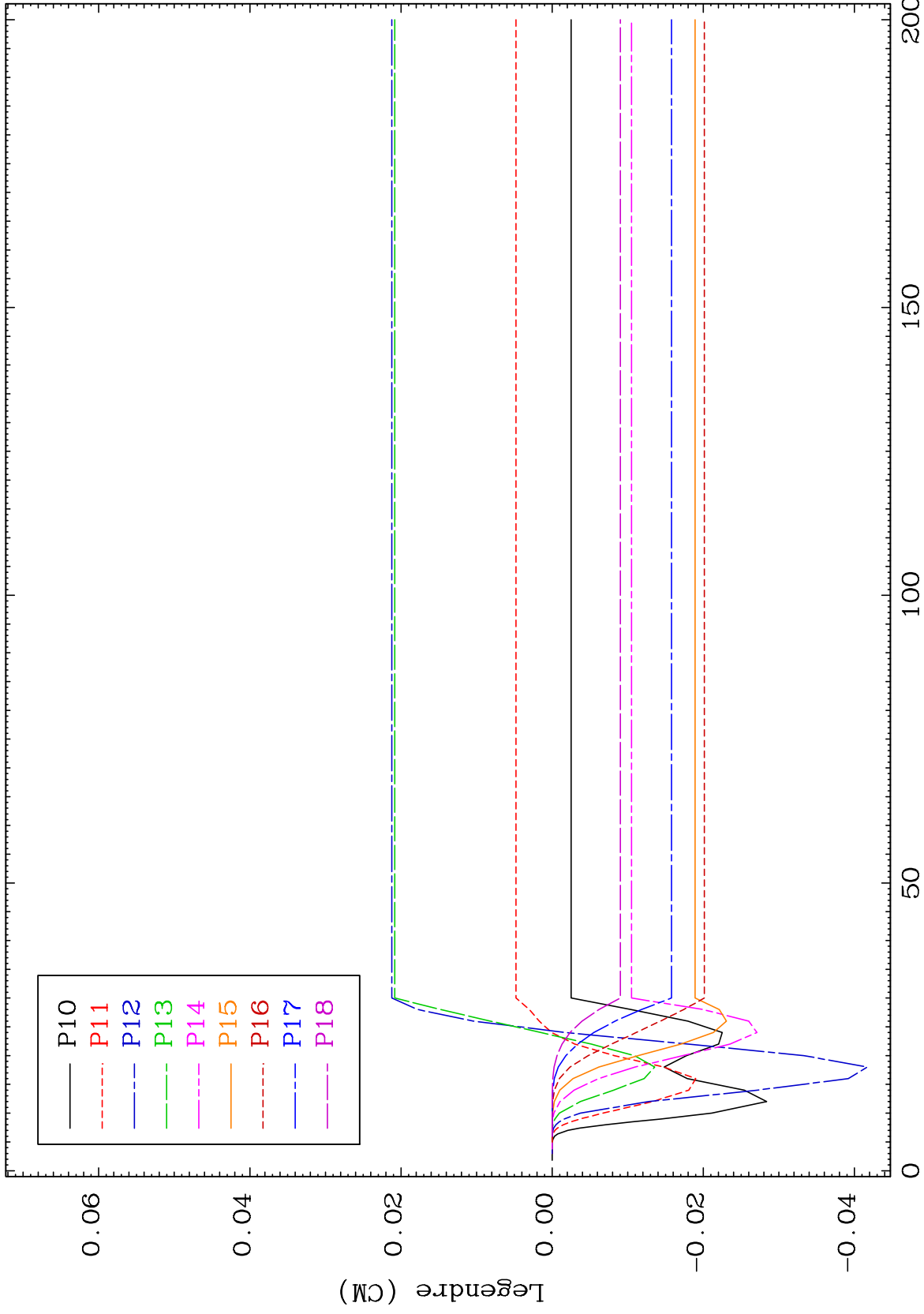
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

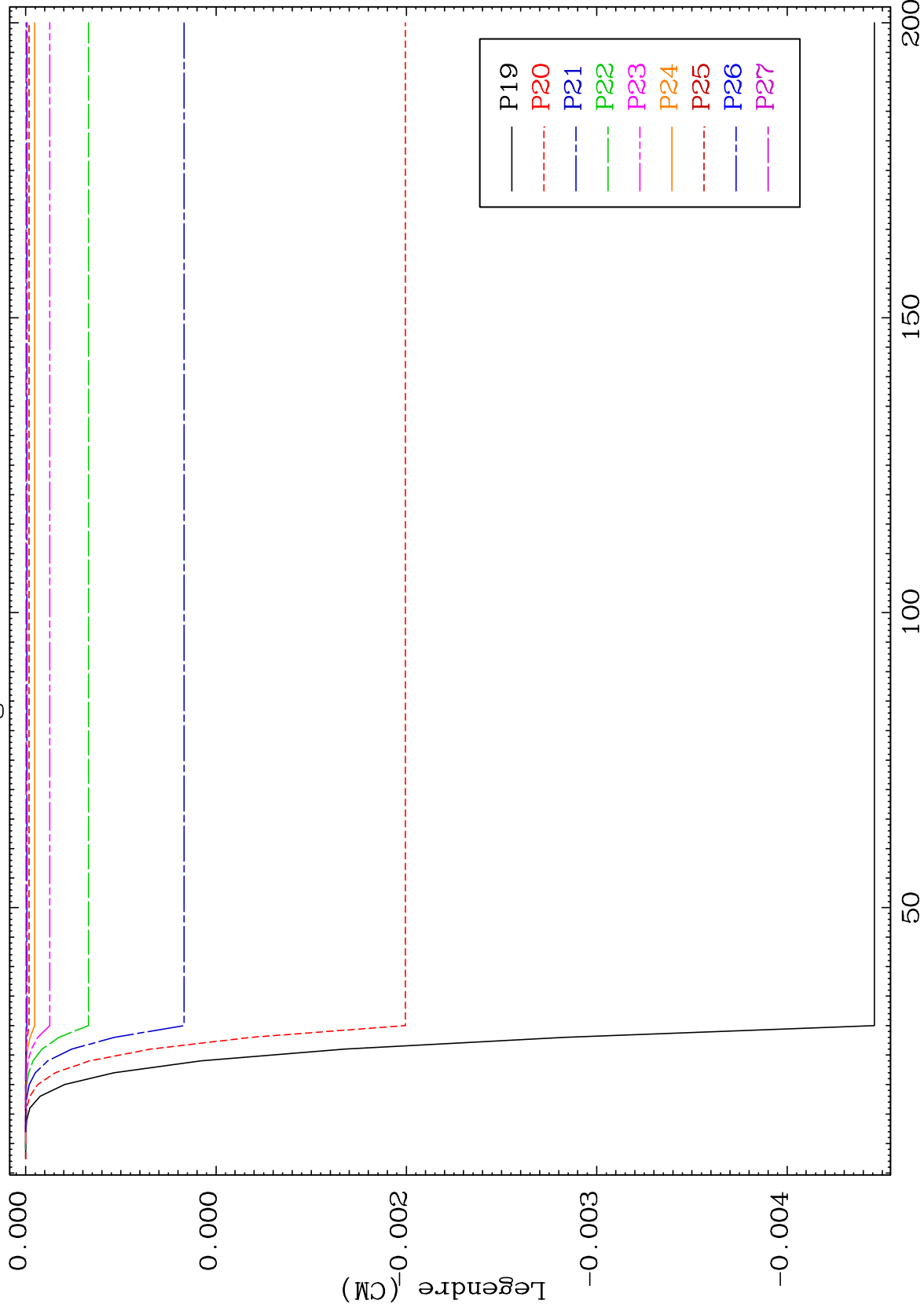
37-Rb-88



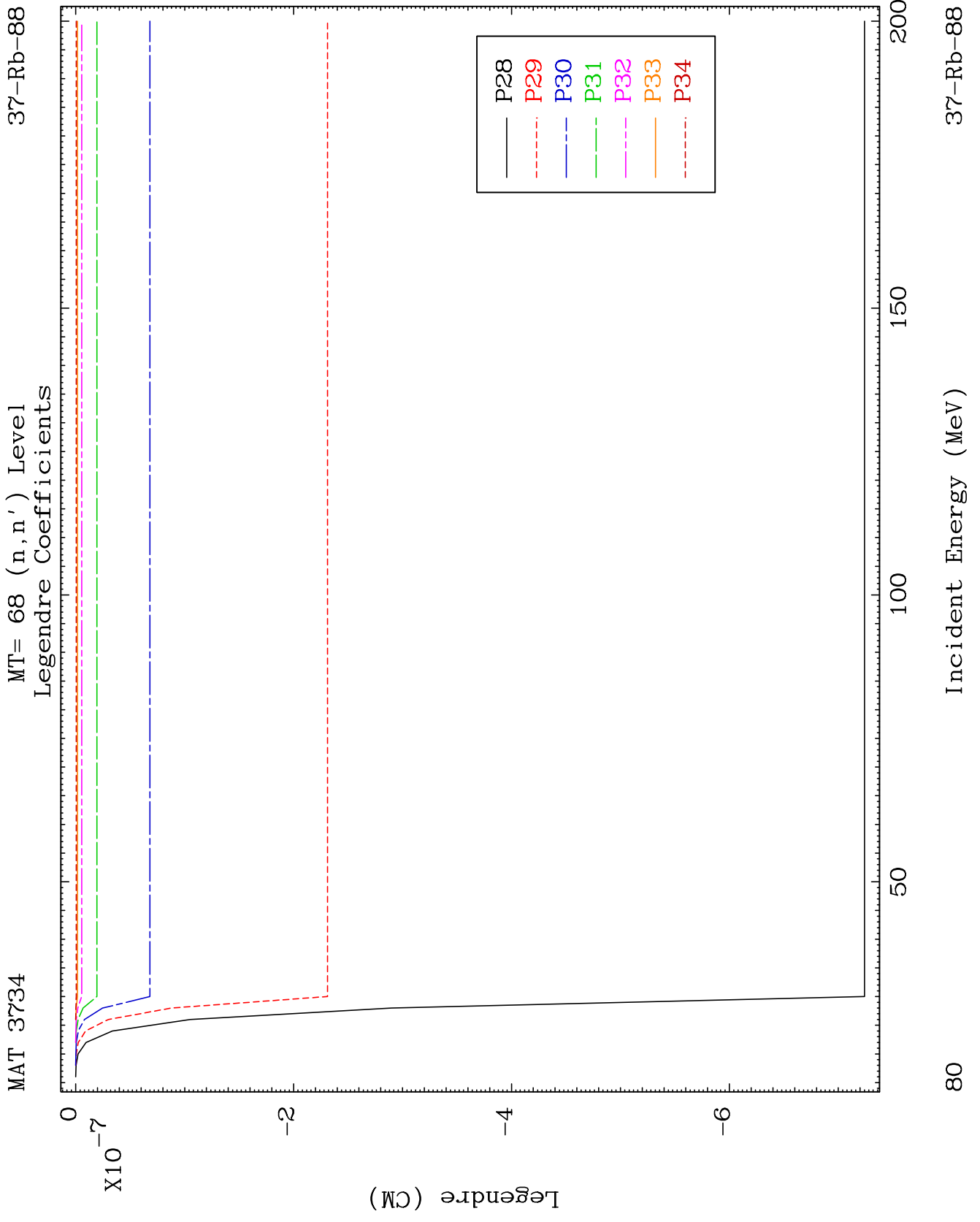
78

Incident Energy (MeV)

37-Rb-88



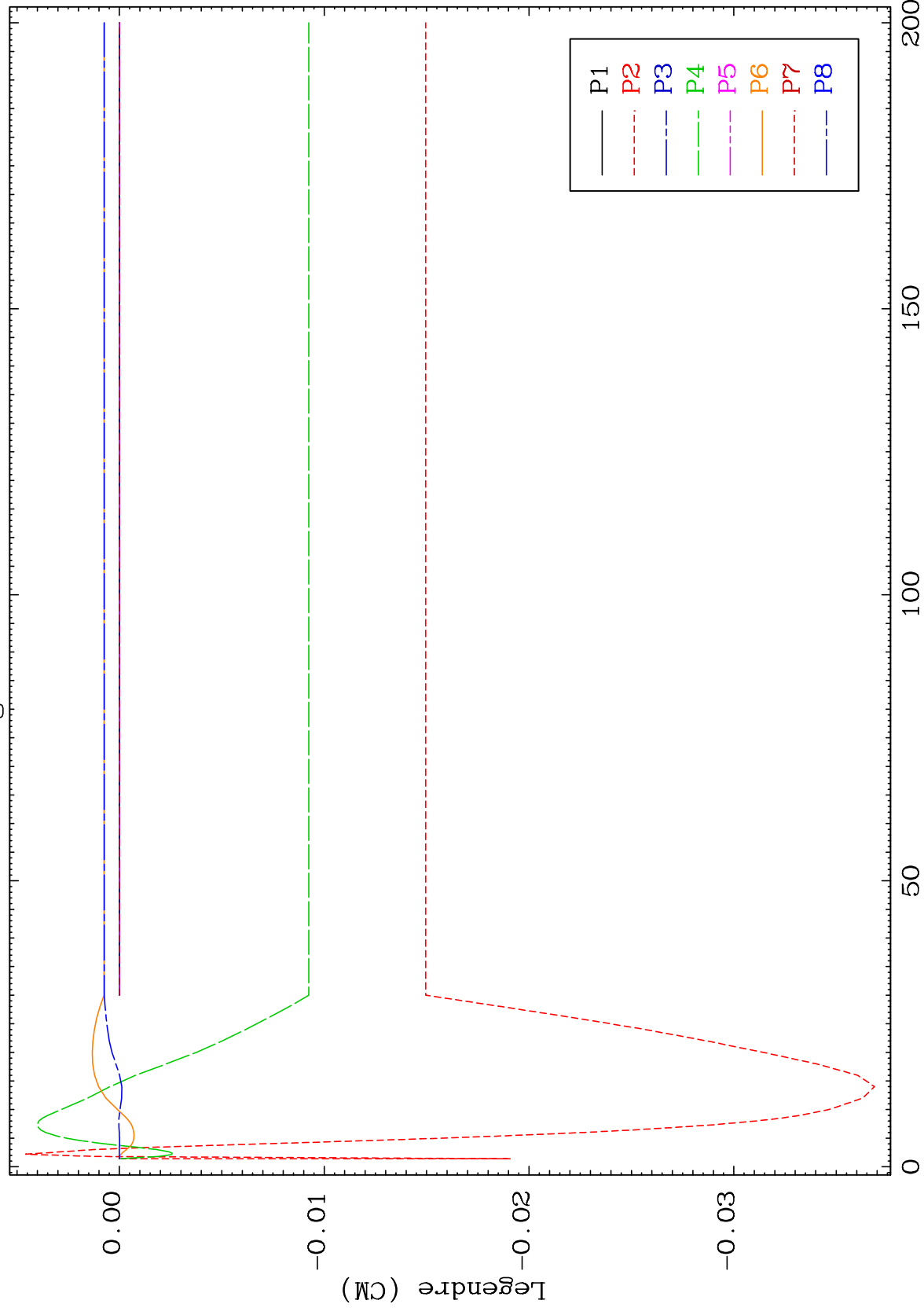




MAT 3734

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

37-Rb-88



81

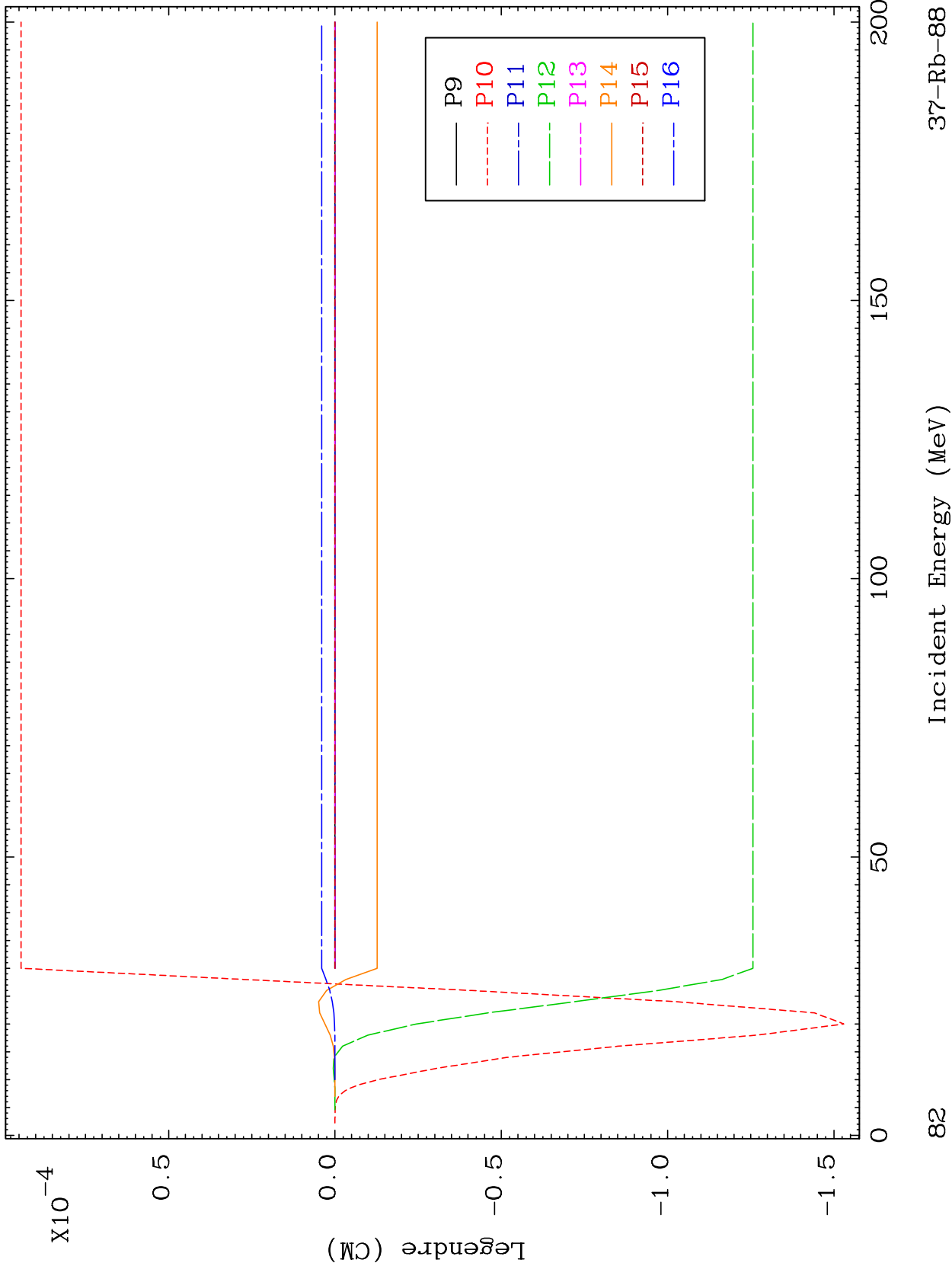
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



82

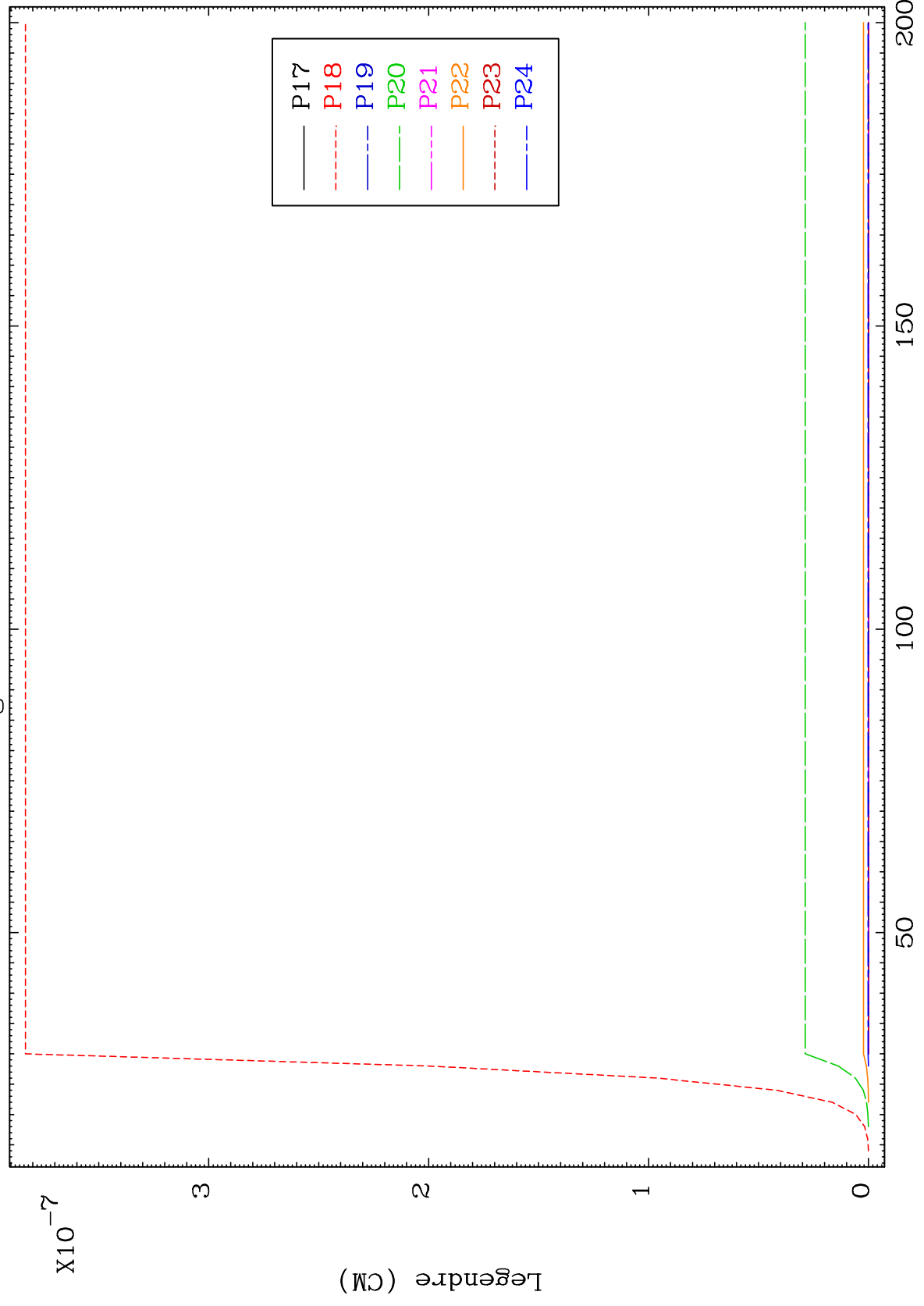
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



83

Incident Energy (MeV)

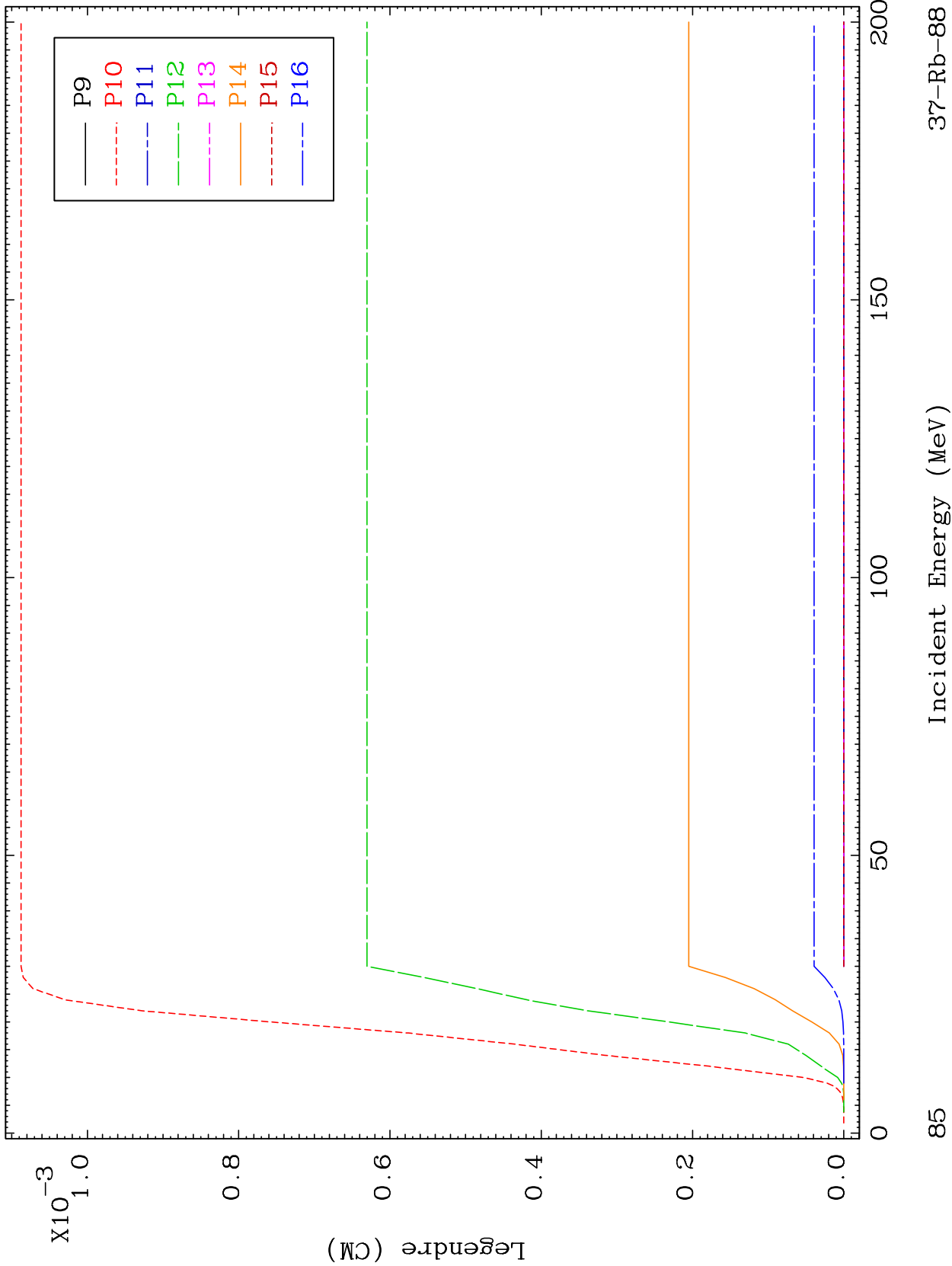
37-Rb-88



MAT 3734

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

37-Rb-88



85

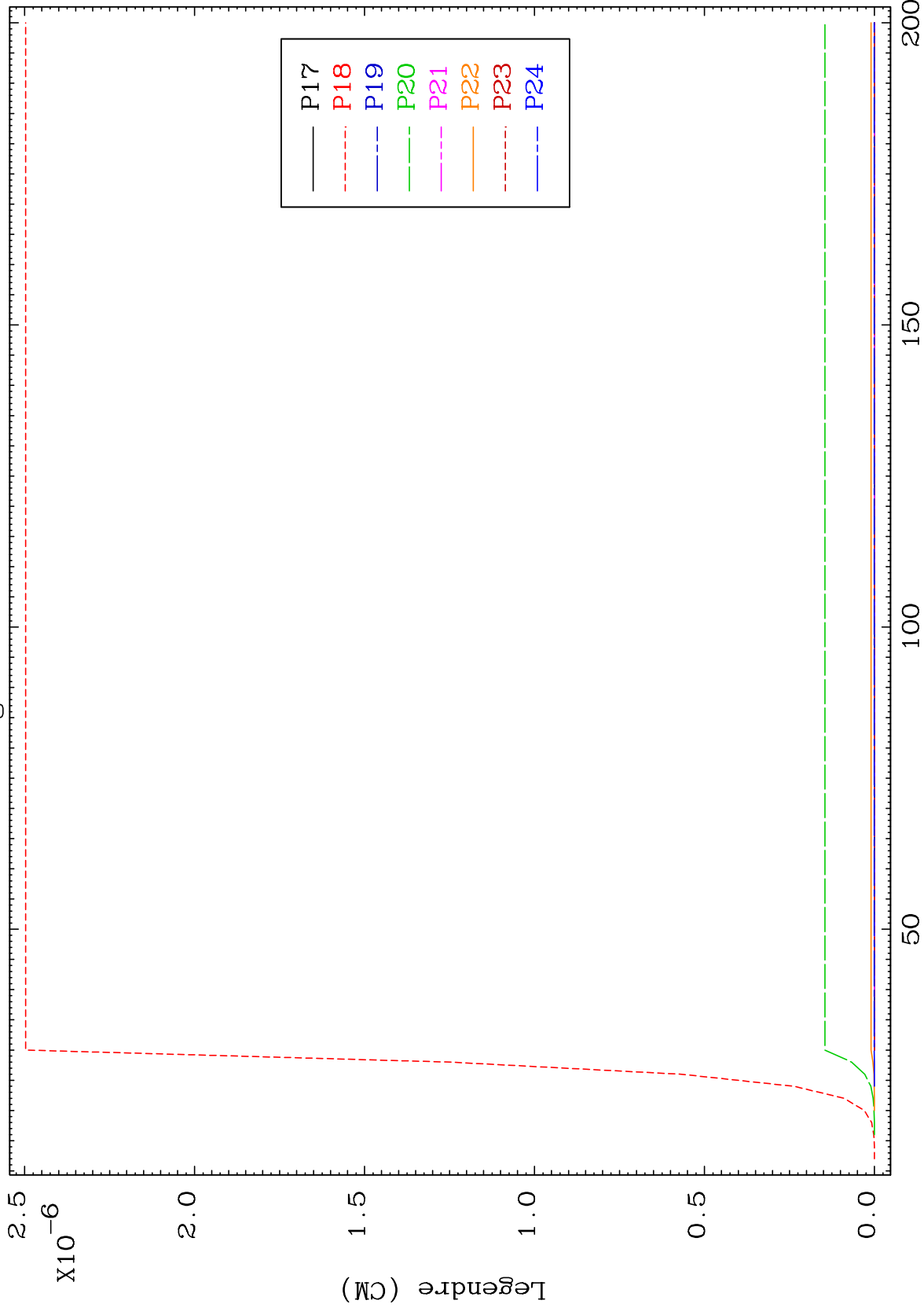
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



37-Rb-88

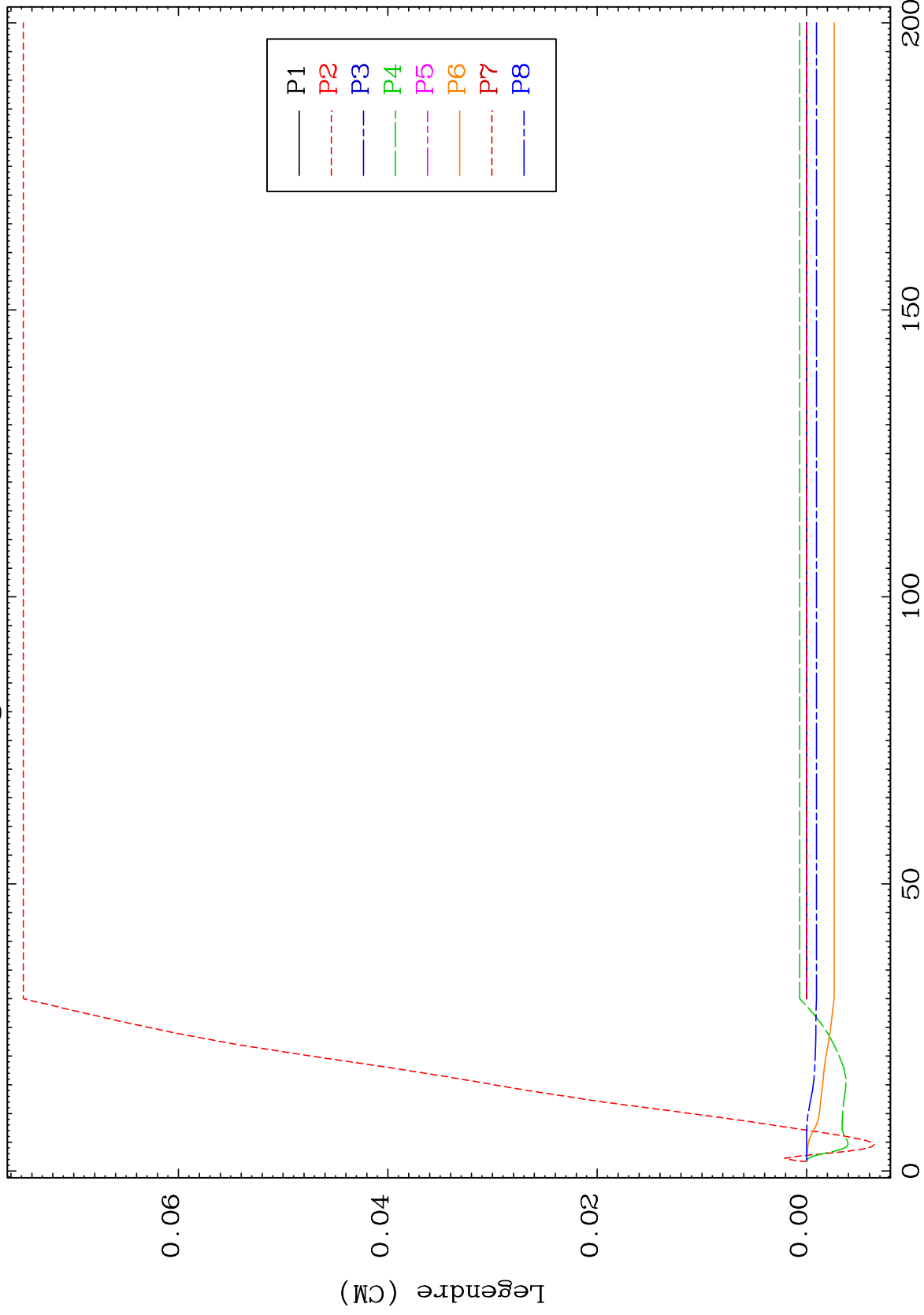
Incident Energy (MeV)

86

MAT 3734

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

37-Rb-88



87

Incident Energy (MeV)

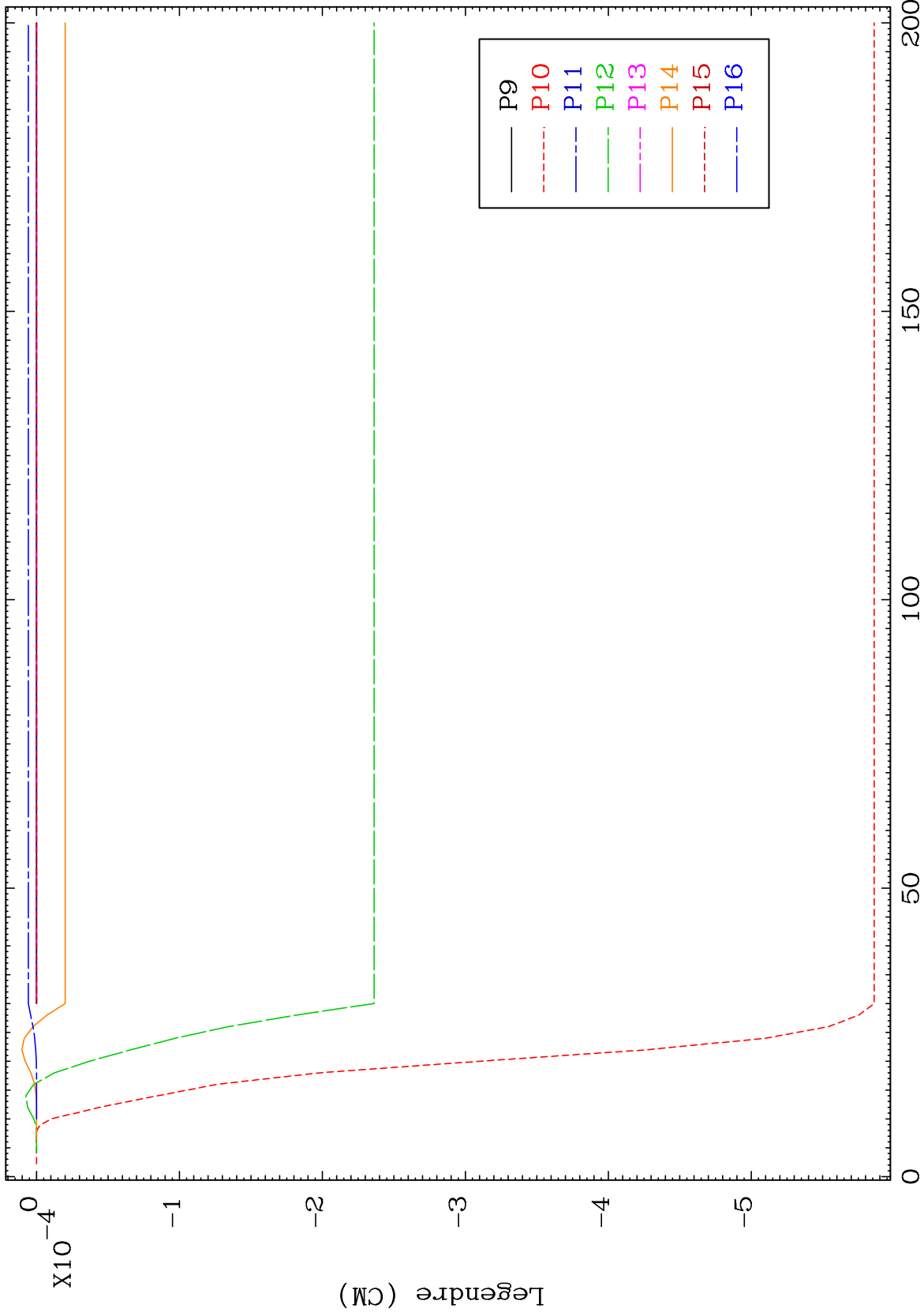
37-Rb-88



MAT 3734

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

37-Rb-88



88

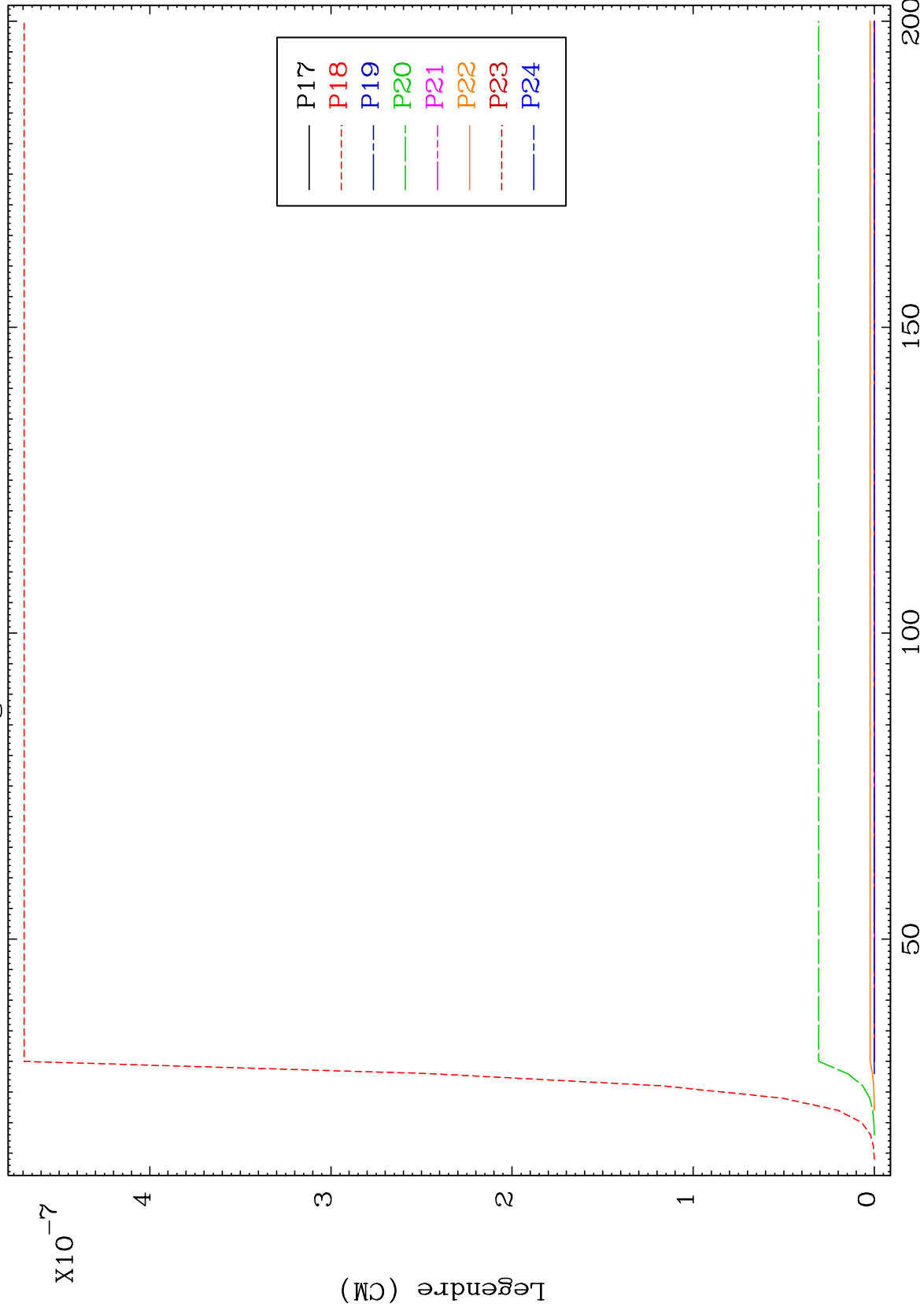
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



89

Incident Energy (MeV)

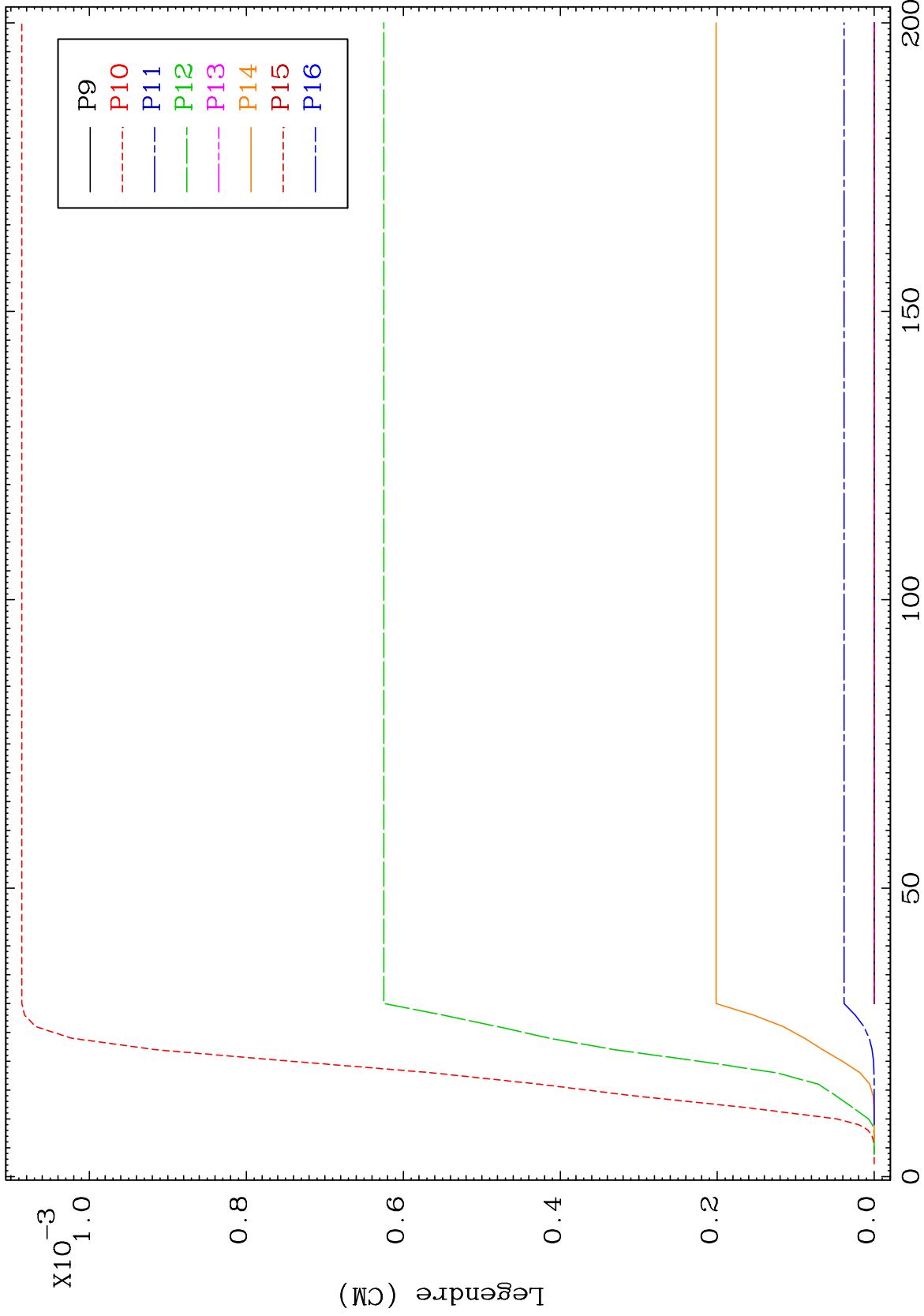
37-Rb-88



MAT 3734

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

37-Rb-88



91

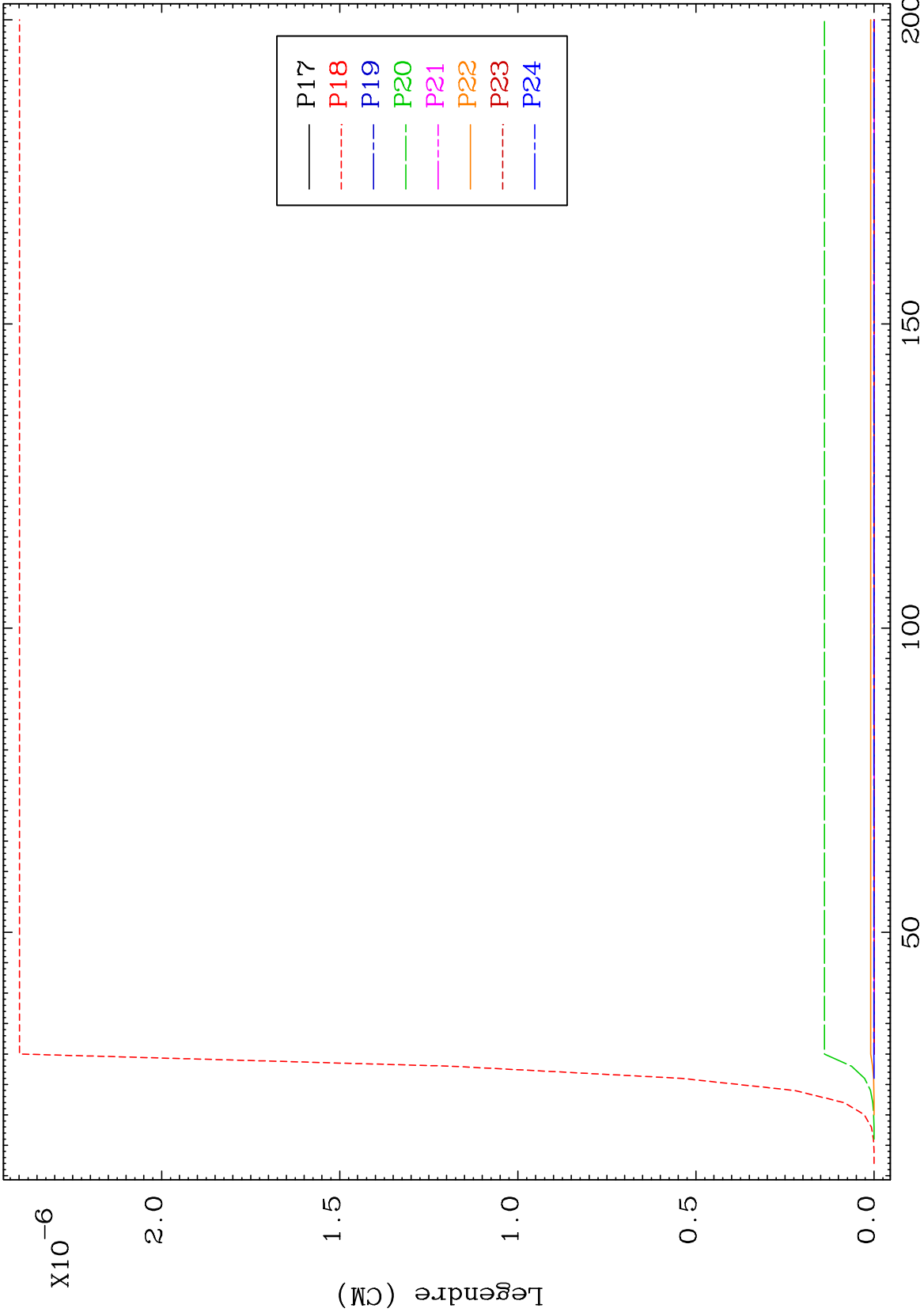
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



92

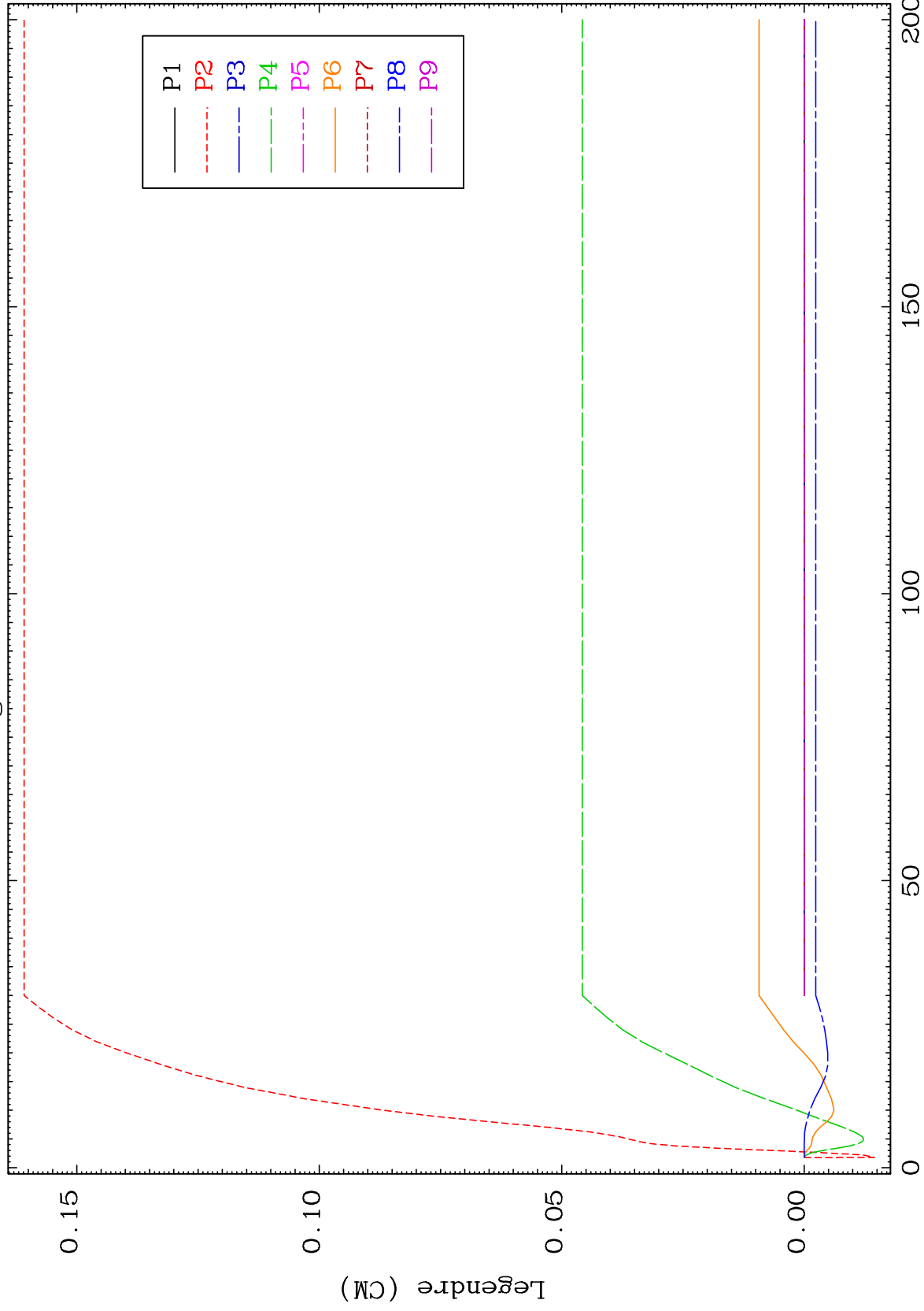
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



93

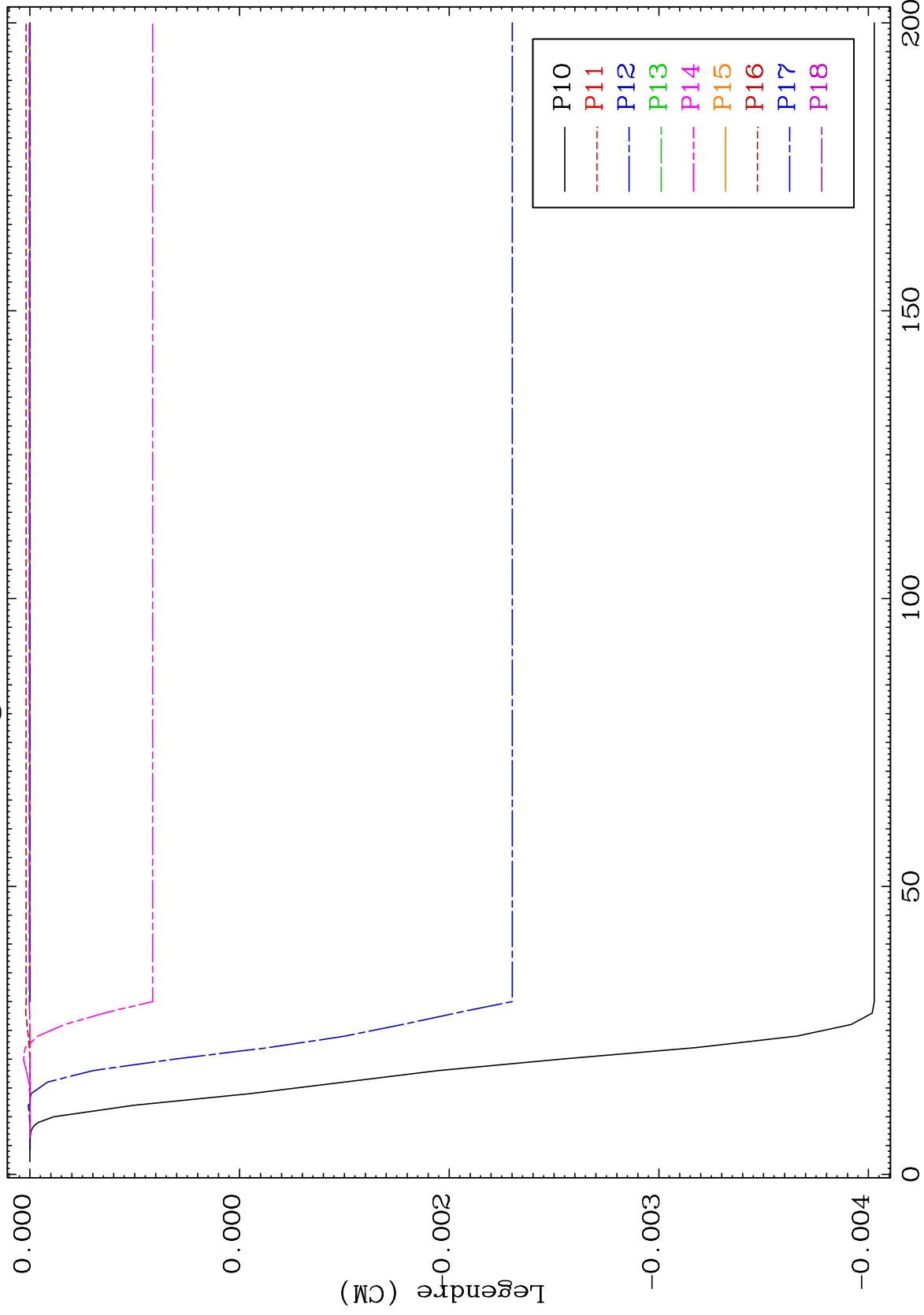
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

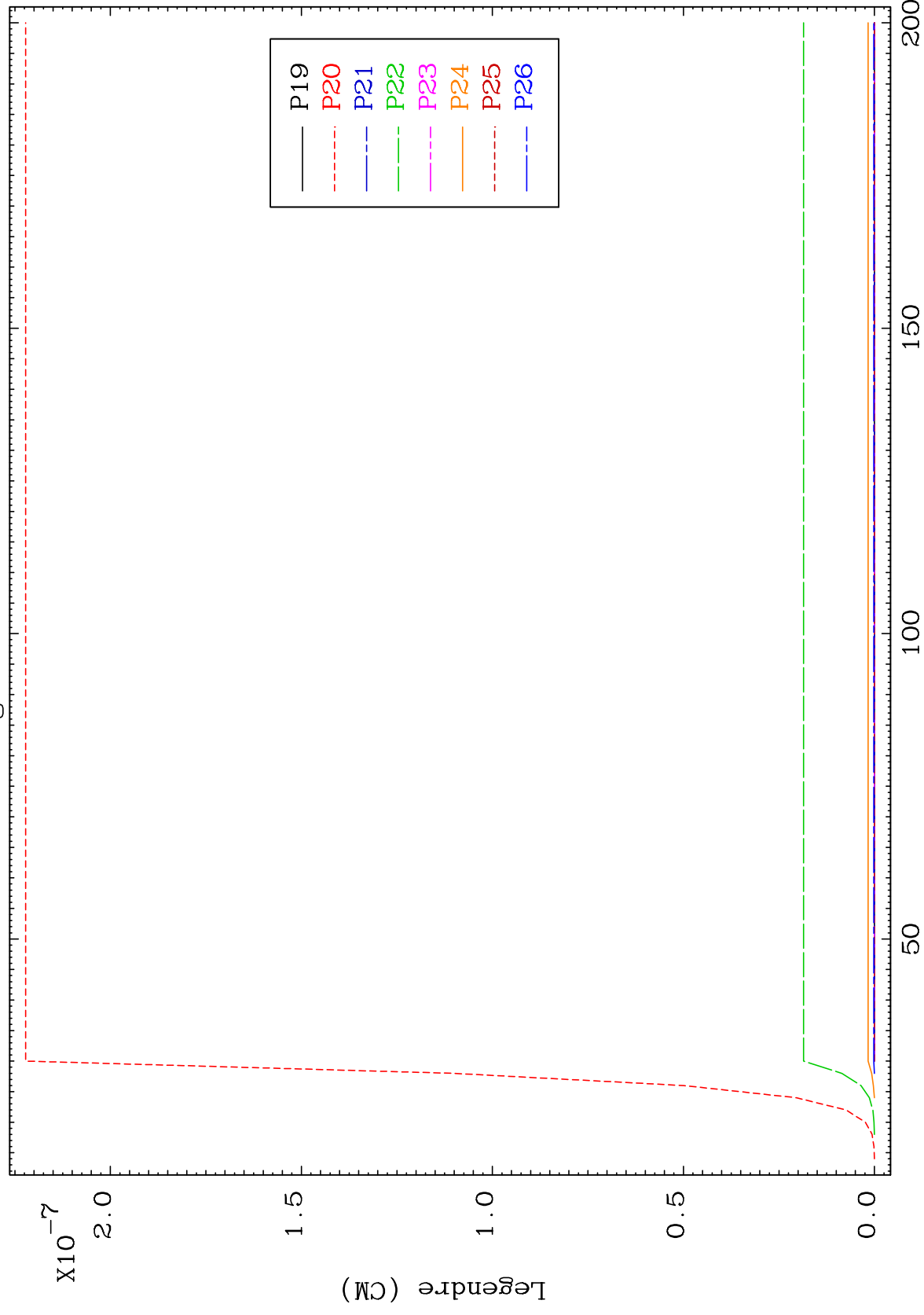
37-Rb-88



MAT 3734

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

37-Rb-88

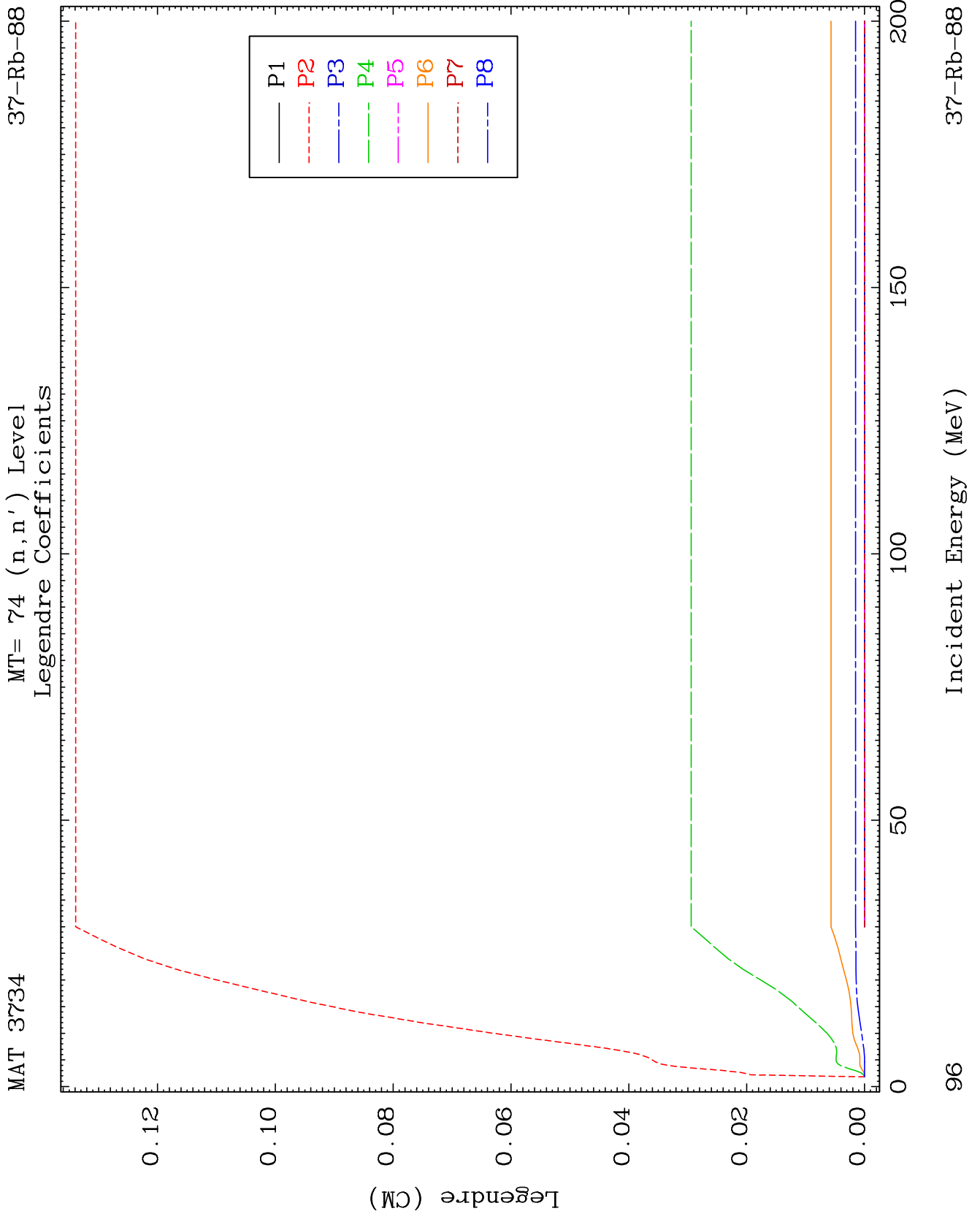


95

Incident Energy (MeV)

37-Rb-88

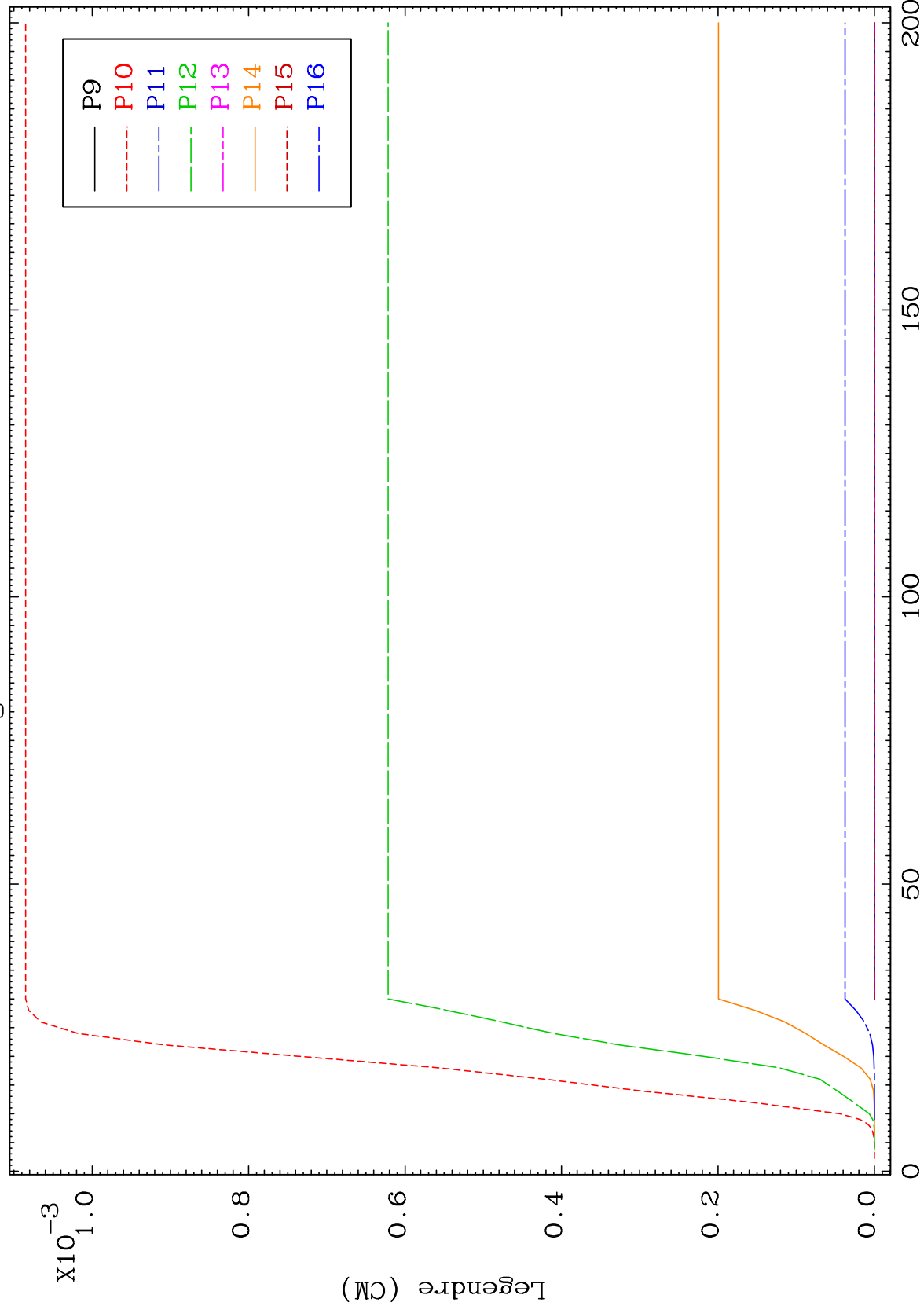




MAT 3734

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

37-Rb-88



97

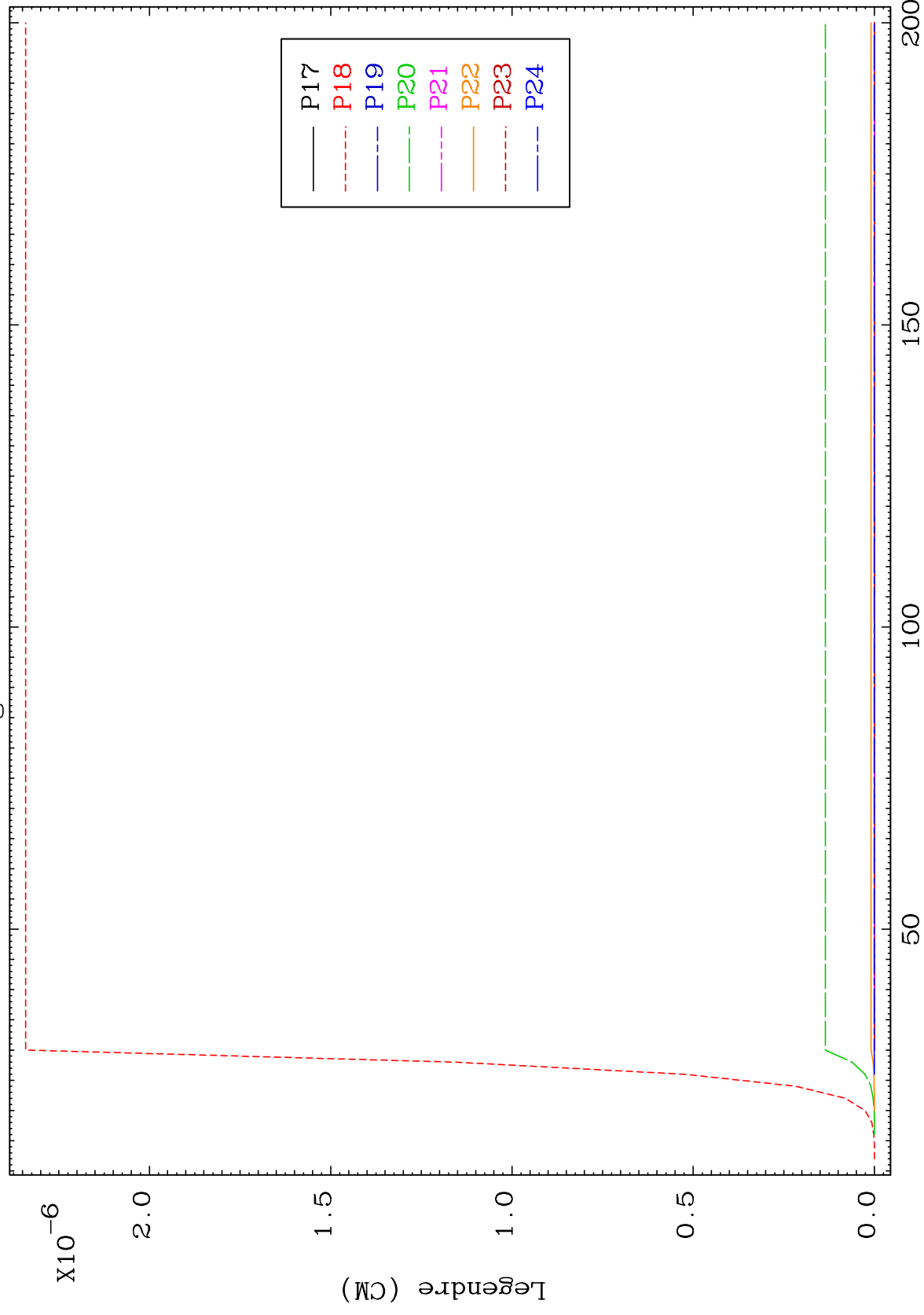
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



98

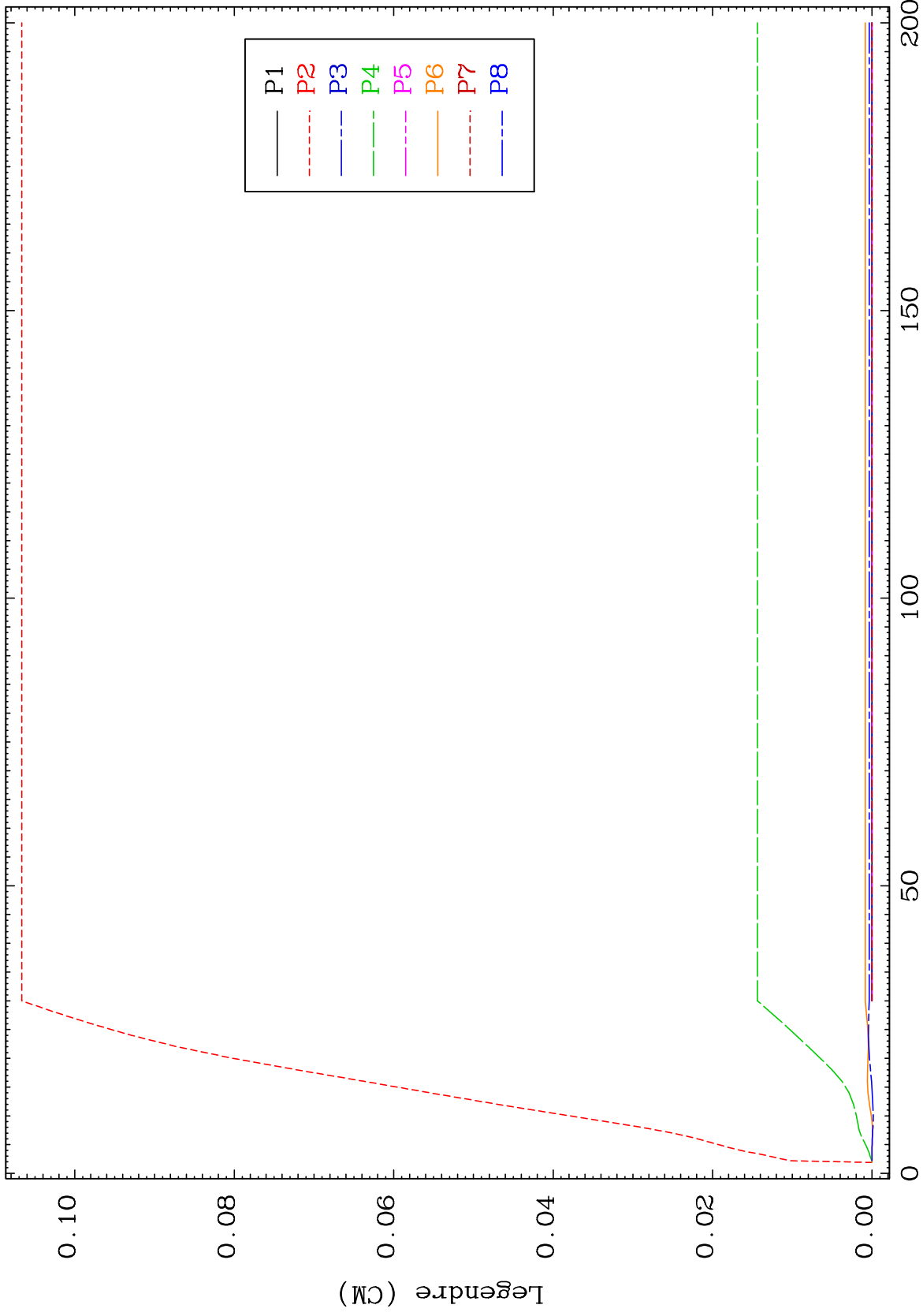
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

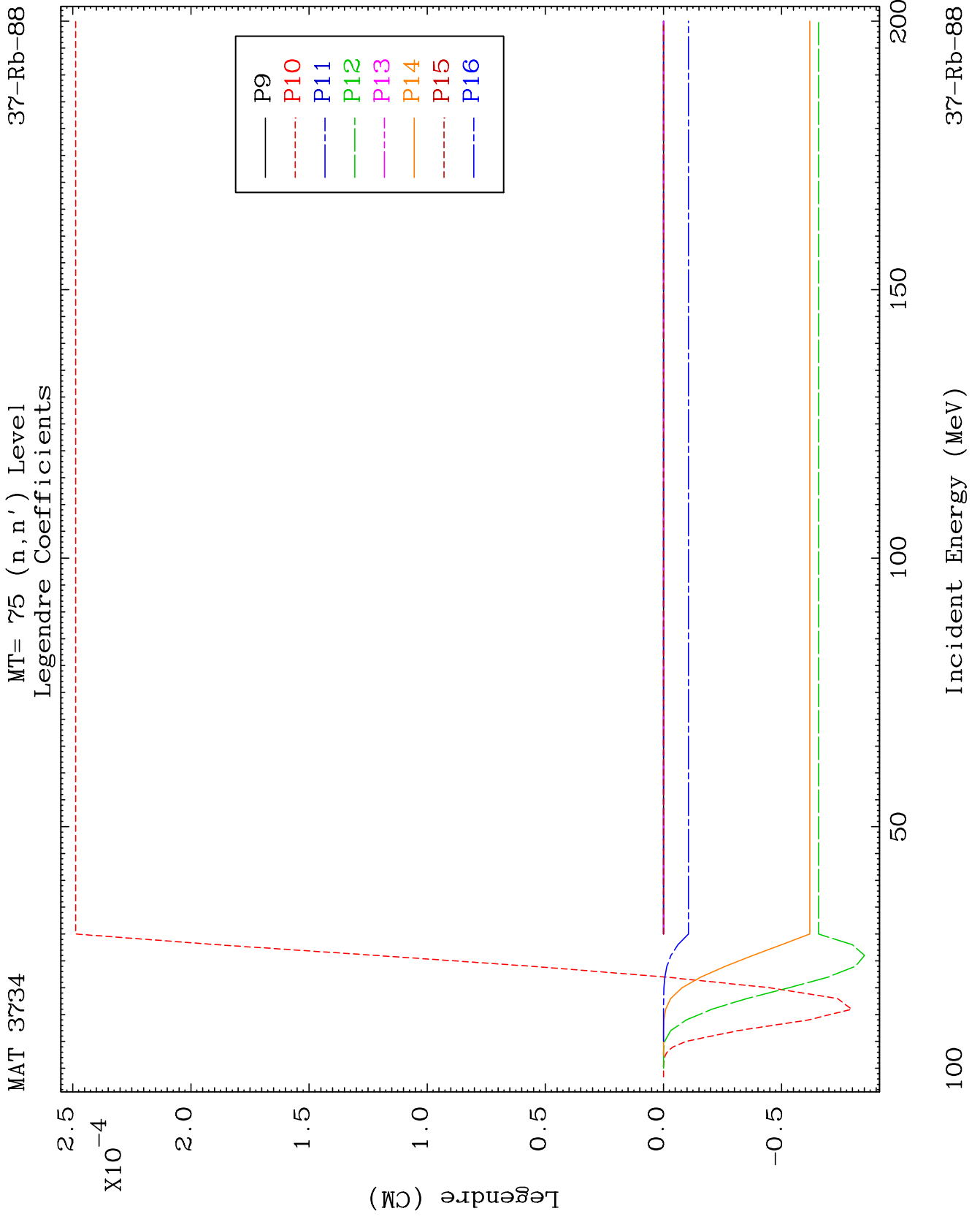
37-Rb-88

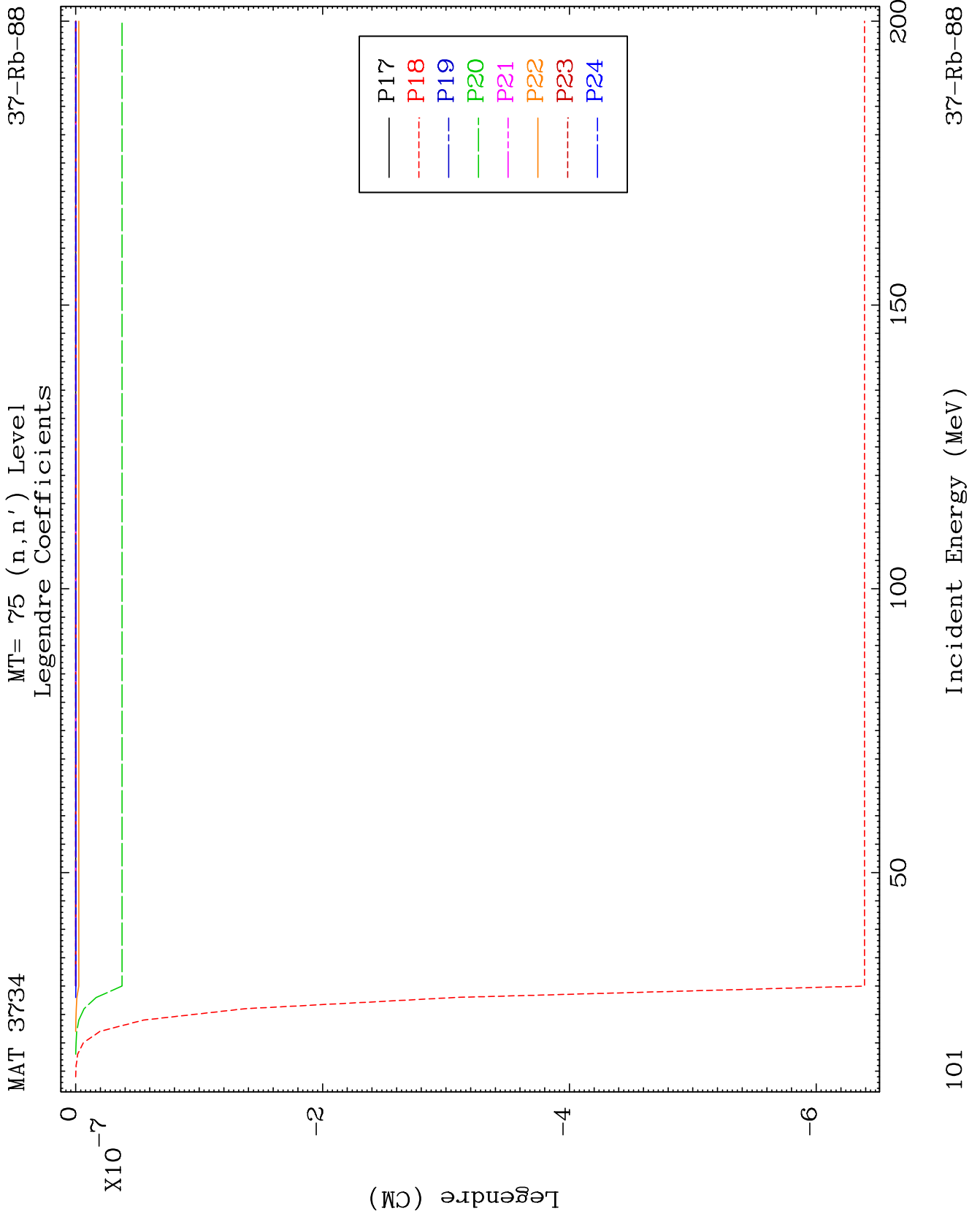


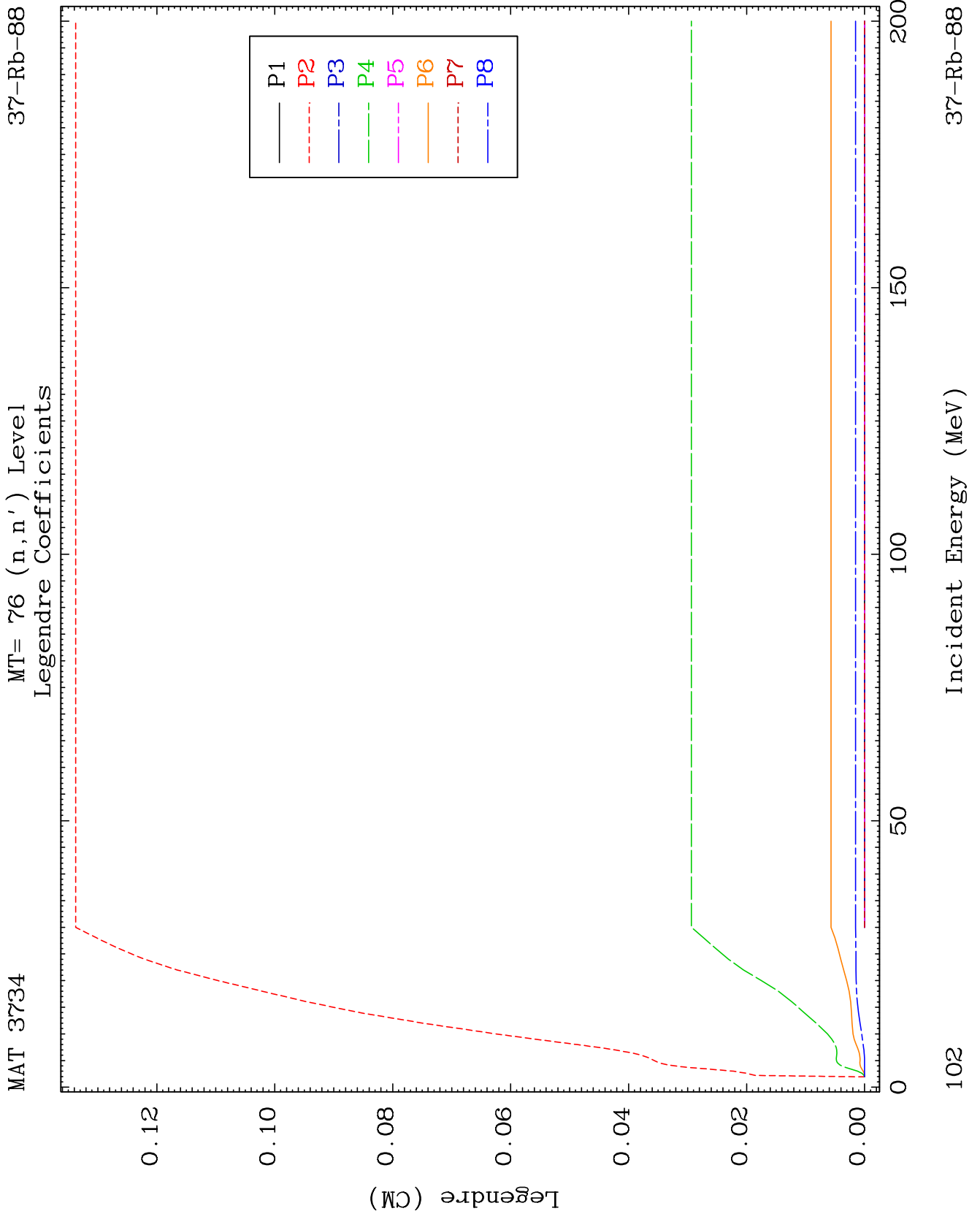
99

Incident Energy (MeV)

37-Rb-88



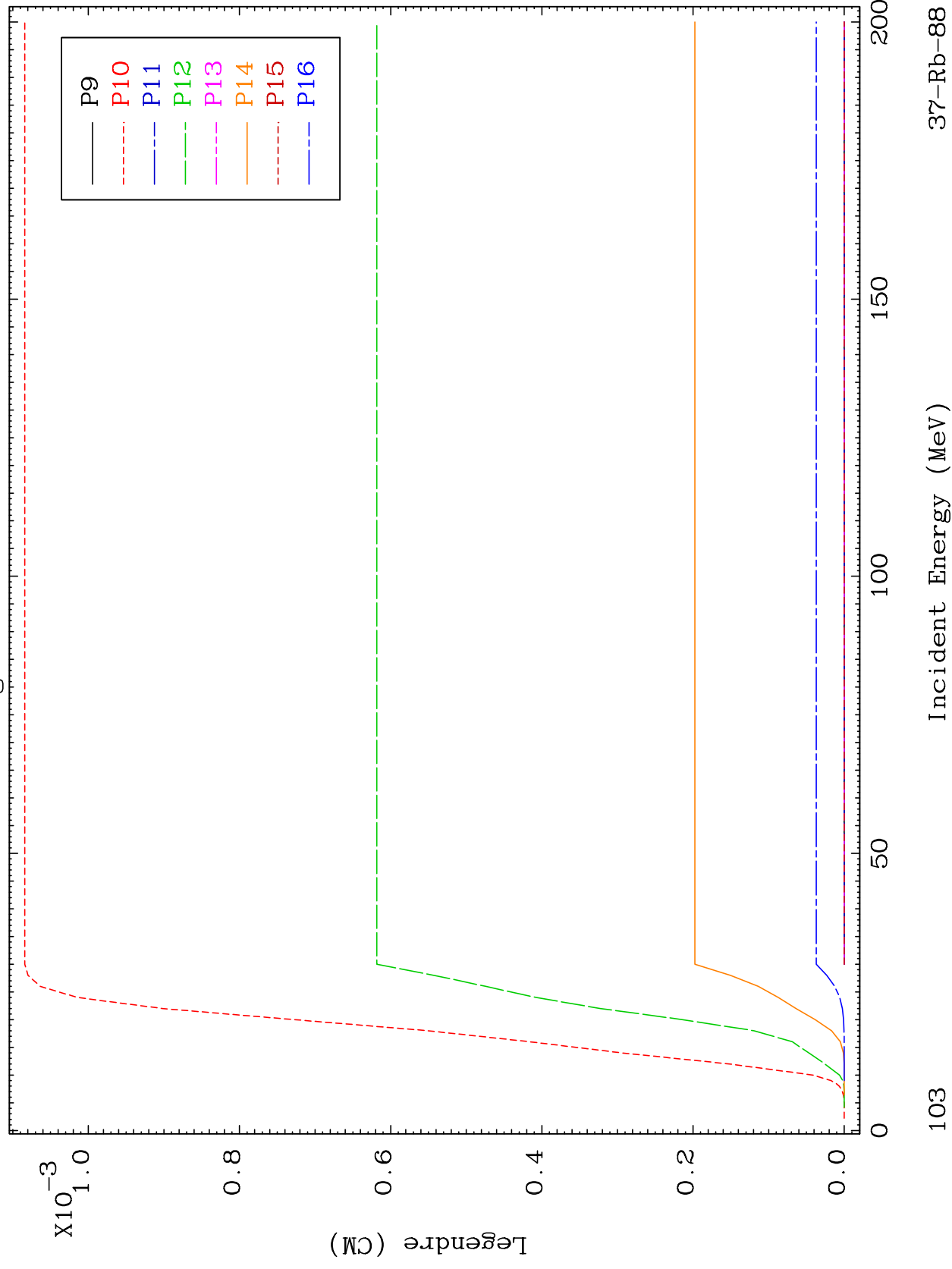




MAT 3734

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

37-Rb-88

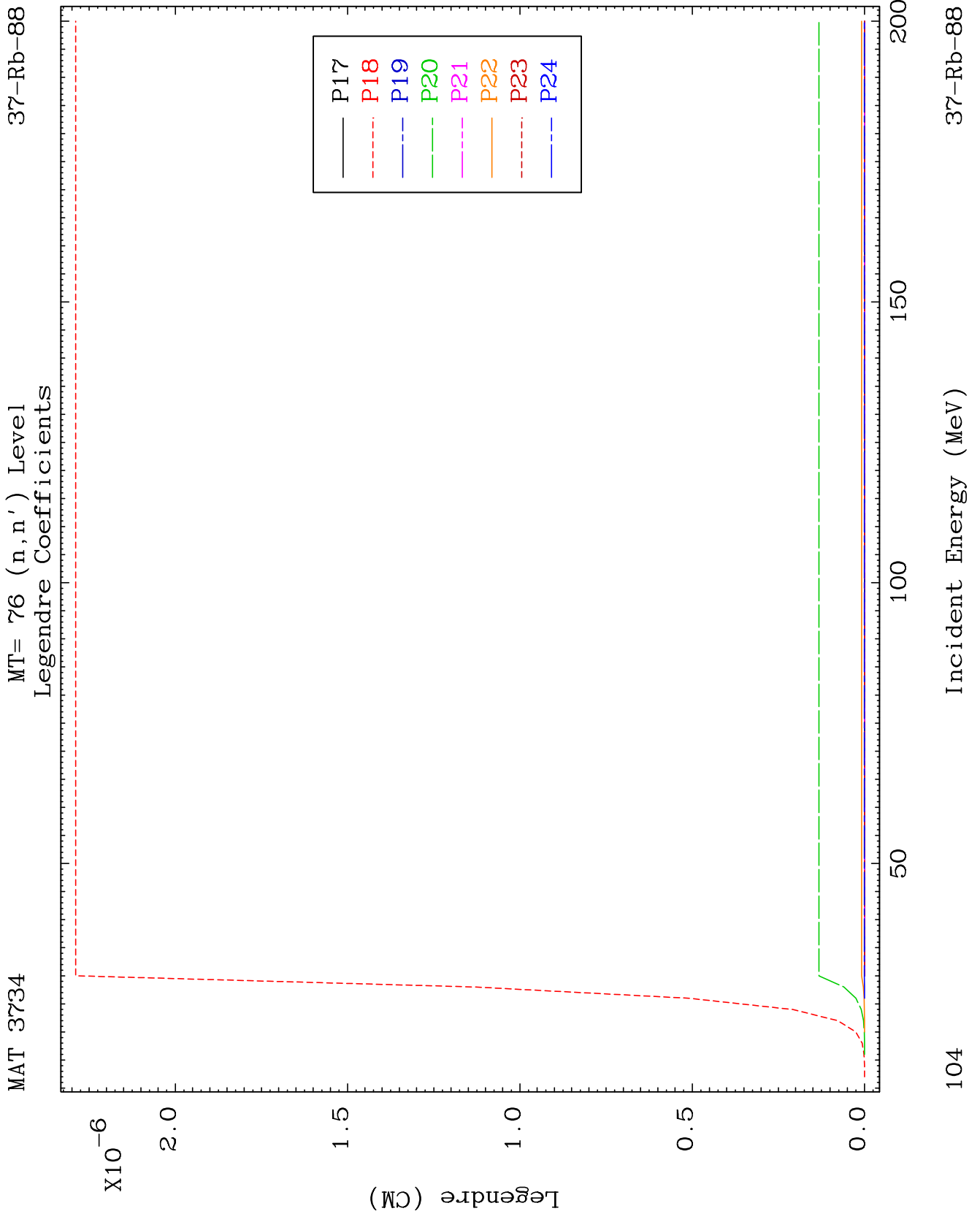


103

Incident Energy (MeV)

37-Rb-88

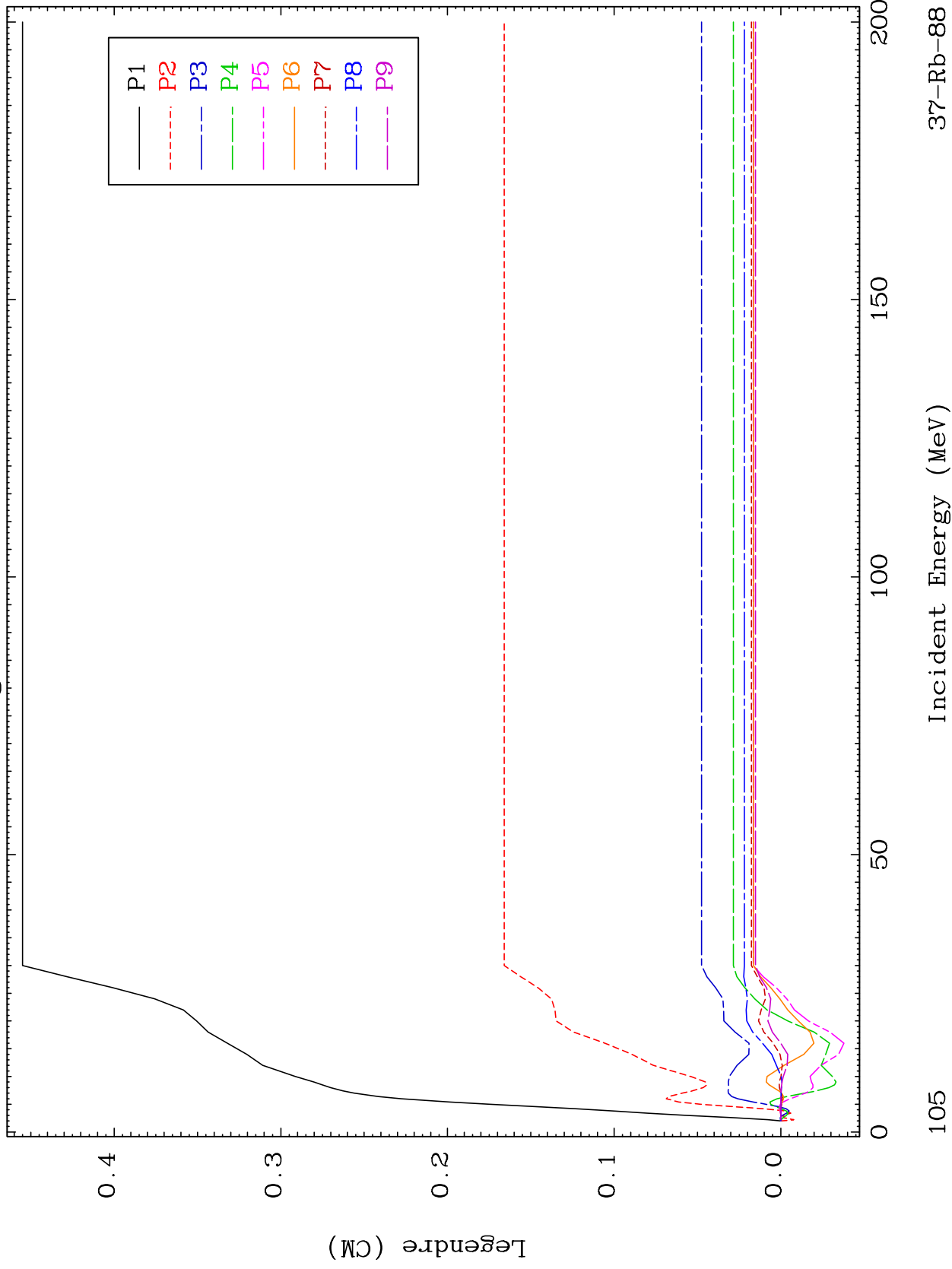




MAT 3734

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

37-Rb-88



37-Rb-88

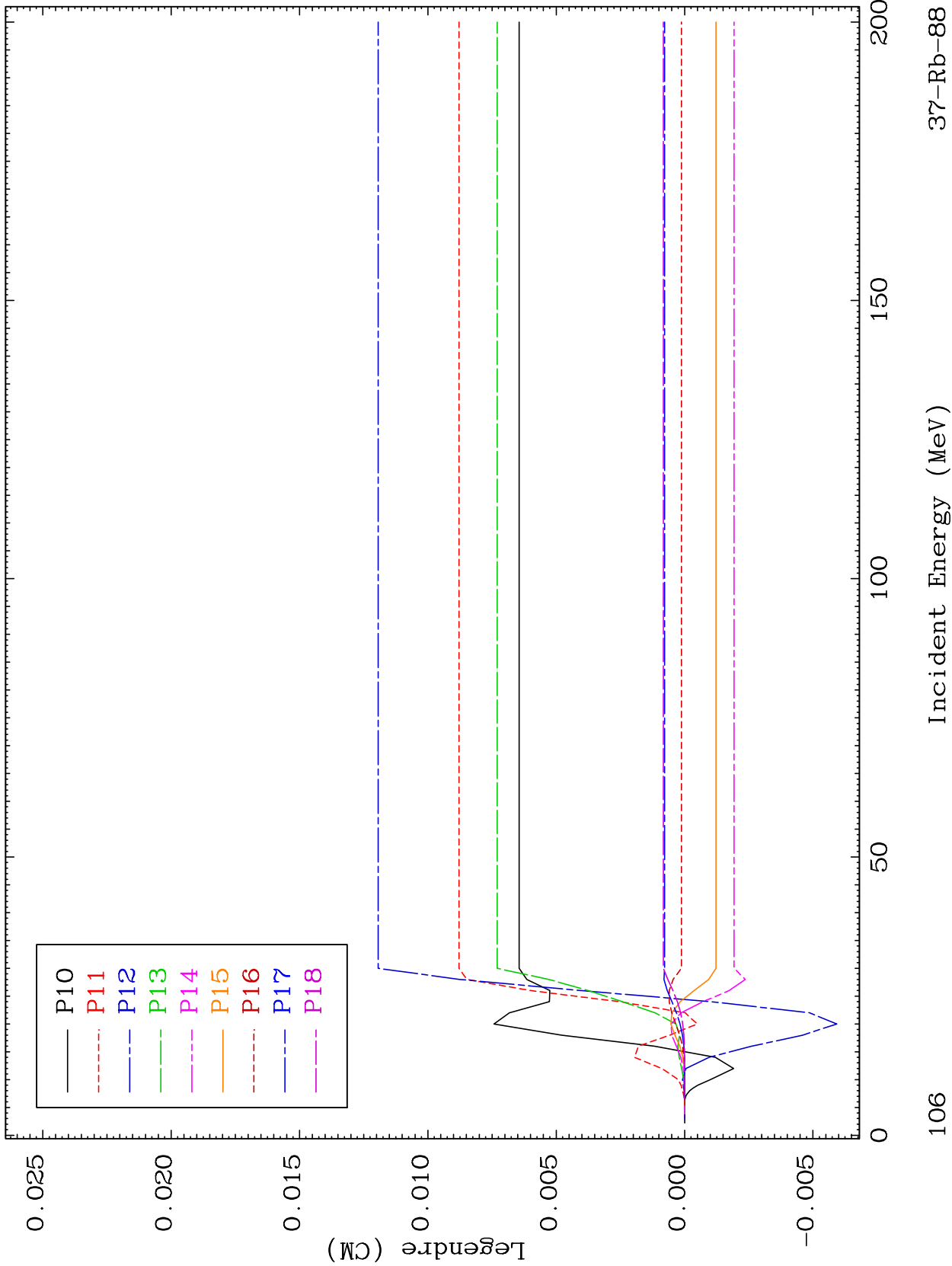
Incident Energy (MeV)

105

MAT 3734

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

37-Rb-88



106

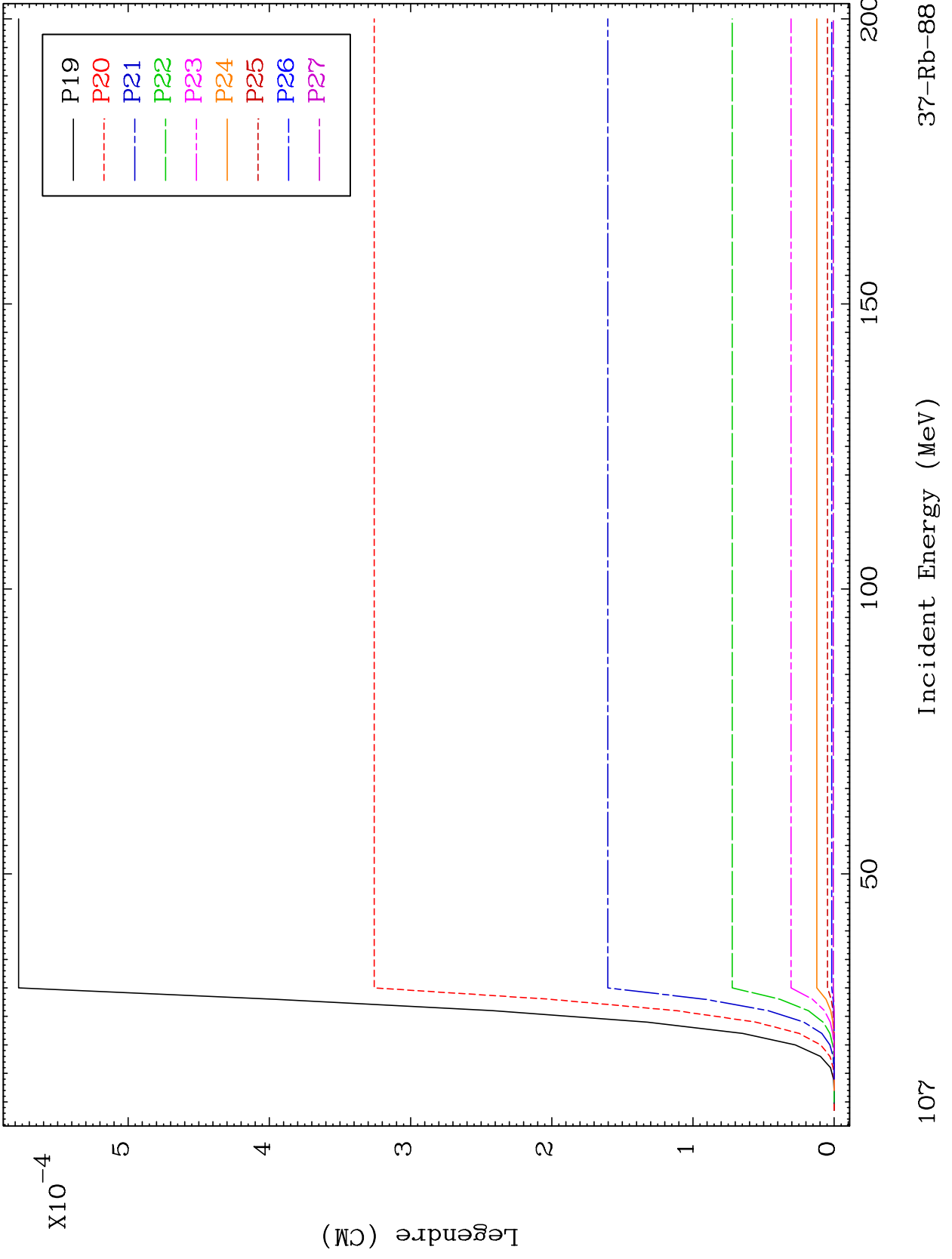
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



107

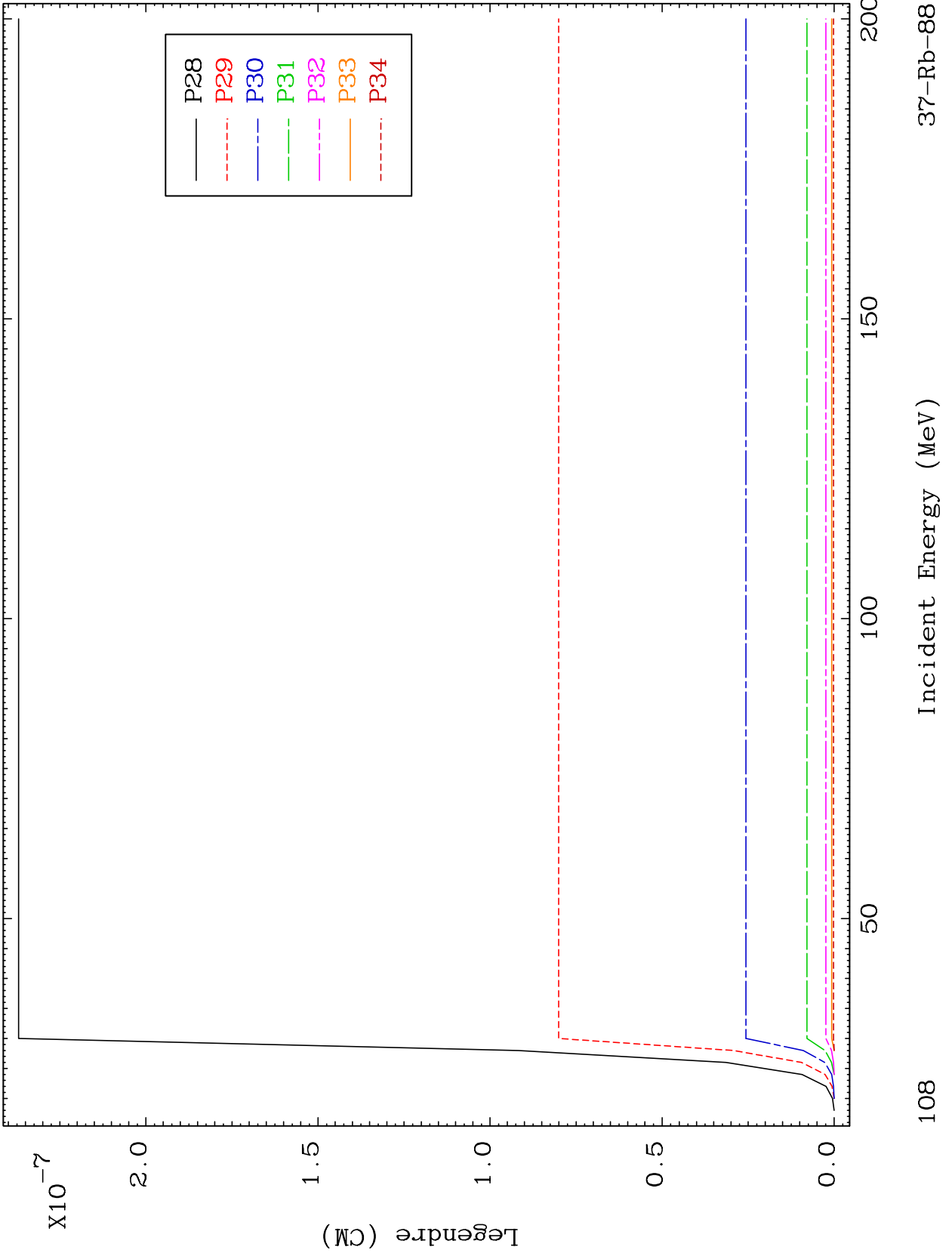
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



108

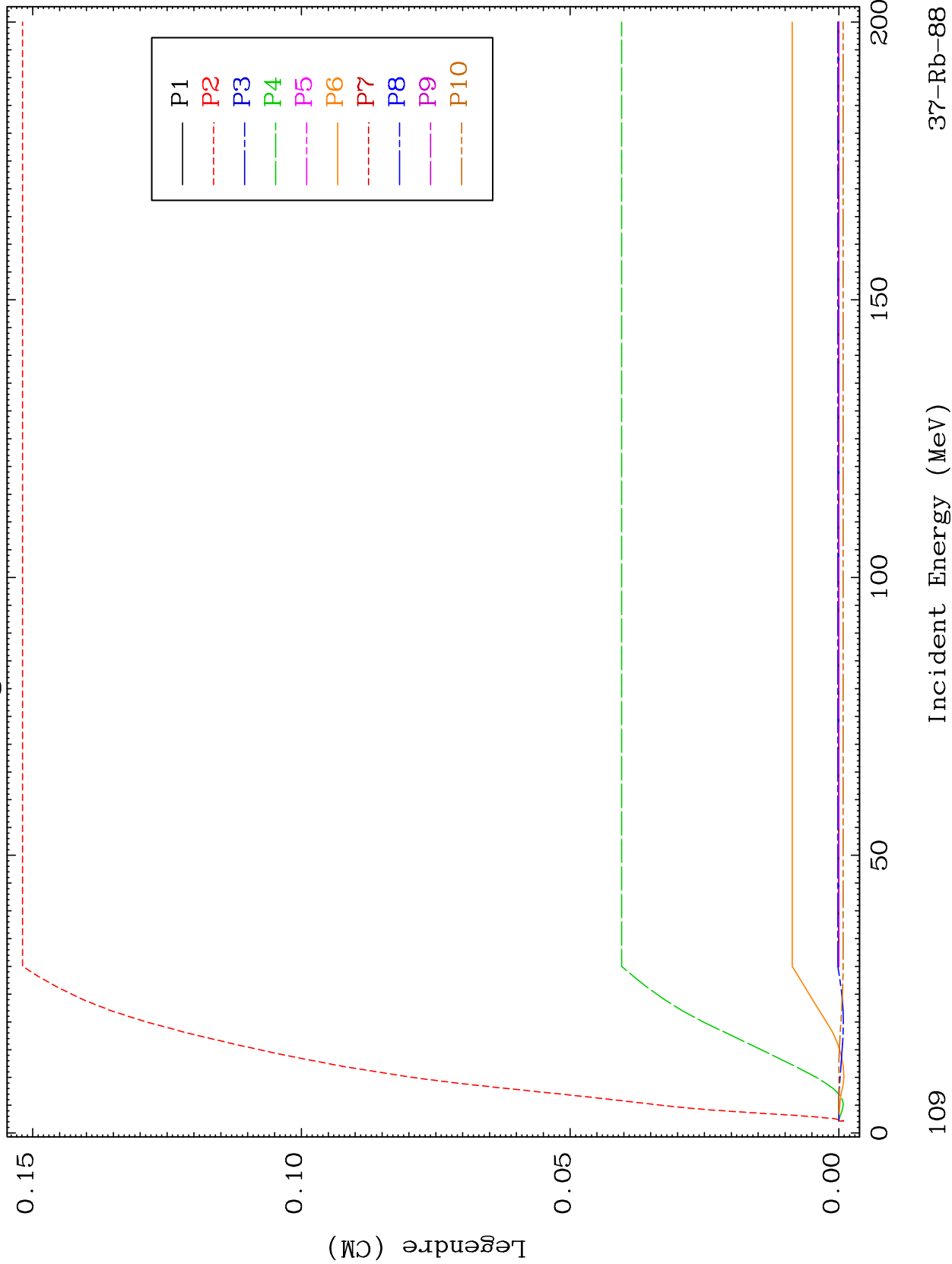
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



37-Rb-88

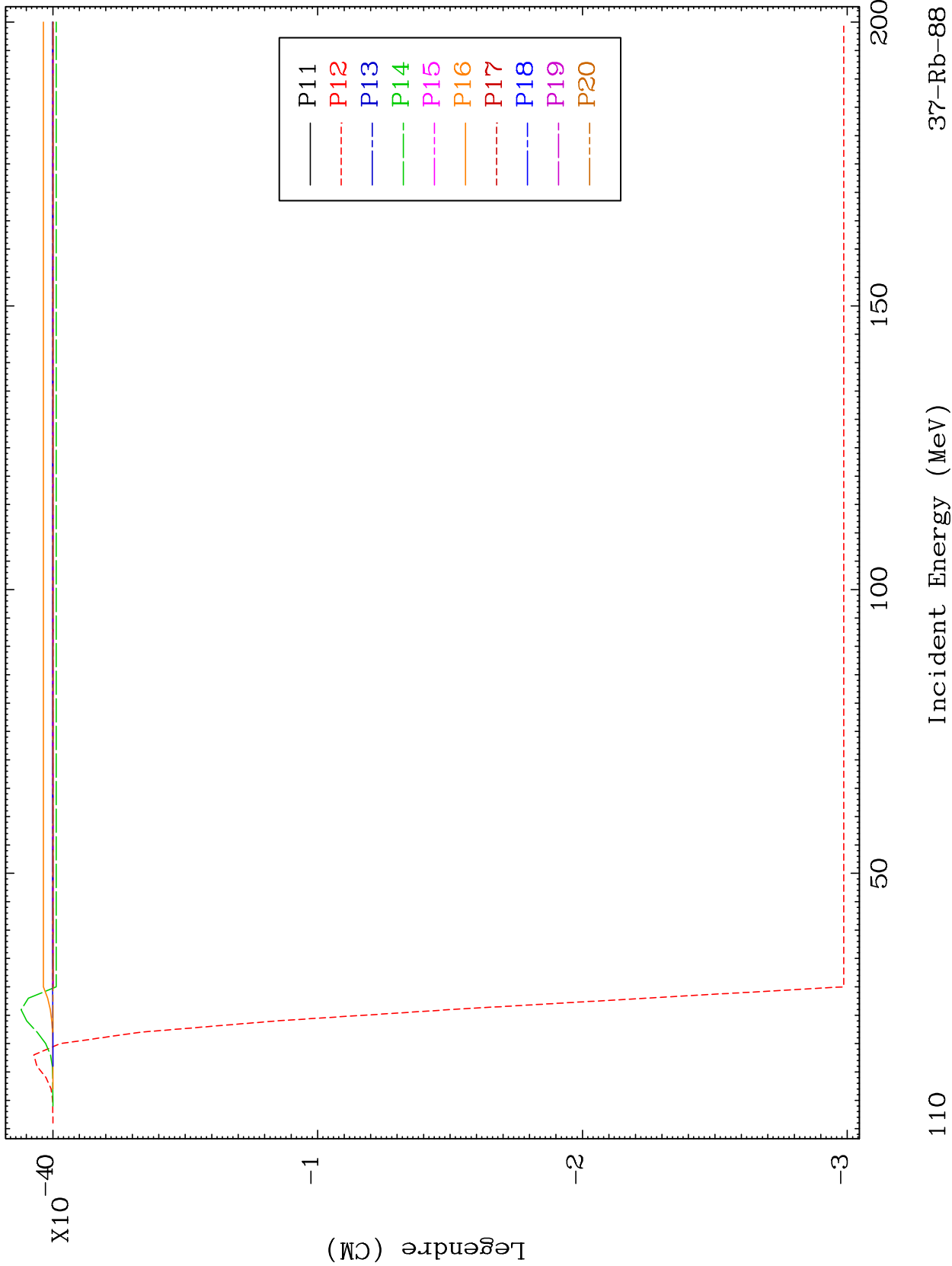
Incident Energy (MeV)

109

MAT 3734

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

37-Rb-88



110

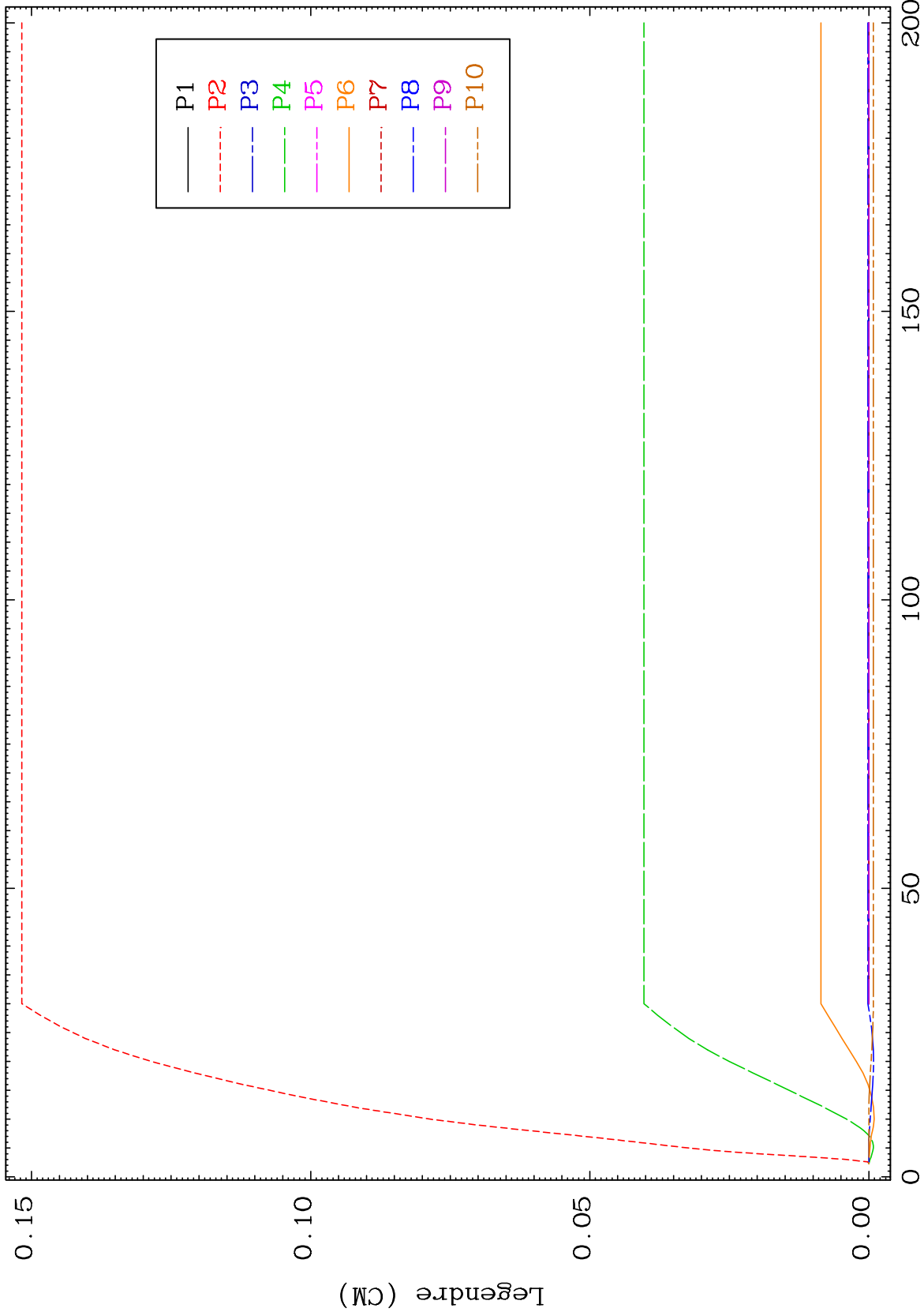
Incident Energy (MeV)

37-Rb-88

MAT 3734

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

37-Rb-88



111

Incident Energy (MeV)

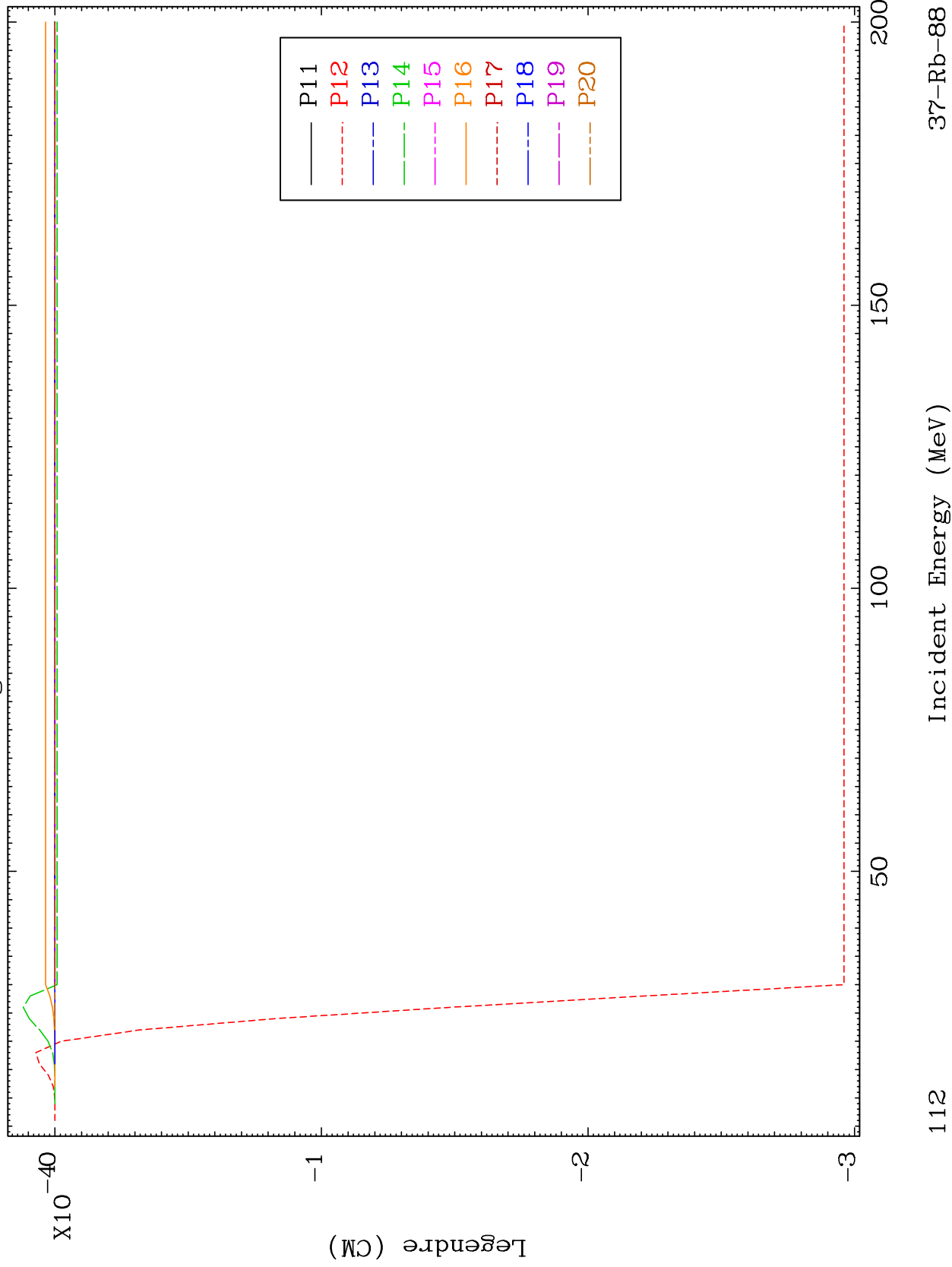
37-Rb-88

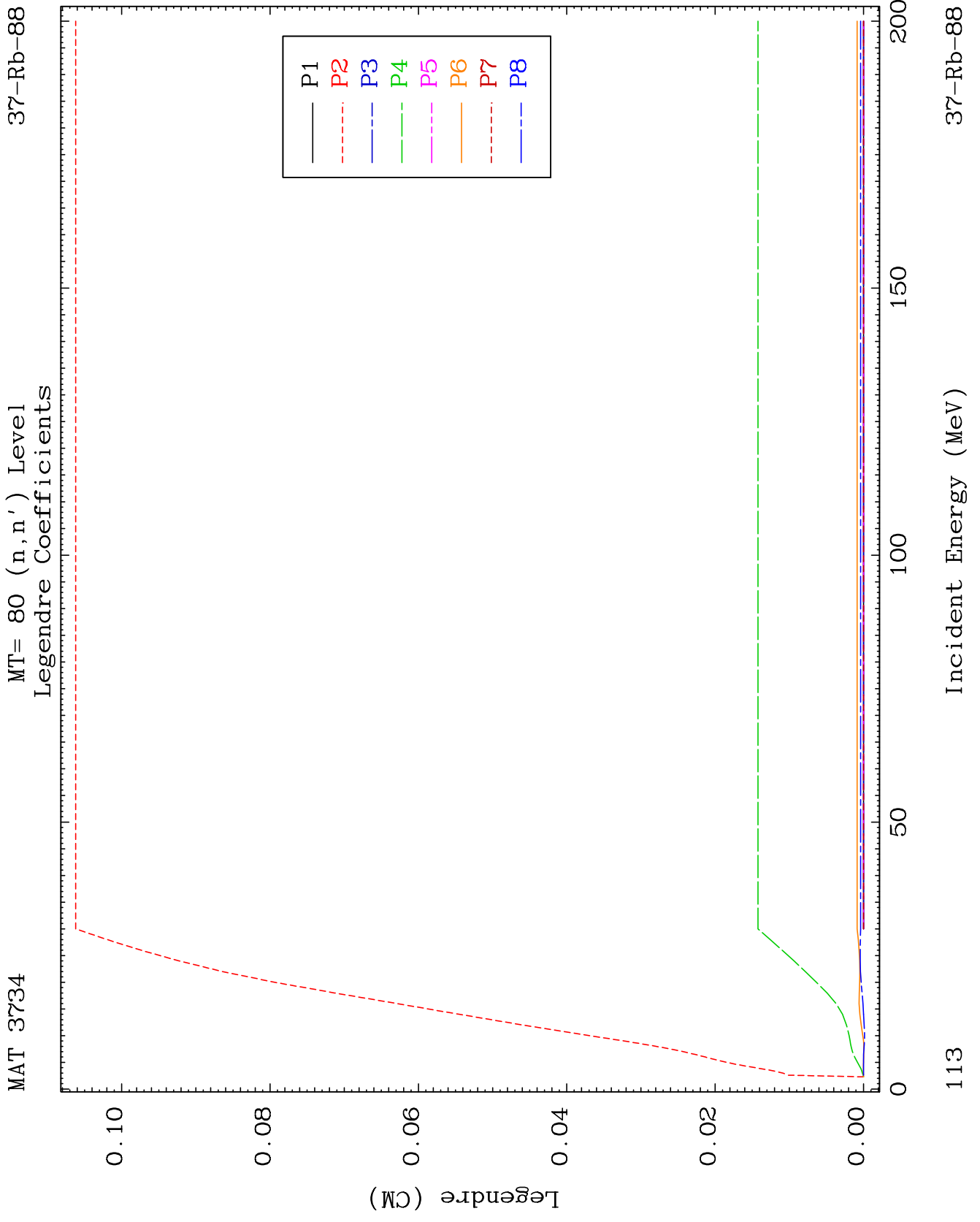


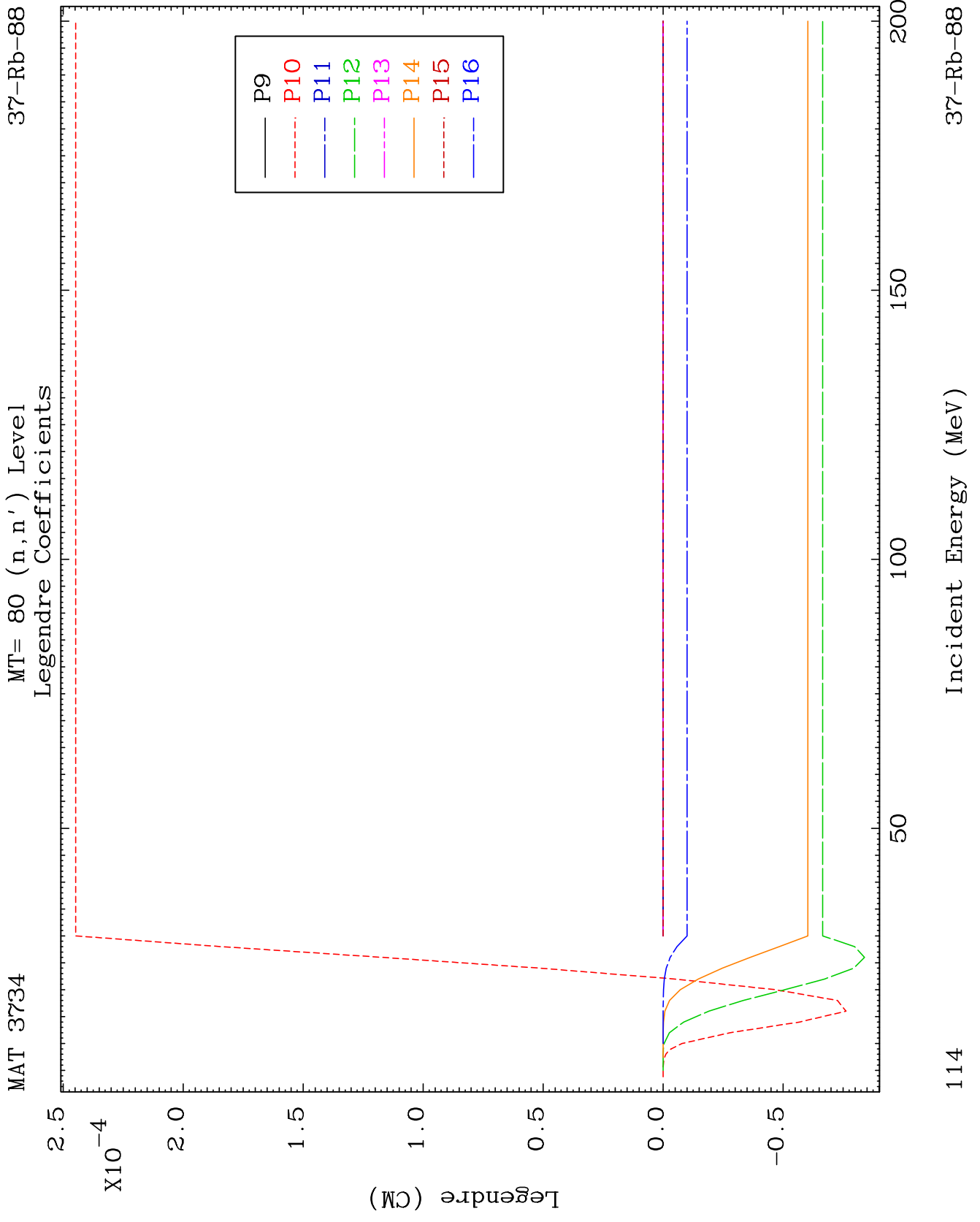
MAT 3734

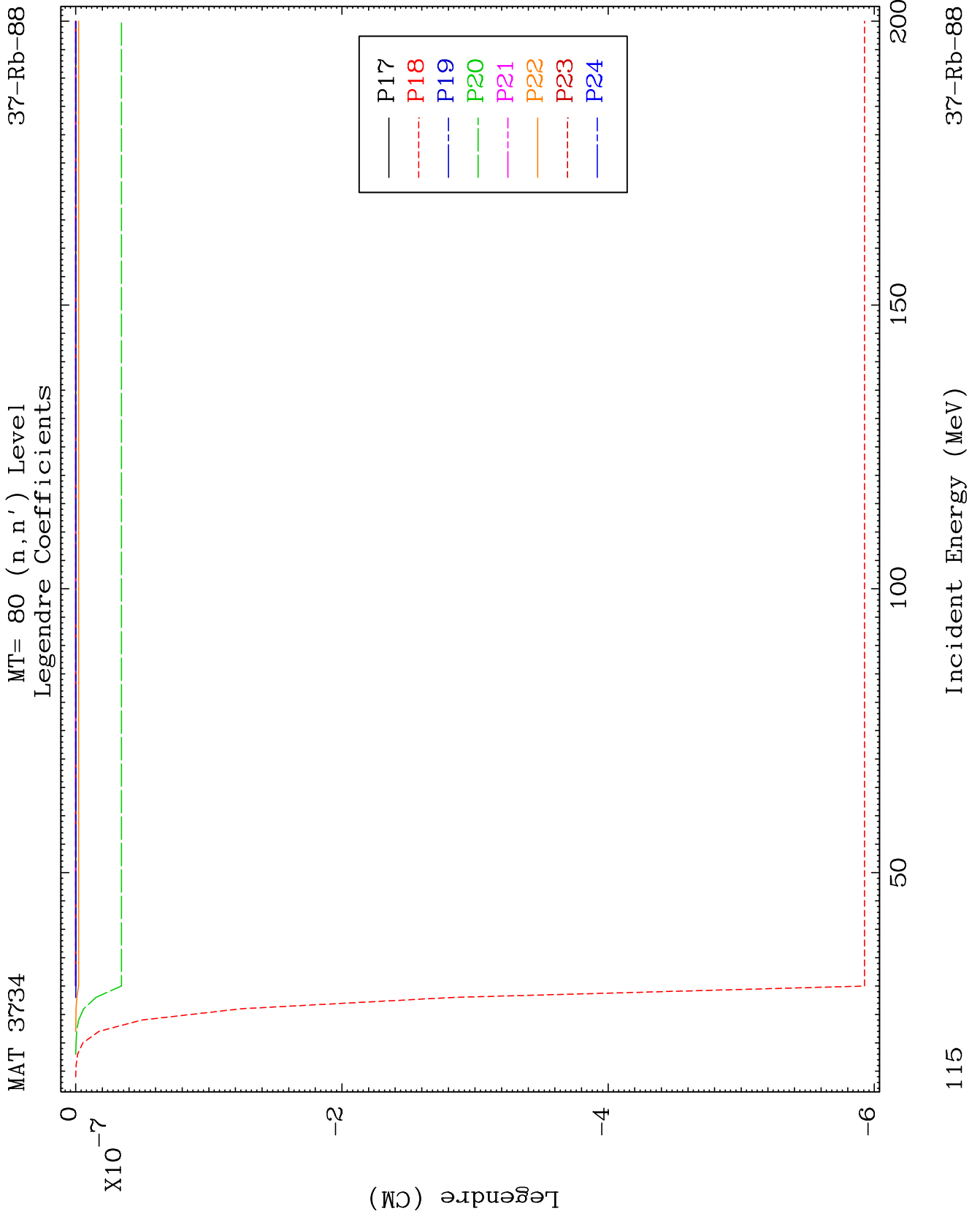
MT= 79 (n,n') Level  
Legendre Coefficients

37-Rb-88

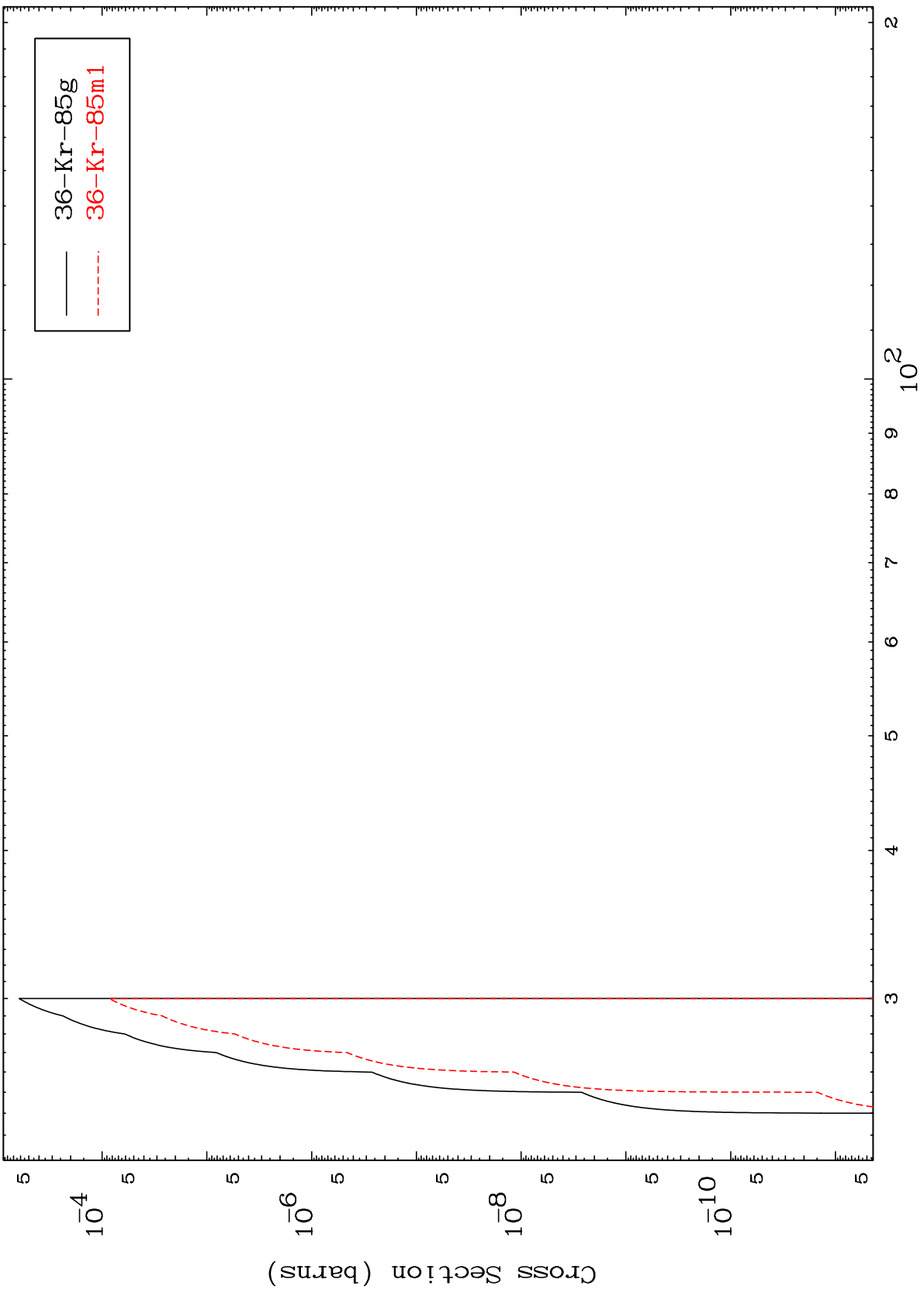








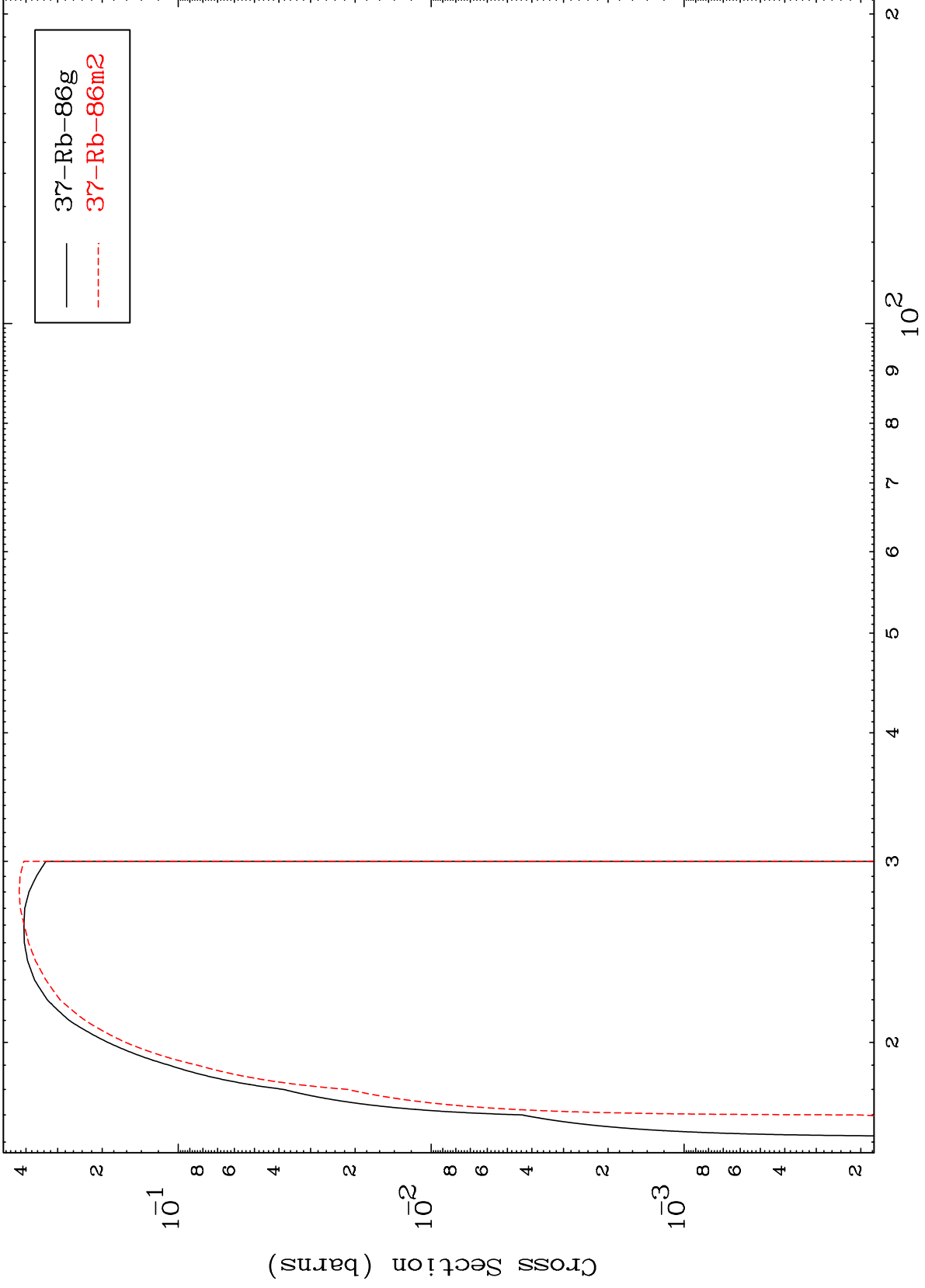
Radionuclide Production Cross Section



MAT 3734

37-Rb-88

(n,3n)  
Radionuclide Production Cross Section



117

Incident Energy (MeV)

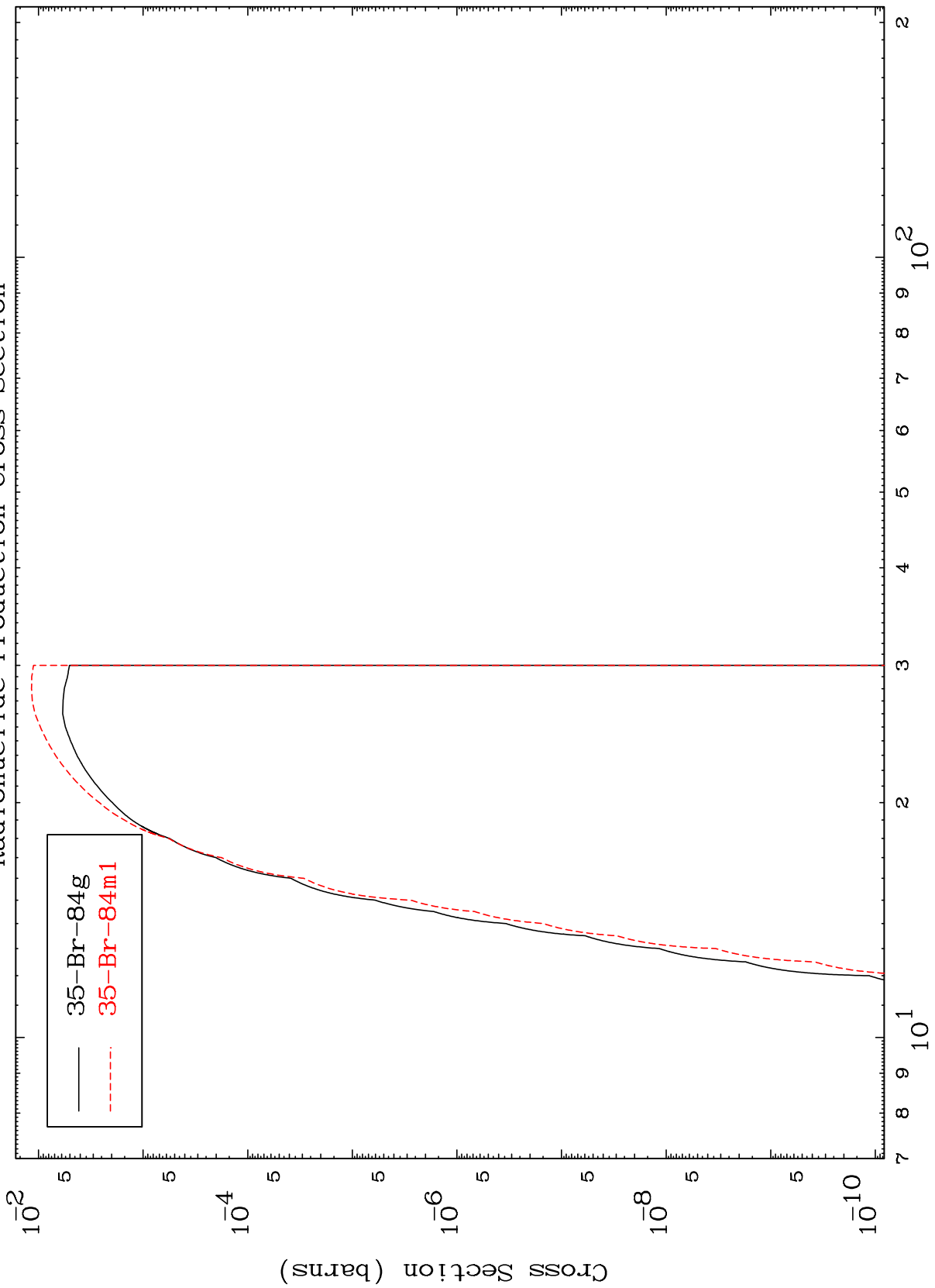
37-Rb-88

MAT 3734

37-Rb-88

(n,n')  $\alpha$

Radionuclide Production Cross Section



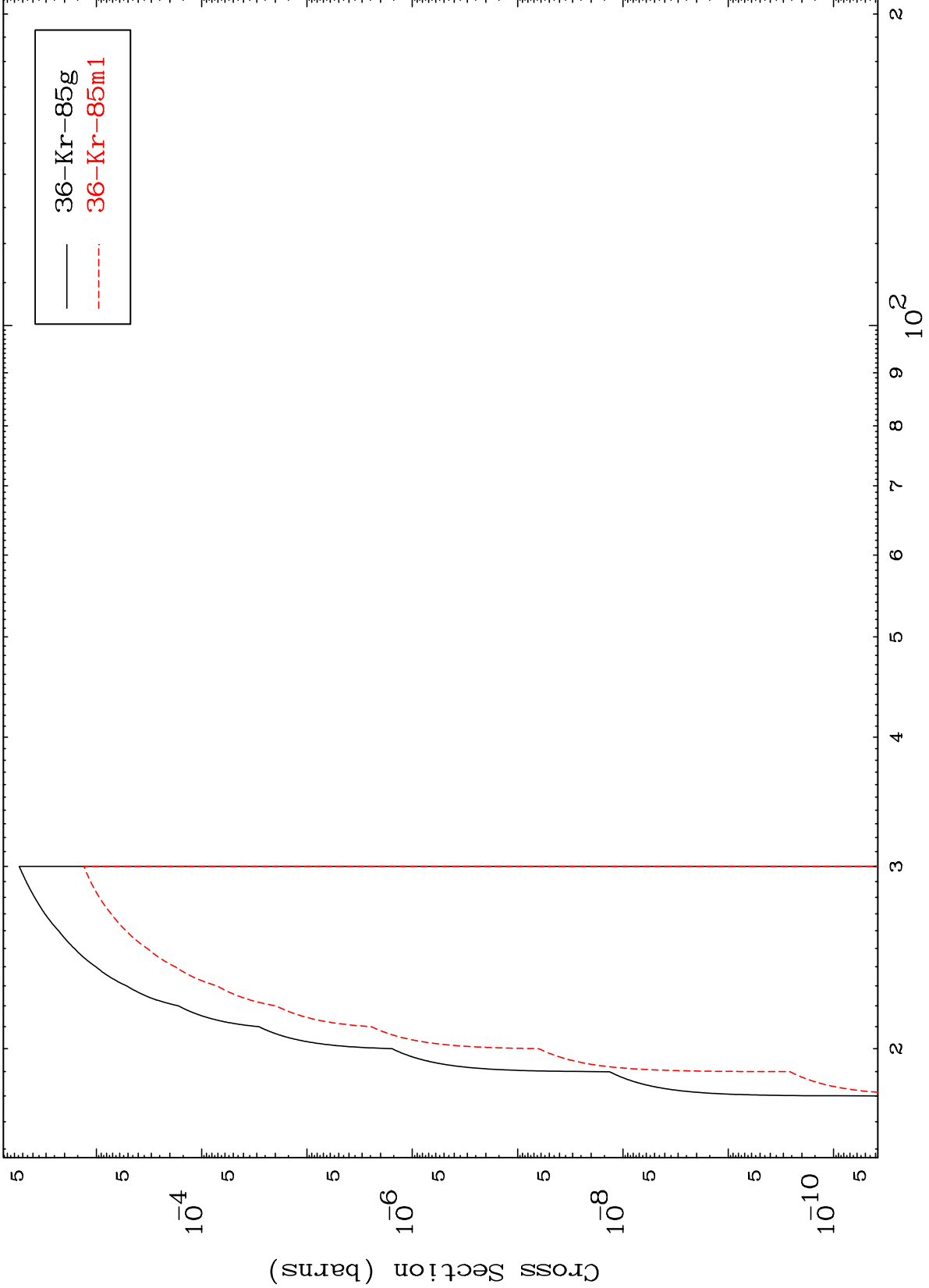
35-Br-84g  
35-Br-84m1

118

Incident Energy (MeV)

37-Rb-88

Radionuclide Production Cross Section



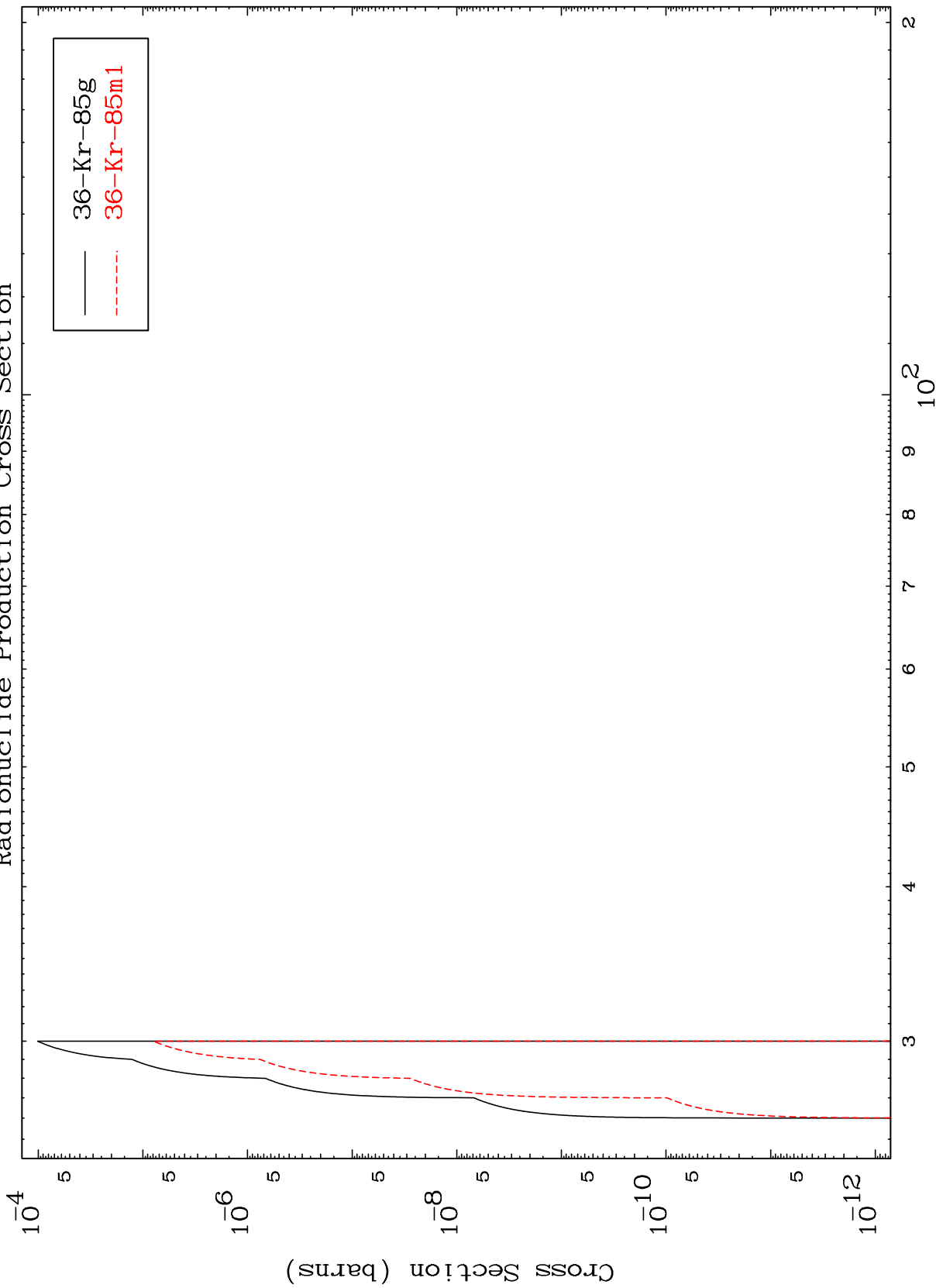
36-Kr-85g  
36-Kr-85m1



MAT 3734

37-Rb-88

(n,3n) p  
Radionuclide Production Cross Section



120

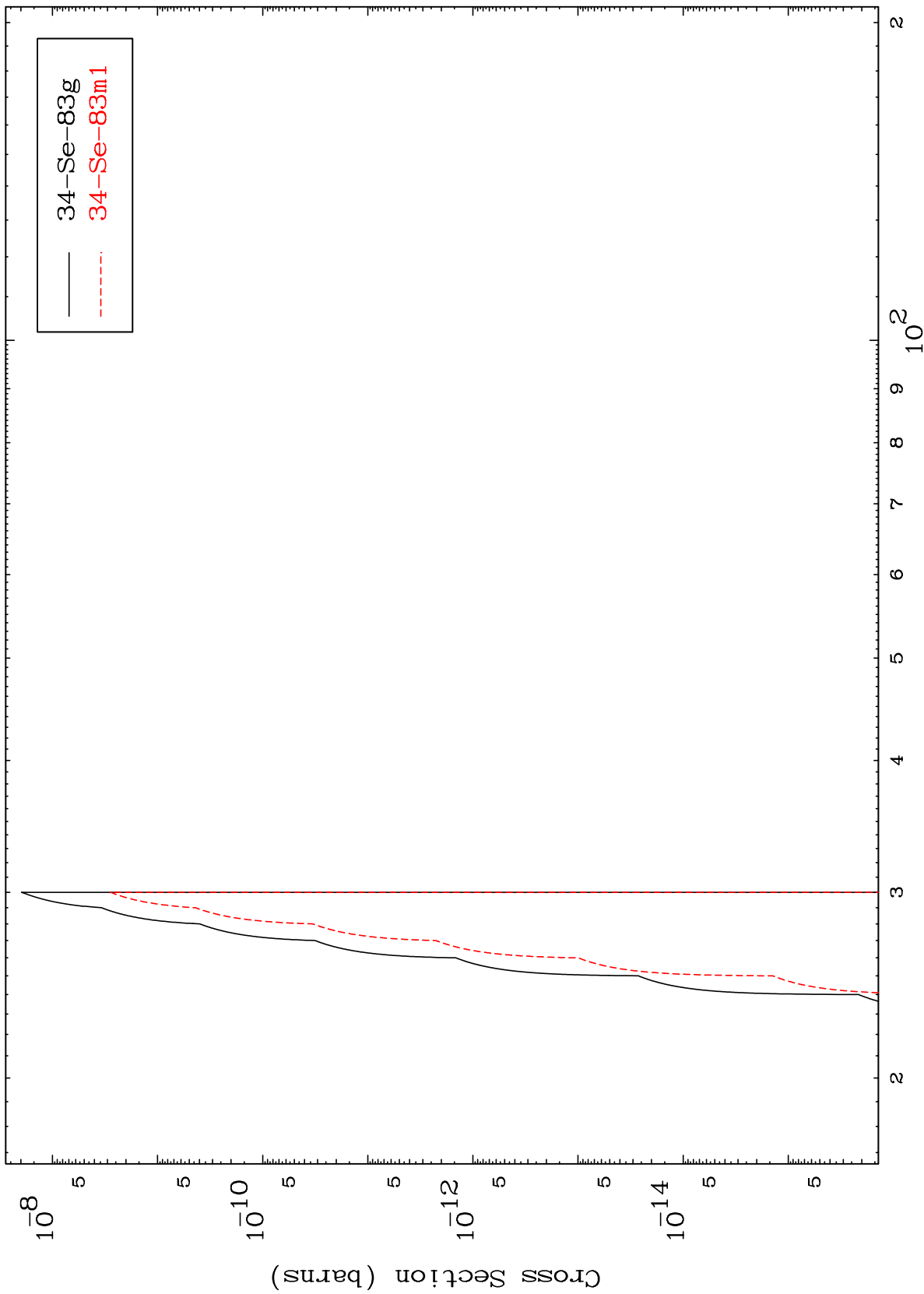
Incident Energy (MeV)

37-Rb-88

MAT 3734

37-Rb-88

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



121

37-Rb-88

Incident Energy (MeV)

