

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](mailto:redcullen1@comcast.net)

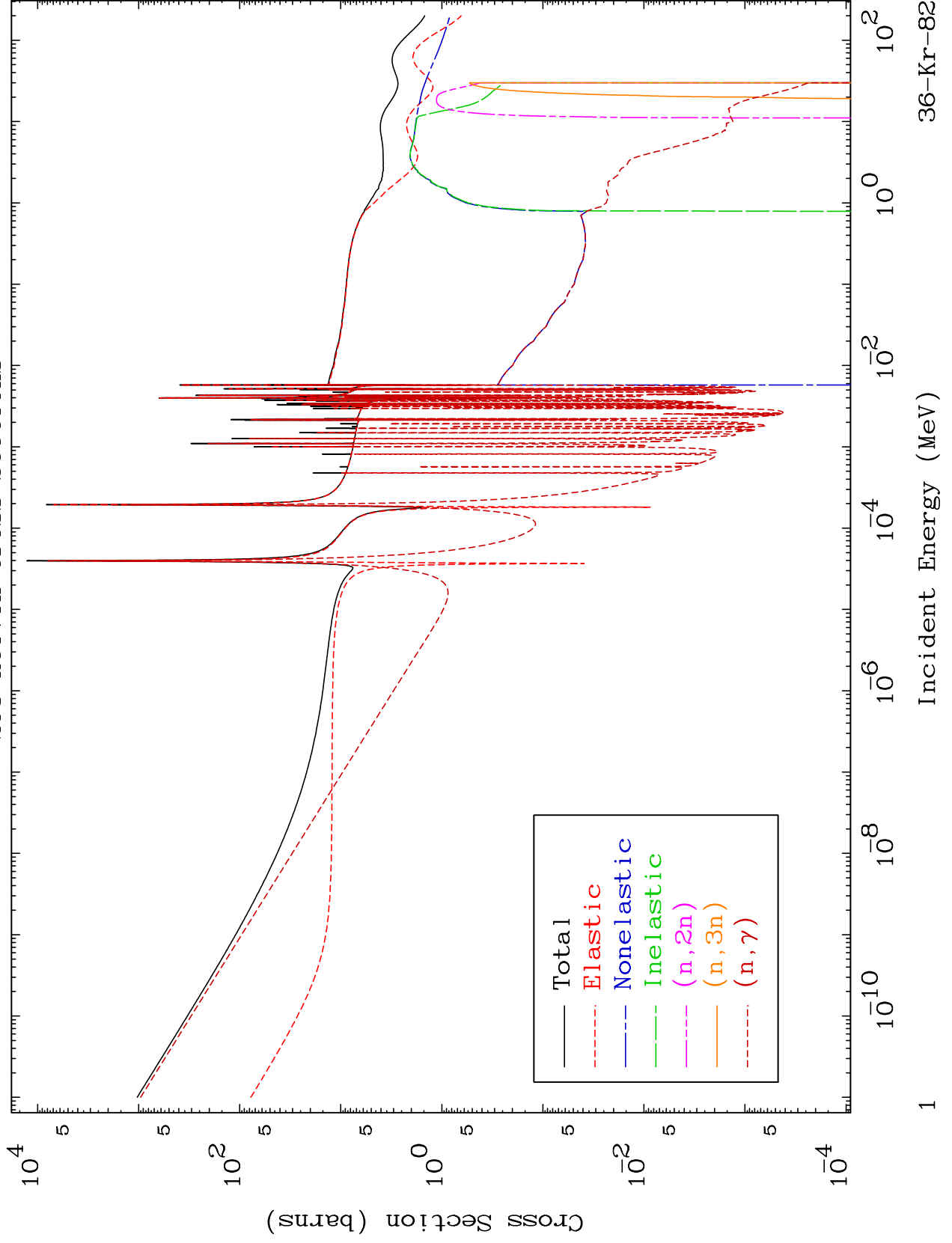
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

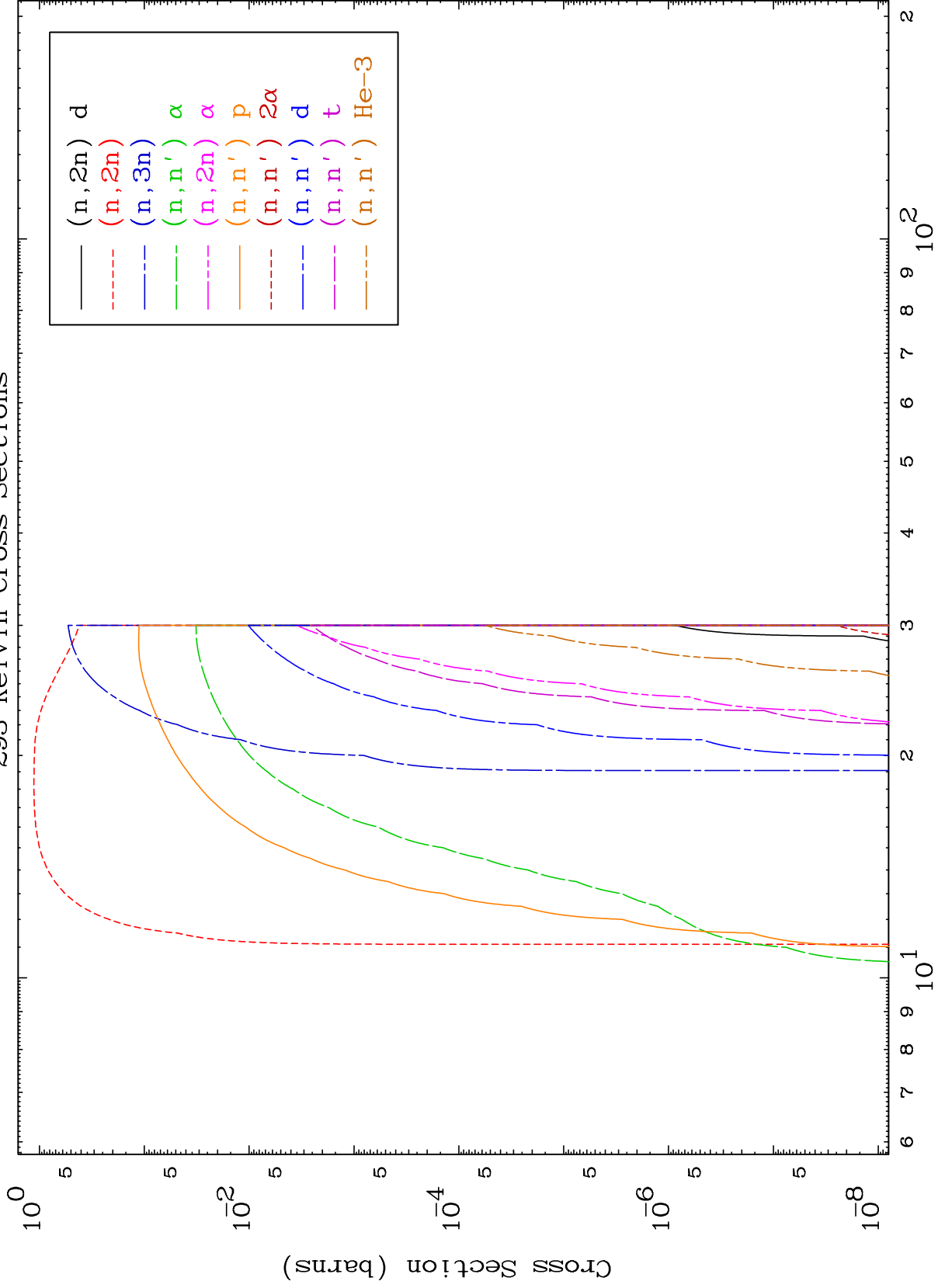
Press Mouse Button to Start

MAT 3637

Neutron Major  
293 Kelvin Cross Sections

36-Kr-82

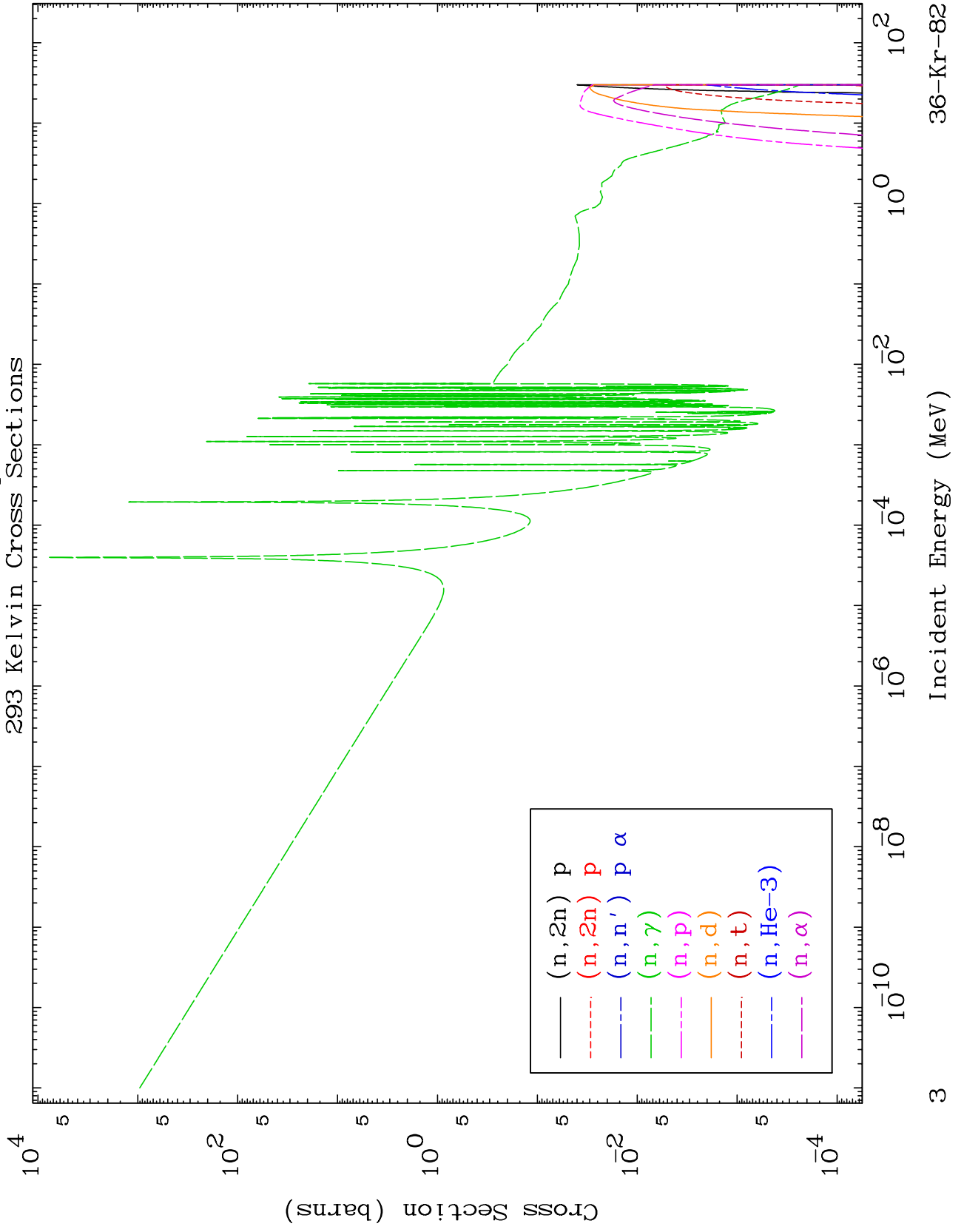




MAT 3637

Neutron Absorption  
293 Kelvin Cross Sections

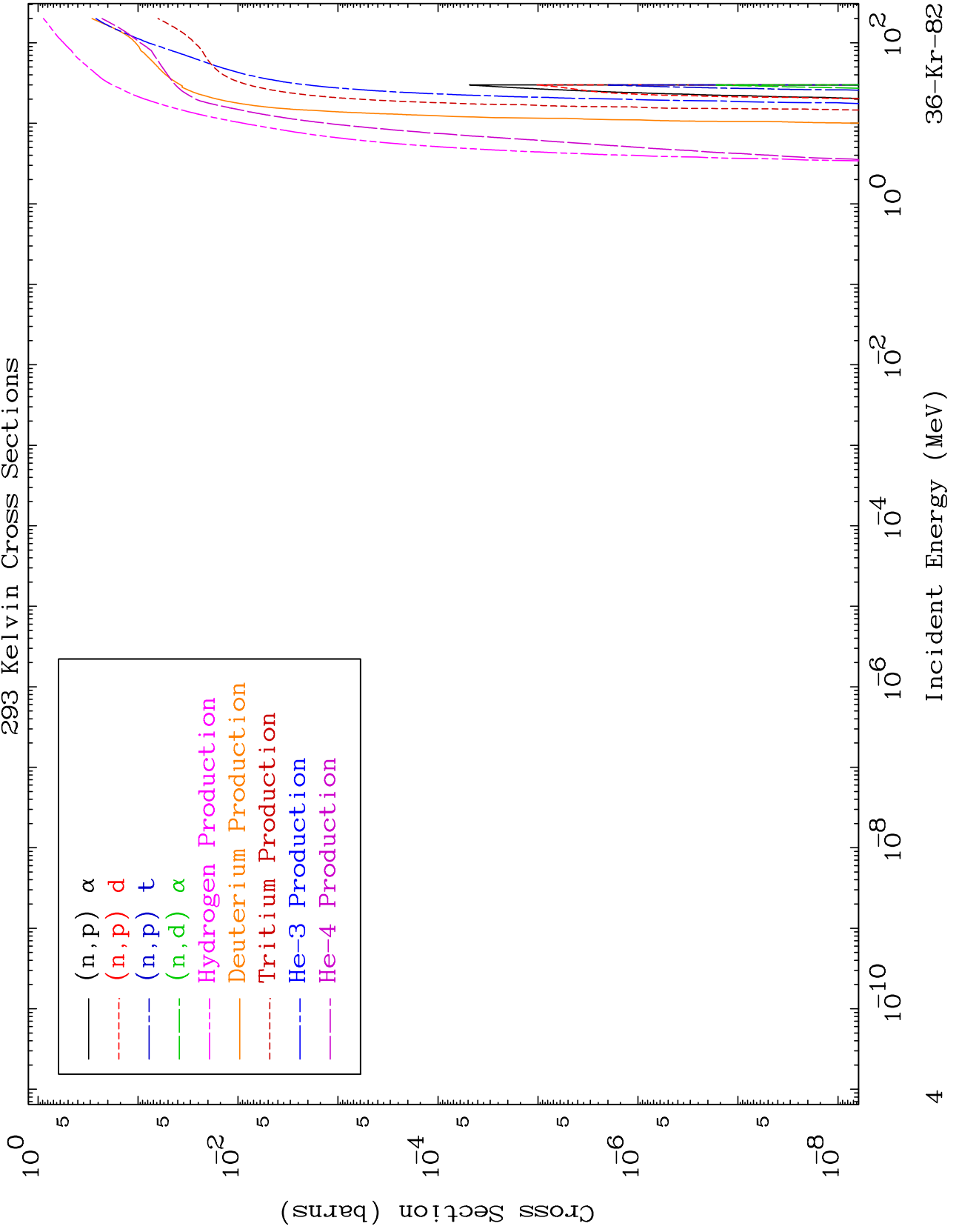
36-Kr-82

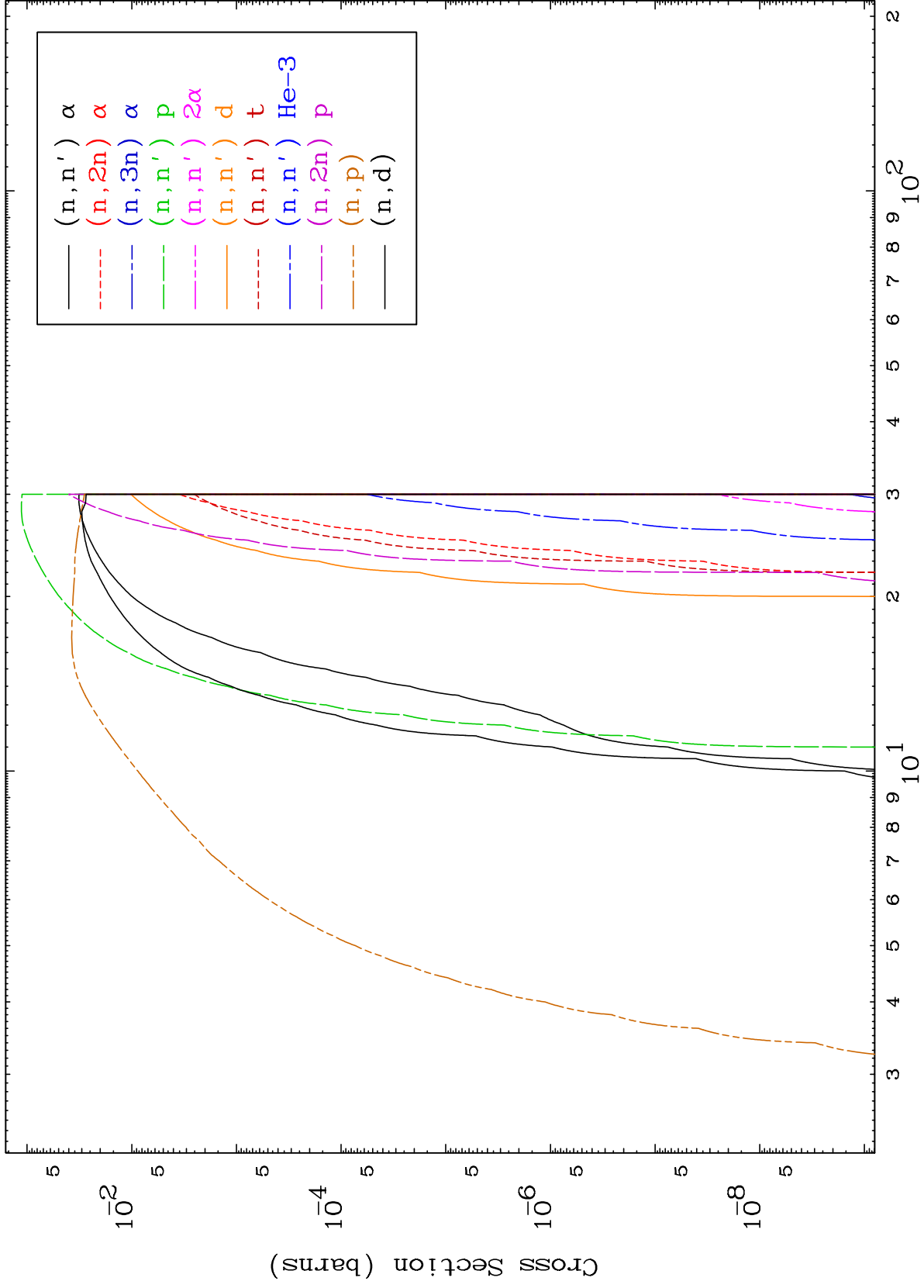


MAT 3637

Neutron Absorption  
293 Kelvin Cross Sections

36-Kr-82

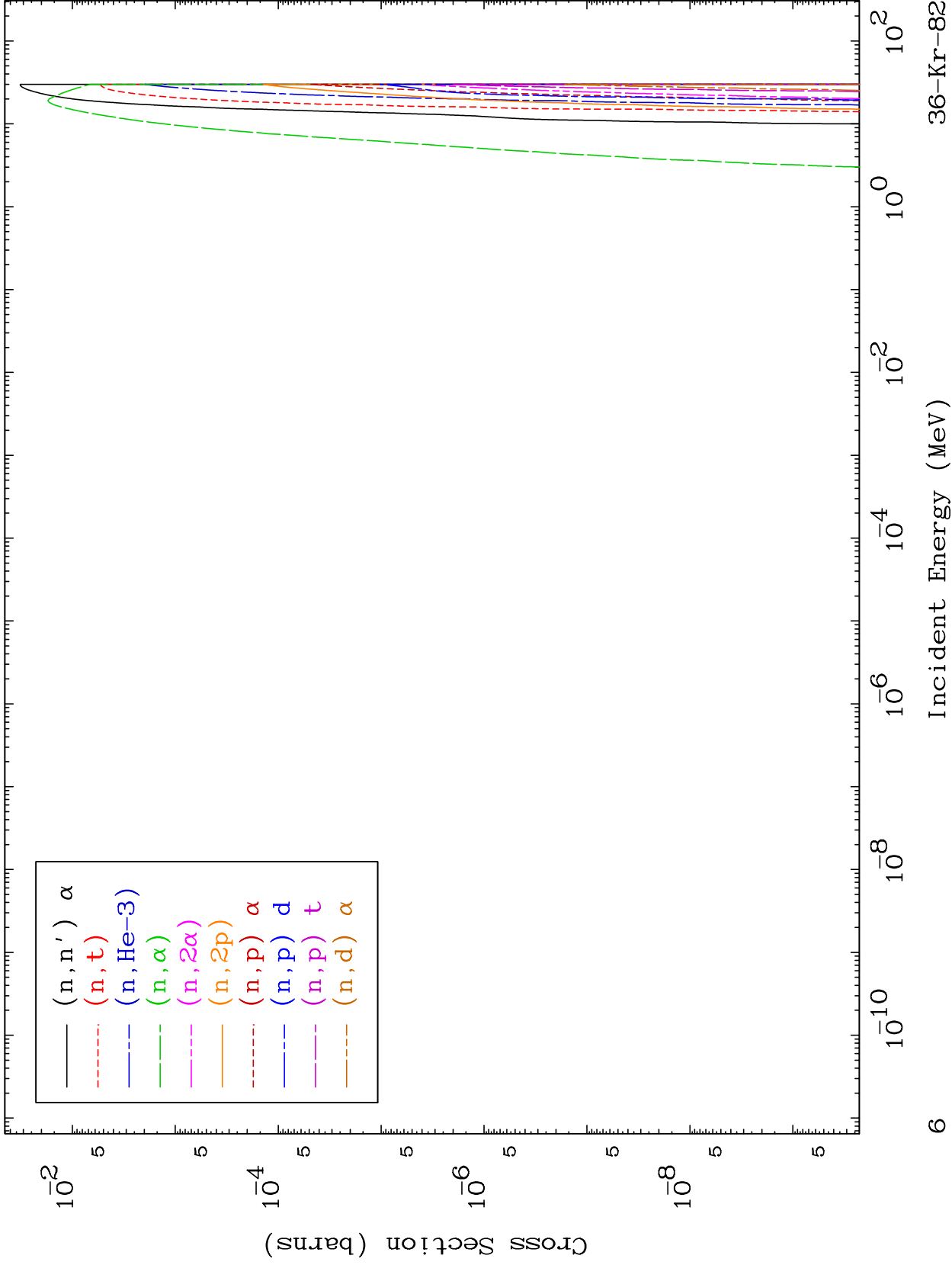




MAT 3637

Charged Particle  
293 Kelvin Cross Sections

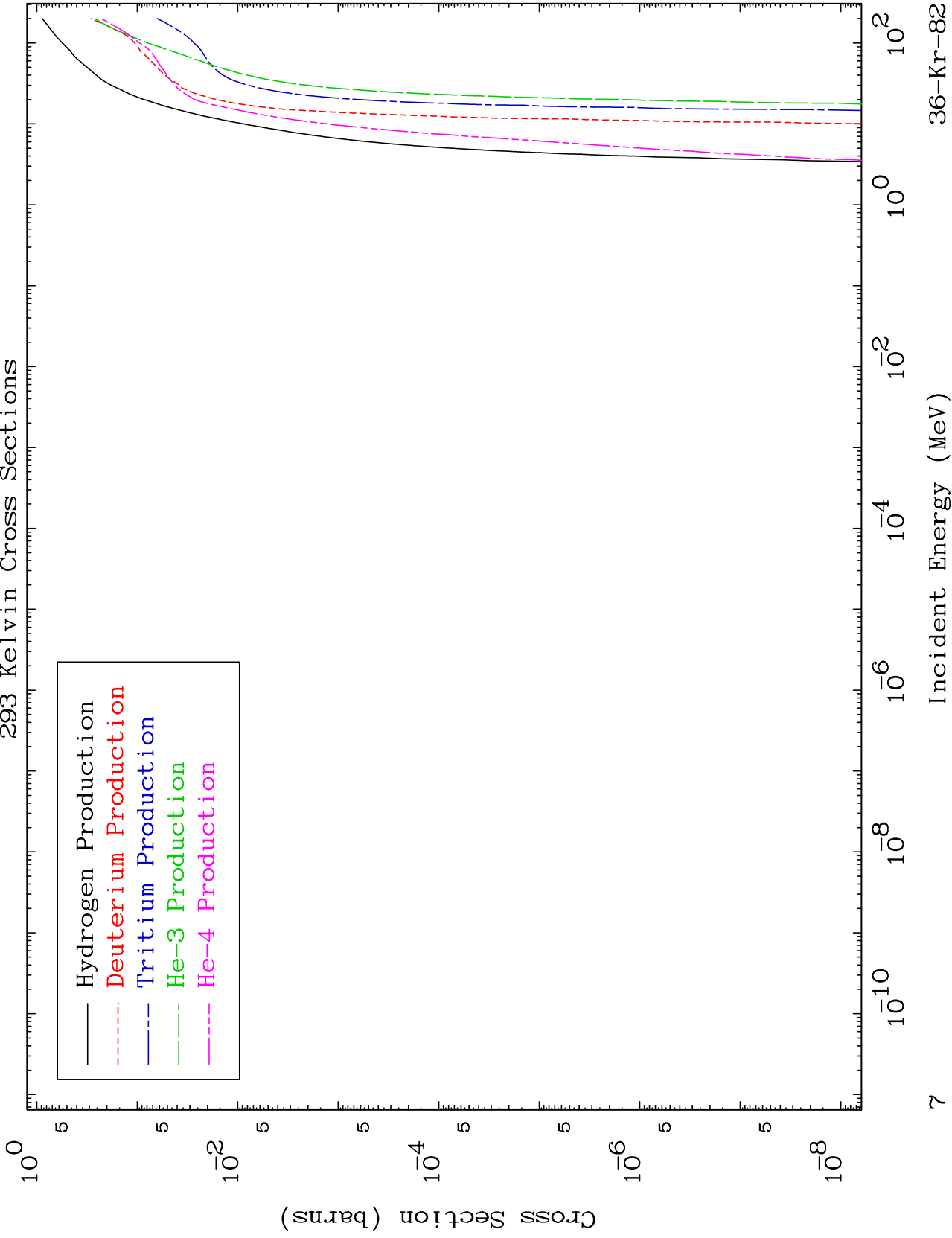
36-Kr-82



MAT 3637

Particle Production  
293 Kelvin Cross Sections

36-Kr-82



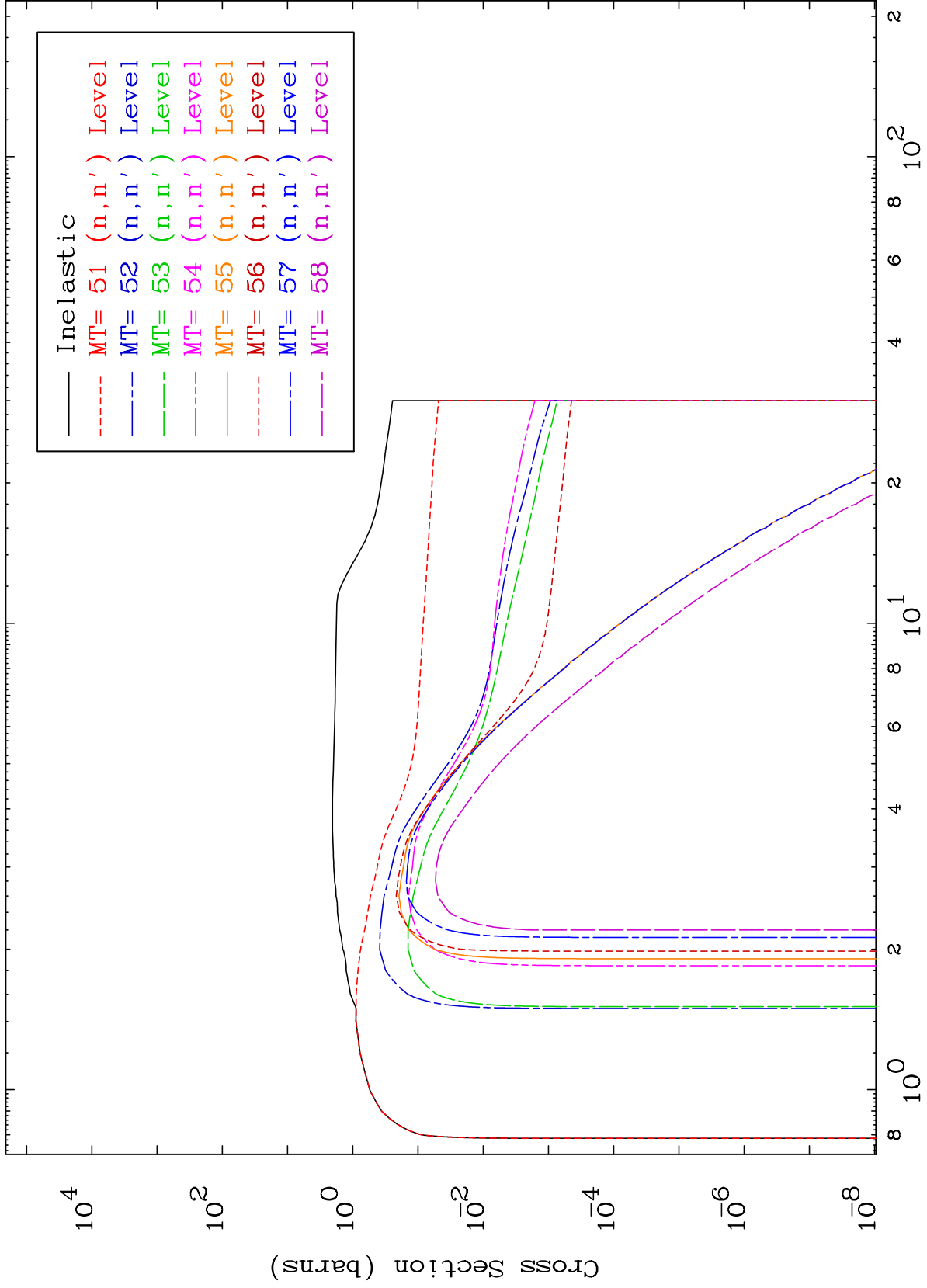


MAT 3637

(n,n') Levels

36-Kr-82

293 Kelvin Cross Sections



8

Incident Energy (MeV)

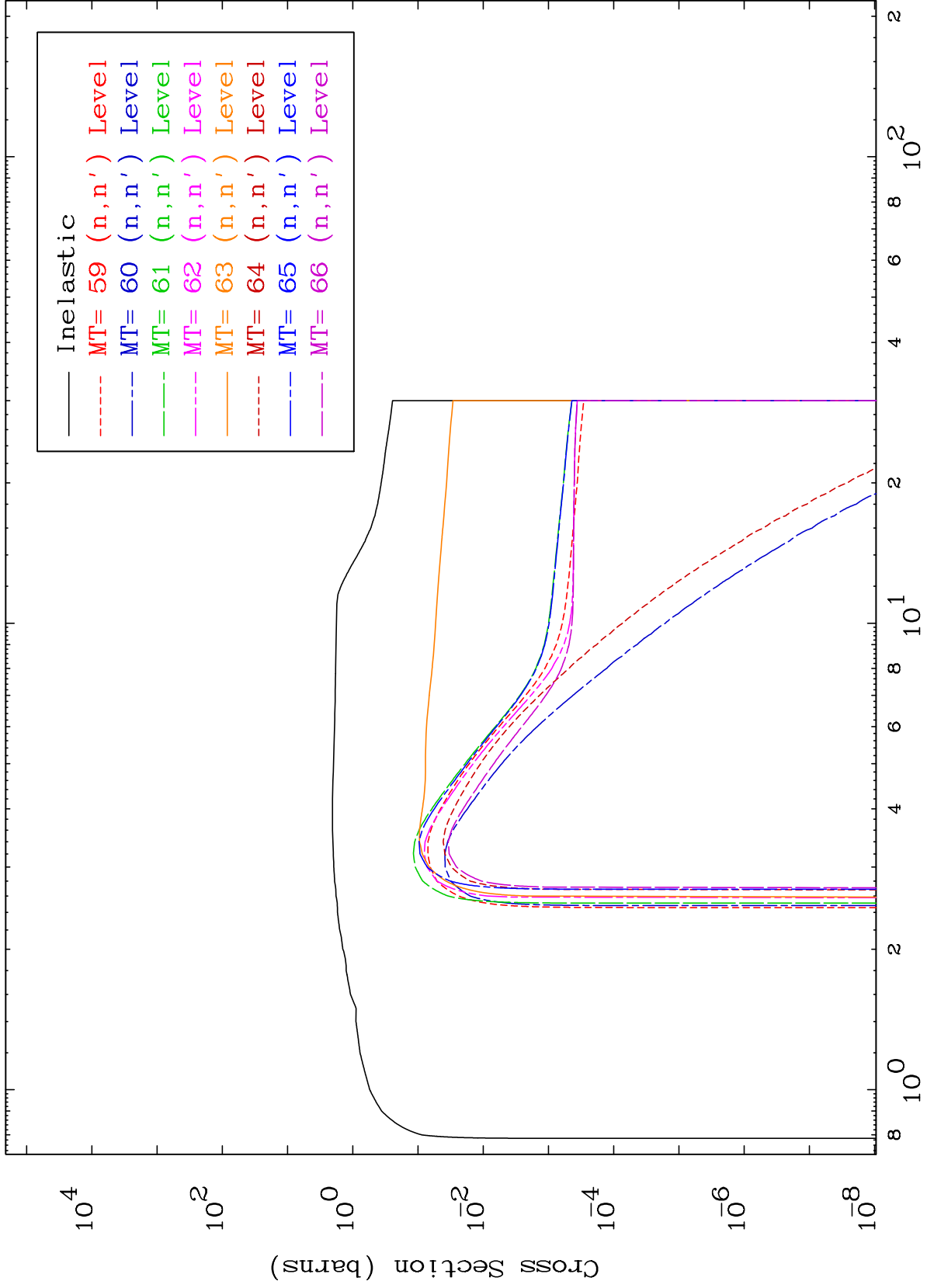
36-Kr-82

MAT 3637

(n,n') Levels

36-Kr-82

293 Kelvin Cross Sections



9

Incident Energy (MeV)

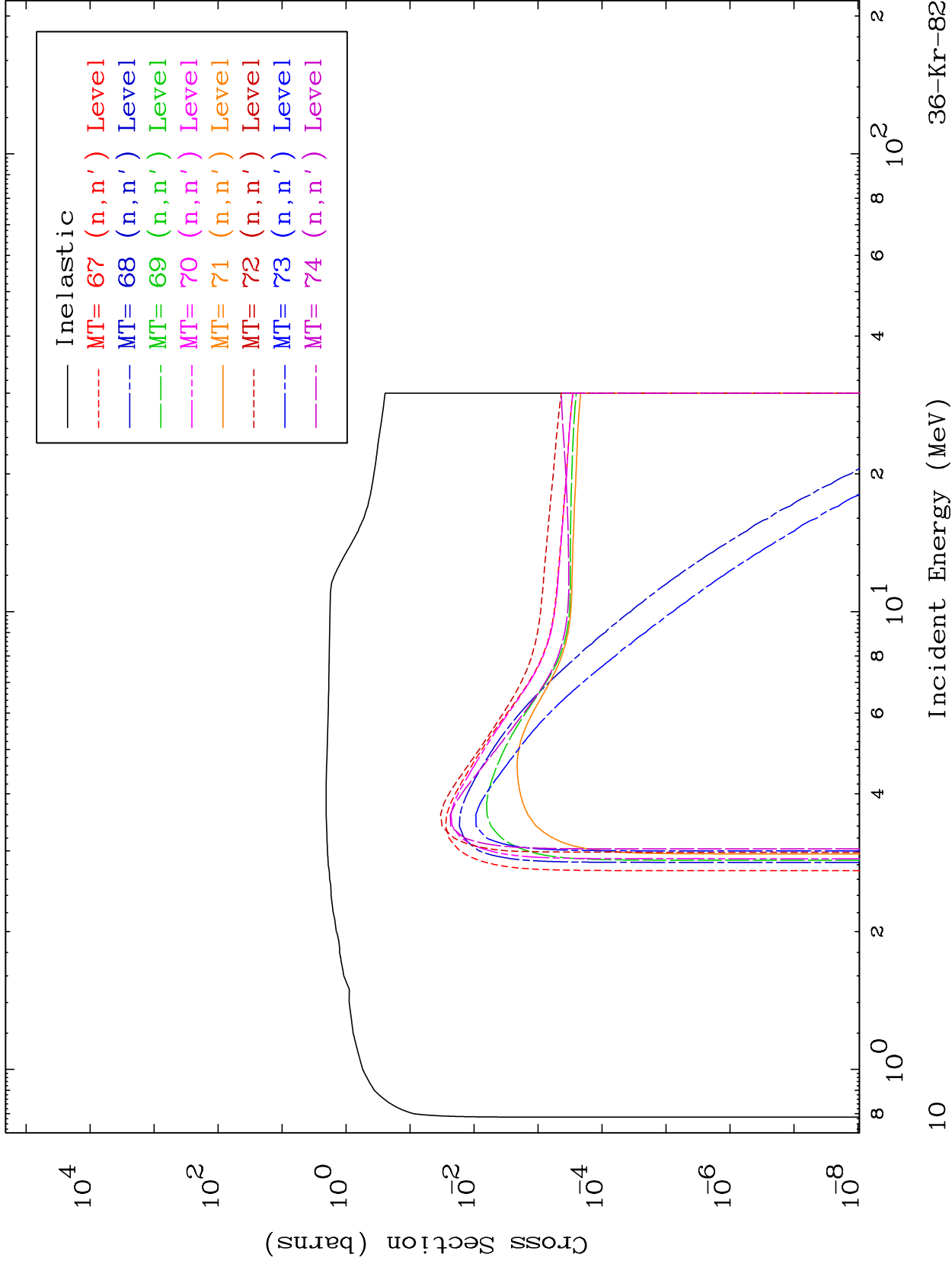
36-Kr-82

MAT 3637

(n,n') Levels

36-Kr-82

293 Kelvin Cross Sections



36-Kr-82

Incident Energy (MeV)

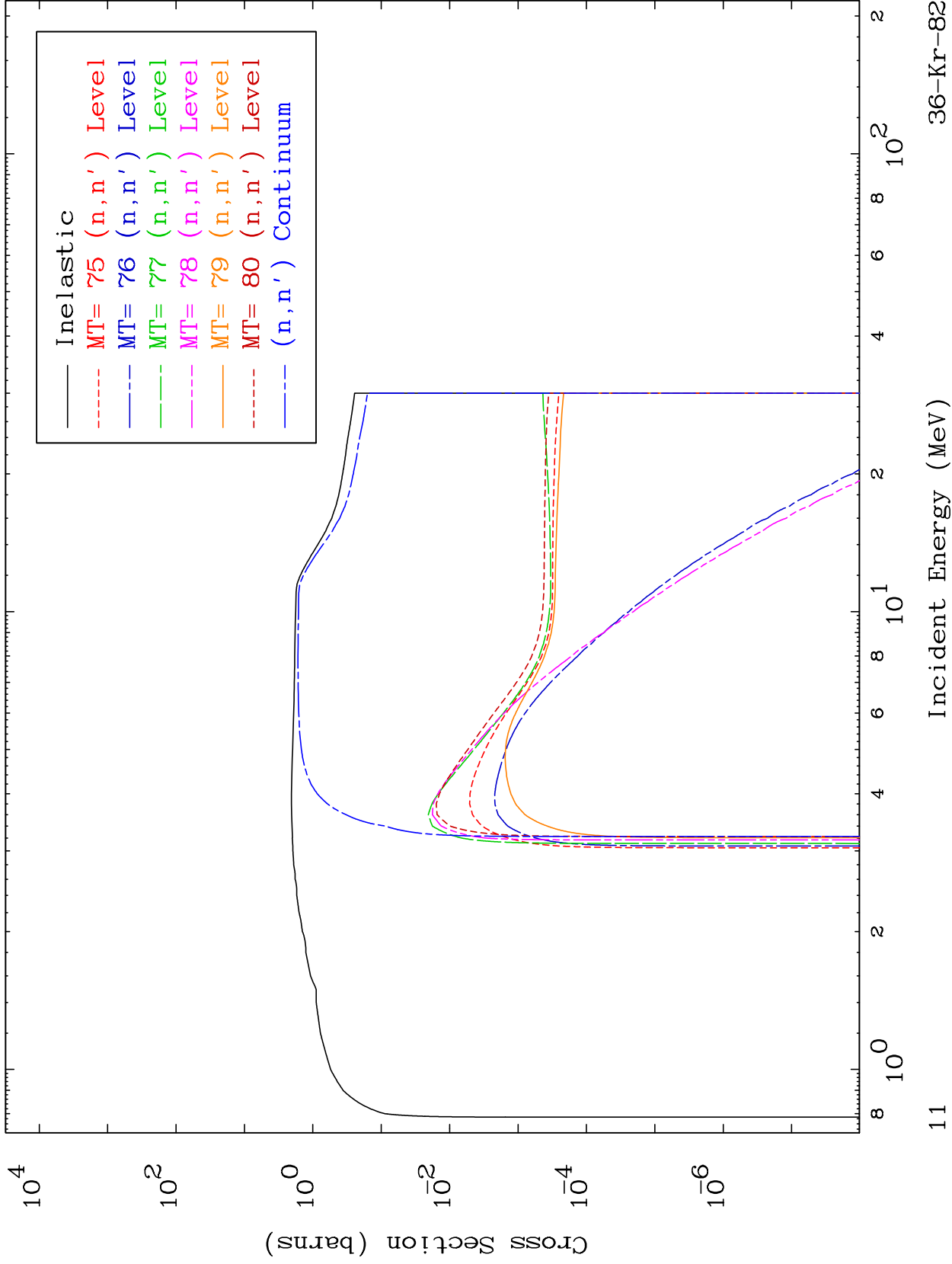
10

MAT 3637

(n,n') Levels

36-Kr-82

293 Kelvin Cross Sections



11

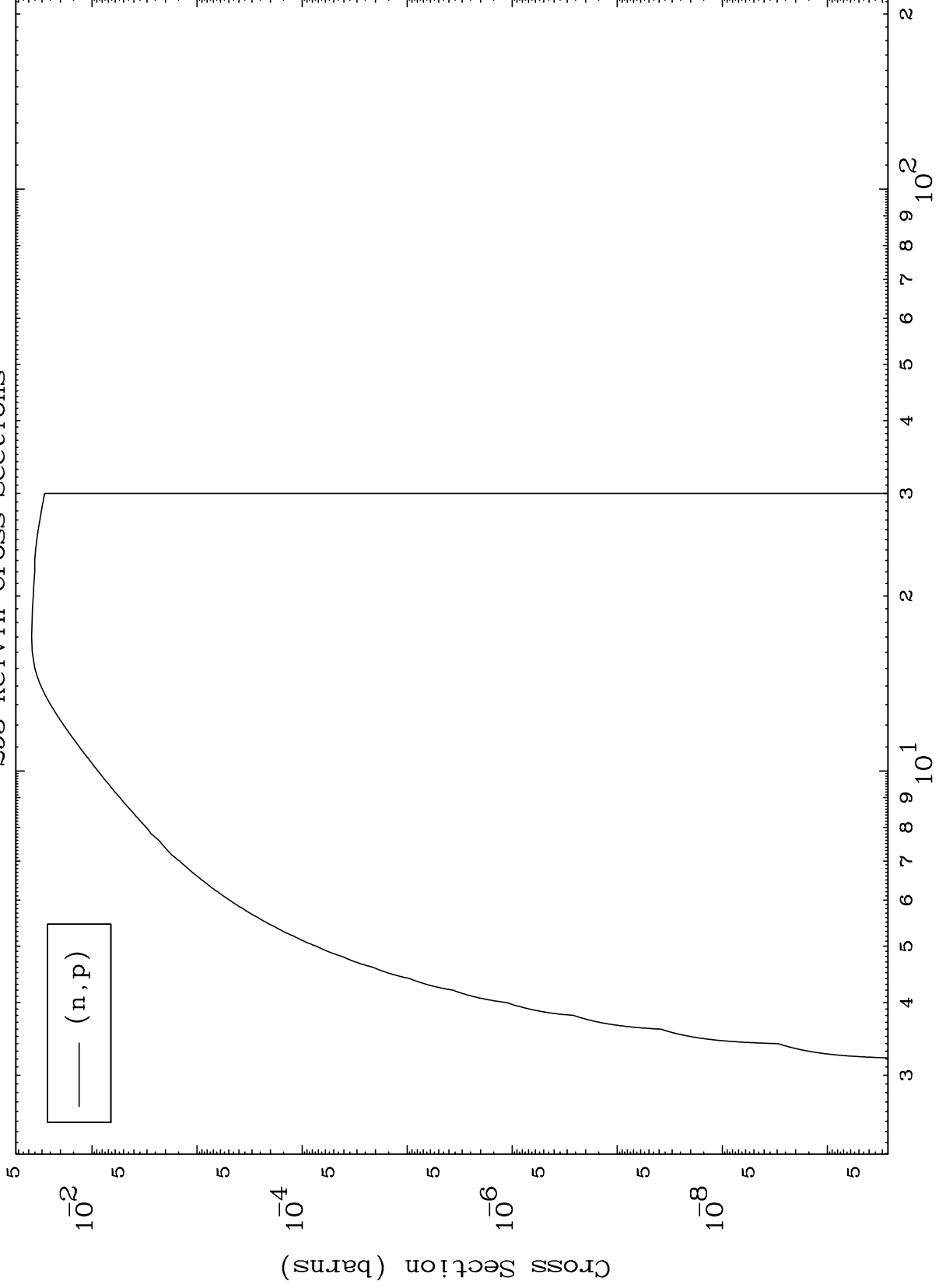
Incident Energy (MeV)

36-Kr-82

MAT 3637

(n,p) Levels  
293 Kelvin Cross Sections

36-Kr-82



12

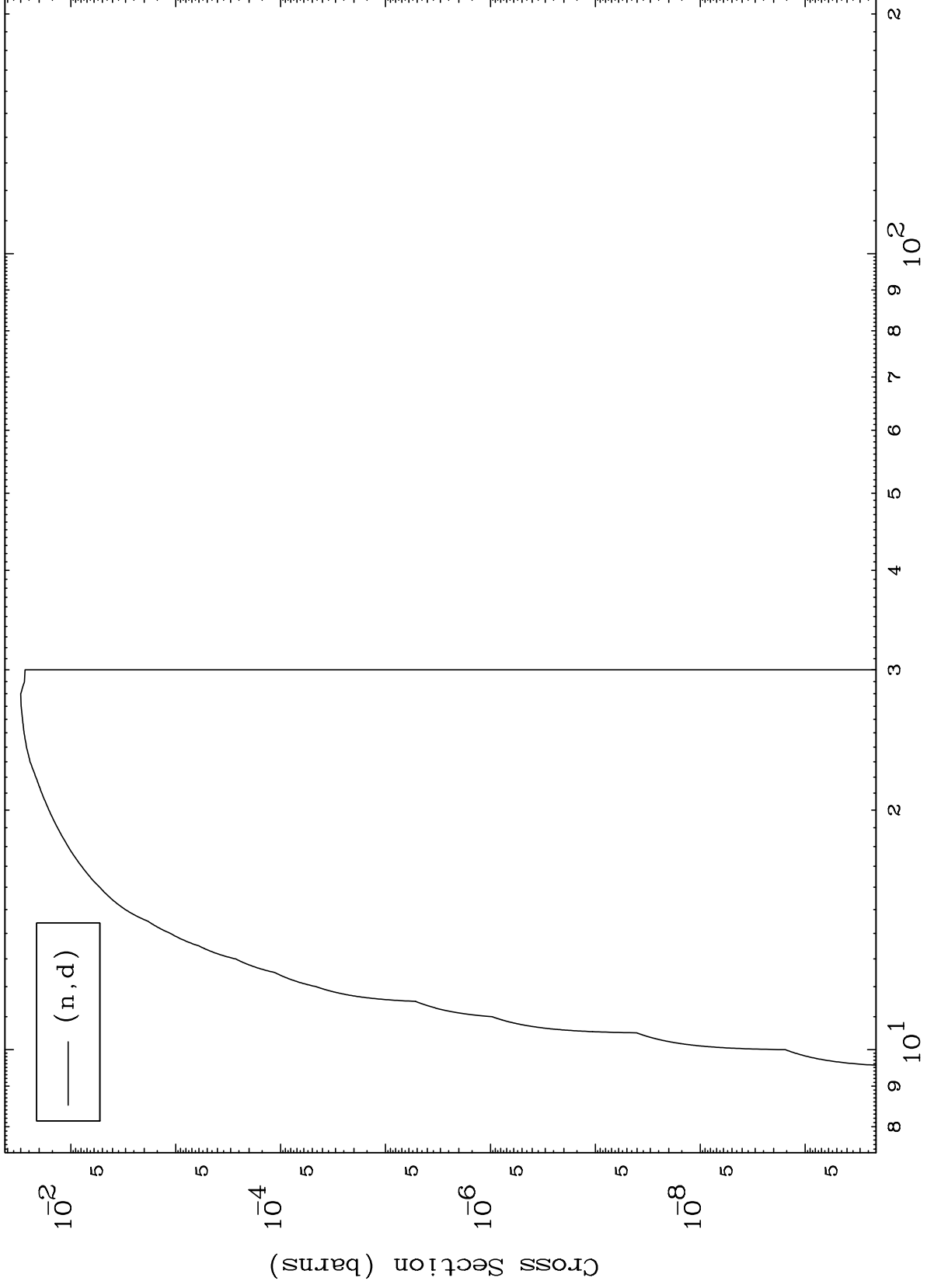
Incident Energy (MeV)

36-Kr-82

MAT 3637

(n,d) Levels  
293 Kelvin Cross Sections

36-Kr-82

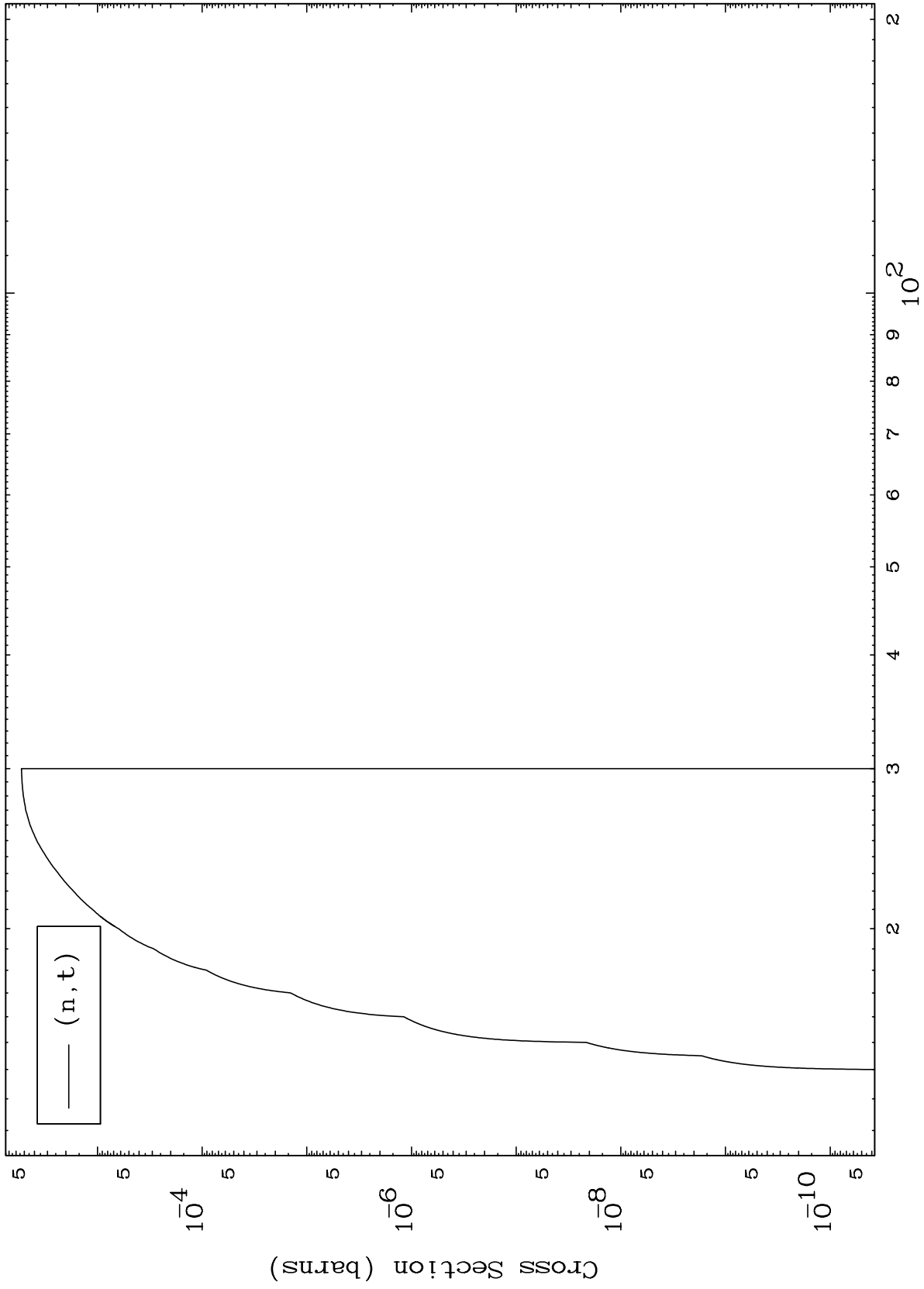


(n,d)

13

Incident Energy (MeV)

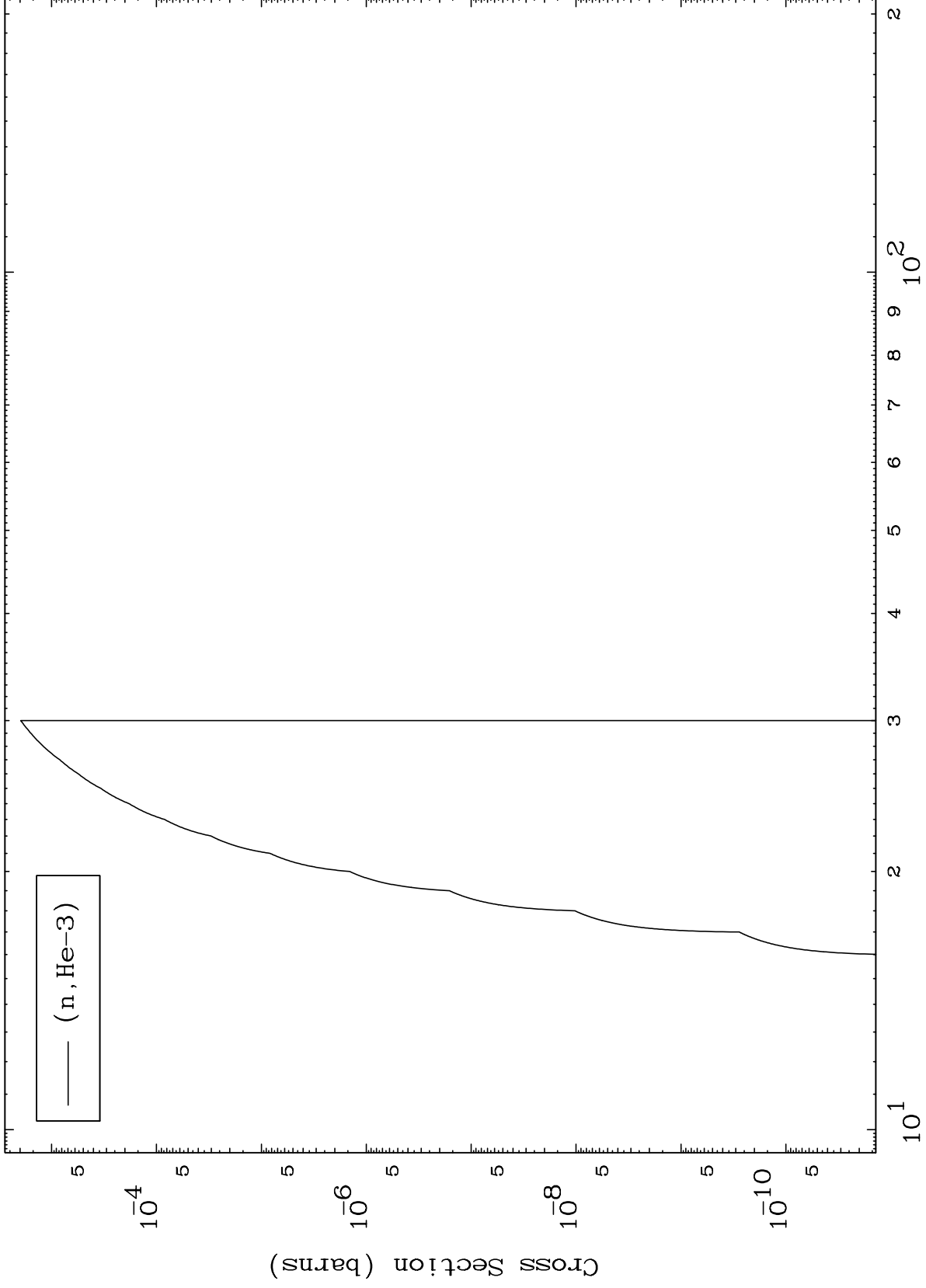
36-Kr-82



MAT 3637

(n,He3) Levels  
293 Kelvin Cross Sections

36-Kr-82



15

Incident Energy (MeV)

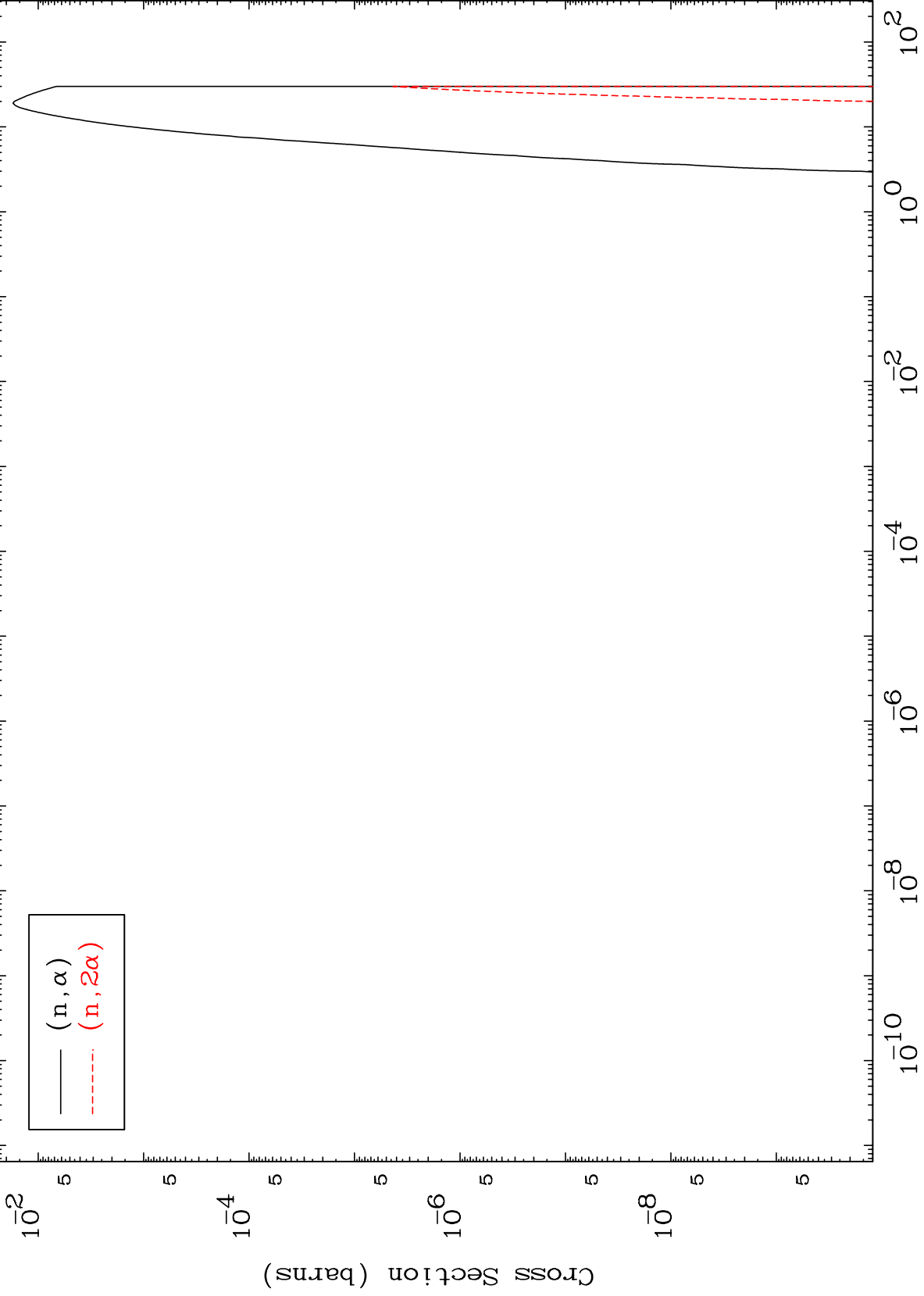
36-Kr-82



MAT 3637

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

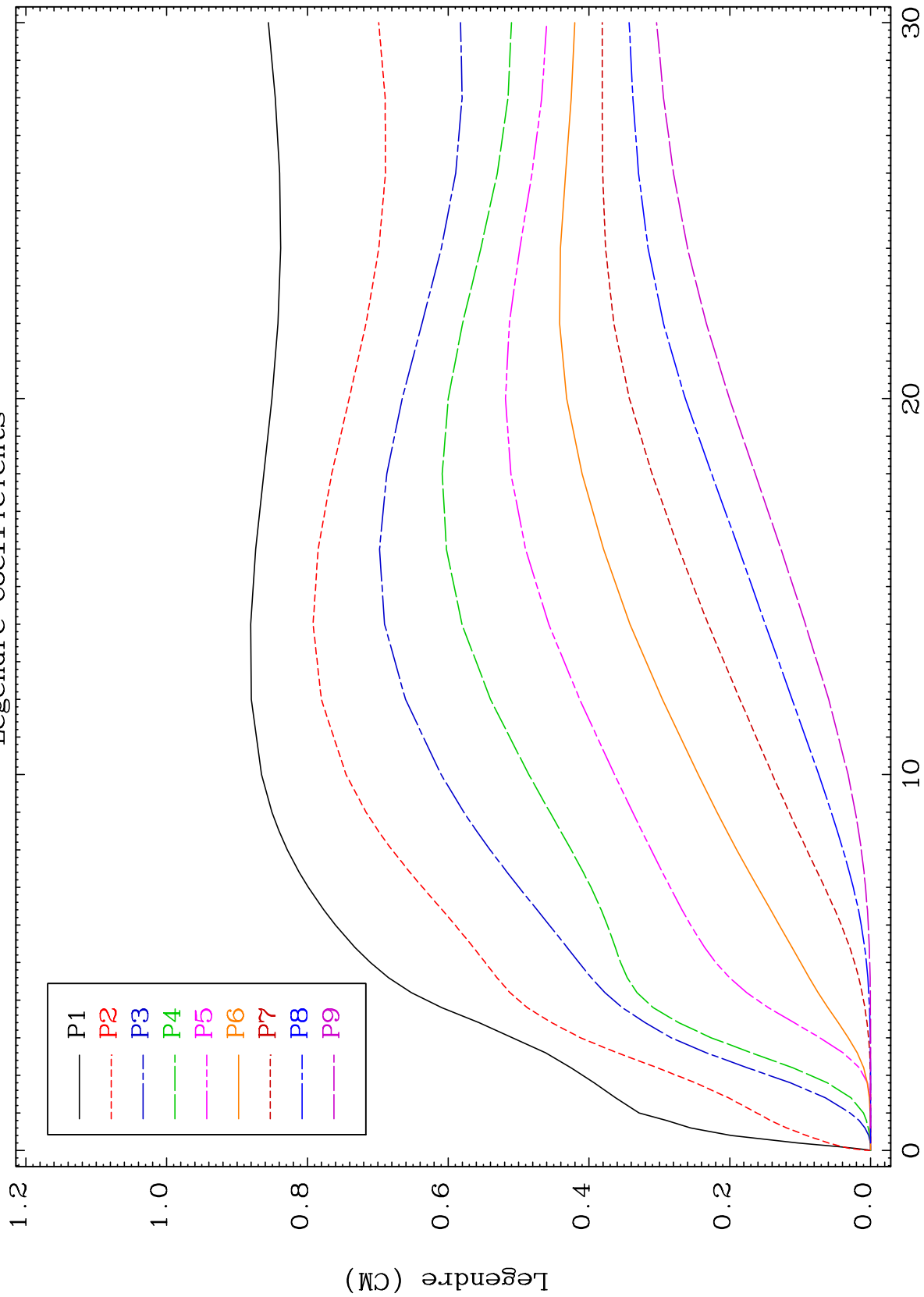
36-Kr-82



MAT 3637

Elastic Legendre Coefficients

36-Kr-82



17

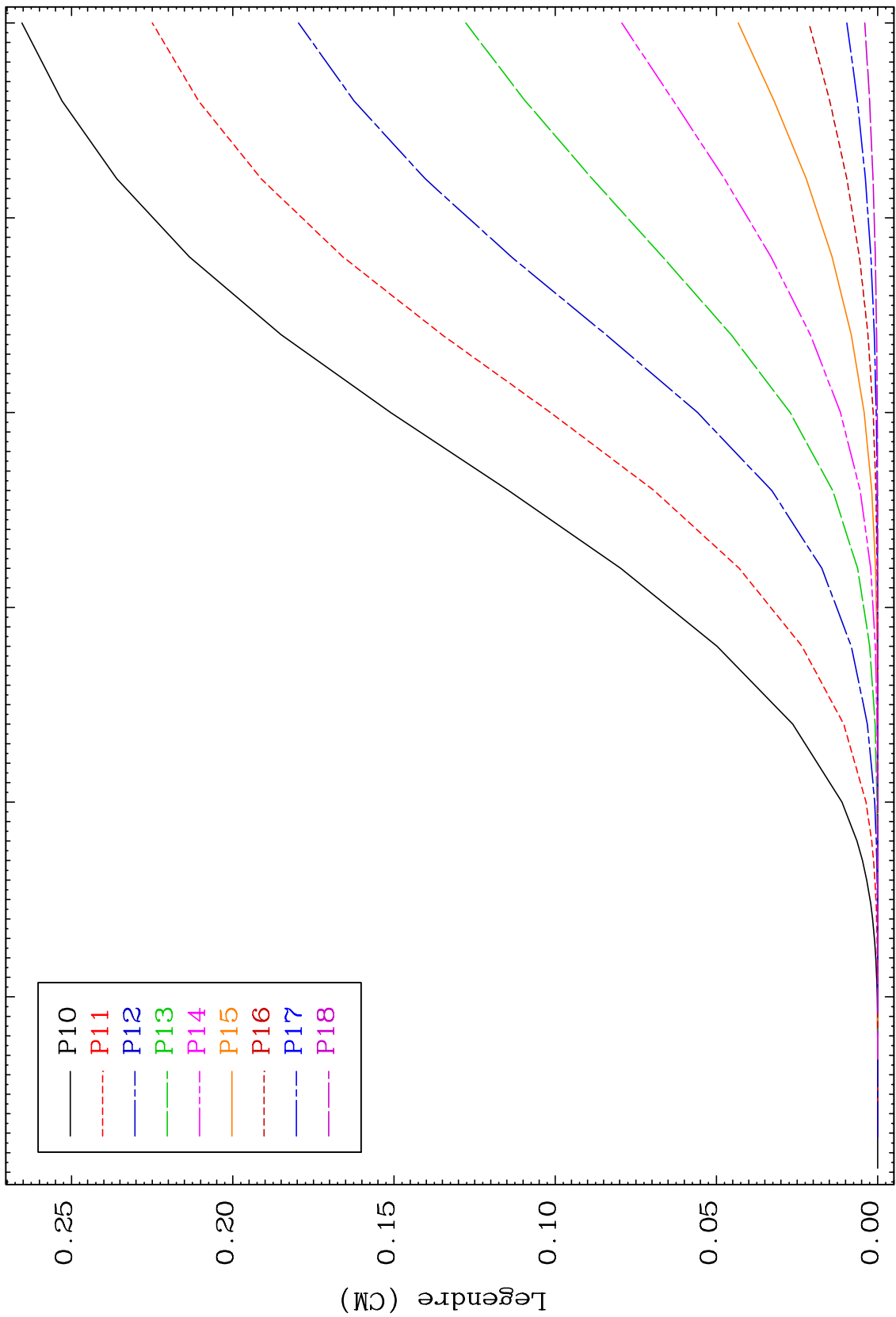
Incident Energy (MeV)

36-Kr-82

MAT 3637

Elastic Legendre Coefficients

<sup>36</sup>Kr-82



18

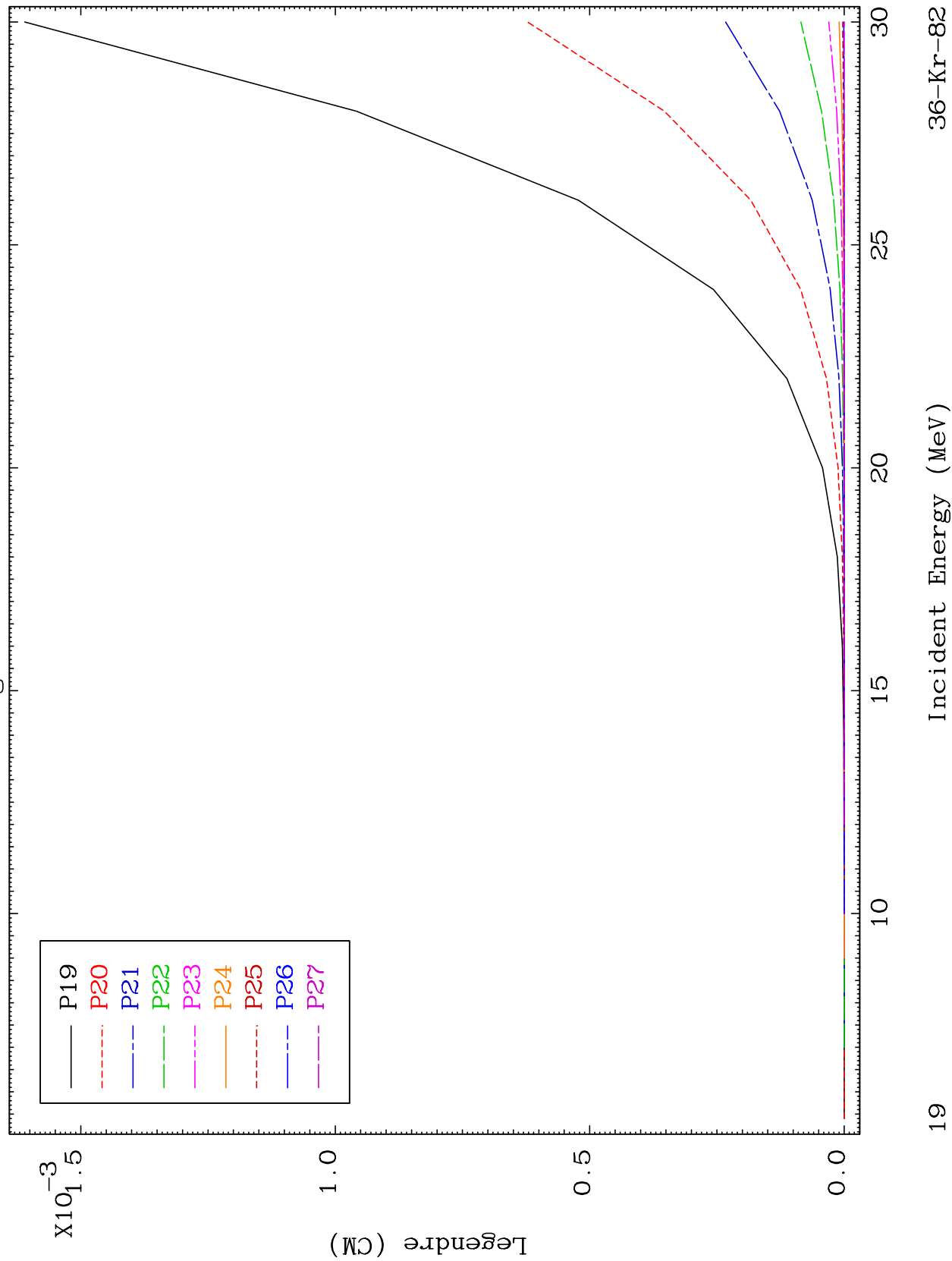
Incident Energy (MeV)

<sup>36</sup>Kr-82

MAT 3637

### Elastic Legendre Coefficients

36-Kr-82



19

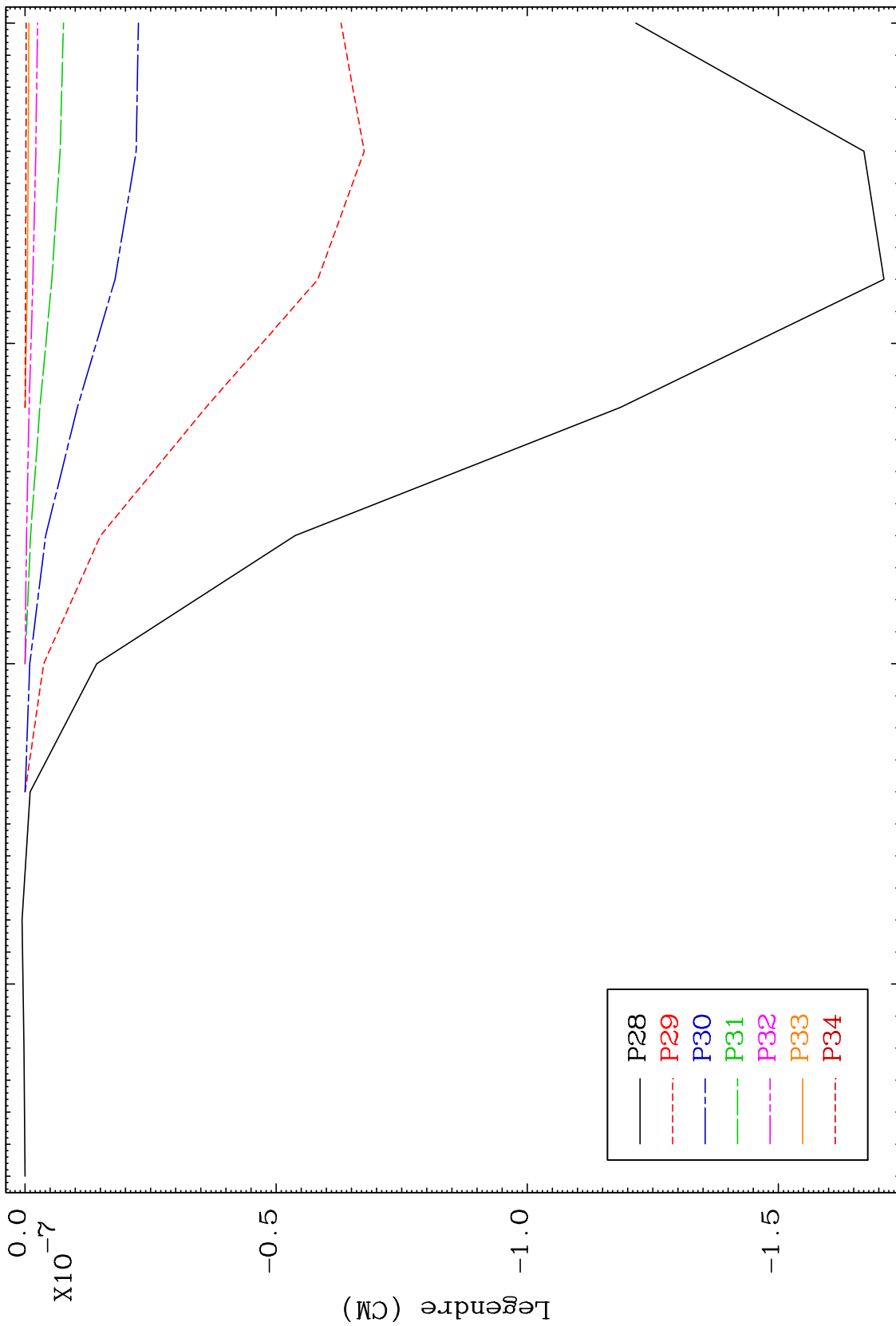
Incident Energy (MeV)

36-Kr-82

MAT 3637

36-Kr-82

Elastic  
Legendre Coefficients



20

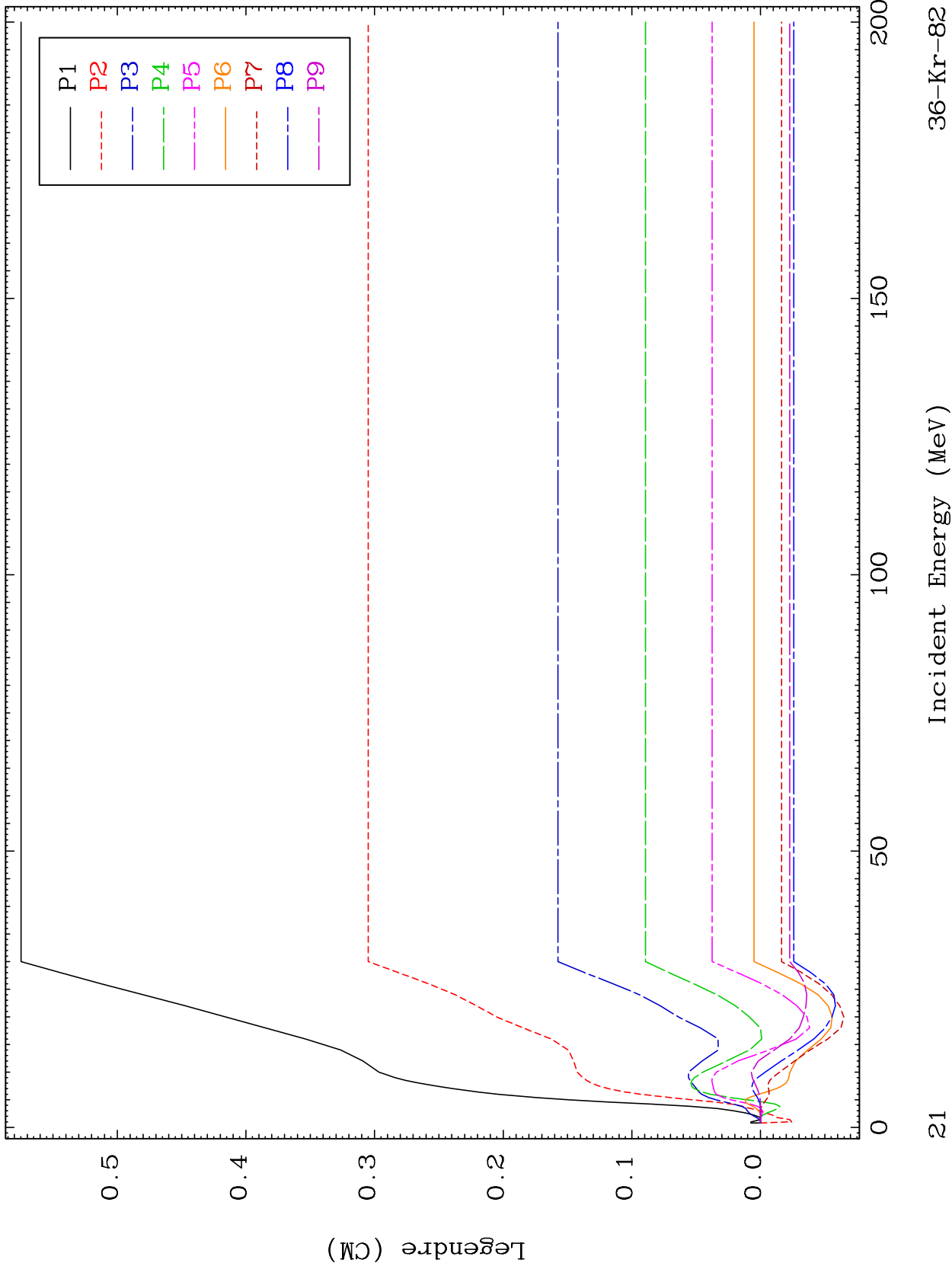
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



21

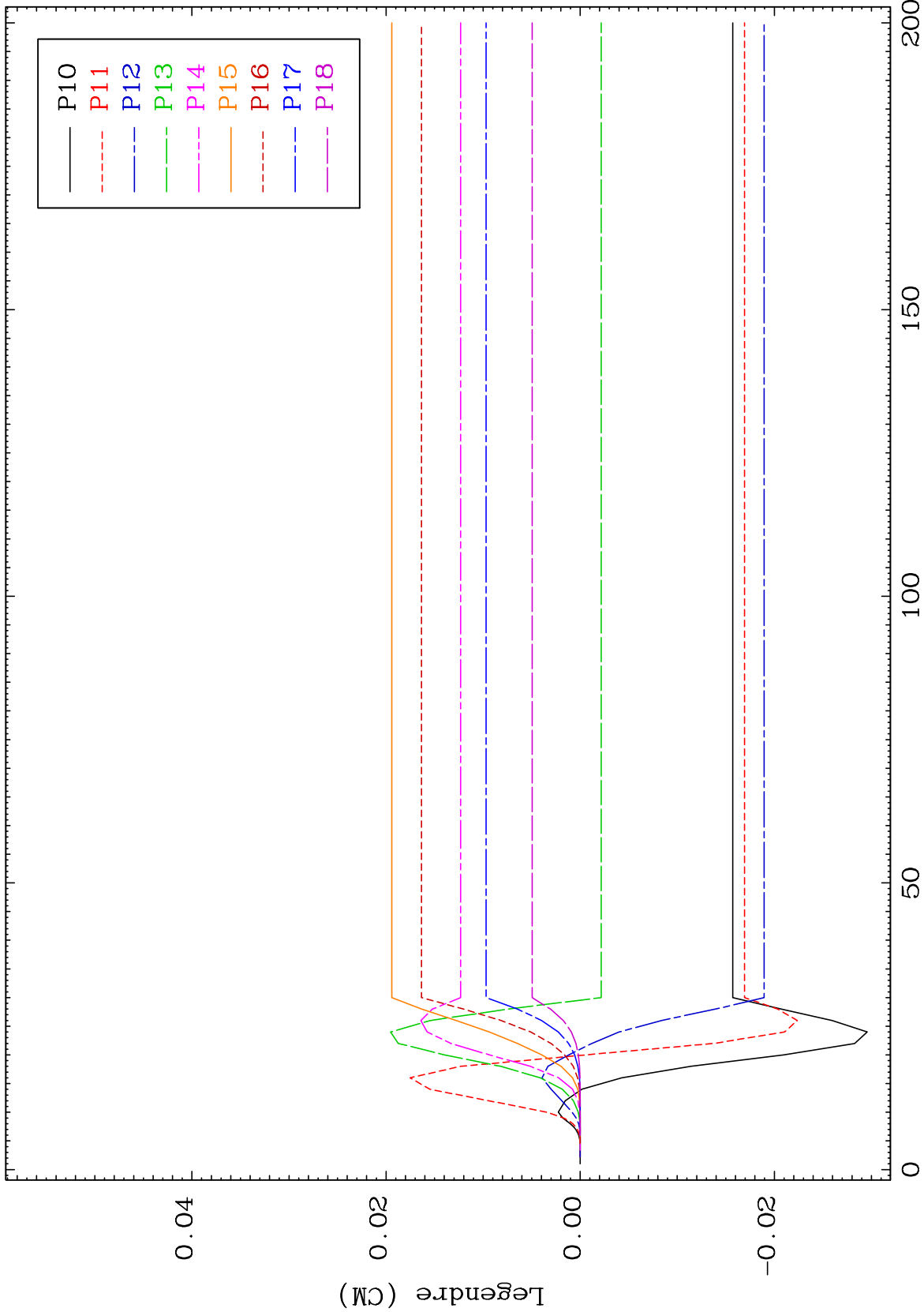
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

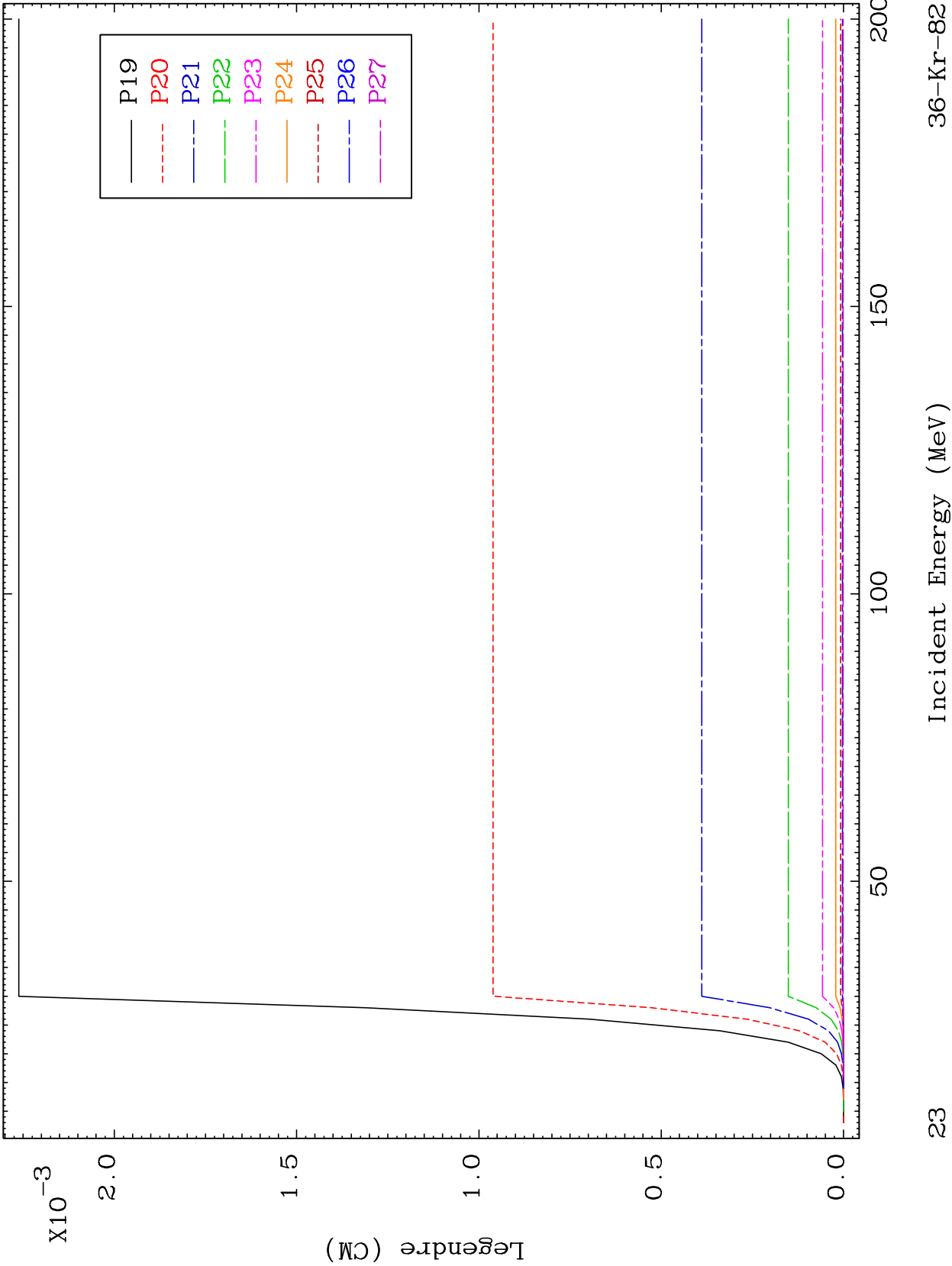
36-Kr-82



22

Incident Energy (MeV)

36-Kr-82

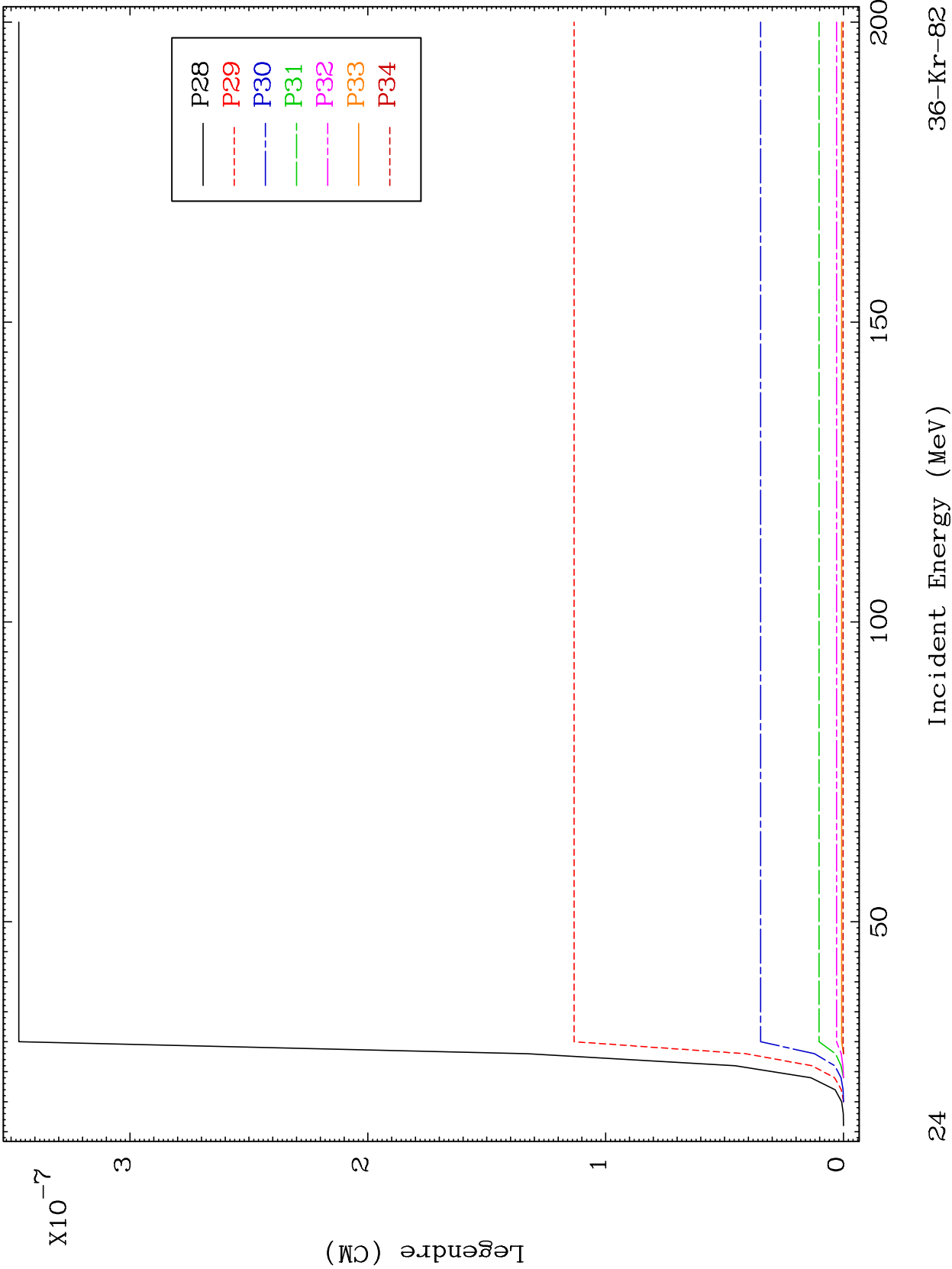




MAT 3637

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

36-Kr-82



24

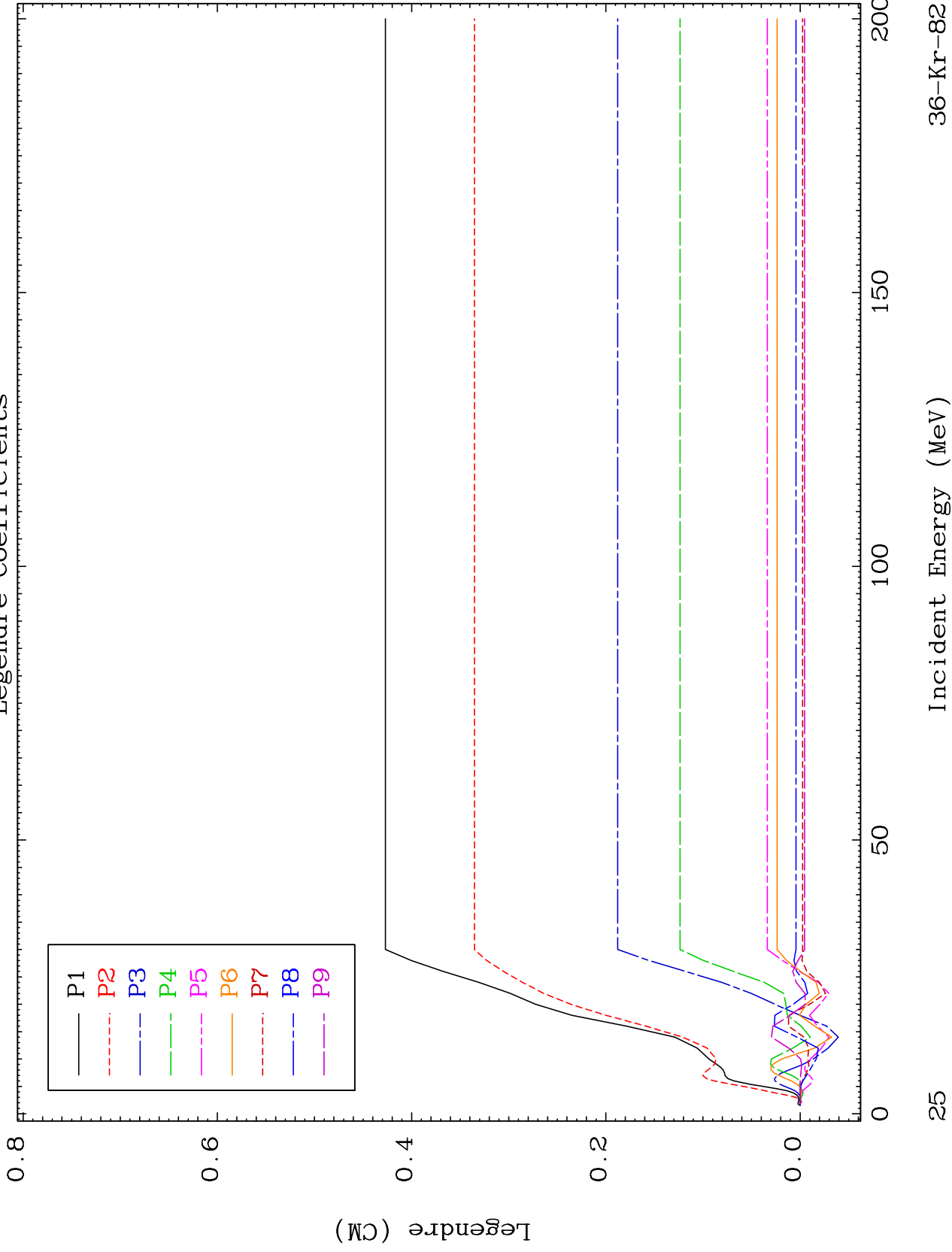
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

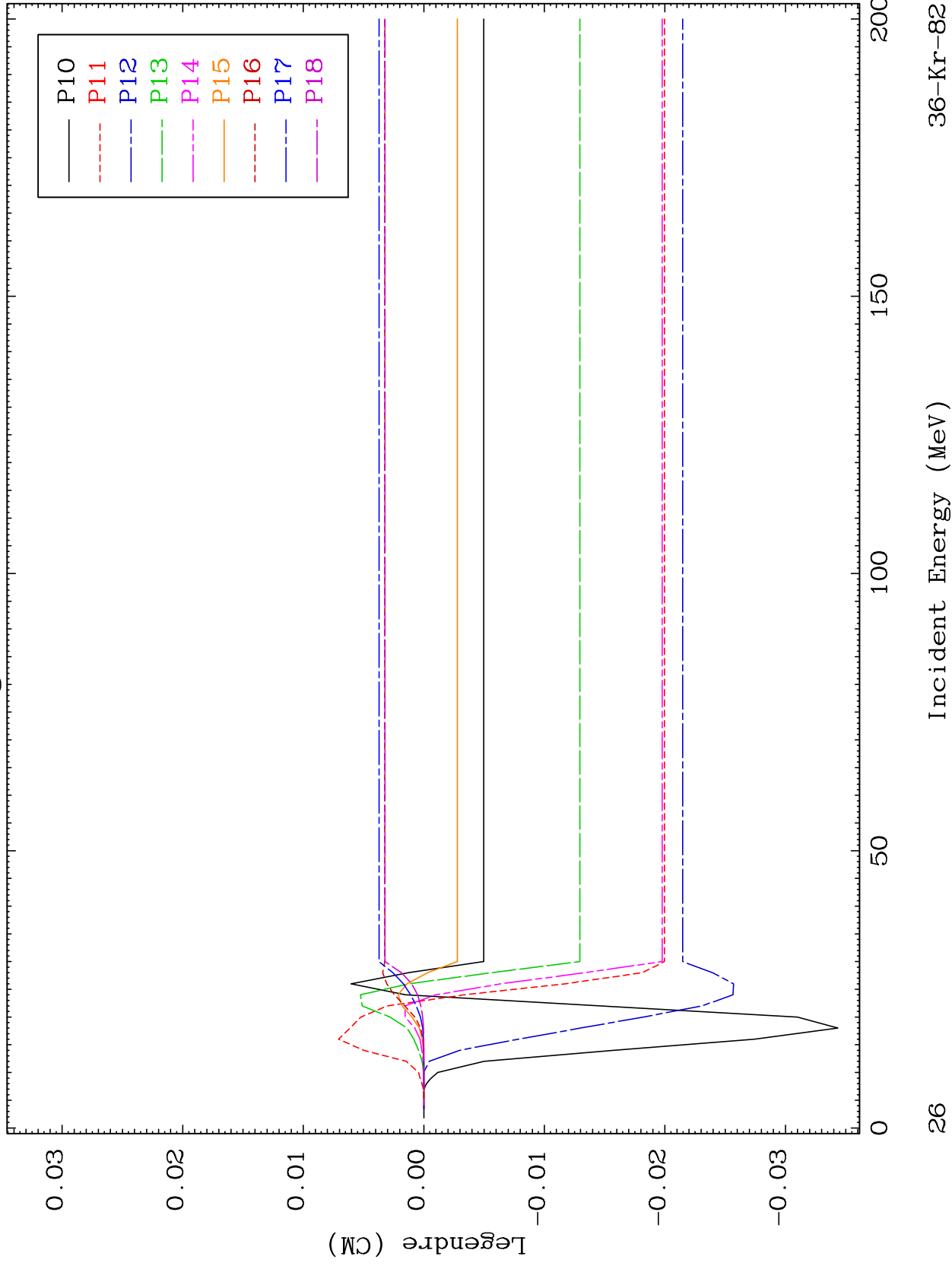
36-Kr-82



MAT 3637

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

36-Kr-82



36-Kr-82

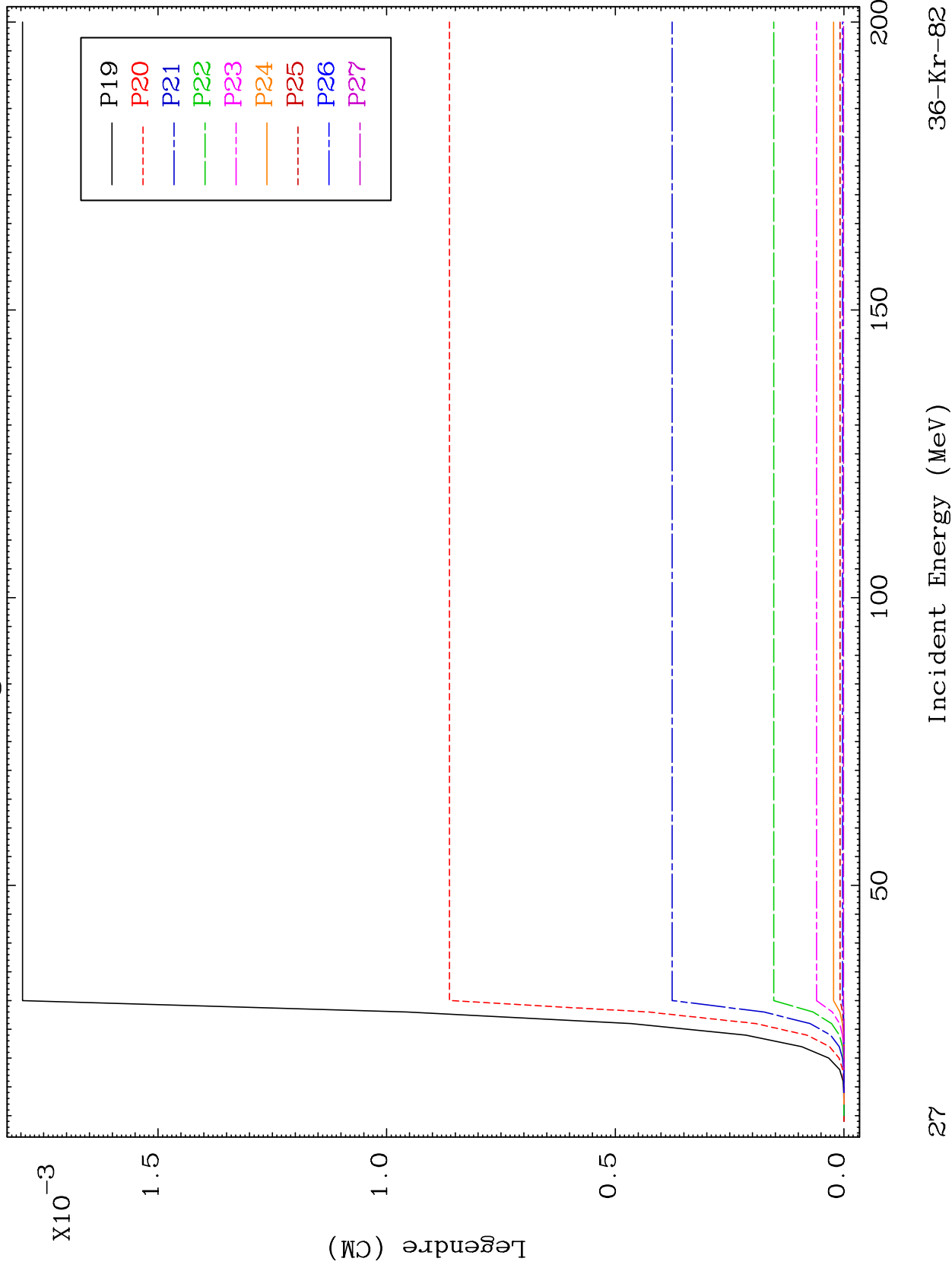
Incident Energy (MeV)

26

MAT 3637

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

36-Kr-82



27

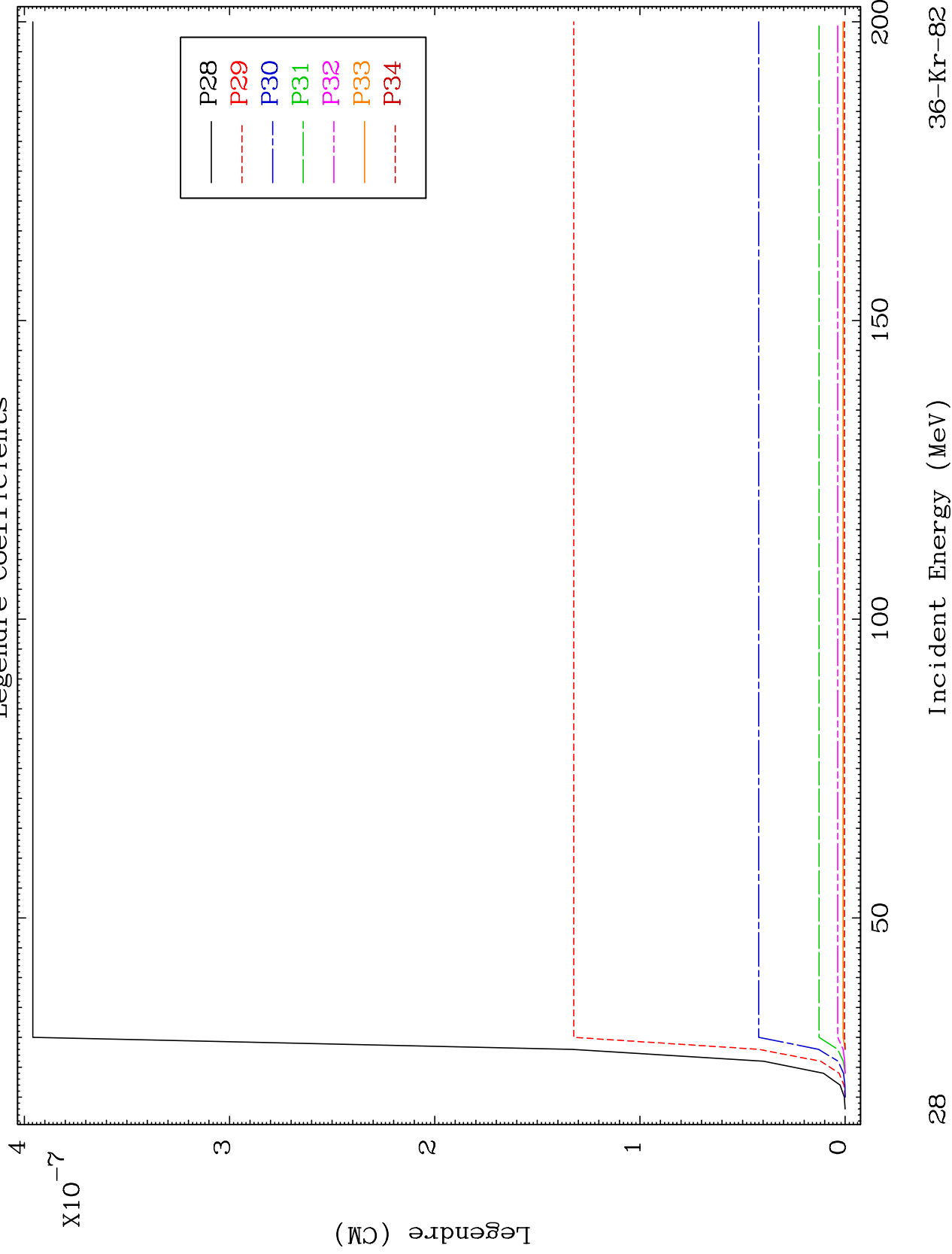
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

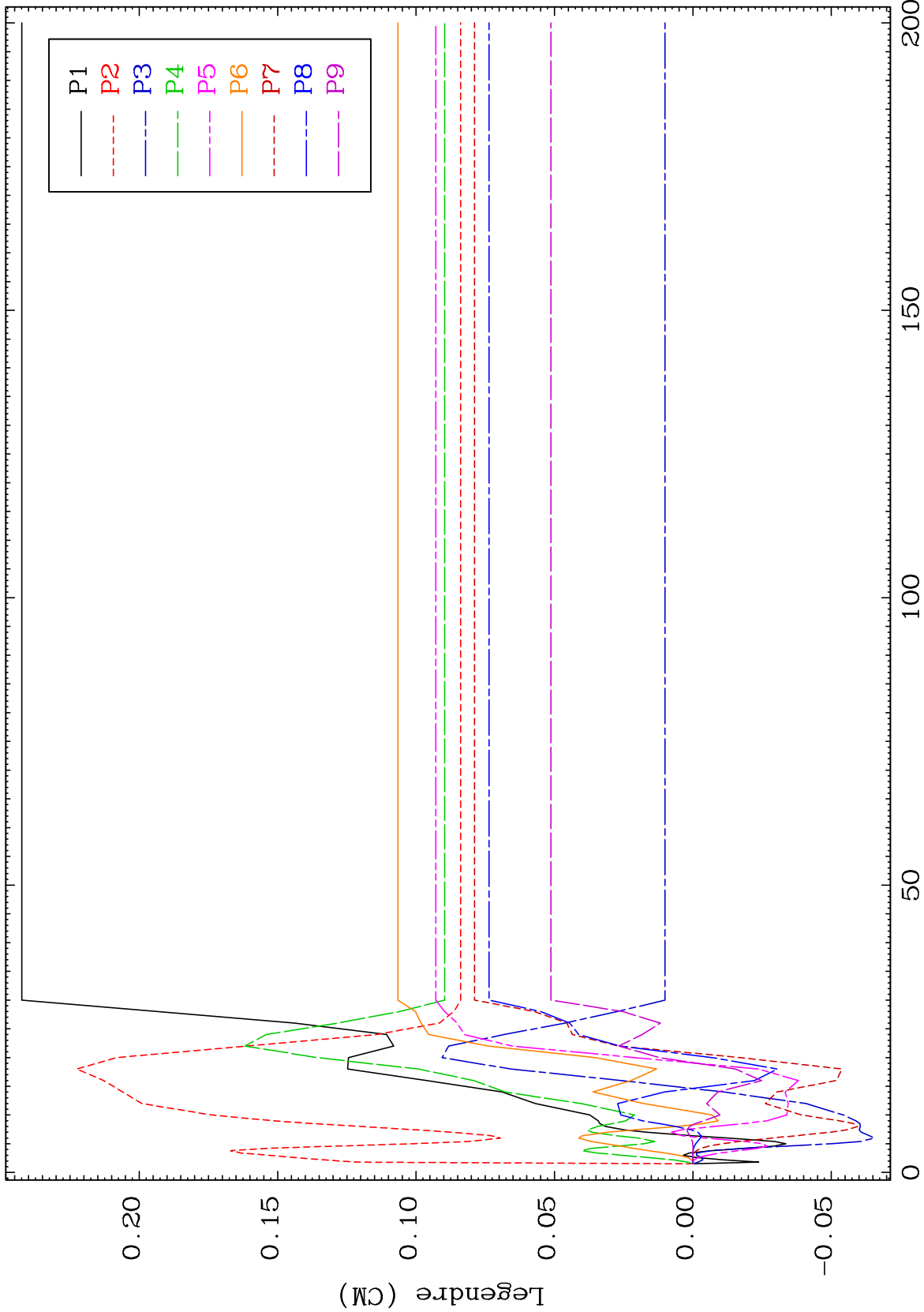
36-Kr-82



MAT 3637

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

36-Kr-82



29

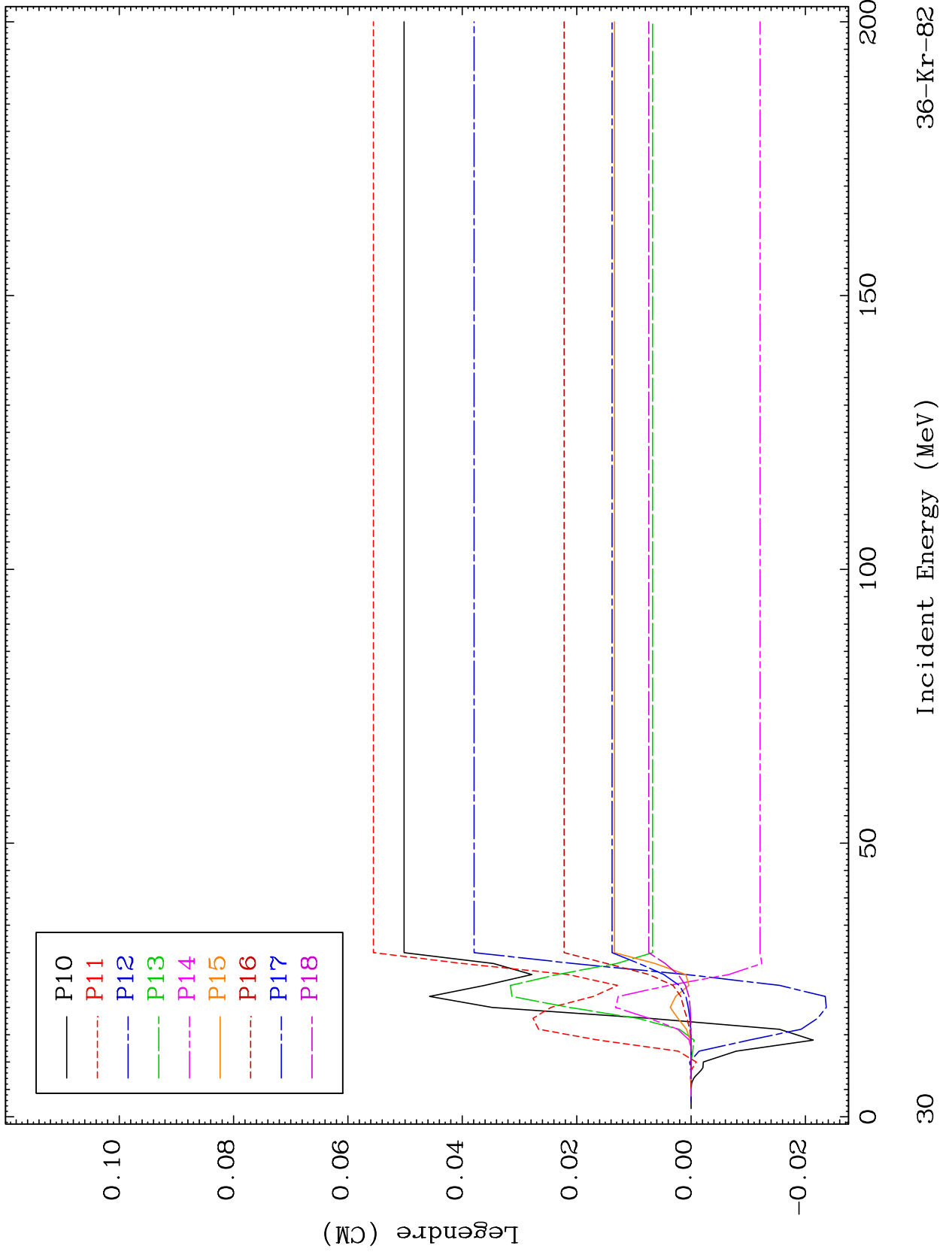
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



36-Kr-82

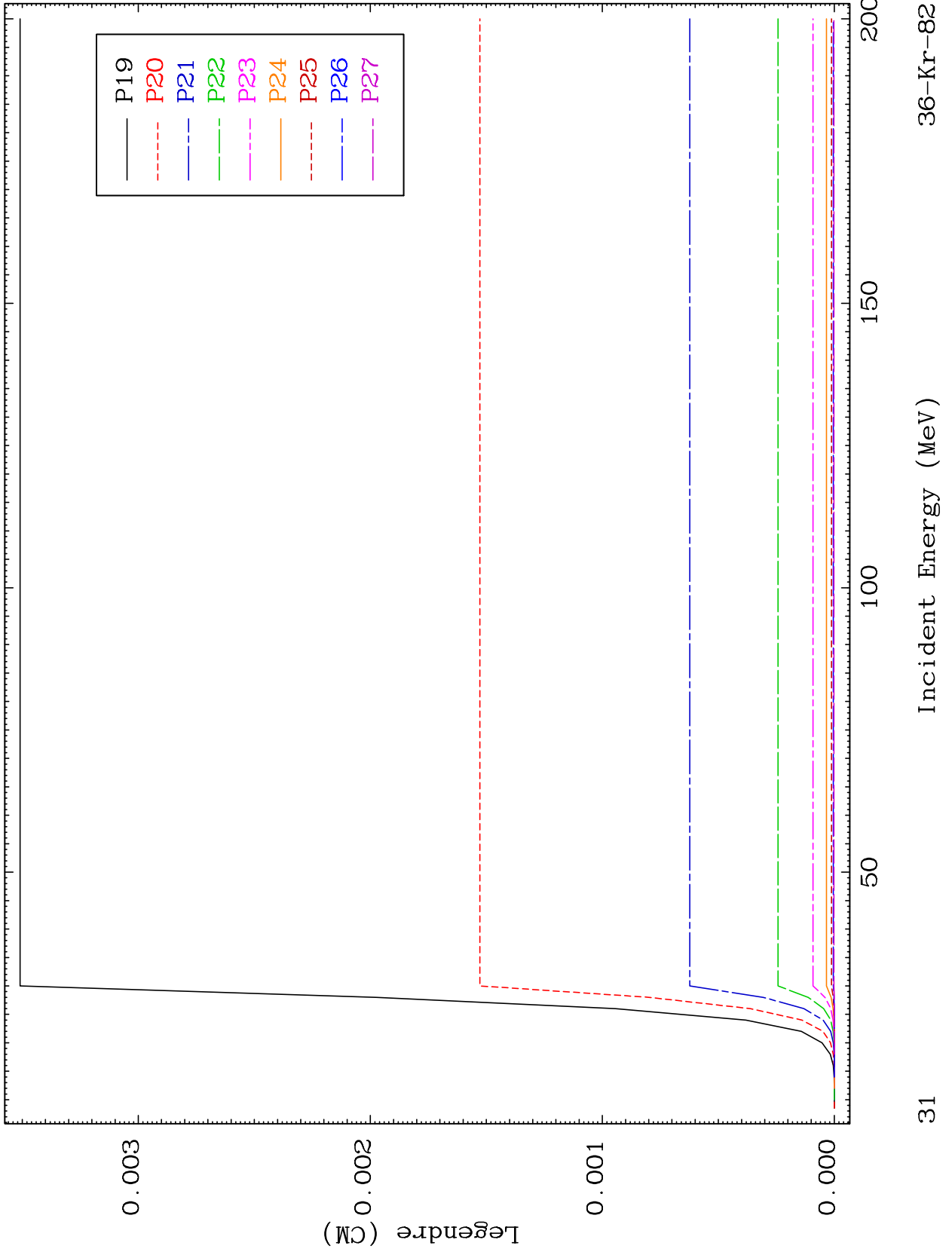
Incident Energy (MeV)

30

MAT 3637

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

36-Kr-82



31

Incident Energy (MeV)

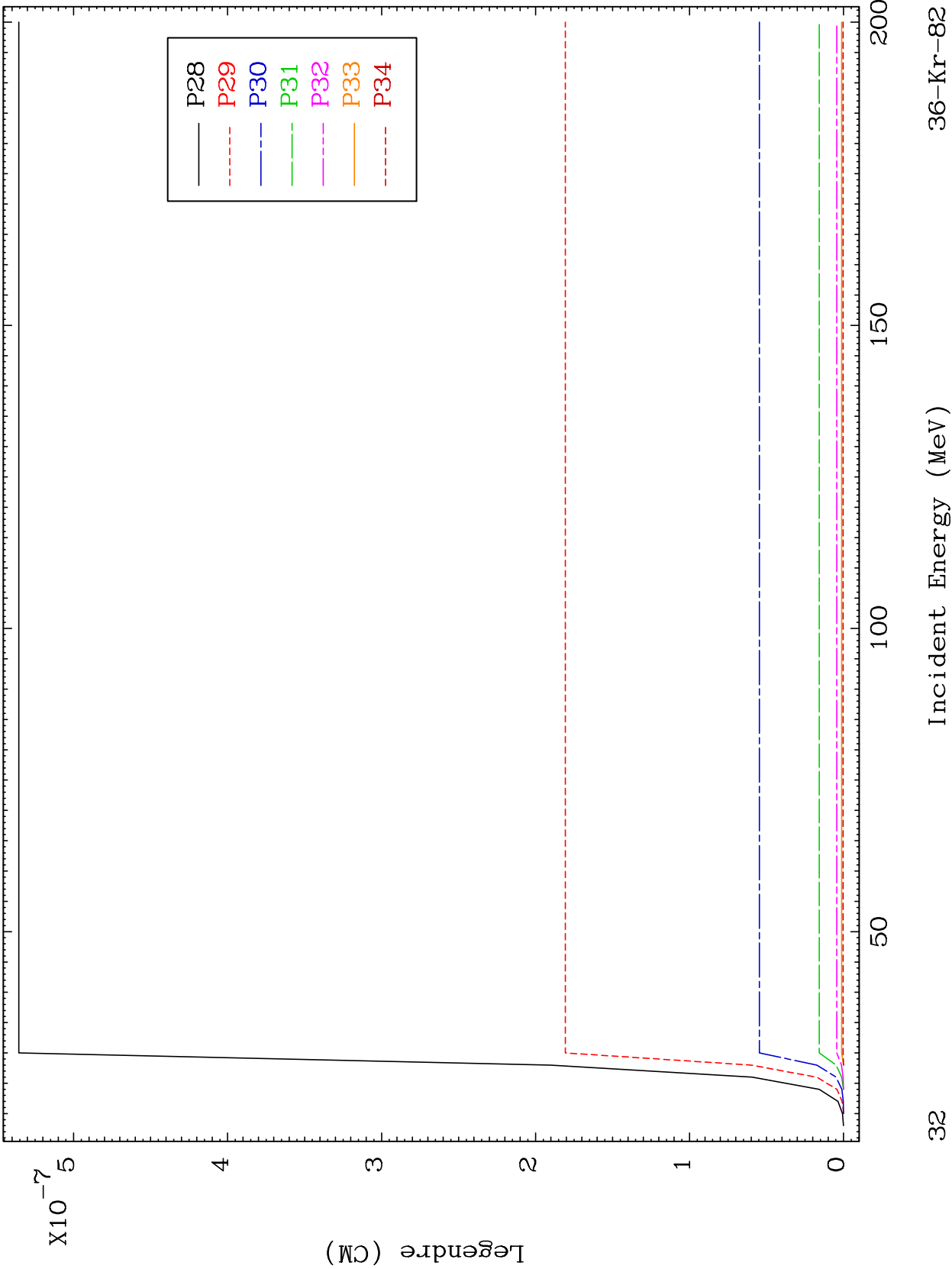
36-Kr-82



MAT 3637

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

36-Kr-82



32

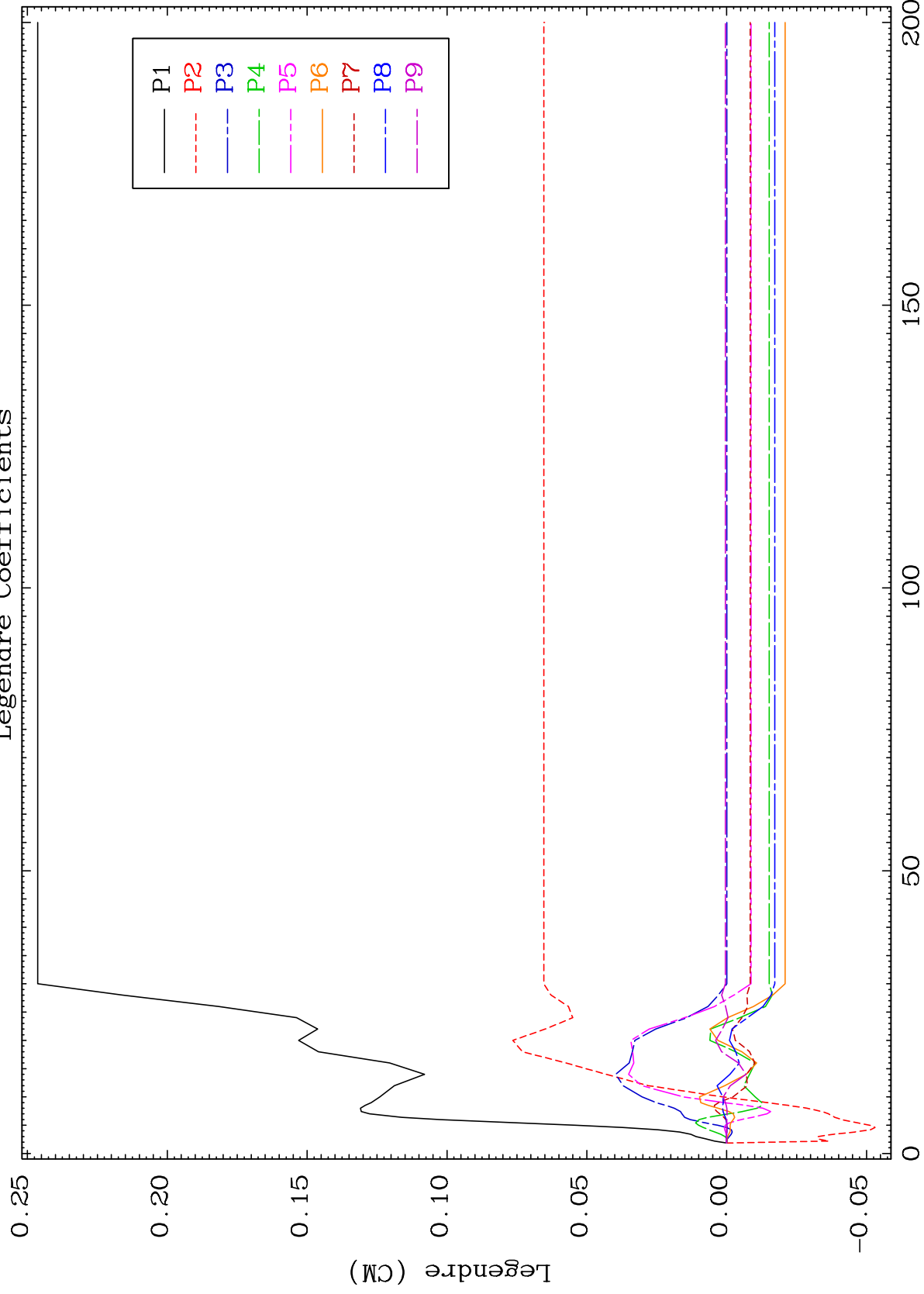
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



33

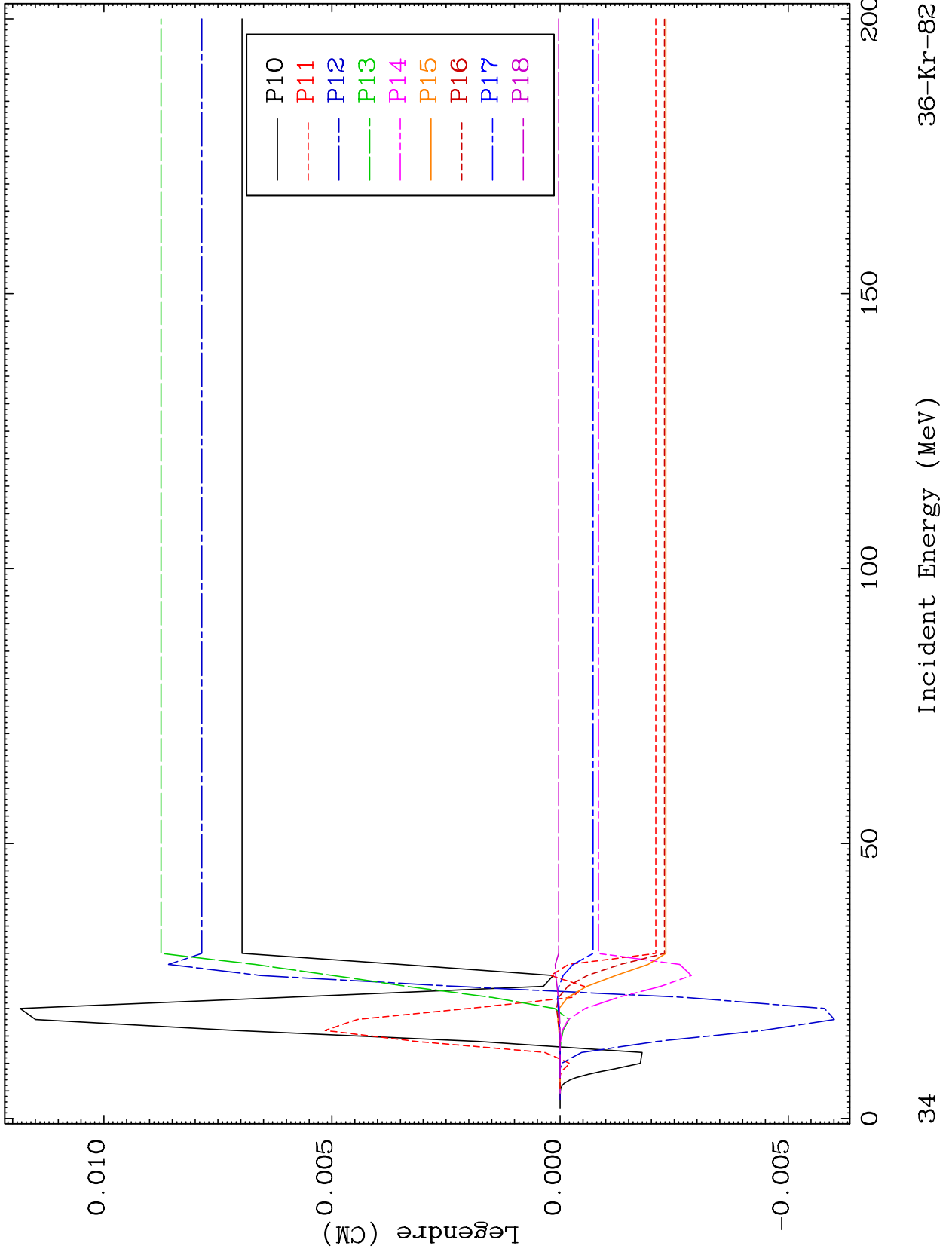
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



34

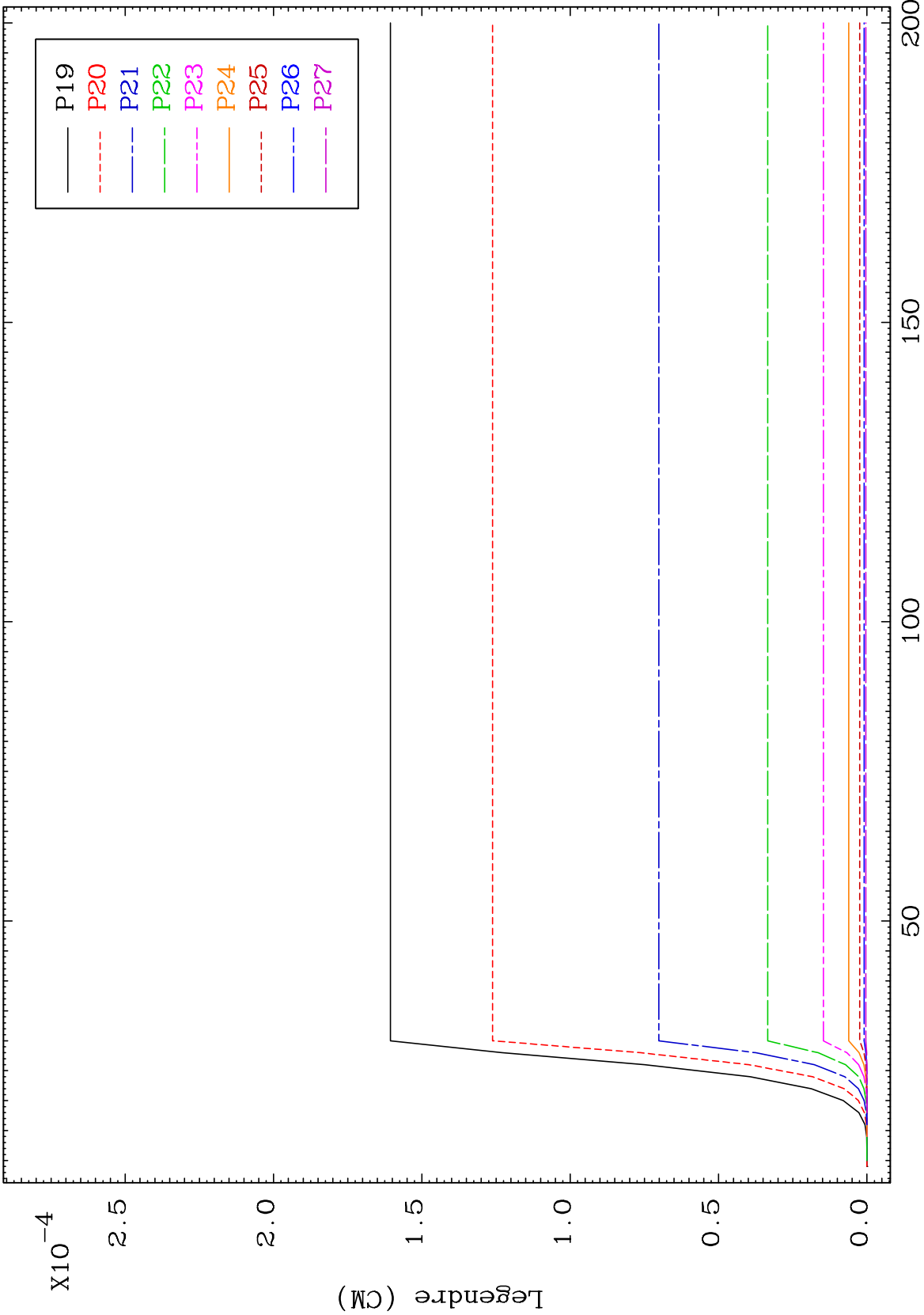
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



35

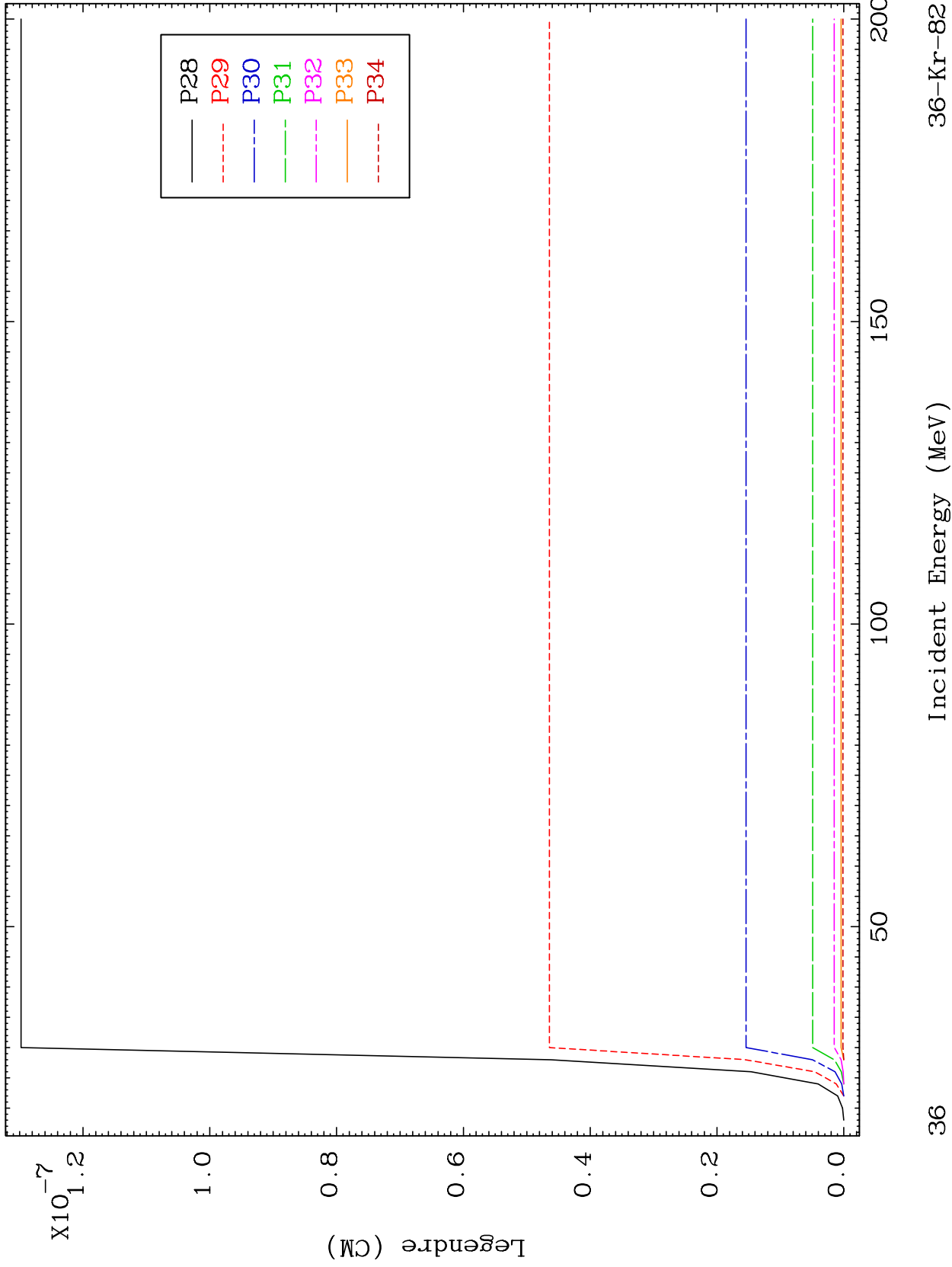
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

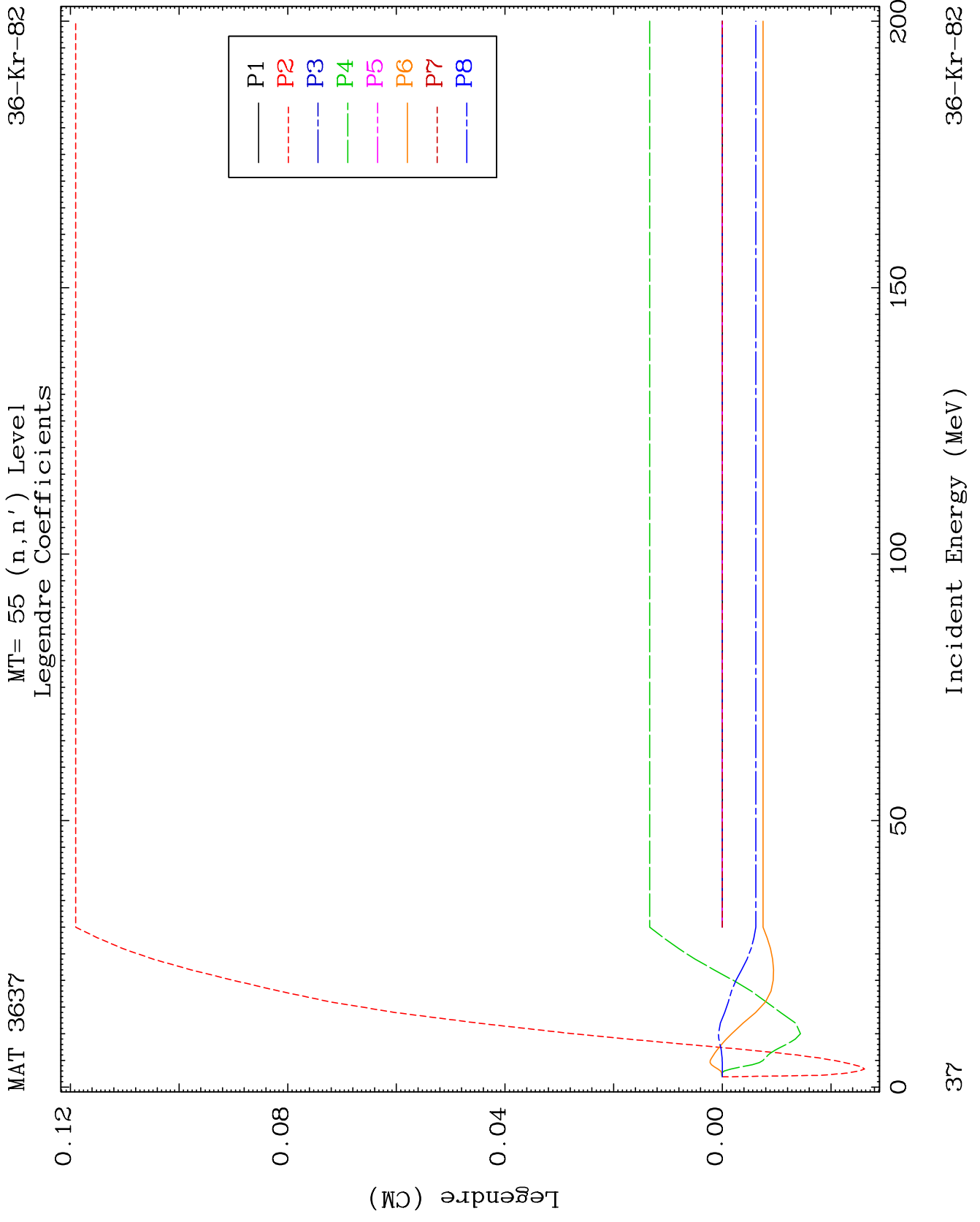
36-Kr-82



36

Incident Energy (MeV)

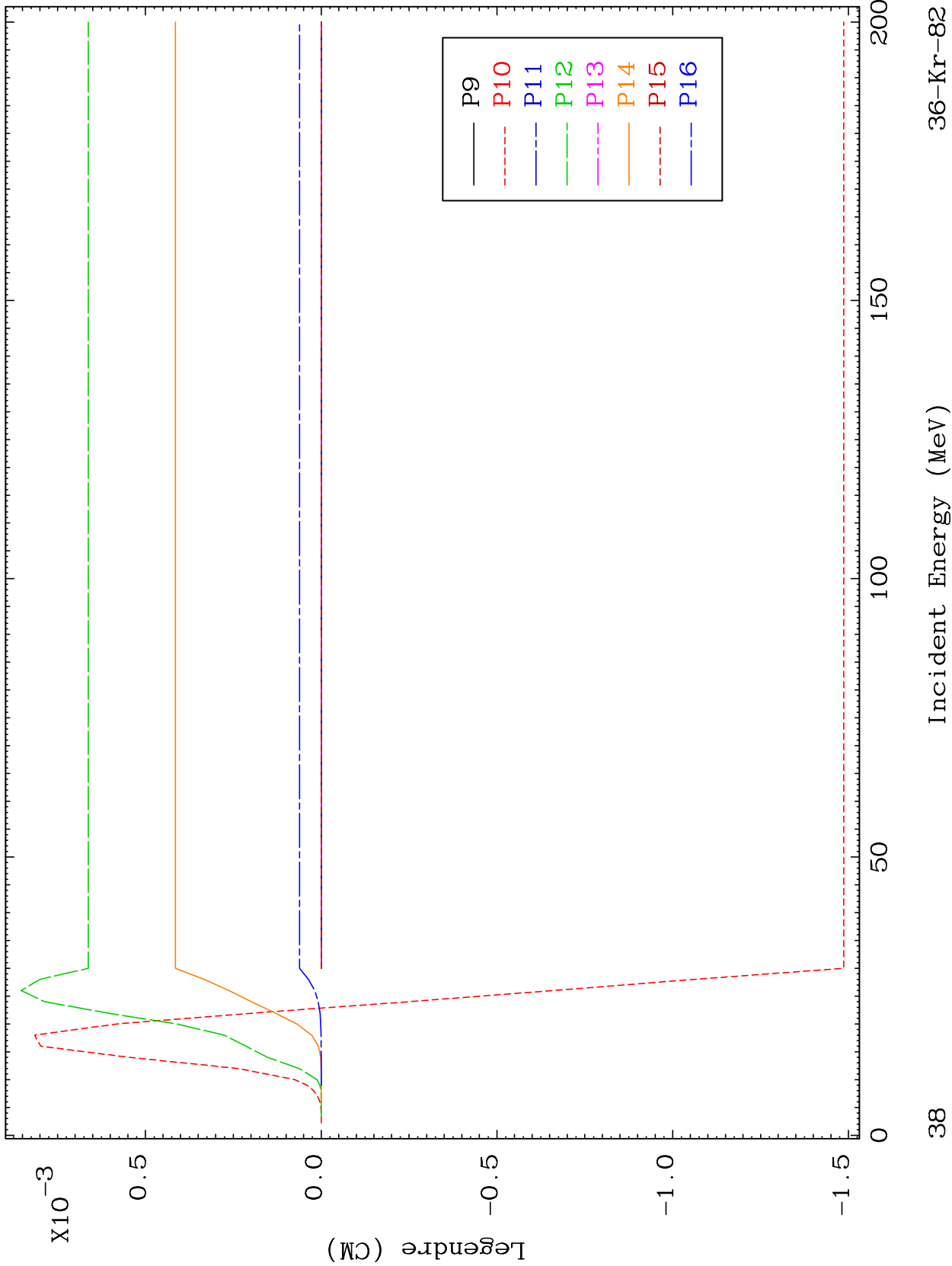
36-Kr-82



MAT 3637

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

36-Kr-82



38

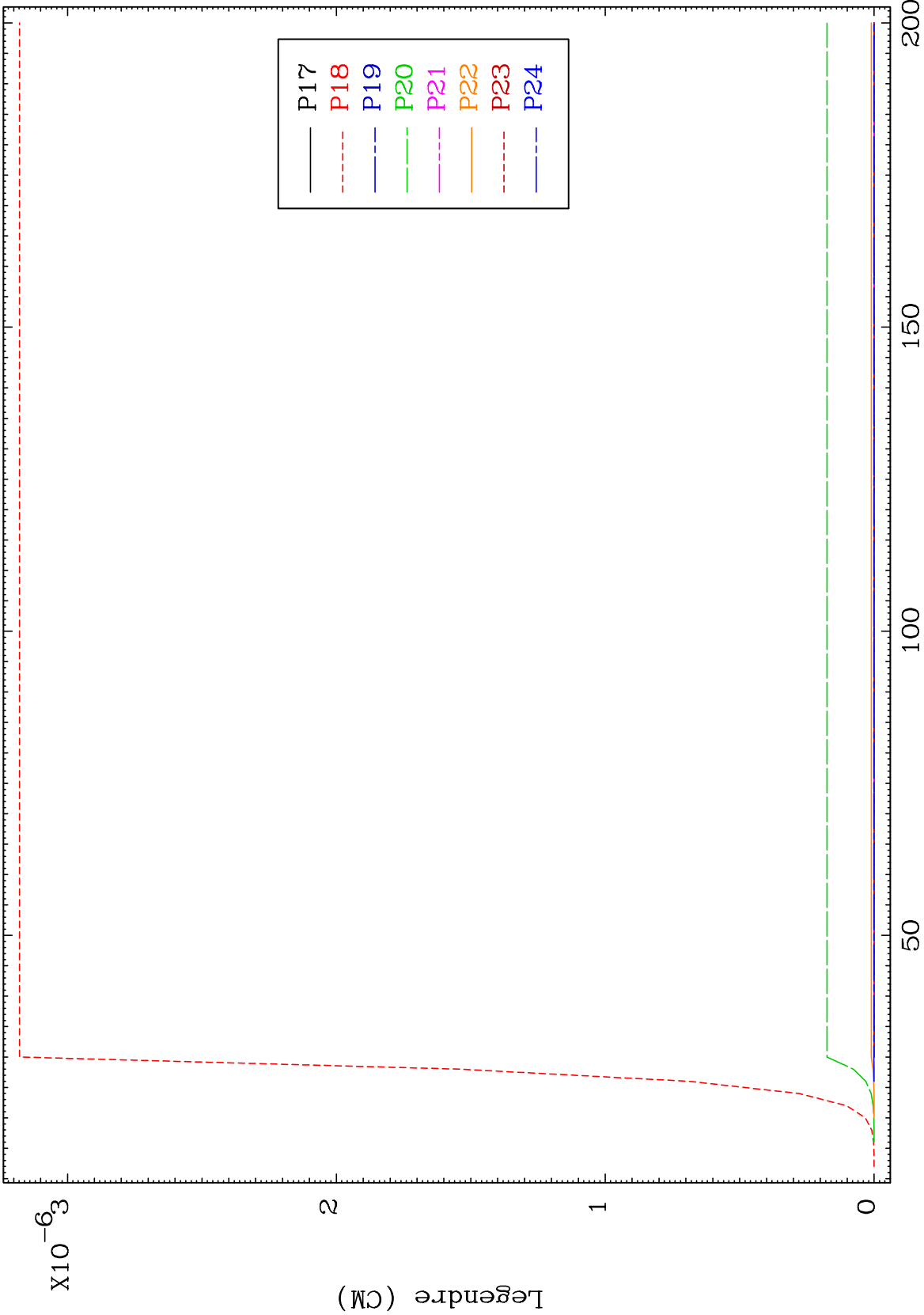
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



39

Incident Energy (MeV)

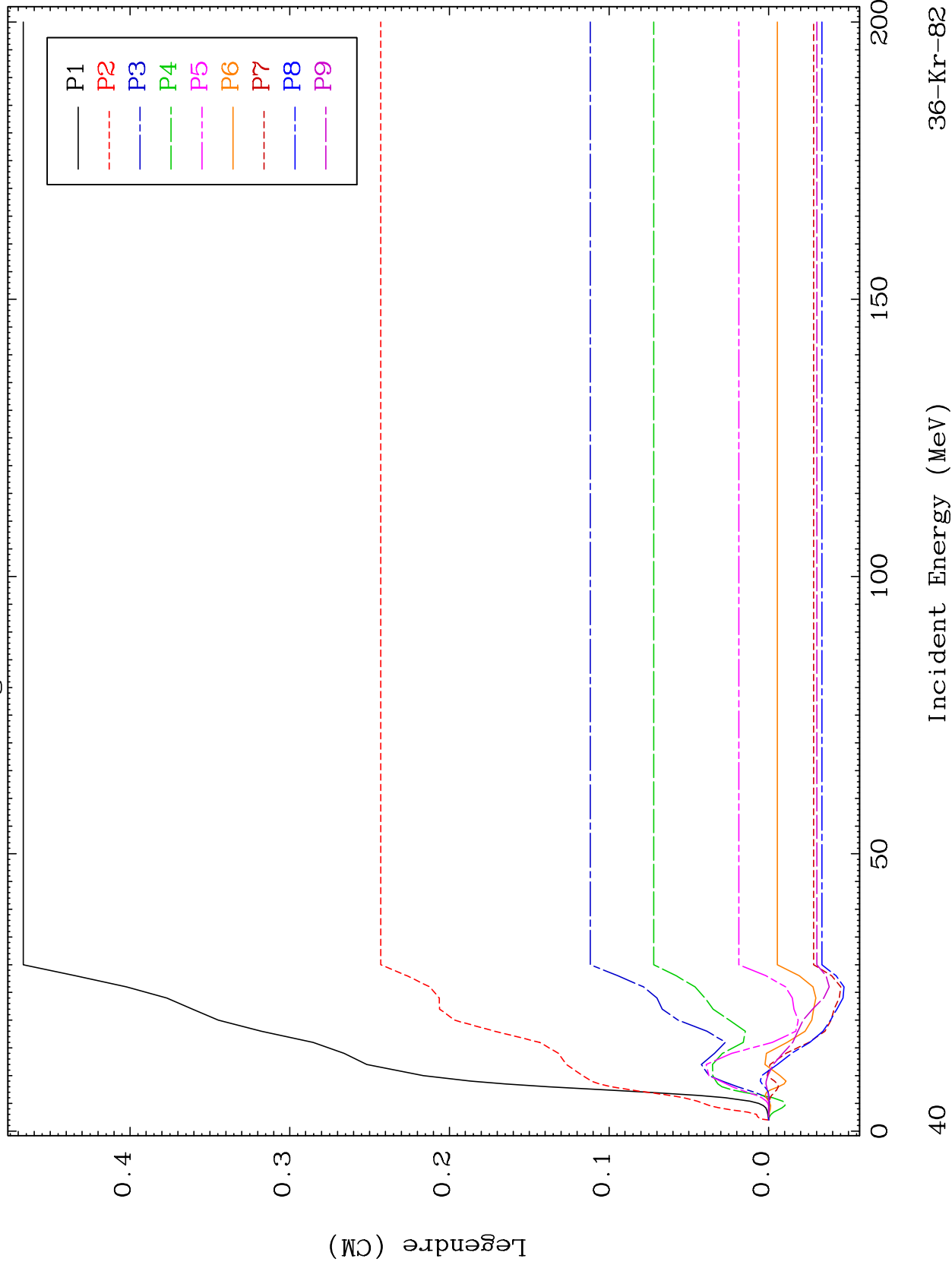
36-Kr-82



MAT 3637

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

36-Kr-82



36-Kr-82

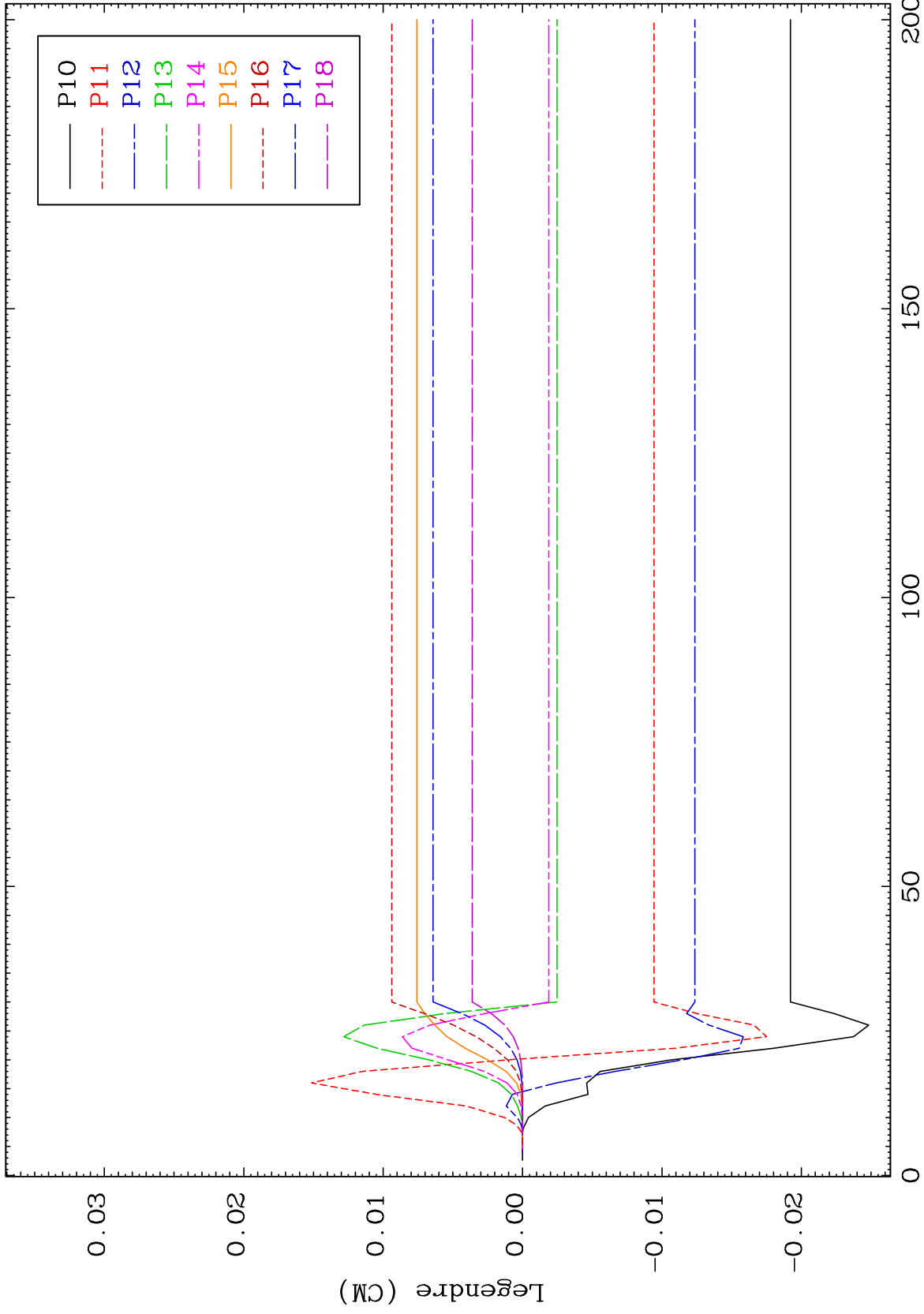
Incident Energy (MeV)

40

MAT 3637

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

36-Kr-82



41

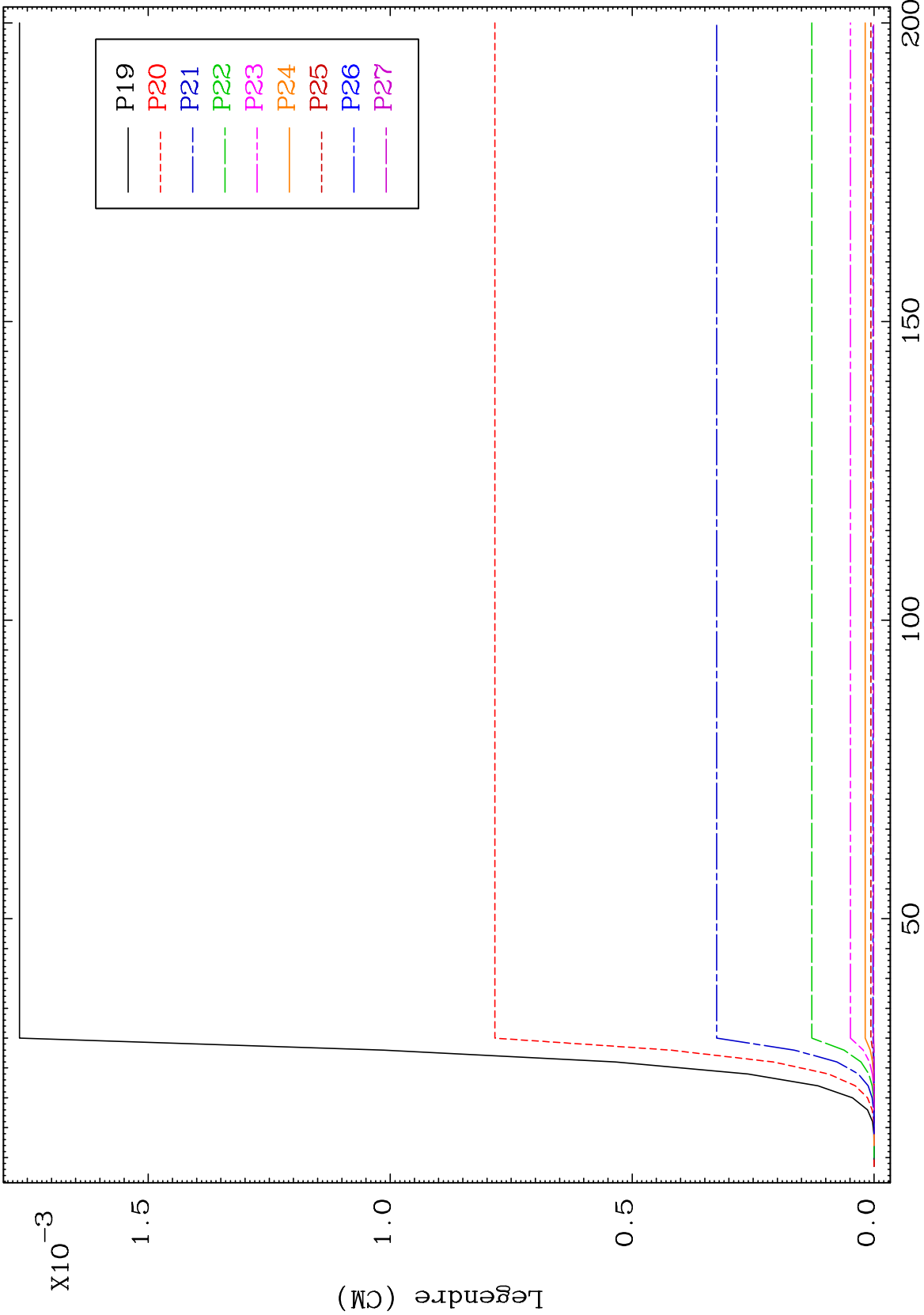
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



42

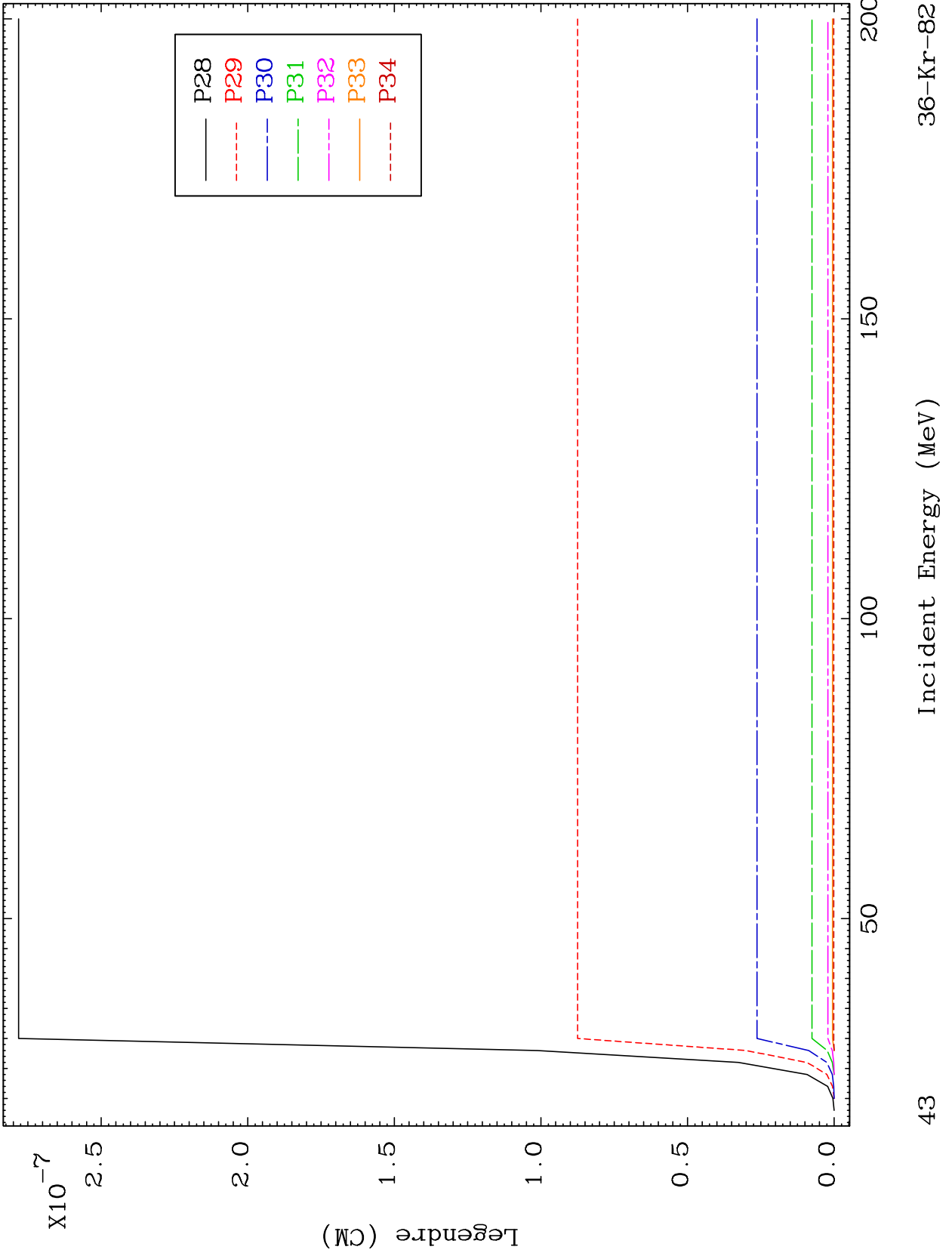
Incident Energy (MeV)

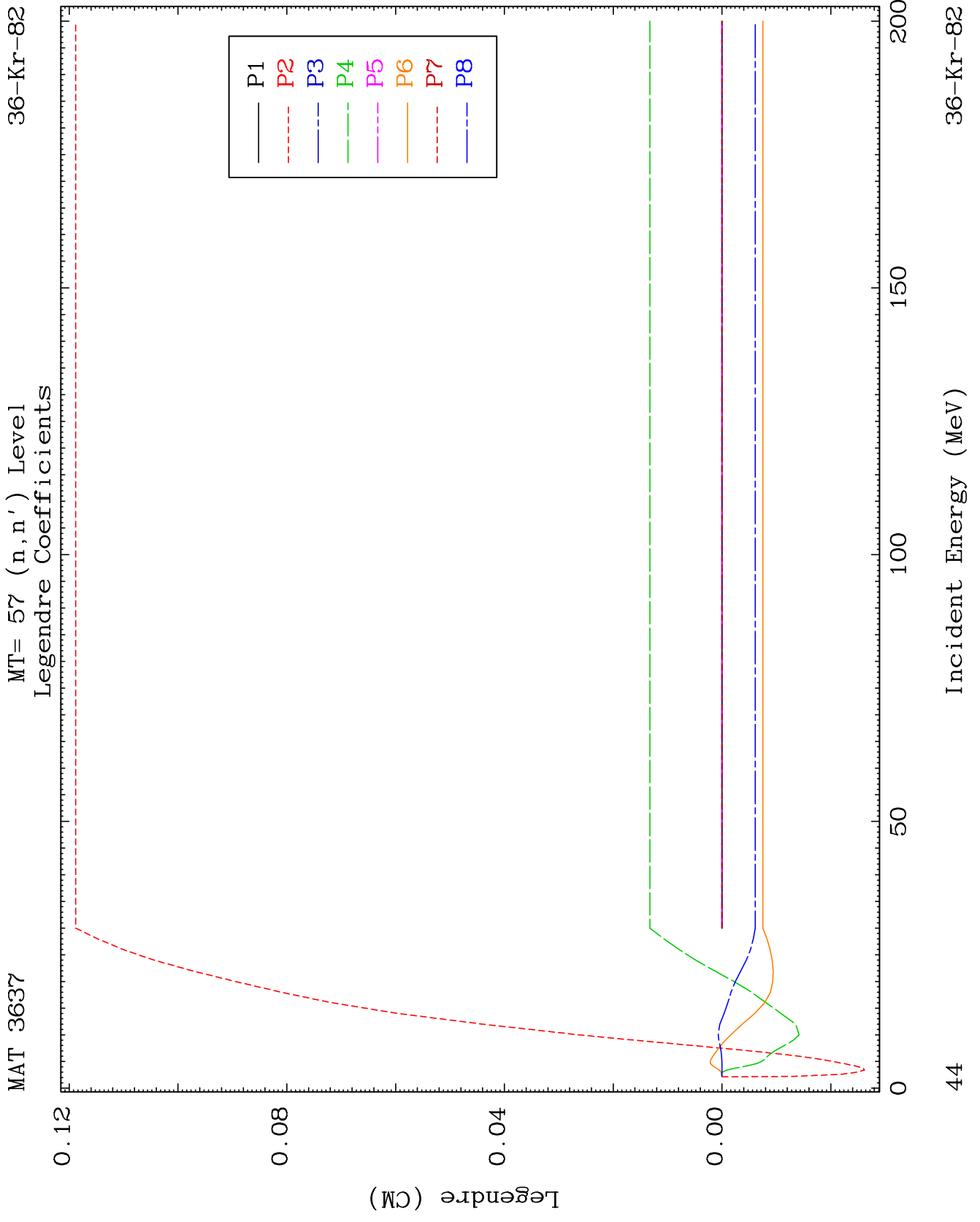
36-Kr-82

MAT 3637

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

36-Kr-82

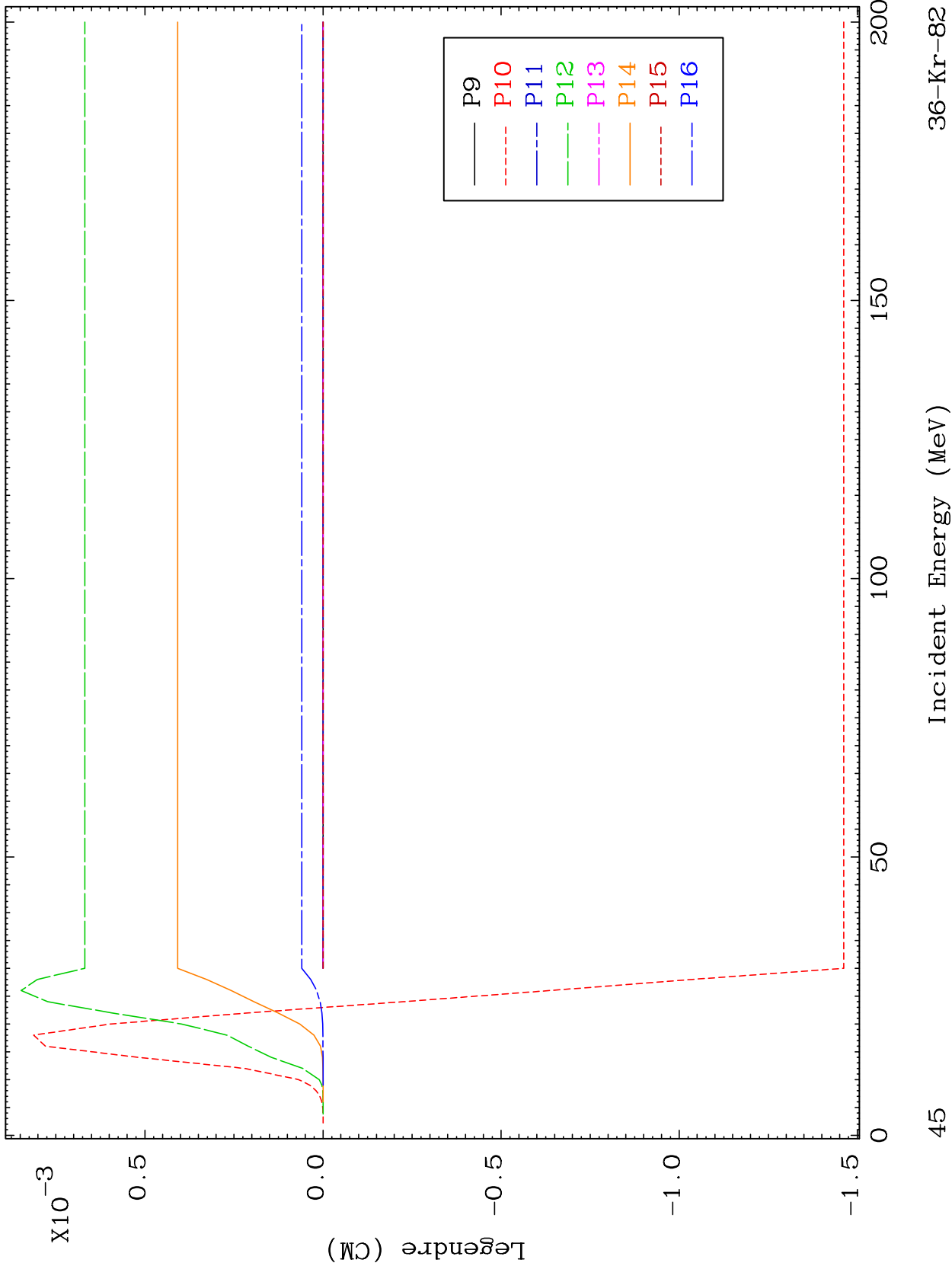




MAT 3637

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

36-Kr-82



36-Kr-82

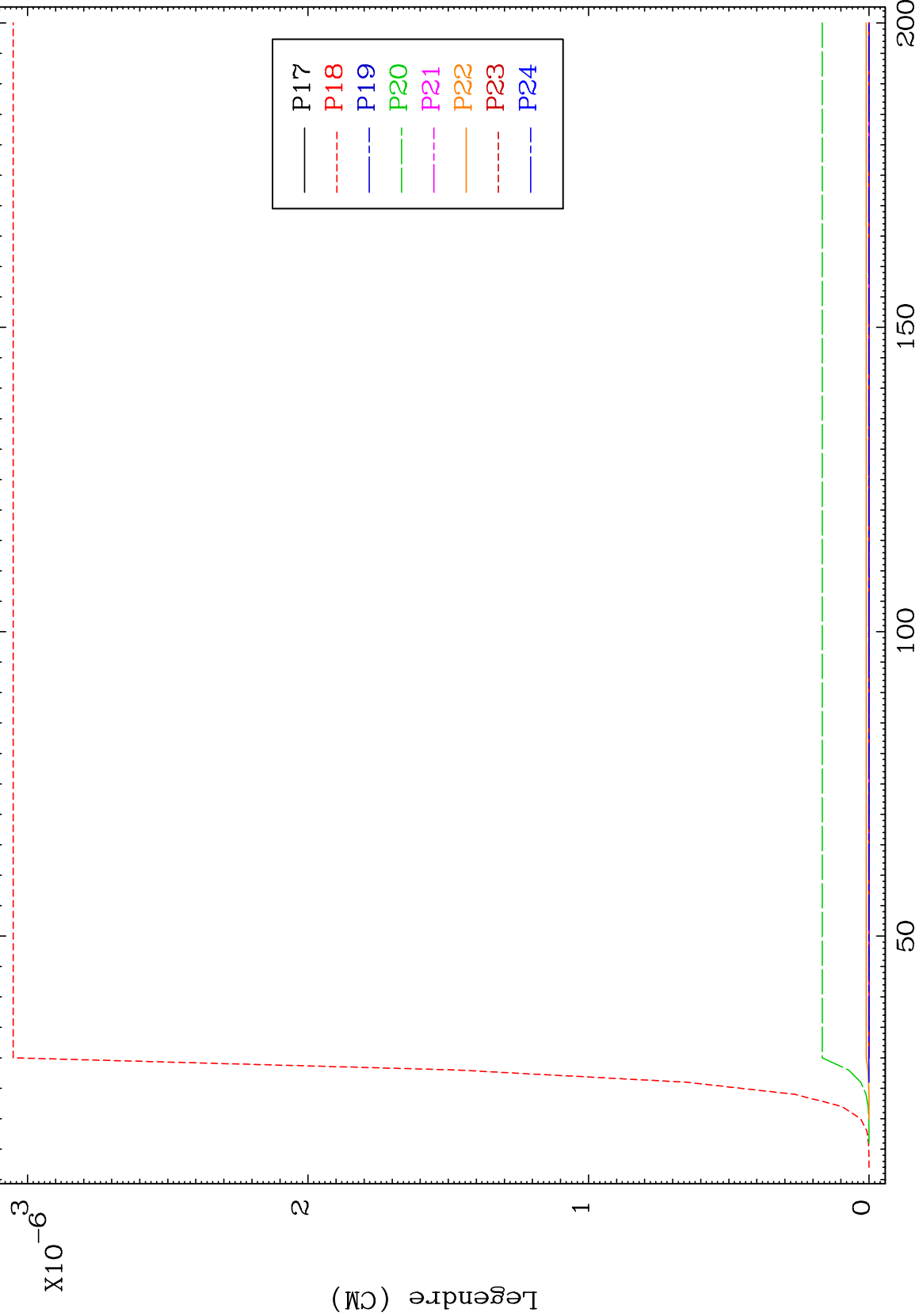
Incident Energy (MeV)

45

MAT 3637

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

36-Kr-82



46

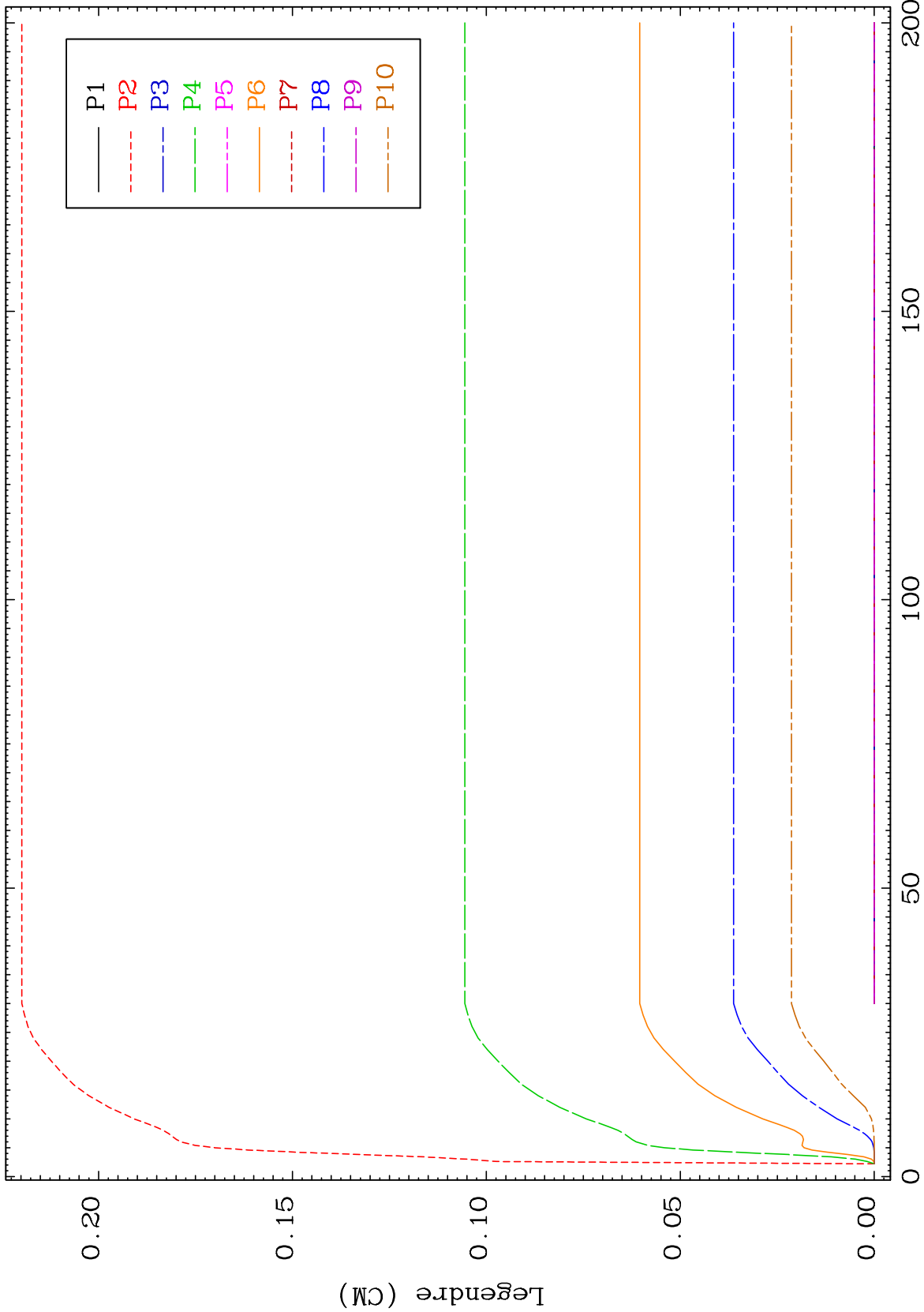
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



47

Incident Energy (MeV)

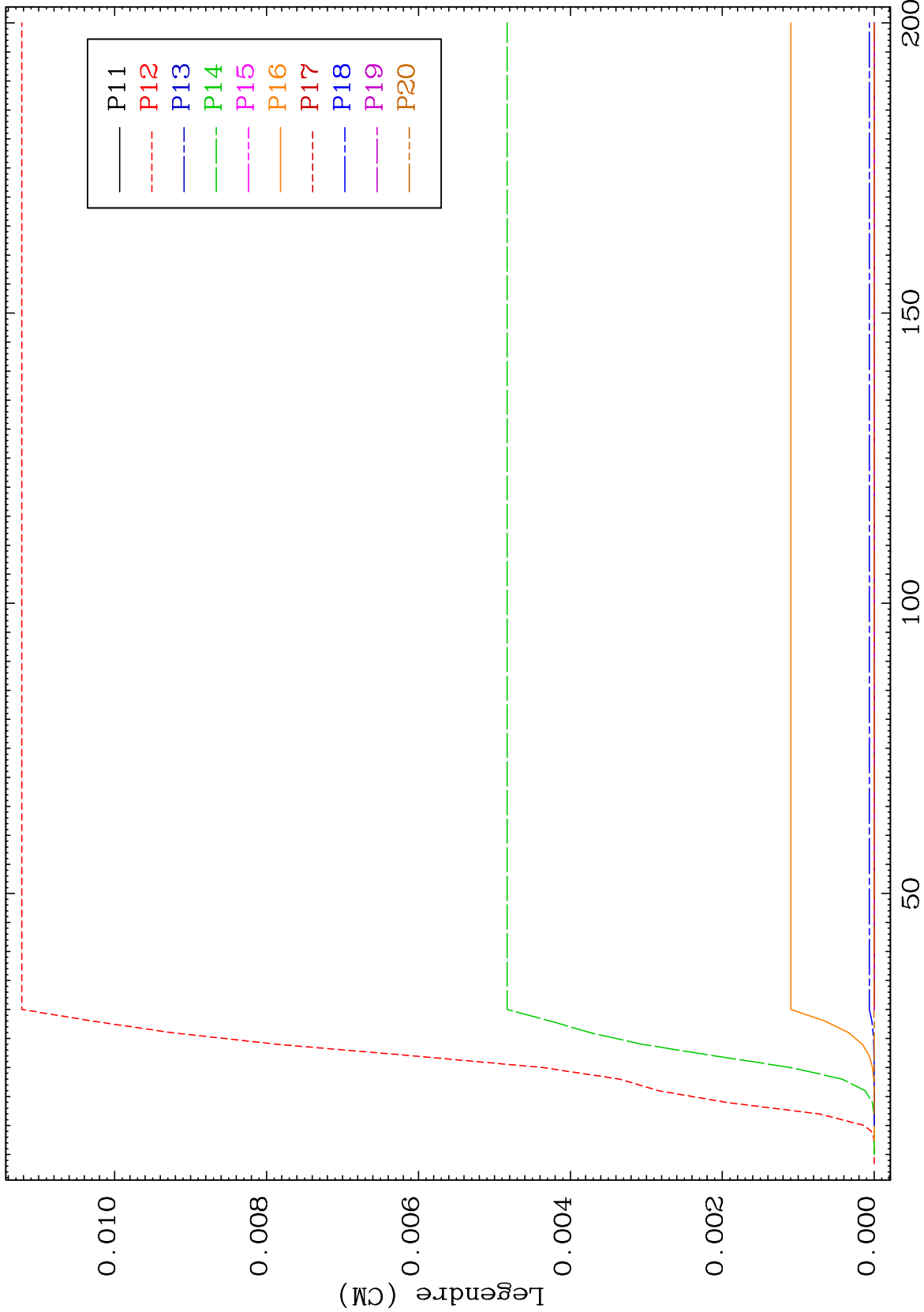
36-Kr-82



MAT 3637

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

36-Kr-82



48

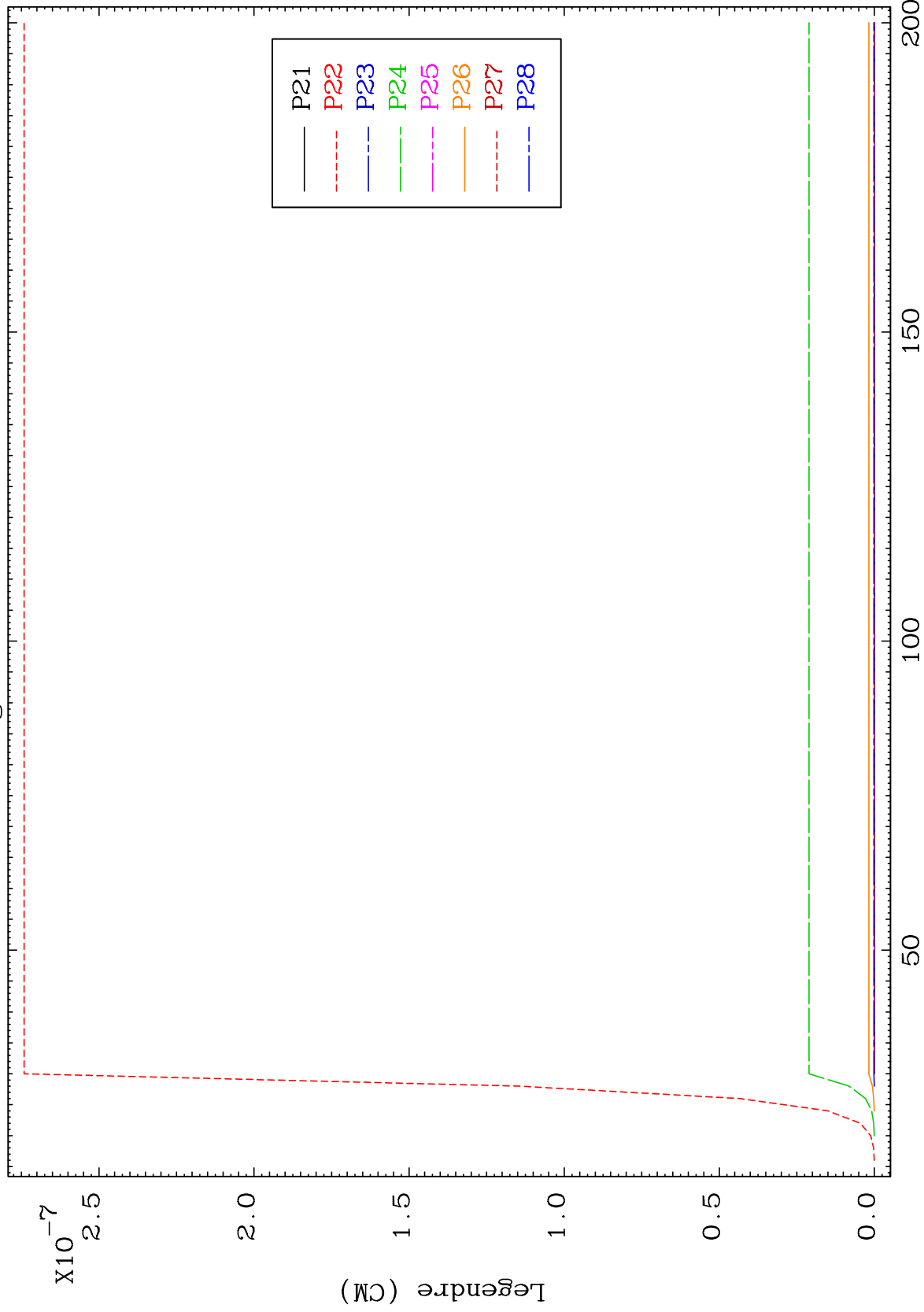
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



49

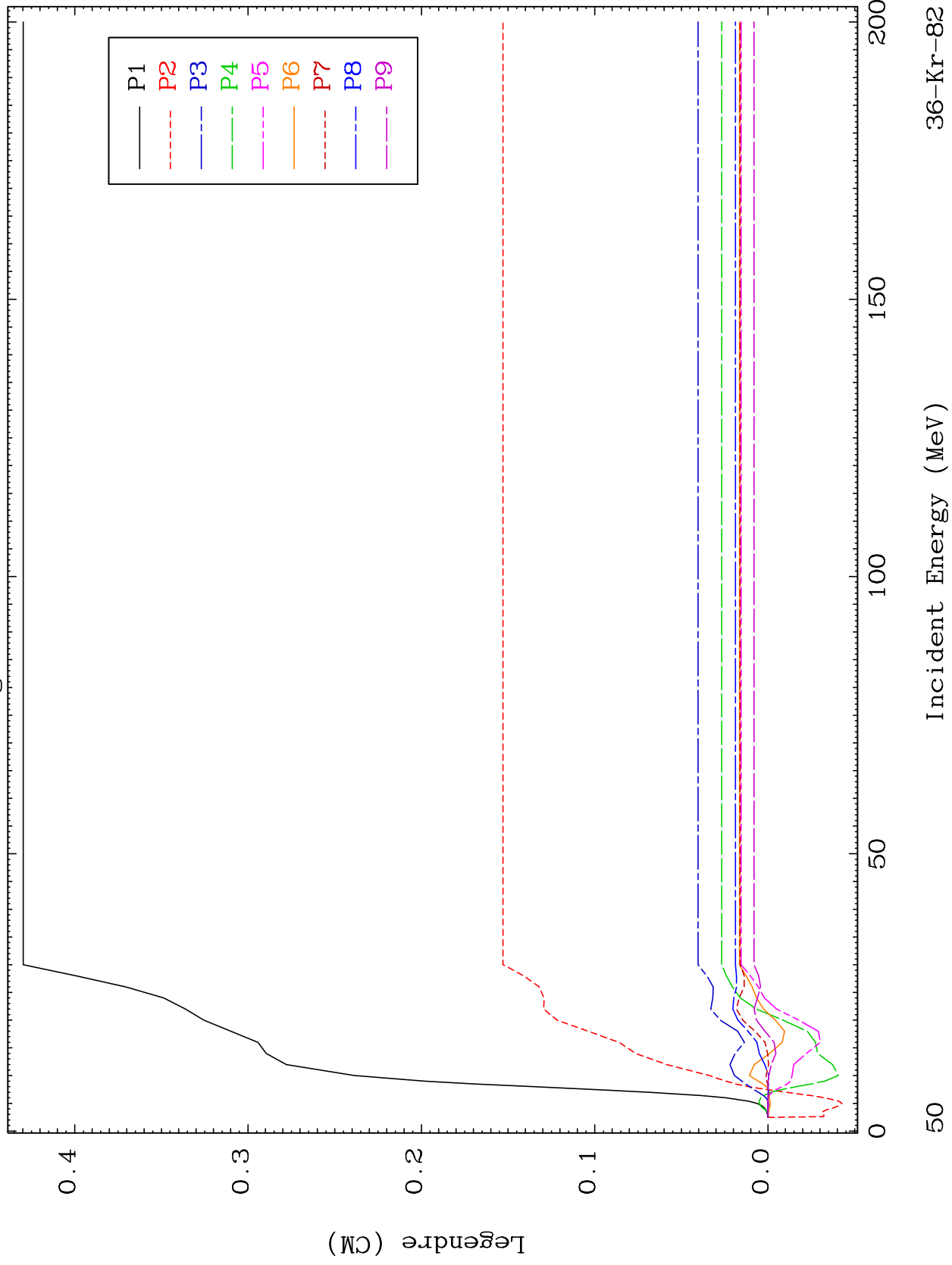
Incident Energy (MeV)

36-Kr-82

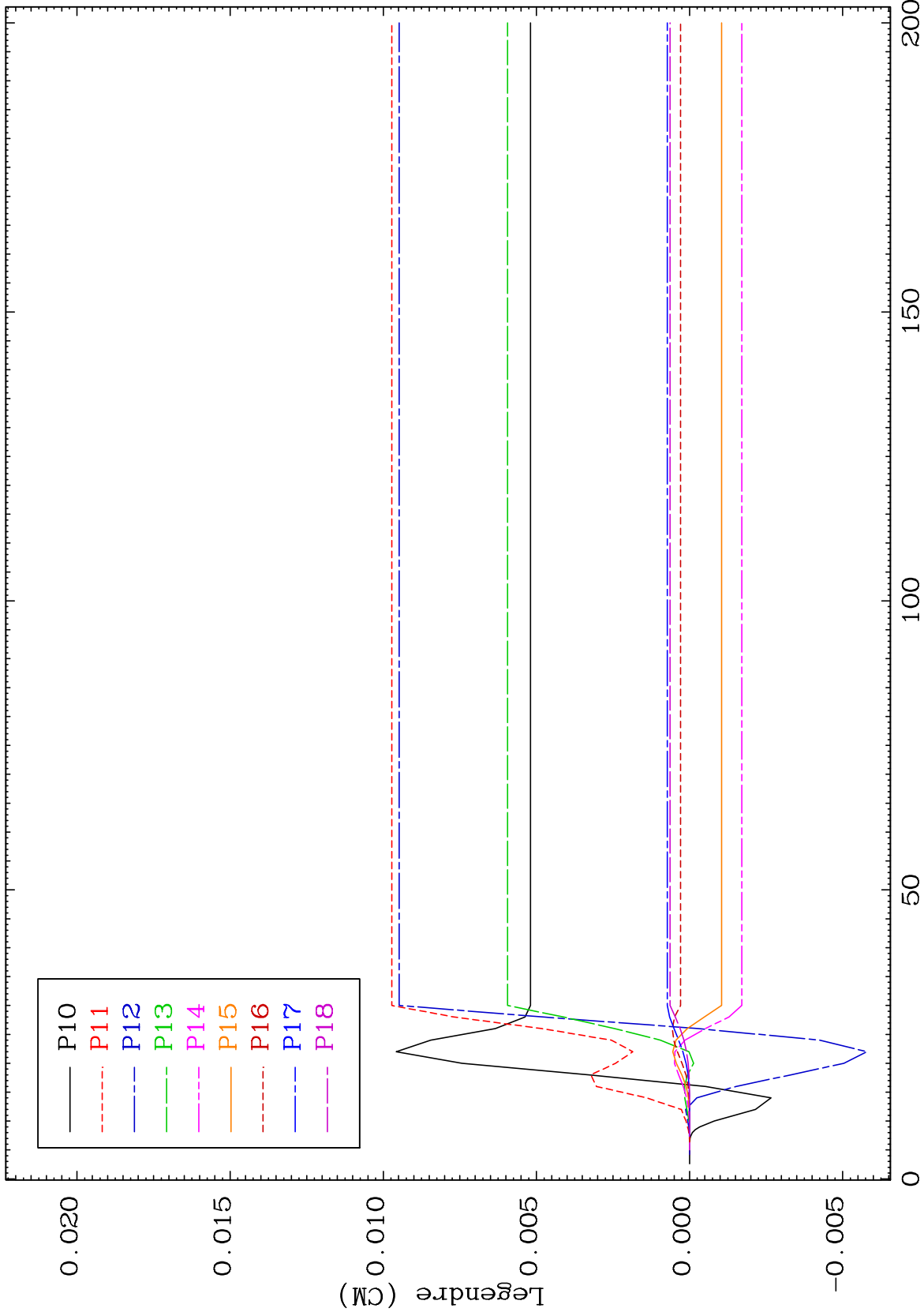
MAT 3637

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

36-Kr-82



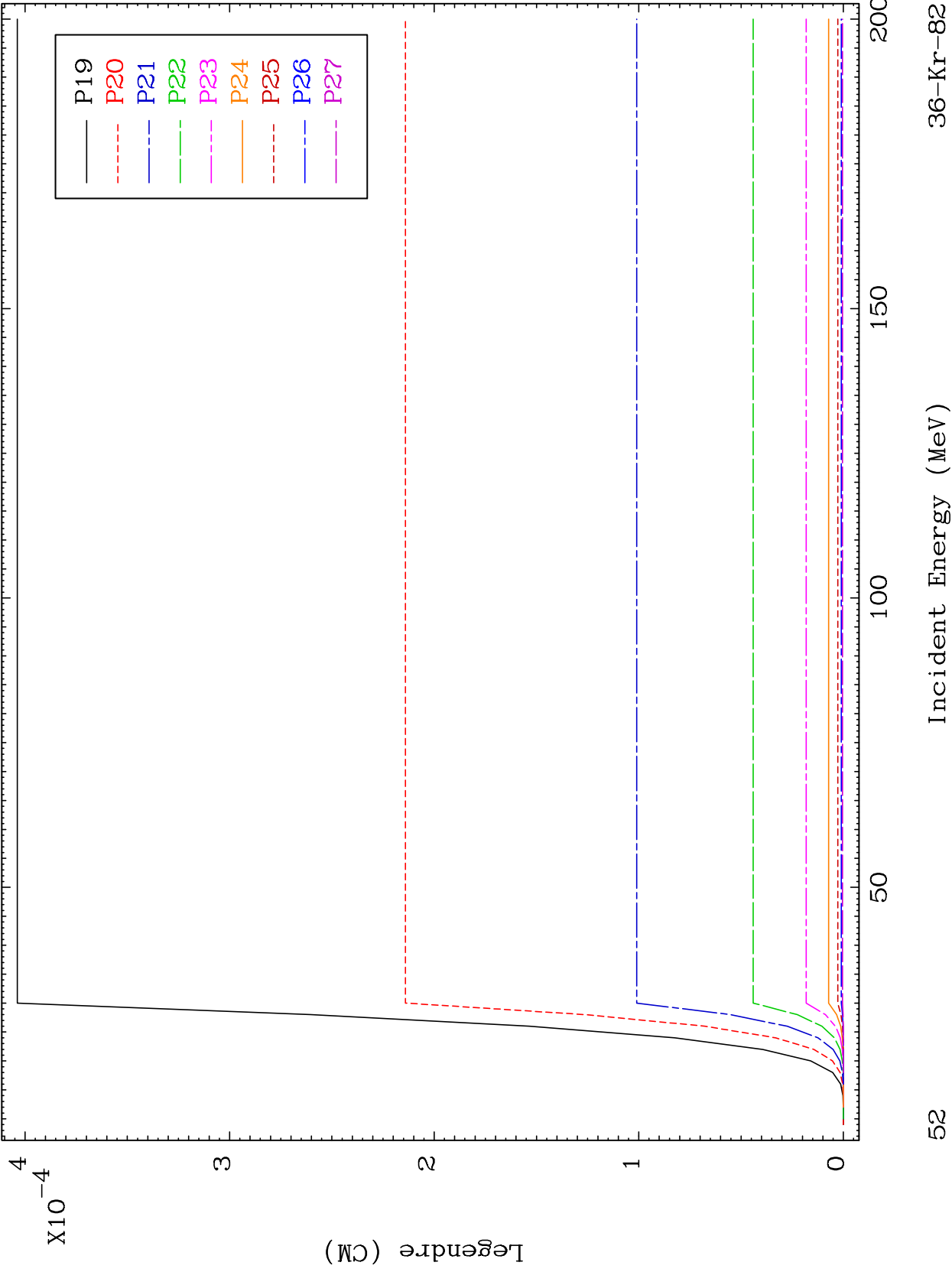
36-Kr-82



MAT 3637

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

36-Kr-82



52

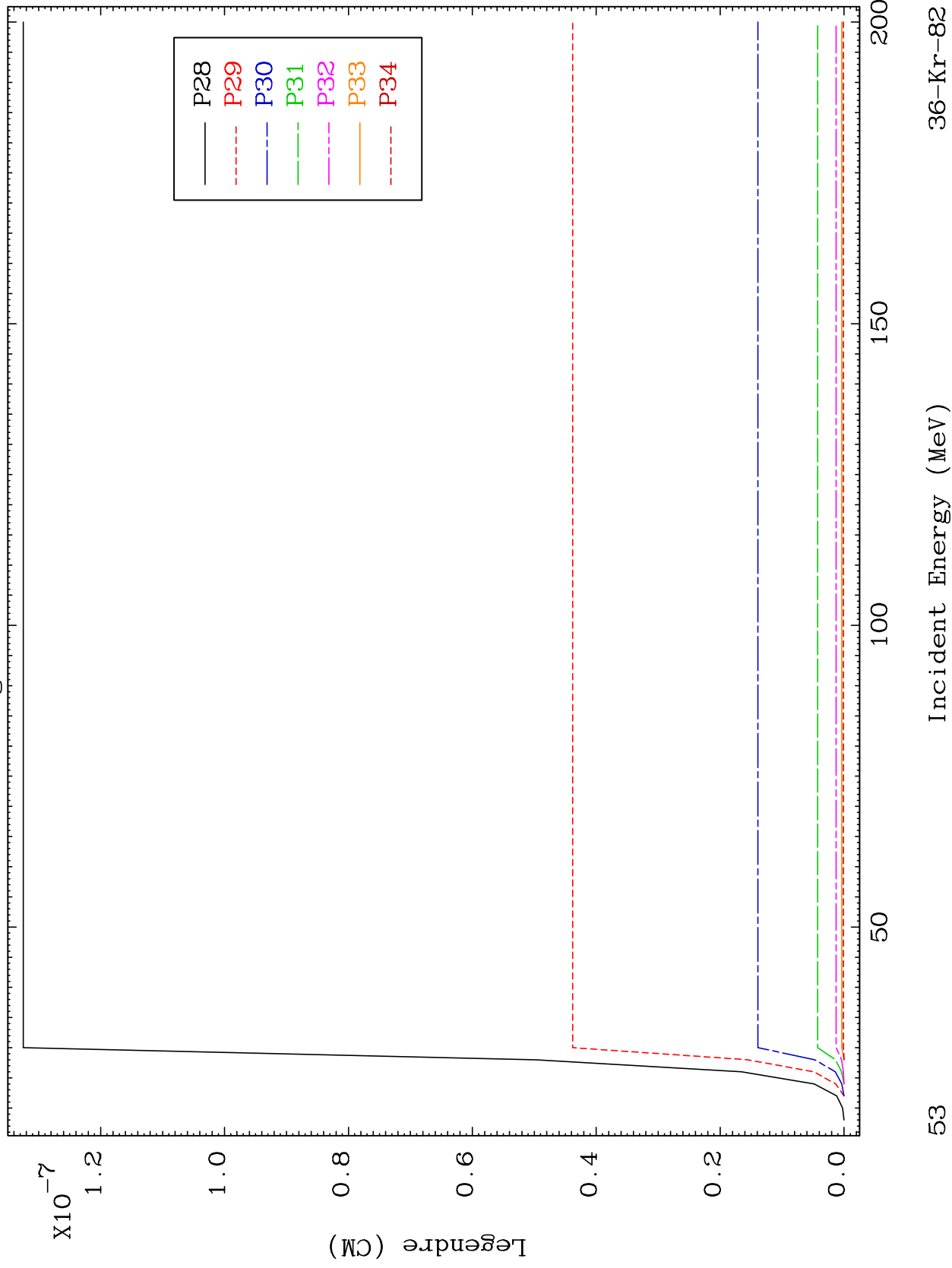
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



53

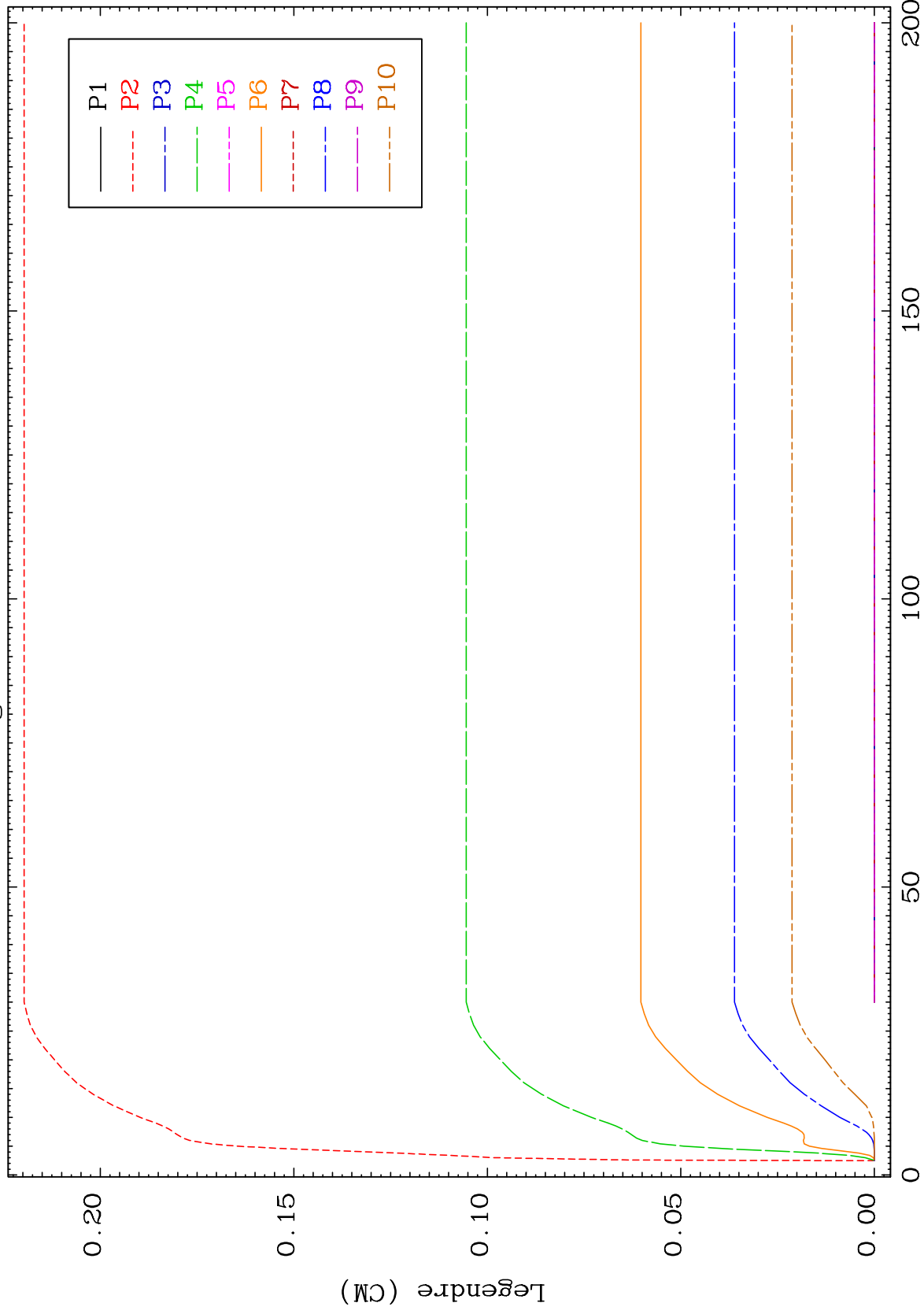
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



54

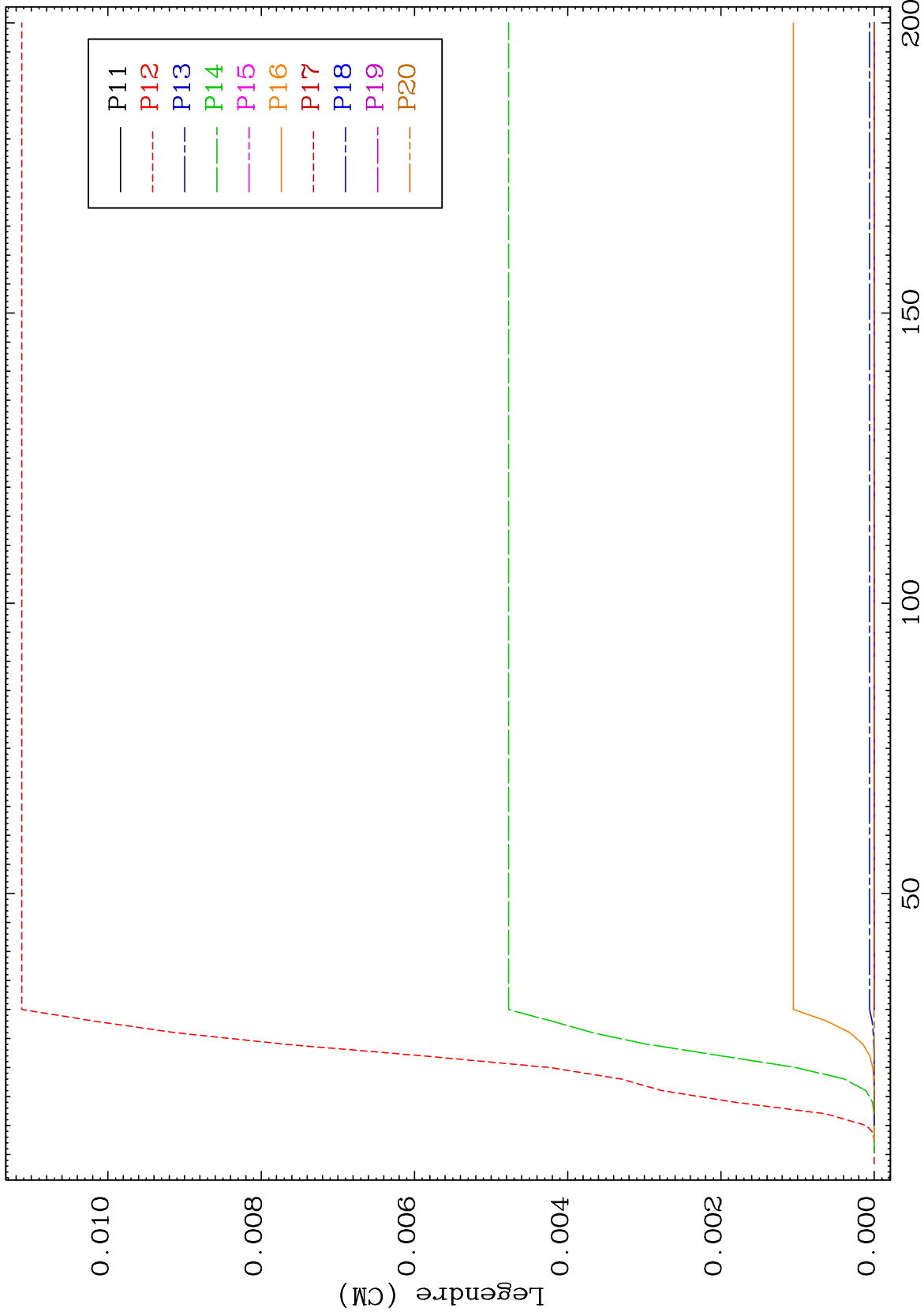
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



55

Incident Energy (MeV)

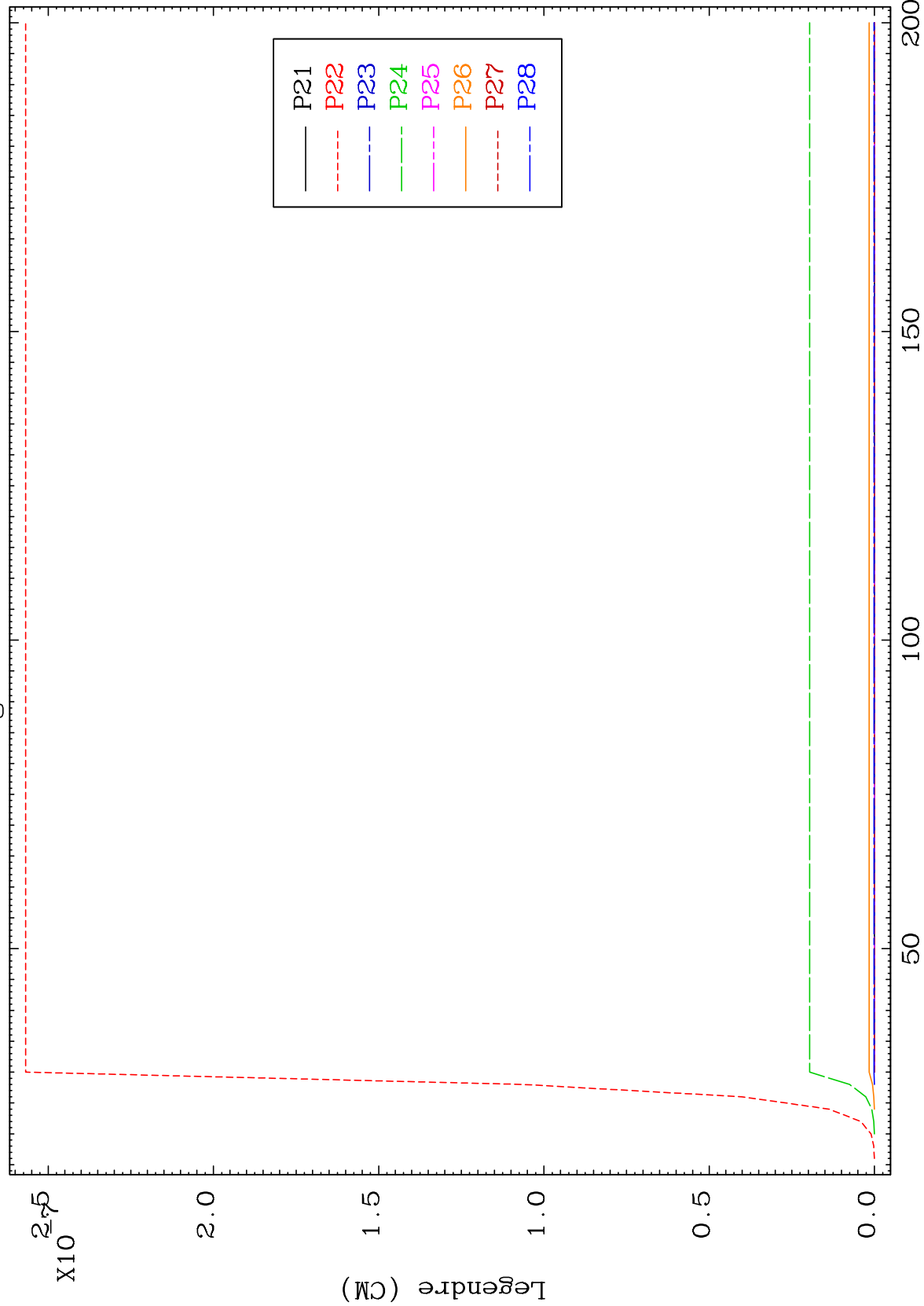
36-Kr-82



MAT 3637

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

36-Kr-82



56

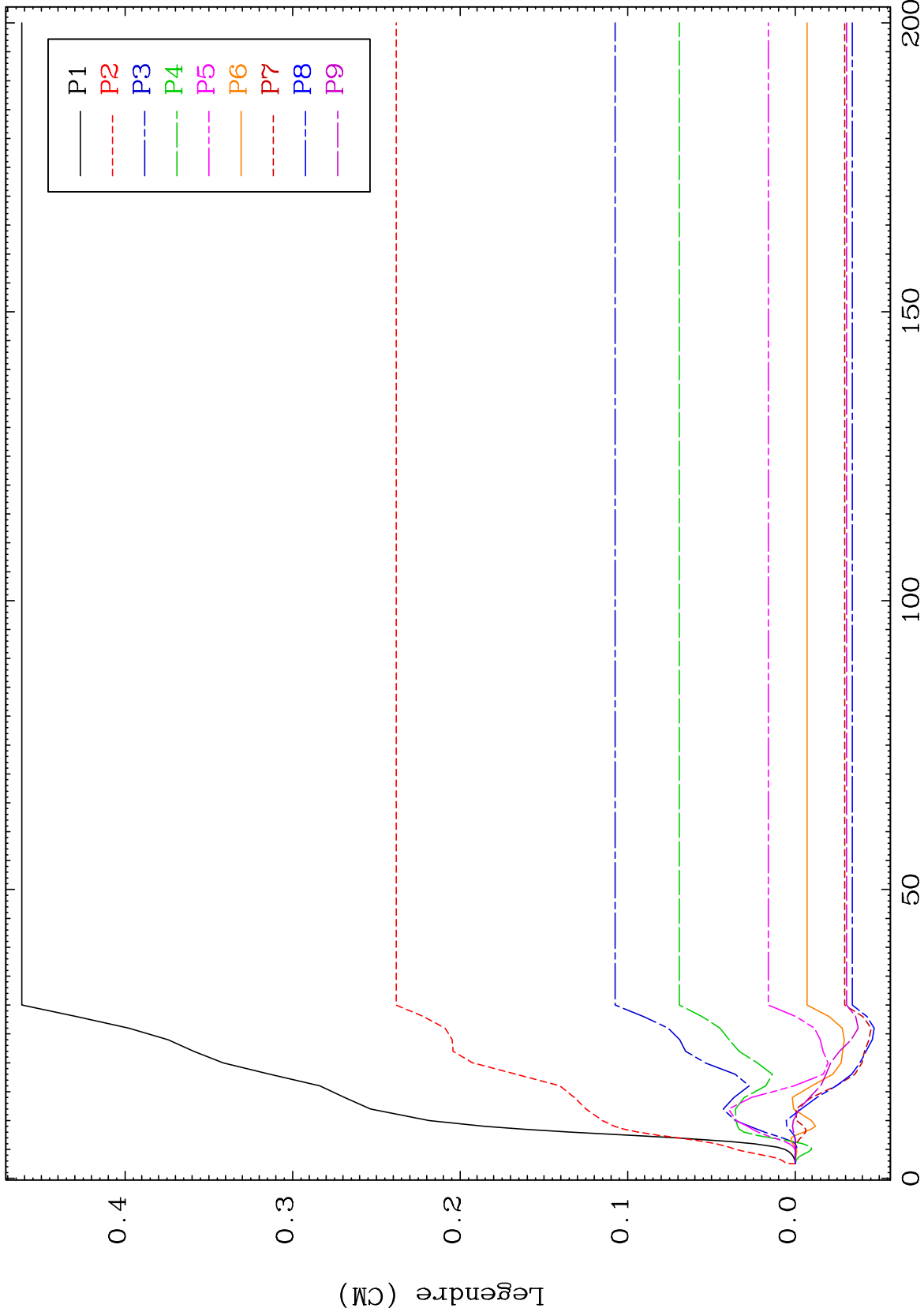
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



57

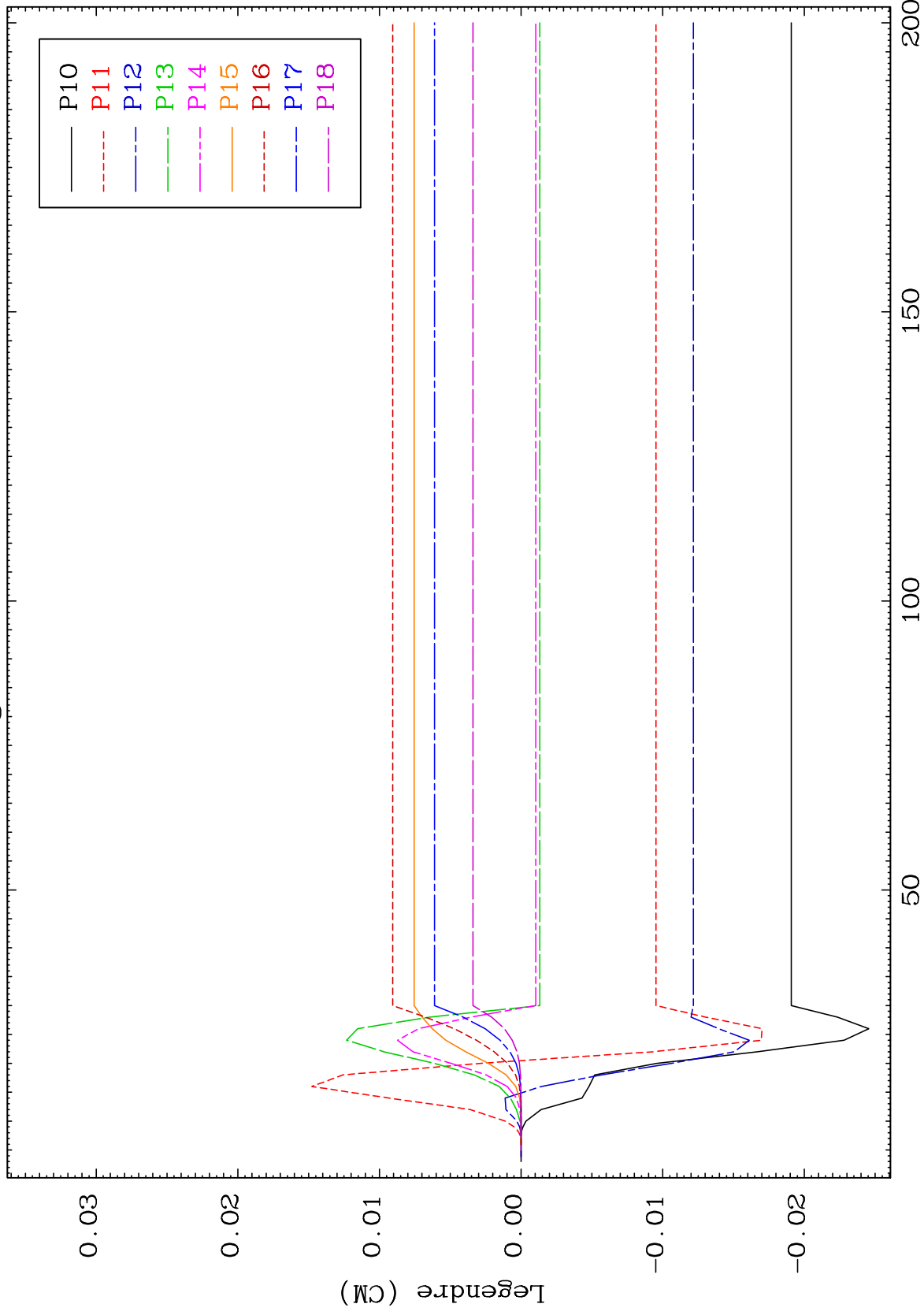
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



58

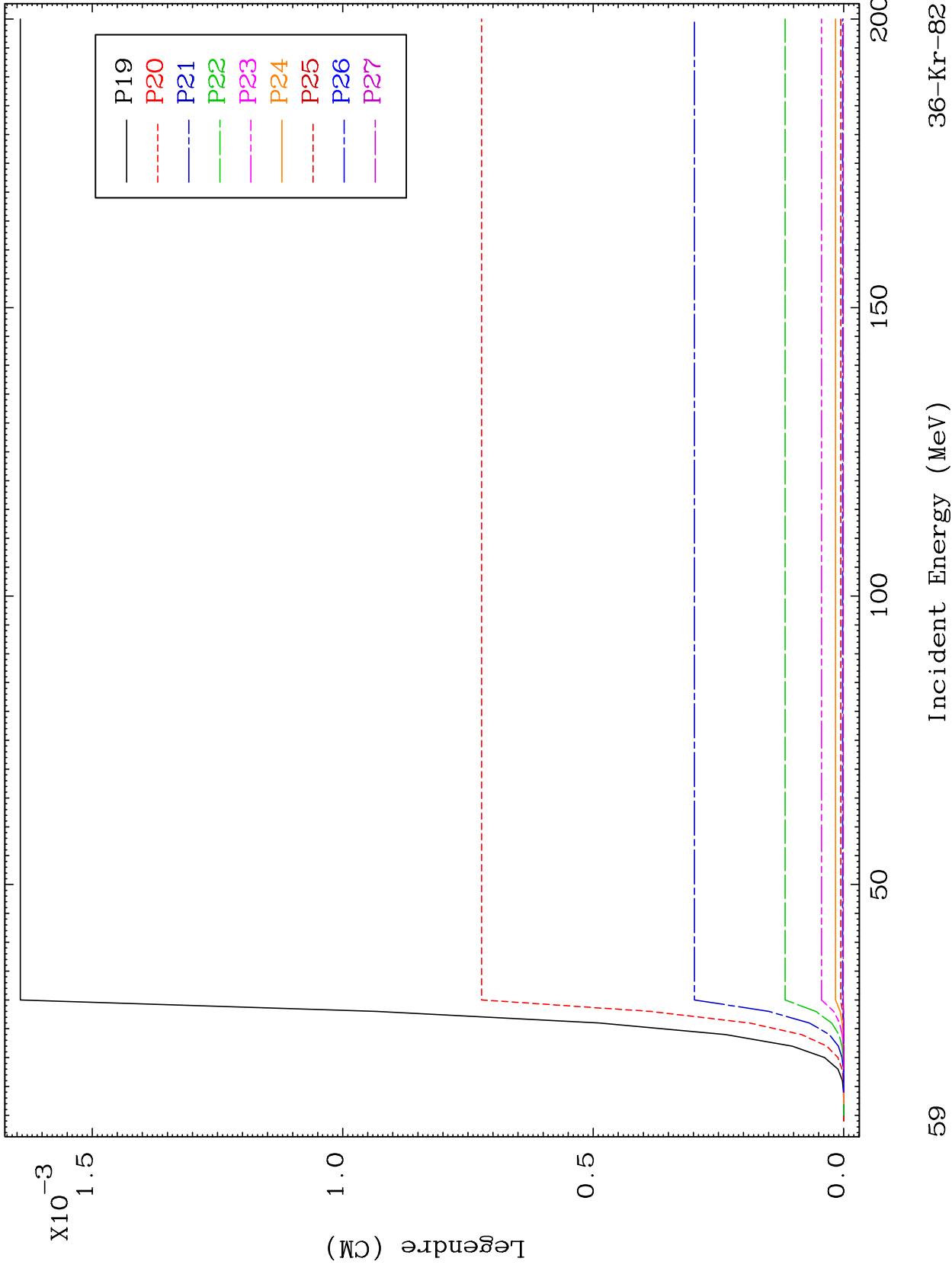
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



59

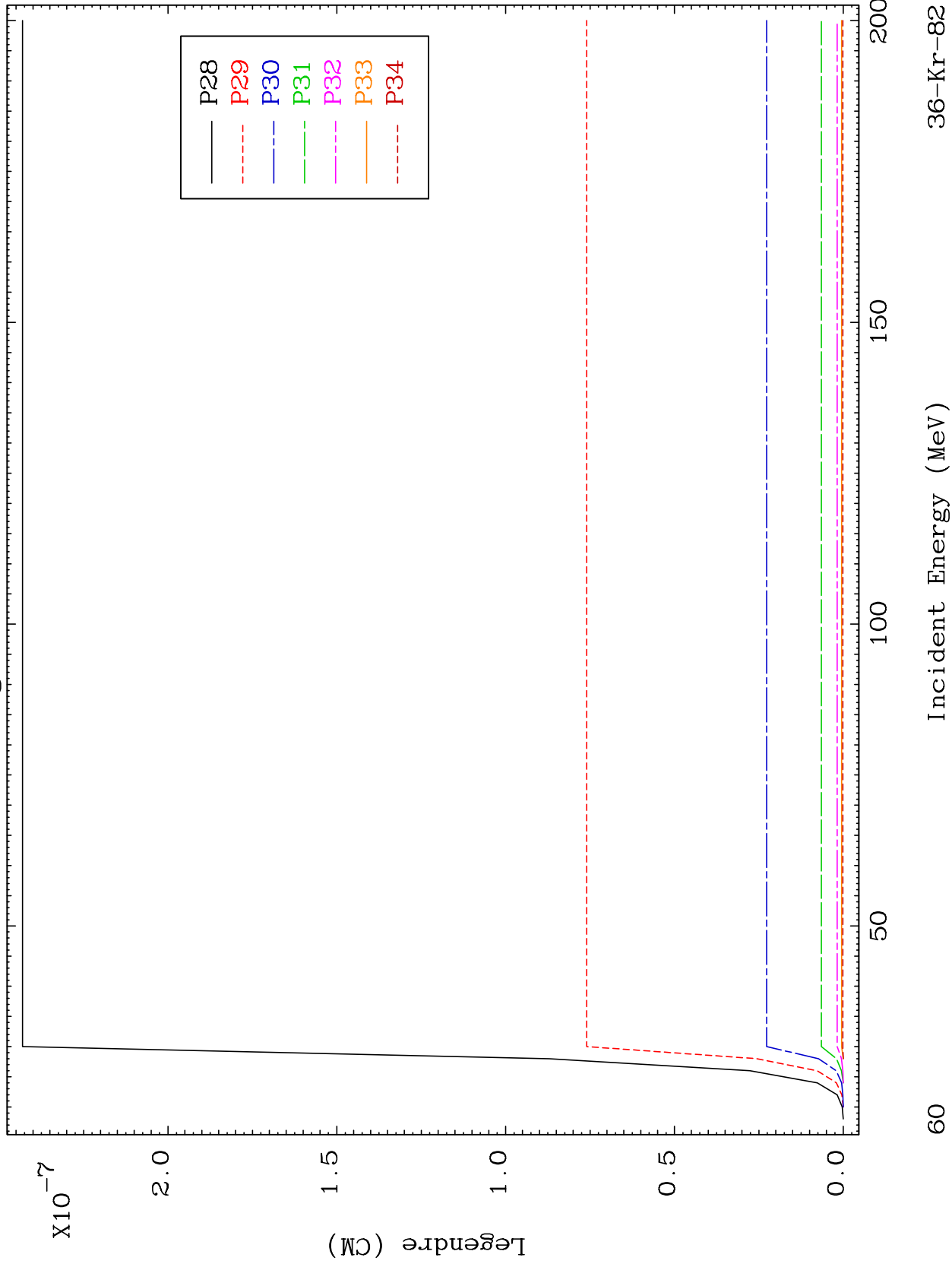
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



36-Kr-82

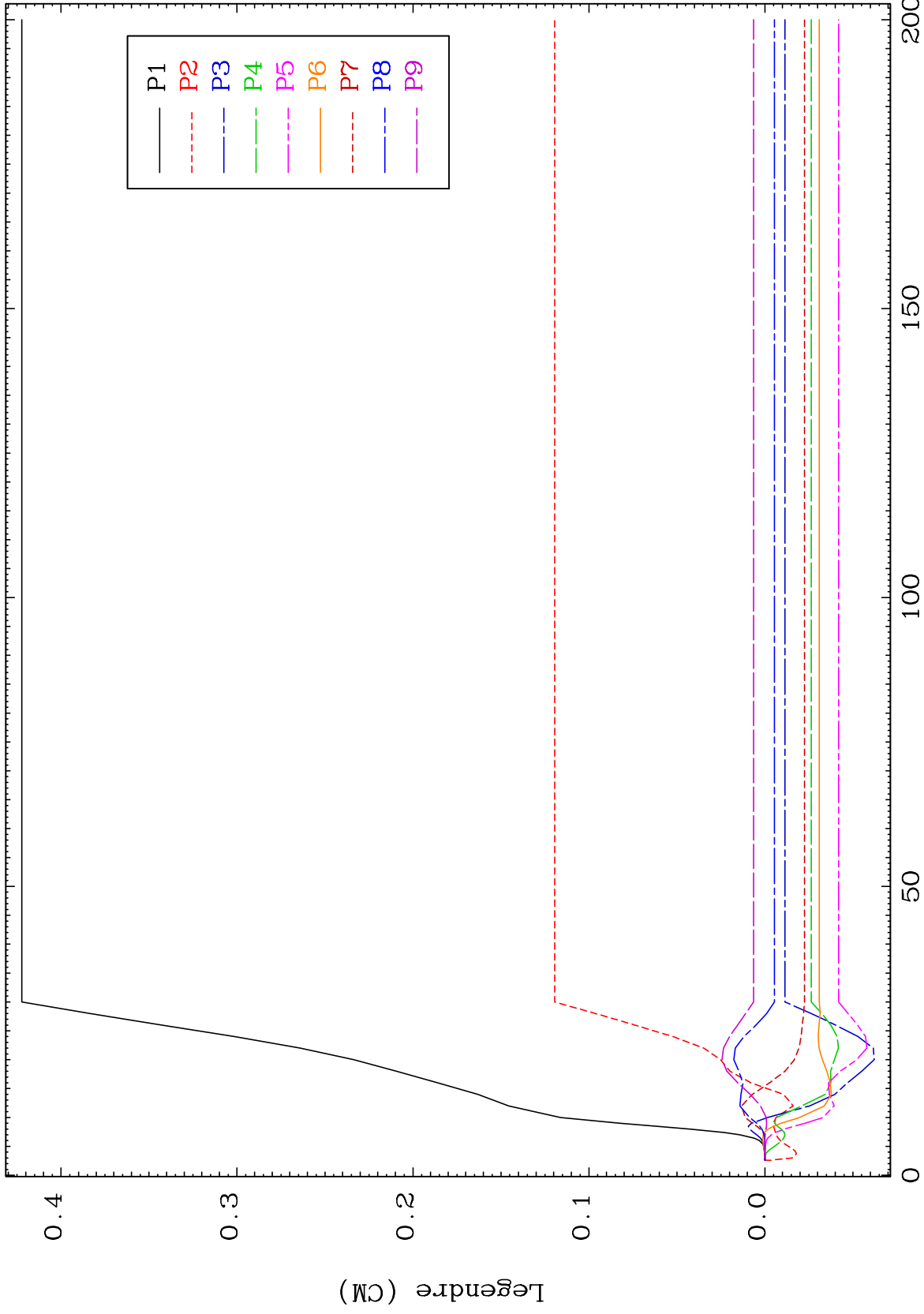
Incident Energy (MeV)

60

MAT 3637

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

36-Kr-82



61

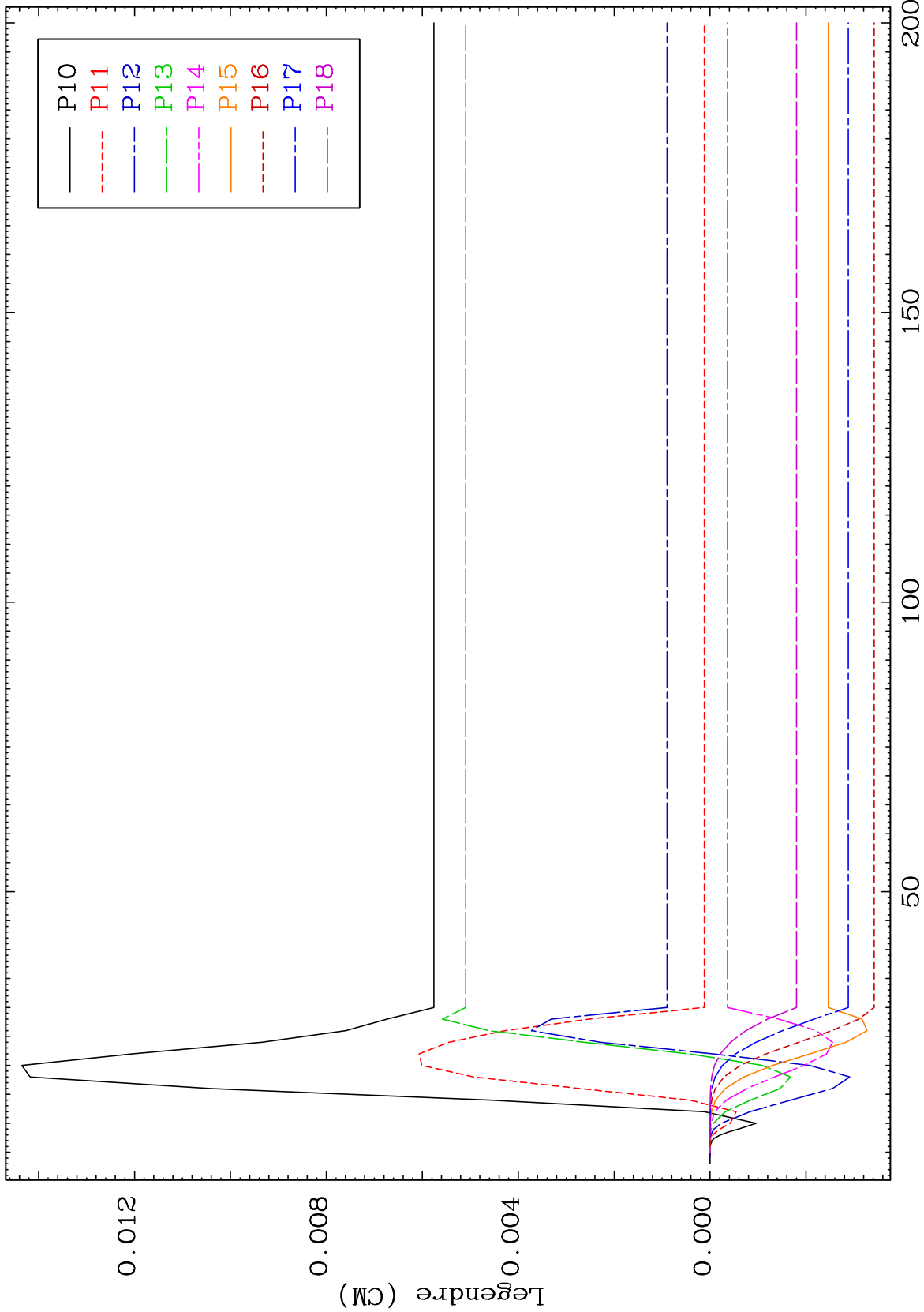
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



62

Incident Energy (MeV)

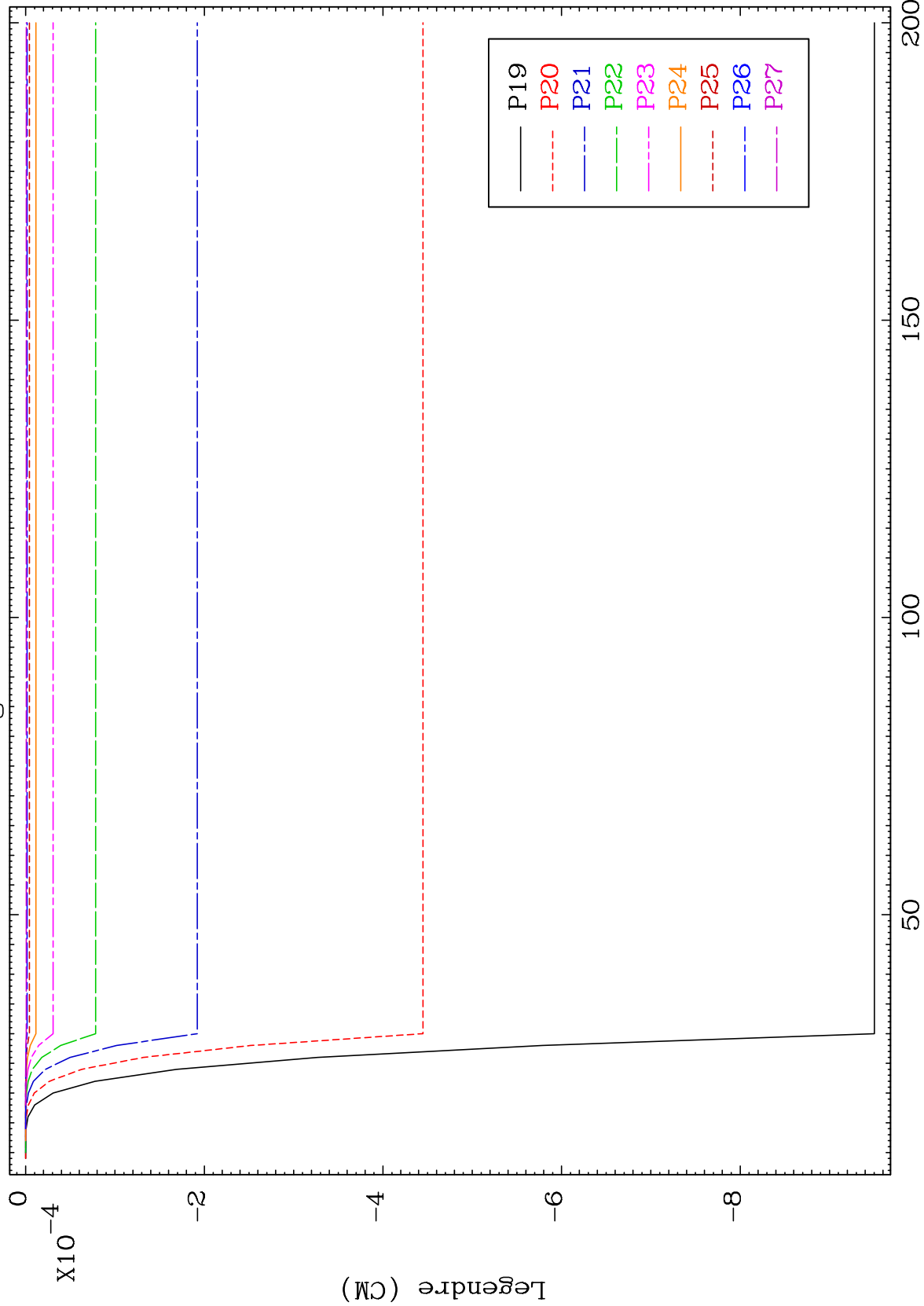
36-Kr-82

MAT 3637

MT= 62 (n,n') Level

36-Kr-82

Legendre Coefficients



63

Incident Energy (MeV)

36-Kr-82

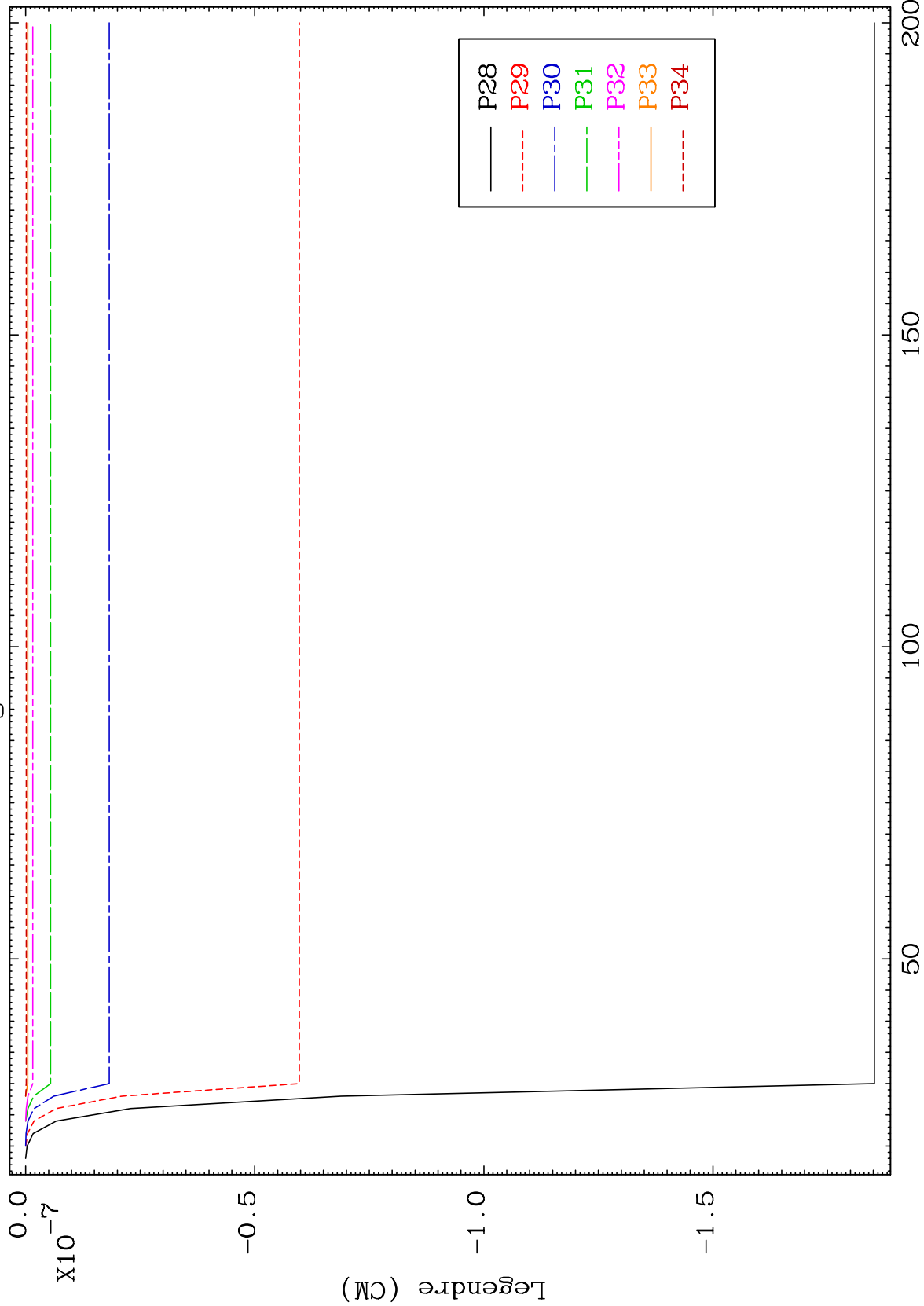


MAT 3637

MT= 62 (n,n') Level

36-Kr-82

Legendre Coefficients



36-Kr-82

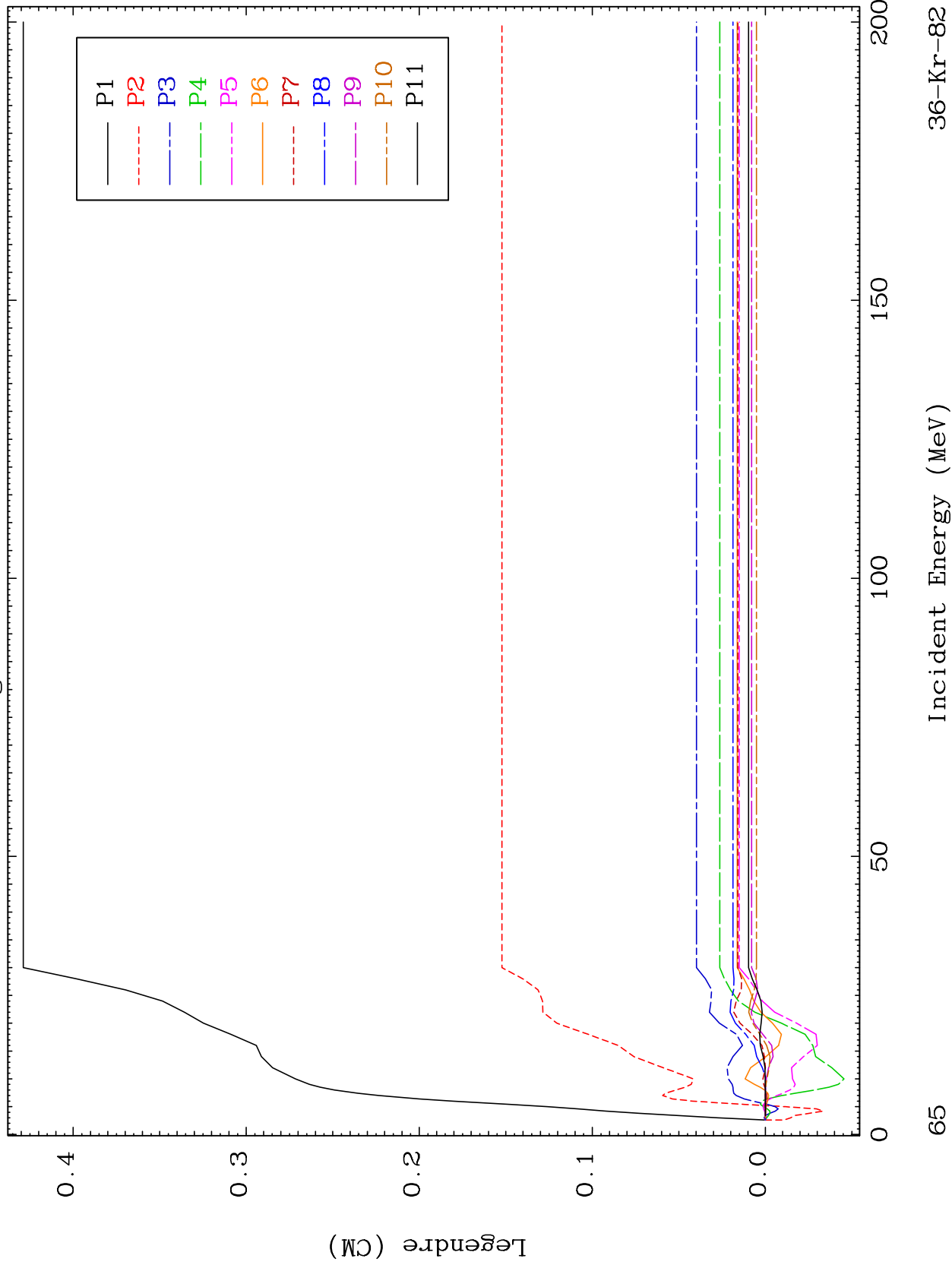
Incident Energy (MeV)

64

MAT 3637

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

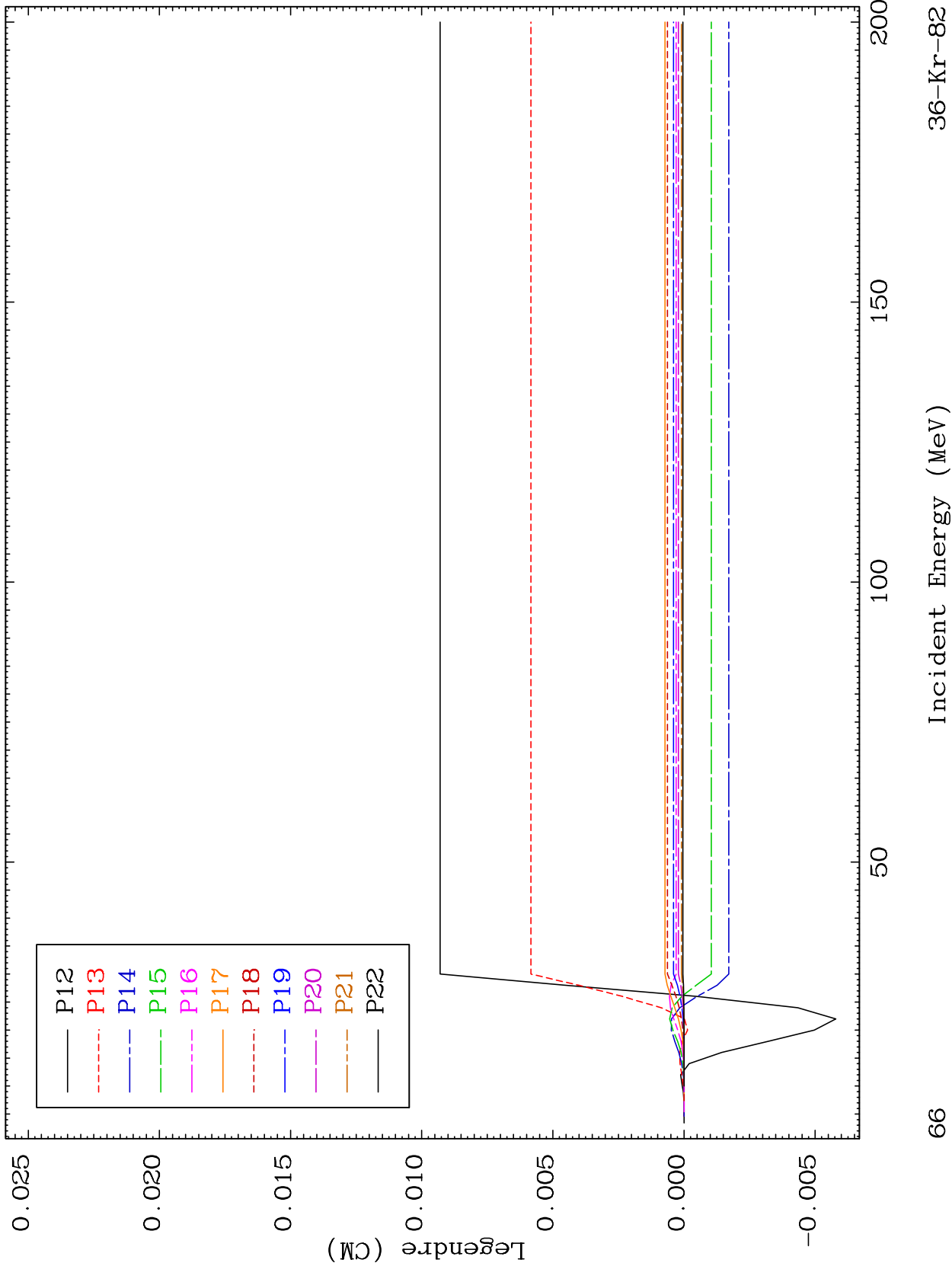
36-Kr-82



36-Kr-82

Incident Energy (MeV)

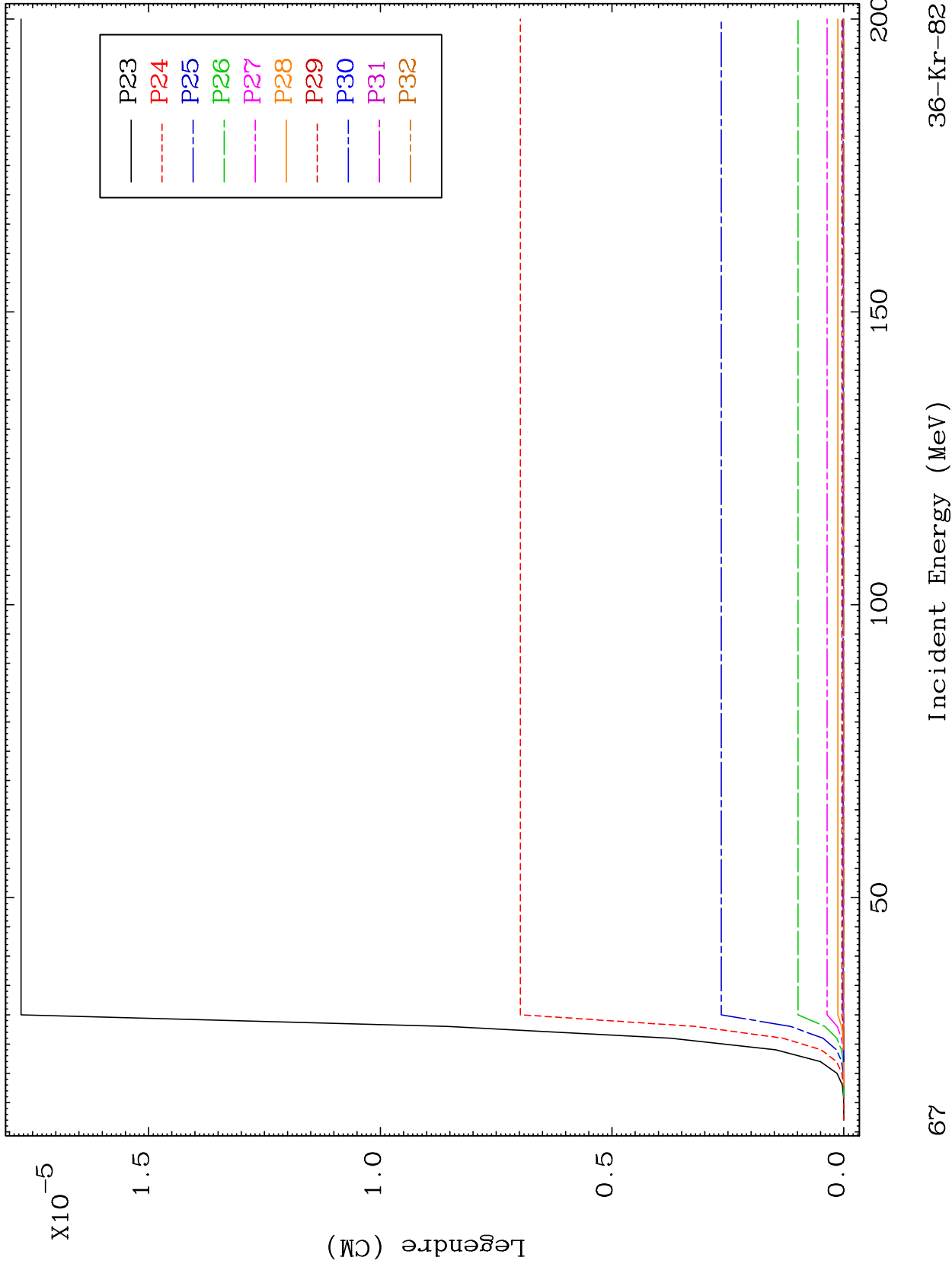
65



MAT 3637

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

36-Kr-82



67

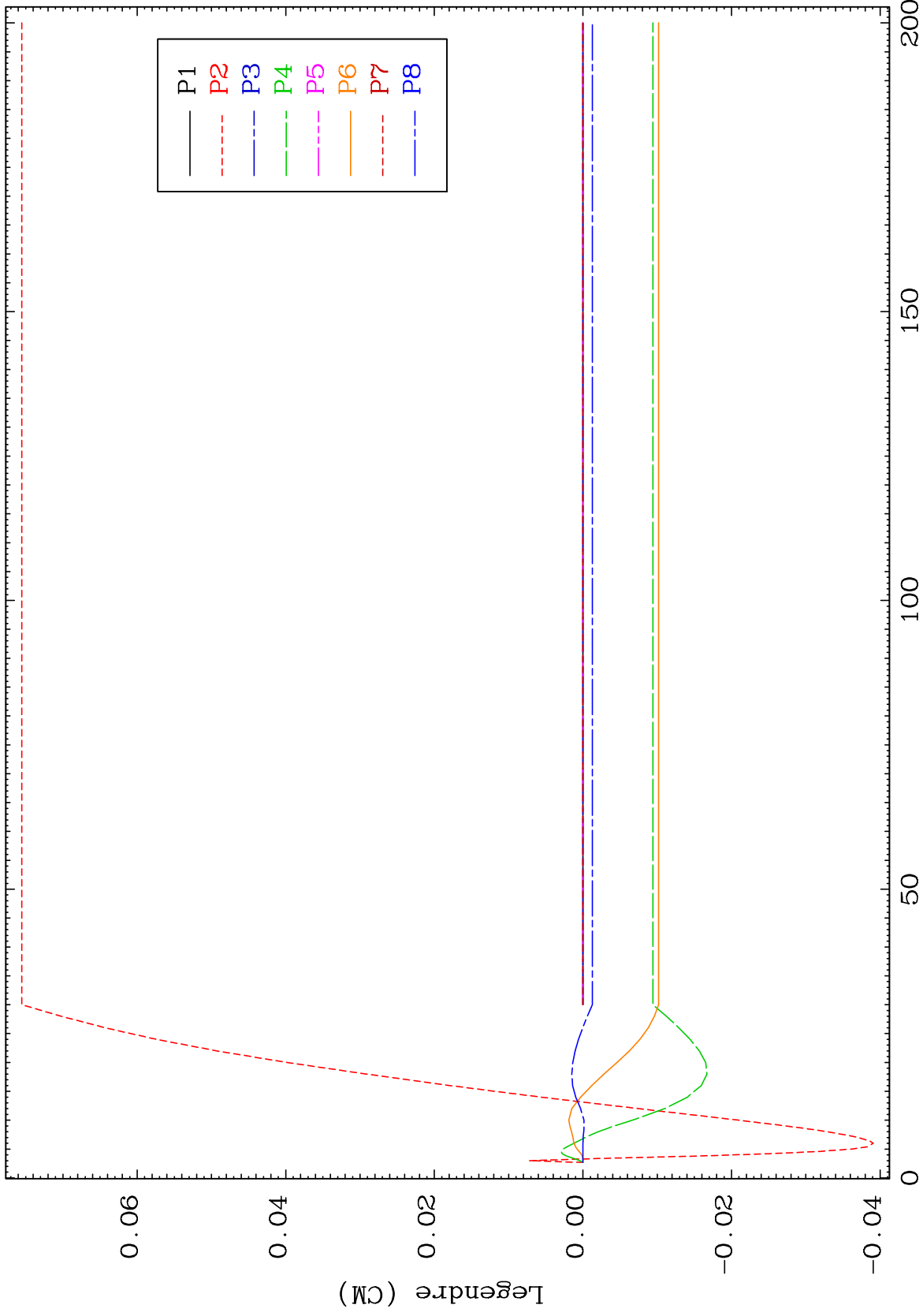
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



68

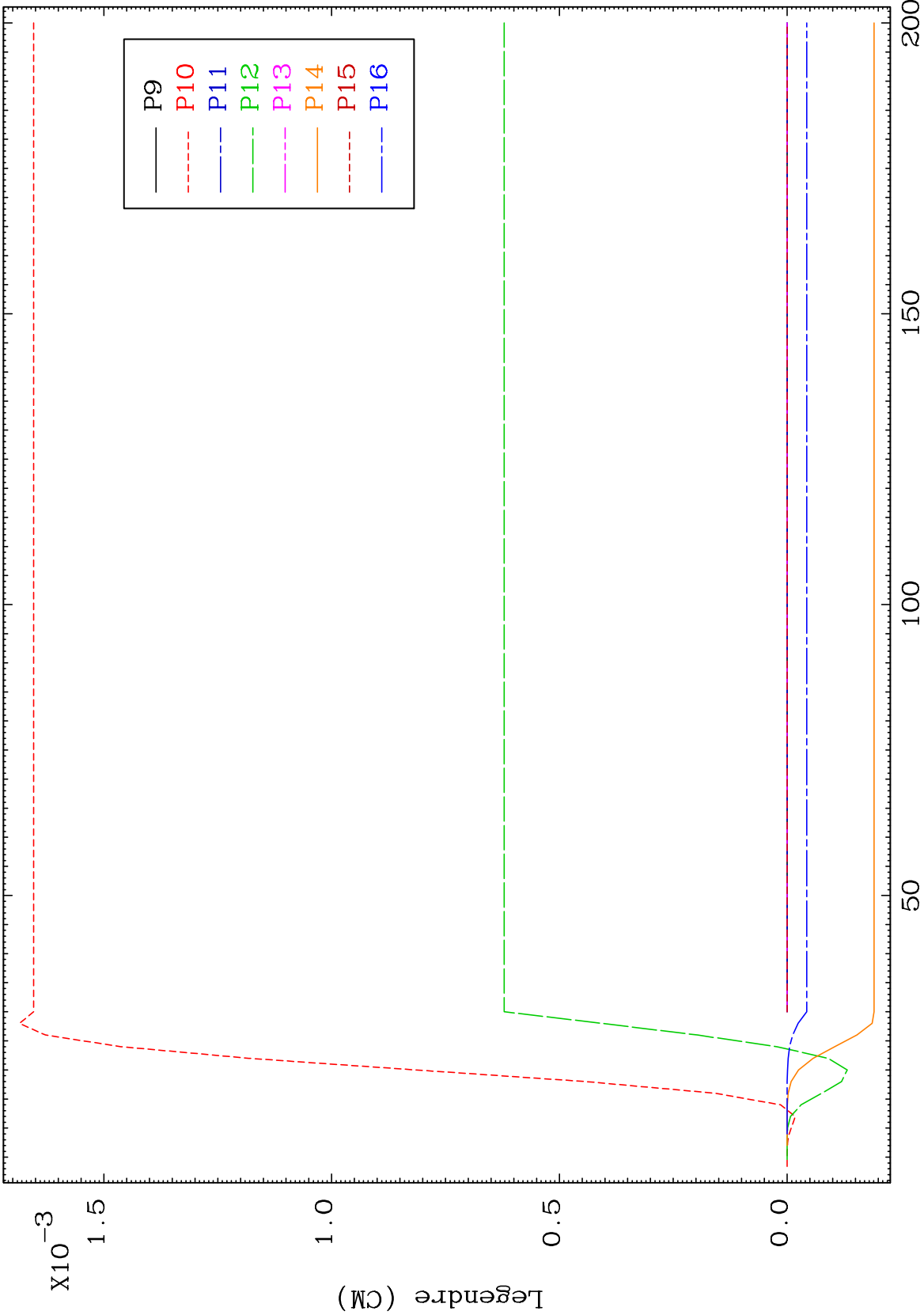
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



69

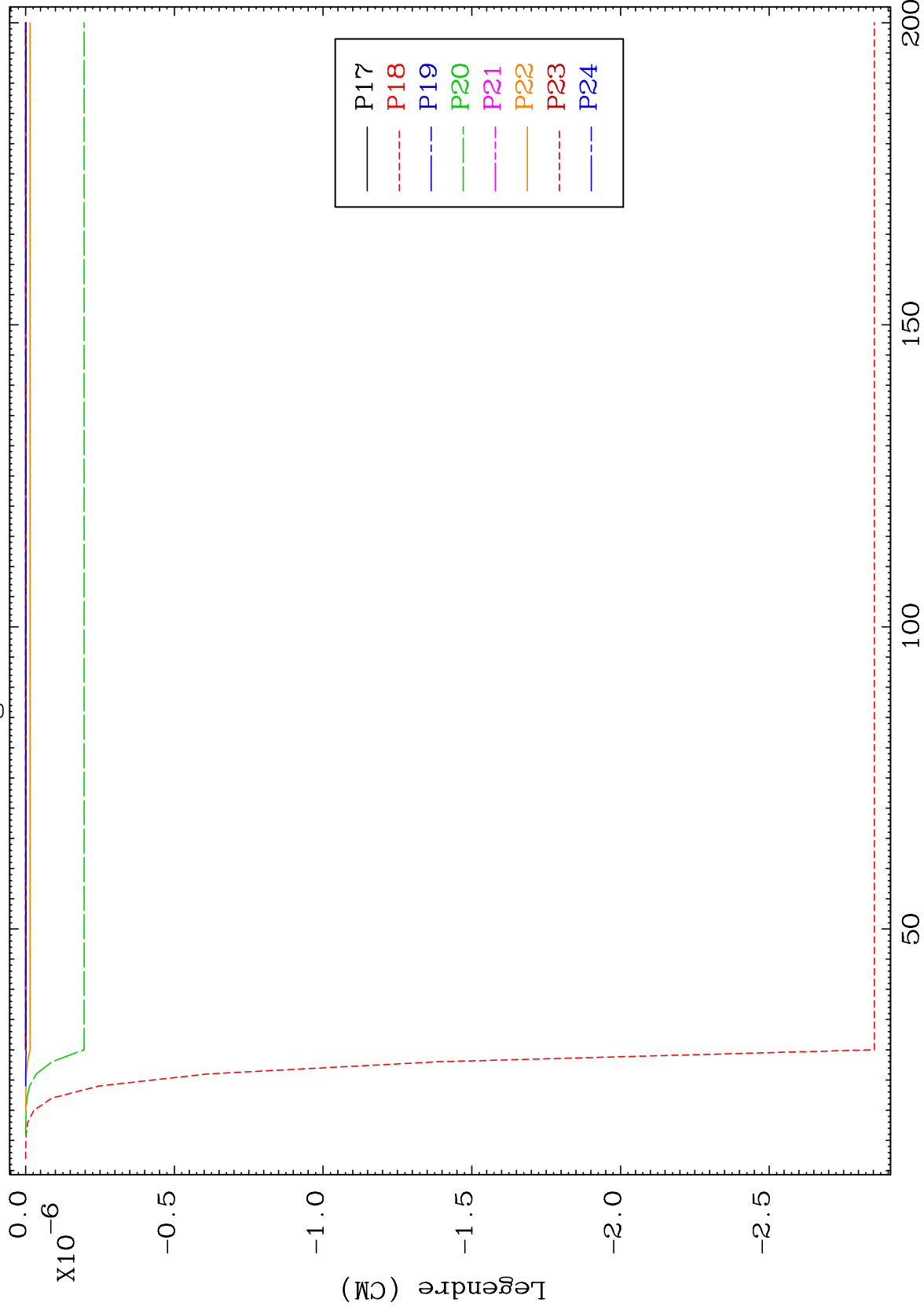
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



36-Kr-82

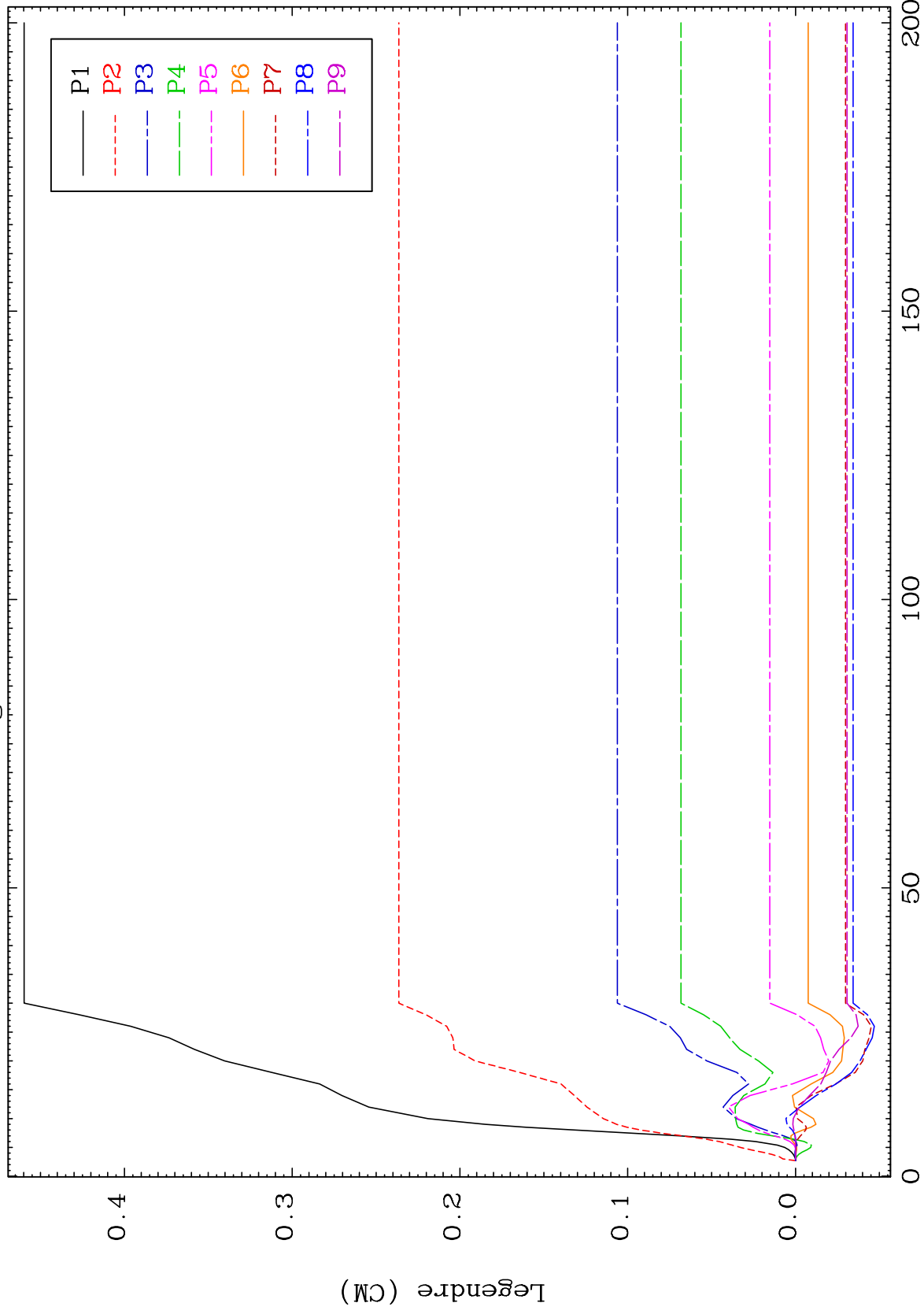
Incident Energy (MeV)

70

MAT 3637

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

36-Kr-82



71

Incident Energy (MeV)

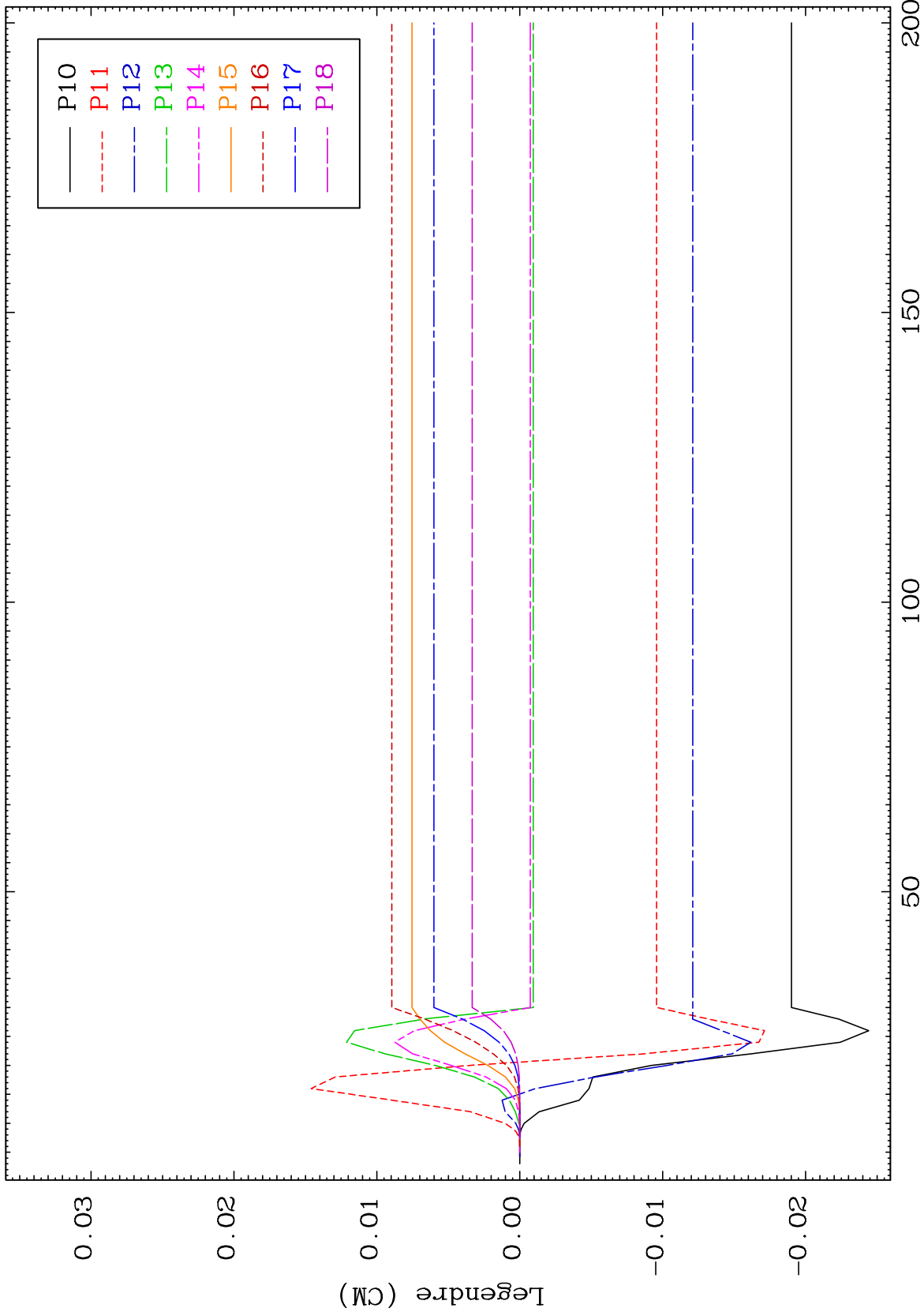
36-Kr-82



MAT 3637

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

36-Kr-82



72

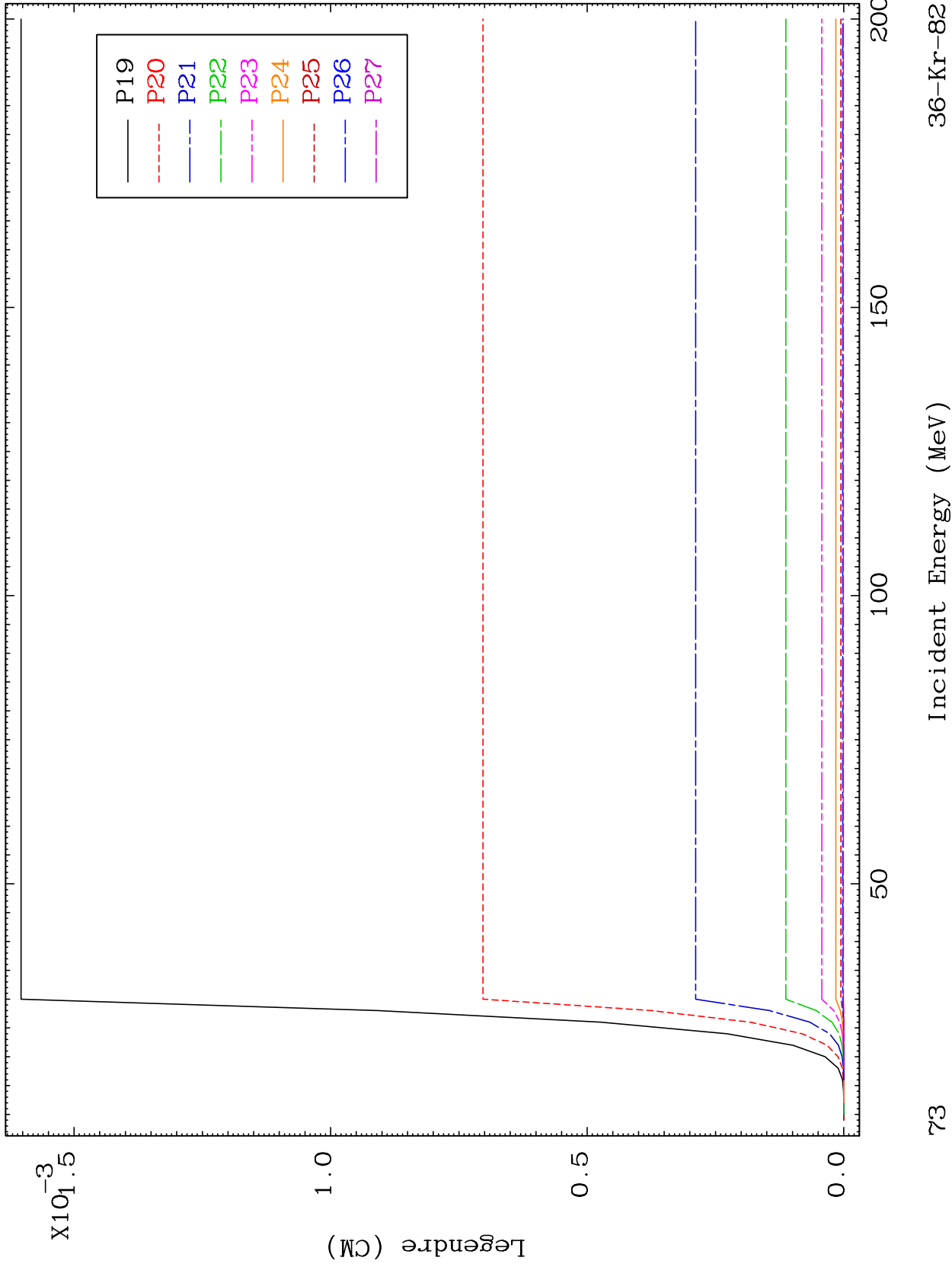
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

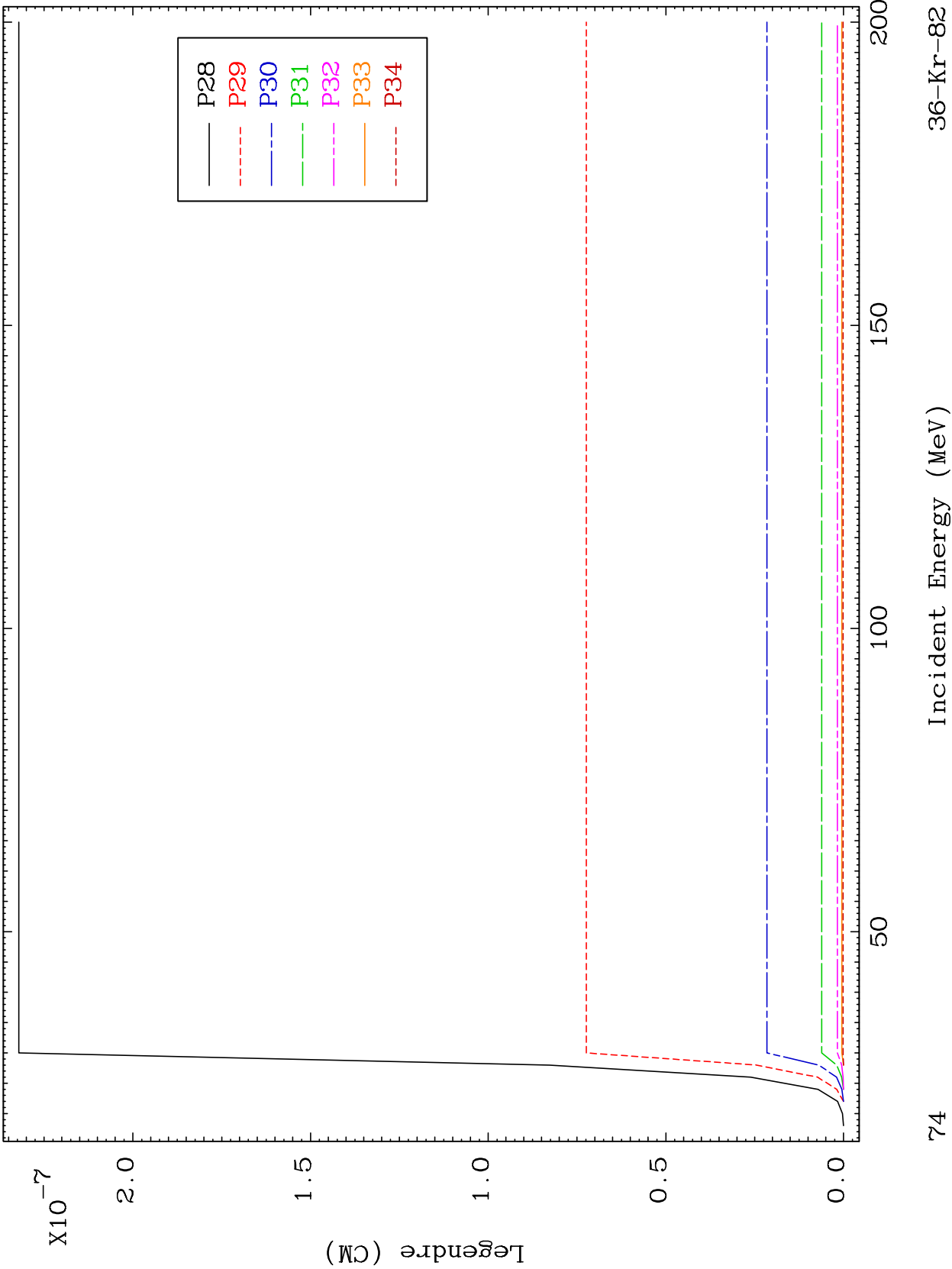
36-Kr-82



MAT 3637

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

36-Kr-82



74

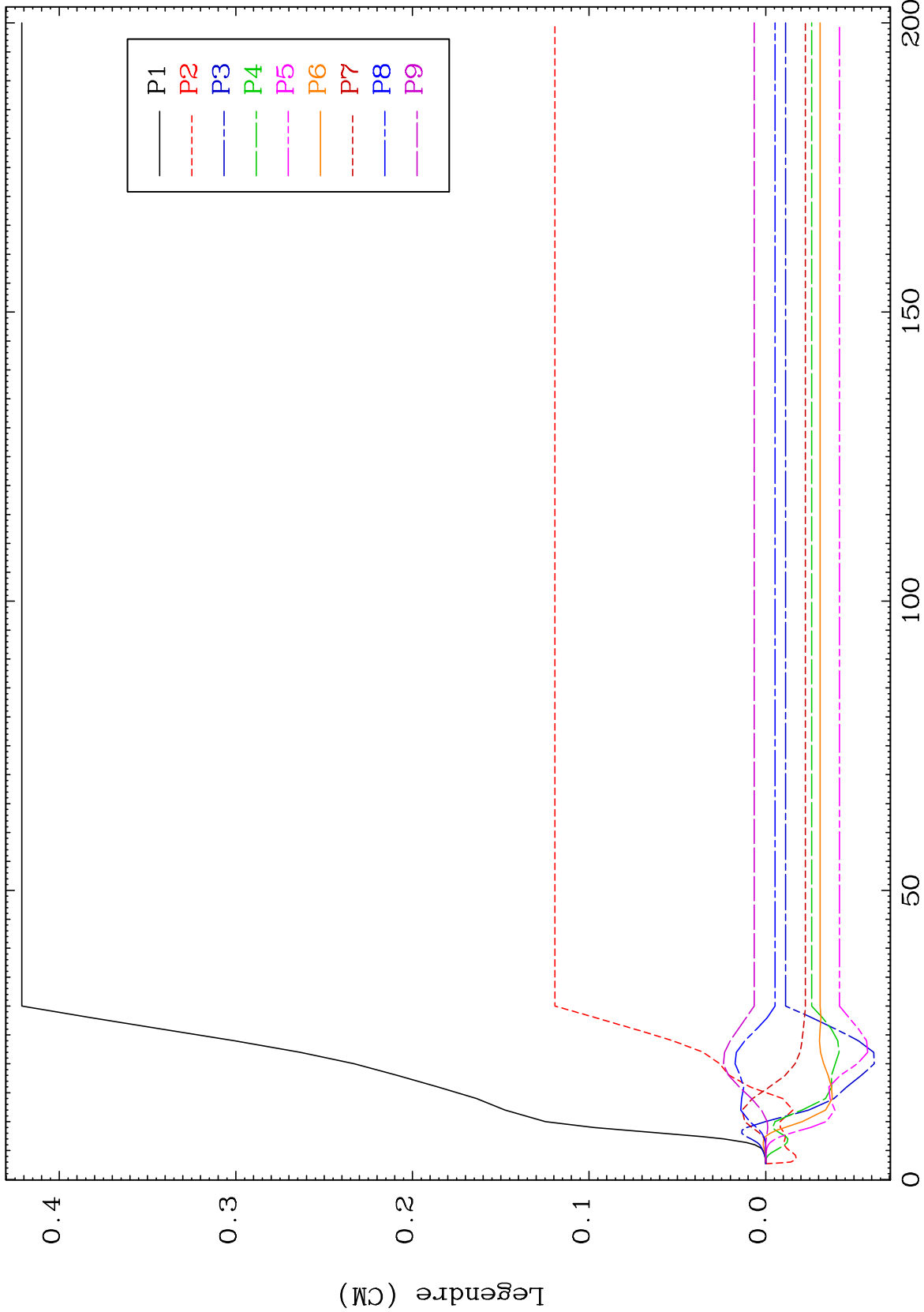
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



75

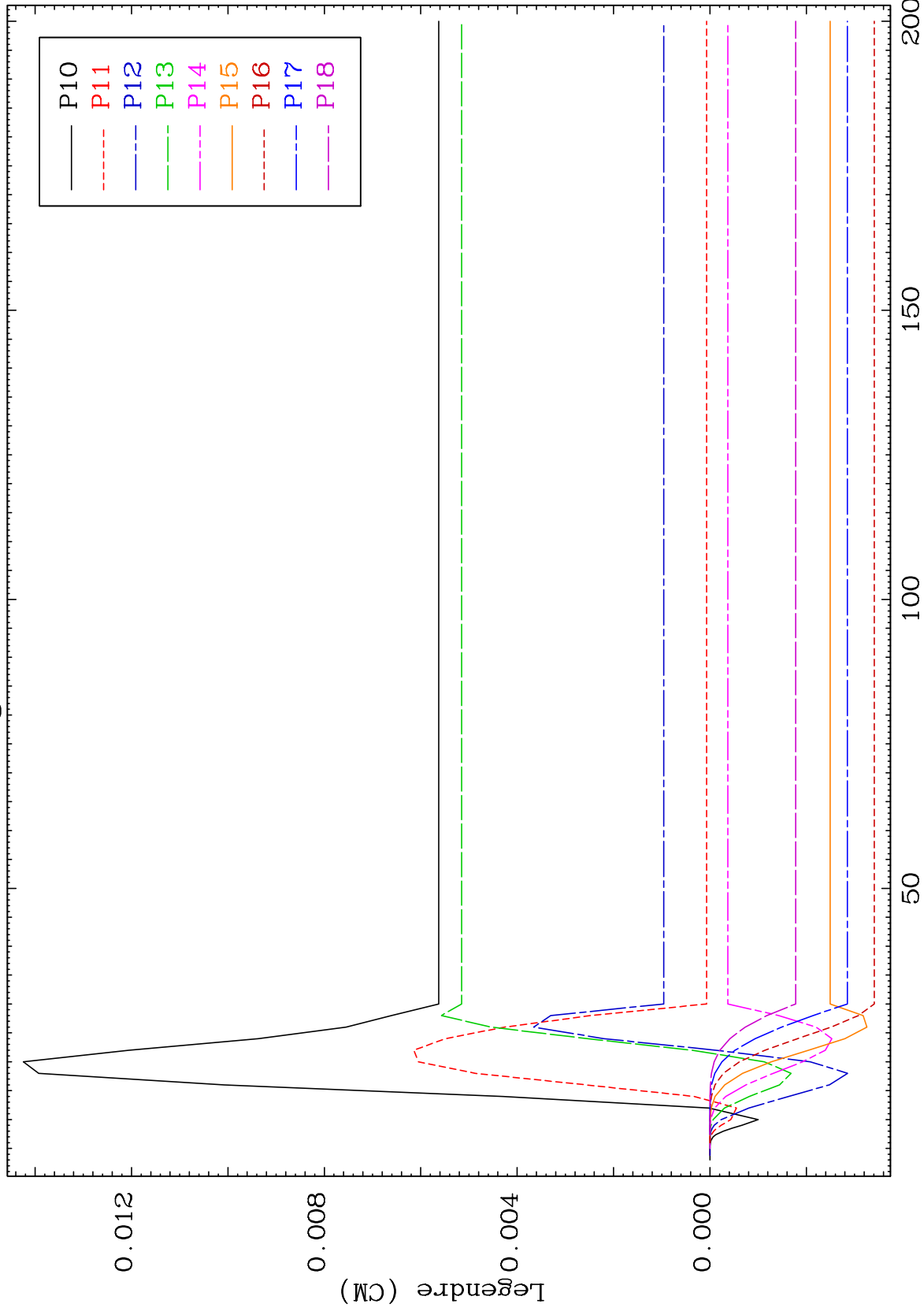
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



76

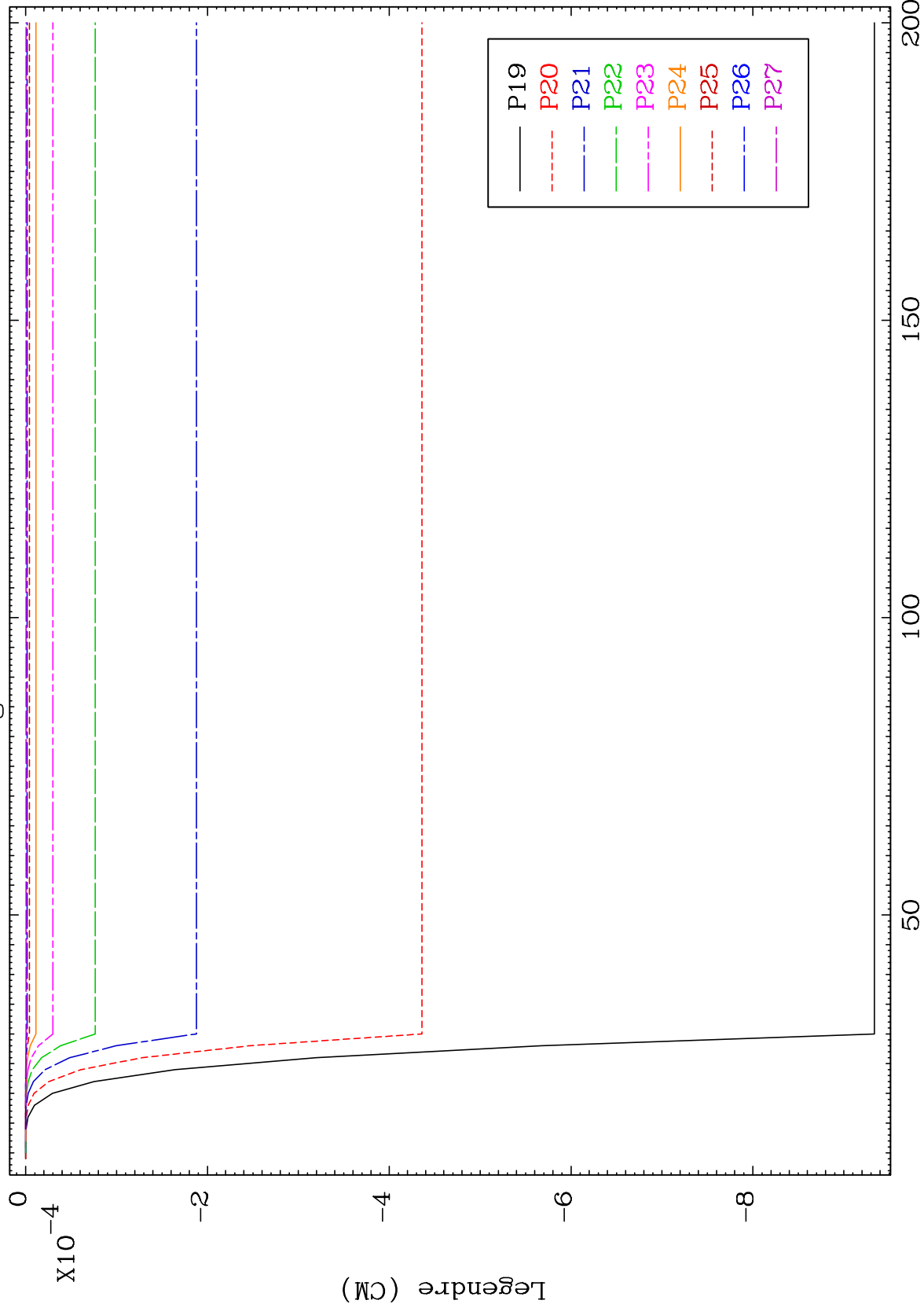
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



77

Incident Energy (MeV)

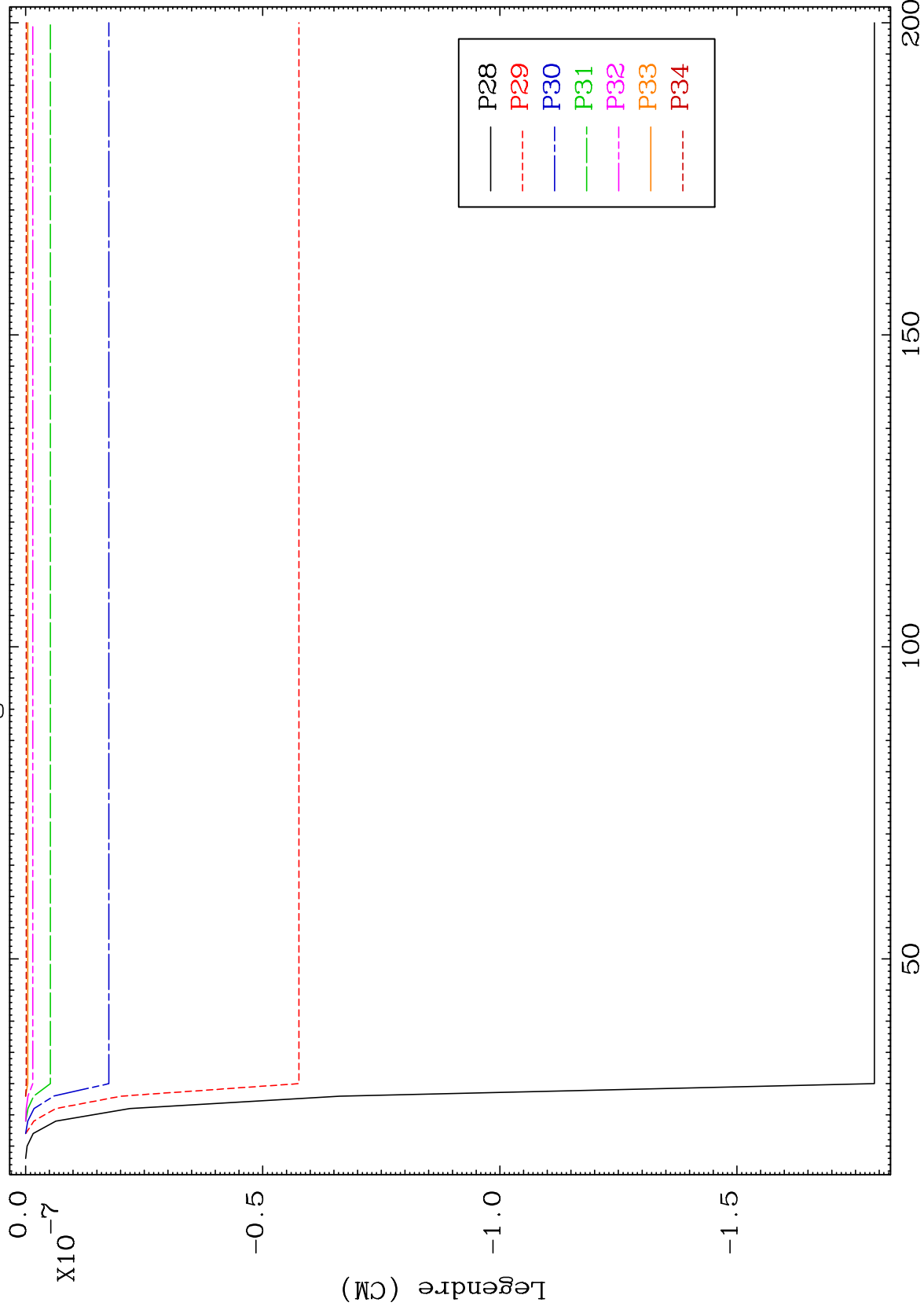
36-Kr-82

MAT 3637

MT= 66 (n,n') Level

36-Kr-82

Legendre Coefficients



78

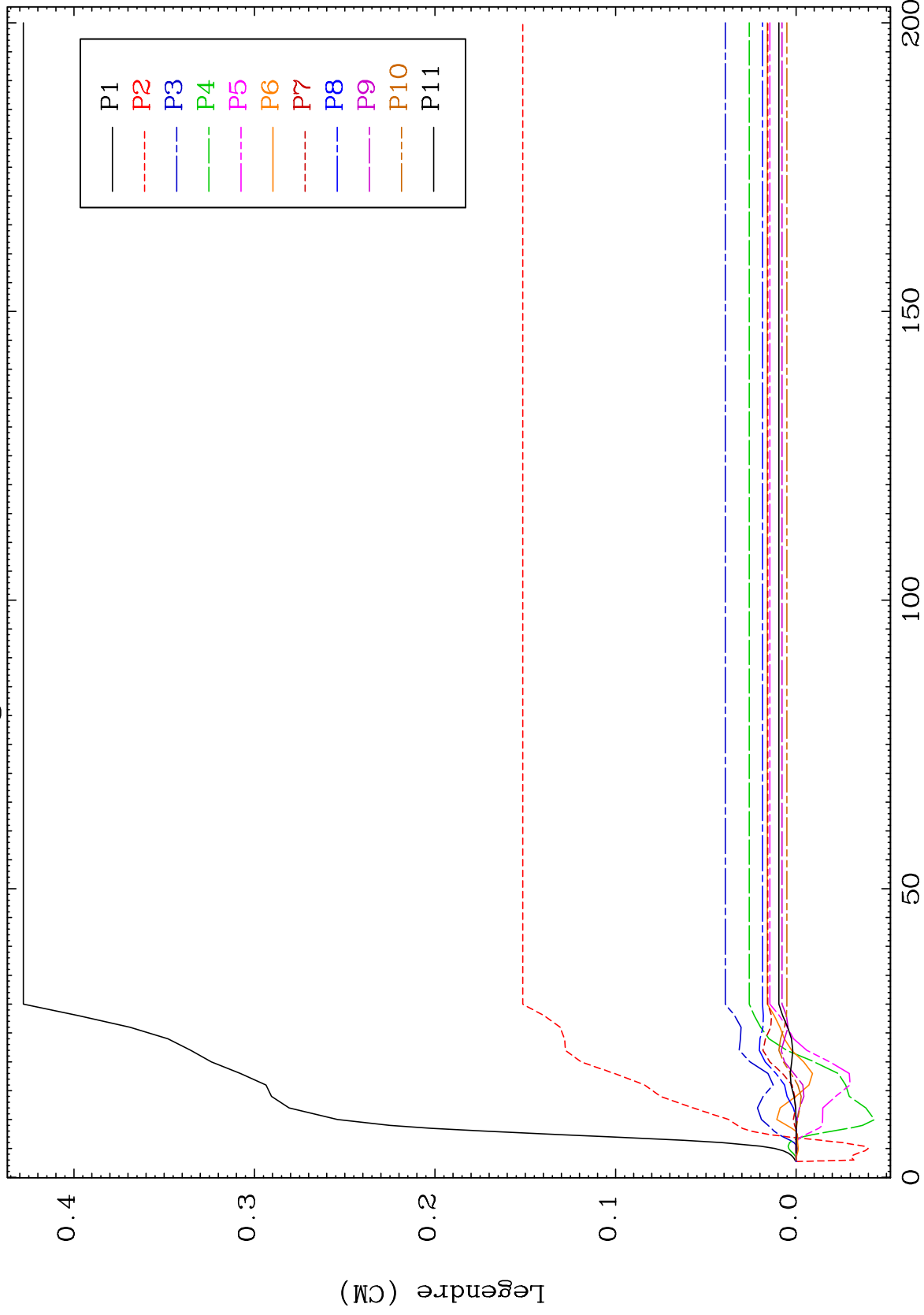
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



79

Incident Energy (MeV)

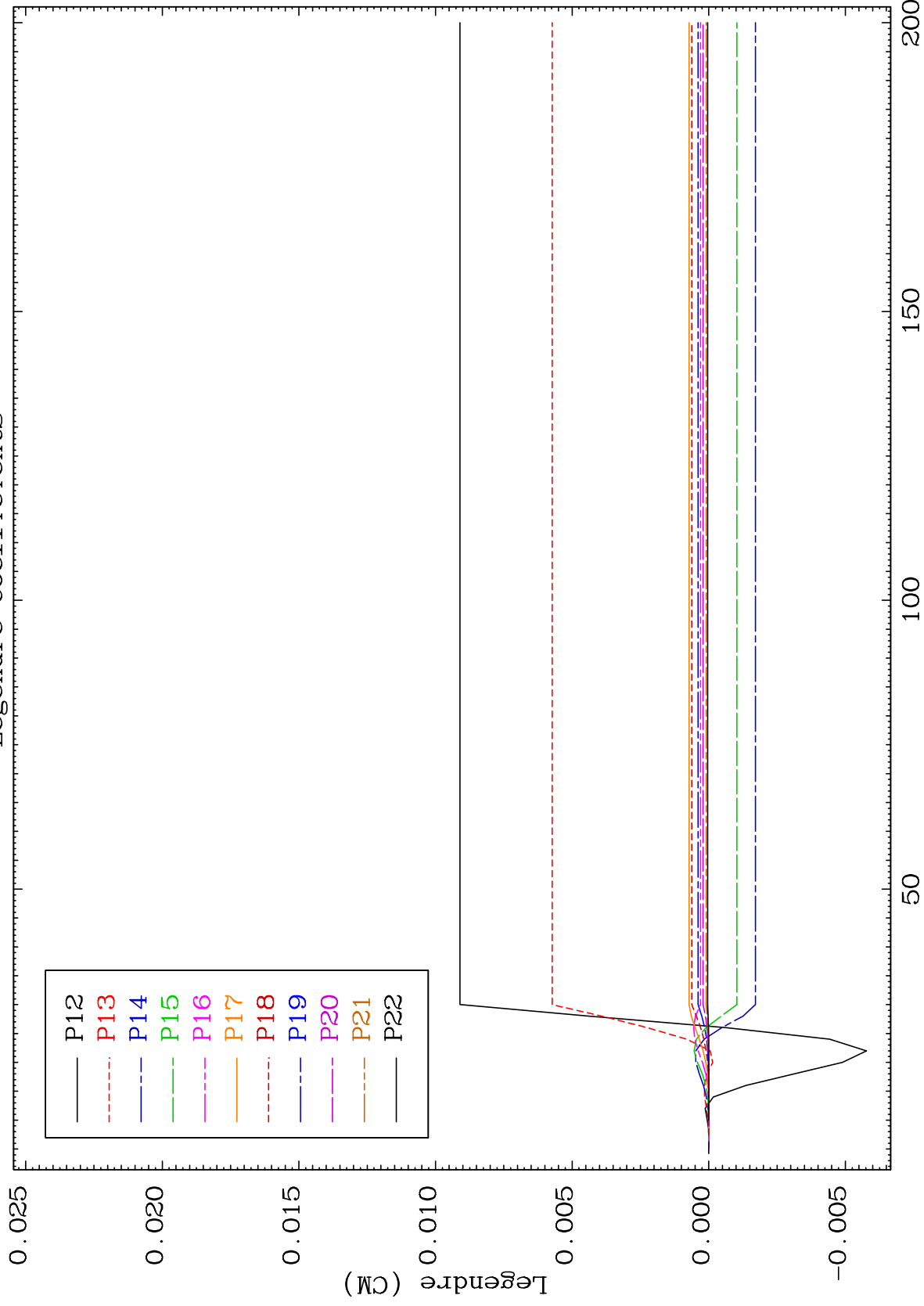
36-Kr-82



MAT 3637

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

36-Kr-82



80

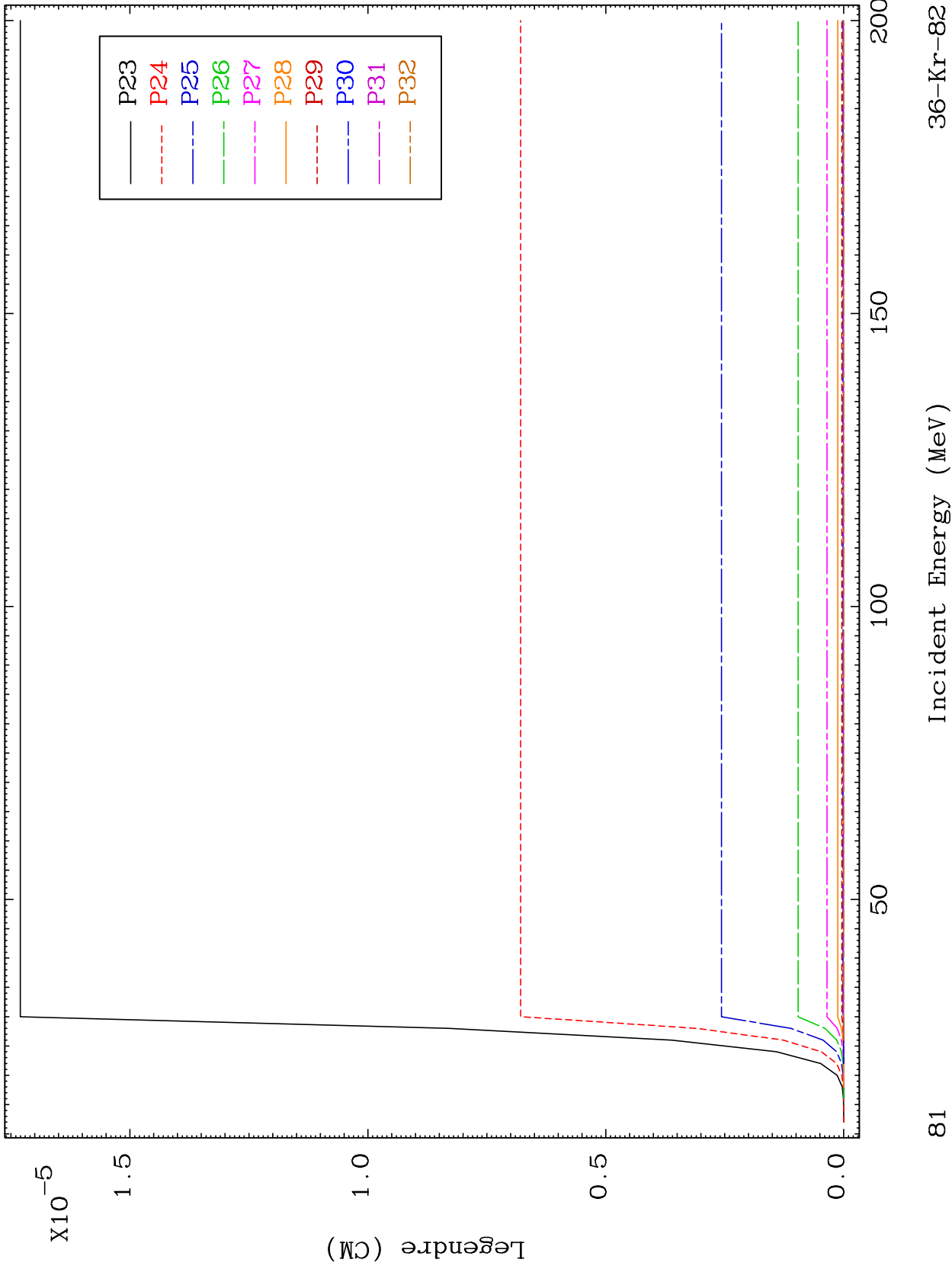
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

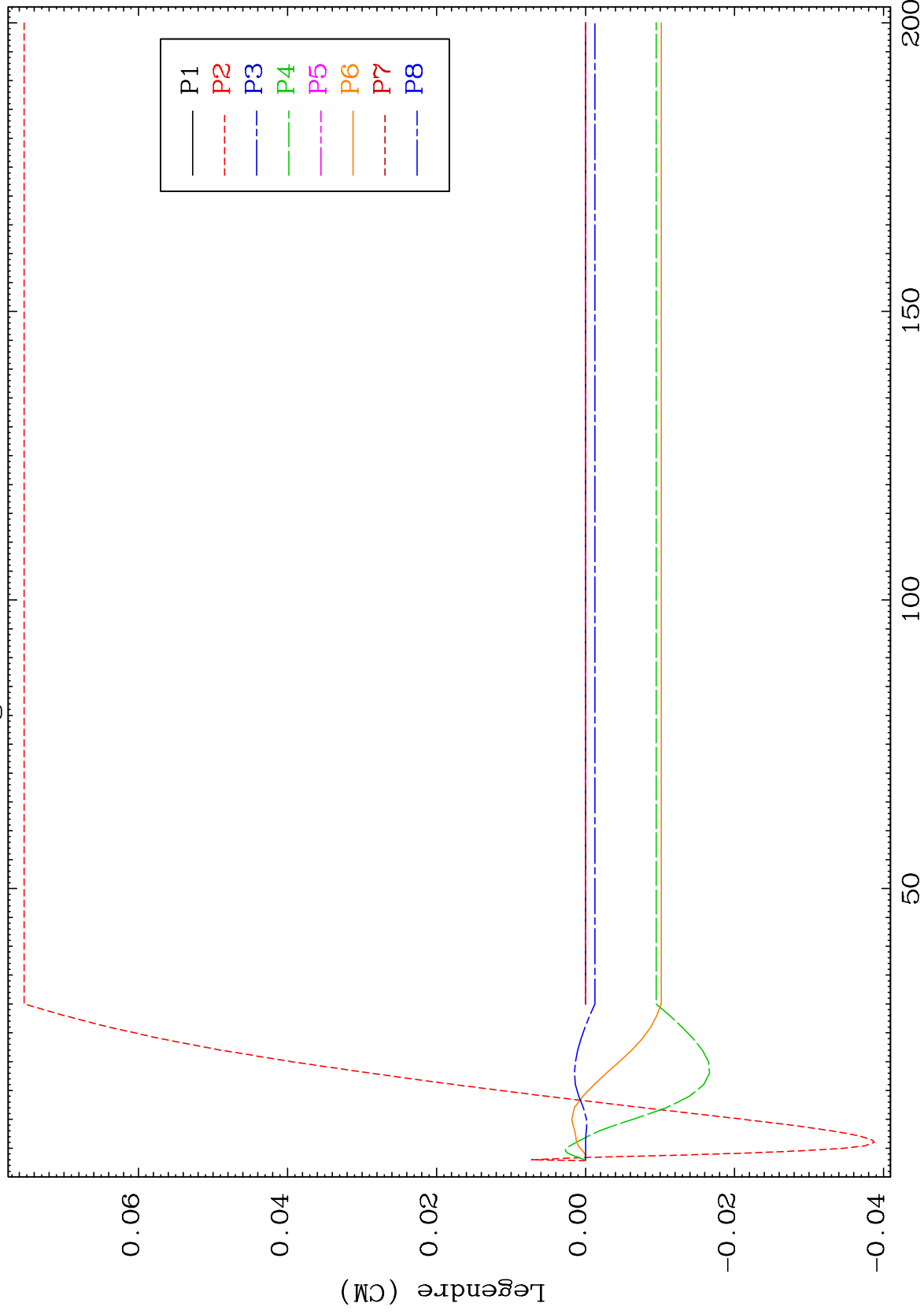
36-Kr-82



MAT 3637

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

36-Kr-82



82

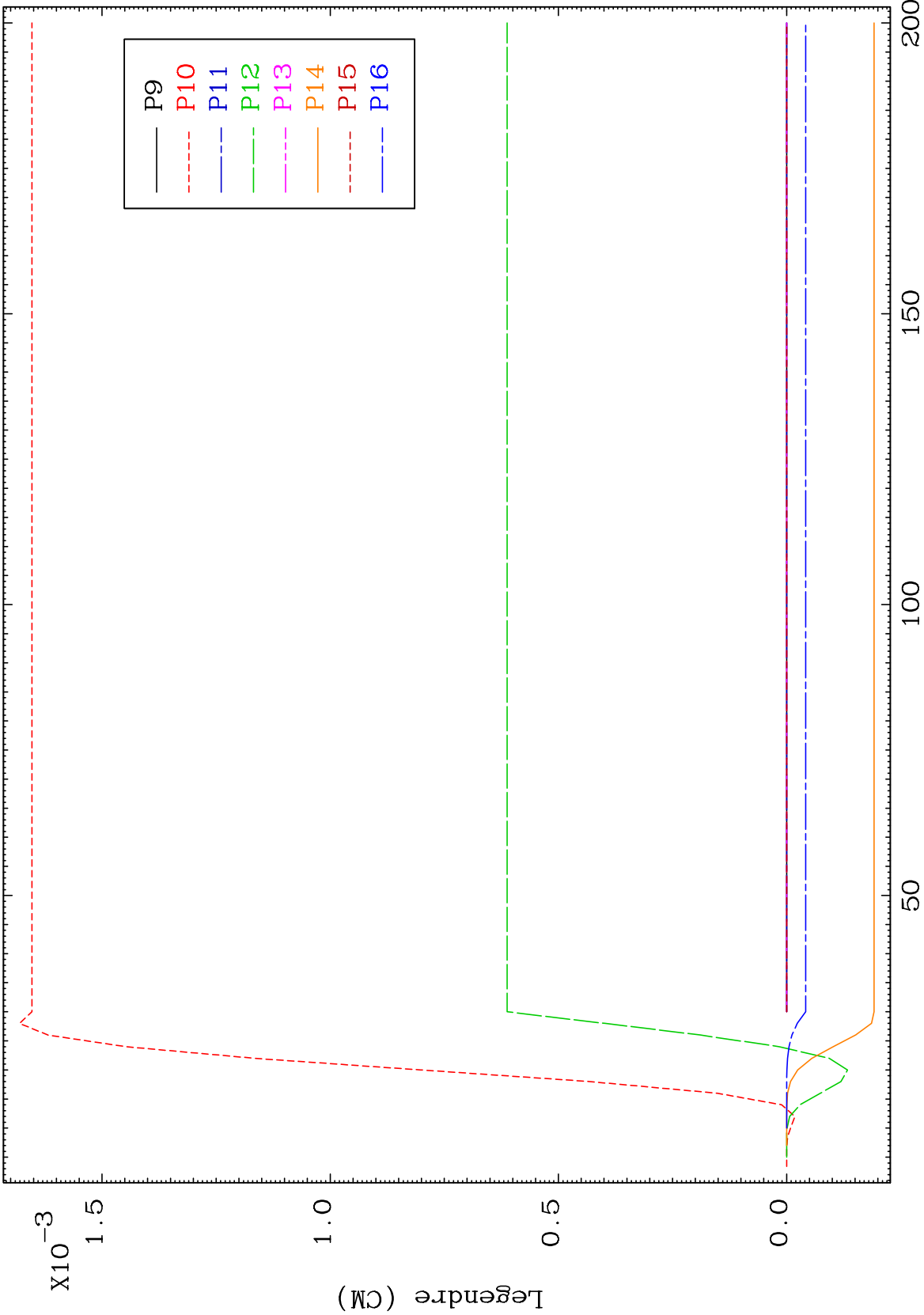
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



83

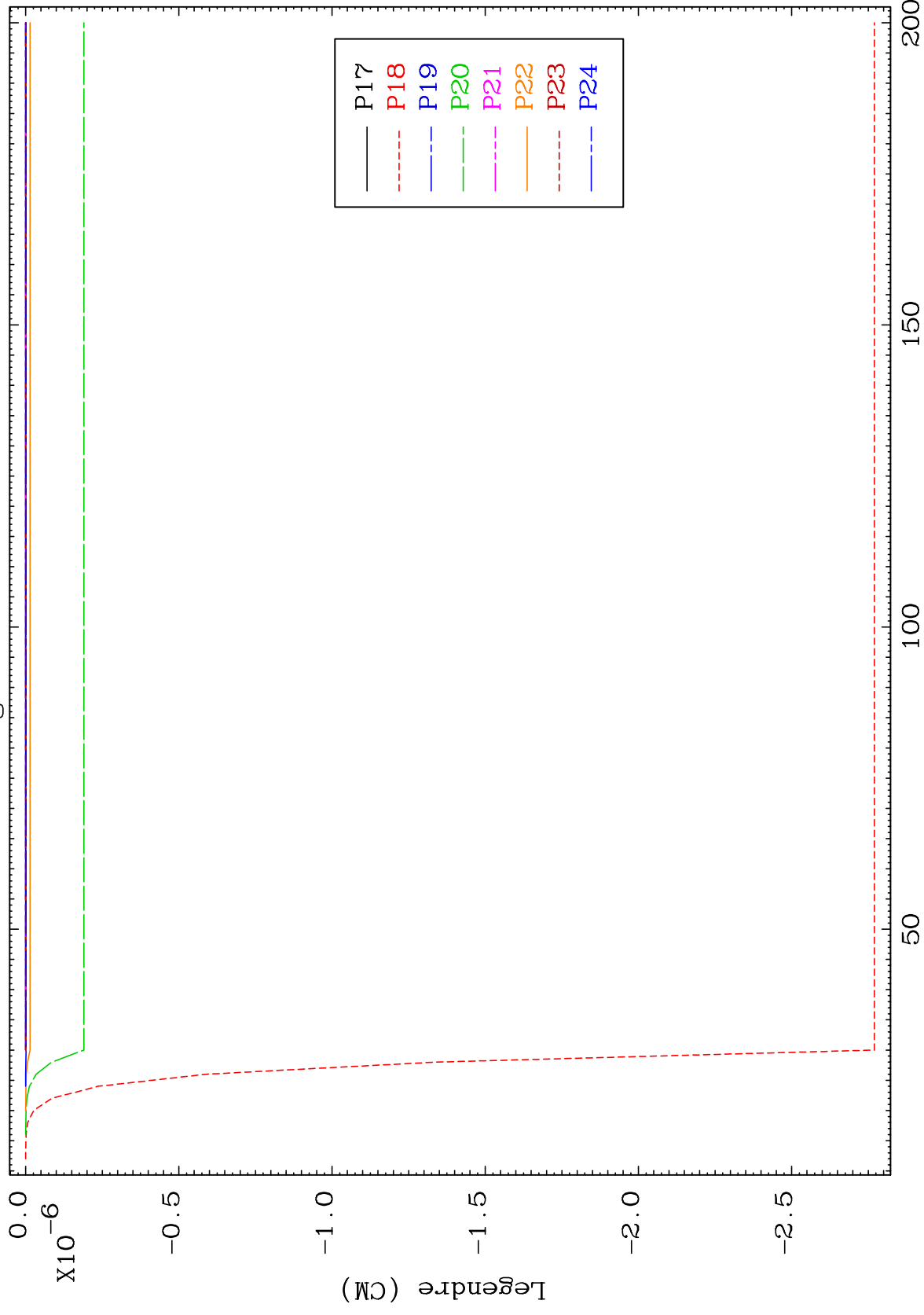
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



36-Kr-82

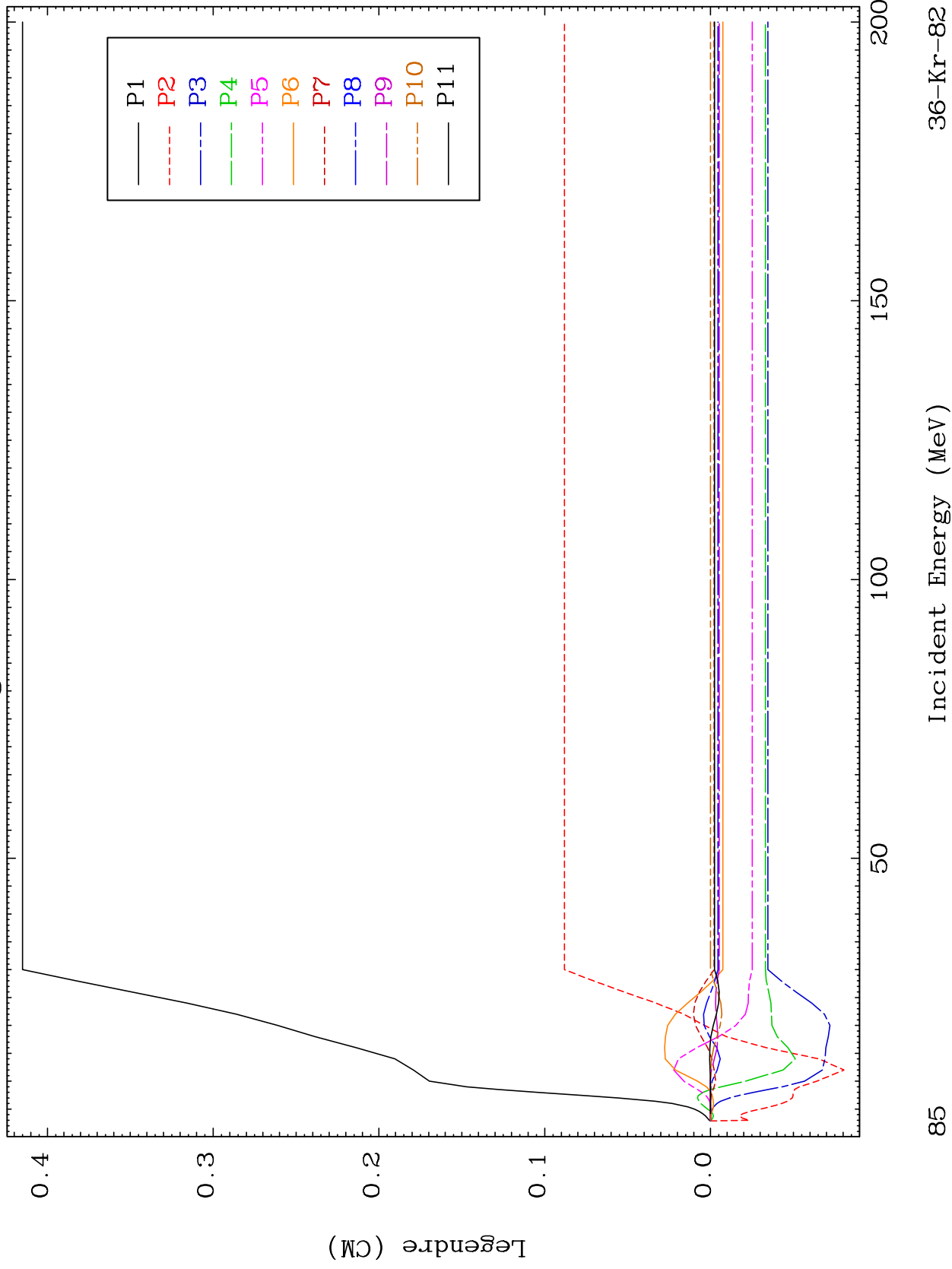
Incident Energy (MeV)

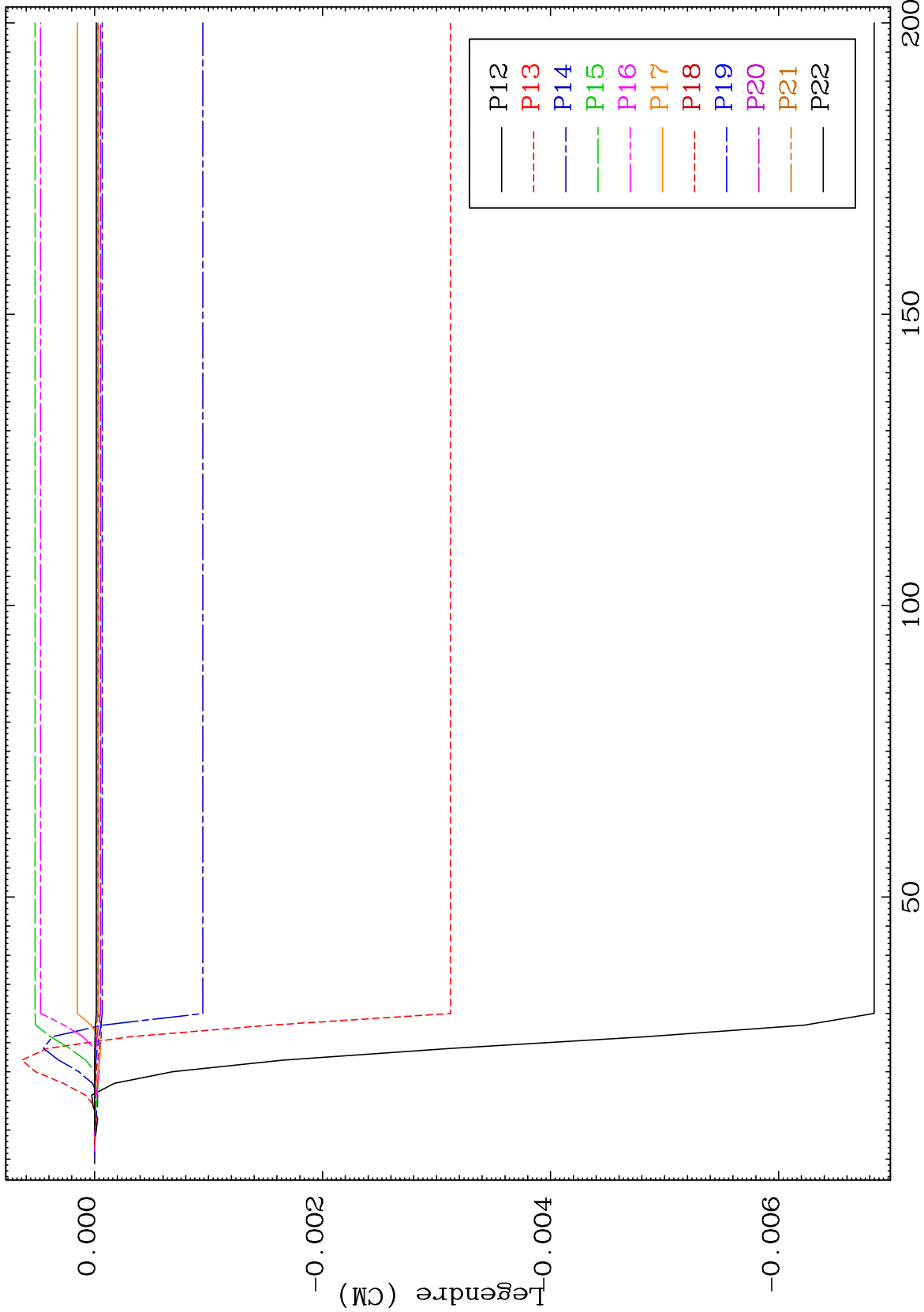
84

MAT 3637

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

36-Kr-82

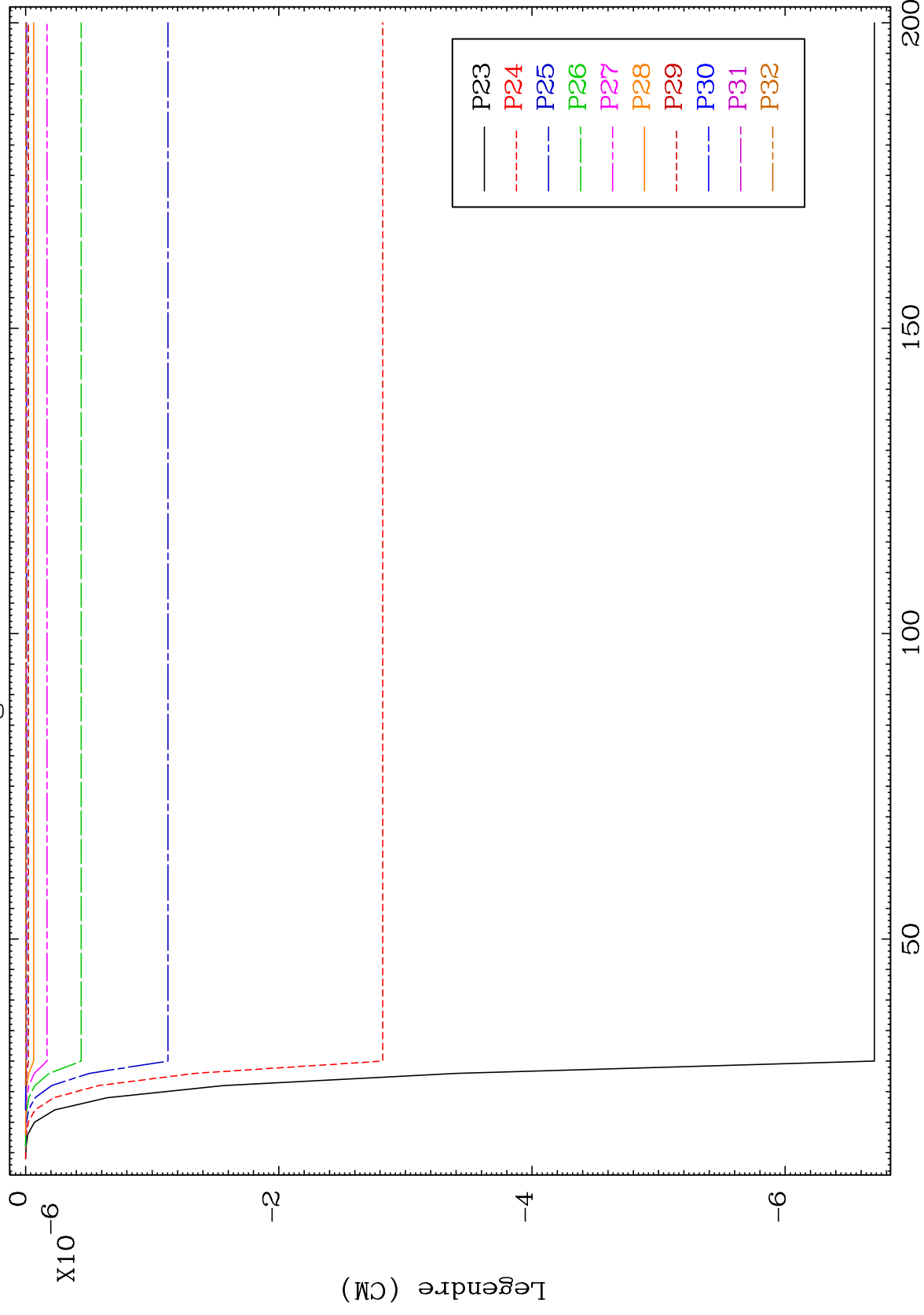




MAT 3637

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

36-Kr-82



87

Incident Energy (MeV)

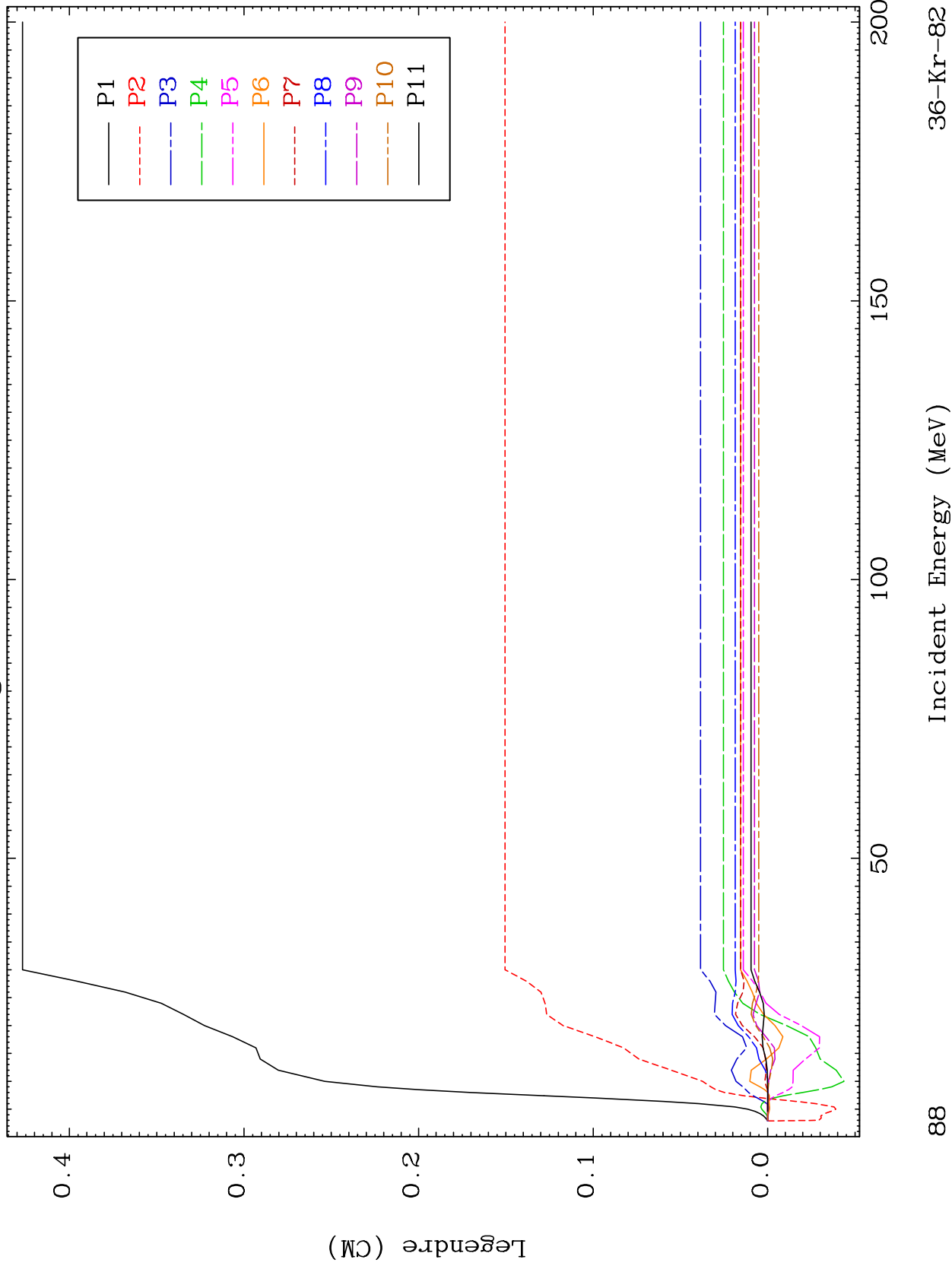
36-Kr-82



MAT 3637

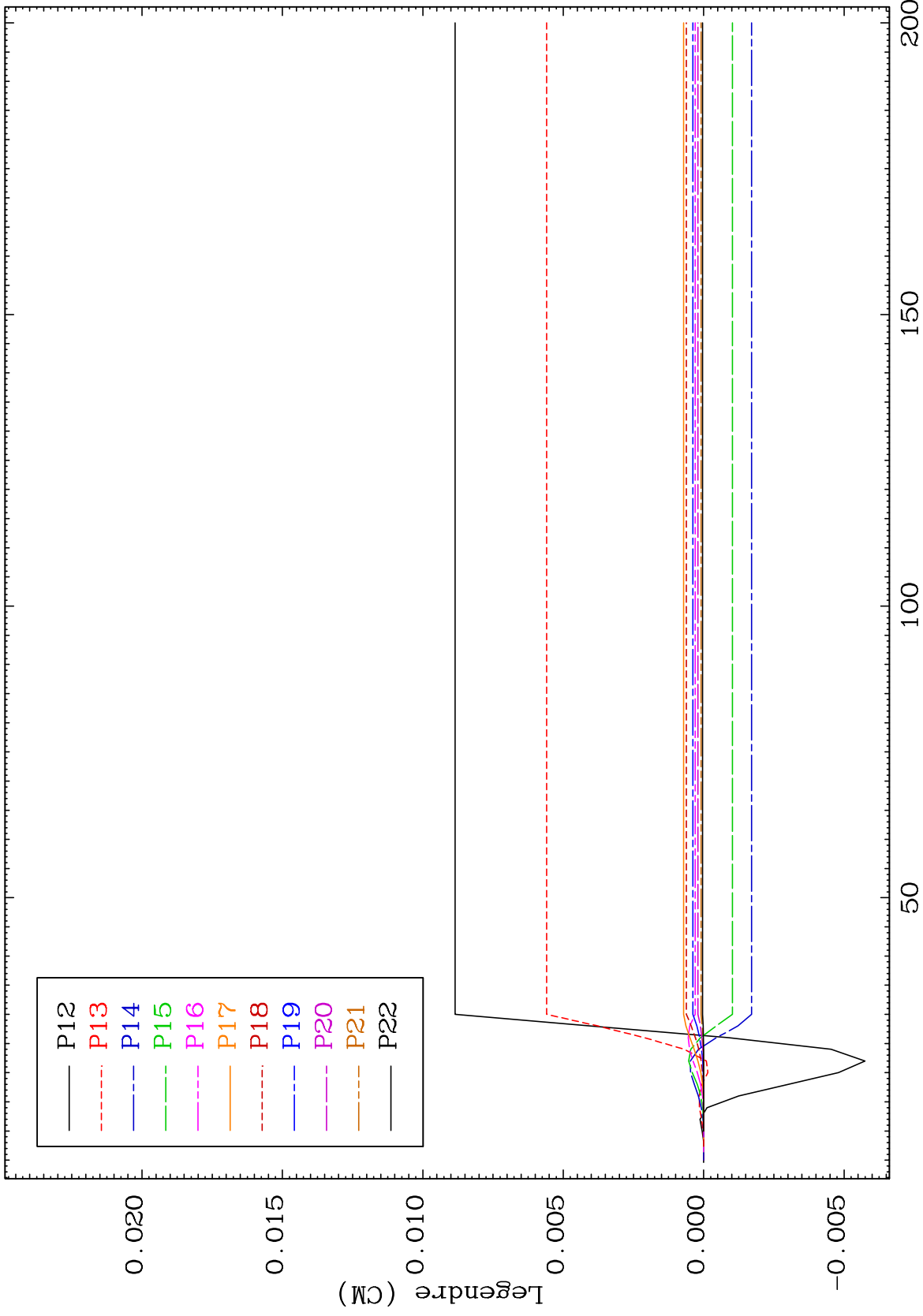
MT= 70 (n,n') Level  
Legendre Coefficients

36-Kr-82



88

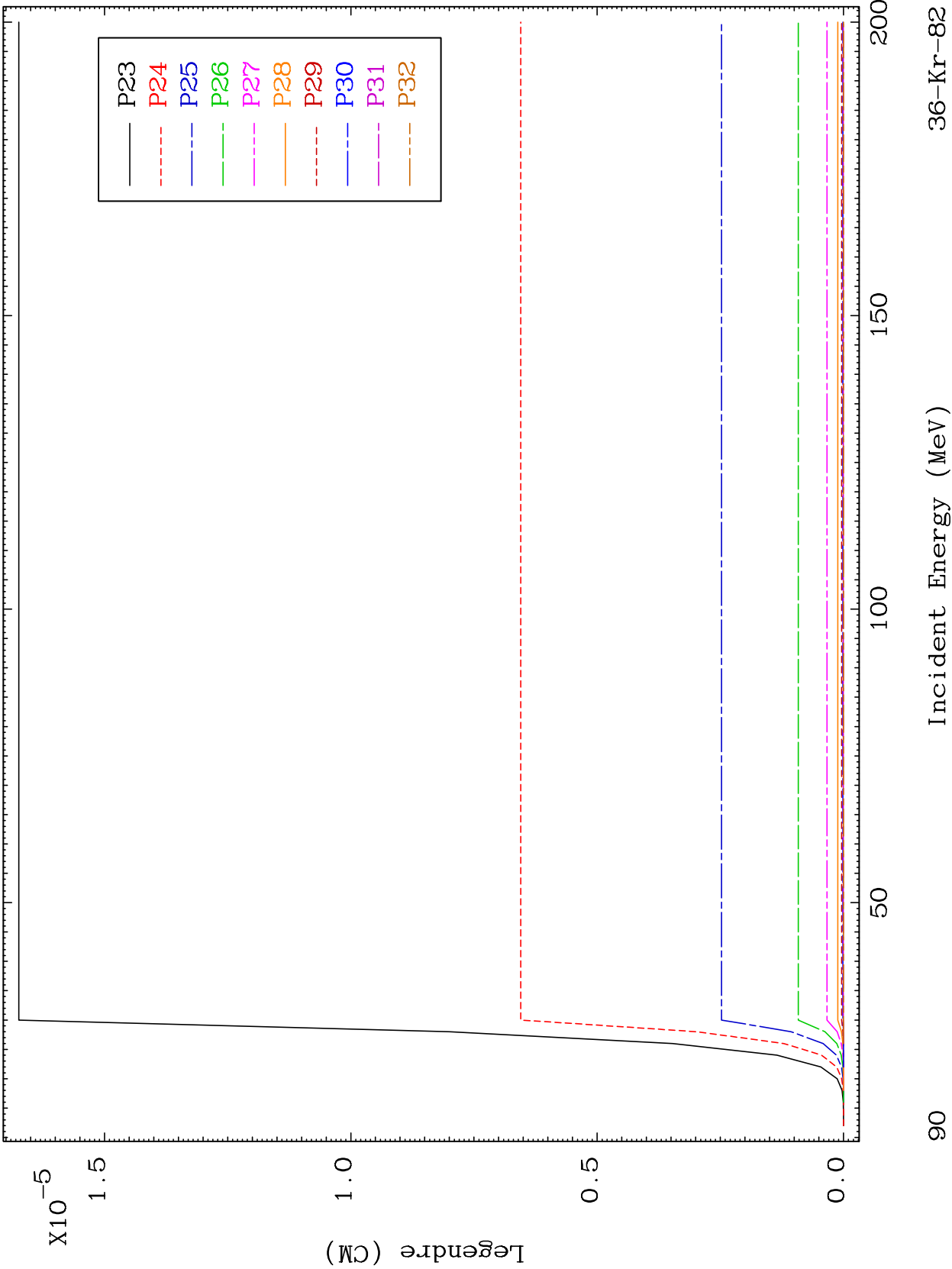
36-Kr-82



MAT 3637

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

36-Kr-82



36-Kr-82

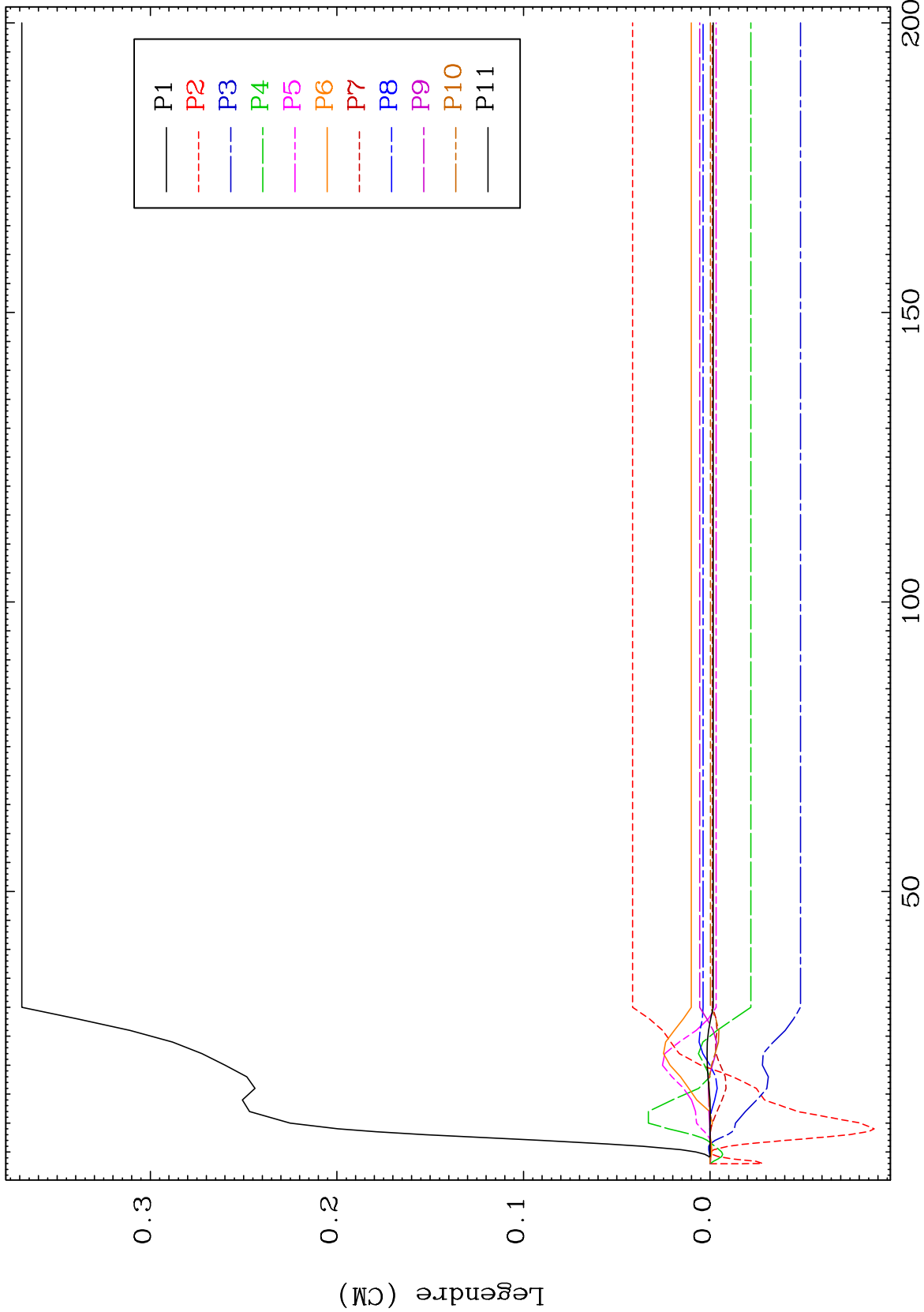
Incident Energy (MeV)

90

MAT 3637

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

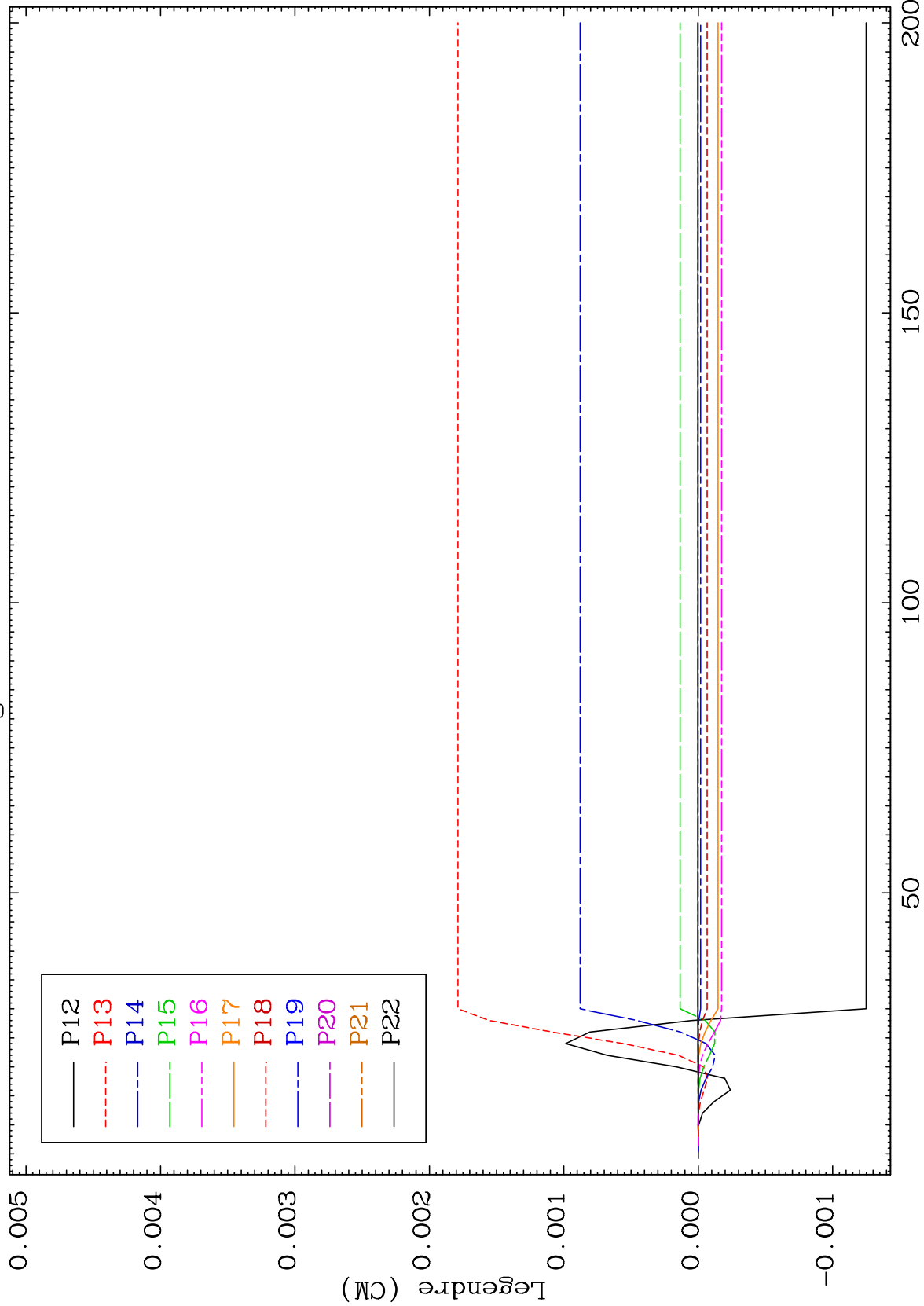
36-Kr-82



91

Incident Energy (MeV)

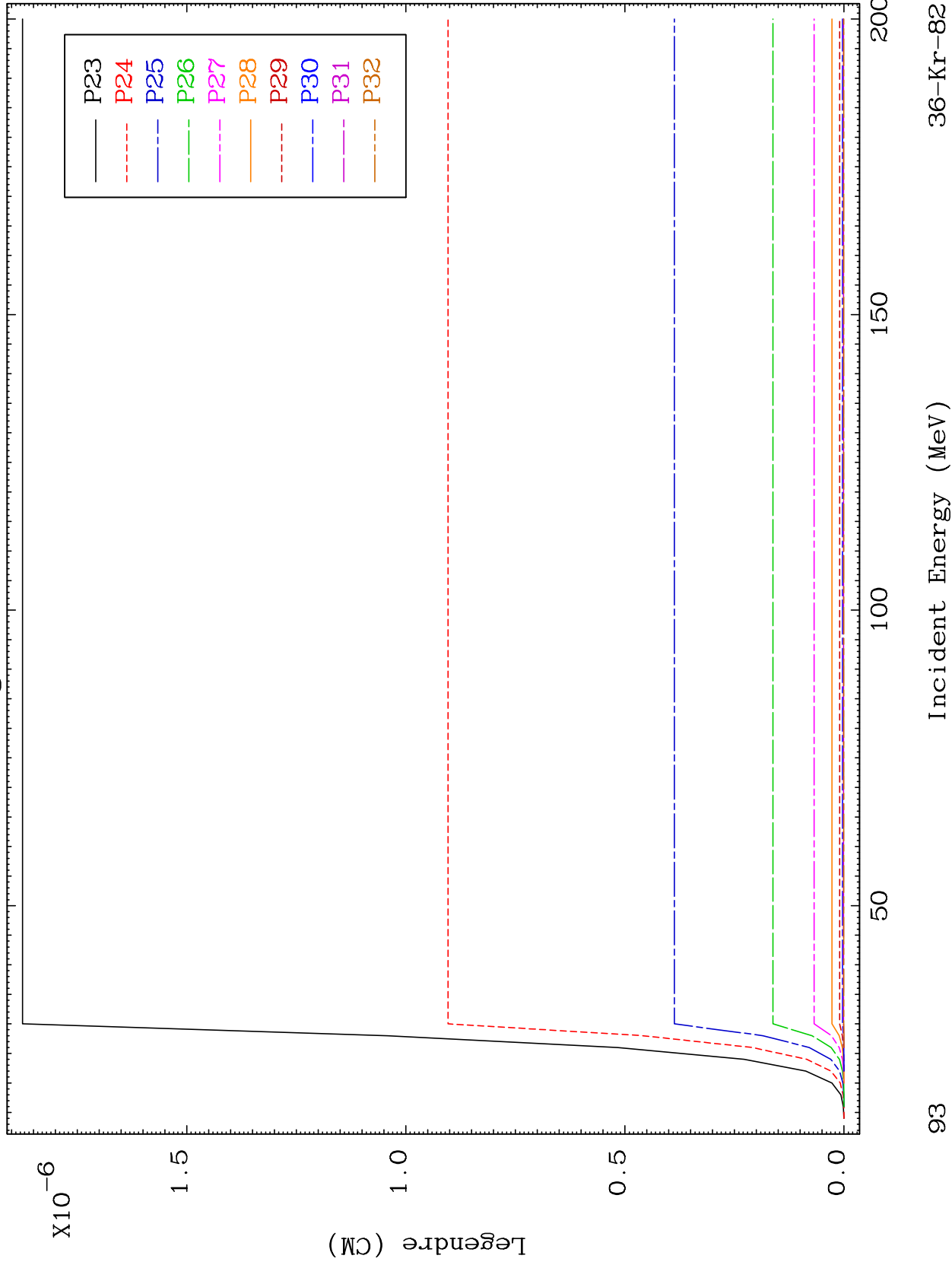
36-Kr-82



MAT 3637

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

36-Kr-82



93

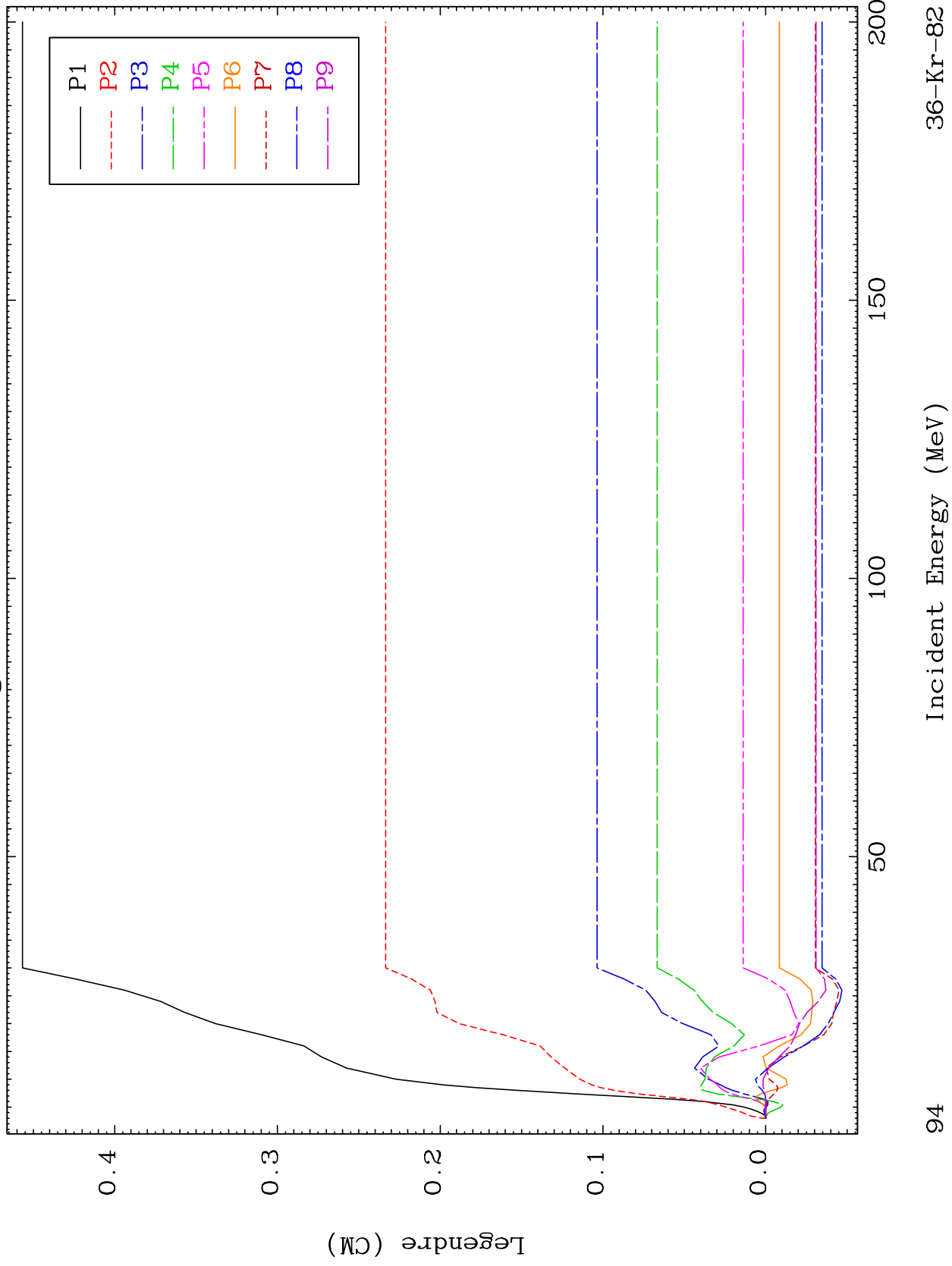
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



94

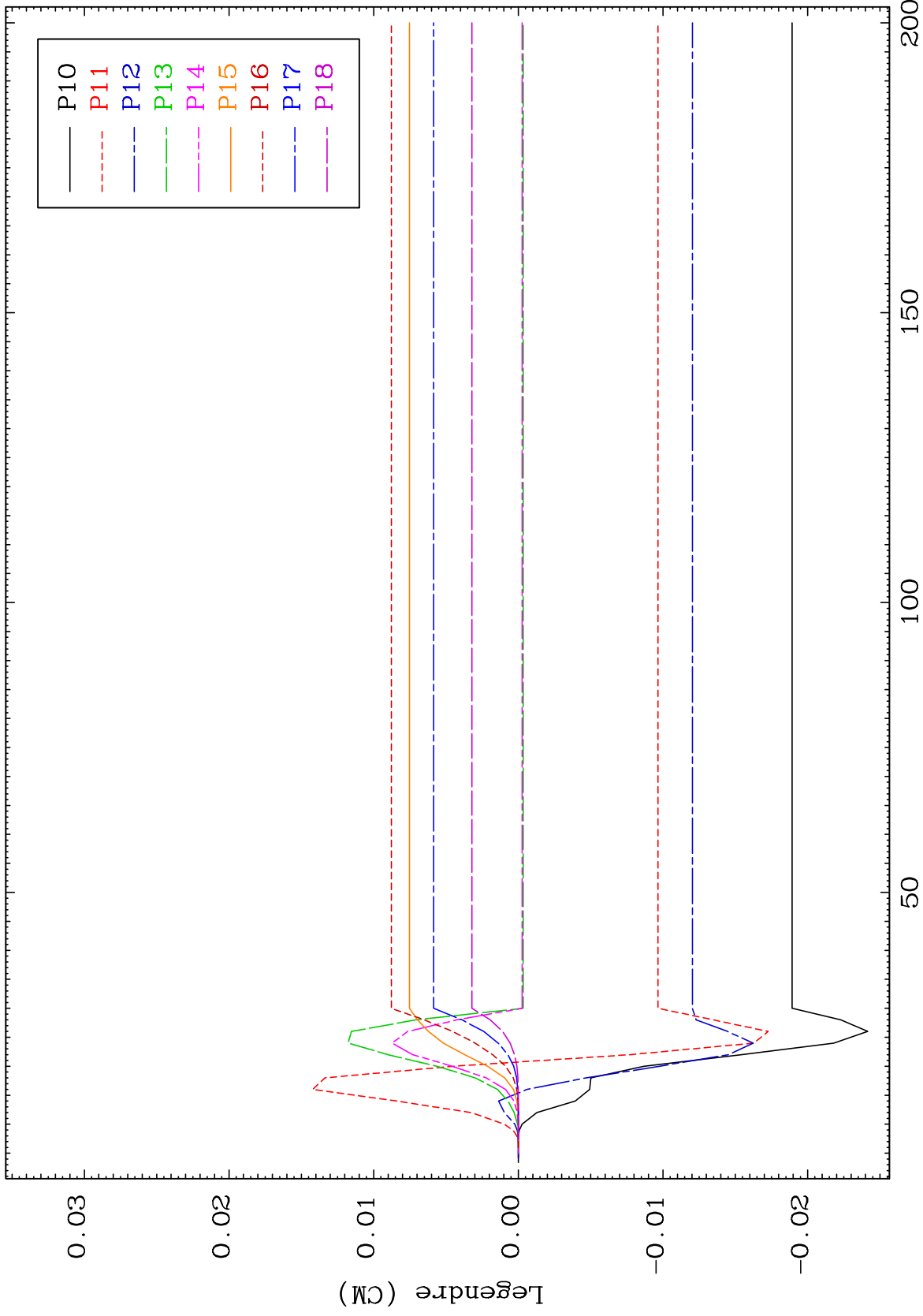
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



95

Incident Energy (MeV)

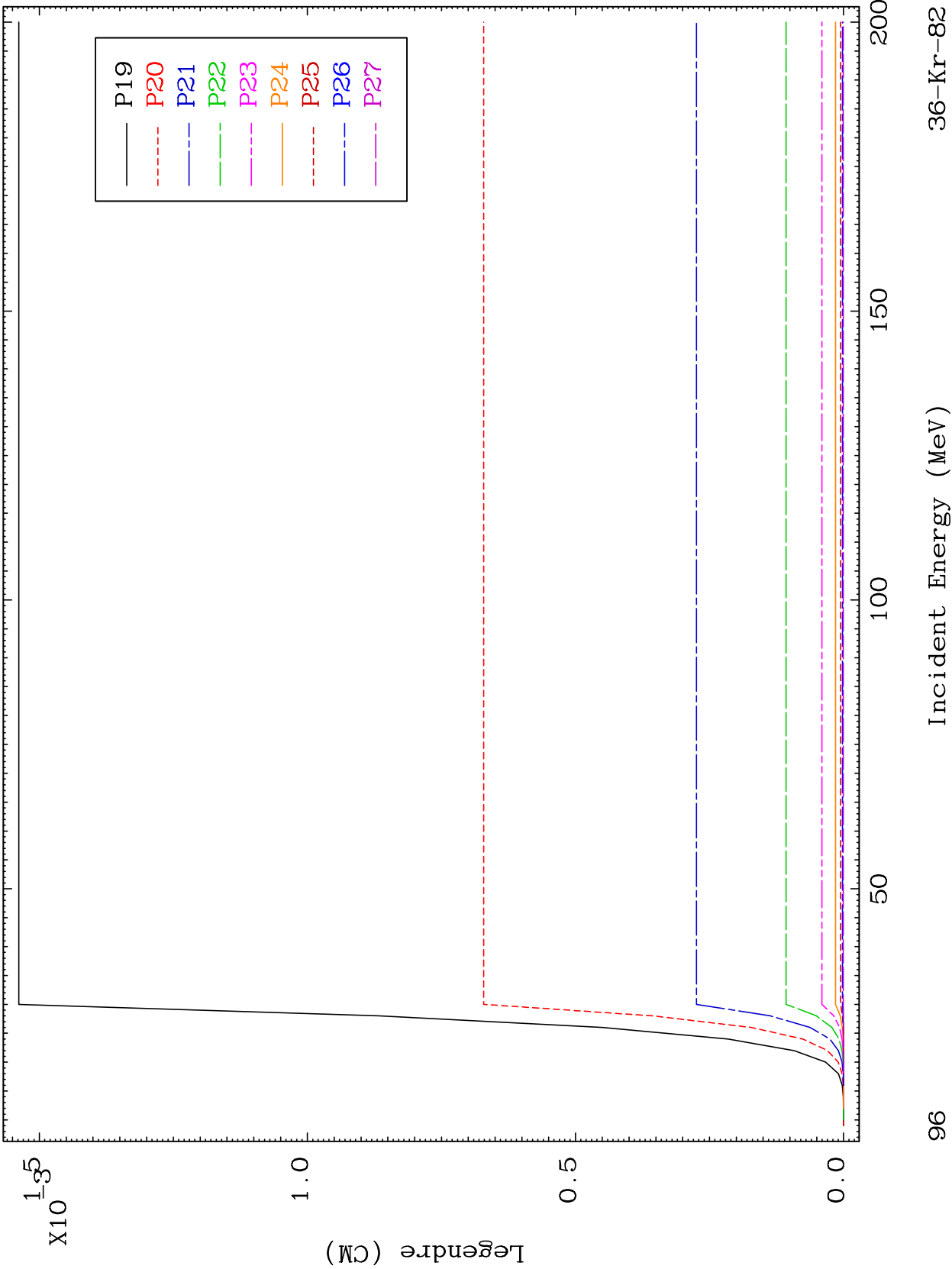
36-Kr-82



MAT 3637

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

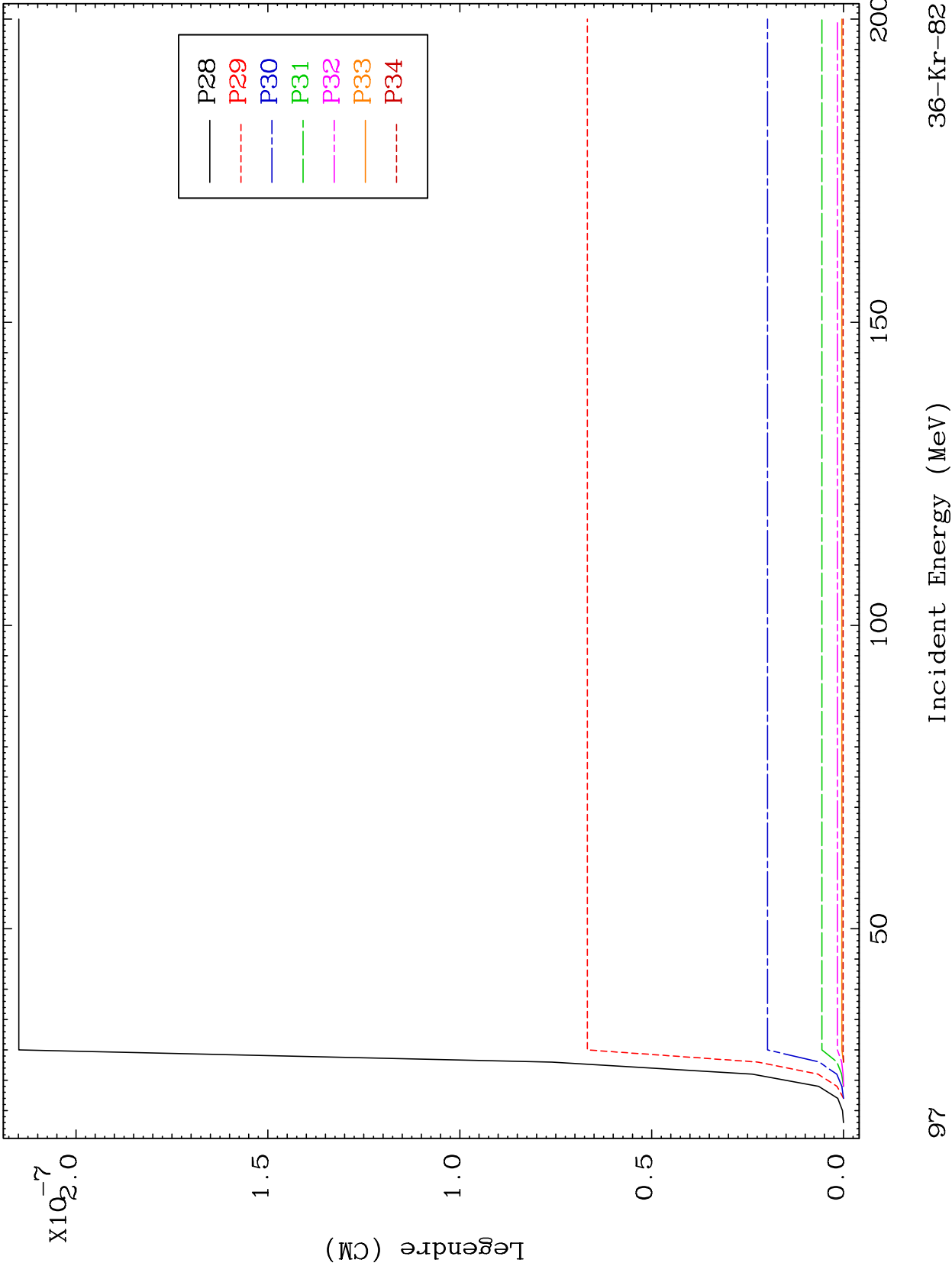
36-Kr-82



MAT 3637

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

36-Kr-82



97

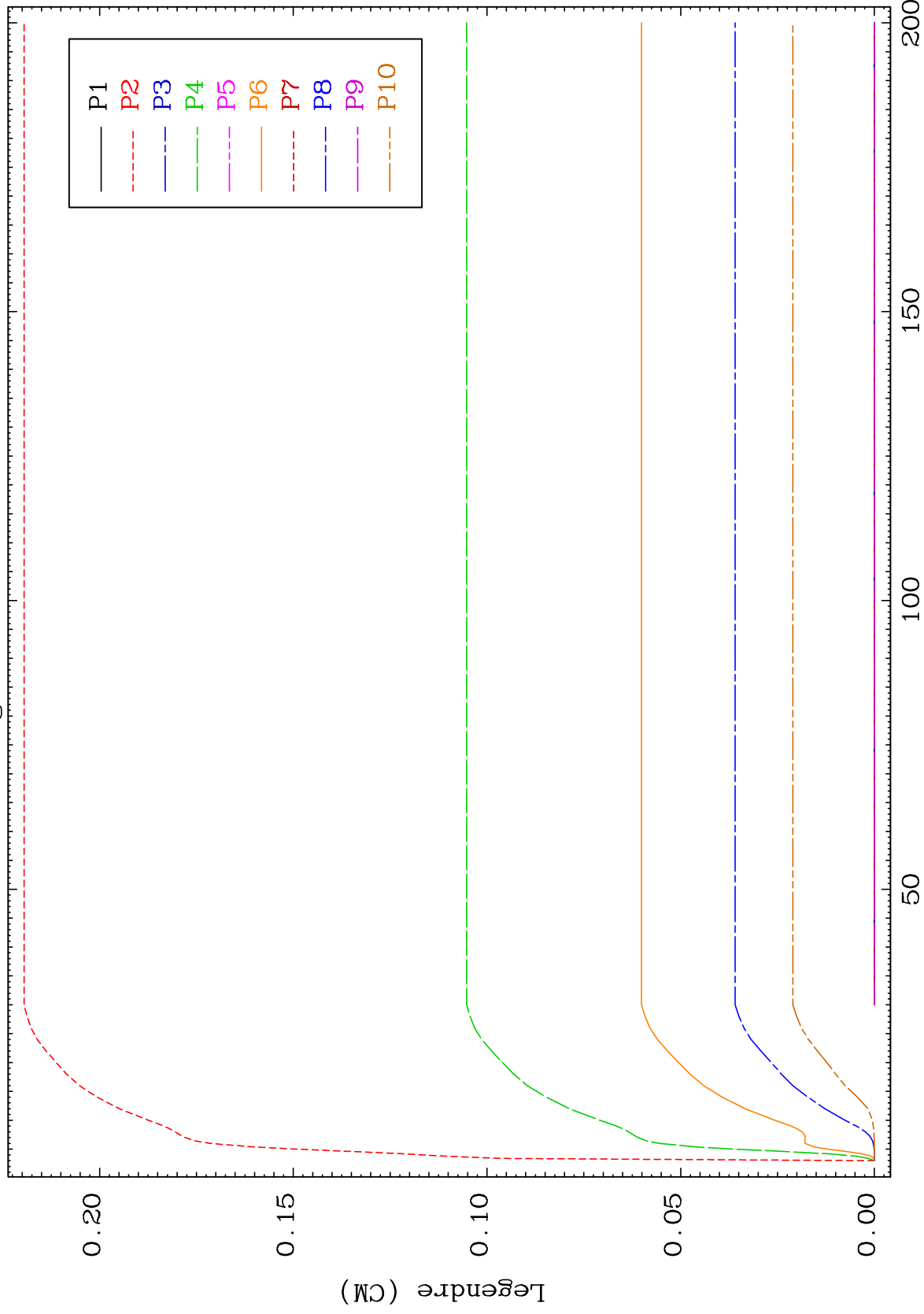
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



98

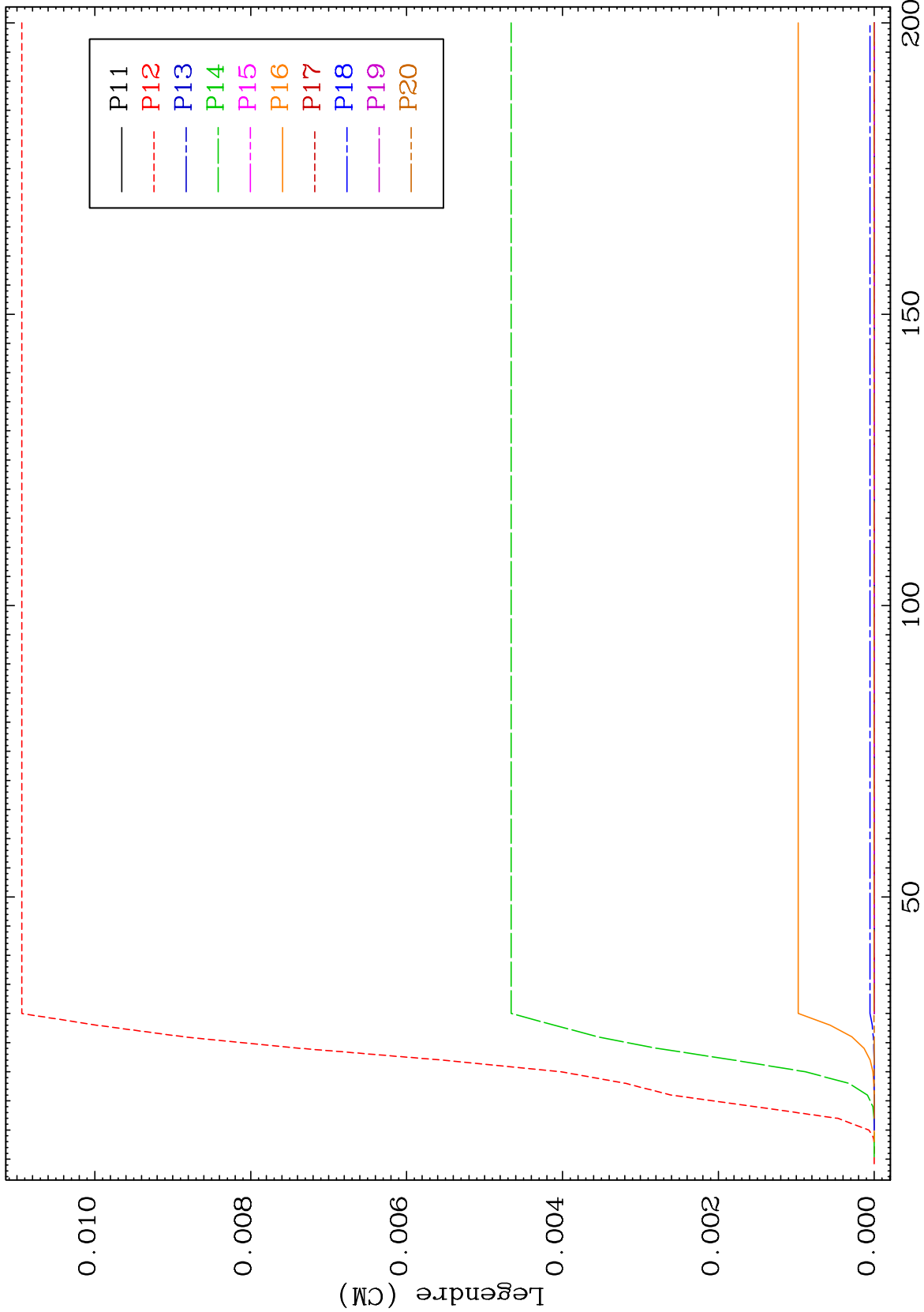
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

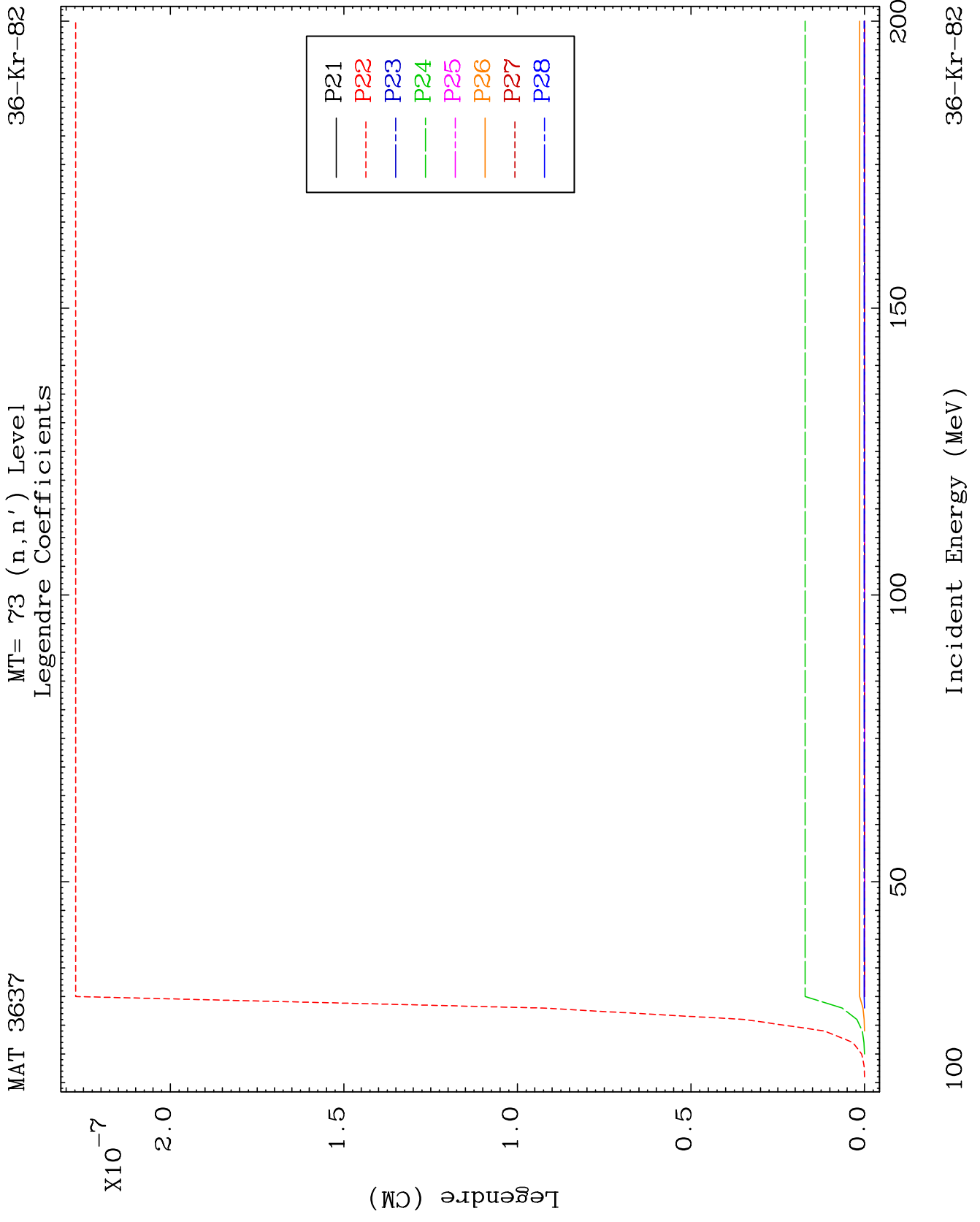
36-Kr-82



99

Incident Energy (MeV)

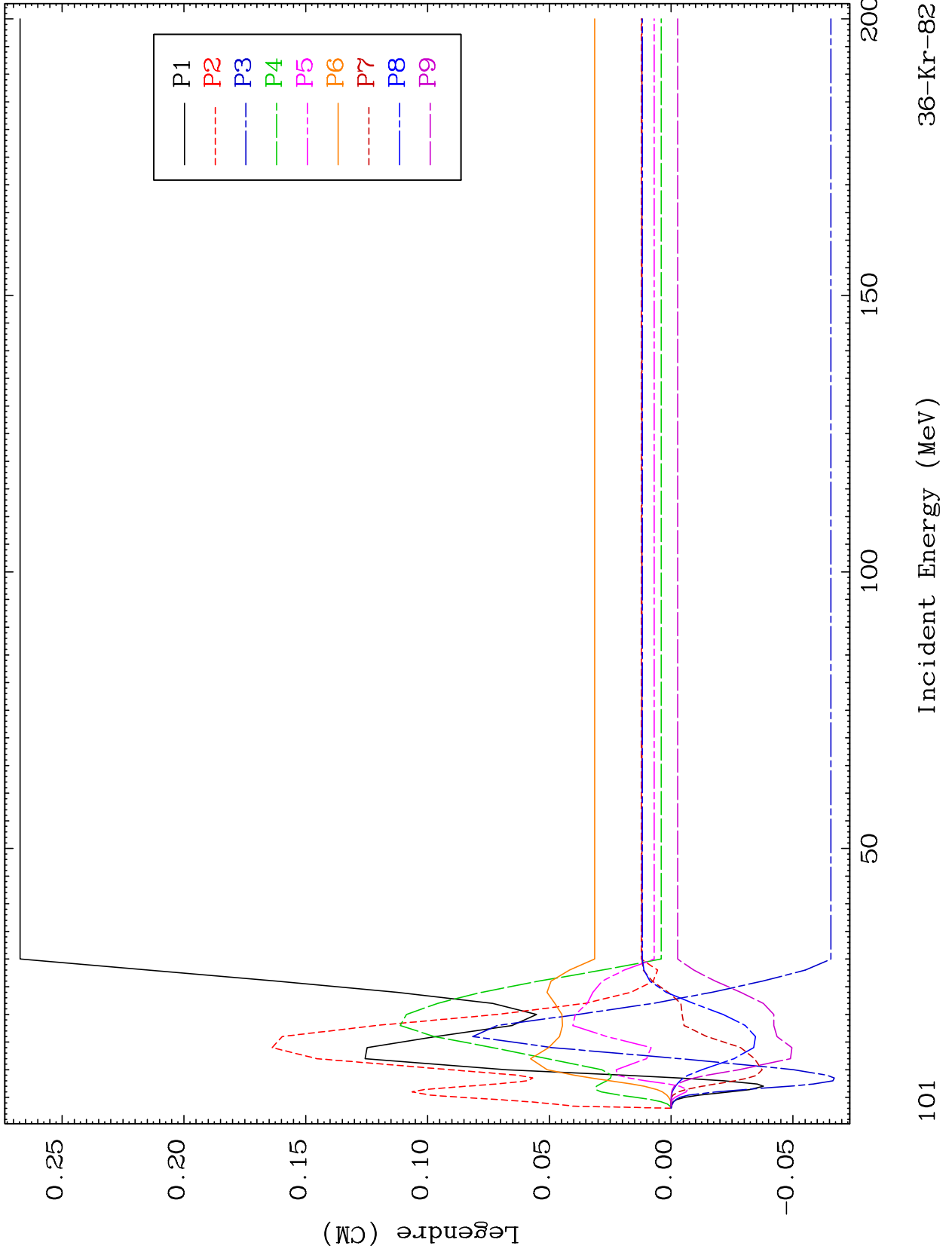
36-Kr-82



MAT 3637

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

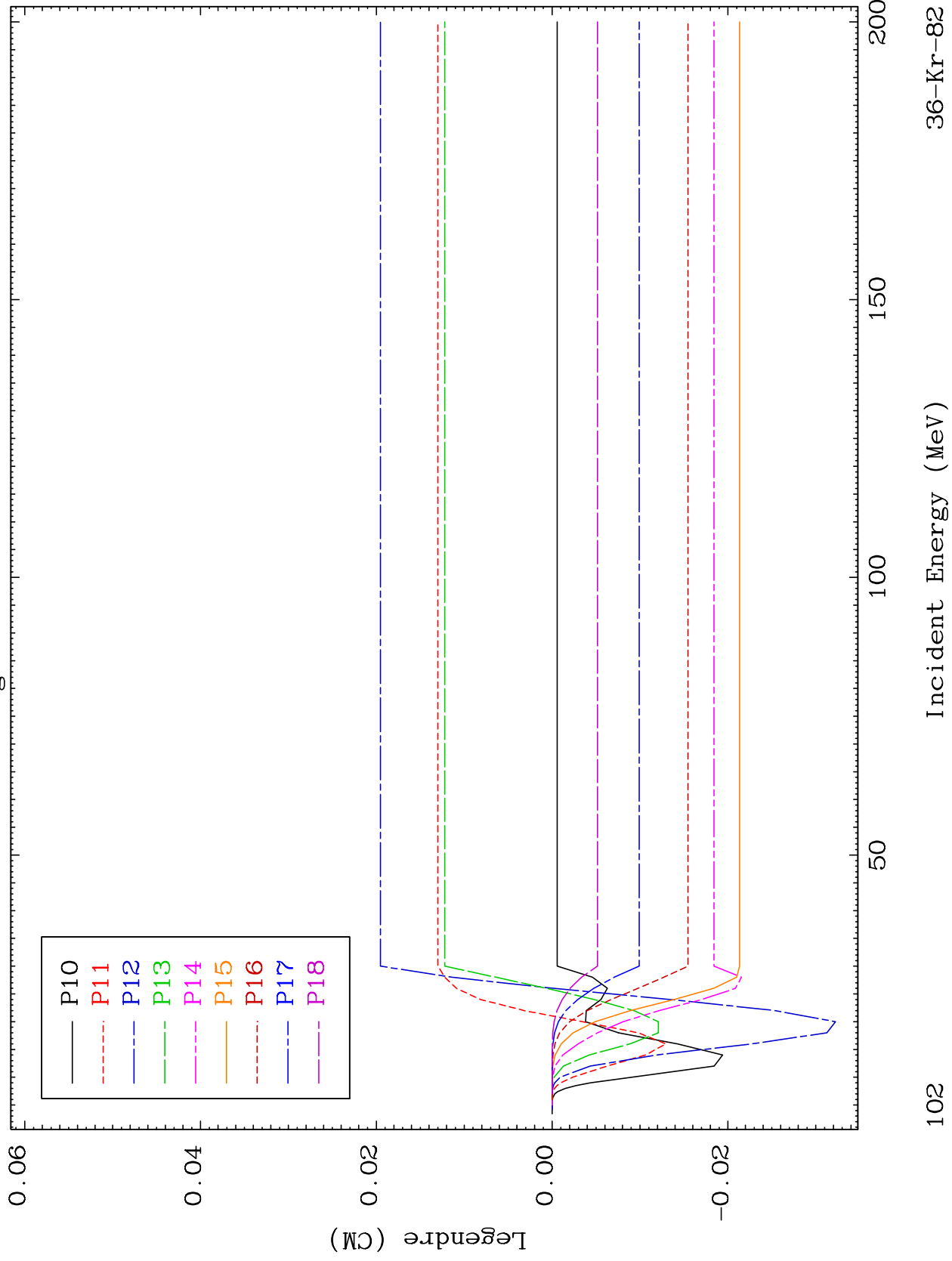
36-Kr-82



MAT 3637

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

36-Kr-82



102

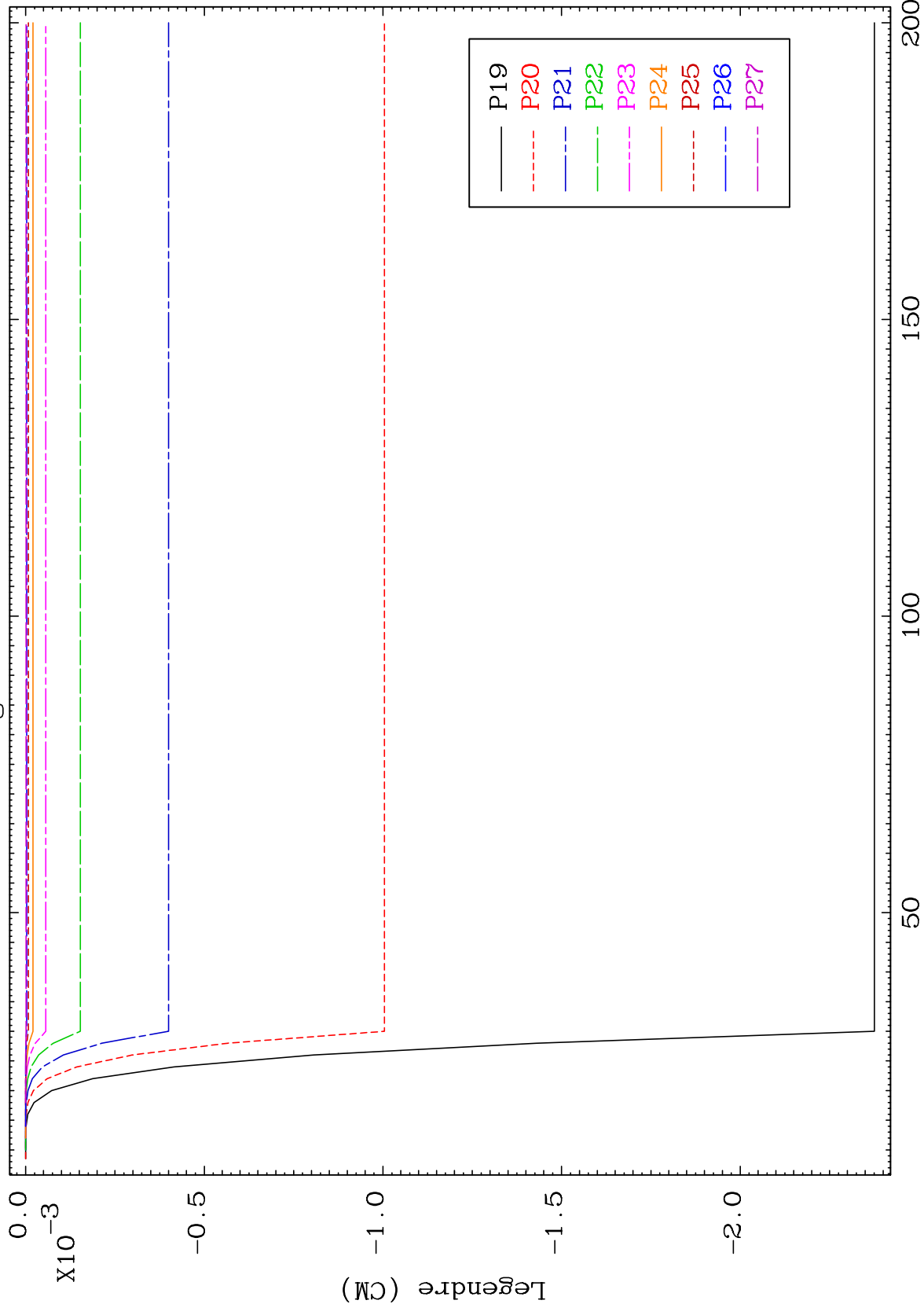
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



103

Incident Energy (MeV)

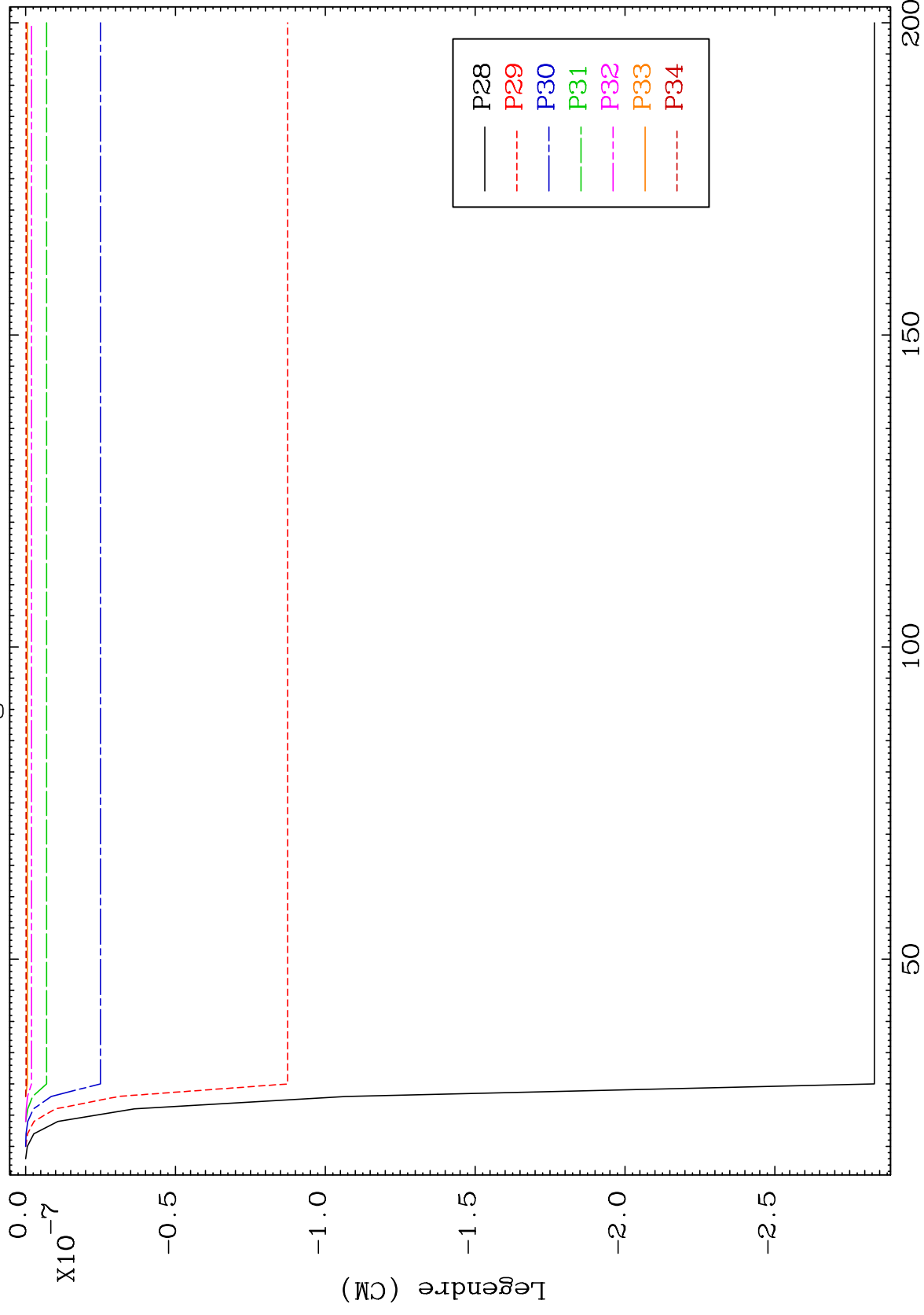
36-Kr-82



MAT 3637

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

36-Kr-82



36-Kr-82

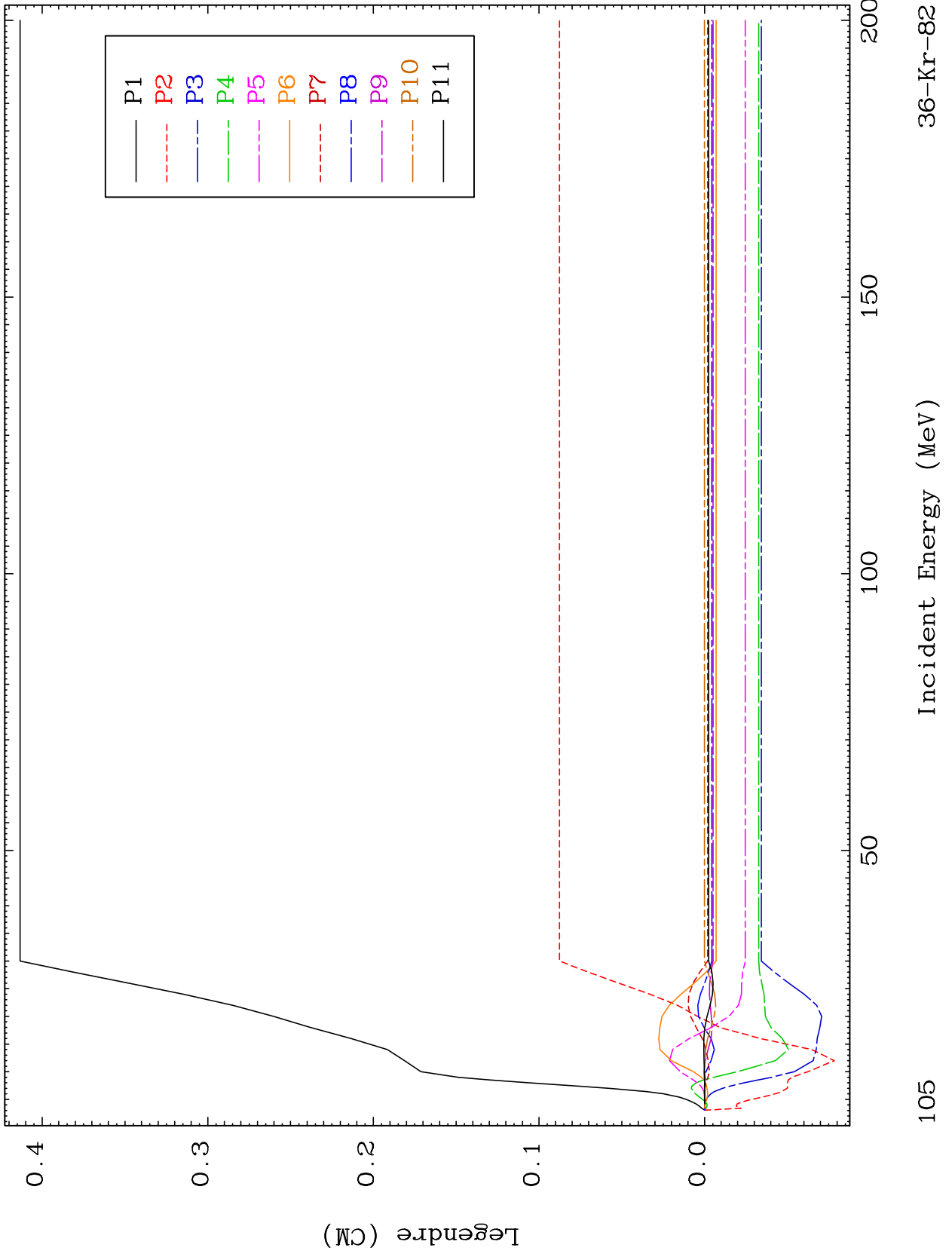
Incident Energy (MeV)

104

MAT 3637

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

36-Kr-82



105

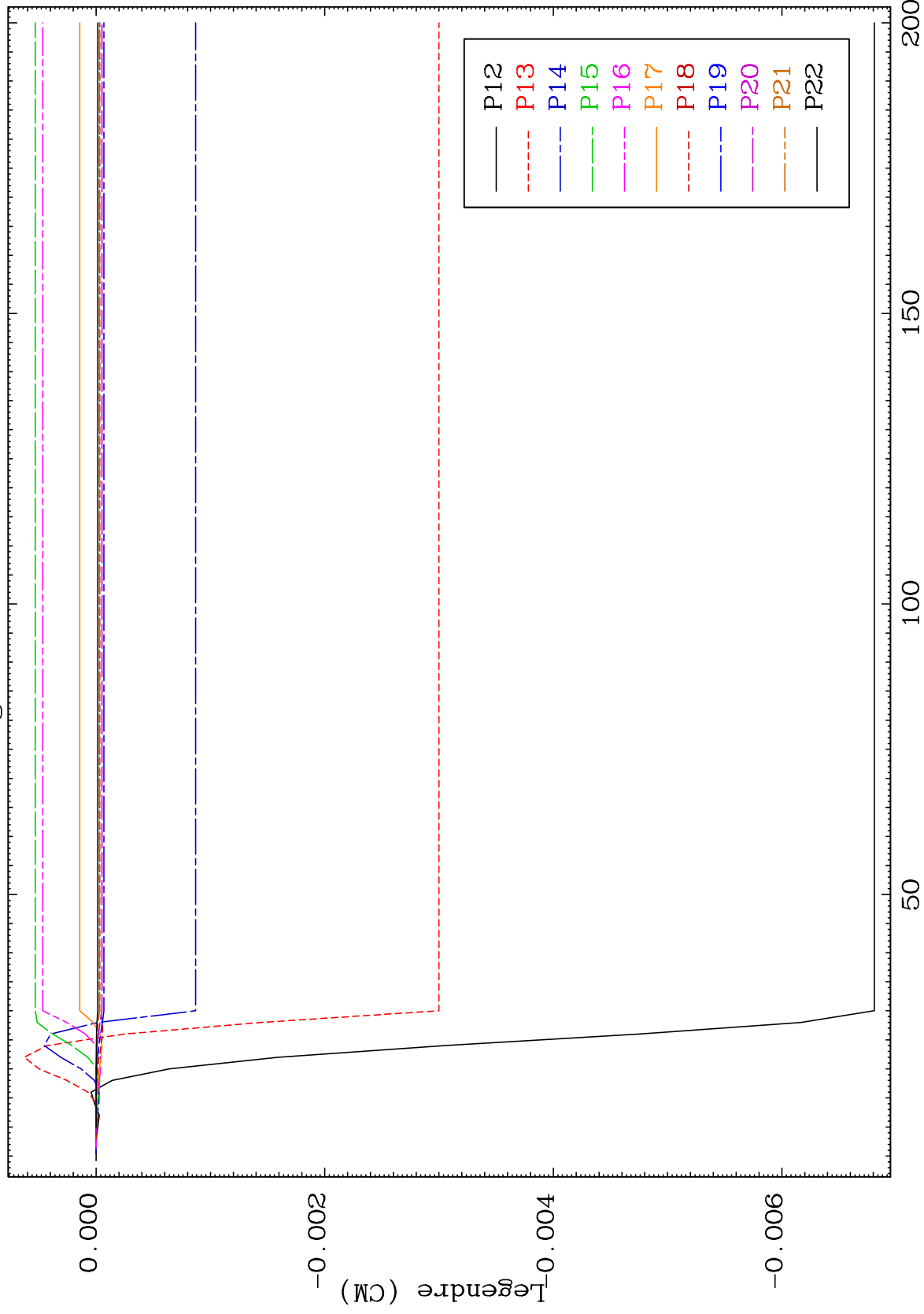
Incident Energy (MeV)

36-Kr-82

MAT 3637

36-Kr-82

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



106

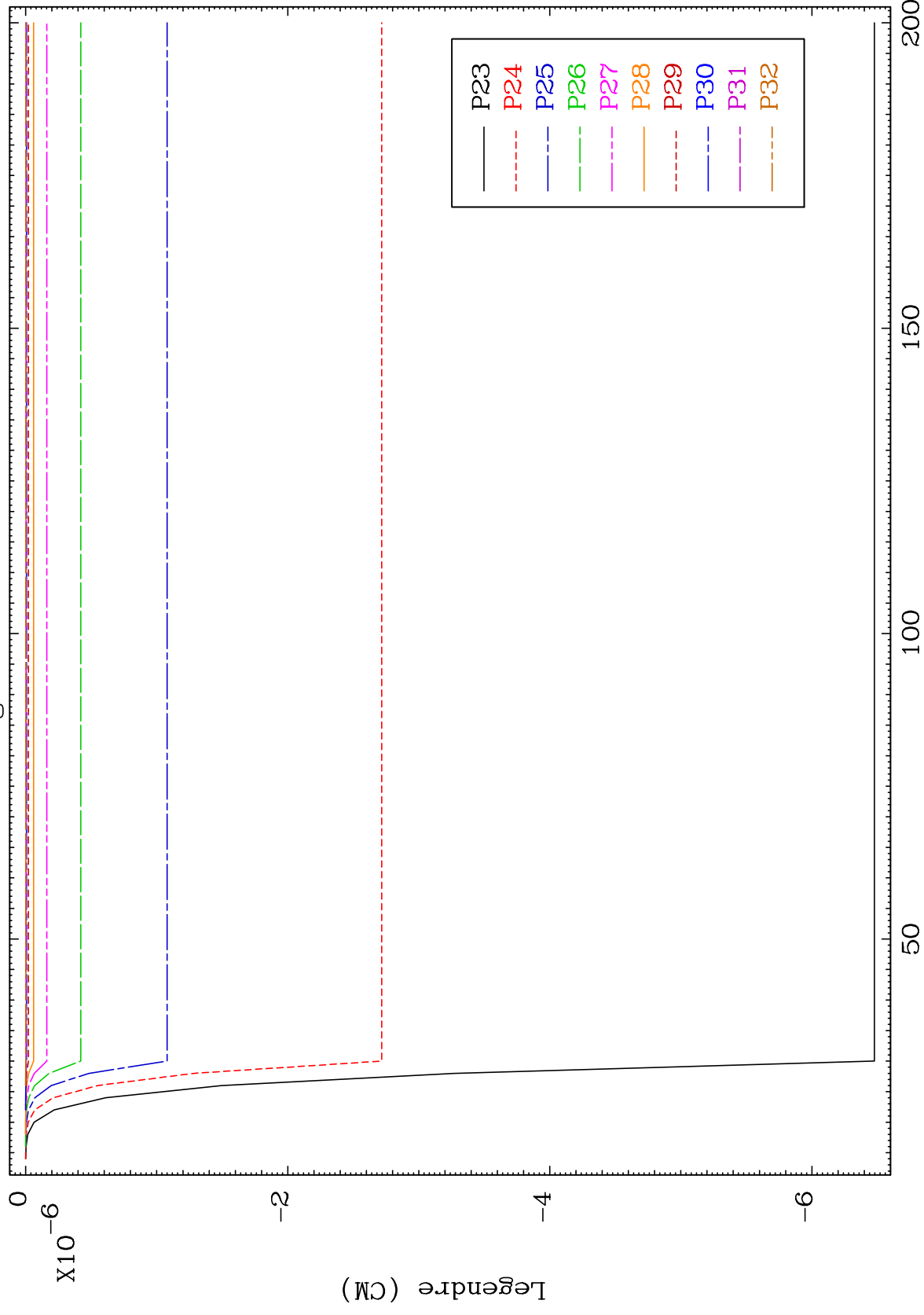
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



107

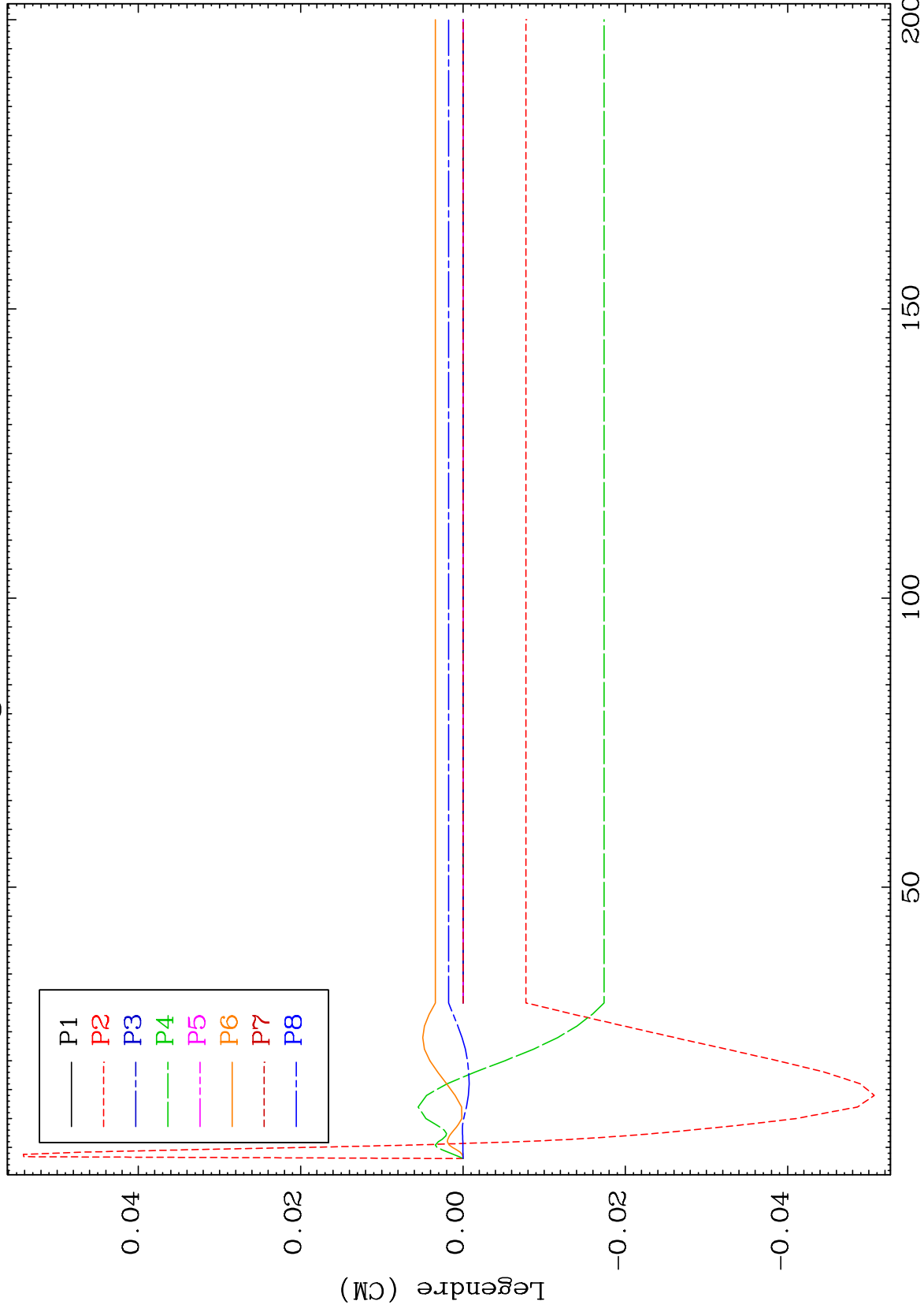
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



108

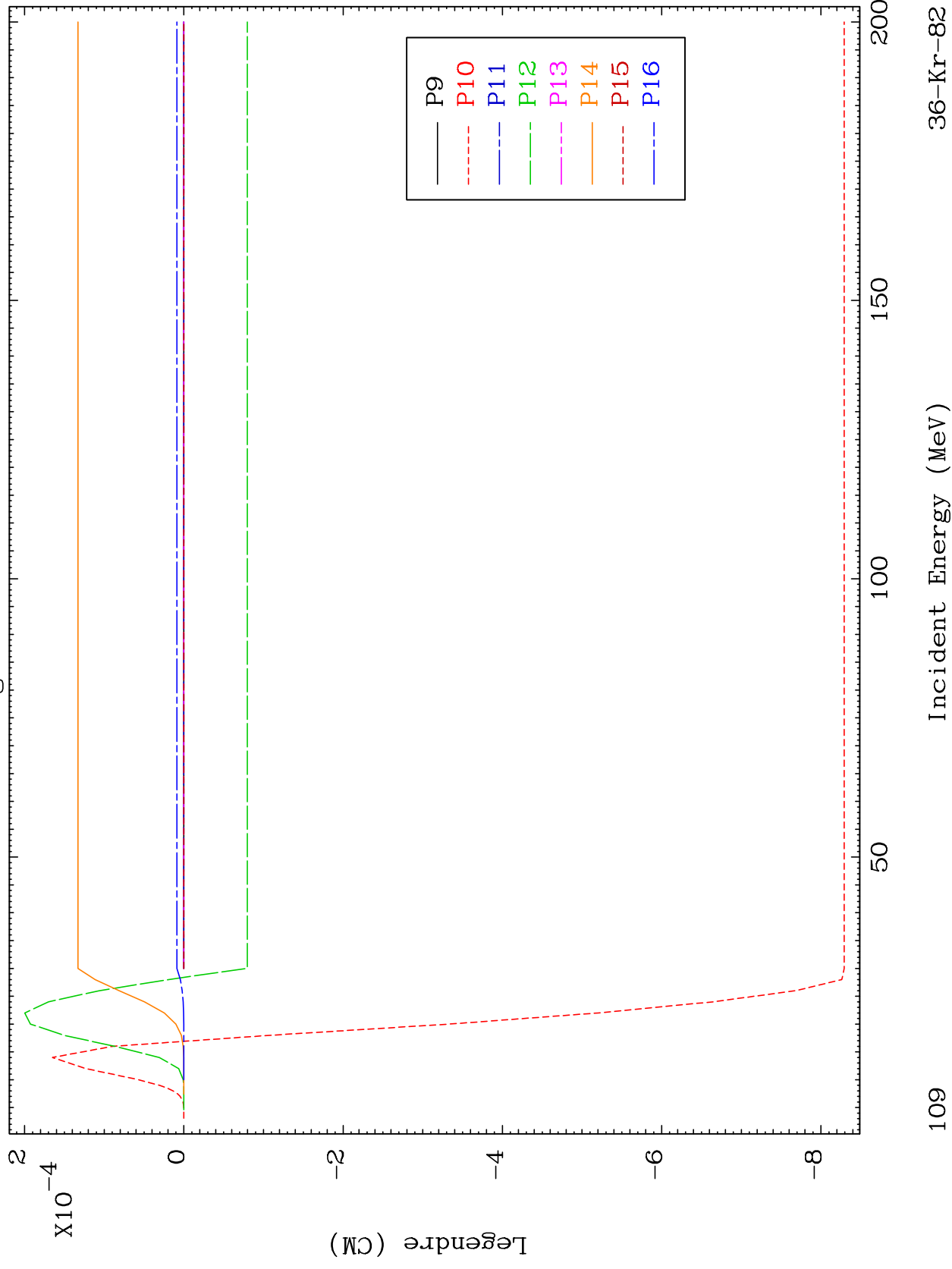
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



109

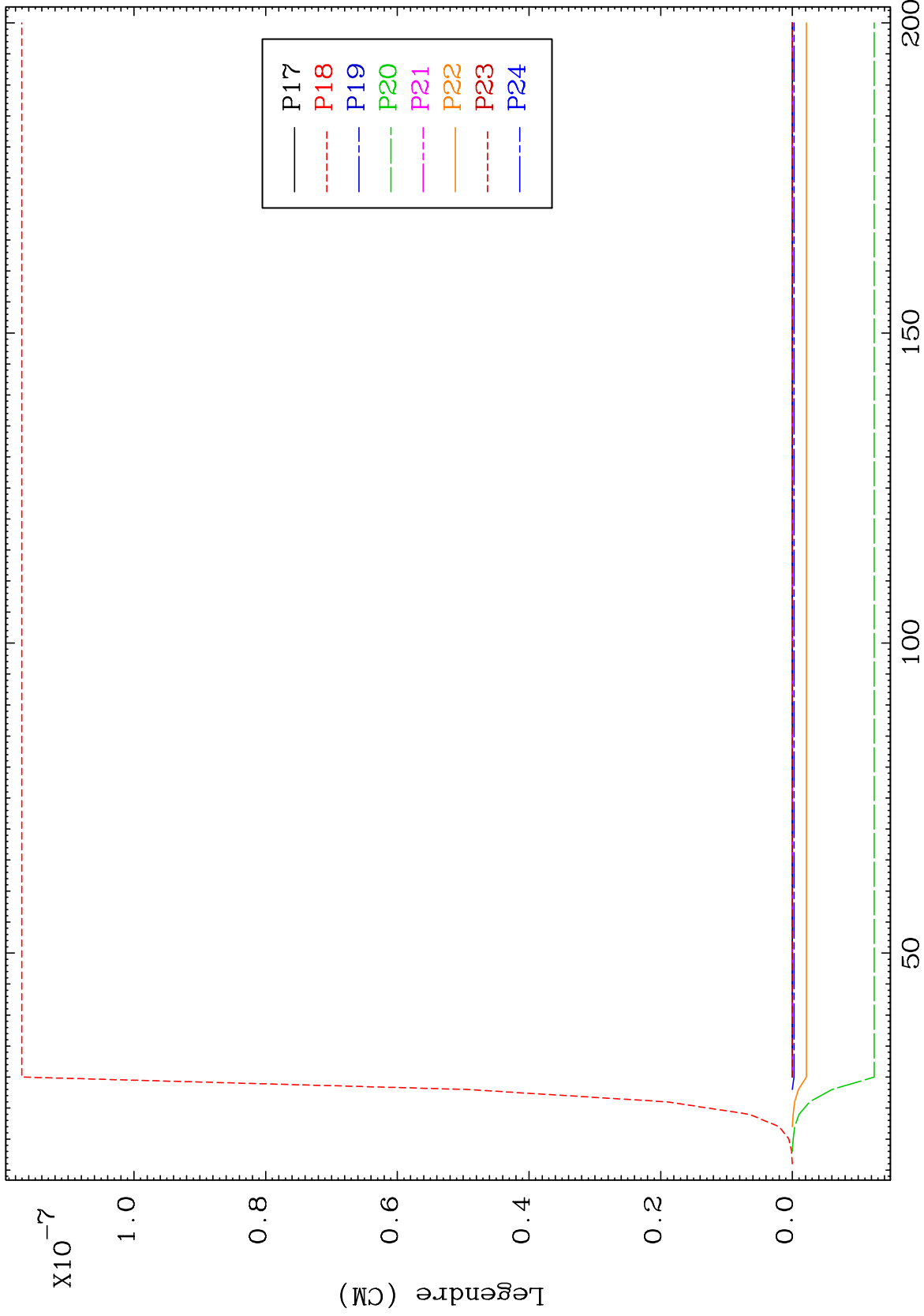
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

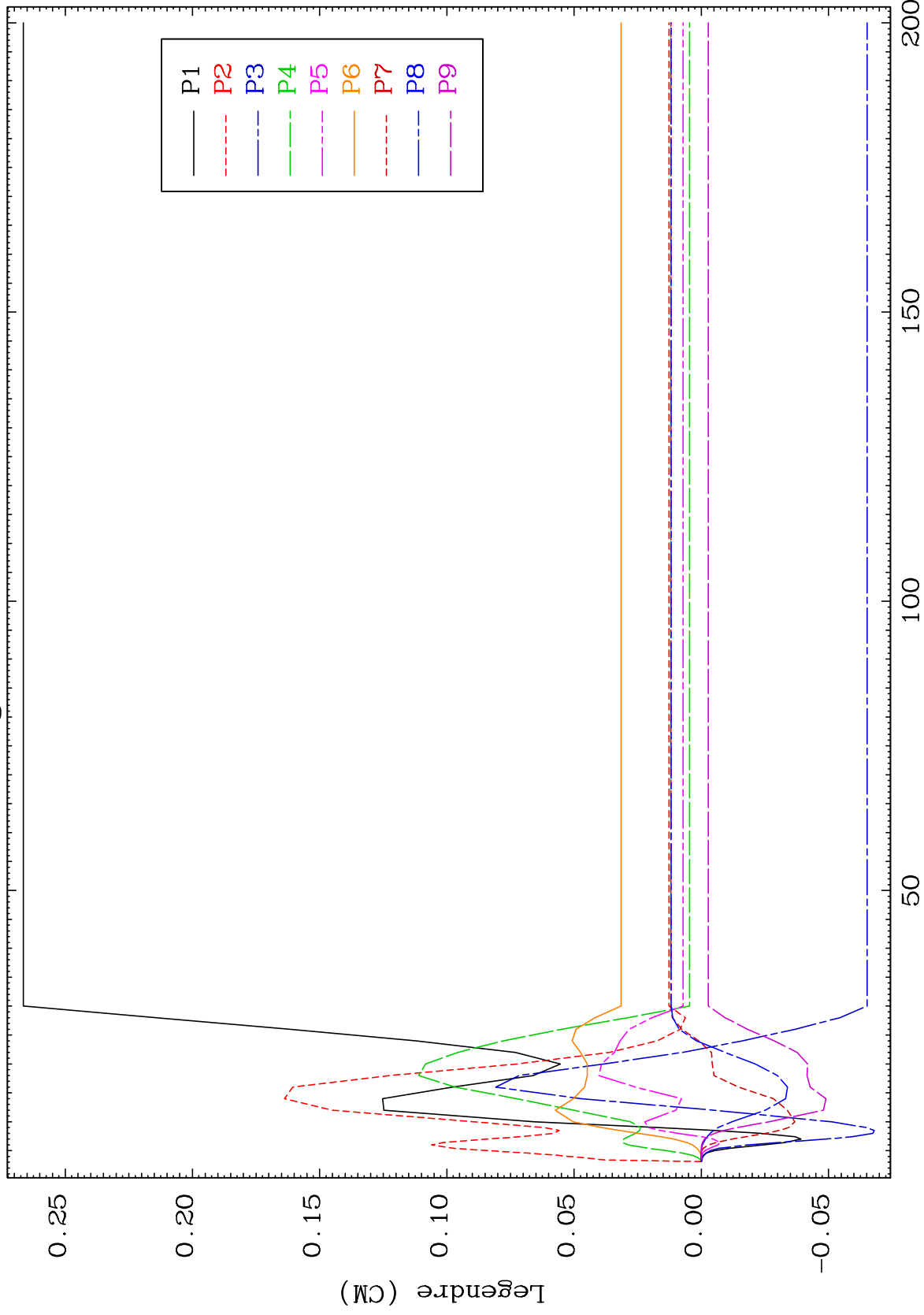
36-Kr-82



110

Incident Energy (MeV)

36-Kr-82

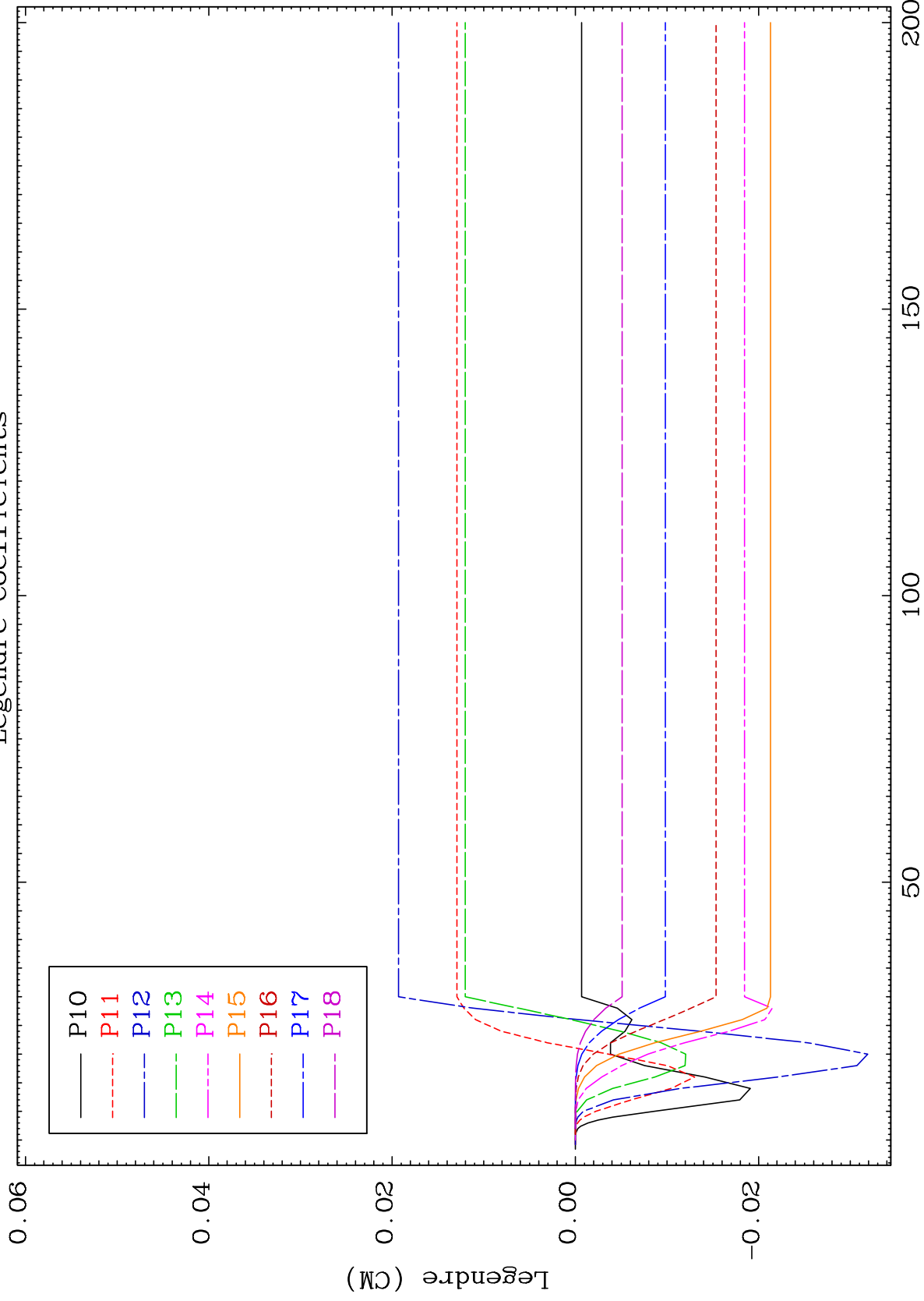




MAT 3637

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

36-Kr-82



112

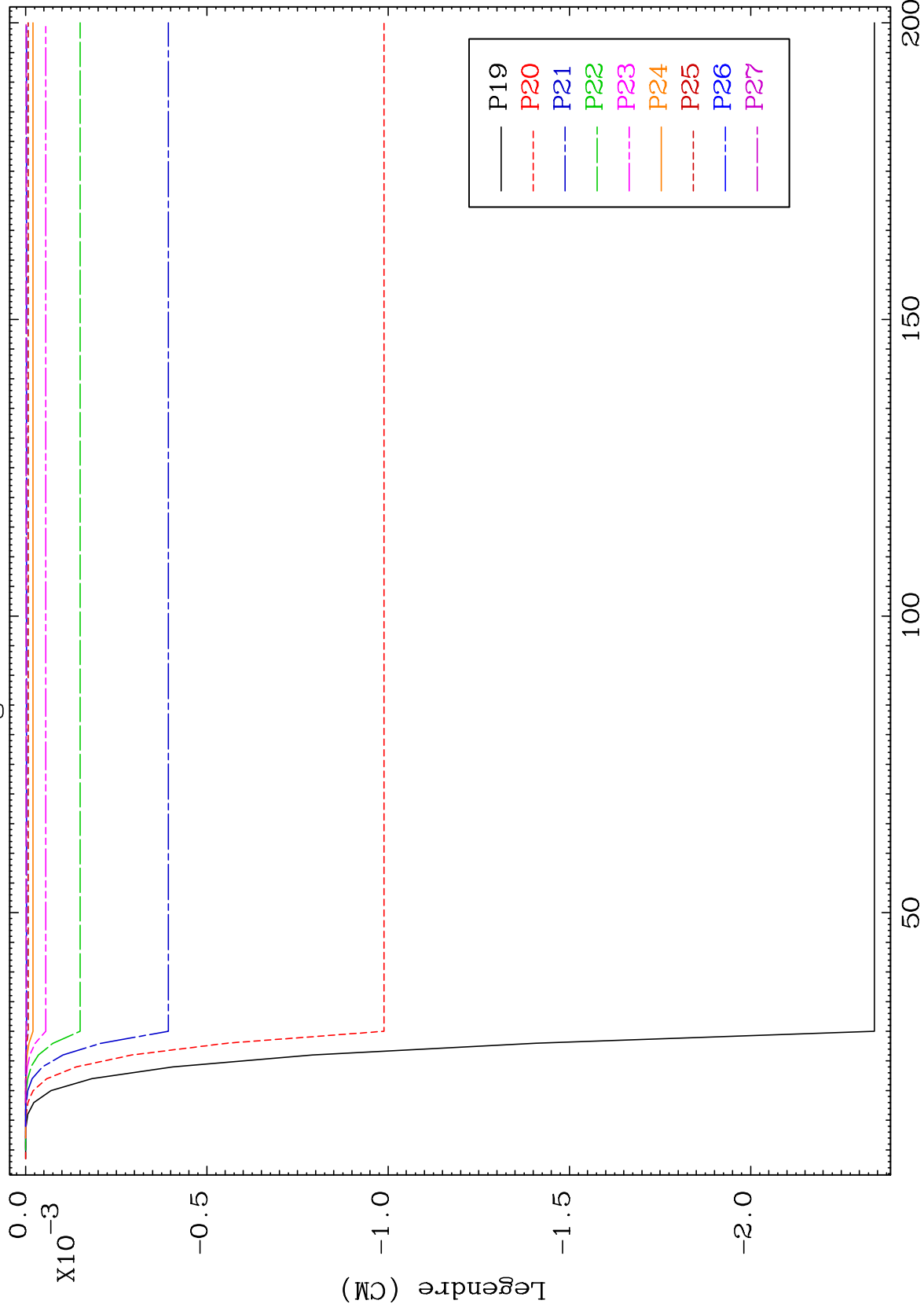
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

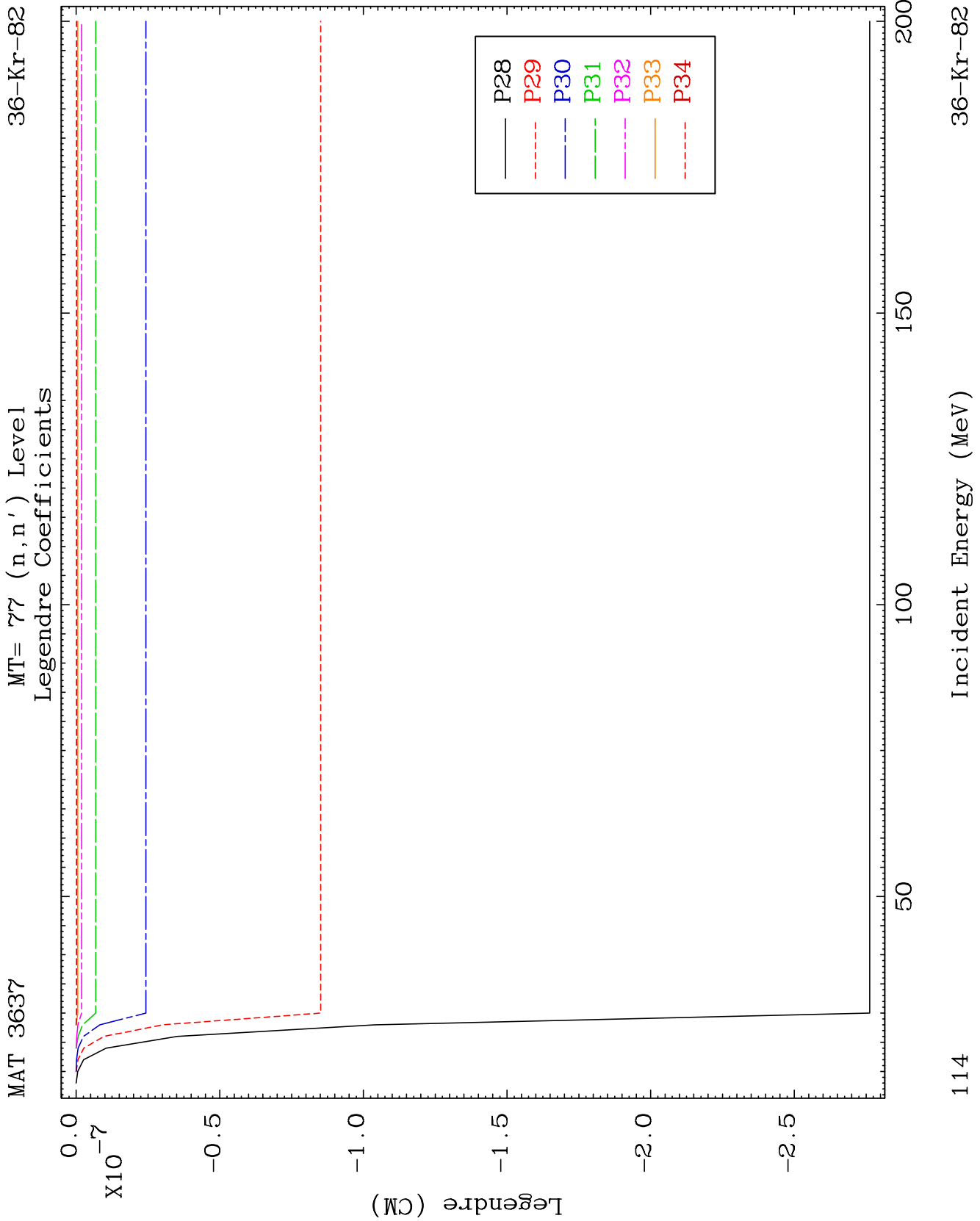
36-Kr-82



113

Incident Energy (MeV)

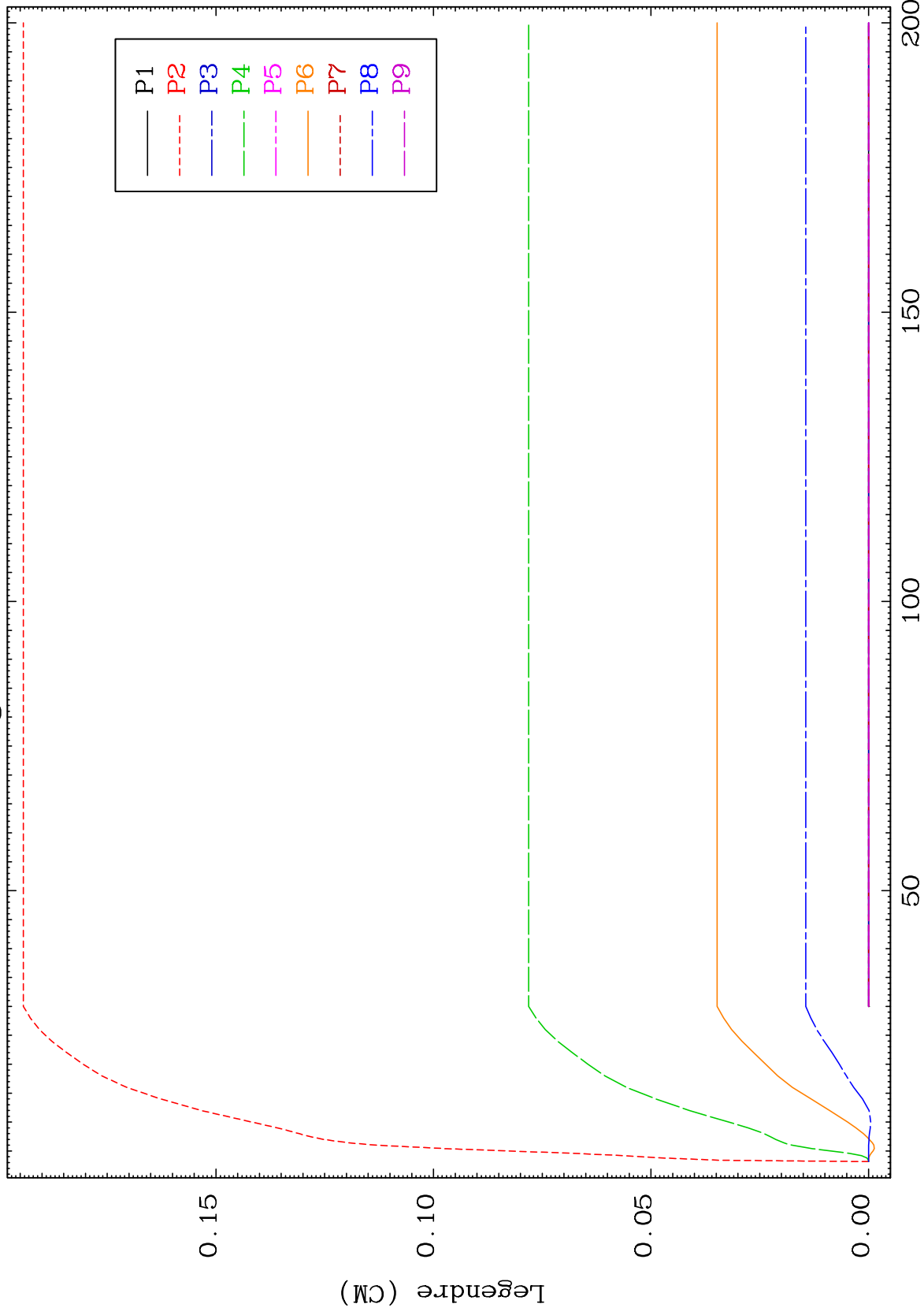
36-Kr-82



MAT 3637

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

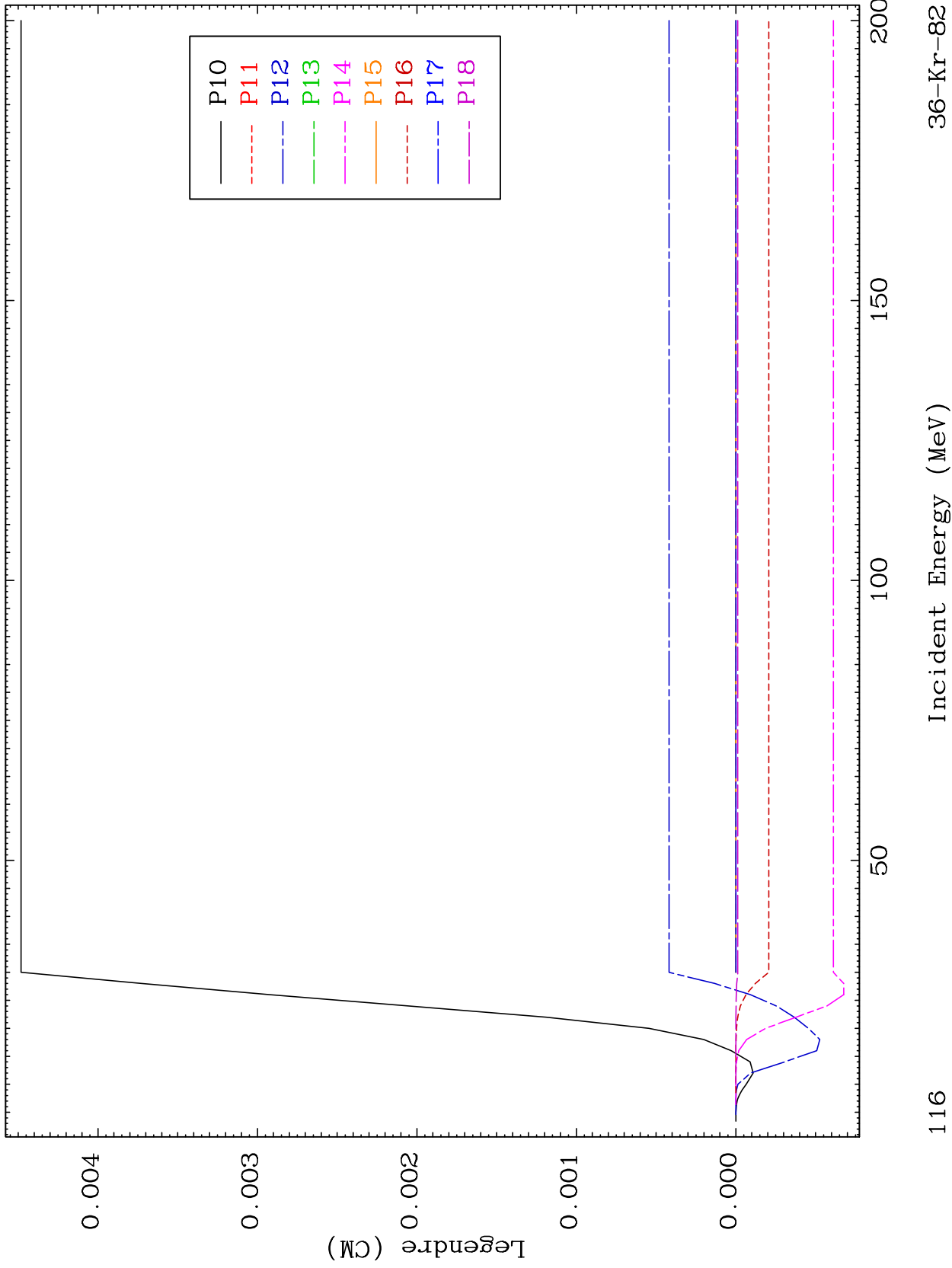
36-Kr-82



115

Incident Energy (MeV)

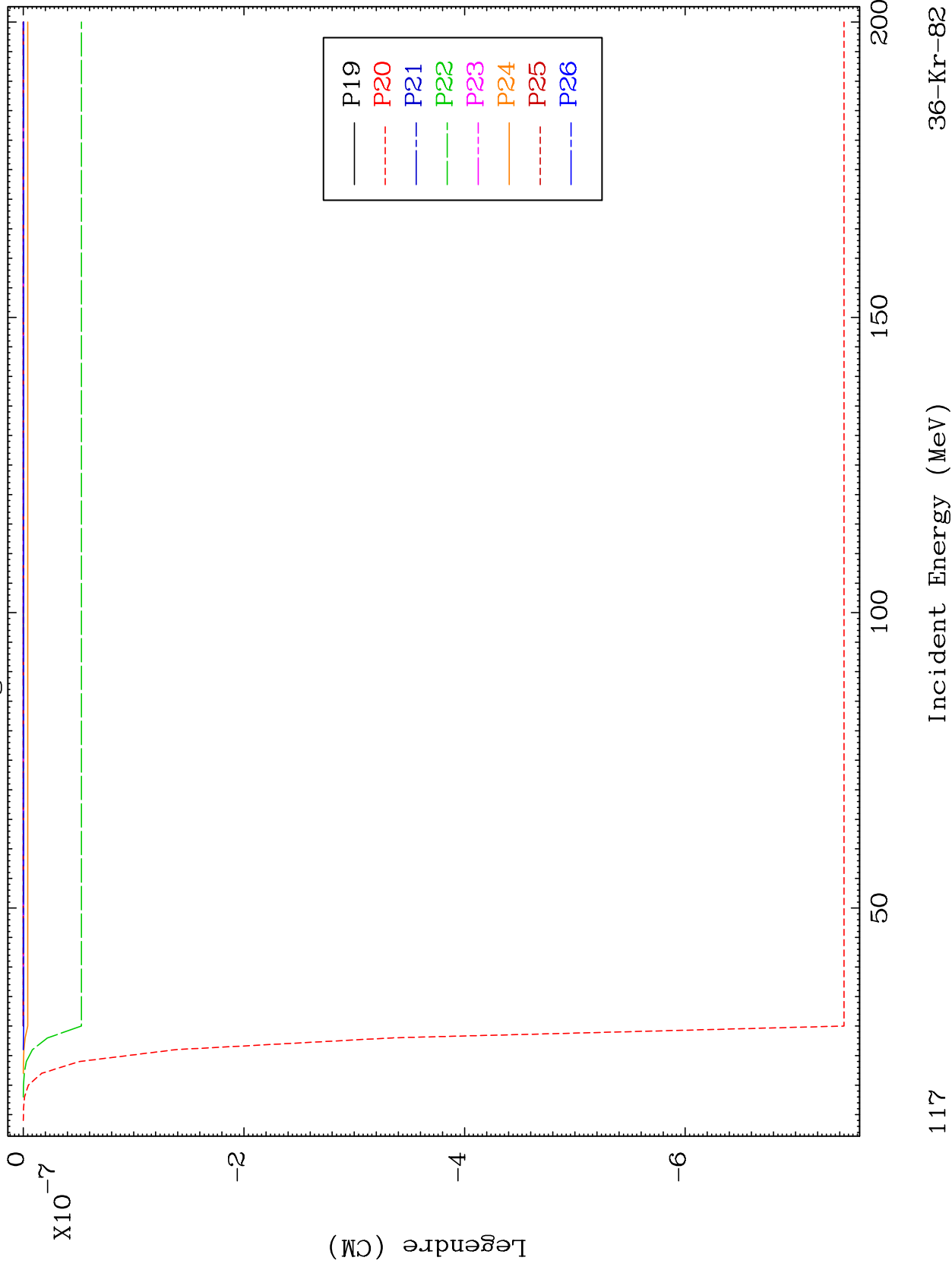
36-Kr-82



MAT 3637

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

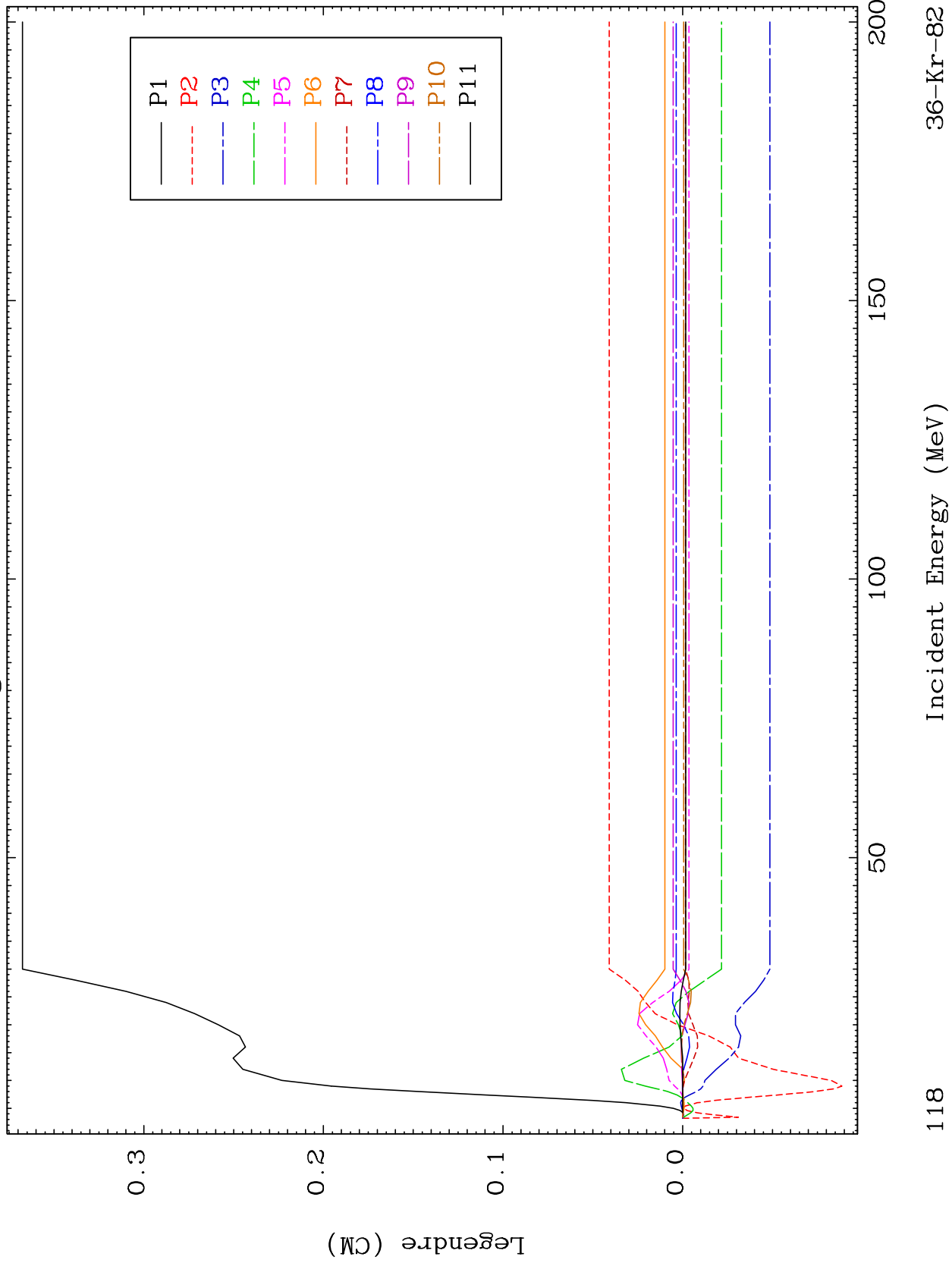
36-Kr-82



MAT 3637

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

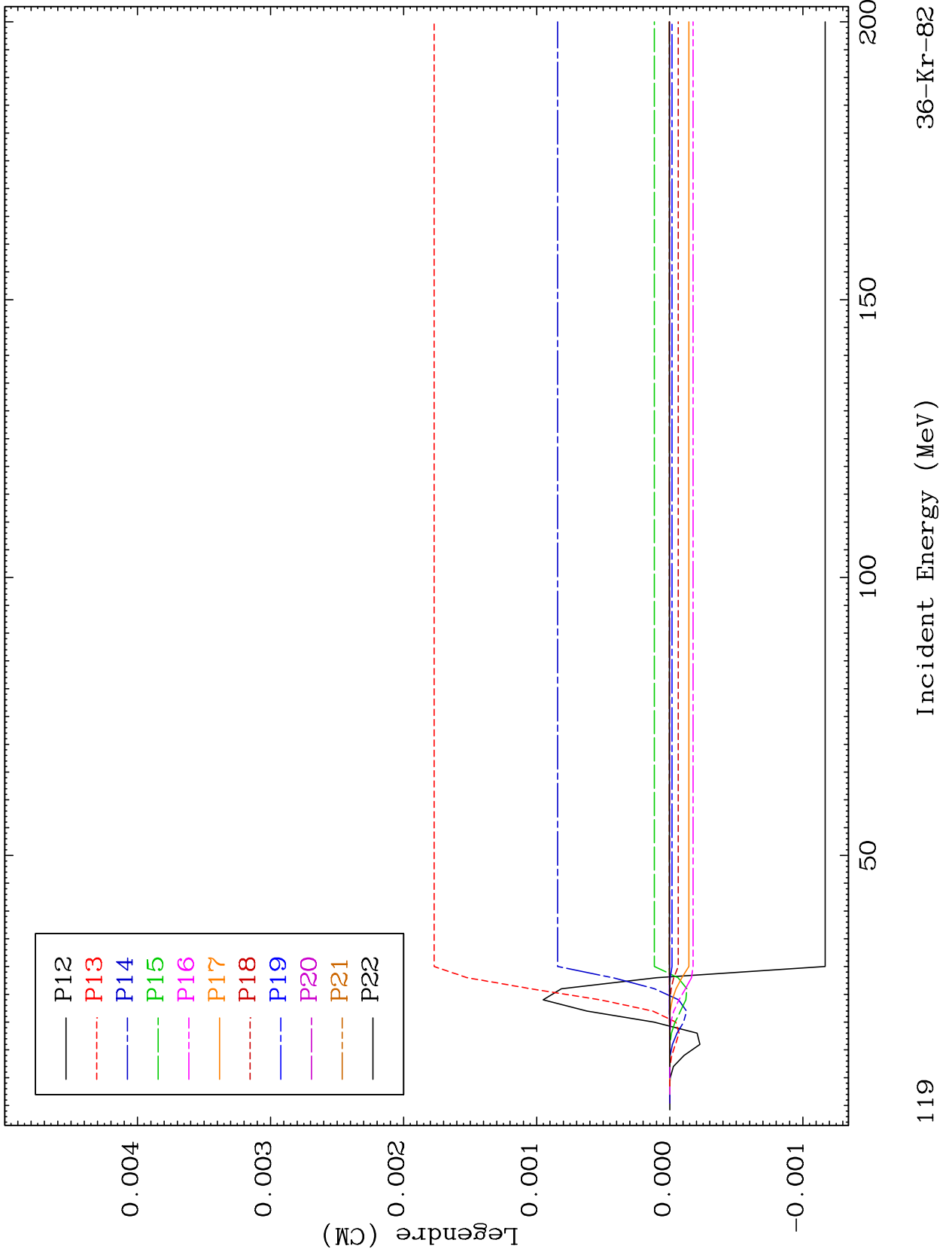
36-Kr-82



118

Incident Energy (MeV)

36-Kr-82

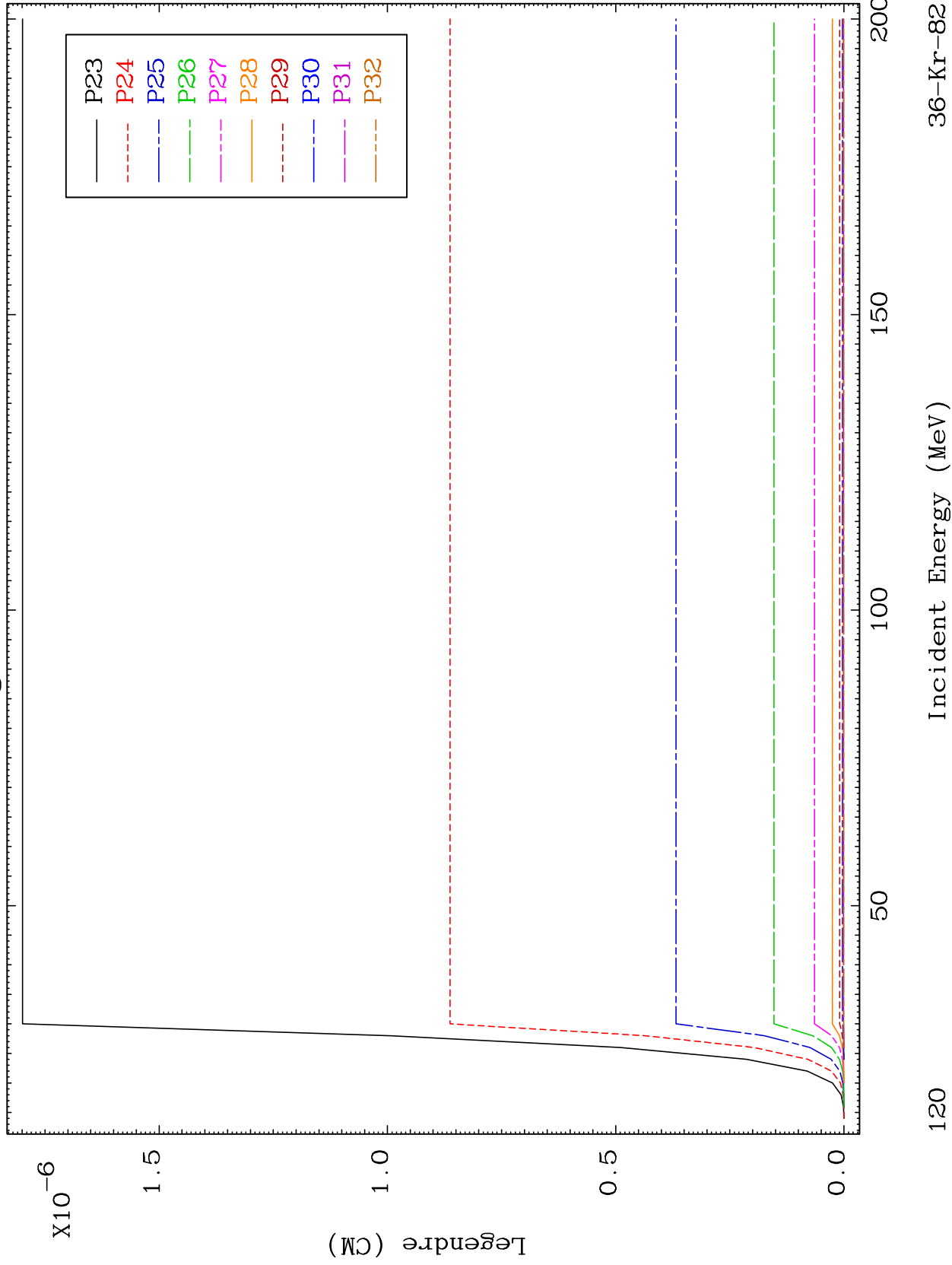




MAT 3637

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

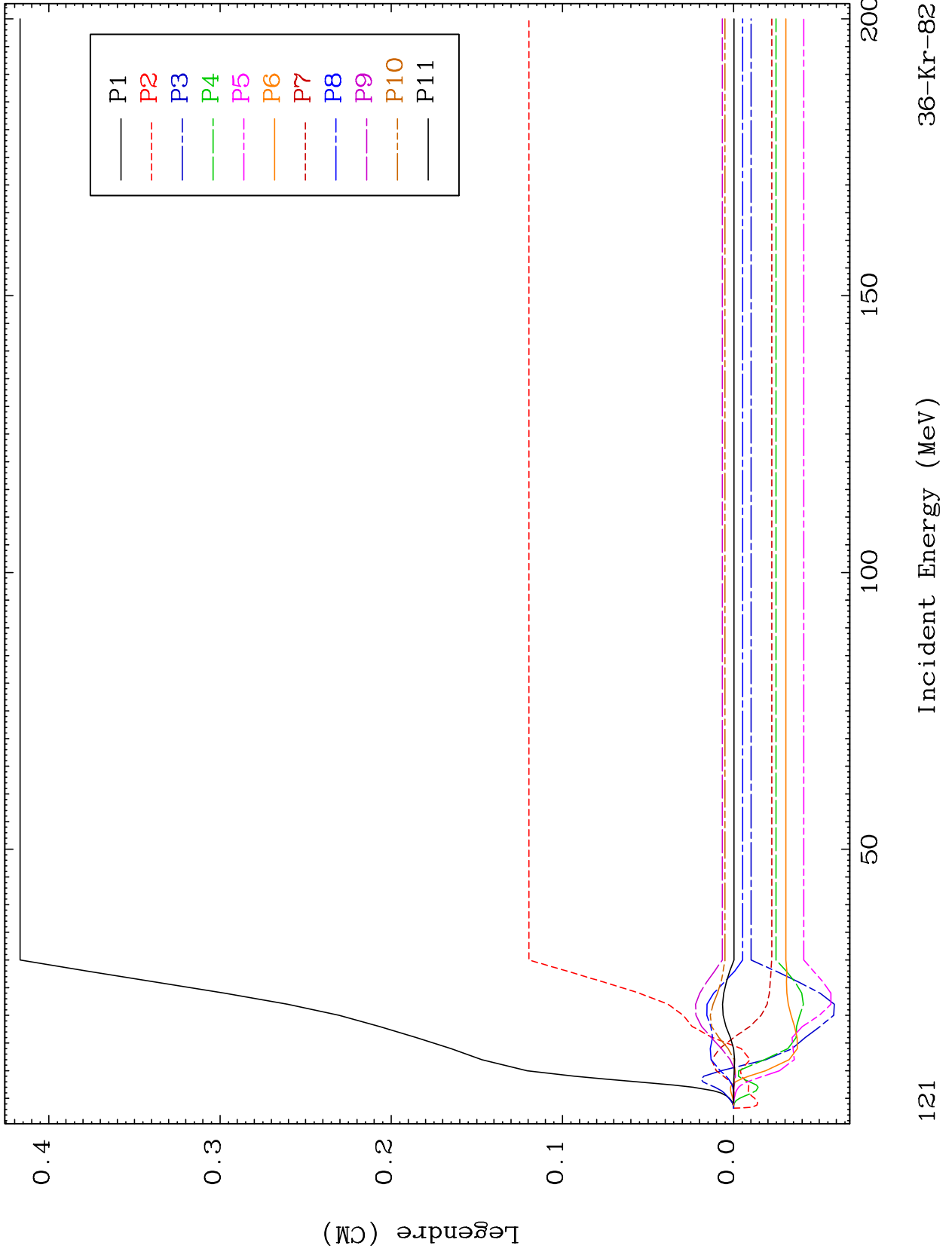
36-Kr-82



MAT 3637

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

36-Kr-82



121

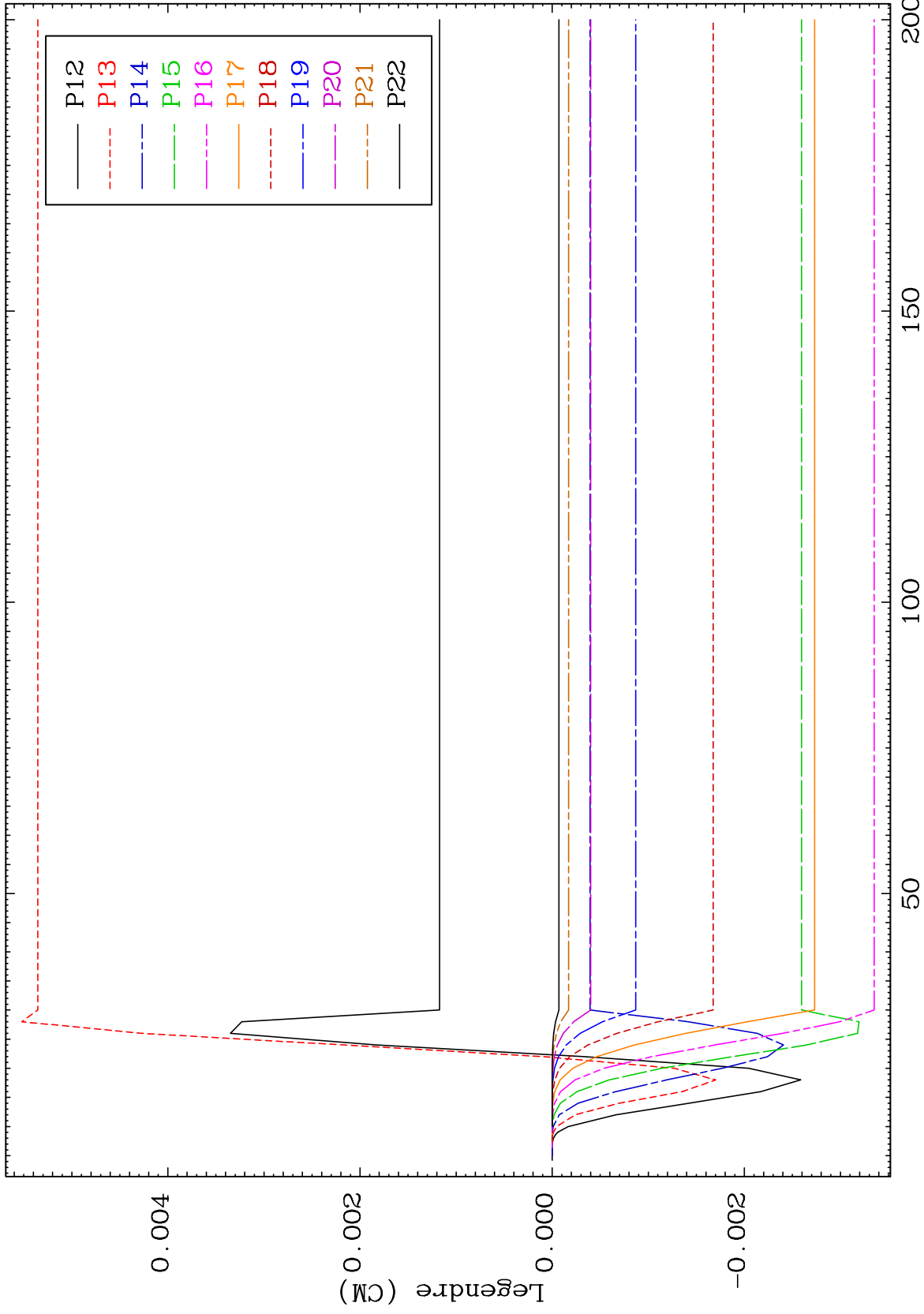
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



122

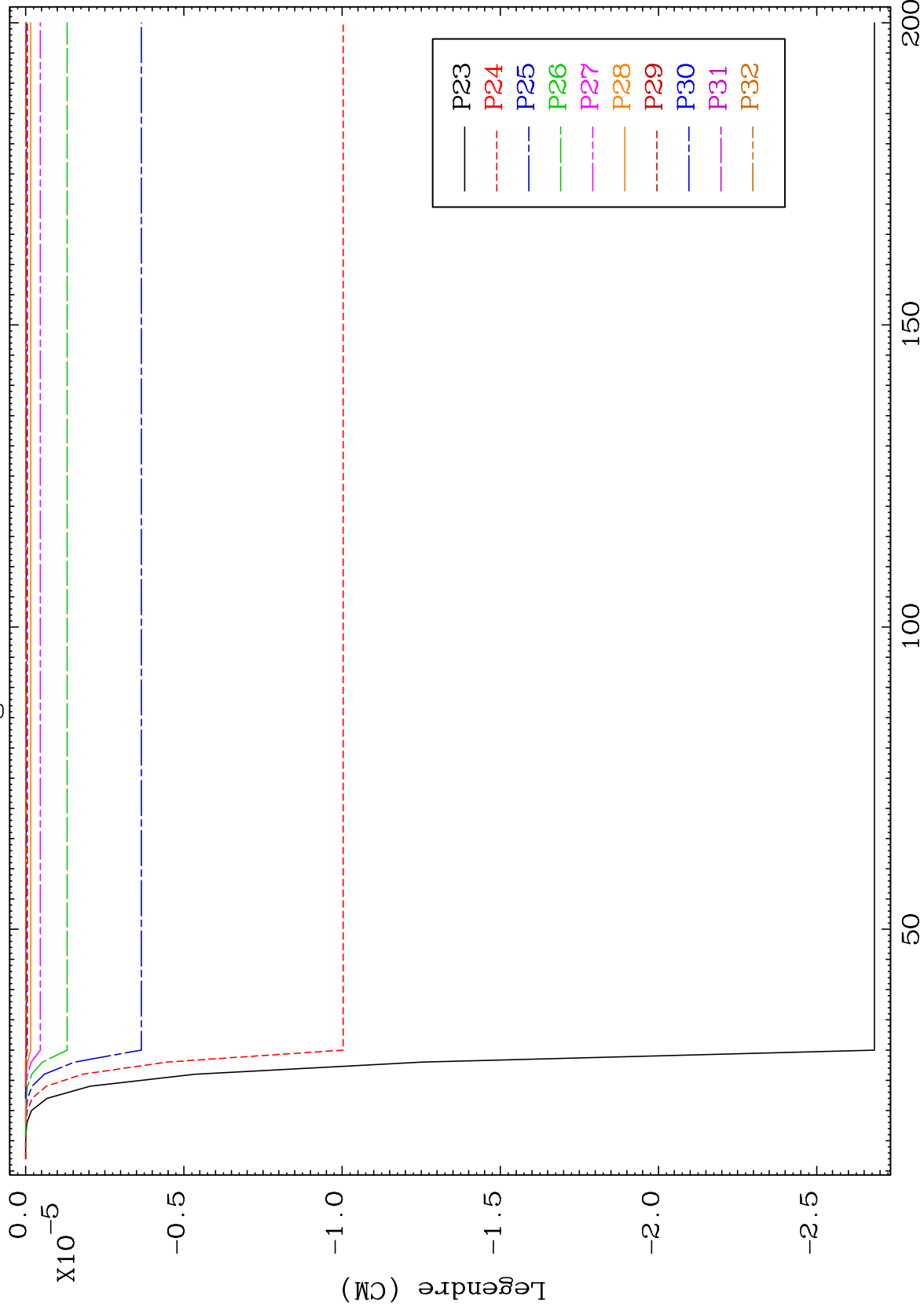
Incident Energy (MeV)

36-Kr-82

MAT 3637

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

36-Kr-82



123

Incident Energy (MeV)

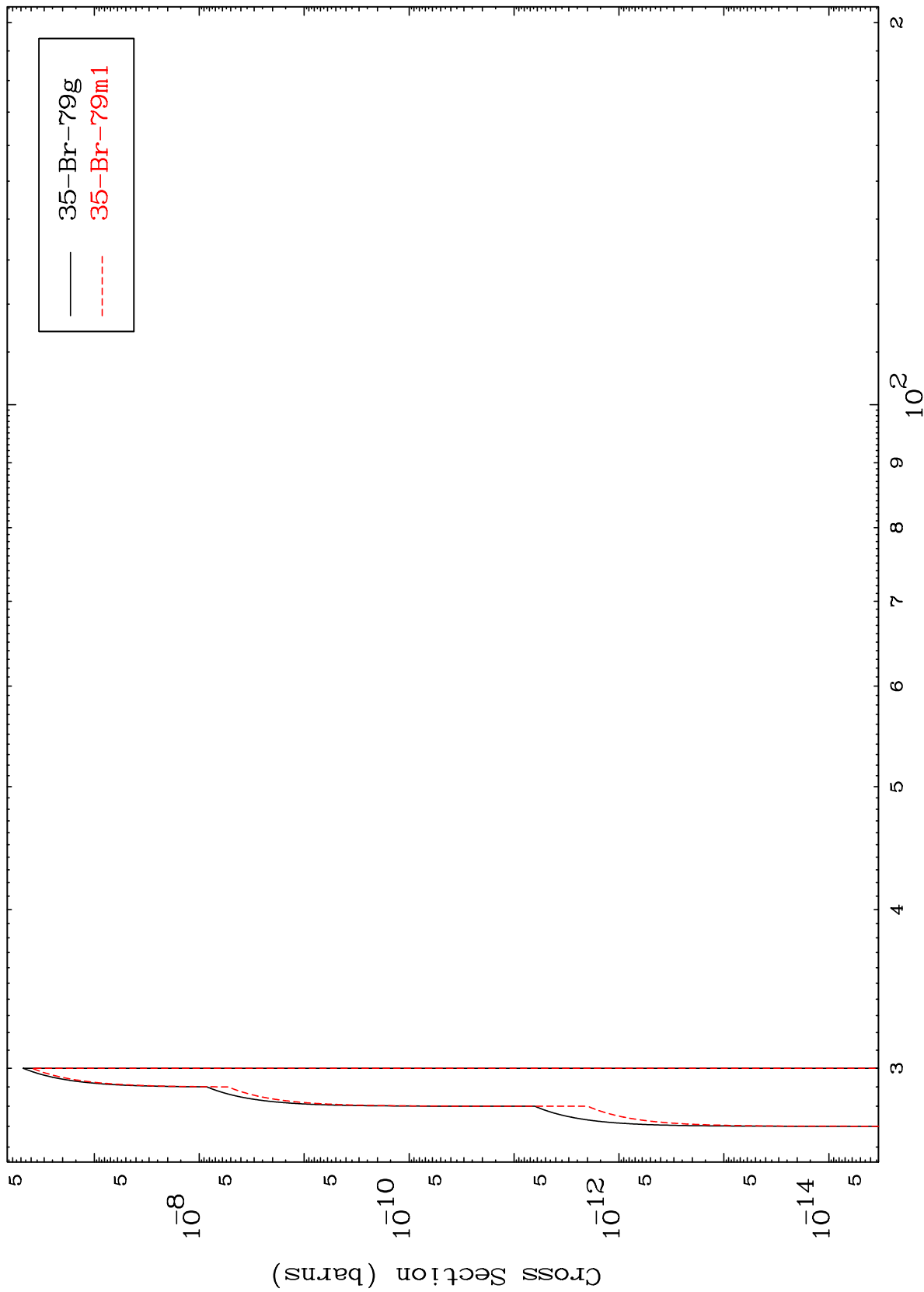
36-Kr-82

MAT 3637

(n,2n) d

36-Kr-82

Radionuclide Production Cross Section



124

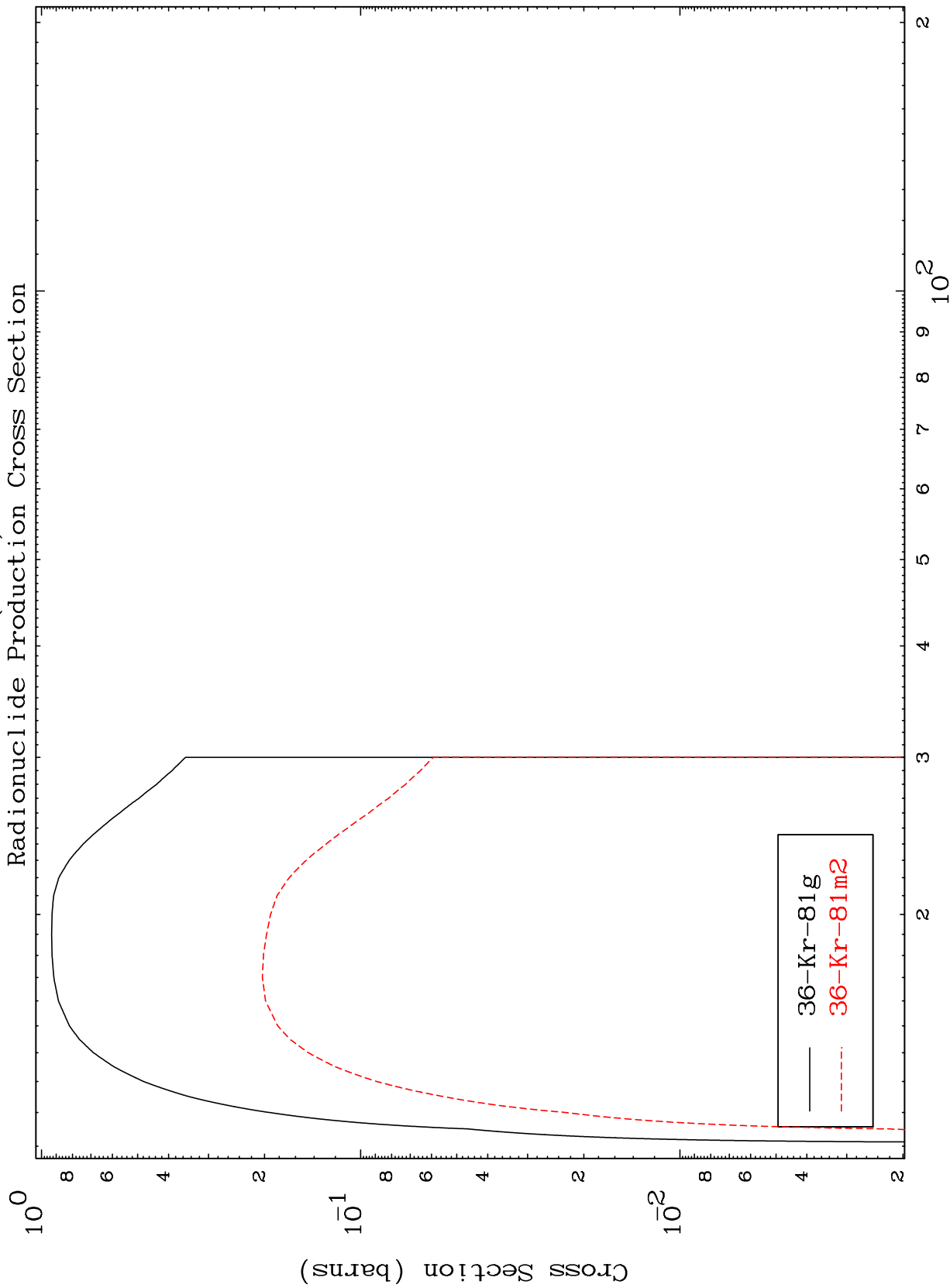
Incident Energy (MeV)

36-Kr-82

MAT 3637

36-Kr-82

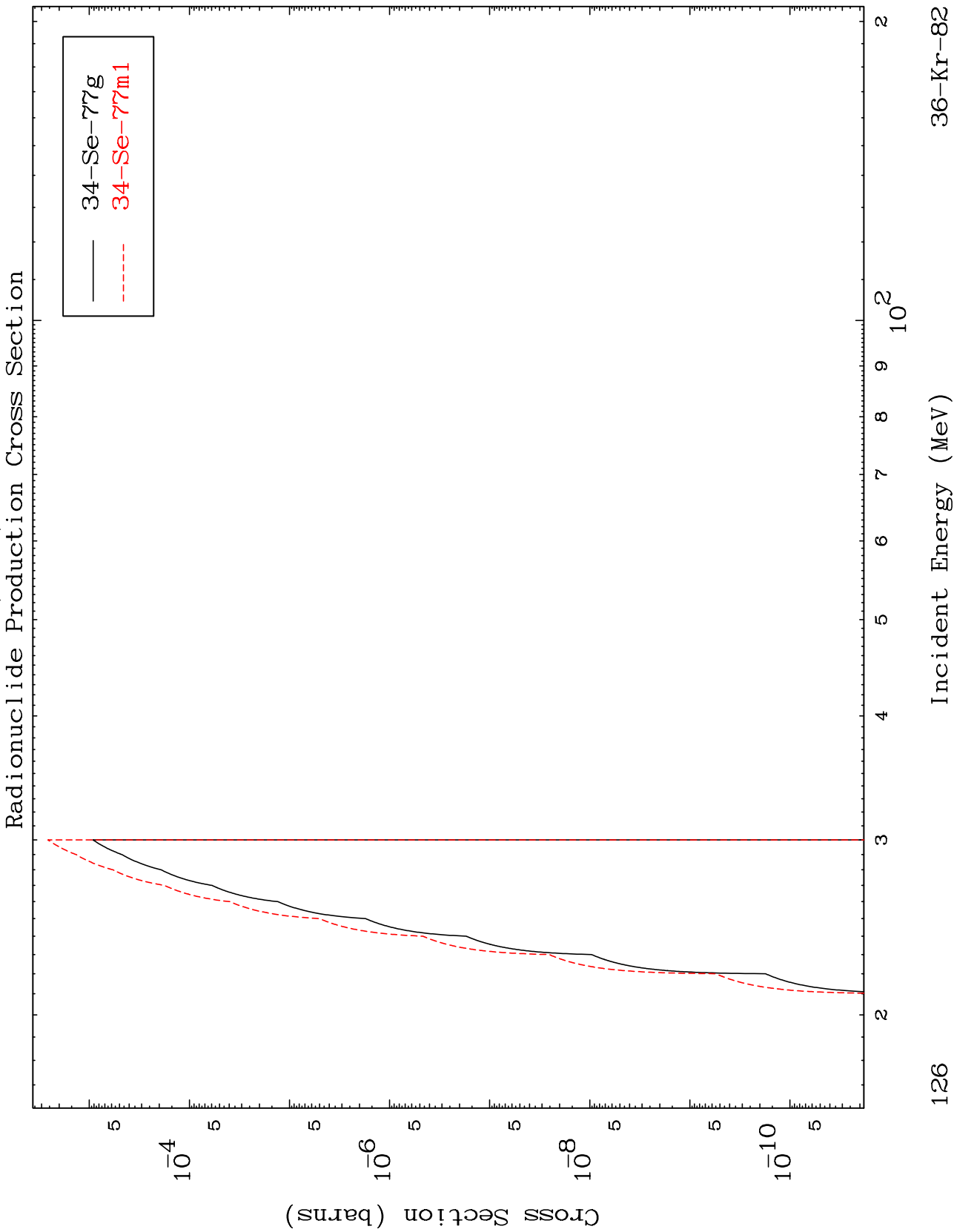
(n,2n)  
Radionuclide Production Cross Section



125

Incident Energy (MeV)

36-Kr-82

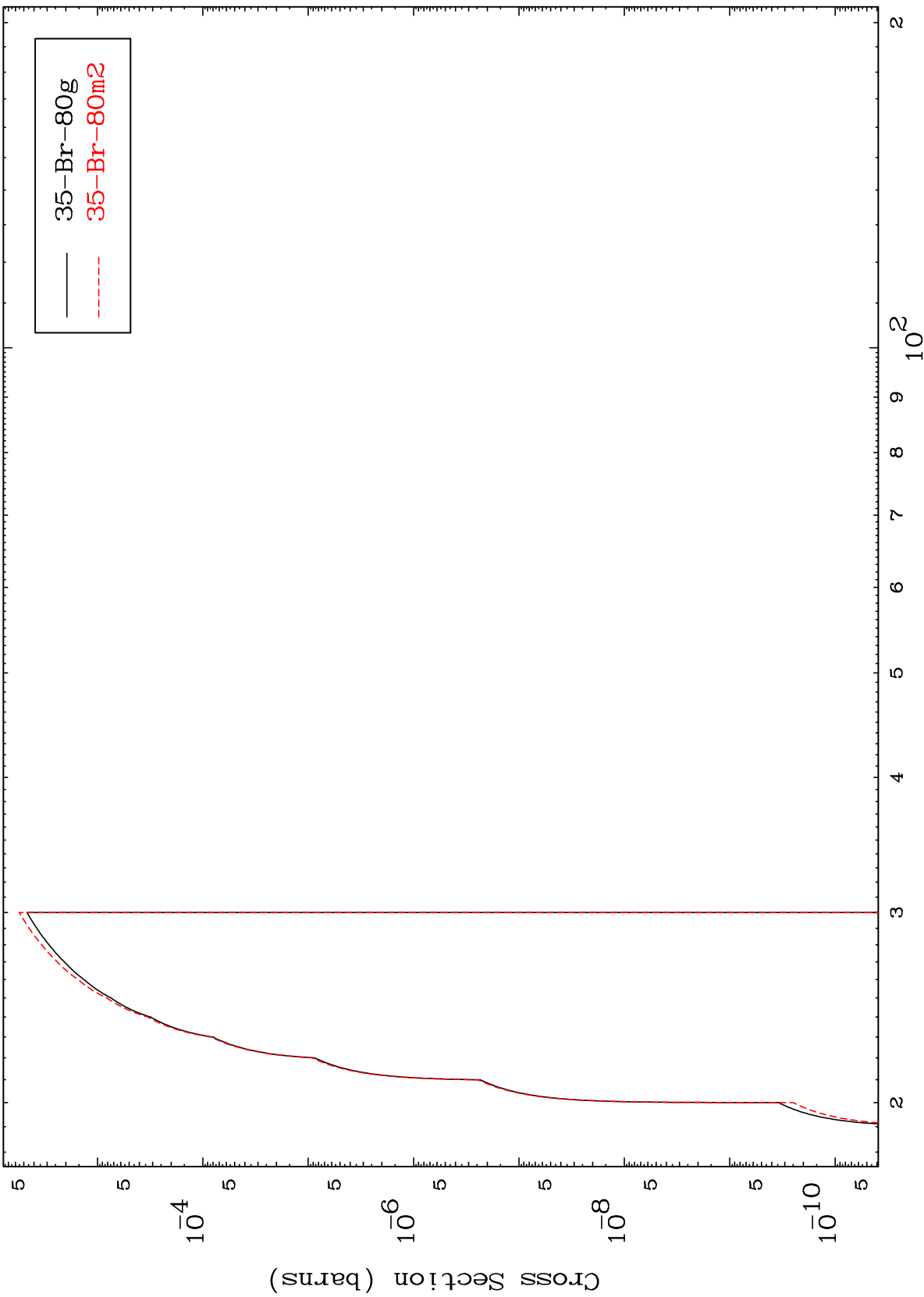


MAT 3637

(n,n') d

36-Kr-82

Radionuclide Production Cross Section



127

Incident Energy (MeV)

36-Kr-82

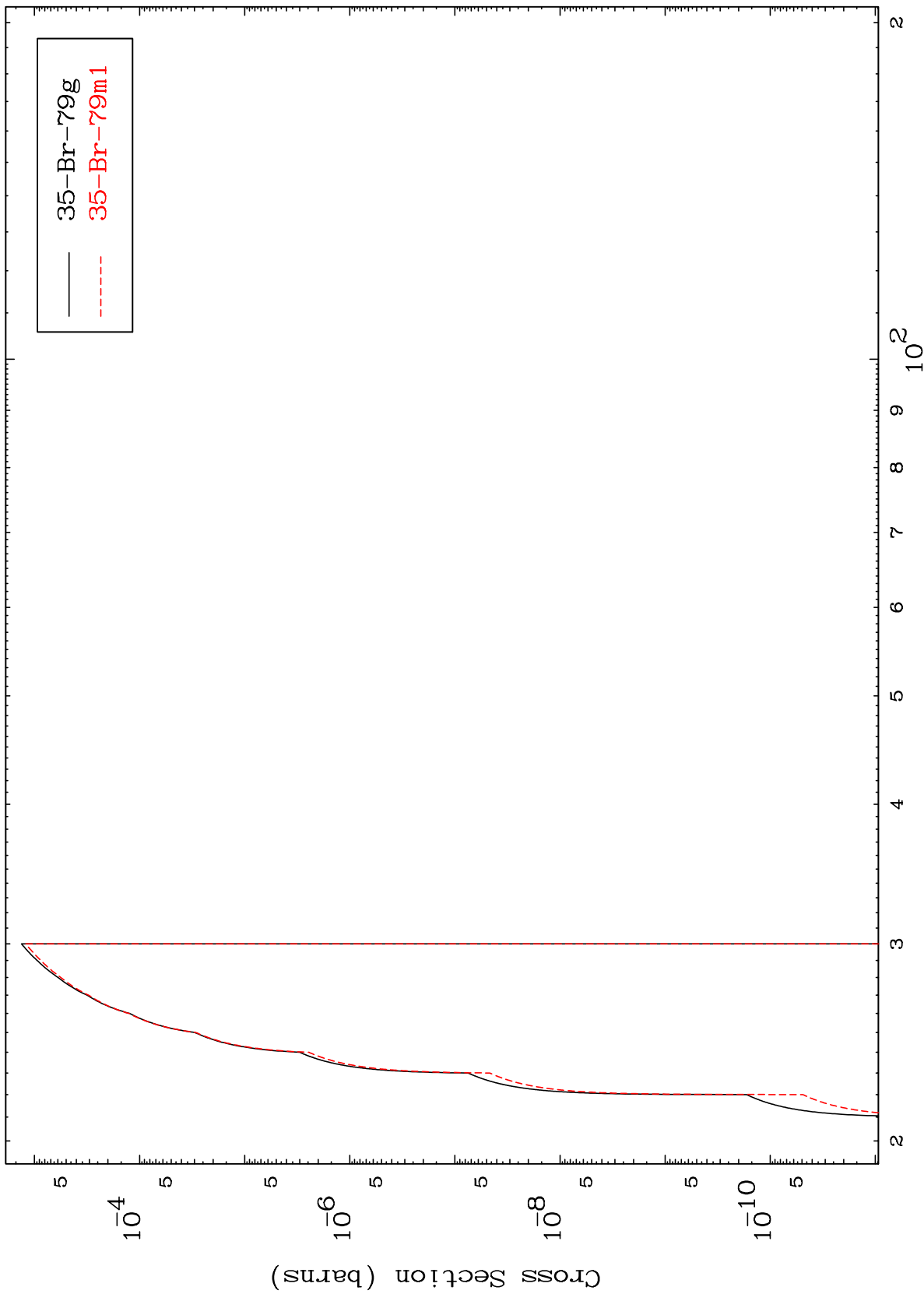


MAT 3637

(n,n') t

36-Kr-82

Radionuclide Production Cross Section

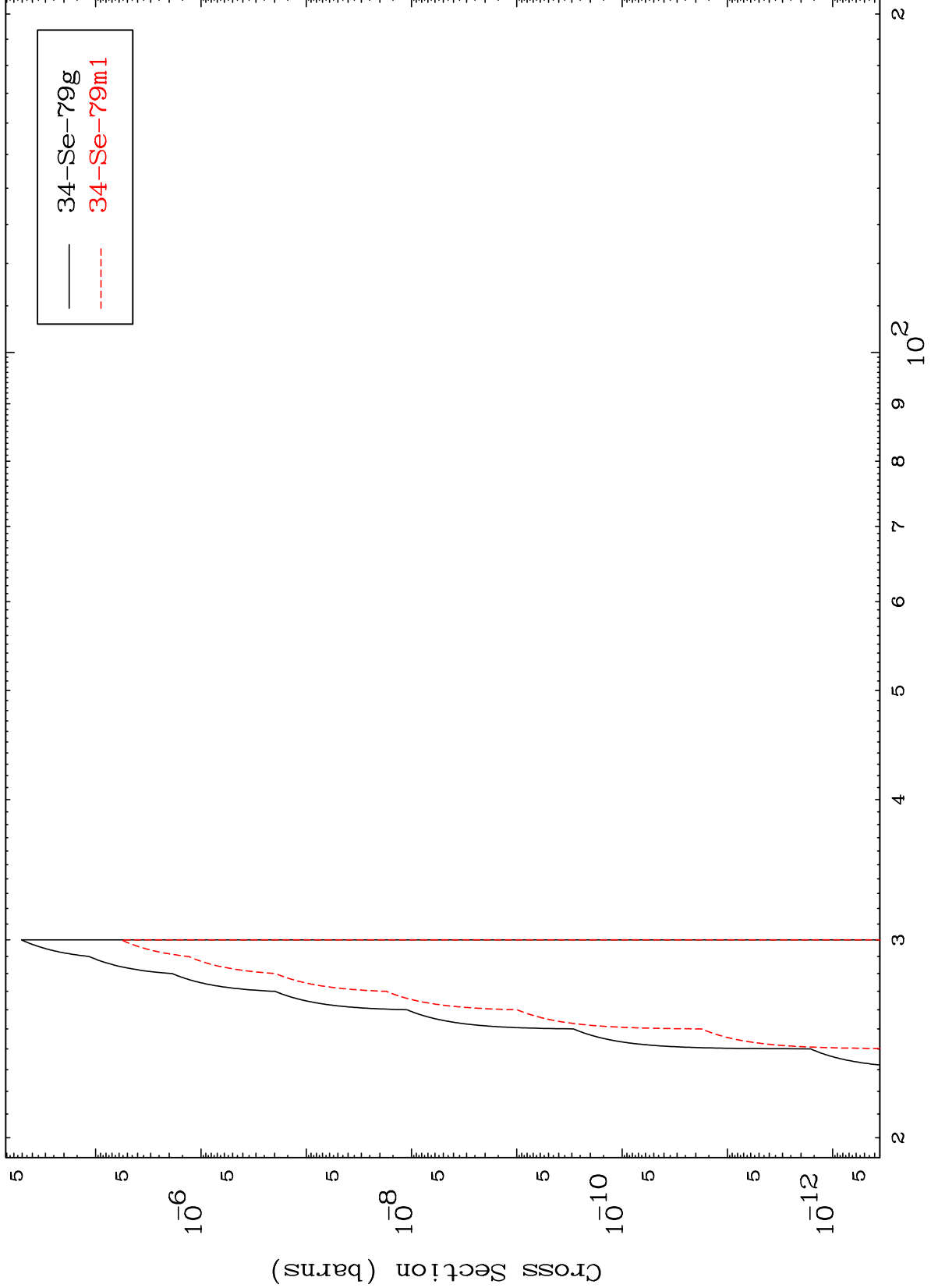


128

Incident Energy (MeV)

36-Kr-82

Radionuclide Production Cross Section

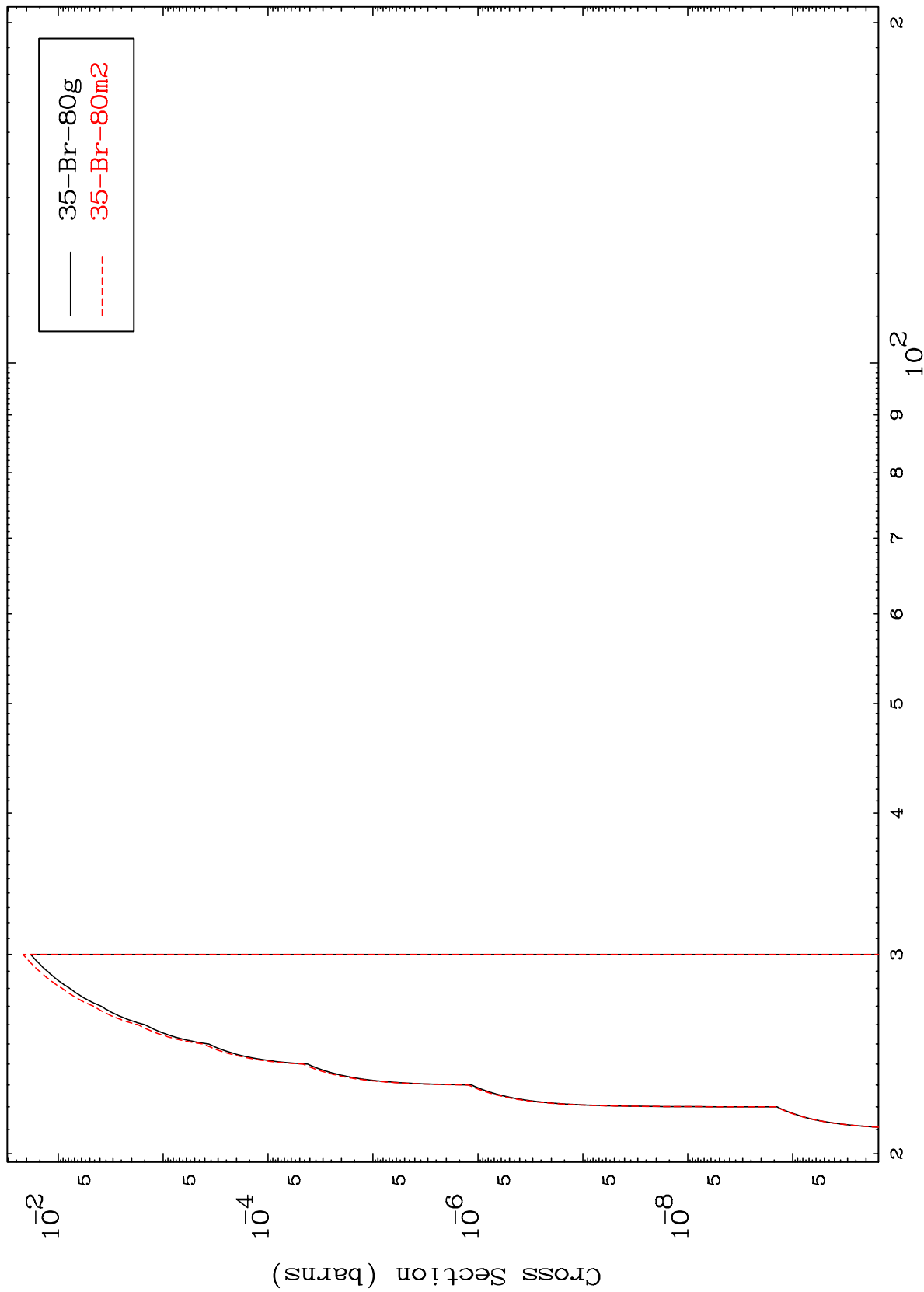


MAT 3637

(n,2n) p

36-Kr-82

Radionuclide Production Cross Section



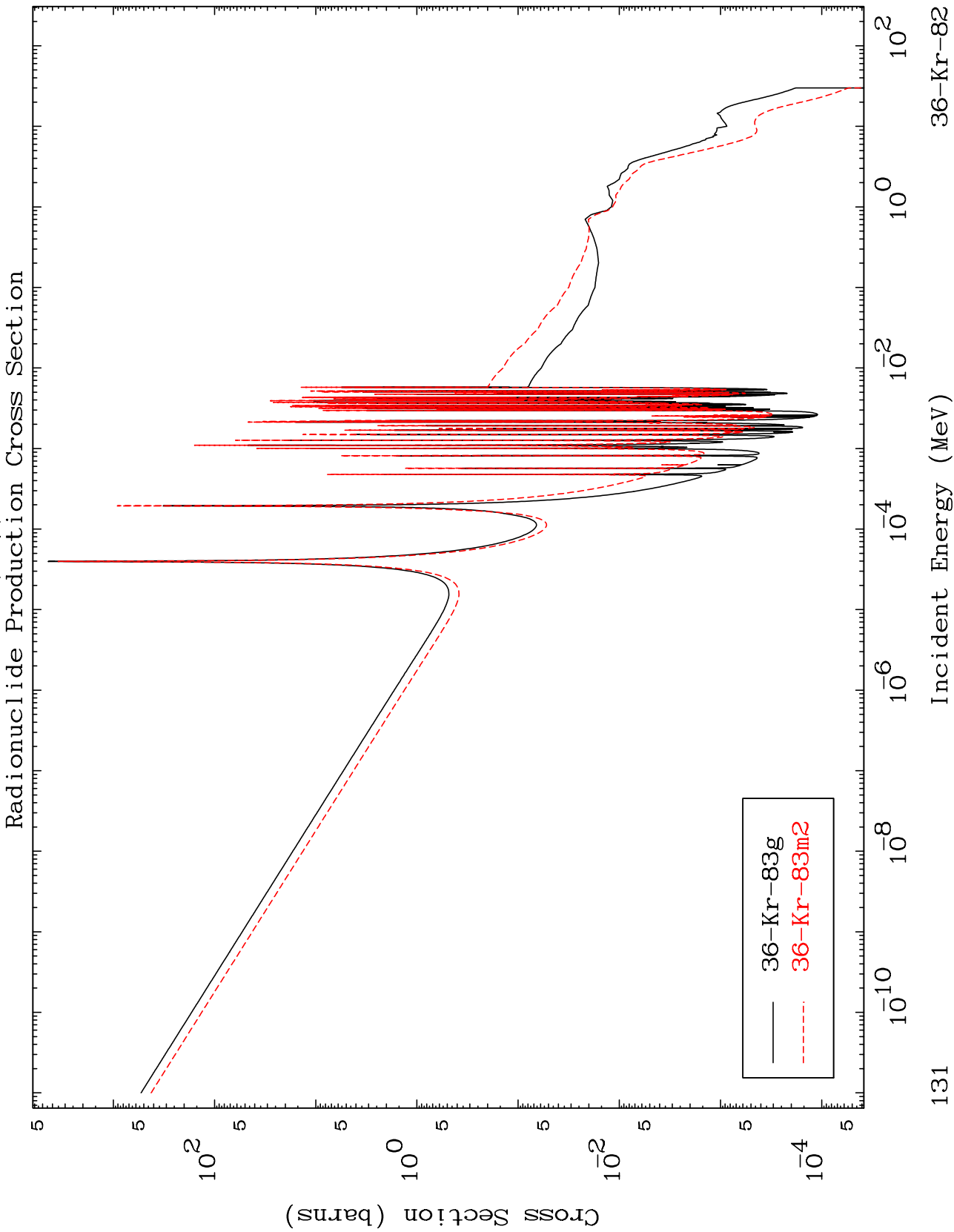
130

Incident Energy (MeV)

36-Kr-82

MAT 3637

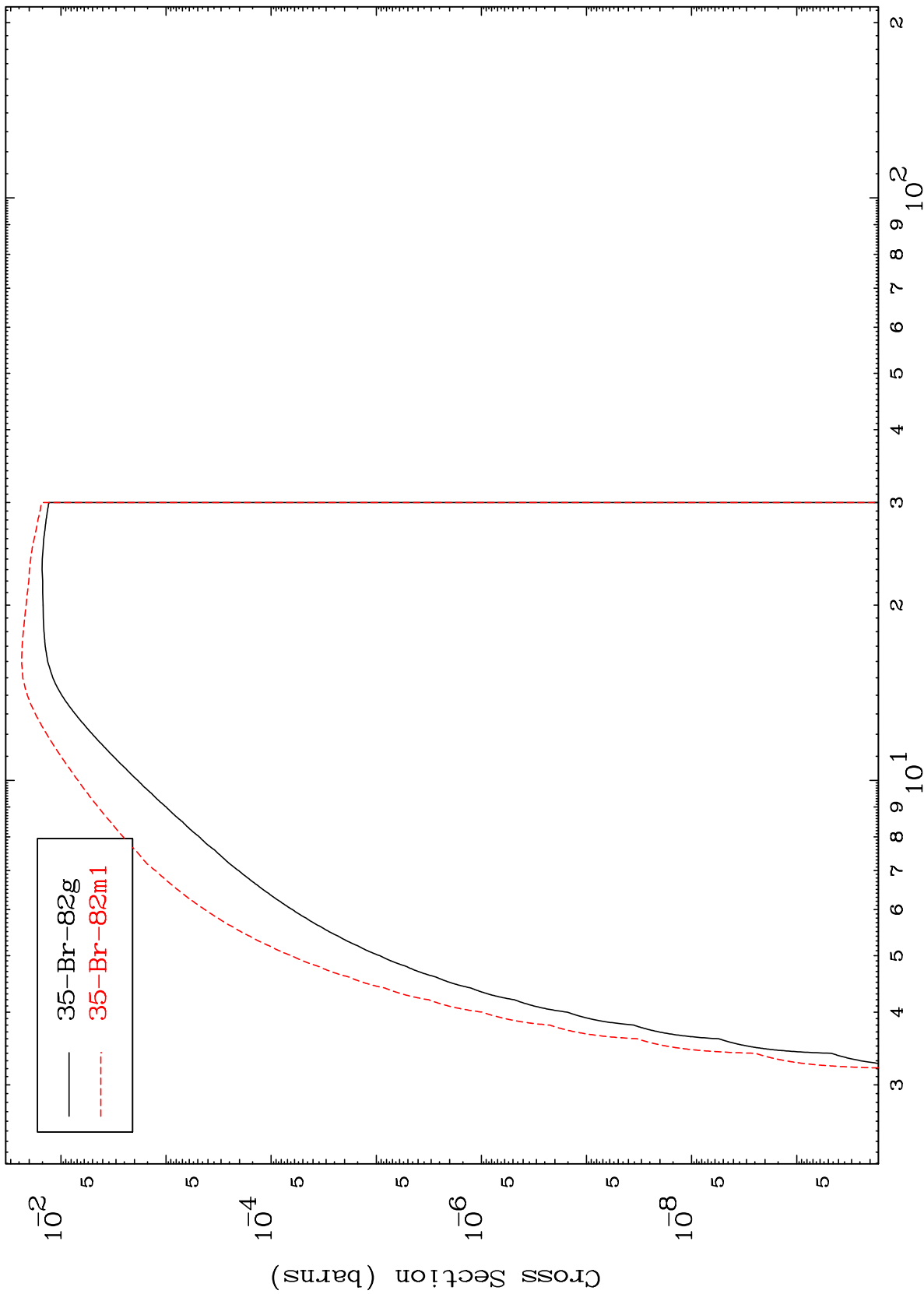
36-Kr-82



MAT 3637

36-Kr-82

(n,p)  
Radionuclide Production Cross Section



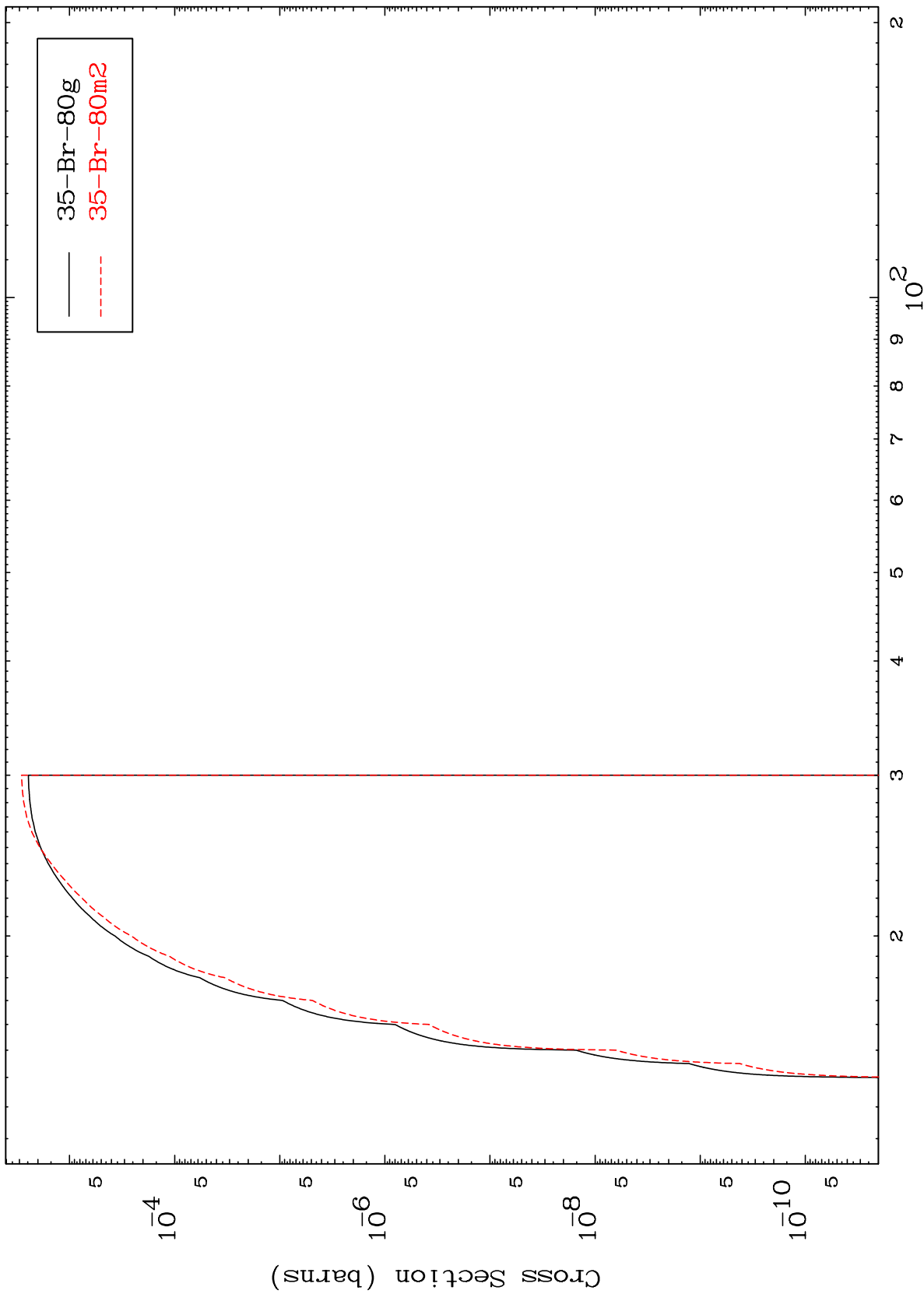
— 35-Br-82g  
- - - 35-Br-82m1

36-Kr-82

Incident Energy (MeV)

132

(n,t)  
Radionuclide Production Cross Section

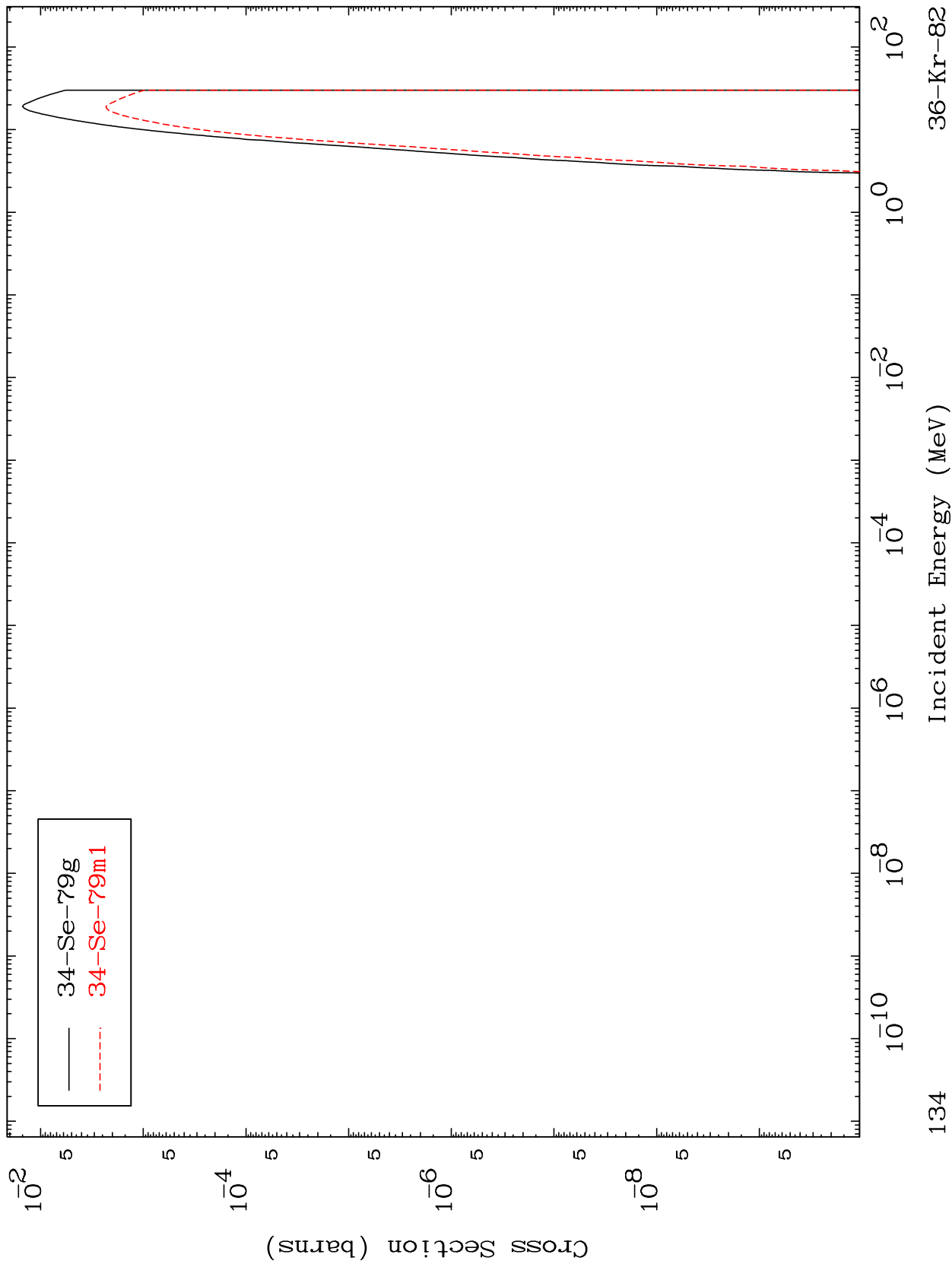


35-Br-80g  
35-Br-80m2

MAT 3637

36-Kr-82

Radionuclide Production Cross Section



— 34-Se-79g  
- - - 34-Se-79m1

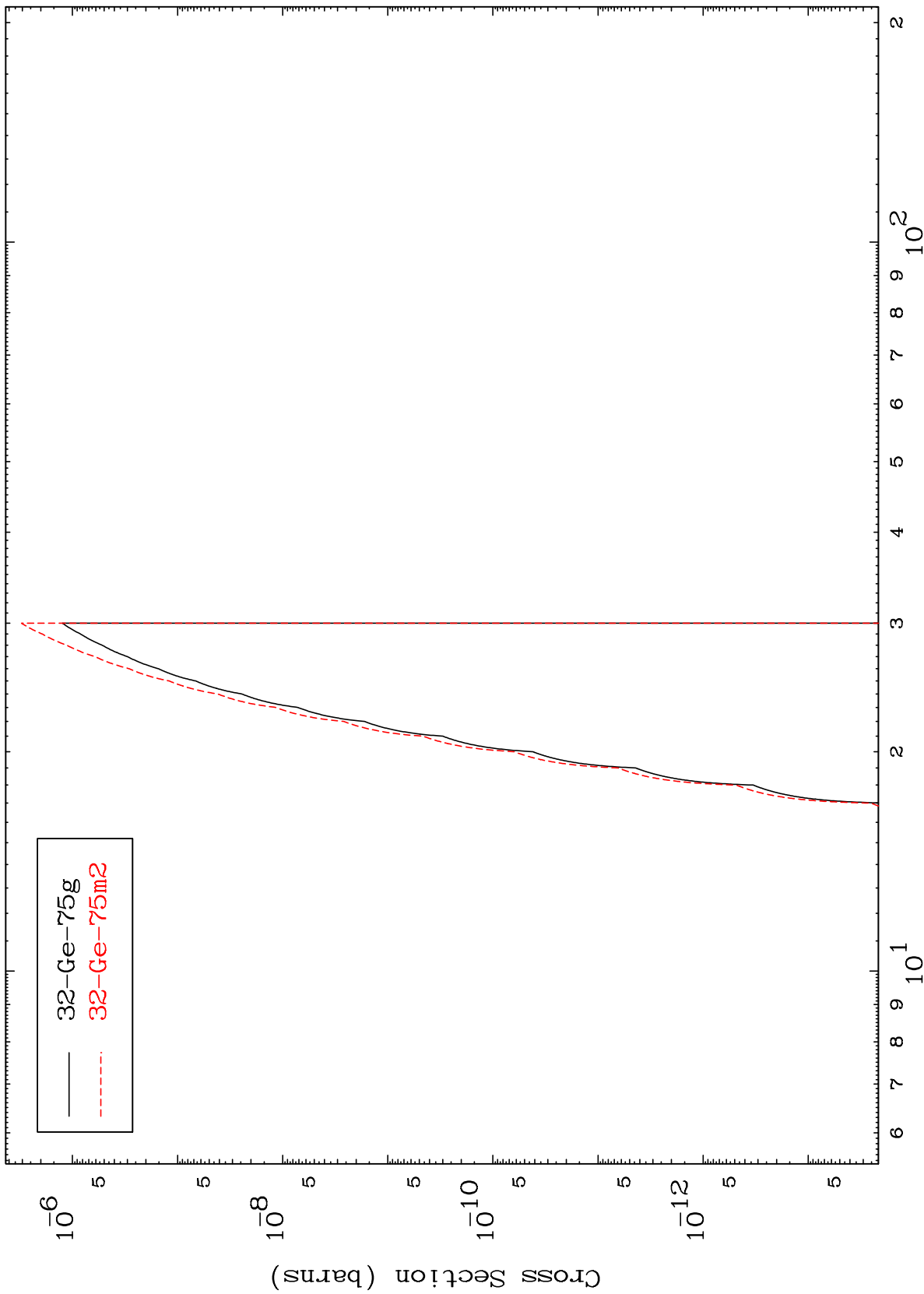
134

36-Kr-82

MAT 3637

36-Kr-82

(n,2α)  
Radionuclide Production Cross Section



135

Incident Energy (MeV)

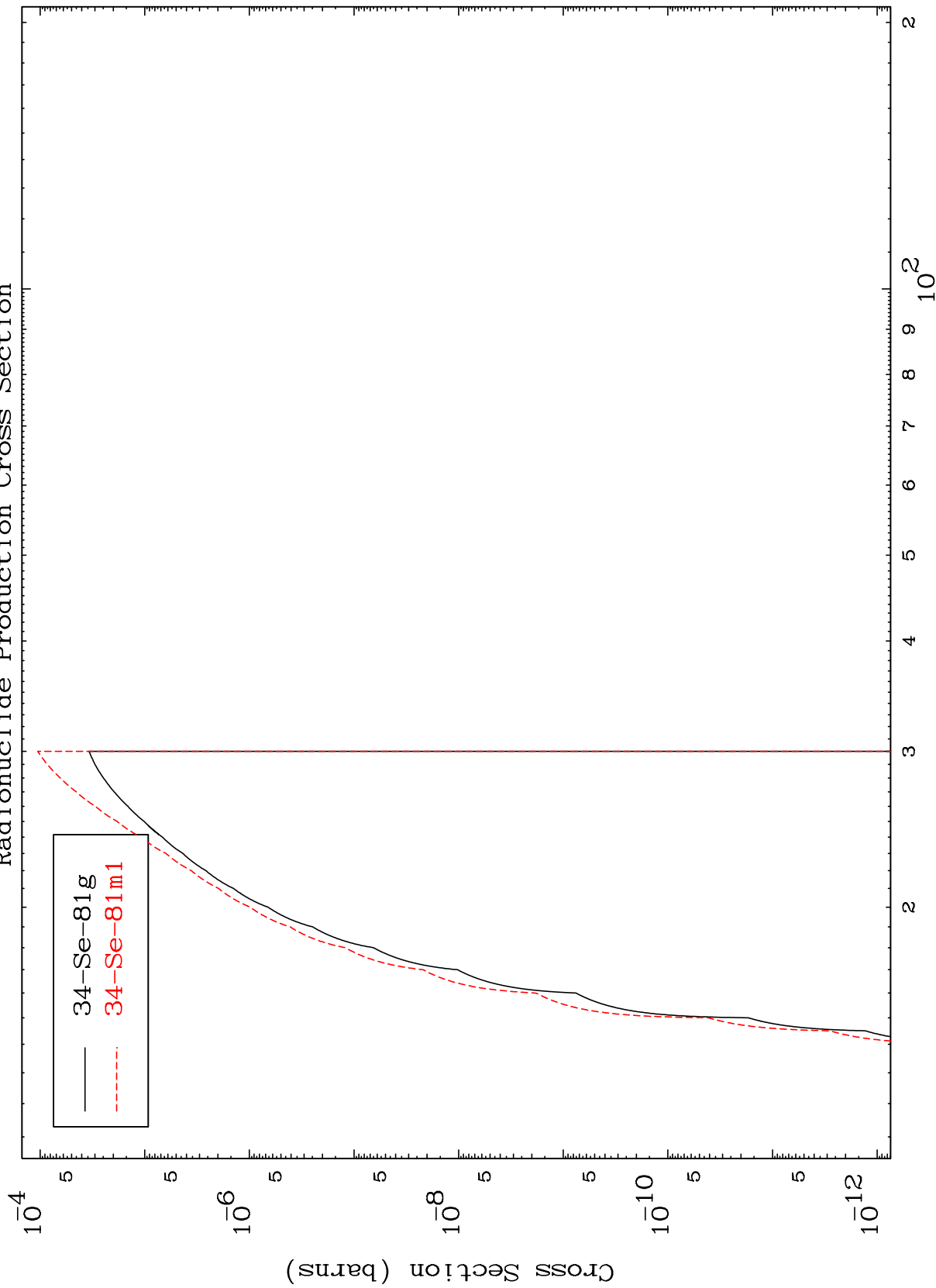
36-Kr-82



MAT 3637

36-Kr-82

(n,2p)  
Radionuclide Production Cross Section



Incident Energy (MeV)

36-Kr-82

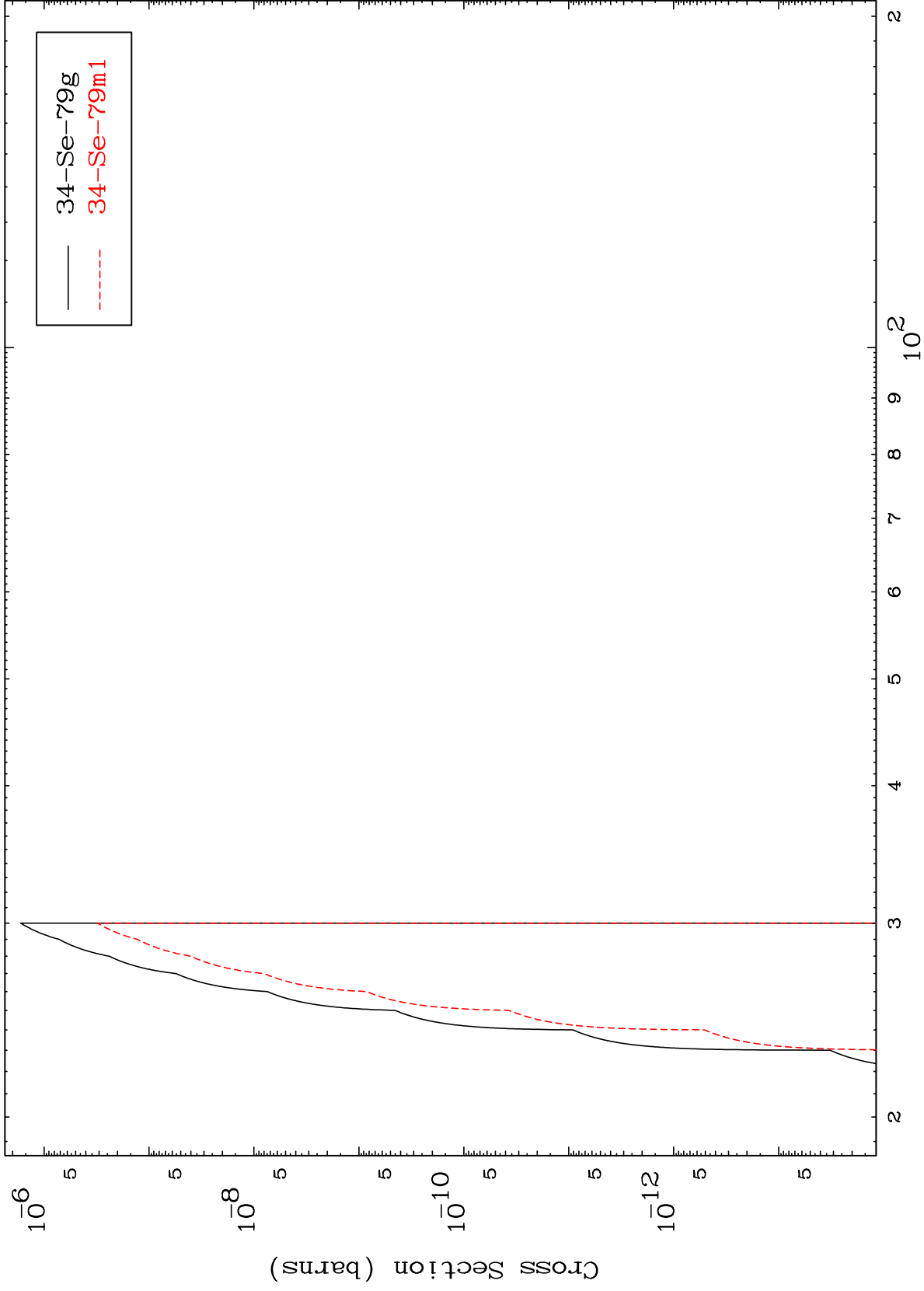
136

MAT 3637

(n,p) t

36-Kr-82

Radionuclide Production Cross Section



137

Incident Energy (MeV)

36-Kr-82