

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

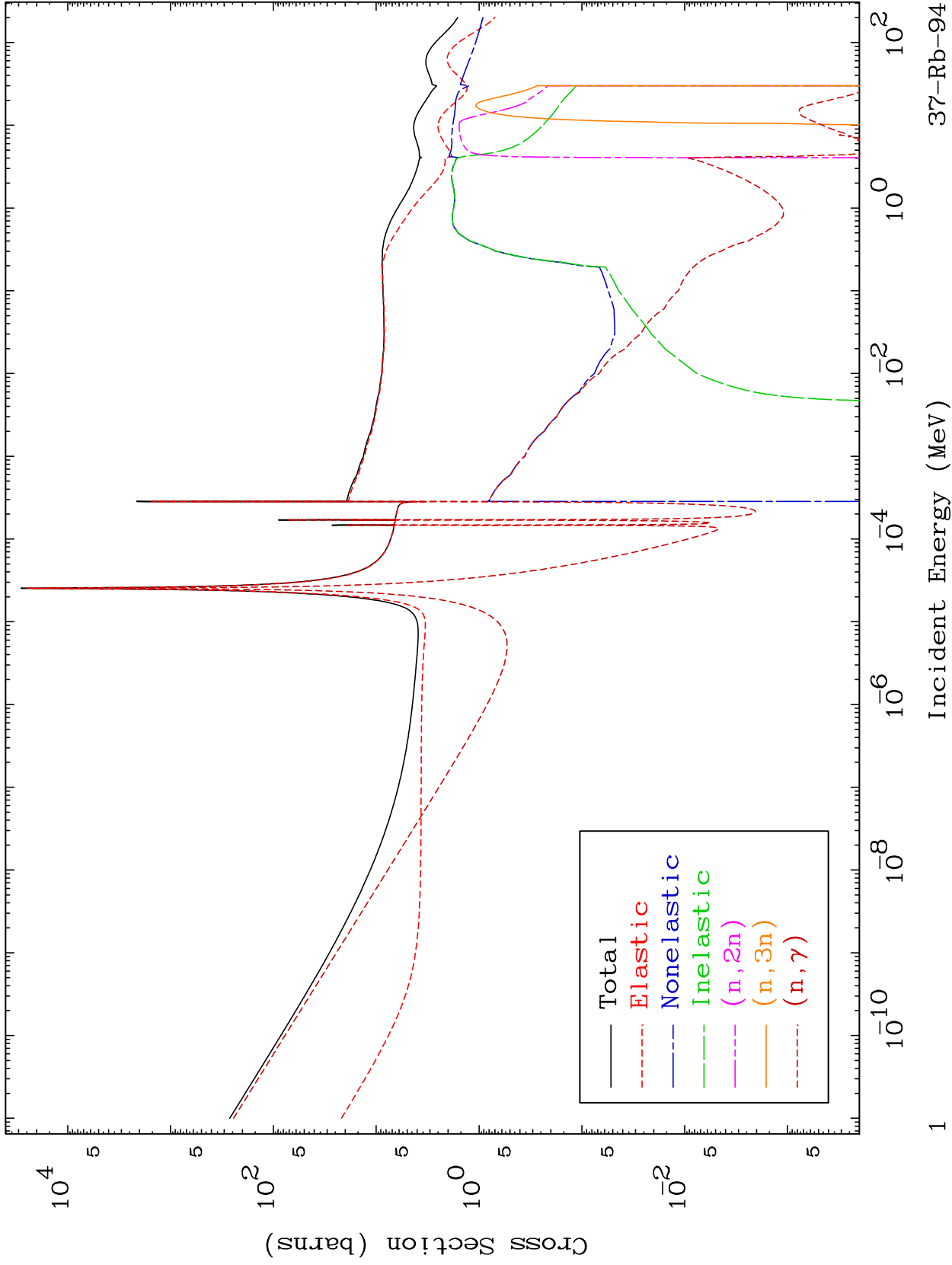
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3752

Neutron Major  
293 Kelvin Cross Sections

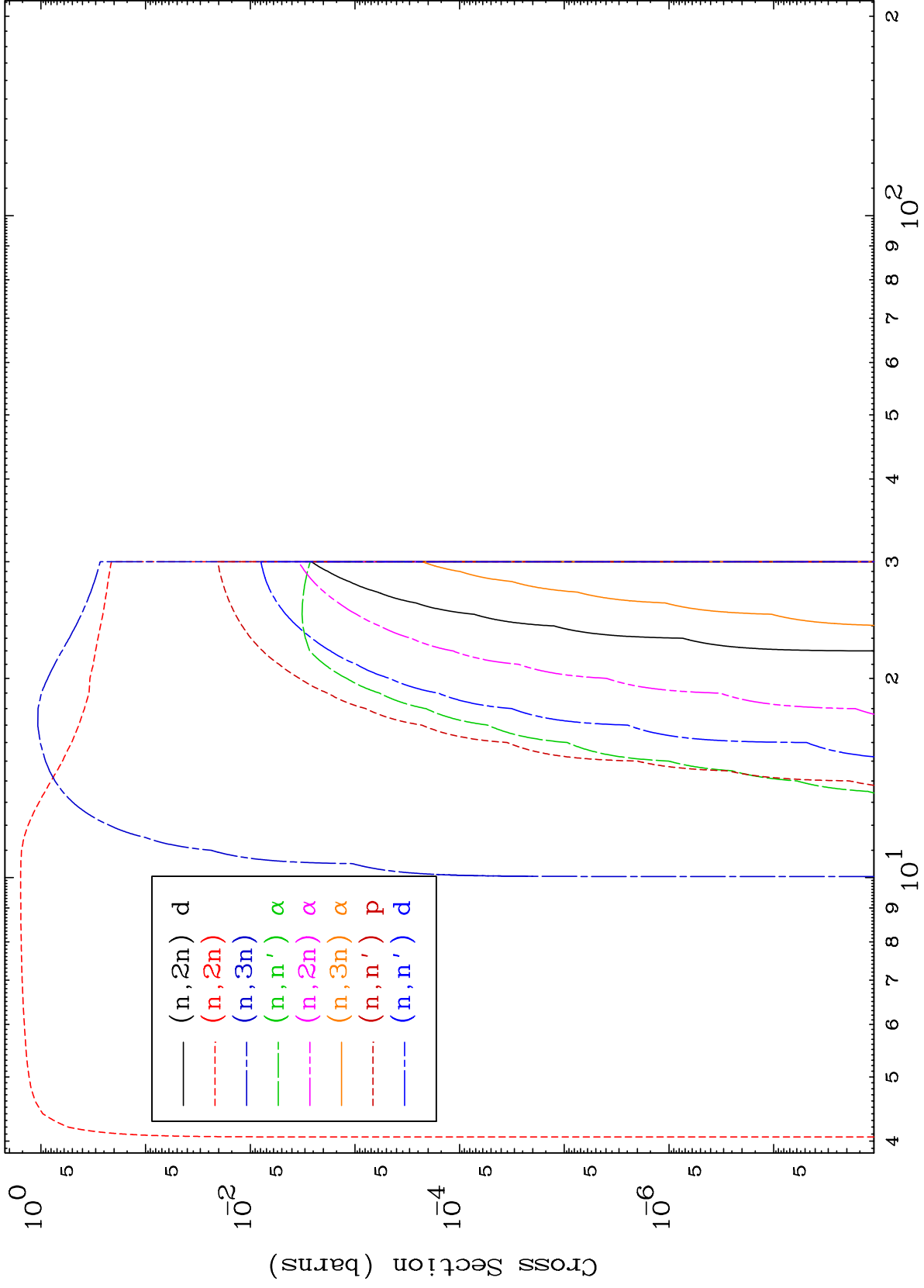
37-Rb-94



MAT 3752

Neutron Absorption  
293 Kelvin Cross Sections

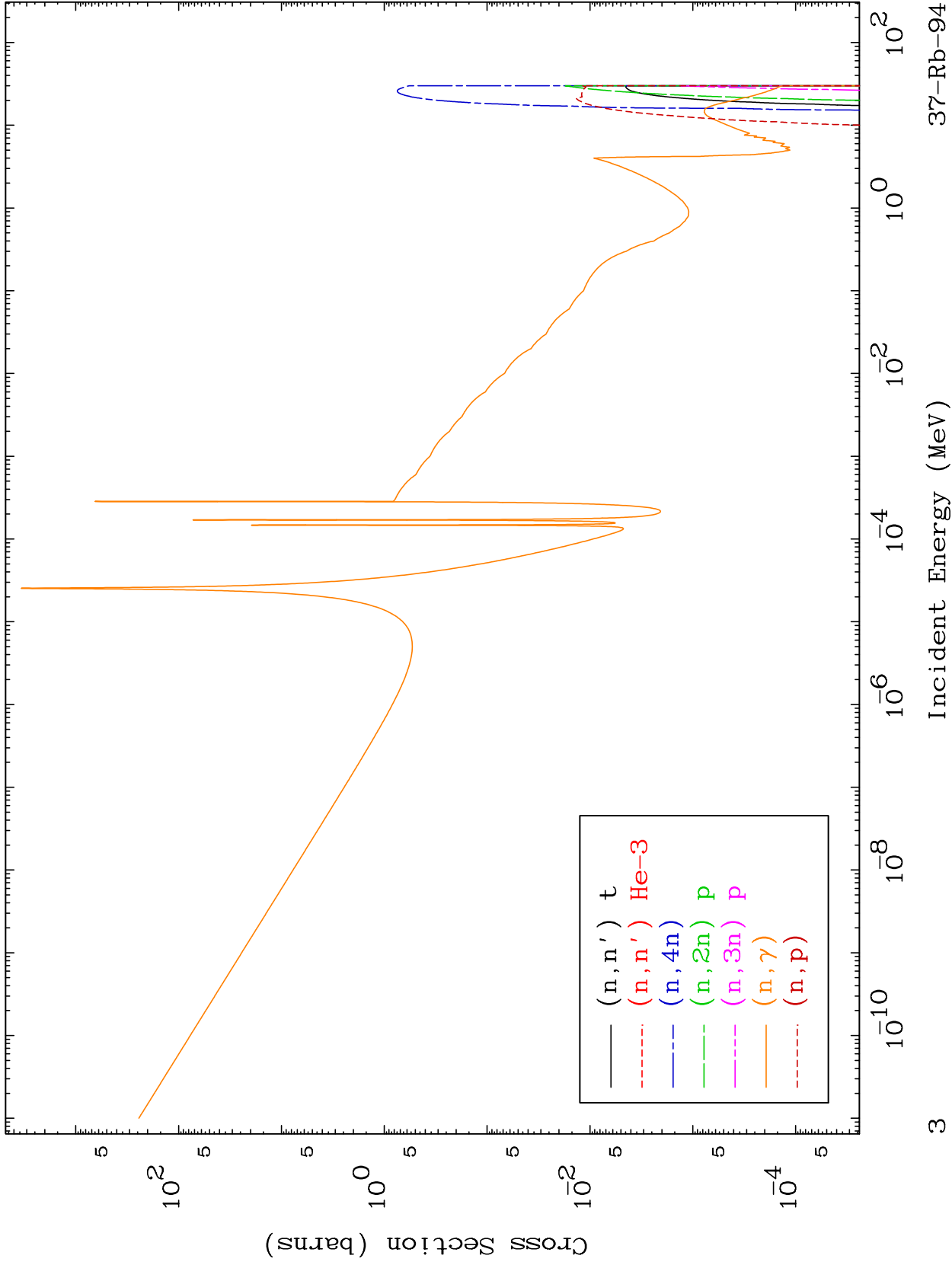
37-Rb-94



2

Incident Energy (MeV)

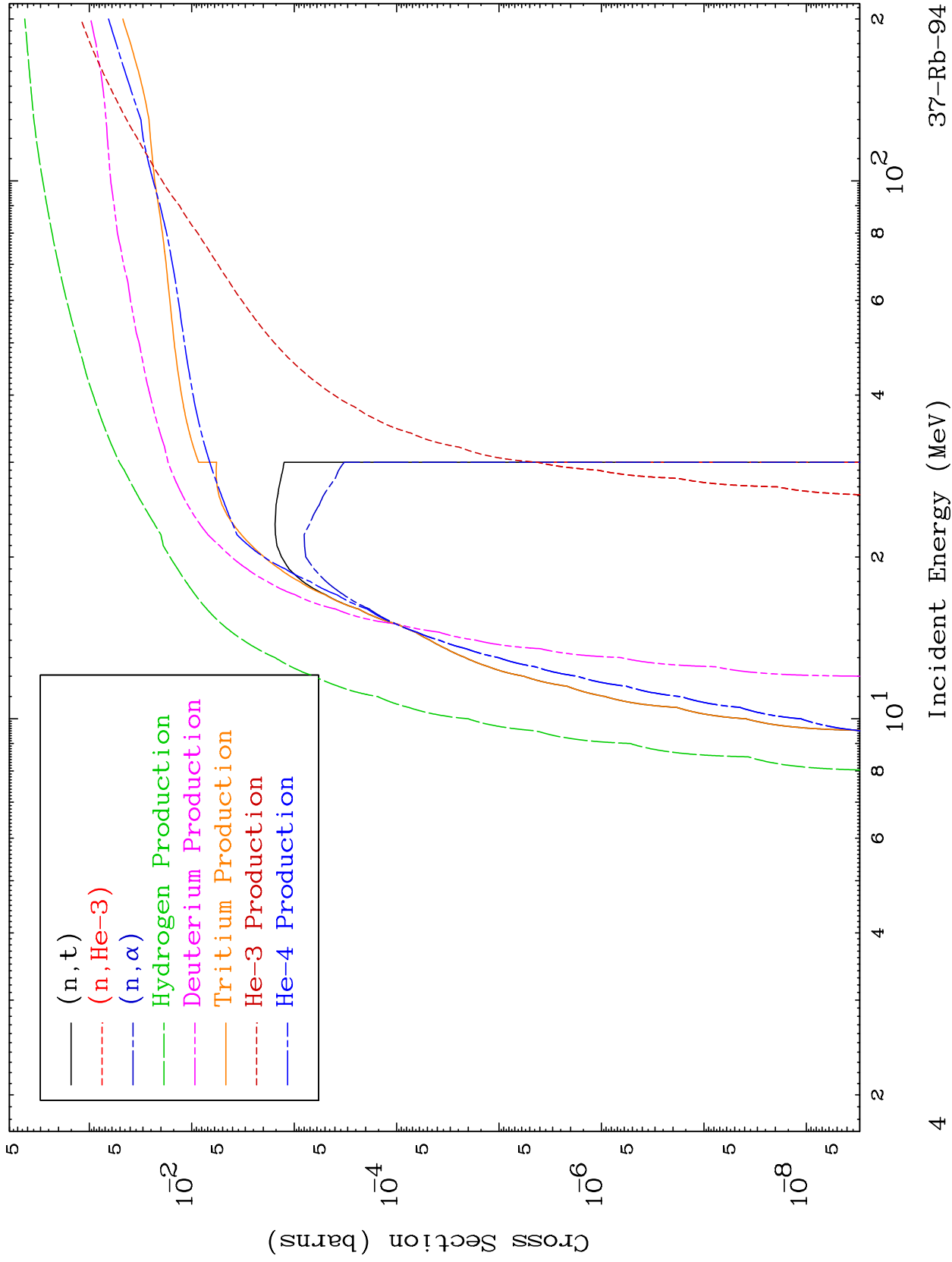
37-Rb-94



MAT 3752

Neutron Absorption  
293 Kelvin Cross Sections

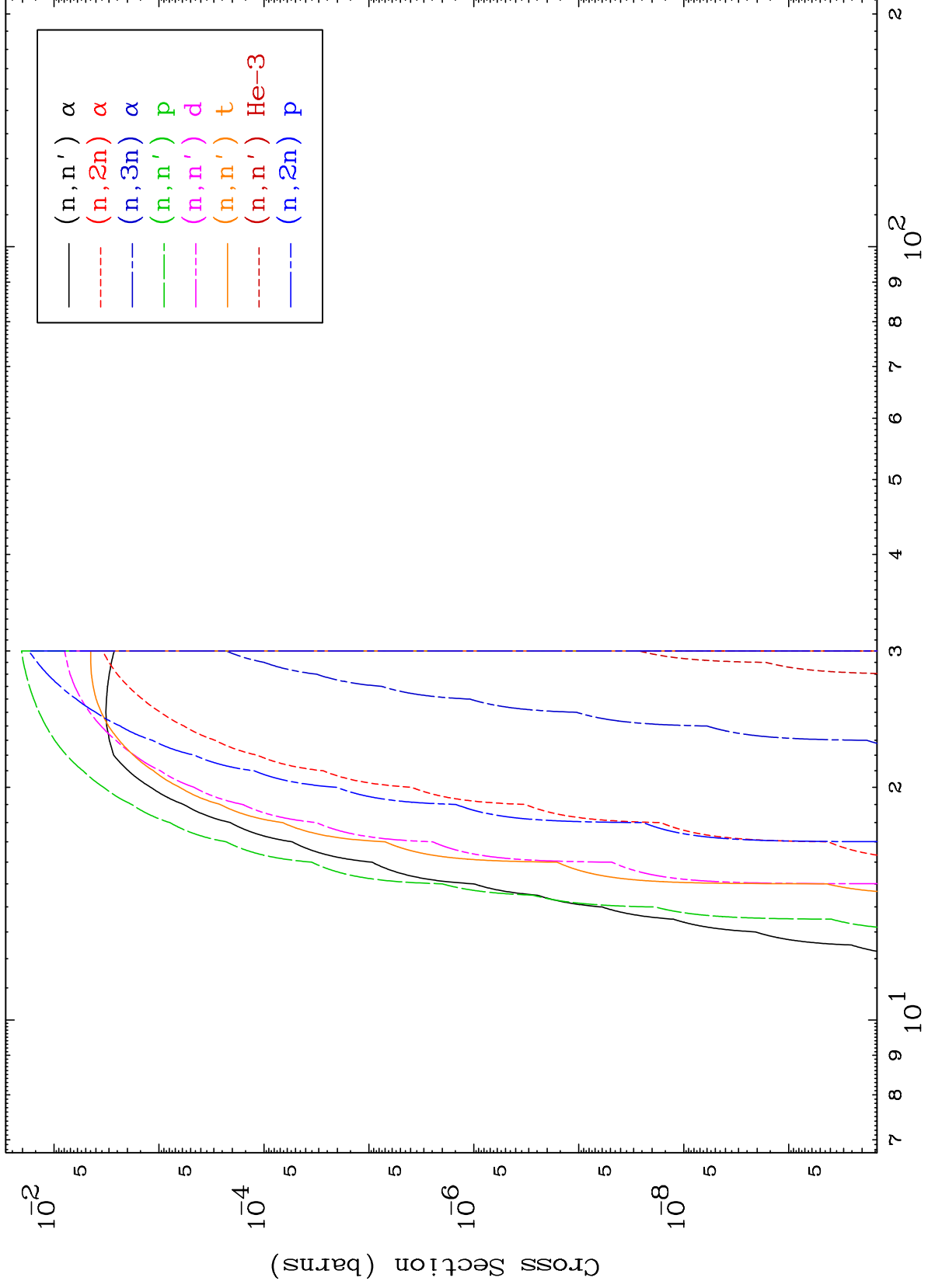
37-Rb-94



MAT 3752

Charged Particle  
293 Kelvin Cross Sections

37-Rb-94



5

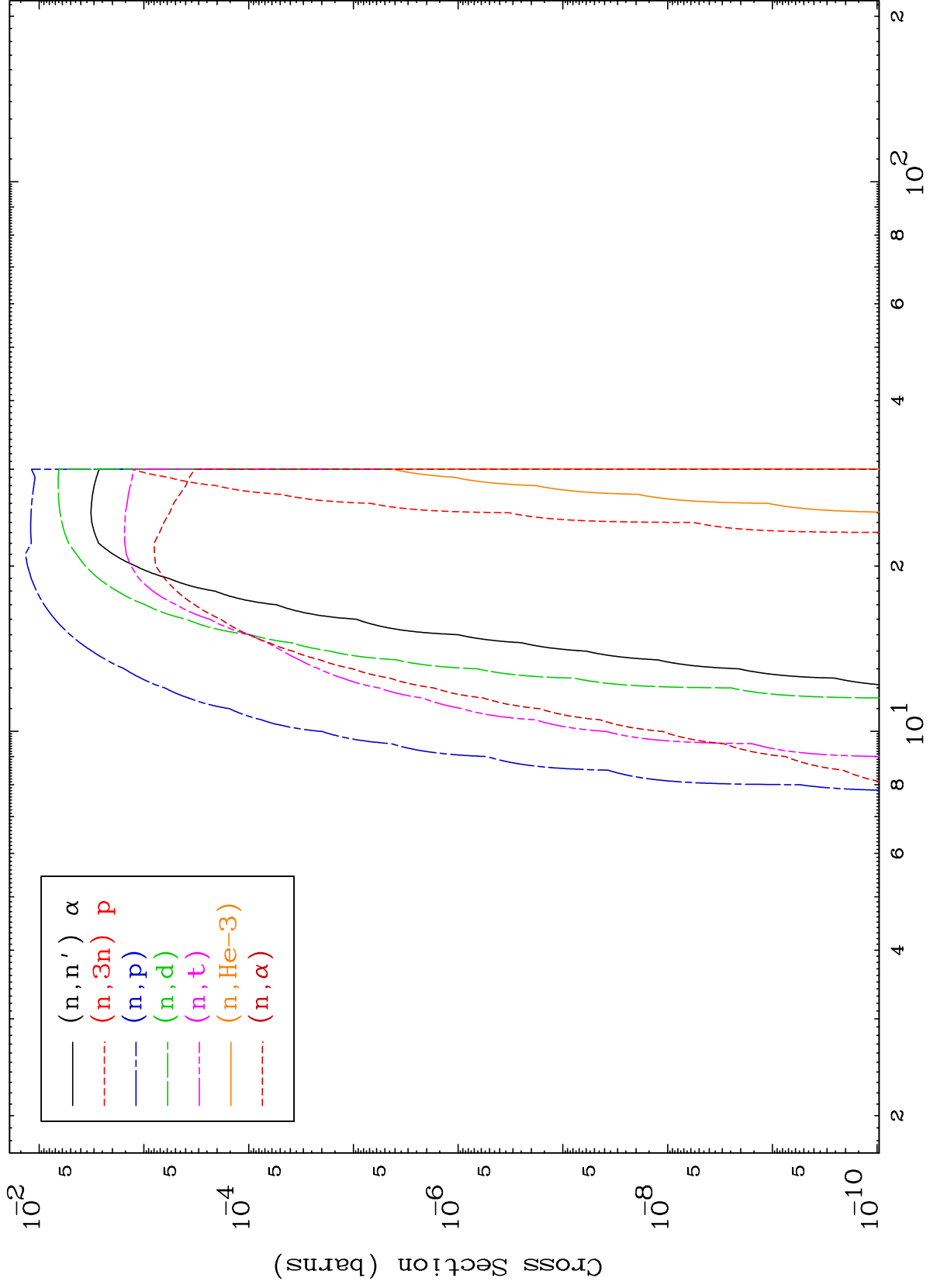
Incident Energy (MeV)

37-Rb-94

MAT 3752

Charged Particle  
293 Kelvin Cross Sections

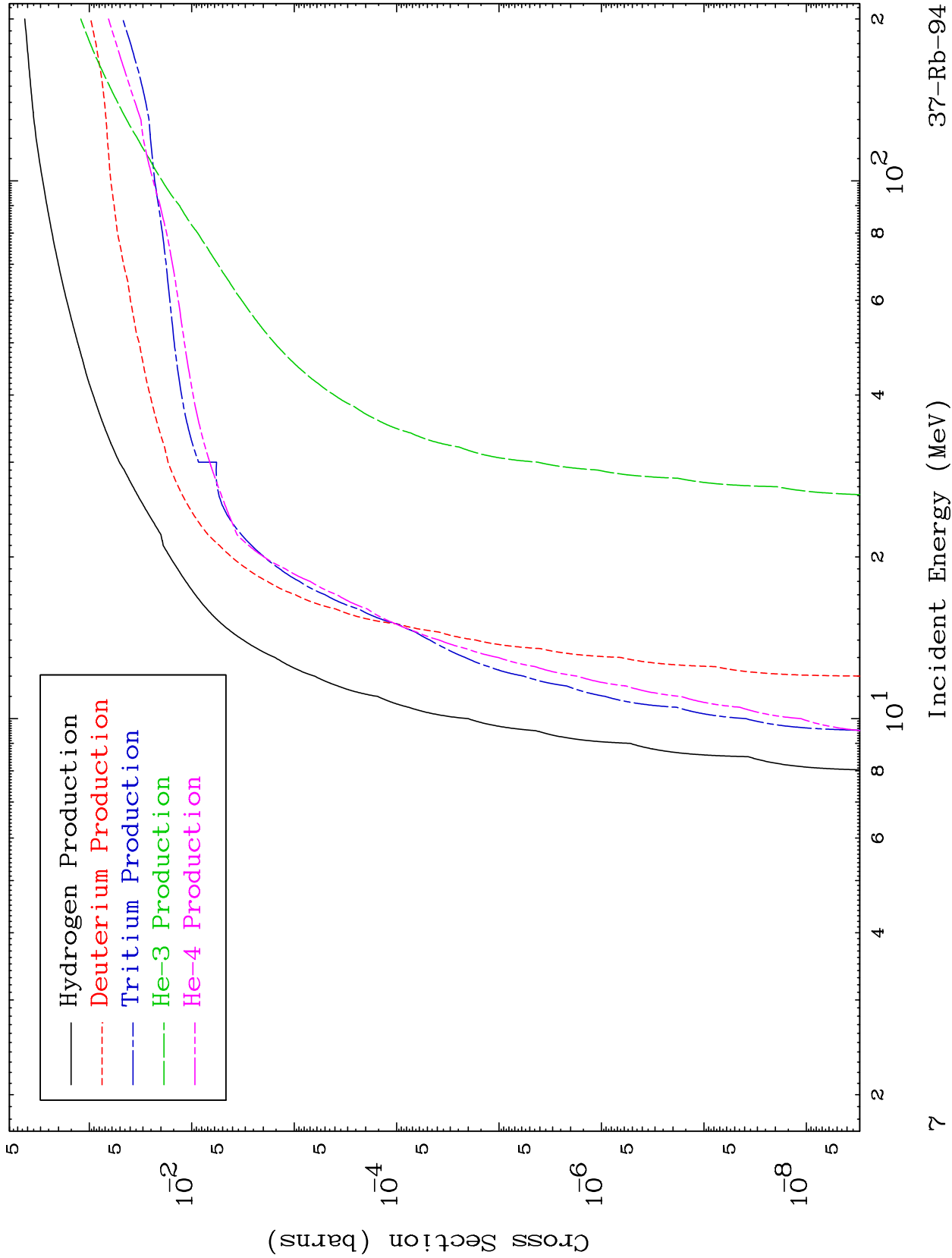
37-Rb-94



6

Incident Energy (MeV)

37-Rb-94

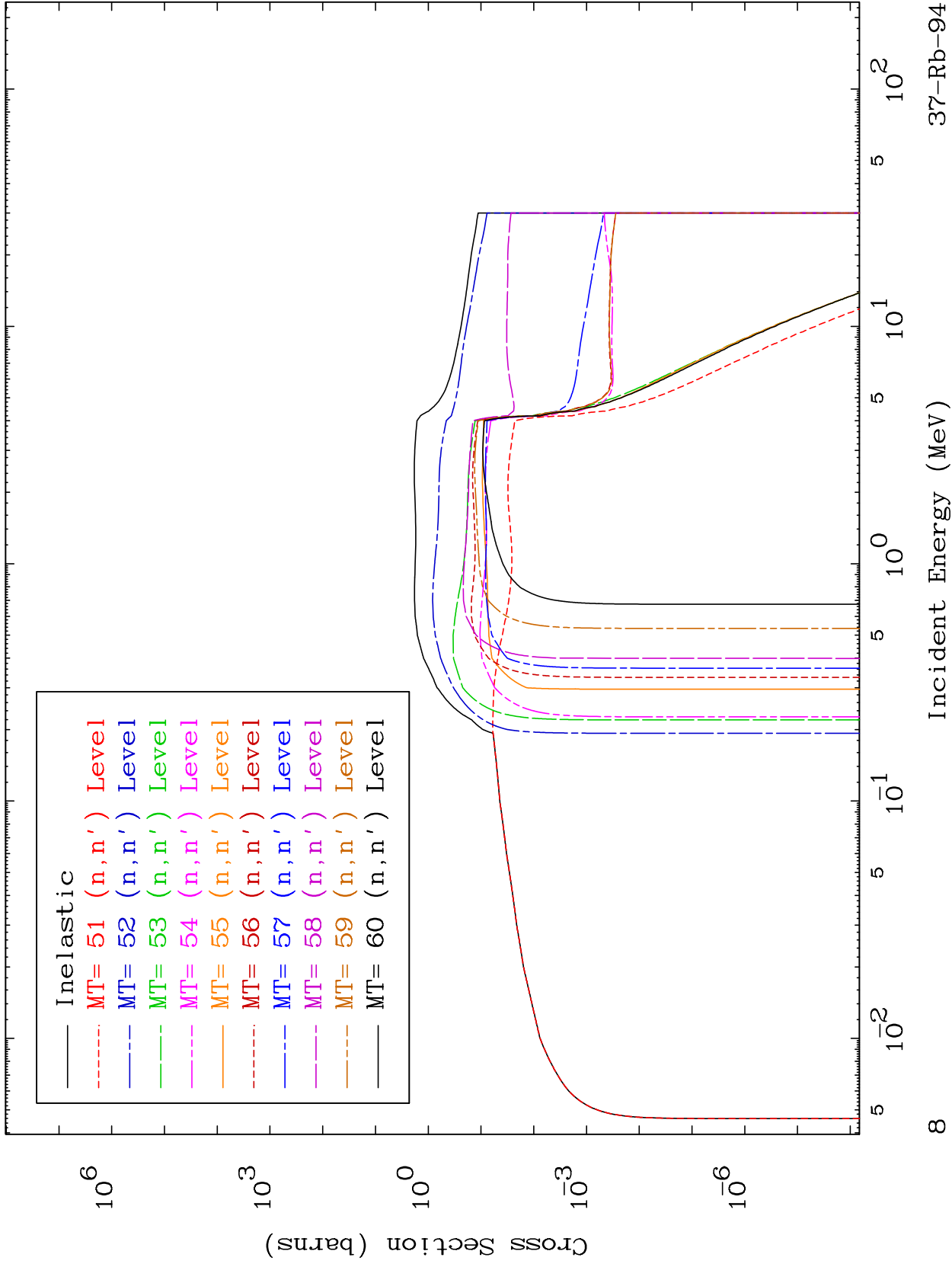




MAT 3752

(n,n') Levels  
293 Kelvin Cross Sections

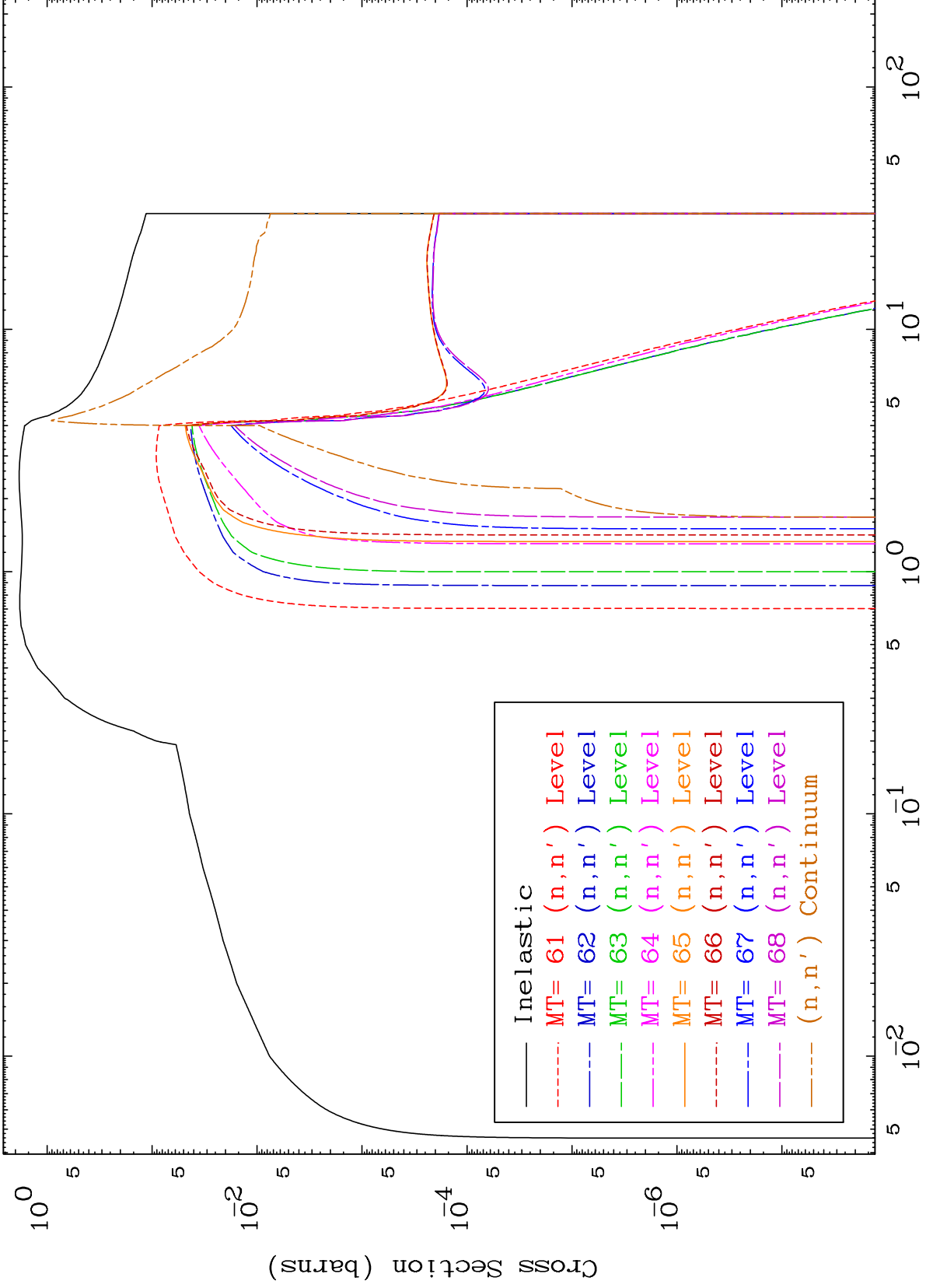
37-Rb-94



MAT 3752

293 Kelvin Cross Sections  
(n,n') Levels

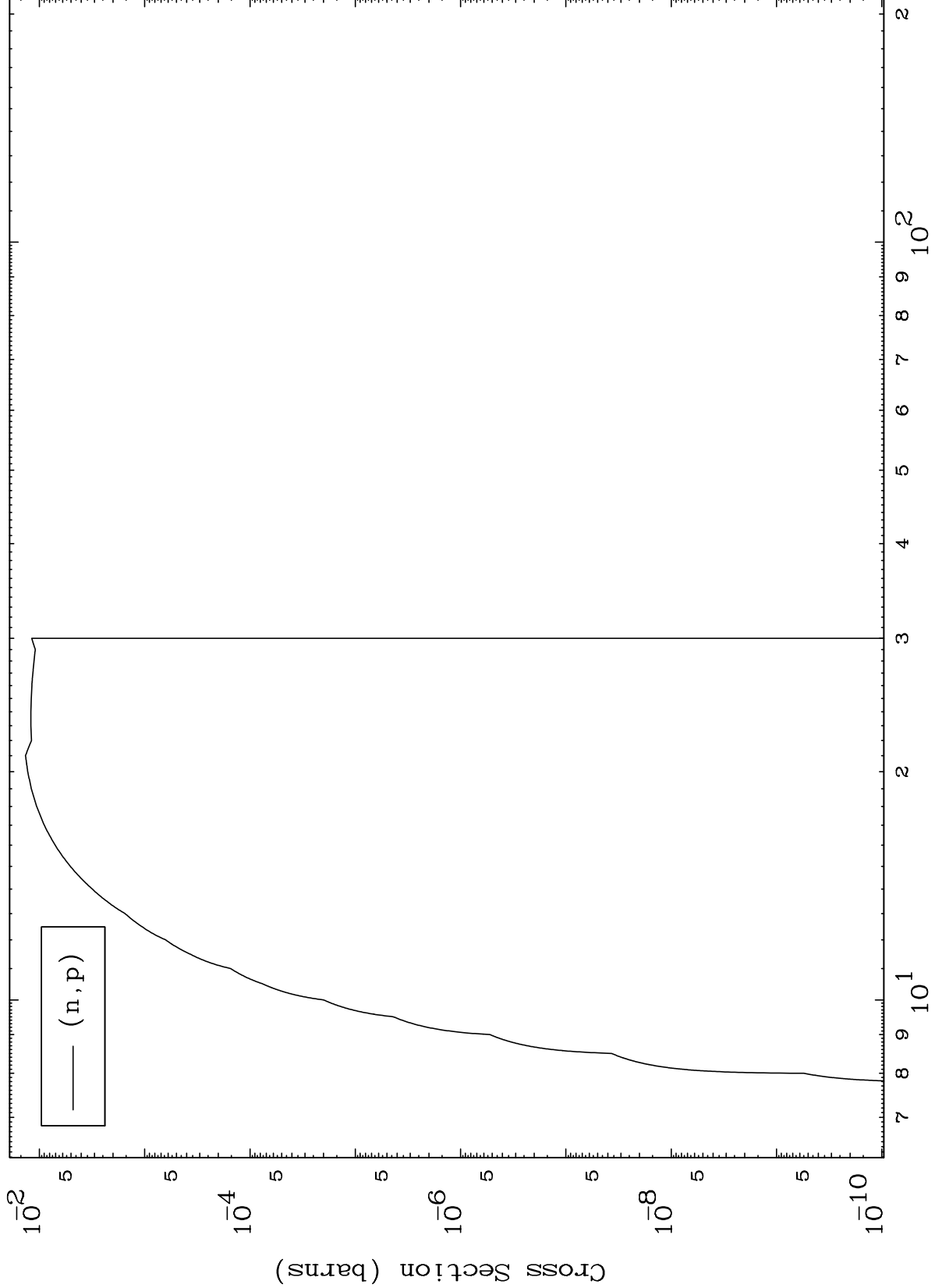
37-Rb-94



MAT 3752

37-Rb-94

(n,p) Levels  
293 Kelvin Cross Sections



10

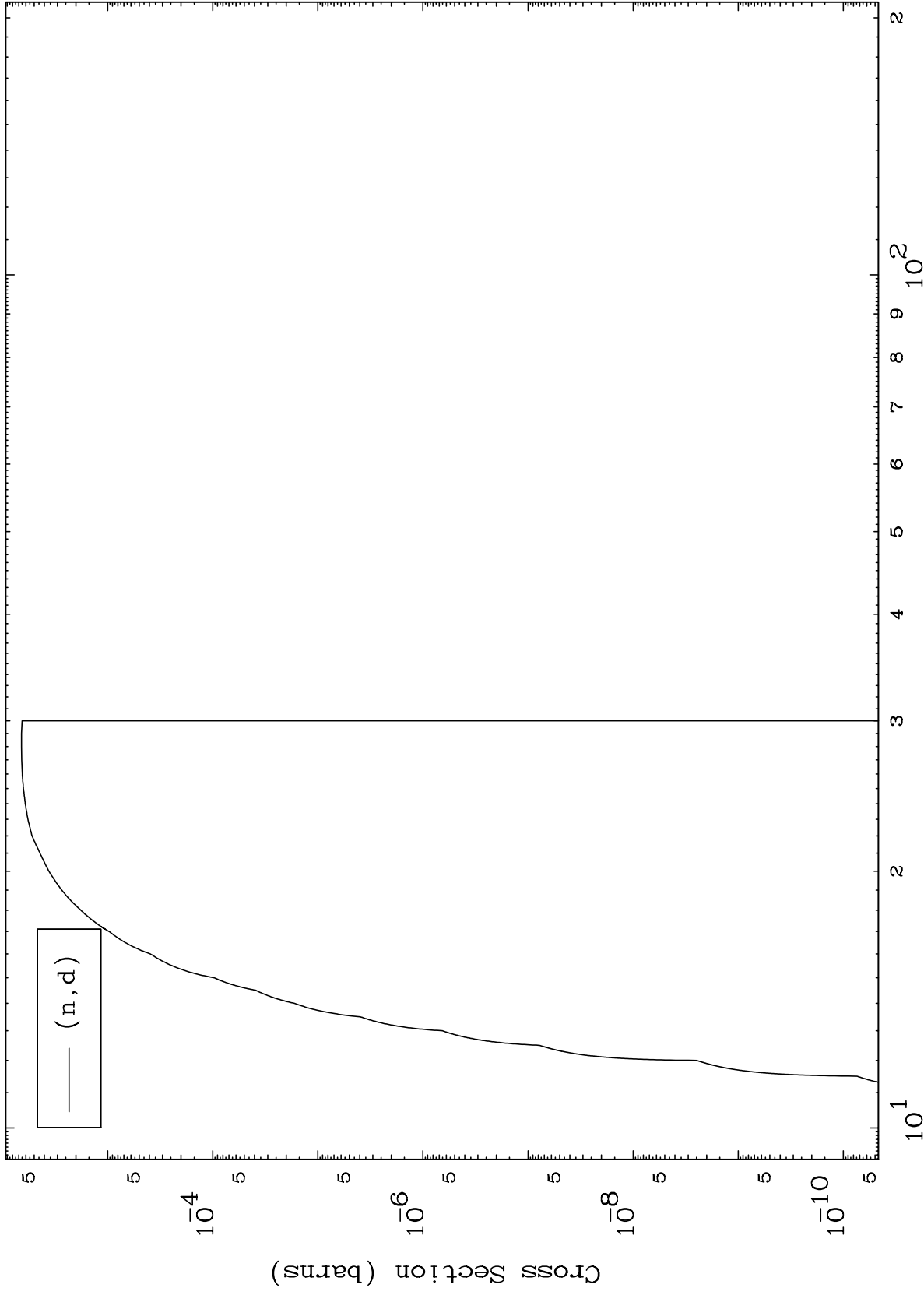
Incident Energy (MeV)

37-Rb-94

MAT 3752

(n,d) Levels  
293 Kelvin Cross Sections

37-Rb-94



11

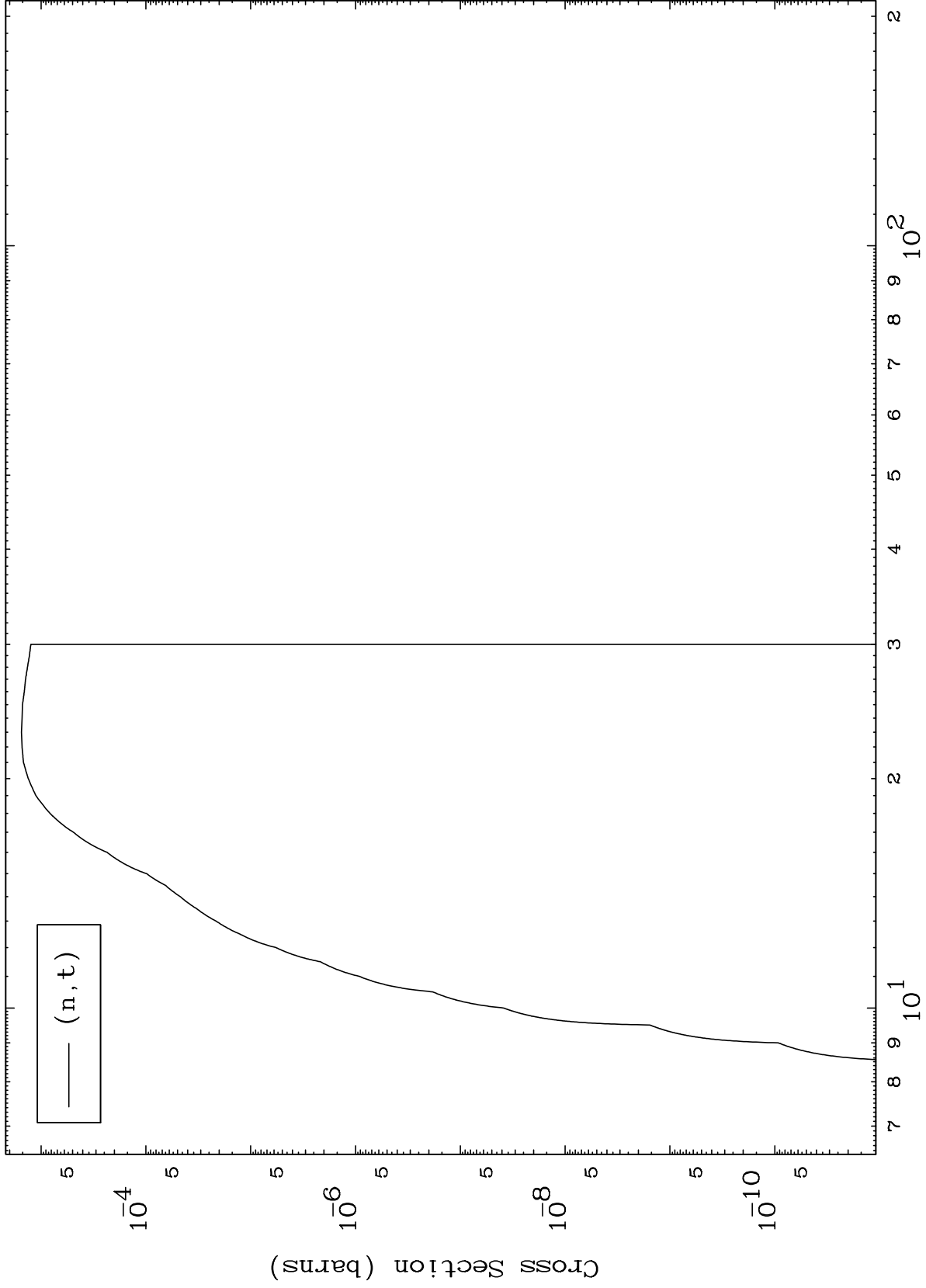
Incident Energy (MeV)

37-Rb-94

MAT 3752

(n,t) Levels  
293 Kelvin Cross Sections

37-Rb-94



12

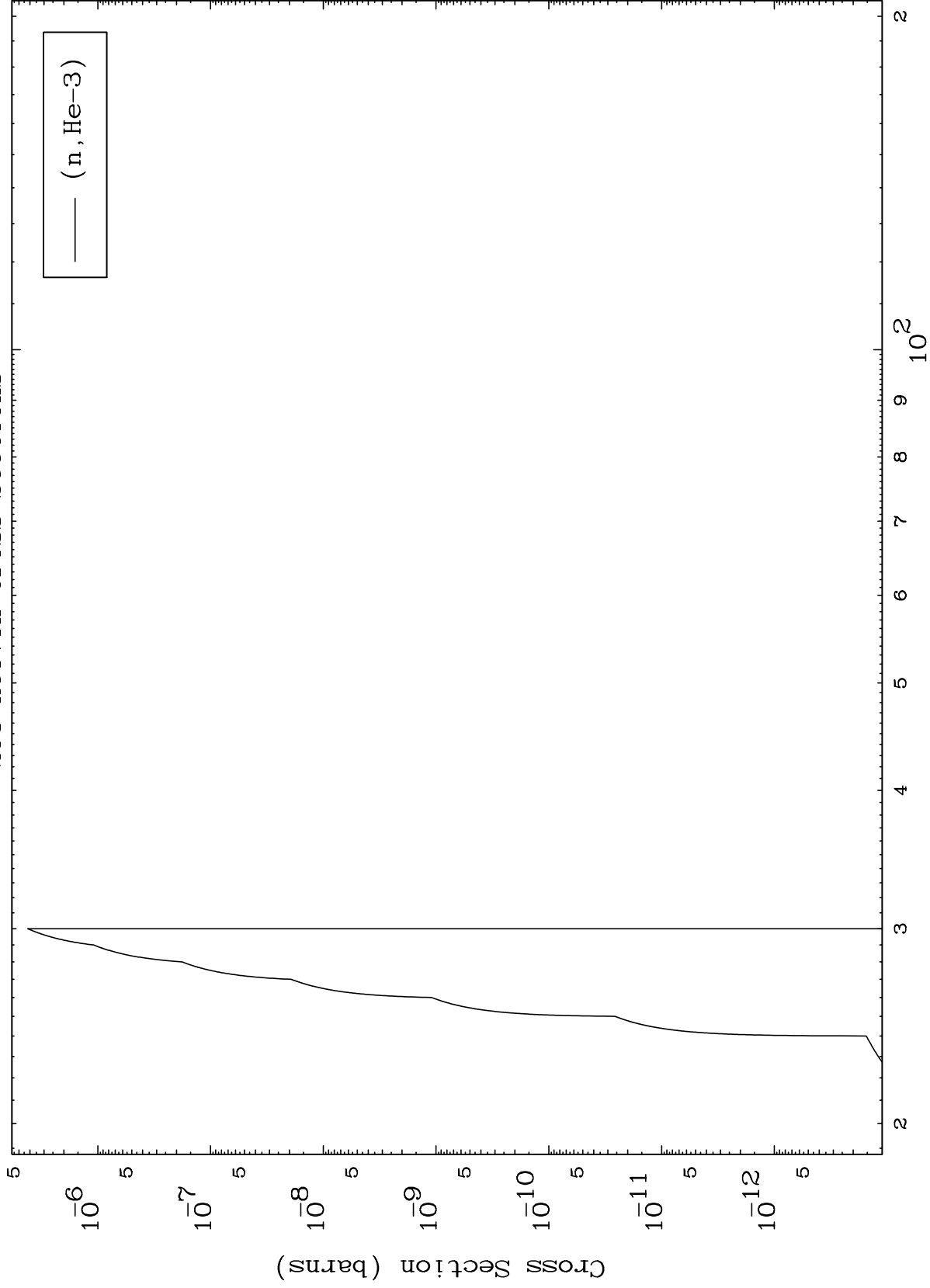
Incident Energy (MeV)

37-Rb-94

MAT 3752

(n,He3) Levels  
293 Kelvin Cross Sections

37-Rb-94



13

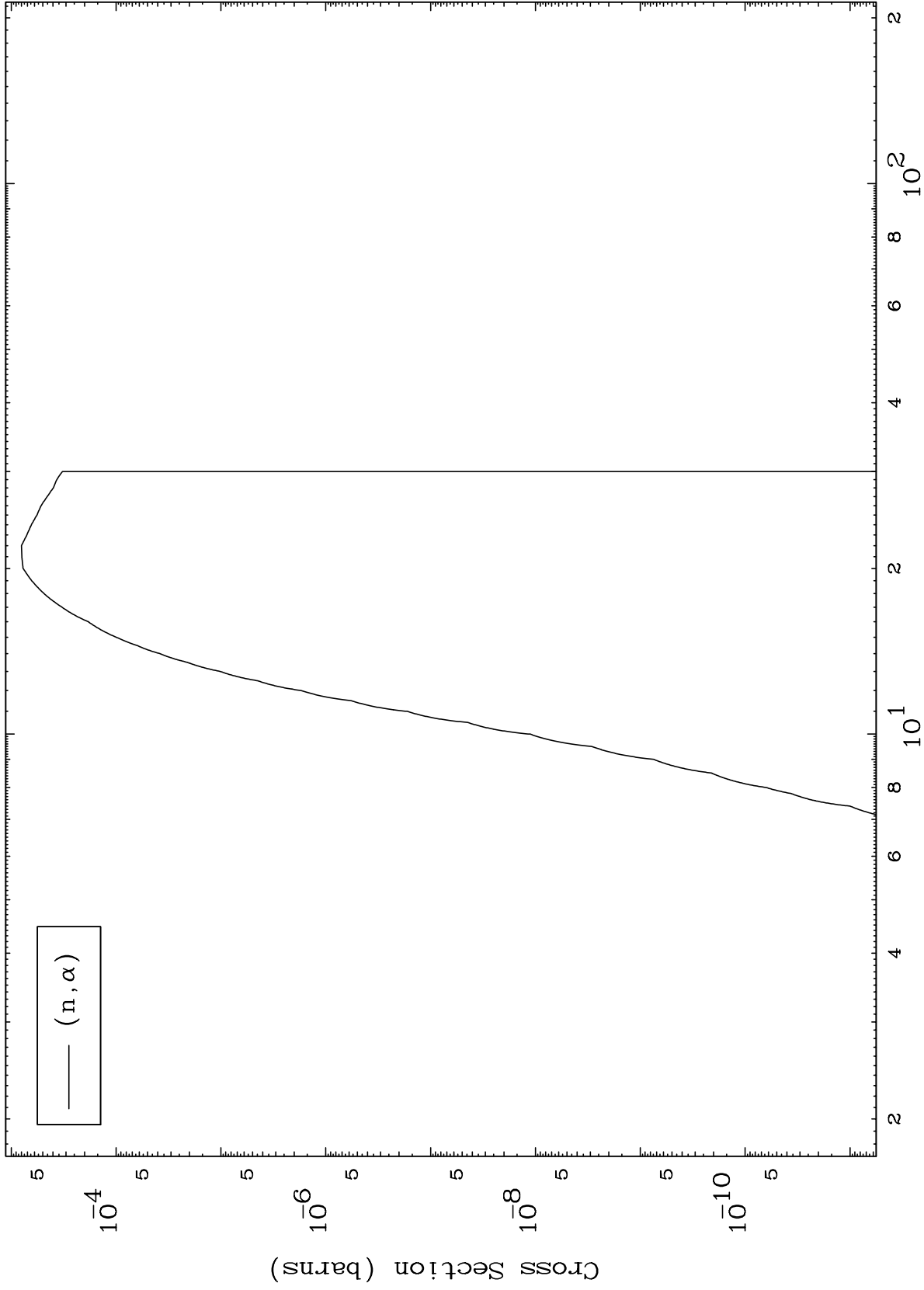
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

37-Rb-94



14

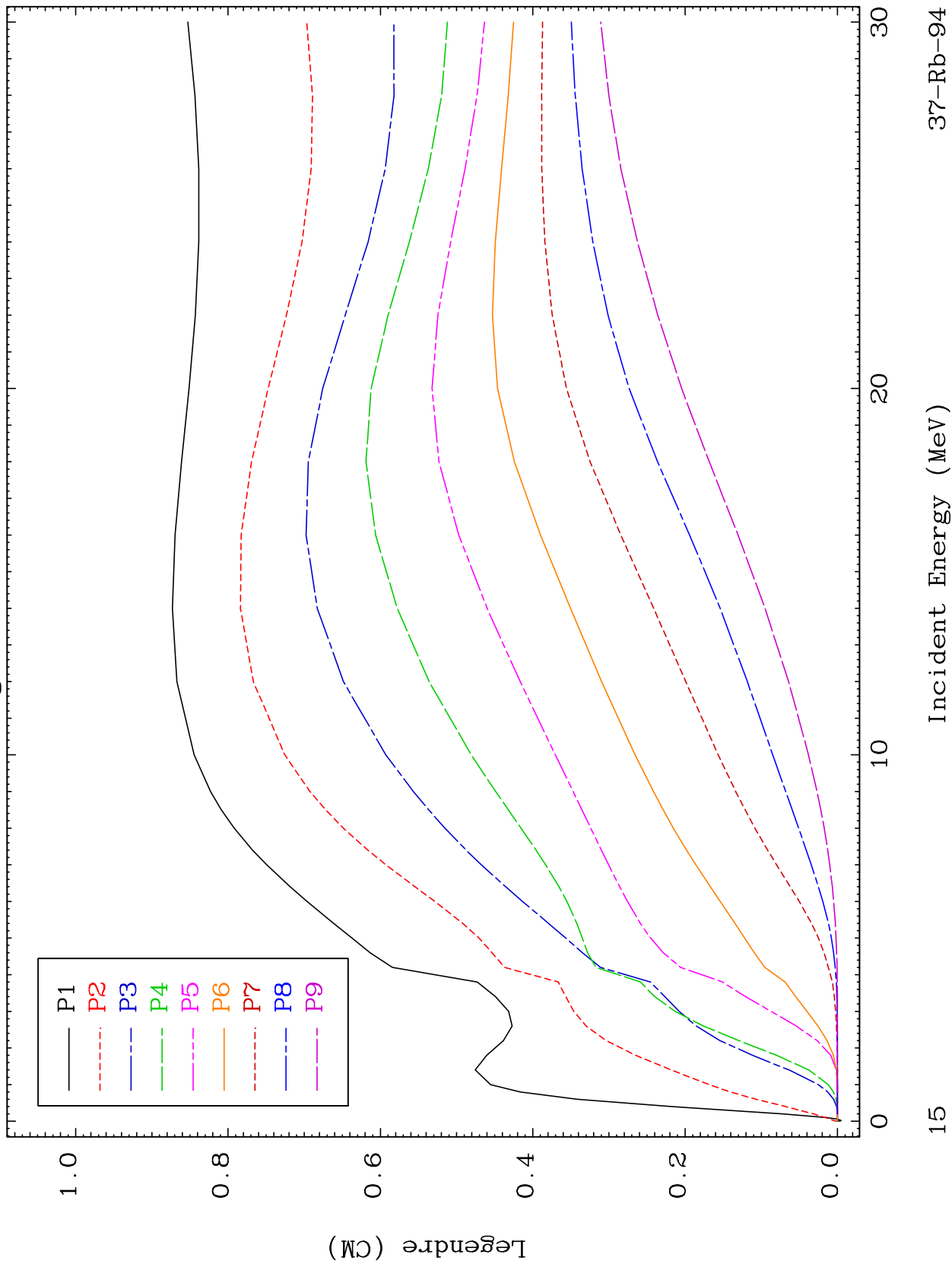
Incident Energy (MeV)

37-Rb-94

MAT 3752

Elastic Legendre Coefficients

<sup>37</sup>Rb-94



15

Incident Energy (MeV)

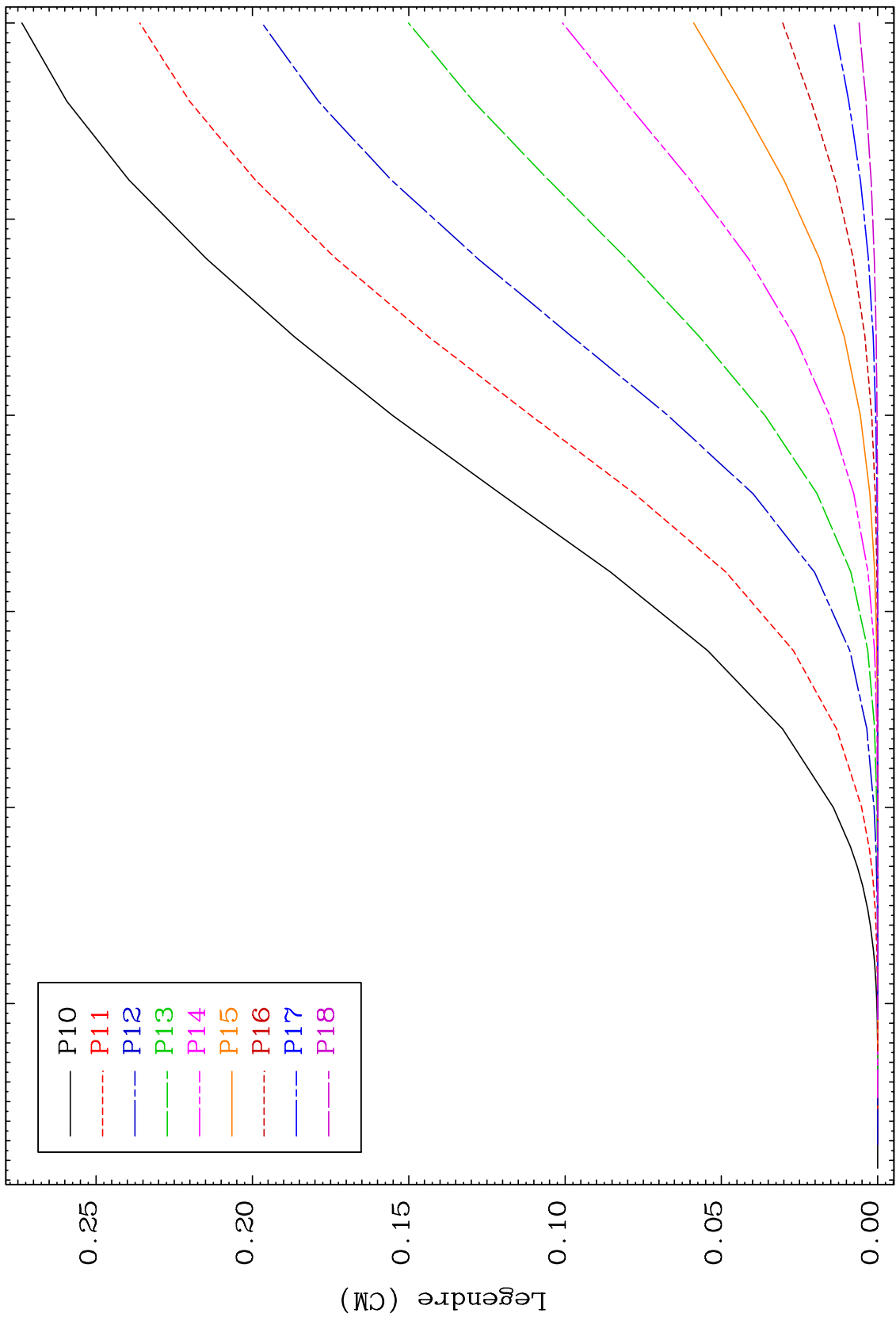
<sup>37</sup>Rb-94



MAT 3752

Elastic Legendre Coefficients

<sup>37</sup>Rb-94



16

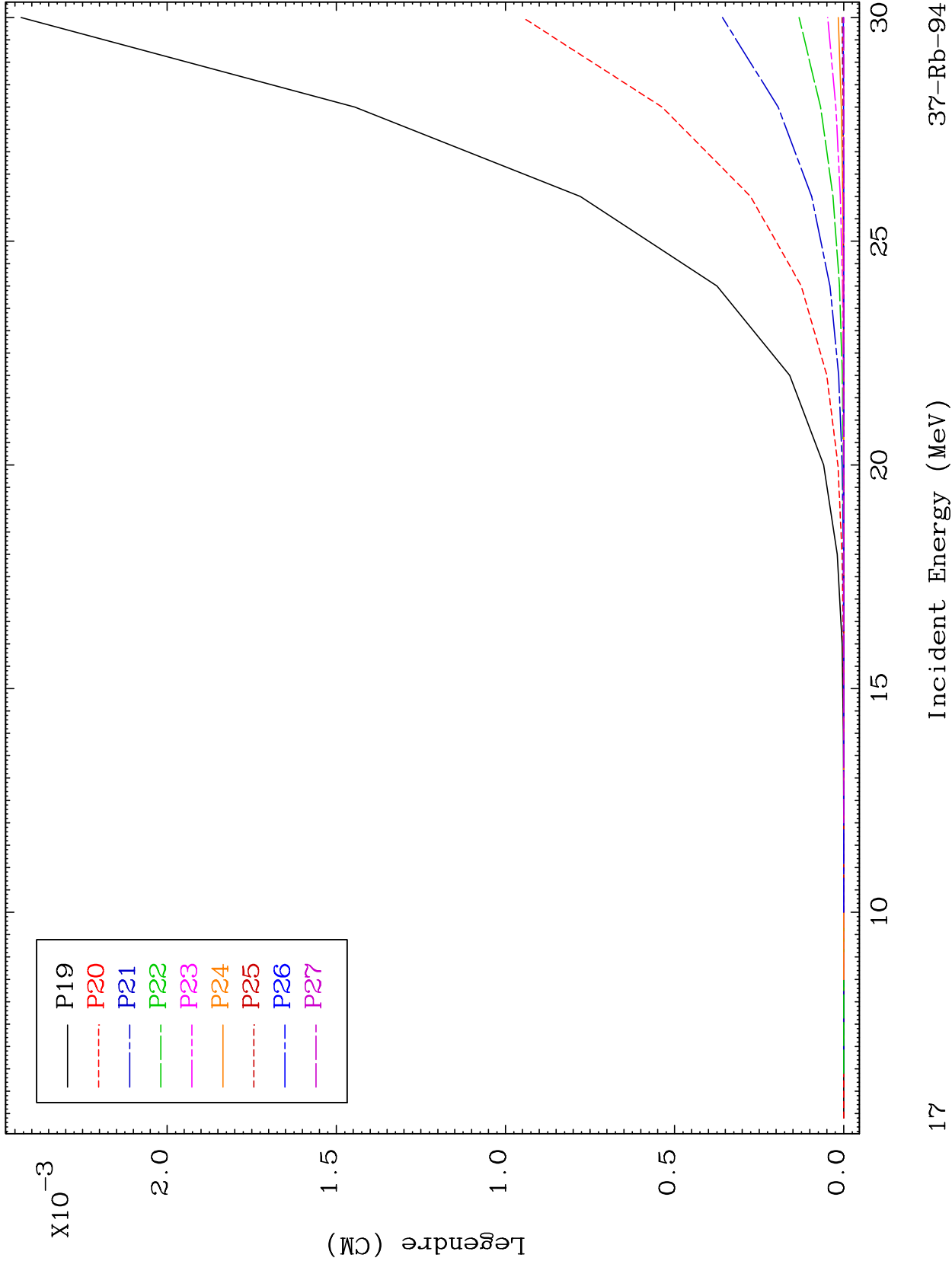
Incident Energy (MeV)

<sup>37</sup>Rb-94

MAT 3752

Elastic Legendre Coefficients

37-Rb-94



17

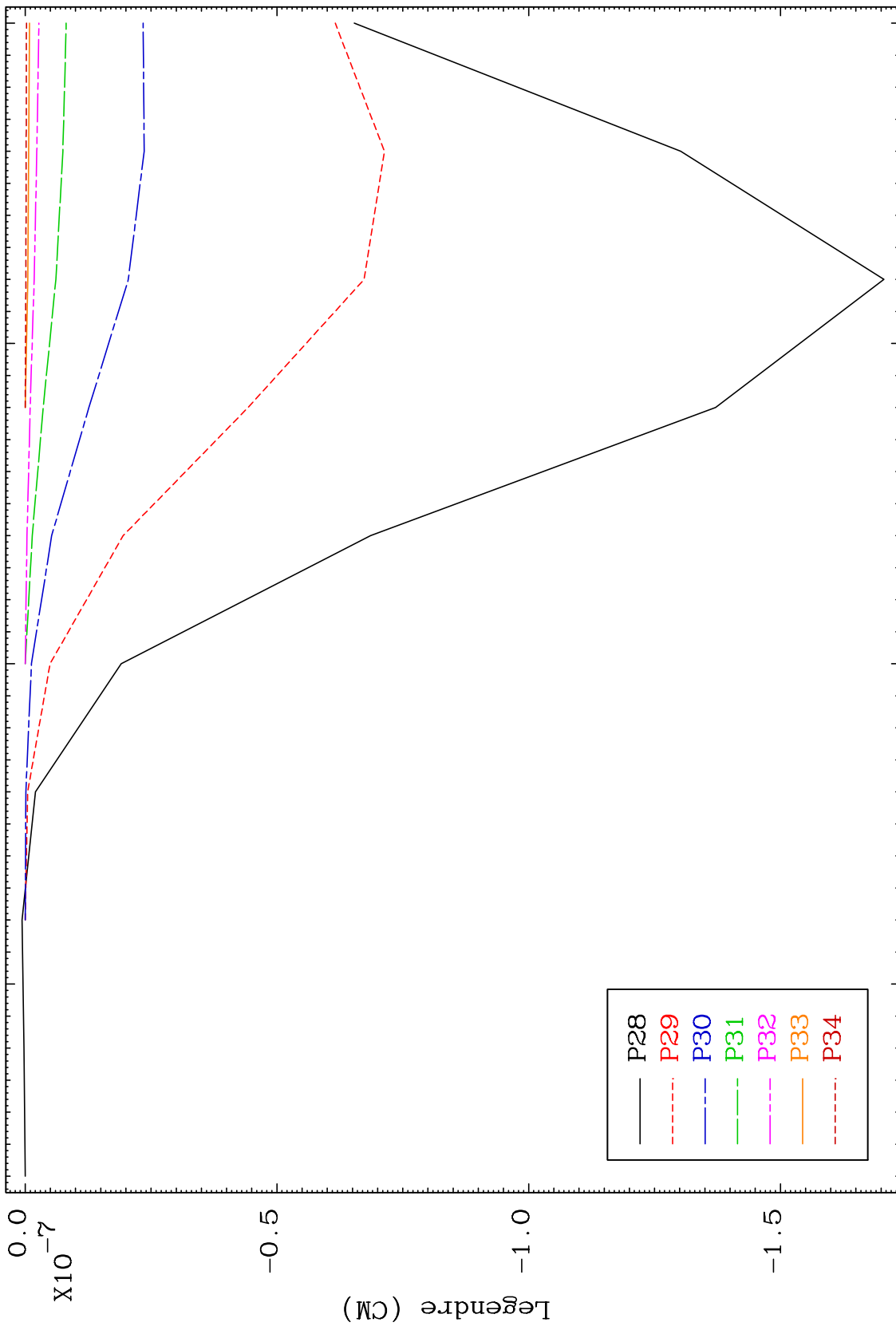
Incident Energy (MeV)

37-Rb-94

MAT 3752

37-Rb-94

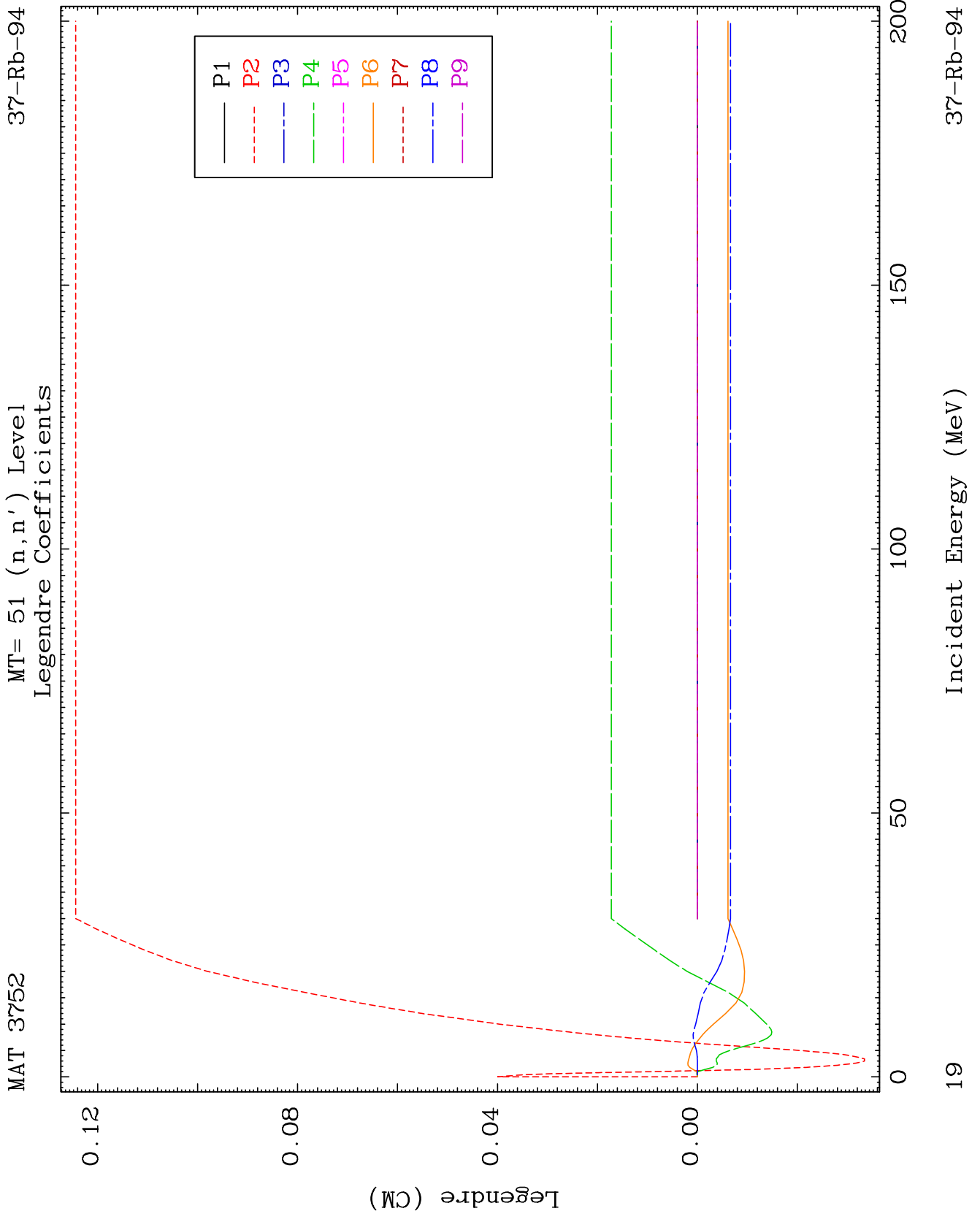
Elastic Legendre Coefficients



18

Incident Energy (MeV)

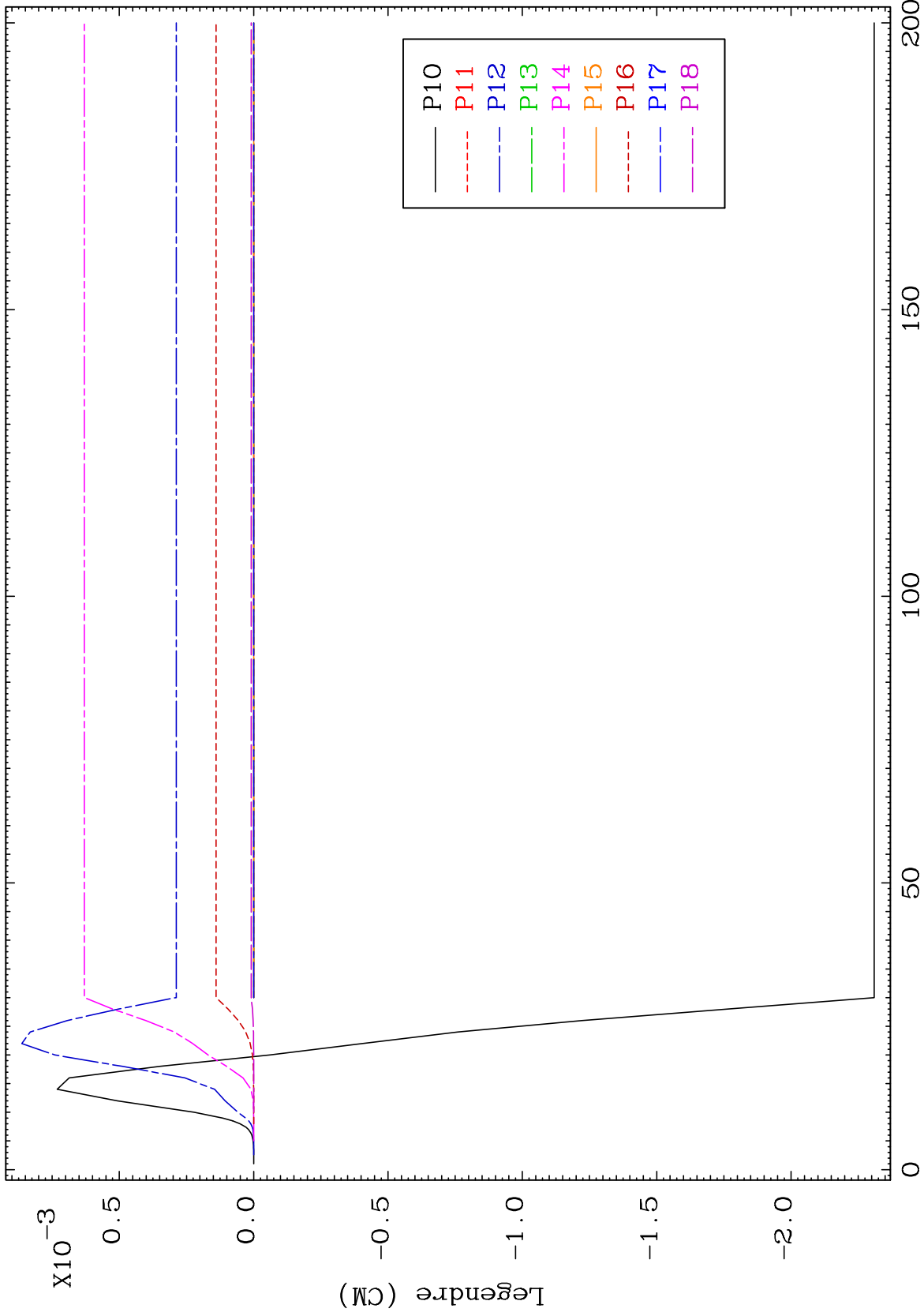
37-Rb-94



MAT 3752

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

37-Rb-94



0

50

100

150

200

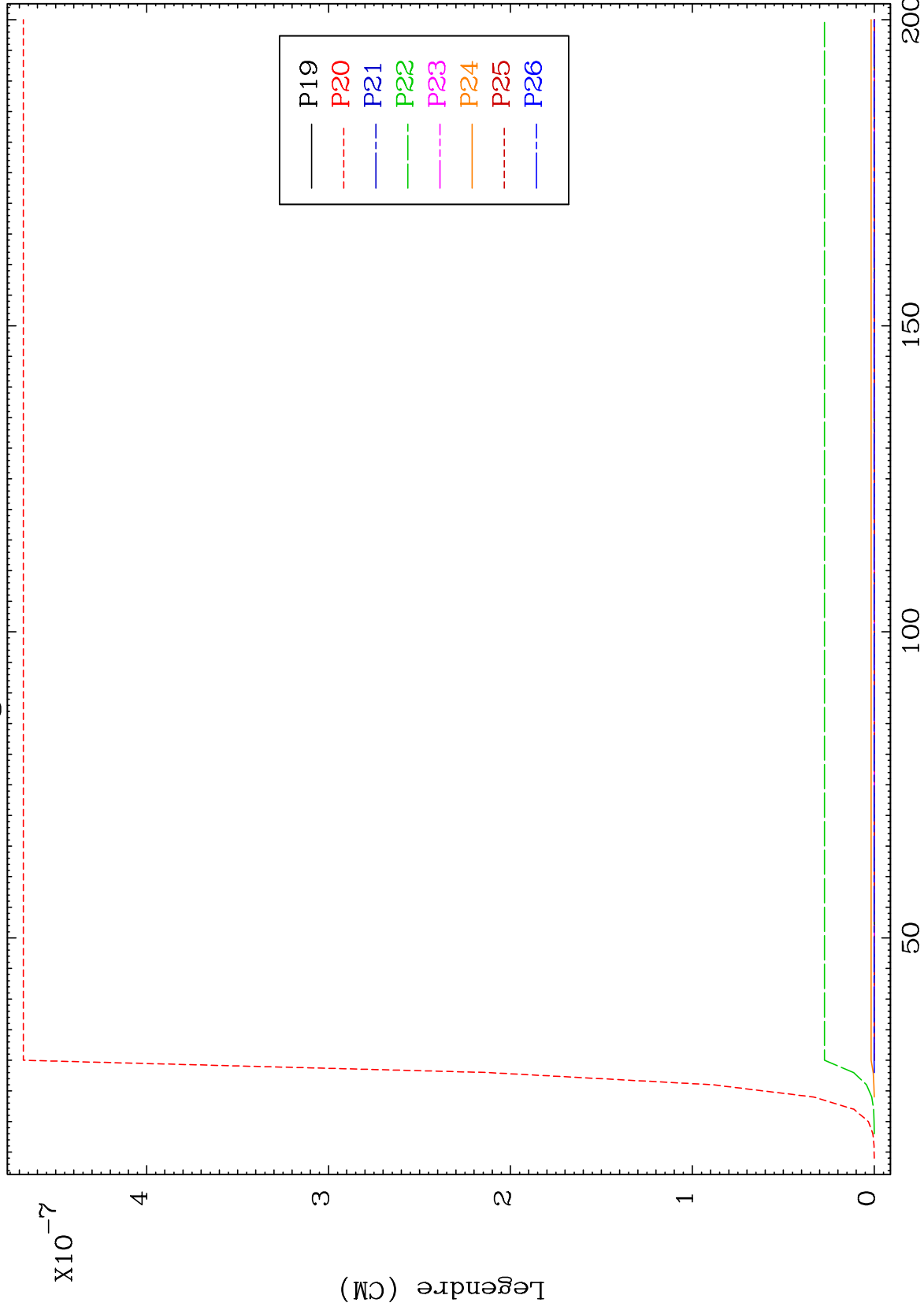
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

37-Rb-94



21

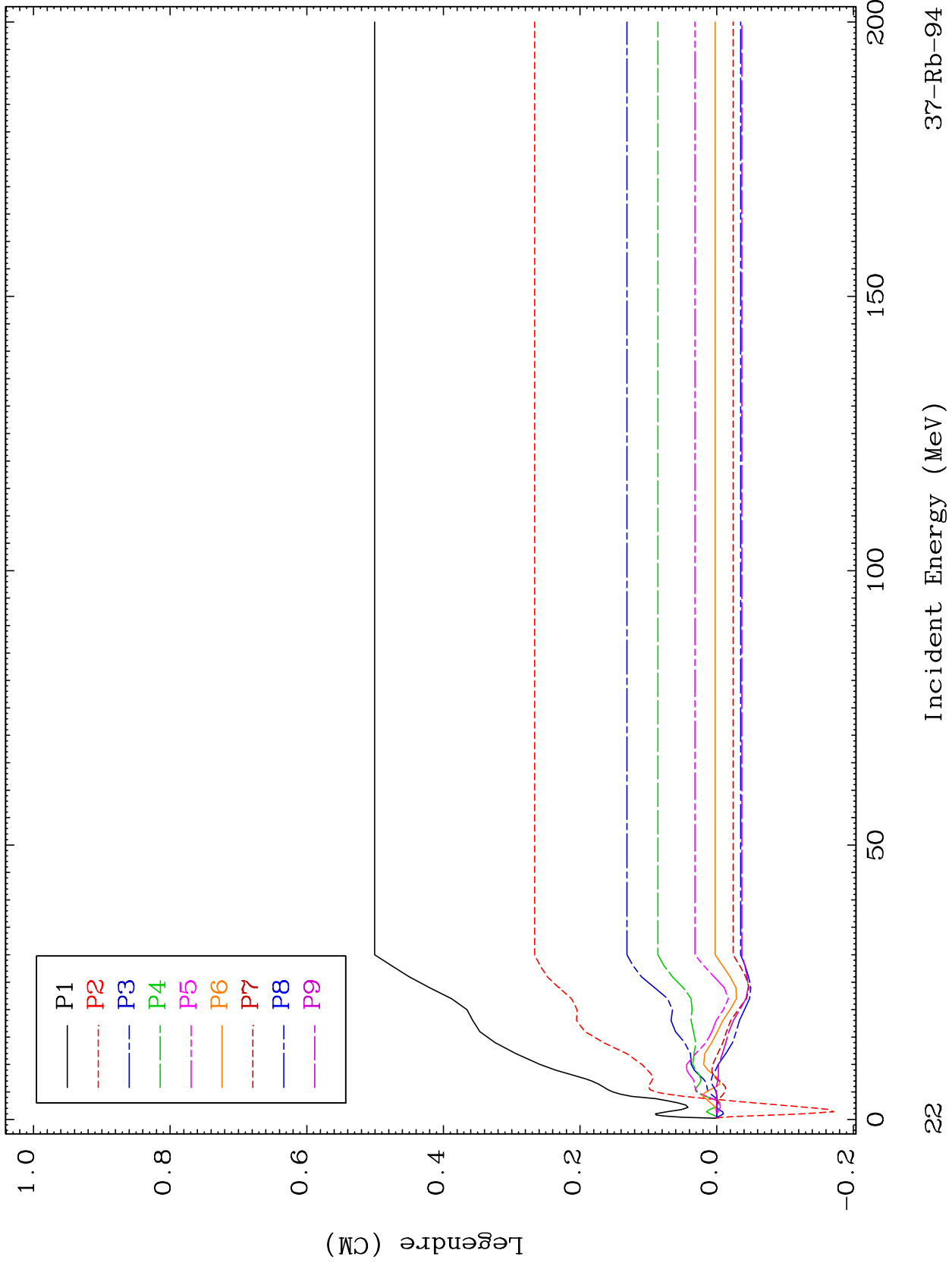
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

37-Rb-94



22

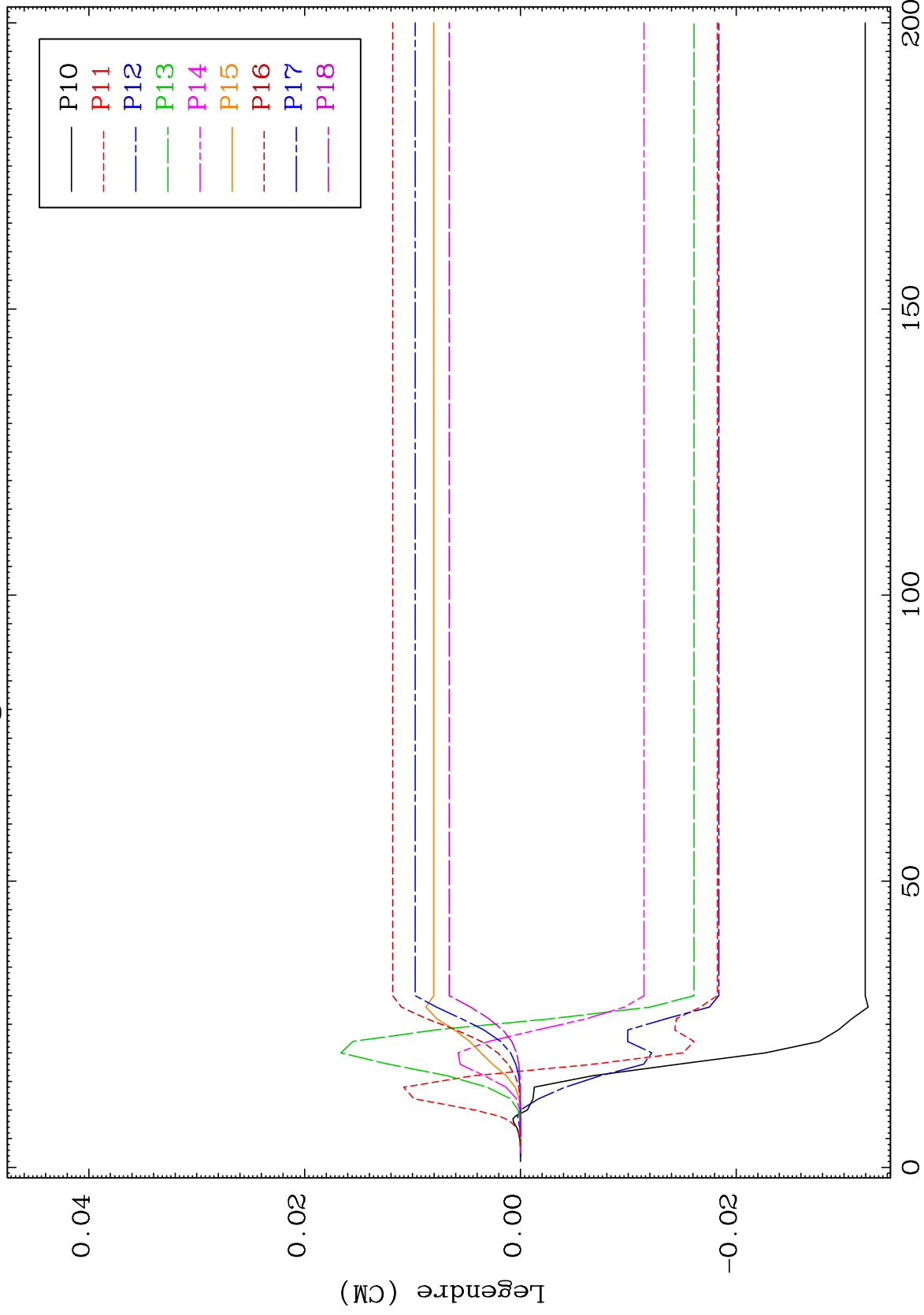
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

37-Rb-94



23

Incident Energy (MeV)

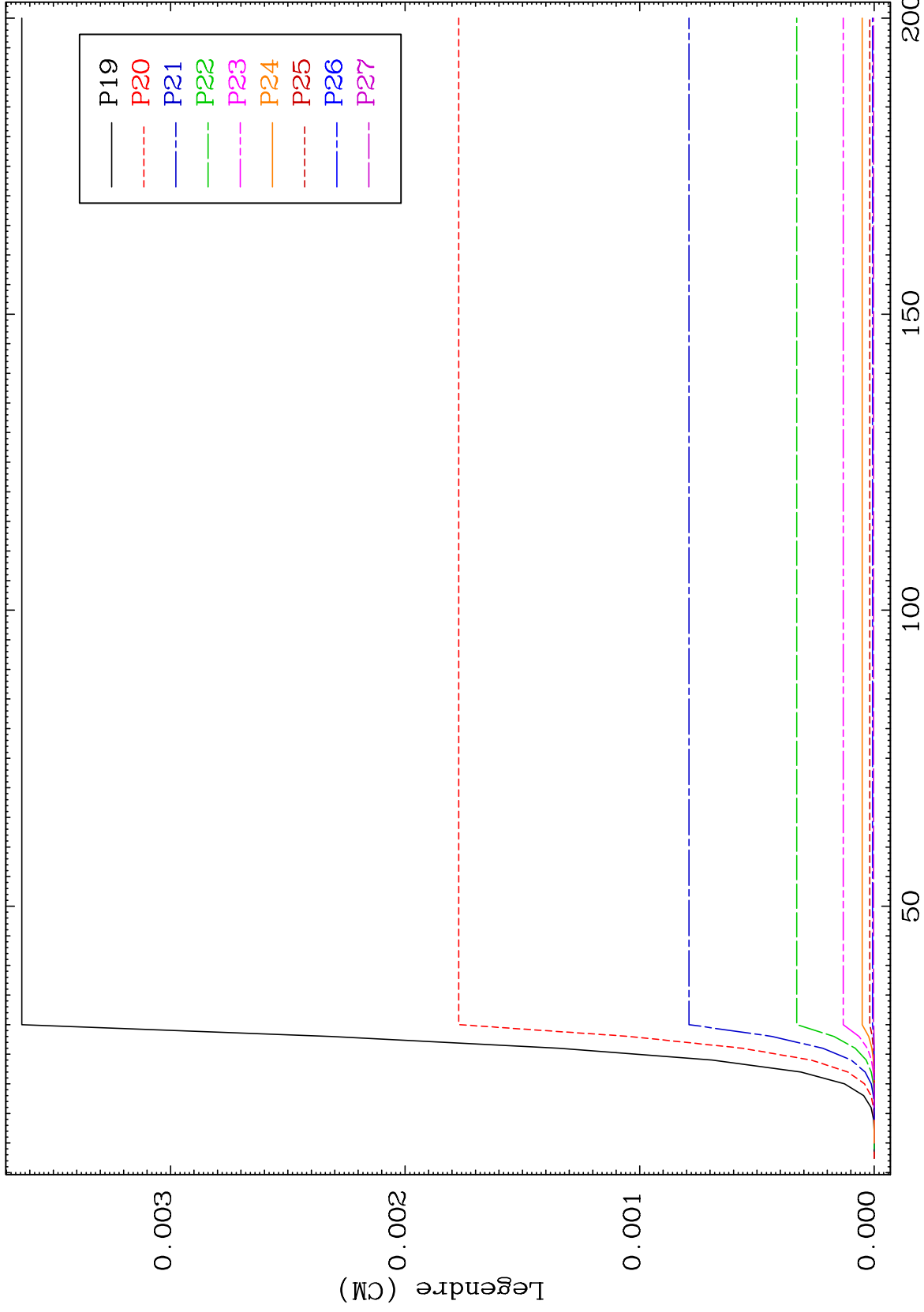
37-Rb-94



MAT 3752

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

37-Rb-94



24

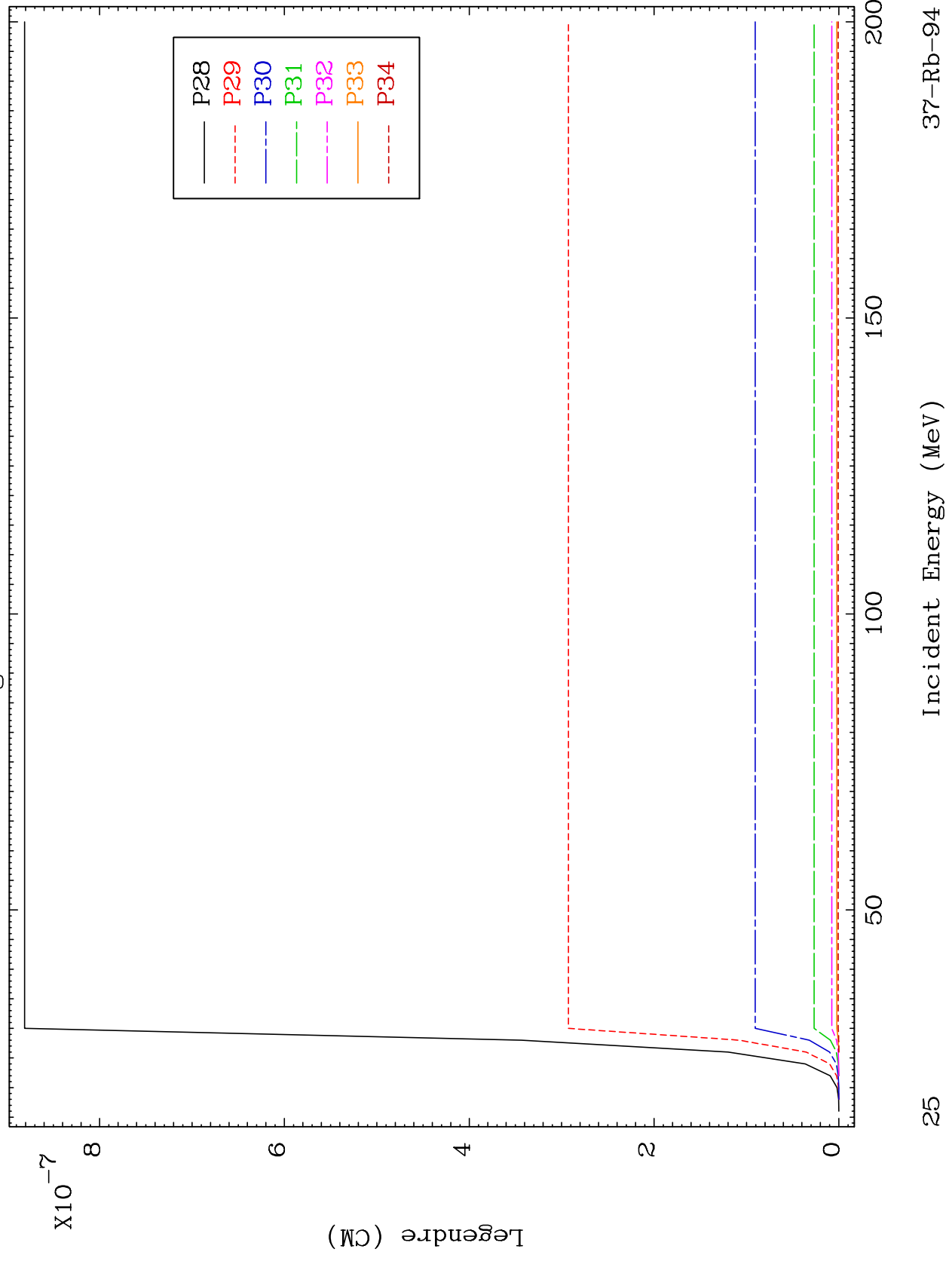
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

37-Rb-94



25

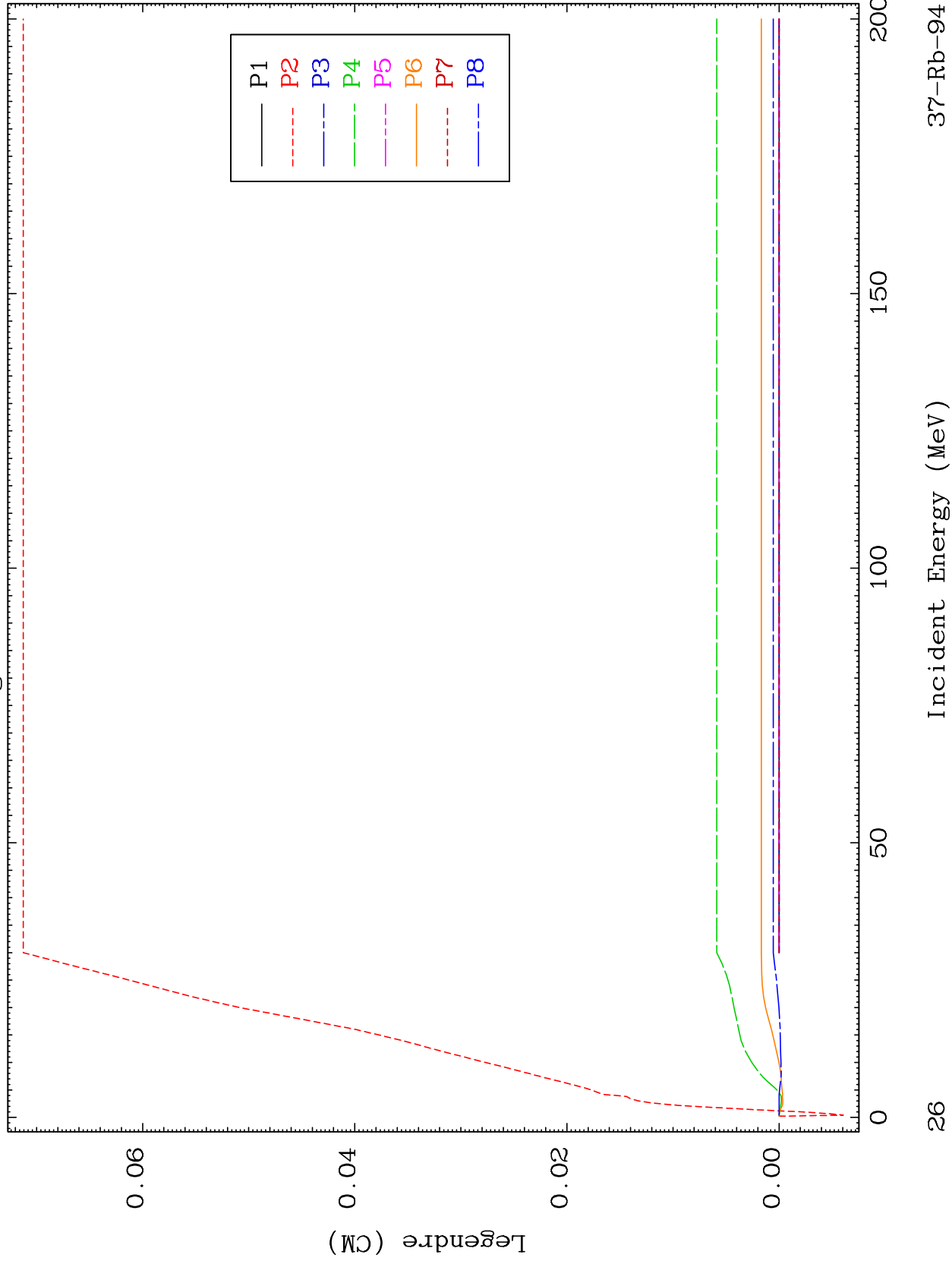
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

37-Rb-94



37-Rb-94

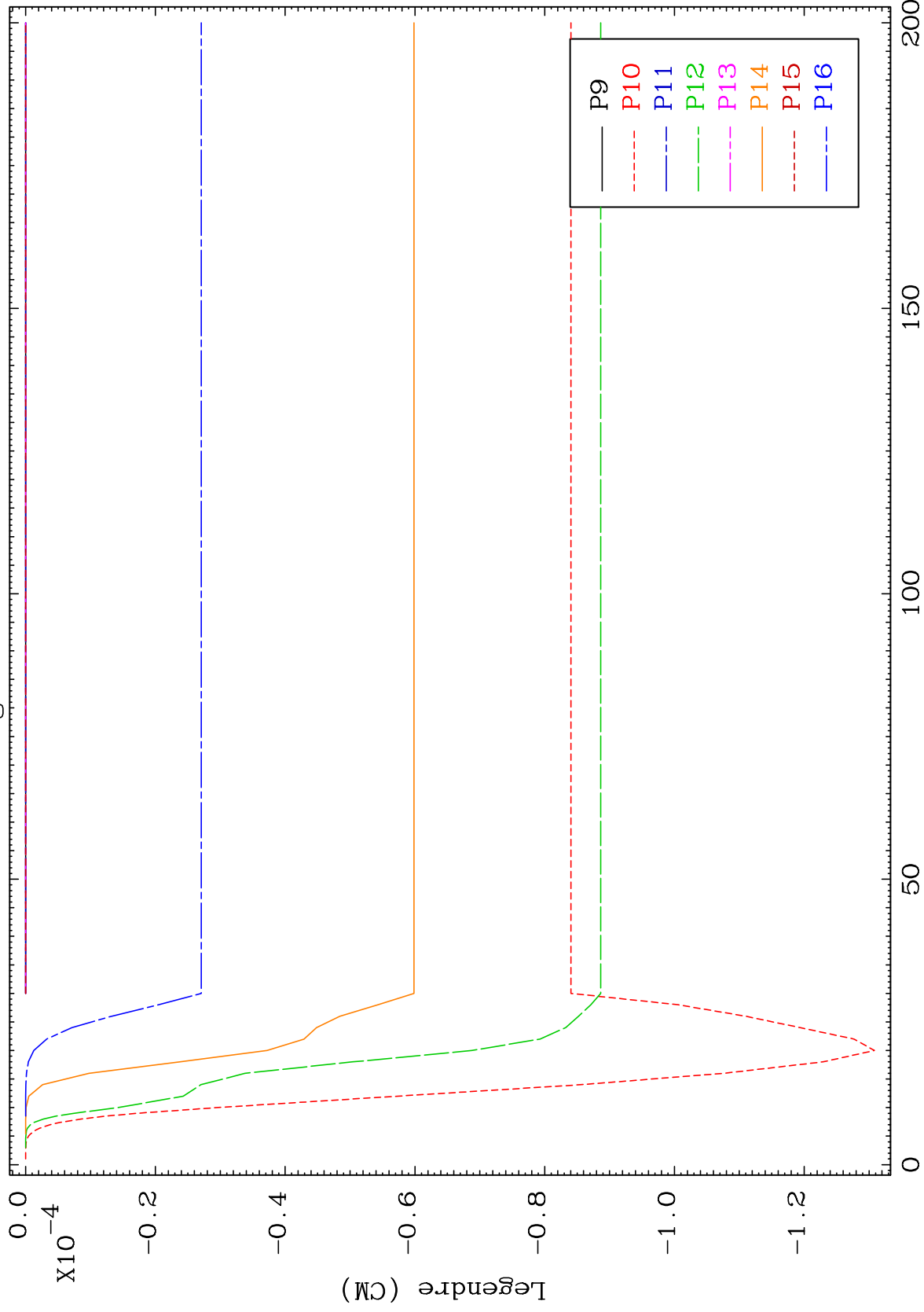
Incident Energy (MeV)

26

MAT 3752

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

37-Rb-94



27

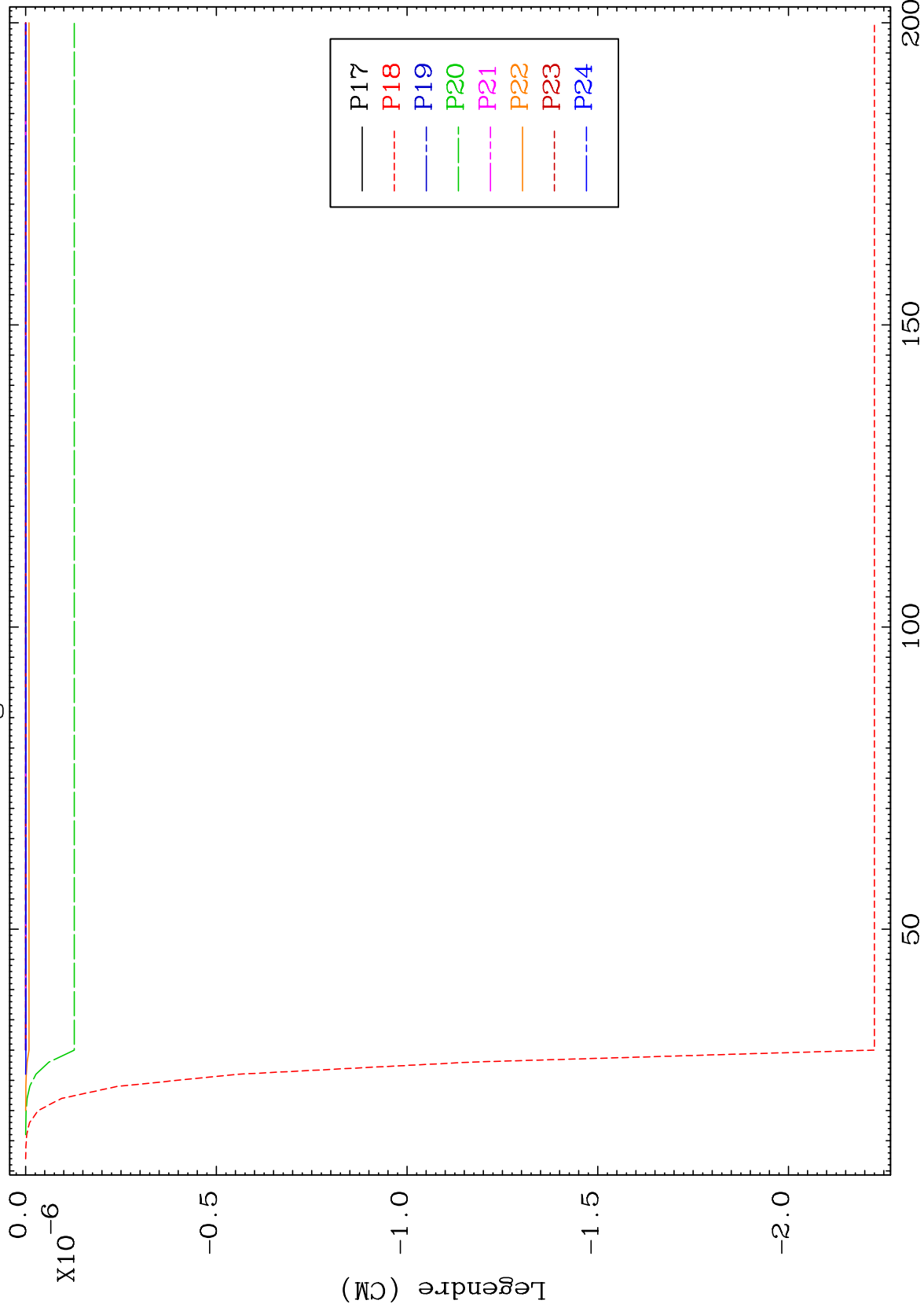
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

37-Rb-94



37-Rb-94

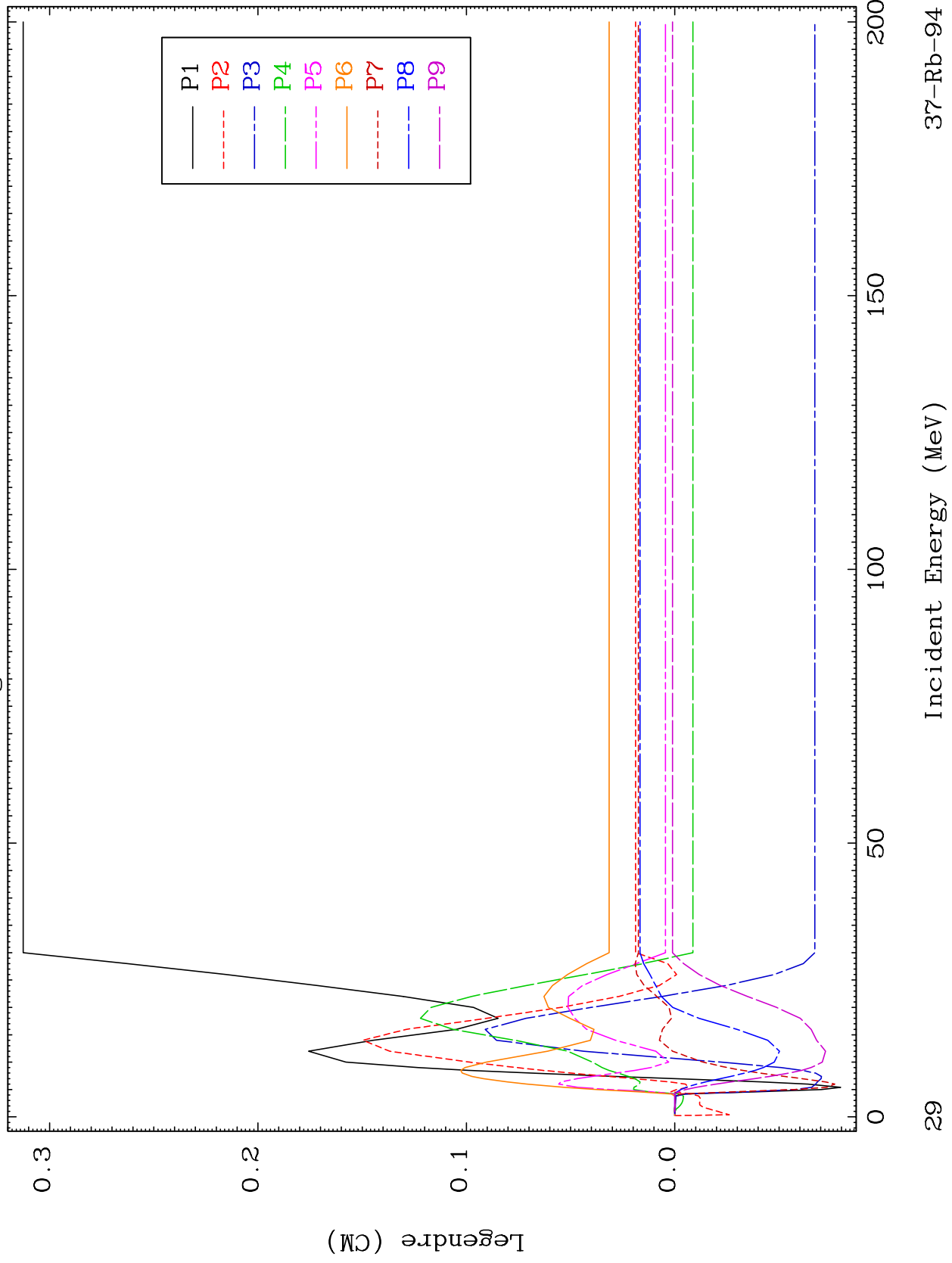
Incident Energy (MeV)

28

MAT 3752

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

37-Rb-94



29

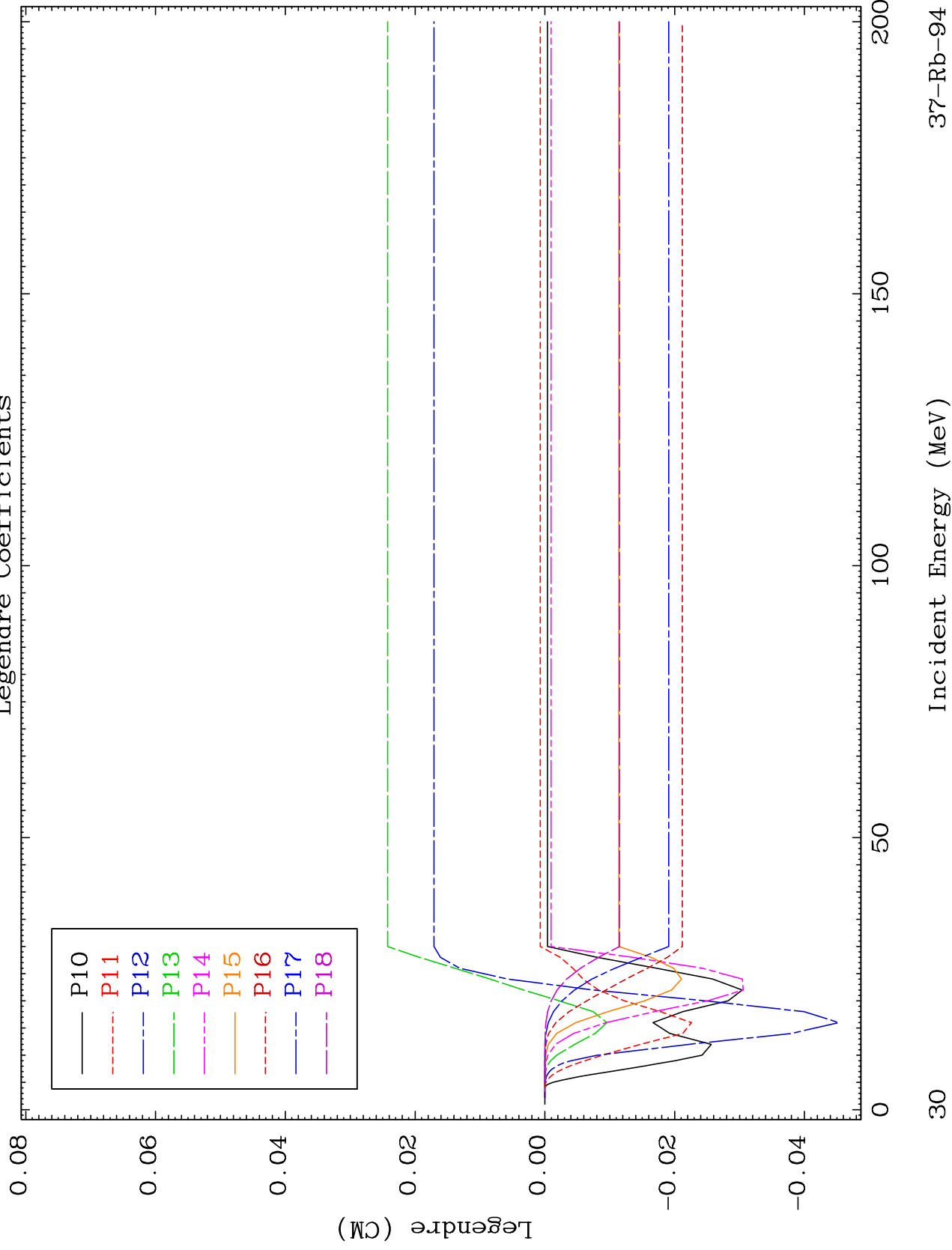
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

37-Rb-94



37-Rb-94

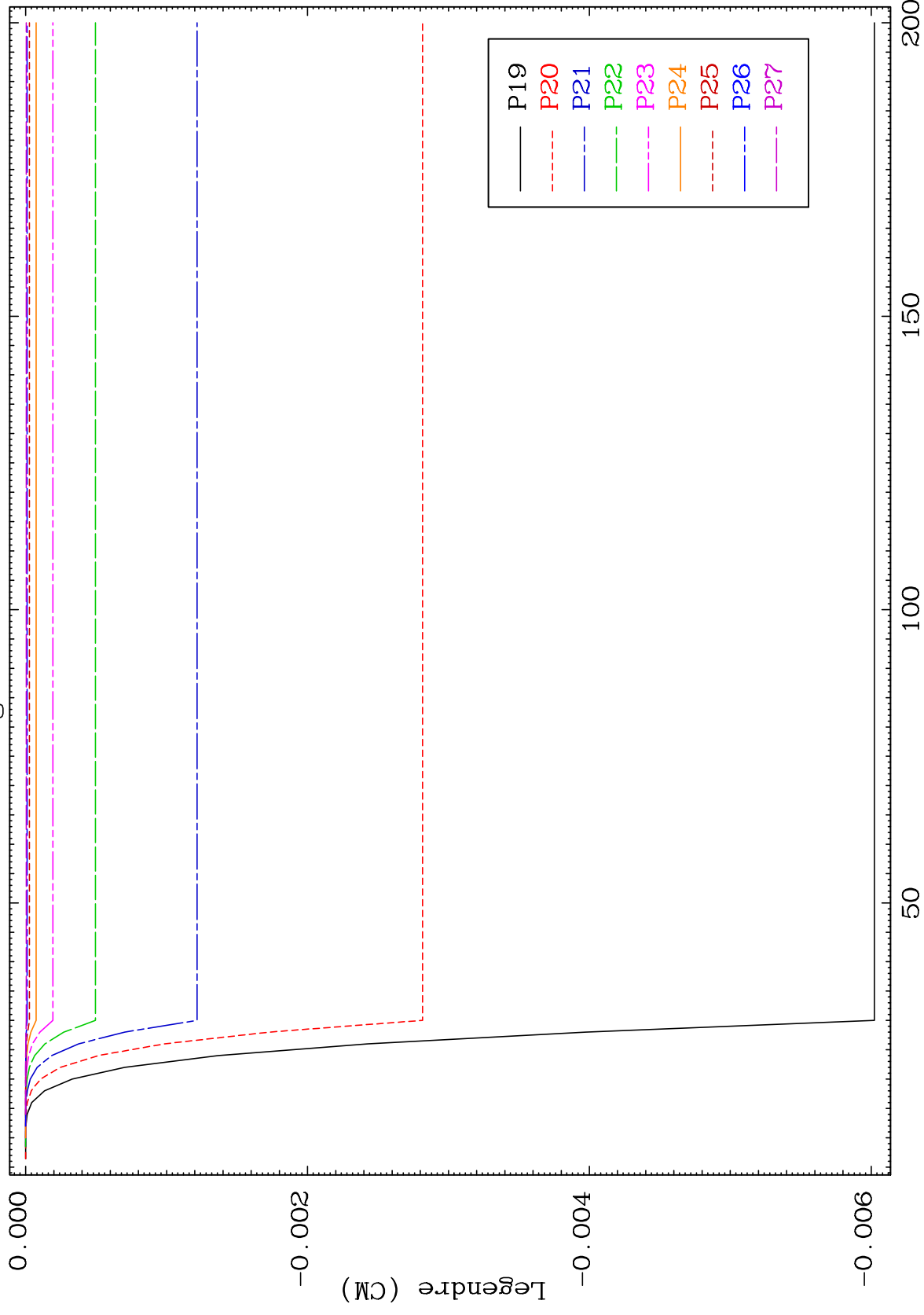
Incident Energy (MeV)

30

MAT 3752

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

37-Rb-94

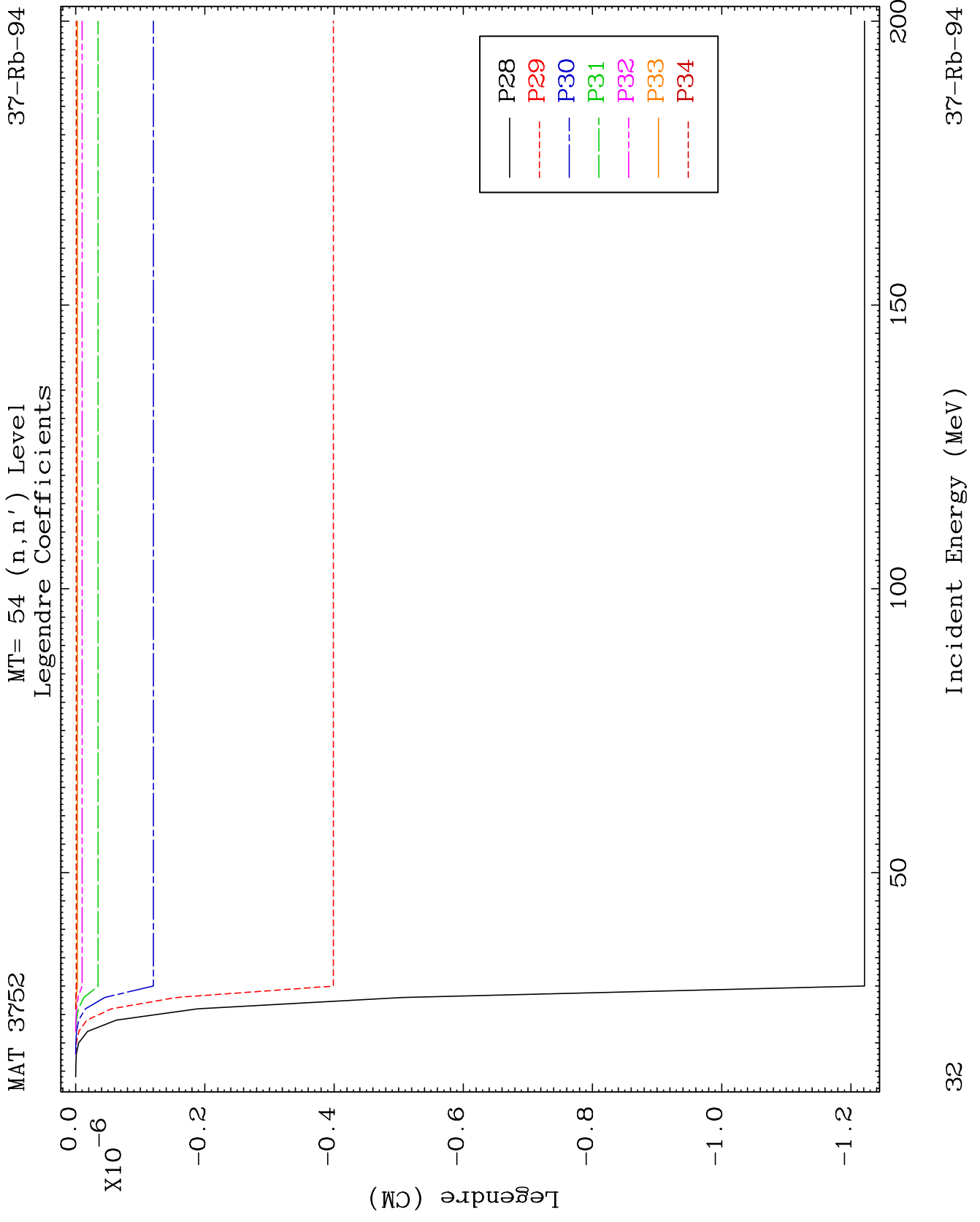


31

Incident Energy (MeV)

37-Rb-94

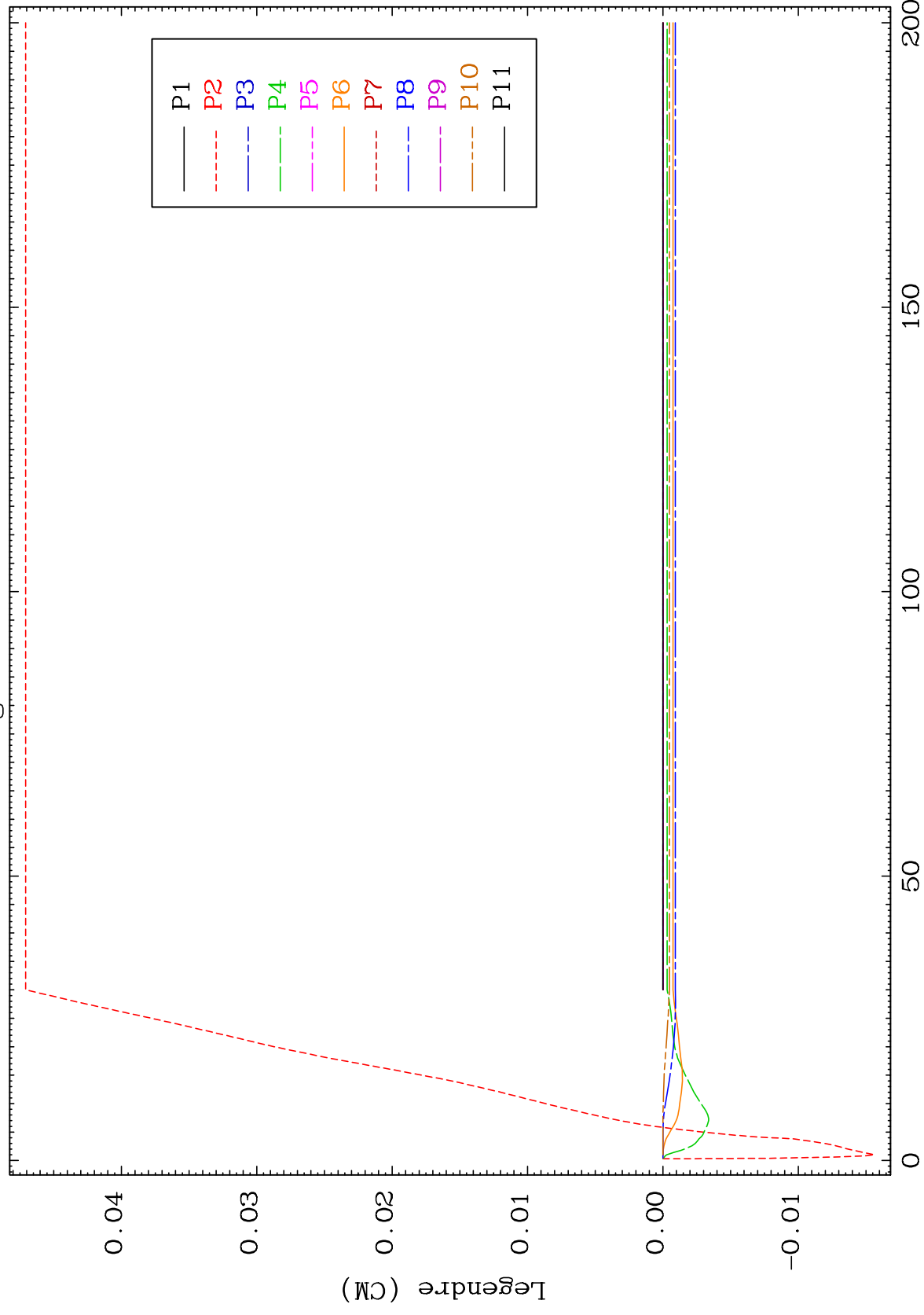




MAT 3752

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

37-Rb-94



33

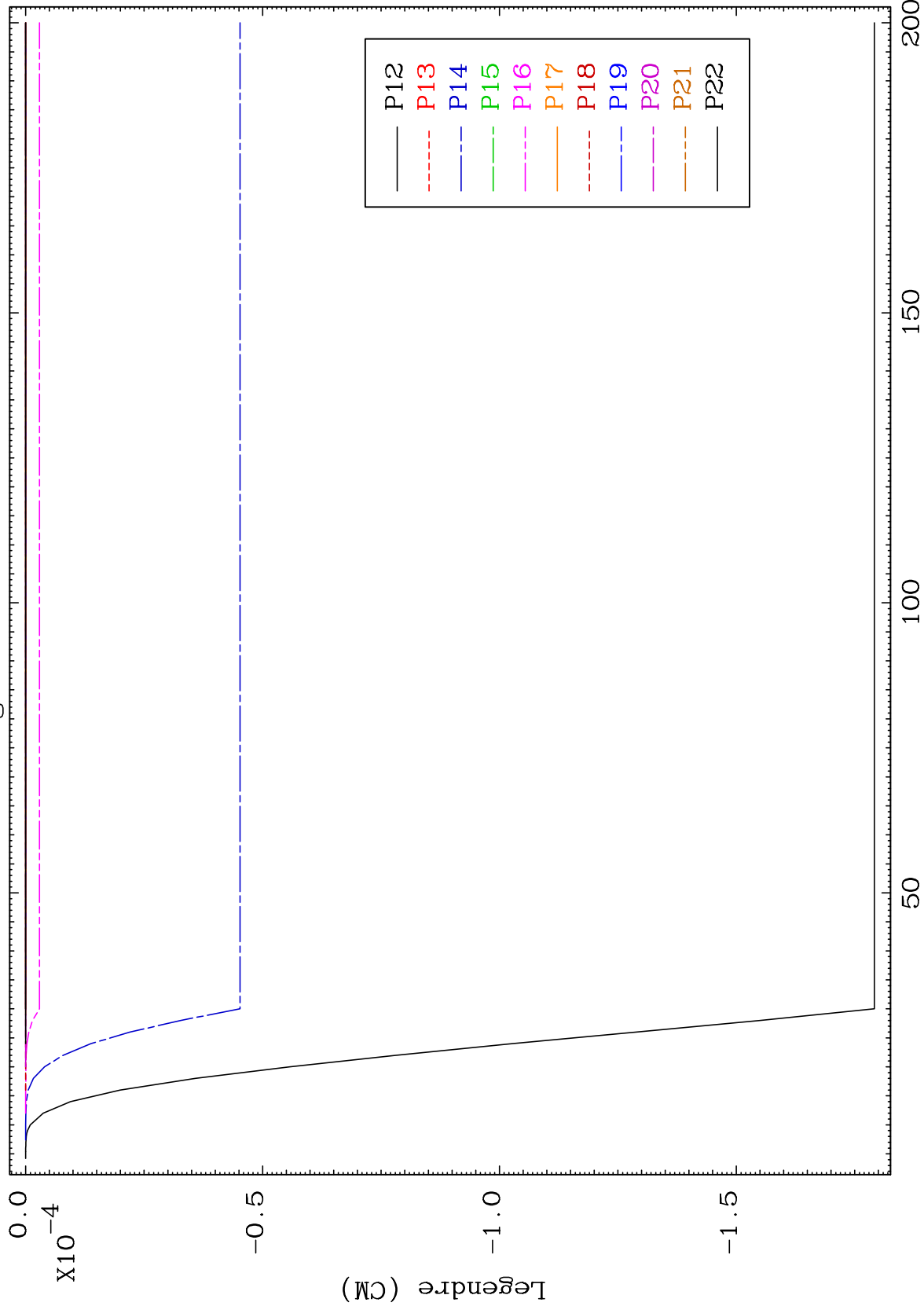
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

37-Rb-94



34

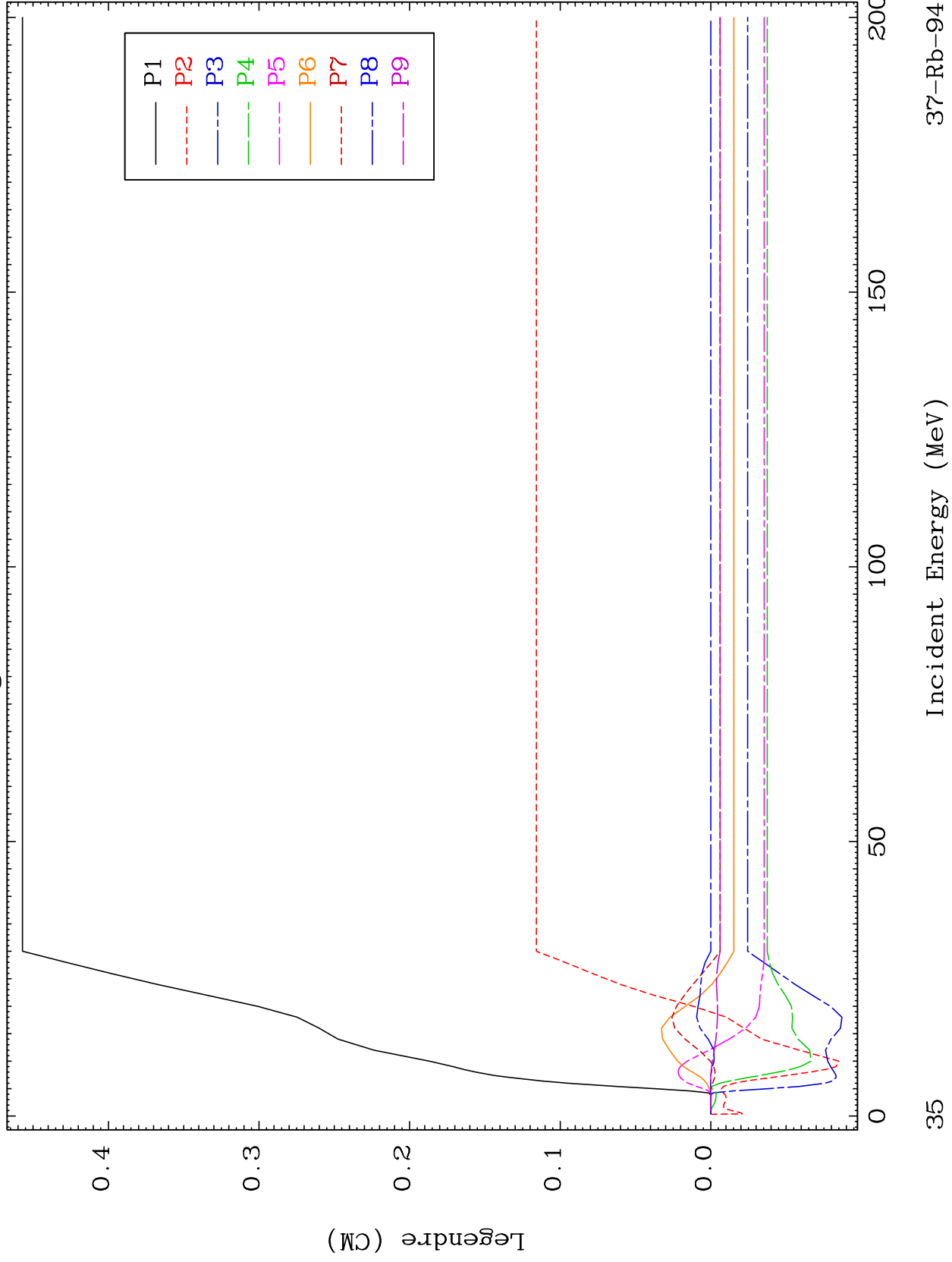
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

37-Rb-94



37-Rb-94

Incident Energy (MeV)

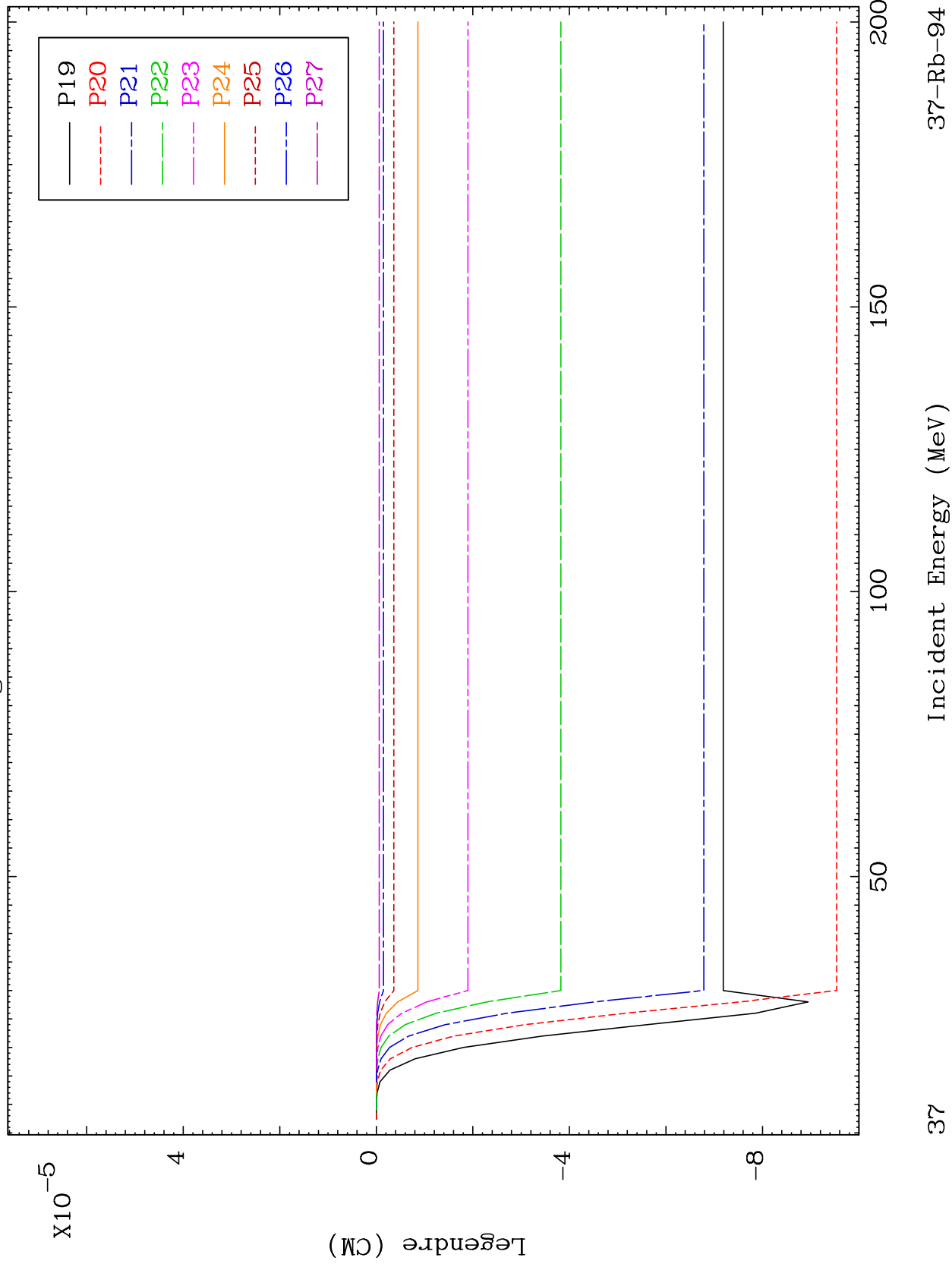
35



MAT 3752

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

37-Rb-94



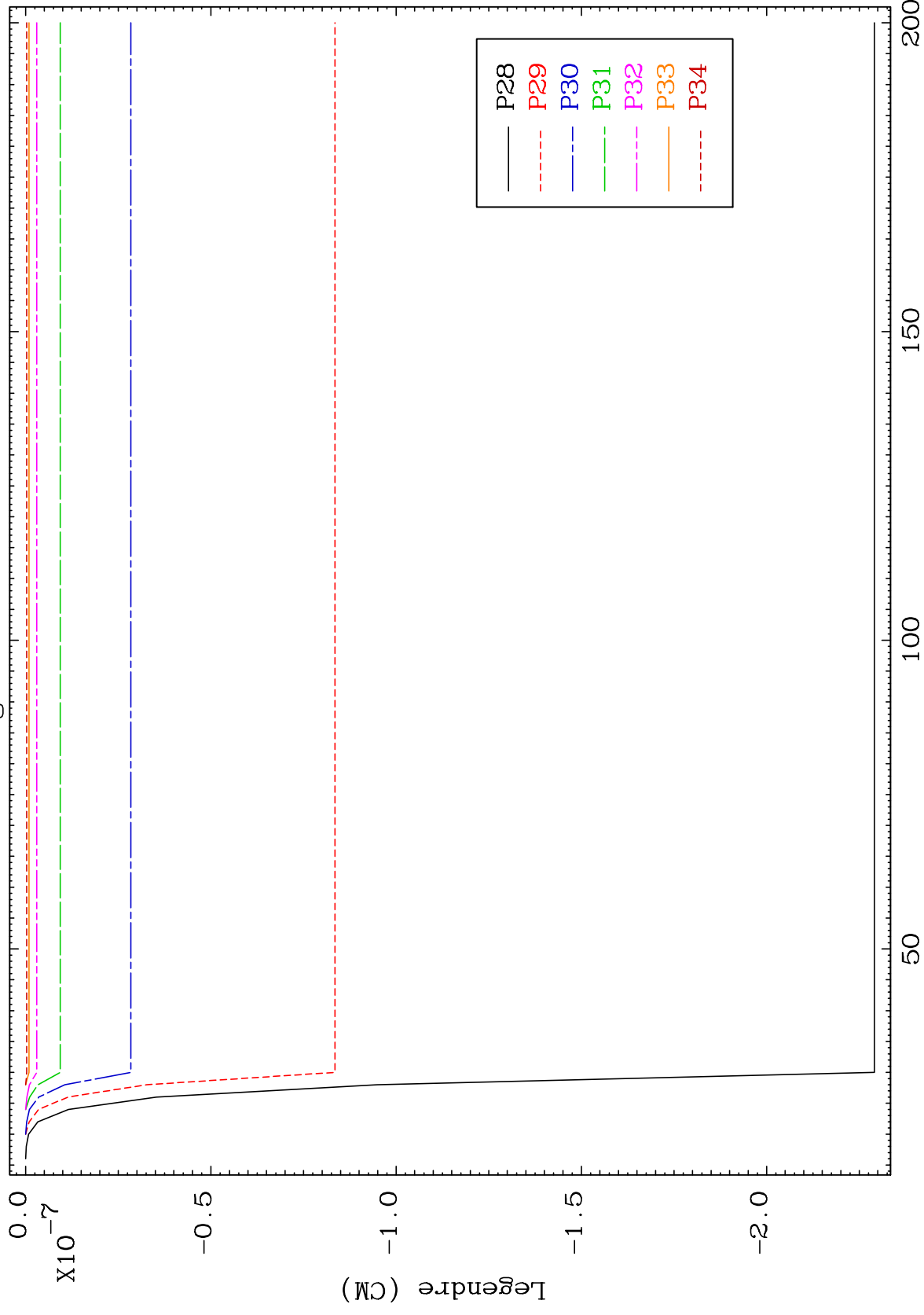
37

37-Rb-94

MAT 3752

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

37-Rb-94



38

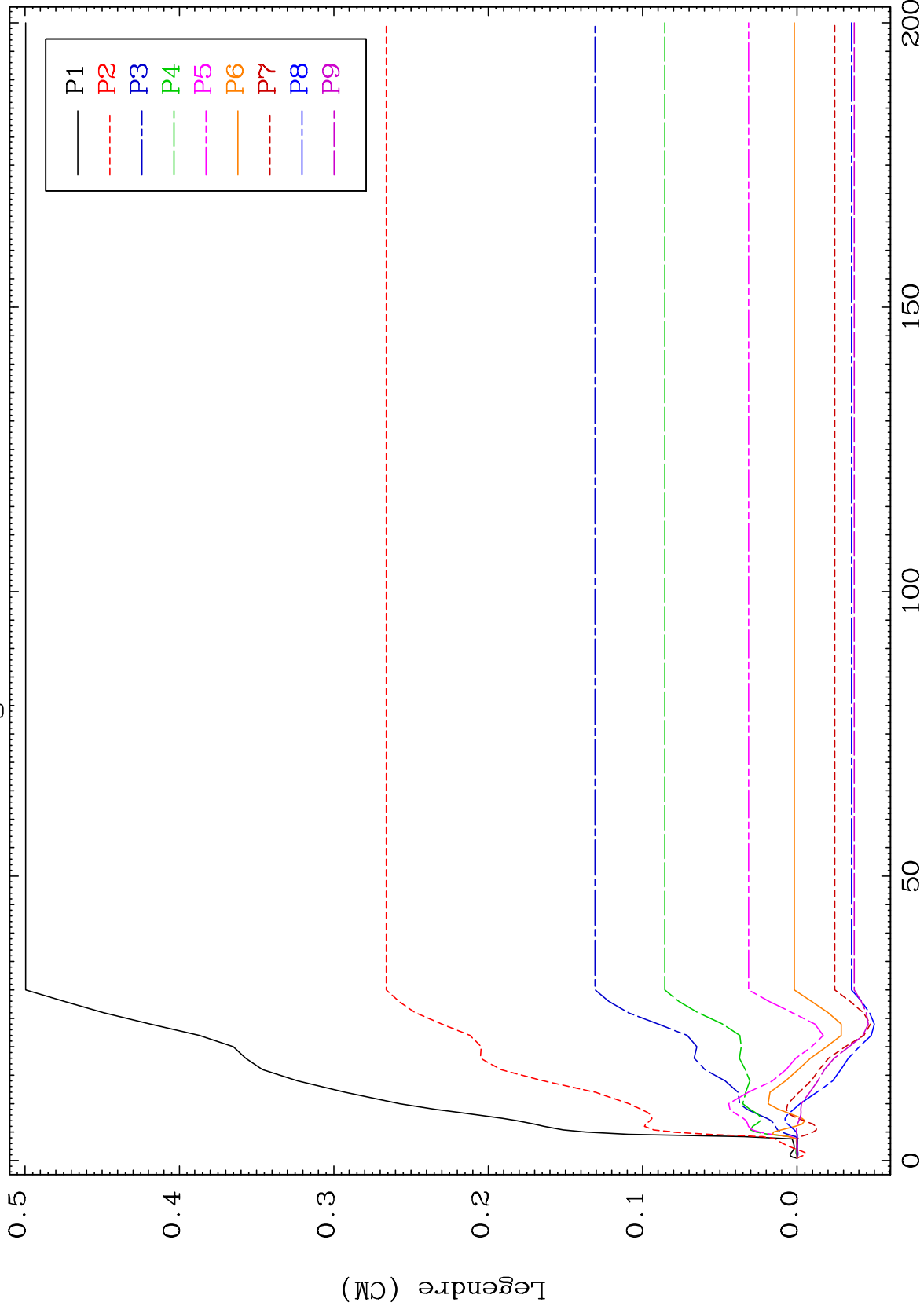
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

37-Rb-94



39

Incident Energy (MeV)

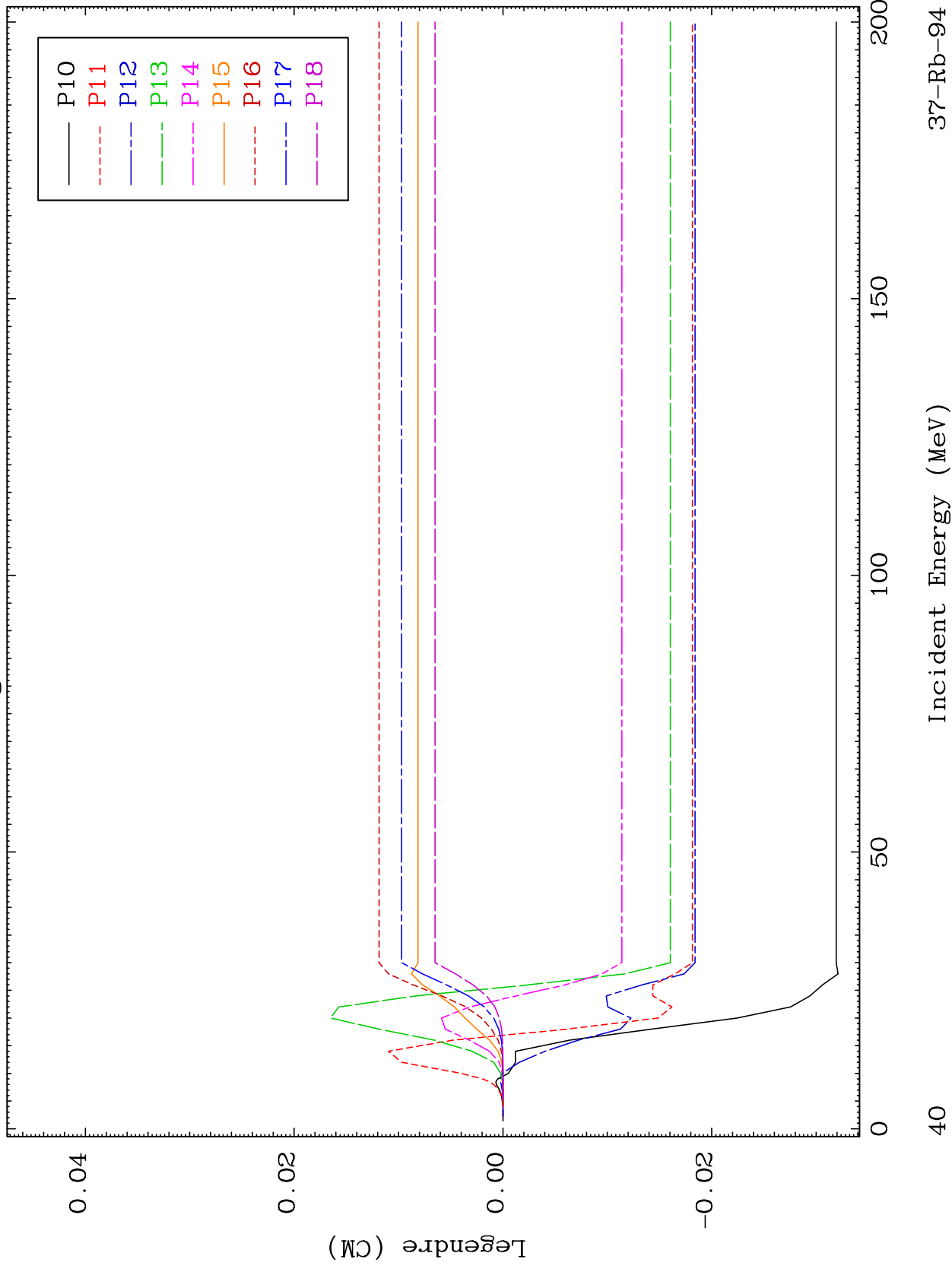
37-Rb-94



MAT 3752

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

37-Rb-94



37-Rb-94

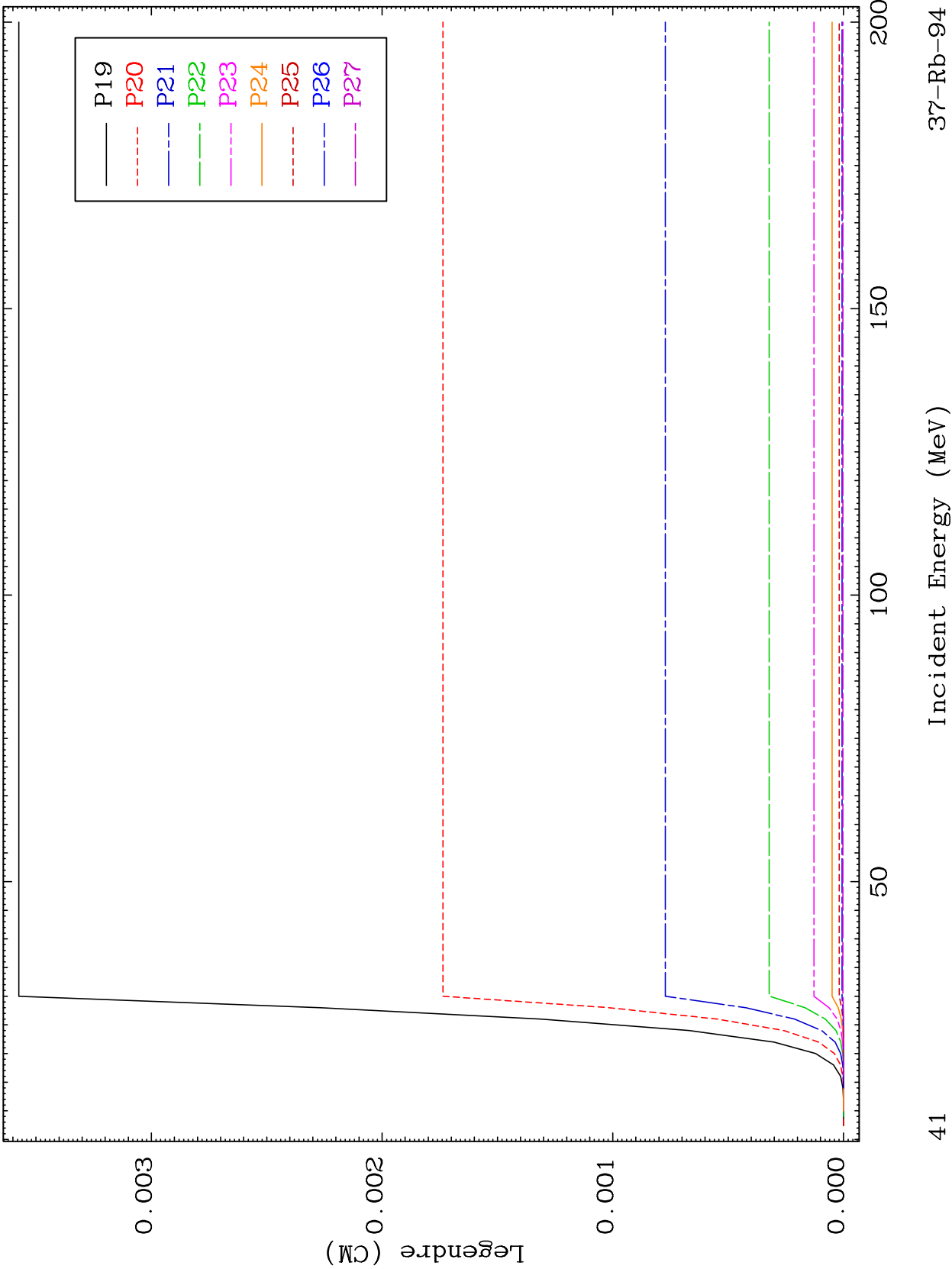
Incident Energy (MeV)

40

MAT 3752

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

37-Rb-94



41

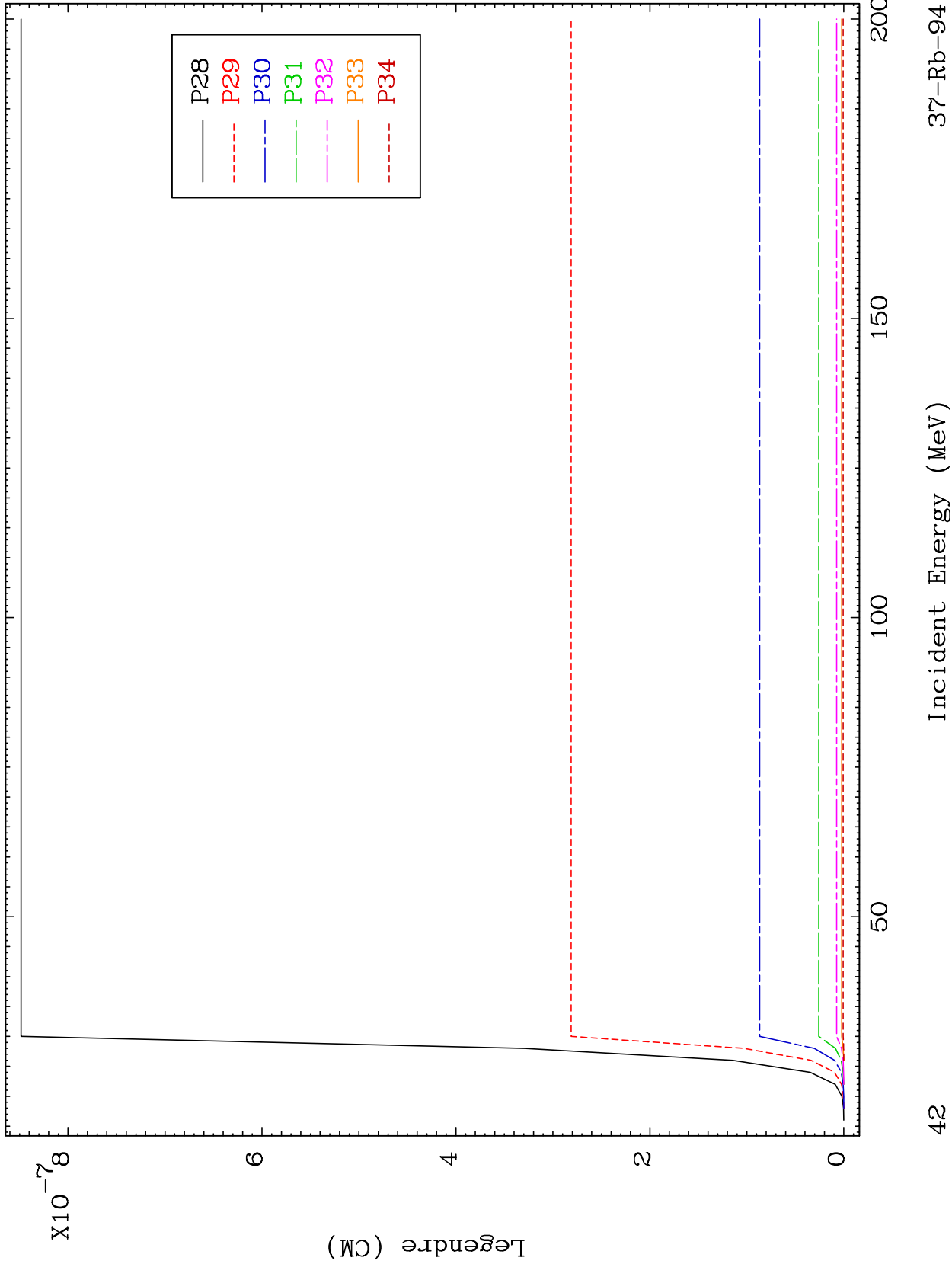
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

37-Rb-94



42

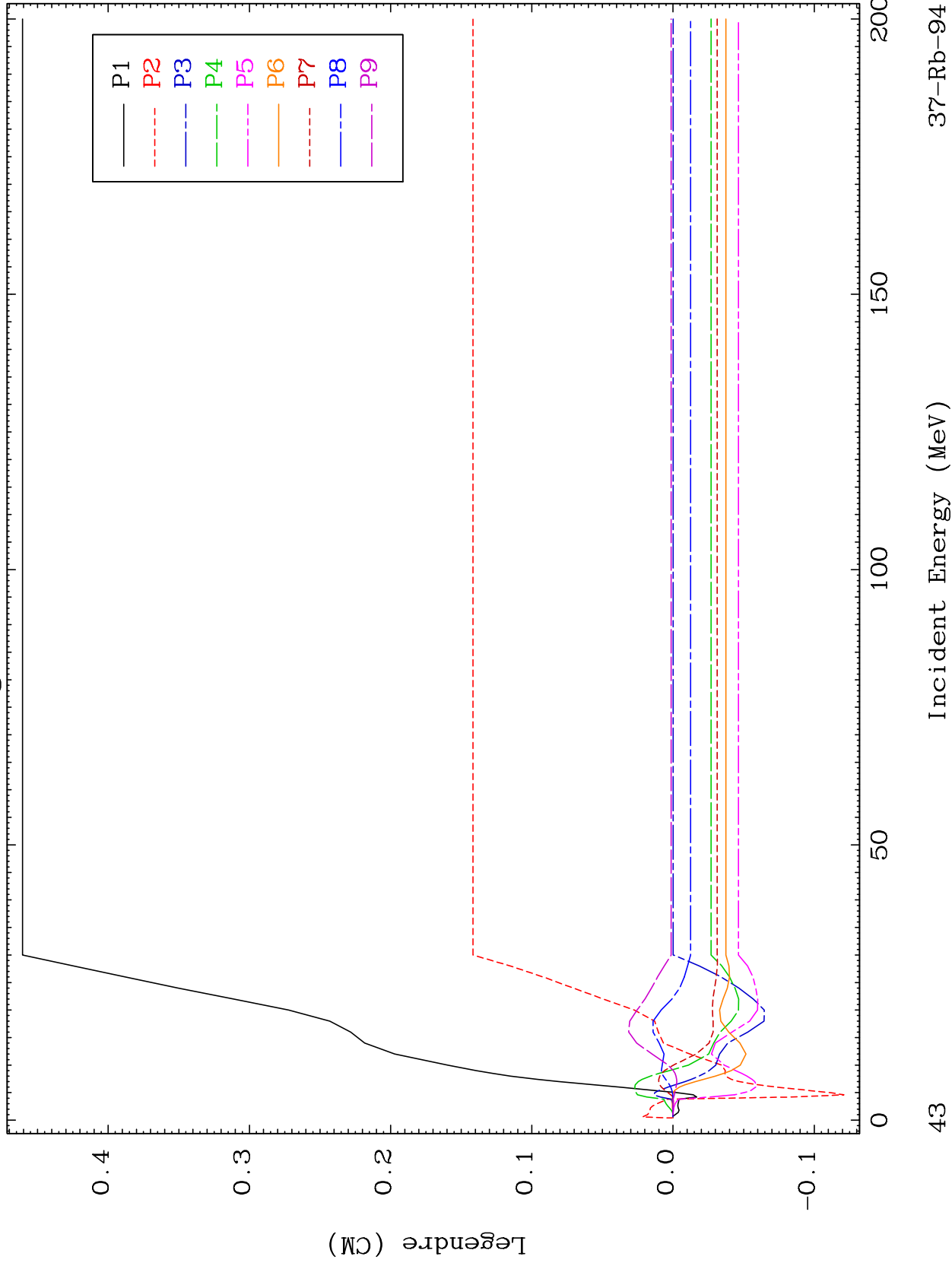
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

37-Rb-94



37-Rb-94

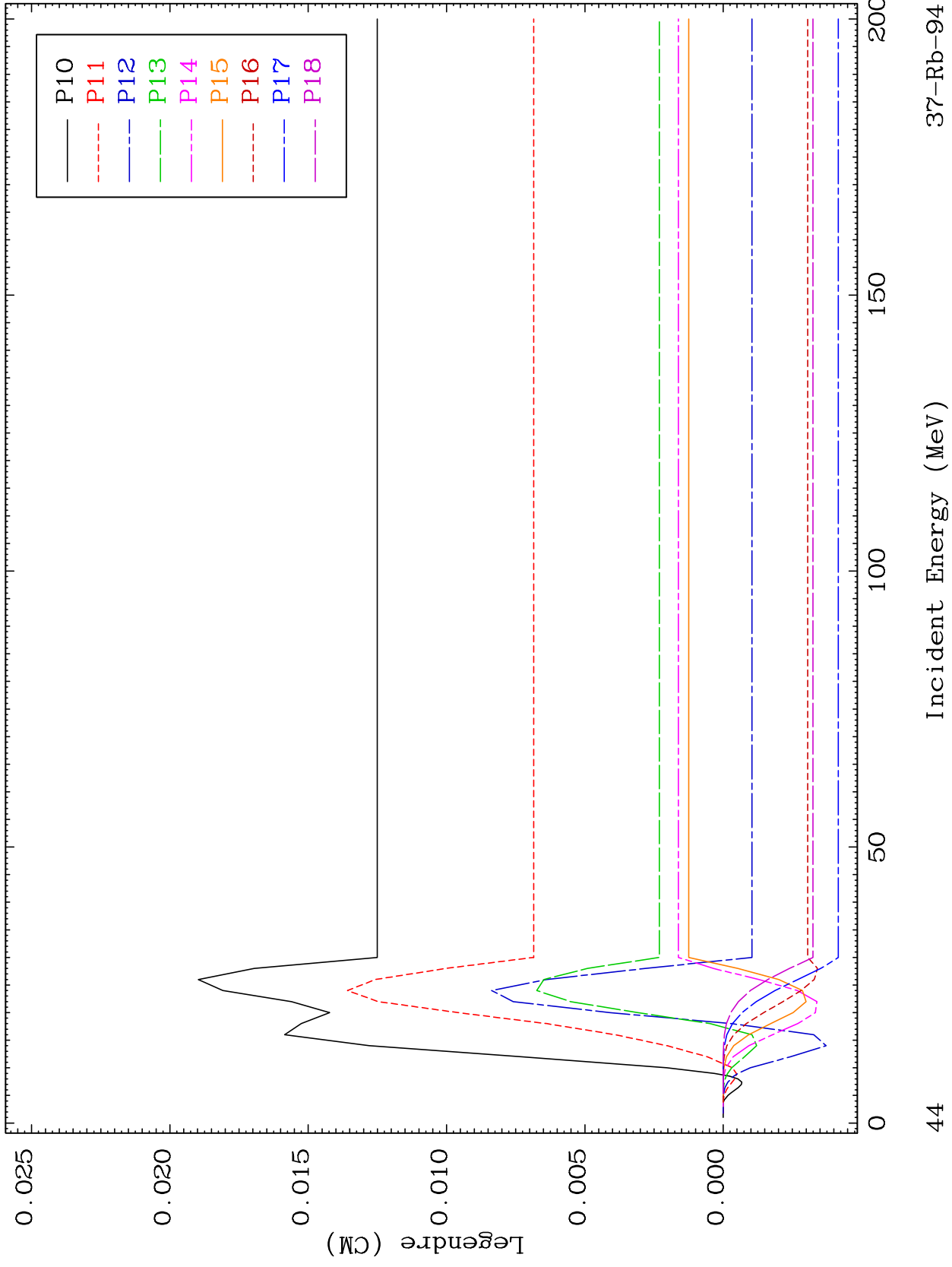
Incident Energy (MeV)

43

MAT 3752

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

37-Rb-94



44

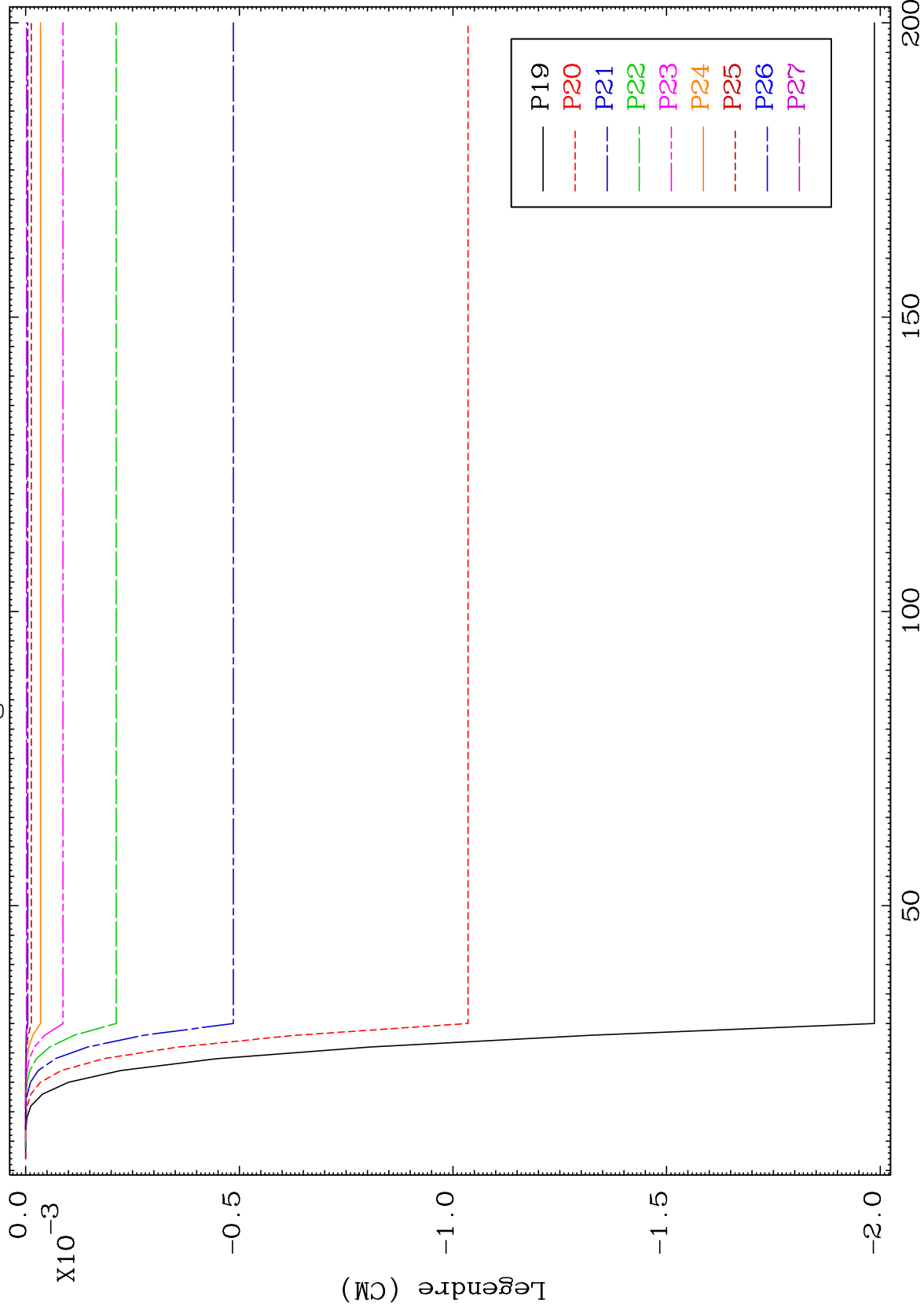
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

37-Rb-94



37-Rb-94

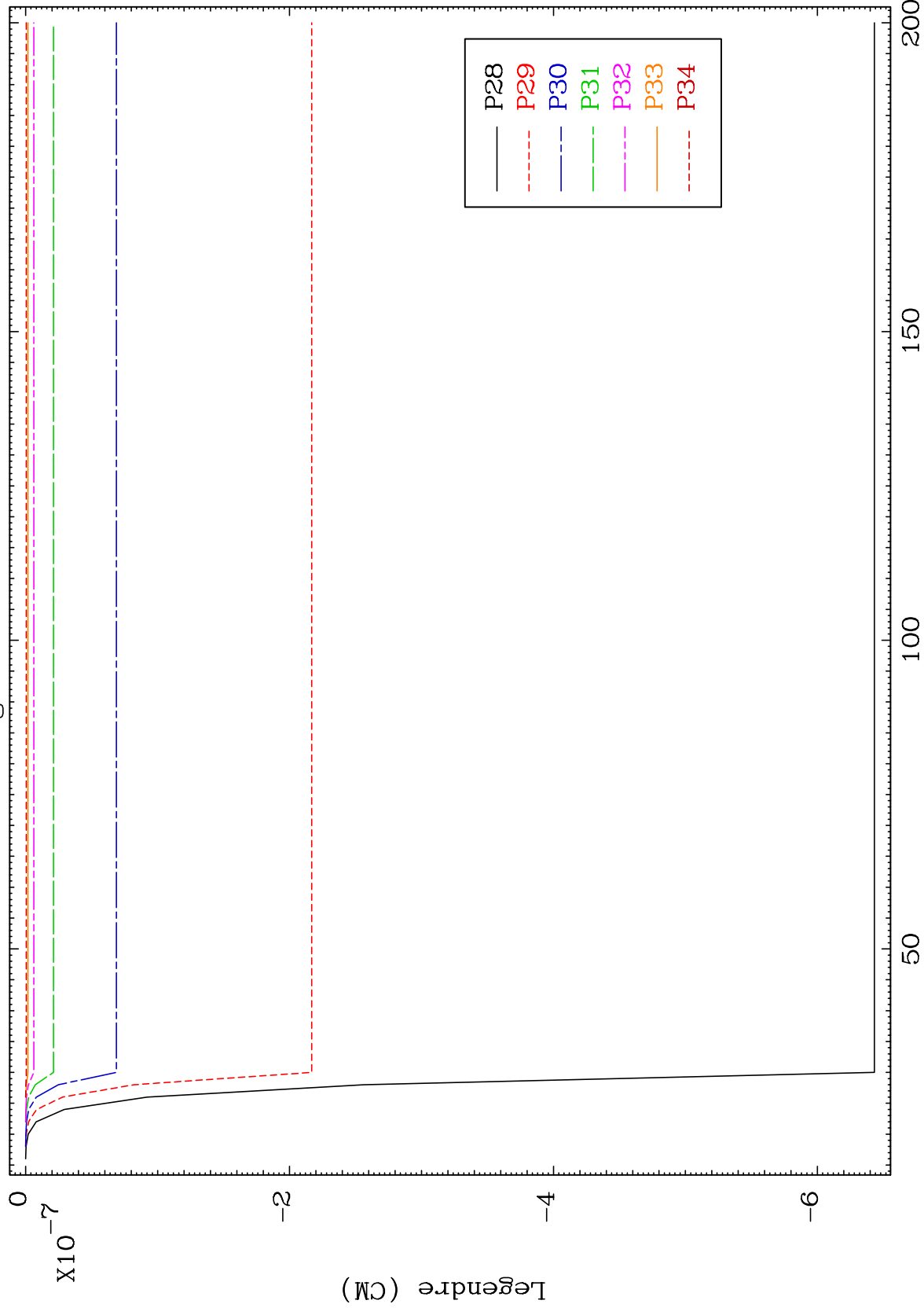
Incident Energy (MeV)

45

MAT 3752

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

37-Rb-94



46

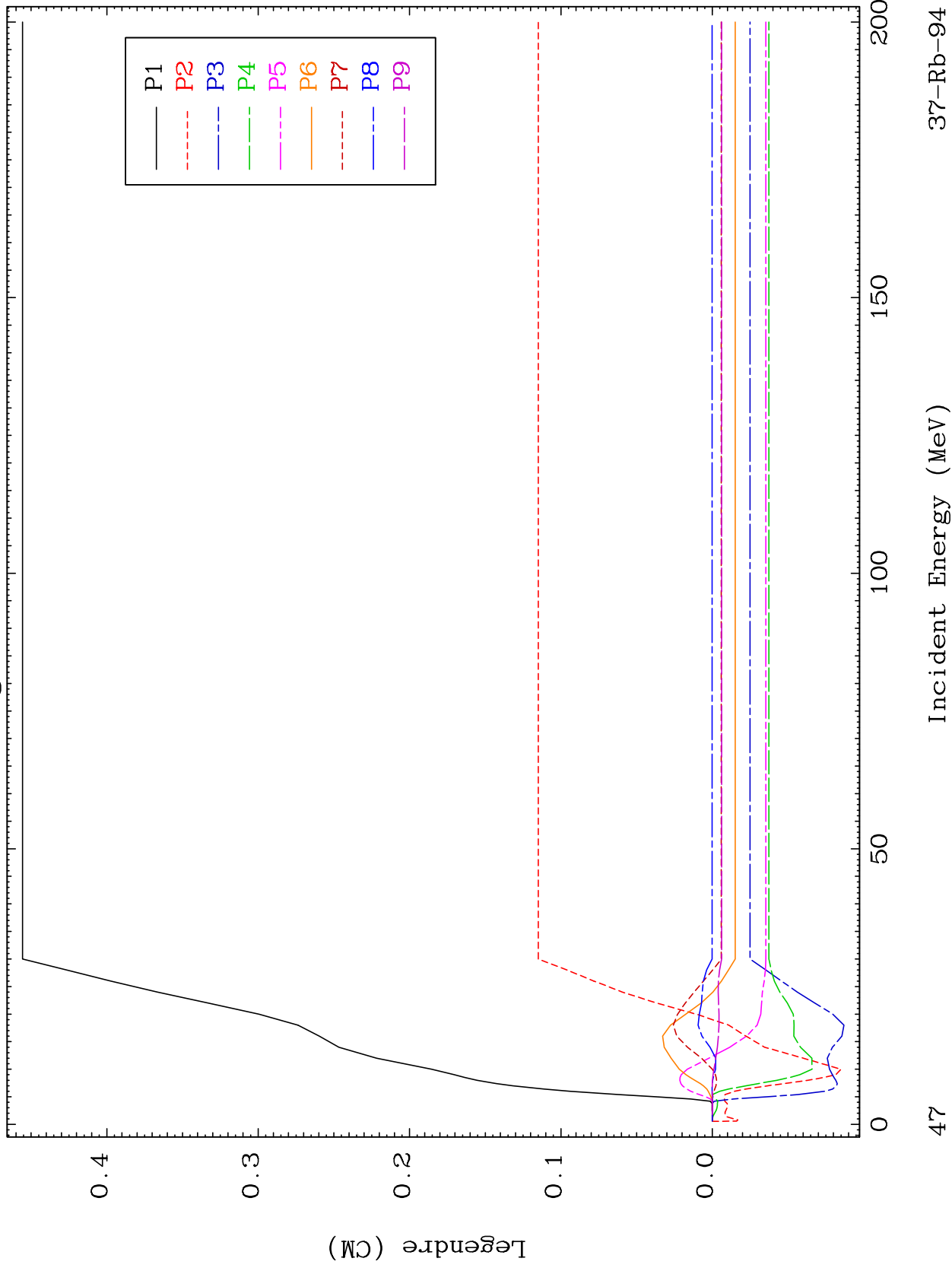
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

37-Rb-94

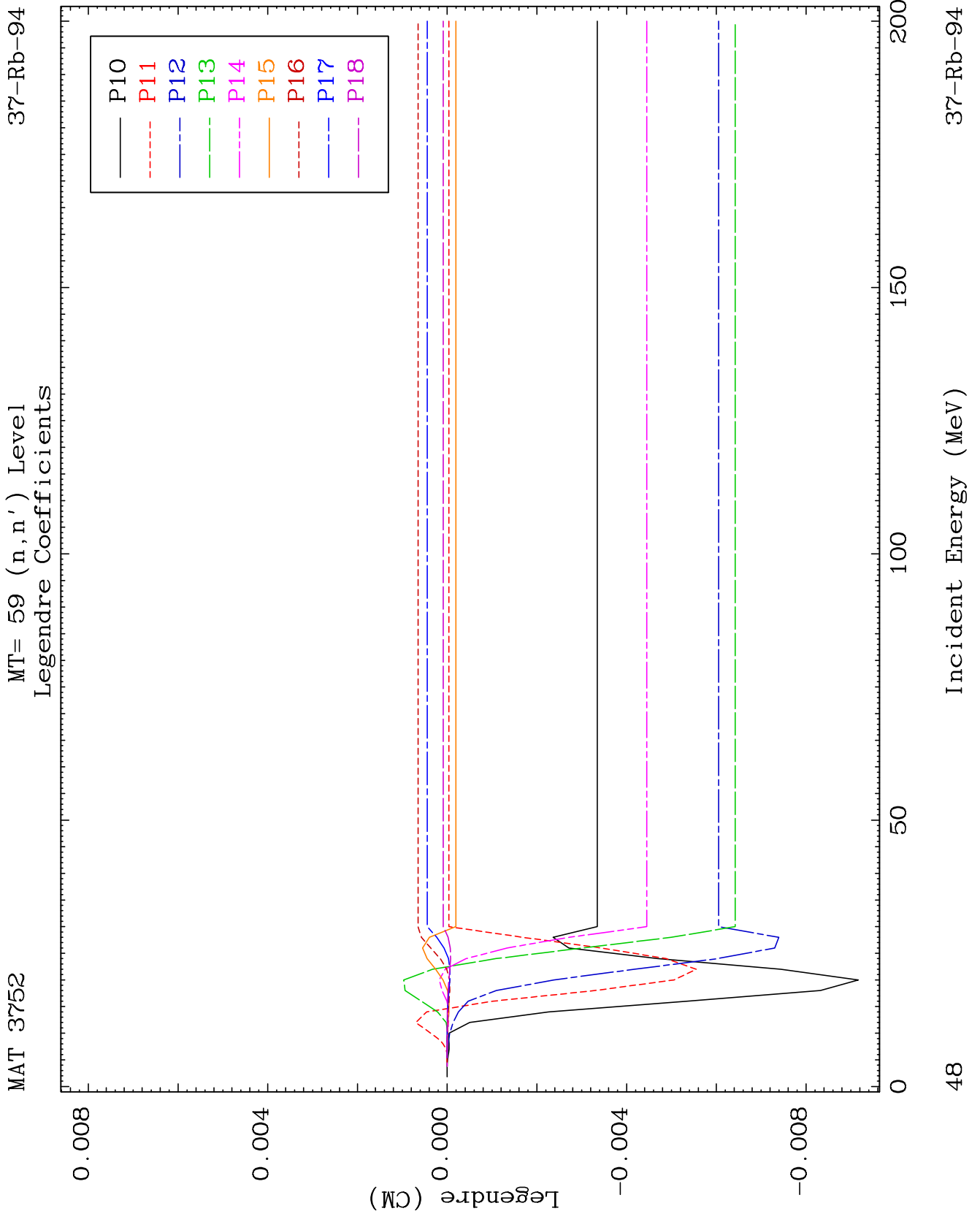


37-Rb-94

Incident Energy (MeV)

47

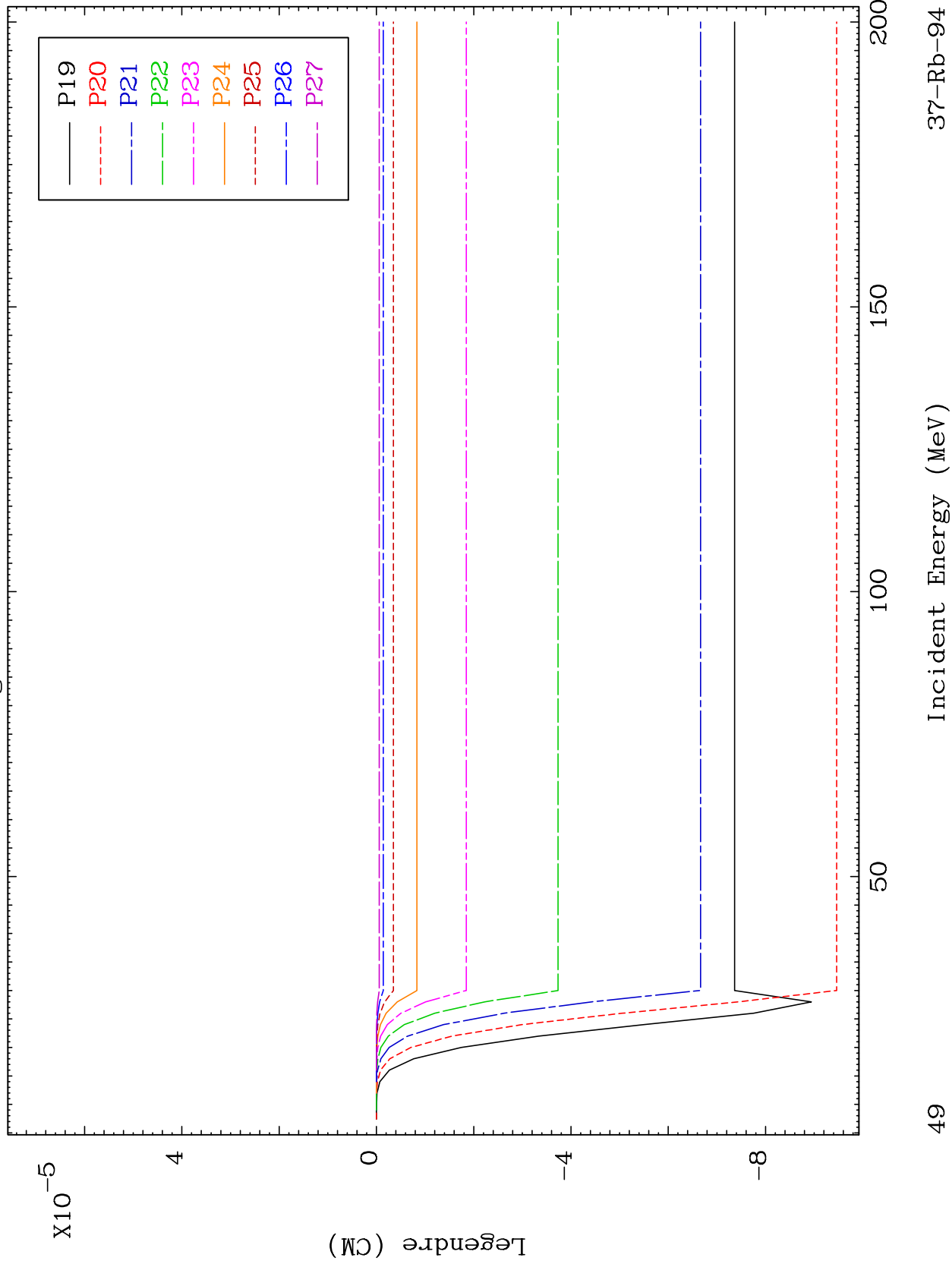




MAT 3752

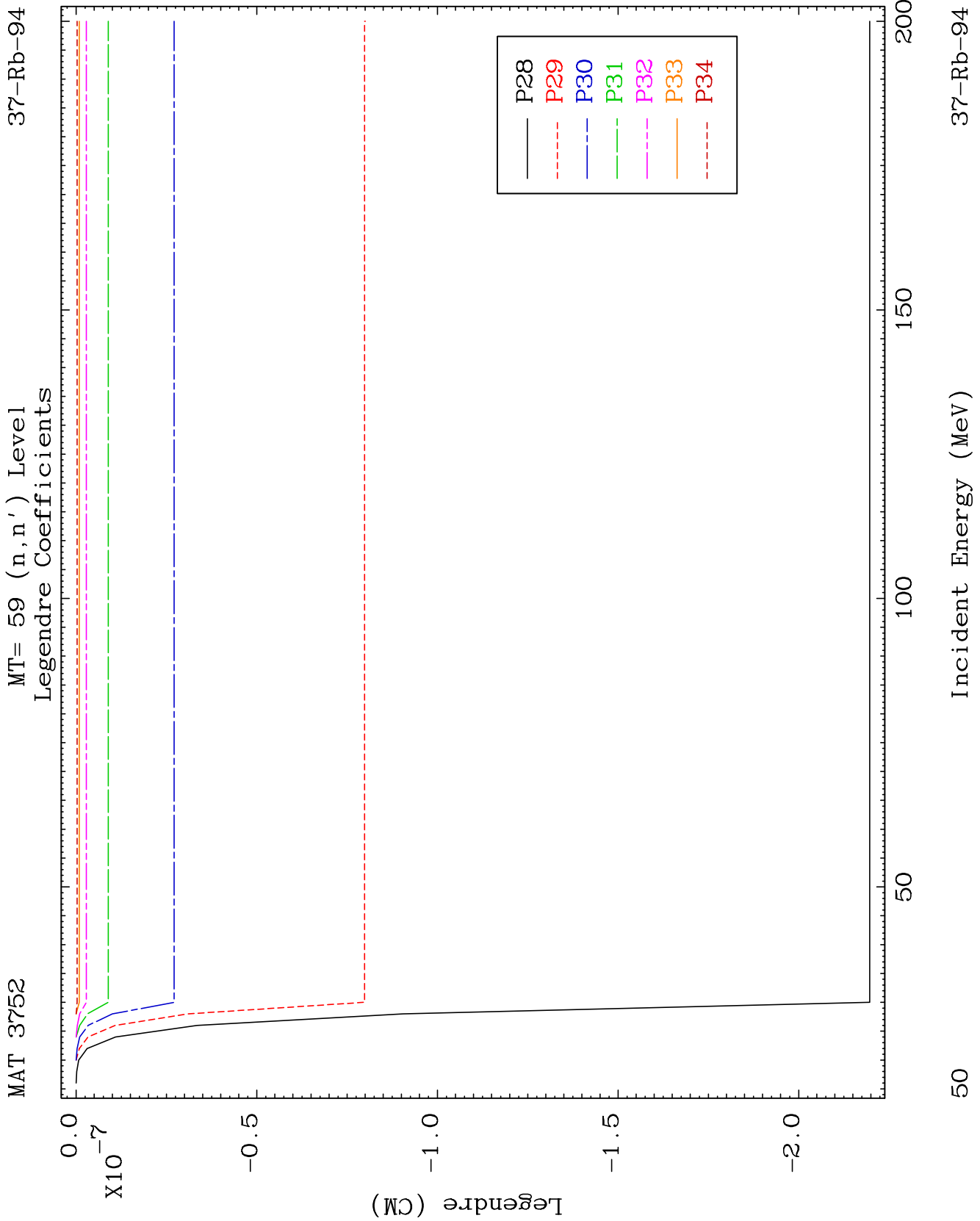
MT= 59 (n,n') Level  
Legendre Coefficients

37-Rb-94



49

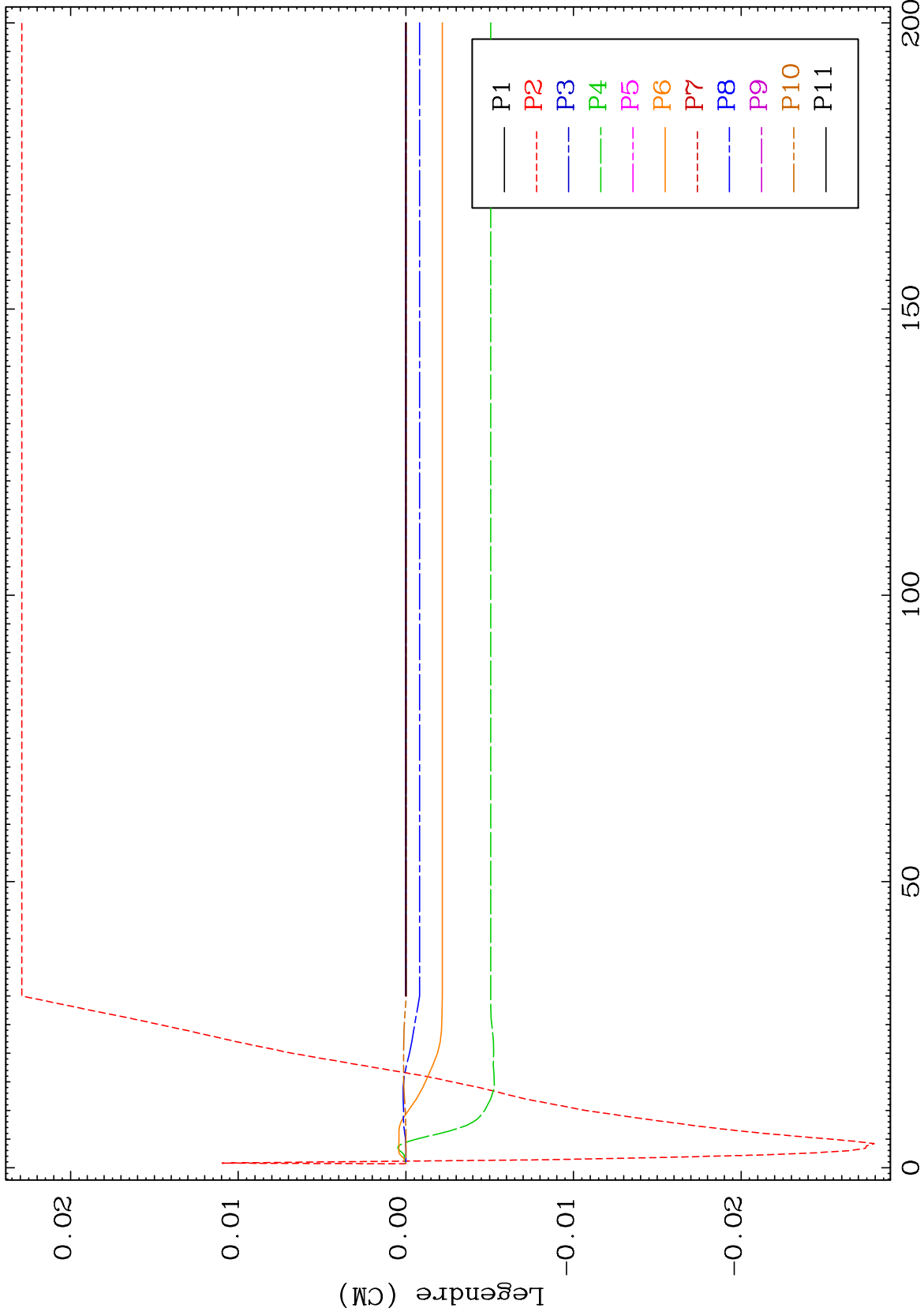
37-Rb-94



MAT 3752

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

37-Rb-94



51

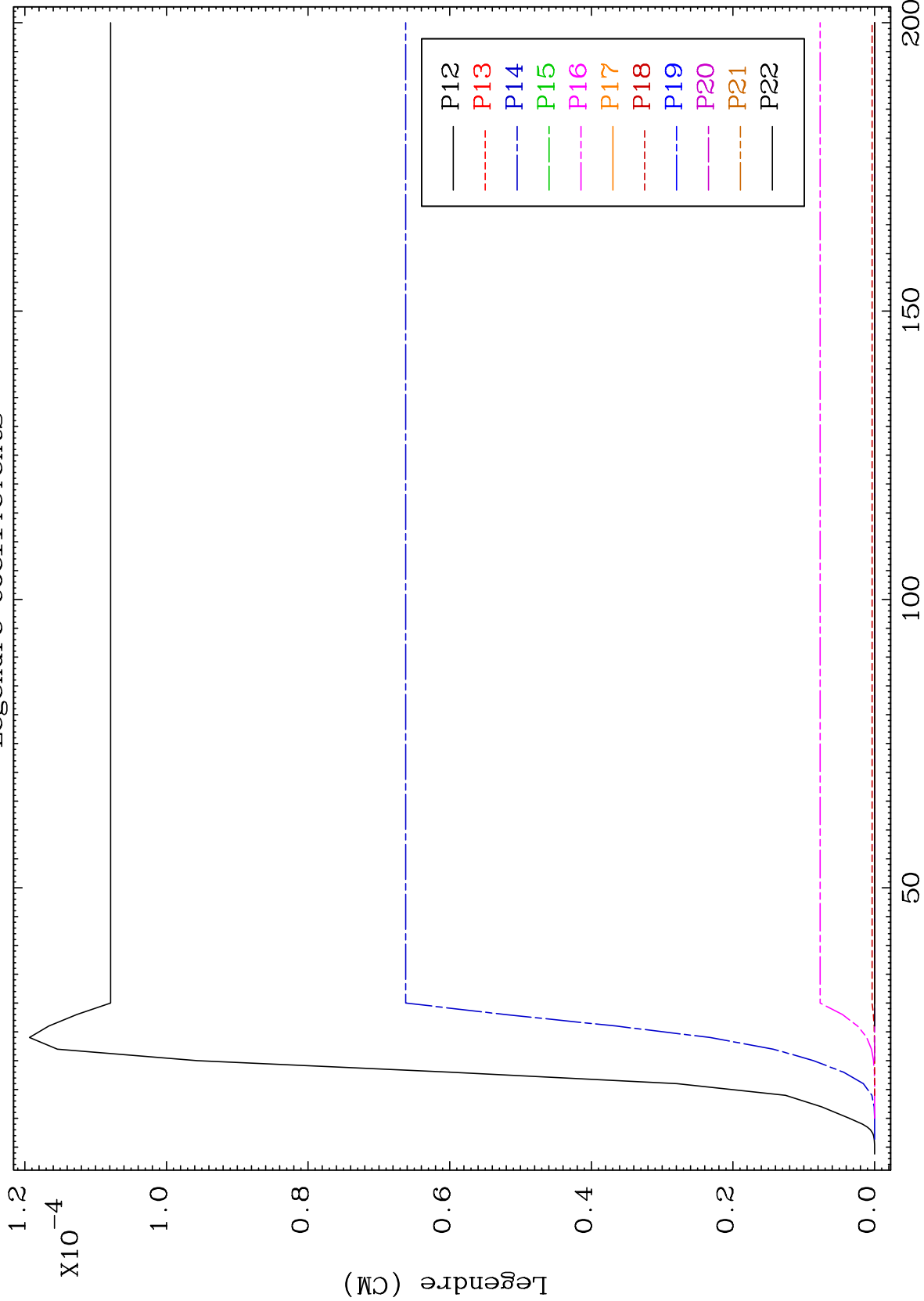
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

37-Rb-94



52

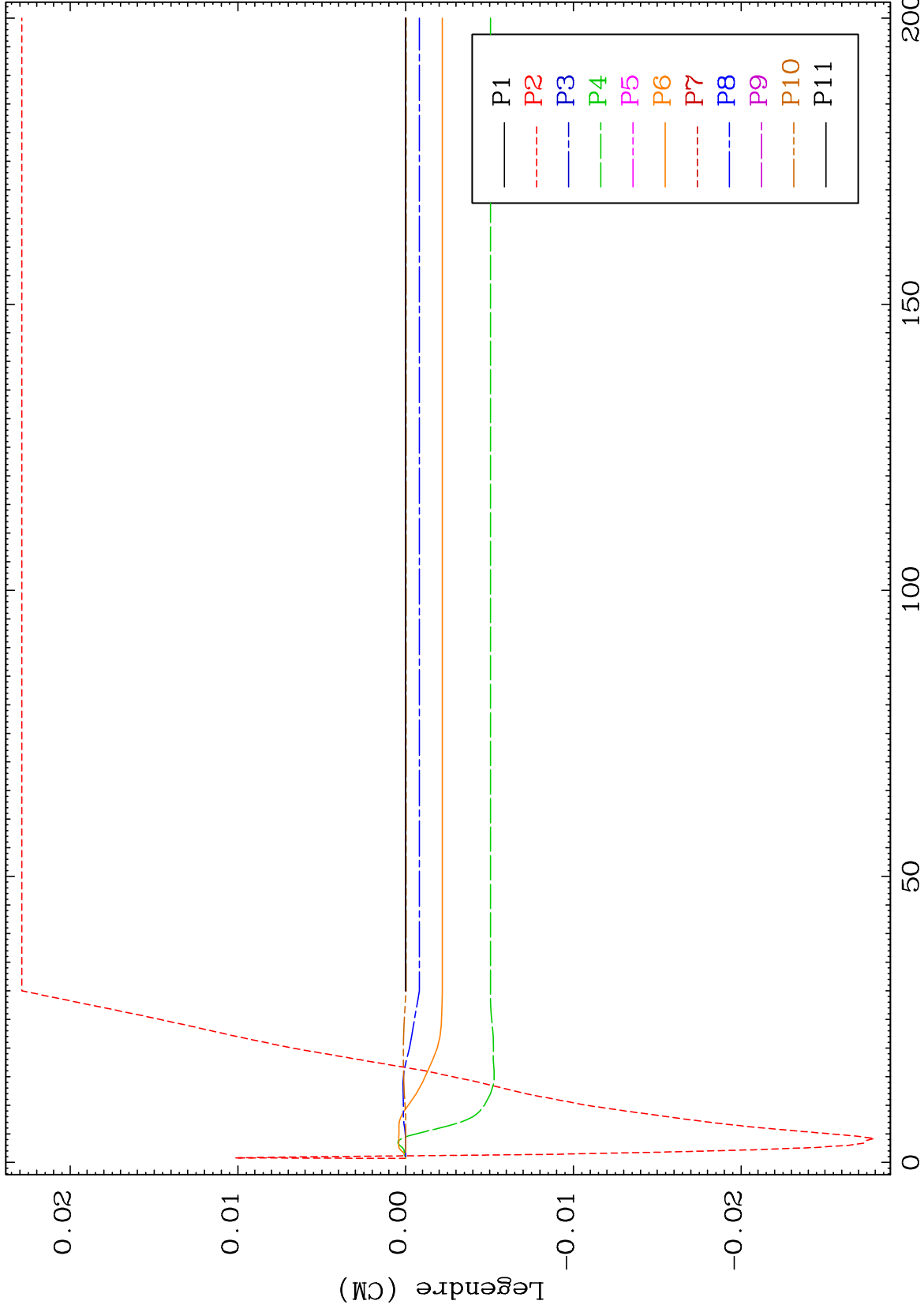
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

37-Rb-94



37-Rb-94

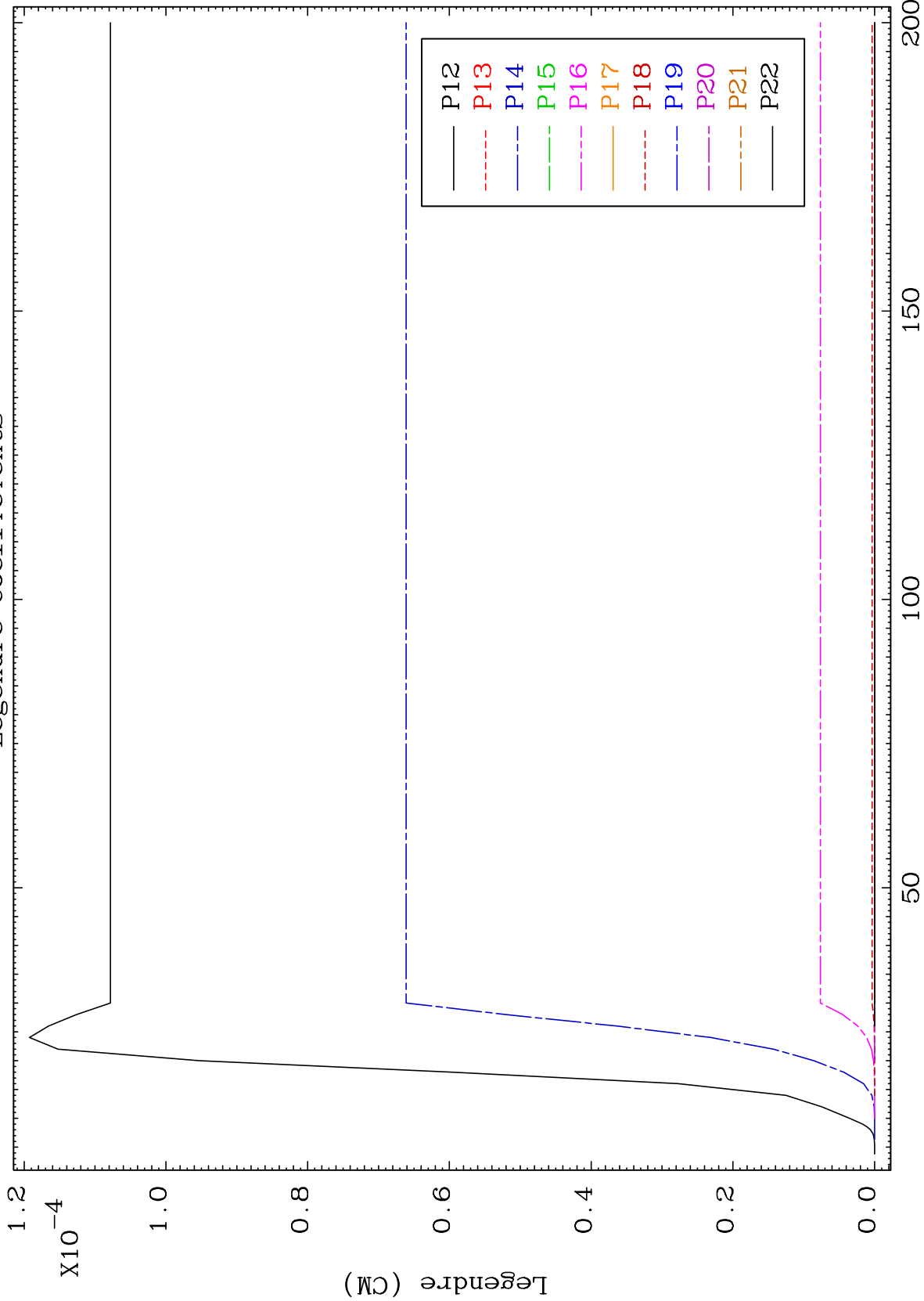
Incident Energy (MeV)

53

MAT 3752

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

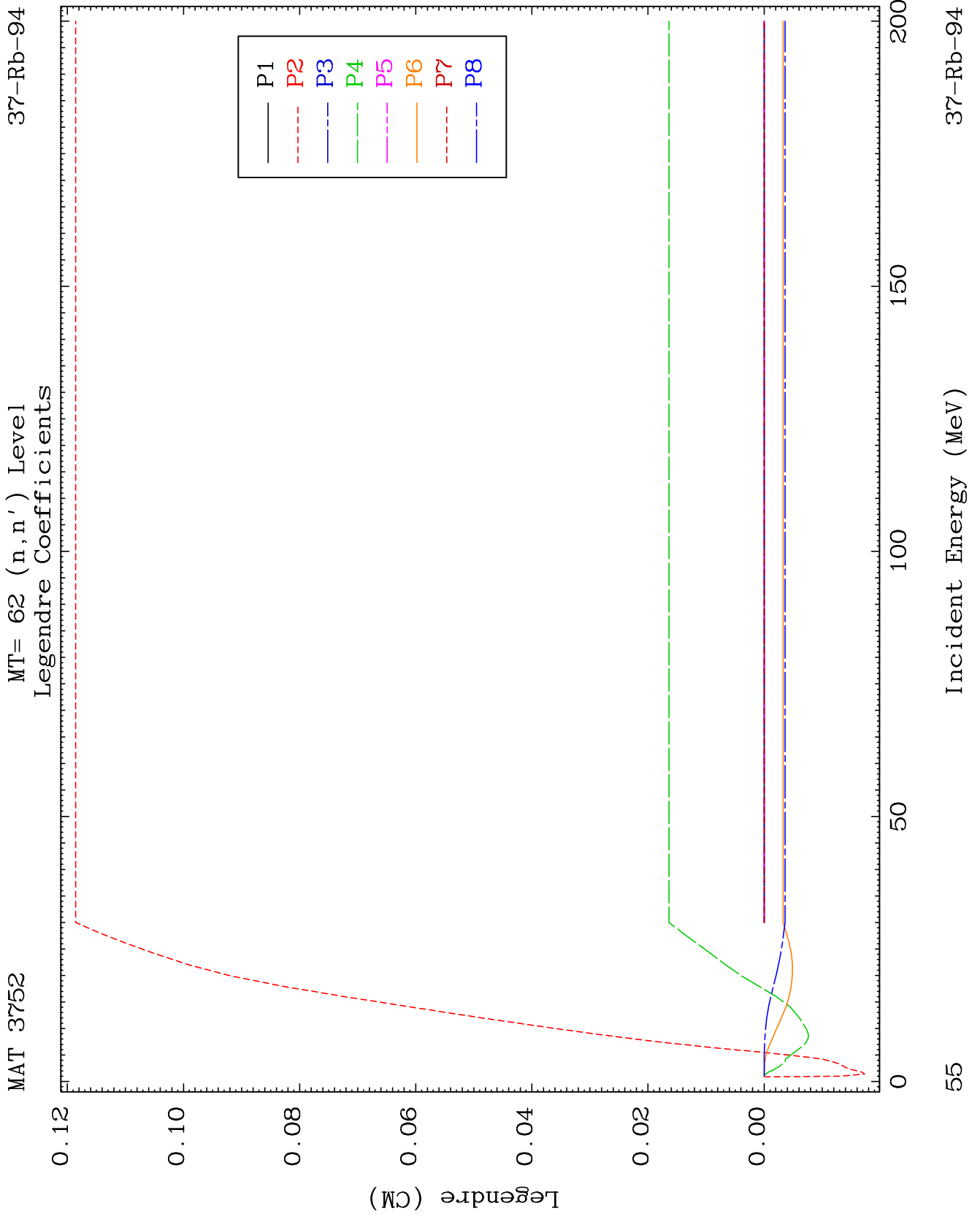
37-Rb-94



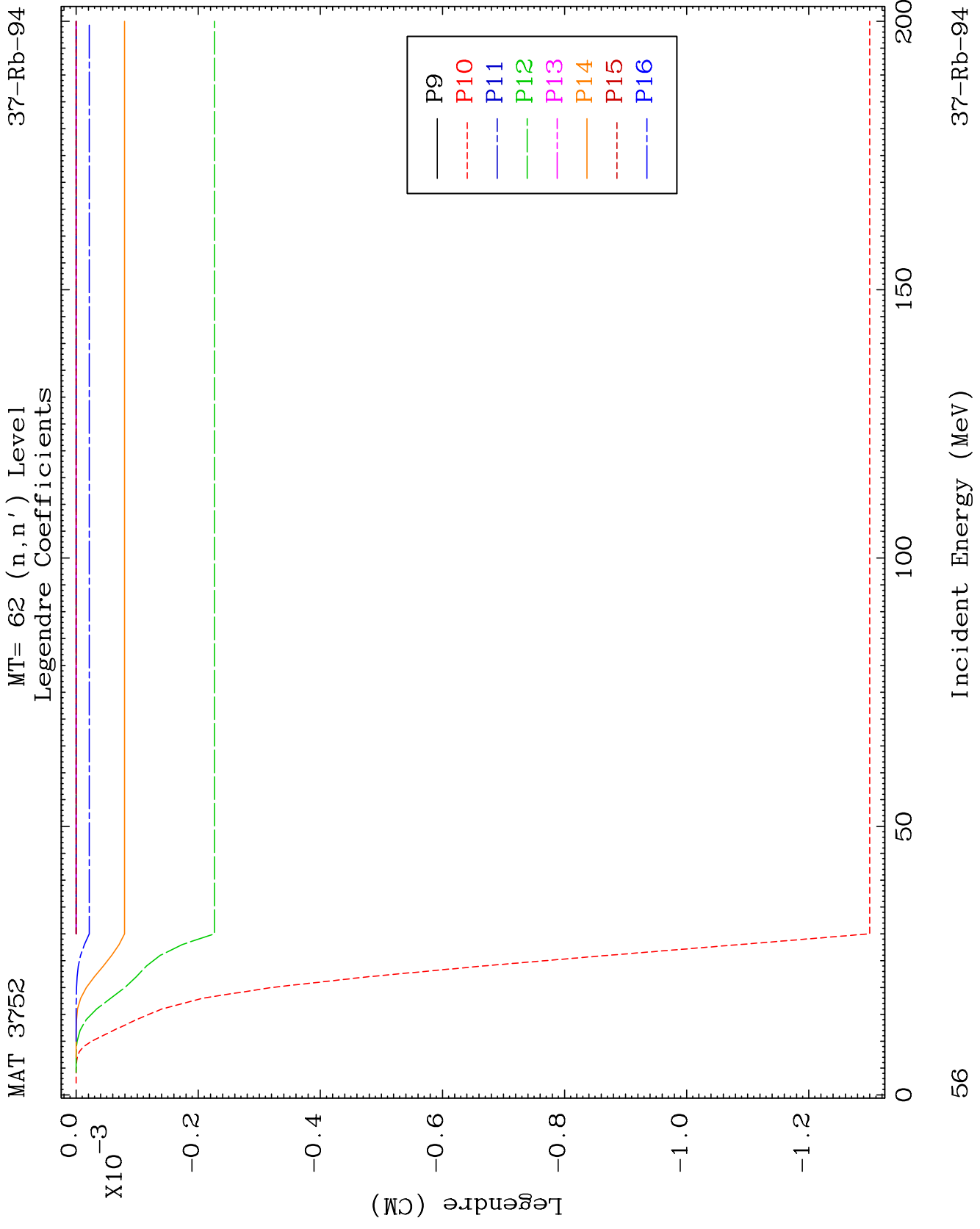
54

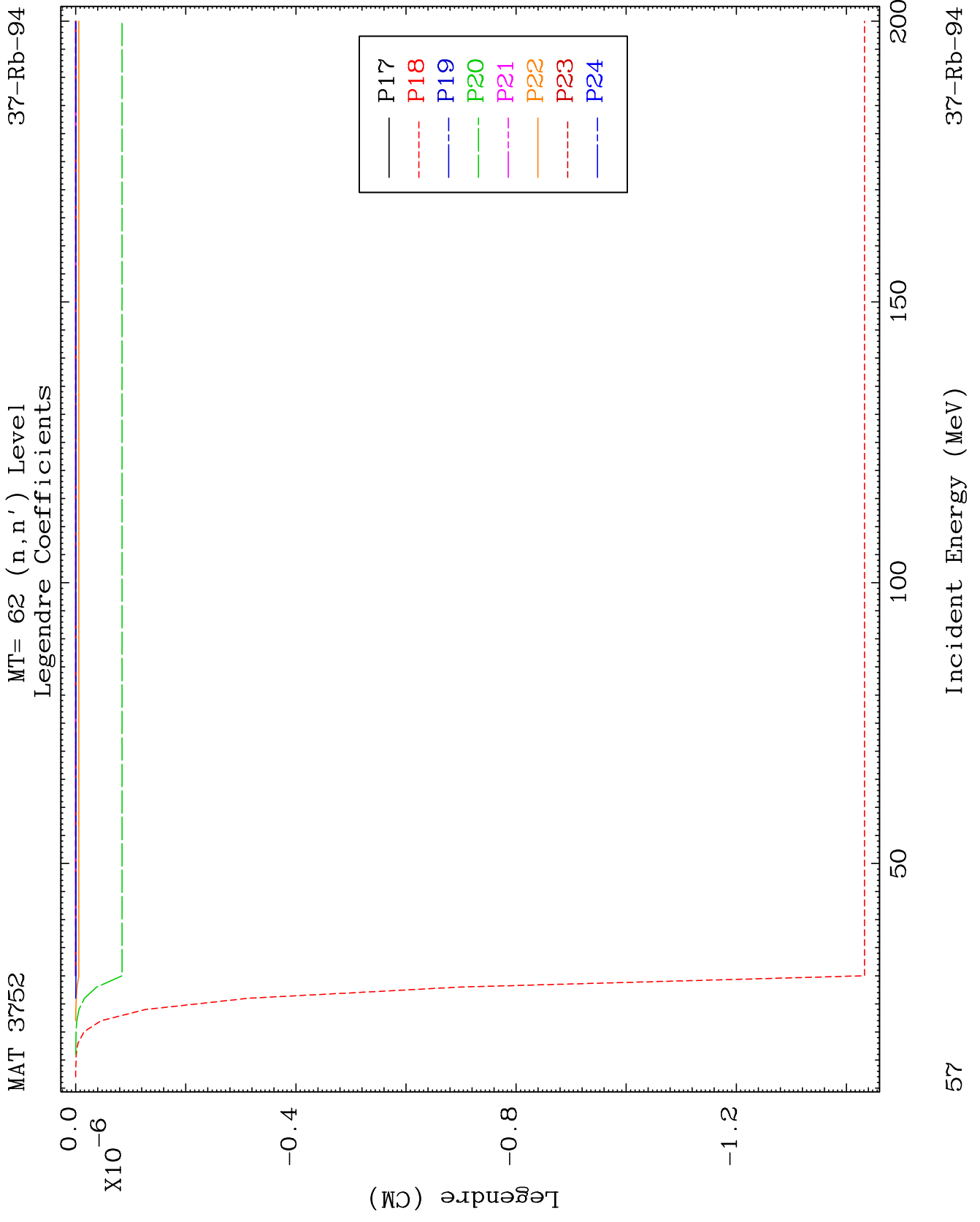
Incident Energy (MeV)

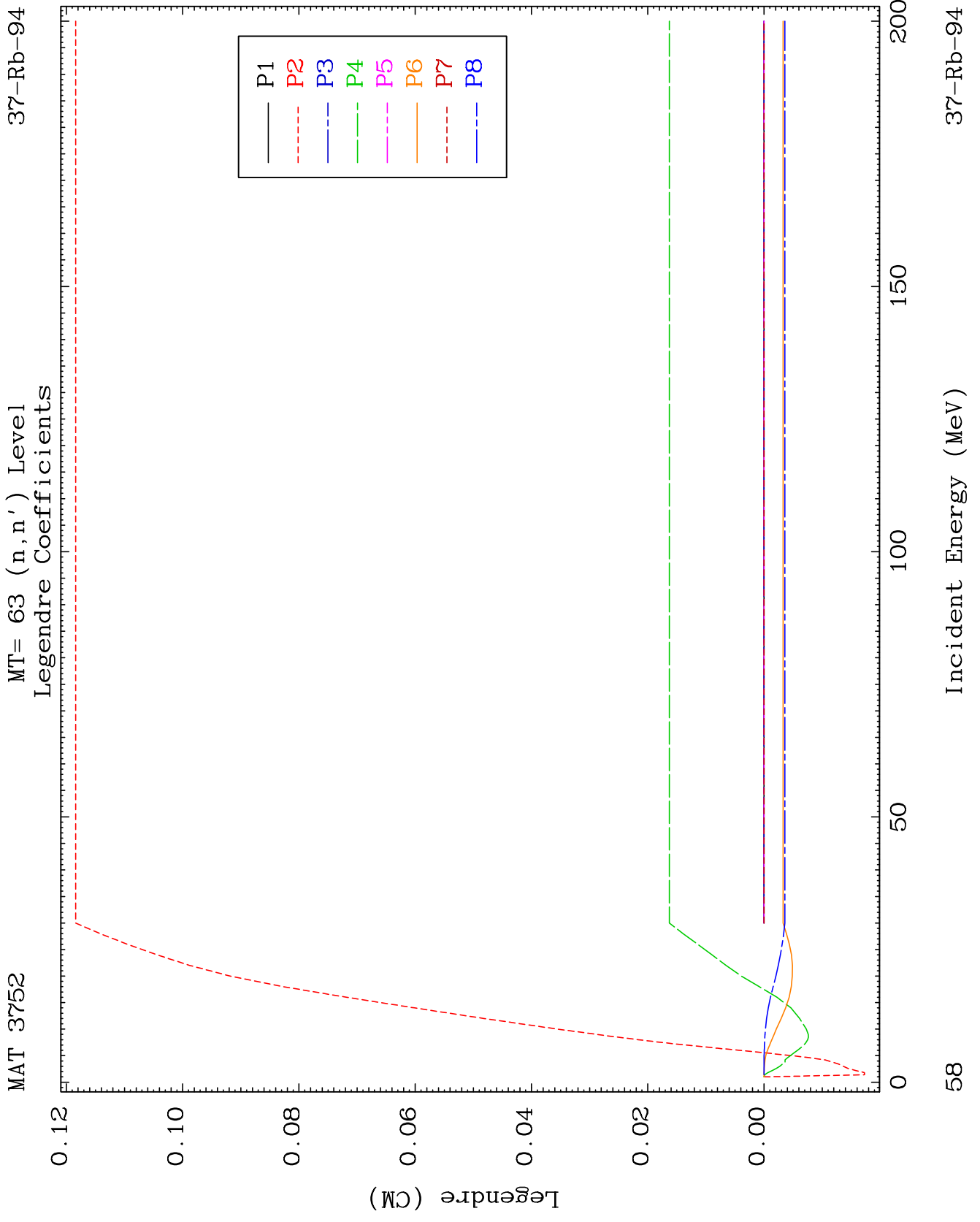
37-Rb-94

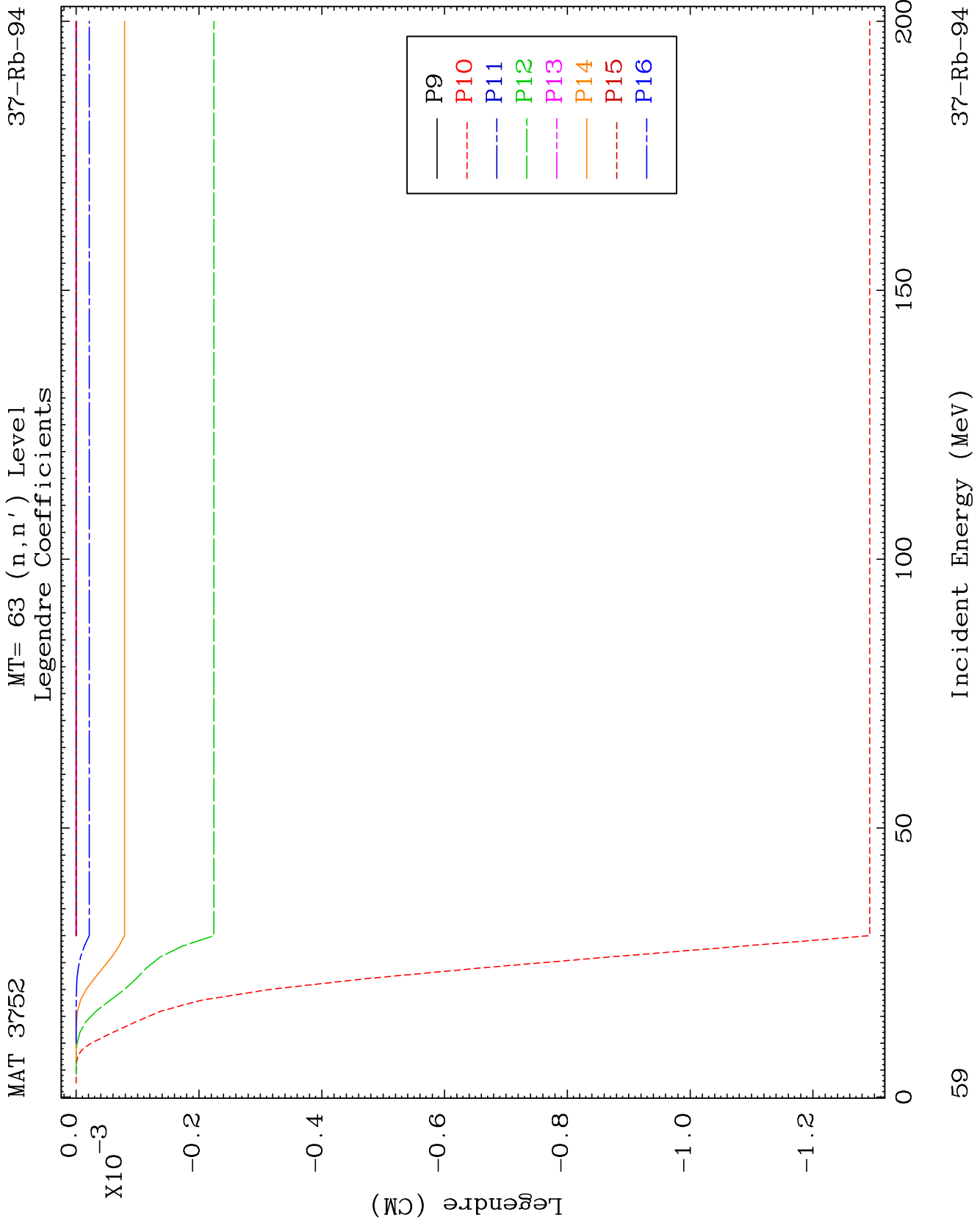


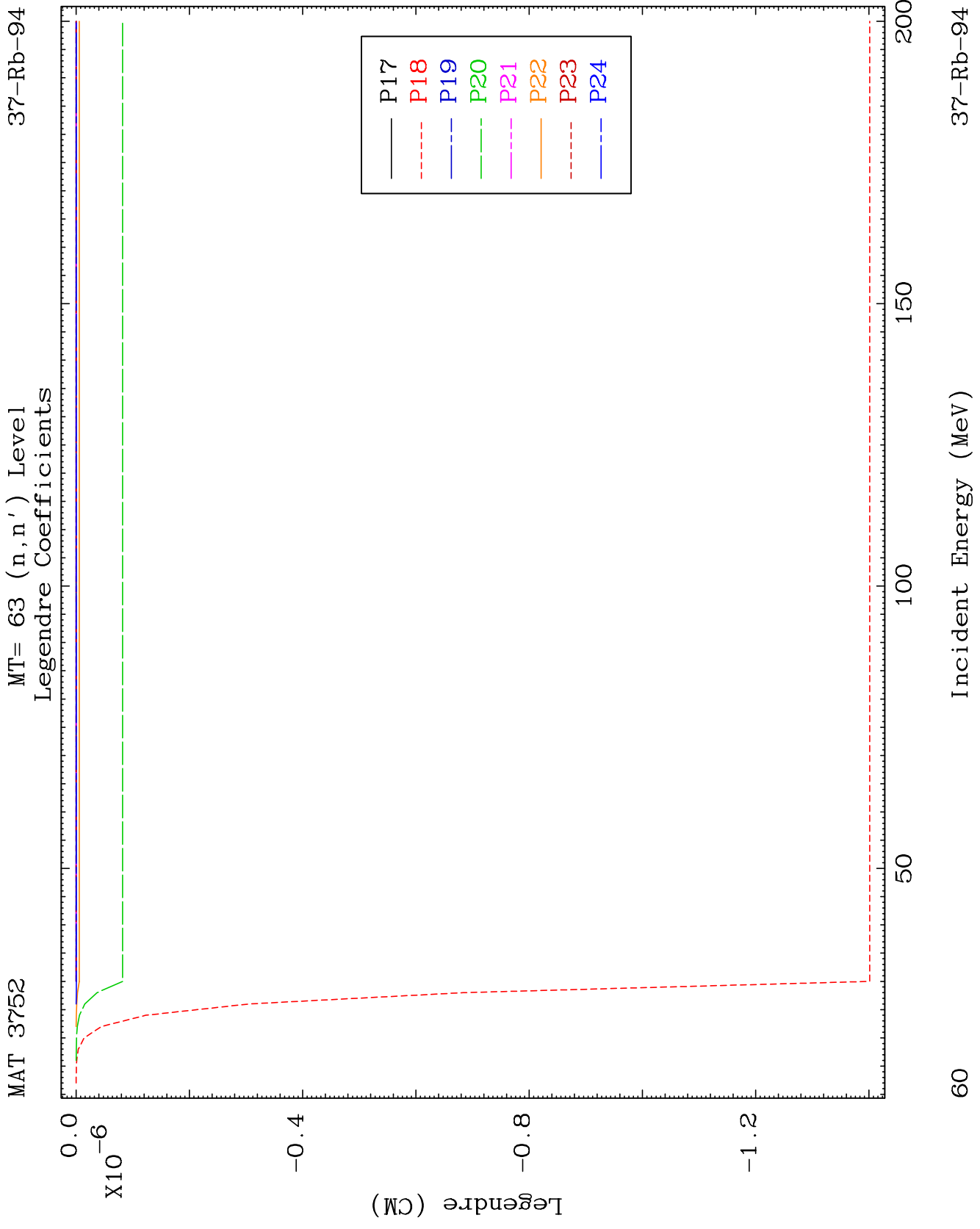








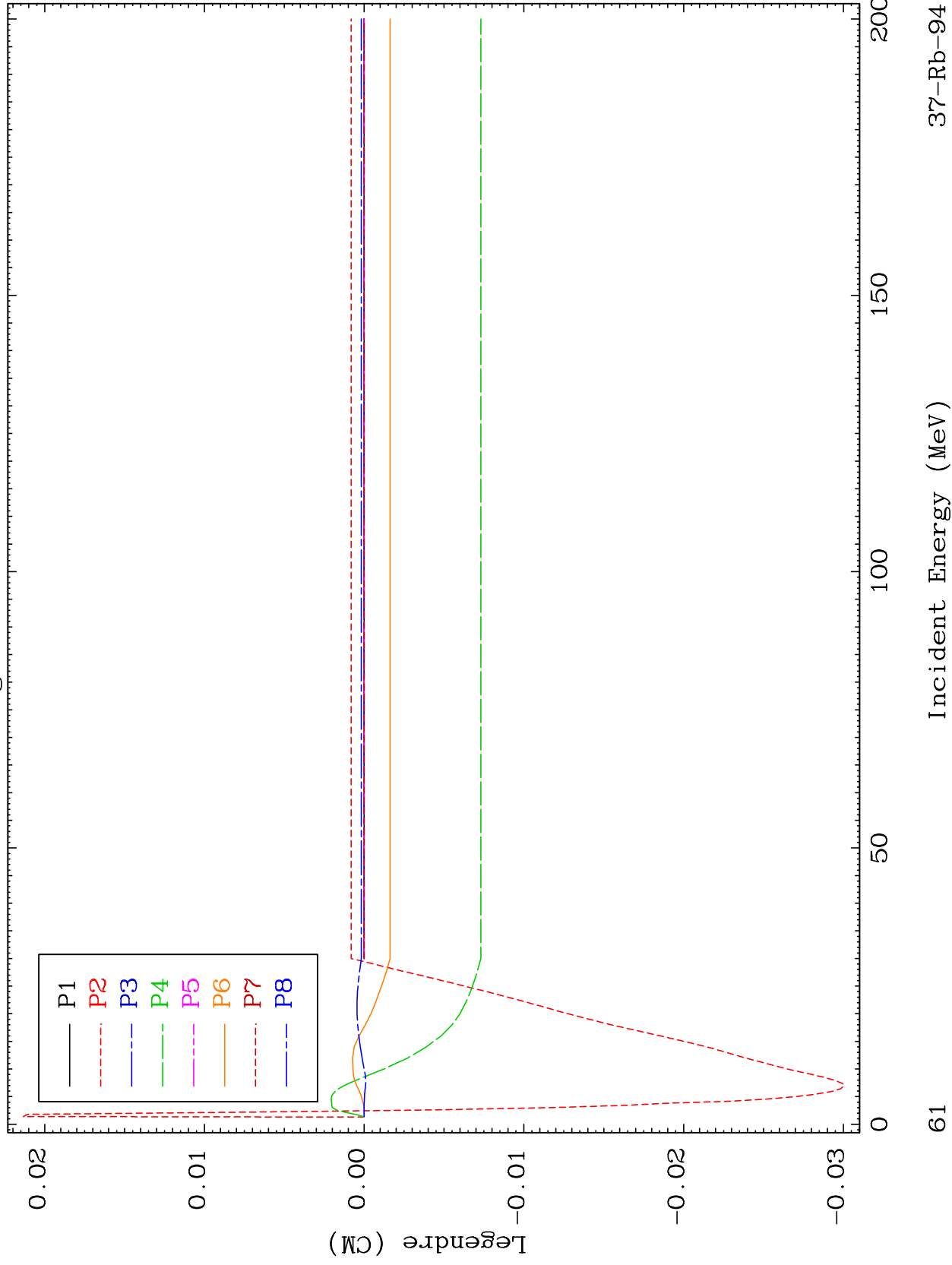




MAT 3752

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

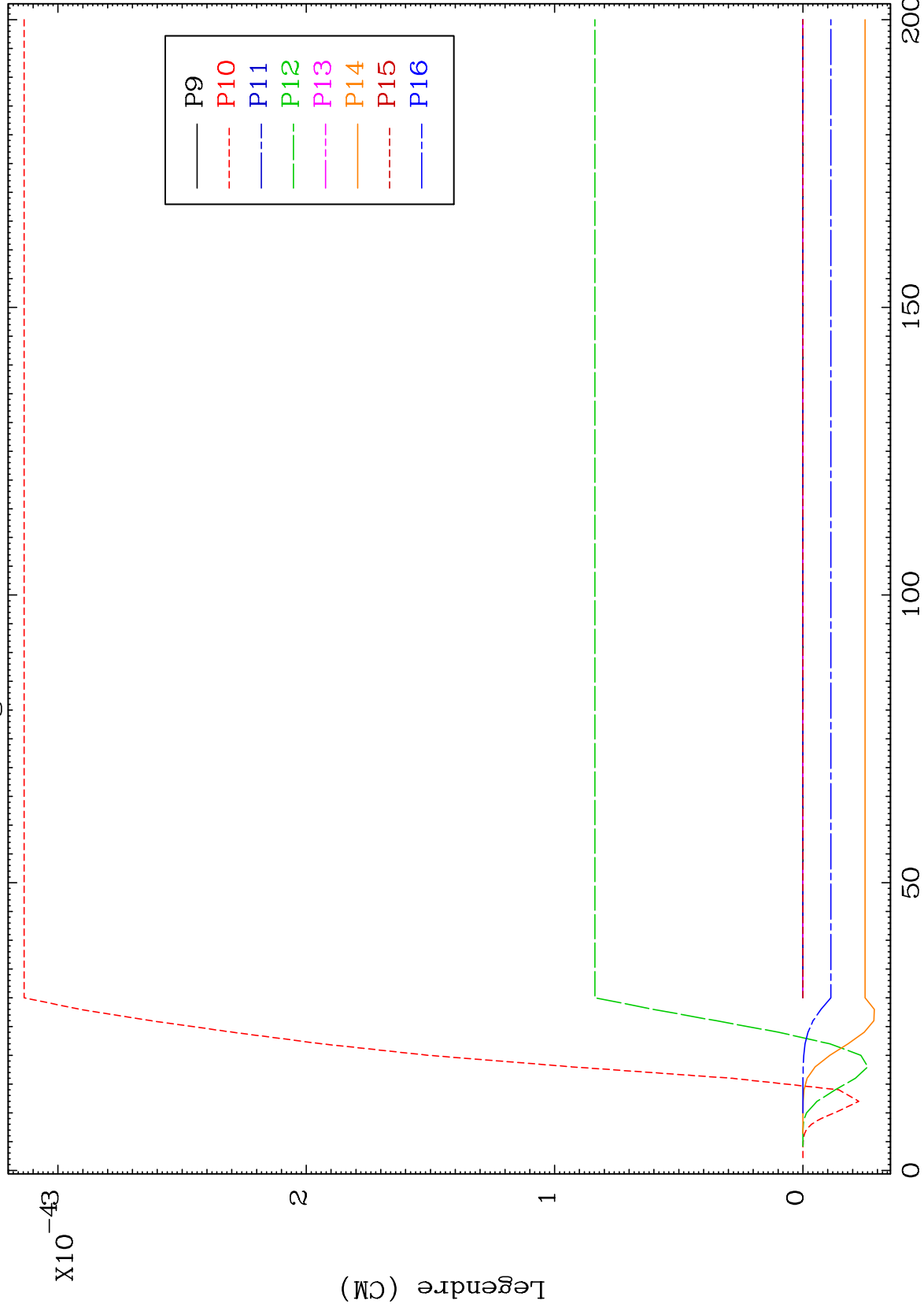
37-Rb-94



MAT 3752

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

37-Rb-94



62

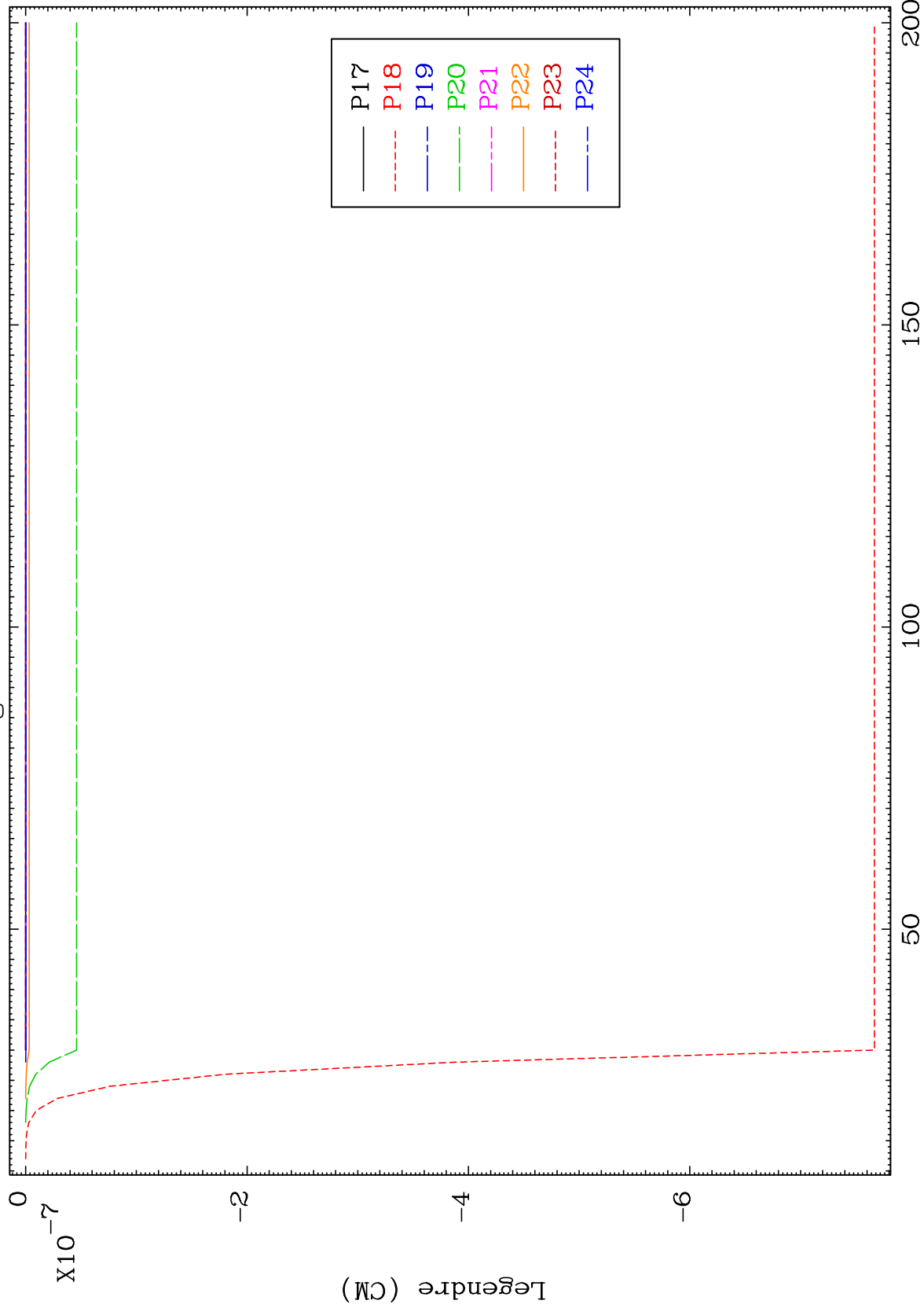
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

37-Rb-94



63

Incident Energy (MeV)

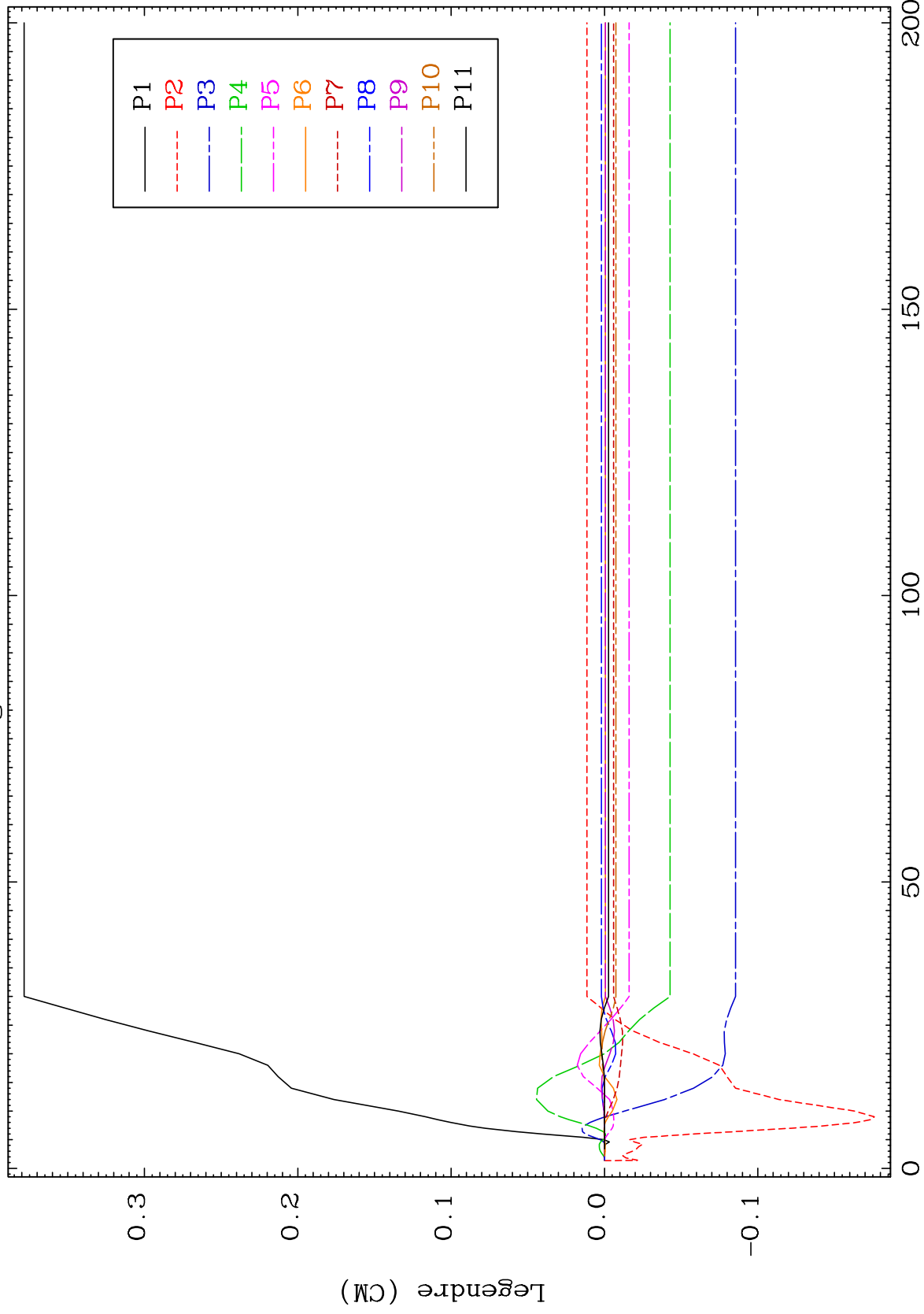
37-Rb-94



MAT 3752

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

37-Rb-94



64

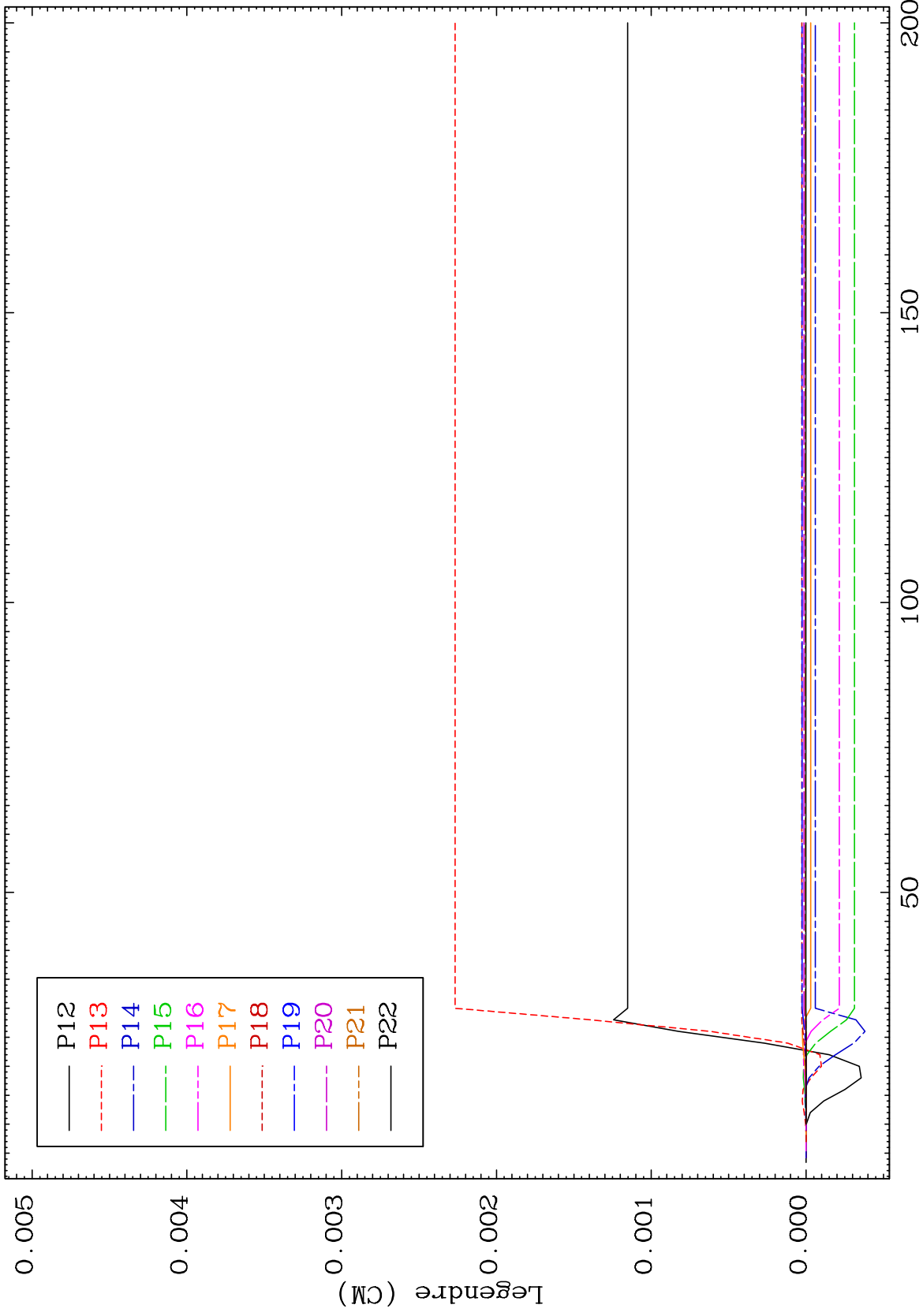
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

37-Rb-94



65

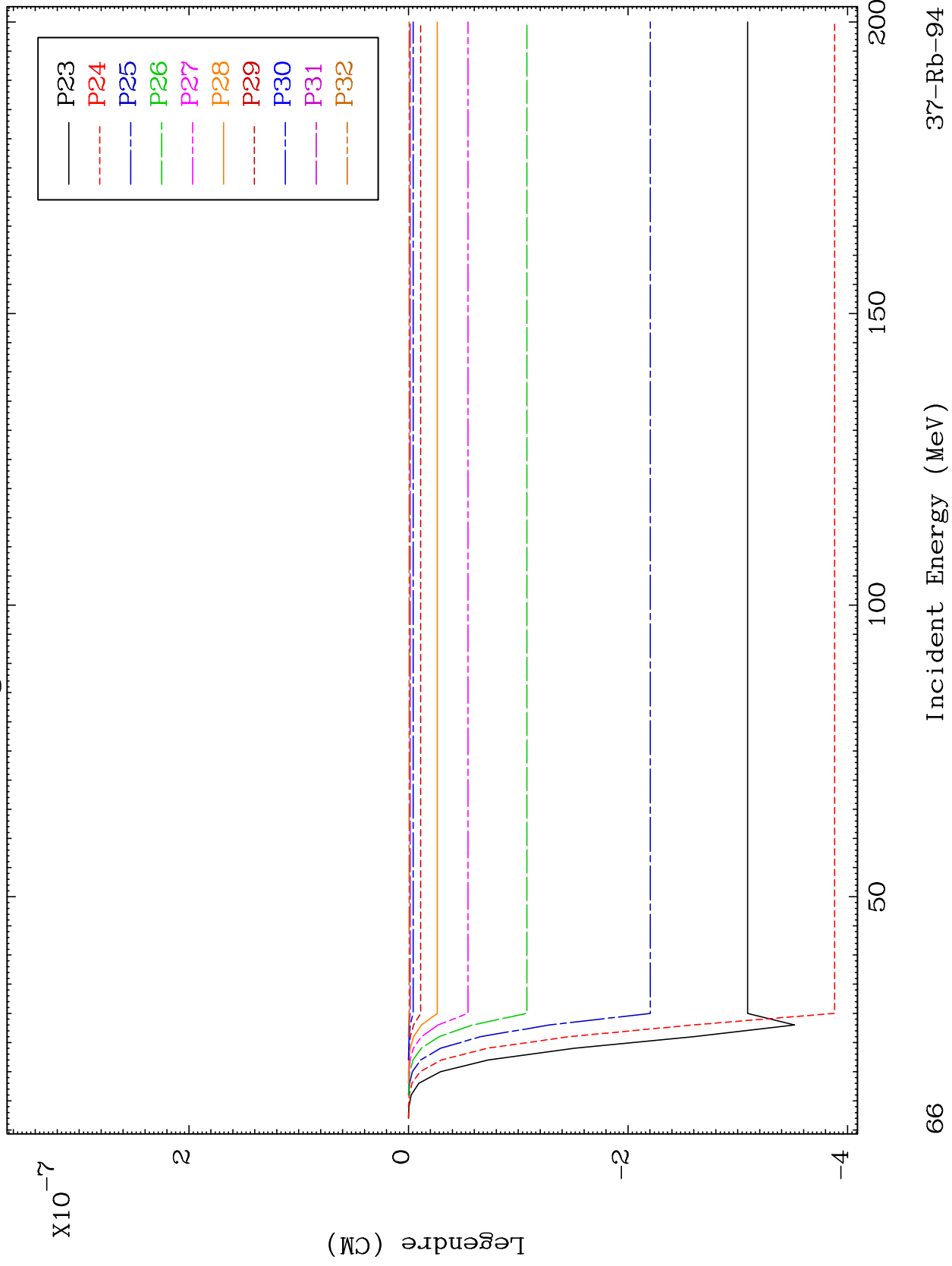
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

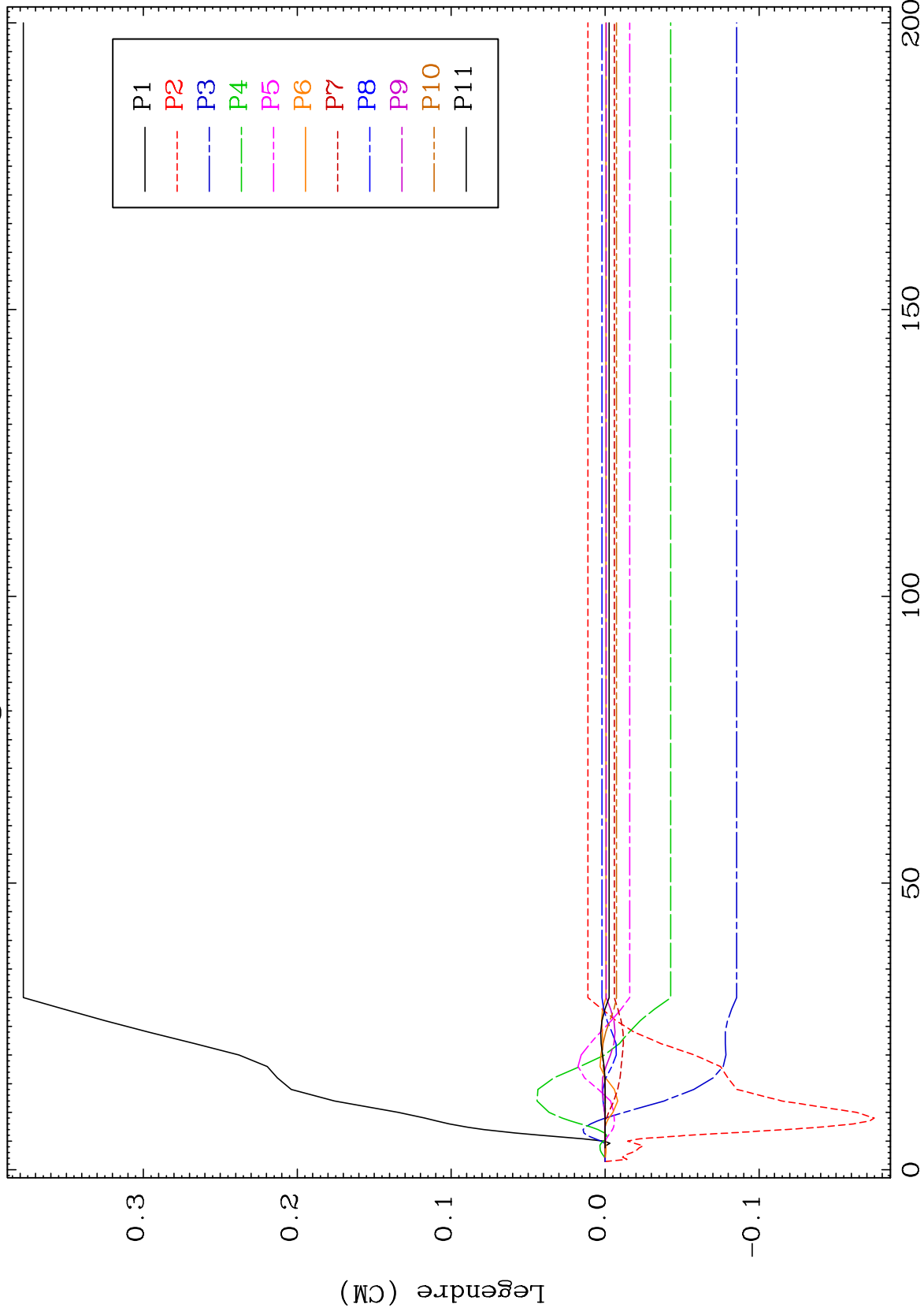
37-Rb-94



MAT 3752

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

37-Rb-94



67

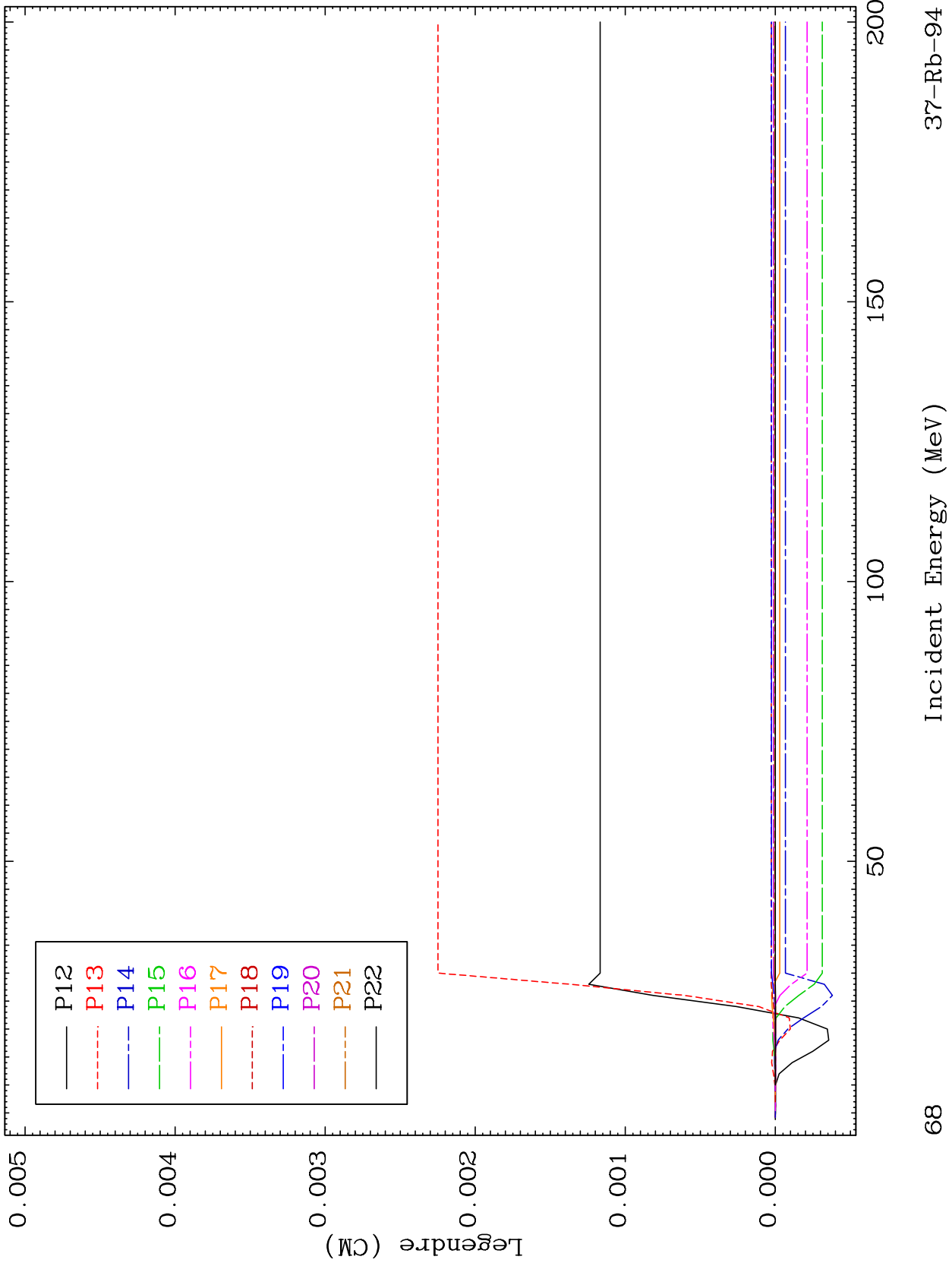
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

37-Rb-94



68

Incident Energy (MeV)

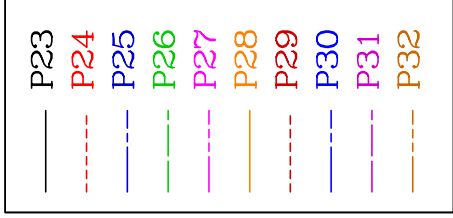
37-Rb-94

MAT 3752

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

37-Rb-94

$\times 10^{-7}$



2

Legendre (CM)

0

-2

-4

50

100

150

200

69

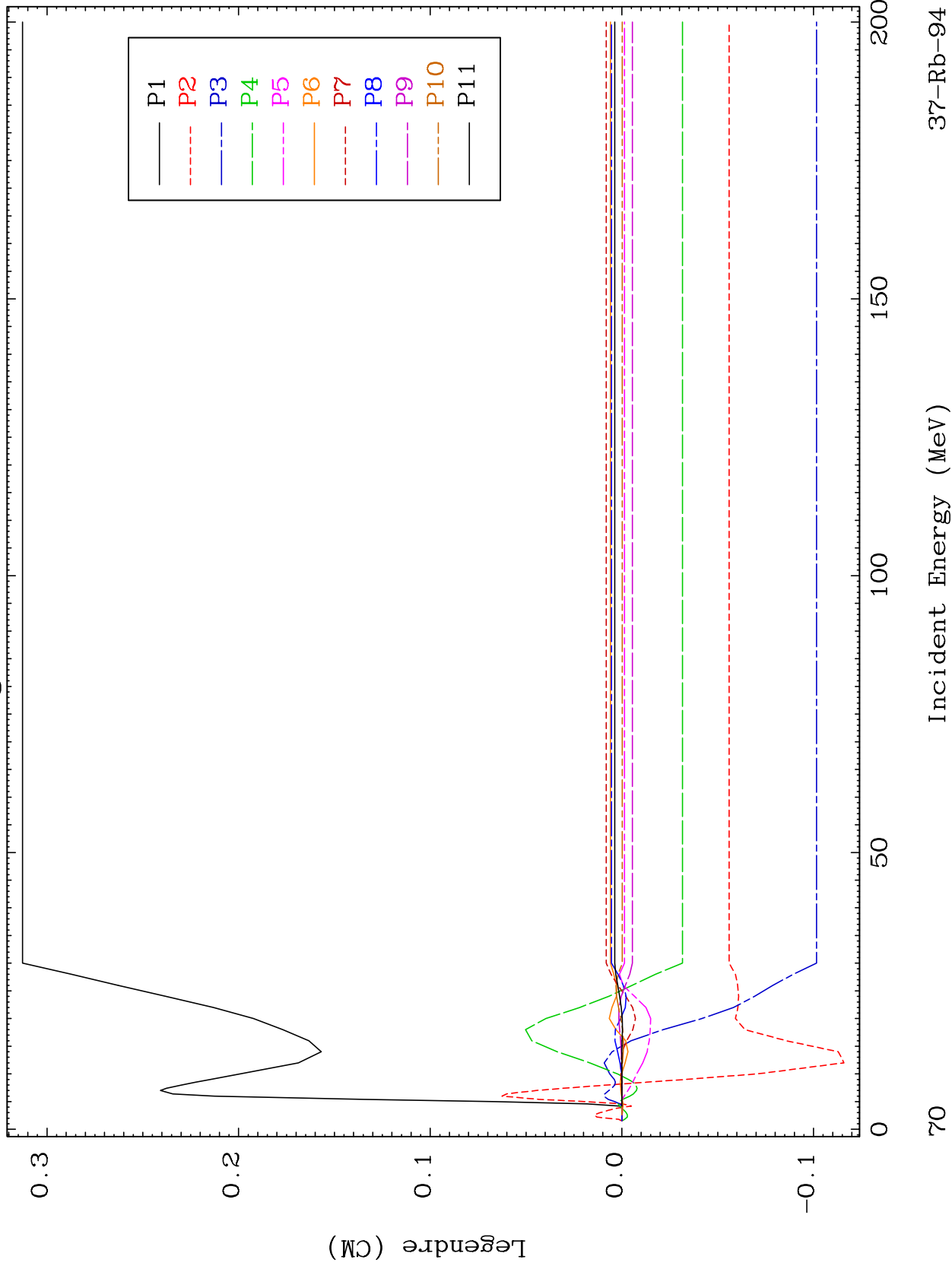
Incident Energy (MeV)

37-Rb-94

MAT 3752

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

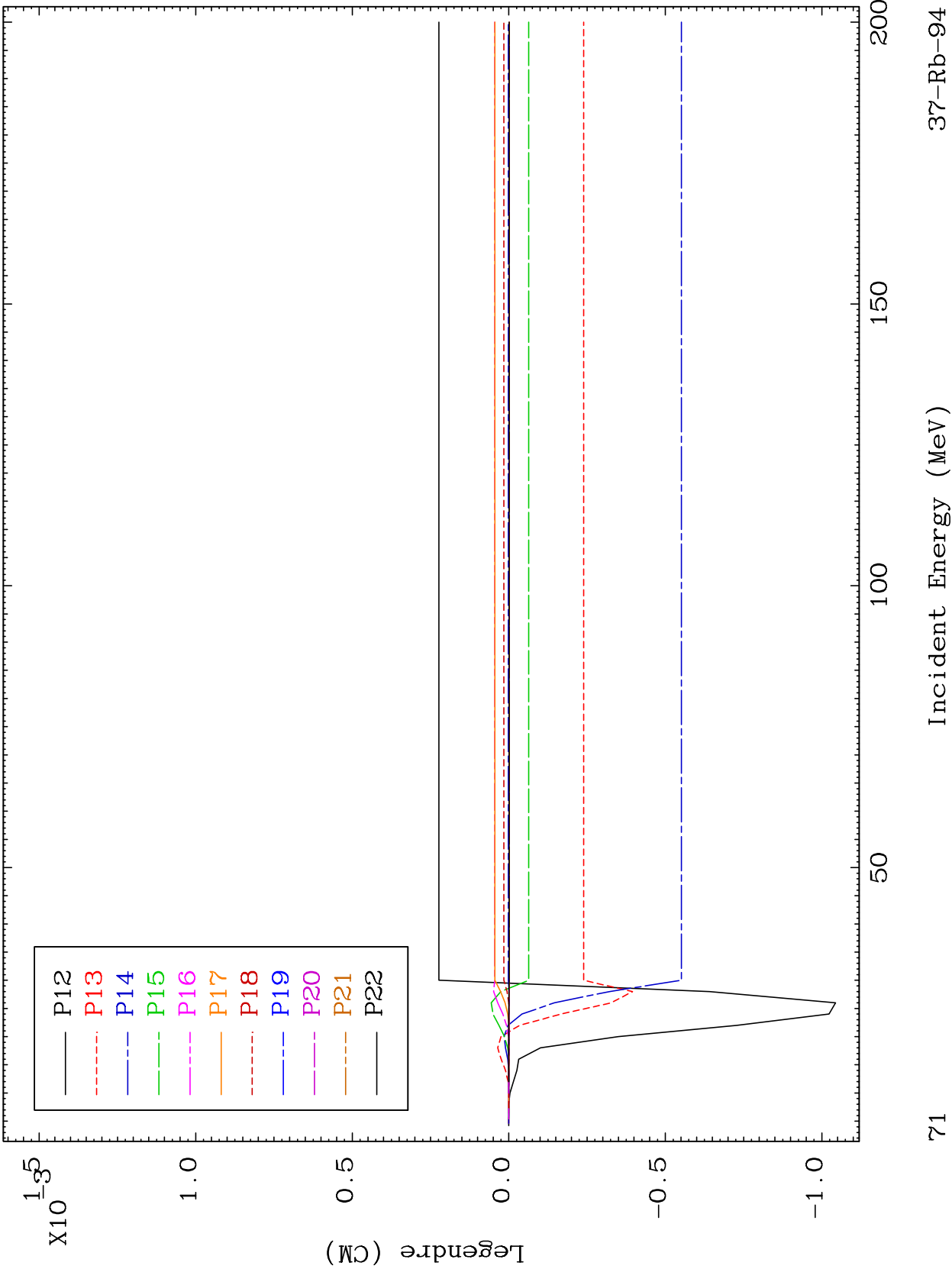
37-Rb-94



37-Rb-94

Incident Energy (MeV)

70

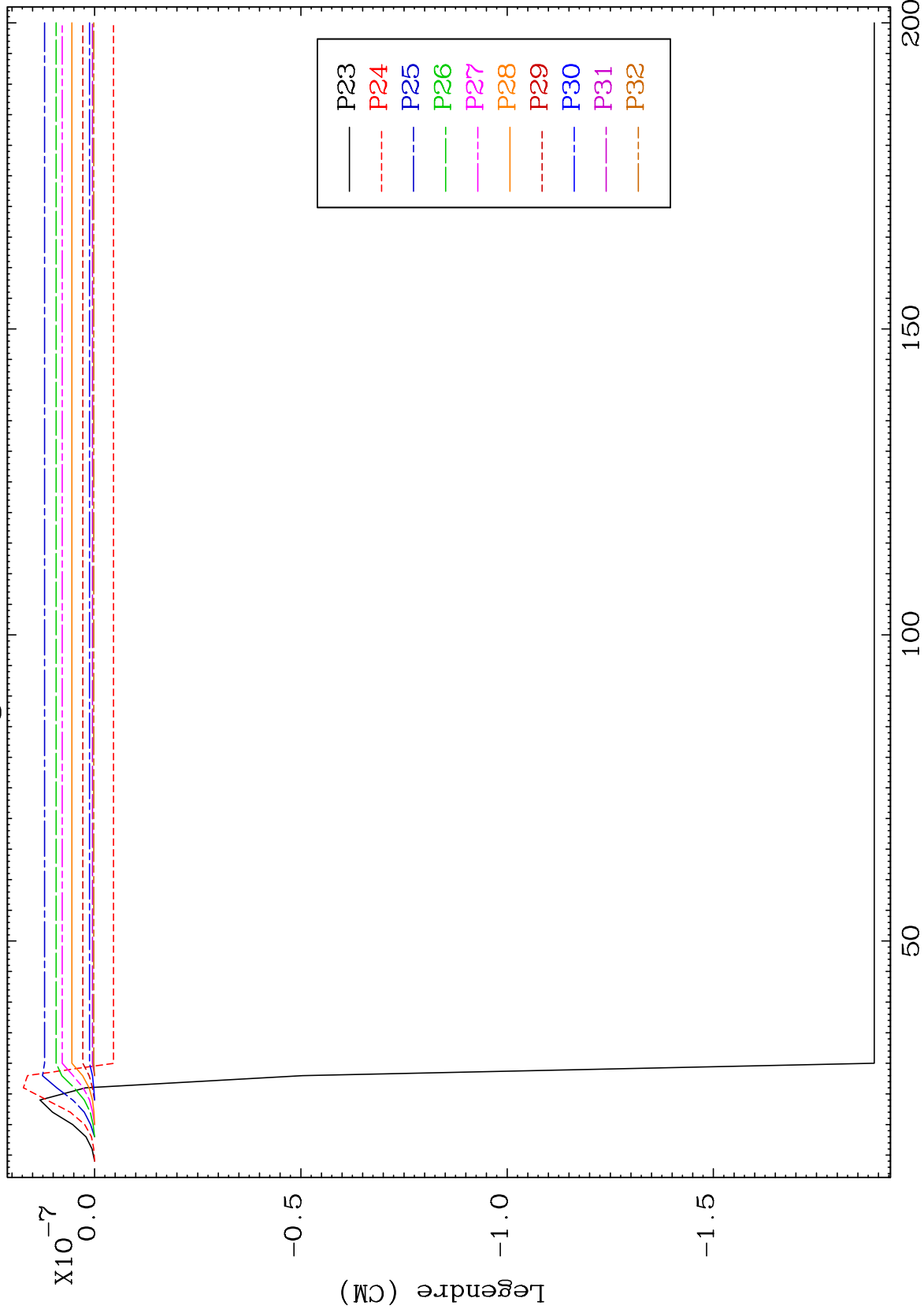




MAT 3752

37-Rb-94

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



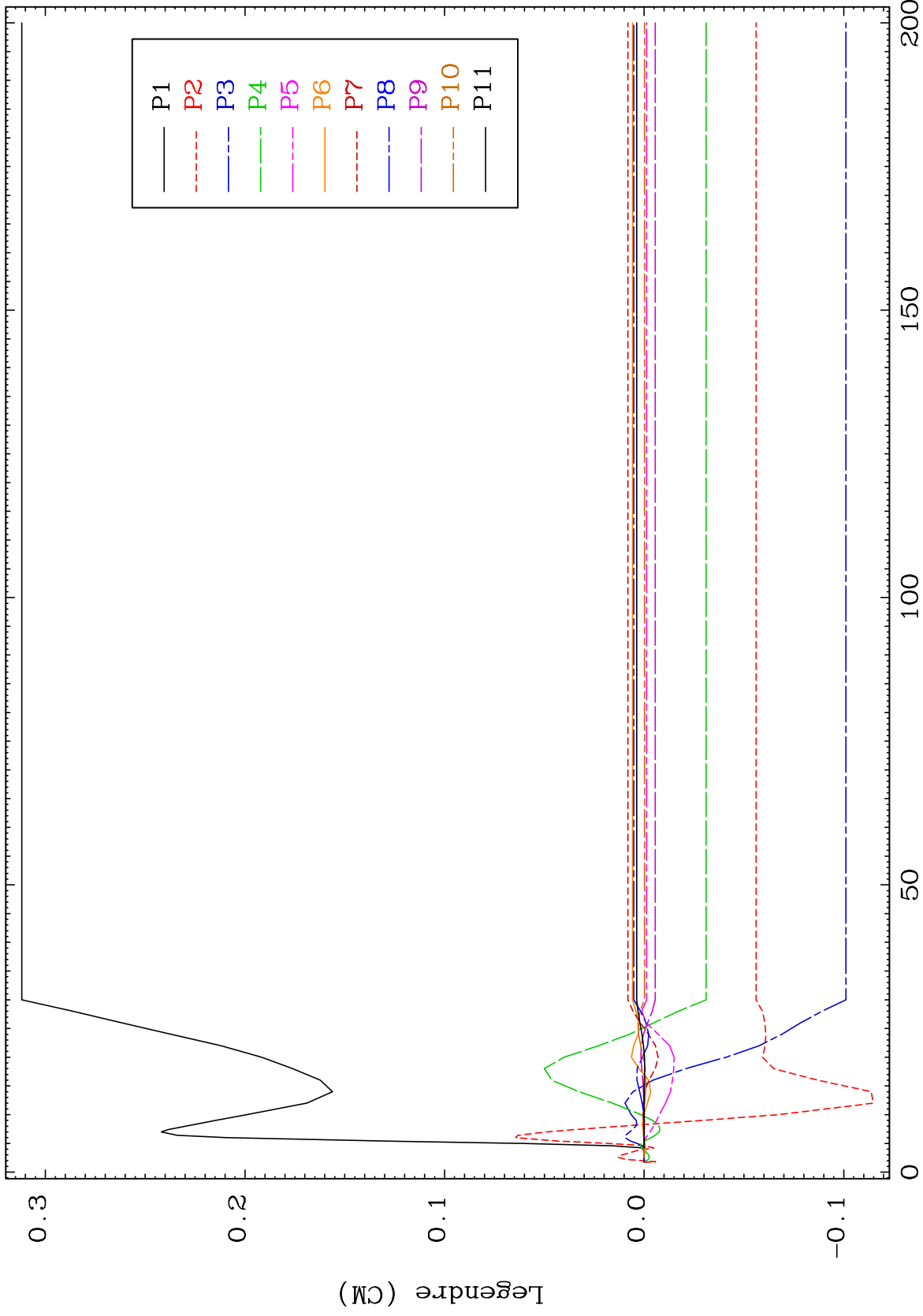
72

37-Rb-94

MAT 3752

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

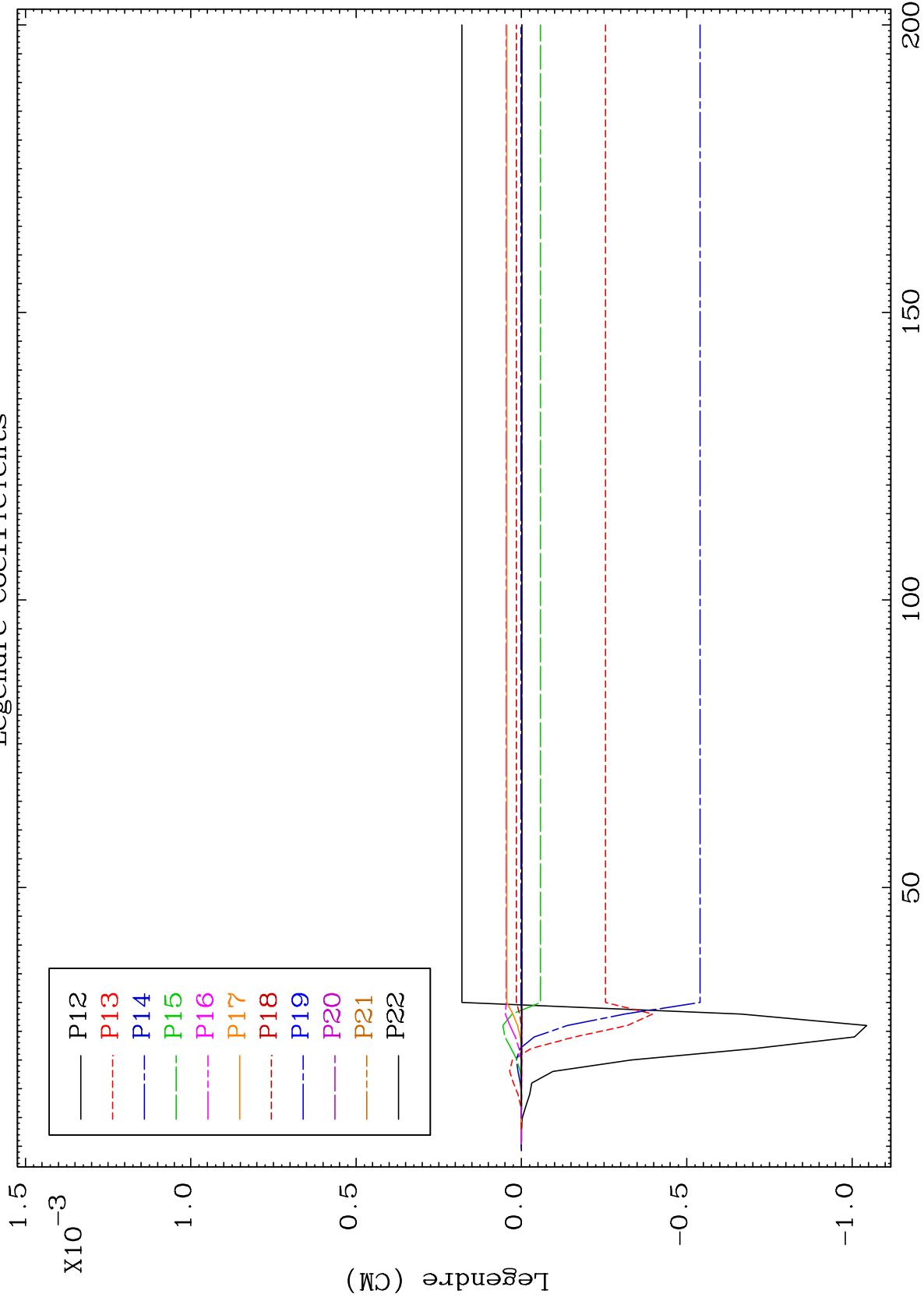
37-Rb-94



73

Incident Energy (MeV)

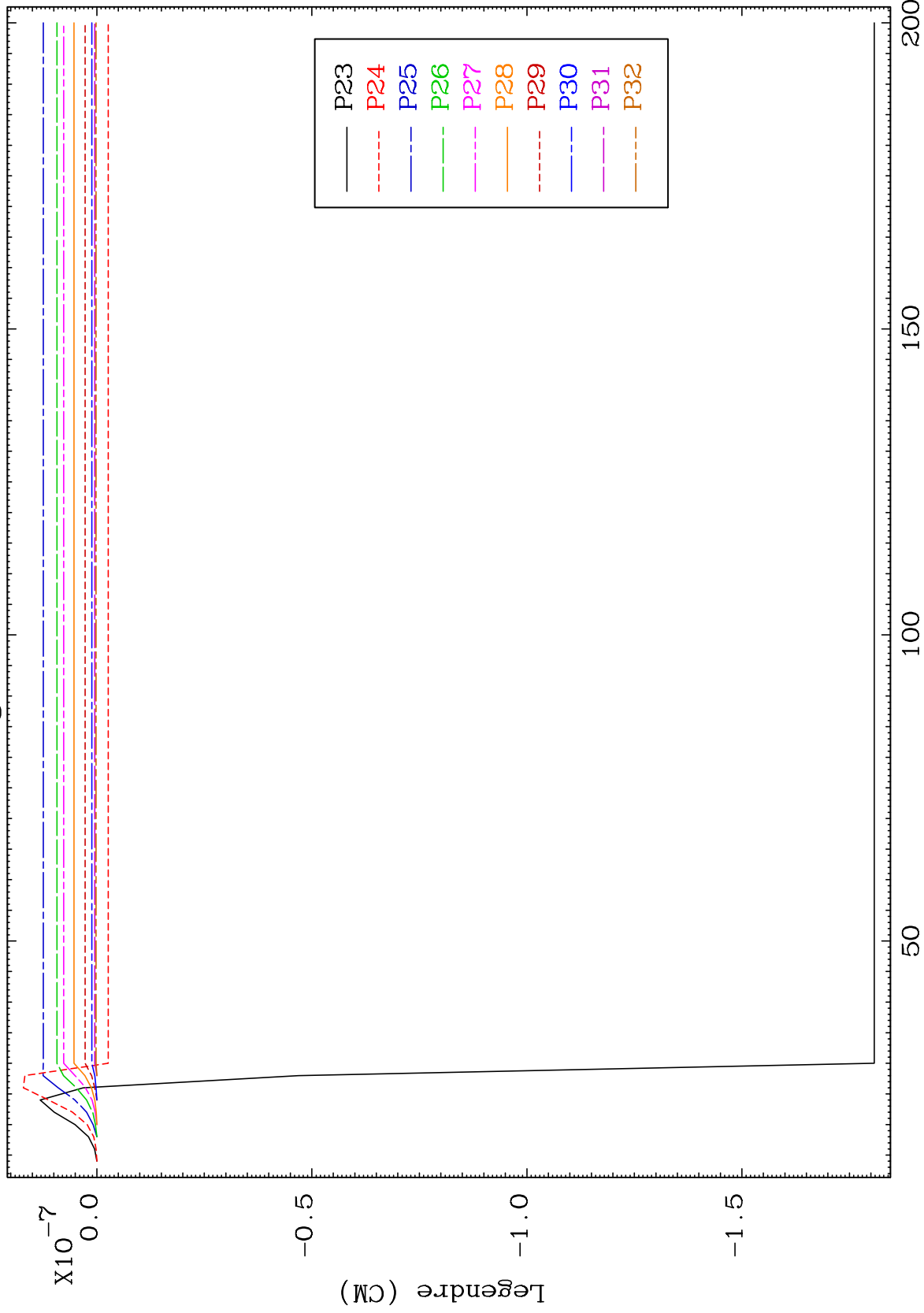
37-Rb-94



MAT 3752

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

37-Rb-94



75

Incident Energy (MeV)

37-Rb-94