

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

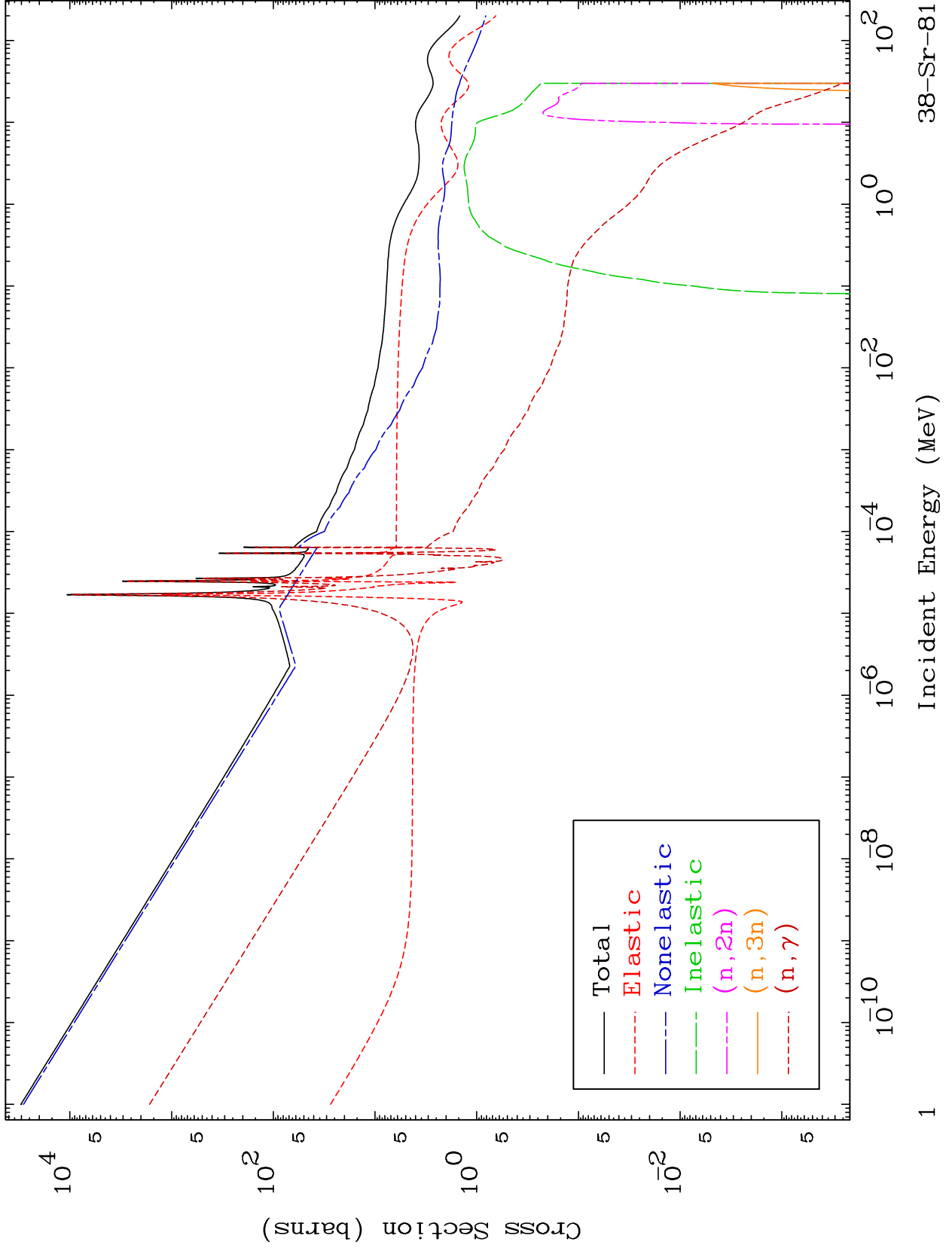
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3816

Neutron Major  
293 Kelvin Cross Sections

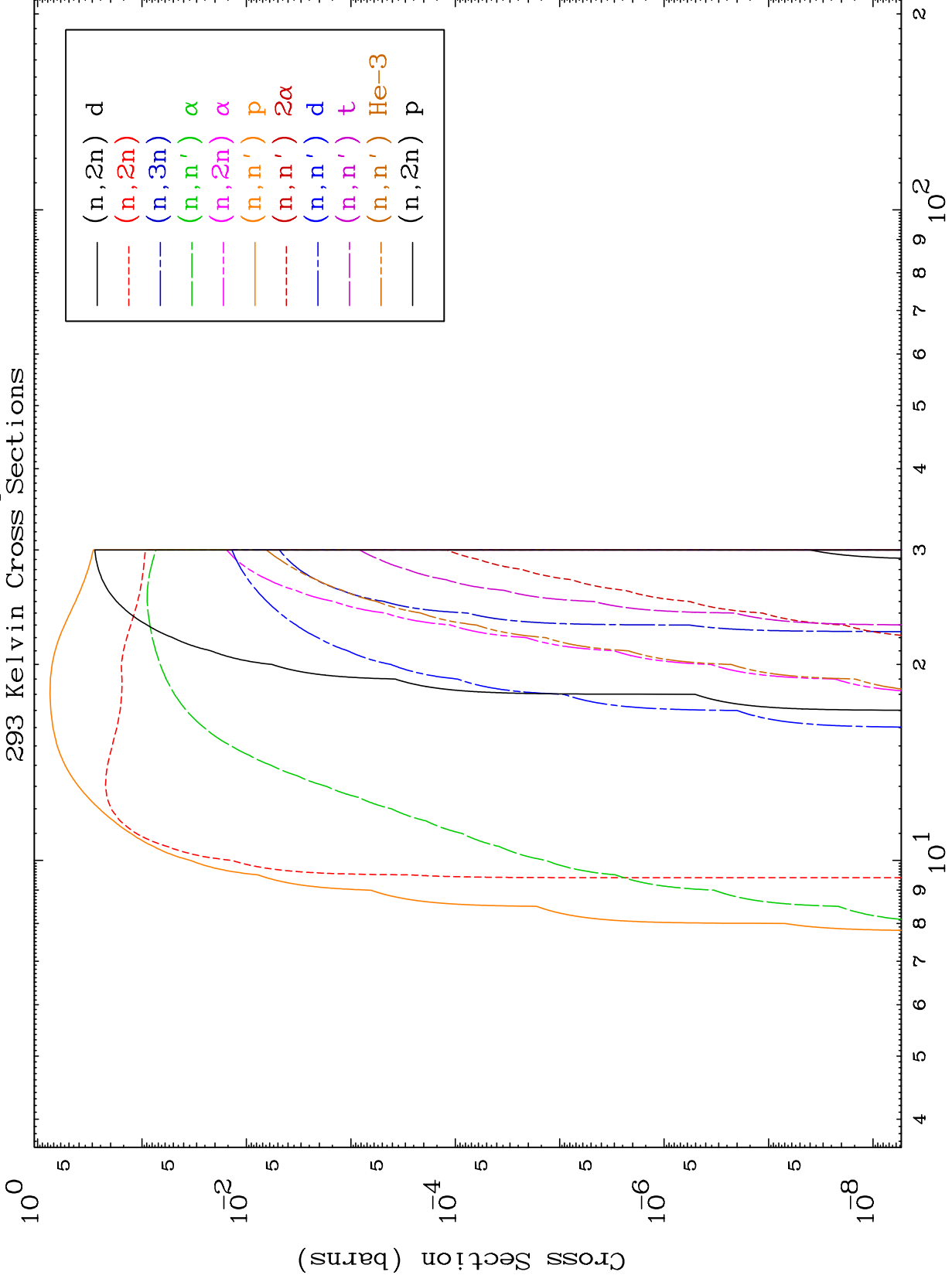
38-Sr-81



MAT 3816

Neutron Absorption  
293 Kelvin Cross Sections

38-Sr-81



2

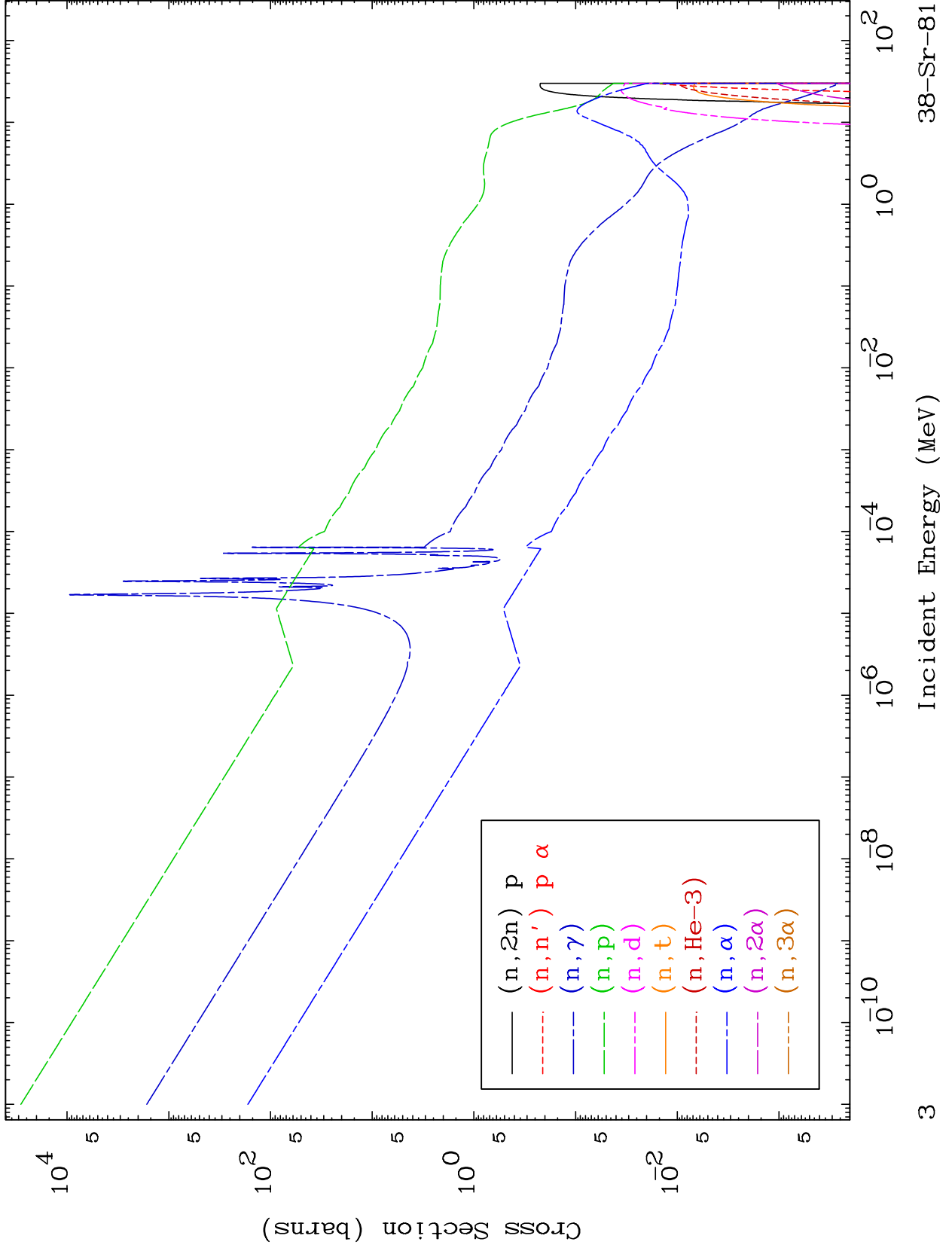
Incident Energy (MeV)

38-Sr-81

MAT 3816

Neutron Absorption  
293 Kelvin Cross Sections

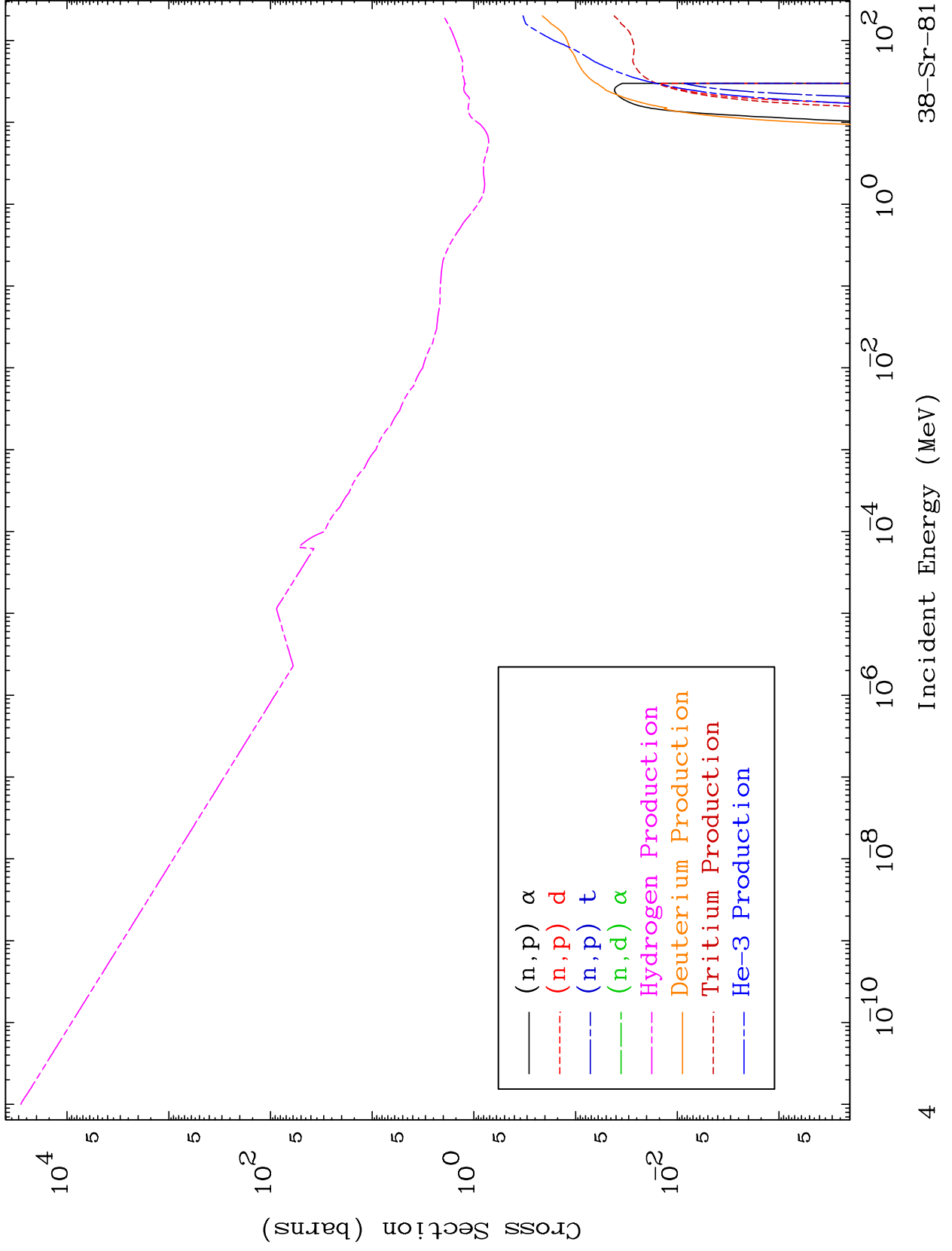
38-Sr-81



MAT 3816

Neutron Absorption  
293 Kelvin Cross Sections

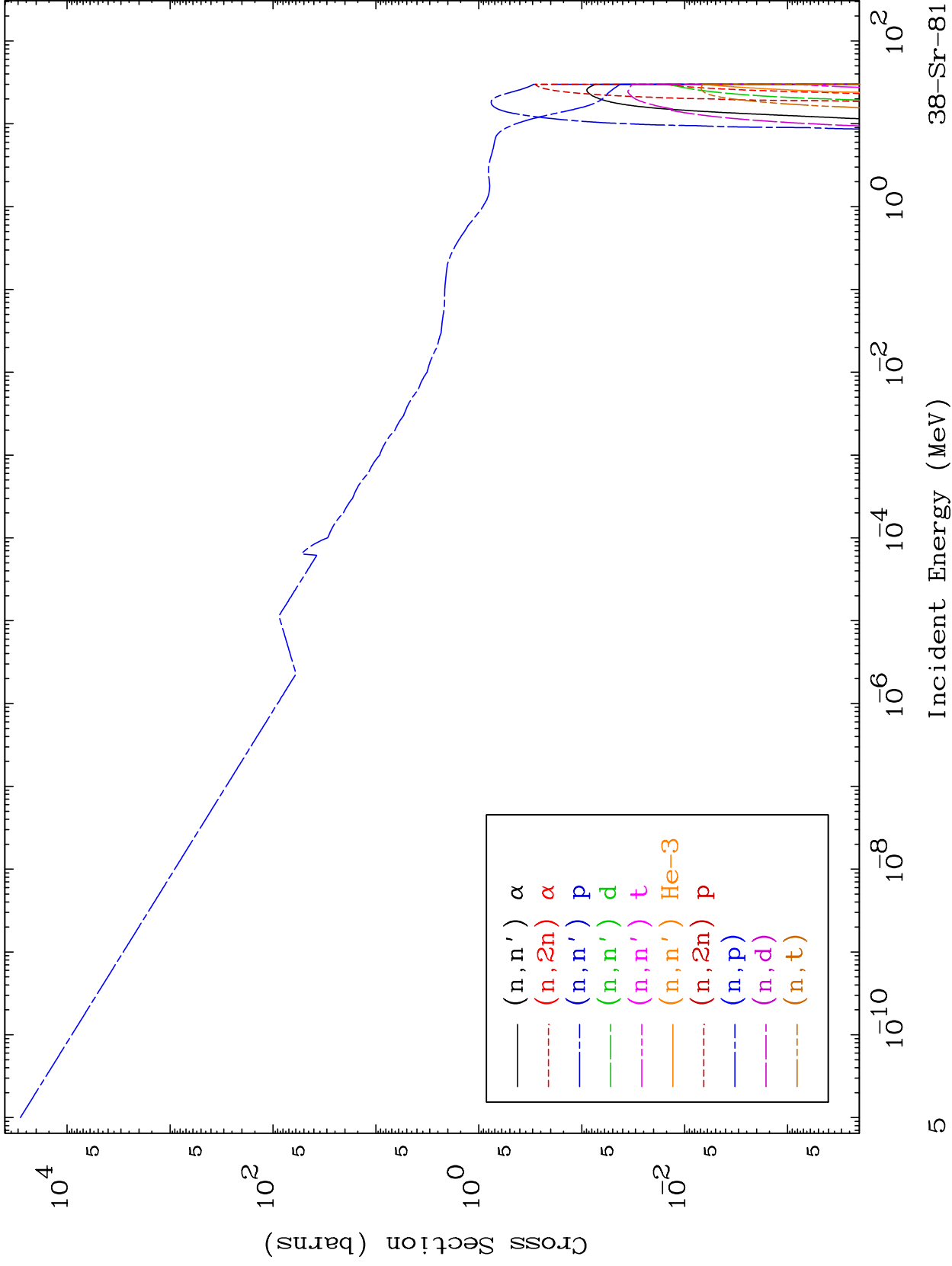
38-Sr-81



MAT 3816

Charged Particle  
293 Kelvin Cross Sections

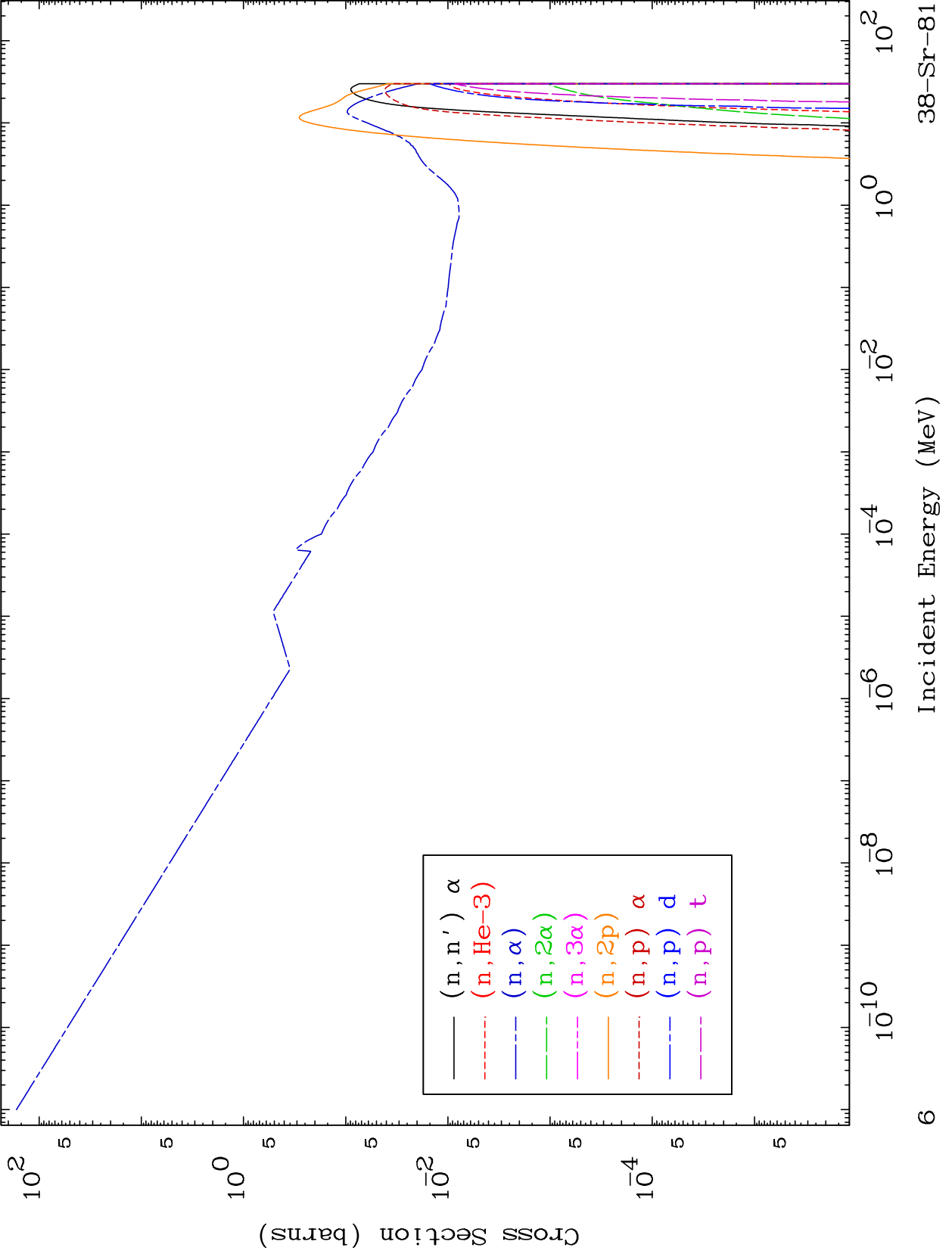
38-Sr-81



MAT 3816

Charged Particle  
293 Kelvin Cross Sections

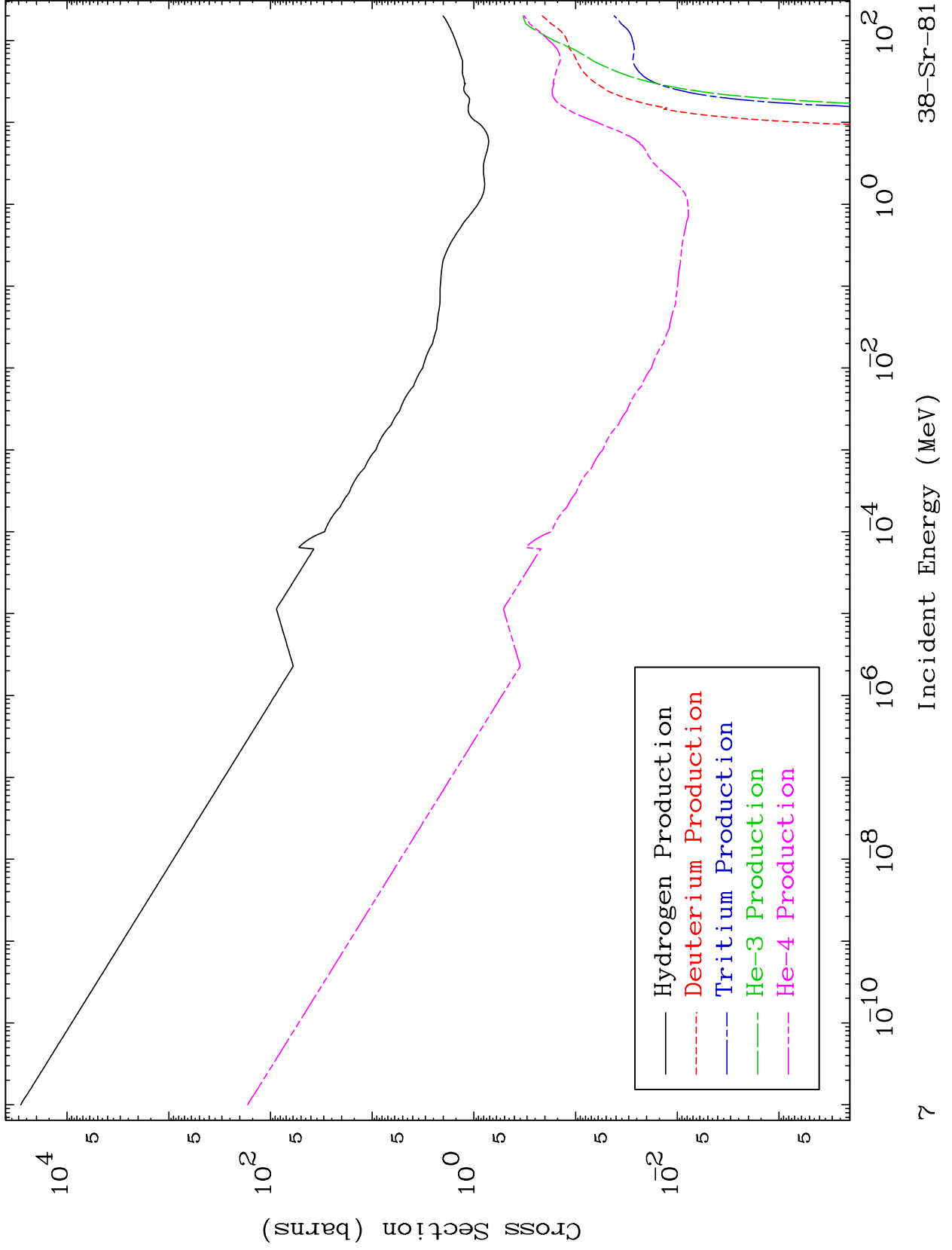
38-Sr-81

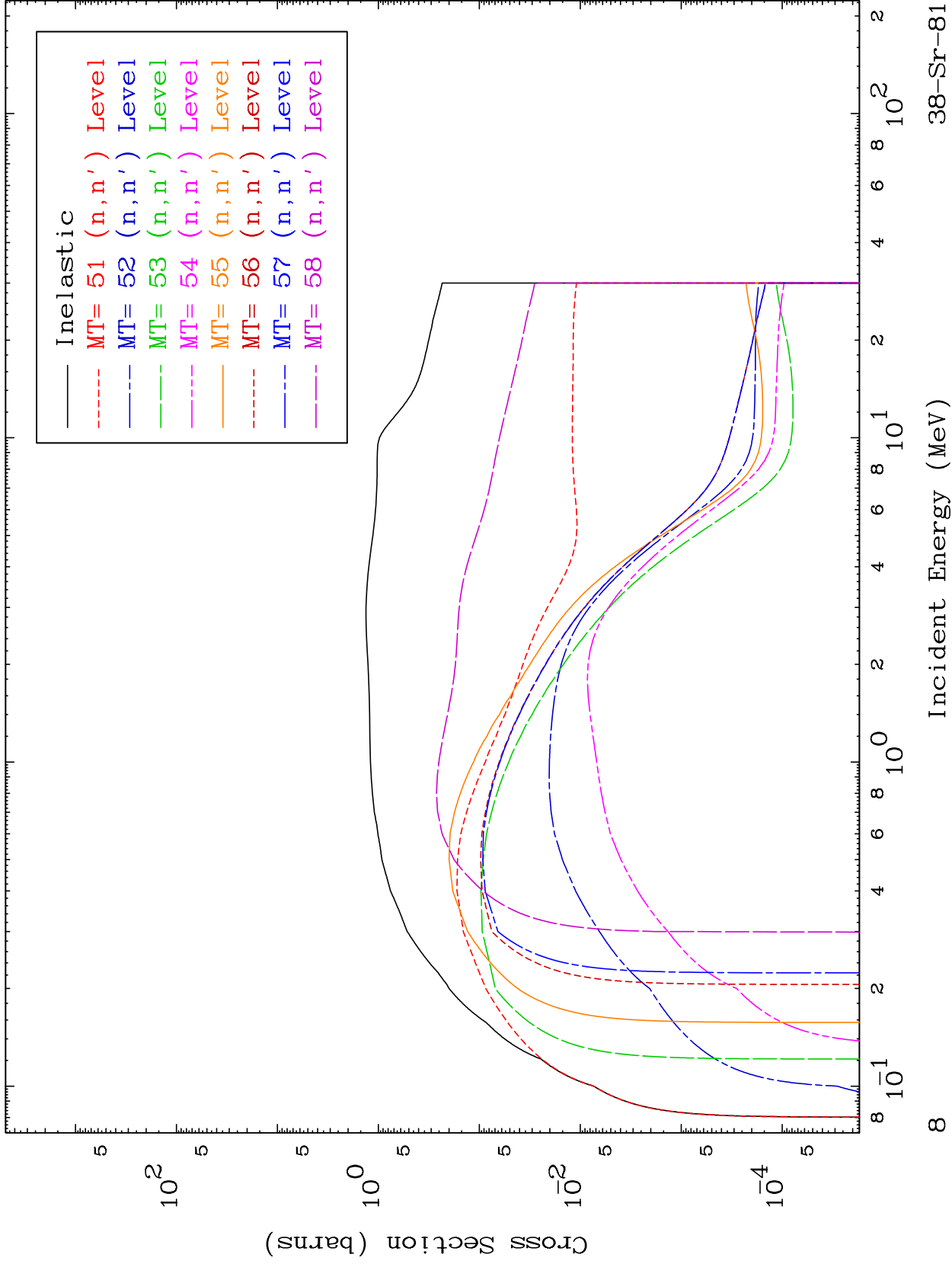


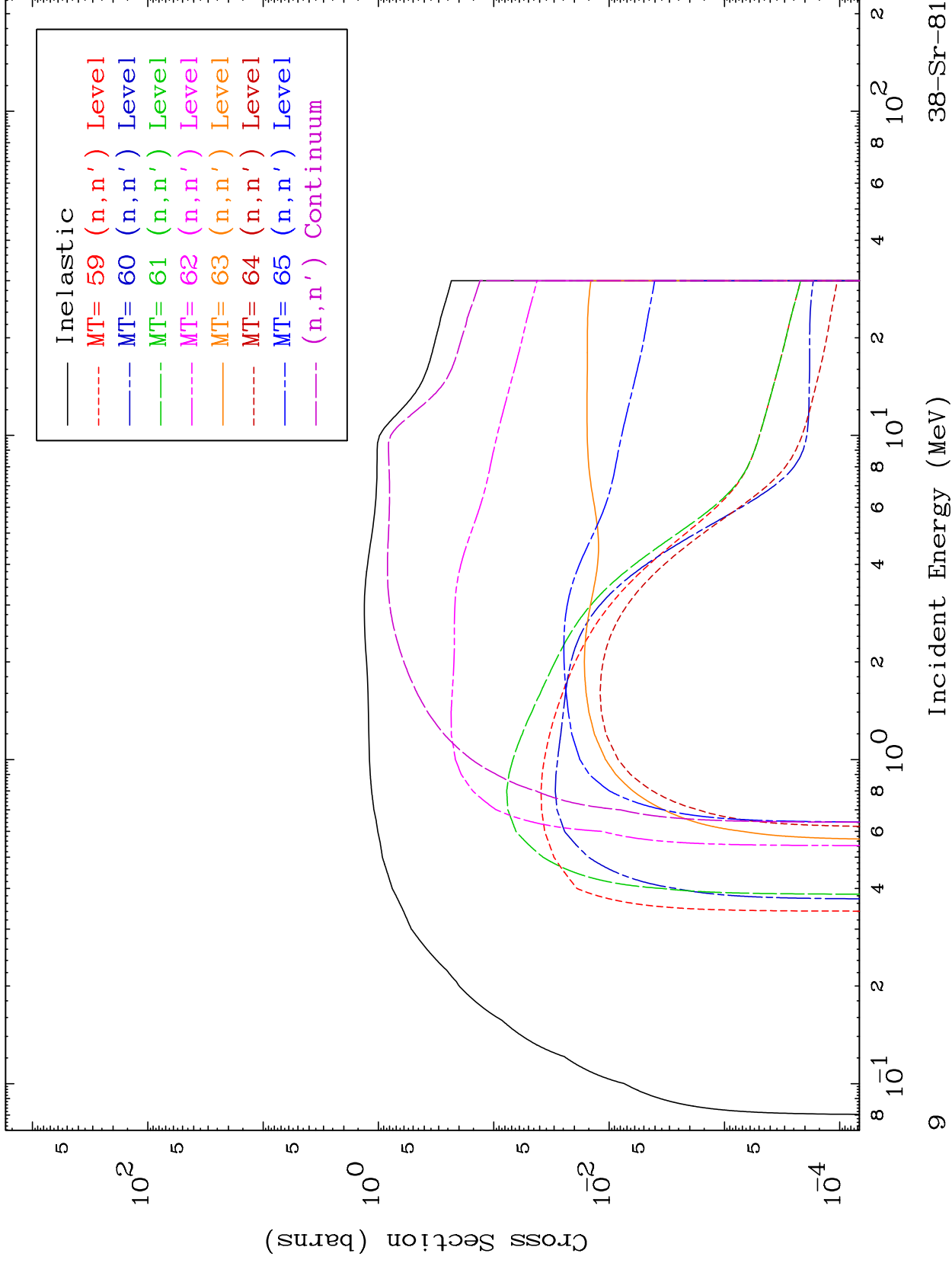
MAT 3816

Particle Production  
293 Kelvin Cross Sections

38-Sr-81



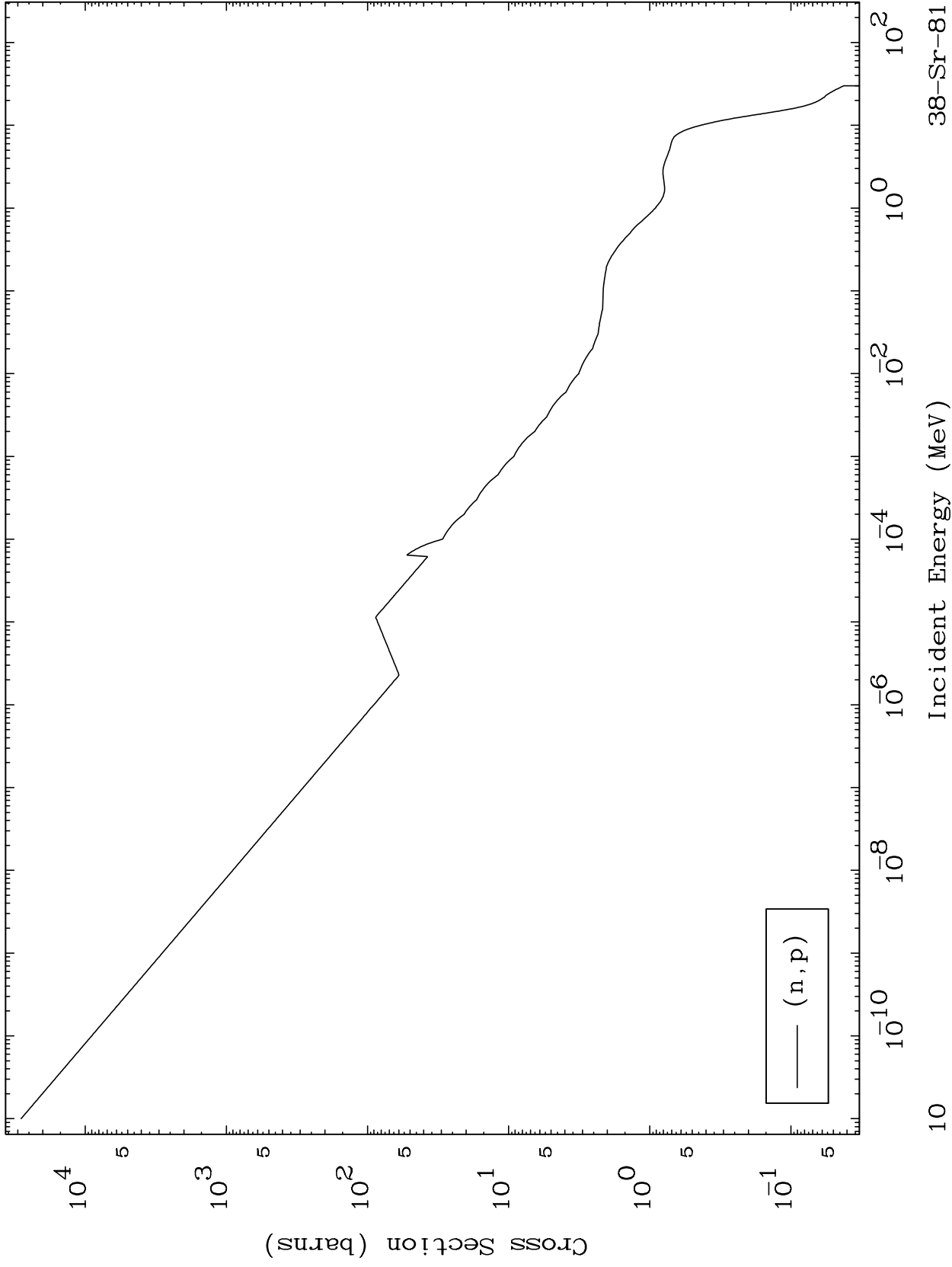




MAT 3816

(n,p) Levels  
293 Kelvin Cross Sections

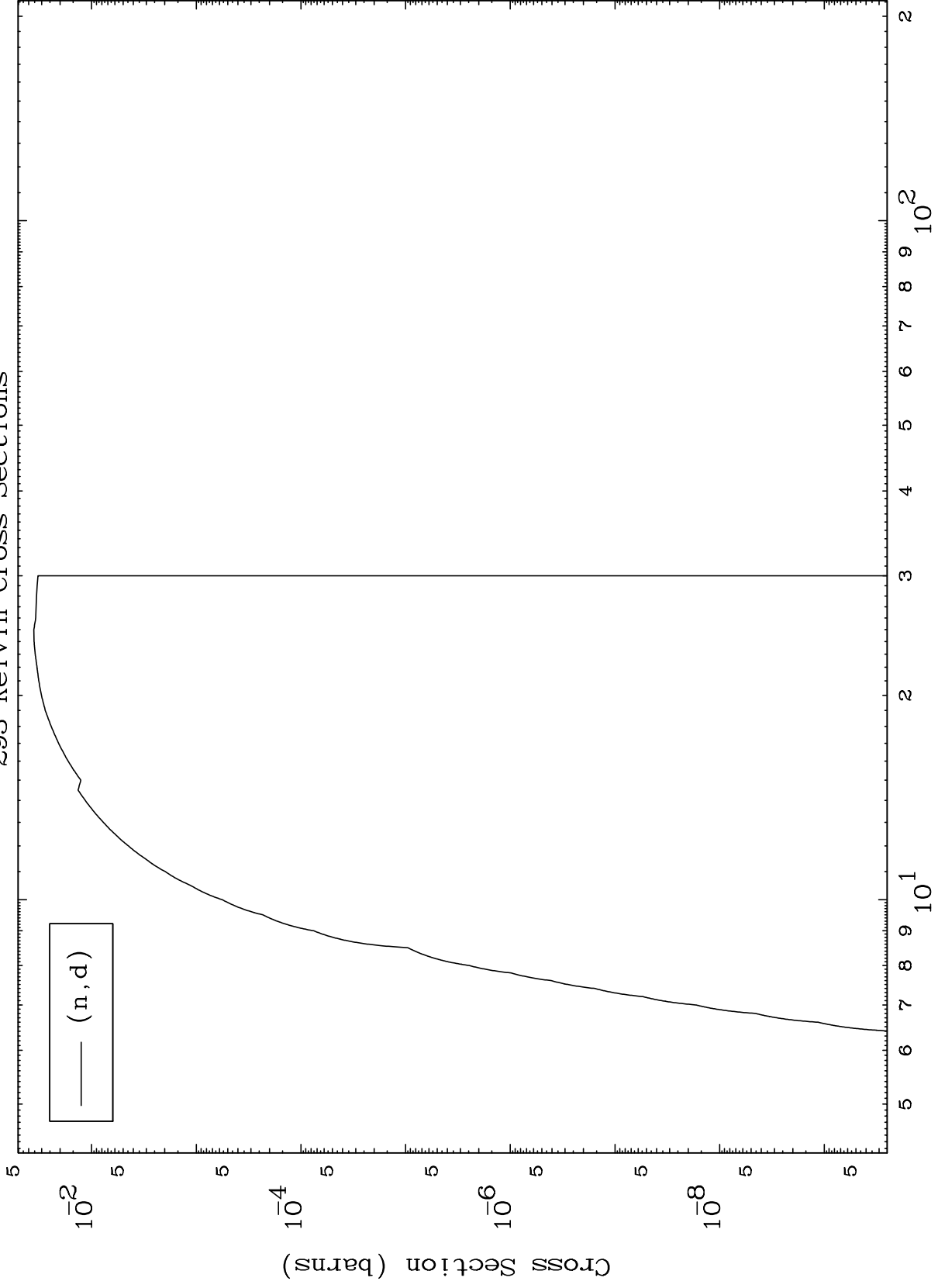
38-Sr-81



MAT 3816

(n,d) Levels  
293 Kelvin Cross Sections

38-Sr-81



11

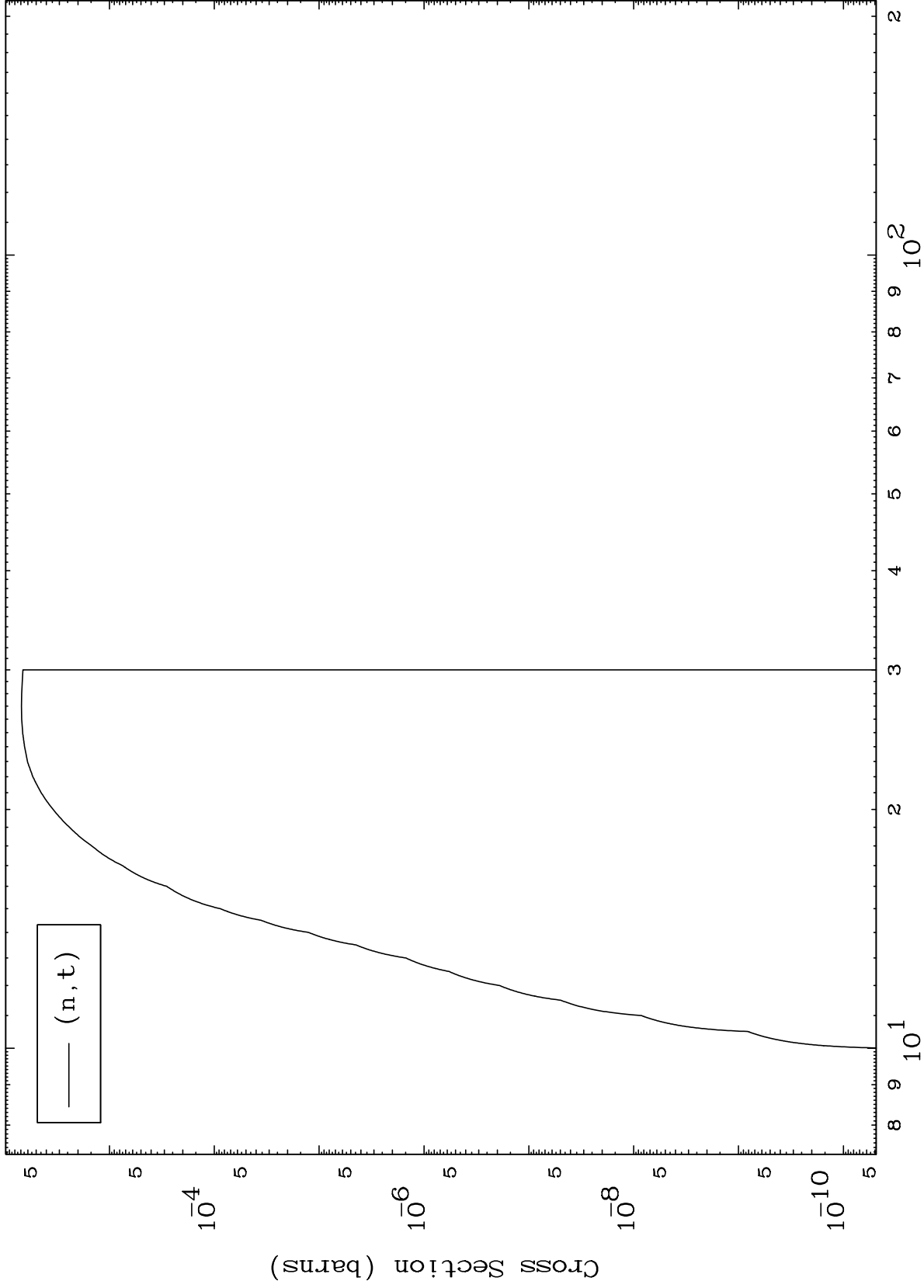
Incident Energy (MeV)

38-Sr-81

MAT 3816

(n,t) Levels  
293 Kelvin Cross Sections

38-Sr-81



12

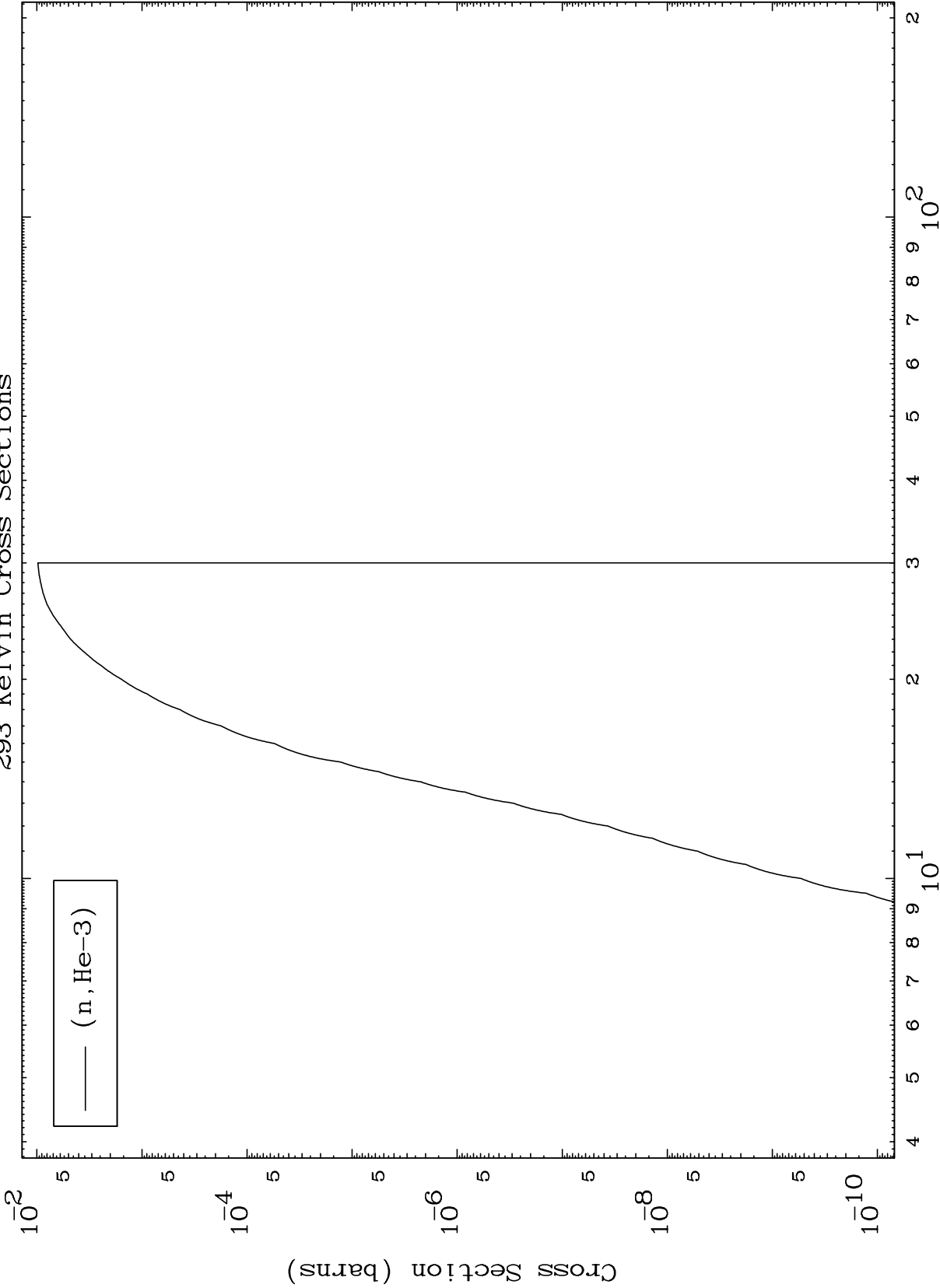
Incident Energy (MeV)

38-Sr-81

MAT 3816

38-Sr-81

(n,He3) Levels  
293 Kelvin Cross Sections



13

Incident Energy (MeV)

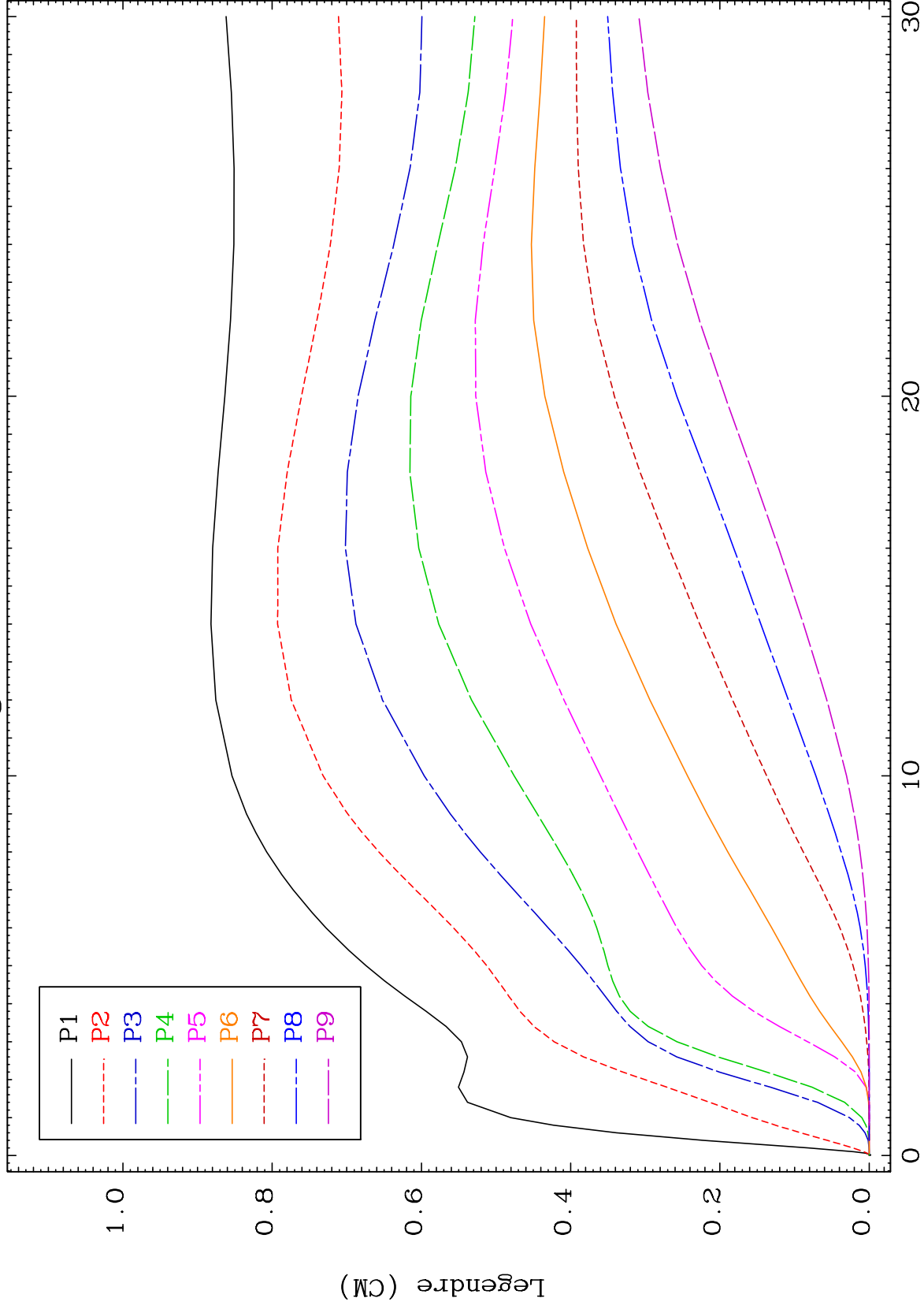
38-Sr-81



MAT 3816

Elastic Legendre Coefficients

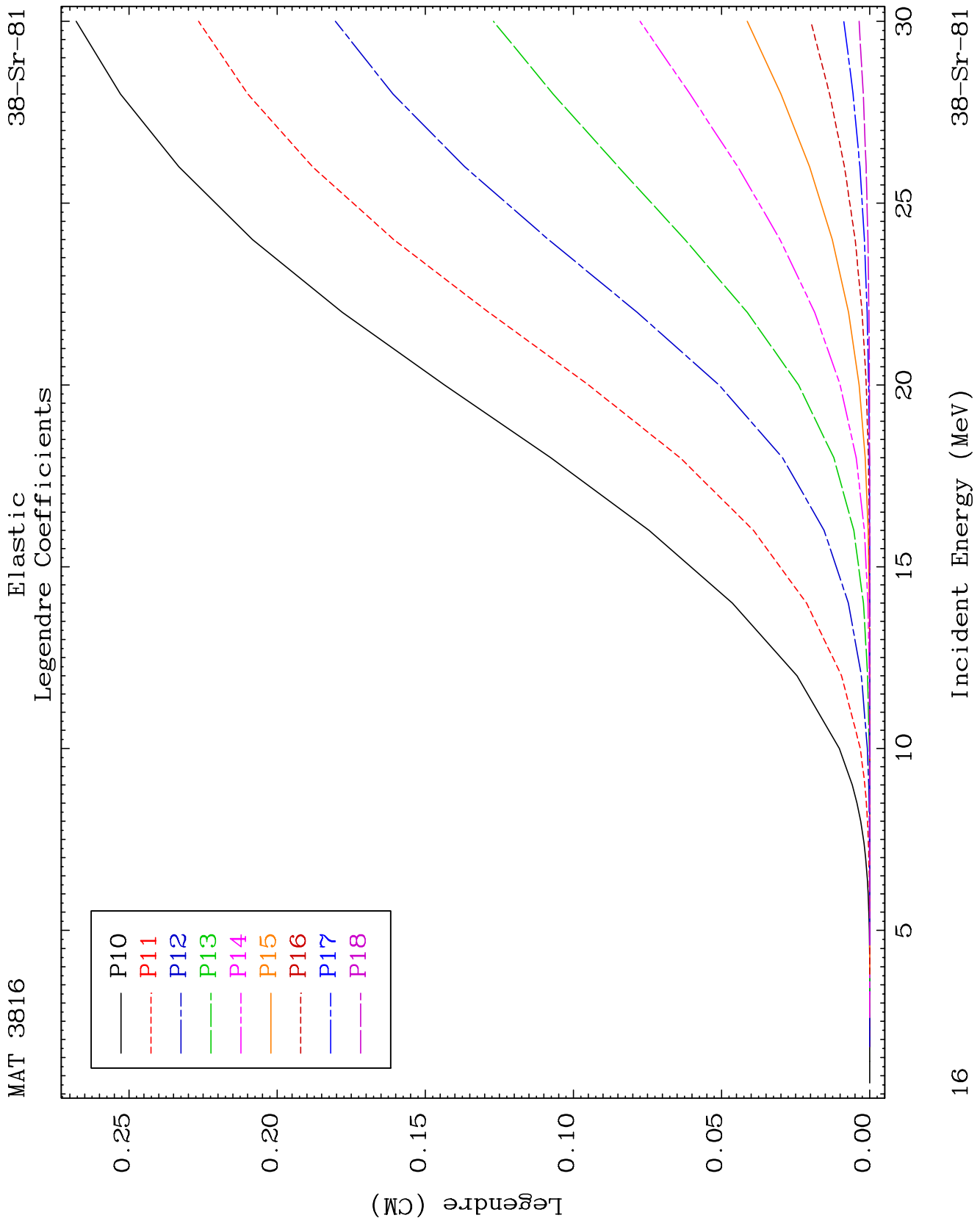
<sup>38</sup>Sr-81



15

Incident Energy (MeV)

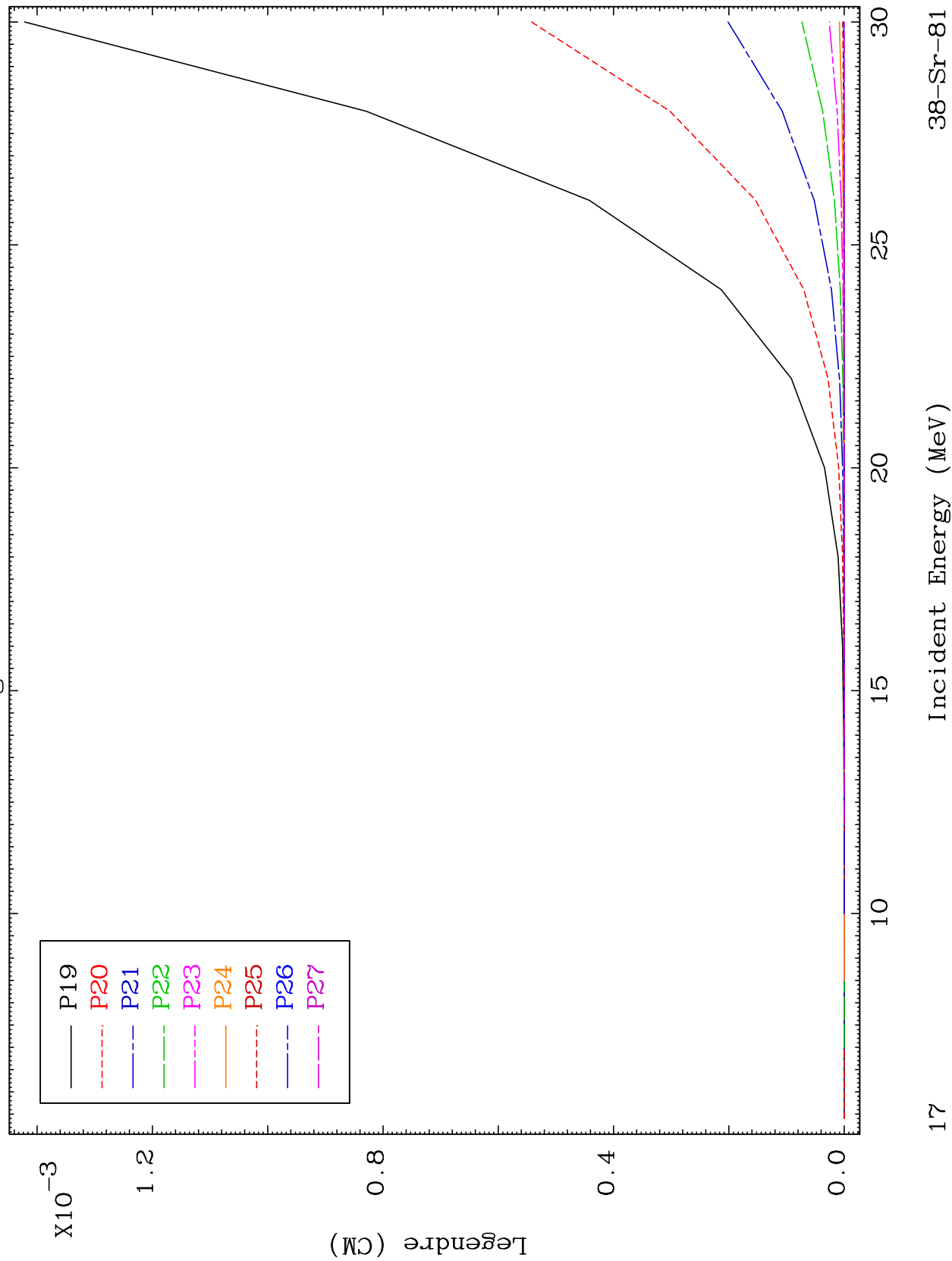
<sup>38</sup>Sr-81



MAT 3816

Elastic Legendre Coefficients

38-Sr-81



17

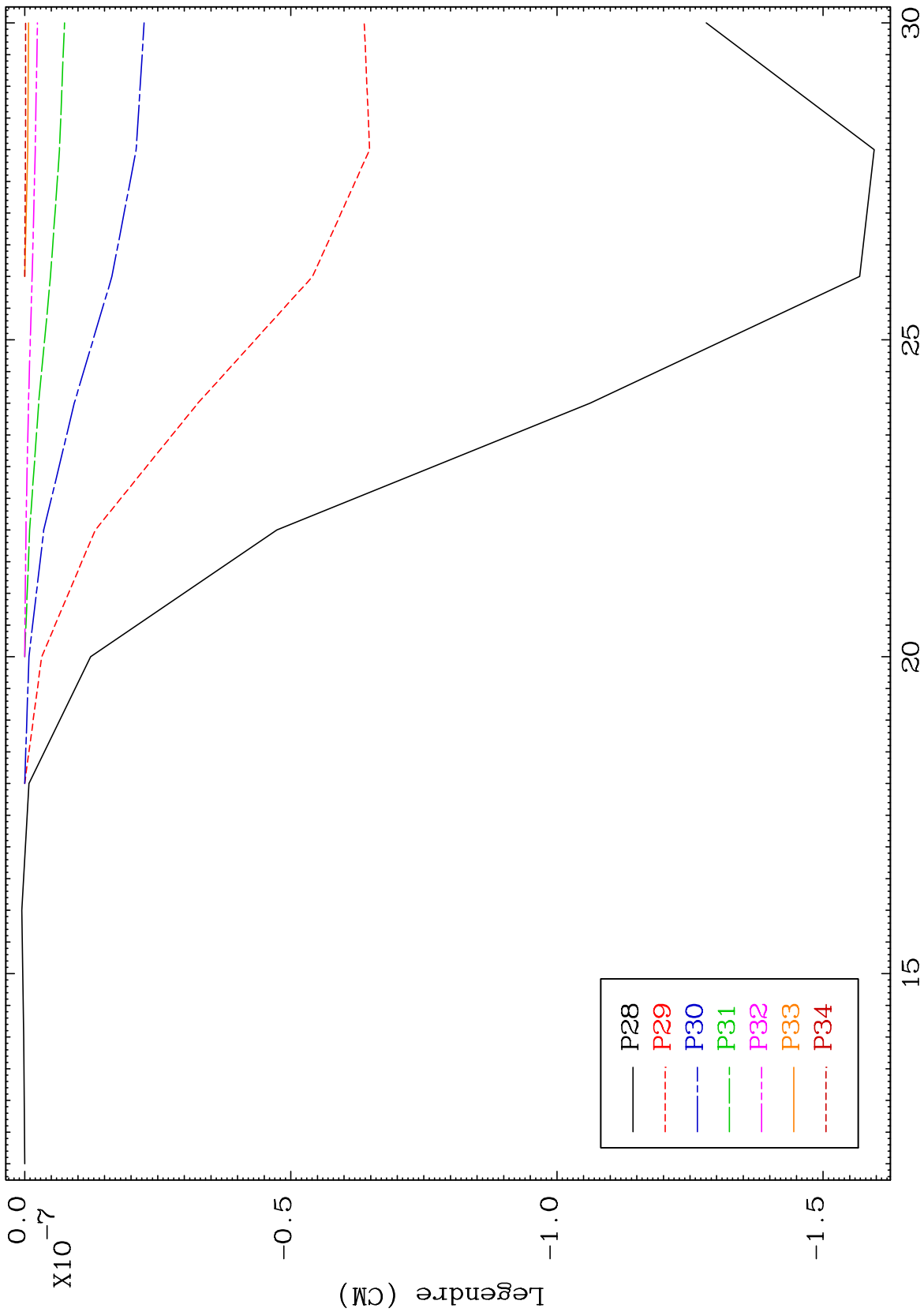
Incident Energy (MeV)

38-Sr-81

MAT 3816

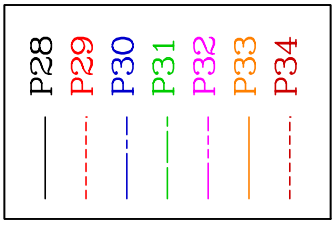
38-Sr-81

Elastic Legendre Coefficients



$\times 10^{-7}$

Legendre (CM)



18

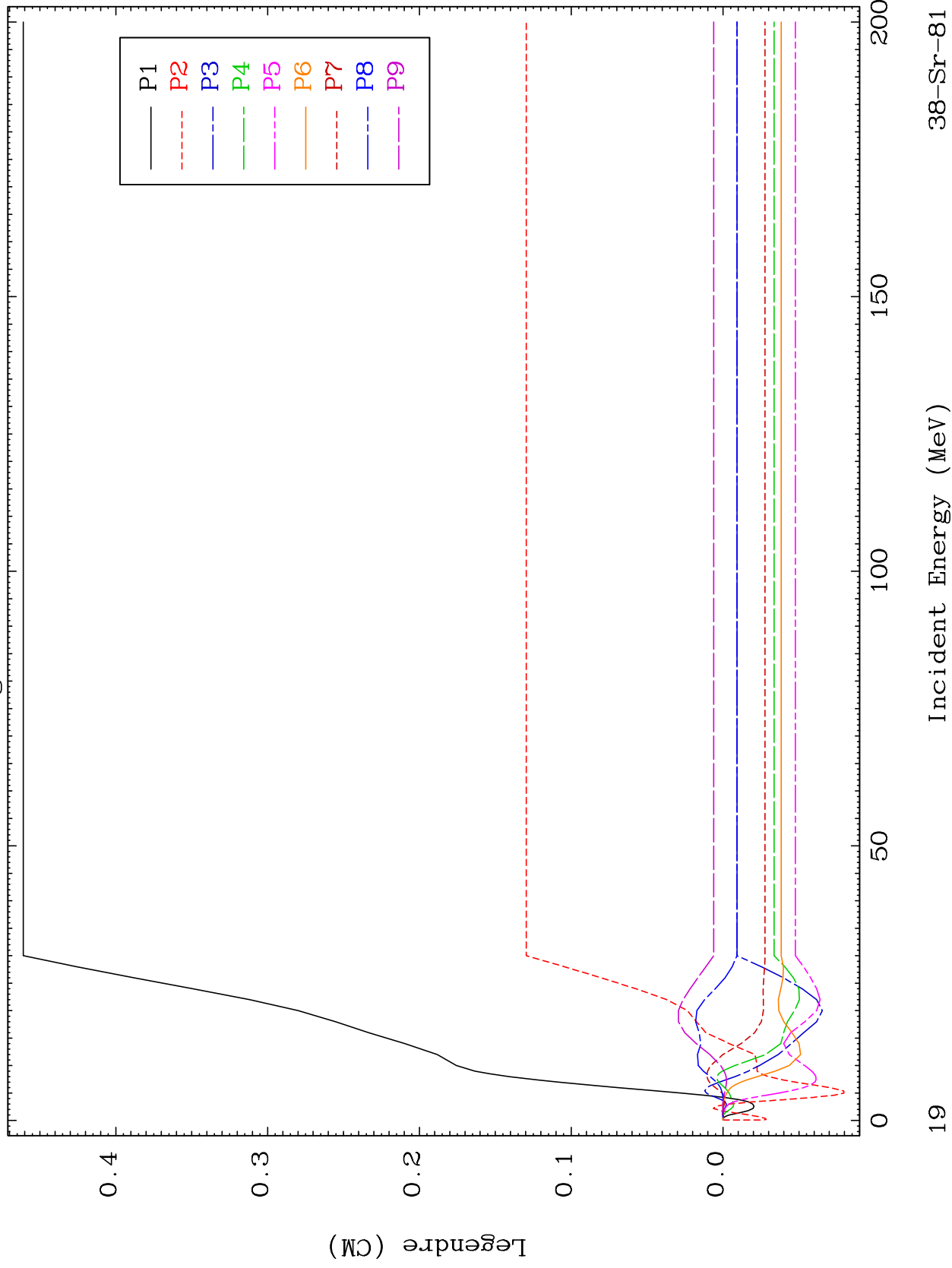
Incident Energy (MeV)

38-Sr-81

MAT 3816

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

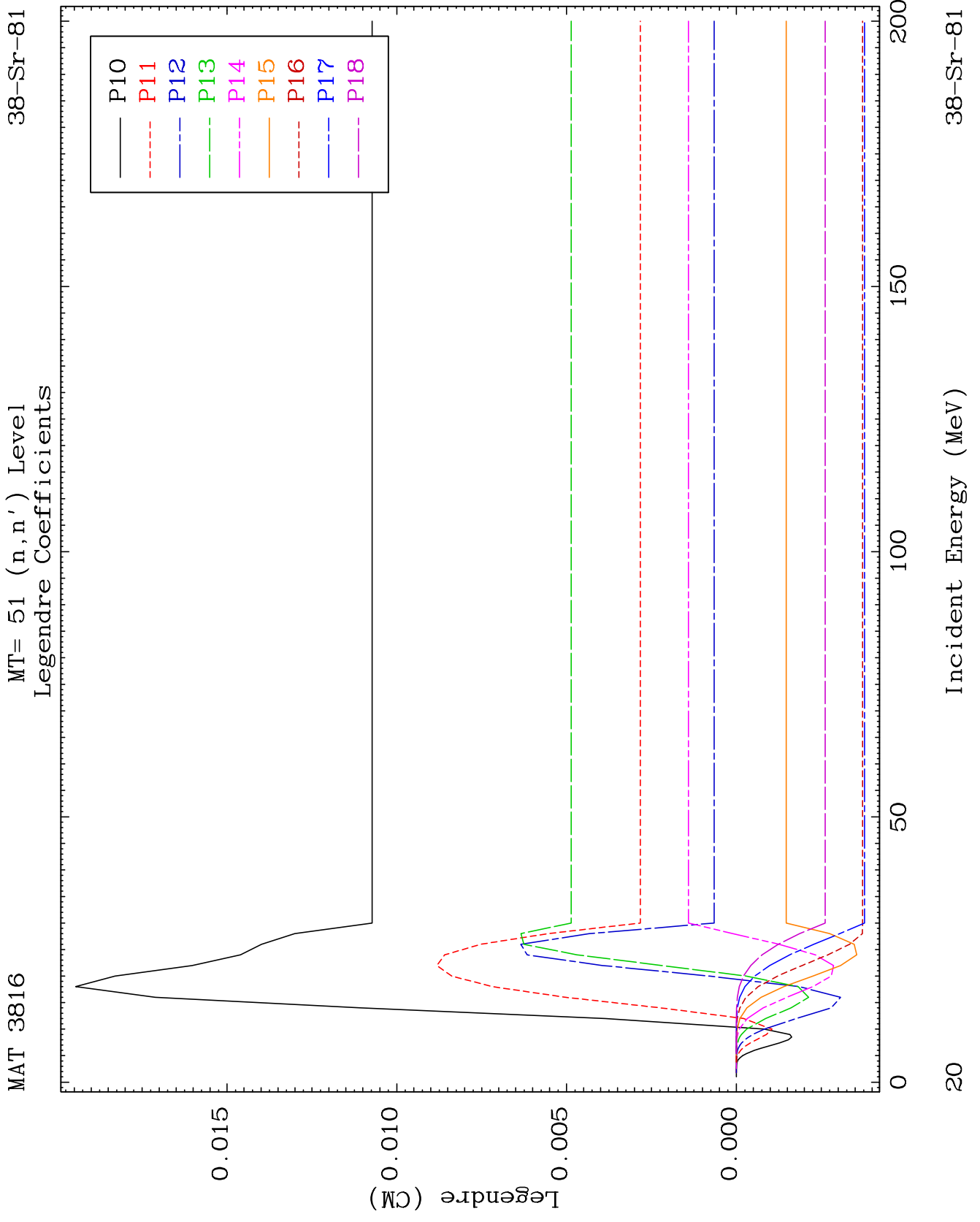
38-Sr-81

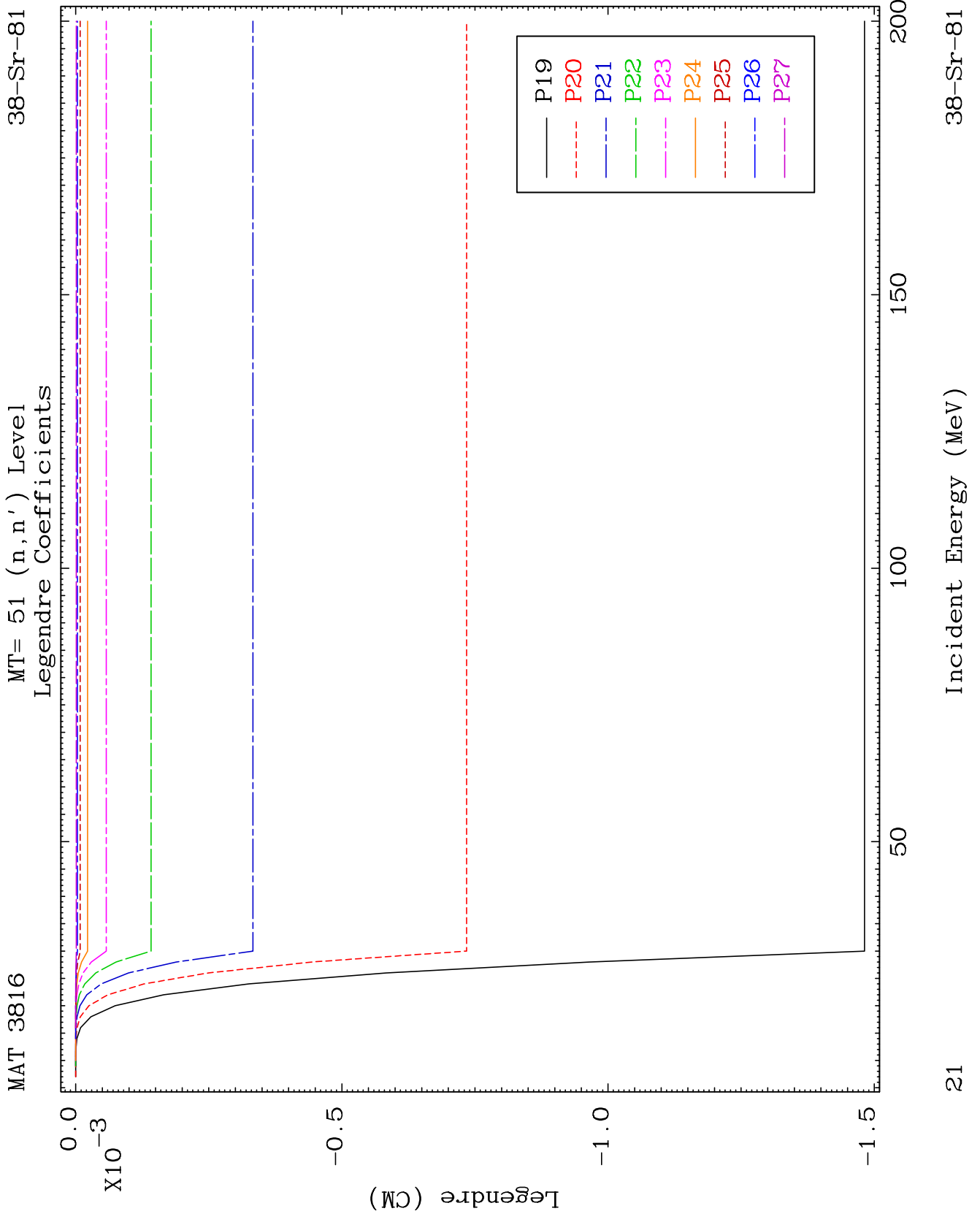


19

Incident Energy (MeV)

38-Sr-81

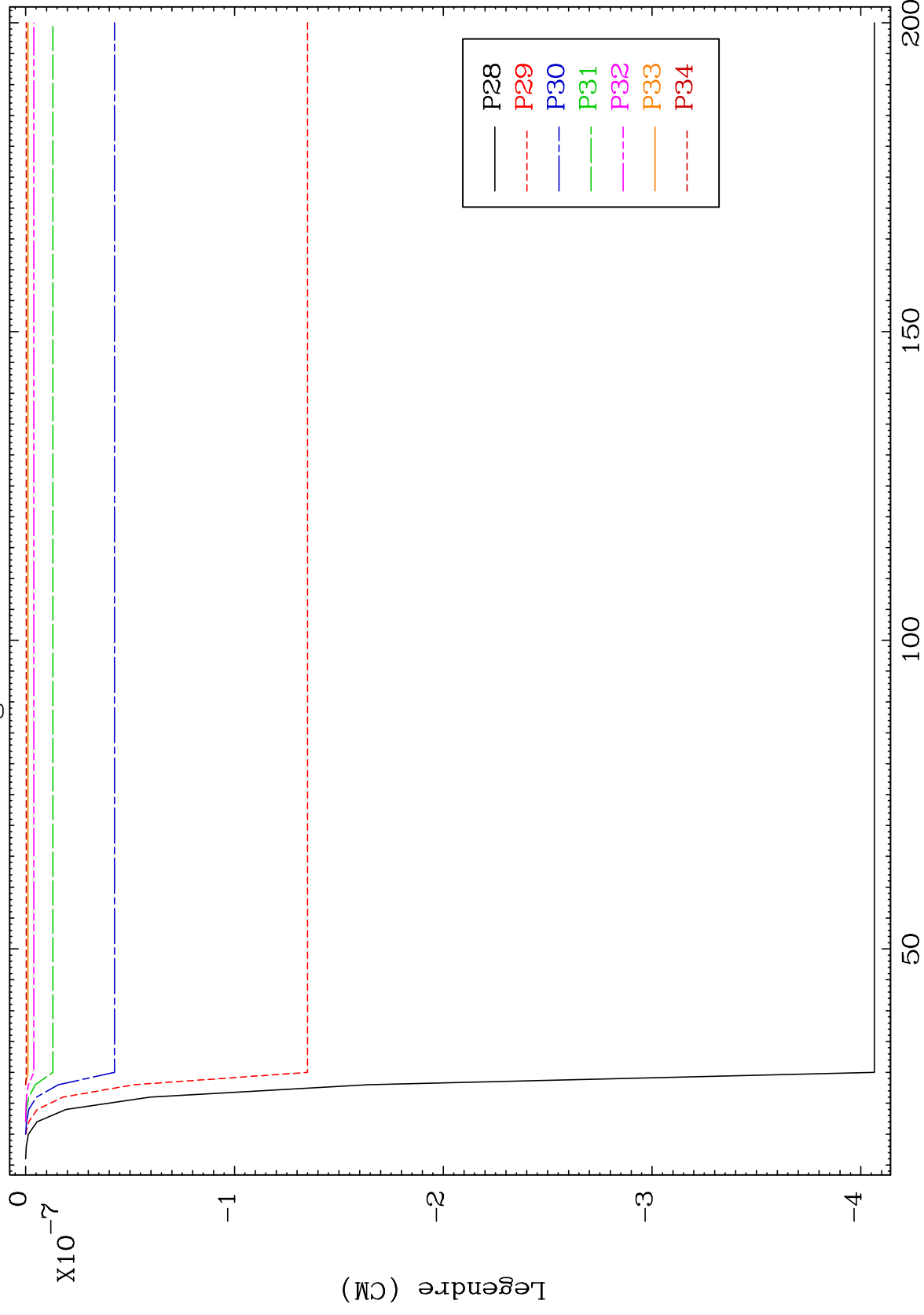




MAT 3816

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

38-Sr-81



22

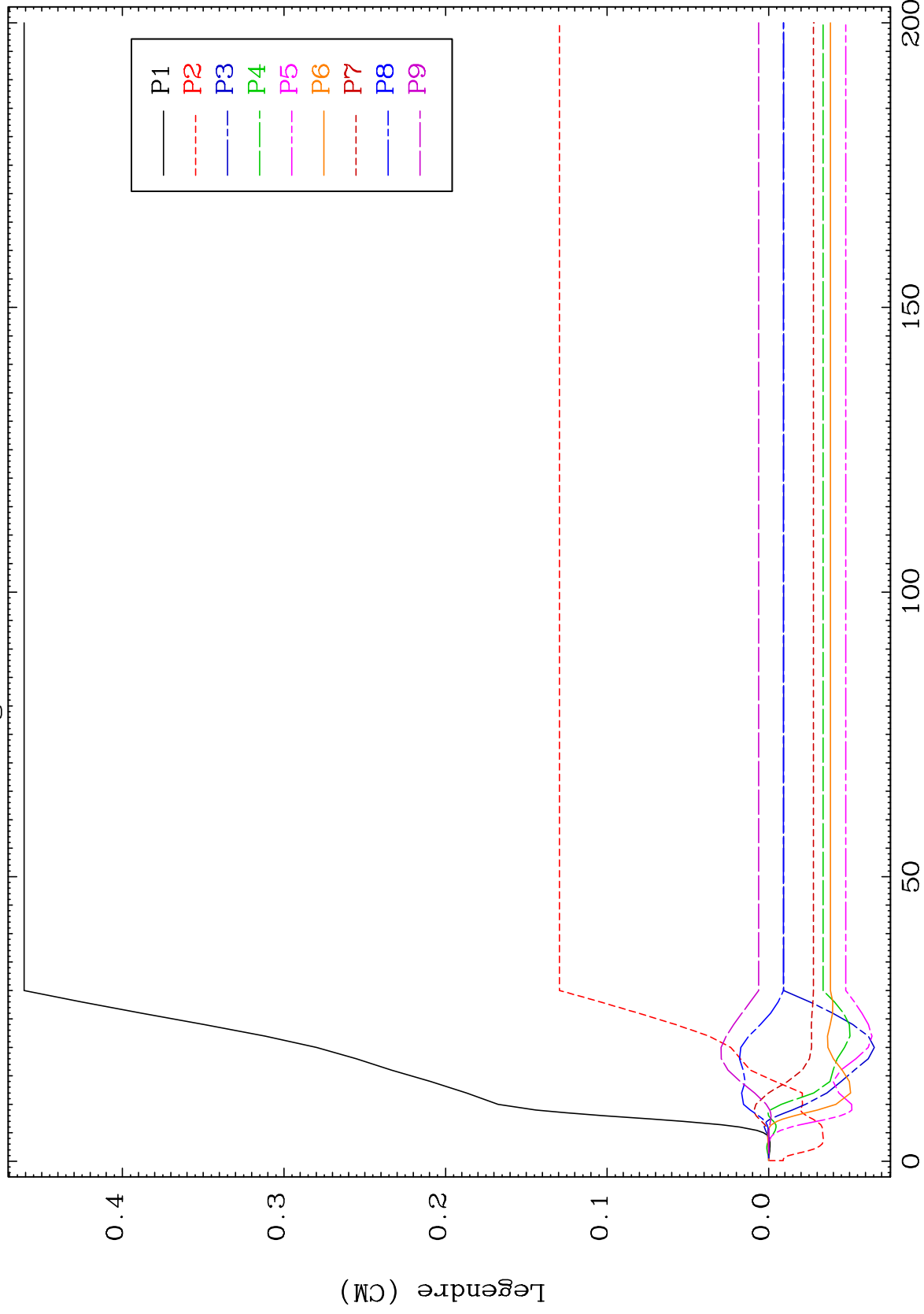
Incident Energy (MeV)

38-Sr-81

MAT 3816

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

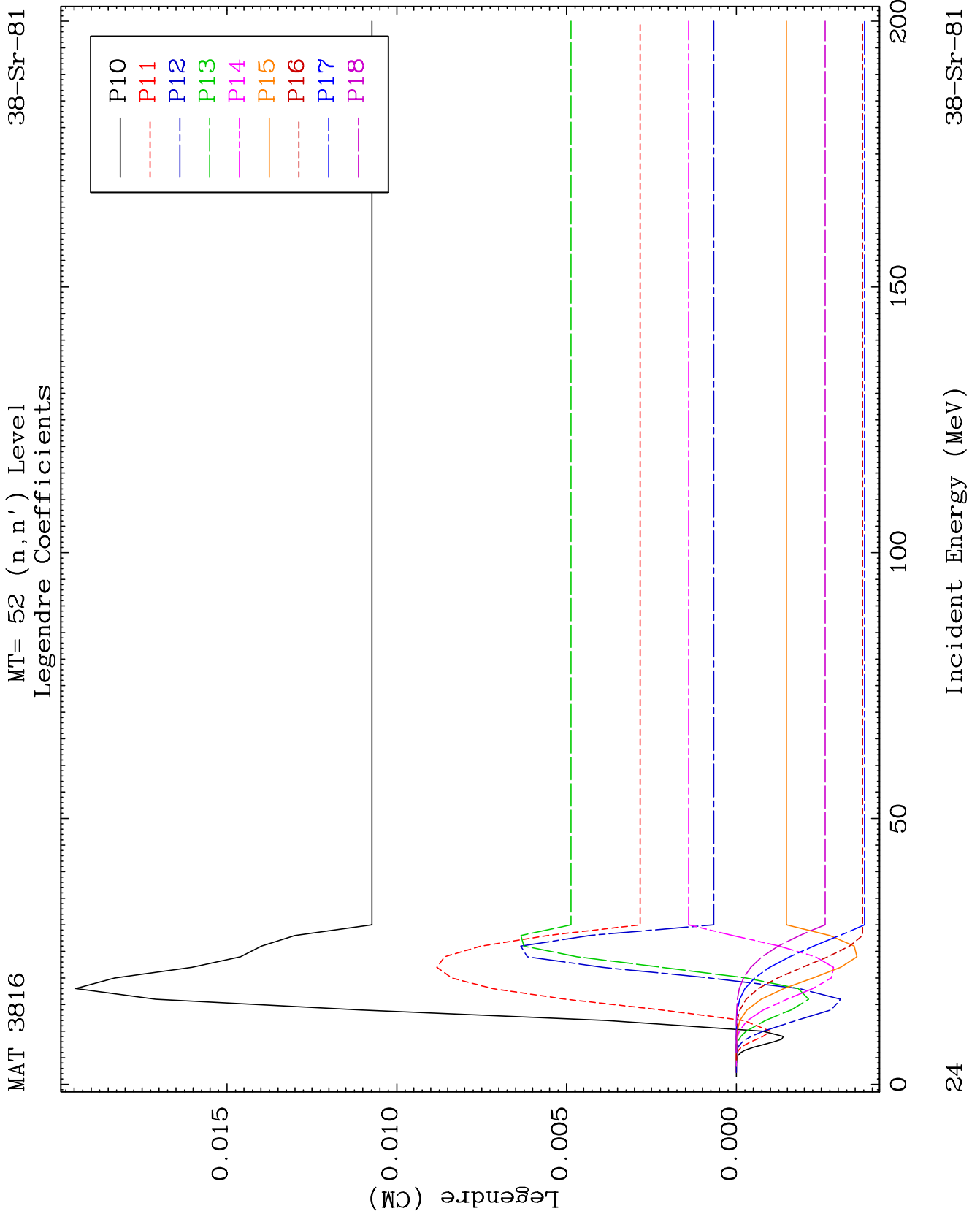
38-Sr-81

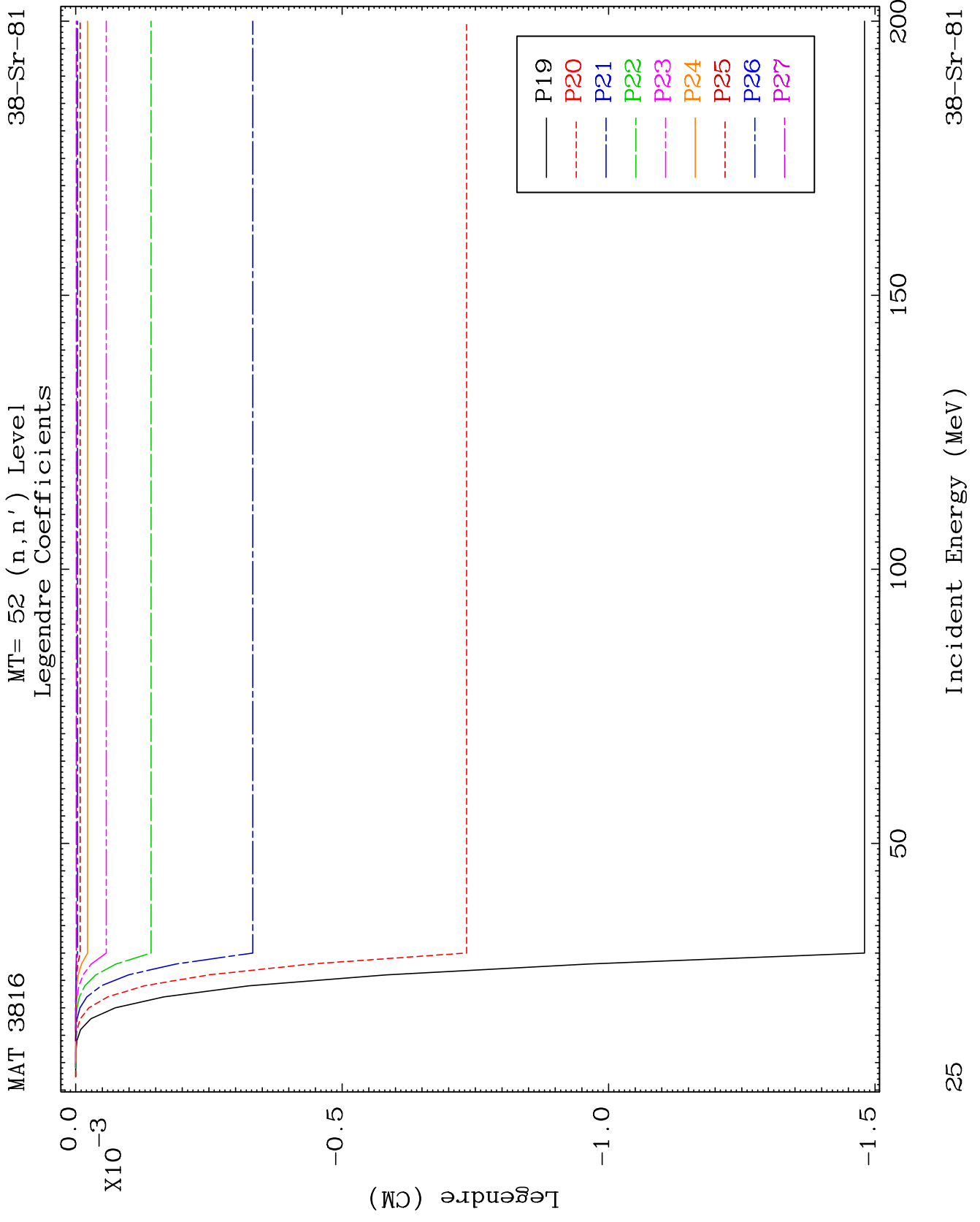


23

Incident Energy (MeV)

38-Sr-81



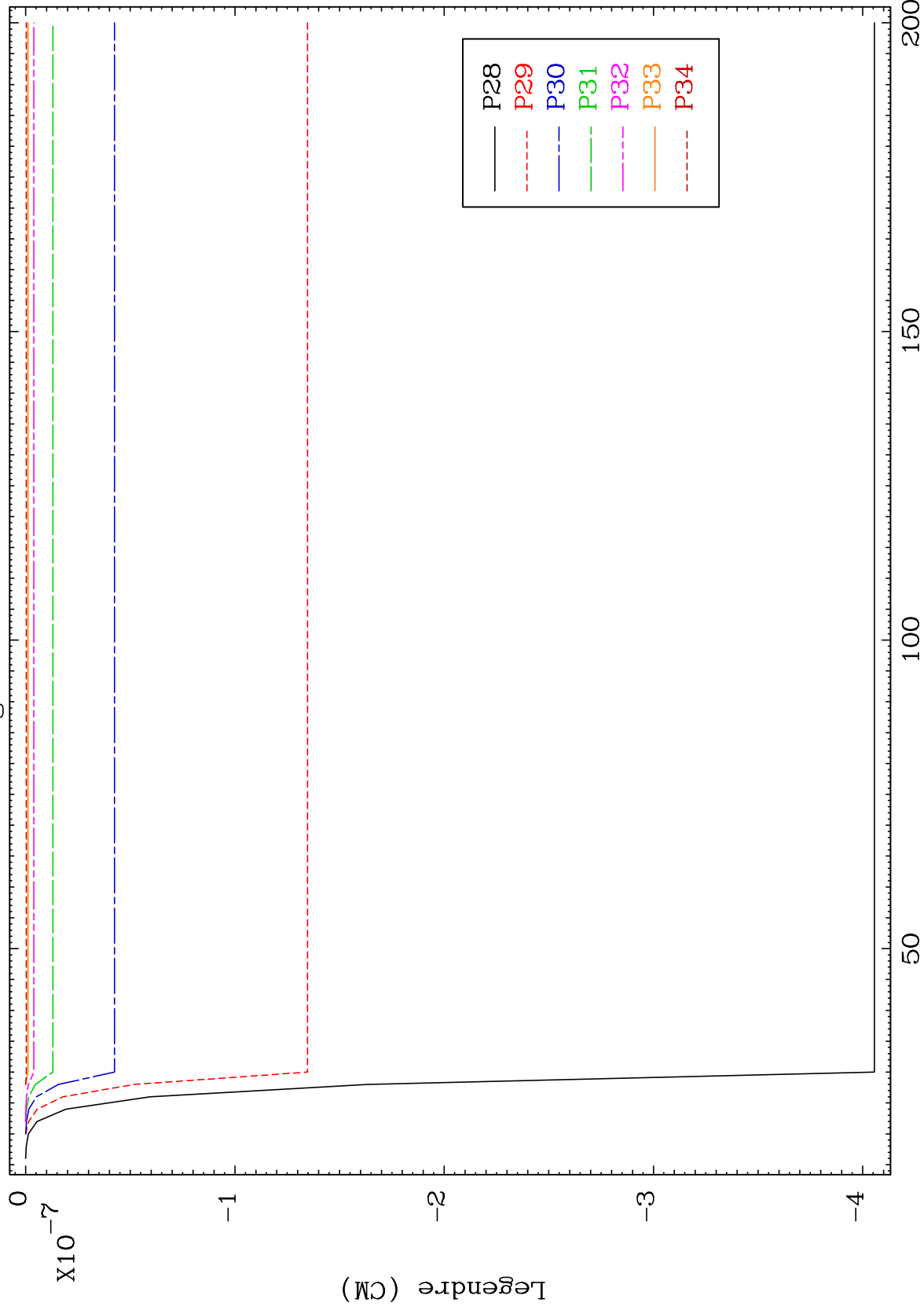


MAT 3816

MT= 52 (n,n') Level

38-Sr-81

Legendre Coefficients



26

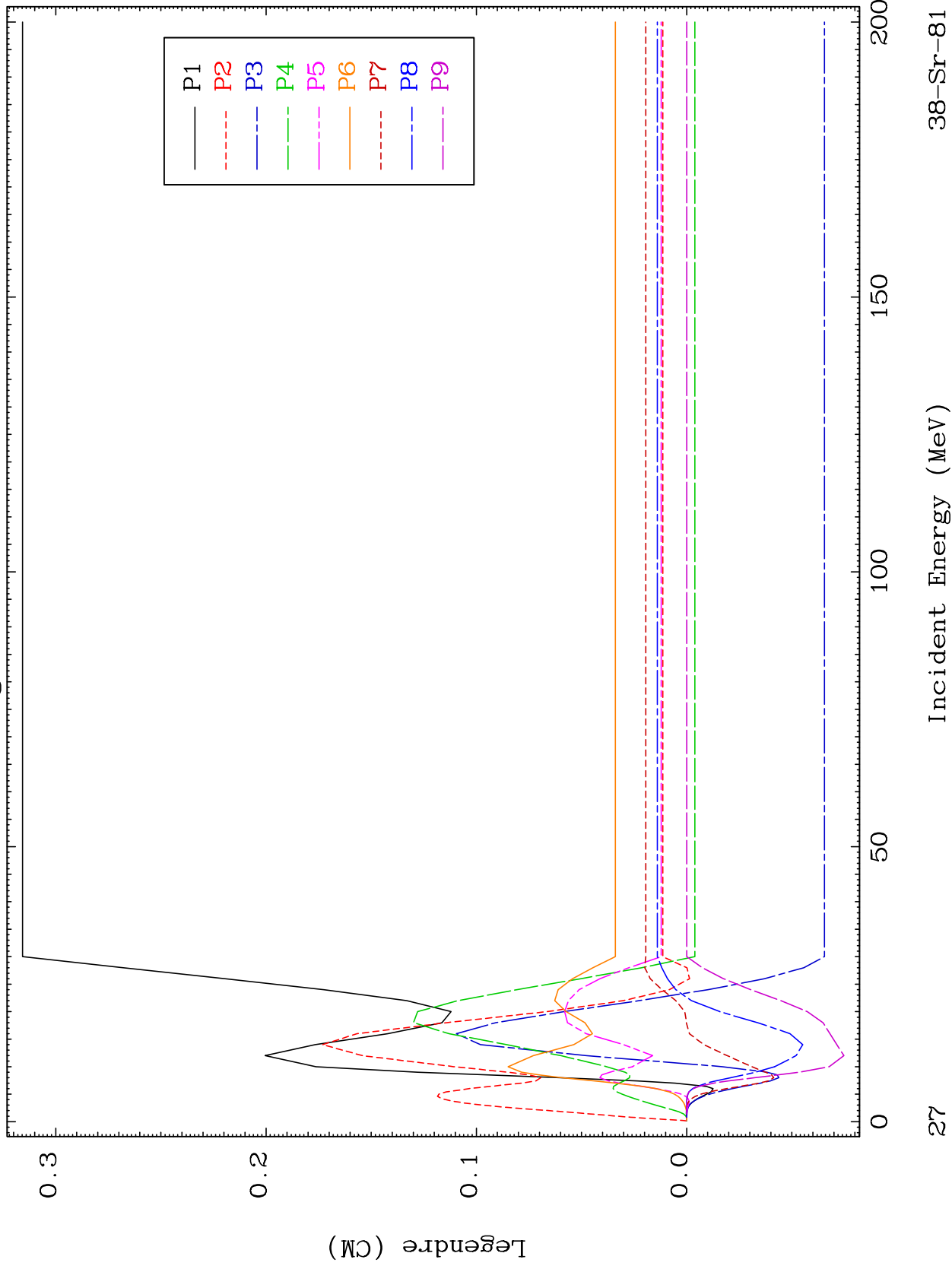
Incident Energy (MeV)

38-Sr-81

MAT 3816

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

38-Sr-81

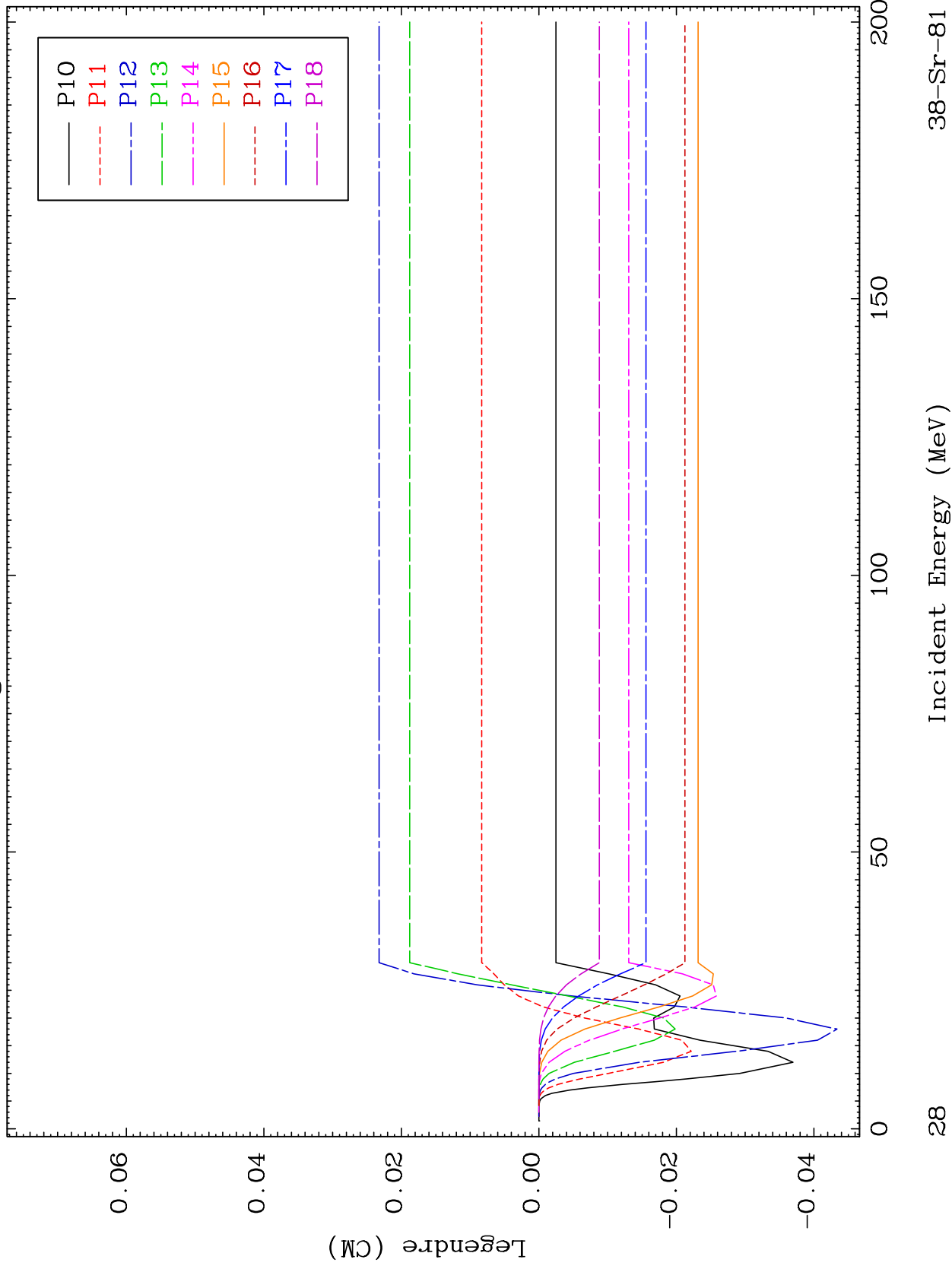


27

MAT 3816

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

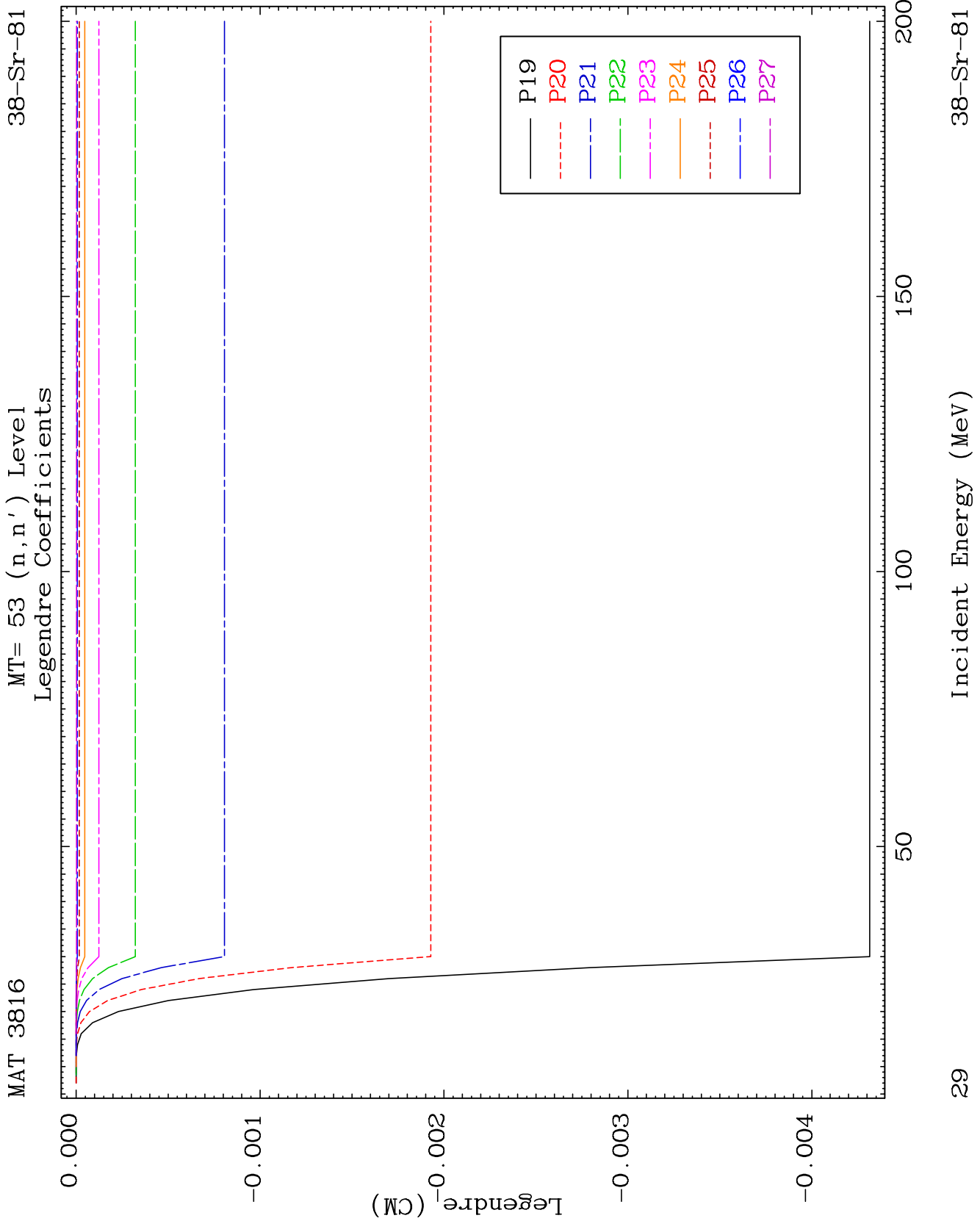
38-Sr-81

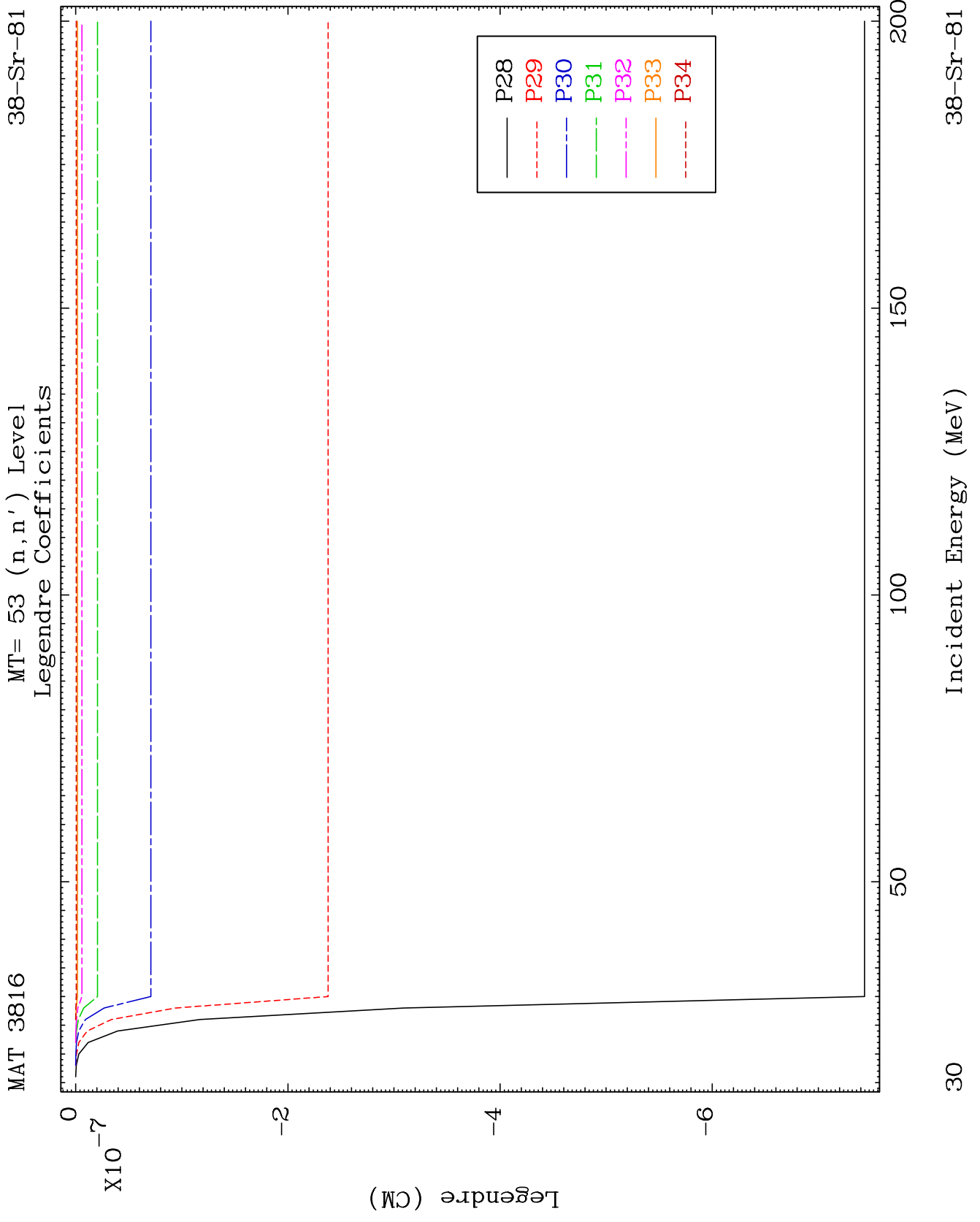


38-Sr-81

Incident Energy (MeV)

28

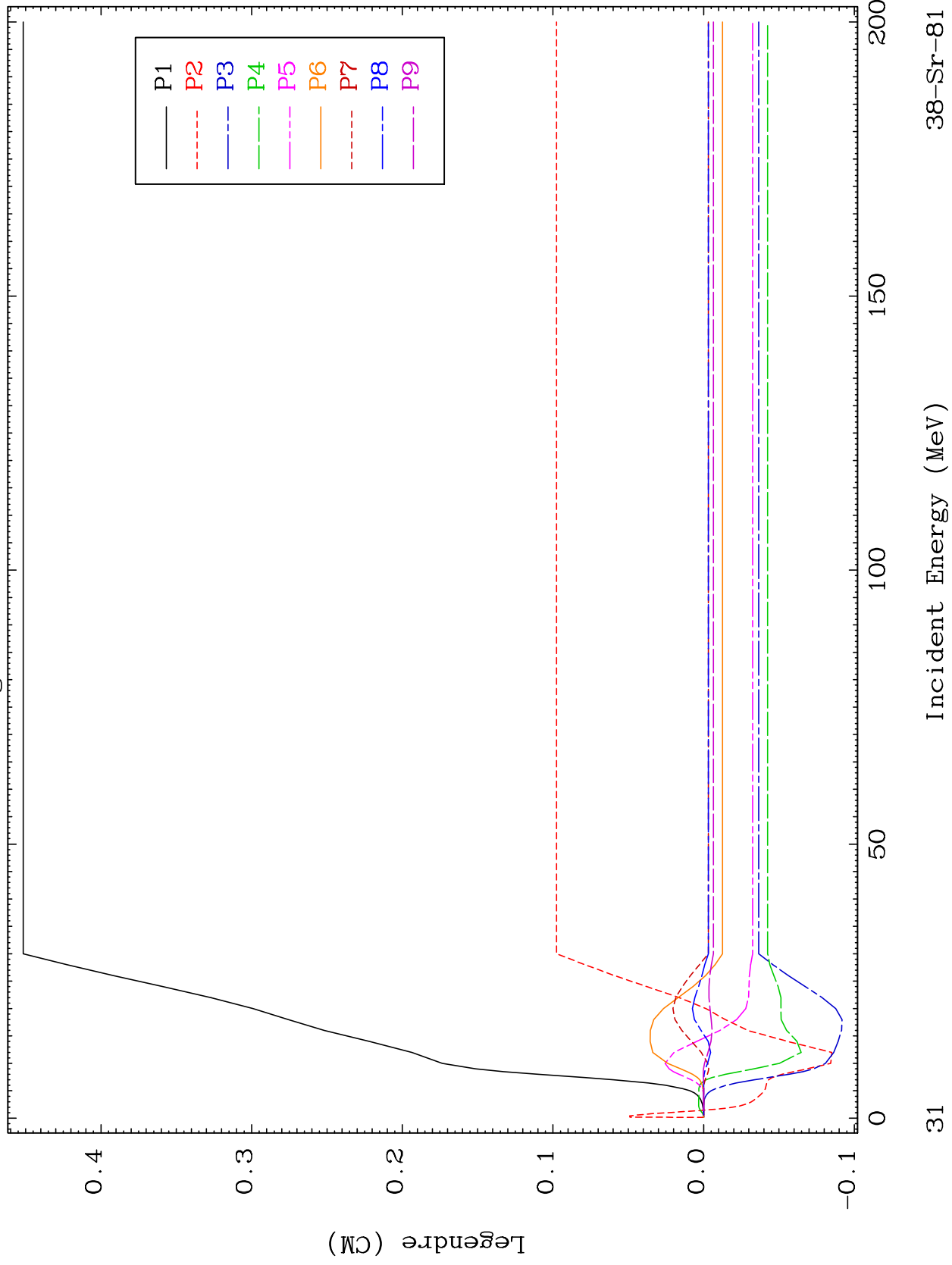




MAT 3816

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

38-Sr-81



38-Sr-81

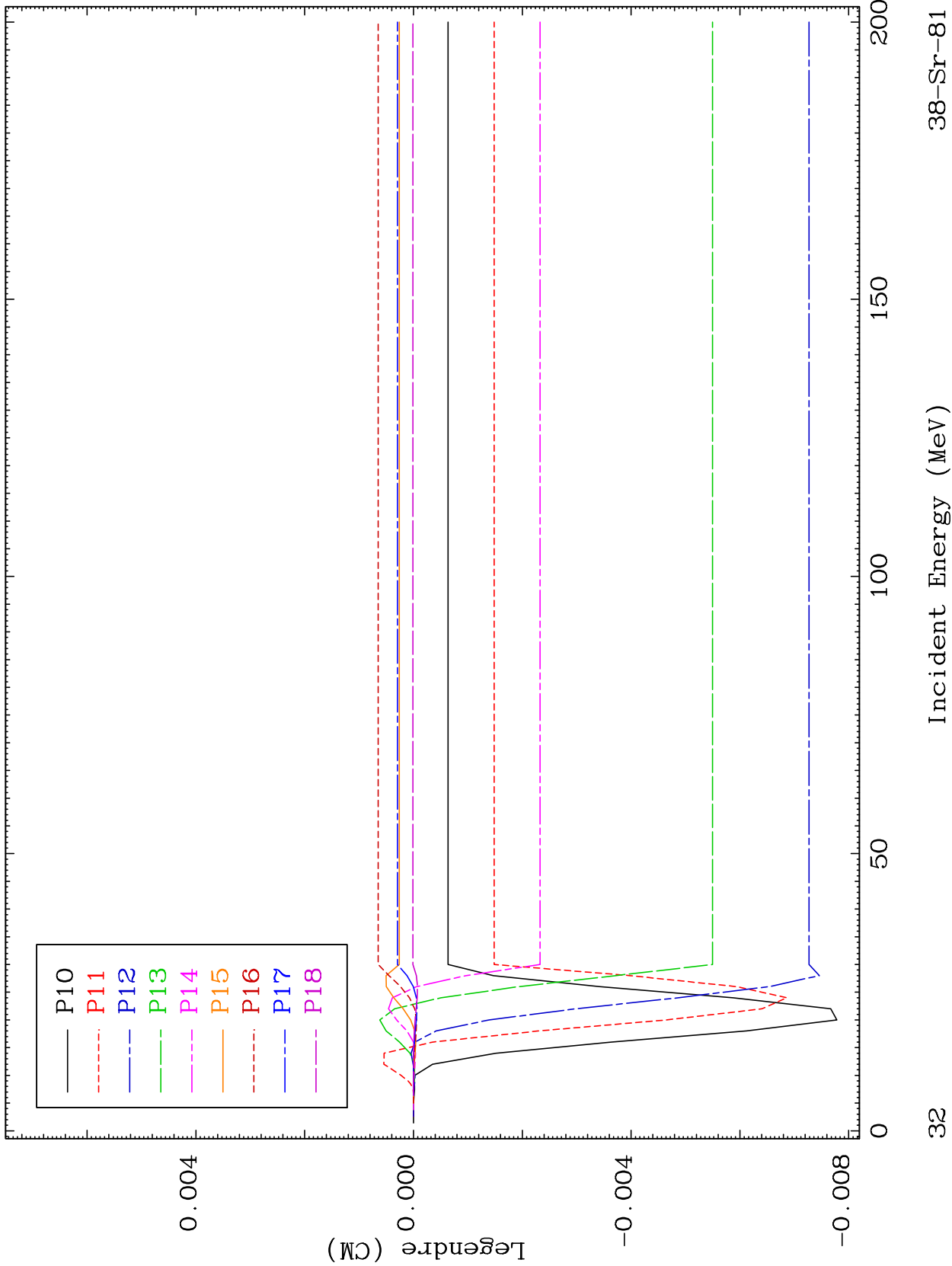
Incident Energy (MeV)

31

MAT 3816

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

38-Sr-81



32

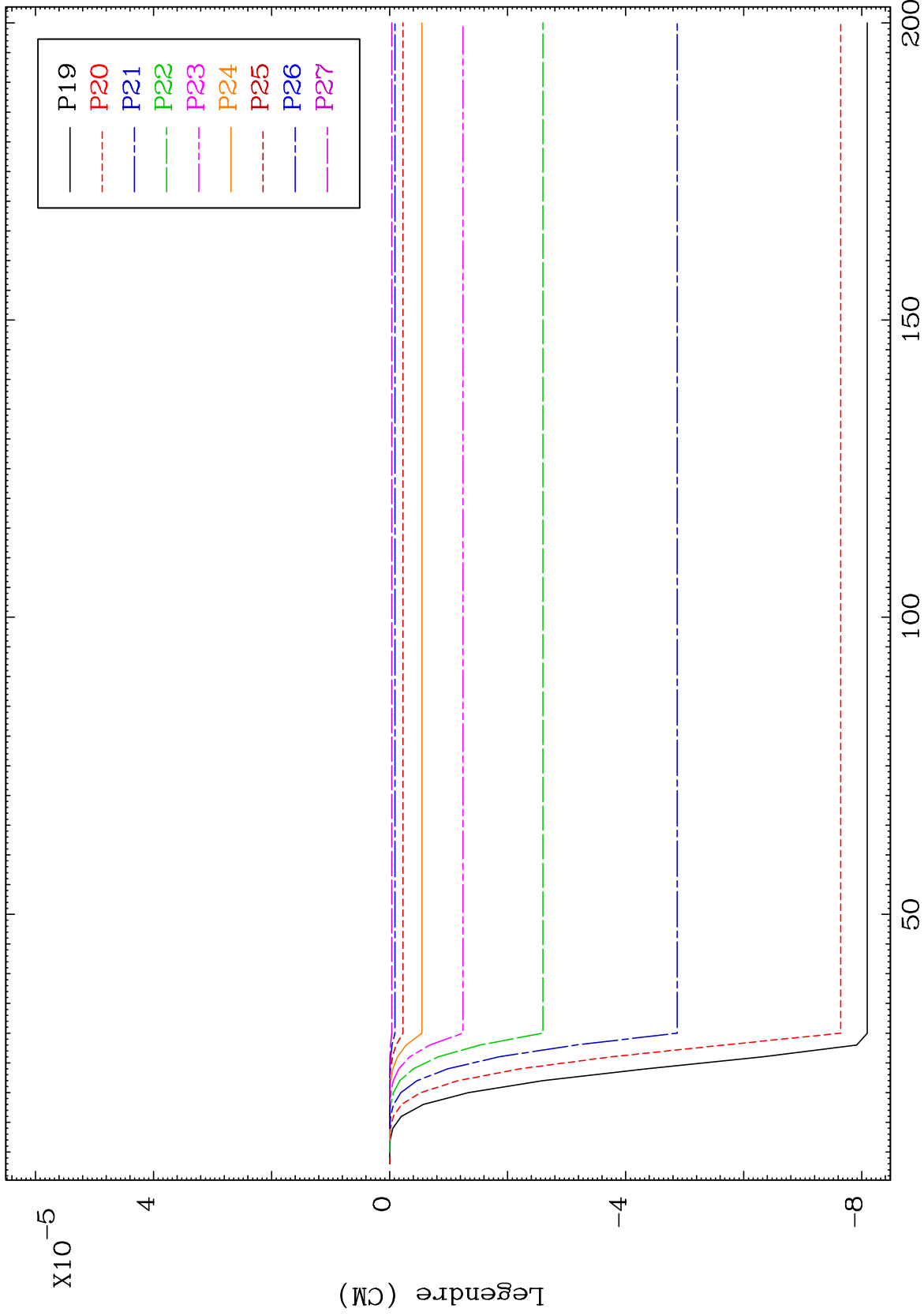
Incident Energy (MeV)

38-Sr-81

MAT 3816

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

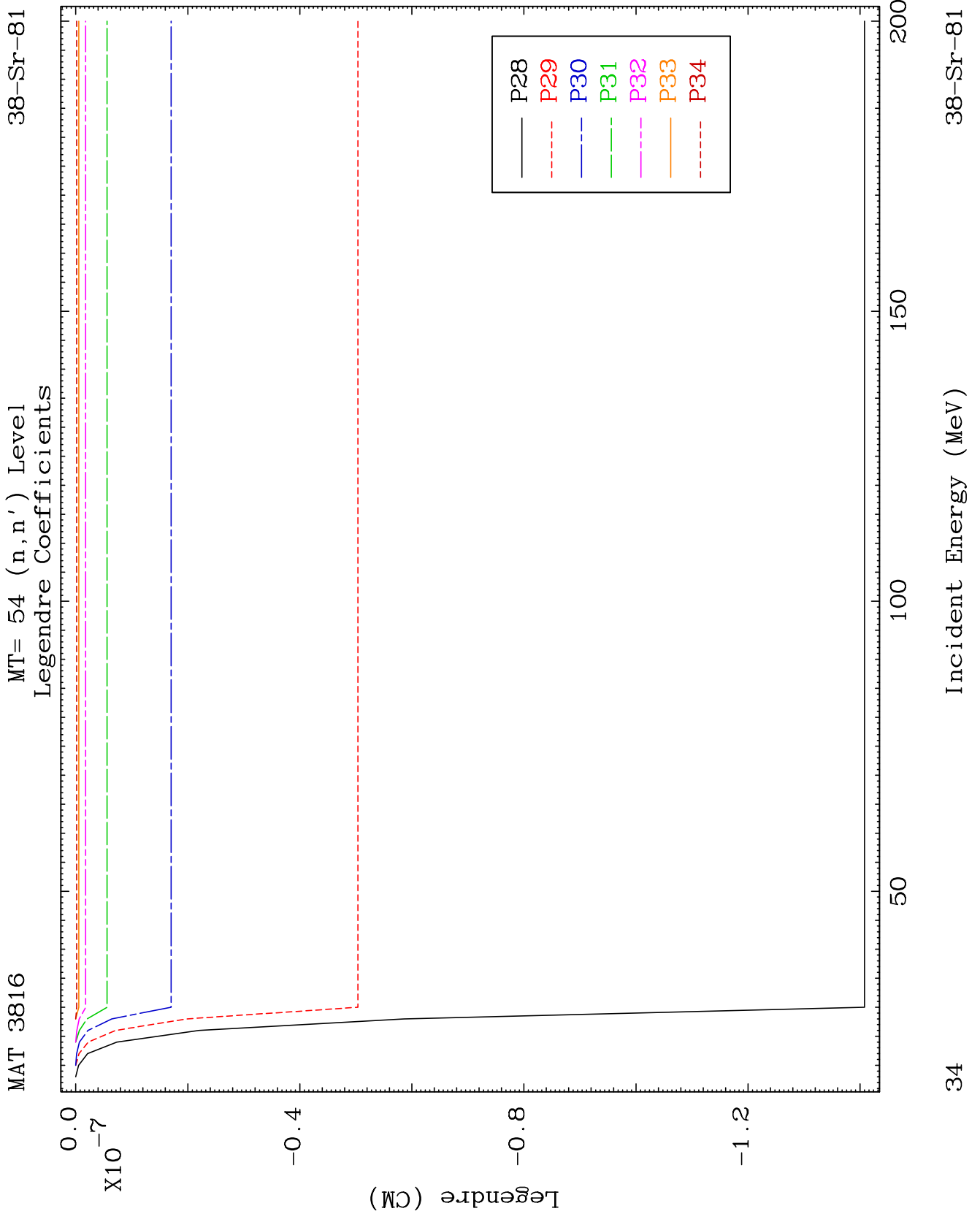
38-Sr-81



33

Incident Energy (MeV)

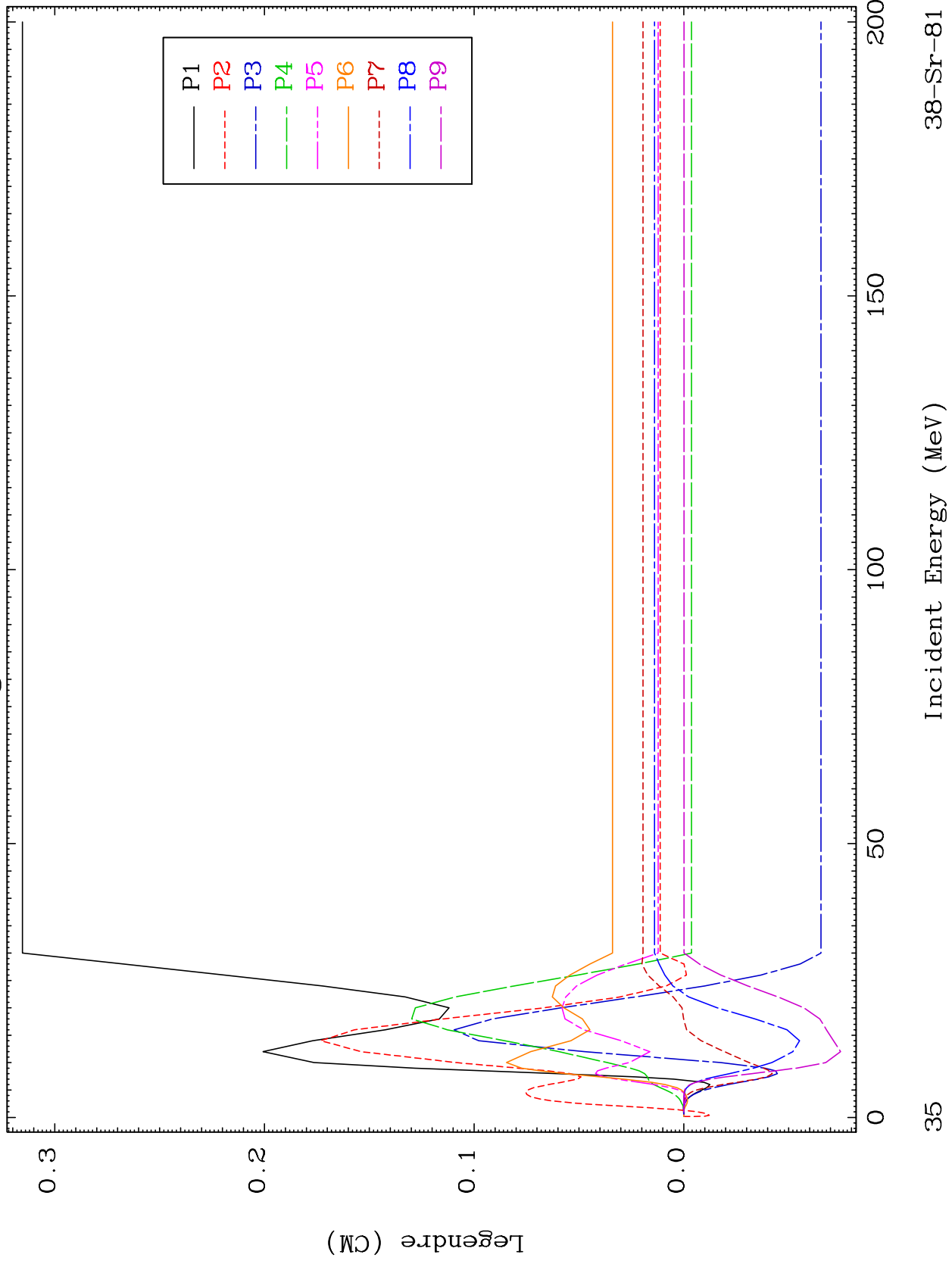
38-Sr-81



MAT 3816

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

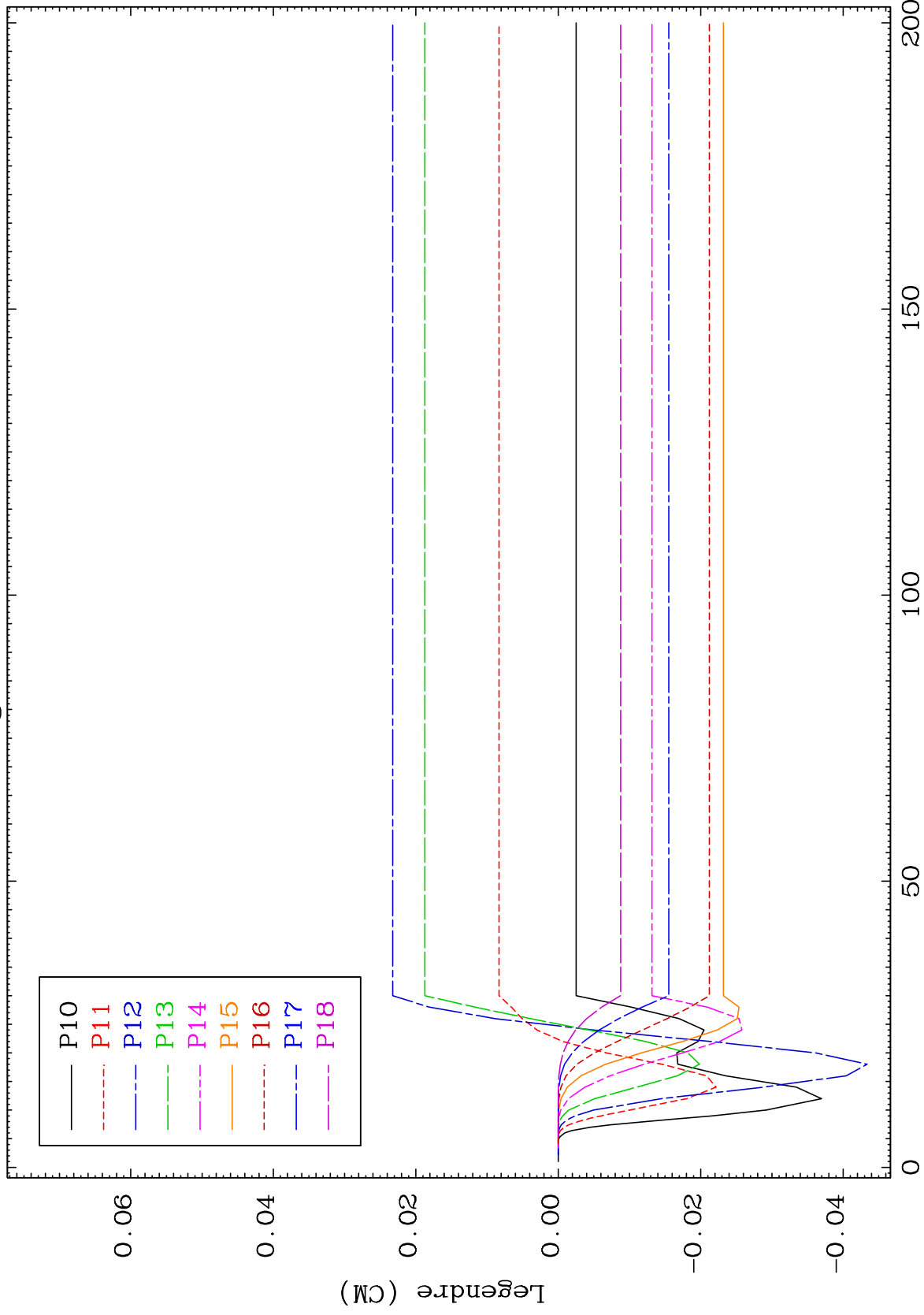
38-Sr-81



MAT 3816

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

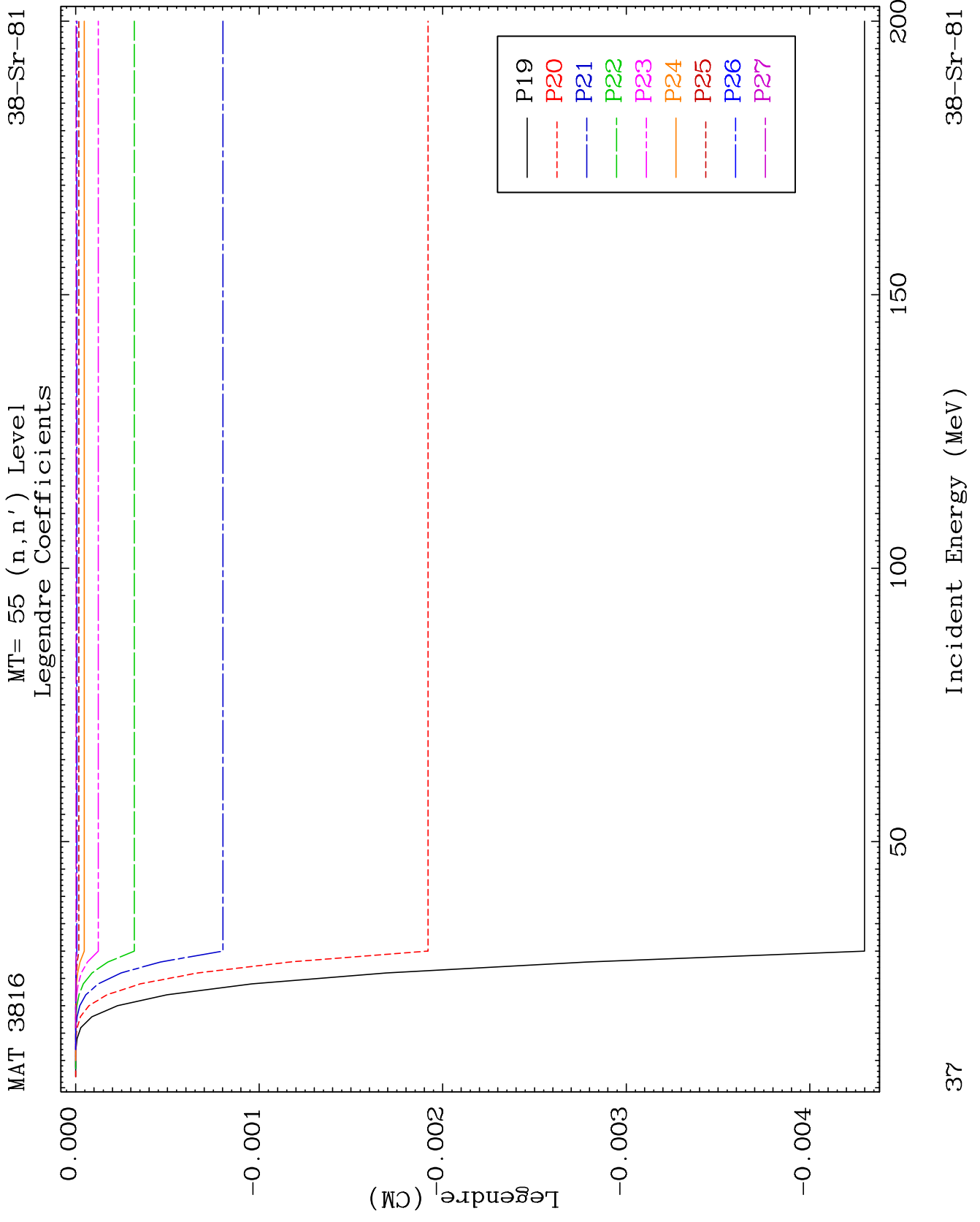
38-Sr-81



36

Incident Energy (MeV)

38-Sr-81

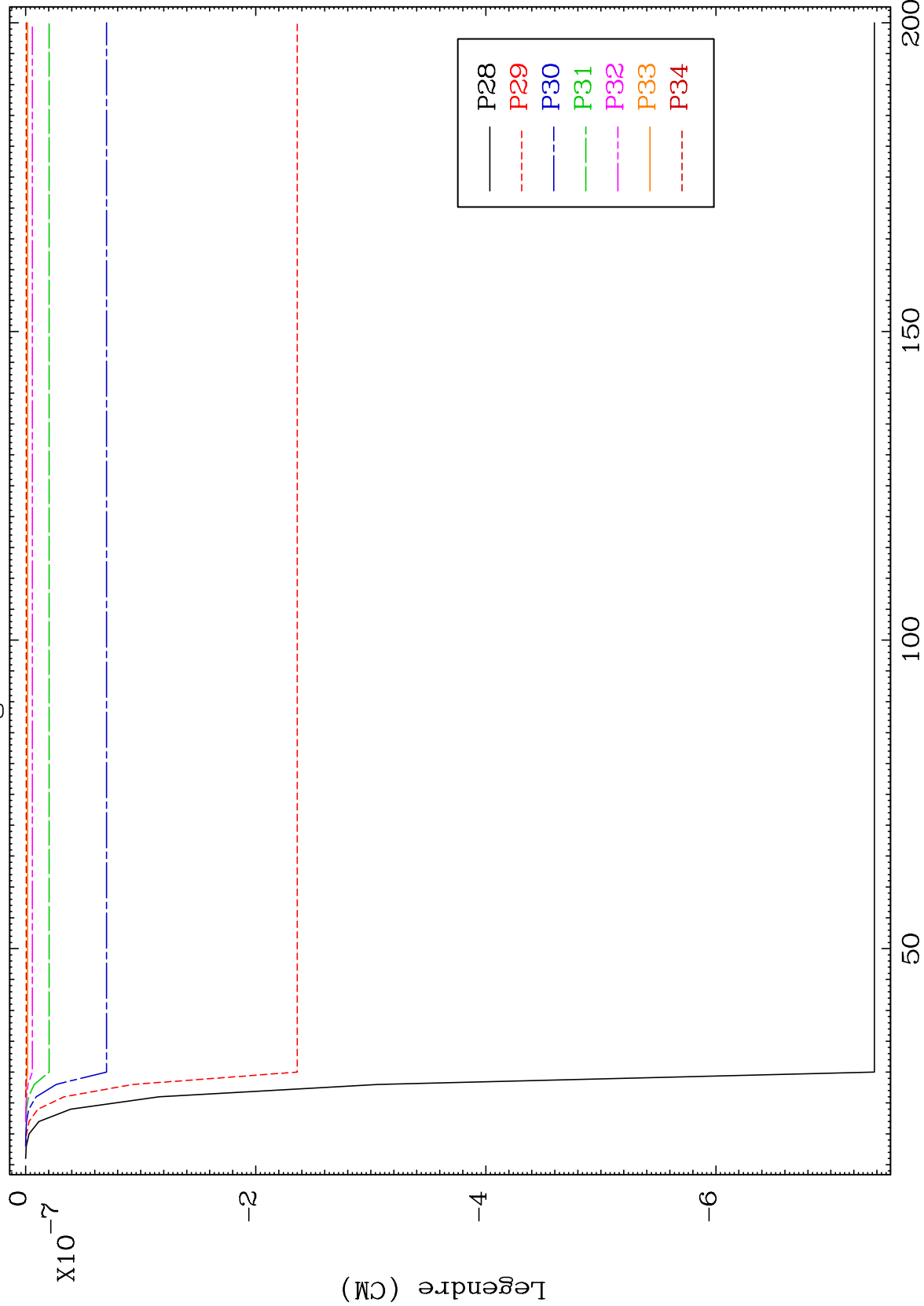


MAT 3816

MT= 55 (n,n') Level

38-Sr-81

Legendre Coefficients



38

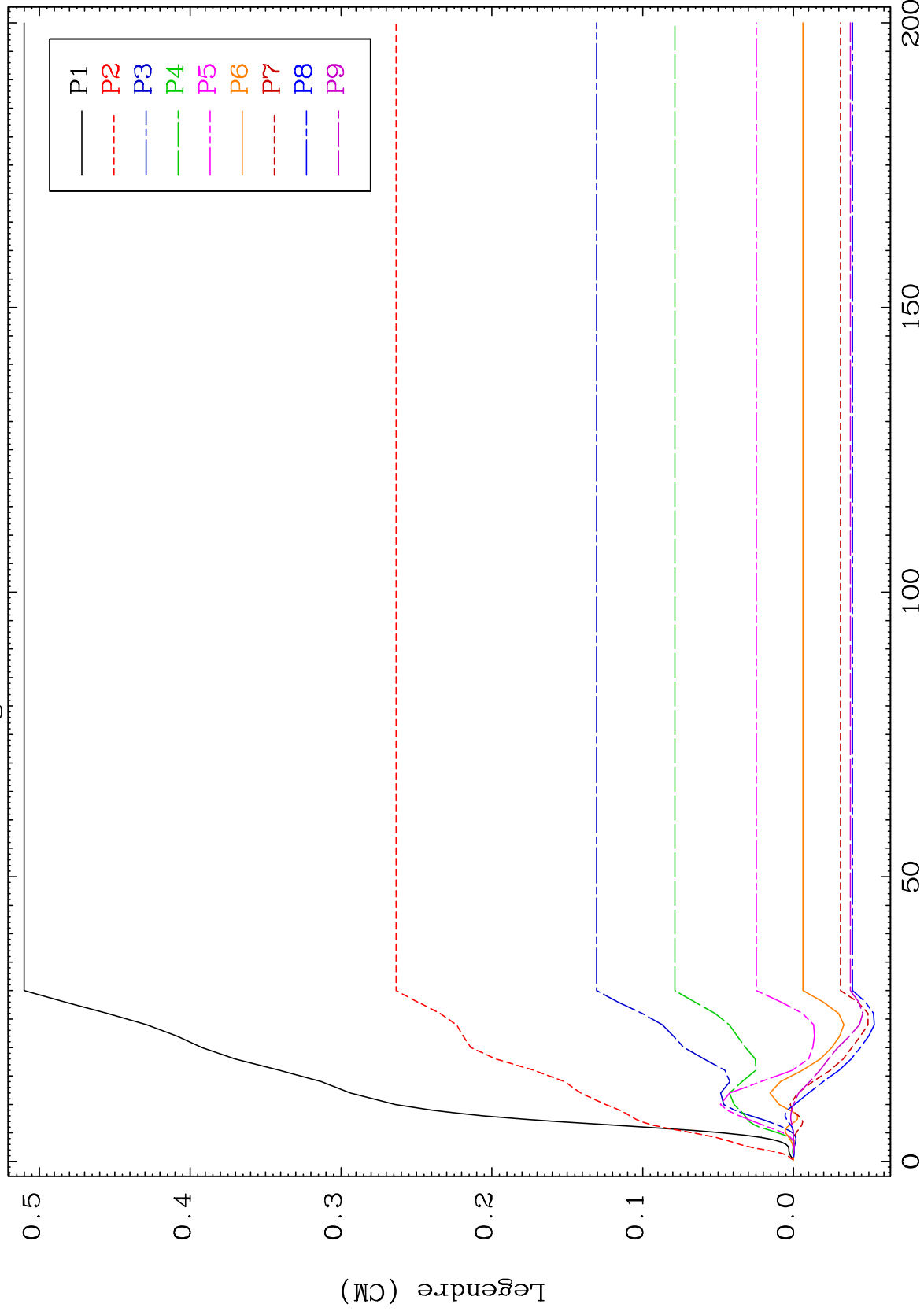
Incident Energy (MeV)

38-Sr-81

MAT 3816

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

38-Sr-81



39

Incident Energy (MeV)

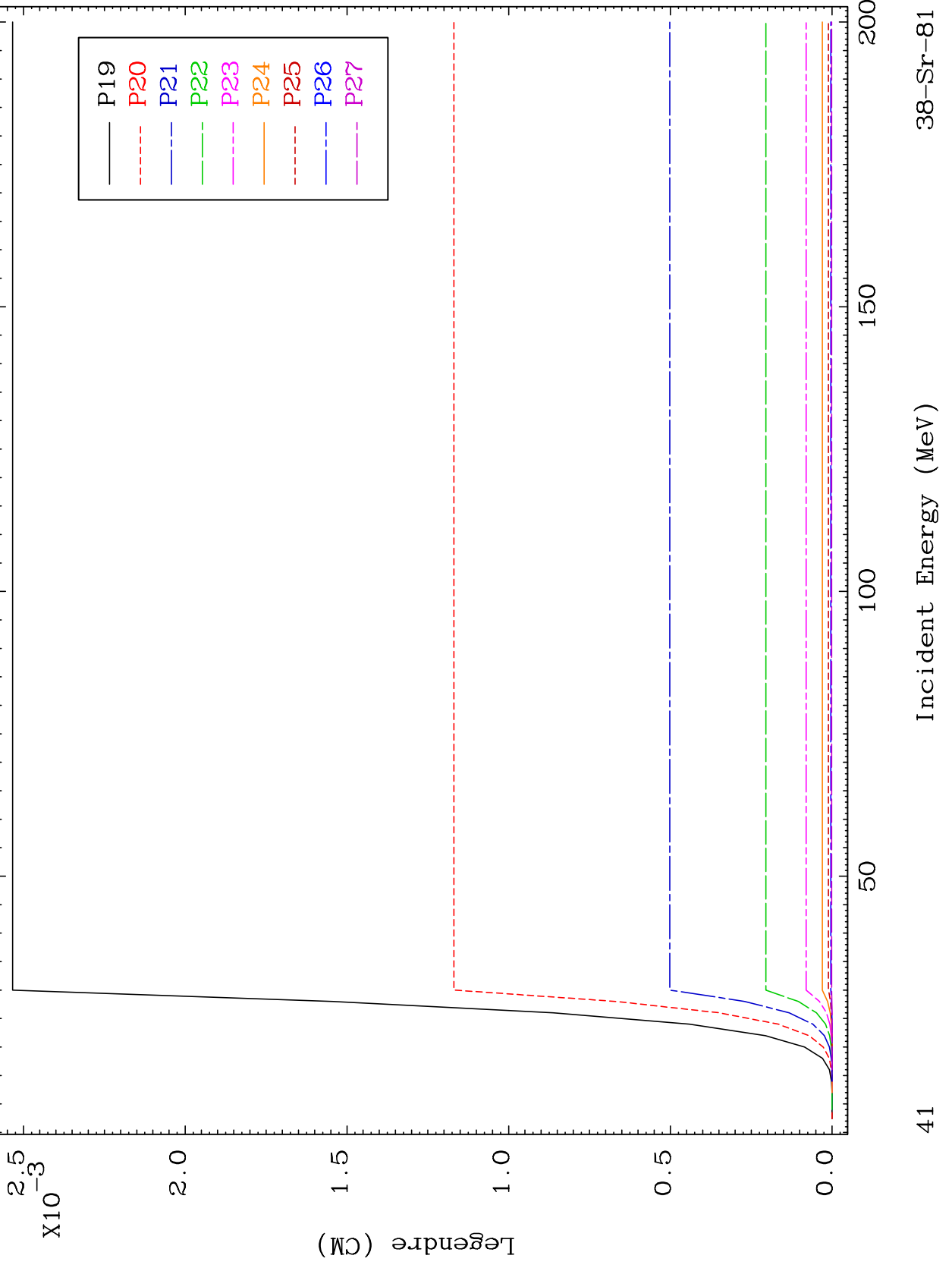
38-Sr-81



MAT 3816

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

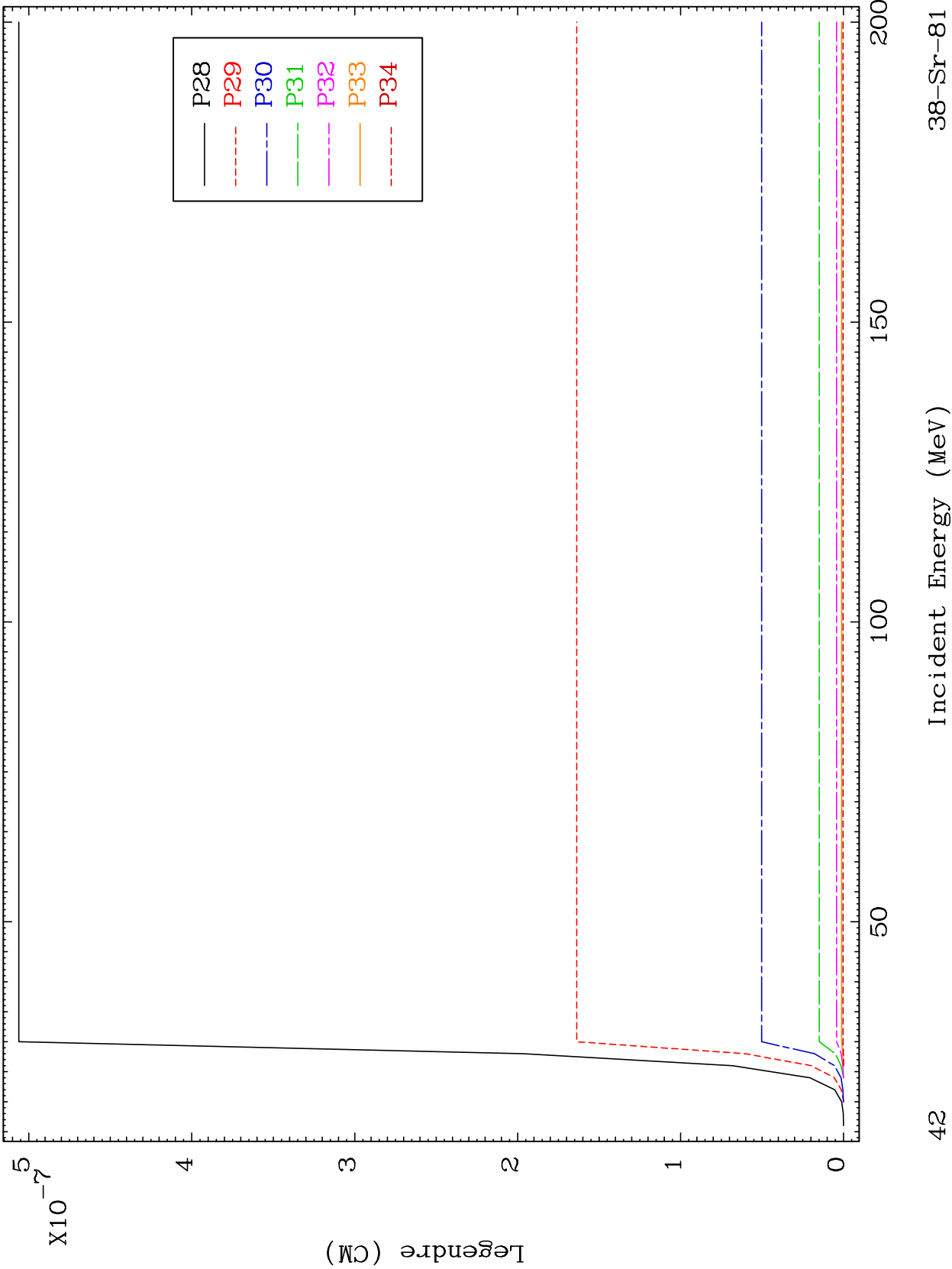
38-Sr-81



MAT 3816

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

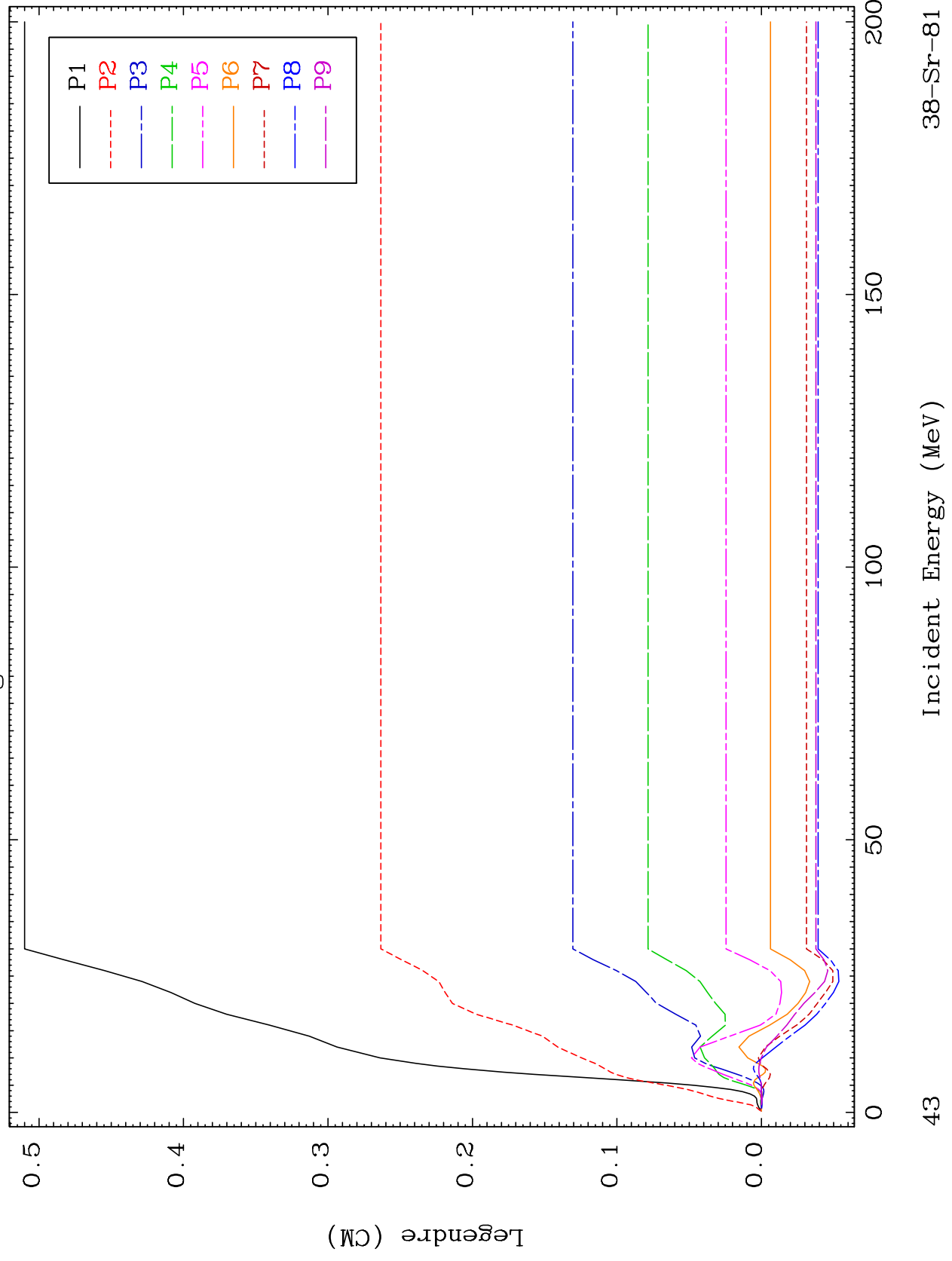
38-Sr-81



MAT 3816

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

38-Sr-81

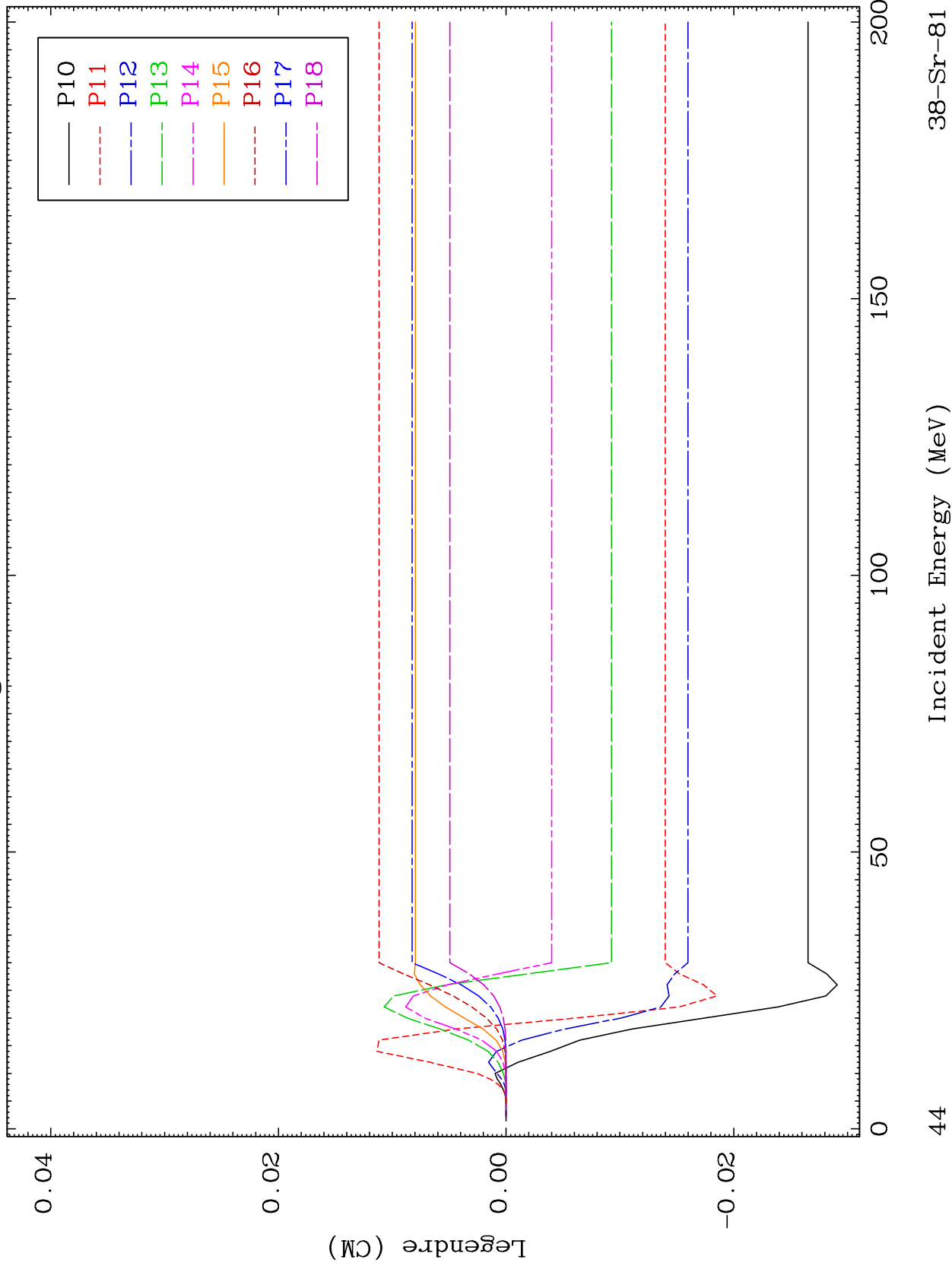


43

MAT 3816

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

38-Sr-81



44

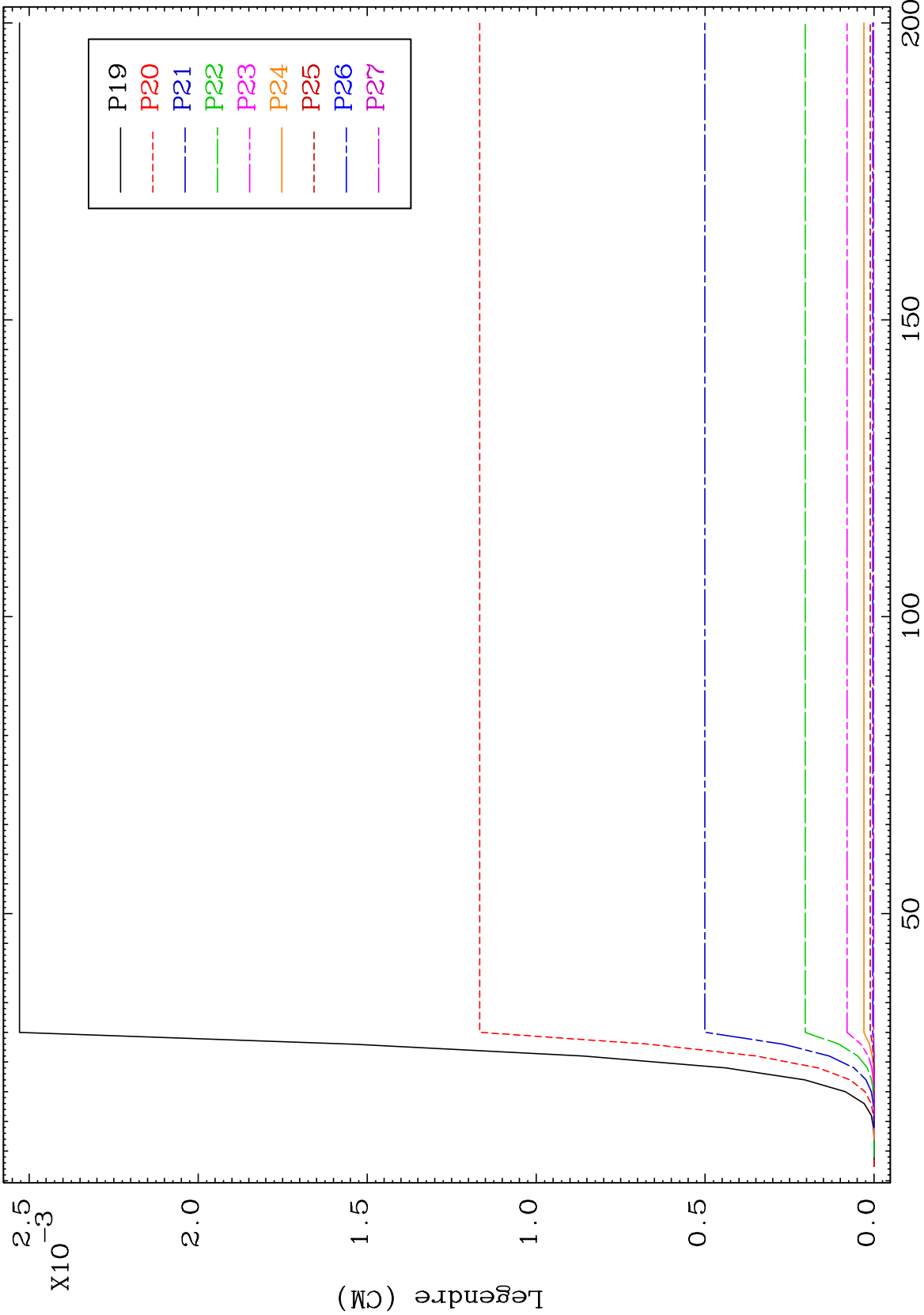
Incident Energy (MeV)

38-Sr-81

MAT 3816

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

38-Sr-81



45

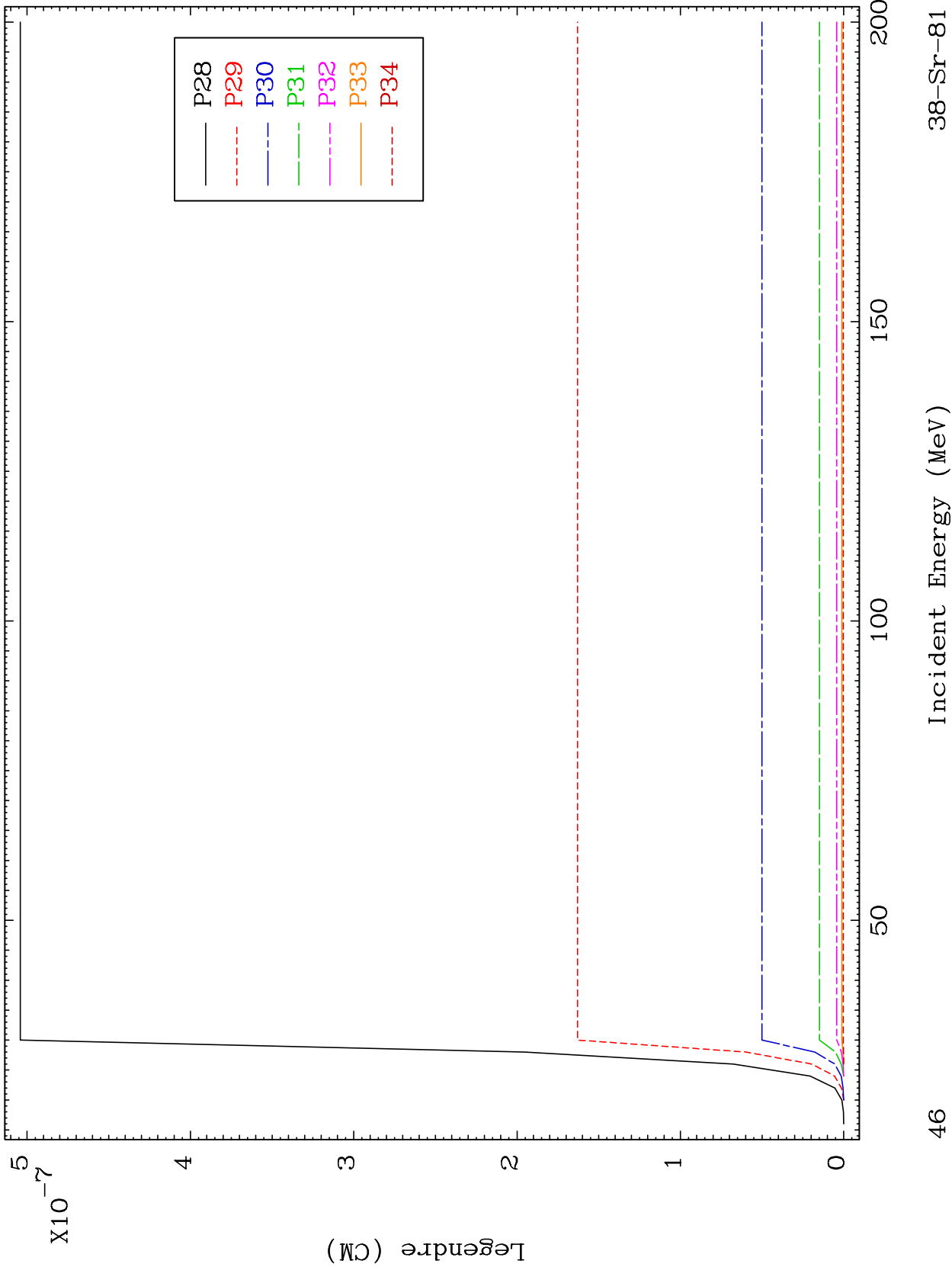
Incident Energy (MeV)

38-Sr-81

MAT 3816

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

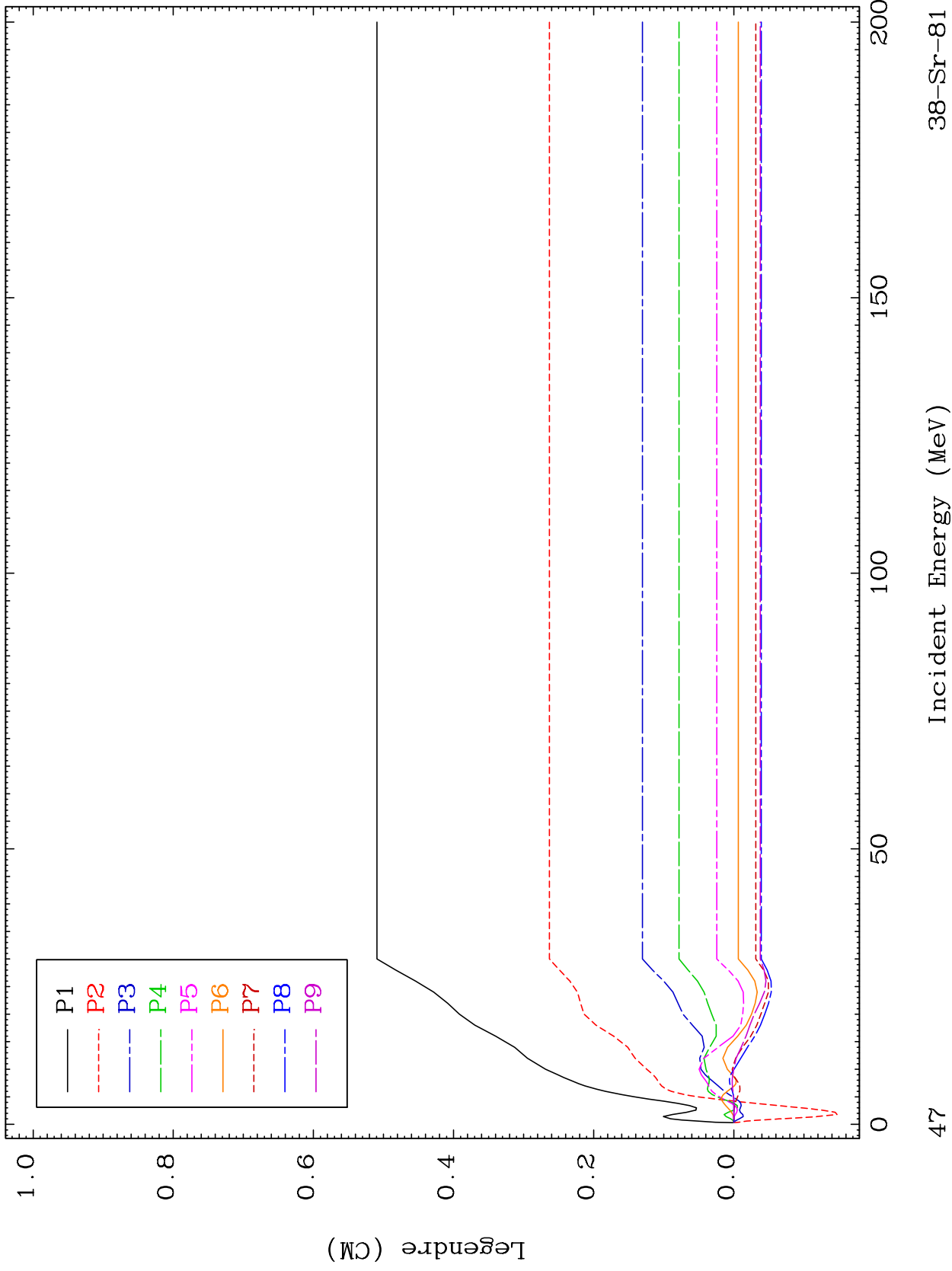
38-Sr-81



MAT 3816

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

38-Sr-81



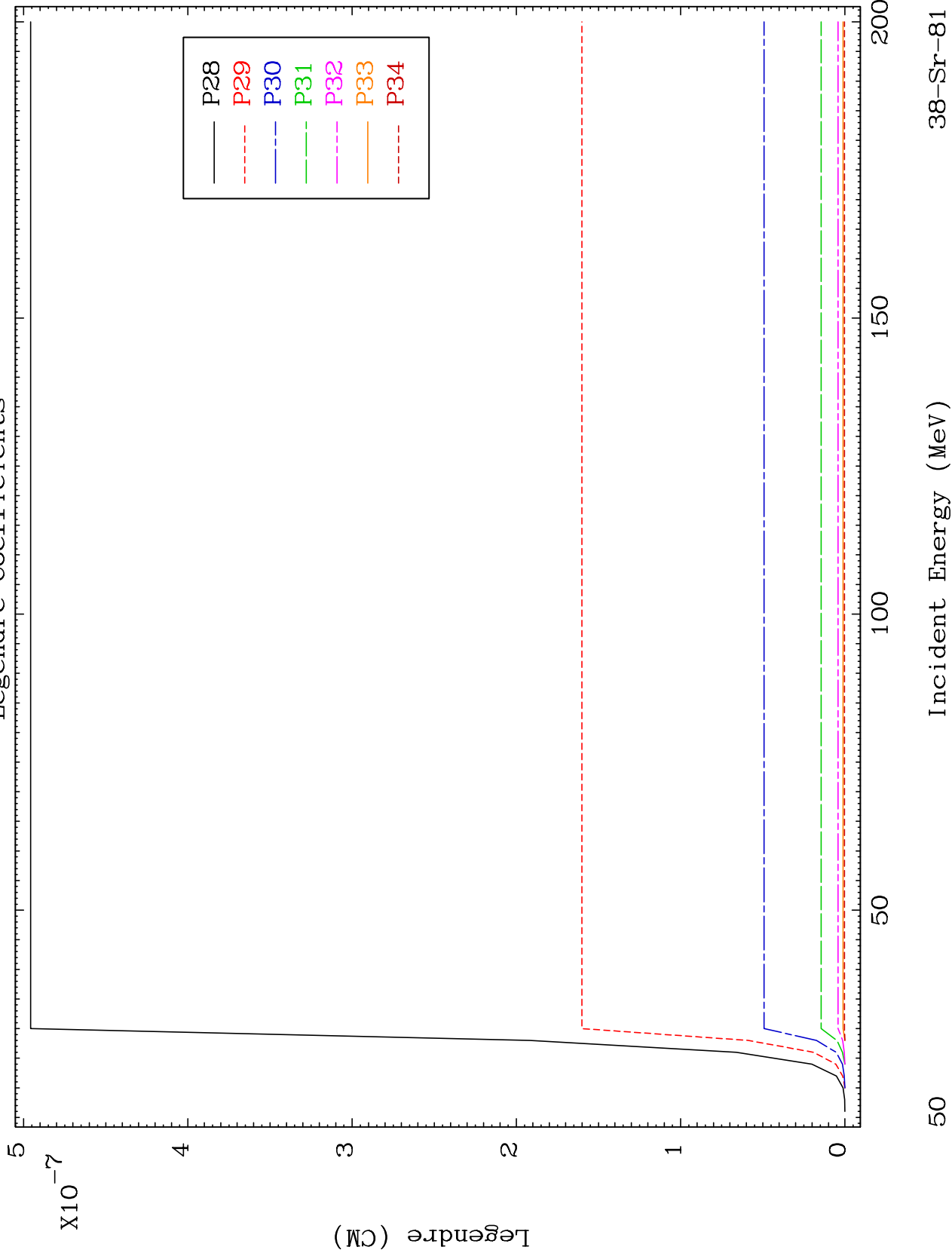




MAT 3816

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

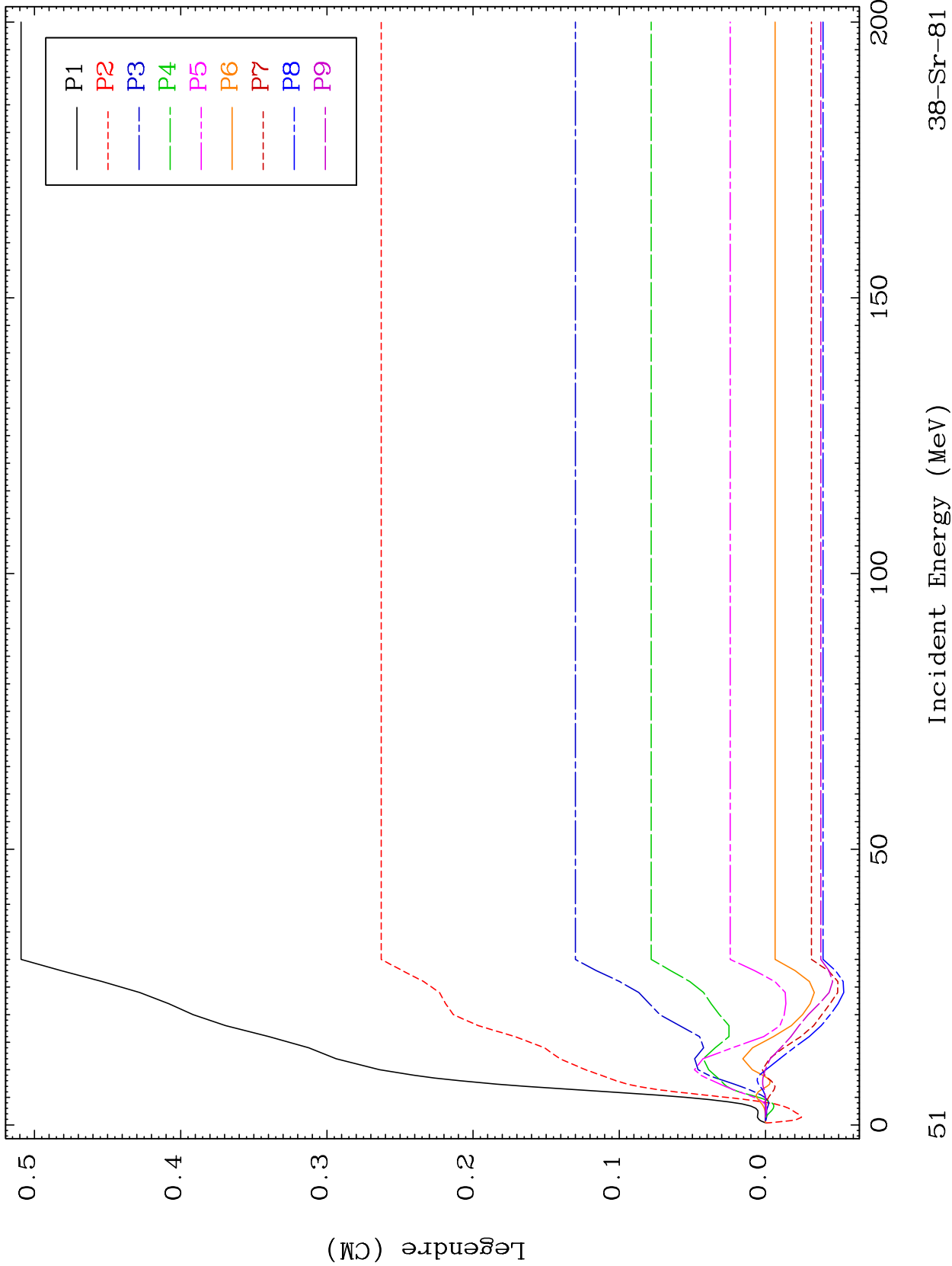
38-Sr-81



MAT 3816

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

38-Sr-81

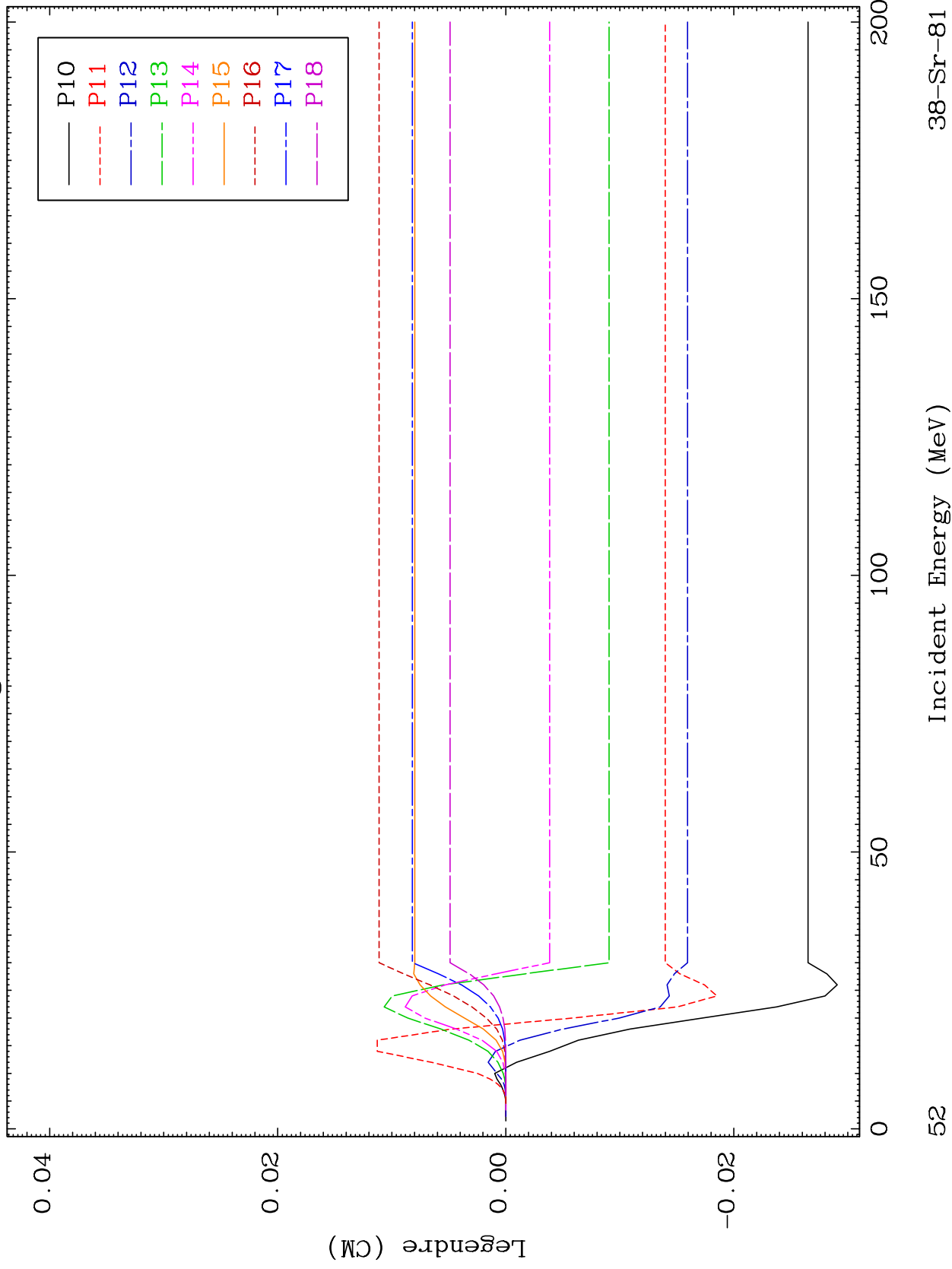


51

MAT 3816

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

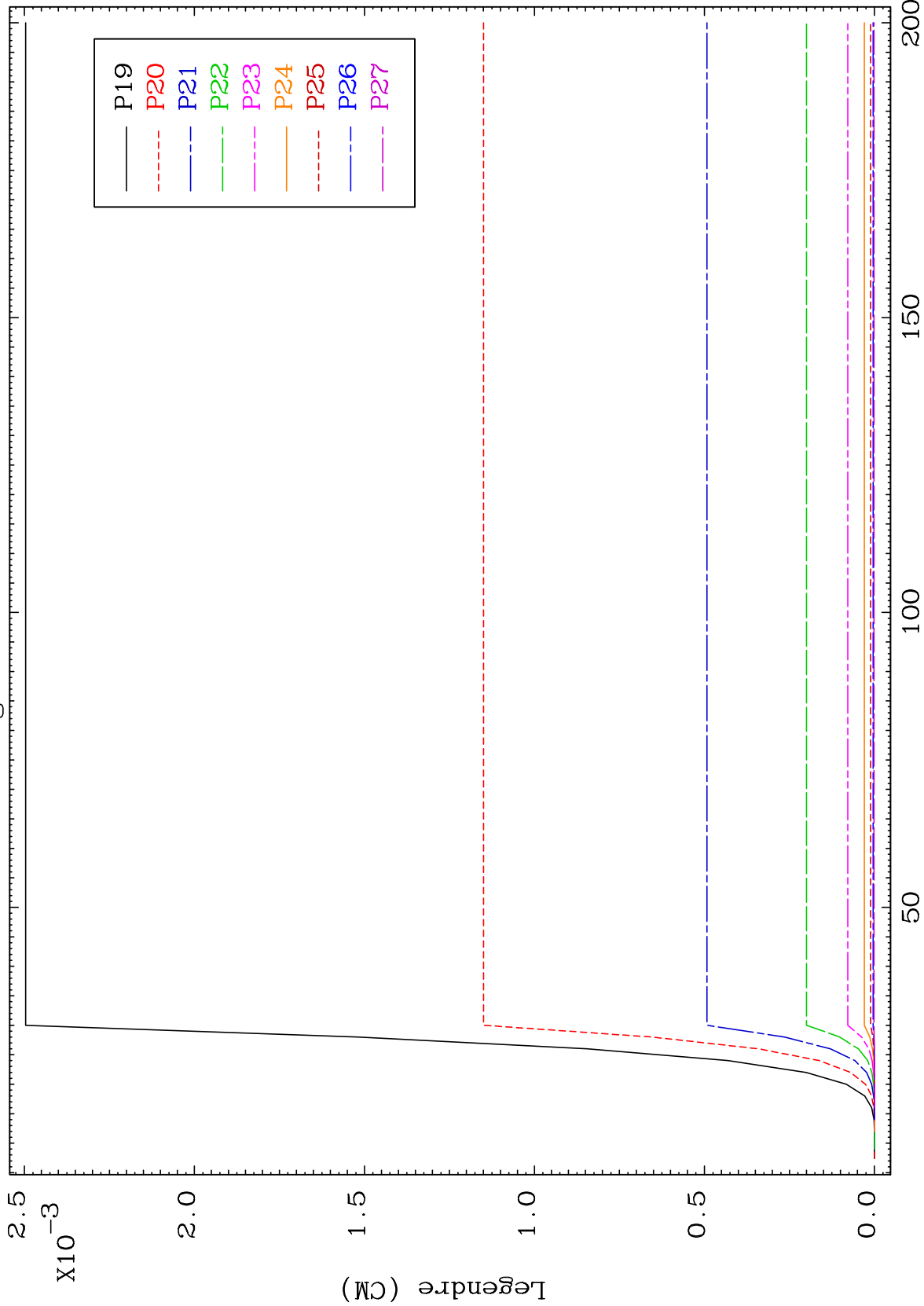
38-Sr-81



38-Sr-81

Incident Energy (MeV)

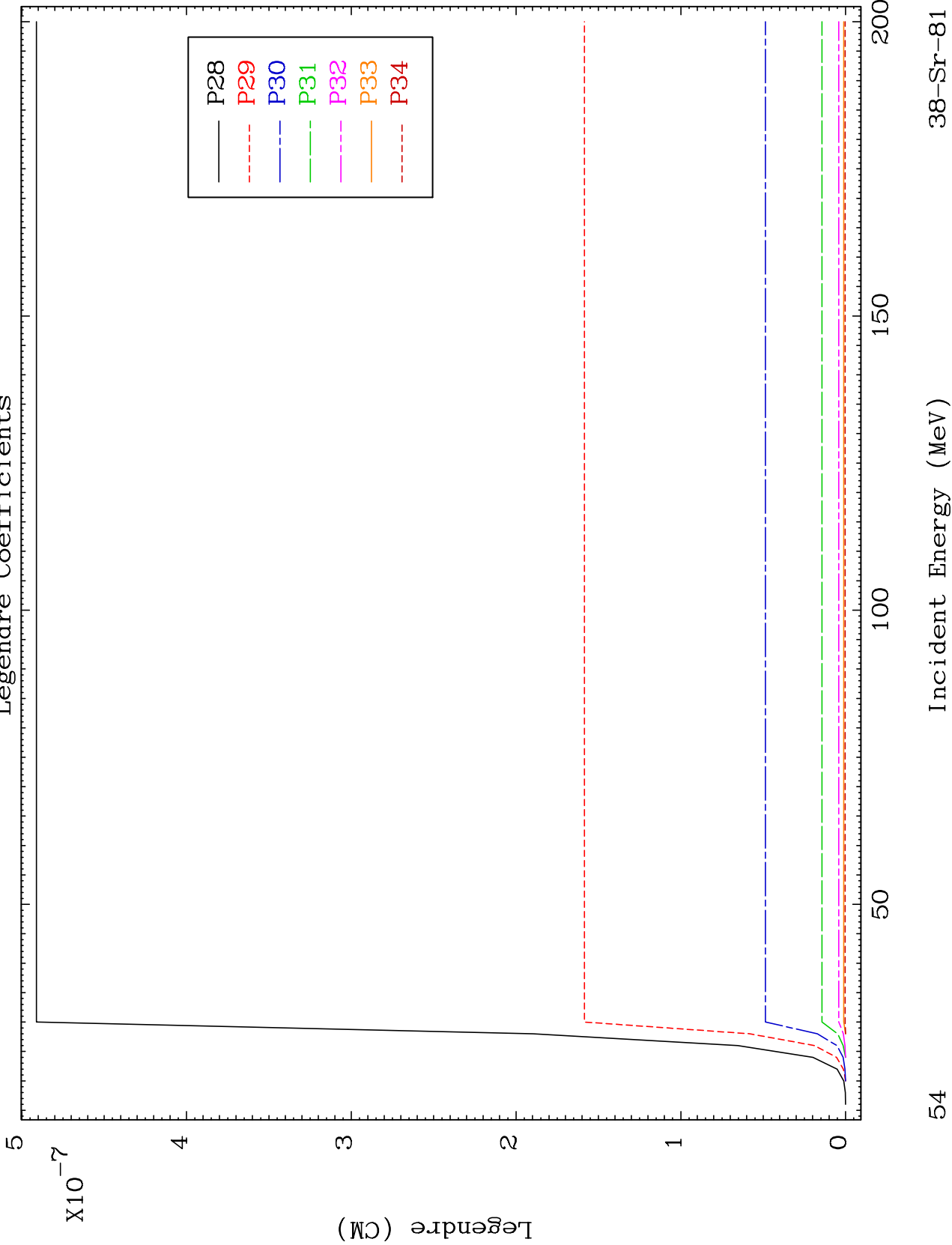
52



MAT 3816

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

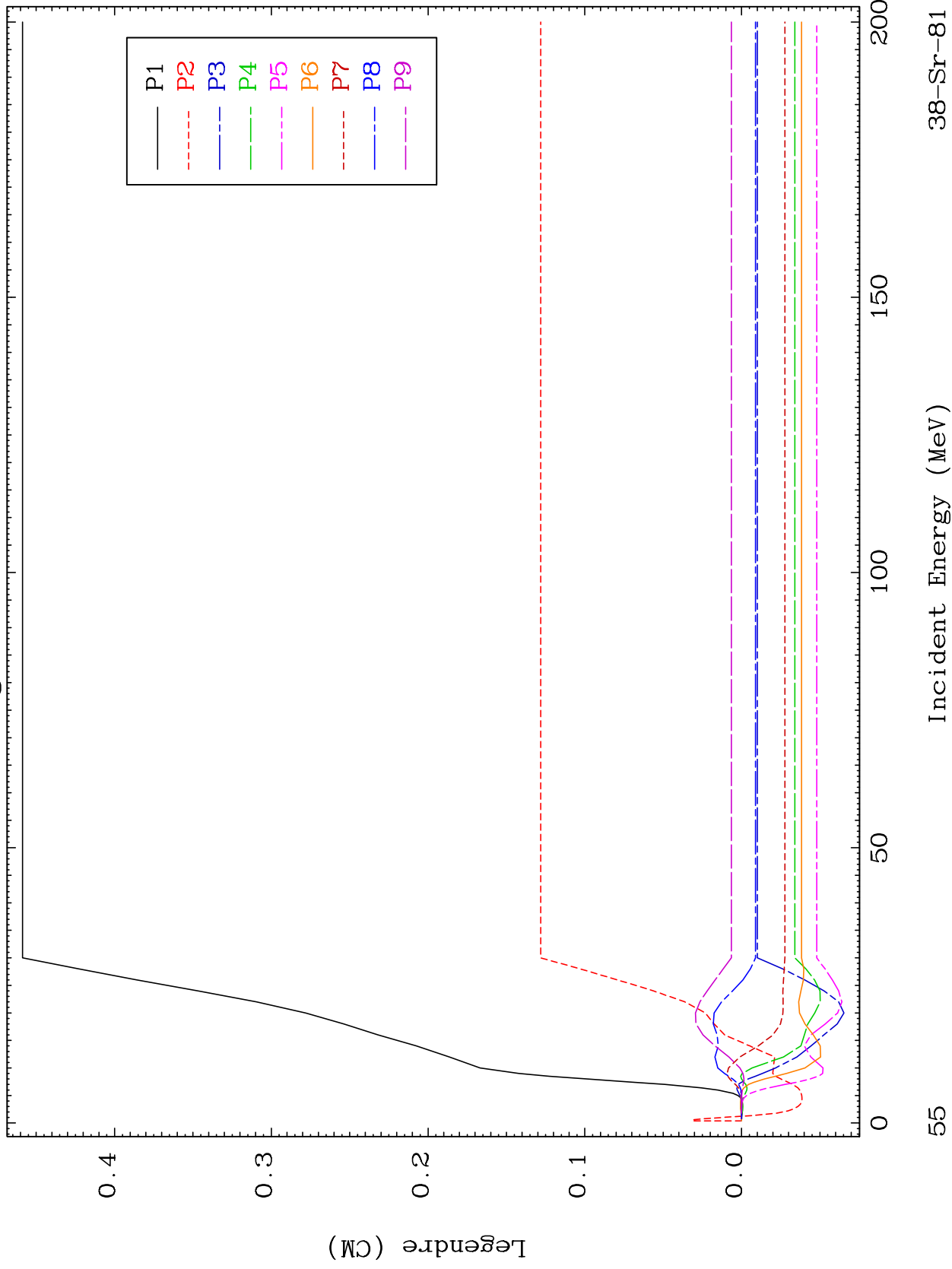
38-Sr-81



MAT 3816

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

38-Sr-81



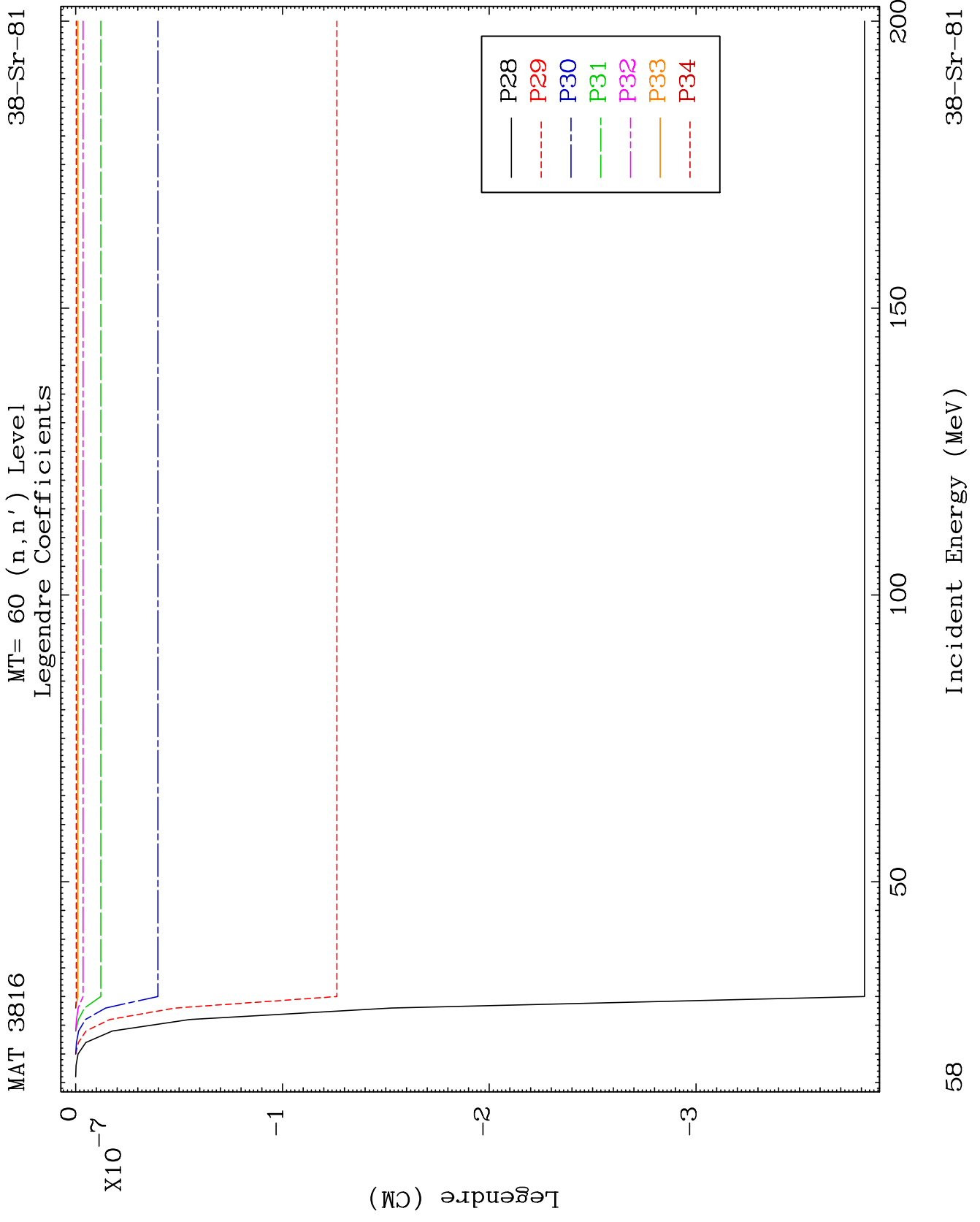
38-Sr-81

Incident Energy (MeV)

55



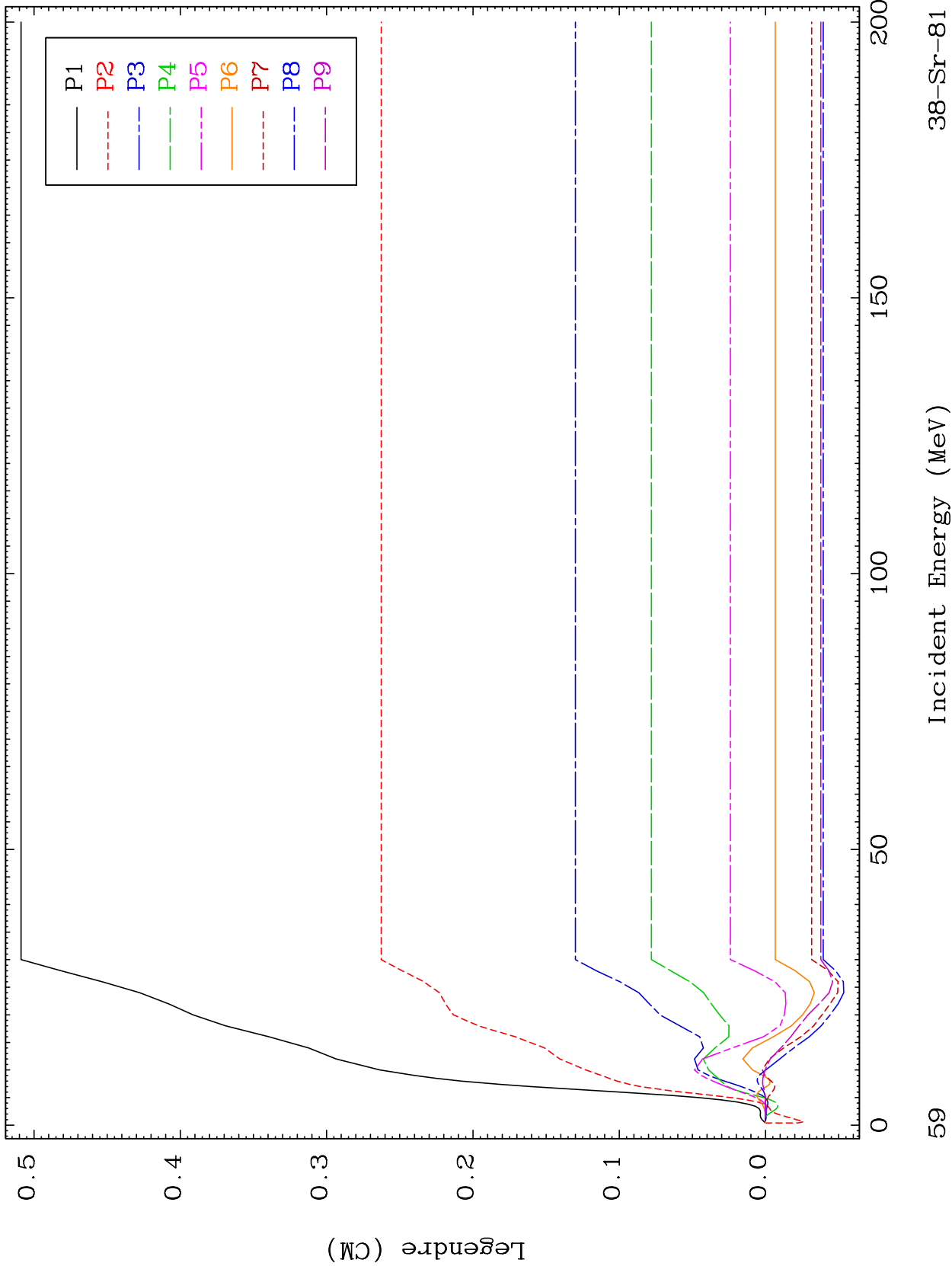




MAT 3816

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

38-Sr-81



59

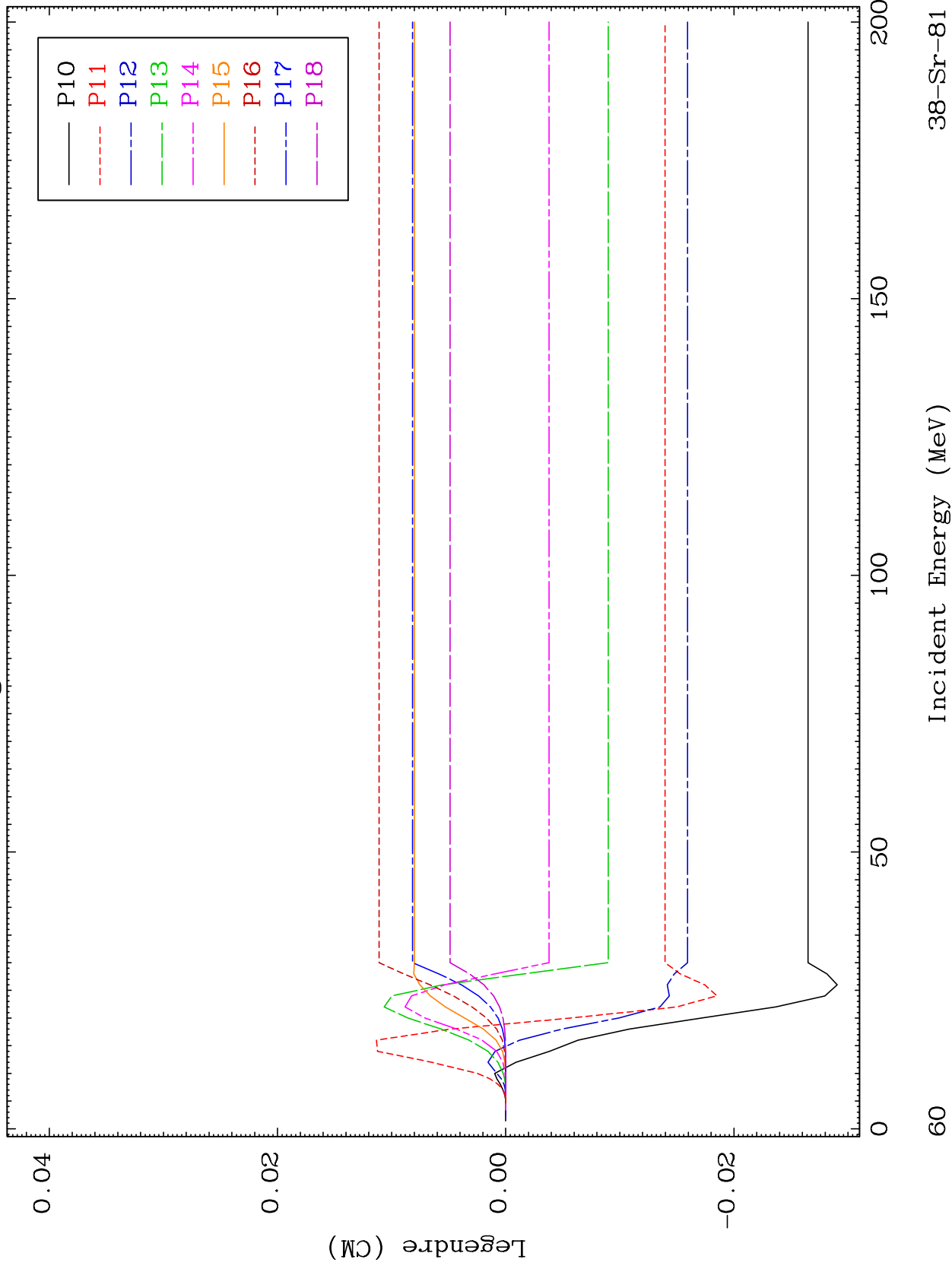
Incident Energy (MeV)

38-Sr-81

MAT 3816

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

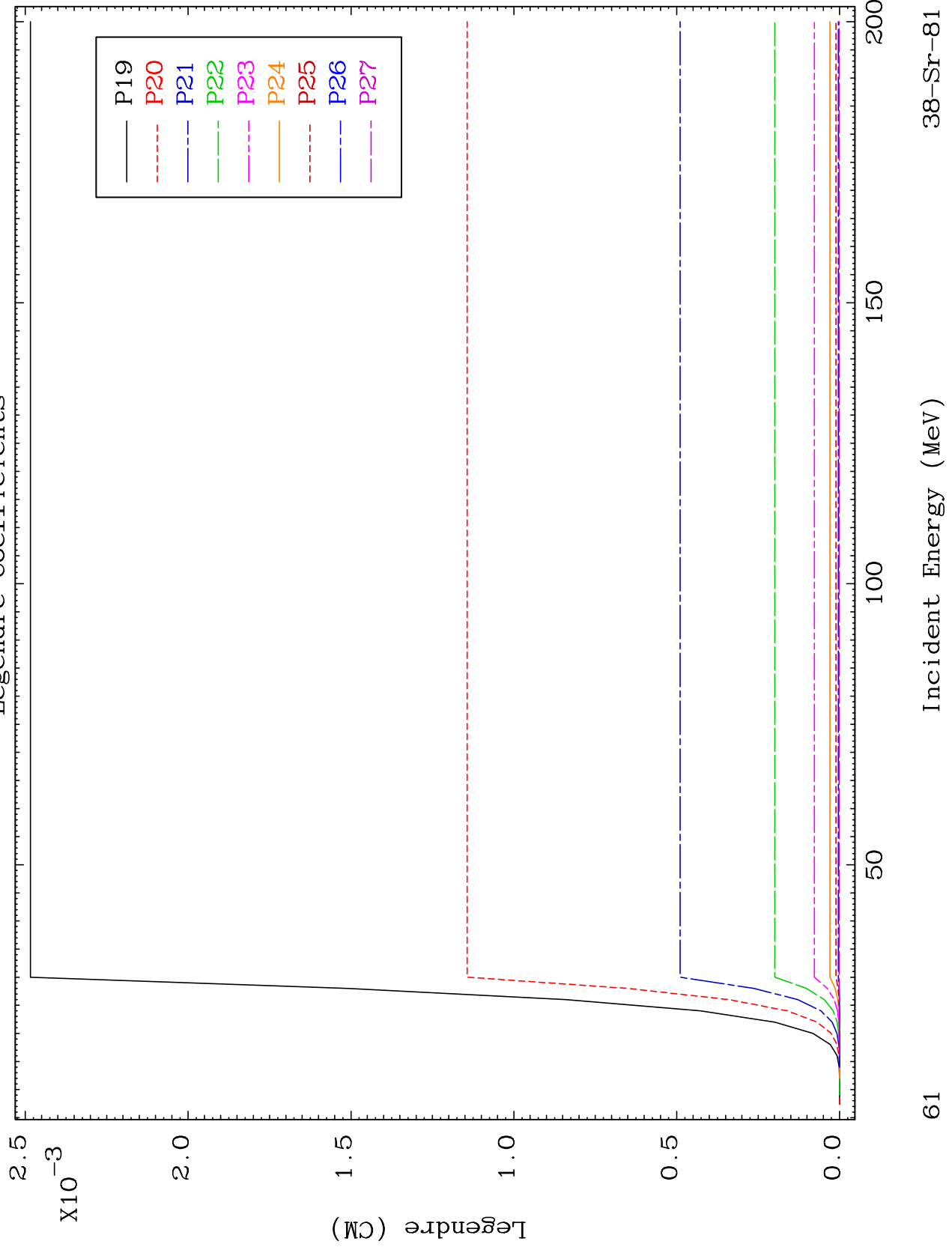
38-Sr-81



MAT 3816

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

38-Sr-81



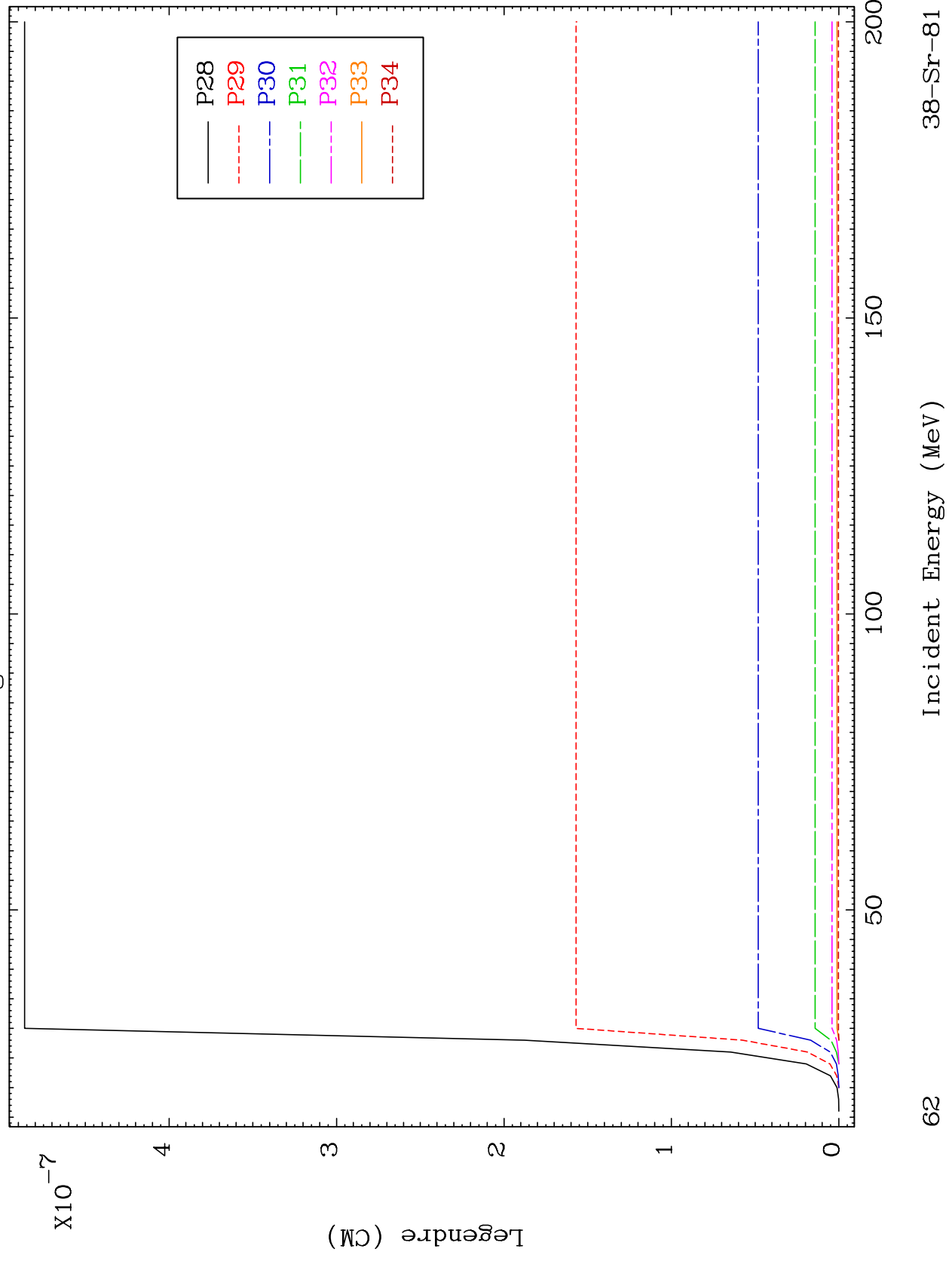
61

38-Sr-81

MAT 3816

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

38-Sr-81



62

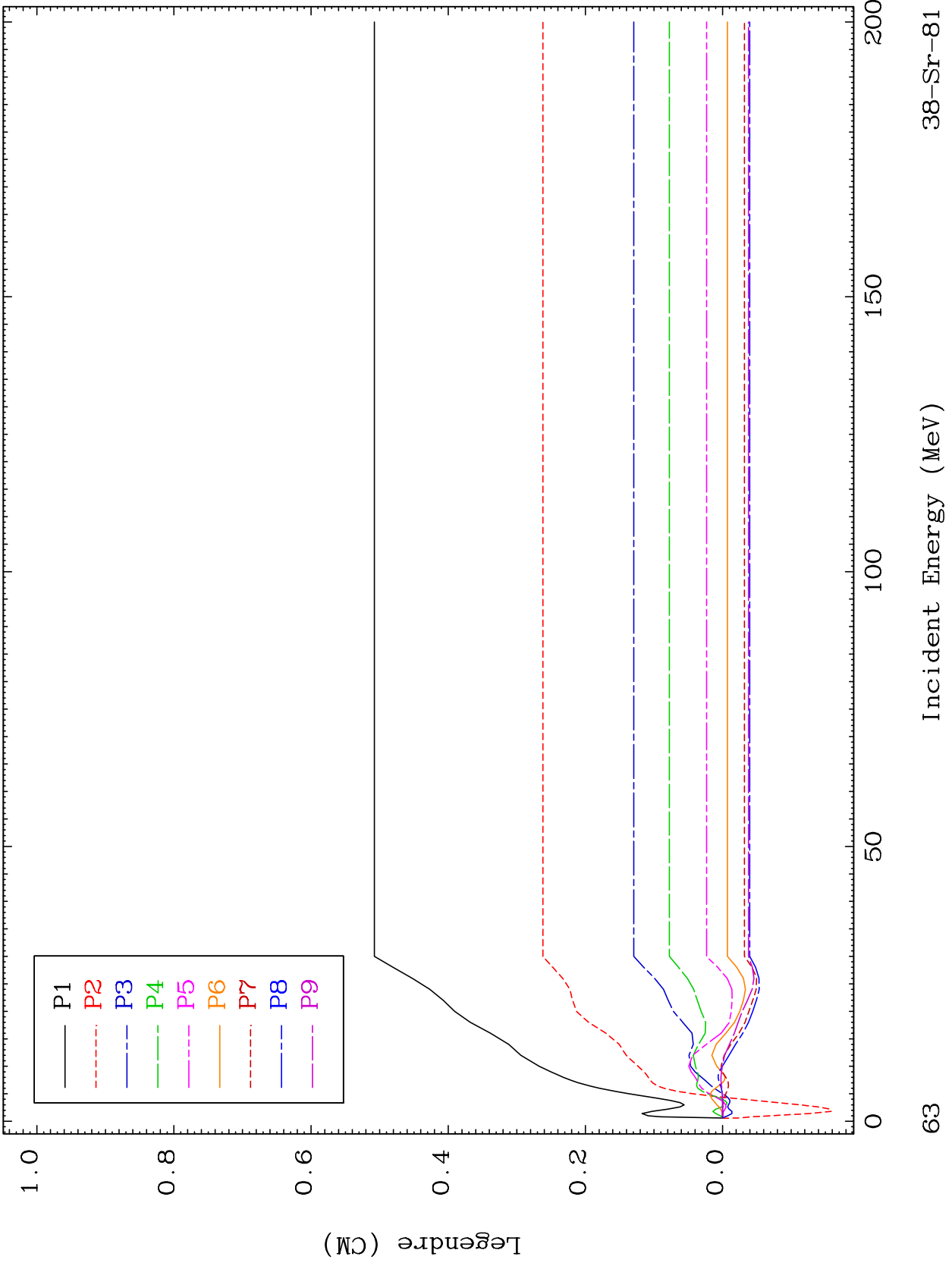
Incident Energy (MeV)

38-Sr-81

MAT 3816

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

38-Sr-81



63

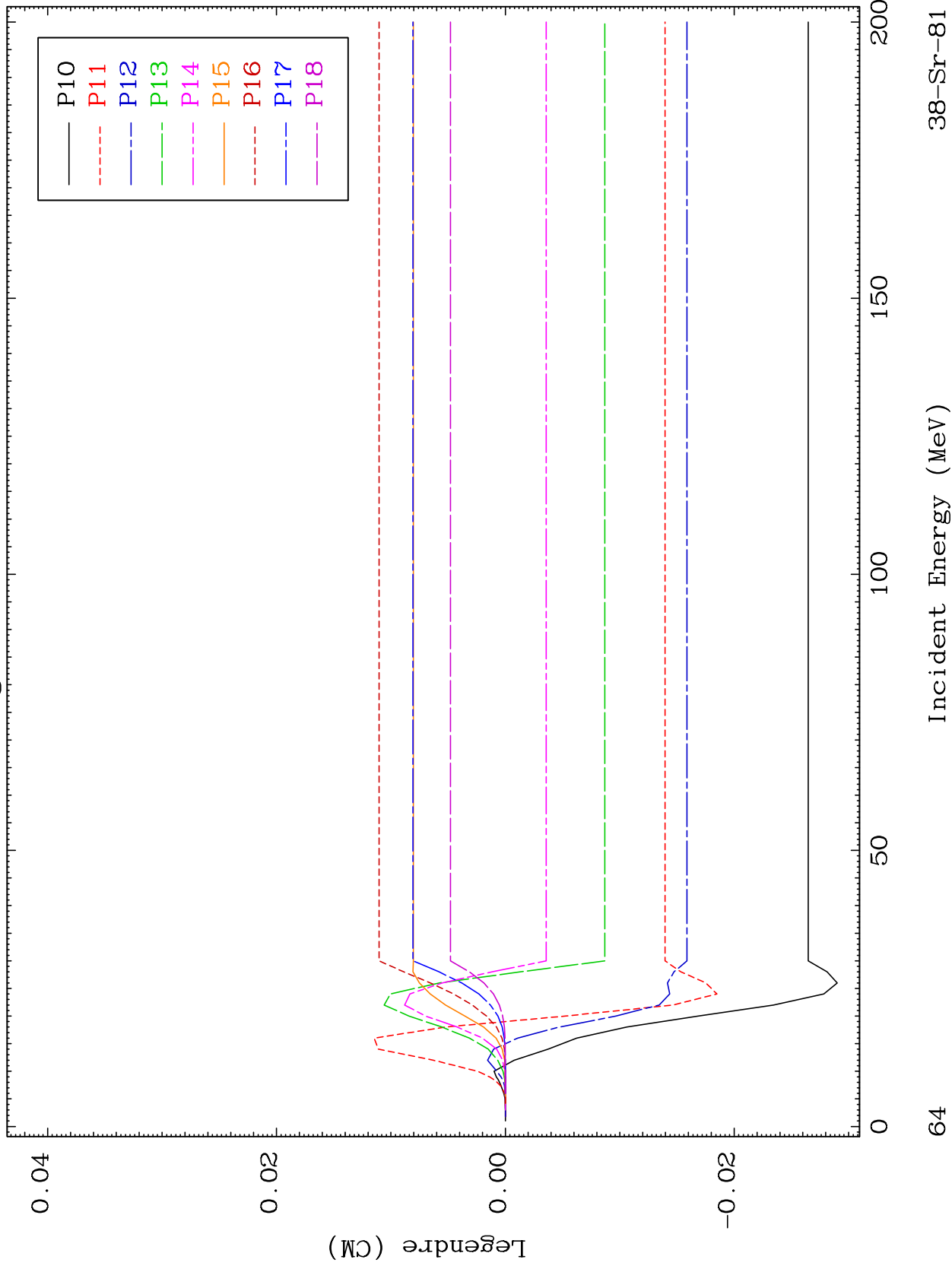
Incident Energy (MeV)

38-Sr-81

MAT 3816

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

38-Sr-81



38-Sr-81

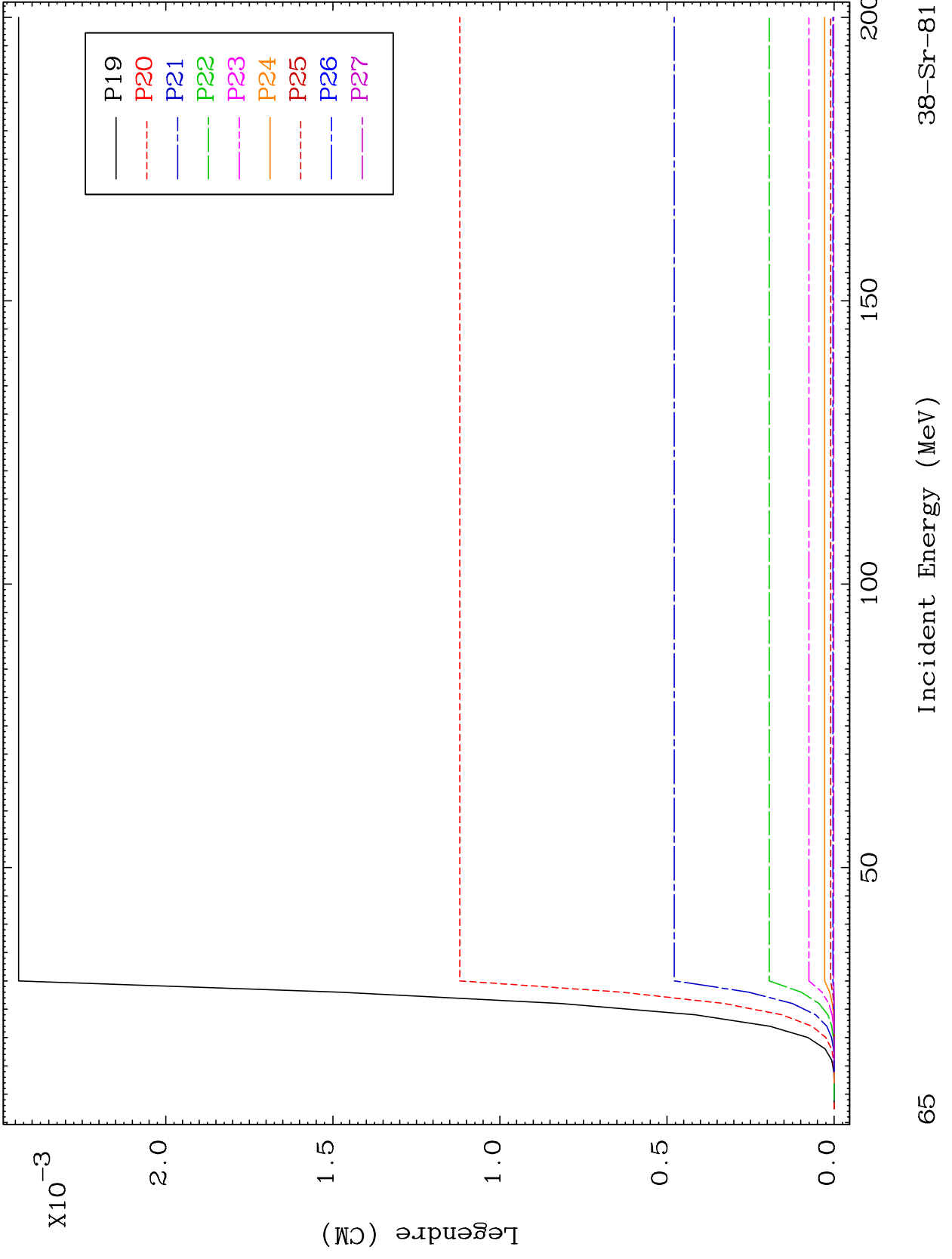
Incident Energy (MeV)

64

MAT 3816

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

38-Sr-81

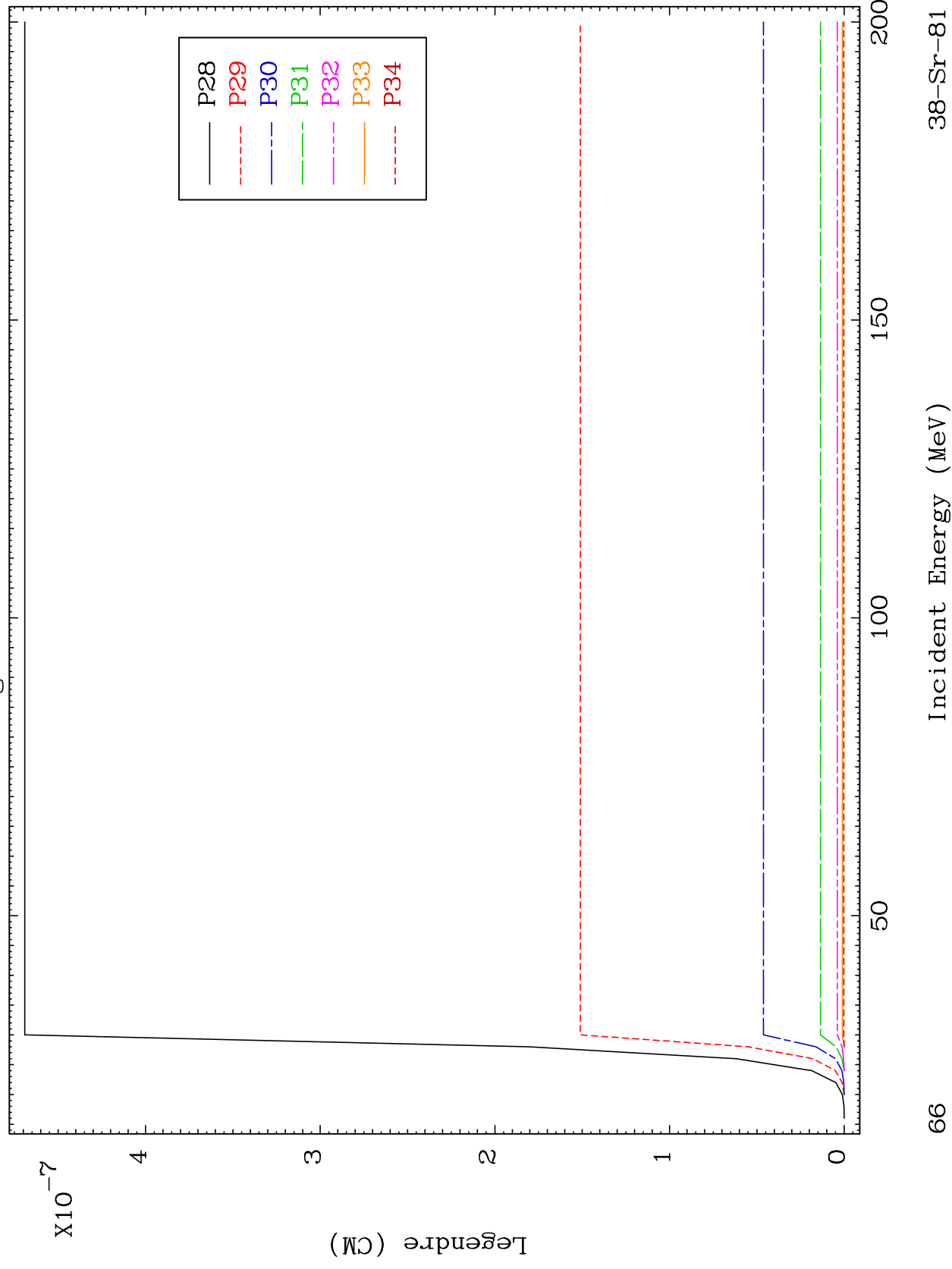


65

MAT 3816

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

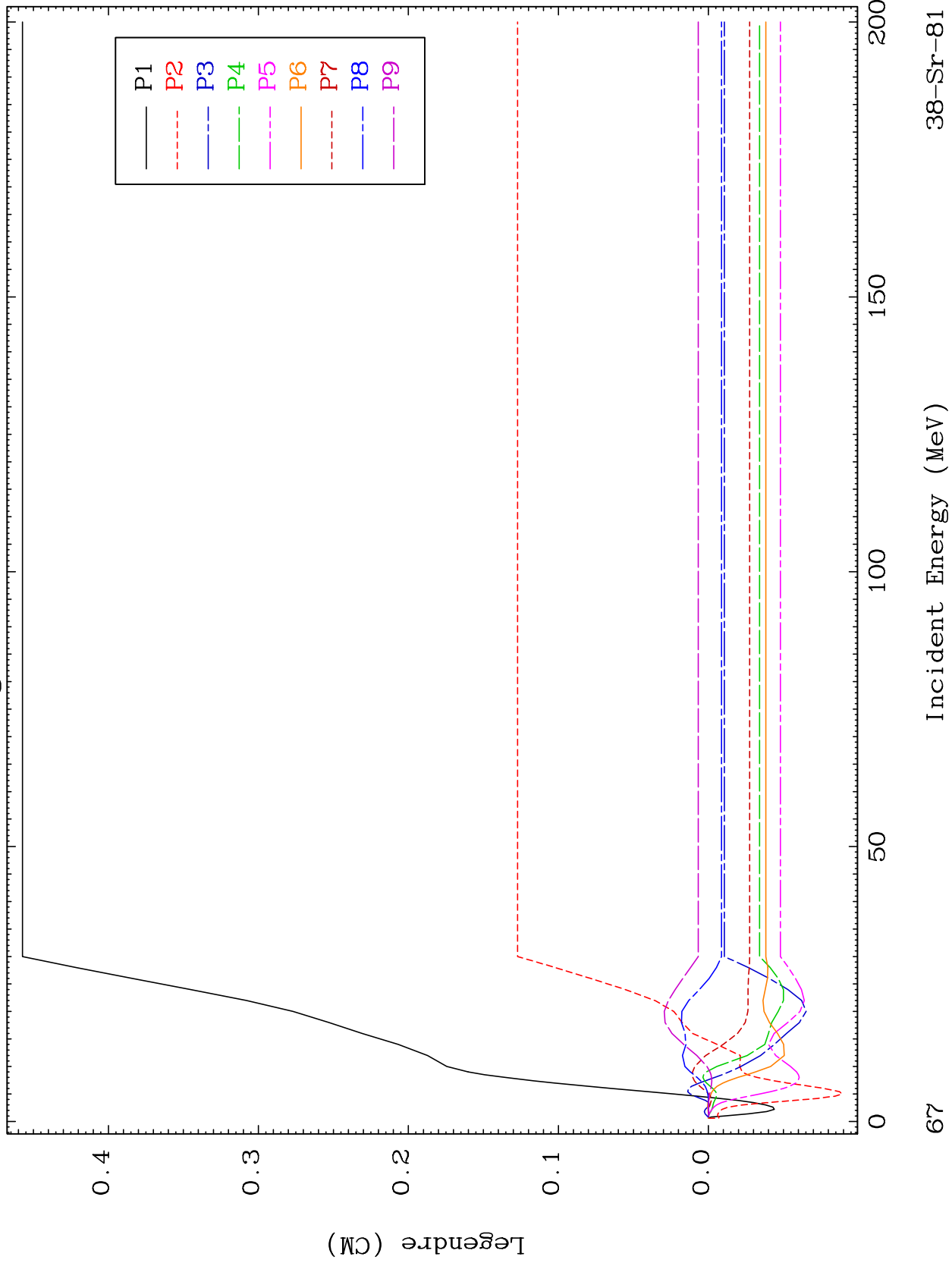
38-Sr-81



MAT 3816

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

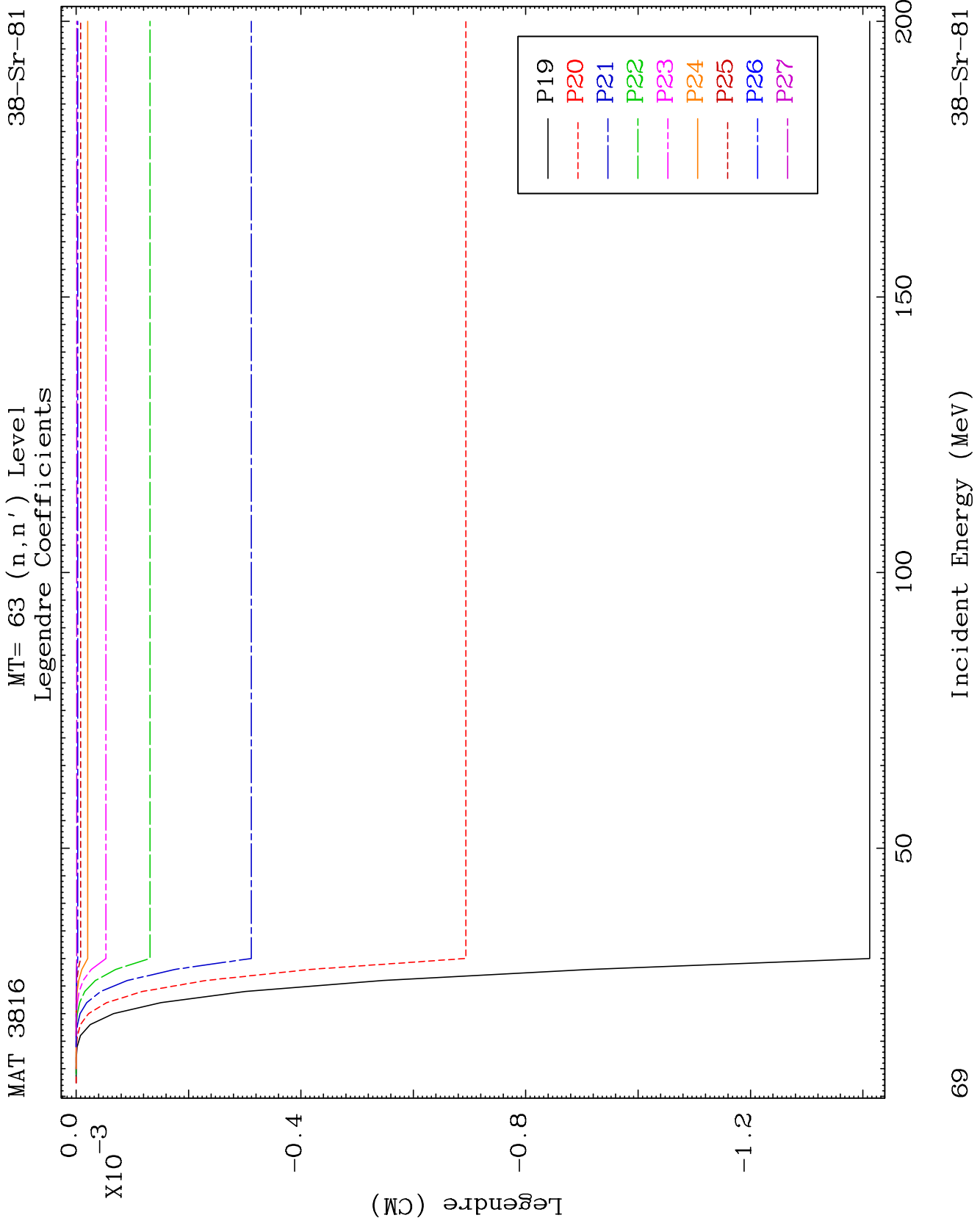
38-Sr-81

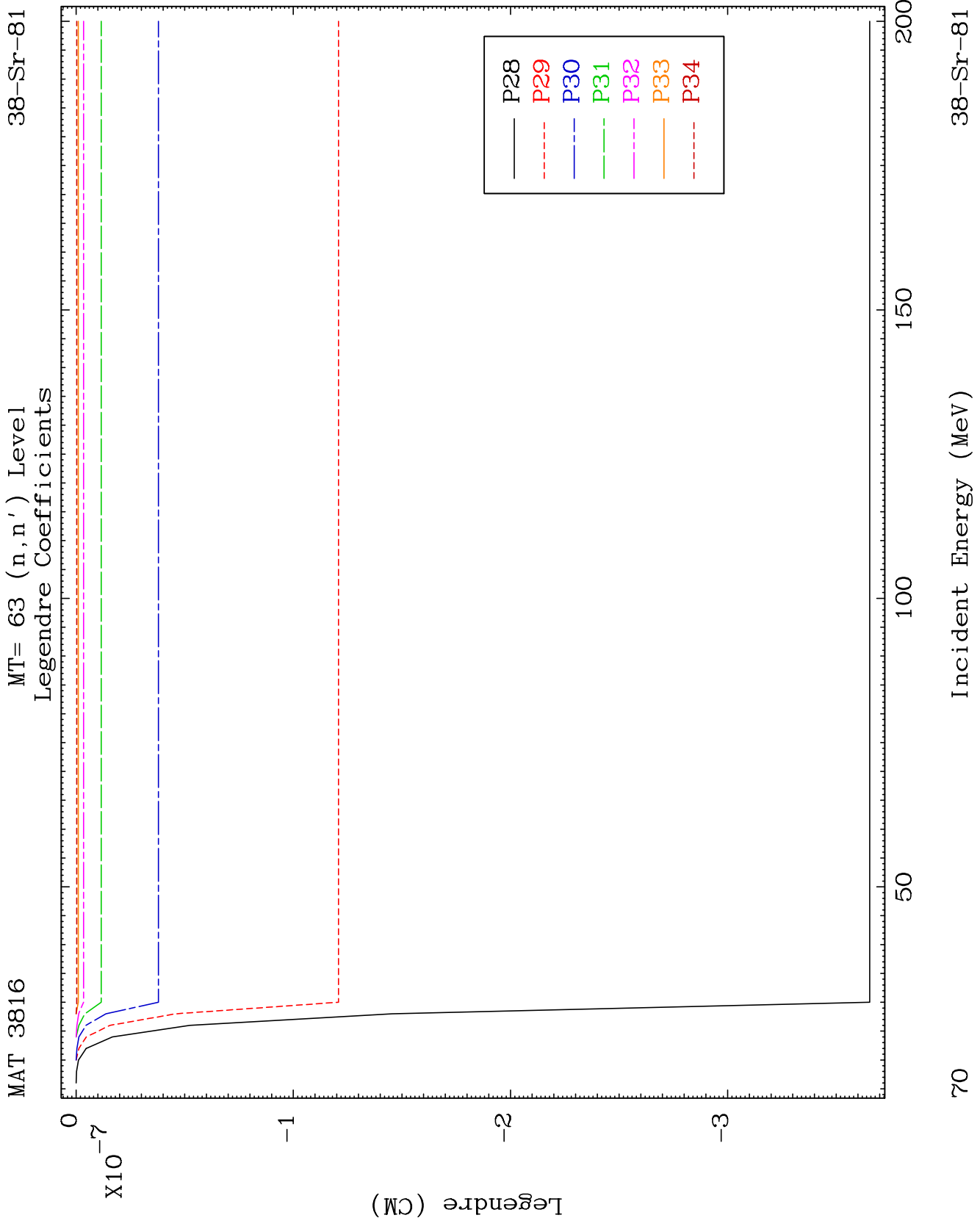


67

38-Sr-81



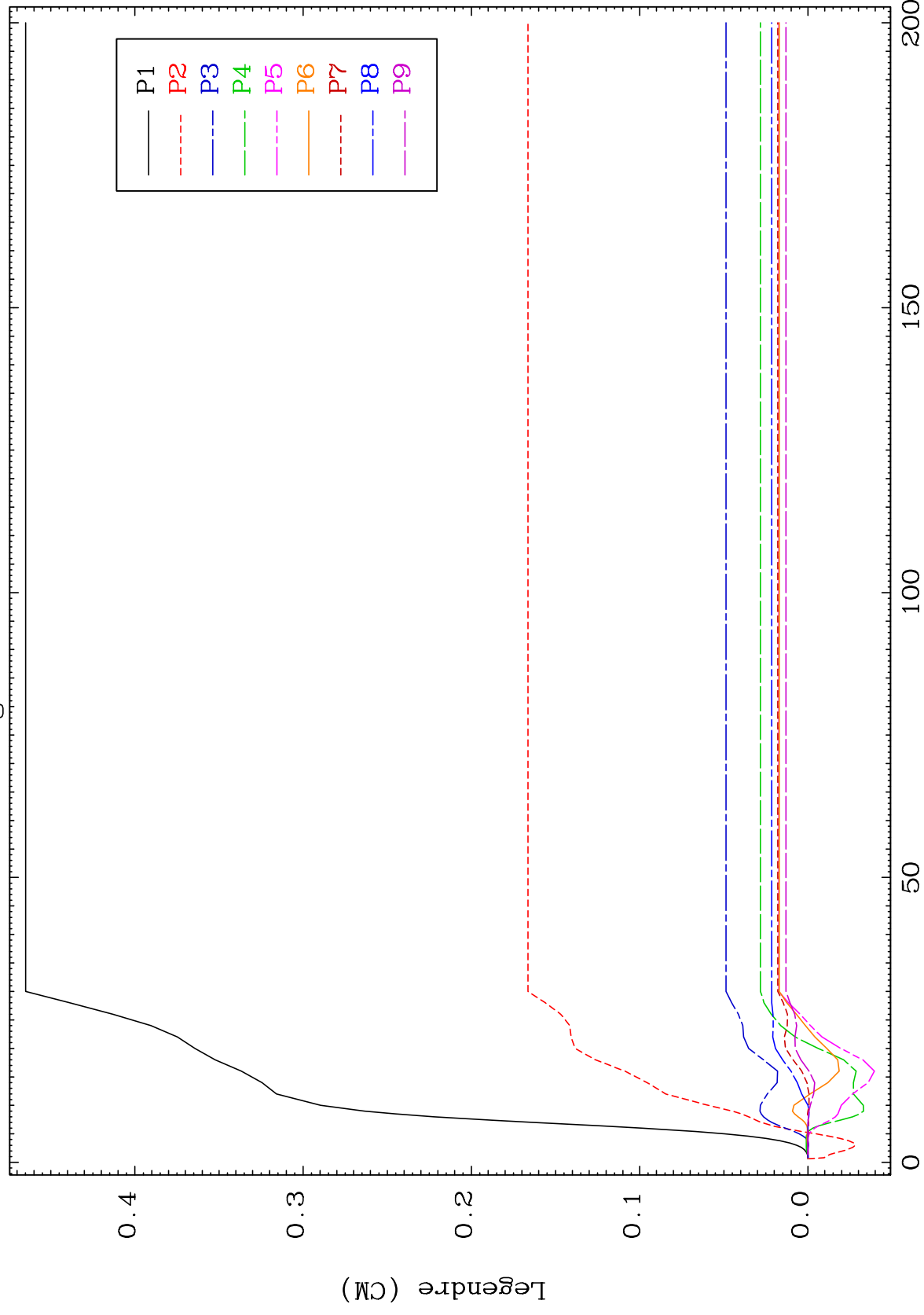




MAT 3816

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

38-Sr-81



71

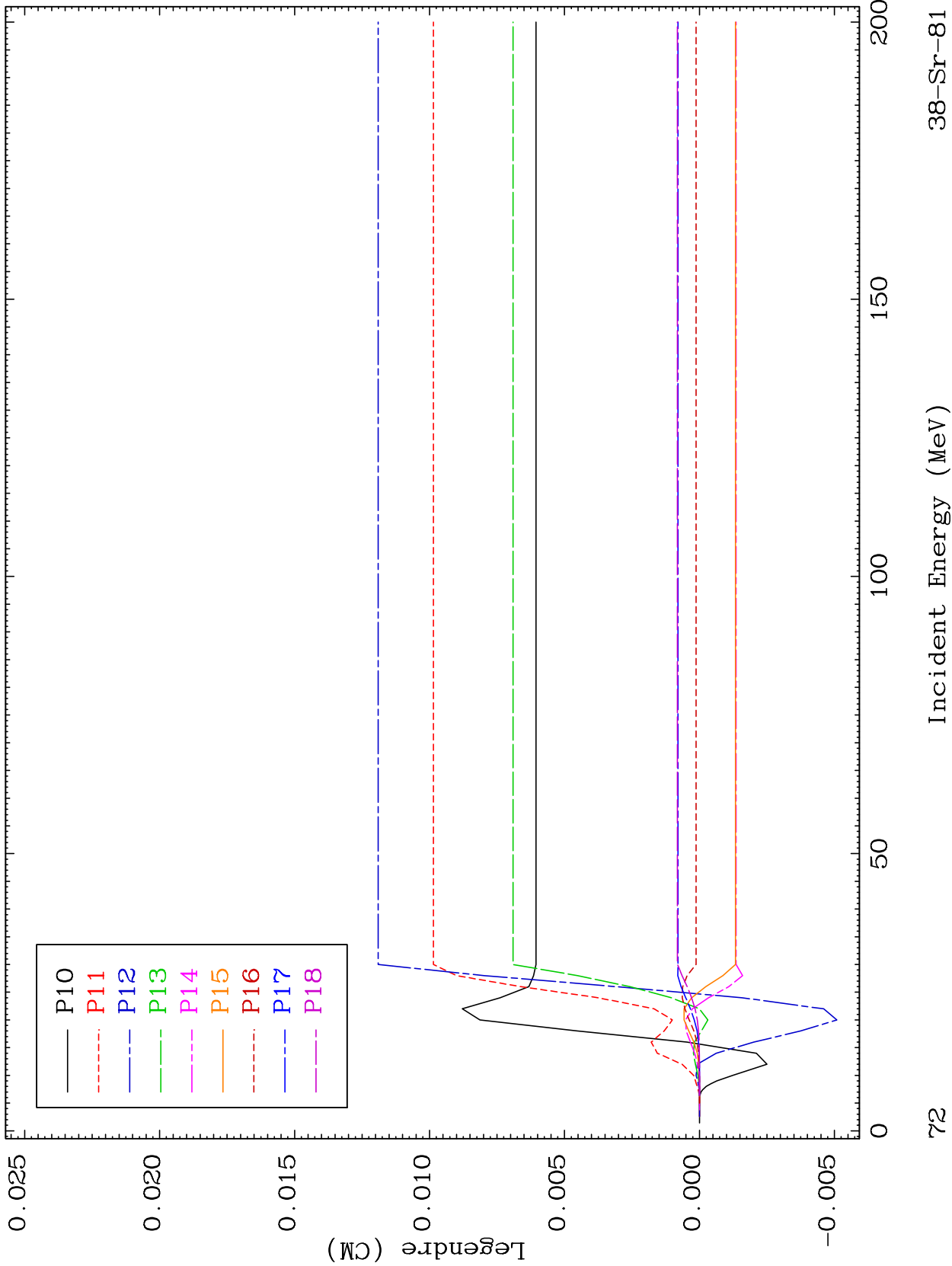
Incident Energy (MeV)

38-Sr-81

MAT 3816

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

38-Sr-81

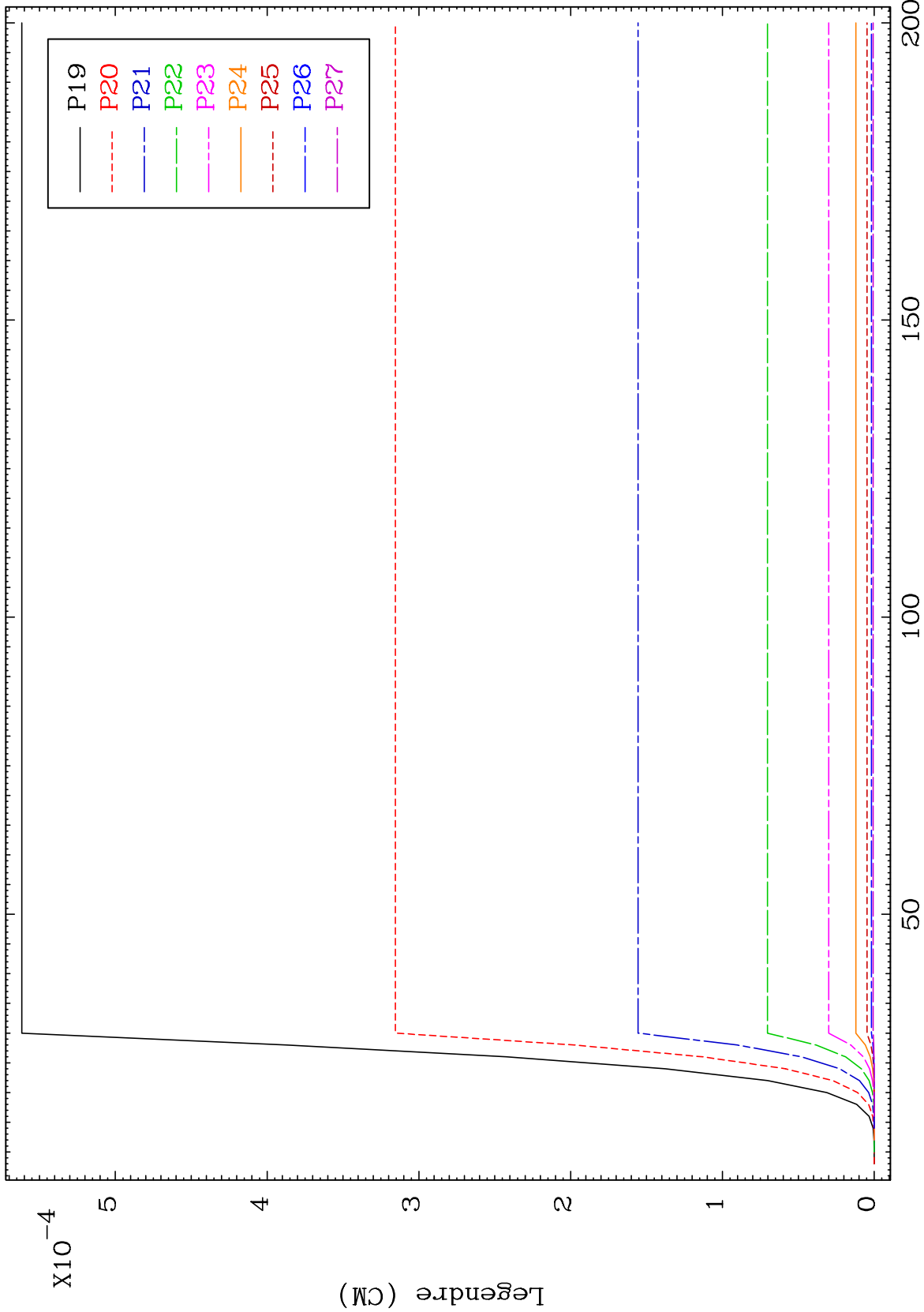


72

MAT 3816

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

38-Sr-81



73

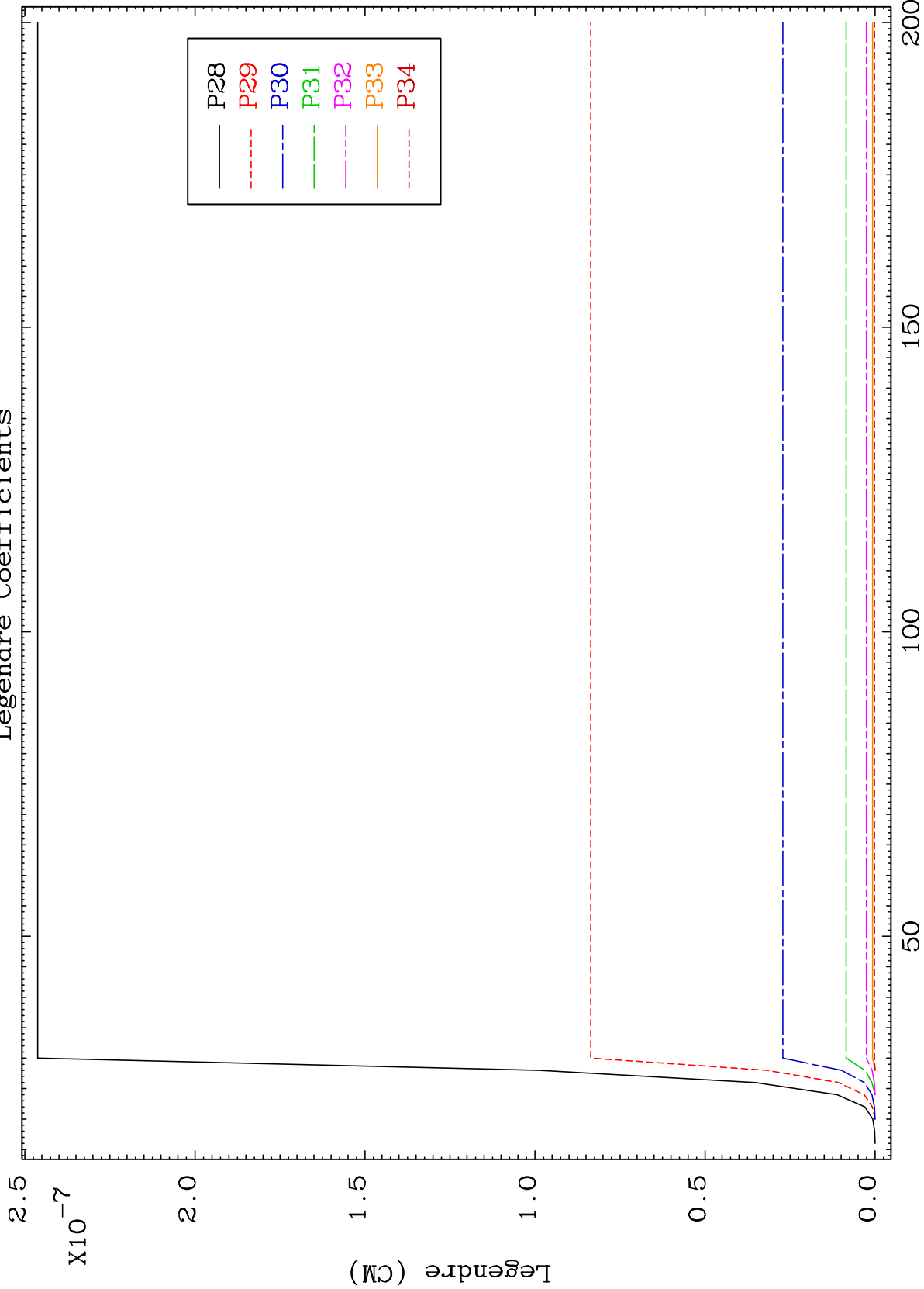
Incident Energy (MeV)

38-Sr-81

MAT 3816

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

38-Sr-81



74

Incident Energy (MeV)

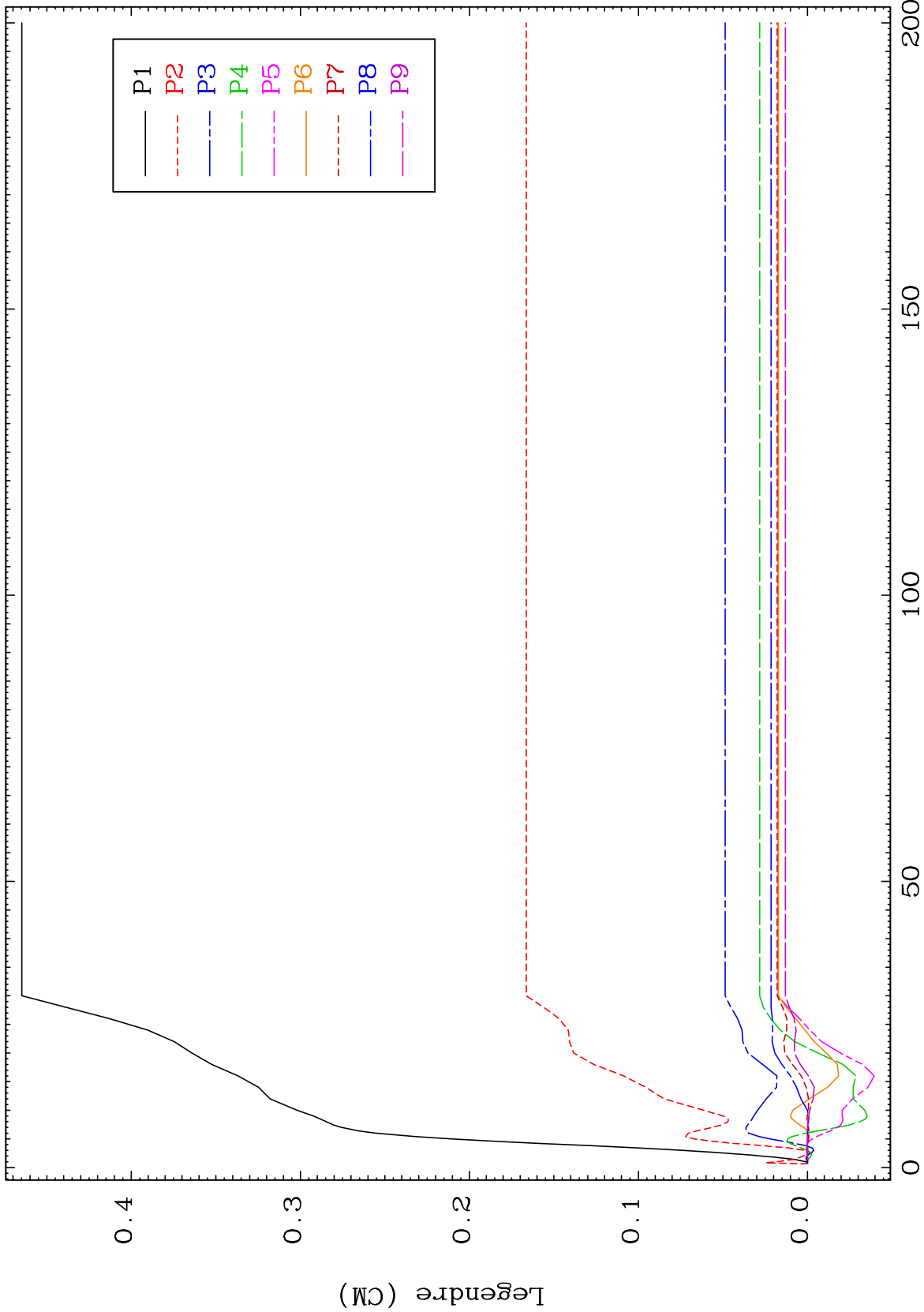
38-Sr-81

MAT 3816

MT= 65 (n,n') Level

38-Sr-81

Legendre Coefficients



75

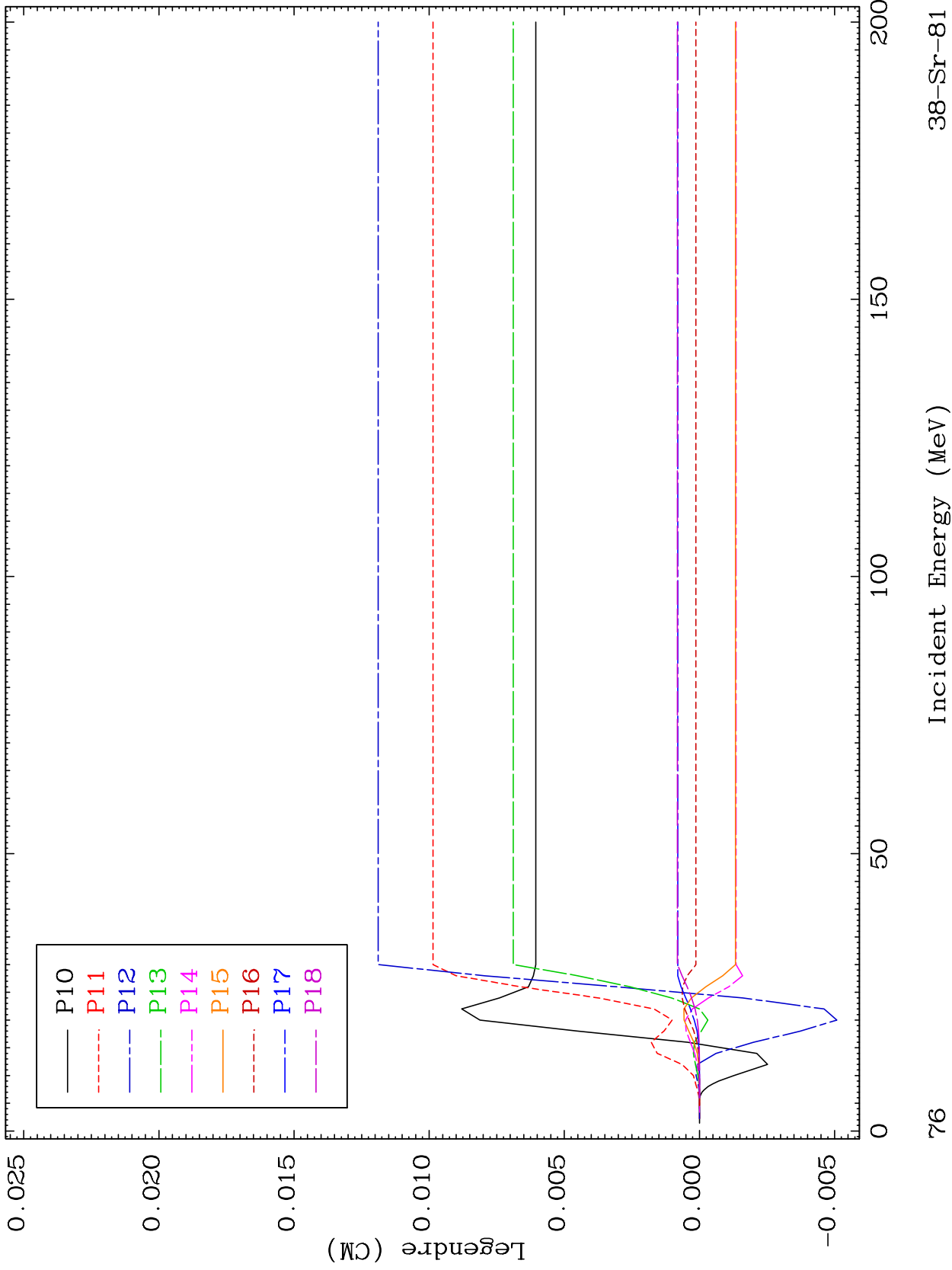
Incident Energy (MeV)

38-Sr-81

MAT 3816

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

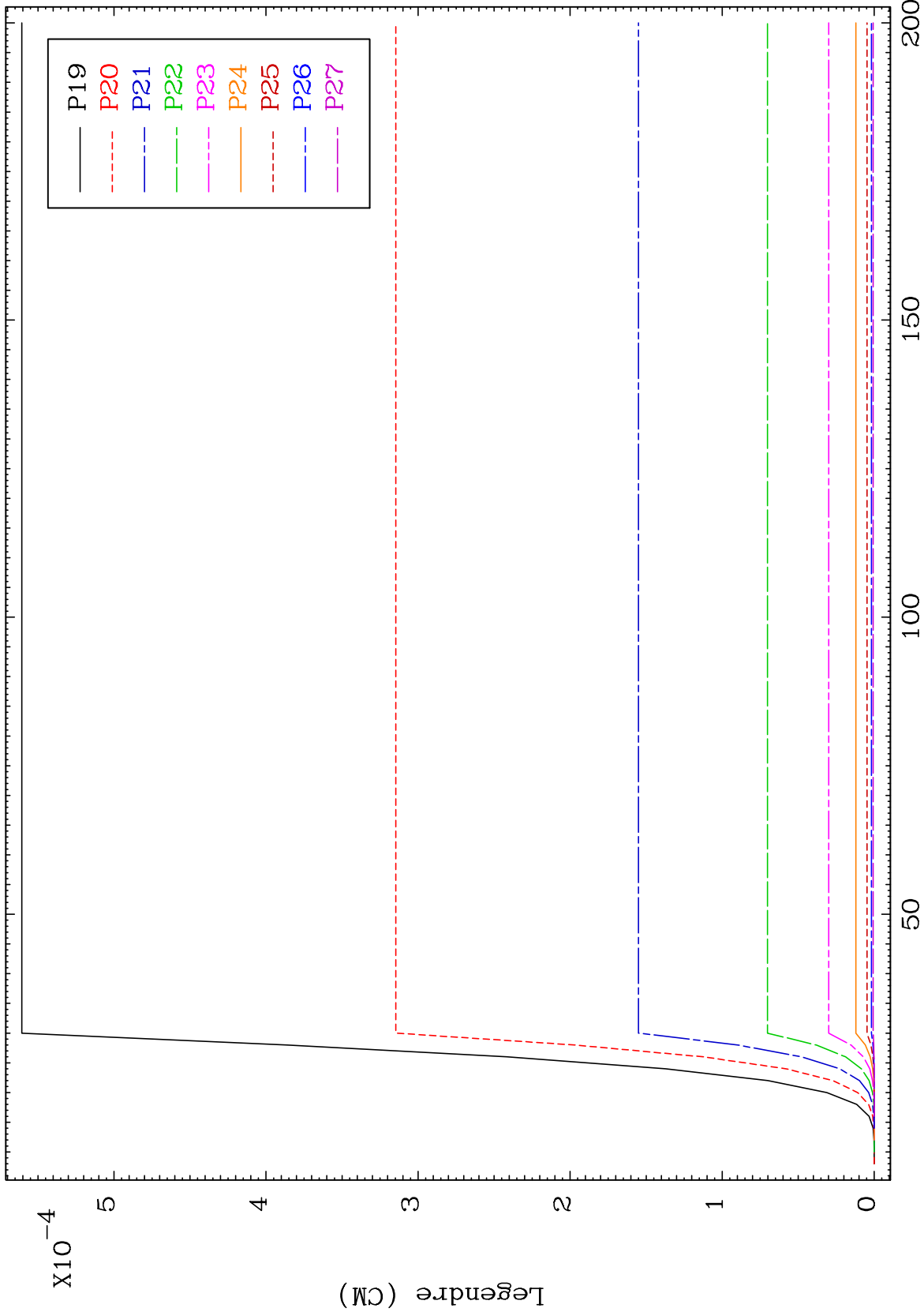
38-Sr-81



76

Incident Energy (MeV)

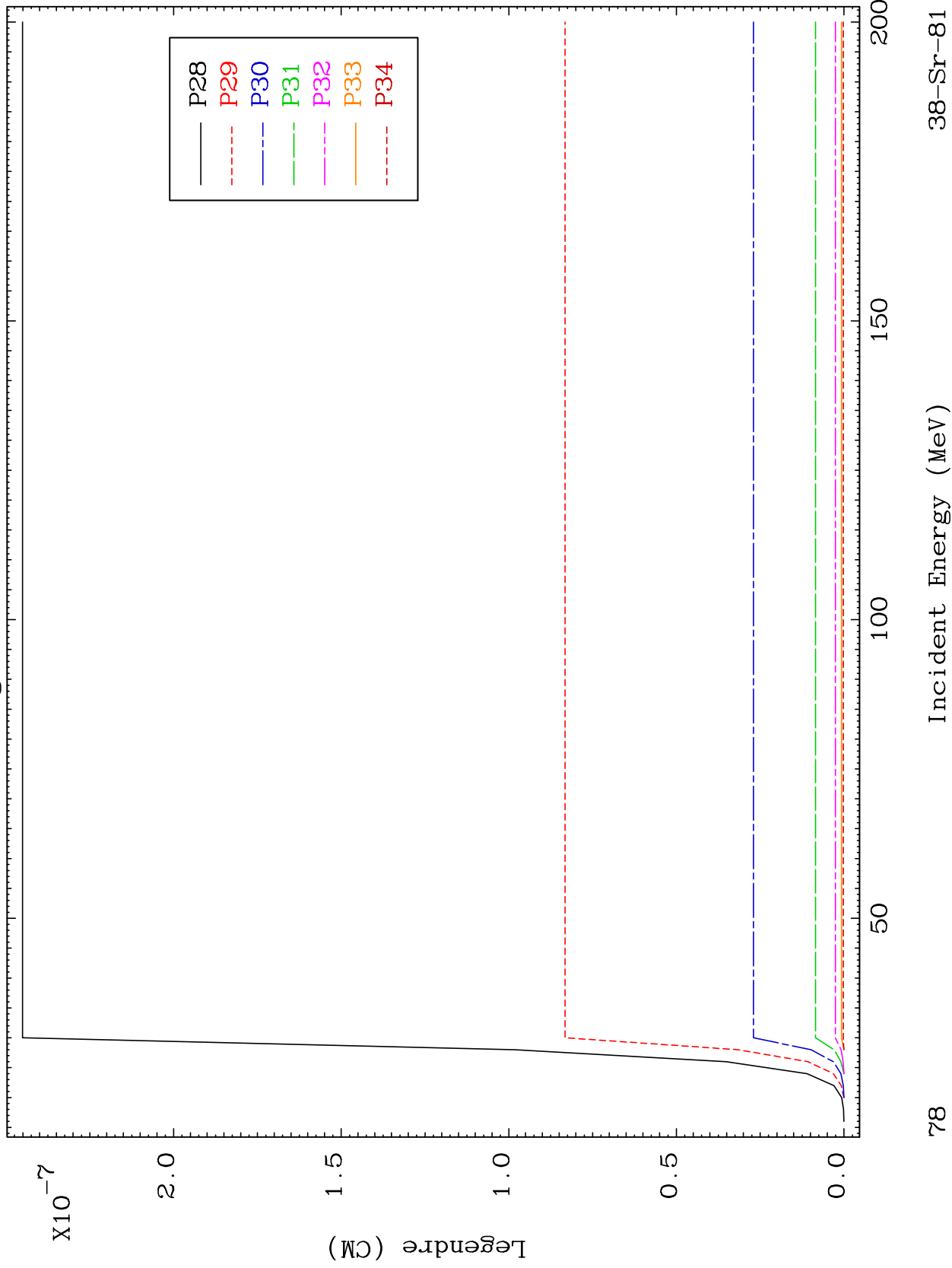
38-Sr-81



MAT 3816

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

38-Sr-81

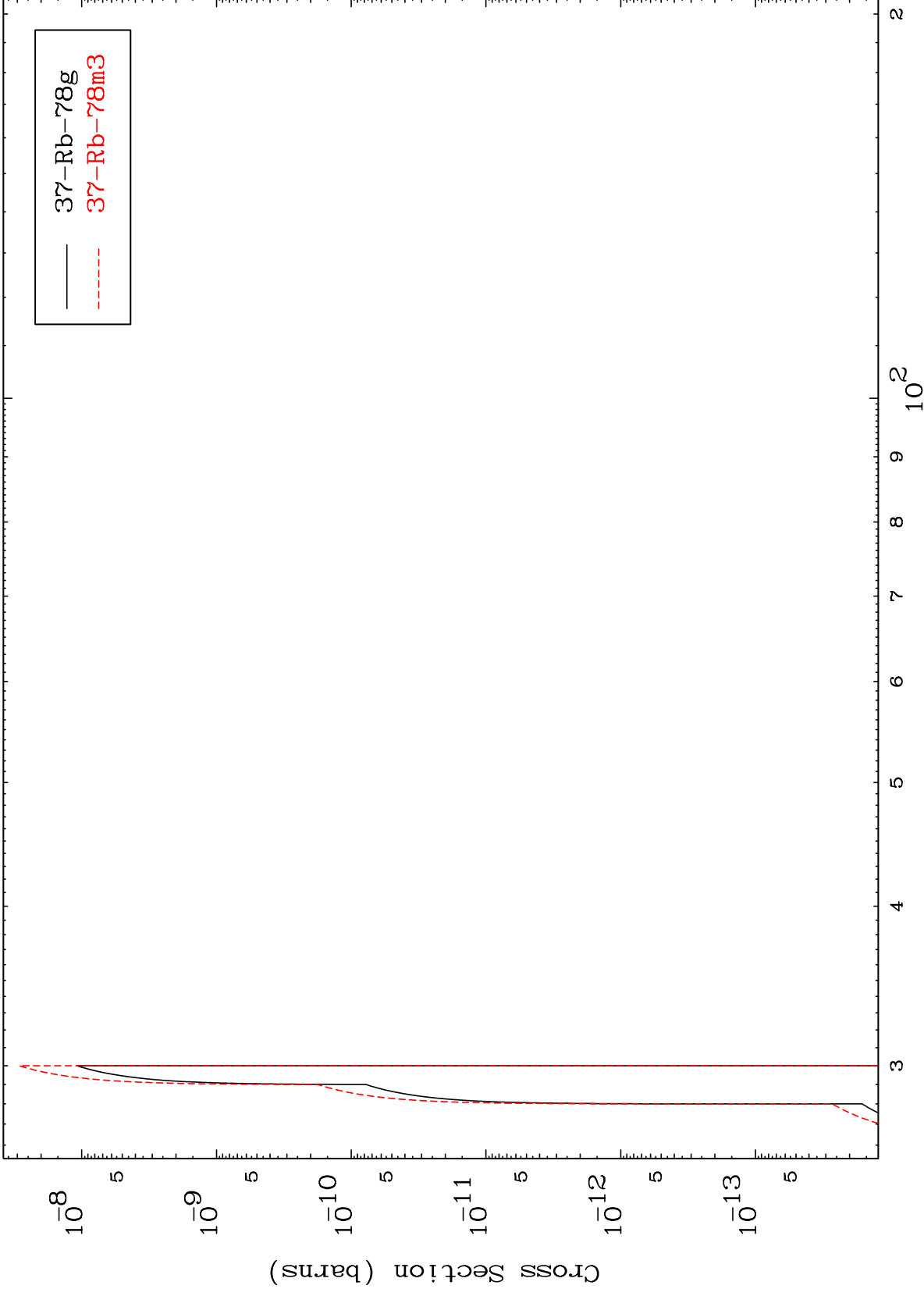


MAT 3816

(n,2n) d

38-Sr-81

Radionuclide Production Cross Section



79

Incident Energy (MeV)

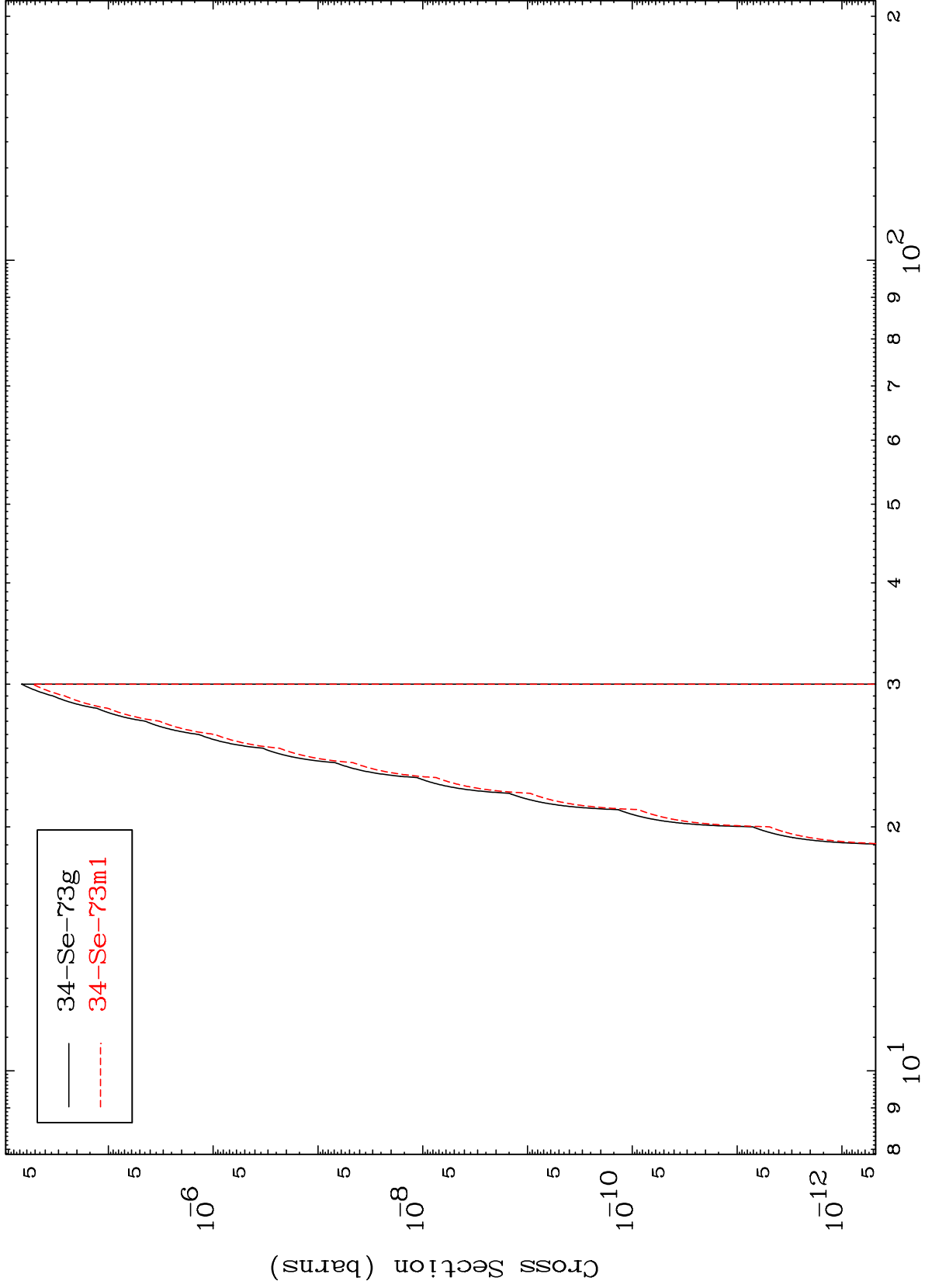
38-Sr-81

MAT 3816

(n,n') 2α

38-Sr-81

Radionuclide Production Cross Section



34-Se-73g  
34-Se-73m1

80

Incident Energy (MeV)

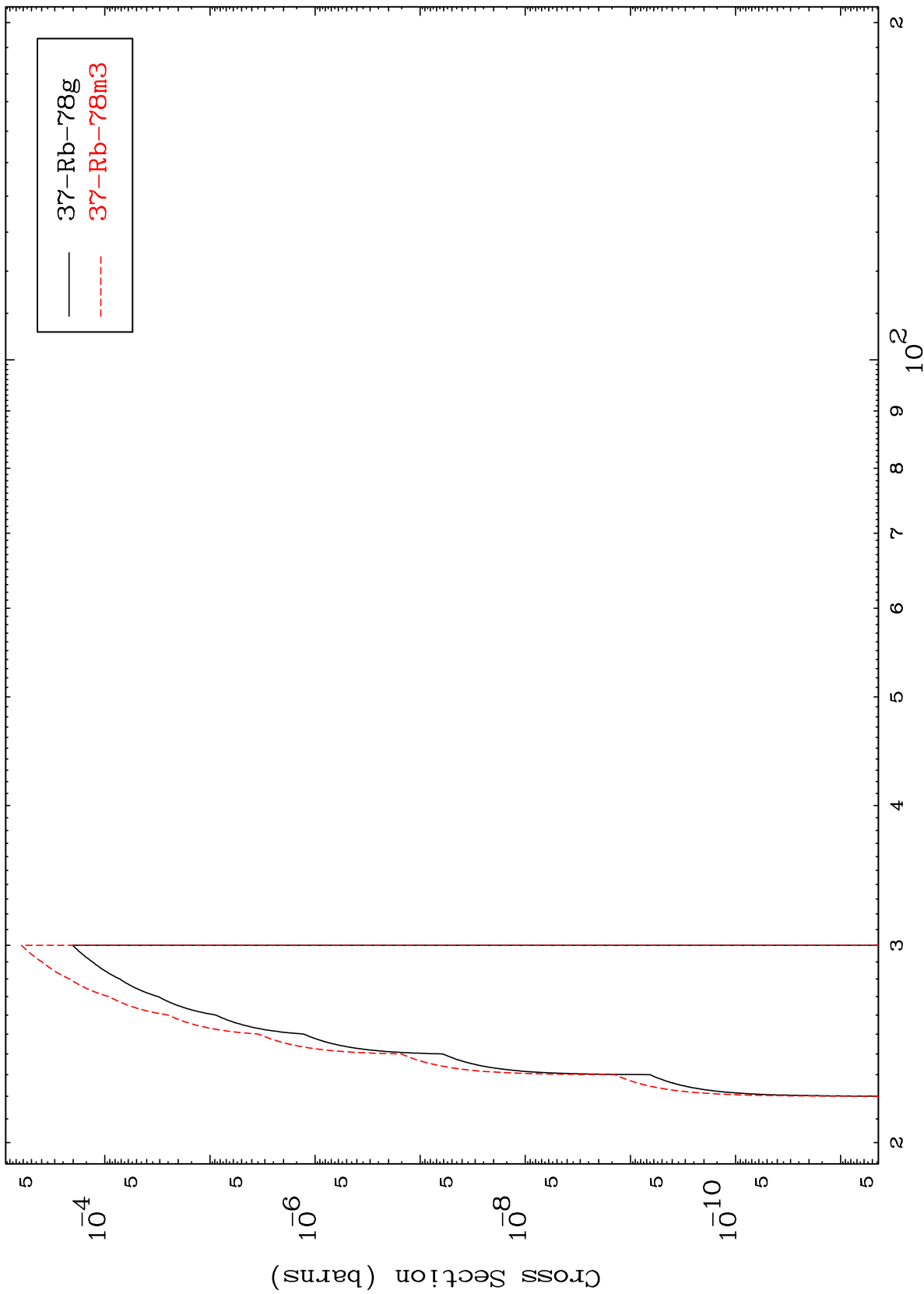
38-Sr-81

MAT 3816

(n,n') t

38-Sr-81

Radionuclide Production Cross Section

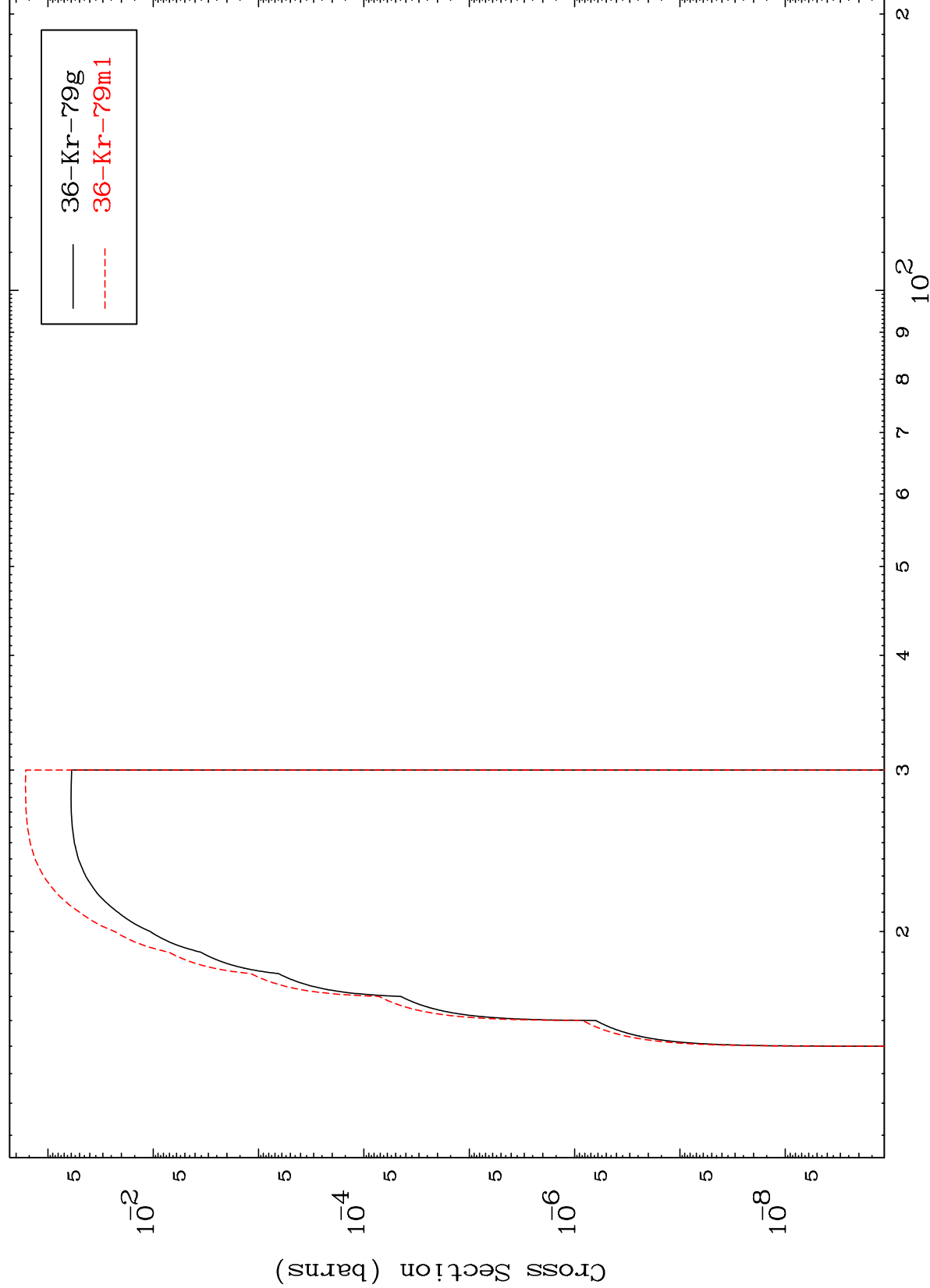


81

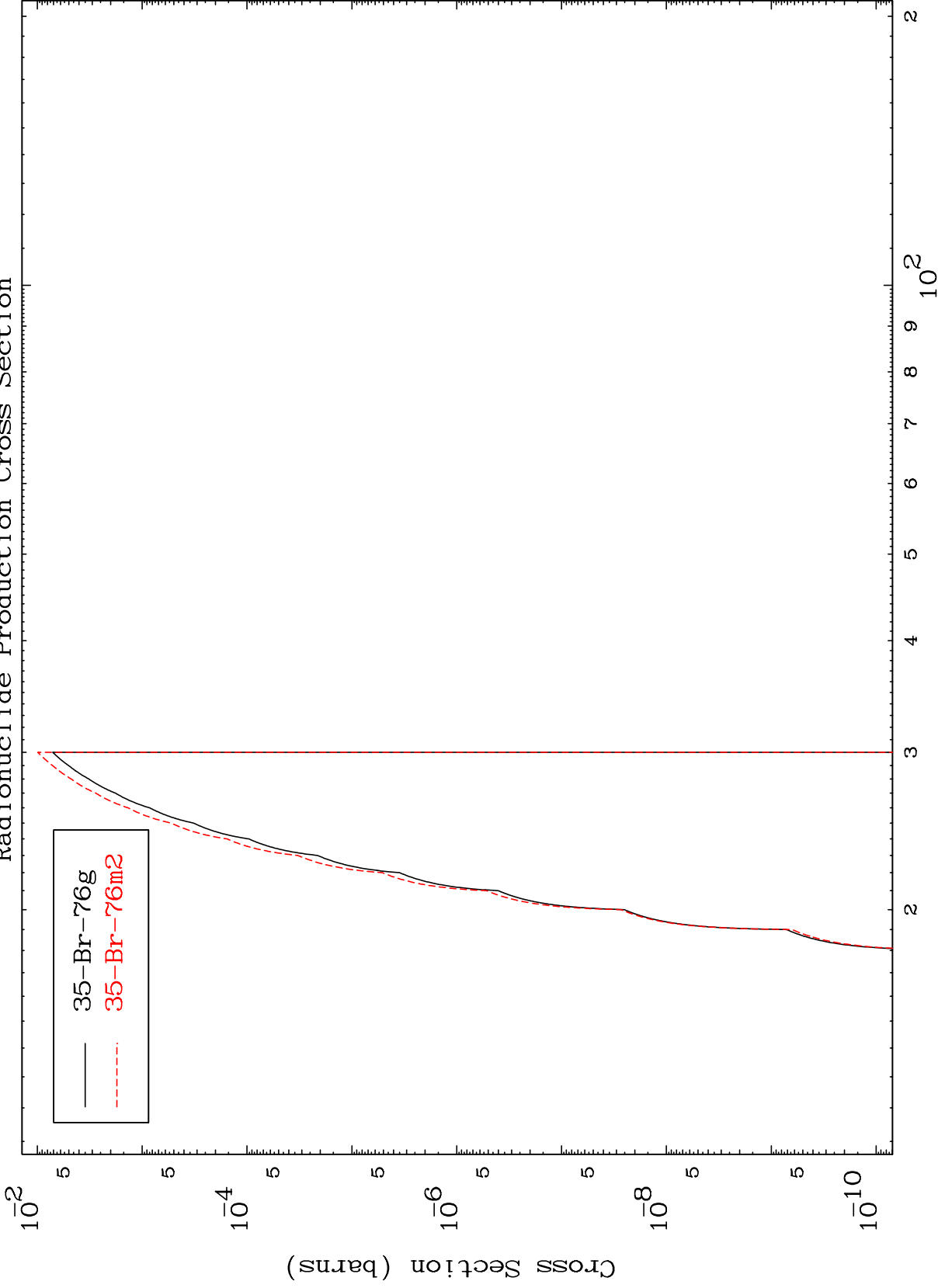
Incident Energy (MeV)

38-Sr-81

Radionuclide Production Cross Section

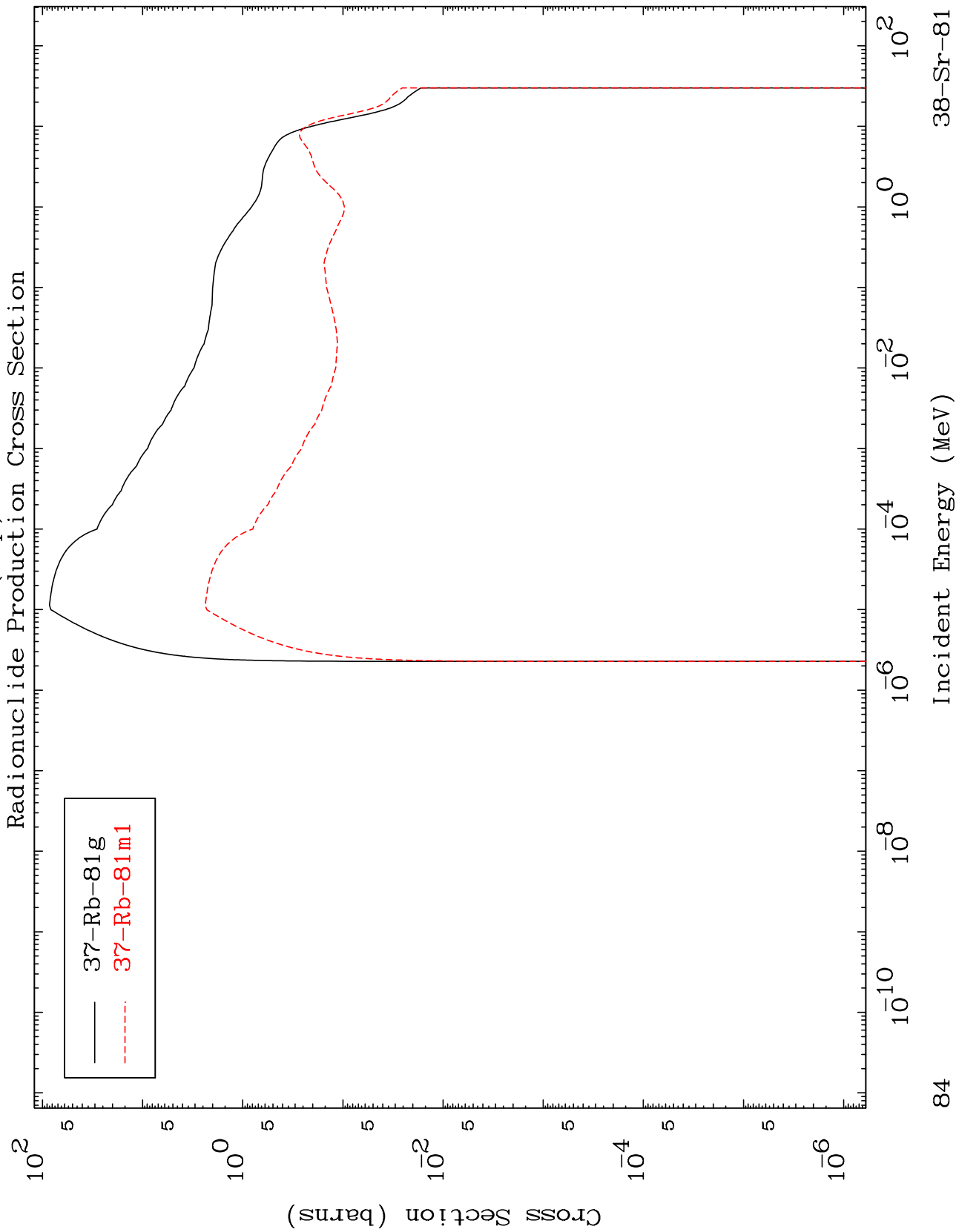


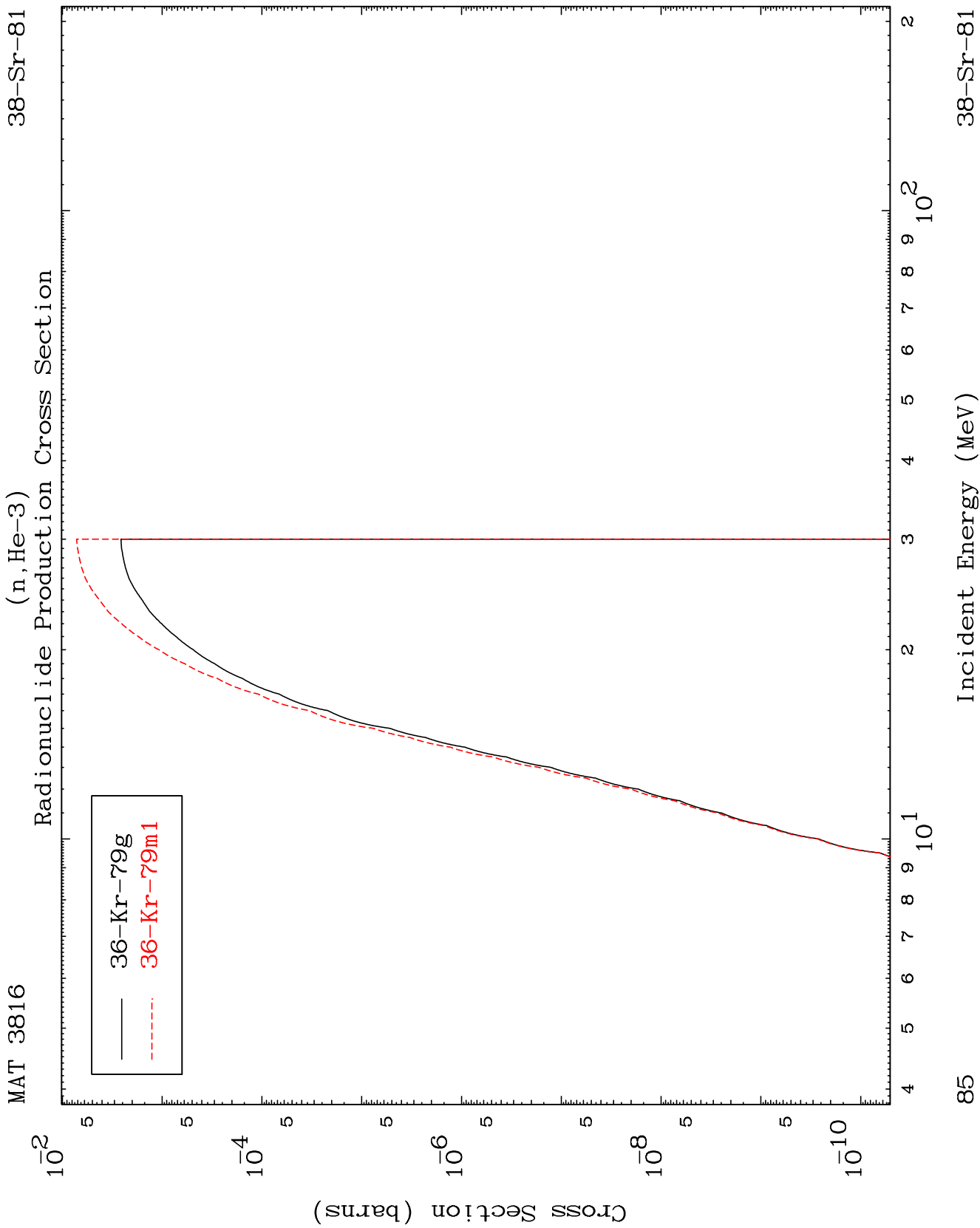
(n,n') p  $\alpha$   
Radionuclide Production Cross Section



MAT 3816

38-Sr-81



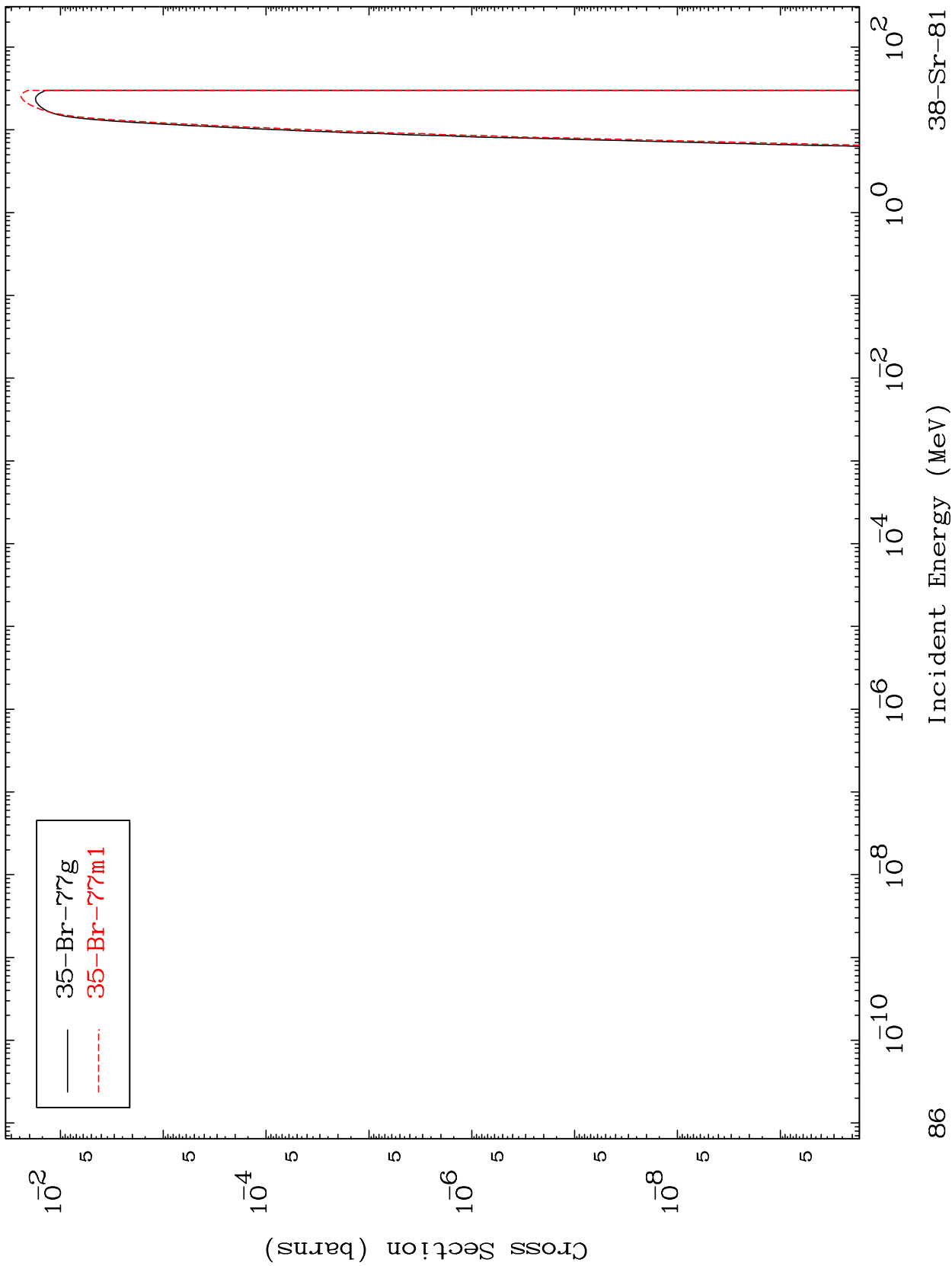


MAT 3816

(n,p)  $\alpha$

38-Sr-81

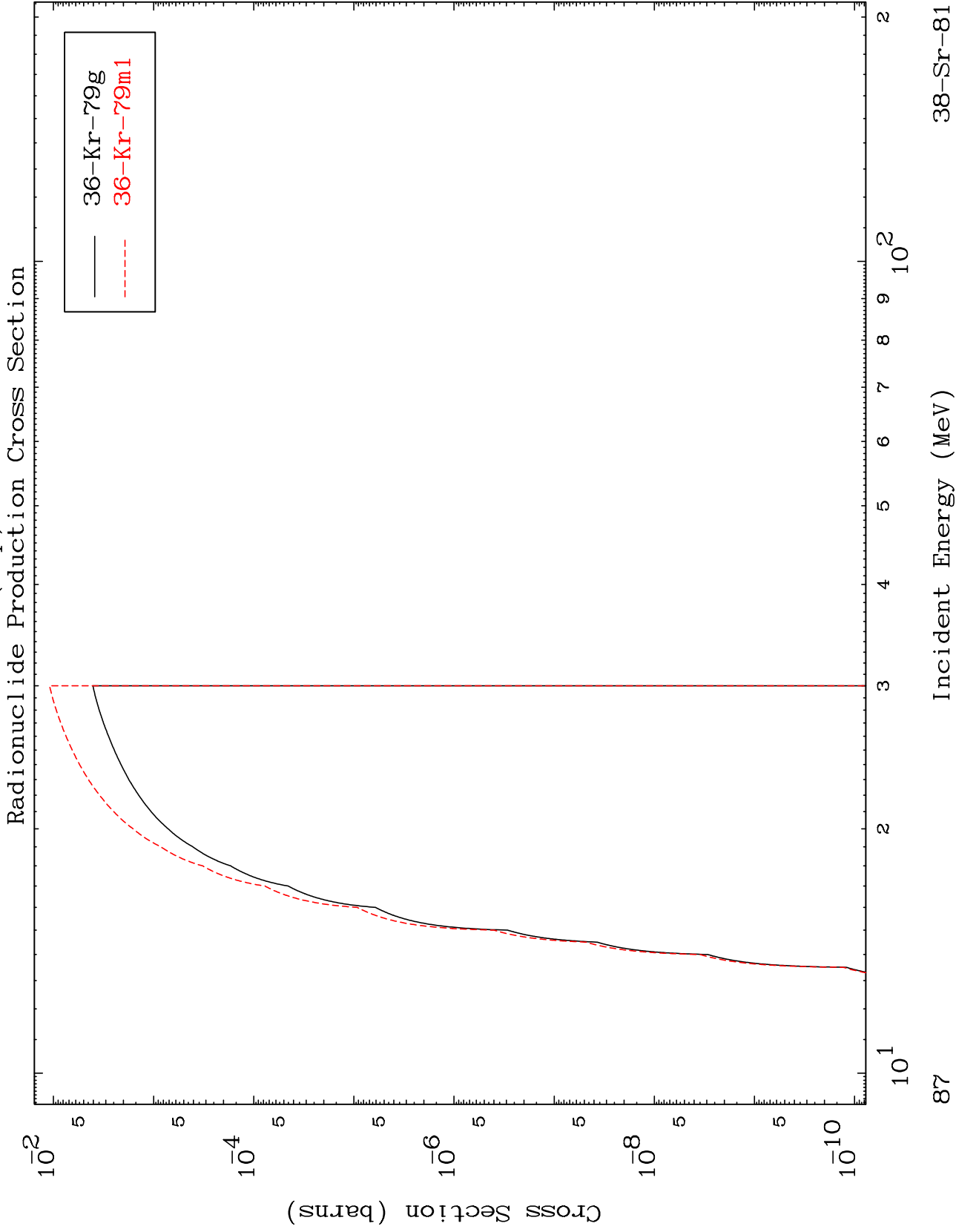
Radionuclide Production Cross Section



MAT 3816

(n,p) d

38-Sr-81

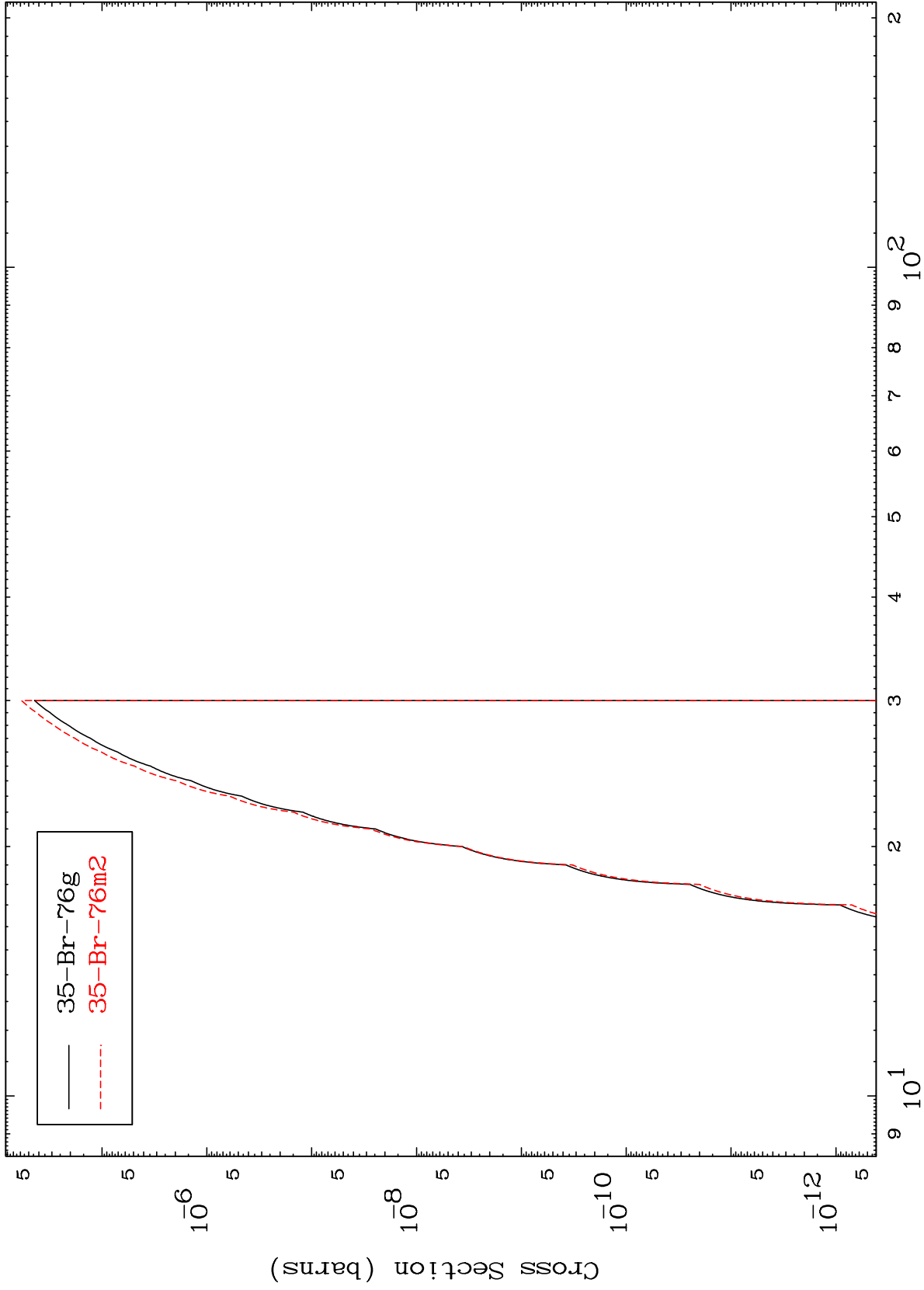


MAT 3816

(n,d)  $\alpha$

38-Sr-81

Radionuclide Production Cross Section



88

Incident Energy (MeV)

38-Sr-81