

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

Web:redcullen1.net/HOMEPAGE.NEW

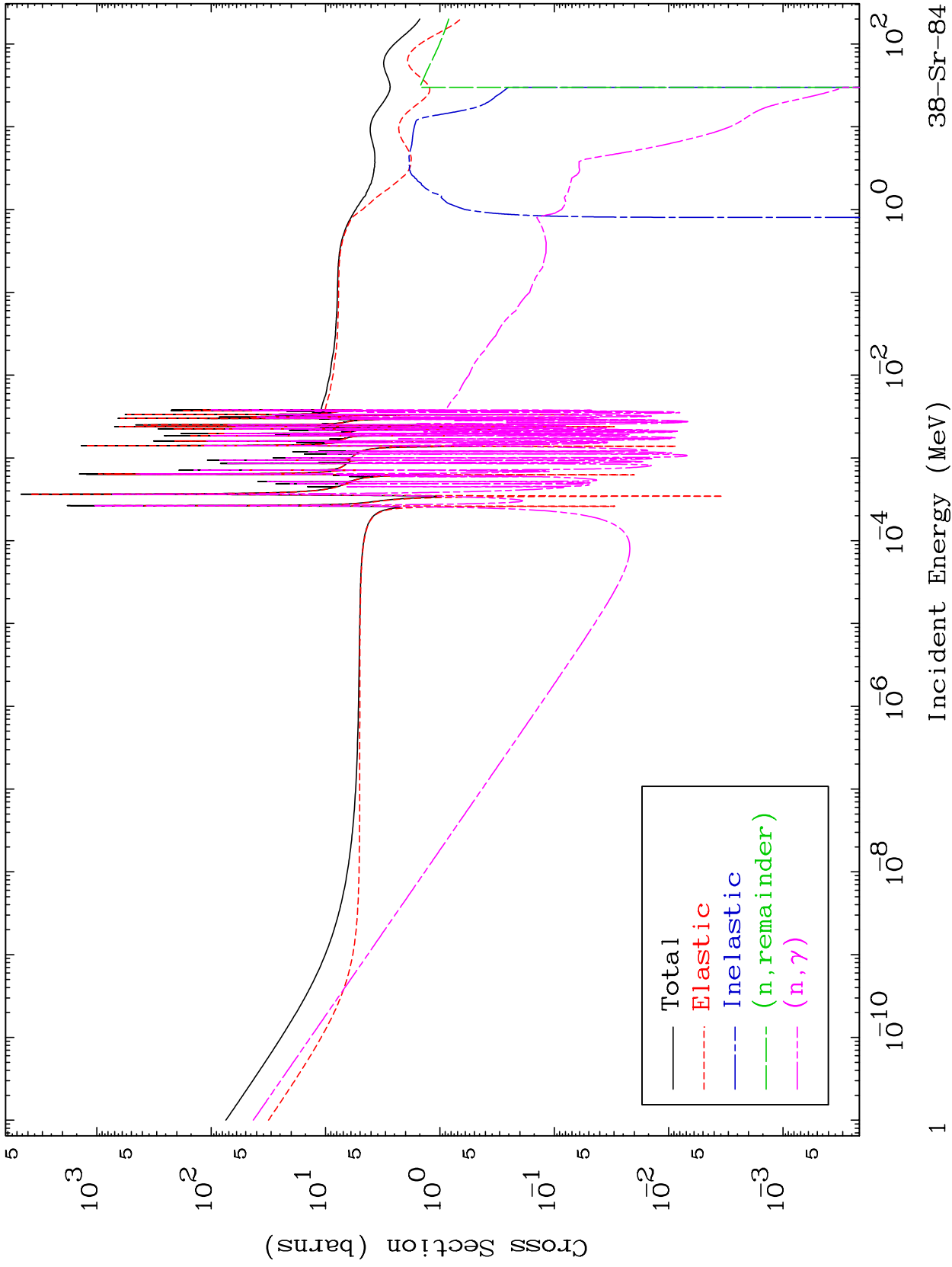
Press Mouse Button to Start

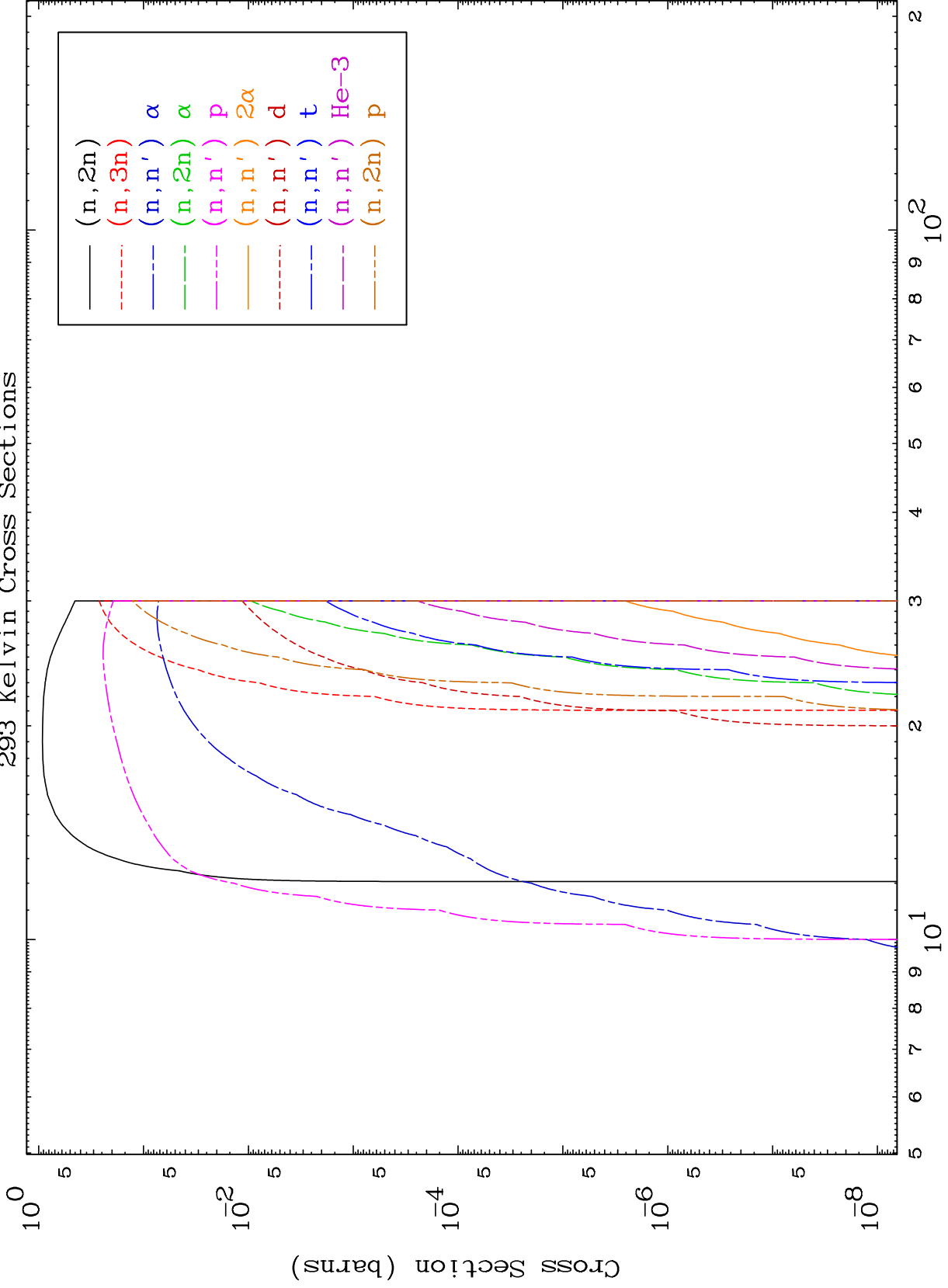
MAT 3825

Major

293 Kelvin Cross Sections

38-Sr-84

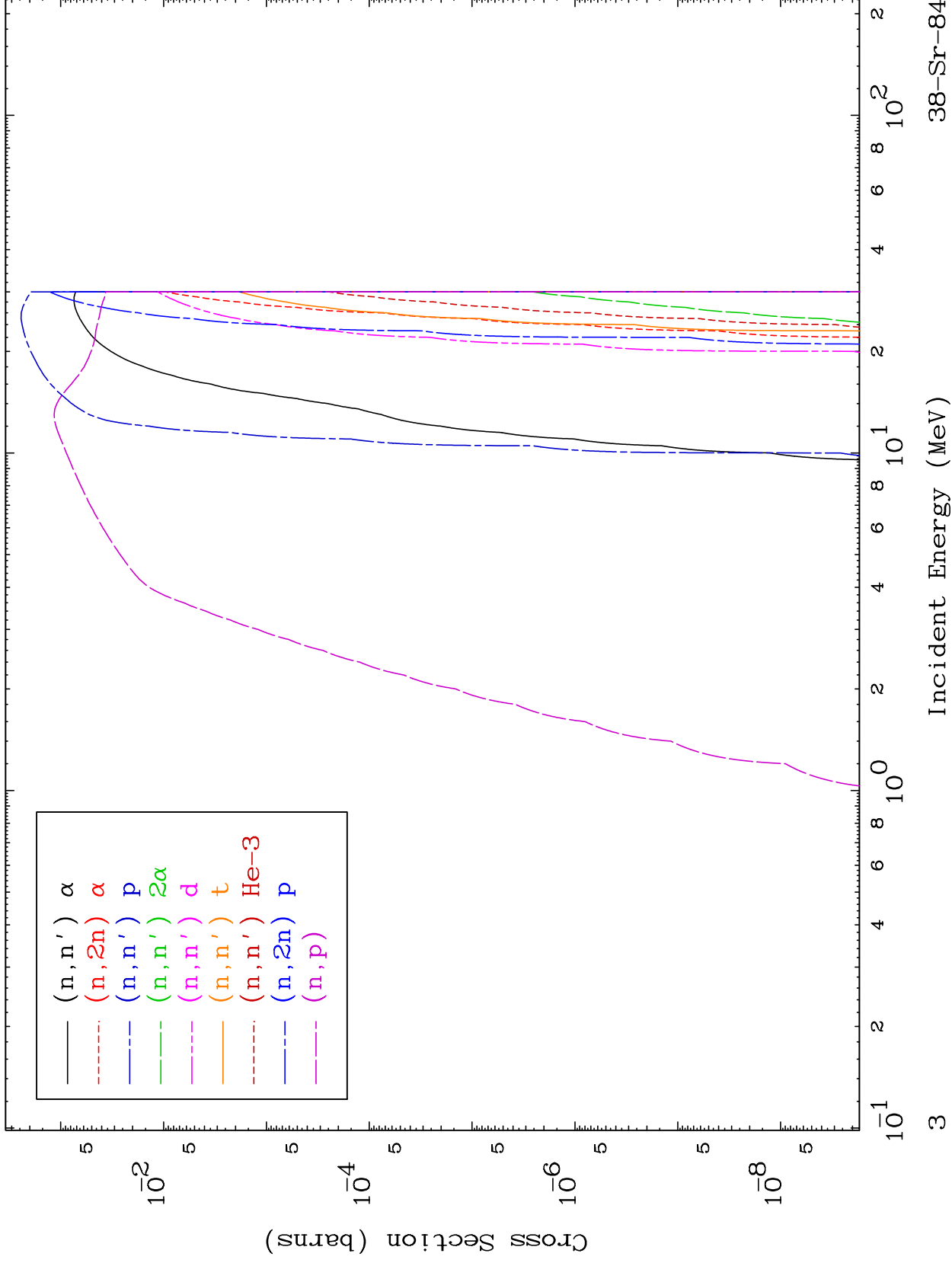




MAT 3825

Charged Particle  
293 Kelvin Cross Sections

38-Sr-84



38-Sr-84

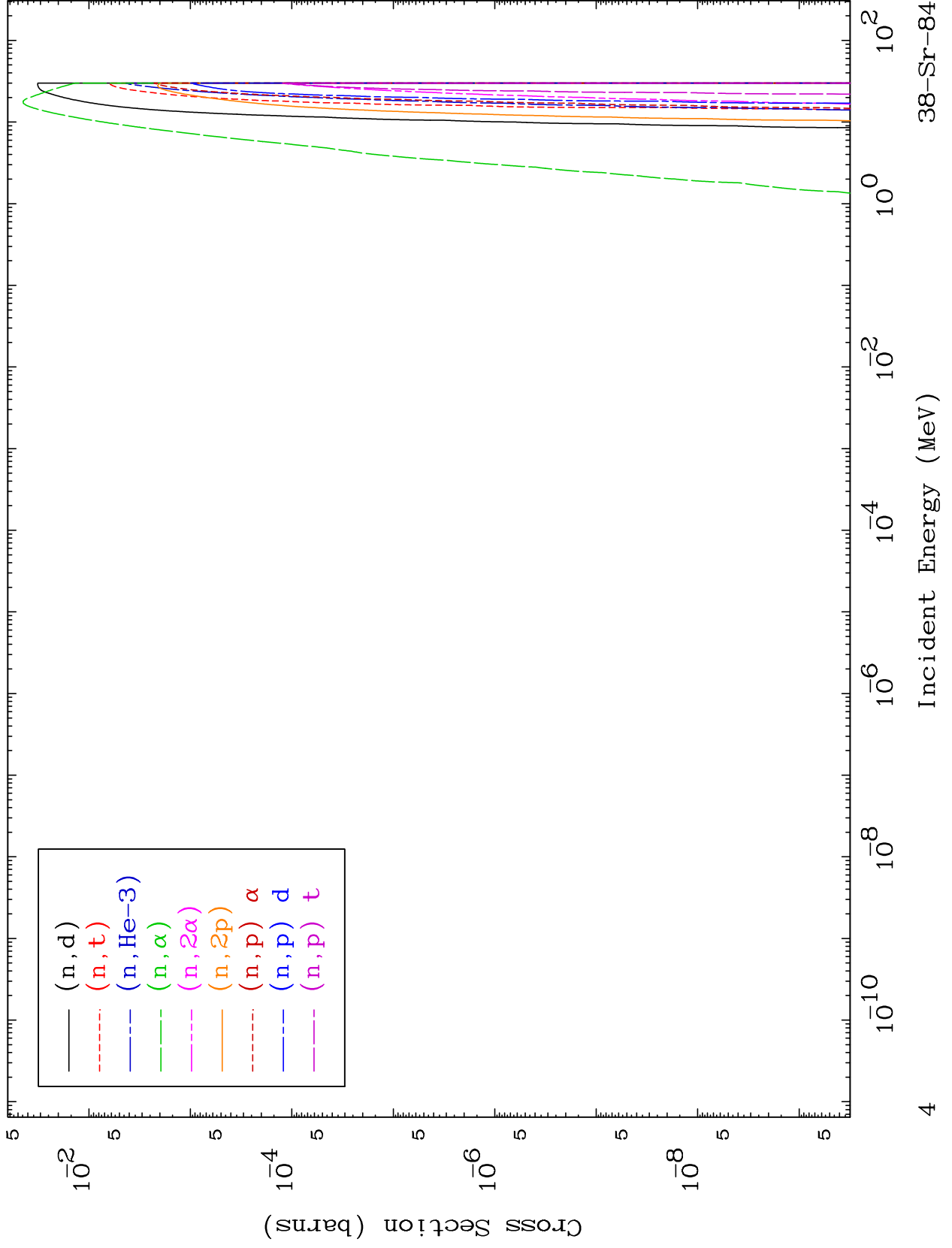
Incident Energy (MeV)

3

MAT 3825

Charged Particle  
293 Kelvin Cross Sections

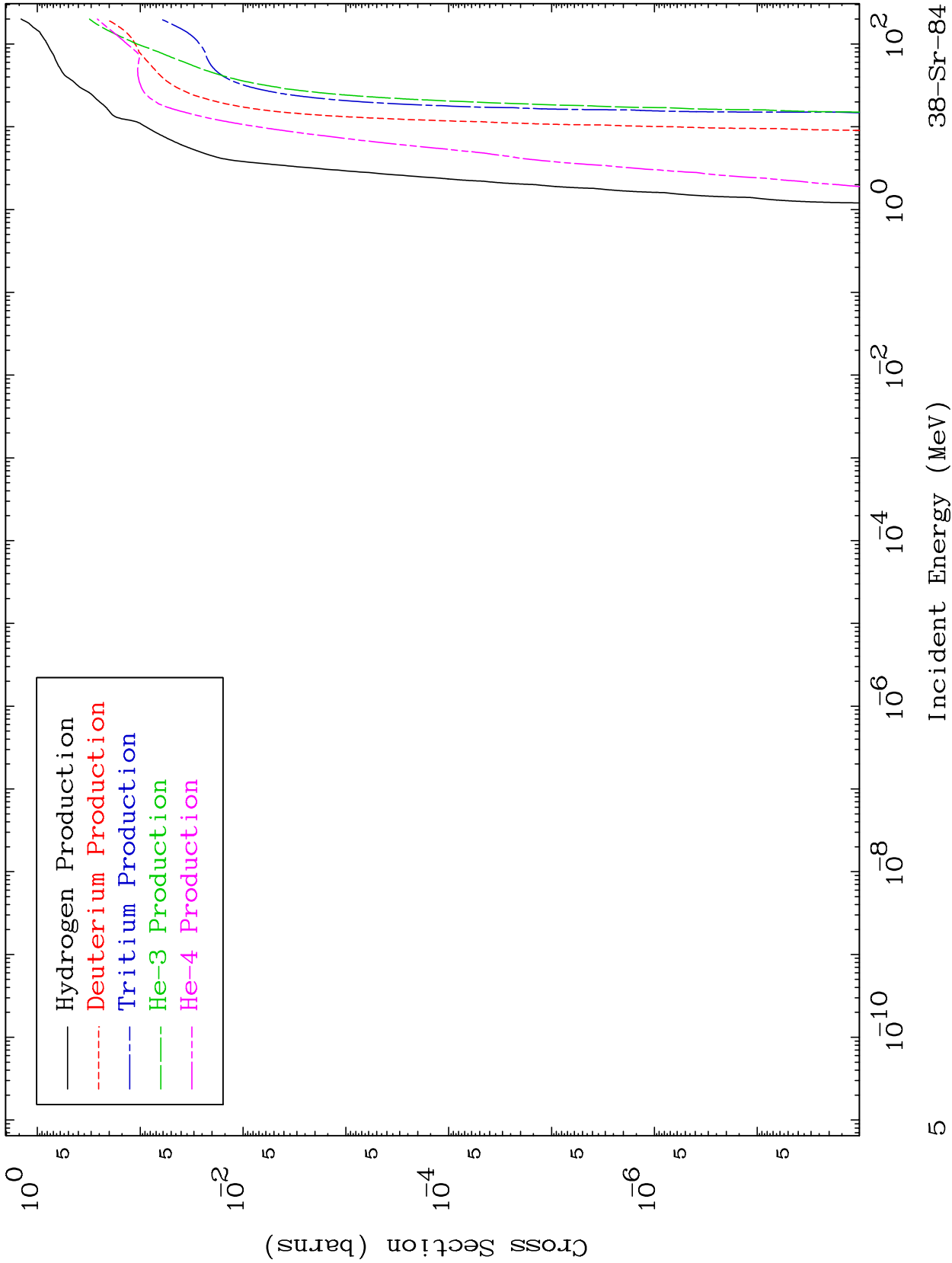
38-Sr-84



MAT 3825

Particle Production  
293 Kelvin Cross Sections

38-Sr-84



5

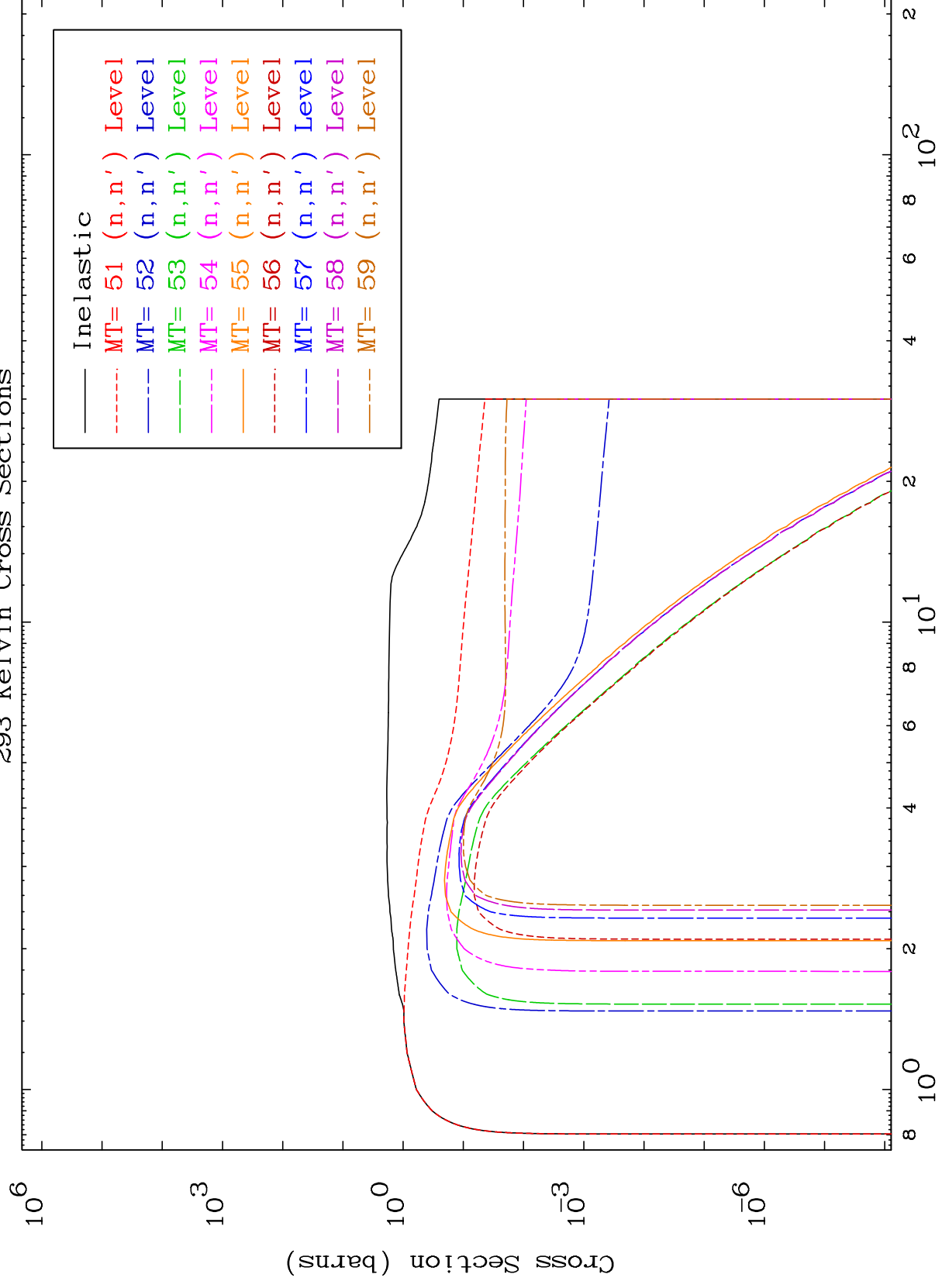
38-Sr-84

MAT 3825

(n,n') Level

38-Sr-84

293 Kelvin Cross Sections



Incident Energy (MeV)

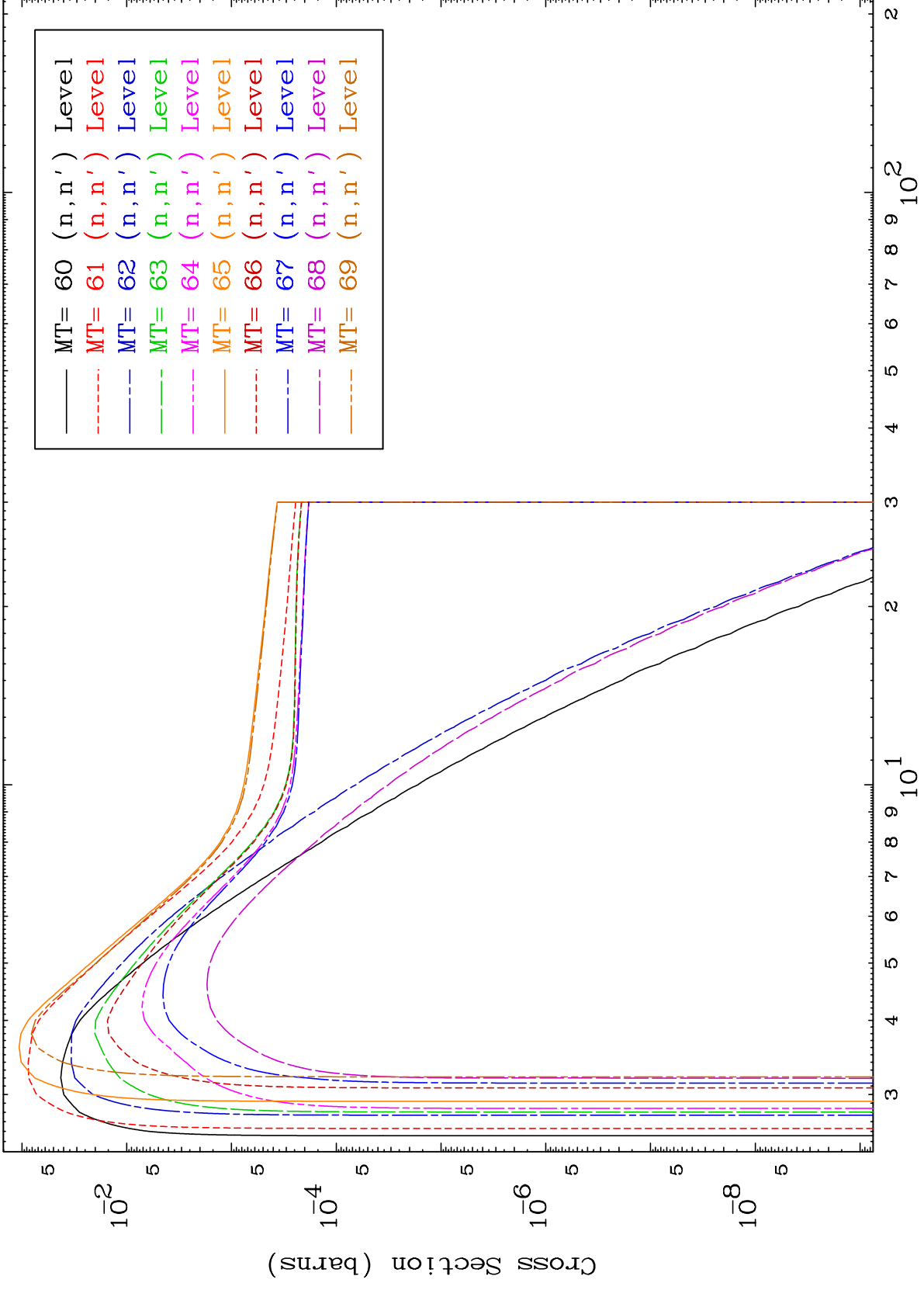
38-Sr-84

MAT 3825

(n,n') Level

38-Sr-84

293 Kelvin Cross Sections



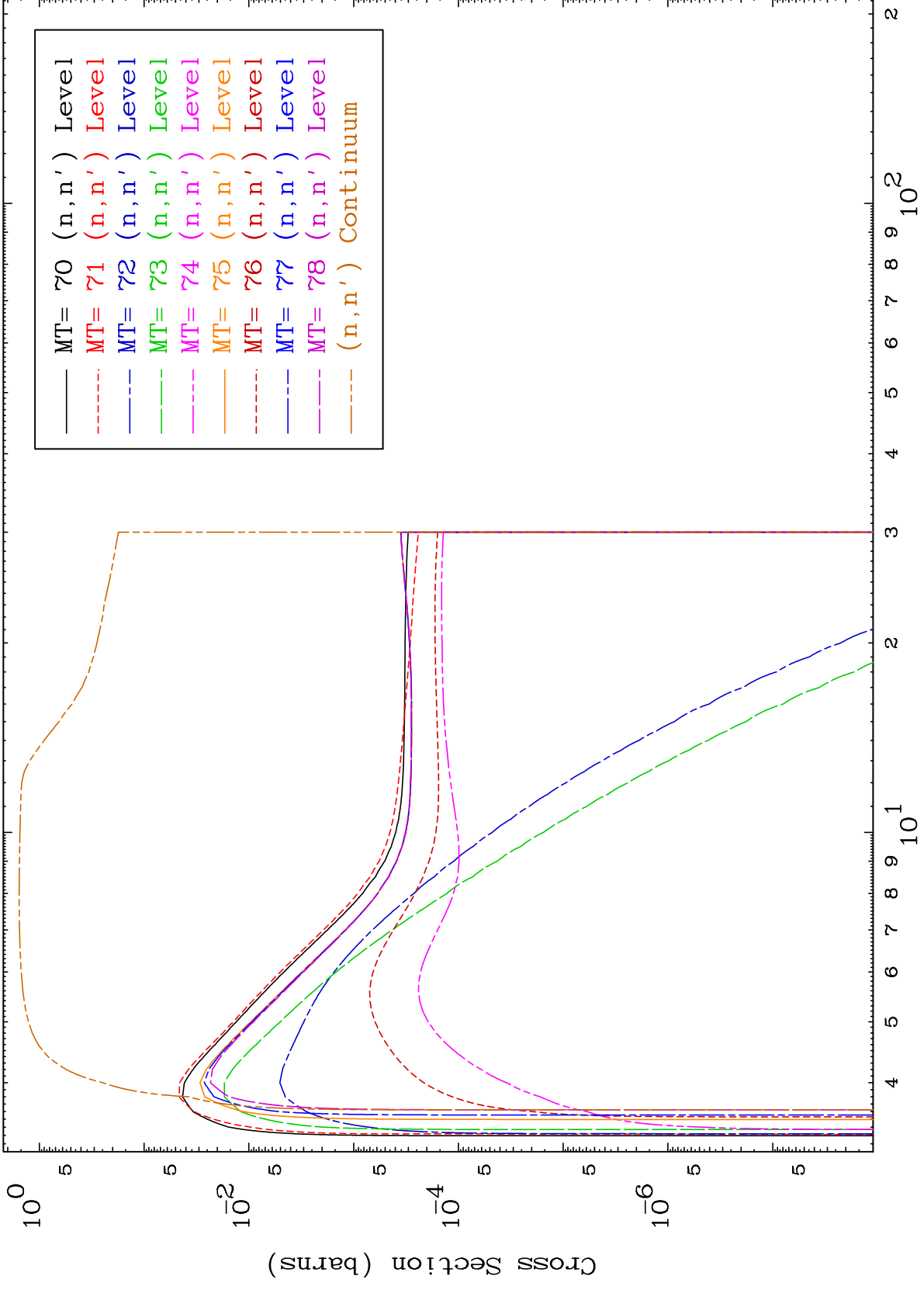
7

Incident Energy (MeV)

38-Sr-84



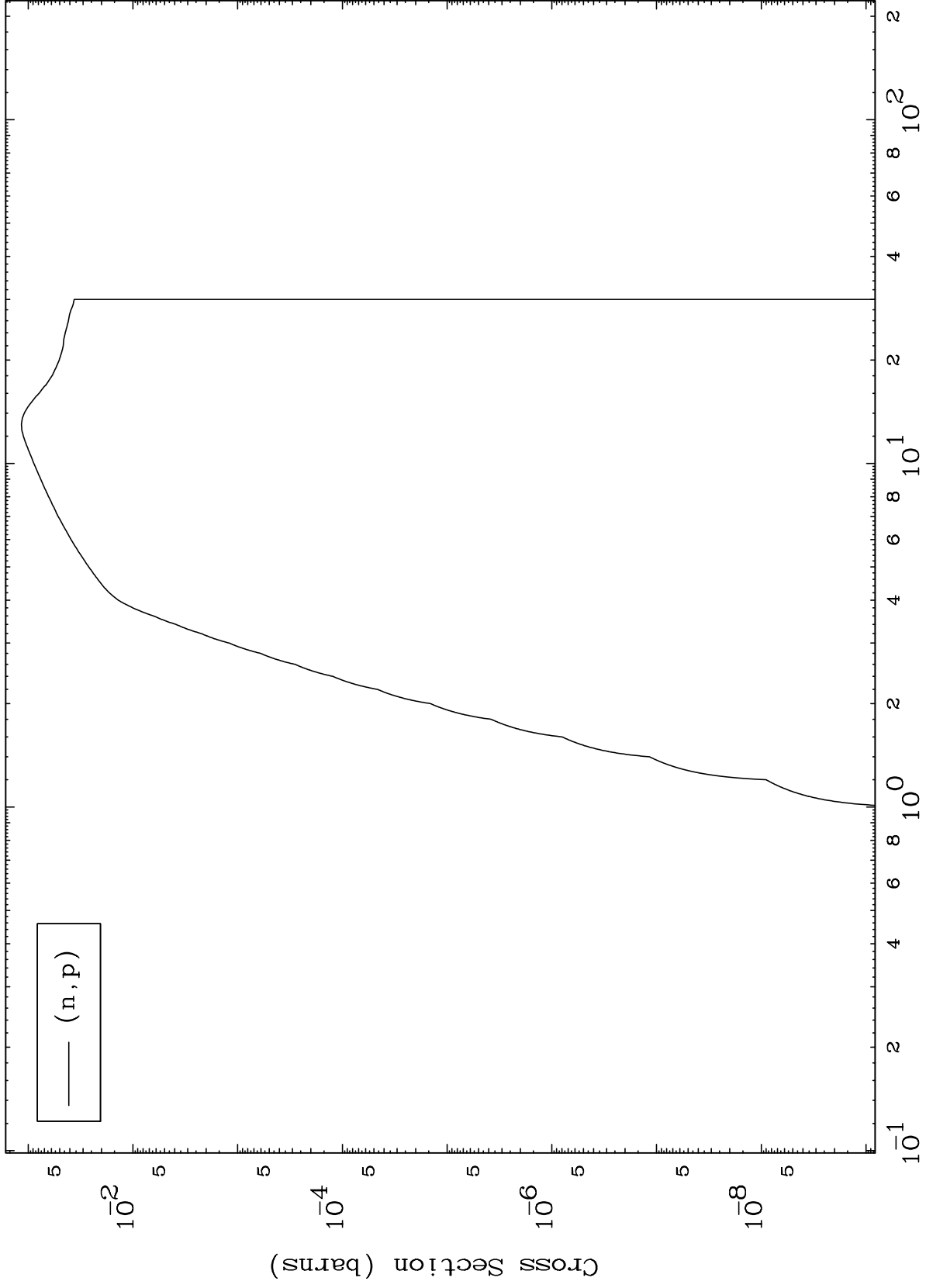
293 Kelvin Cross Sections



MAT 3825

(n,p) Levels  
293 Kelvin Cross Sections

38-Sr-84



9

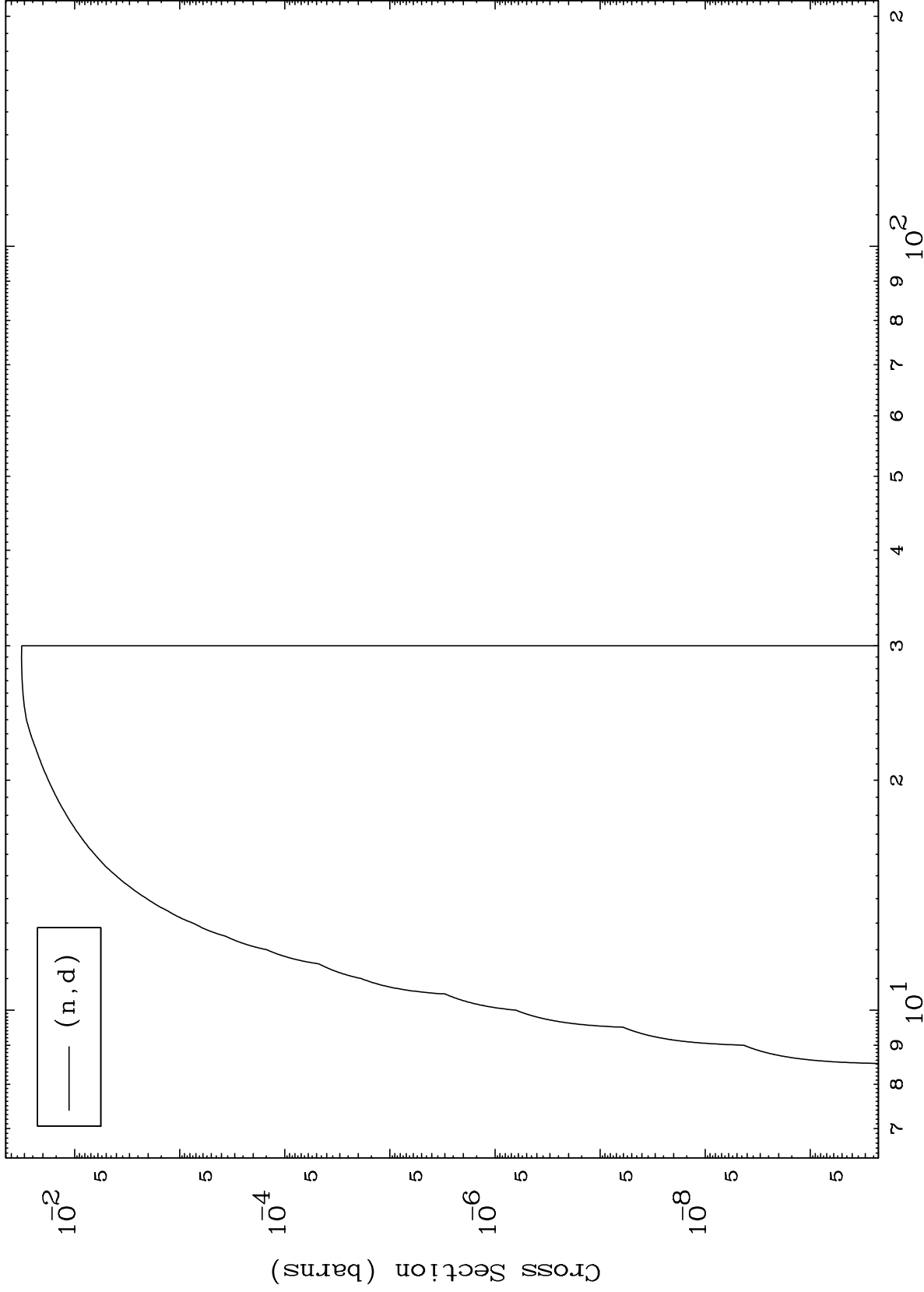
Incident Energy (MeV)

38-Sr-84

MAT 3825

(n,d) Levels  
293 Kelvin Cross Sections

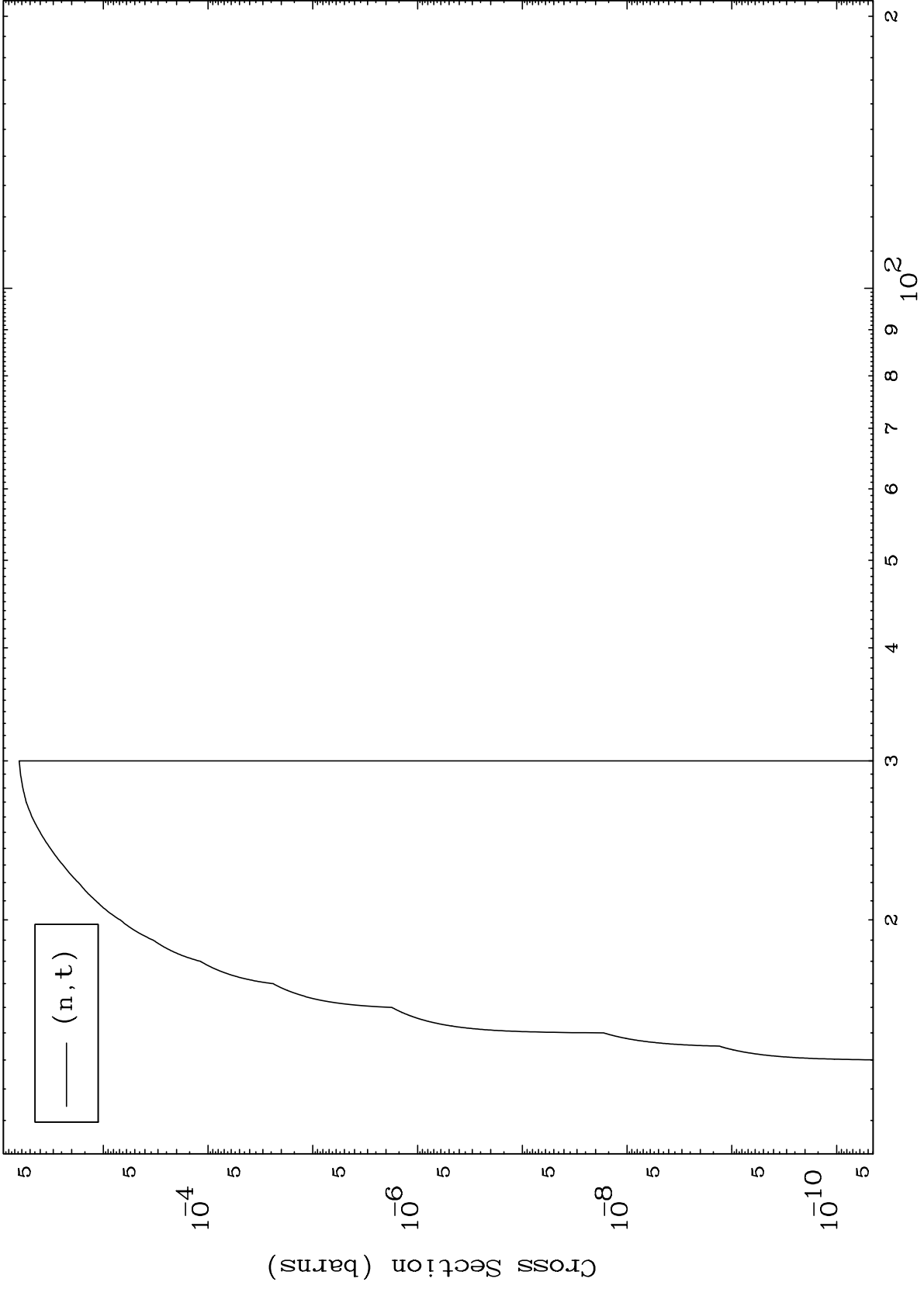
38-Sr-84



10

Incident Energy (MeV)

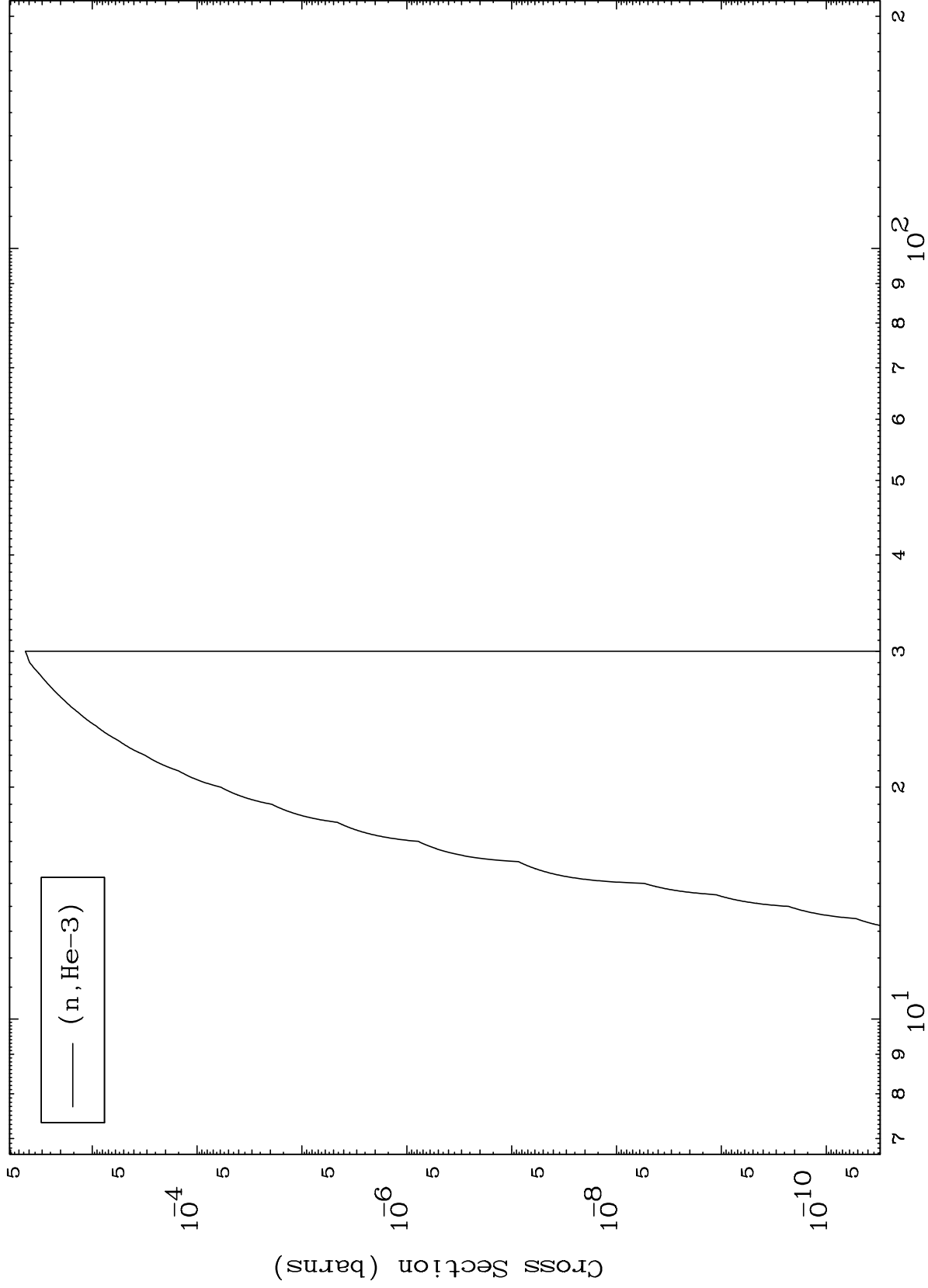
38-Sr-84



MAT 3825

(n,He3) Levels  
293 Kelvin Cross Sections

38-Sr-84



12

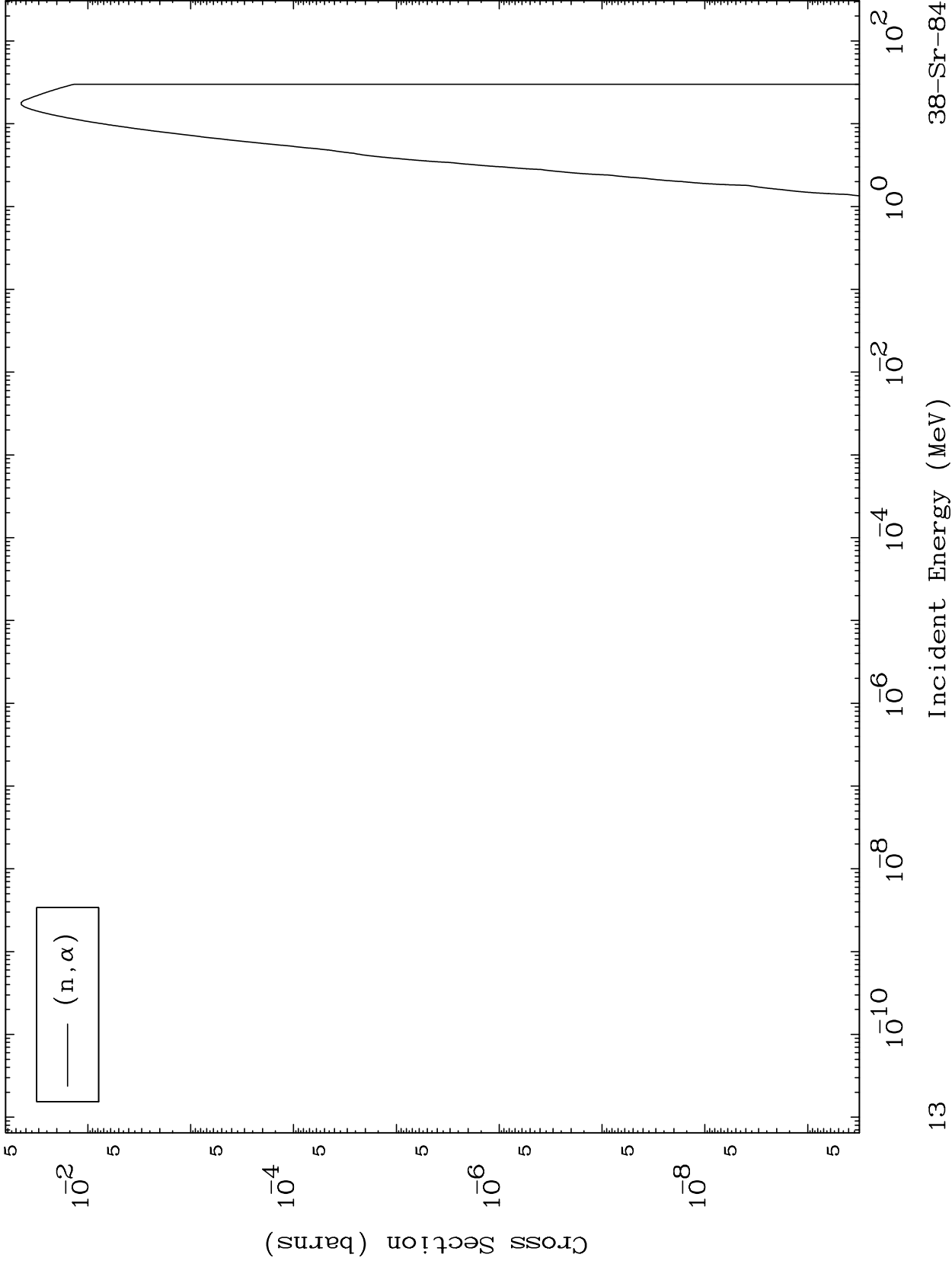
Incident Energy (MeV)

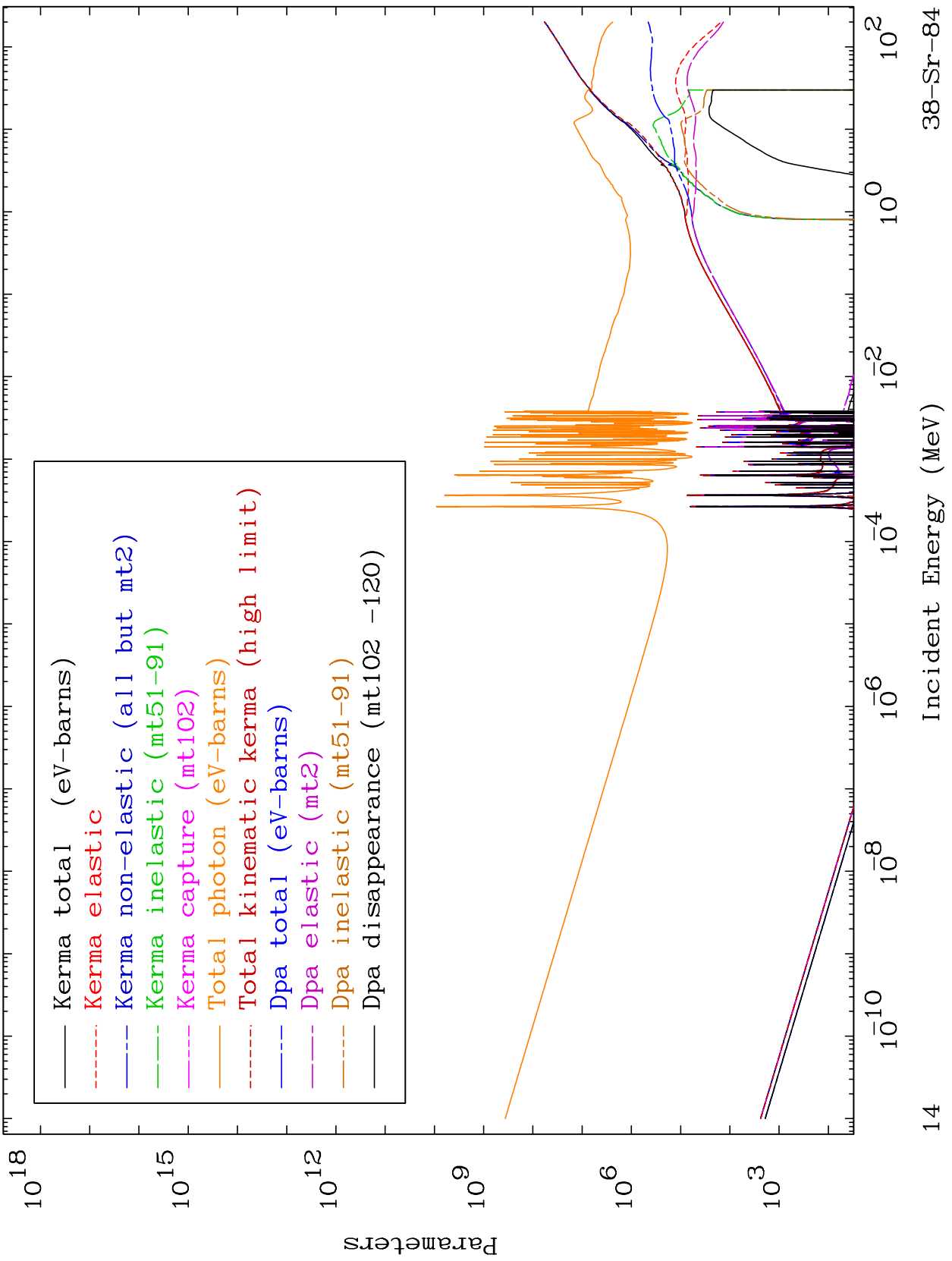
38-Sr-84

MAT 3825

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

38-Sr-84

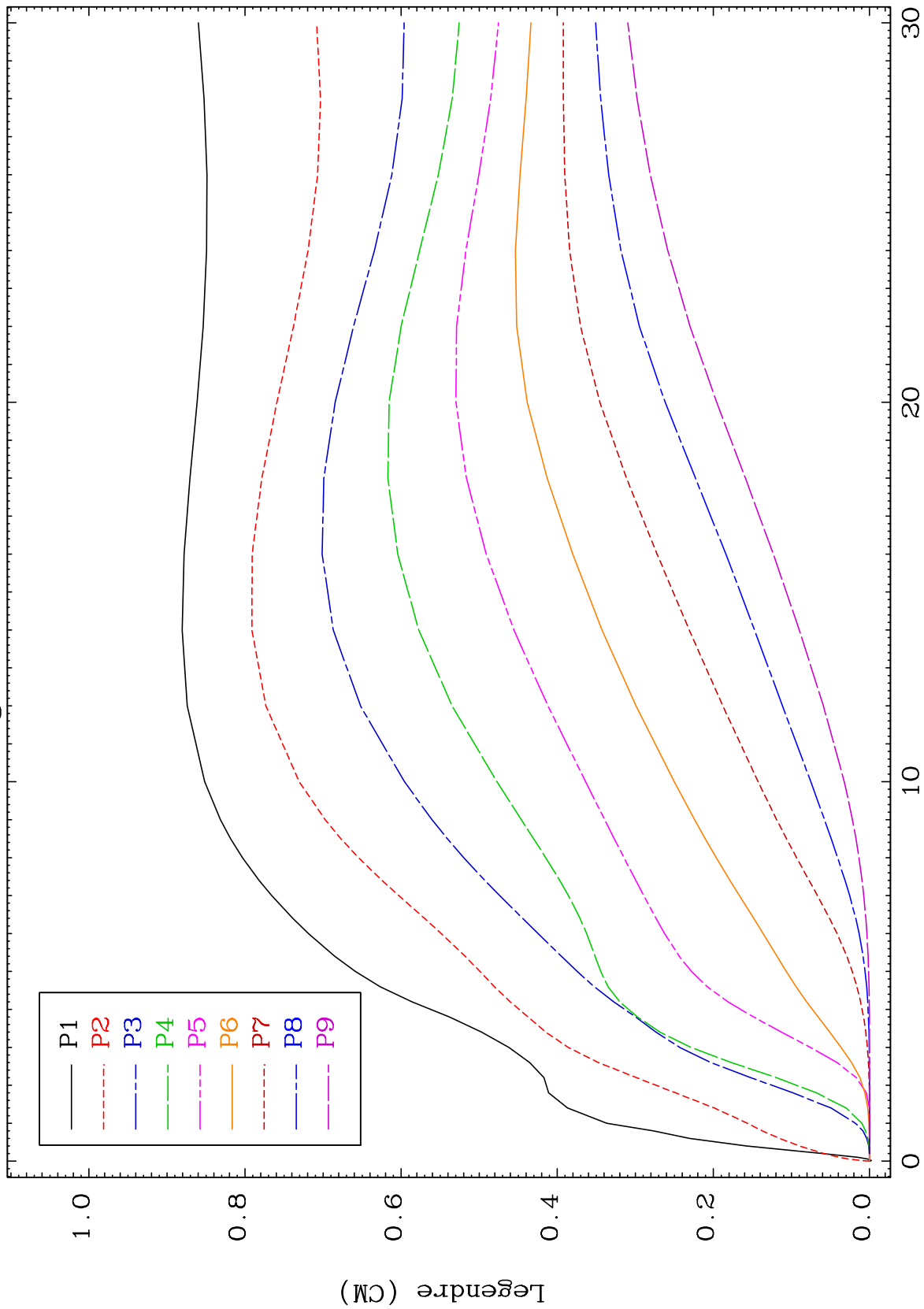




MAT 3825

Elastic Legendre Coefficients

<sup>38</sup>Sr-84



15

Incident Energy (MeV)

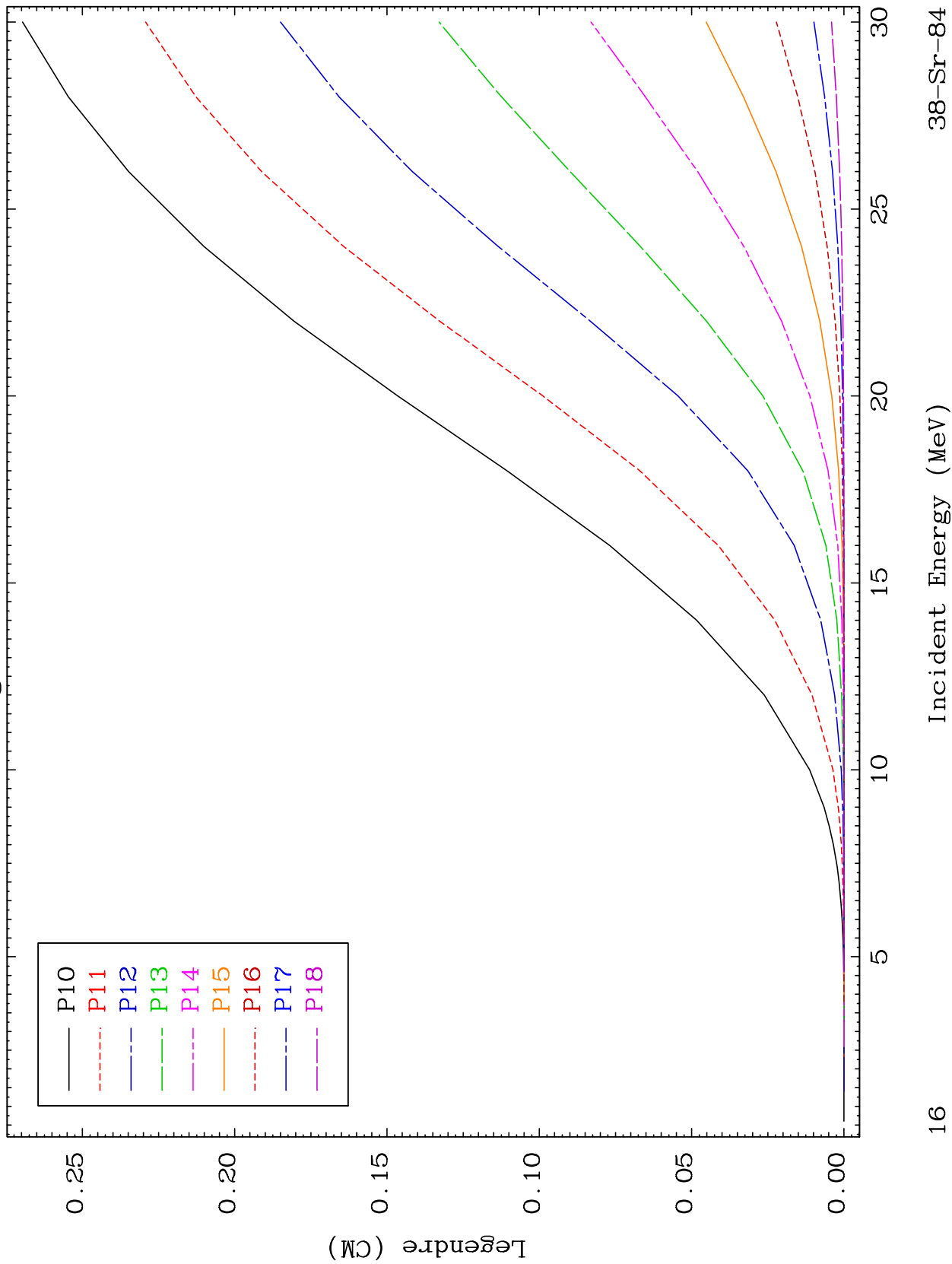
<sup>38</sup>Sr-84



MAT 3825

Elastic Legendre Coefficients

<sup>38</sup>Sr-84



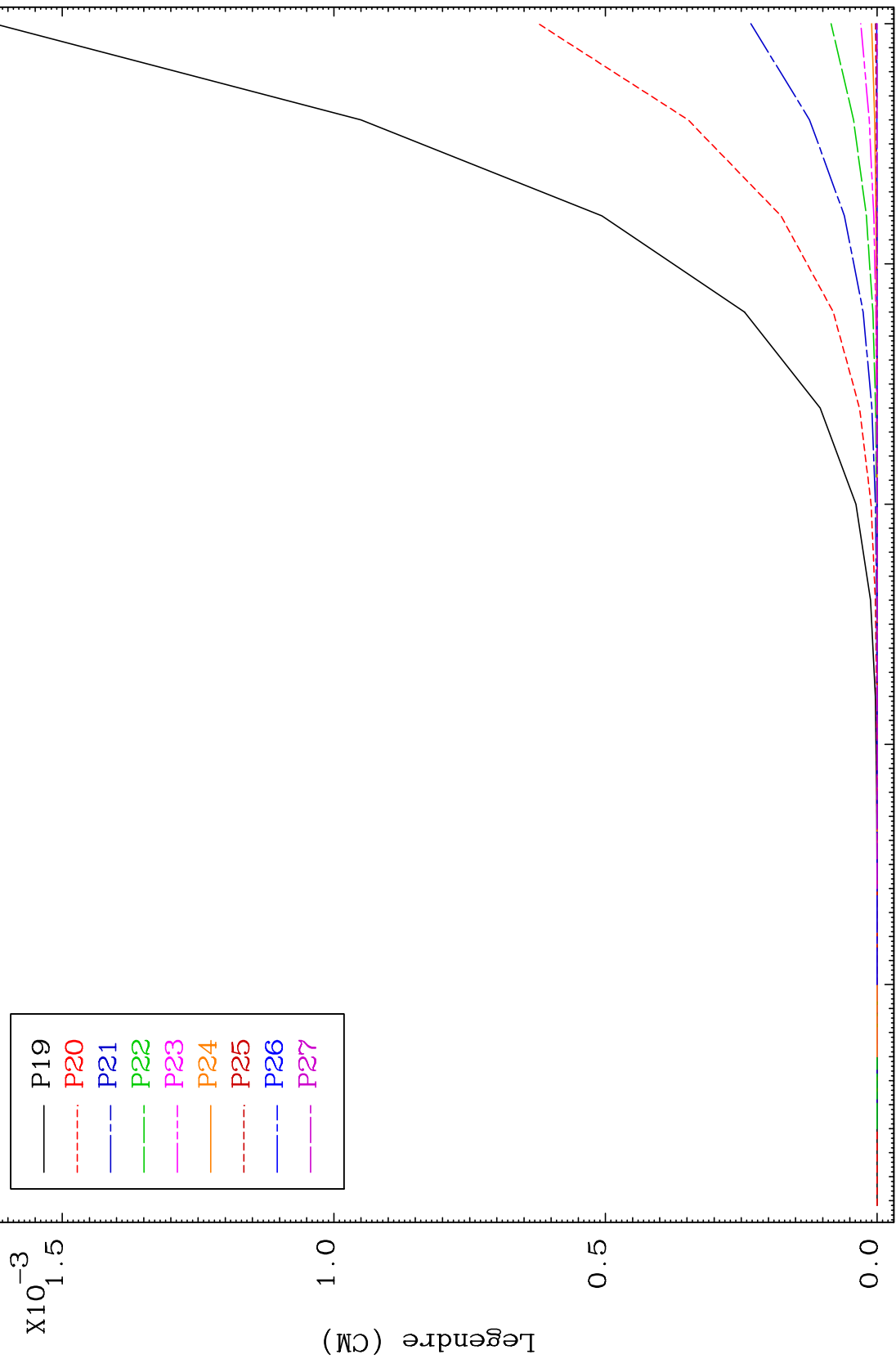
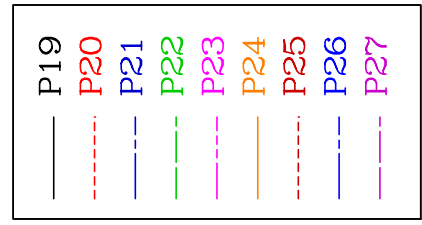
16

<sup>38</sup>Sr-84

MAT 3825

### Elastic Legendre Coefficients

38-Sr-84



17

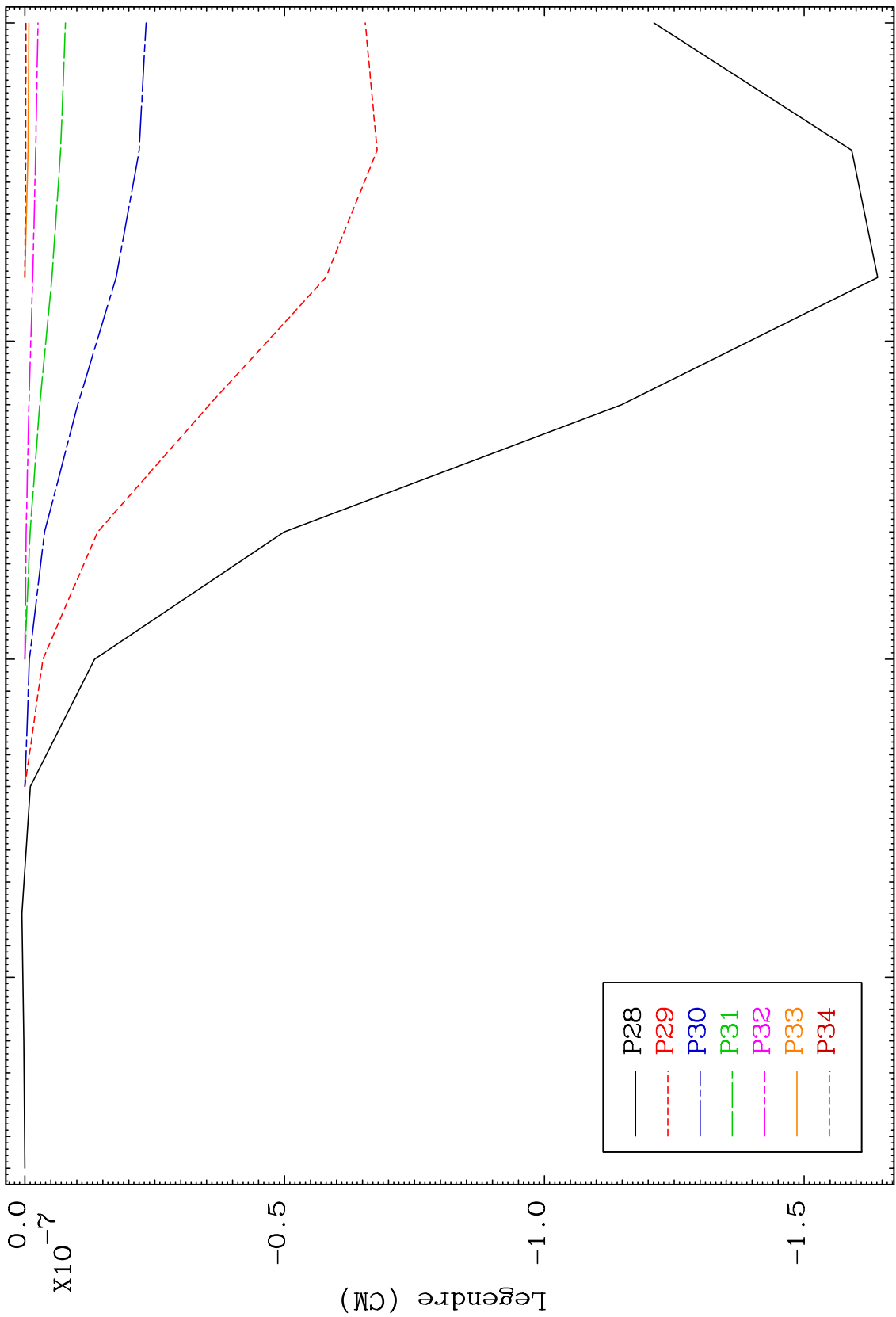
Incident Energy (MeV)

38-Sr-84

MAT 3825

38-Sr-84

Elastic Legendre Coefficients



18

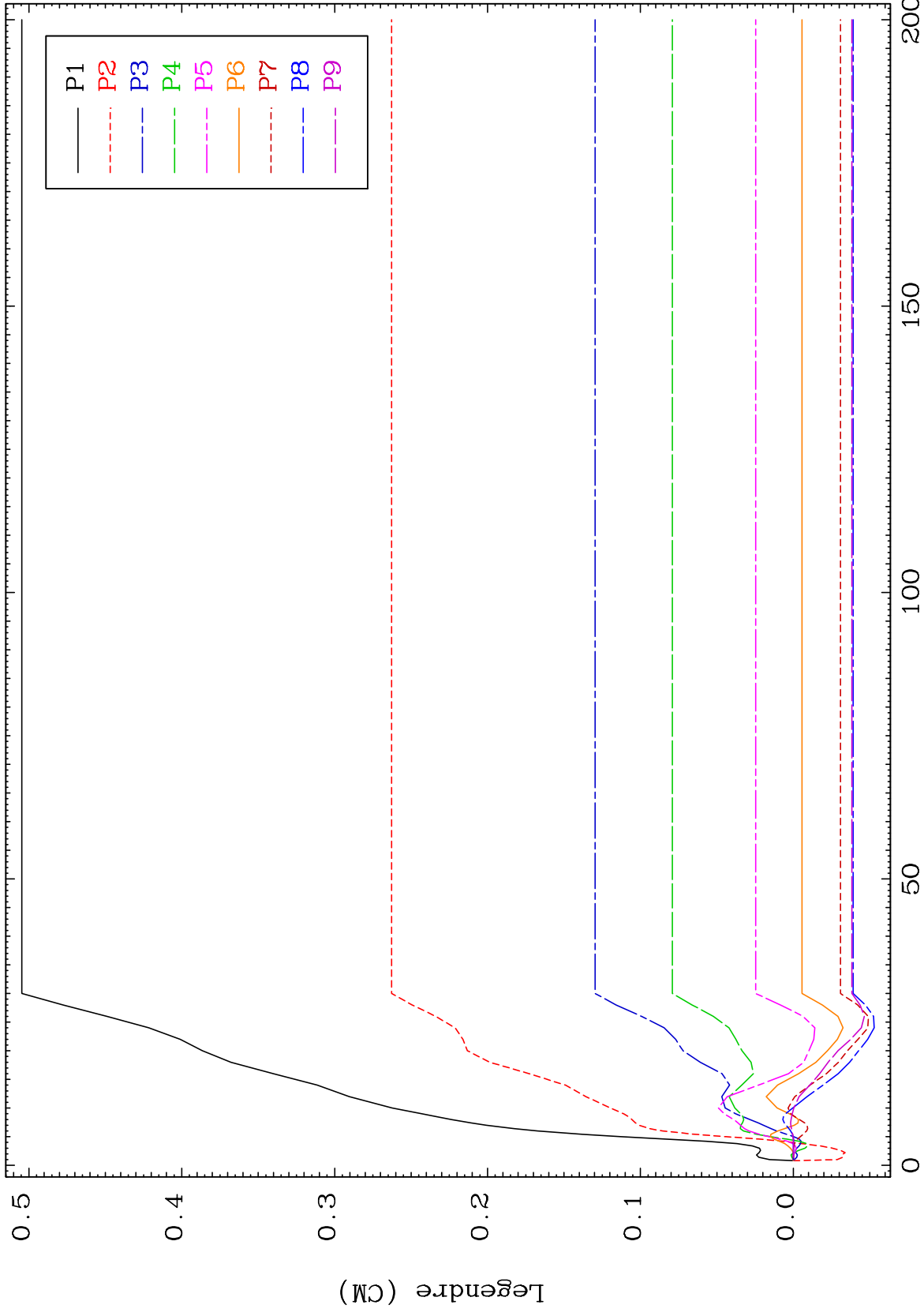
Incident Energy (MeV)

38-Sr-84

MAT 3825

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

38-Sr-84



19

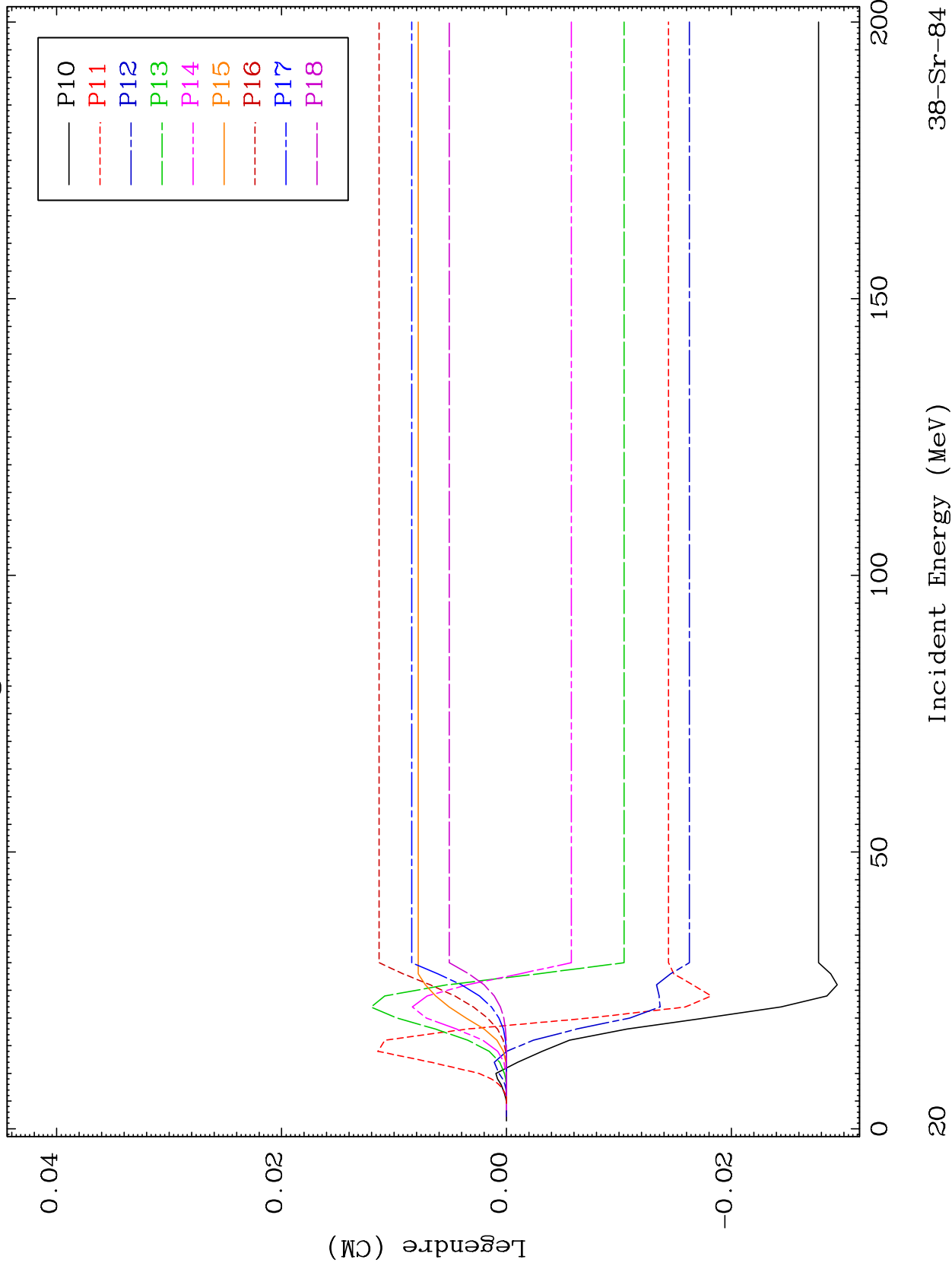
Incident Energy (MeV)

38-Sr-84

MAT 3825

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

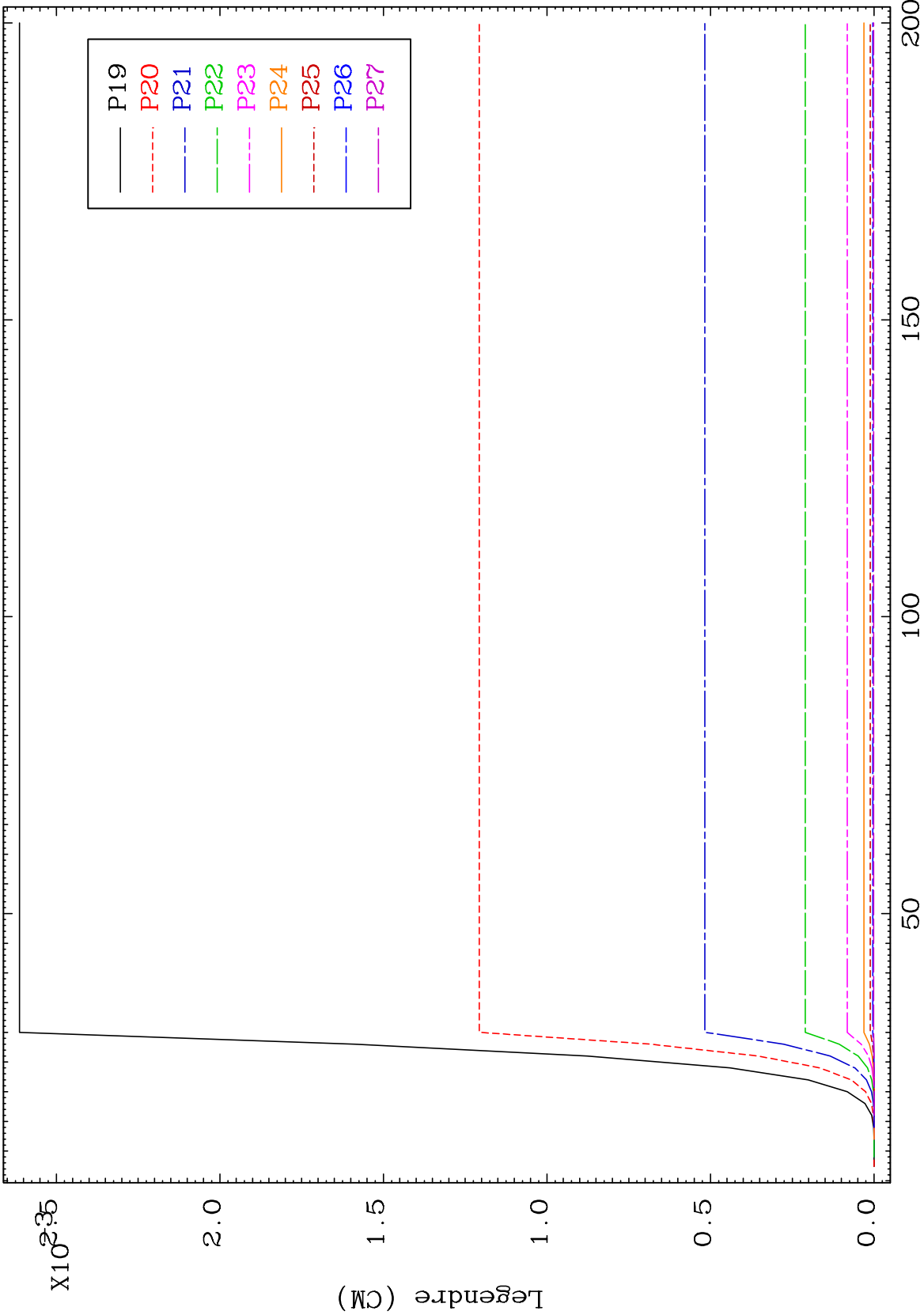
38-Sr-84



MAT 3825

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

38-Sr-84



21

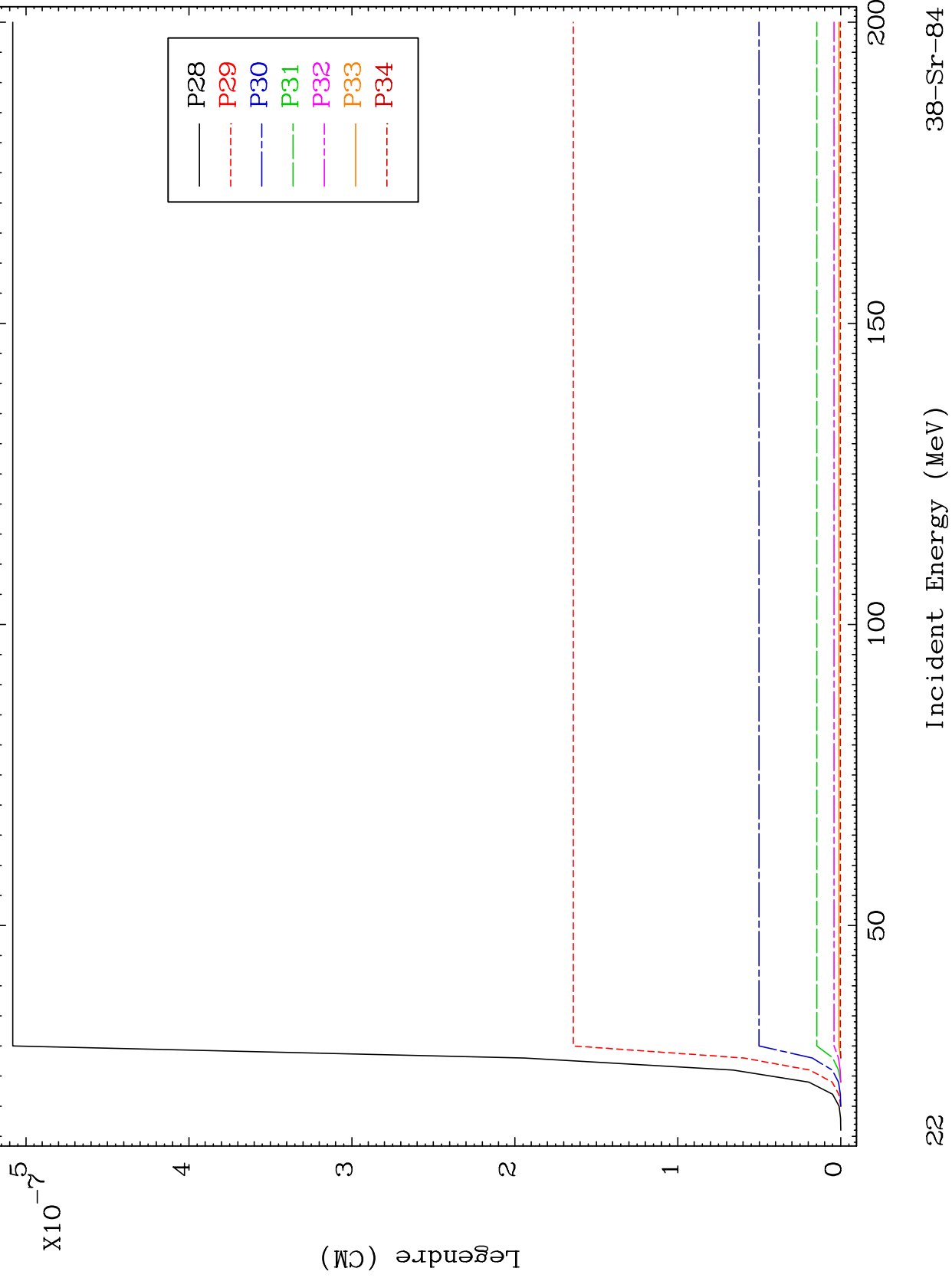
Incident Energy (MeV)

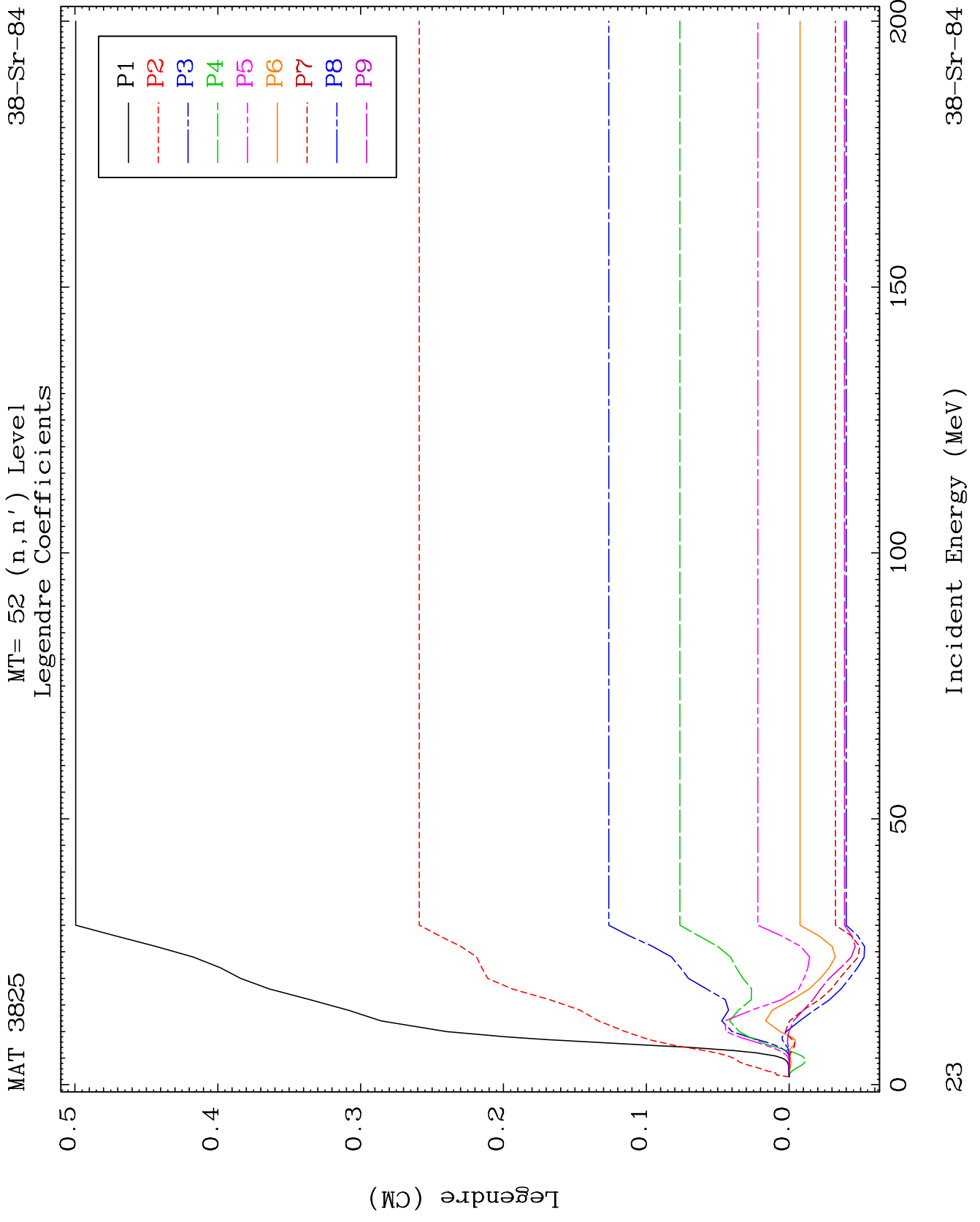
38-Sr-84

MAT 3825

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

38-Sr-84



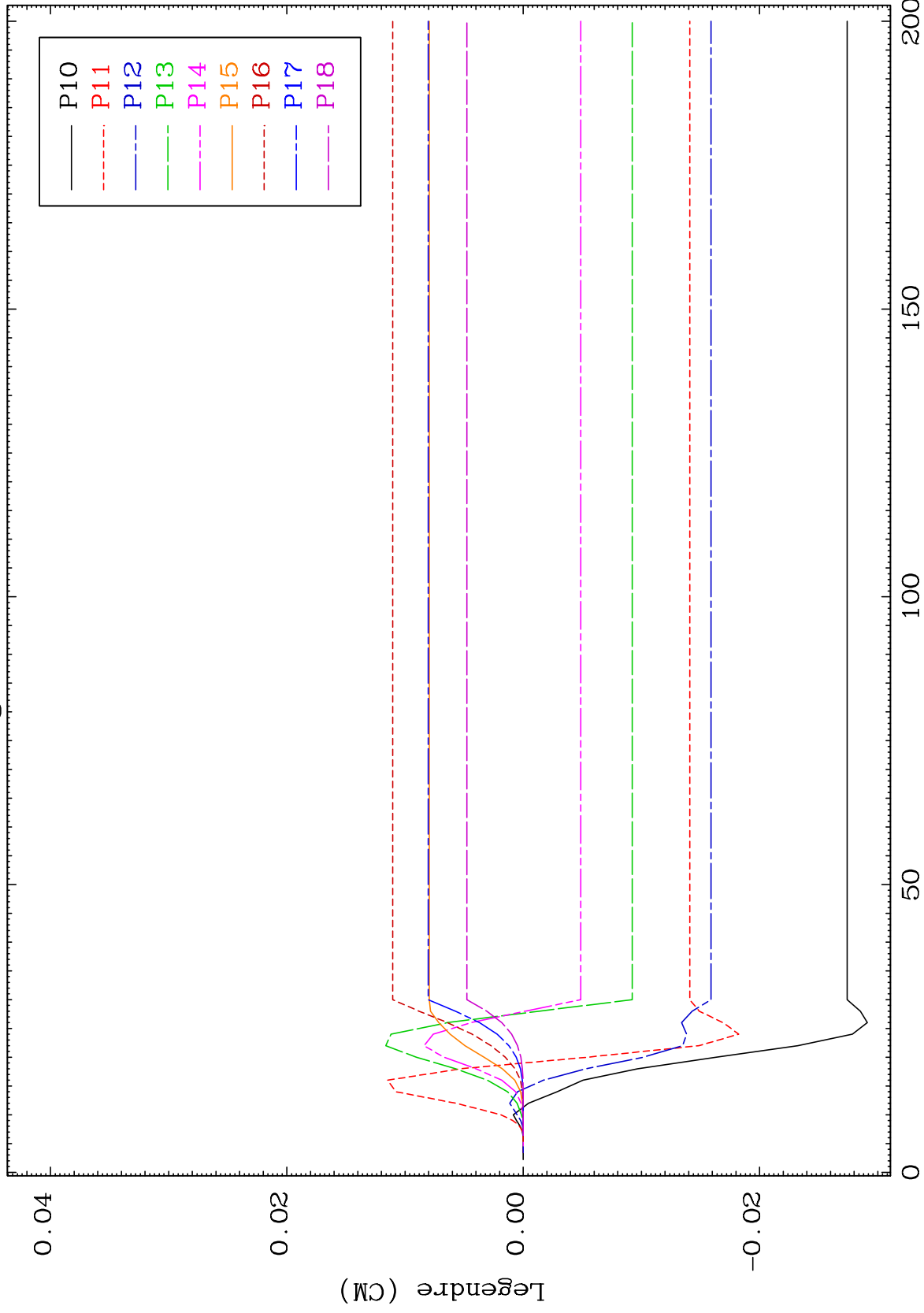




MAT 3825

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

38-Sr-84



24

Incident Energy (MeV)

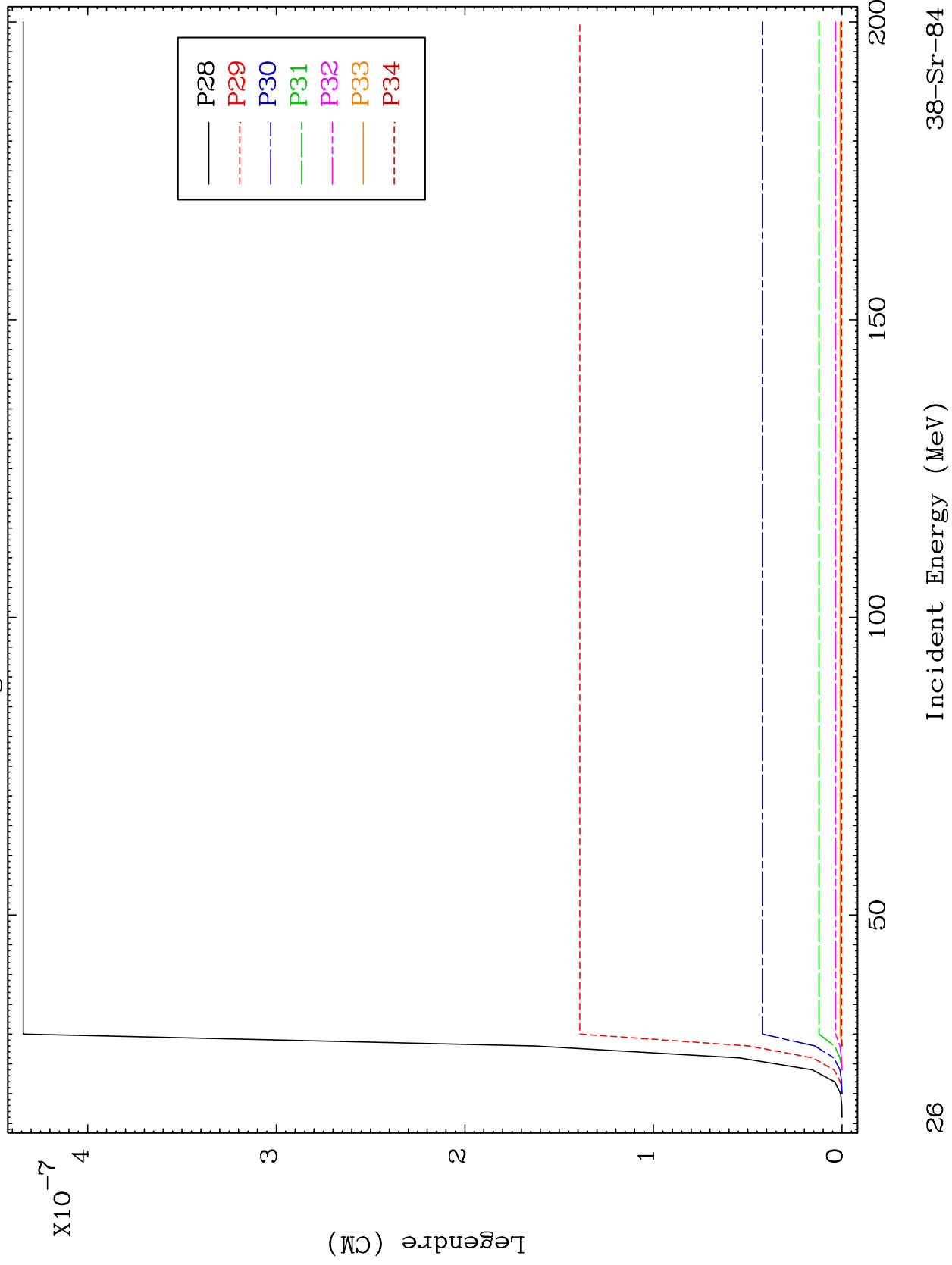
38-Sr-84



MAT 3825

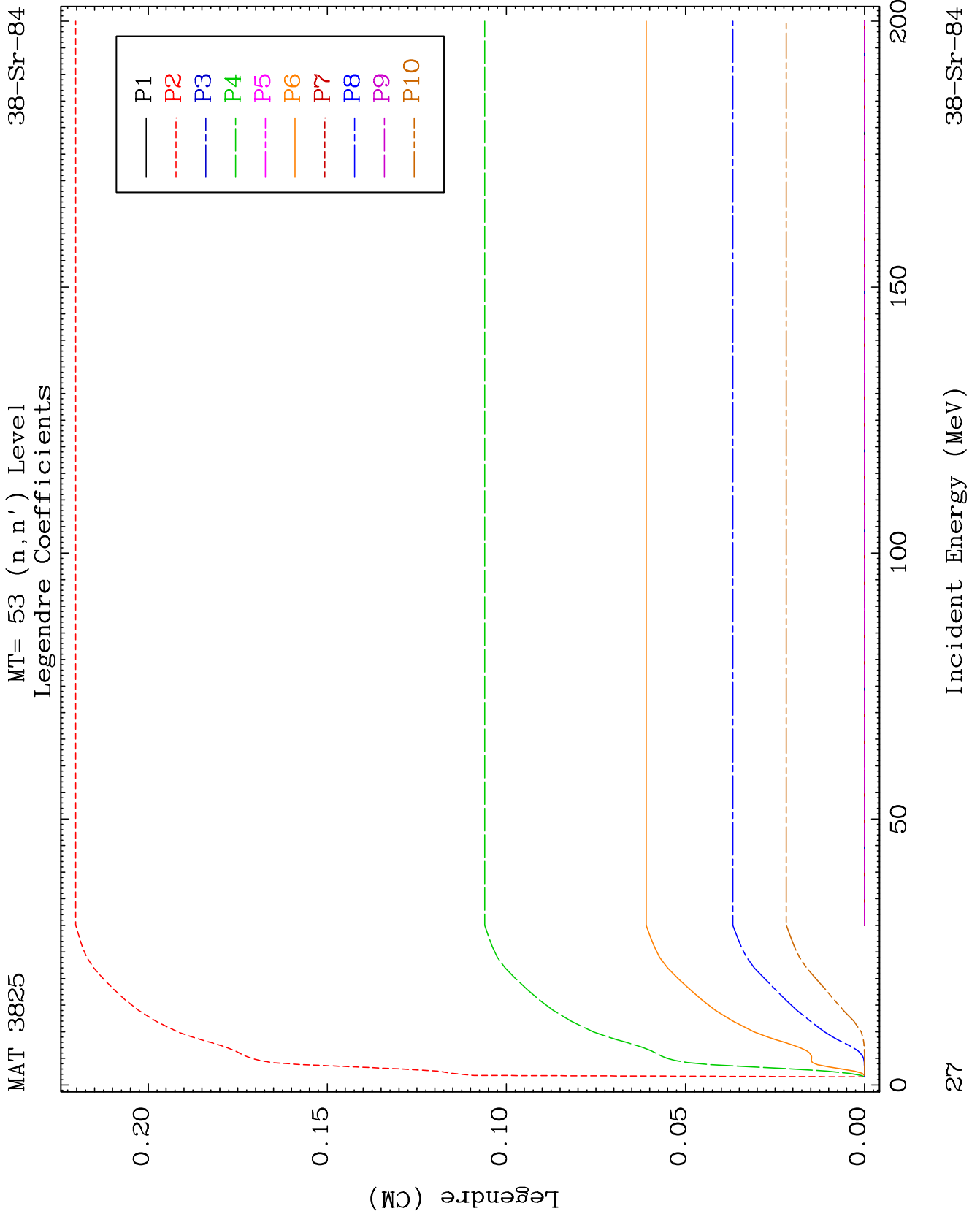
MT= 52 (n,n') Level  
Legendre Coefficients

38-Sr-84



26

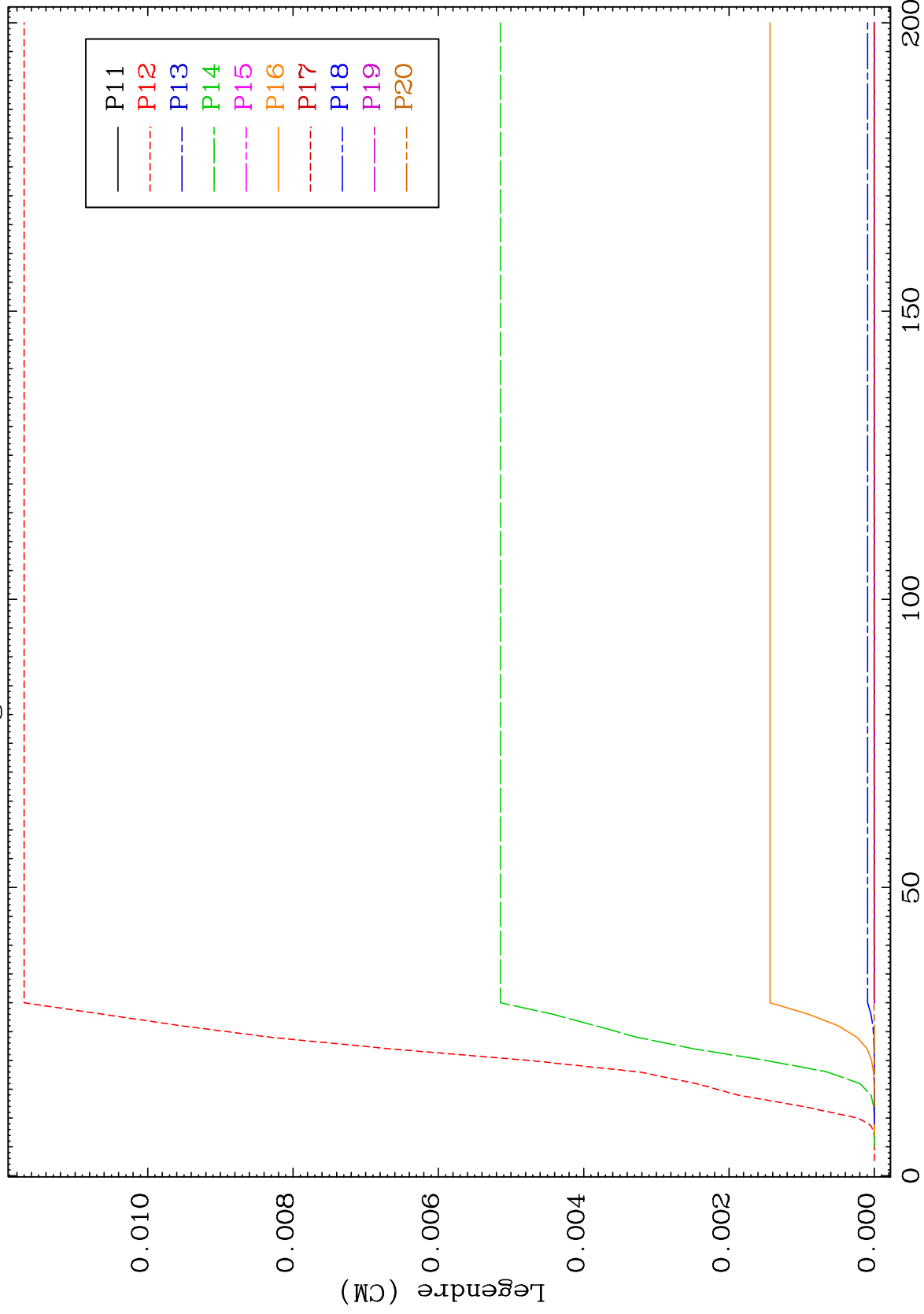
38-Sr-84



MAT 3825

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

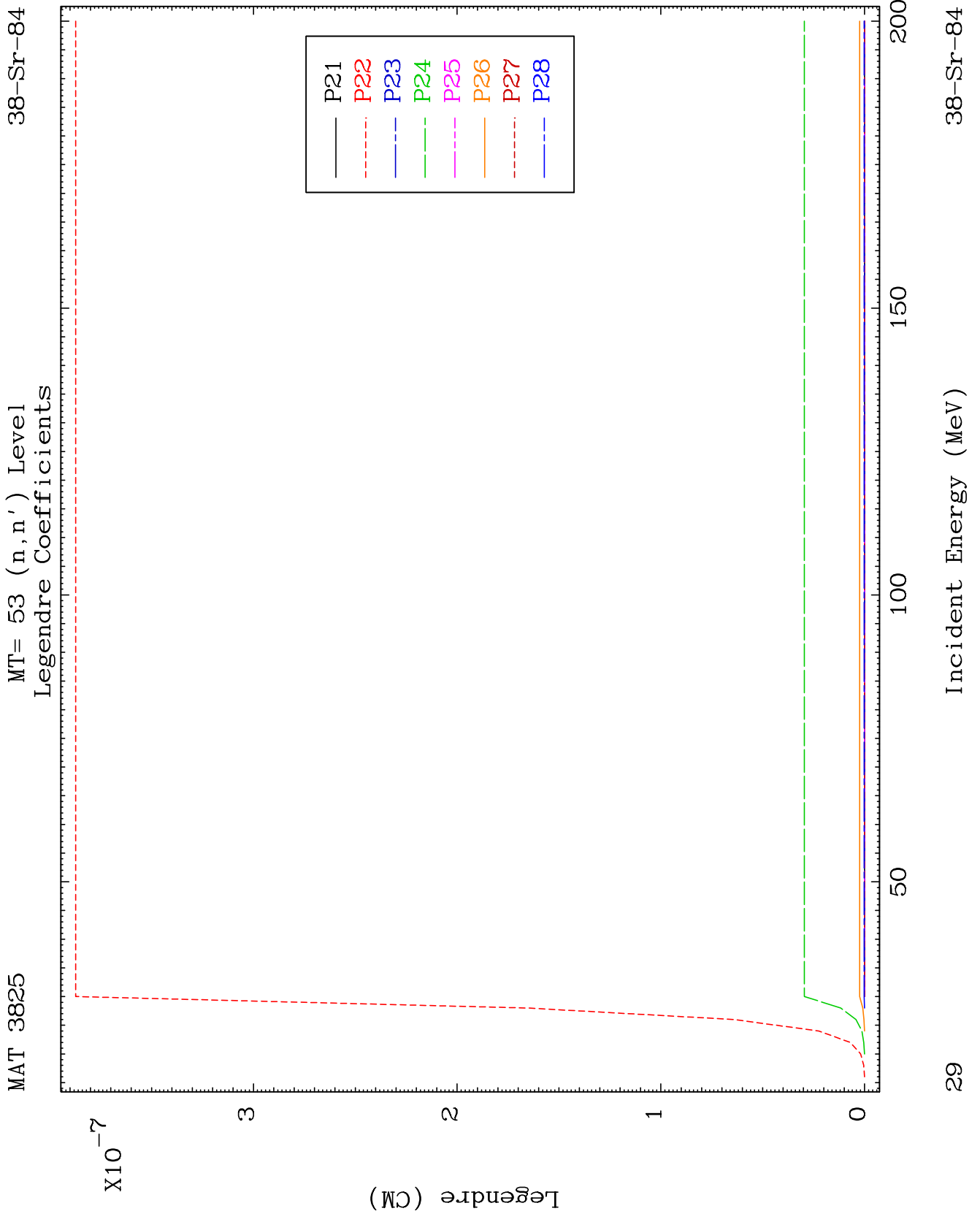
38-Sr-84



28

Incident Energy (MeV)

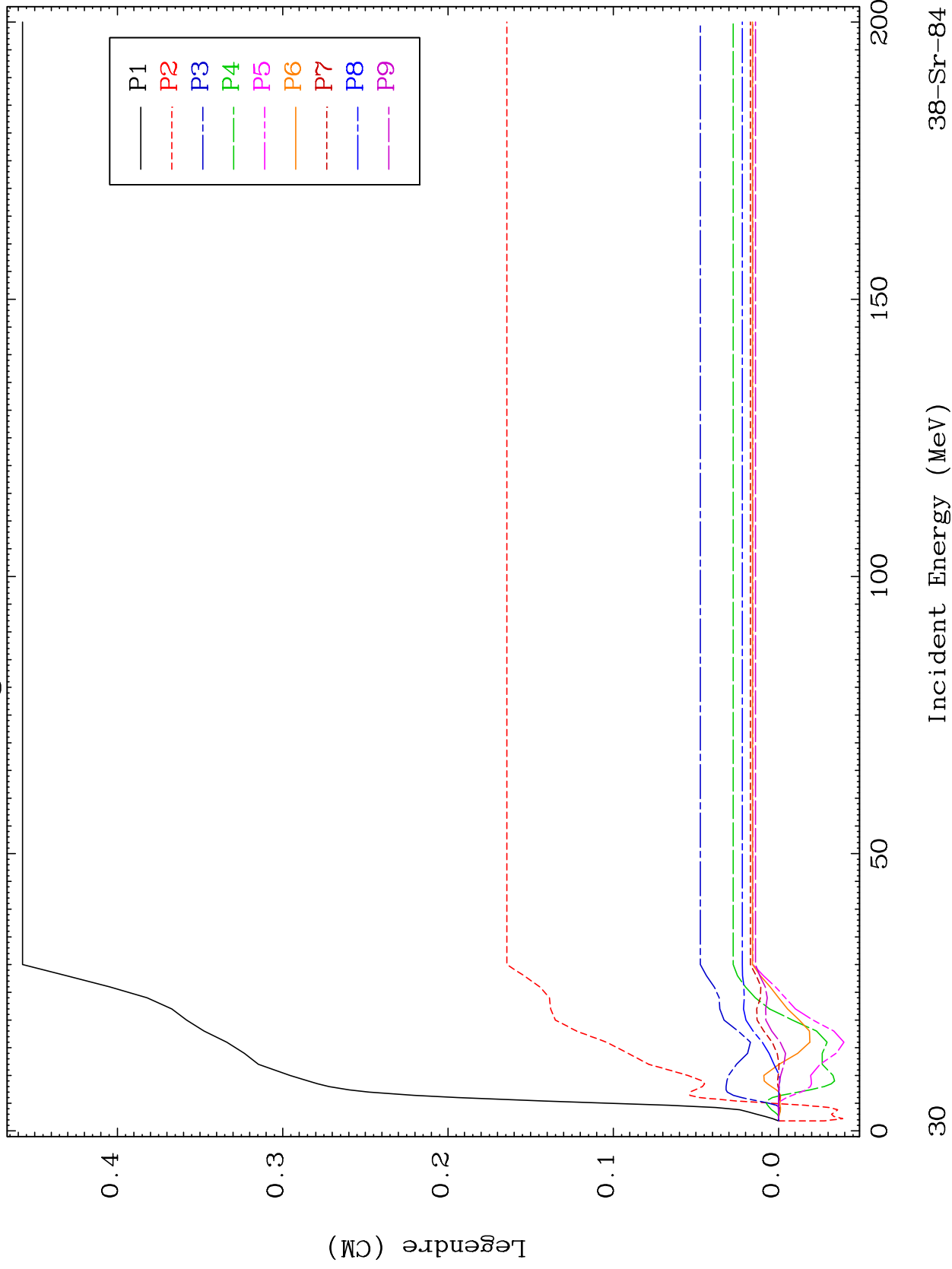
38-Sr-84

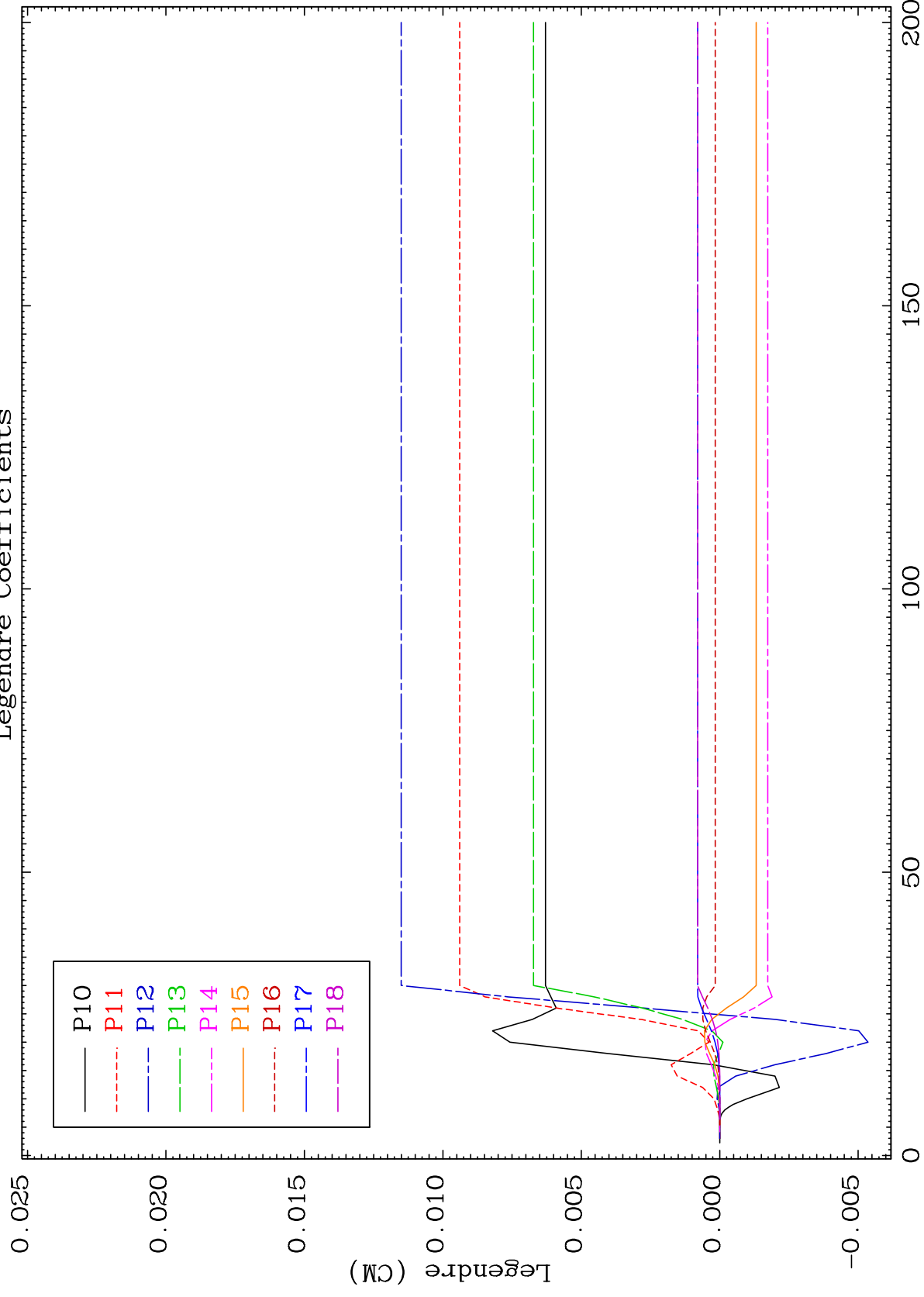


MAT 3825

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

38-Sr-84



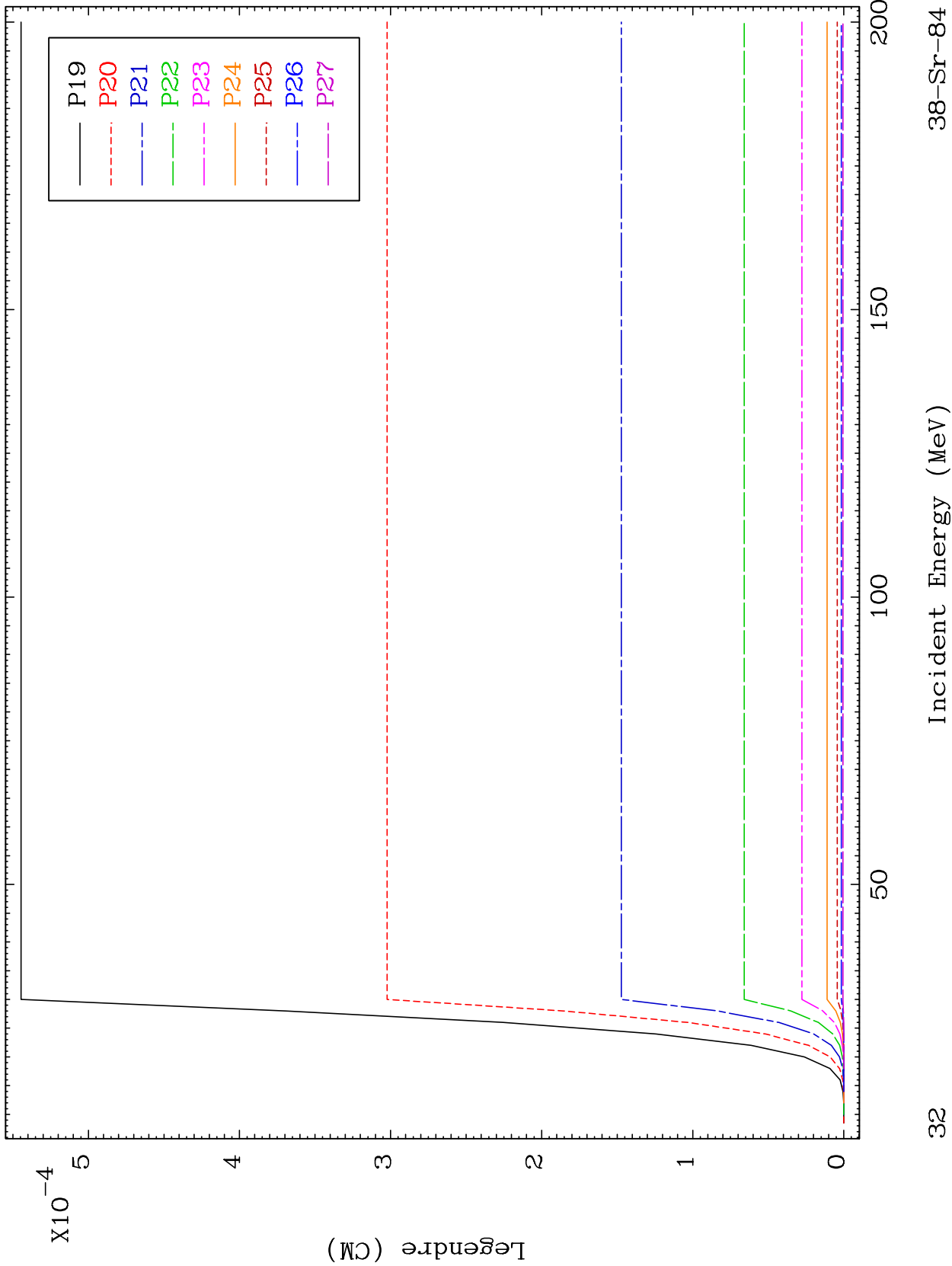




MAT 3825

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

38-Sr-84



32

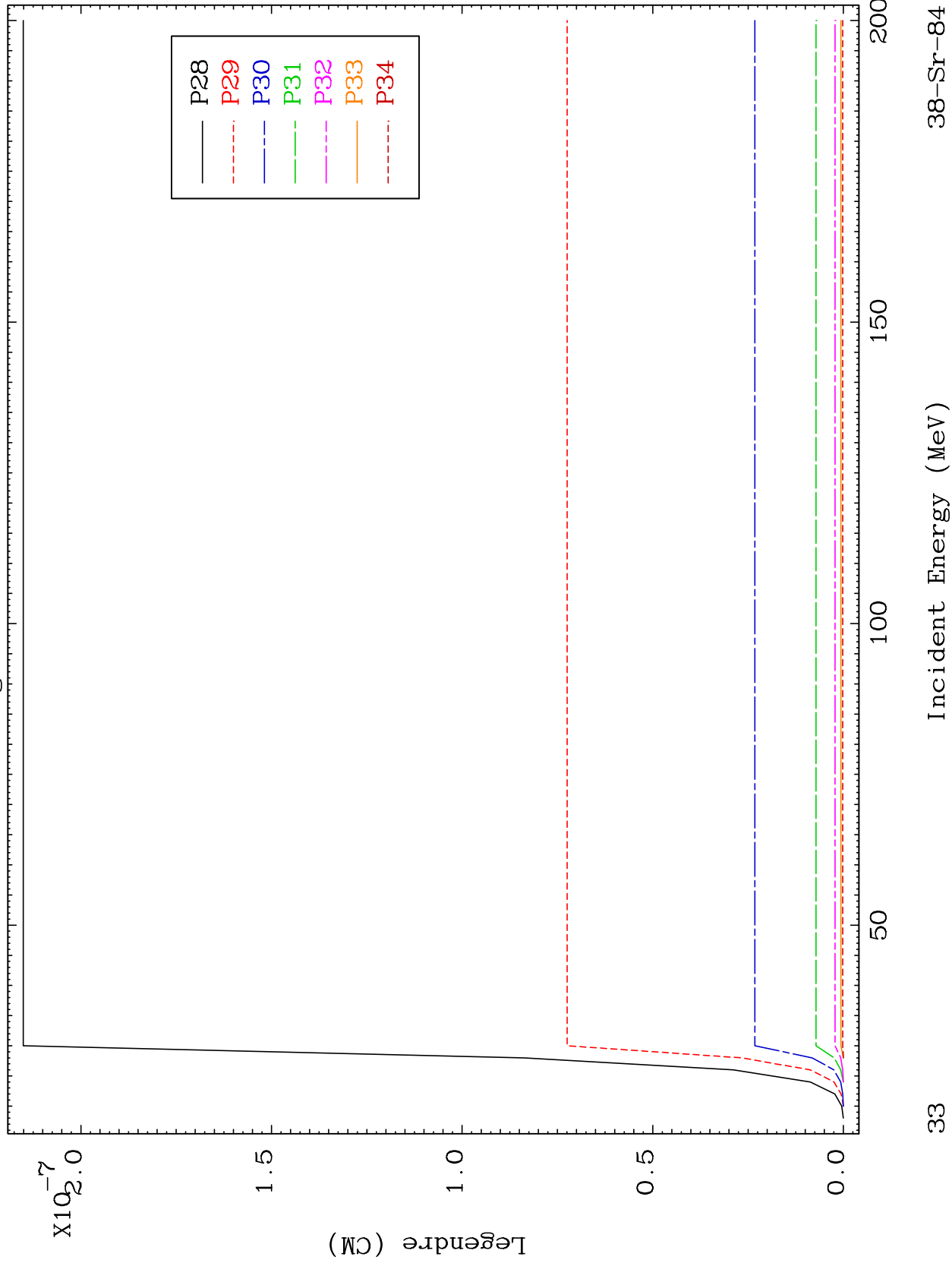
Incident Energy (MeV)

38-Sr-84

MAT 3825

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

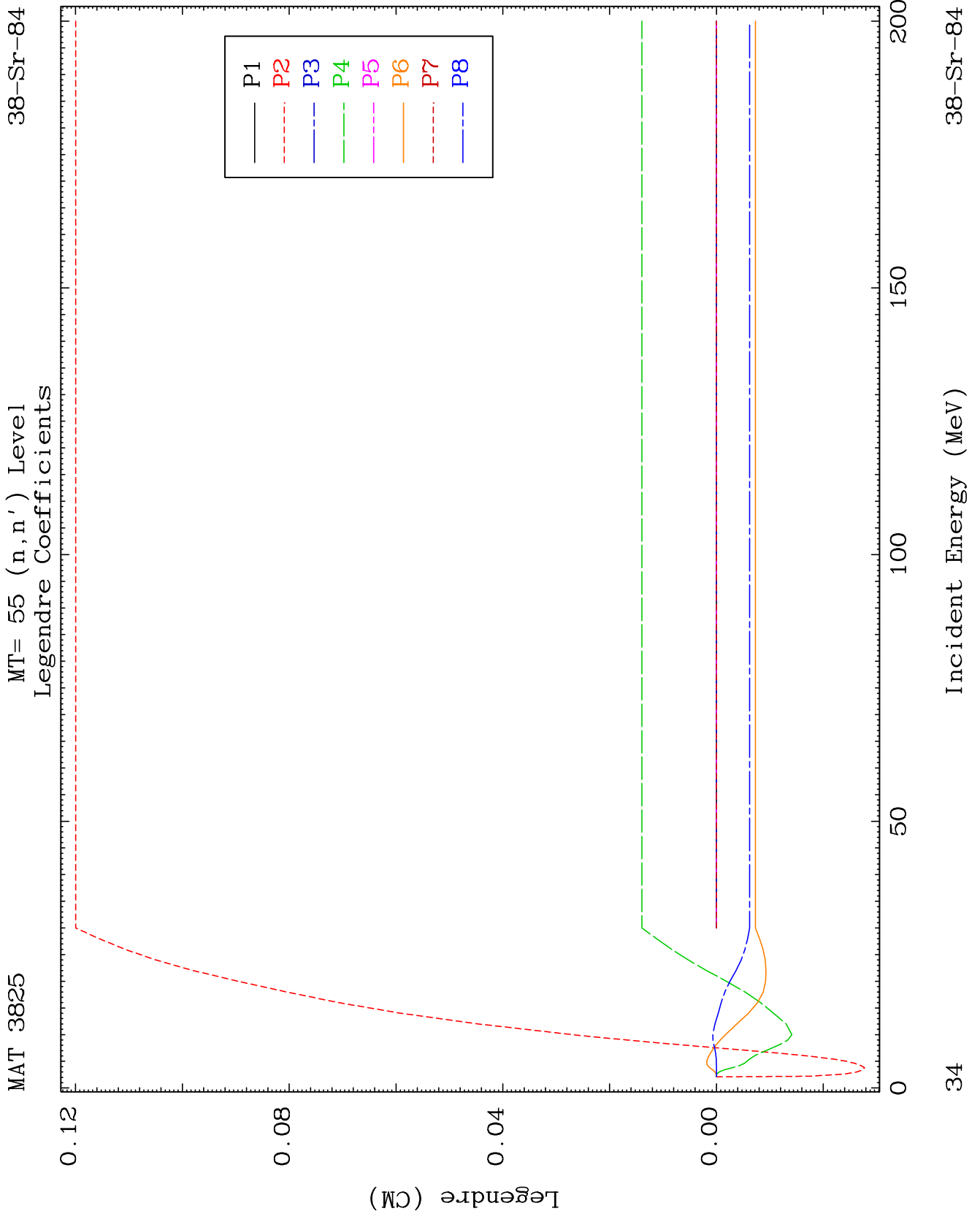
38-Sr-84



33

Incident Energy (MeV)

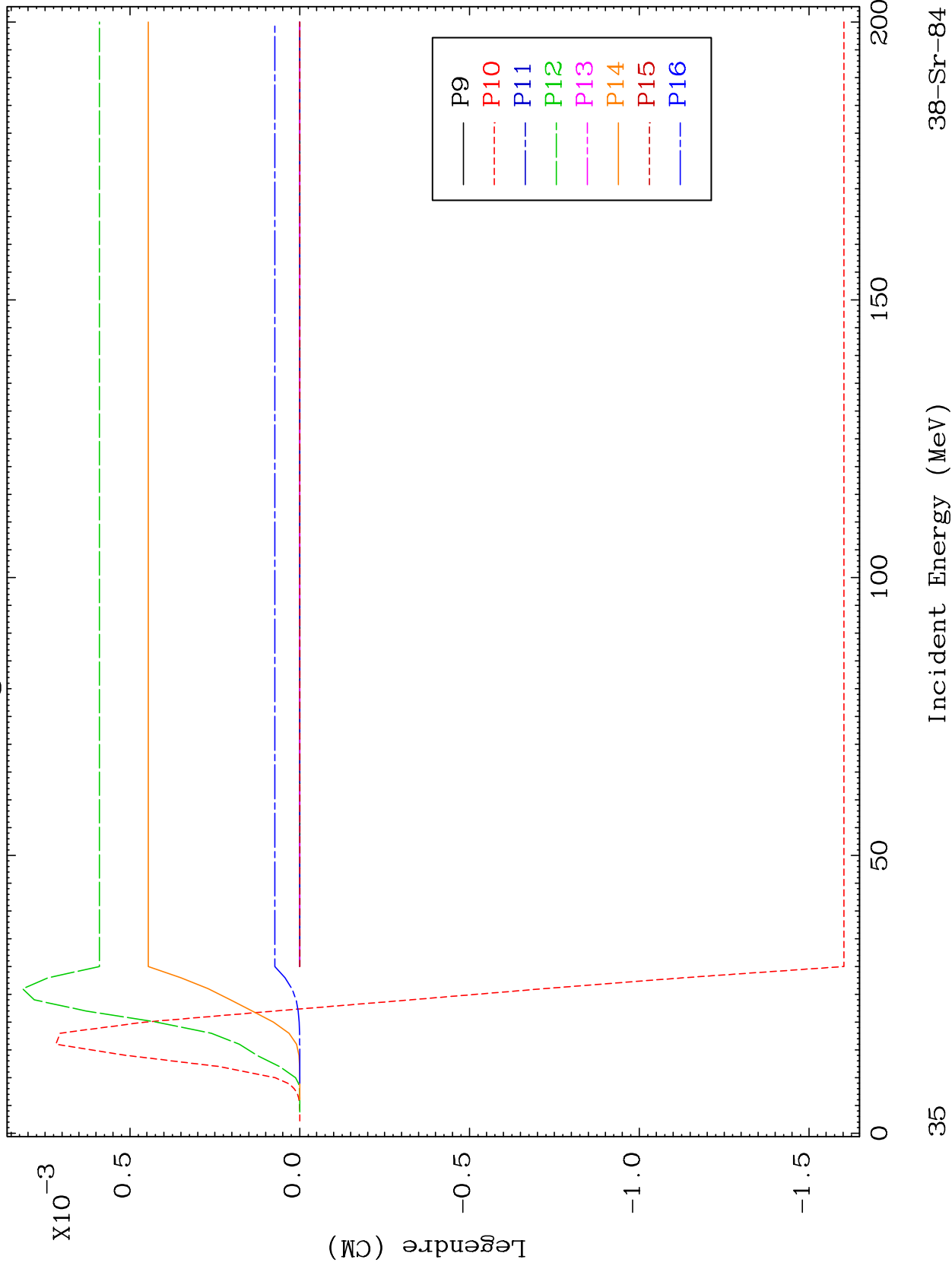
38-Sr-84



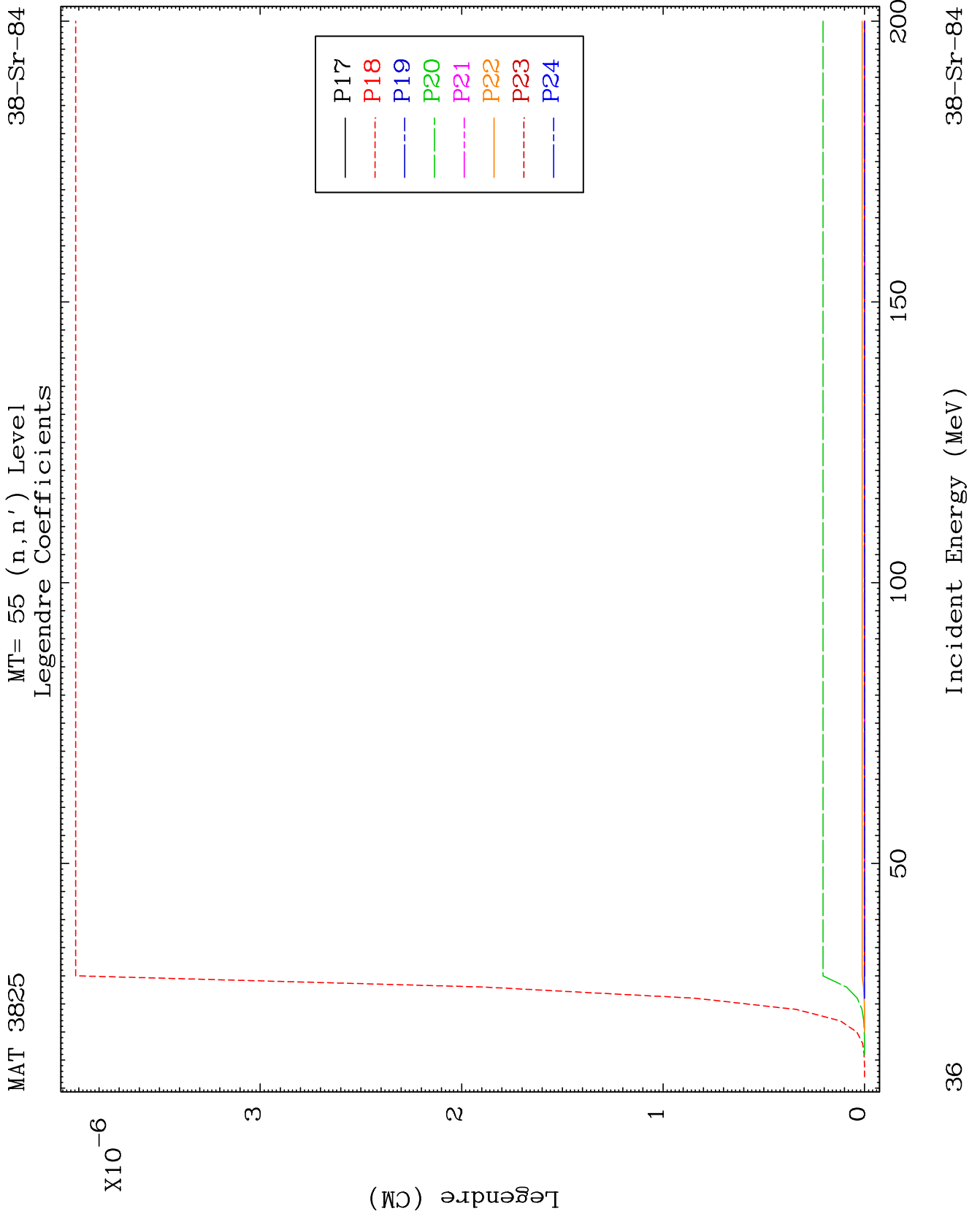
MAT 3825

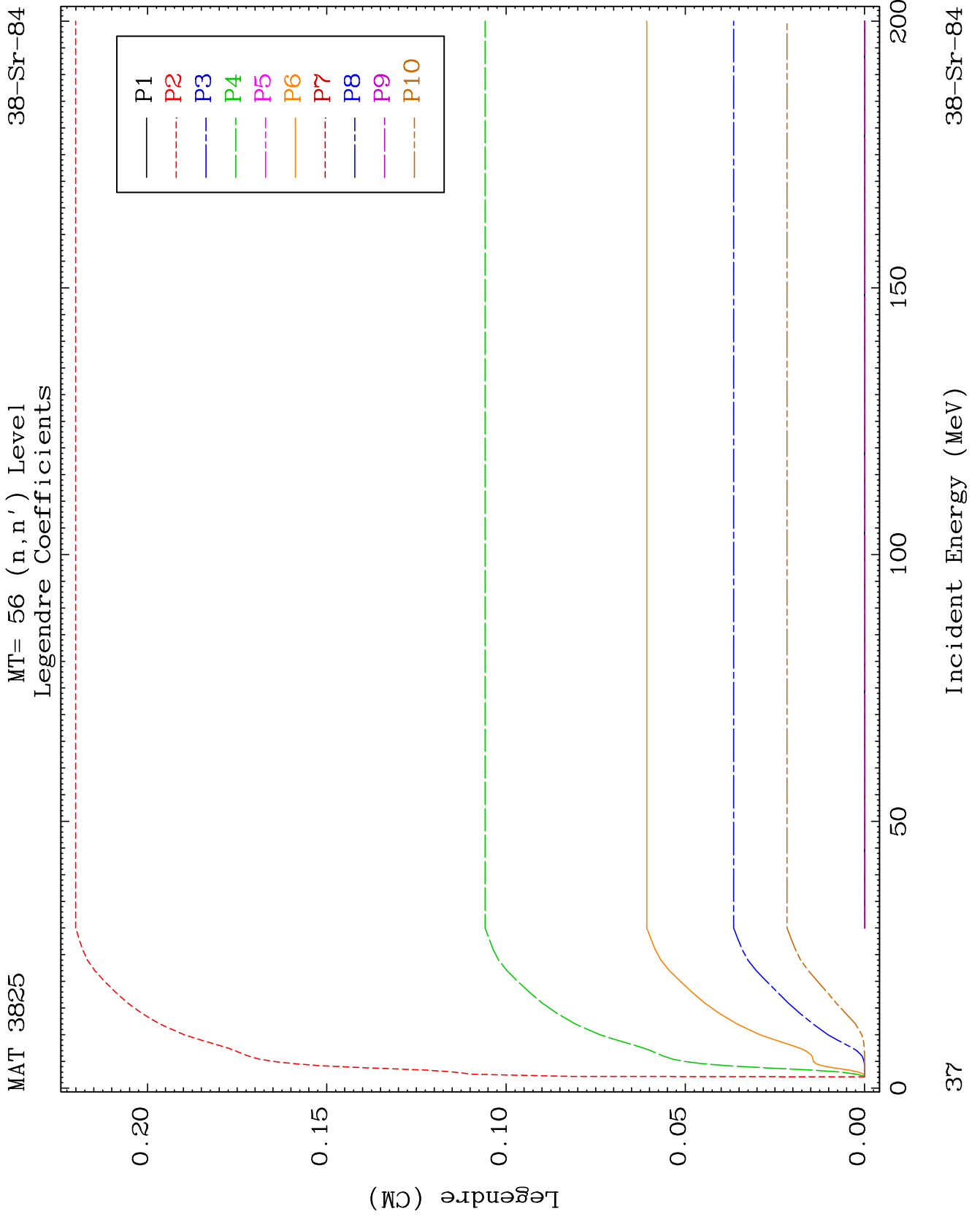
MT= 55 (n,n') Level  
Legendre Coefficients

38-Sr-84



38-Sr-84

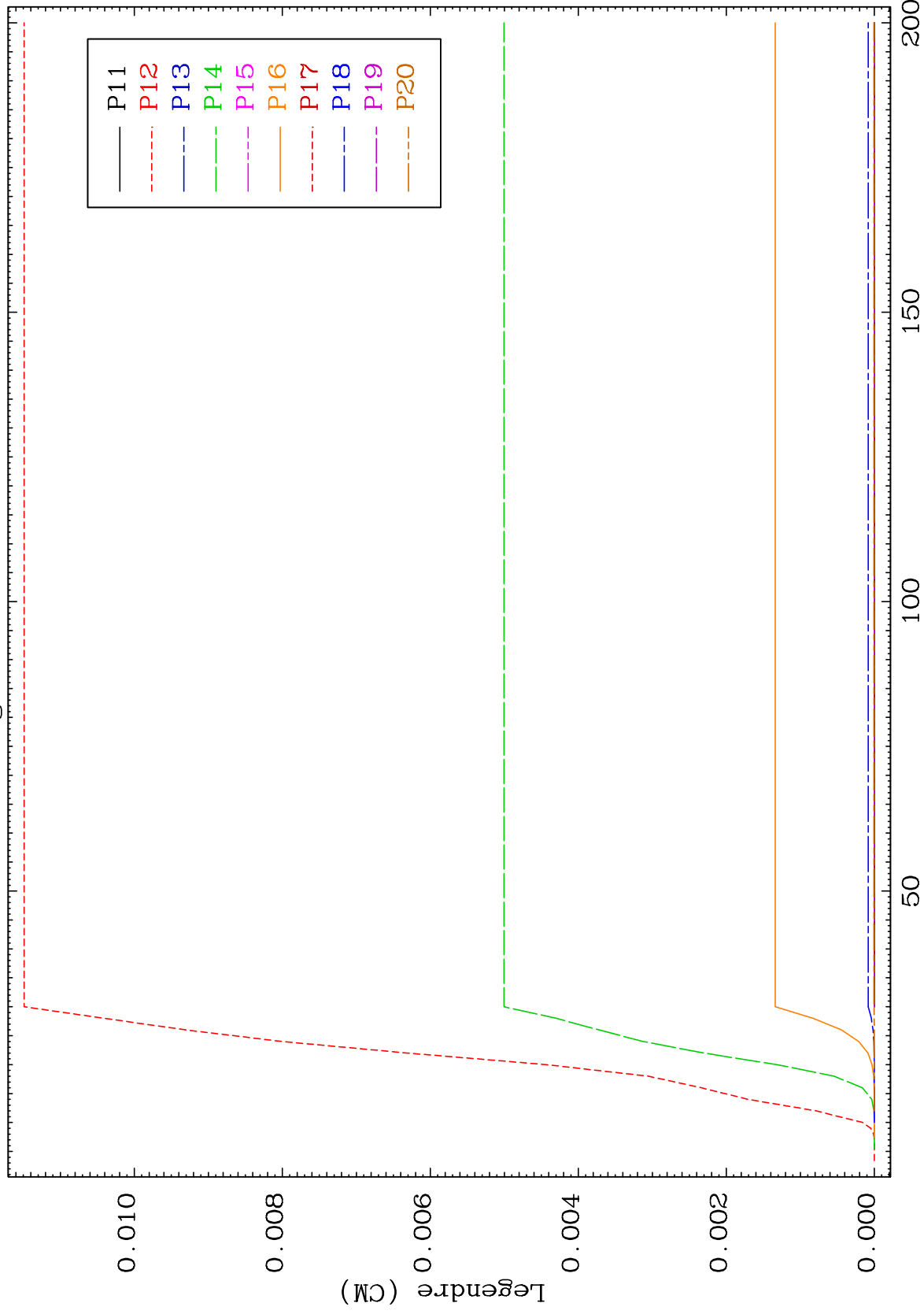




MAT 3825

38-Sr-84

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



38

Incident Energy (MeV)

38-Sr-84

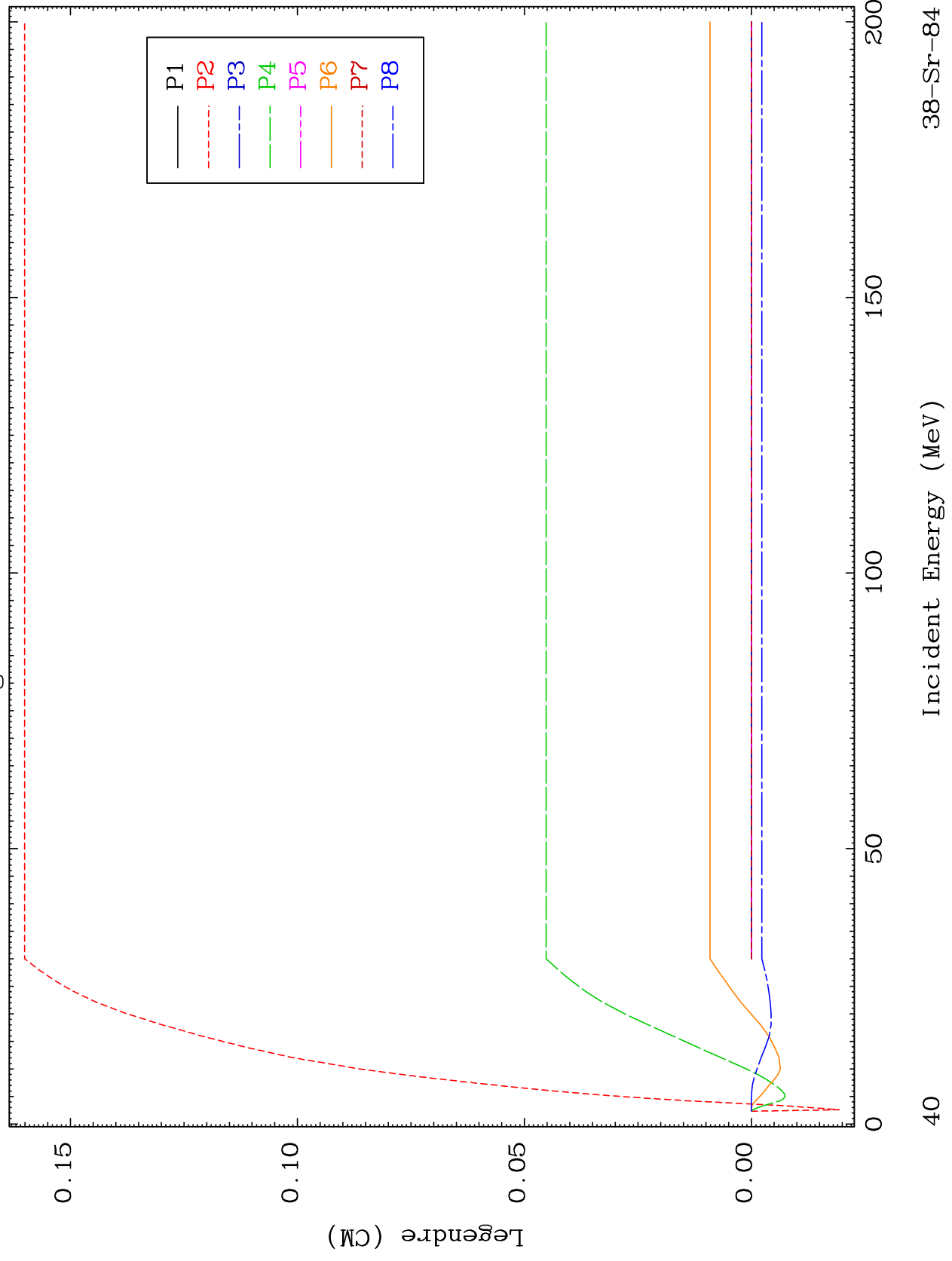


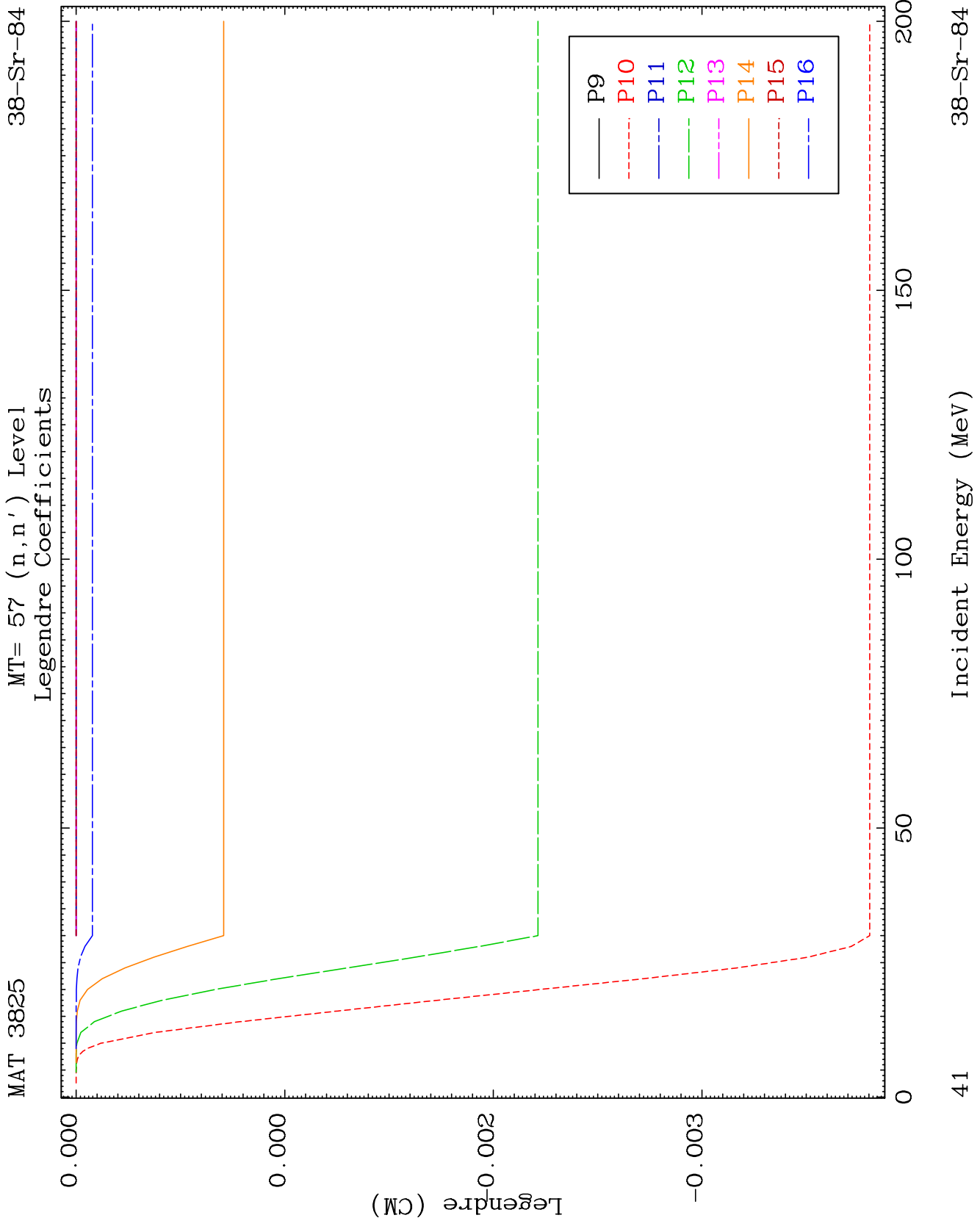


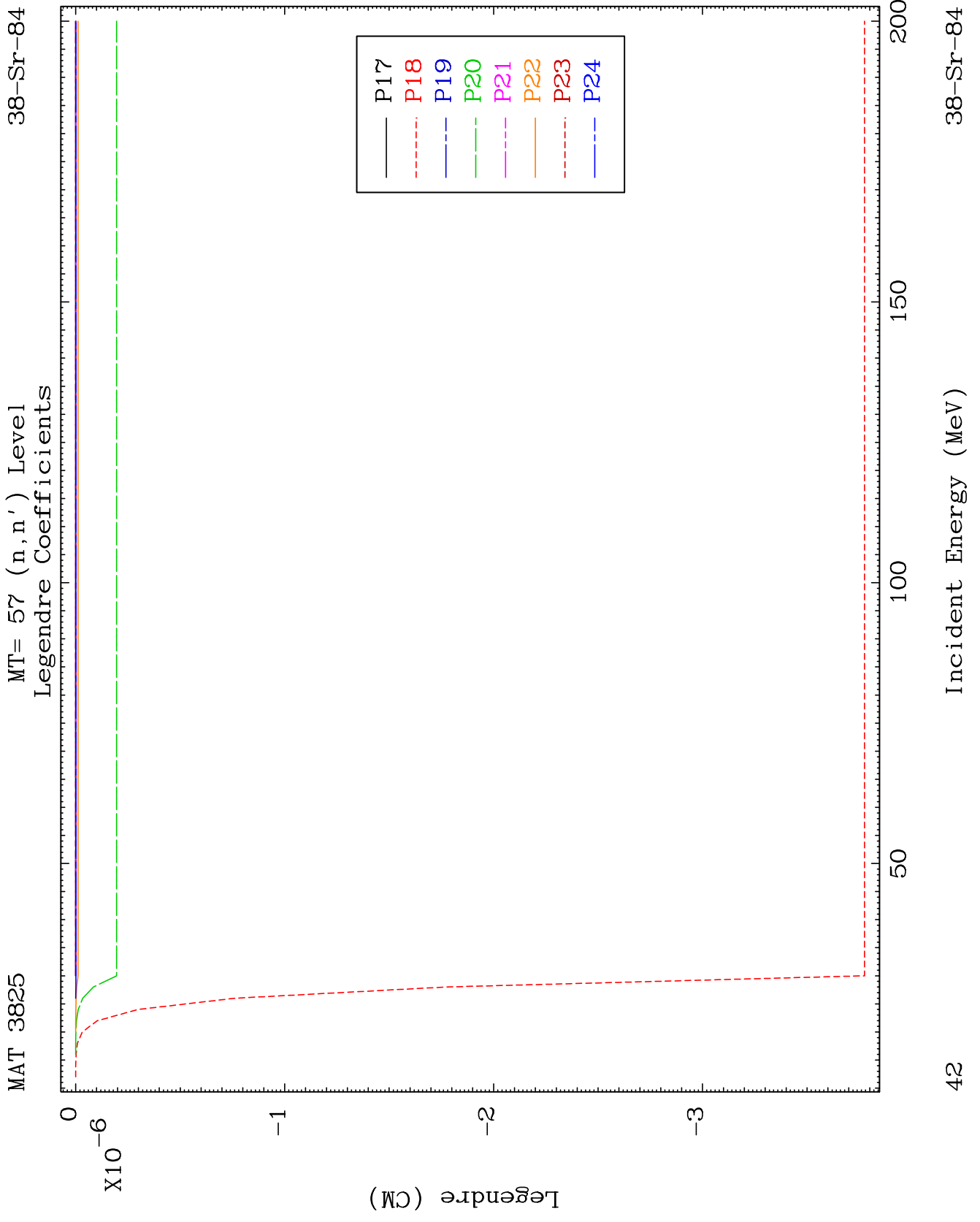
MAT 3825

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

38-Sr-84



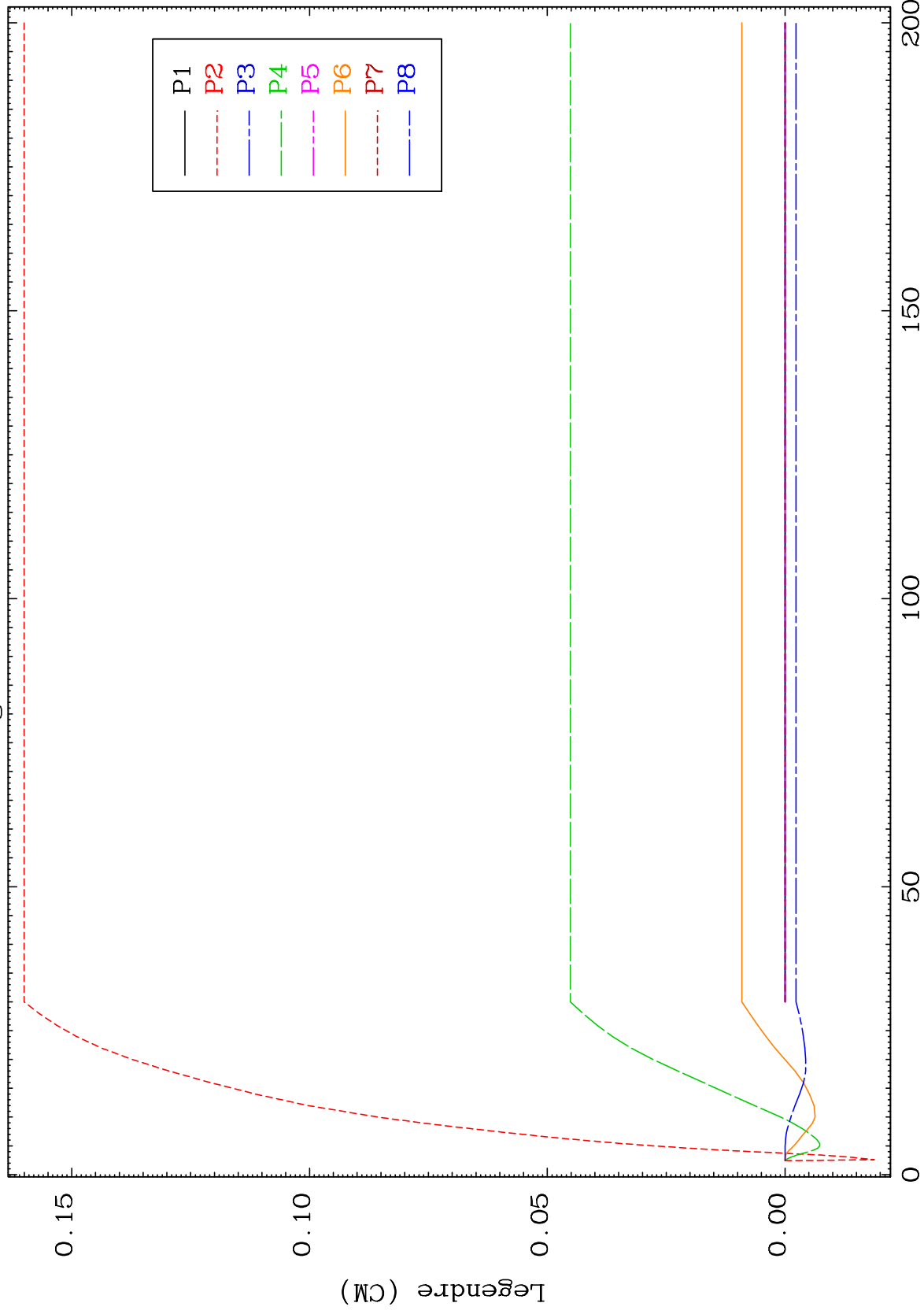




MAT 3825

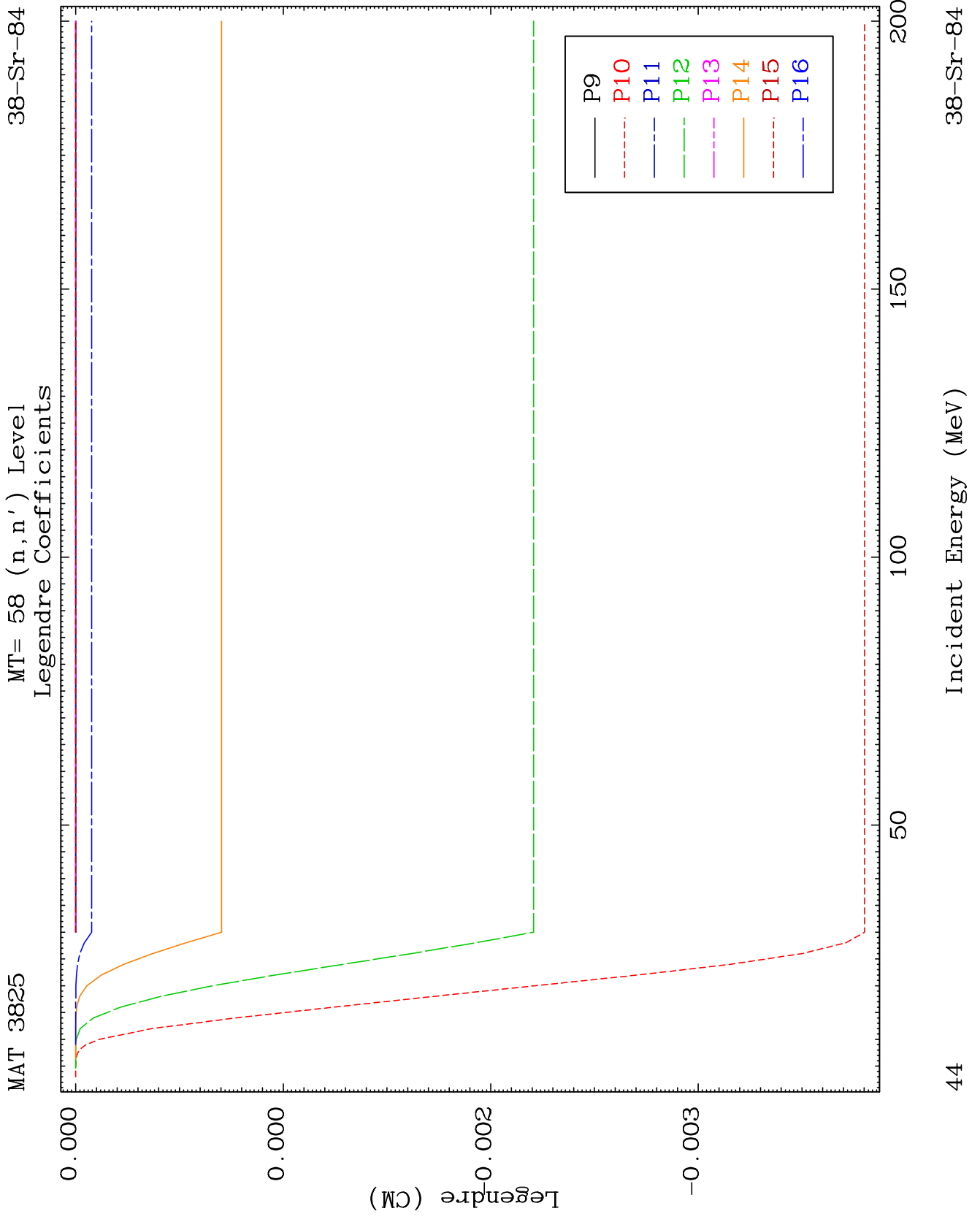
MT= 58 (n,n') Level  
Legendre Coefficients

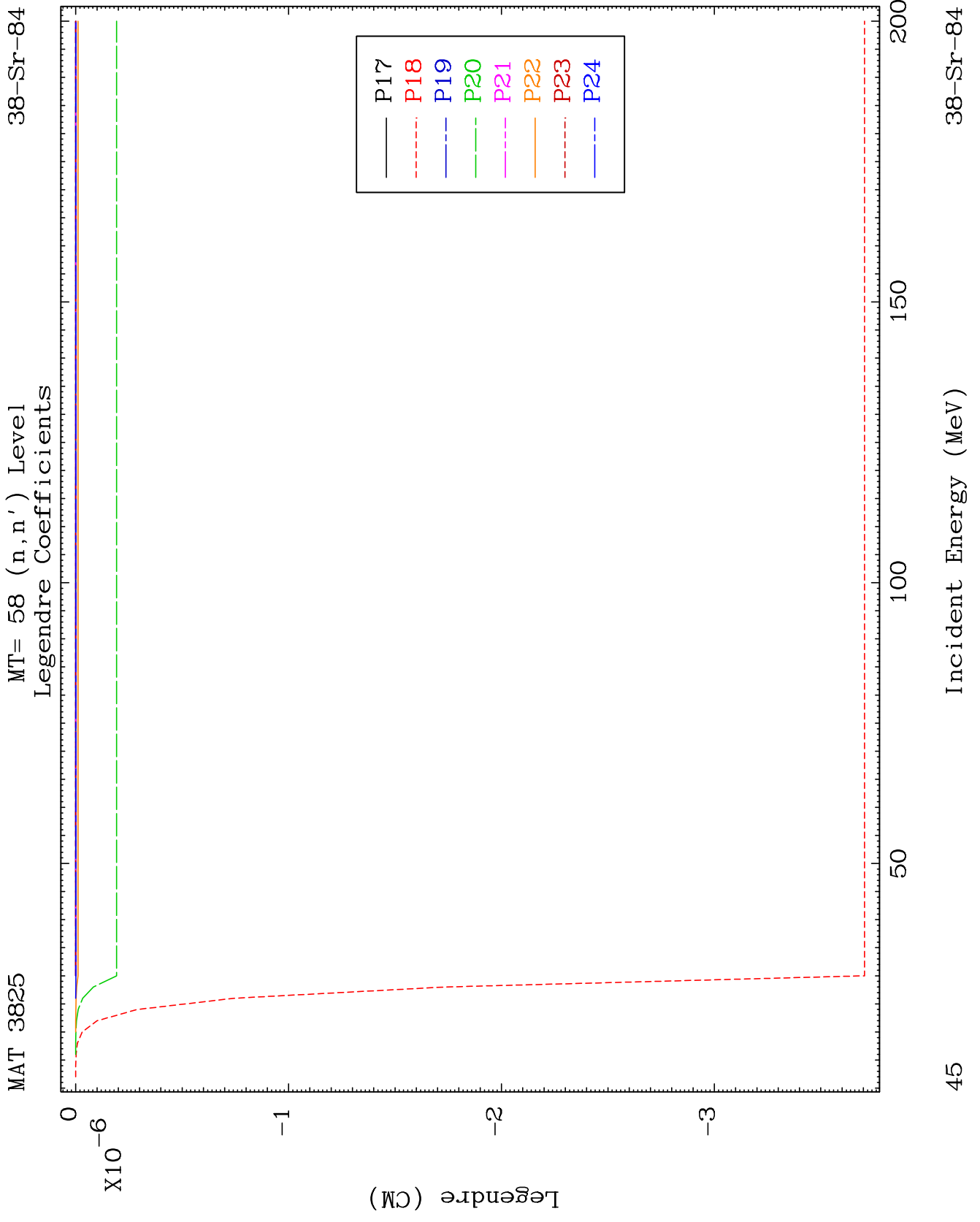
38-Sr-84



43

38-Sr-84

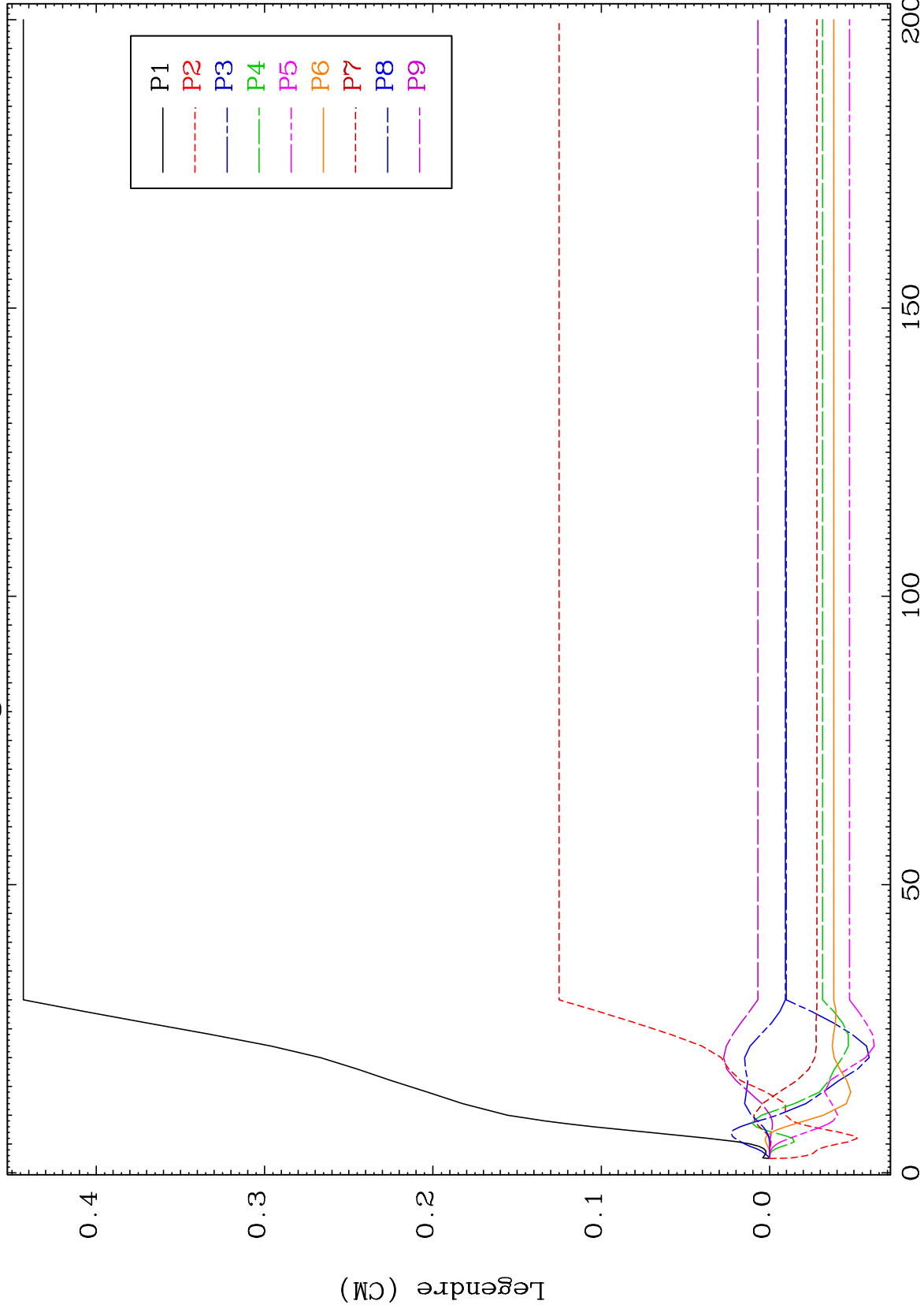




MAT 3825

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

38-Sr-84



46

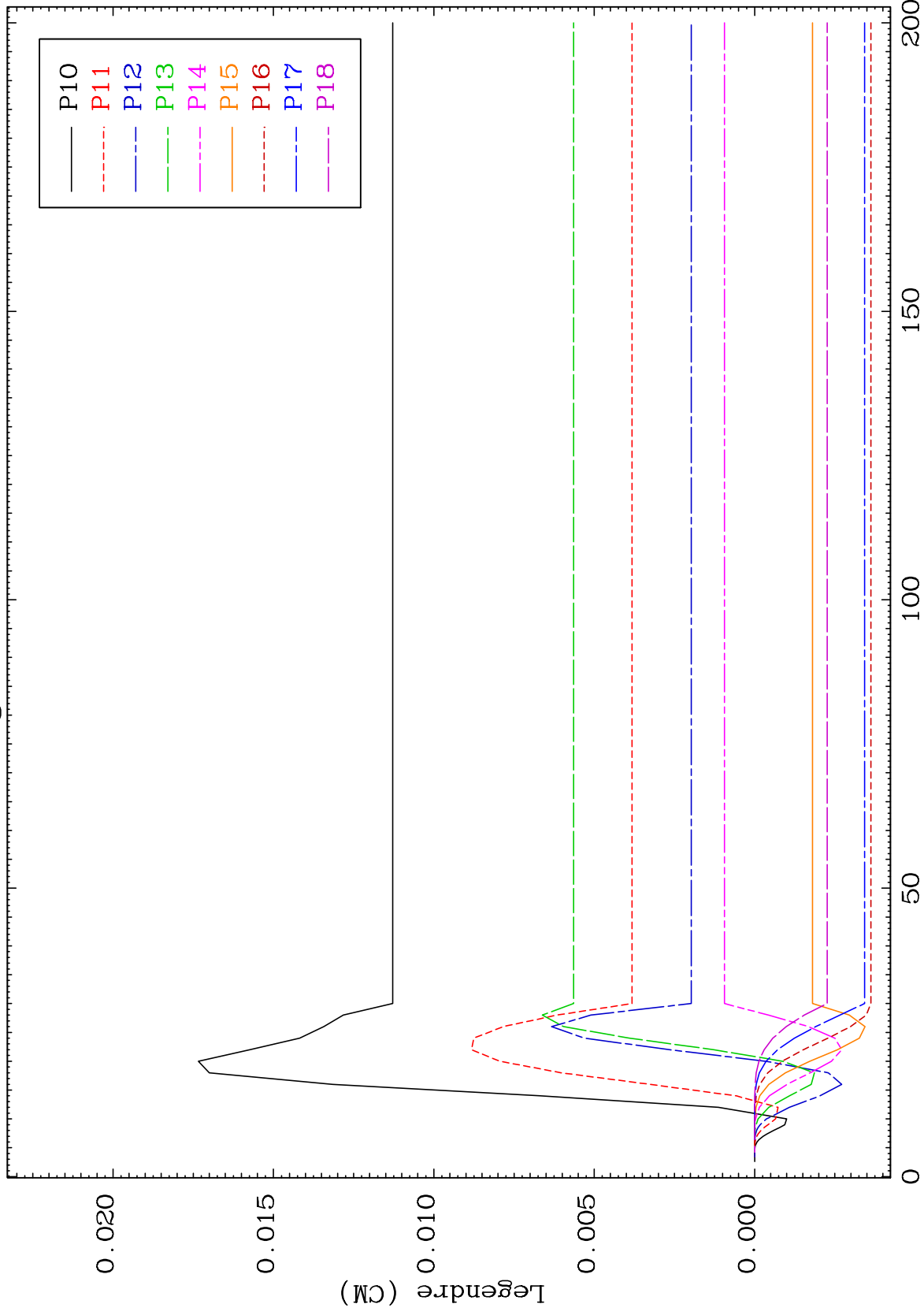
Incident Energy (MeV)

38-Sr-84

MAT 3825

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

38-Sr-84



47

Incident Energy (MeV)

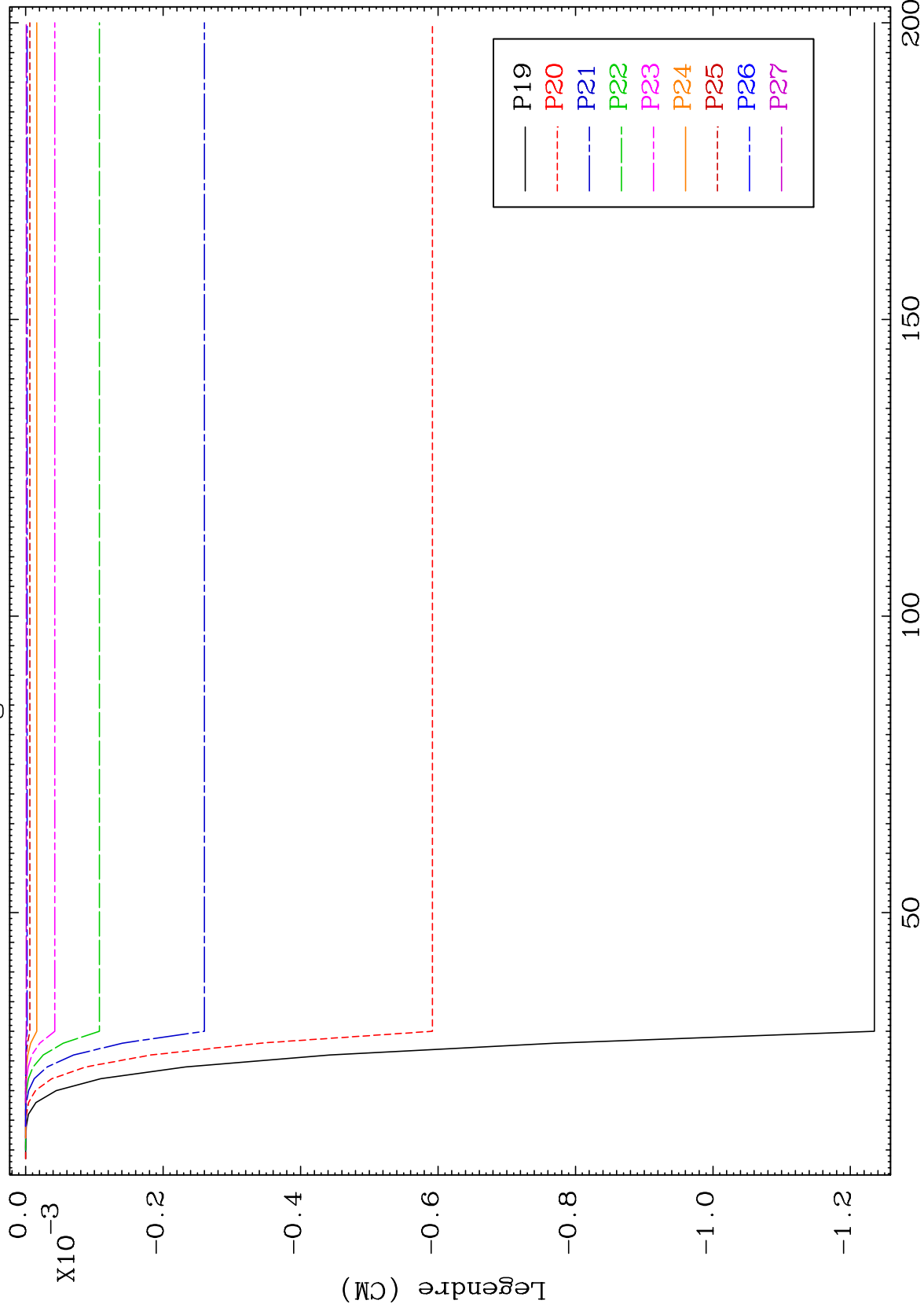
38-Sr-84



MAT 3825

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

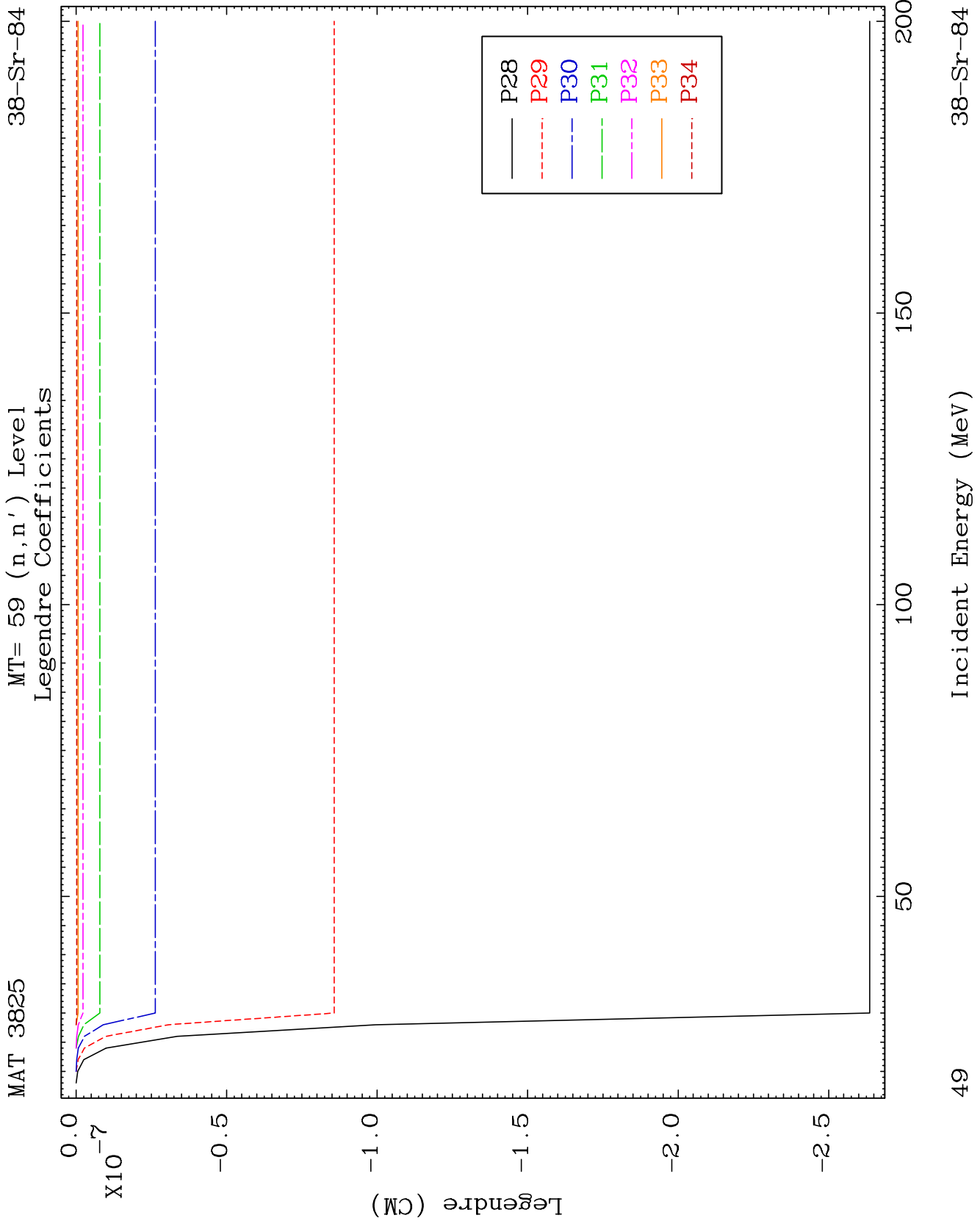
38-Sr-84



38-Sr-84

Incident Energy (MeV)

48

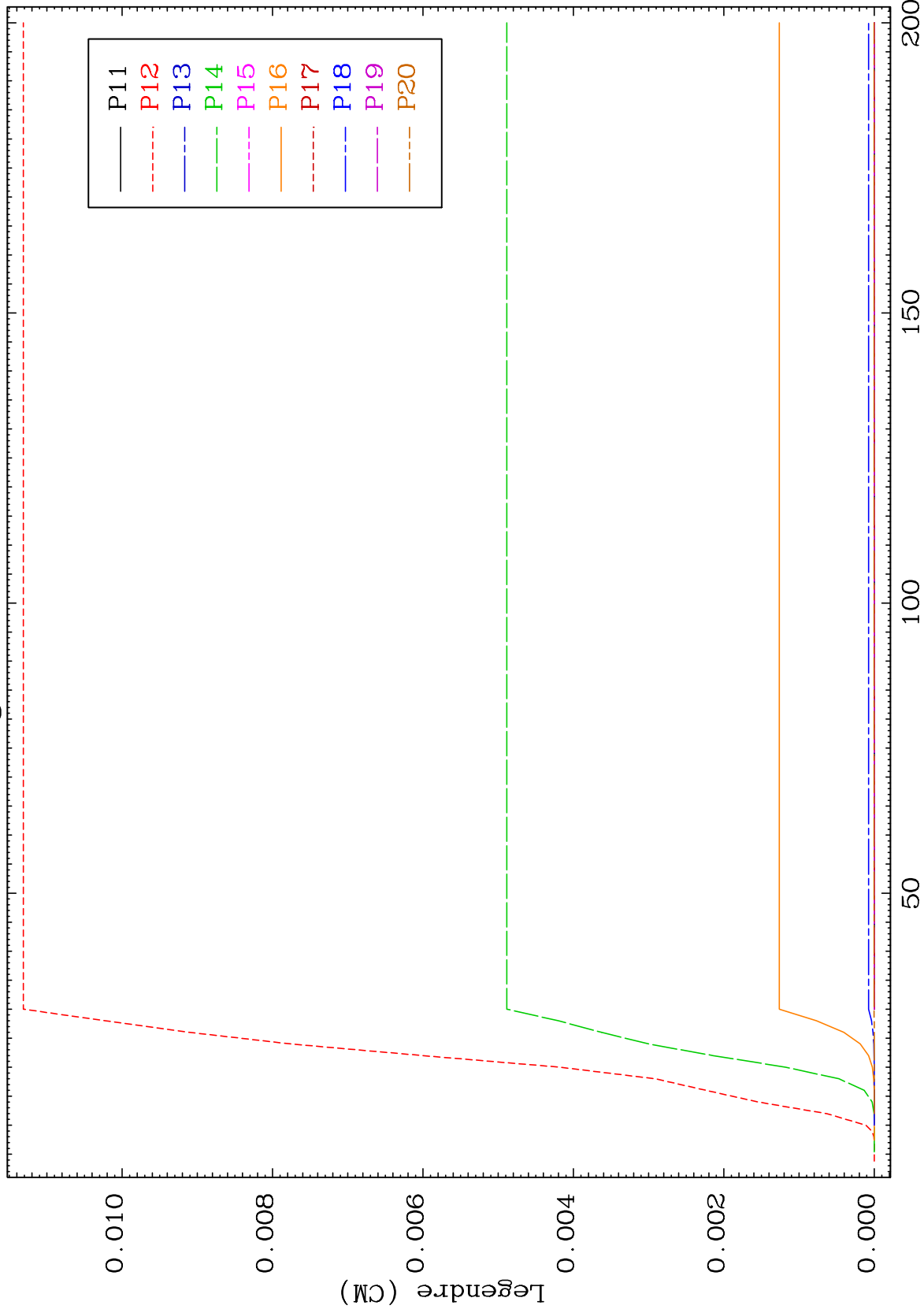




MAT 3825

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

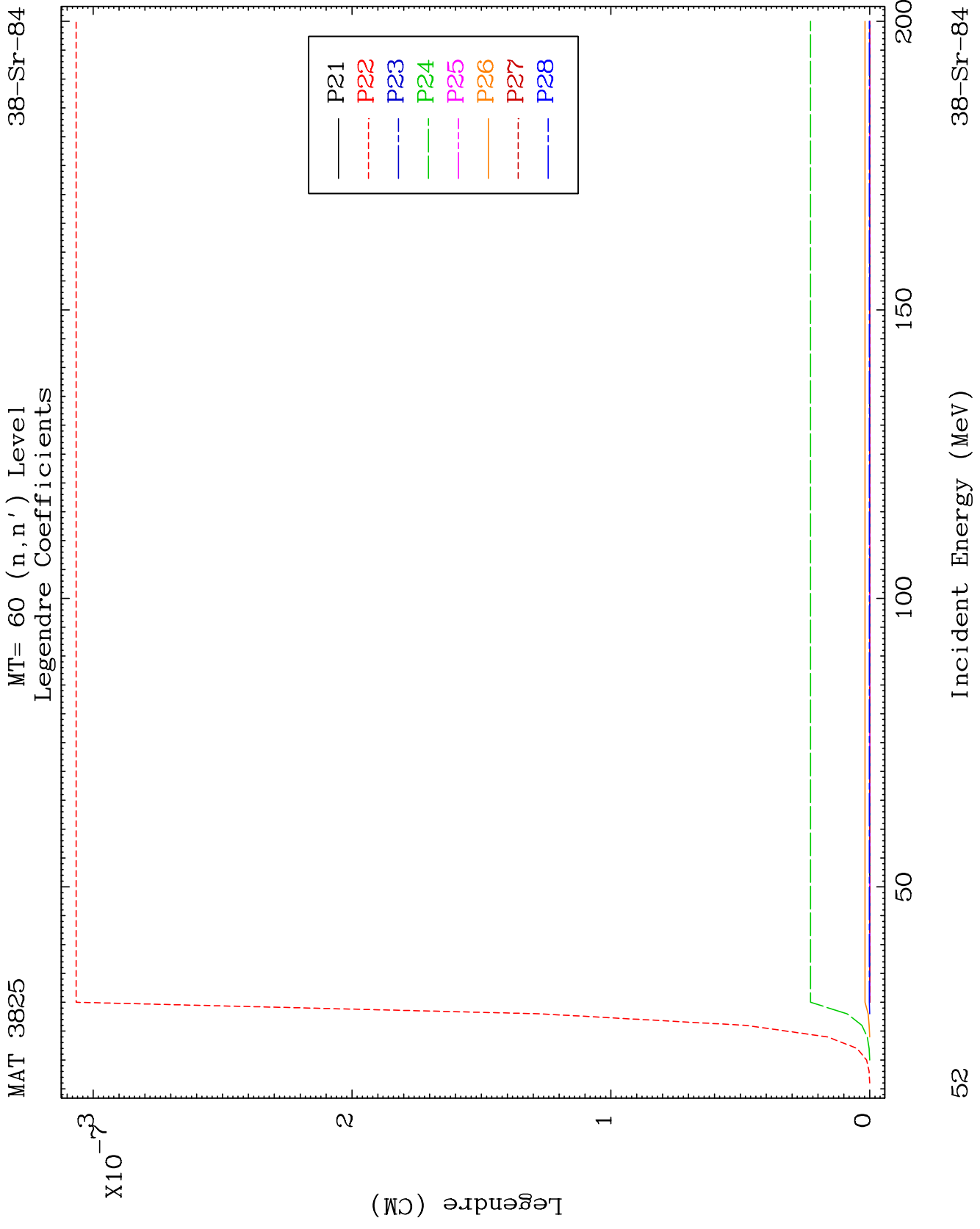
38-Sr-84



51

Incident Energy (MeV)

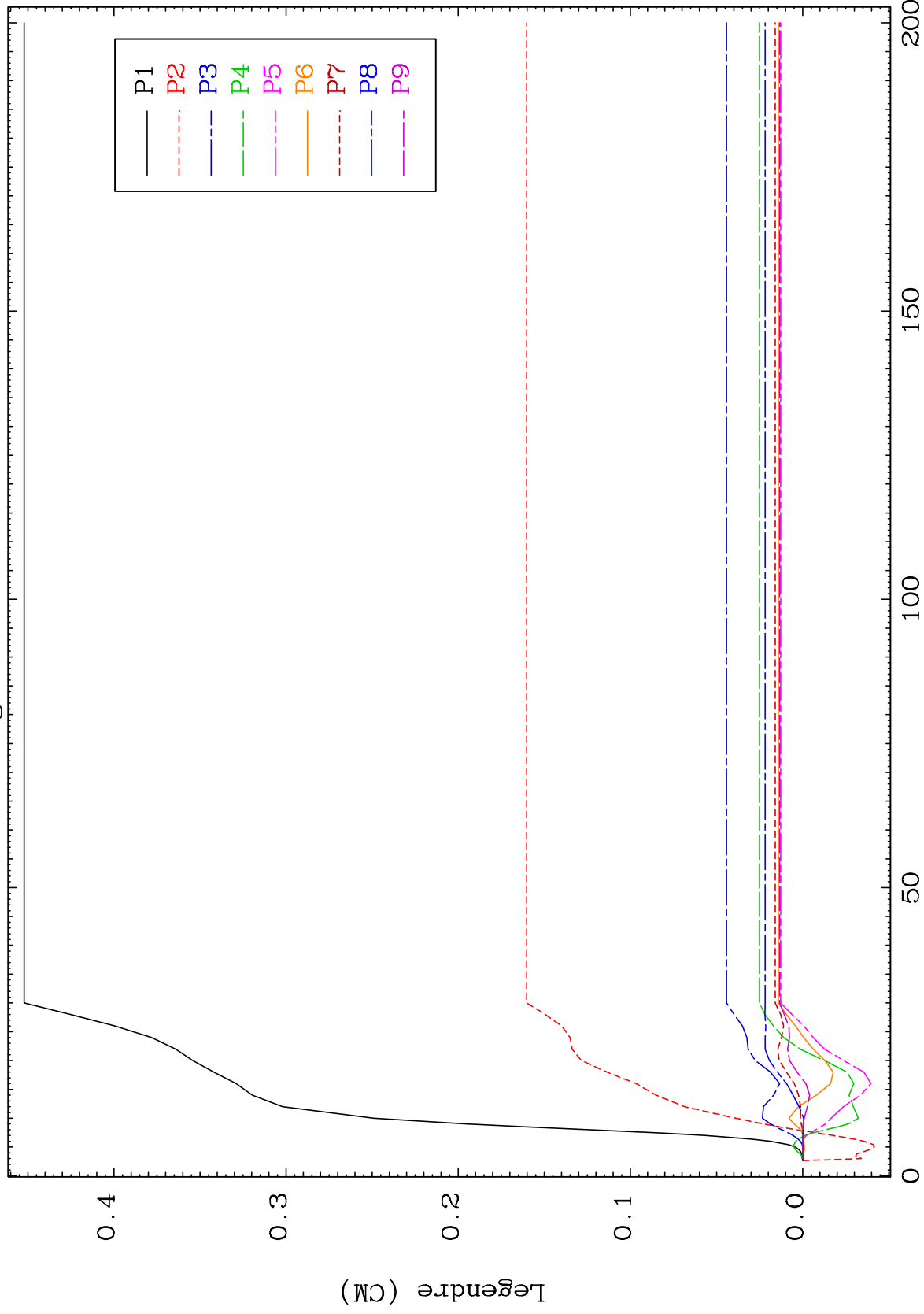
38-Sr-84



MAT 3825

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

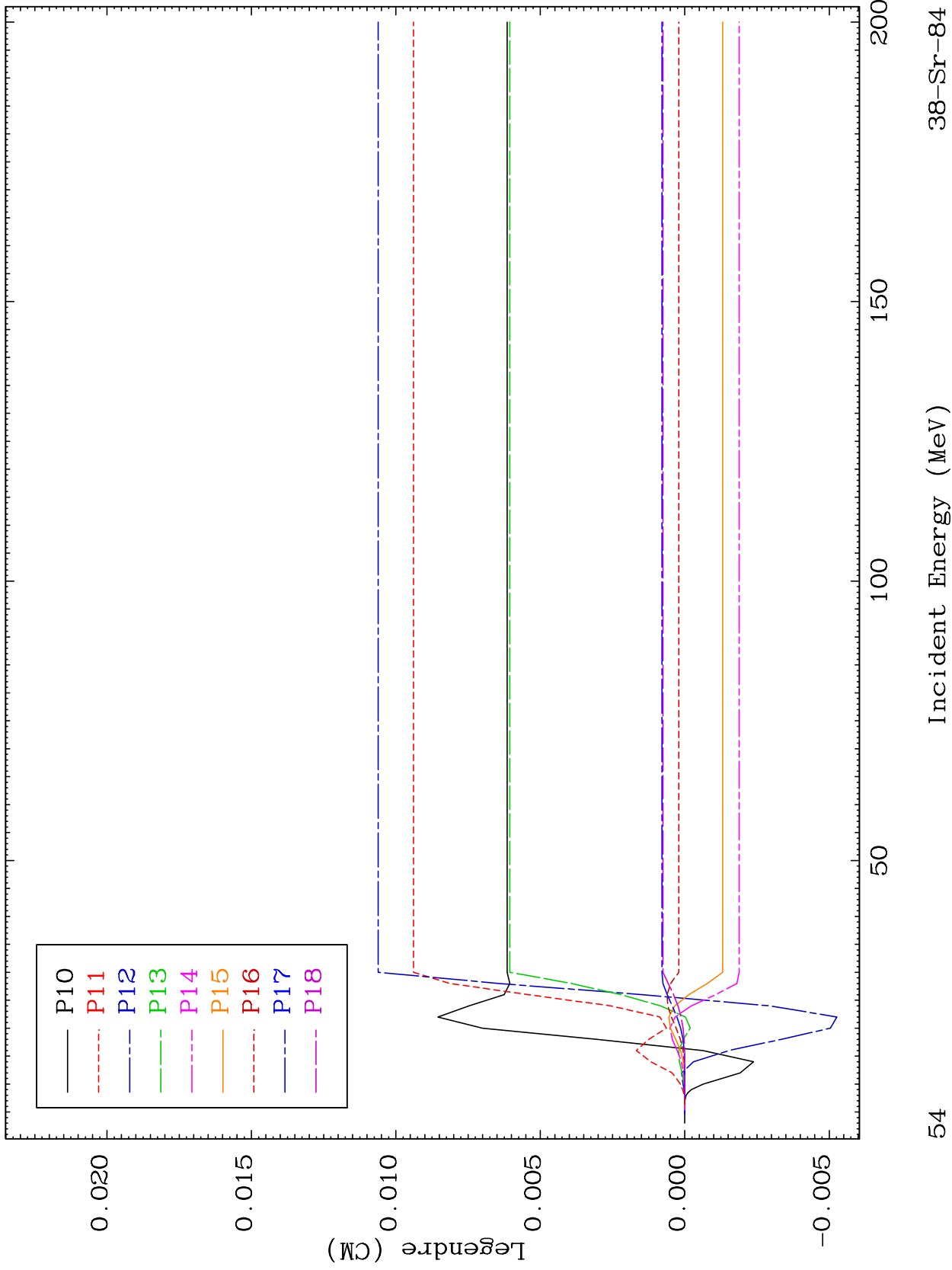
38-Sr-84



53

Incident Energy (MeV)

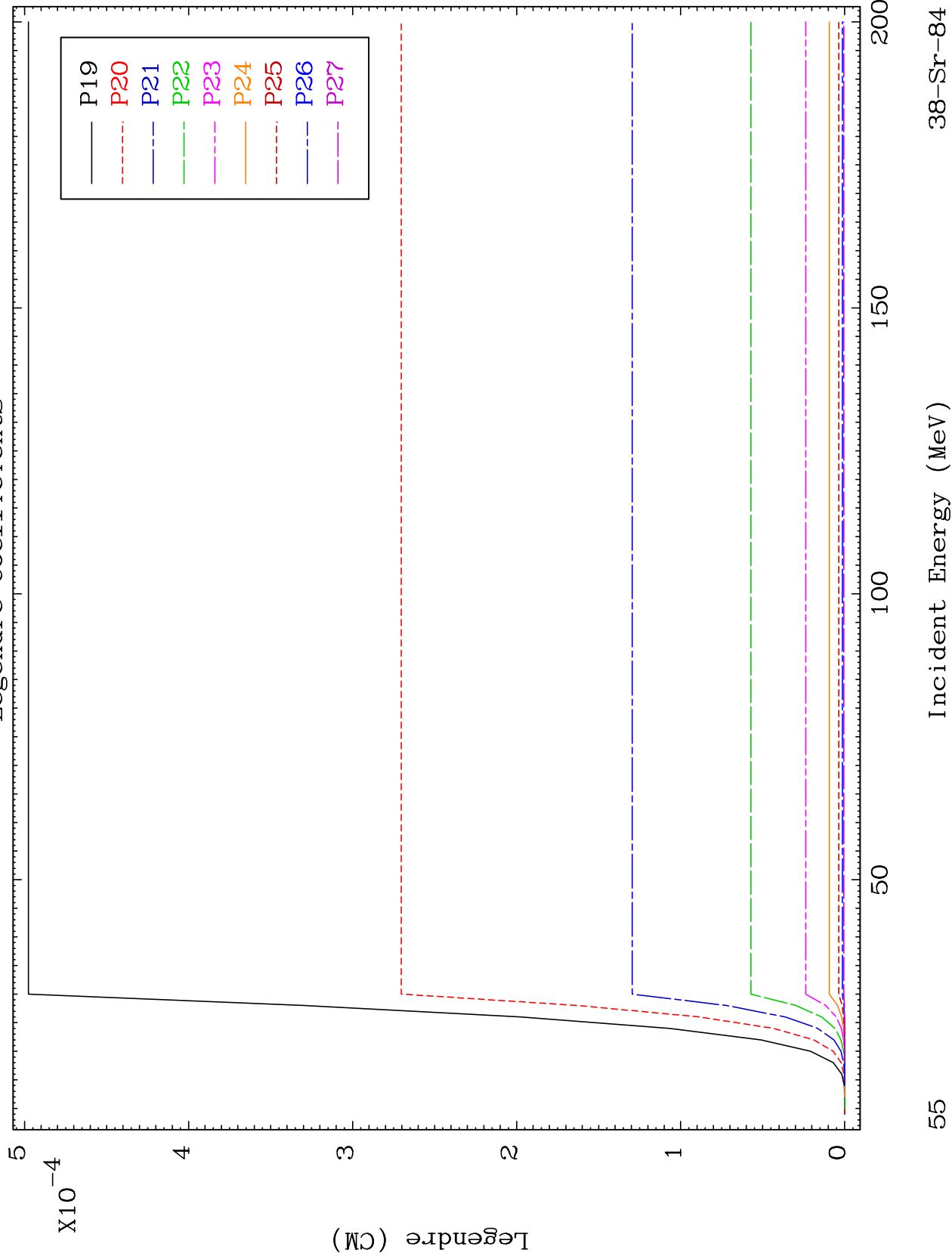
38-Sr-84



MAT 3825

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

38-Sr-84

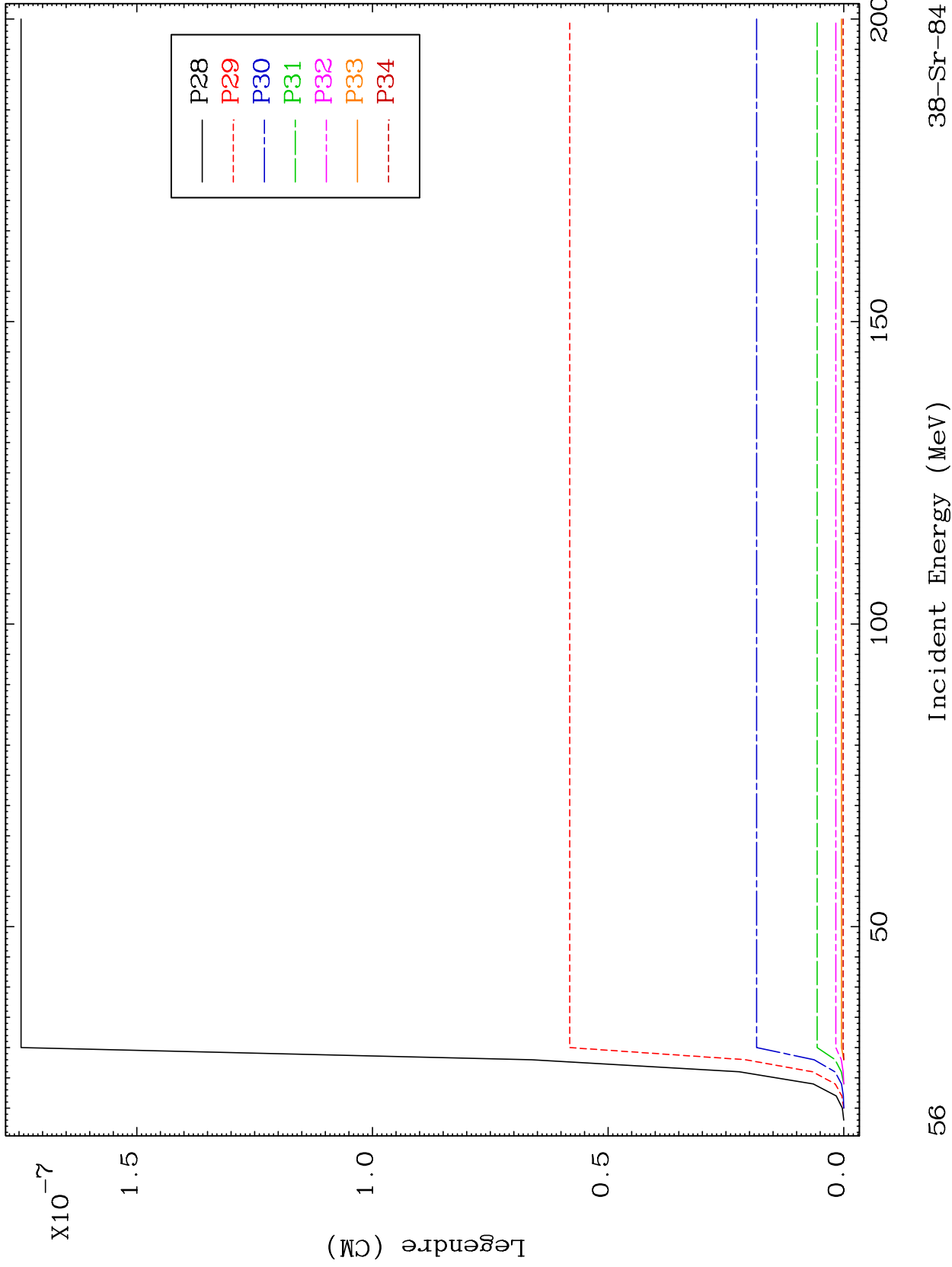




MAT 3825

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

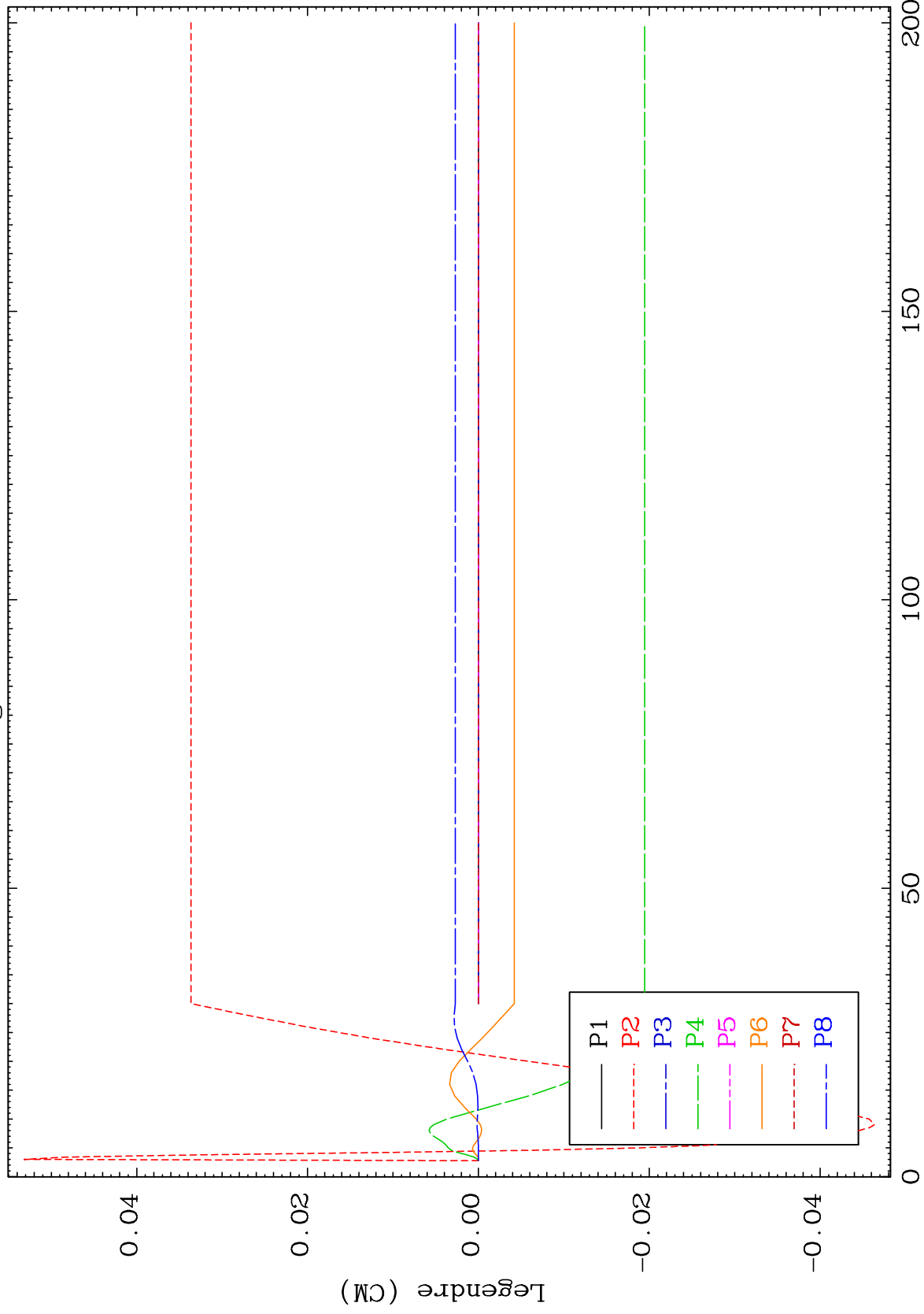
38-Sr-84



MAT 3825

38-Sr-84

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



57

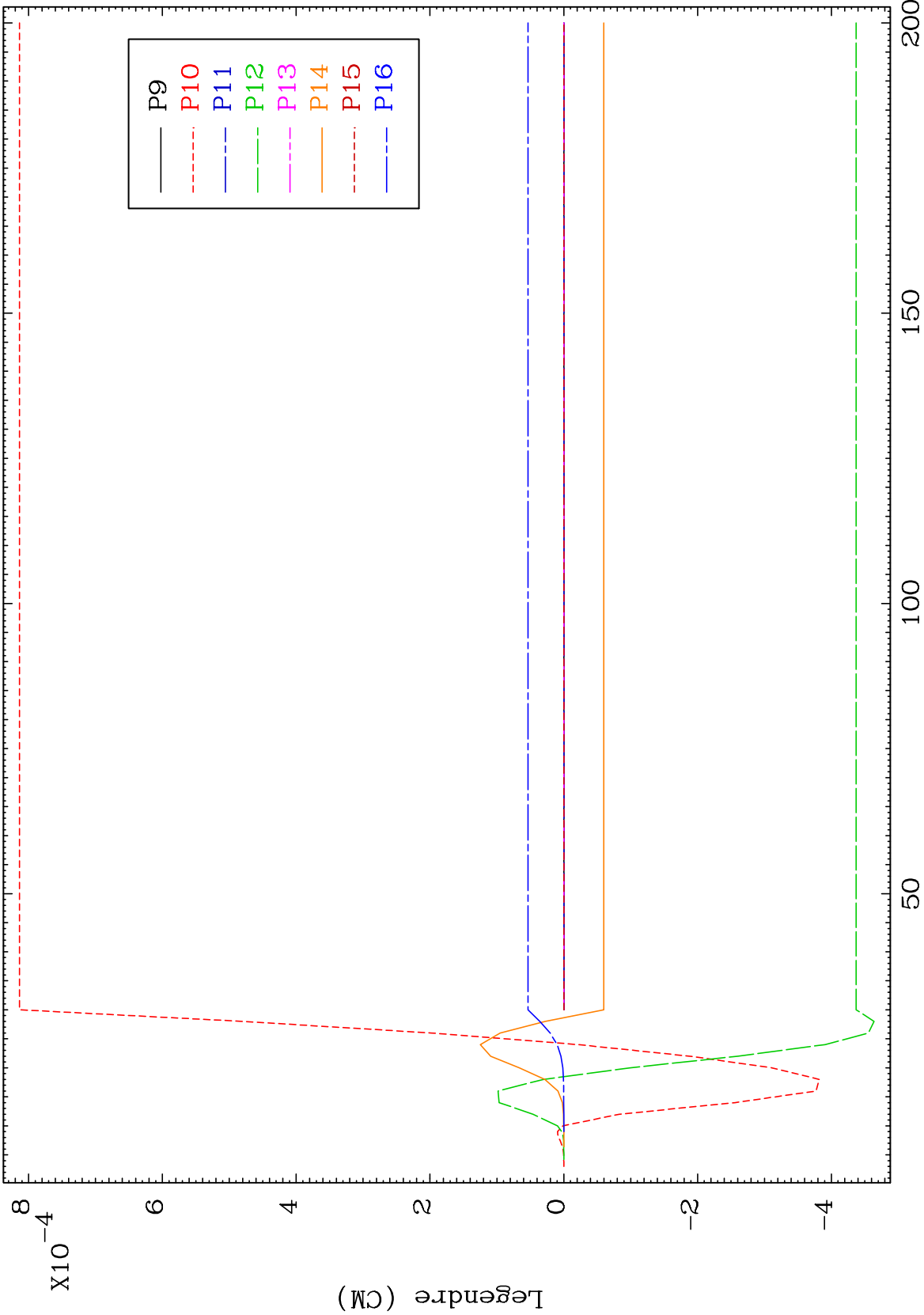
Incident Energy (MeV)

38-Sr-84

MAT 3825

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

38-Sr-84



58

Incident Energy (MeV)

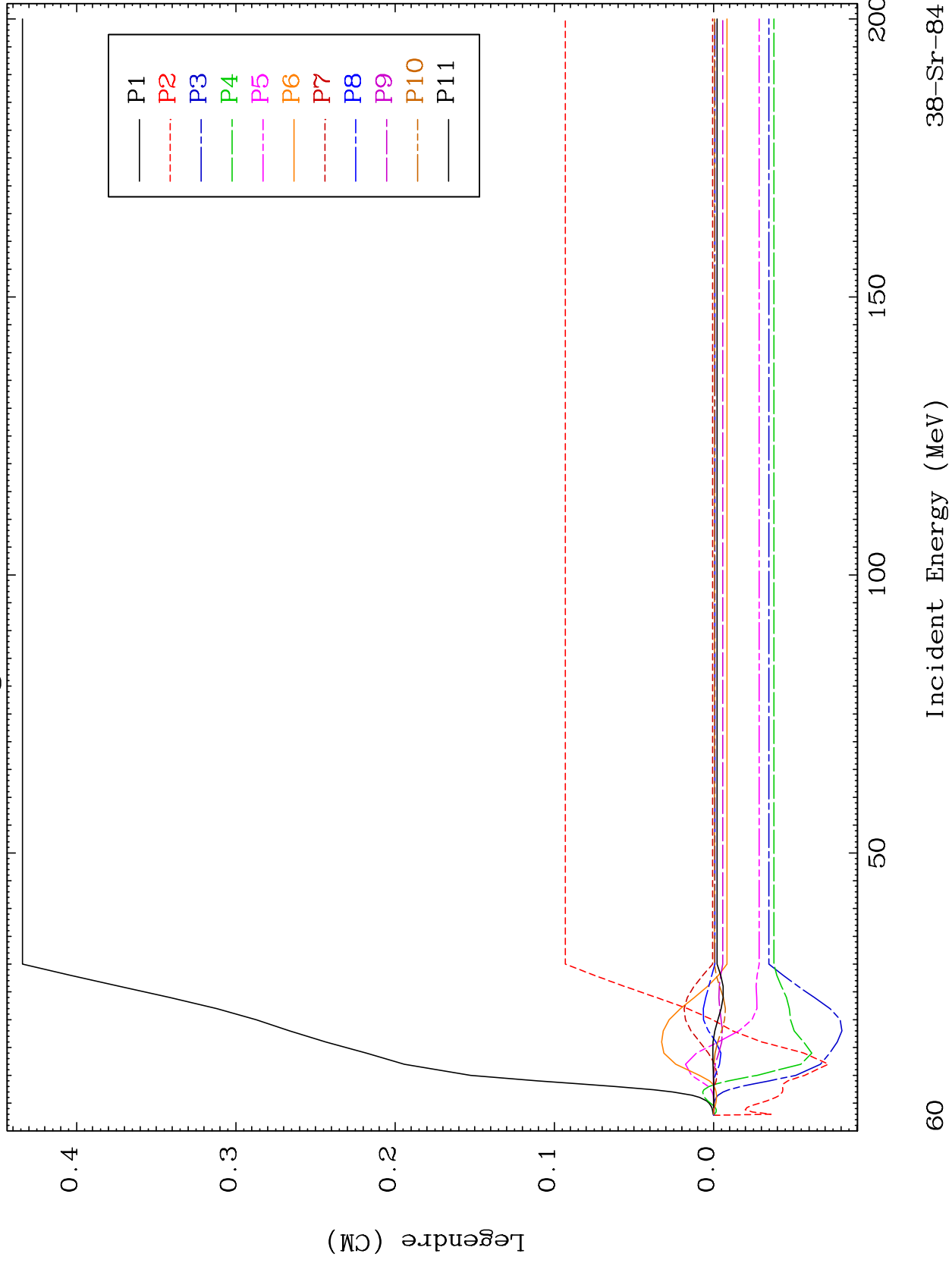
38-Sr-84



MAT 3825

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

38-Sr-84



38-Sr-84

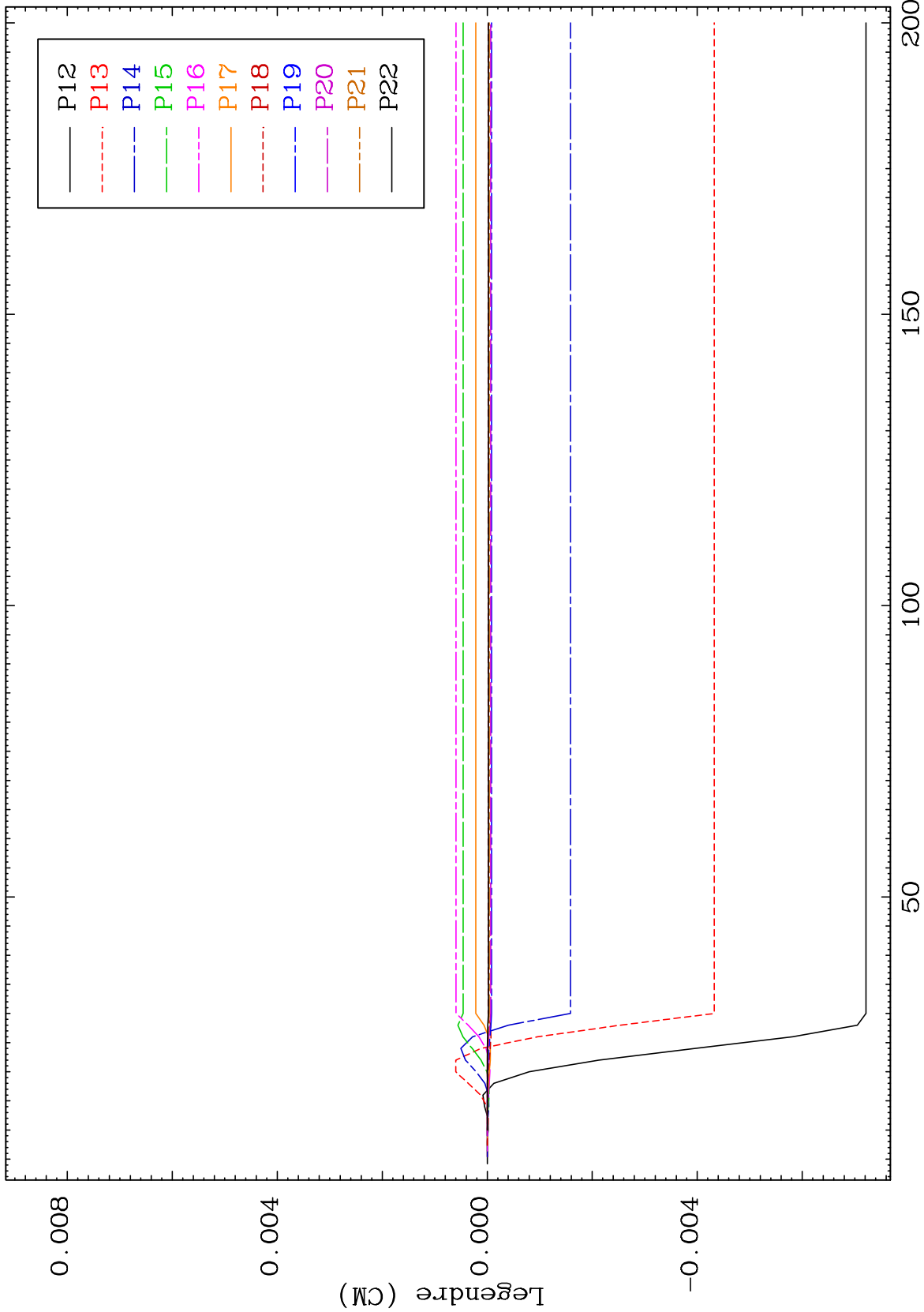
Incident Energy (MeV)

60

MAT 3825

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

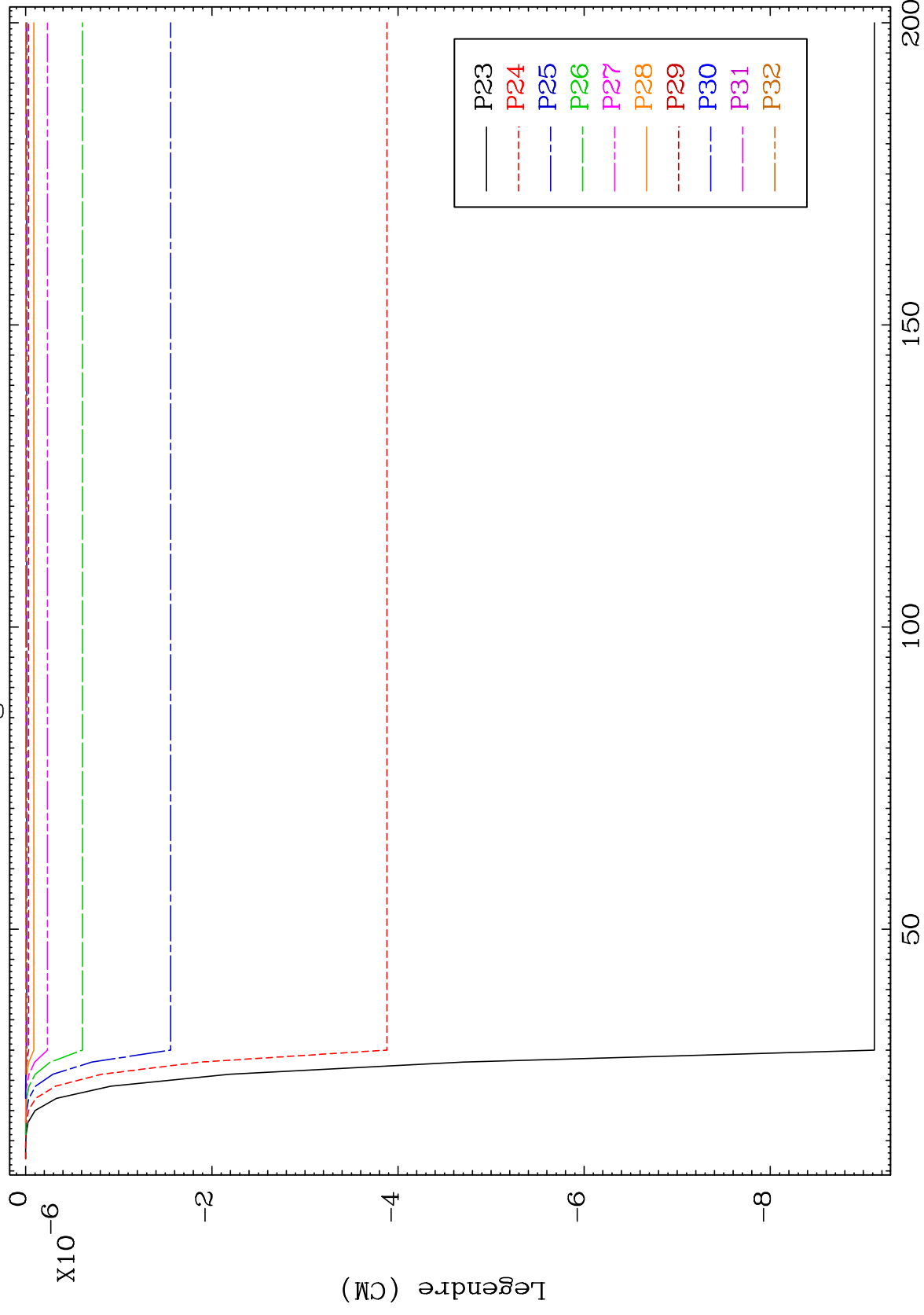
38-Sr-84



MAT 3825

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

38-Sr-84



62

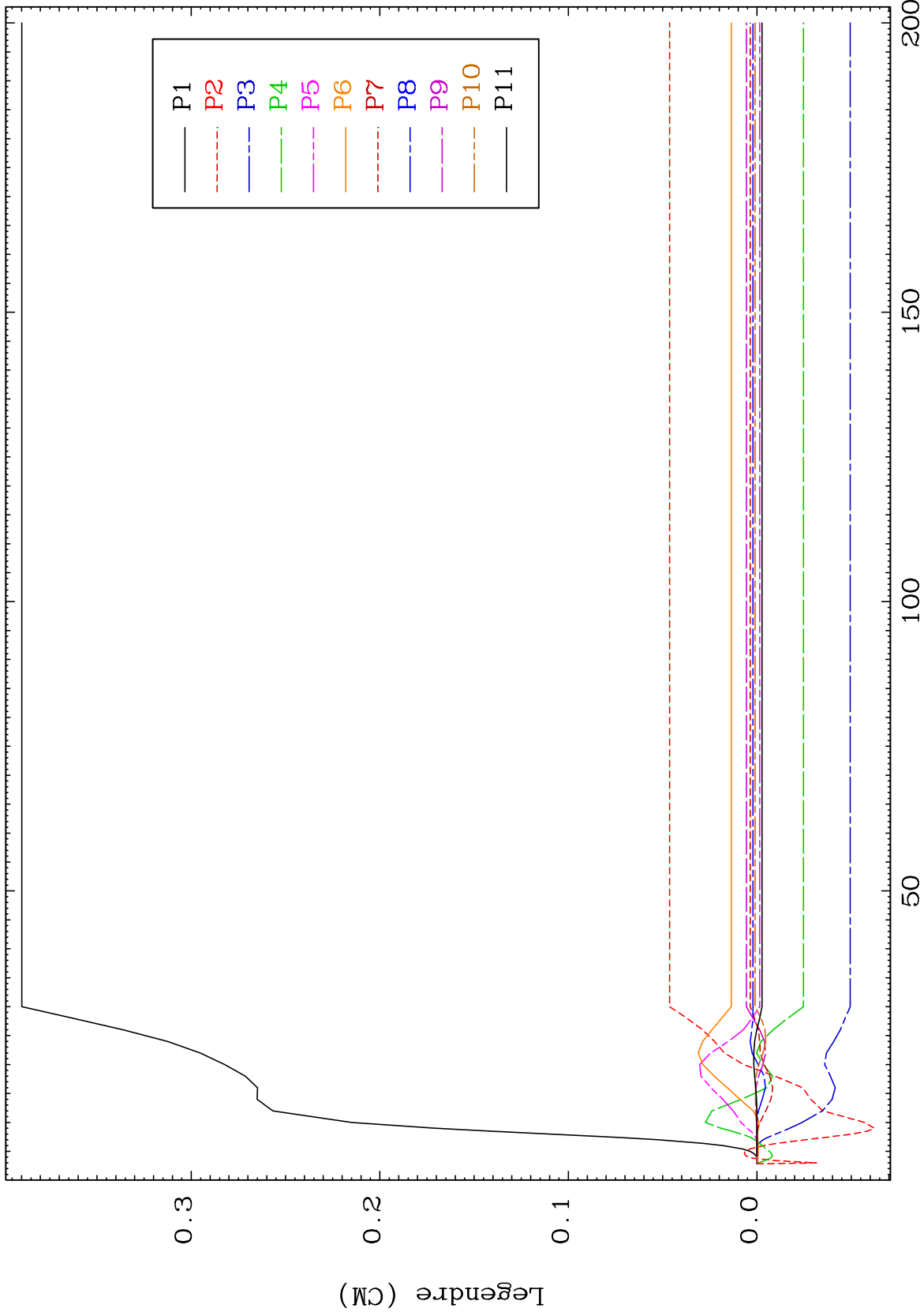
Incident Energy (MeV)

38-Sr-84

MAT 3825

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

38-Sr-84



63

Incident Energy (MeV)

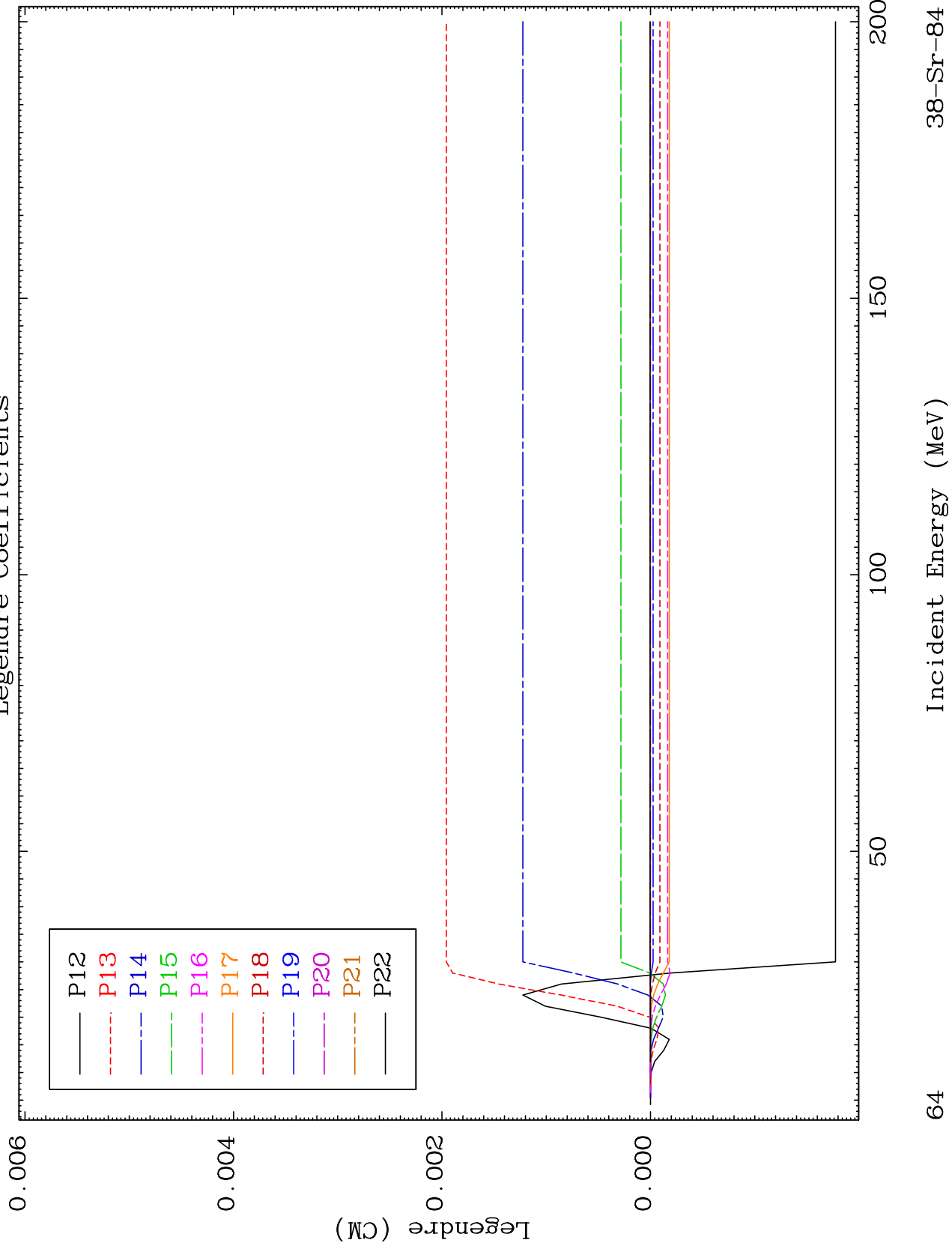
38-Sr-84



MAT 3825

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

38-Sr-84



64

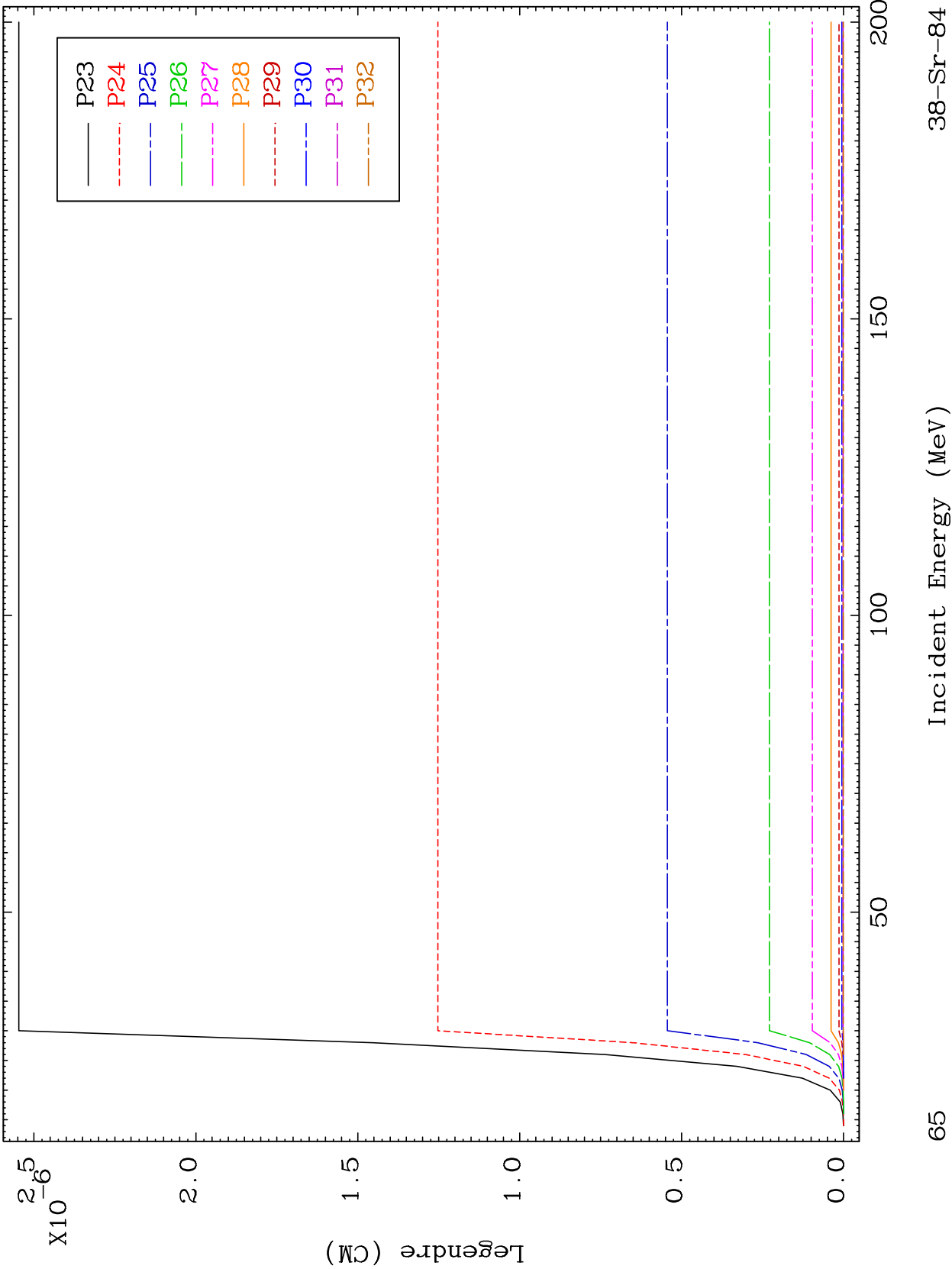
Incident Energy (MeV)

38-Sr-84

MAT 3825

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

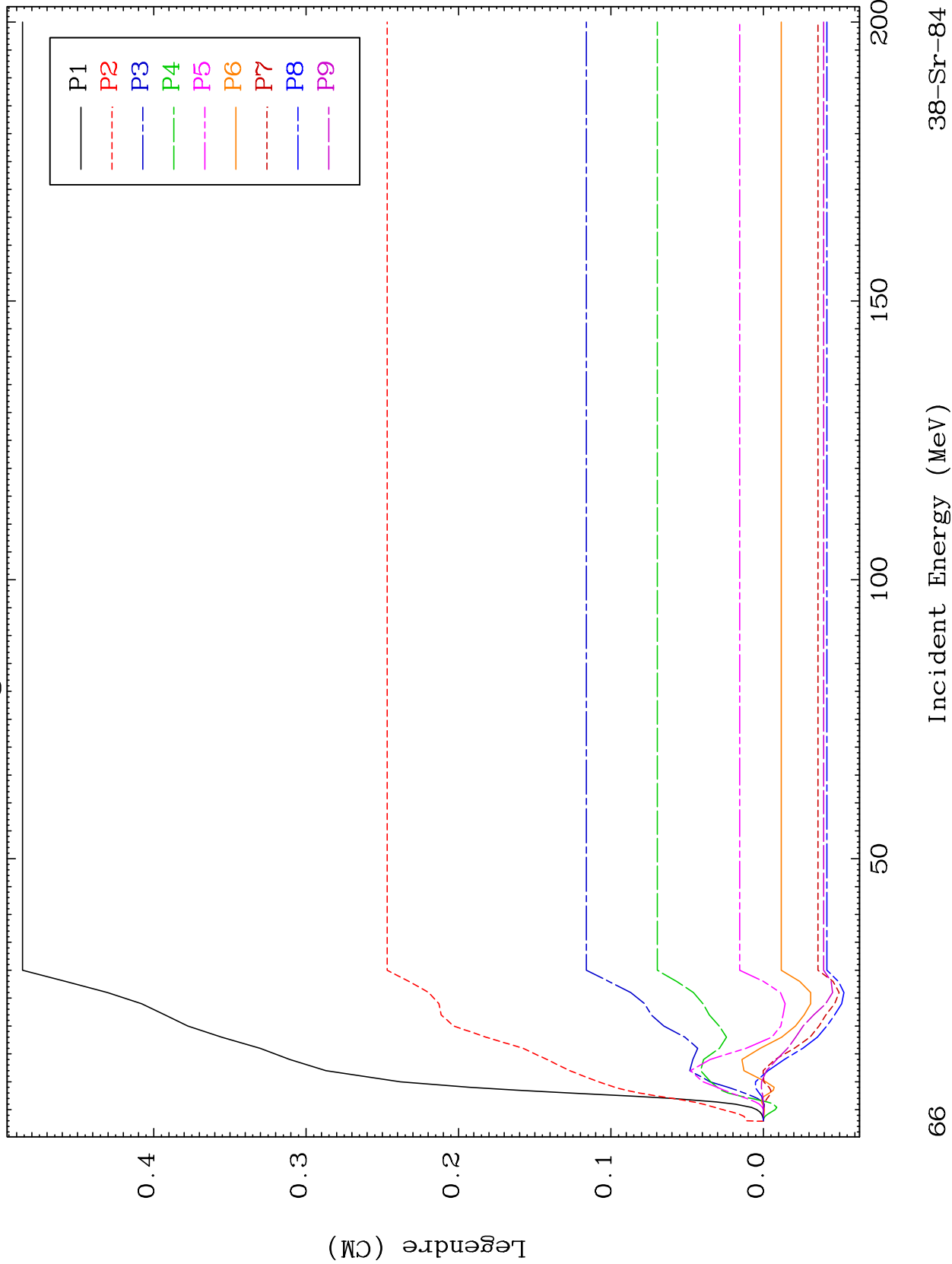
38-Sr-84



65

Incident Energy (MeV)

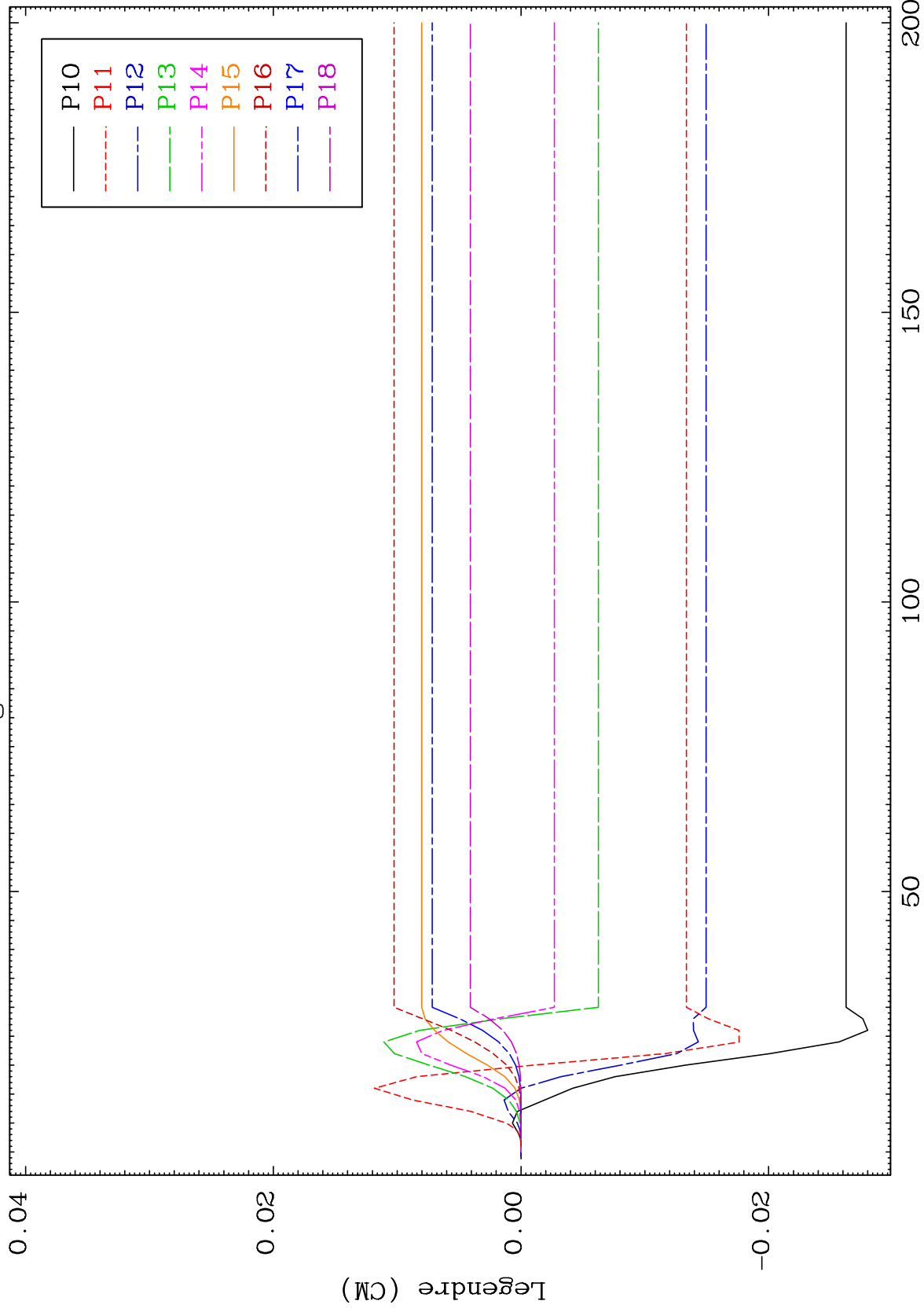
38-Sr-84



MAT 3825

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

38-Sr-84



67

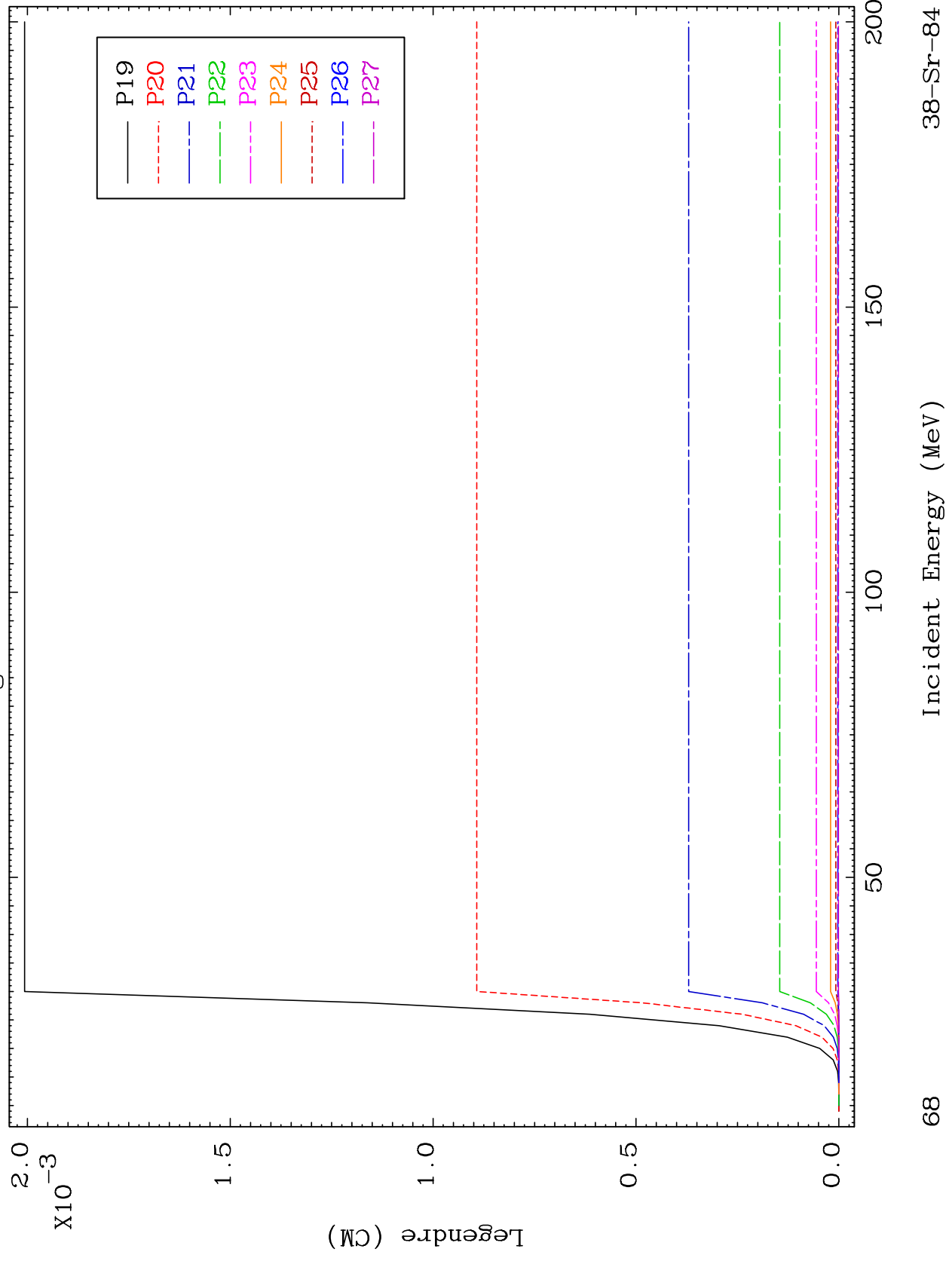
Incident Energy (MeV)

38-Sr-84

MAT 3825

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

38-Sr-84



68

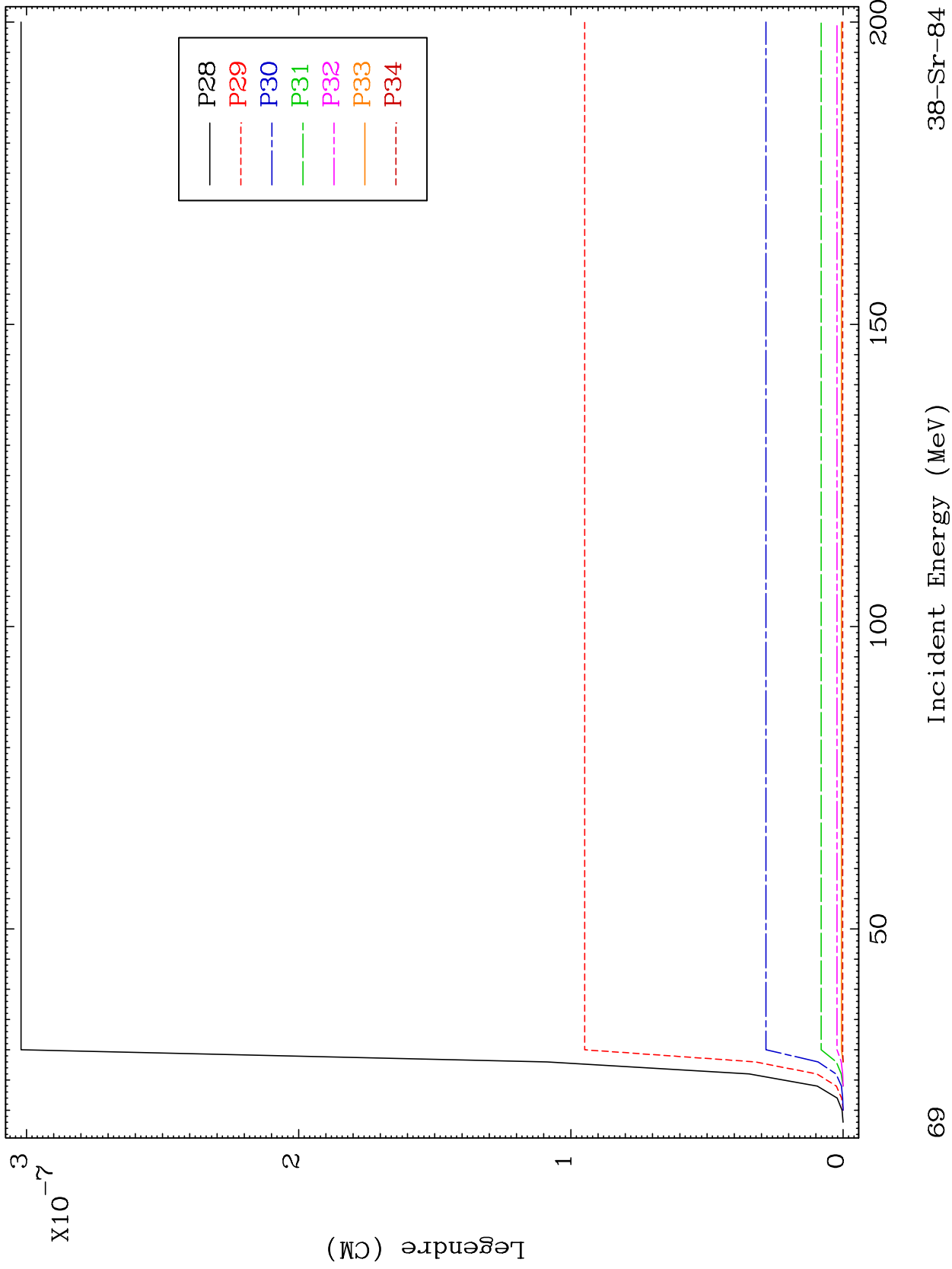
Incident Energy (MeV)

38-Sr-84

MAT 3825

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

38-Sr-84



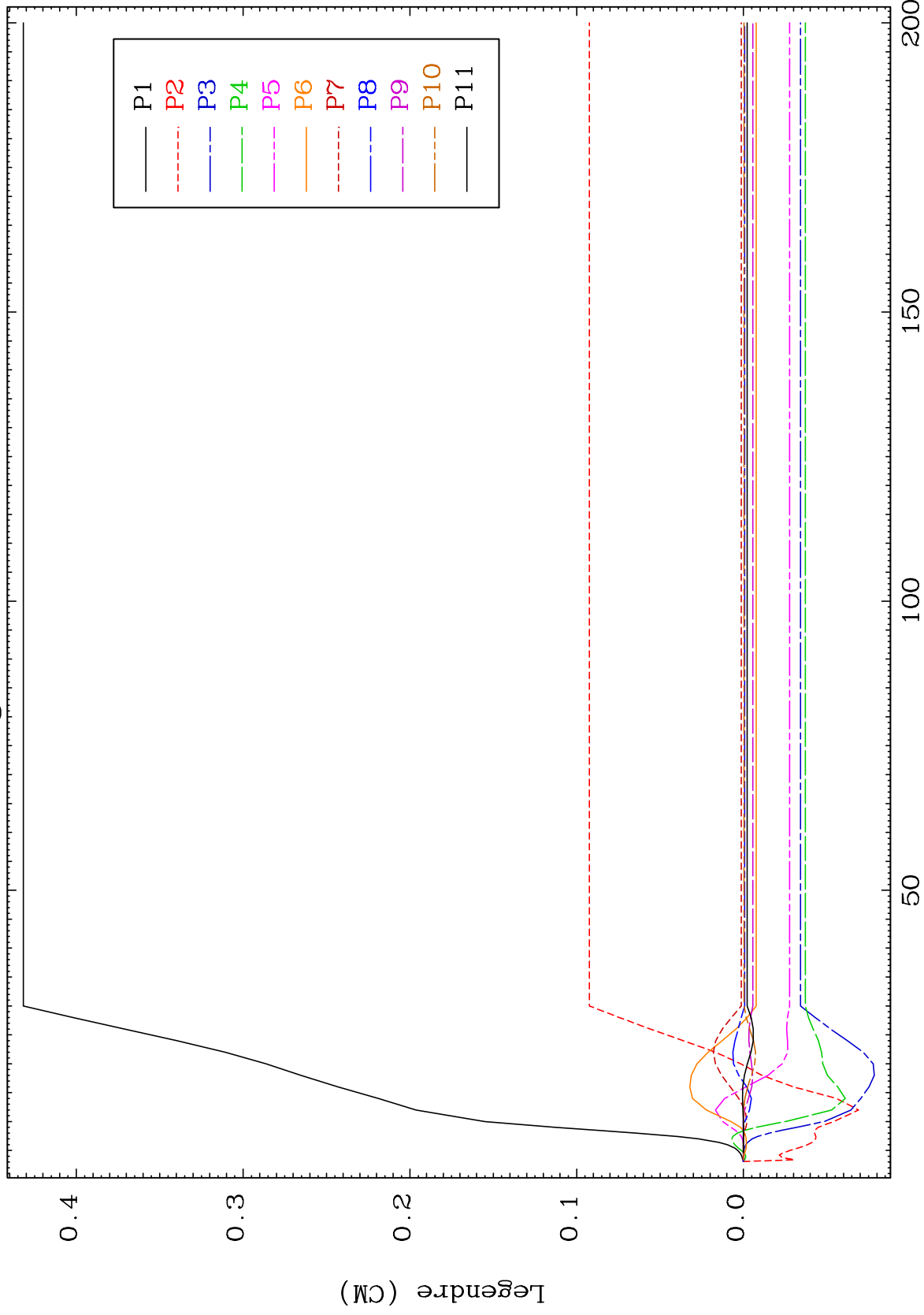
69

38-Sr-84

MAT 3825

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

38-Sr-84



70

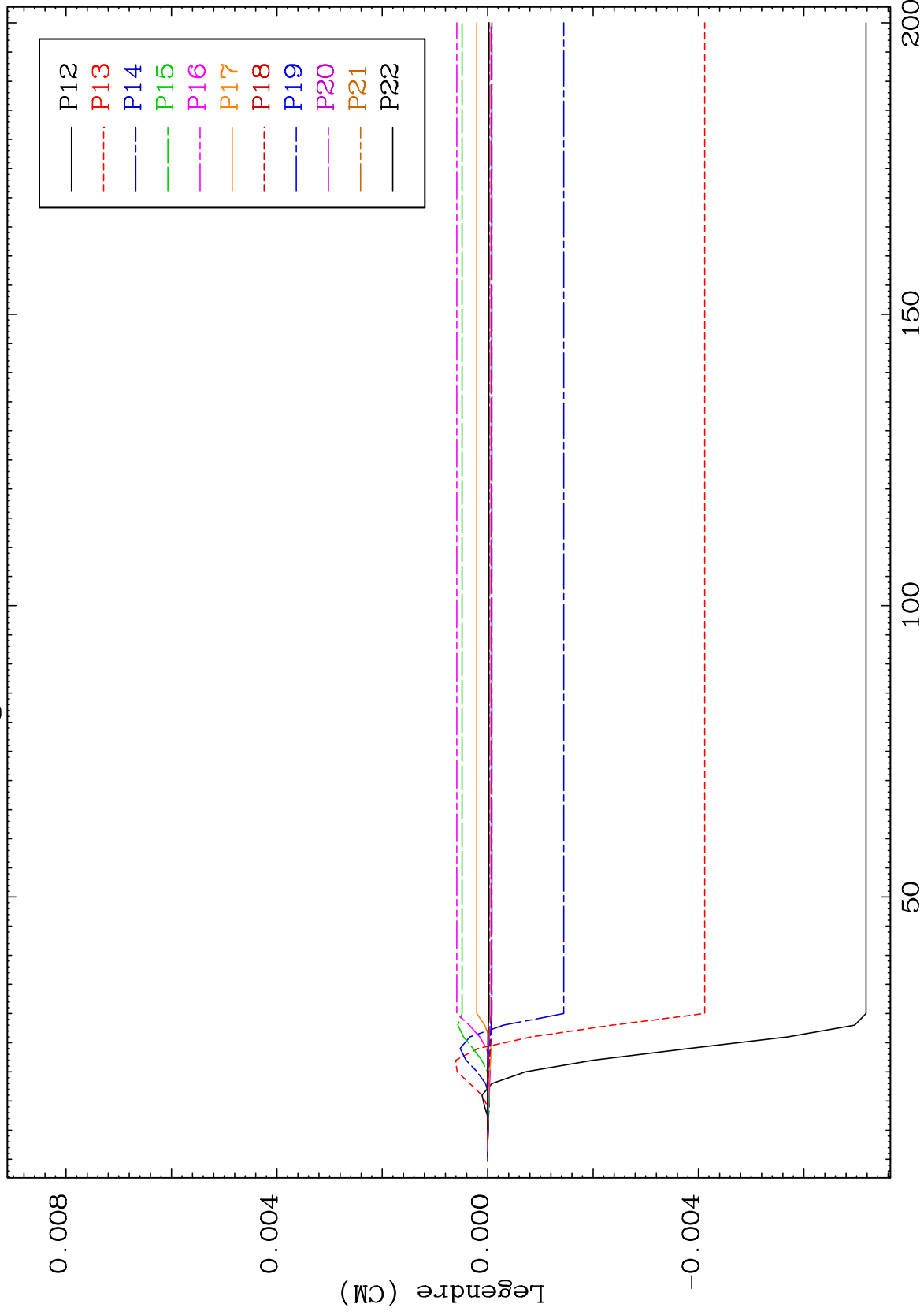
Incident Energy (MeV)

38-Sr-84

MAT 3825

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

38-Sr-84



71

Incident Energy (MeV)

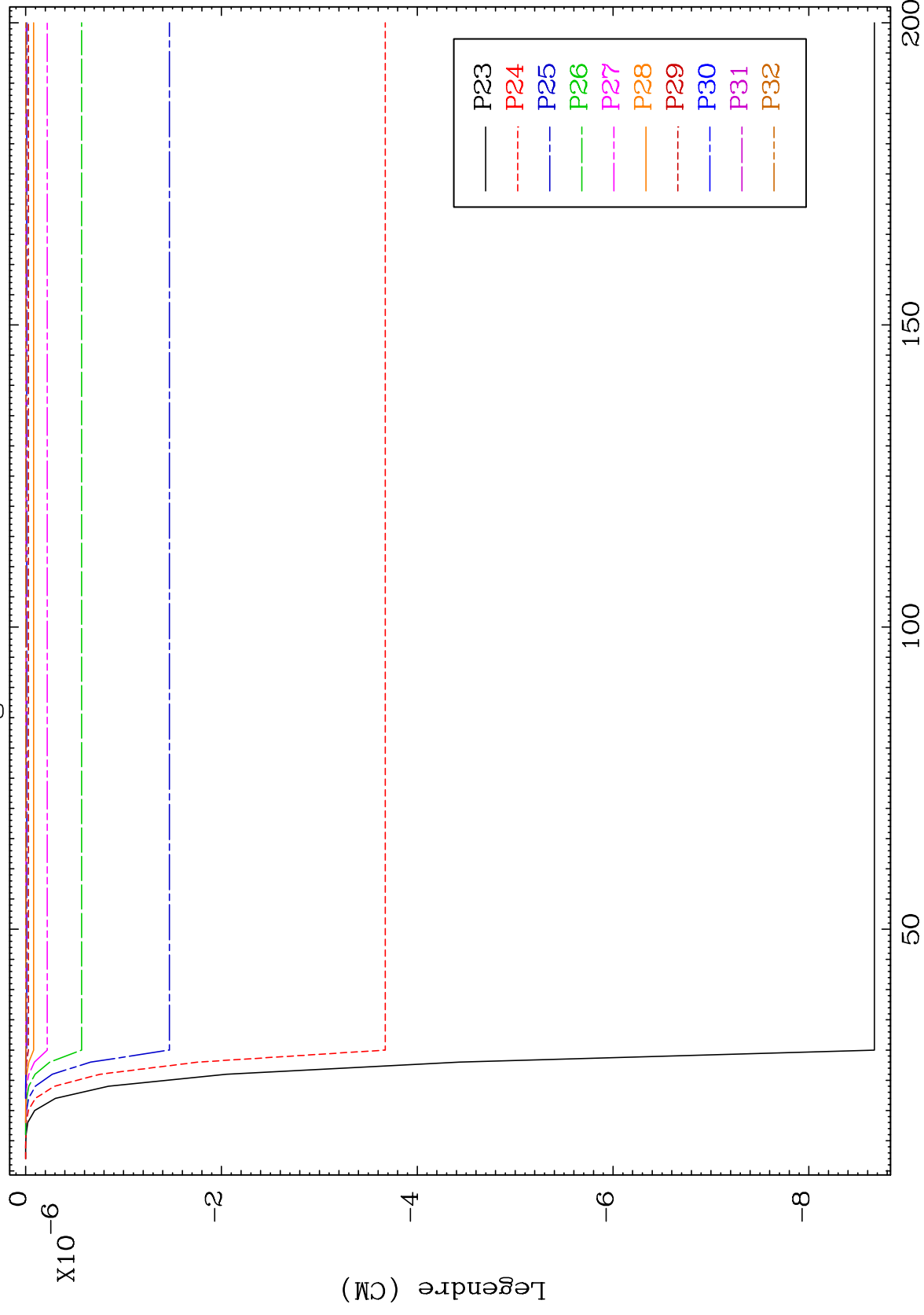
38-Sr-84



MAT 3825

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

38-Sr-84



38-Sr-84

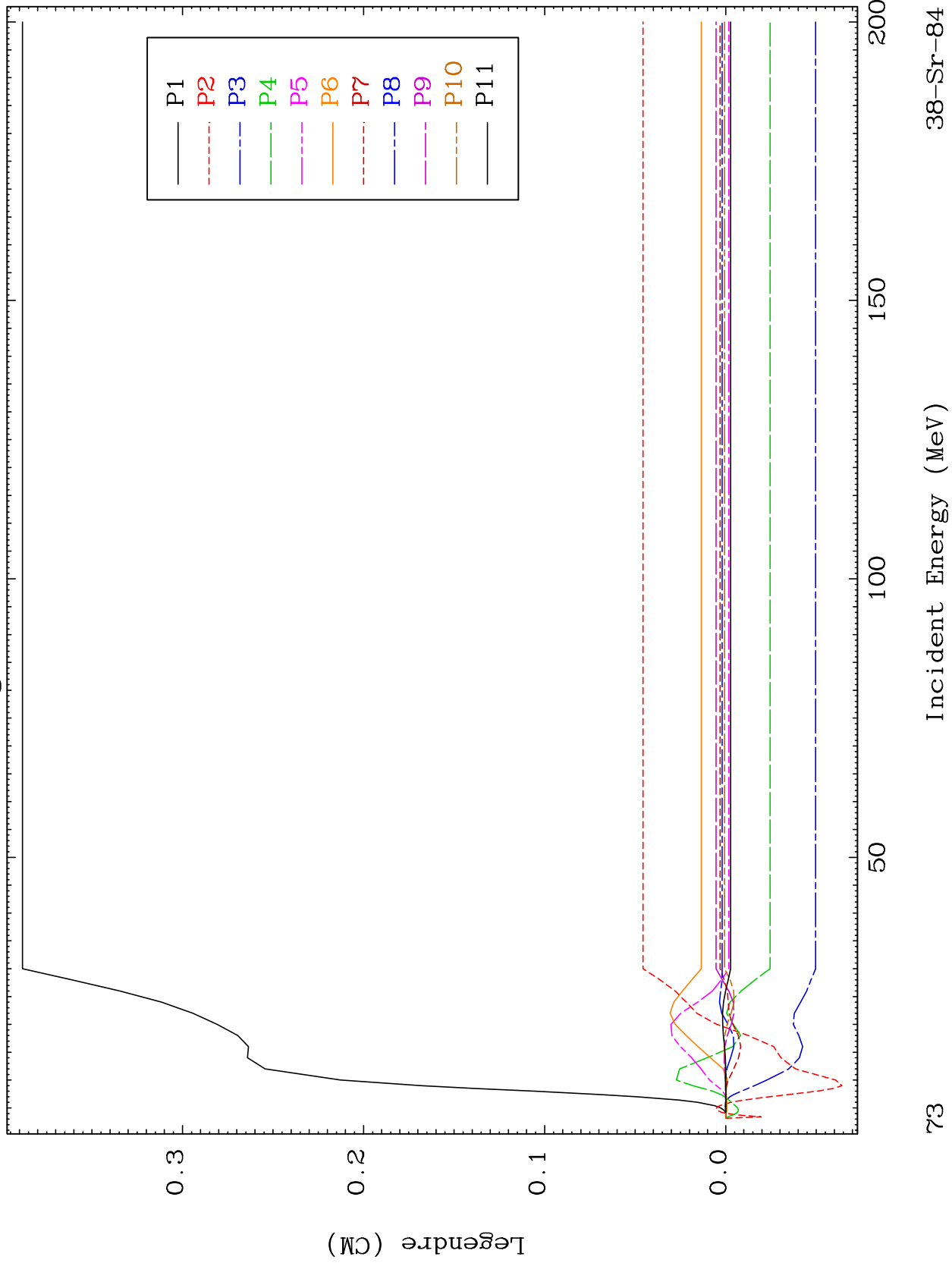
Incident Energy (MeV)

72

MAT 3825

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

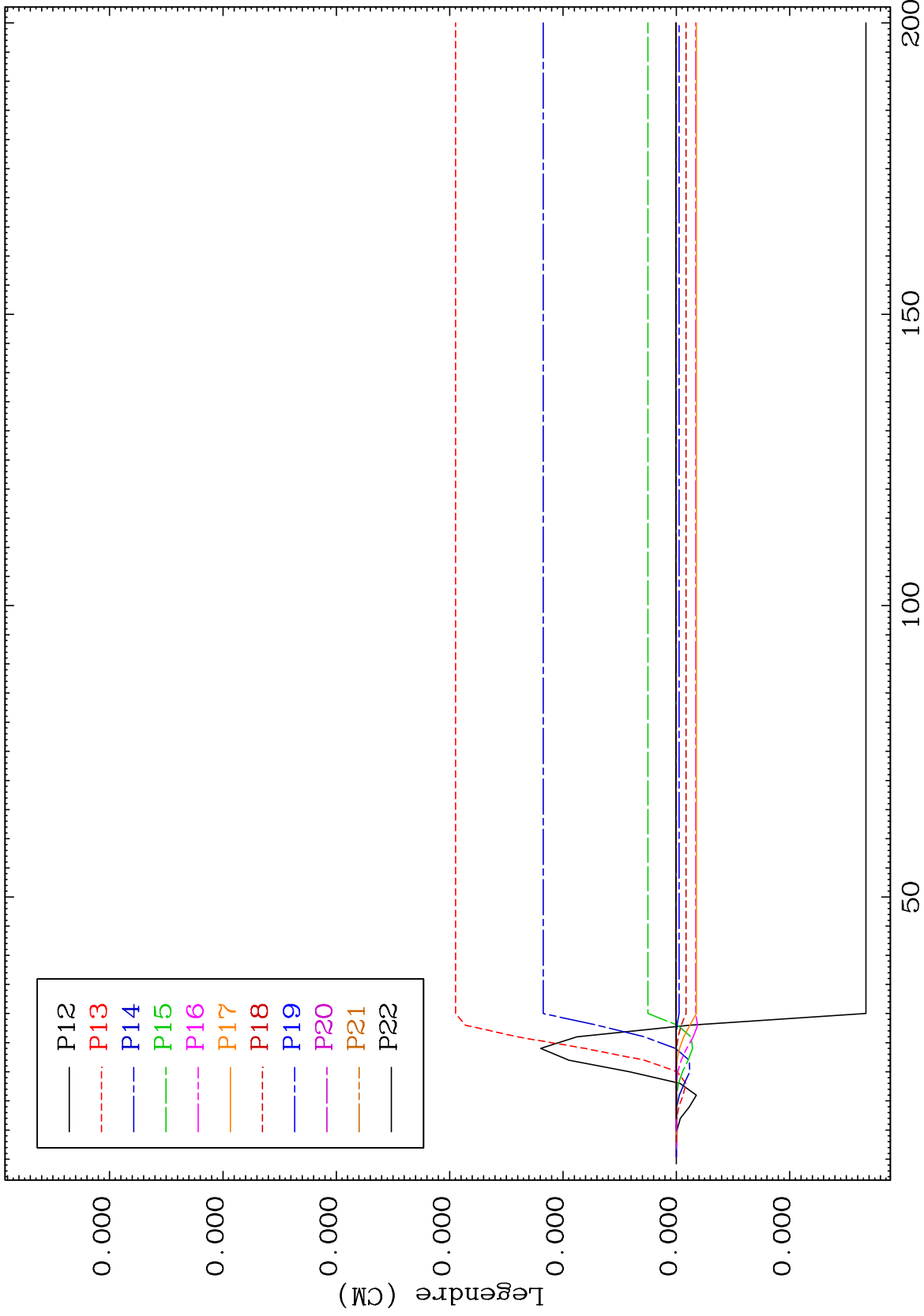
38-Sr-84



73

Incident Energy (MeV)

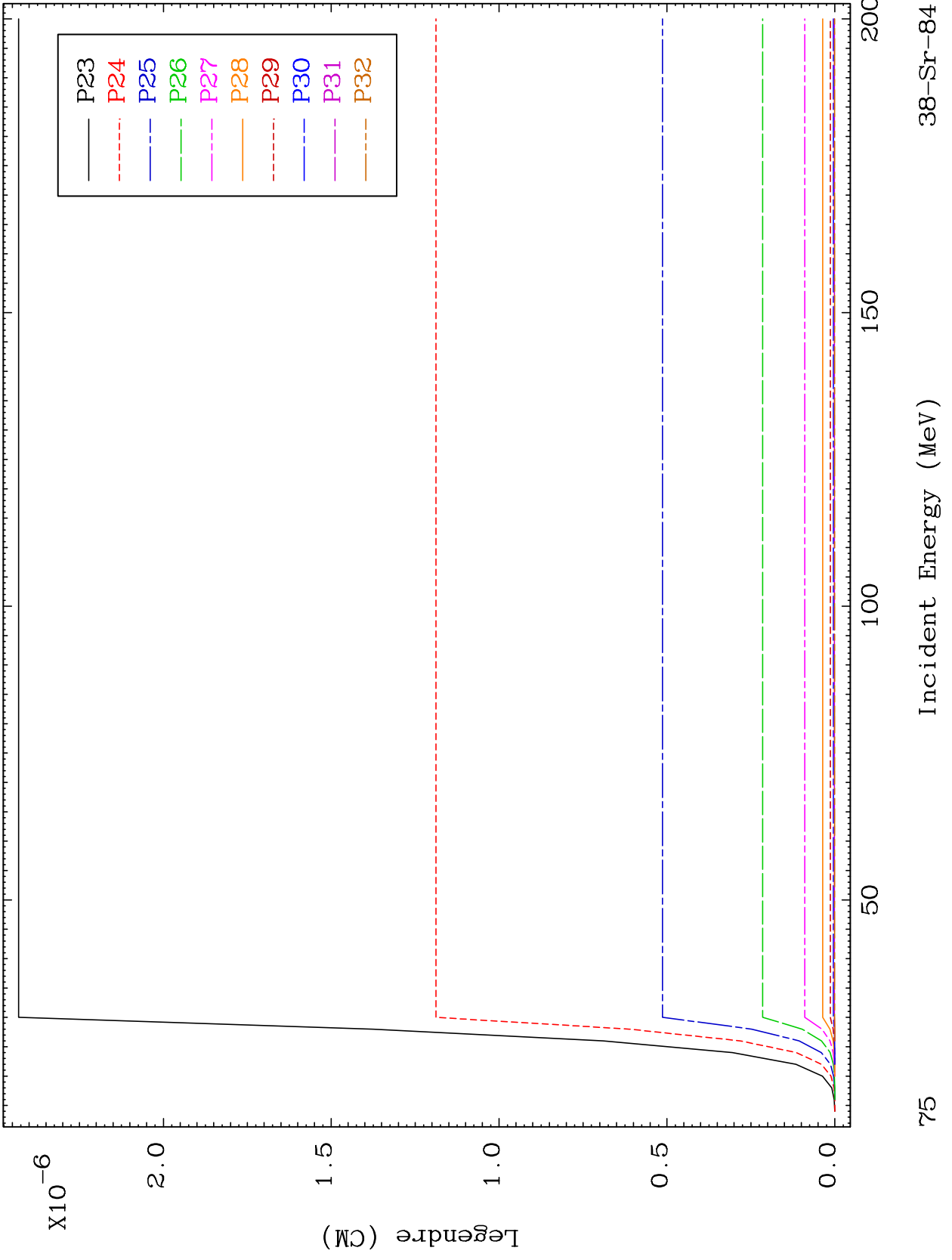
38-Sr-84

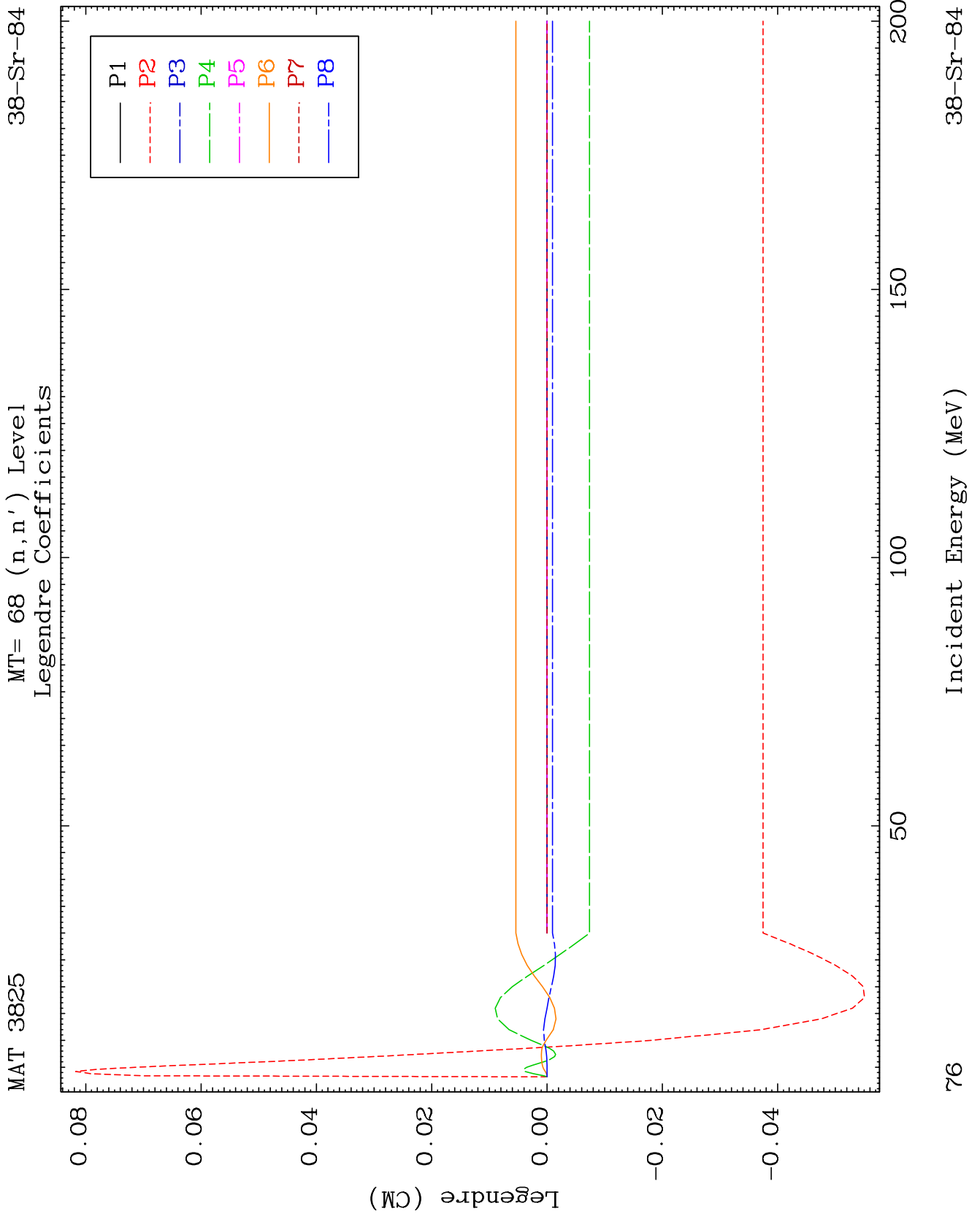


MAT 3825

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

38-Sr-84

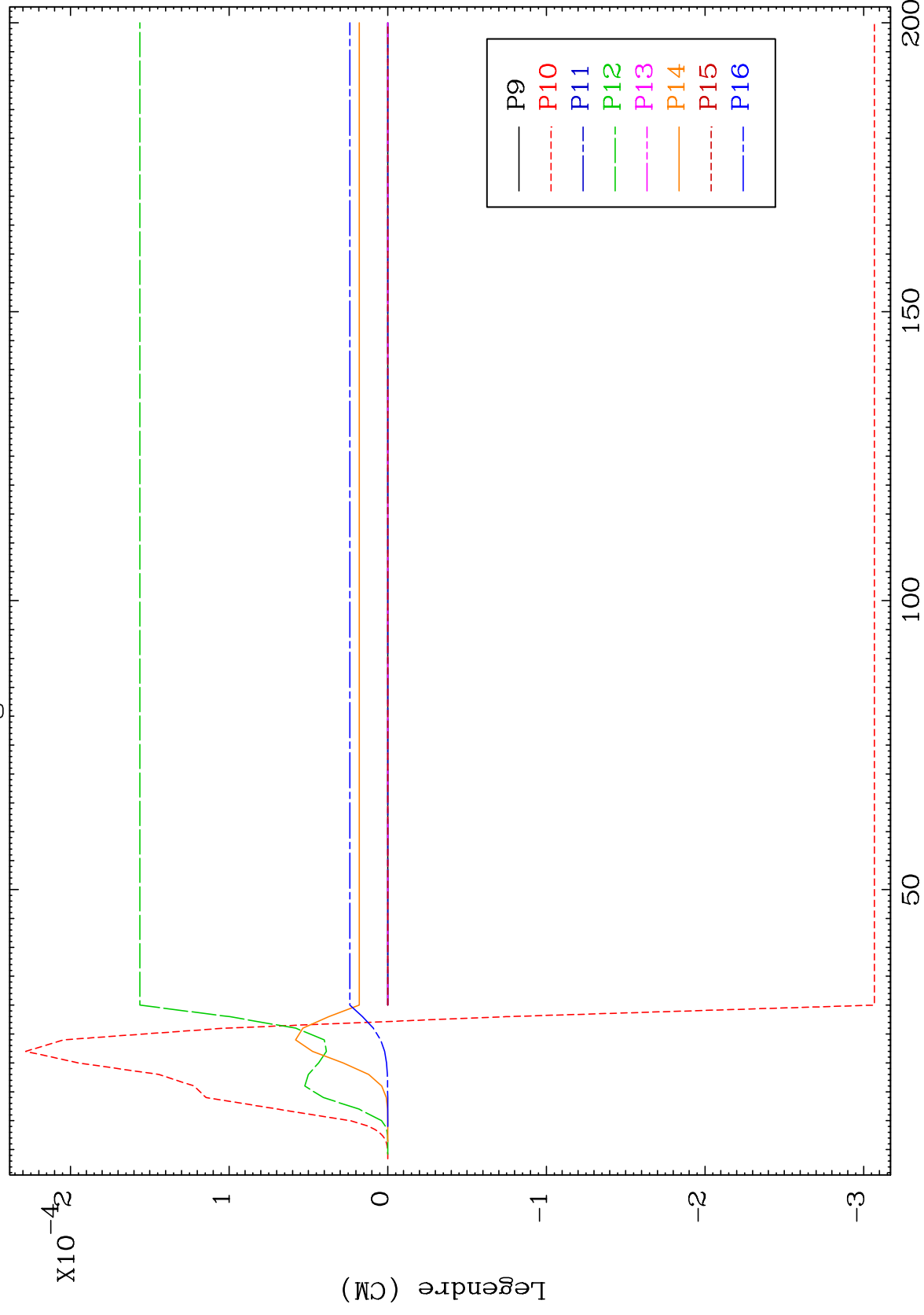




MAT 3825

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

38-Sr-84



77

Incident Energy (MeV)

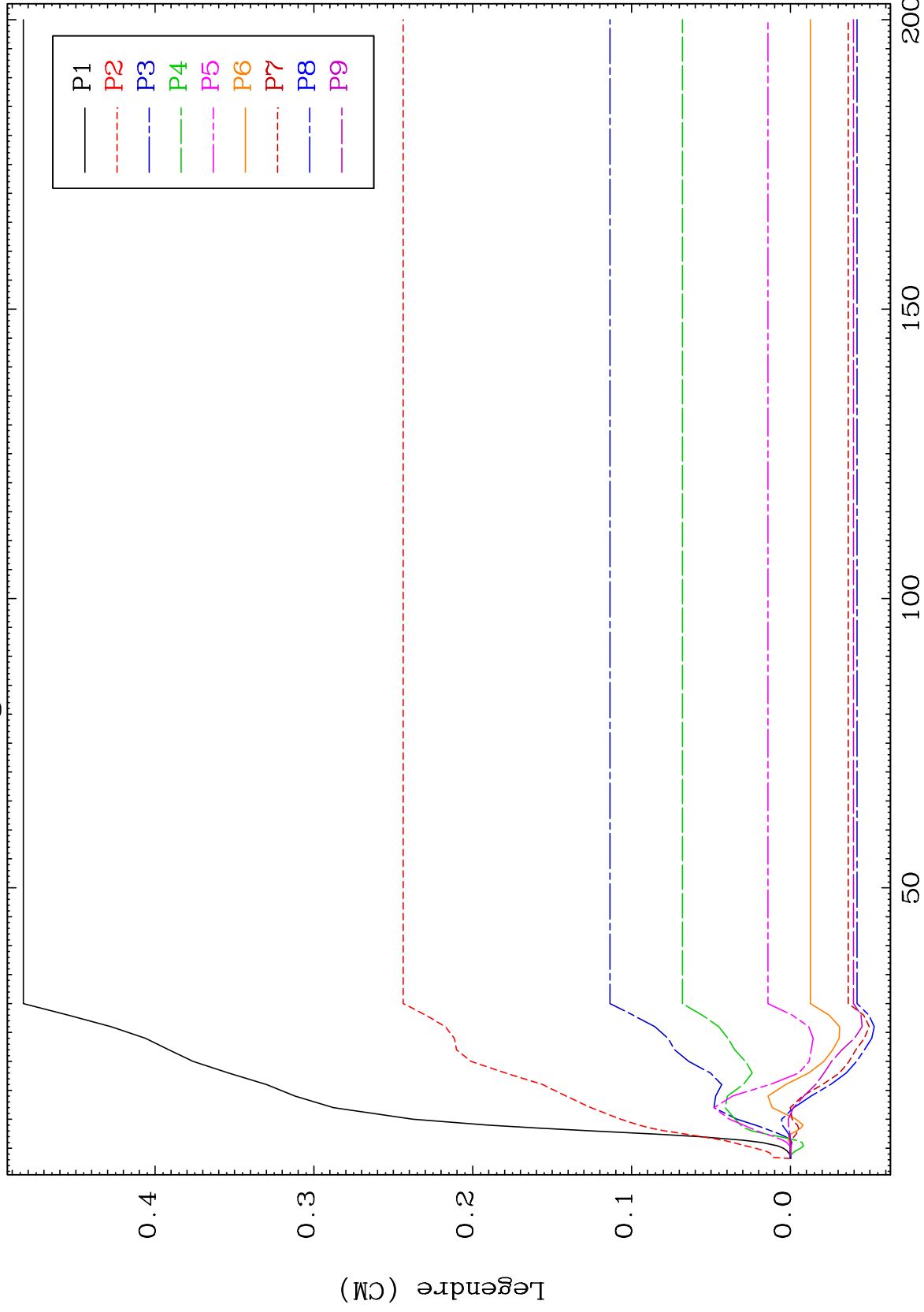
38-Sr-84



MAT 3825

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

38-Sr-84



79

Incident Energy (MeV)

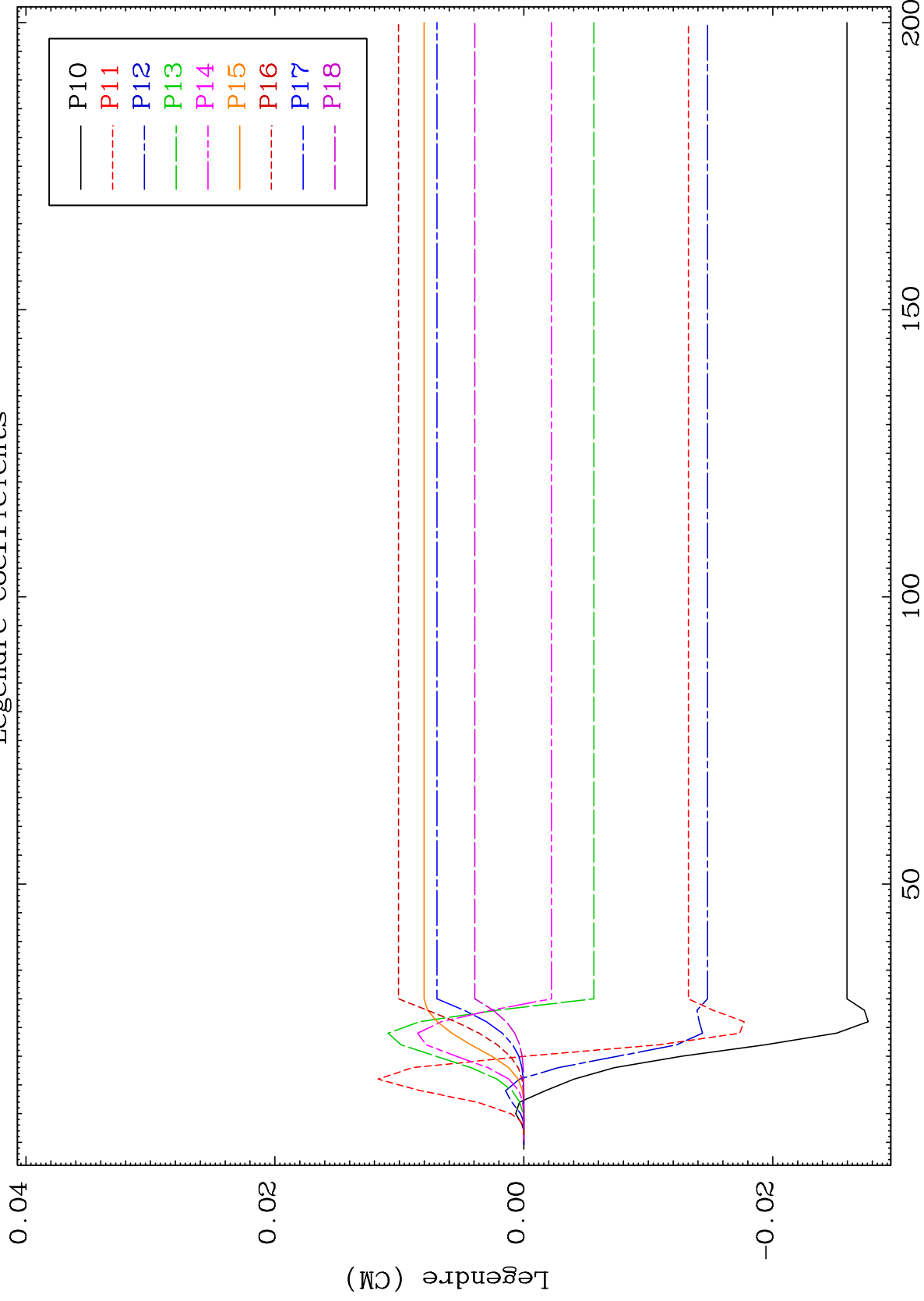
38-Sr-84



MAT 3825

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

38-Sr-84



80

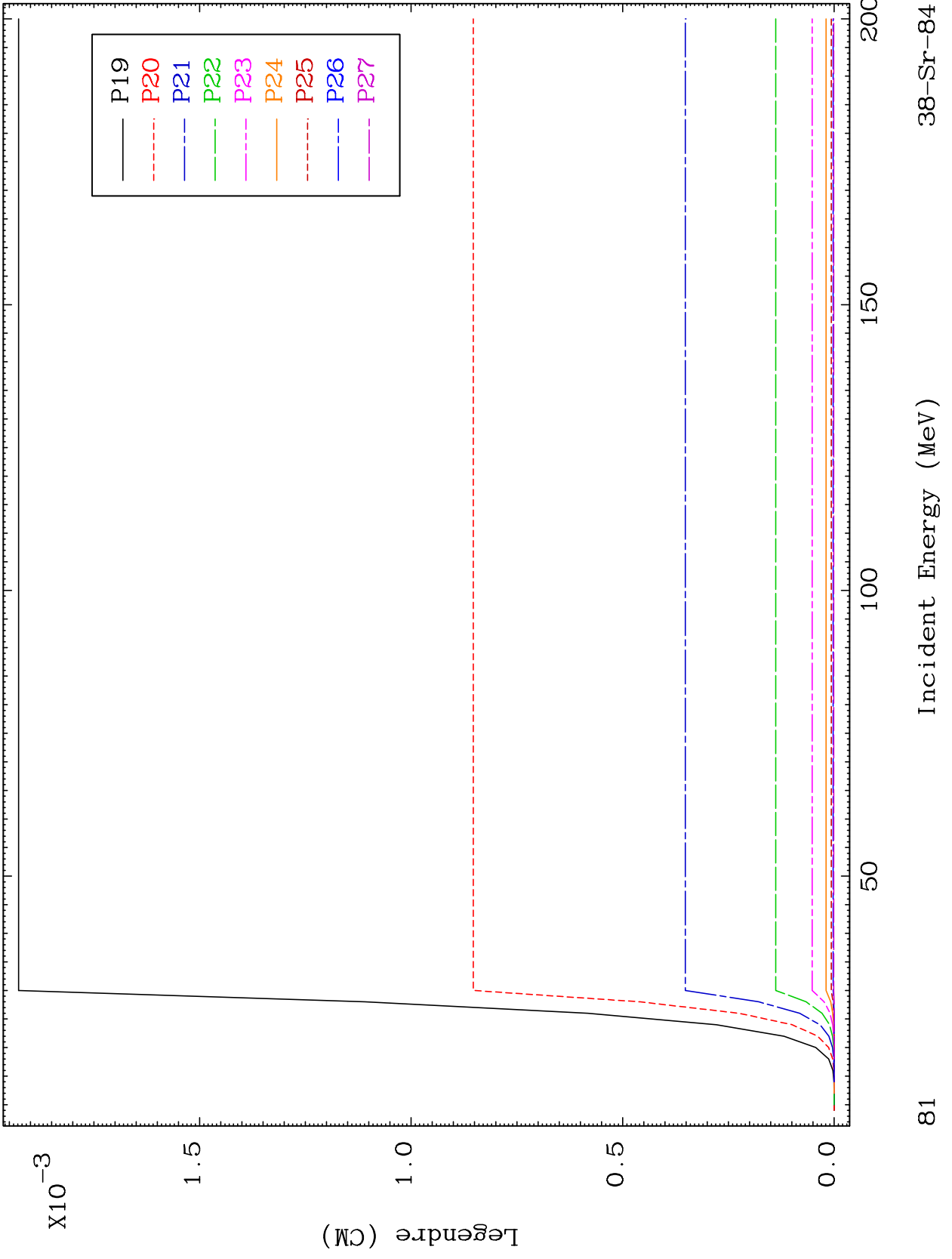
Incident Energy (MeV)

38-Sr-84

MAT 3825

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

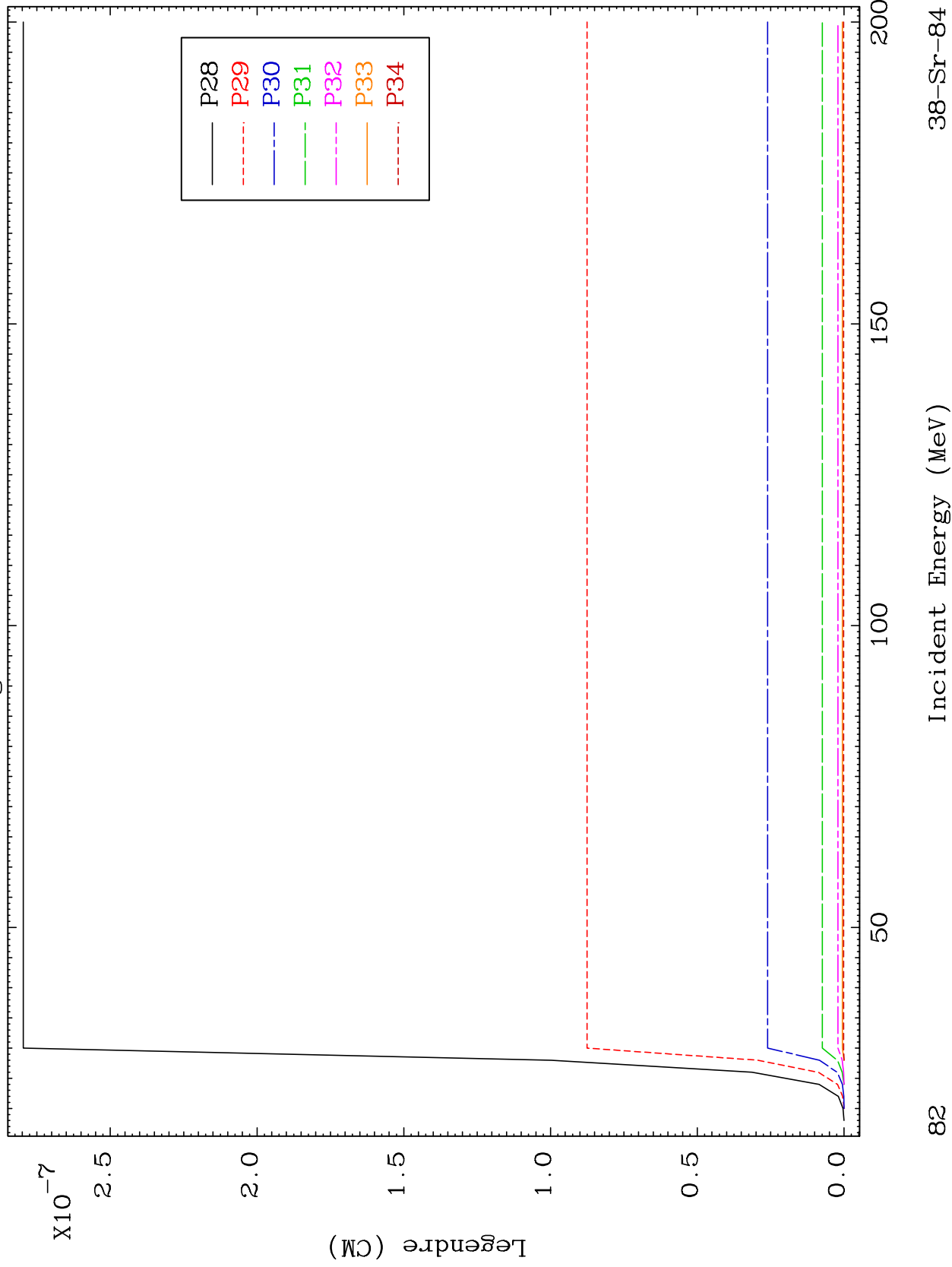
38-Sr-84



MAT 3825

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

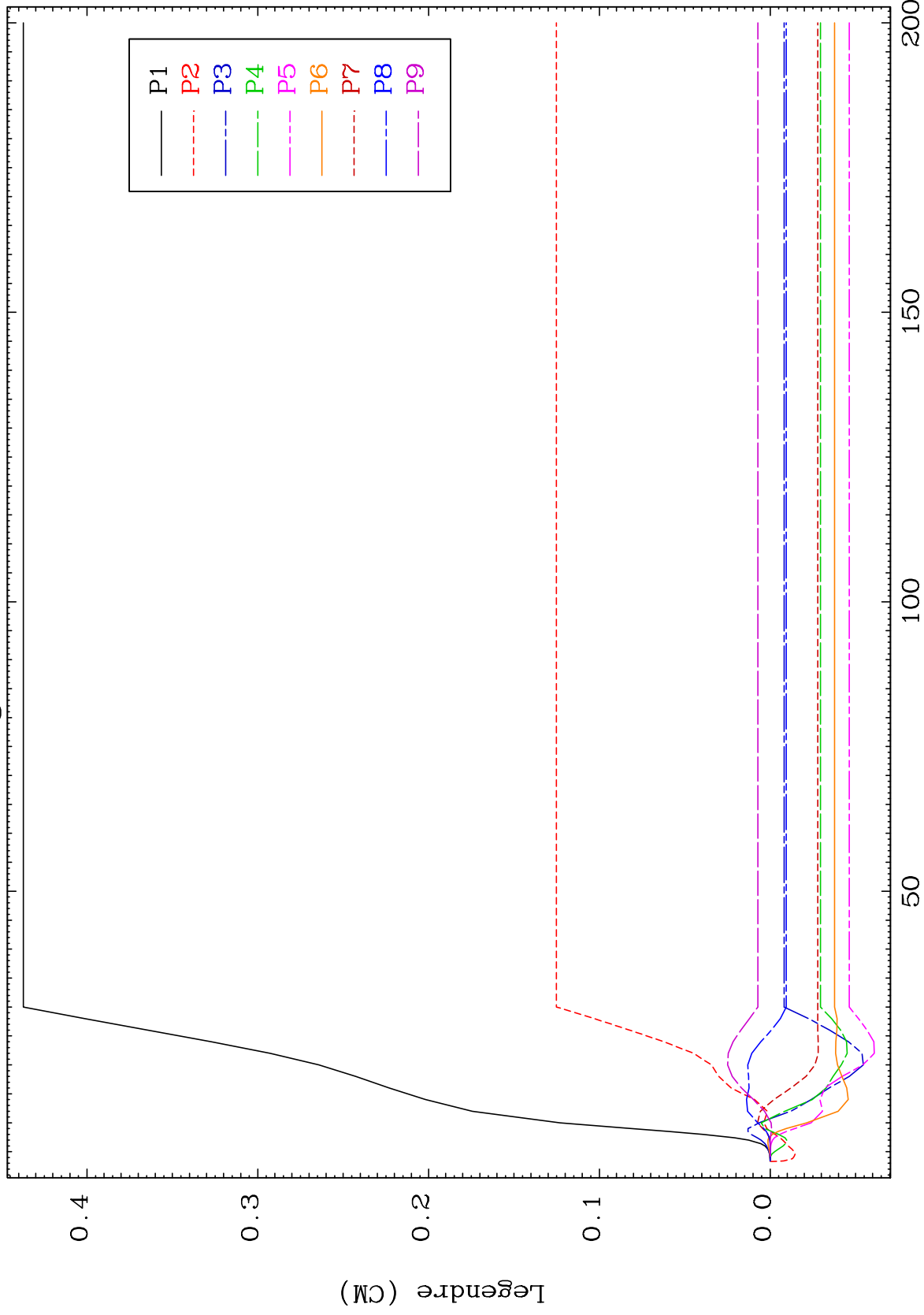
38-Sr-84



MAT 3825

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

38-Sr-84



83

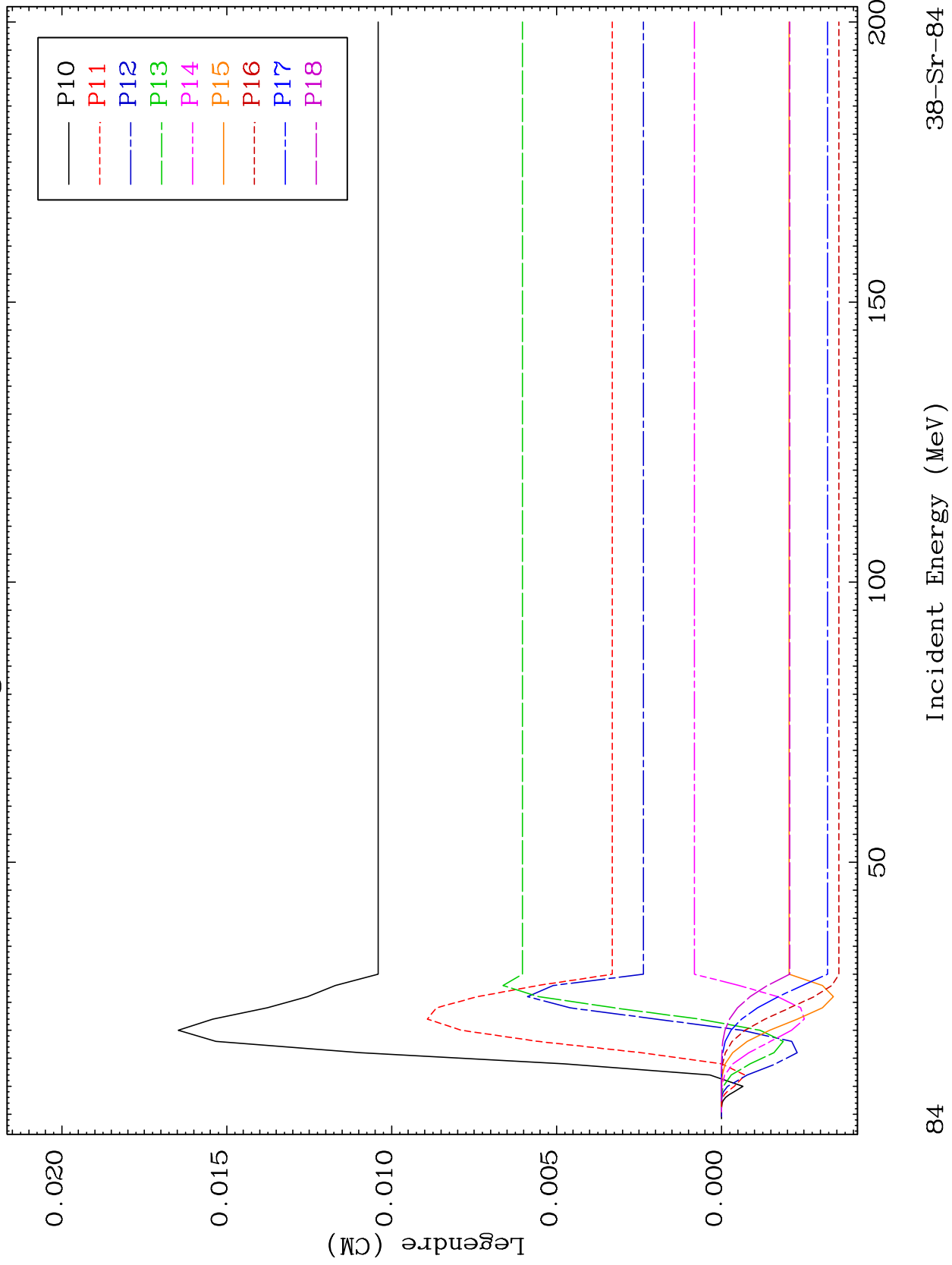
Incident Energy (MeV)

38-Sr-84

MAT 3825

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

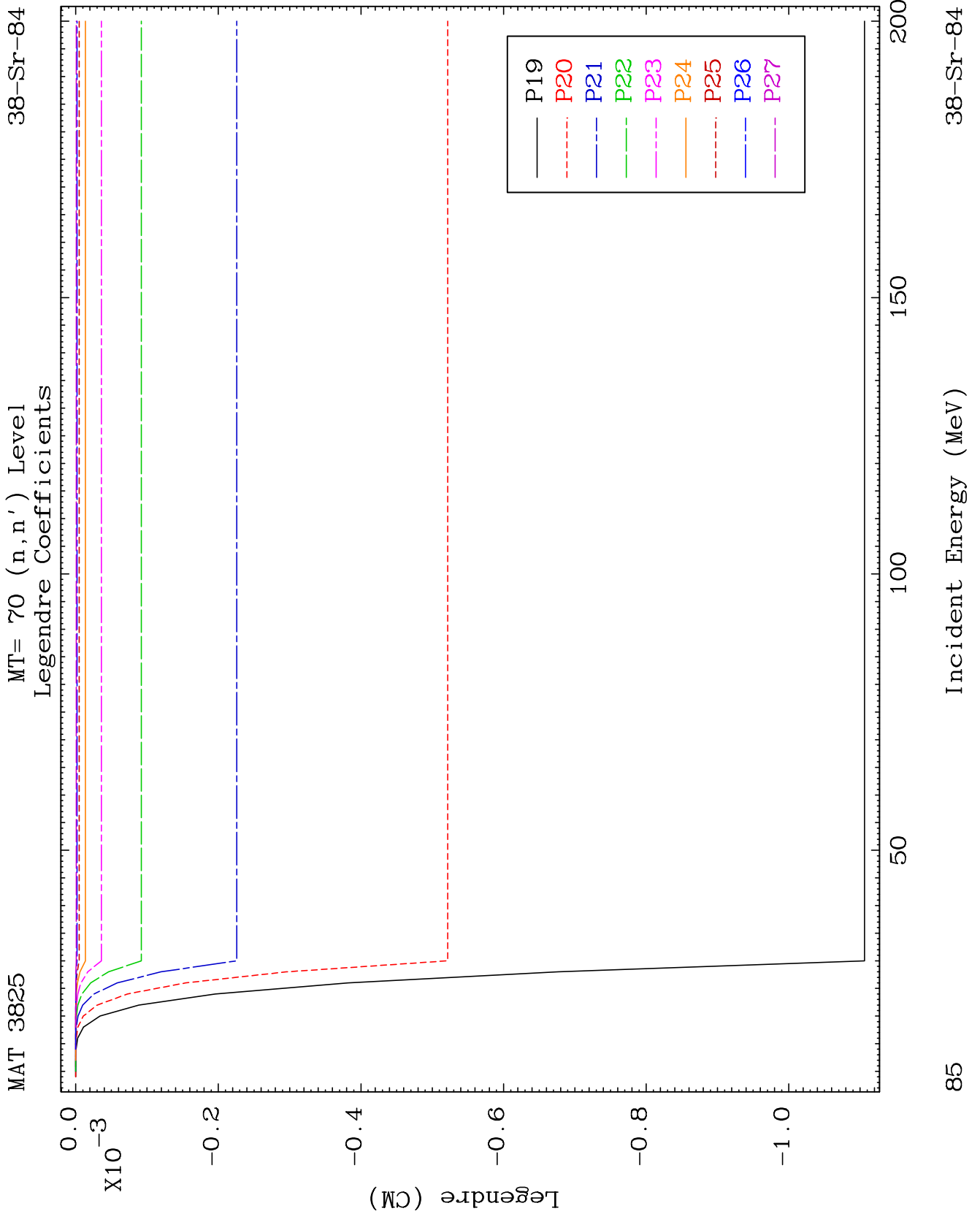
38-Sr-84

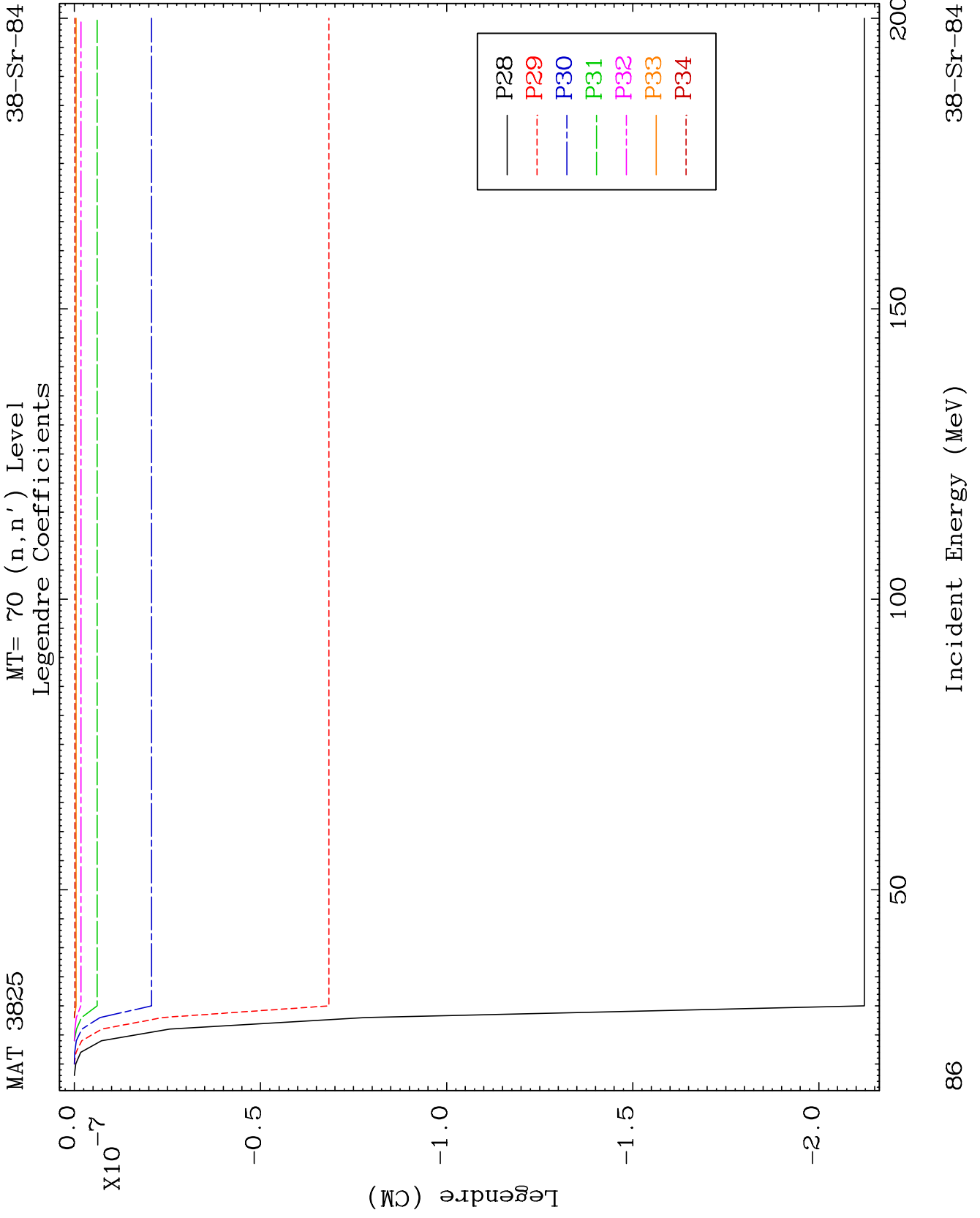


84

Incident Energy (MeV)

38-Sr-84

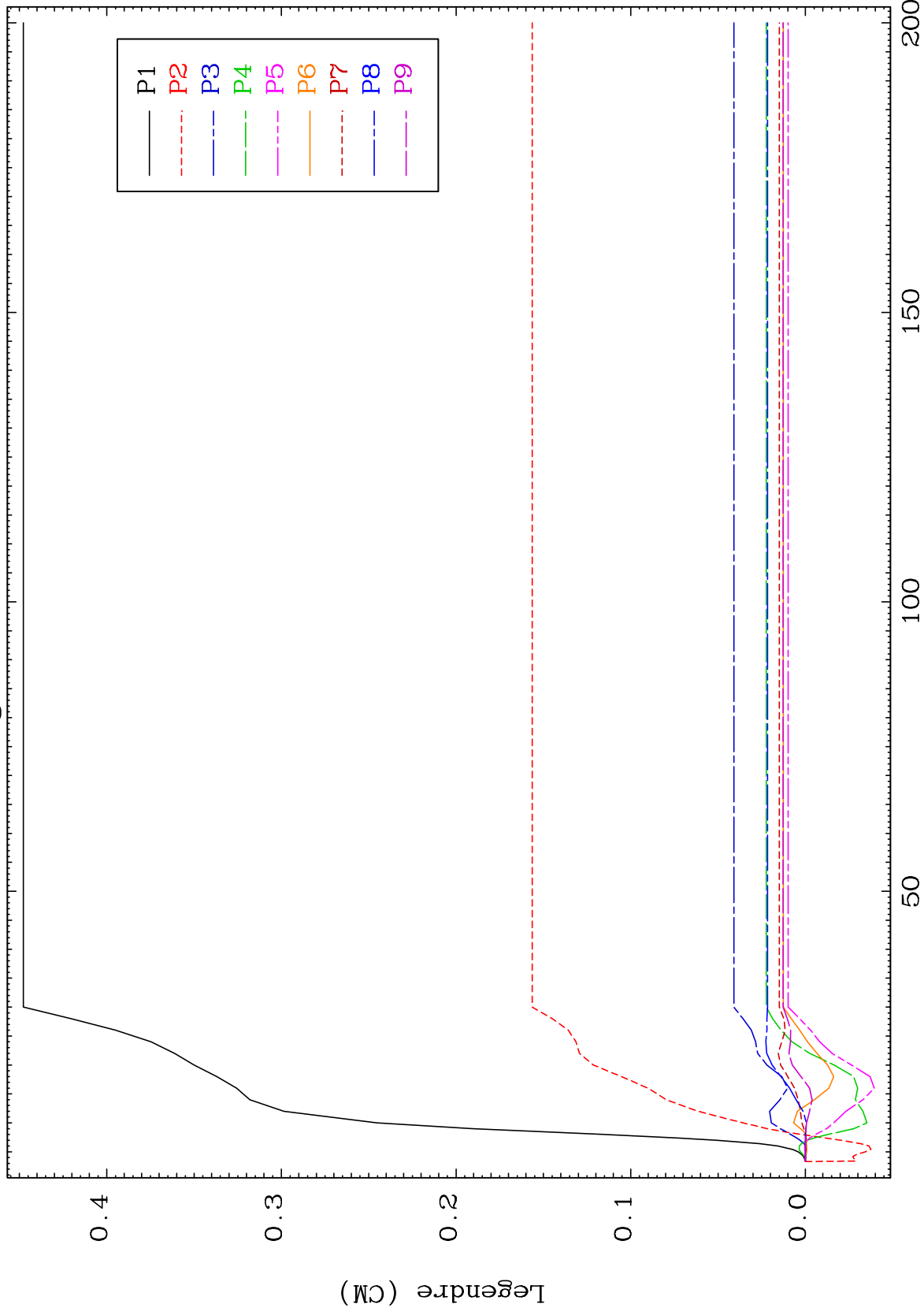




MAT 3825

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

38-Sr-84

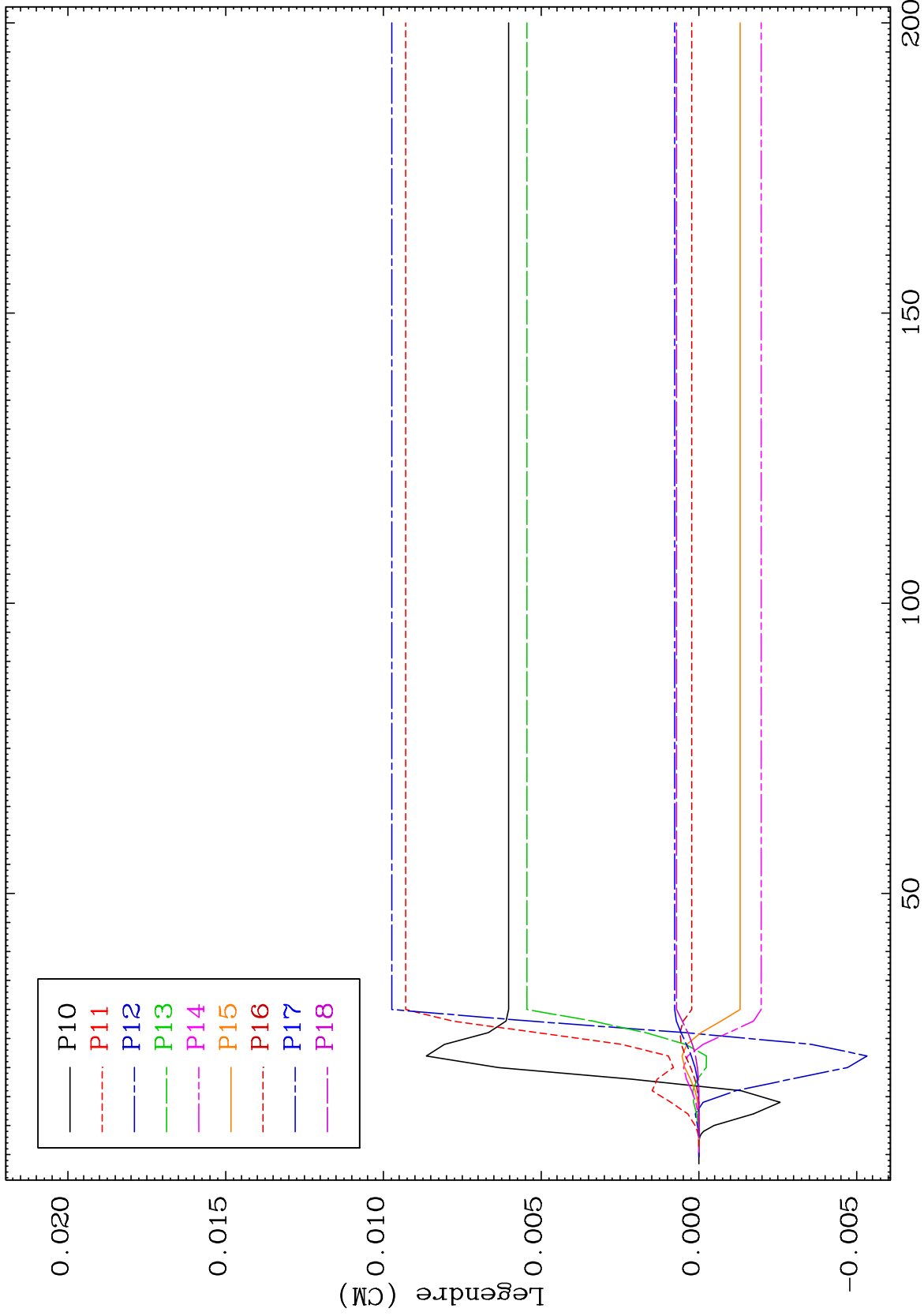


87

Incident Energy (MeV)

38-Sr-84

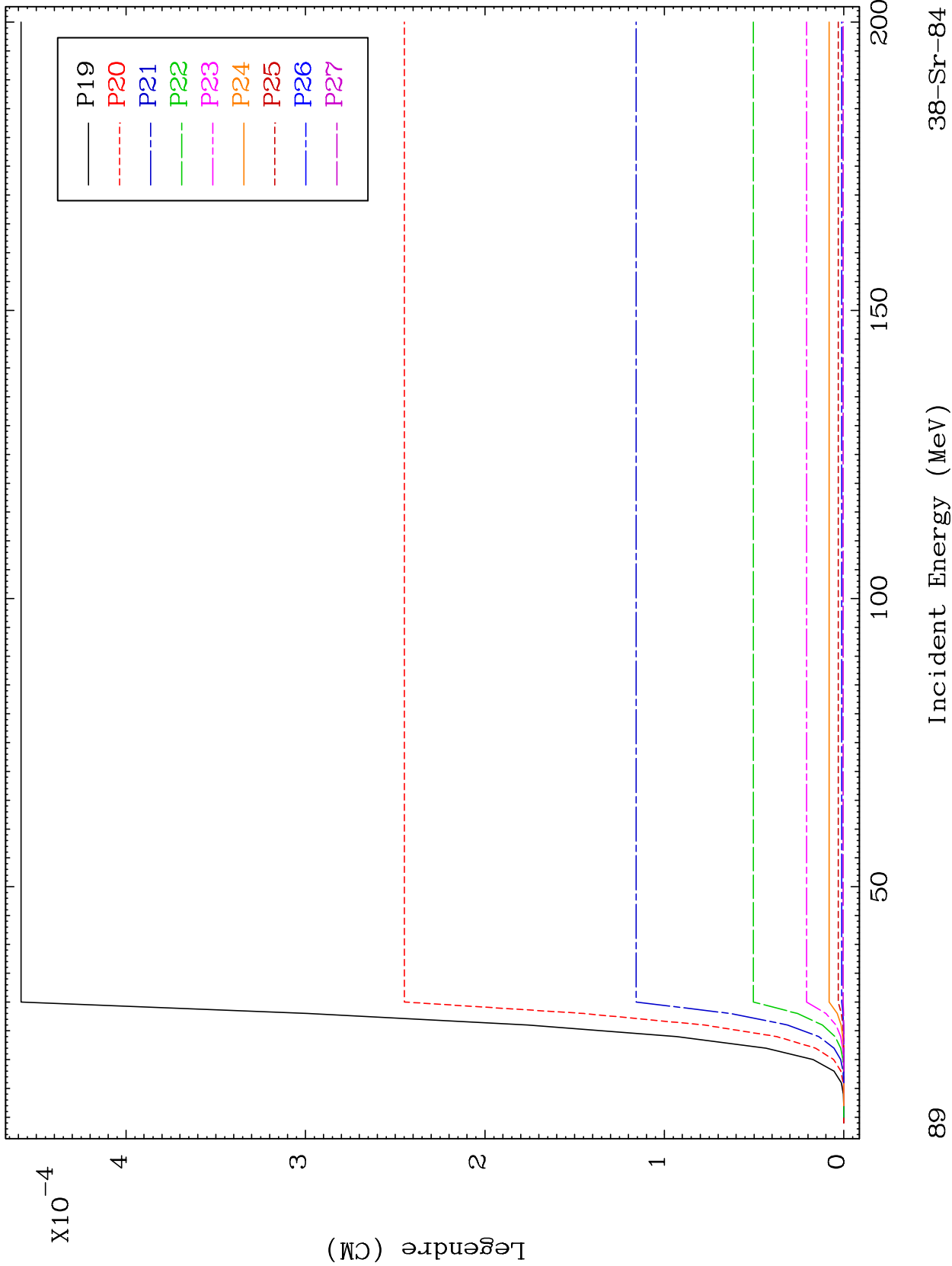




MAT 3825

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

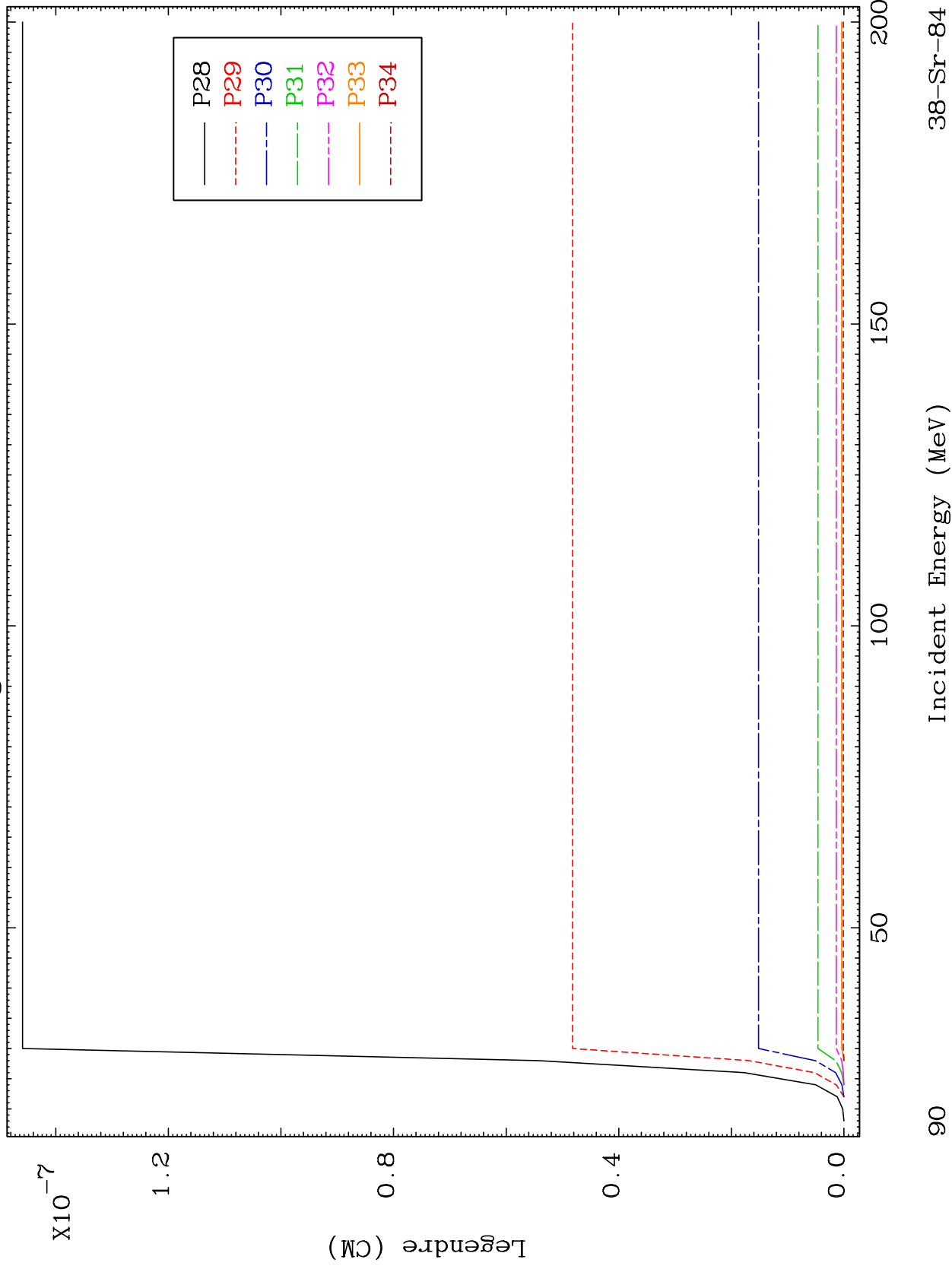
38-Sr-84



MAT 3825

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

38-Sr-84

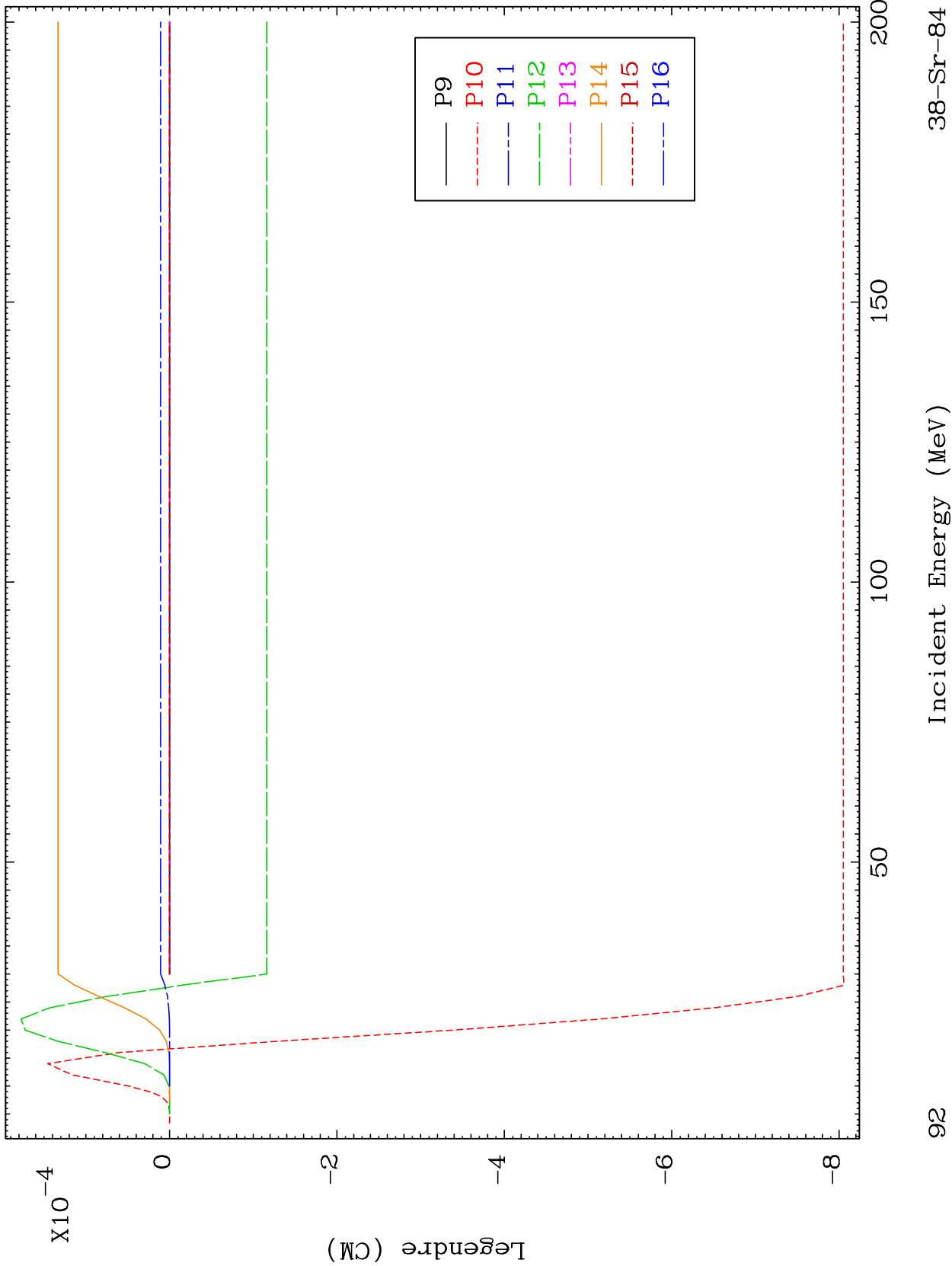




MAT 3825

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

38-Sr-84



92

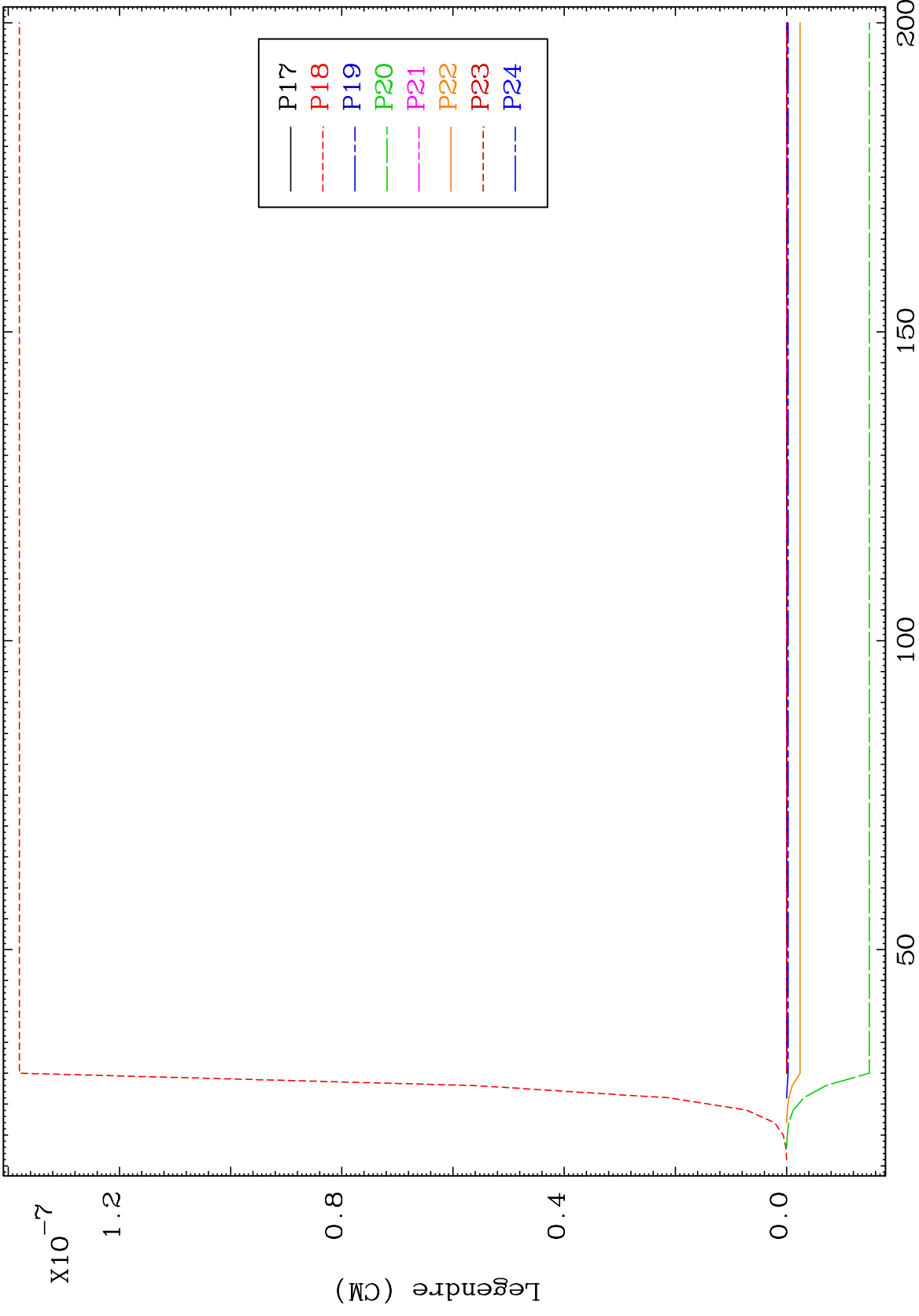
Incident Energy (MeV)

38-Sr-84

MAT 3825

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

38-Sr-84



93

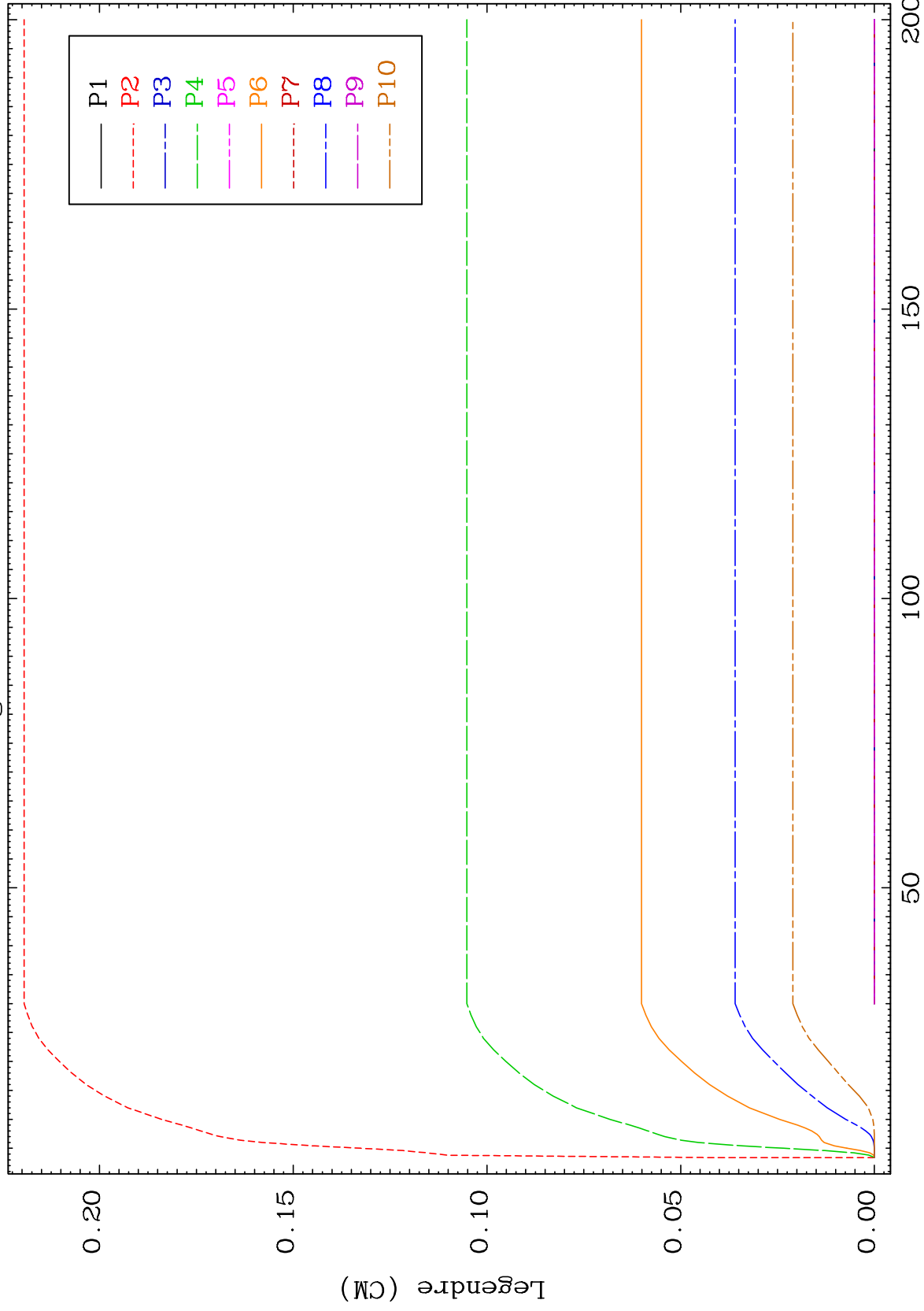
Incident Energy (MeV)

38-Sr-84

MAT 3825

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

38-Sr-84



94

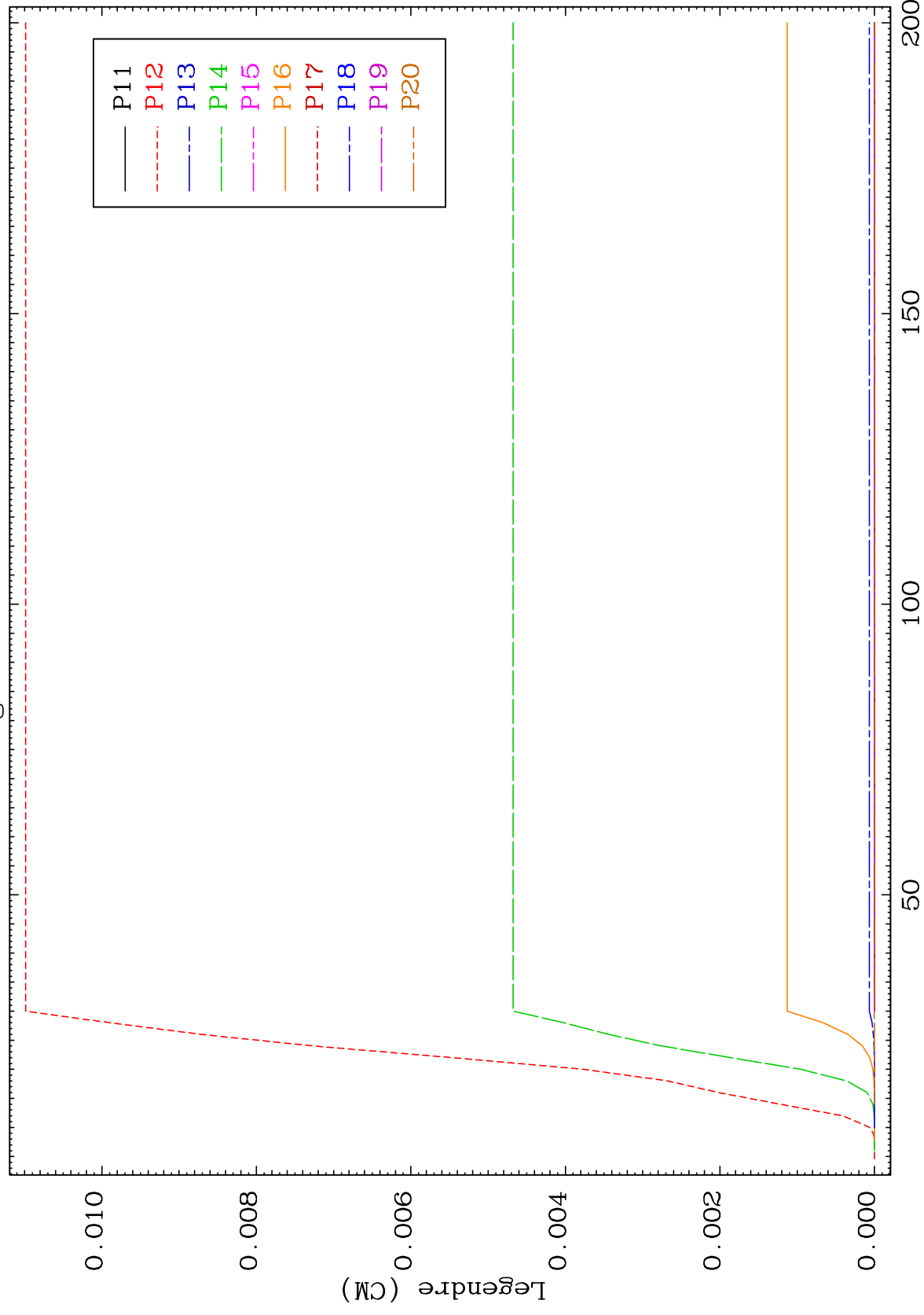
Incident Energy (MeV)

38-Sr-84

MAT 3825

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

38-Sr-84



95

Incident Energy (MeV)

38-Sr-84

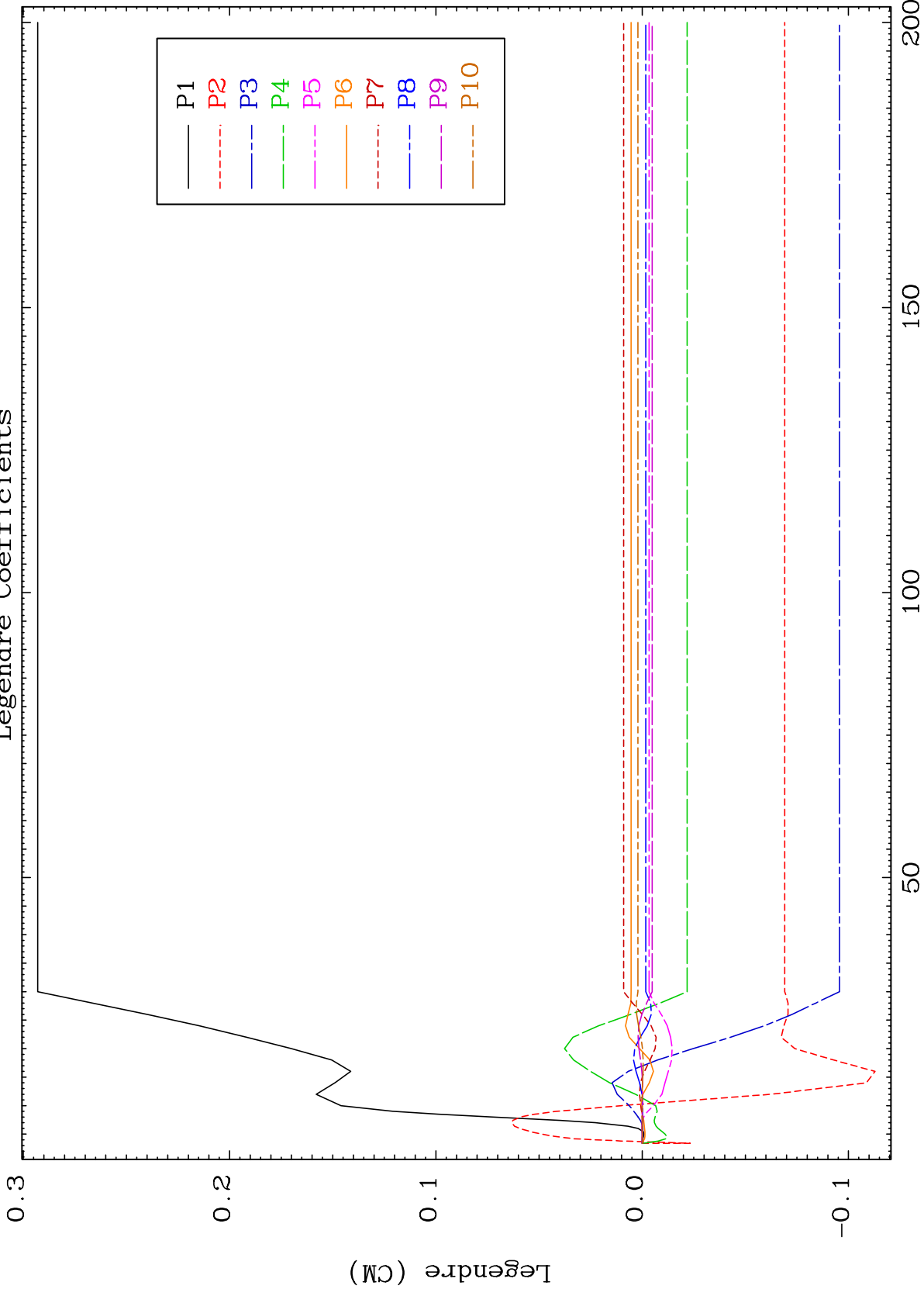




MAT 3825

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

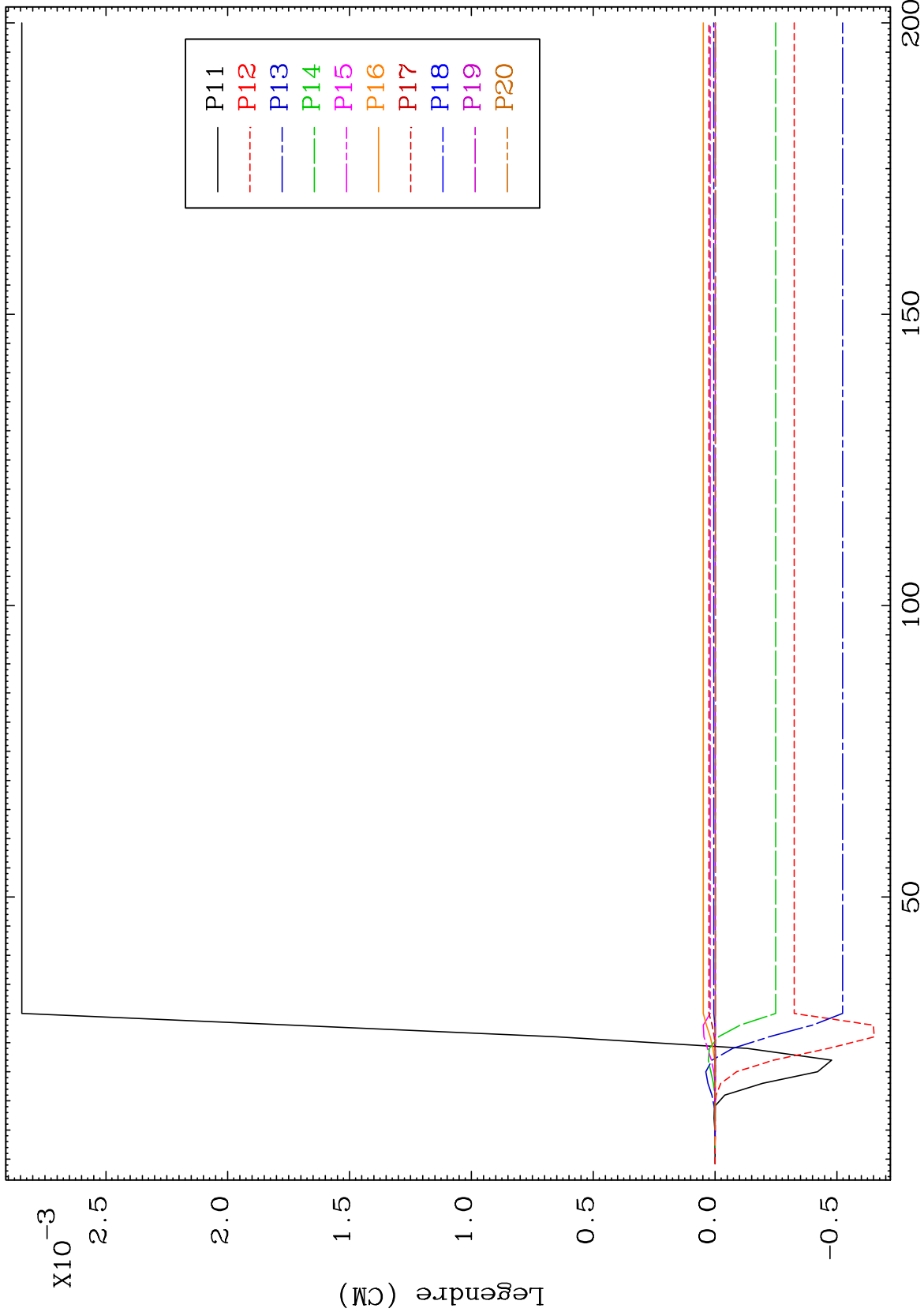
38-Sr-84



97

Incident Energy (MeV)

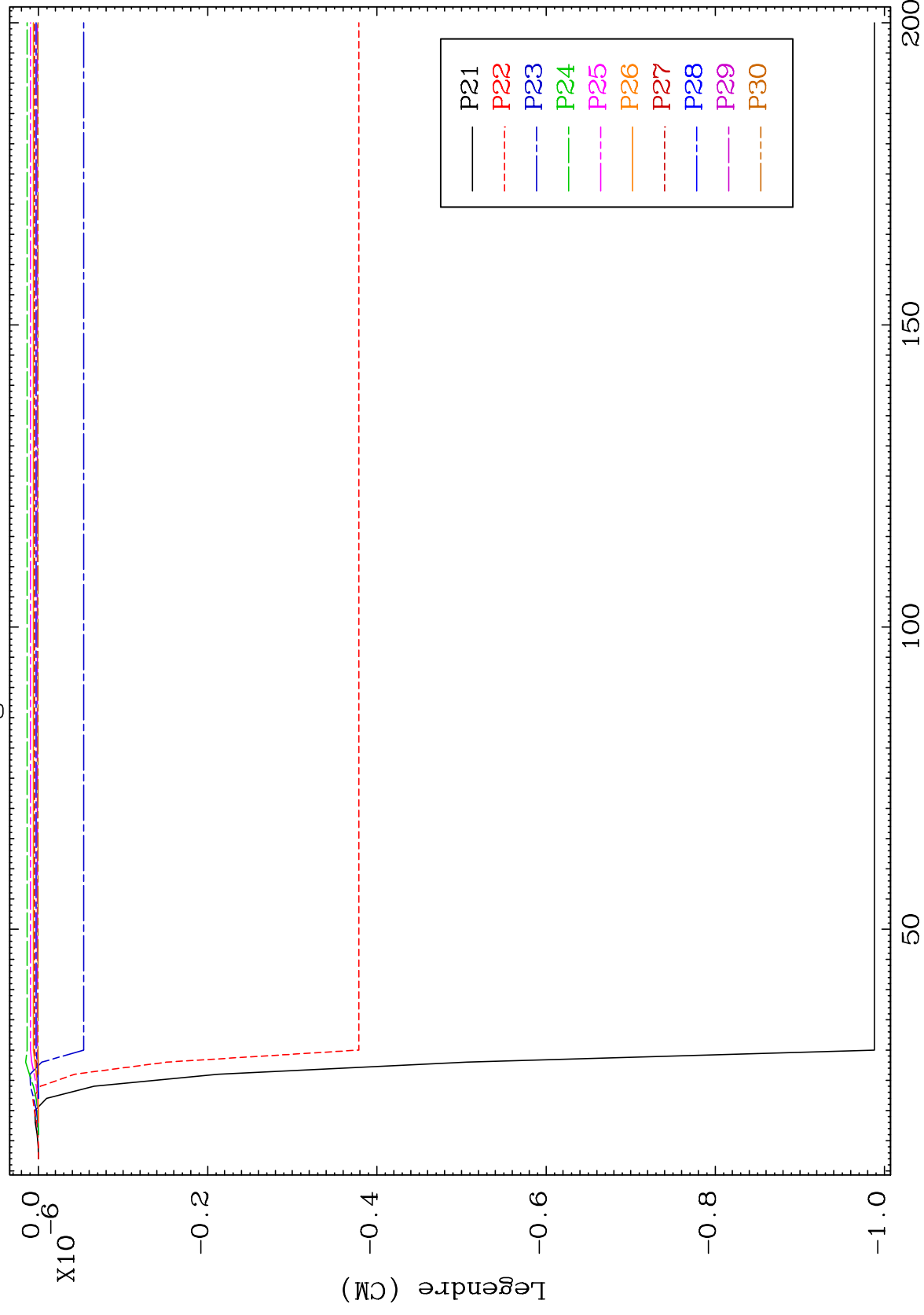
38-Sr-84



MAT 3825

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

38-Sr-84



99

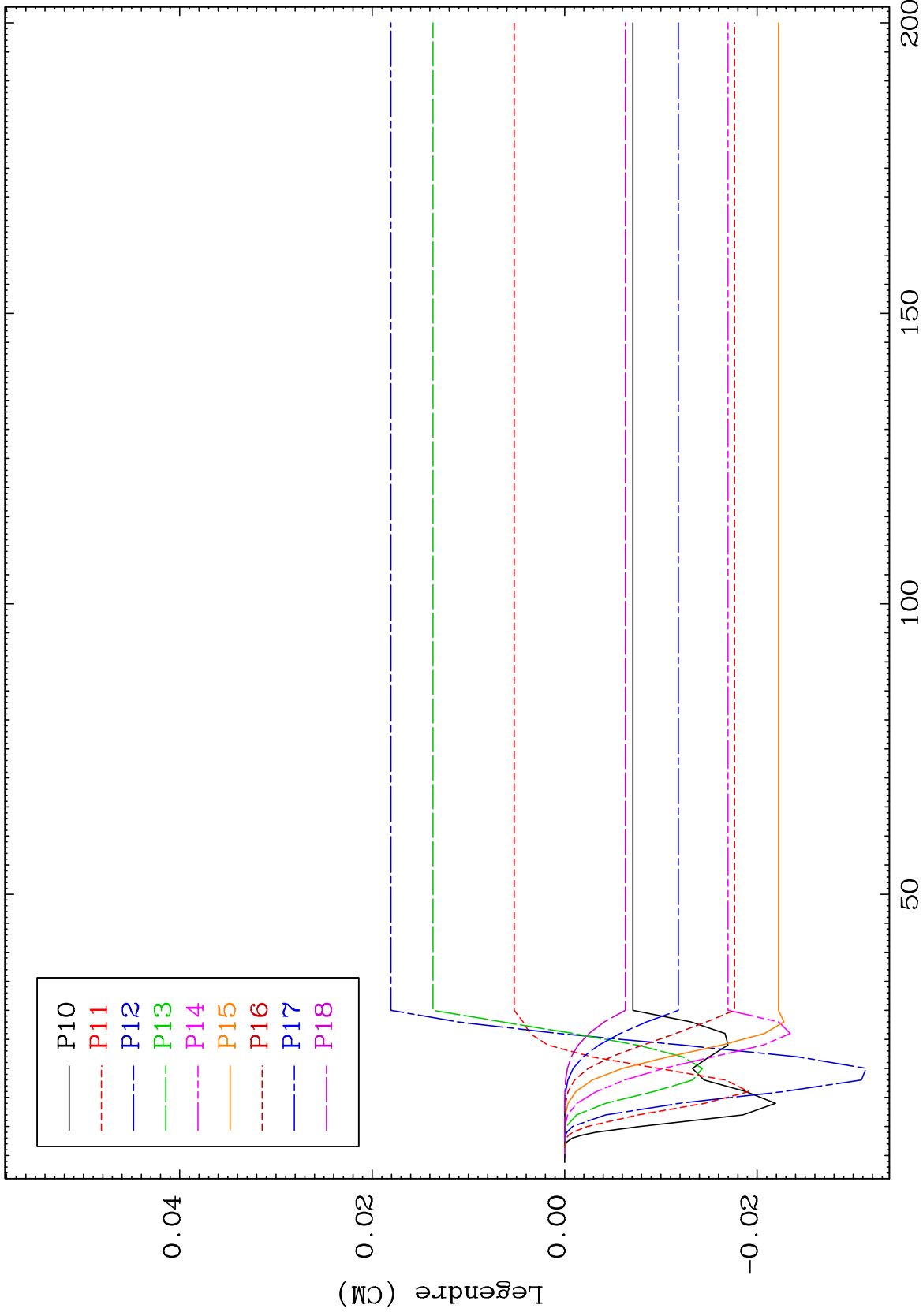
38-Sr-84



MAT 3825

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

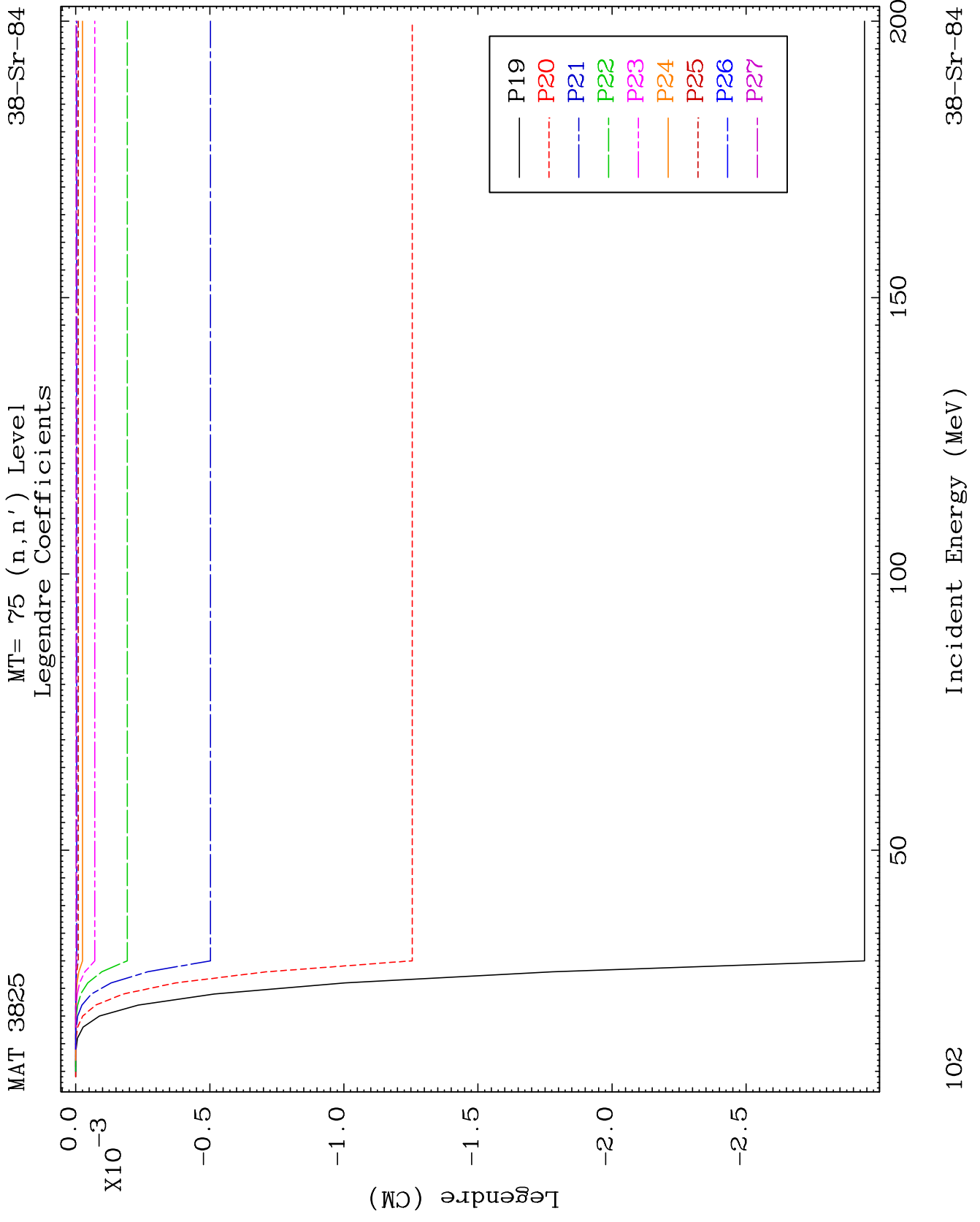
38-Sr-84

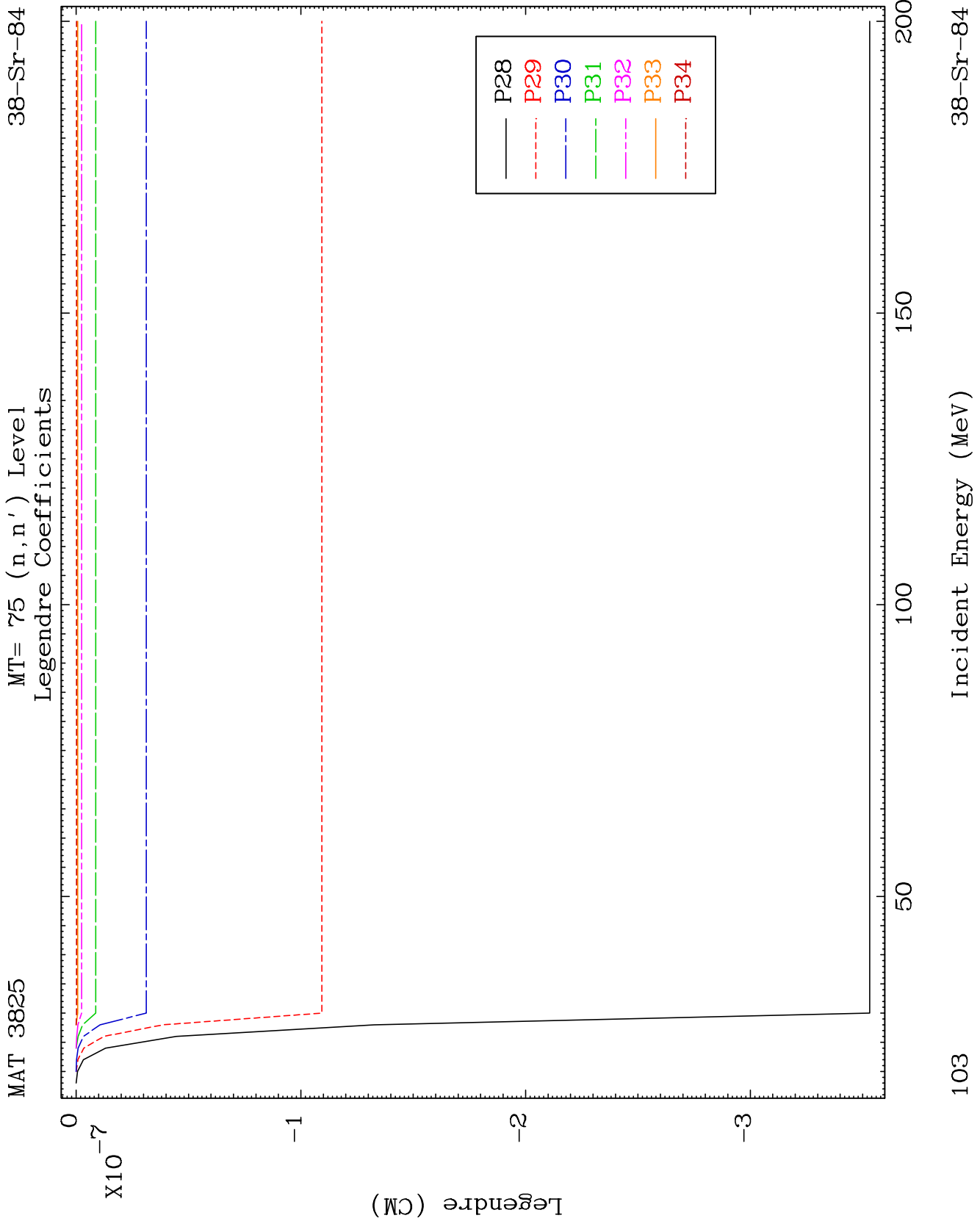


101

Incident Energy (MeV)

38-Sr-84



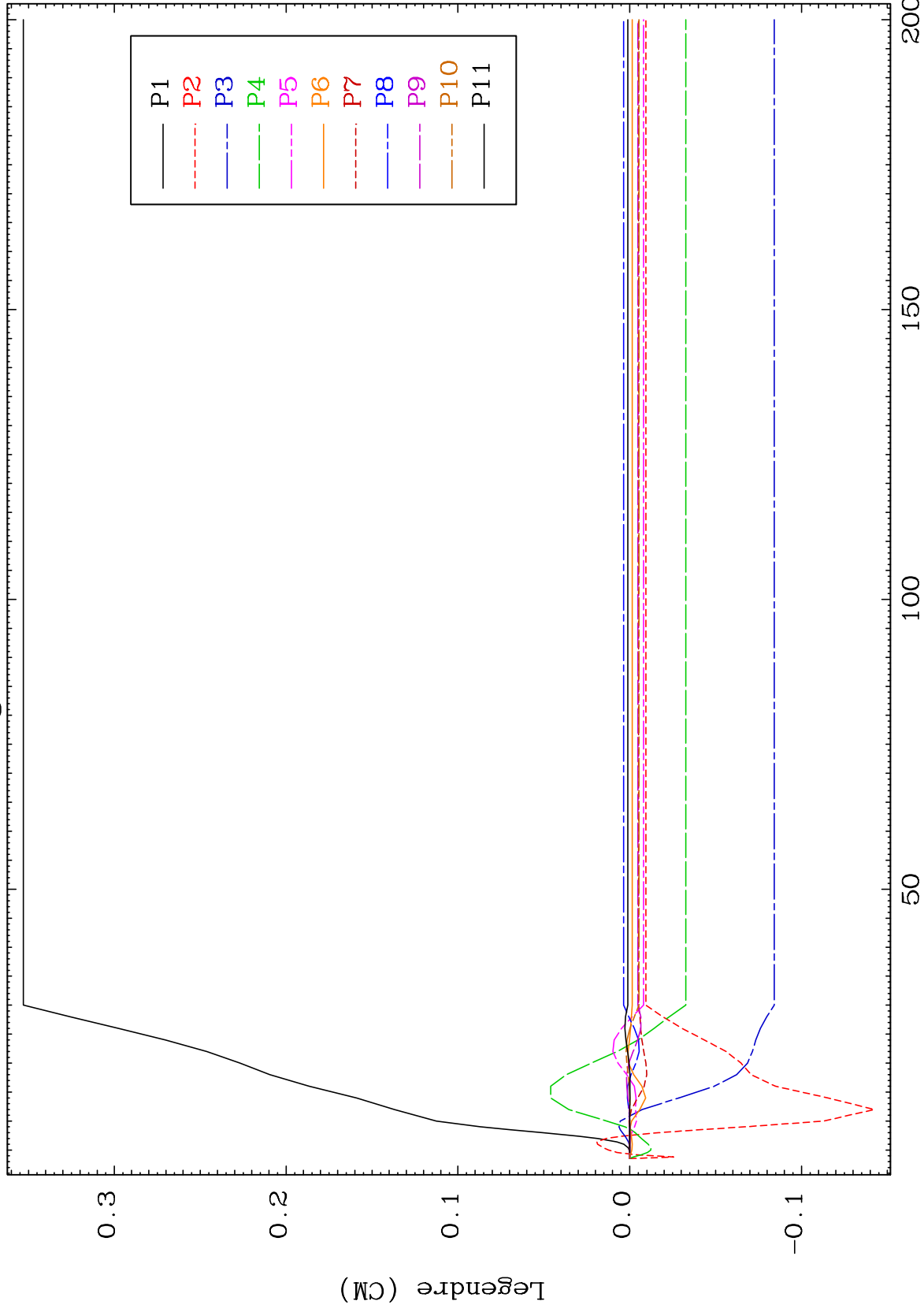




MAT 3825

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

38-Sr-84



104

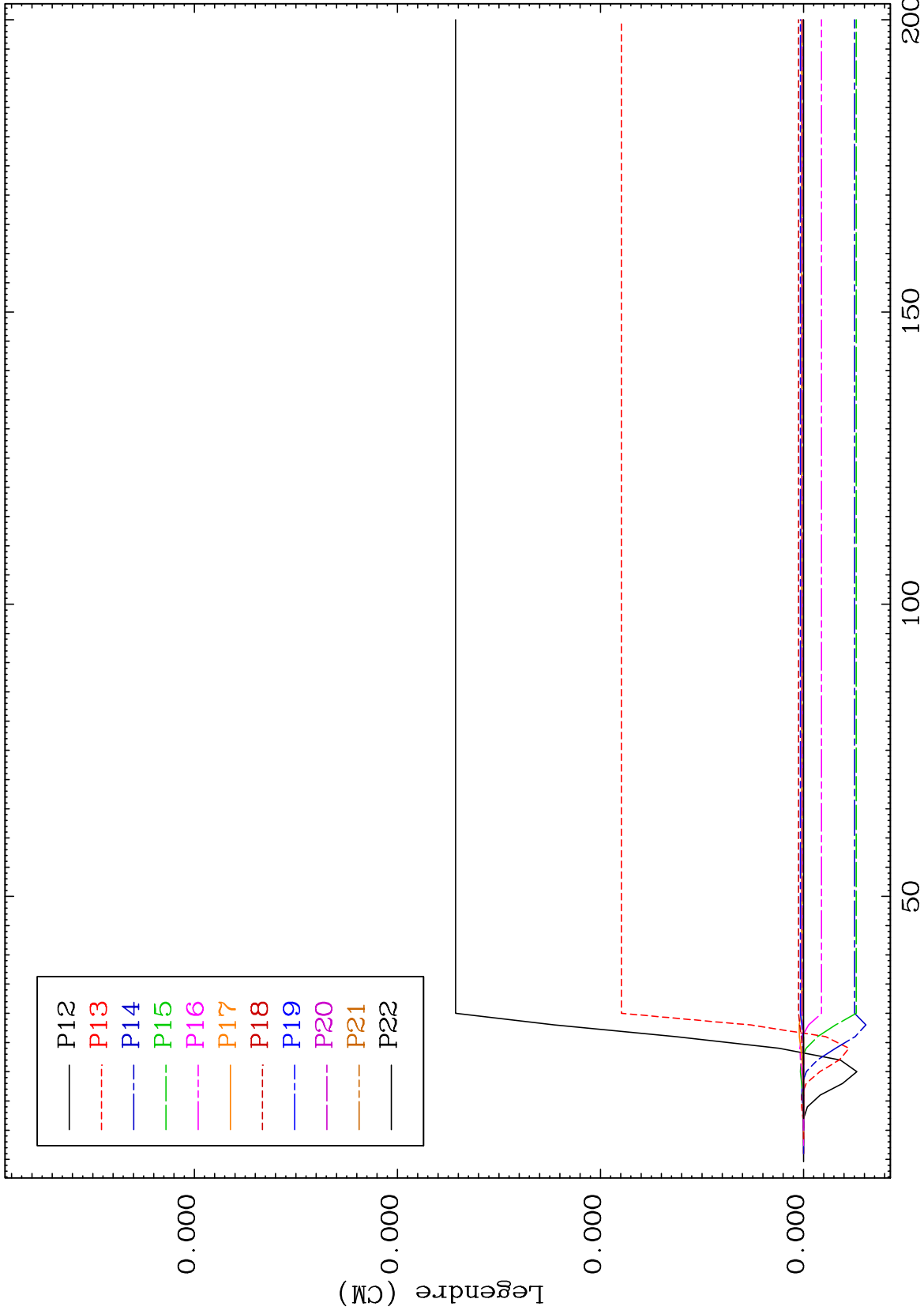
Incident Energy (MeV)

38-Sr-84

MAT 3825

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

38-Sr-84



105

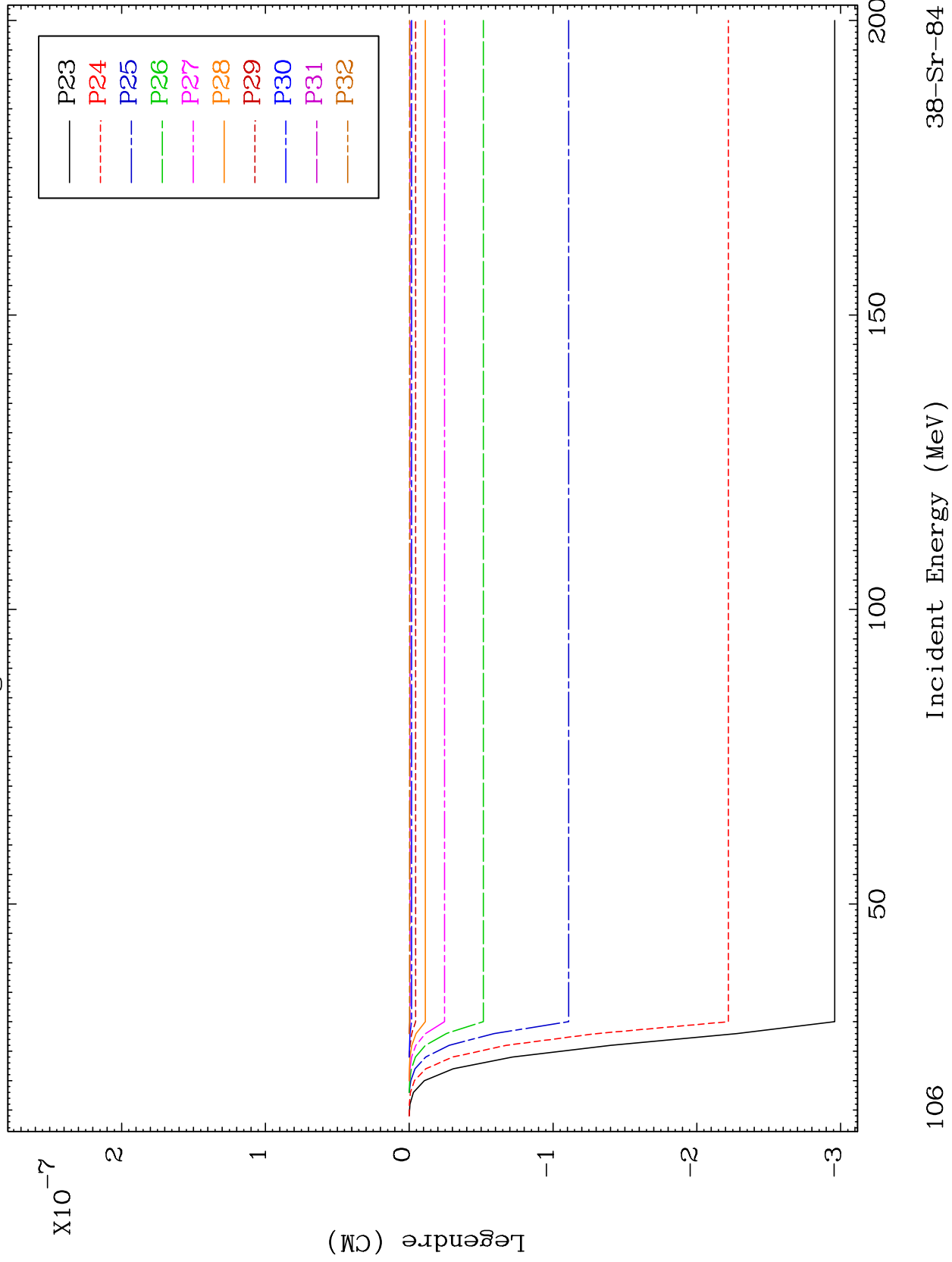
Incident Energy (MeV)

38-Sr-84

MAT 3825

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

38-Sr-84



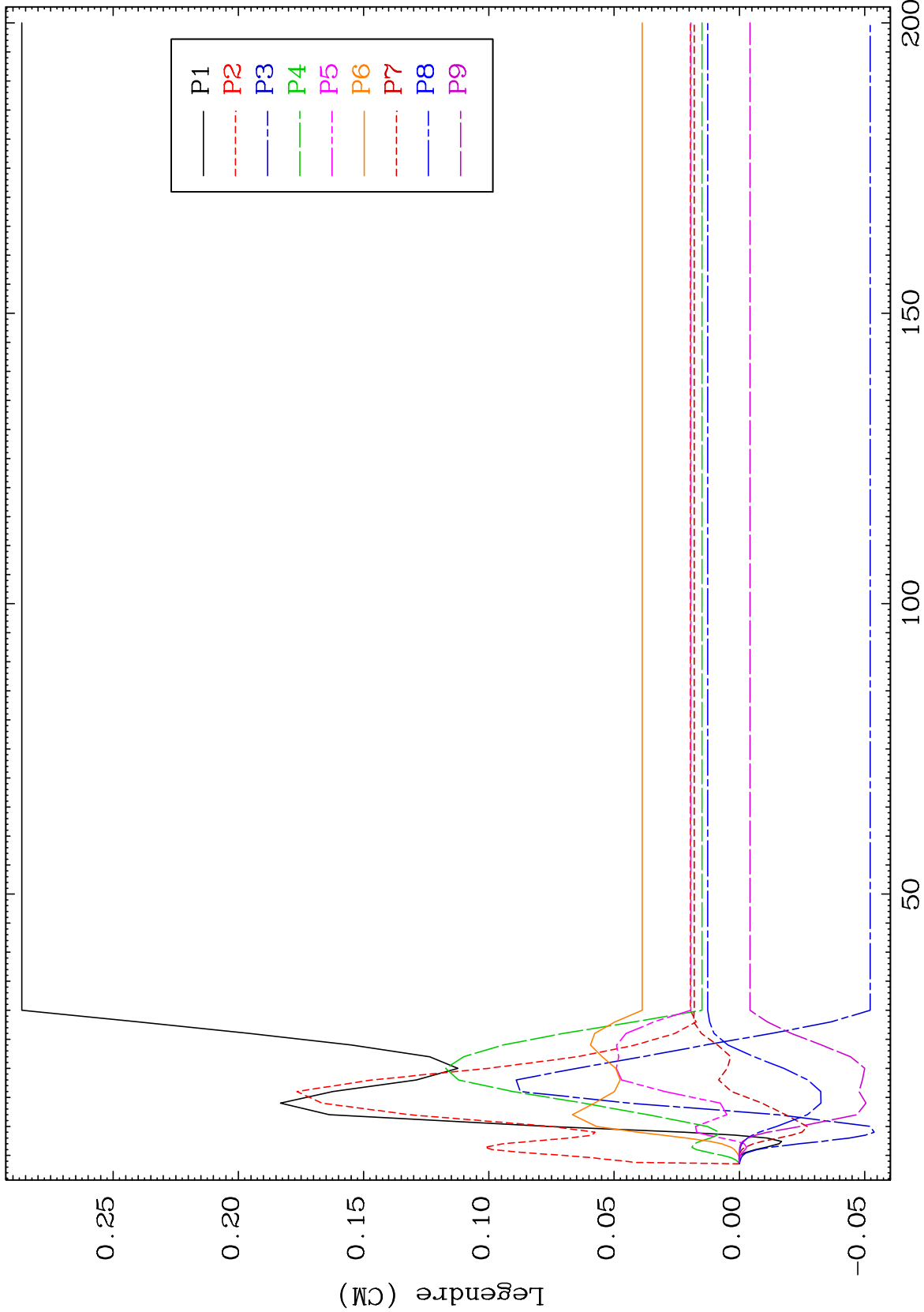
106

38-Sr-84

MAT 3825

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

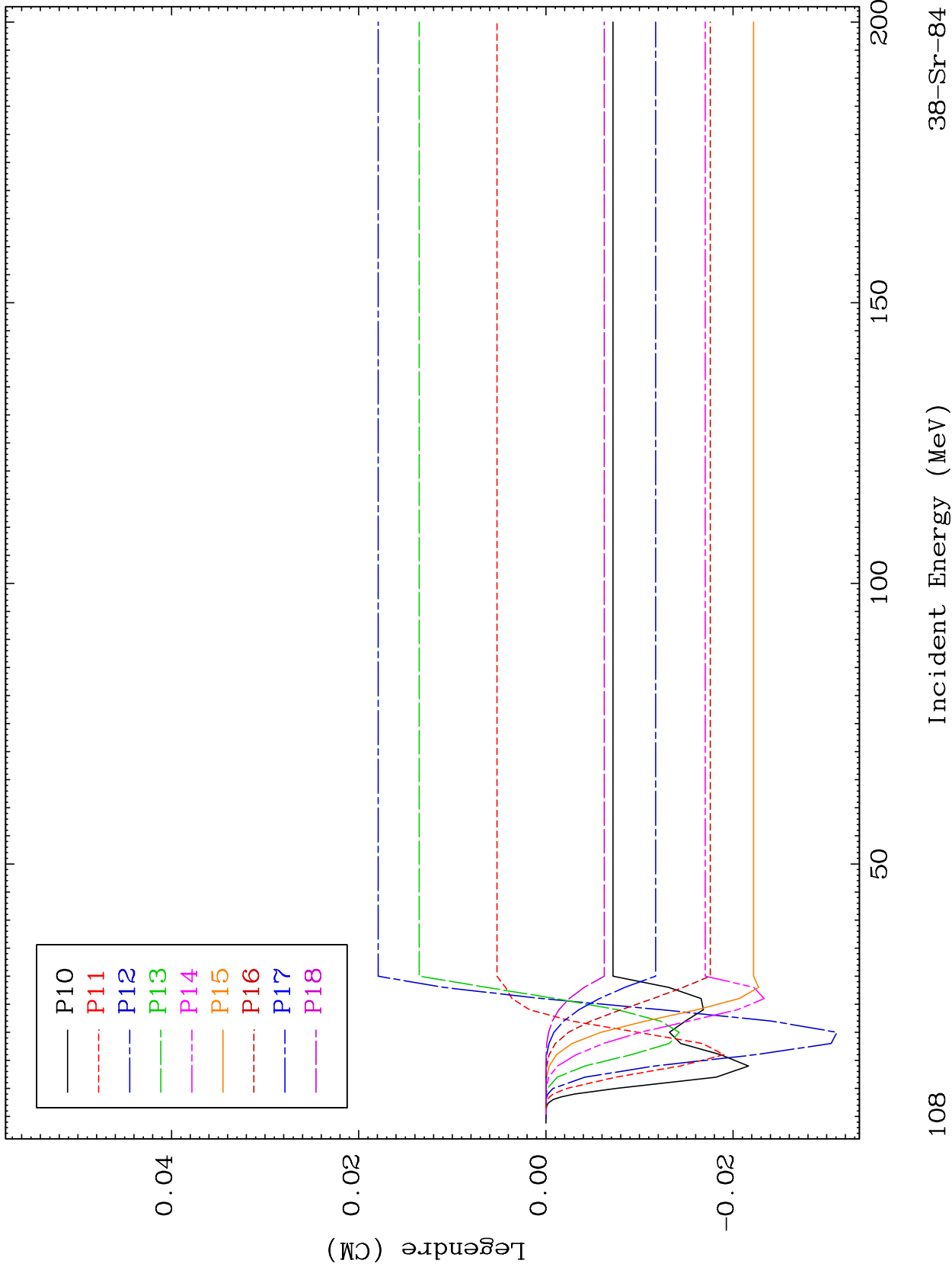
38-Sr-84



107

Incident Energy (MeV)

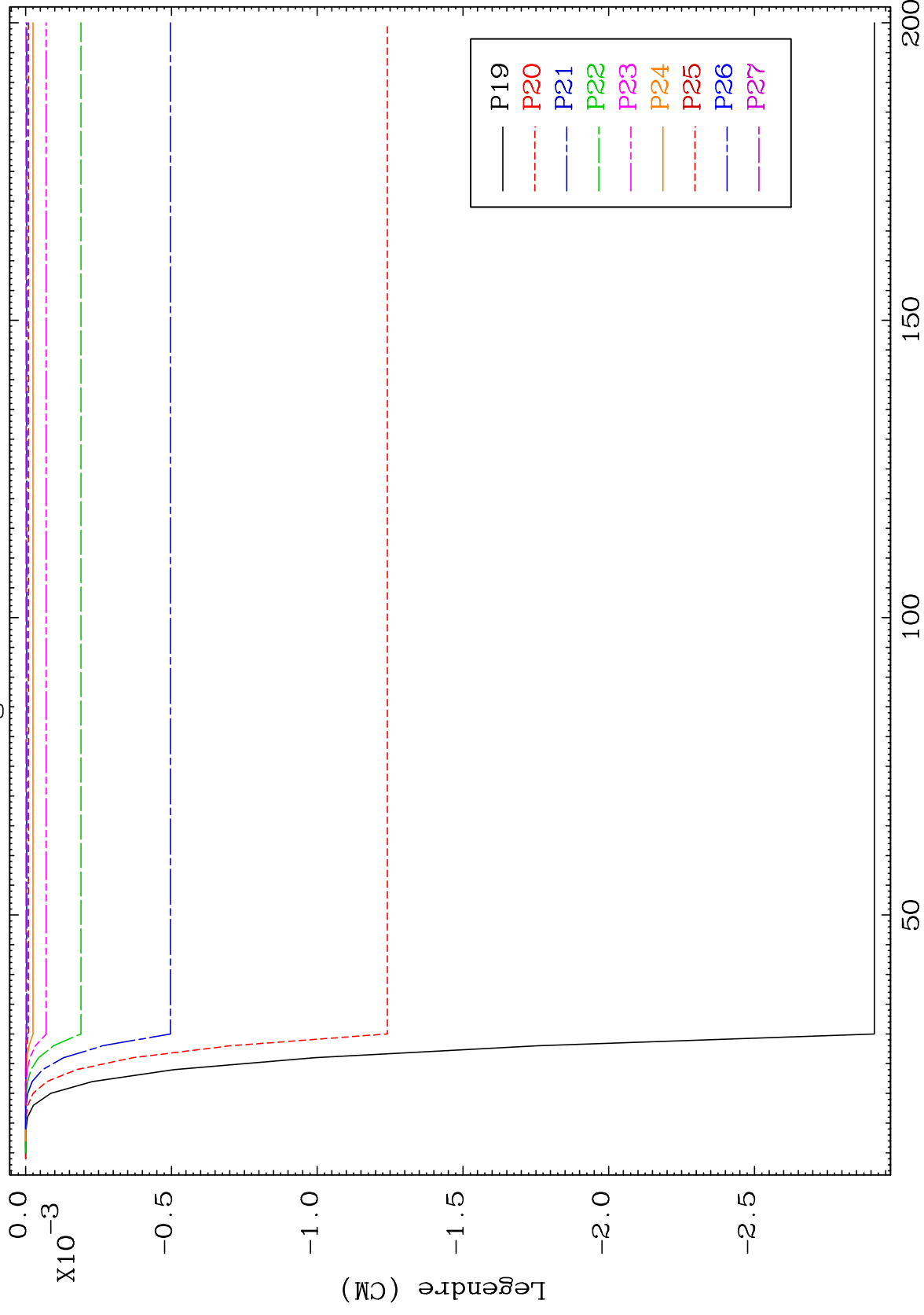
38-Sr-84



MAT 3825

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

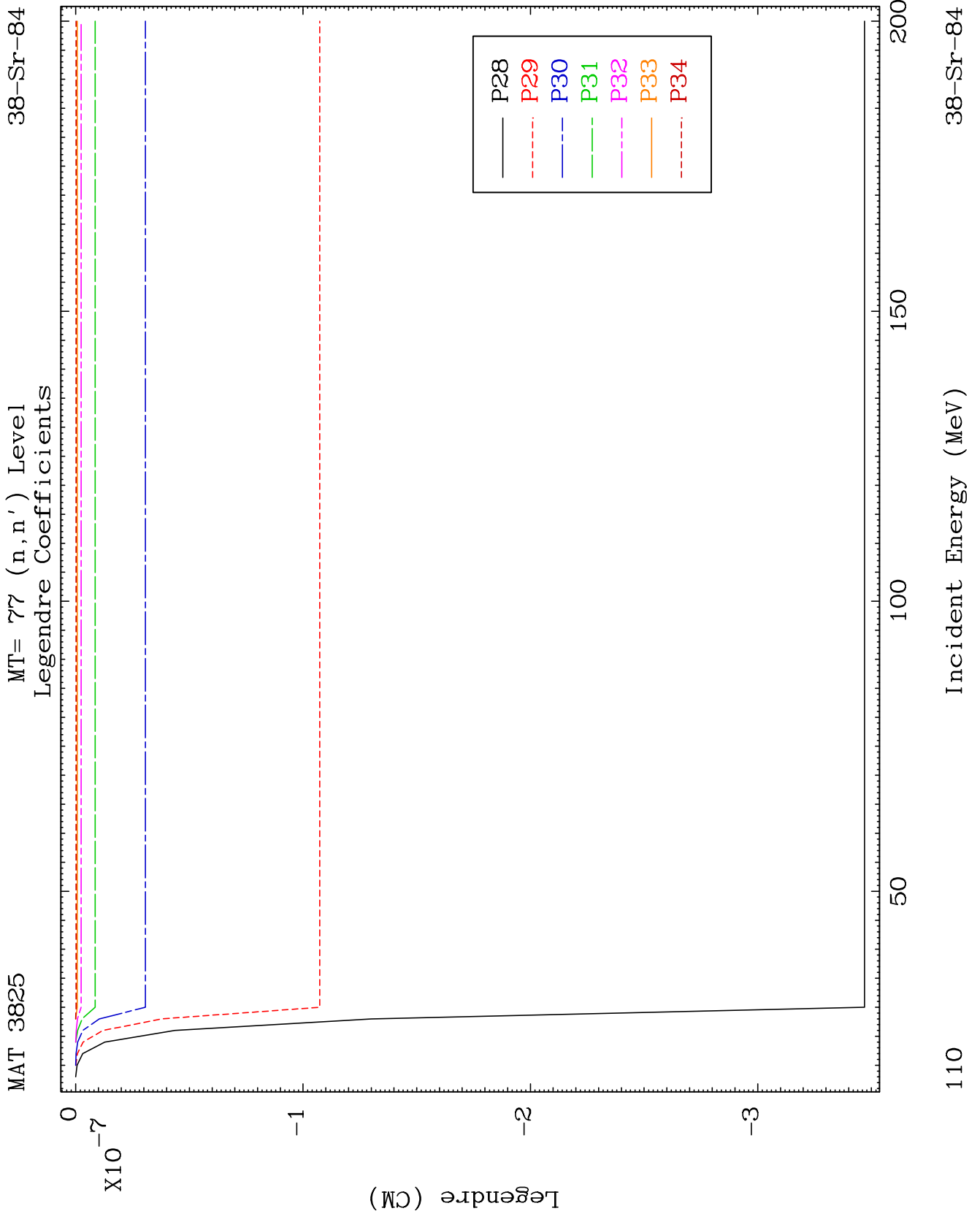
38-Sr-84



109

Incident Energy (MeV)

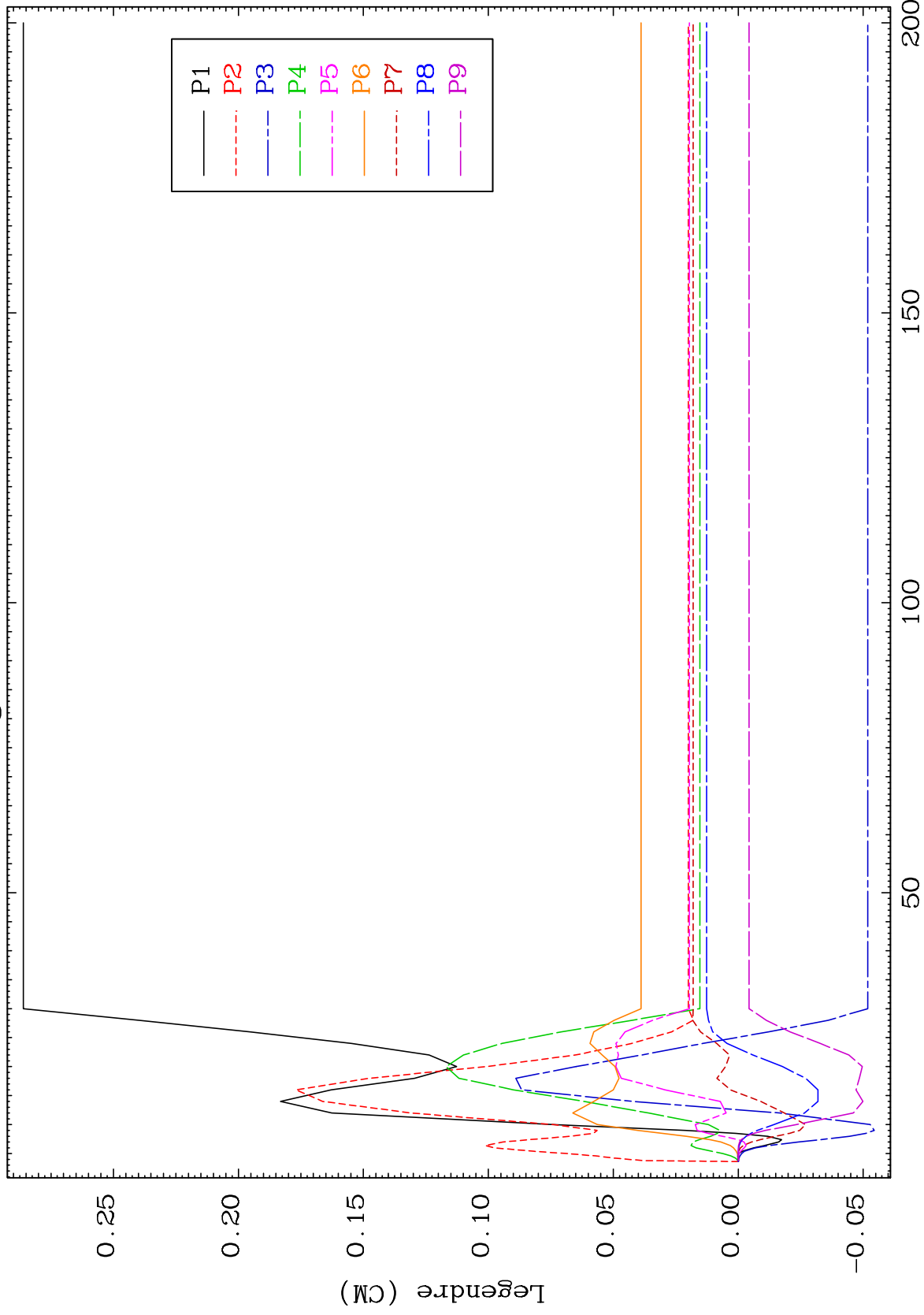
38-Sr-84



MAT 3825

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

38-Sr-84



111

Incident Energy (MeV)

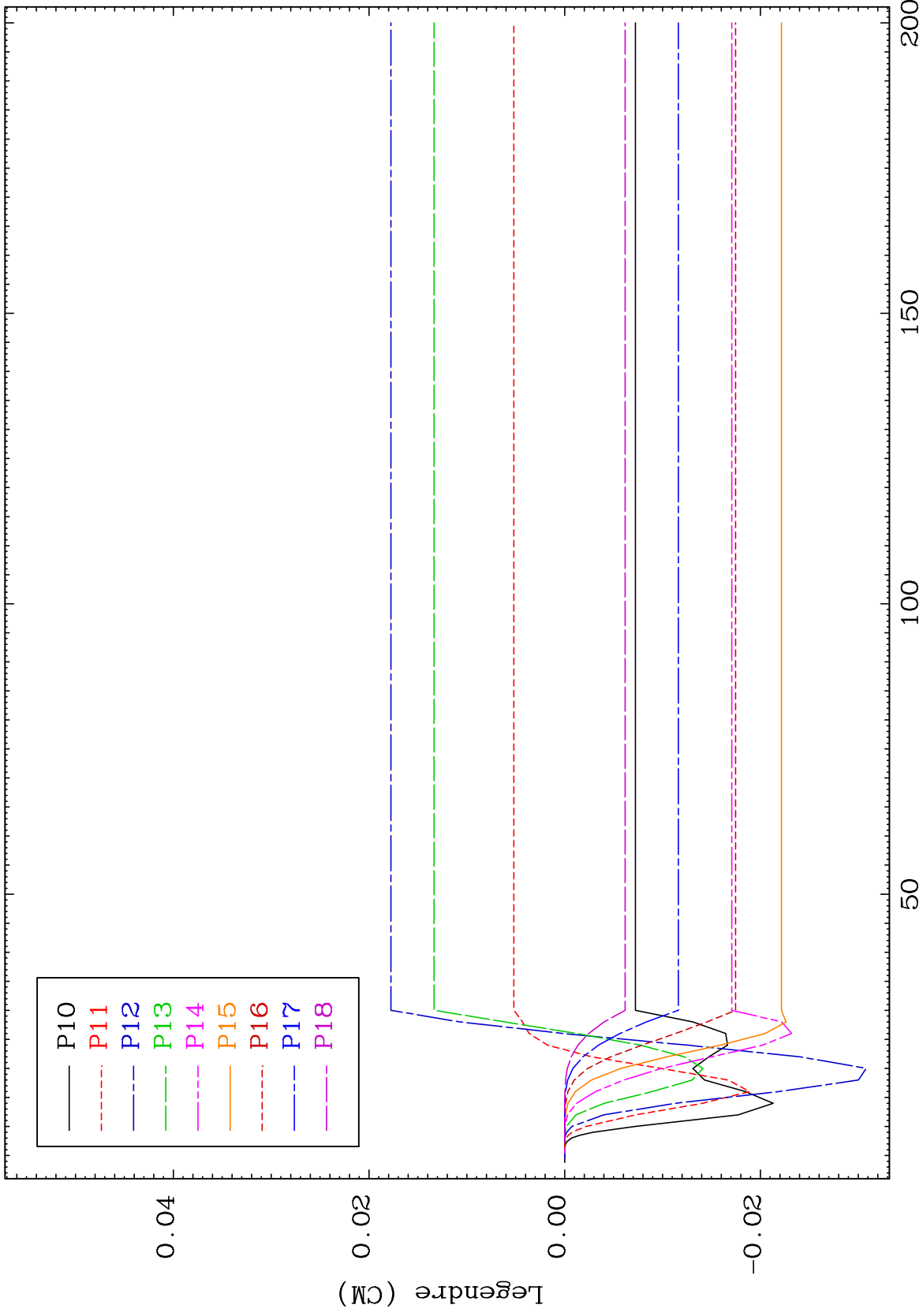
38-Sr-84



MAT 3825

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

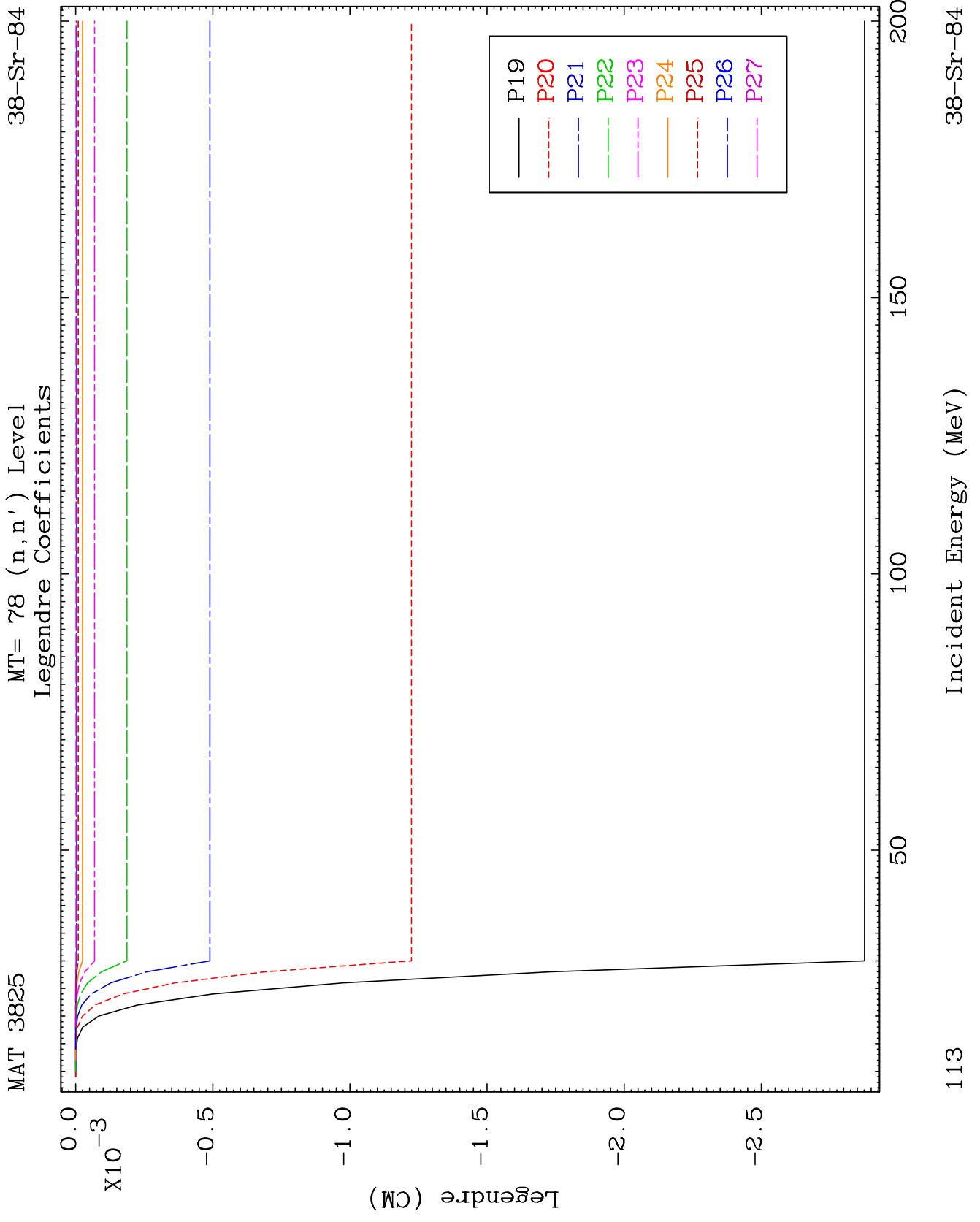
38-Sr-84

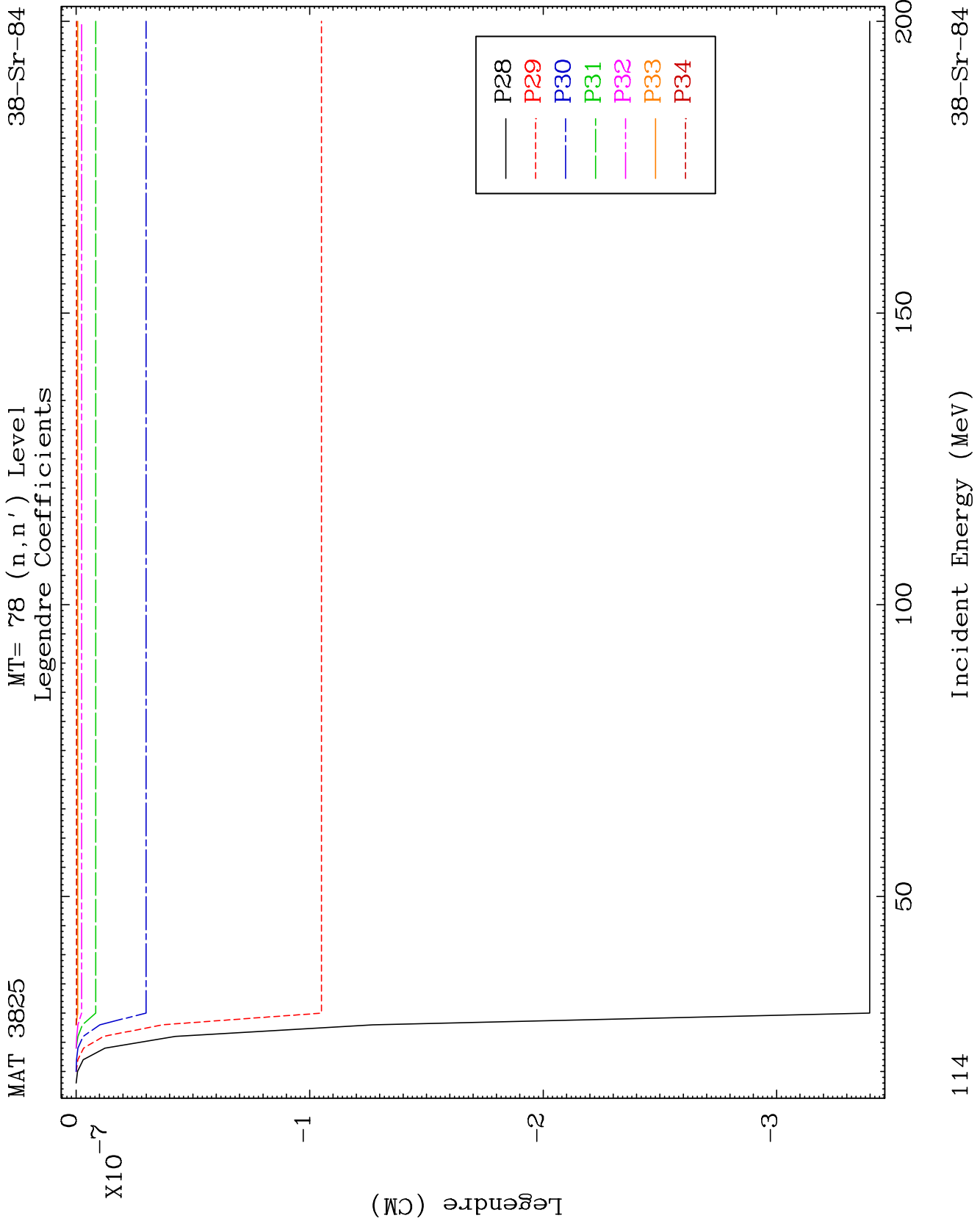


112

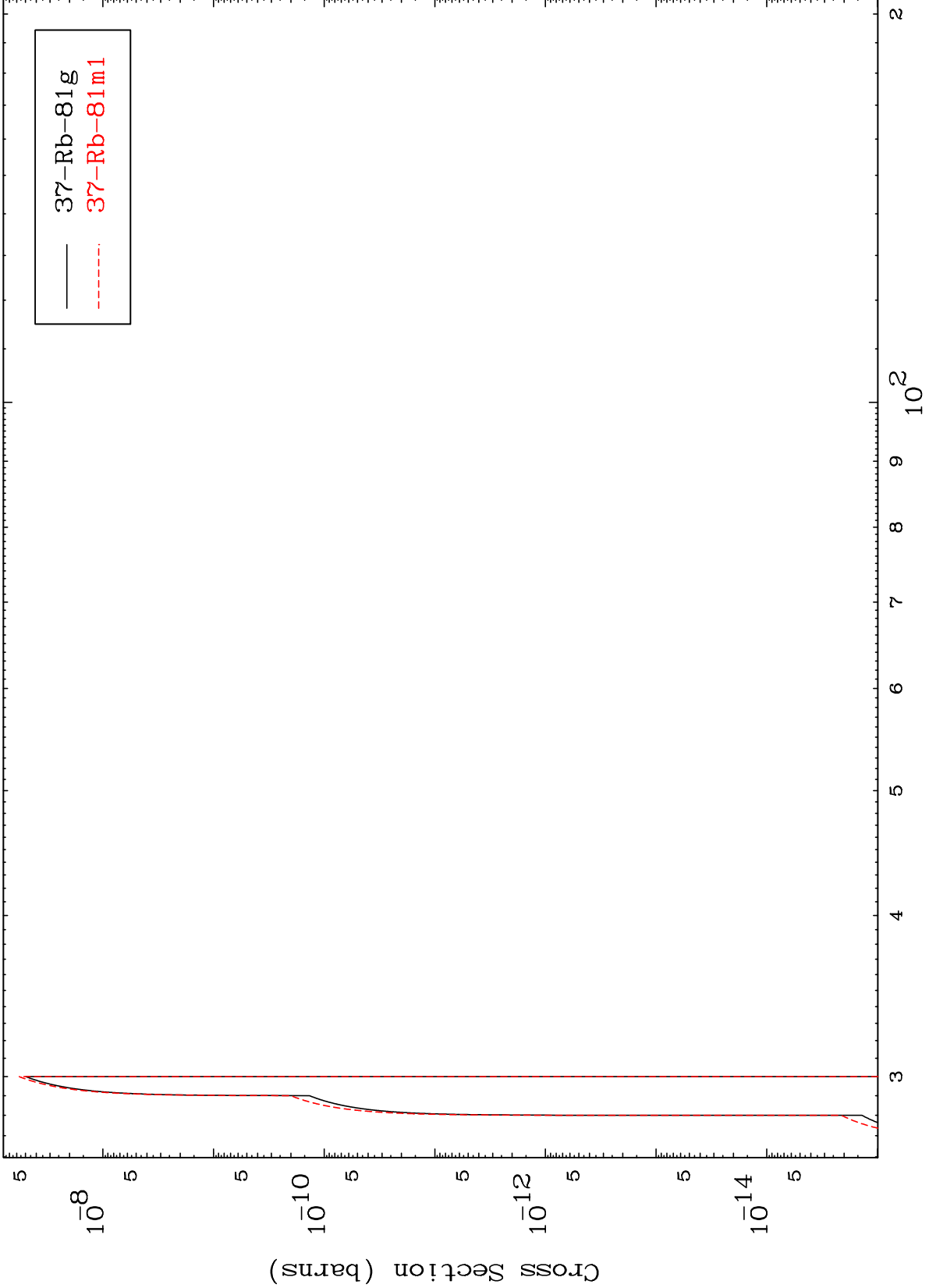
Incident Energy (MeV)

38-Sr-84





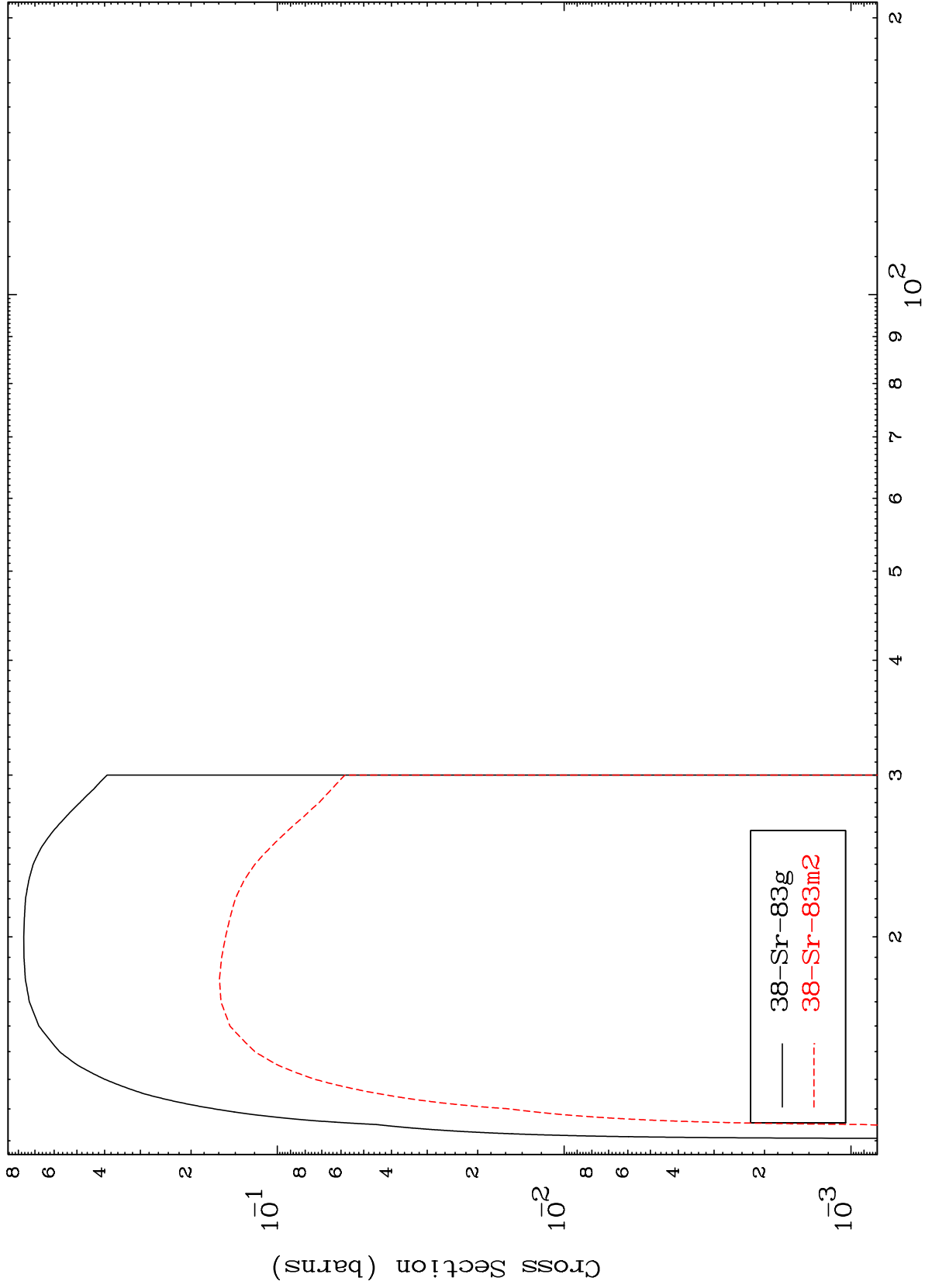
Radionuclide Production Cross Section



MAT 3825

38-Sr-84

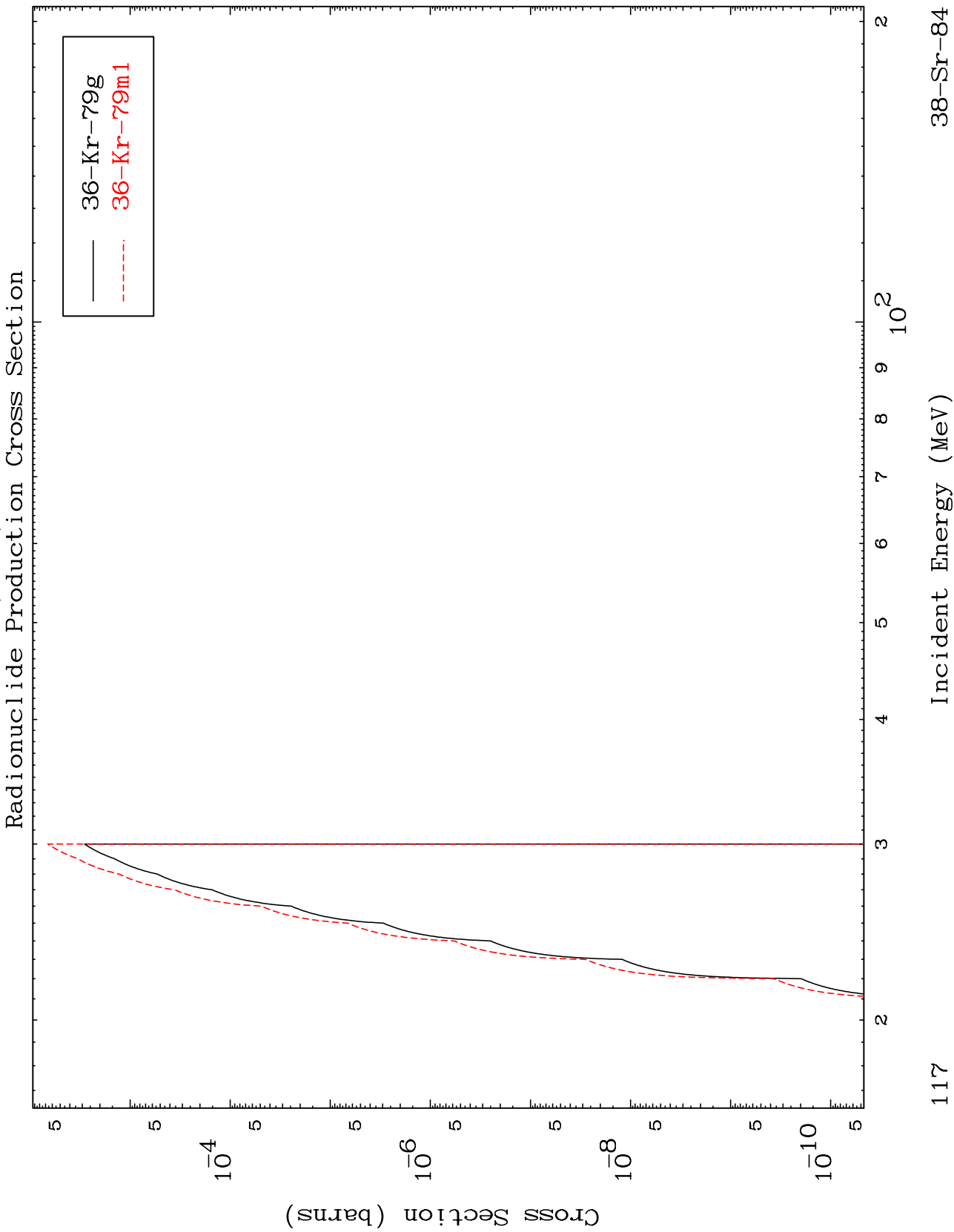
Radionuclide Production Cross Section  
(n,2n)



116

Incident Energy (MeV)

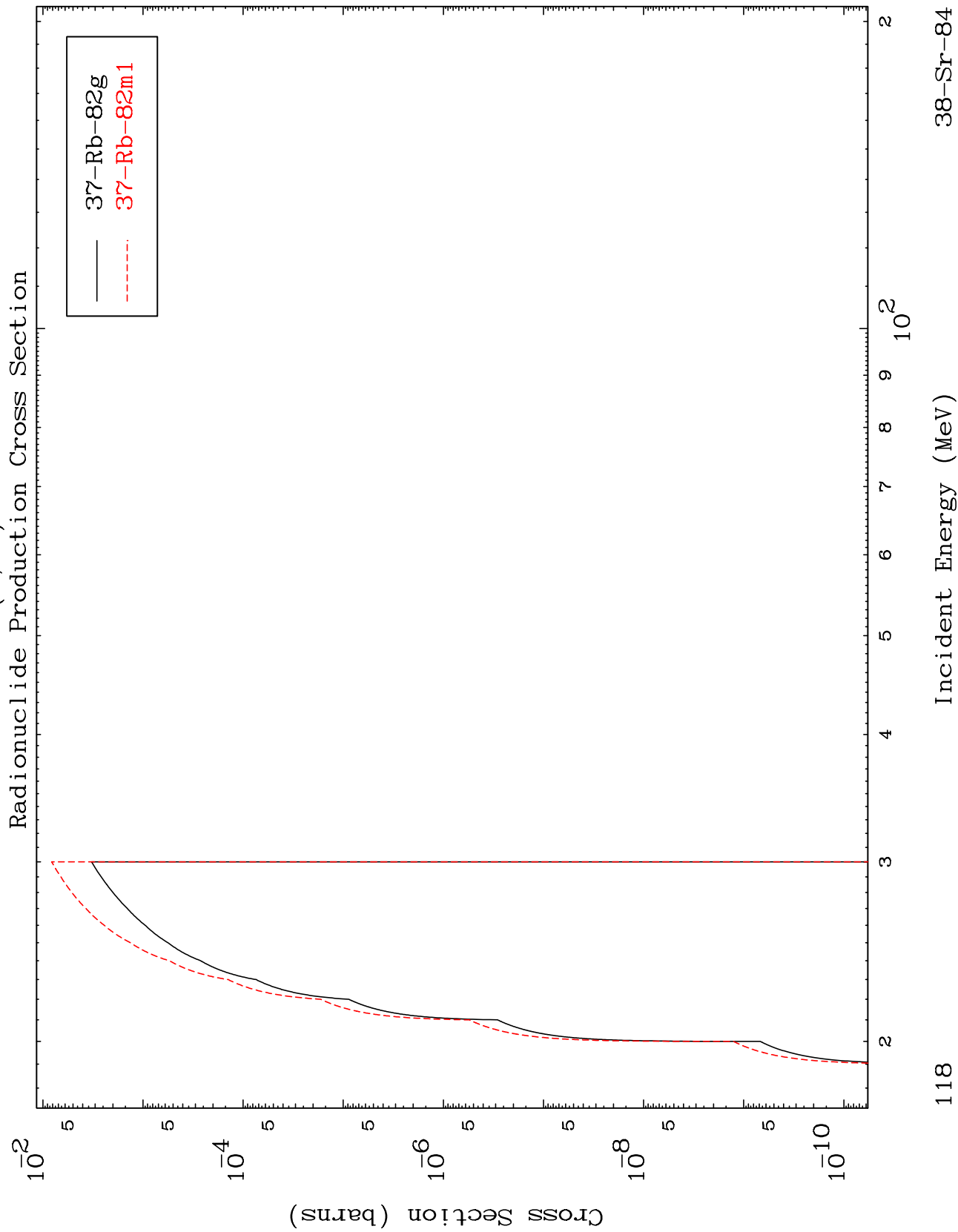
38-Sr-84



MAT 3825

(n,n') d

38-Sr-84



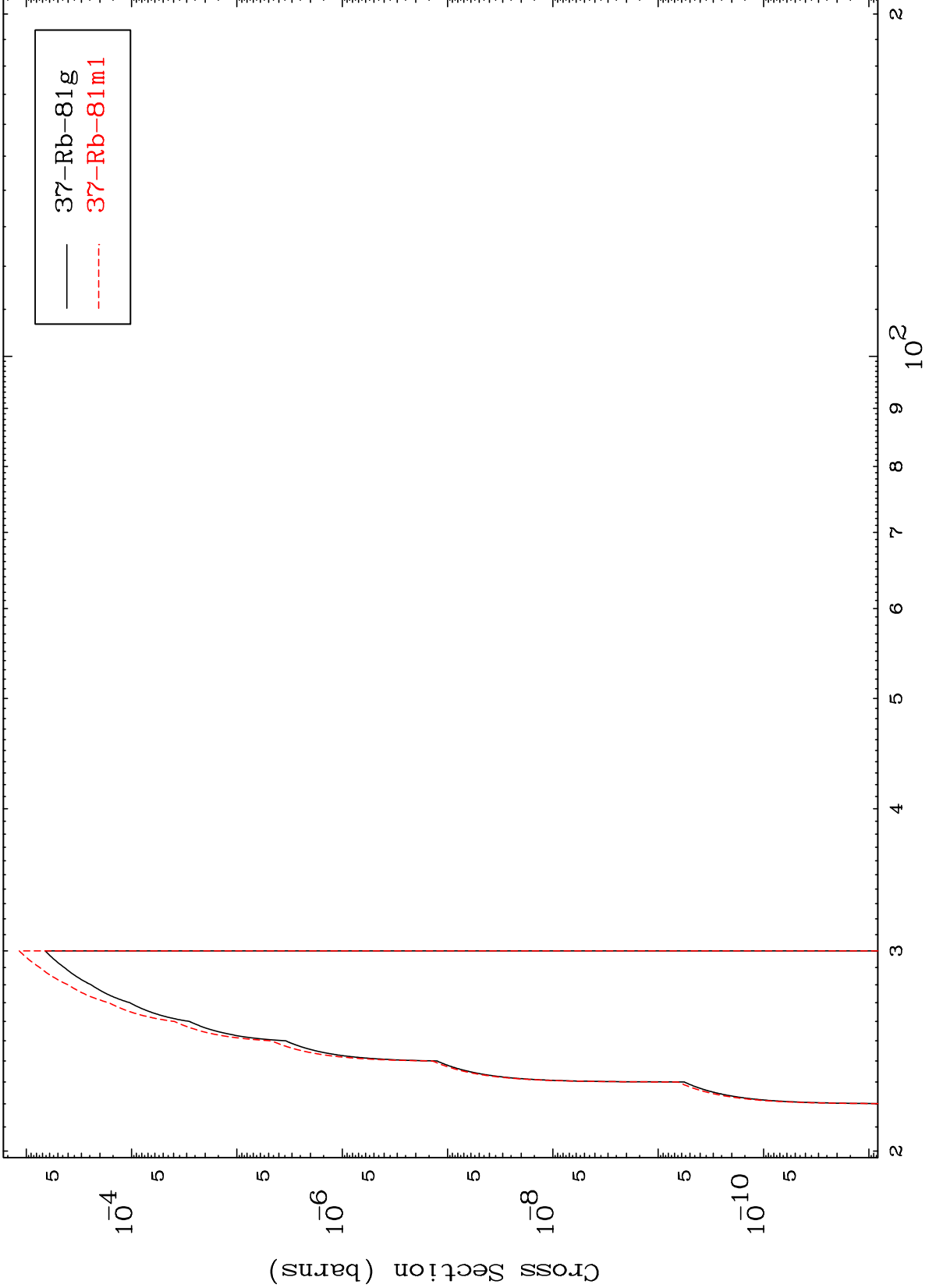
118

MAT 3825

(n,n') t

38-Sr-84

Radionuclide Production Cross Section



37-Rb-81g  
37-Rb-81m1

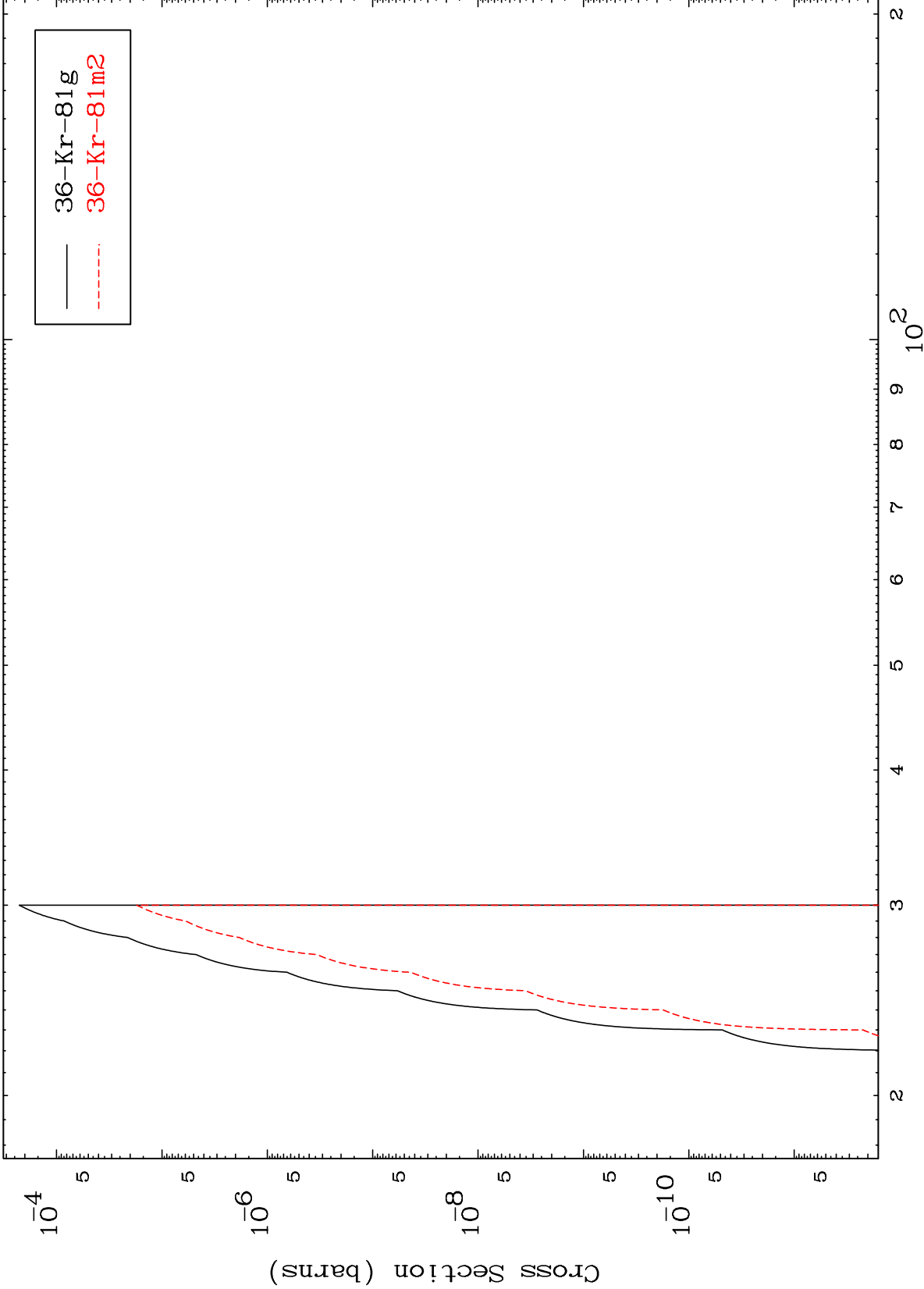
119

Incident Energy (MeV)

38-Sr-84



Radionuclide Production Cross Section

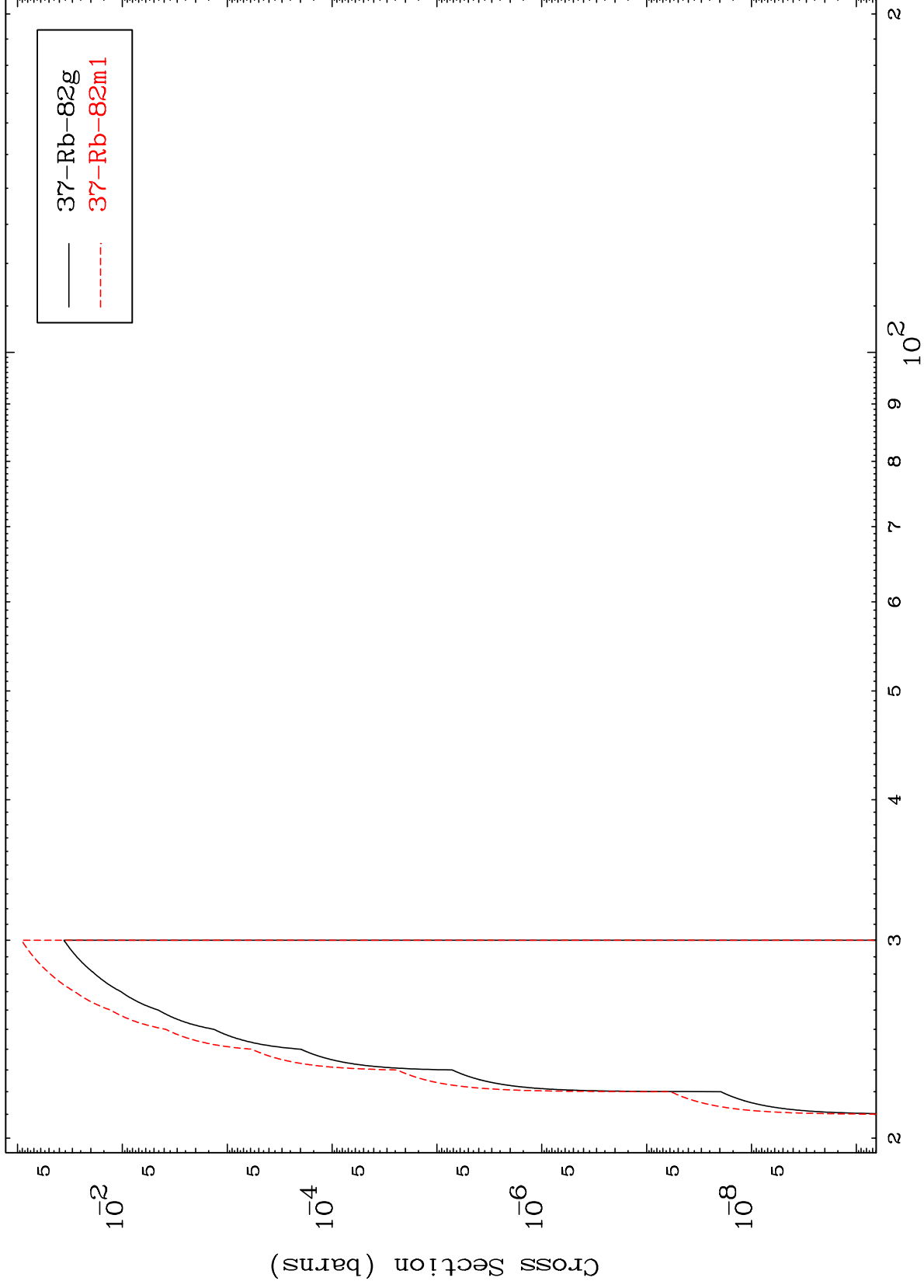


MAT 3825

$(n,2n)$  p

$^{38}\text{Sr-84}$

Radionuclide Production Cross Section



121

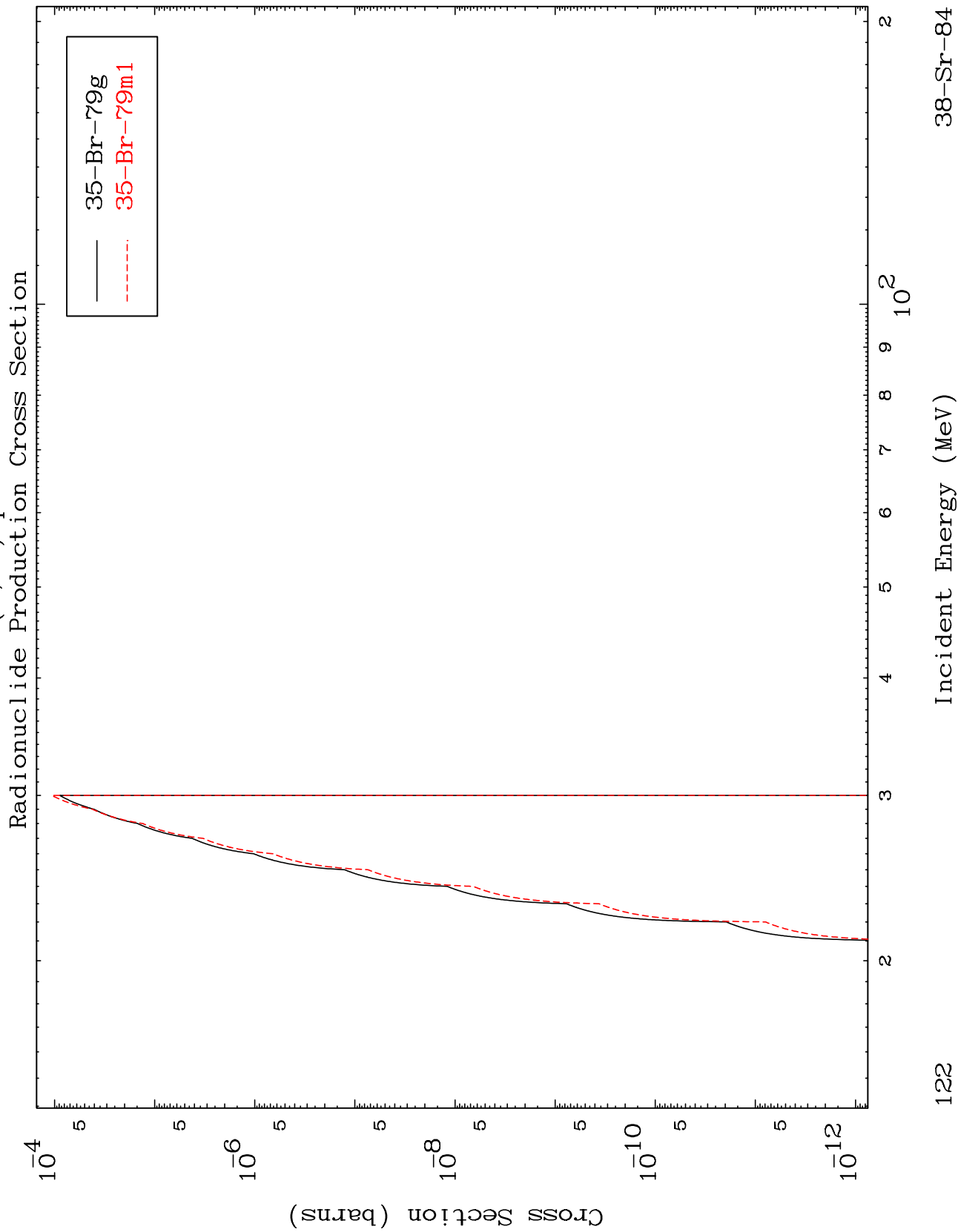
Incident Energy (MeV)

$^{38}\text{Sr-84}$

MAT 3825

(n,n') p  $\alpha$

38-Sr-84



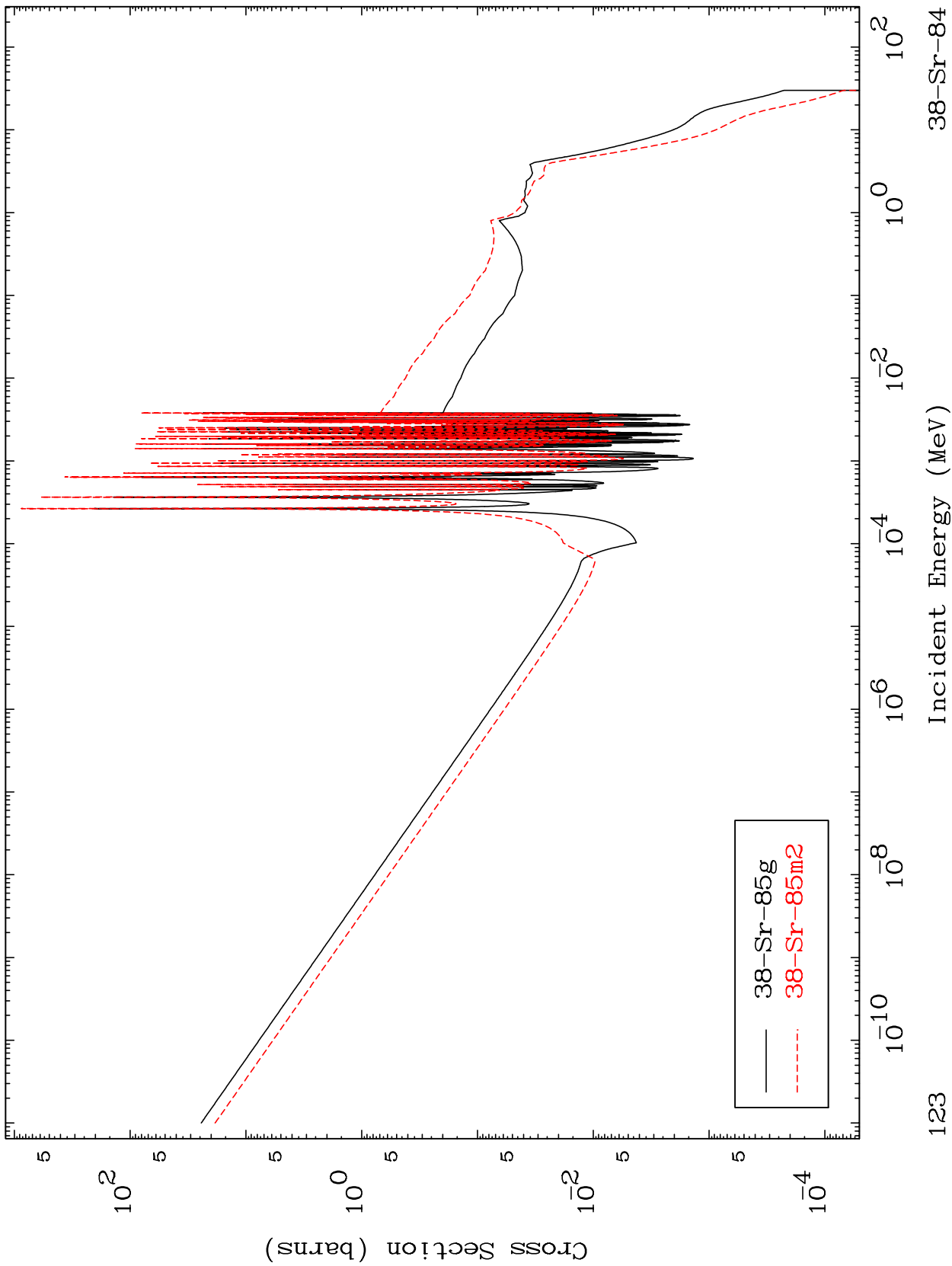
122

38-Sr-84

MAT 3825

38-Sr-84

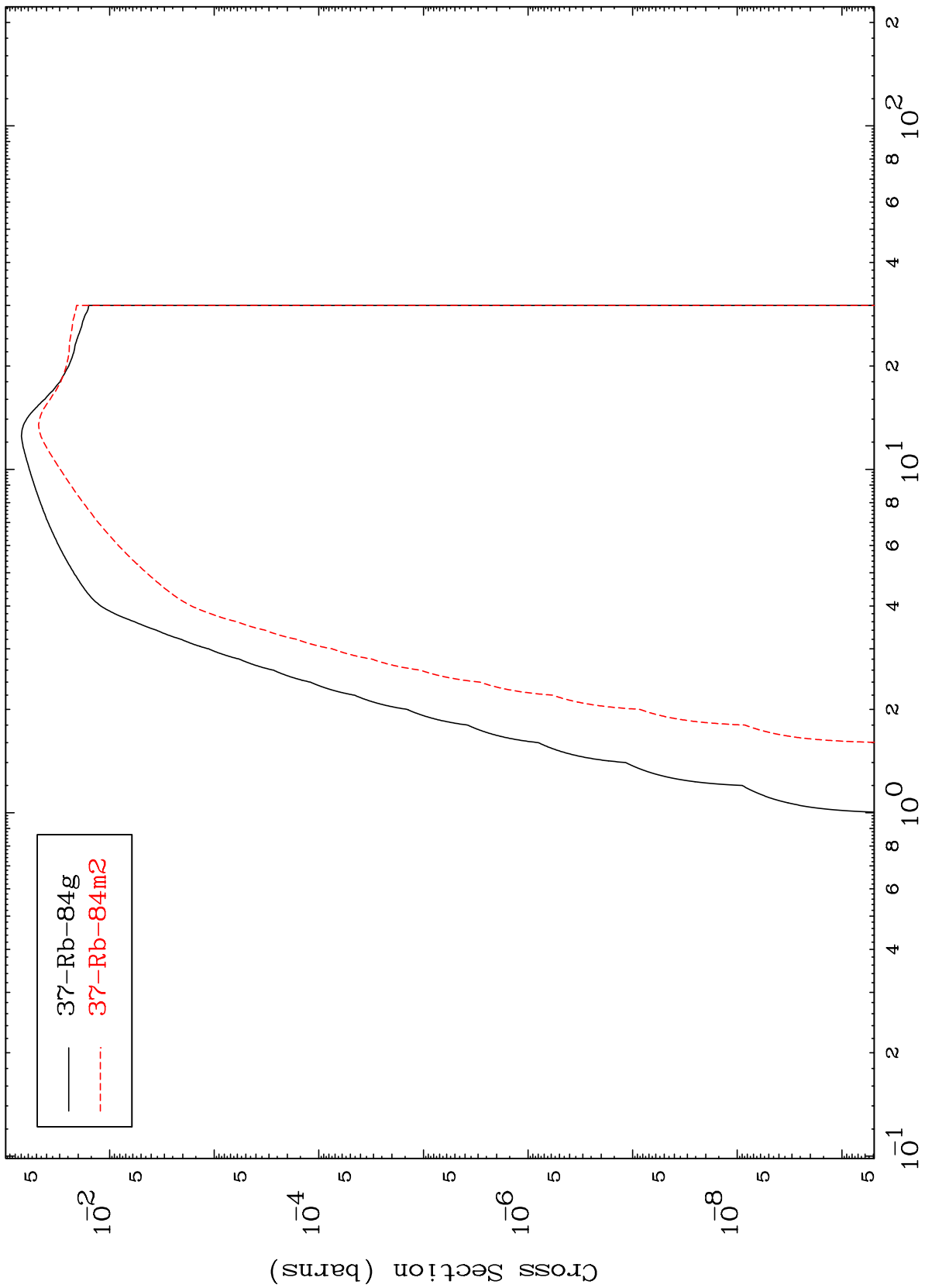
$(n, \gamma)$   
Radionuclide Production Cross Section



MAT 3825

38-Sr-84

(n,p)  
Radionuclide Production Cross Section



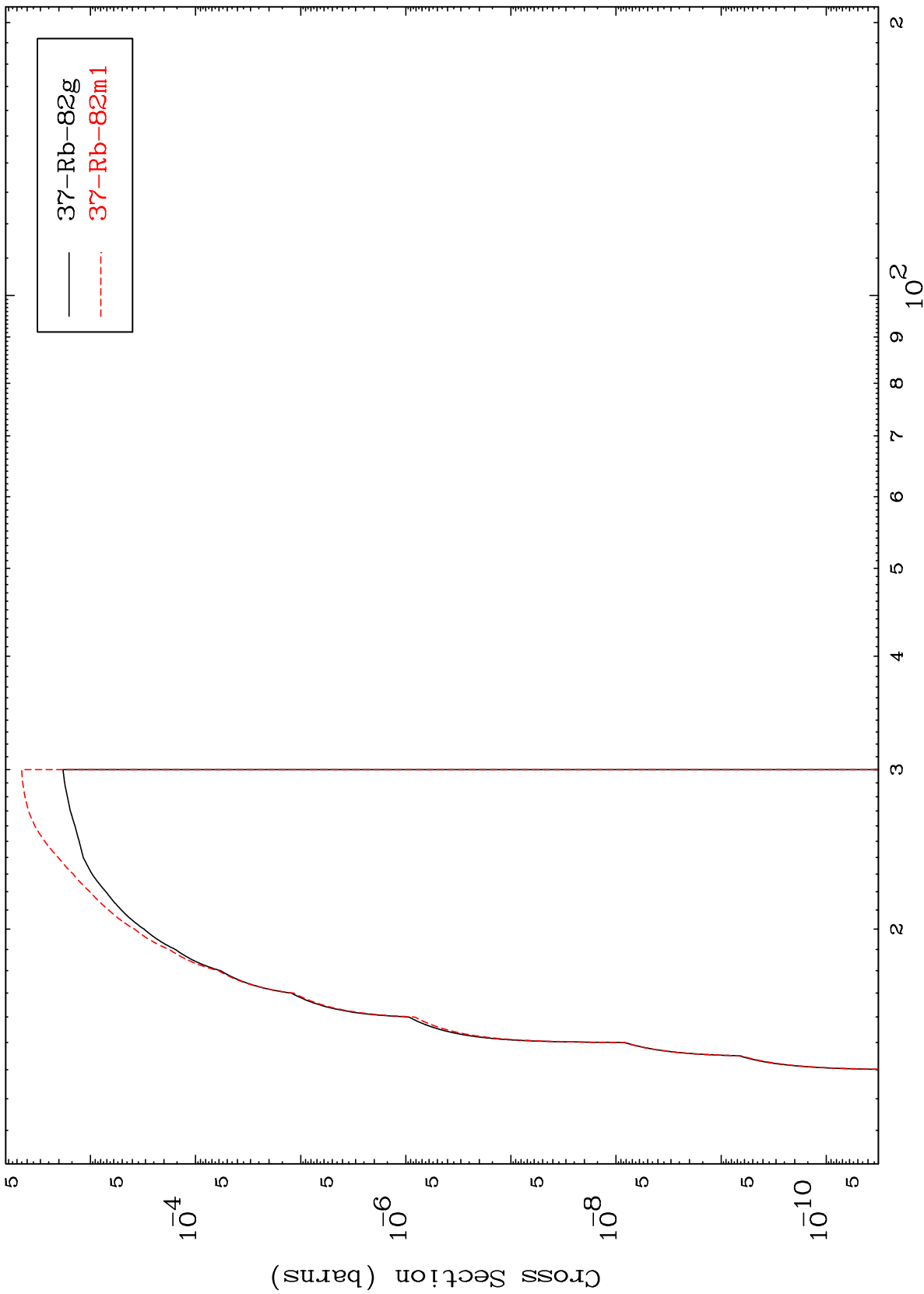
— 37-Rb-84g  
- - - 37-Rb-84m2

38-Sr-84

Incident Energy (MeV)

124

(n, t)  
Radionuclide Production Cross Section

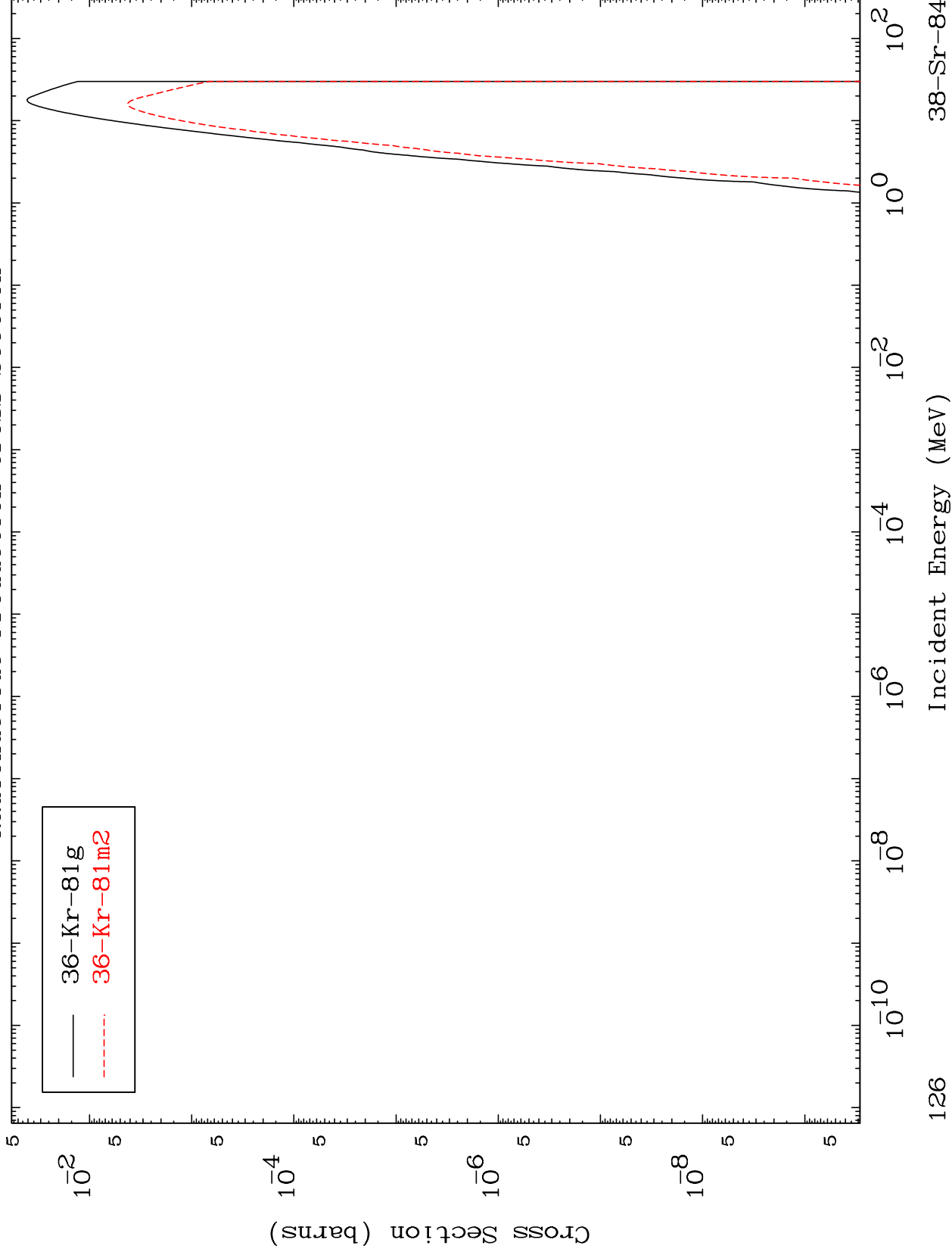


MAT 3825

(n,  $\alpha$ )

<sup>38</sup>Sr-84

Radionuclide Production Cross Section



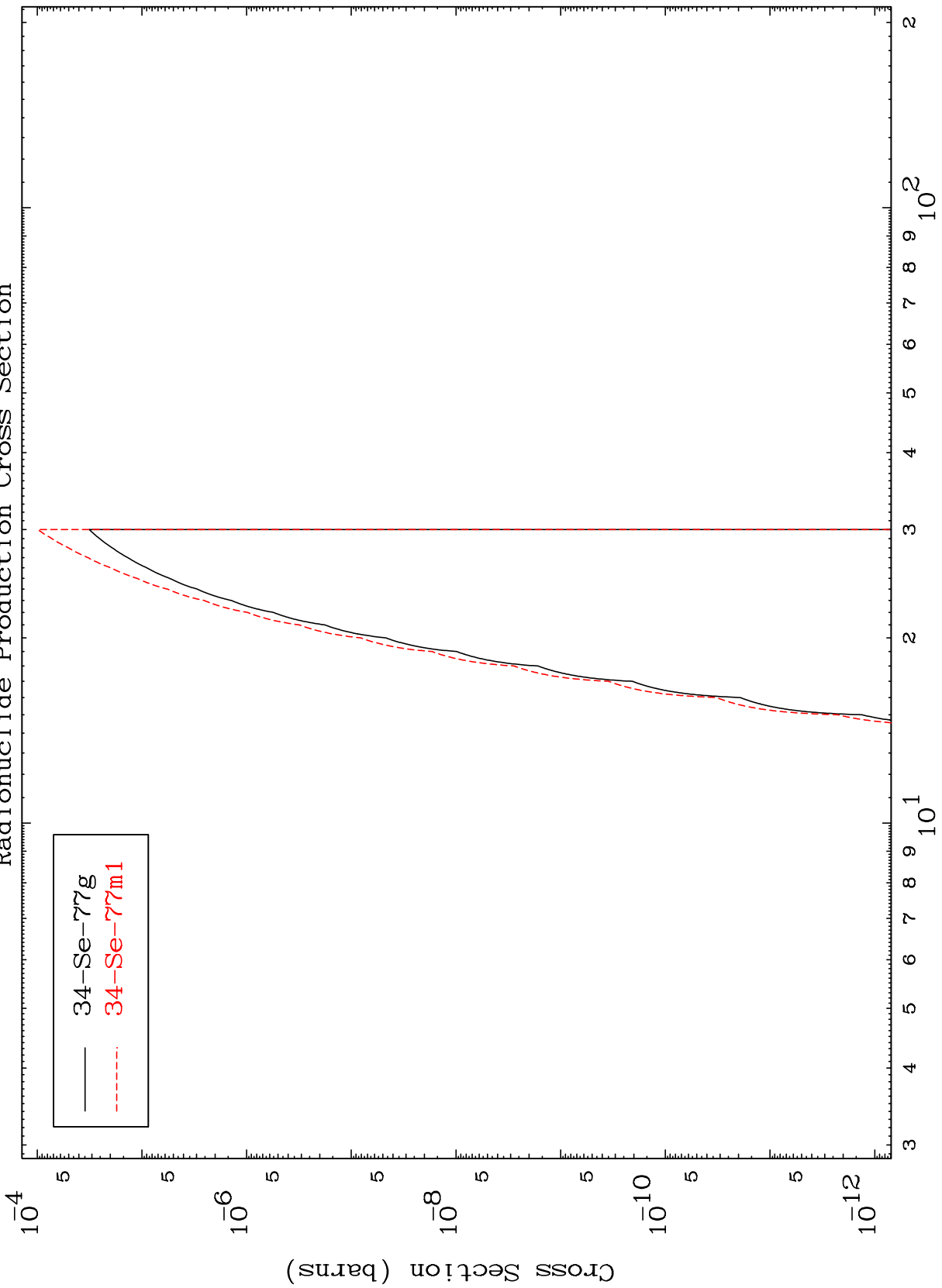
126

<sup>38</sup>Sr-84

MAT 3825

38-Sr-84

(n,2α)  
Radionuclide Production Cross Section



— 34-Se-77g  
- - - 34-Se-77m1

127

Incident Energy (MeV)

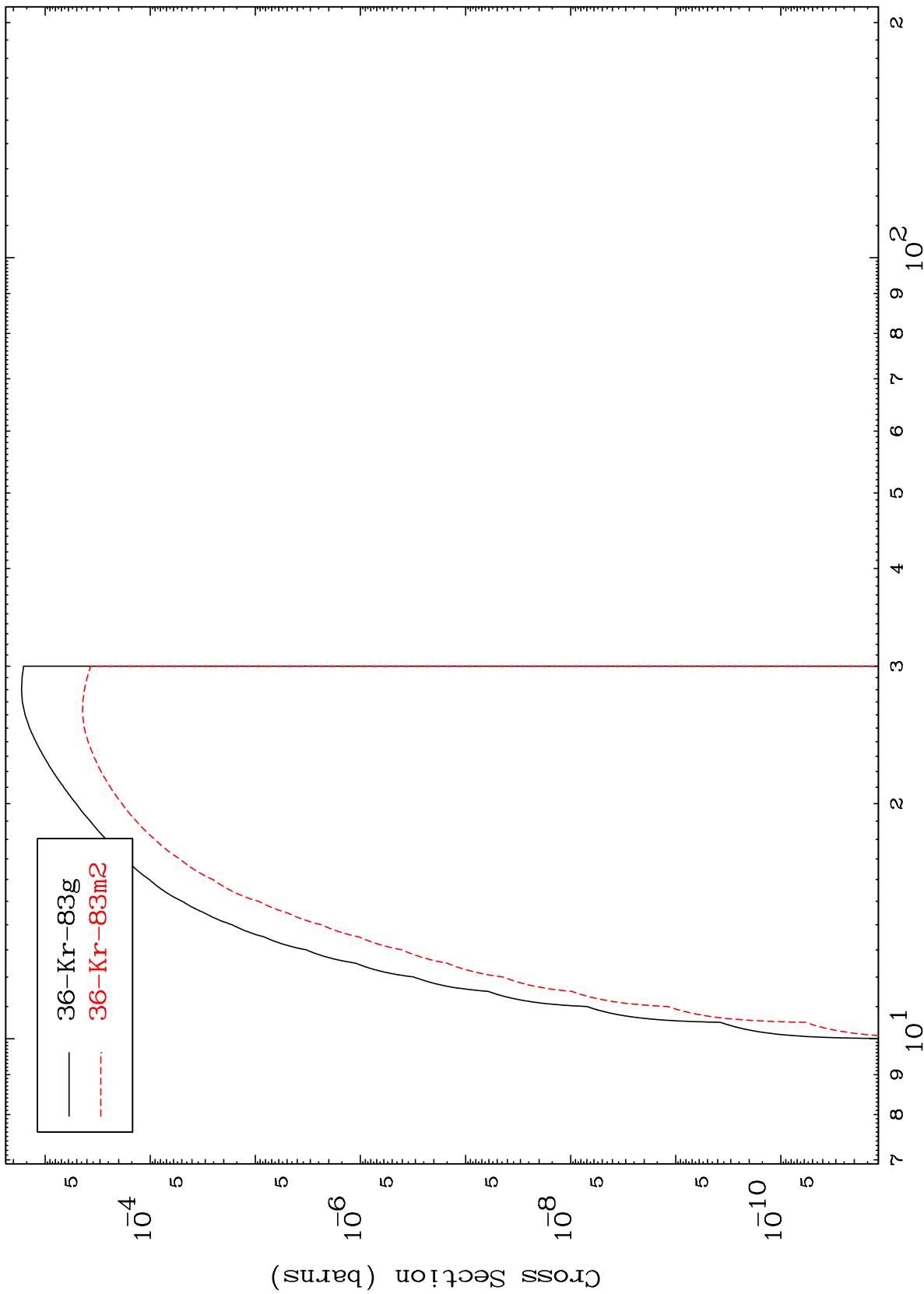
38-Sr-84



MAT 3825

38-Sr-84

(n,2p)  
Radionuclide Production Cross Section



128

Incident Energy (MeV)

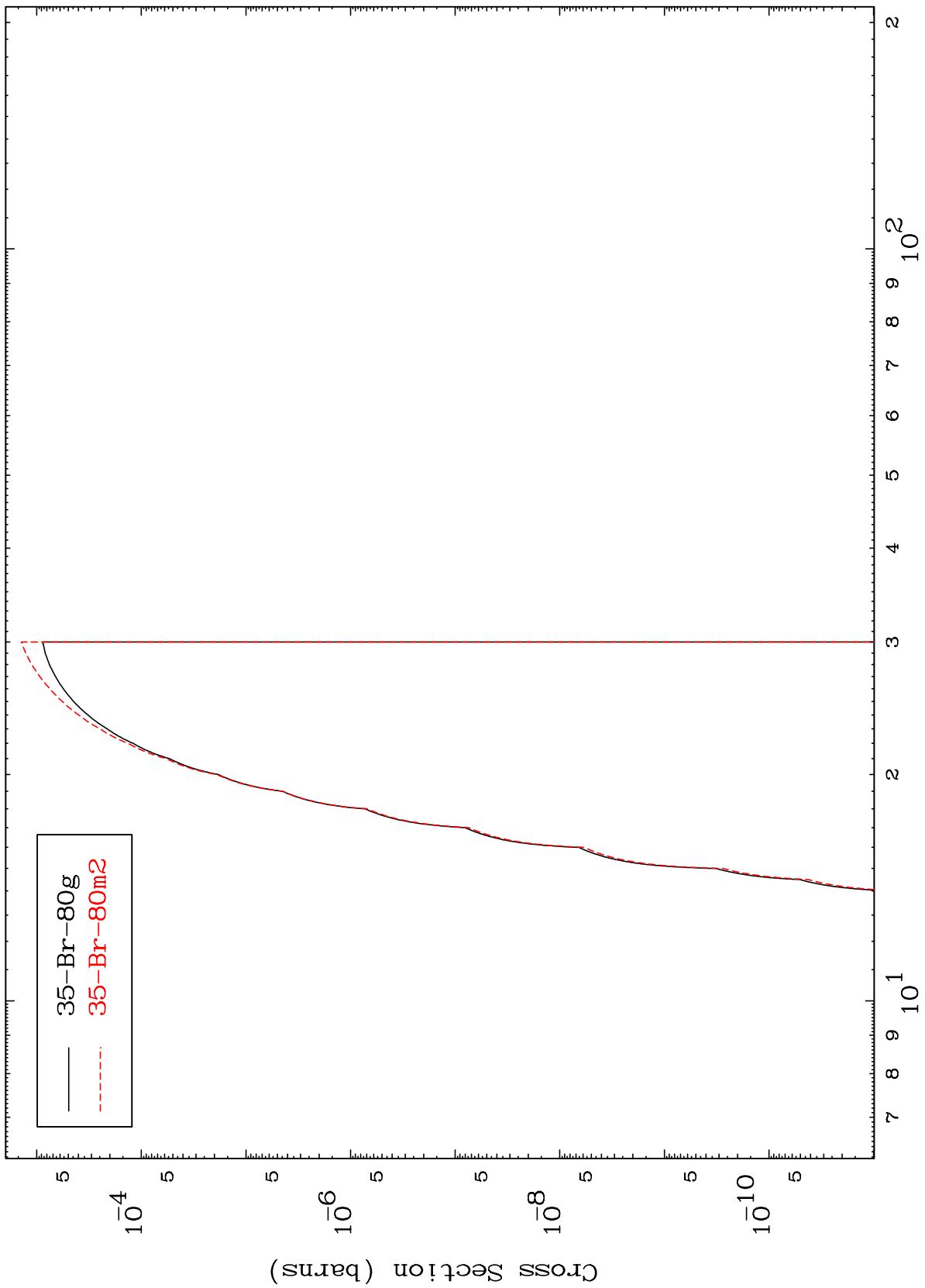
38-Sr-84

MAT 3825

$(n,p) \alpha$

$^{38}\text{Sr-84}$

Radionuclide Production Cross Section



129

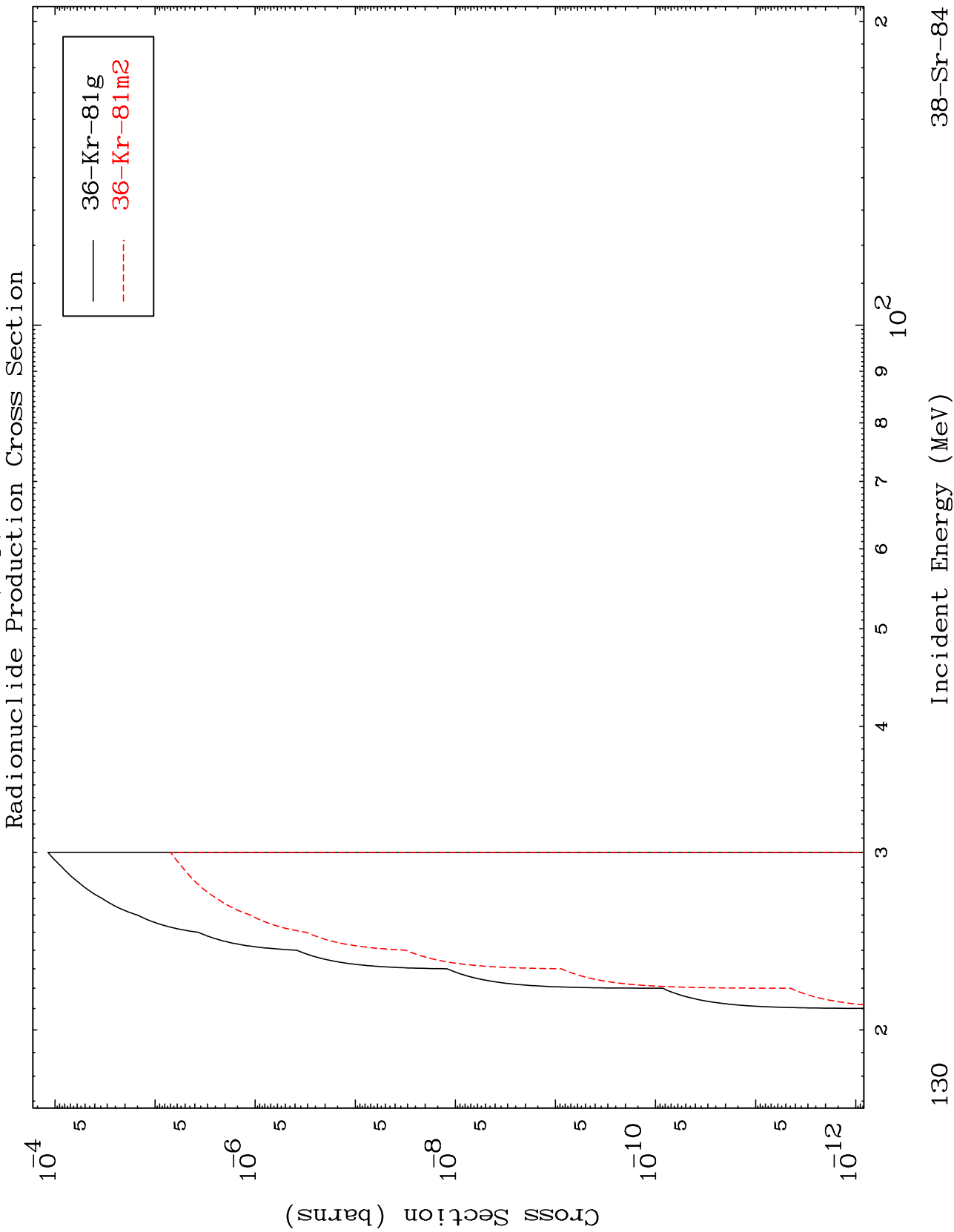
Incident Energy (MeV)

$^{38}\text{Sr-84}$

MAT 3825

(n,p) t

38-Sr-84



130

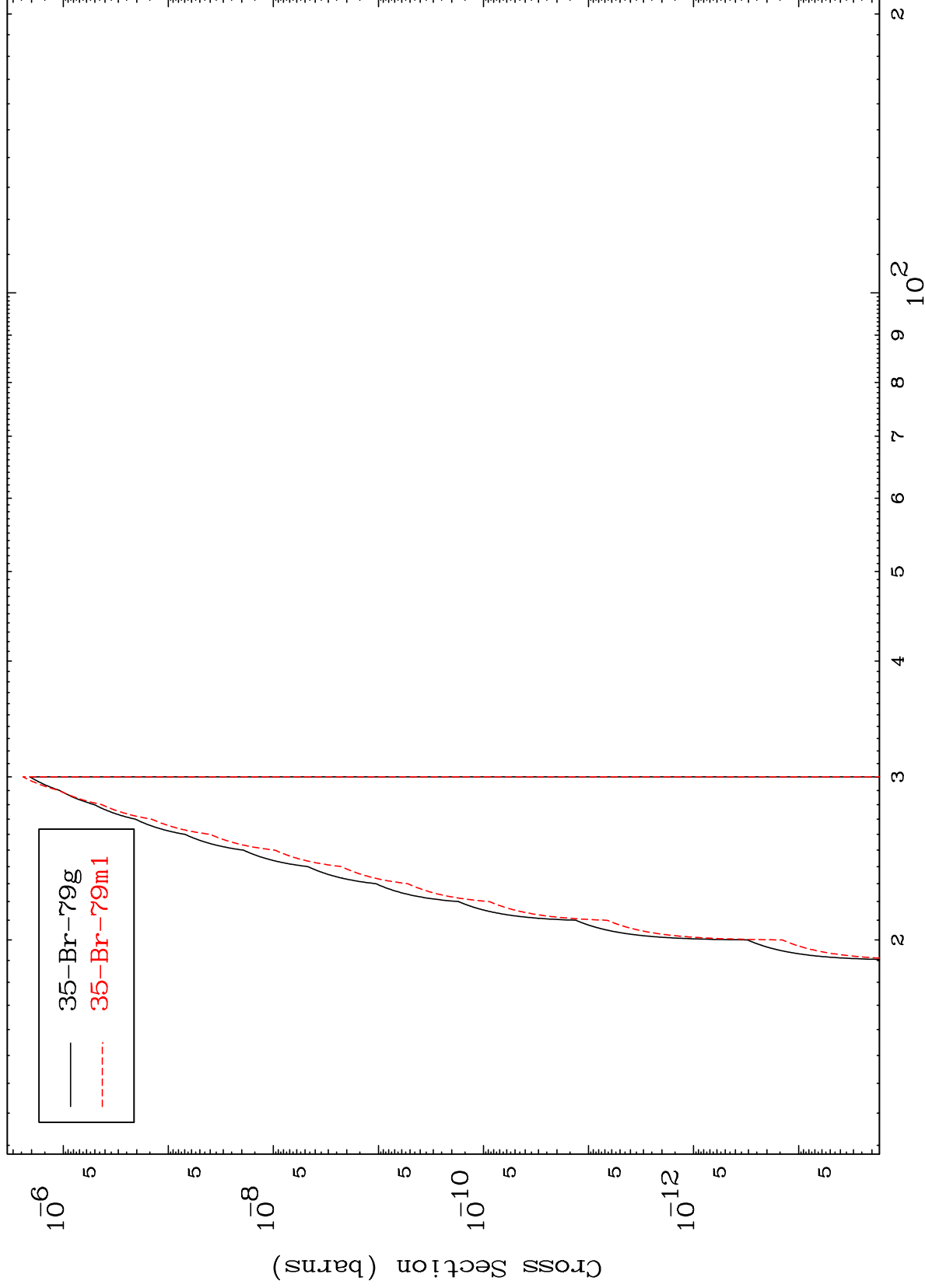
38-Sr-84

MAT 3825

(n,d)  $\alpha$

38-Sr-84

Radionuclide Production Cross Section



131

Incident Energy (MeV)

38-Sr-84