

Program EVALPLOT  
(Version 2017-1)

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

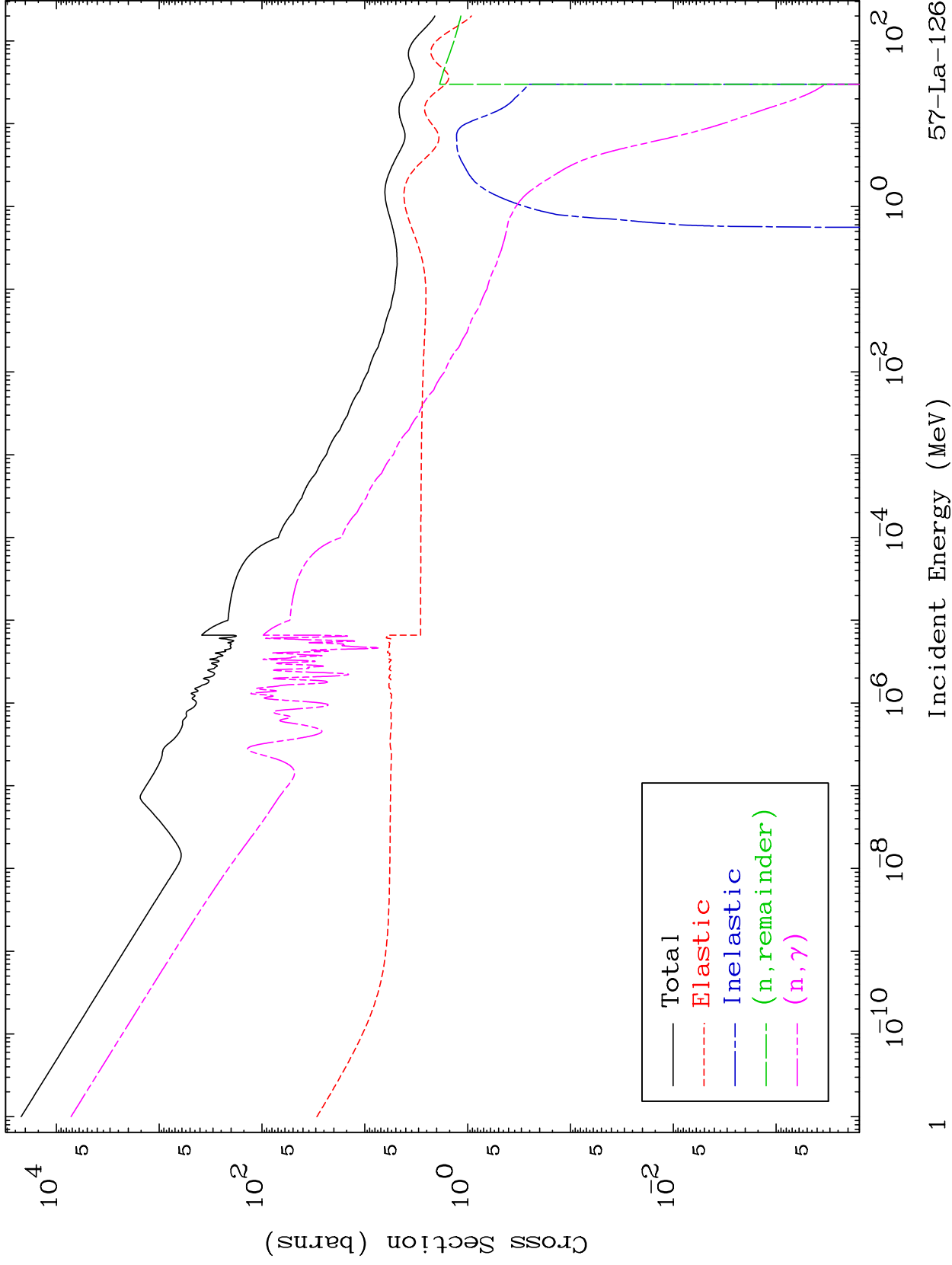
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5689

Major  
293 Kelvin Cross Sections

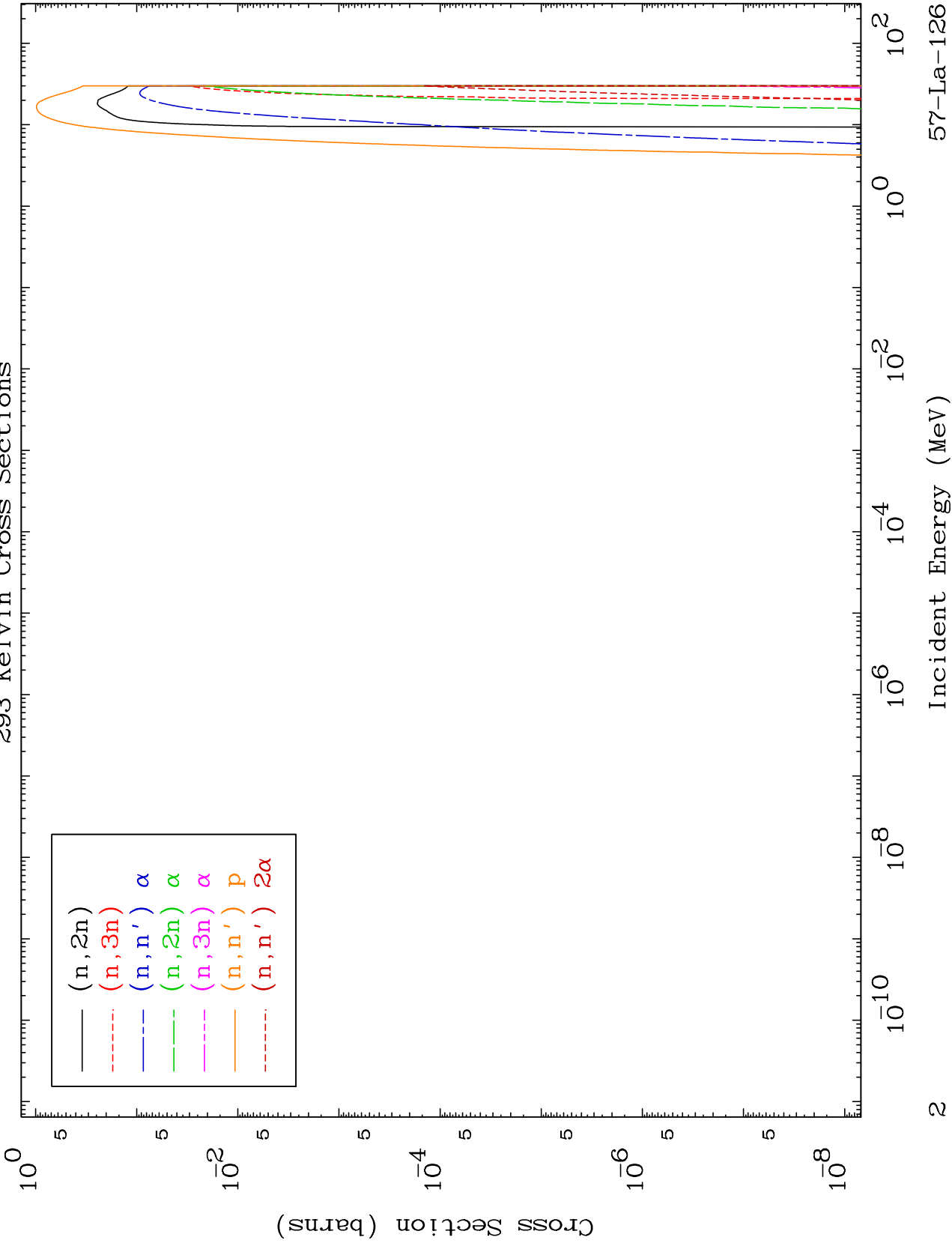
57-La-126

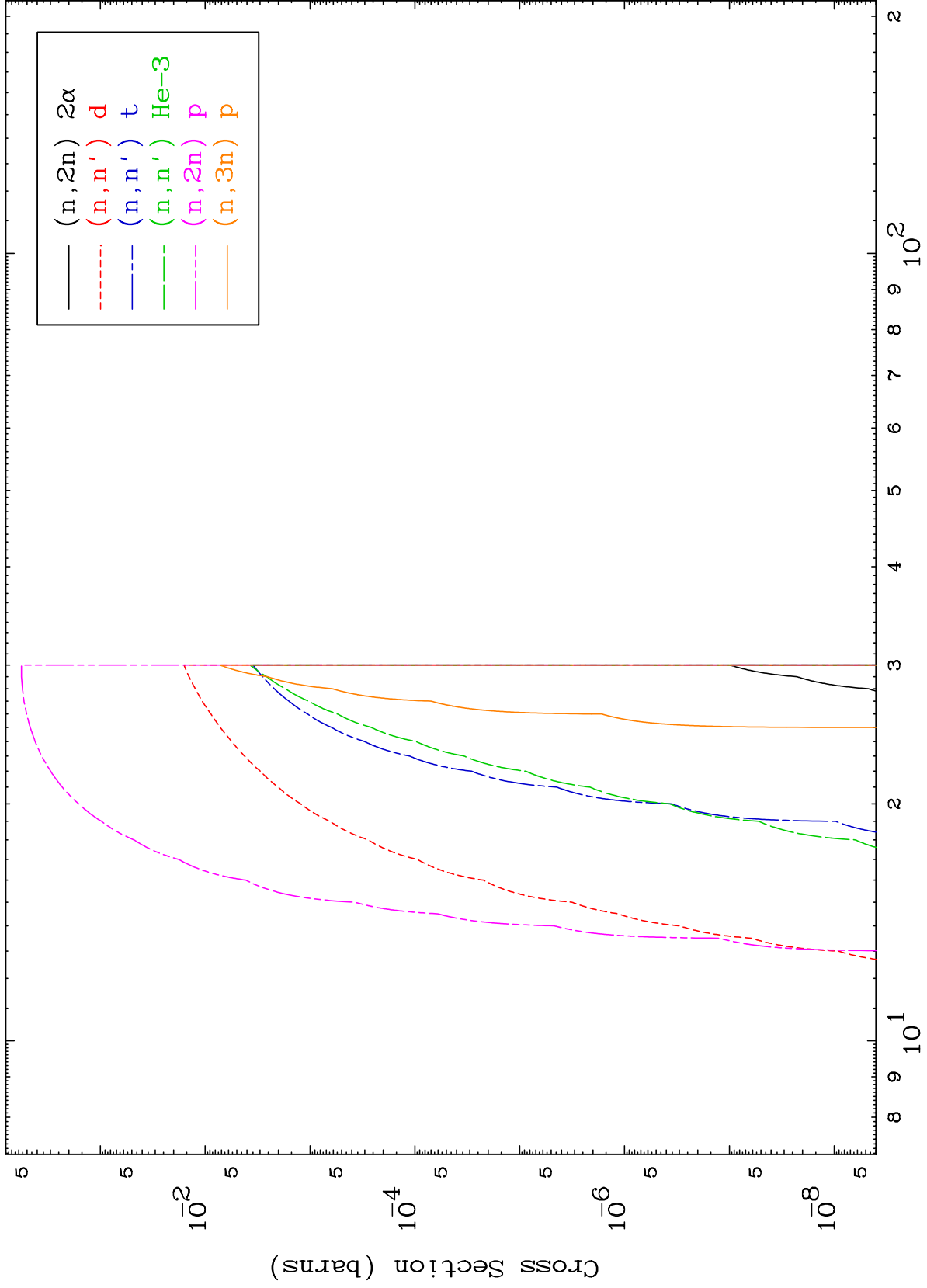


MAT 5689

Neutron Production  
293 Kelvin Cross Sections

57-La-126

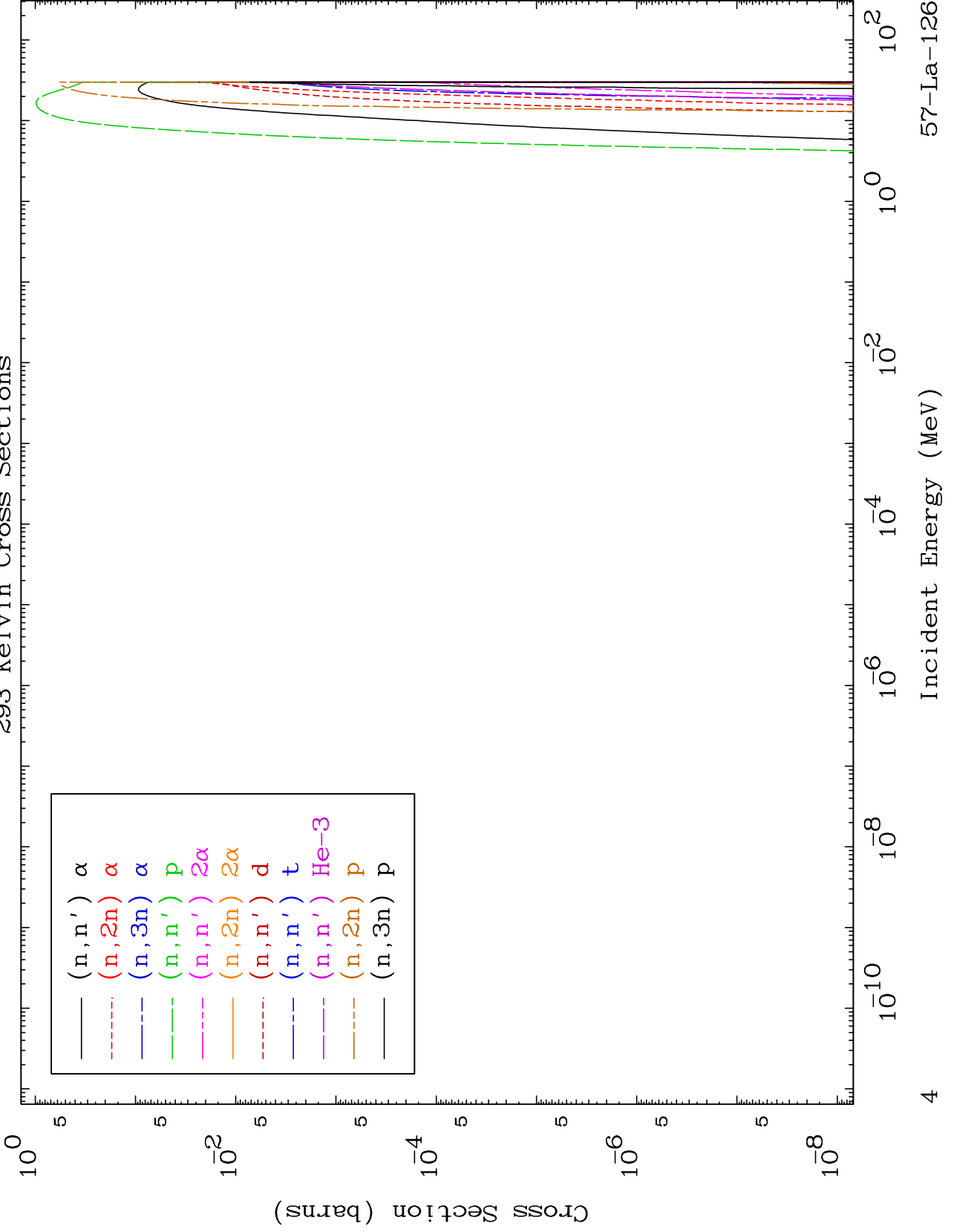




MAT 5689

Charged Particle  
293 Kelvin Cross Sections

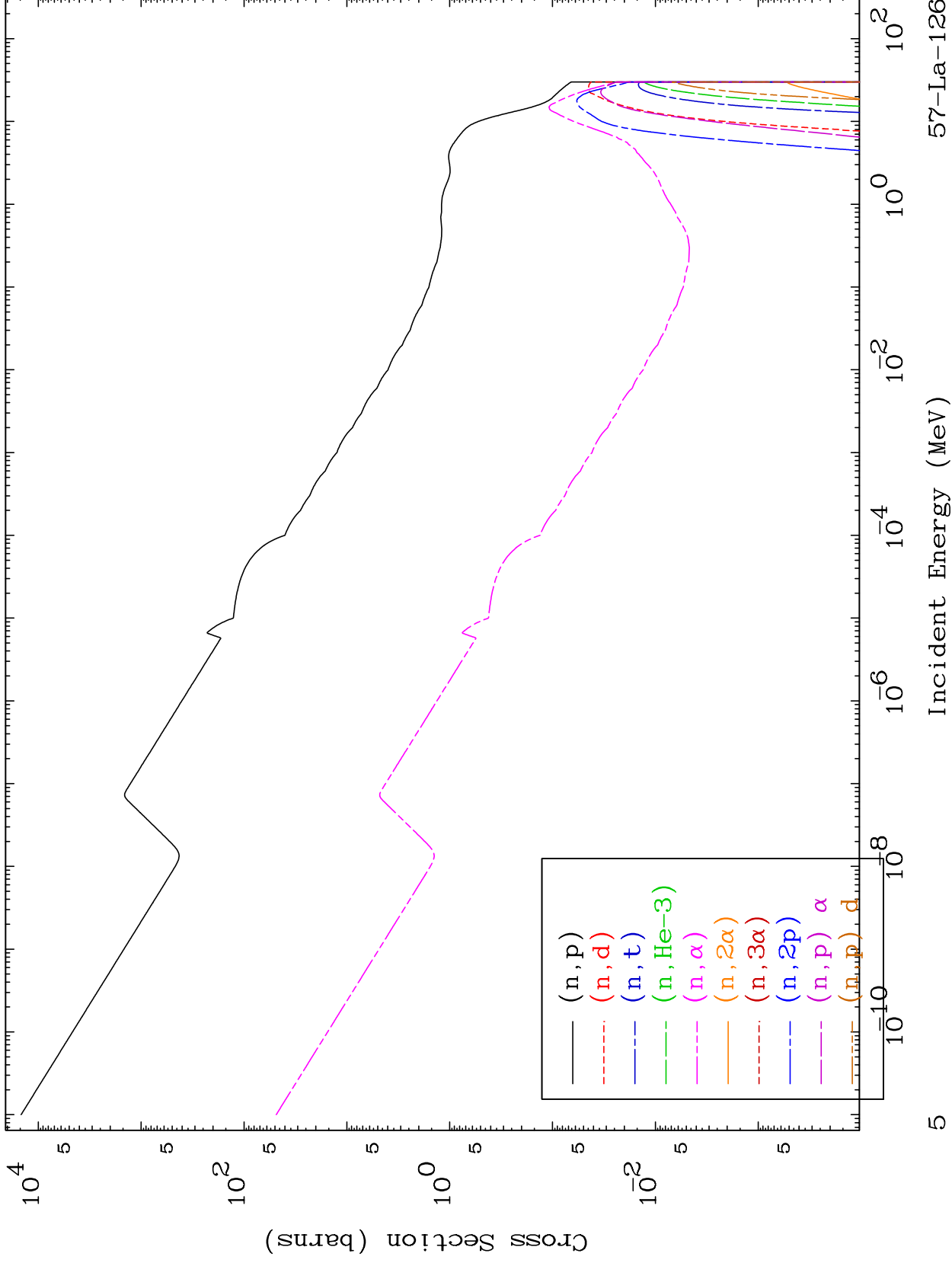
57-La-126



MAT 5689

Charged Particle  
293 Kelvin Cross Sections

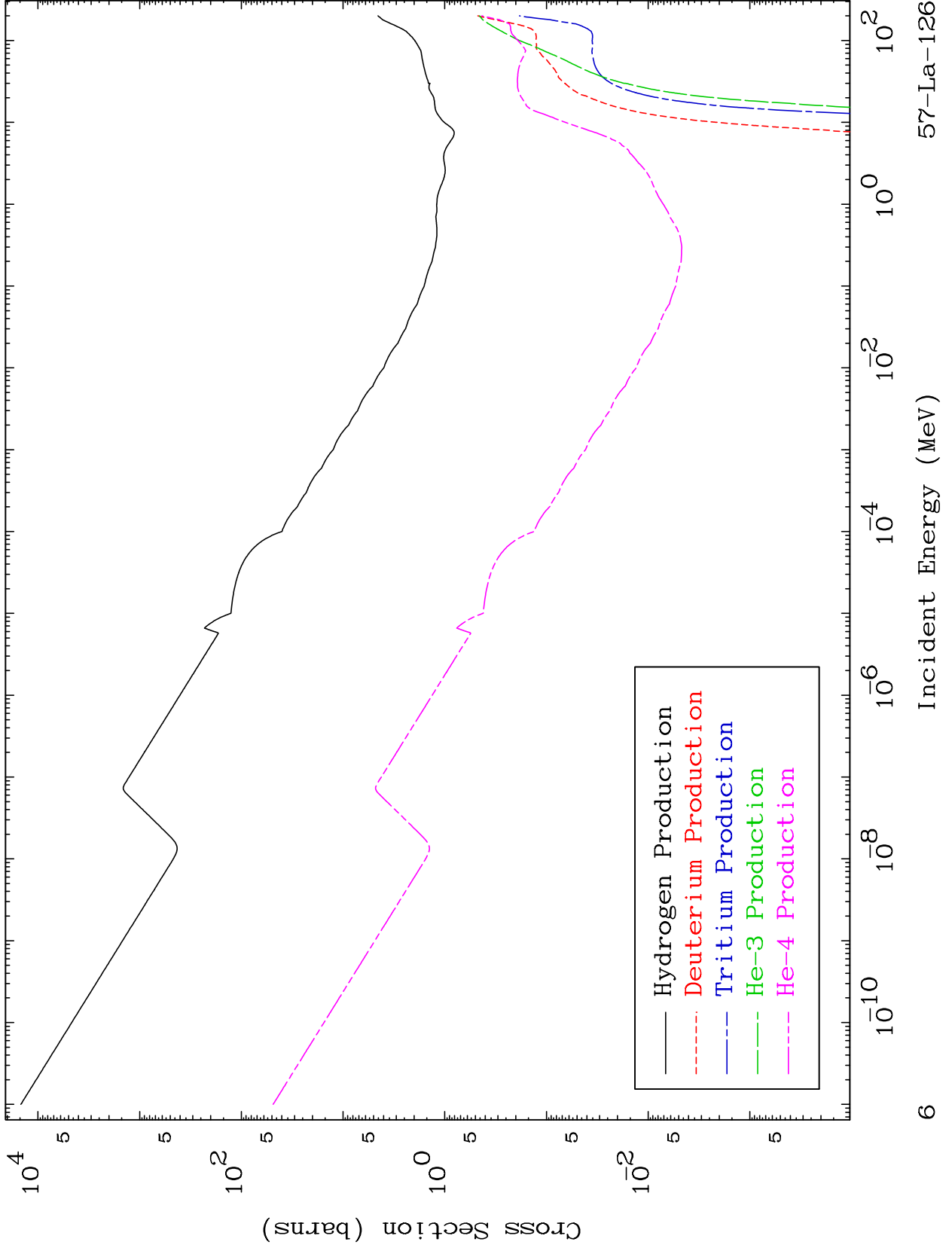
57-La-126



MAT 5689

Particle Production  
293 Kelvin Cross Sections

57-La-126

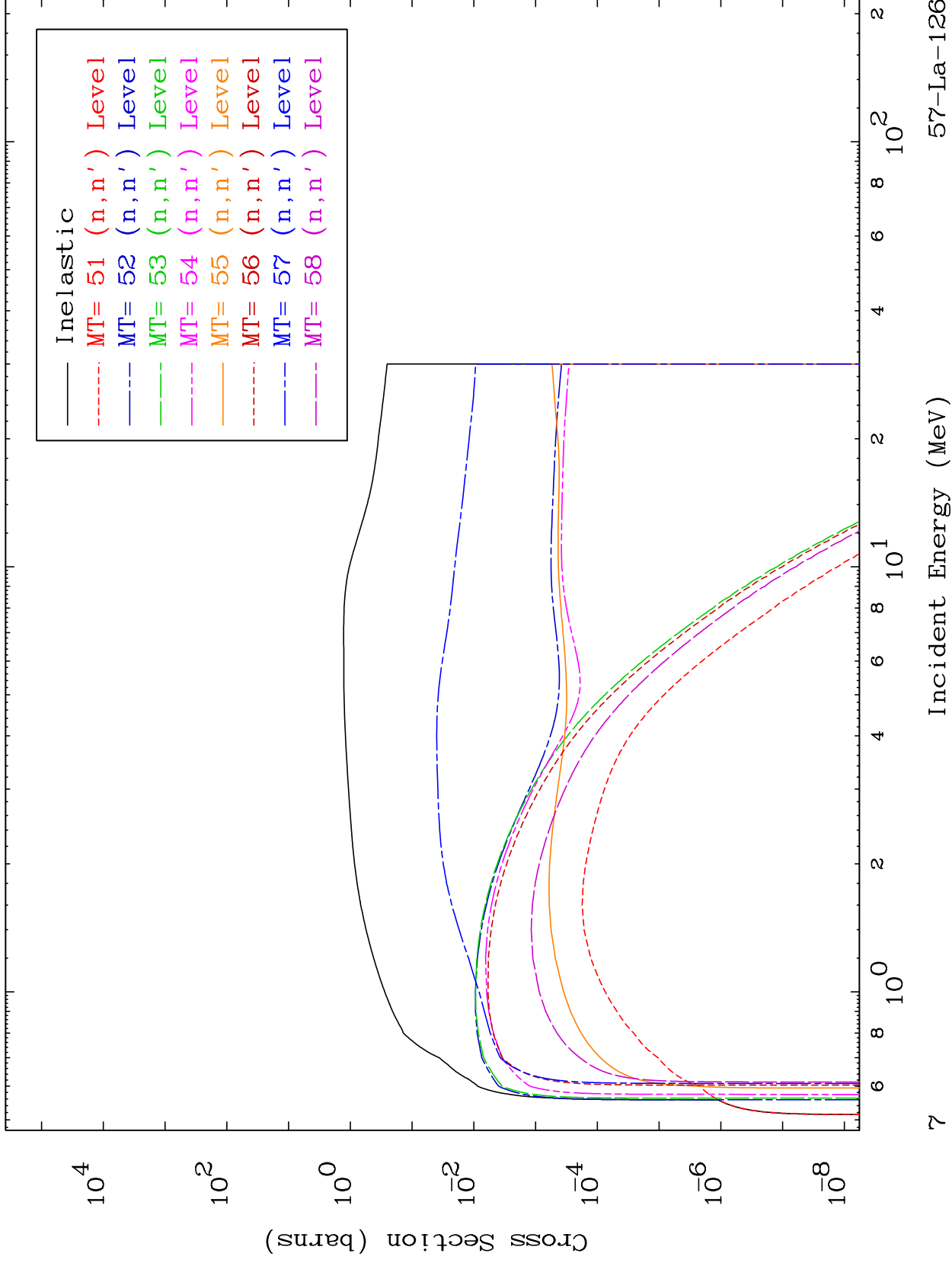


MAT 5689

(n,n') Level

57-La-126

293 Kelvin Cross Sections



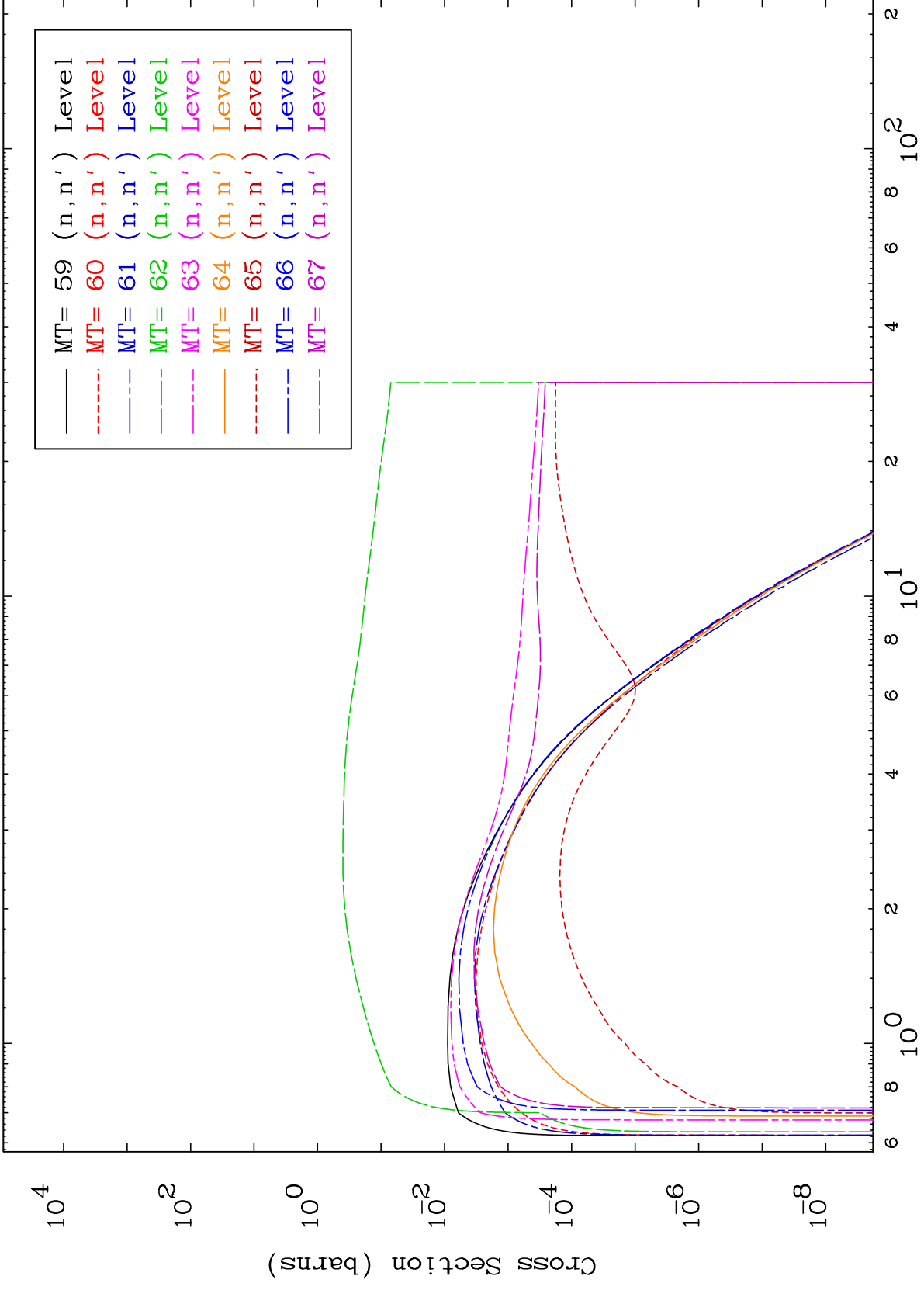


MAT 5689

(n,n') Level

57-La-126

293 Kelvin Cross Sections



Incident Energy (MeV)

57-La-126

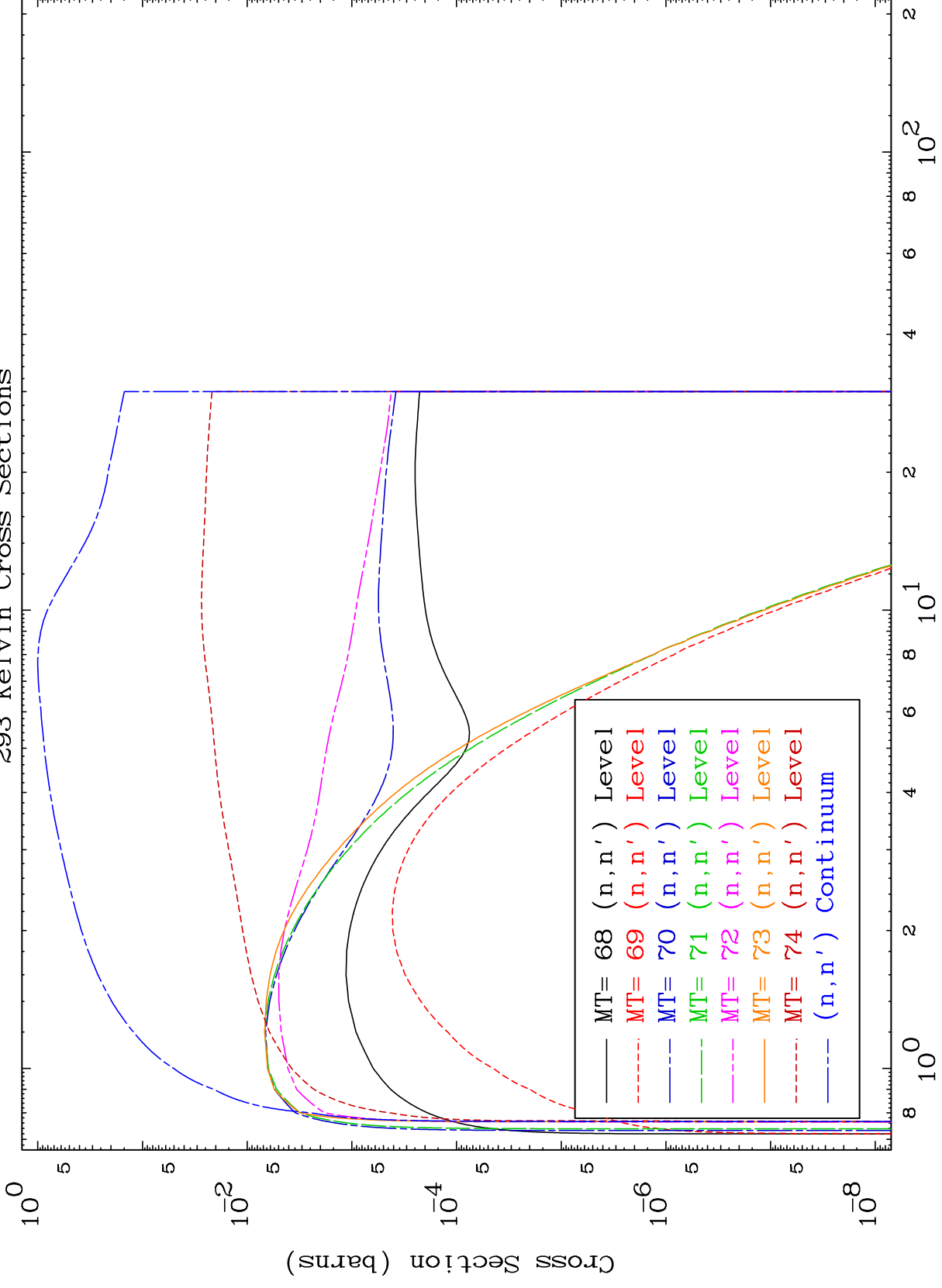
8

MAT 5689

(n,n') Level

57-La-126

293 Kelvin Cross Sections



9

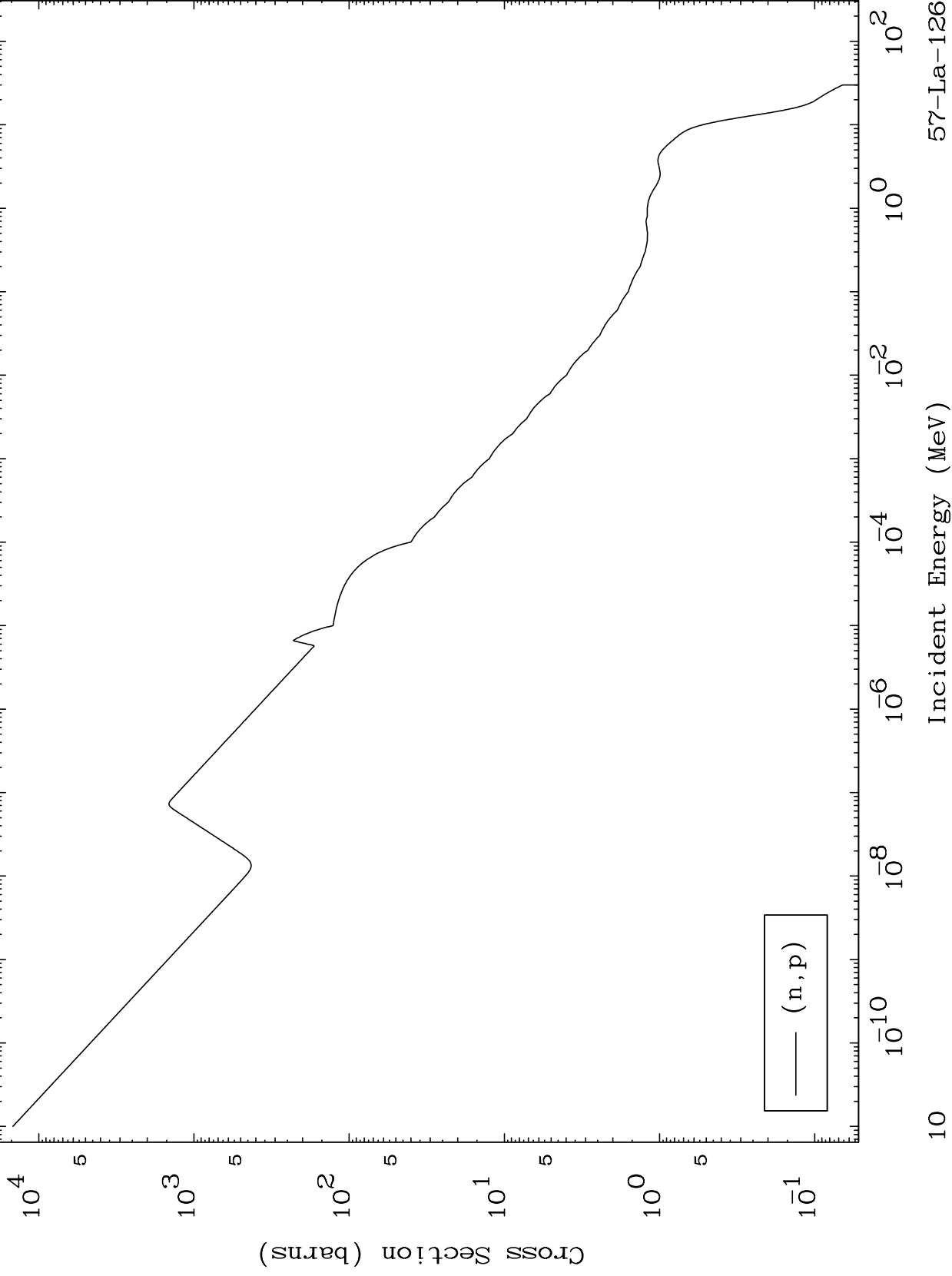
Incident Energy (MeV)

57-La-126

MAT 5689

(n,p) Levels  
293 Kelvin Cross Sections

57-La-126



10

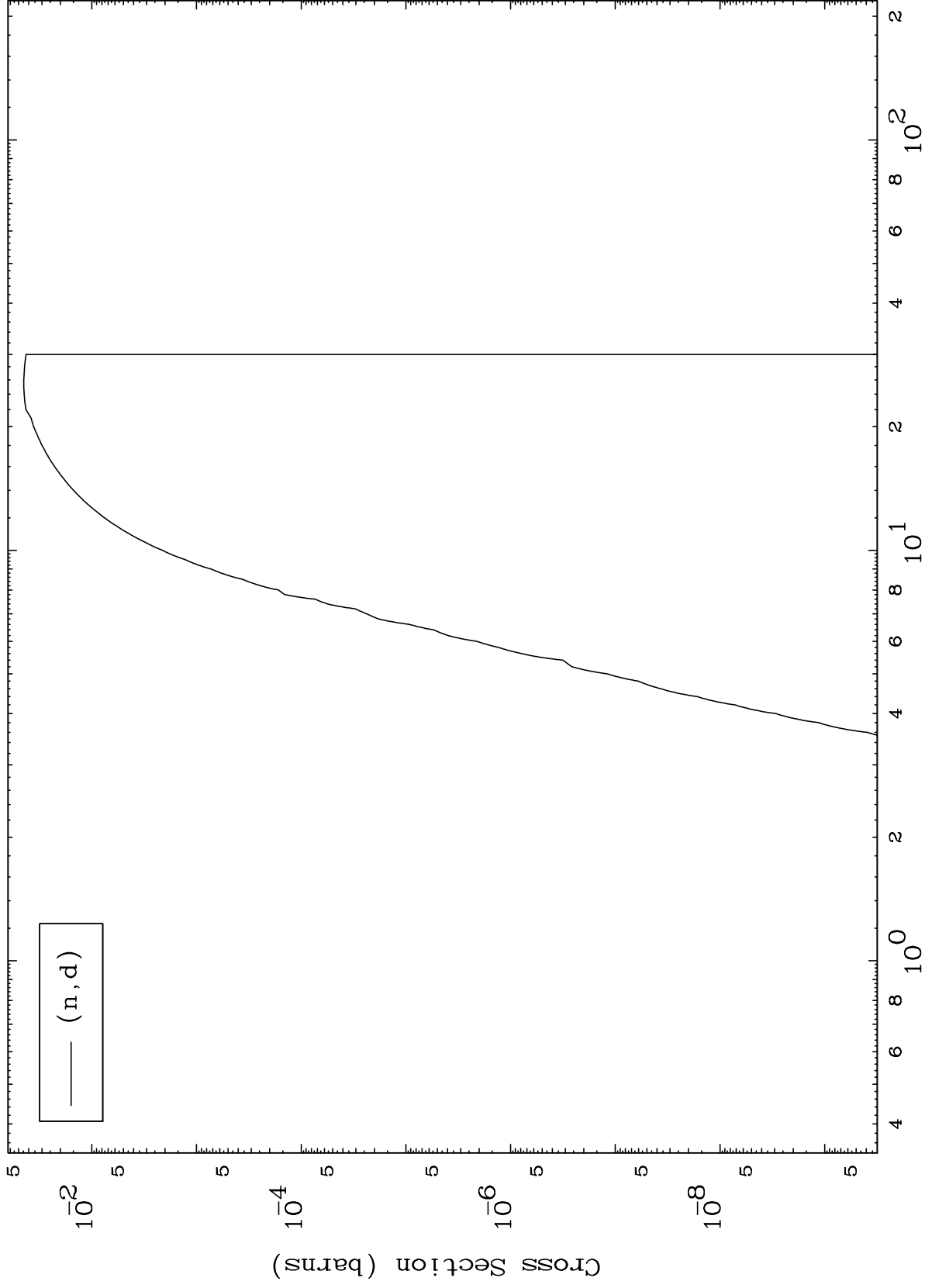
Incident Energy (MeV)

57-La-126

MAT 5689

(n,d) Levels  
293 Kelvin Cross Sections

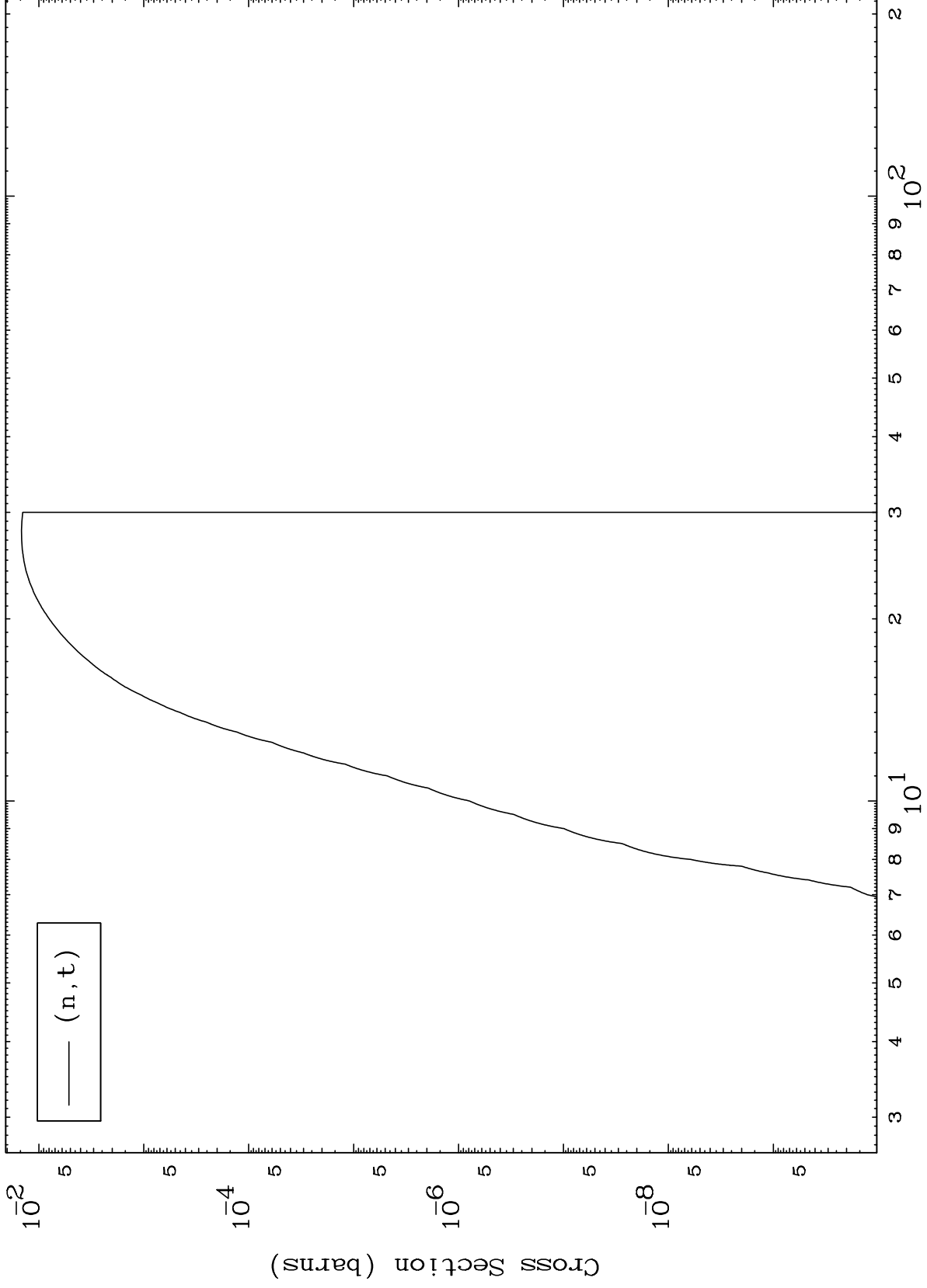
57-La-126



MAT 5689

(n,t) Levels  
293 Kelvin Cross Sections

57-La-126



12

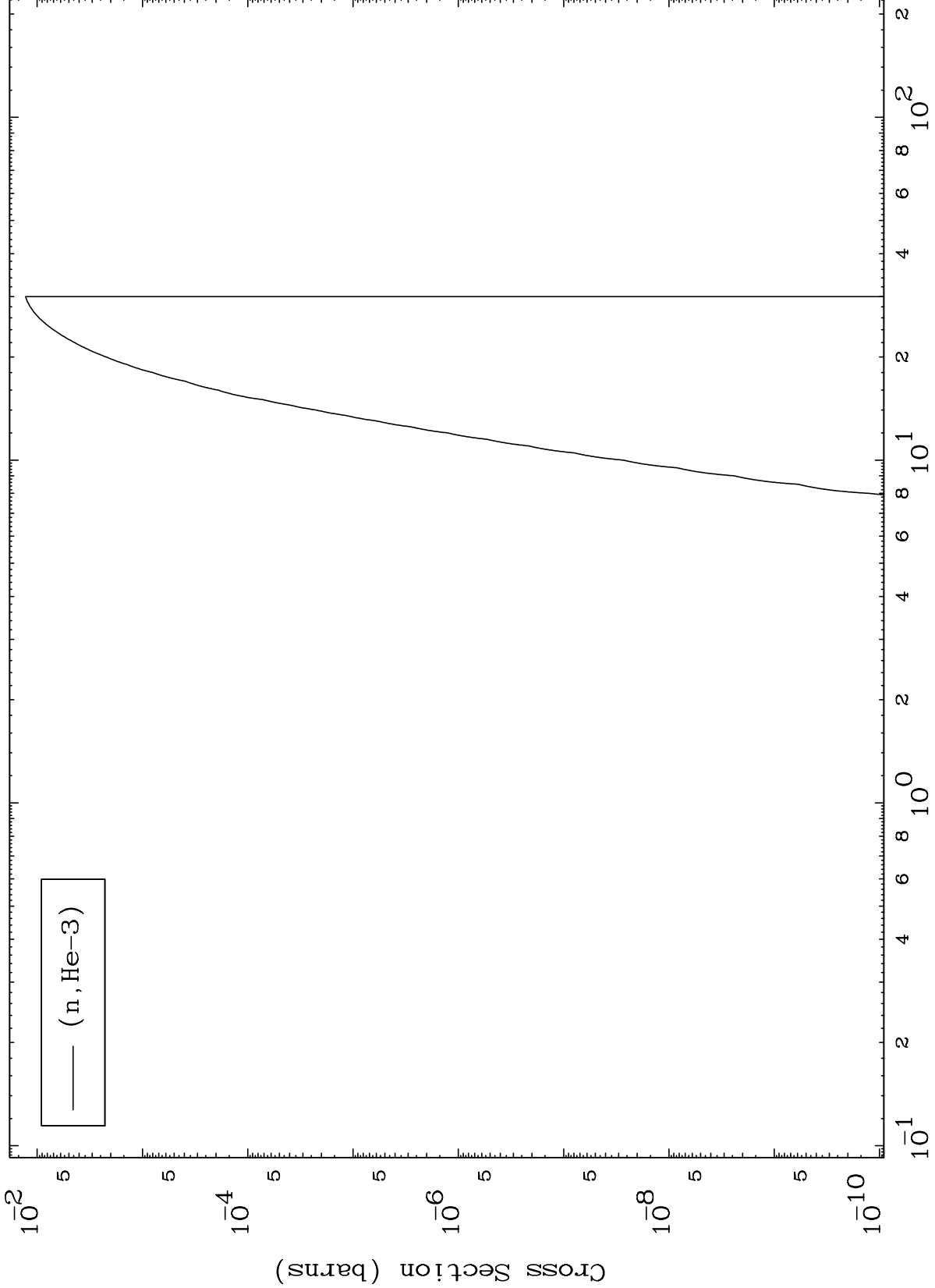
Incident Energy (MeV)

57-La-126

MAT 5689

(n,He3) Levels  
293 Kelvin Cross Sections

57-La-126



13

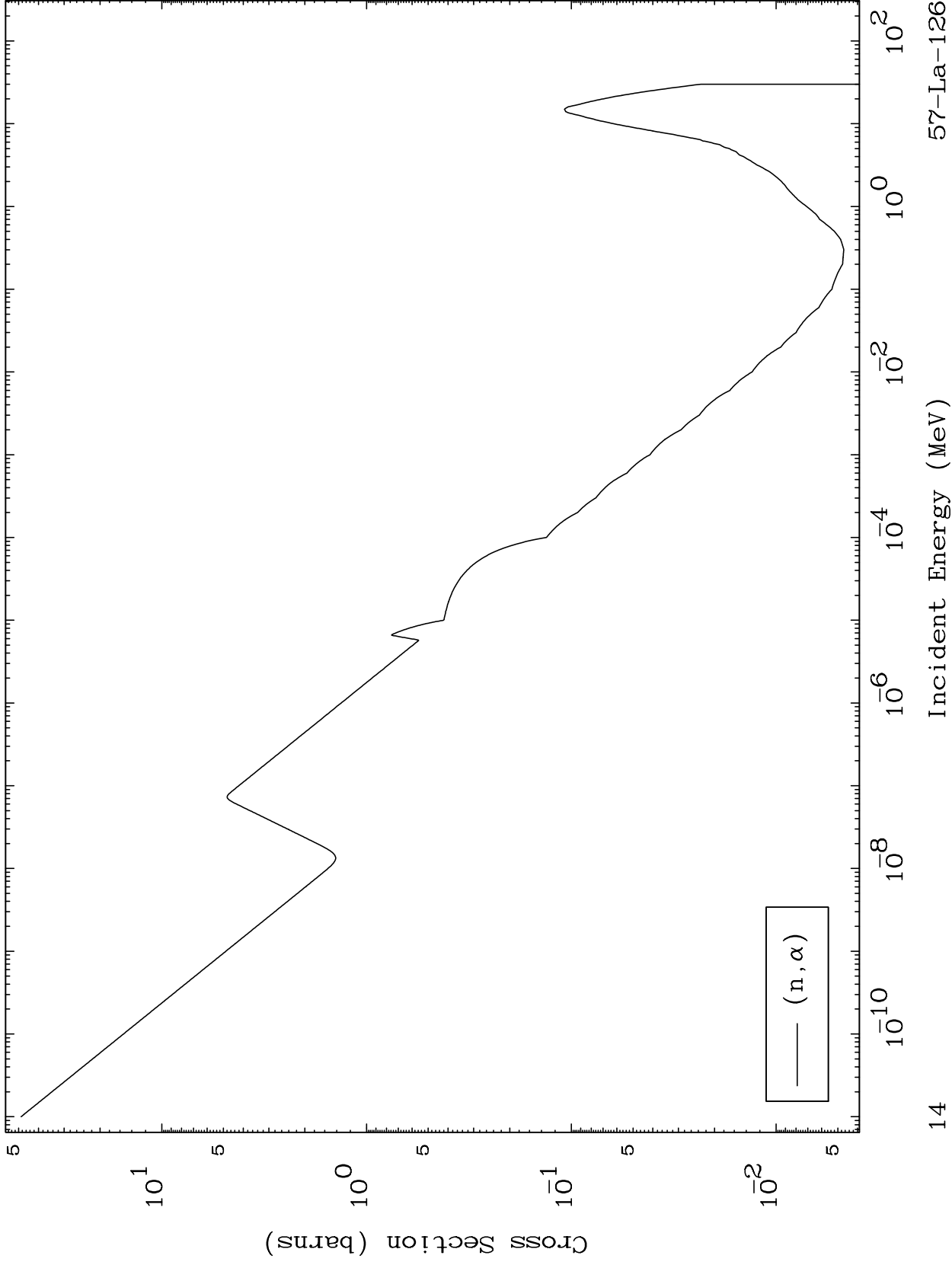
Incident Energy (MeV)

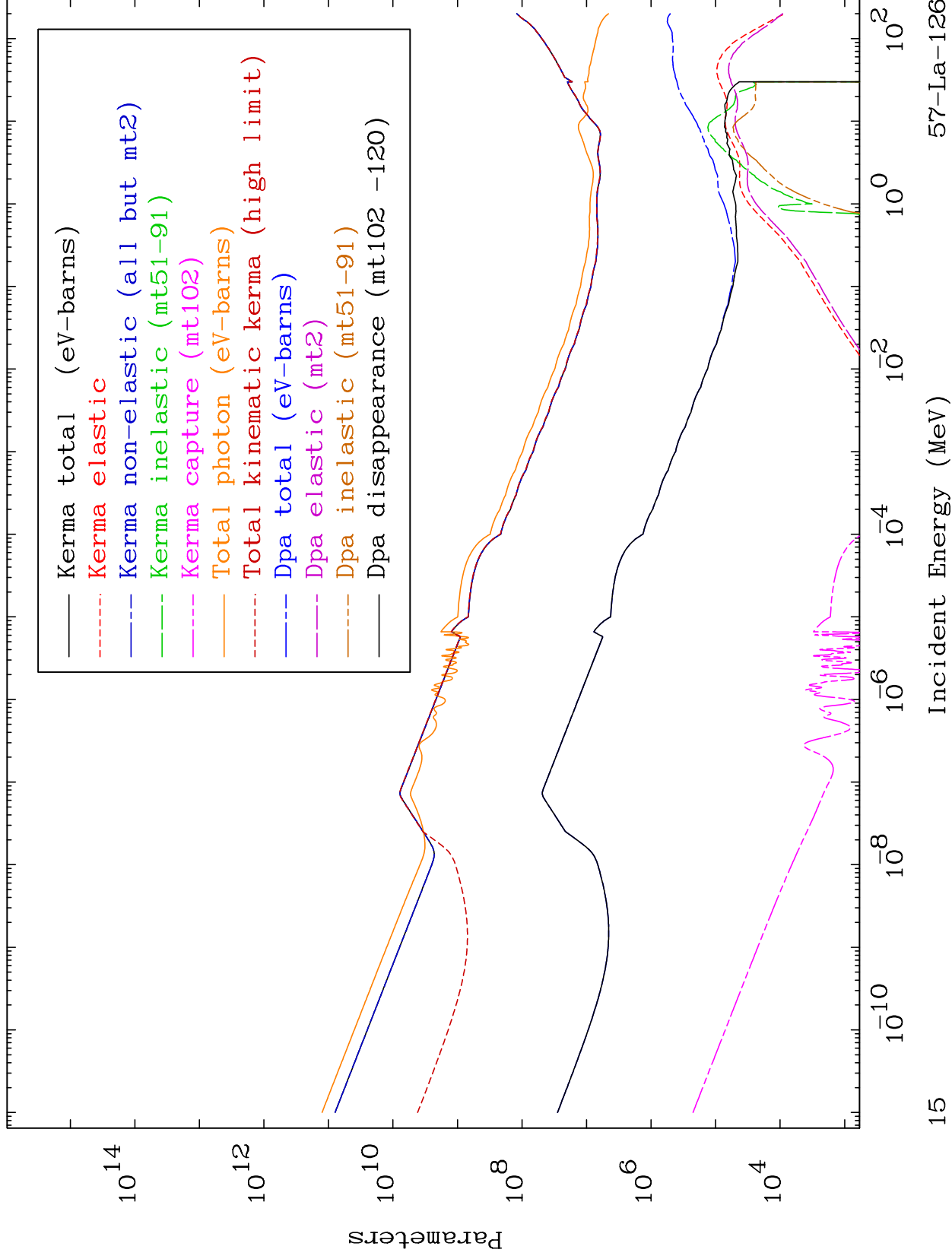
57-La-126

MAT 5689

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

57-La-126



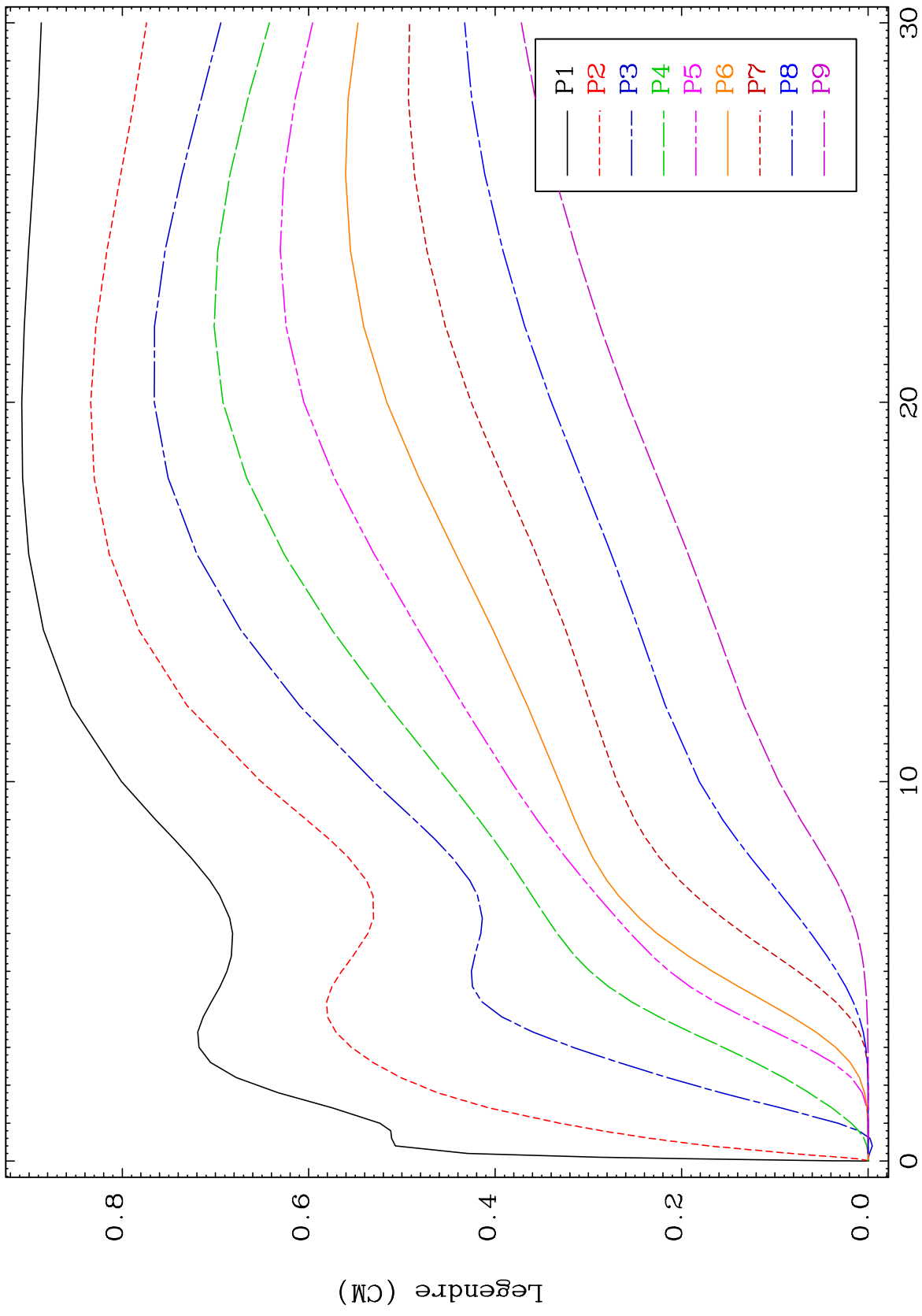




MAT 5689

57-La-126

Elastic Legendre Coefficients



57-La-126

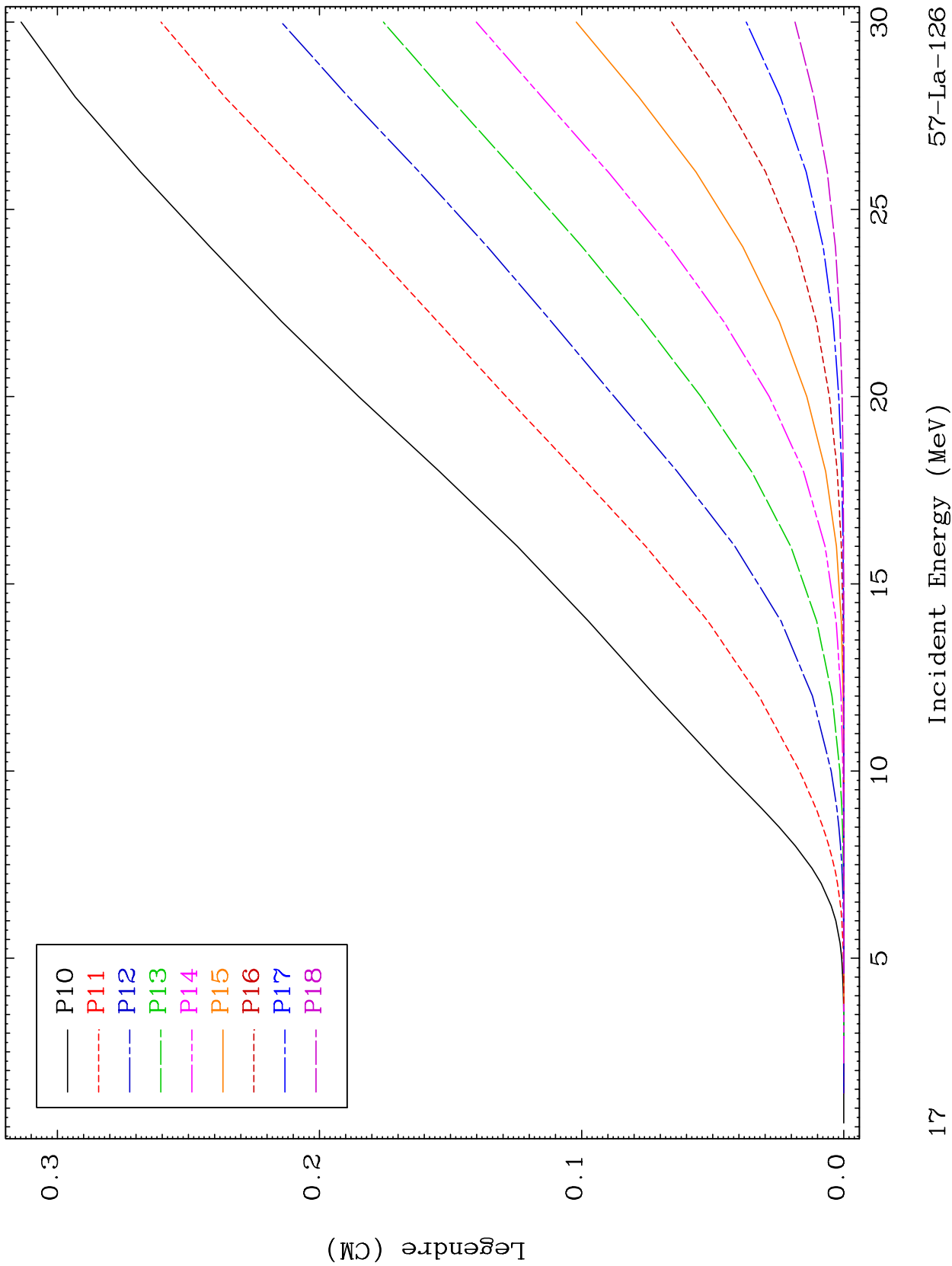
Incident Energy (MeV)

16

MAT 5689

Elastic Legendre Coefficients

57-La-126



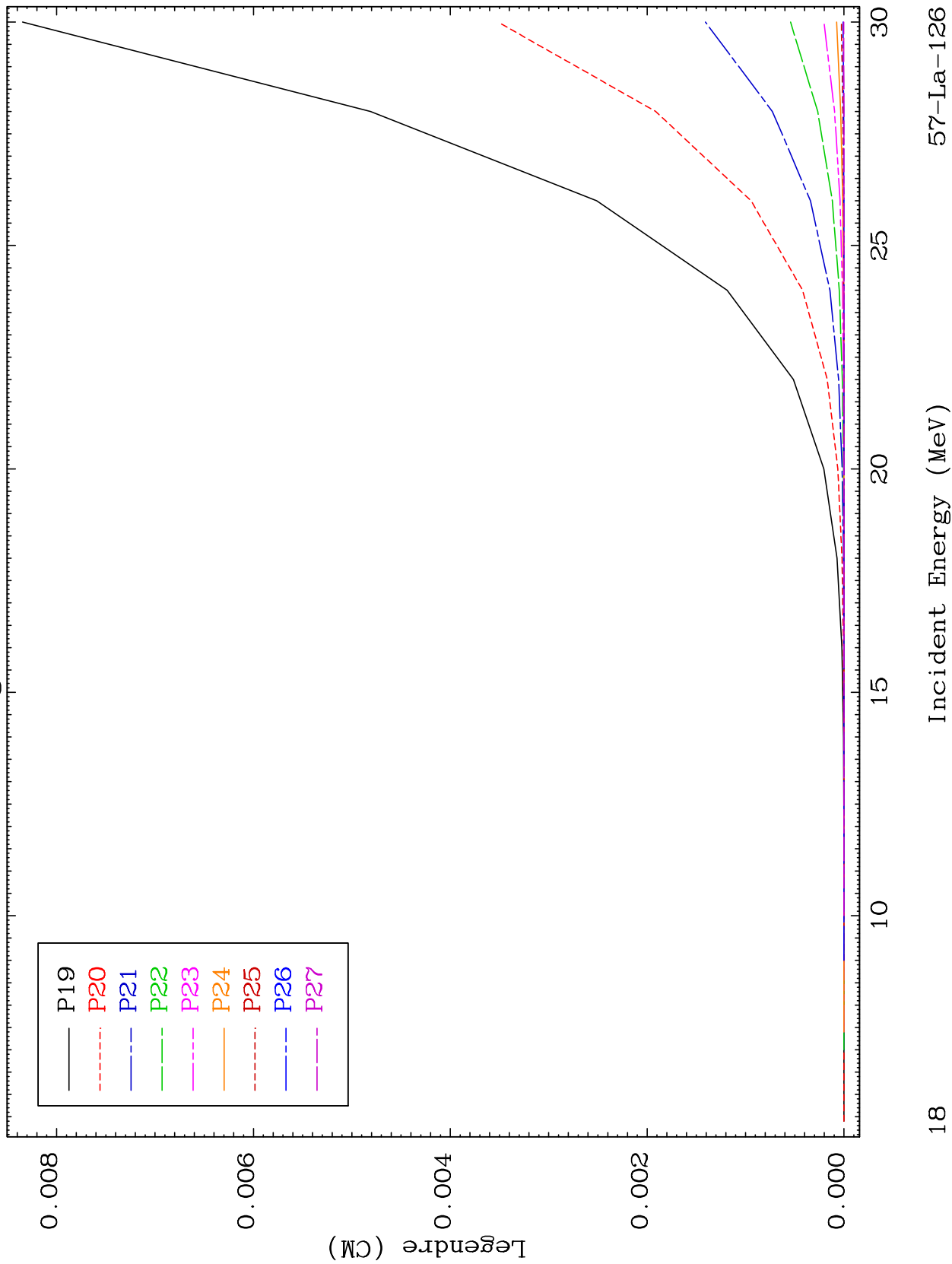
17

57-La-126

MAT 5689

### Elastic Legendre Coefficients

57-La-126



18

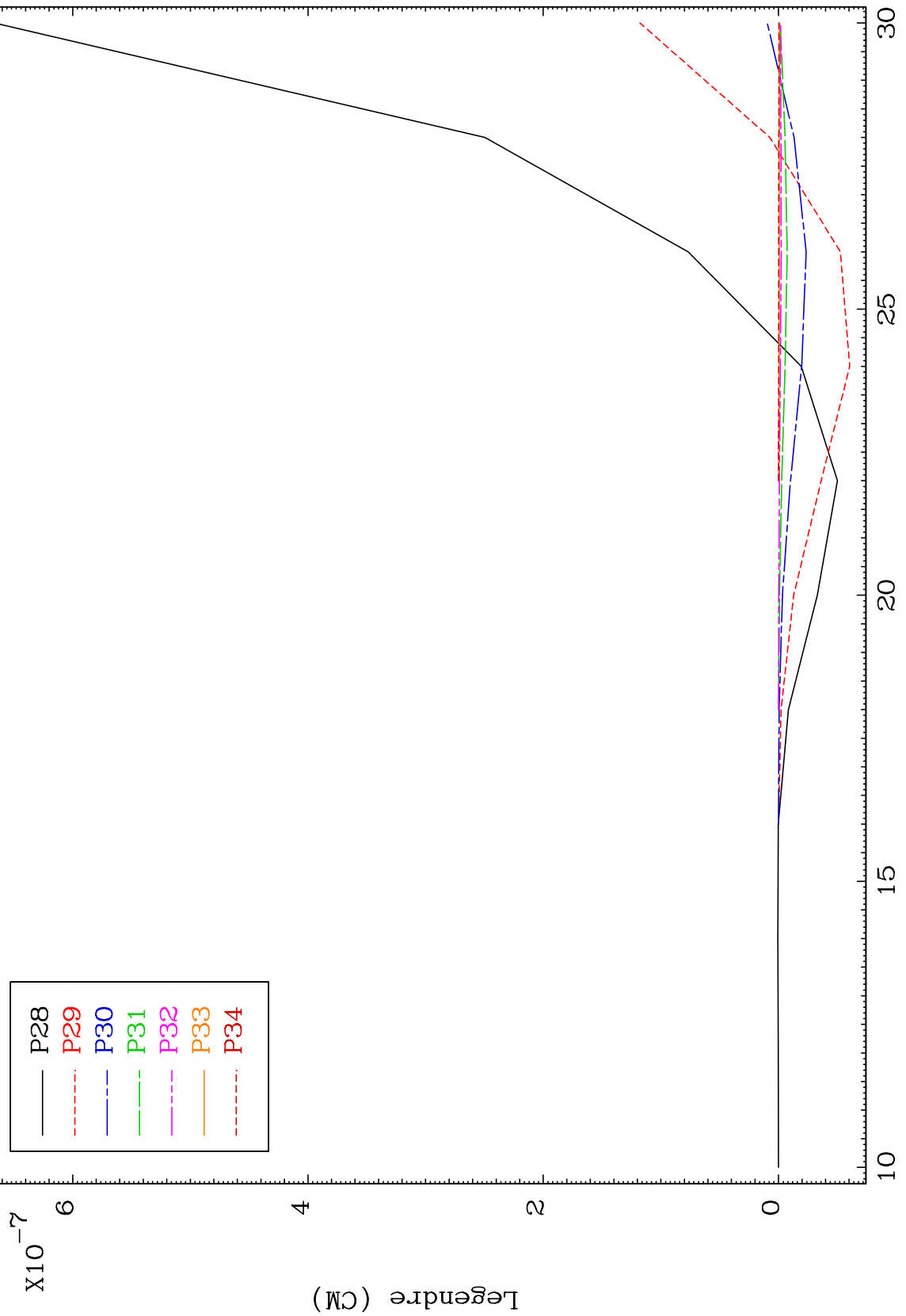
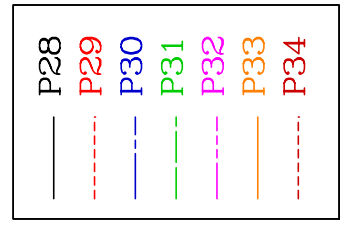
Incident Energy (MeV)

57-La-126

MAT 5689

Elastic Legendre Coefficients

57-La-126



19

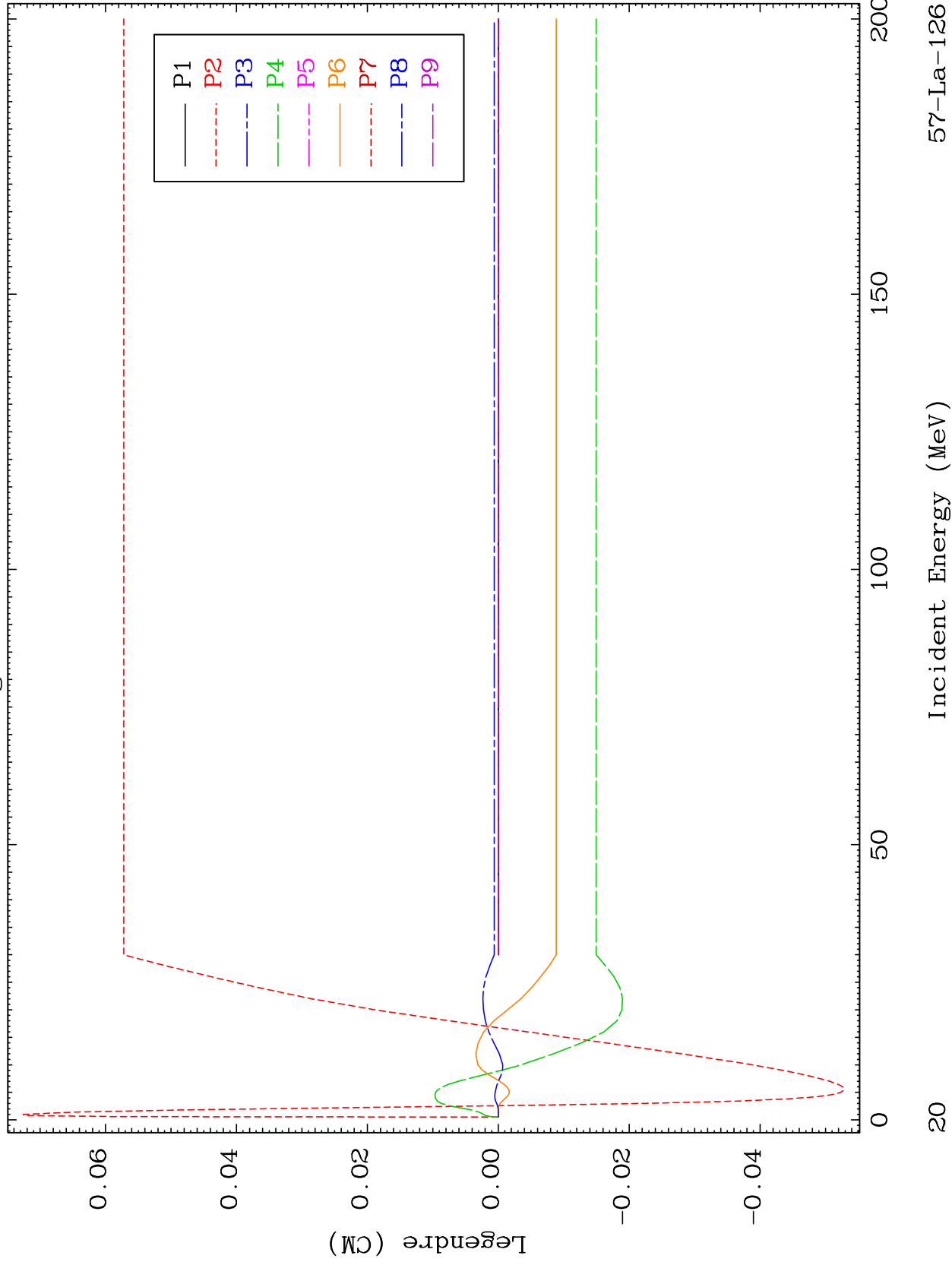
Incident Energy (MeV)

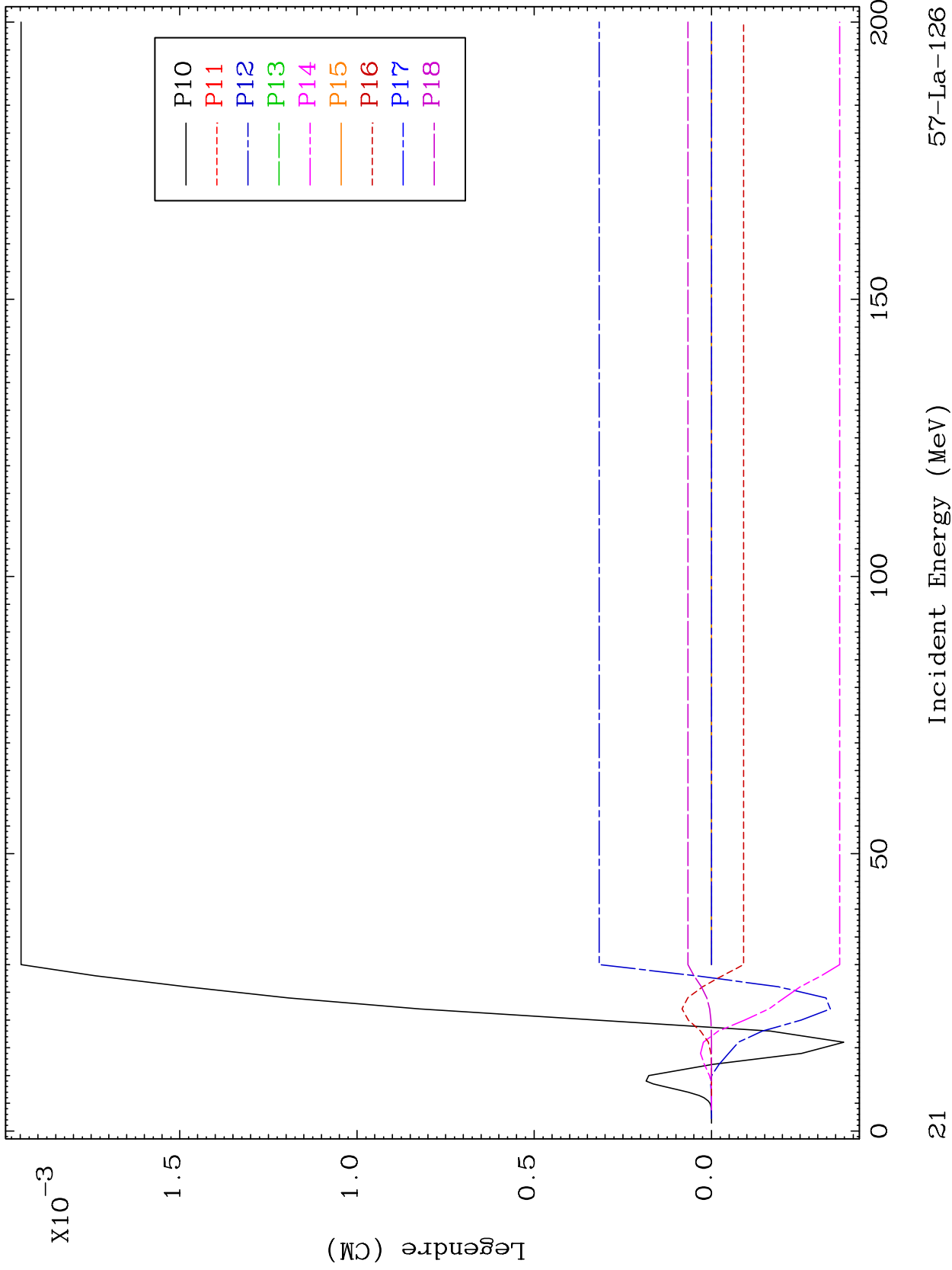
57-La-126

MAT 5689

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

57-La-126

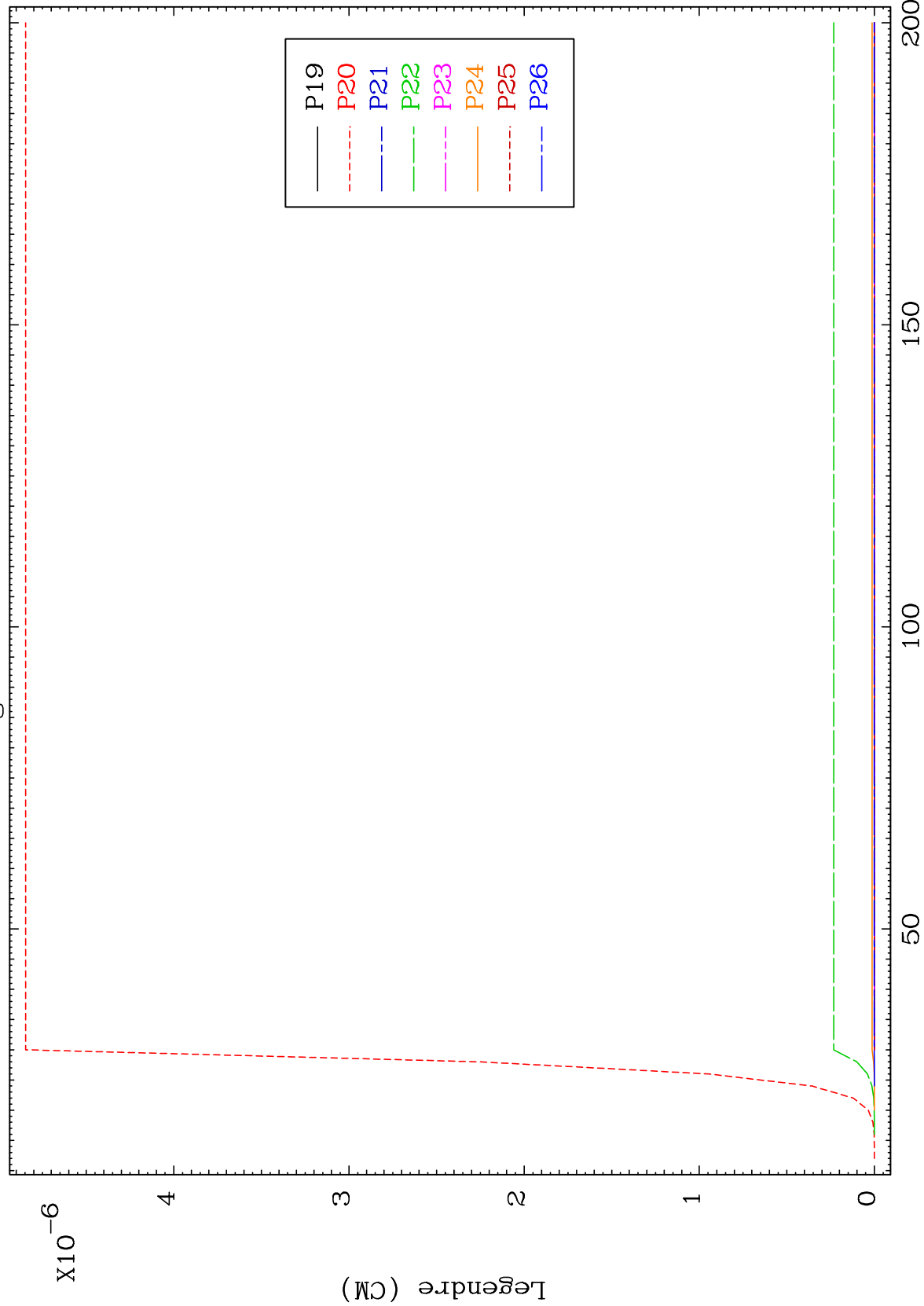




MAT 5689

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

57-La-126



22

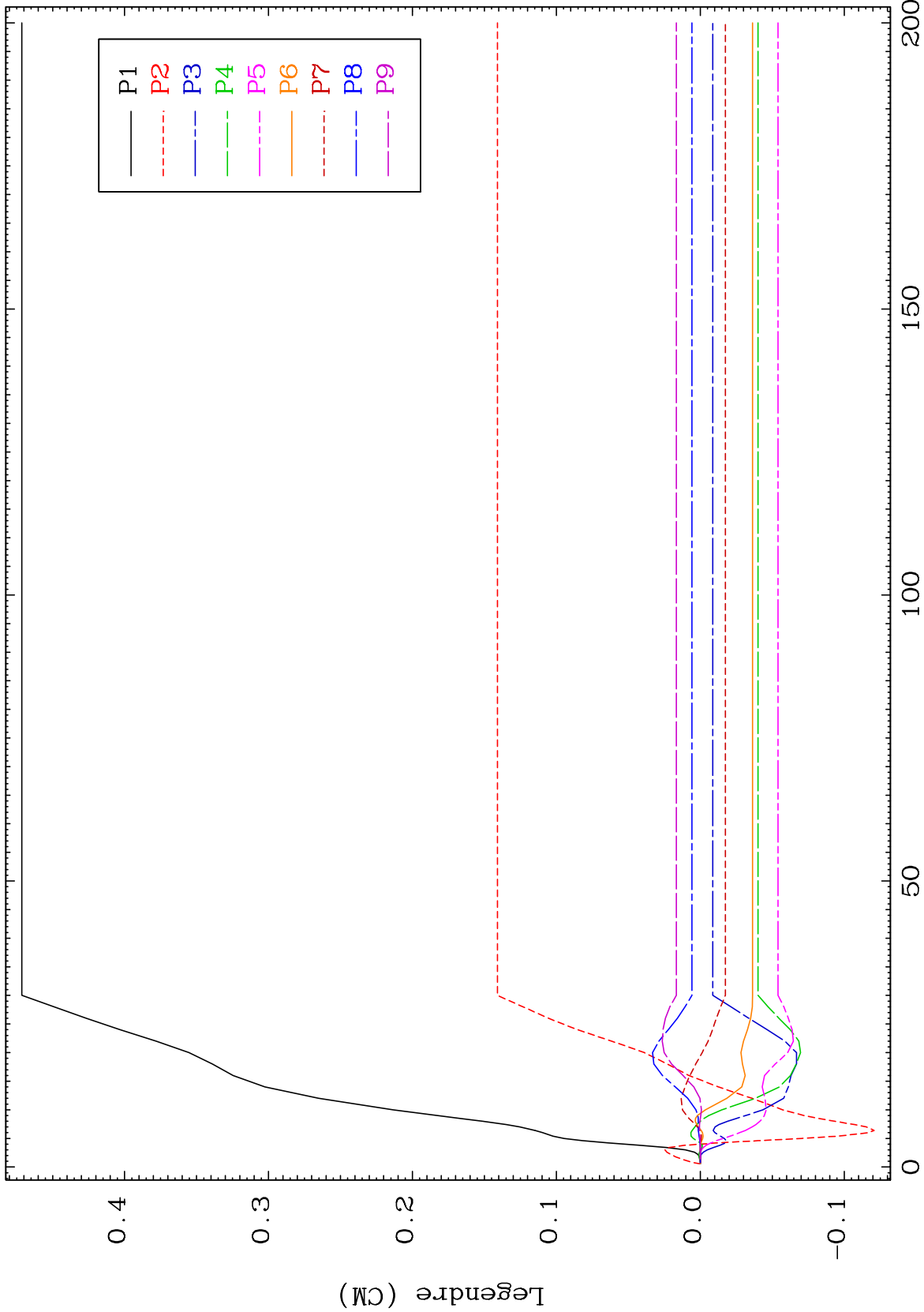
Incident Energy (MeV)

57-La-126

MAT 5689

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

57-La-126



23

Incident Energy (MeV)

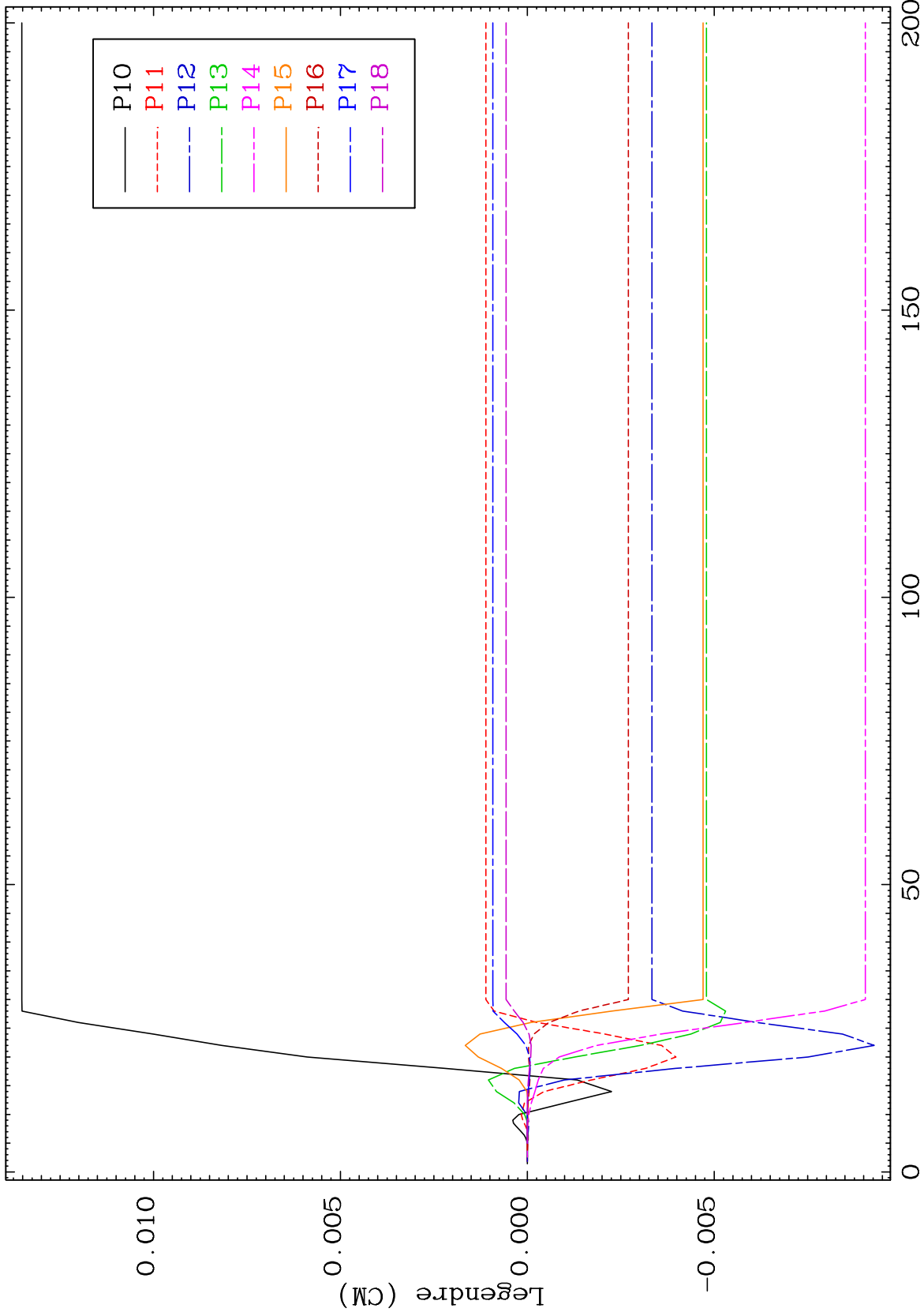
57-La-126



MAT 5689

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

57-La-126



24

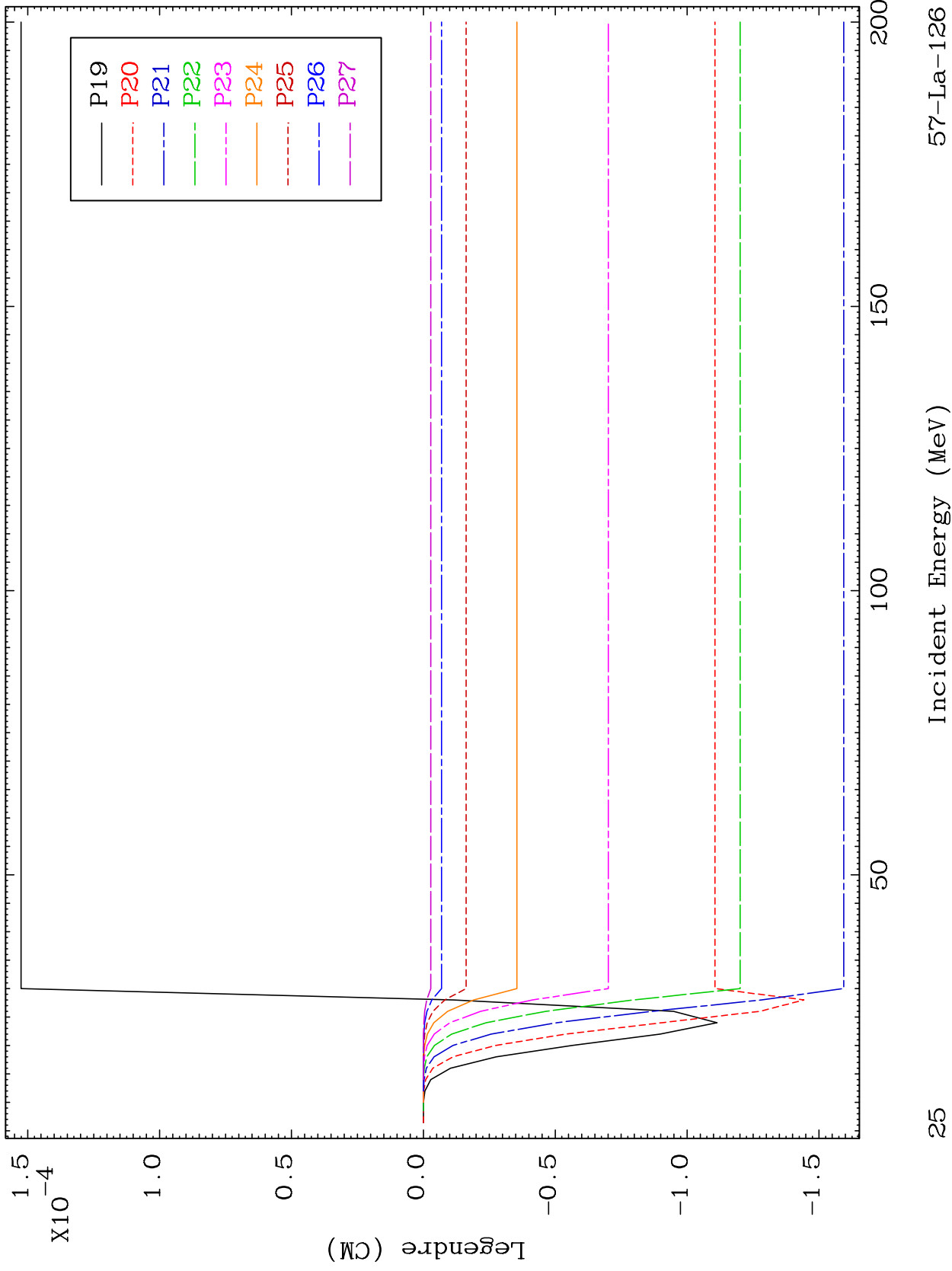
Incident Energy (MeV)

57-La-126

MAT 5689

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

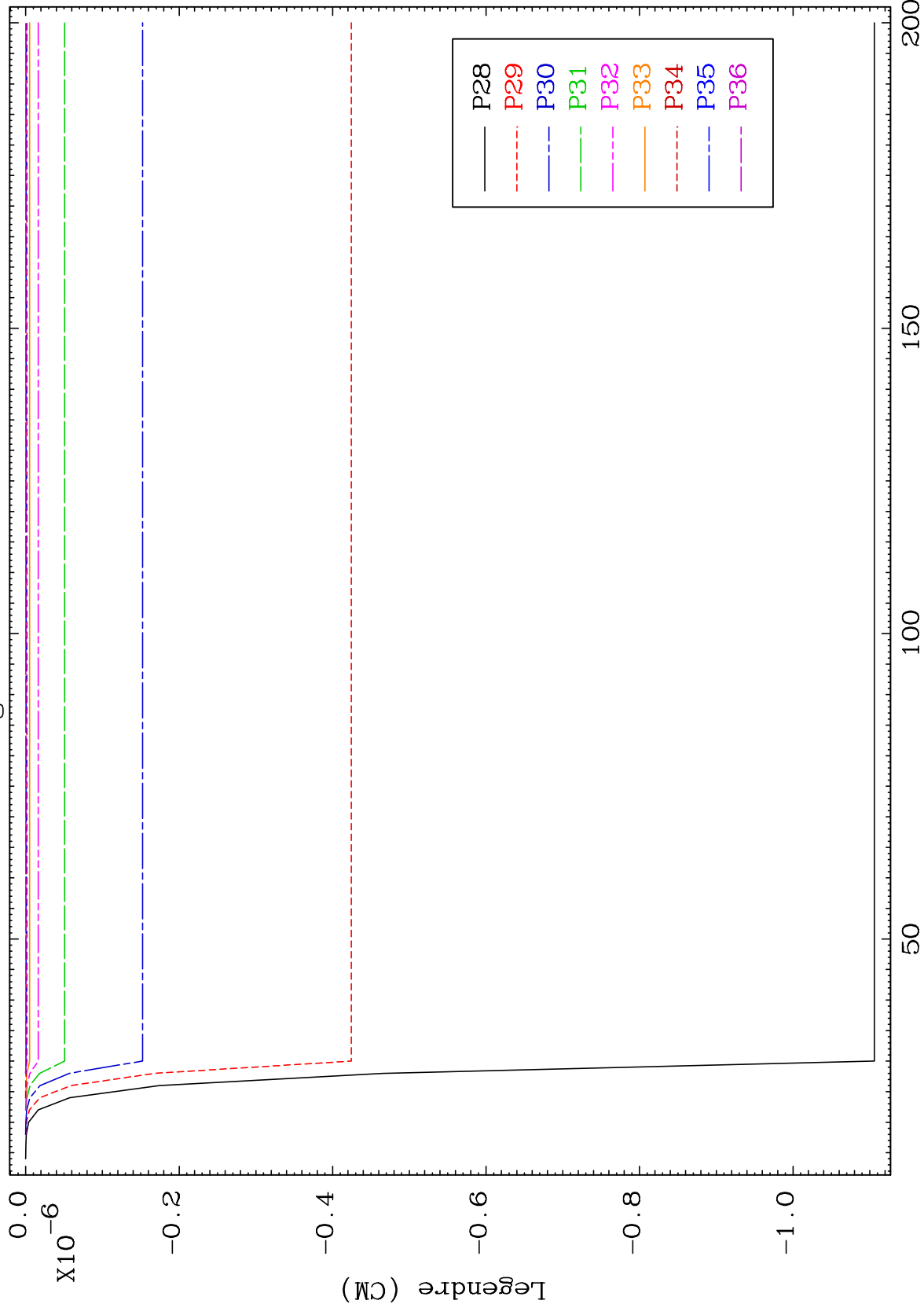
57-La-126



MAT 5689

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

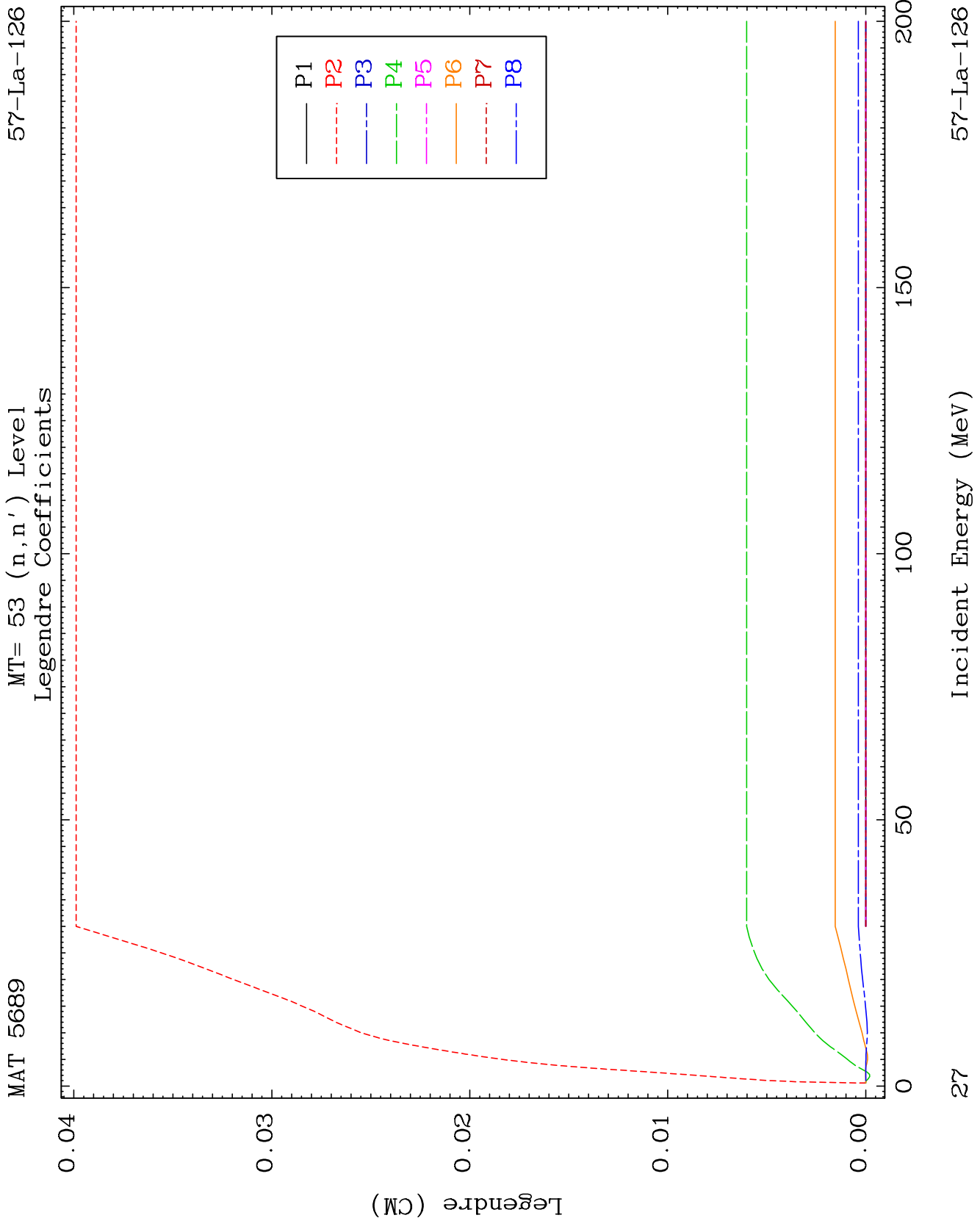
57-La-126



26

Incident Energy (MeV)

57-La-126

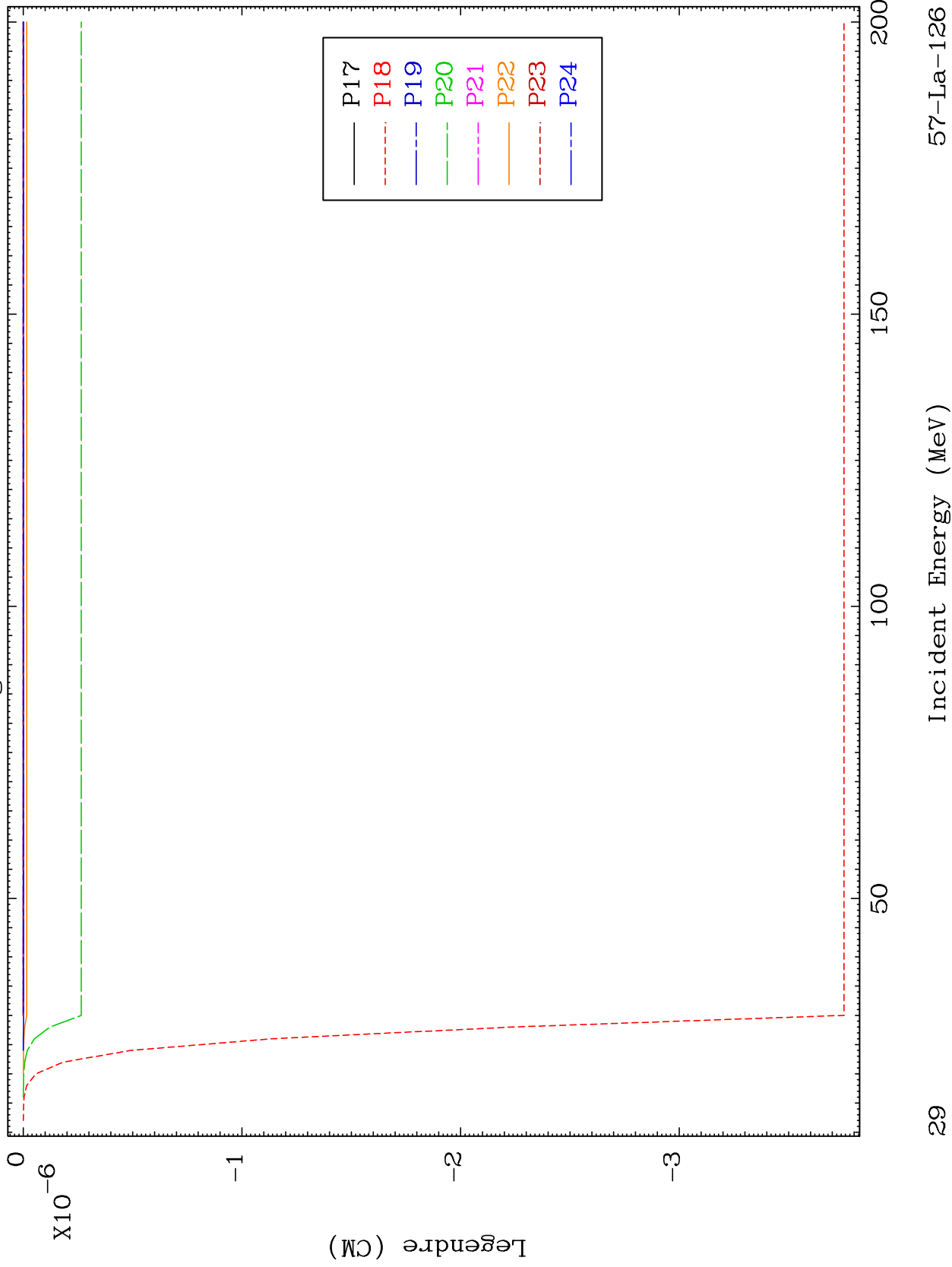




MAT 5689

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

57-La-126



29

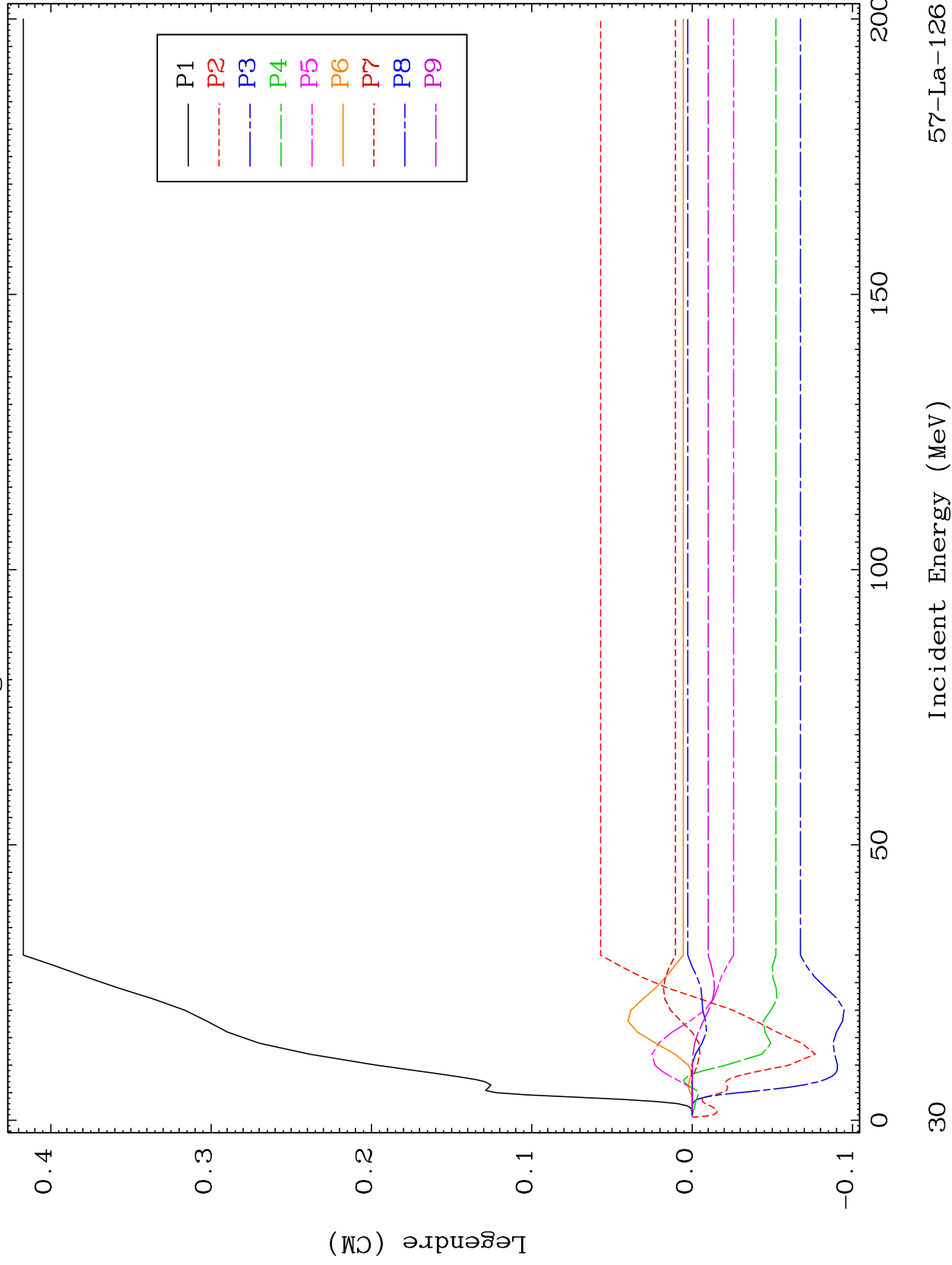
Incident Energy (MeV)

57-La-126

MAT 5689

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

57-La-126



57-La-126

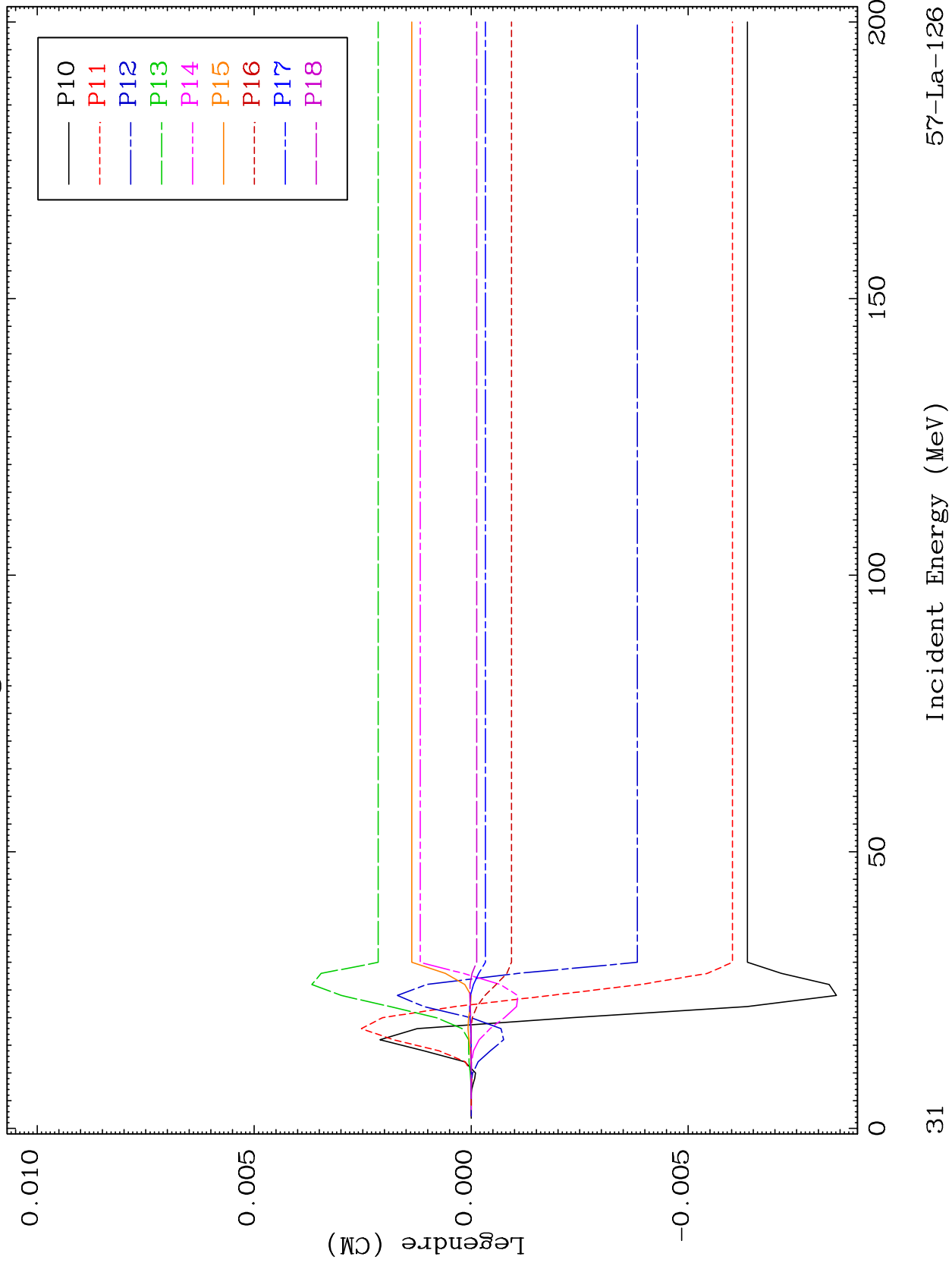
Incident Energy (MeV)

30

MAT 5689

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

57-La-126



57-La-126

Incident Energy (MeV)

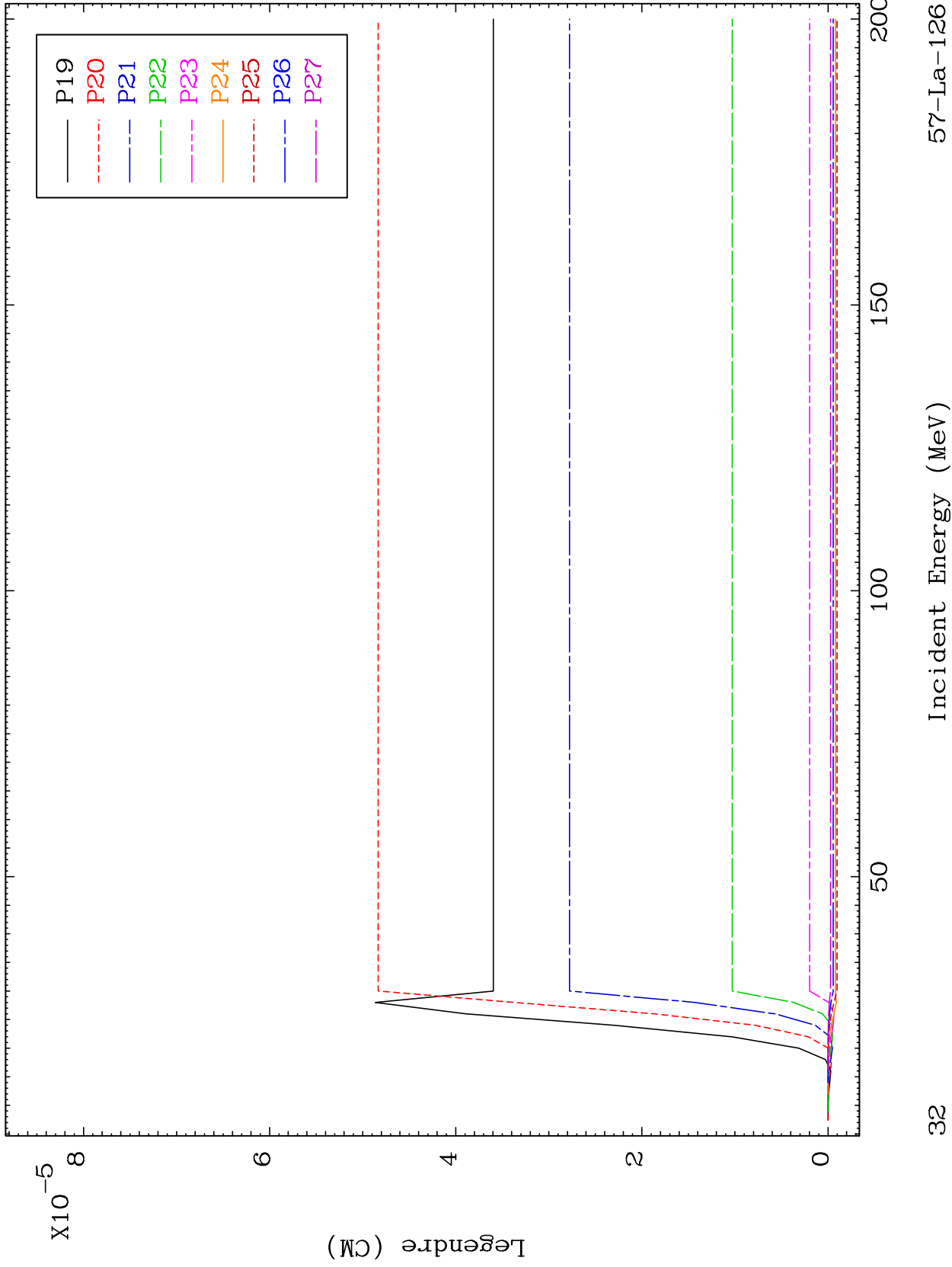
31



MAT 5689

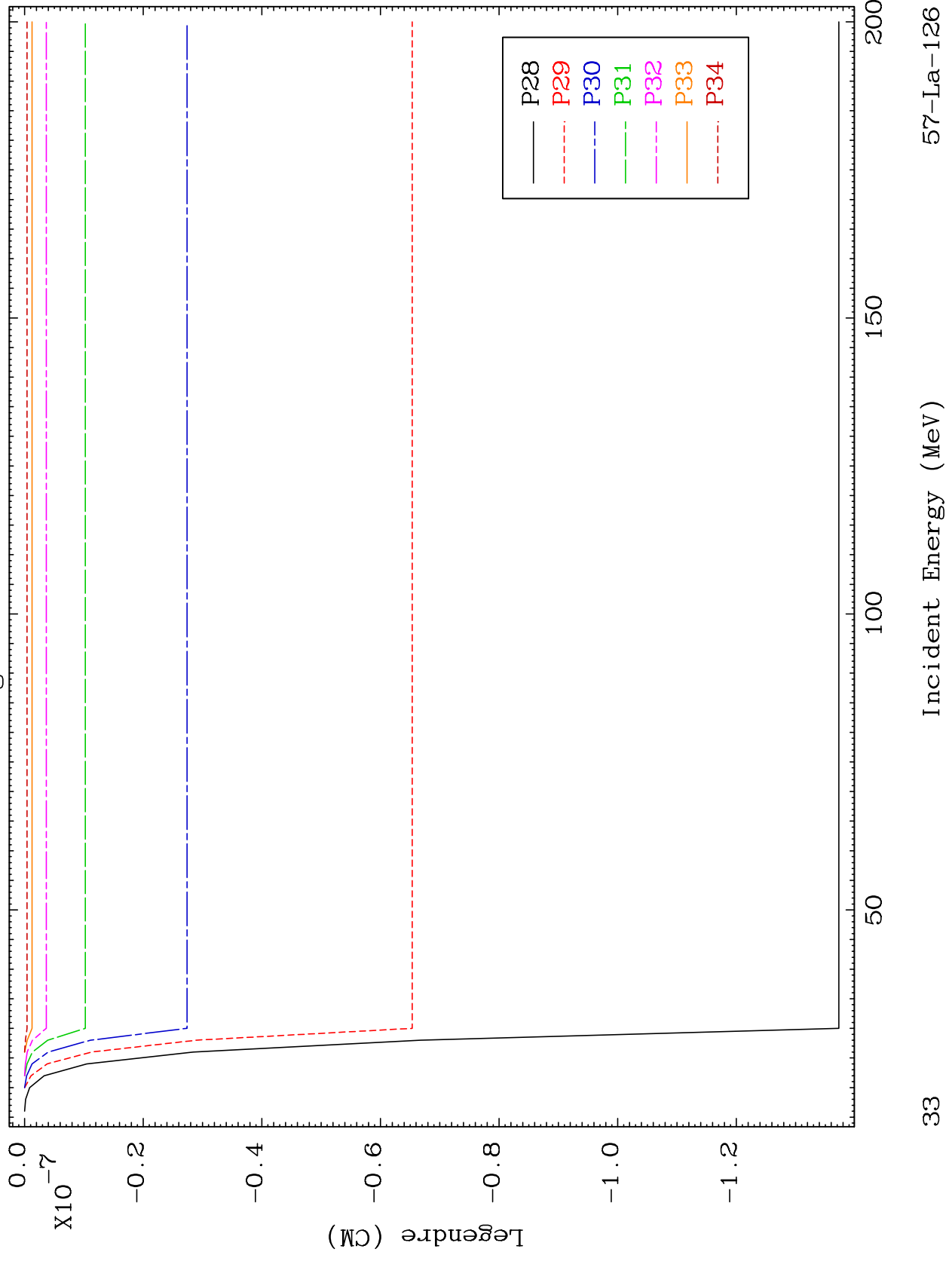
MT= 54 (n,n') Level  
Legendre Coefficients

57-La-126



32

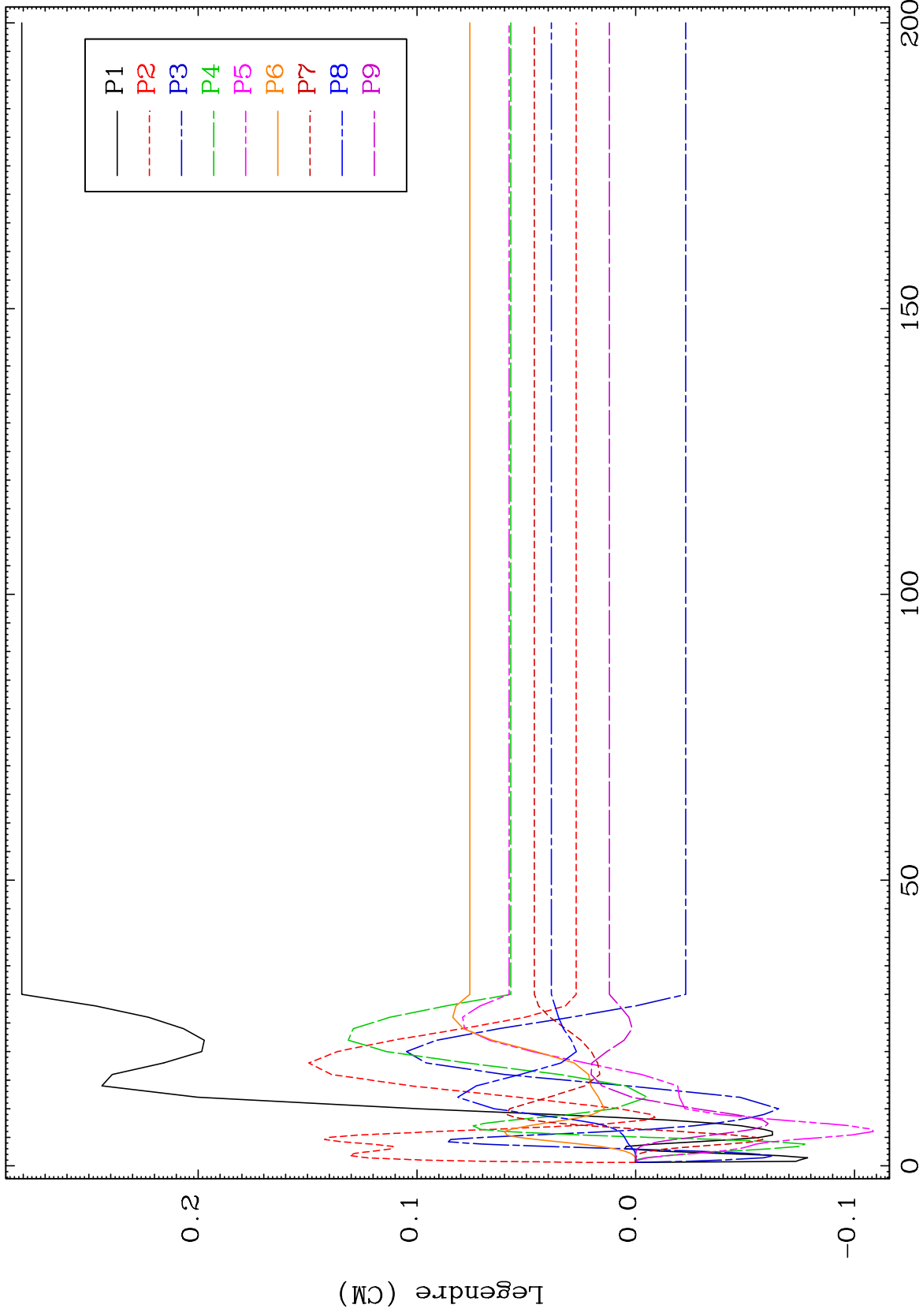
57-La-126



MAT 5689

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

57-La-126



34

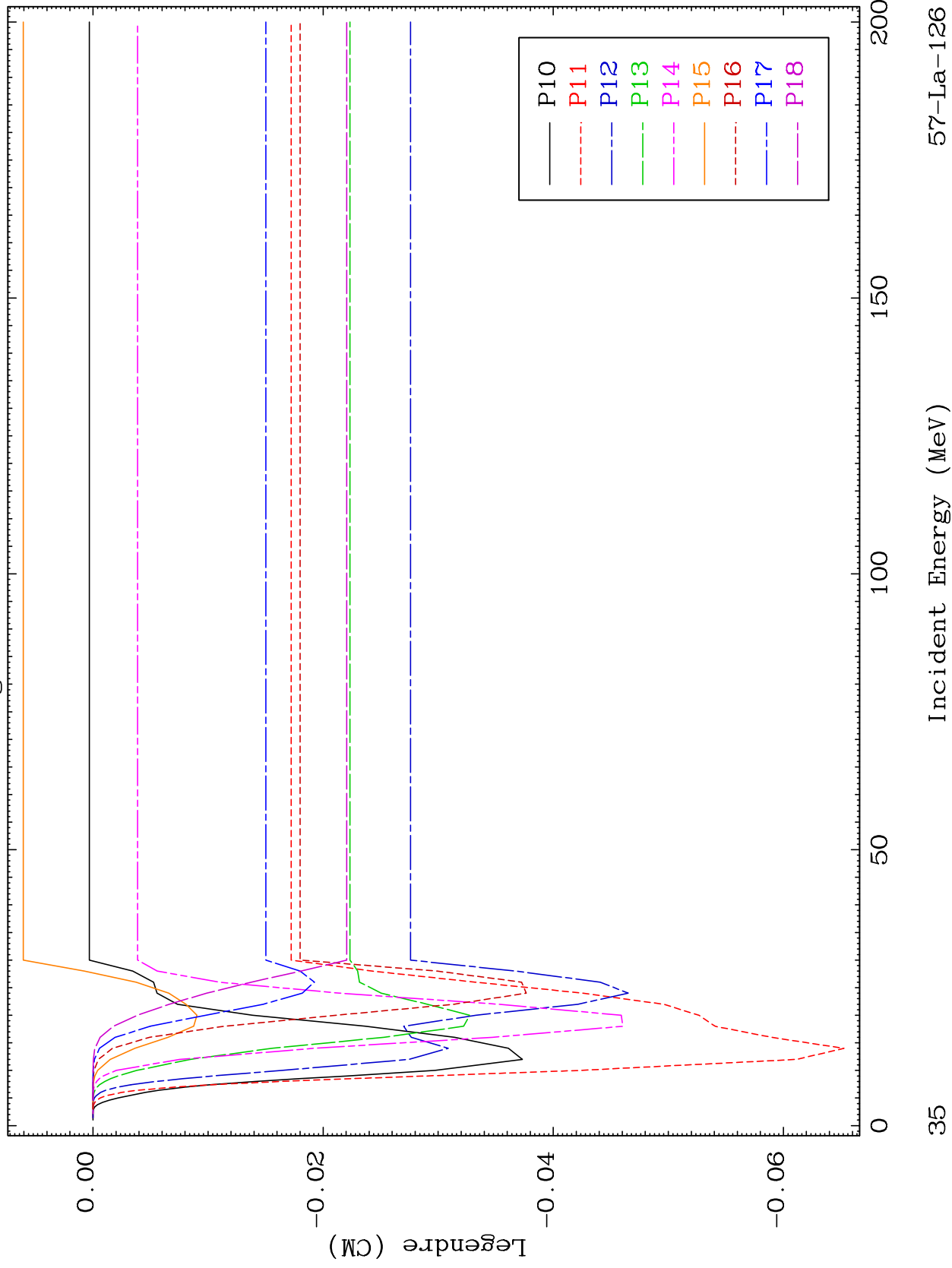
Incident Energy (MeV)

57-La-126

MAT 5689

57-La-126

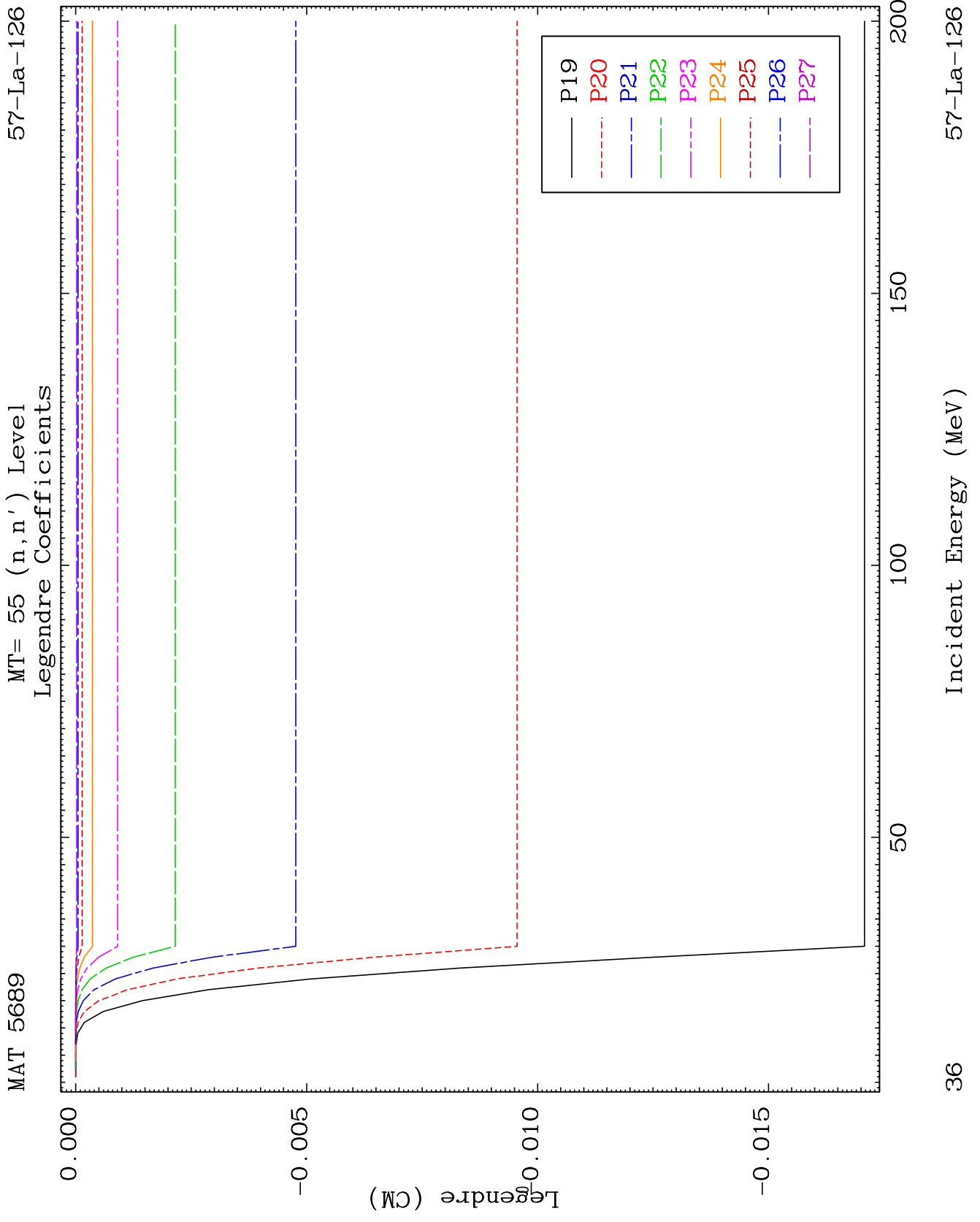
MT= 55 (n,n') Level  
Legendre Coefficients



57-La-126

Incident Energy (MeV)

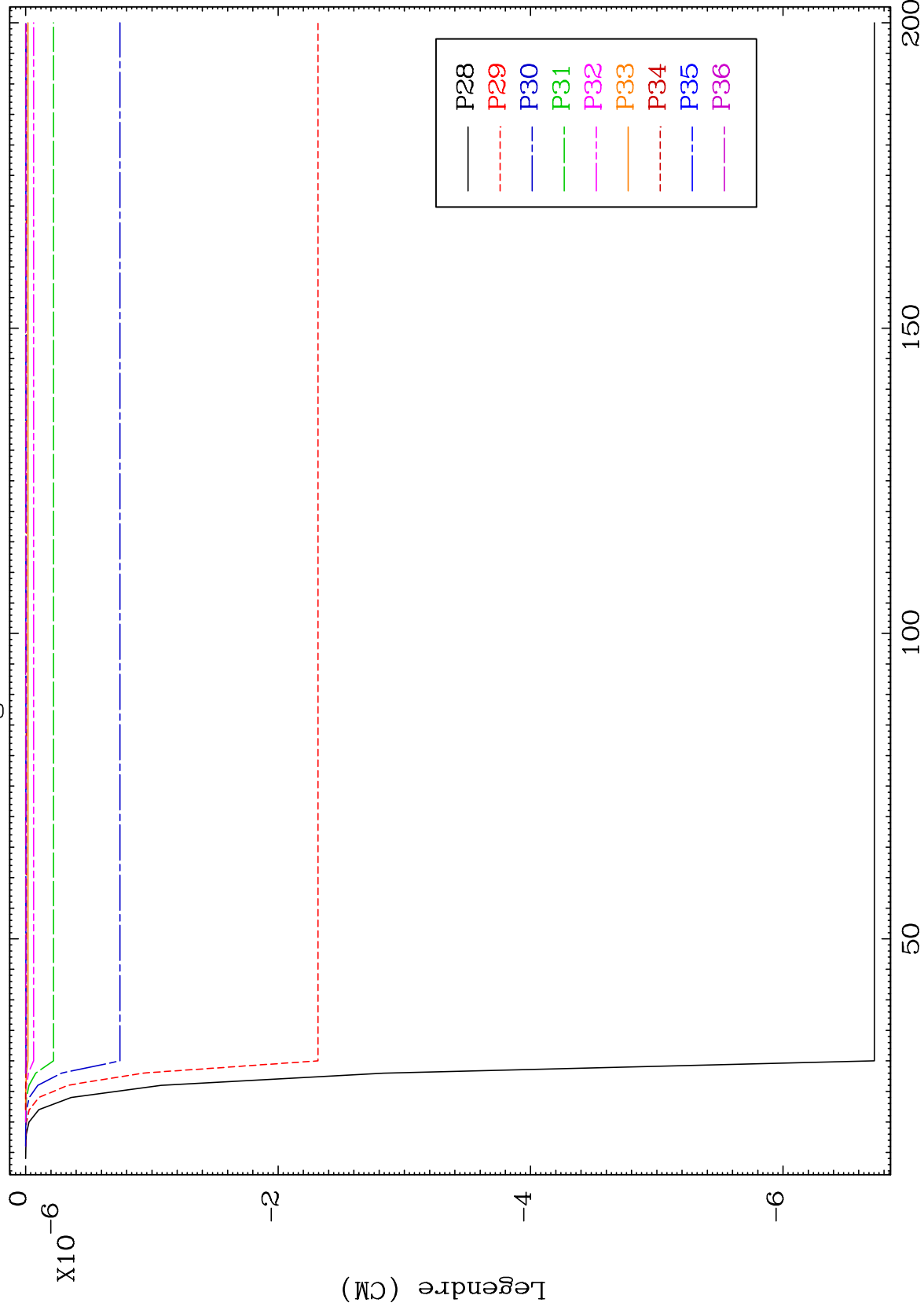
35



MAT 5689

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

57-La-126



37

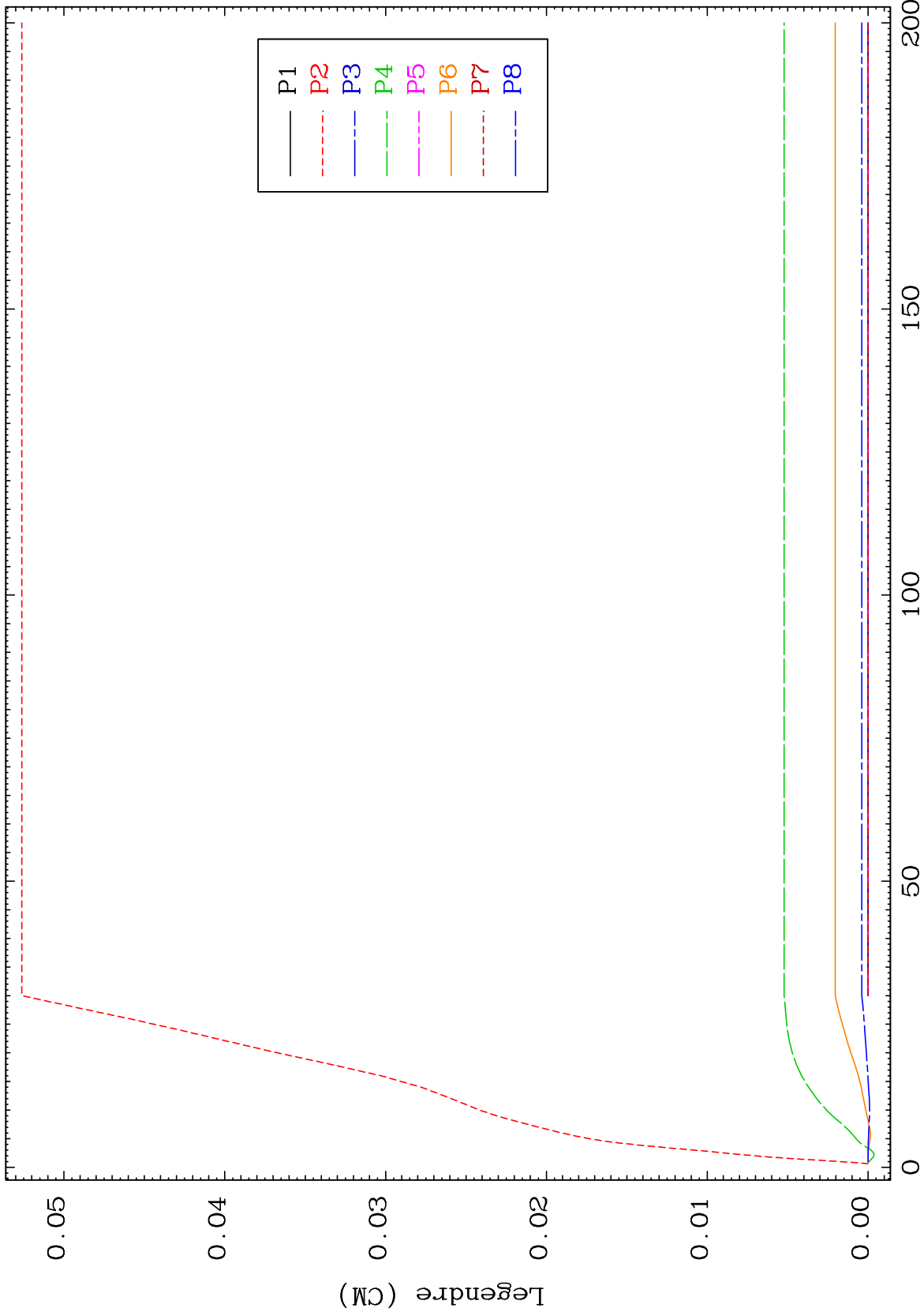
Incident Energy (MeV)

57-La-126

MAT 5689

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

57-La-126



57-La-126

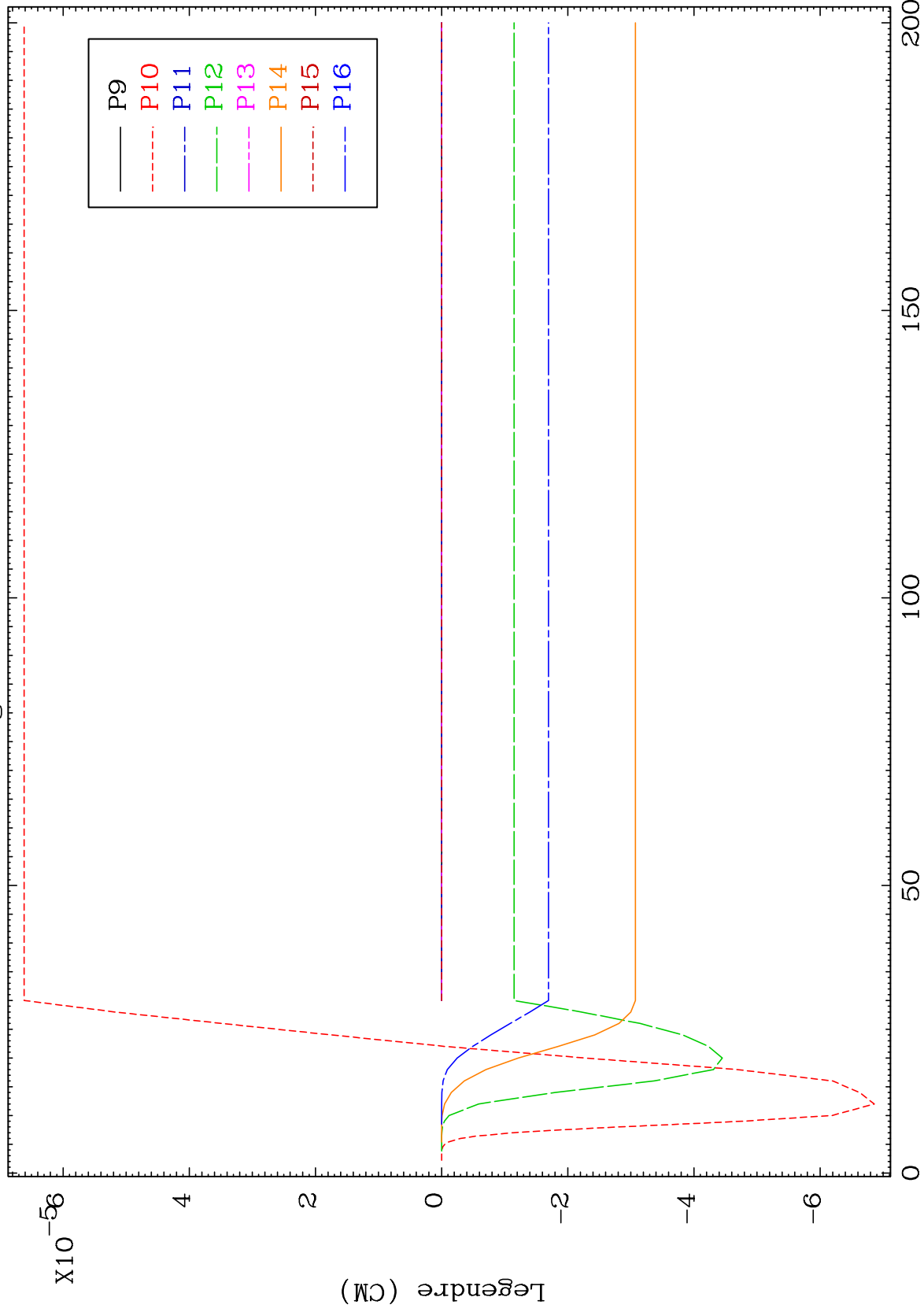
Incident Energy (MeV)

38

MAT 5689

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

57-La-126



39

Incident Energy (MeV)

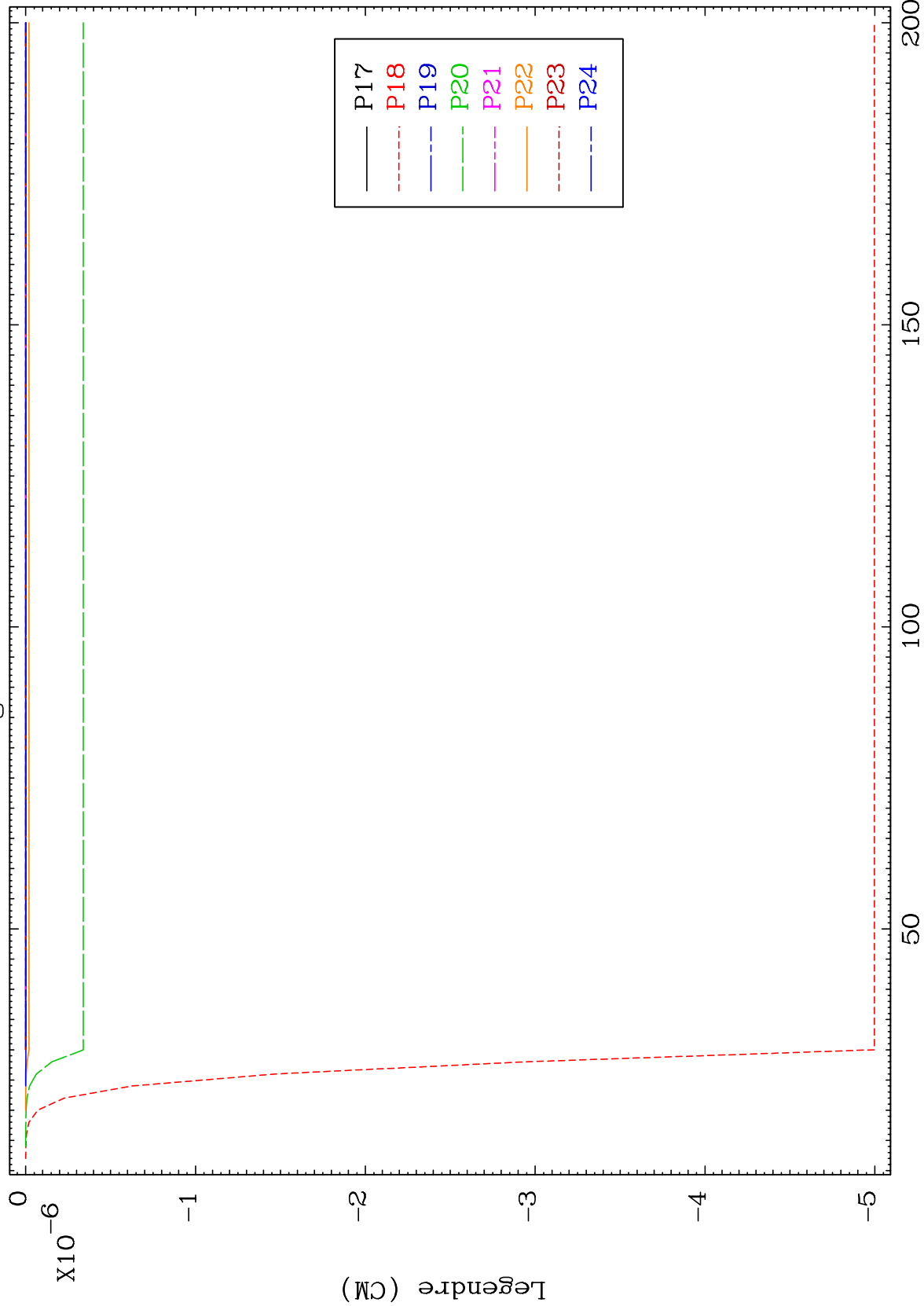
57-La-126



MAT 5689

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

57-La-126



57-La-126

Incident Energy (MeV)

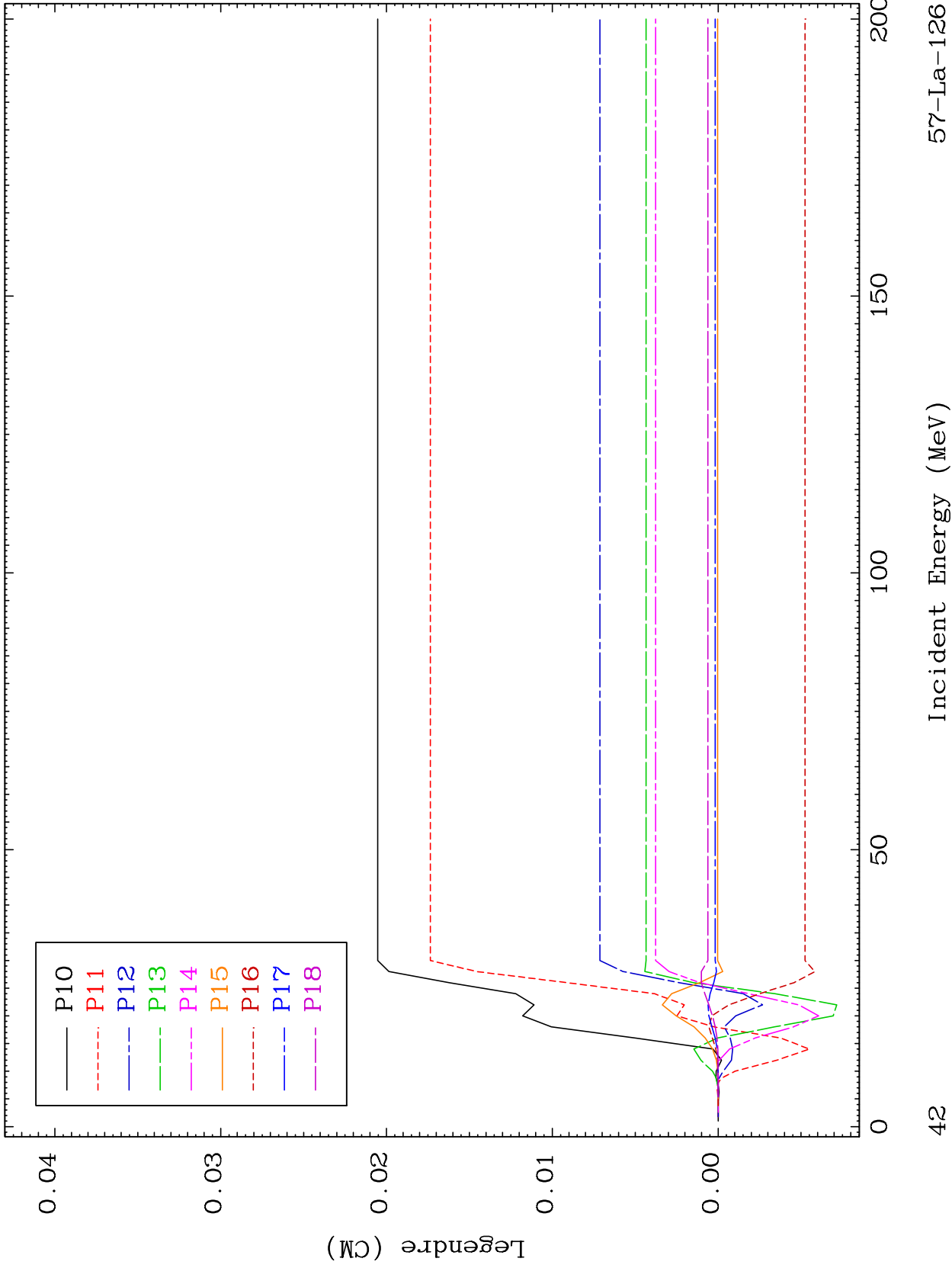
40



MAT 5689

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

57-La-126



57-La-126

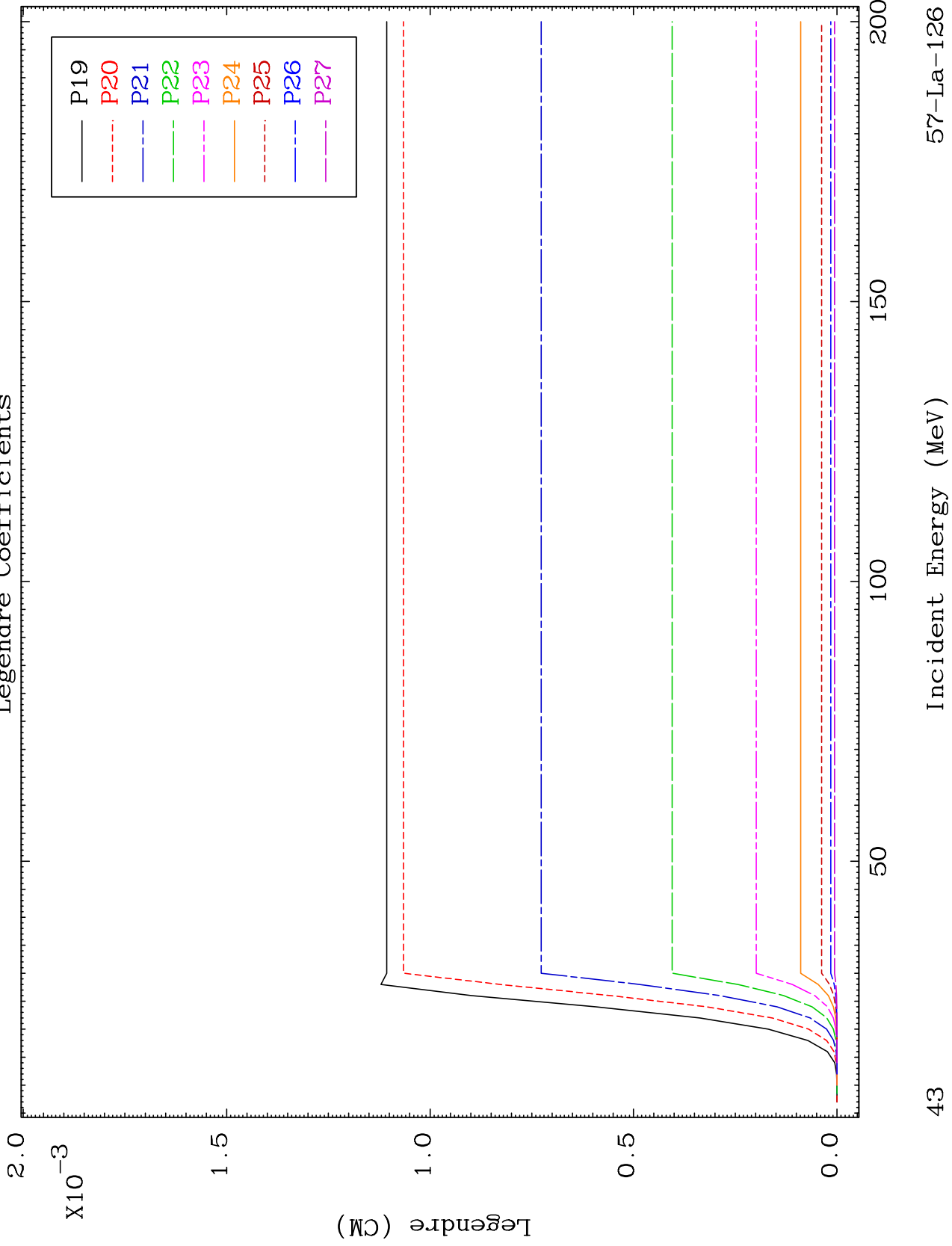
Incident Energy (MeV)

42

MAT 5689

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

57-La-126



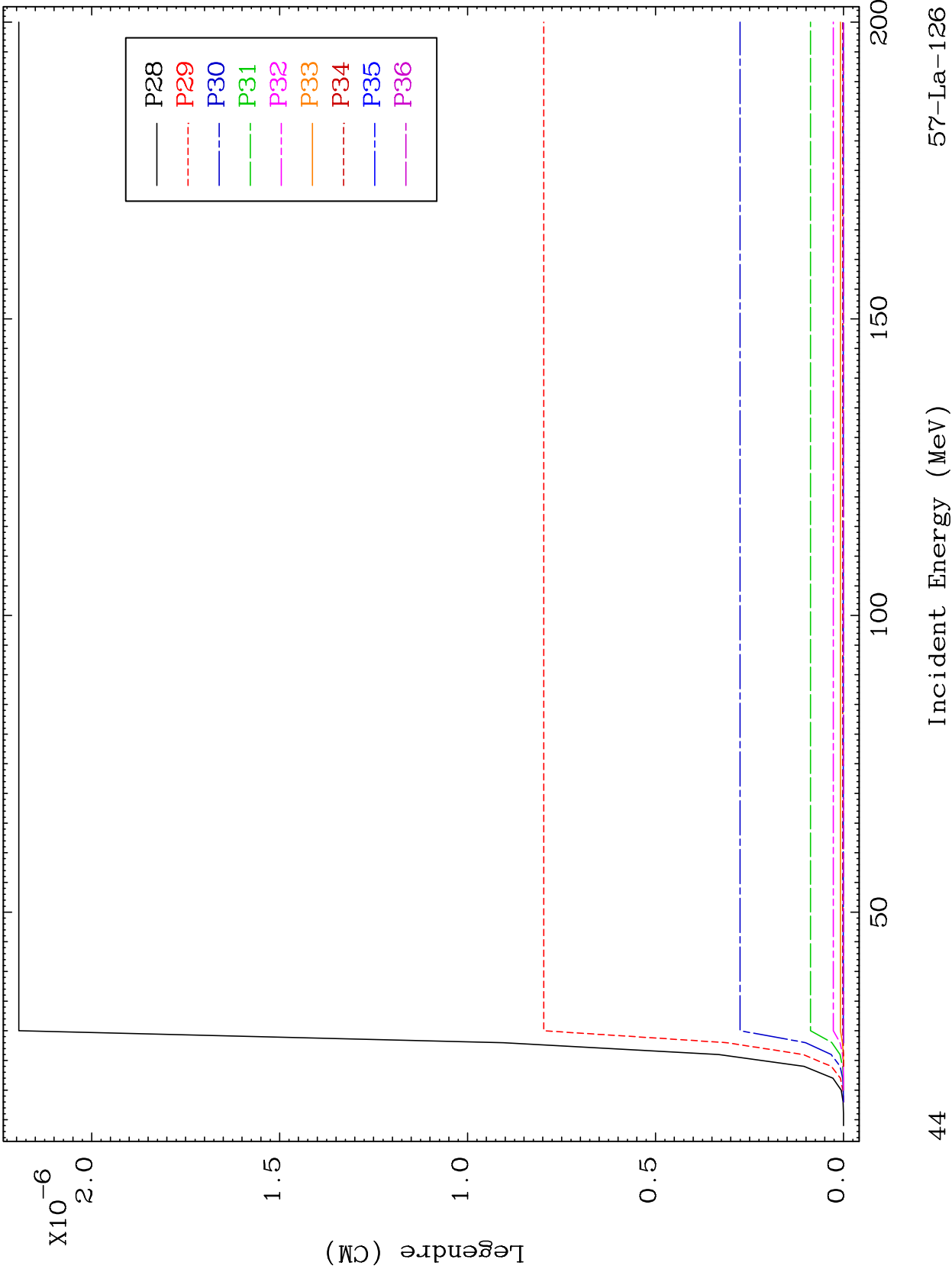
43

57-La-126

MAT 5689

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

57-La-126



44

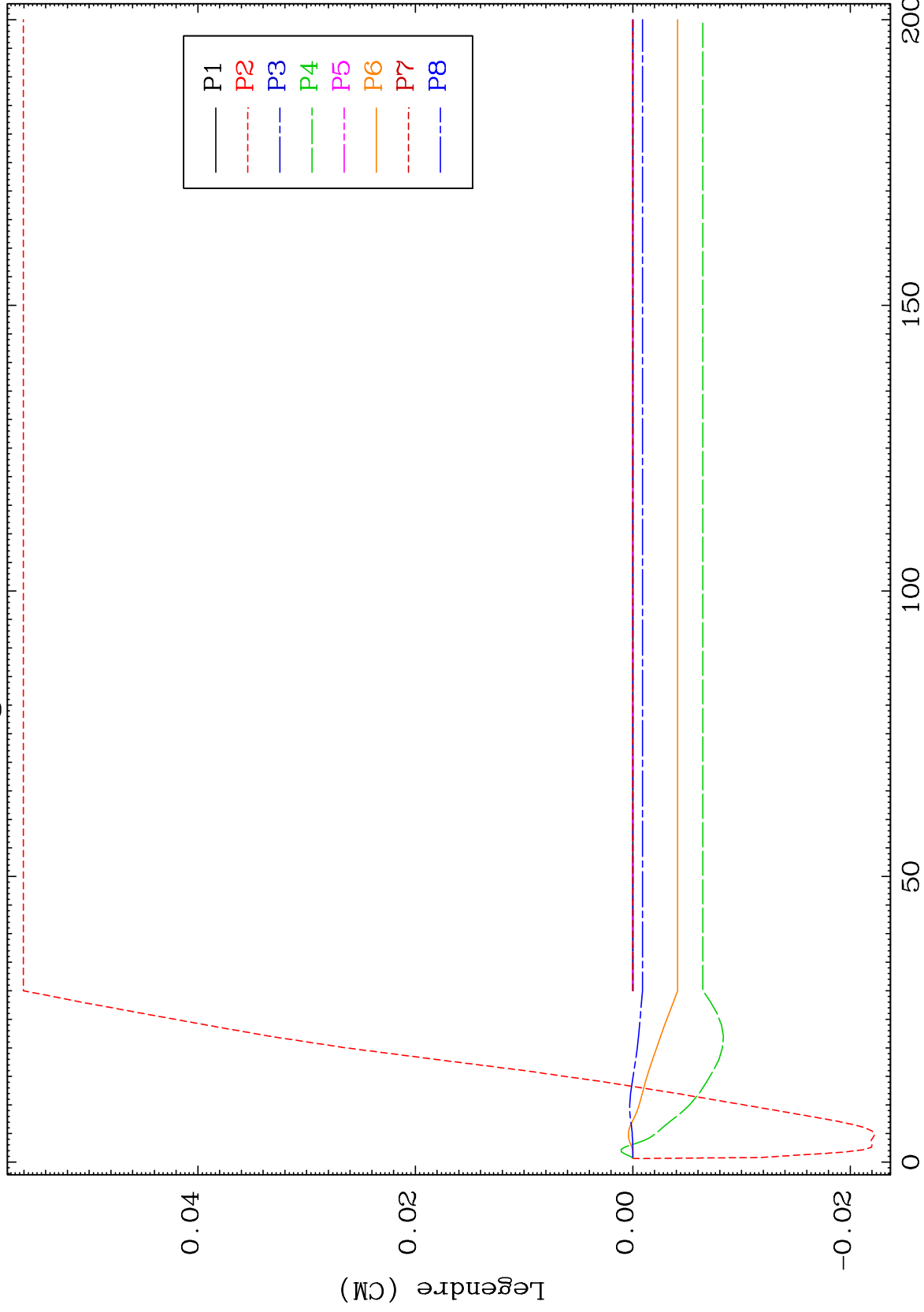
Incident Energy (MeV)

57-La-126

MAT 5689

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

57-La-126



57-La-126

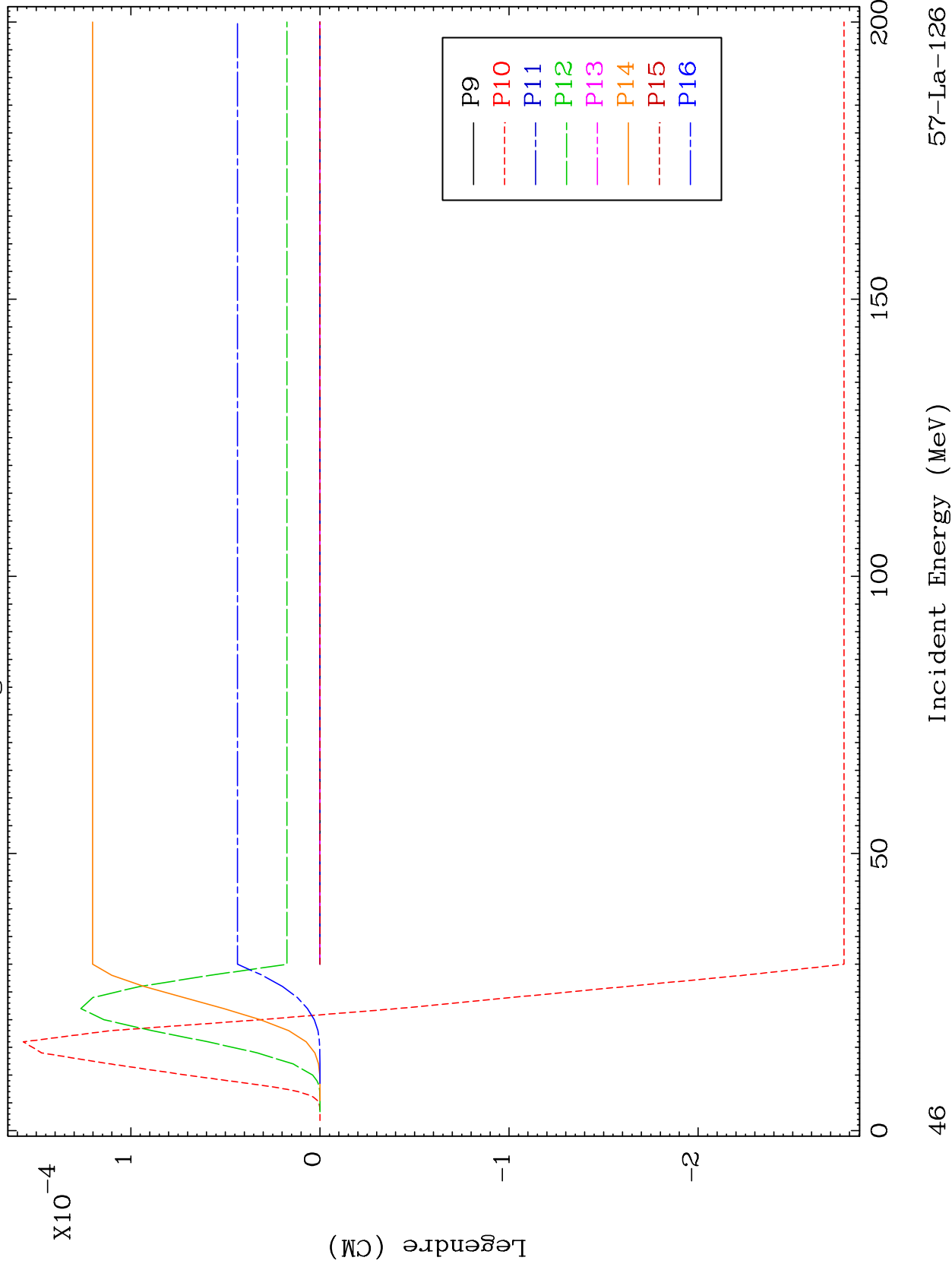
Incident Energy (MeV)

45

MAT 5689

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

57-La-126



57-La-126

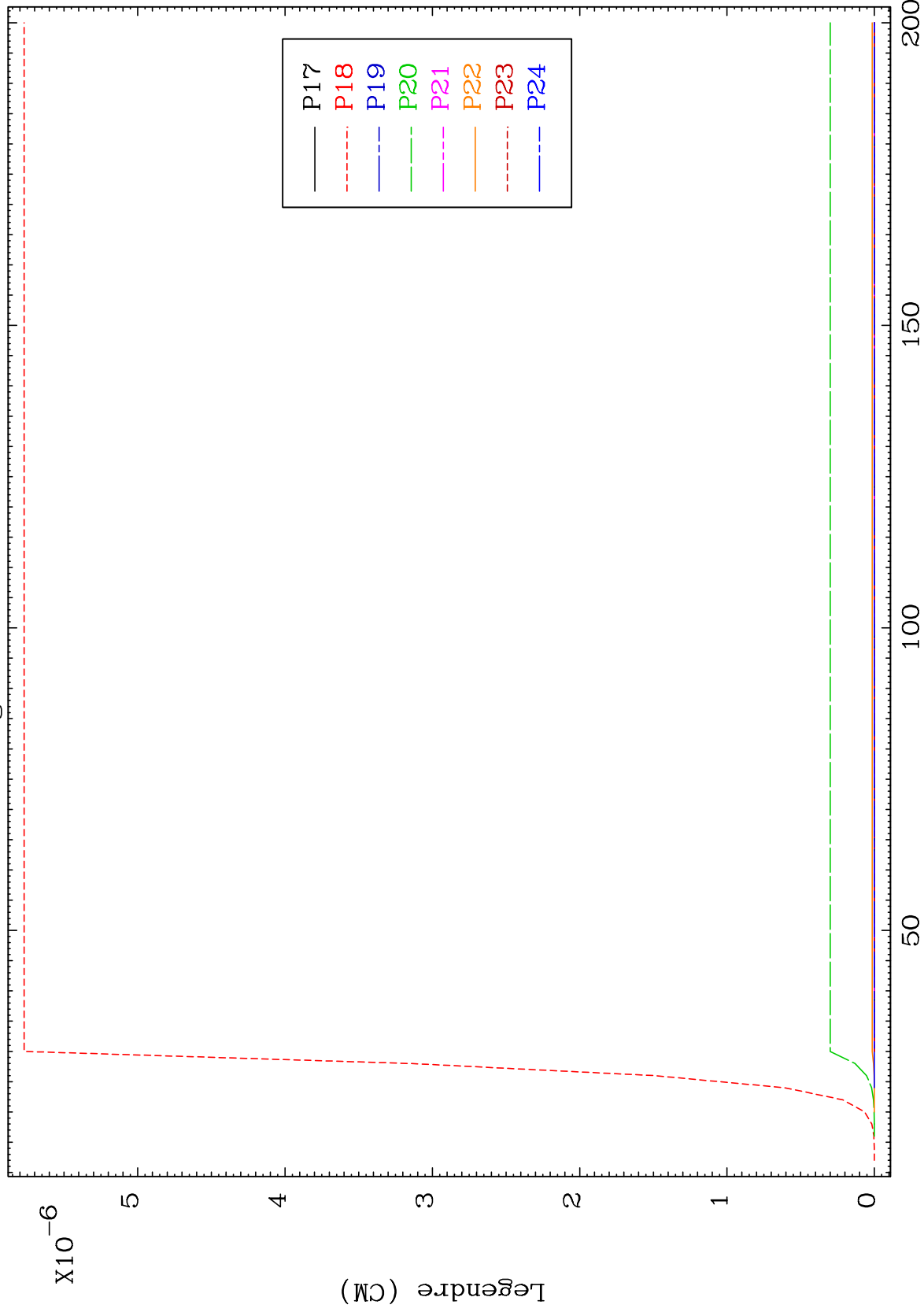
Incident Energy (MeV)

46

MAT 5689

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

57-La-126



47

Incident Energy (MeV)

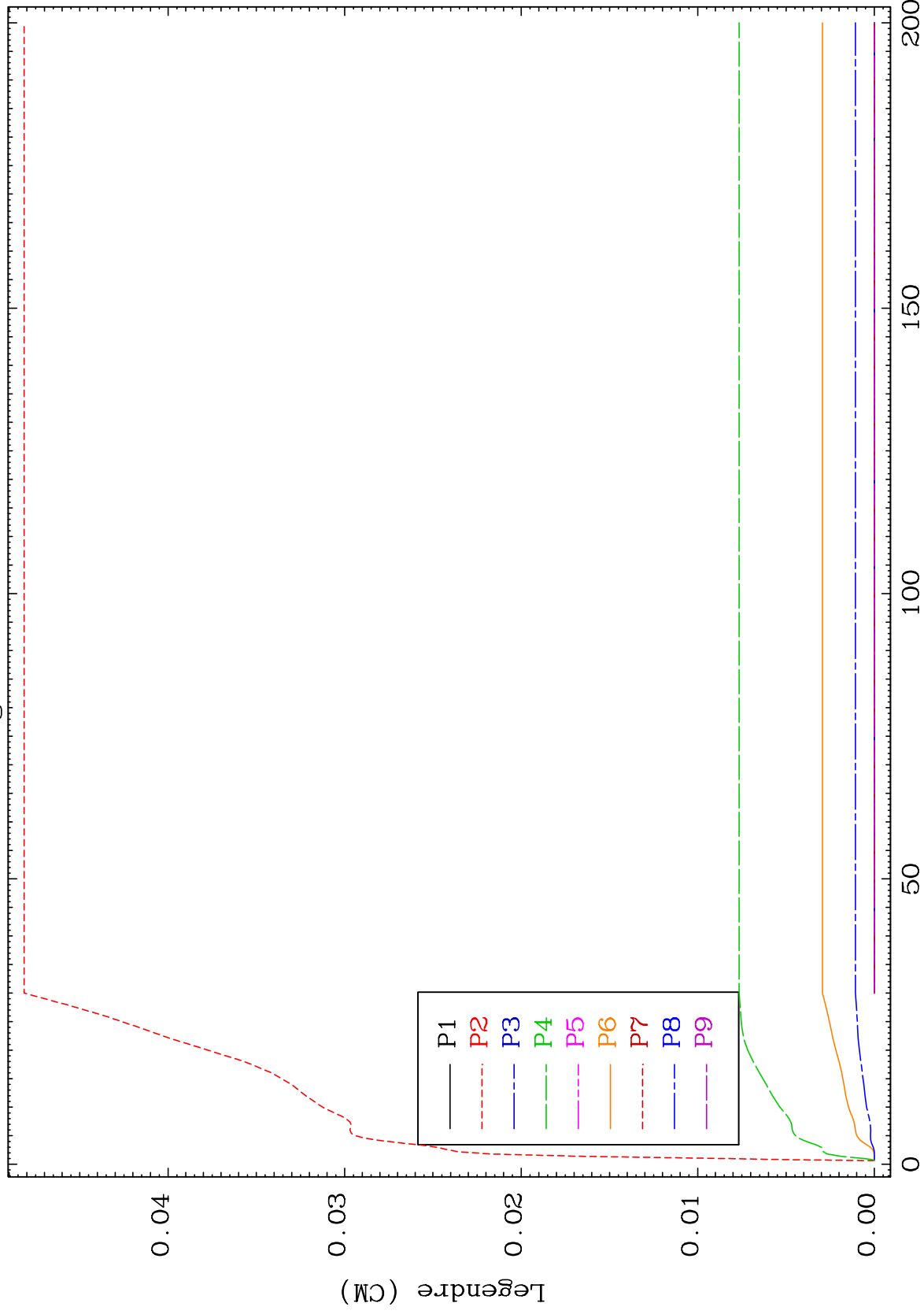
57-La-126



MAT 5689

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

57-La-126



57-La-126

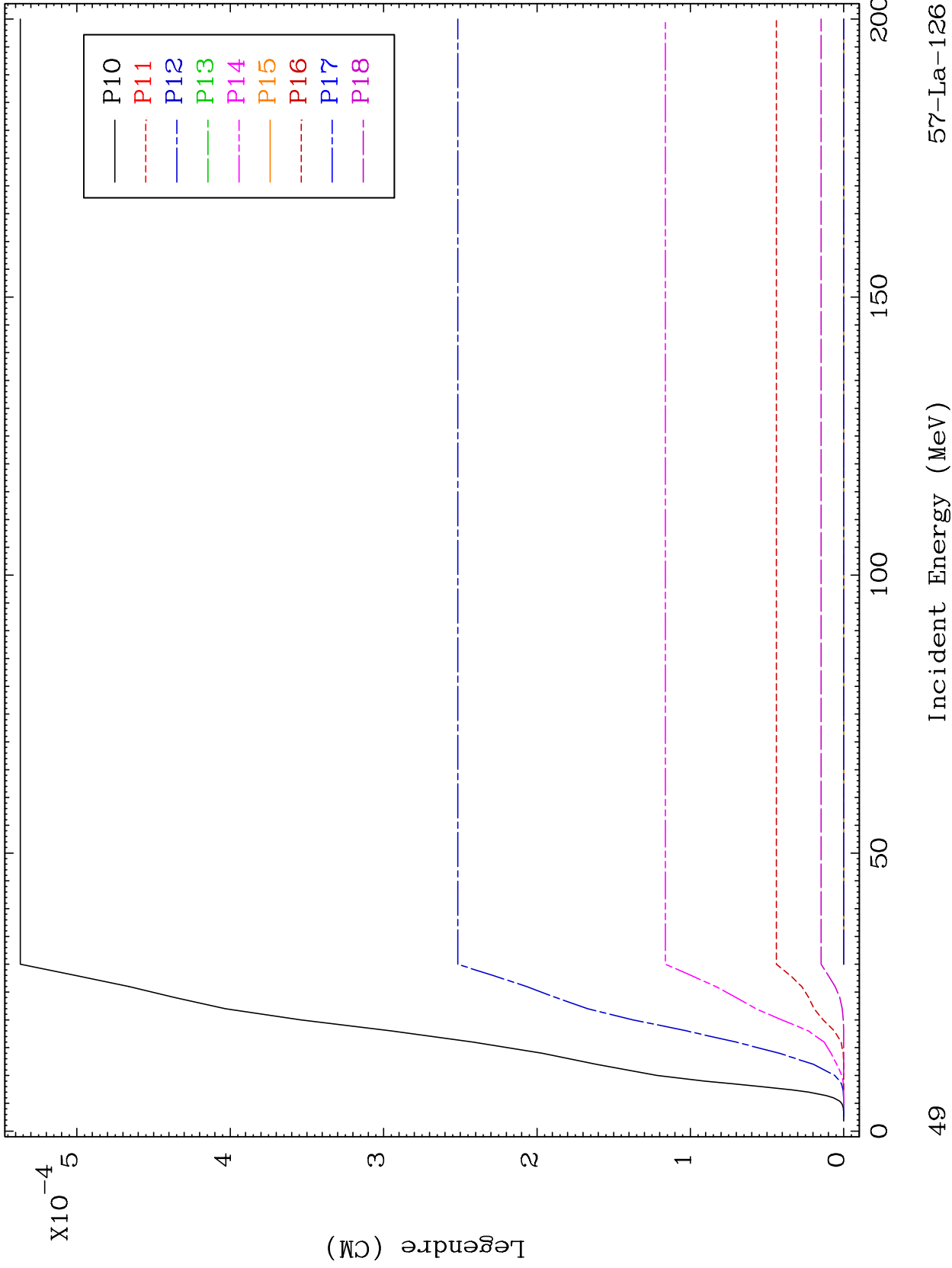
Incident Energy (MeV)

48

MAT 5689

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

57-La-126



57-La-126

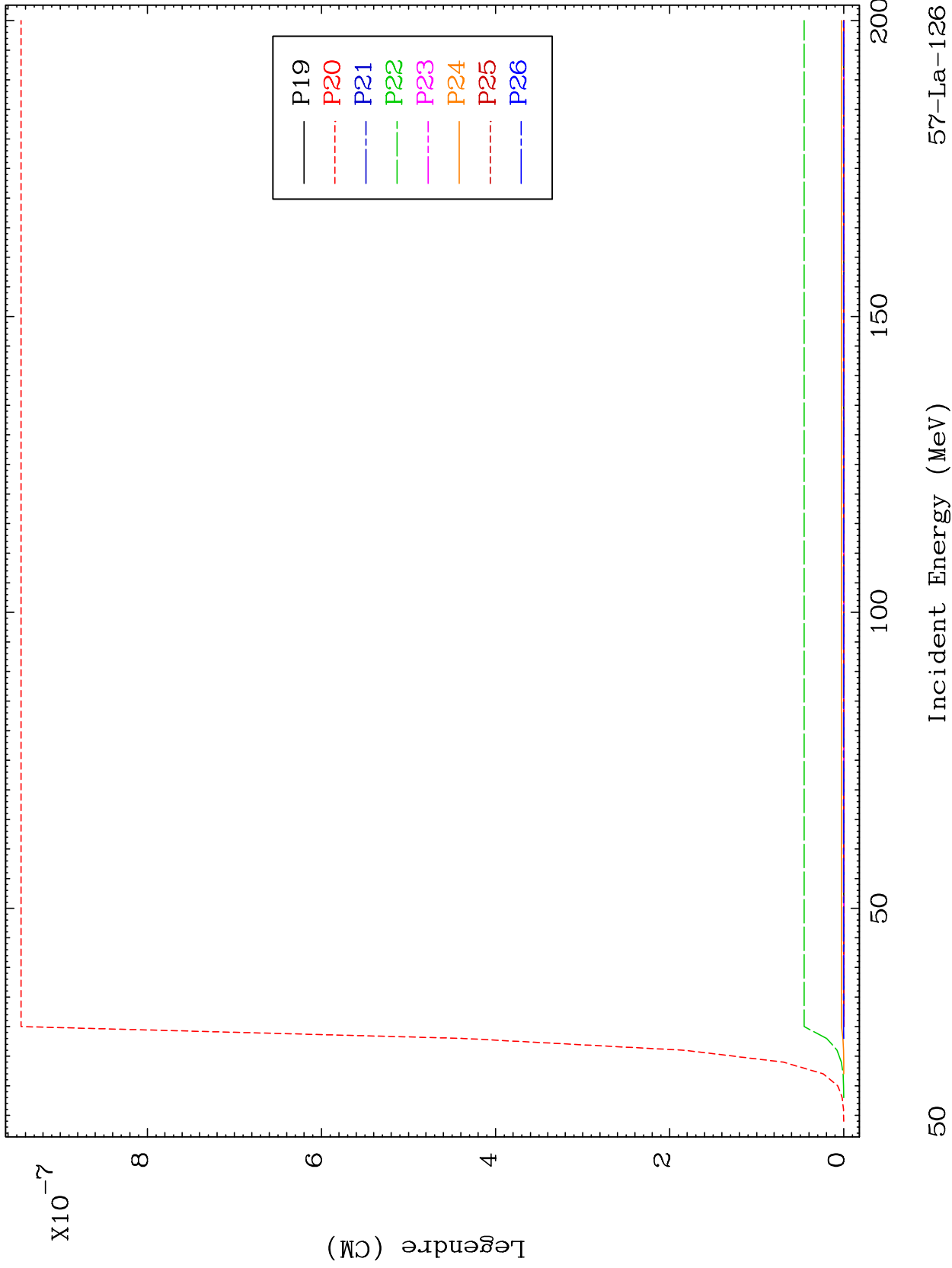
Incident Energy (MeV)

49

MAT 5689

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

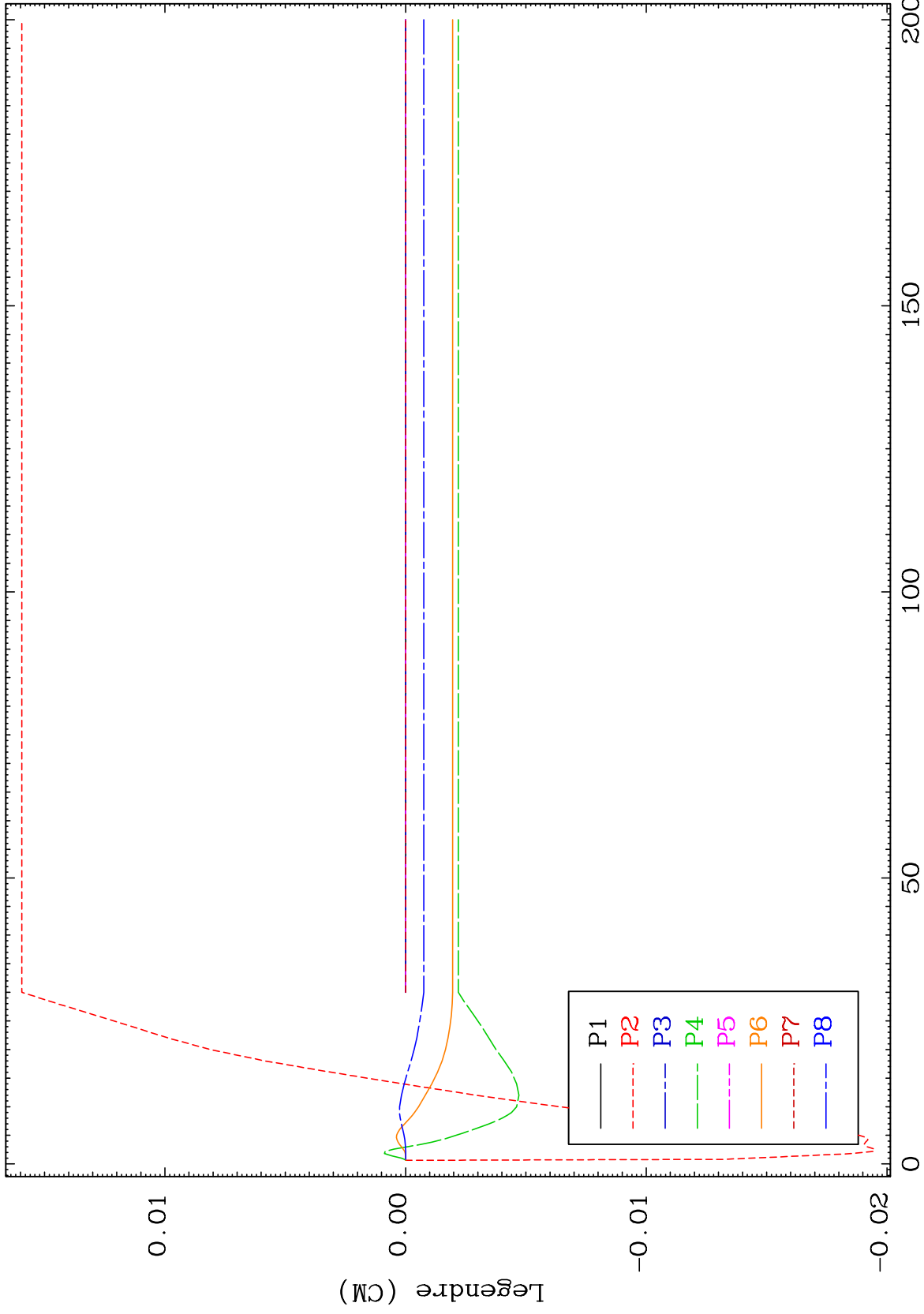
57-La-126



MAT 5689

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

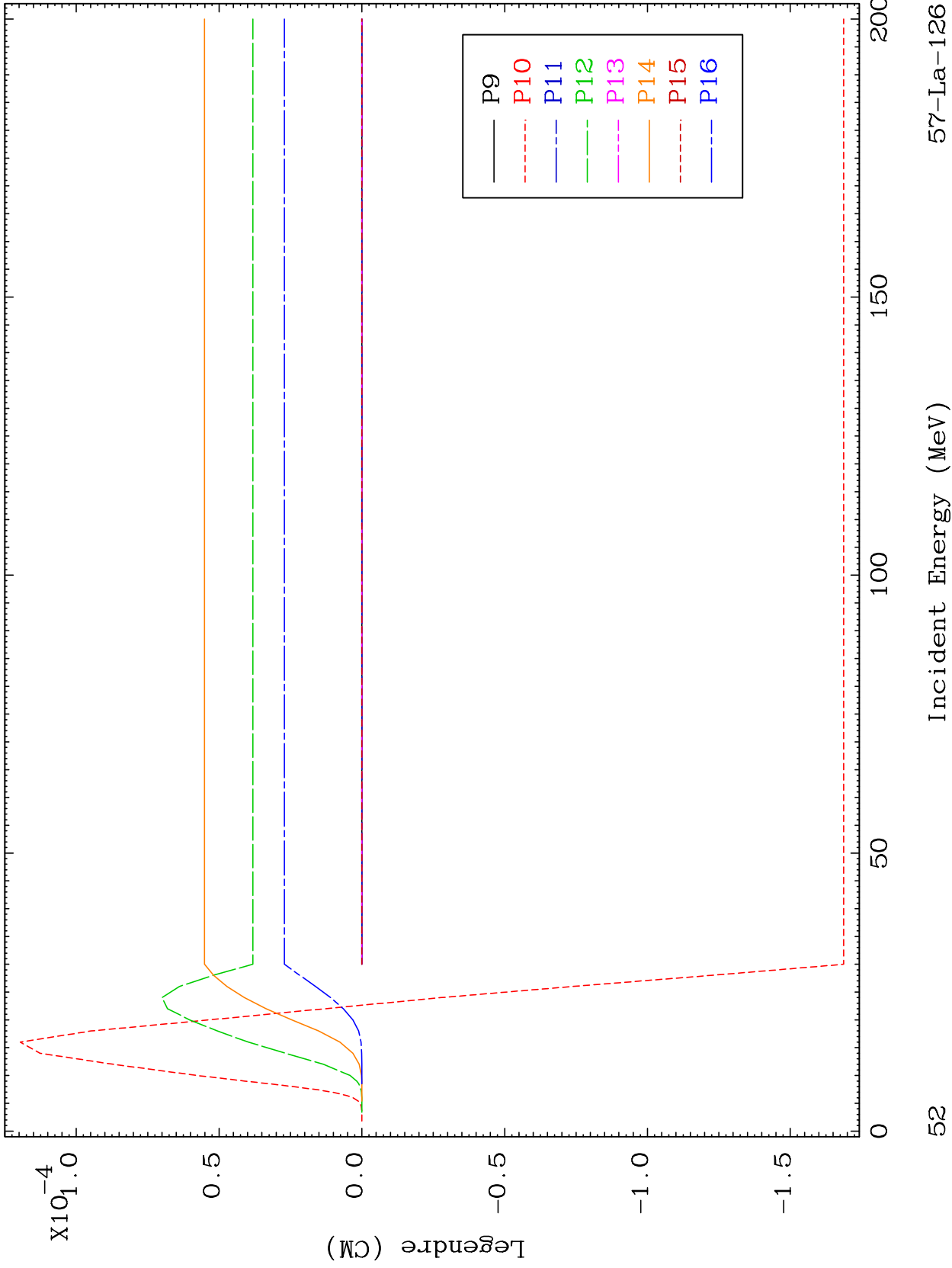
57-La-126



51

Incident Energy (MeV)

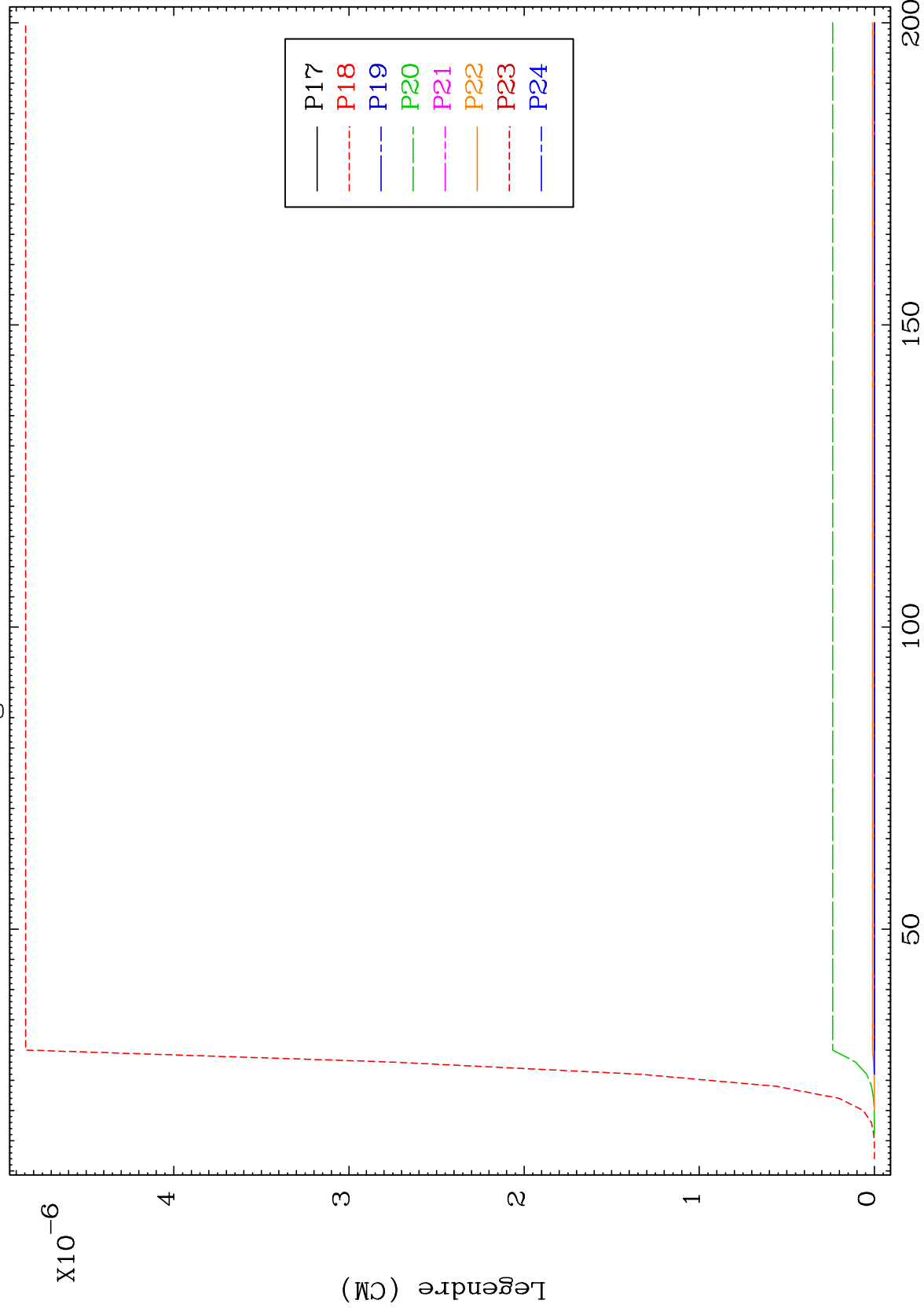
57-La-126



MAT 5689

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

57-La-126



53

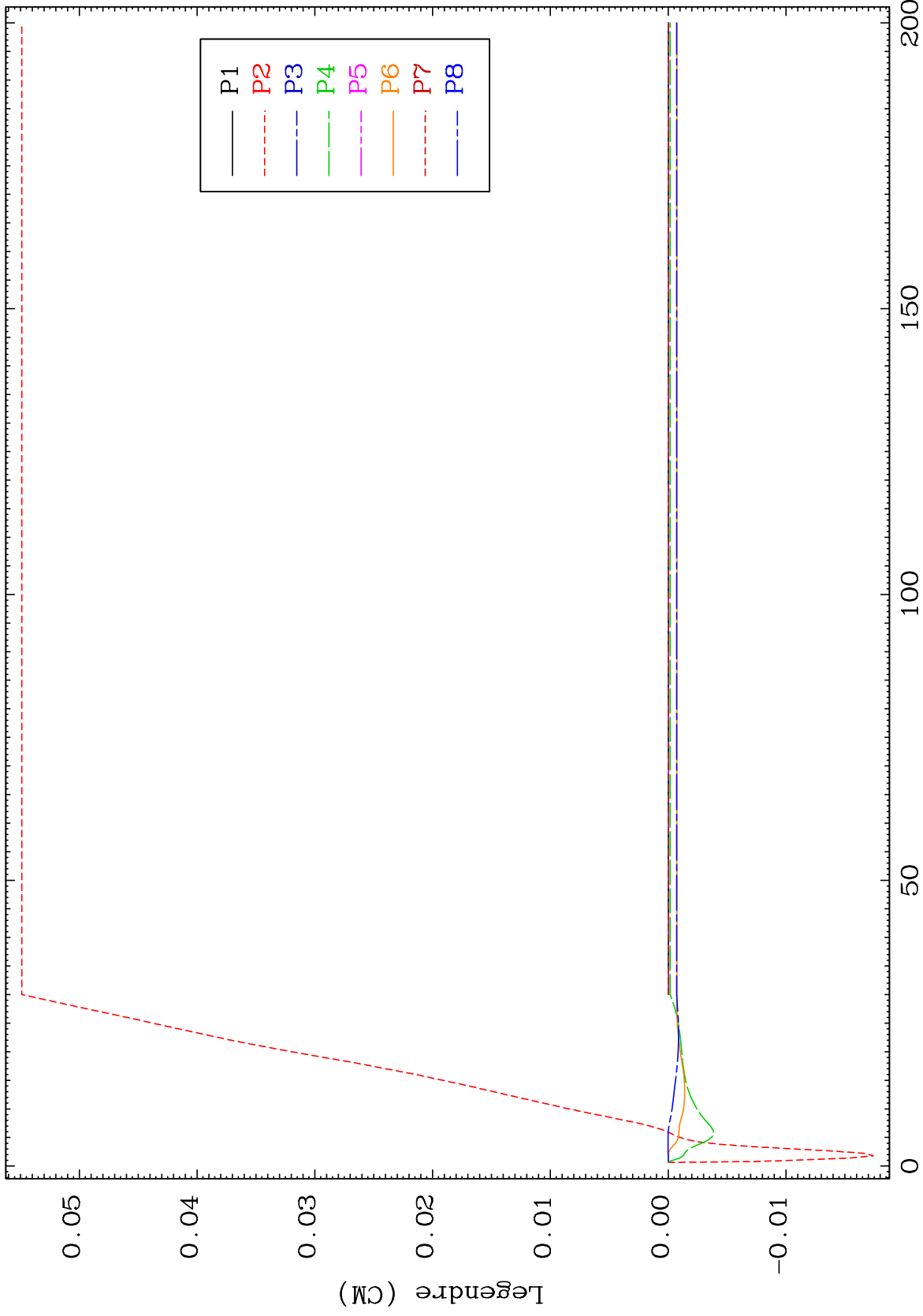
Incident Energy (MeV)

57-La-126

MAT 5689

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

57-La-126



54

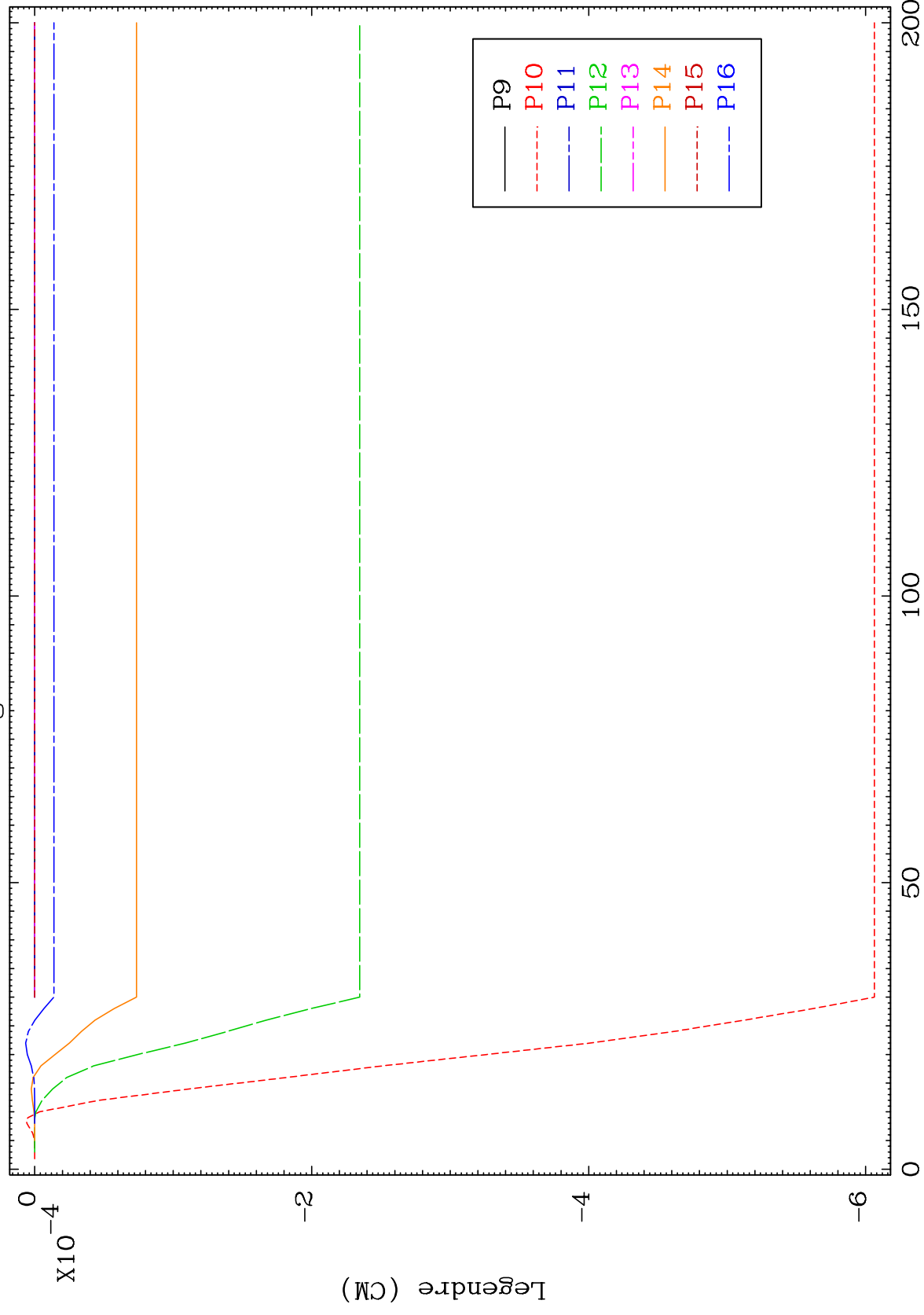
Incident Energy (MeV)

57-La-126

MAT 5689

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

57-La-126



57-La-126

Incident Energy (MeV)

55

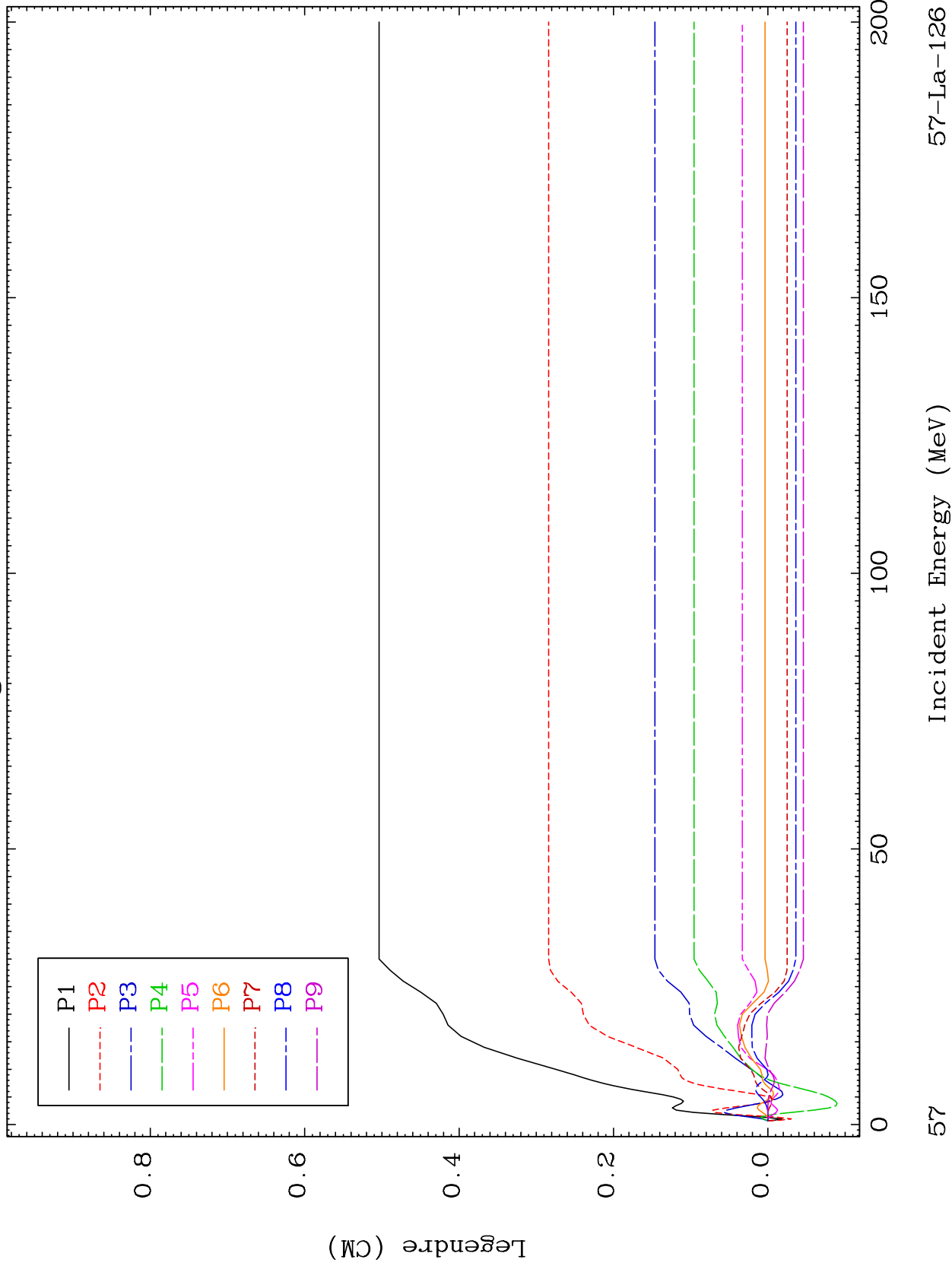




MAT 5689

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

57-La-126



57-La-126

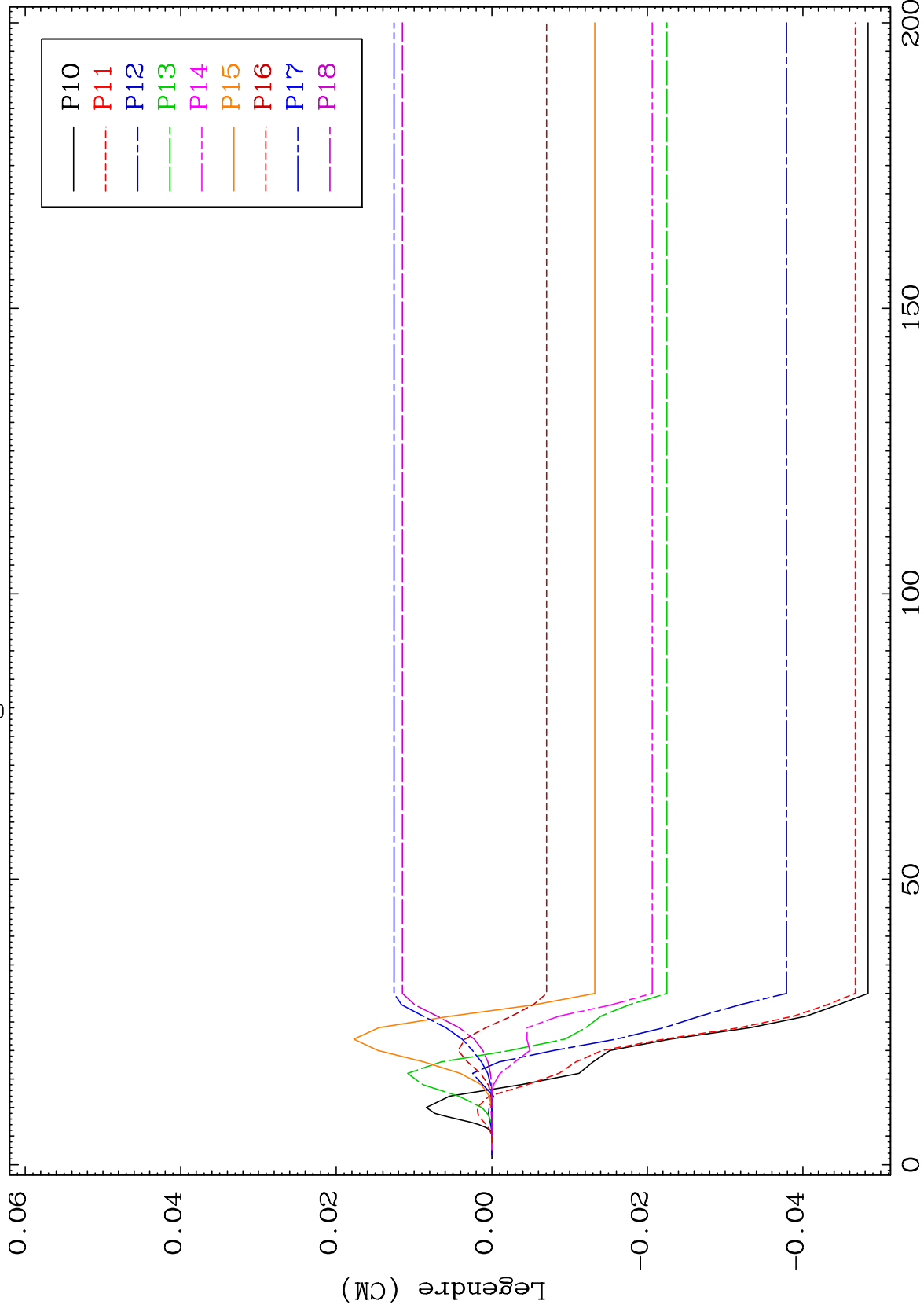
Incident Energy (MeV)

57

MAT 5689

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

57-La-126



58

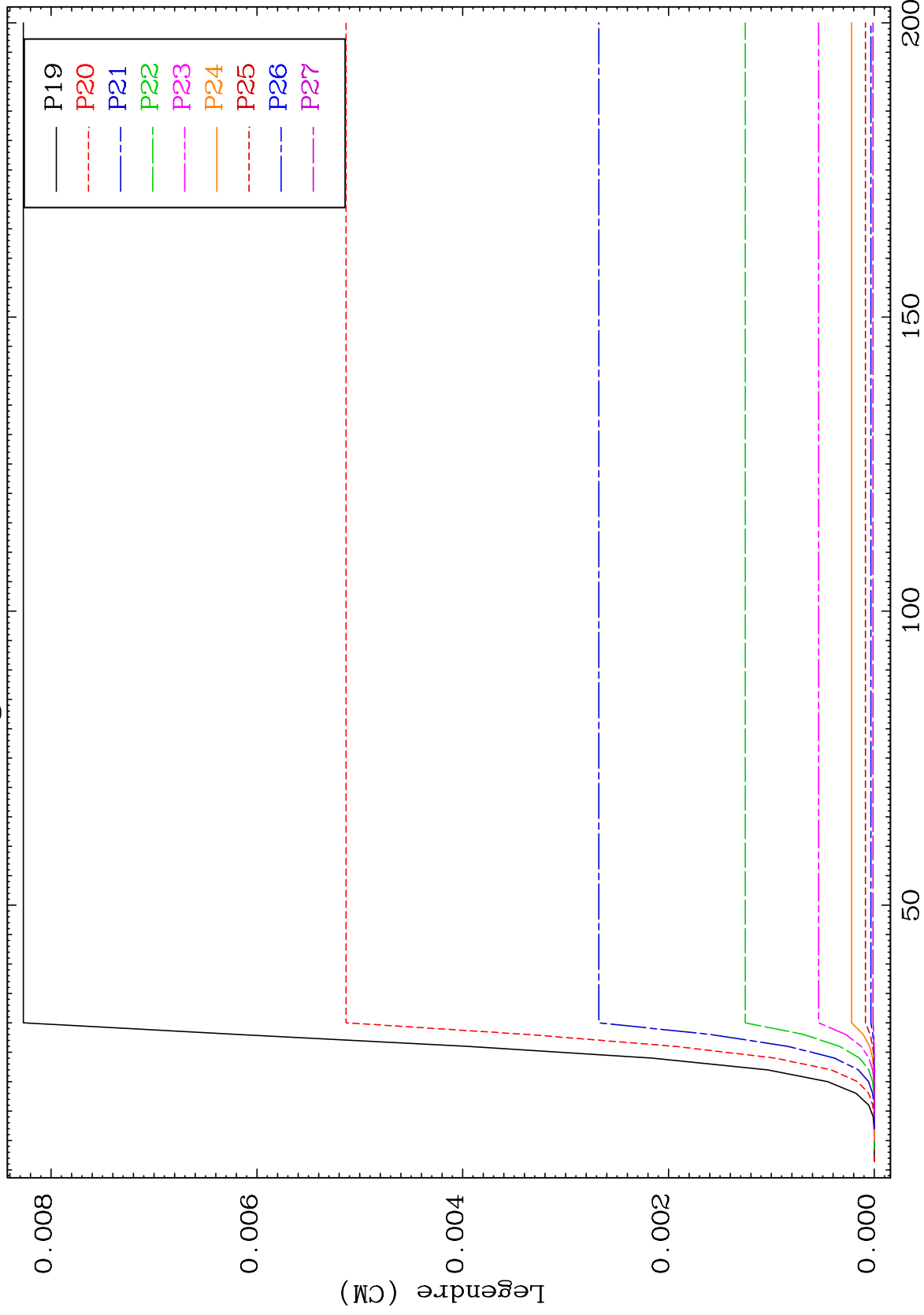
Incident Energy (MeV)

57-La-126

MAT 5689

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

57-La-126



59

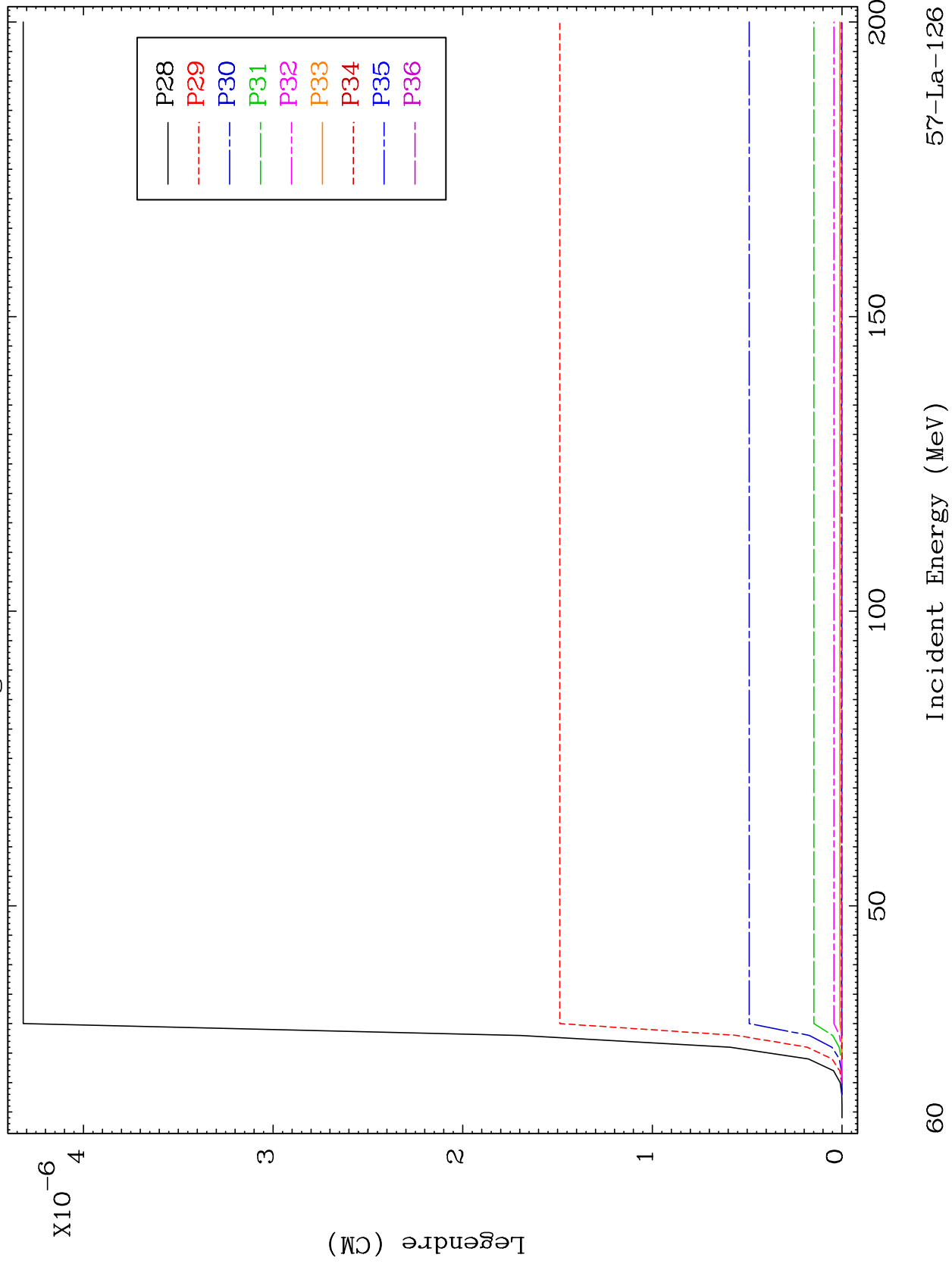
Incident Energy (MeV)

57-La-126

MAT 5689

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

57-La-126

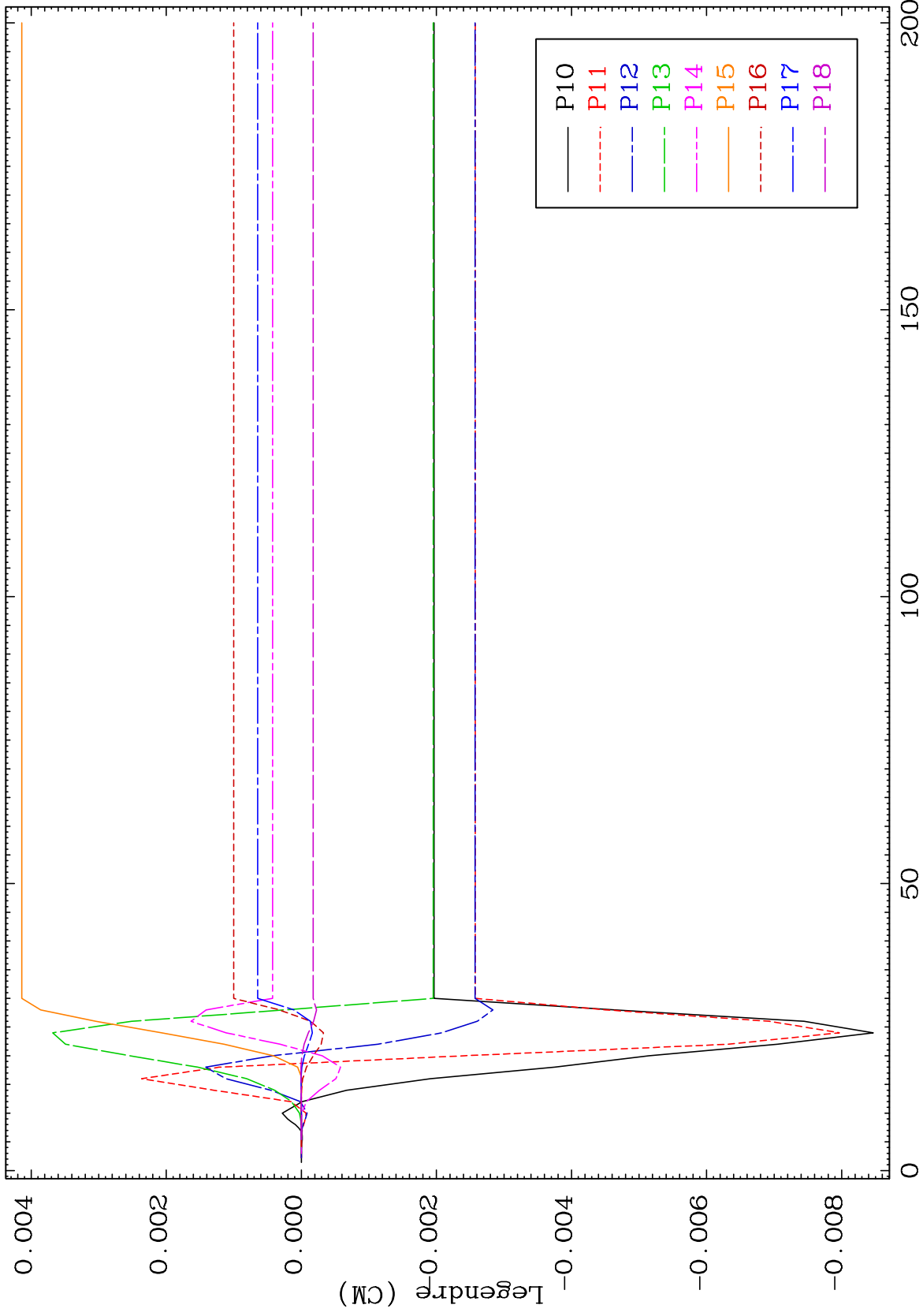




MAT 5689

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

57-La-126



62

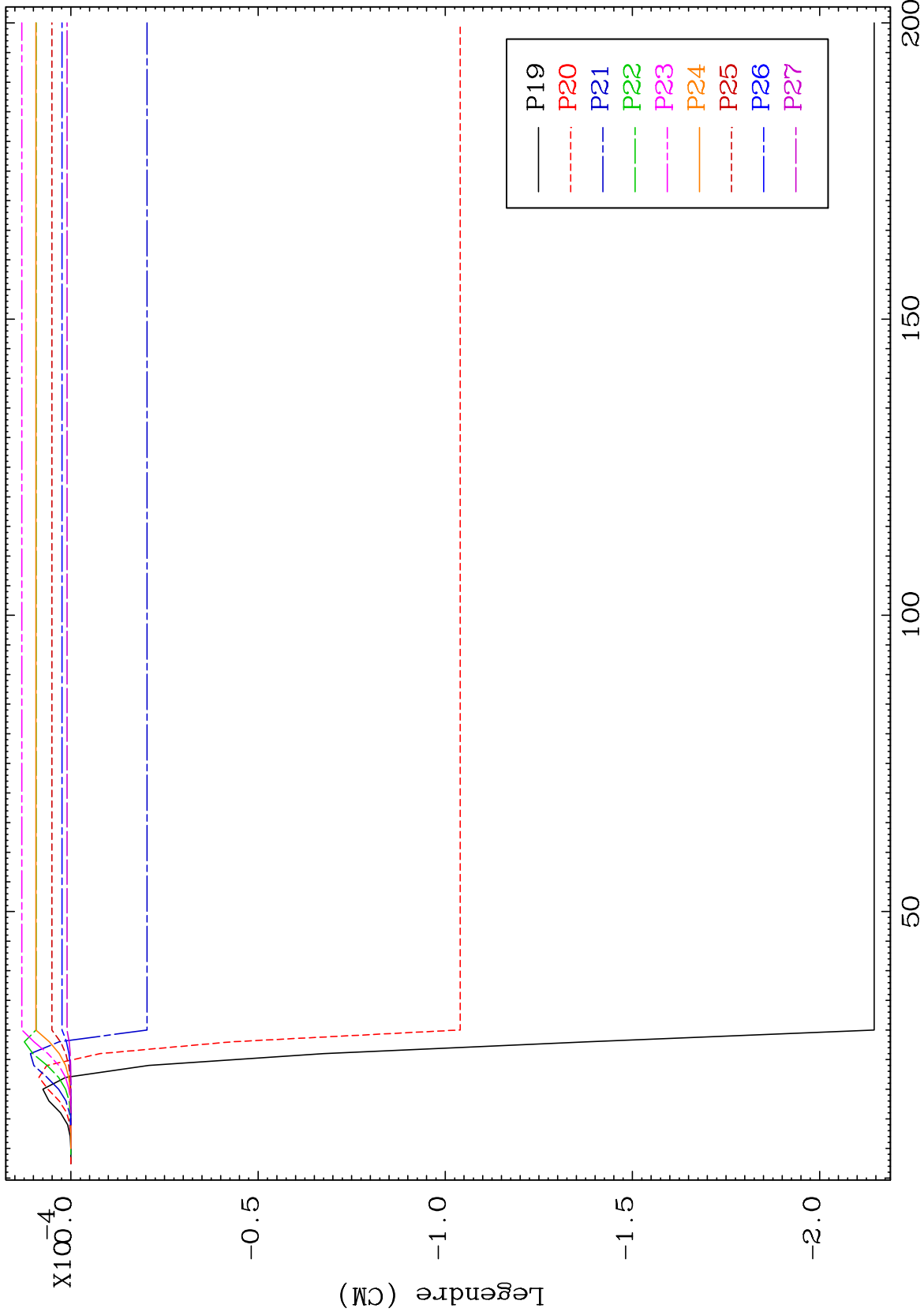
Incident Energy (MeV)

57-La-126

MAT 5689

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

57-La-126



63

Incident Energy (MeV)

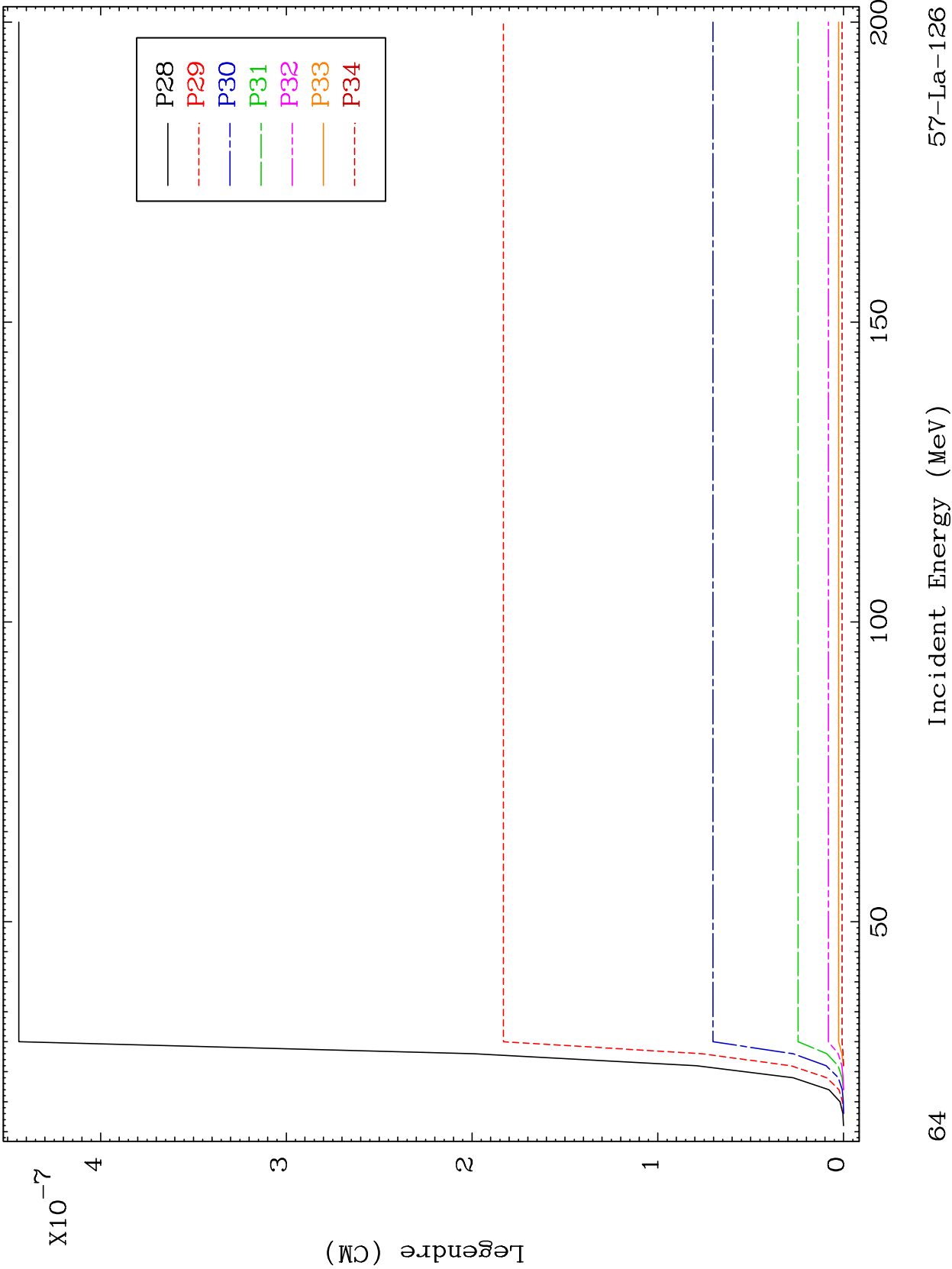
57-La-126



MAT 5689

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

57-La-126



64

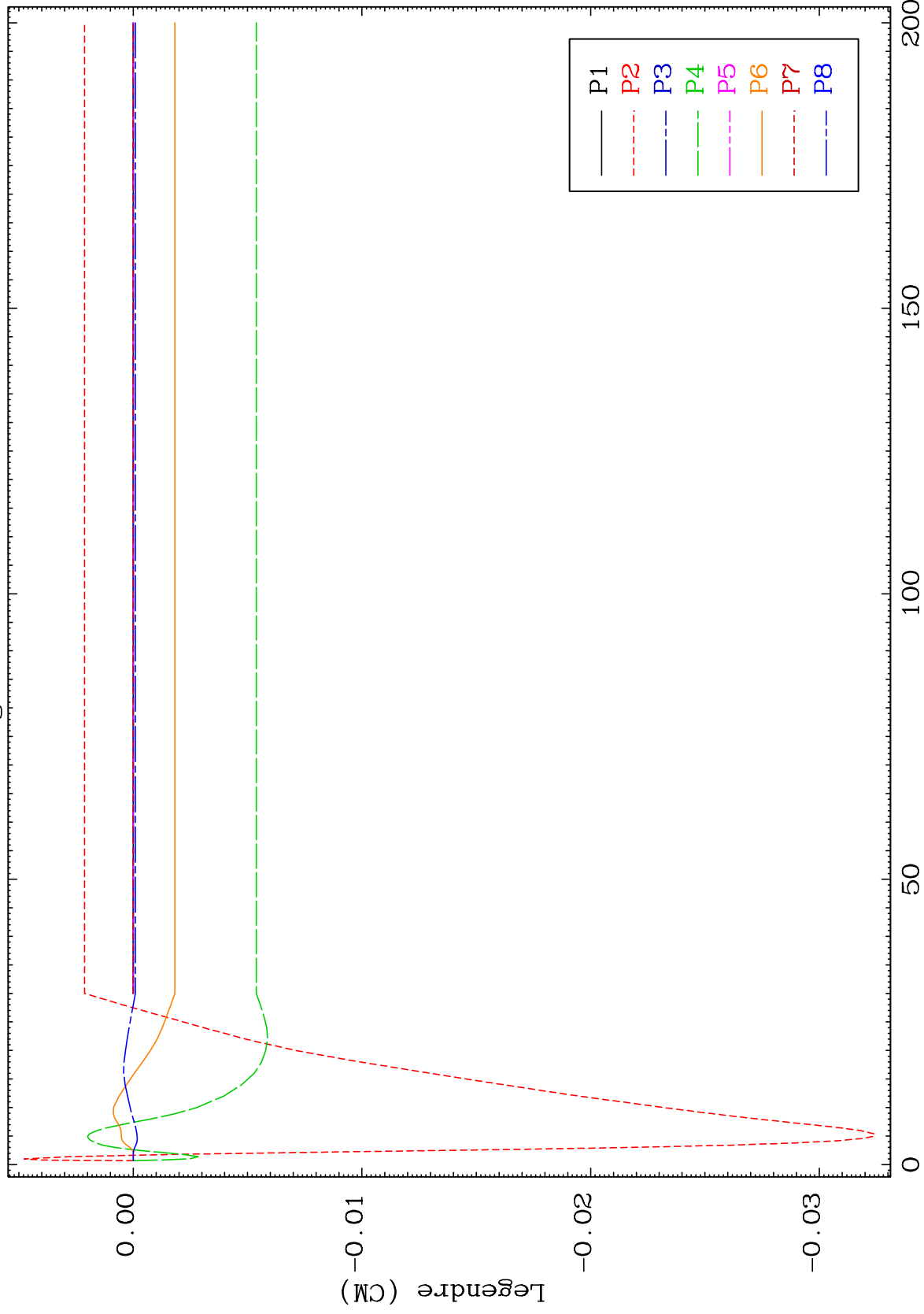
Incident Energy (MeV)

57-La-126

MAT 5689

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

57-La-126



57-La-126

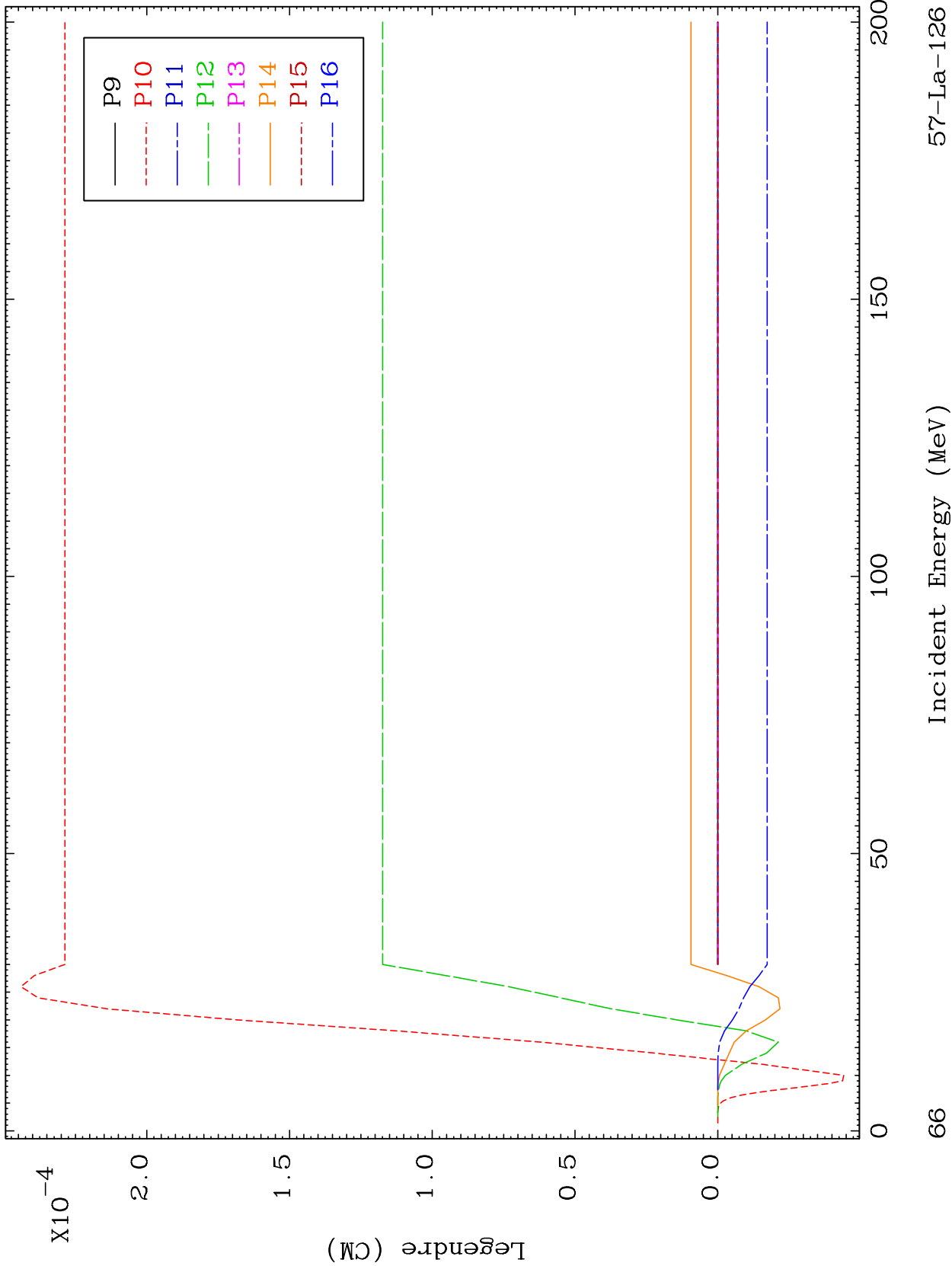
Incident Energy (MeV)

65

MAT 5689

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

57-La-126



57-La-126

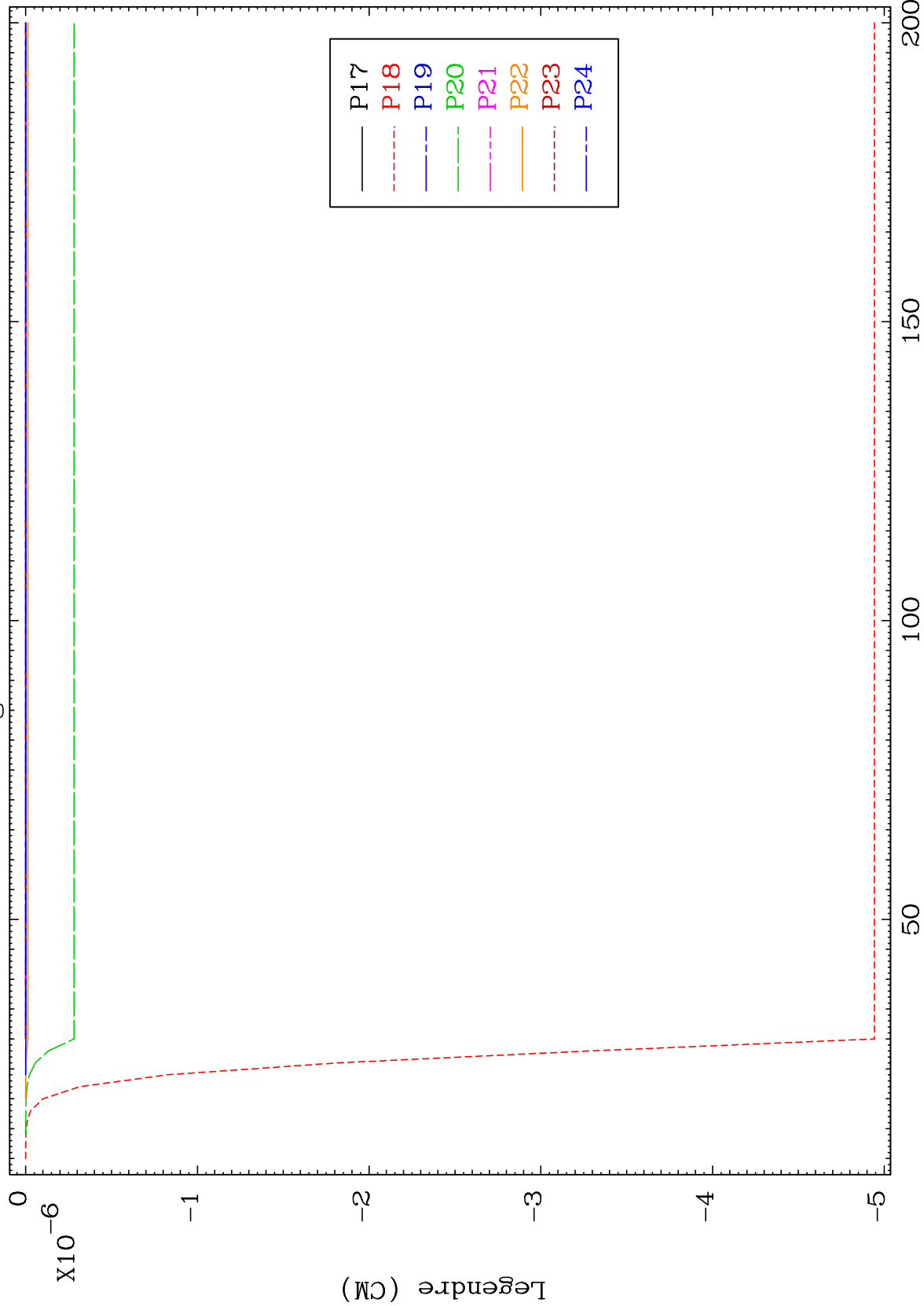
Incident Energy (MeV)

66

MAT 5689

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

57-La-126



67

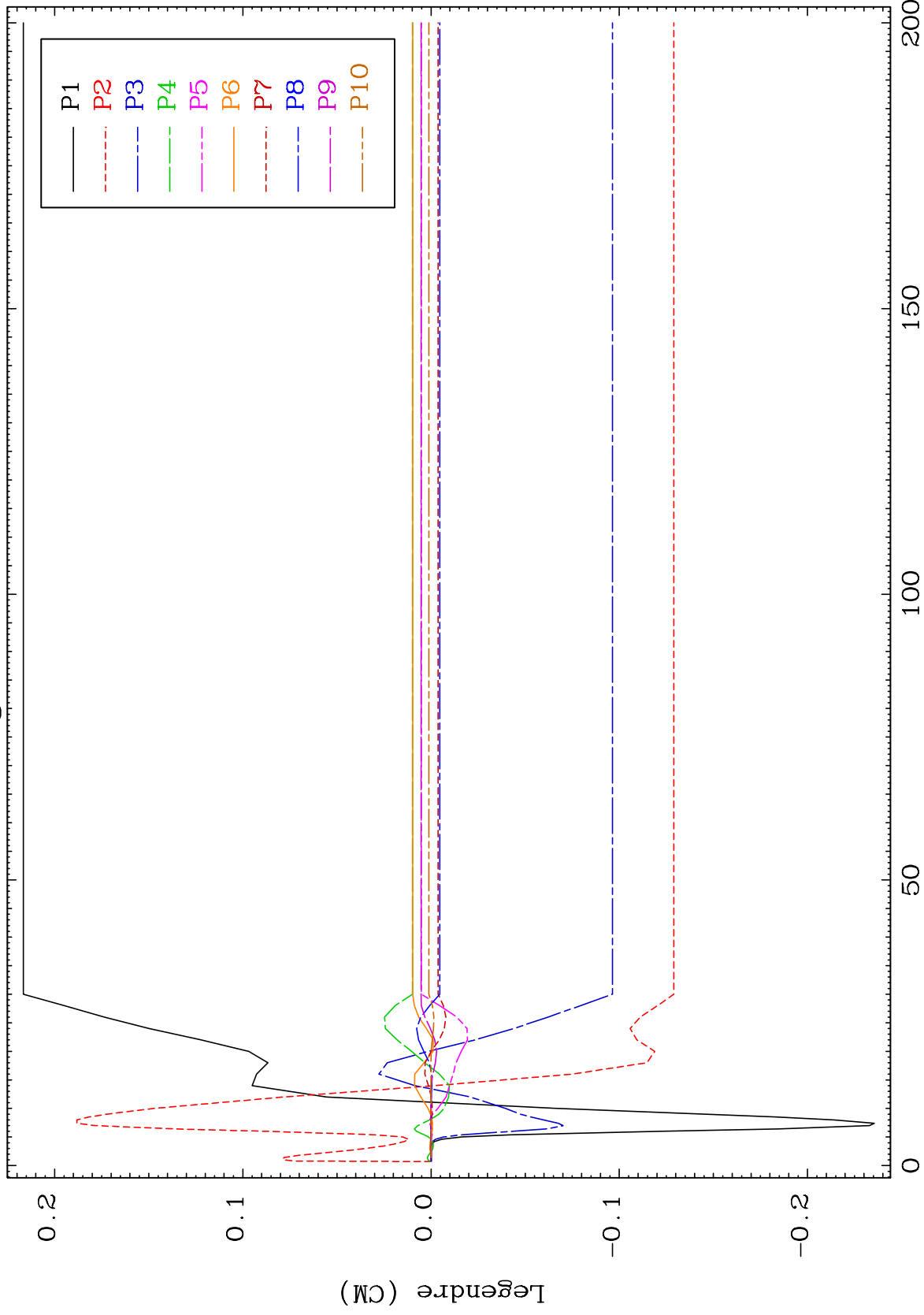
Incident Energy (MeV)

57-La-126

MAT 5689

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

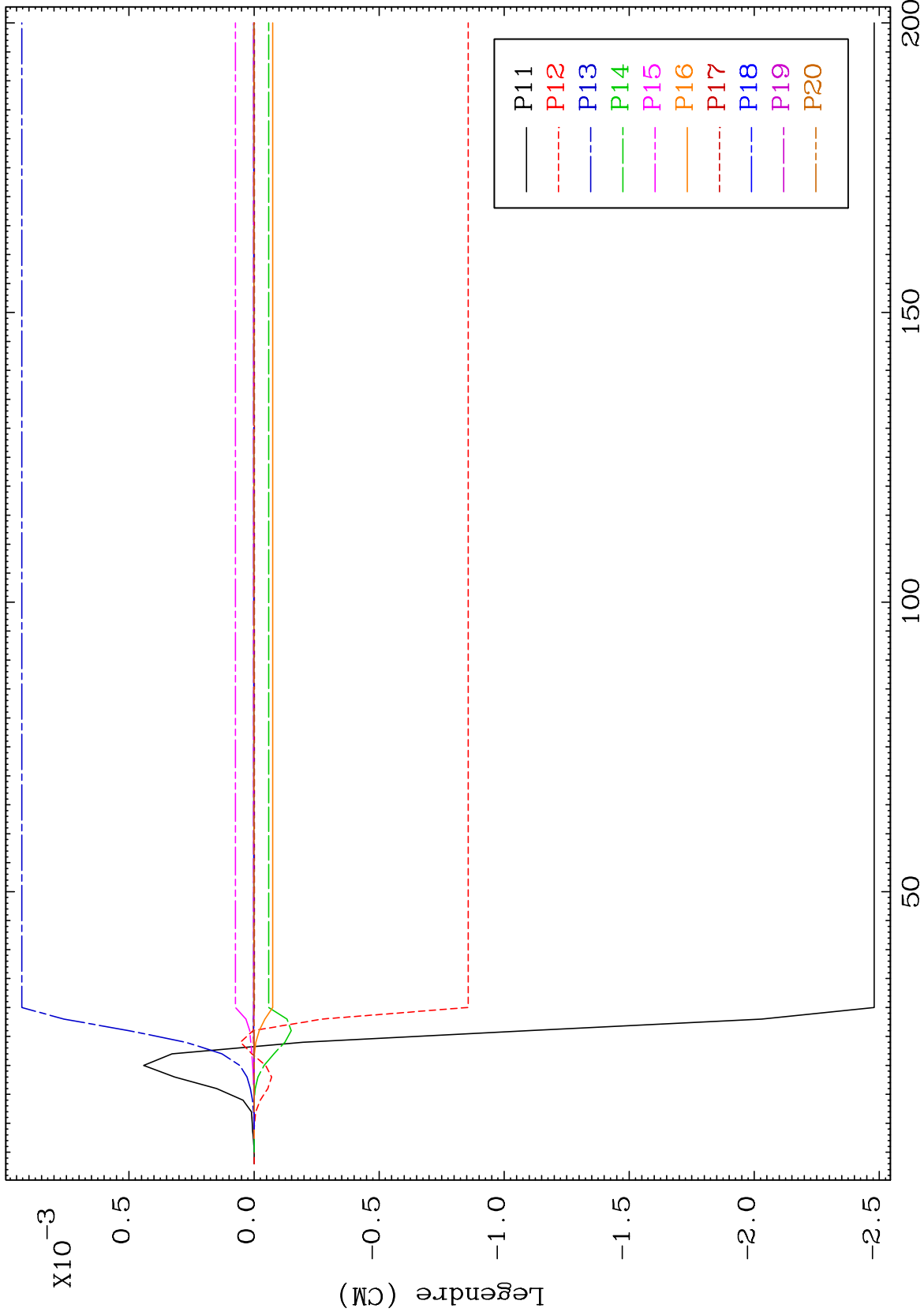
57-La-126



68

Incident Energy (MeV)

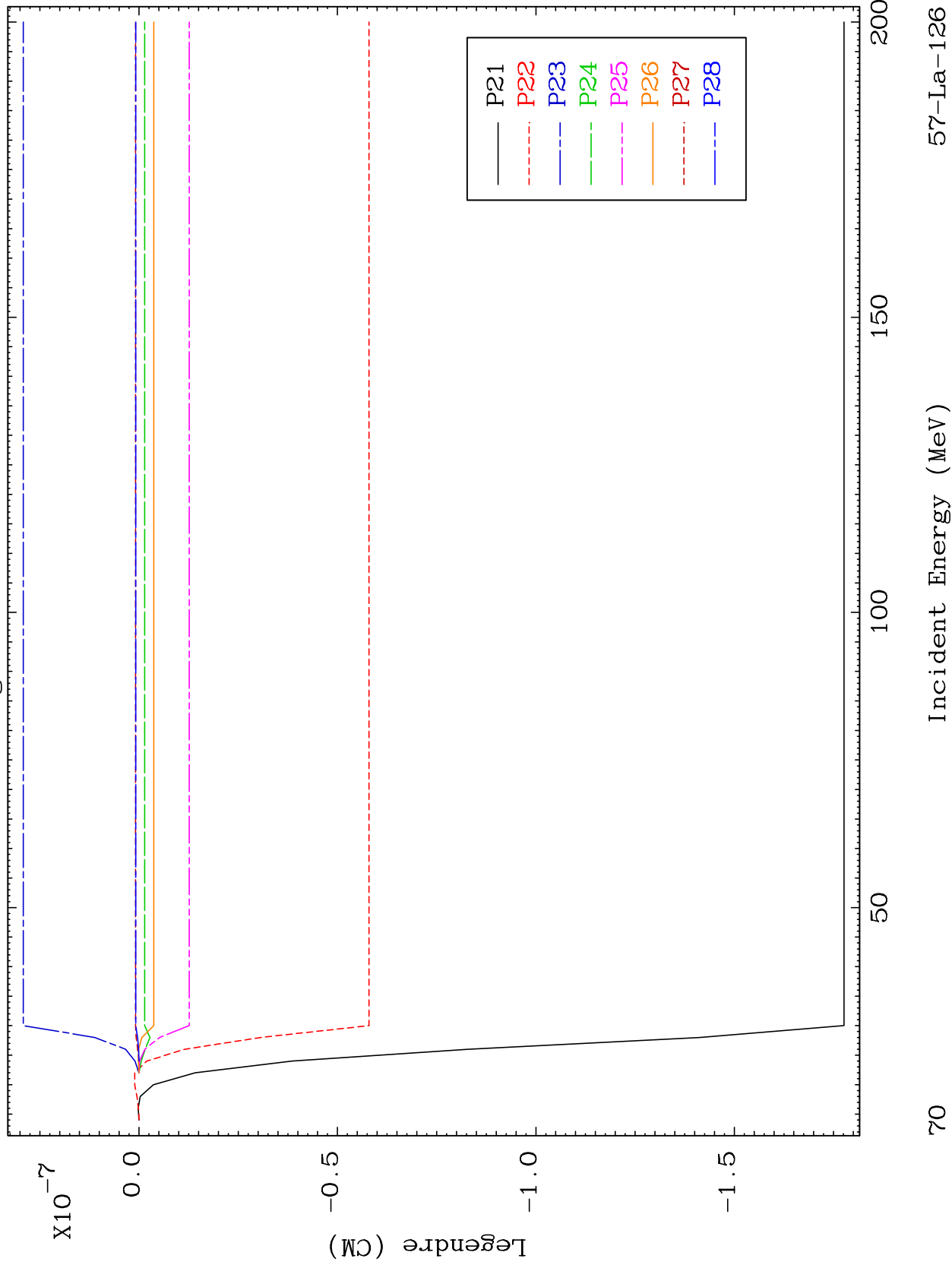
57-La-126



MAT 5689

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

57-La-126



70

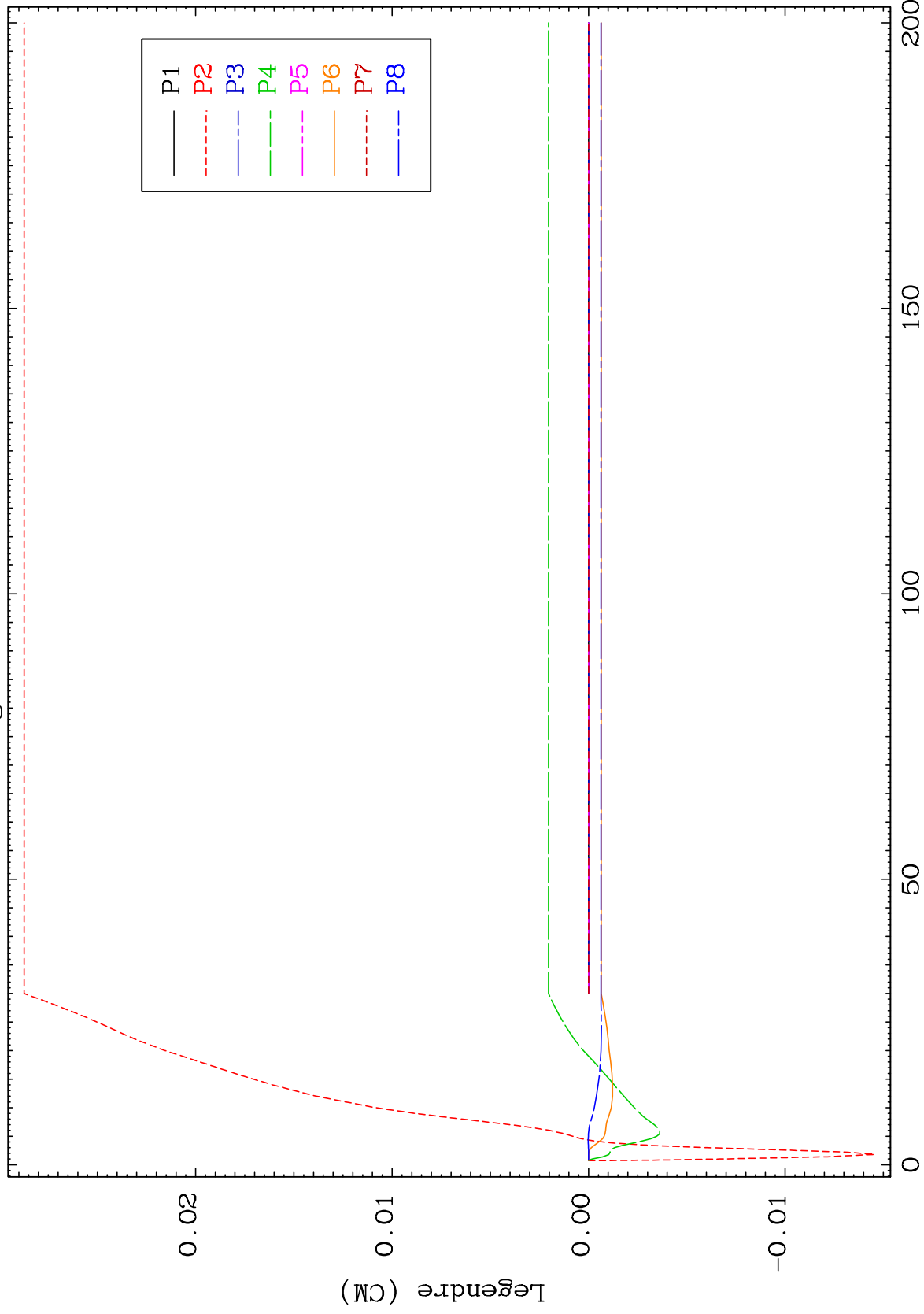
Incident Energy (MeV)

57-La-126

MAT 5689

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

57-La-126



71

Incident Energy (MeV)

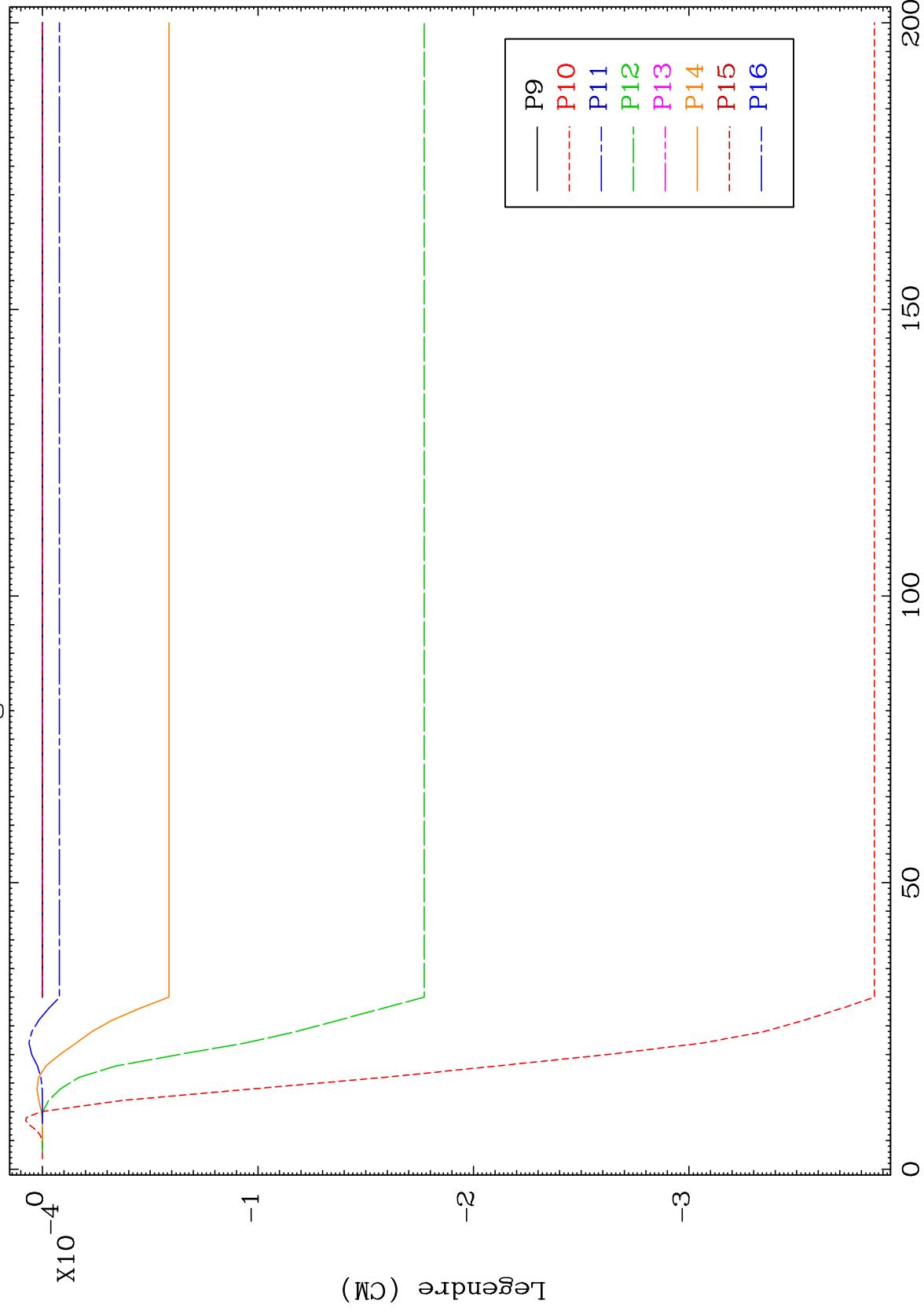
57-La-126



MAT 5689

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

57-La-126



72

Incident Energy (MeV)

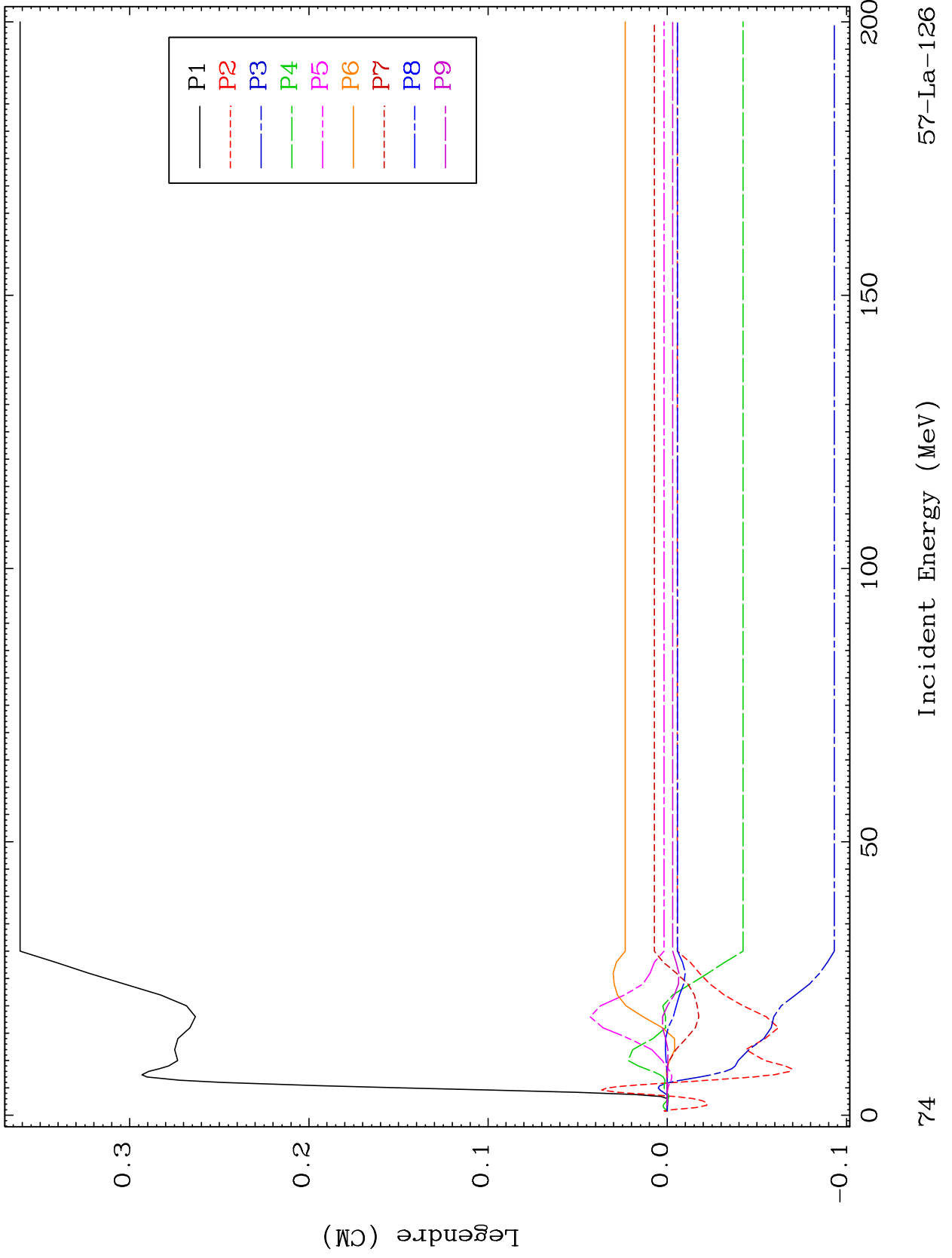
57-La-126



MAT 5689

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

57-La-126



57-La-126

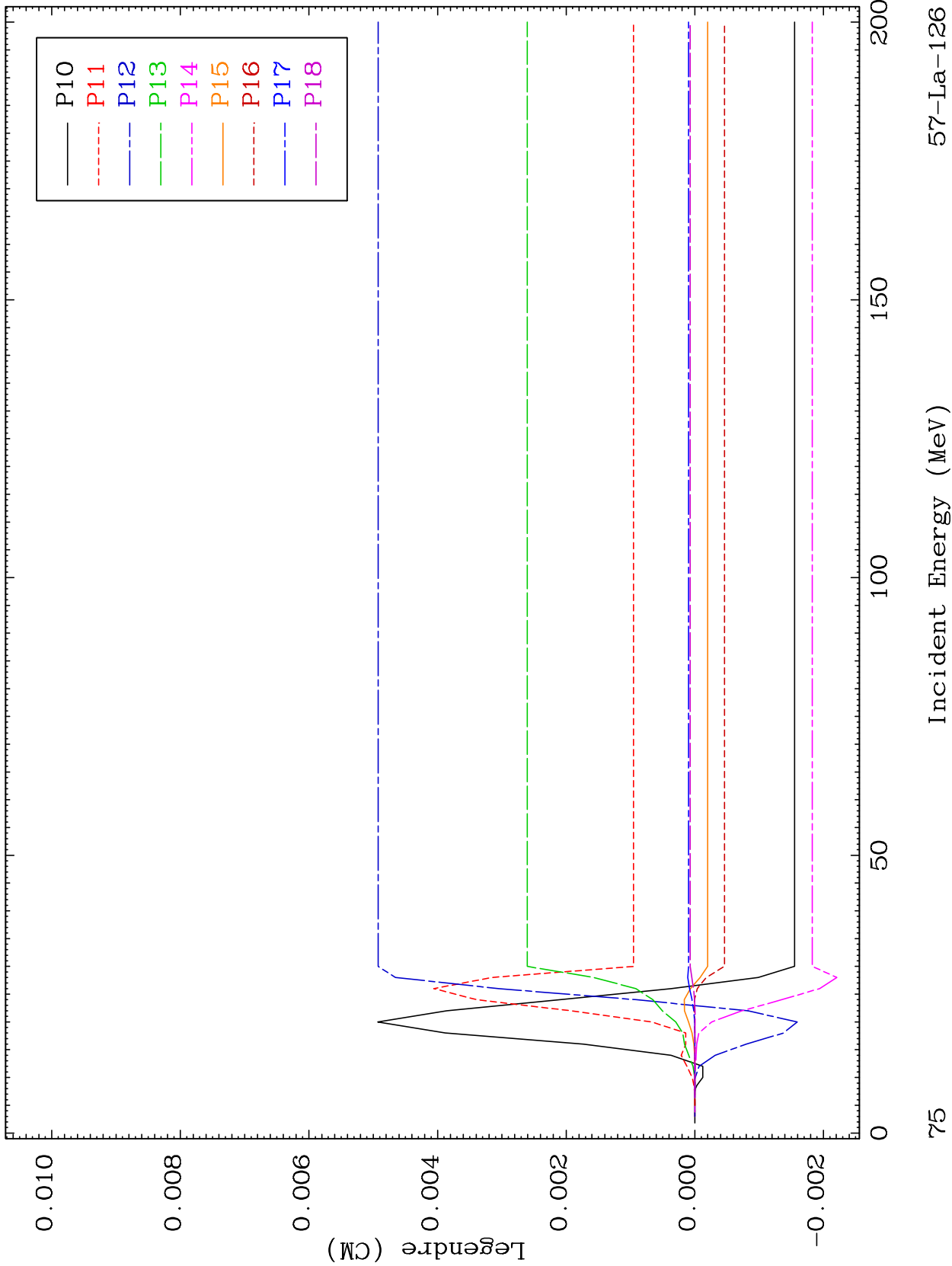
Incident Energy (MeV)

74

MAT 5689

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

57-La-126



57-La-126

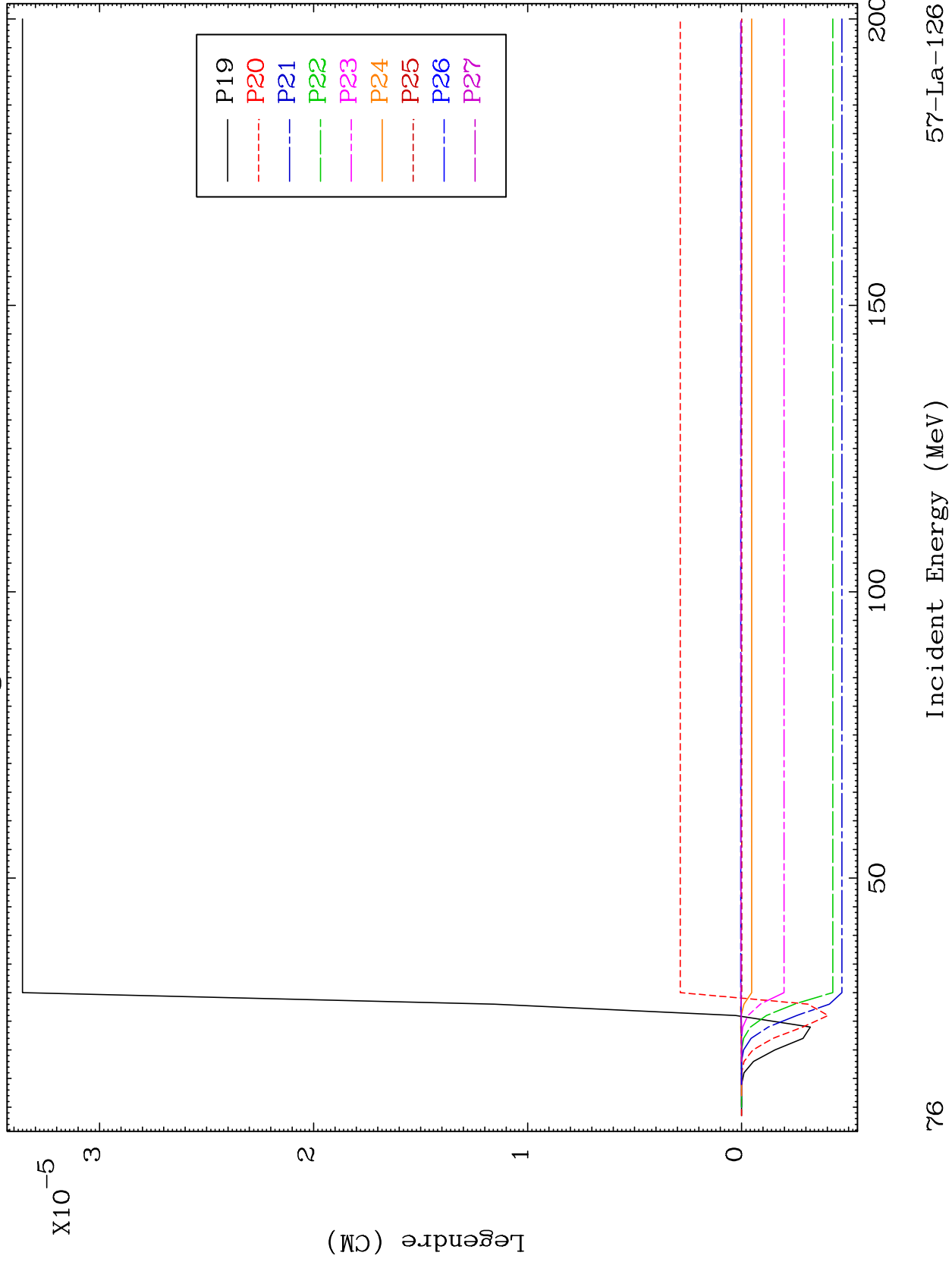
Incident Energy (MeV)

75

MAT 5689

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

57-La-126



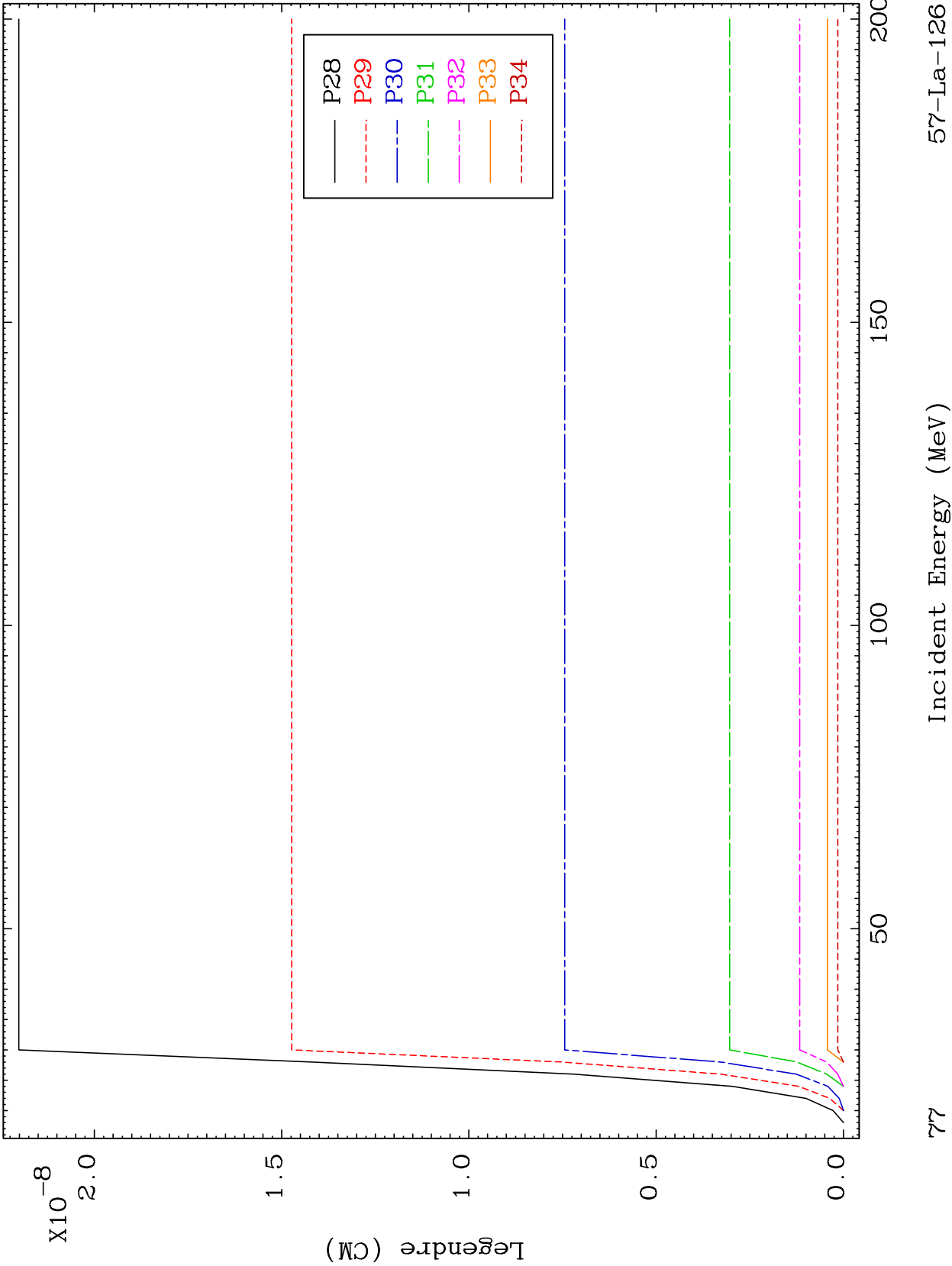
76

57-La-126

MAT 5689

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

57-La-126



77

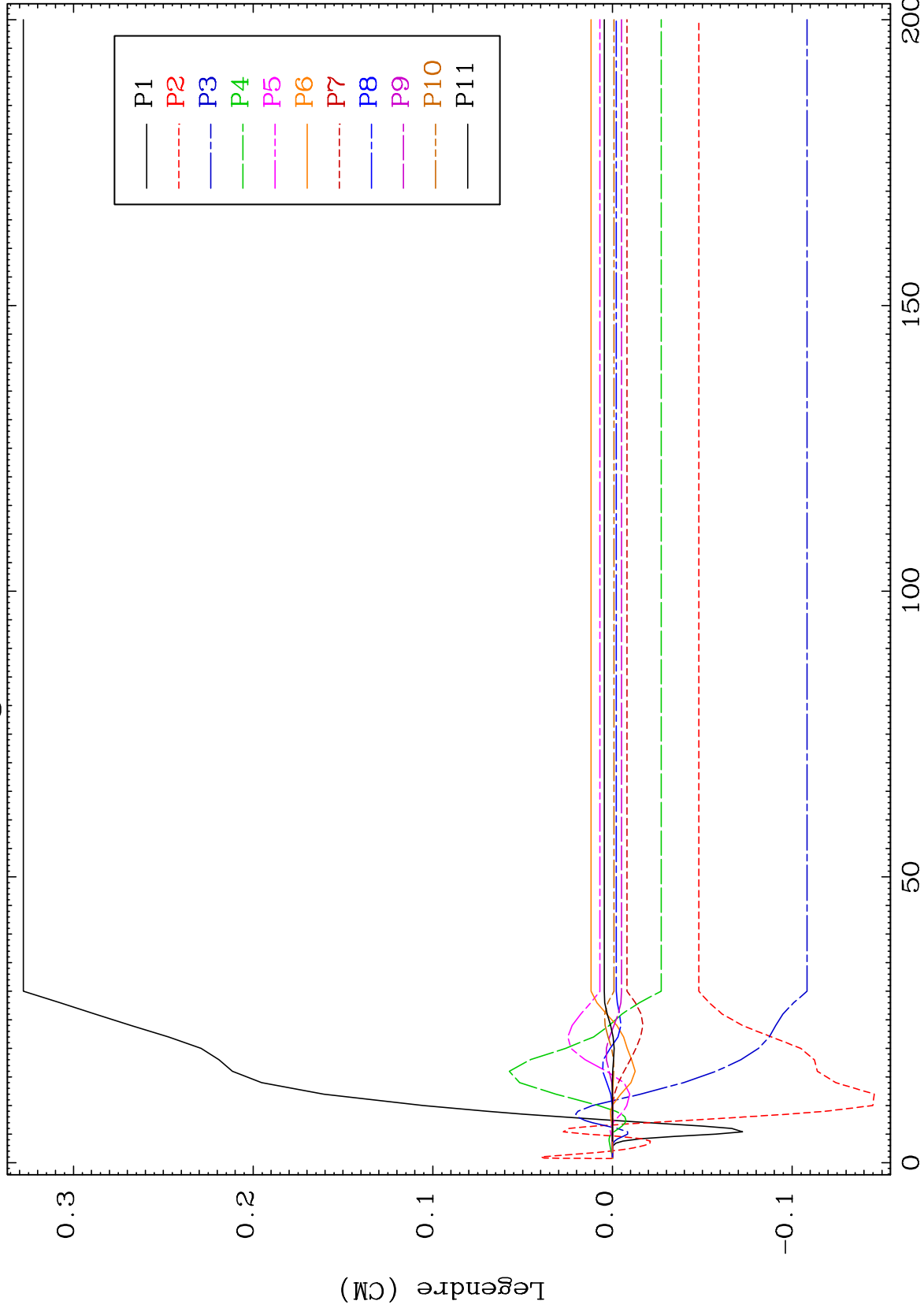
Incident Energy (MeV)

57-La-126

MAT 5689

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

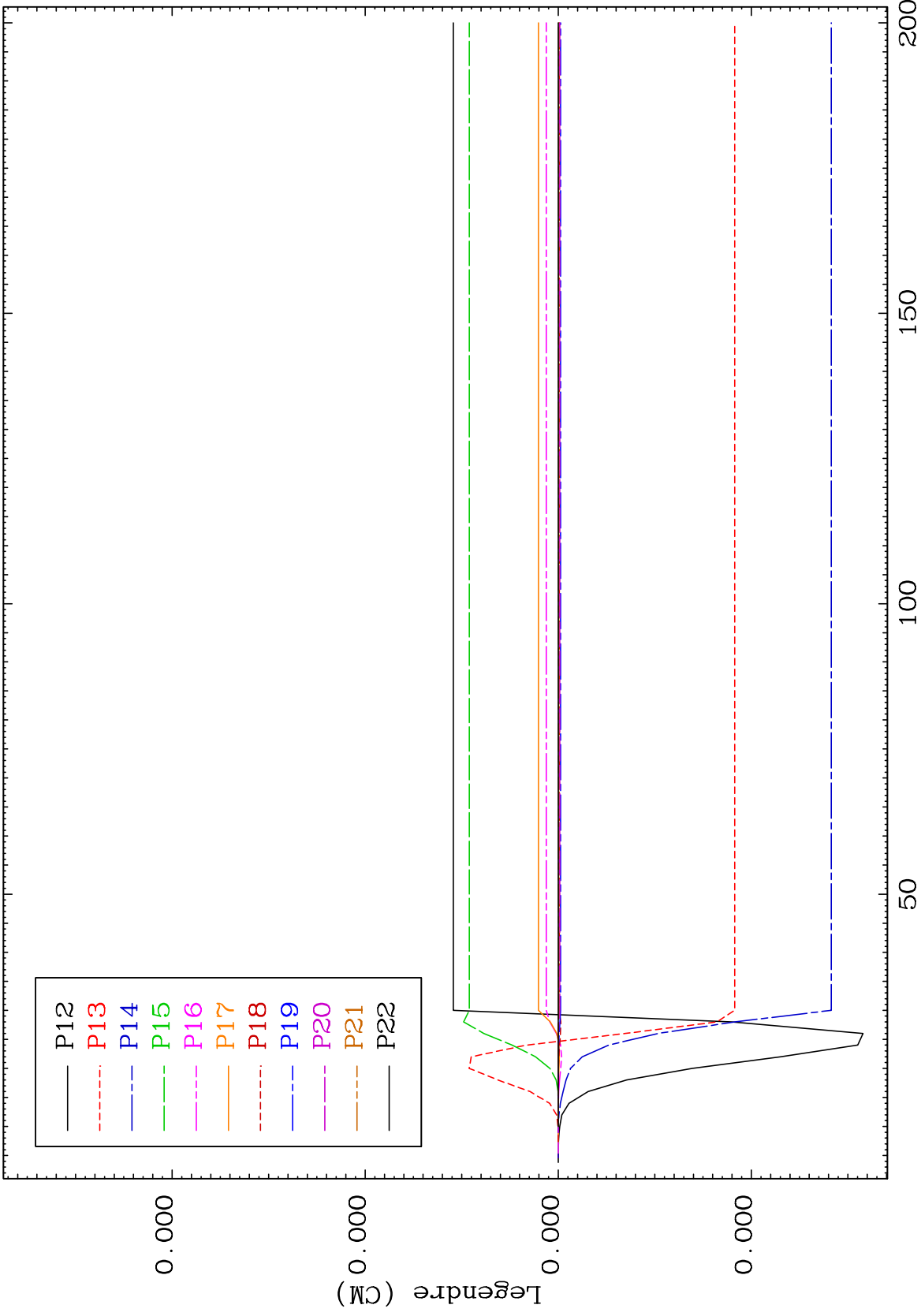
57-La-126



57-La-126

Incident Energy (MeV)

78

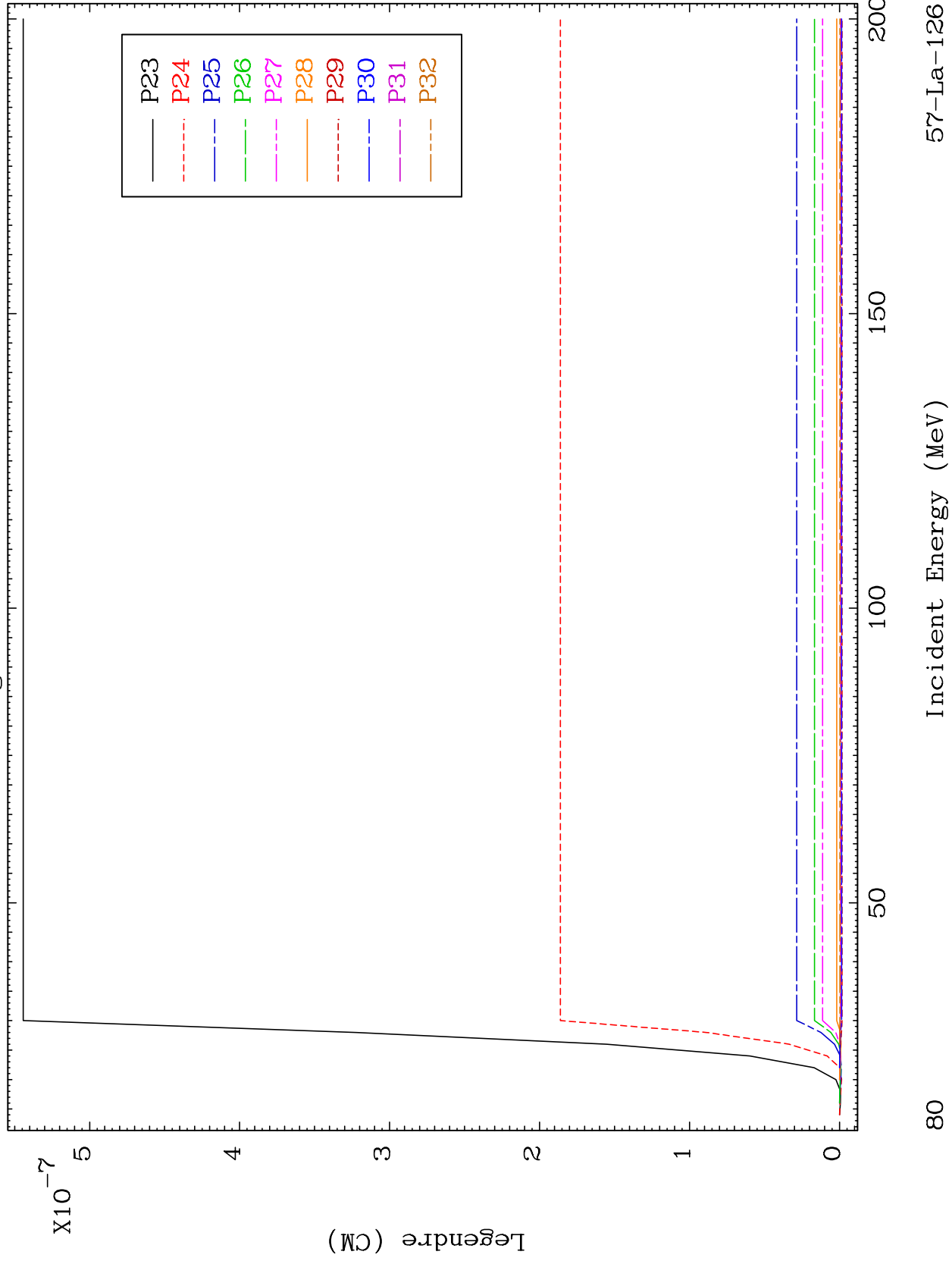




MAT 5689

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

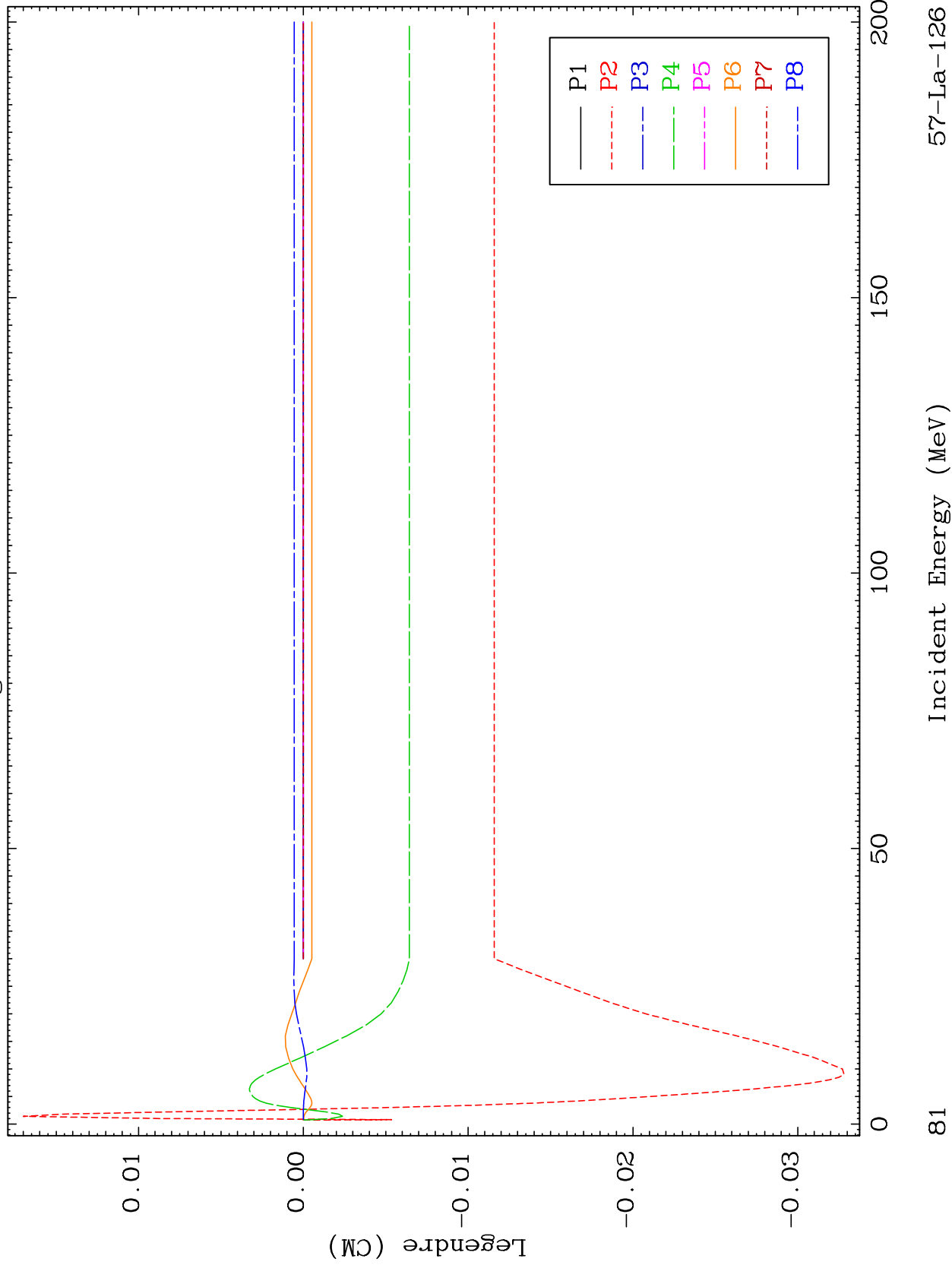
57-La-126



MAT 5689

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

57-La-126



57-La-126

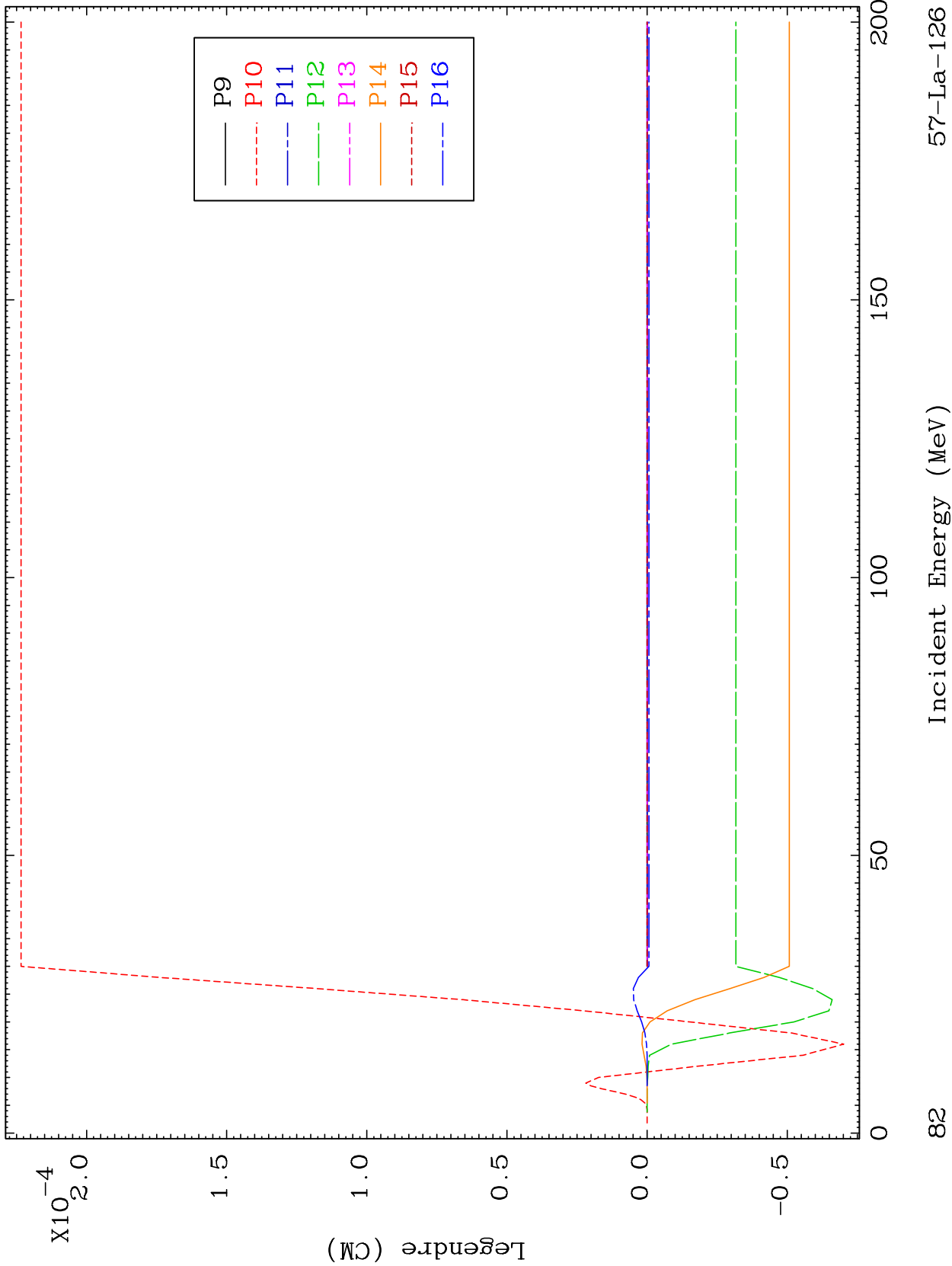
Incident Energy (MeV)

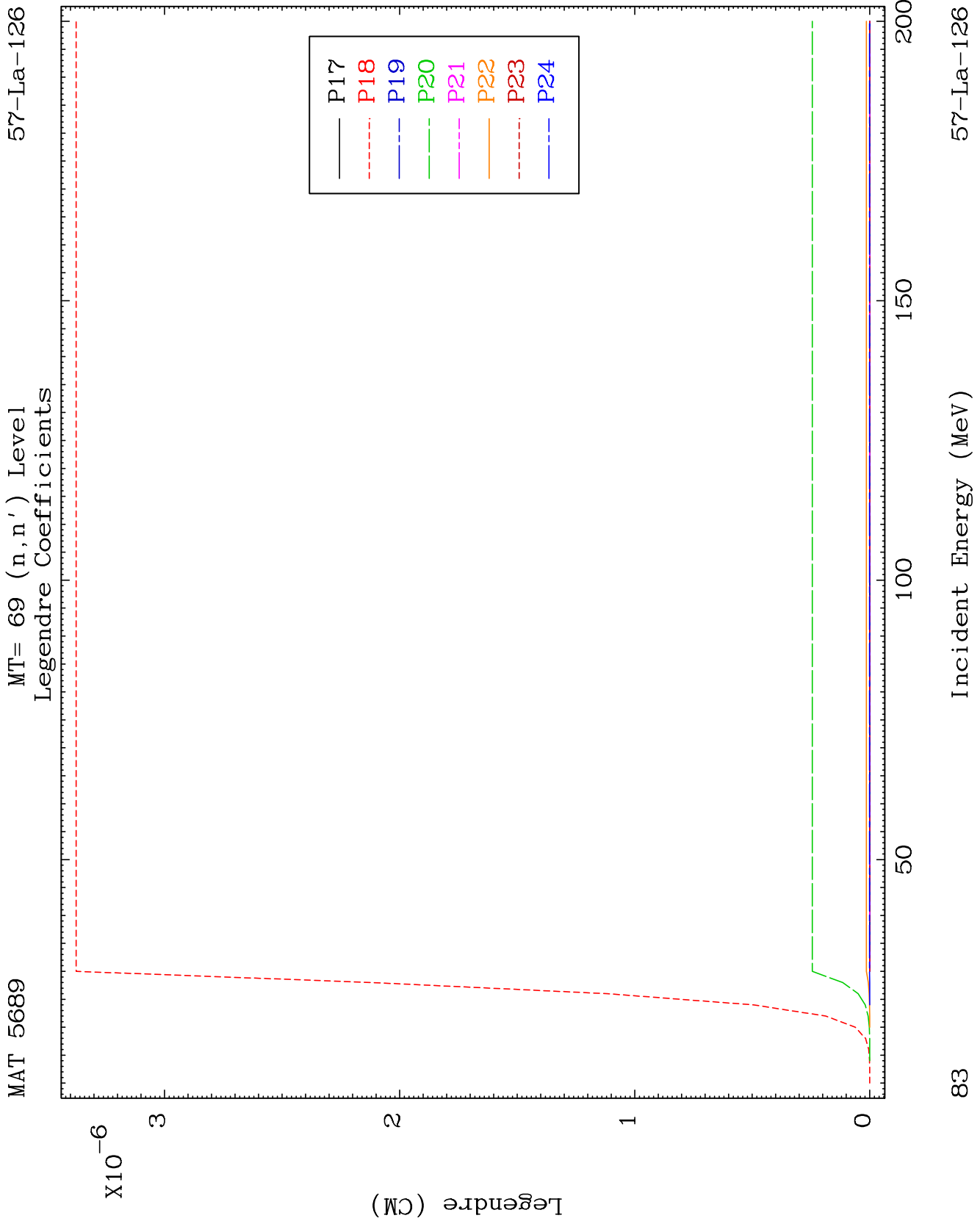
81

MAT 5689

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

57-La-126

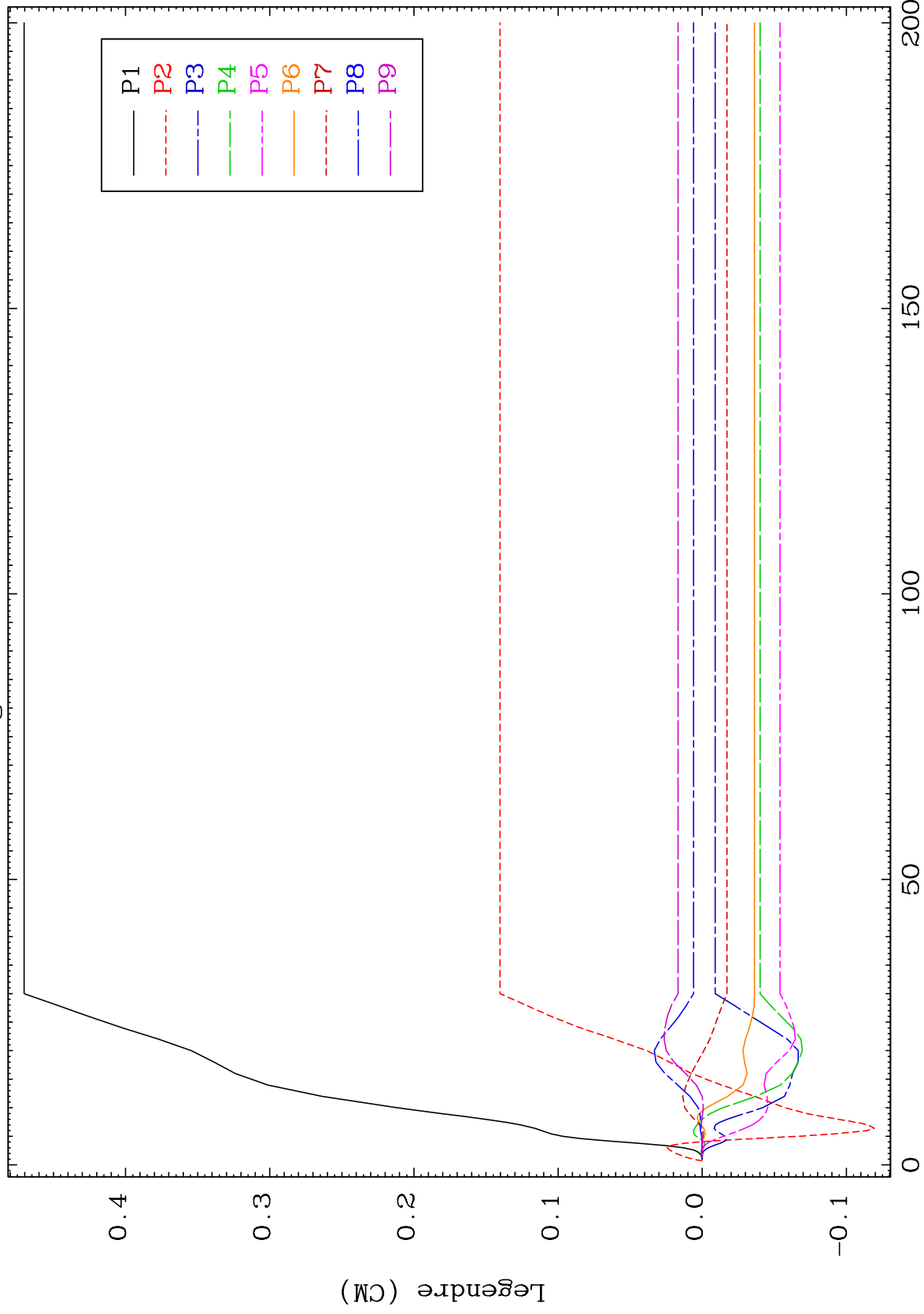




MAT 5689

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

57-La-126



84

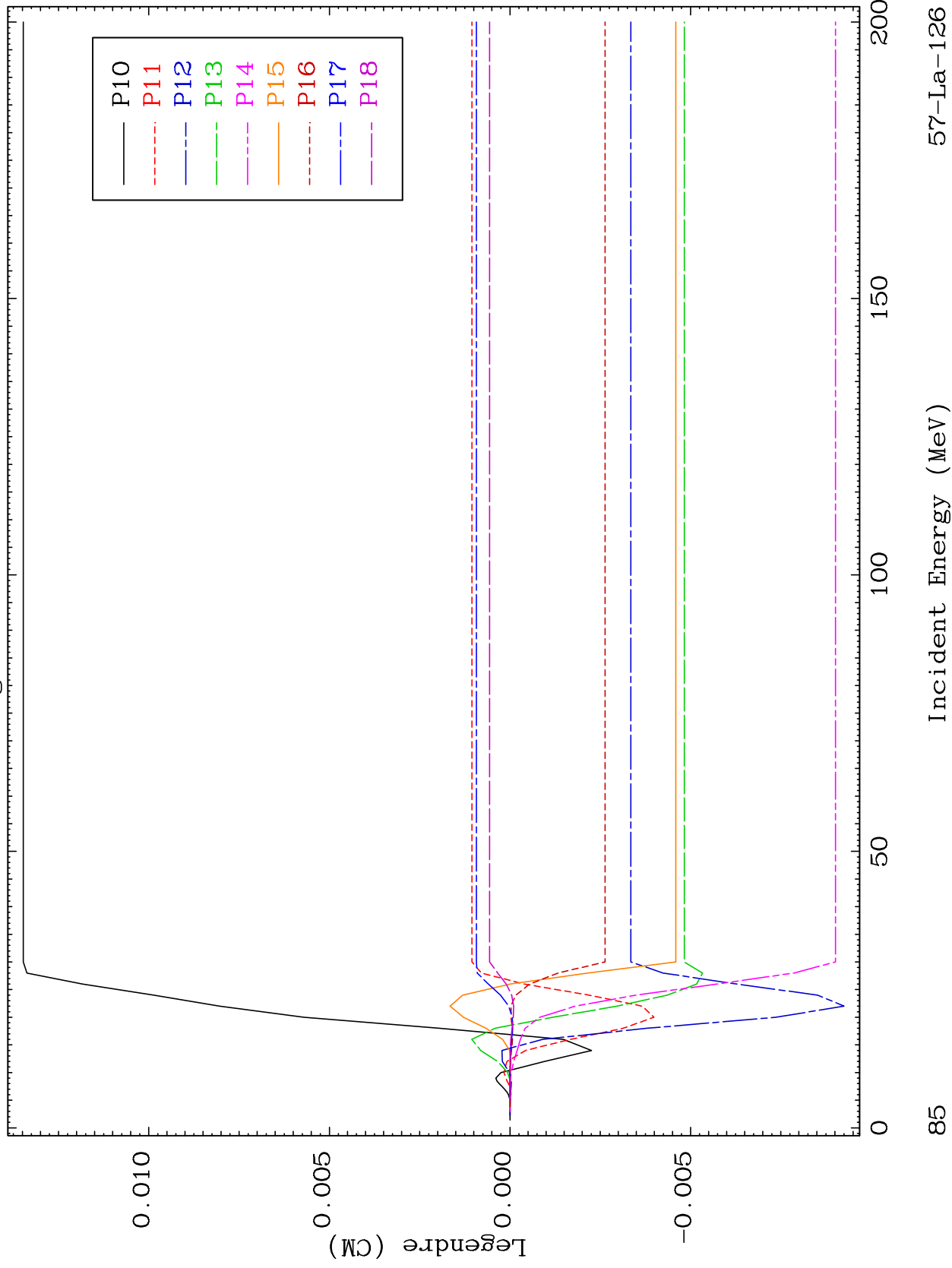
Incident Energy (MeV)

57-La-126

MAT 5689

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

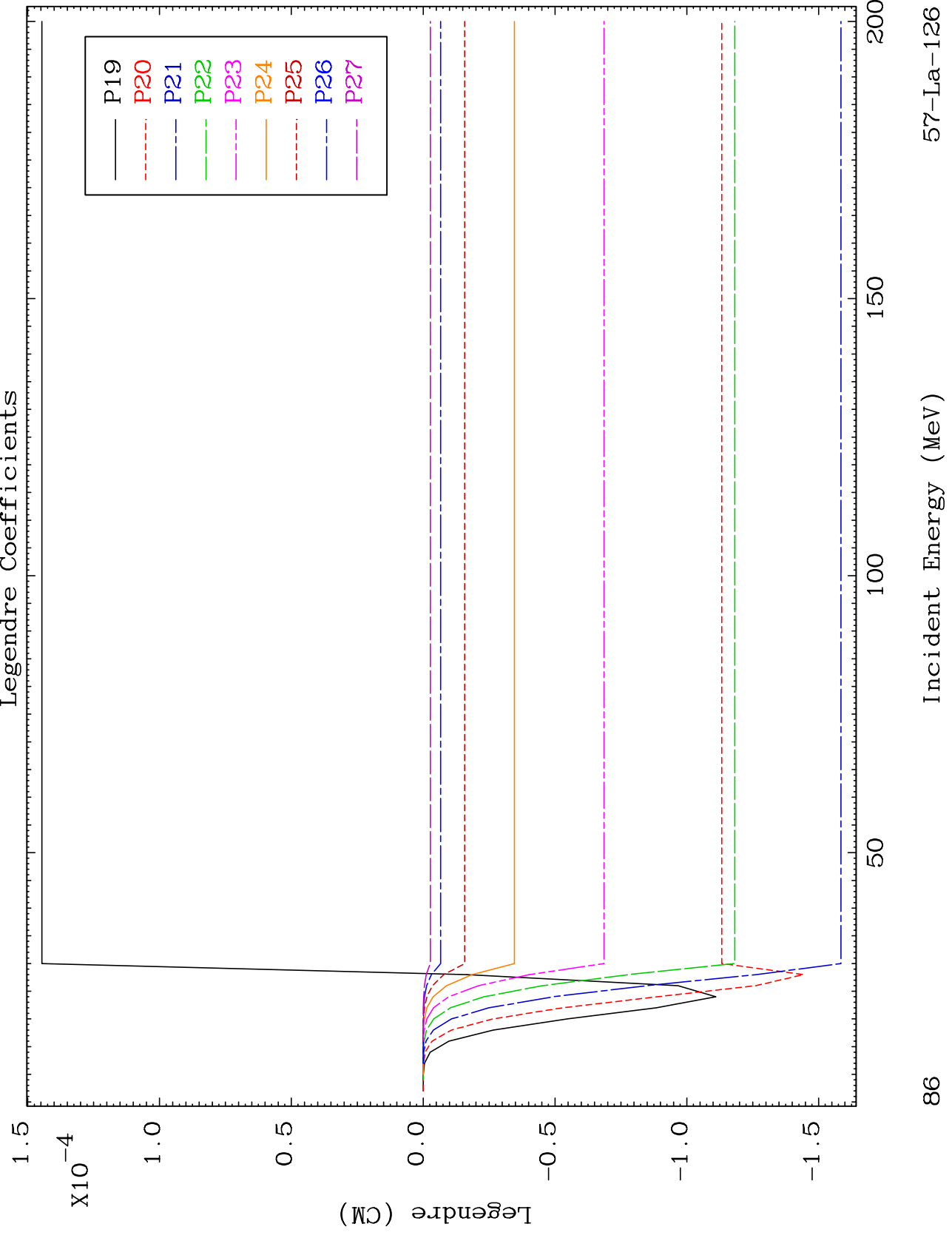
57-La-126

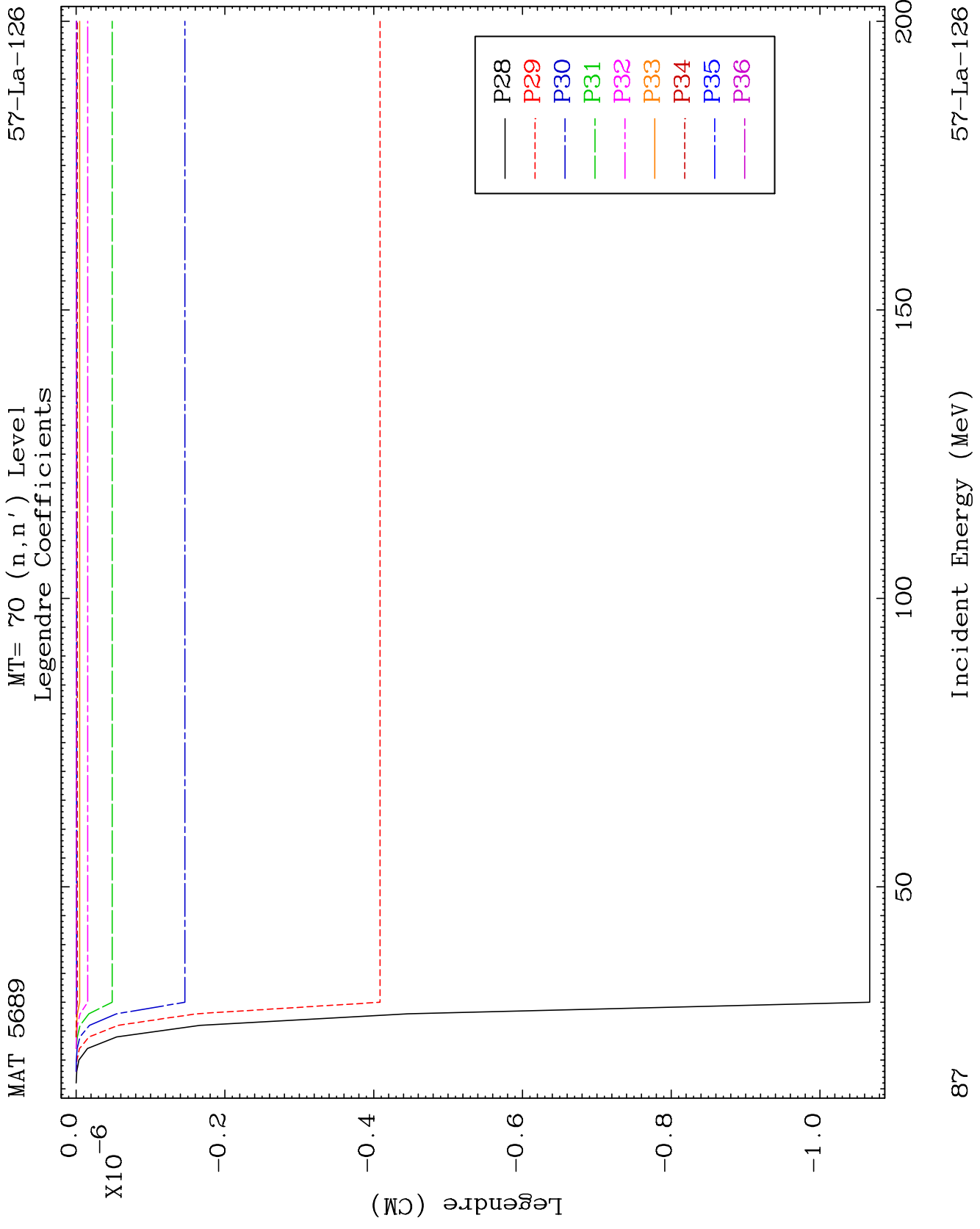


57-La-126

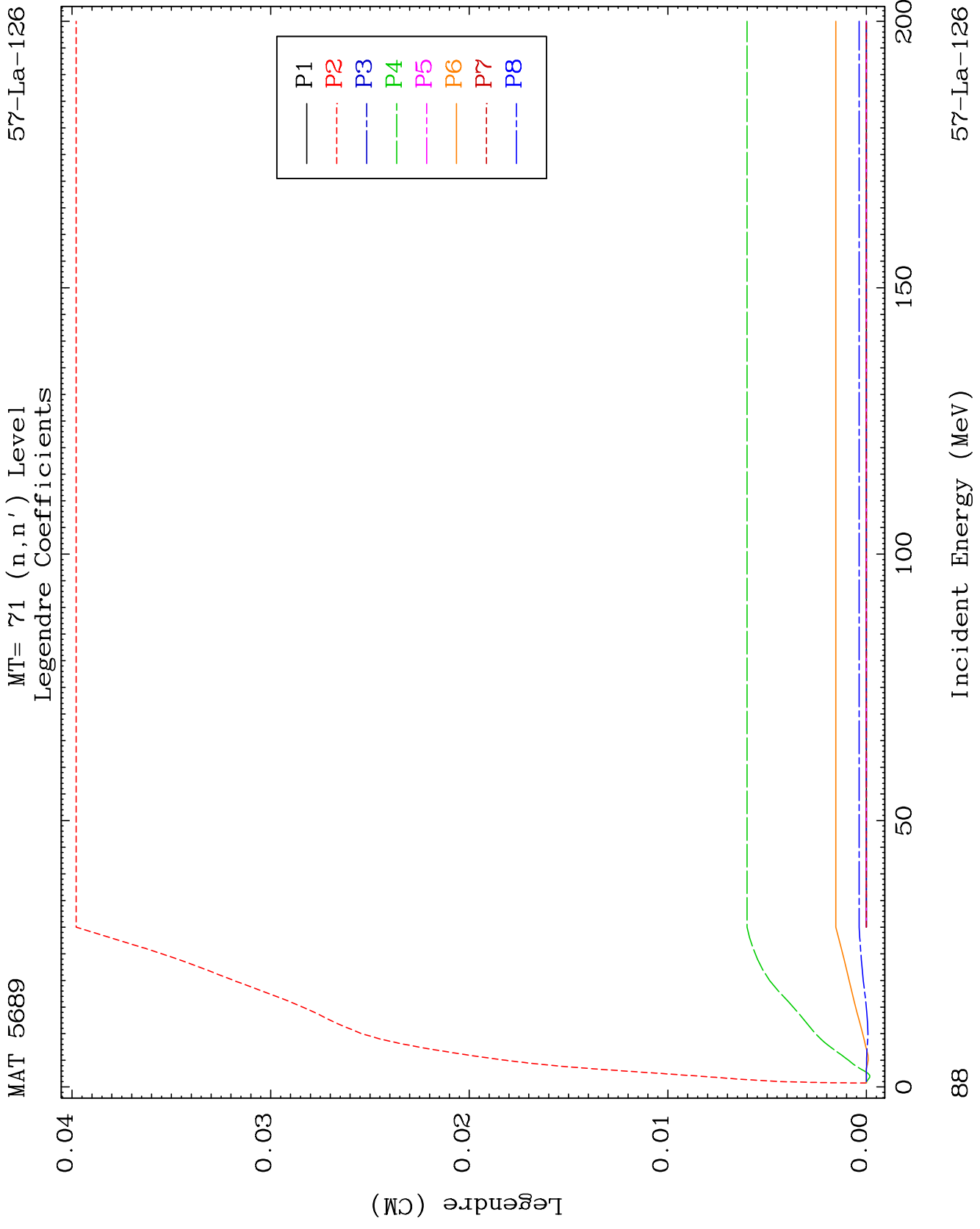
Incident Energy (MeV)

85





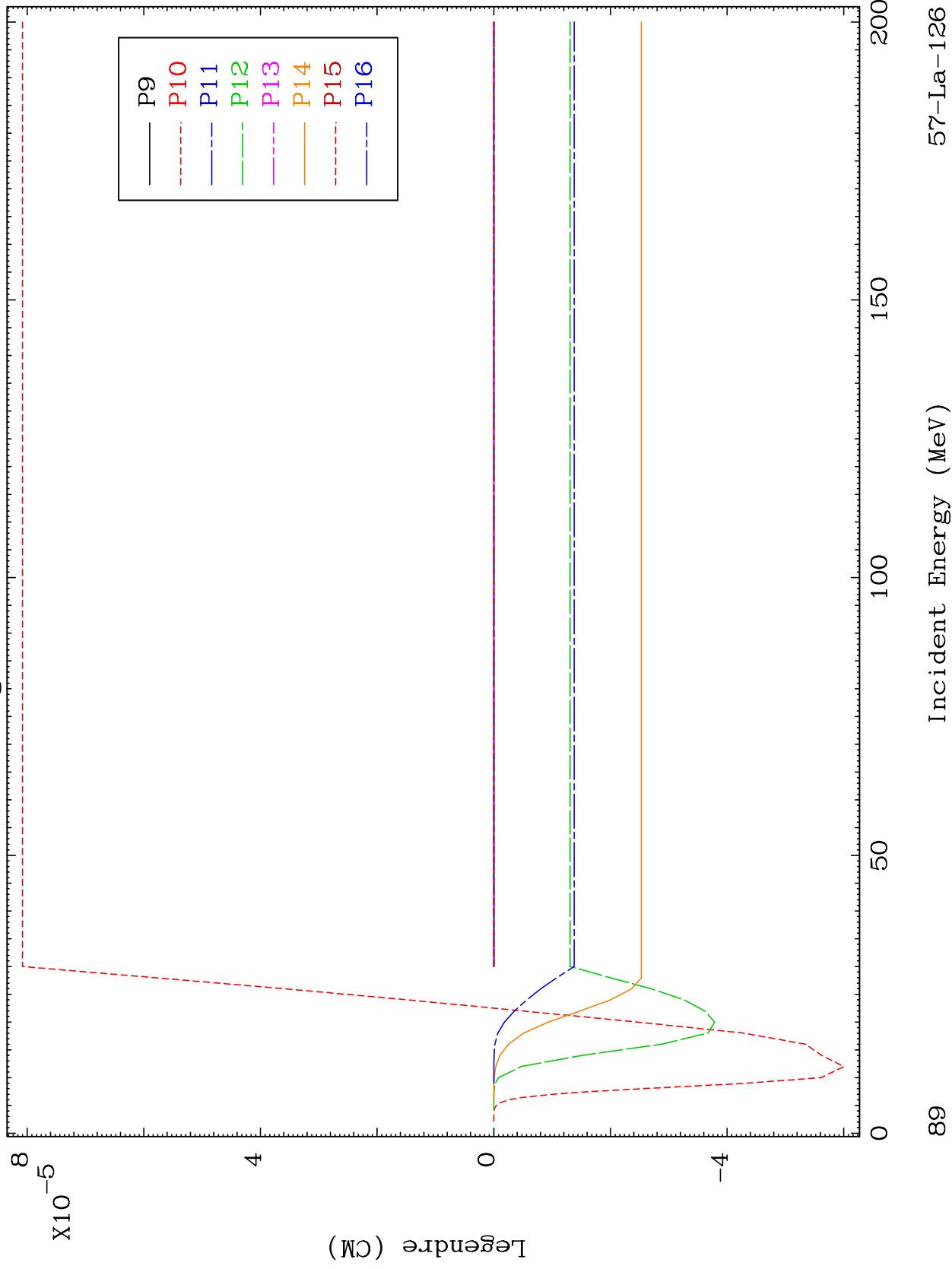




MAT 5689

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

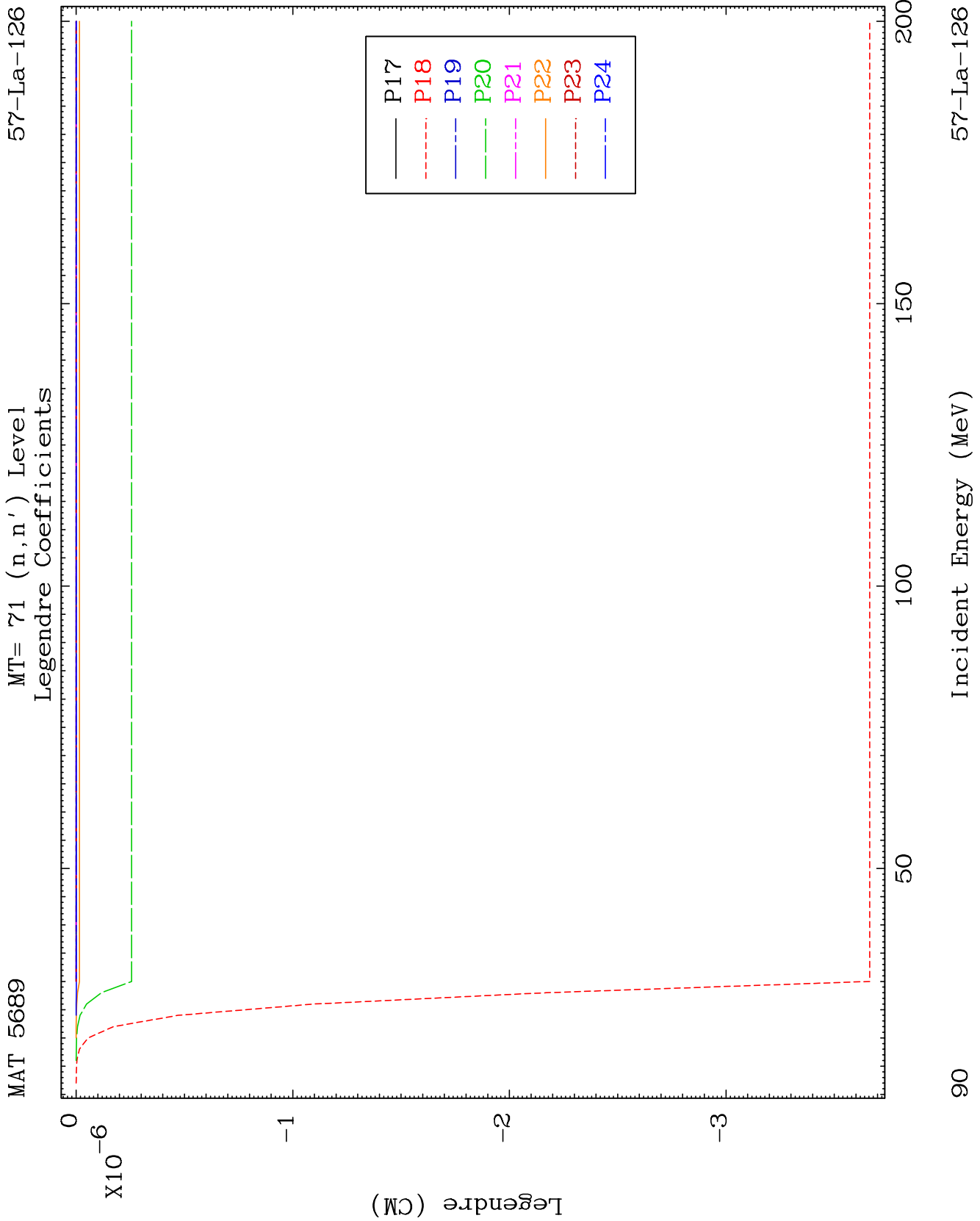
57-La-126



57-La-126

Incident Energy (MeV)

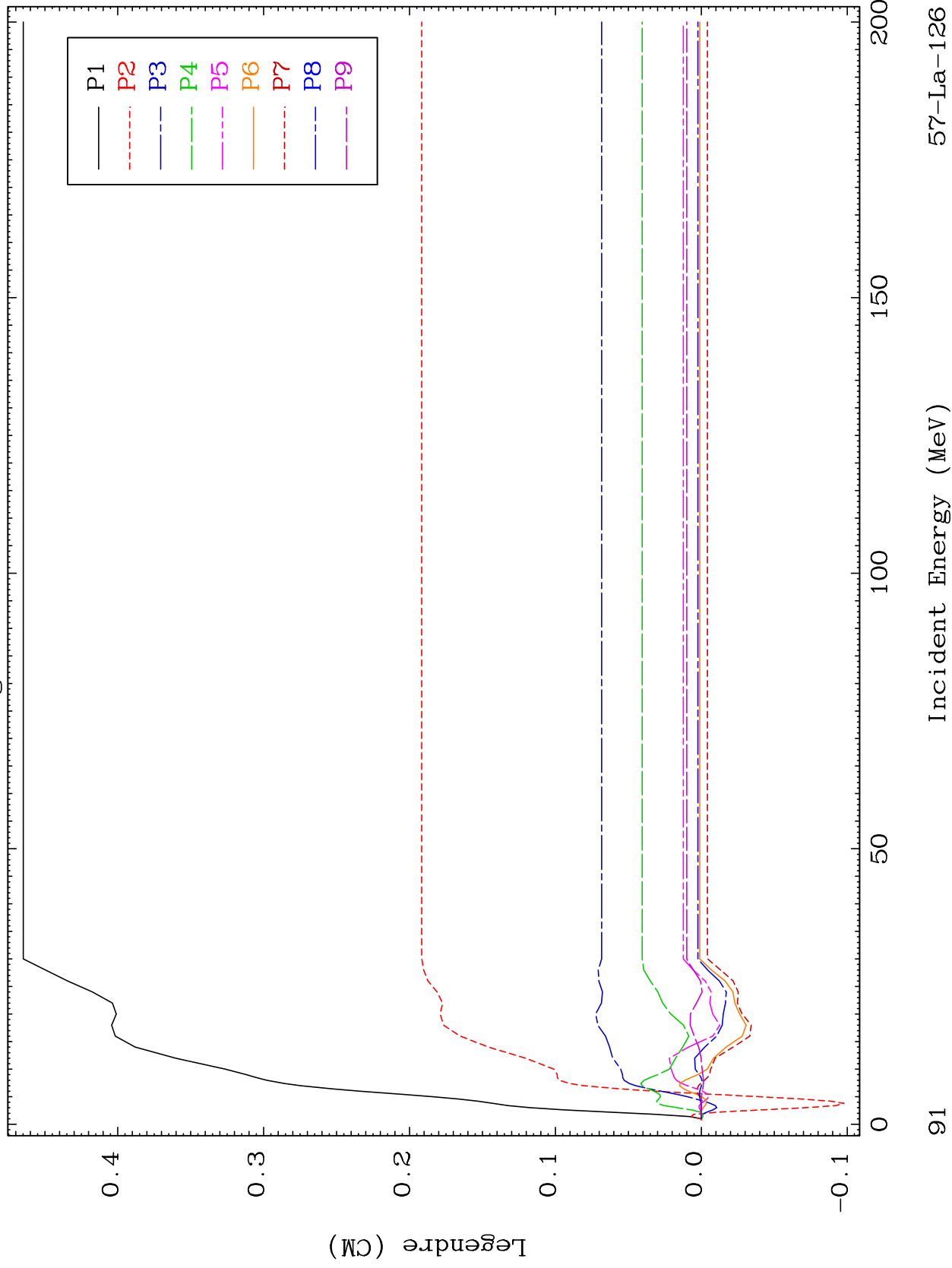
89



MAT 5689

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

57-La-126



57-La-126

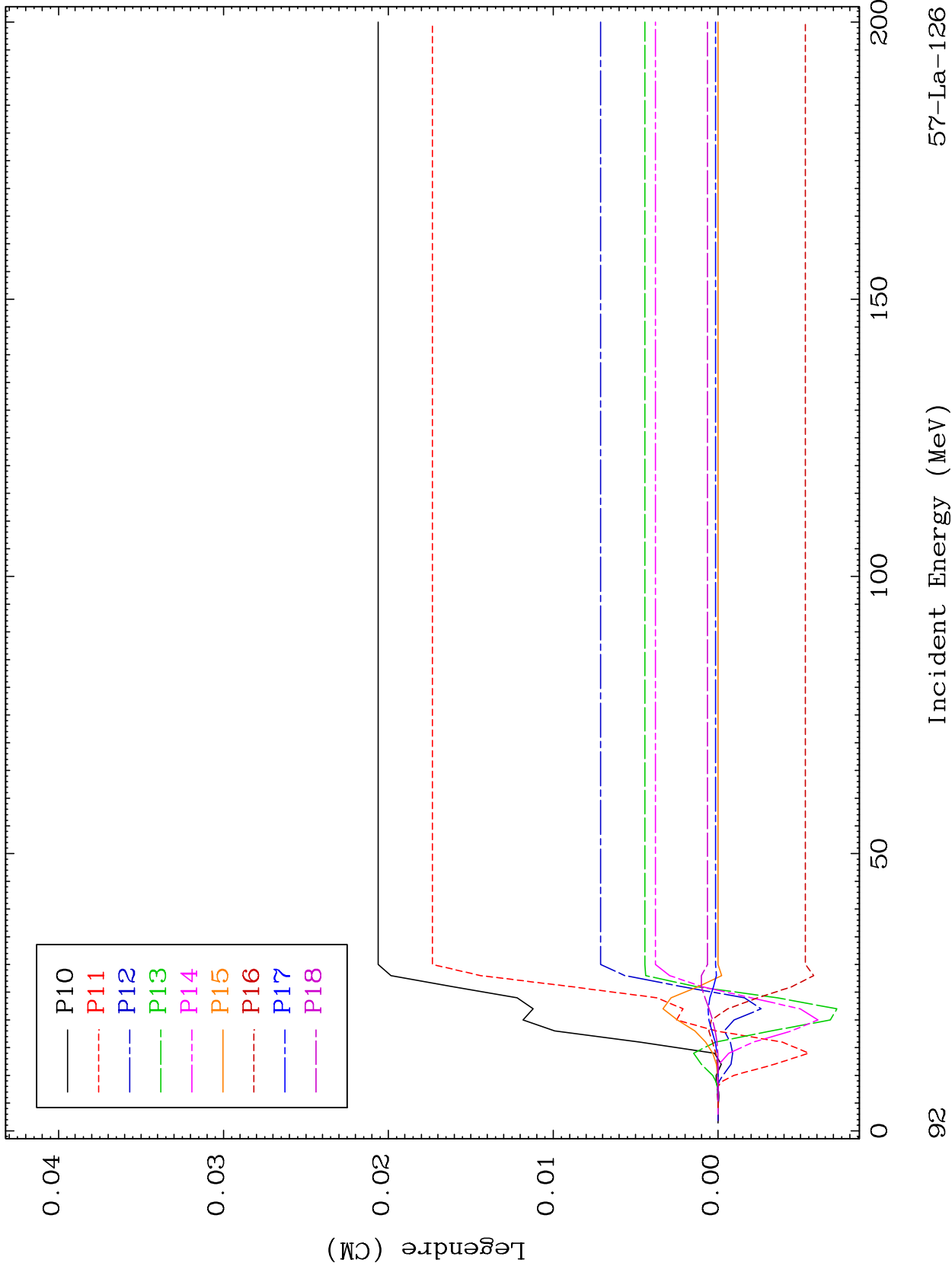
Incident Energy (MeV)

91

MAT 5689

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

57-La-126



57-La-126

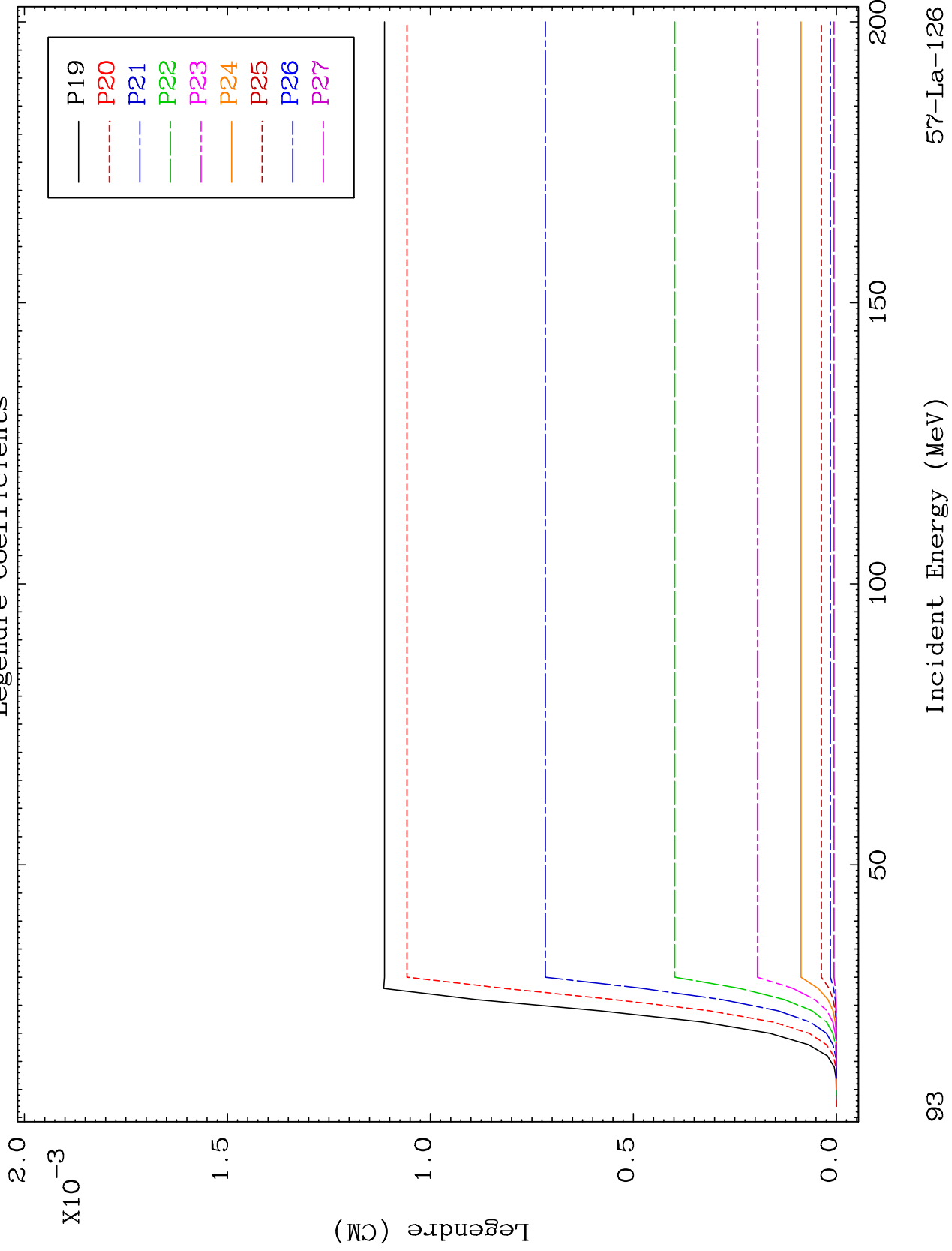
Incident Energy (MeV)

92

MAT 5689

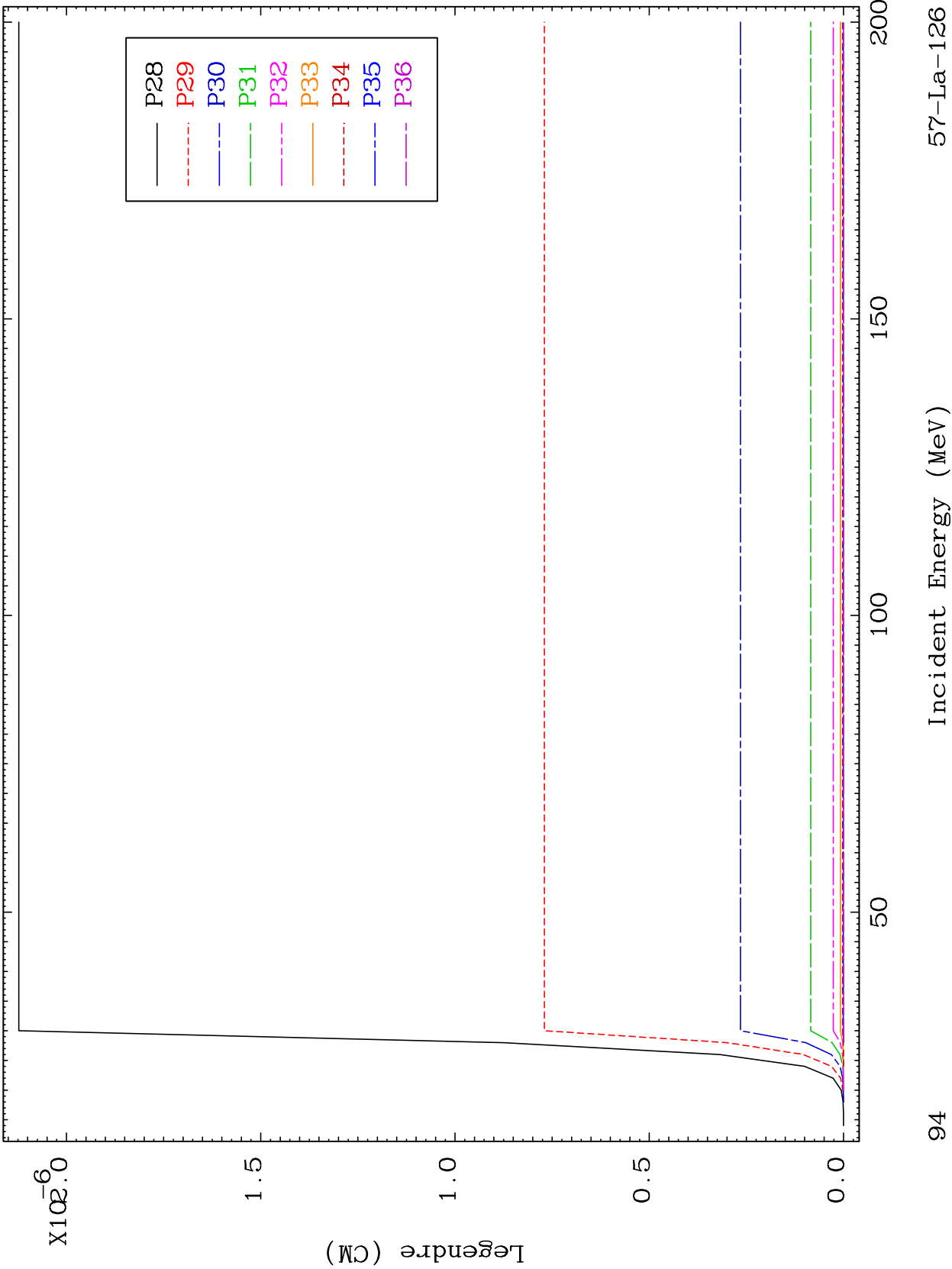
MT= 72 (n,n') Level  
Legendre Coefficients

57-La-126



93

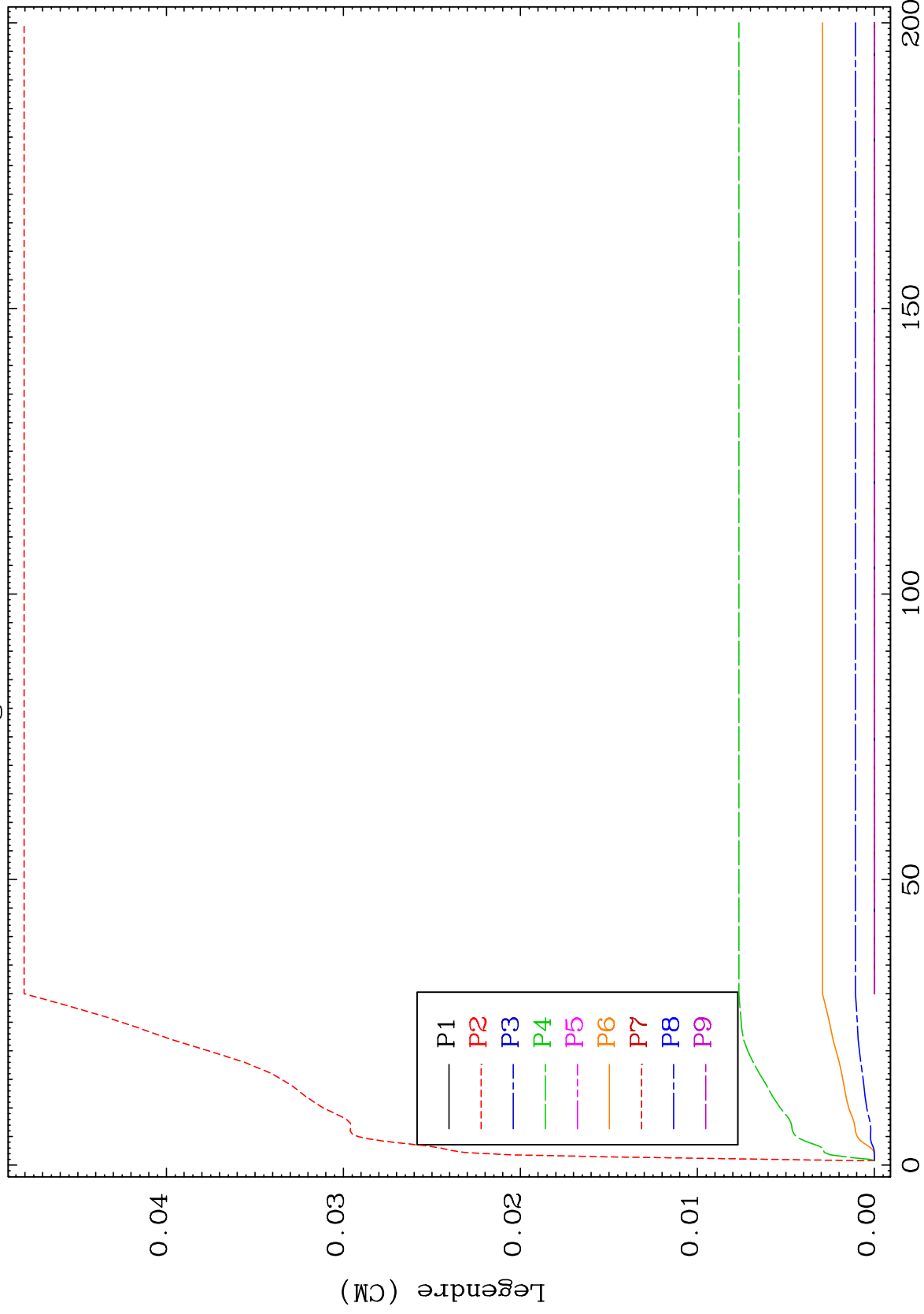
57-La-126



MAT 5689

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

57-La-126



57-La-126

Incident Energy (MeV)

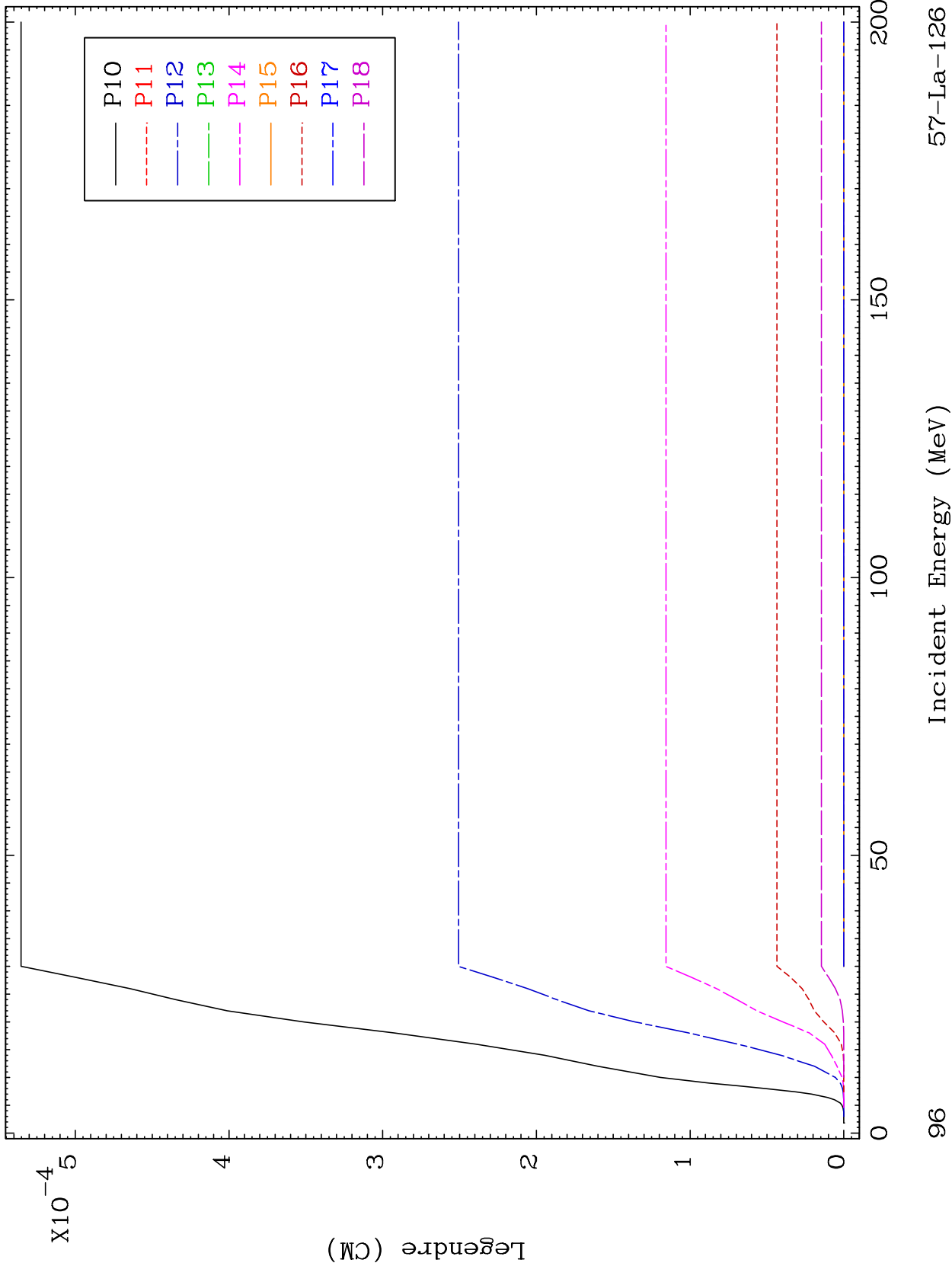
95



MAT 5689

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

57-La-126



57-La-126

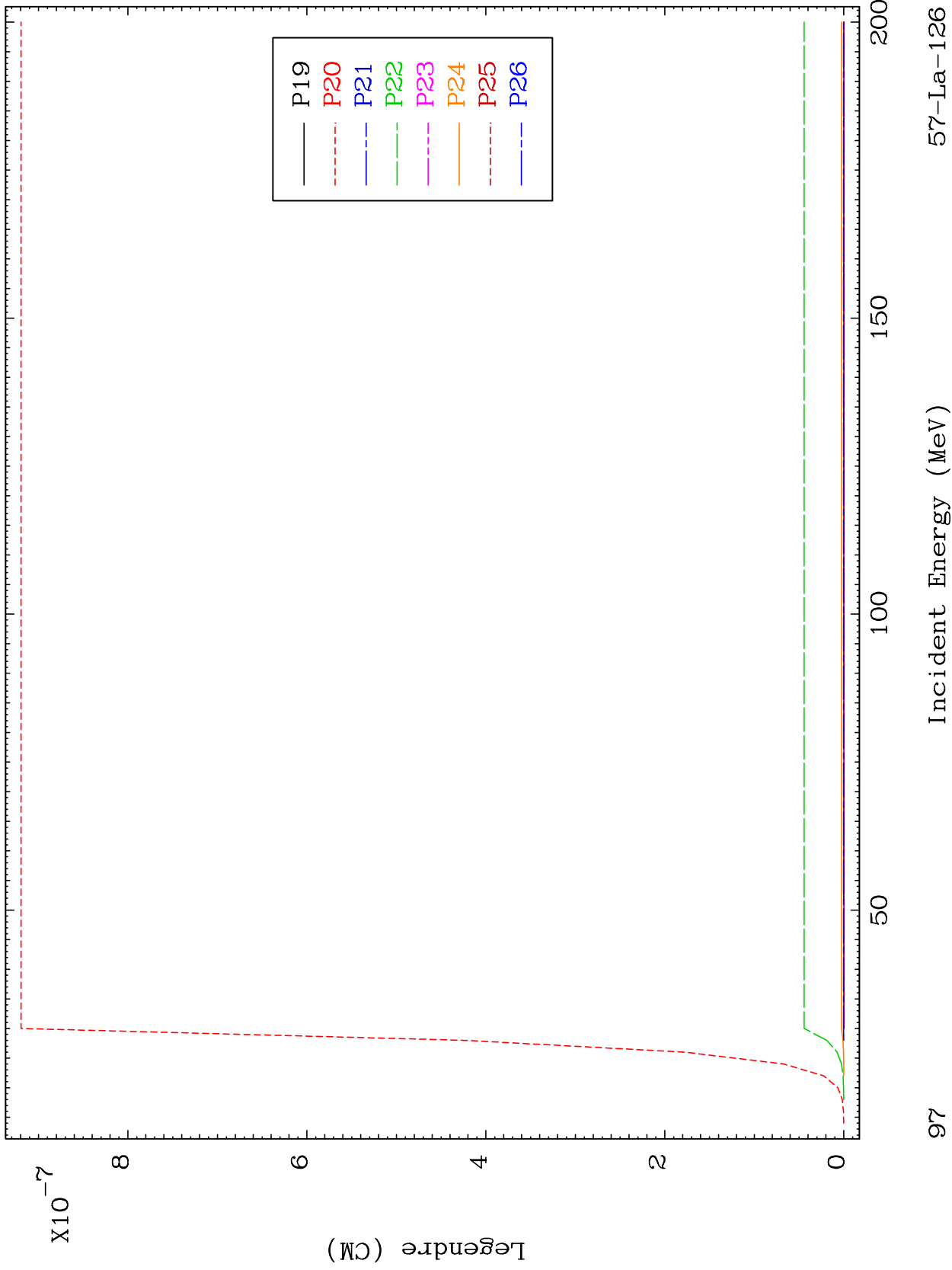
Incident Energy (MeV)

96

MAT 5689

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

57-La-126



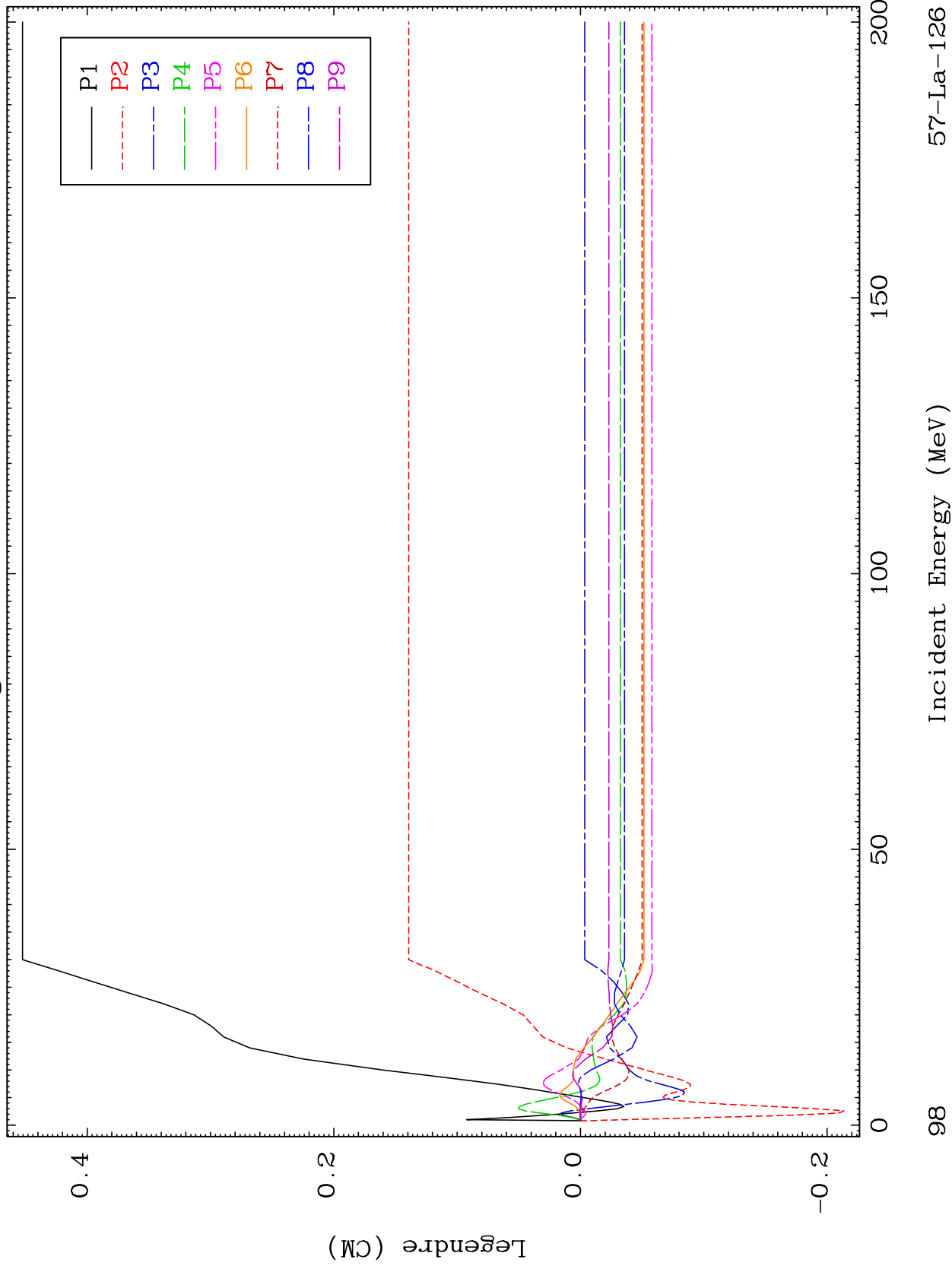
97

57-La-126

MAT 5689

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

57-La-126



57-La-126

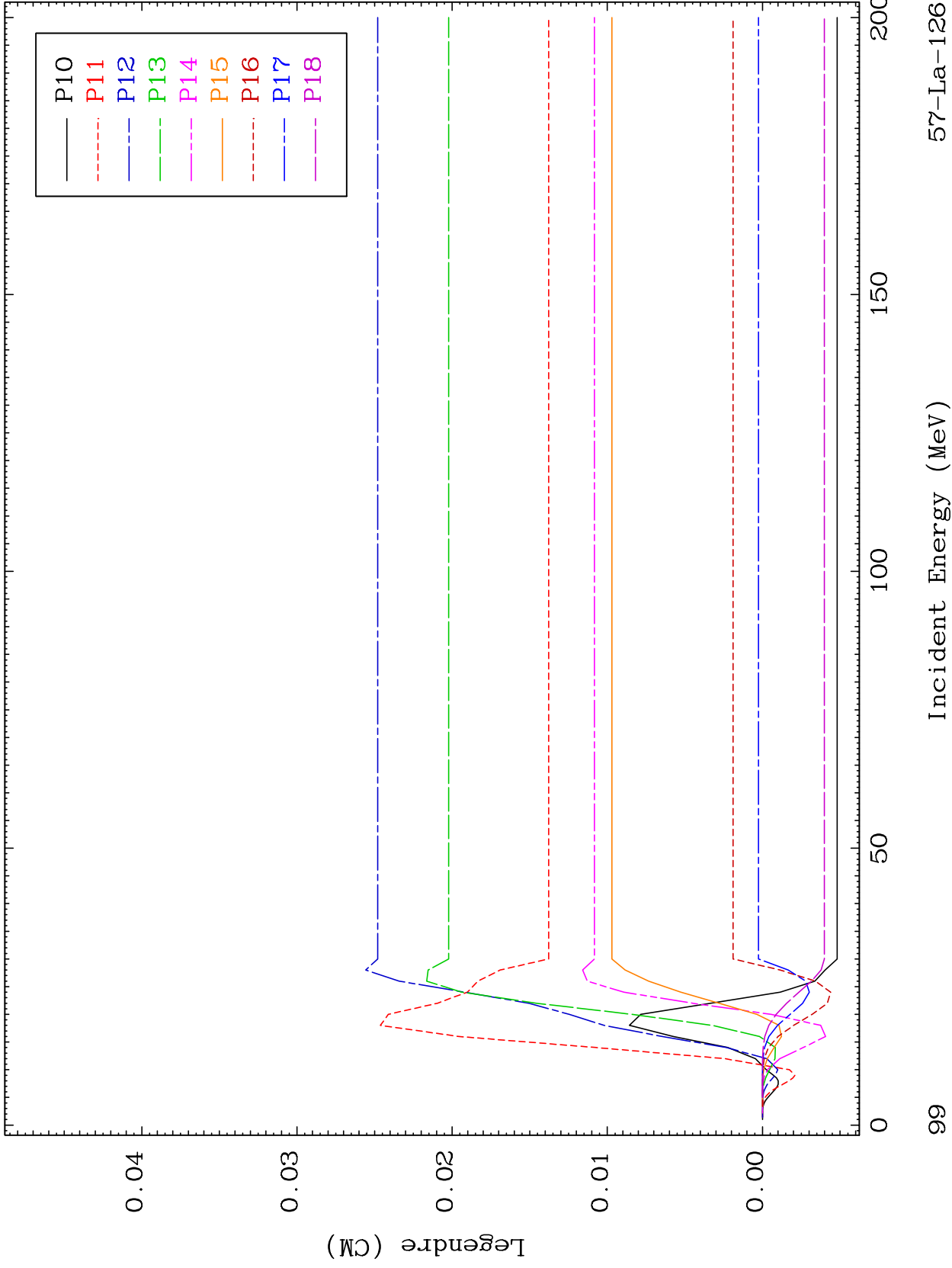
Incident Energy (MeV)

98

MAT 5689

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

57-La-126



57-La-126

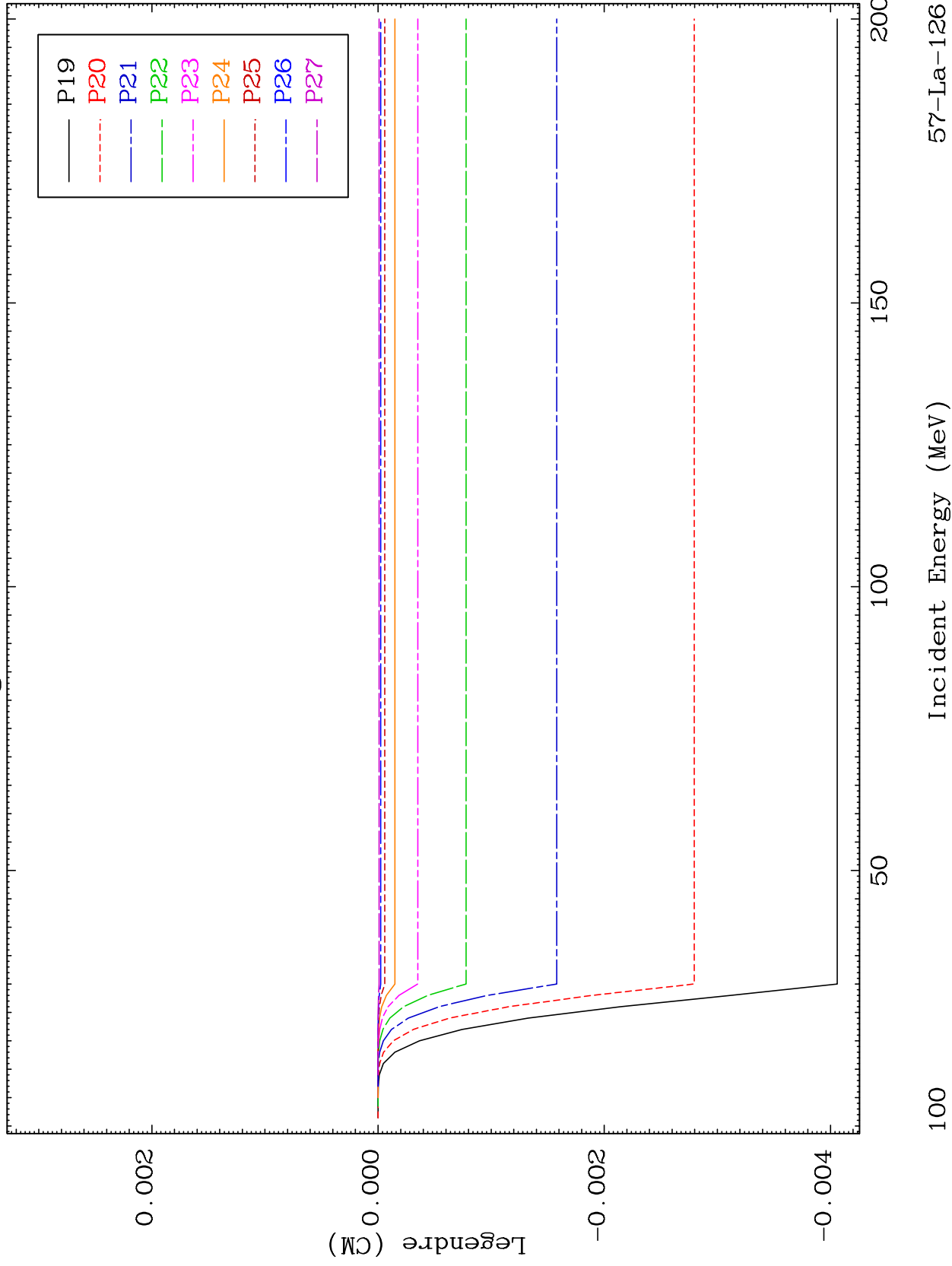
Incident Energy (MeV)

99

MAT 5689

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

57-La-126



57-La-126

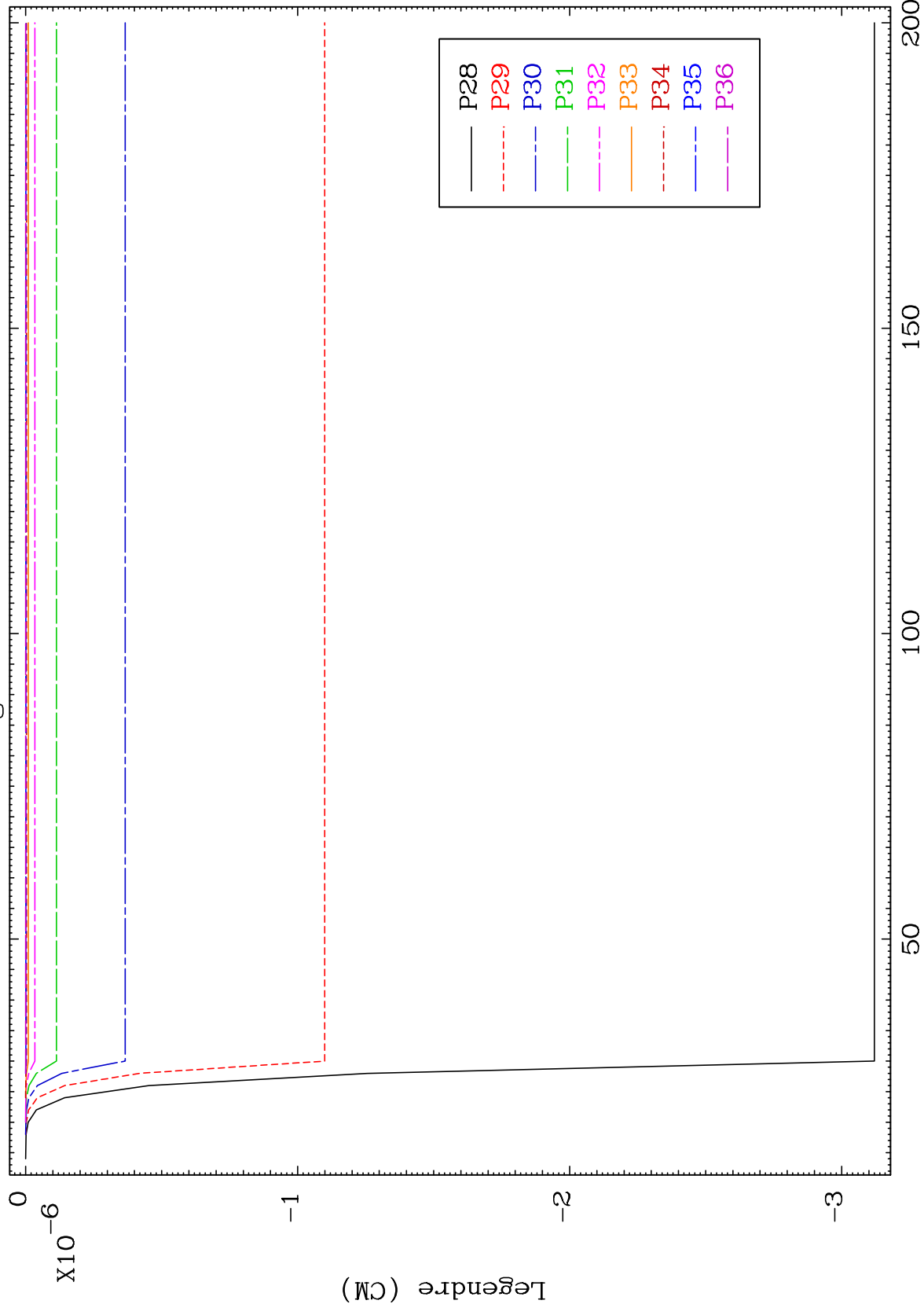
Incident Energy (MeV)

100

MAT 5689

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

57-La-126



101

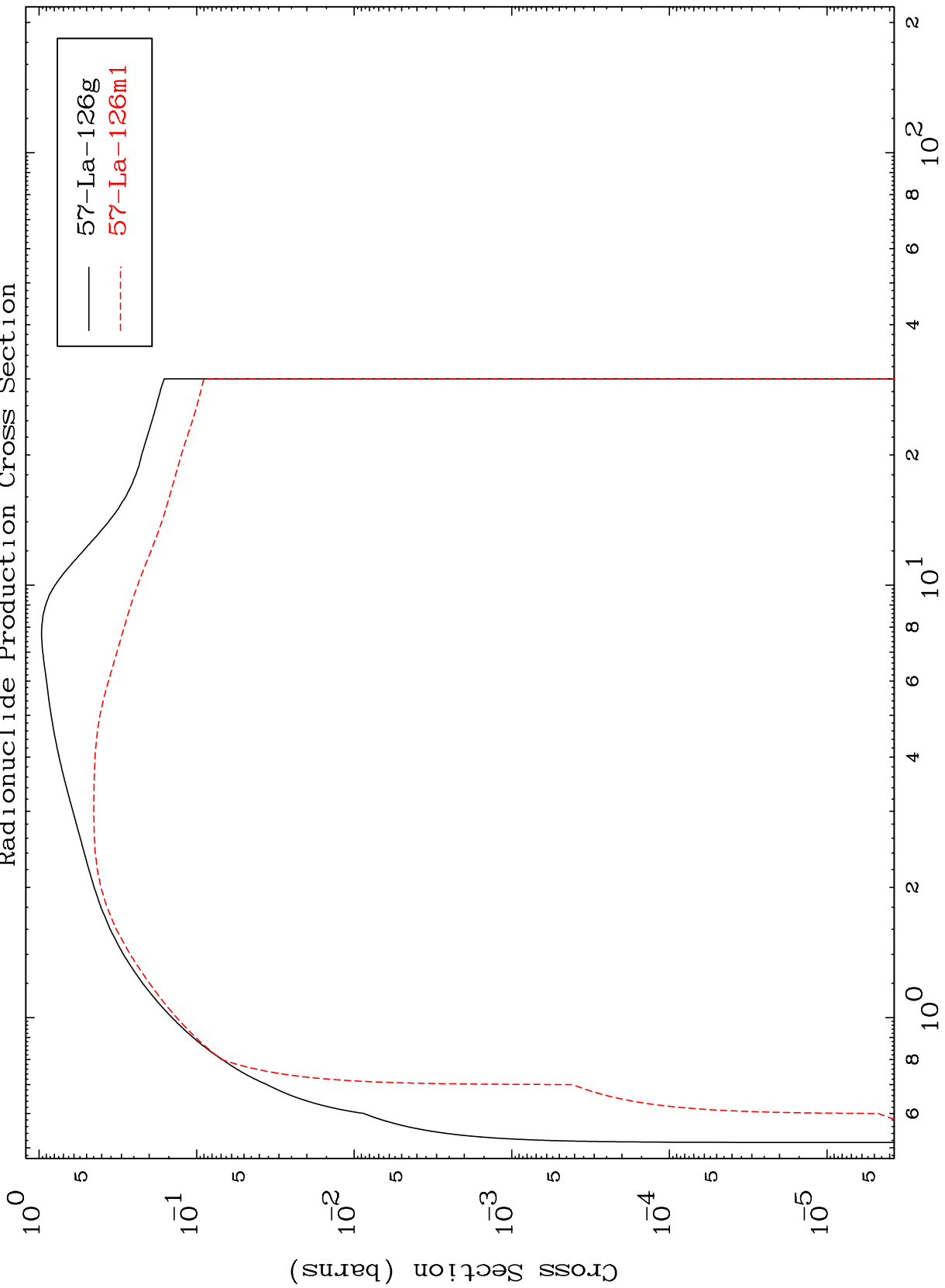
Incident Energy (MeV)

57-La-126

MAT 5689

57-La-126

Inelastic  
Radionuclide Production Cross Section



— 57-La-126g  
- - - 57-La-126m1

102

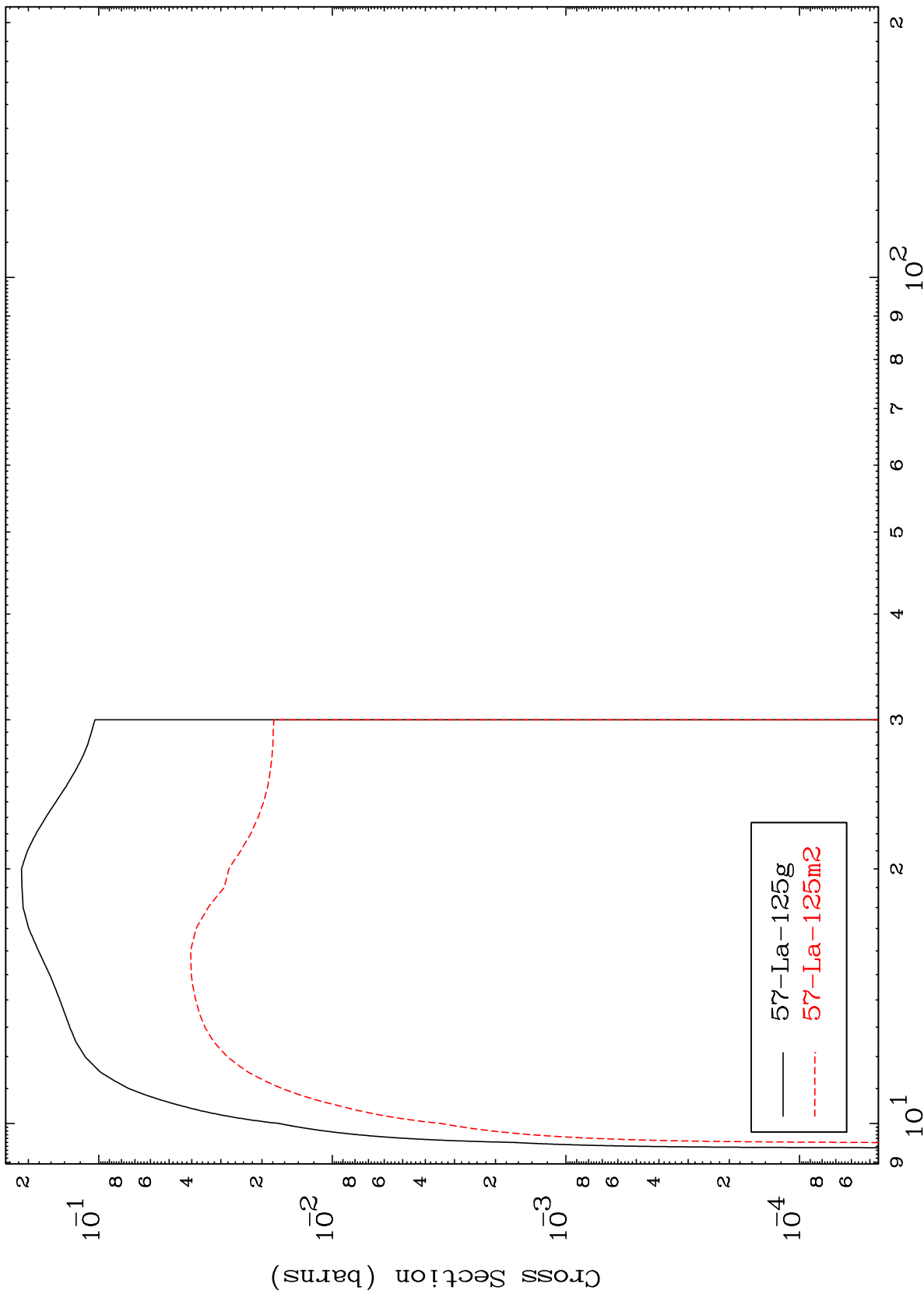
Incident Energy (MeV)

57-La-126

MAT 5689

57-La-126

(n,2n)  
Radionuclide Production Cross Section



57-La-126

Incident Energy (MeV)

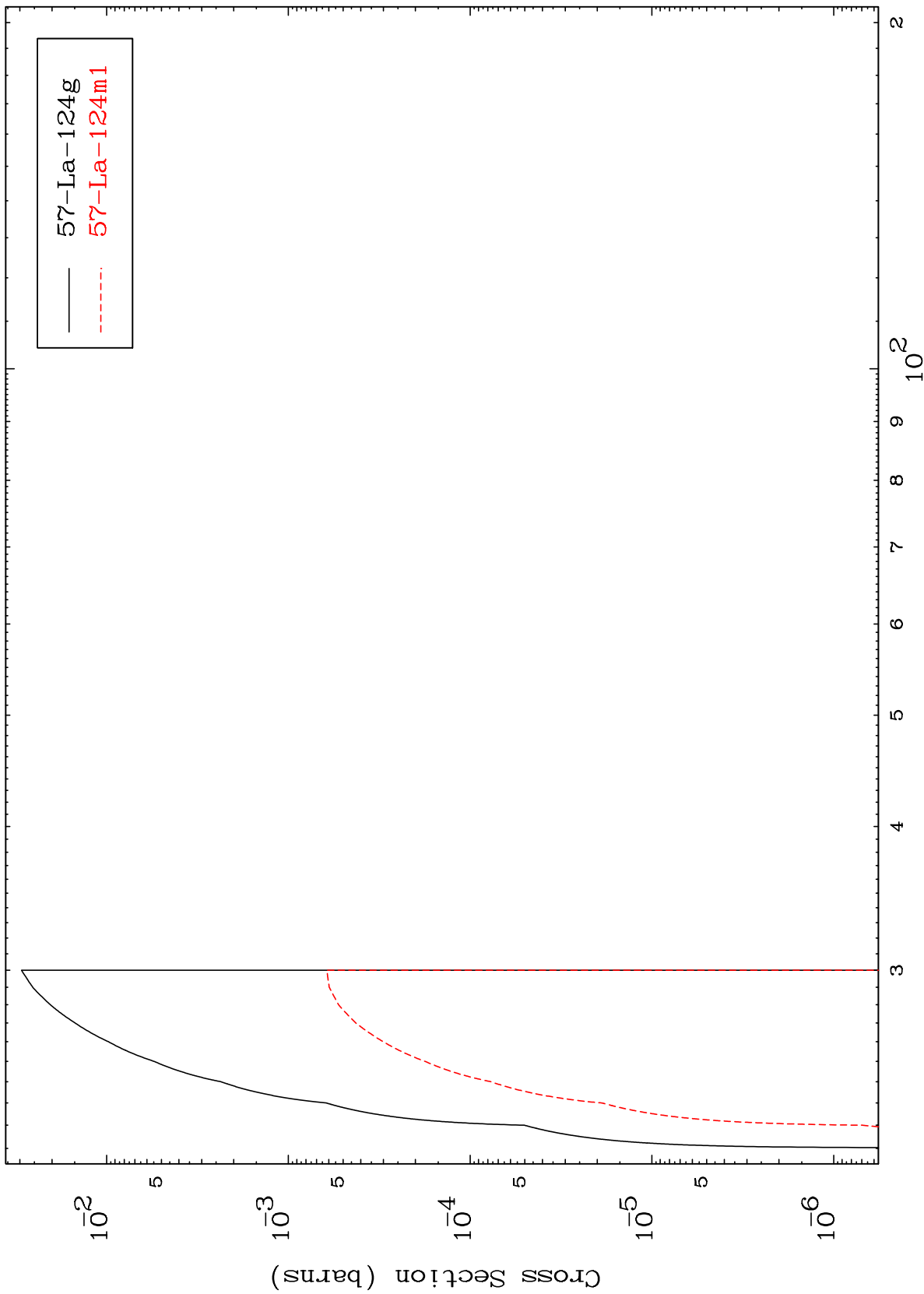
103



MAT 5689

57-La-126

(n,3n)  
Radionuclide Production Cross Section



104

57-La-126

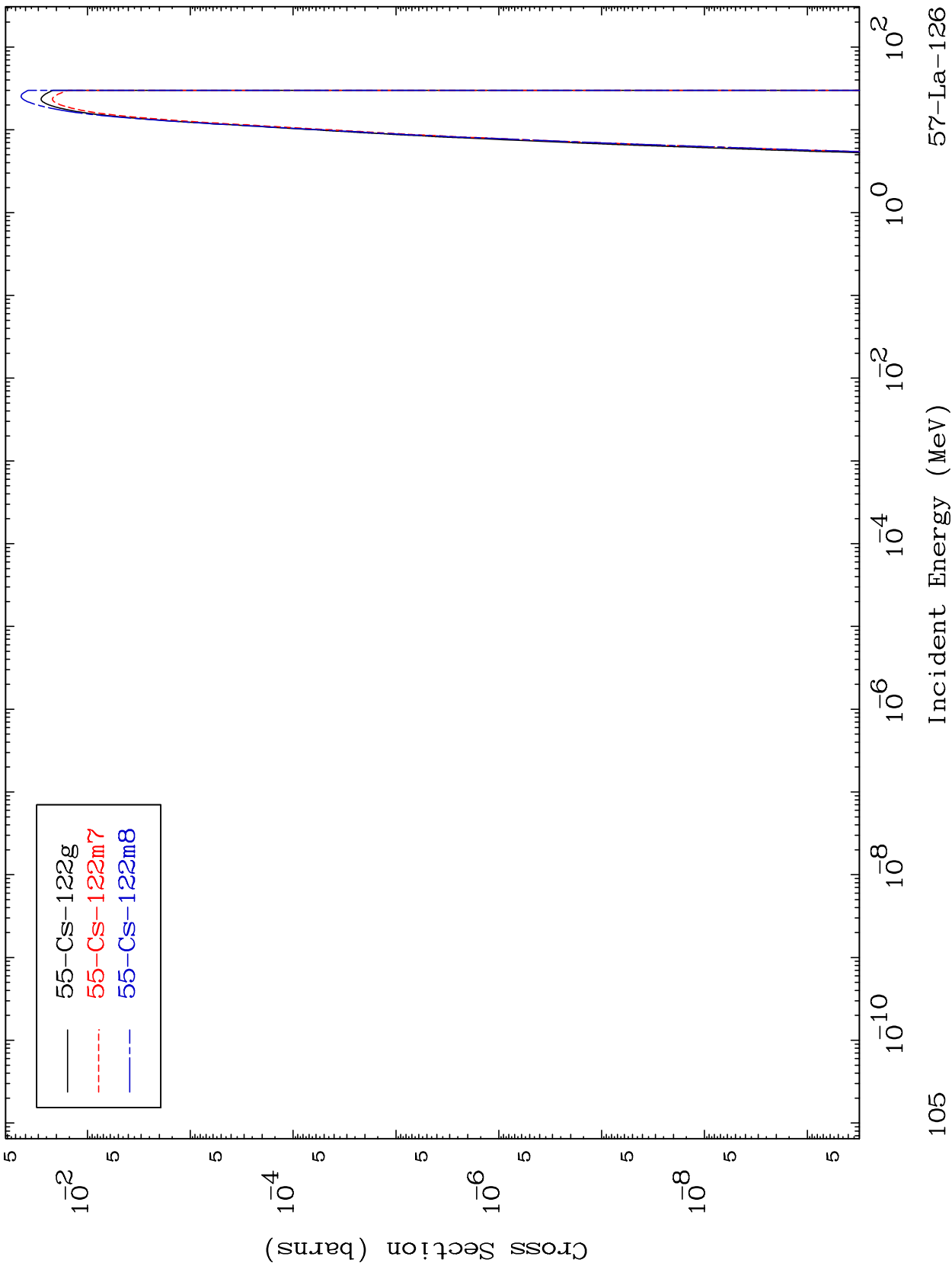
Incident Energy (MeV)

MAT 5689

$(n, n')$   $\alpha$

57-La-126

Radionuclide Production Cross Section



55-Cs-122g  
55-Cs-122m7  
55-Cs-122m8

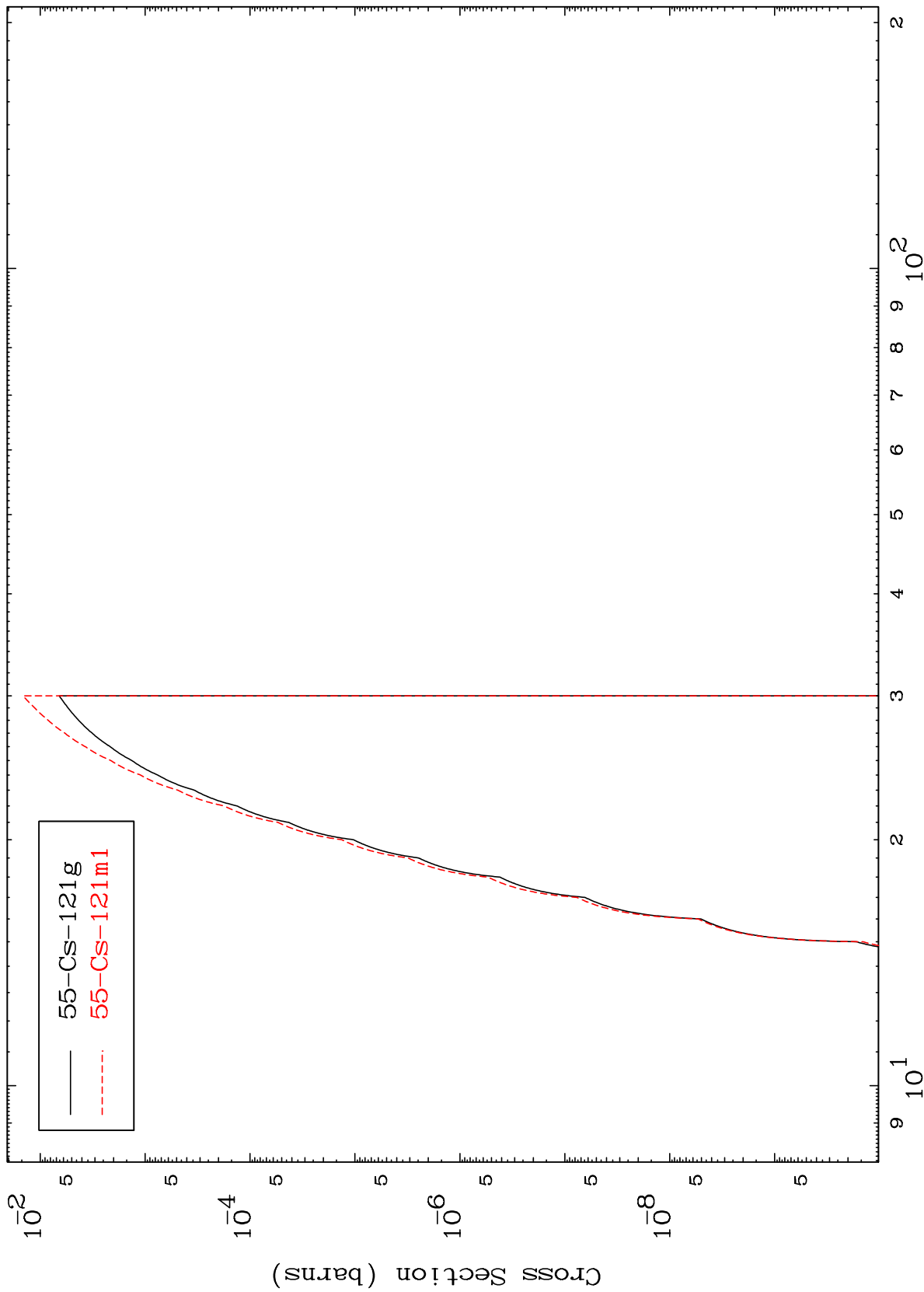
105

MAT 5689

(n,2n)  $\alpha$

57-La-126

Radionuclide Production Cross Section



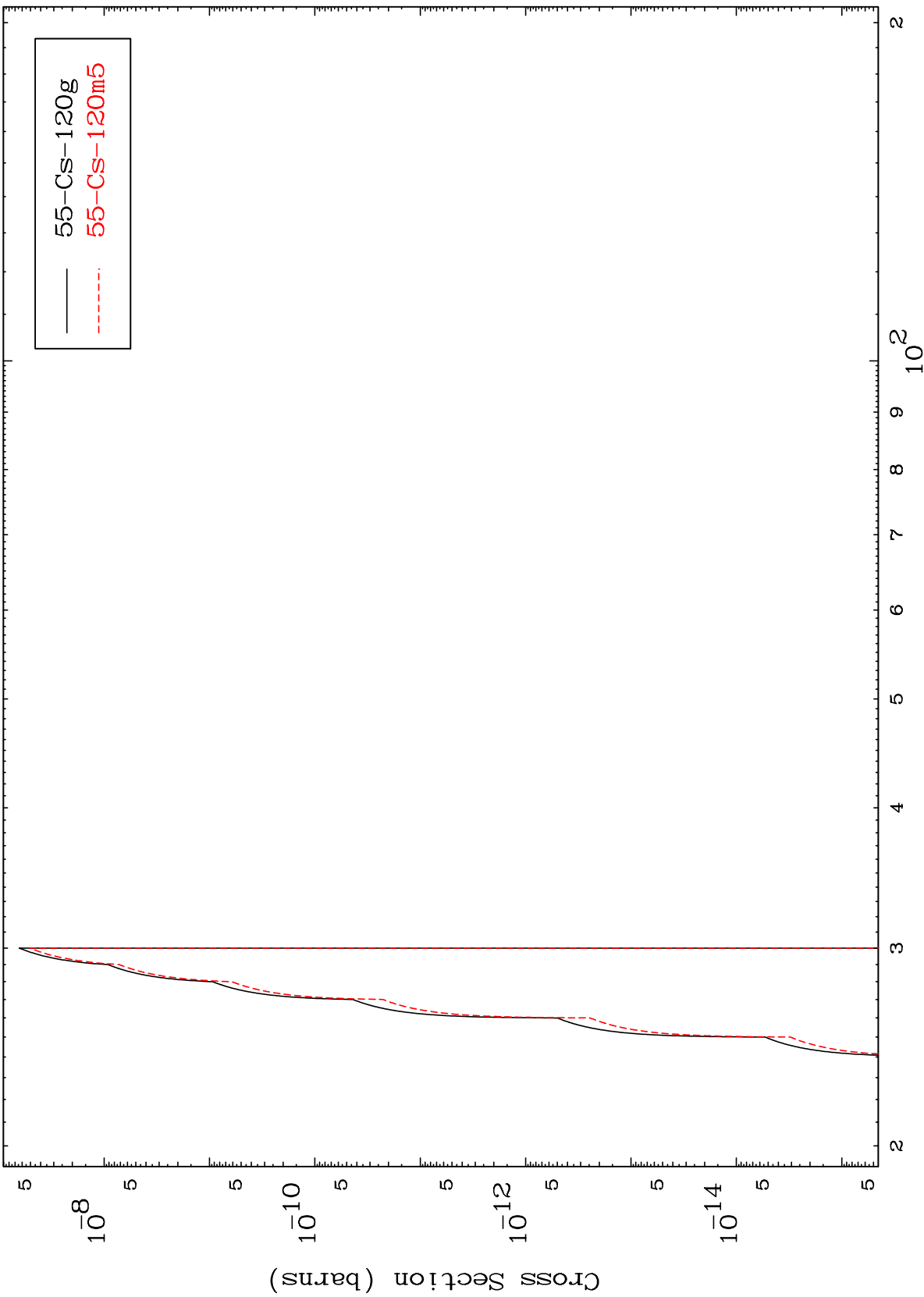
55-Cs-121g  
55-Cs-121m1

MAT 5689

(n,3n)  $\alpha$

57-La-126

Radionuclide Production Cross Section



107

Incident Energy (MeV)

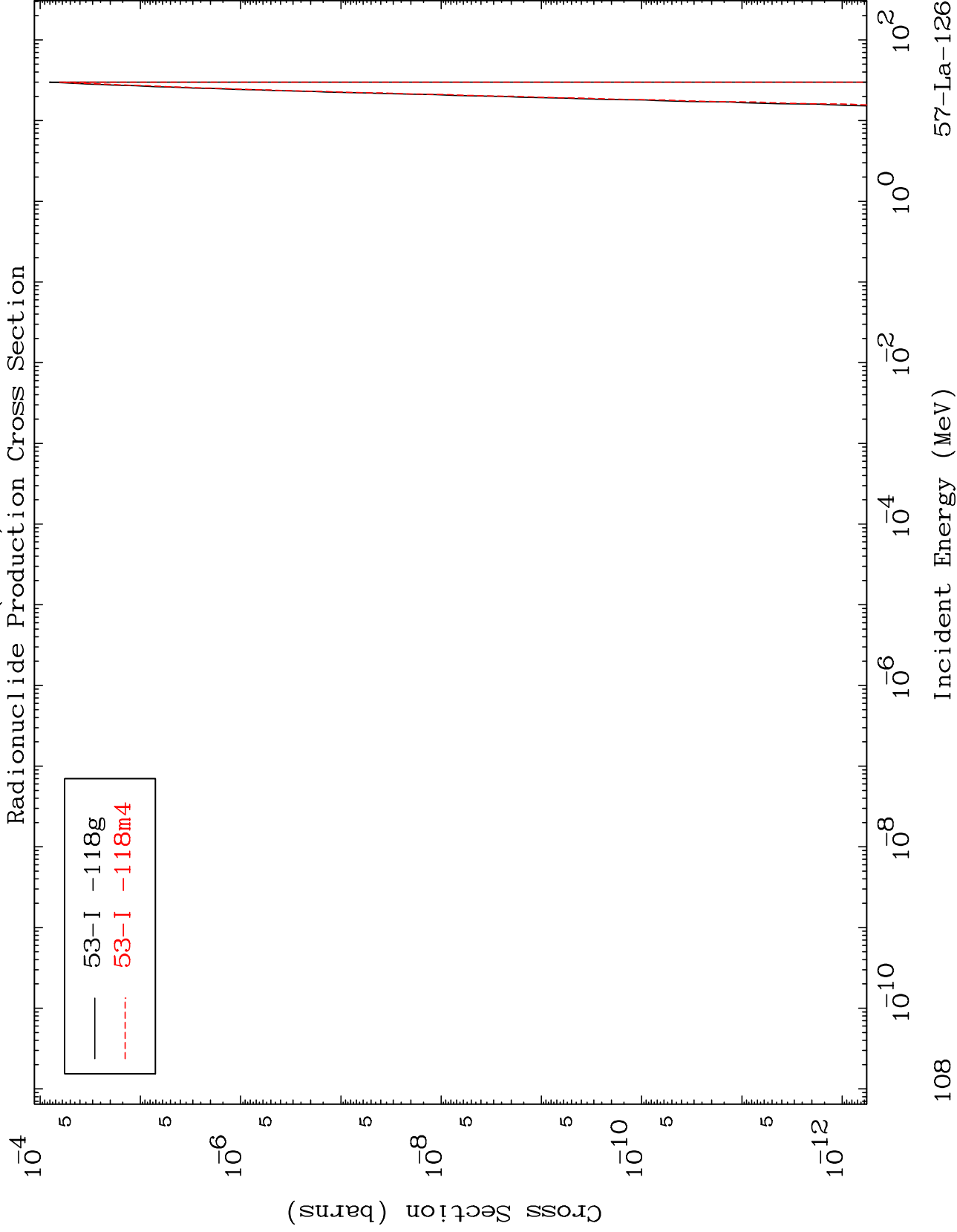
57-La-126

MAT 5689

(n,n') 2 $\alpha$

57-La-126

Radionuclide Production Cross Section



108

Incident Energy (MeV)

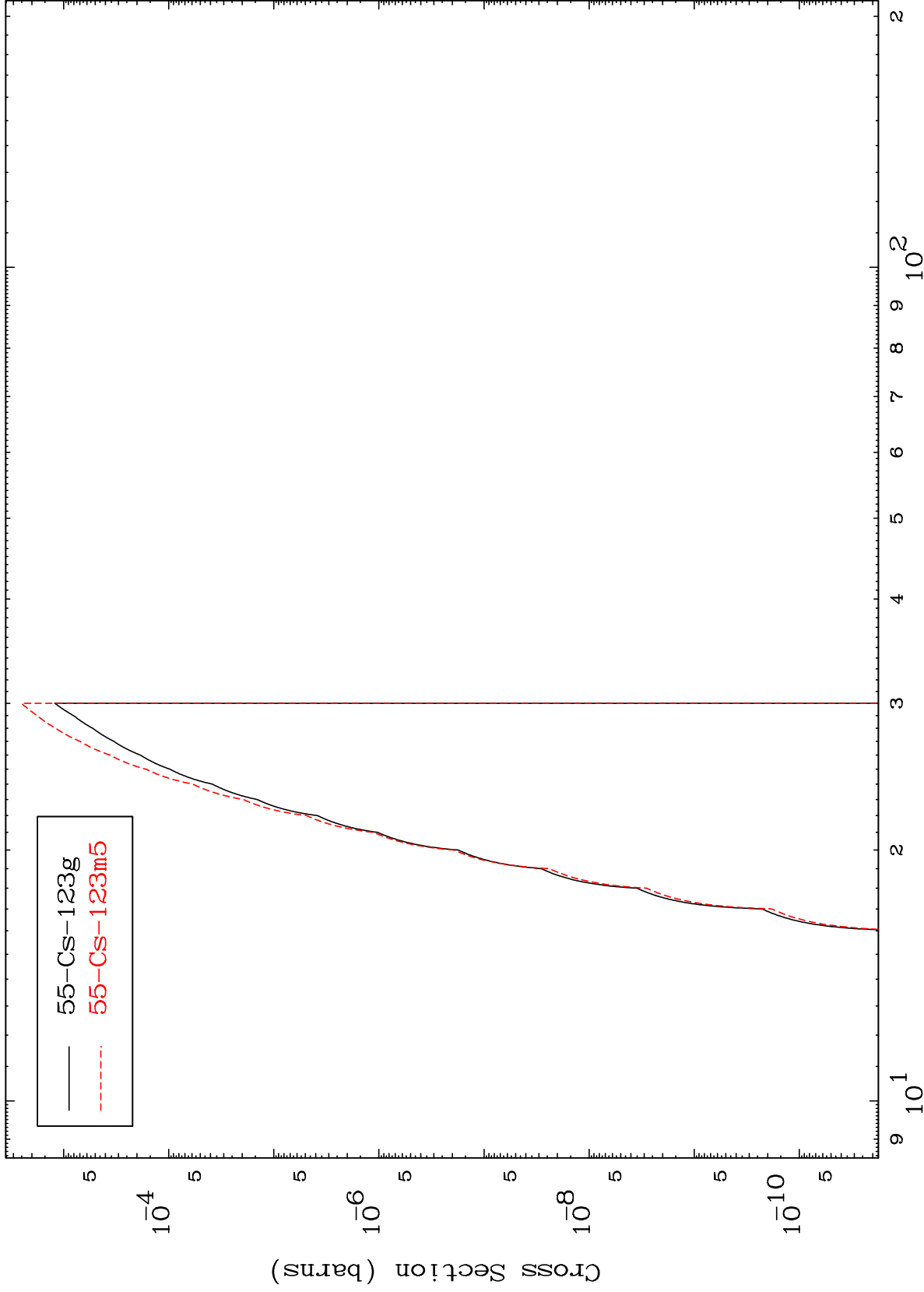
57-La-126

MAT 5689

(n,n') He-3

57-La-126

Radionuclide Production Cross Section



109

Incident Energy (MeV)

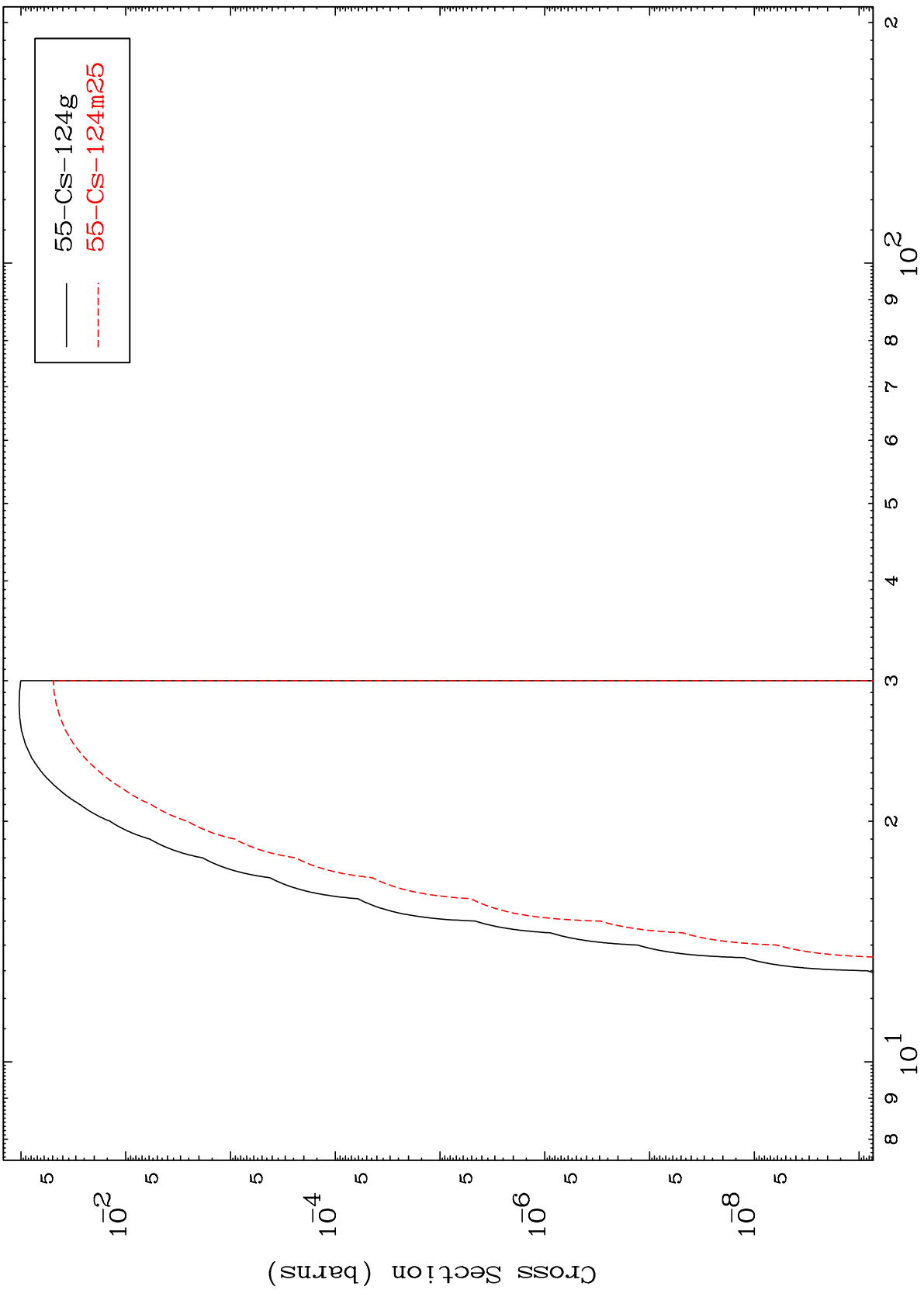
57-La-126

MAT 5689

(n,2n) p

57-La-126

Radionuclide Production Cross Section



110

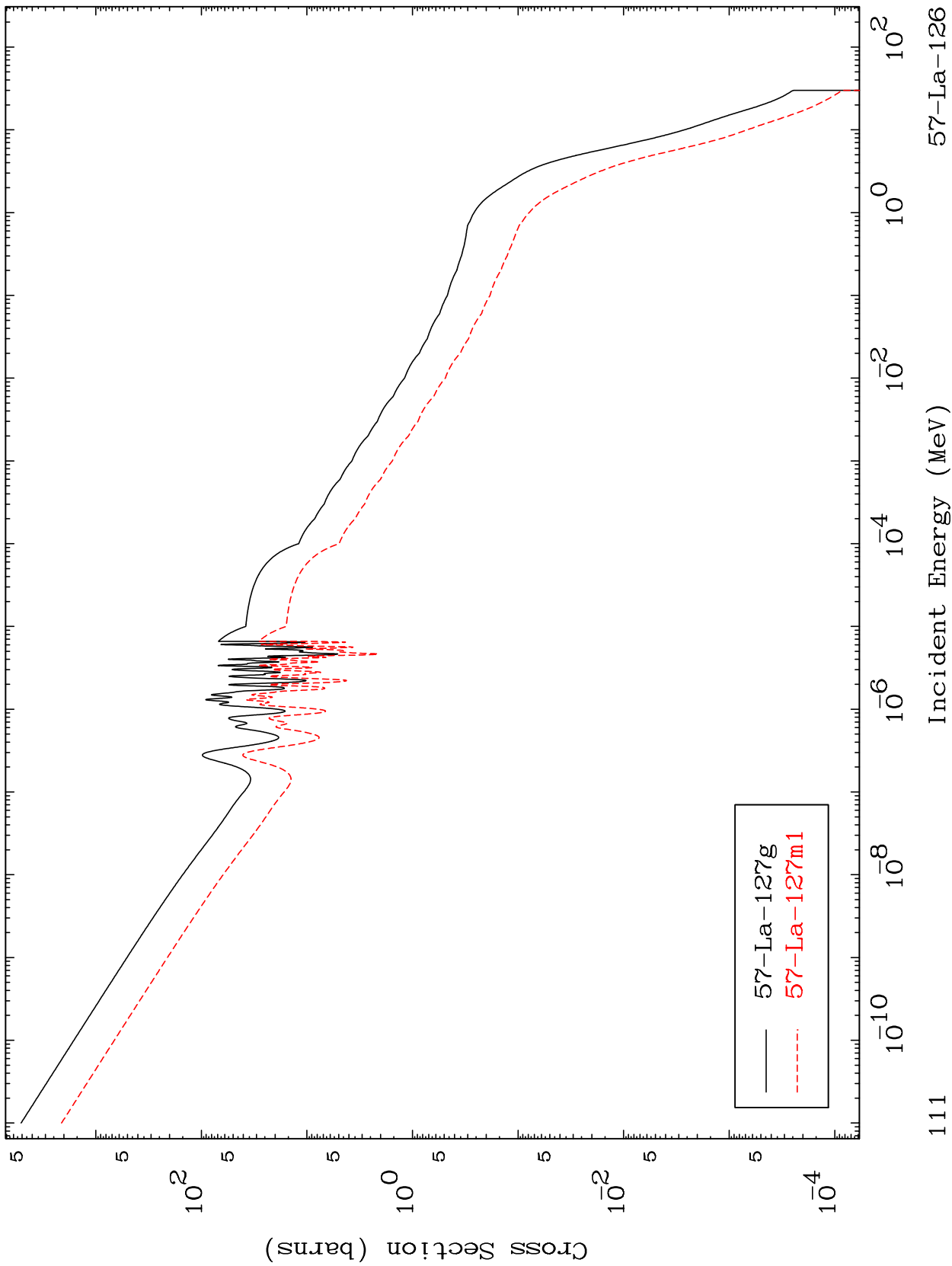
Incident Energy (MeV)

57-La-126

MAT 5689

57-La-126

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



111

57-La-126

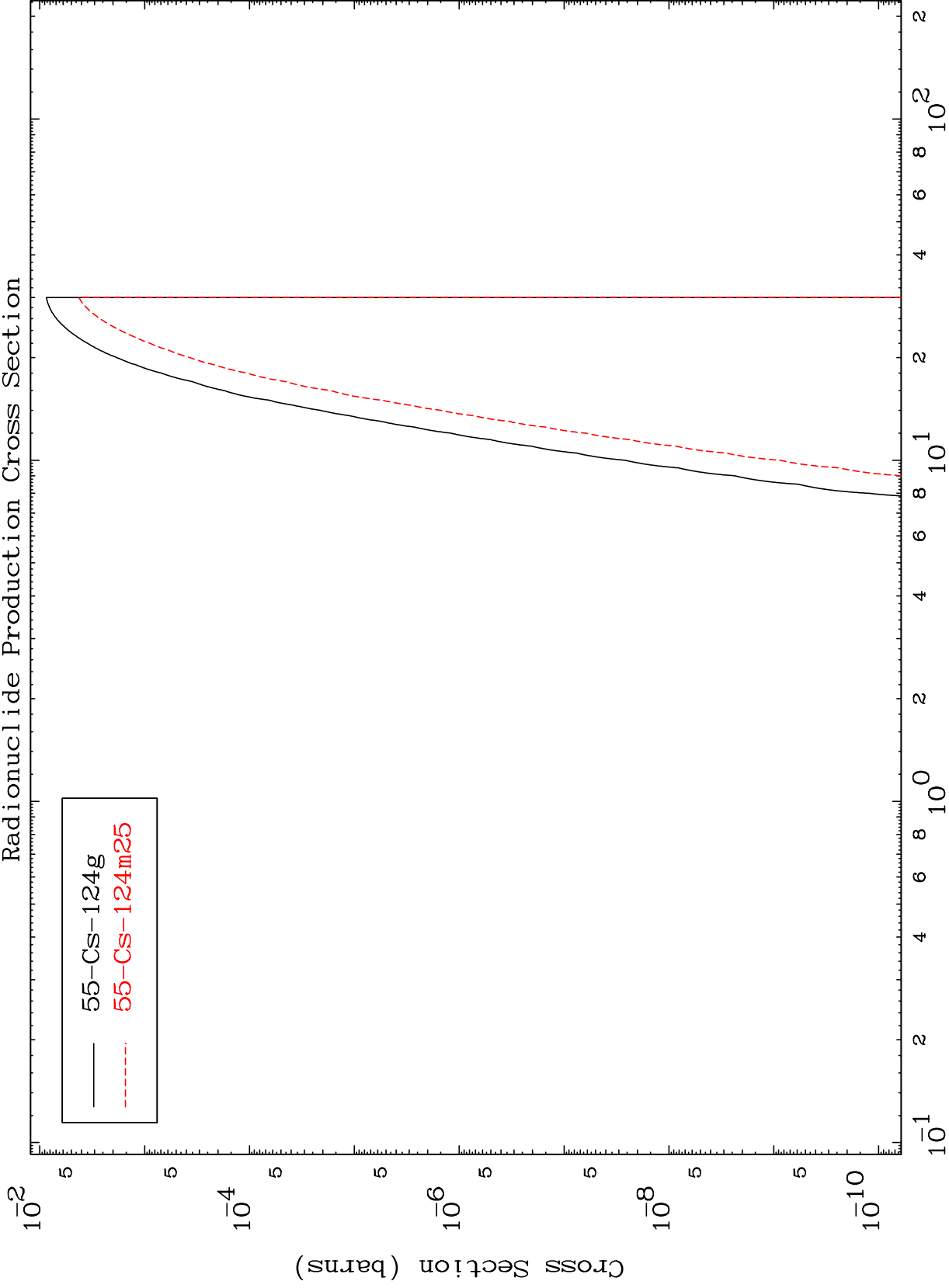


MAT 5689

(n,He-3)

57-La-126

Radionuclide Production Cross Section



112

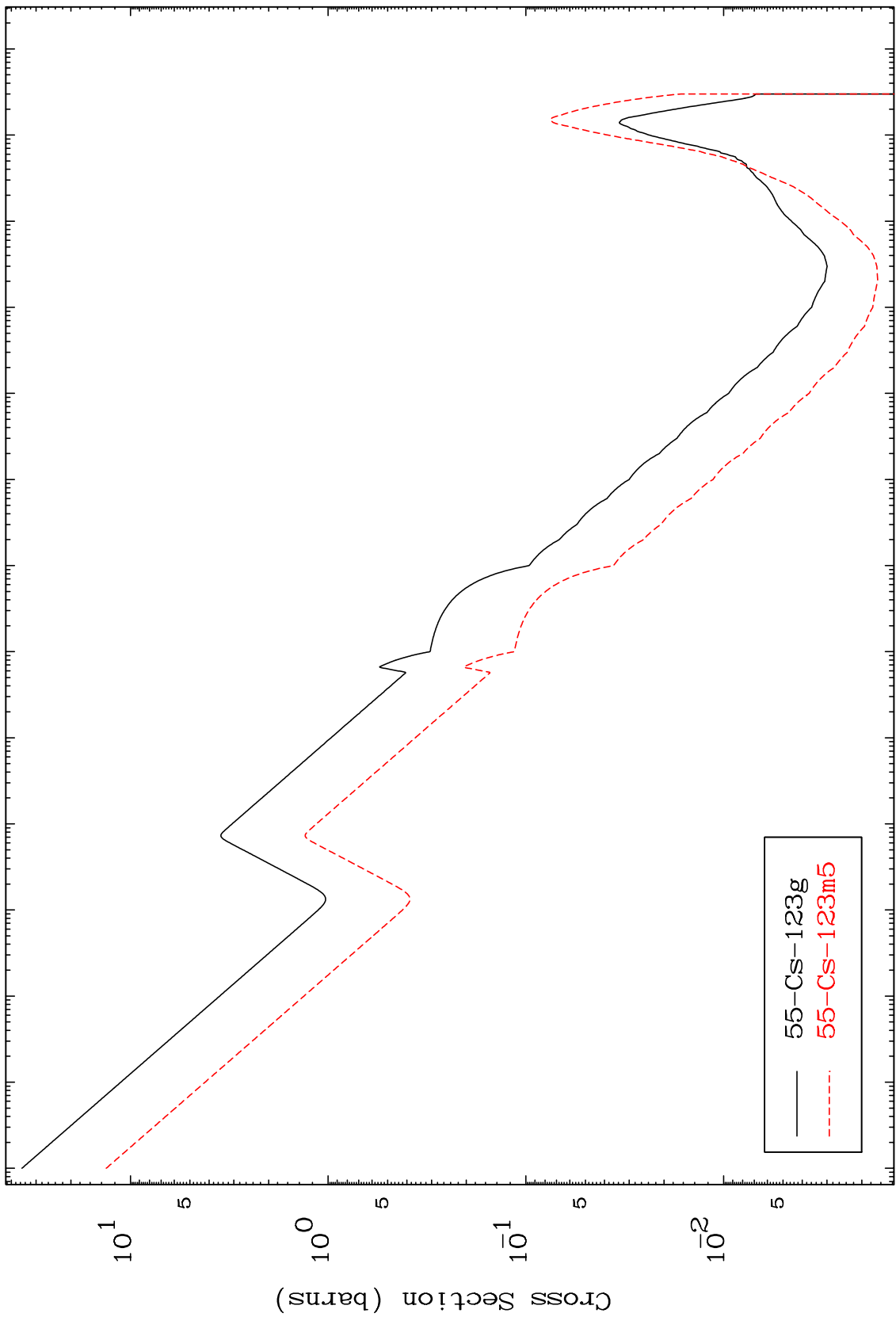
Incident Energy (MeV)

57-La-126

MAT 5689

57-La-126

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



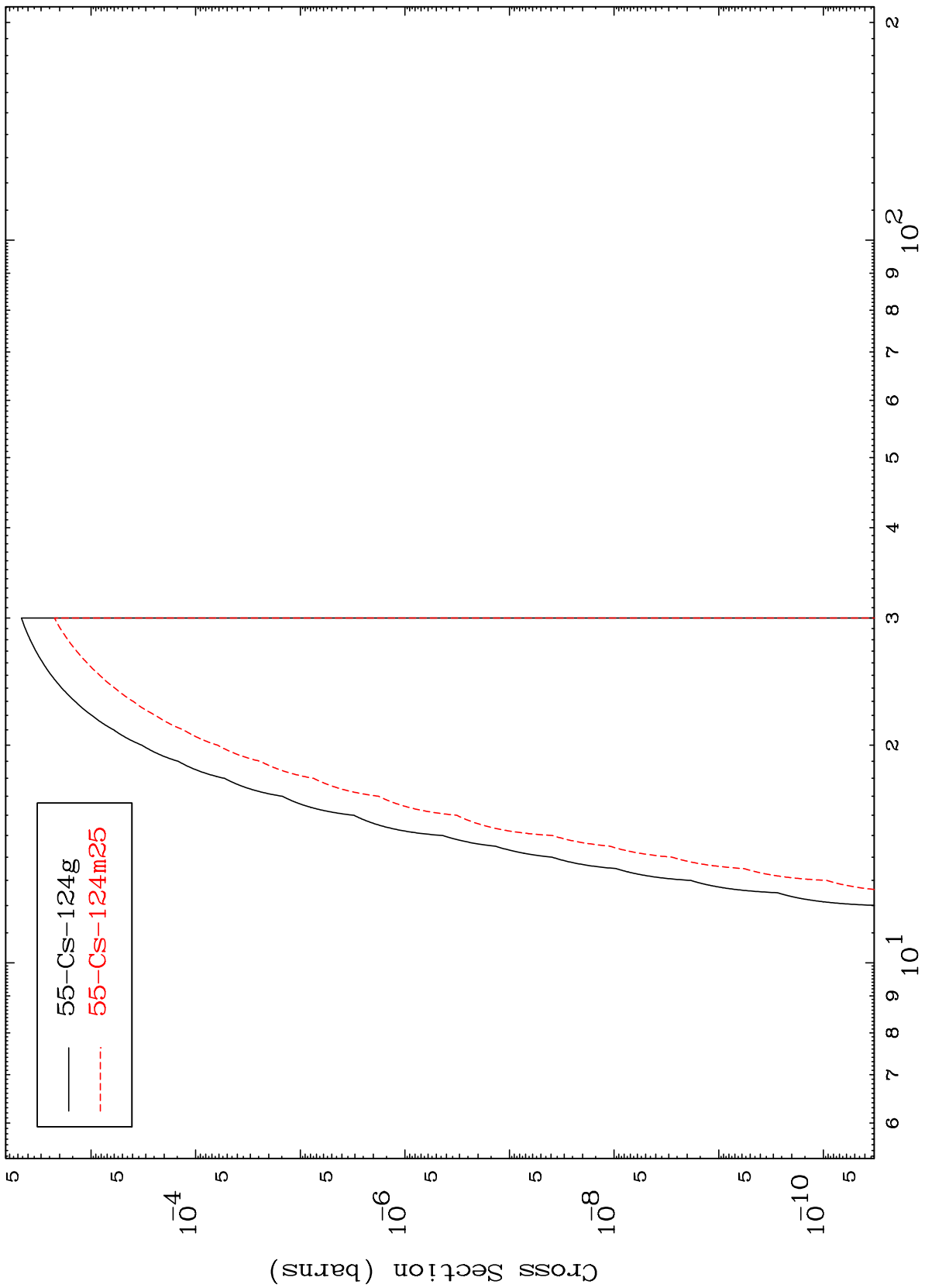
— 55-Cs-123g  
- - - 55-Cs-123m5

MAT 5689

(n,p) d

57-La-126

Radionuclide Production Cross Section



55-Cs-124g  
55-Cs-124m25

114

Incident Energy (MeV)

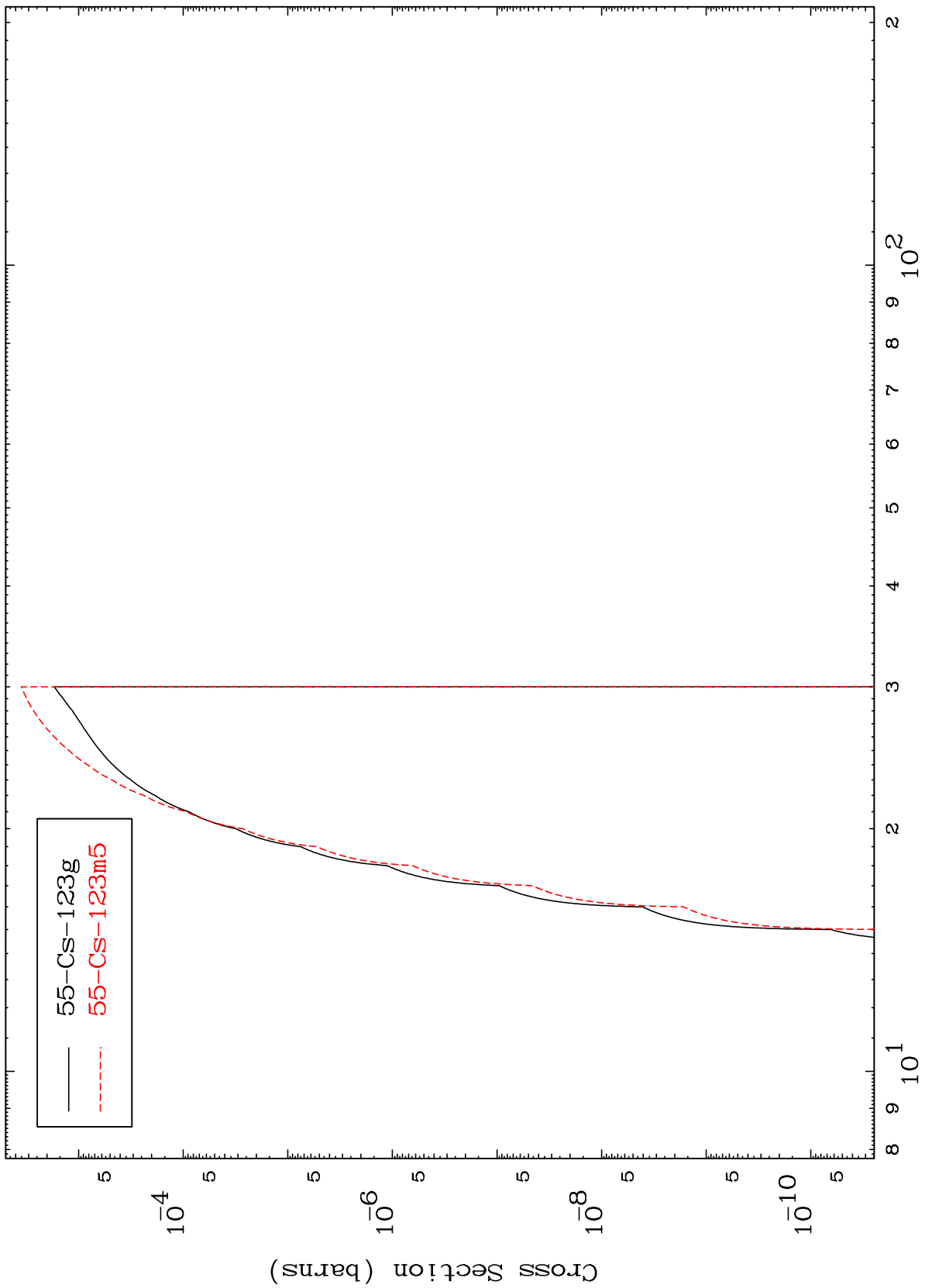
57-La-126

MAT 5689

(n,p) t

57-La-126

Radionuclide Production Cross Section



55-Cs-123g  
55-Cs-123m5

115

Incident Energy (MeV)

57-La-126