

Program EVALPLOT  
(Version 2021-1)

by

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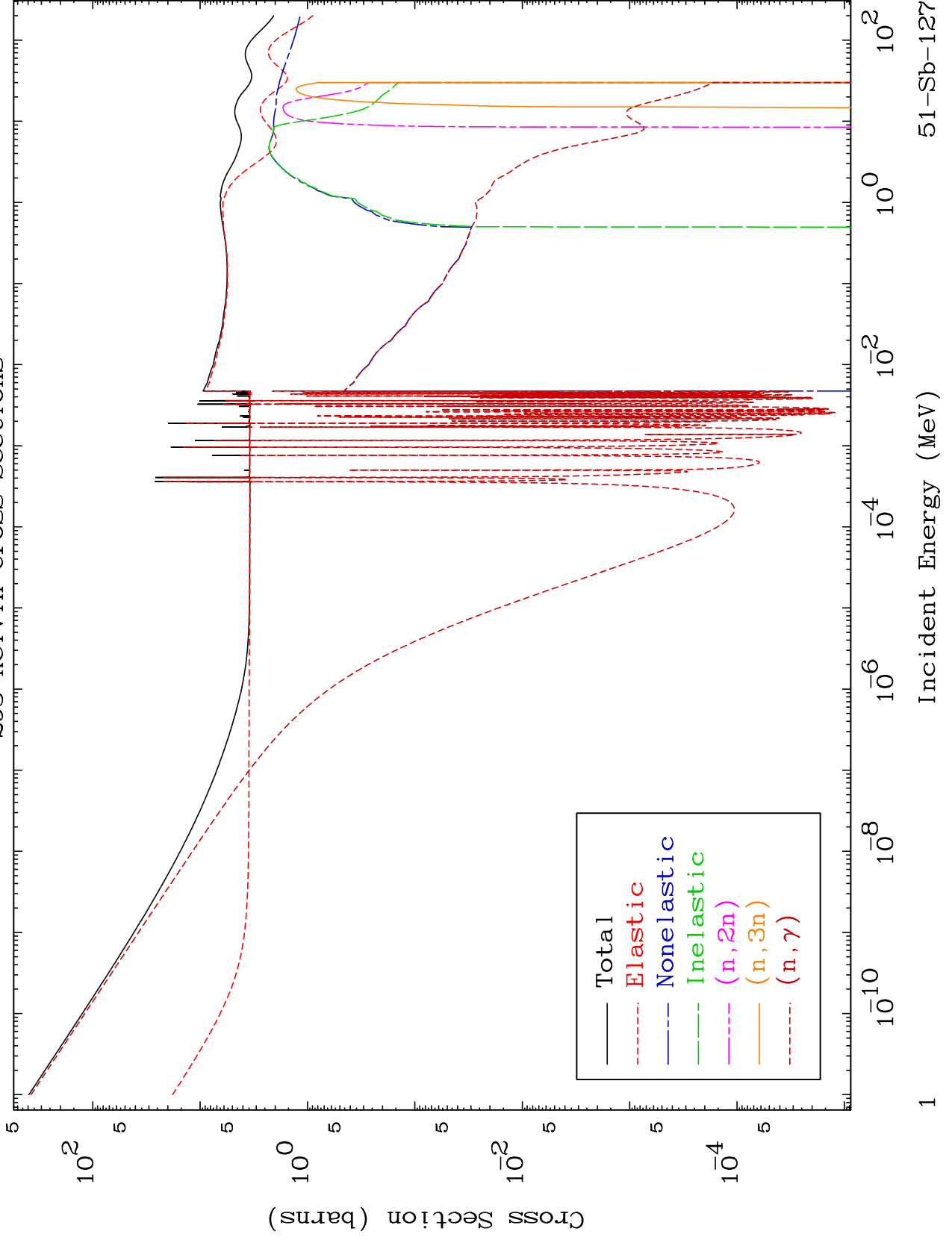
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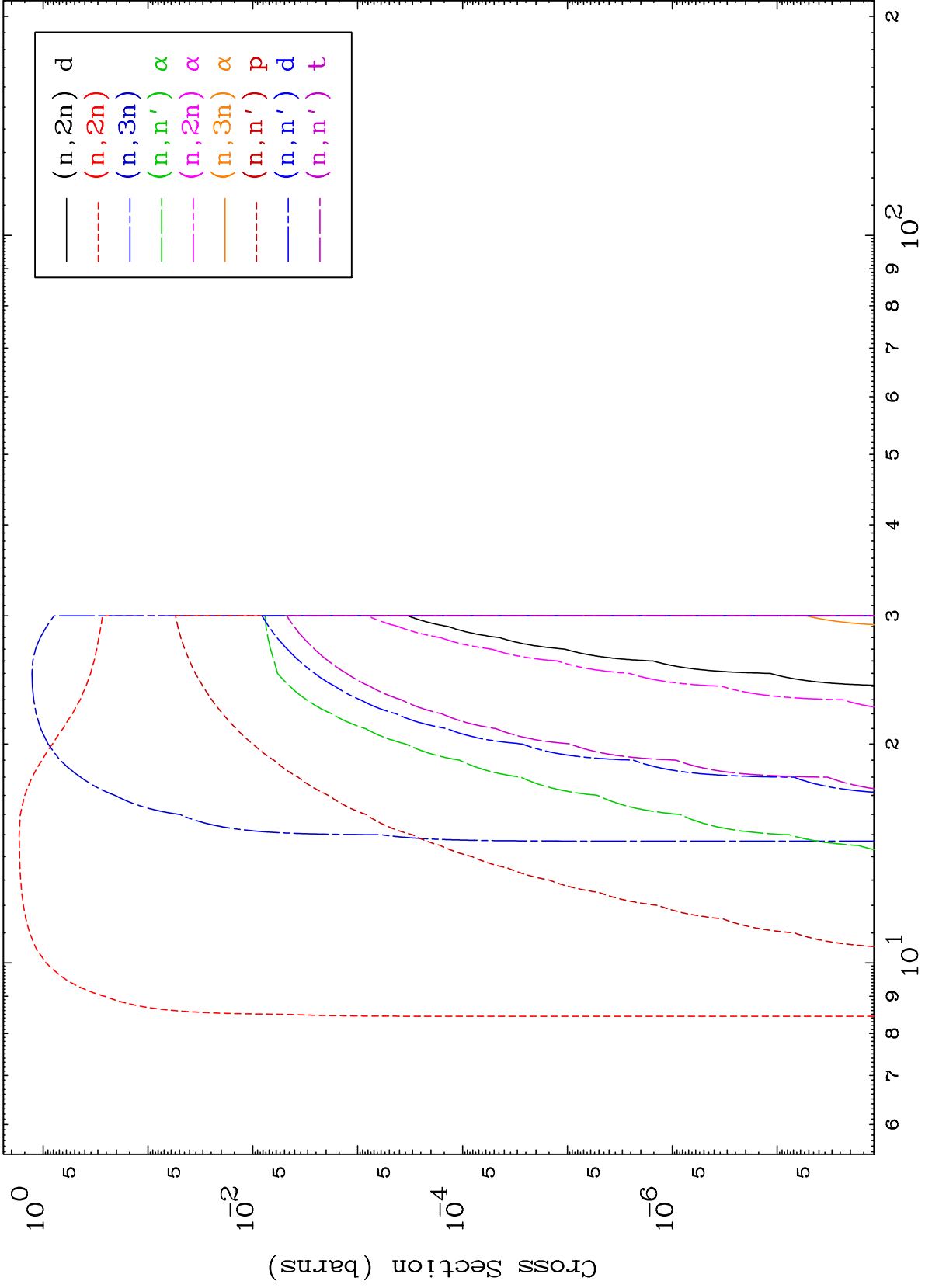
Press Mouse Button to Start

MAT 5143

Neutron Major  
293 Kelvin Cross Sections

51-Sb-127

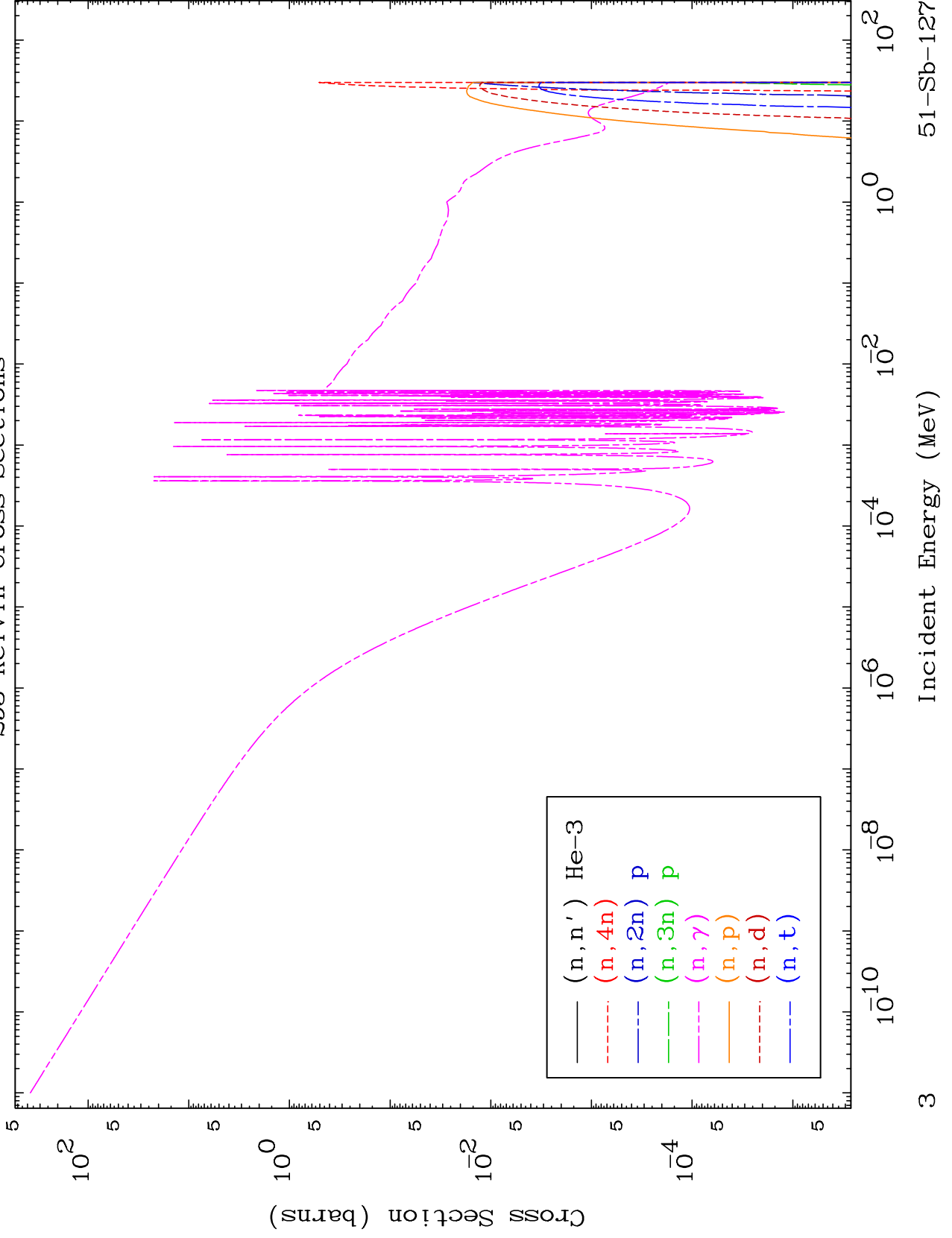




MAT 5143

Neutron Absorption  
293 Kelvin Cross Sections

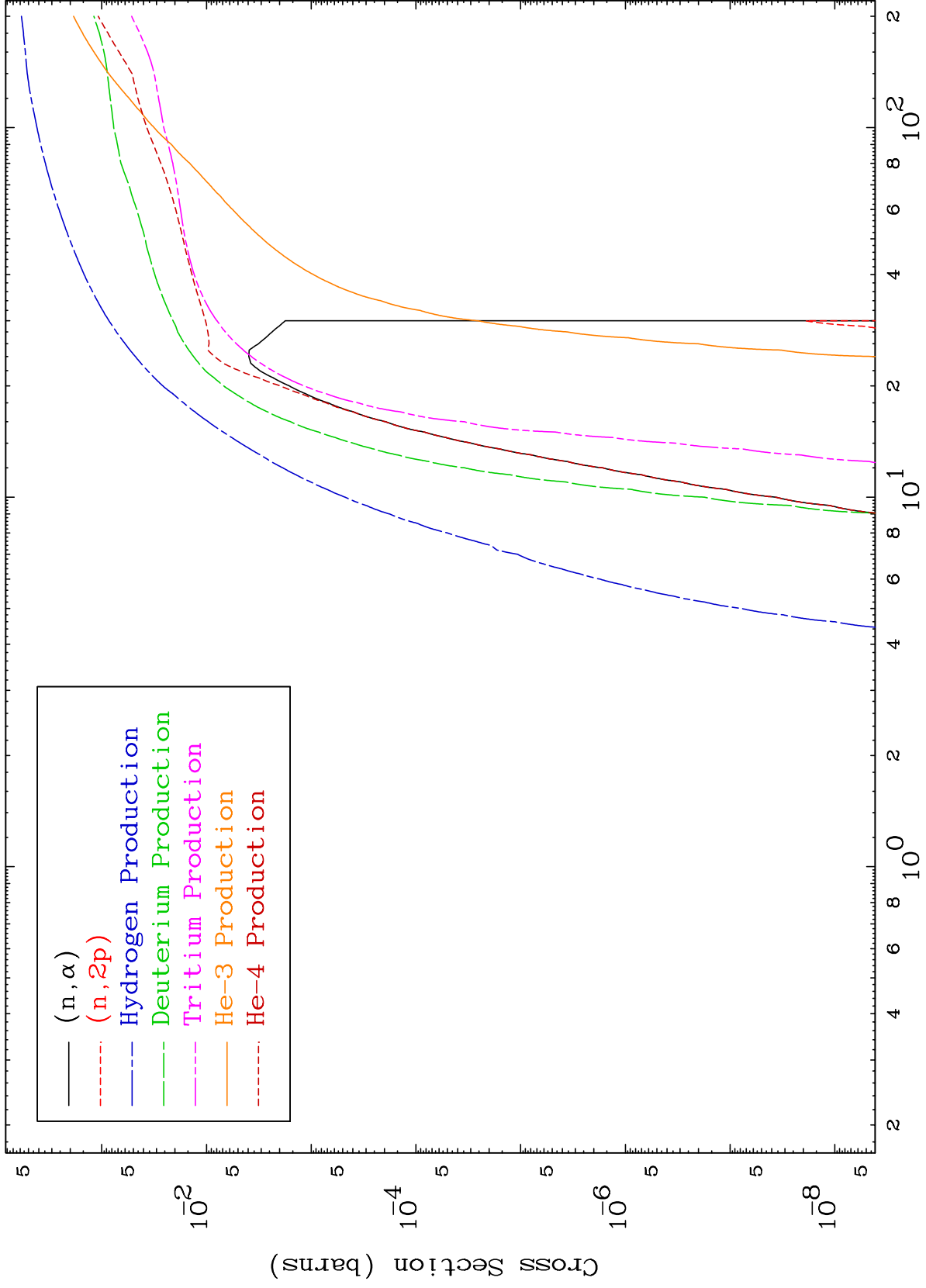
51-Sb-127



MAT 5143

Neutron Absorption  
293 Kelvin Cross Sections

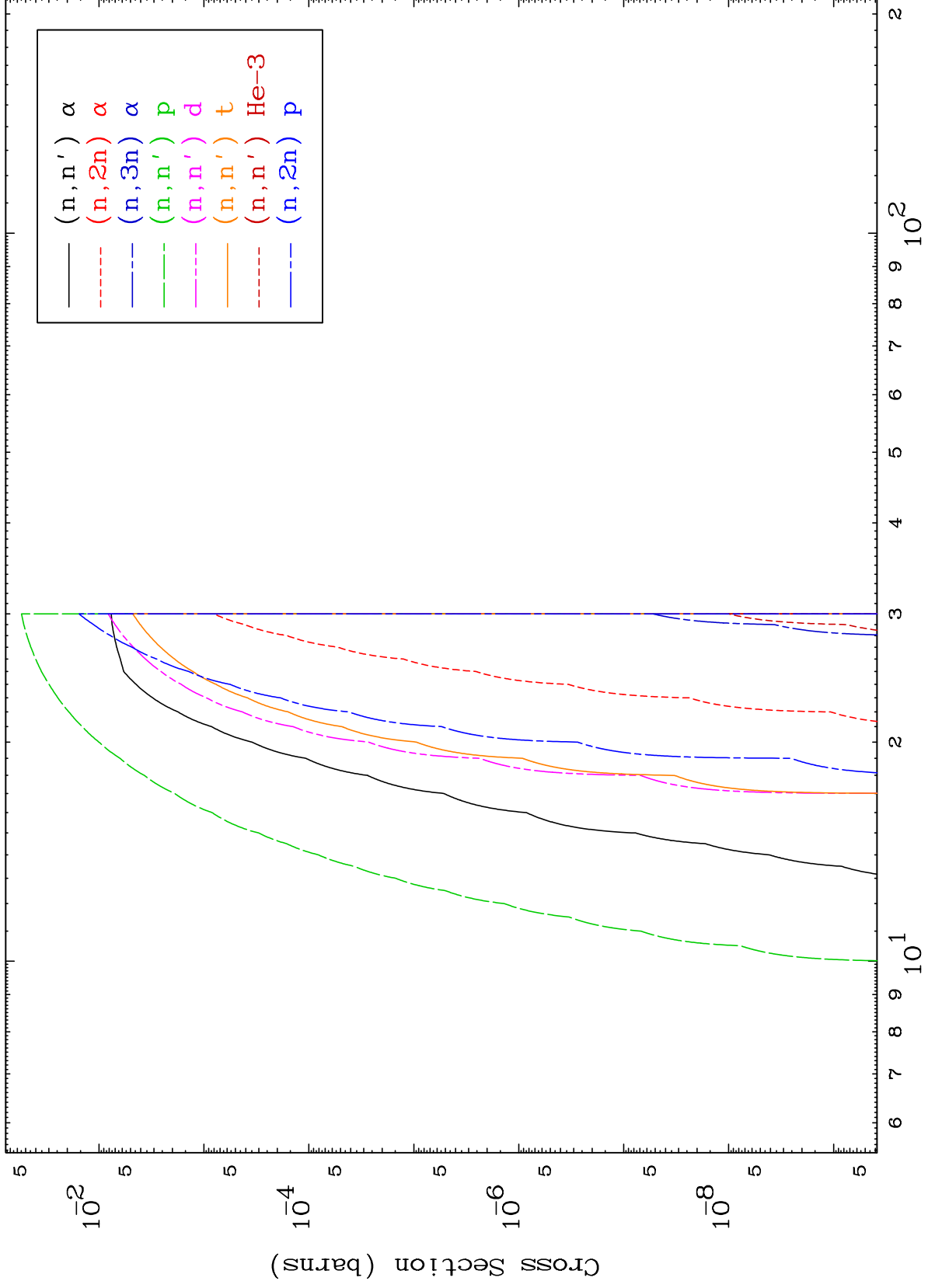
51-Sb-127

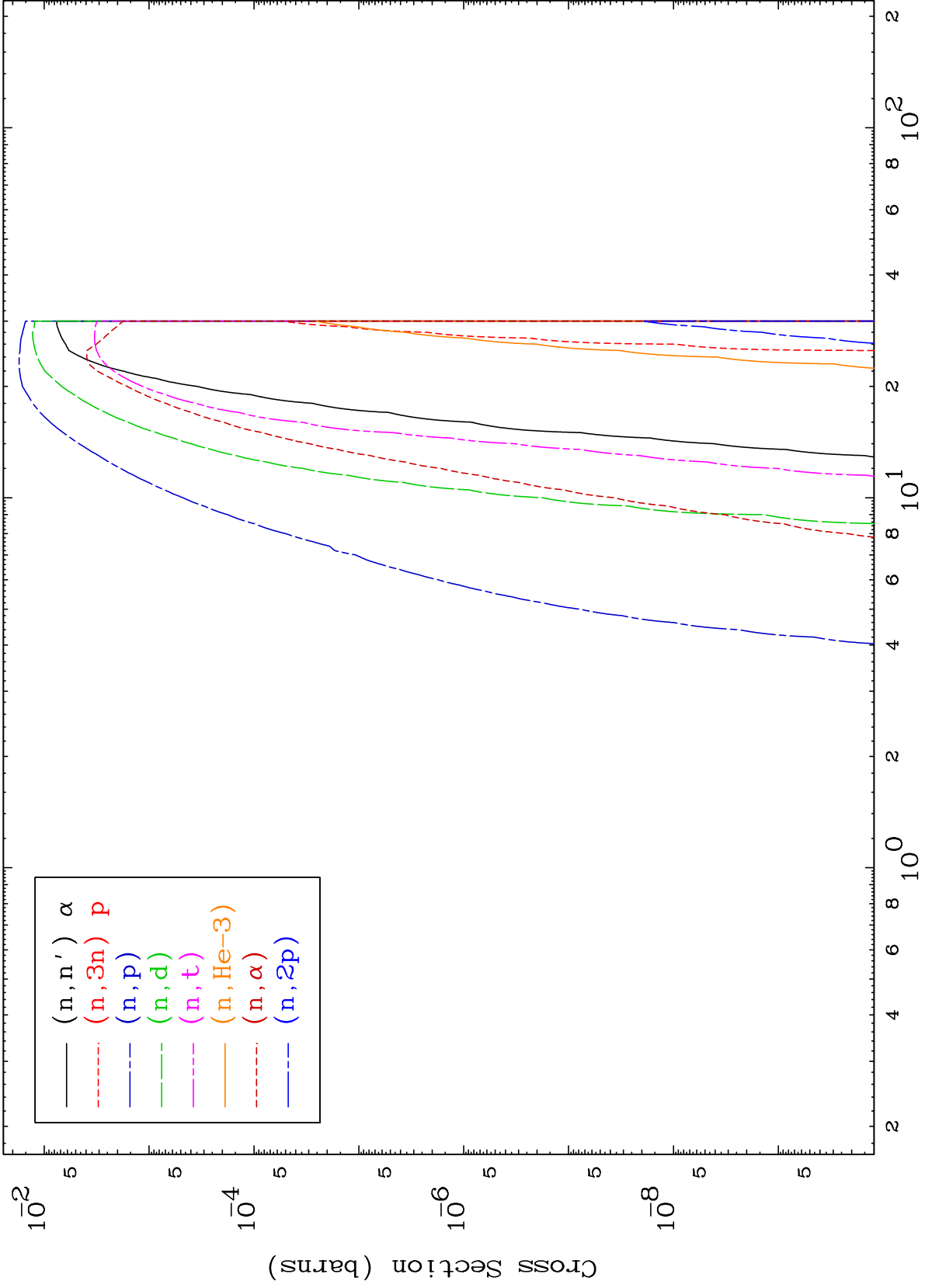


4

Incident Energy (MeV)

51-Sb-127

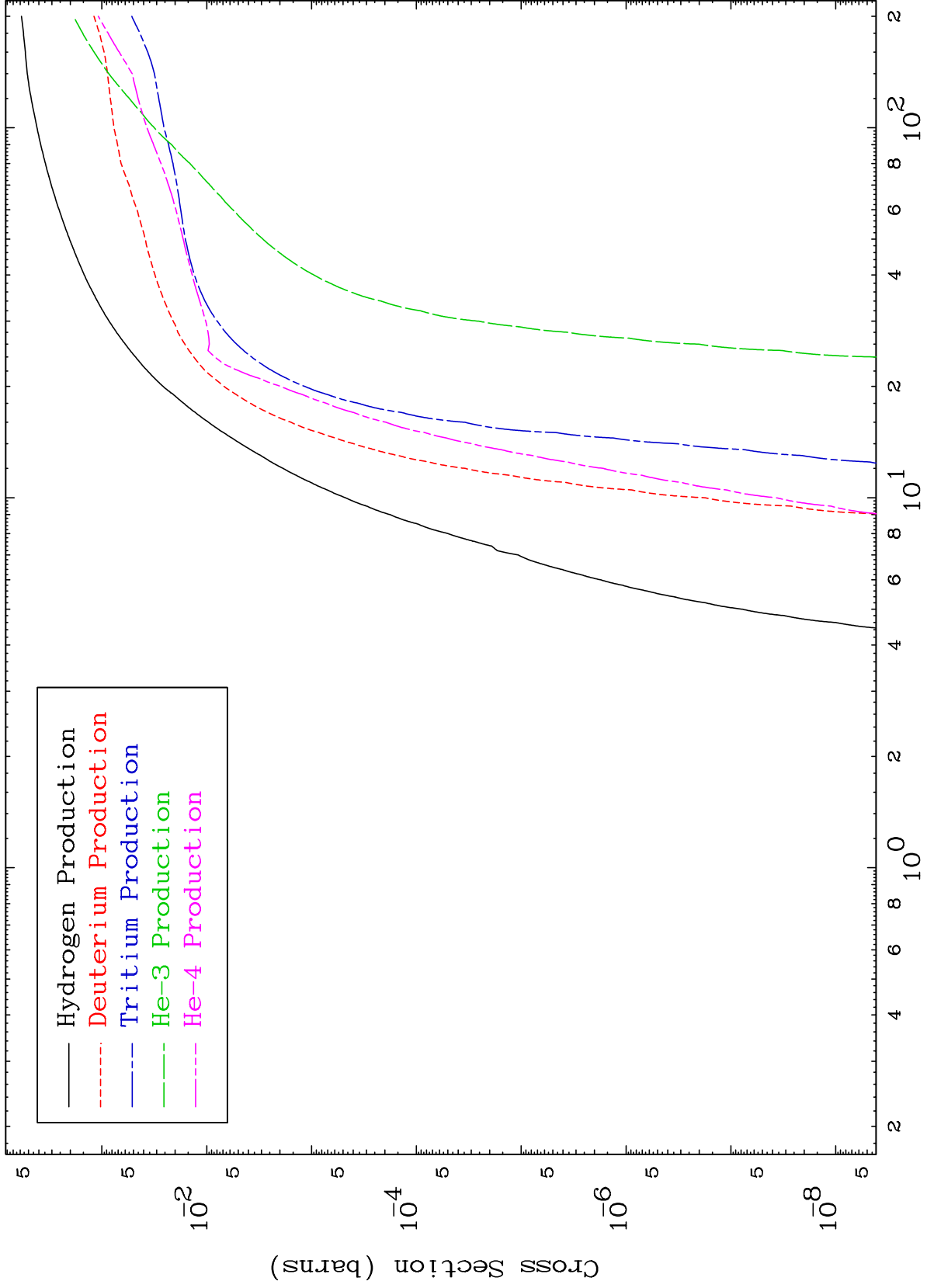




MAT 5143

Particle Production  
293 Kelvin Cross Sections

51-Sb-127



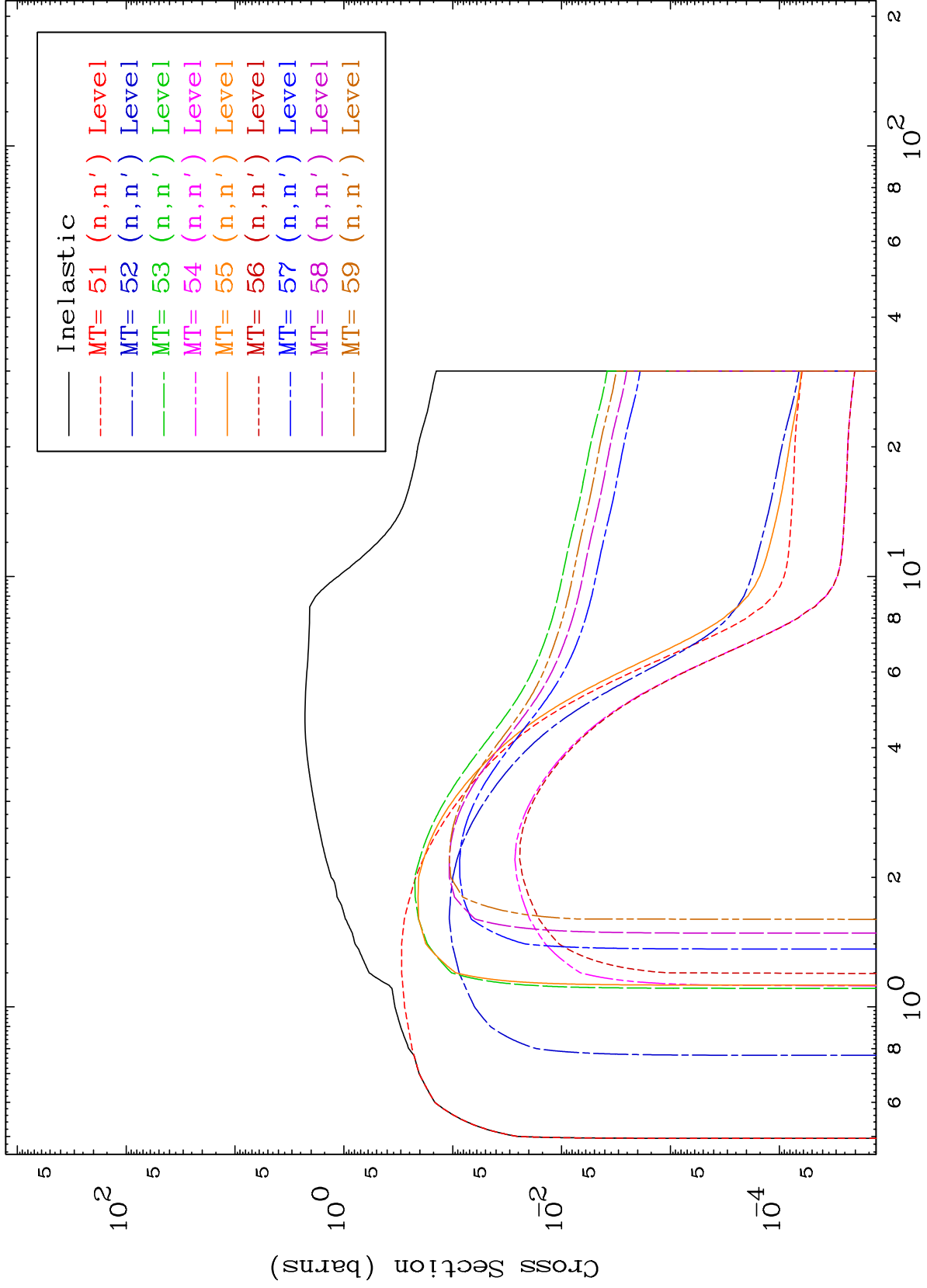
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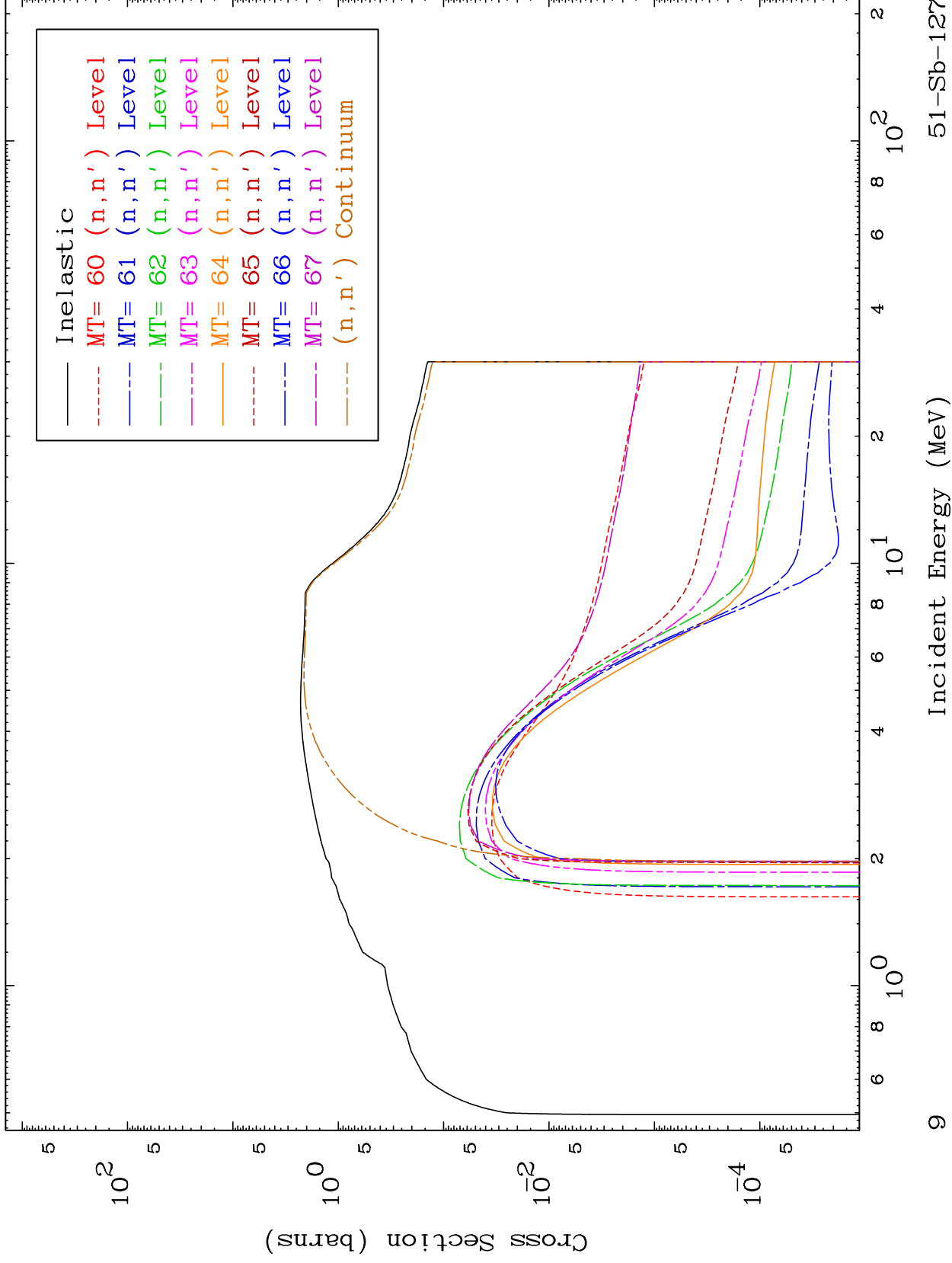
Incident Energy (MeV)

51-Sb-127



293 Kelvin Cross Sections

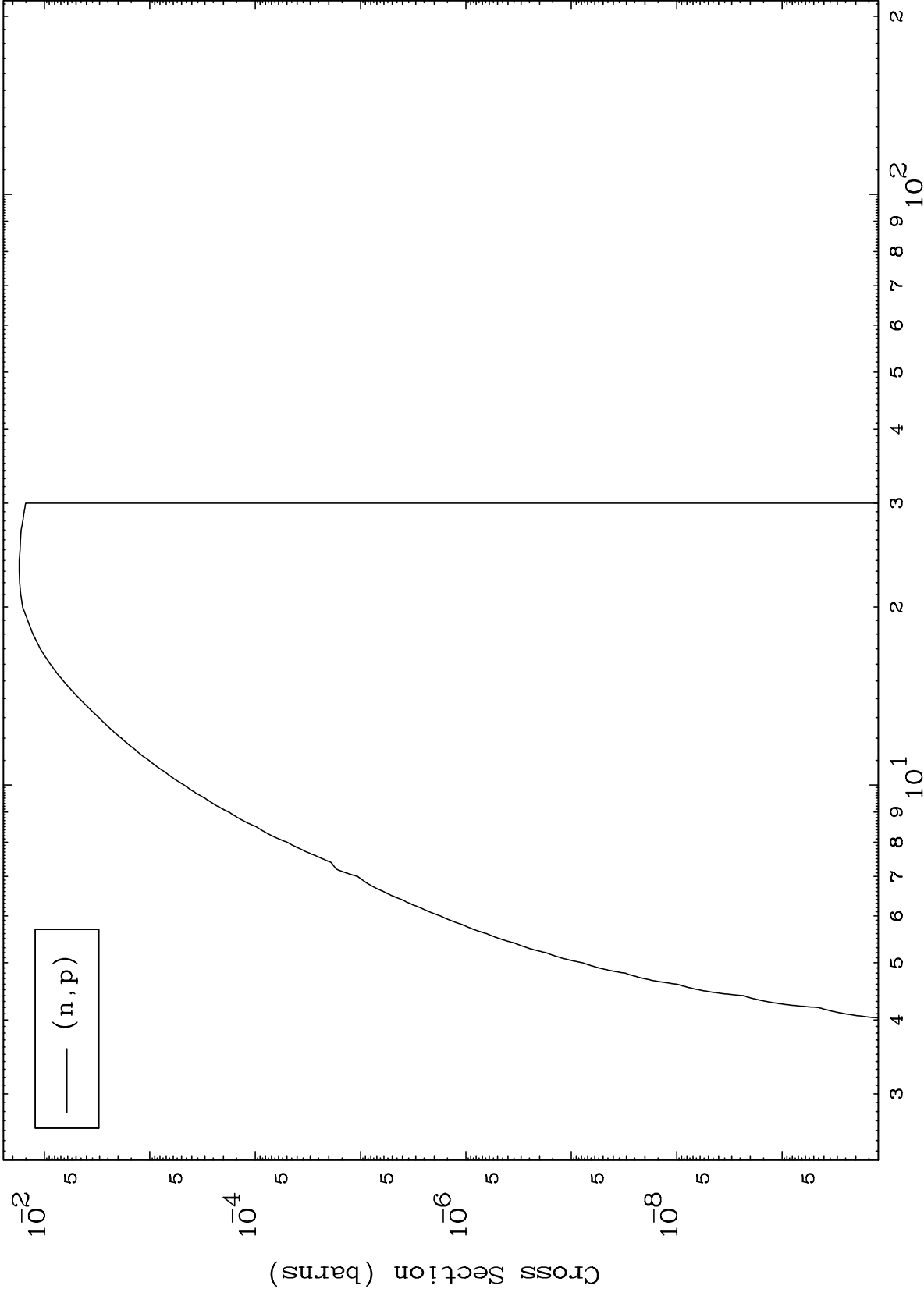




MAT 5143

(n,p) Levels  
293 Kelvin Cross Sections

51-Sb-127



10

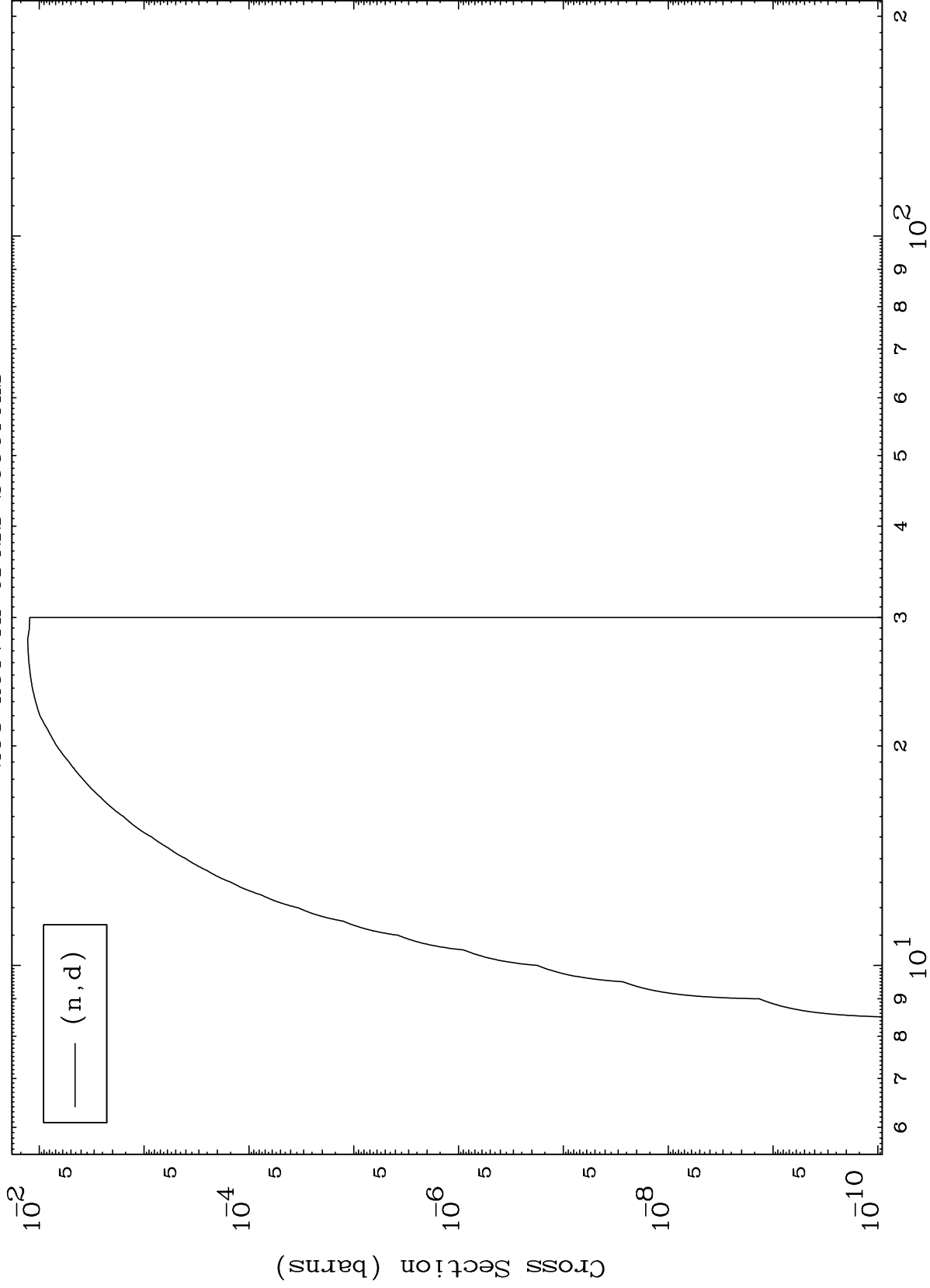
Incident Energy (MeV)

51-Sb-127

MAT 5143

(n,d) Levels  
293 Kelvin Cross Sections

51-Sb-127

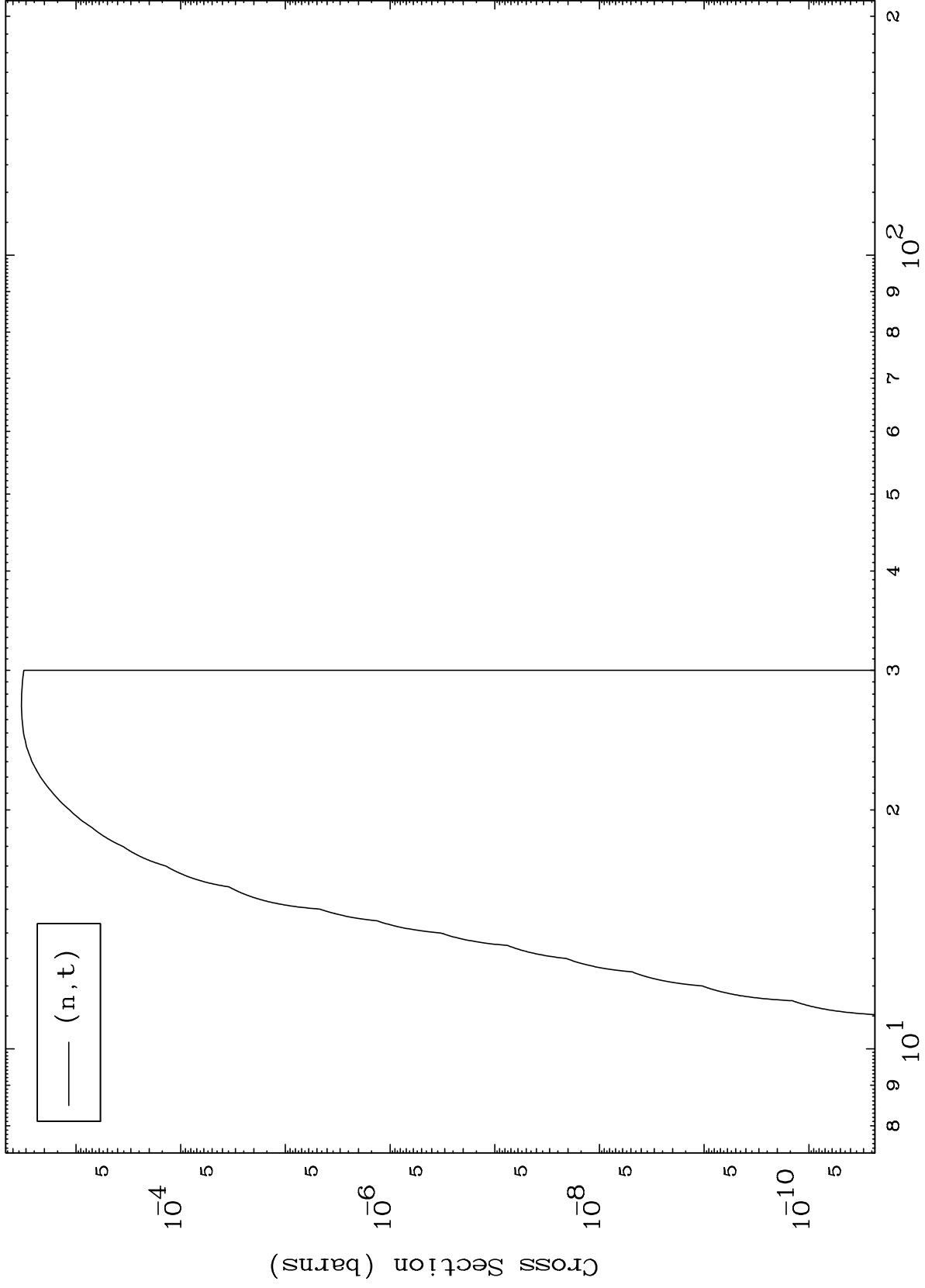


(n,d)

MAT 5143

(n,t) Levels  
293 Kelvin Cross Sections

51-Sb-127



12

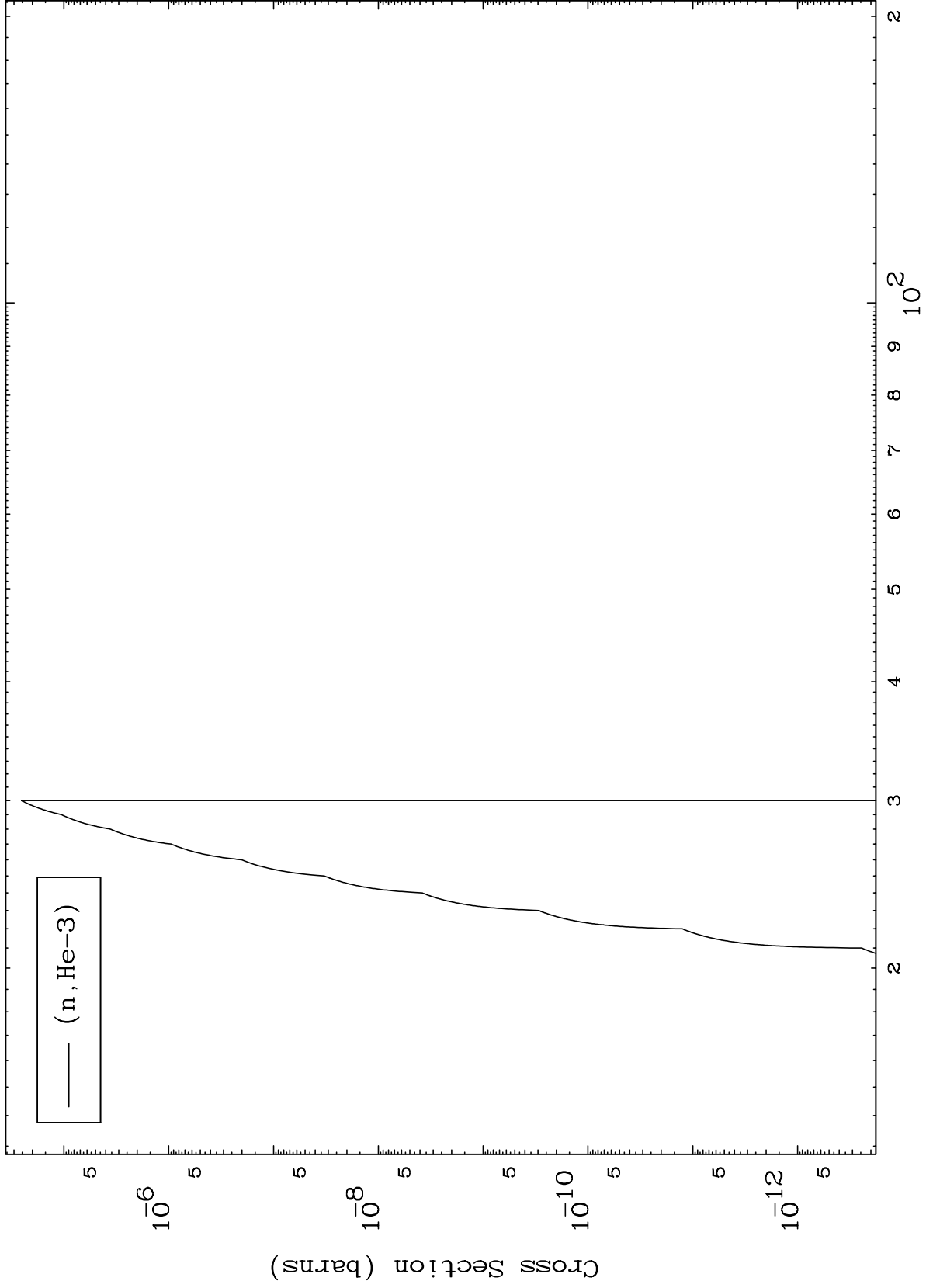
Incident Energy (MeV)

51-Sb-127

MAT 5143

(n,He3) Levels  
293 Kelvin Cross Sections

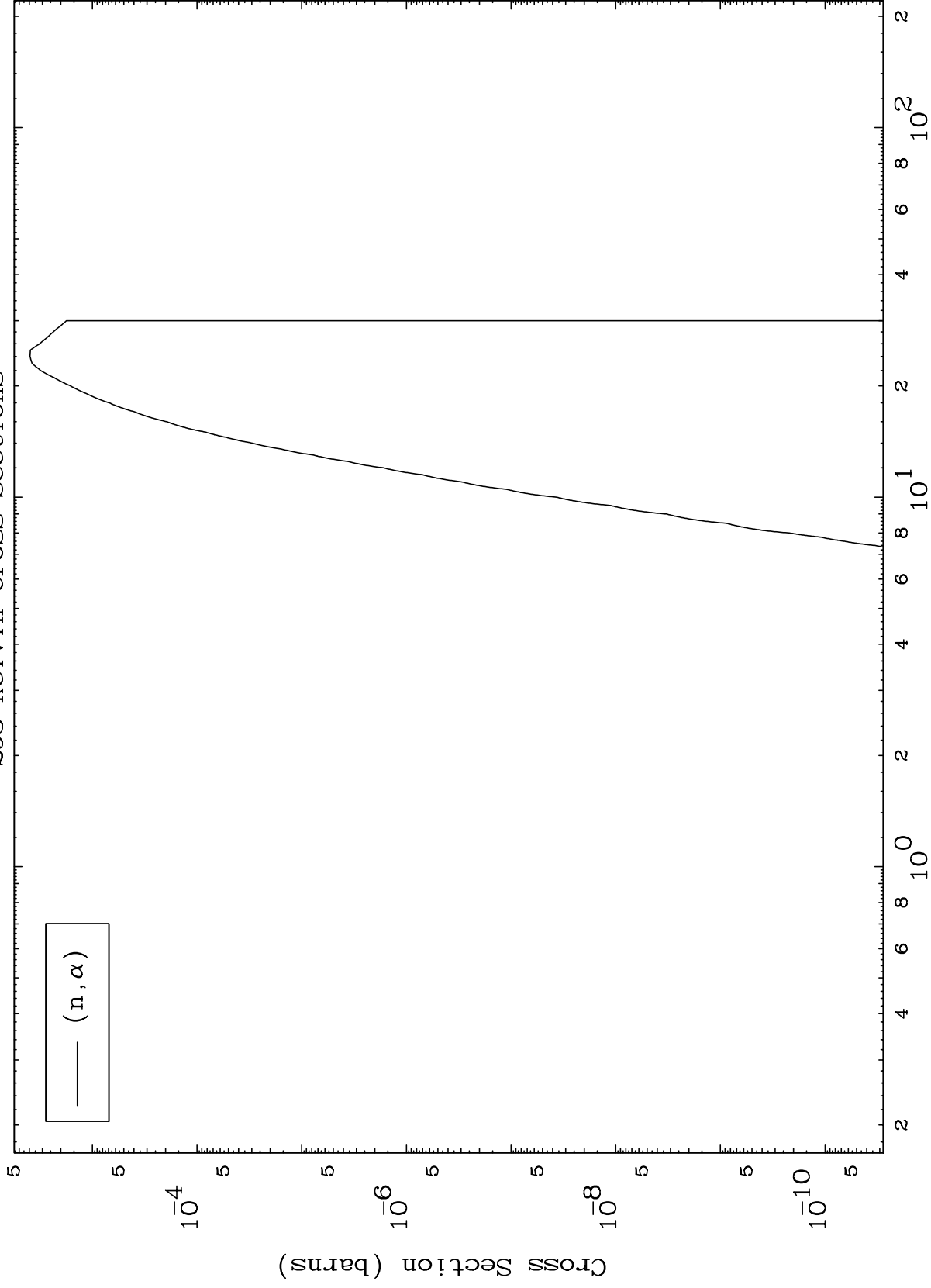
51-Sb-127



MAT 5143

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

51-Sb-127



14

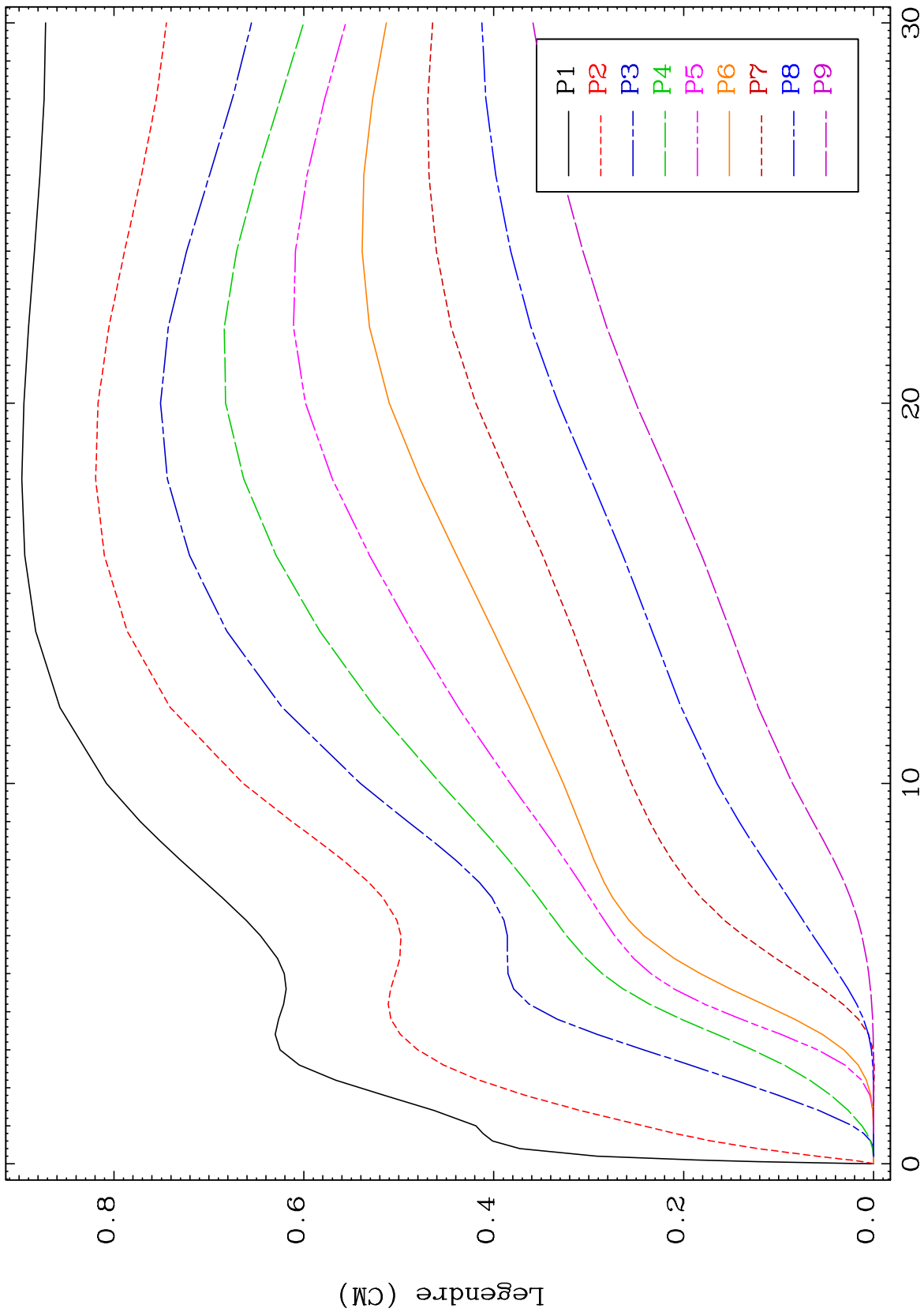
Incident Energy (MeV)

51-Sb-127

MAT 5143

51-Sb-127

Elastic Legendre Coefficients



51-Sb-127

Incident Energy (MeV)

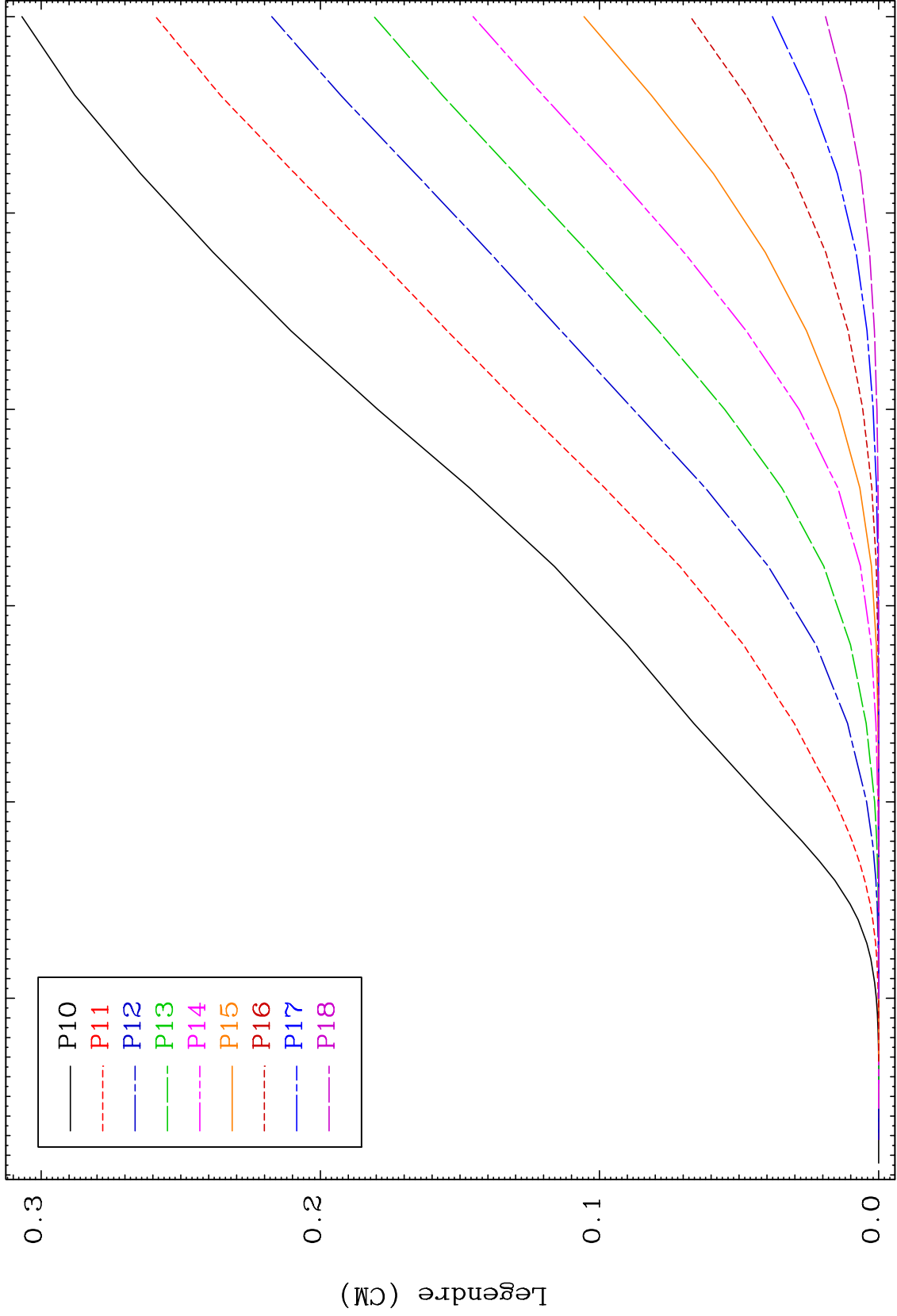
15



MAT 5143

Elastic Legendre Coefficients

51-Sb-127



16

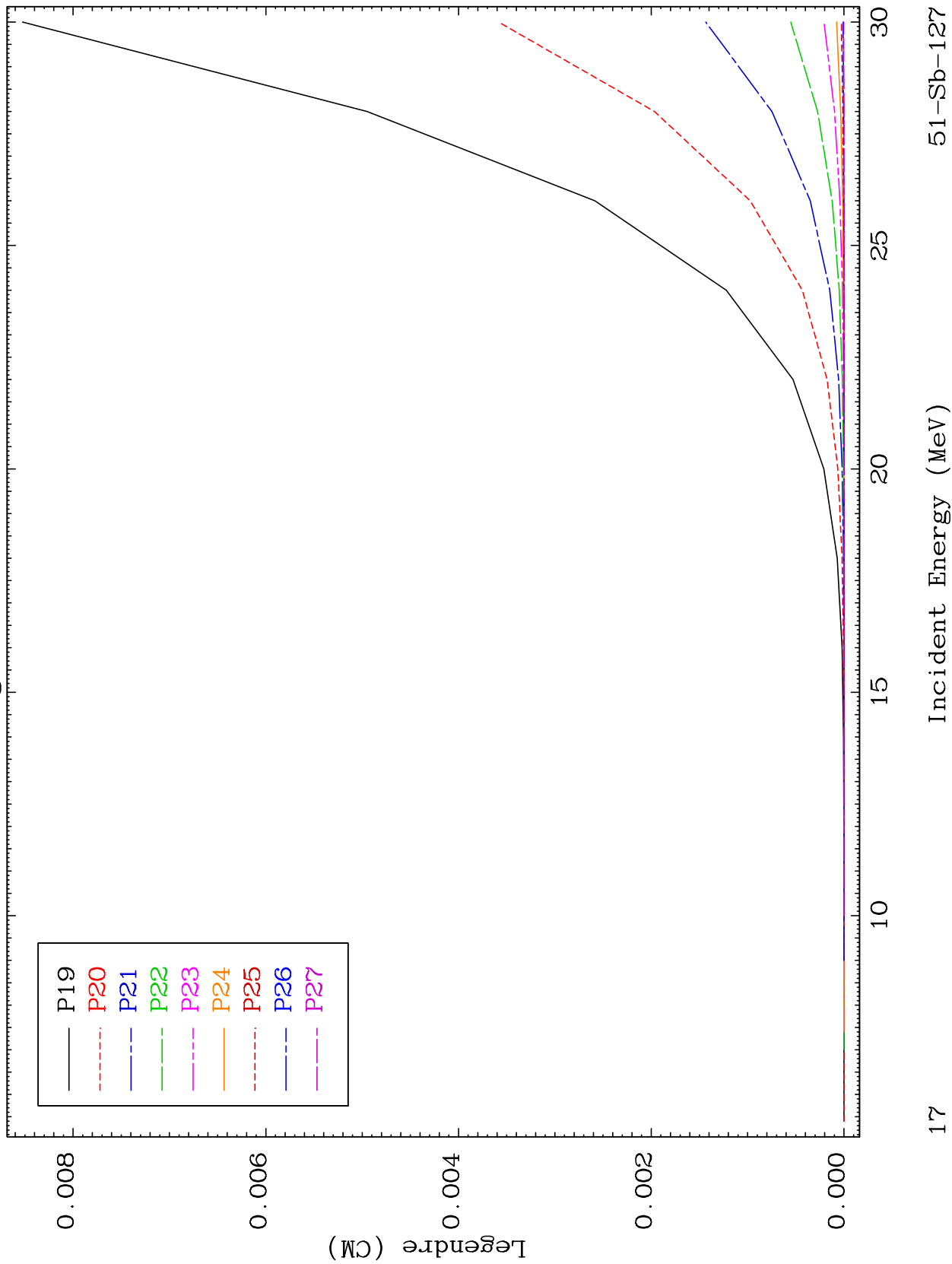
Incident Energy (MeV)

51-Sb-127

MAT 5143

### Elastic Legendre Coefficients

51-Sb-127



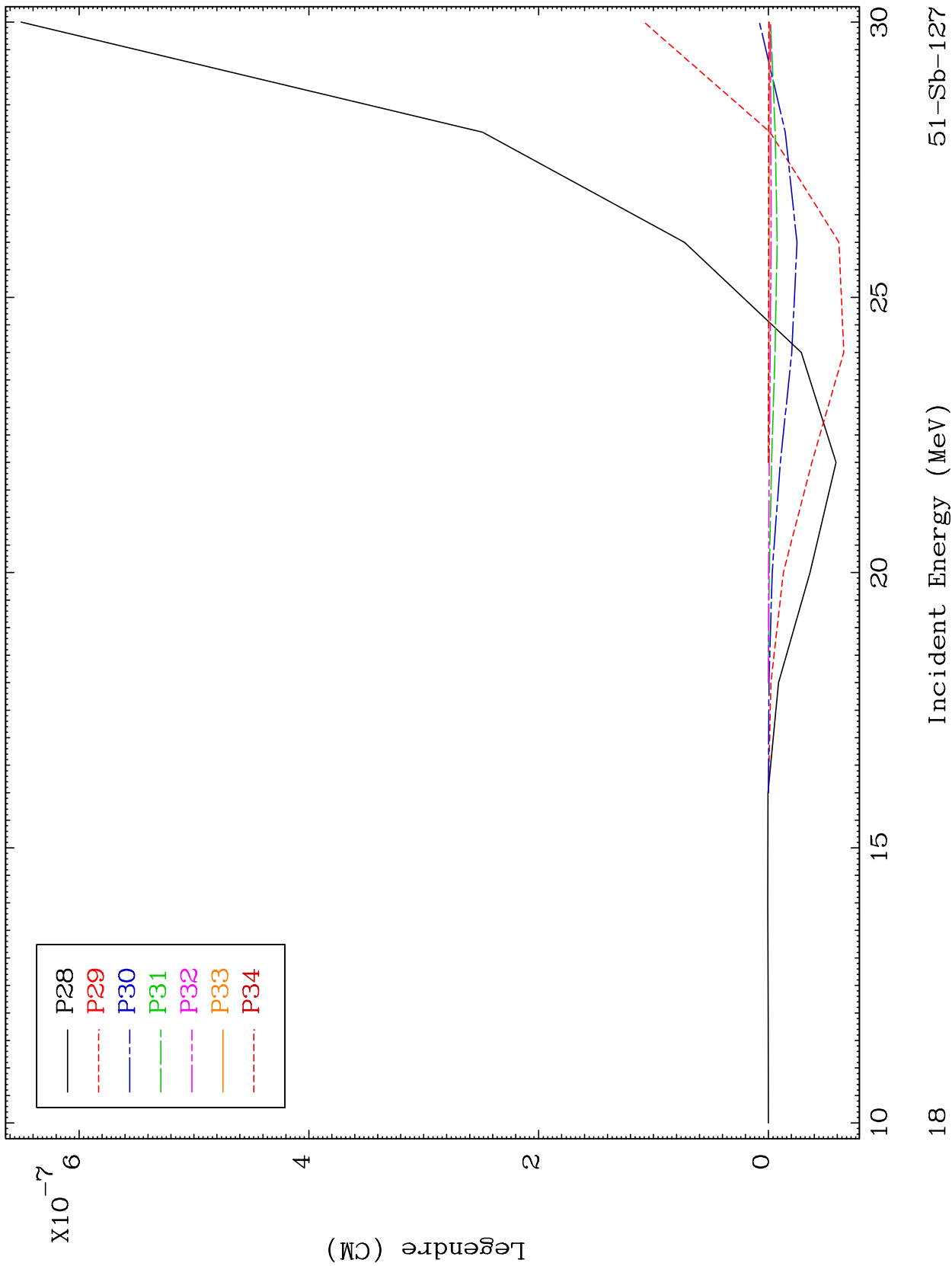
17

51-Sb-127

MAT 5143

Elastic Legendre Coefficients

51-Sb-127



18

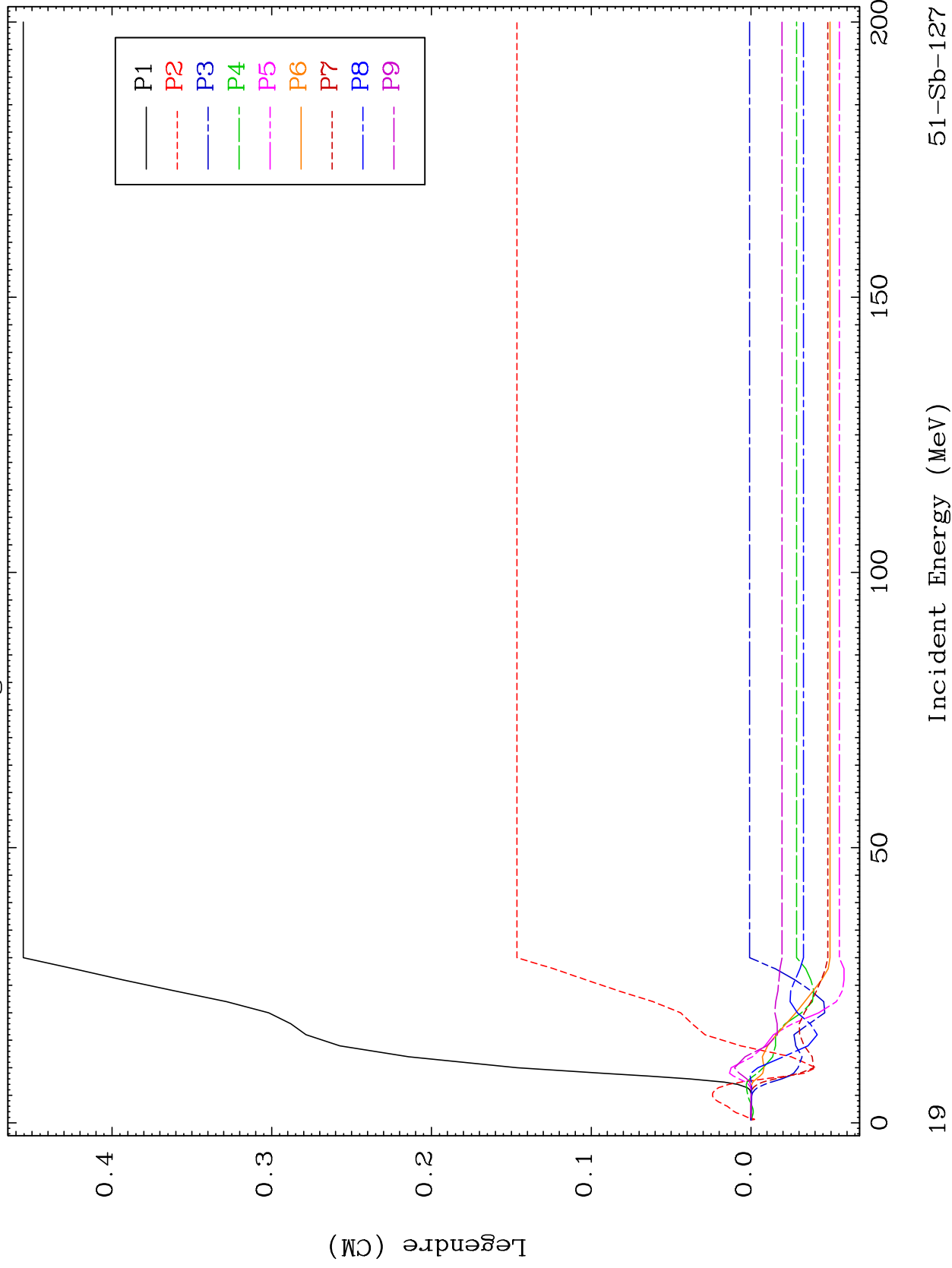
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



51-Sb-127

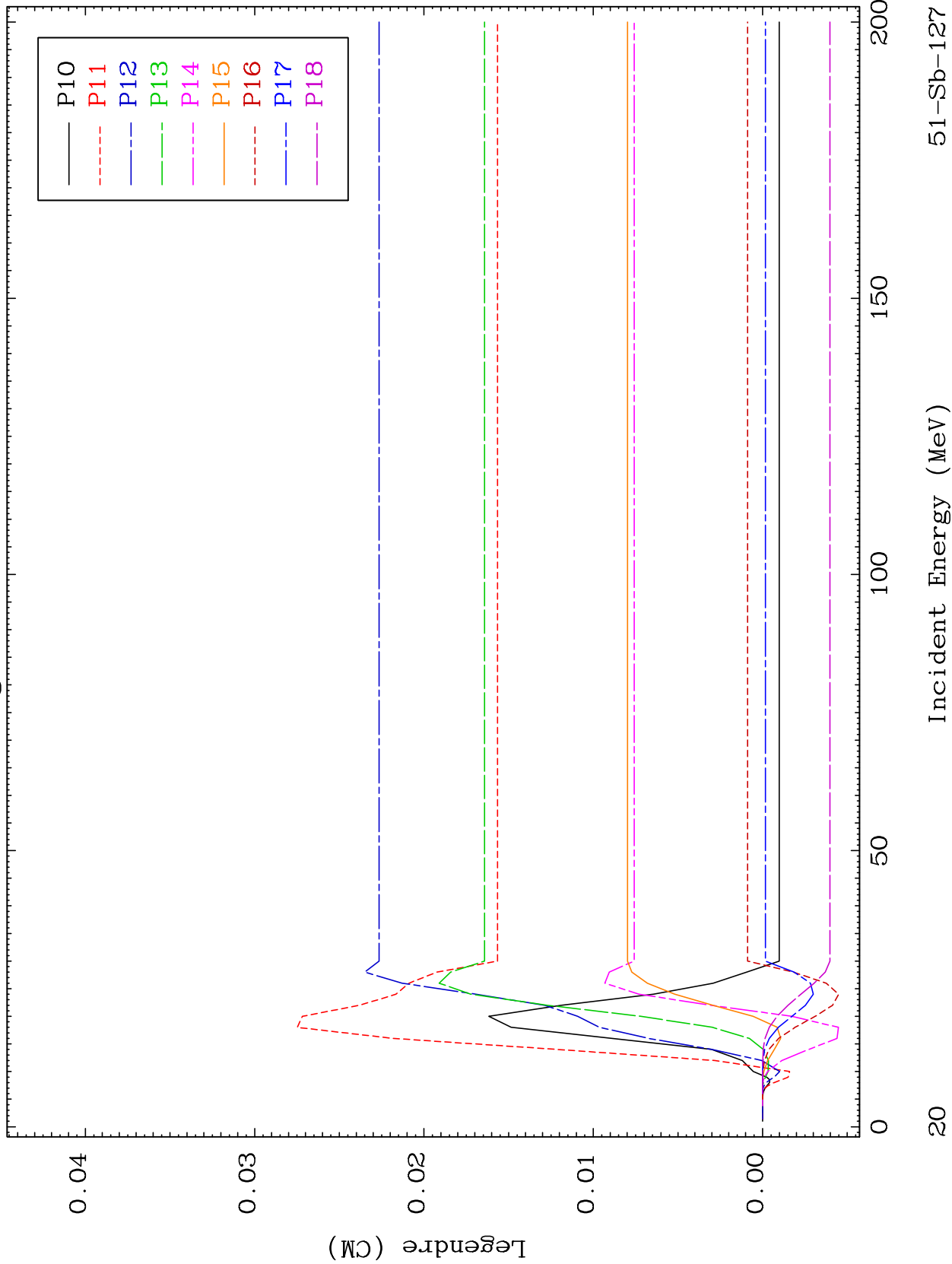
Incident Energy (MeV)

19

MAT 5143

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

51-Sb-127



51-Sb-127

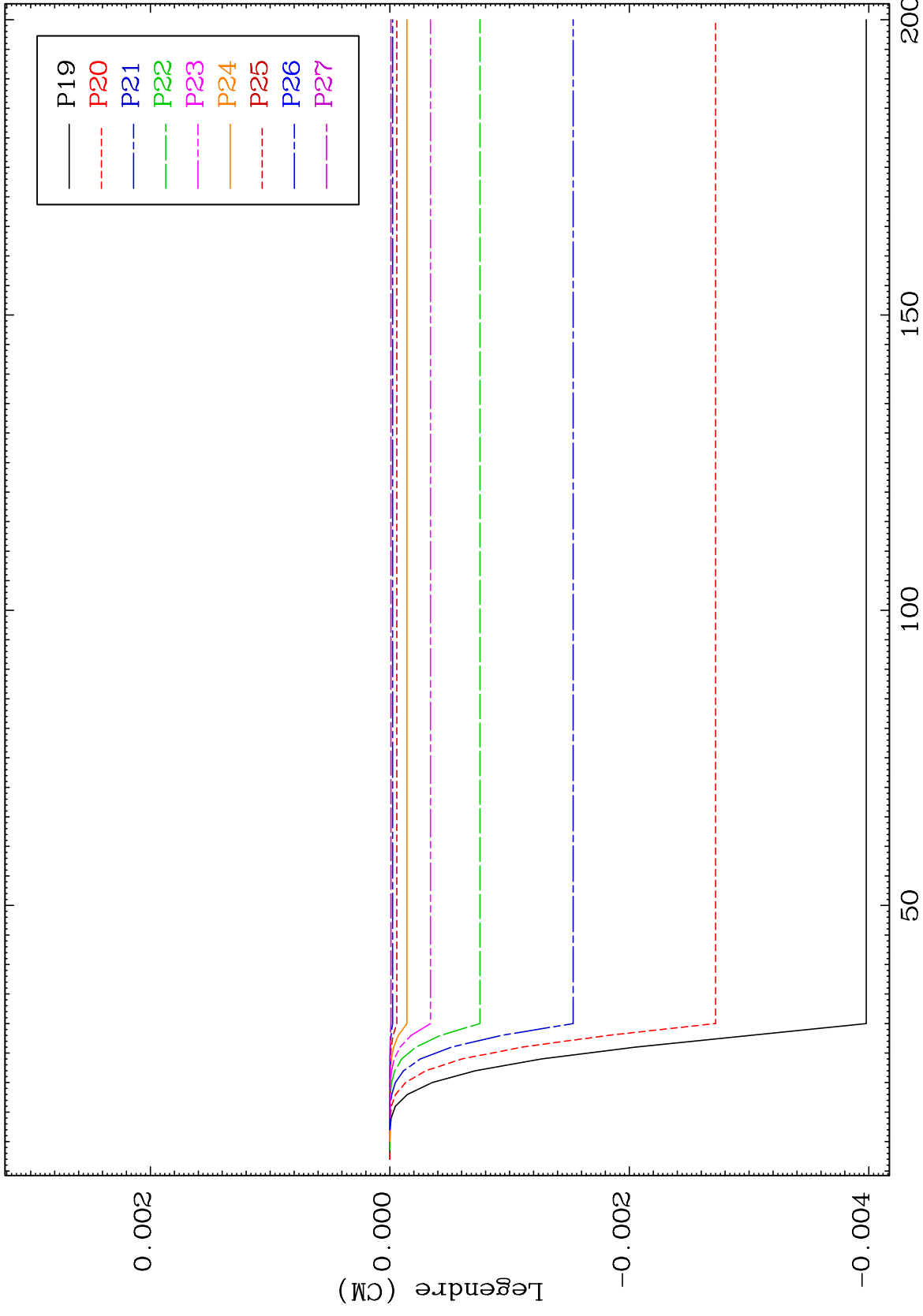
Incident Energy (MeV)

20

MAT 5143

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

51-Sb-127



21

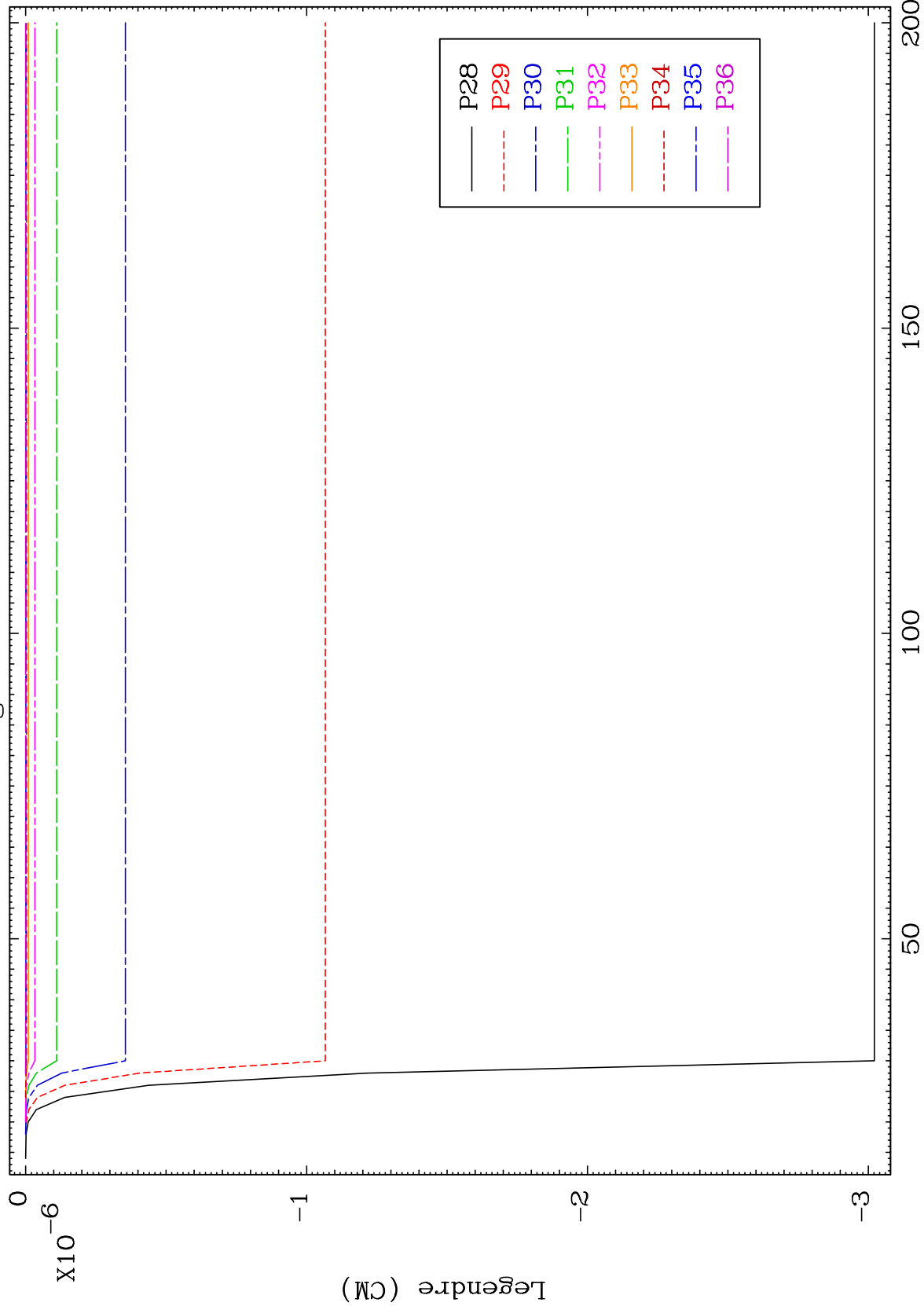
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

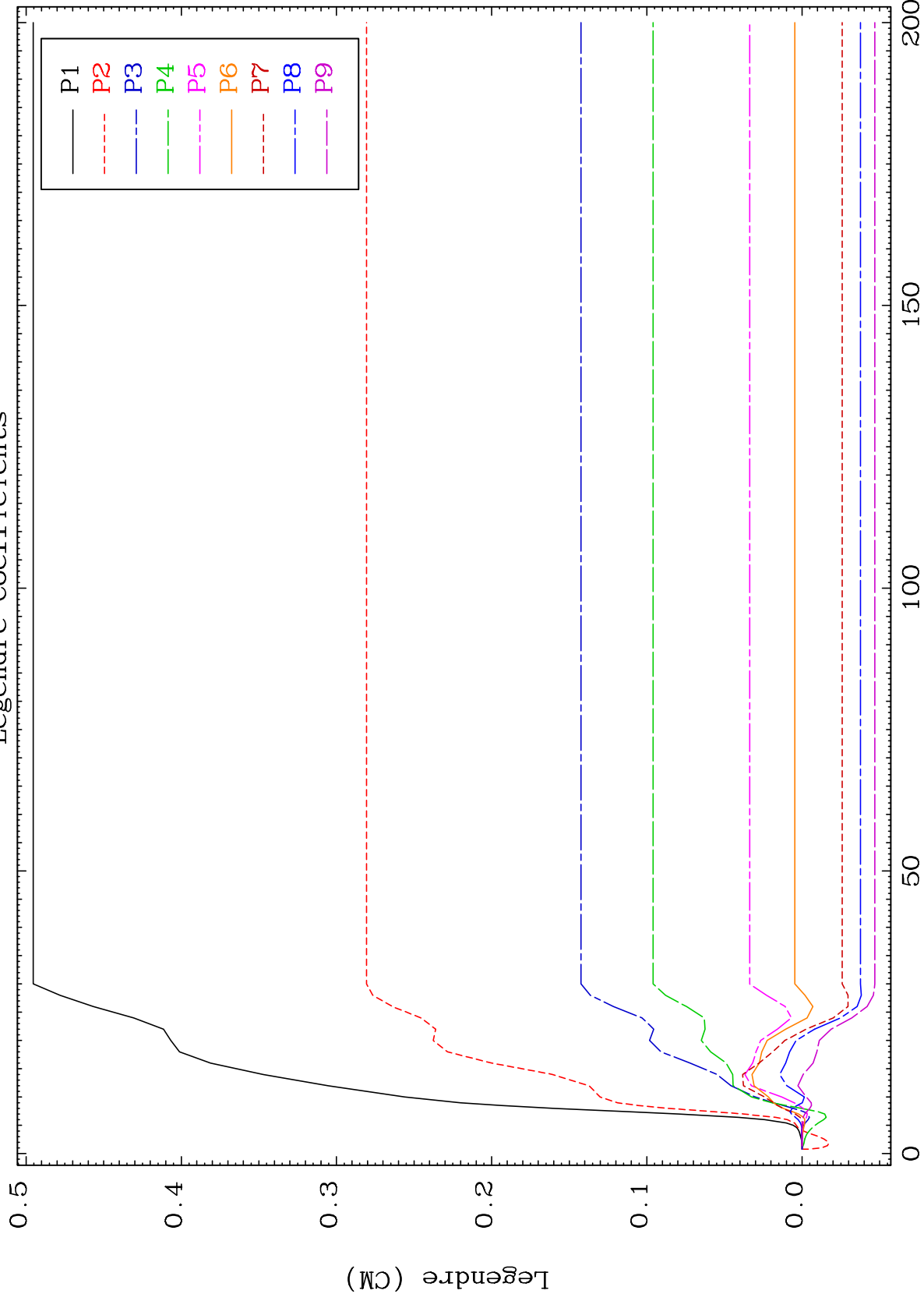
51-Sb-127



MAT 5143

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

51-Sb-127



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Incident Energy (MeV)

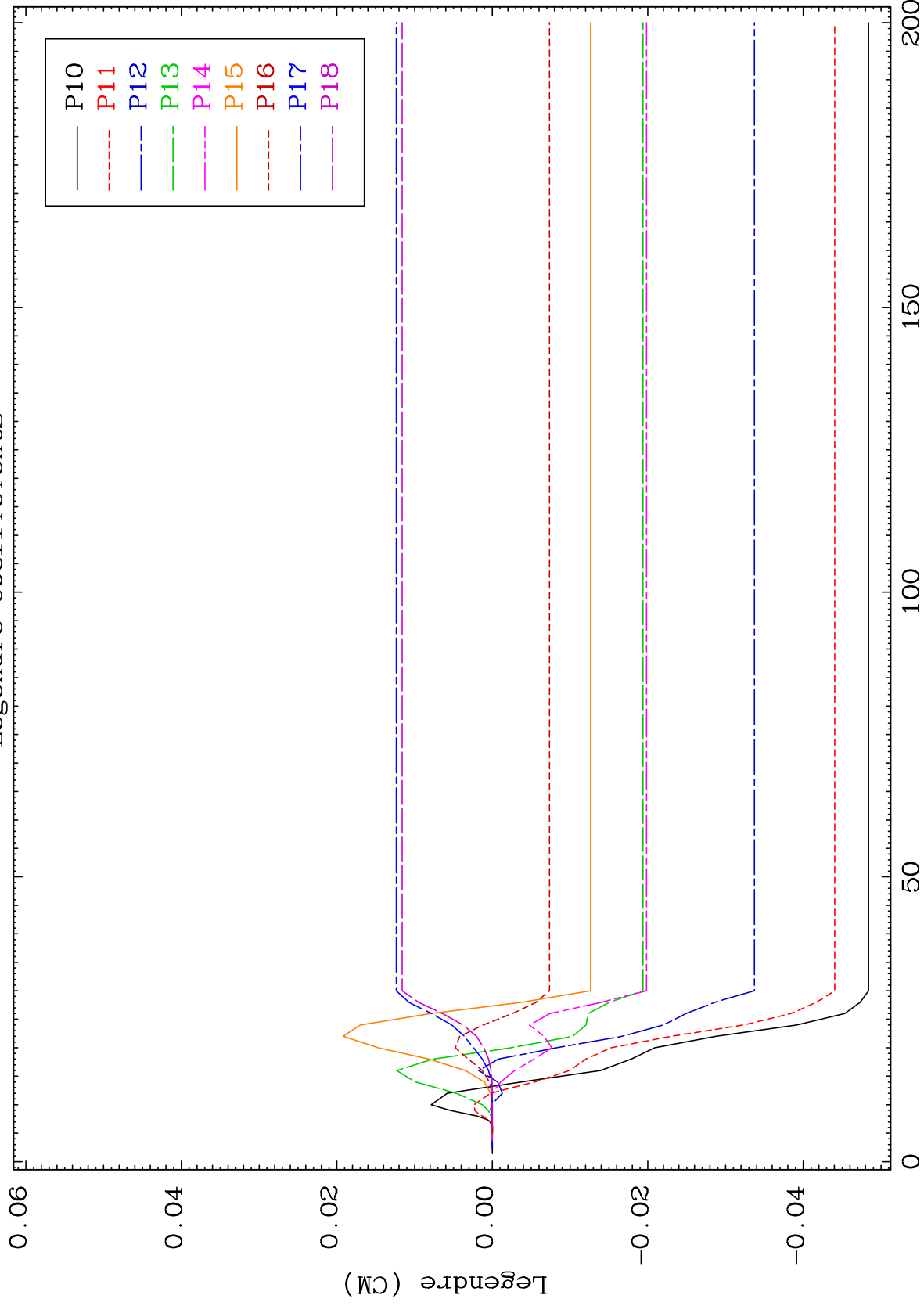
51-Sb-127



MAT 5143

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

51-Sb-127



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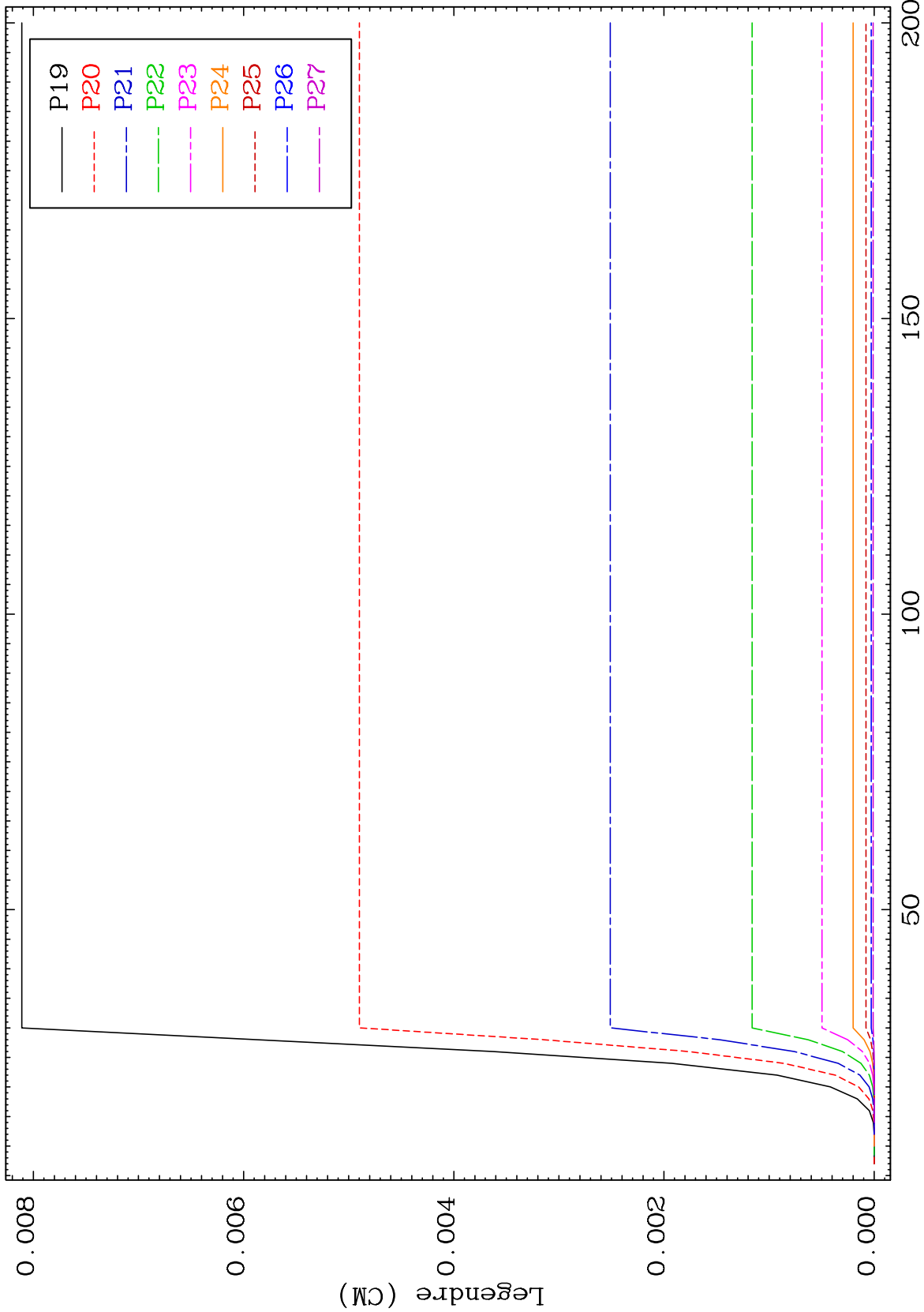
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



25

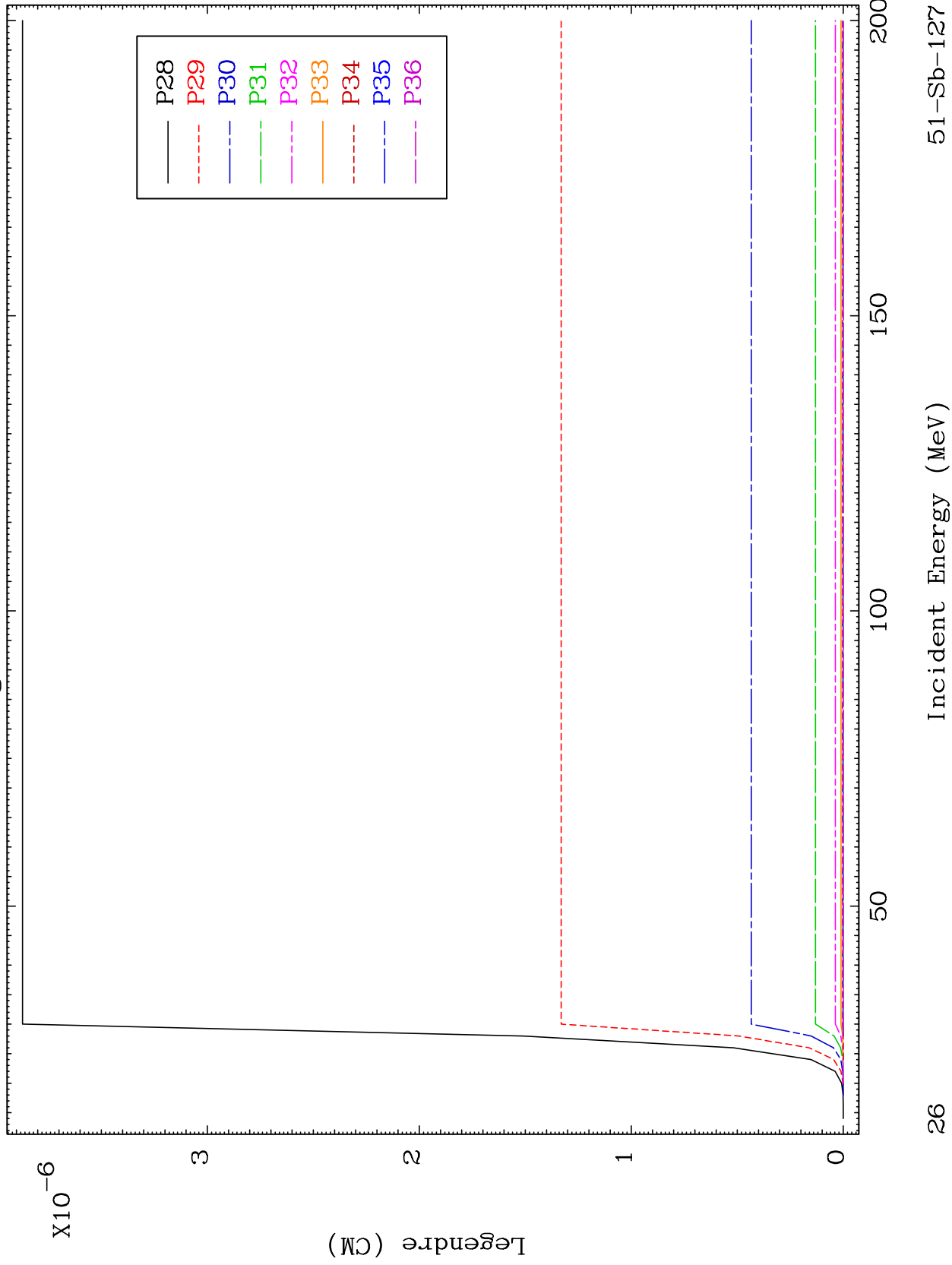
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



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Incident Energy (MeV)

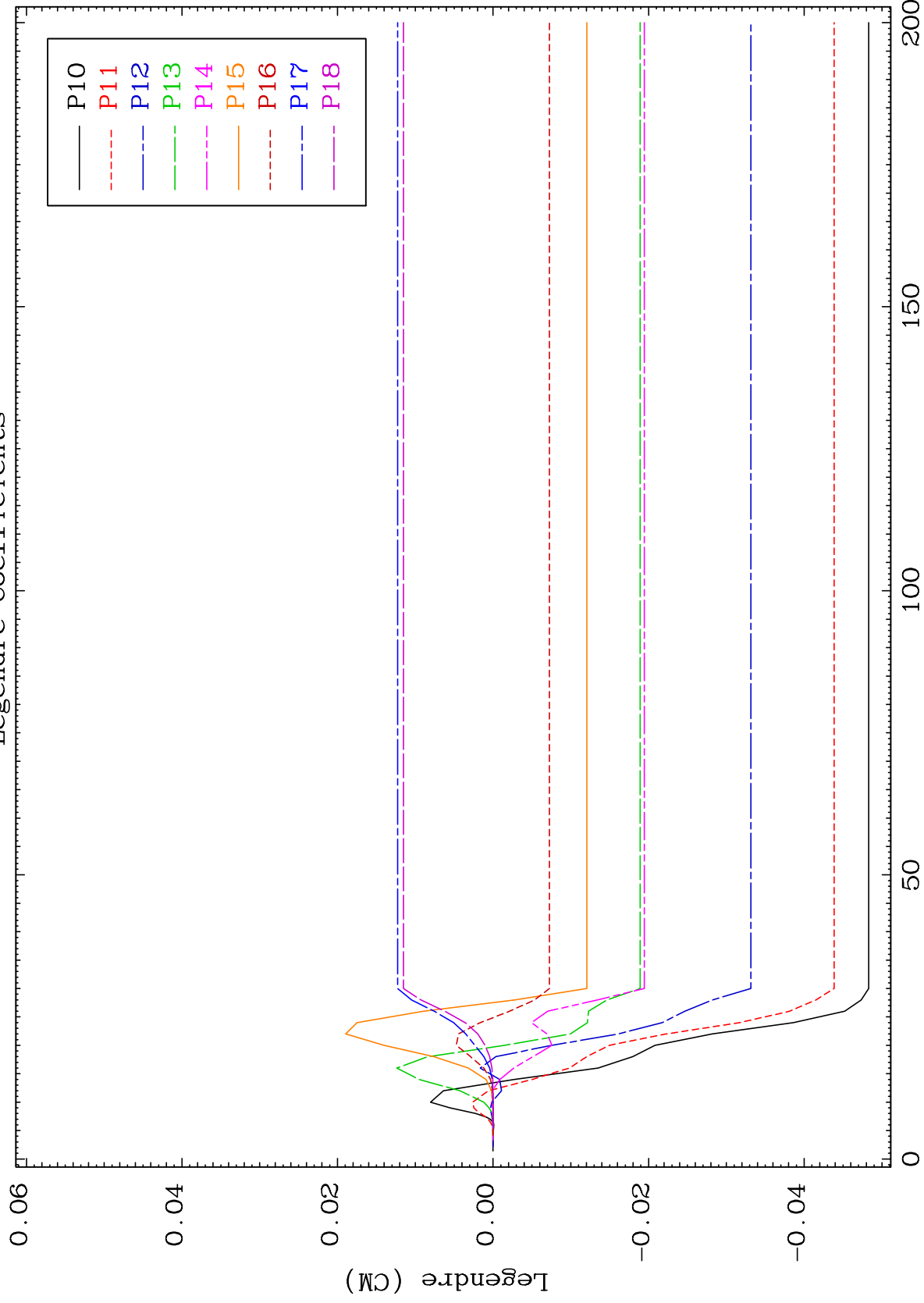
51-Sb-127



MAT 5143

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

51-Sb-127



28

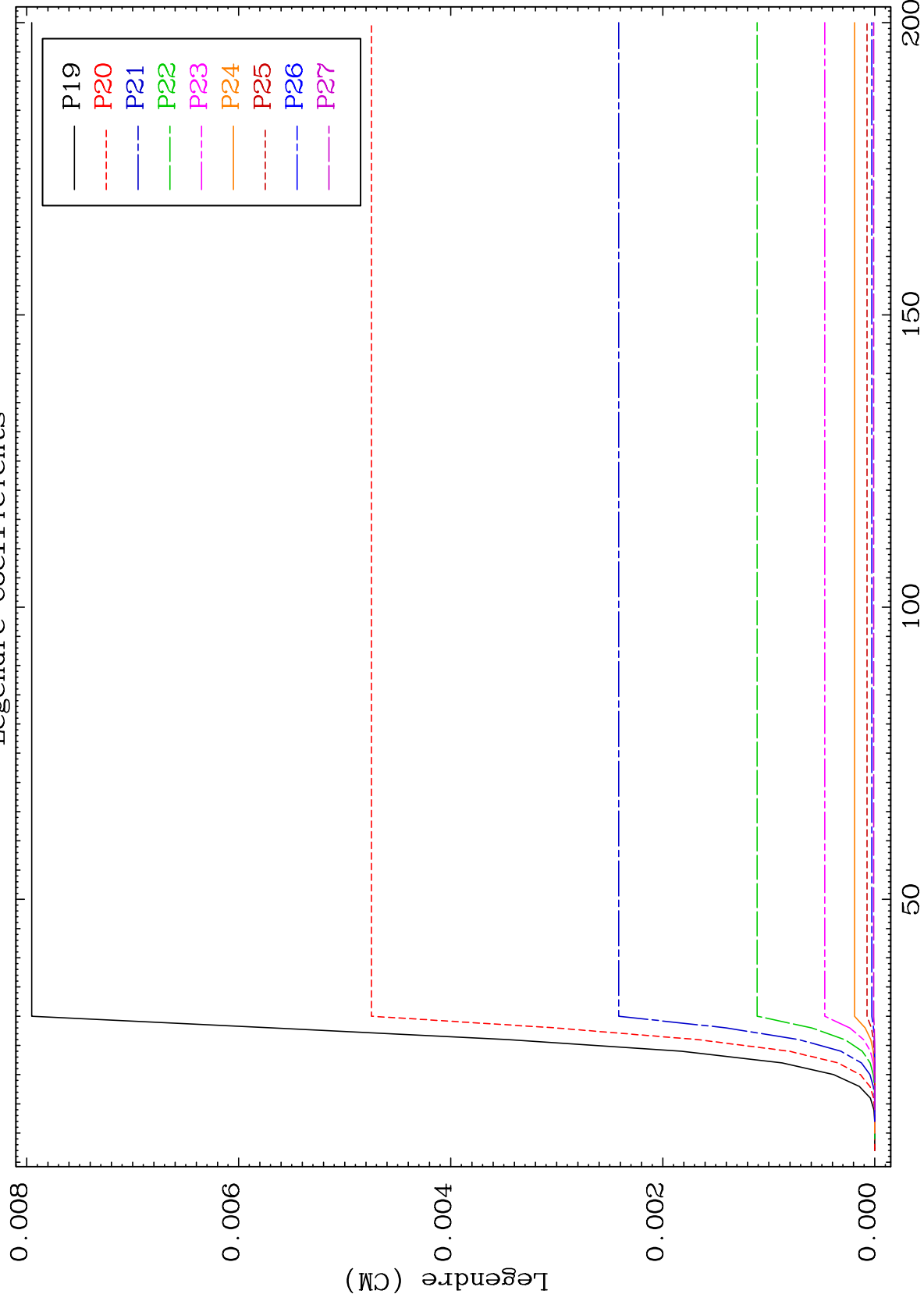
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



29

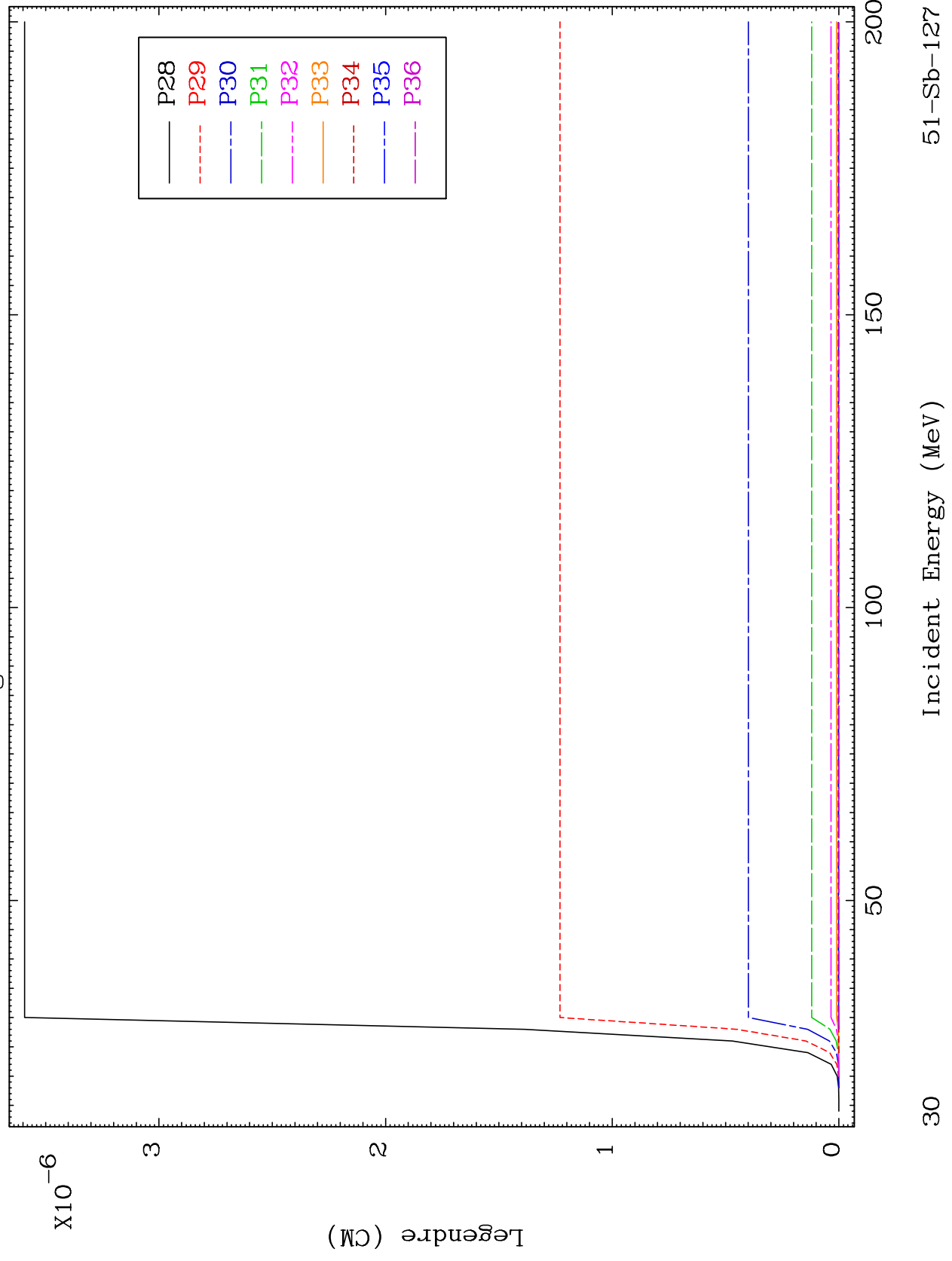
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

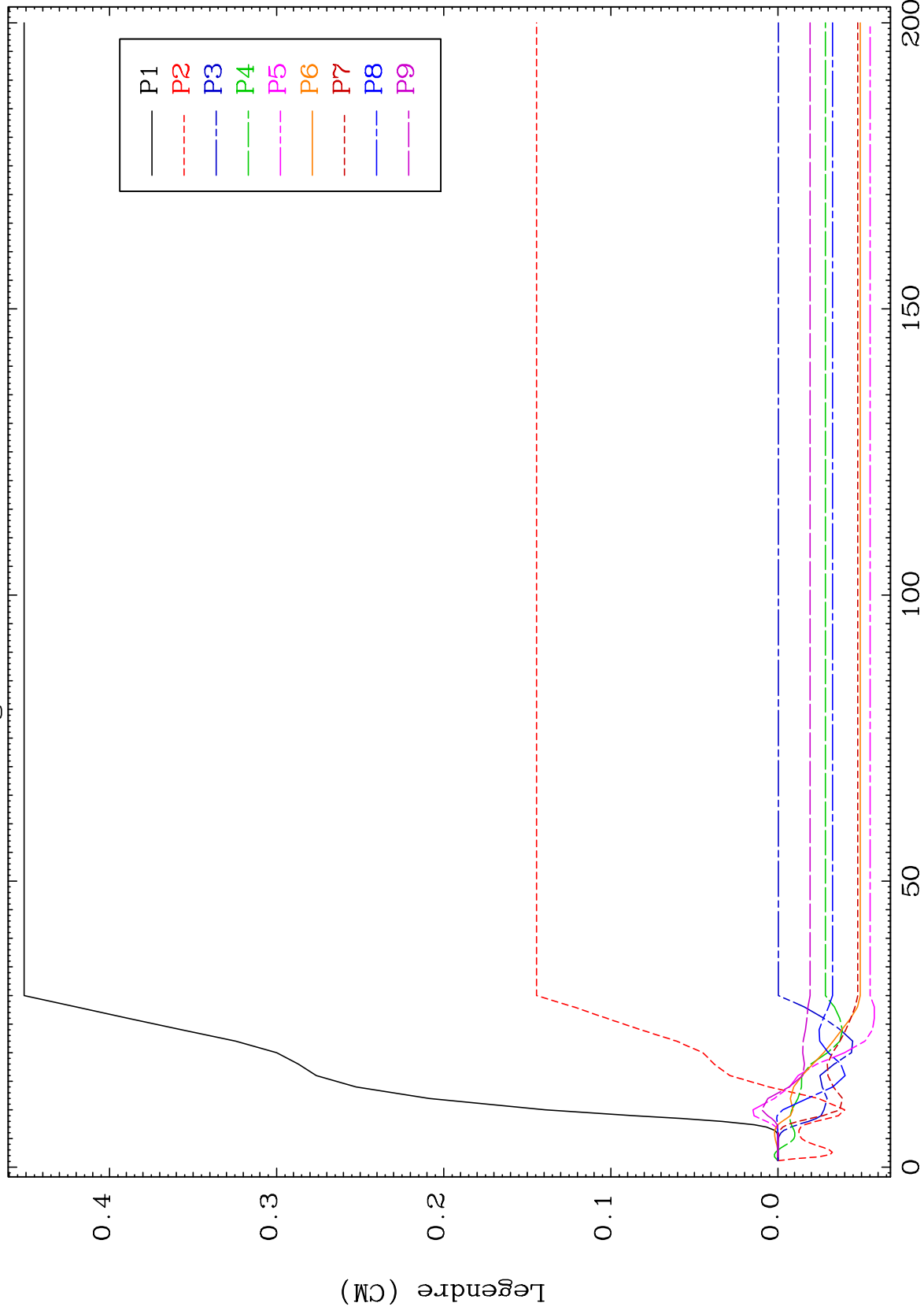
51-Sb-127



MAT 5143

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

51-Sb-127



31

Incident Energy (MeV)

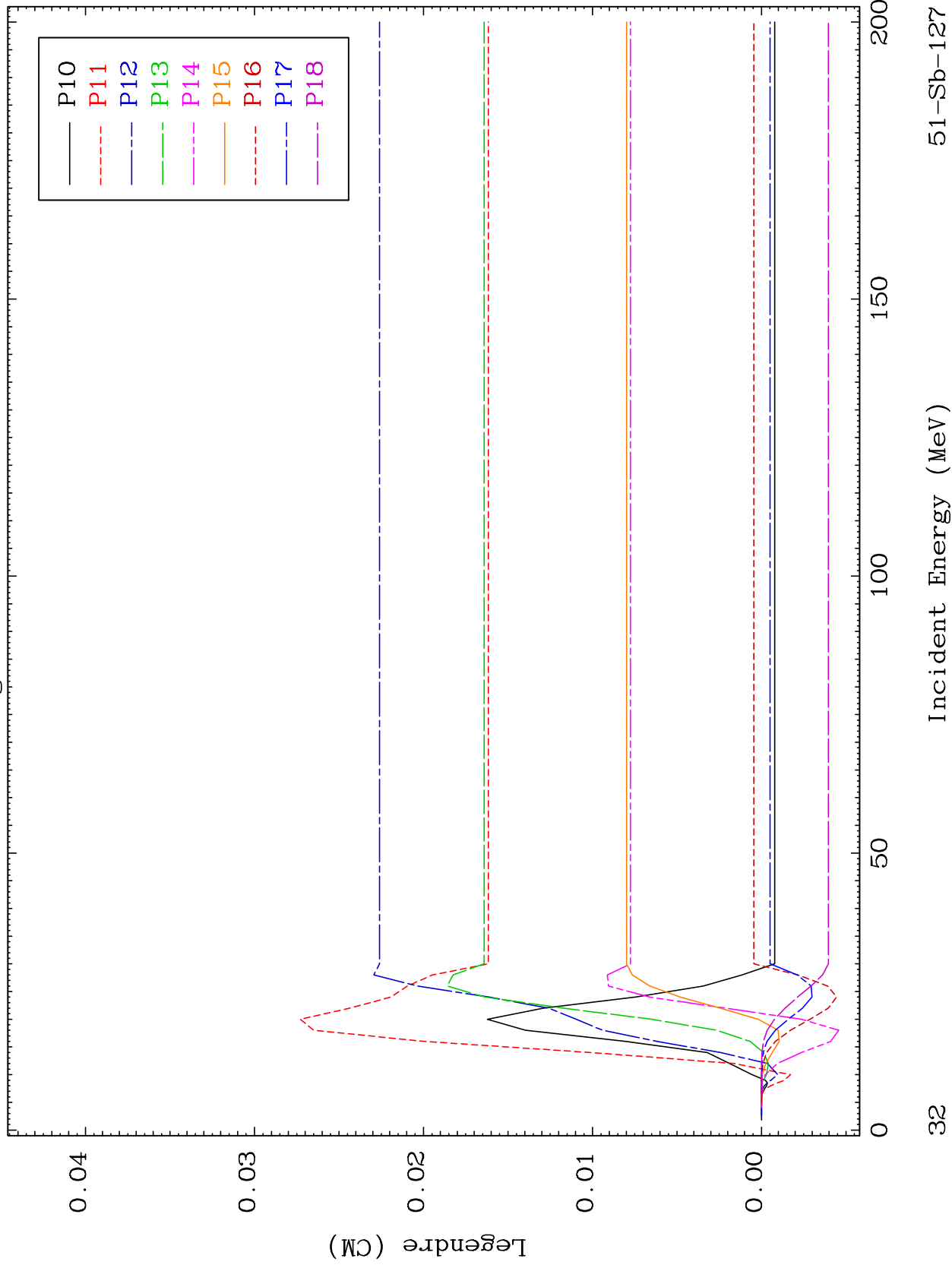
51-Sb-127



MAT 5143

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

51-Sb-127



51-Sb-127

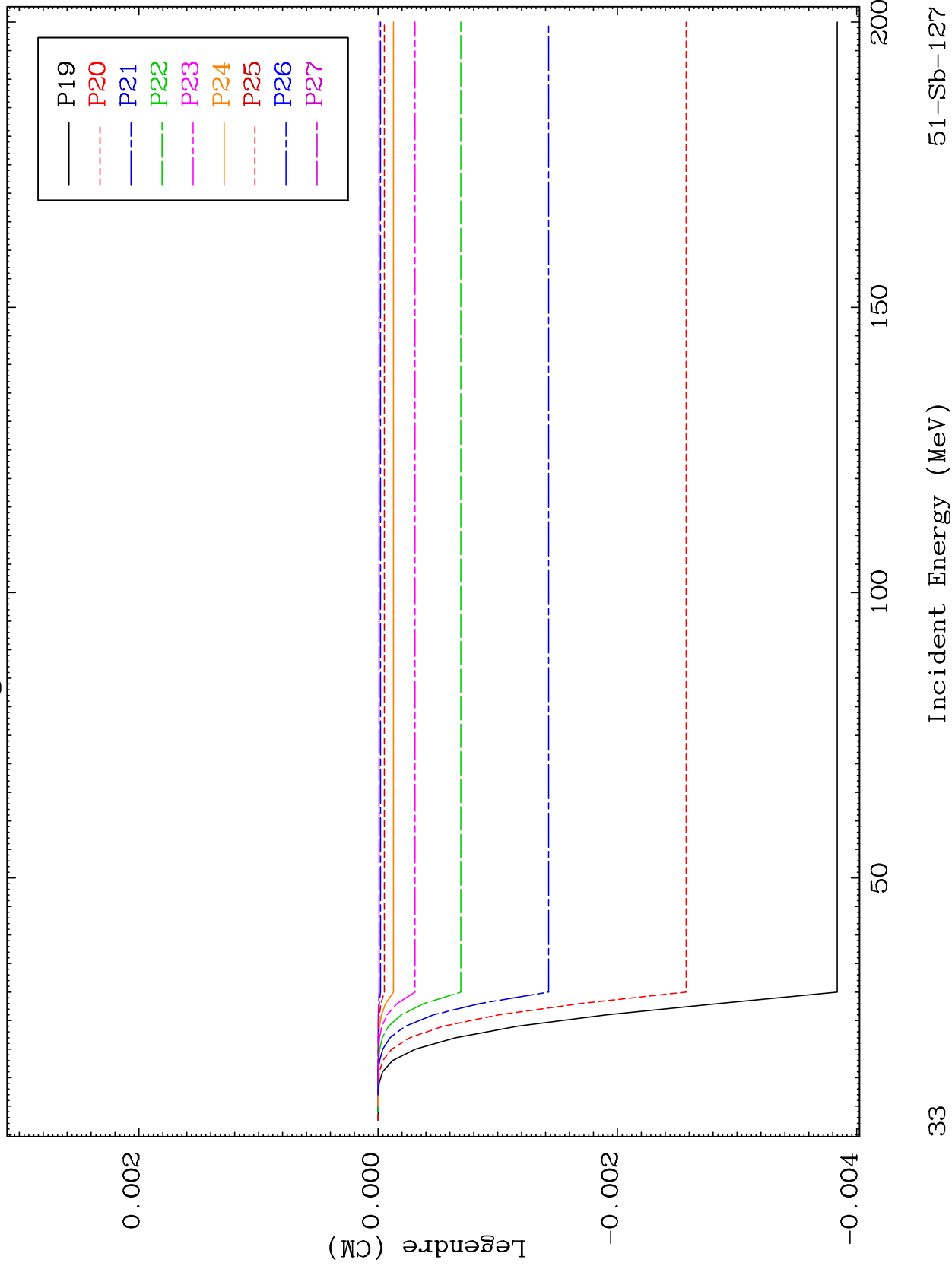
Incident Energy (MeV)

32

MAT 5143

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

51-Sb-127



33

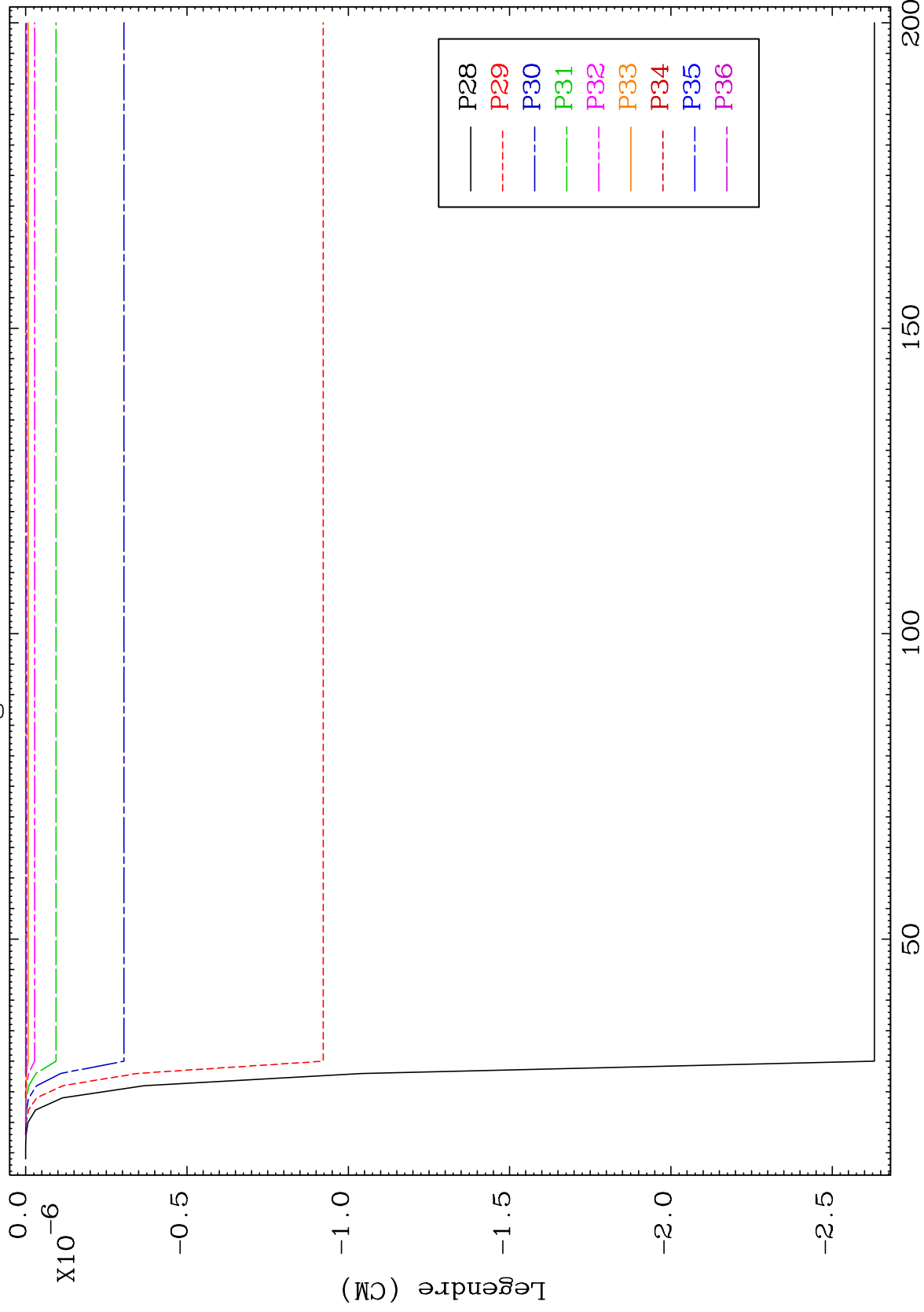
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



34

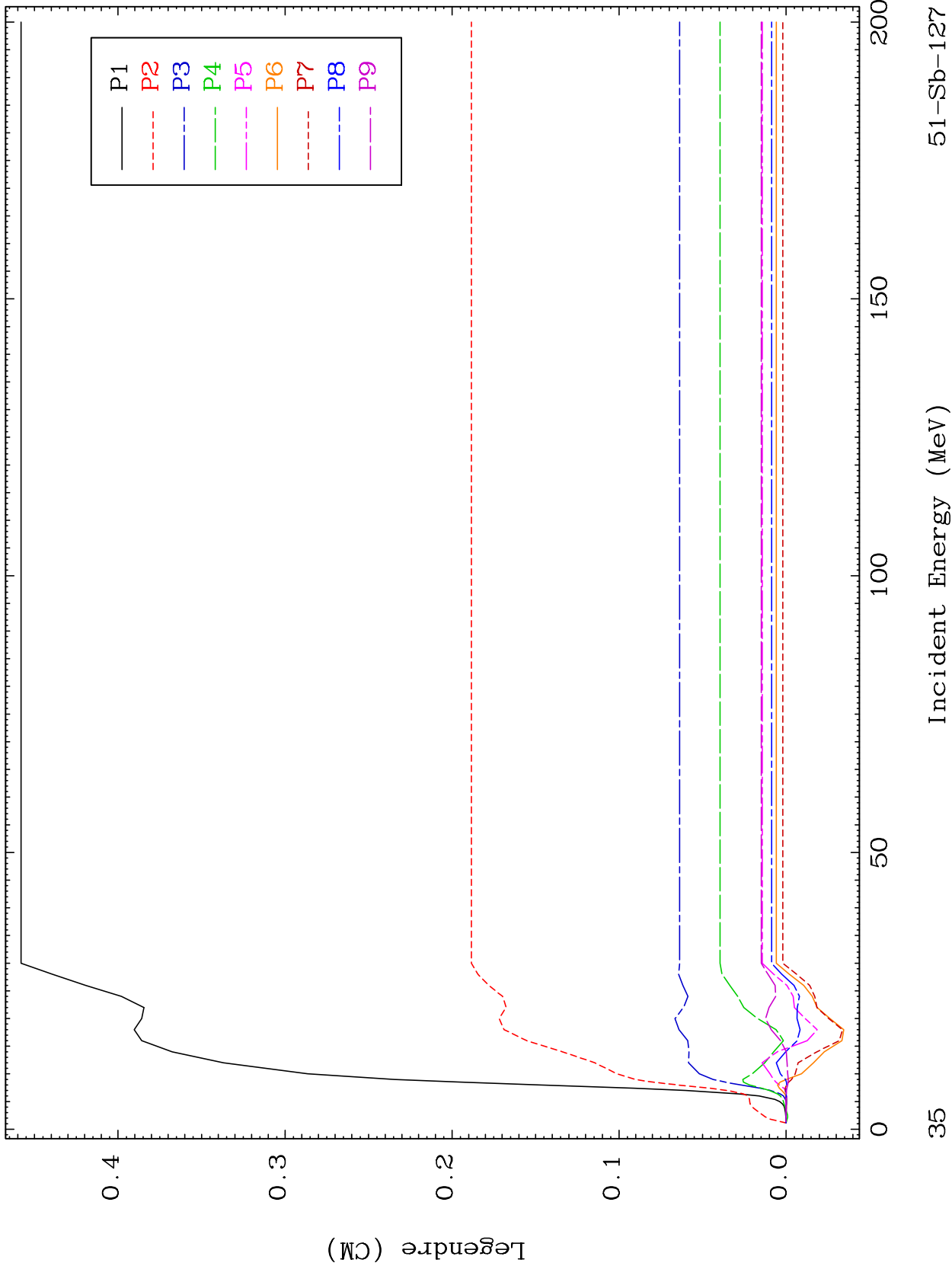
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



51-Sb-127

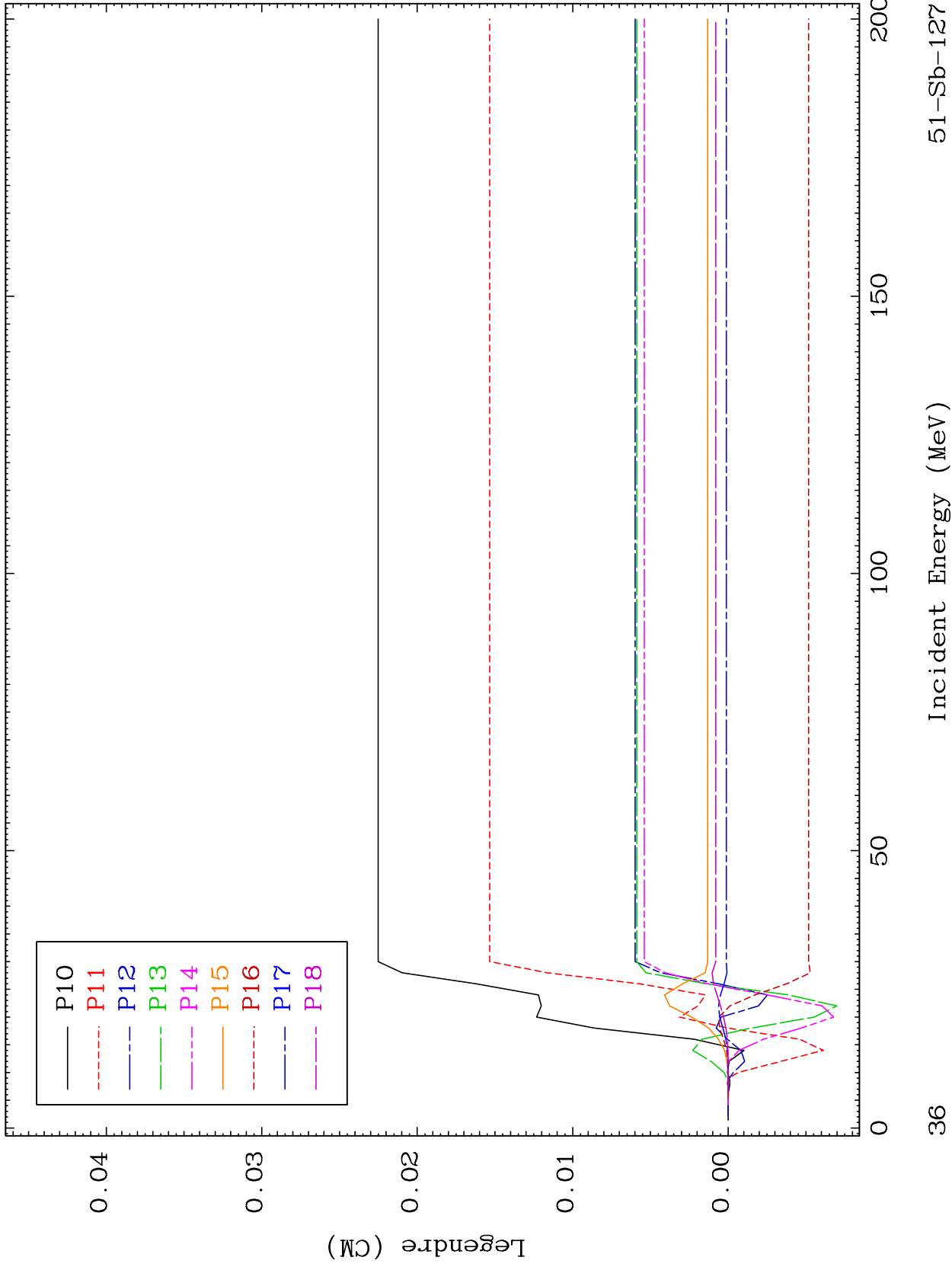
Incident Energy (MeV)

35

MAT 5143

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

51-Sb-127



36

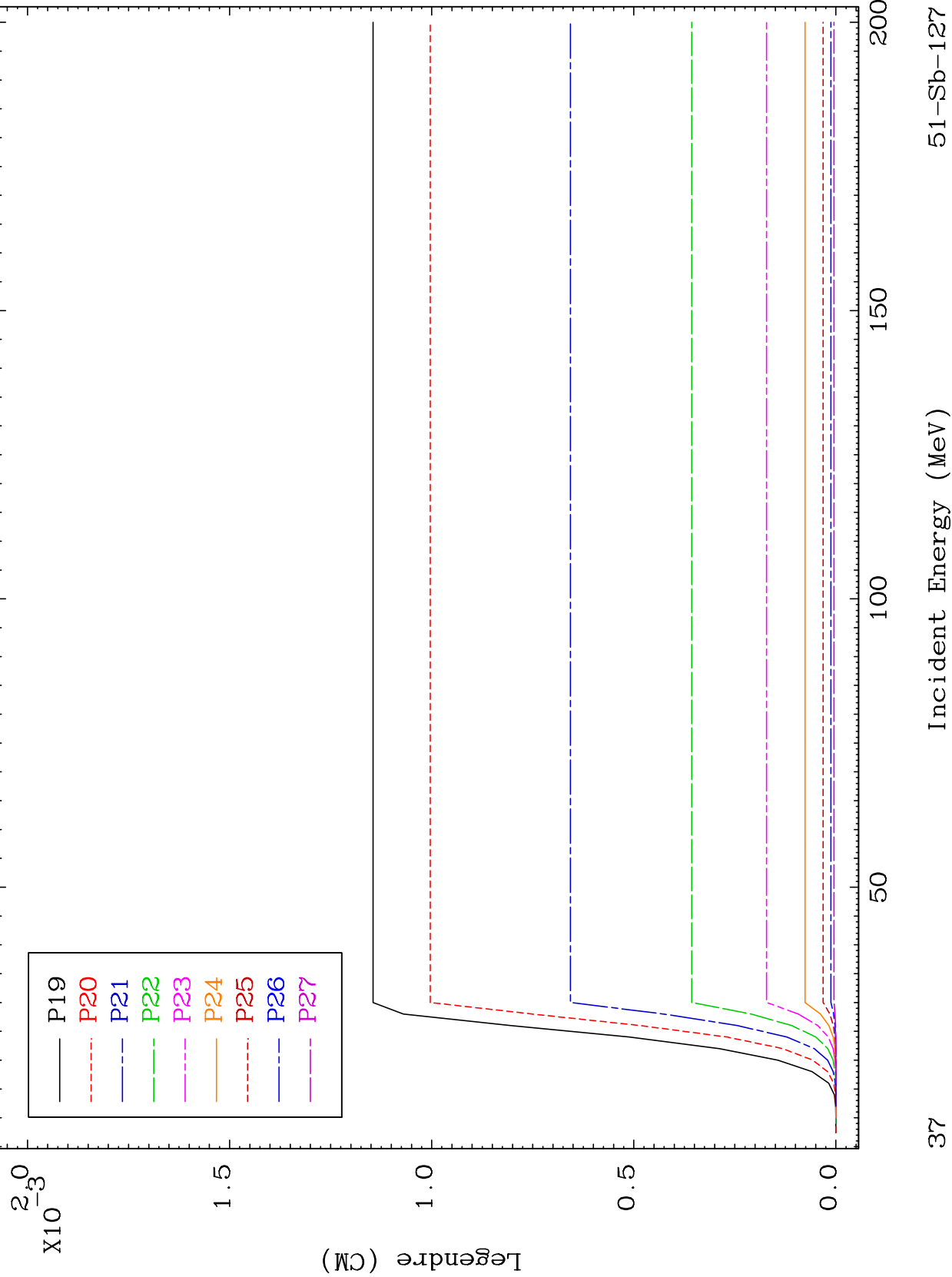
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



37

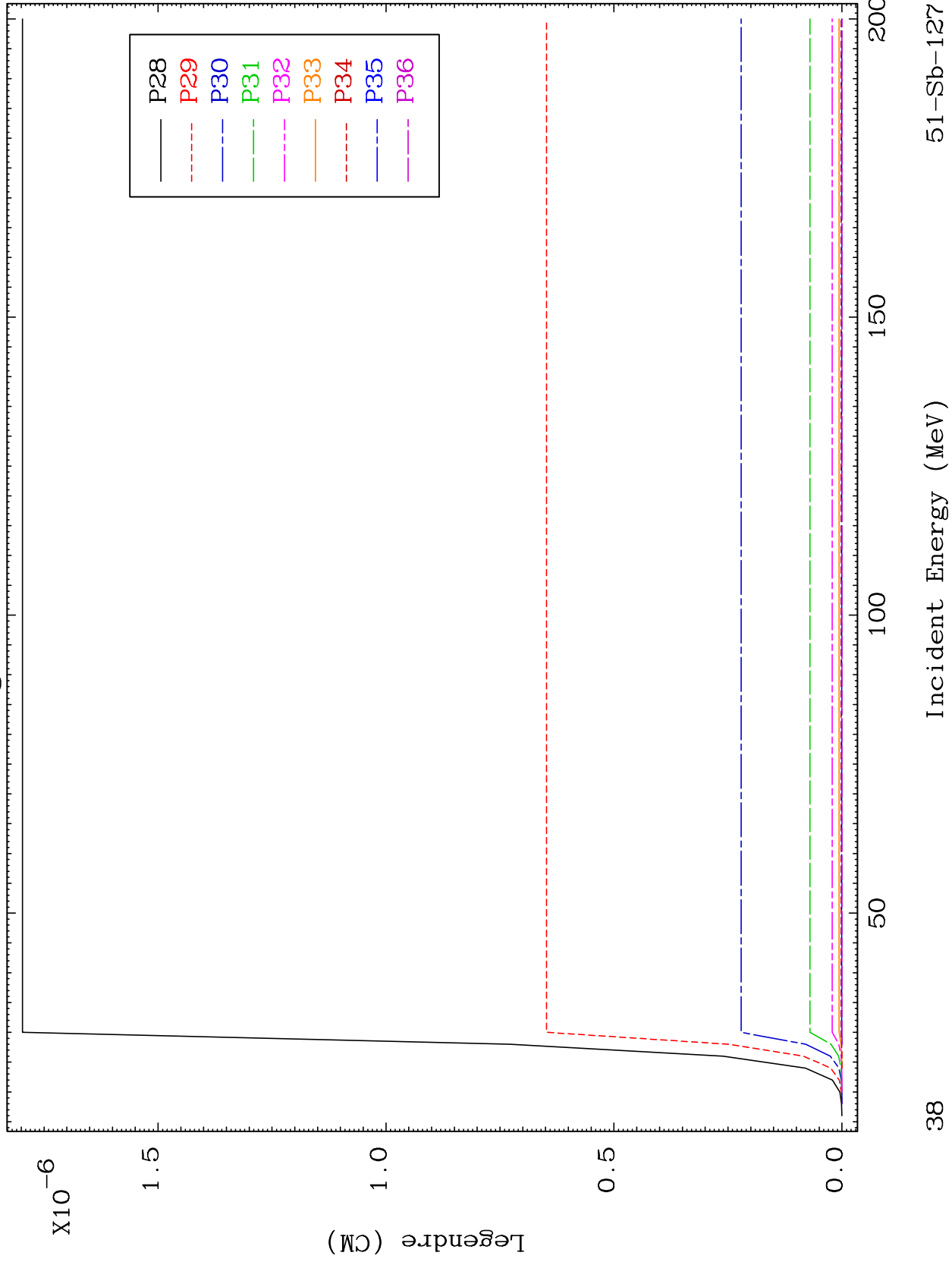
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



38

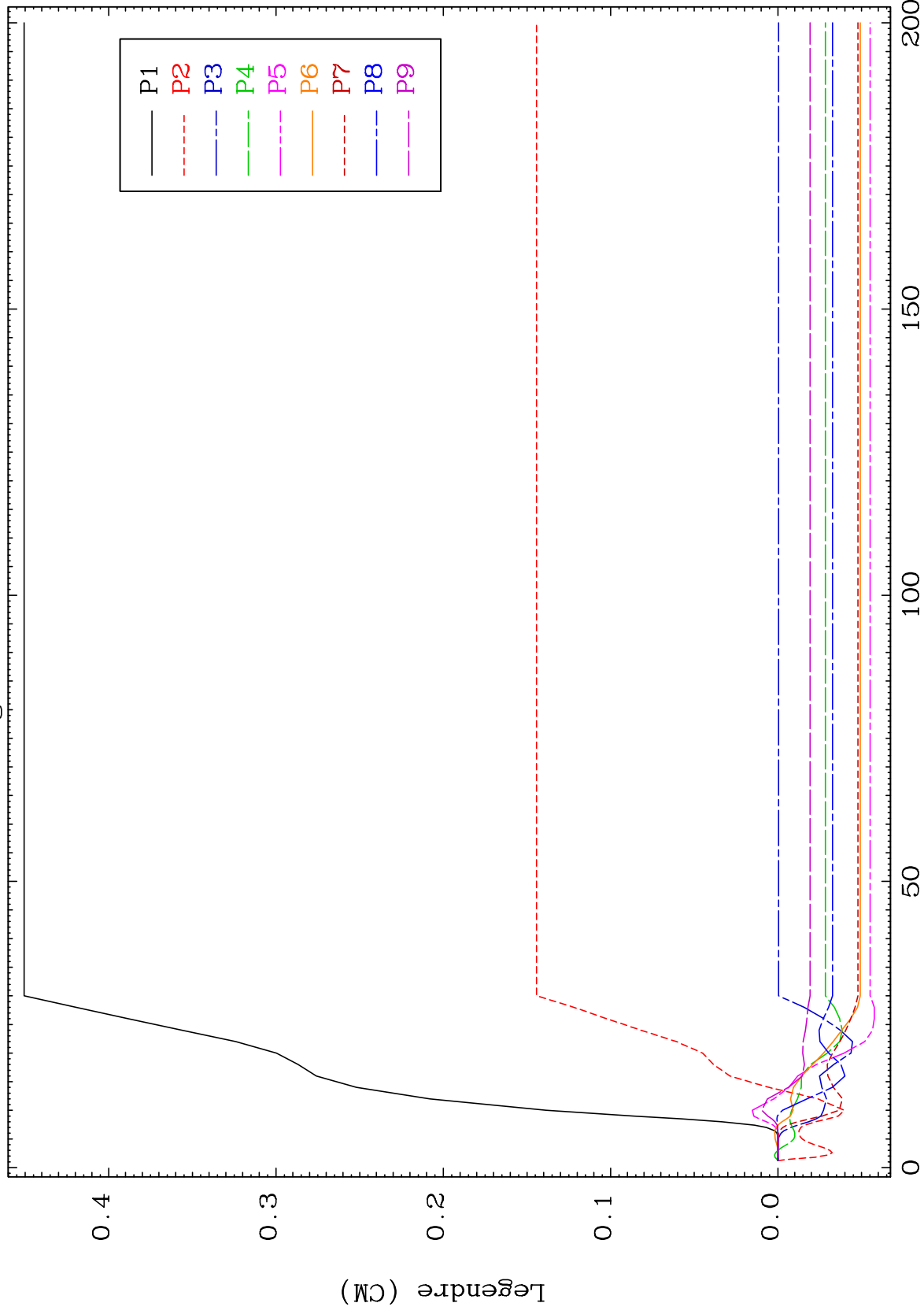
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



39

Incident Energy (MeV)

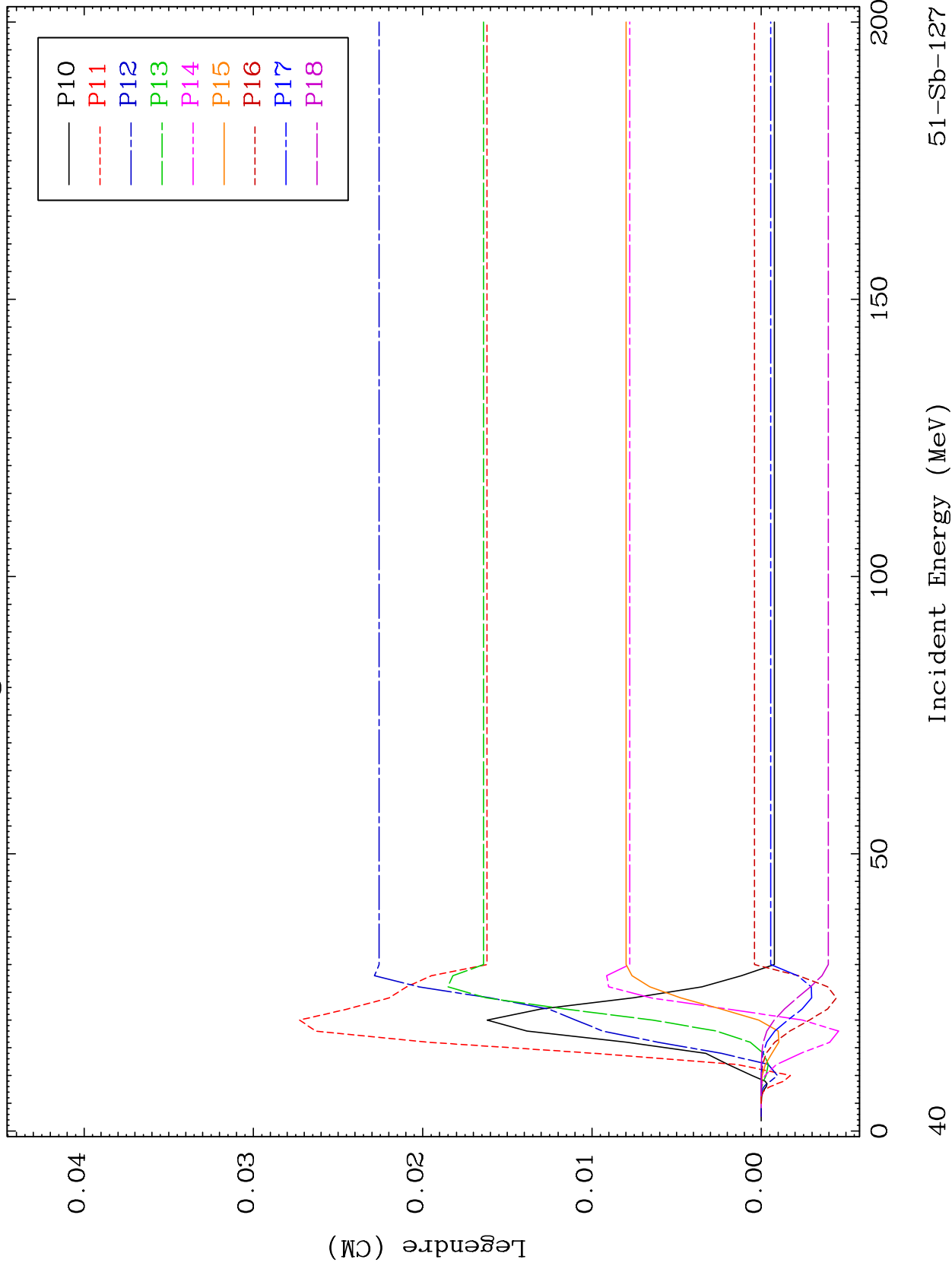
51-Sb-127



MAT 5143

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

51-Sb-127

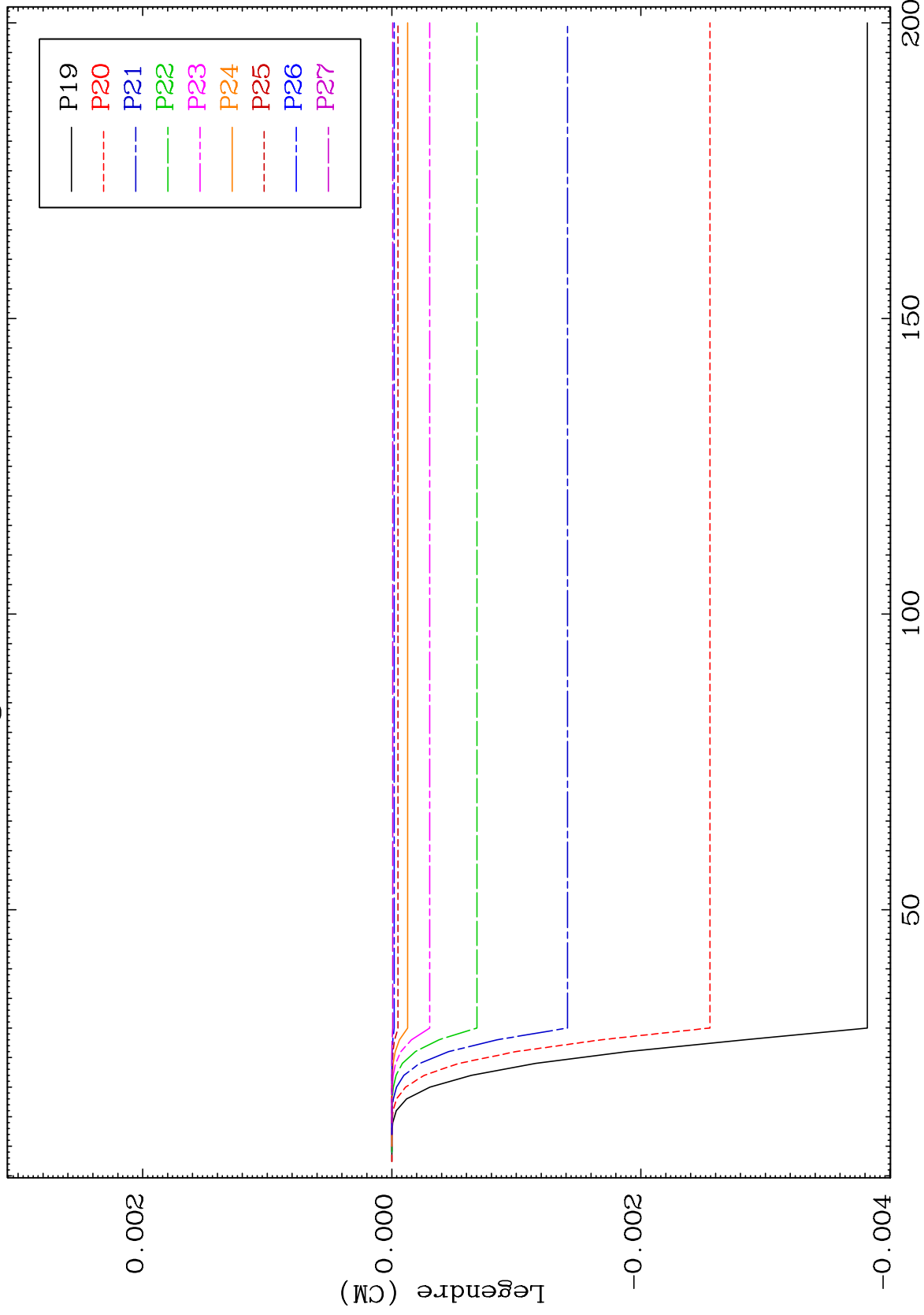


51-Sb-127

MAT 5143

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

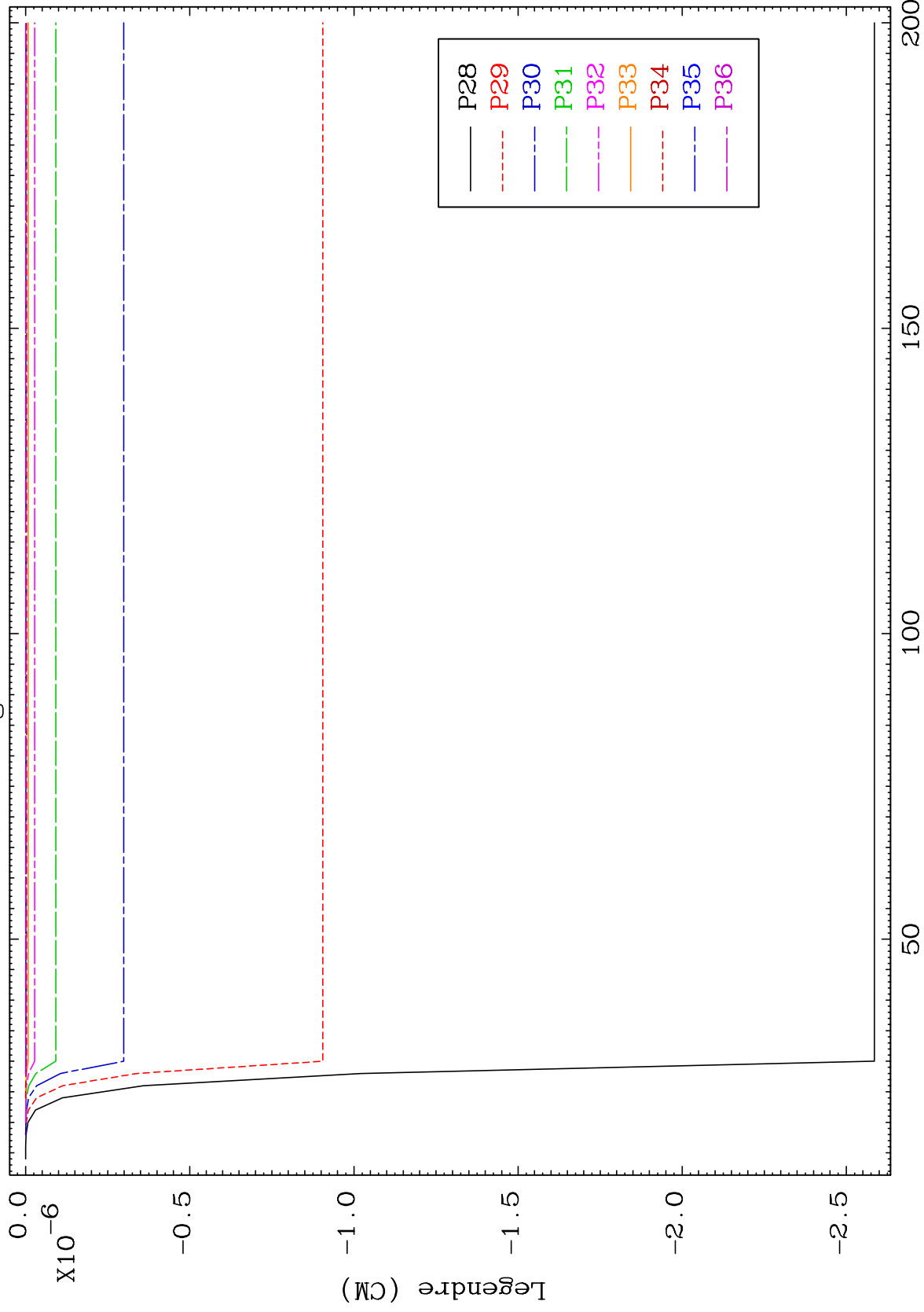
51-Sb-127



MAT 5143

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

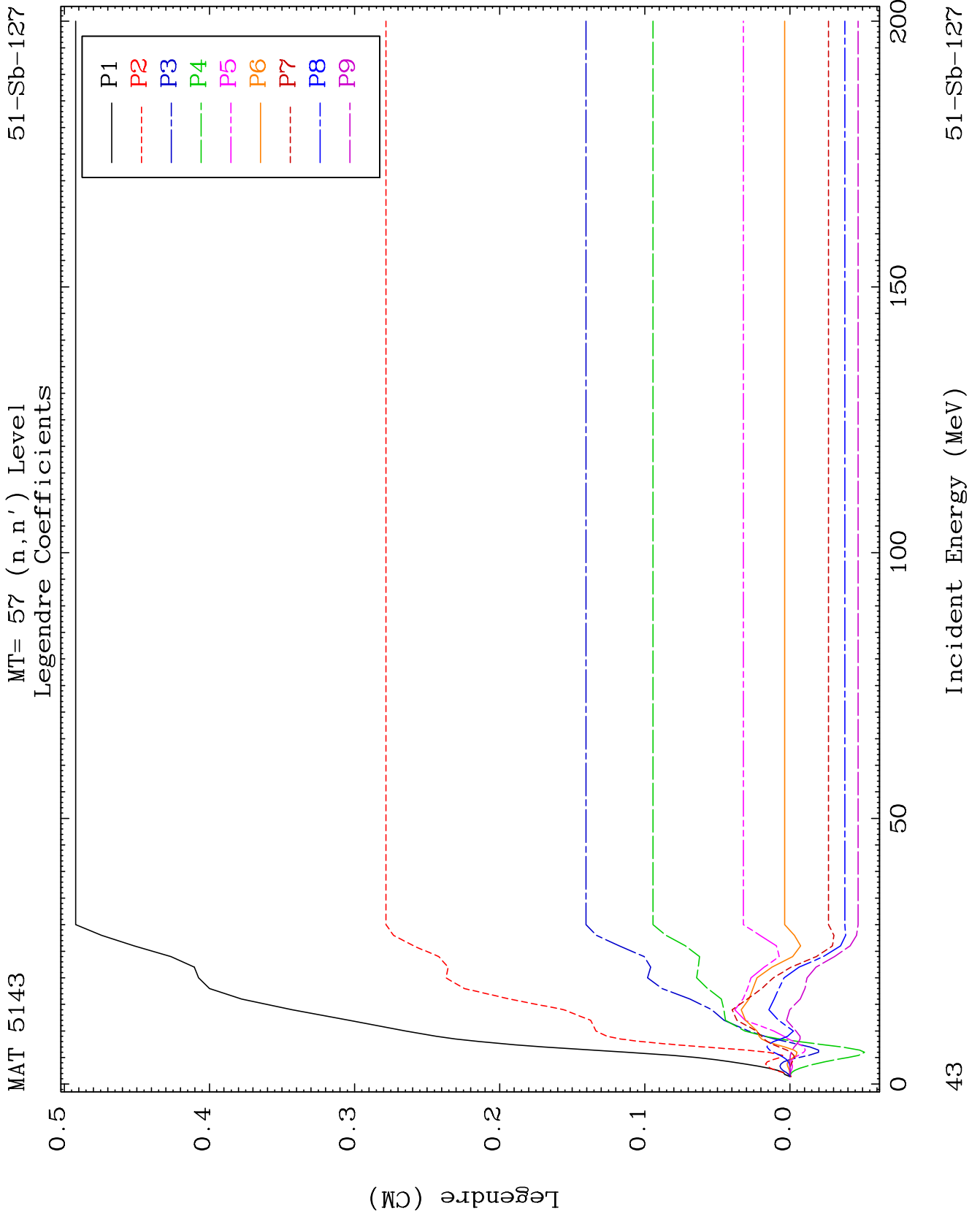
51-Sb-127



42

Incident Energy (MeV)

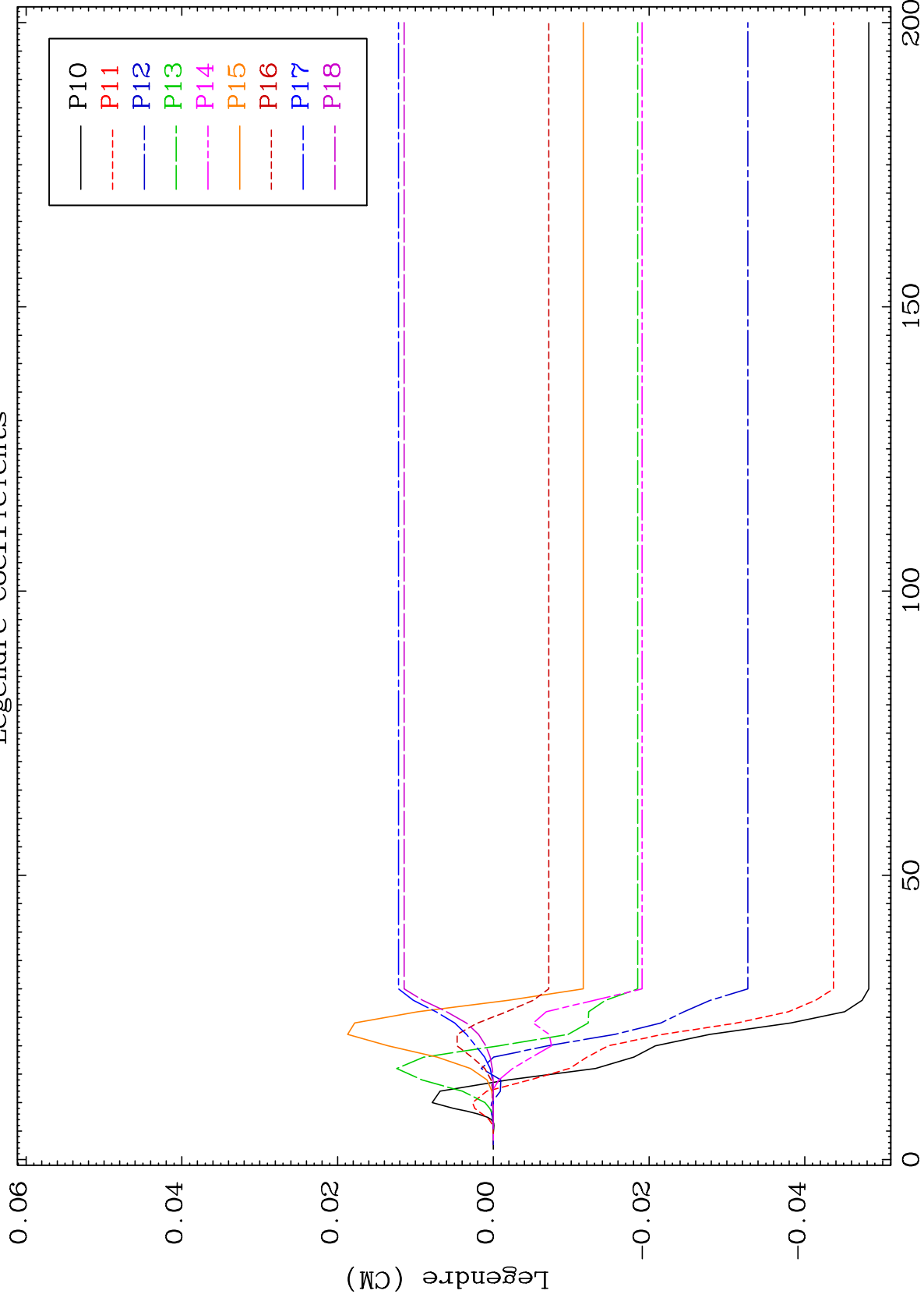
51-Sb-127



MAT 5143

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

51-Sb-127



44

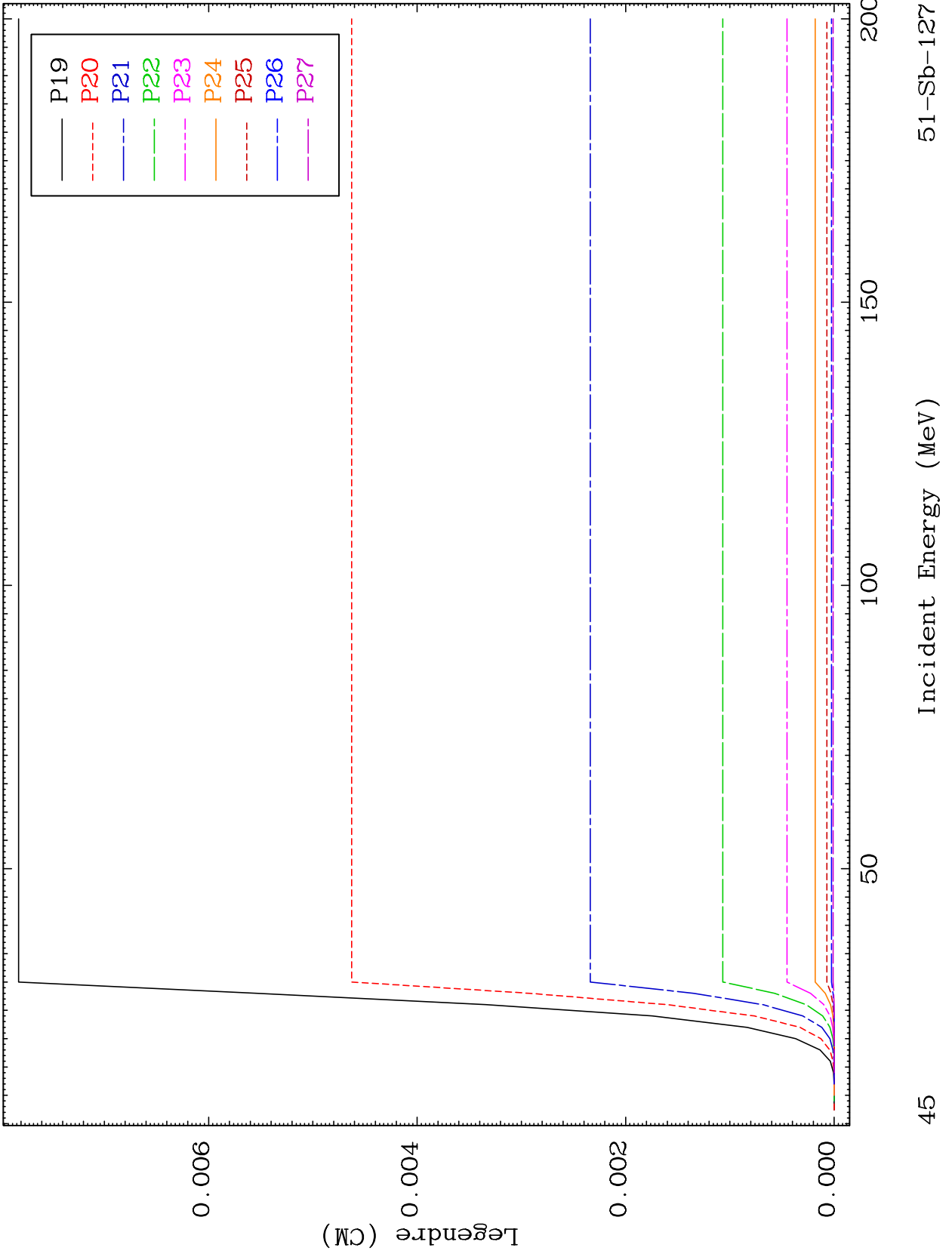
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



51-Sb-127

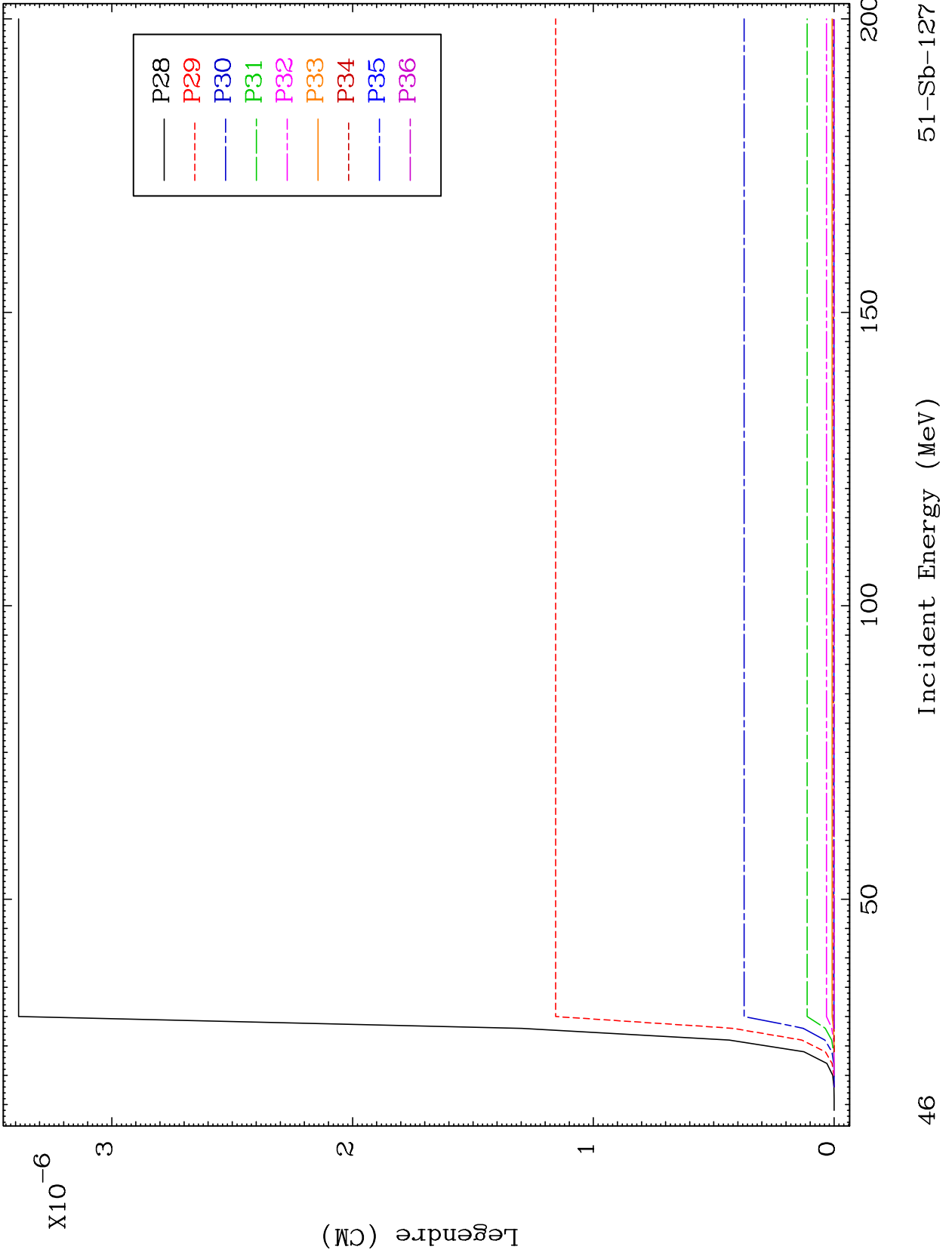
Incident Energy (MeV)

45

MAT 5143

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

51-Sb-127



46

Incident Energy (MeV)

51-Sb-127

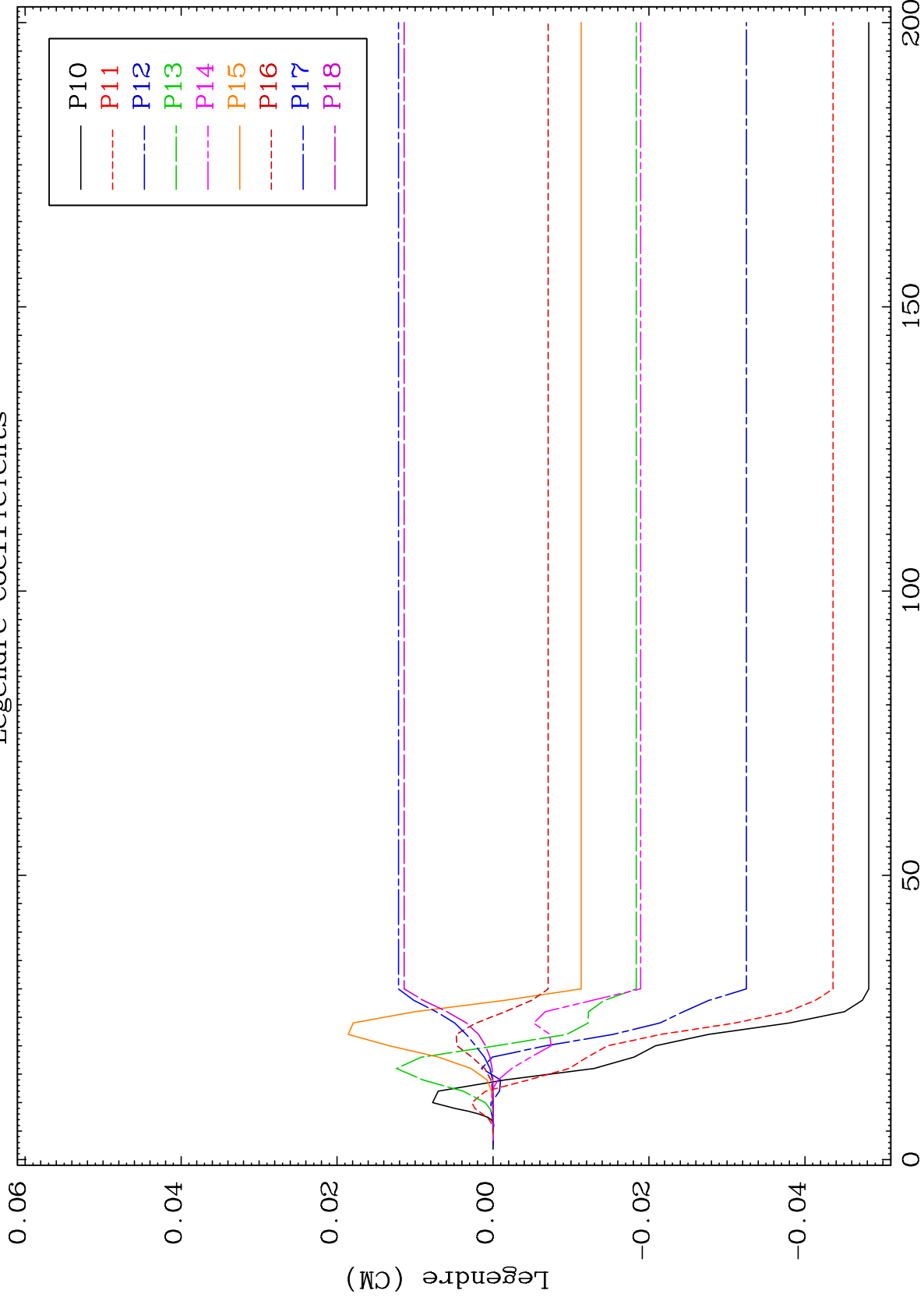




MAT 5143

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

51-Sb-127



48

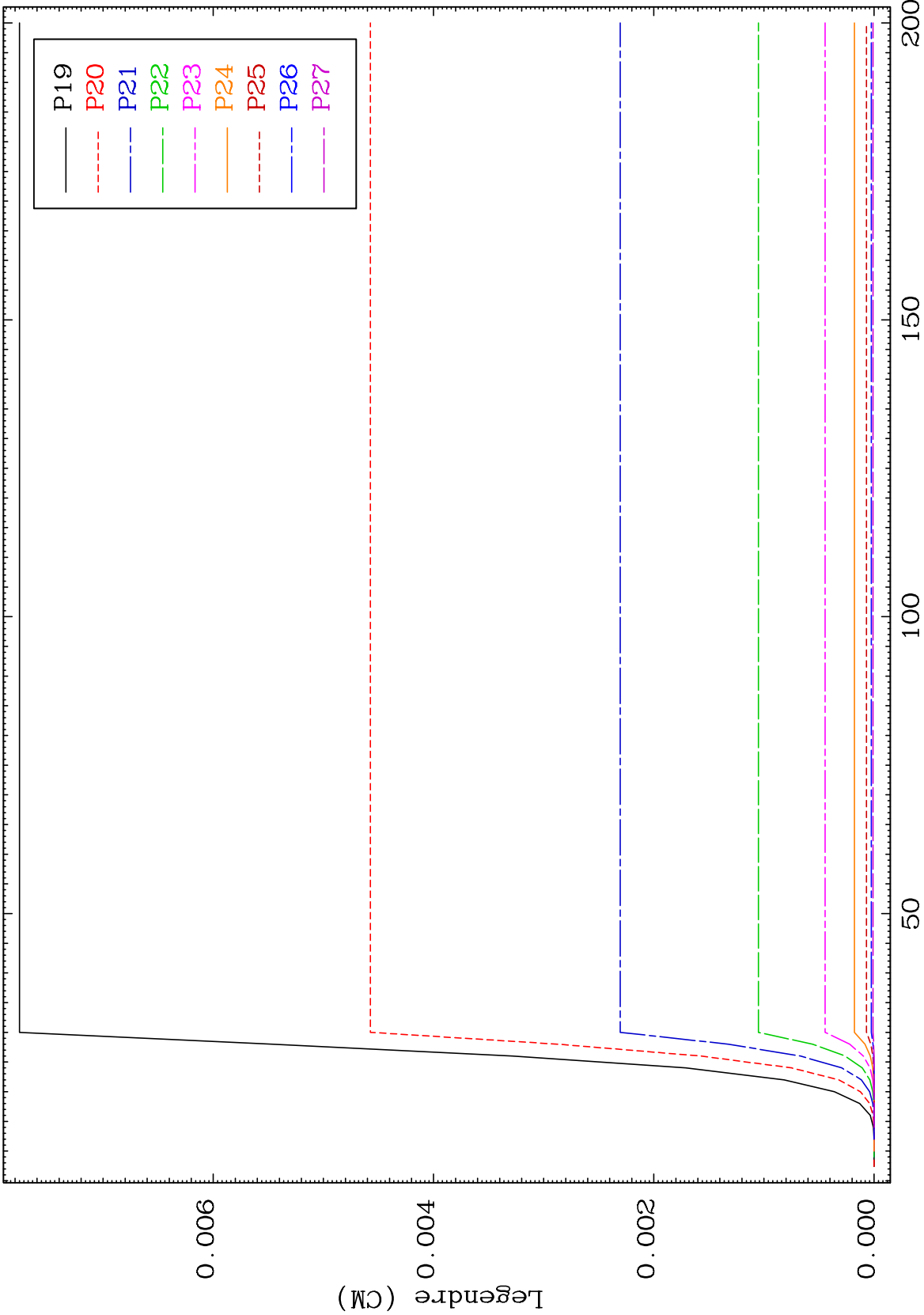
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



49

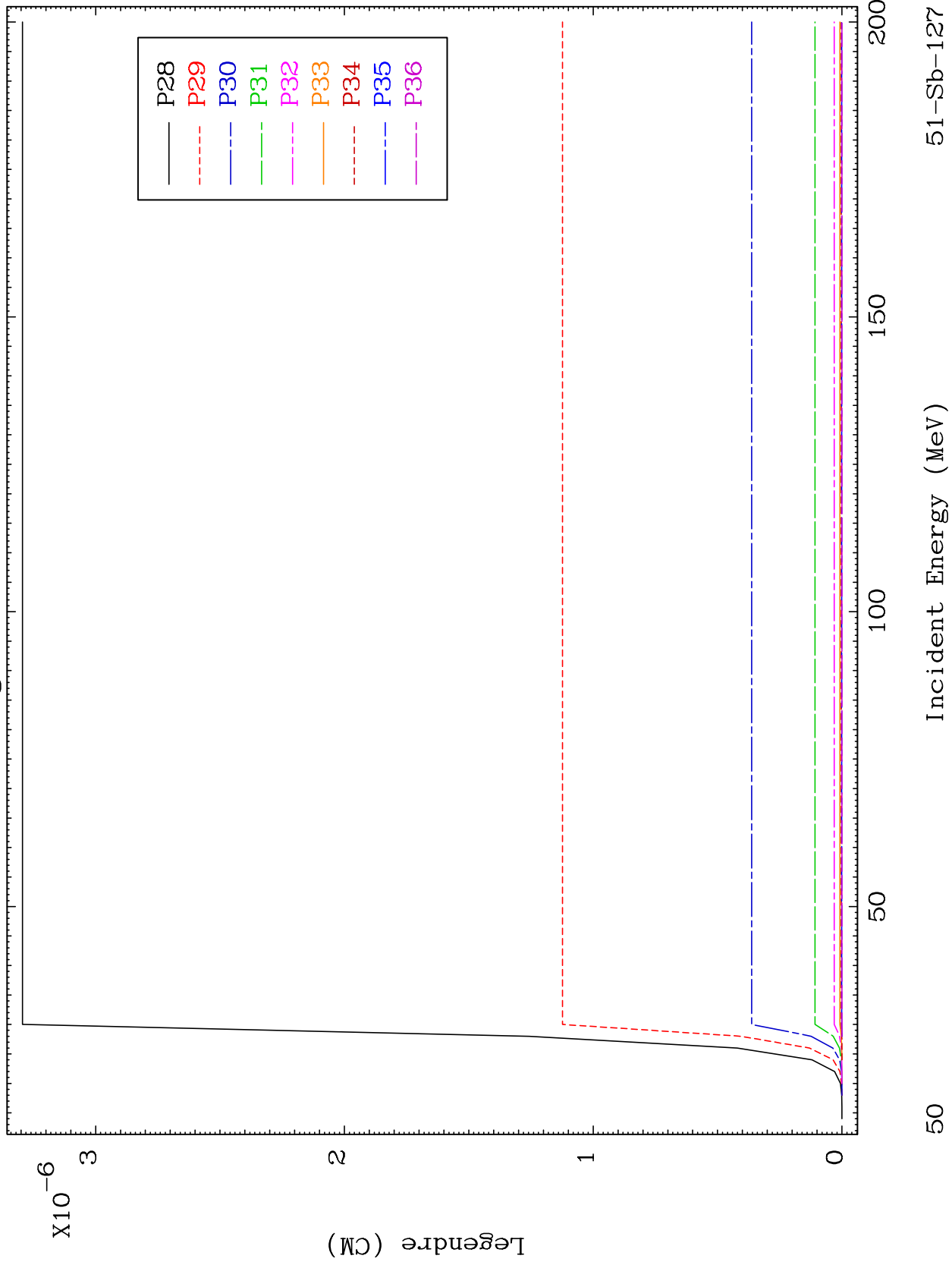
Incident Energy (MeV)

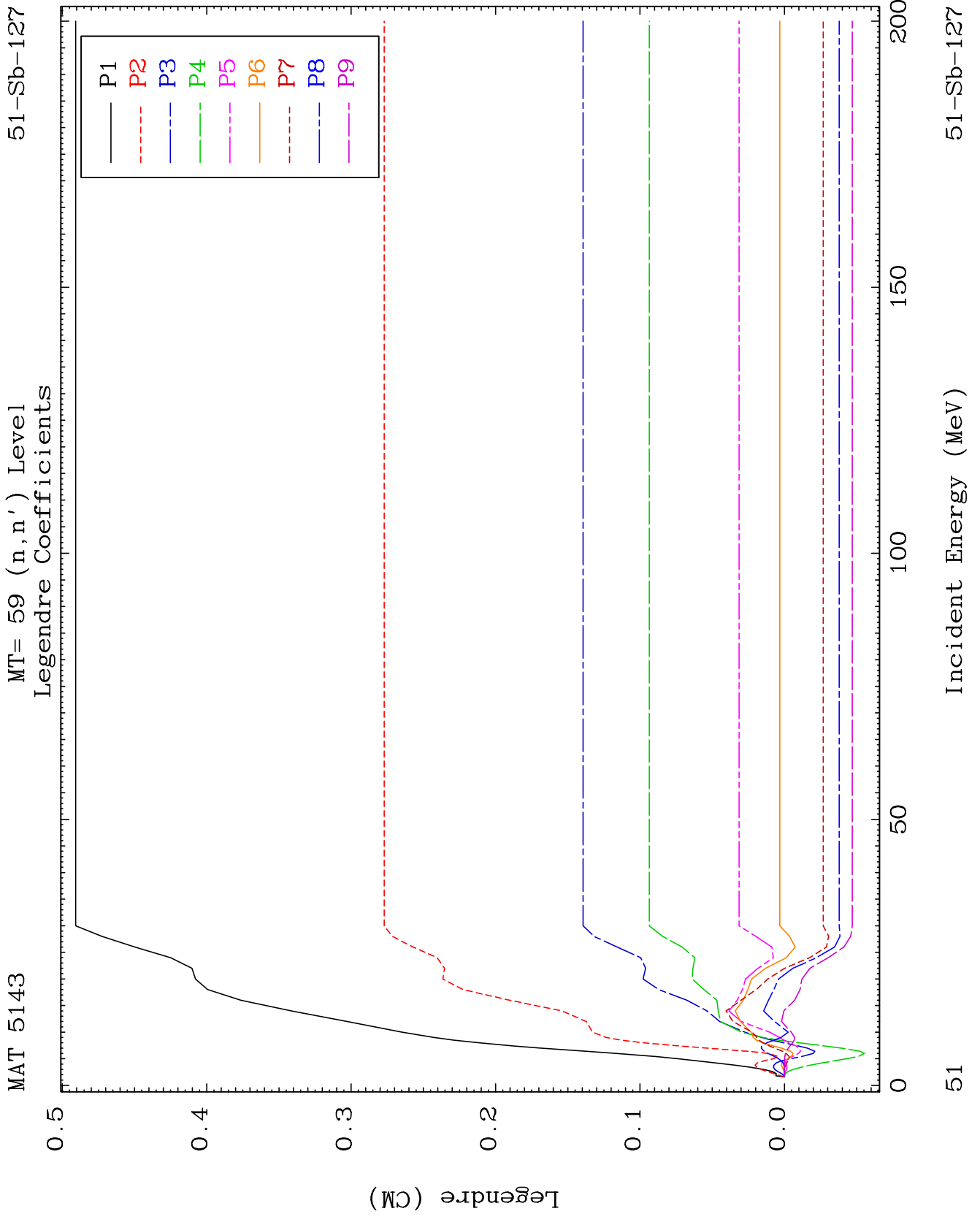
51-Sb-127

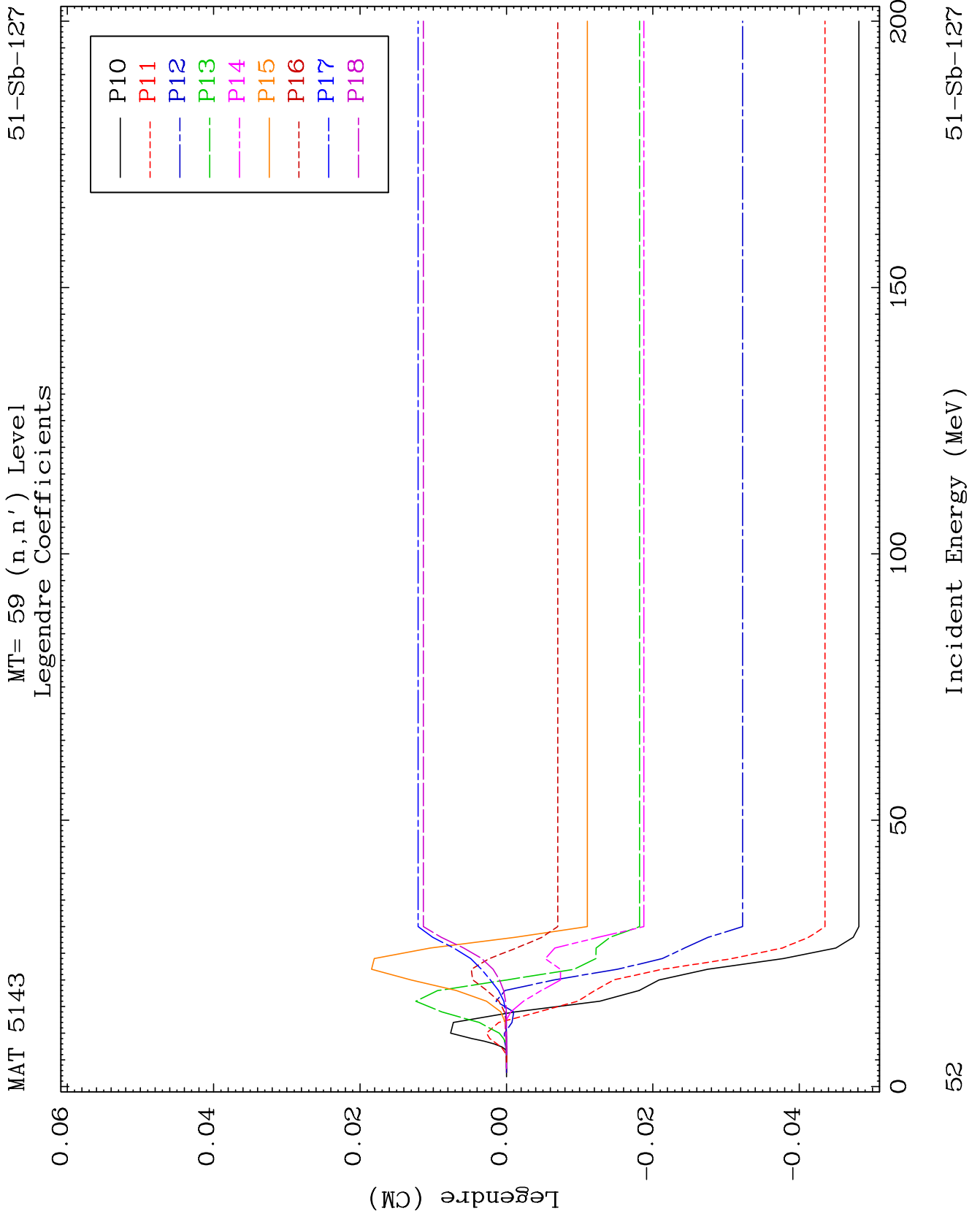
MAT 5143

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

51-Sb-127



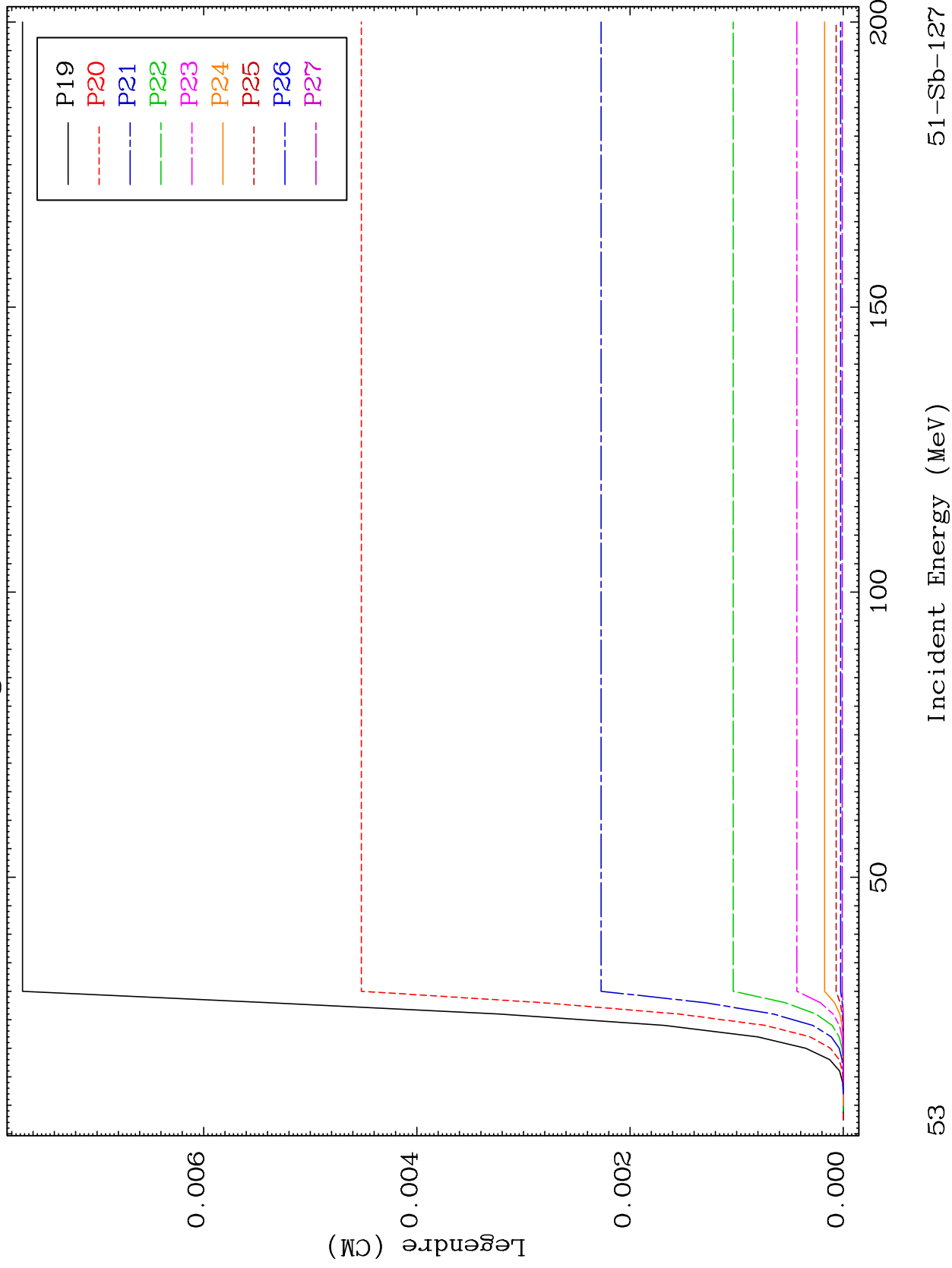




MAT 5143

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

51-Sb-127



53

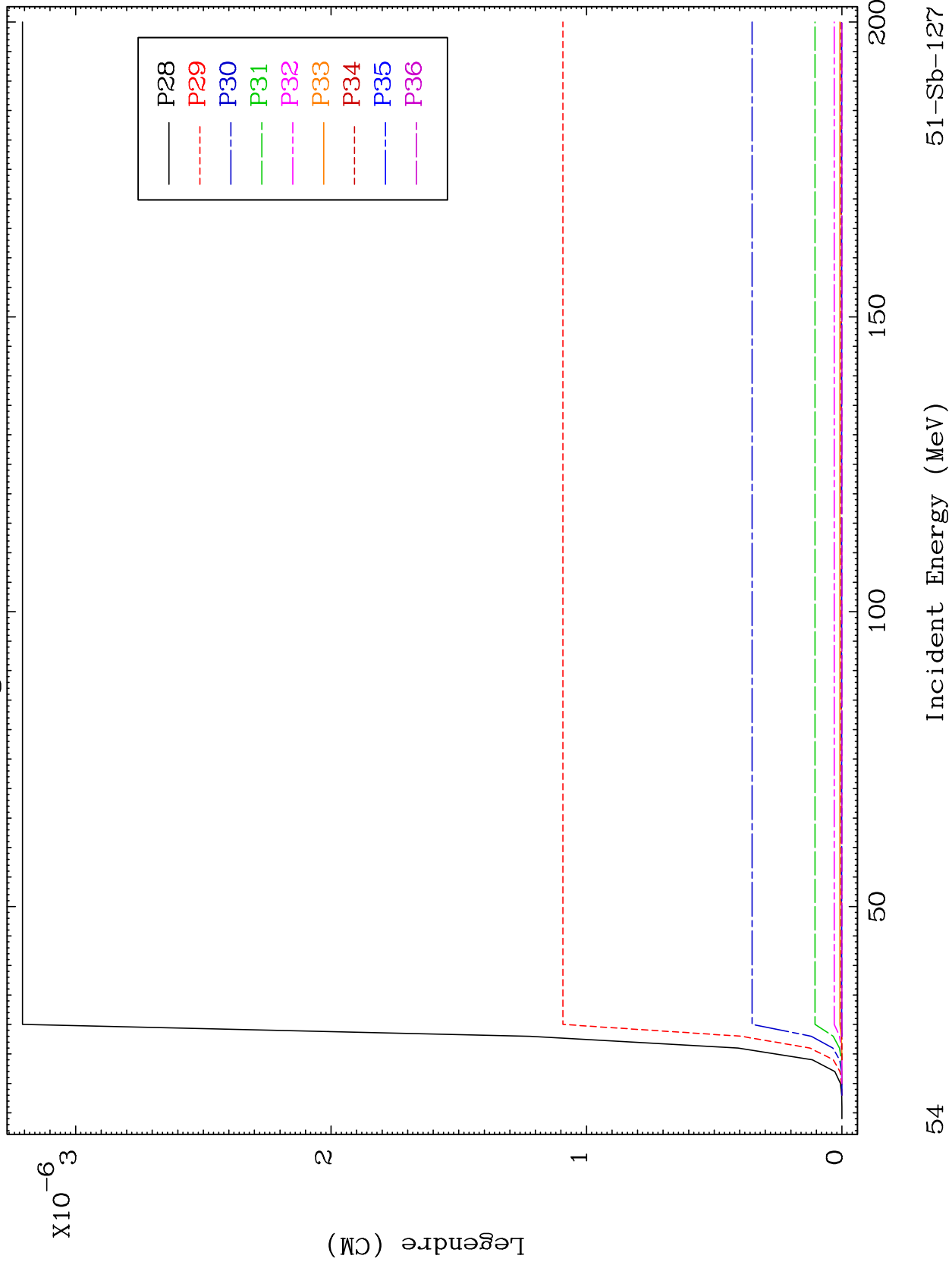
Incident Energy (MeV)

51-Sb-127

MAT 5143

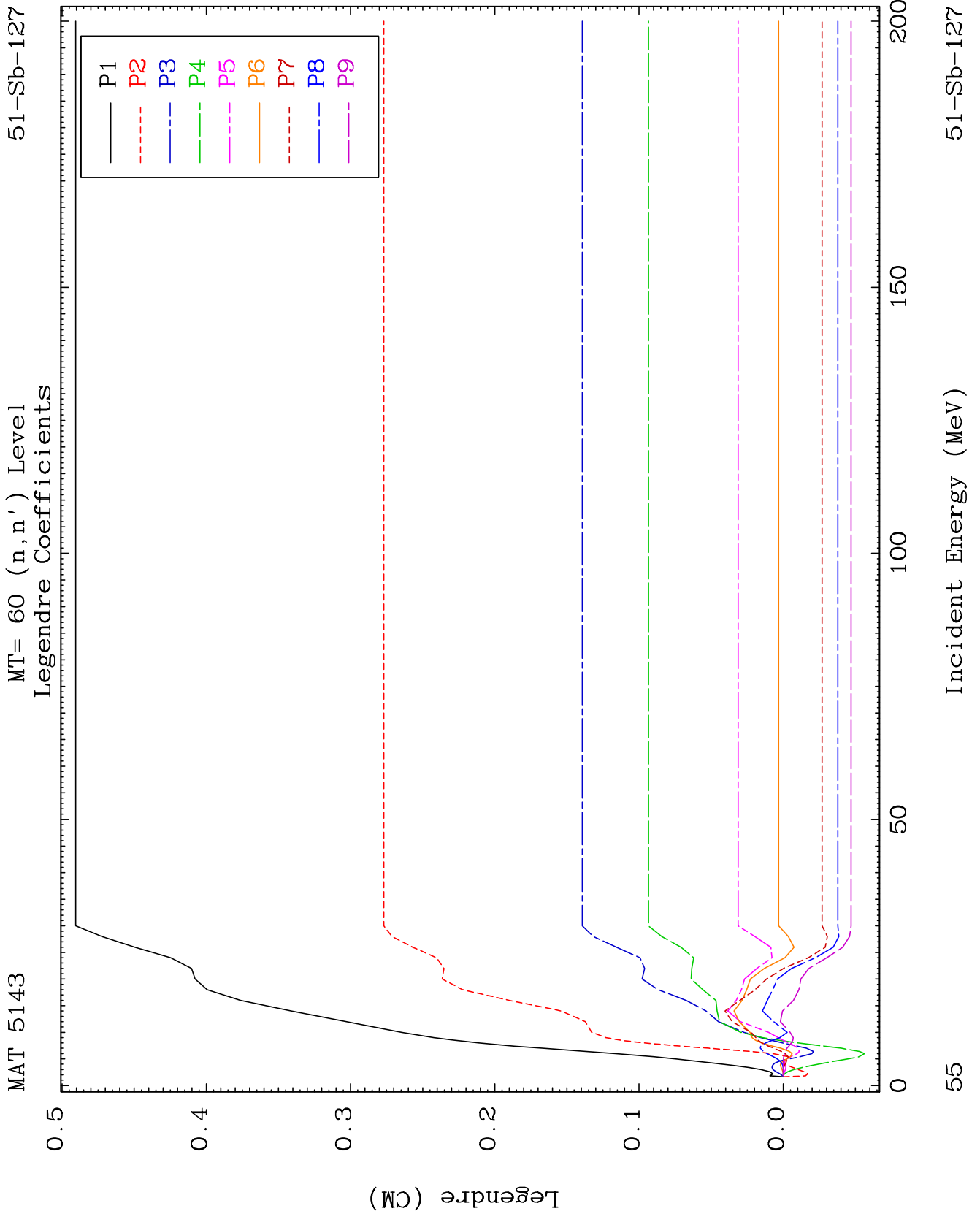
MT= 59 (n,n') Level  
Legendre Coefficients

51-Sb-127



54

51-Sb-127



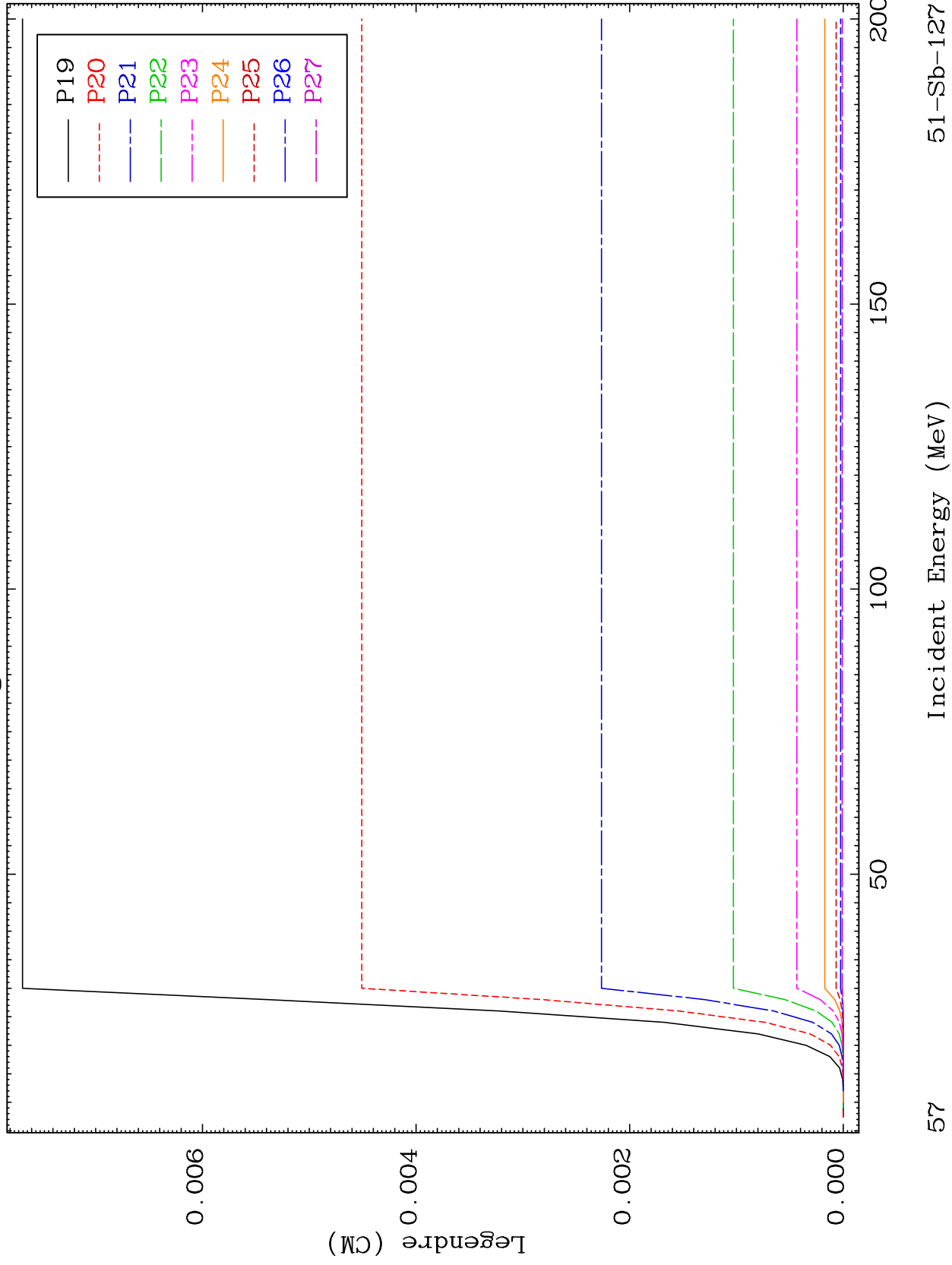




MAT 5143

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

51-Sb-127



57

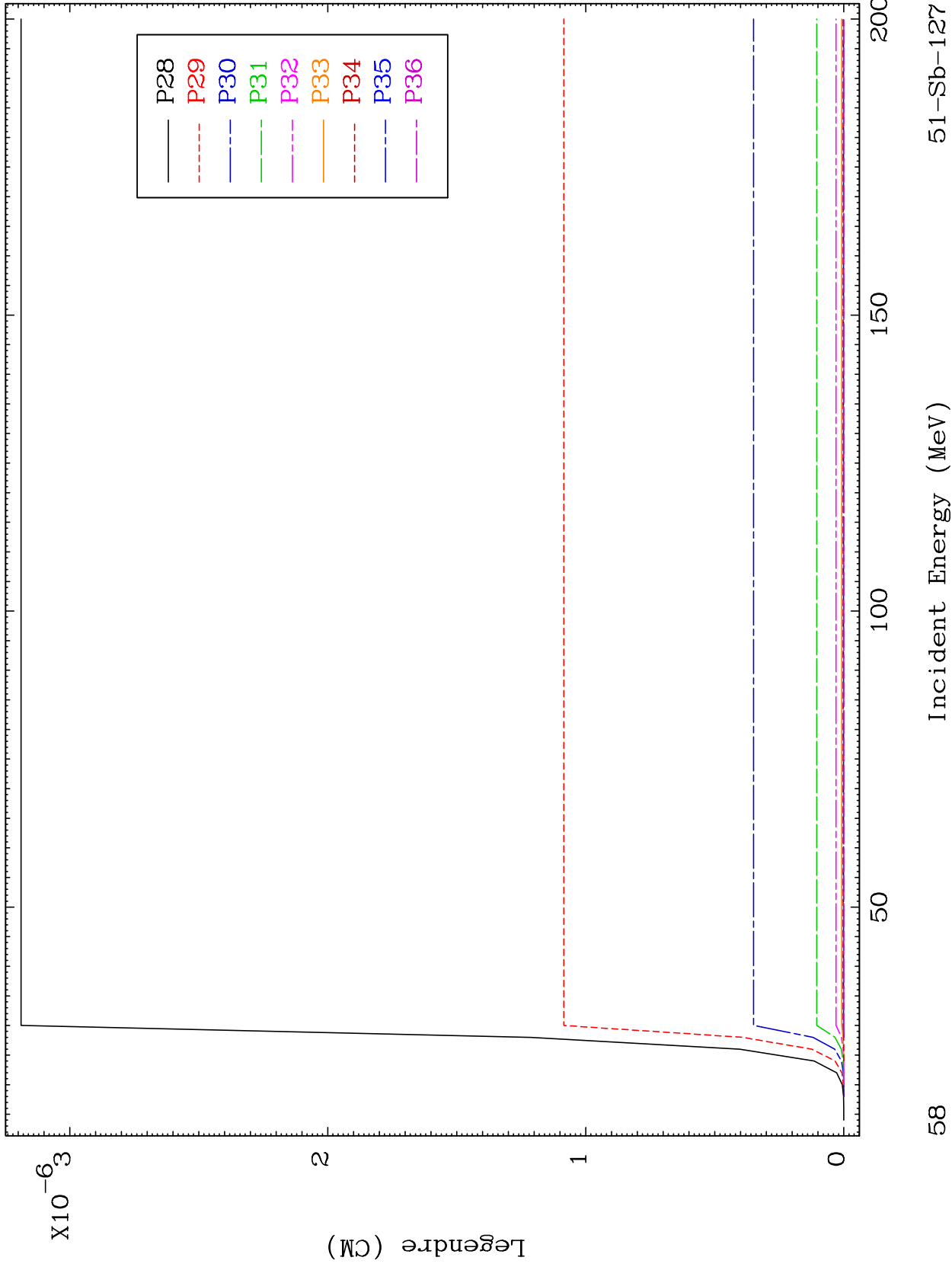
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127

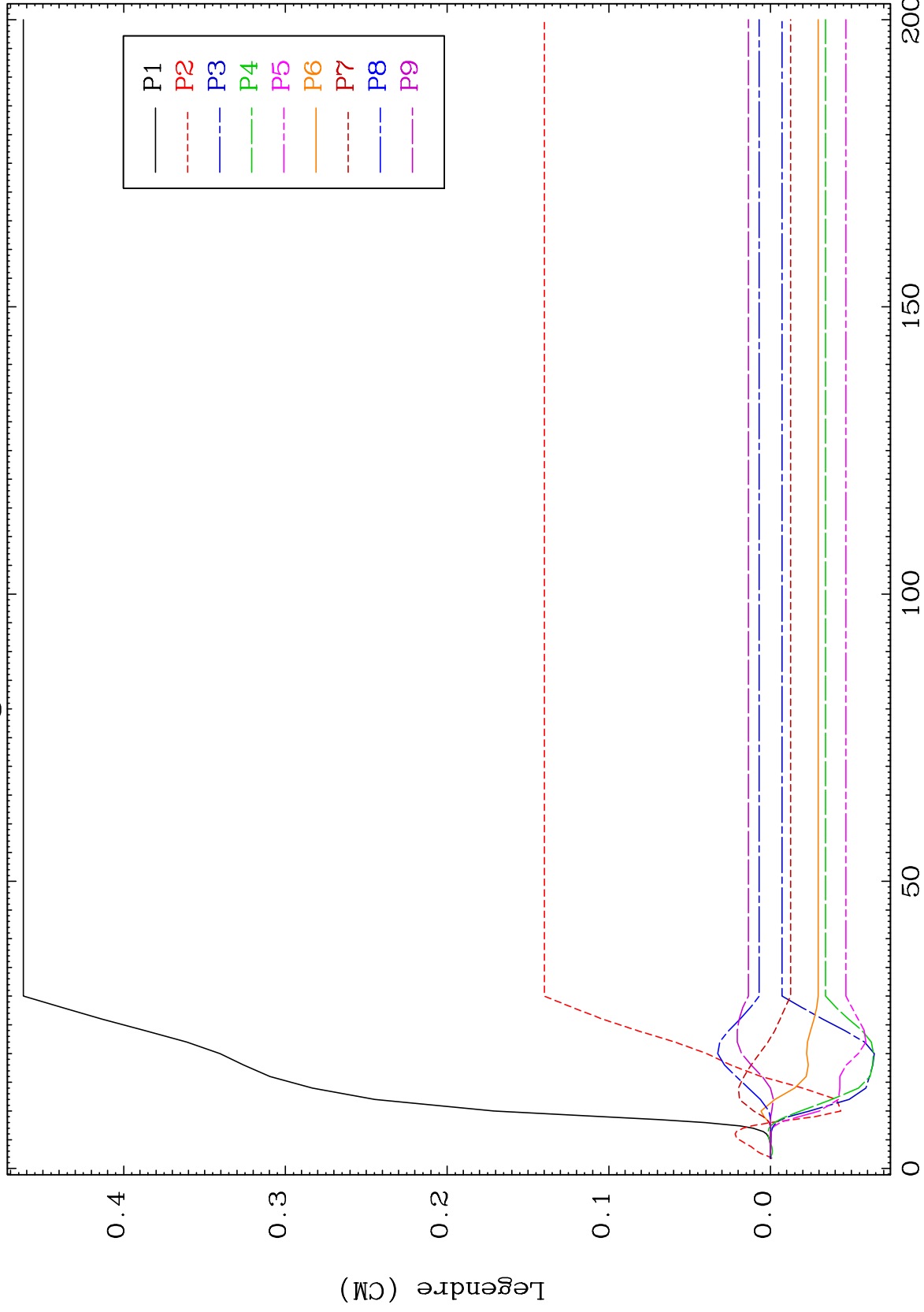


58

MAT 5143

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

51-Sb-127



51-Sb-127

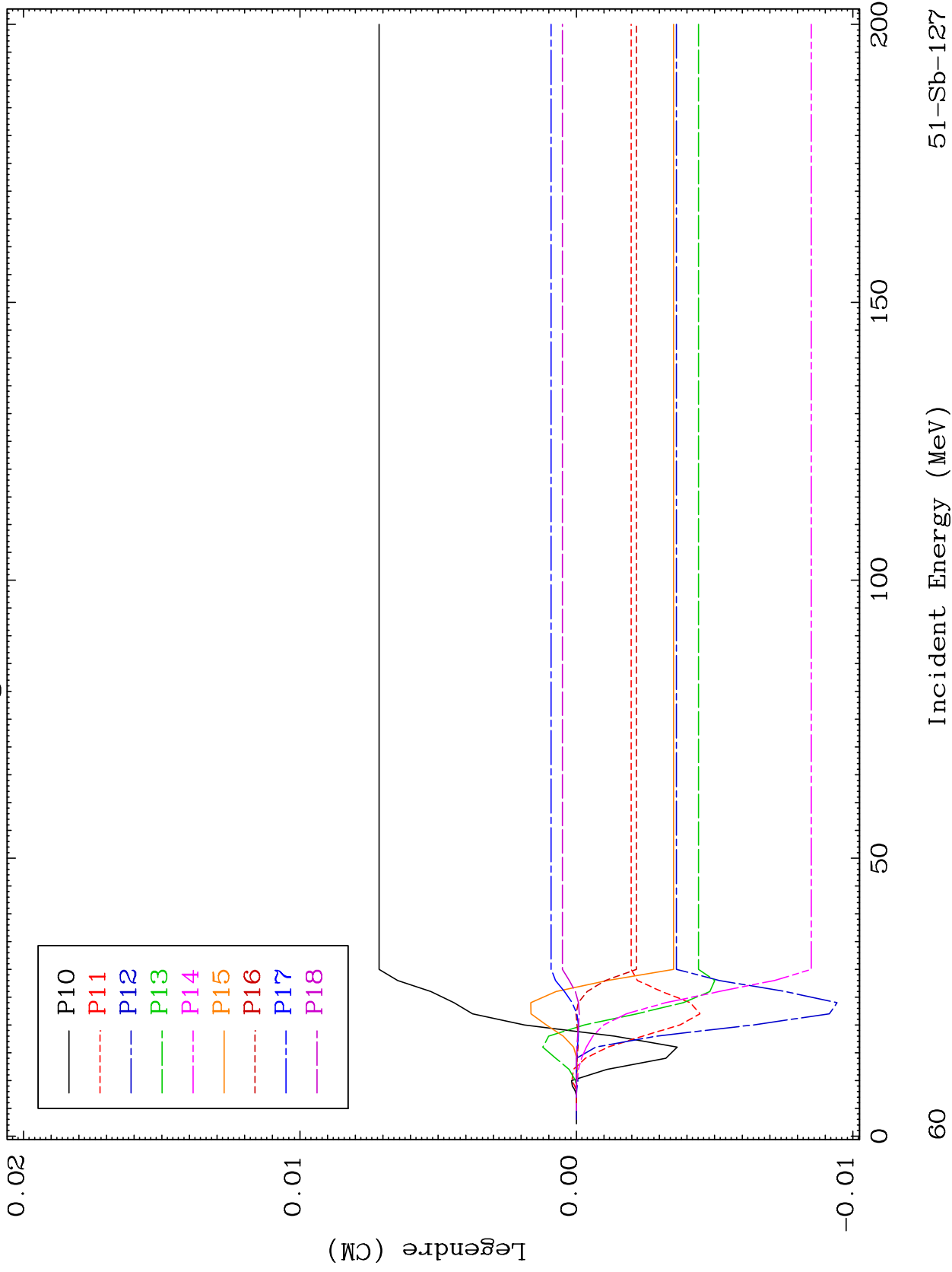
Incident Energy (MeV)

59

MAT 5143

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

51-Sb-127



51-Sb-127

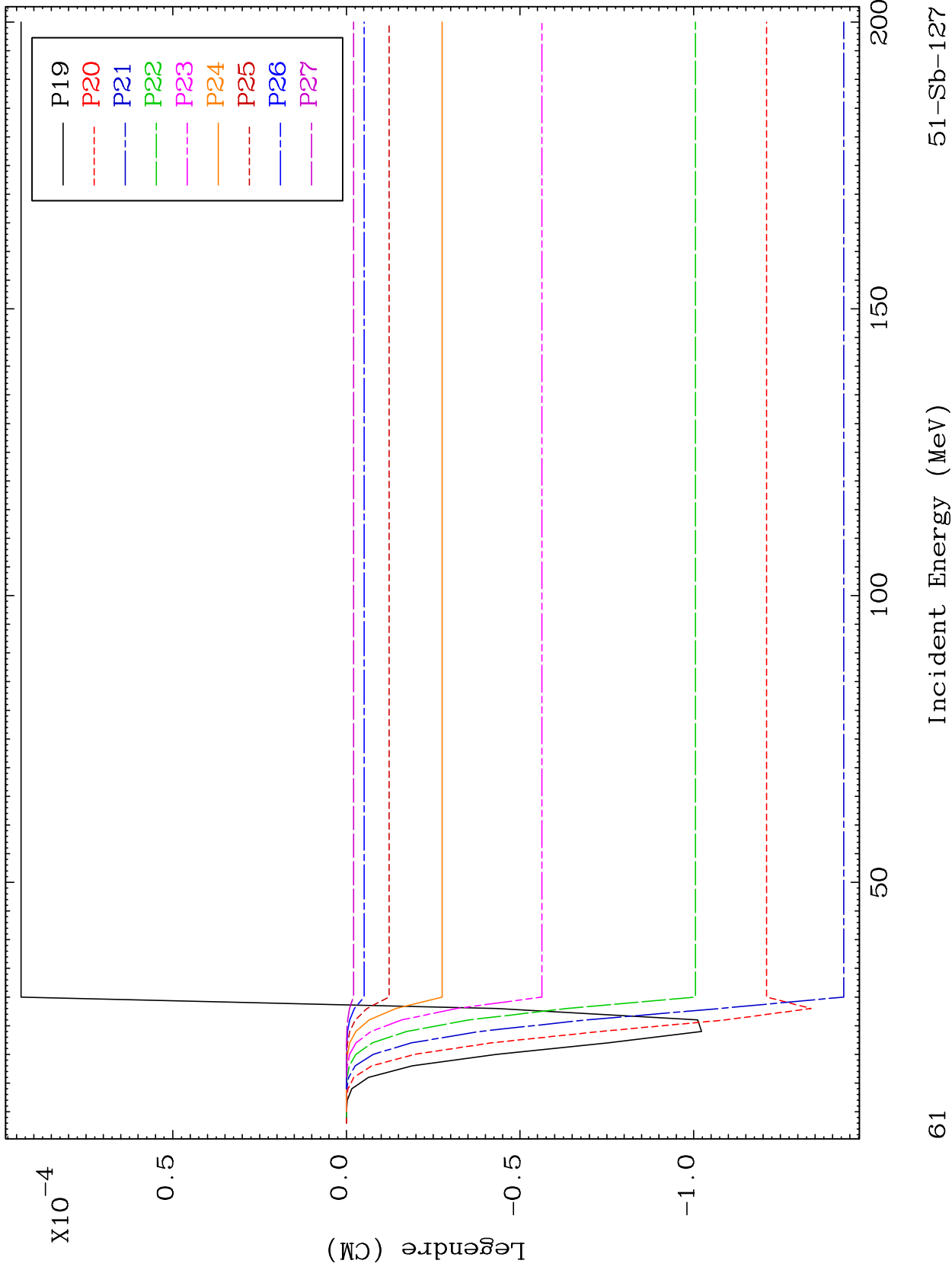
Incident Energy (MeV)

60

MAT 5143

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

51-Sb-127



61

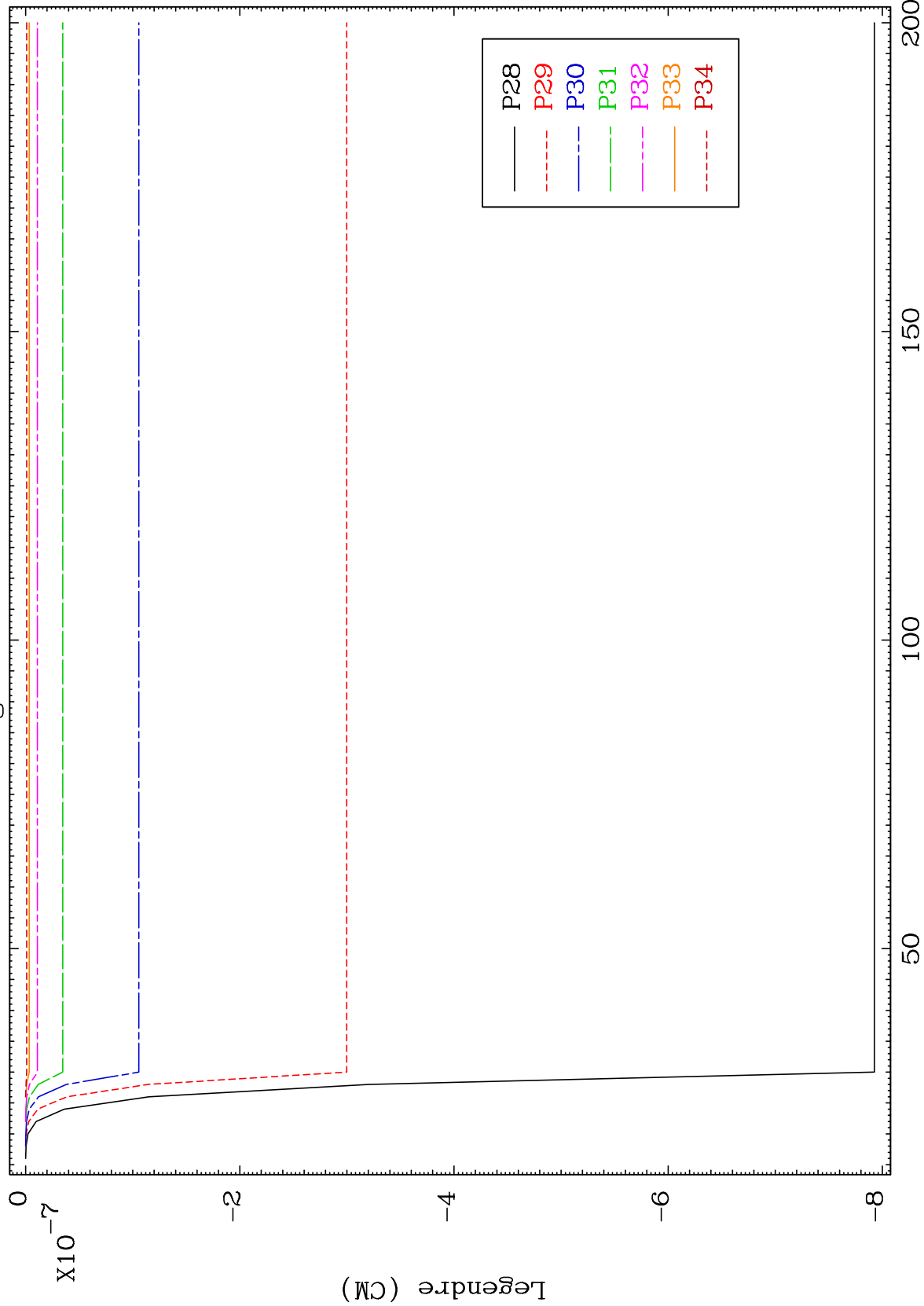
51-Sb-127

MAT 5143

MT= 61 (n,n') Level

51-Sb-127

Legendre Coefficients



62

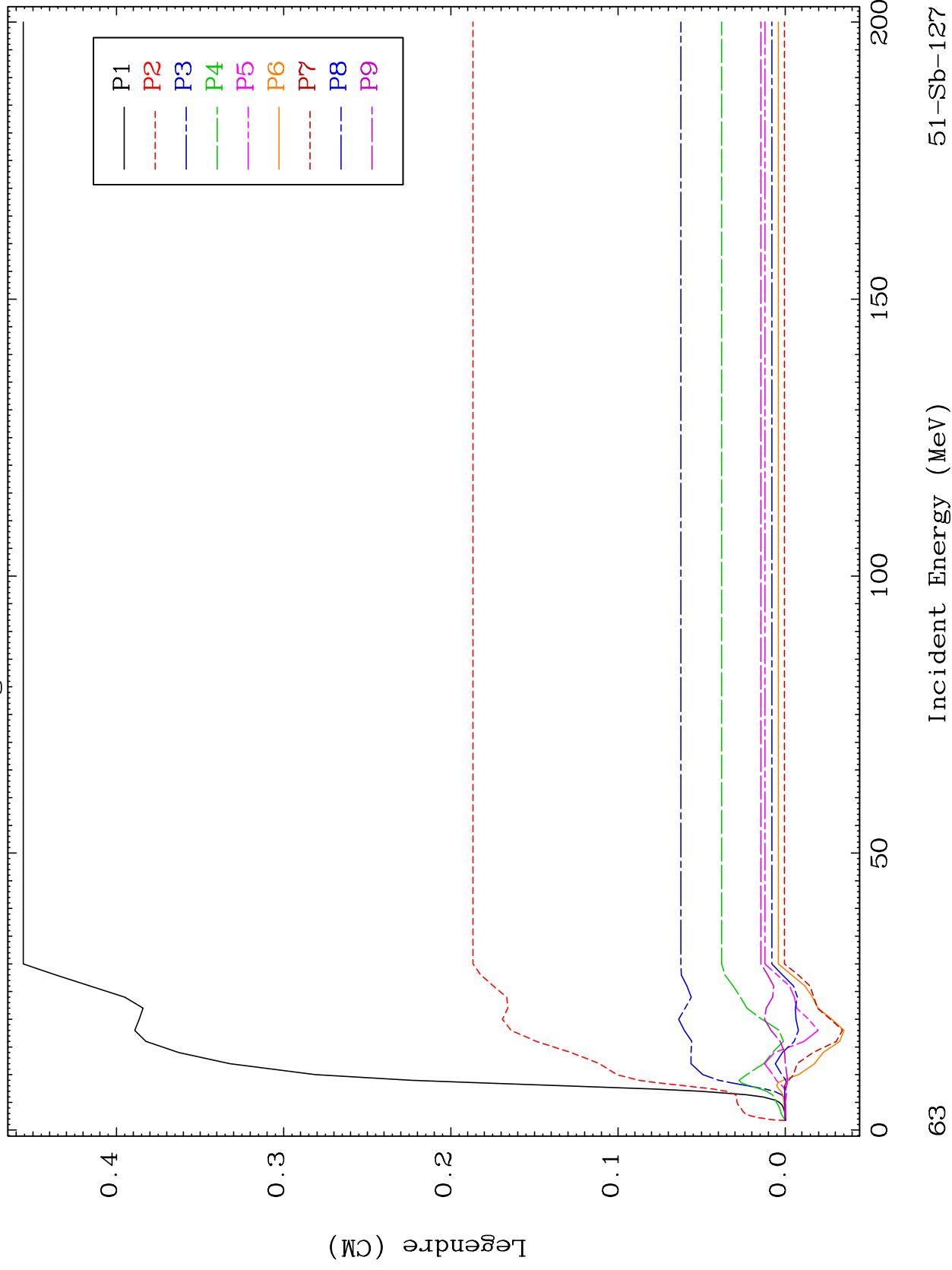
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



51-Sb-127

Incident Energy (MeV)

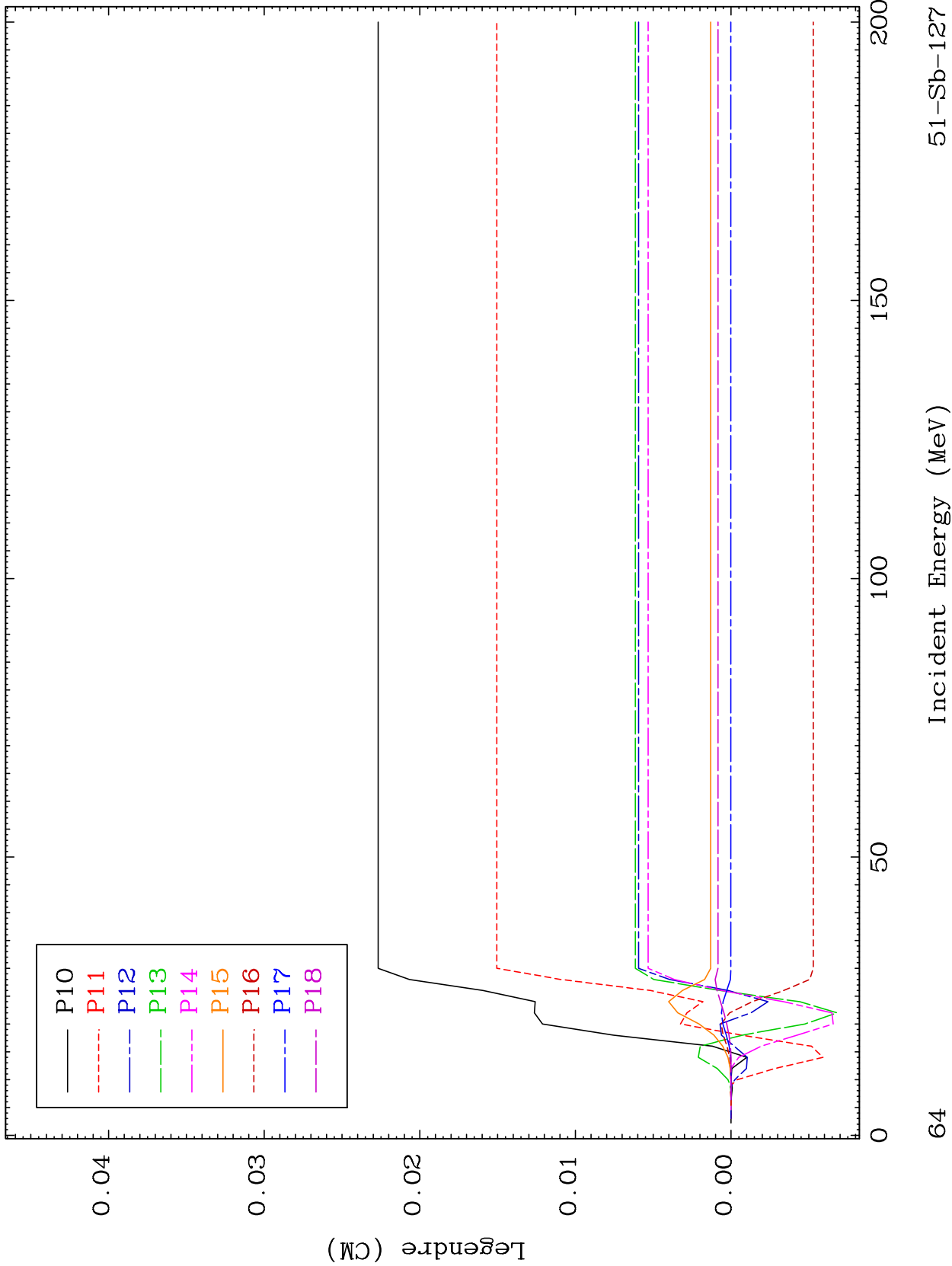
63



MAT 5143

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

51-Sb-127



64

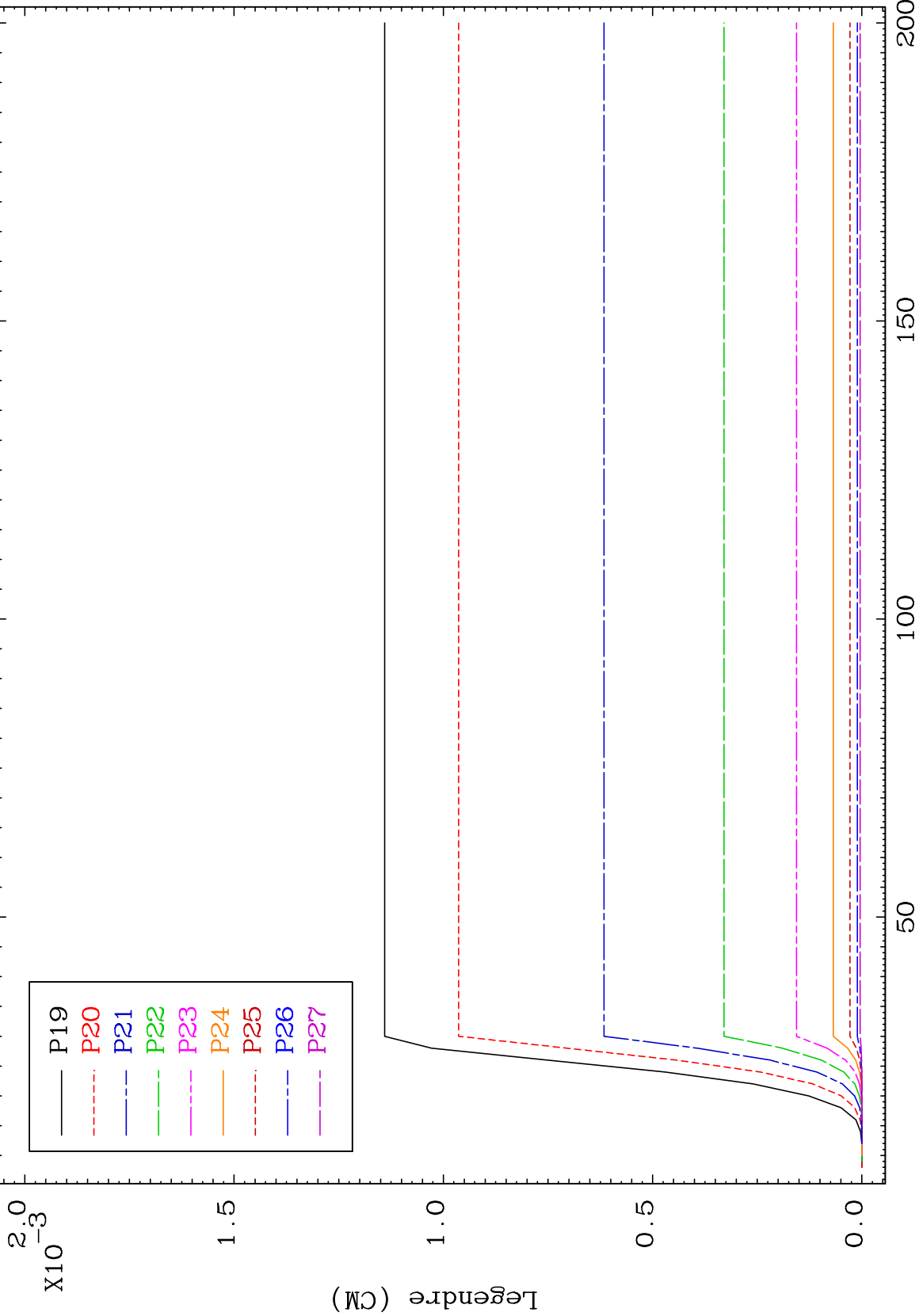
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

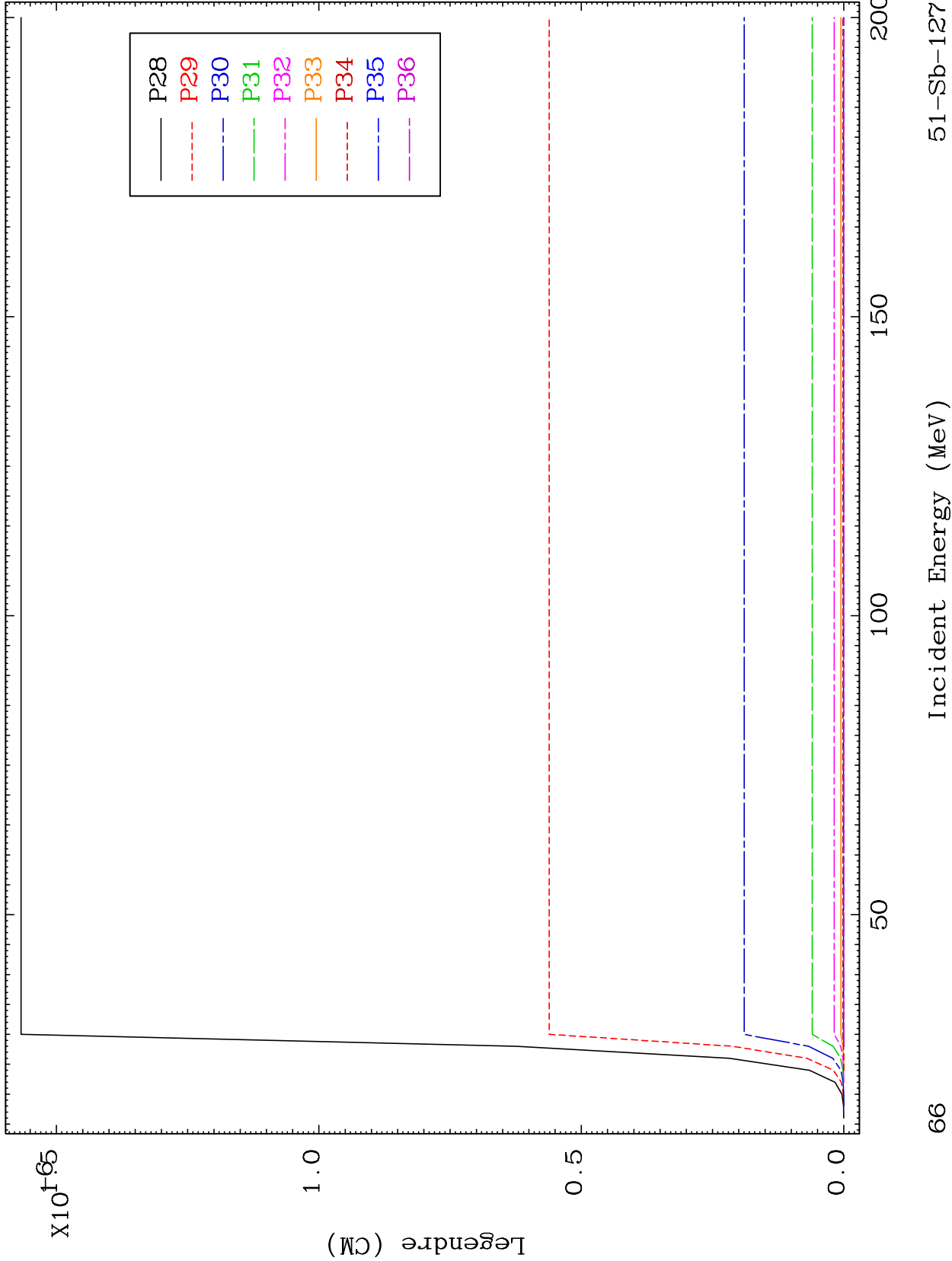
51-Sb-127



65

Incident Energy (MeV)

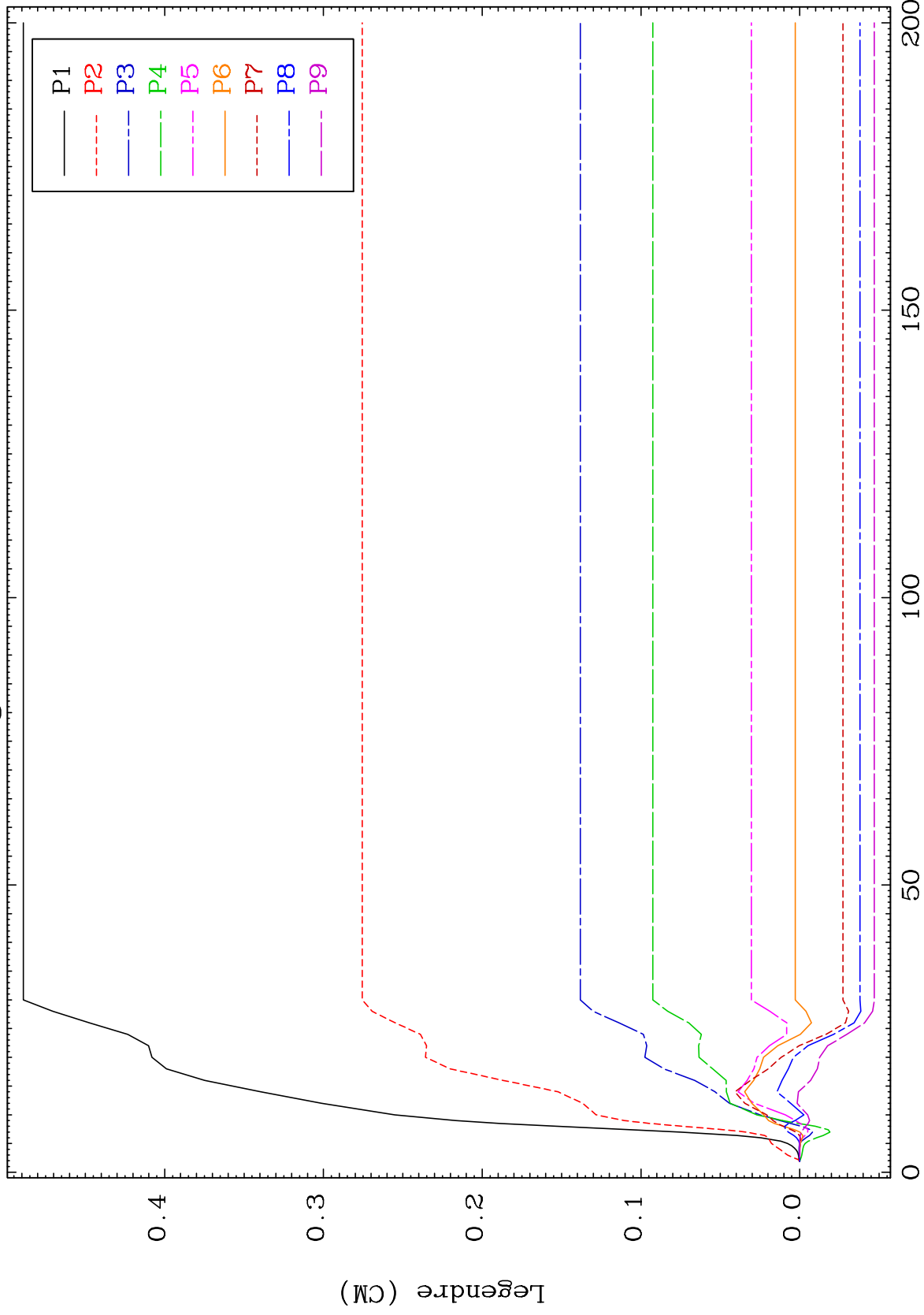
51-Sb-127



MAT 5143

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

51-Sb-127



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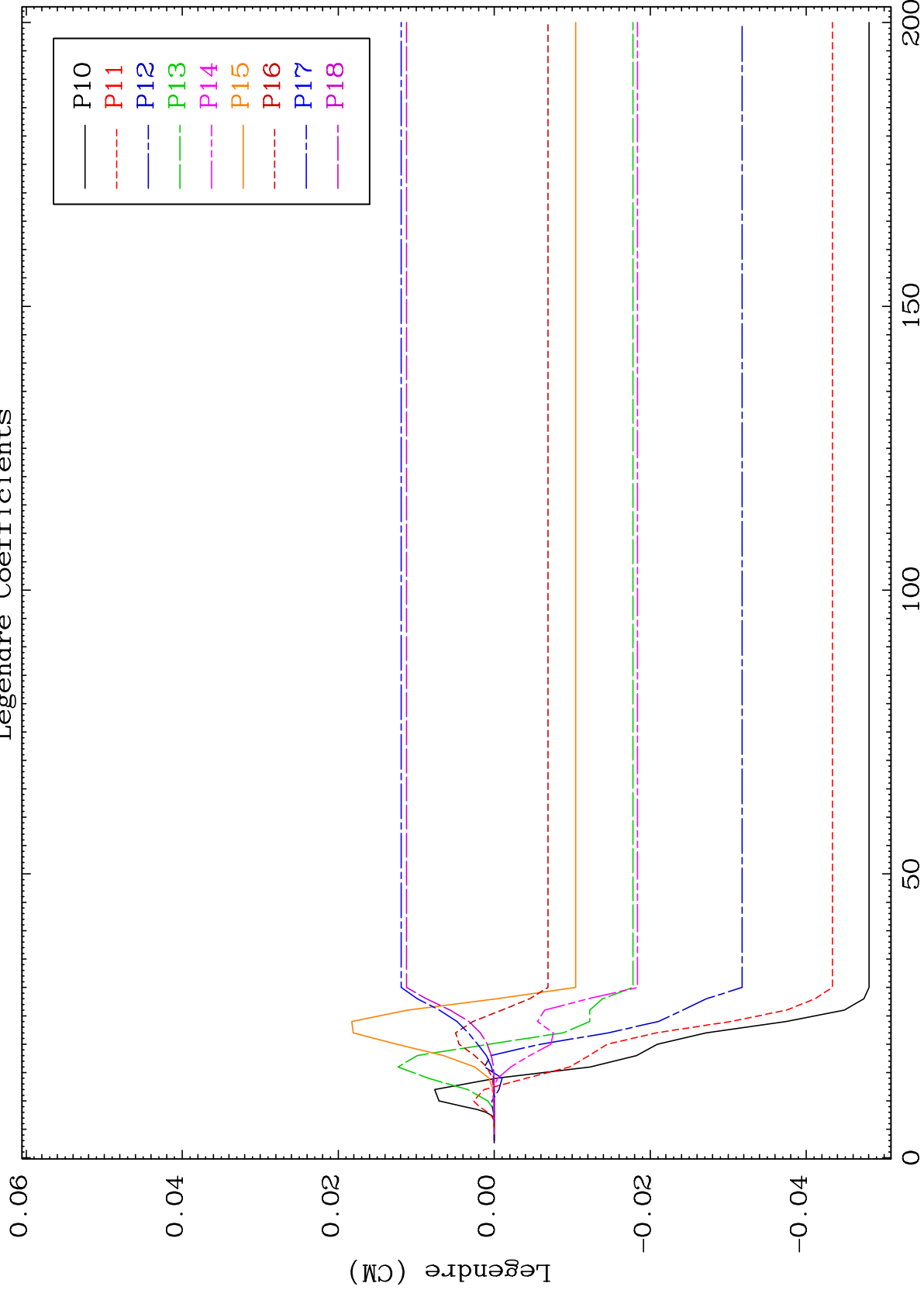
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



68

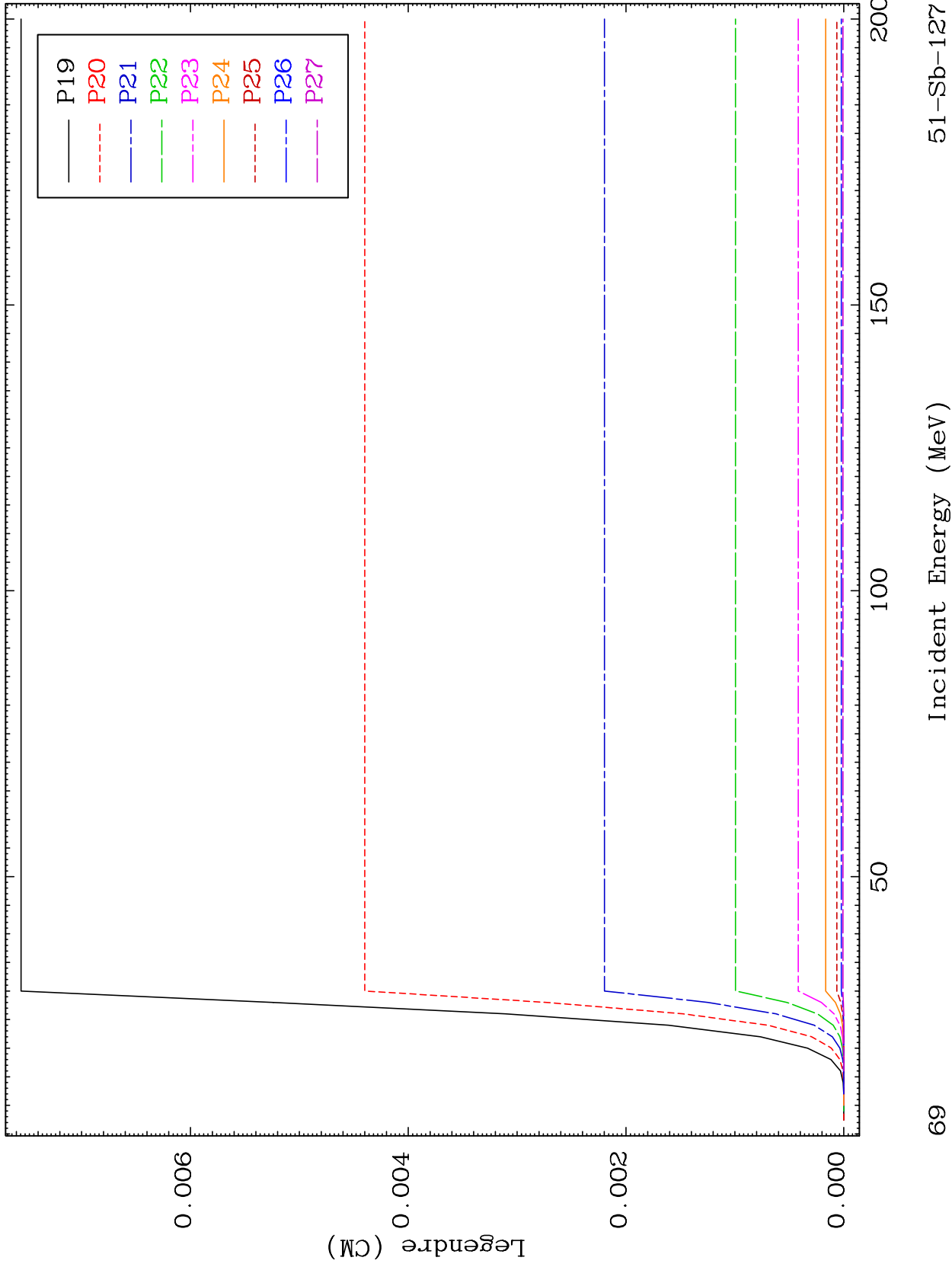
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

51-Sb-127



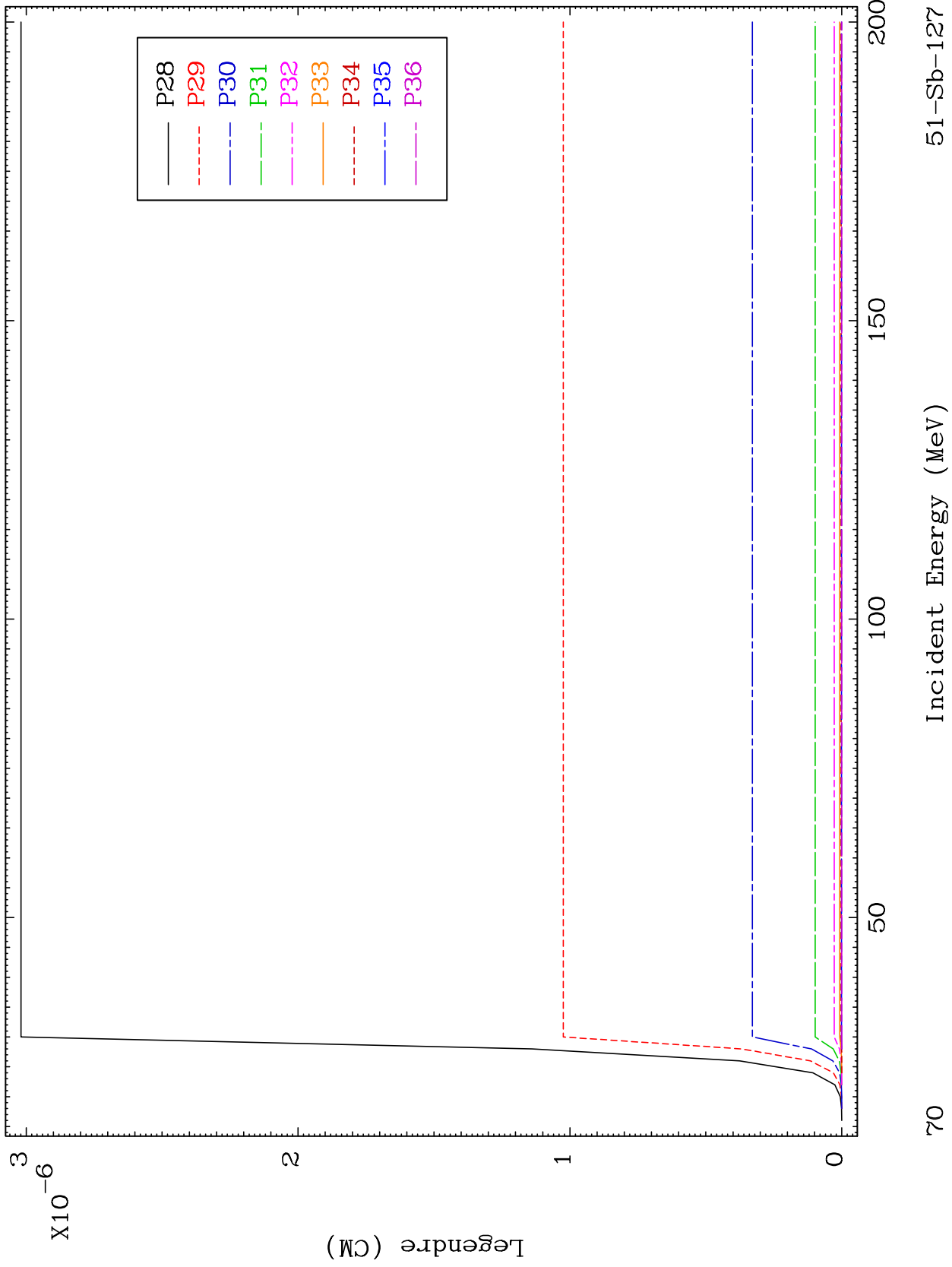
69

51-Sb-127

MAT 5143

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

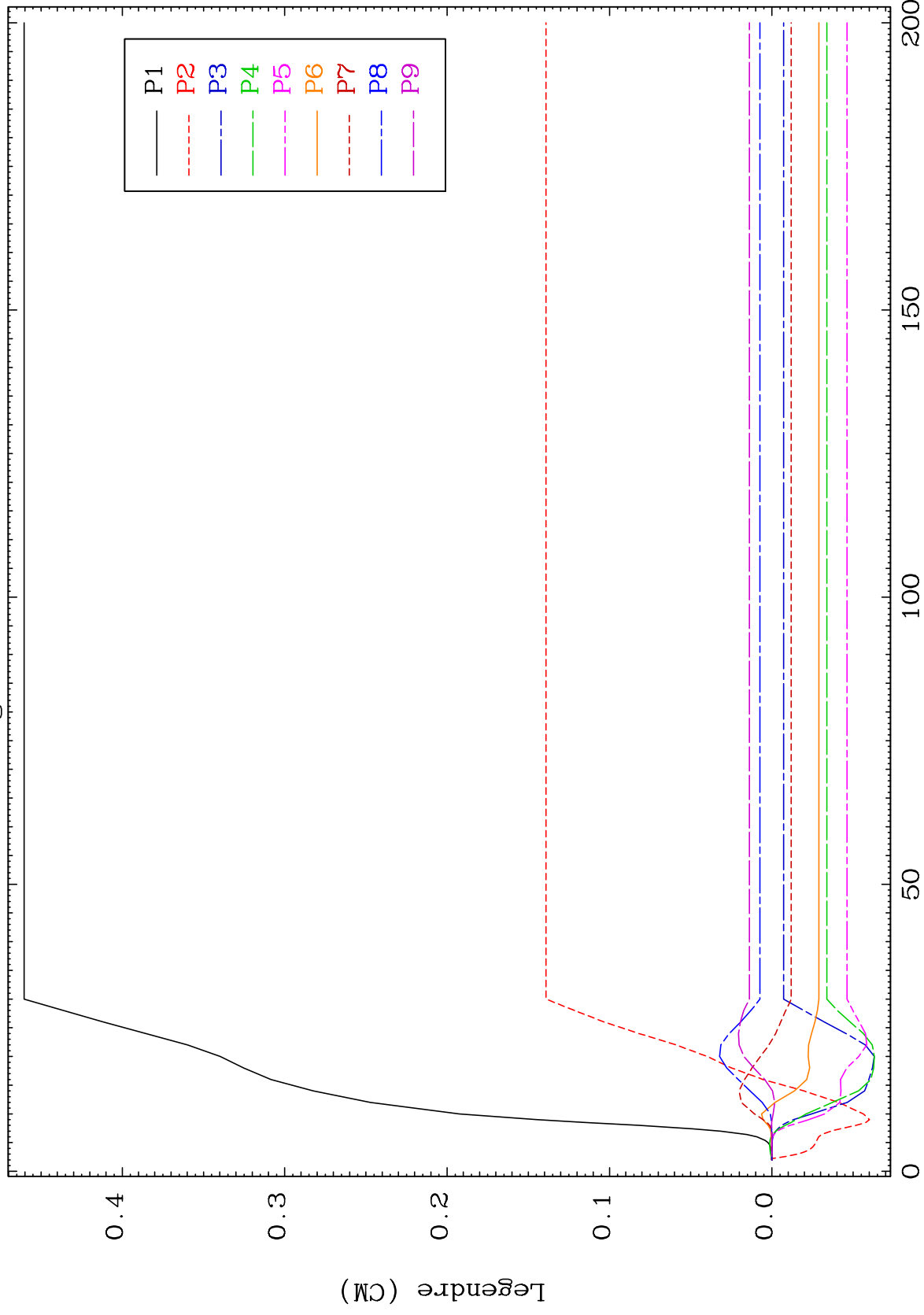
51-Sb-127



MAT 5143

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

51-Sb-127



71

Incident Energy (MeV)

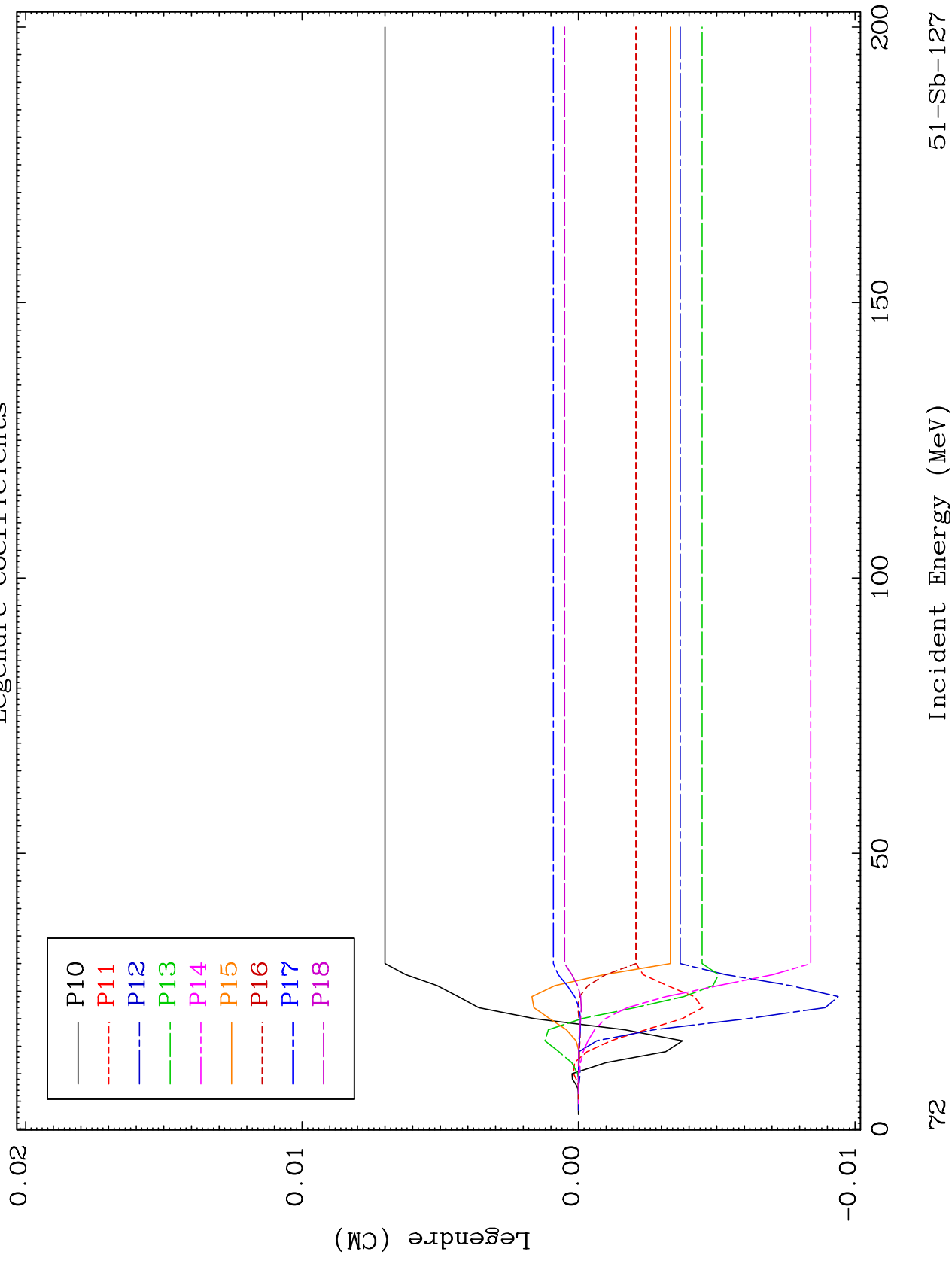
51-Sb-127



MAT 5143

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

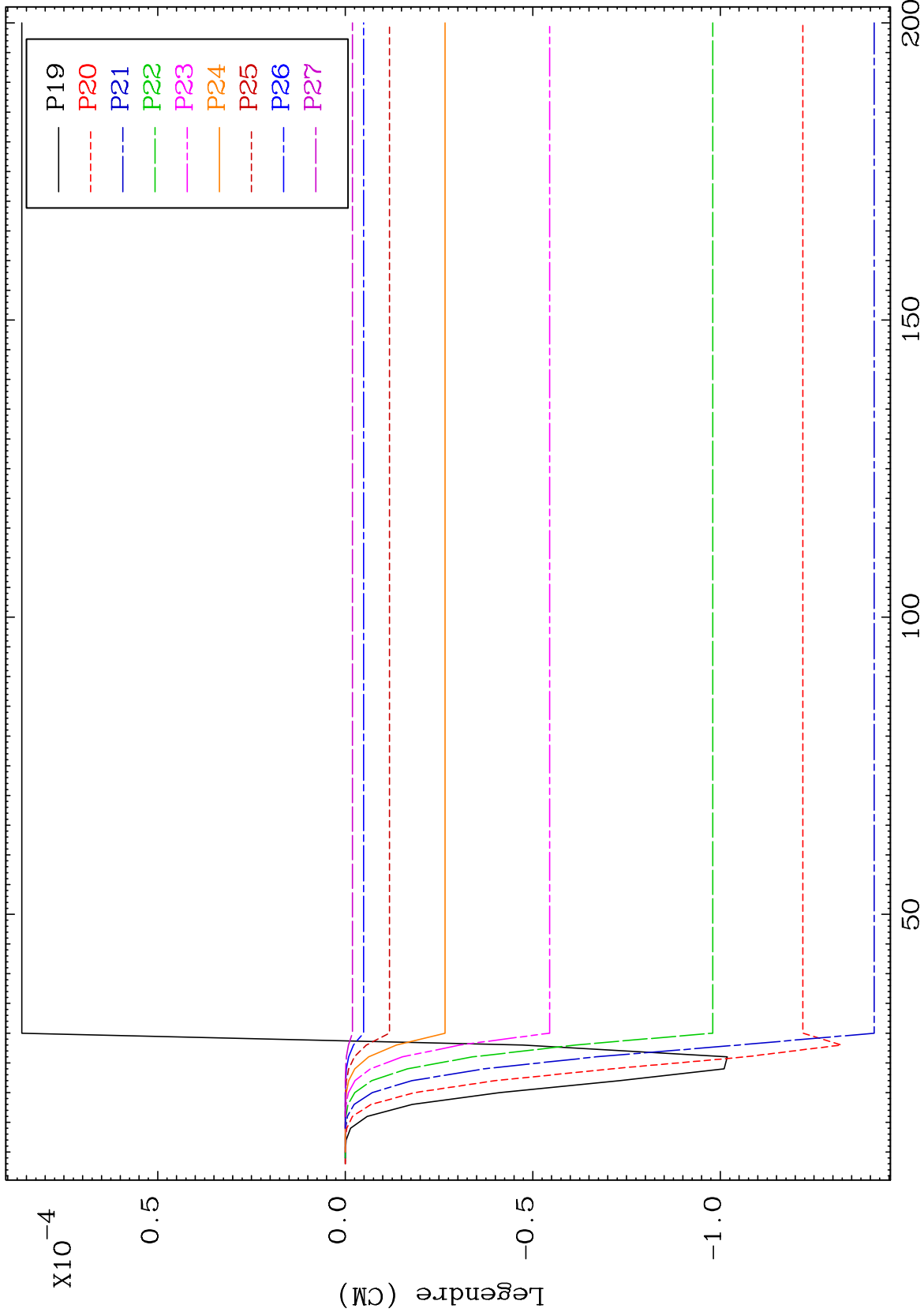
51-Sb-127



72

Incident Energy (MeV)

51-Sb-127

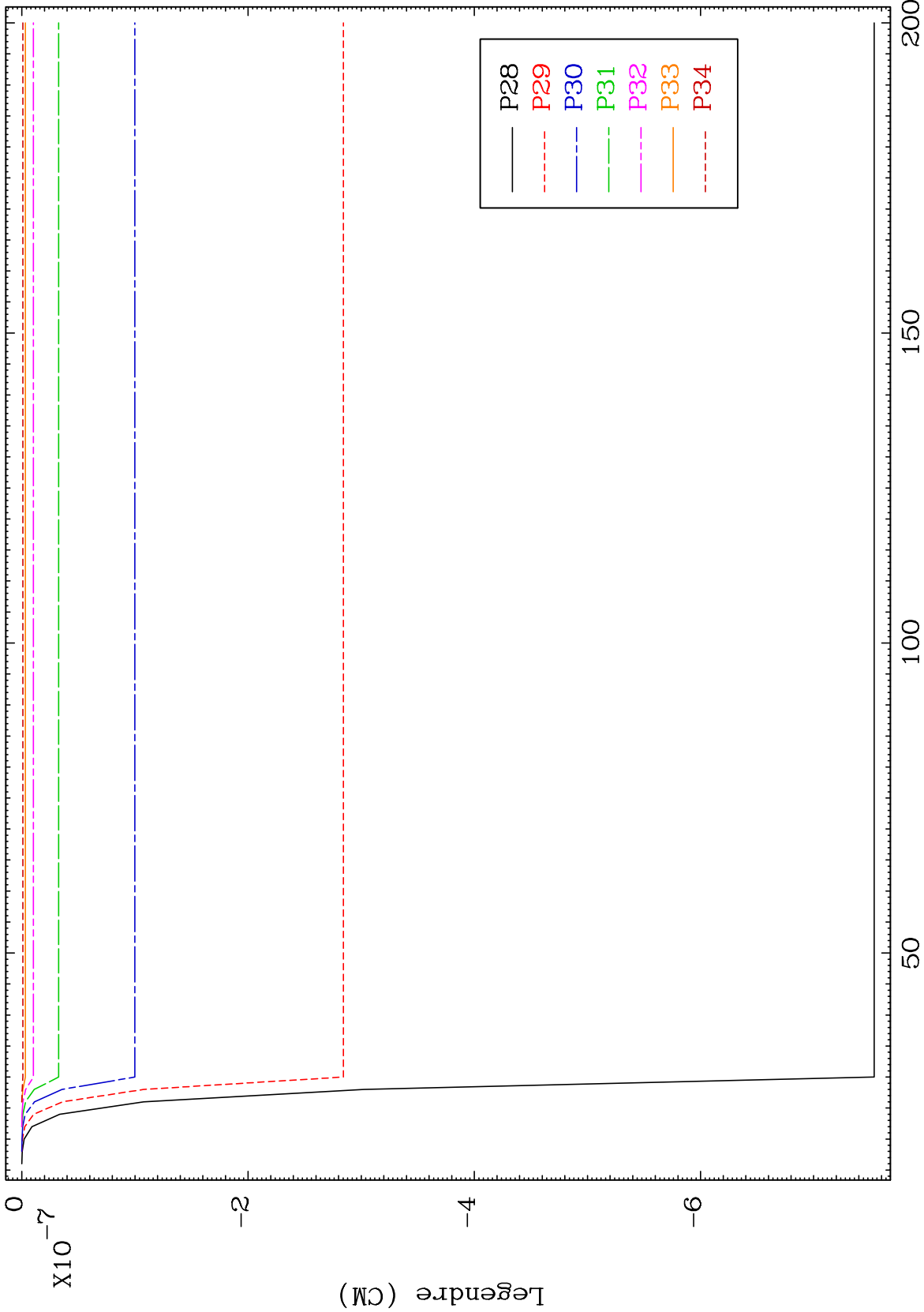


MAT 5143

MT= 64 (n,n') Level

51-Sb-127

Legendre Coefficients



74

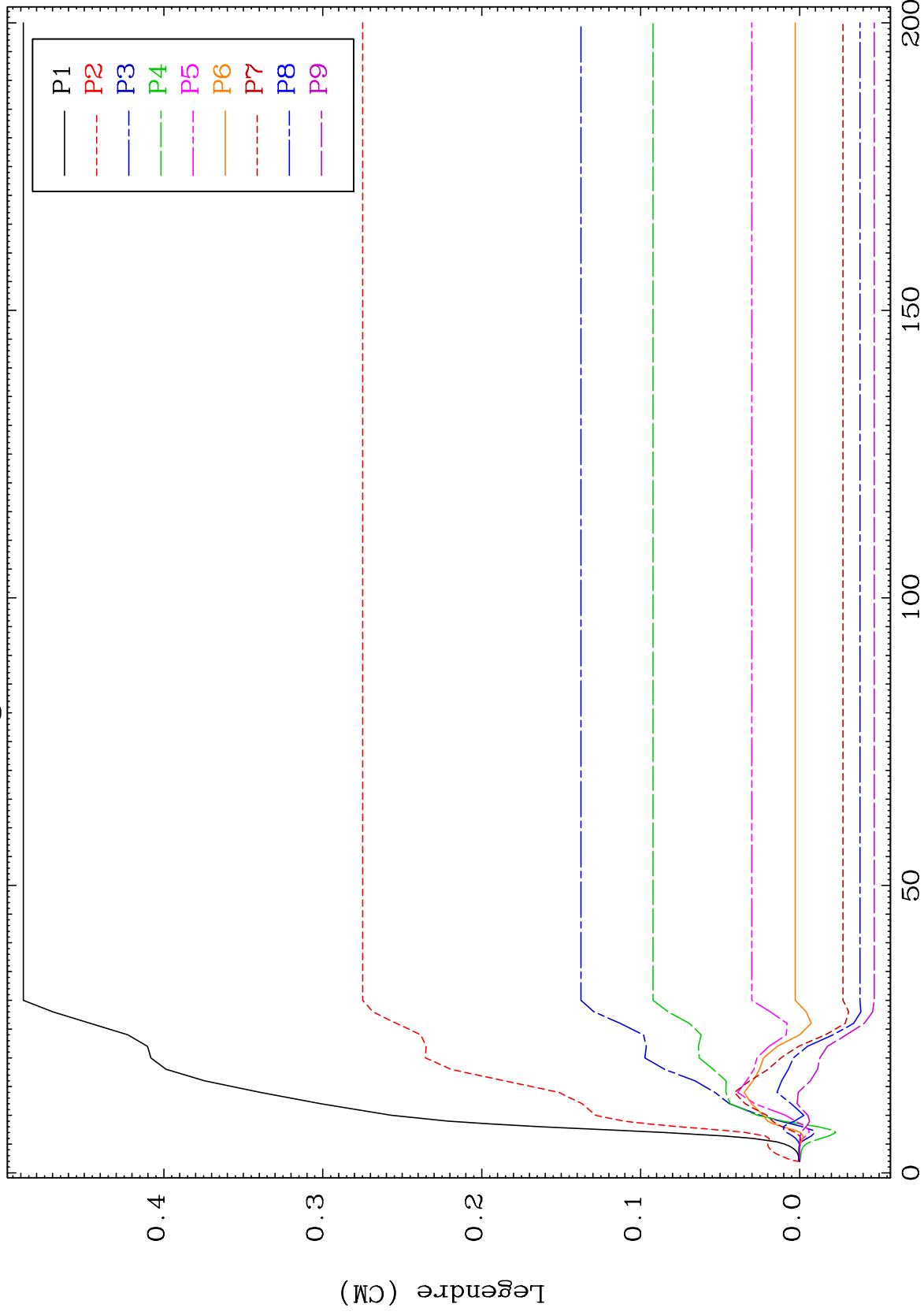
Incident Energy (MeV)

51-Sb-127

MAT 5143

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

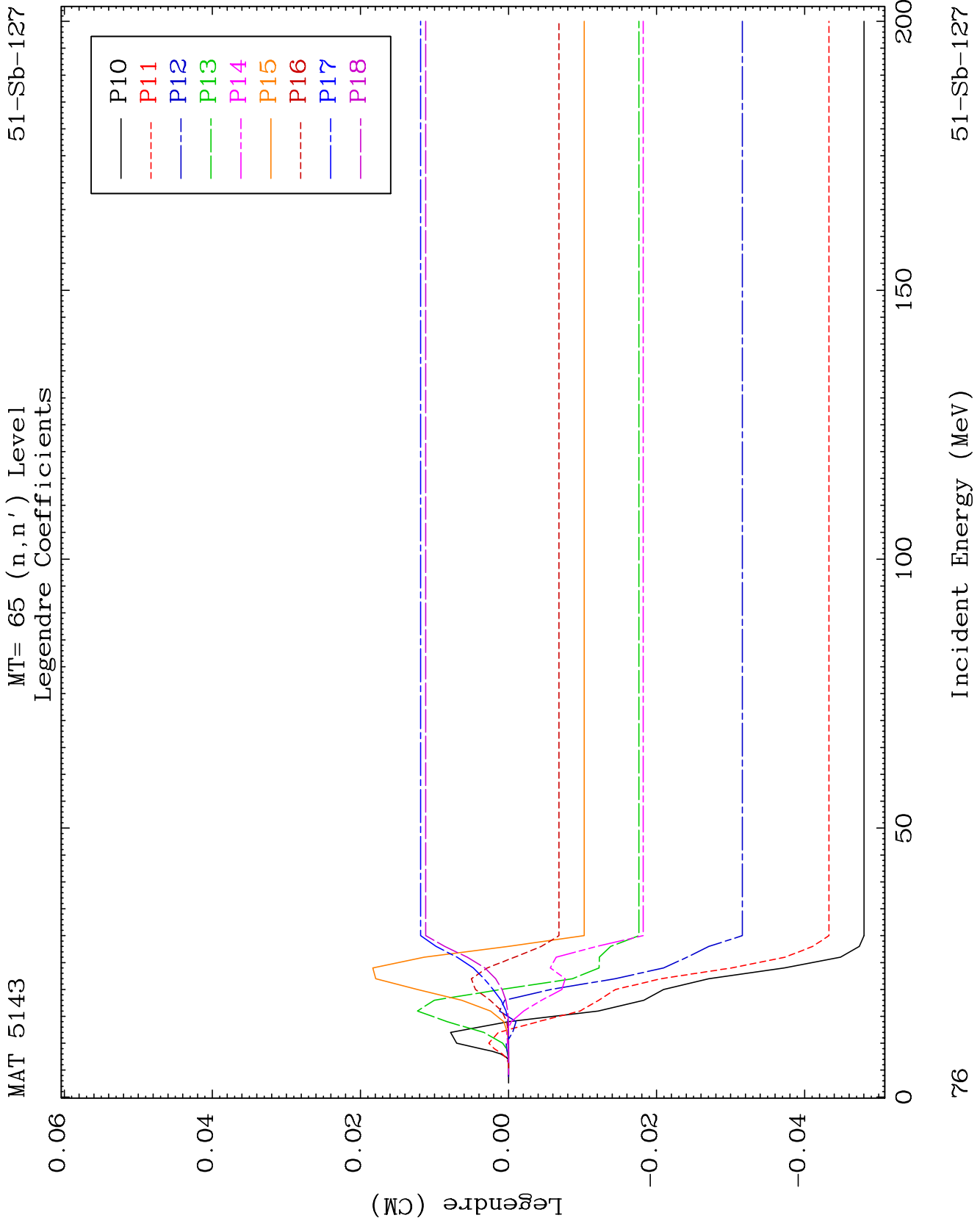
51-Sb-127



75

Incident Energy (MeV)

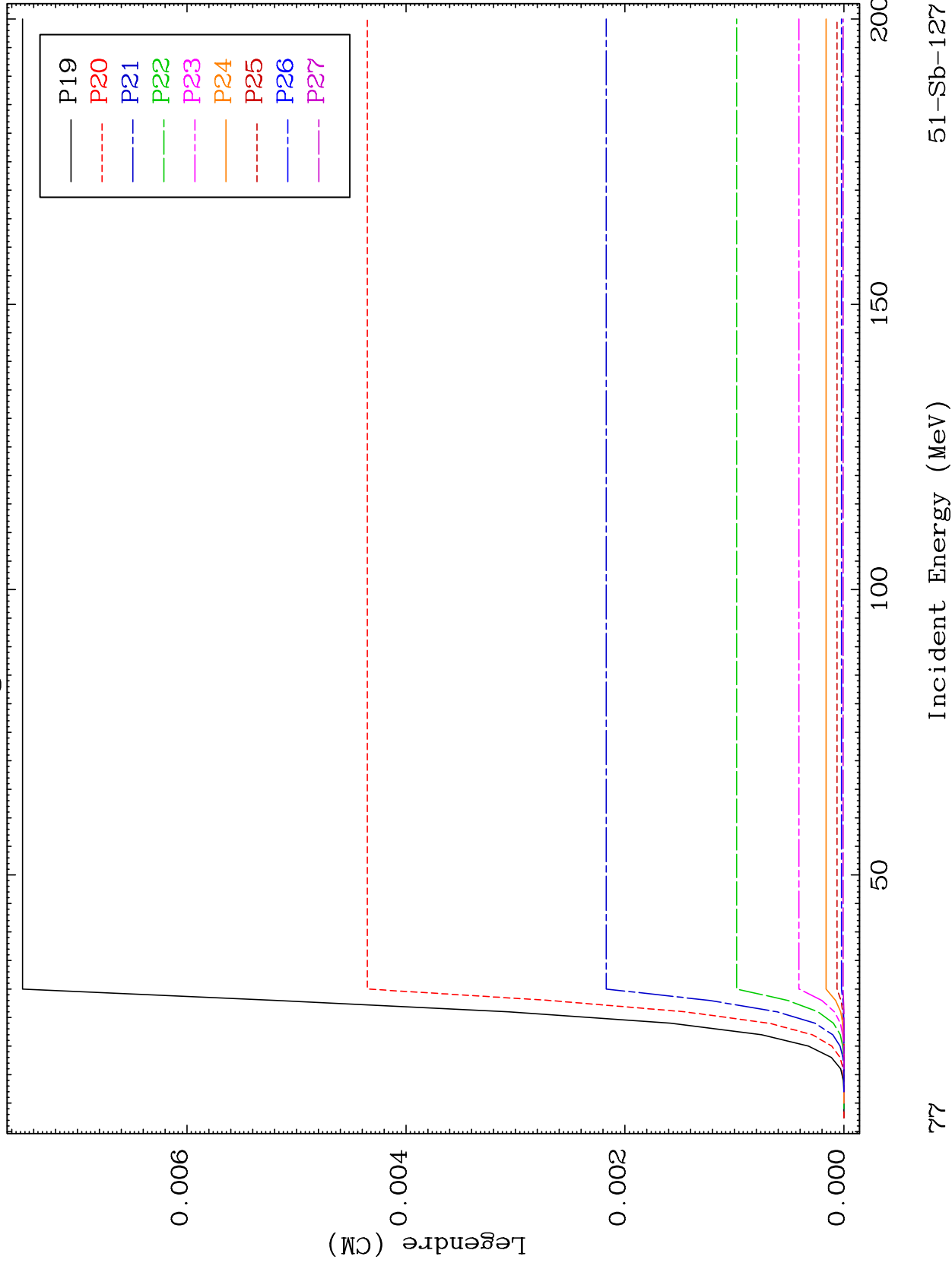
51-Sb-127



MAT 5143

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

51-Sb-127

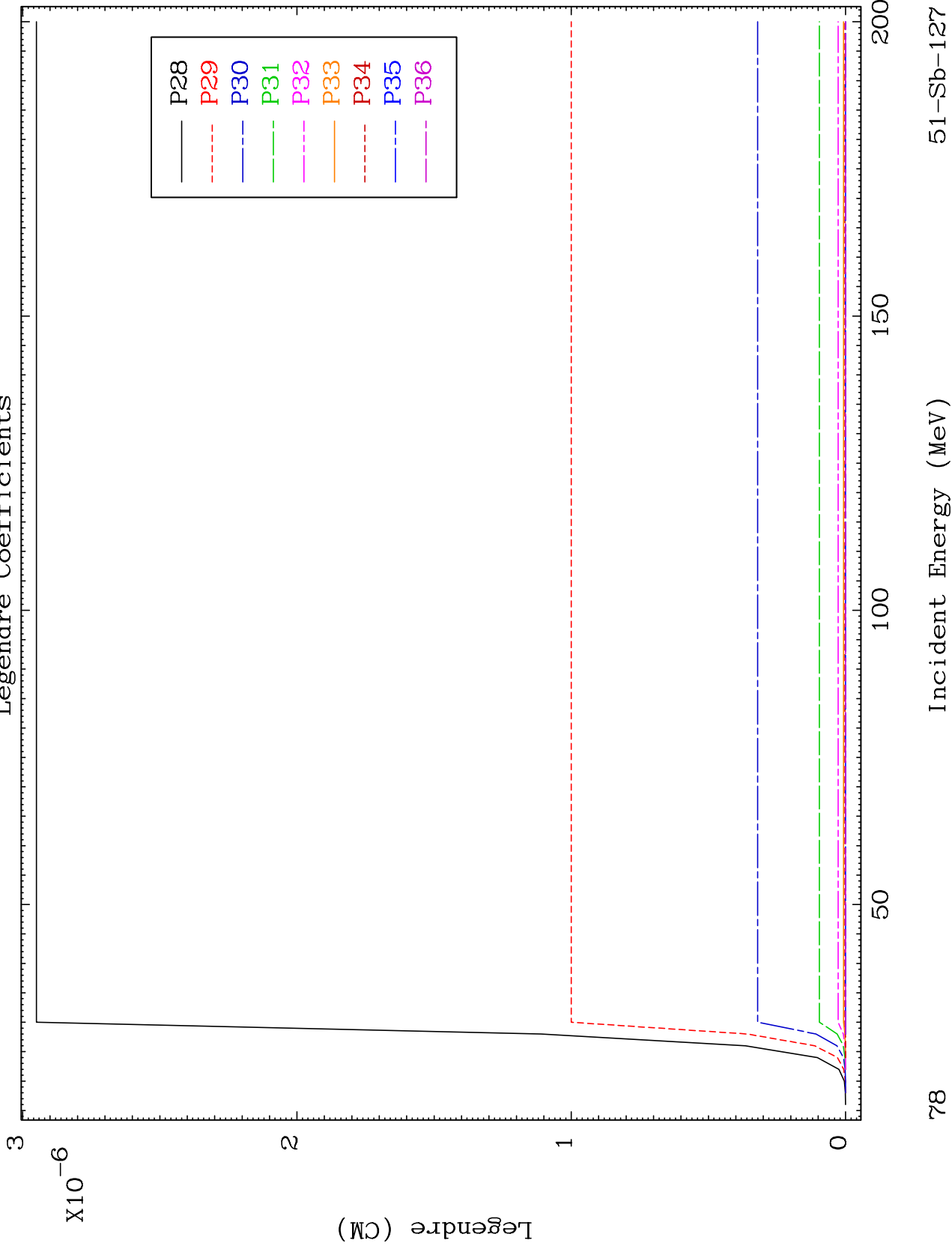


77

MAT 5143

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

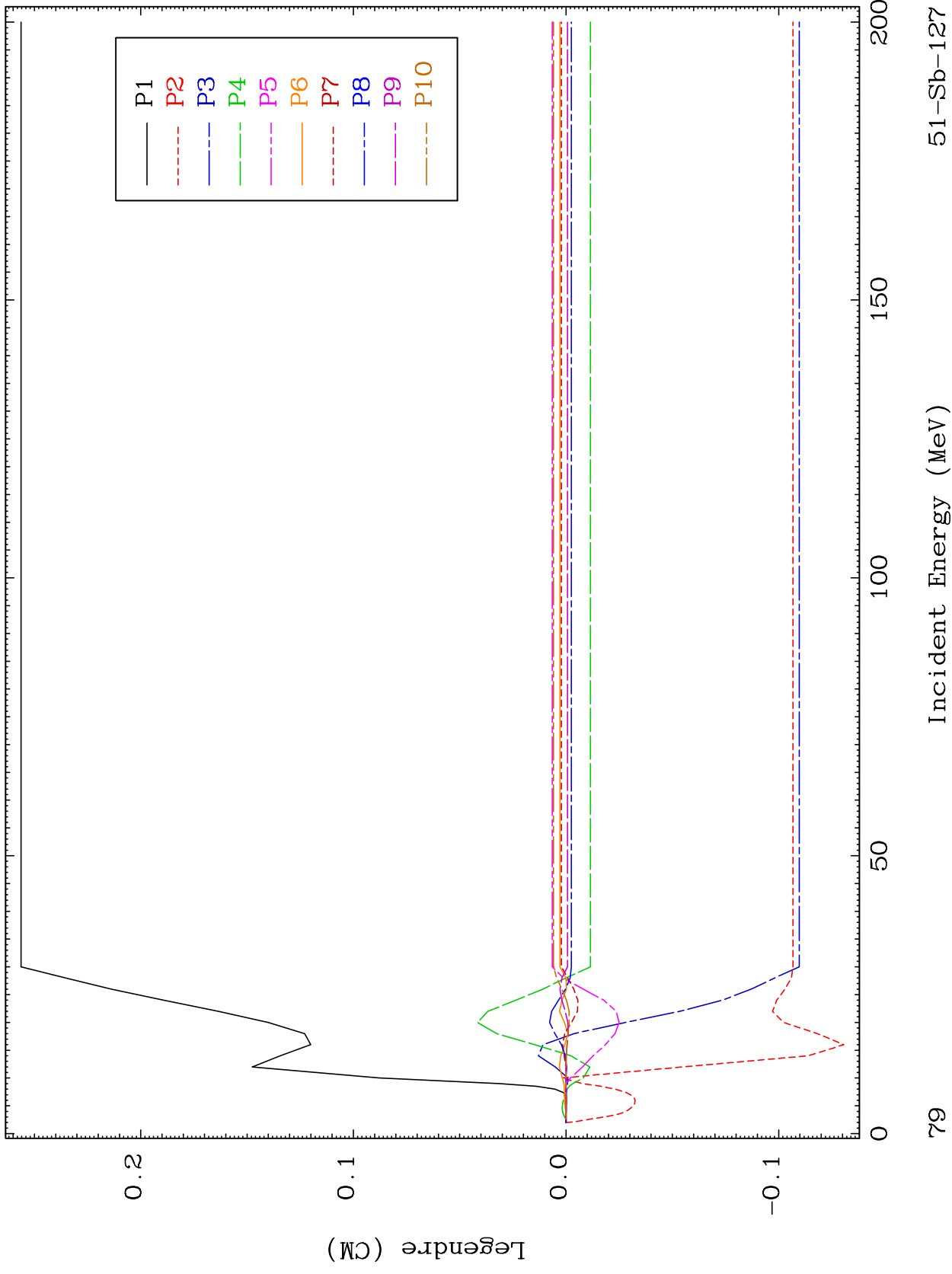
51-Sb-127



MAT 5143

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

51-Sb-127



51-Sb-127

Incident Energy (MeV)

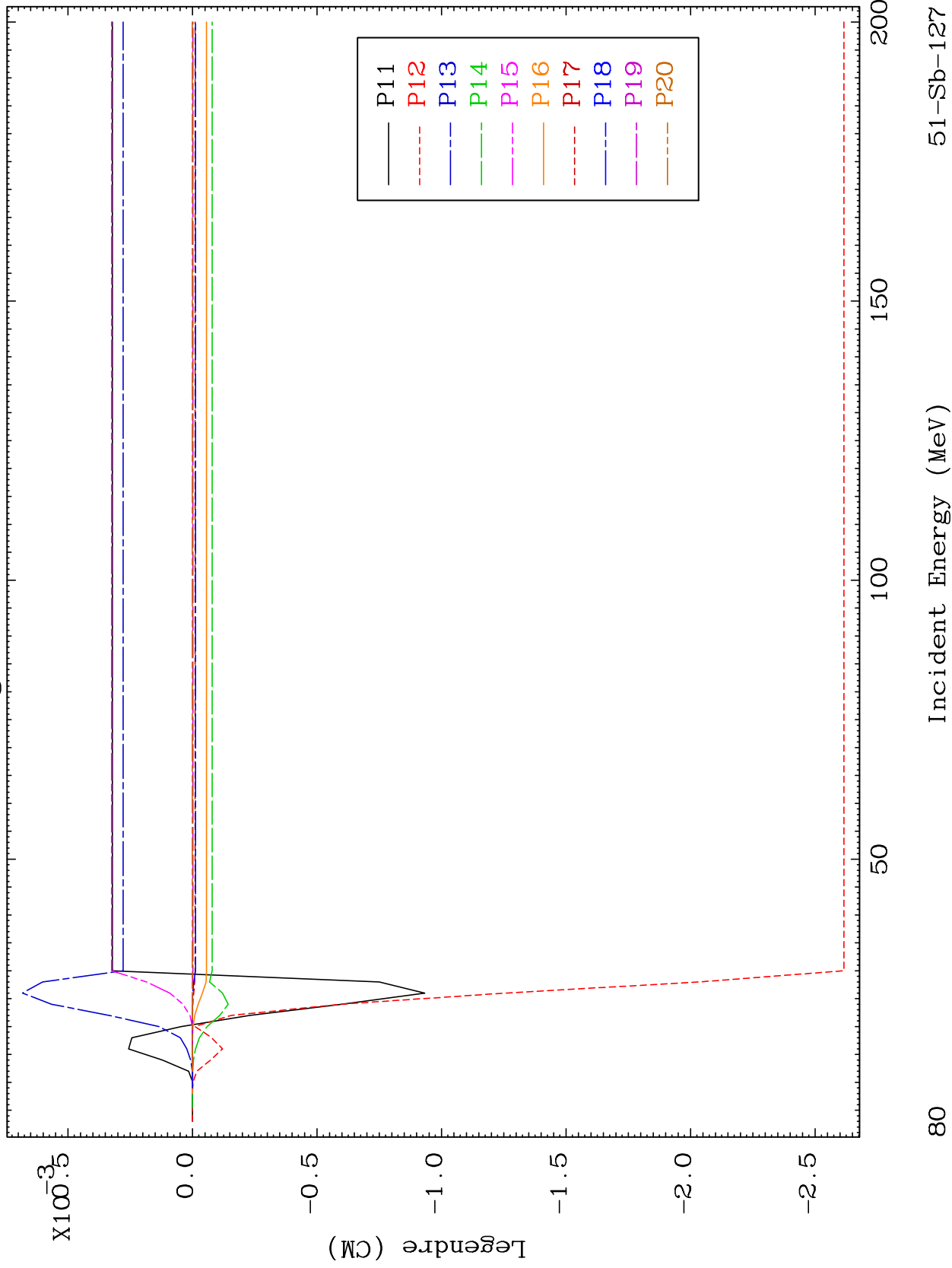
79



MAT 5143

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

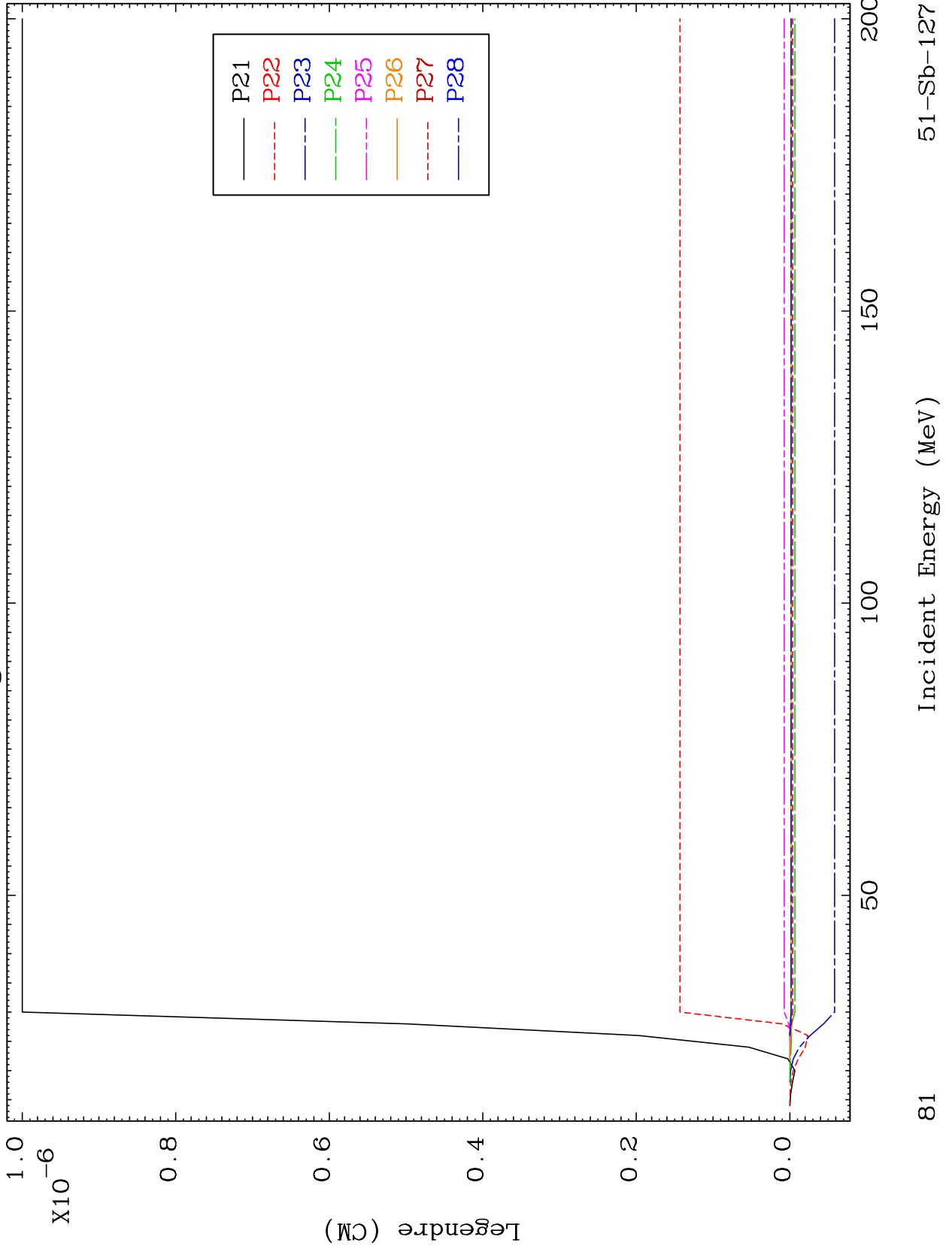
51-Sb-127



80

Incident Energy (MeV)

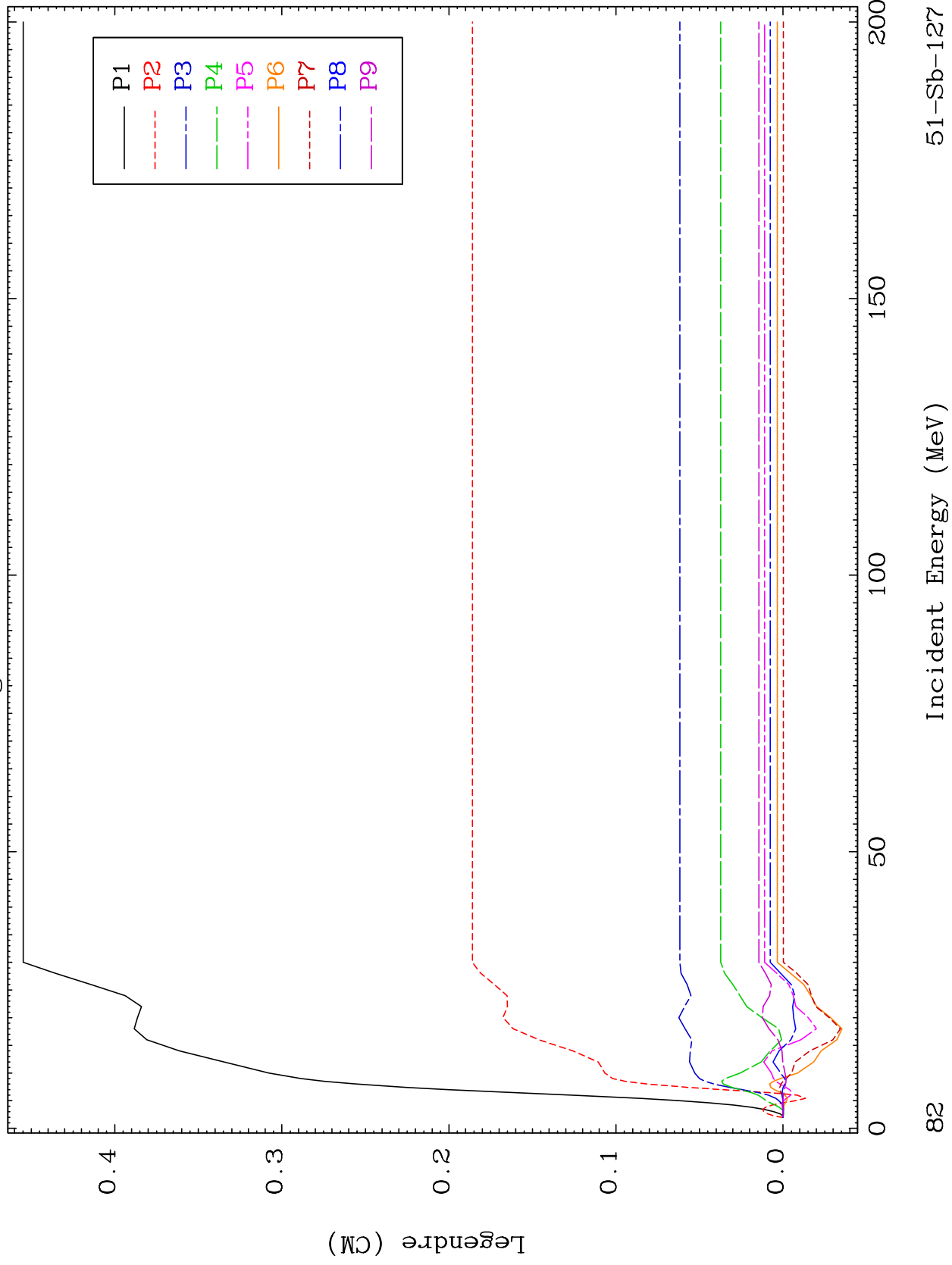
51-Sb-127



MAT 5143

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

51-Sb-127



51-Sb-127

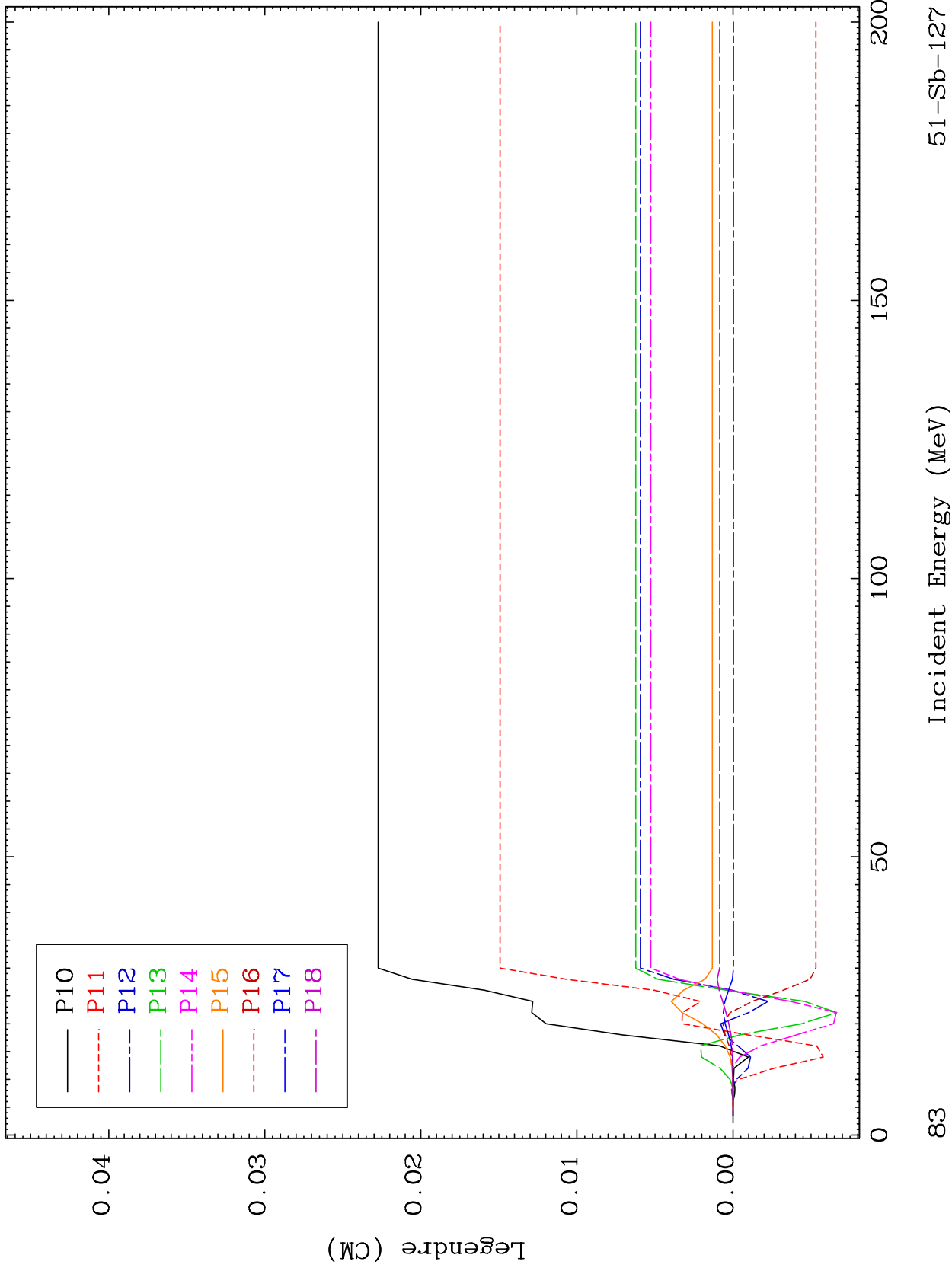
Incident Energy (MeV)

82

MAT 5143

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

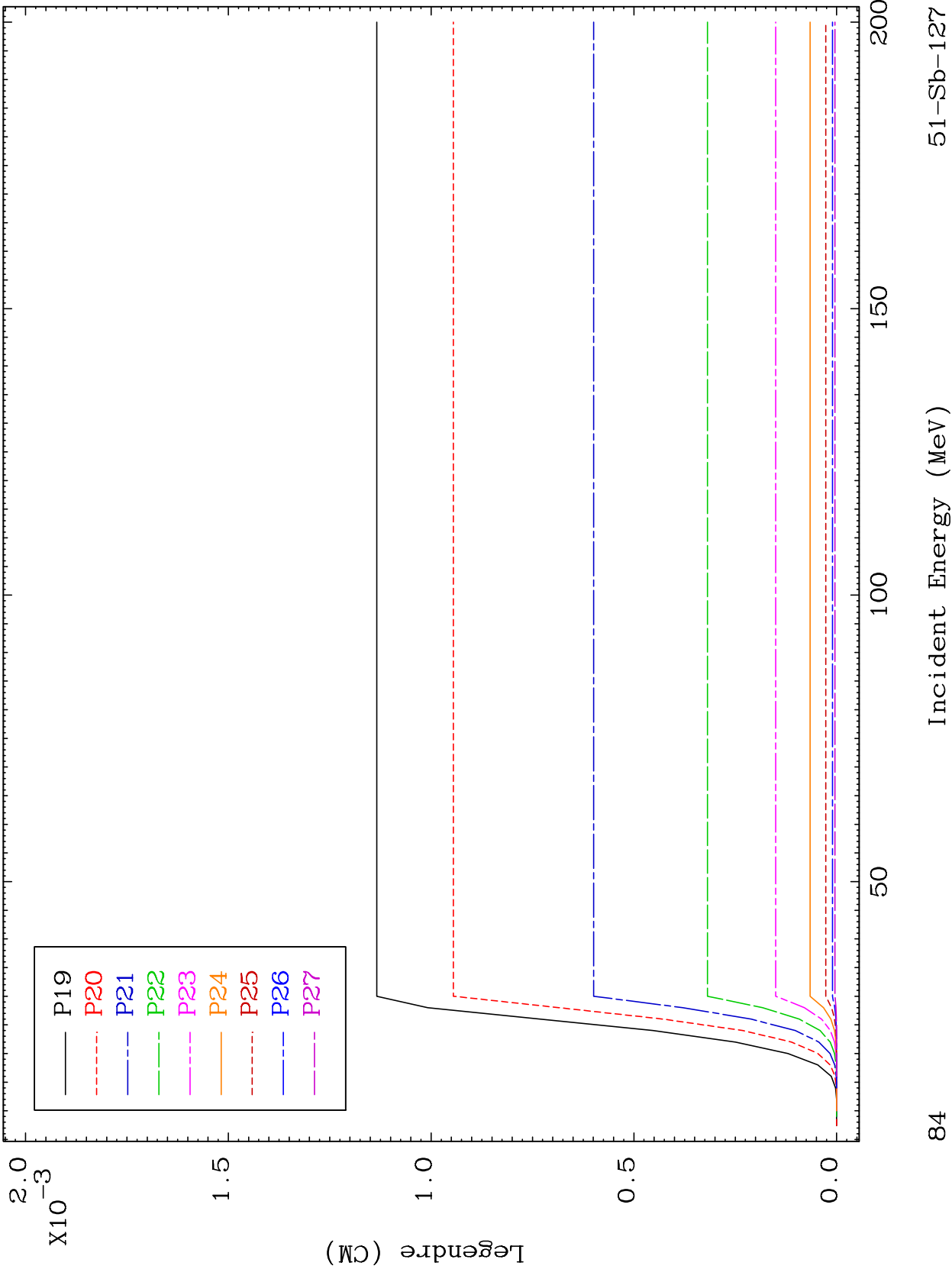
51-Sb-127



83

Incident Energy (MeV)

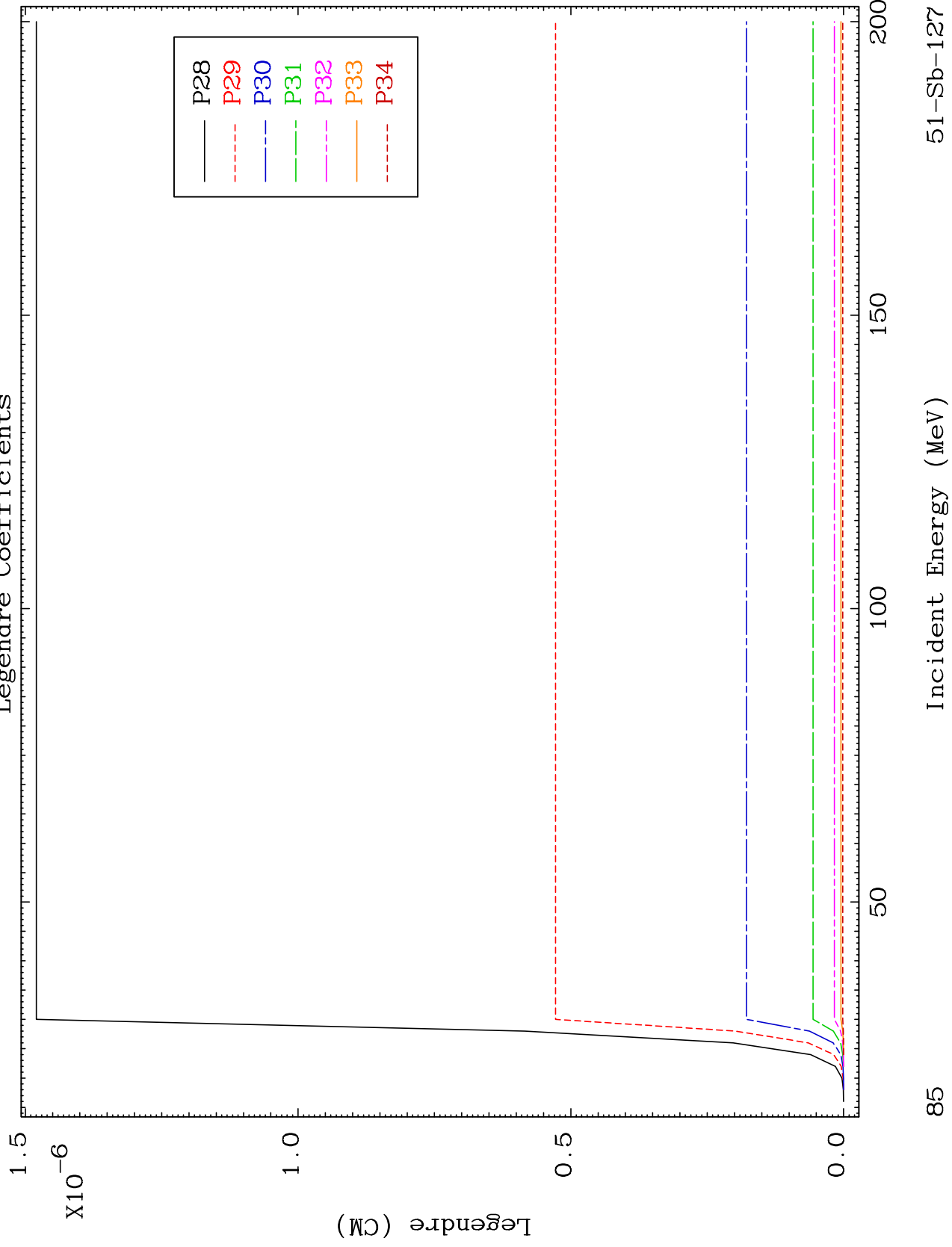
51-Sb-127



MAT 5143

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

51-Sb-127



51-Sb-127

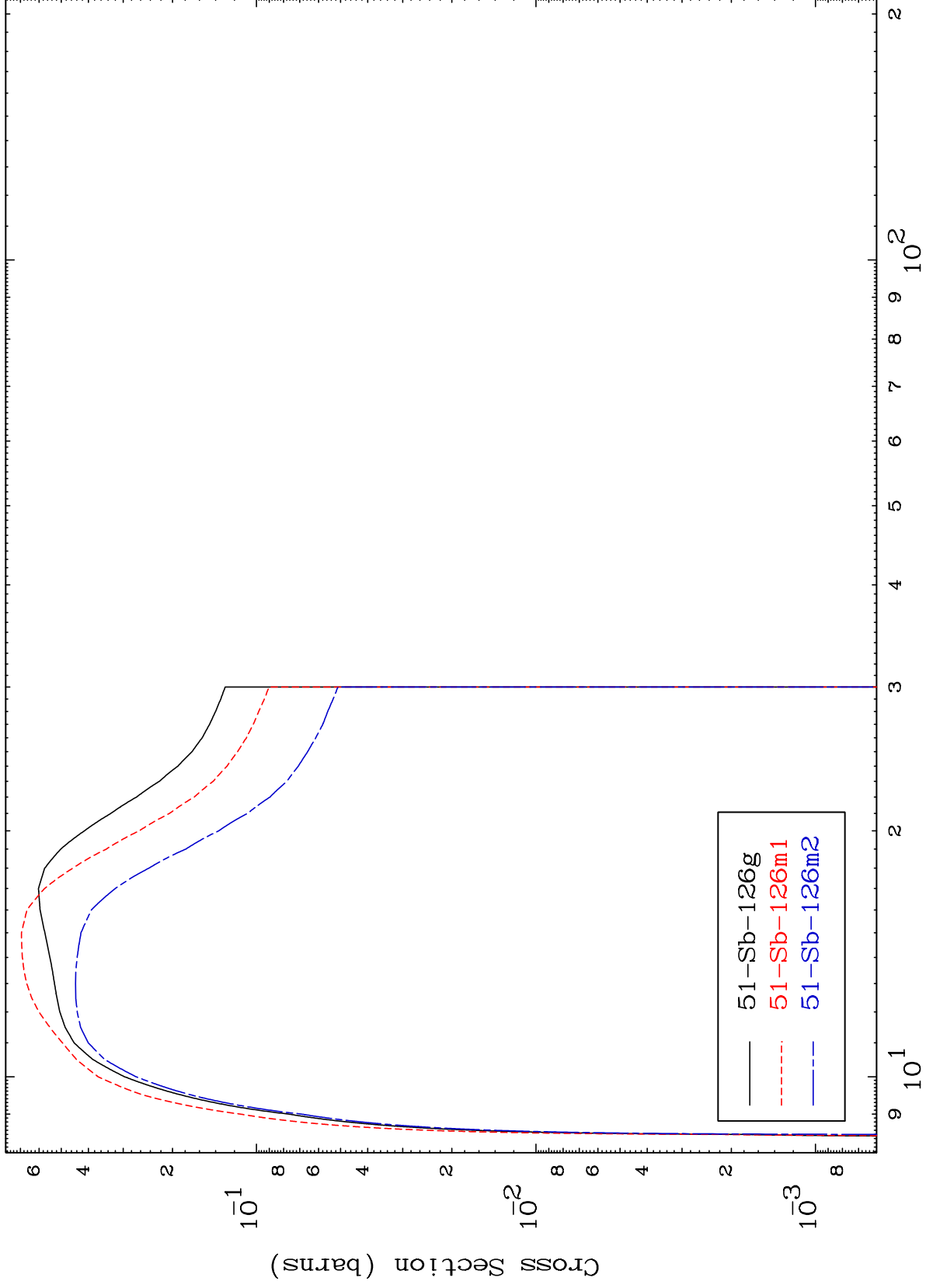
Incident Energy (MeV)

85

MAT 5143

51-Sb-127

(n,2n)  
Radionuclide Production Cross Section



51-Sb-127

Incident Energy (MeV)

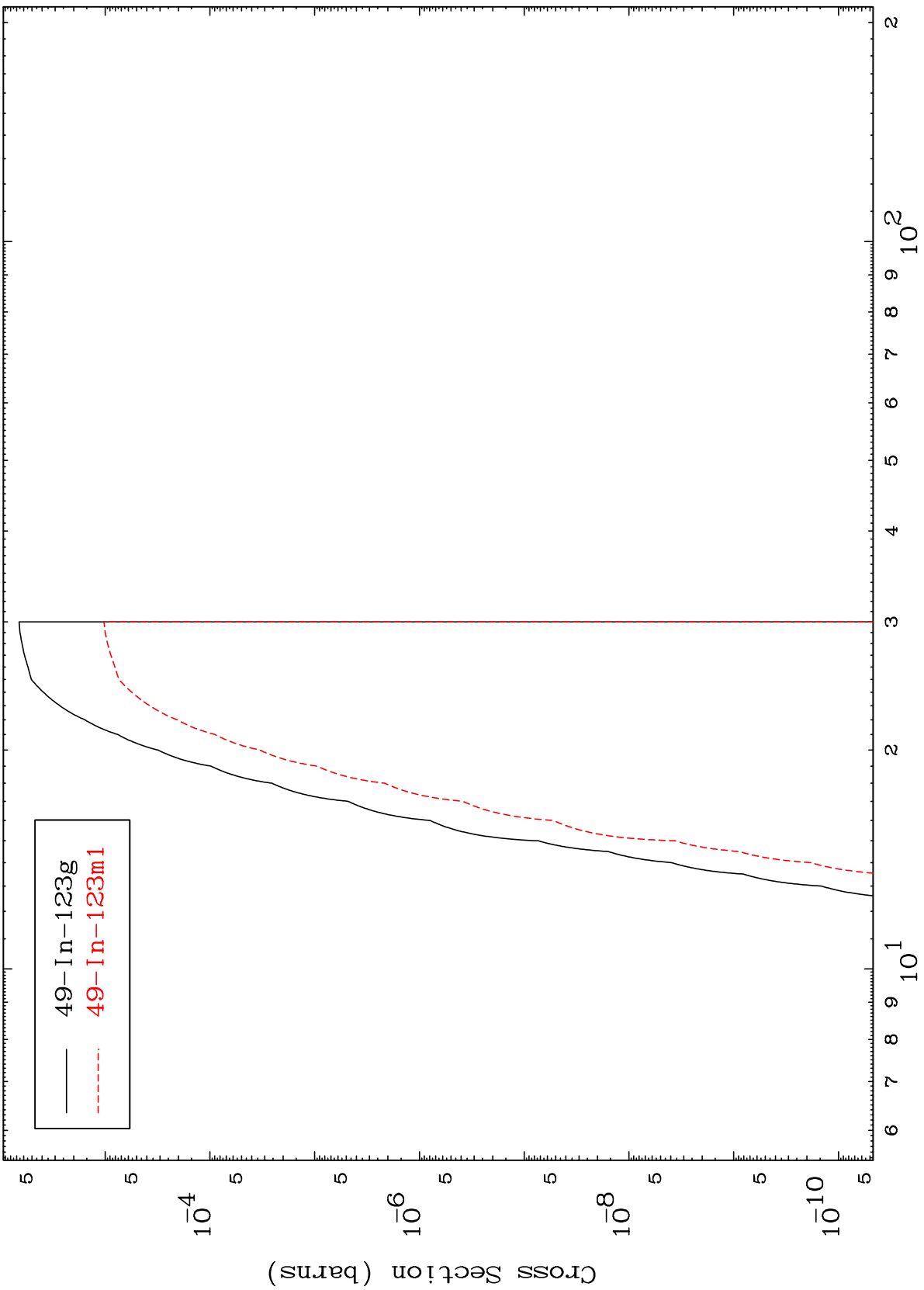
86

MAT 5143

(n,n')  $\alpha$

51-Sb-127

Radionuclide Production Cross Section



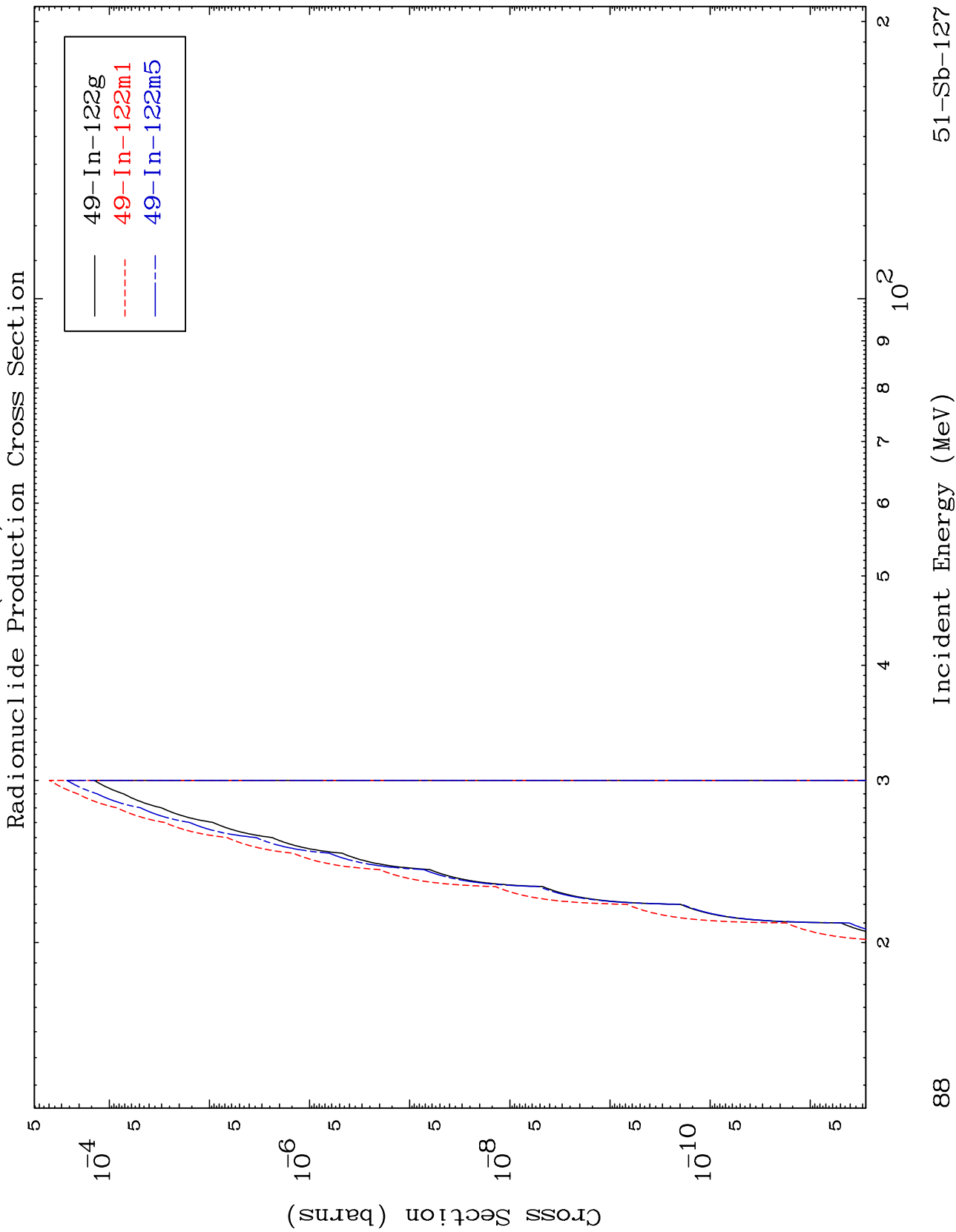
— 49-In-123g  
- - - 49-In-123m1

87

Incident Energy (MeV)

51-Sb-127



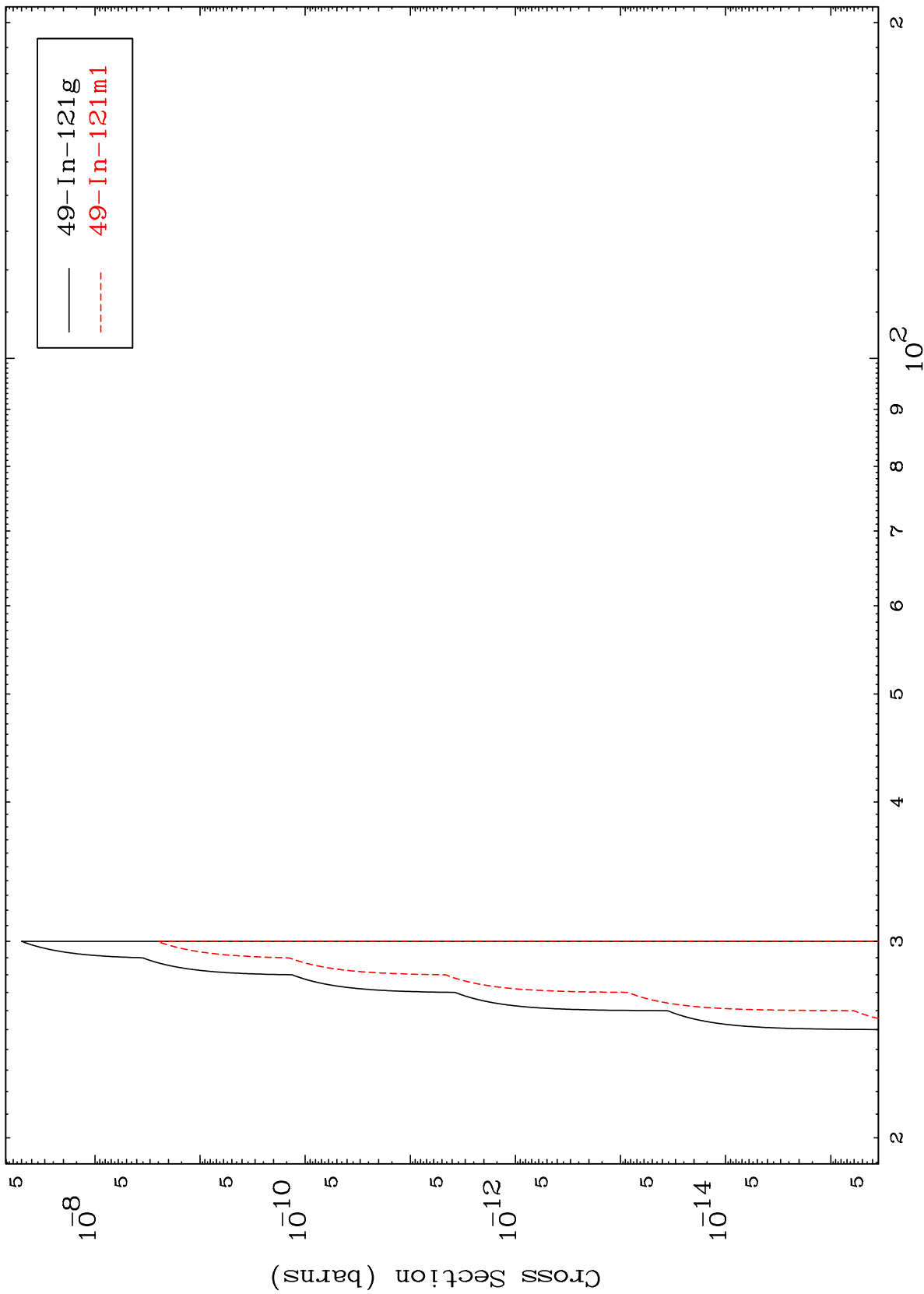


MAT 5143

(n,3n)  $\alpha$

51-Sb-127

Radionuclide Production Cross Section

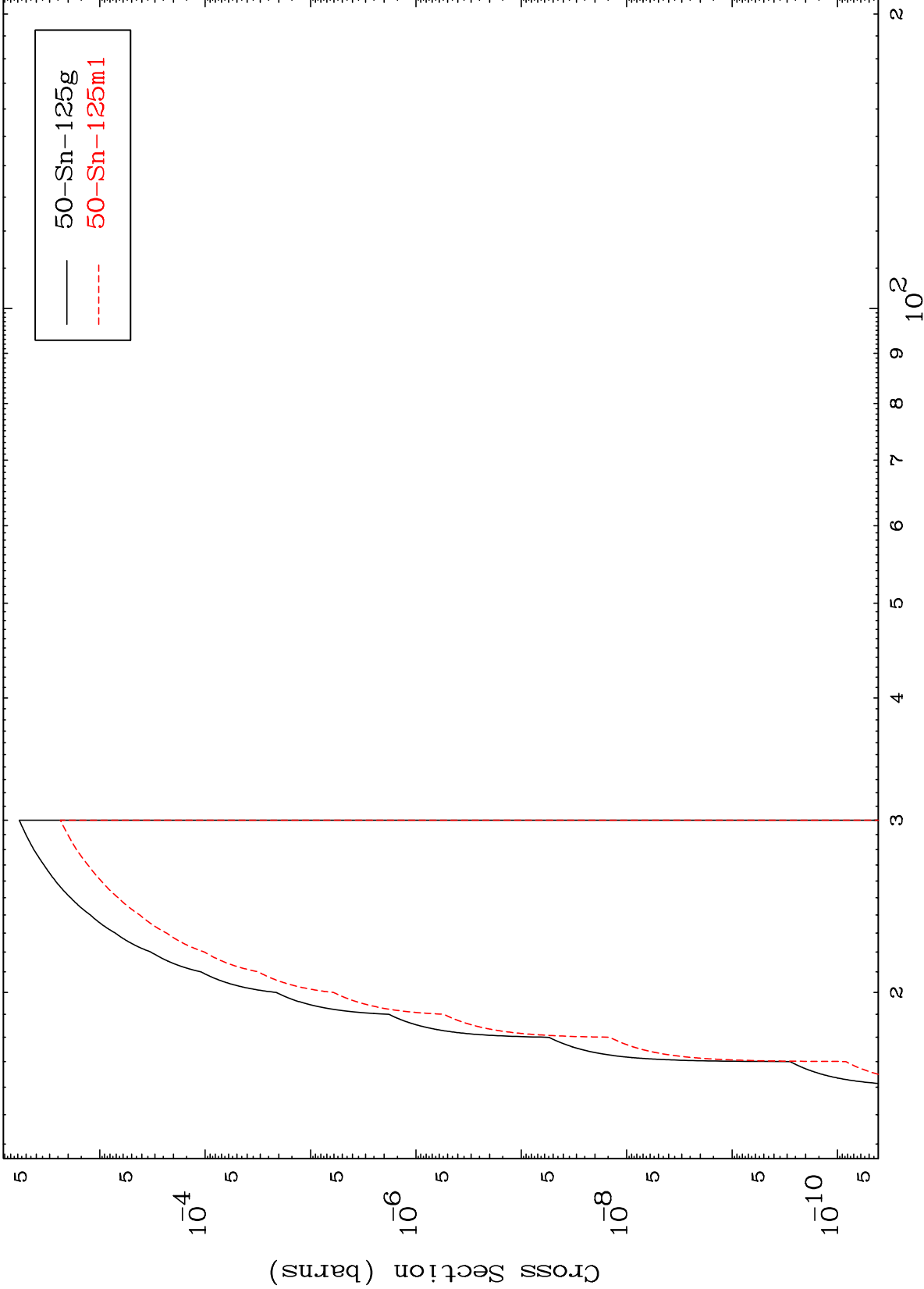


89

Incident Energy (MeV)

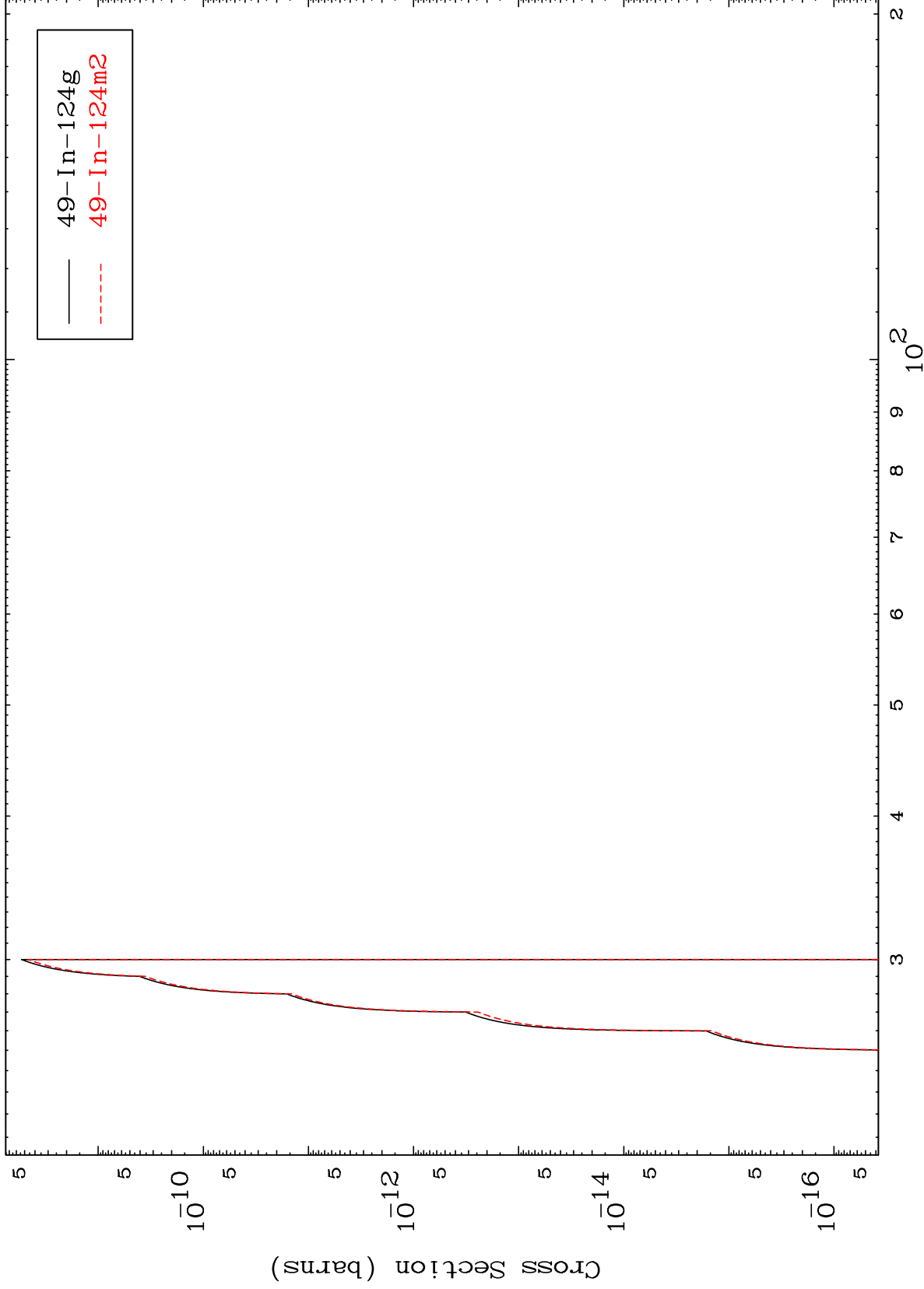
51-Sb-127

Radionuclide Production Cross Section



50-Sn-125g  
50-Sn-125m1

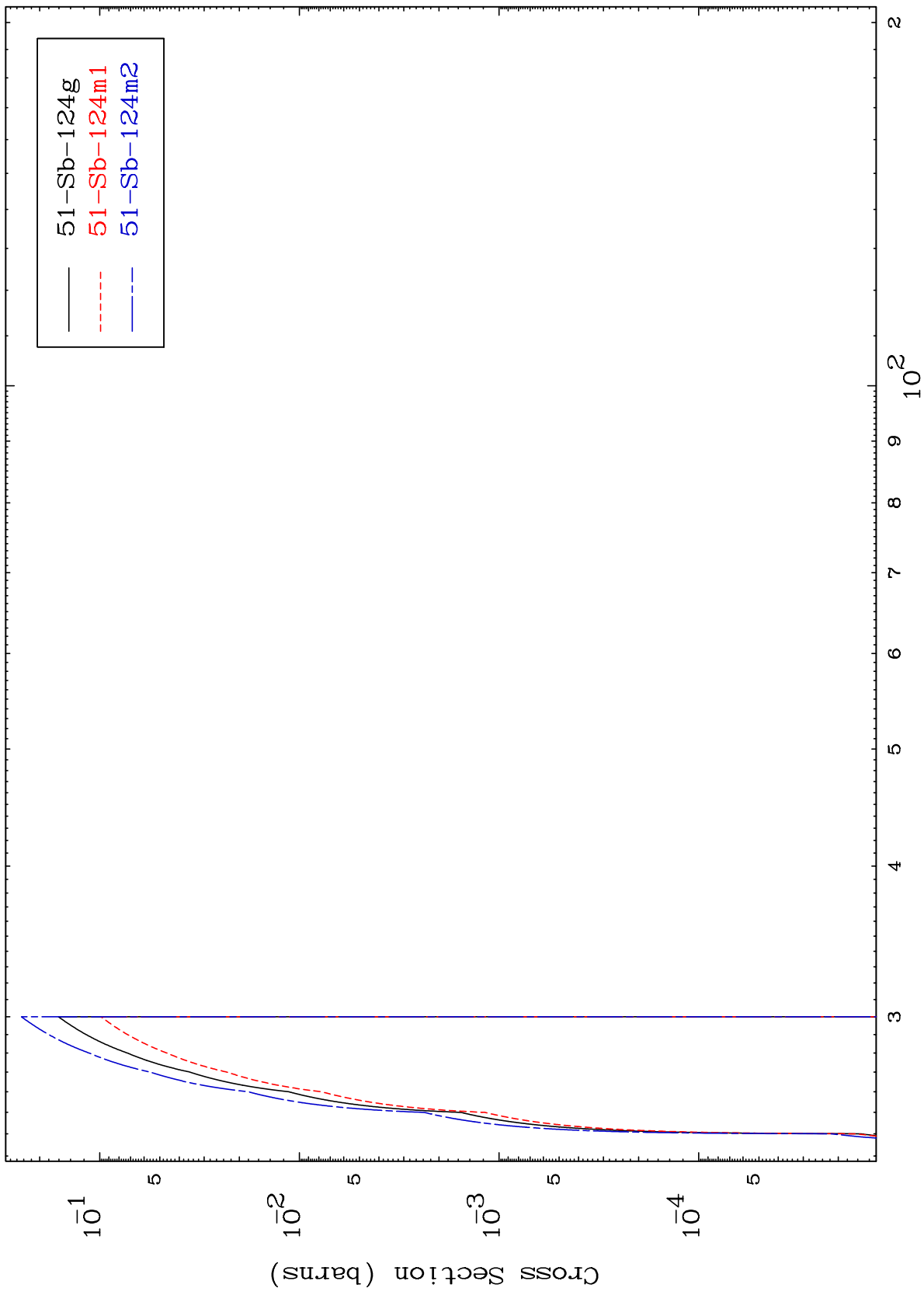
Radionuclide Production Cross Section



MAT 5143

51-Sb-127

(n,4n)  
Radionuclide Production Cross Section



92

51-Sb-127

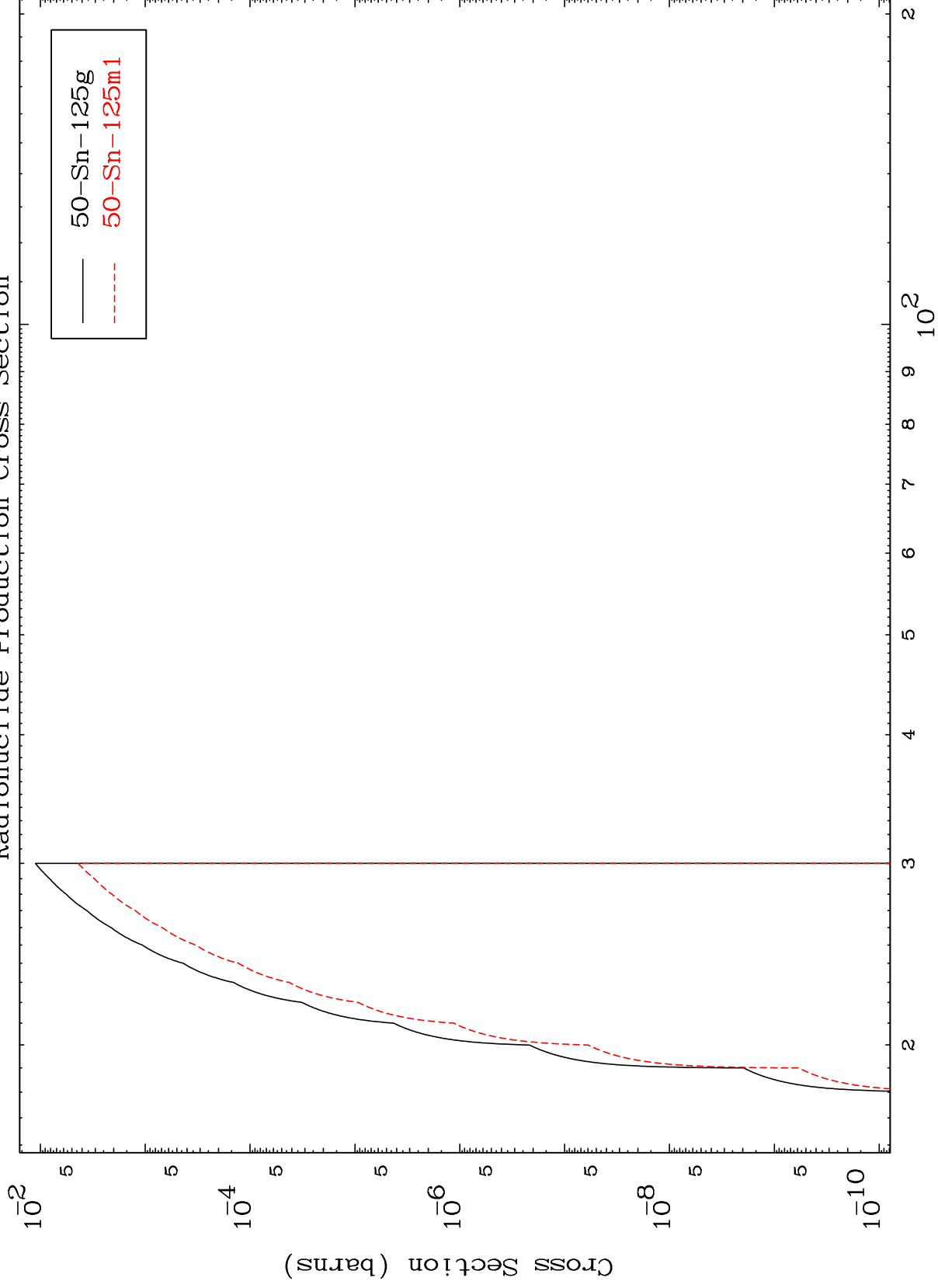
Incident Energy (MeV)

MAT 5143

(n,2n) p

51-Sb-127

Radionuclide Production Cross Section



93

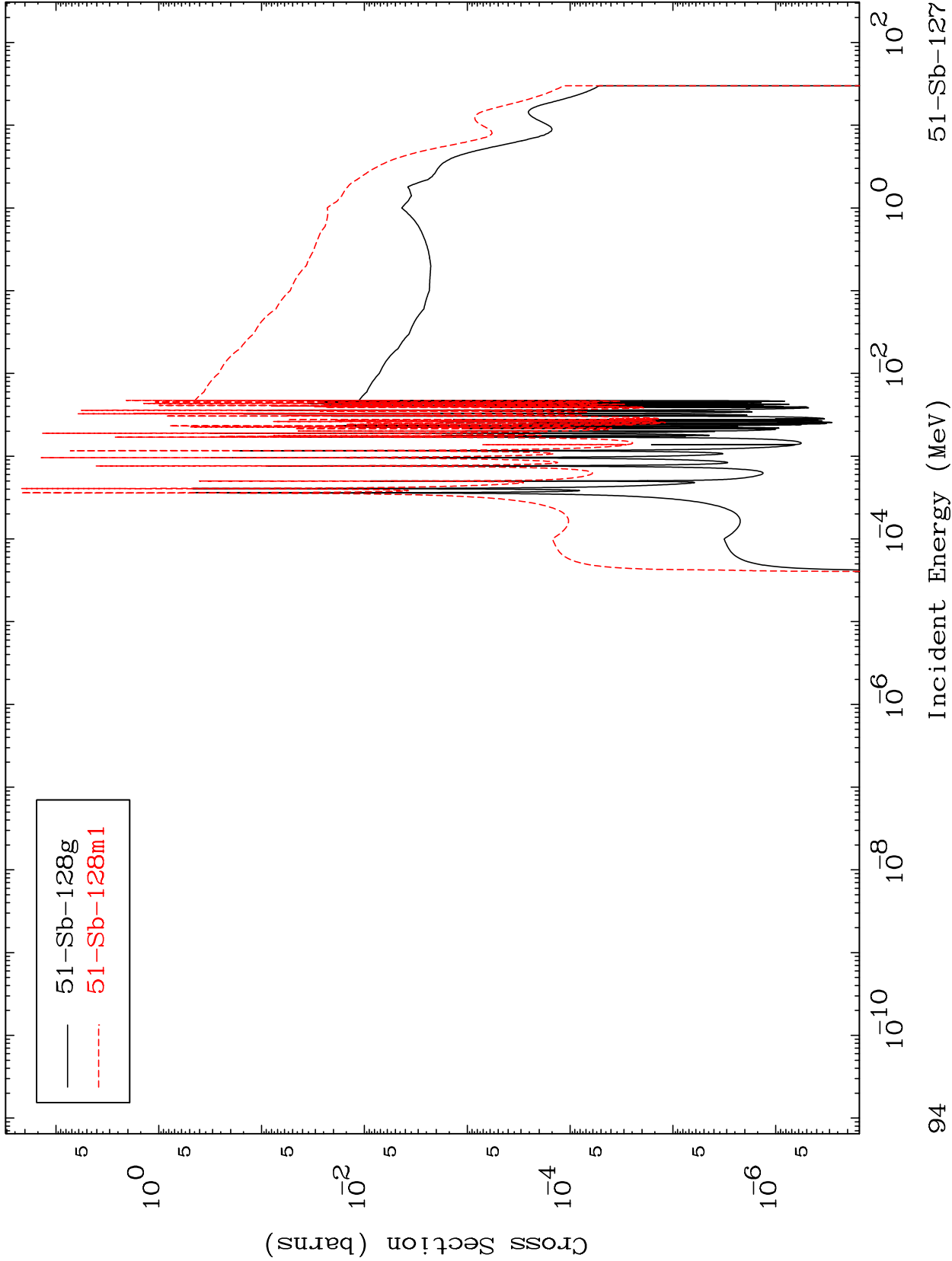
Incident Energy (MeV)

51-Sb-127

MAT 5143

51-Sb-127

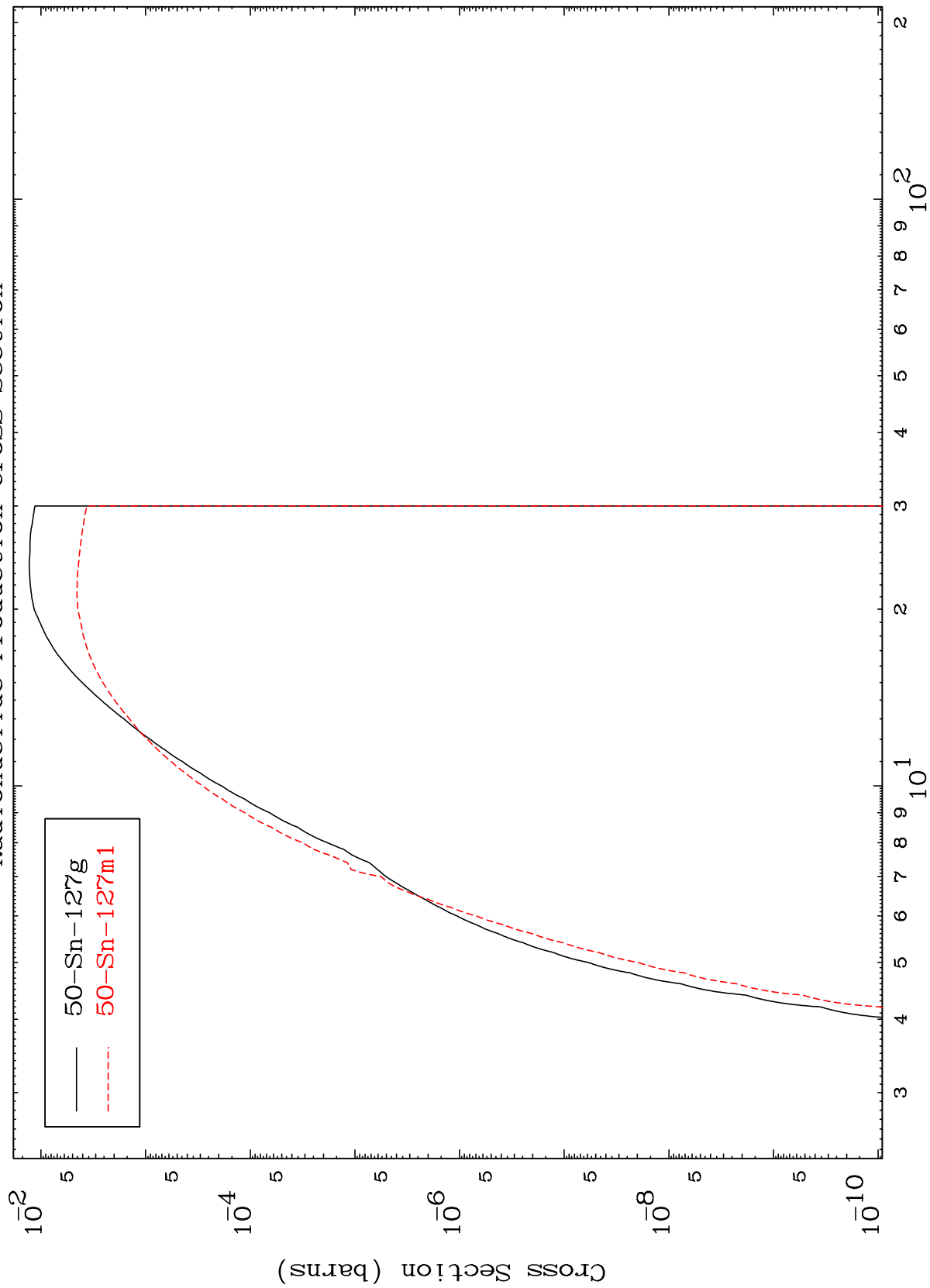
(n,  $\gamma$ )  
Radionuclide Production Cross Section



MAT 5143

51-Sb-127

Radionuclide Production Cross Section (n,p)



95

Incident Energy (MeV)

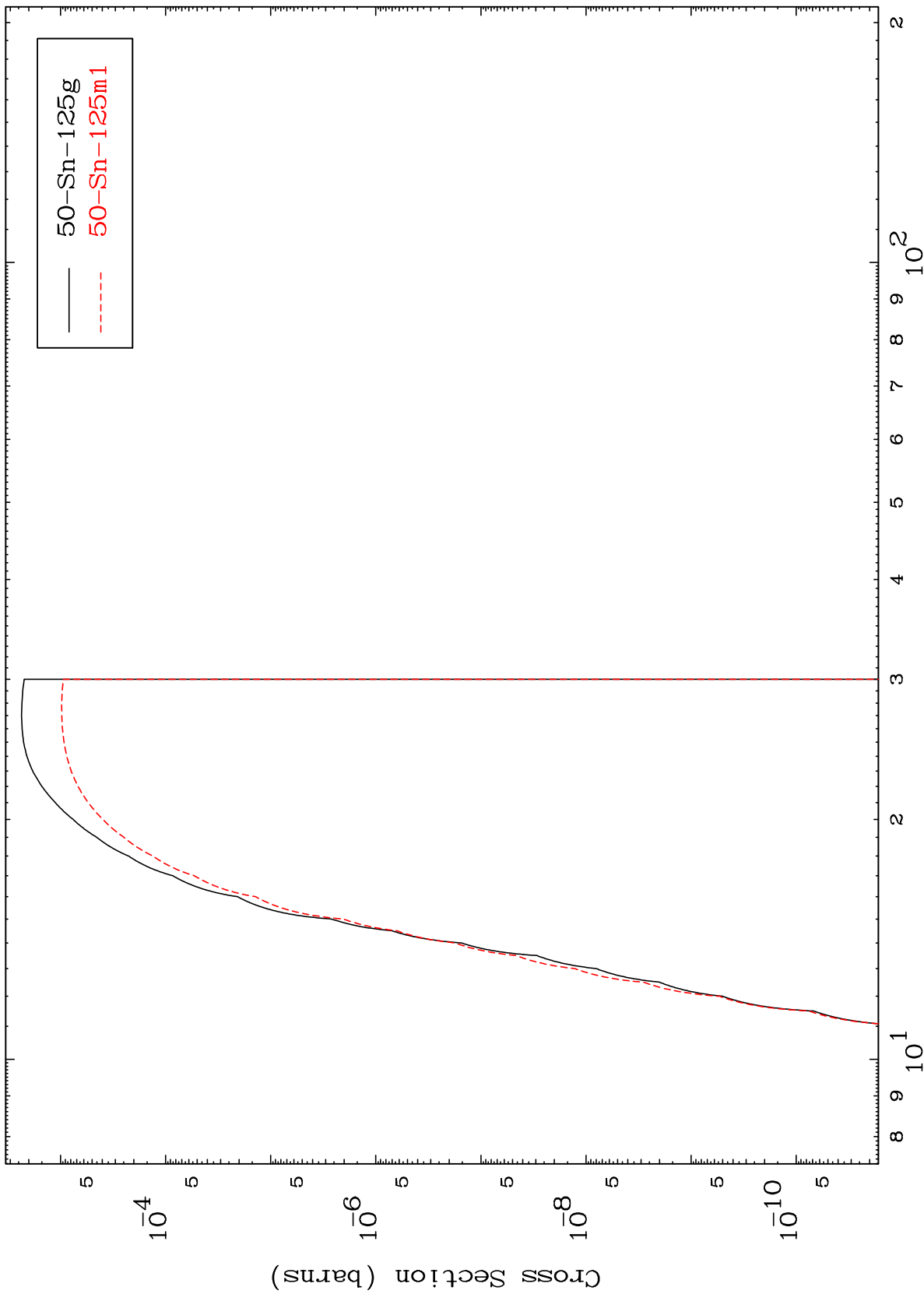
51-Sb-127



MAT 5143

51-Sb-127

(n,t)  
Radionuclide Production Cross Section



96

Incident Energy (MeV)

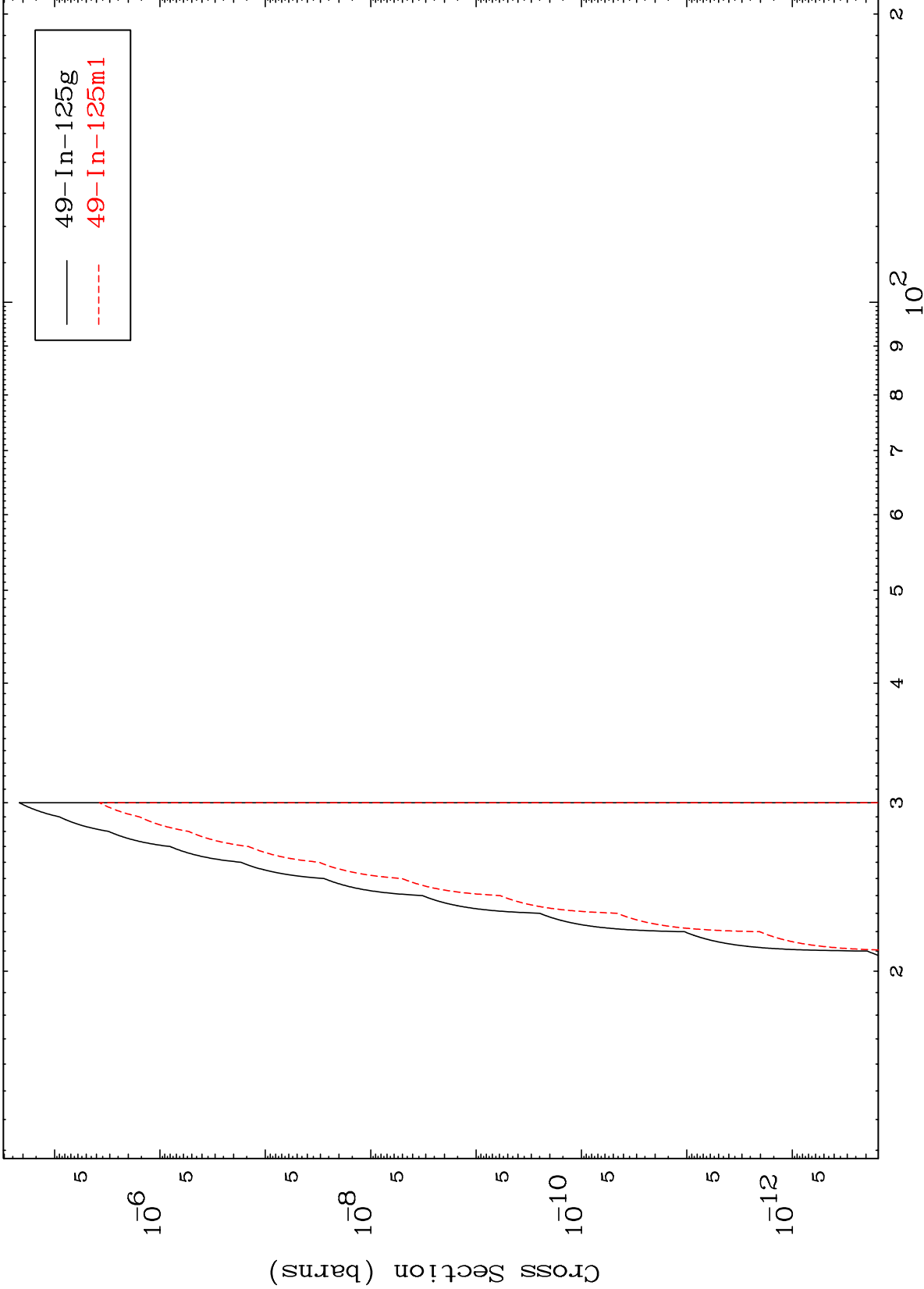
51-Sb-127

MAT 5143

(n,He-3)

51-Sb-127

Radionuclide Production Cross Section

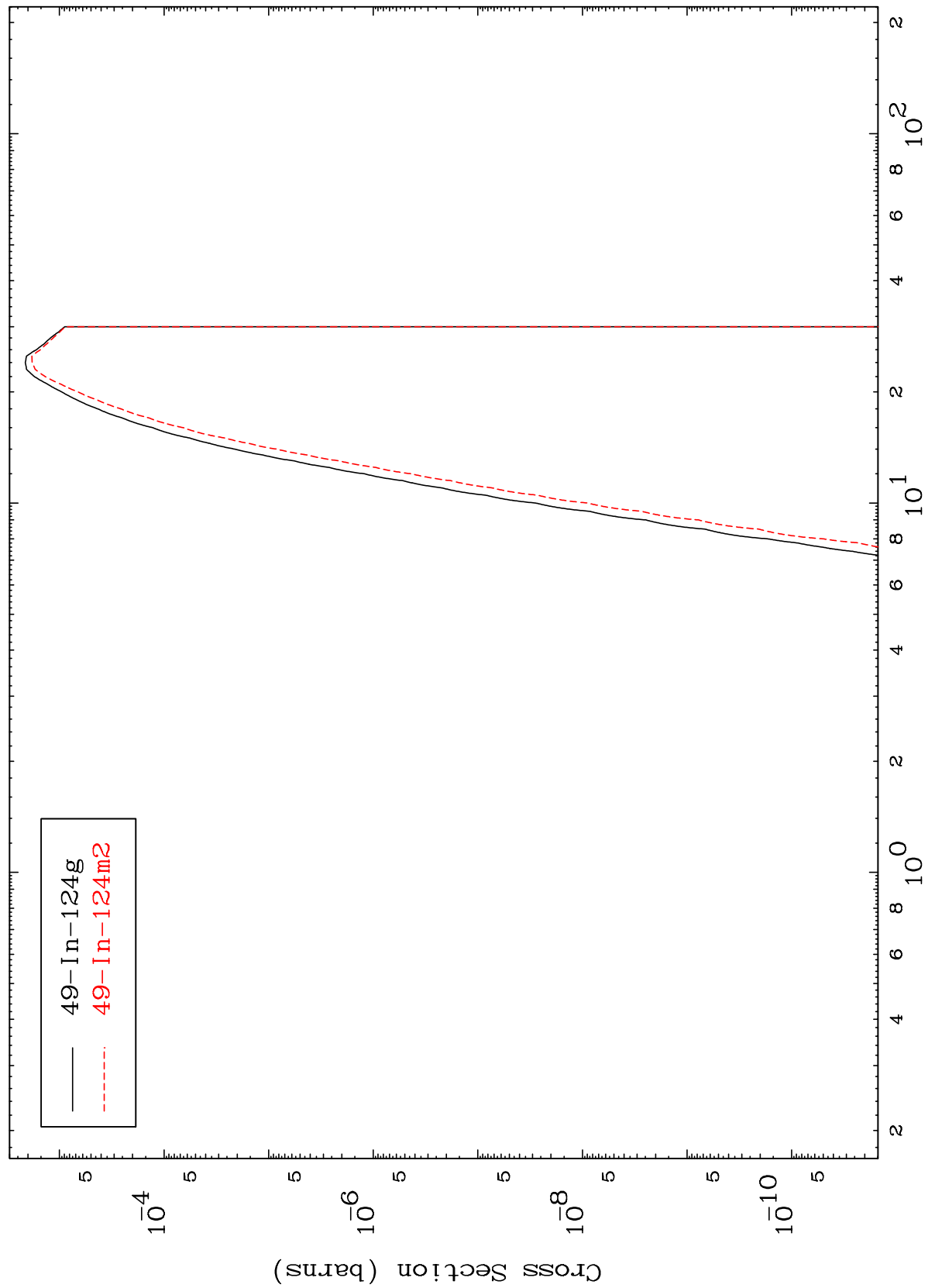


49-In-125g  
49-In-125m1

MAT 5143

51-Sb-127

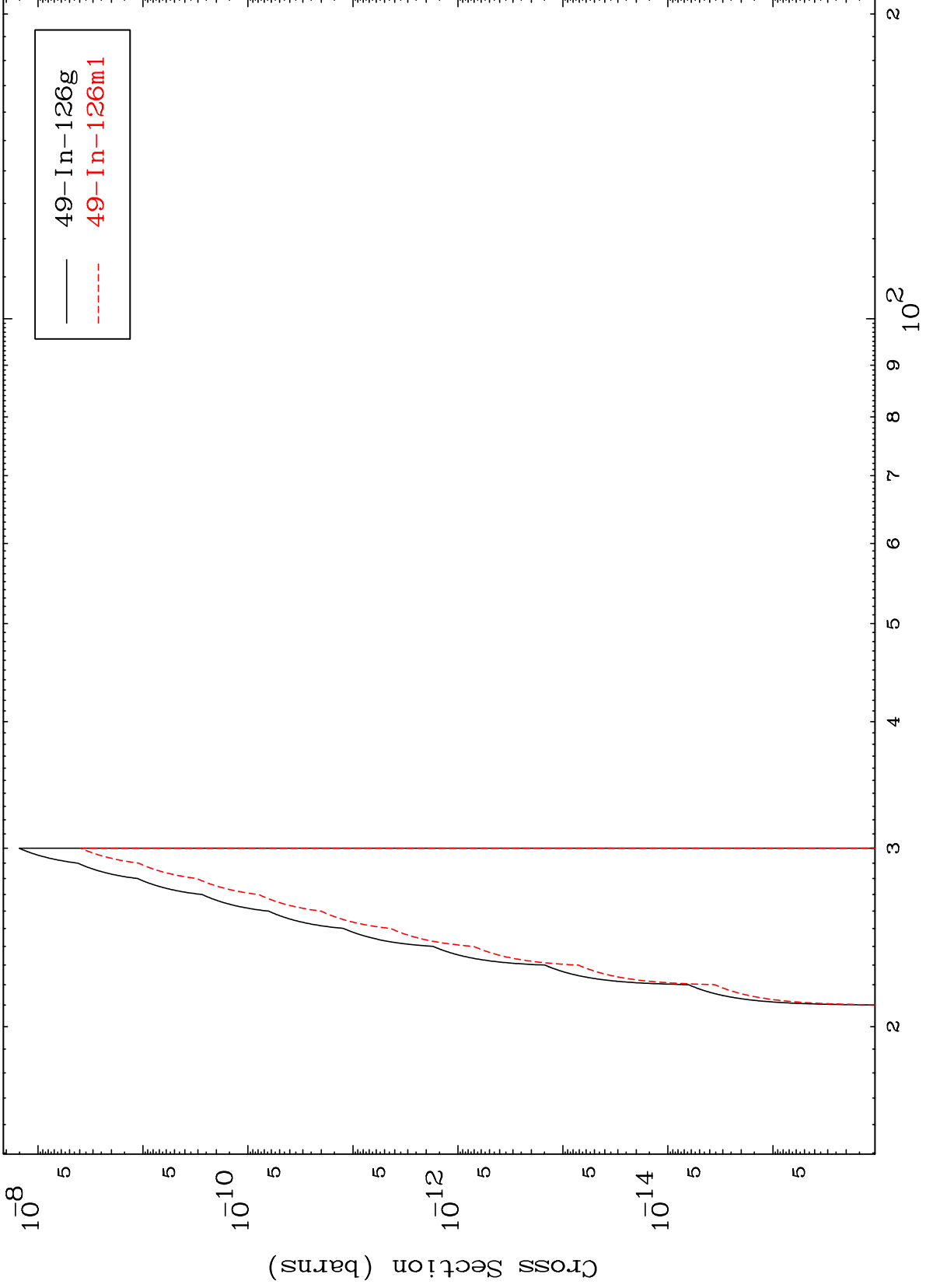
Radionuclide Production Cross Section  
(n,  $\alpha$ )



MAT 5143

51-Sb-127

(n,2p)  
Radionuclide Production Cross Section



99

Incident Energy (MeV)

51-Sb-127