

Program EVALPLOT
(Version 2021-1)

by

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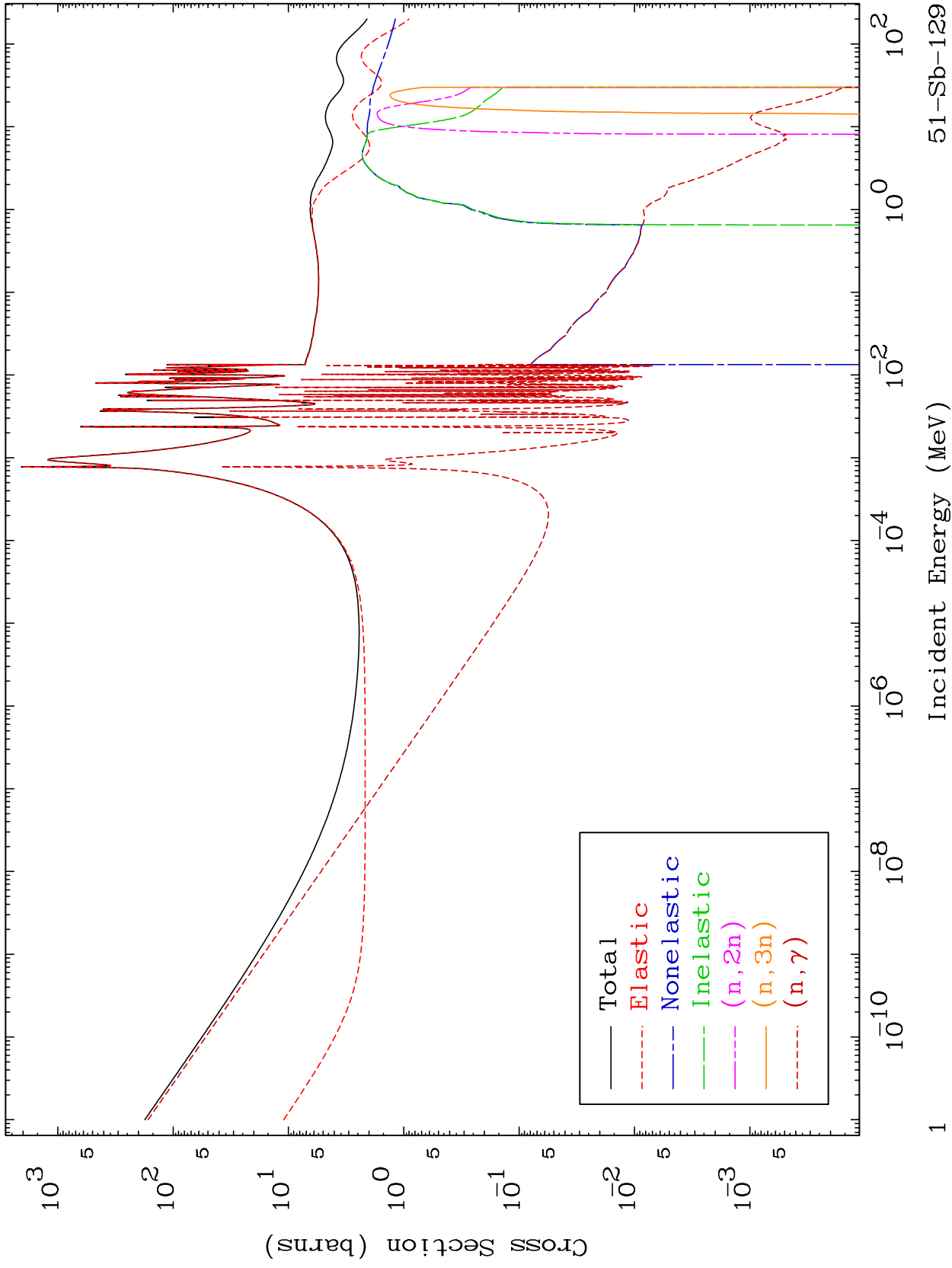
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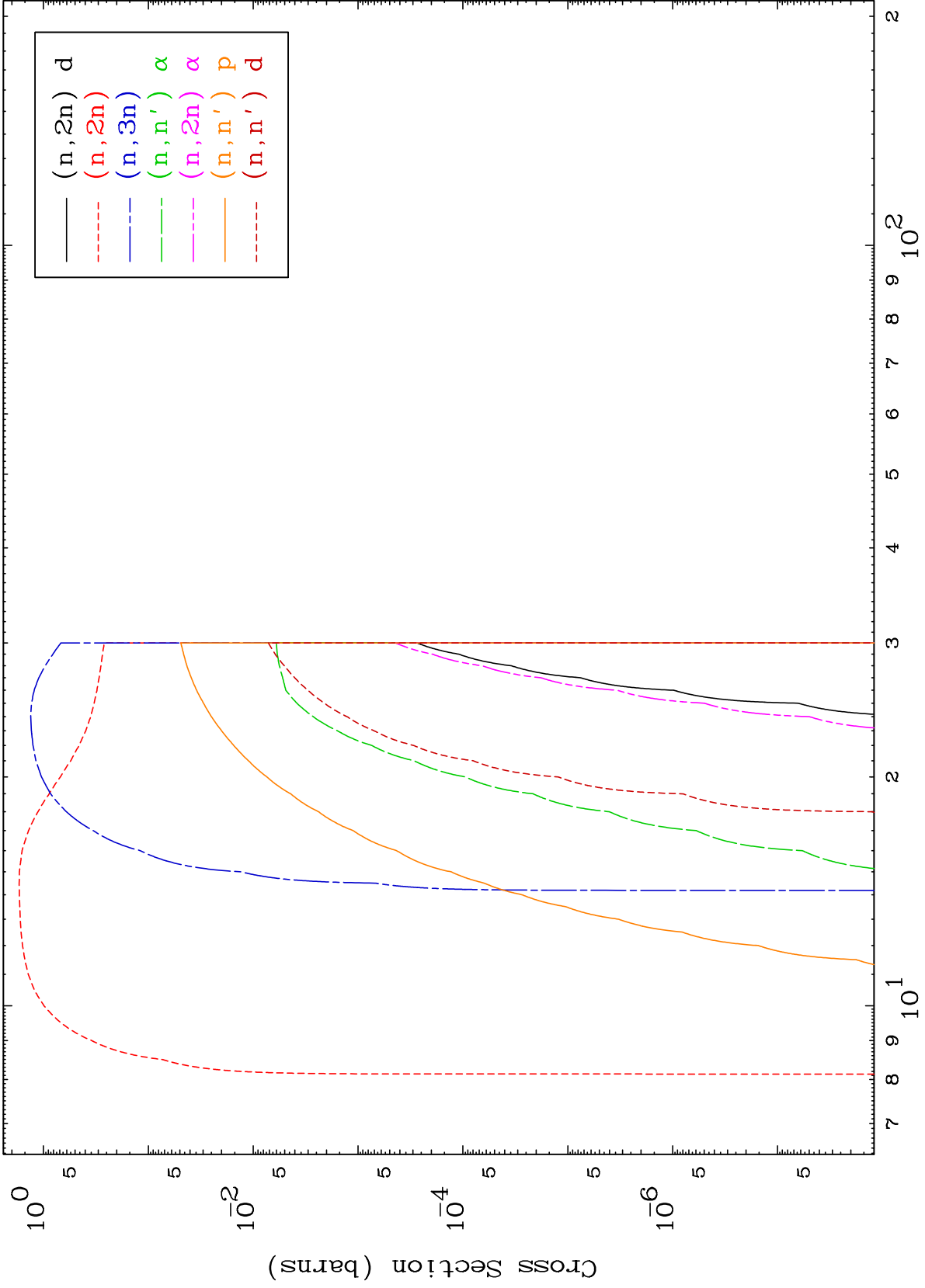
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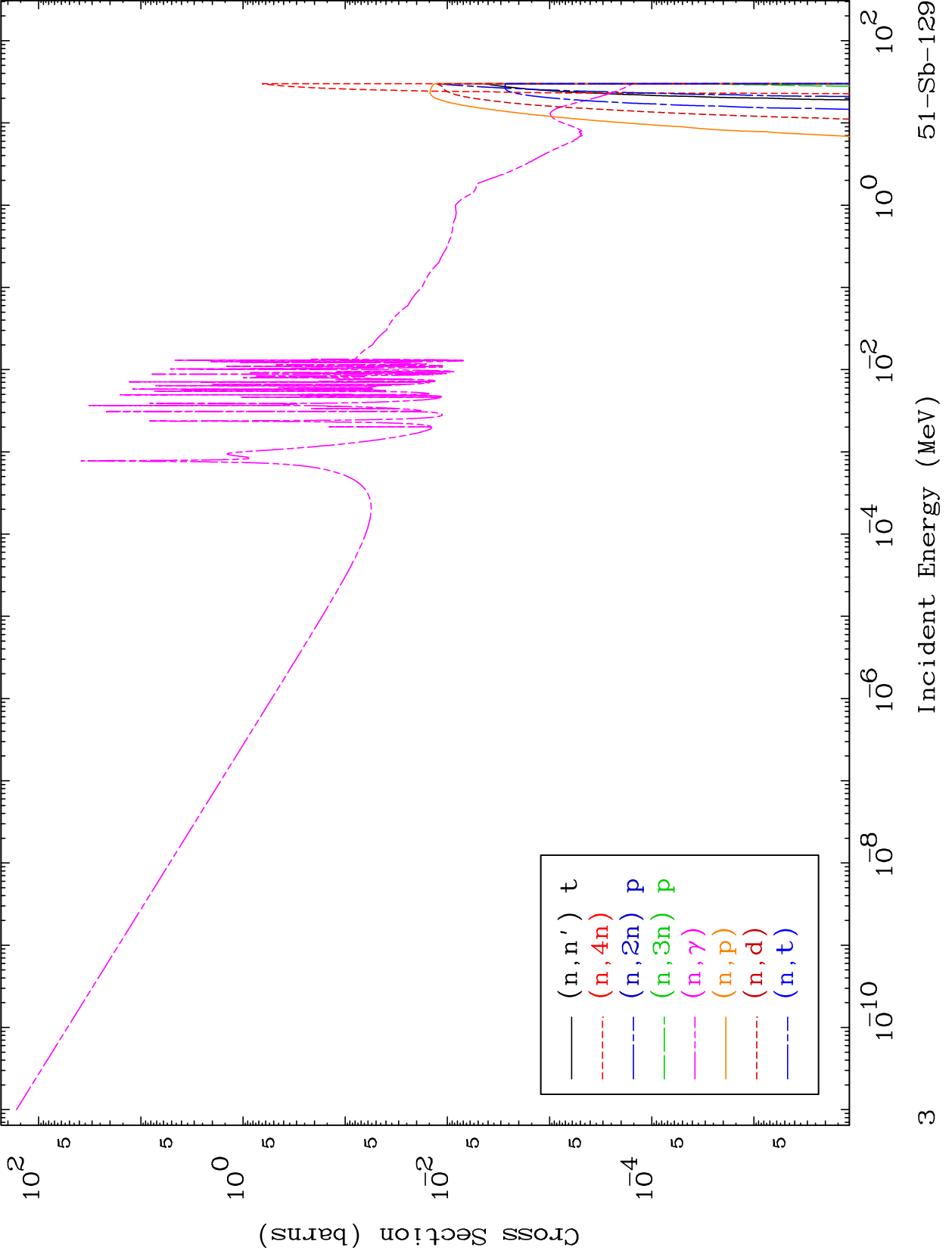
MAT 5149

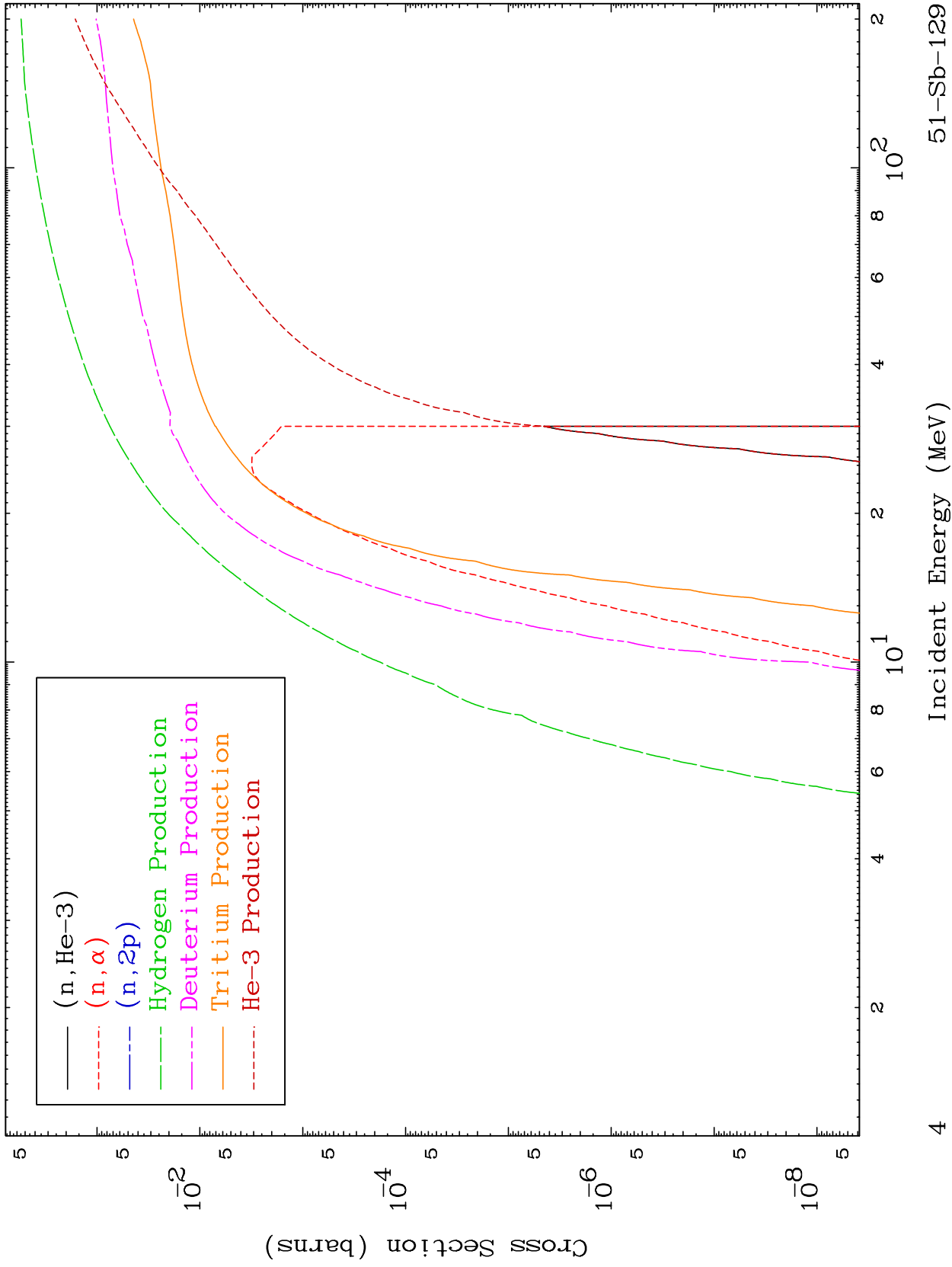
Neutron Major
293 Kelvin Cross Sections

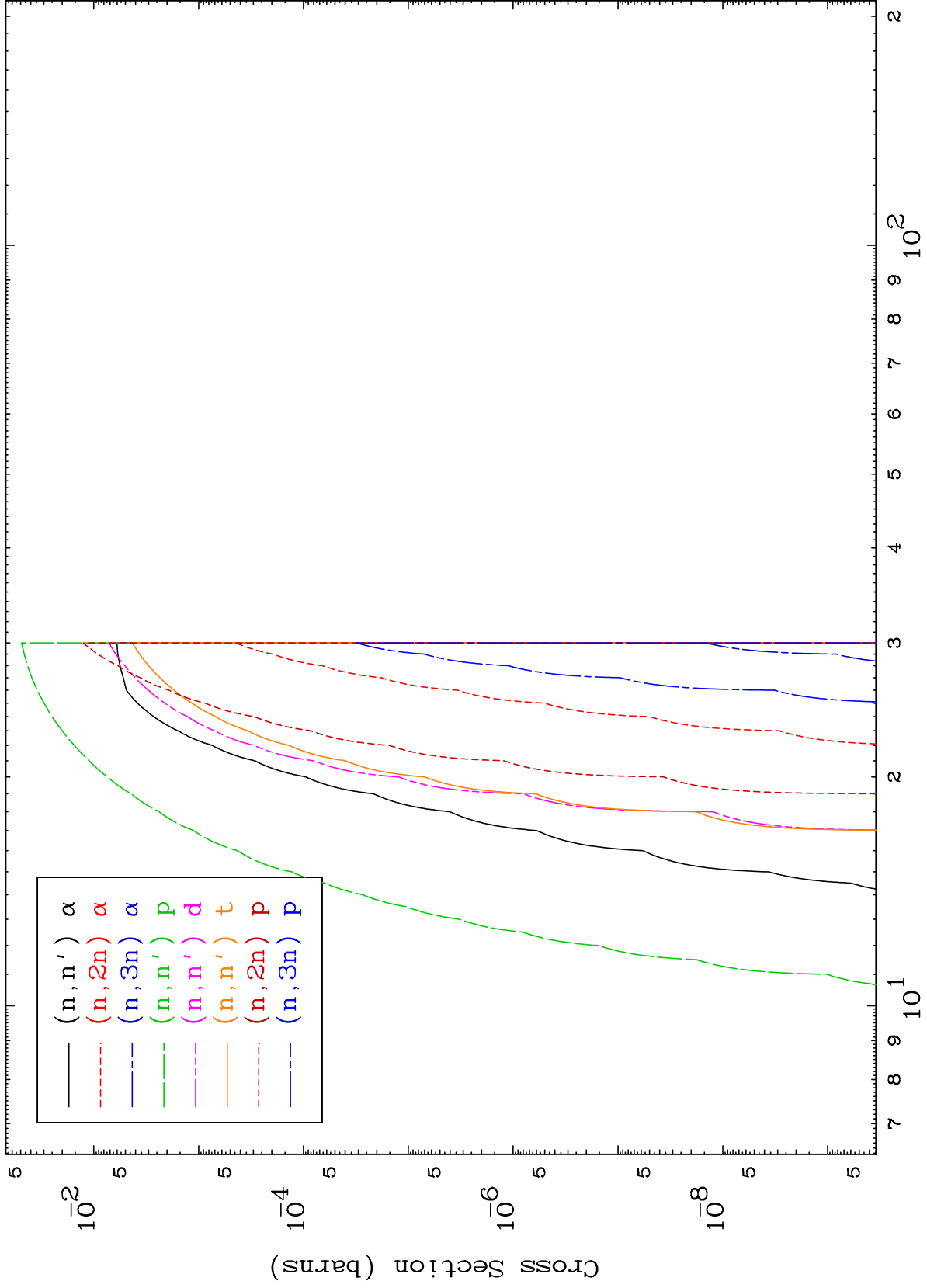
51-Sb-129

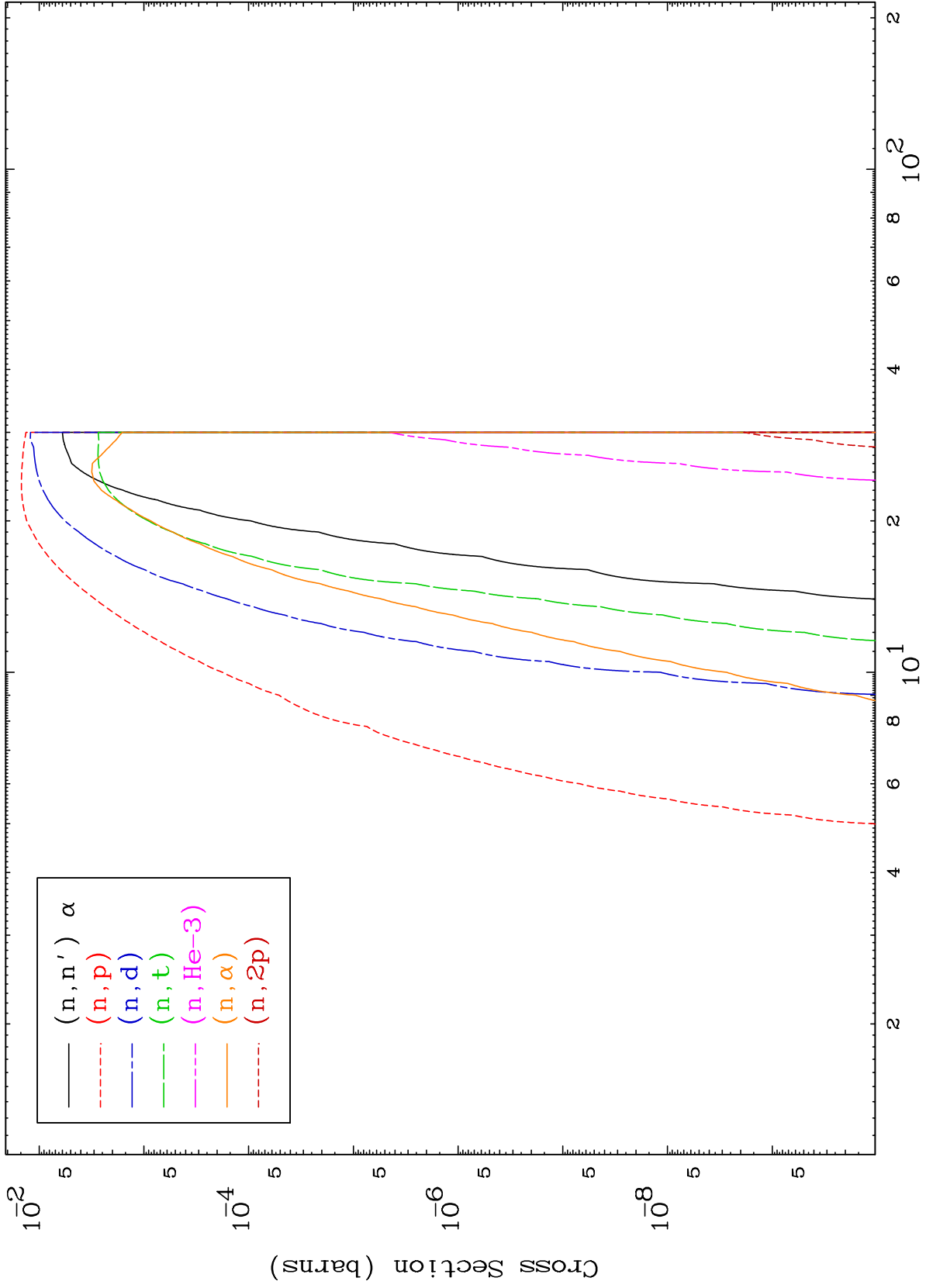


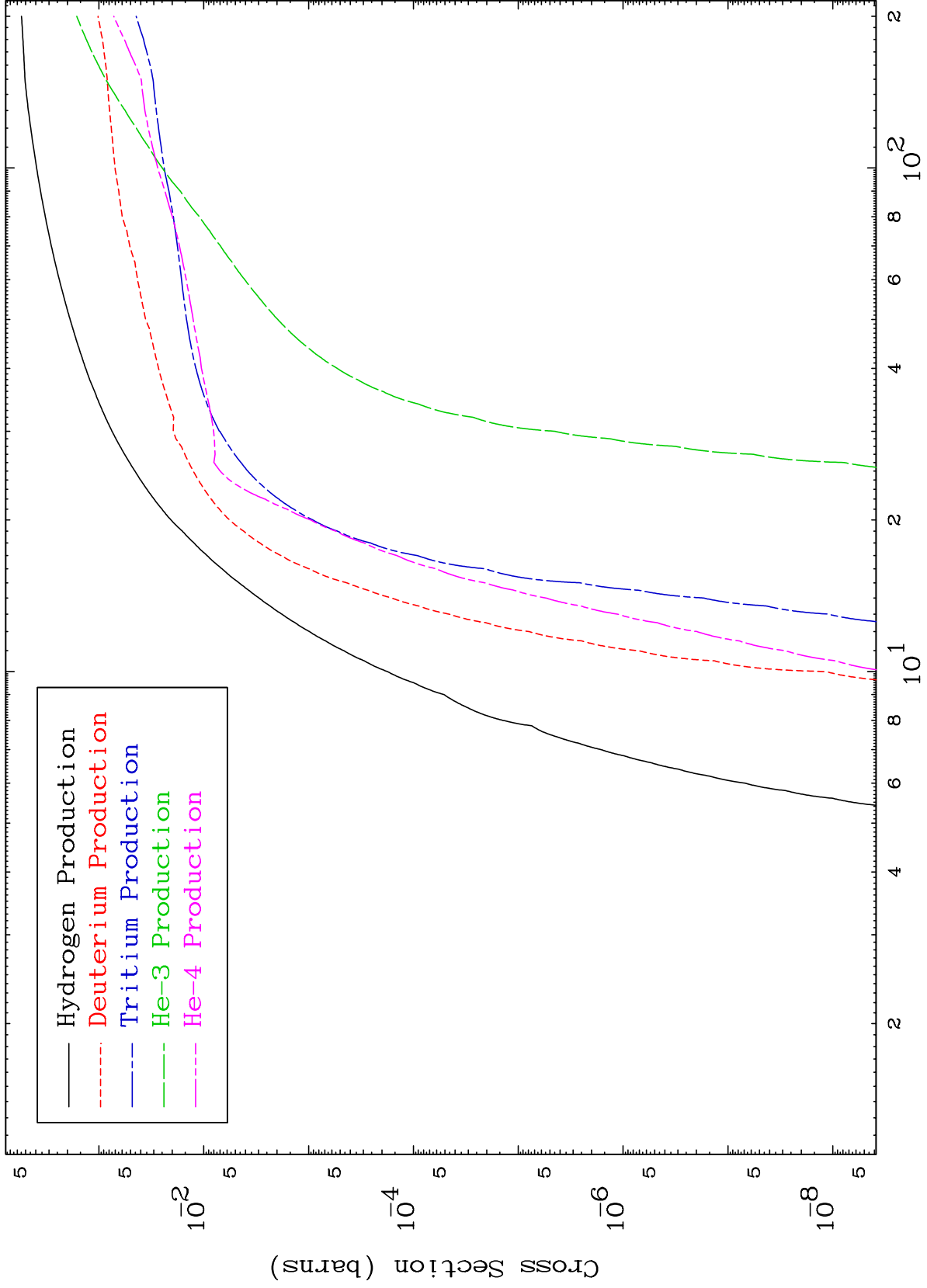




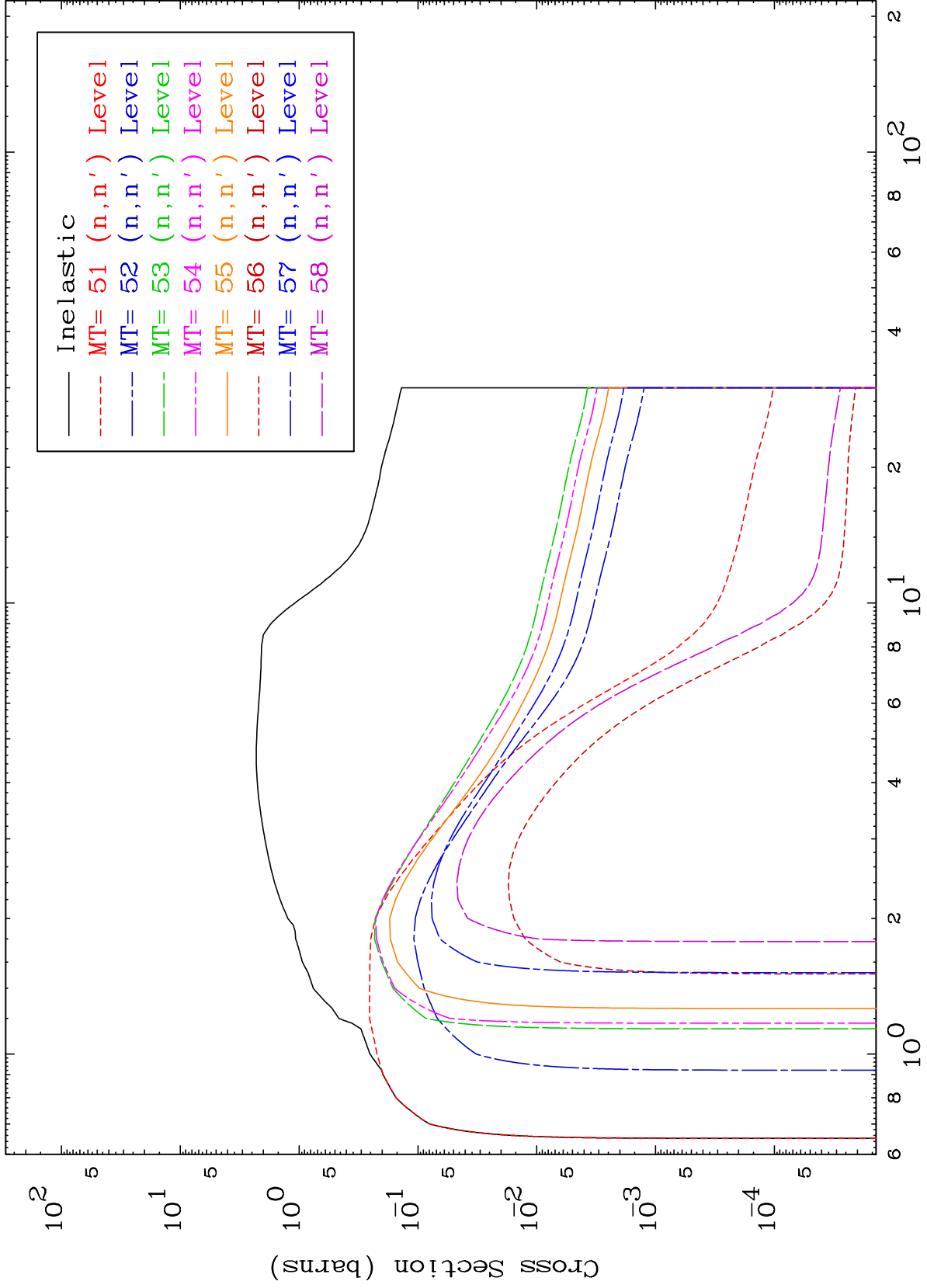




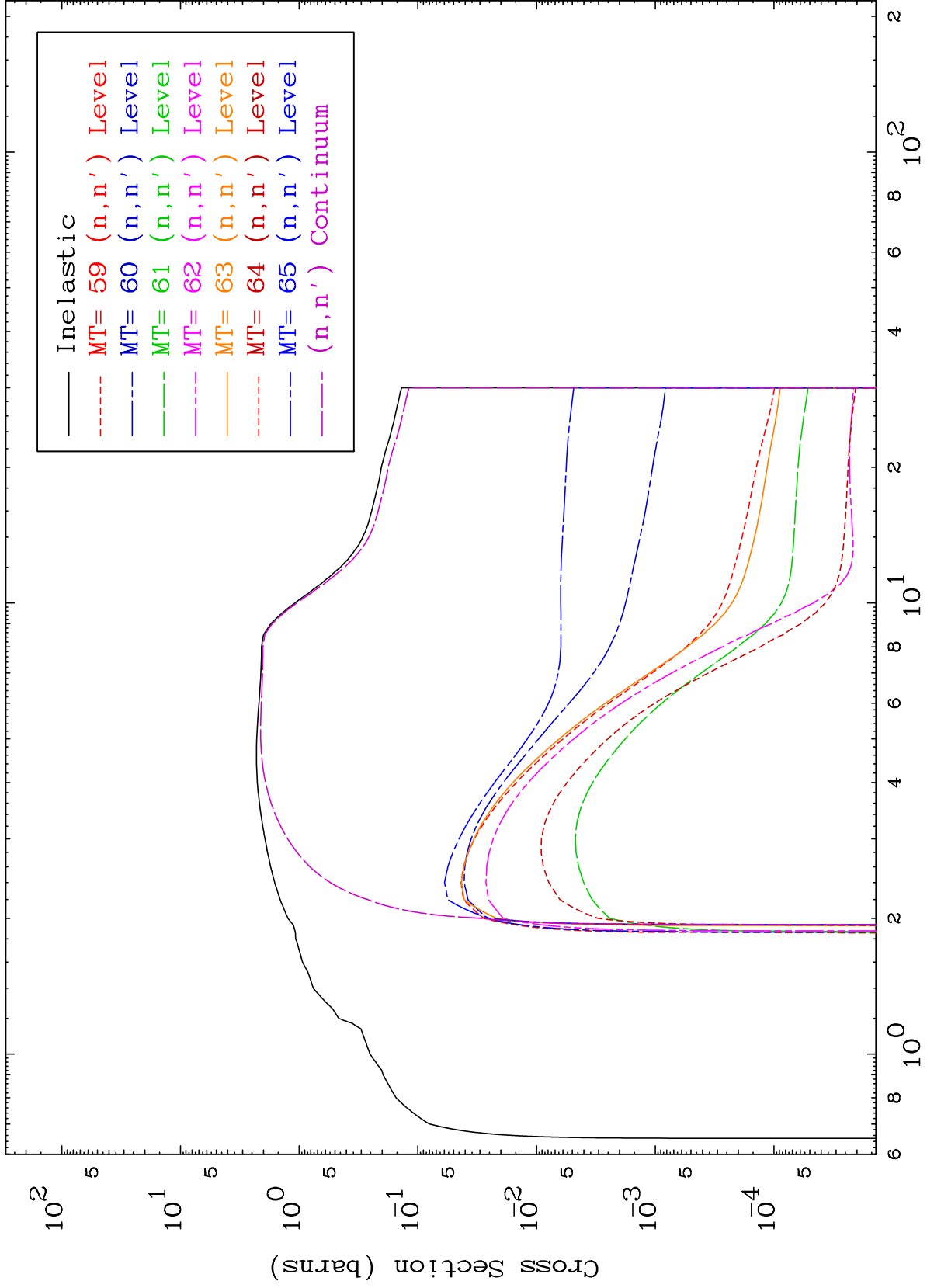




293 Kelvin Cross Sections



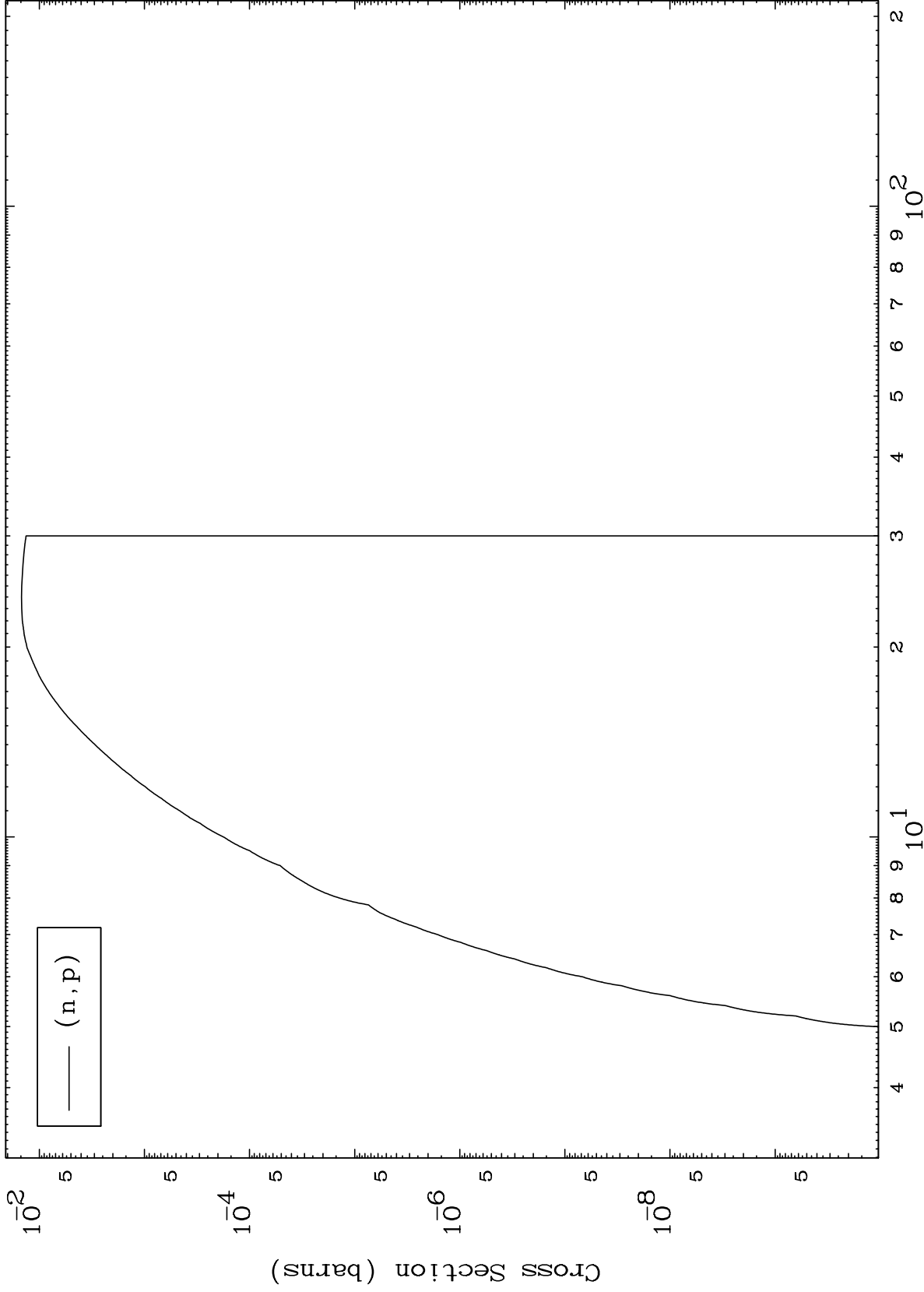
293 Kelvin Cross Sections



MAT 5149

(n,p) Levels
293 Kelvin Cross Sections

51-Sb-129



10

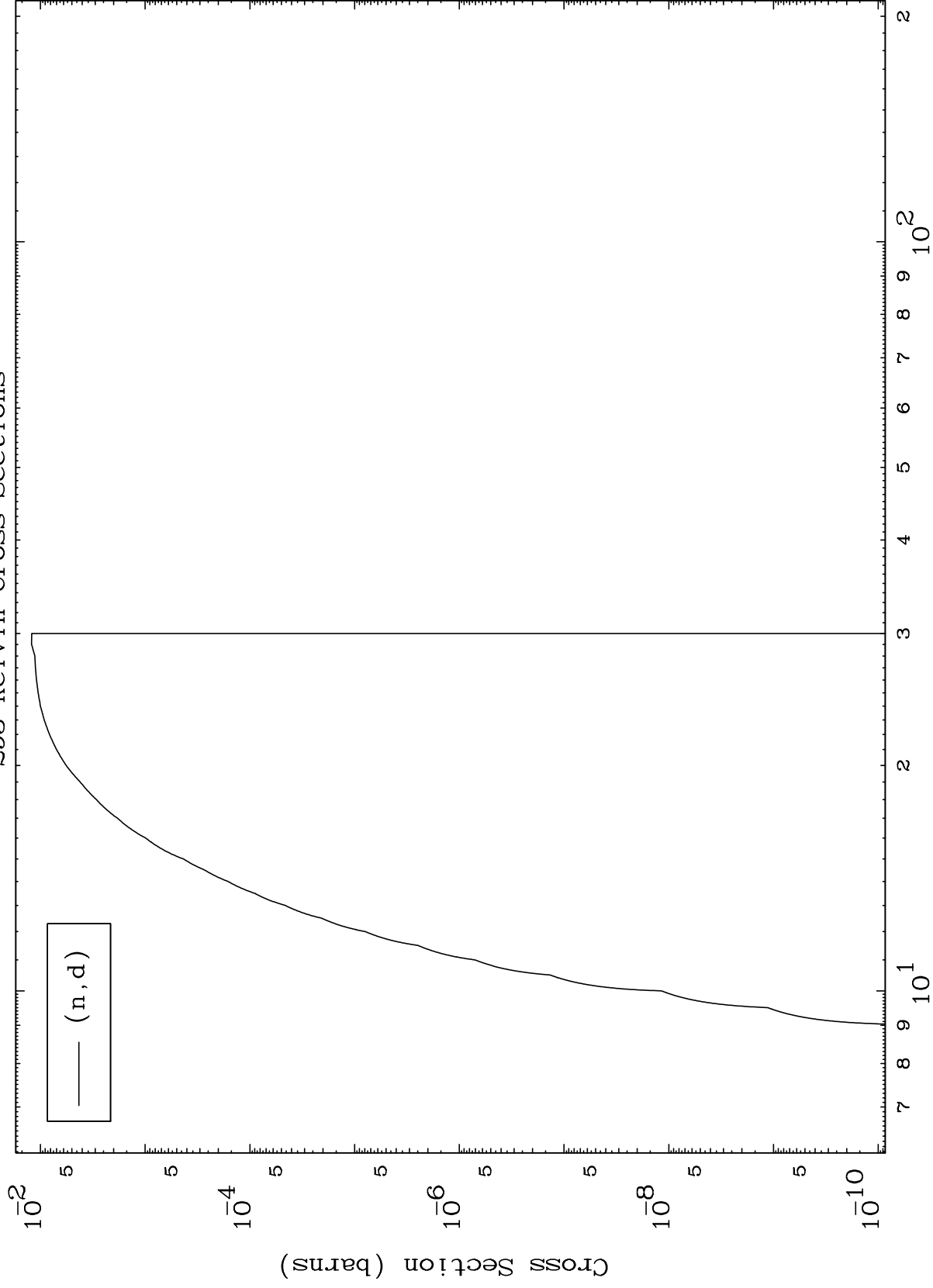
Incident Energy (MeV)

51-Sb-129

MAT 5149

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-129



11

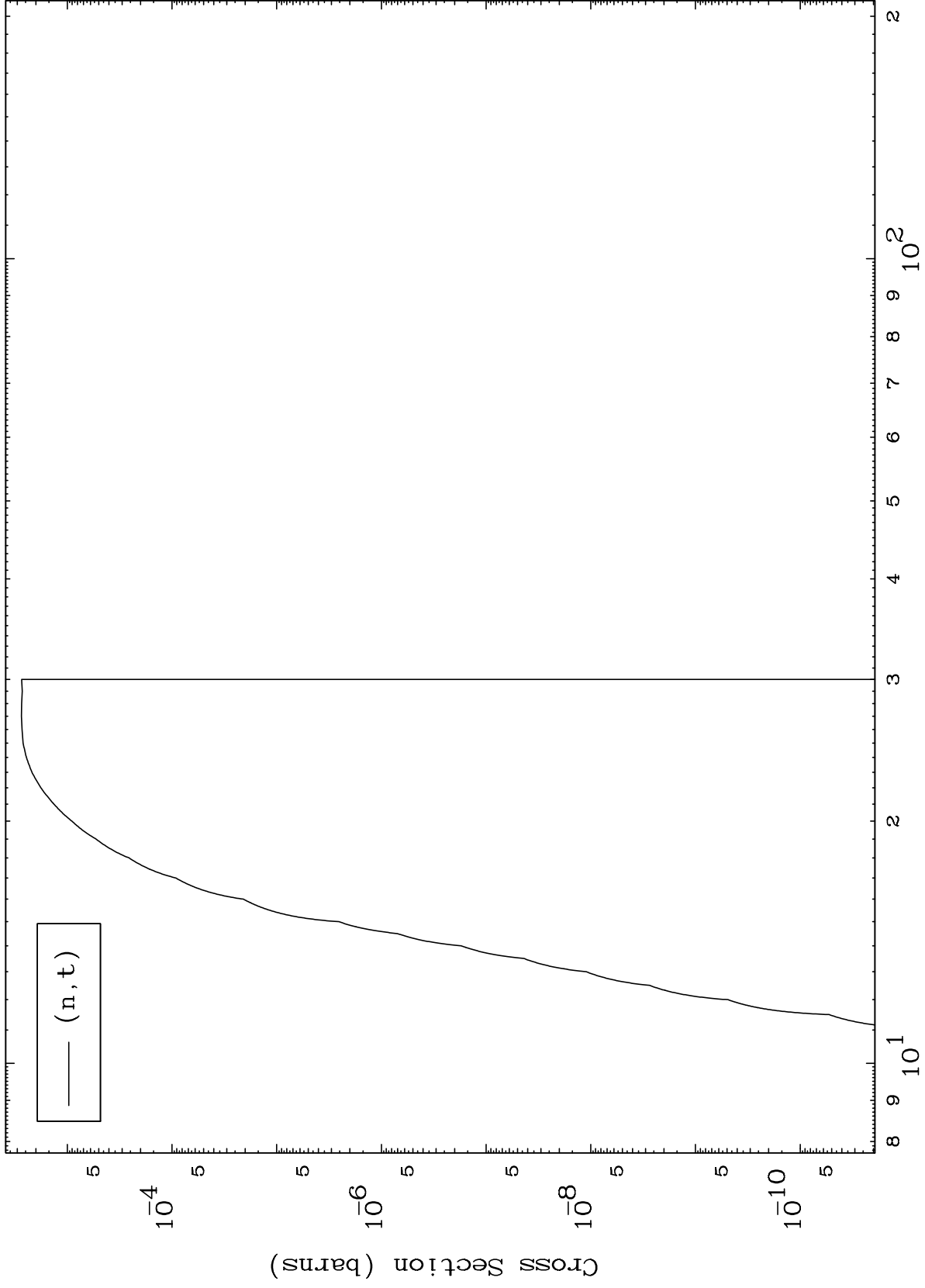
Incident Energy (MeV)

51-Sb-129

MAT 5149

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-129



12

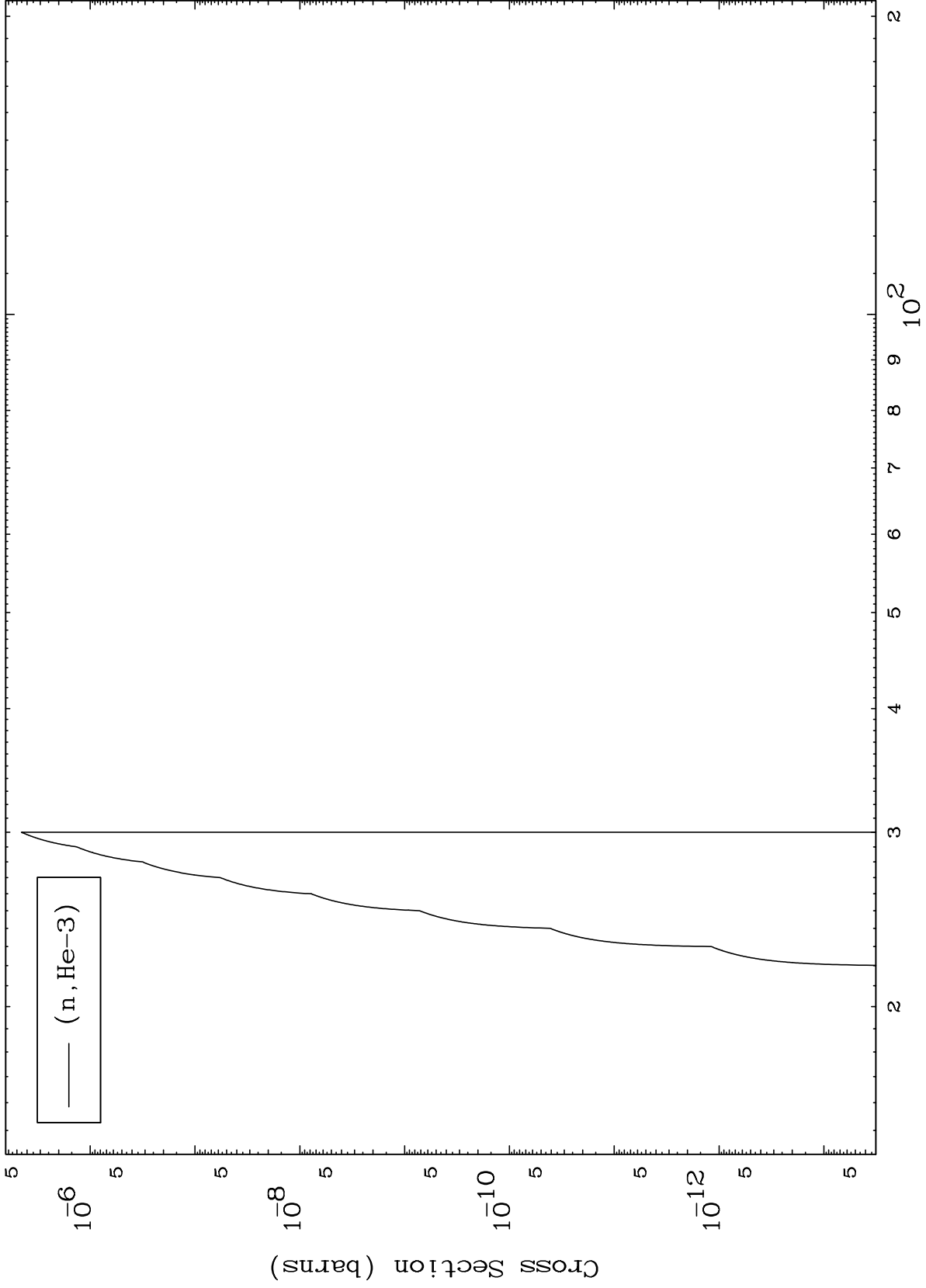
Incident Energy (MeV)

51-Sb-129

MAT 5149

(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-129



13

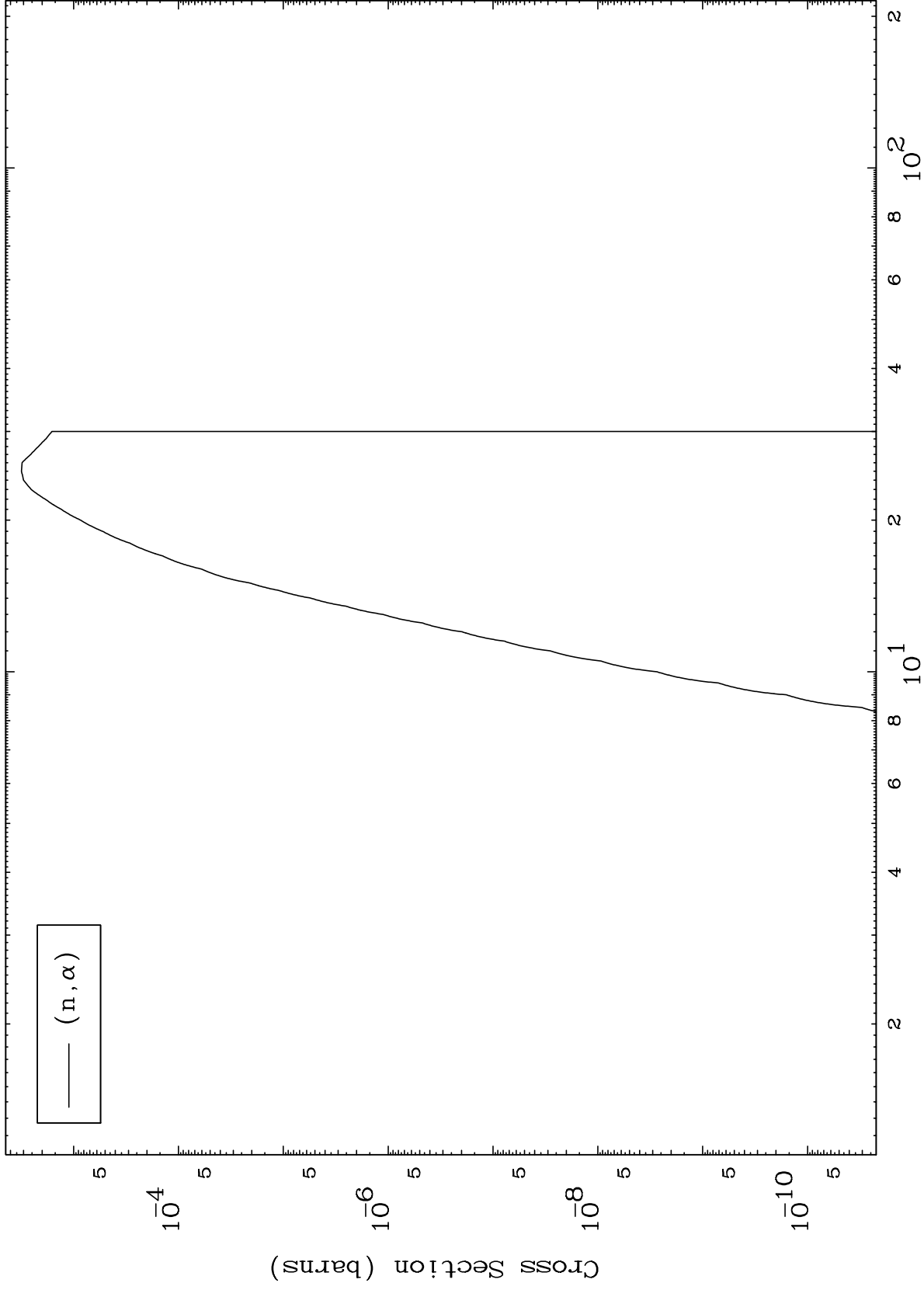
Incident Energy (MeV)

51-Sb-129

MAT 5149

(n, α) Levels
293 Kelvin Cross Sections

51-Sb-129



14

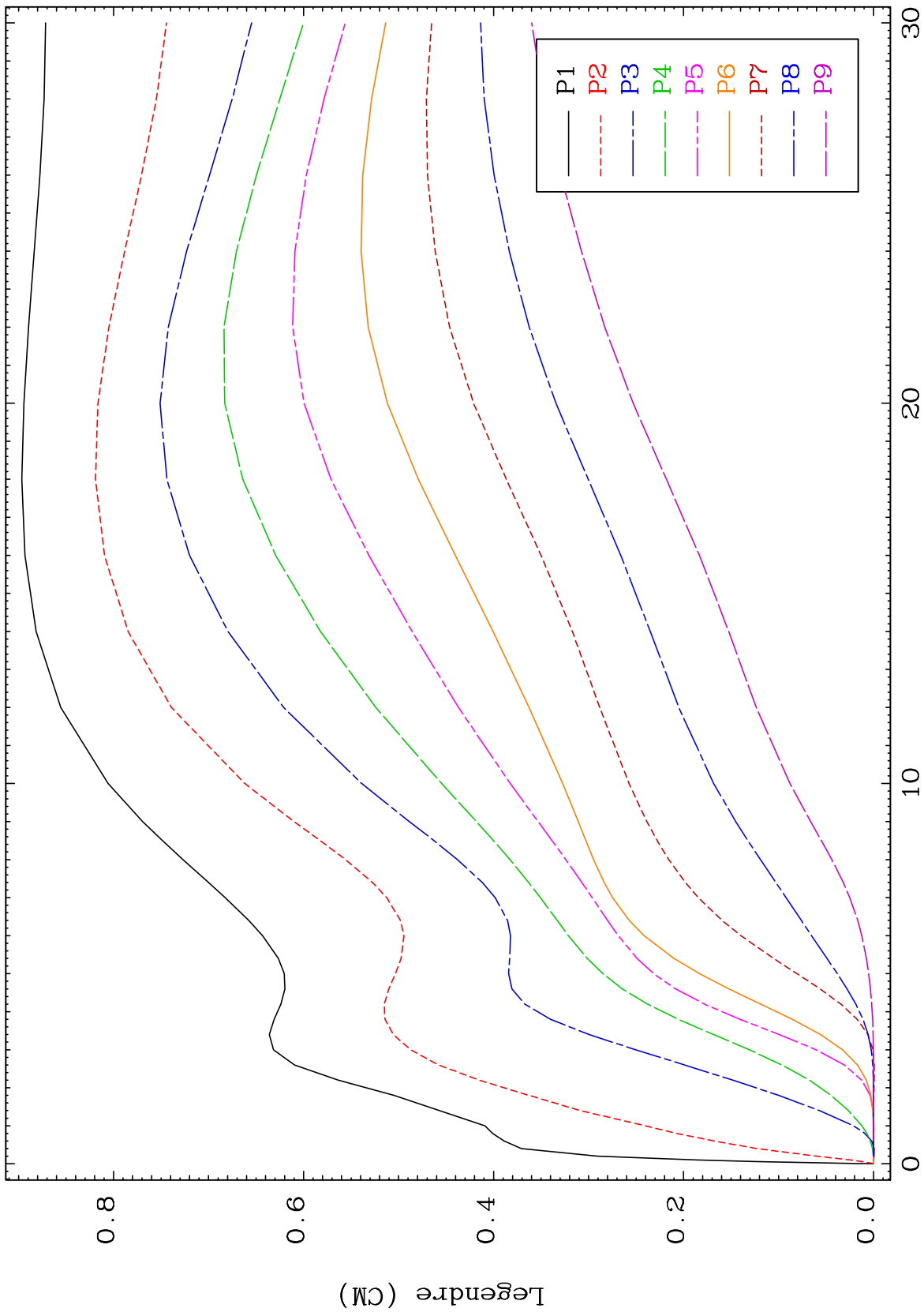
Incident Energy (MeV)

51-Sb-129

MAT 5149

51-Sb-129

Elastic Legendre Coefficients



15

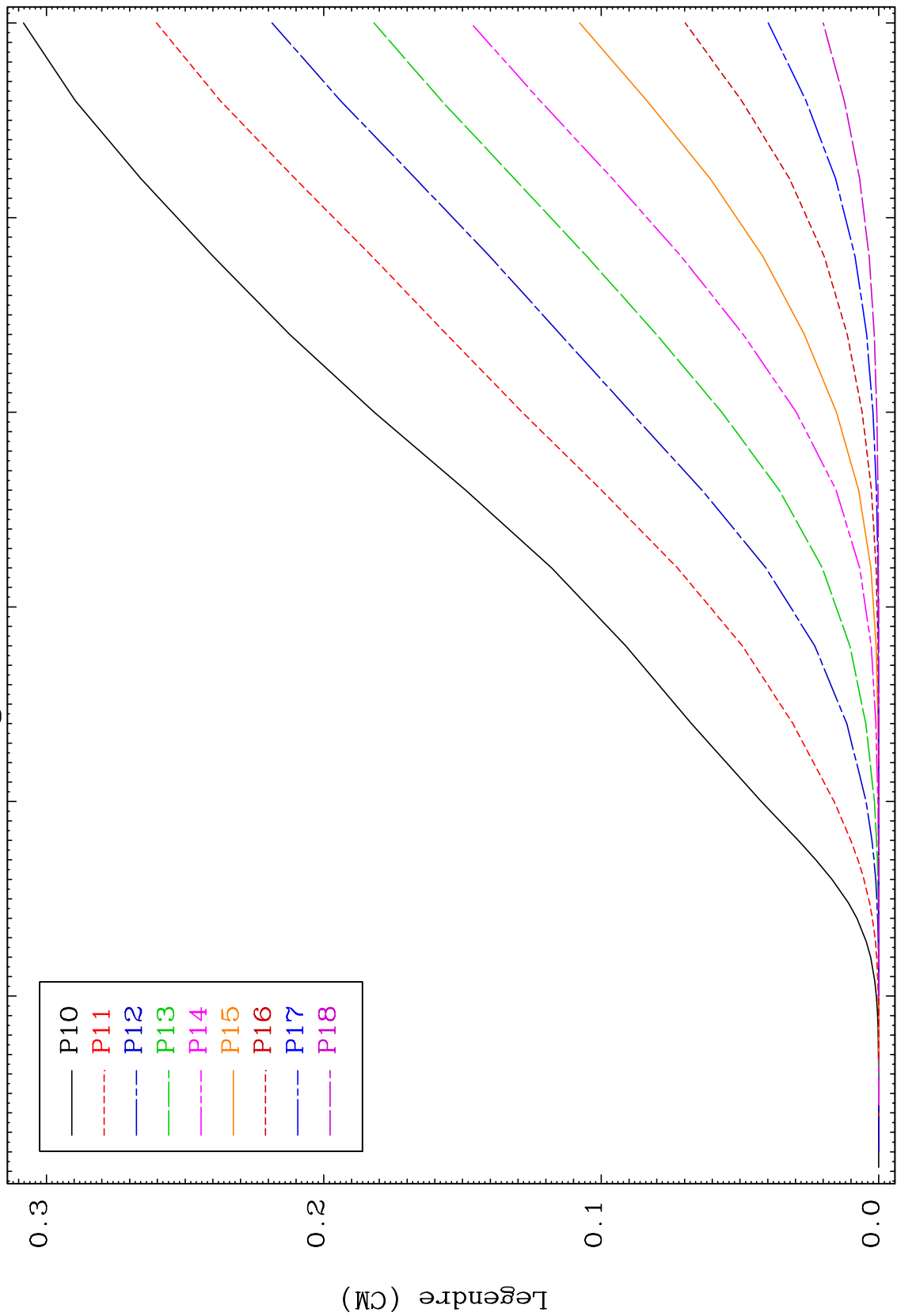
Incident Energy (MeV)

51-Sb-129

MAT 5149

Elastic Legendre Coefficients

51-Sb-129



16

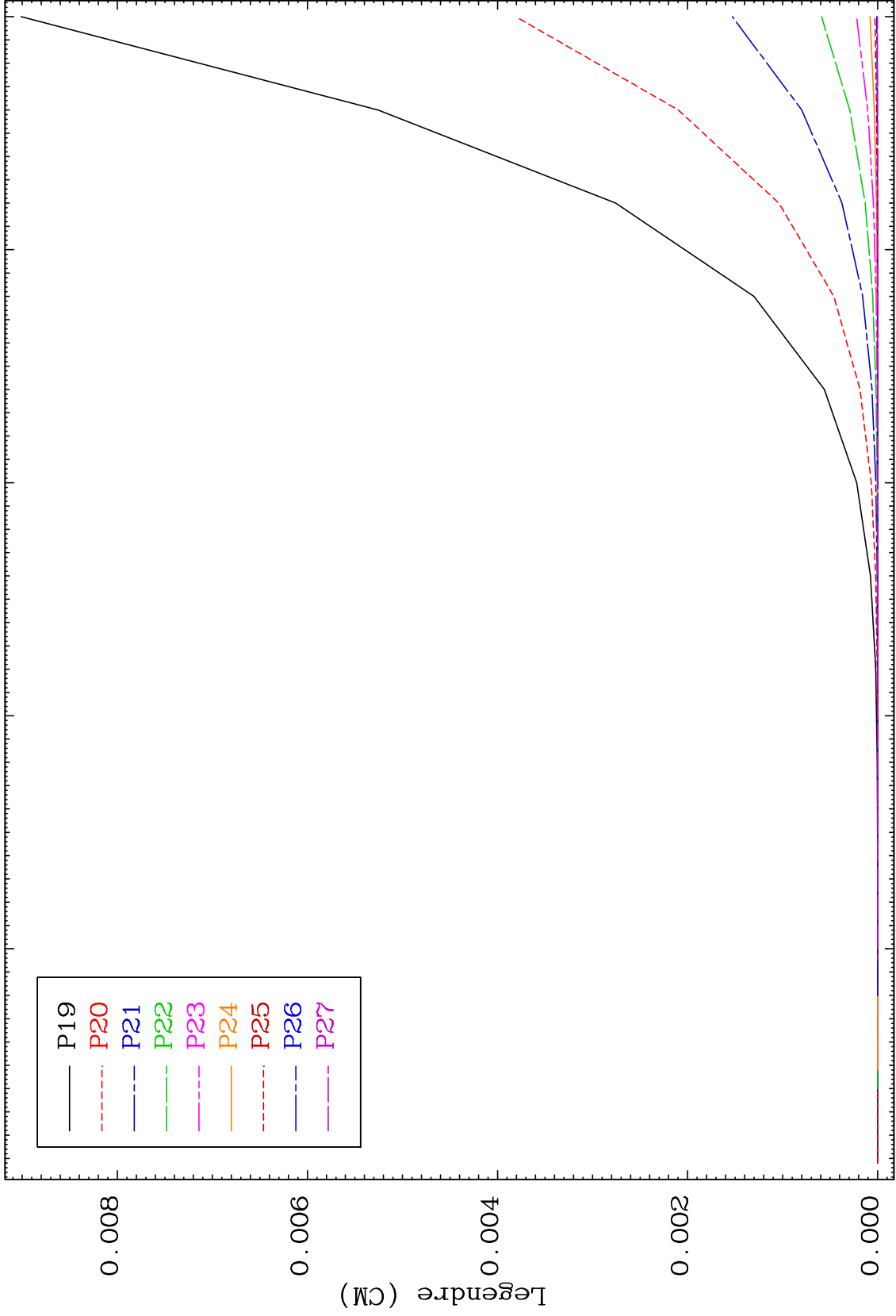
Incident Energy (MeV)

51-Sb-129

MAT 5149

Elastic Legendre Coefficients

51-Sb-129



17

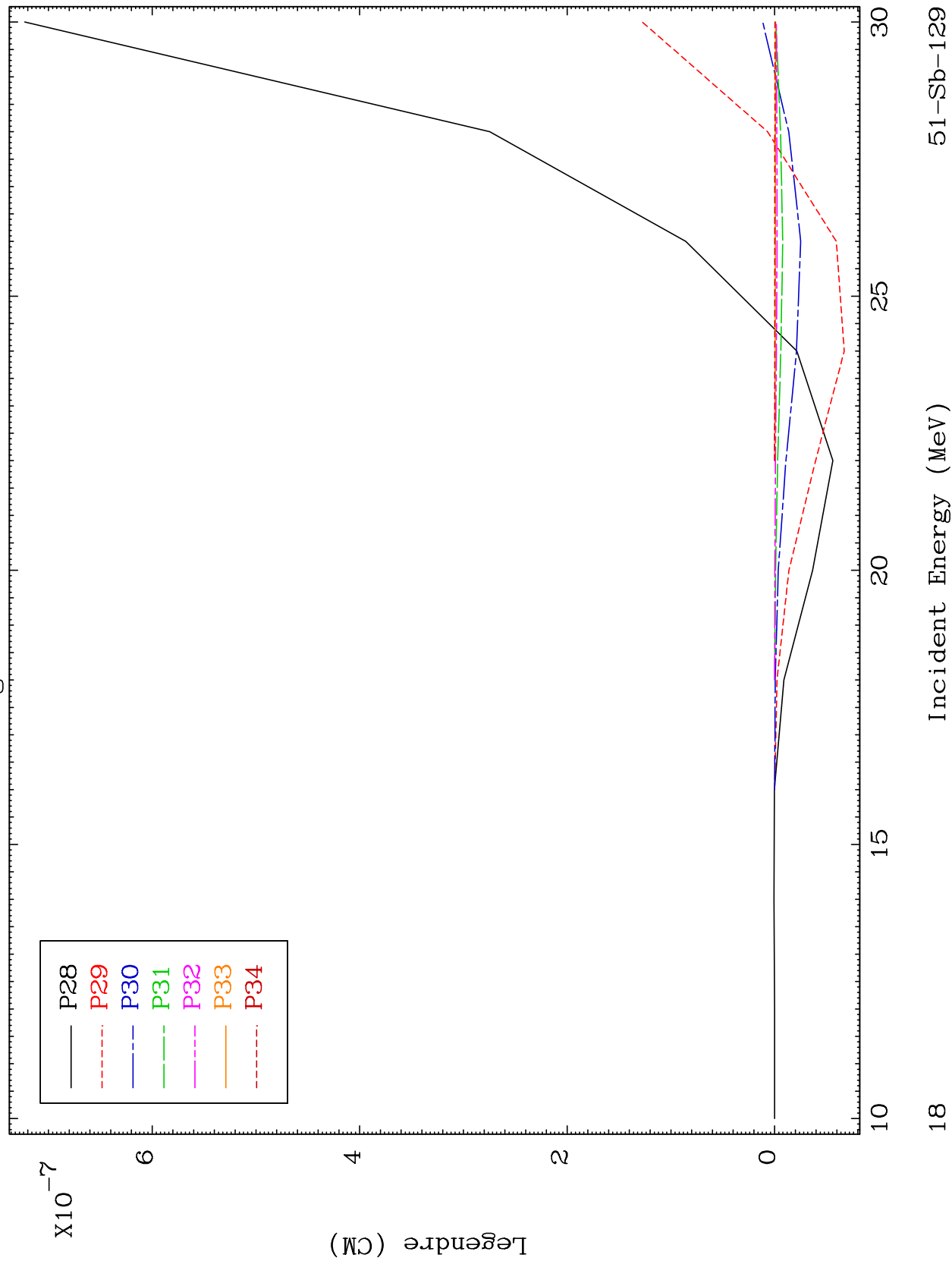
Incident Energy (MeV)

51-Sb-129

MAT 5149

Elastic Legendre Coefficients

51-Sb-129



18

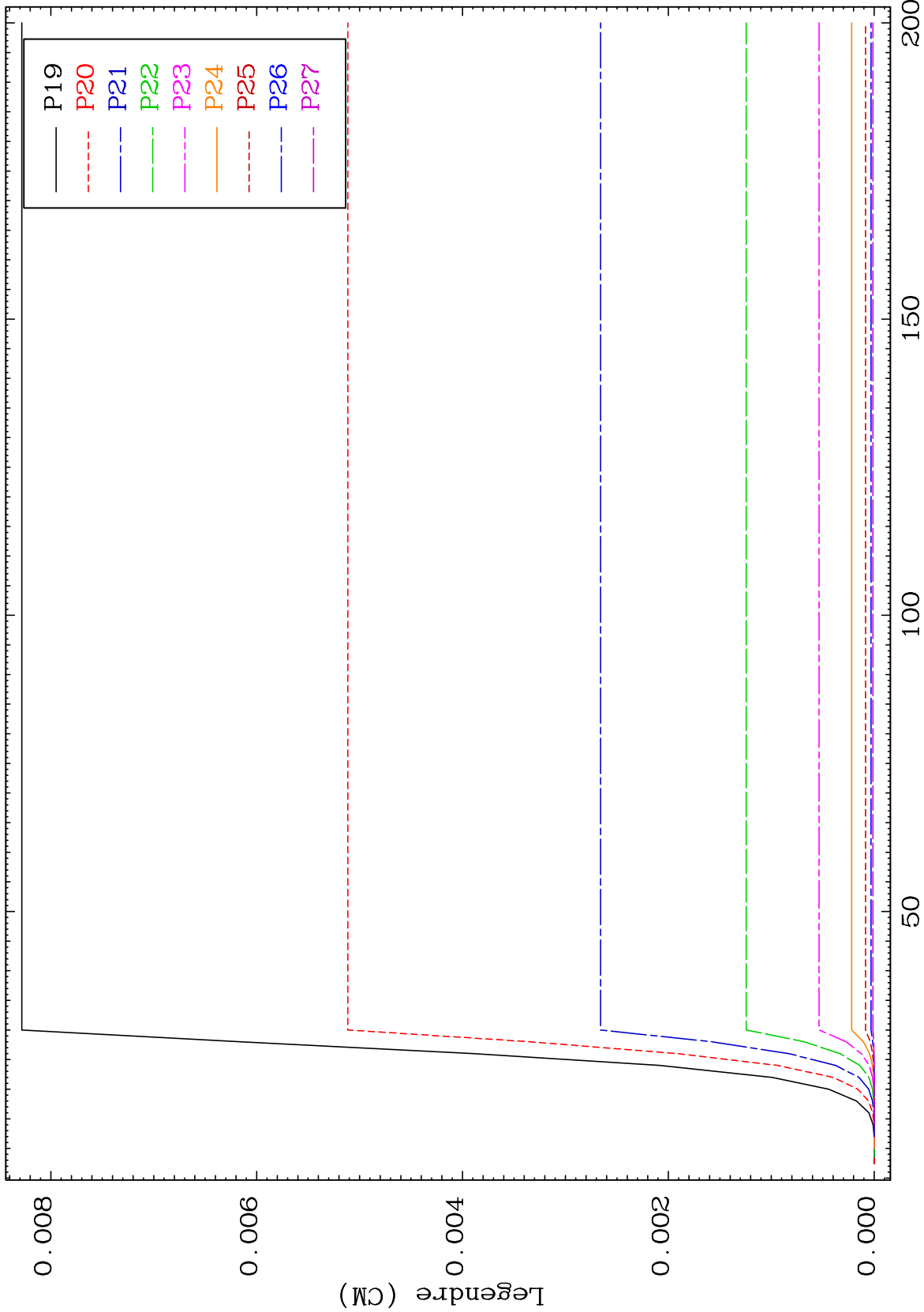
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

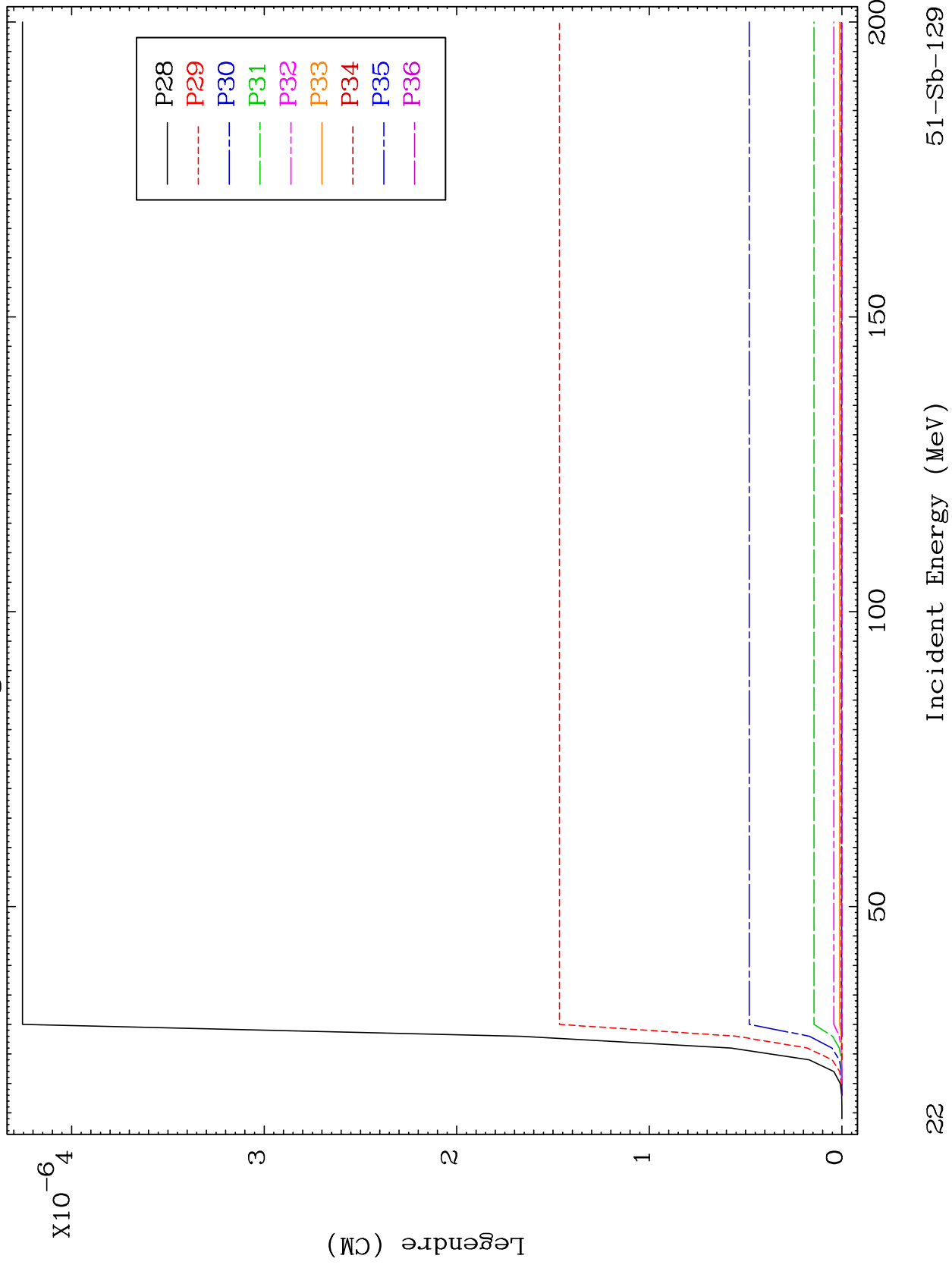
51-Sb-129



MAT 5149

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

51-Sb-129



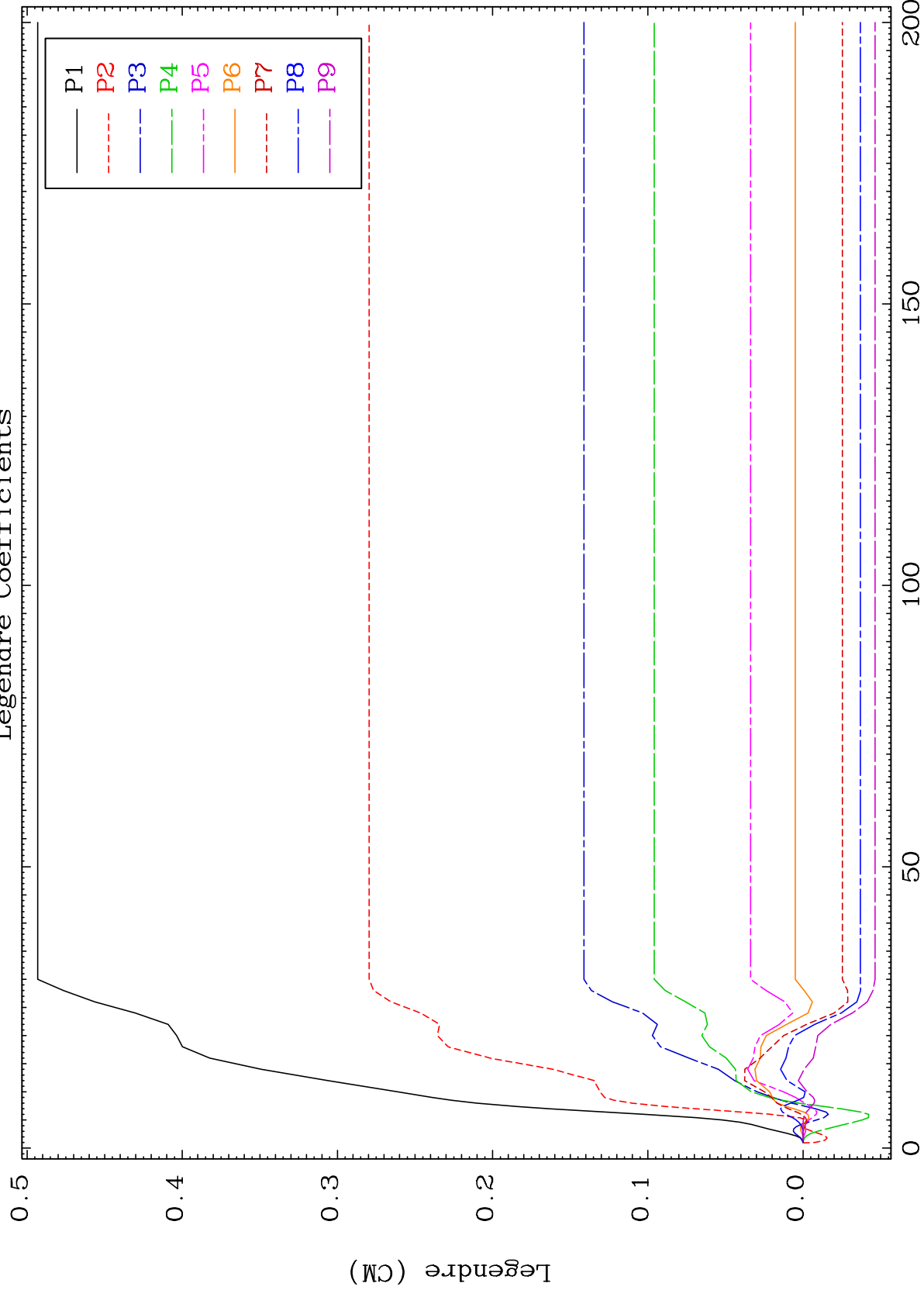
22

MAT 5149

MT= 52 (n,n') Level

51-Sb-129

Legendre Coefficients



51-Sb-129

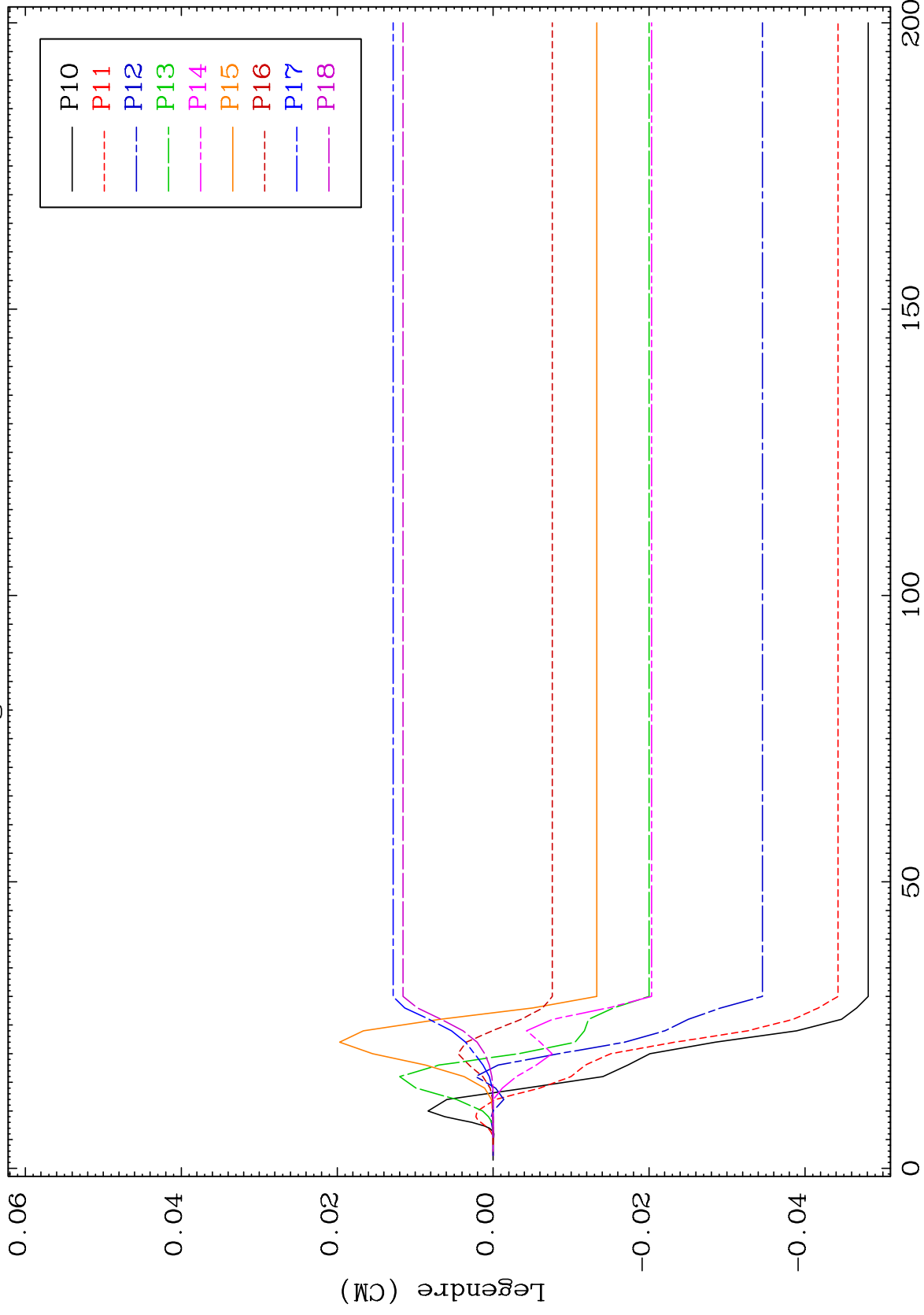
Incident Energy (MeV)

23

MAT 5149

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

51-Sb-129



24

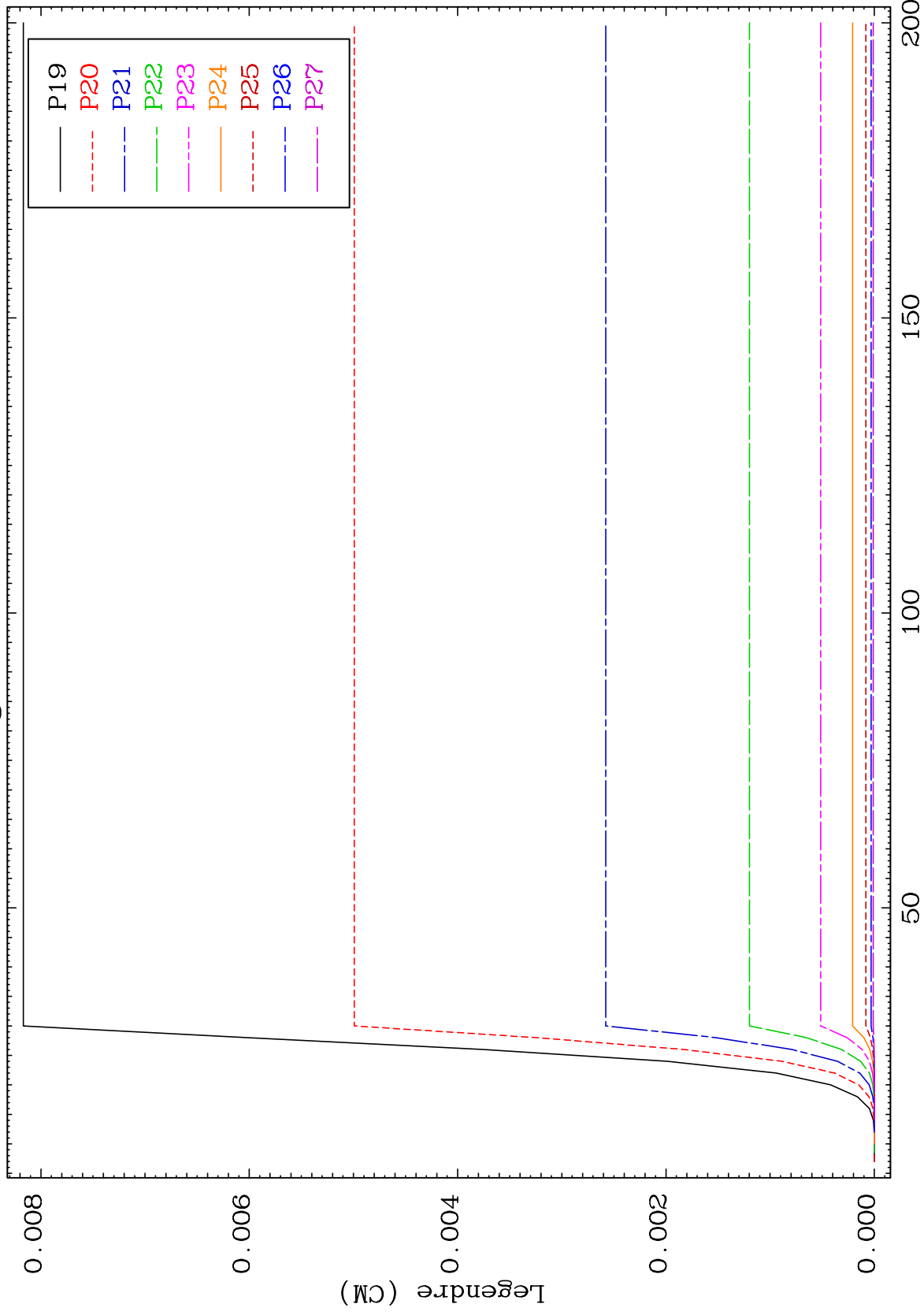
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



25

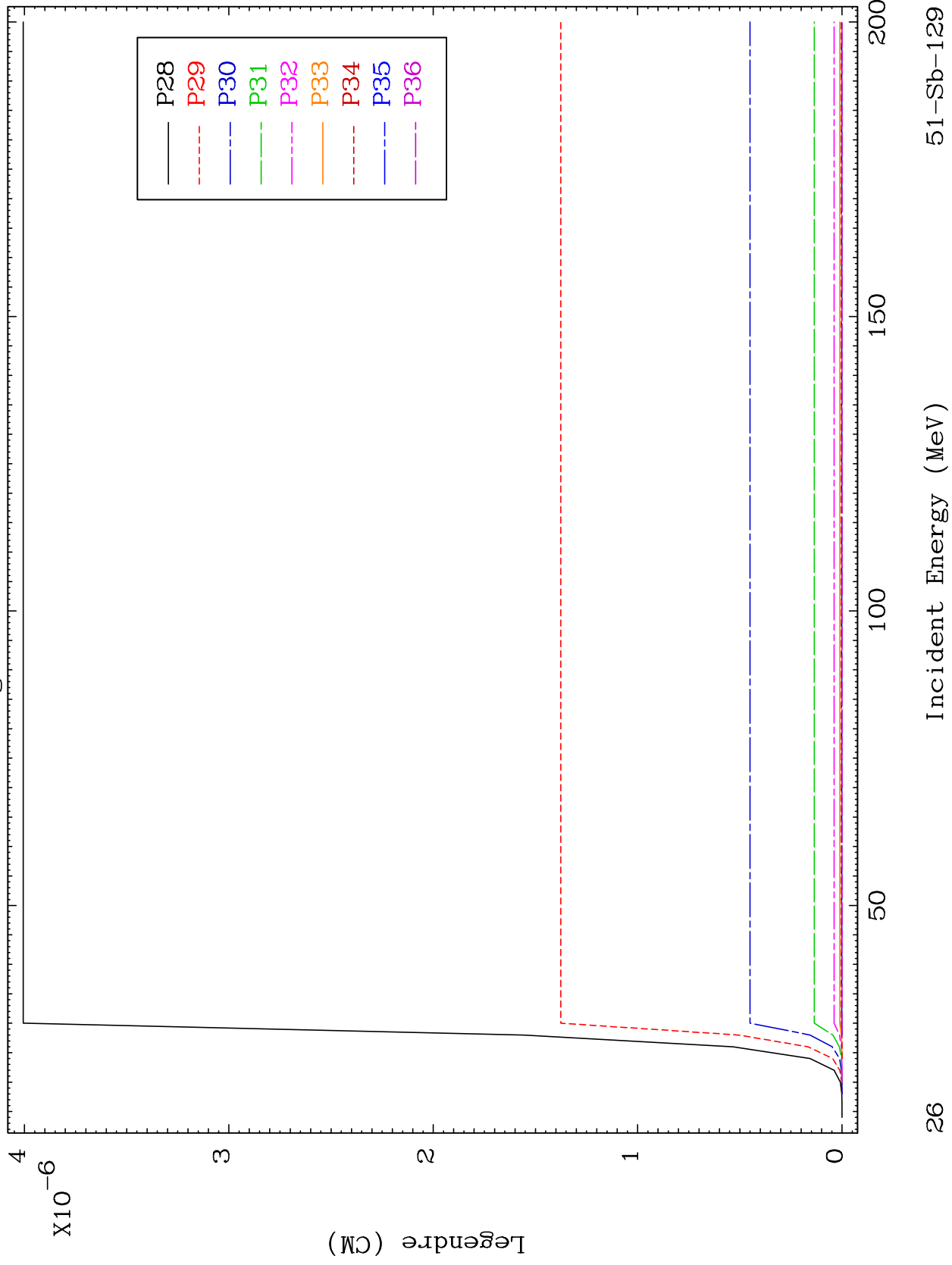
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

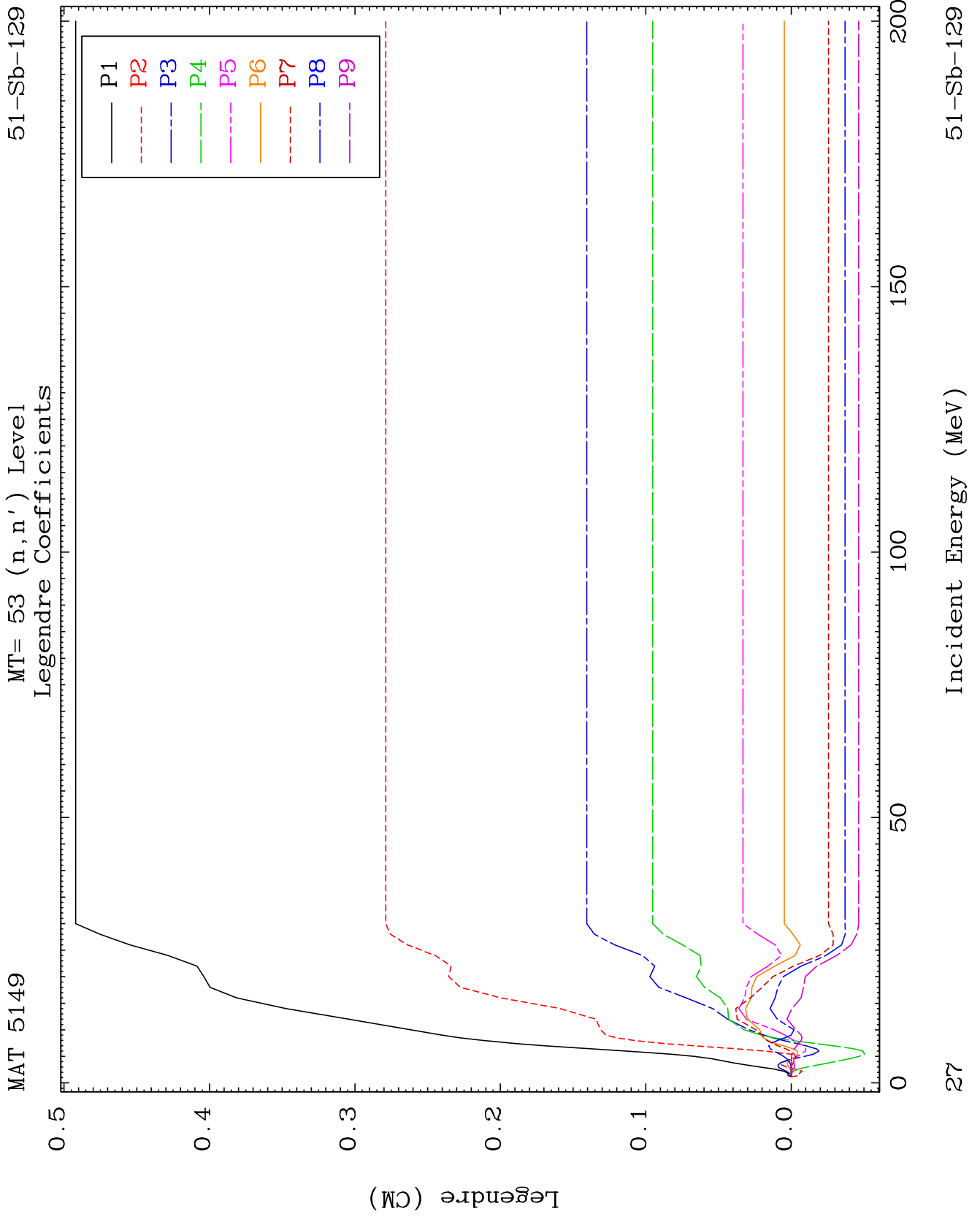
51-Sb-129



26

Incident Energy (MeV)

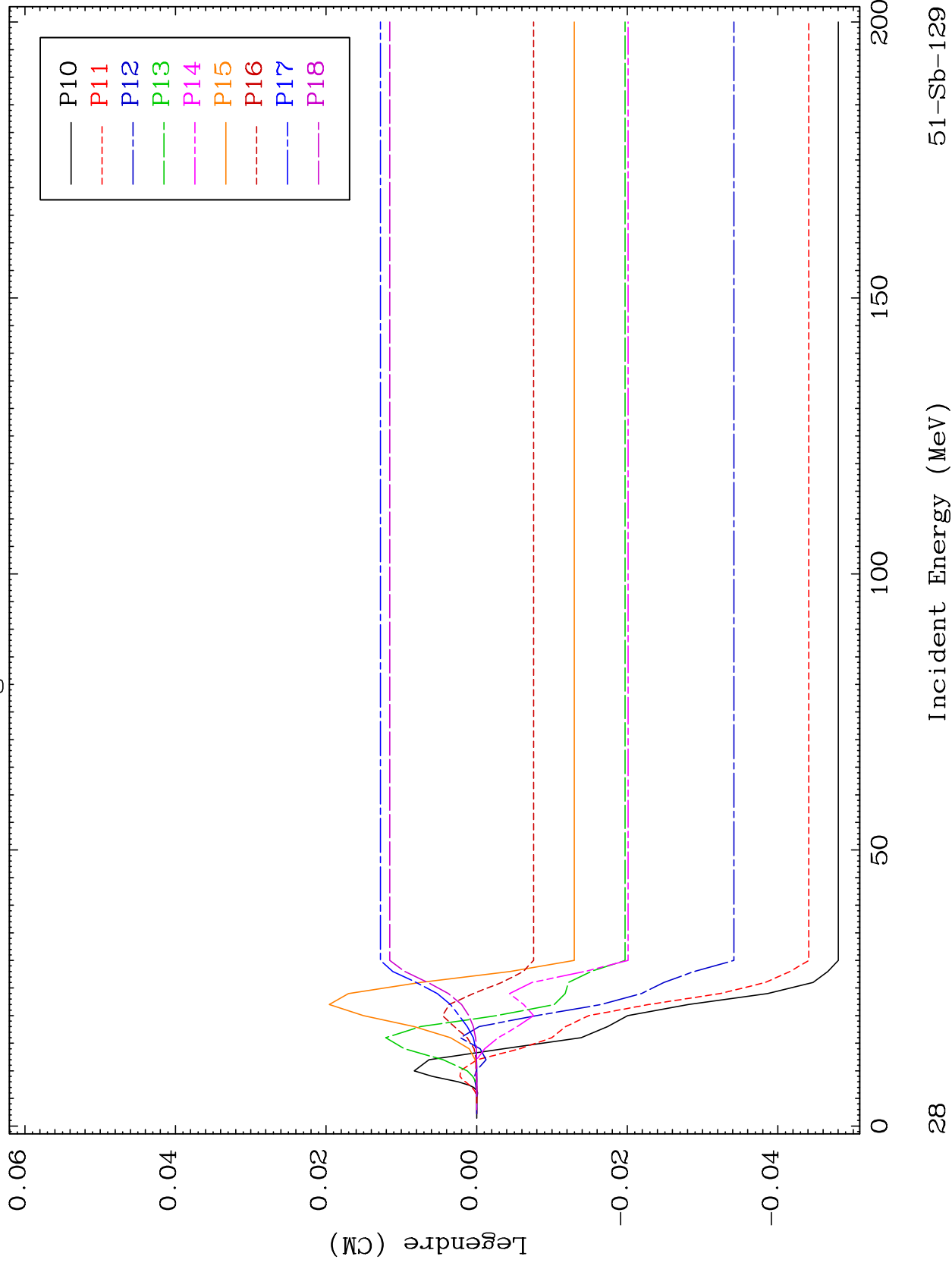
51-Sb-129



MAT 5149

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

51-Sb-129



51-Sb-129

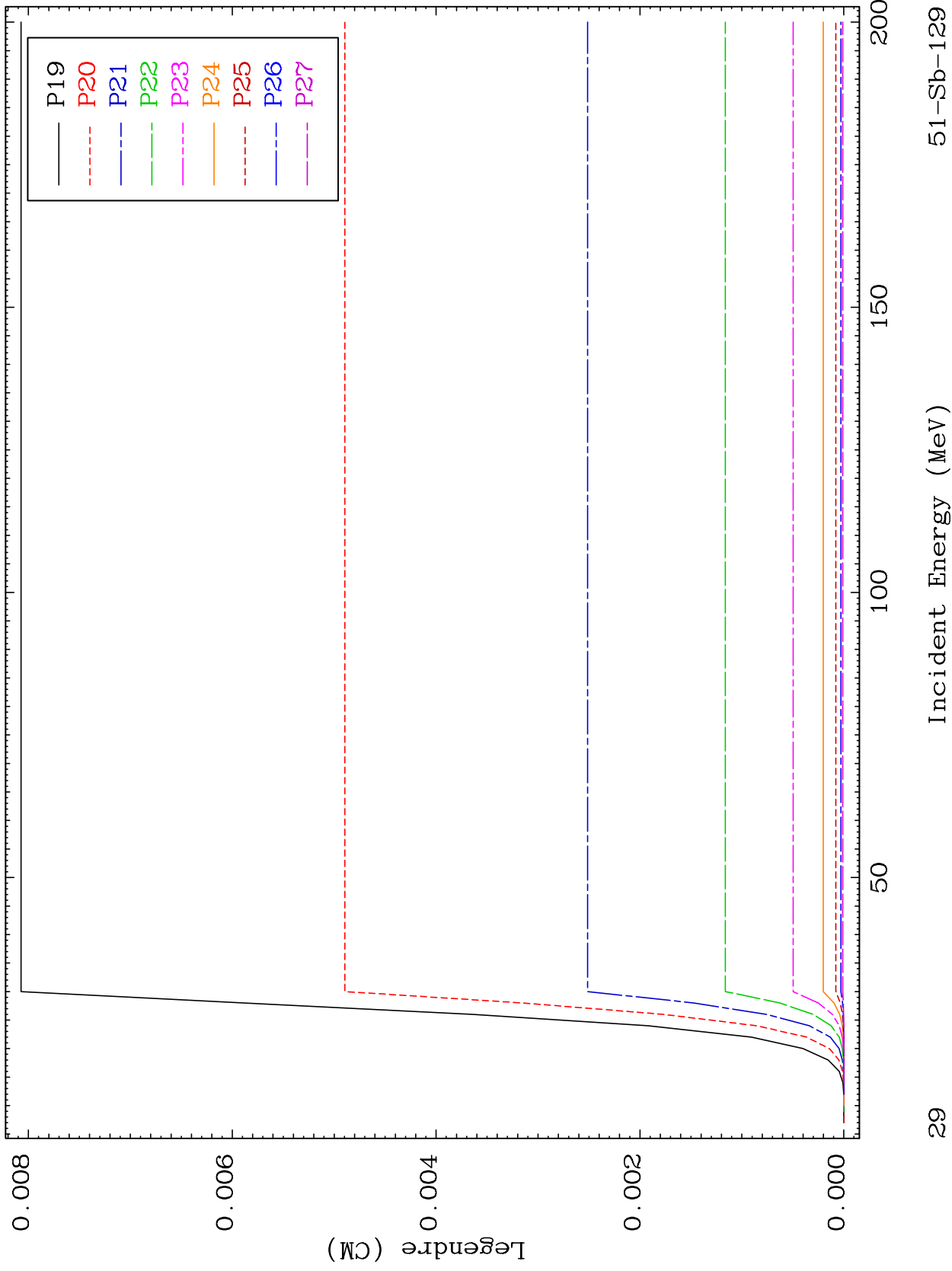
Incident Energy (MeV)

28

MAT 5149

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

51-Sb-129



29

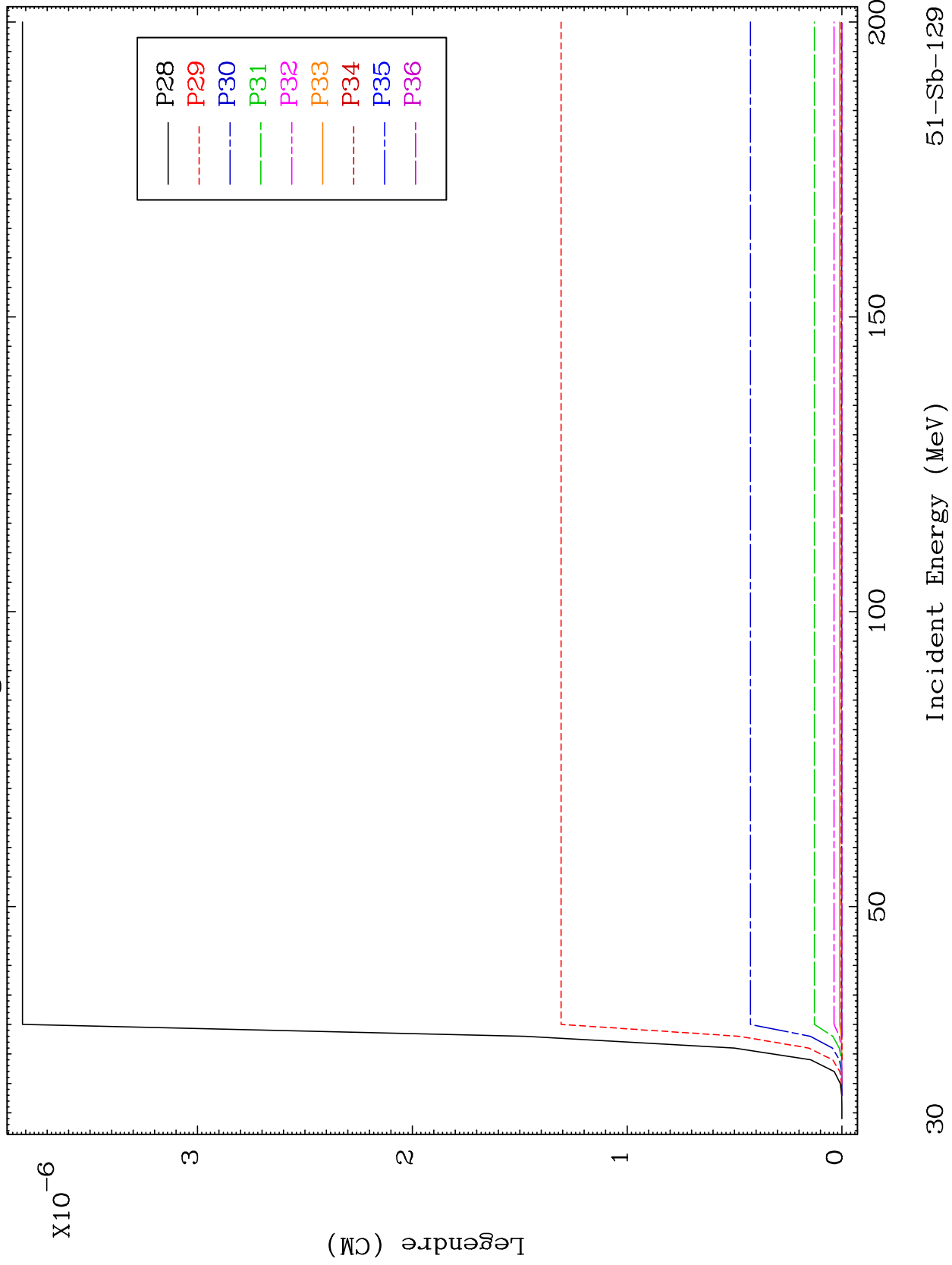
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129

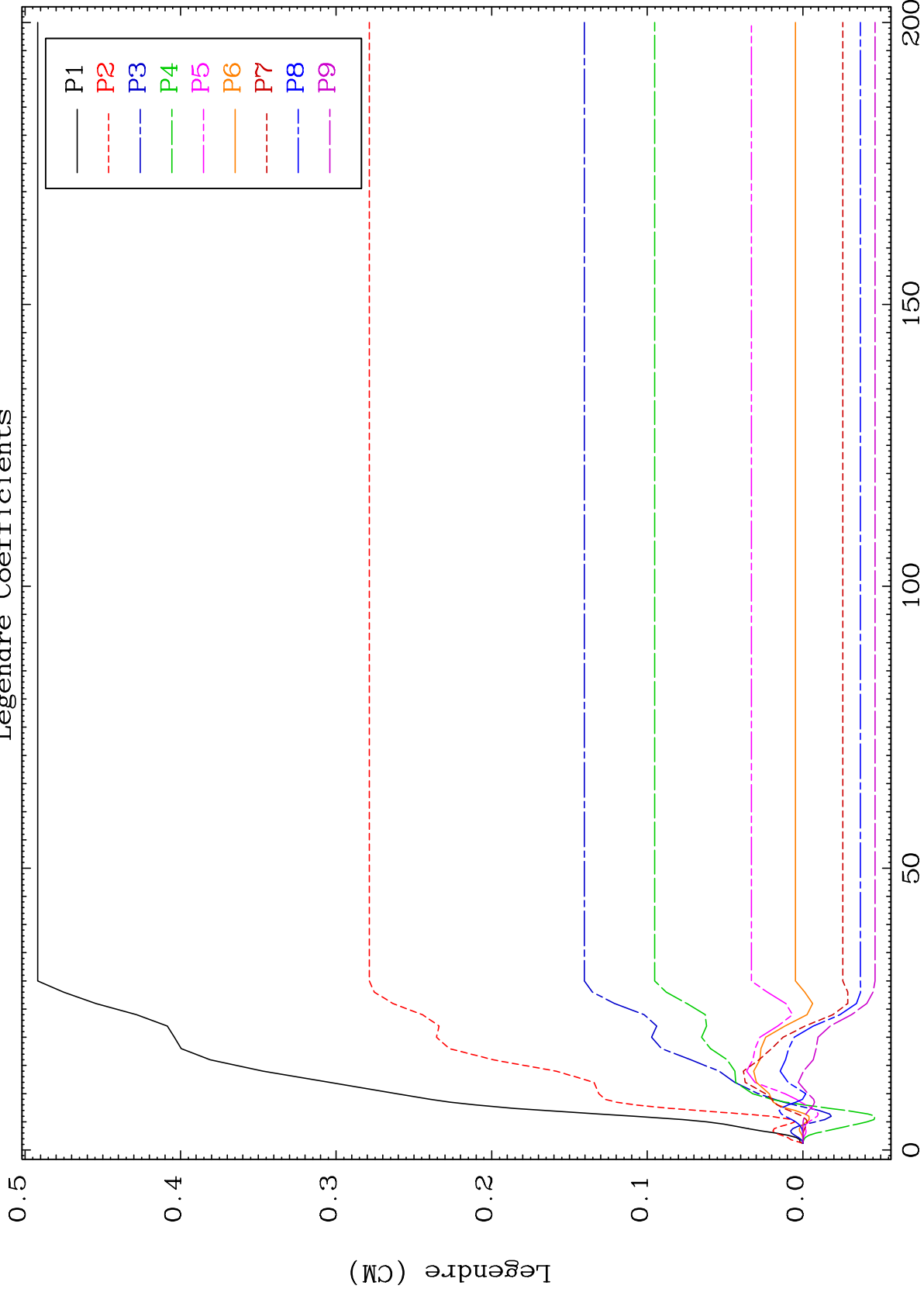


MAT 5149

MT= 54 (n,n') Level

51-Sb-129

Legendre Coefficients



31

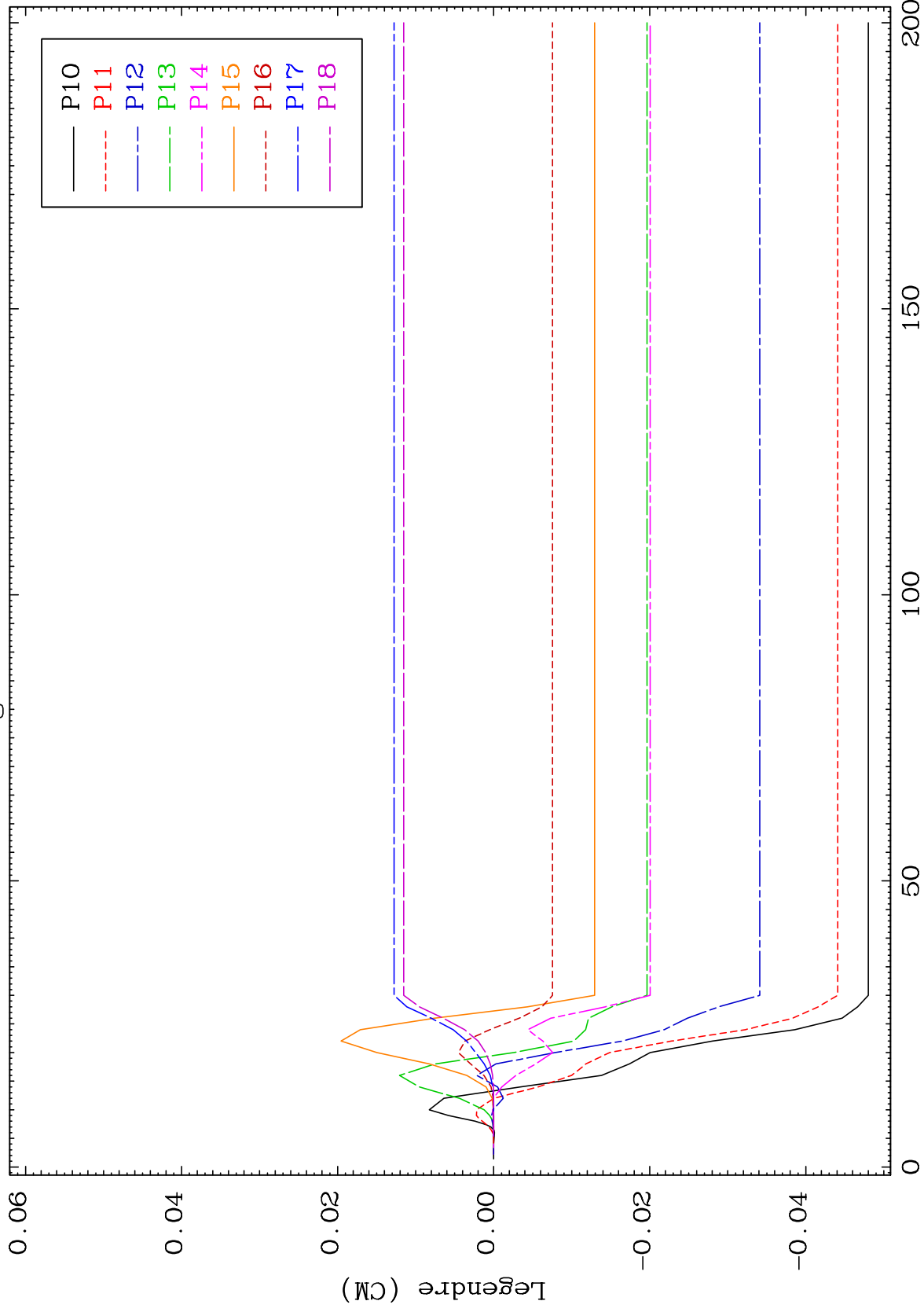
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



32

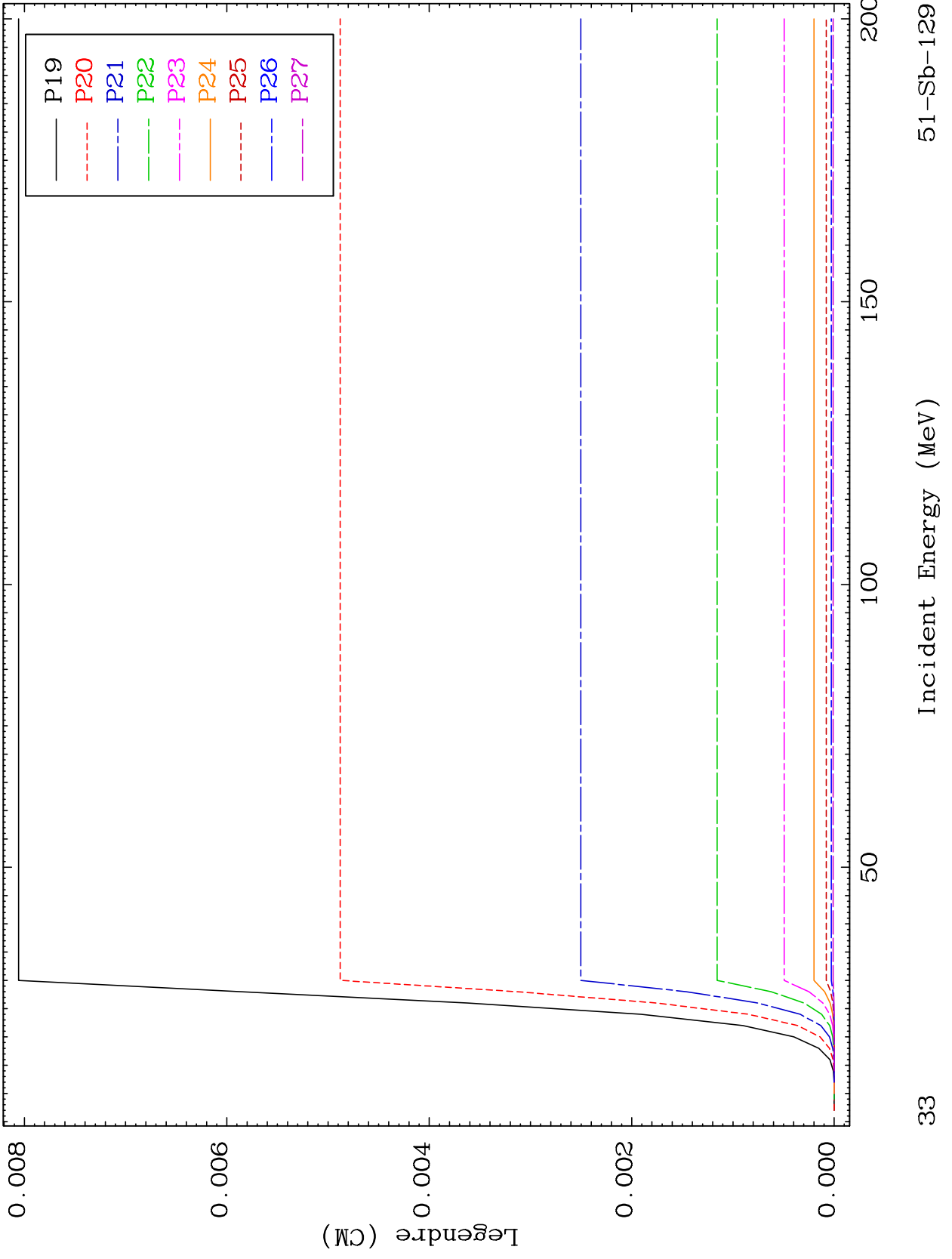
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



33

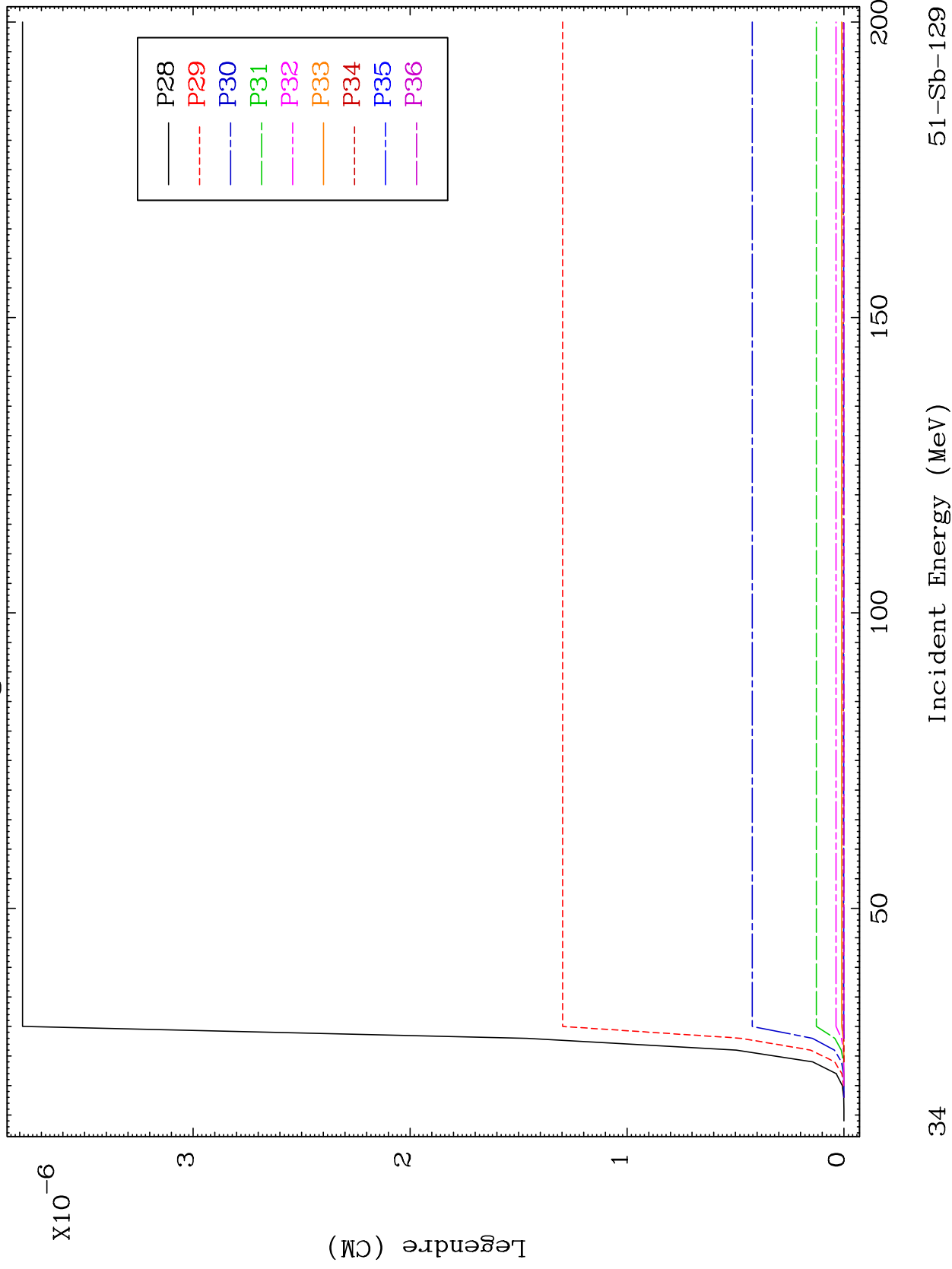
Incident Energy (MeV)

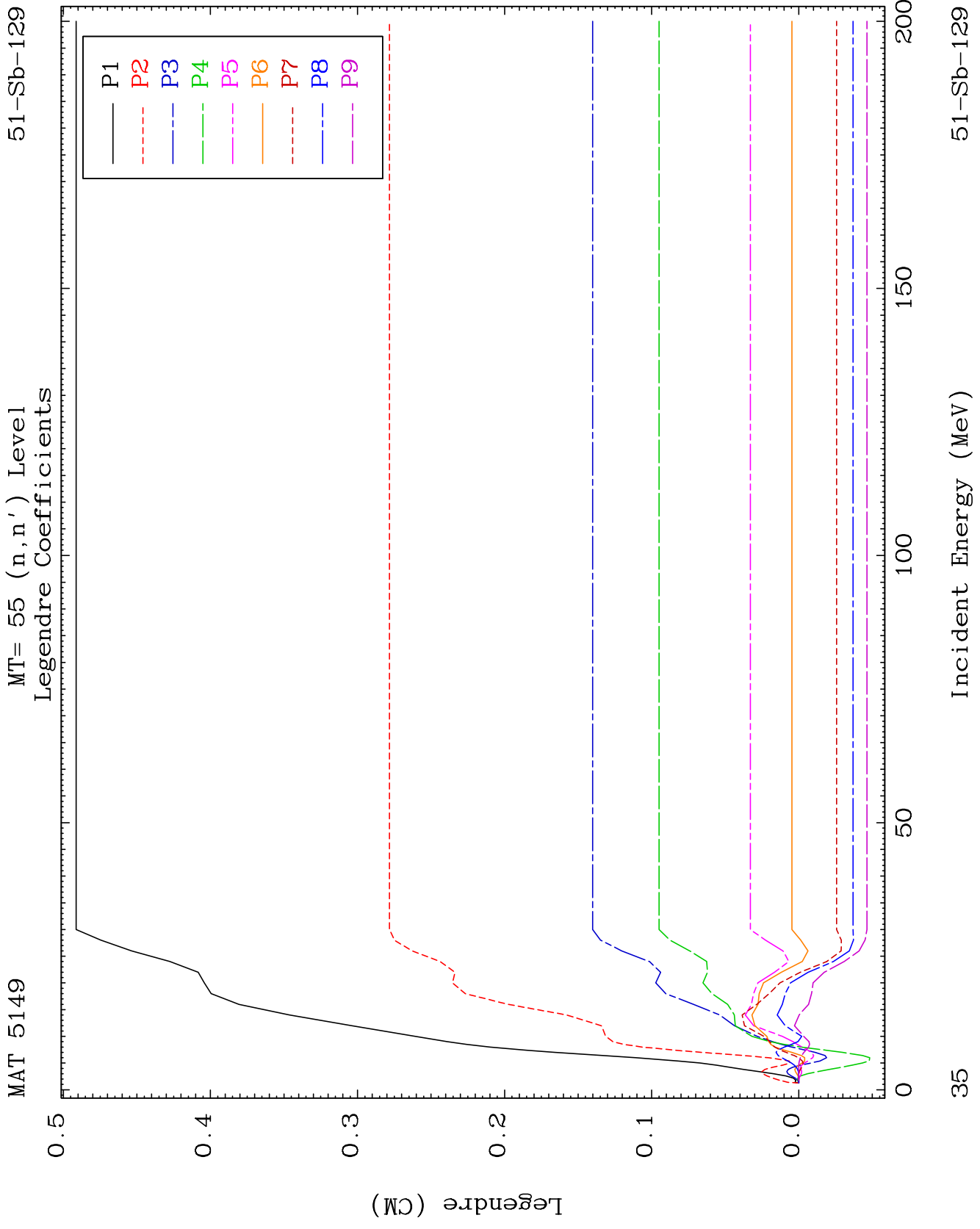
51-Sb-129

MAT 5149

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

51-Sb-129

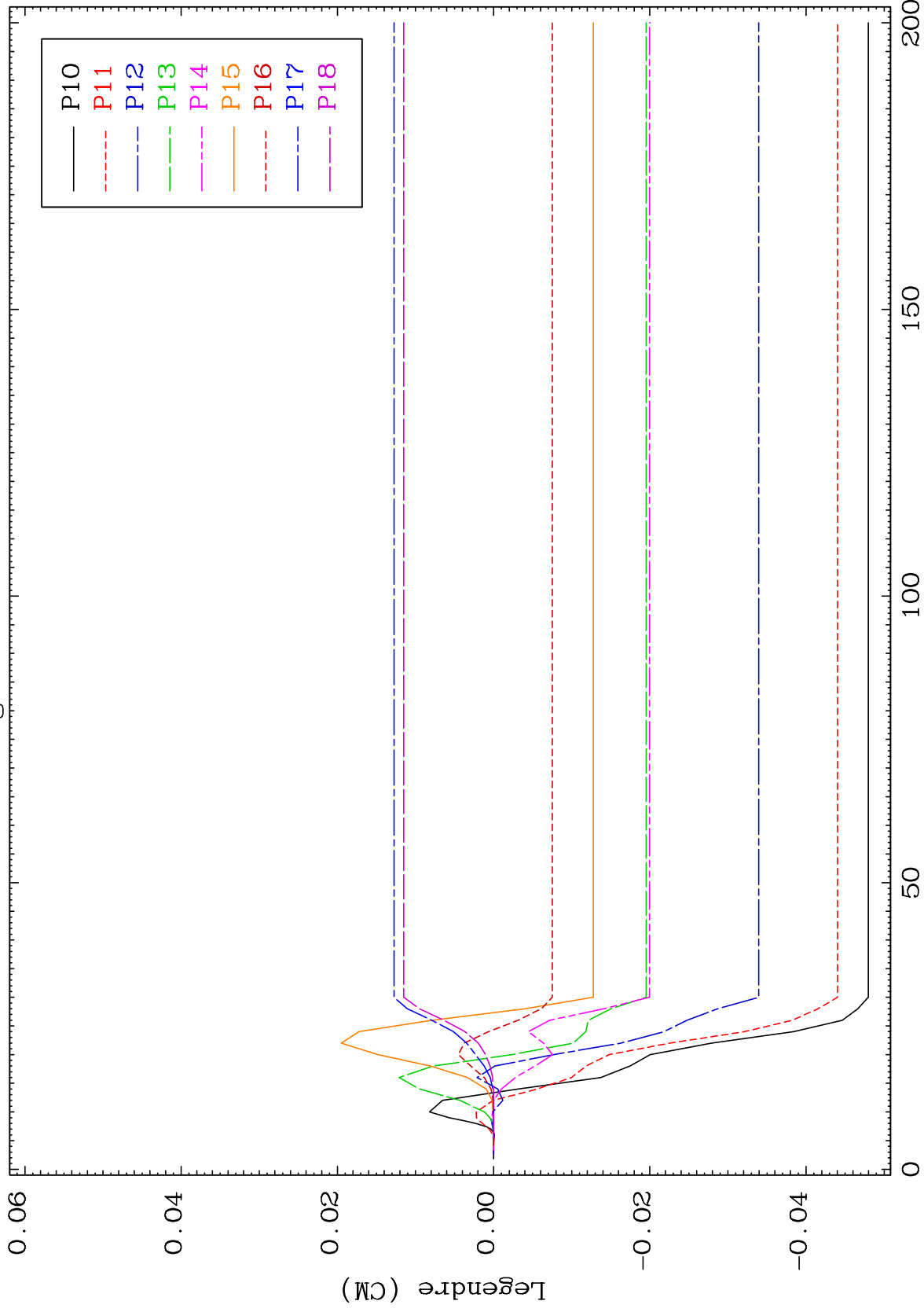




MAT 5149

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

51-Sb-129



36

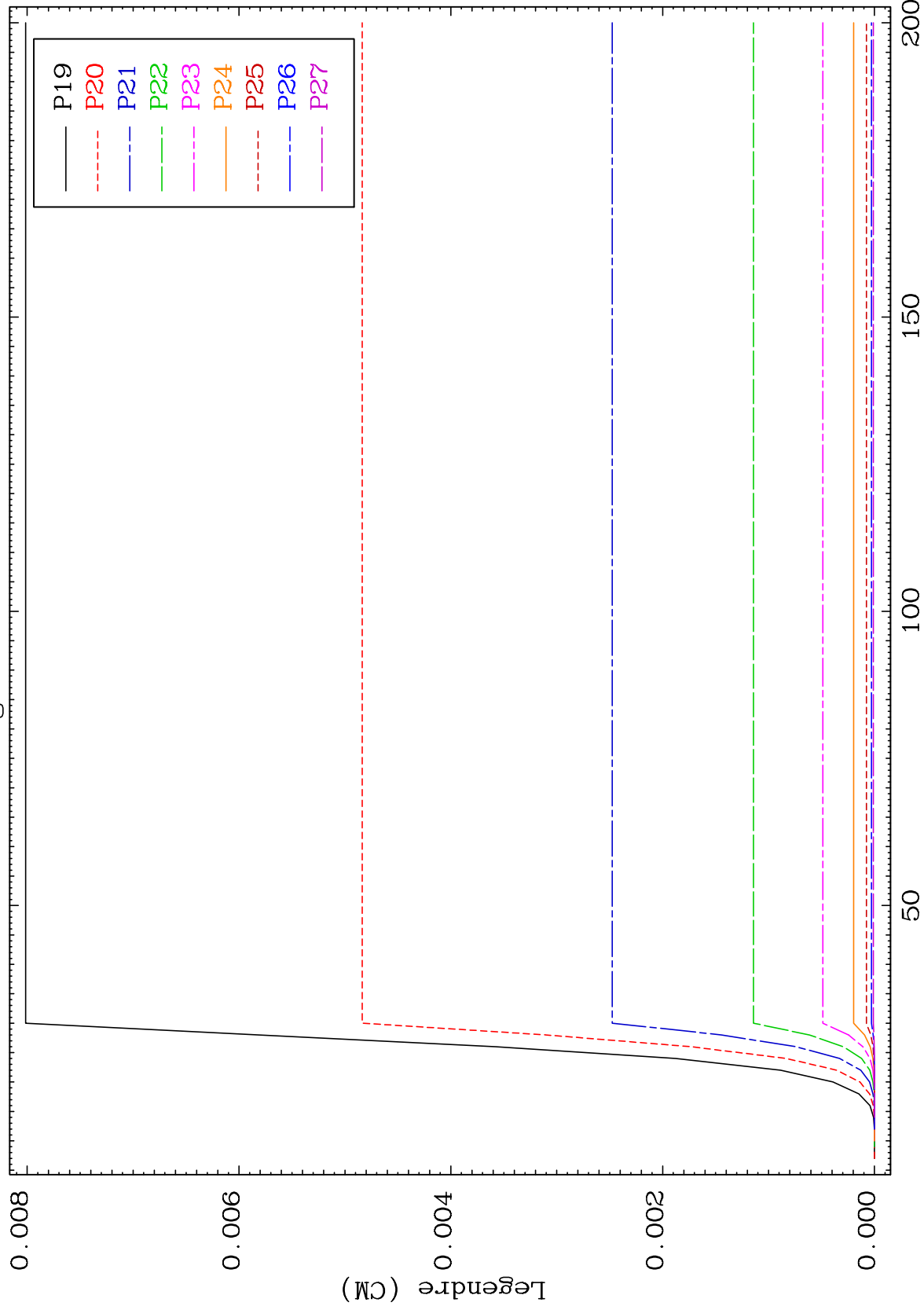
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



37

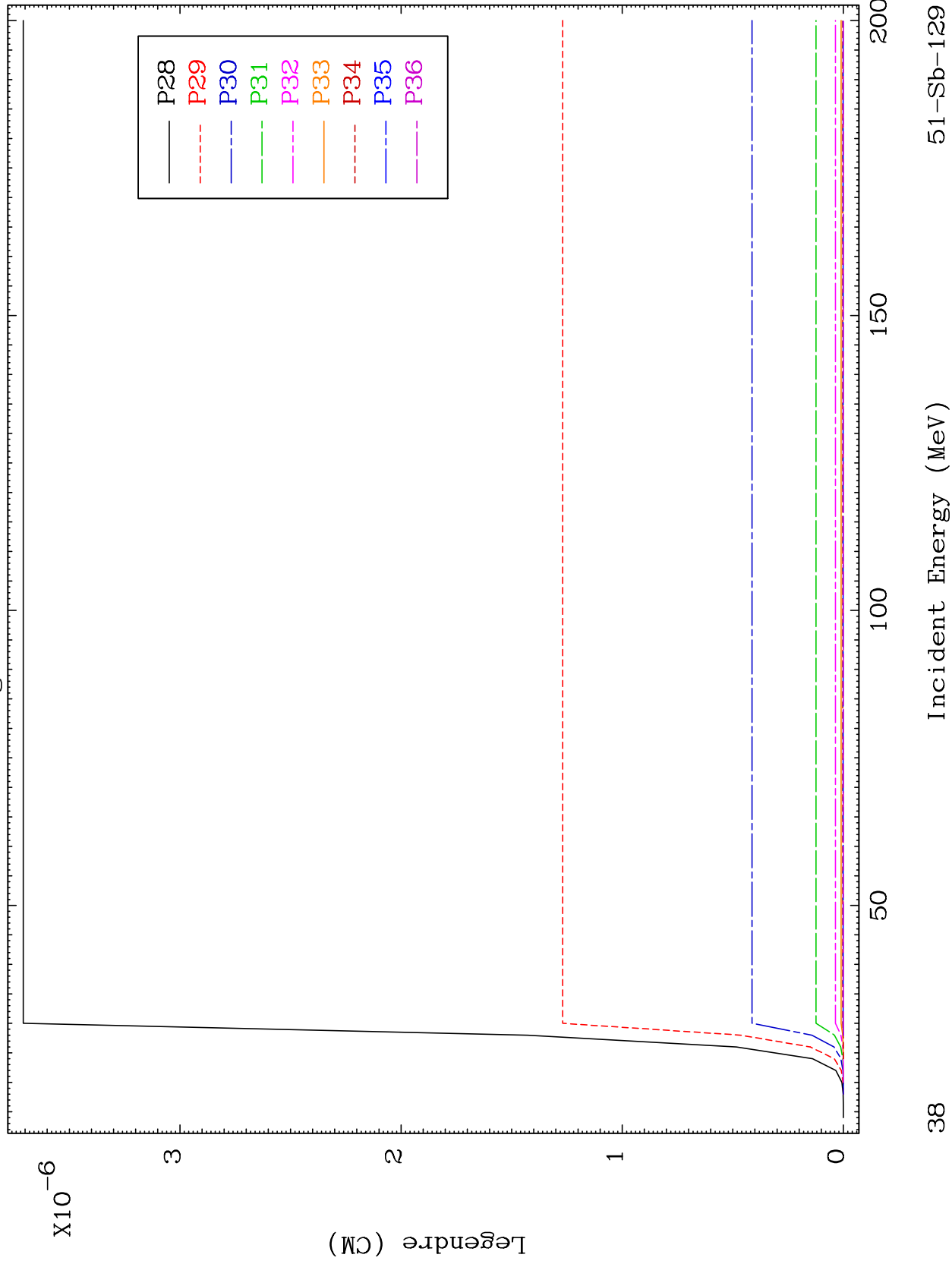
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

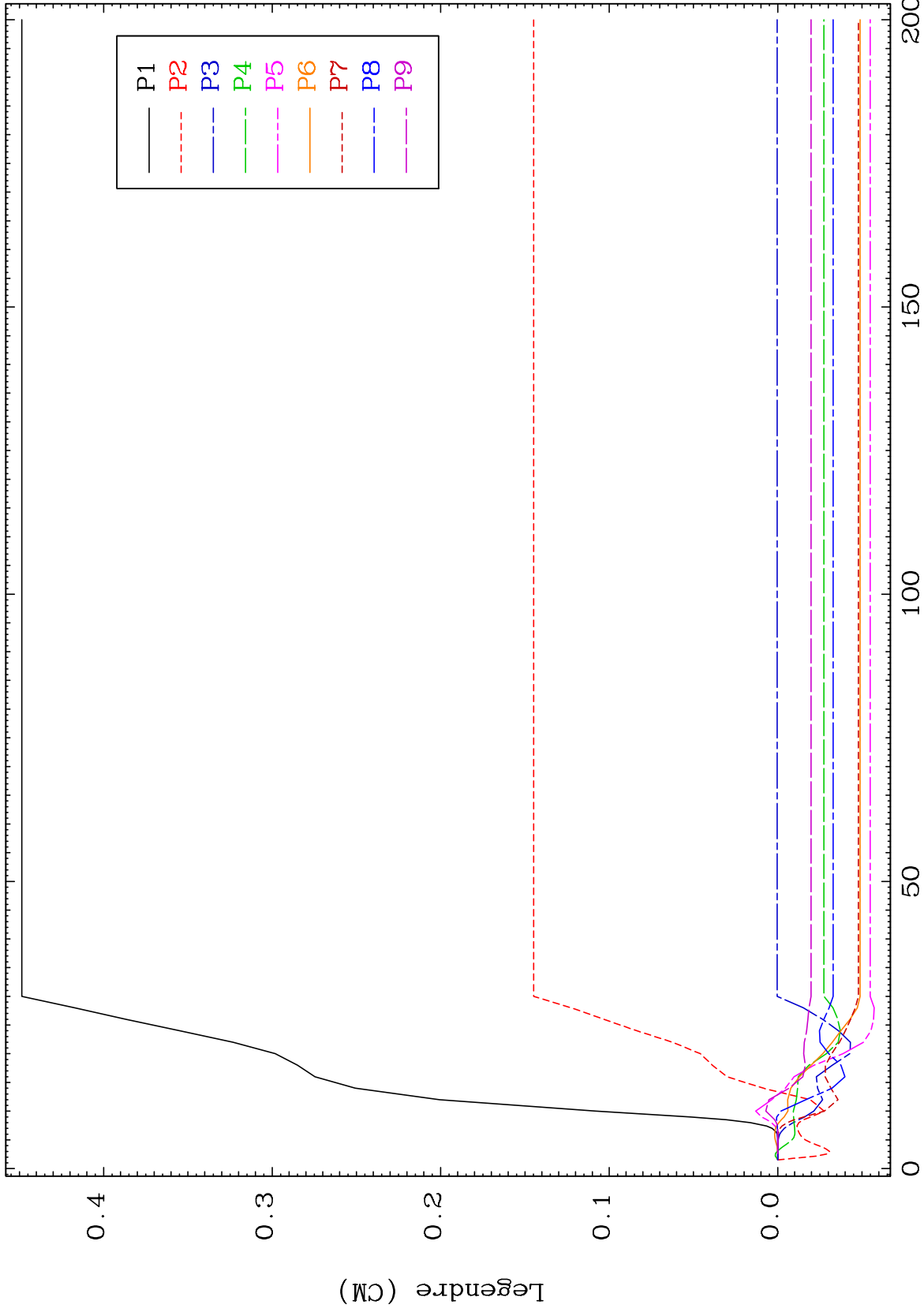
51-Sb-129



MAT 5149

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

51-Sb-129



39

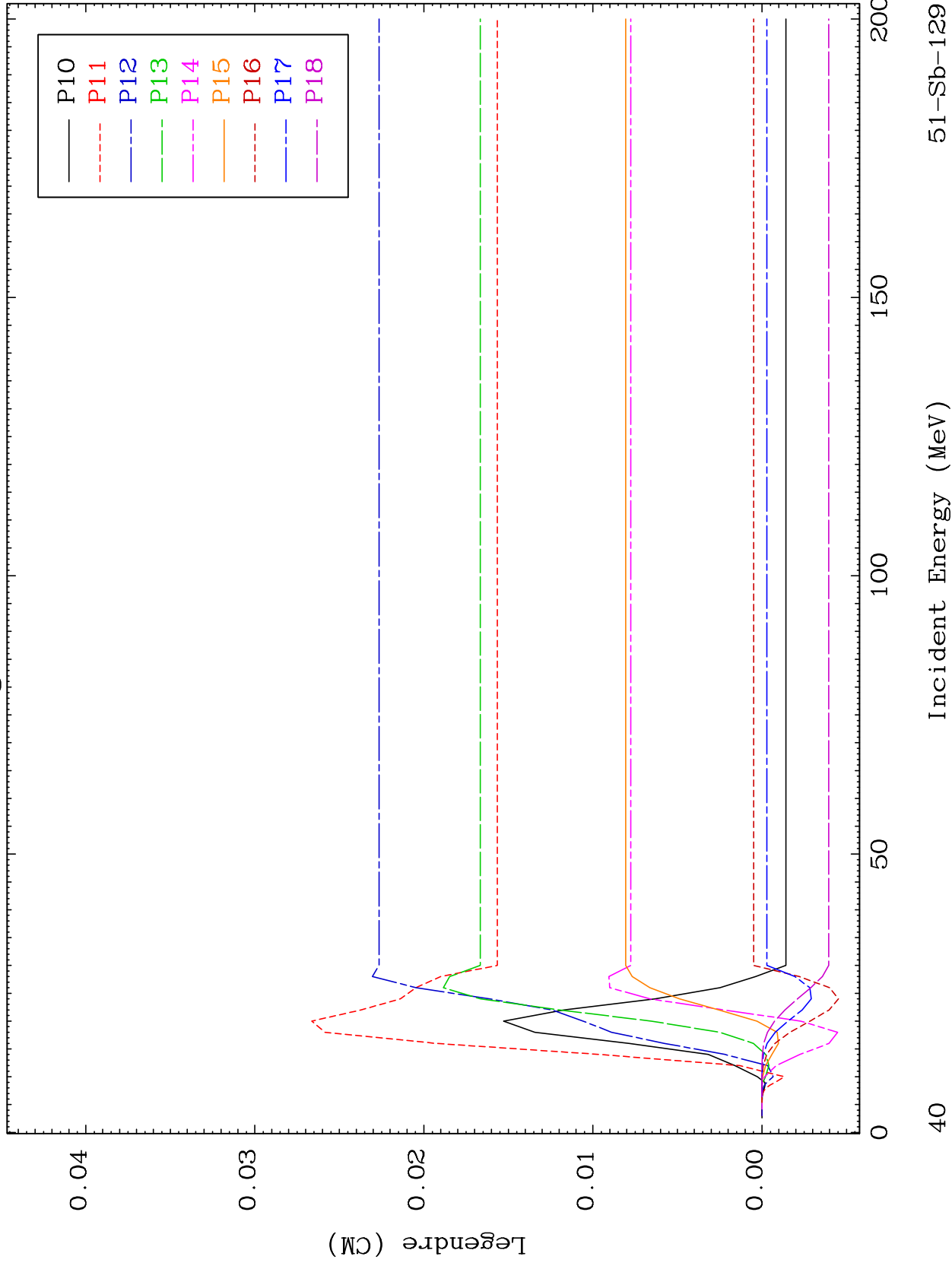
Incident Energy (MeV)

51-Sb-129

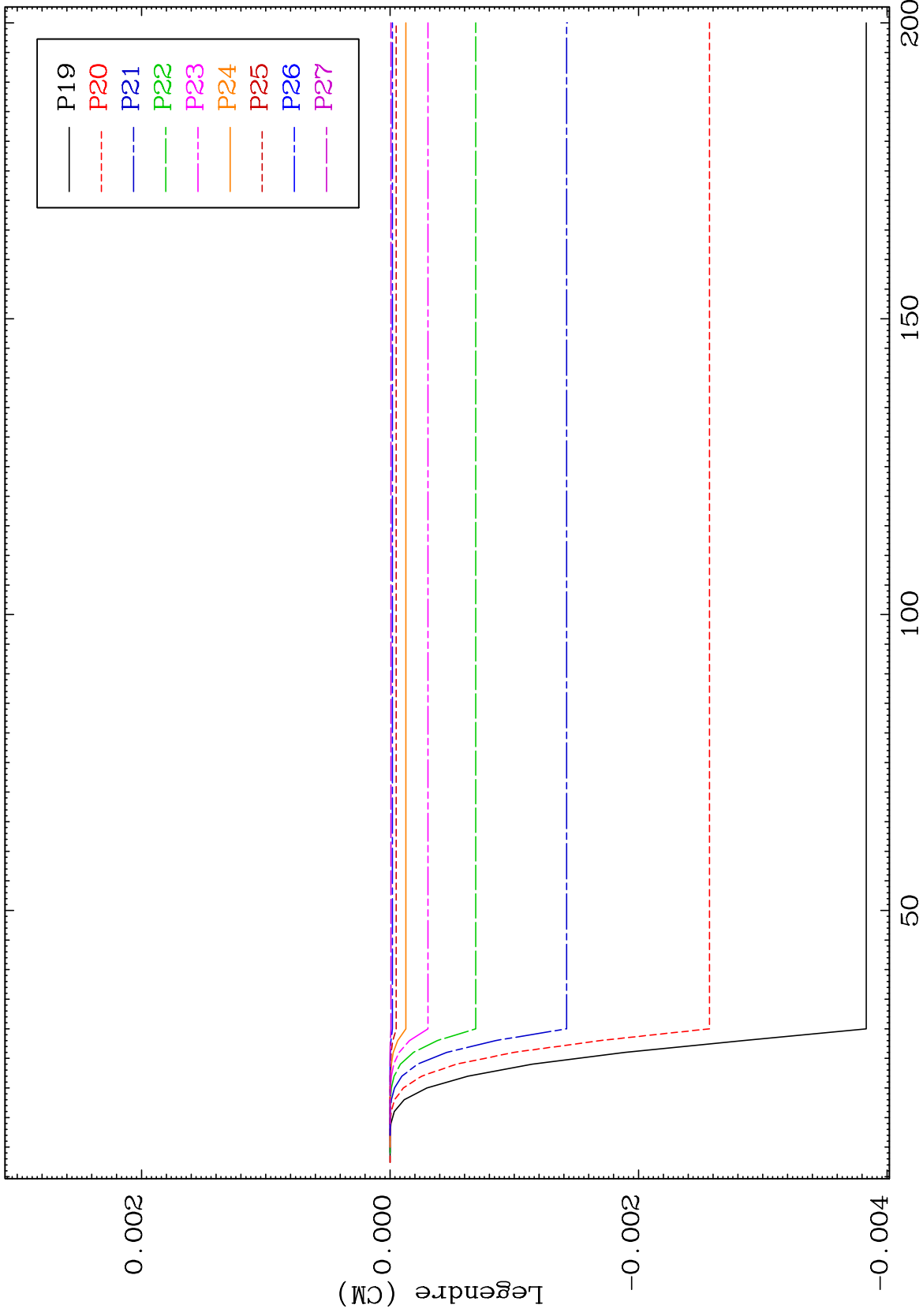
MAT 5149

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

51-Sb-129



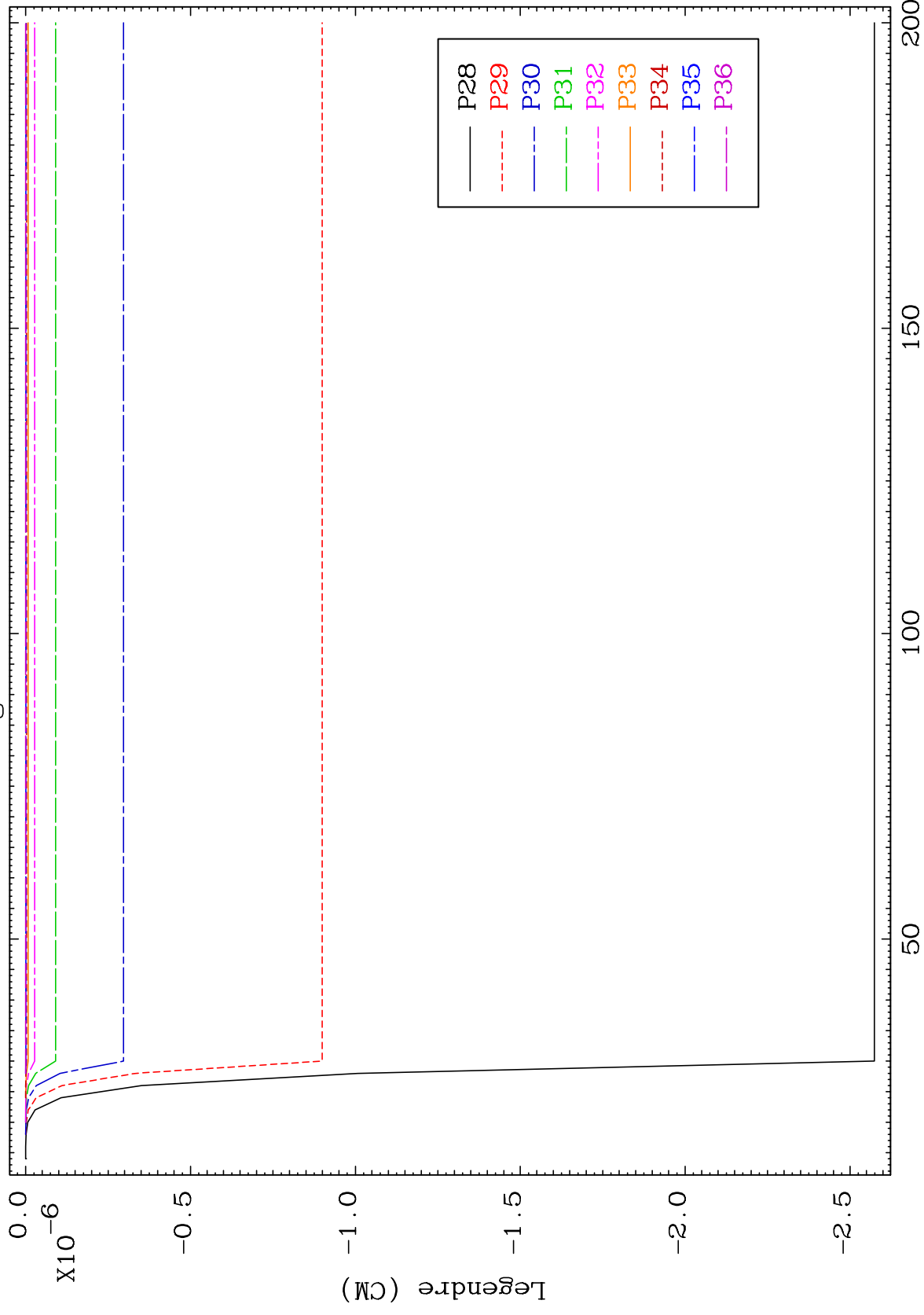
51-Sb-129



MAT 5149

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

51-Sb-129



42

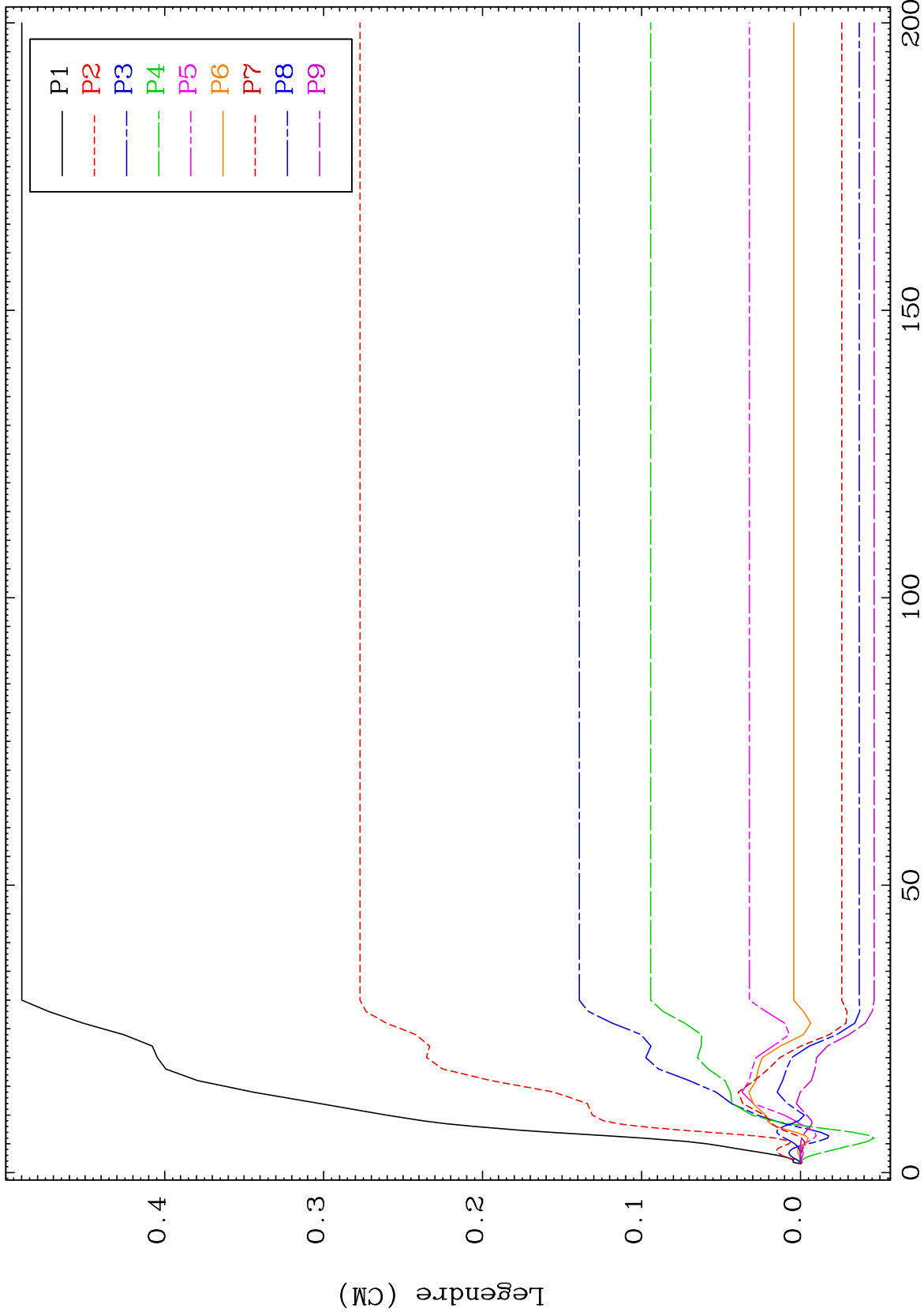
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



43

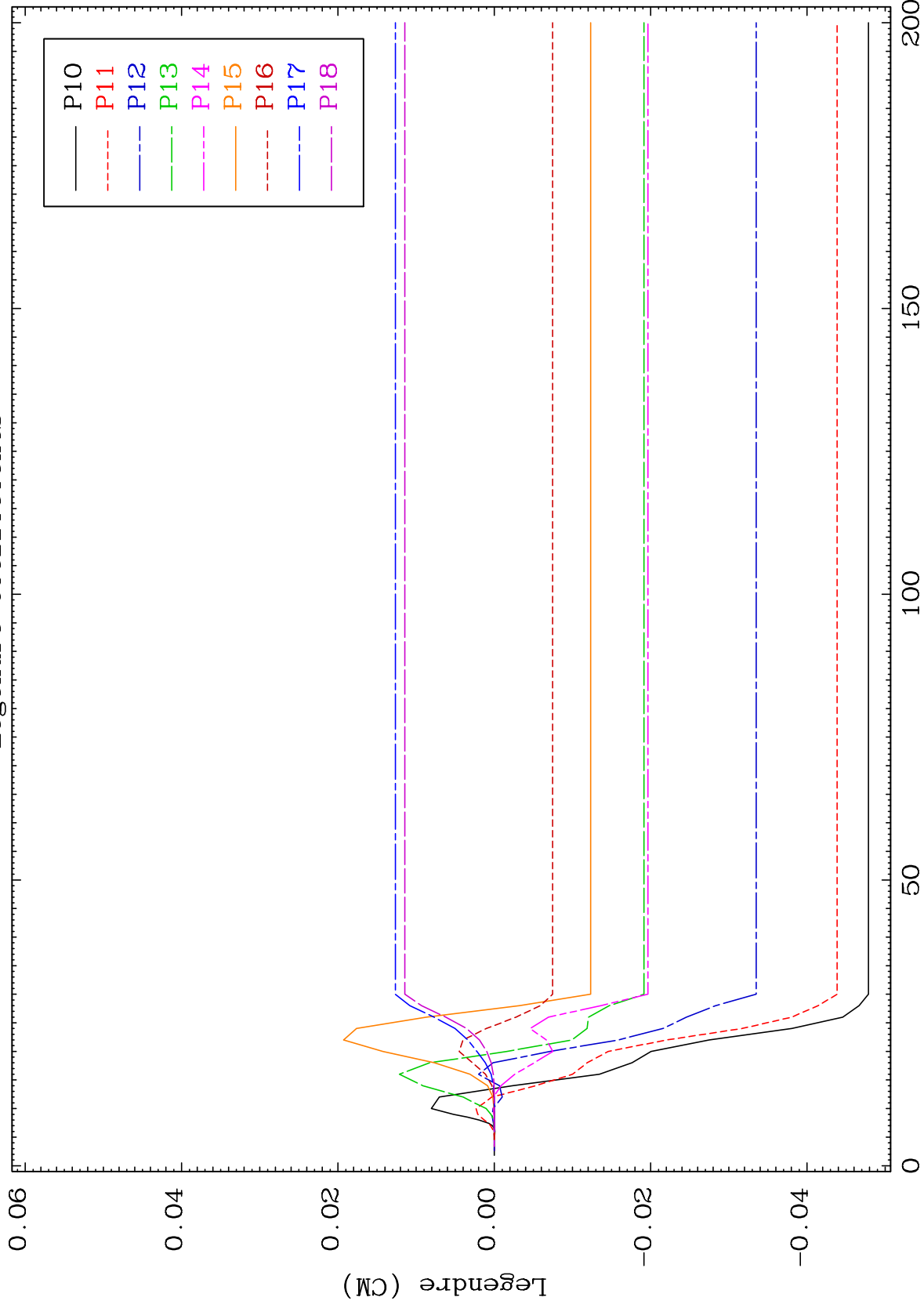
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

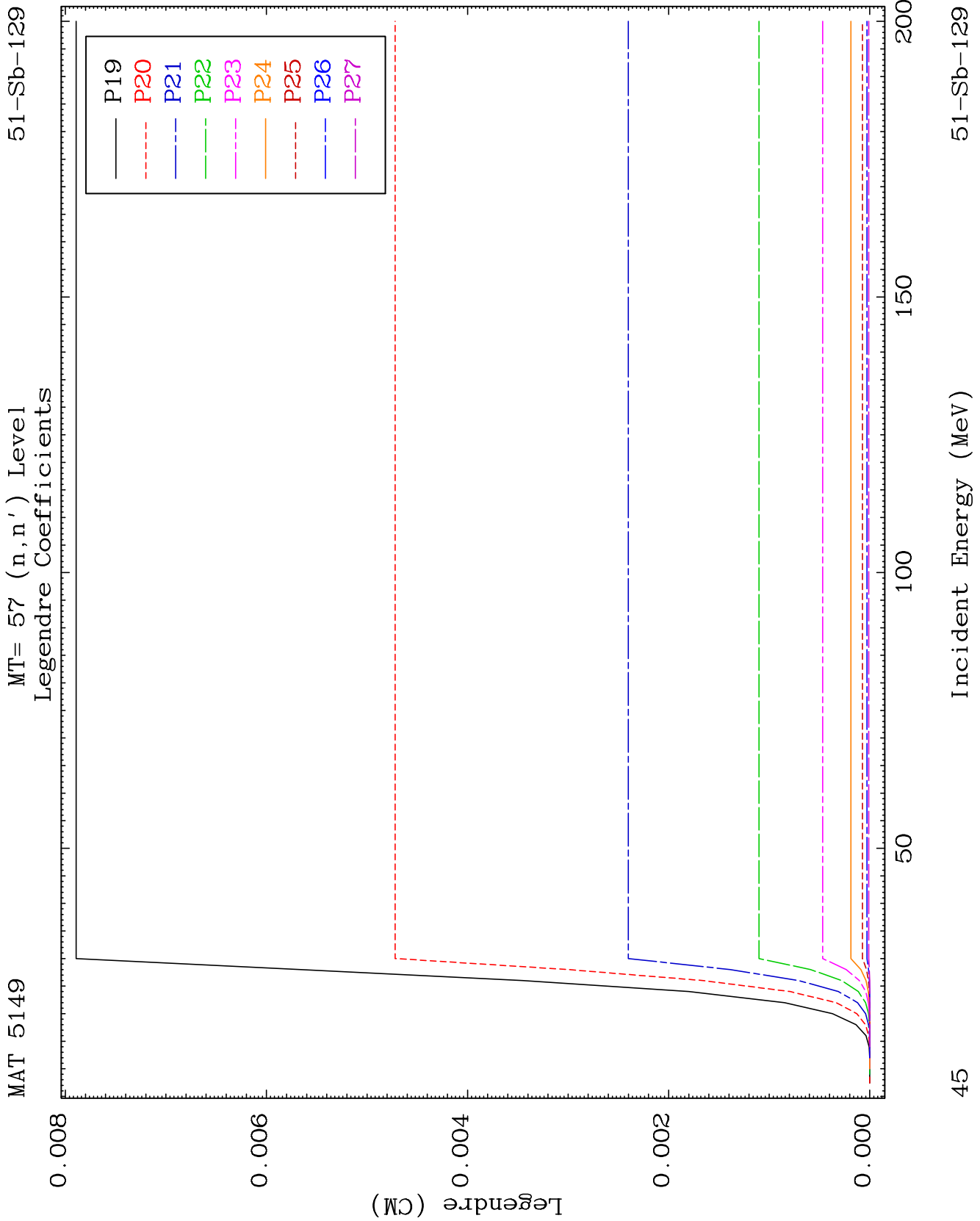
51-Sb-129



44

Incident Energy (MeV)

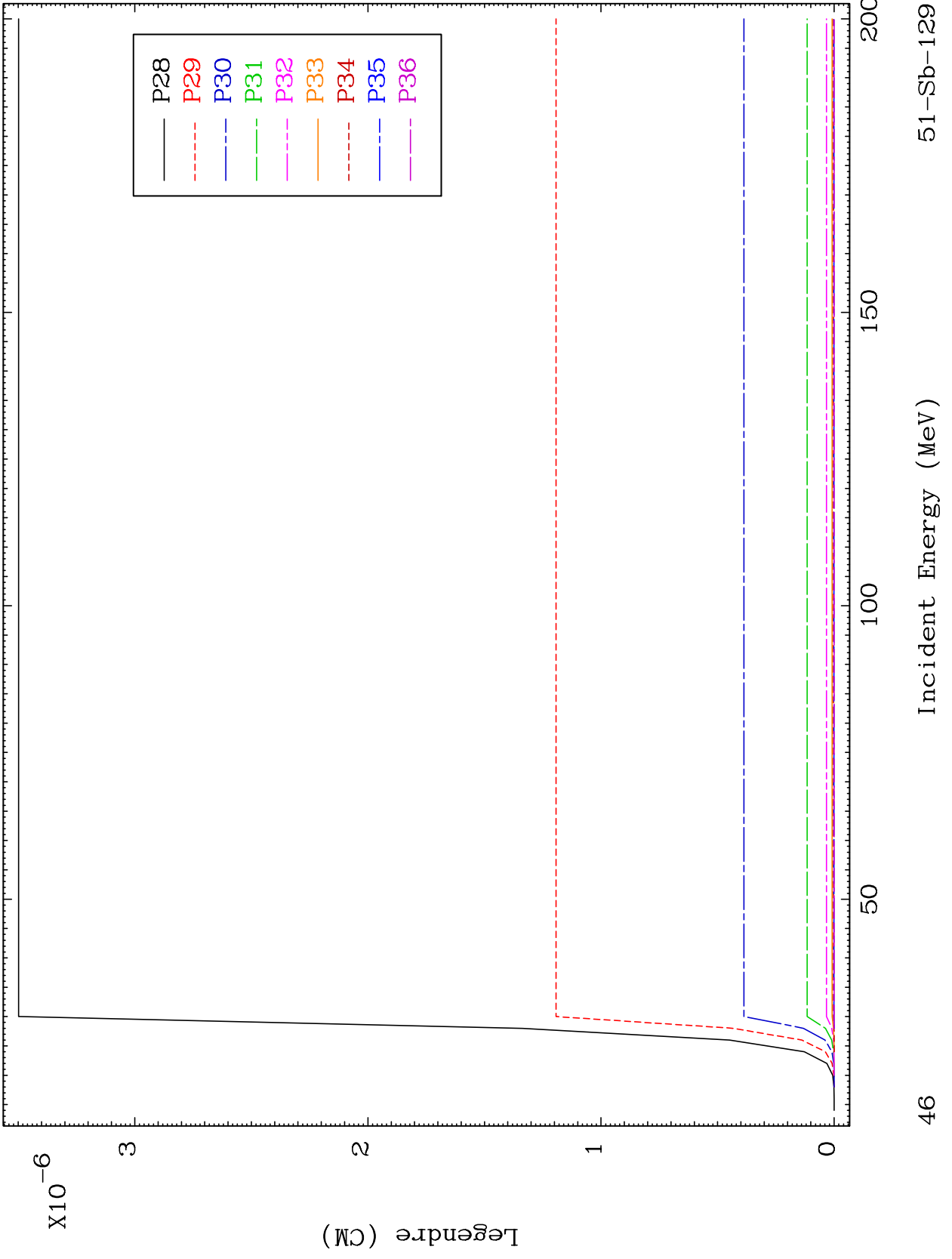
51-Sb-129



MAT 5149

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

51-Sb-129



46

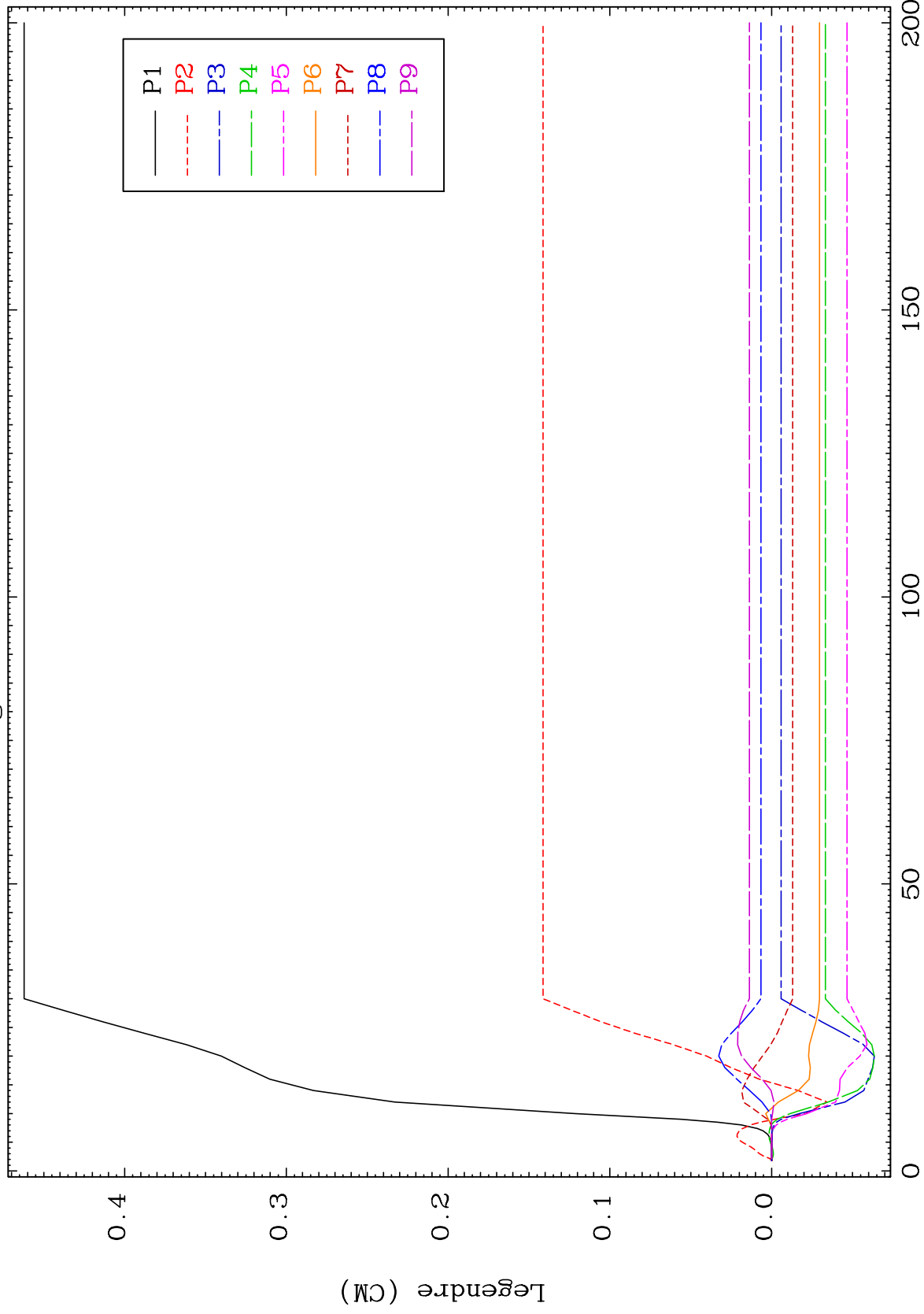
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



47

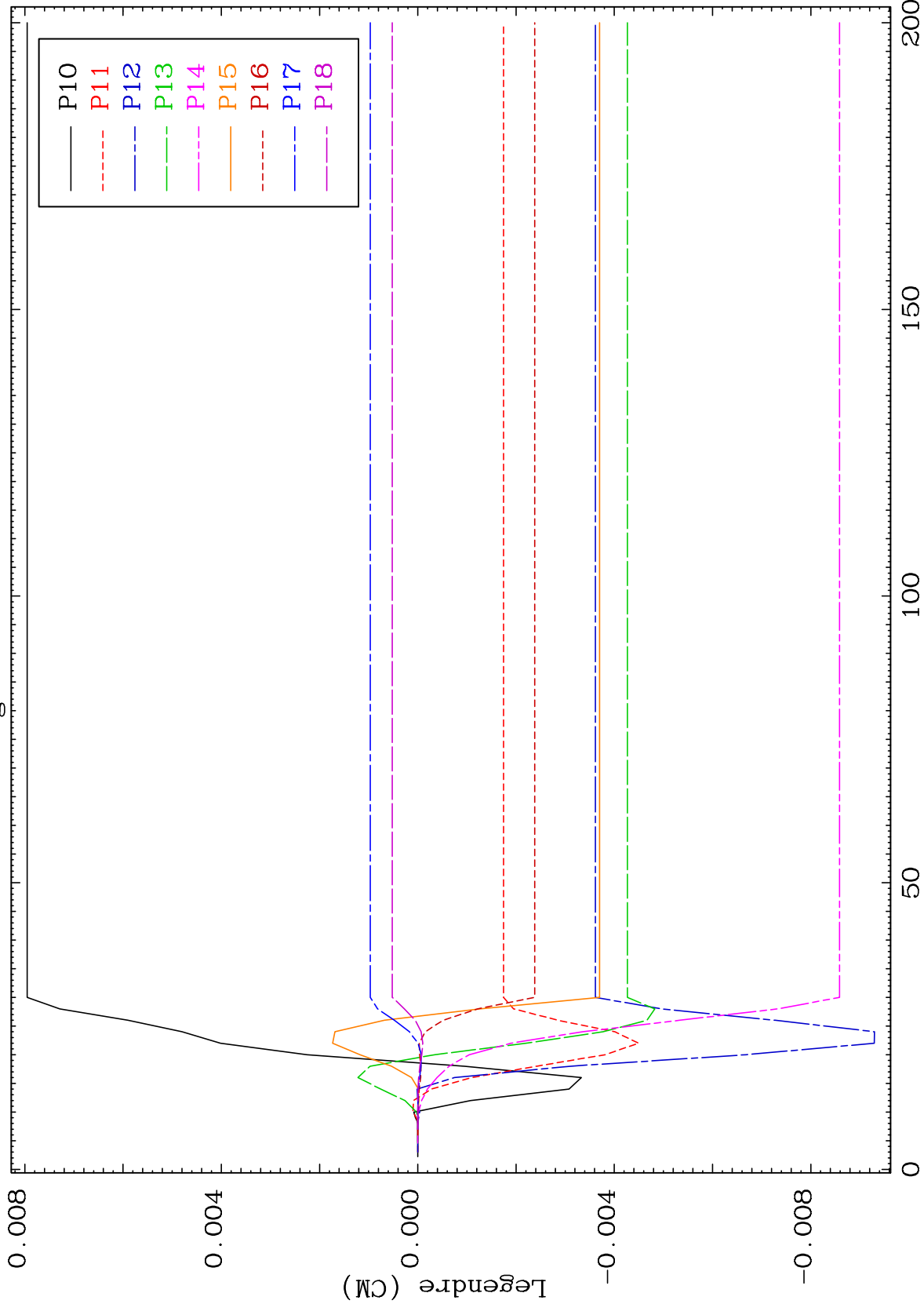
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

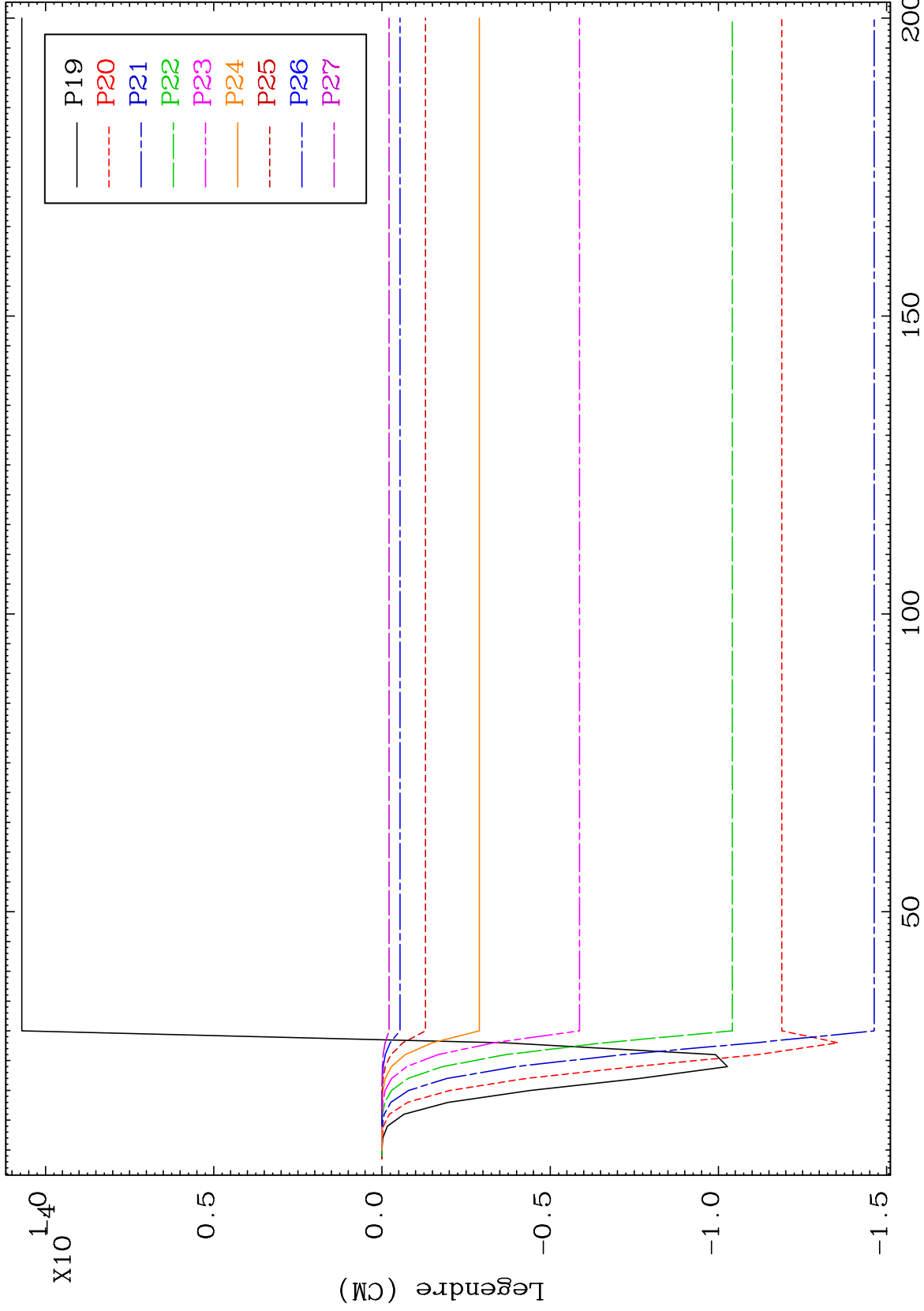
51-Sb-129



48

Incident Energy (MeV)

51-Sb-129

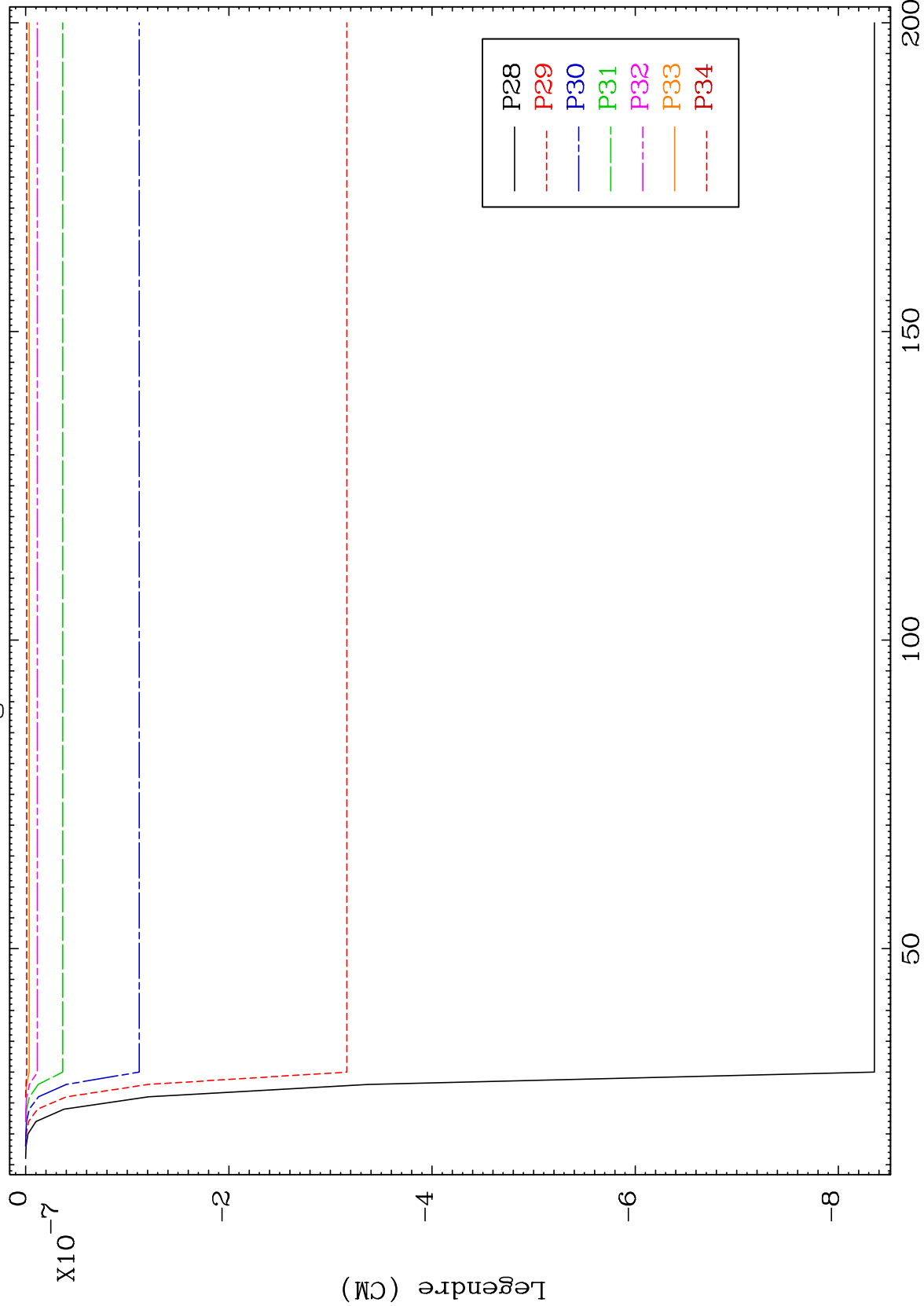


MAT 5149

MT= 58 (n,n') Level

51-Sb-129

Legendre Coefficients



51-Sb-129

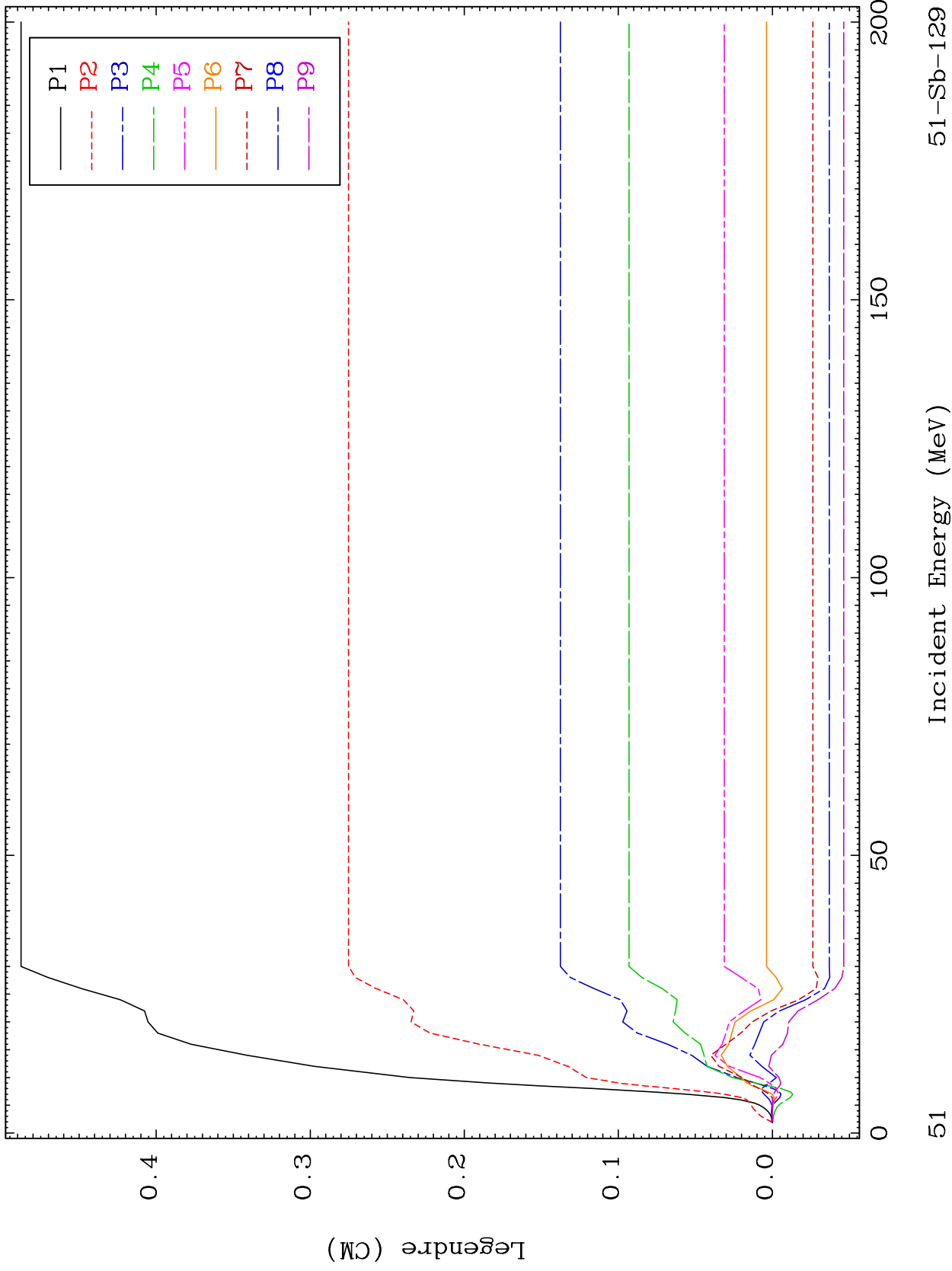
Incident Energy (MeV)

50

MAT 5149

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

51-Sb-129



51-Sb-129

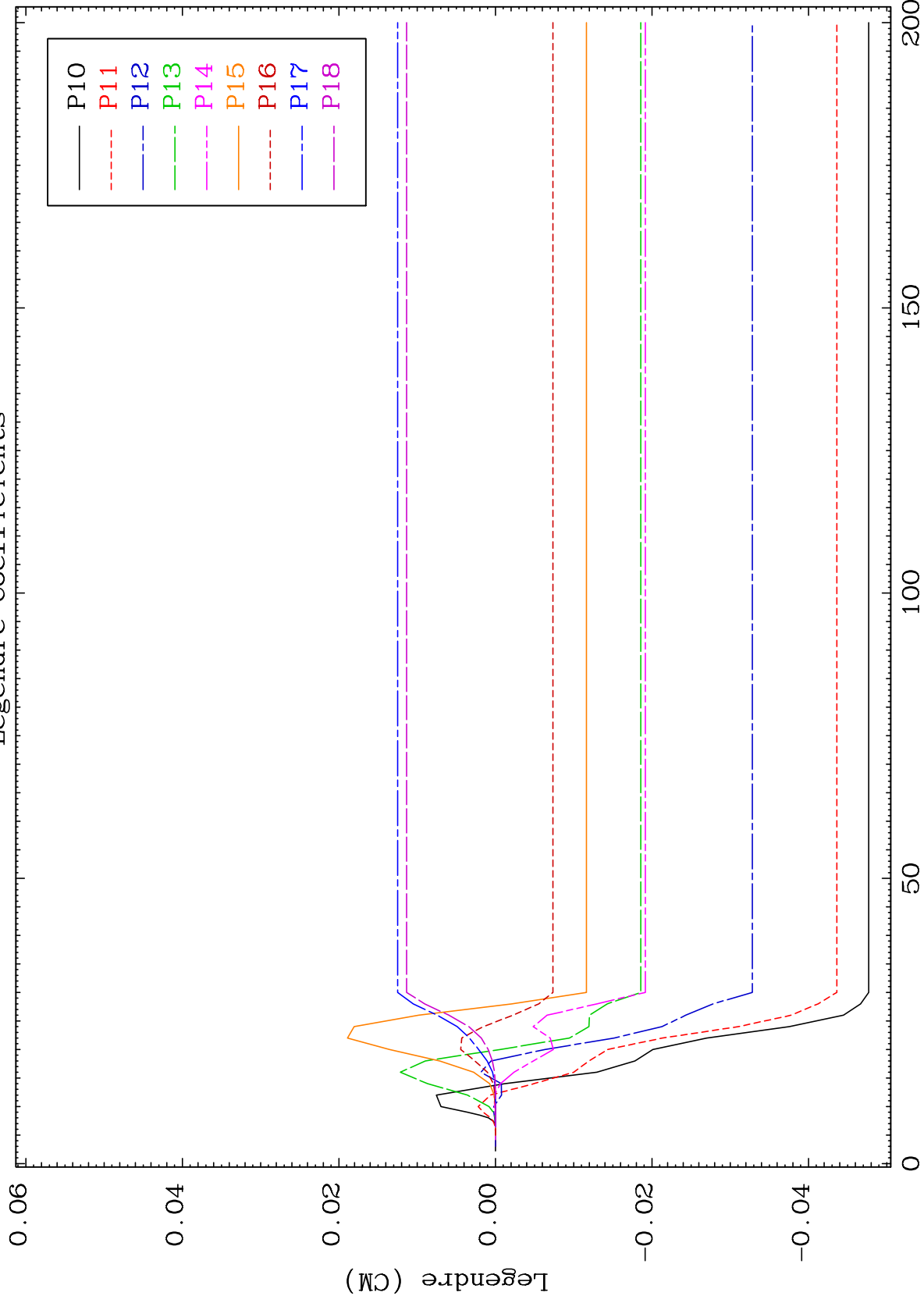
Incident Energy (MeV)

51

MAT 5149

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

51-Sb-129



52

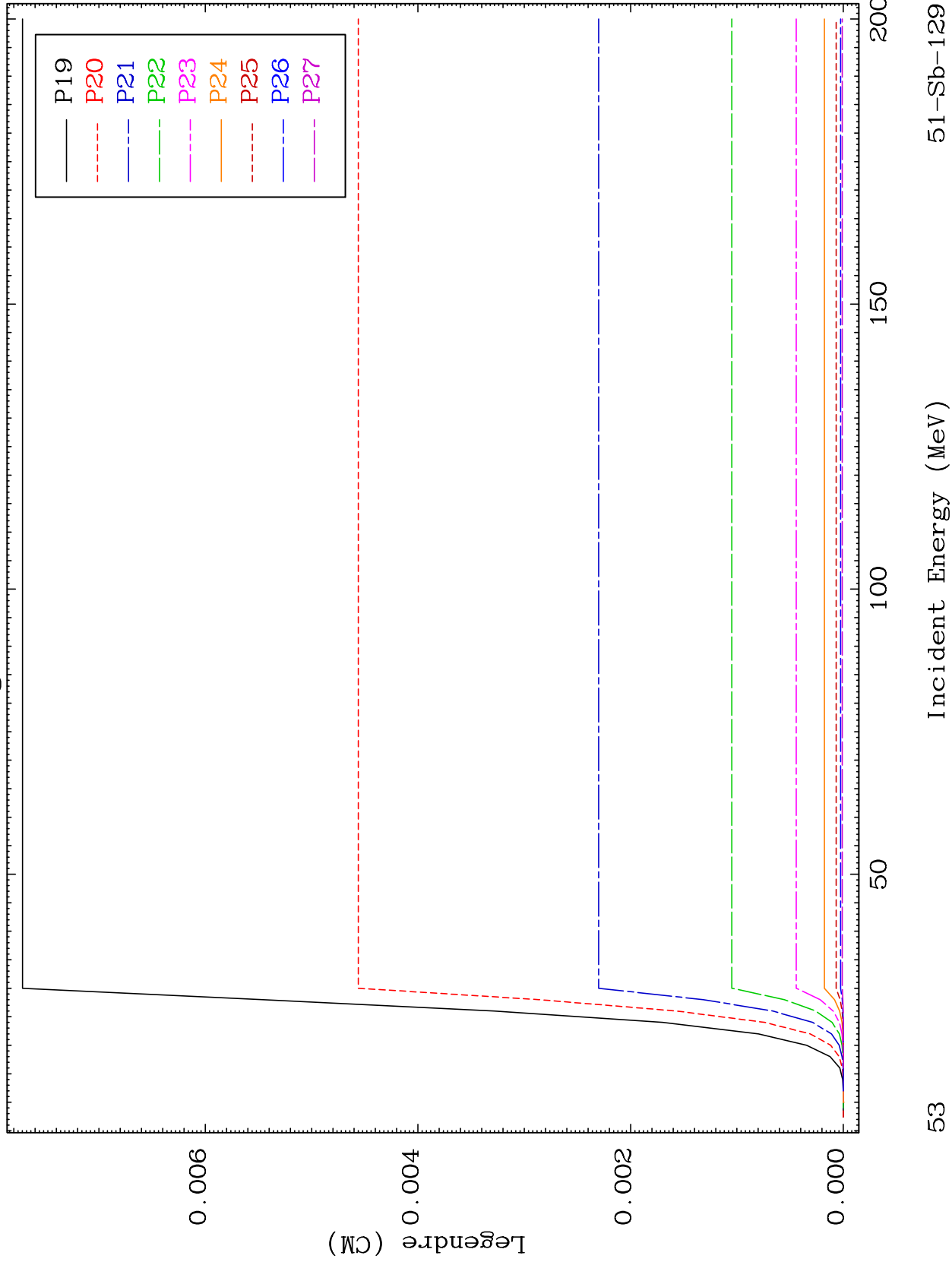
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



53

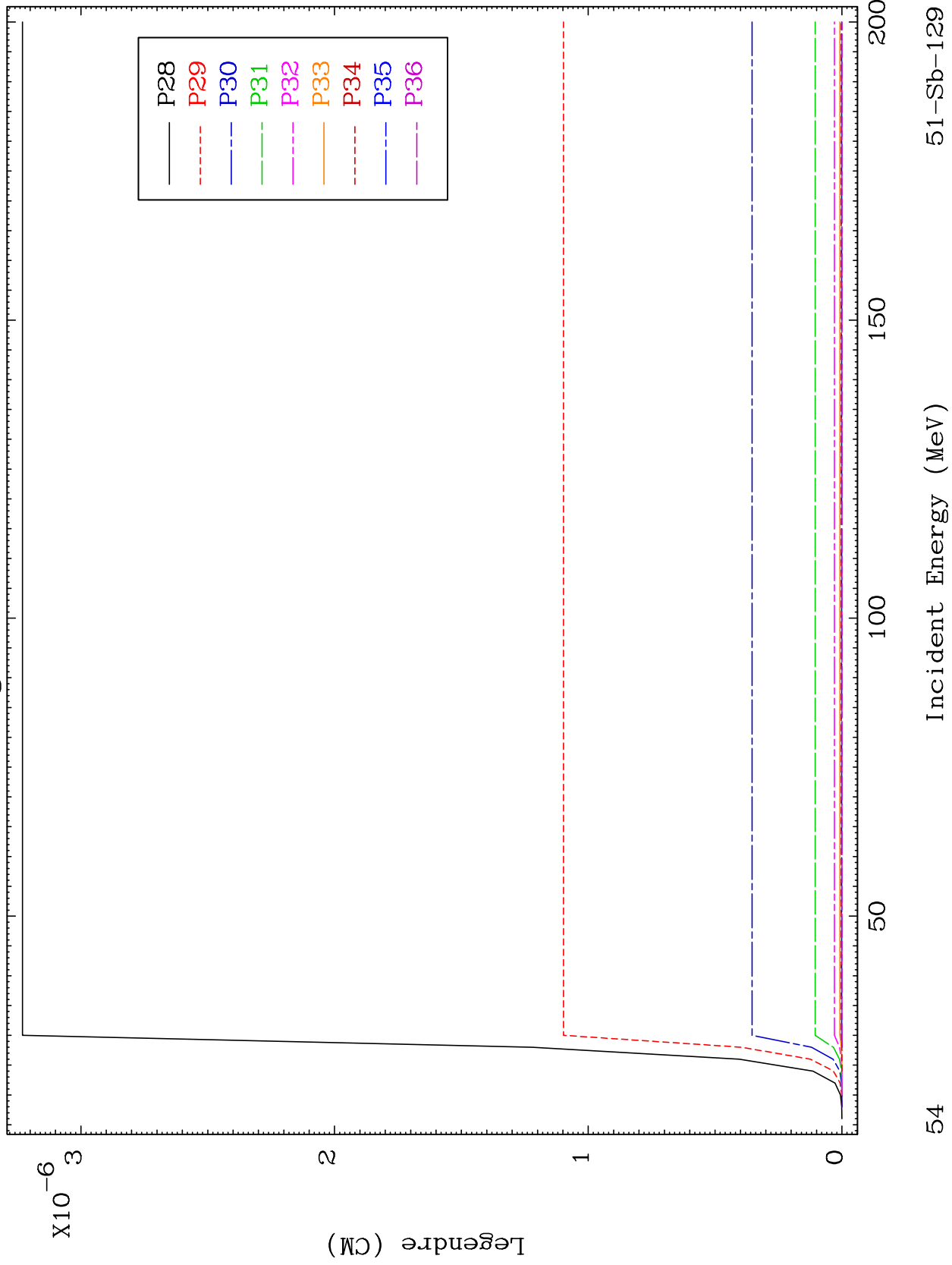
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



54

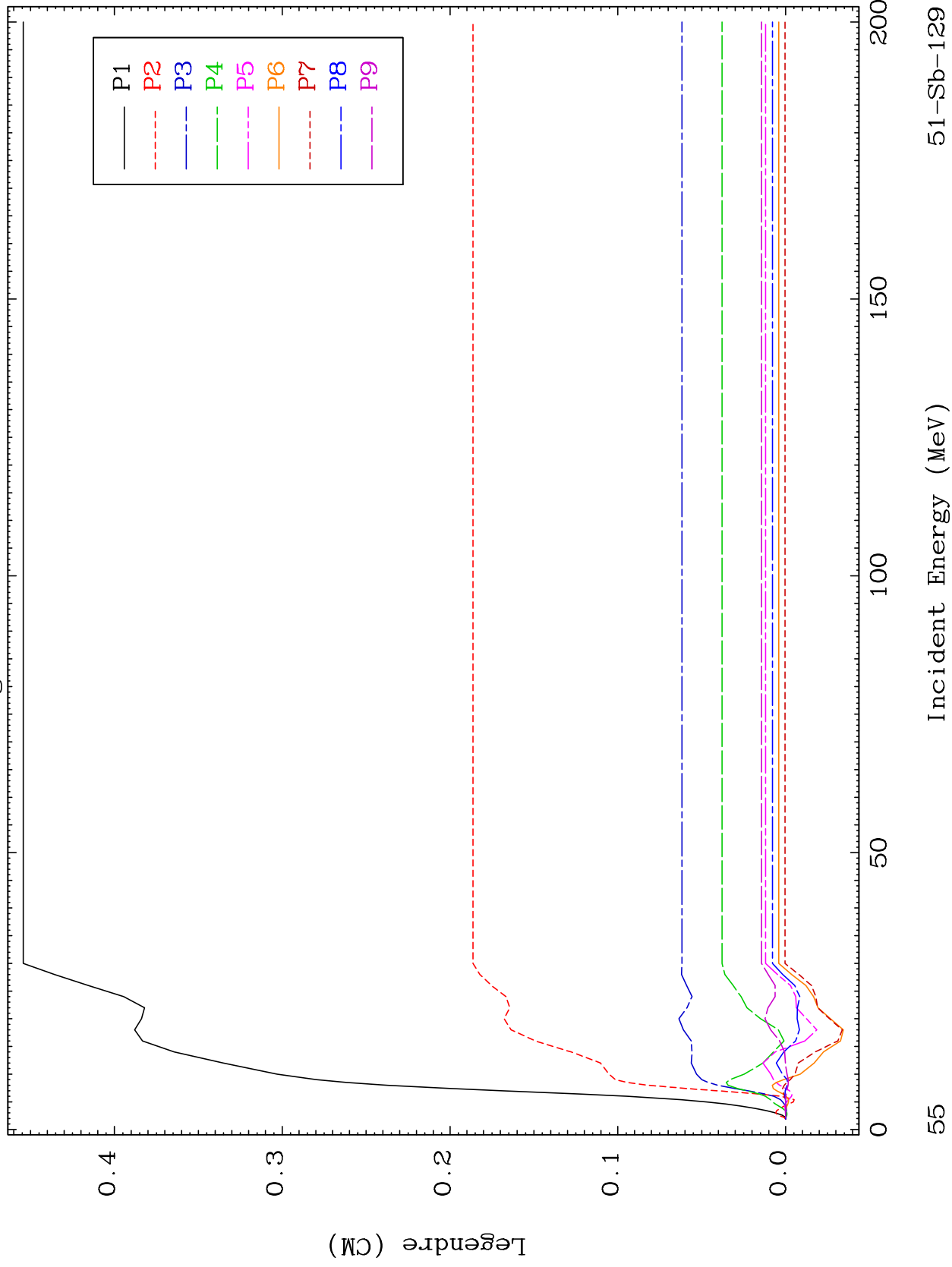
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



51-Sb-129

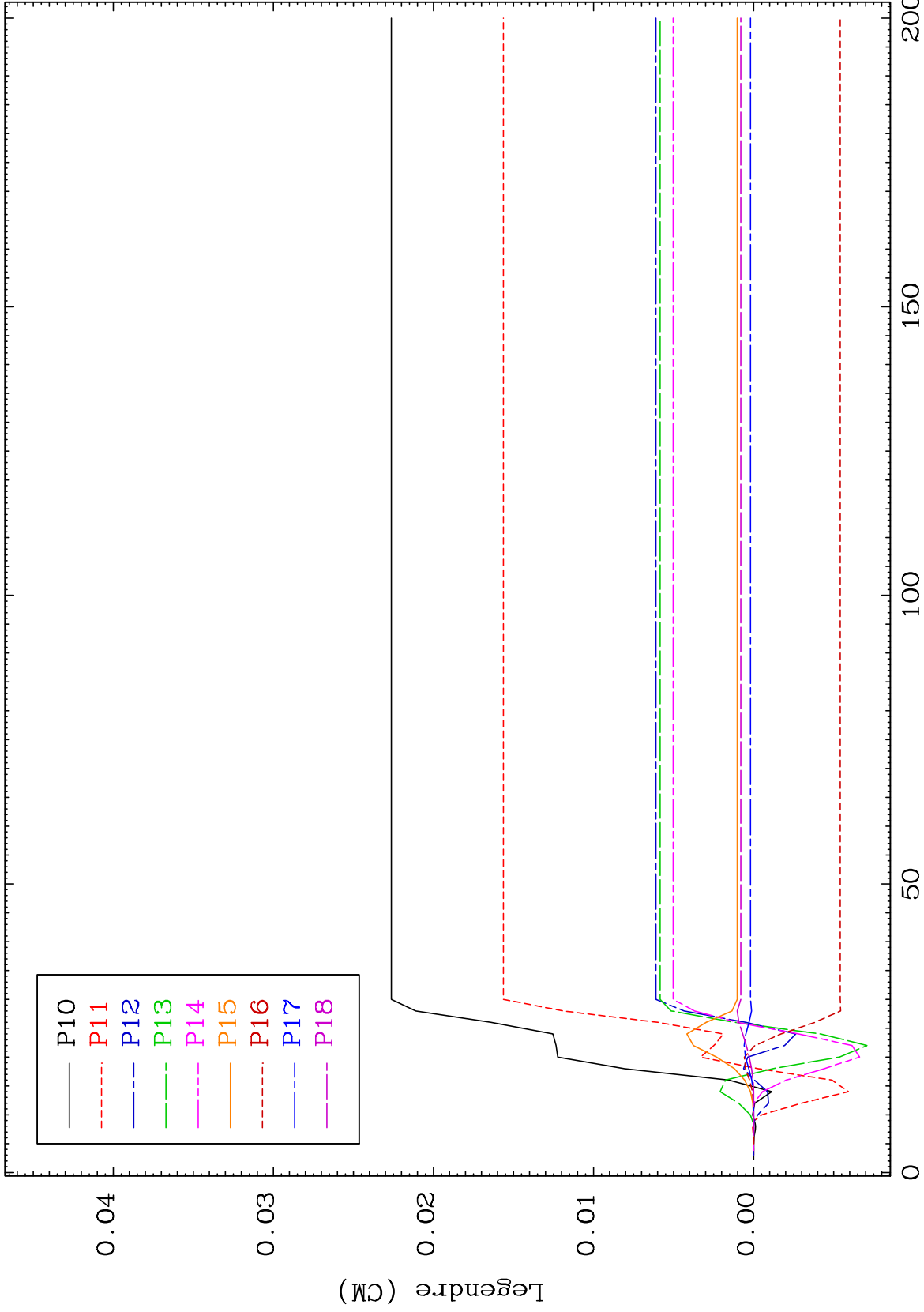
Incident Energy (MeV)

55

MAT 5149

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

51-Sb-129



56

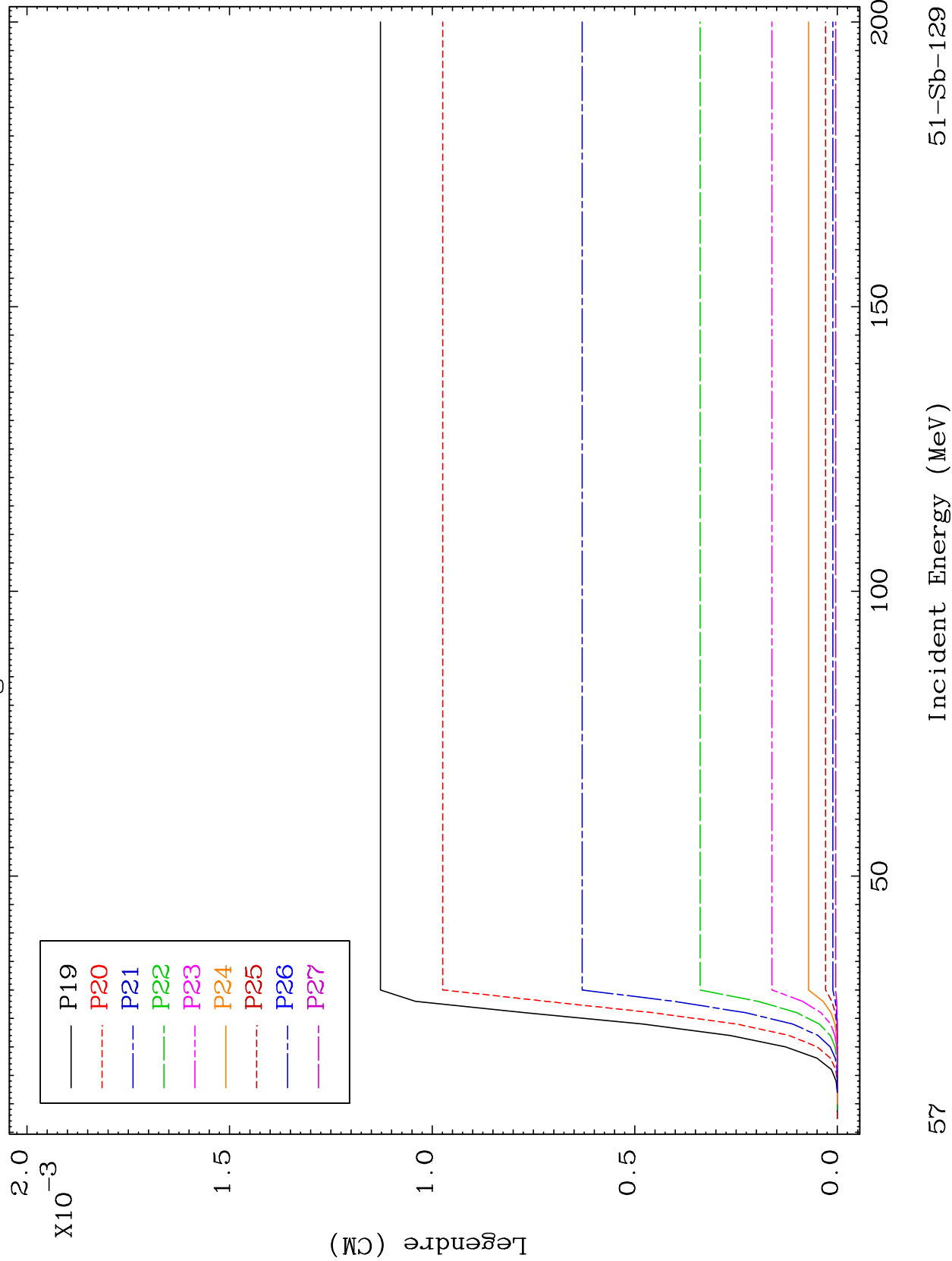
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

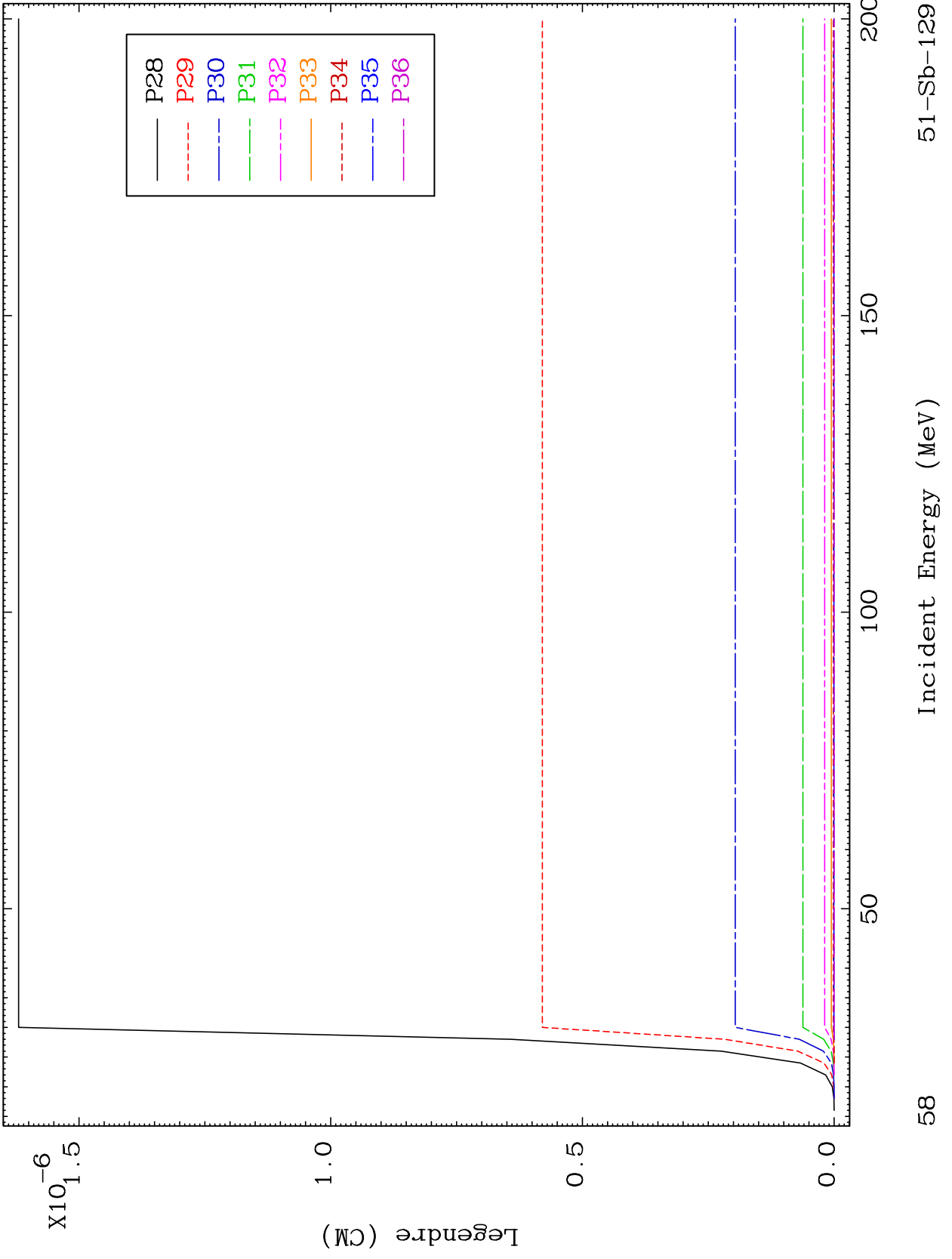
51-Sb-129



MAT 5149

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

51-Sb-129



58

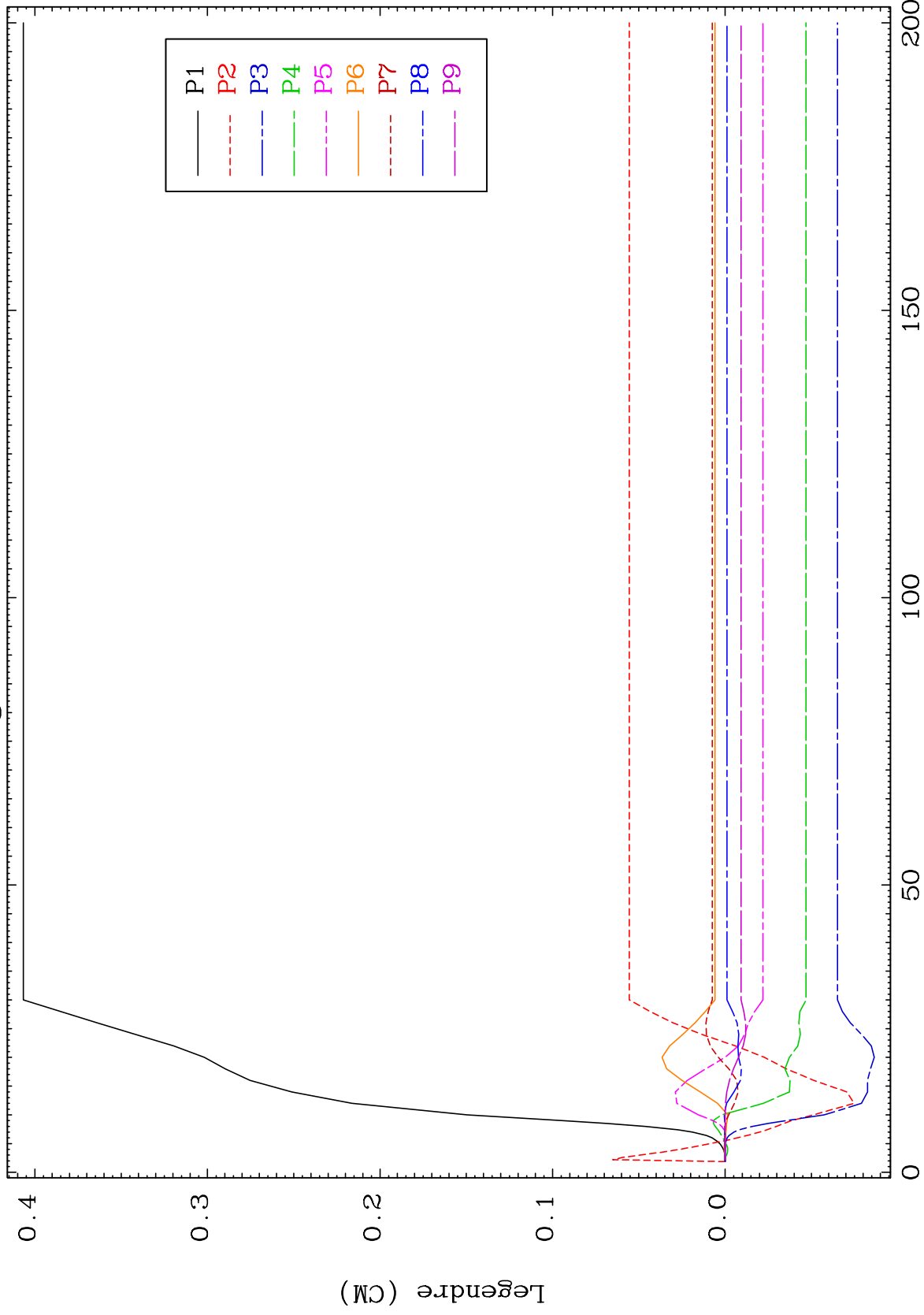
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



59

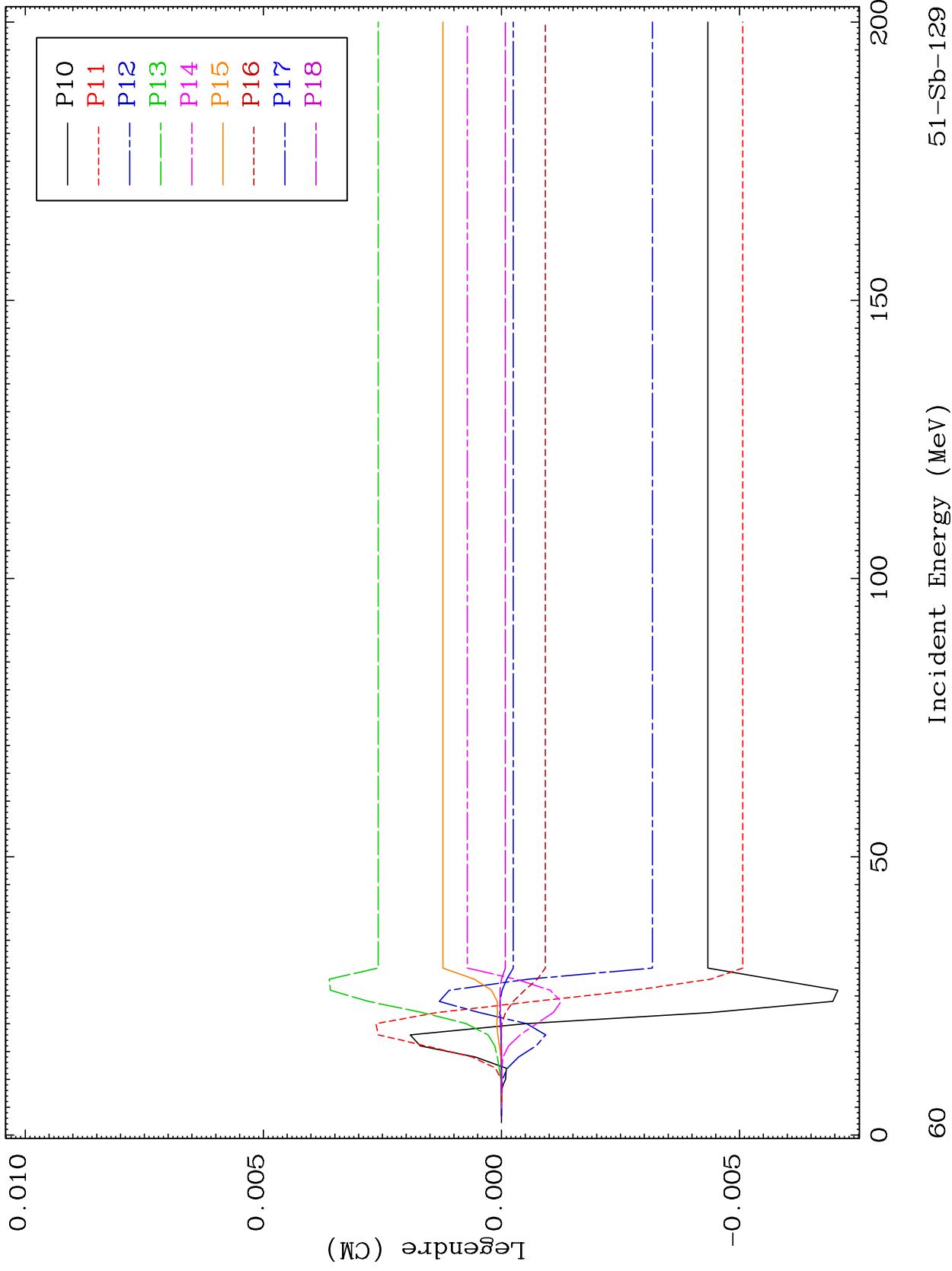
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



51-Sb-129

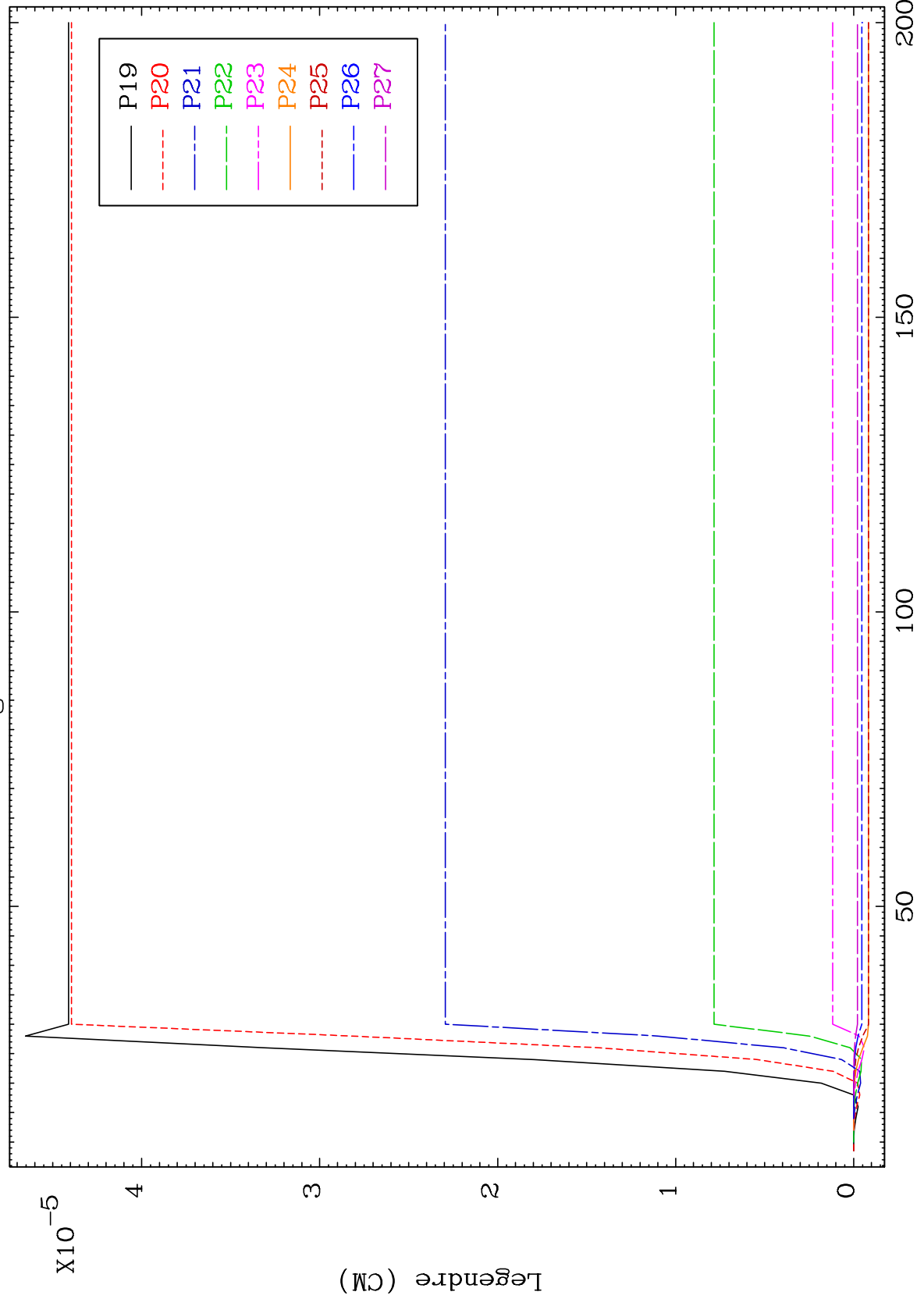
Incident Energy (MeV)

60

MAT 5149

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

51-Sb-129



61

Incident Energy (MeV)

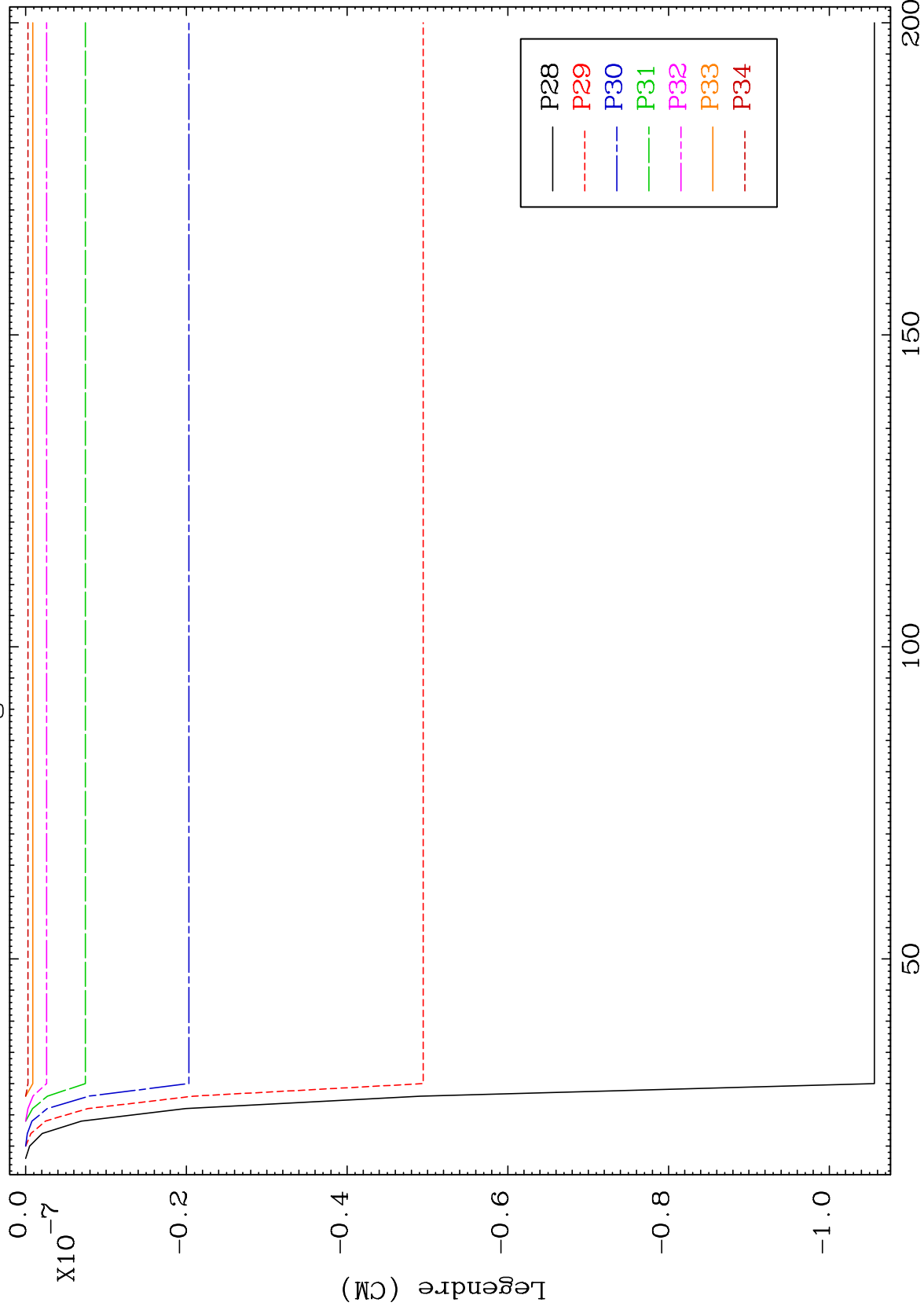
51-Sb-129

MAT 5149

MT= 61 (n,n') Level

51-Sb-129

Legendre Coefficients



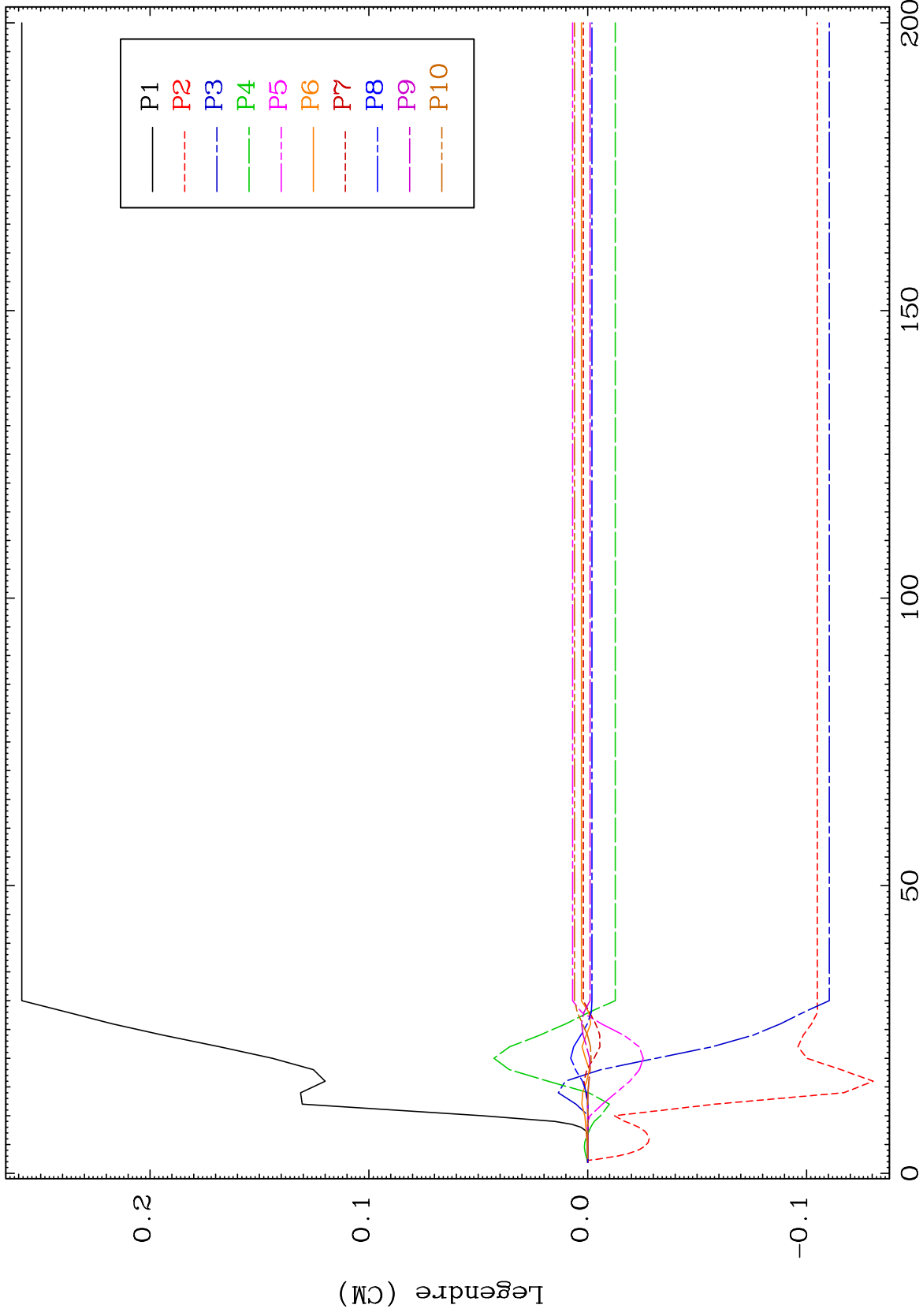
62

51-Sb-129

MAT 5149

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

51-Sb-129



63

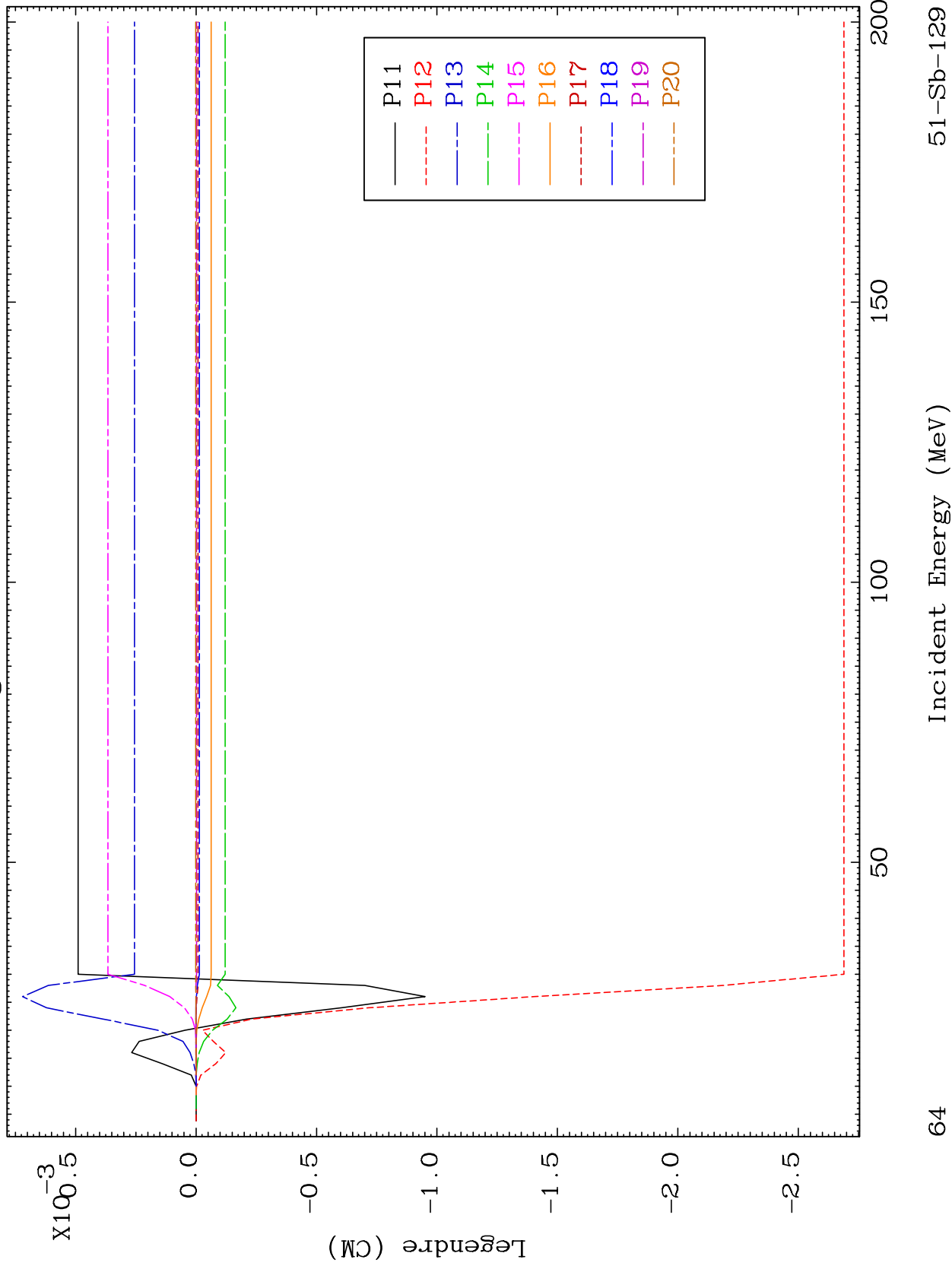
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



64

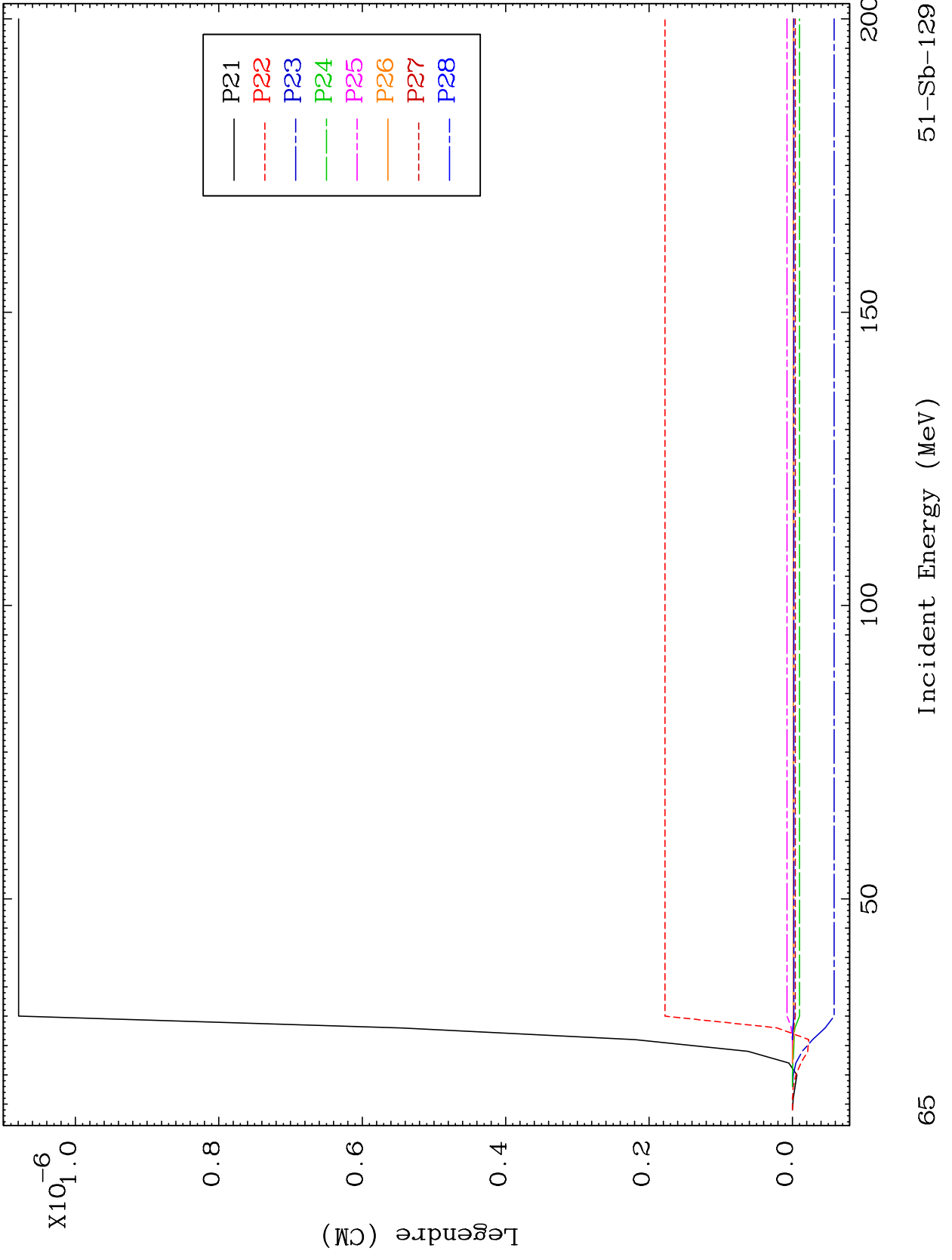
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



65

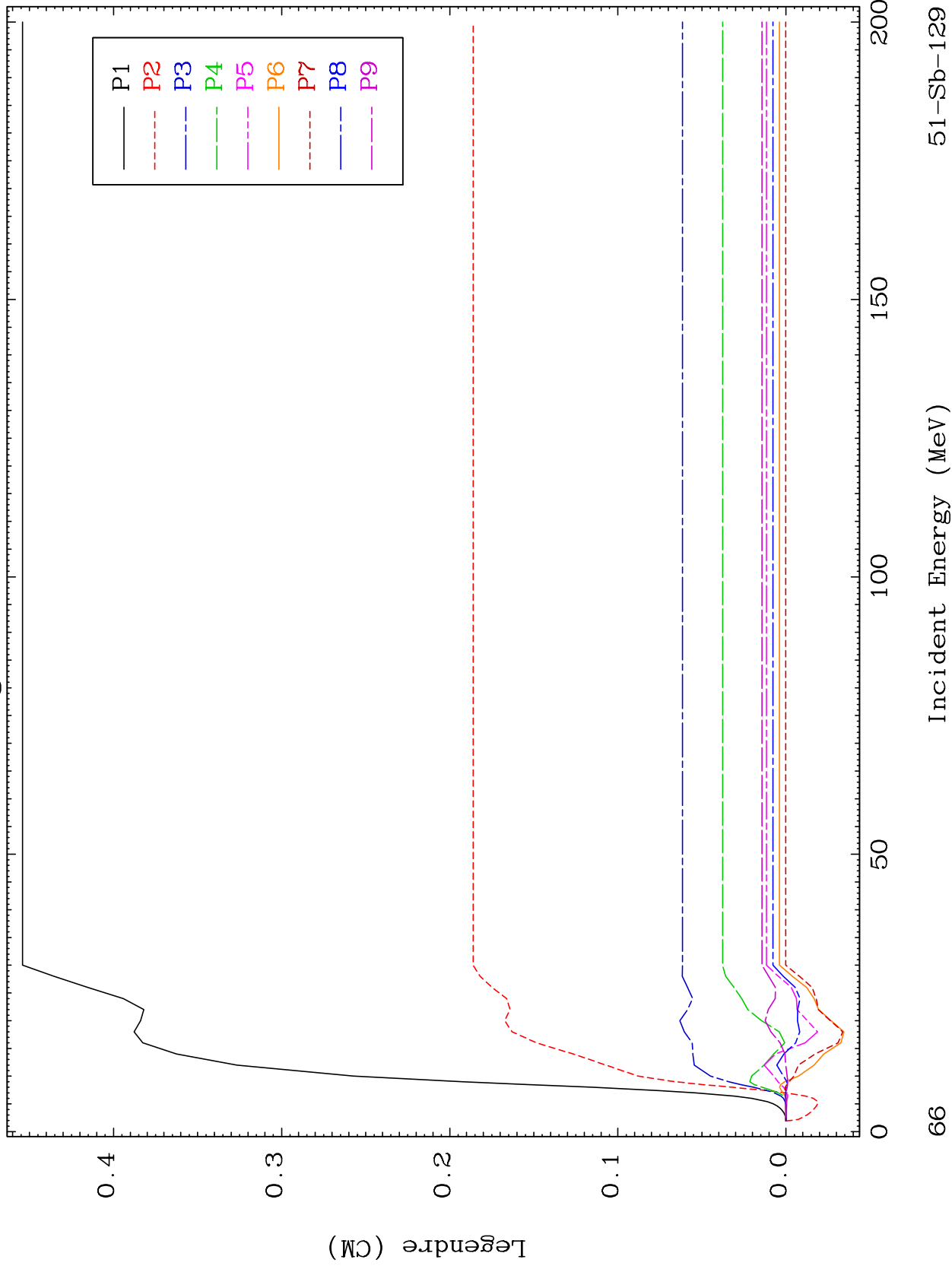
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



51-Sb-129

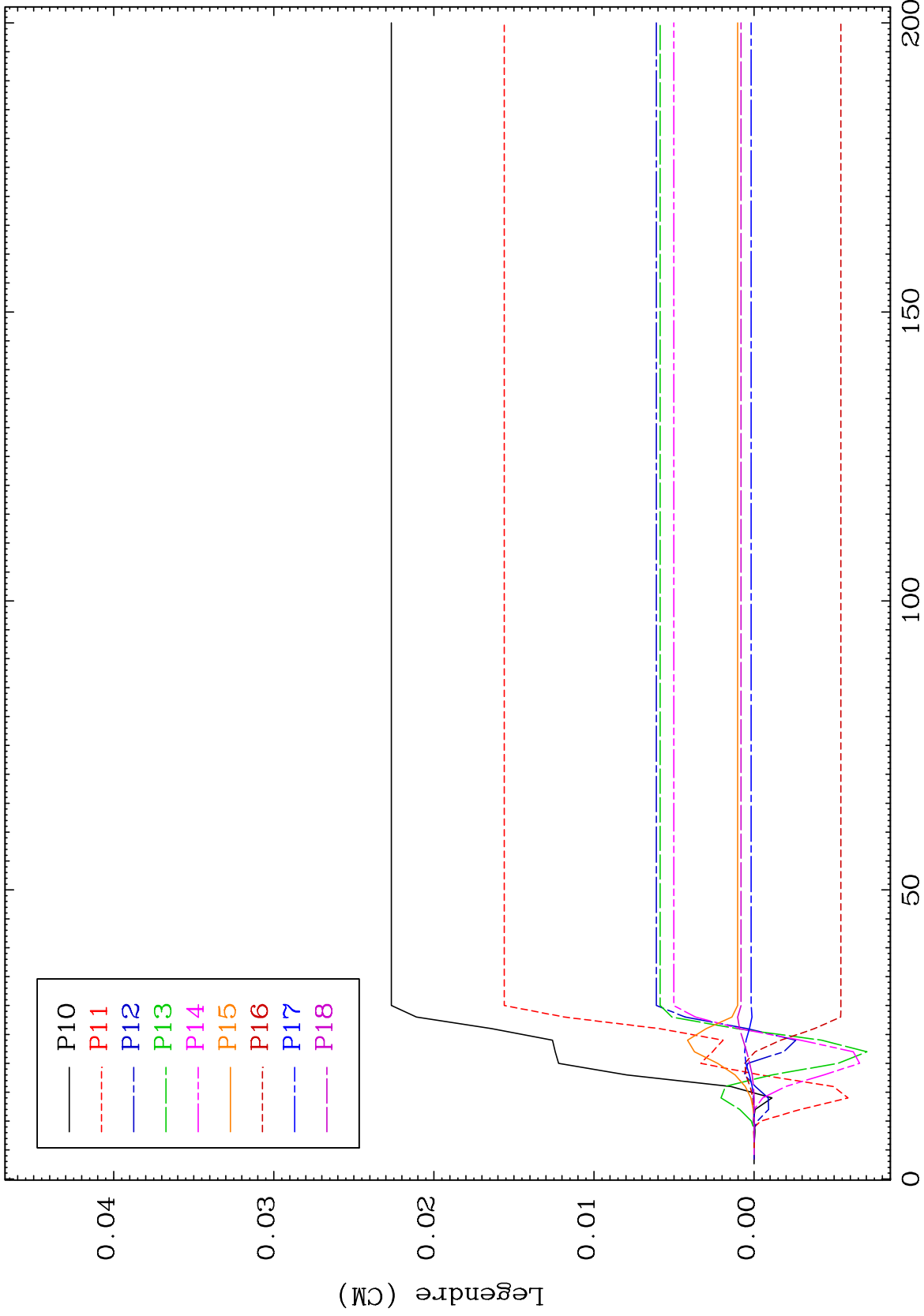
Incident Energy (MeV)

66

MAT 5149

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

51-Sb-129



67

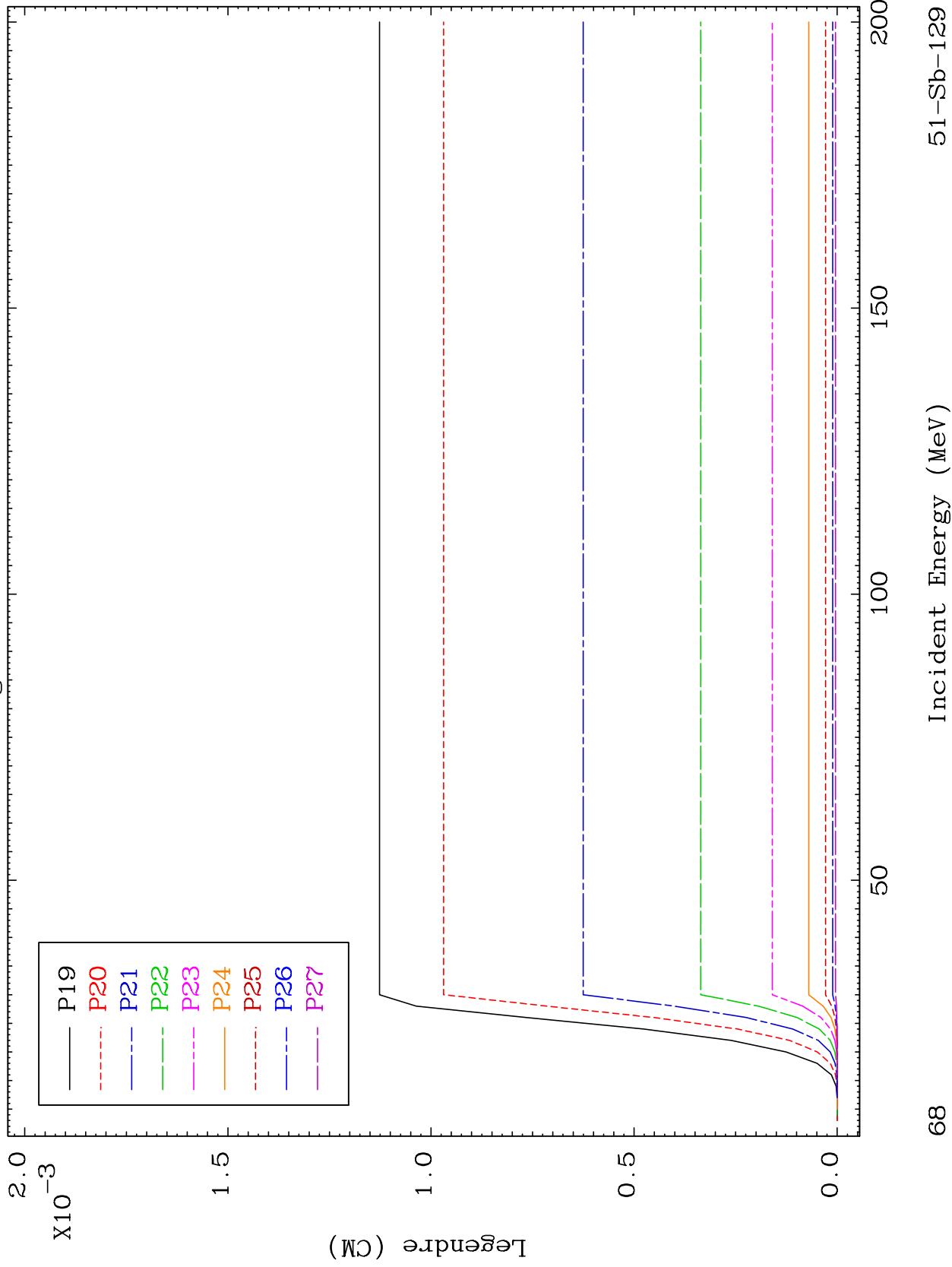
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

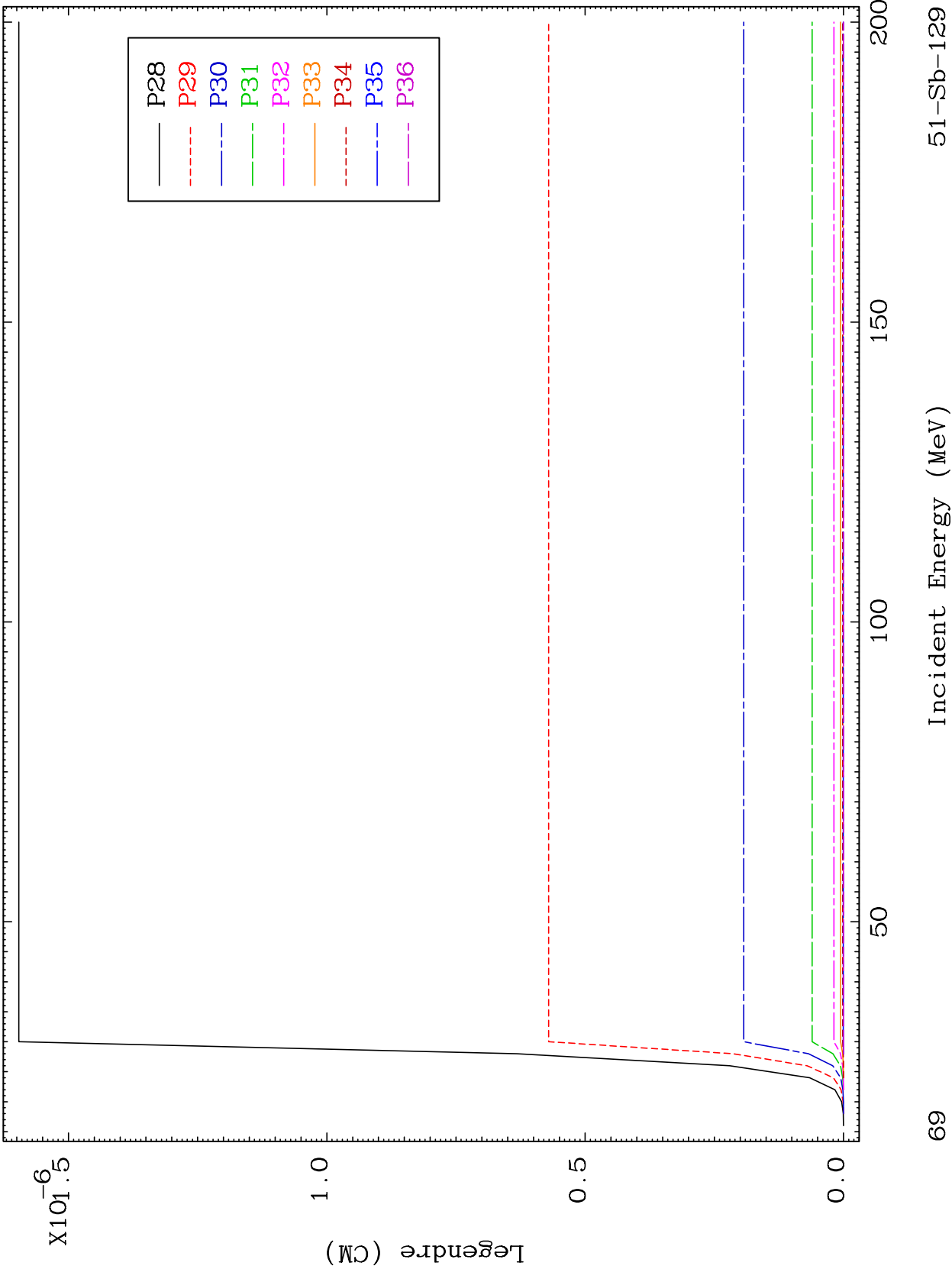
51-Sb-129



MAT 5149

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

51-Sb-129



69

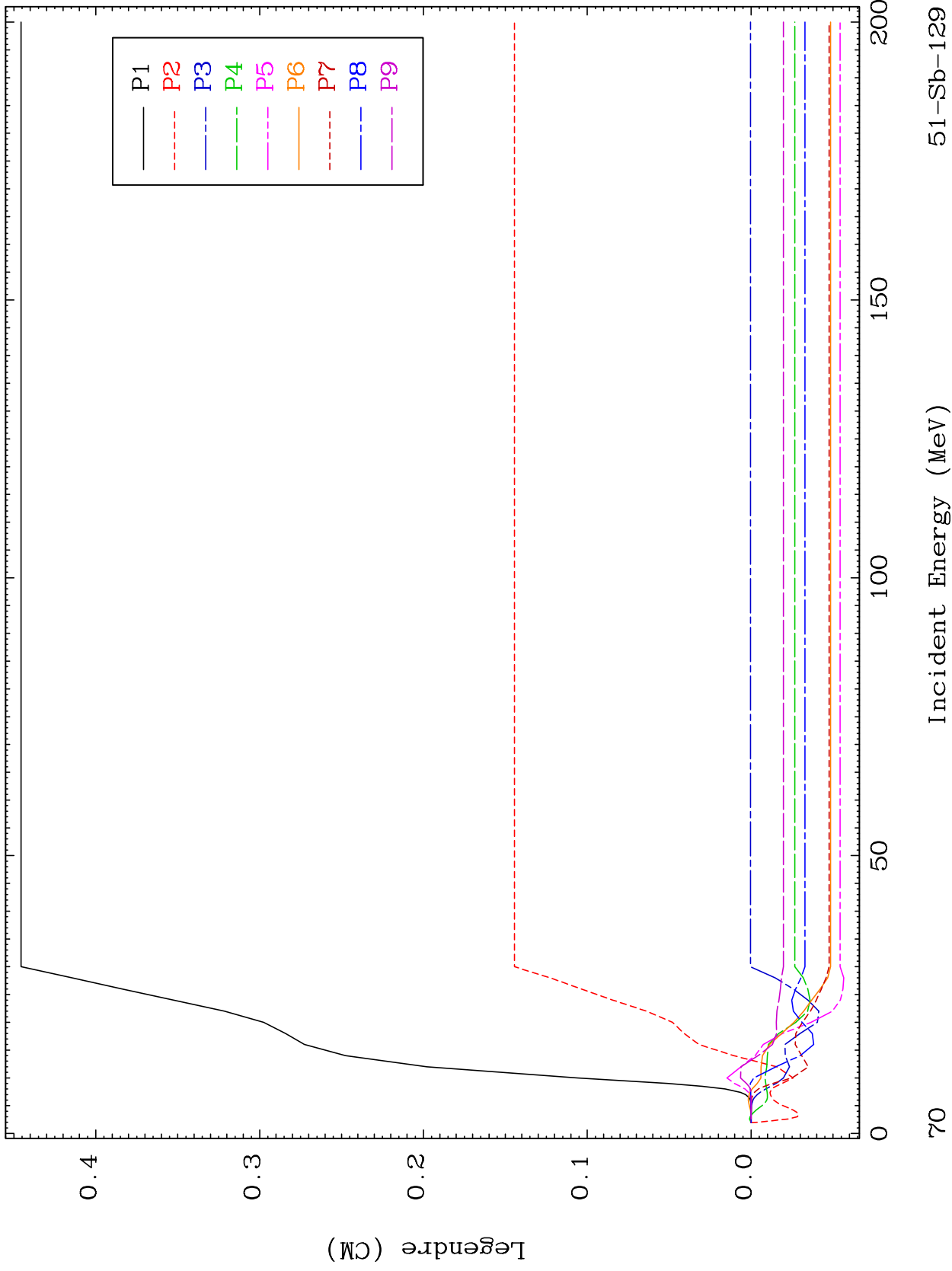
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



51-Sb-129

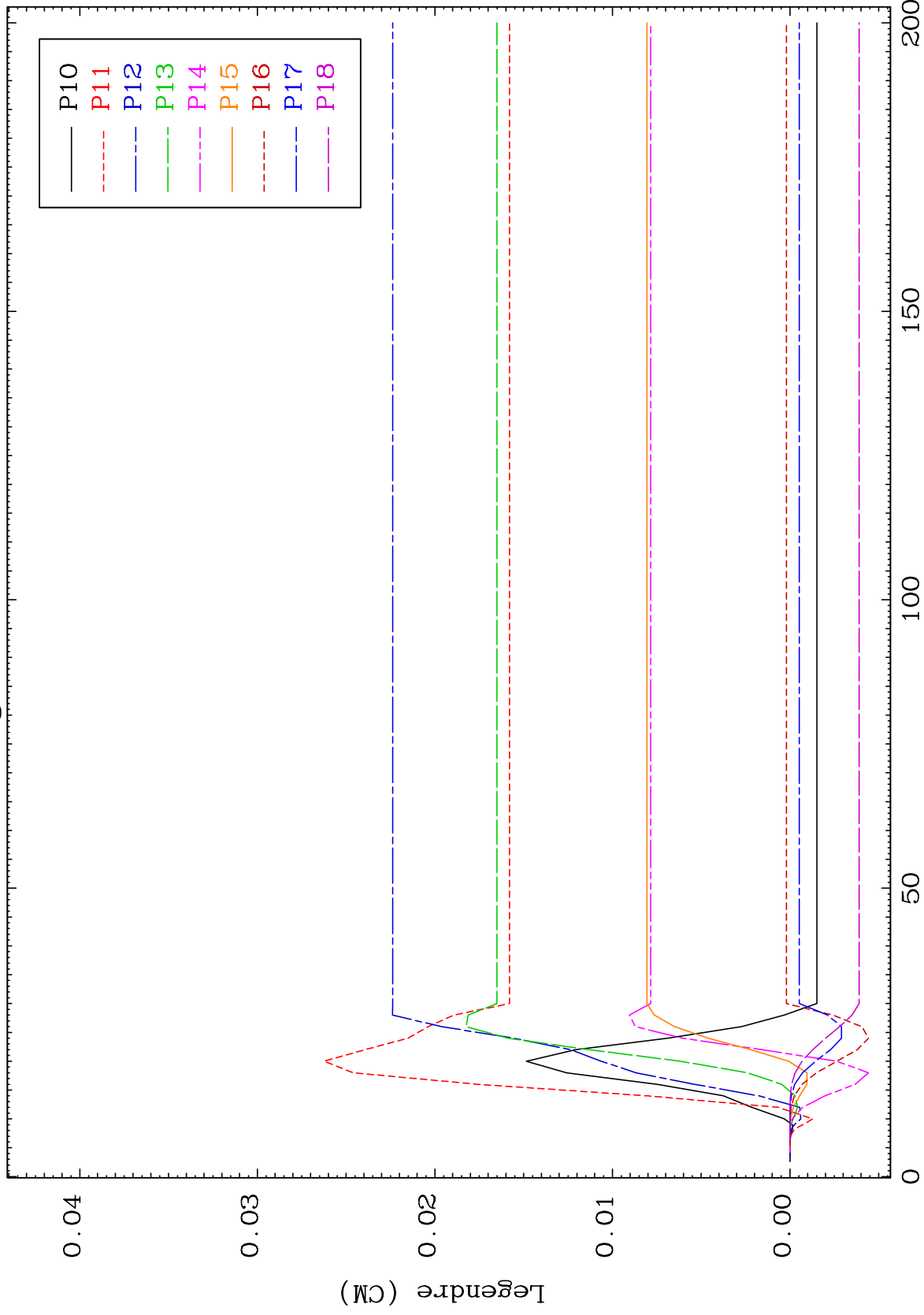
Incident Energy (MeV)

70

MAT 5149

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

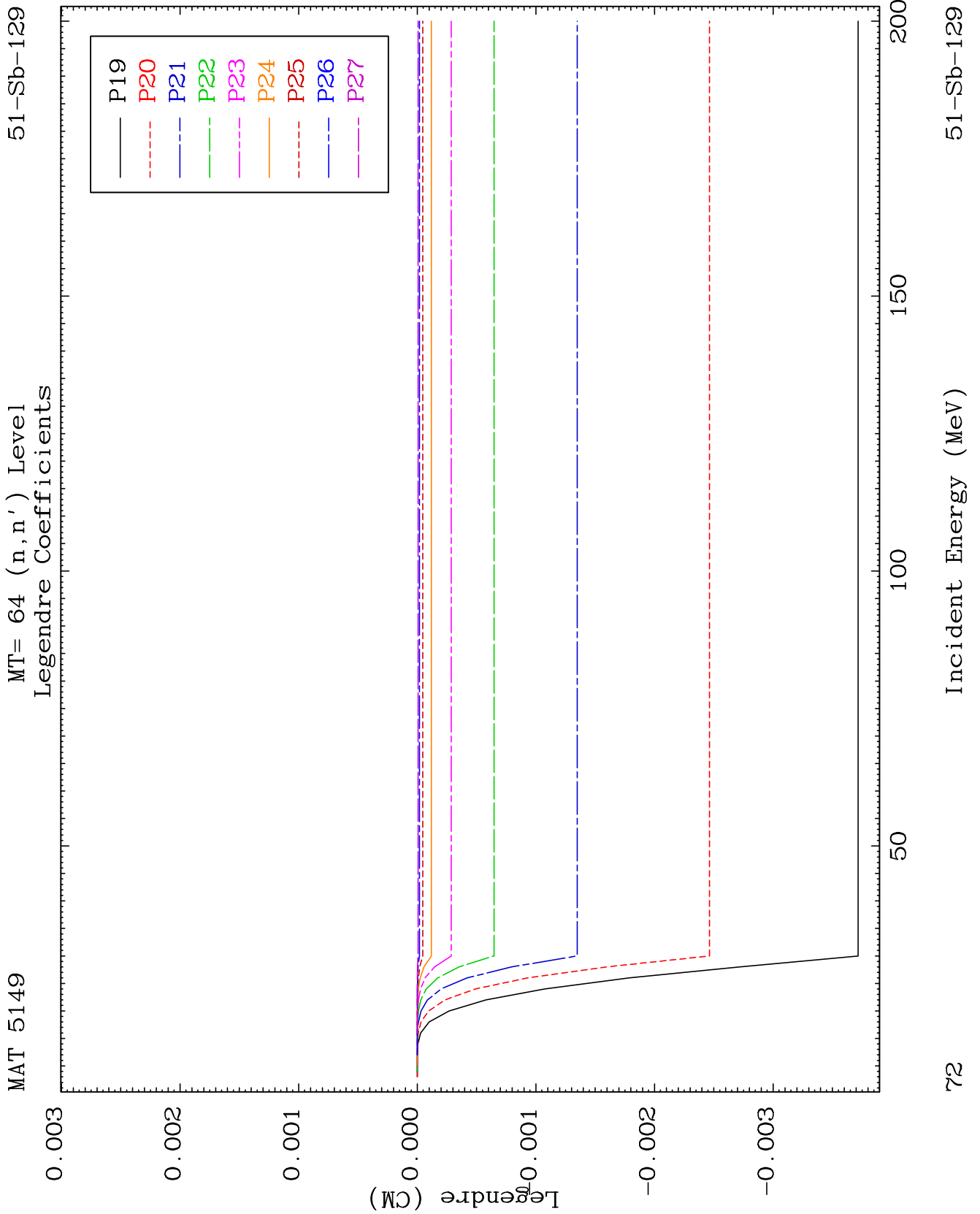
51-Sb-129



71

Incident Energy (MeV)

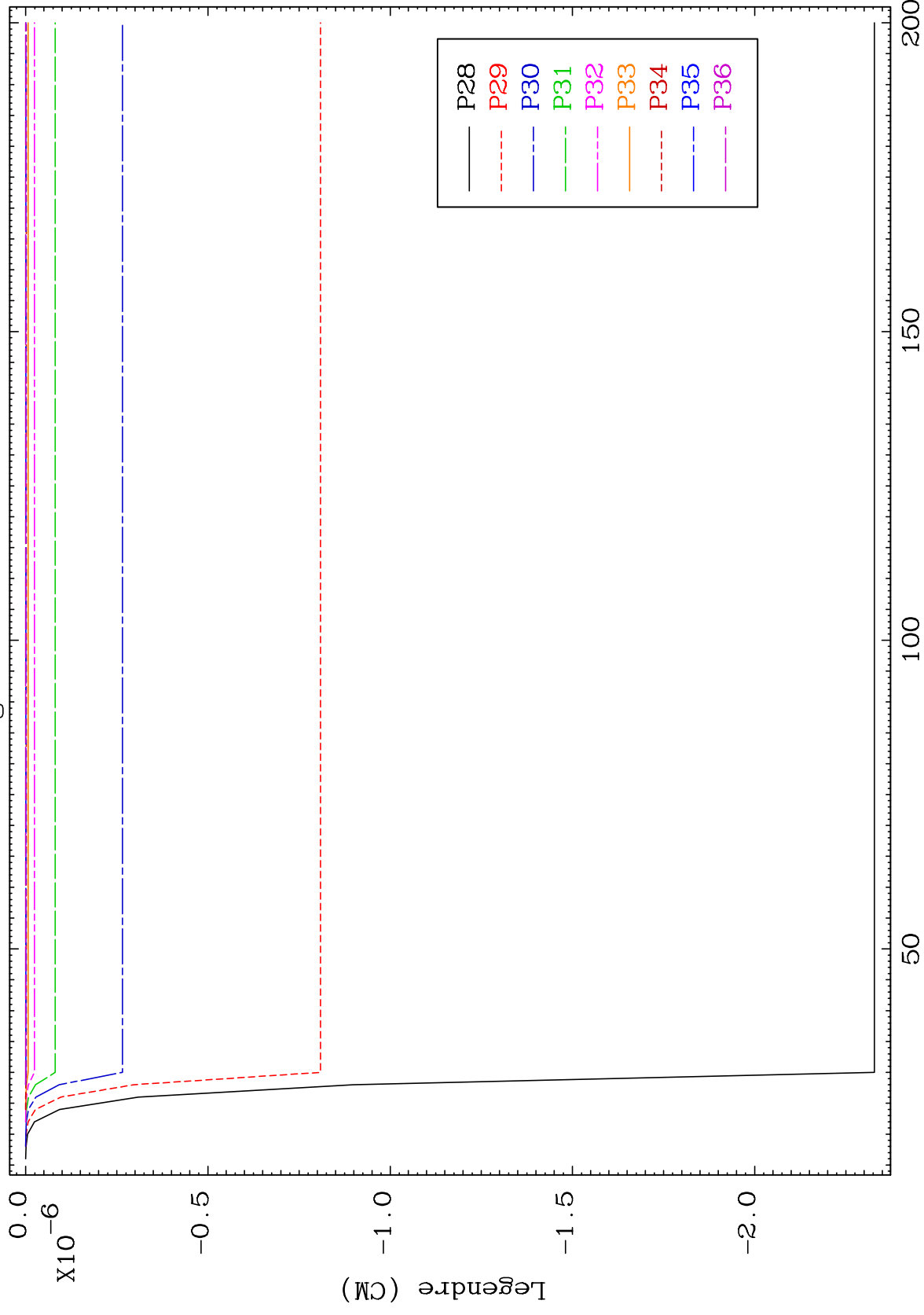
51-Sb-129



MAT 5149

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

51-Sb-129



73

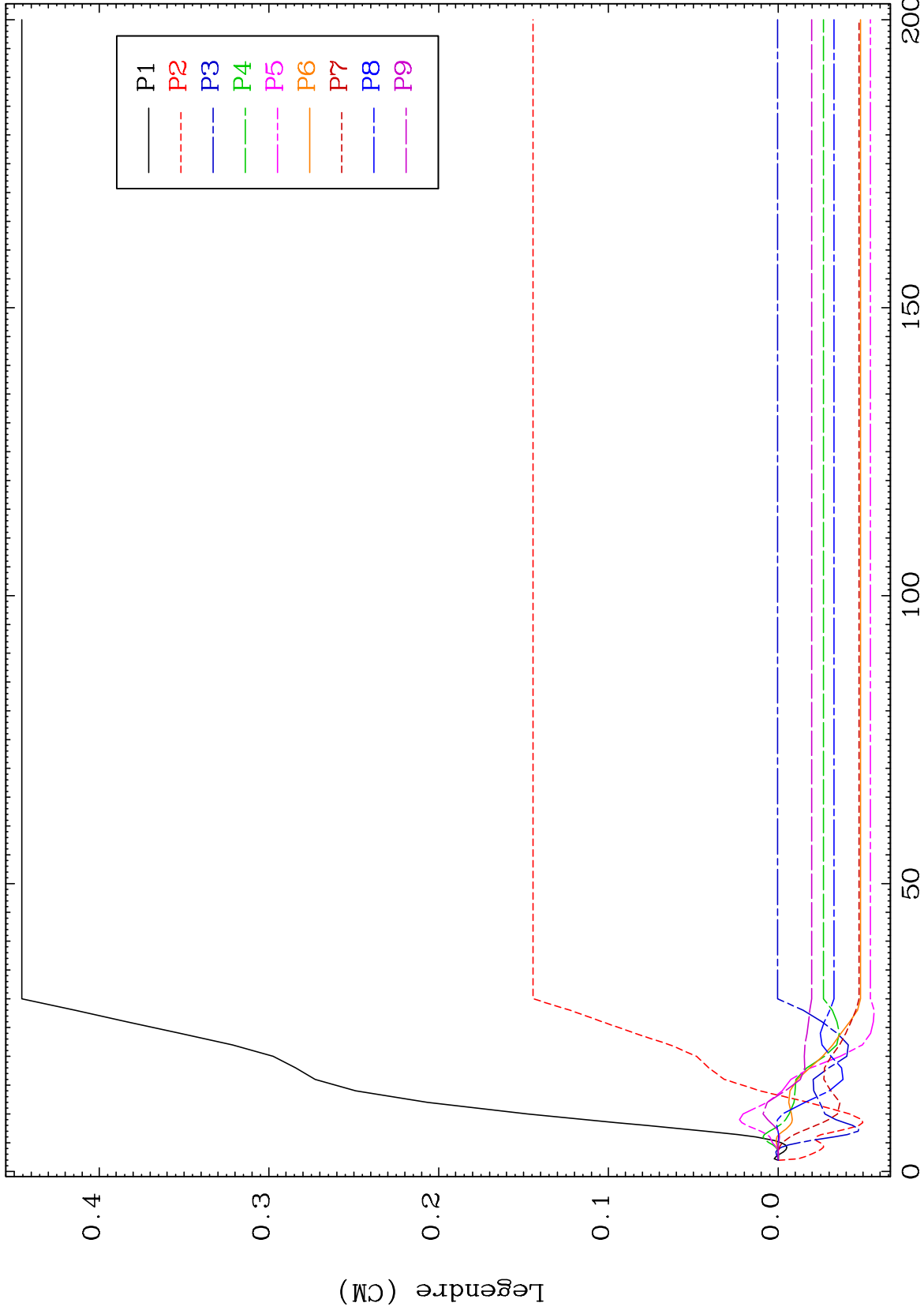
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



74

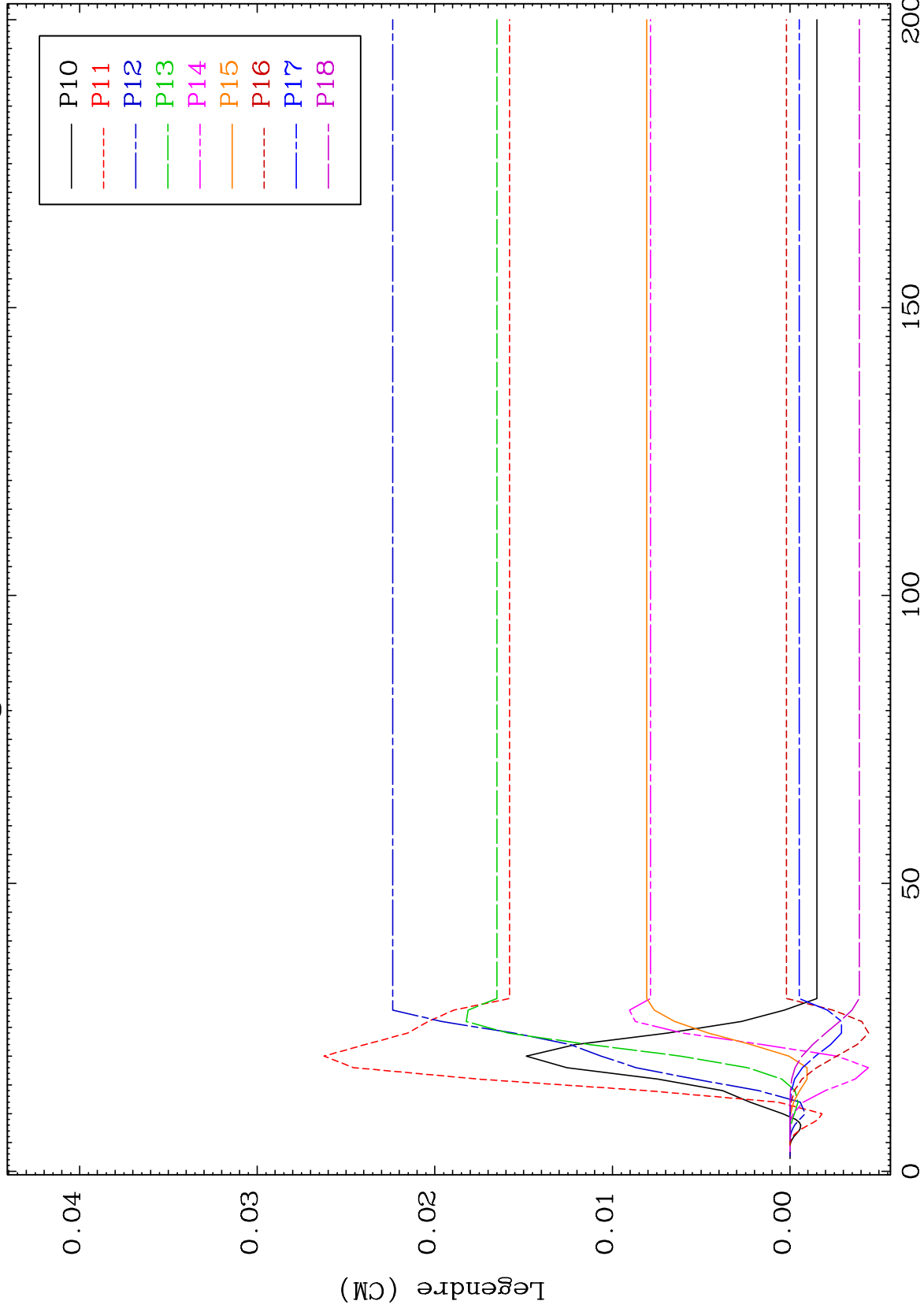
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



75

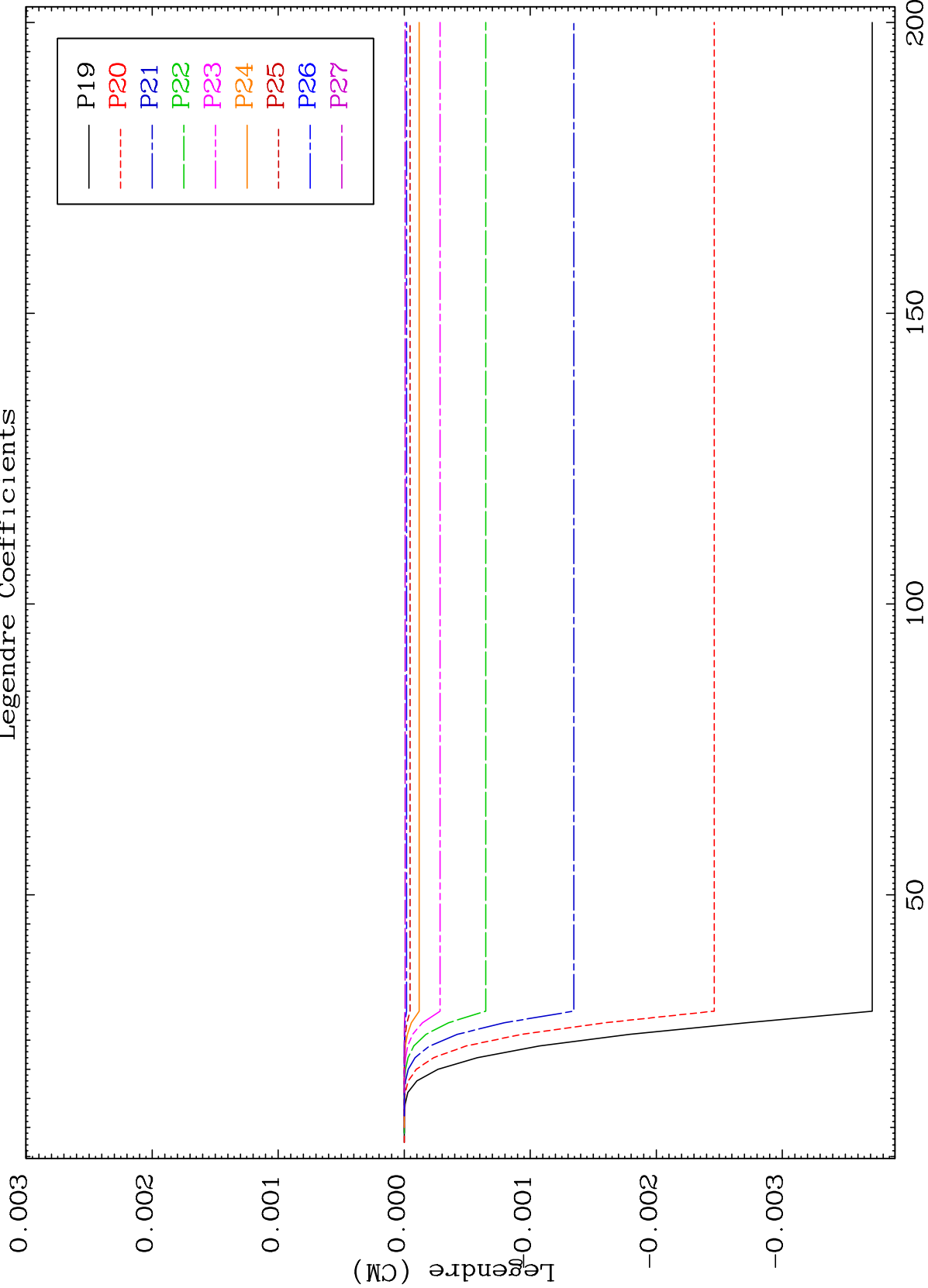
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

51-Sb-129



76

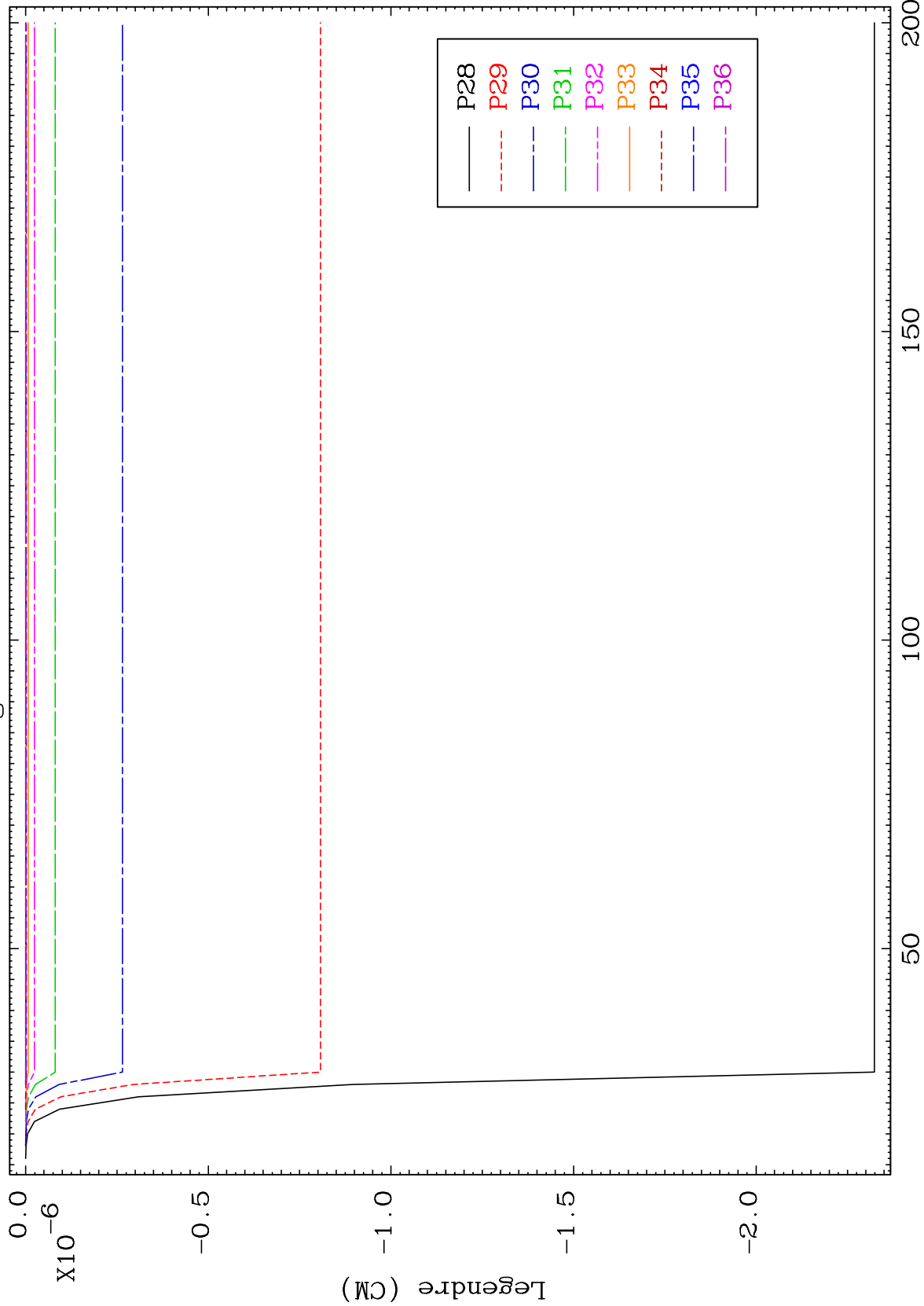
Incident Energy (MeV)

51-Sb-129

MAT 5149

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

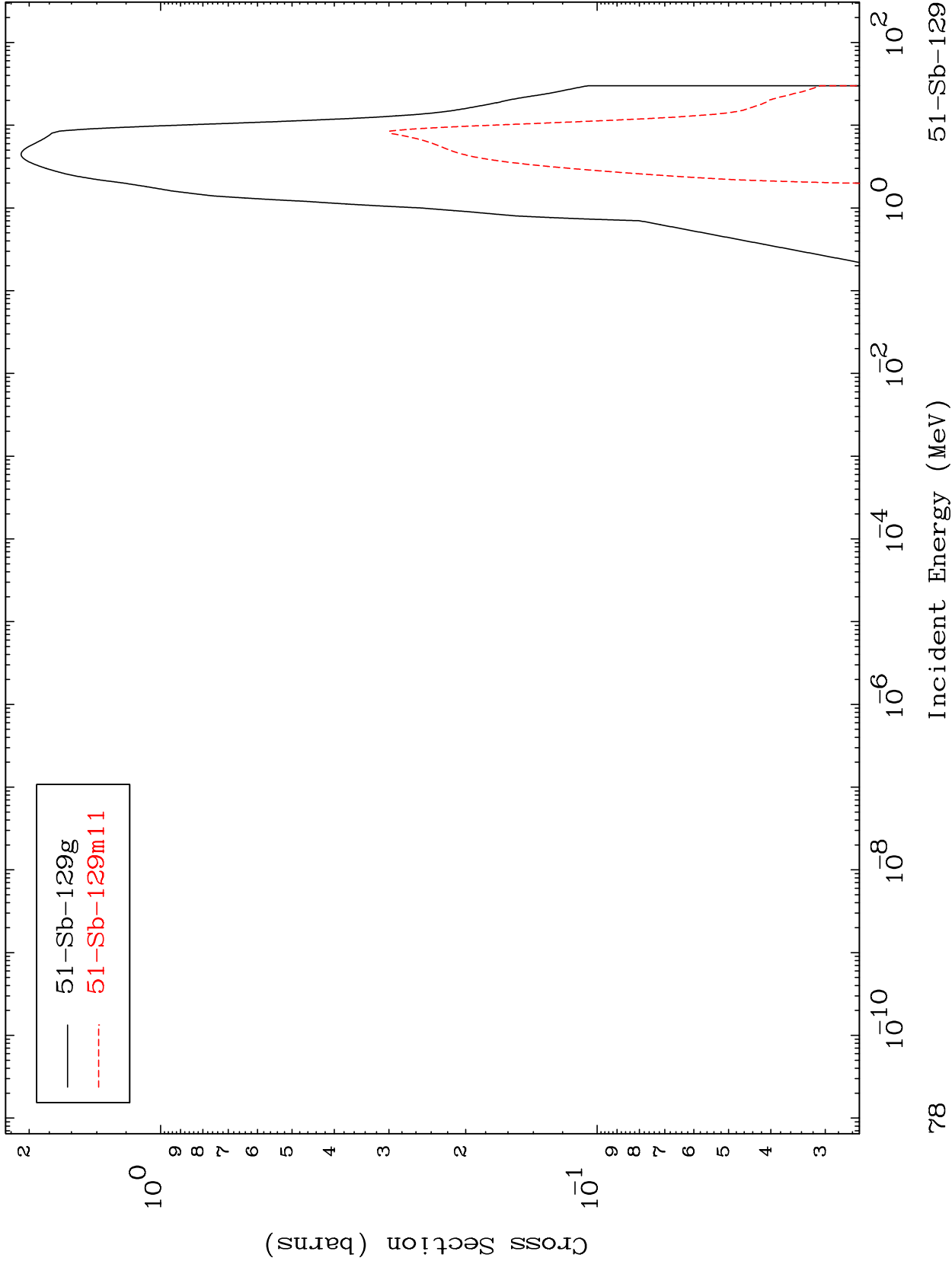
51-Sb-129



MAT 5149

Inelastic
Radionuclide Production Cross Section

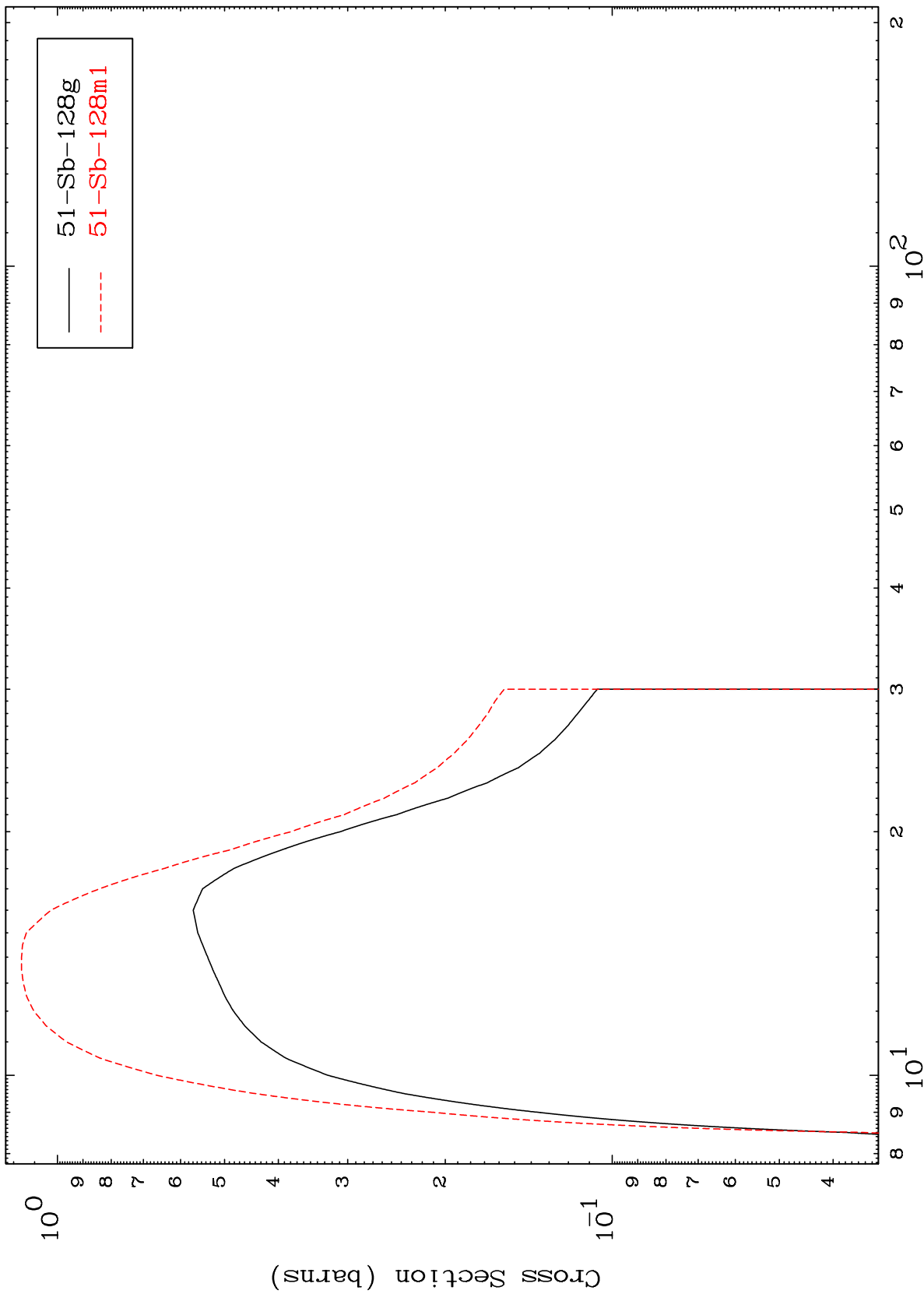
51-Sb-129



MAT 5149

51-Sb-129

(n,2n)
Radionuclide Production Cross Section



79

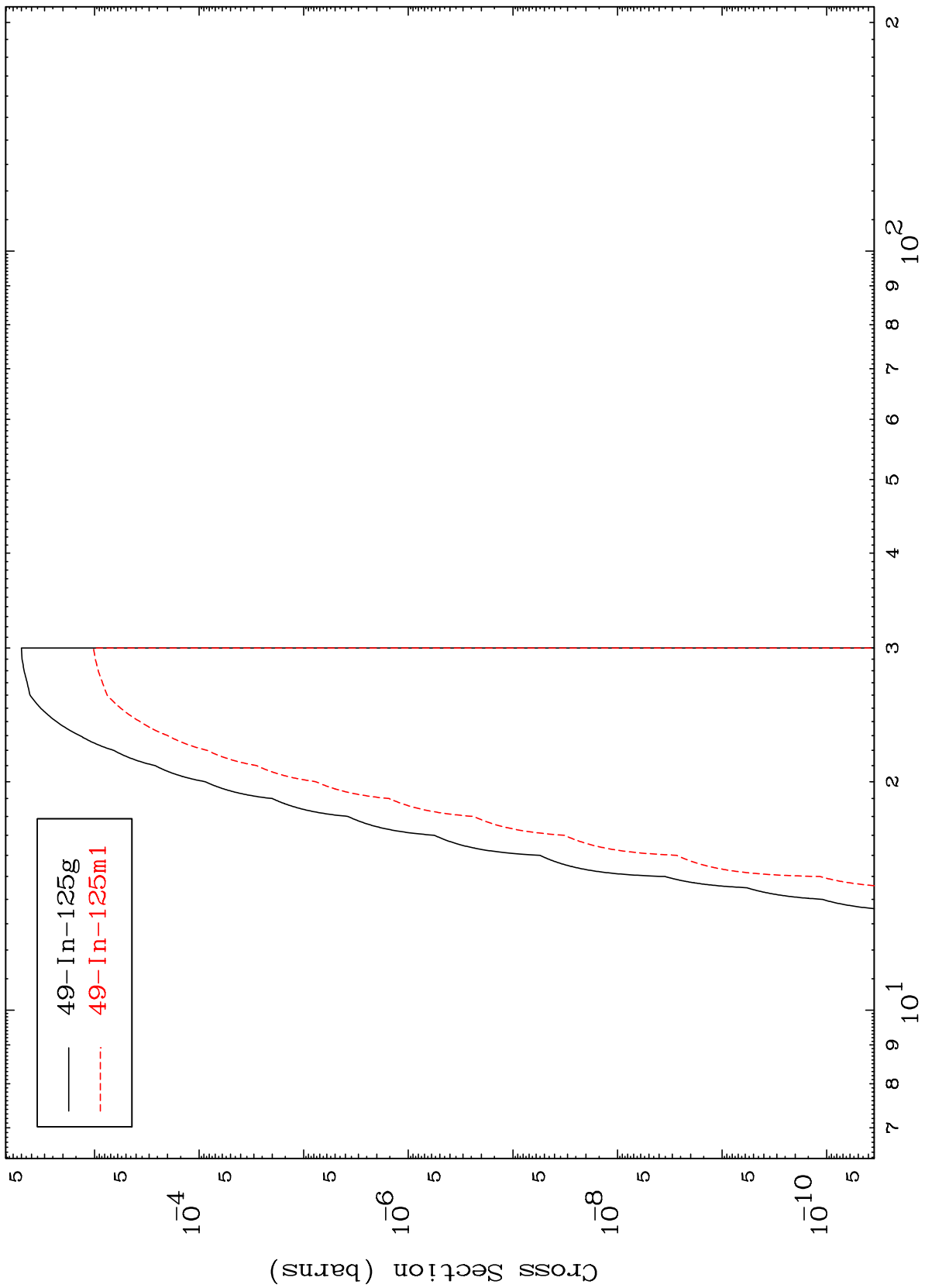
Incident Energy (MeV)

51-Sb-129

MAT 5149

51-Sb-129

(n,n') α
Radionuclide Production Cross Section



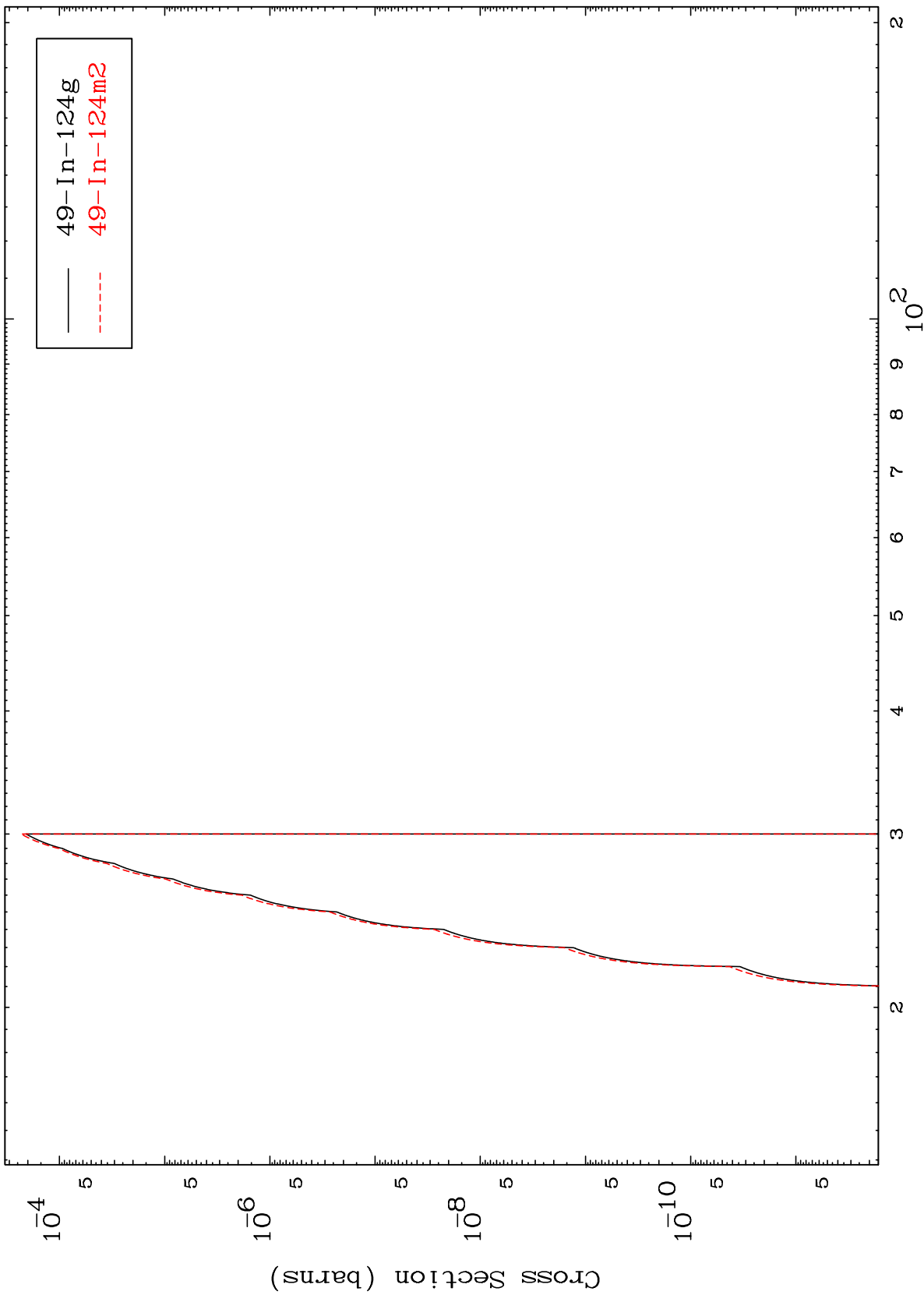
— 49-In-125g
- - - 49-In-125m1

80

Incident Energy (MeV)

51-Sb-129

Radionuclide Production Cross Section

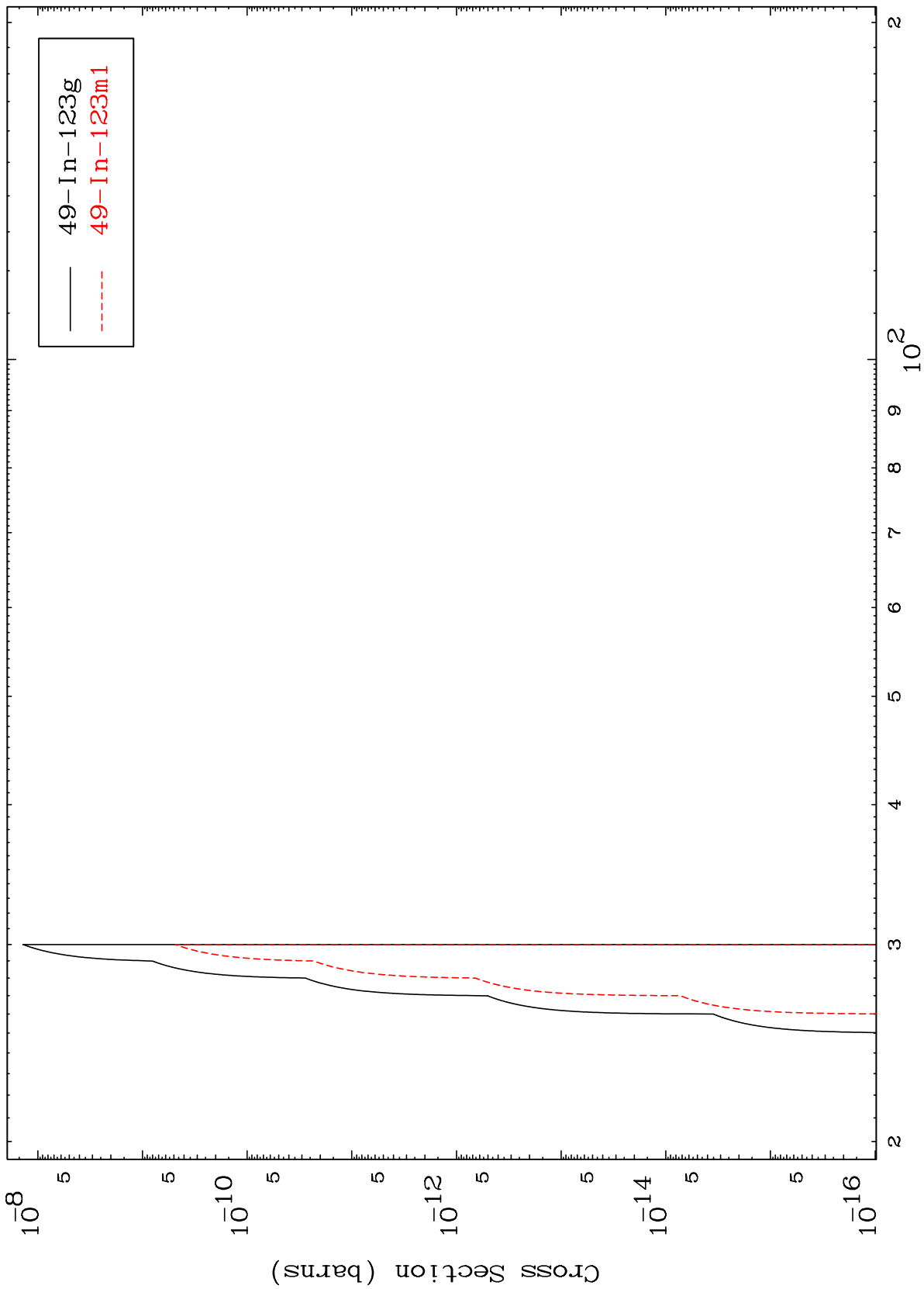


MAT 5149

(n,3n) α

51-Sb-129

Radionuclide Production Cross Section

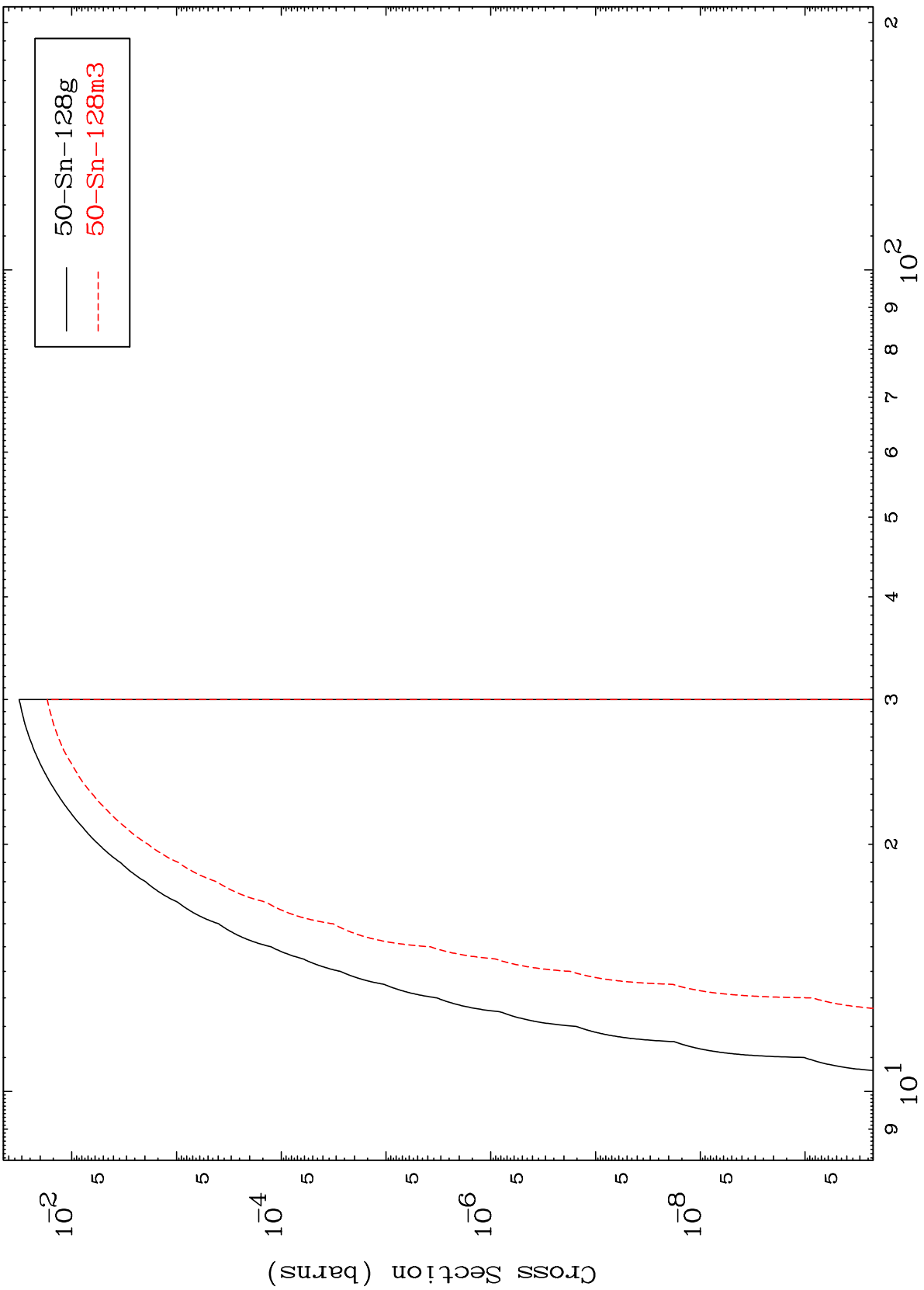


82

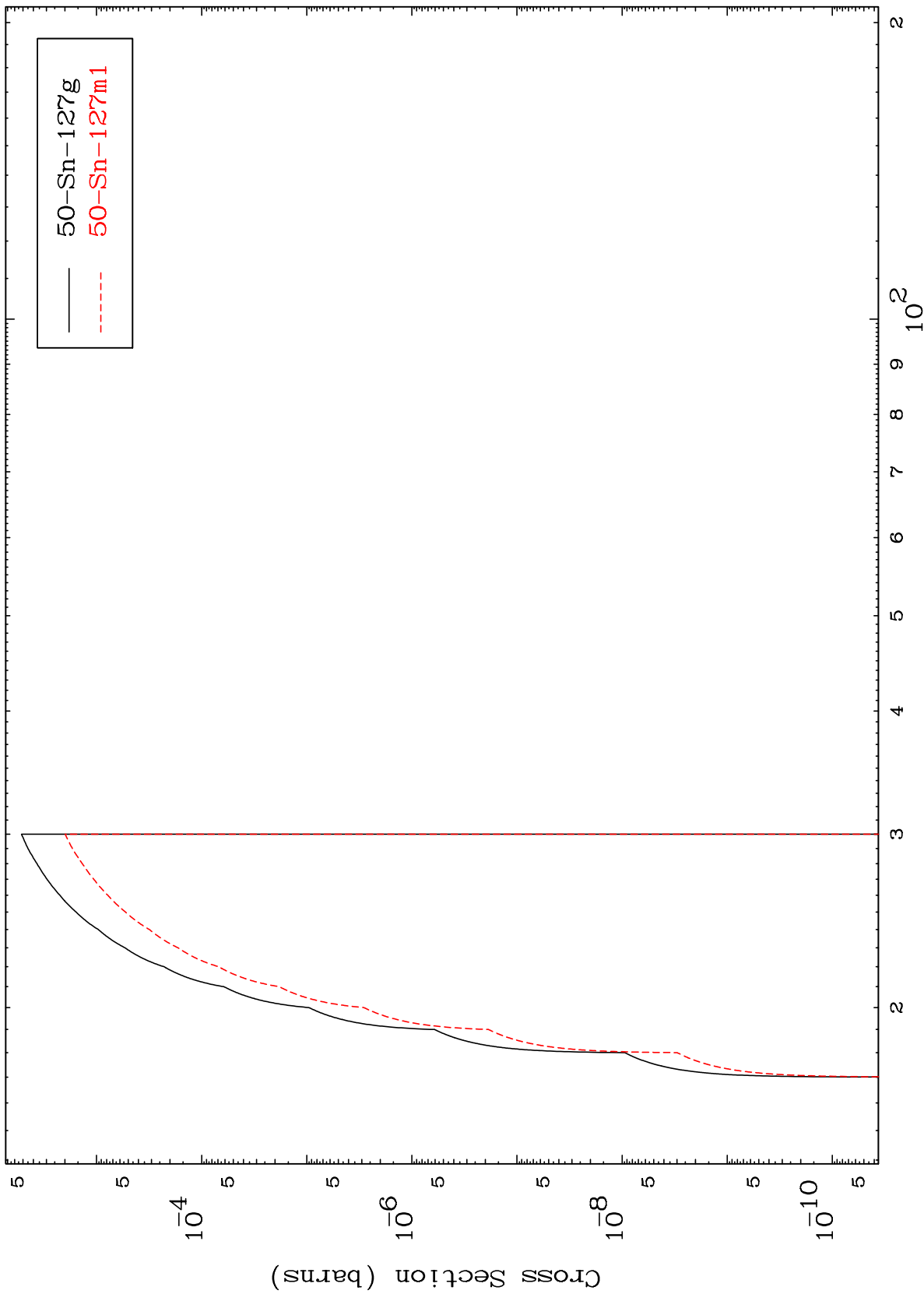
Incident Energy (MeV)

51-Sb-129

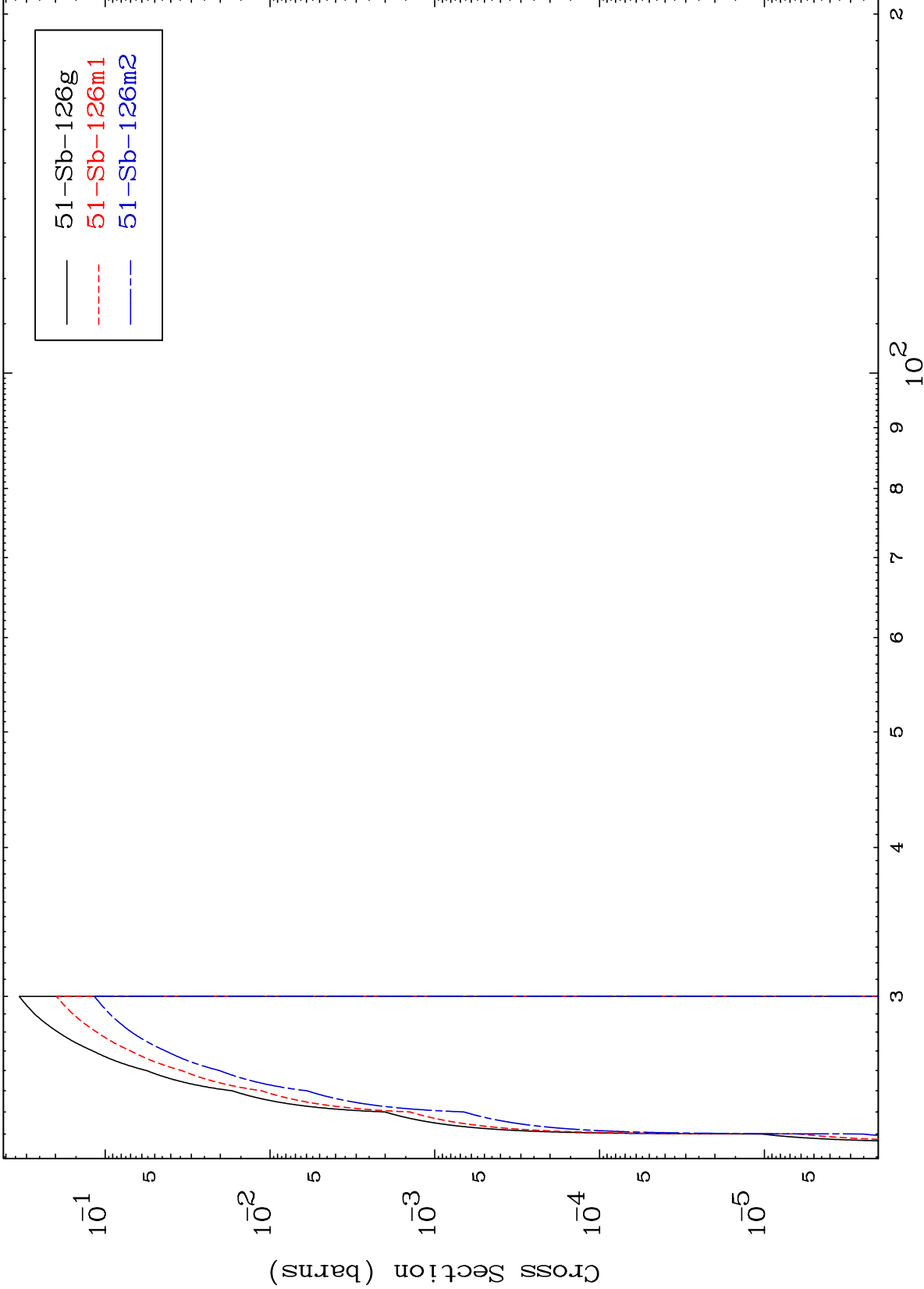
Radionuclide Production Cross Section



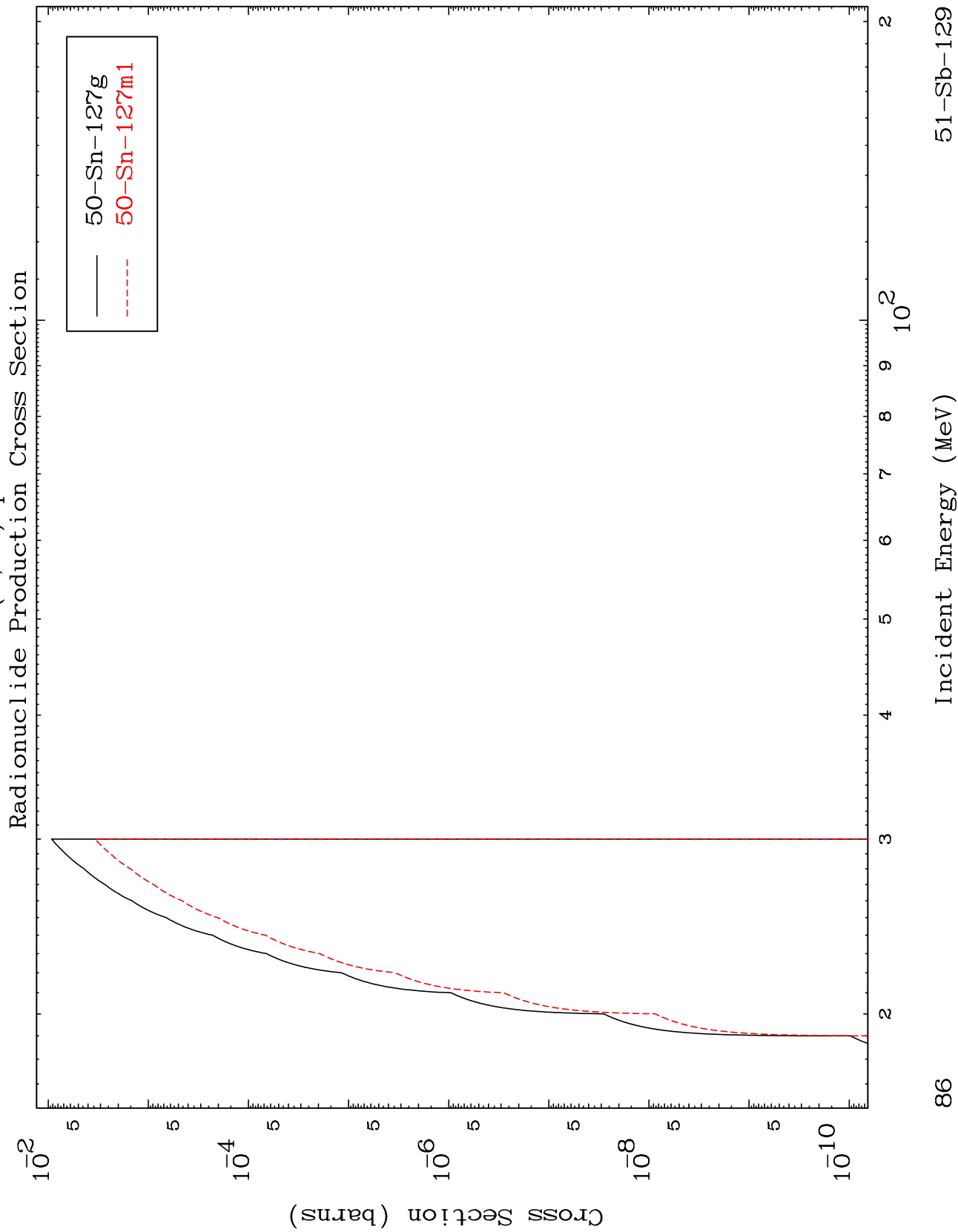
Radionuclide Production Cross Section



Radionuclide Production Cross Section



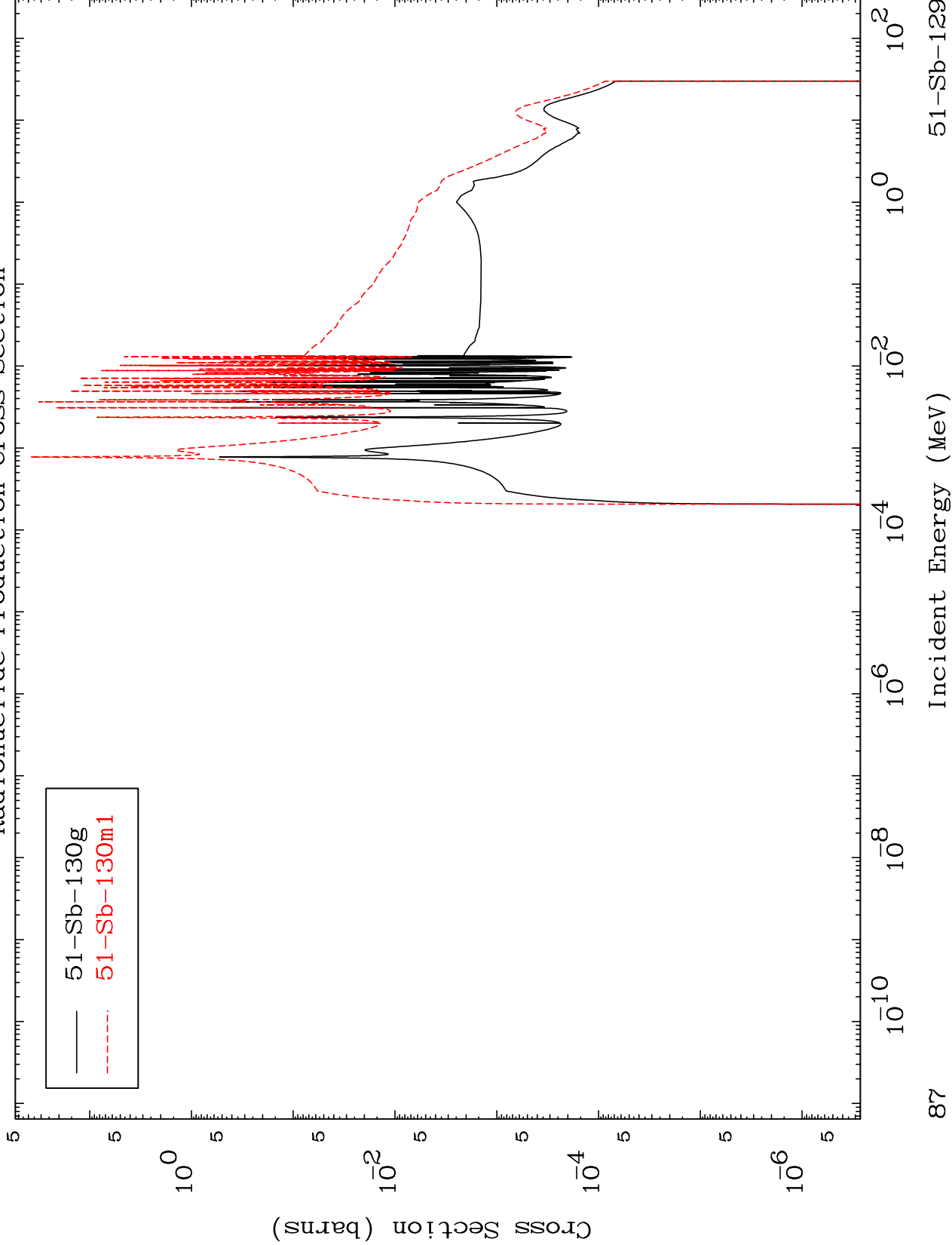
51-Sb-126g
51-Sb-126m1
51-Sb-126m2



MAT 5149

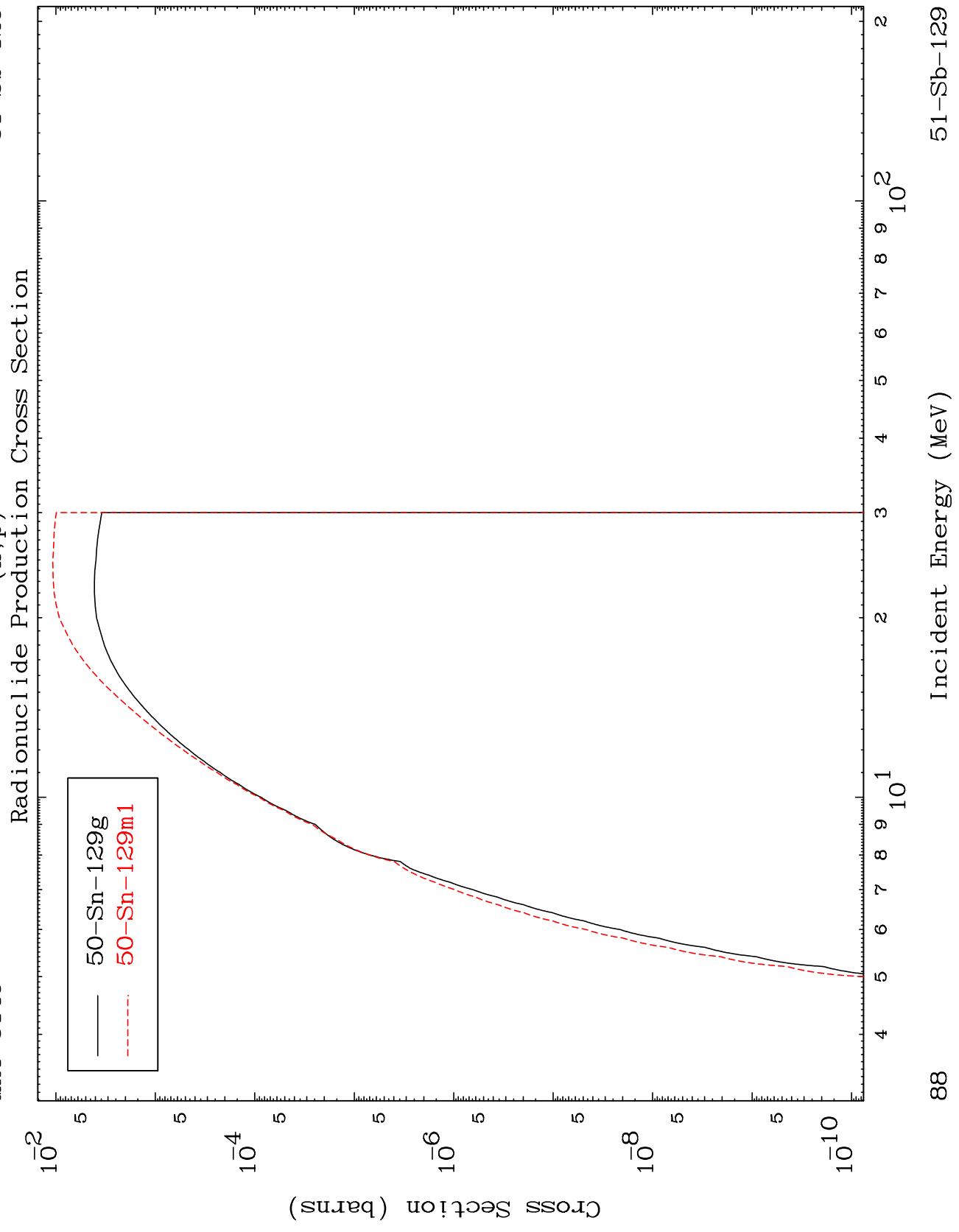
51-Sb-129

Radionuclide Production Cross Section



MAT 5149

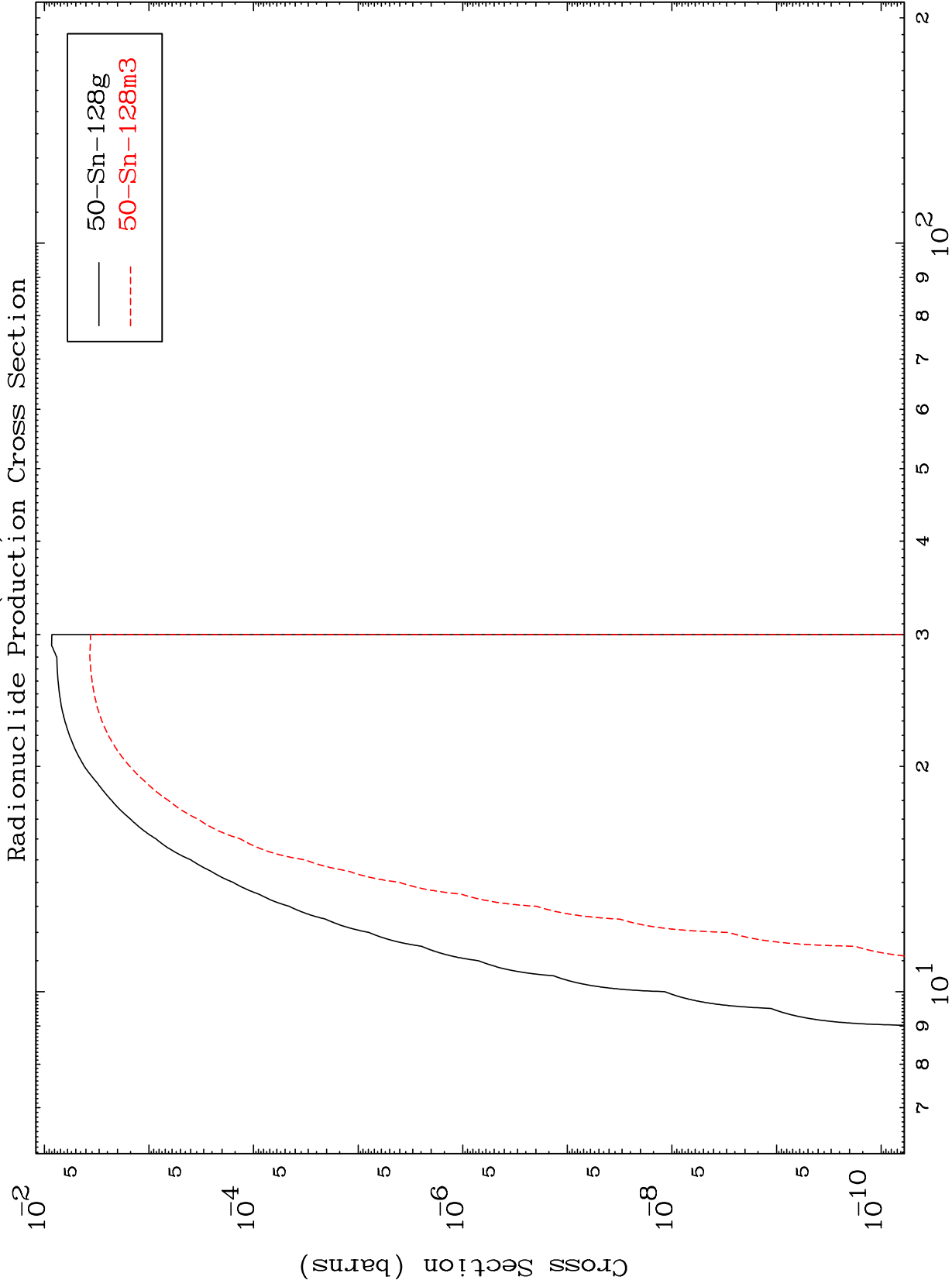
51-Sb-129



MAT 5149

(n,d)

51-Sb-129



89

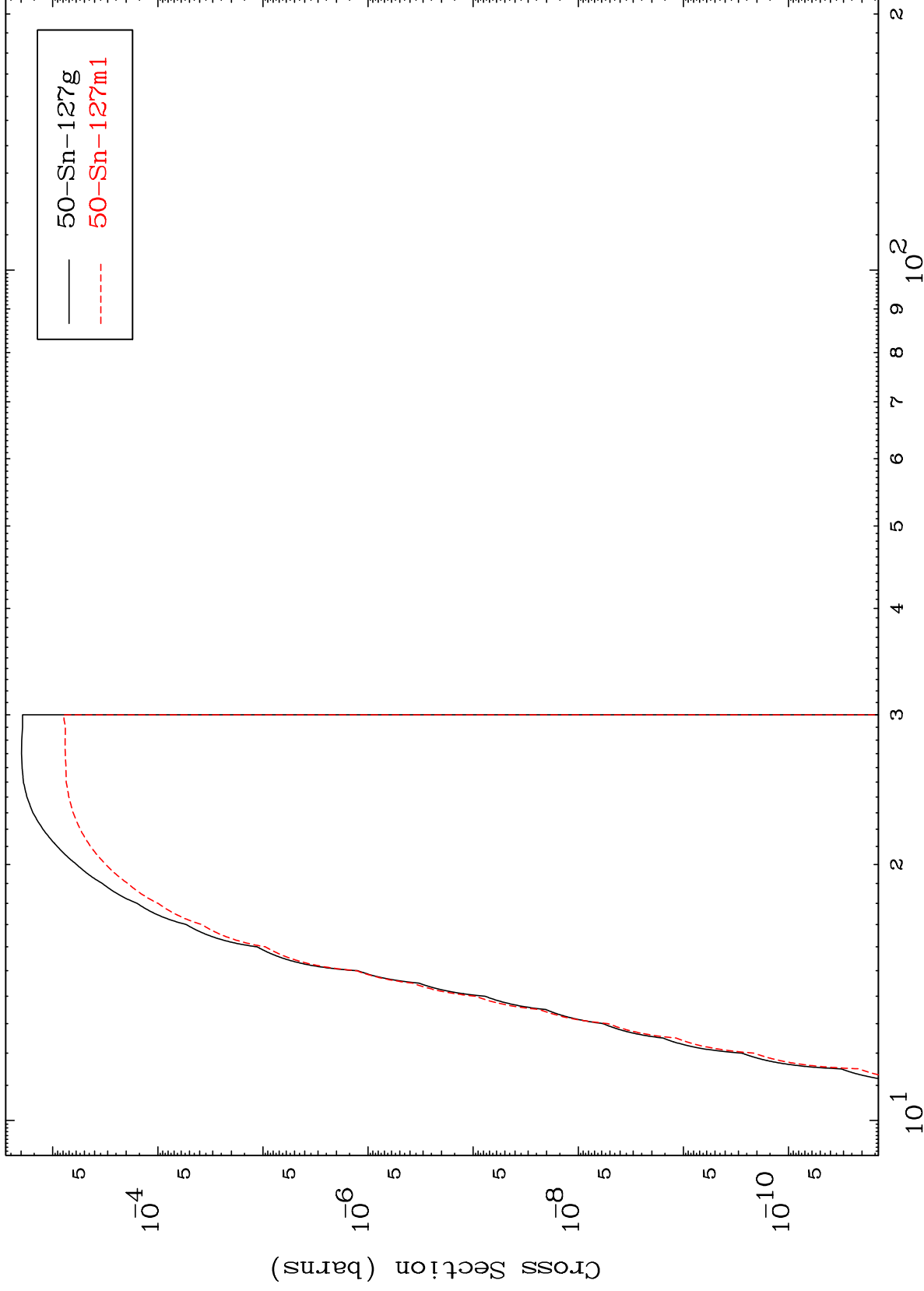
Incident Energy (MeV)

51-Sb-129

MAT 5149

51-Sb-129

(n,t)
Radionuclide Production Cross Section

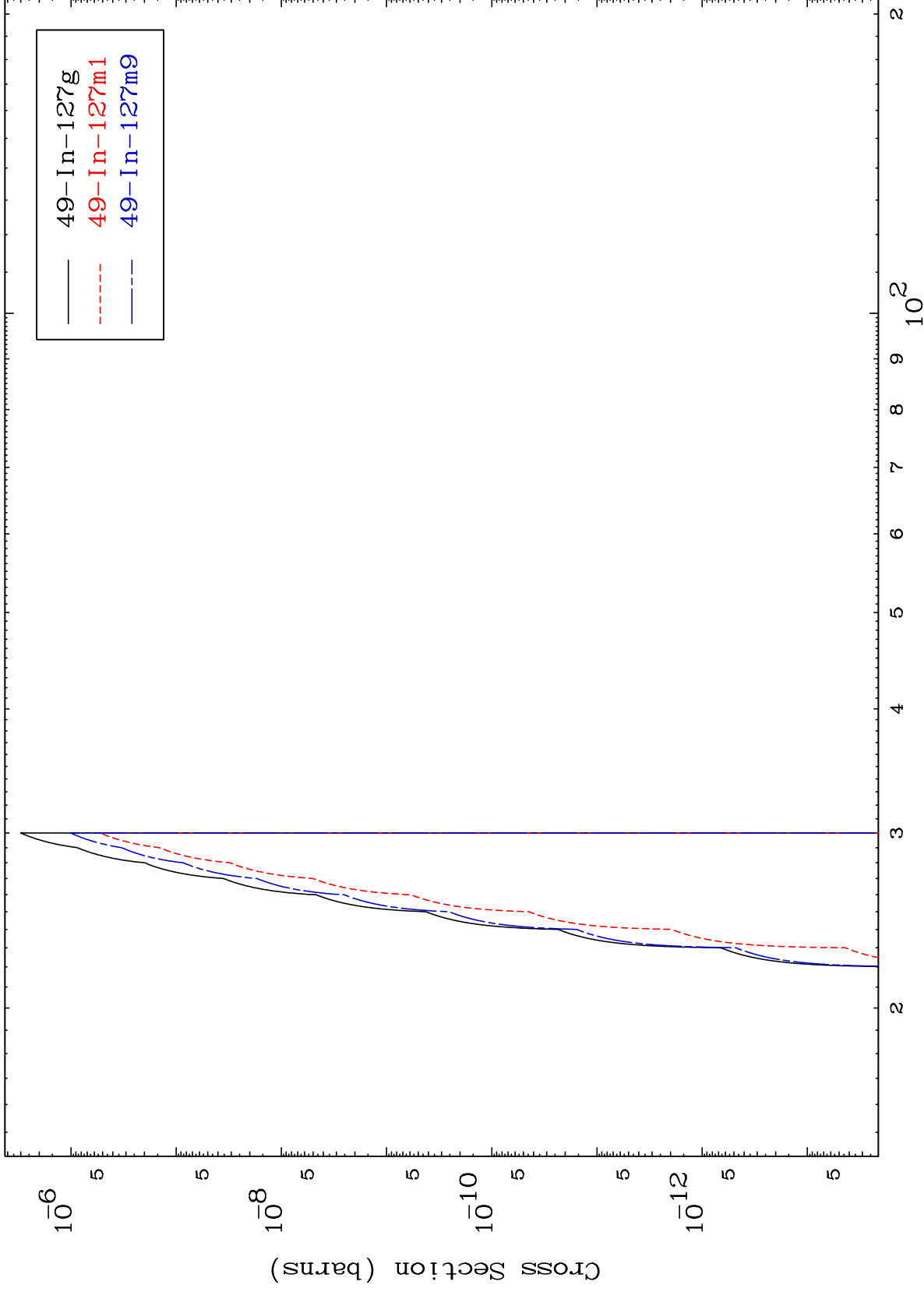


51-Sb-129

Incident Energy (MeV)

90

Radionuclide Production Cross Section

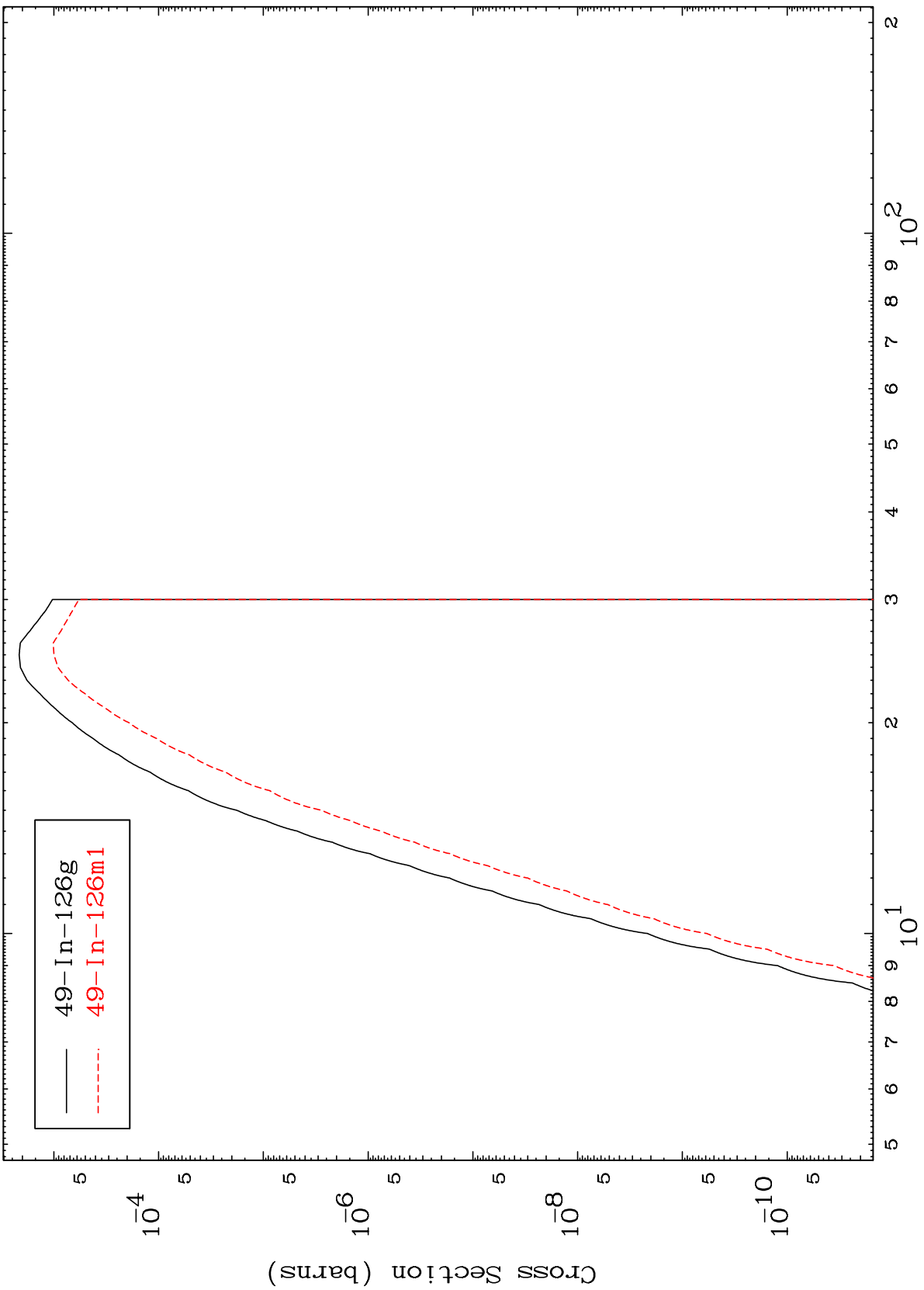


49-In-127g
49-In-127m1
49-In-127m9

MAT 5149

51-Sb-129

Radionuclide Production Cross Section (n,α)



— 49-In-126g
- - - 49-In-126m1

92

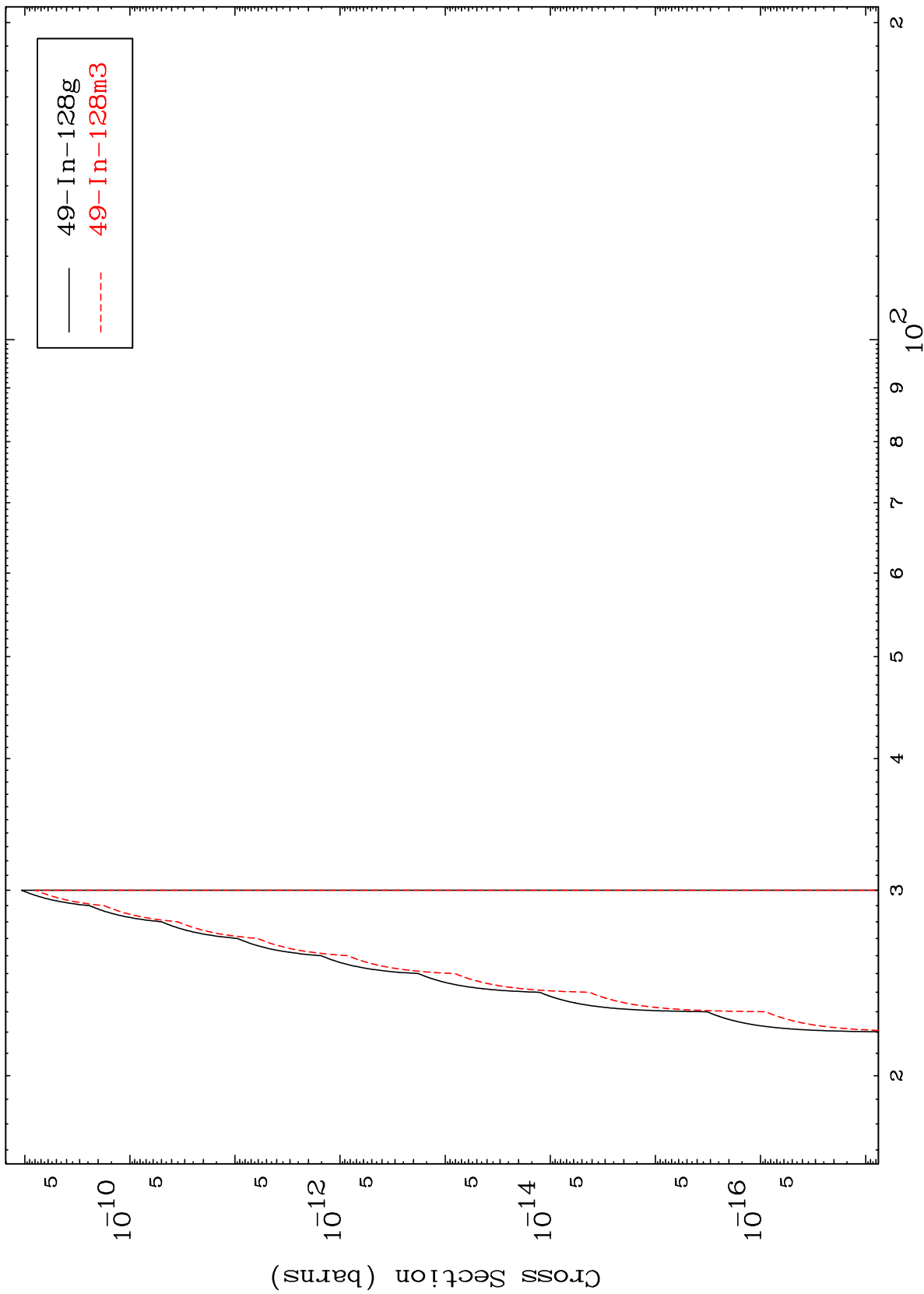
Incident Energy (MeV)

51-Sb-129

MAT 5149

51-Sb-129

(n,2p)
Radionuclide Production Cross Section



93

51-Sb-129