

Program EVALPLOT
(Version 2021-1)

by

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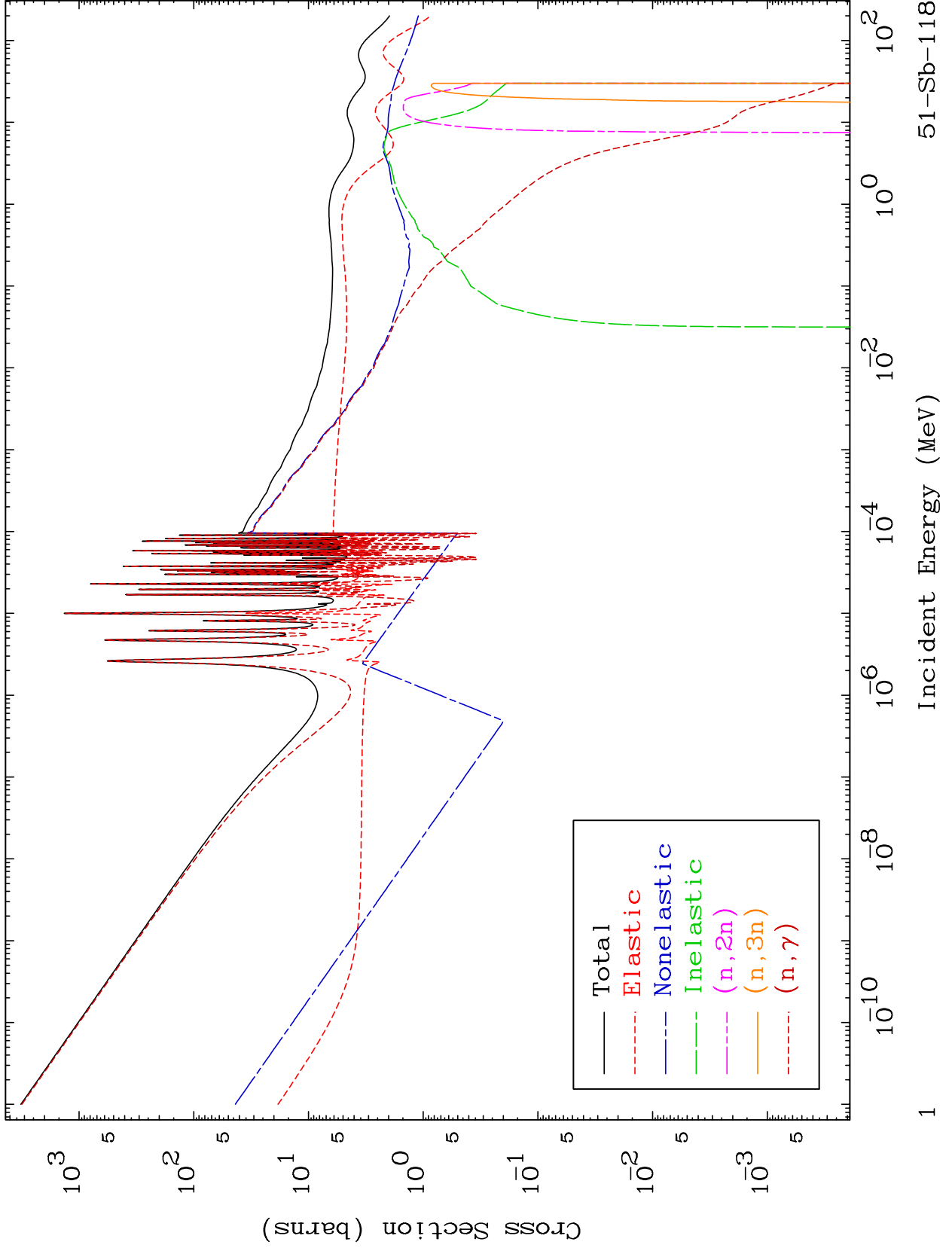
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 51116

Neutron Major
293 Kelvin Cross Sections

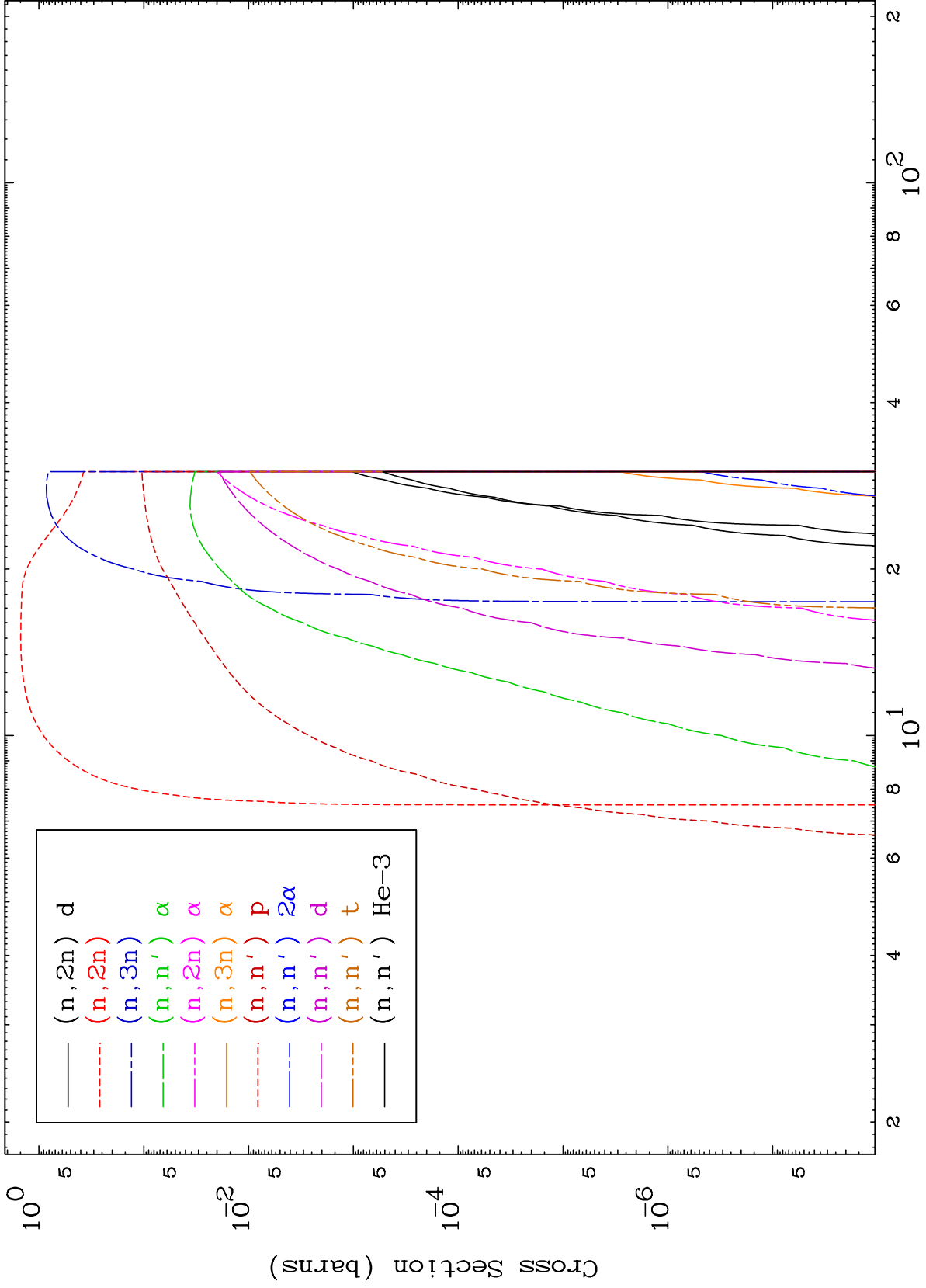
51-Sb-118



MAT 5116

Neutron Absorption
293 Kelvin Cross Sections

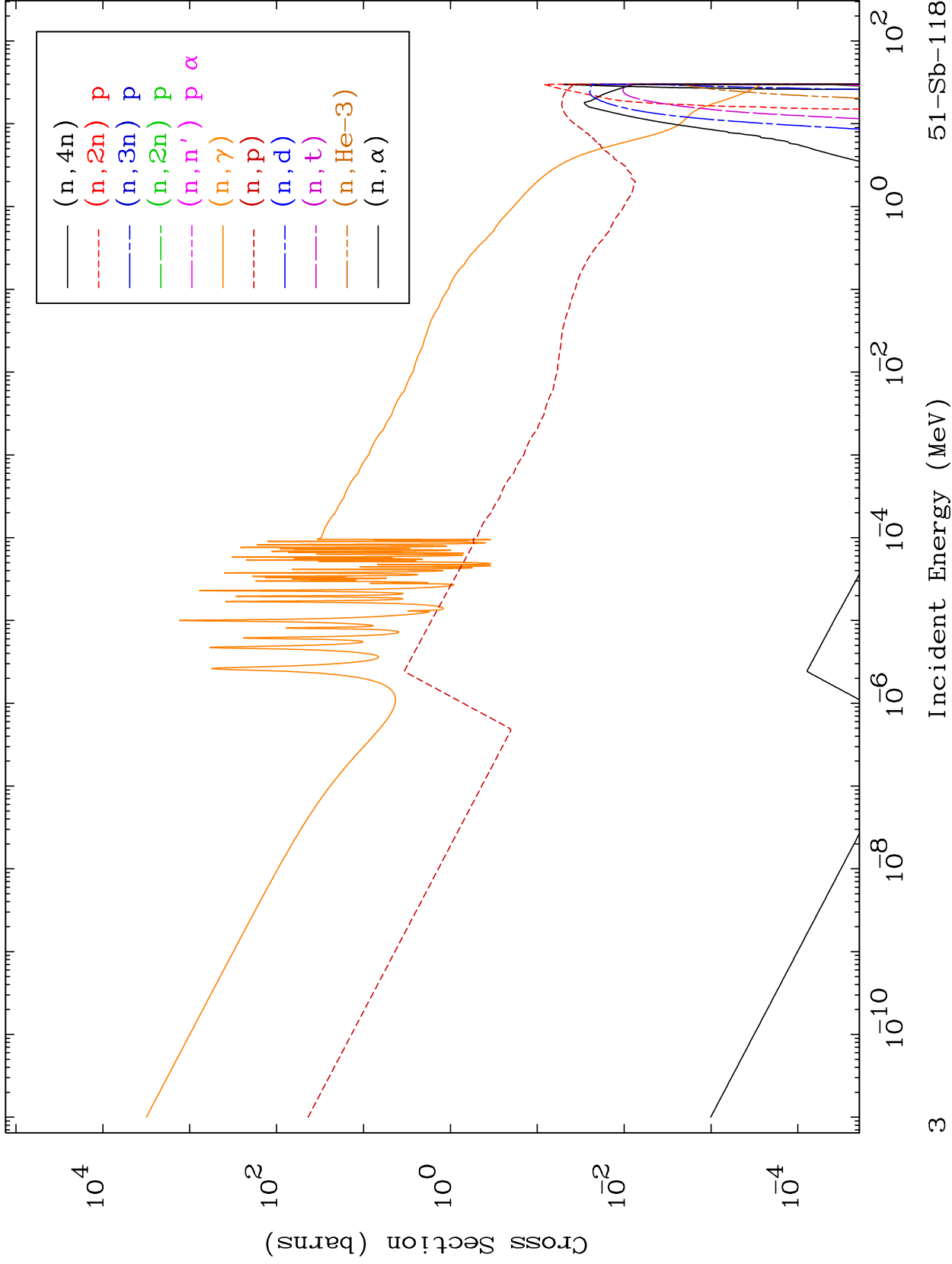
51-Sb-118



2

Incident Energy (MeV)

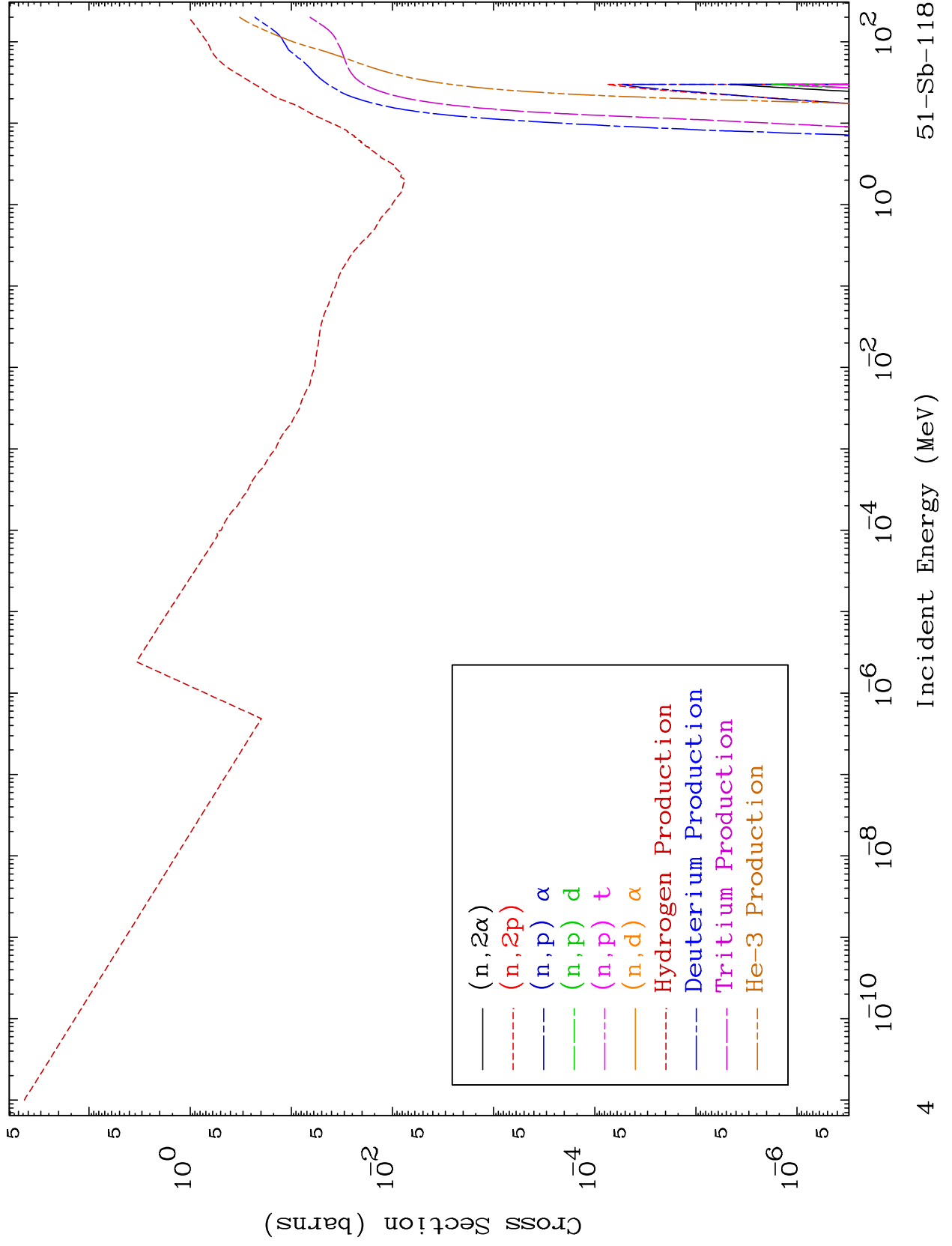
51-Sb-118



MAT 5116

Neutron Absorption
293 Kelvin Cross Sections

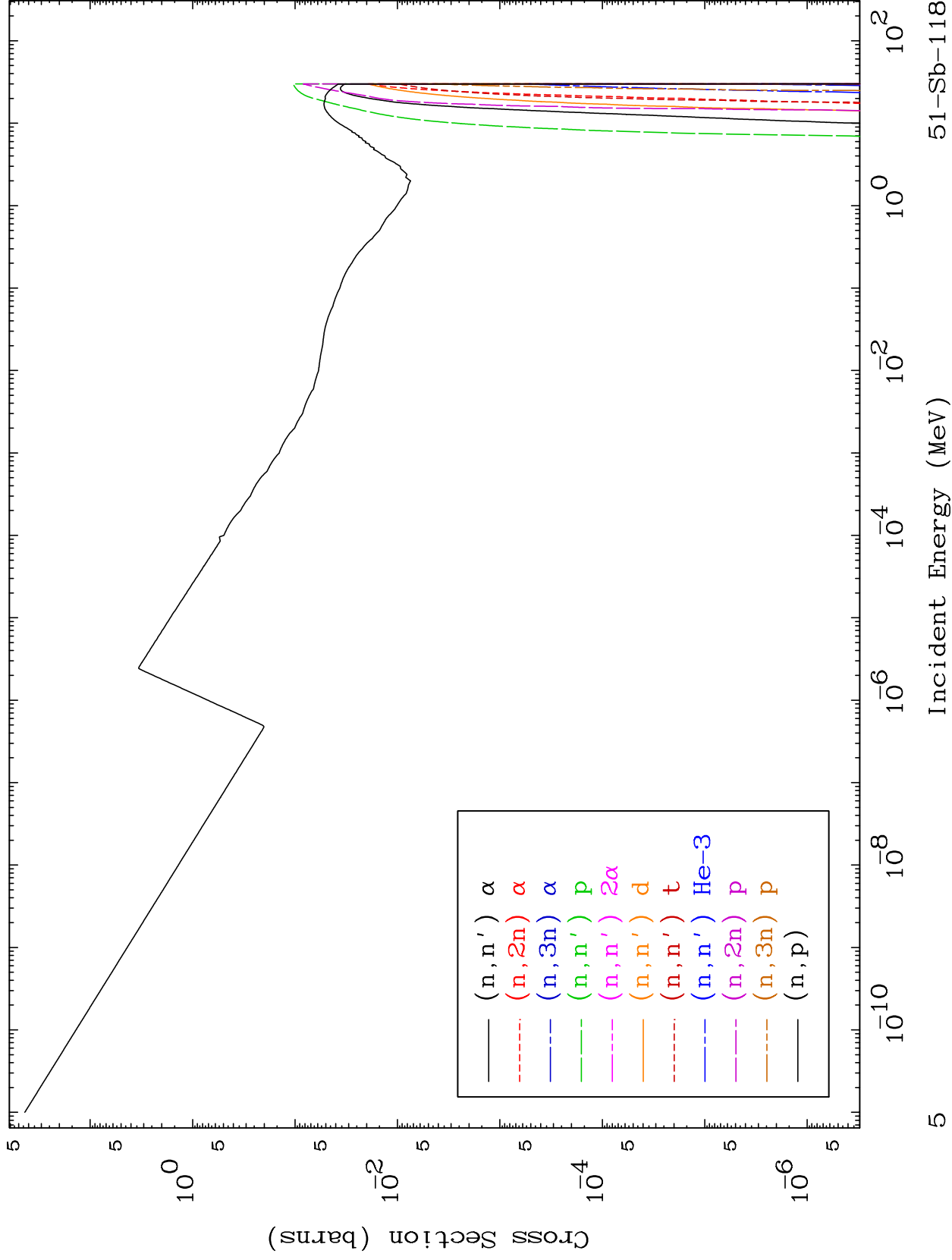
51-Sb-118



MAT 5116

Charged Particle
293 Kelvin Cross Sections

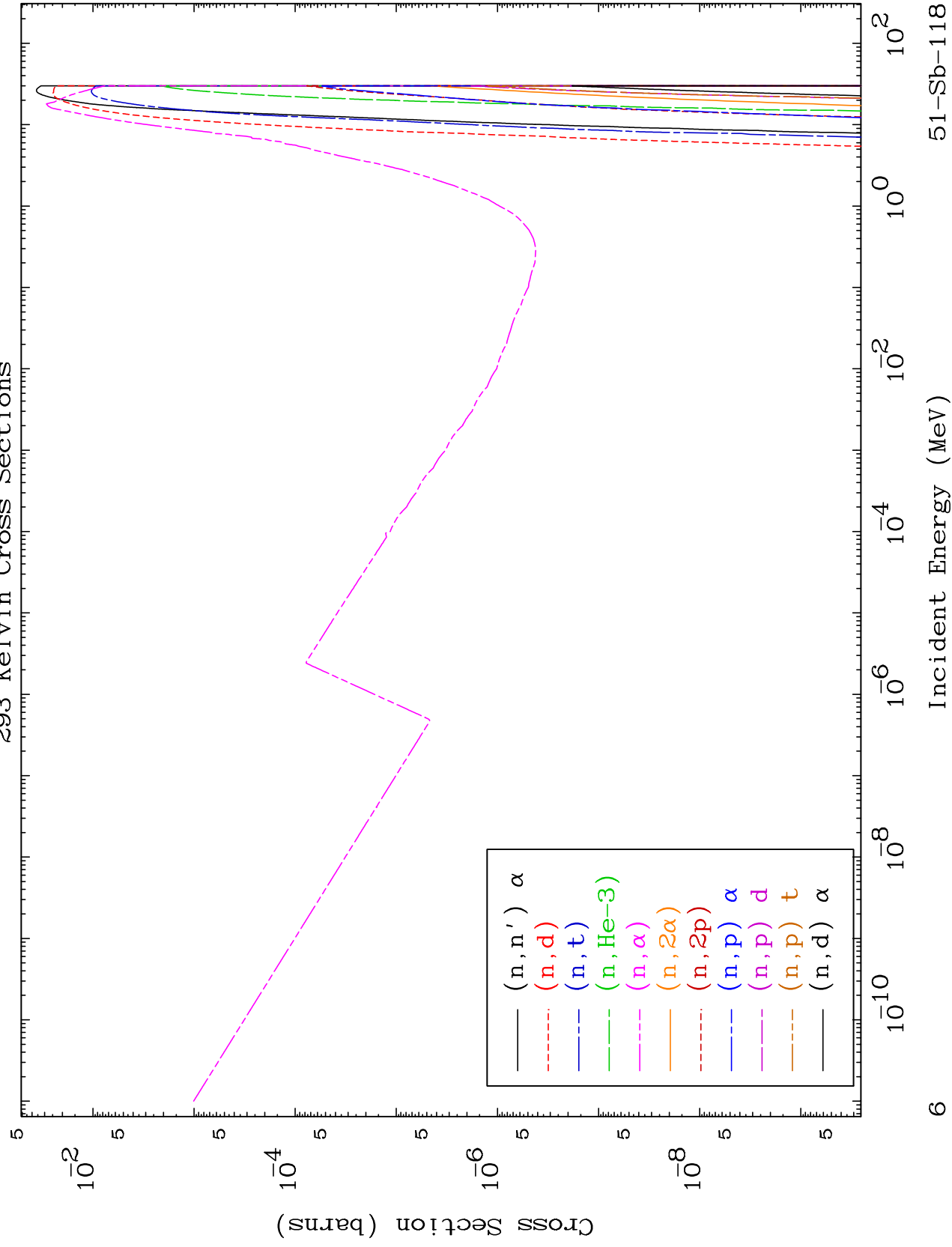
51-Sb-118



MAT 5116

Charged Particle
293 Kelvin Cross Sections

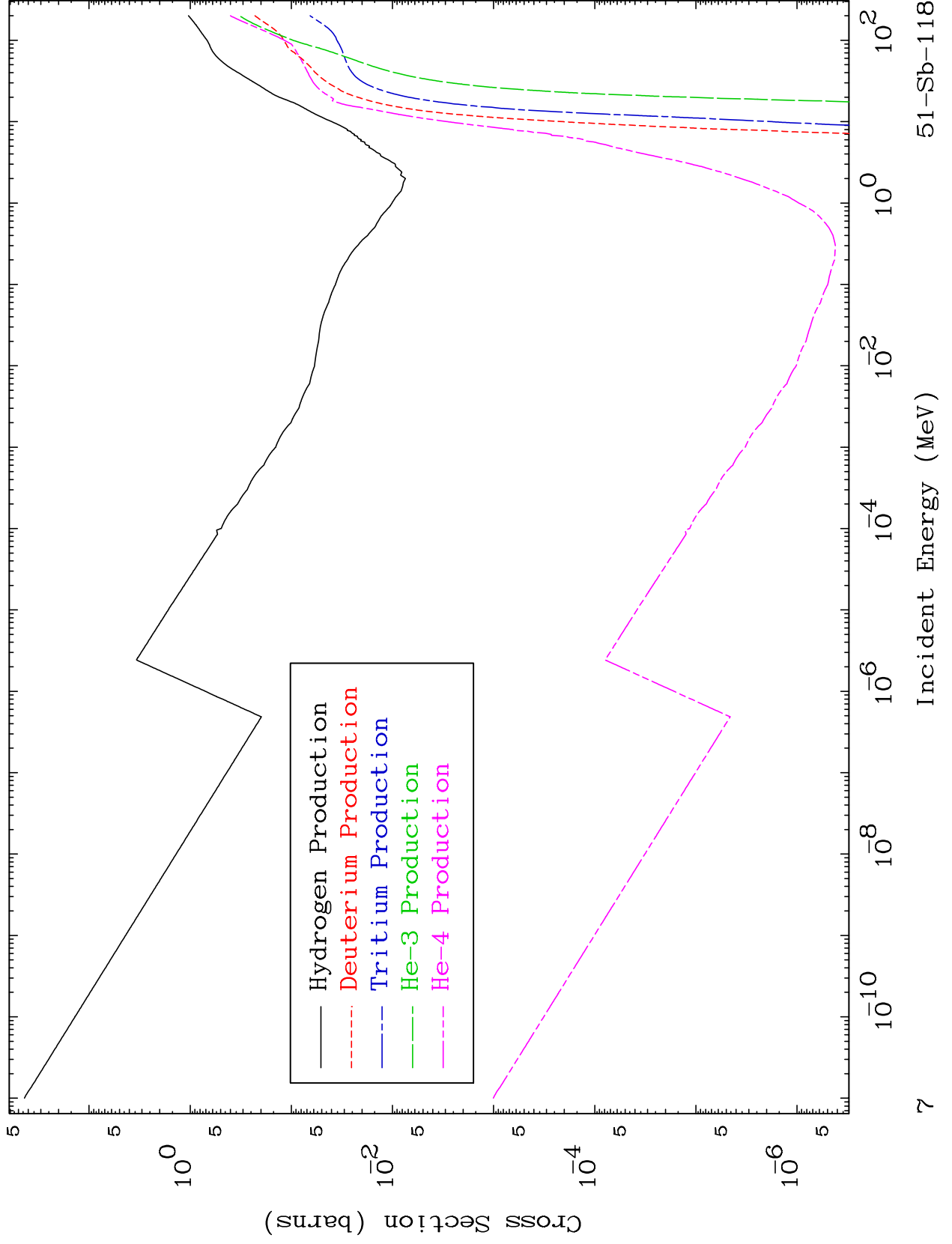
51-Sb-118



MAT 5116

Particle Production
293 Kelvin Cross Sections

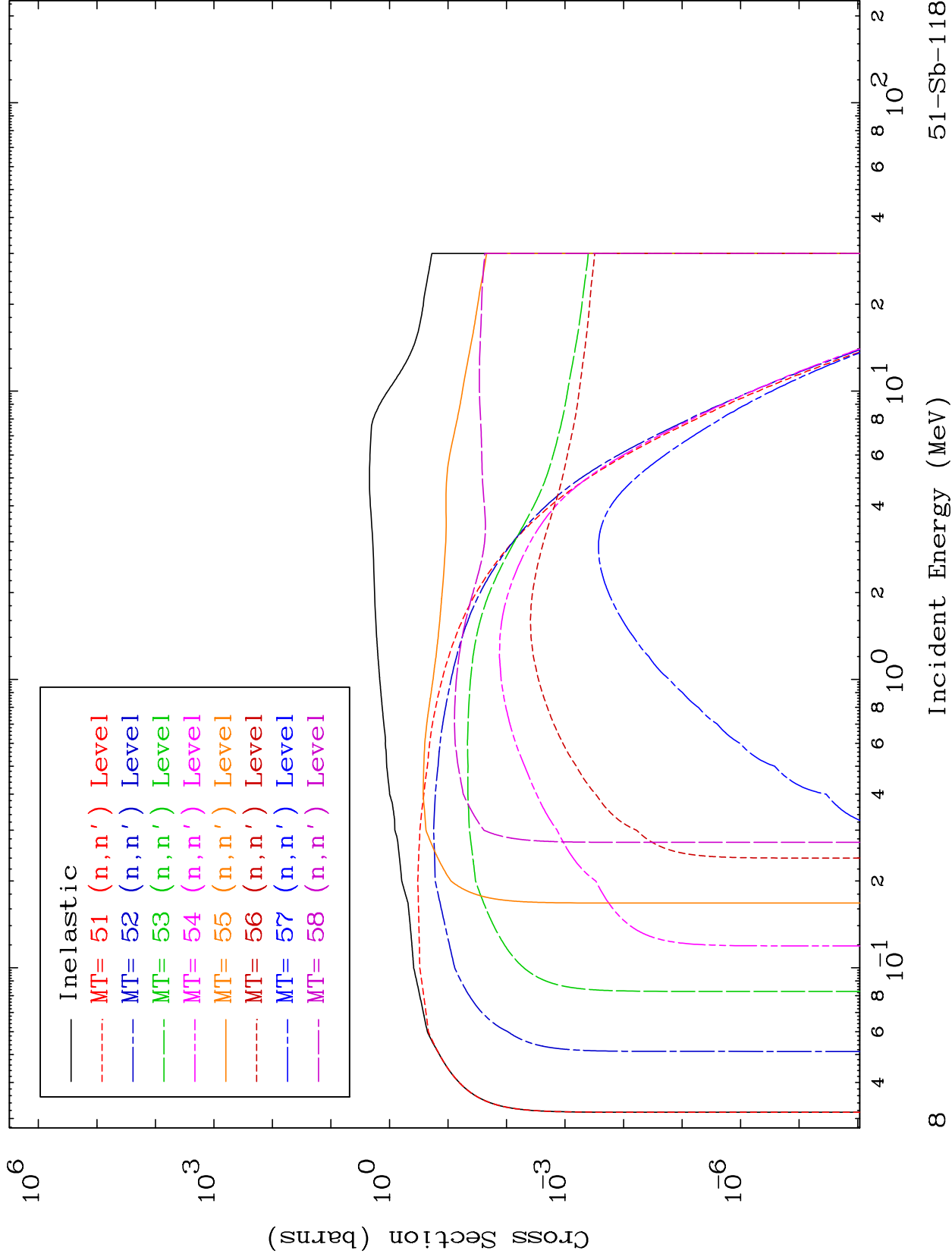
51-Sb-118



MAT 5116

(n,n') Levels
293 Kelvin Cross Sections

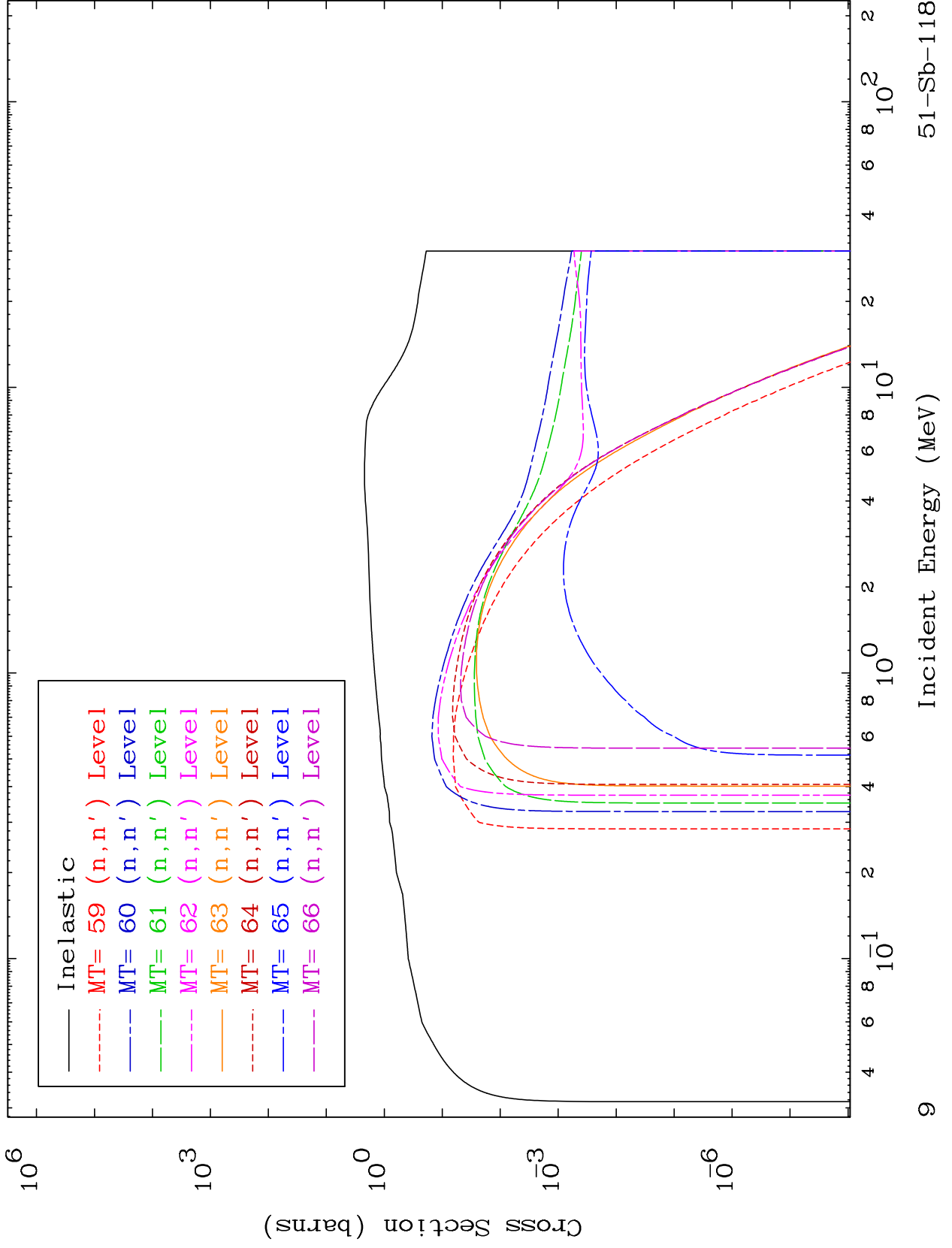
51-Sb-118



MAT 5116

(n,n') Levels
293 Kelvin Cross Sections

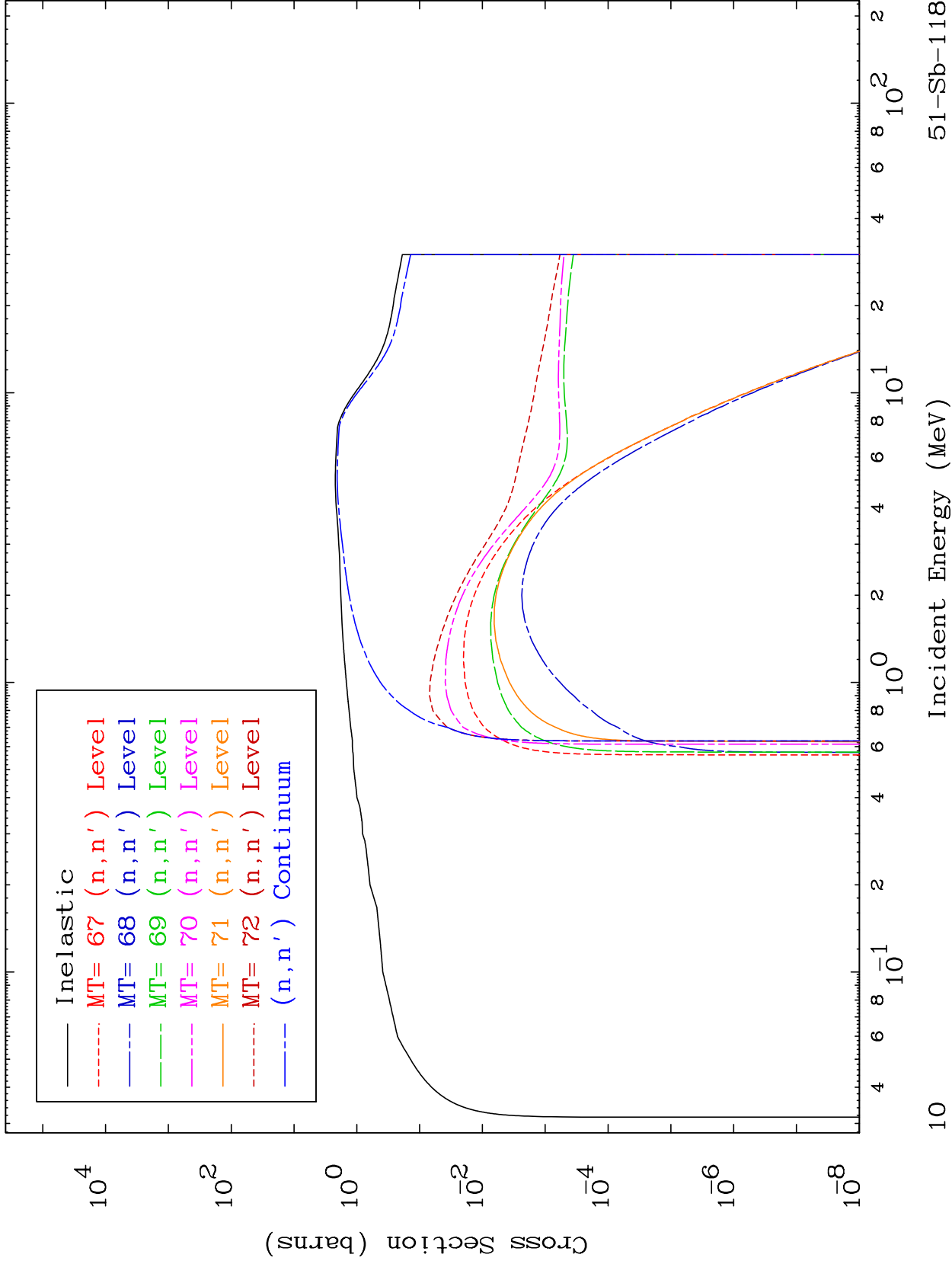
51-Sb-118



MAT 5116

(n,n') Levels
293 Kelvin Cross Sections

51-Sb-118

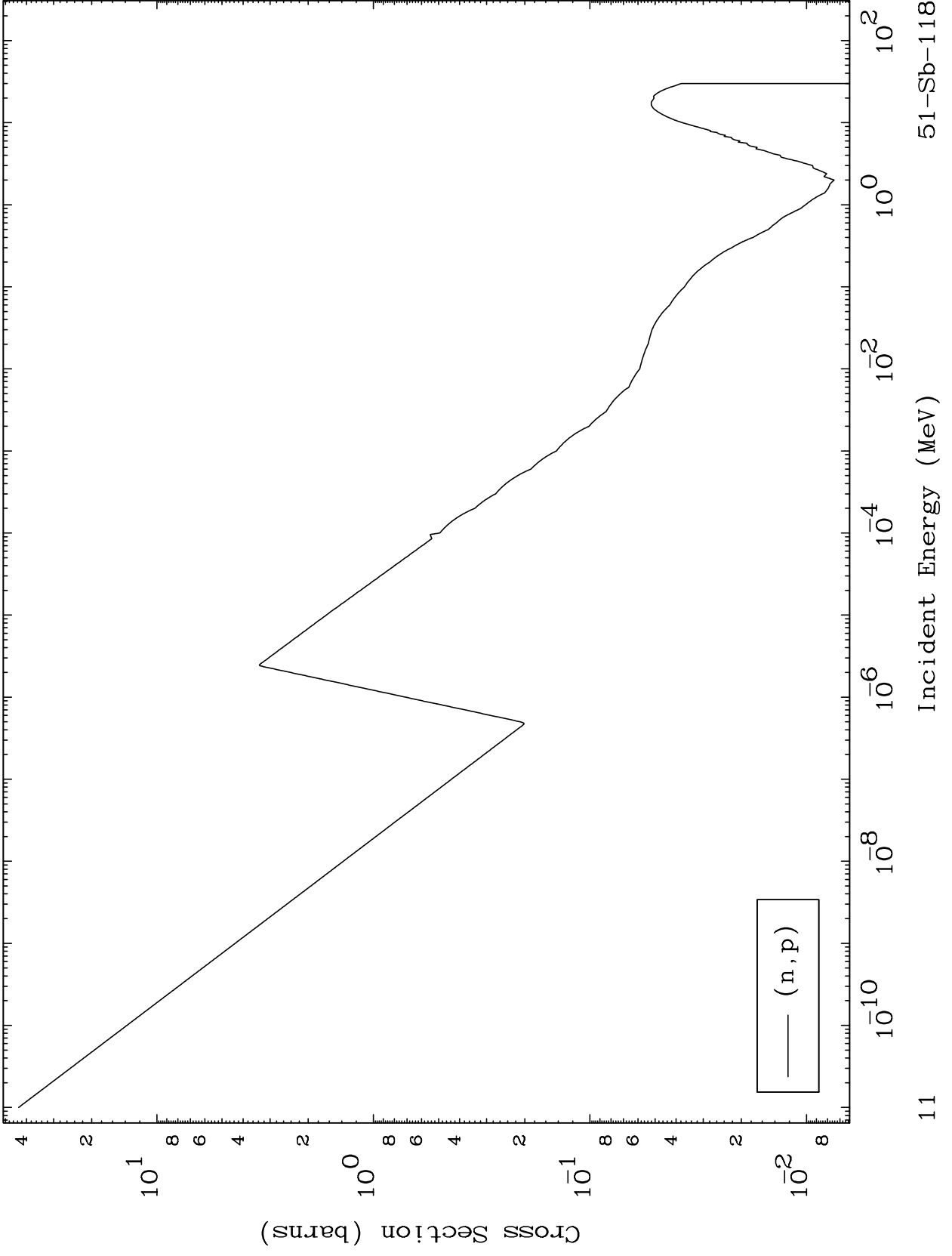


10

MAT 5116

(n,p) Levels
293 Kelvin Cross Sections

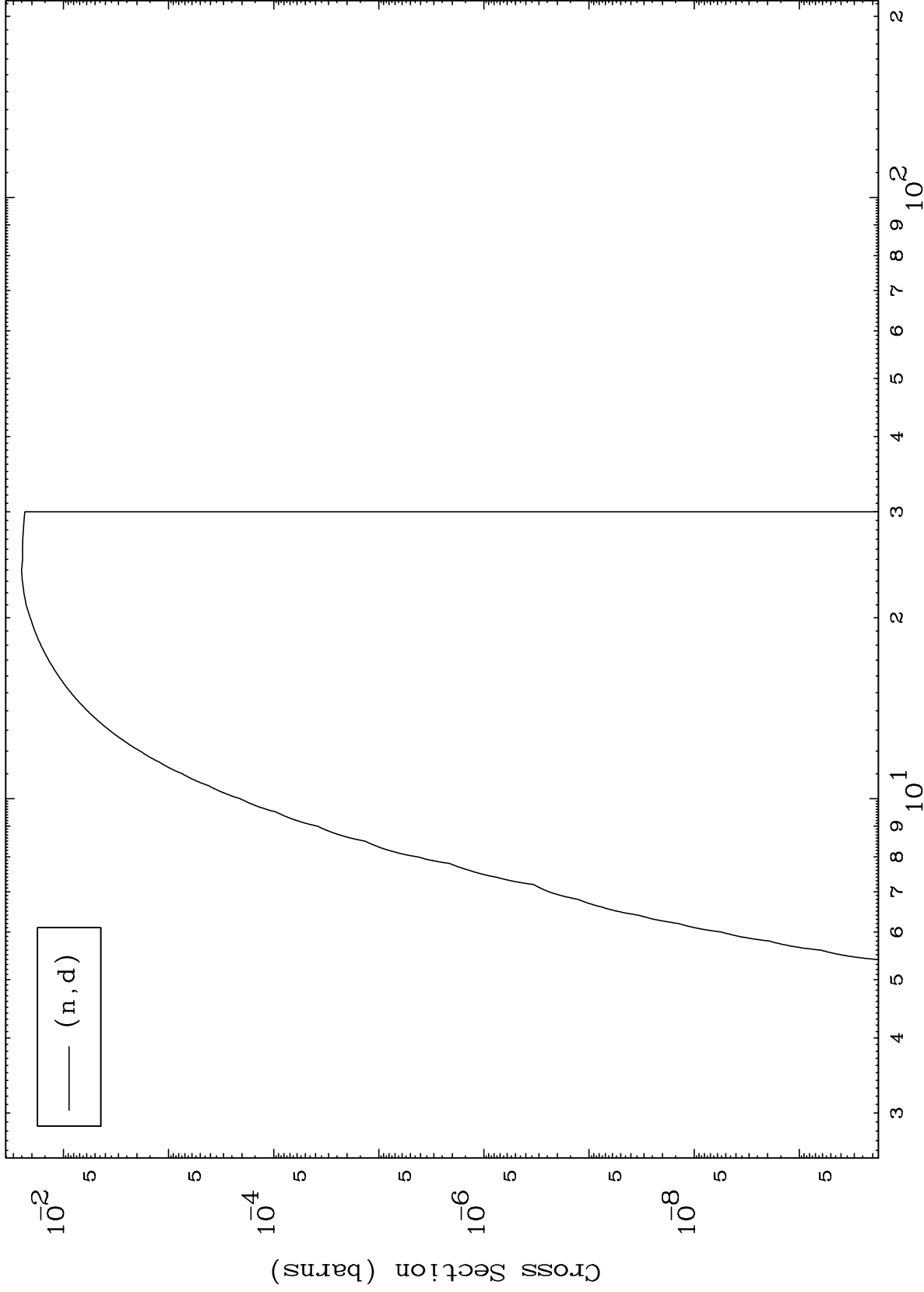
51-Sb-118



MAT 51116

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-118



12

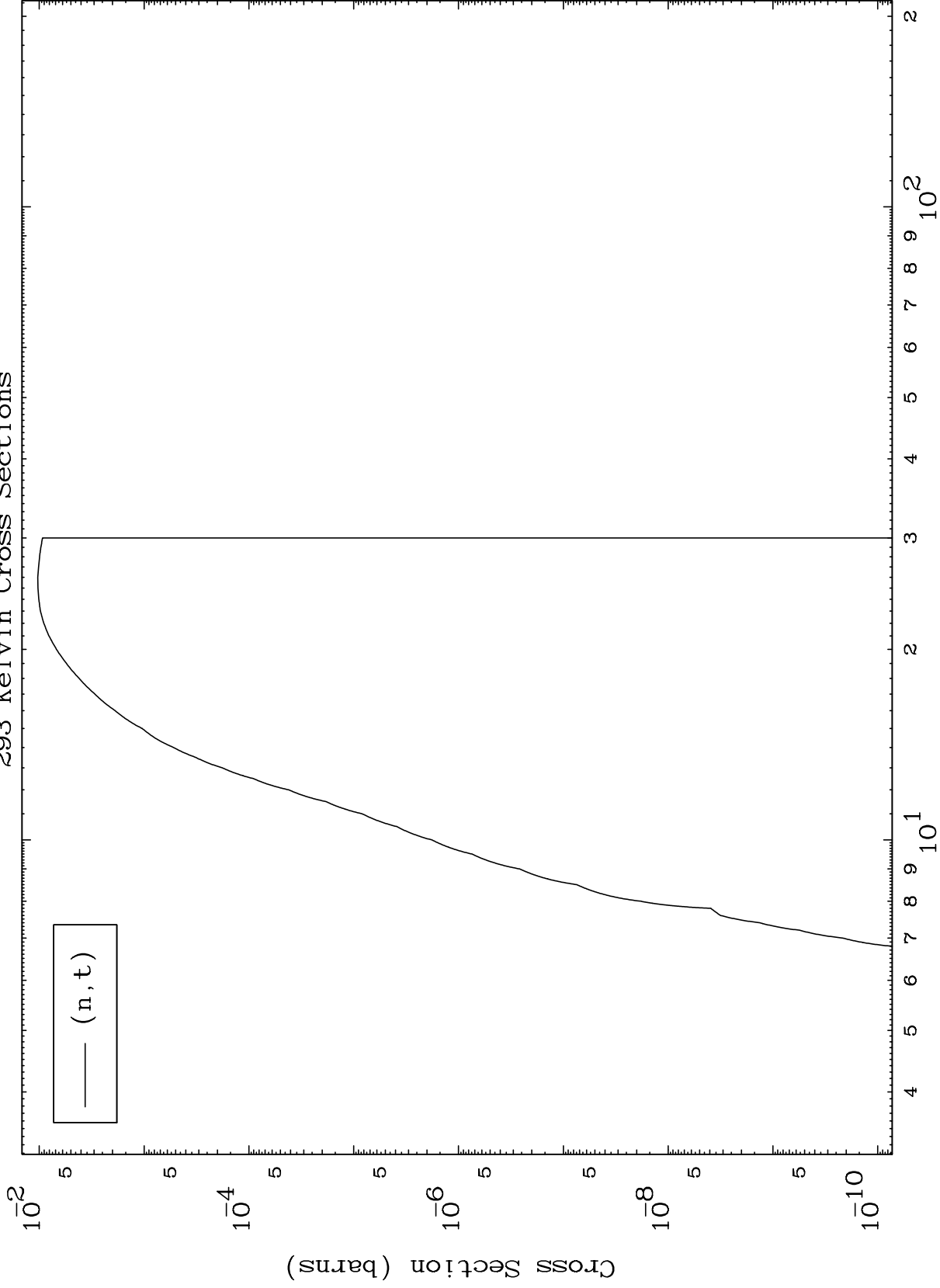
Incident Energy (MeV)

51-Sb-118

MAT 51116

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-118



13

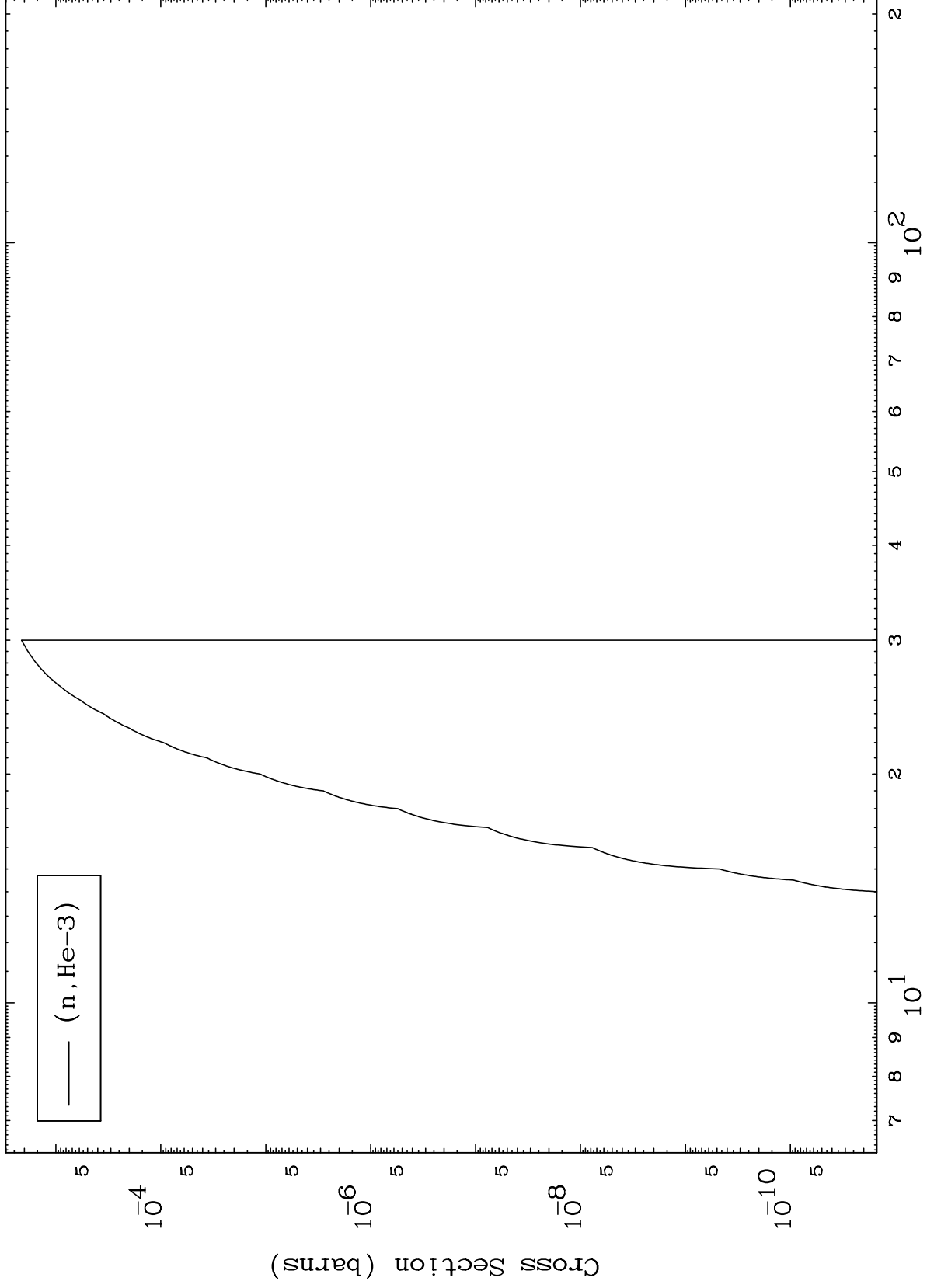
Incident Energy (MeV)

51-Sb-118

MAT 51116

(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-118



14

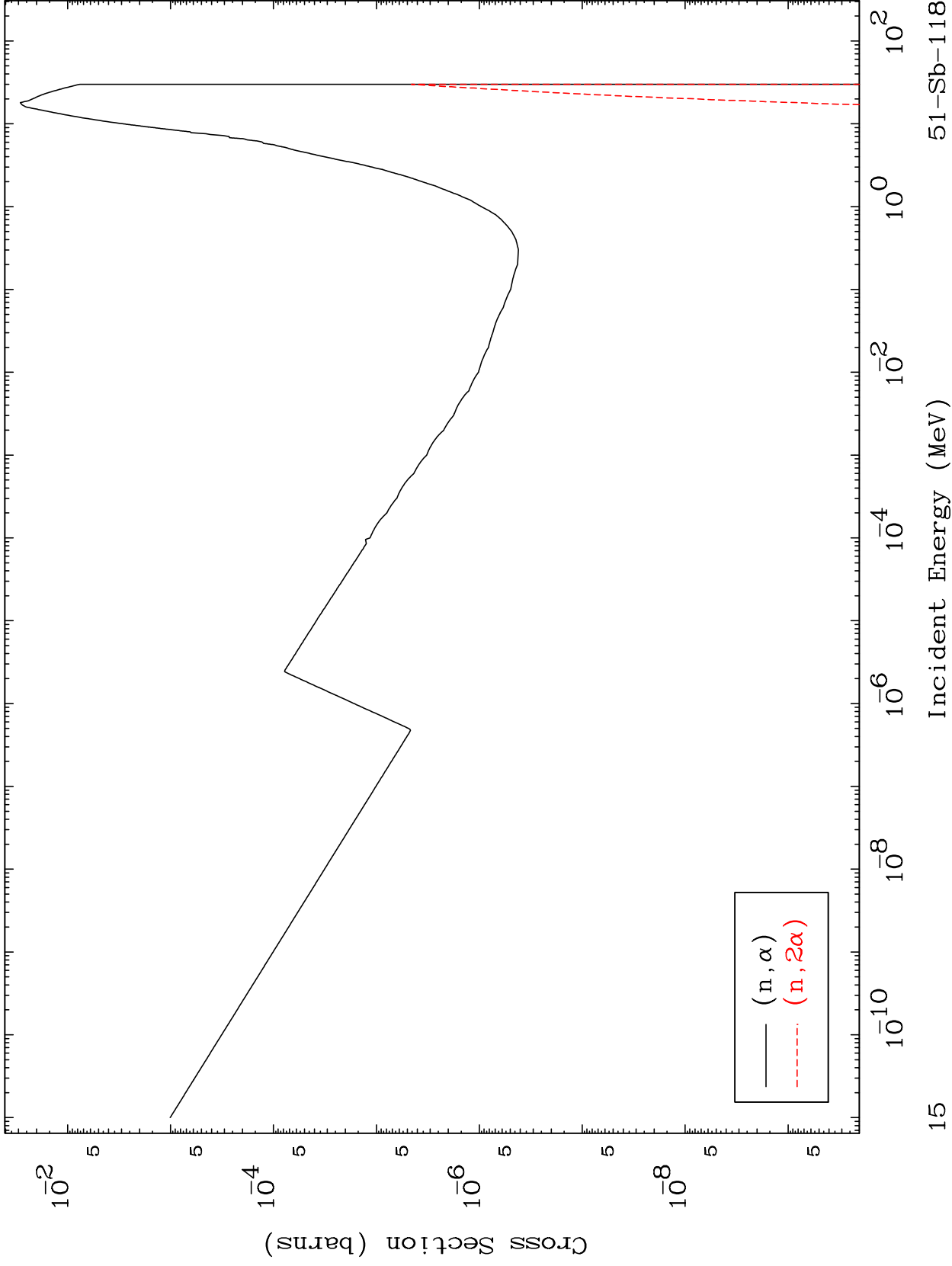
Incident Energy (MeV)

51-Sb-118

MAT 51116

(n,α) Levels
293 Kelvin Cross Sections

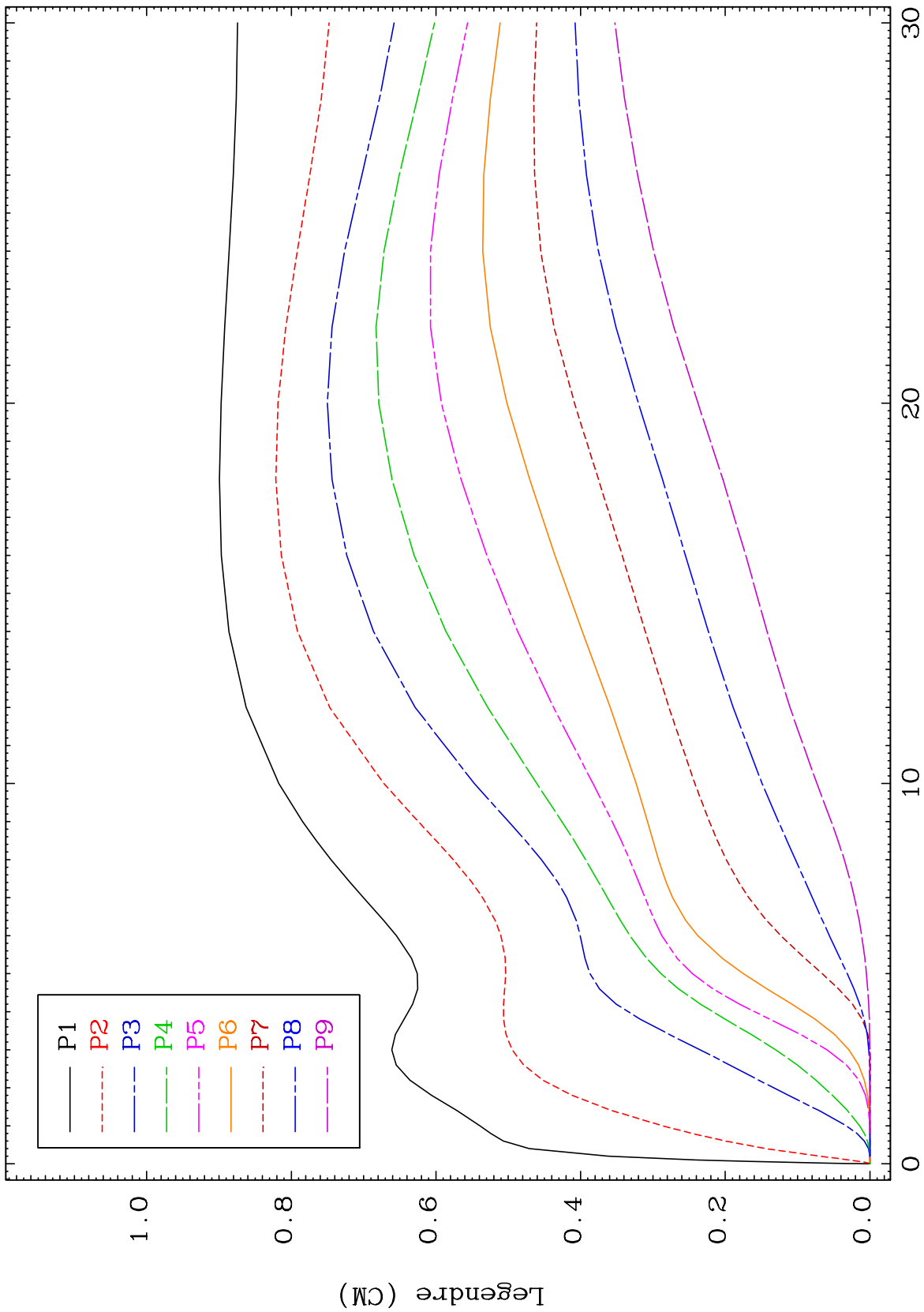
51-Sb-118



MAT 5116

Elastic Legendre Coefficients

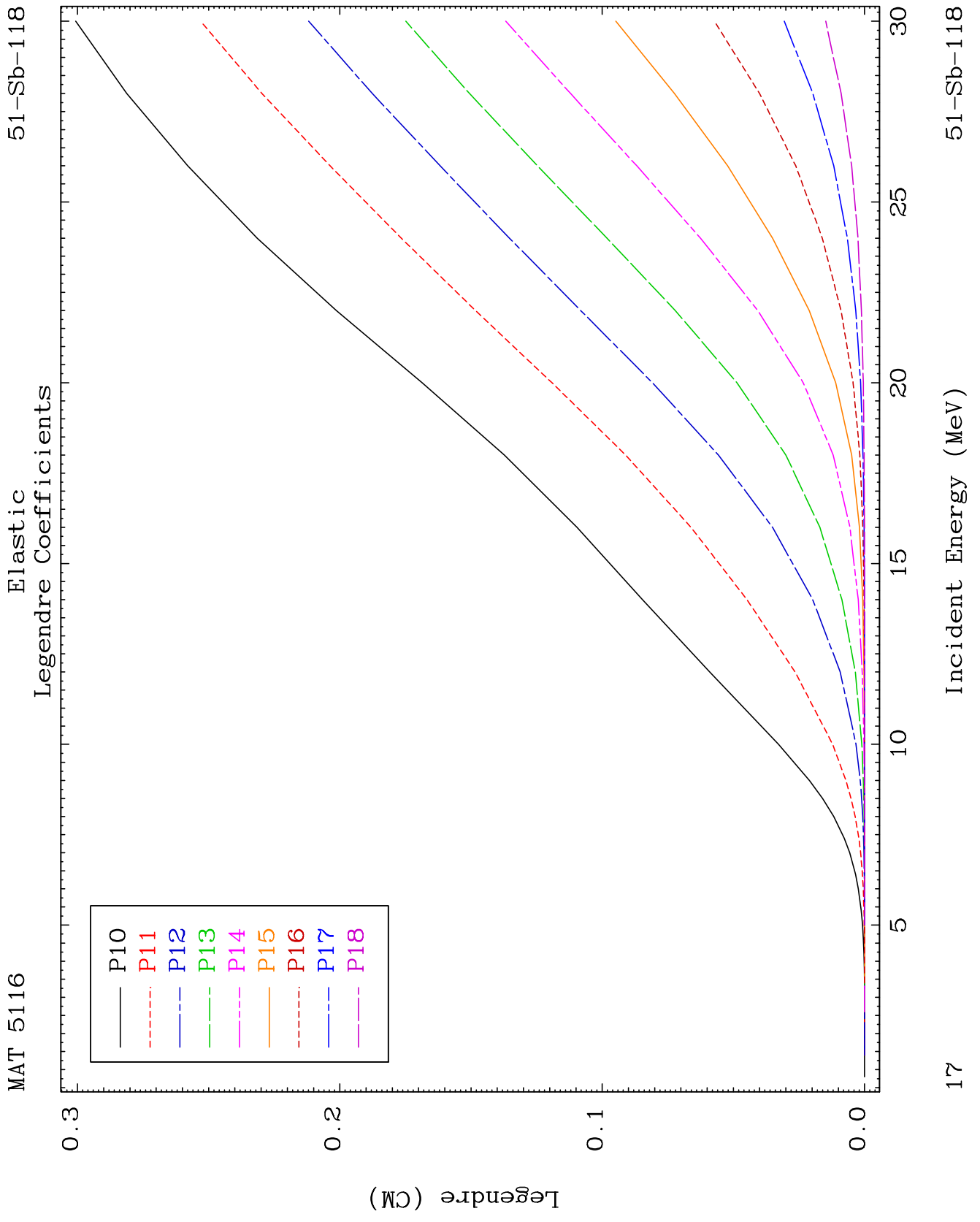
51-Sb-118



16

Incident Energy (MeV)

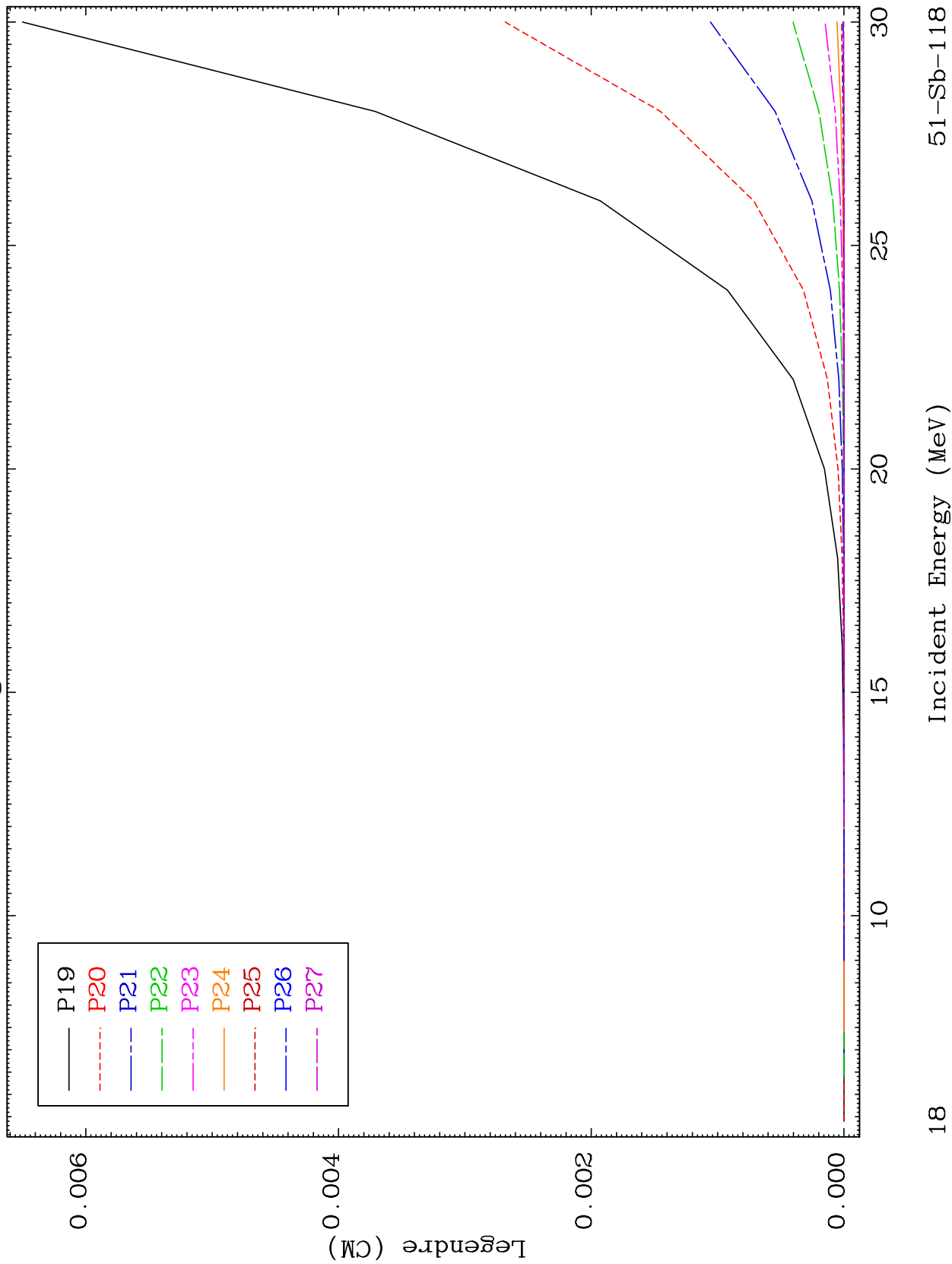
51-Sb-118



MAT 5116

Elastic Legendre Coefficients

51-Sb-118



18

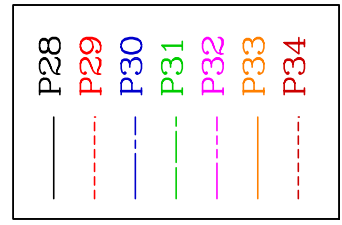
Incident Energy (MeV)

51-Sb-118

MAT 5116

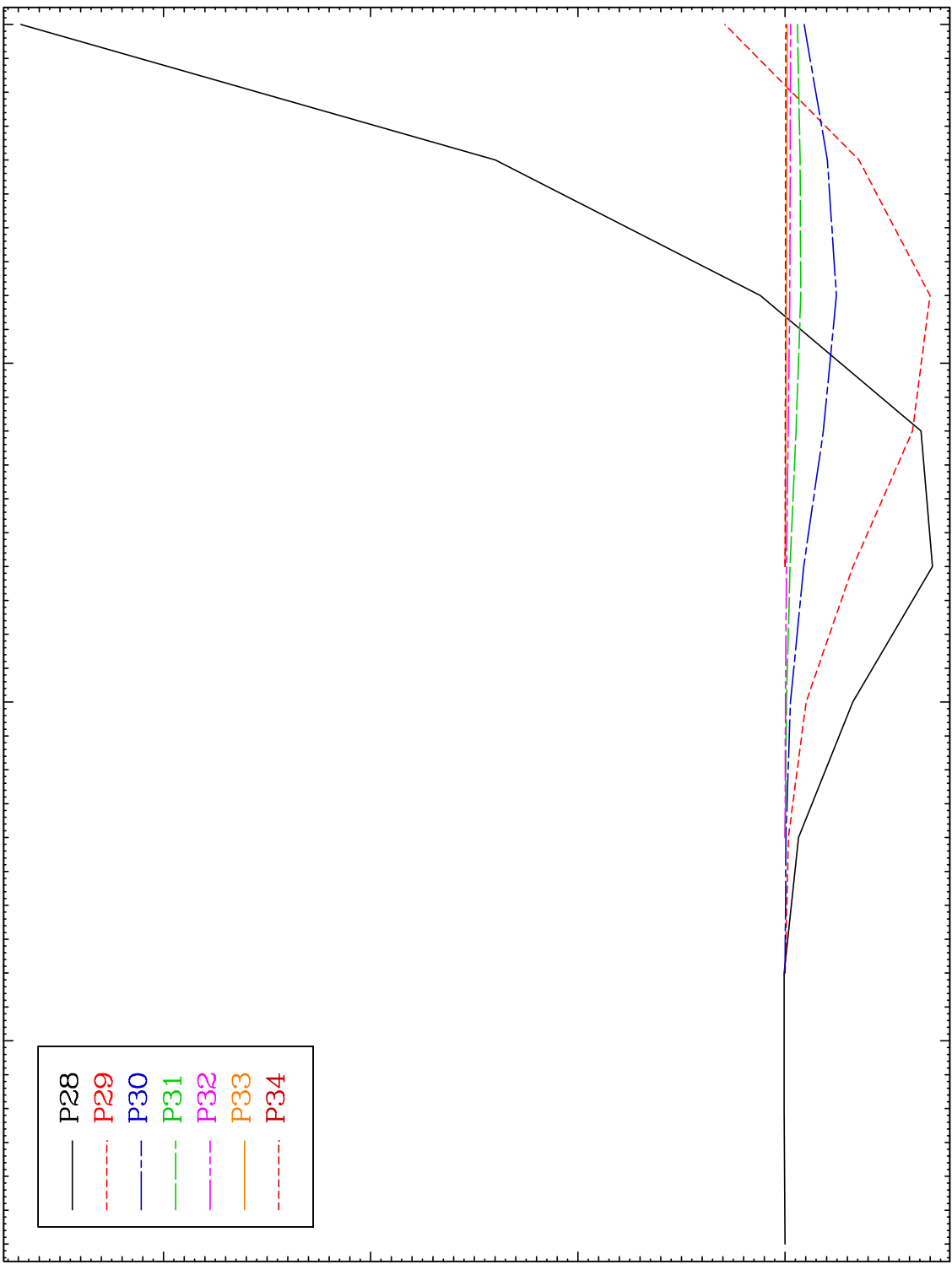
Elastic Legendre Coefficients

51-Sb-118



$\times 10^{-7}$

Legendre (CM)



15

20

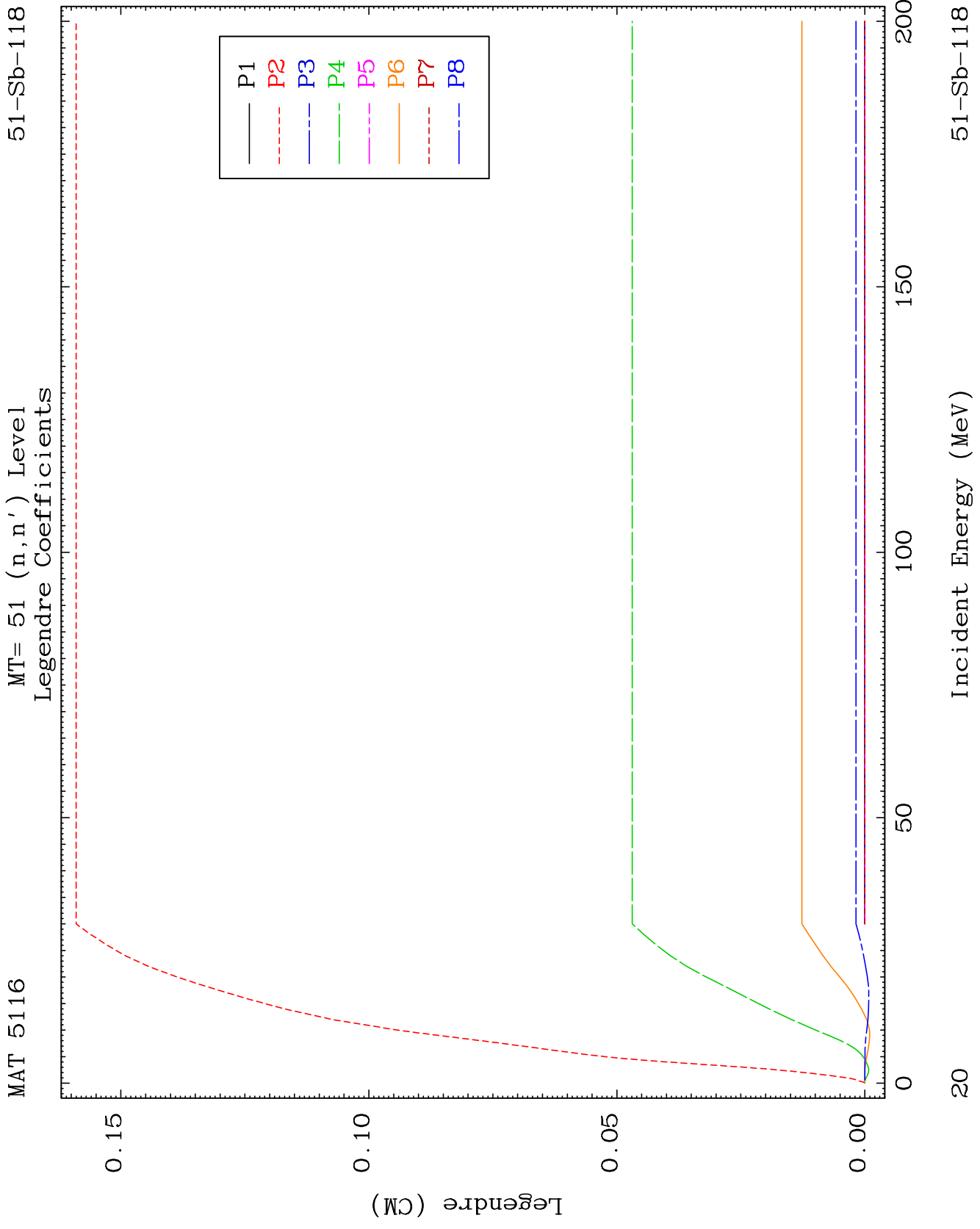
25

30

19

Incident Energy (MeV)

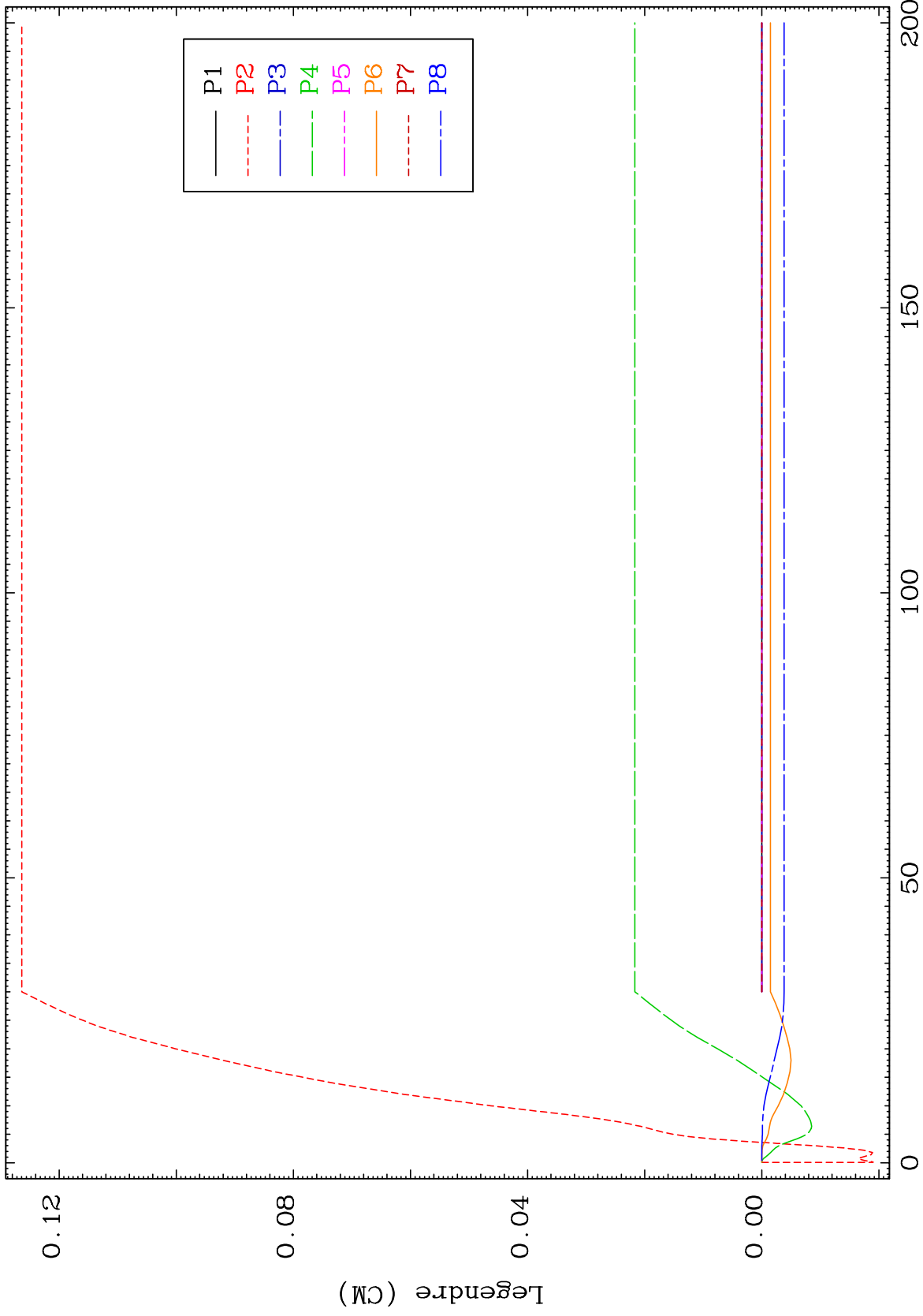
51-Sb-118



MAT 51116

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

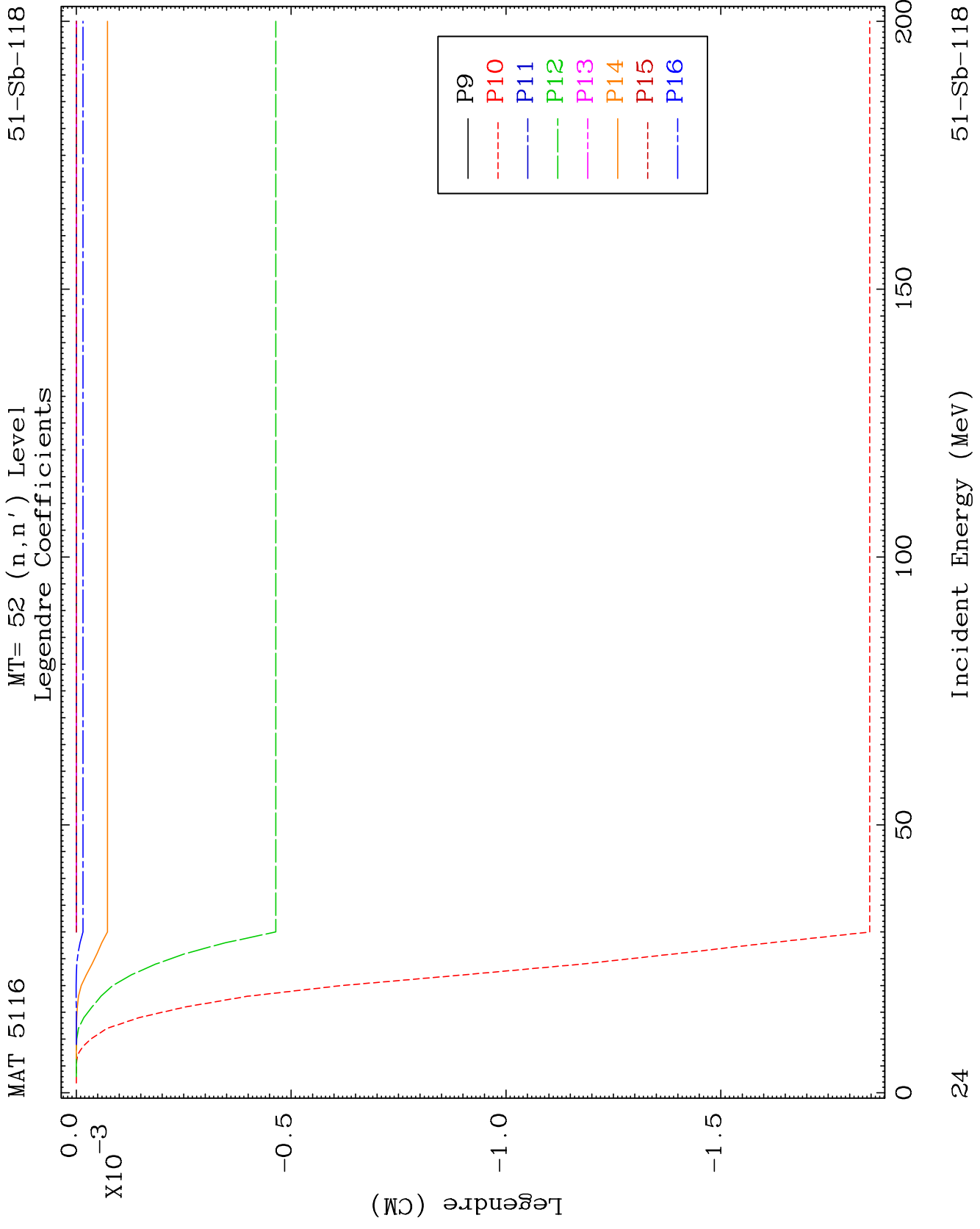
51-Sb-118



23

Incident Energy (MeV)

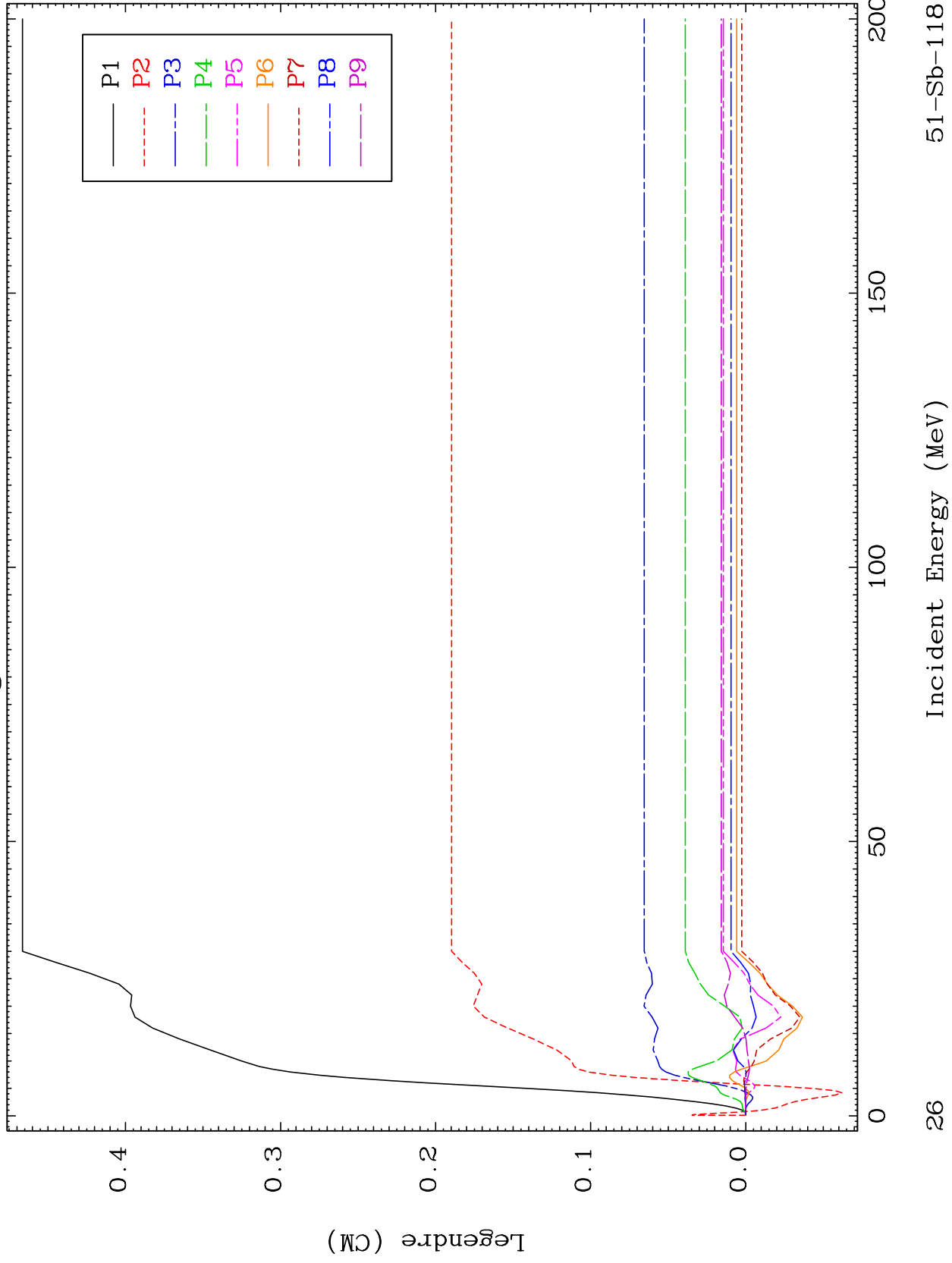
51-Sb-118



MAT 5116

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

51-Sb-118



51-Sb-118

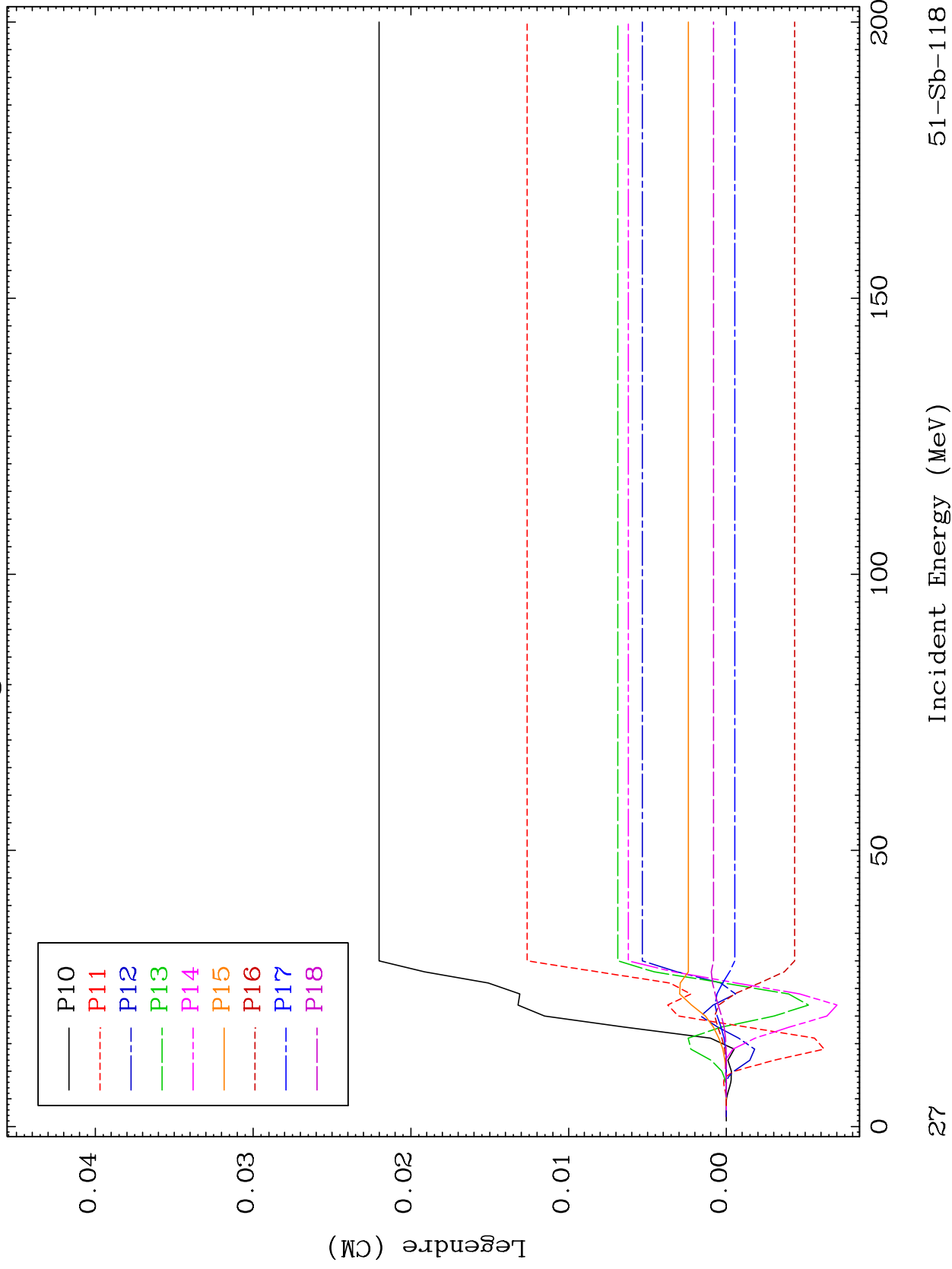
Incident Energy (MeV)

26

MAT 51116

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

51-Sb-118



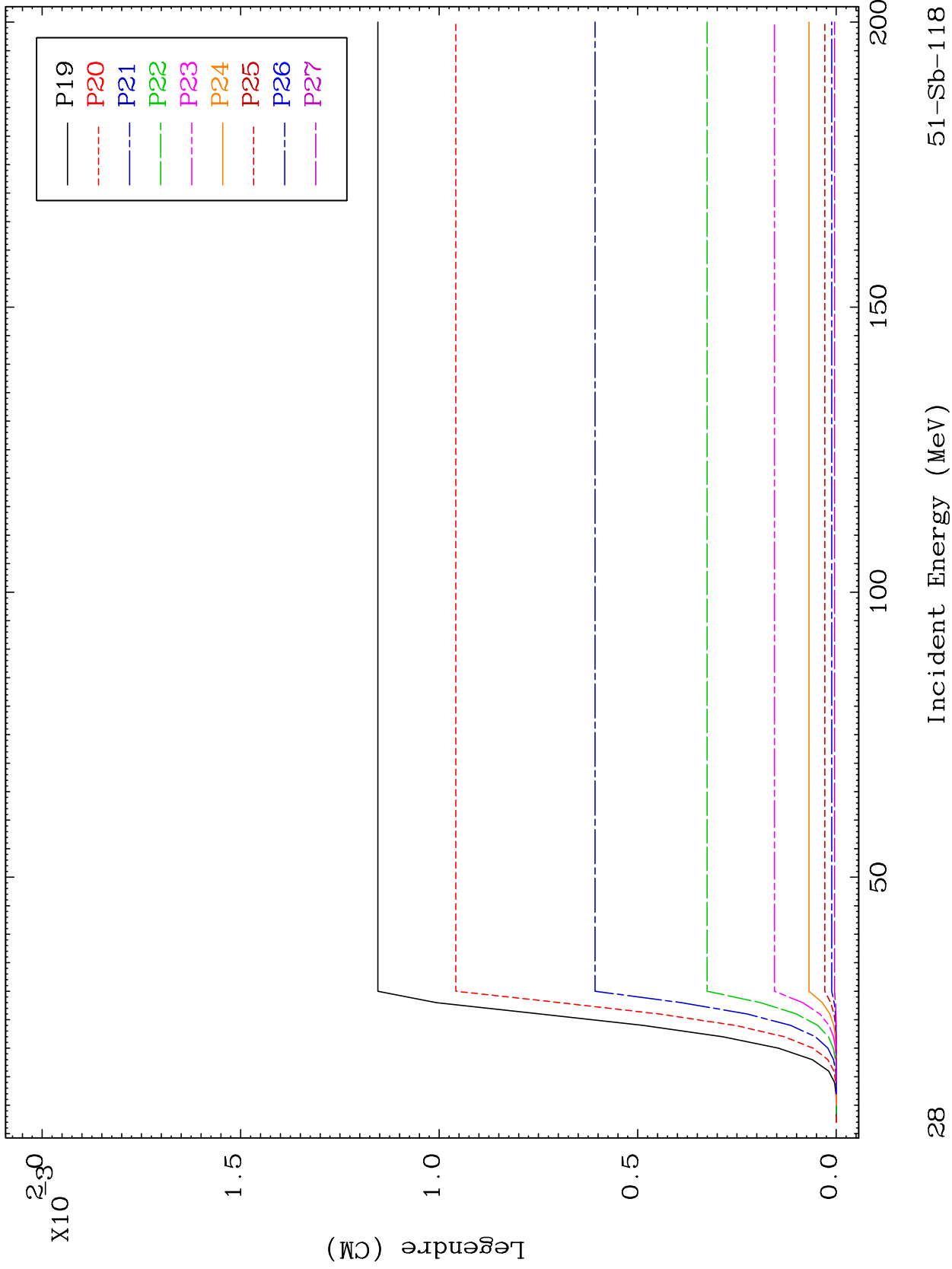
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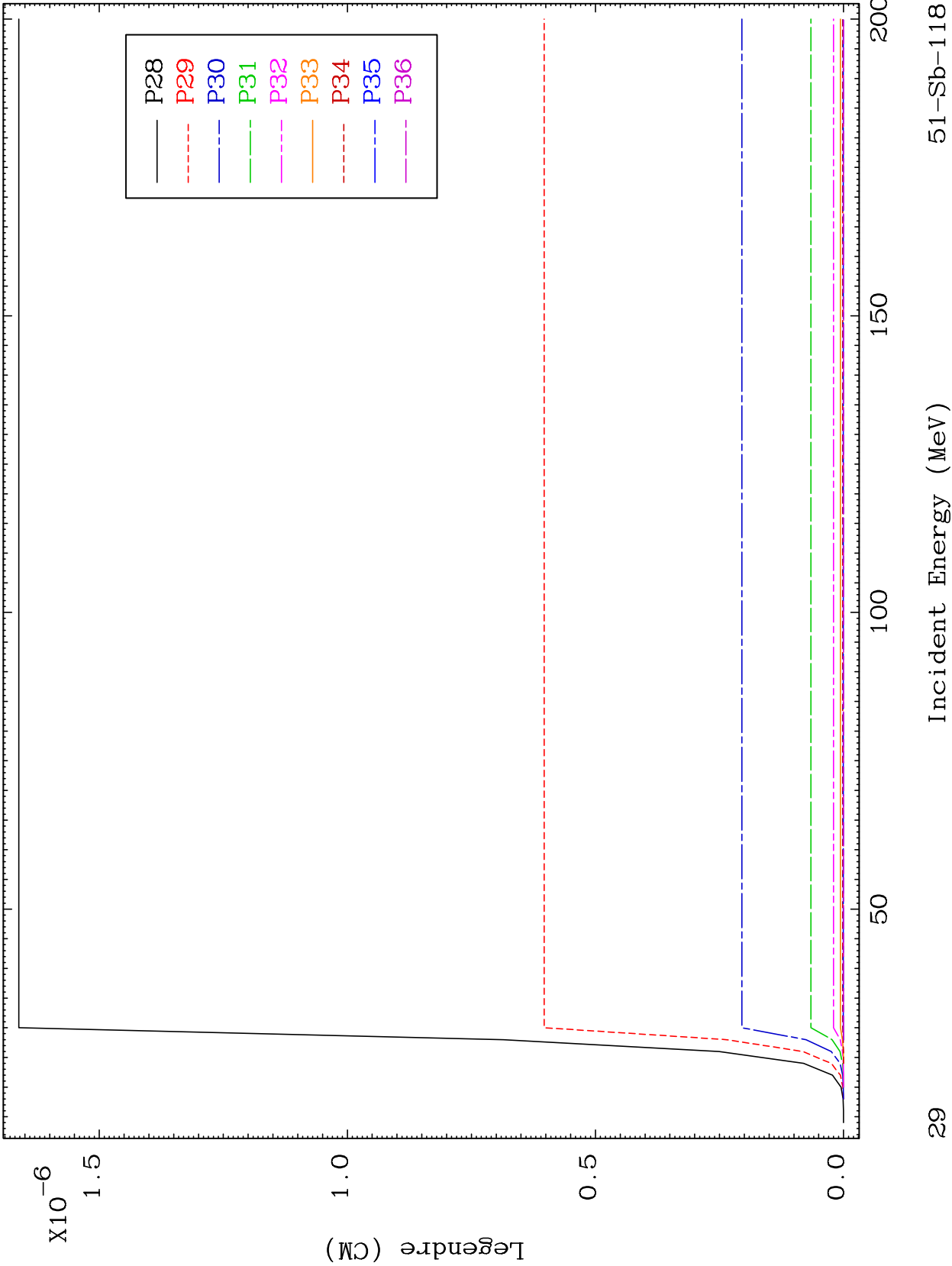
51-Sb-118

MAT 51116

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

51-Sb-118

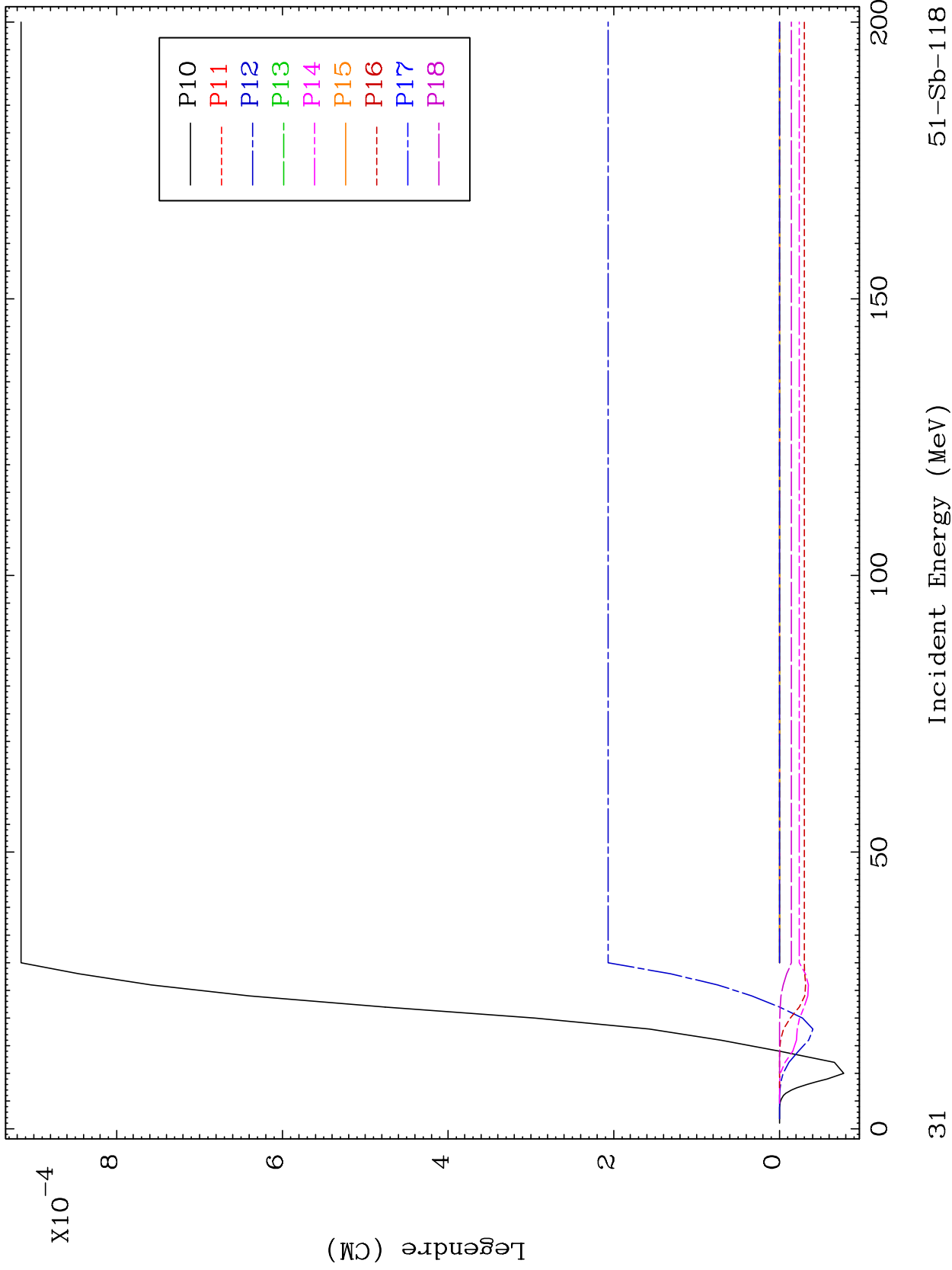




MAT 51116

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

51-Sb-118



31

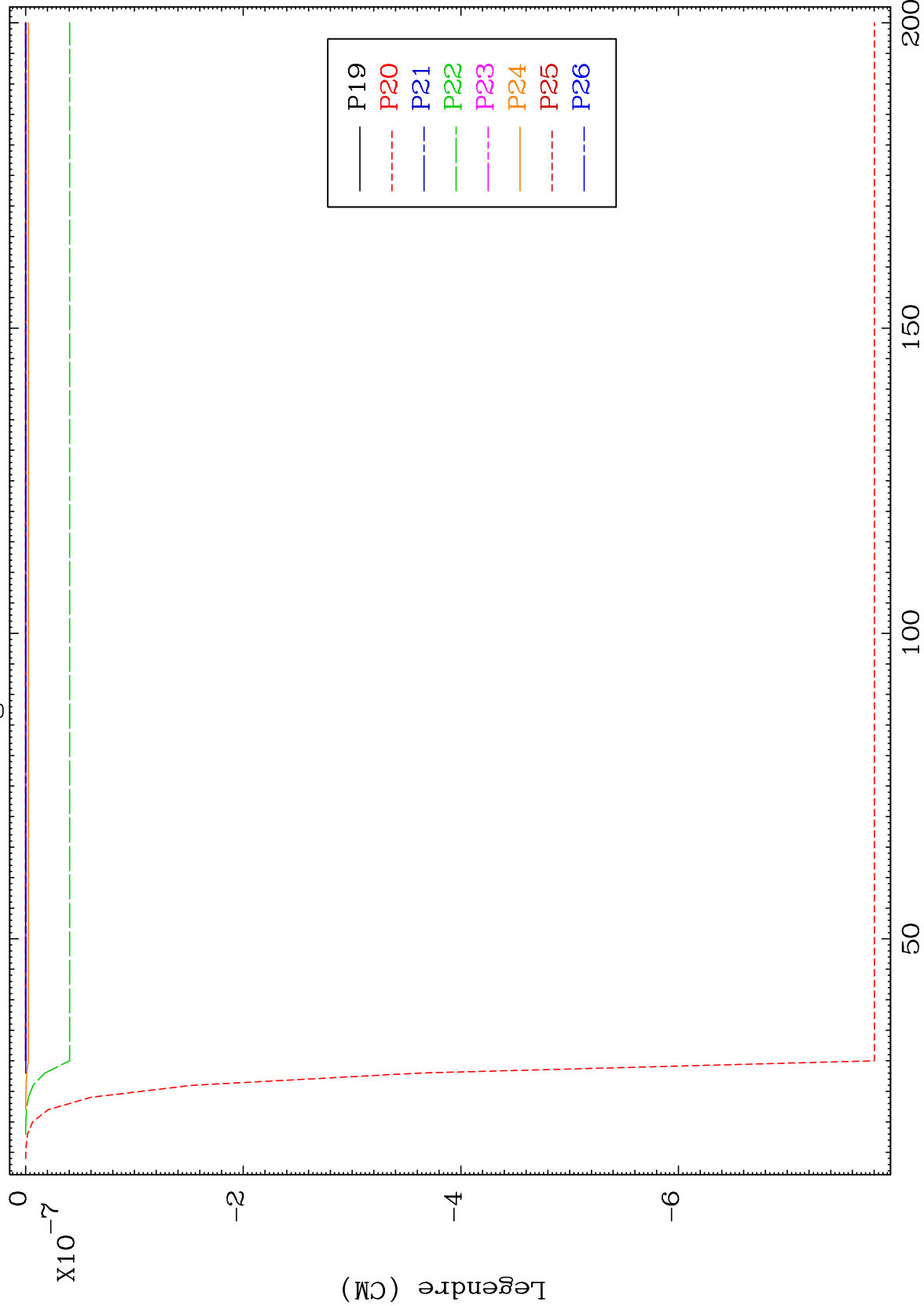
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



51-Sb-118

Incident Energy (MeV)

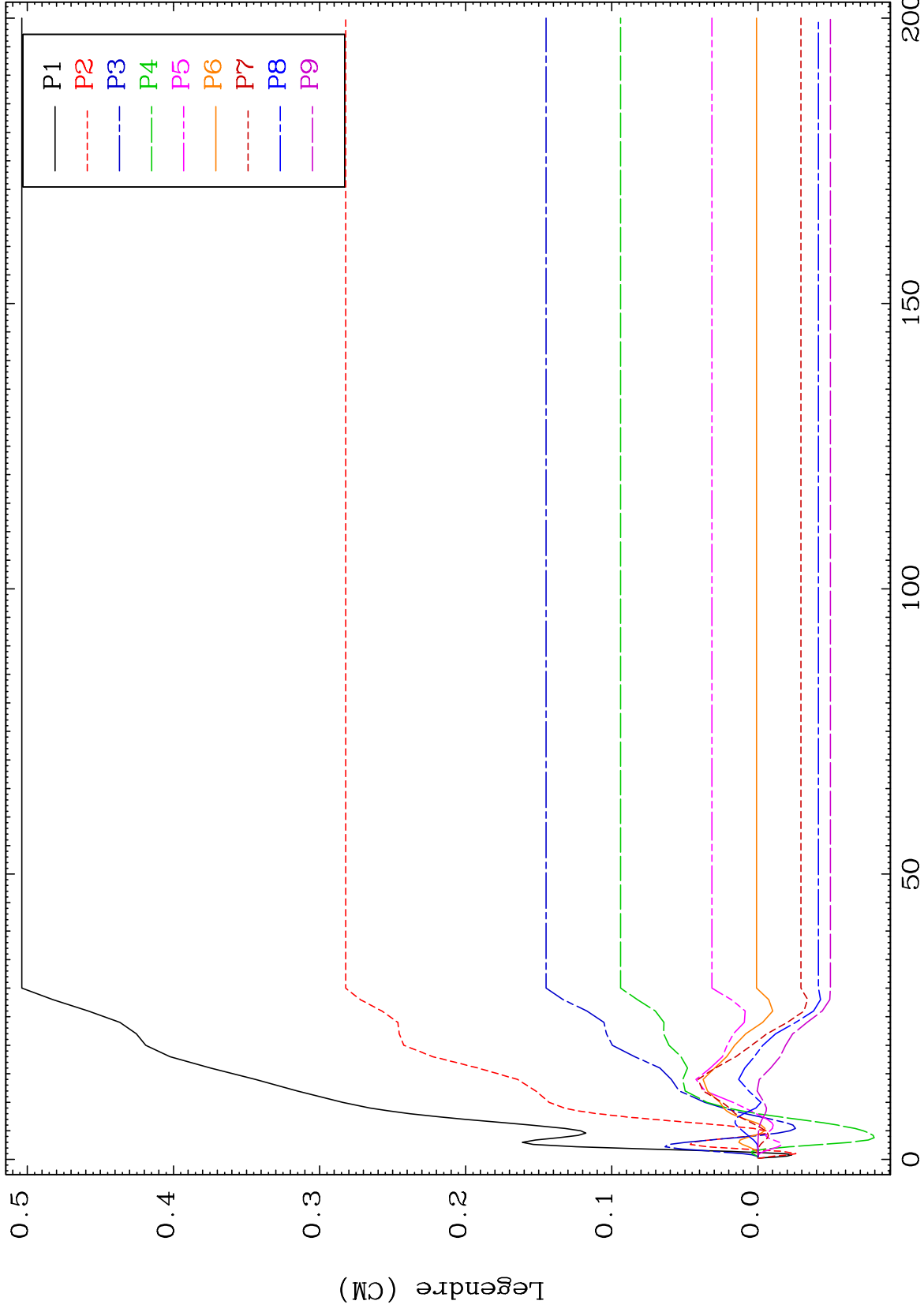
32

MAT 5116

MT= 55 (n,n') Level

51-Sb-118

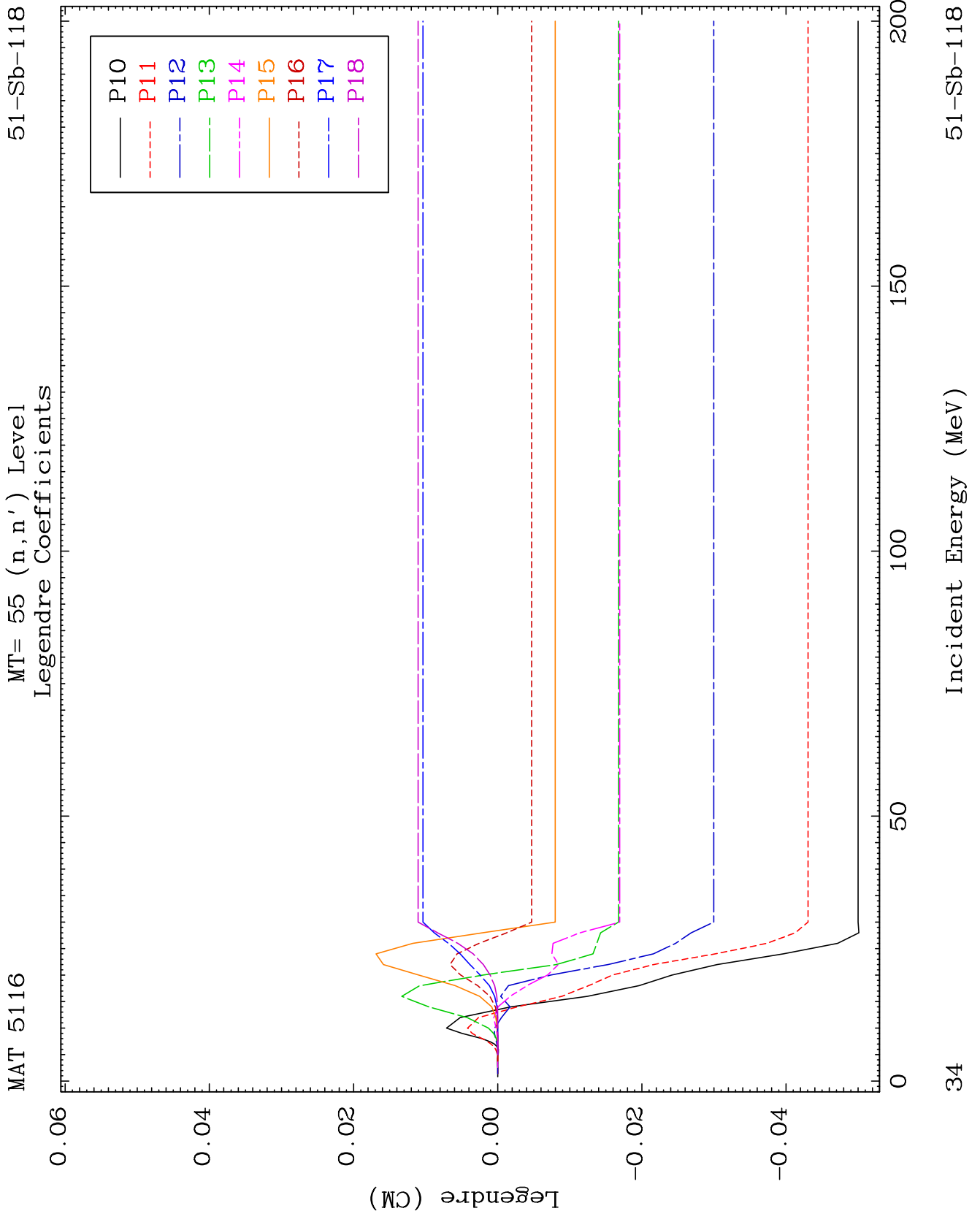
Legendre Coefficients



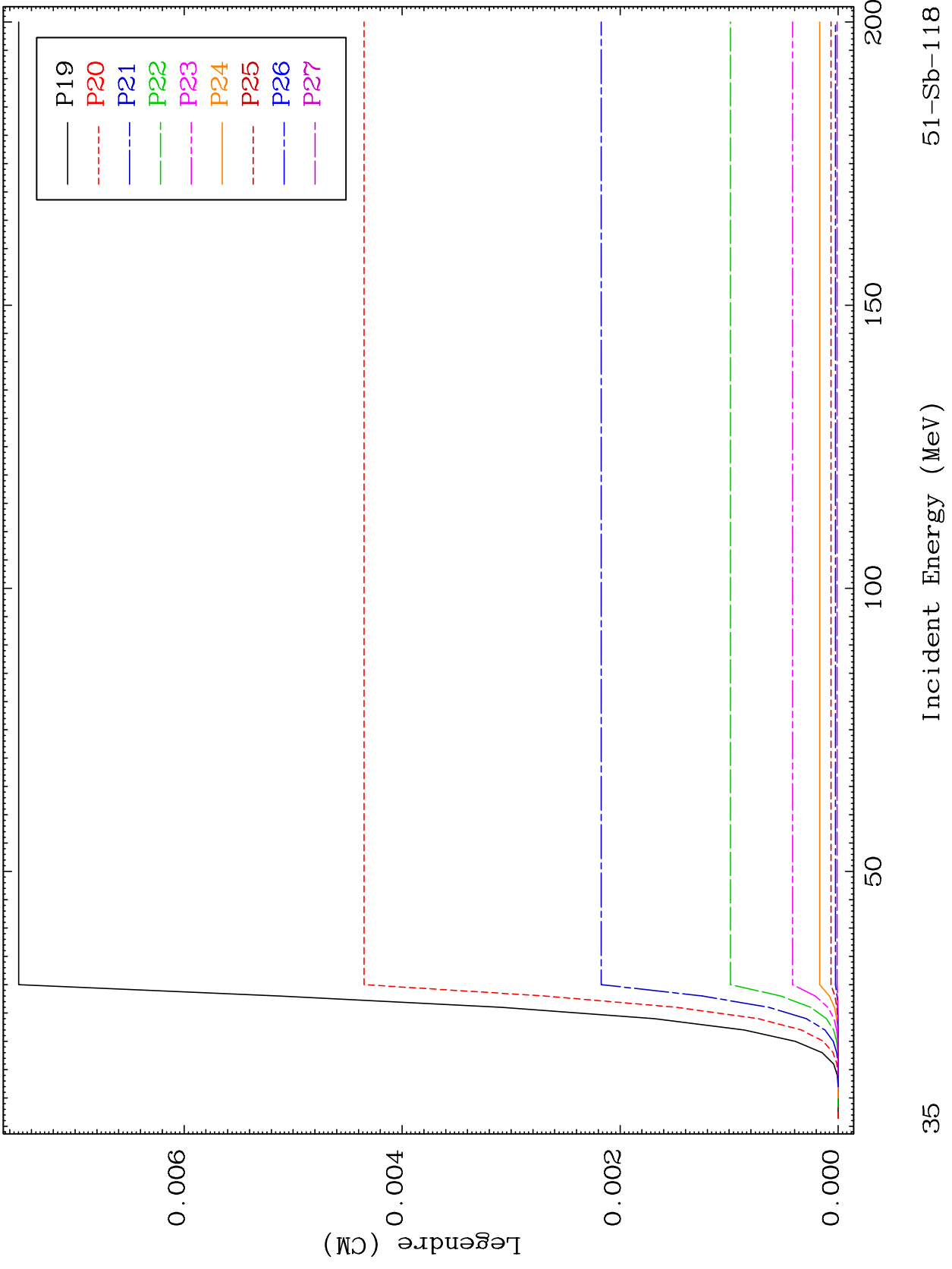
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Incident Energy (MeV)

51-Sb-118



MAT 5116 MT= 55 (n,n') Level Legendre Coefficients 51-Sb-118

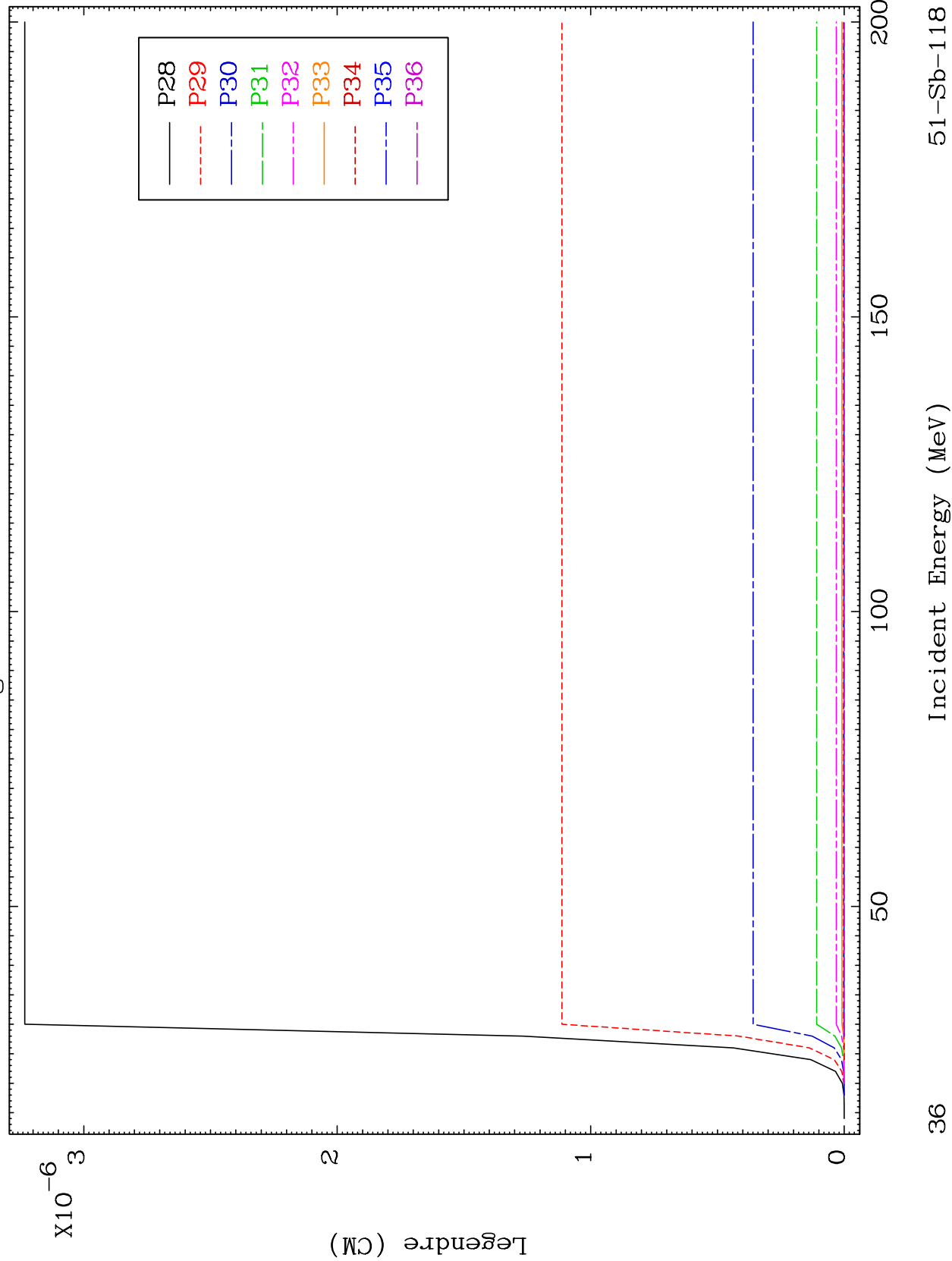


35 51-Sb-118

MAT 5116

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

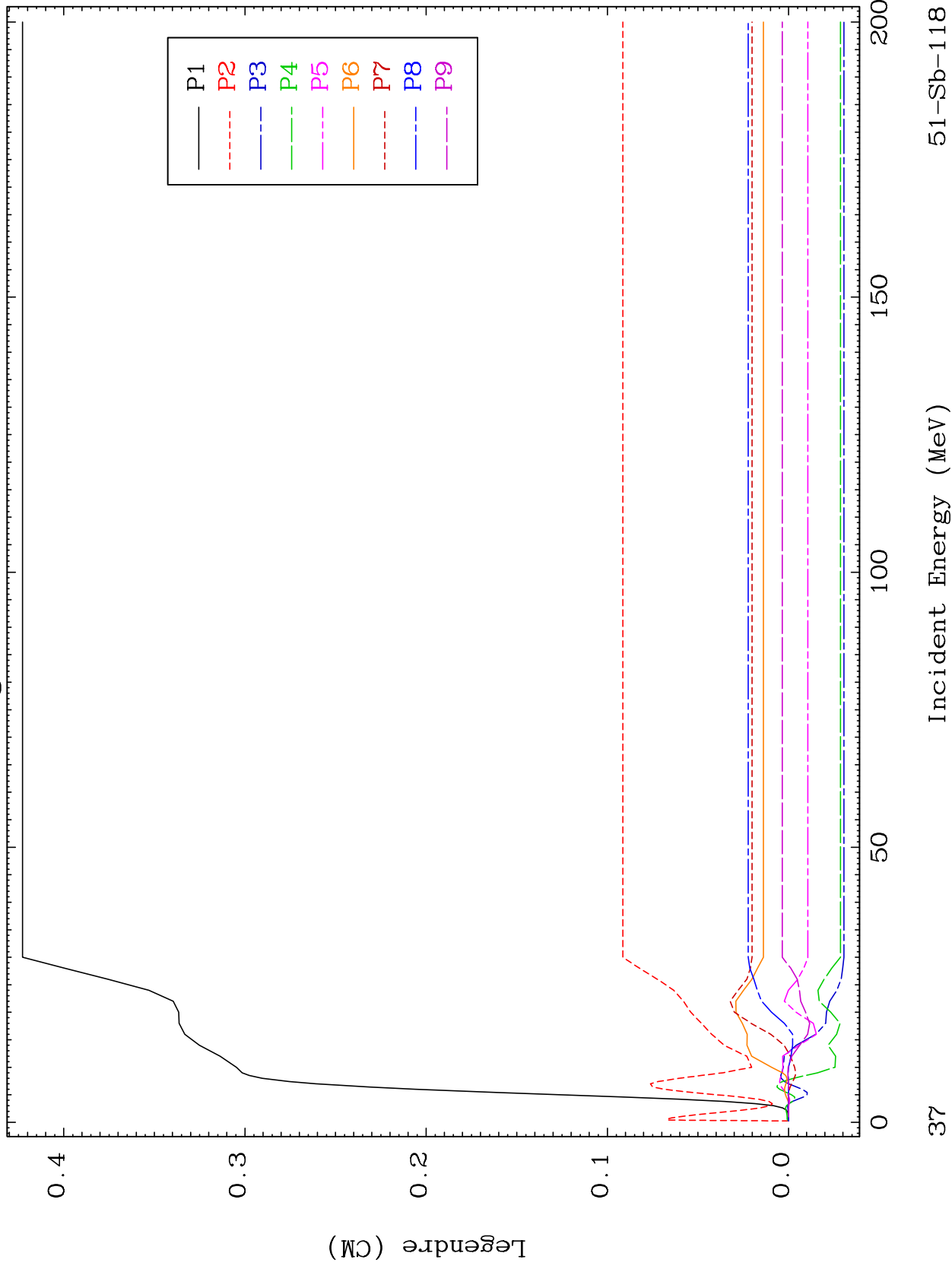
51-Sb-118



MAT 5116

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

51-Sb-118



37

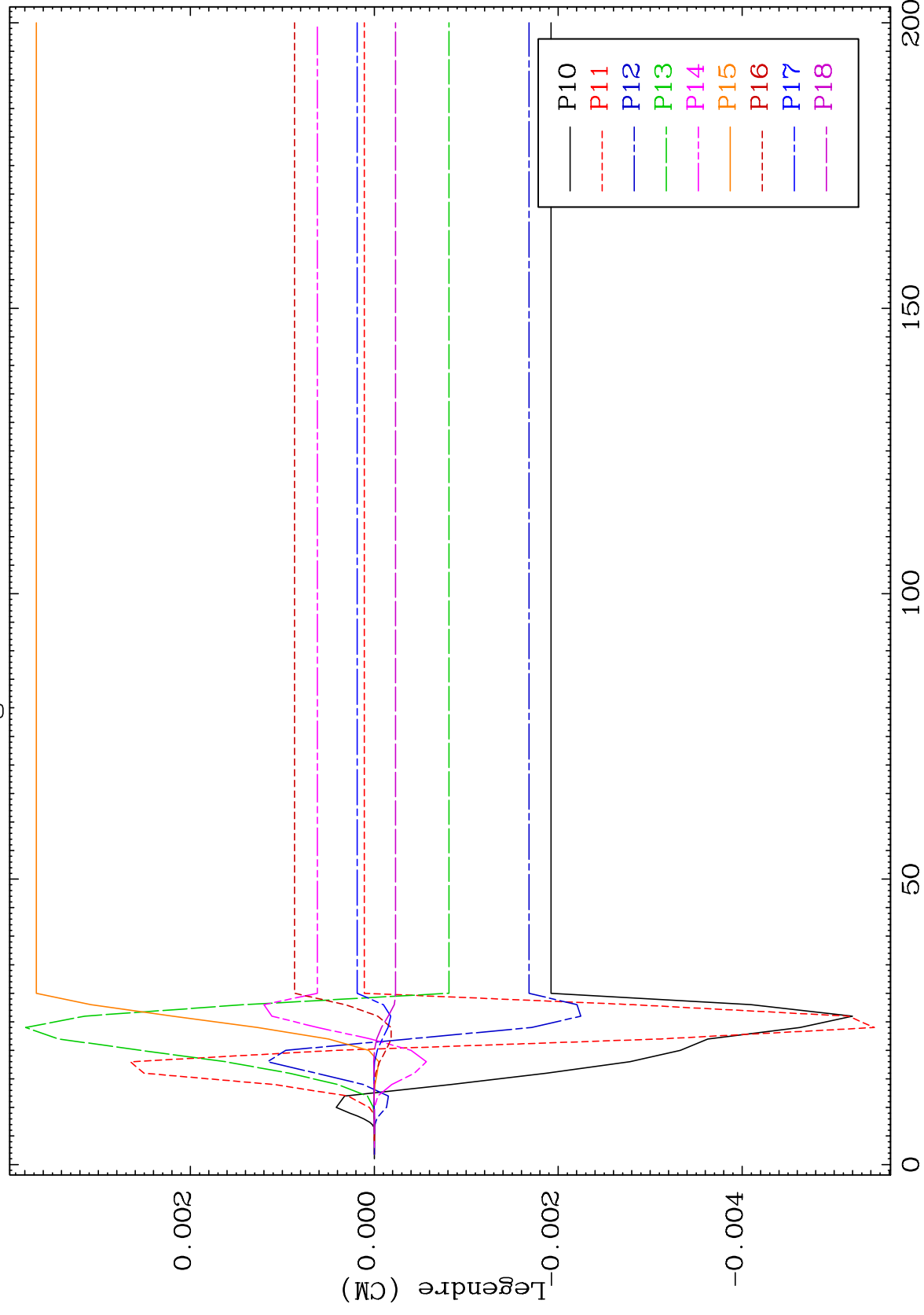
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

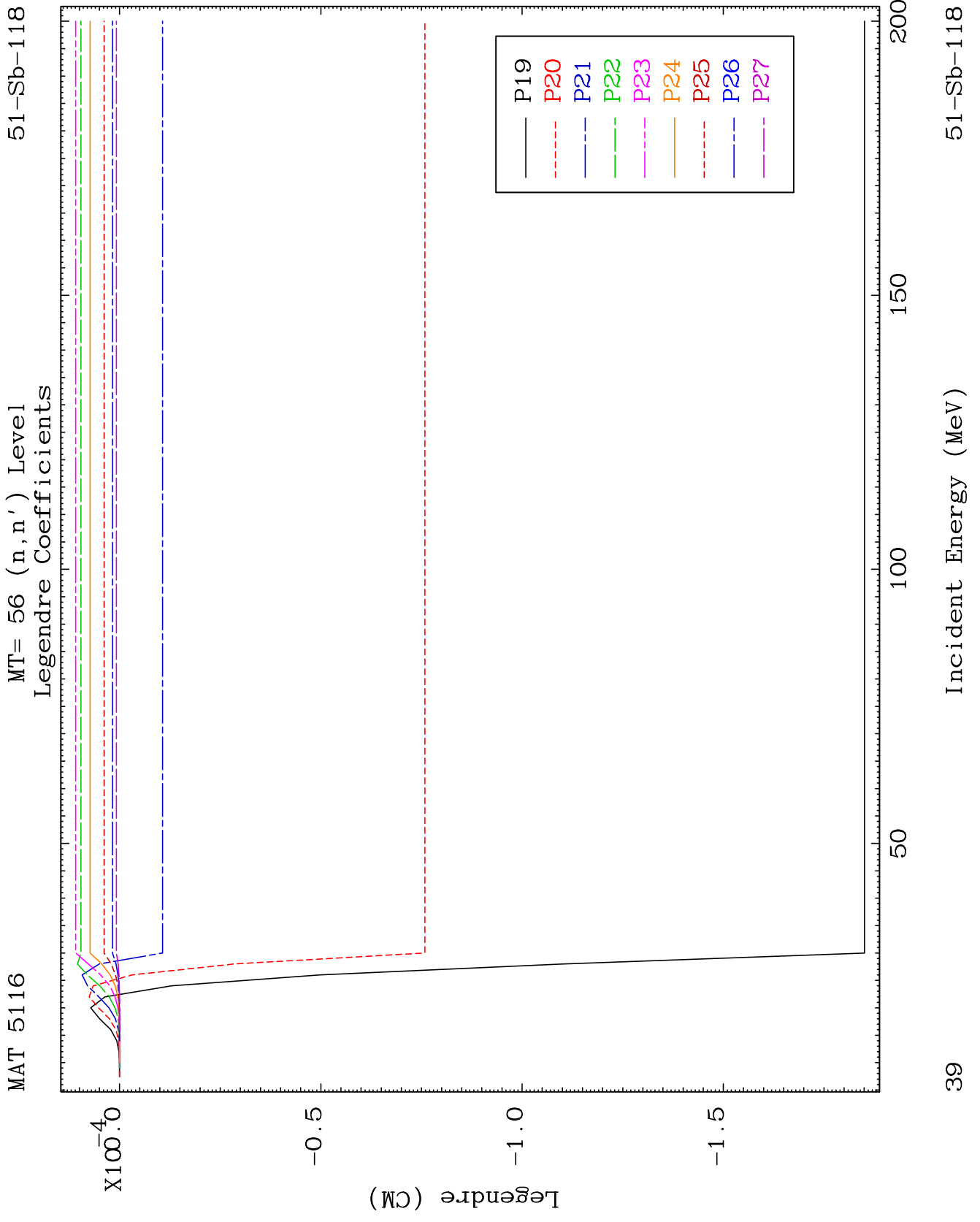
51-Sb-118



38

Incident Energy (MeV)

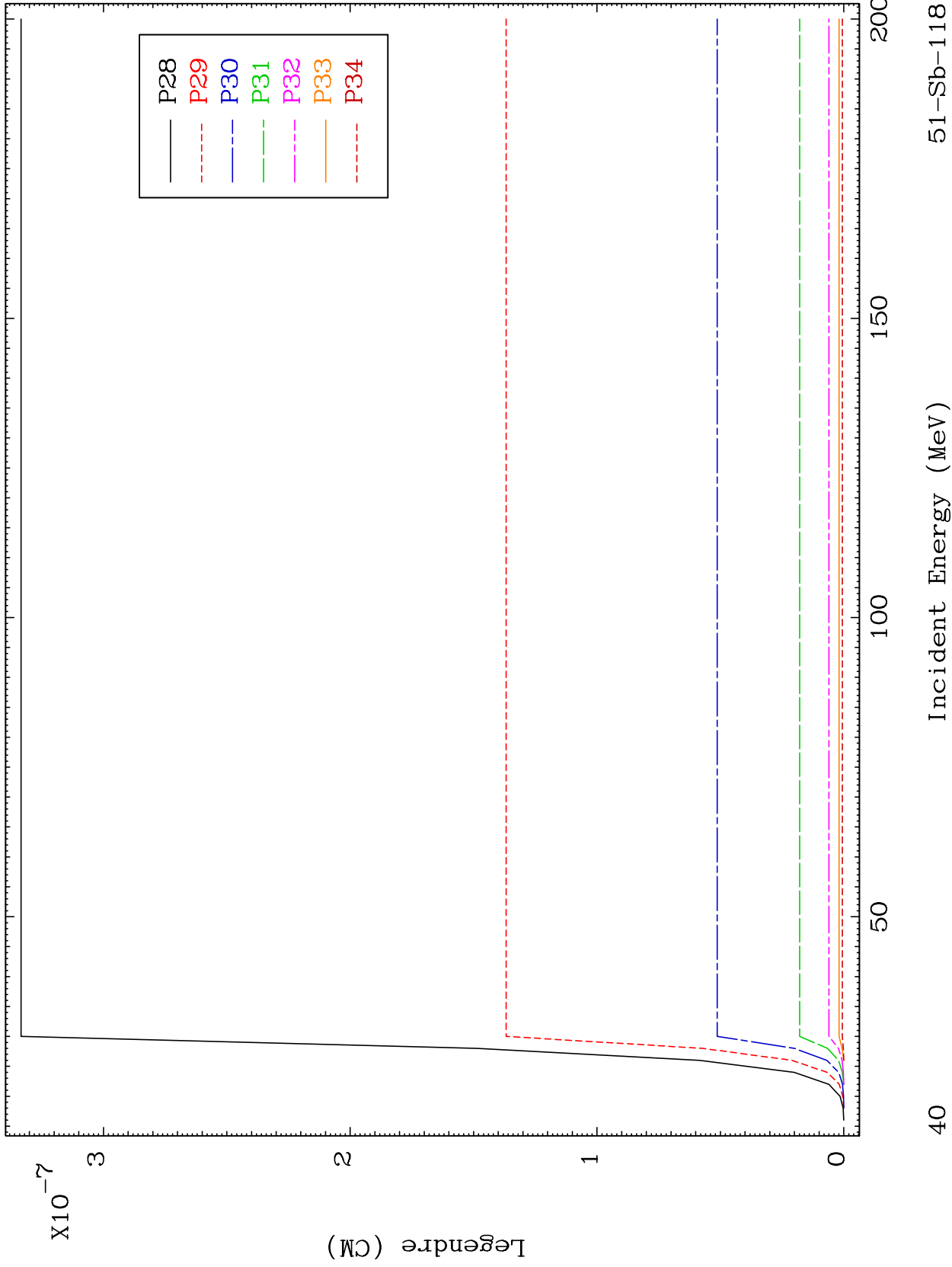
51-Sb-118



MAT 5116

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

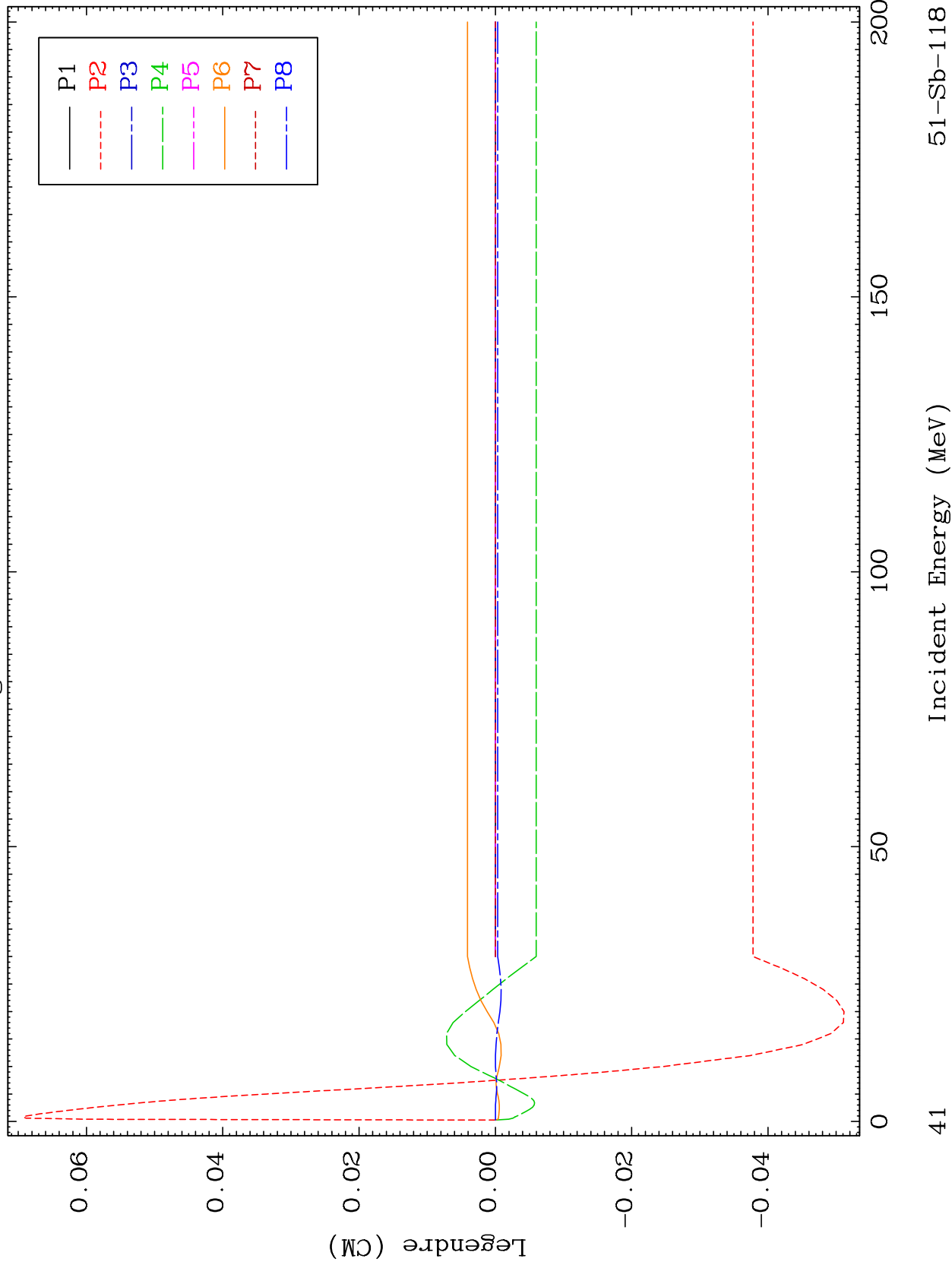
51-Sb-118



MAT 5116

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

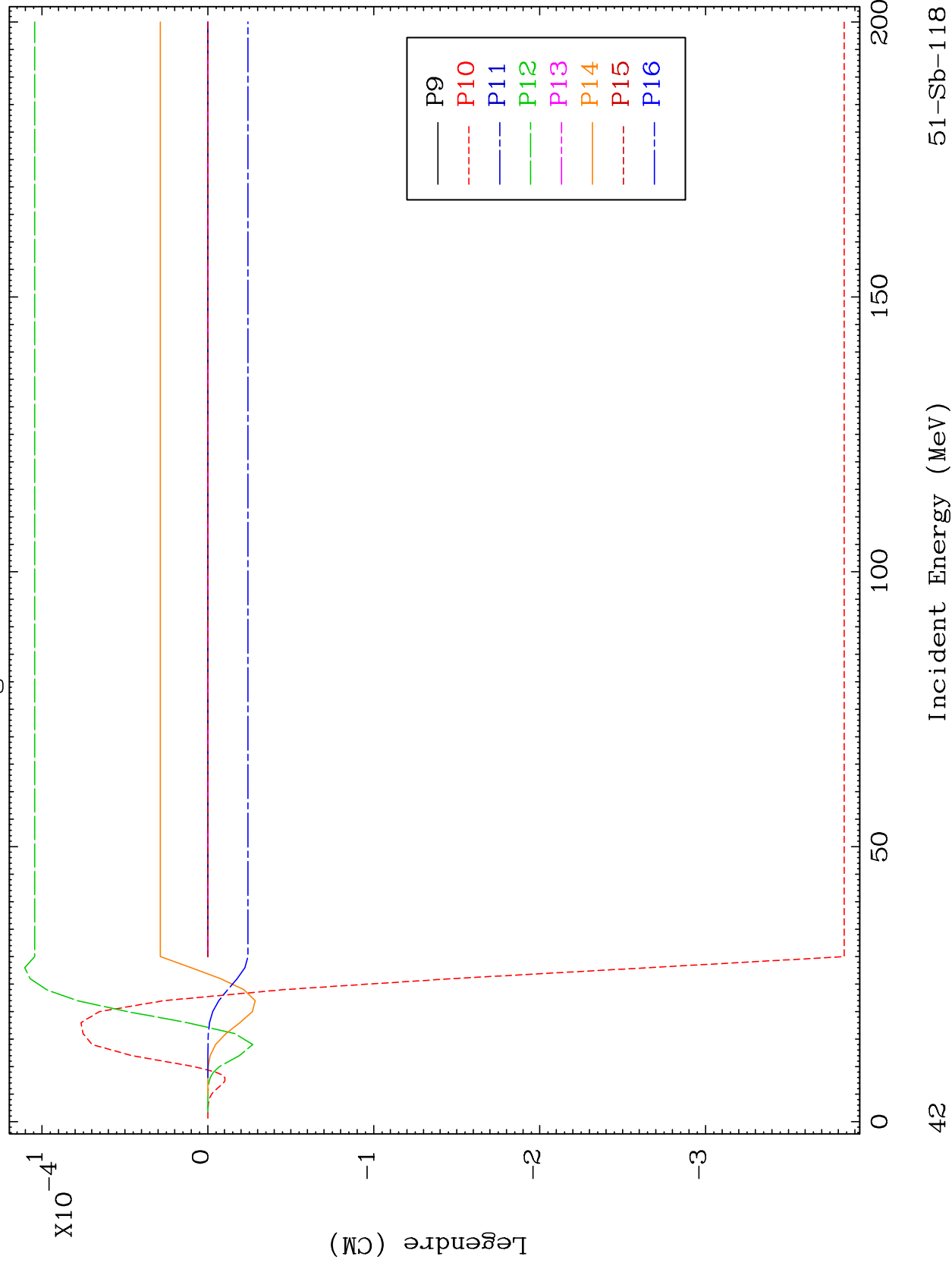
51-Sb-118



MAT 5116

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

51-Sb-118



51-Sb-118

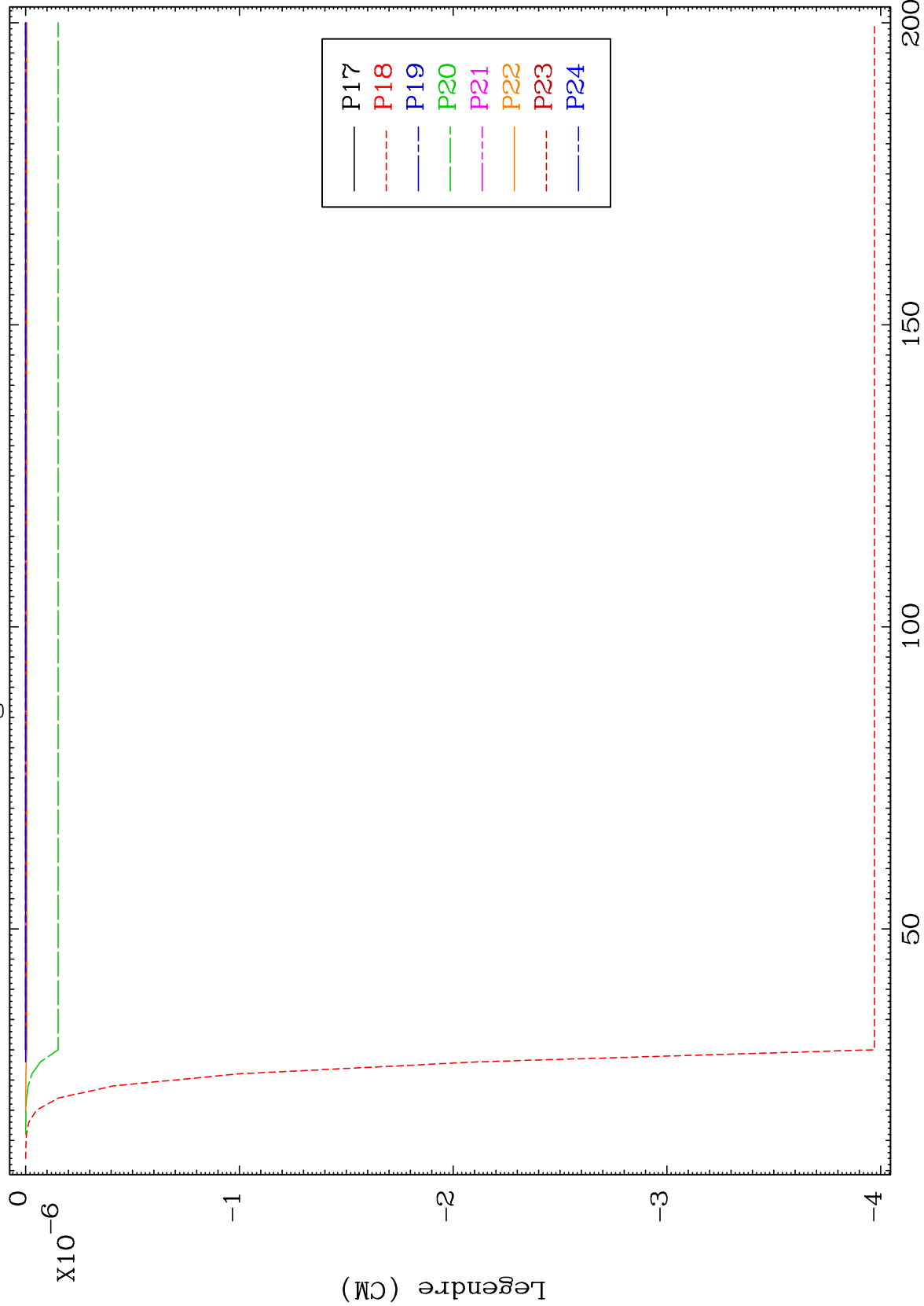
Incident Energy (MeV)

42

MAT 5116

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

51-Sb-118



51-Sb-118

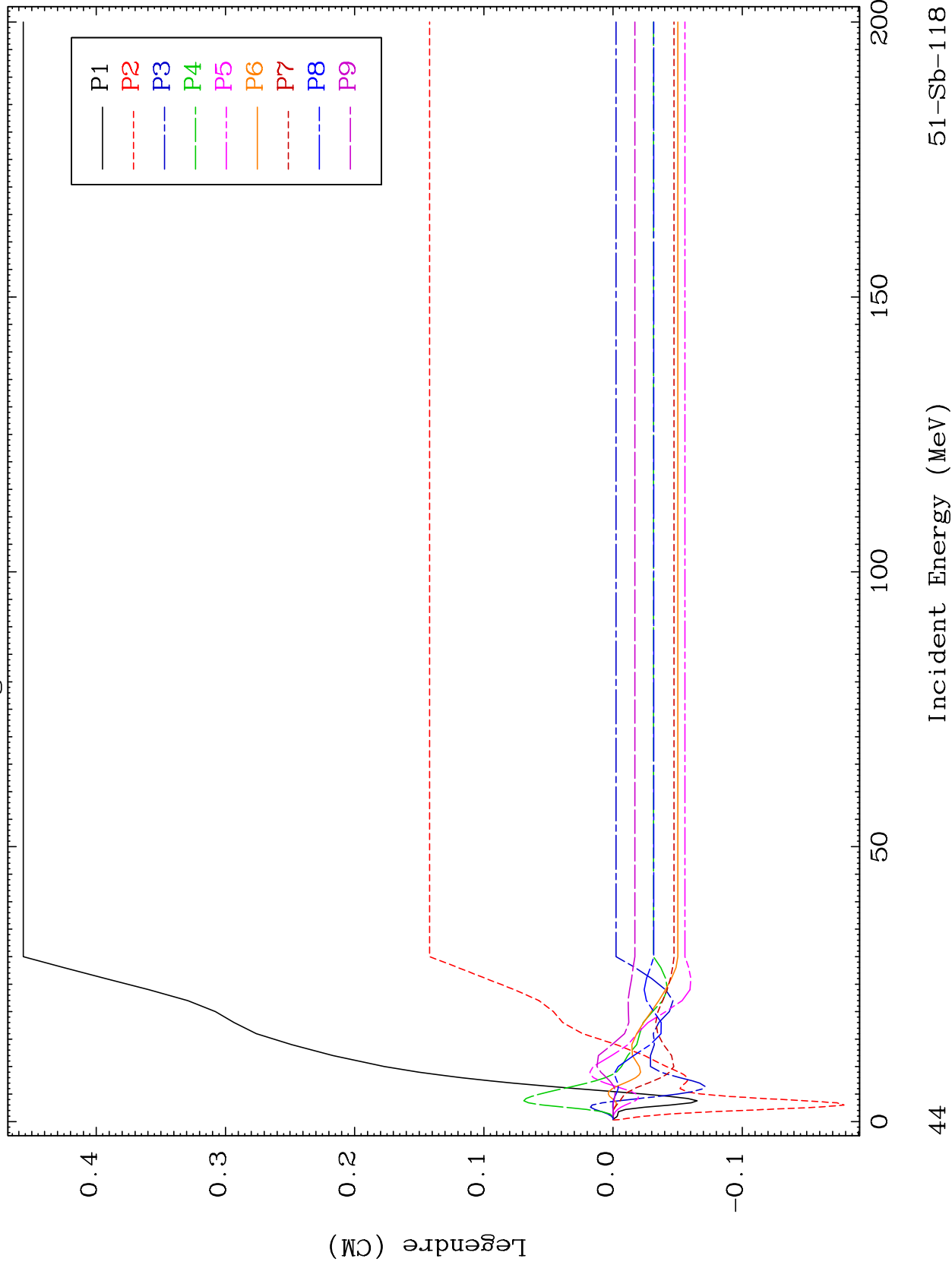
Incident Energy (MeV)

43

MAT 5116

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

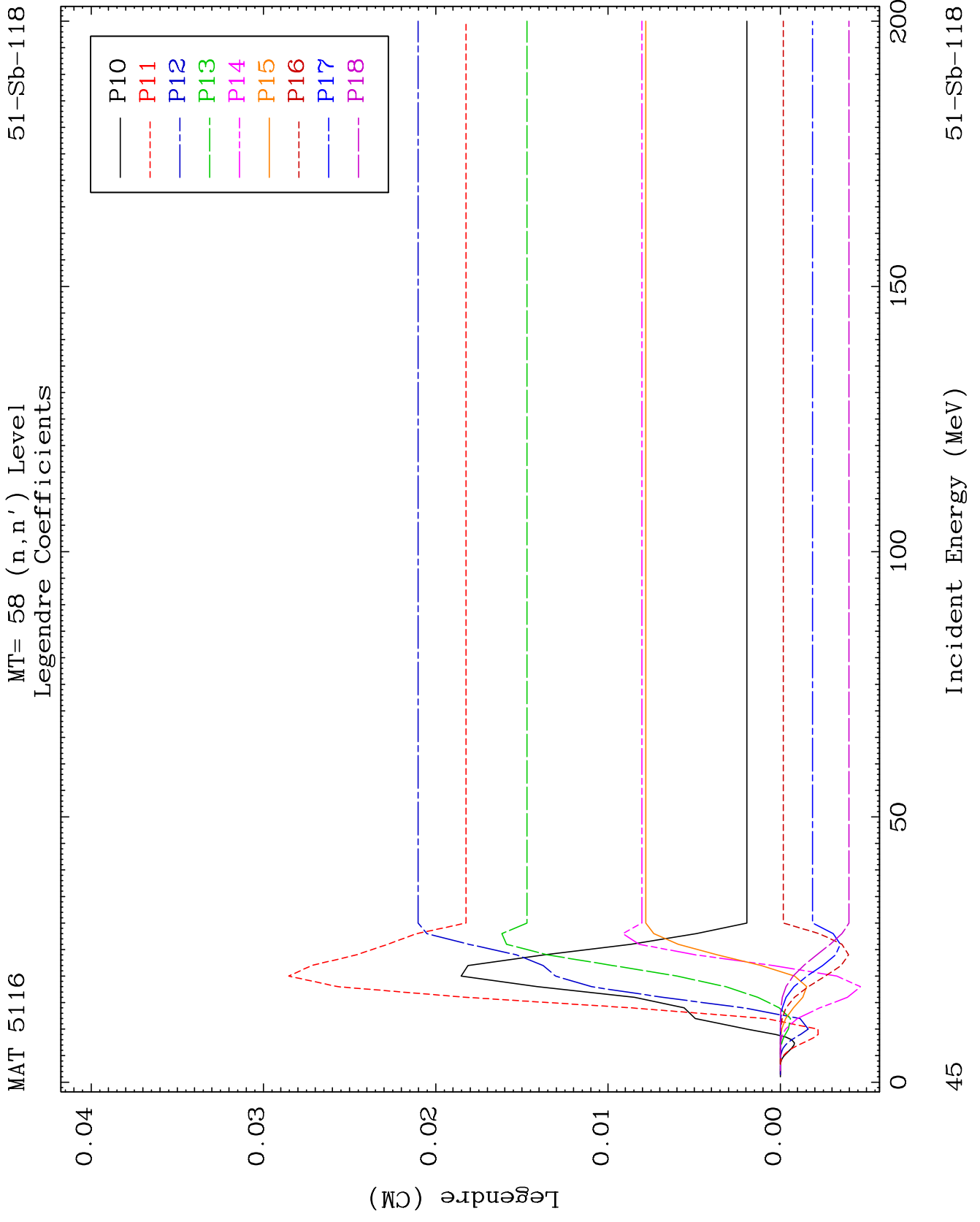
51-Sb-118



51-Sb-118

Incident Energy (MeV)

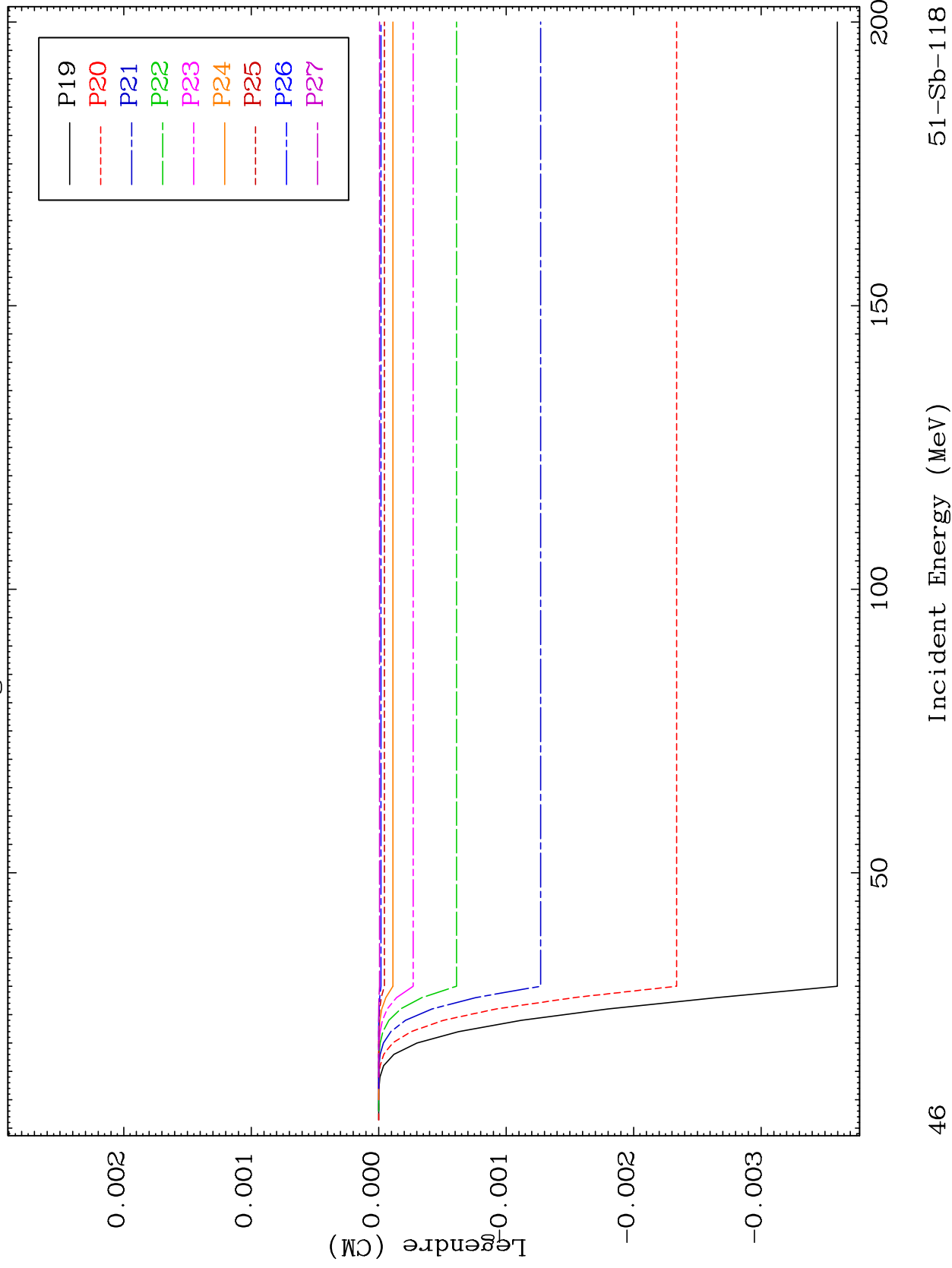
44



MAT 5116

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

51-Sb-118



46

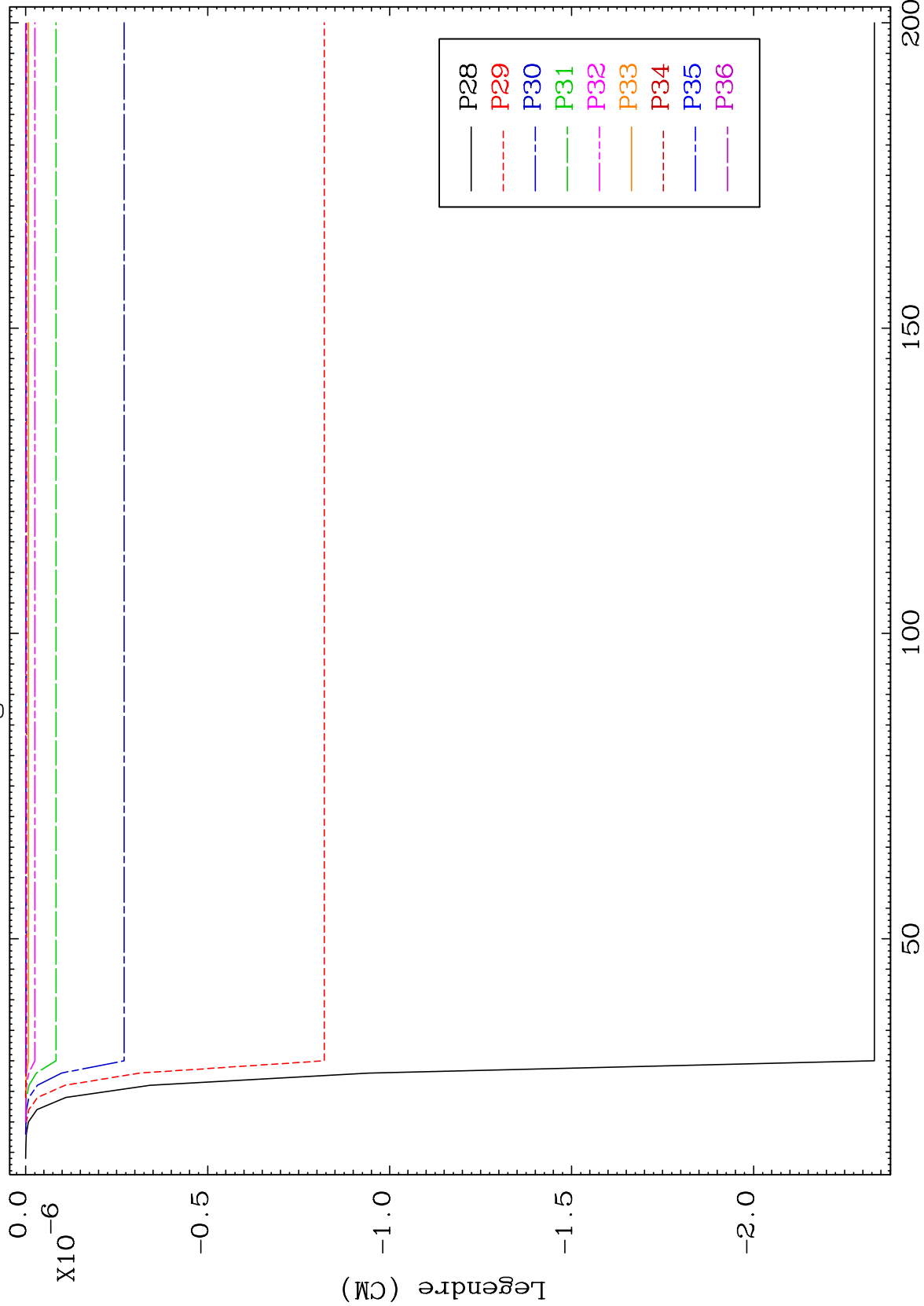
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

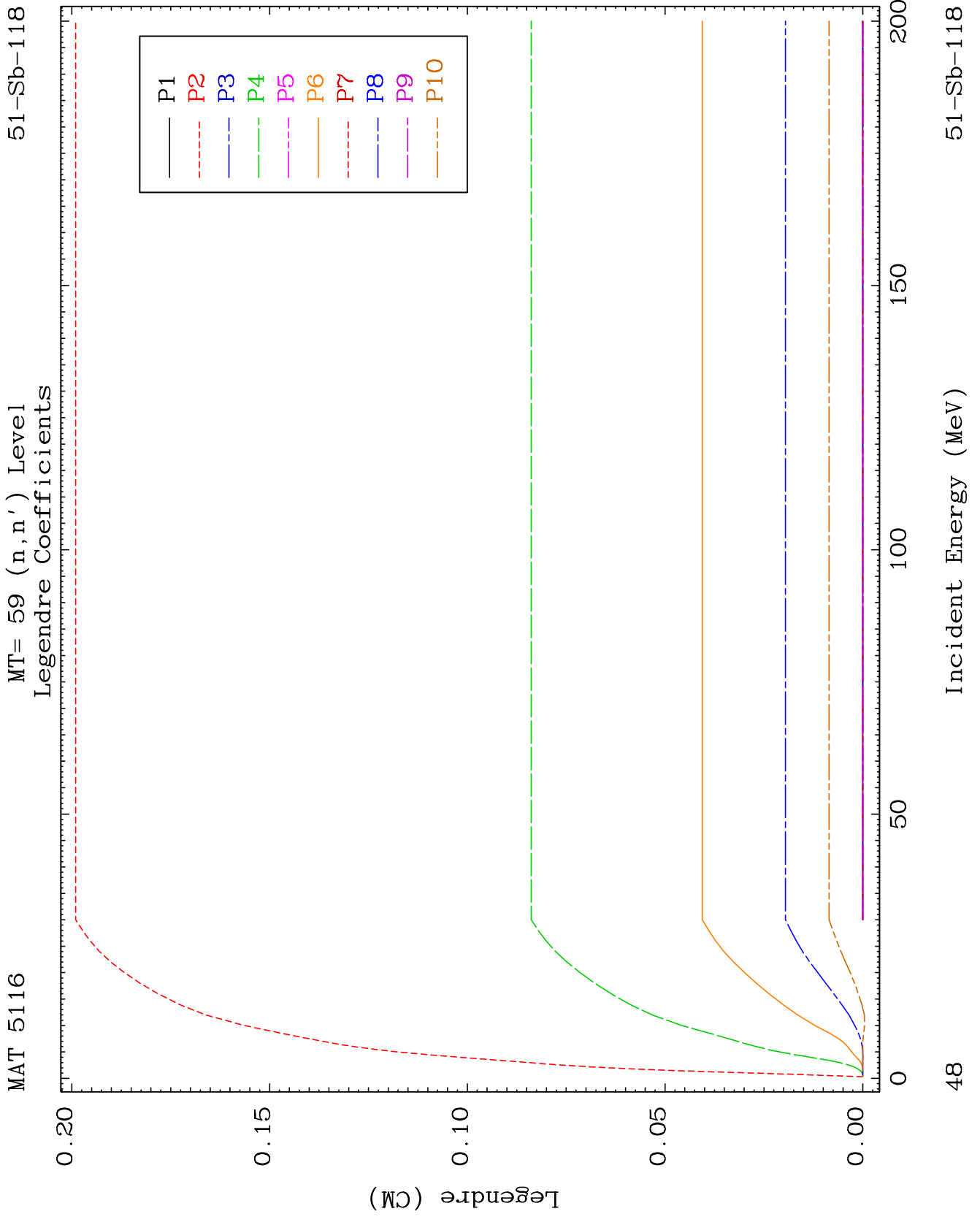
51-Sb-118



51-Sb-118

Incident Energy (MeV)

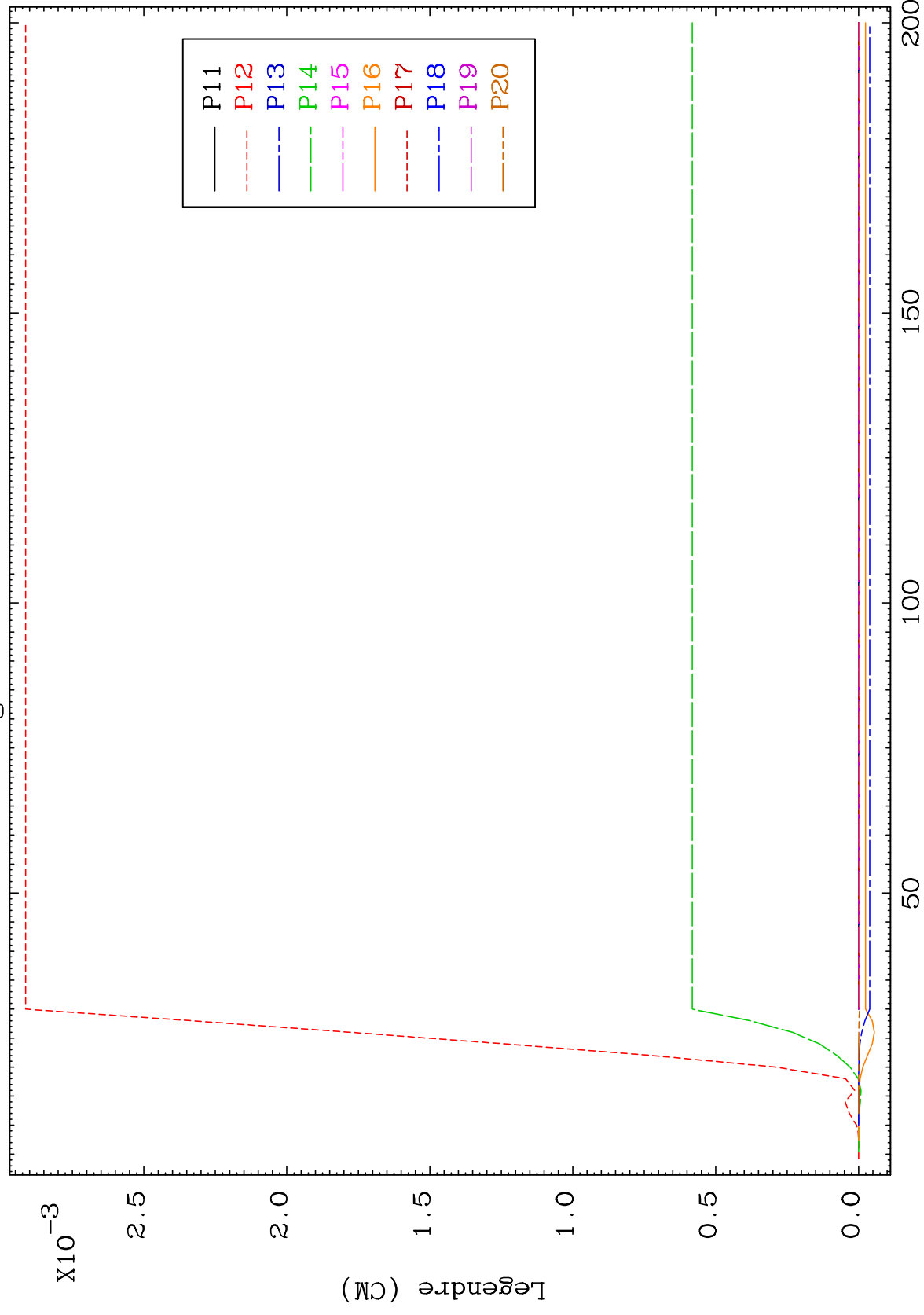
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MAT 51116

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

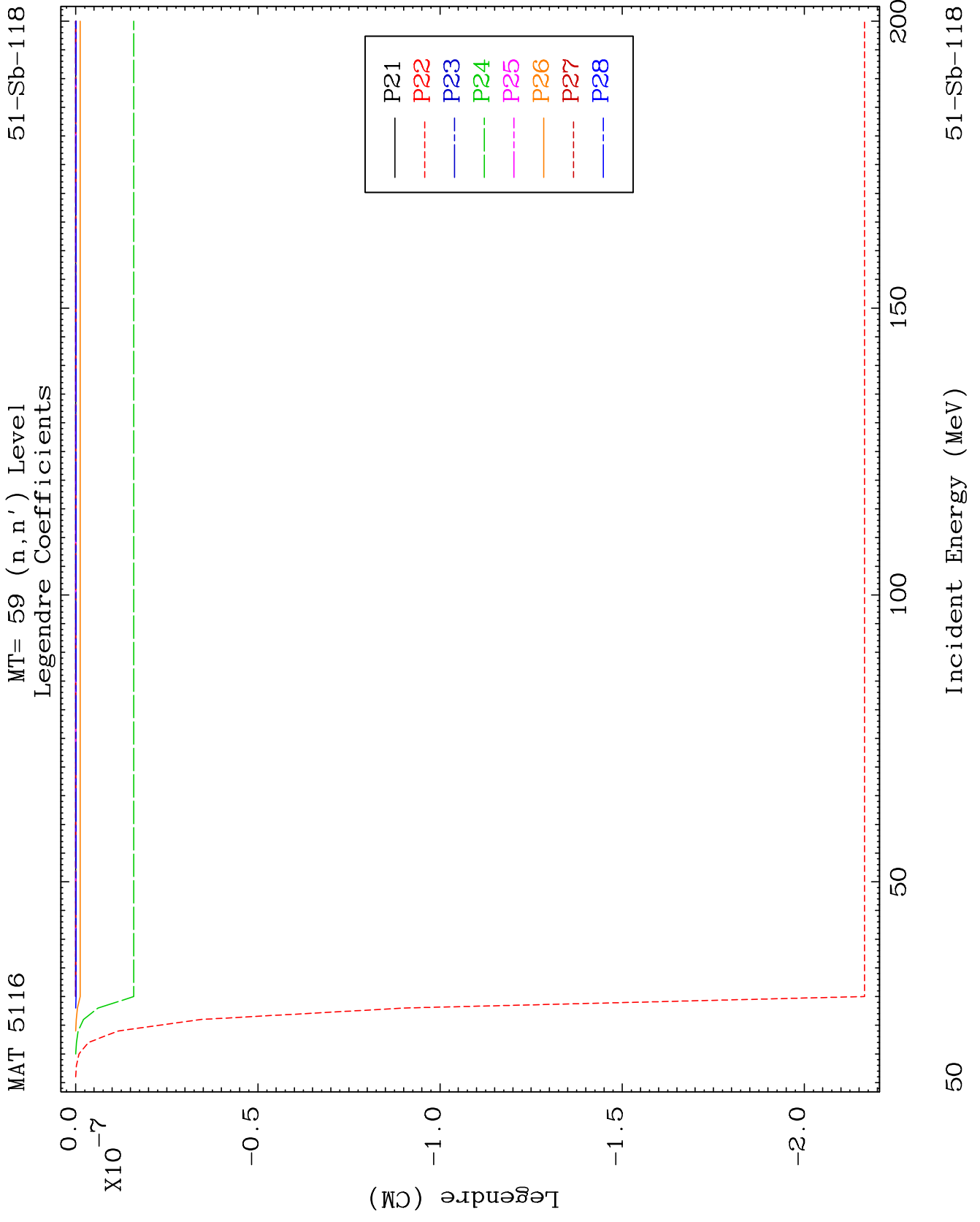
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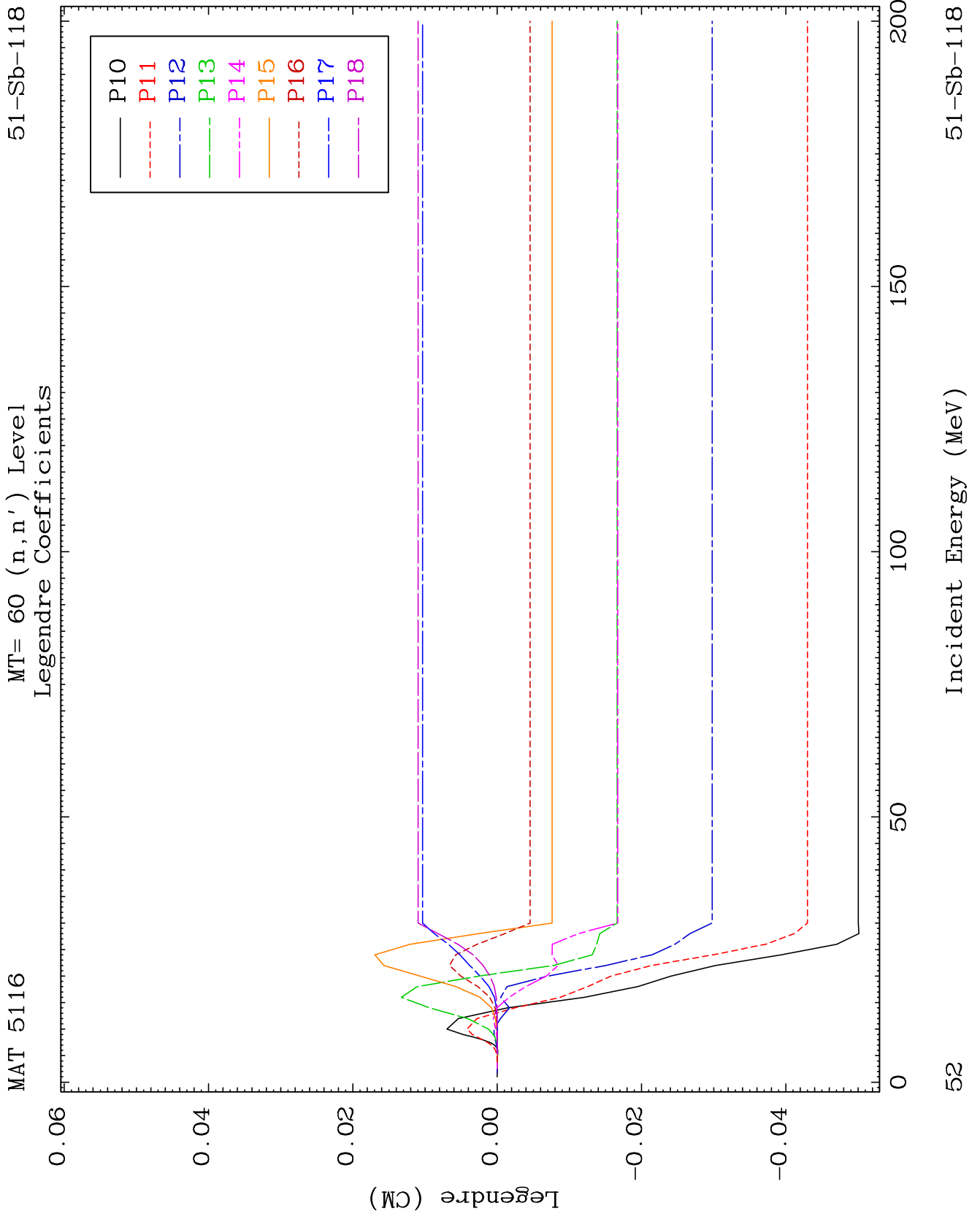


49

Incident Energy (MeV)

51-Sb-118

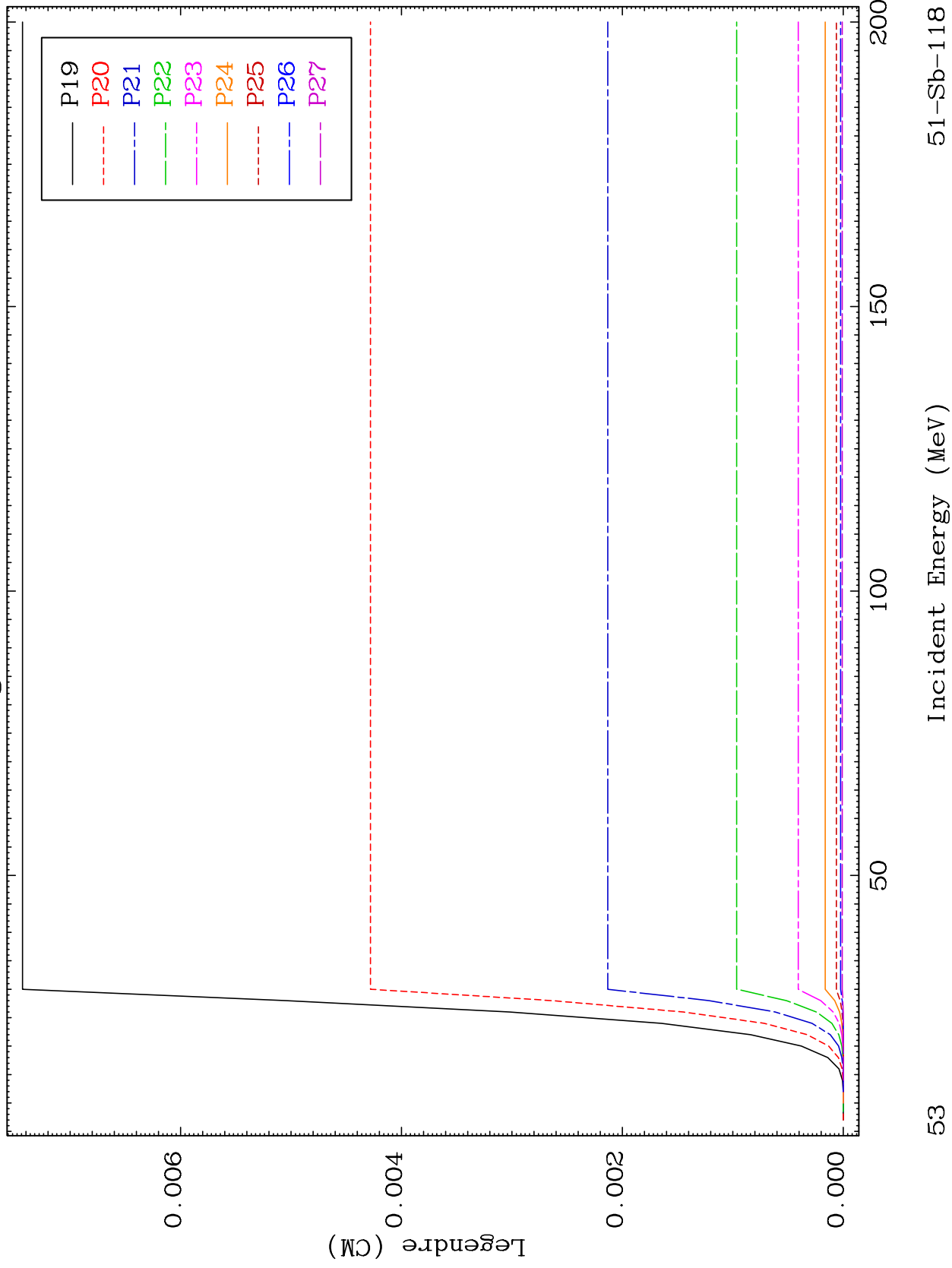




MAT 5116

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

51-Sb-118



53

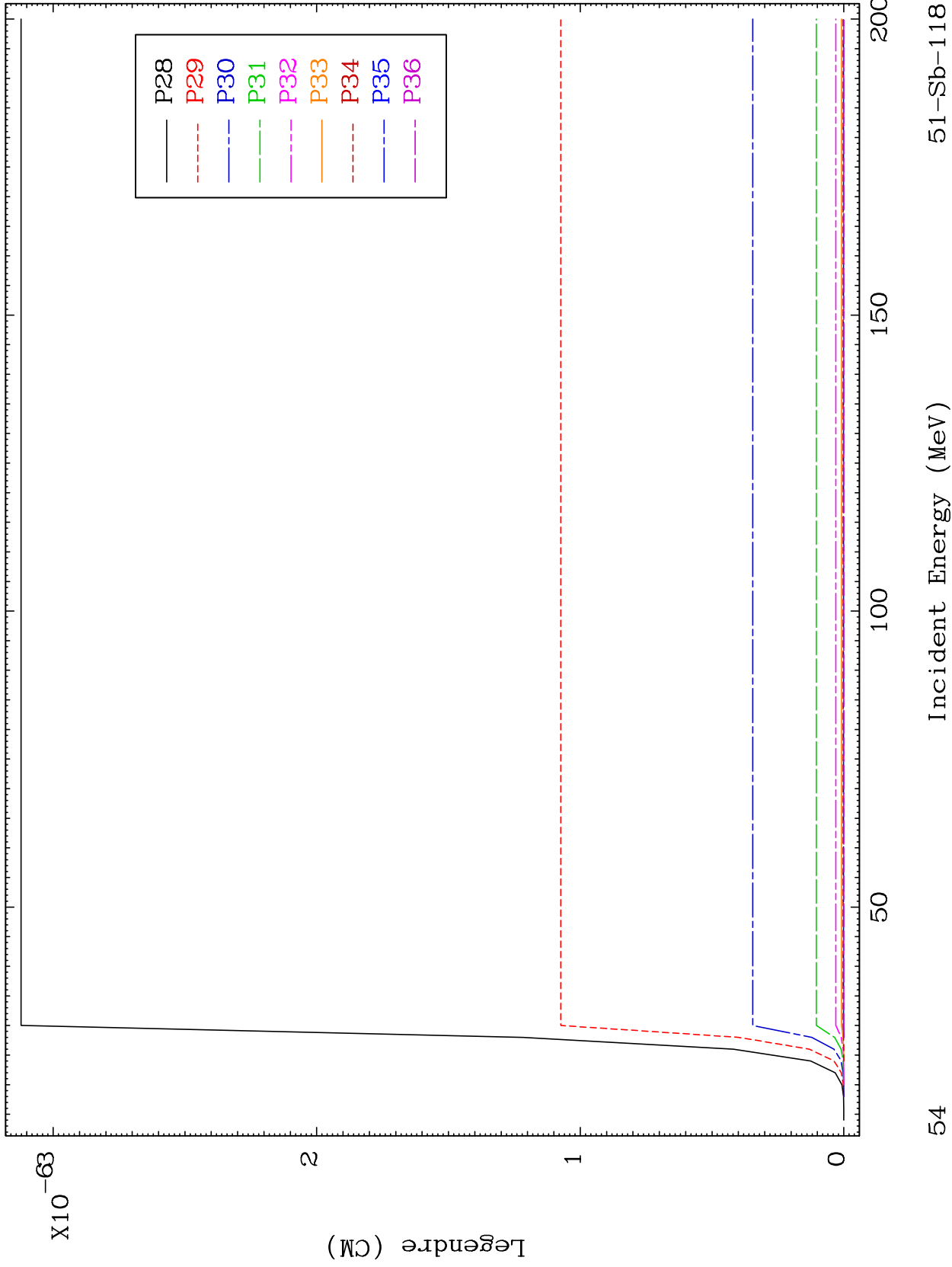
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

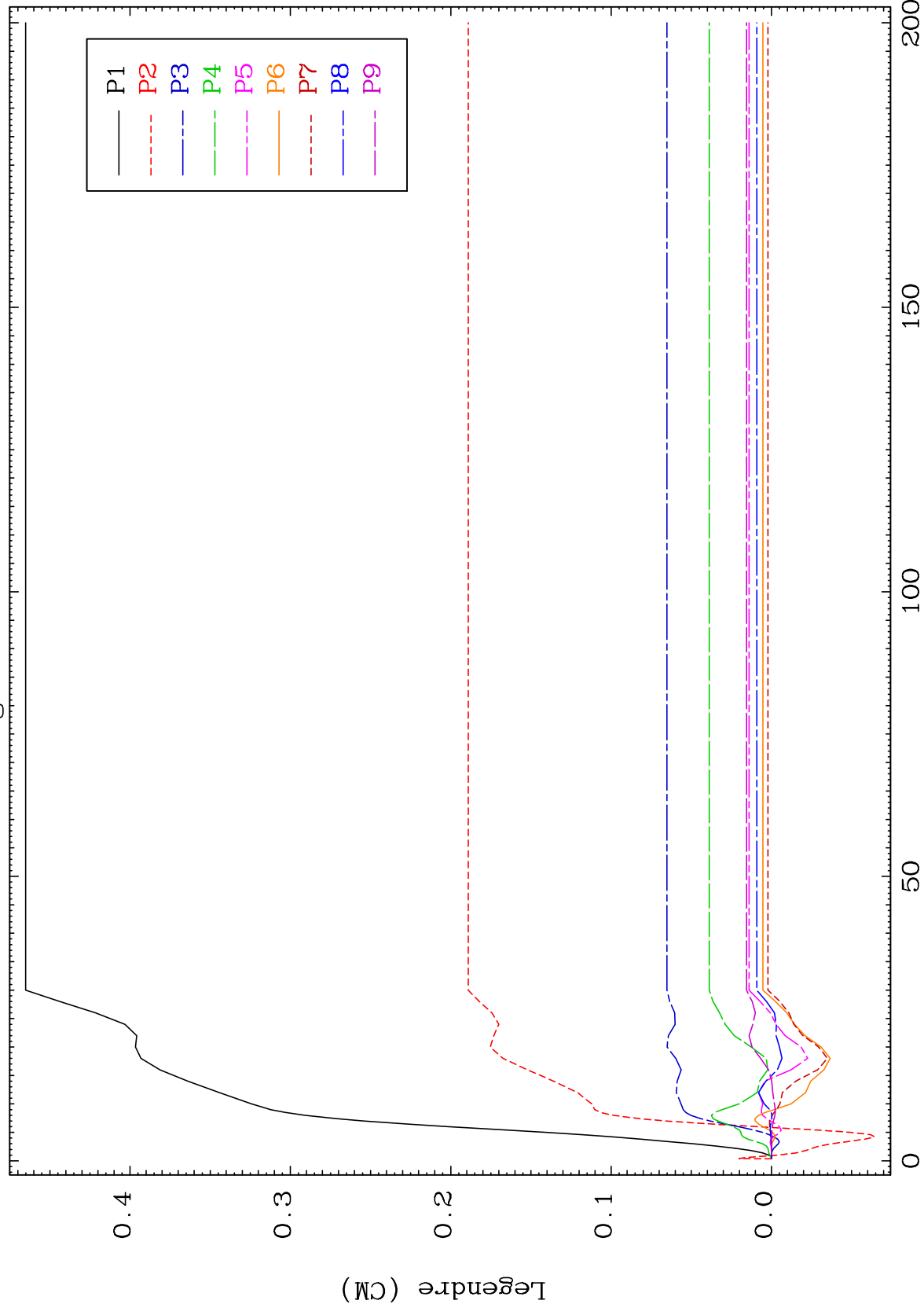
51-Sb-118



MAT 5116

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

51-Sb-118



51-Sb-118

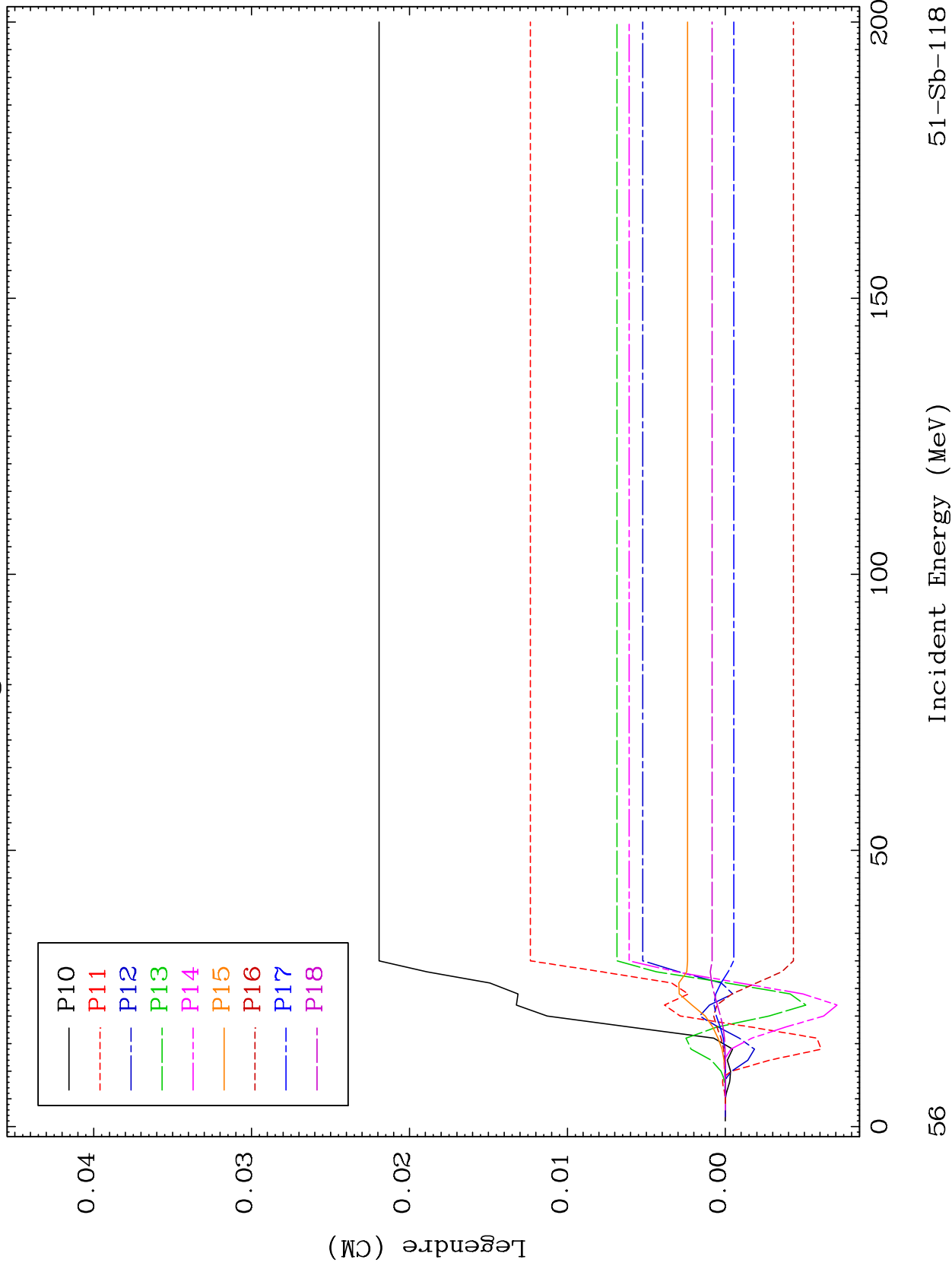
Incident Energy (MeV)

55

MAT 5116

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

51-Sb-118



51-Sb-118

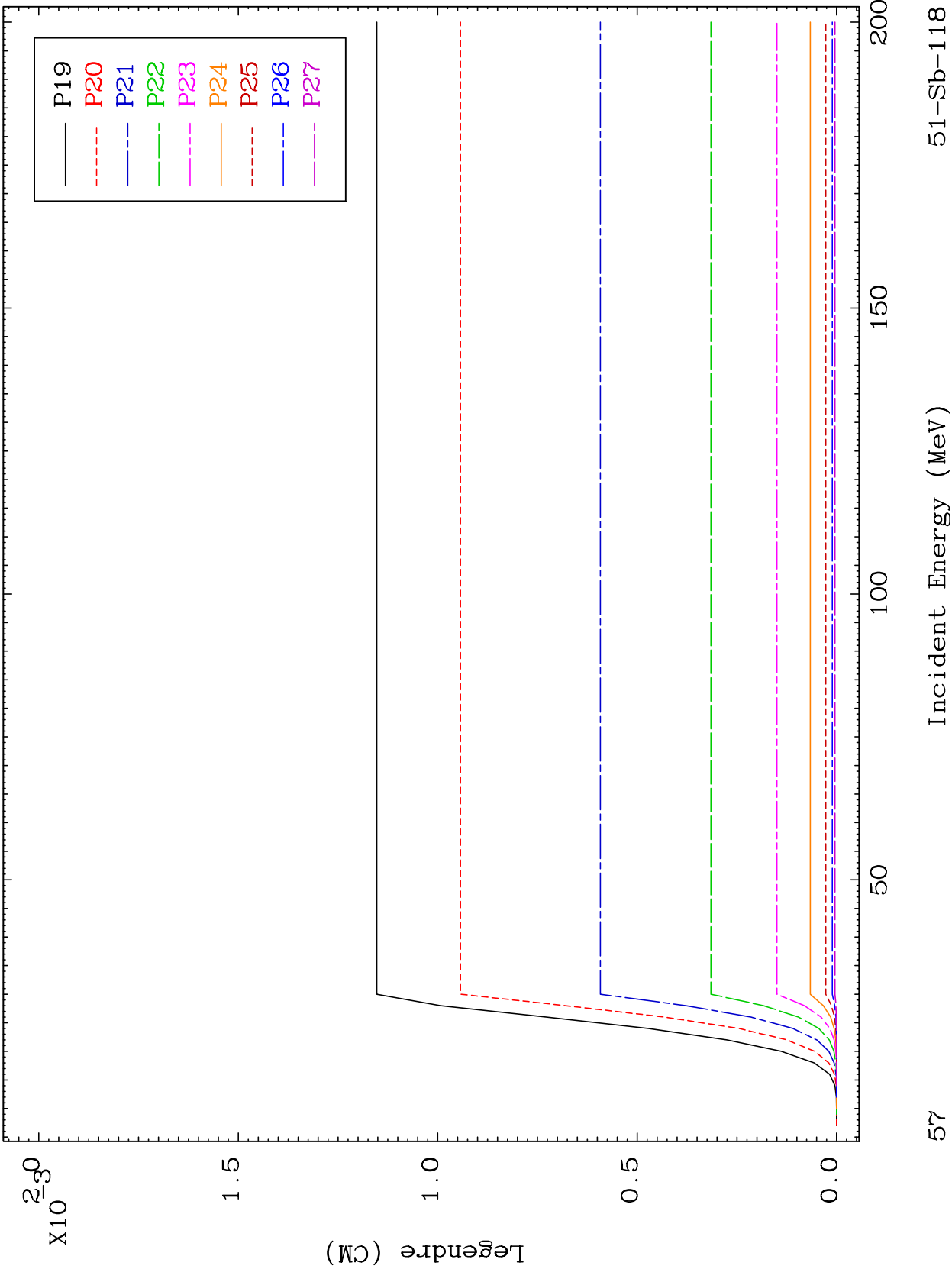
Incident Energy (MeV)

56

MAT 51116

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

51-Sb-118



57

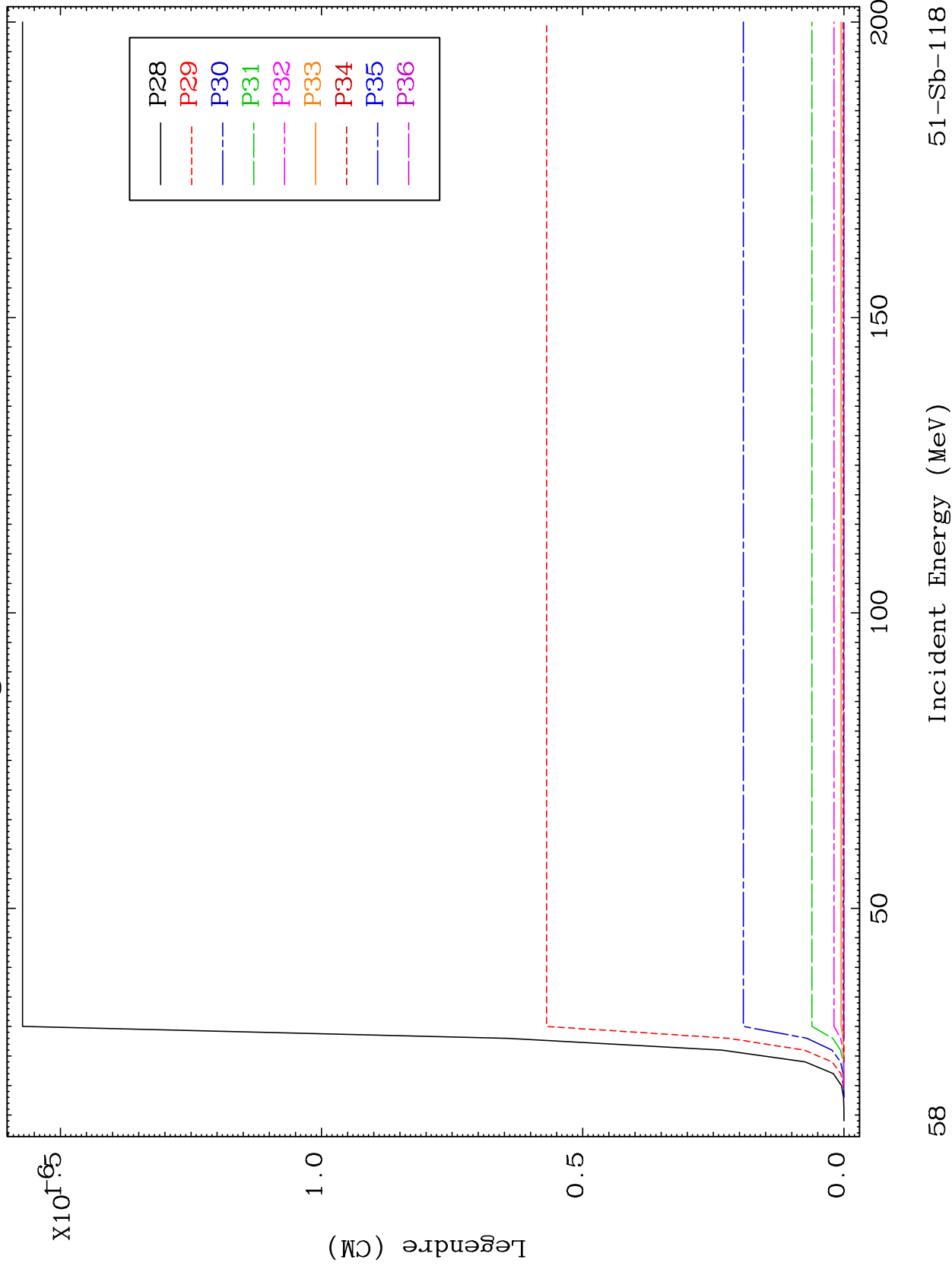
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



58

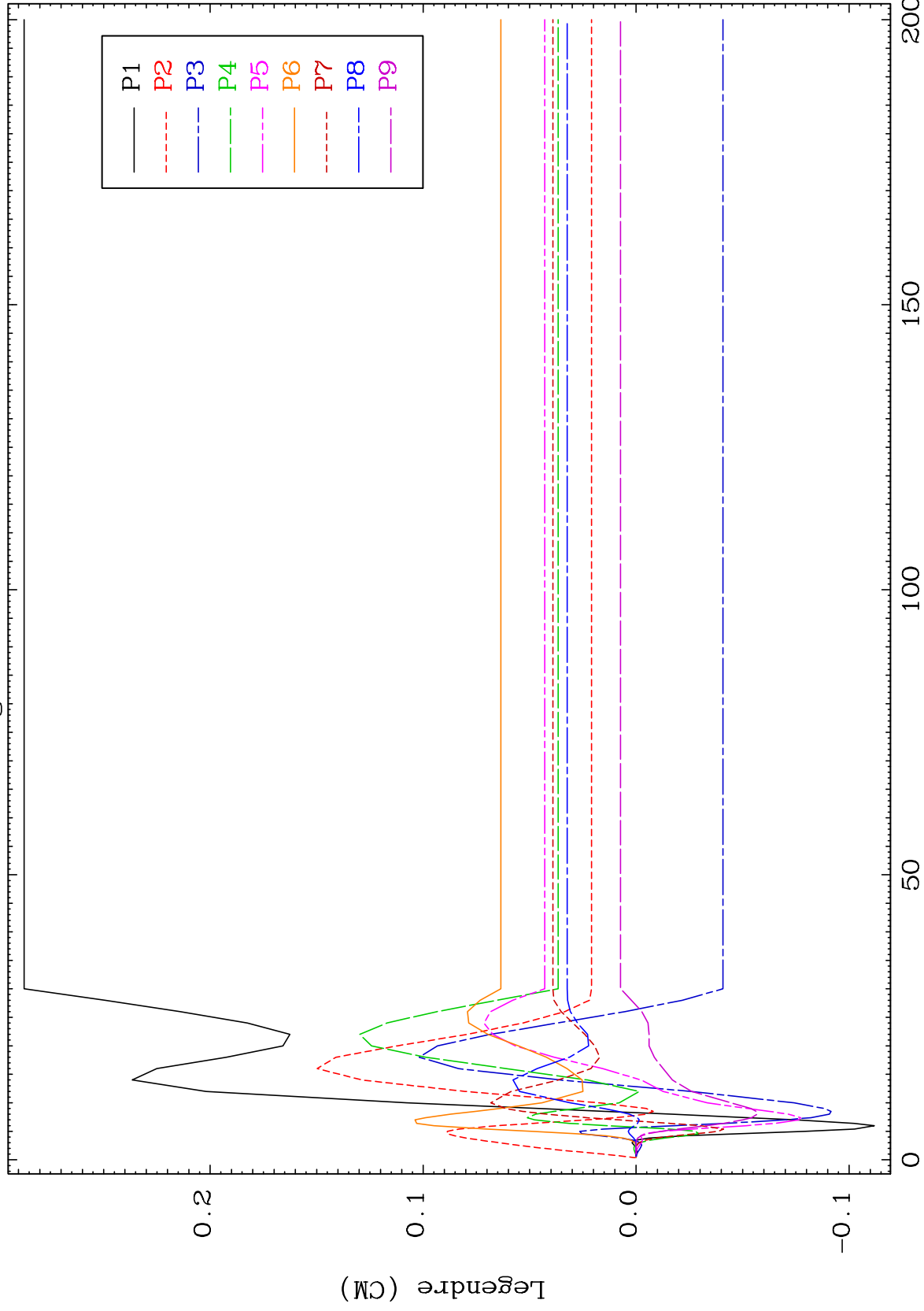
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

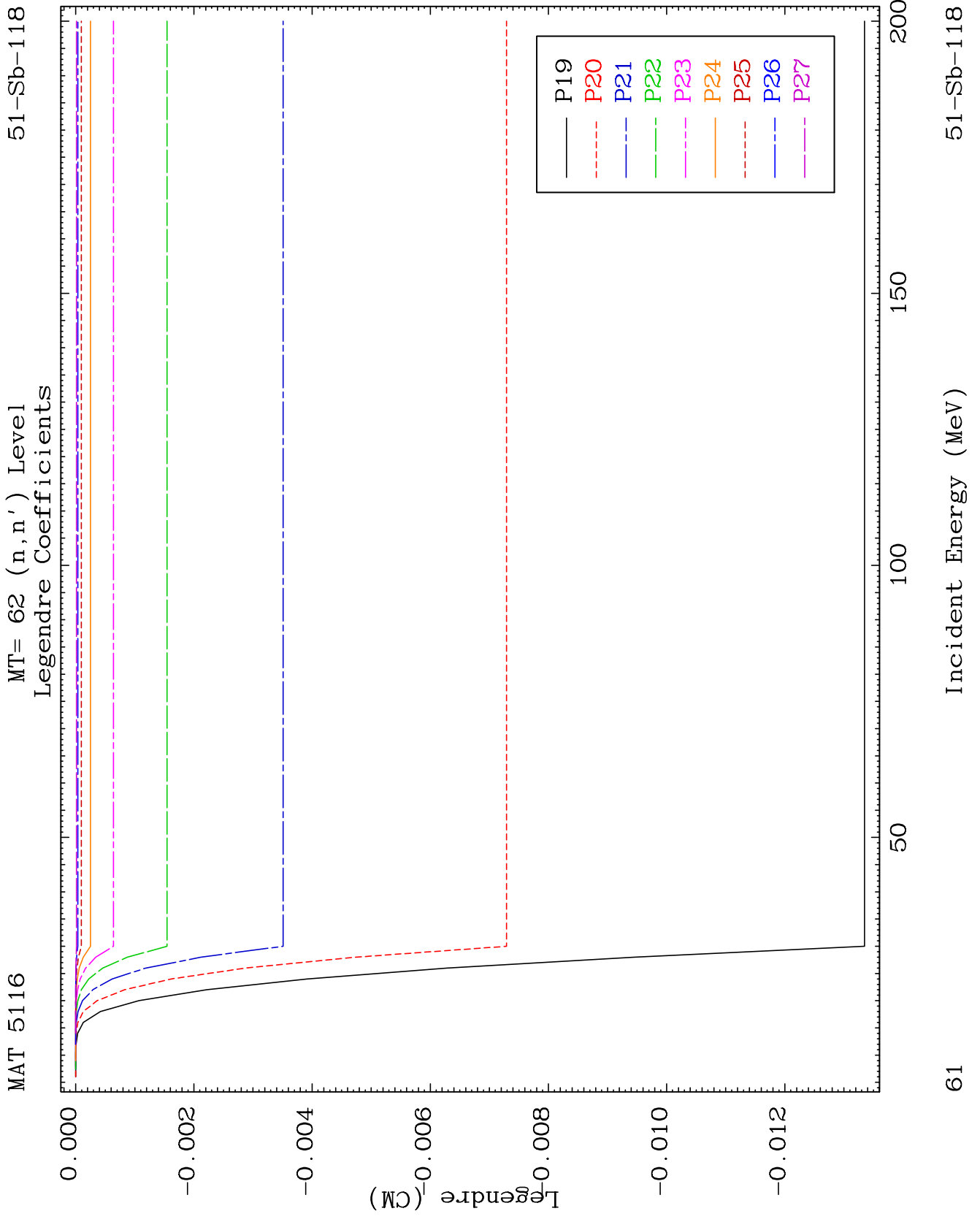
51-Sb-118

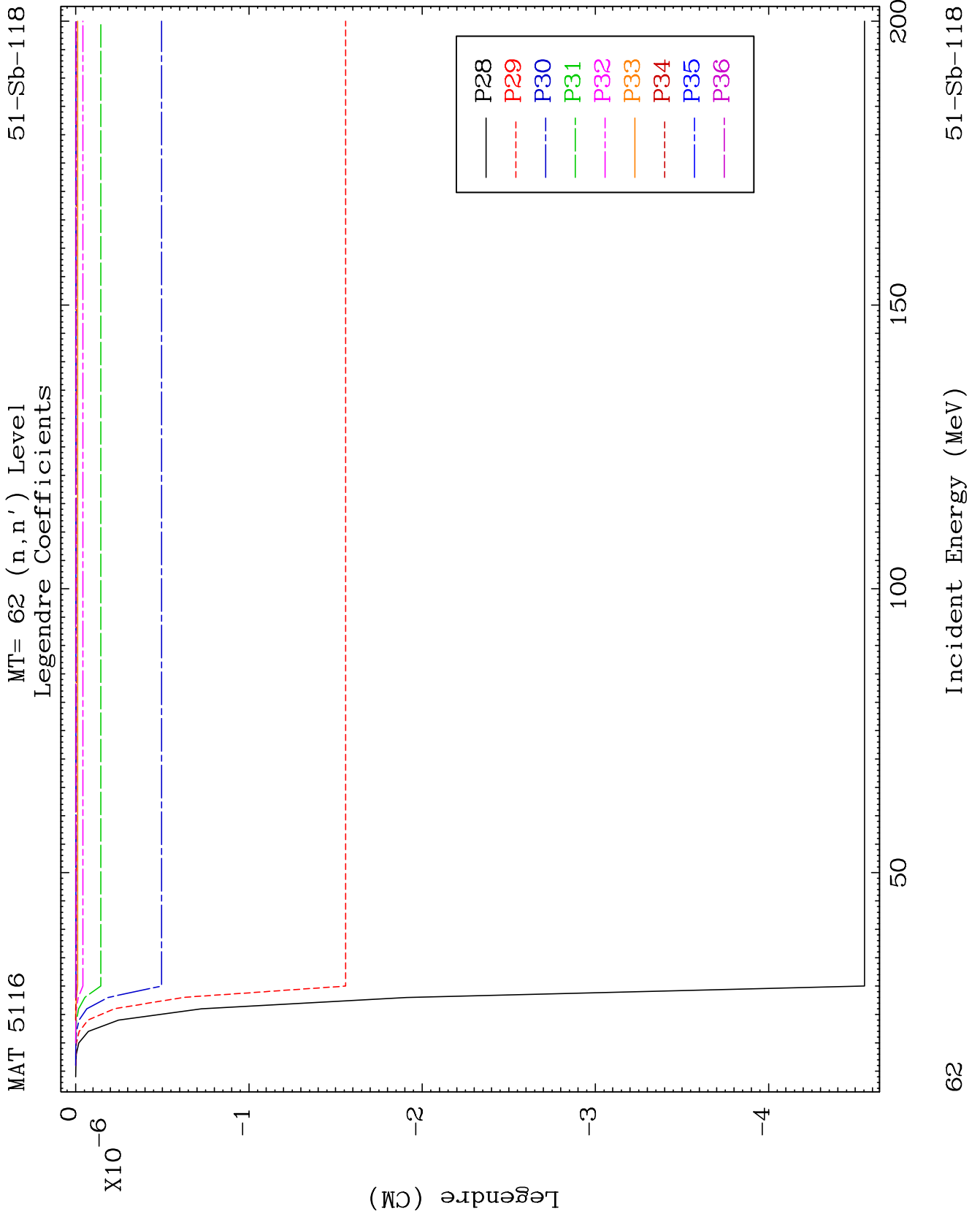


59

Incident Energy (MeV)

51-Sb-118

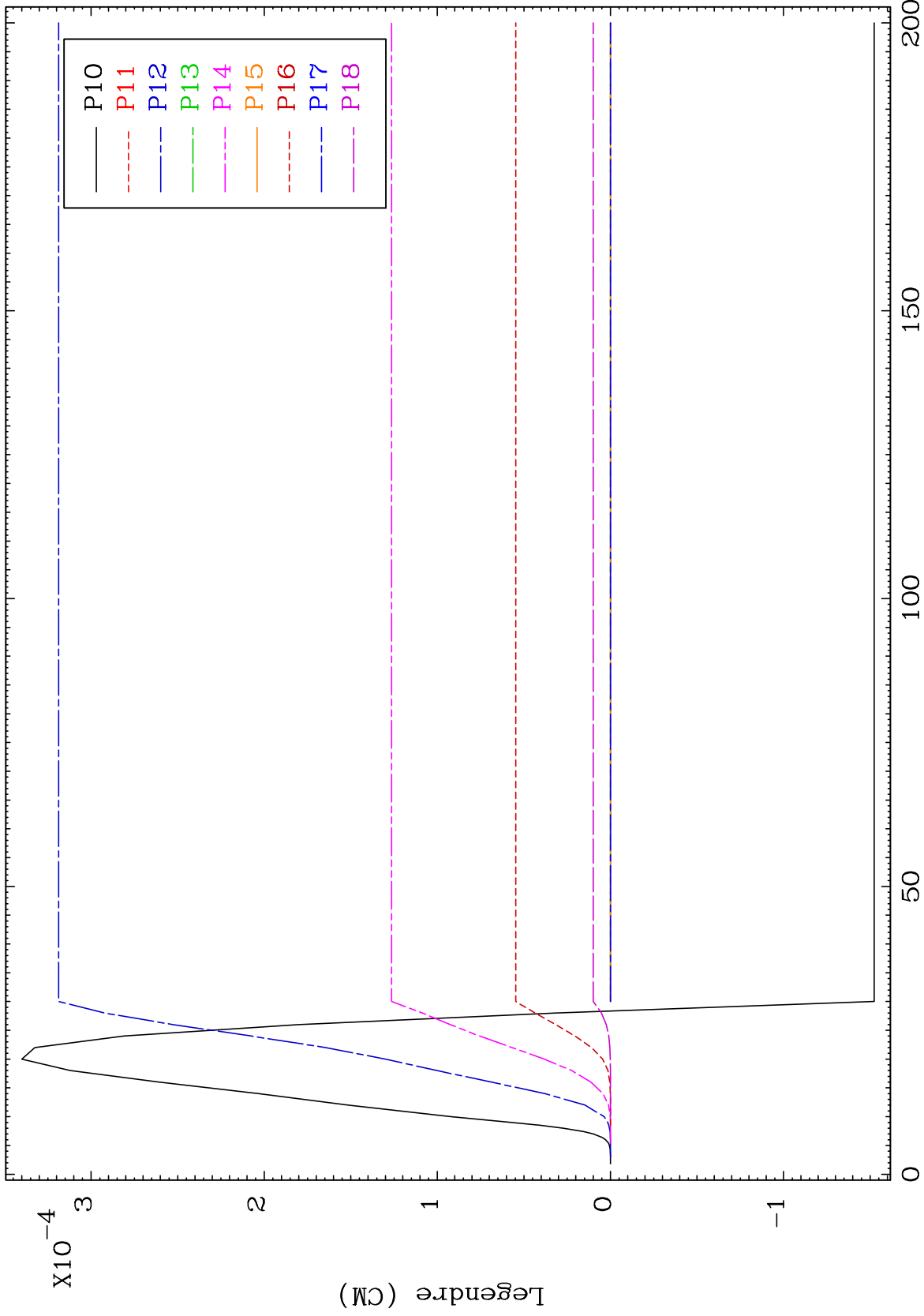




MAT 5116

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

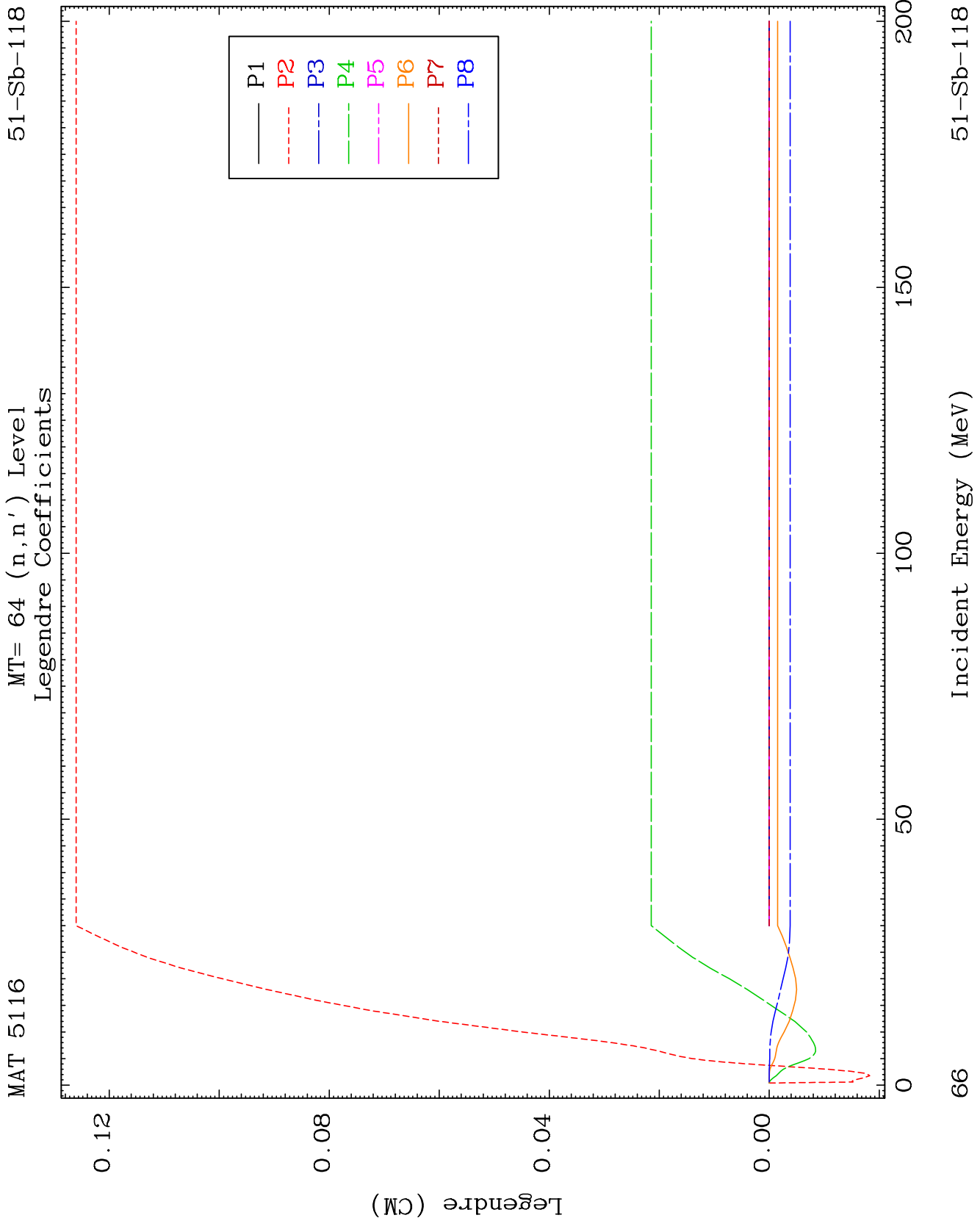
51-Sb-118

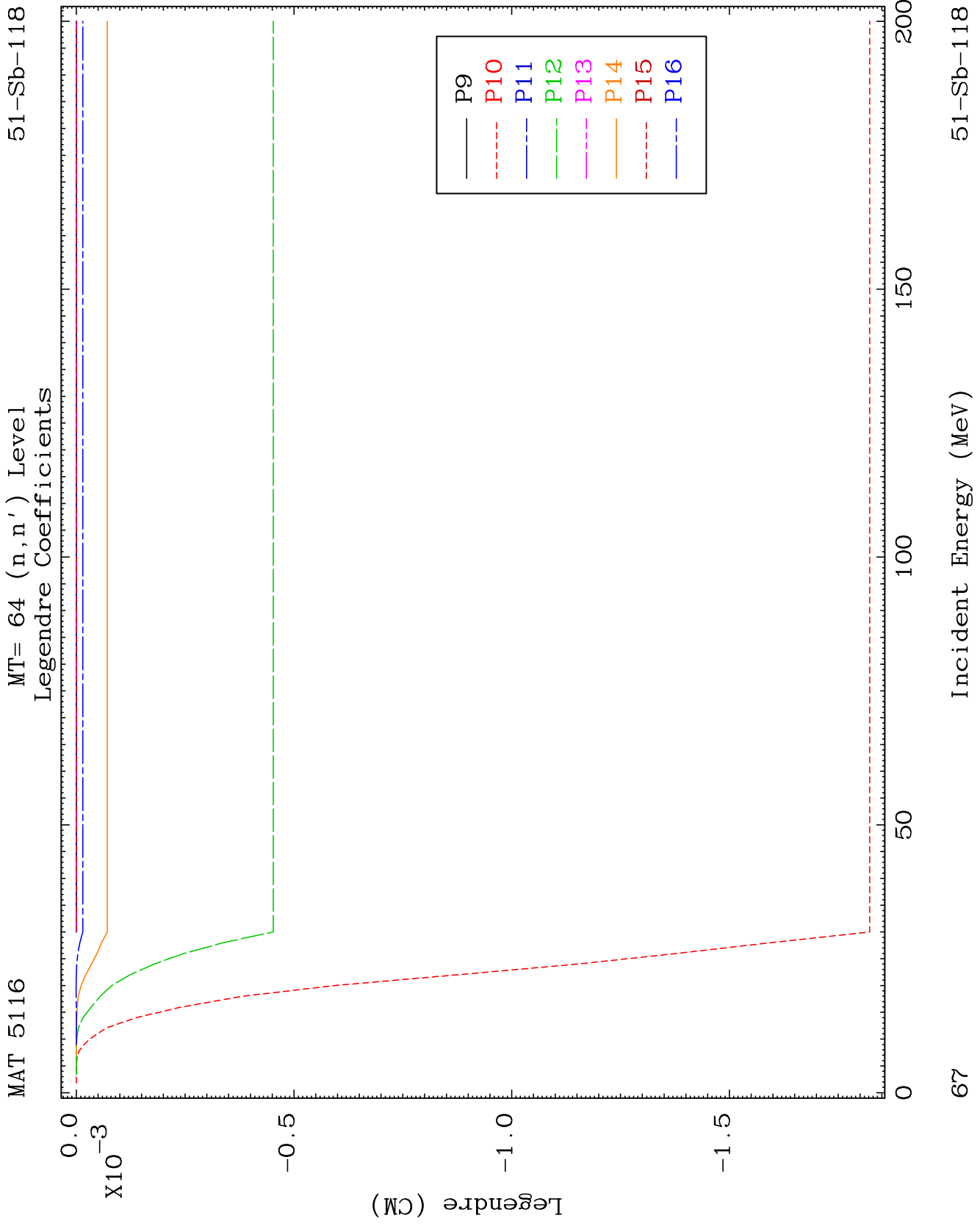


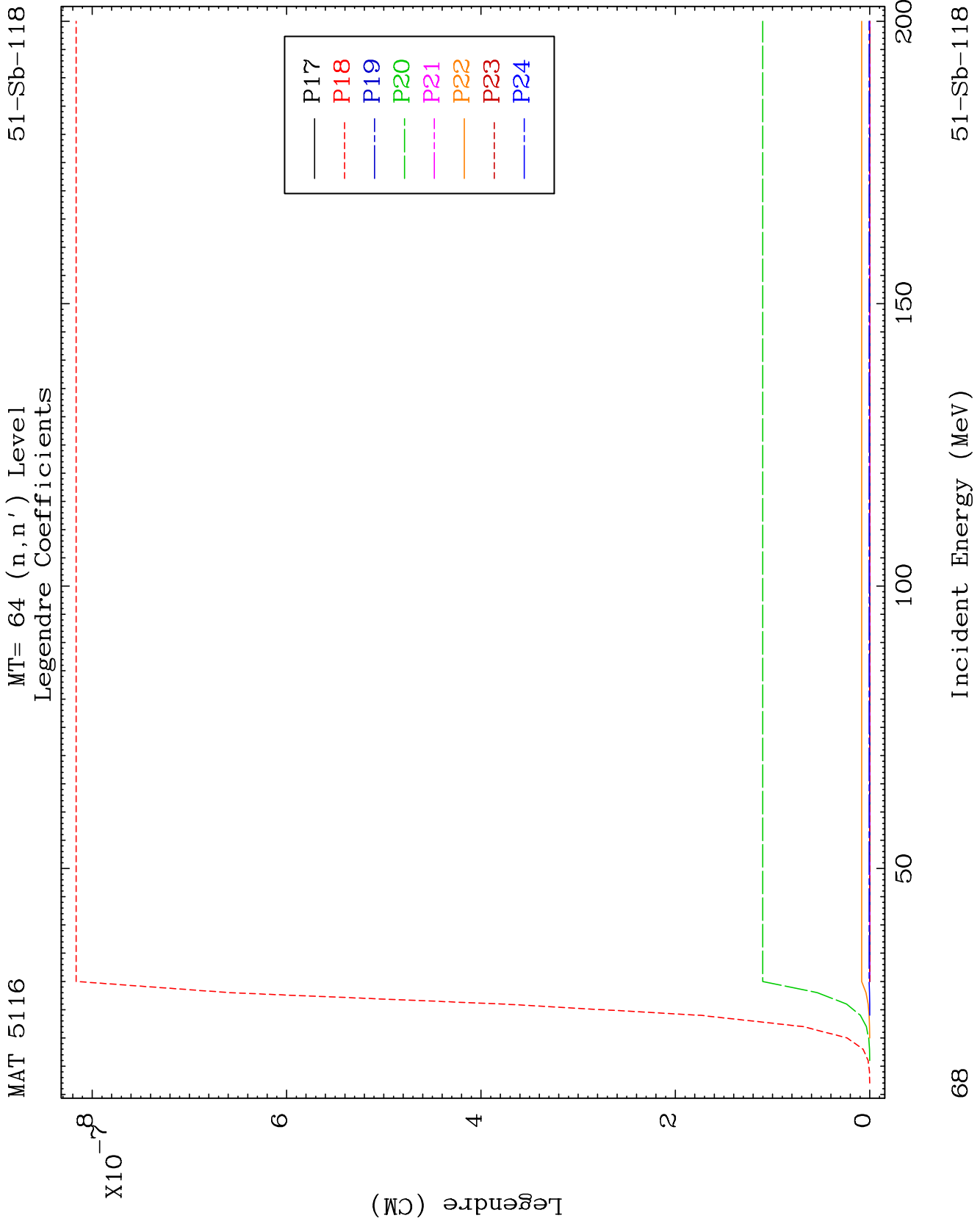
64

Incident Energy (MeV)

51-Sb-118



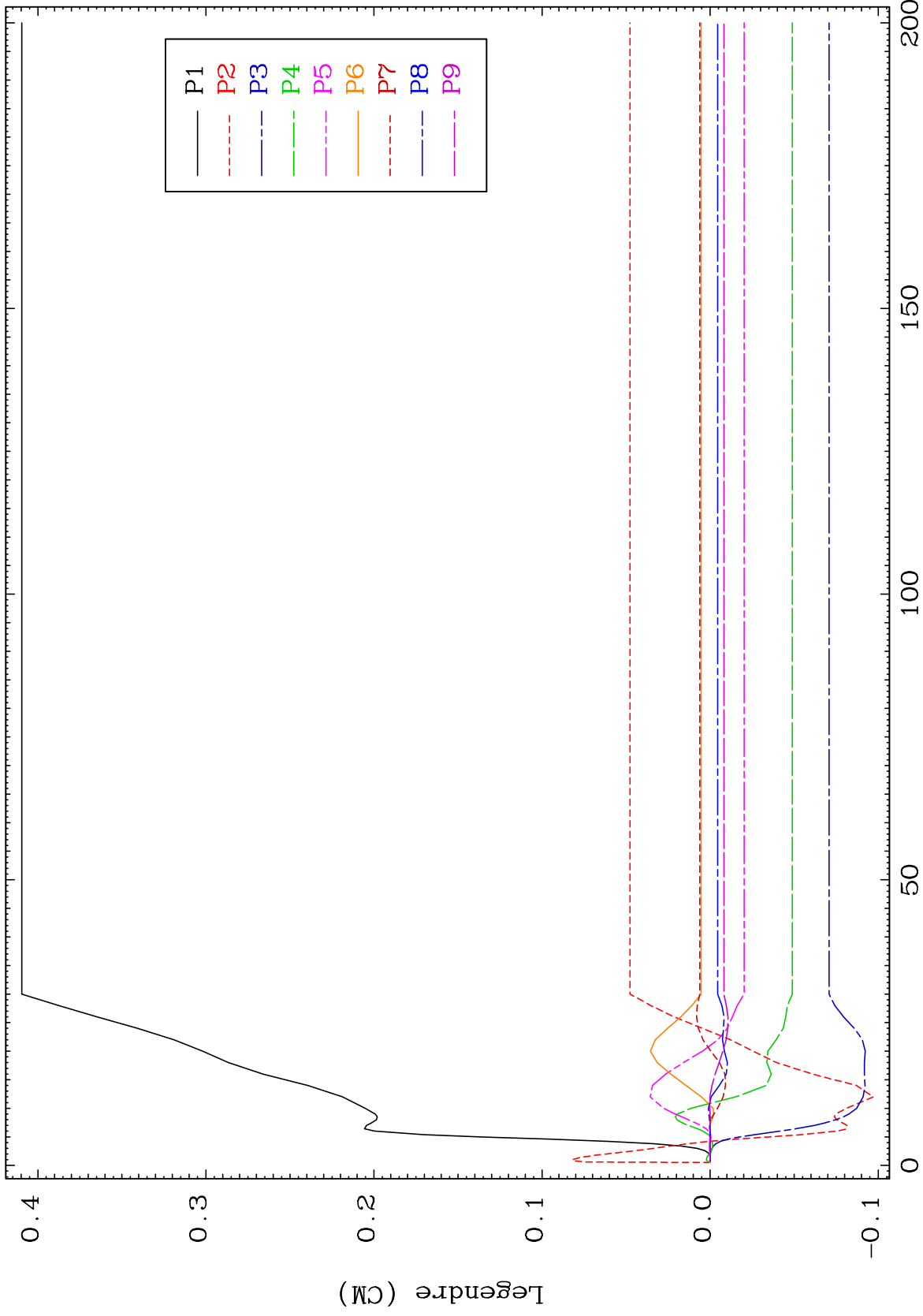




MAT 5116

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

51-Sb-118



69

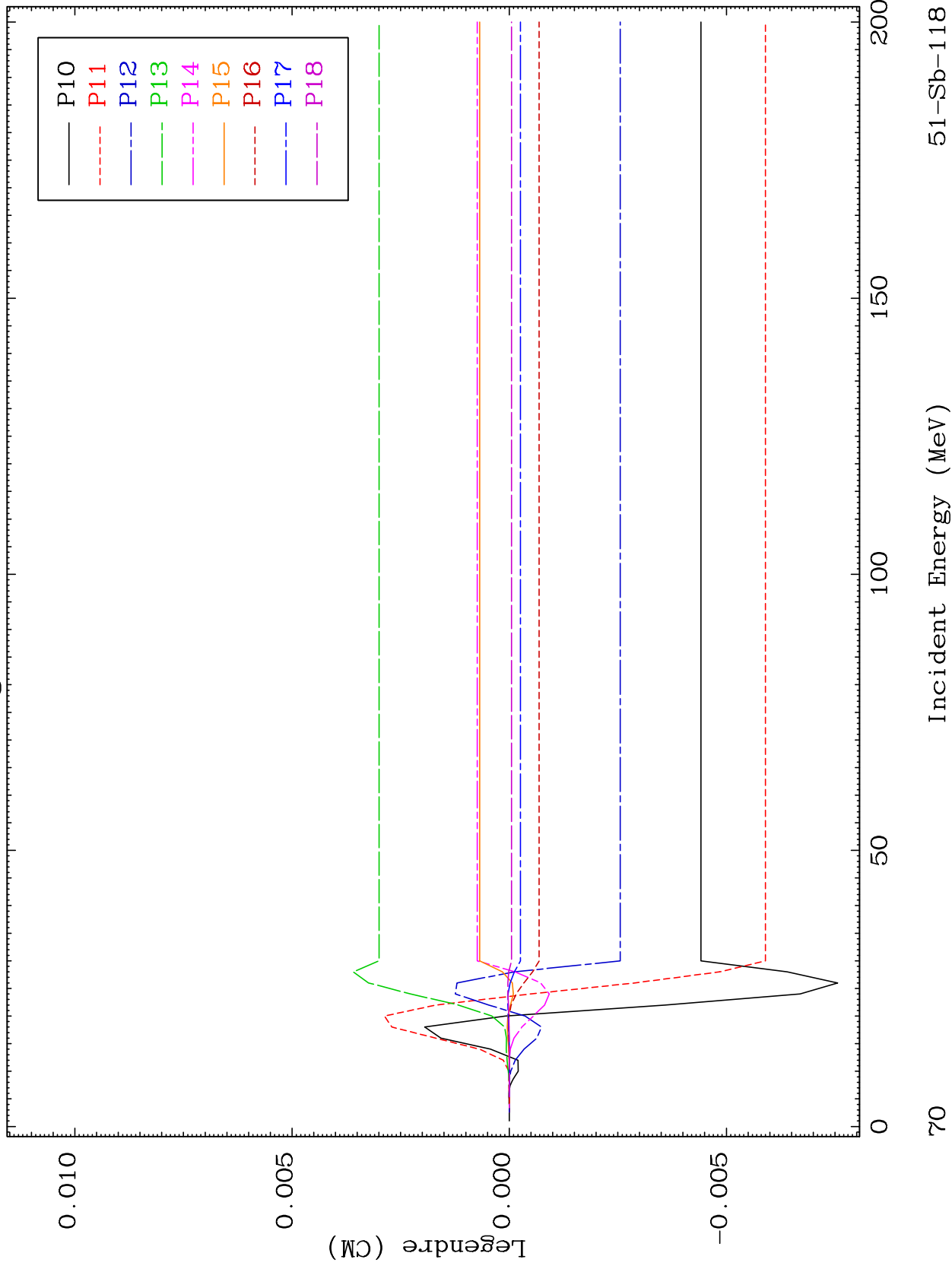
Incident Energy (MeV)

51-Sb-118

MAT 51116

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

51-Sb-118



51-Sb-118

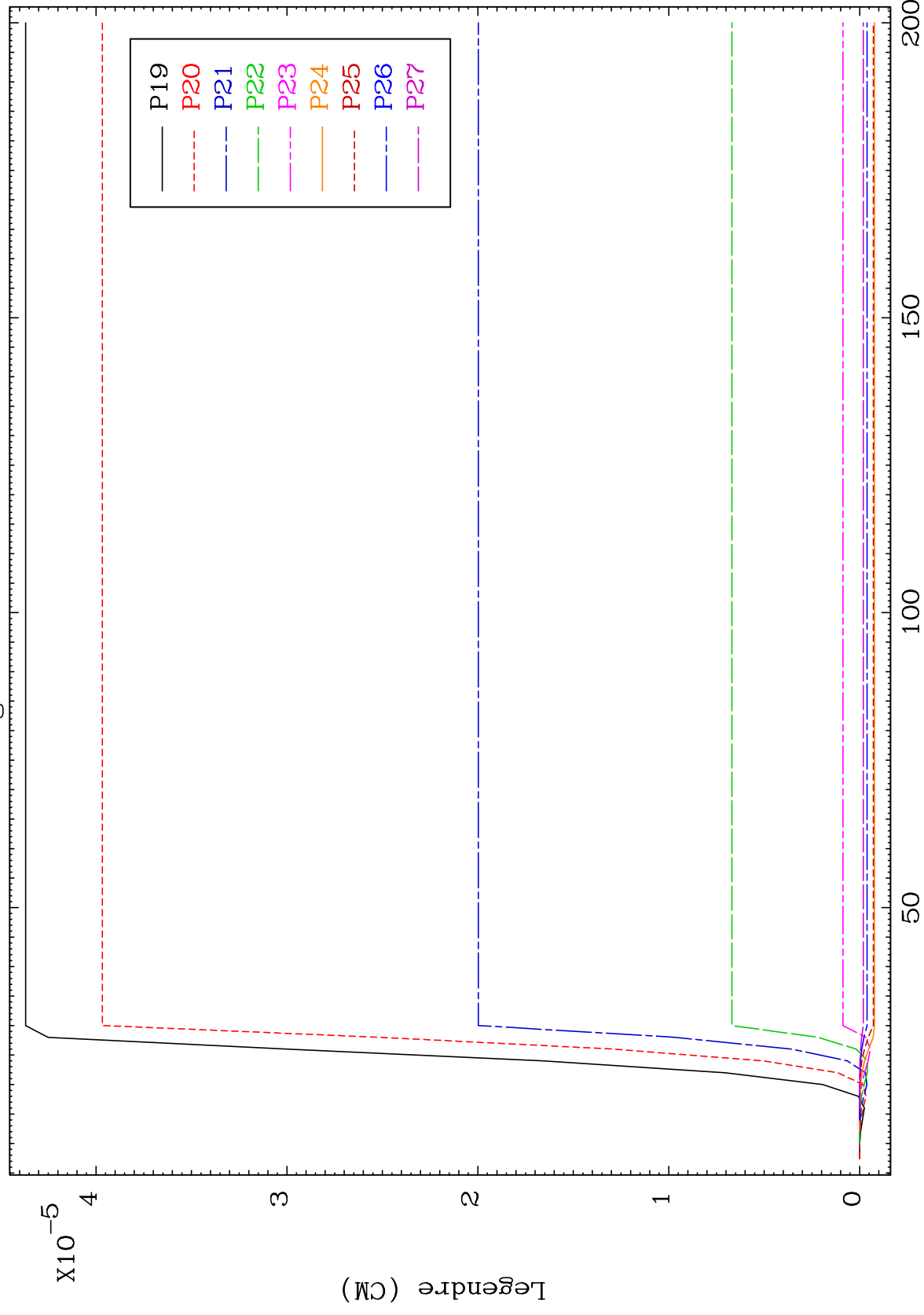
Incident Energy (MeV)

70

MAT 5116

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

51-Sb-118



71

Incident Energy (MeV)

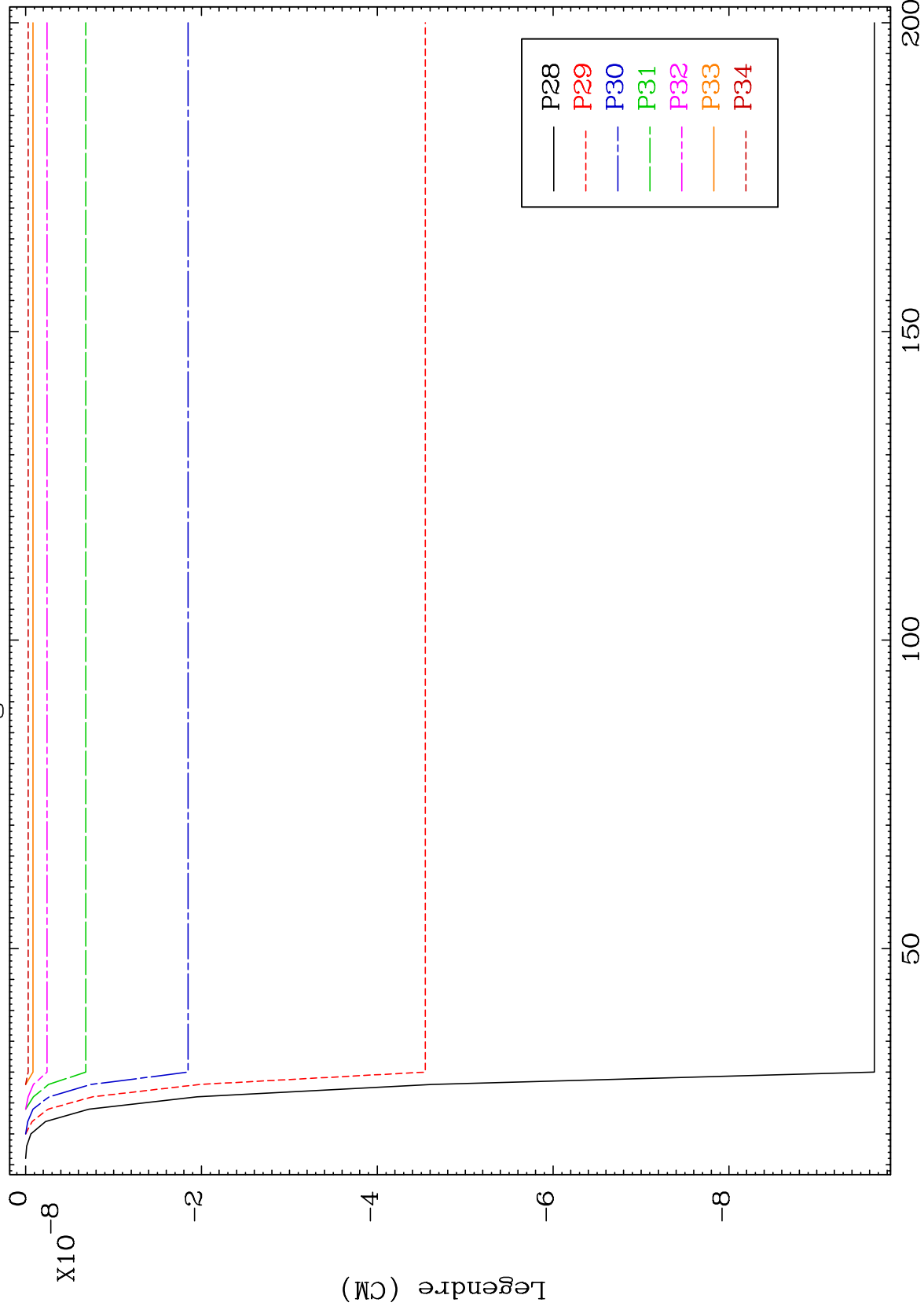
51-Sb-118

MAT 5116

MT= 65 (n,n') Level

51-Sb-118

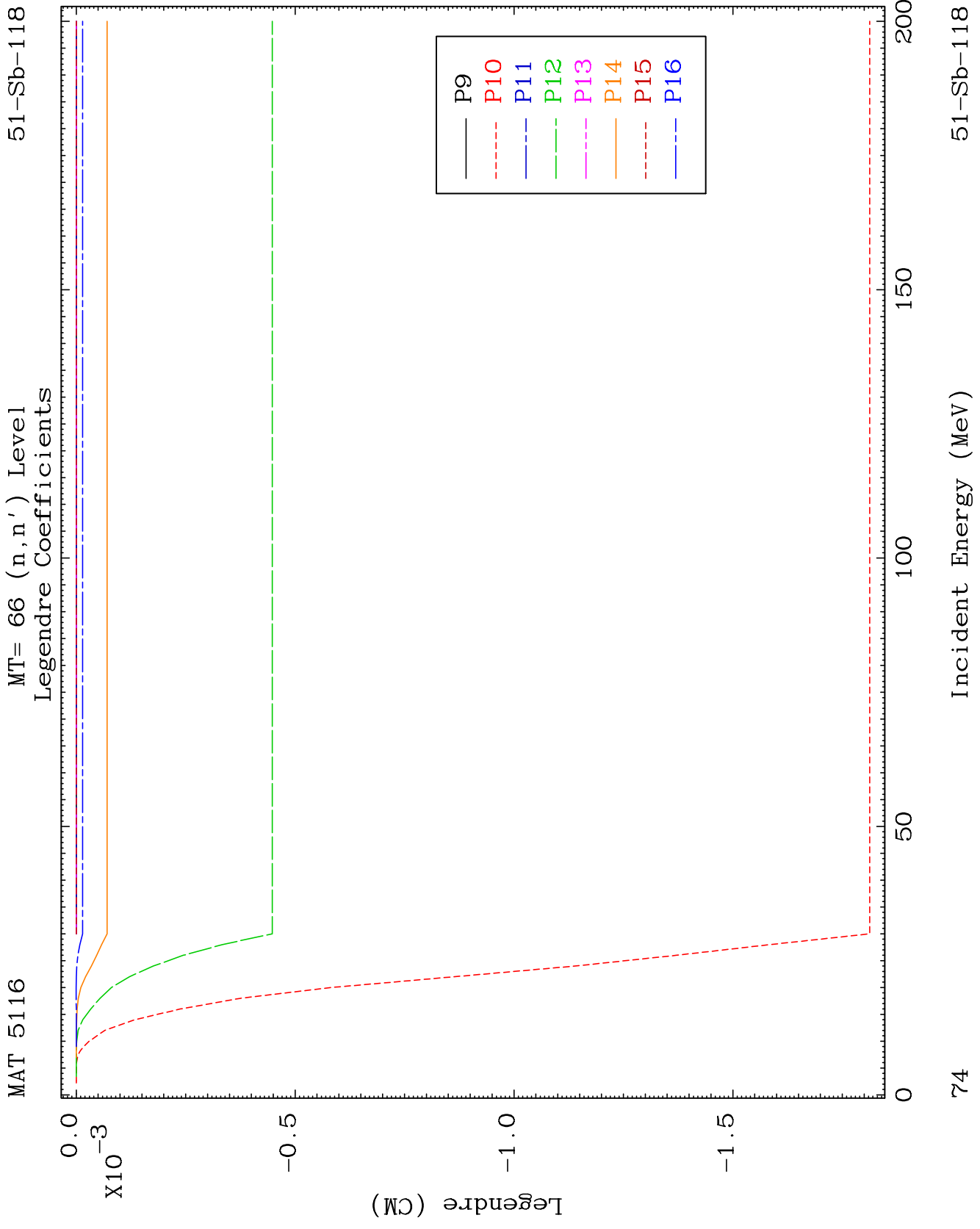
Legendre Coefficients

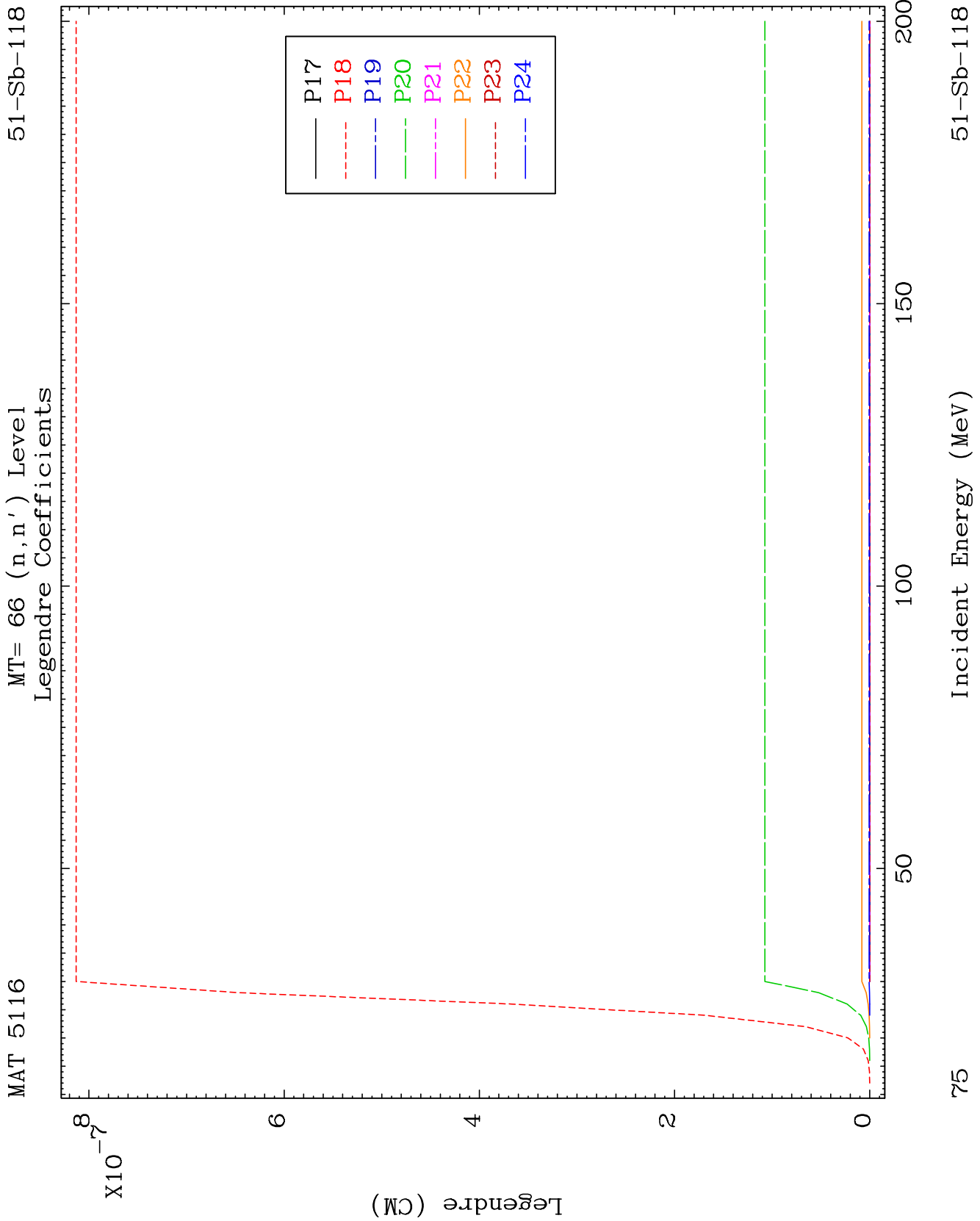


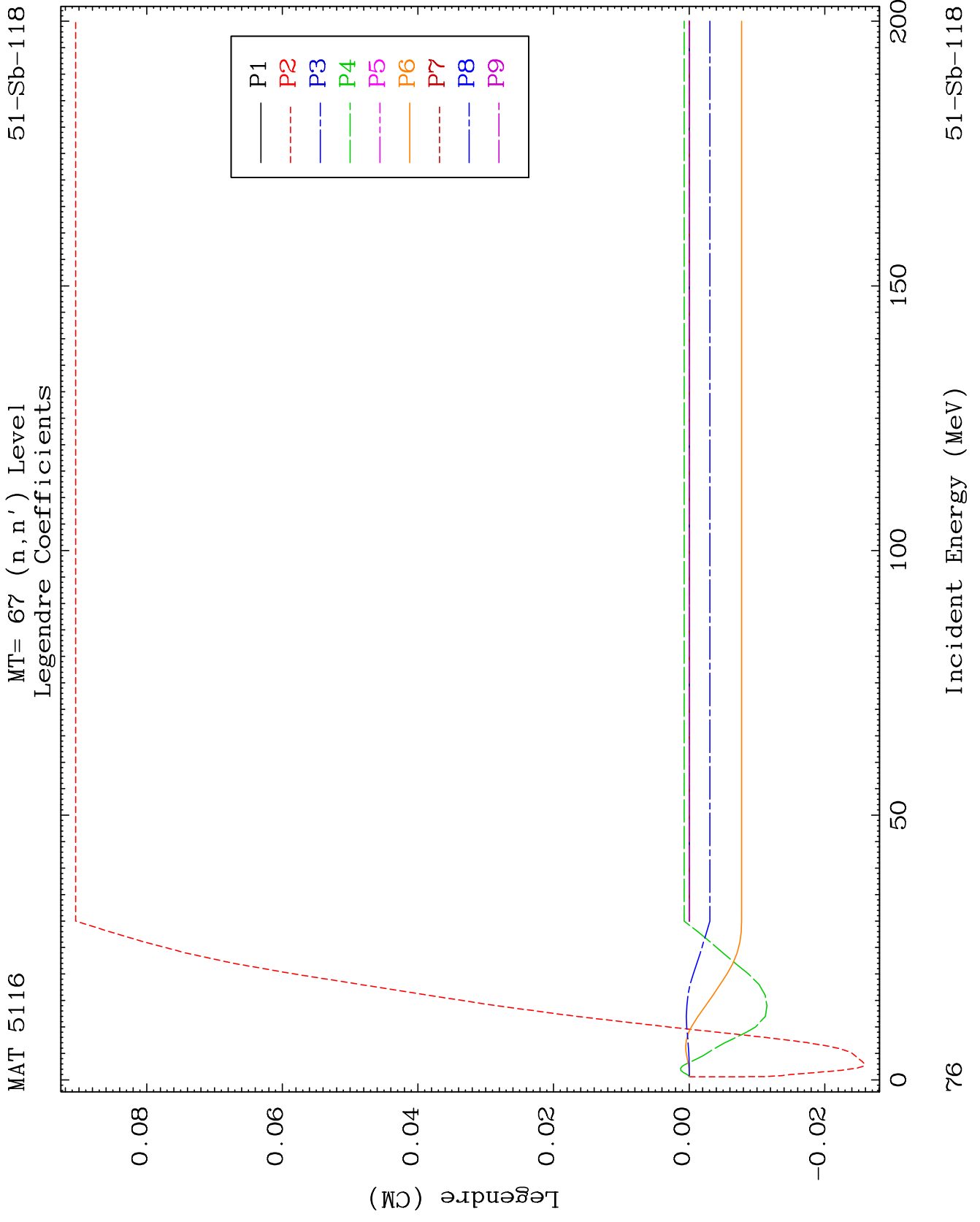
51-Sb-118

Incident Energy (MeV)

72



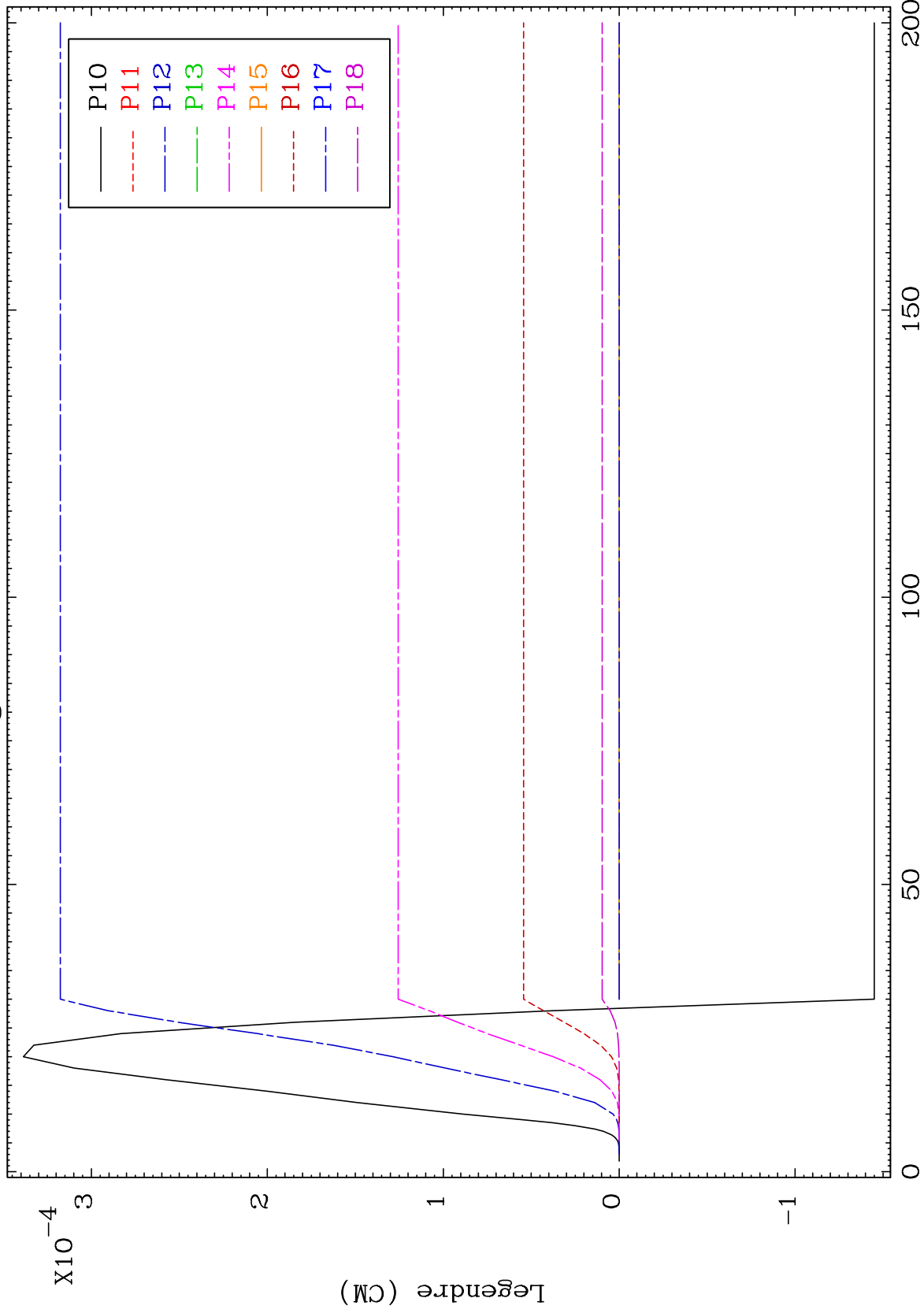




MAT 5116

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

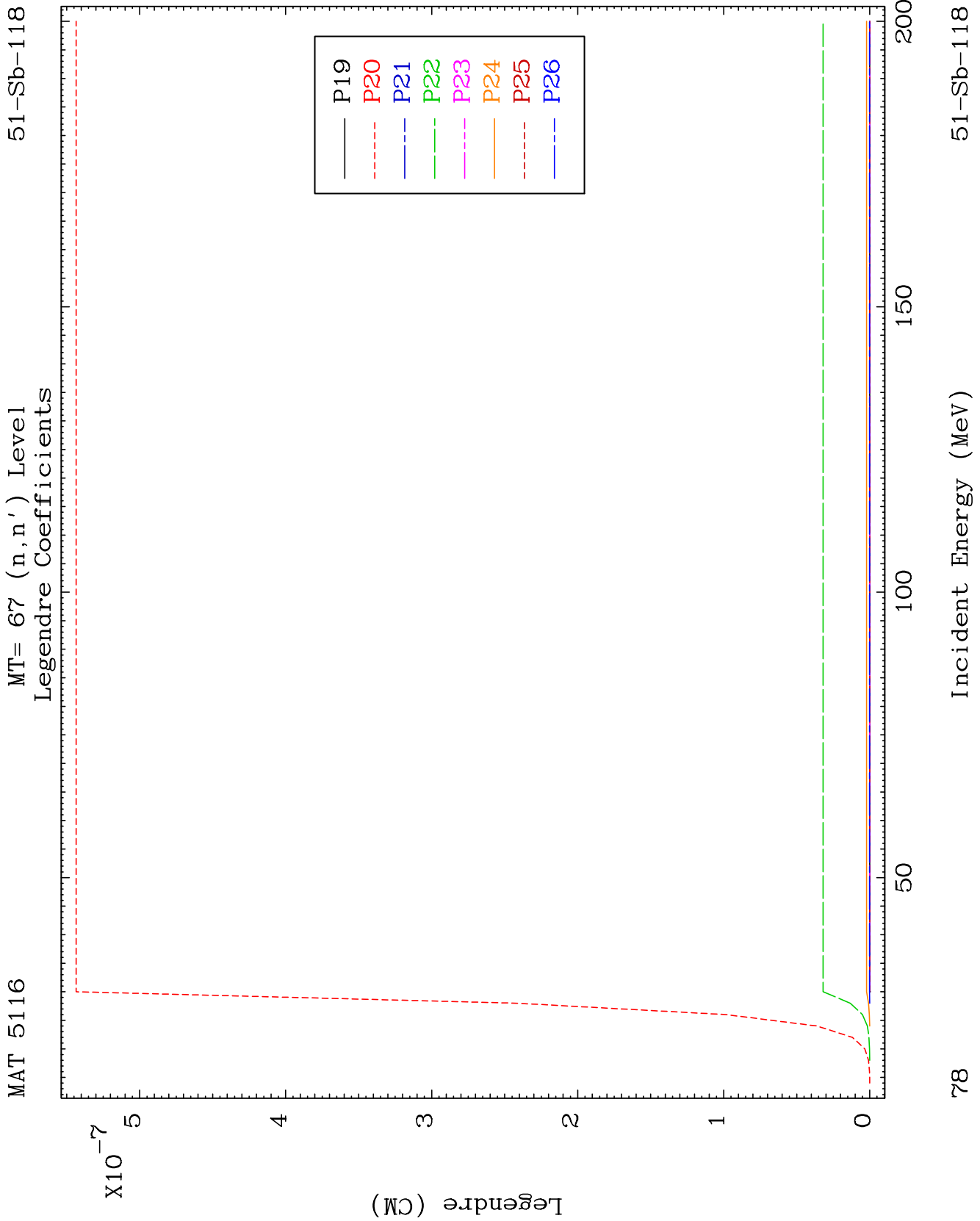
51-Sb-118



77

Incident Energy (MeV)

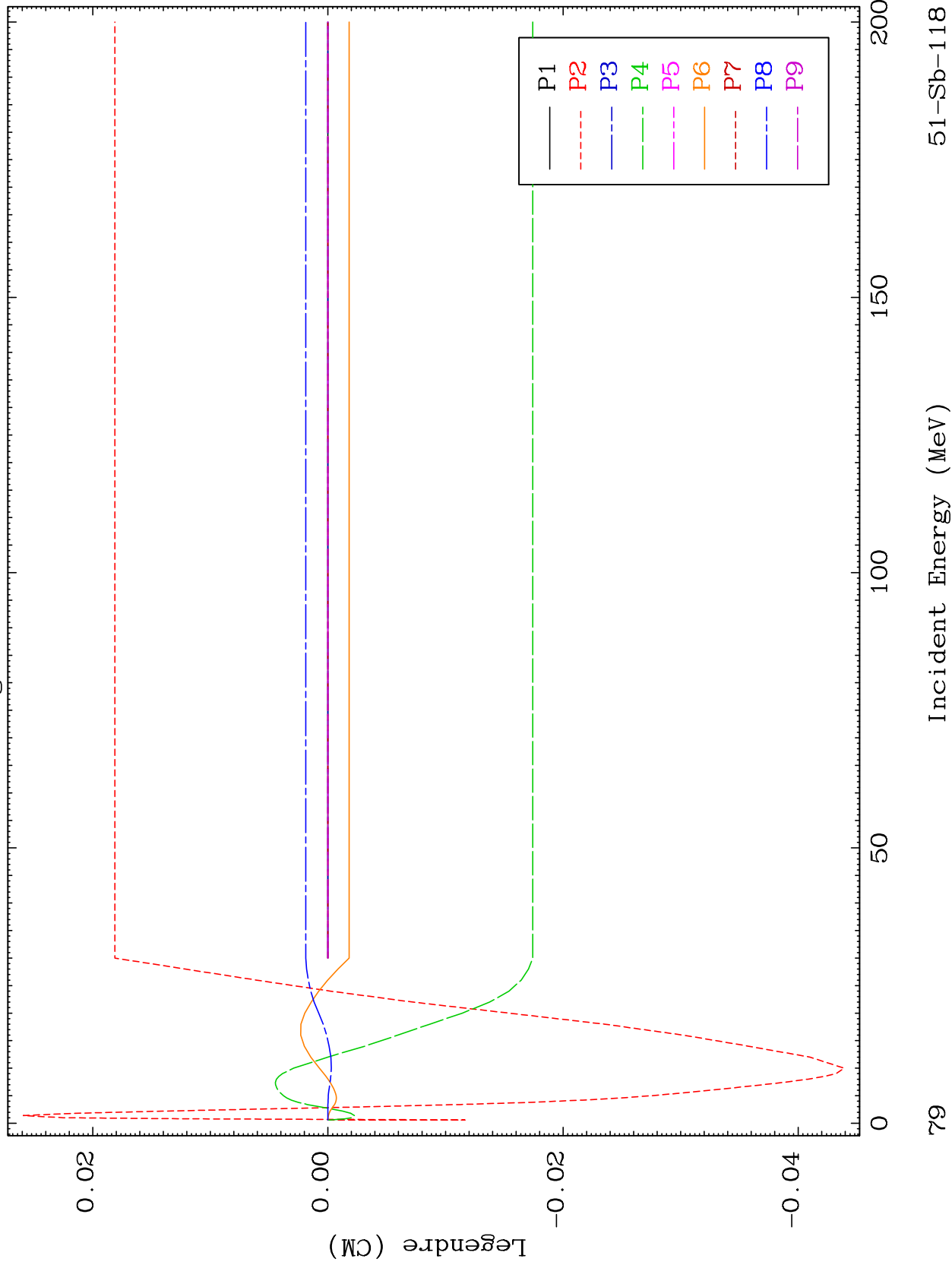
51-Sb-118



MAT 5116

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

51-Sb-118



51-Sb-118

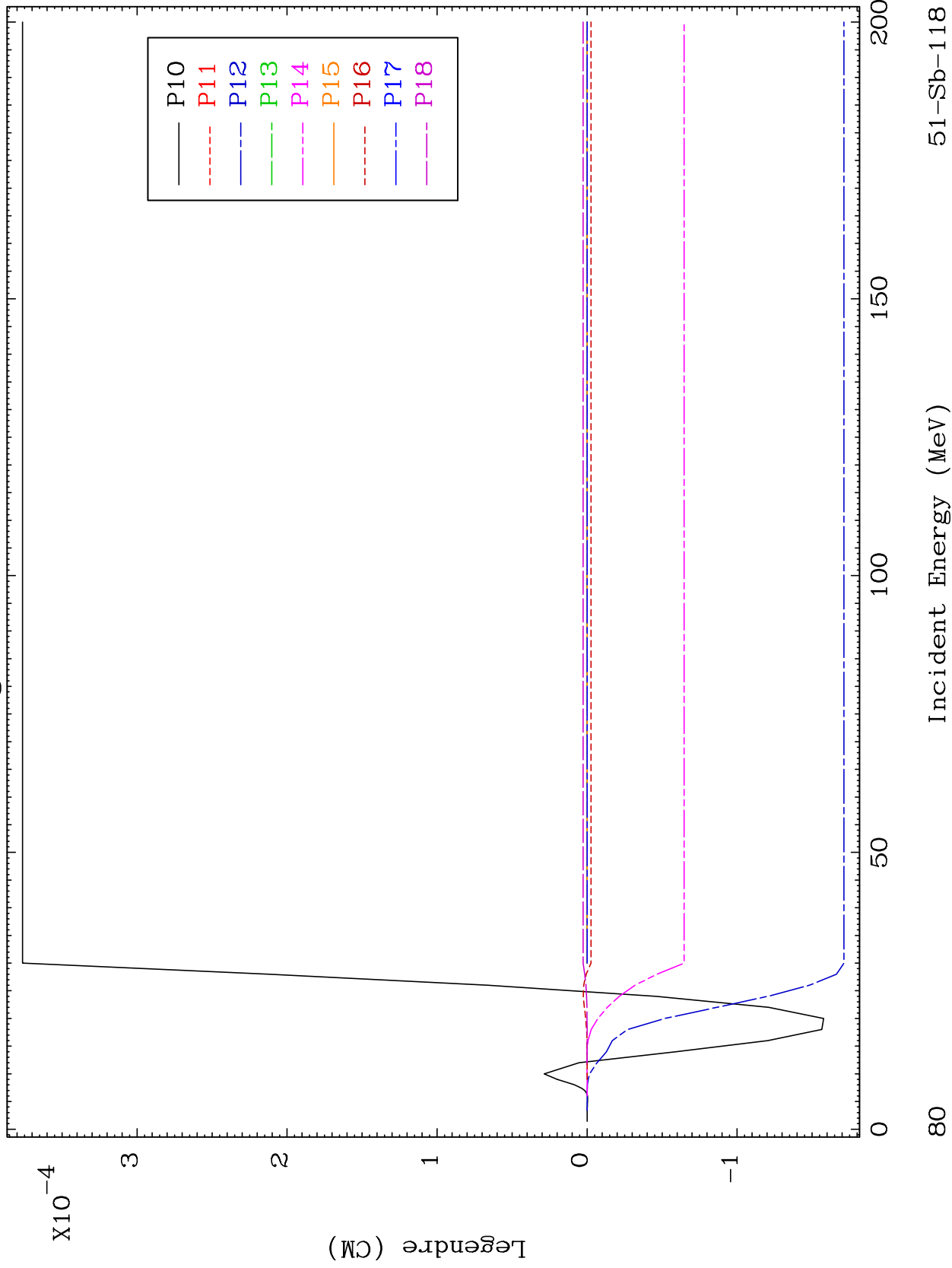
Incident Energy (MeV)

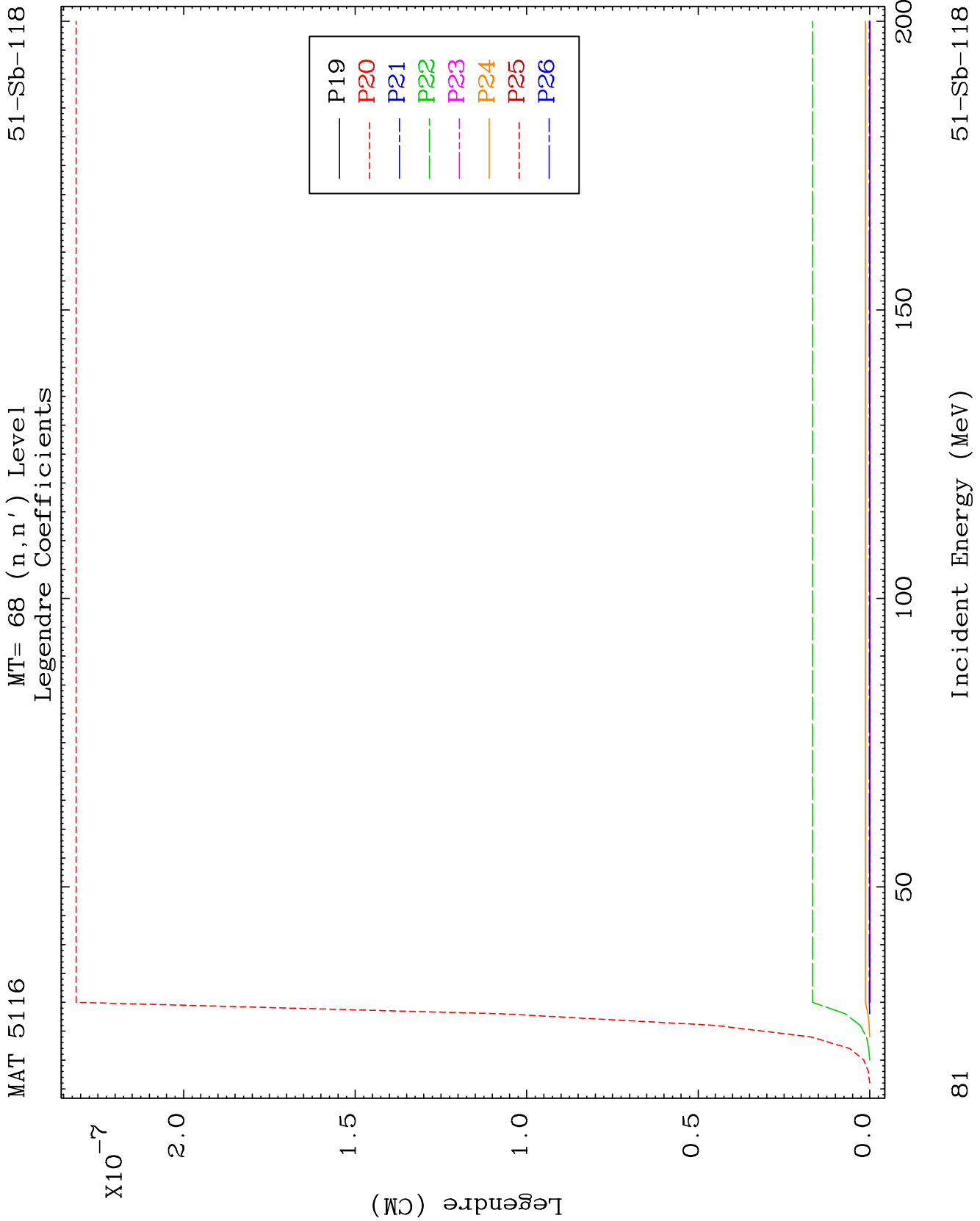
79

MAT 51116

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

51-Sb-118

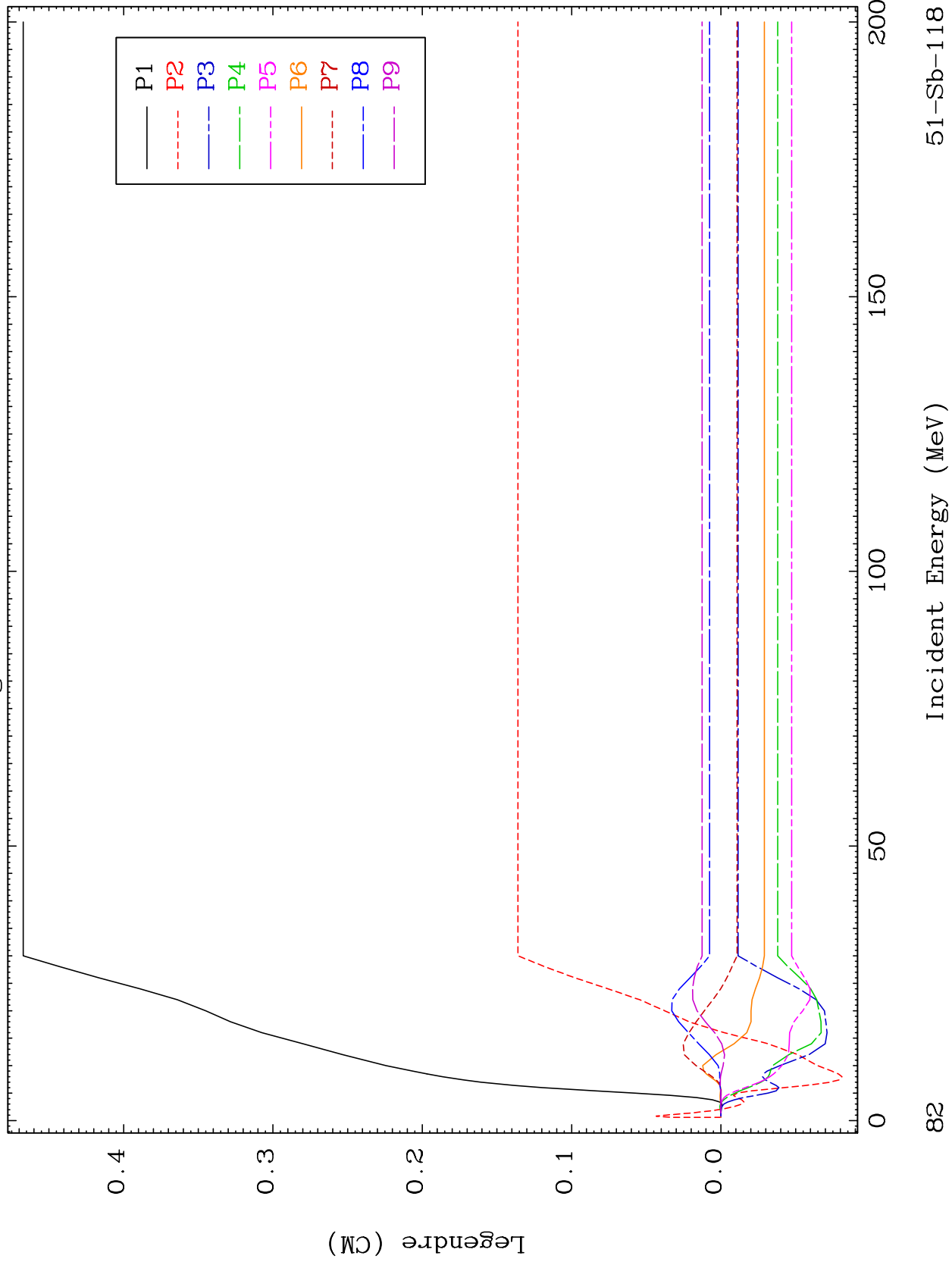




MAT 5116

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

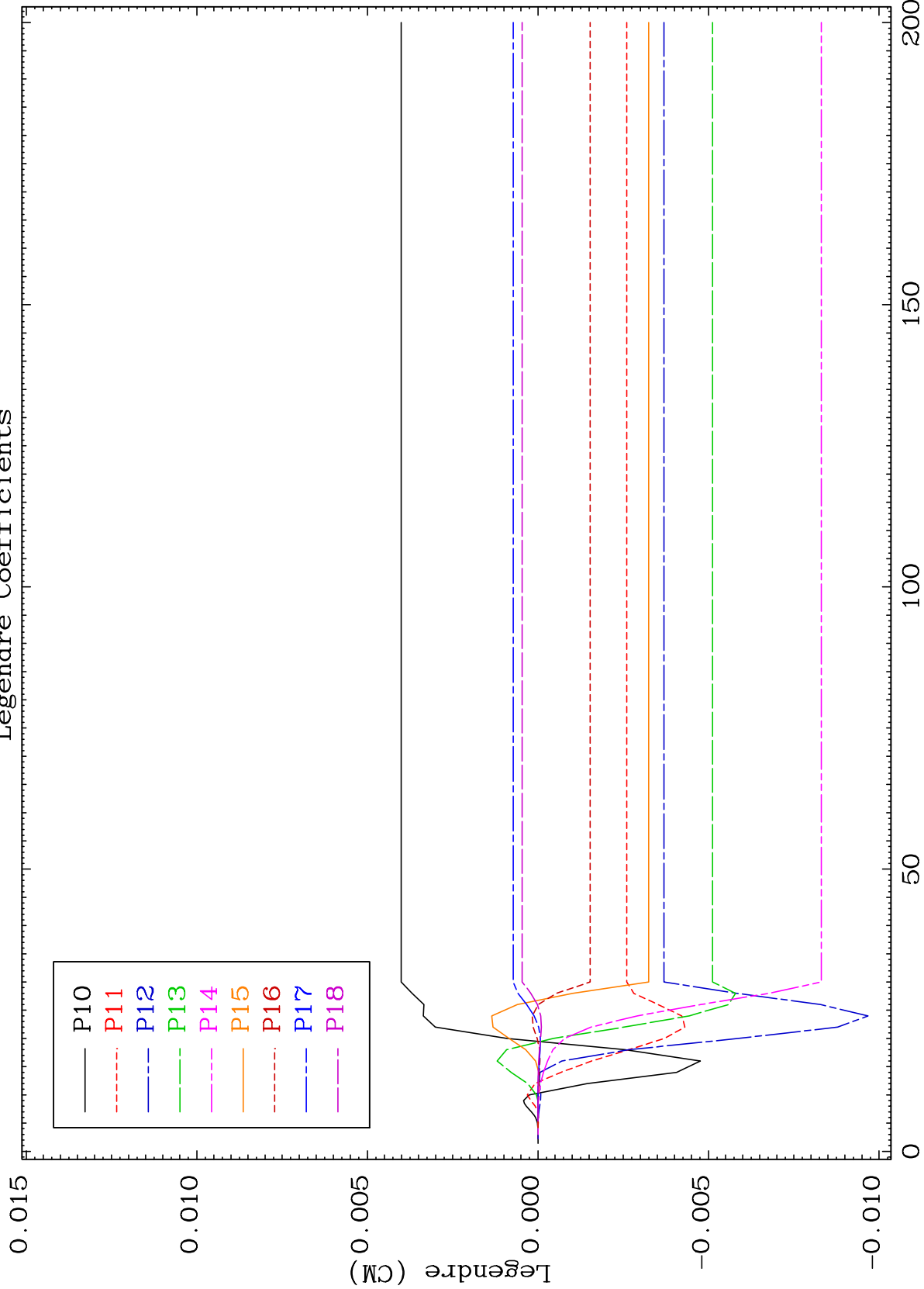
51-Sb-118

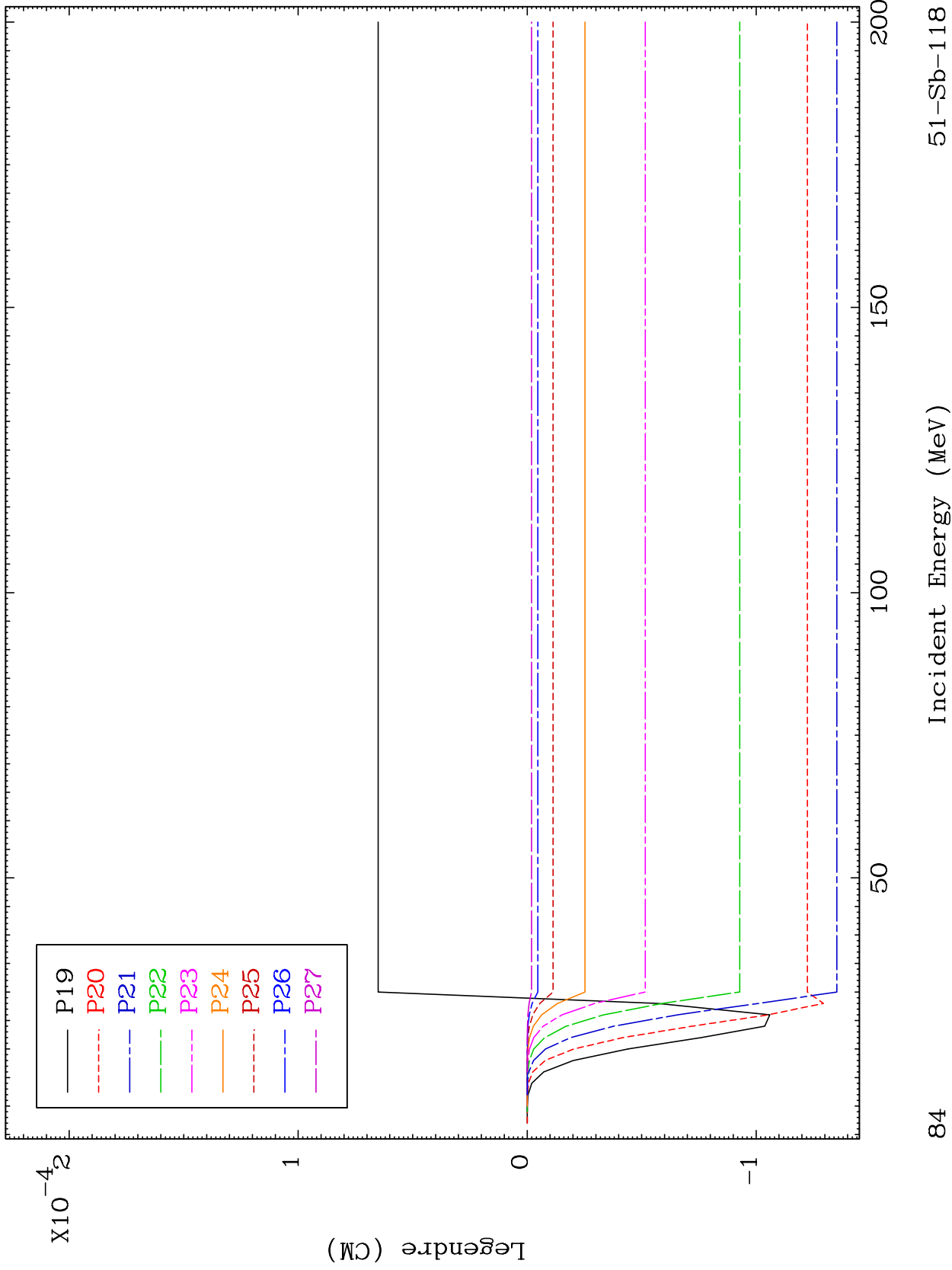


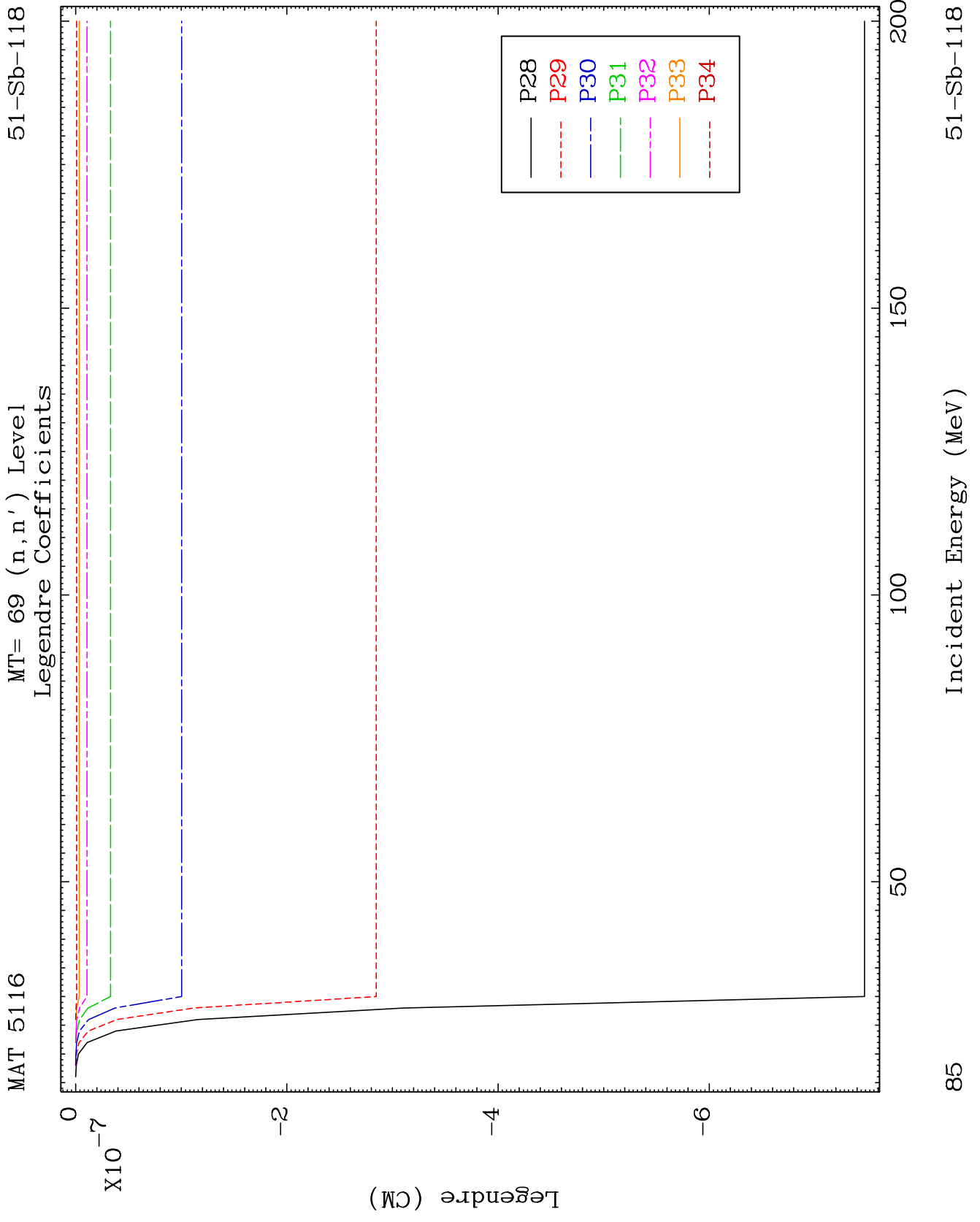
51-Sb-118

Incident Energy (MeV)

82



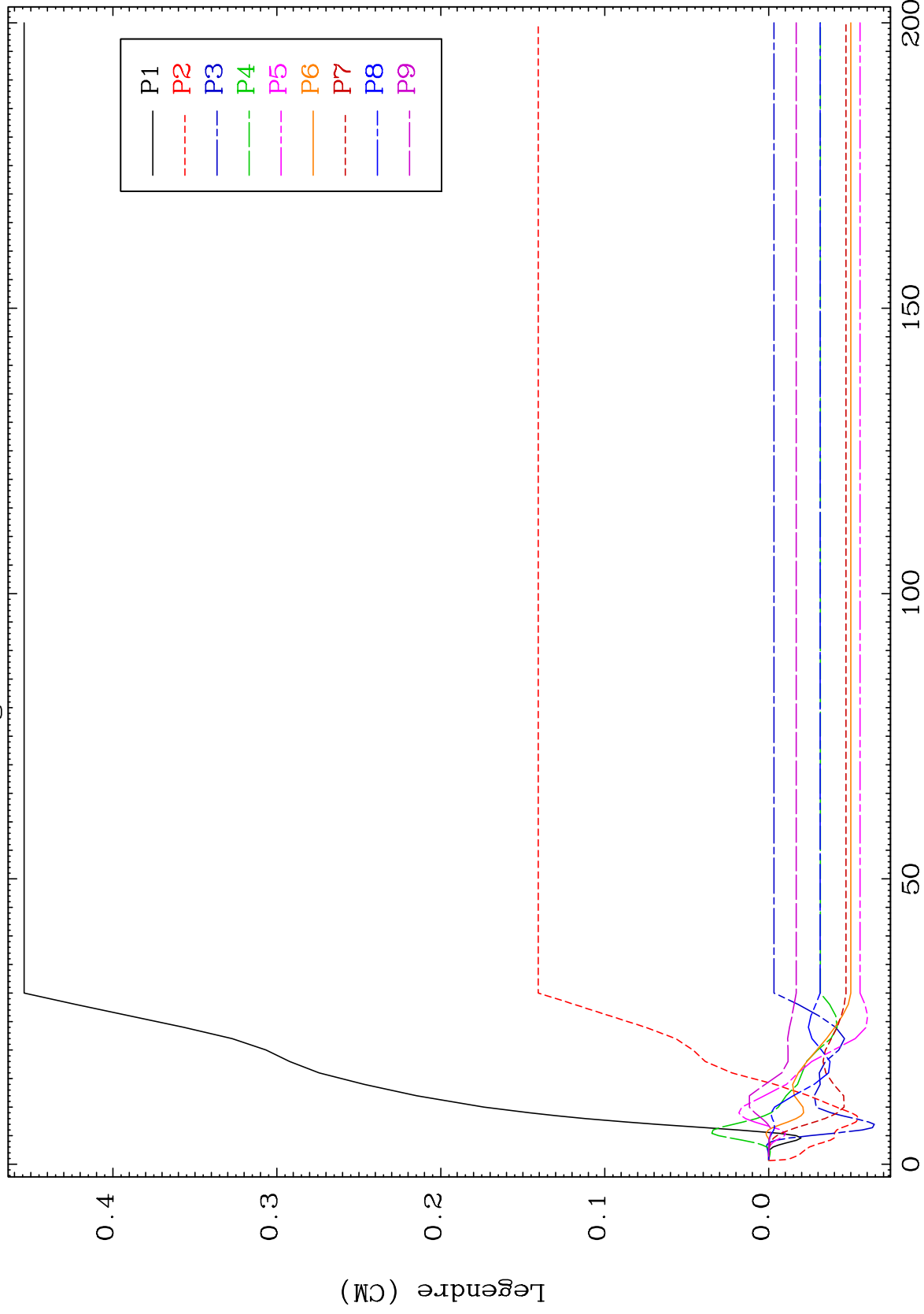




MAT 5116

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

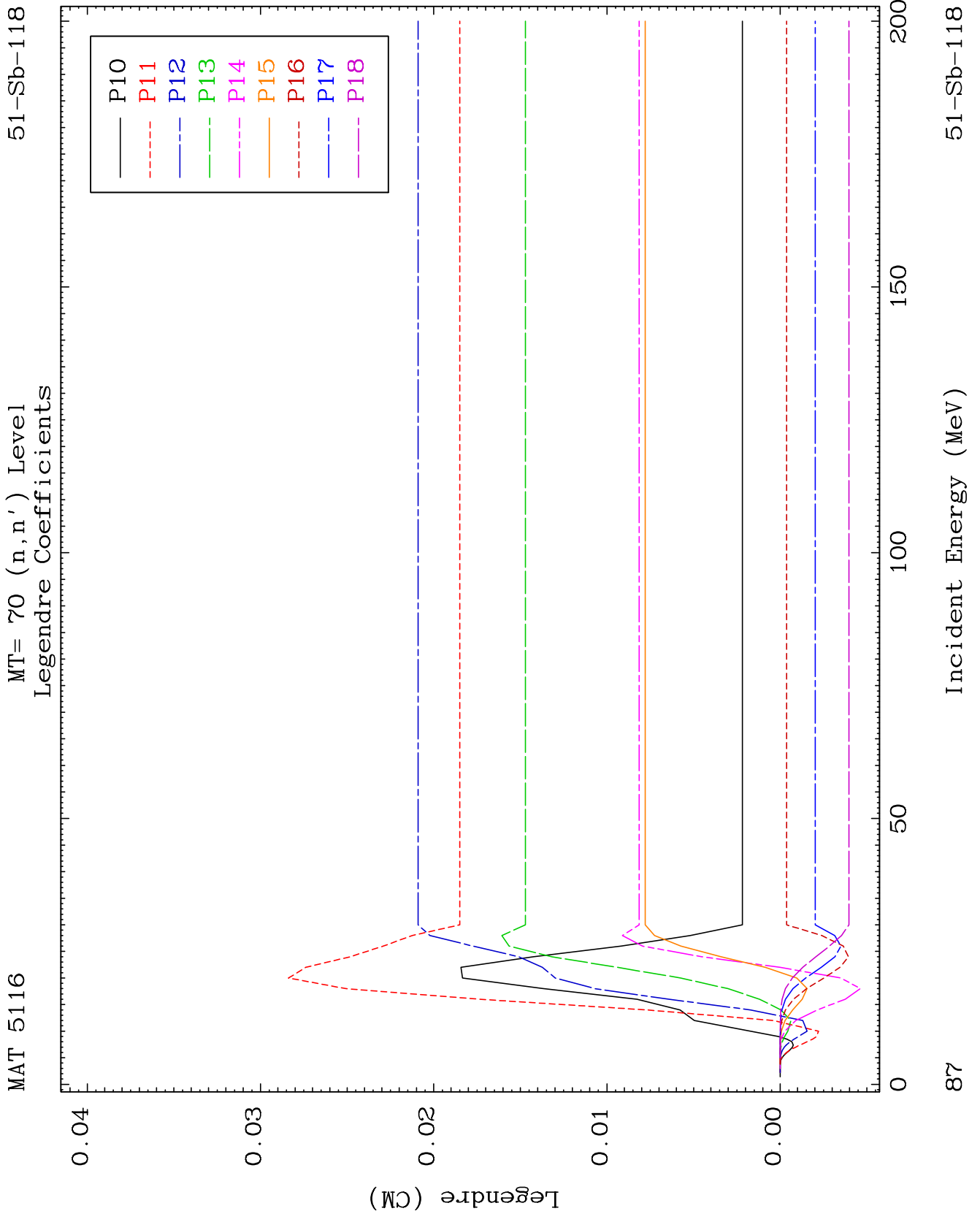
51-Sb-118



86

Incident Energy (MeV)

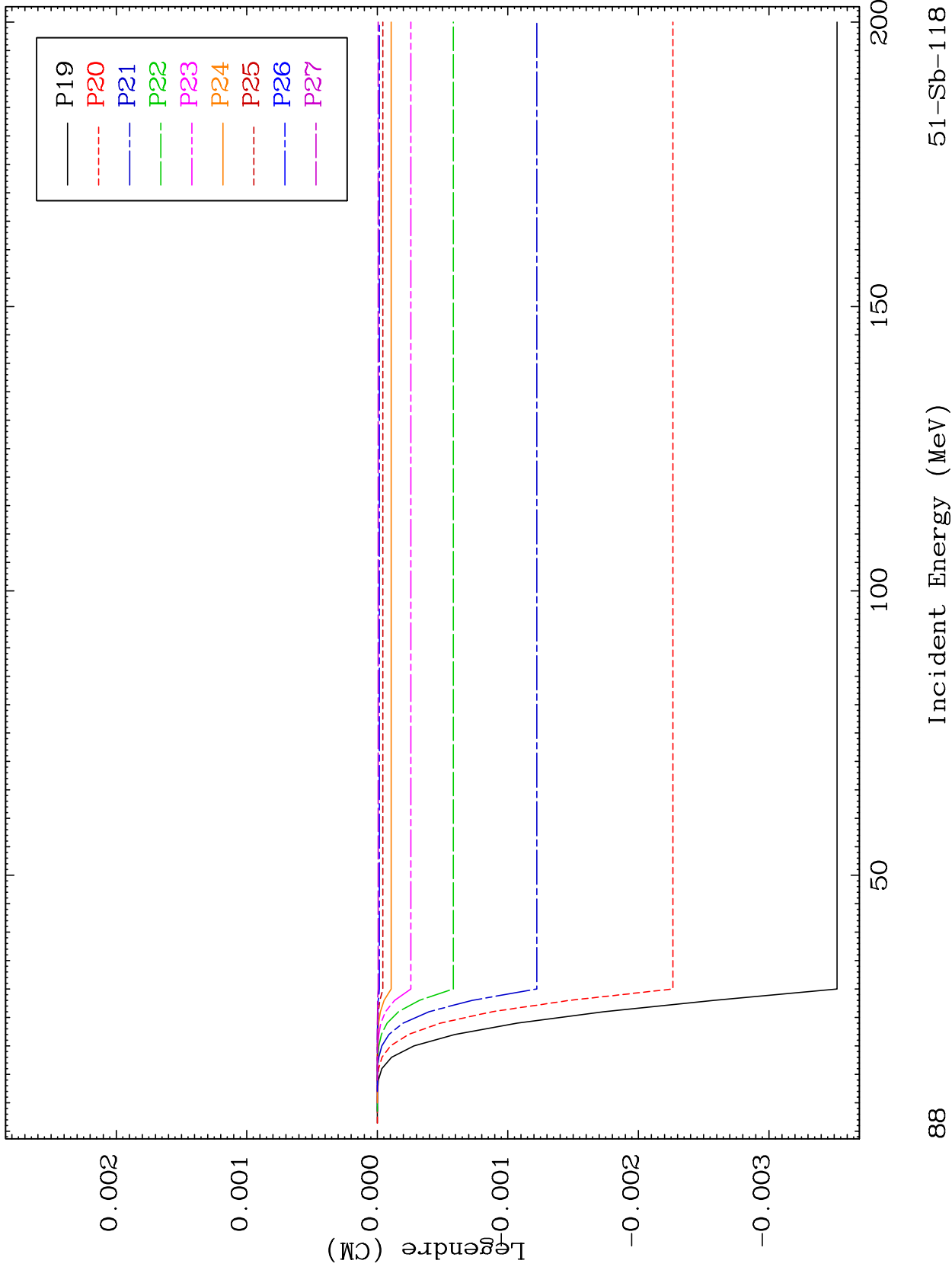
51-Sb-118



MAT 5116

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

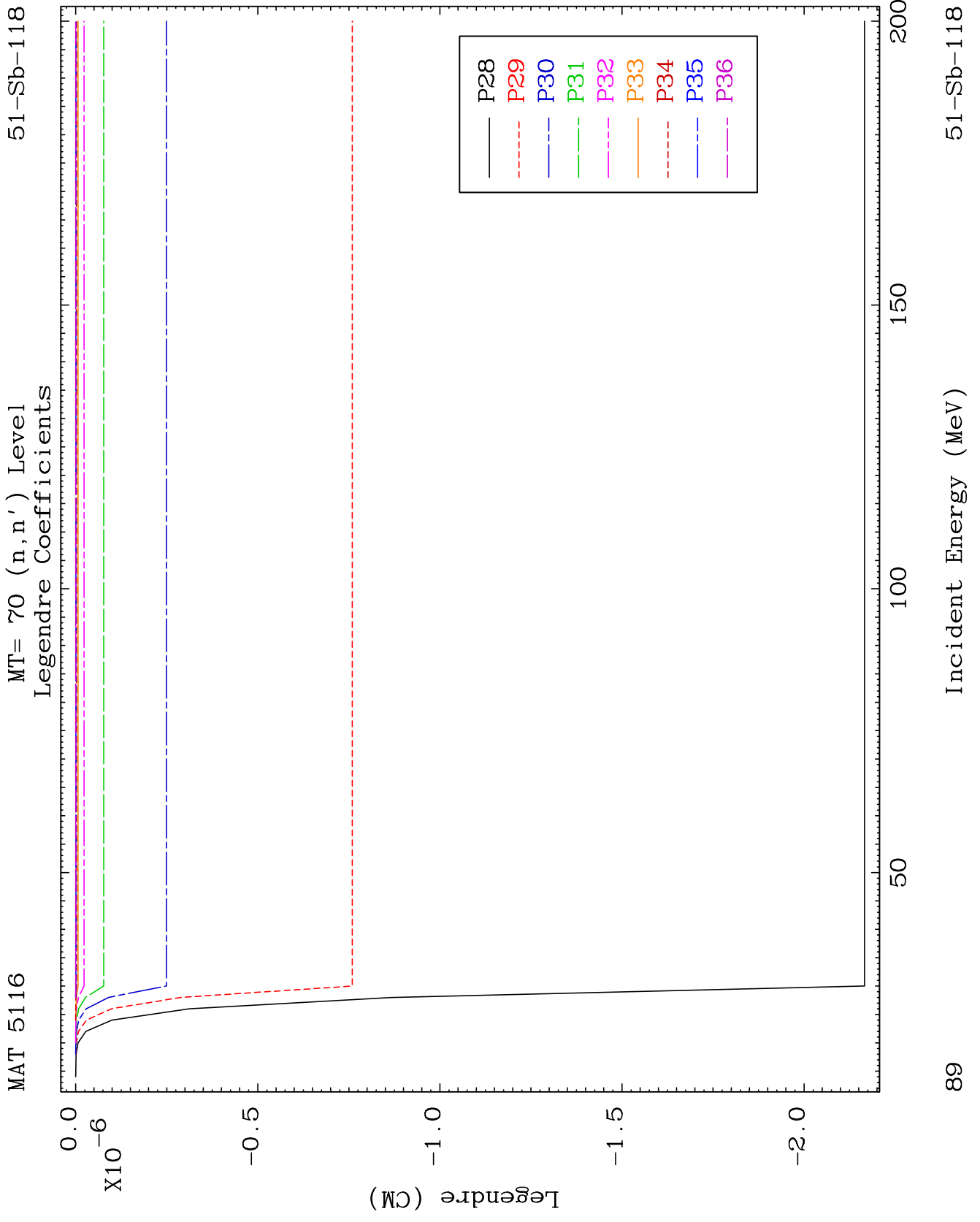
51-Sb-118

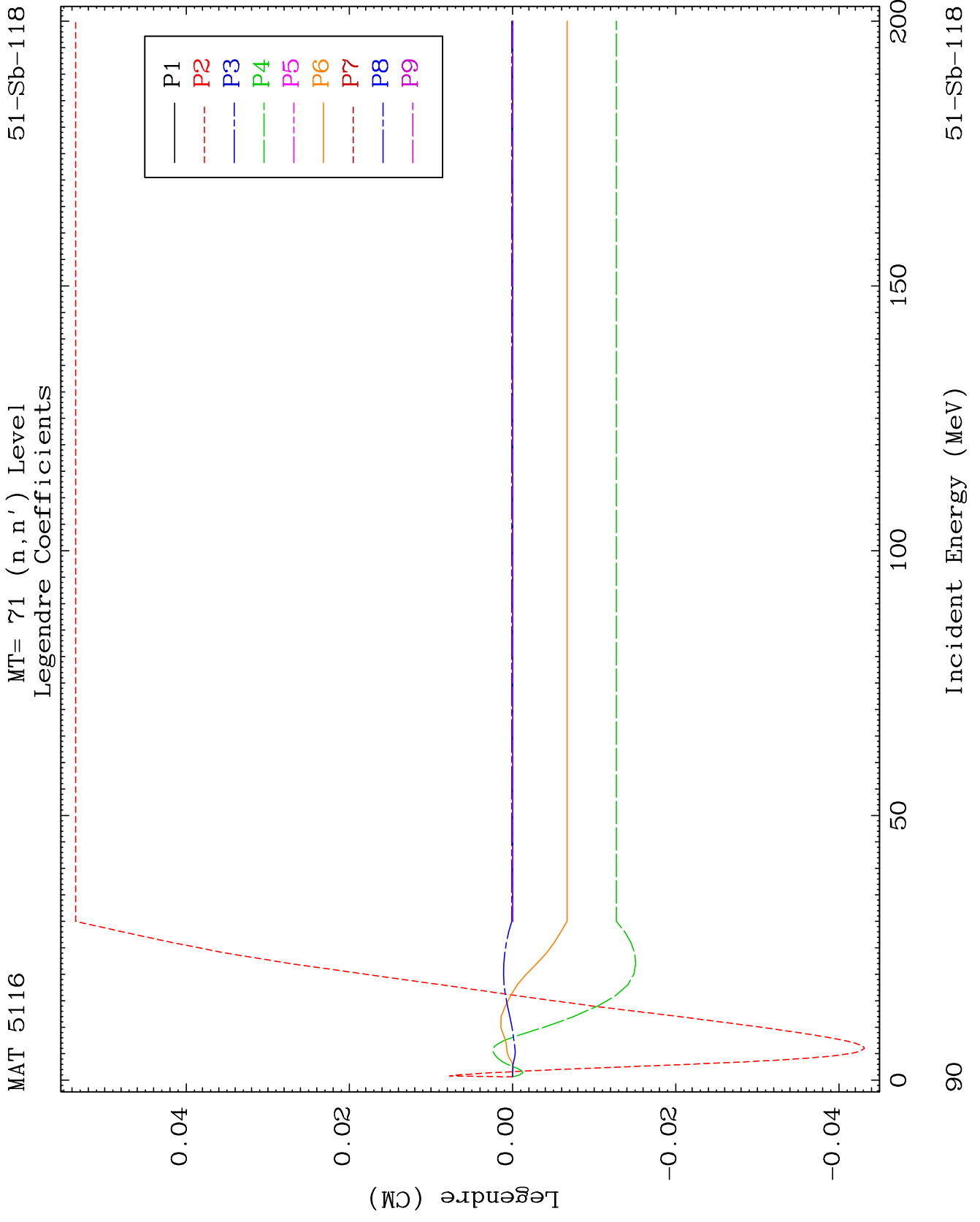


88

Incident Energy (MeV)

51-Sb-118

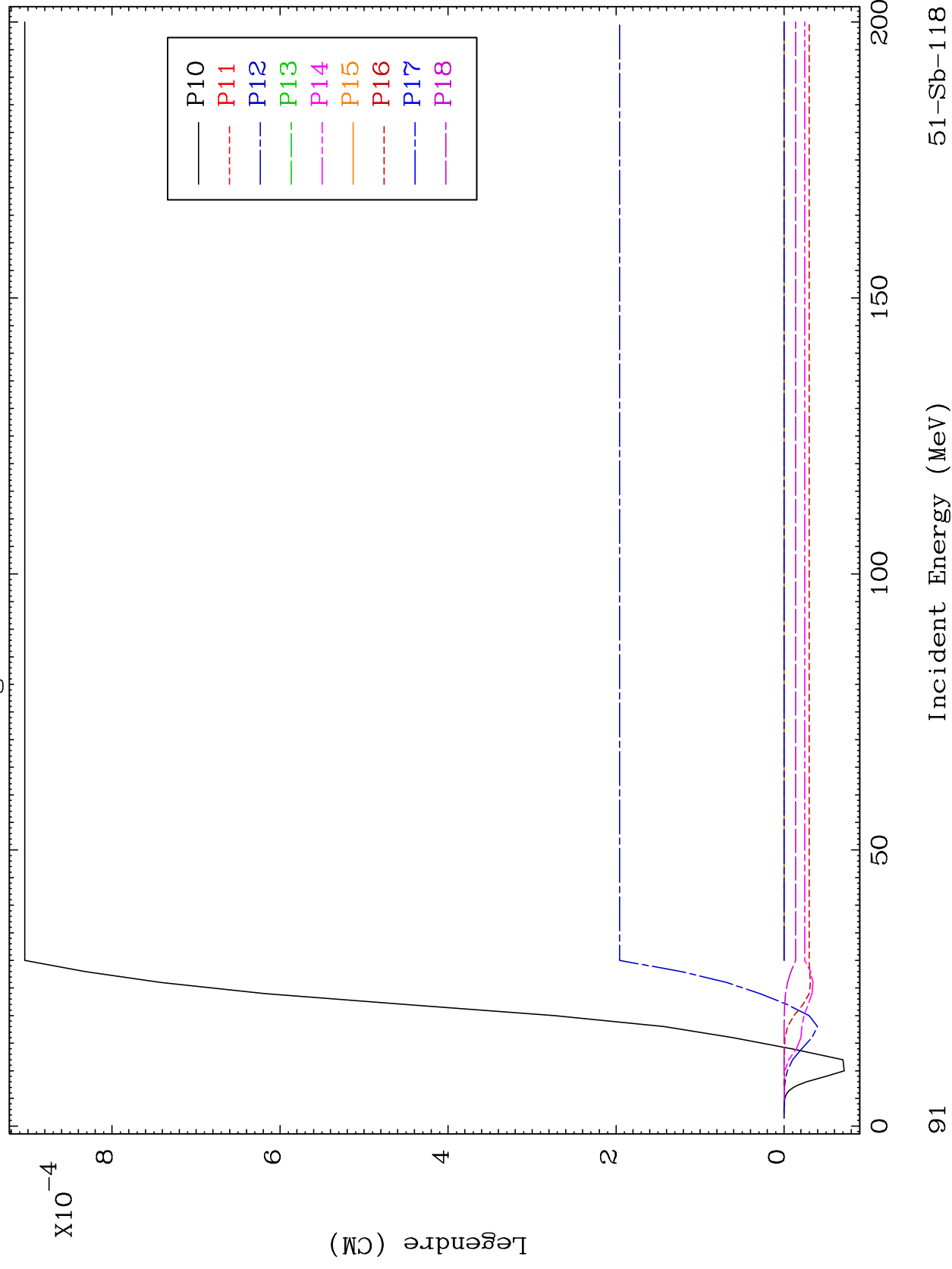




MAT 51116

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

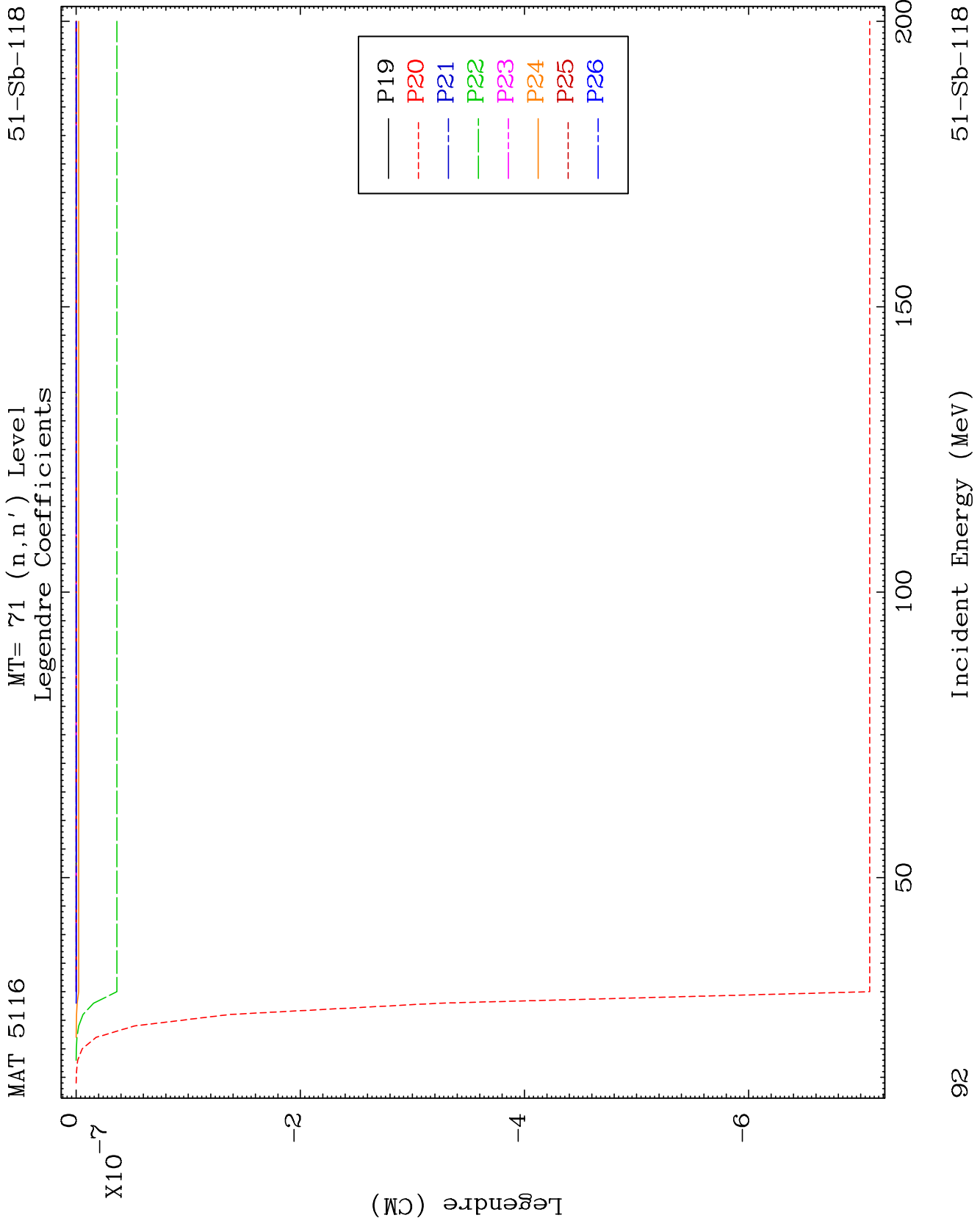
51-Sb-118



51-Sb-118

Incident Energy (MeV)

91

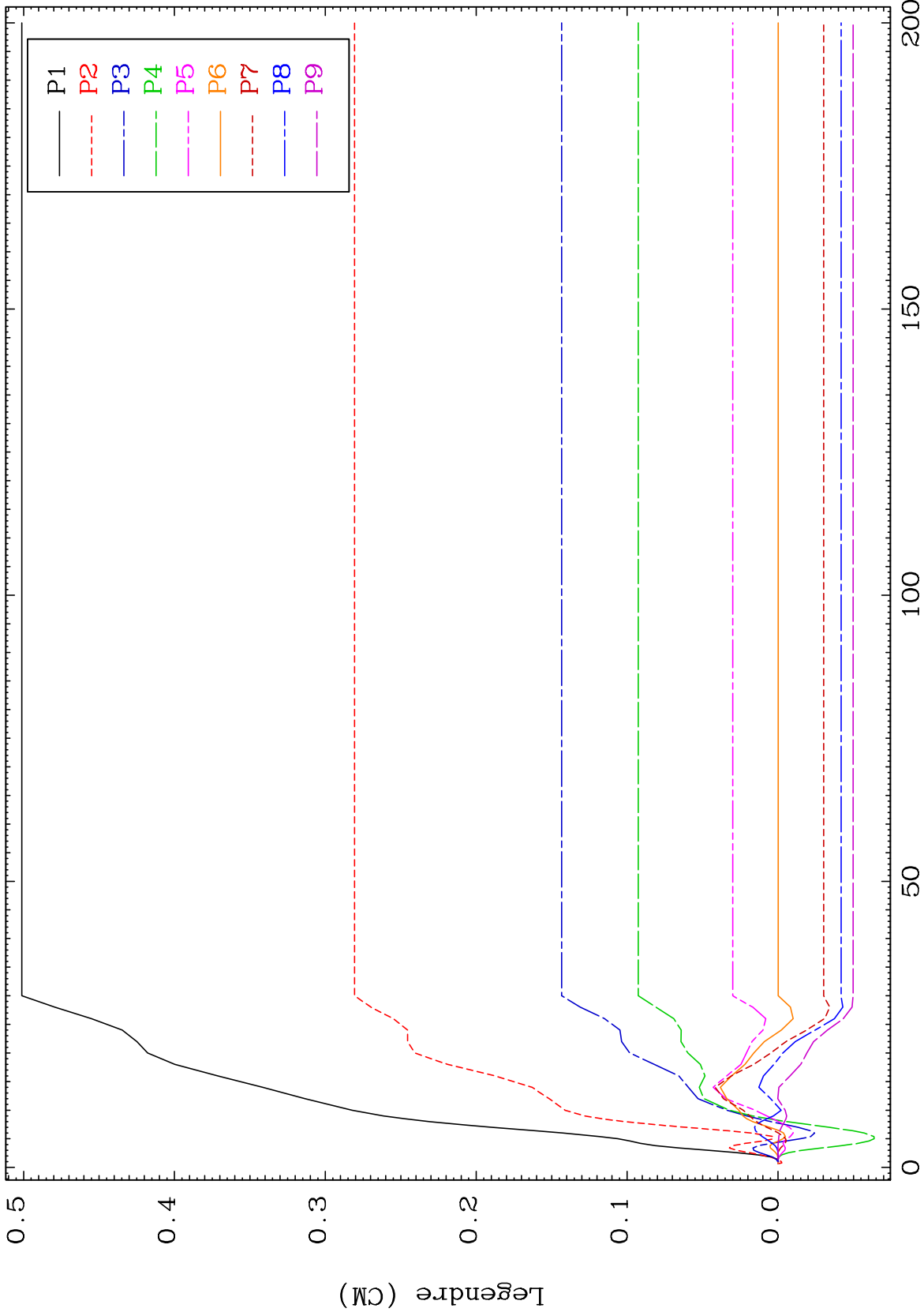


MAT 5116

MT= 72 (n,n') Level

51-Sb-118

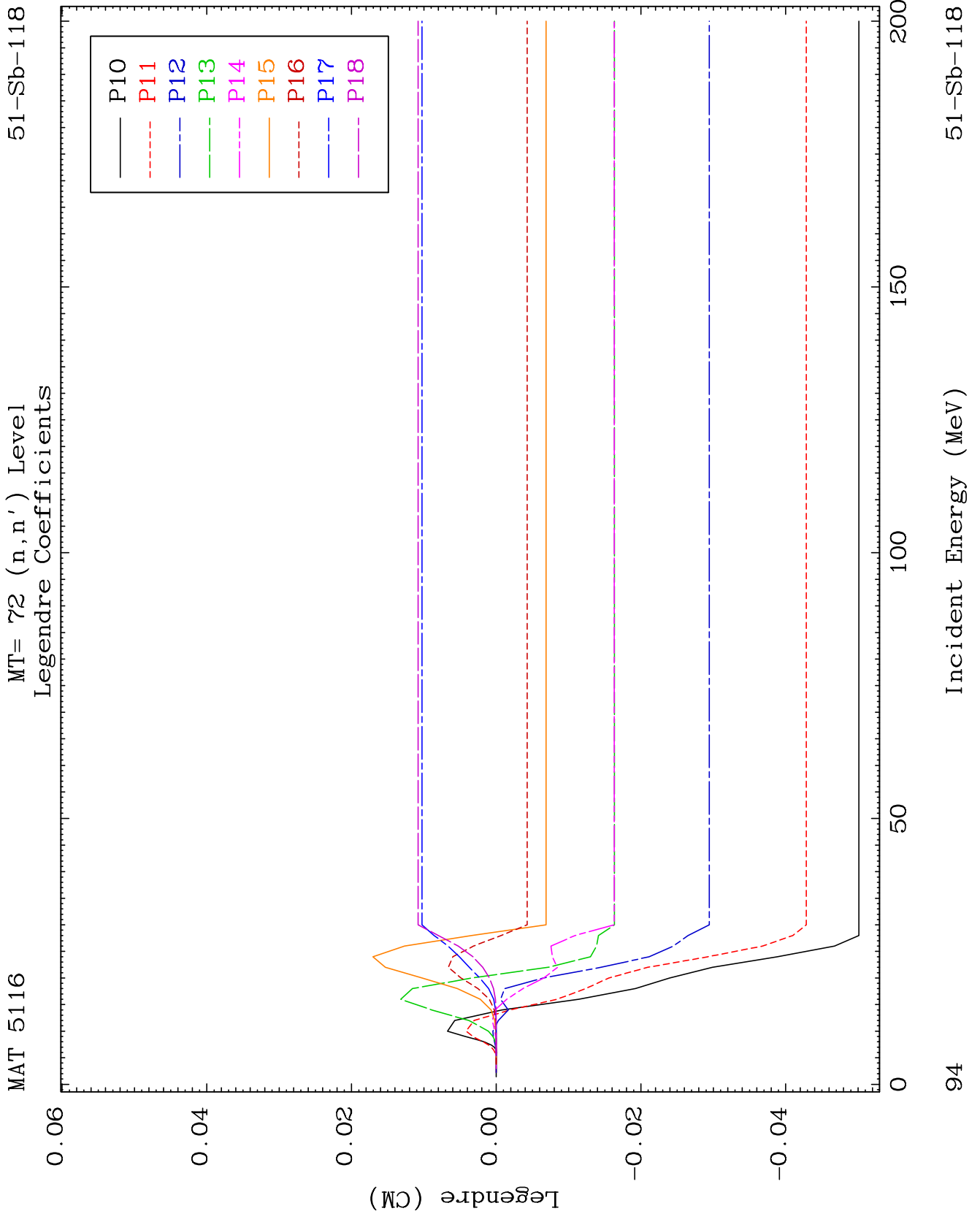
Legendre Coefficients



93

Incident Energy (MeV)

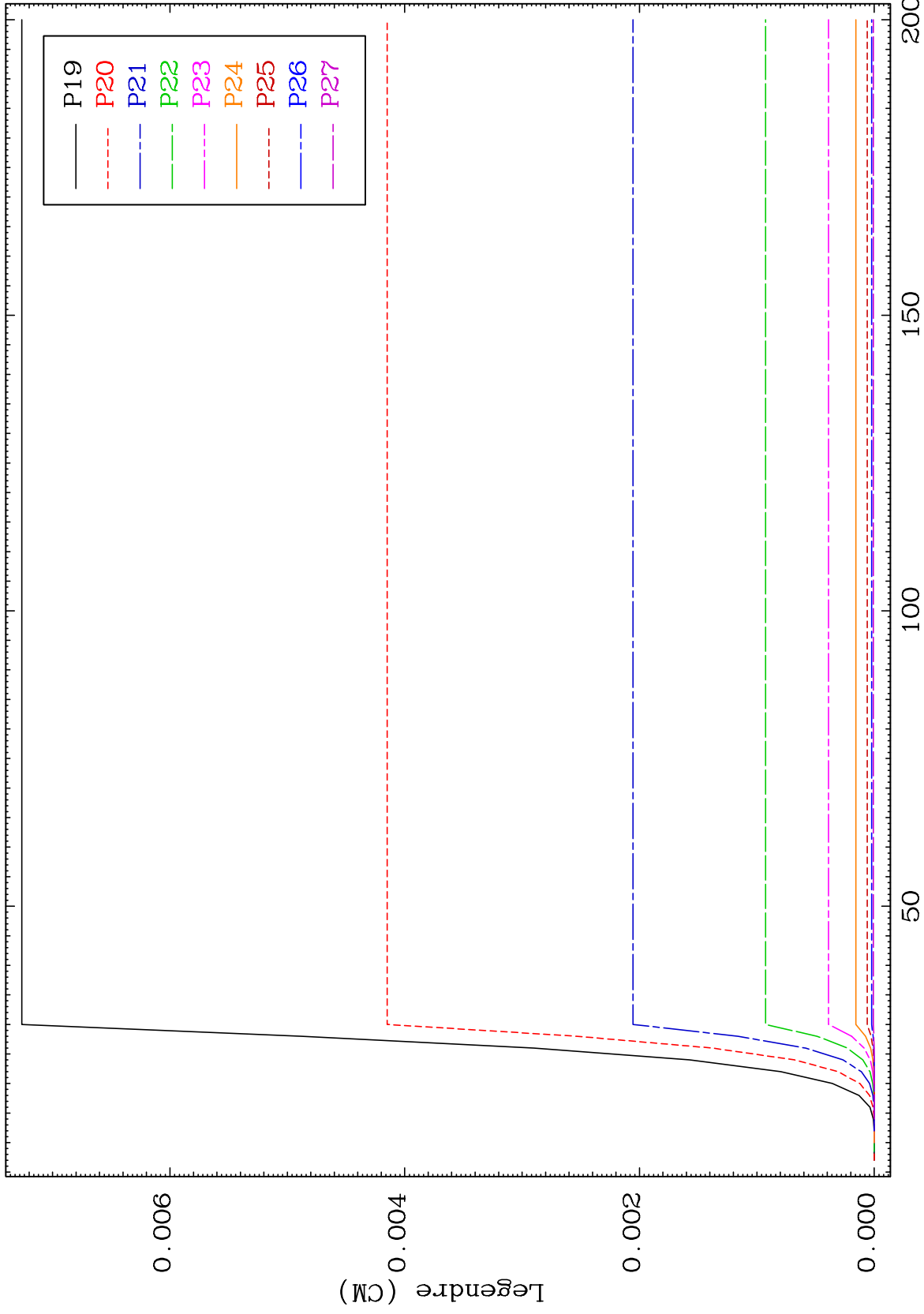
51-Sb-118



MAT 5116

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

51-Sb-118



95

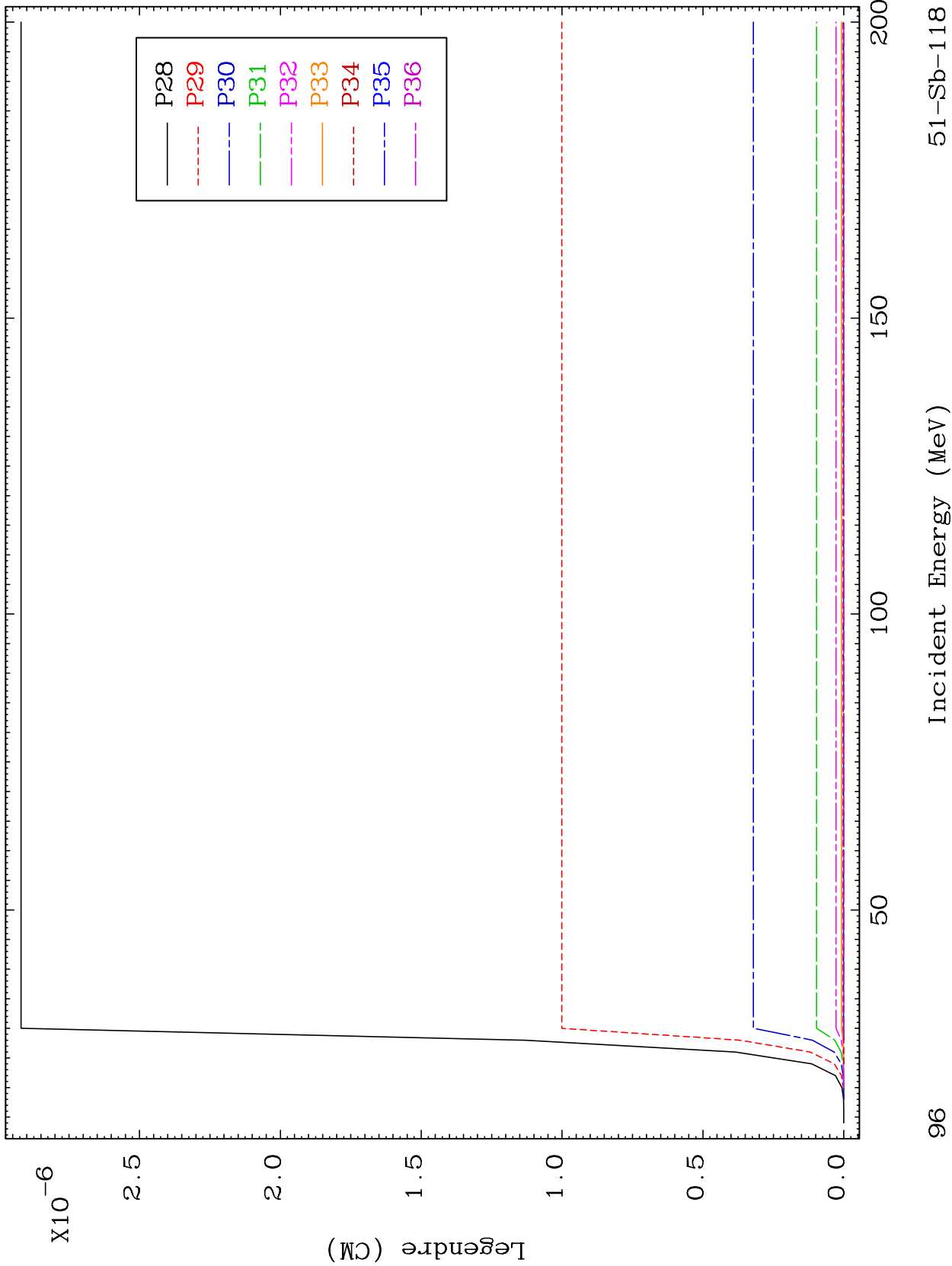
Incident Energy (MeV)

51-Sb-118

MAT 5116

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

51-Sb-118



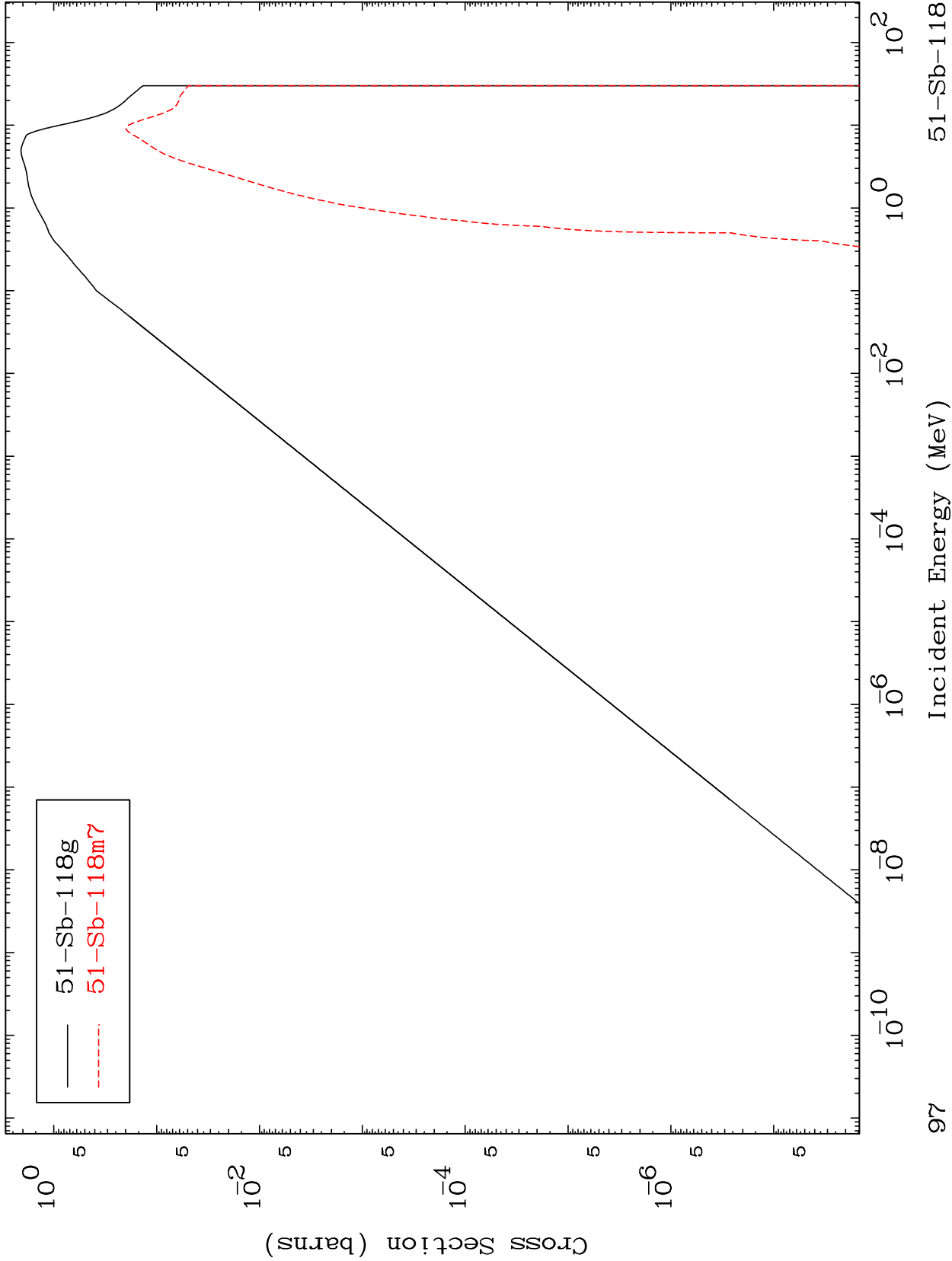
96

51-Sb-118

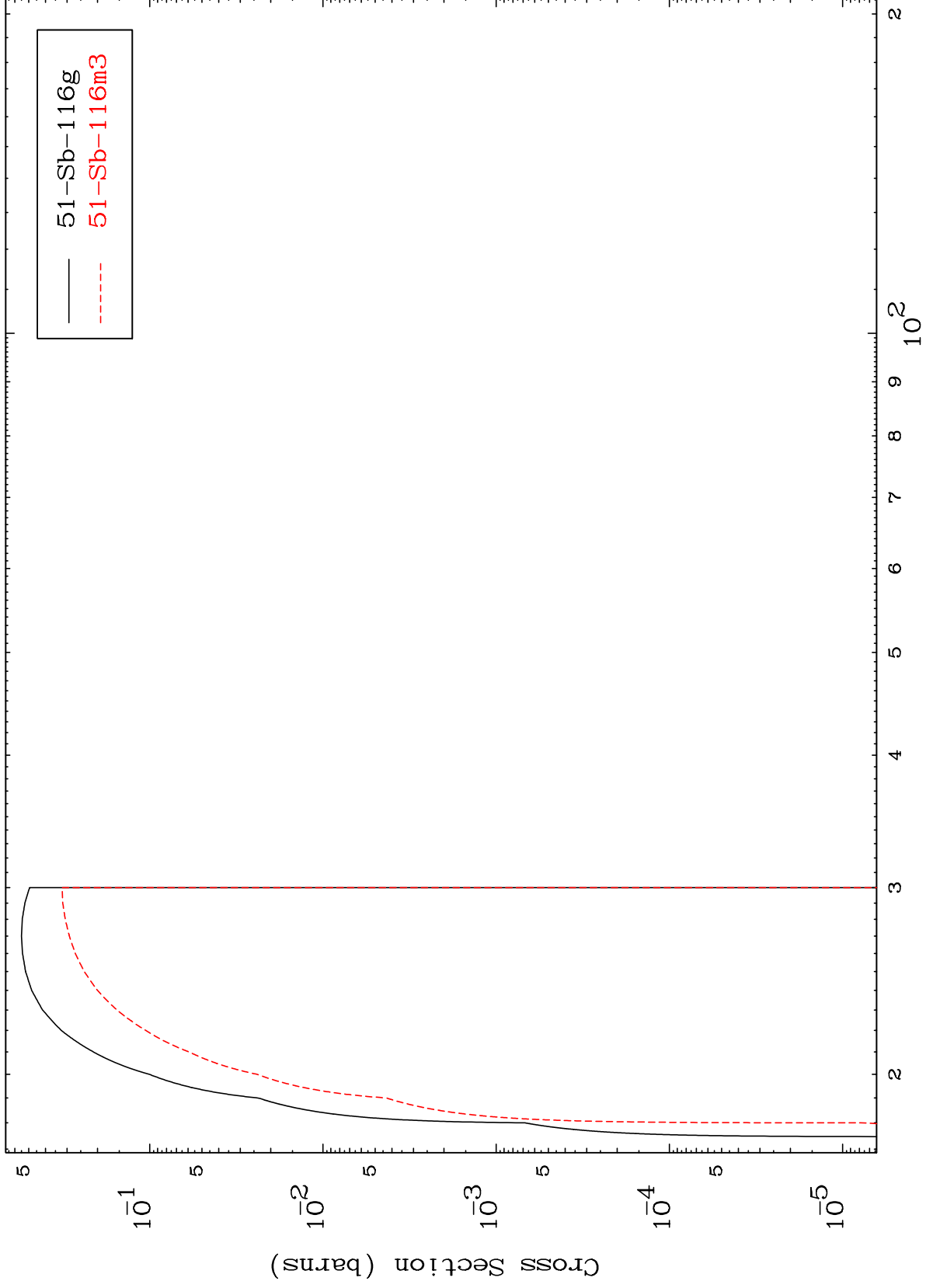
MAT 5116

Inelastic
Radionuclide Production Cross Section

51-Sb-118



(n,3n)
Radionuclide Production Cross Section

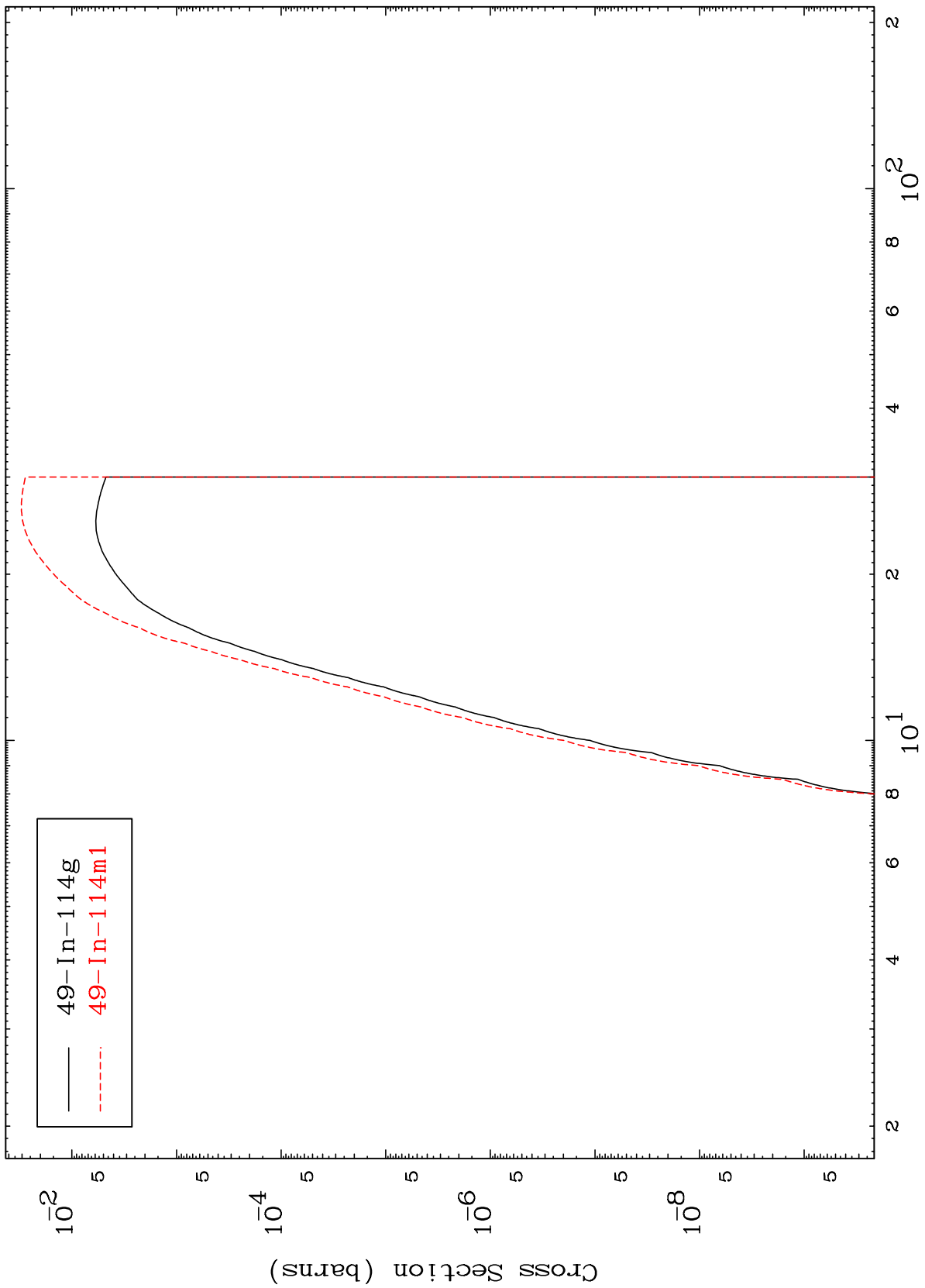


MAT 5116

51-Sb-118

(n,n') α

Radionuclide Production Cross Section



99

51-Sb-118

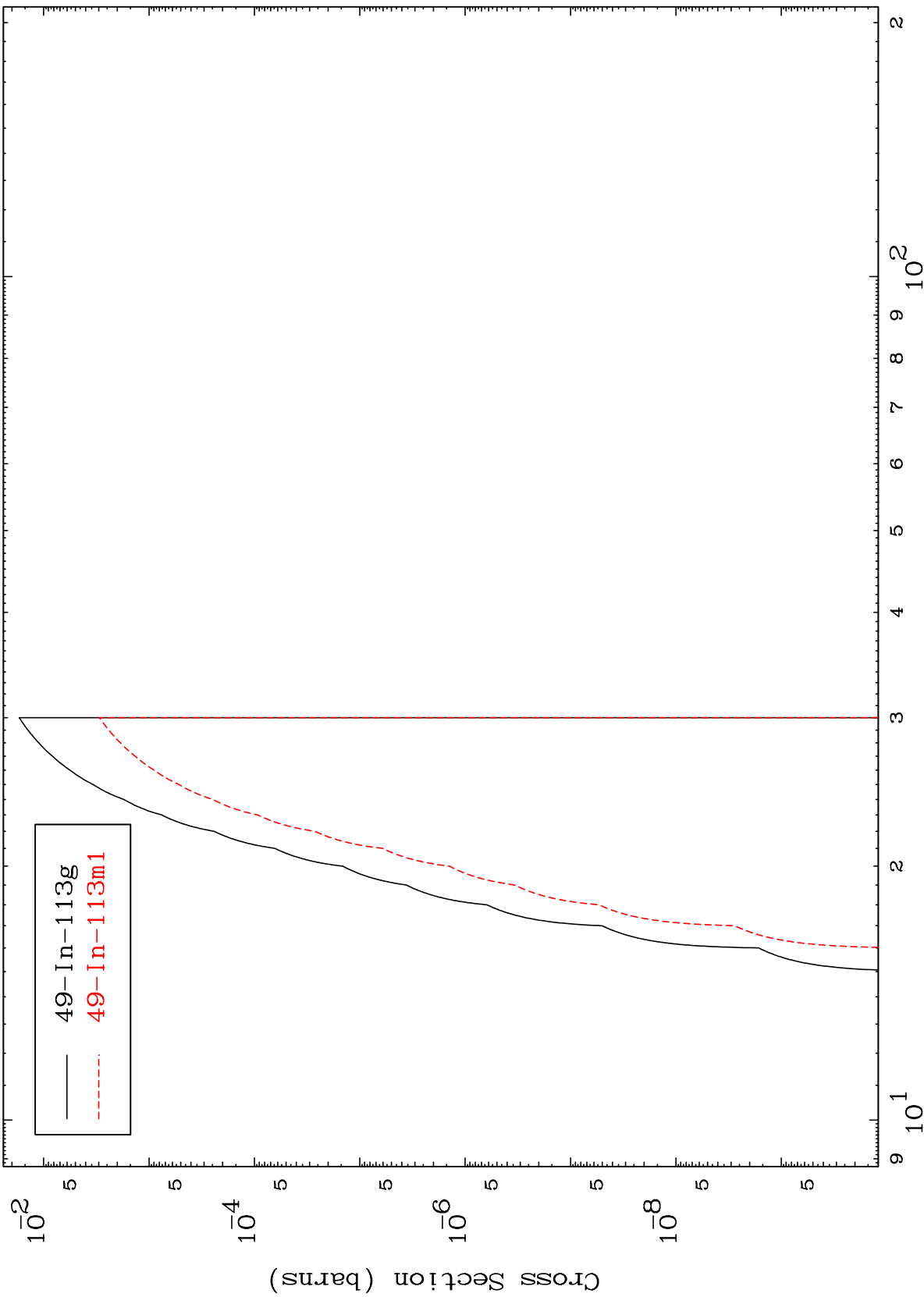
Incident Energy (MeV)

MAT 5116

(n,2n) α

51-Sb-118

Radionuclide Production Cross Section



Incident Energy (MeV)

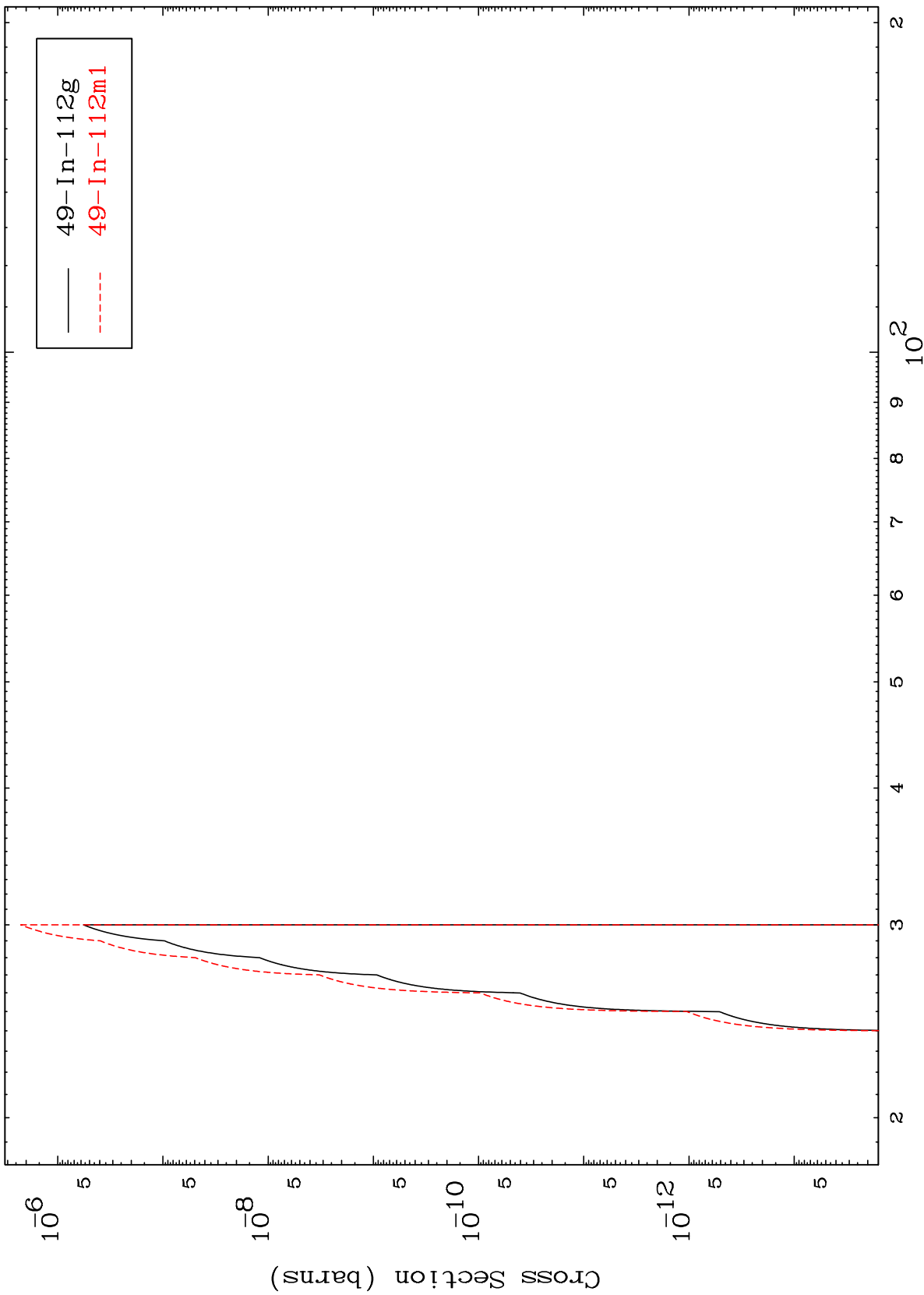
51-Sb-118

MAT 51116

(n,3n) α

51-Sb-118

Radionuclide Production Cross Section



101

Incident Energy (MeV)

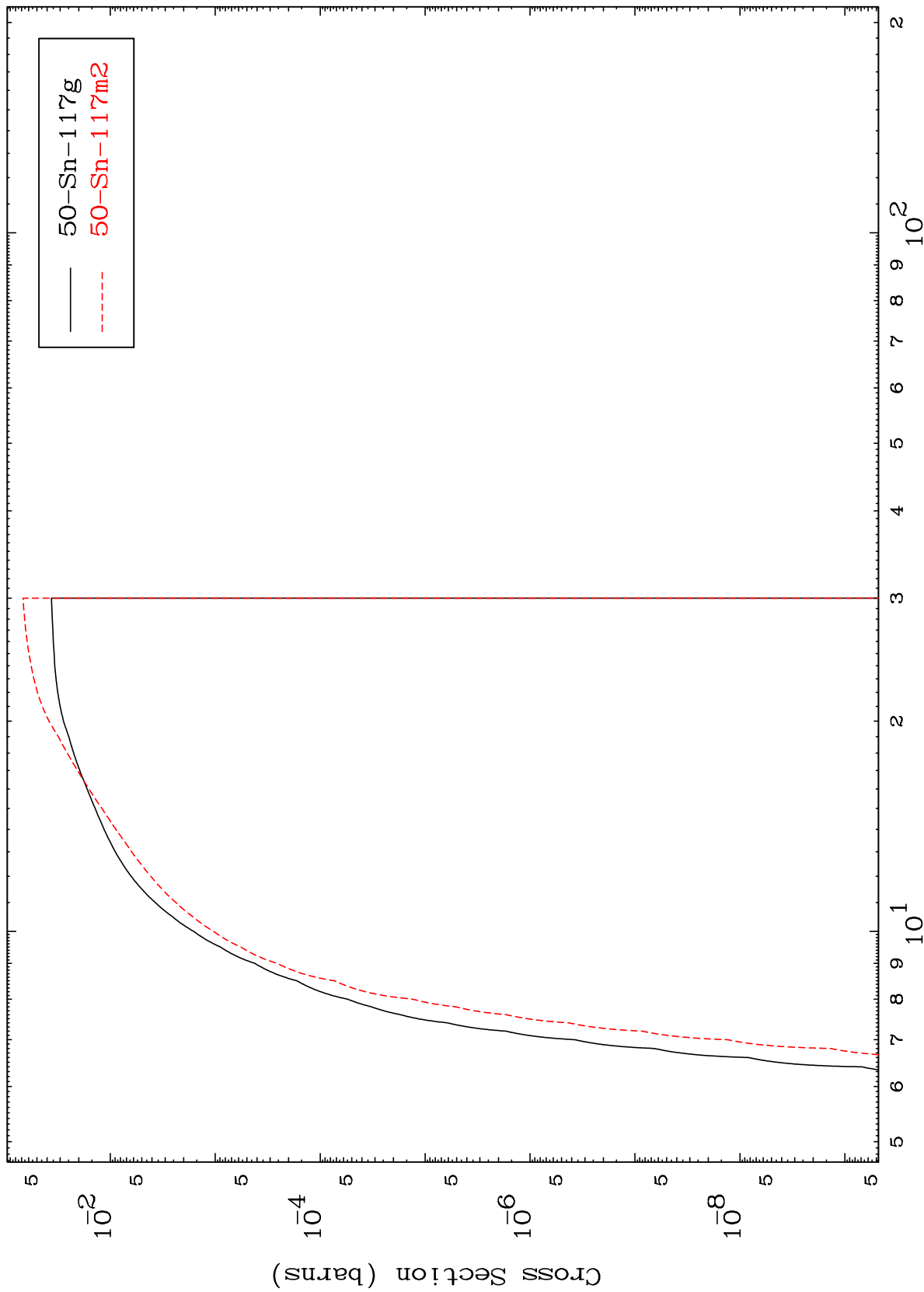
51-Sb-118

MAT 5116

(n,n') p

51-Sb-118

Radionuclide Production Cross Section



102

Incident Energy (MeV)

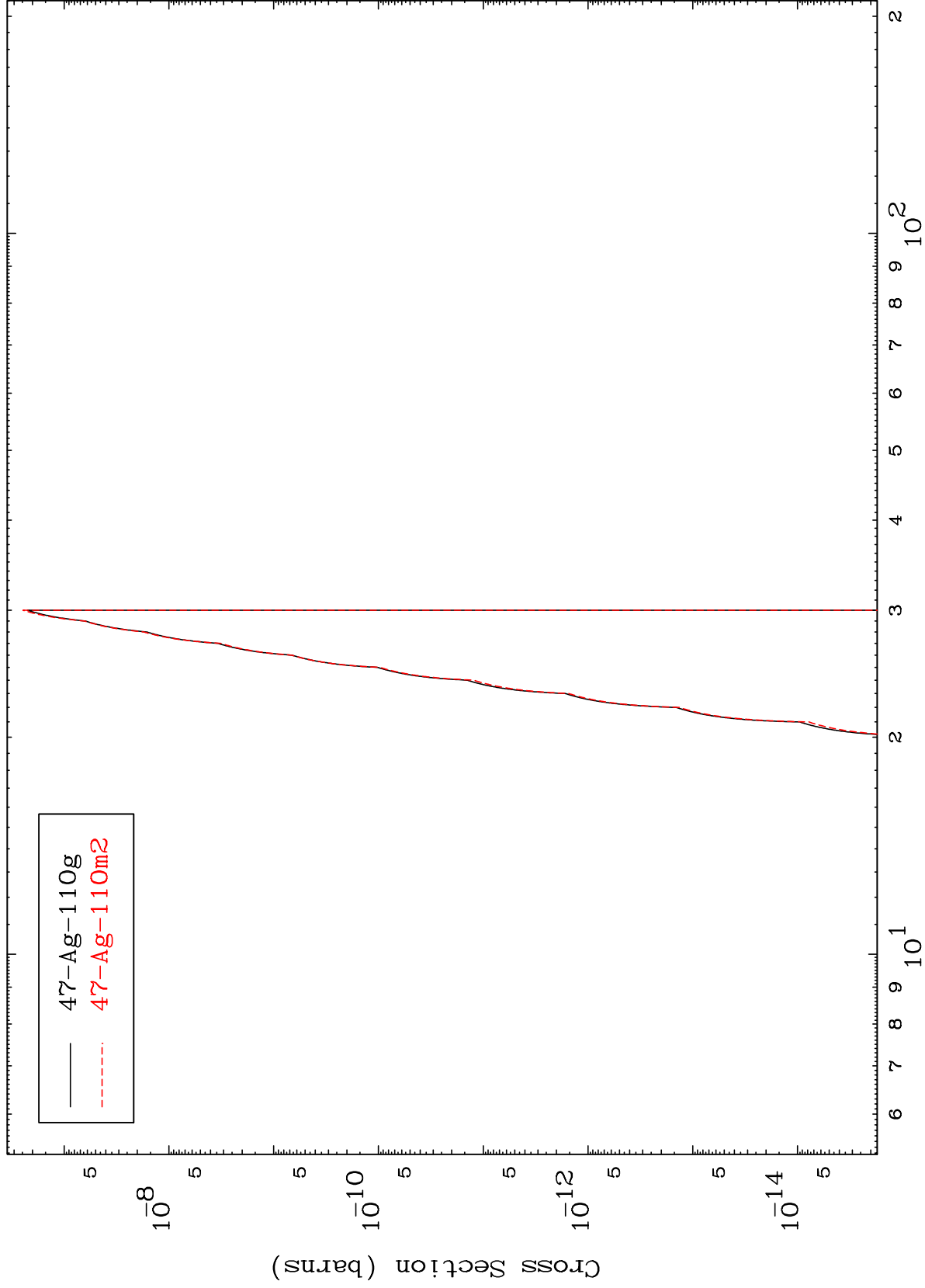
51-Sb-118

MAT 5116

(n,n') 2α

51-Sb-118

Radionuclide Production Cross Section



103

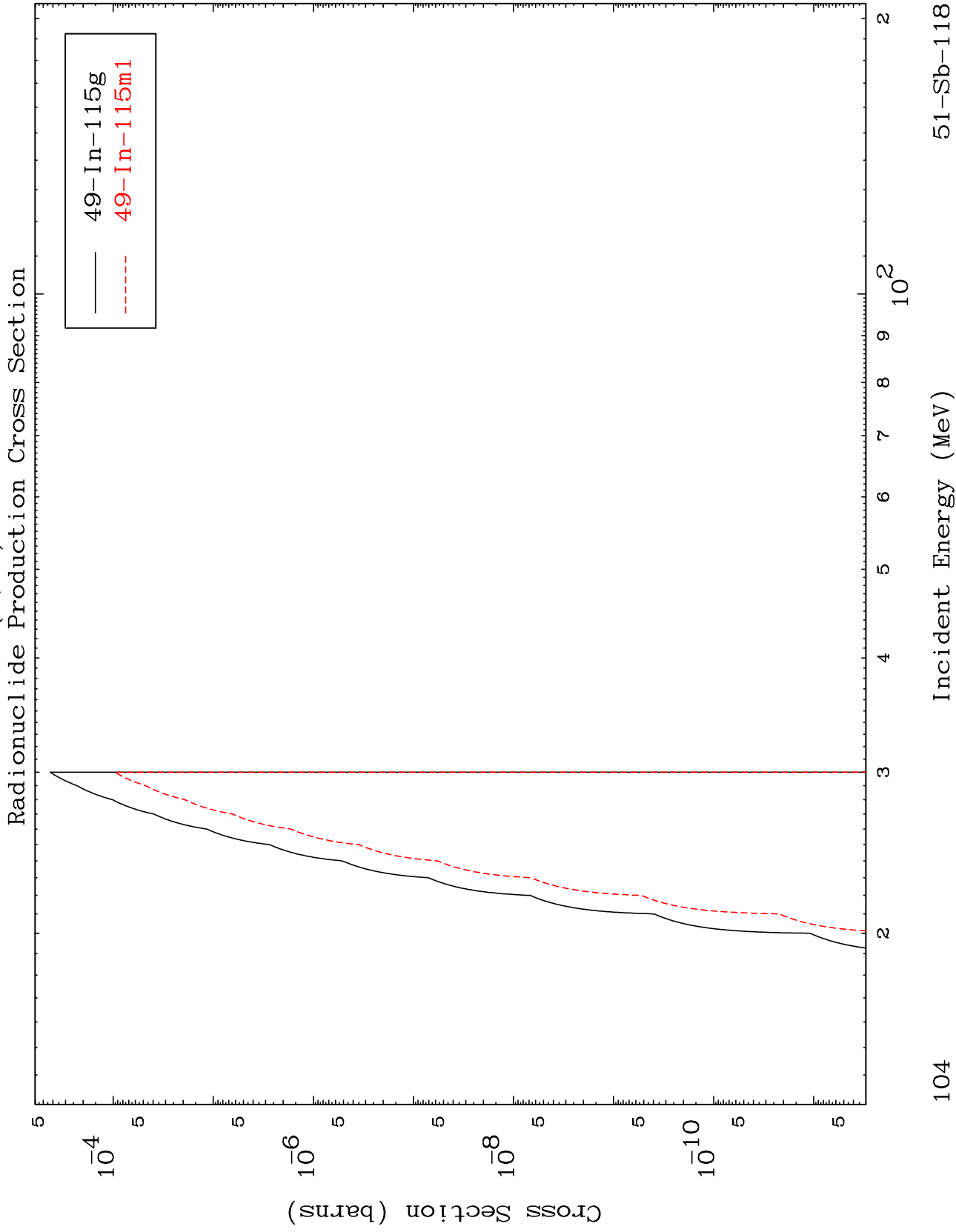
Incident Energy (MeV)

51-Sb-118

MAT 5116

(n,n') He-3

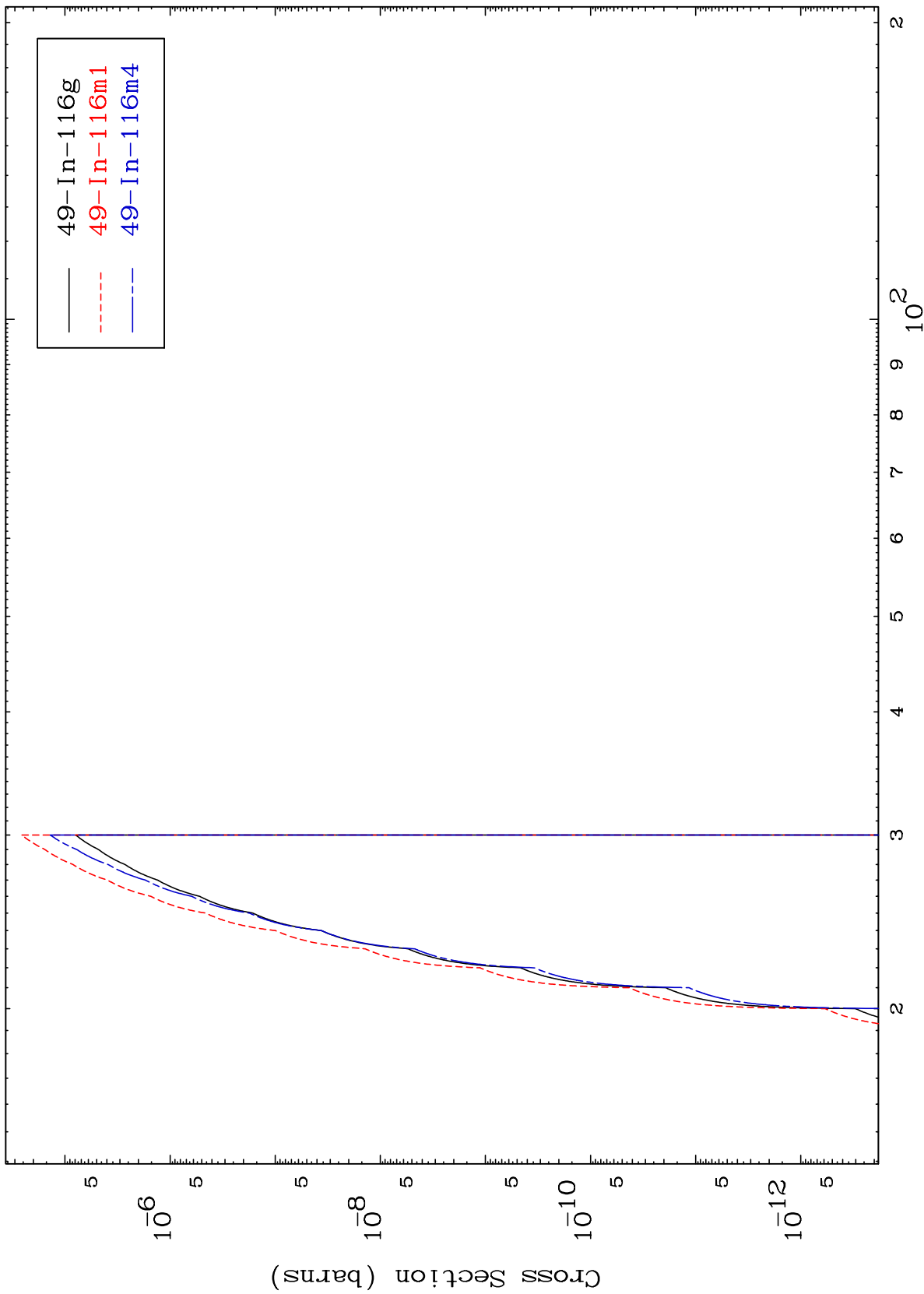
51-Sb-118



104

51-Sb-118

Radionuclide Production Cross Section



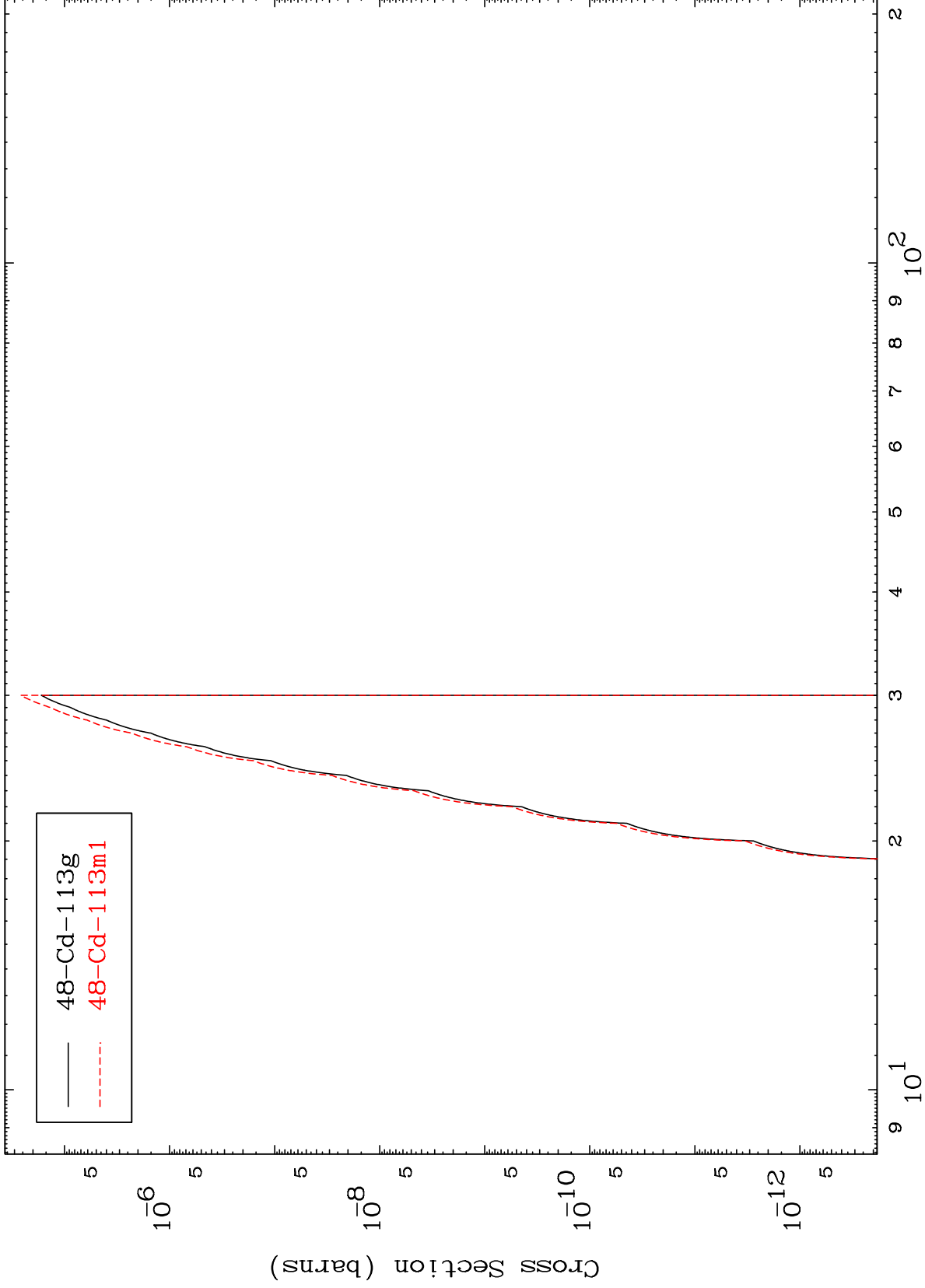
49-In-116g
49-In-116m1
49-In-116m4

MAT 5116

(n,n') p α

51-Sb-118

Radionuclide Production Cross Section



48-Cd-113g
48-Cd-113m1

106

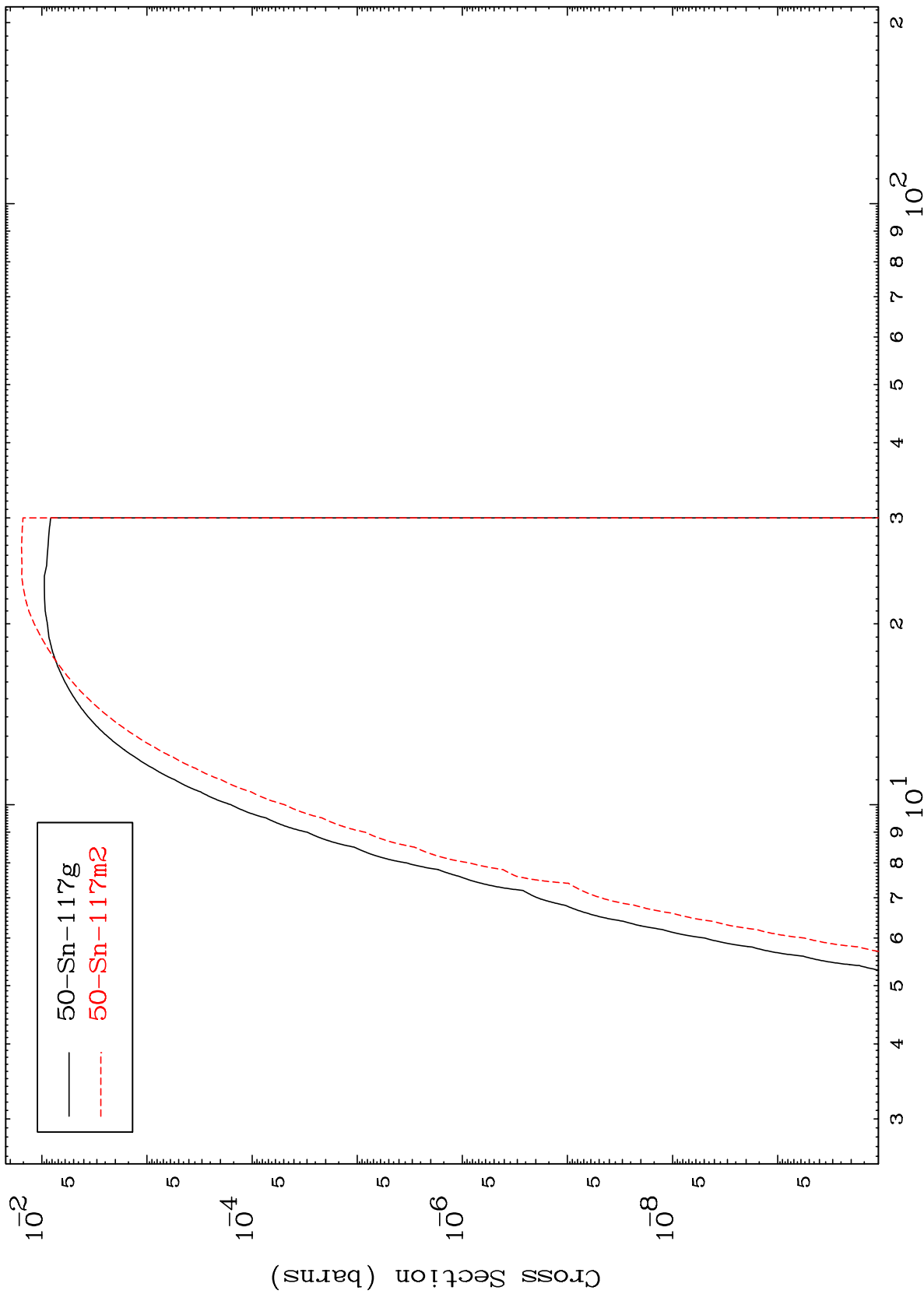
Incident Energy (MeV)

51-Sb-118

MAT 5116

51-Sb-118

(n,d)
Radionuclide Production Cross Section



107

Incident Energy (MeV)

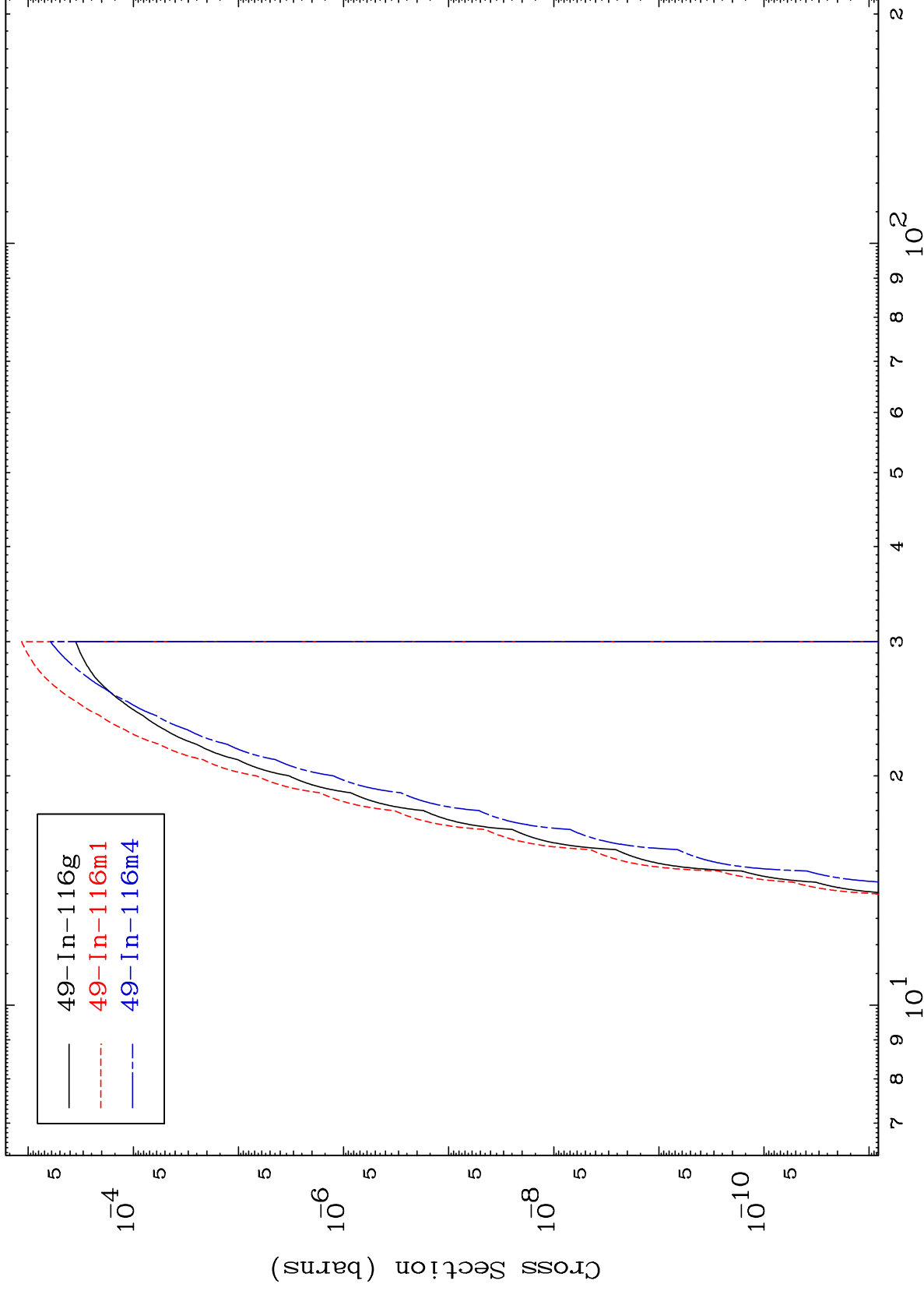
51-Sb-118

MAT 5116

(n,He-3)

51-Sb-118

Radionuclide Production Cross Section



108

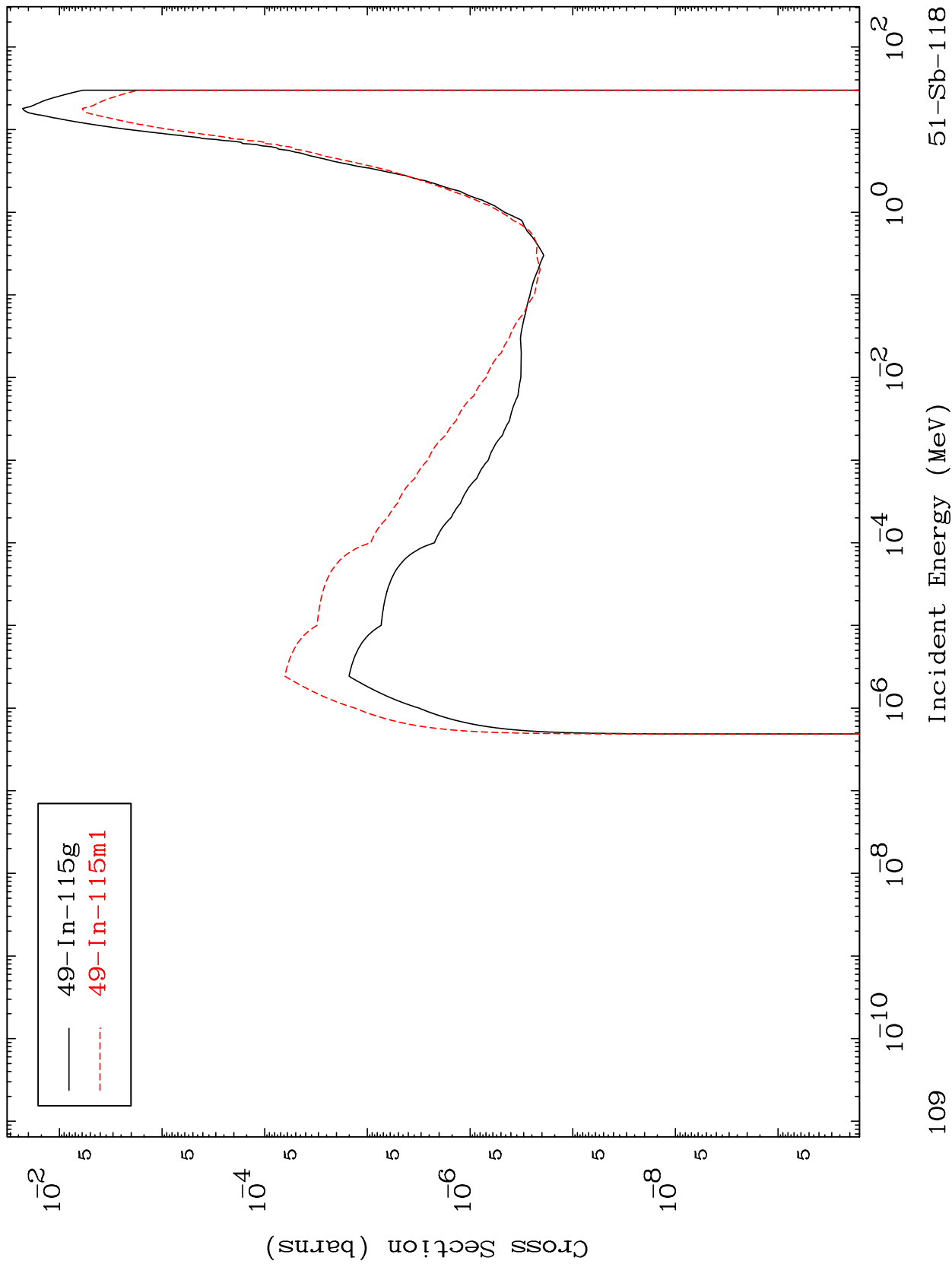
Incident Energy (MeV)

51-Sb-118

MAT 5116

51-Sb-118

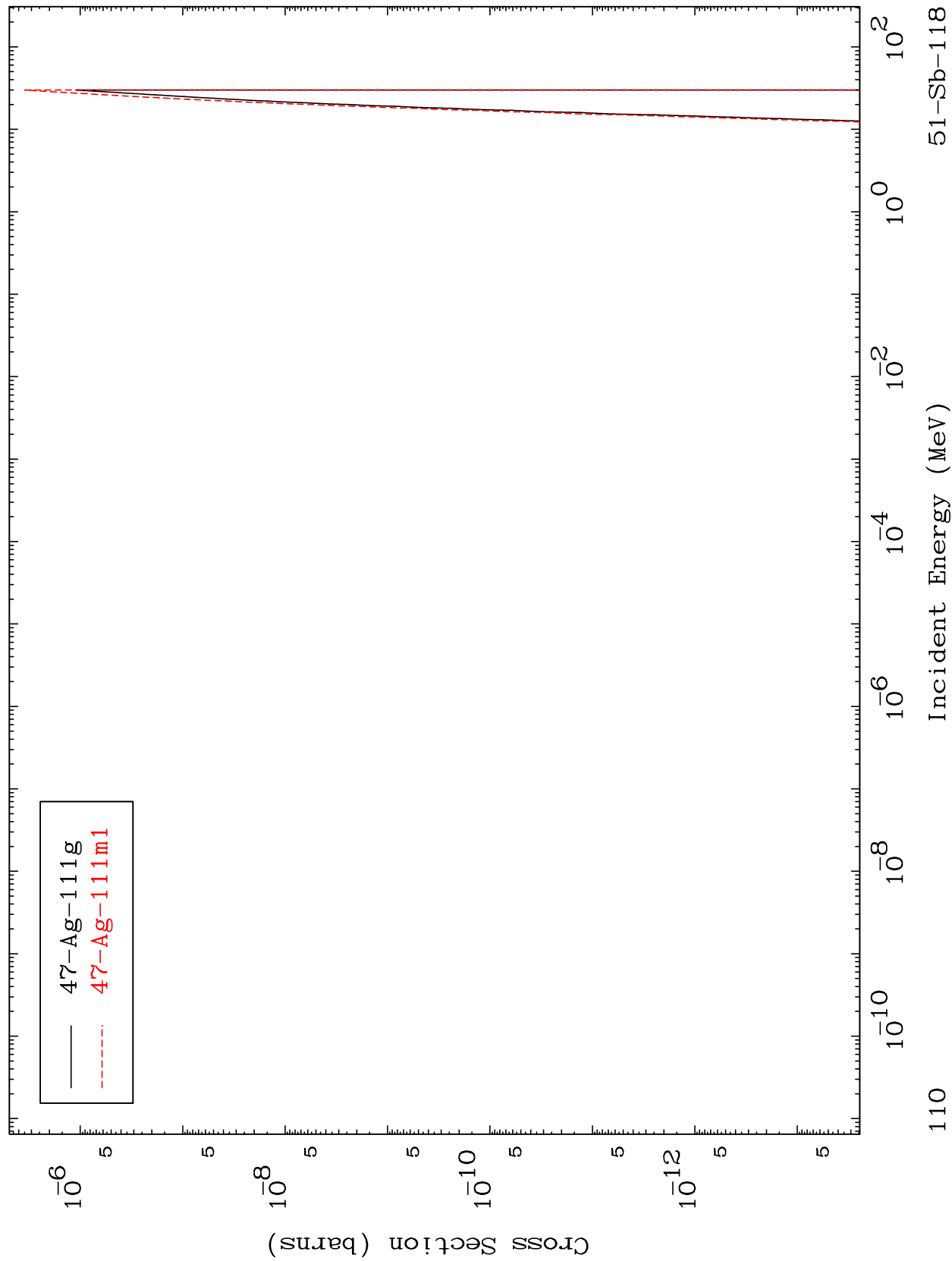
(n, α)
Radionuclide Production Cross Section



MAT 5116

51-Sb-118

(n,2α)
Radionuclide Production Cross Section



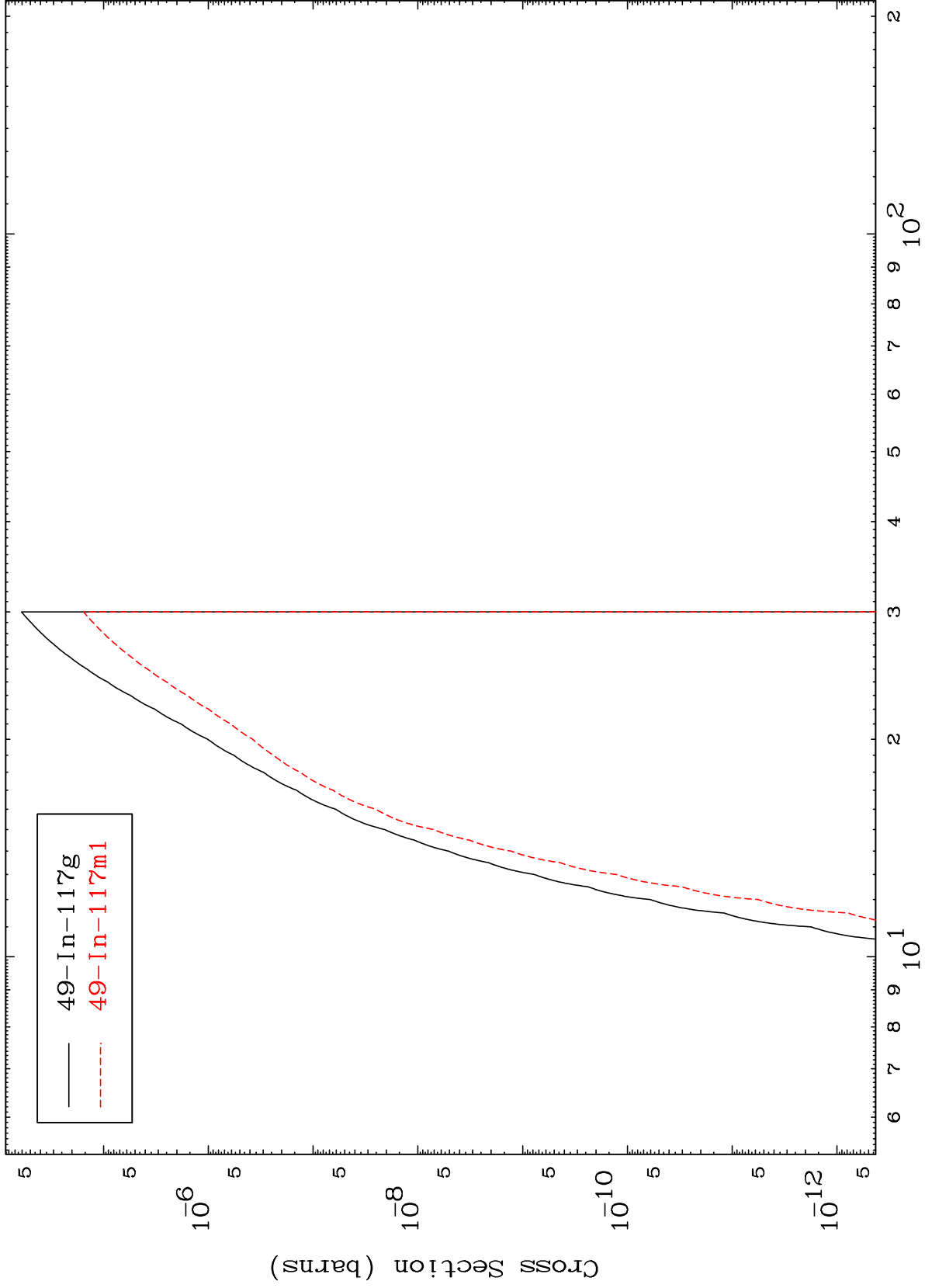
110

51-Sb-118

MAT 5116

51-Sb-118

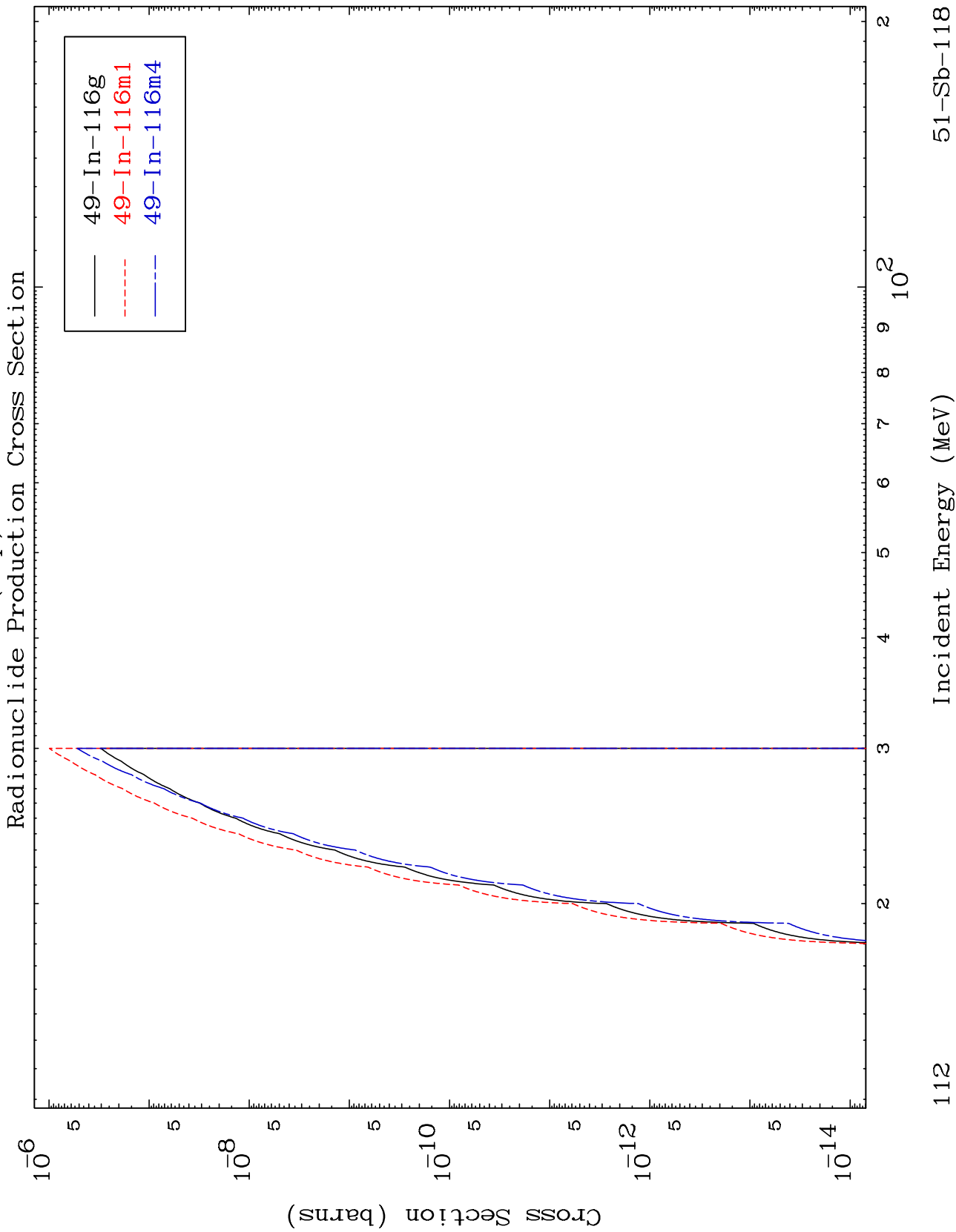
(n,2p)
Radionuclide Production Cross Section



111

Incident Energy (MeV)

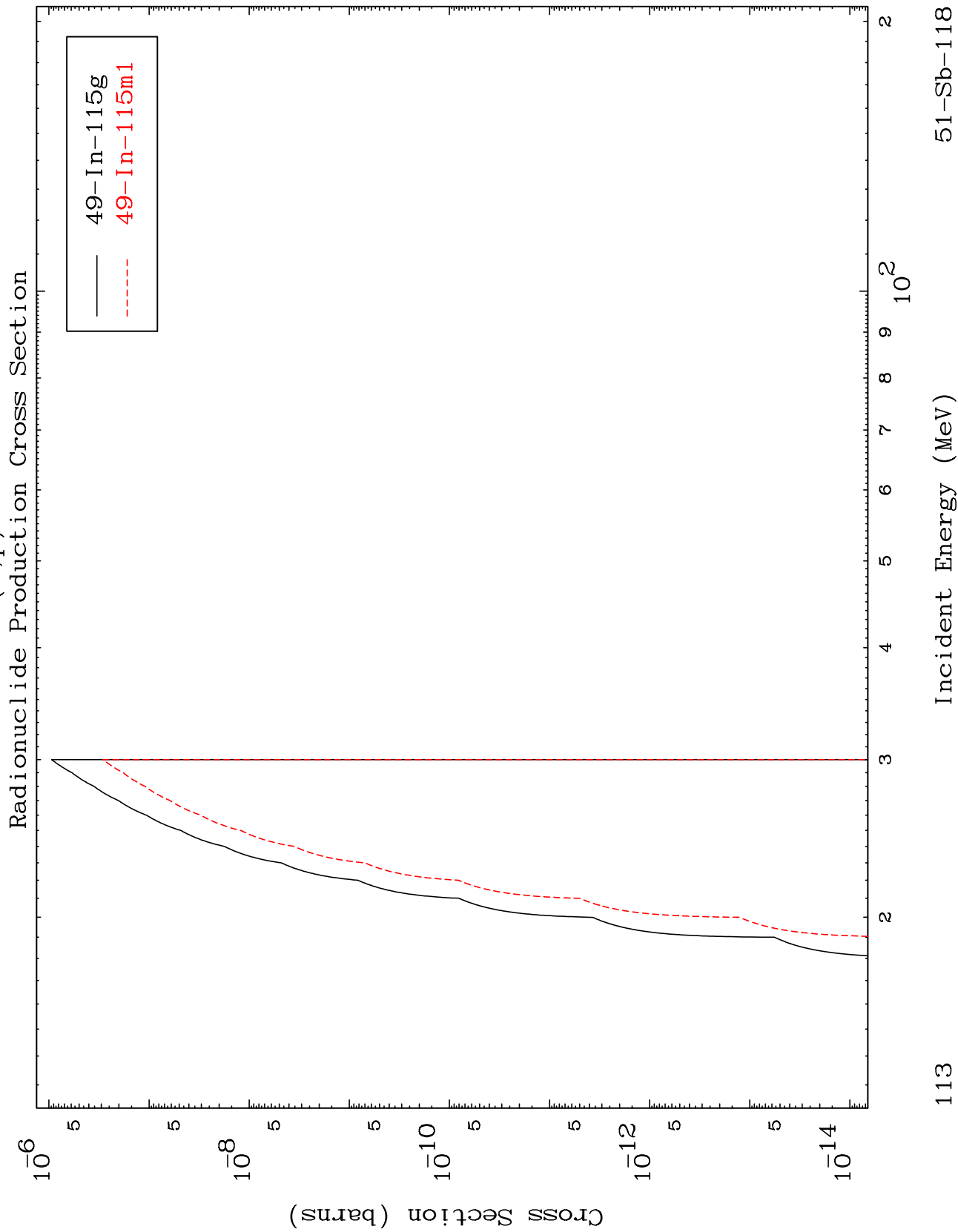
51-Sb-118



MAT 5116

(n,p) t

51-Sb-118



113

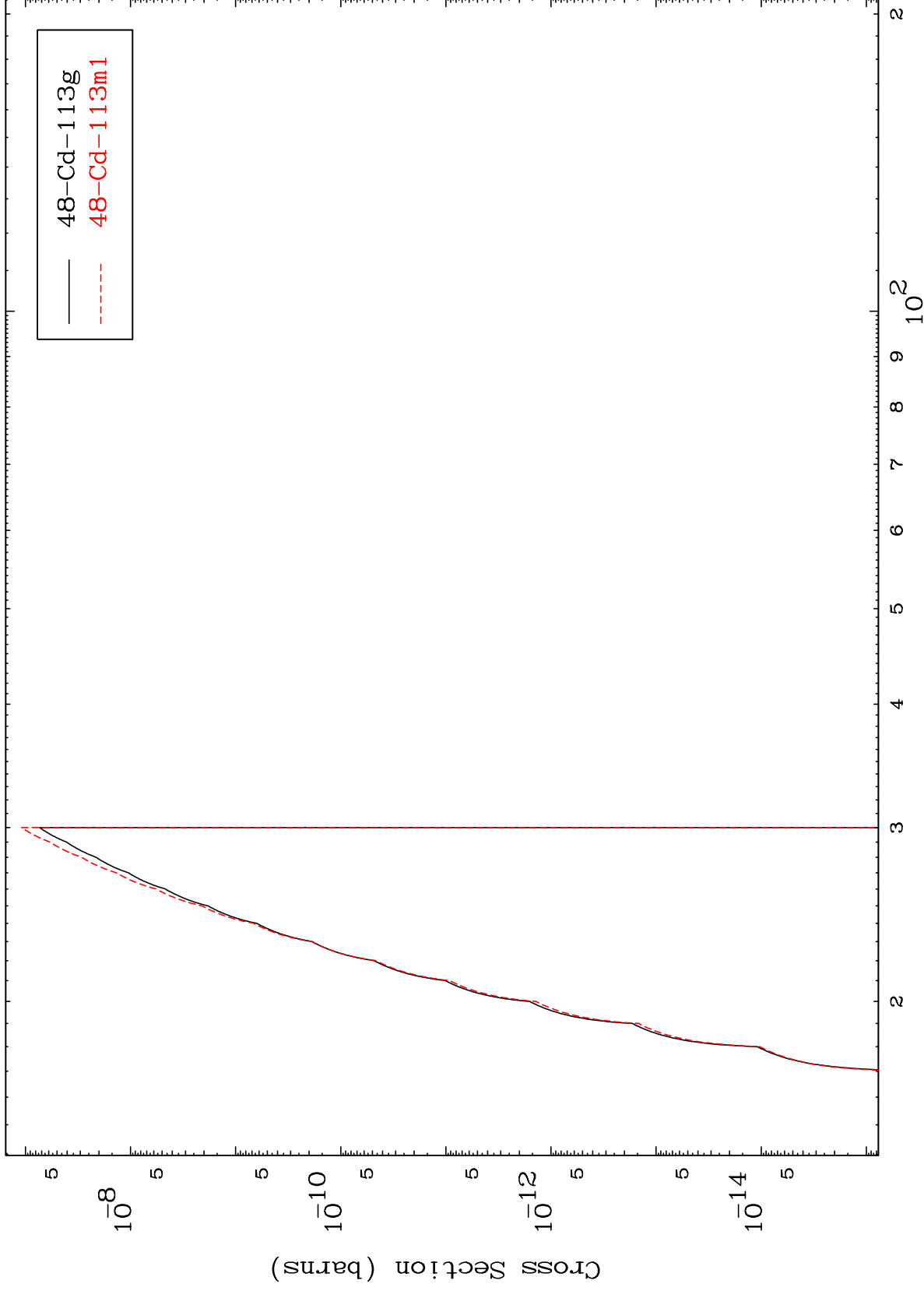
51-Sb-118

MAT 5116

(n,d) α

51-Sb-118

Radionuclide Production Cross Section



114

Incident Energy (MeV)

51-Sb-118