

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

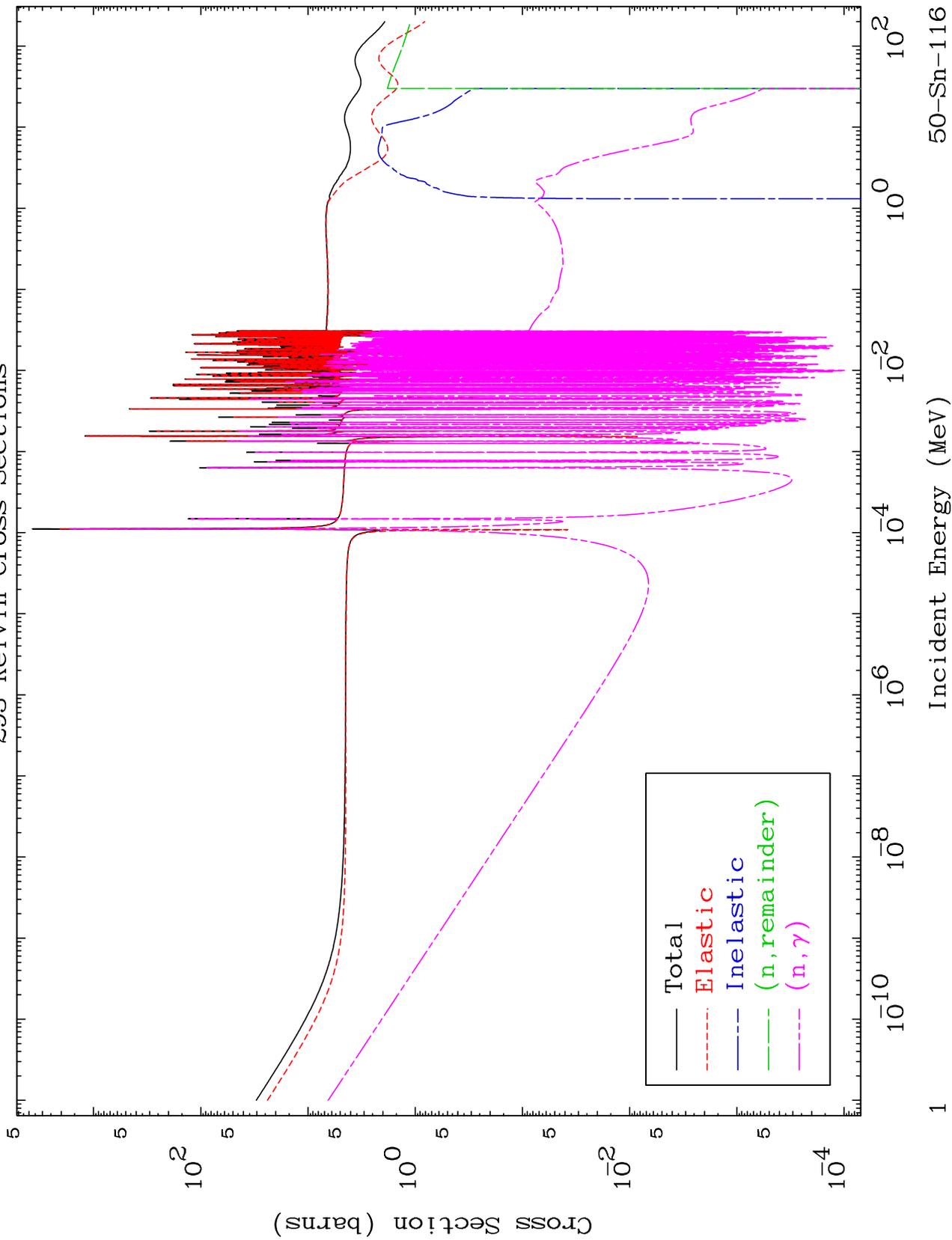
Press Mouse Button to Start

MAT 5037

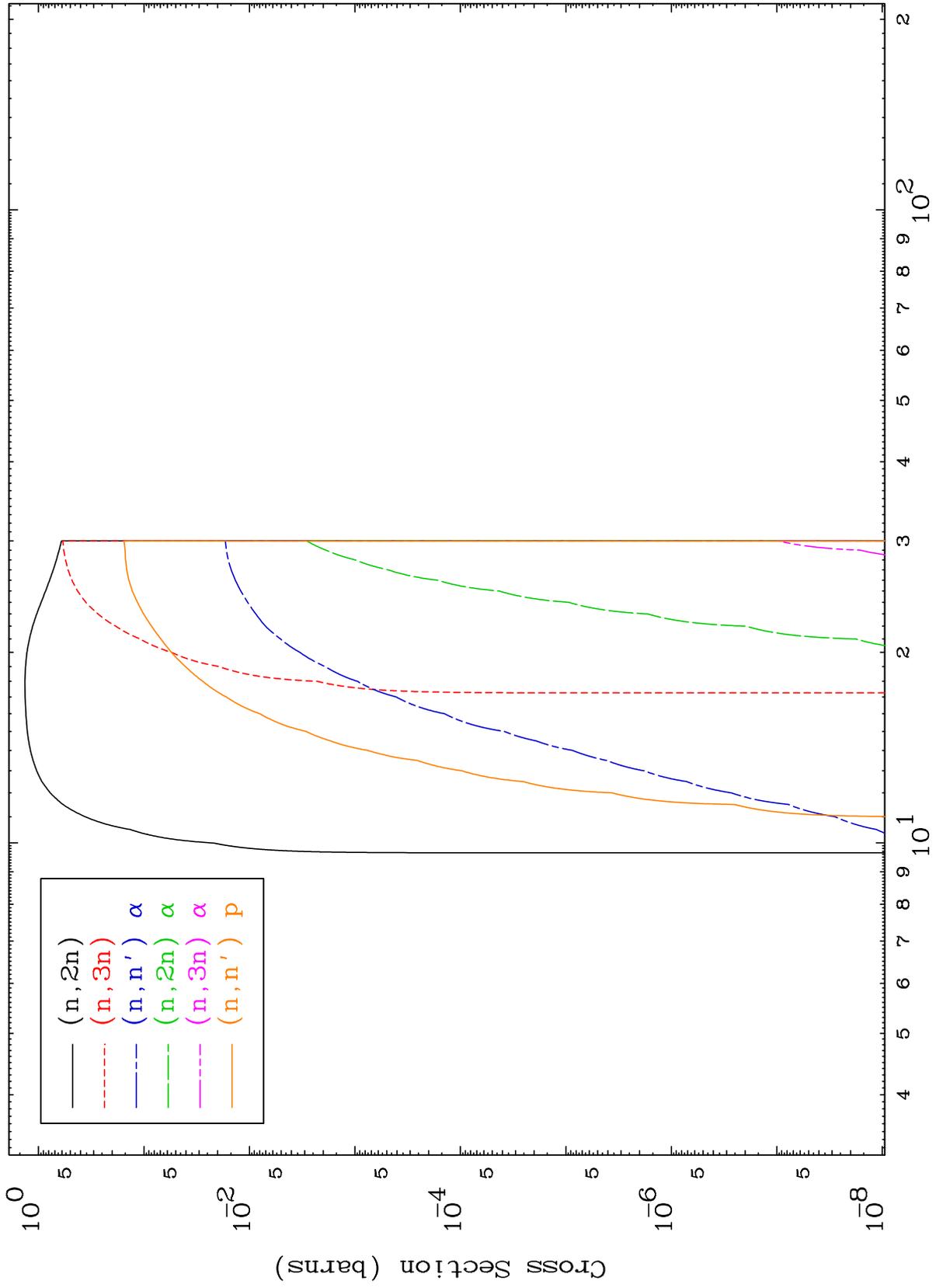
Major

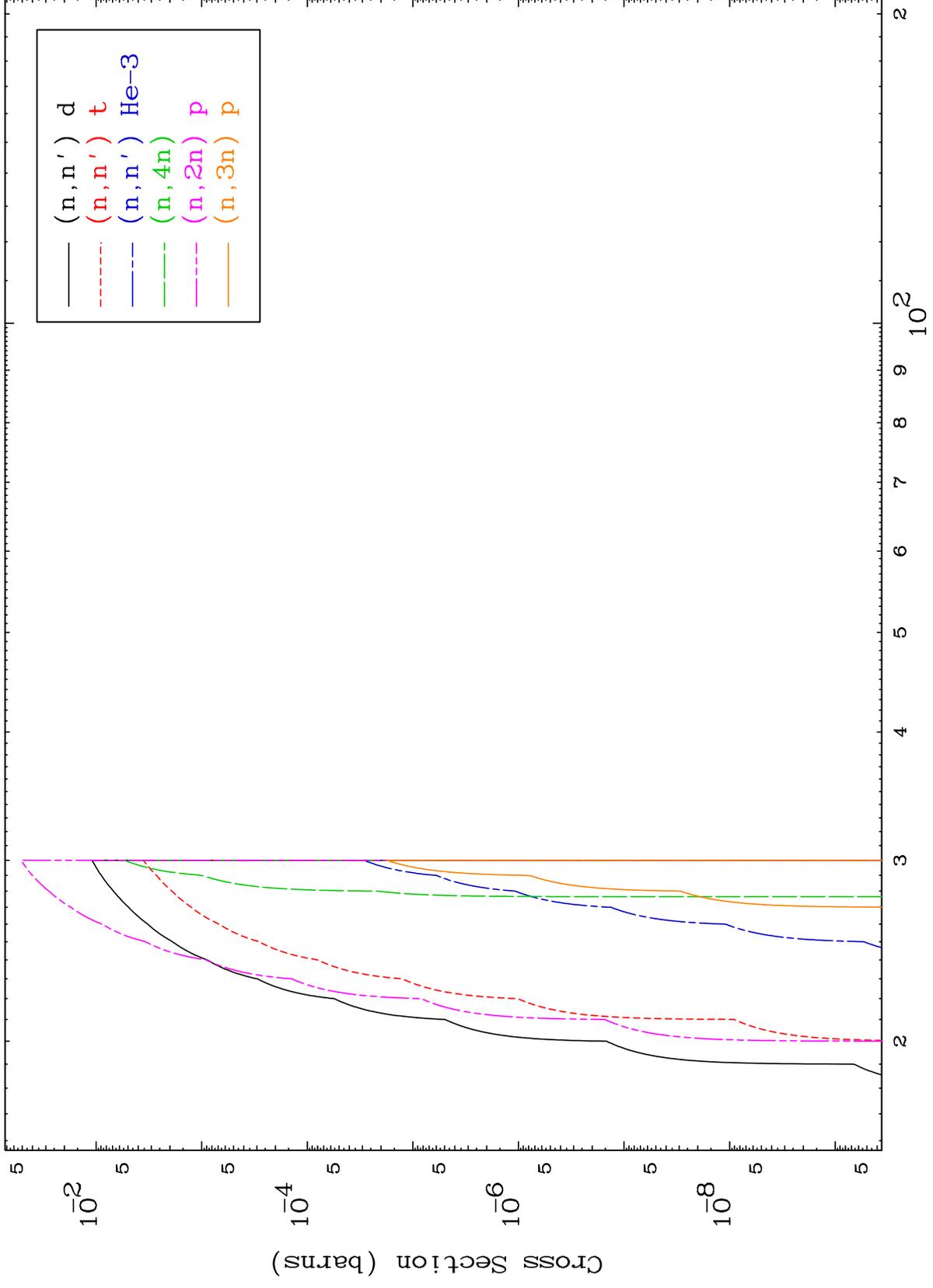
293 Kelvin Cross Sections

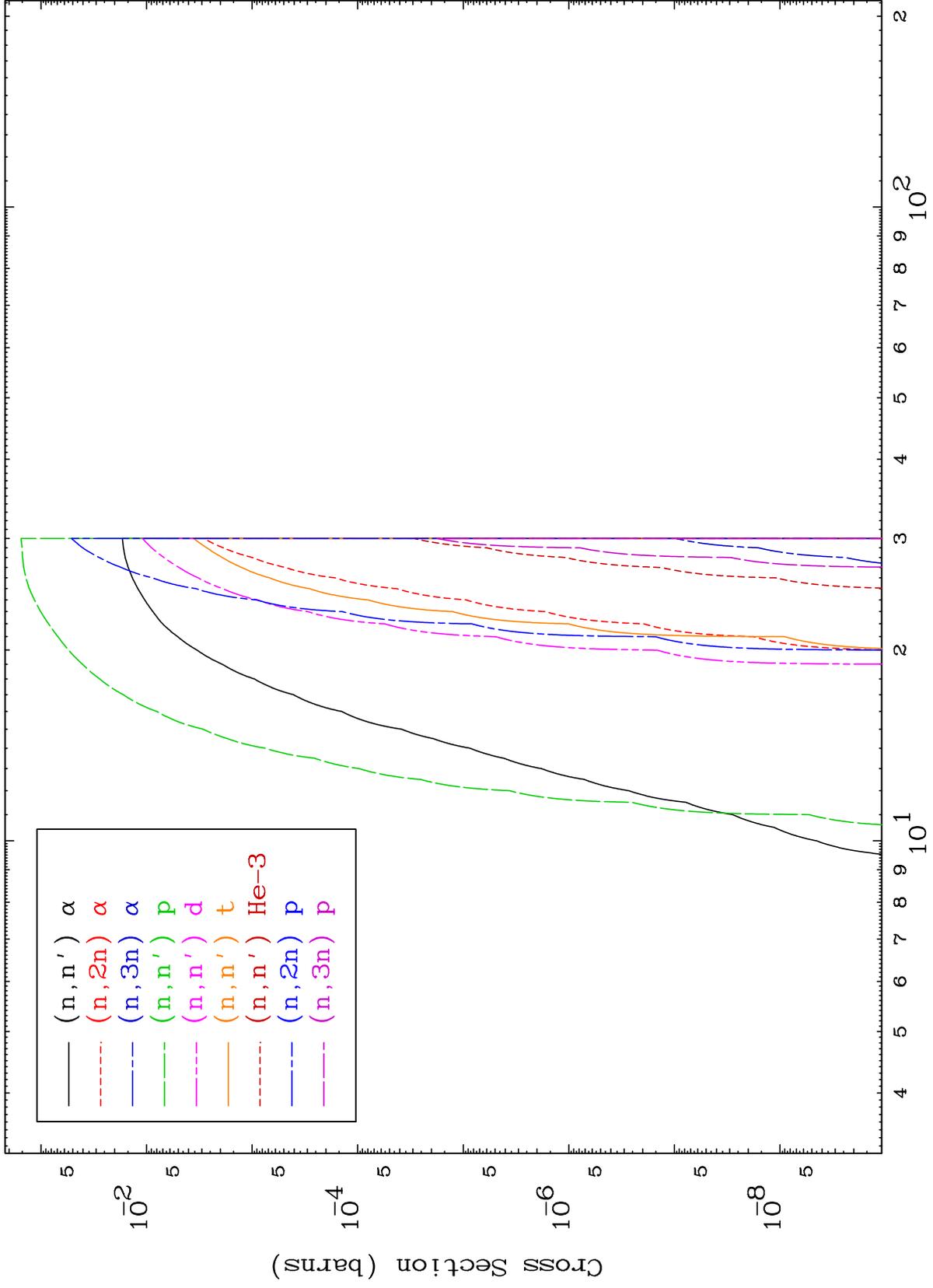
50-Sn-116



Neutron Production
293 Kelvin Cross Sections



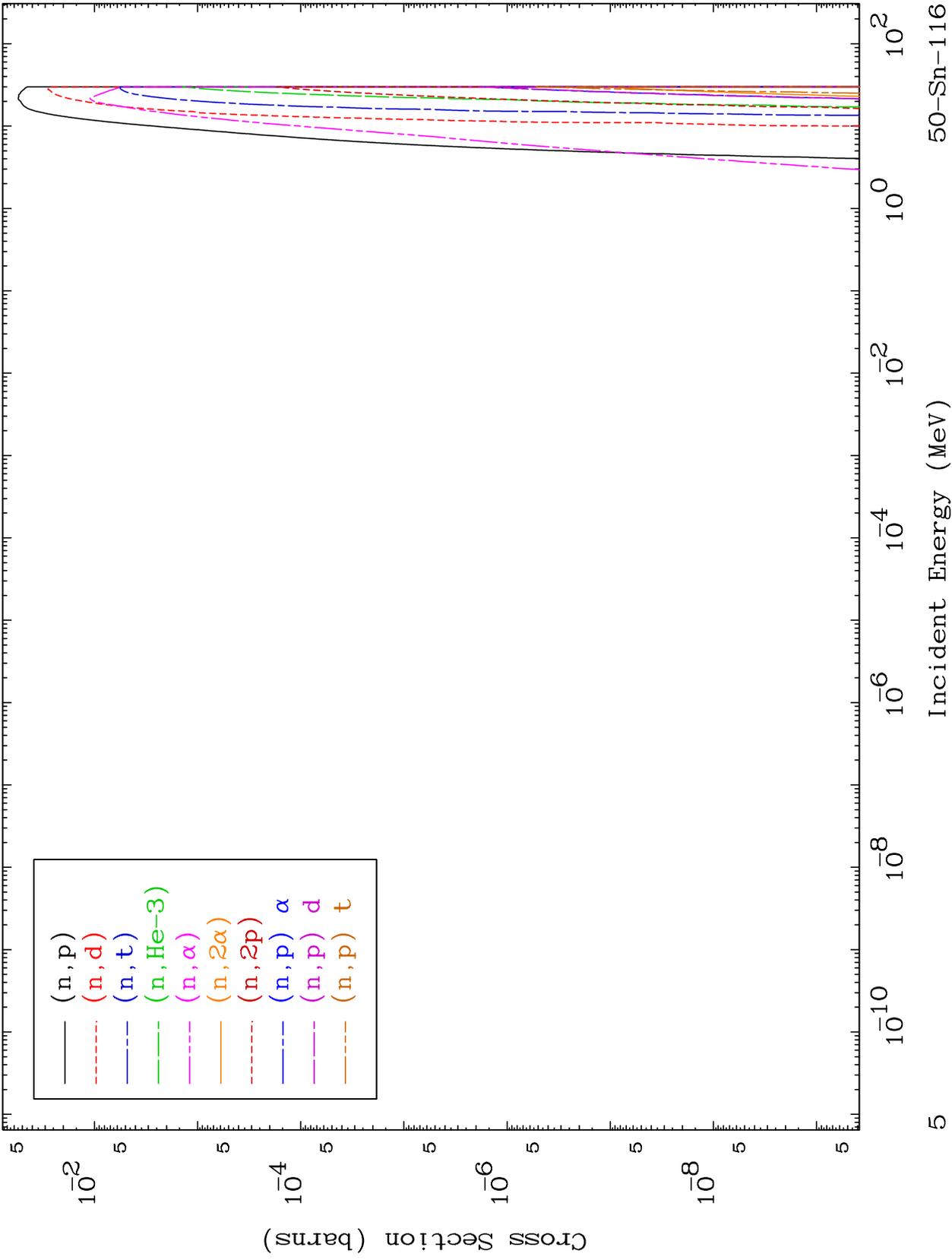




MAT 5037

Charged Particle
293 Kelvin Cross Sections

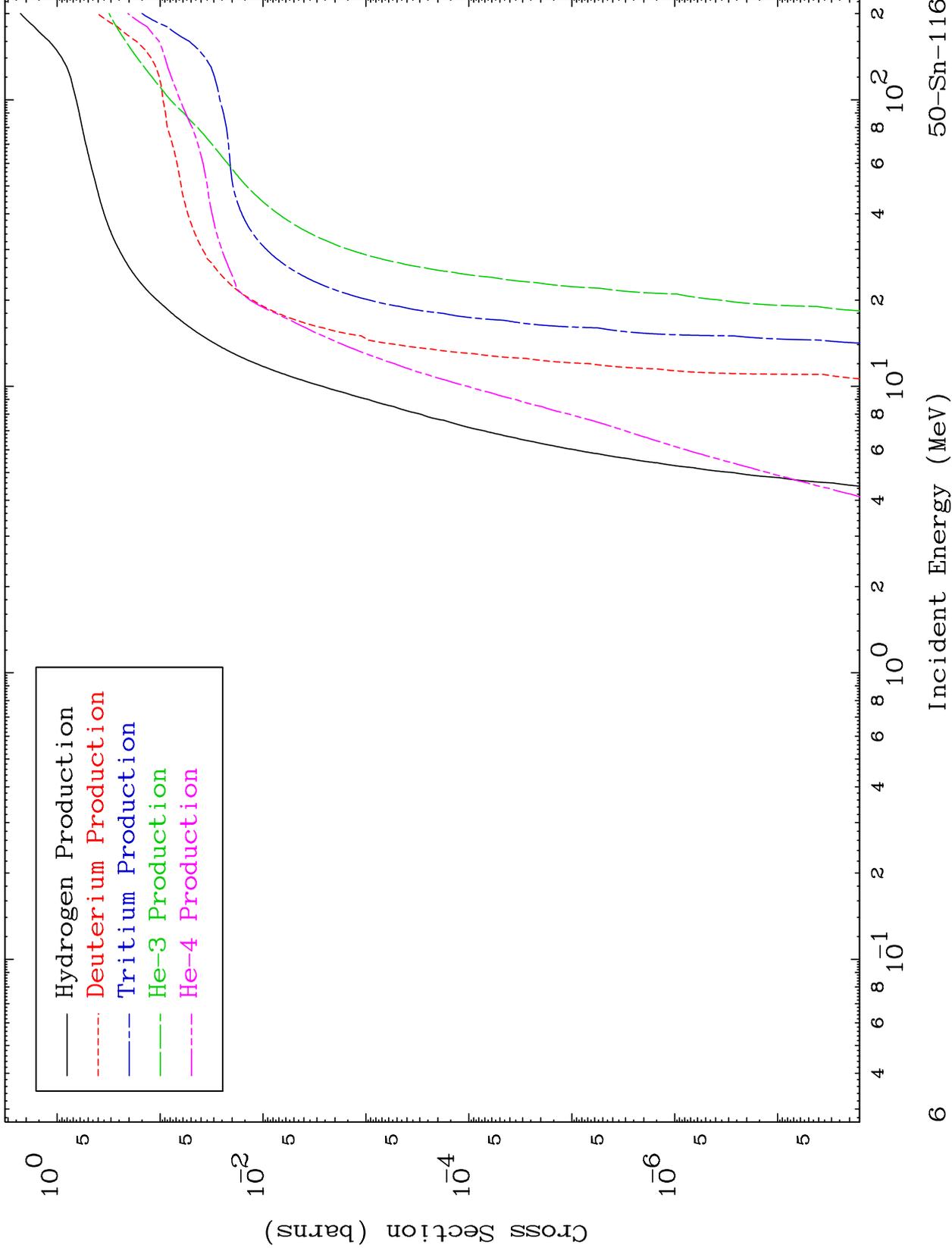
50-Sn-116



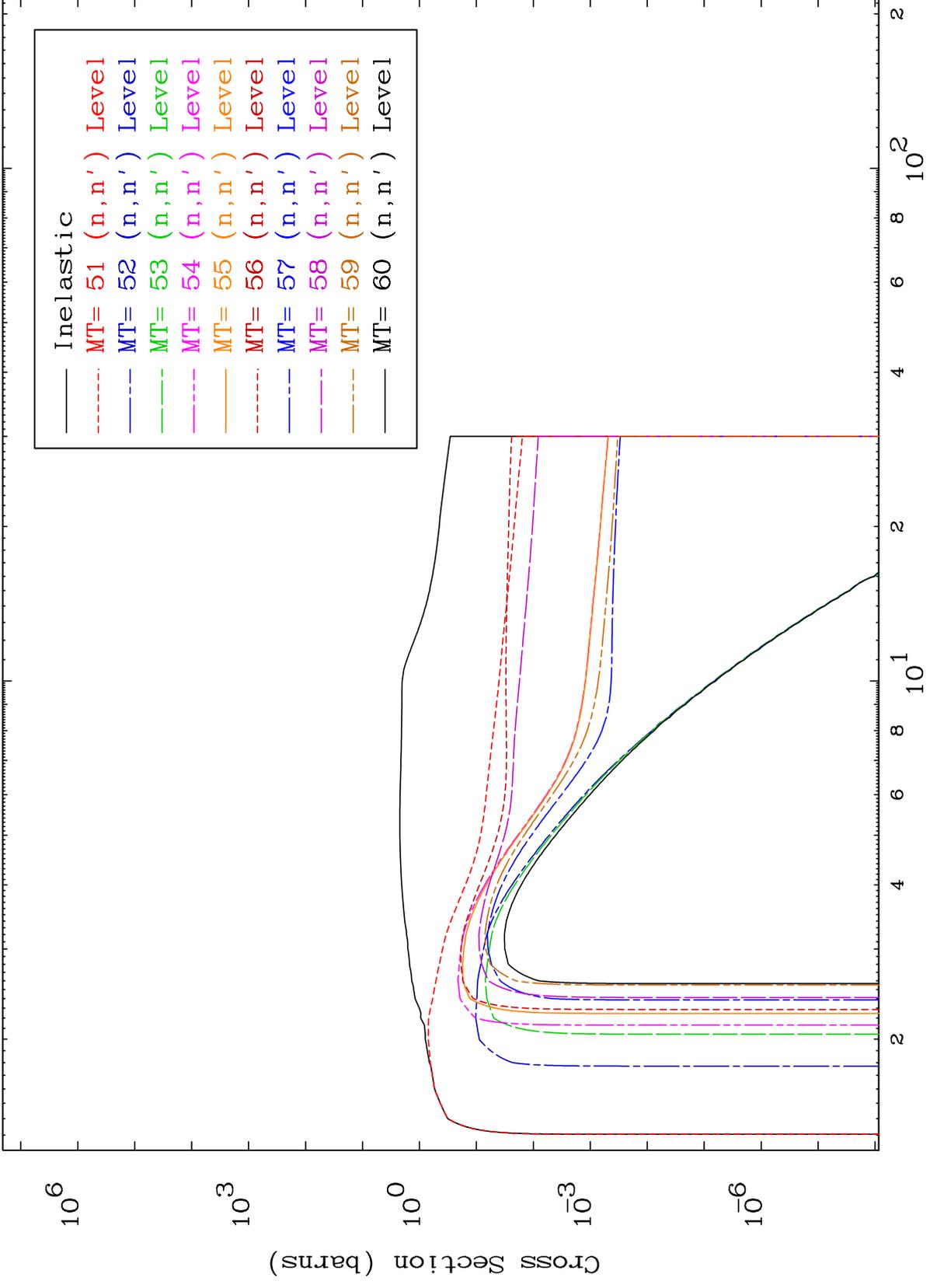
MAT 5037

Particle Production
293 Kelvin Cross Sections

50-Sn-116



293 Kelvin Cross Sections

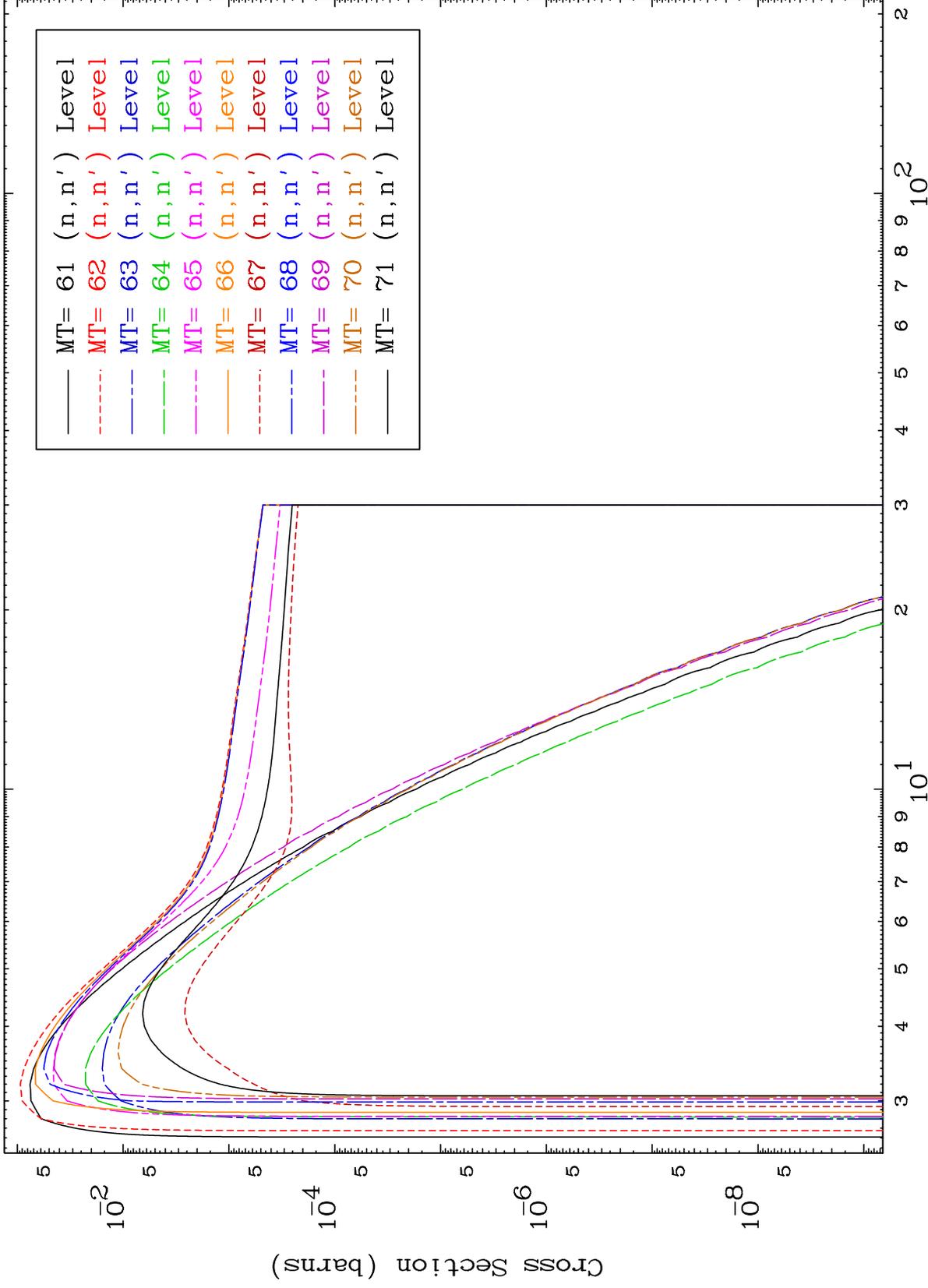


MAT 5037

(n,n') Level

50-Sn-116

293 Kelvin Cross Sections



8

Incident Energy (MeV)

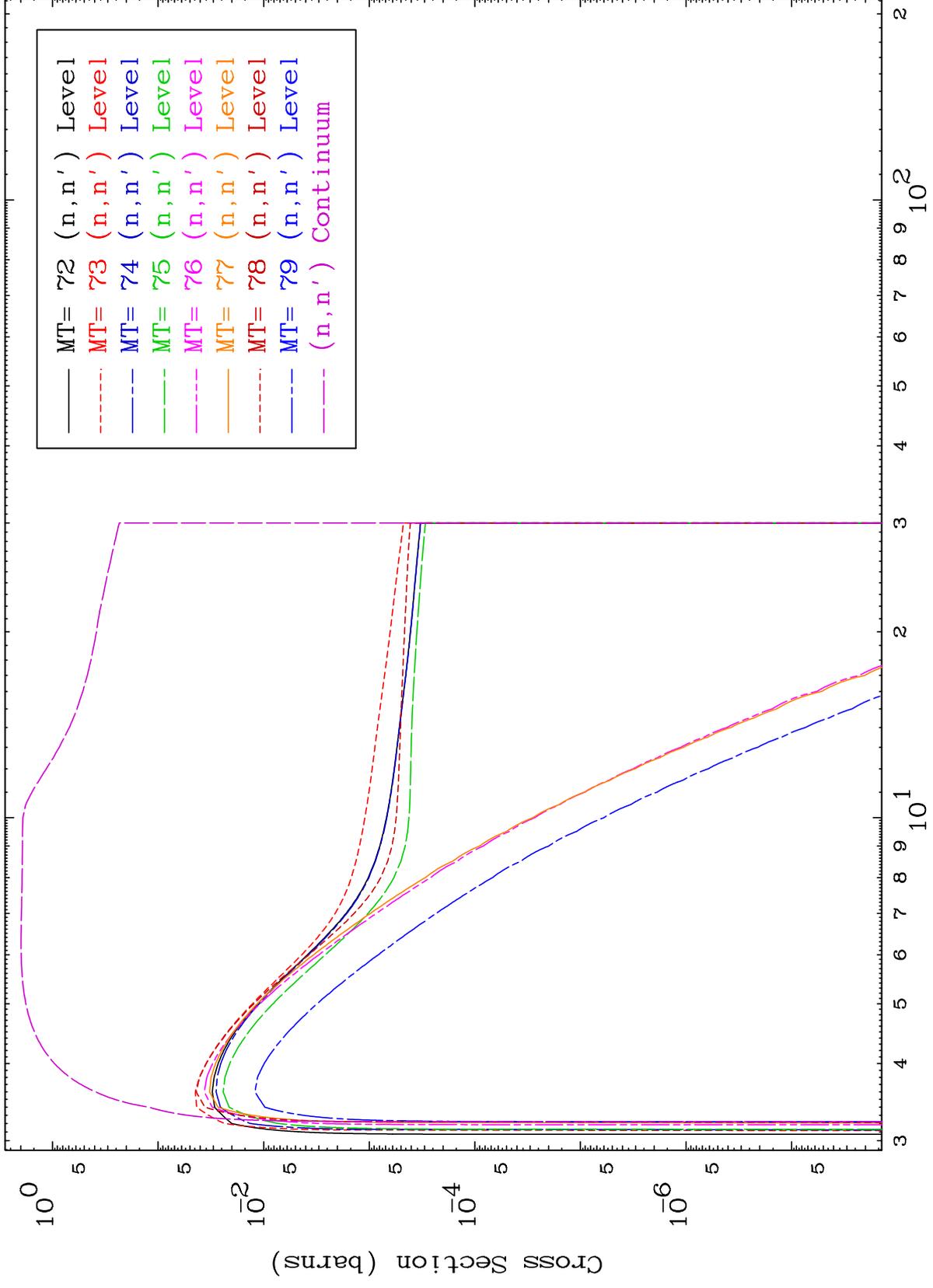
50-Sn-116

MAT 5037

(n,n') Level

50-Sn-116

293 Kelvin Cross Sections



9

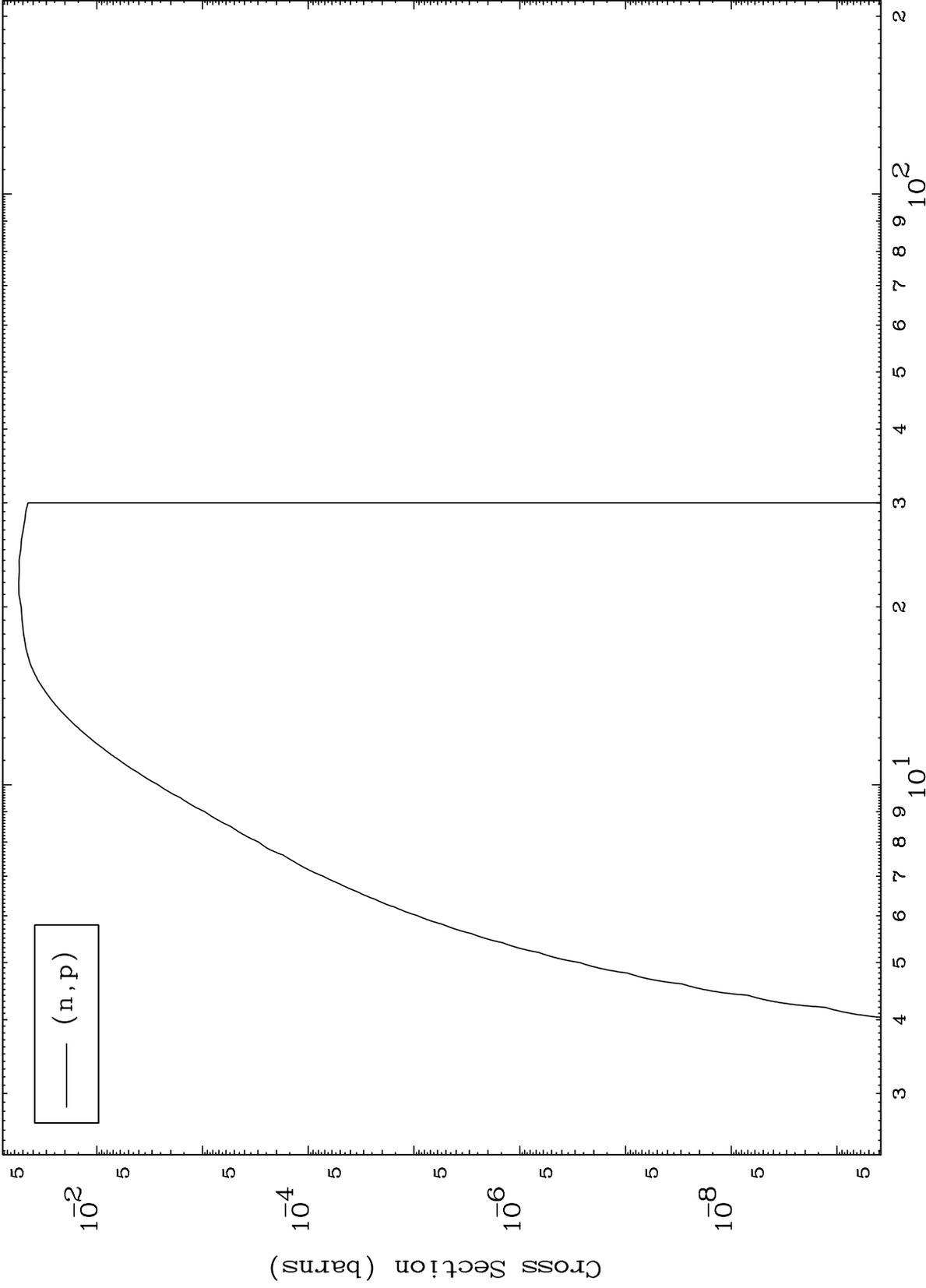
Incident Energy (MeV)

50-Sn-116

MAT 5037

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-116



10

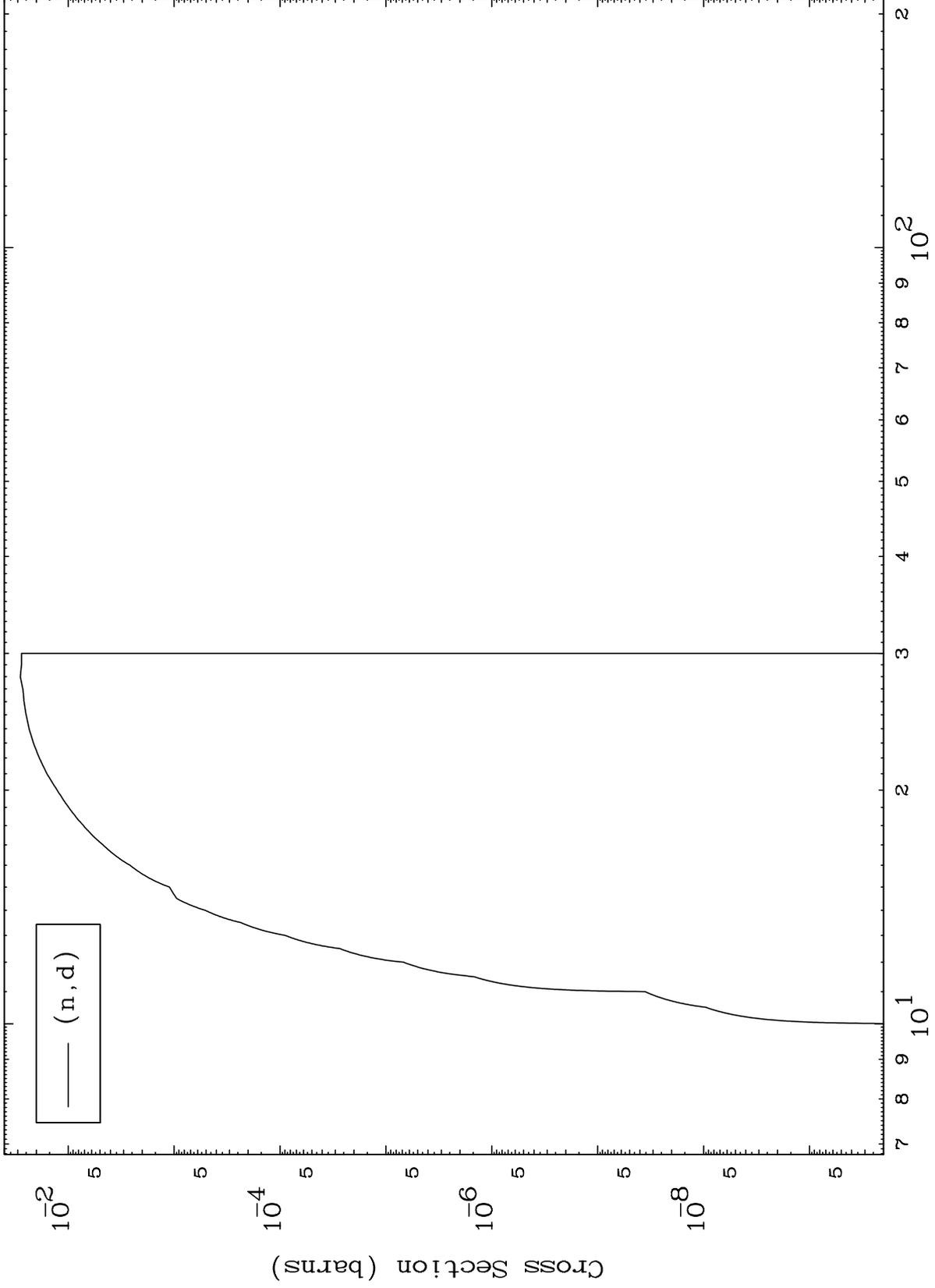
Incident Energy (MeV)

50-Sn-116

MAT 5037

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-116



11

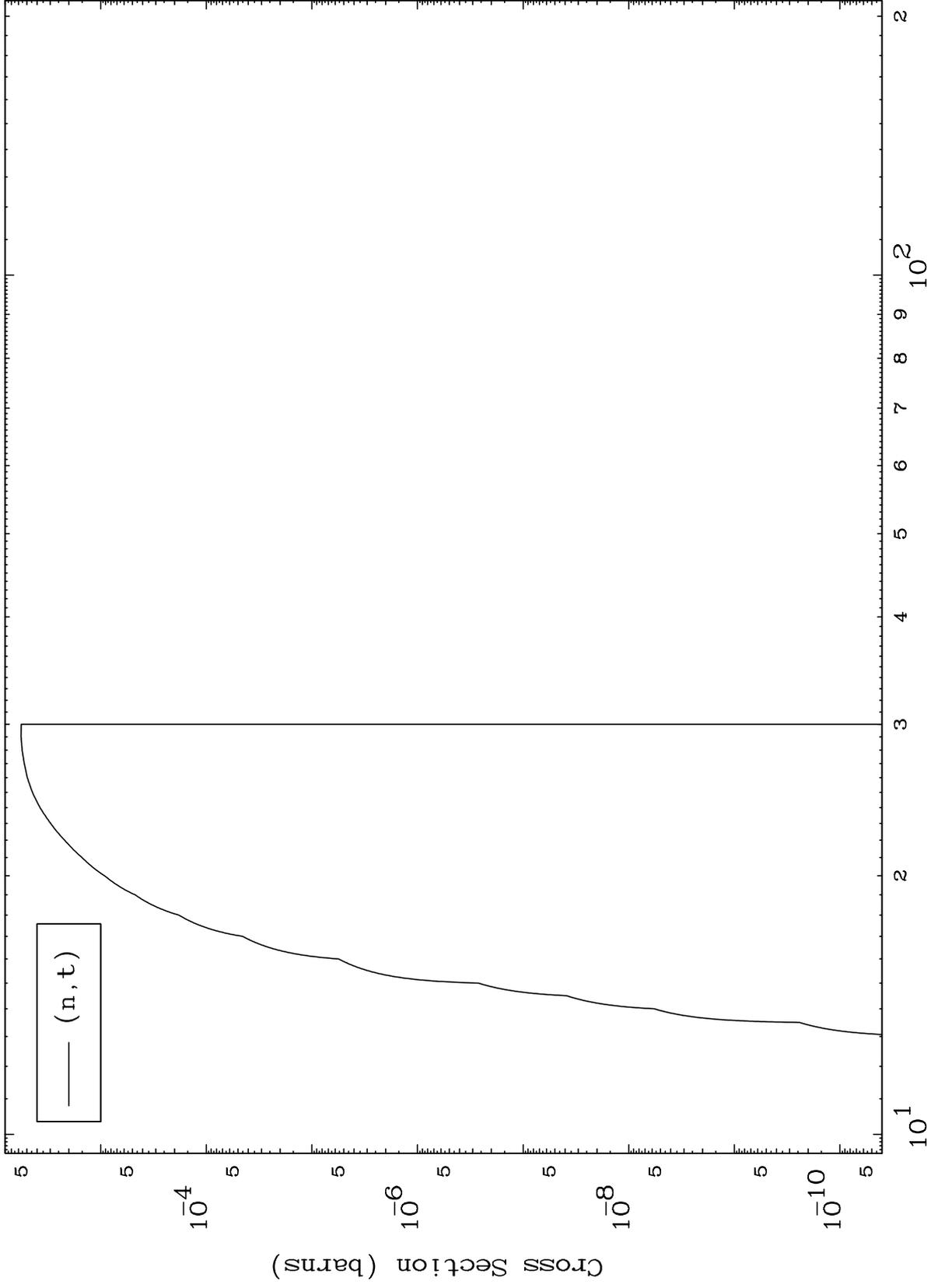
Incident Energy (MeV)

50-Sn-116

MAT 5037

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-116



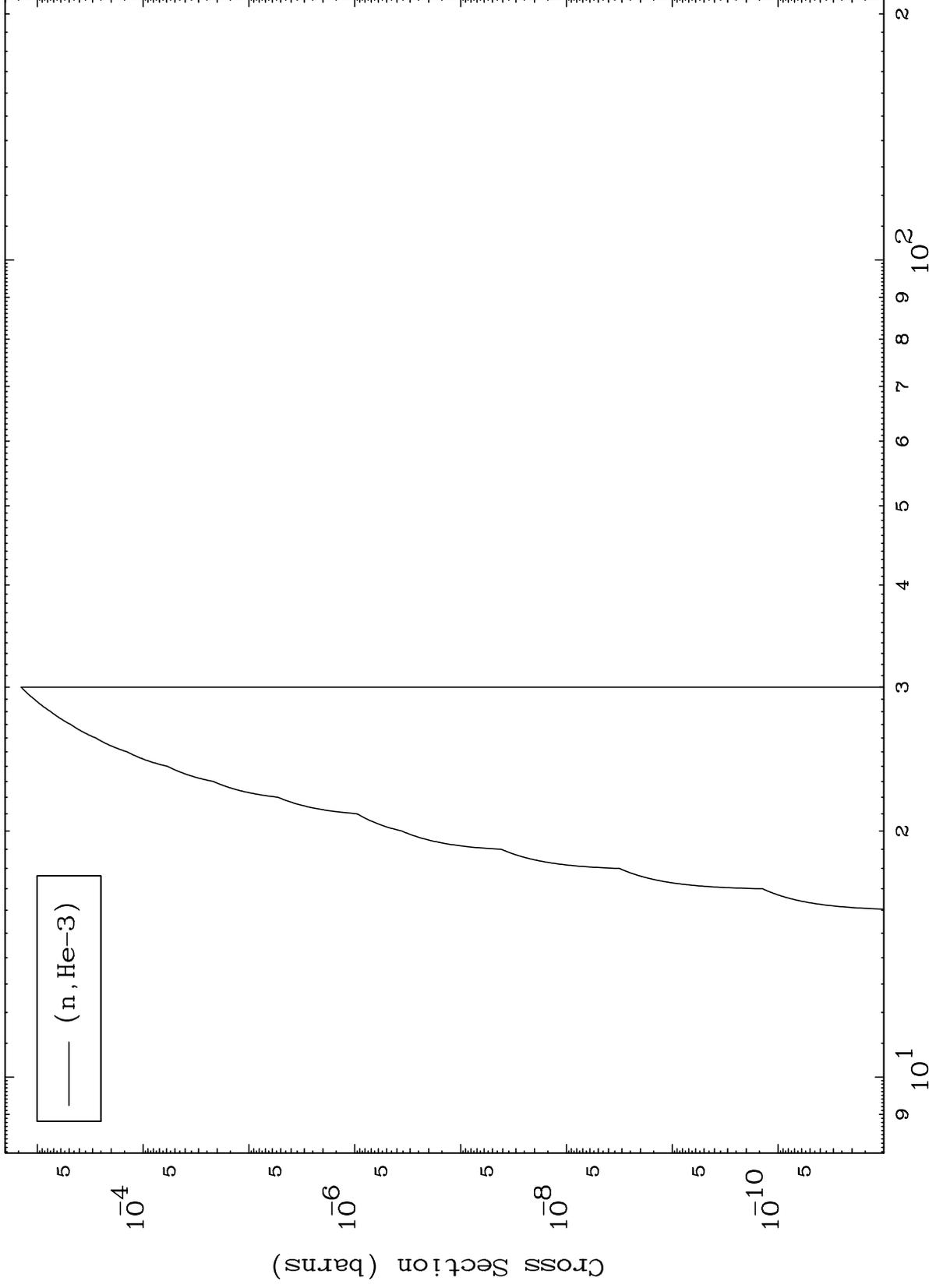
Incident Energy (MeV)

50-Sn-116

MAT 5037

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-116



13

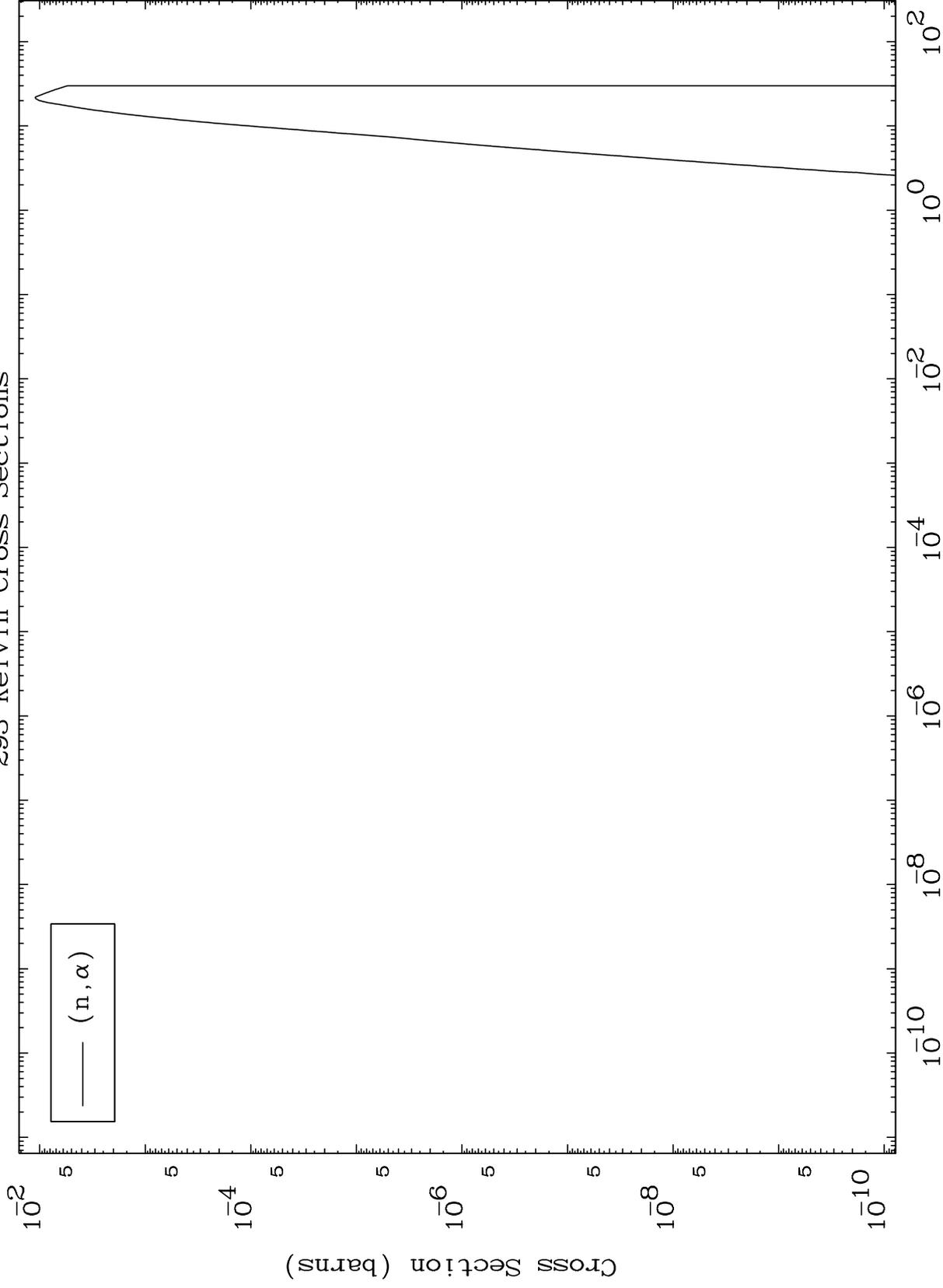
Incident Energy (MeV)

50-Sn-116

MAT 5037

(n, α) Levels
293 Kelvin Cross Sections

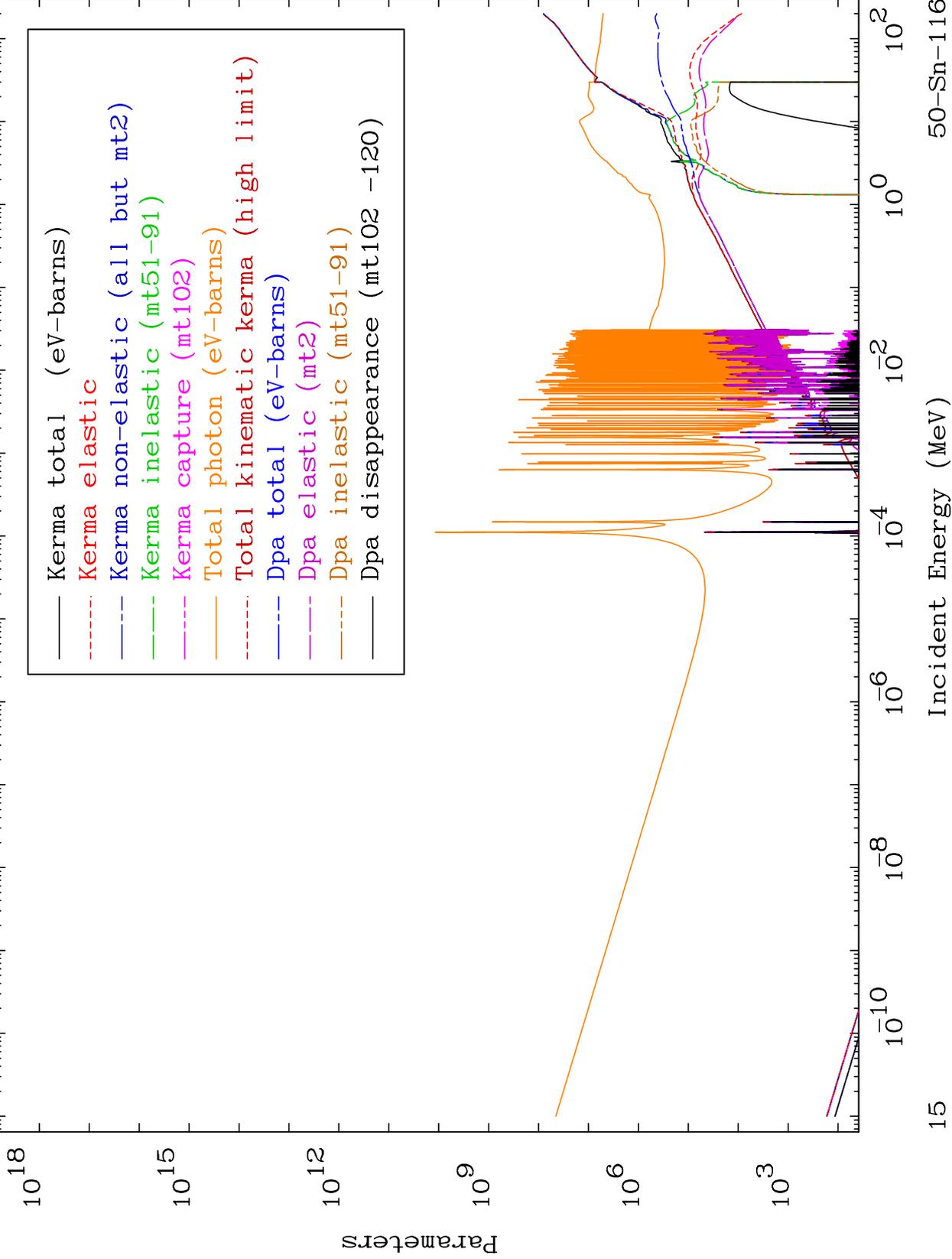
50-Sn-116



14

Incident Energy (MeV)

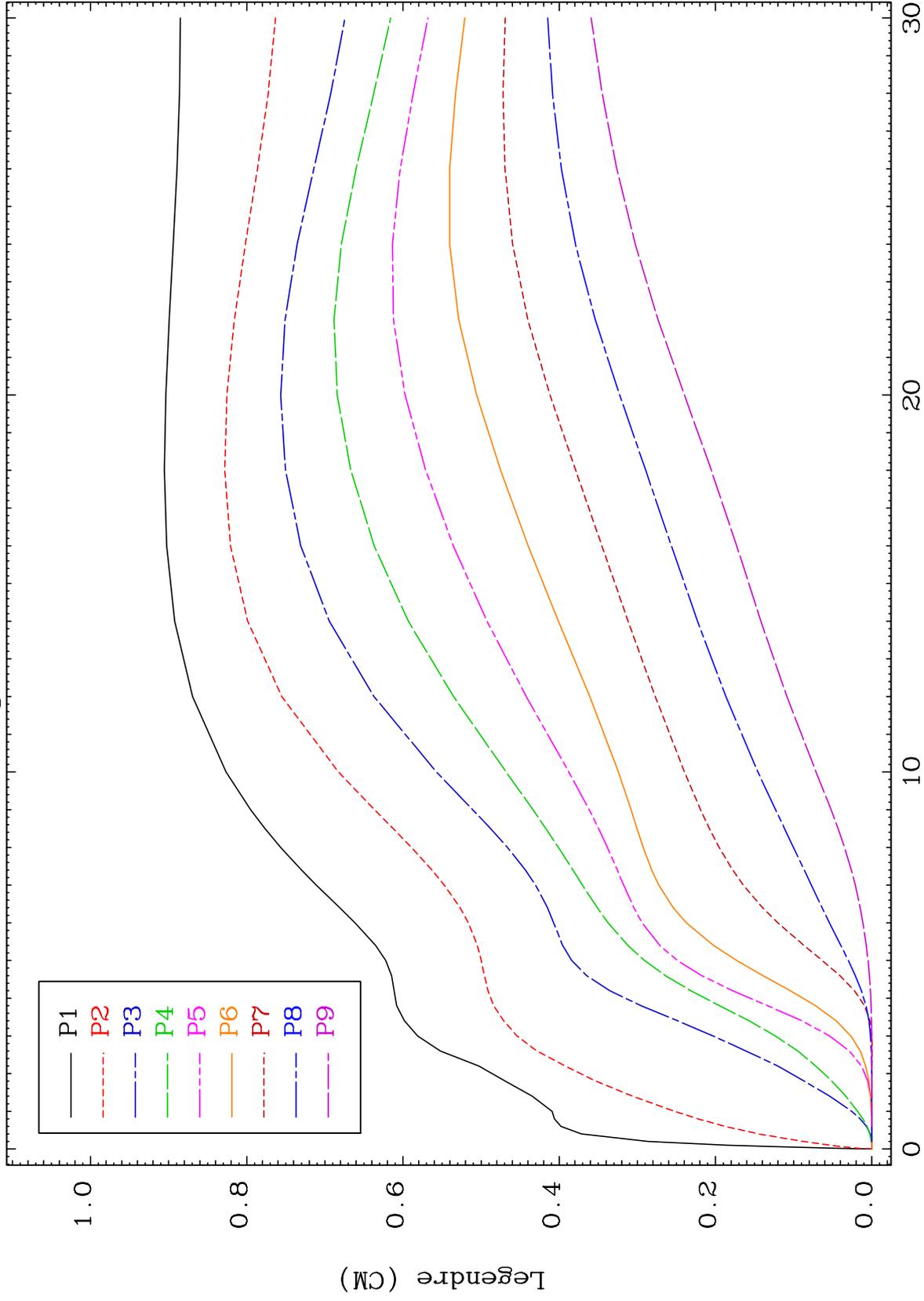
50-Sn-116



MAT 5037

Elastic Legendre Coefficients

50-Sn-116



16

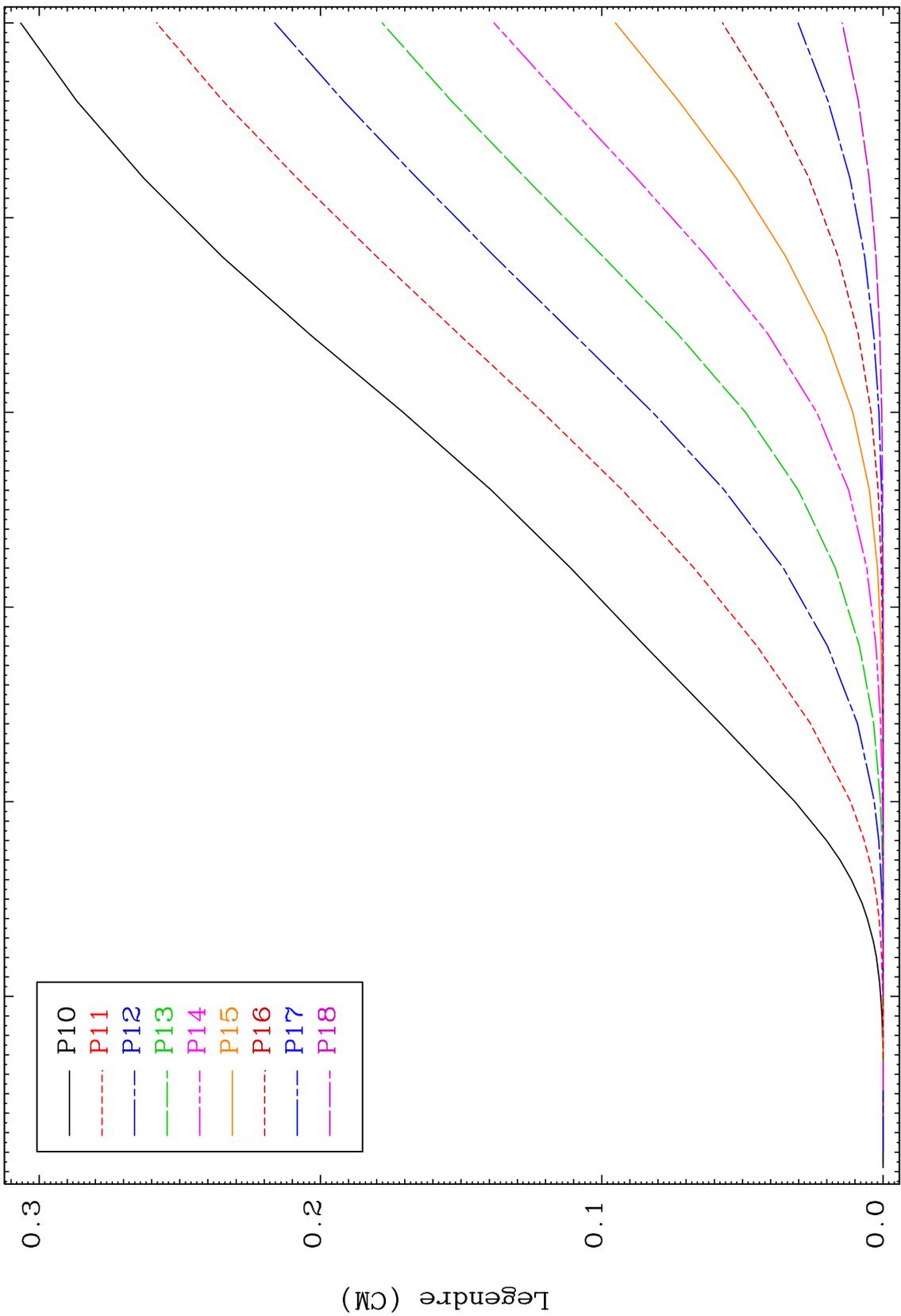
Incident Energy (MeV)

50-Sn-116

MAT 5037

Elastic Legendre Coefficients

50-Sn-116



17

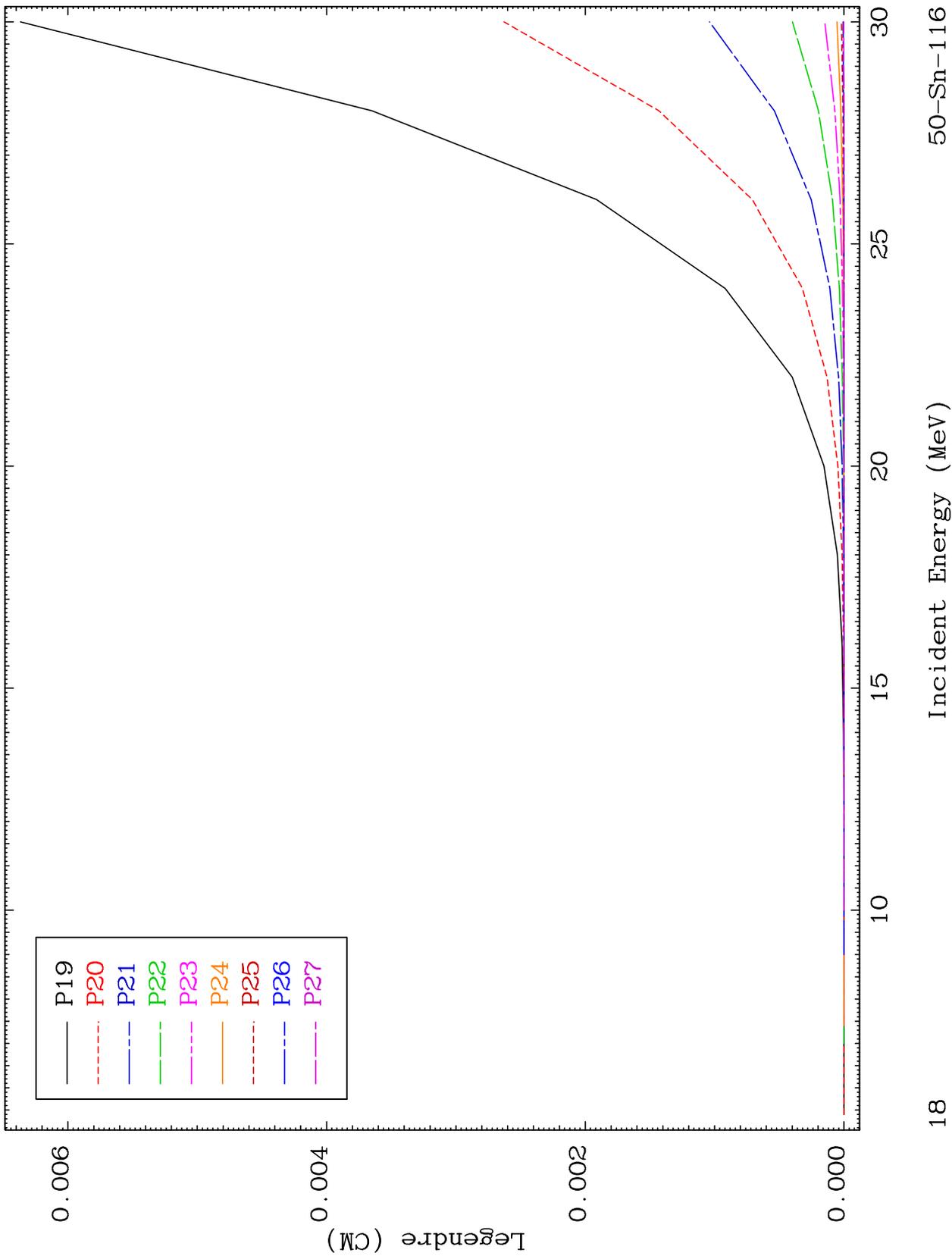
Incident Energy (MeV)

50-Sn-116

MAT 5037

Elastic
Legendre Coefficients

50-Sn-116



18

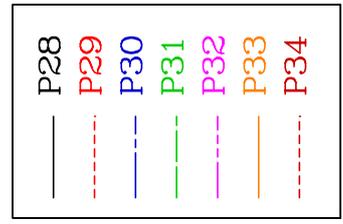
Incident Energy (MeV)

50-Sn-116

MAT 5037

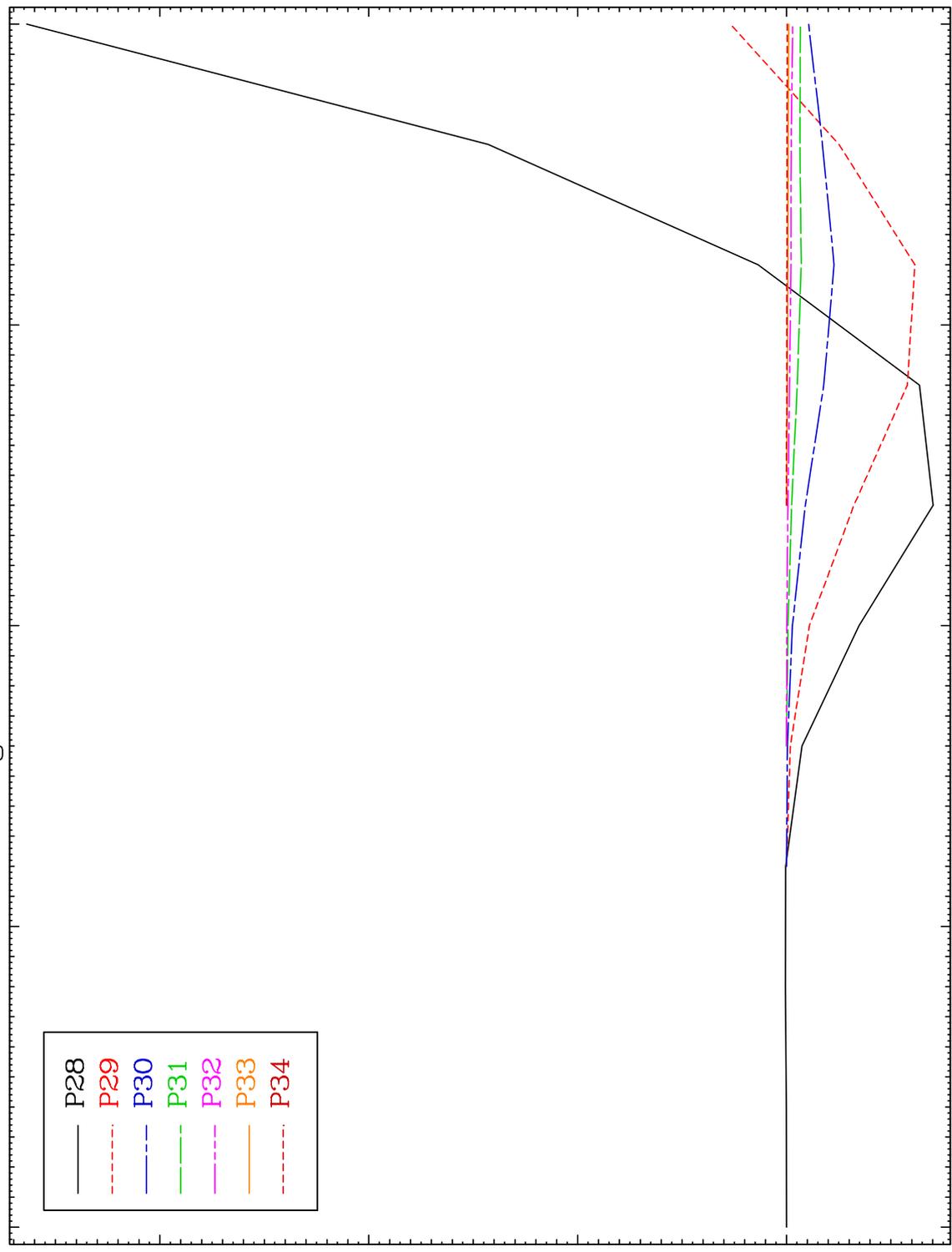
Elastic
Legendre Coefficients

50-Sn-116



$\times 10^{-7}$

Legendre (CM)



Incident Energy (MeV)

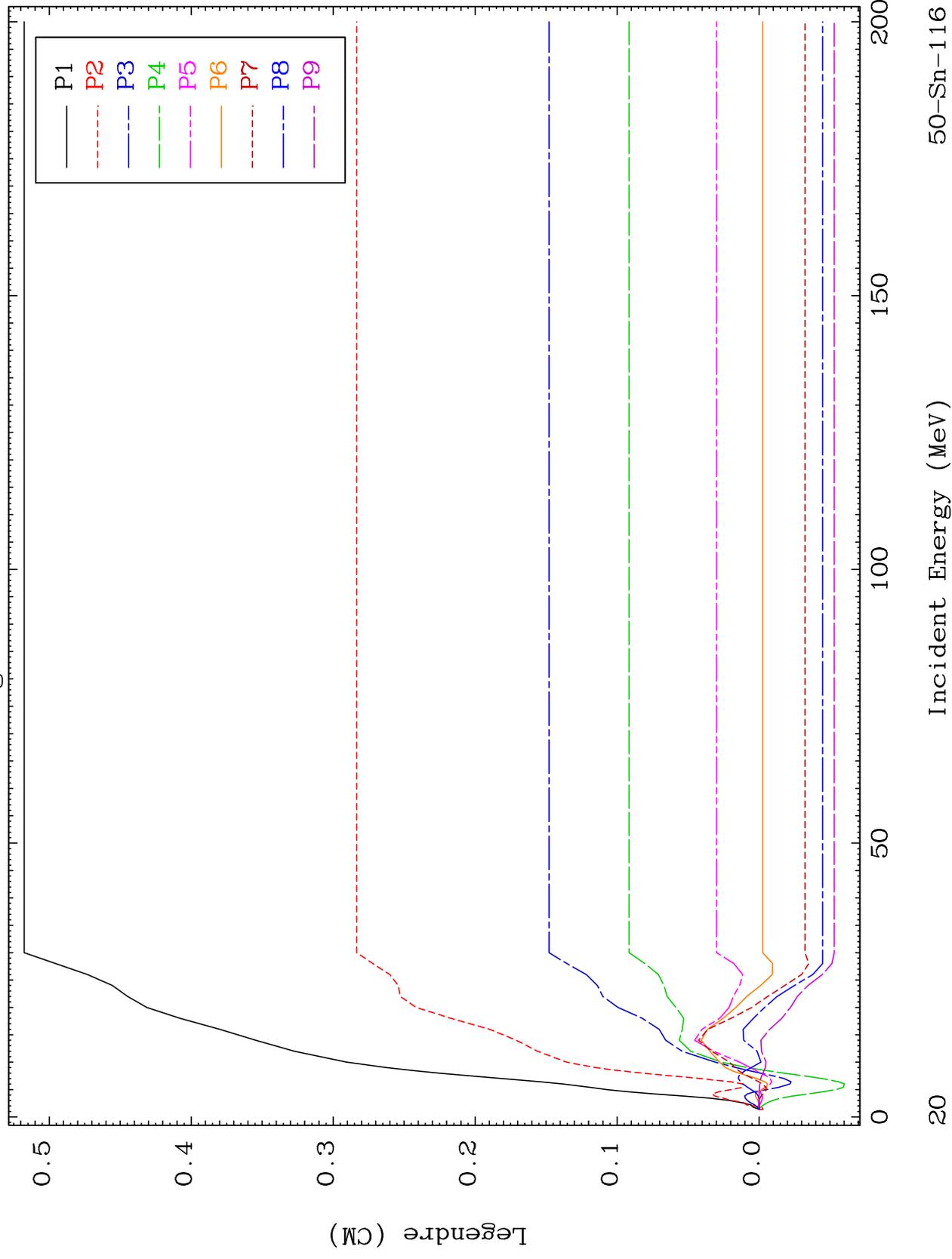
50-Sn-116

19

MAT 5037

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

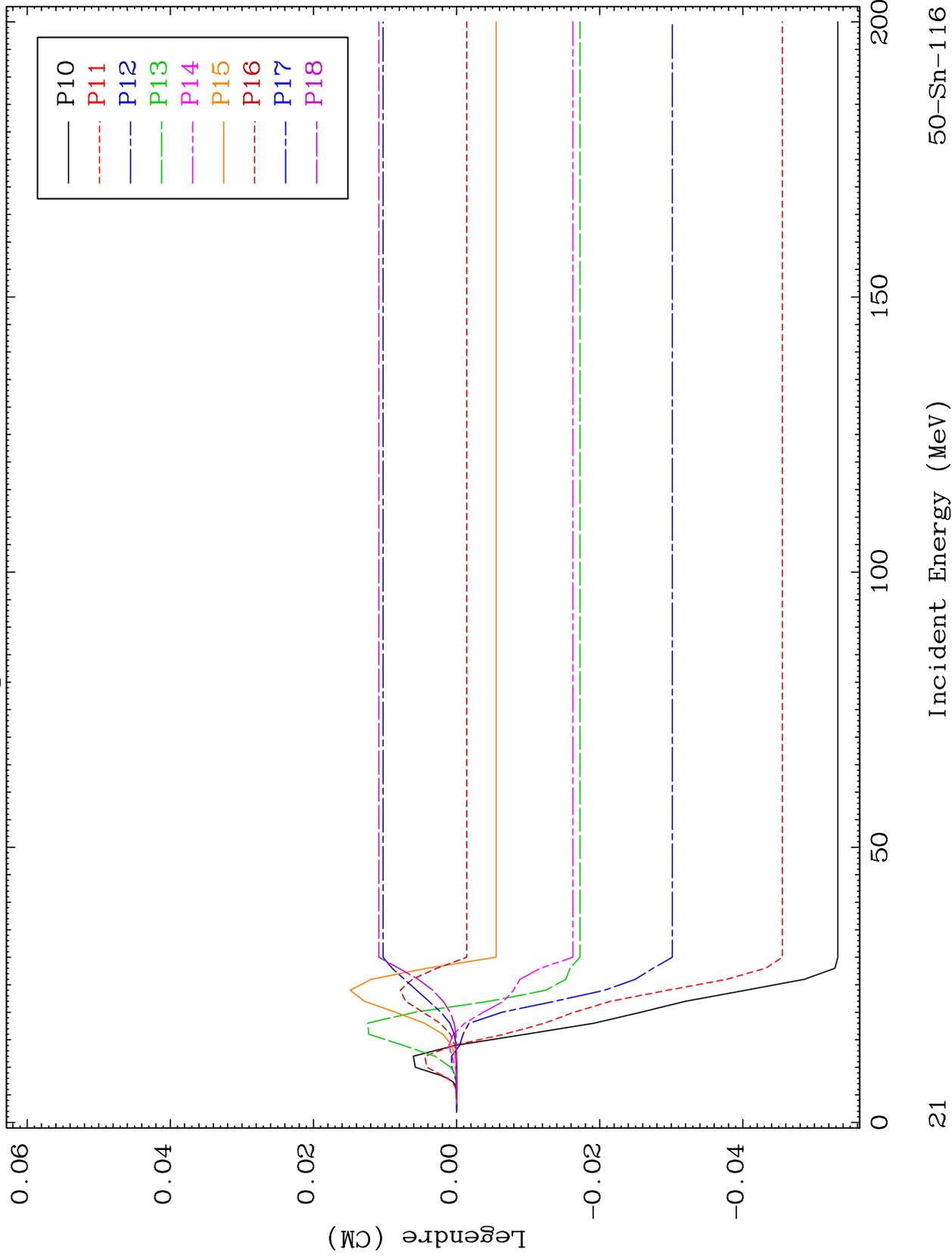
50-Sn-116



MAT 5037

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

50-Sn-116



21

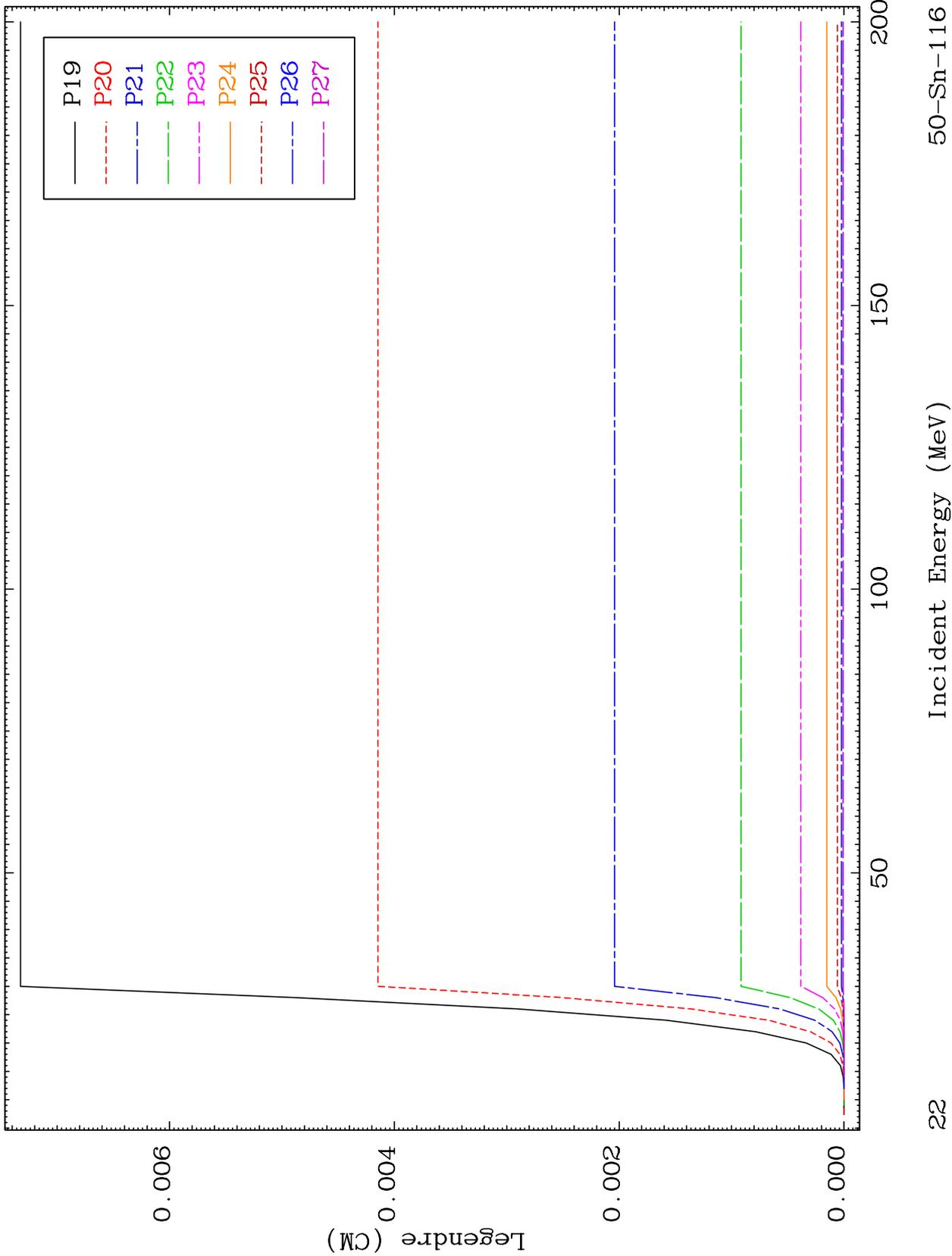
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



22

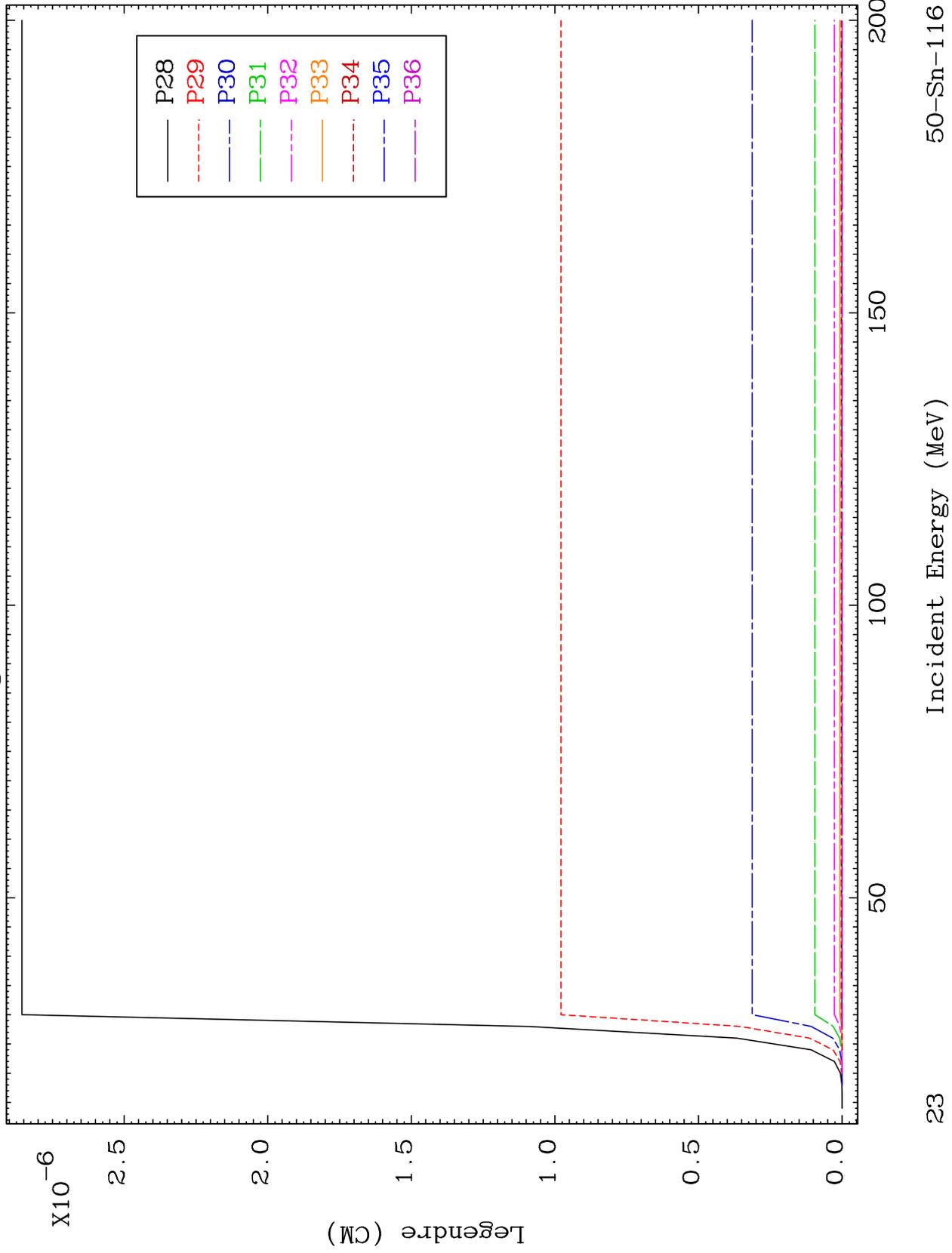
Incident Energy (MeV)

50-Sn-116

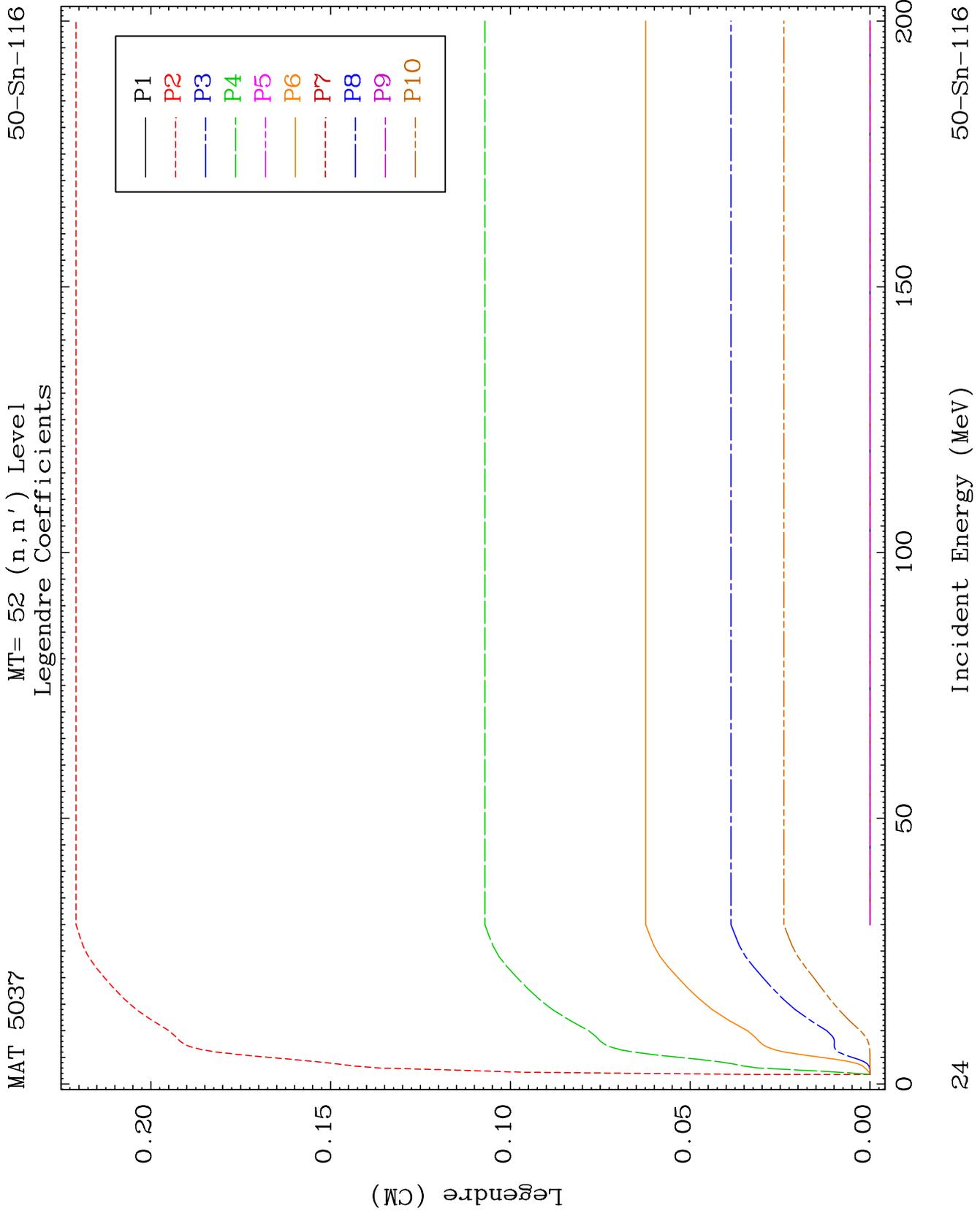
MAT 5037

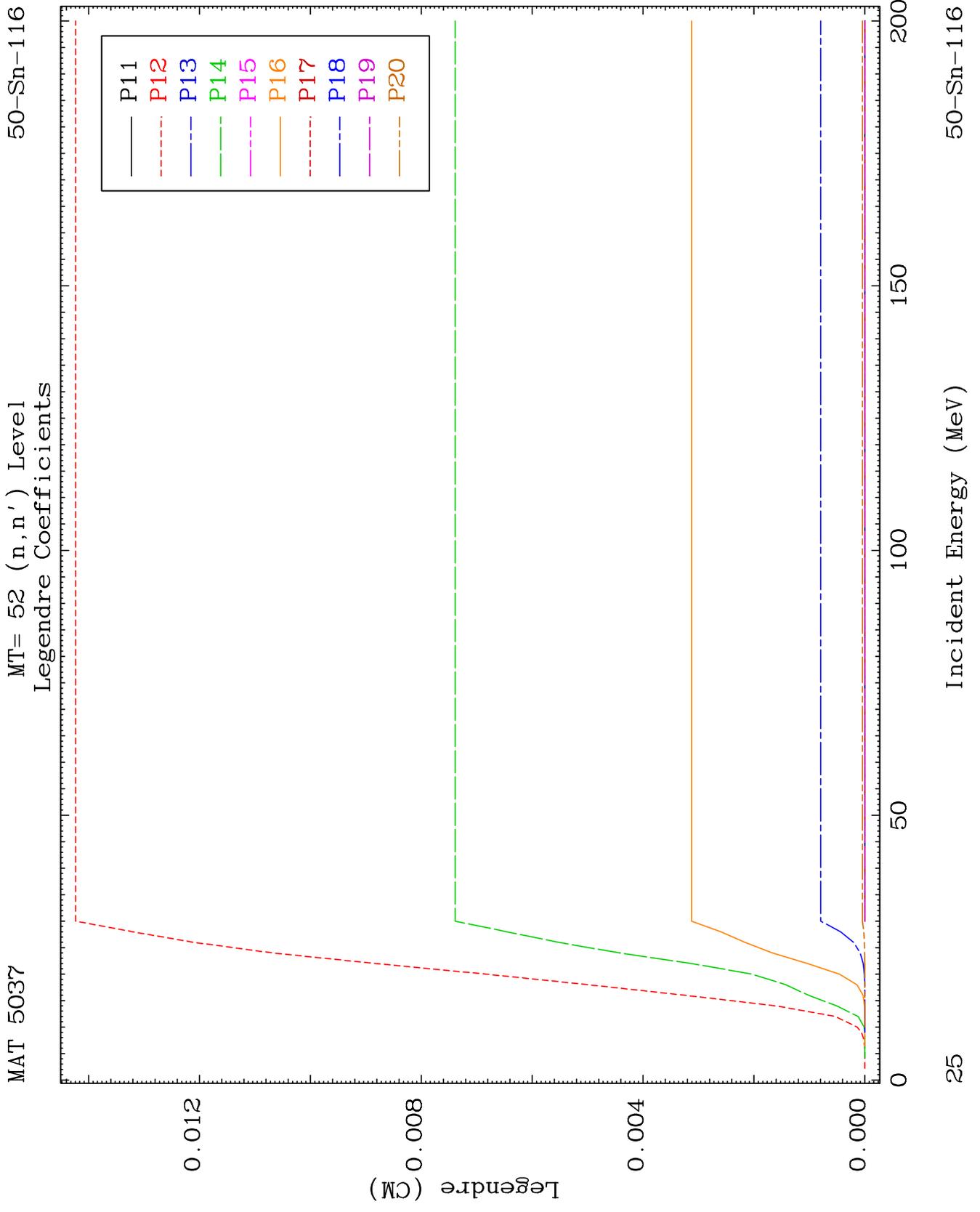
MT= 51 (n,n') Level
Legendre Coefficients

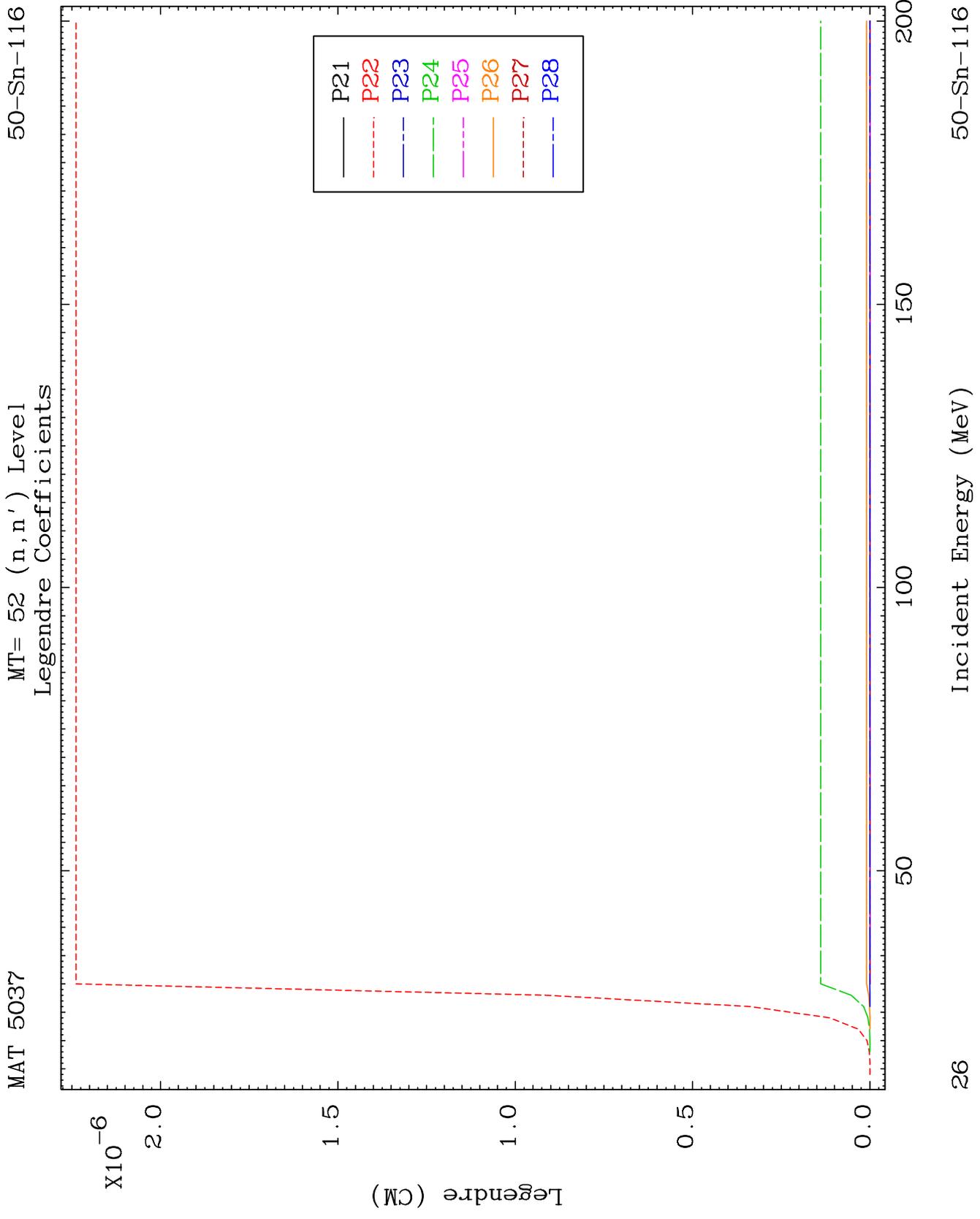
50-Sn-116

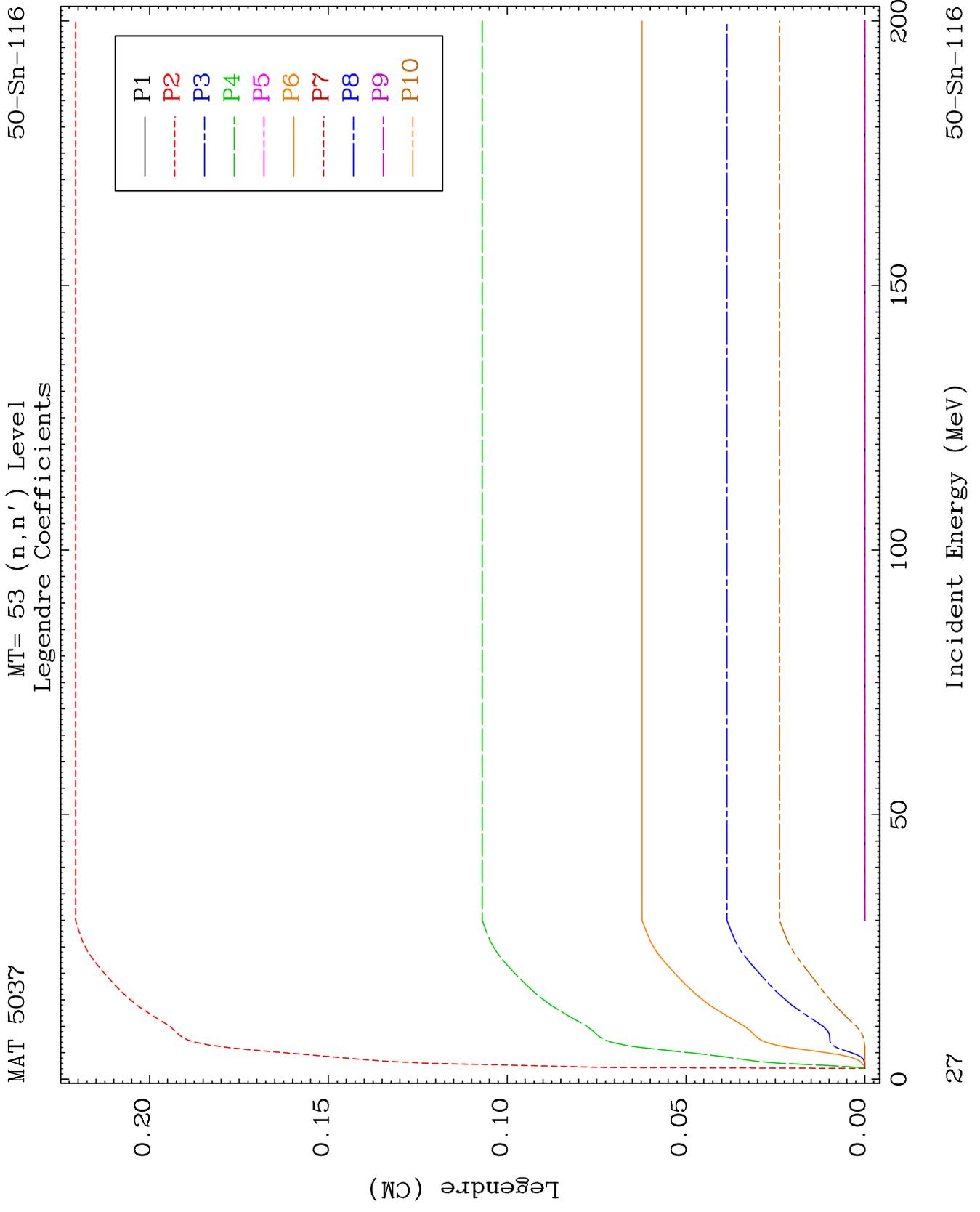


23





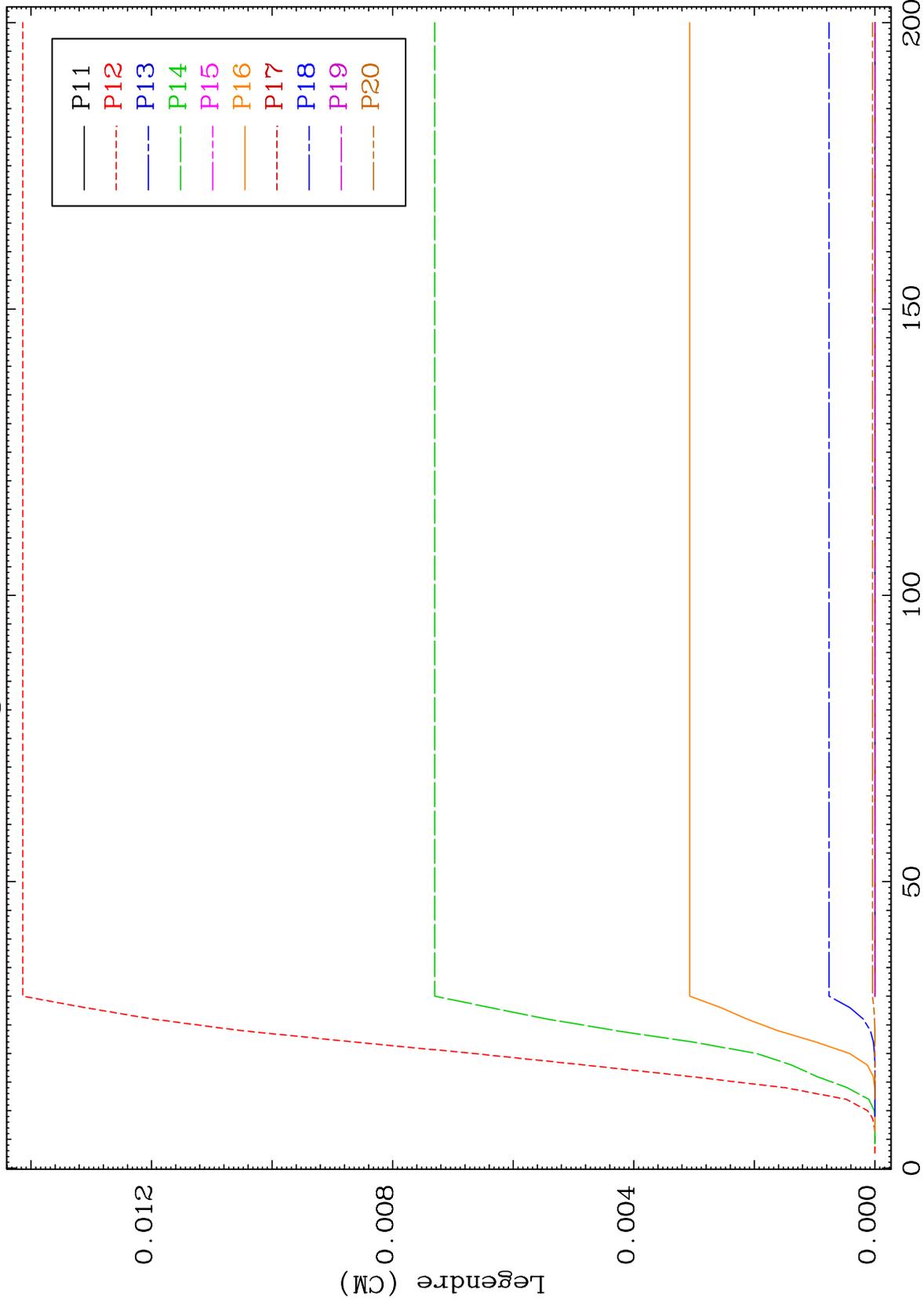




MAT 5037

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

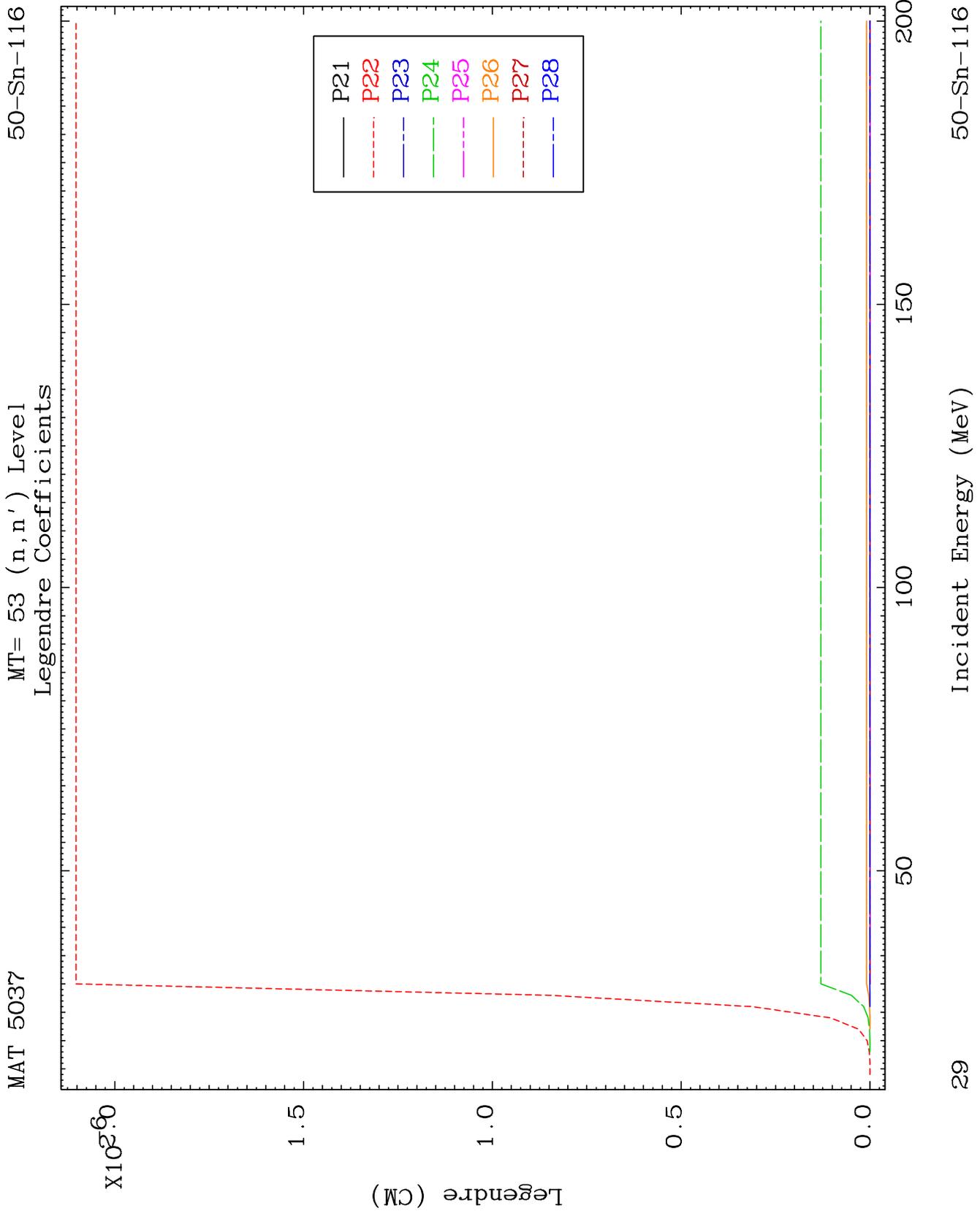
50-Sn-116



28

Incident Energy (MeV)

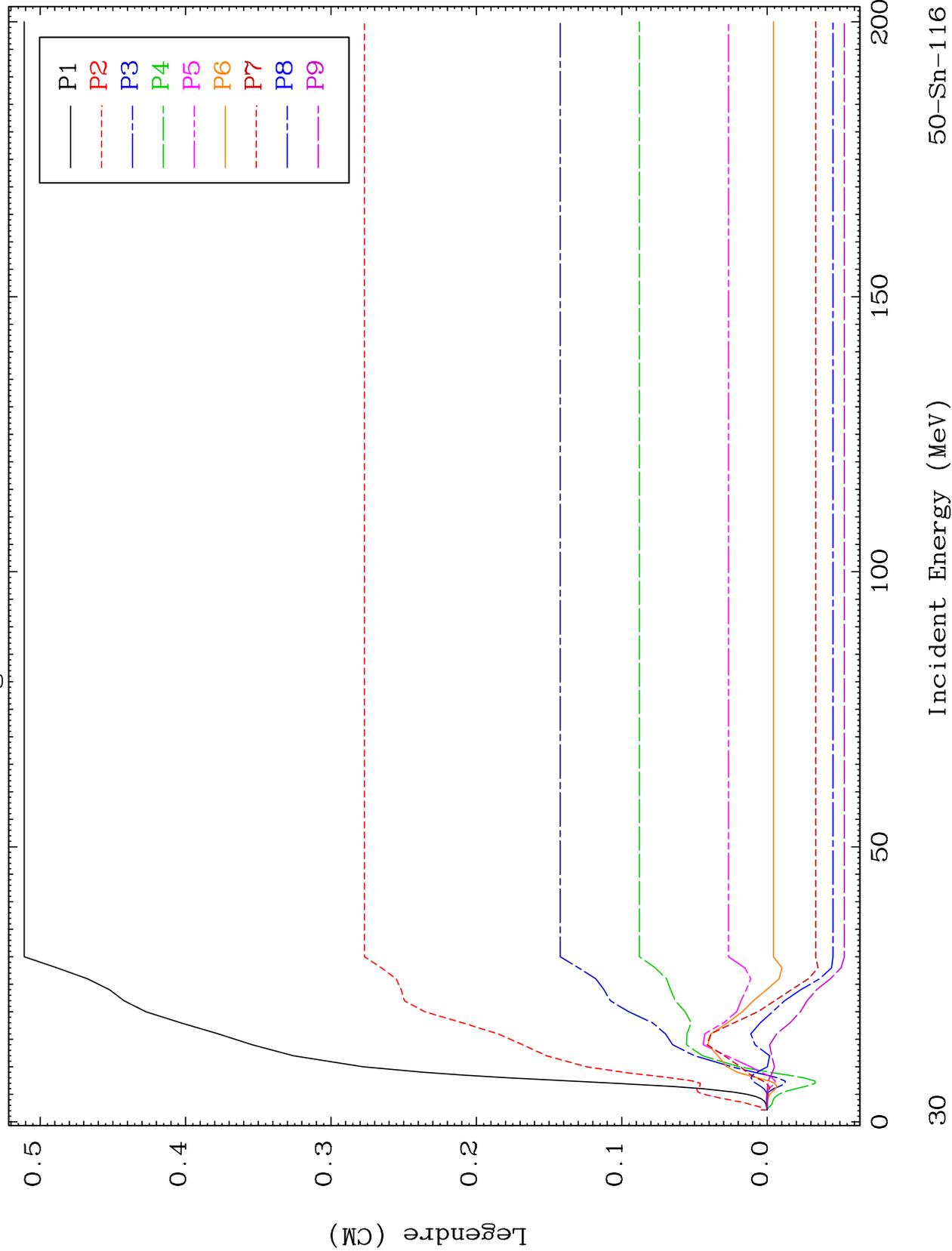
50-Sn-116



MAT 5037

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

50-Sn-116



50-Sn-116

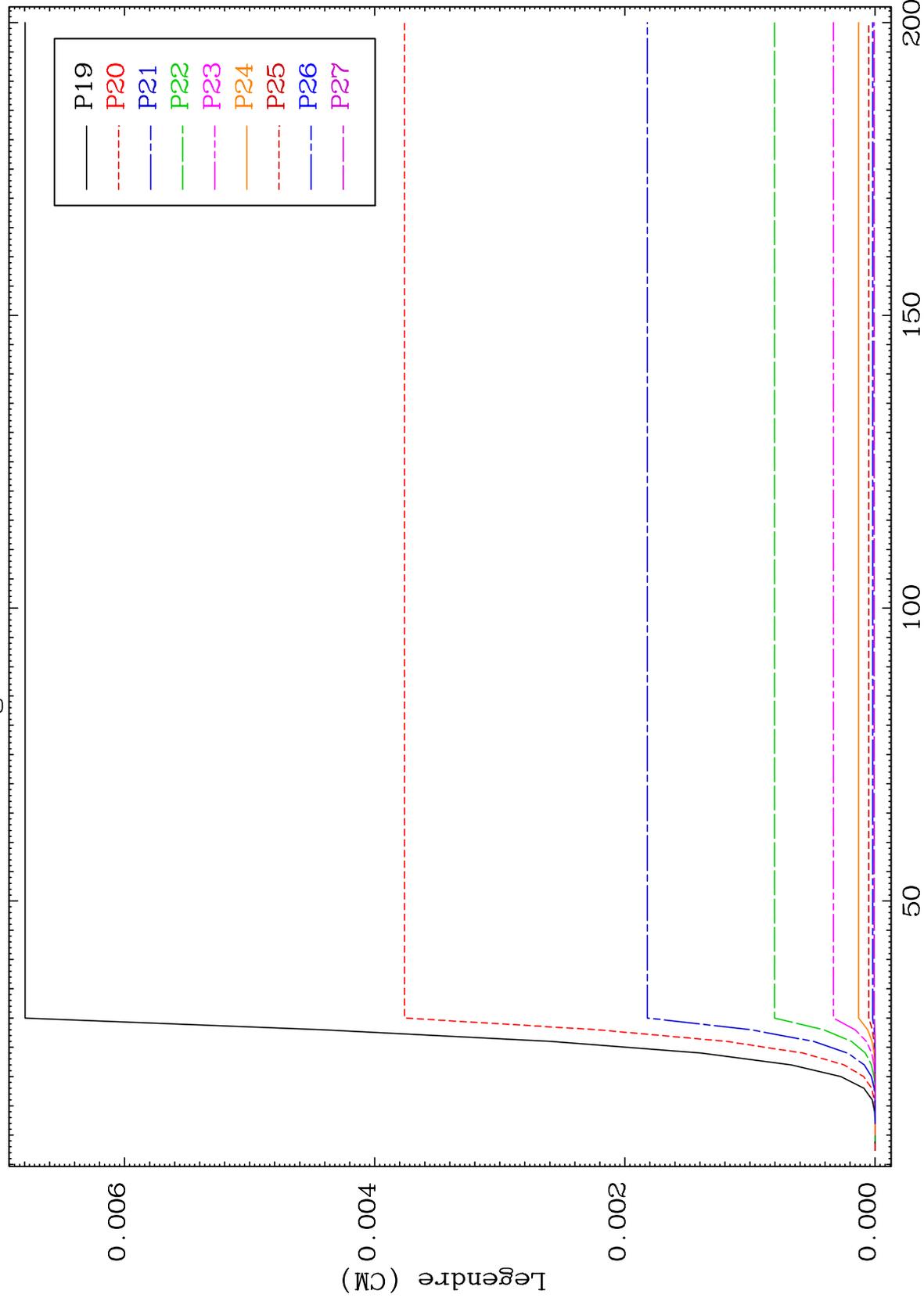
Incident Energy (MeV)

30

MAT 5037

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

50-Sn-116



32

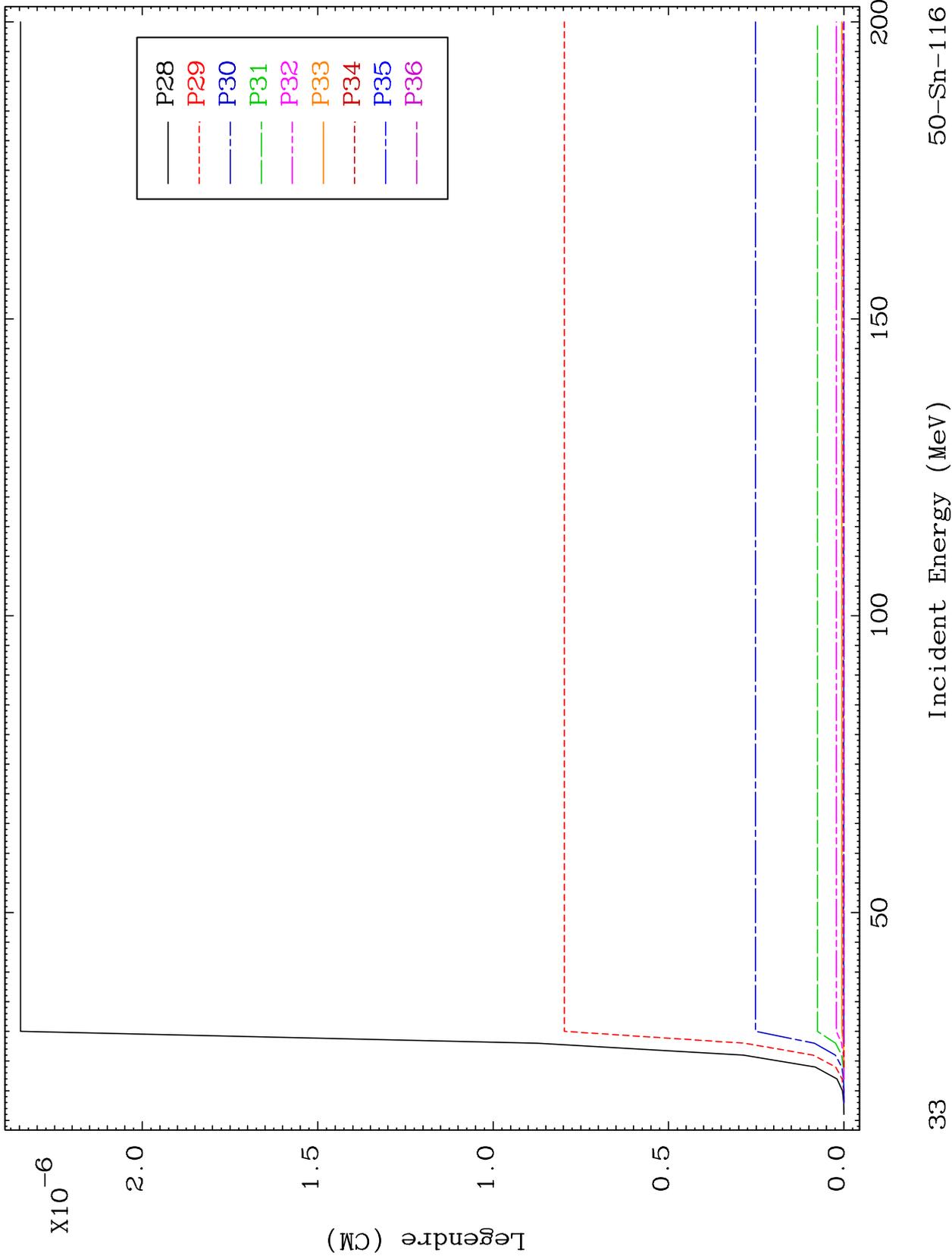
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116

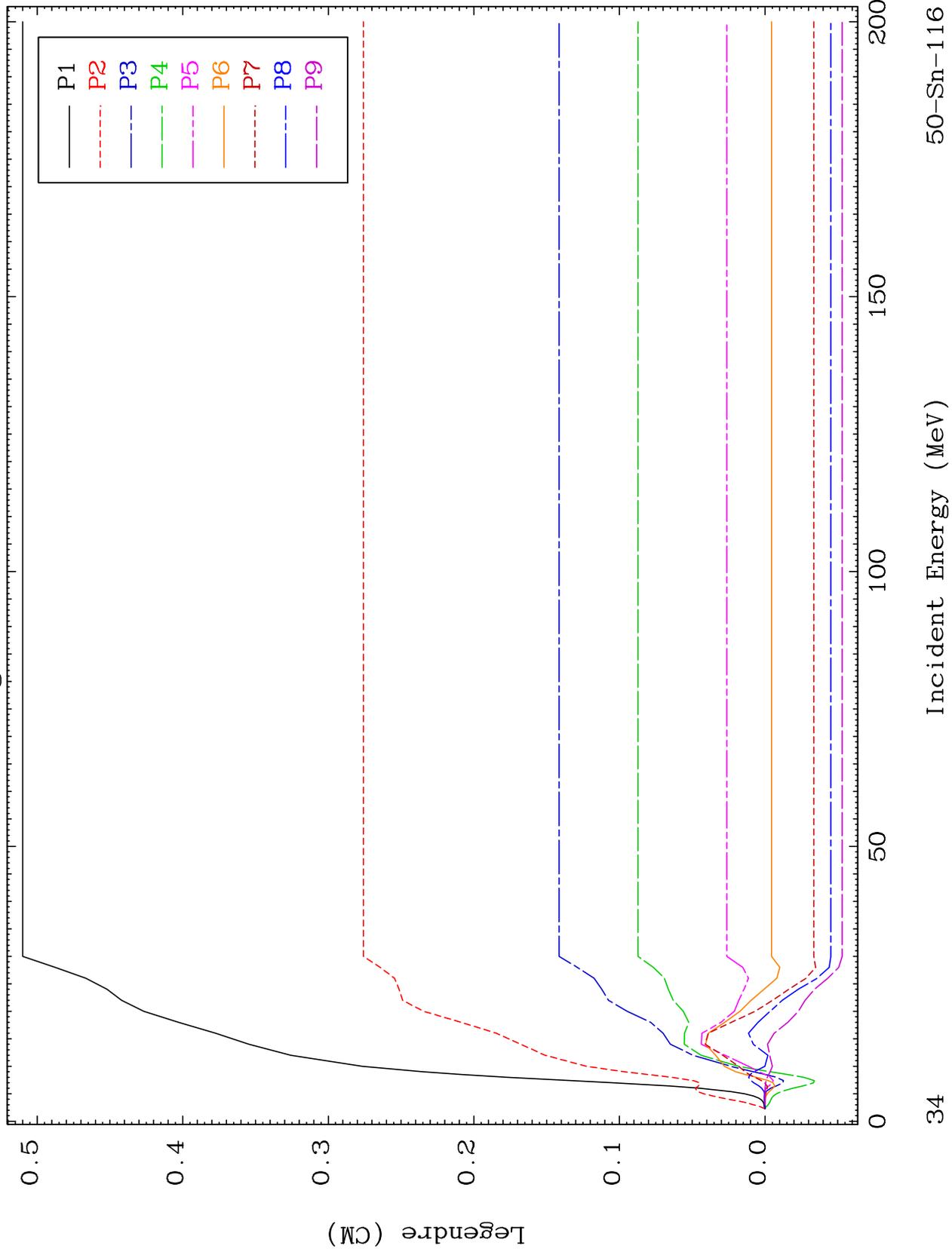


33

MAT 5037

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

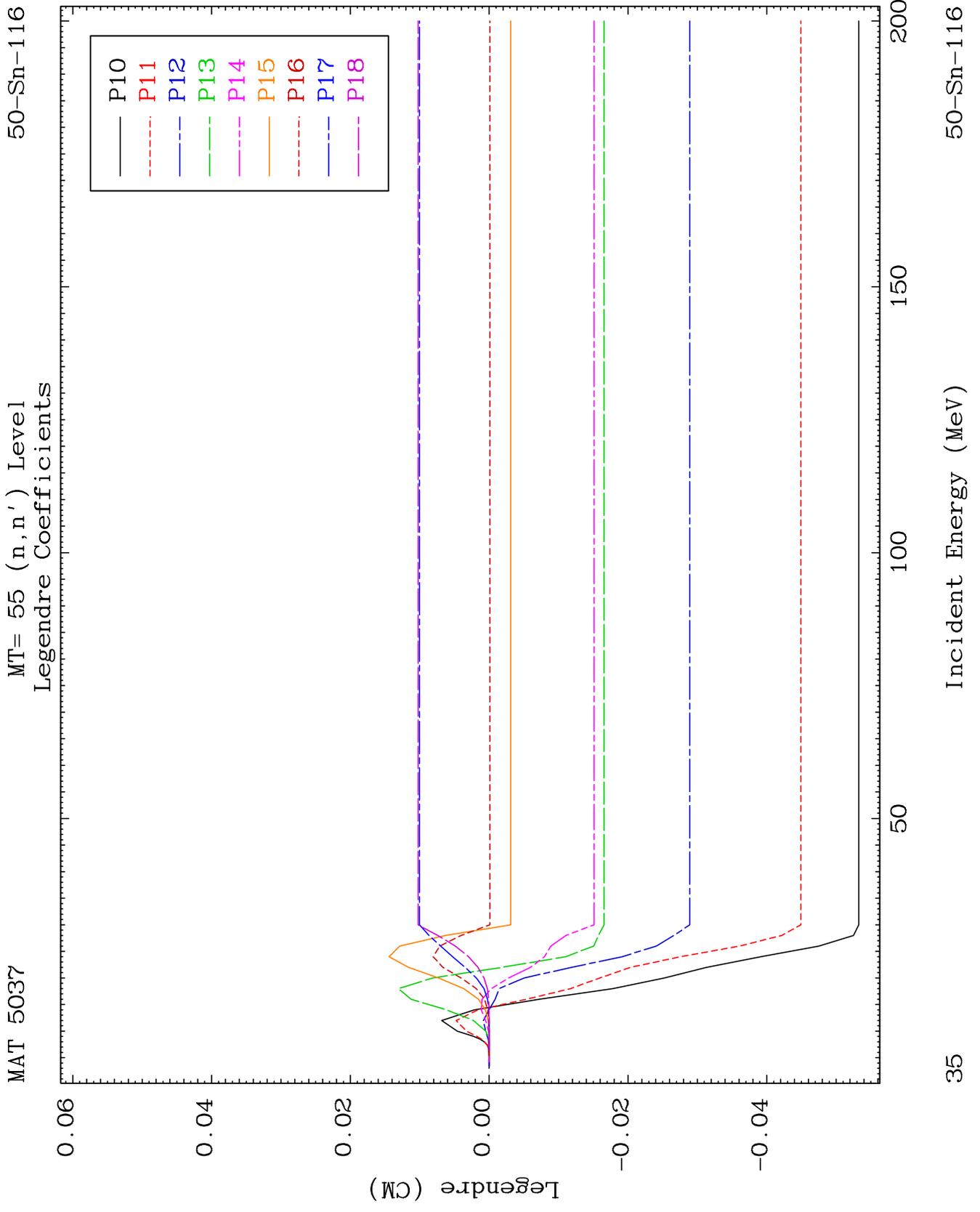
50-Sn-116



34

Incident Energy (MeV)

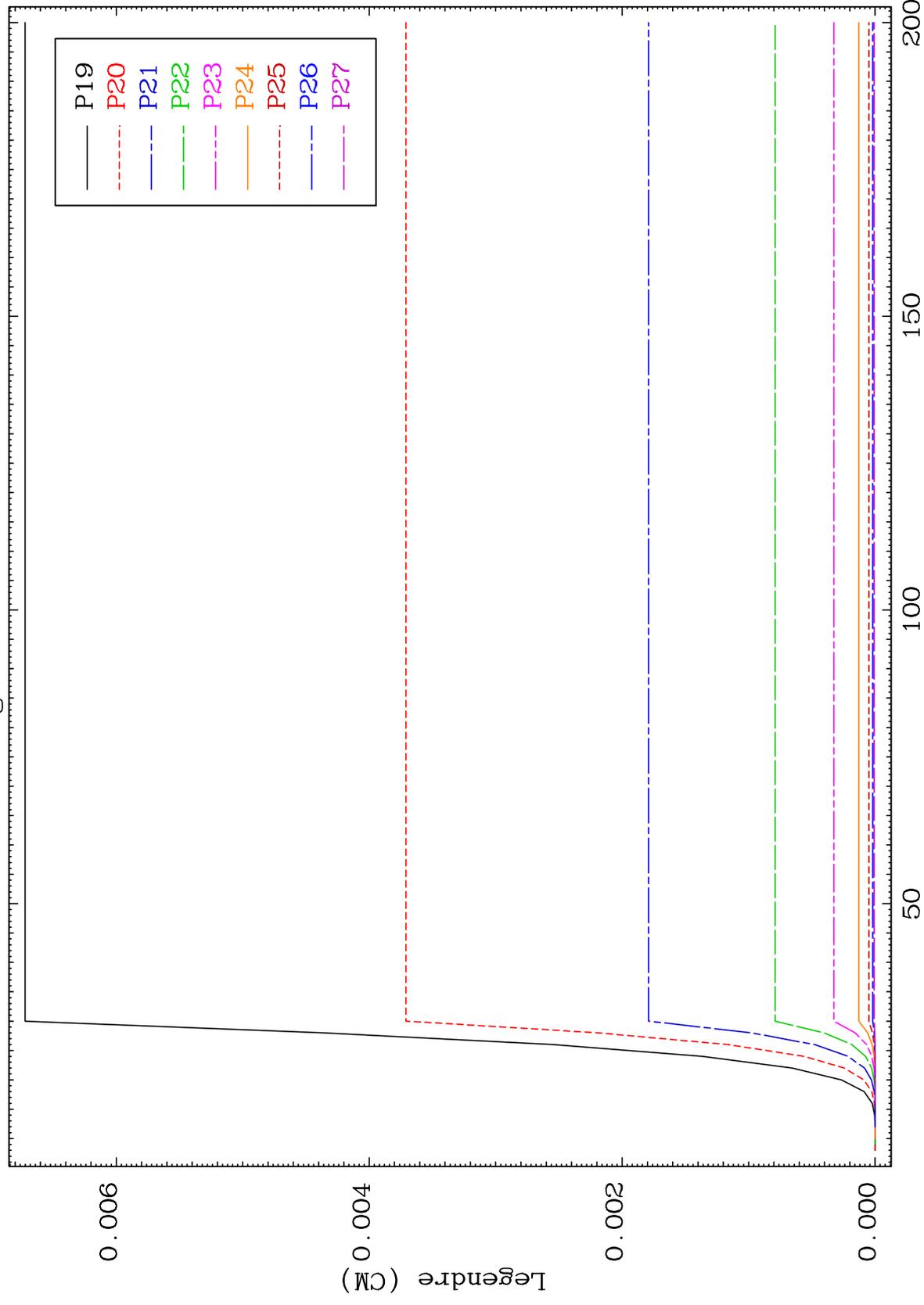
50-Sn-116



MAT 5037

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

50-Sn-116



36

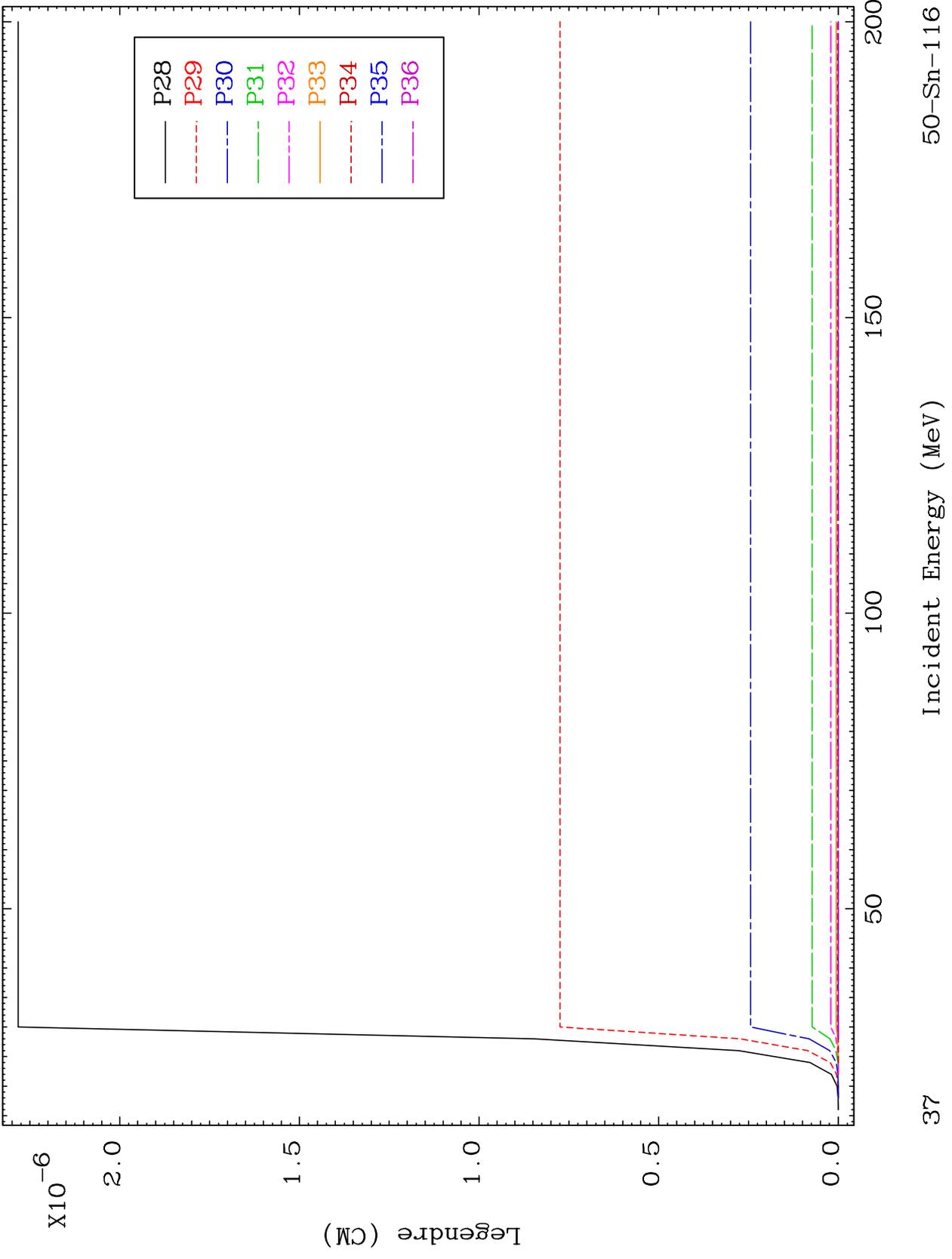
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116

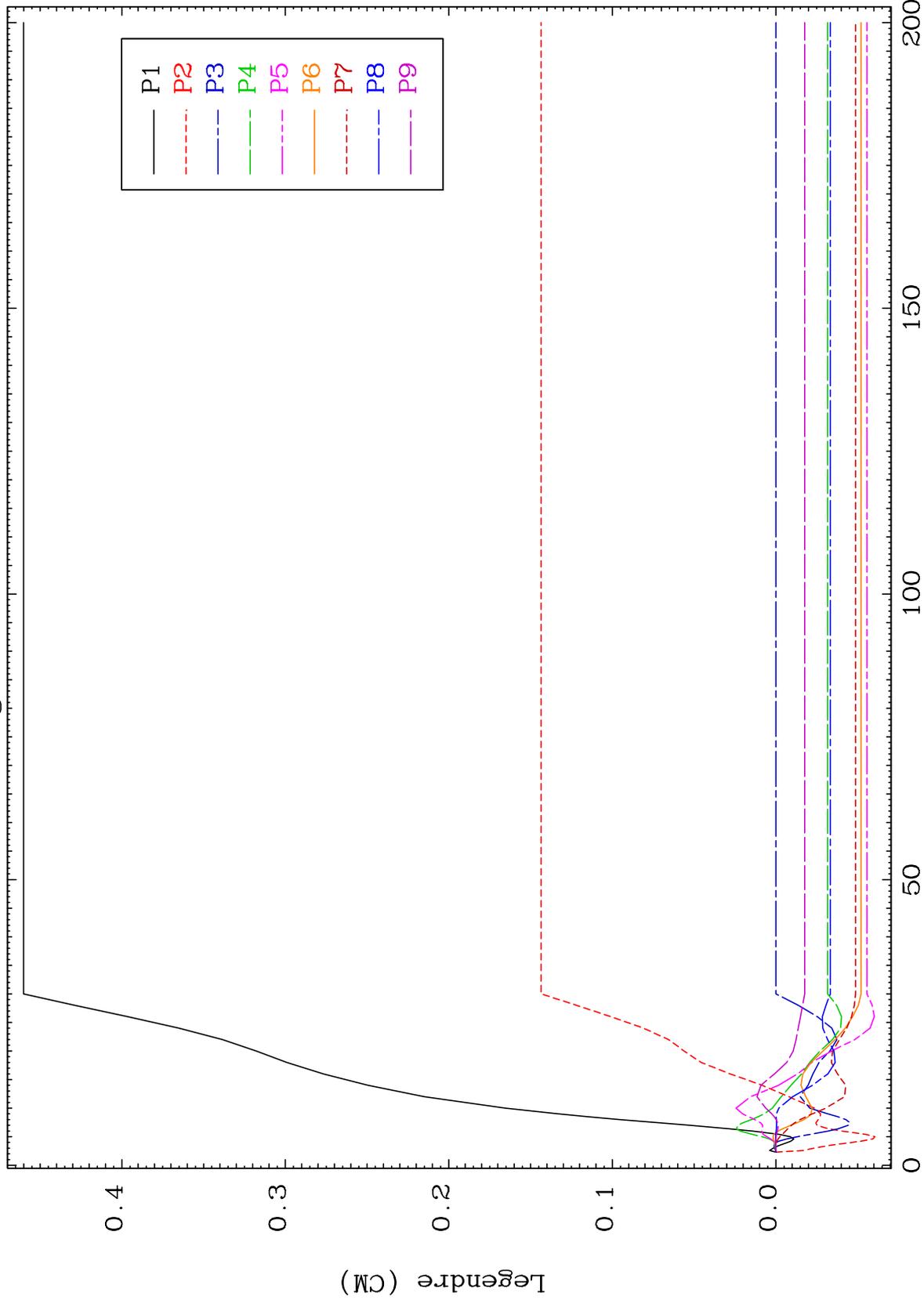


37

MAT 5037

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

50-Sn-116



38

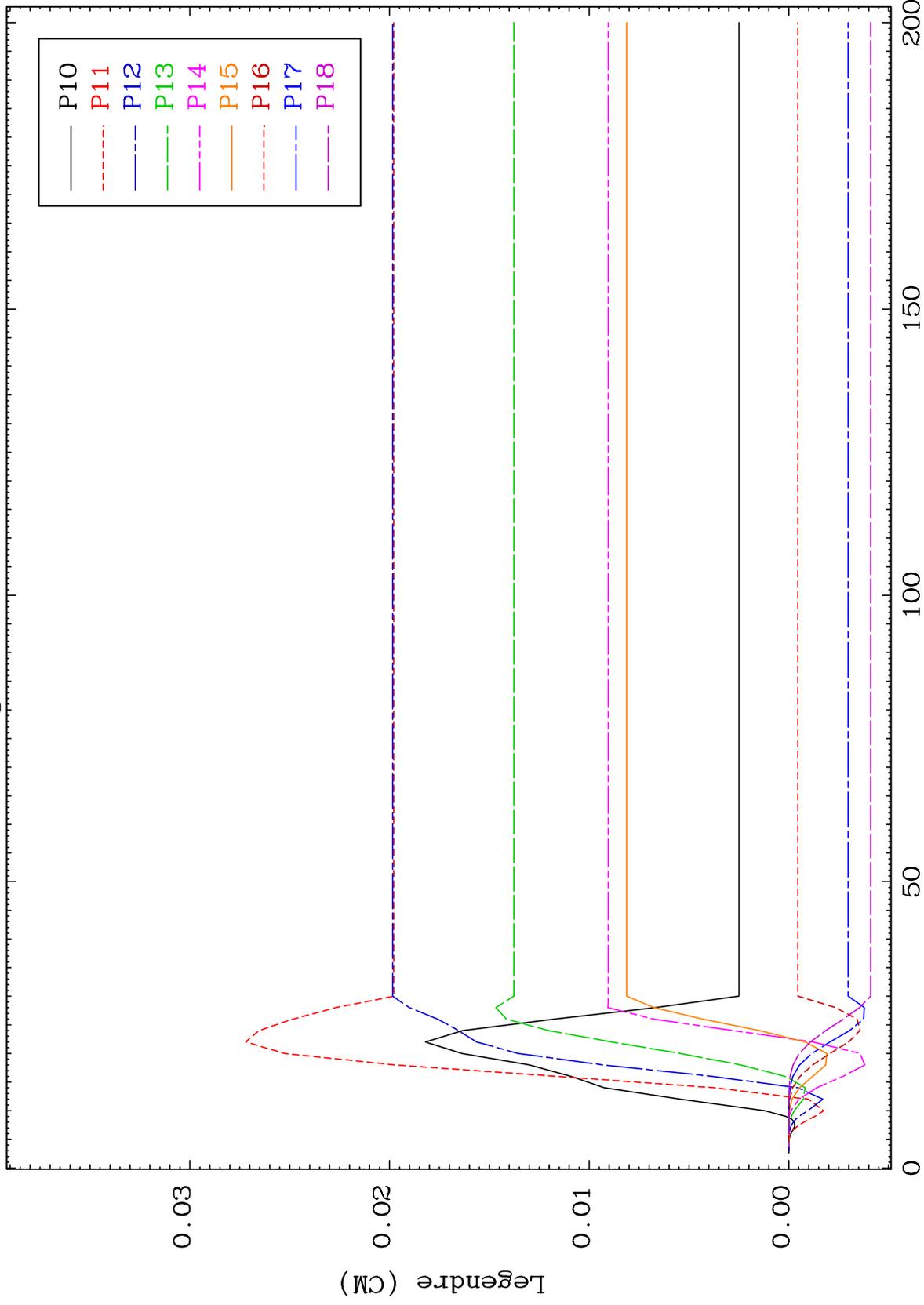
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

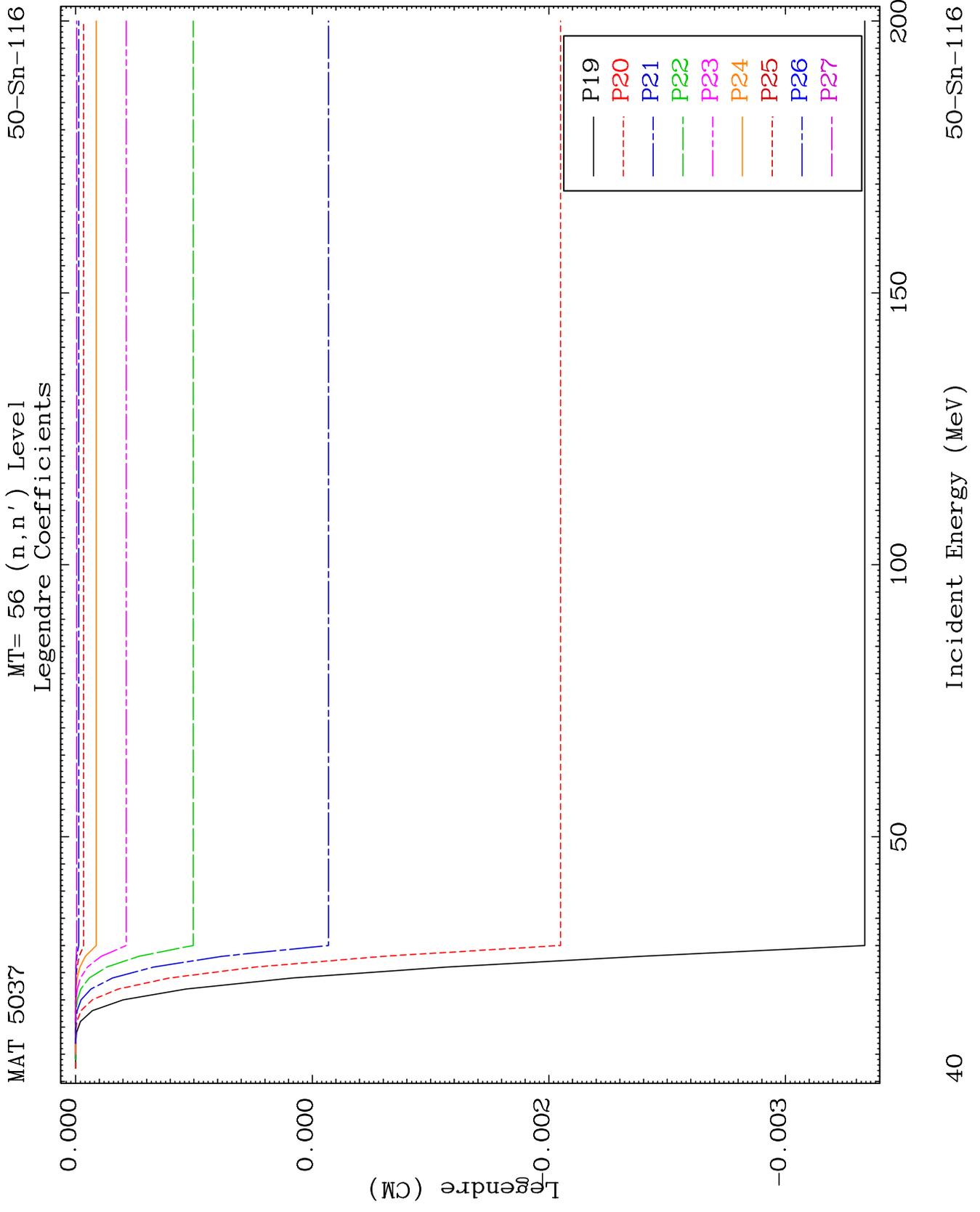
50-Sn-116

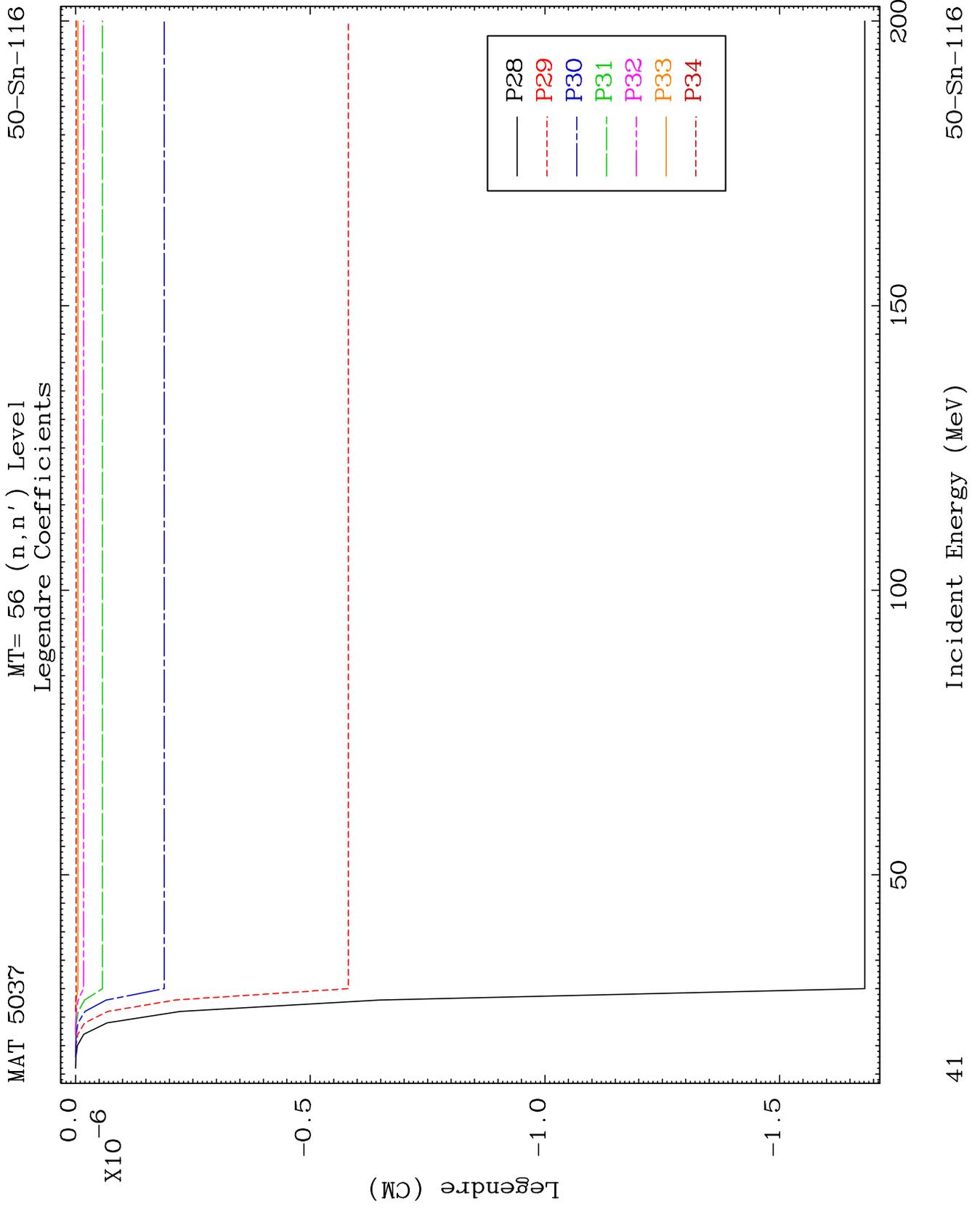


39

Incident Energy (MeV)

50-Sn-116

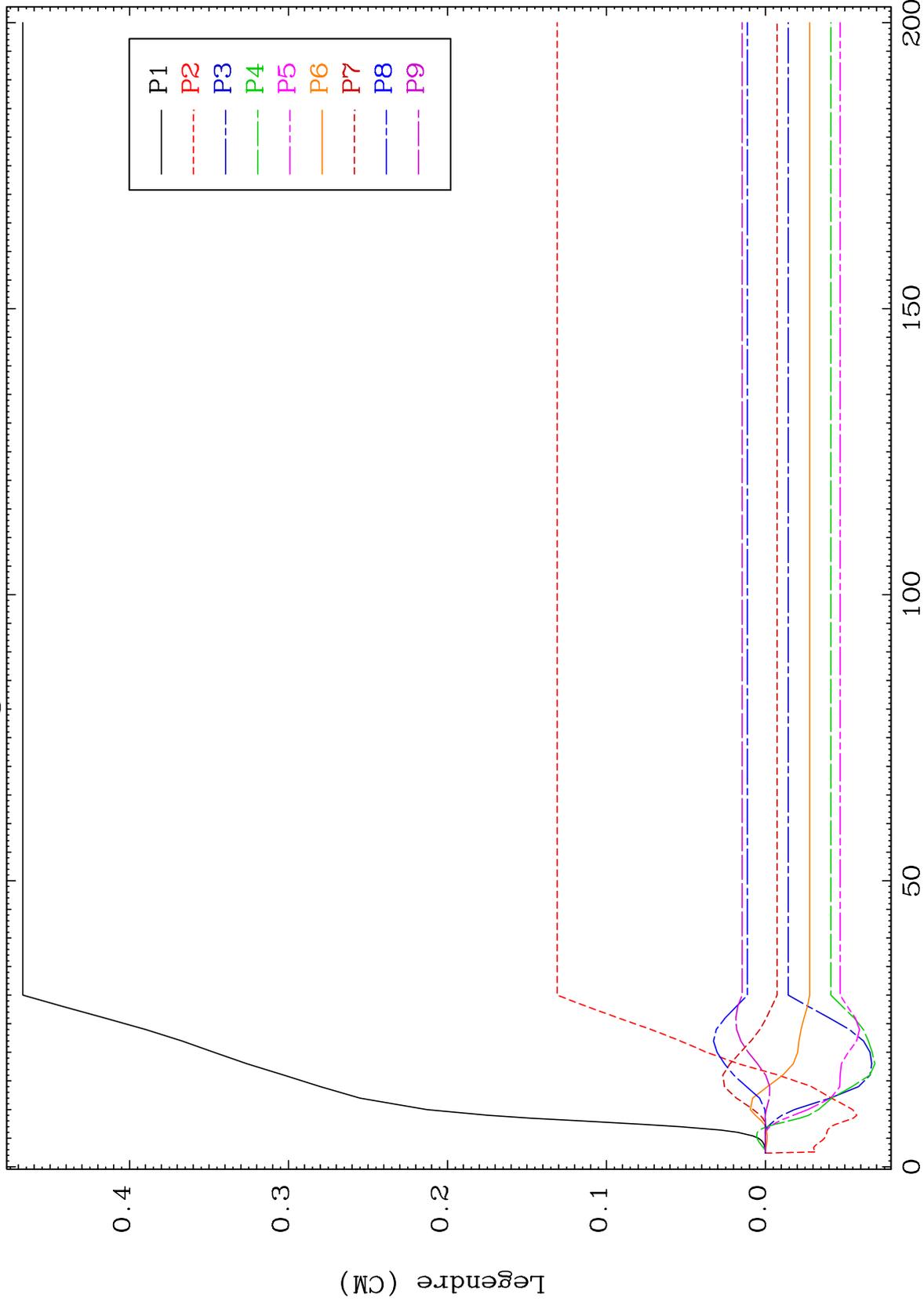




MAT 5037

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

50-Sn-116



42

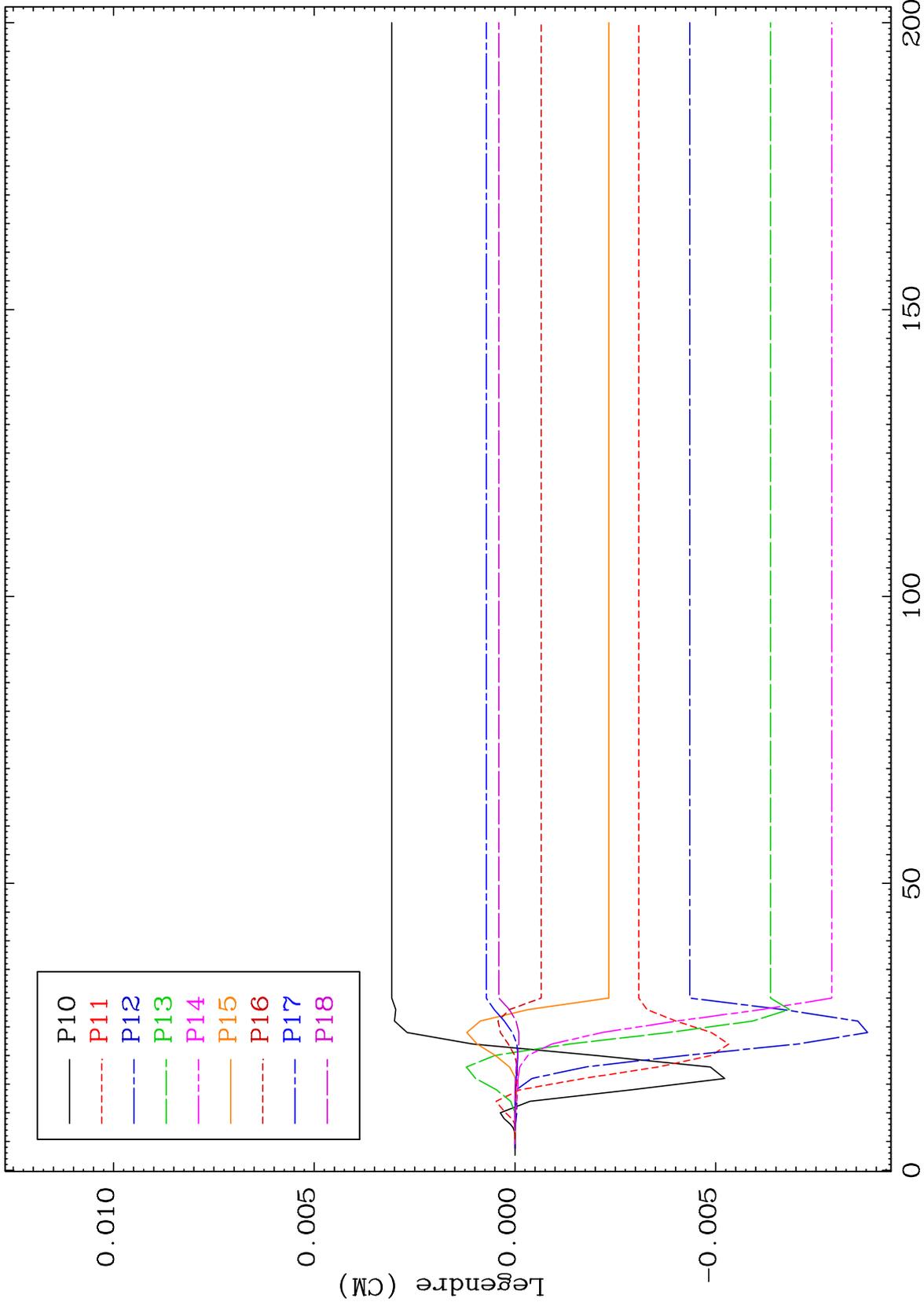
Incident Energy (MeV)

50-Sn-116

MAT 5037

50-Sn-116

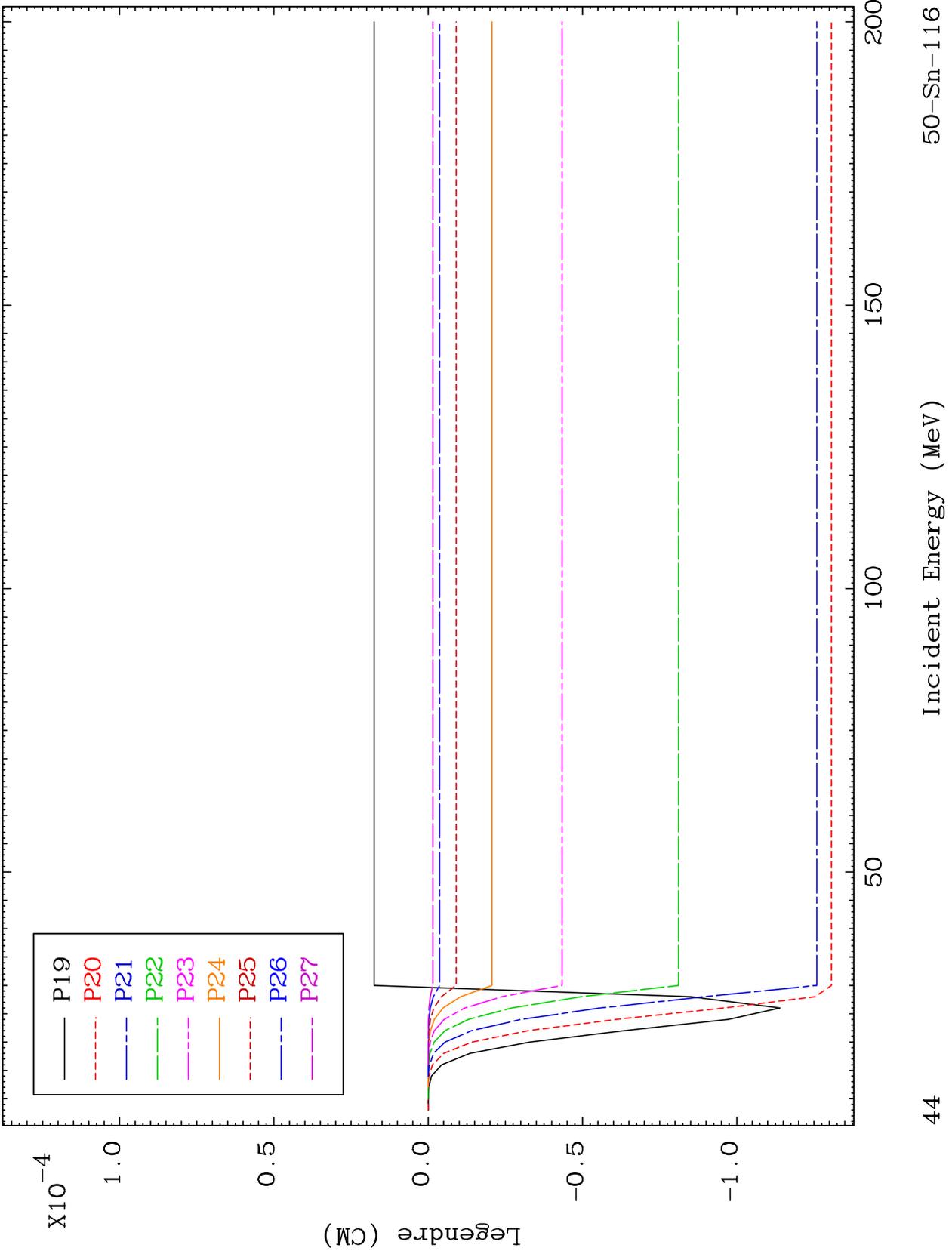
MT= 57 (n,n') Level
Legendre Coefficients



MAT 5037

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

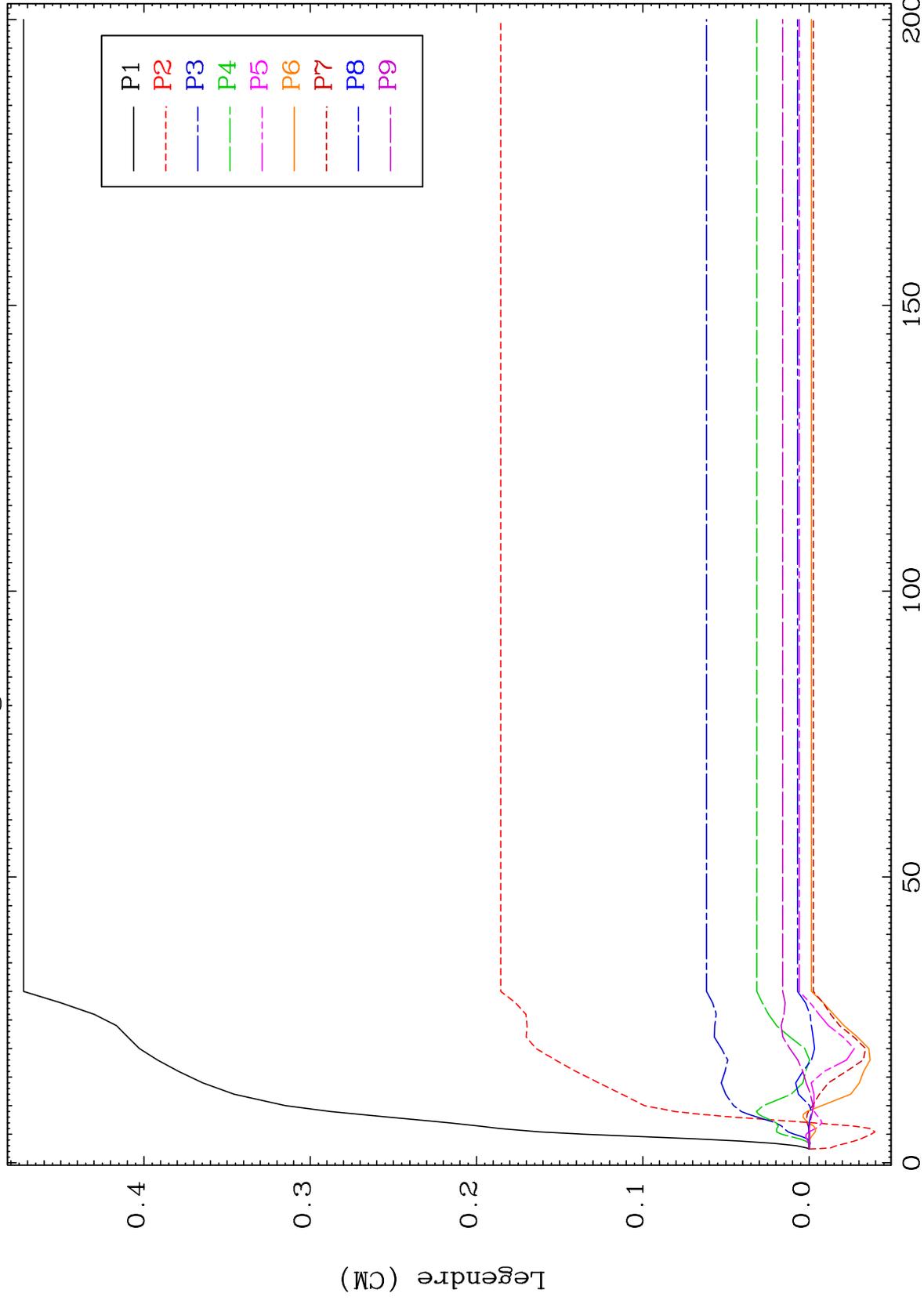
50-Sn-116



MAT 5037

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

50-Sn-116



50-Sn-116

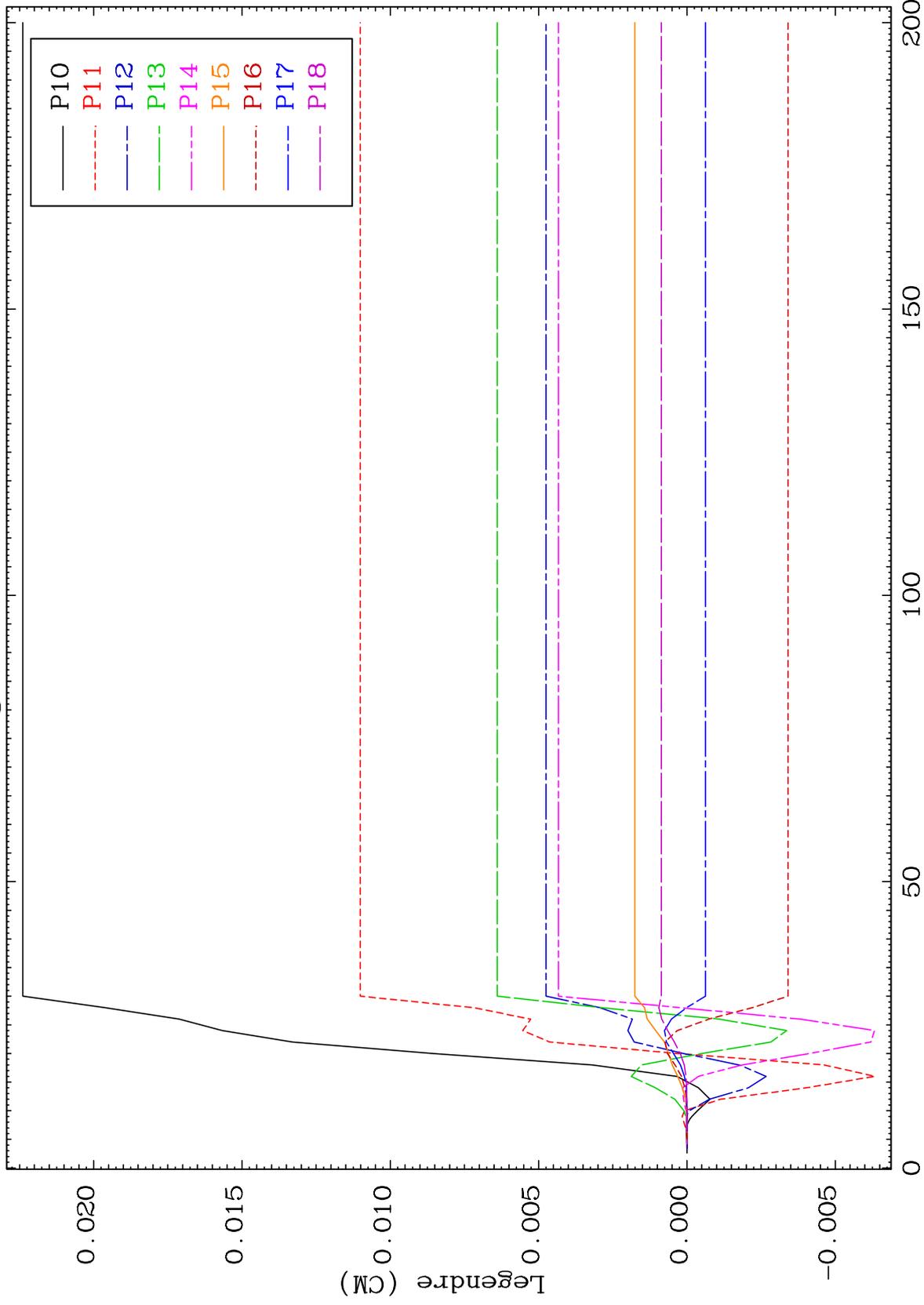
Incident Energy (MeV)

46

MAT 5037

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

50-Sn-116



47

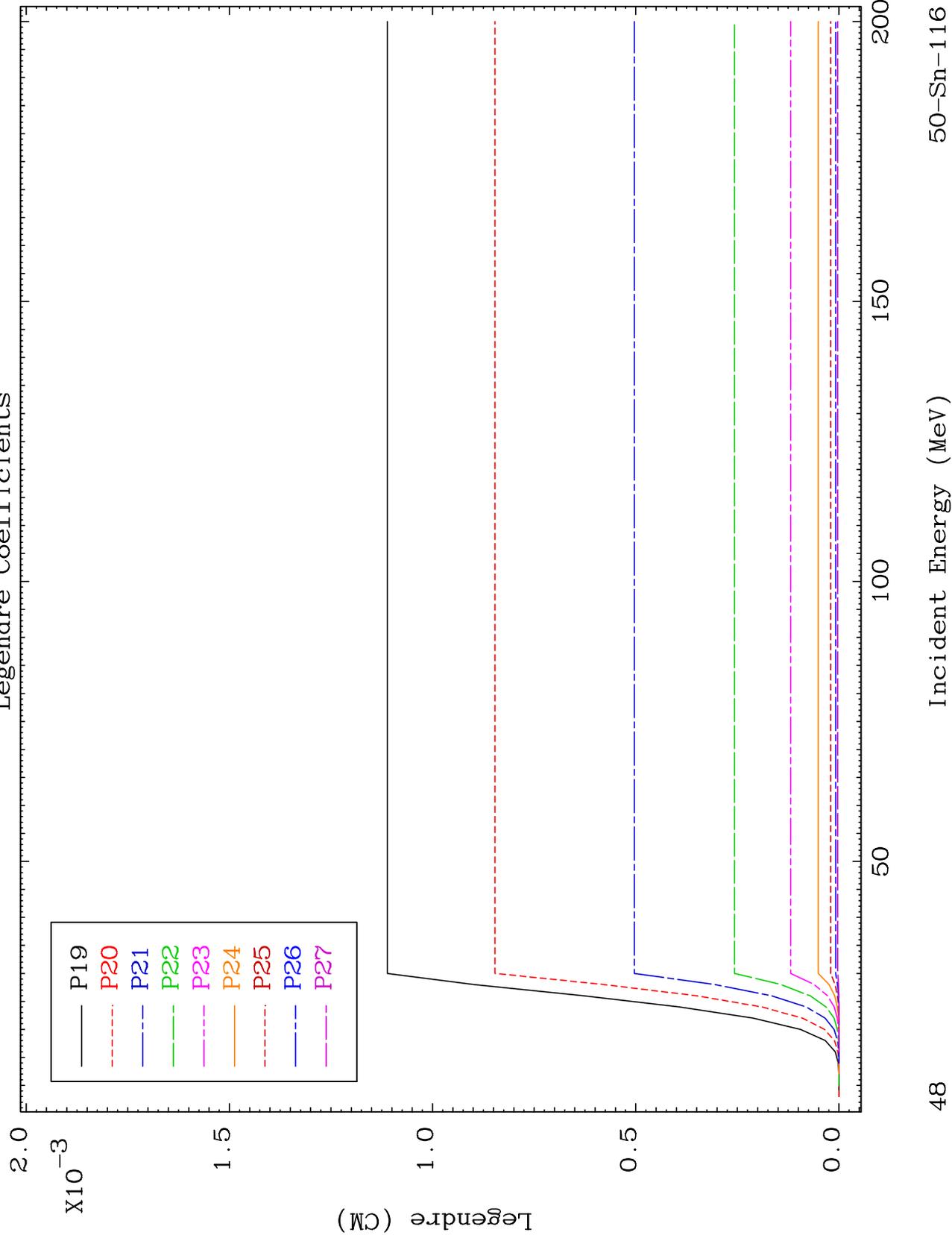
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



48

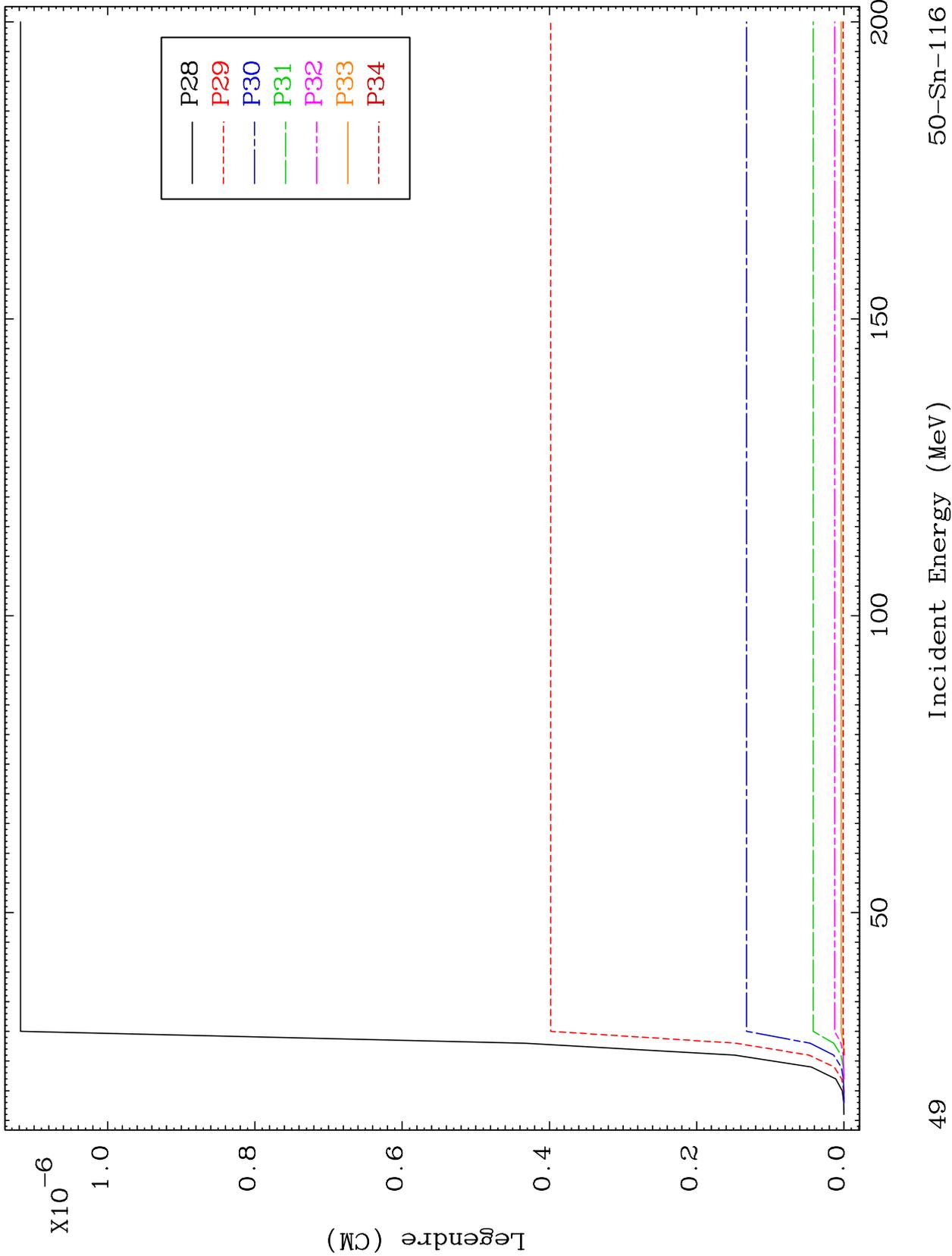
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



49

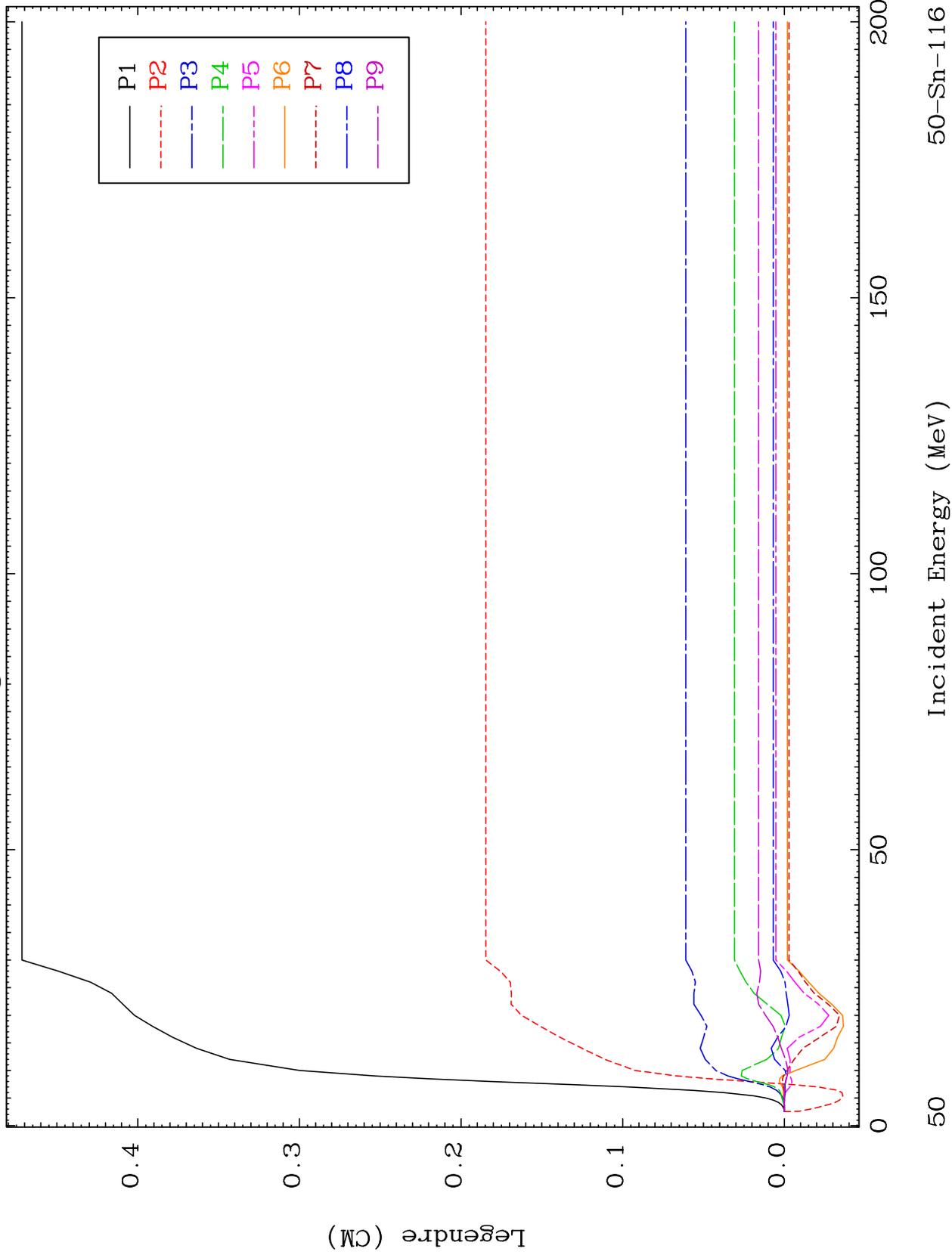
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



50-Sn-116

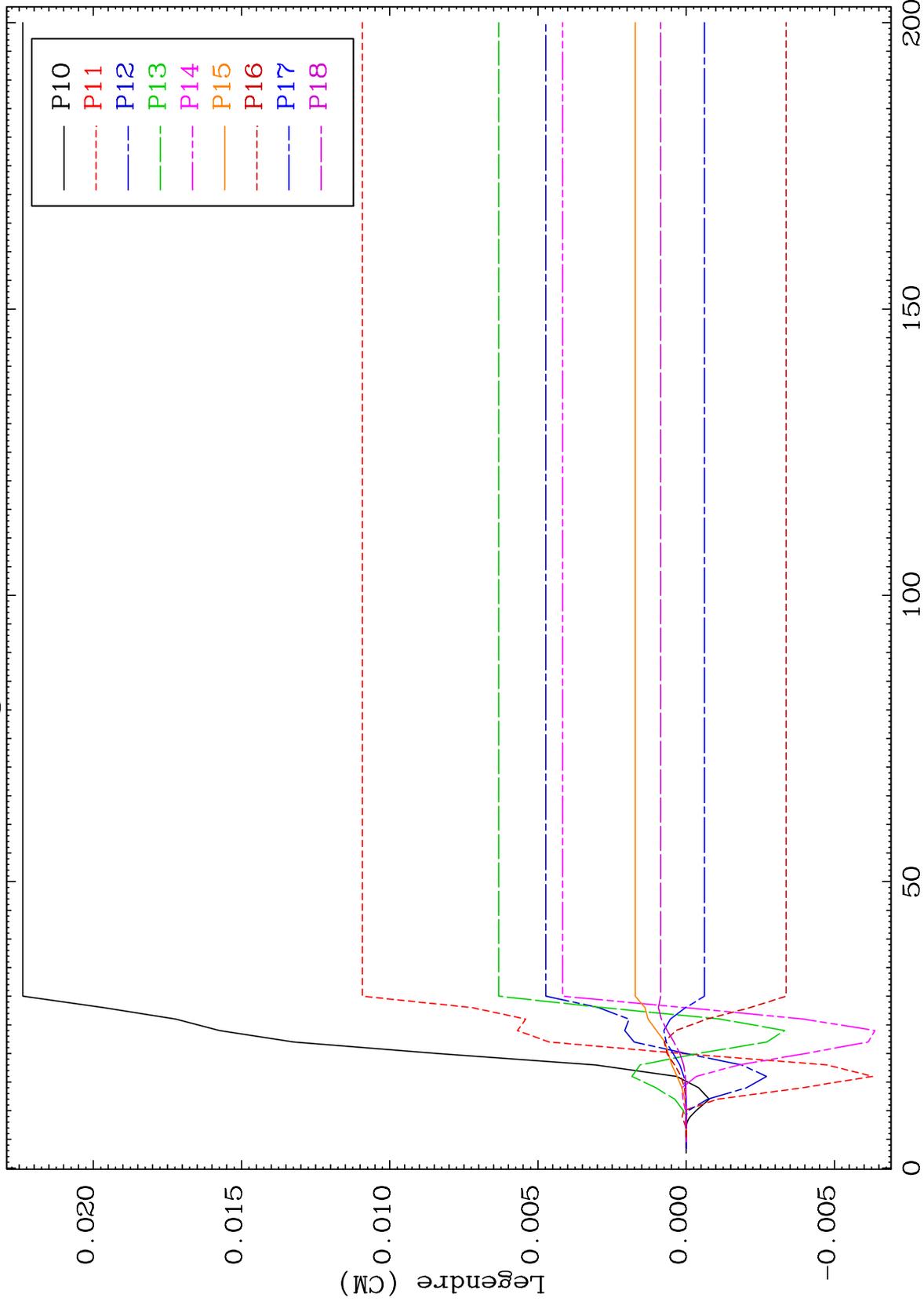
Incident Energy (MeV)

50

MAT 5037

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

50-Sn-116



51

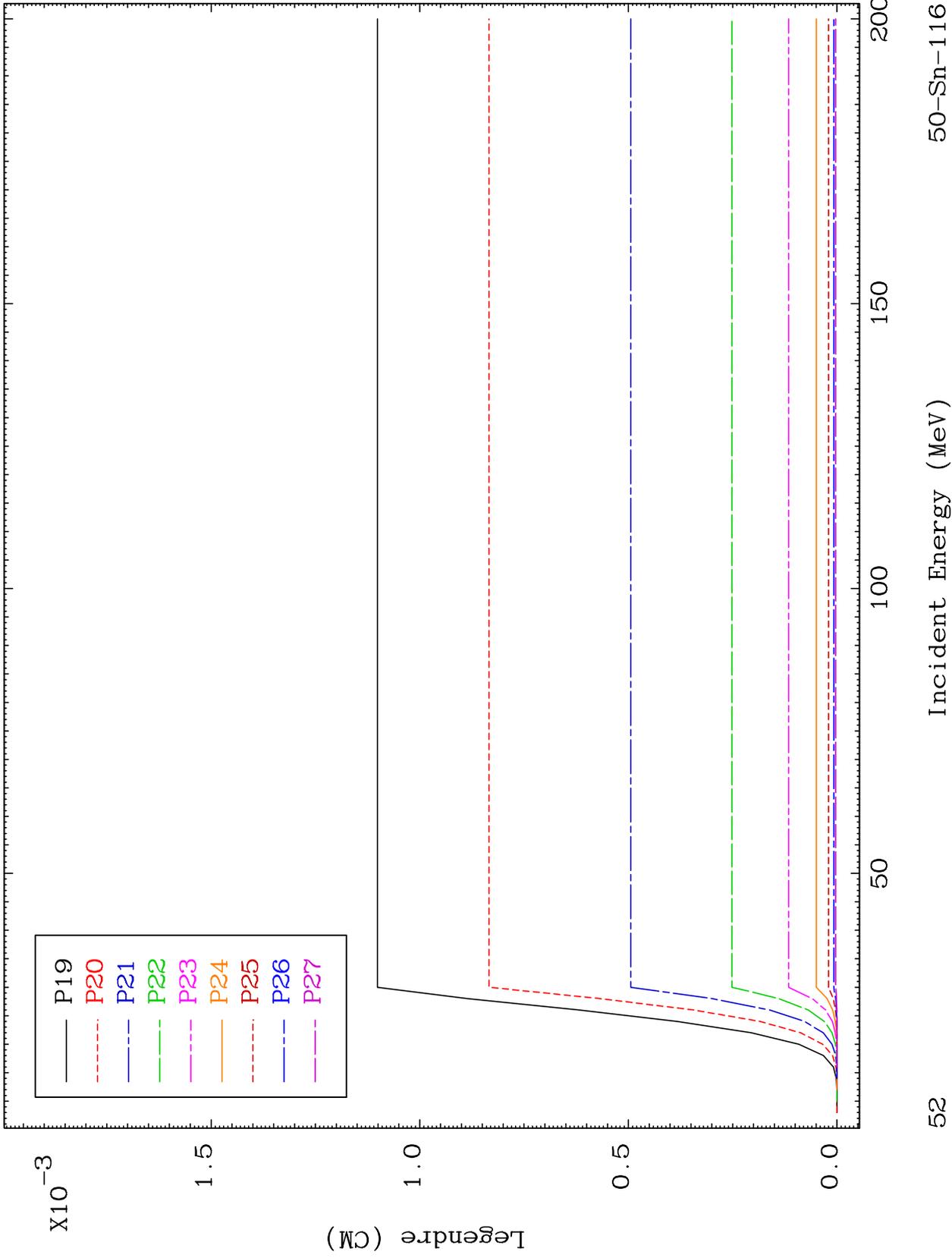
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



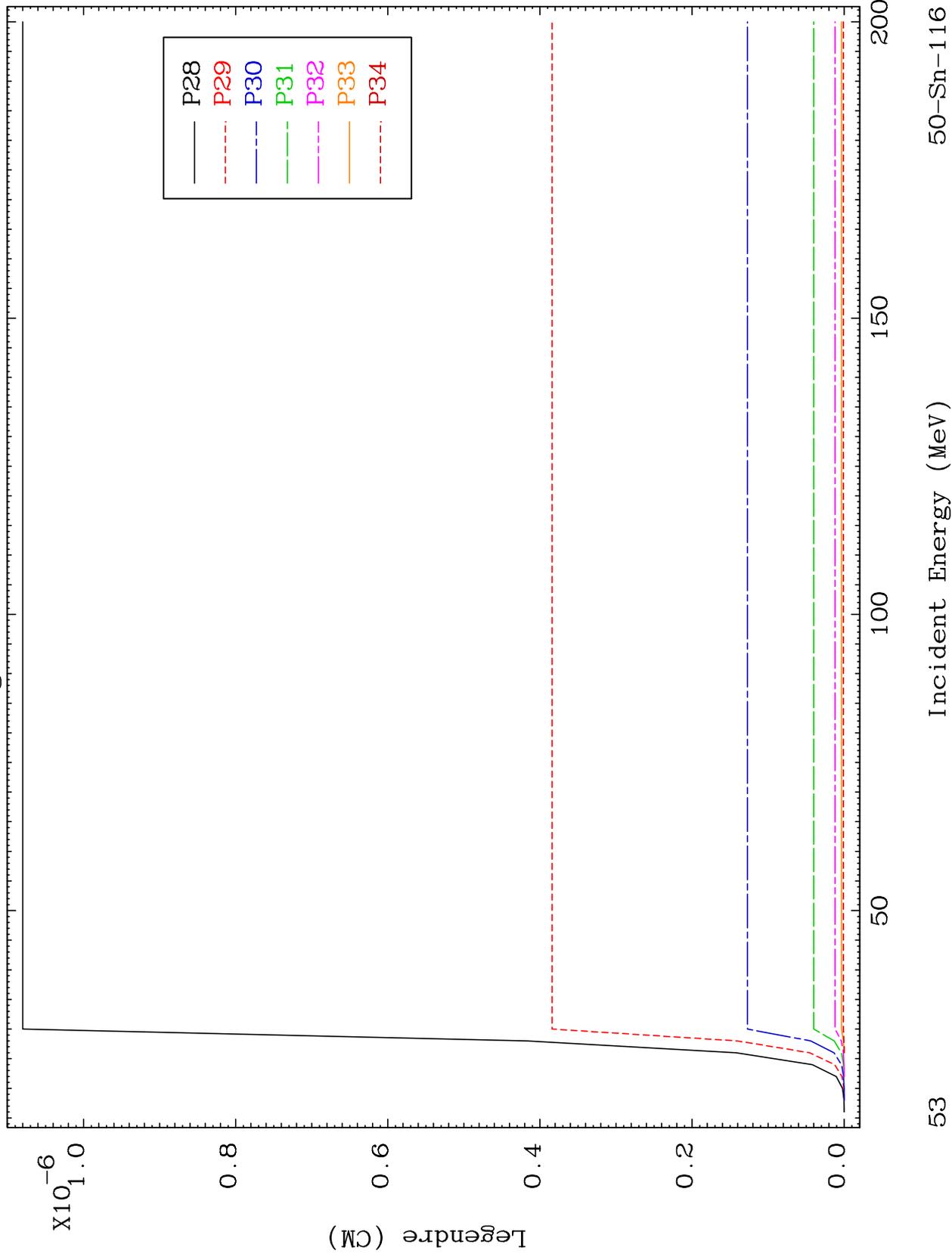
52

50-Sn-116

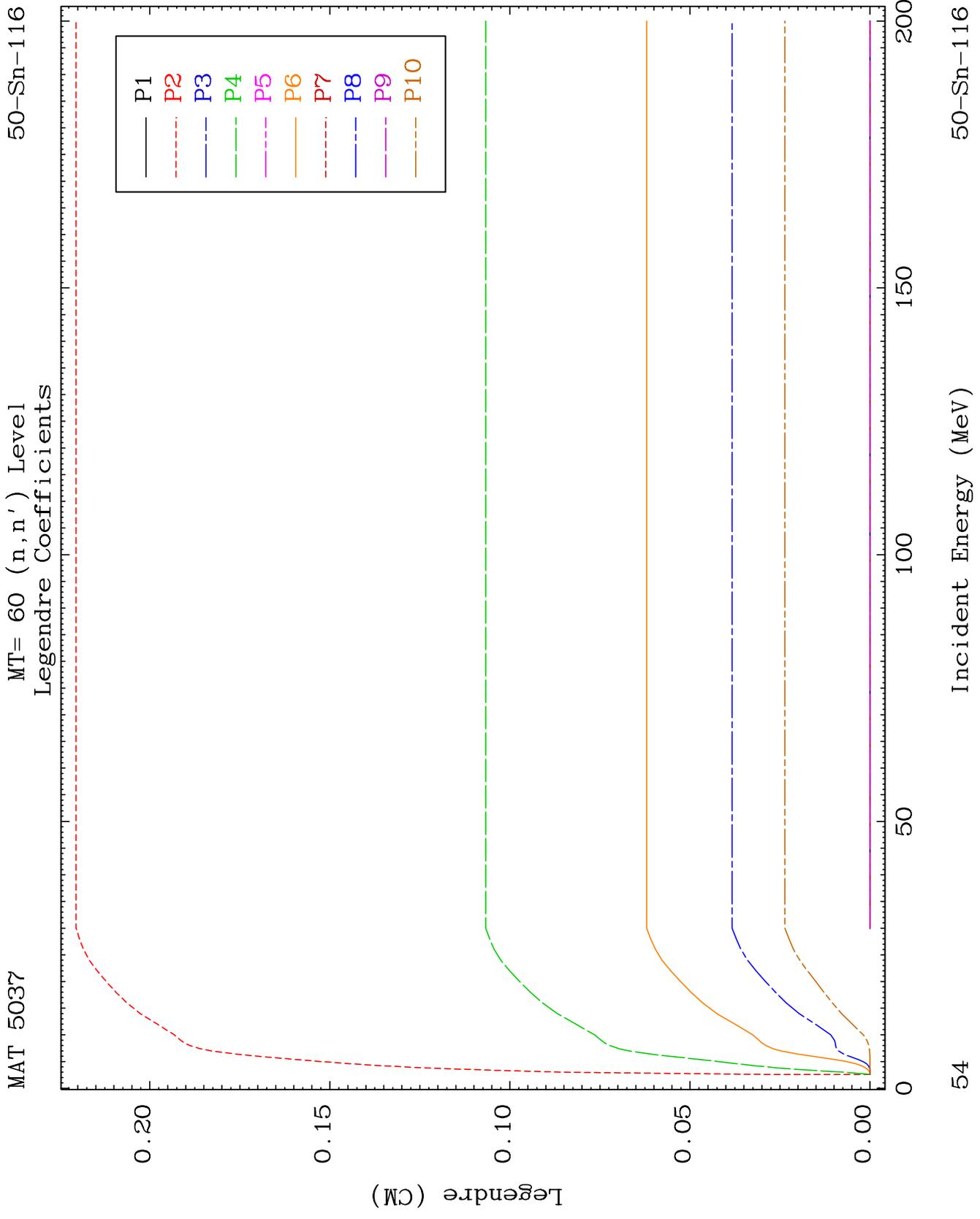
MAT 5037

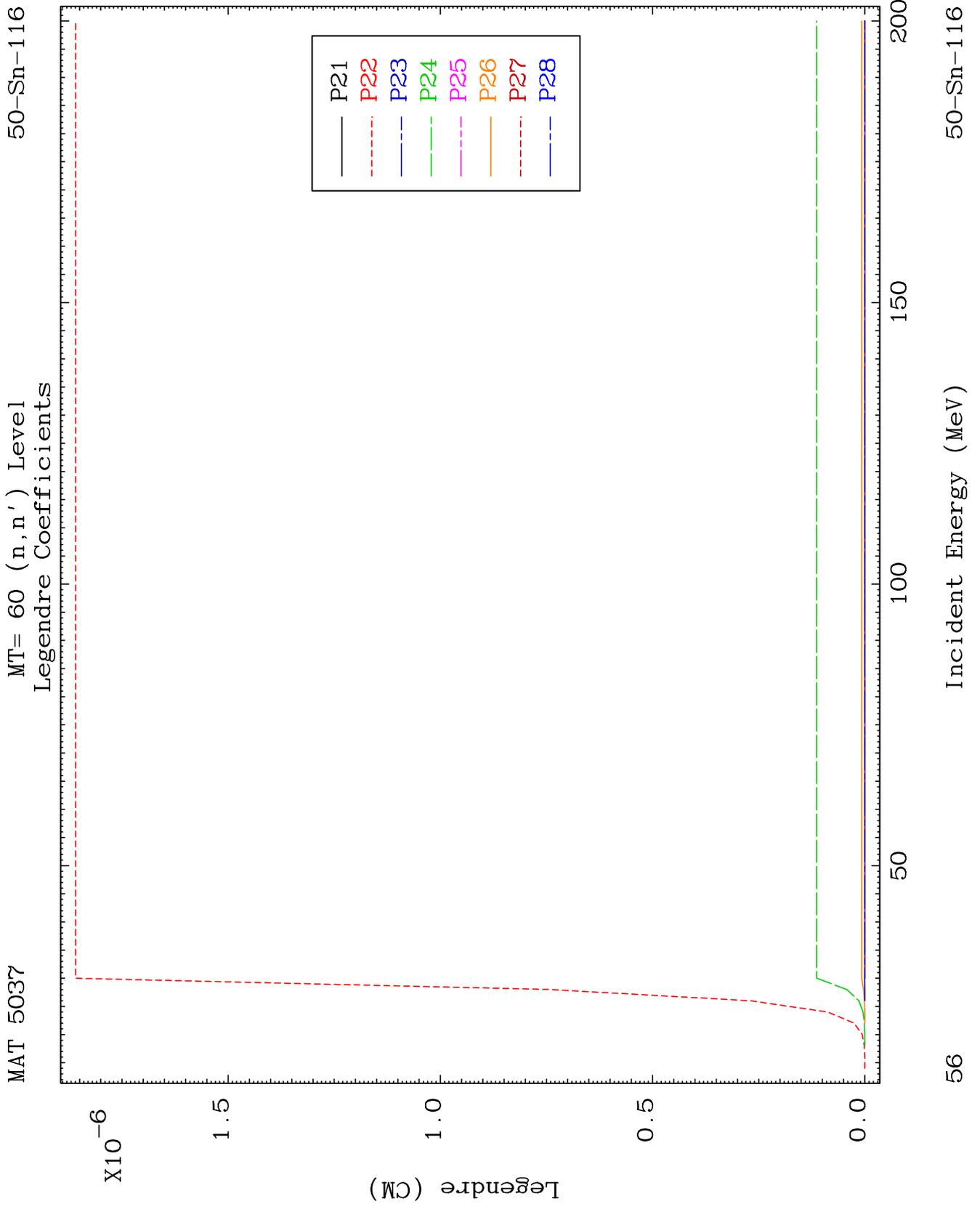
MT= 59 (n,n') Level
Legendre Coefficients

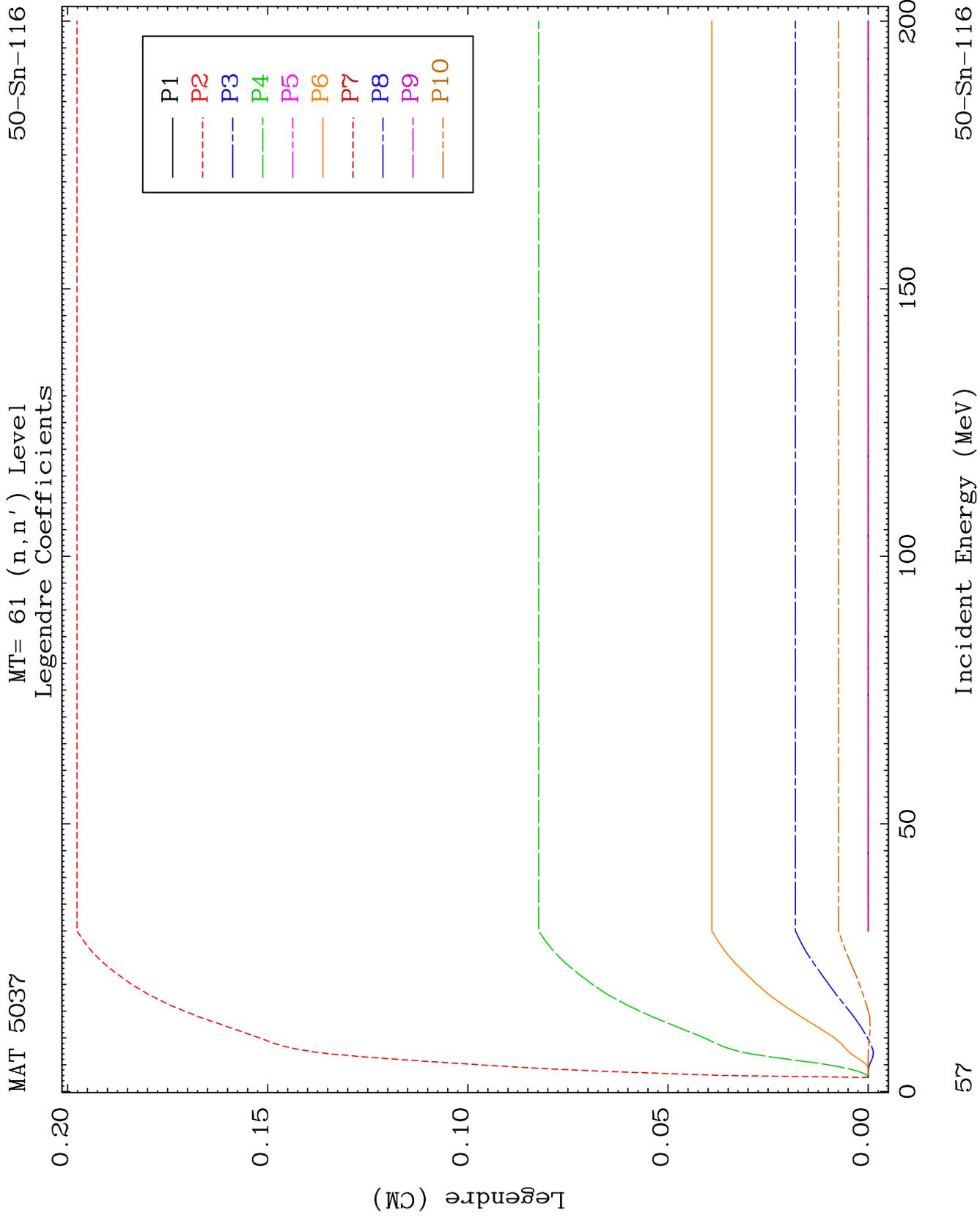
50-Sn-116



53



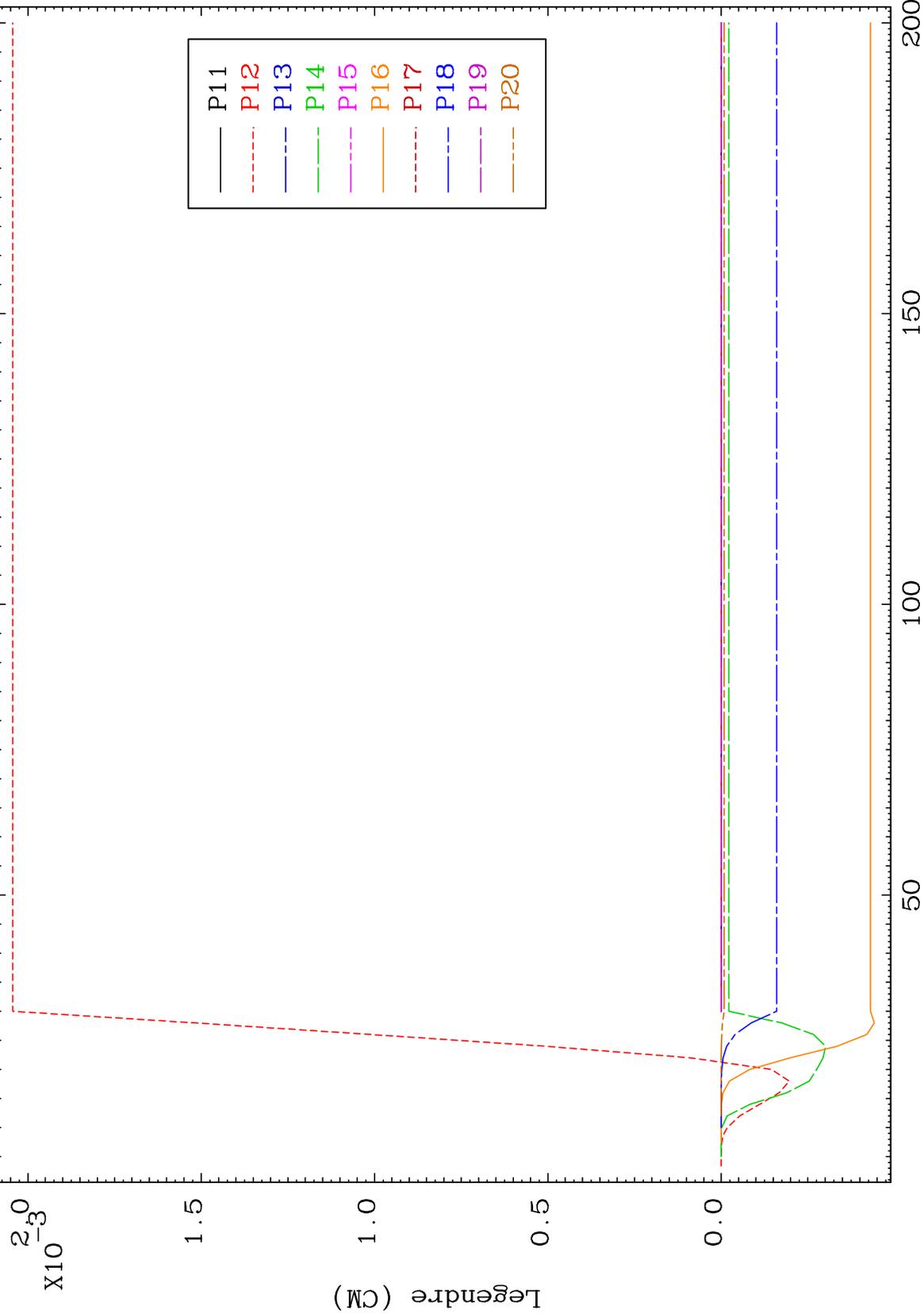




MAT 5037

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

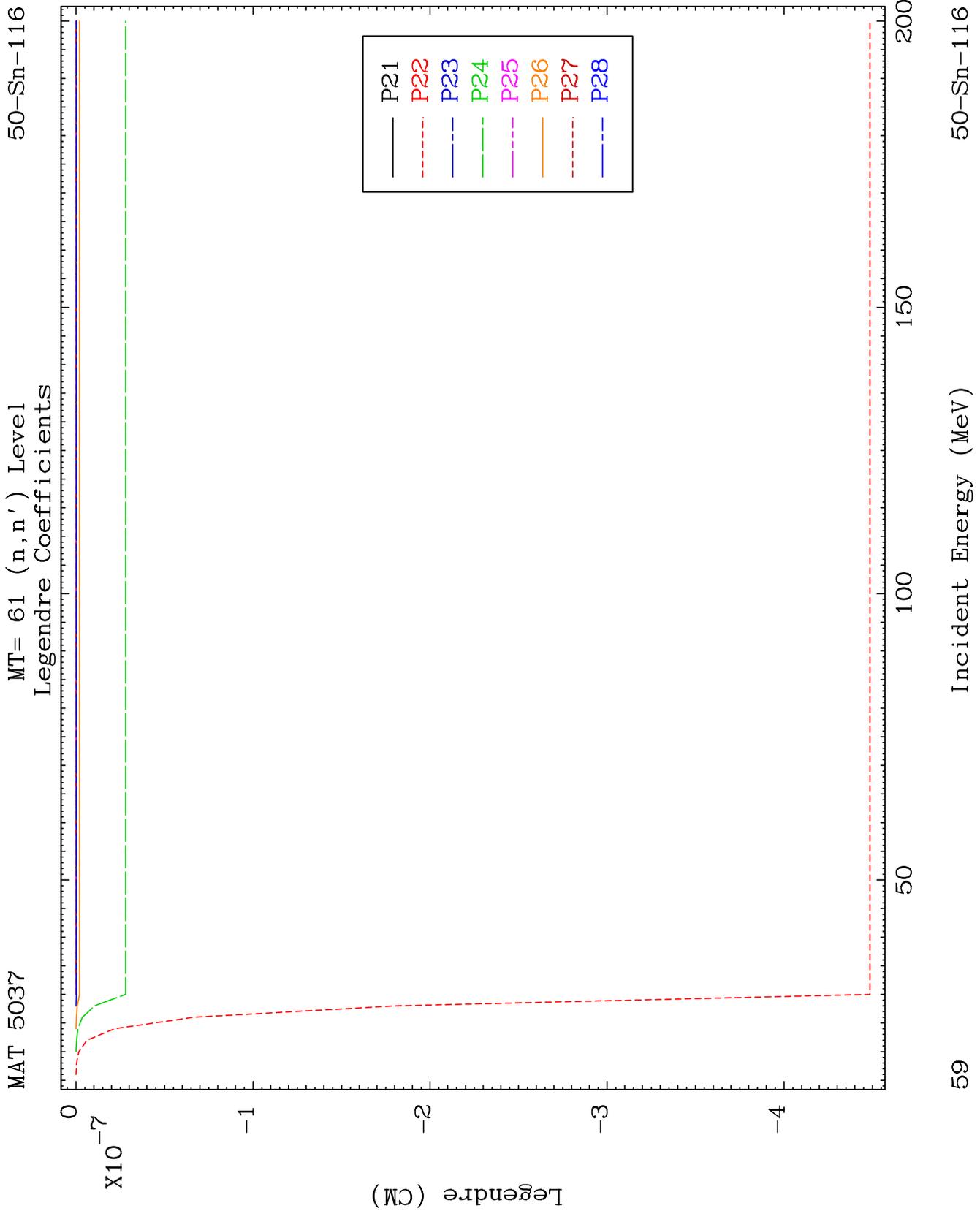
50-Sn-116



58

Incident Energy (MeV)

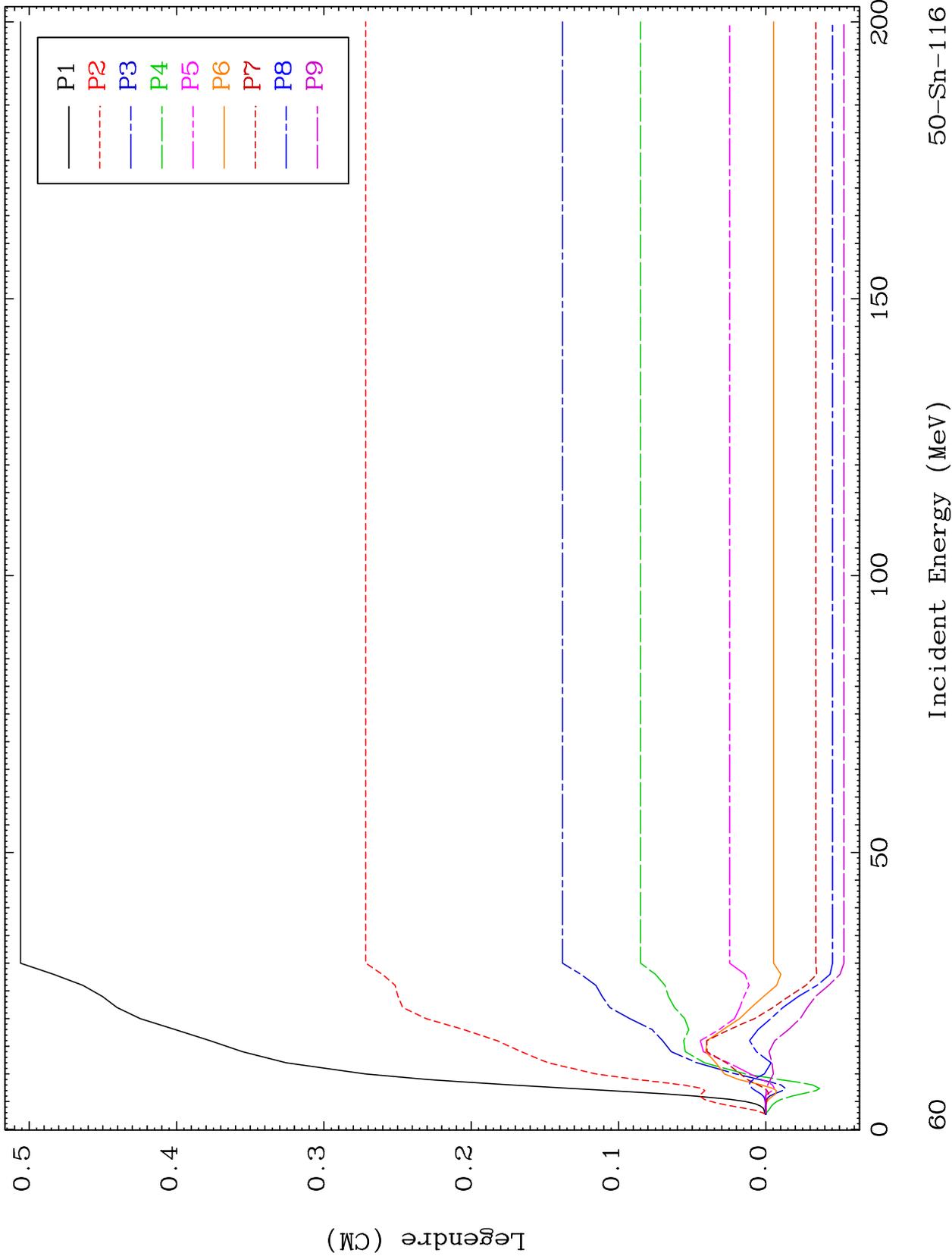
50-Sn-116



MAT 5037

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

50-Sn-116



50-Sn-116

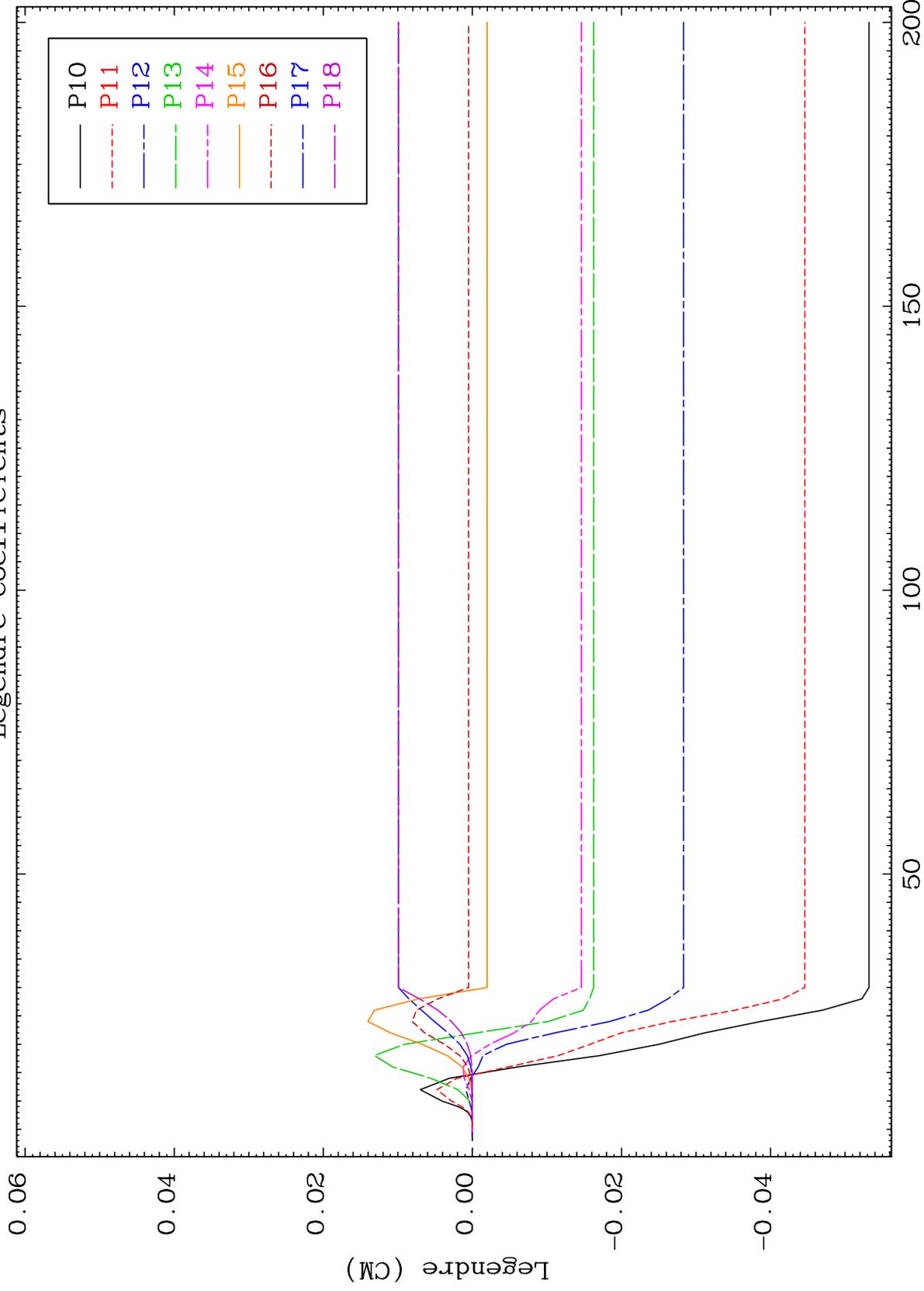
Incident Energy (MeV)

60

MAT 5037

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

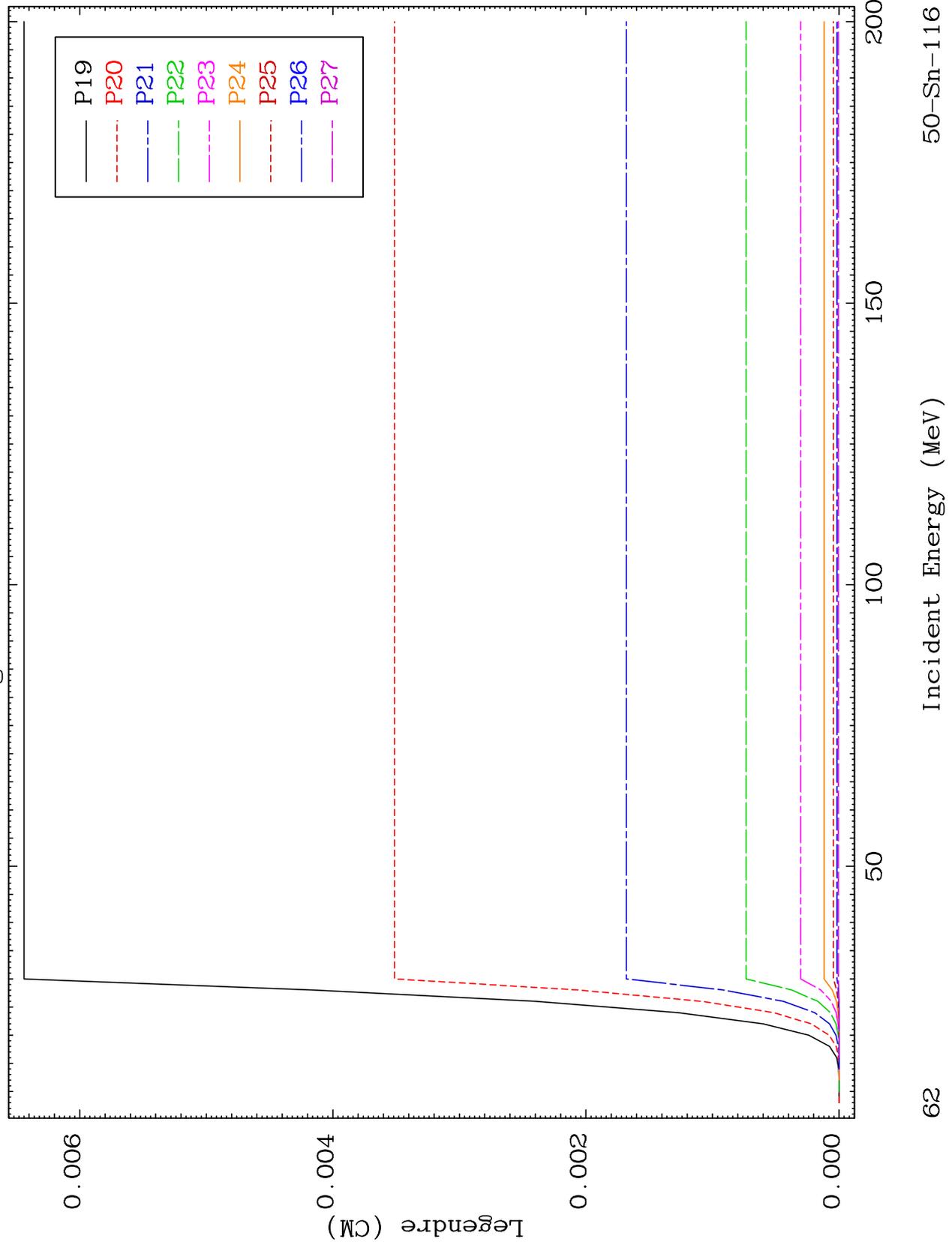
50-Sn-116



MAT 5037

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

50-Sn-116



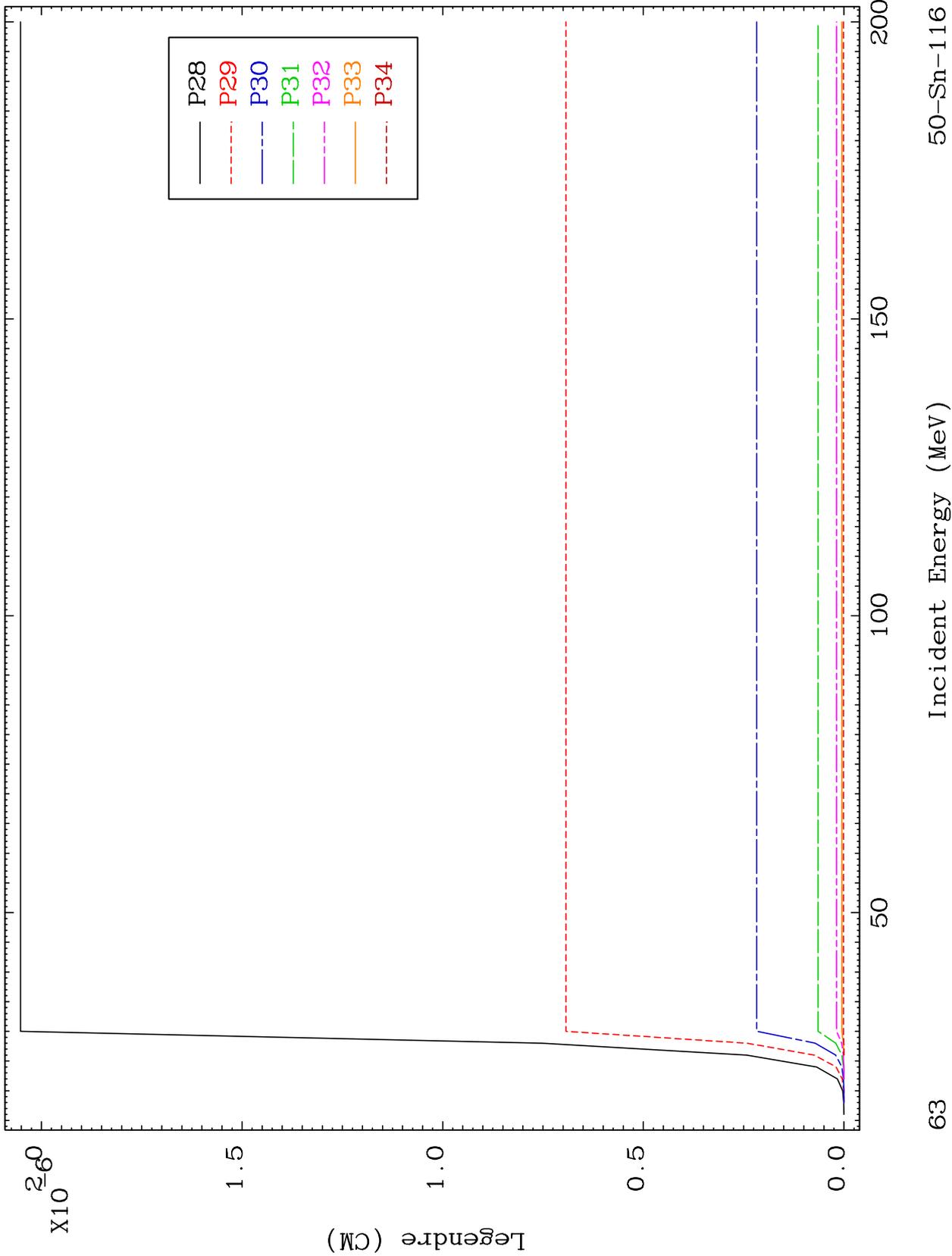
62

50-Sn-116

MAT 5037

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

50-Sn-116



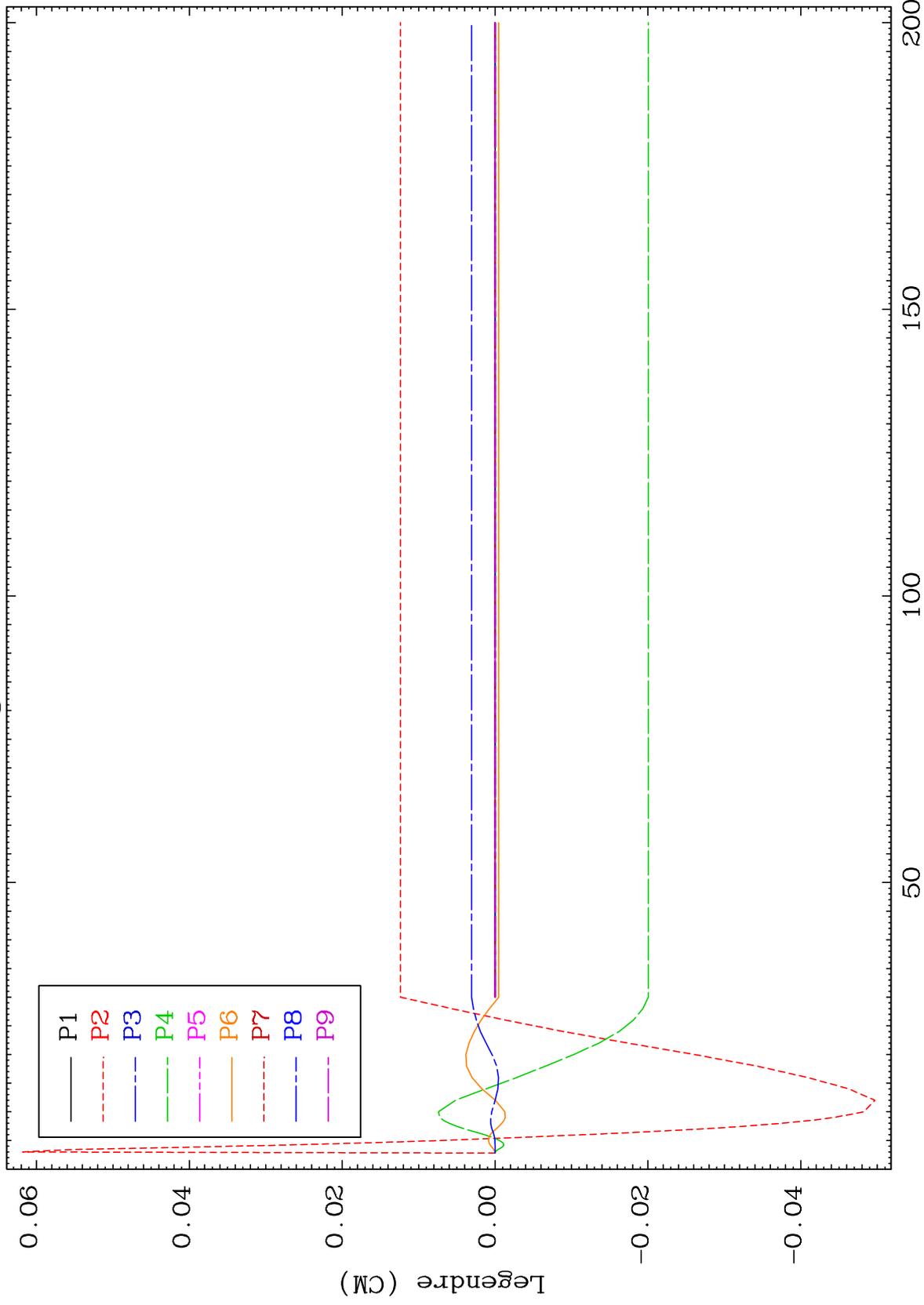
63

50-Sn-116

MAT 5037

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

50-Sn-116



64

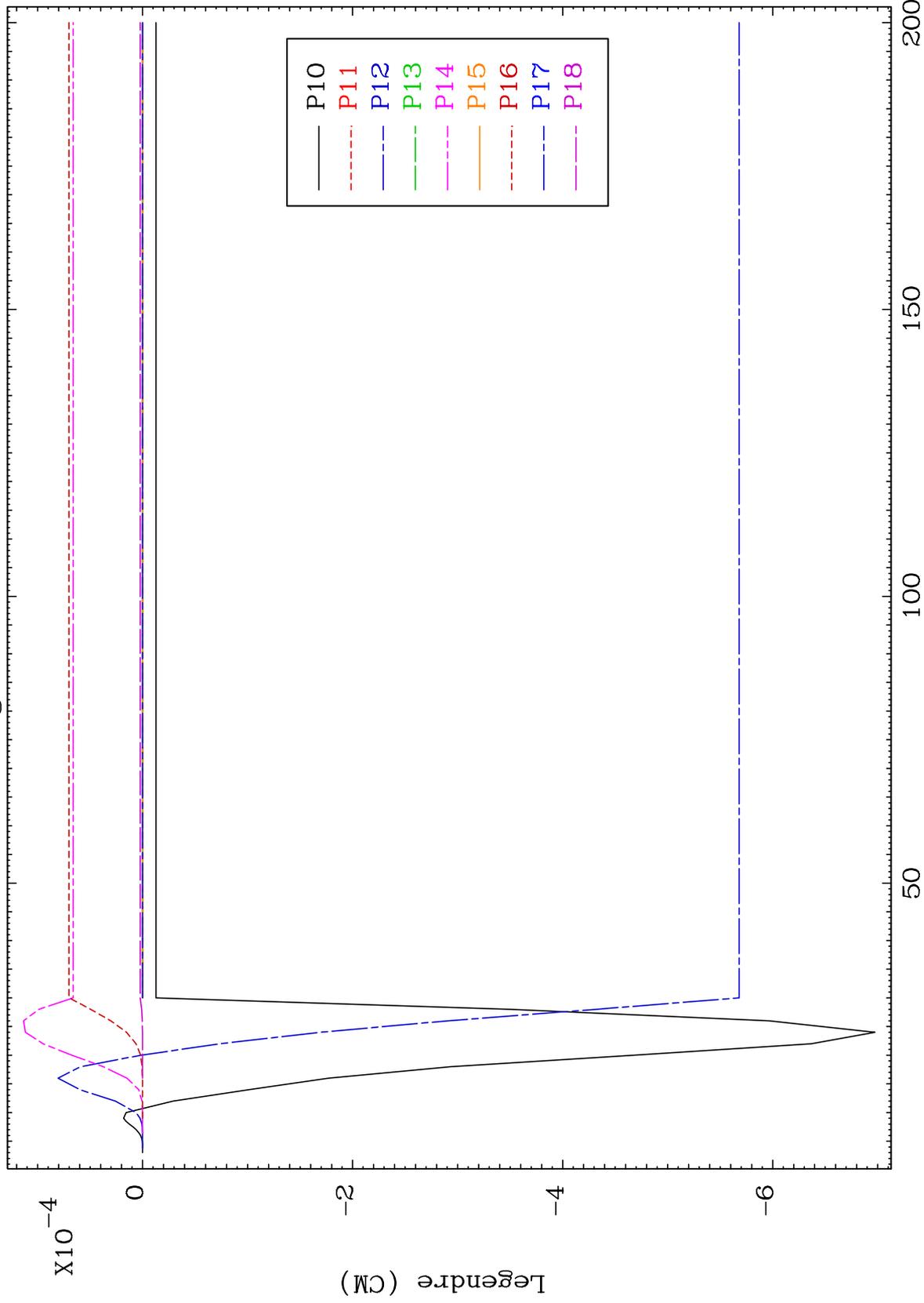
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



65

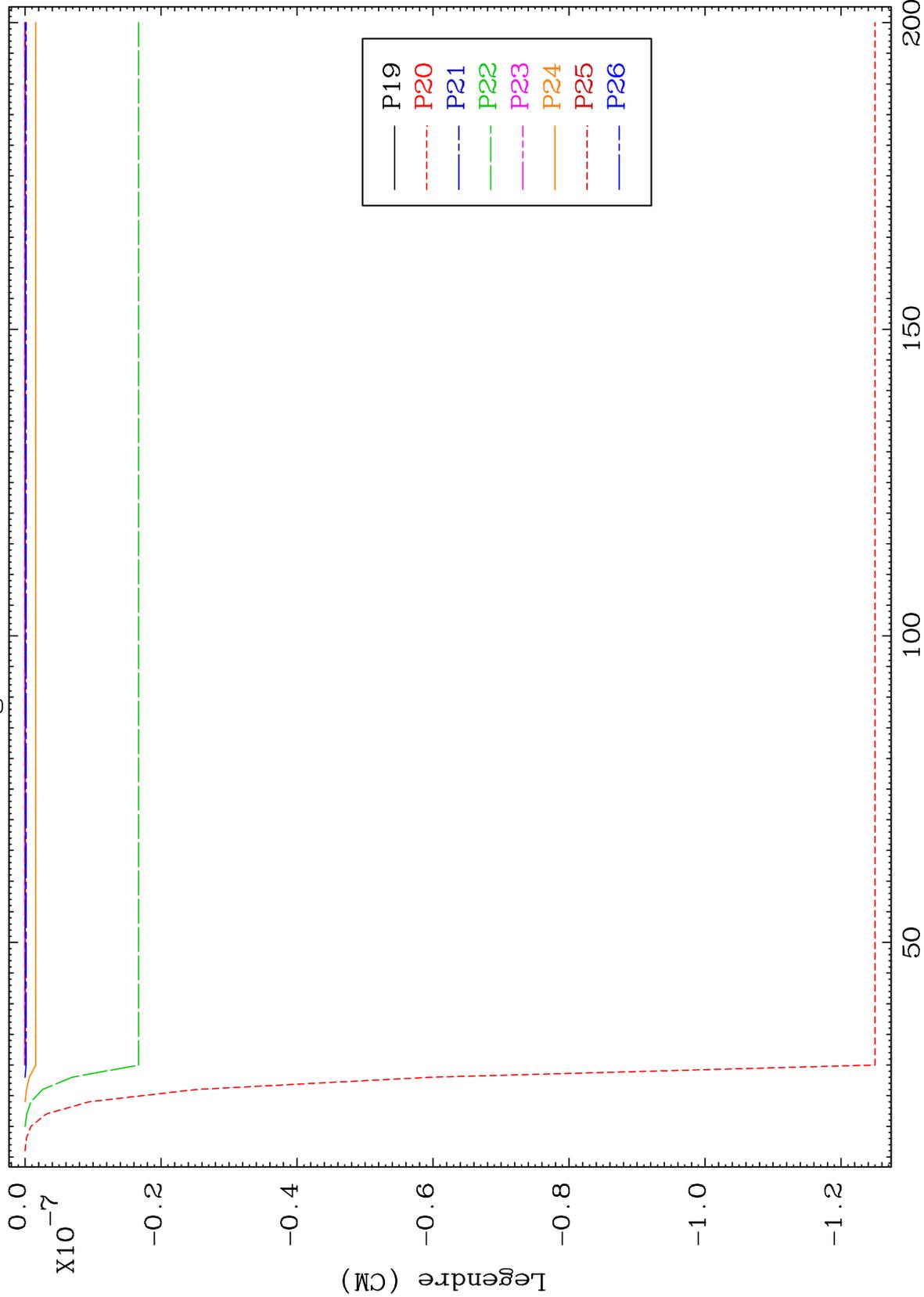
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

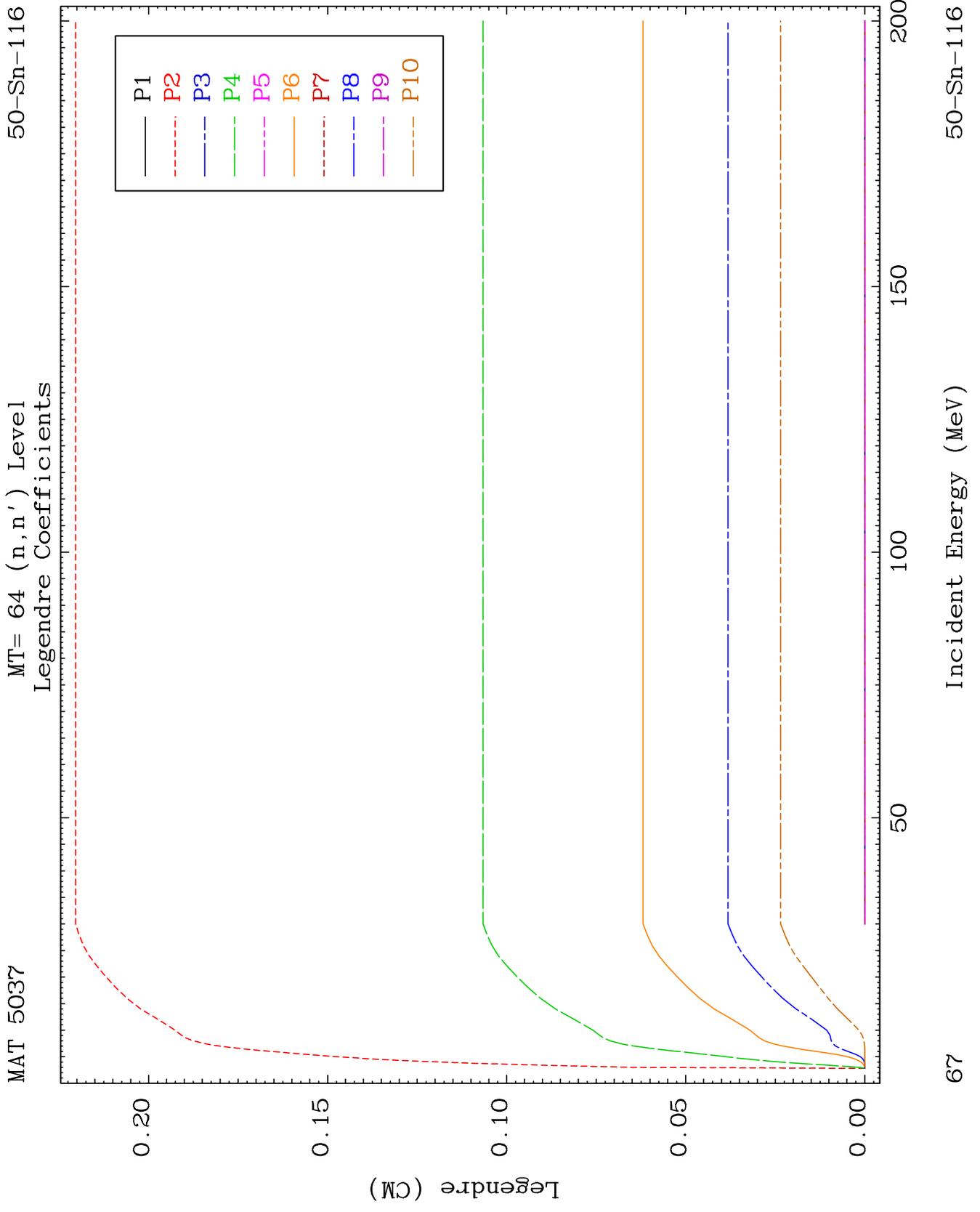
50-Sn-116

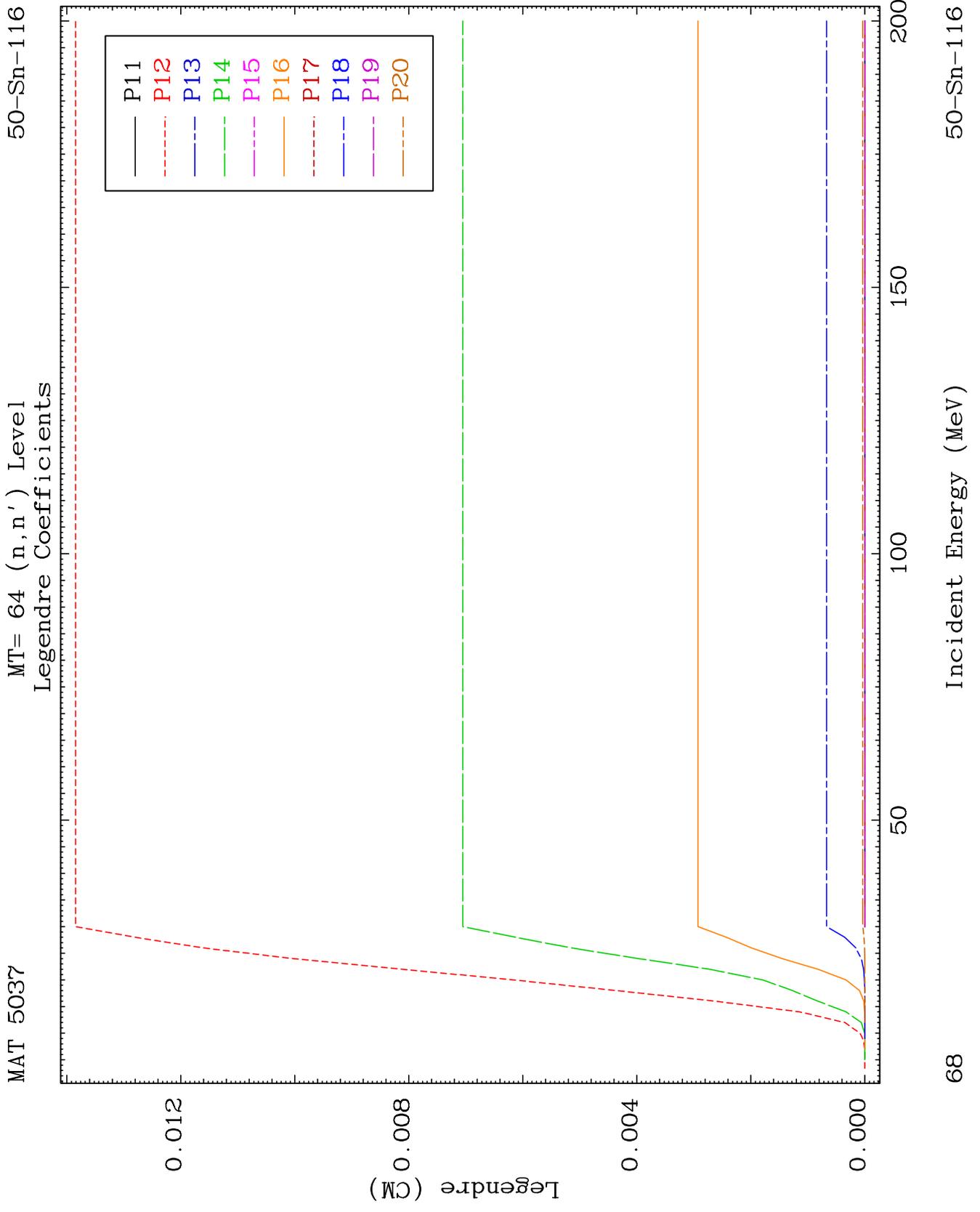


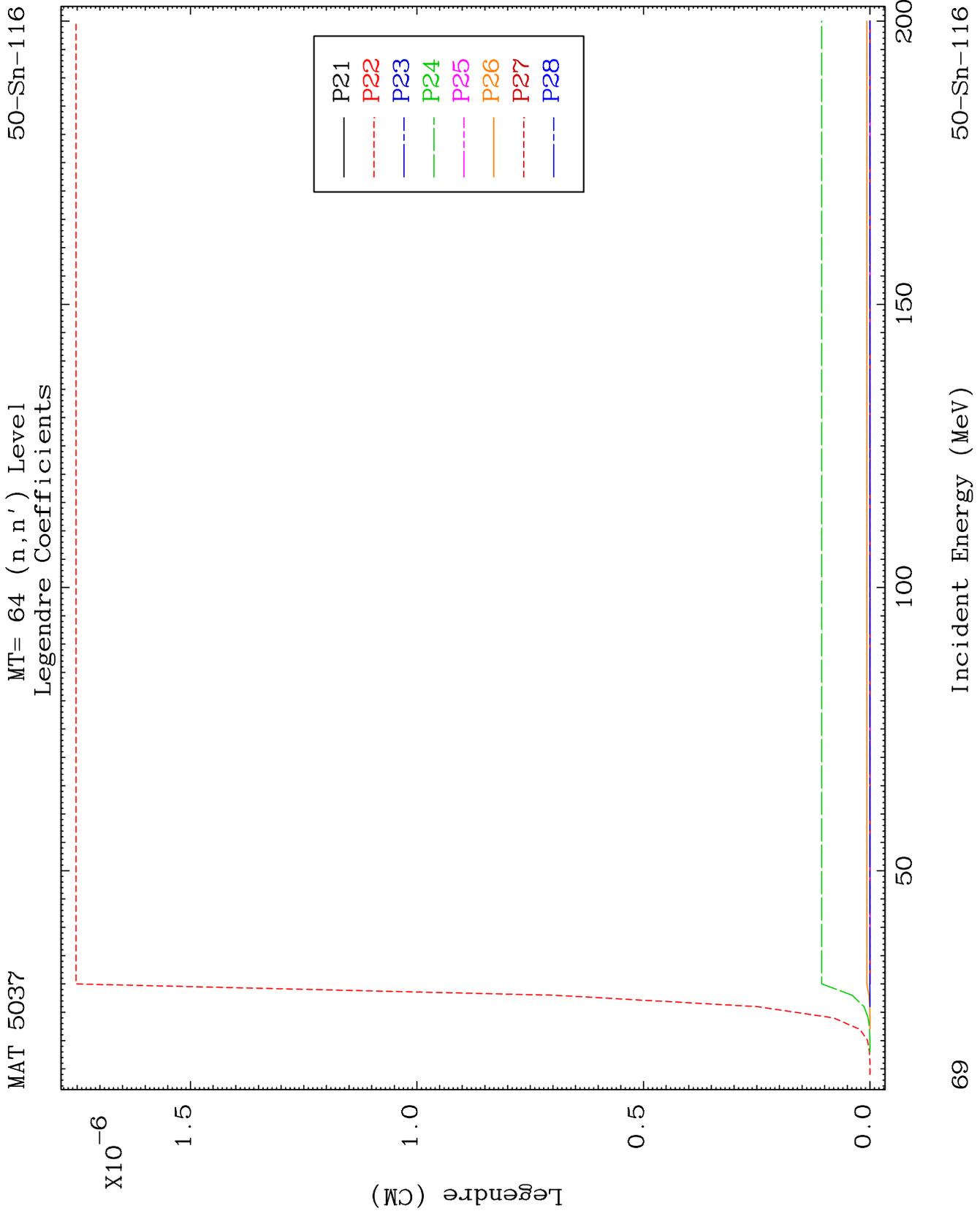
50-Sn-116

Incident Energy (MeV)

66



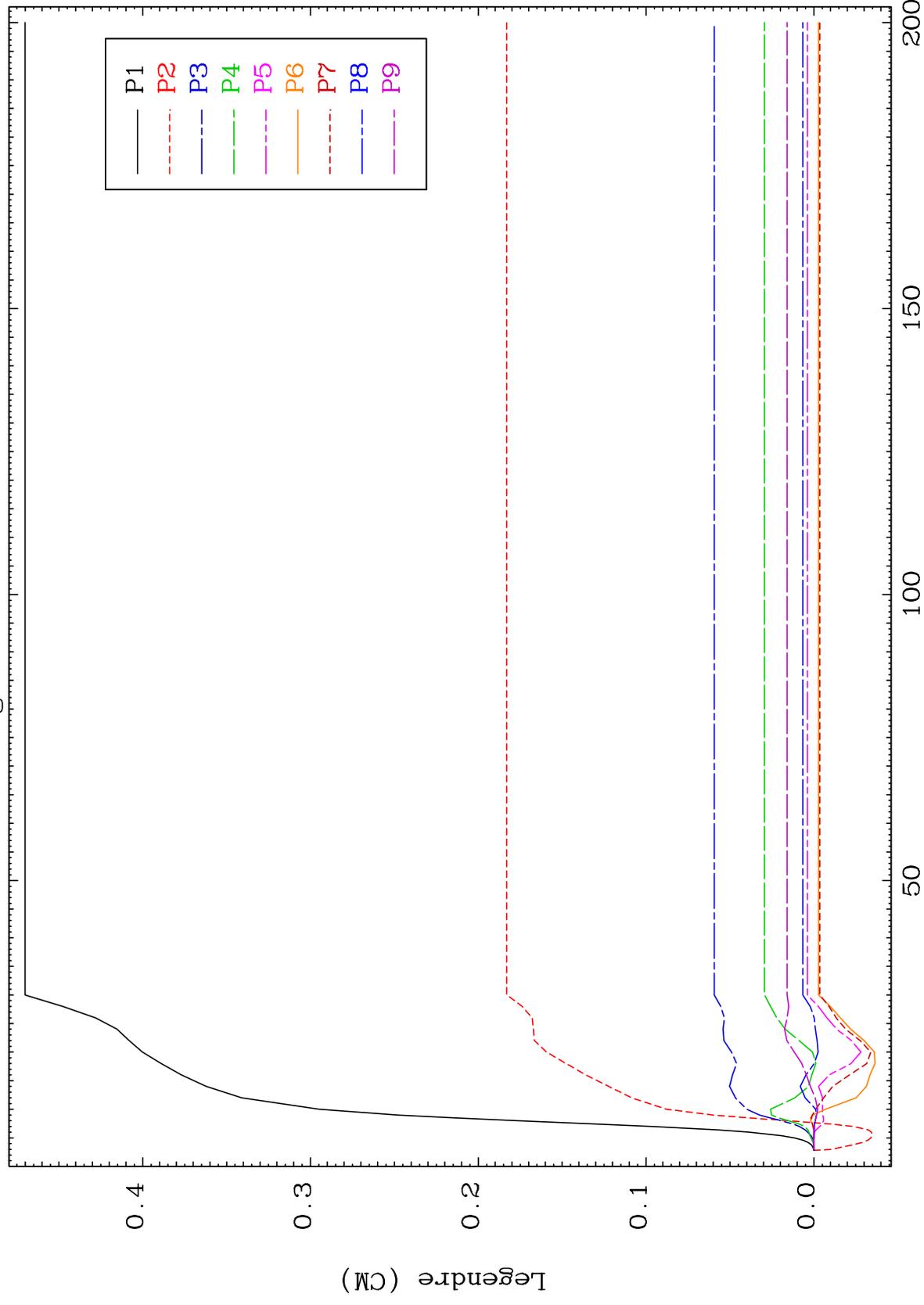




MAT 5037

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

50-Sn-116



70

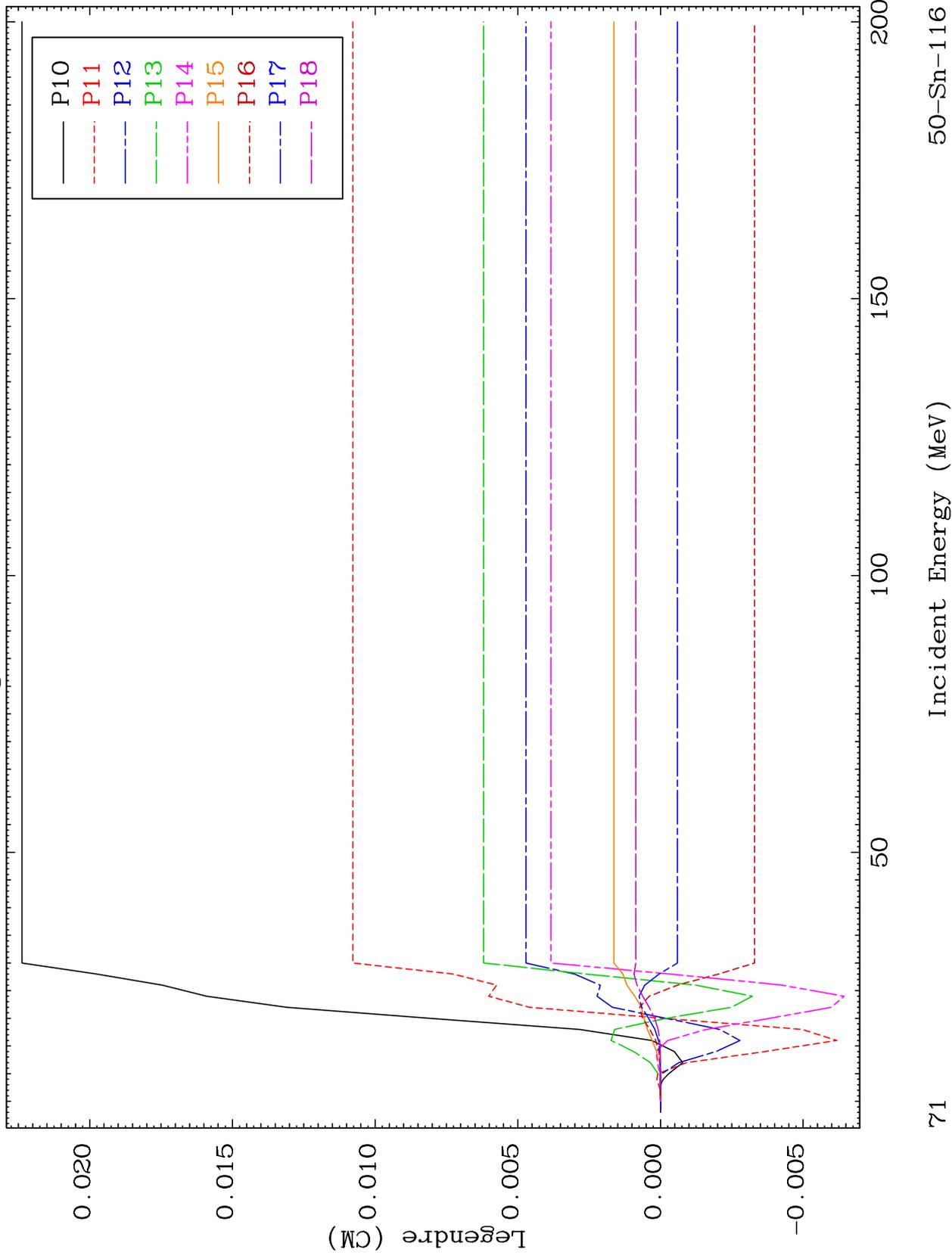
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



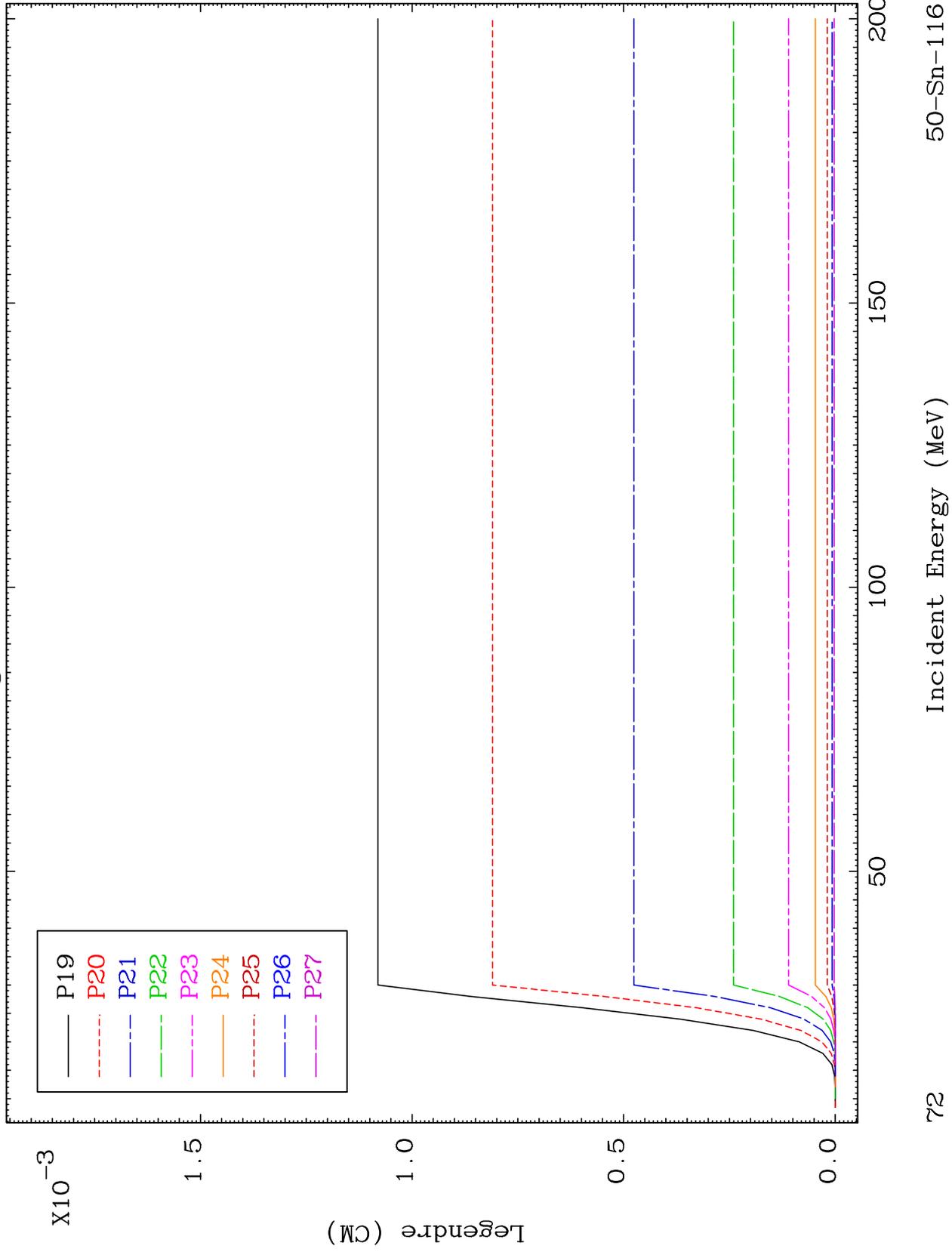
71

50-Sn-116

MAT 5037

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

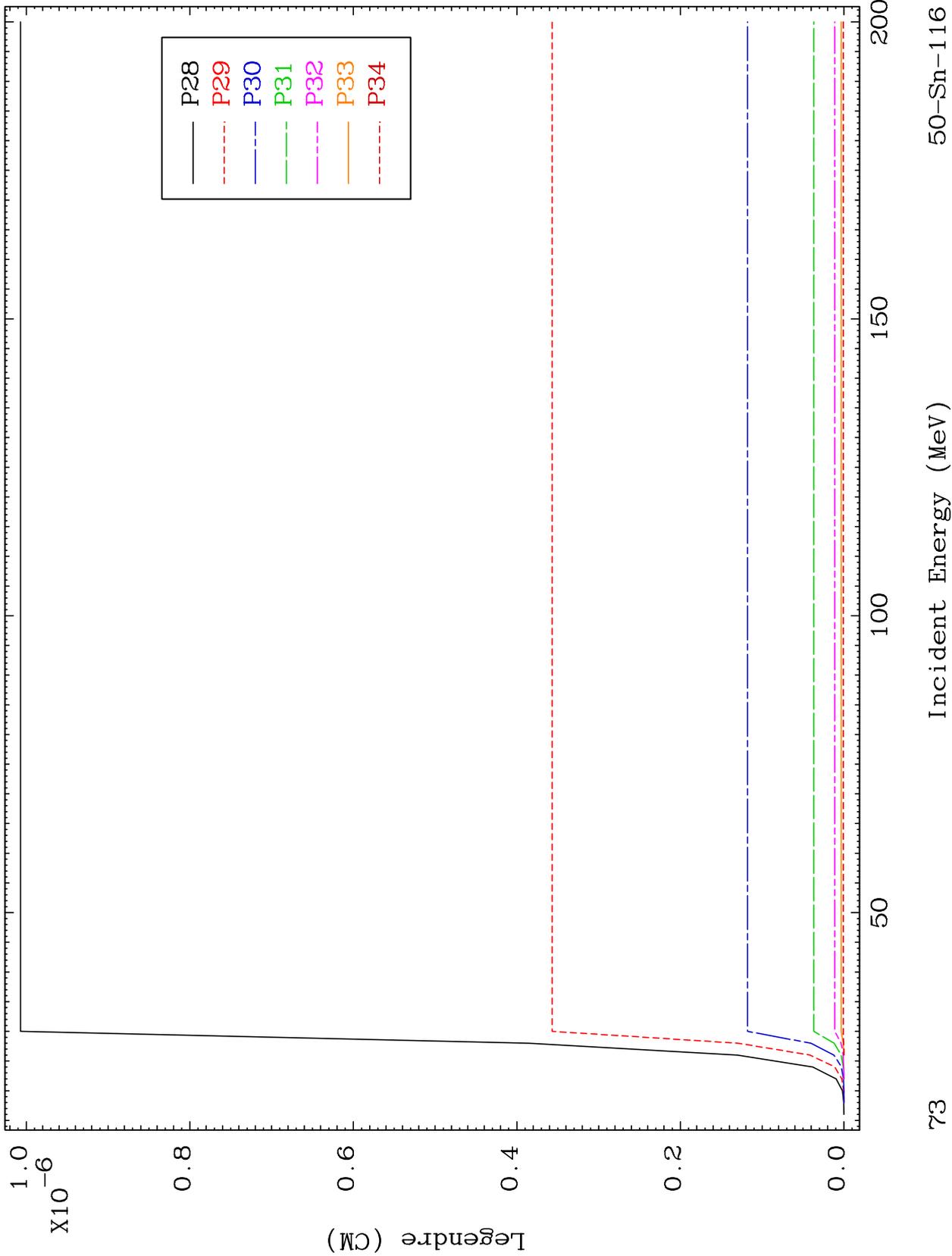
50-Sn-116



MAT 5037

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

50-Sn-116



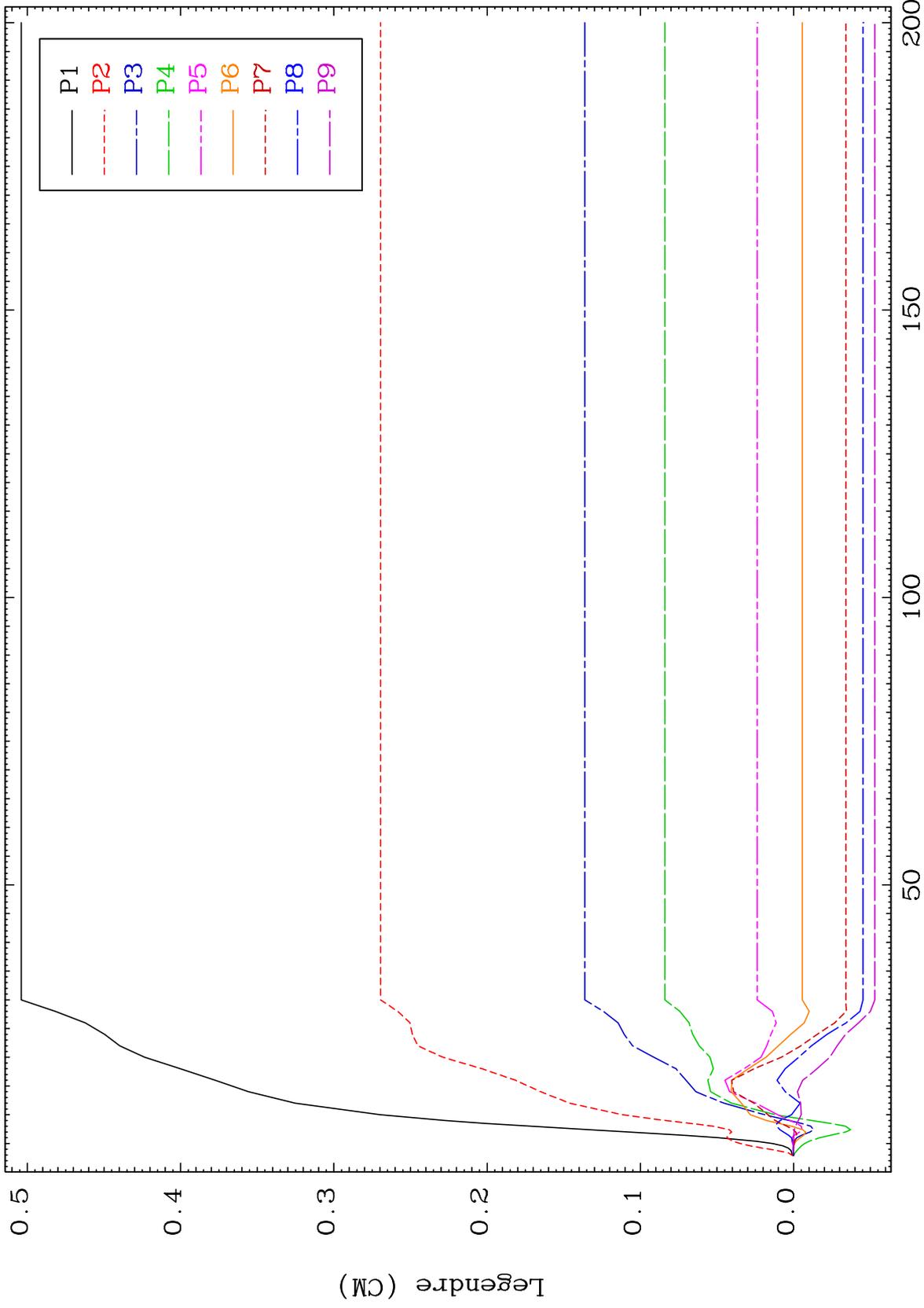
73

50-Sn-116

MAT 5037

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

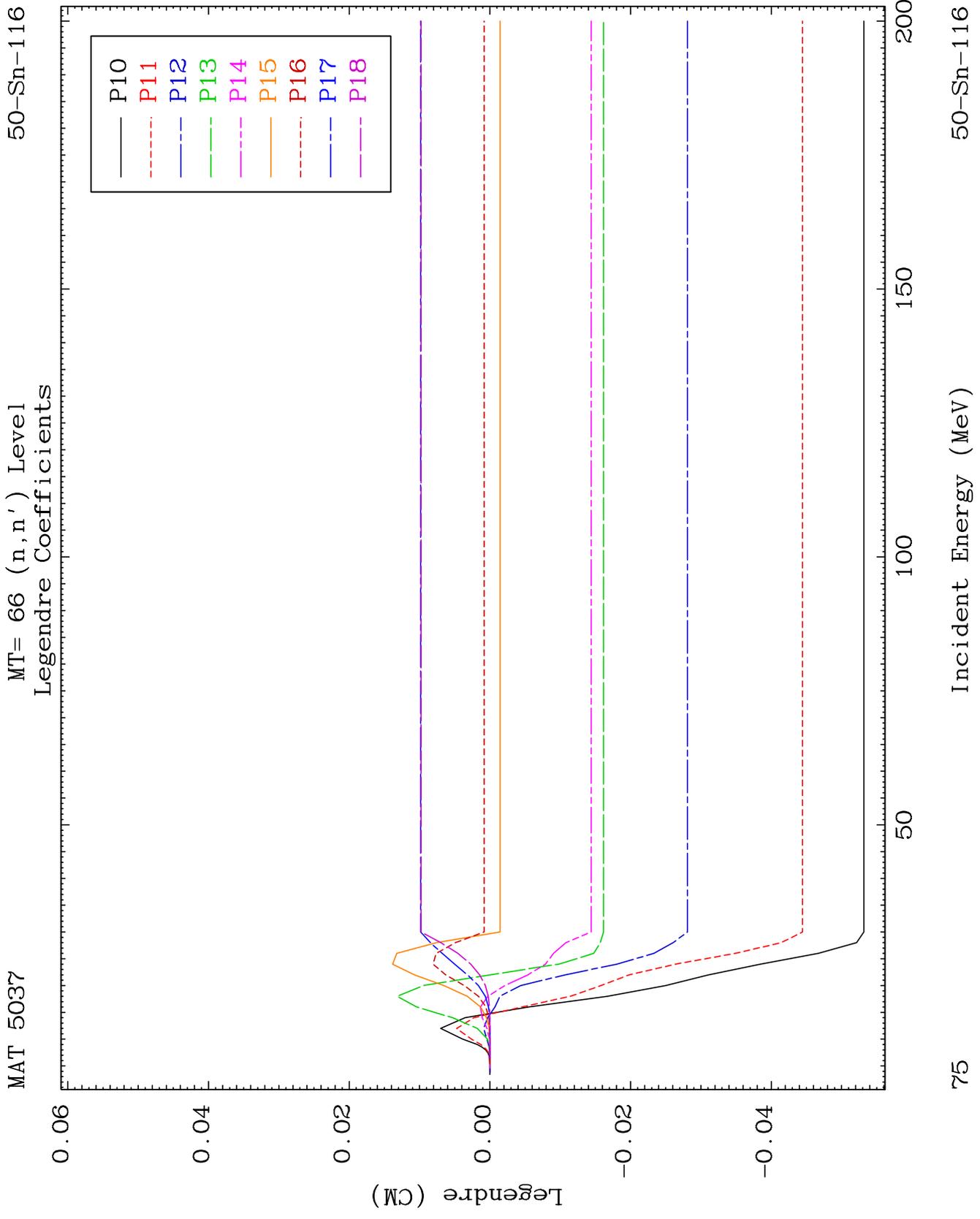
50-Sn-116



74

Incident Energy (MeV)

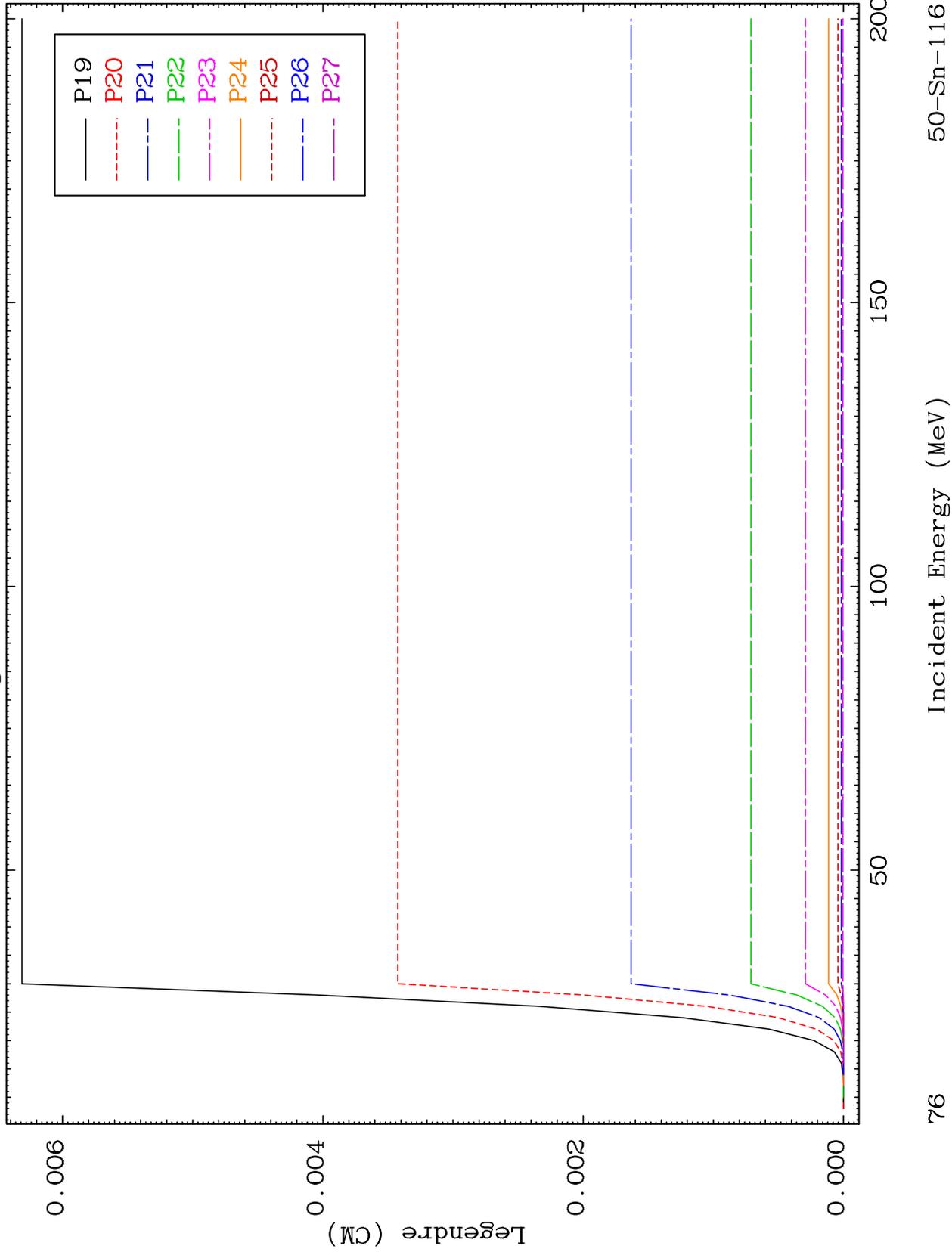
50-Sn-116



MAT 5037

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

50-Sn-116



76

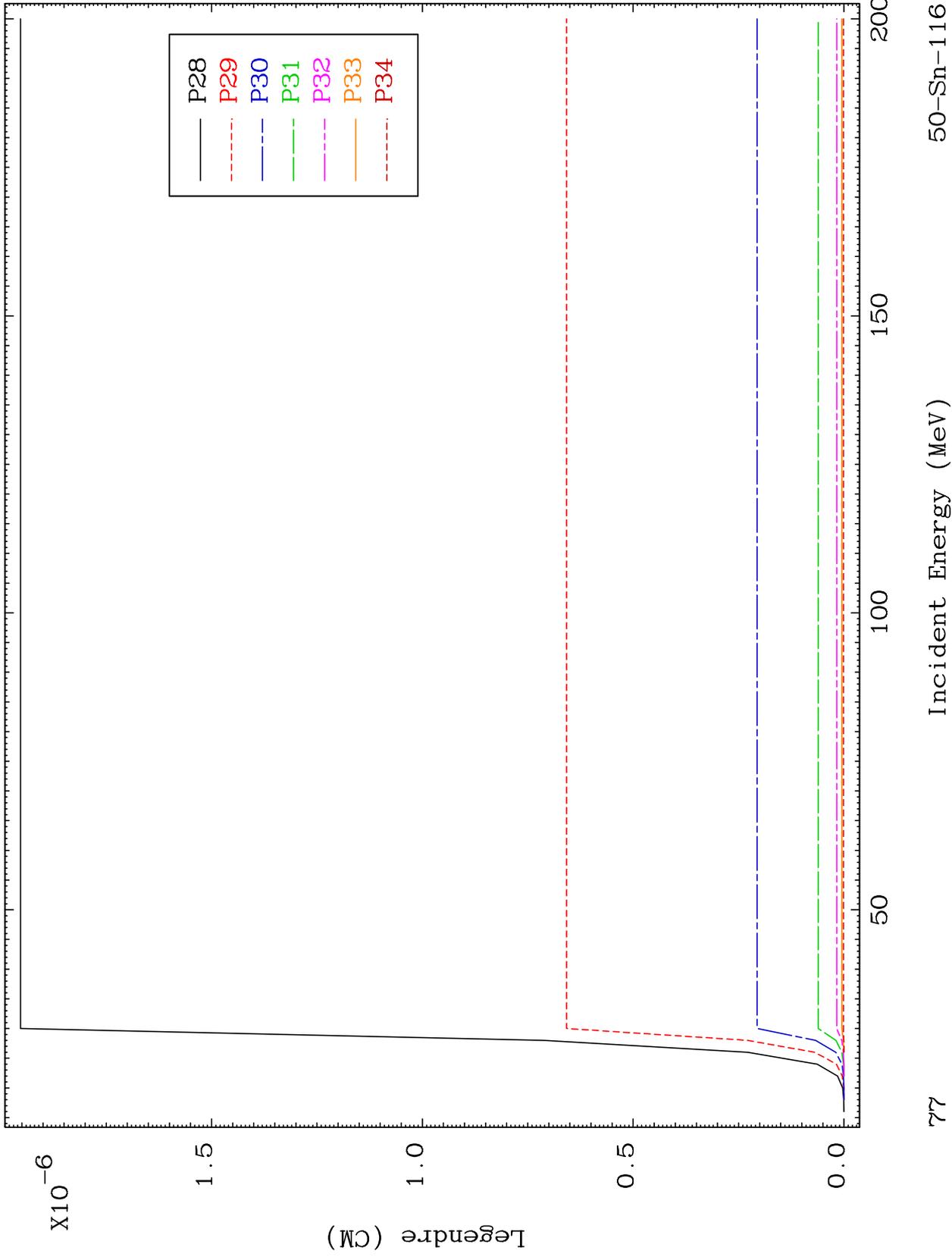
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

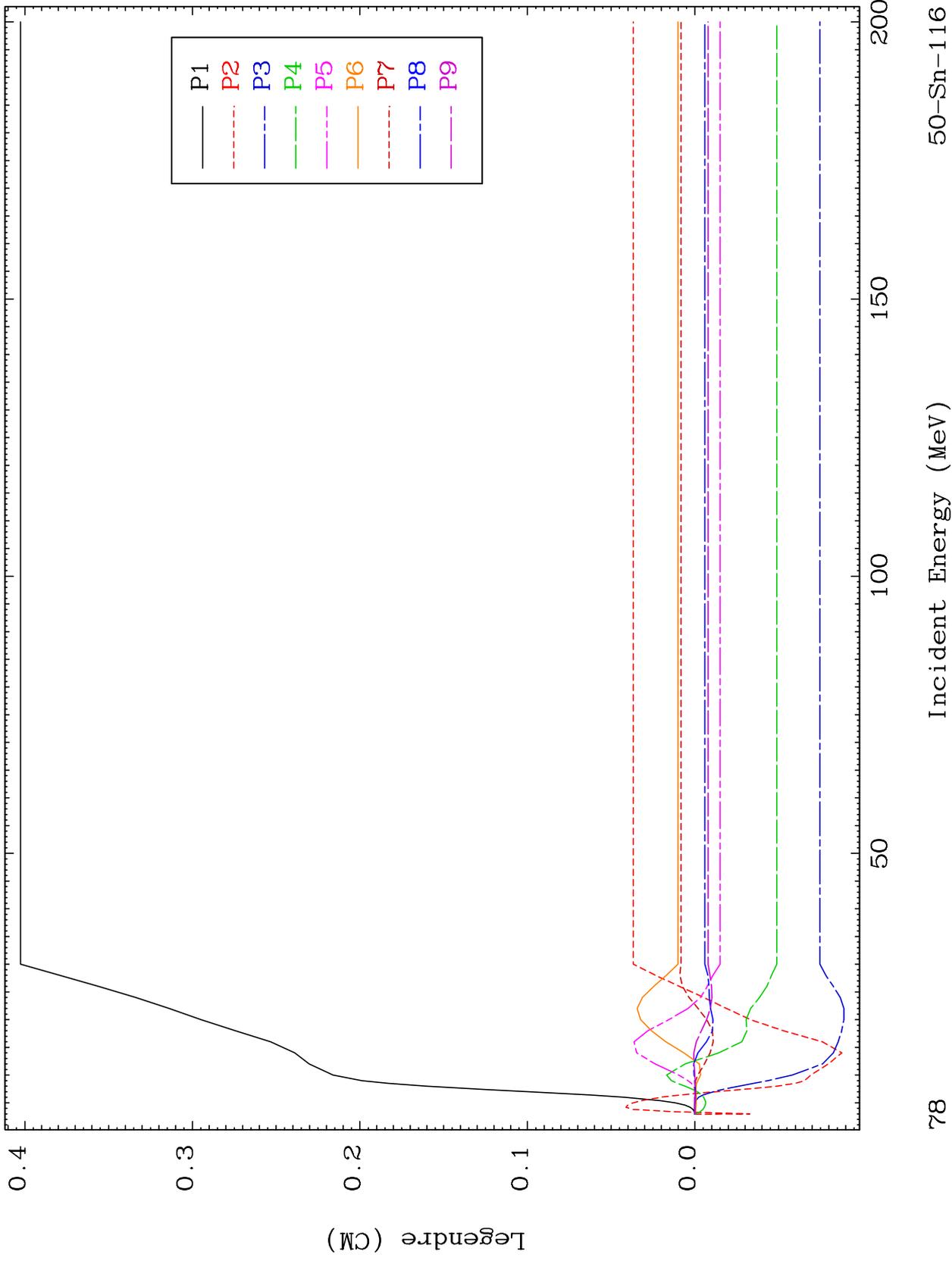
50-Sn-116



MAT 5037

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

50-Sn-116



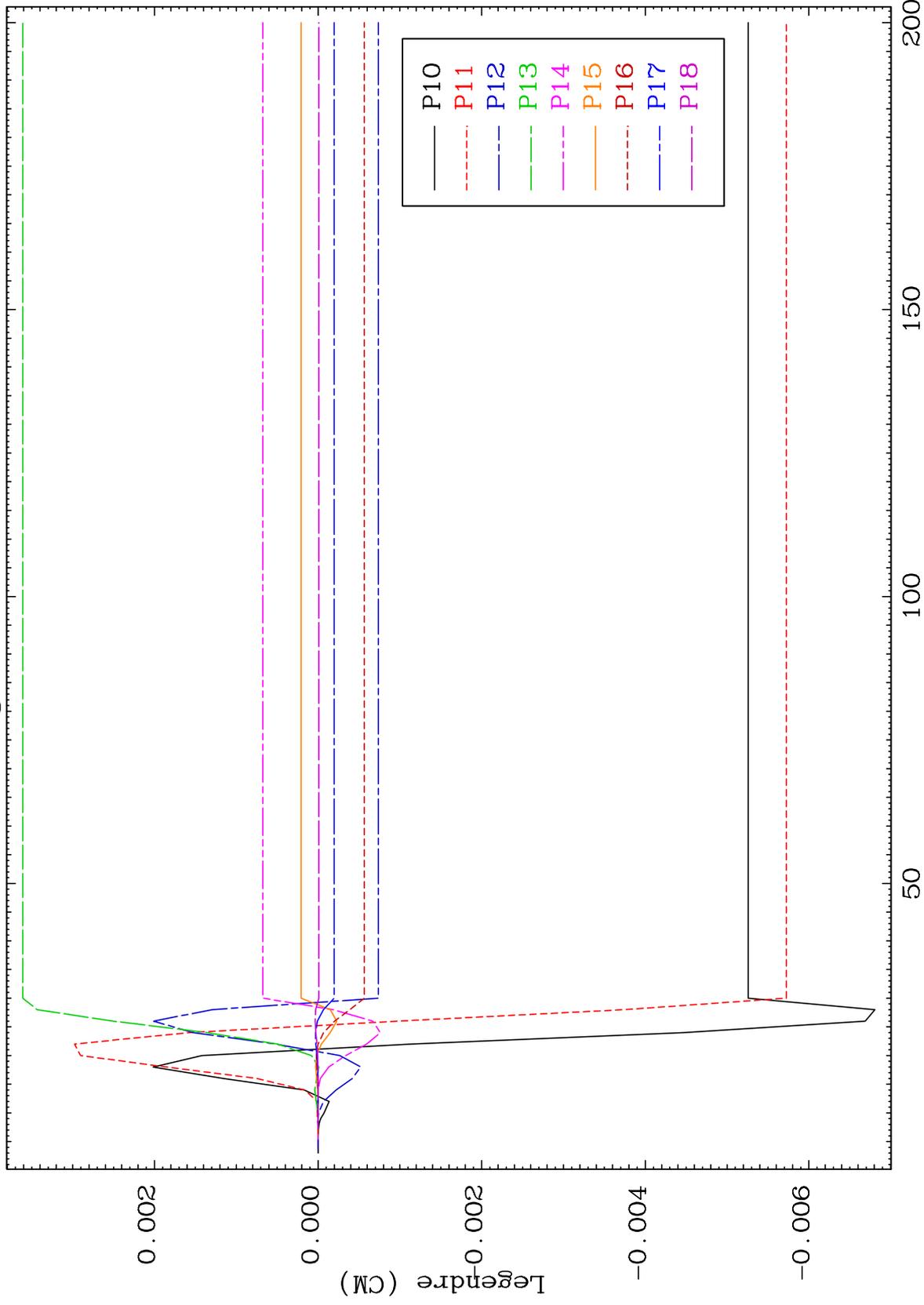
78

50-Sn-116

MAT 5037

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

50-Sn-116



79

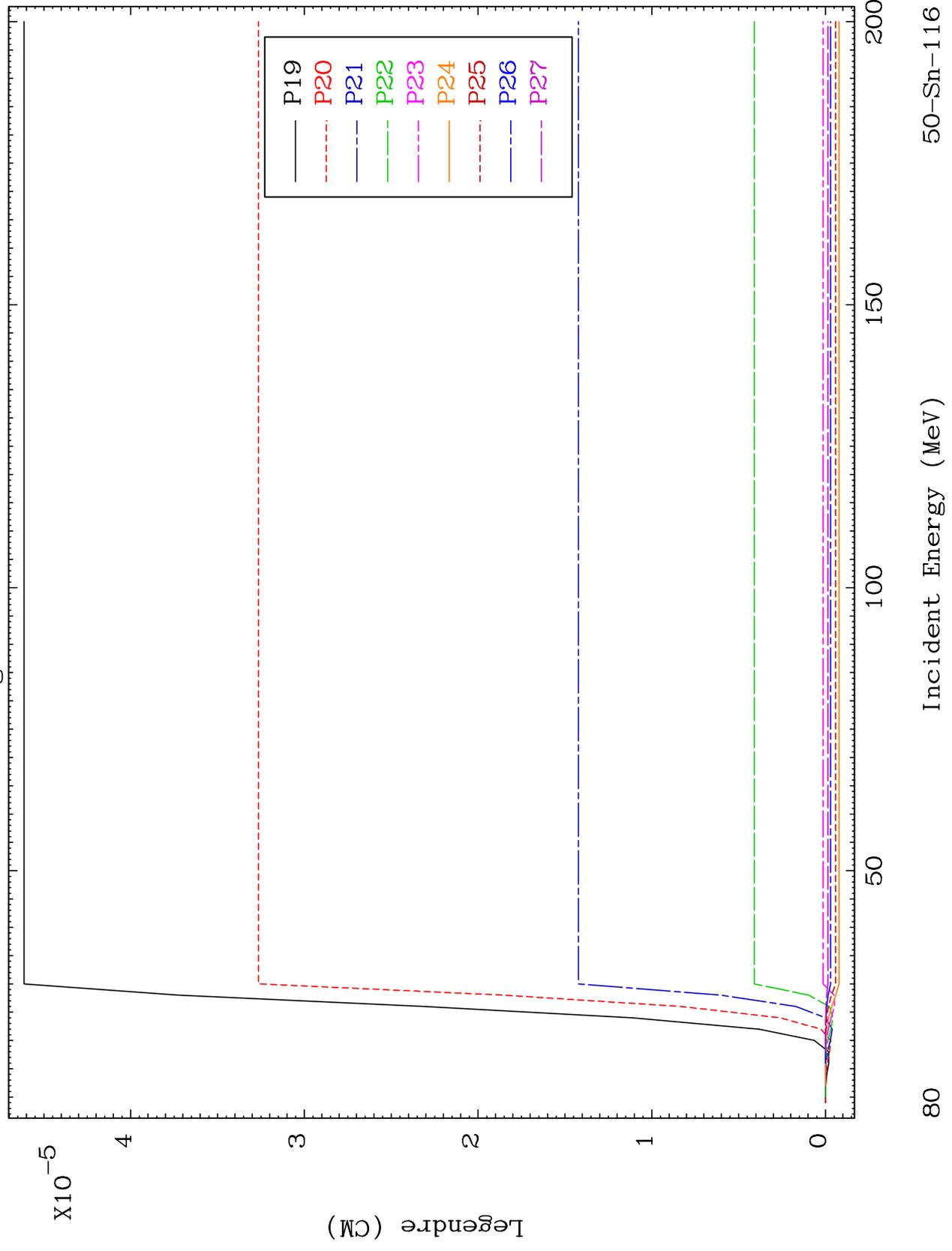
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

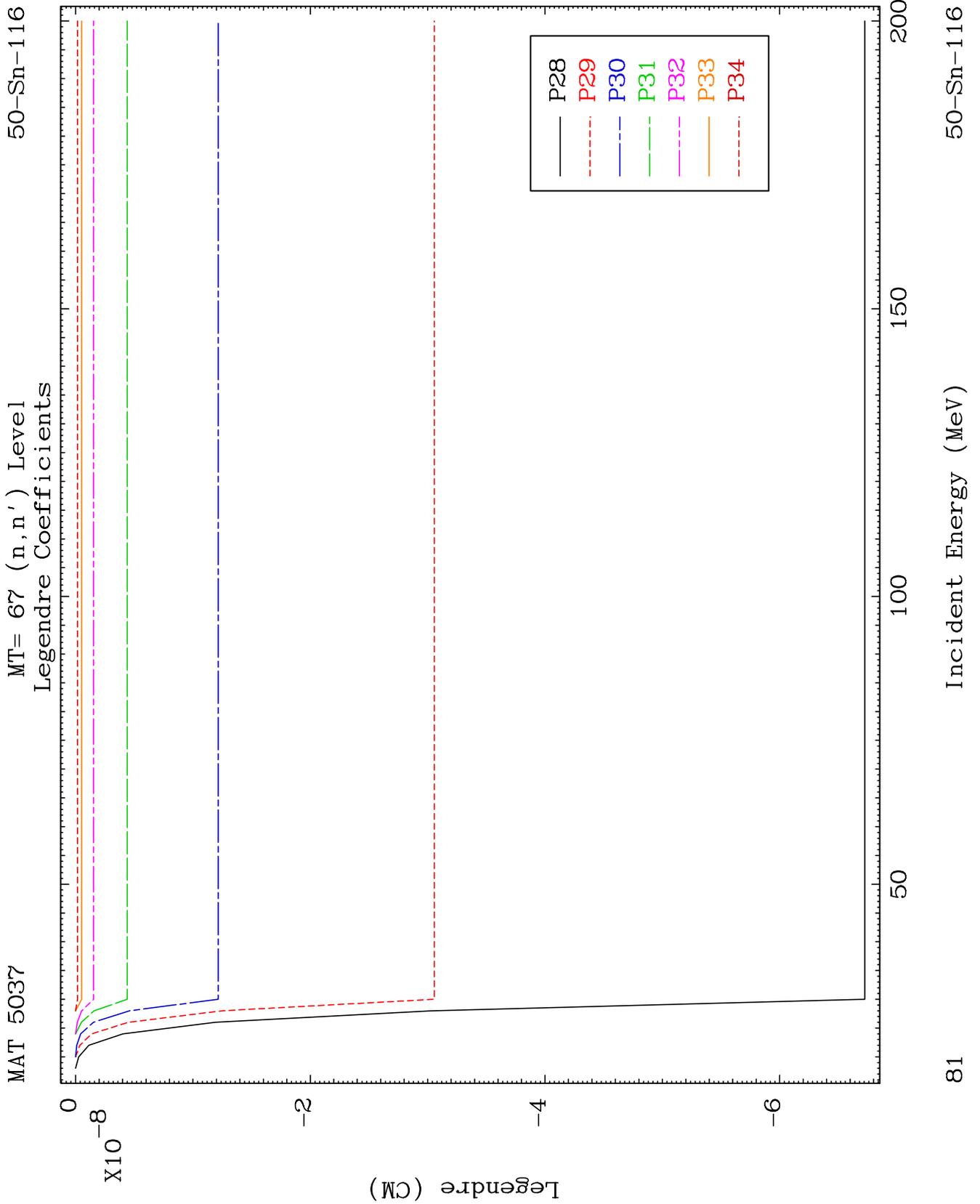
50-Sn-116



80

Incident Energy (MeV)

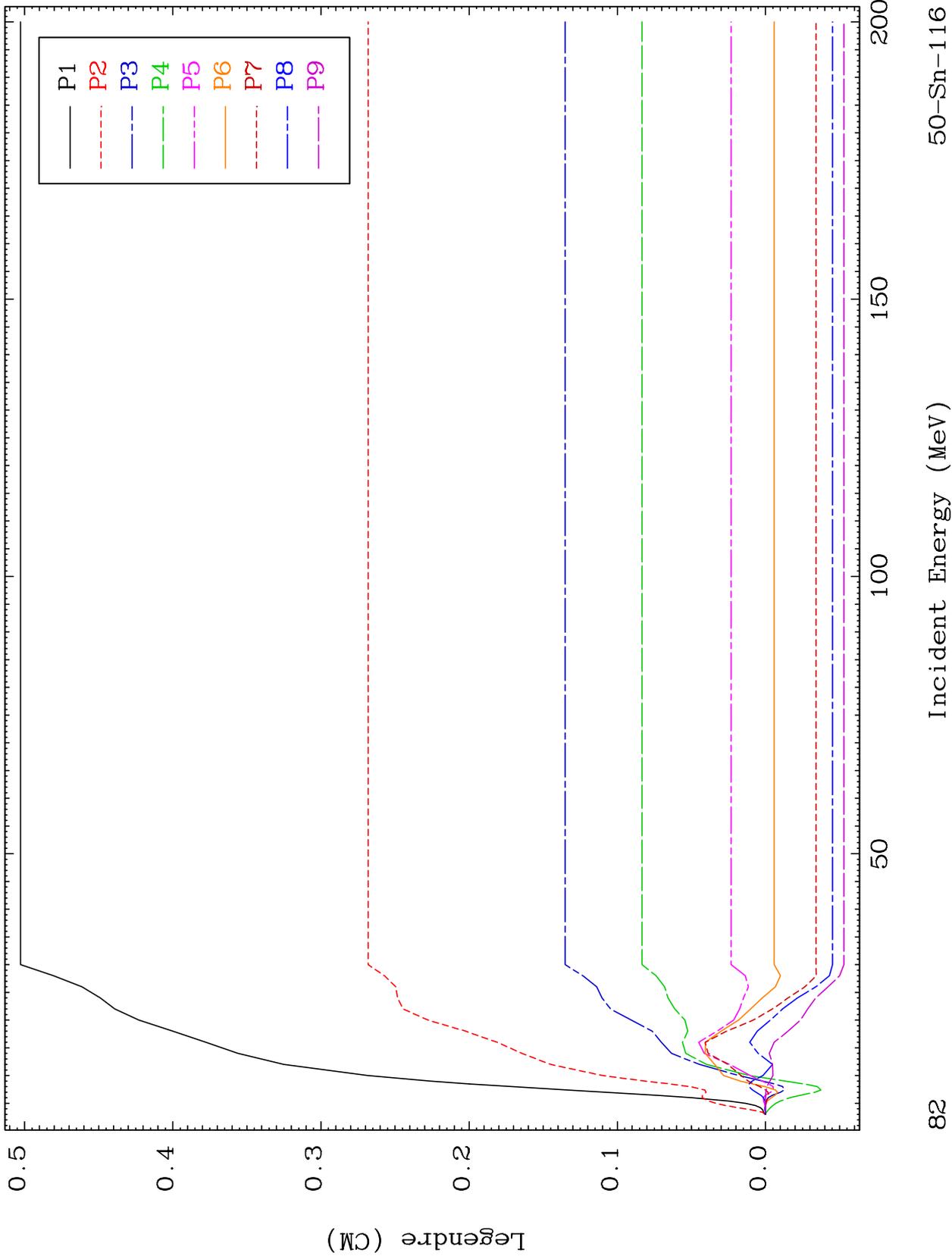
50-Sn-116

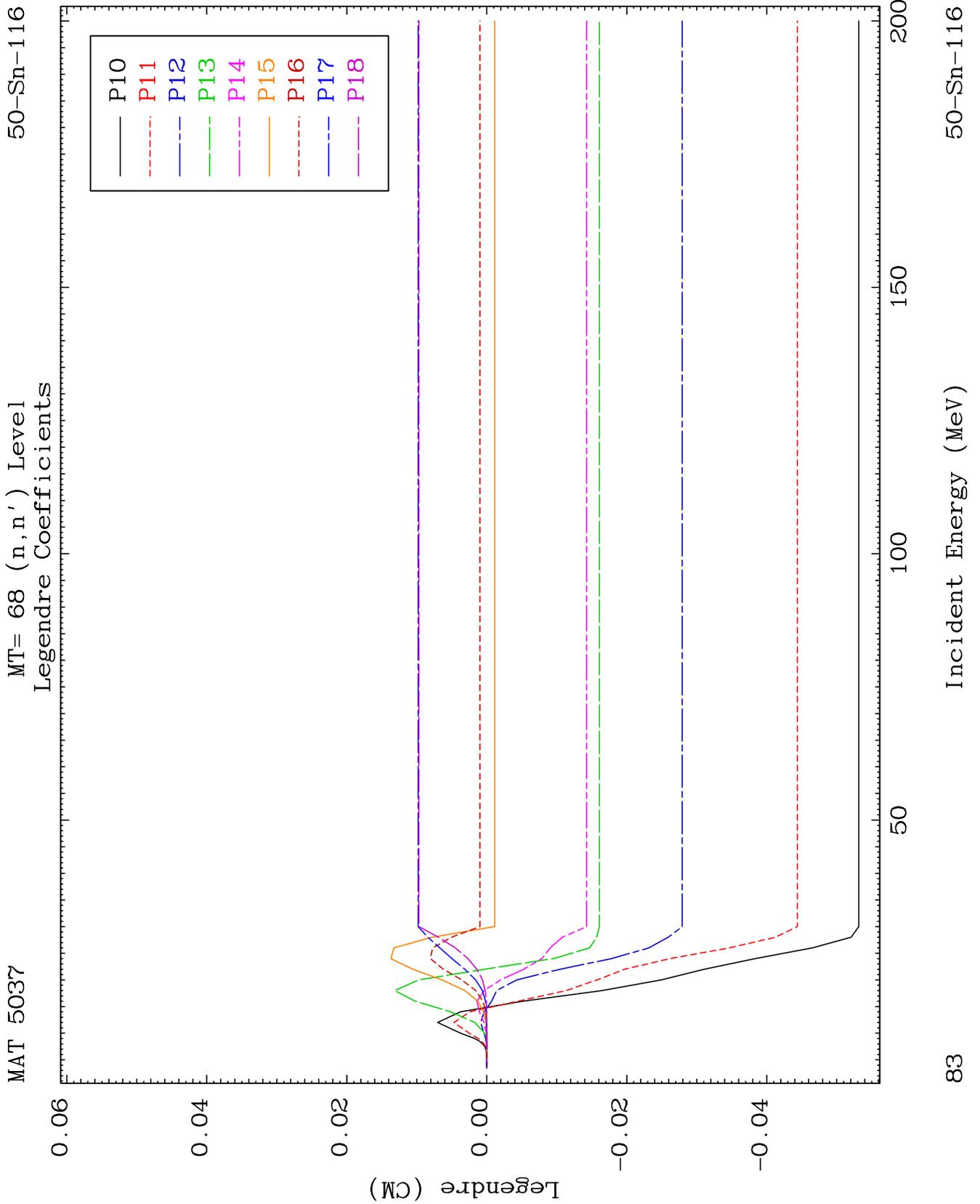


MAT 5037

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

50-Sn-116

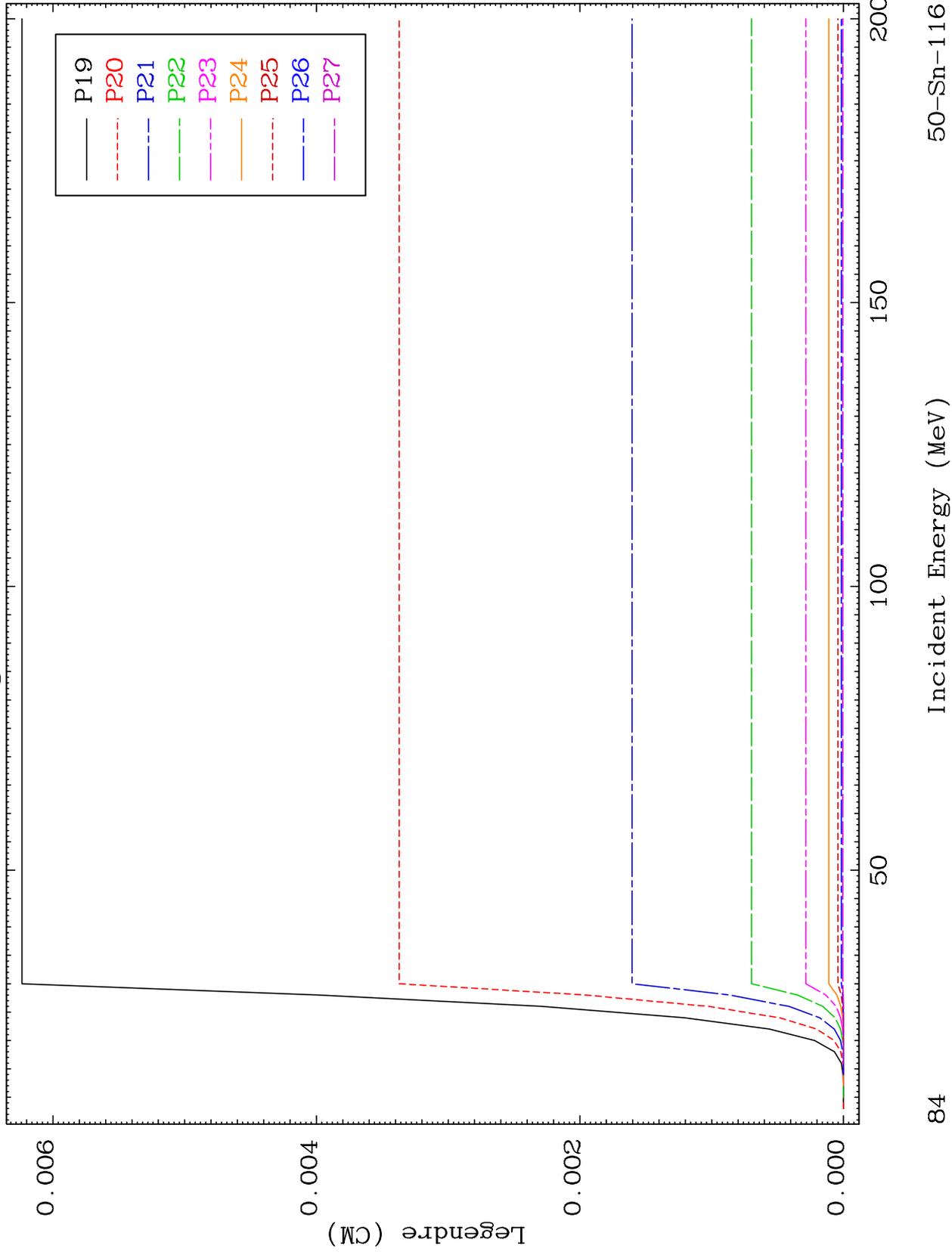




MAT 5037

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

50-Sn-116



84

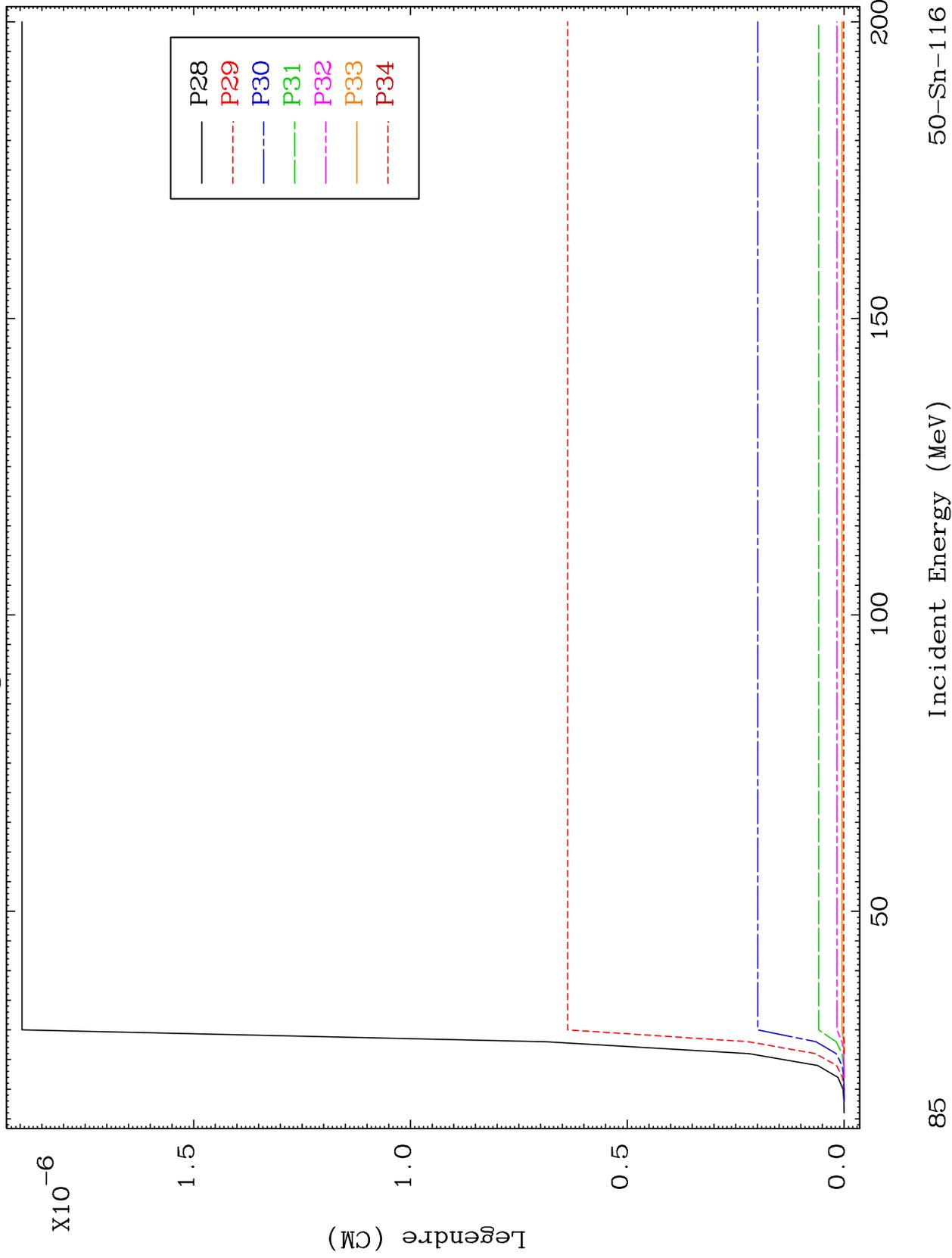
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

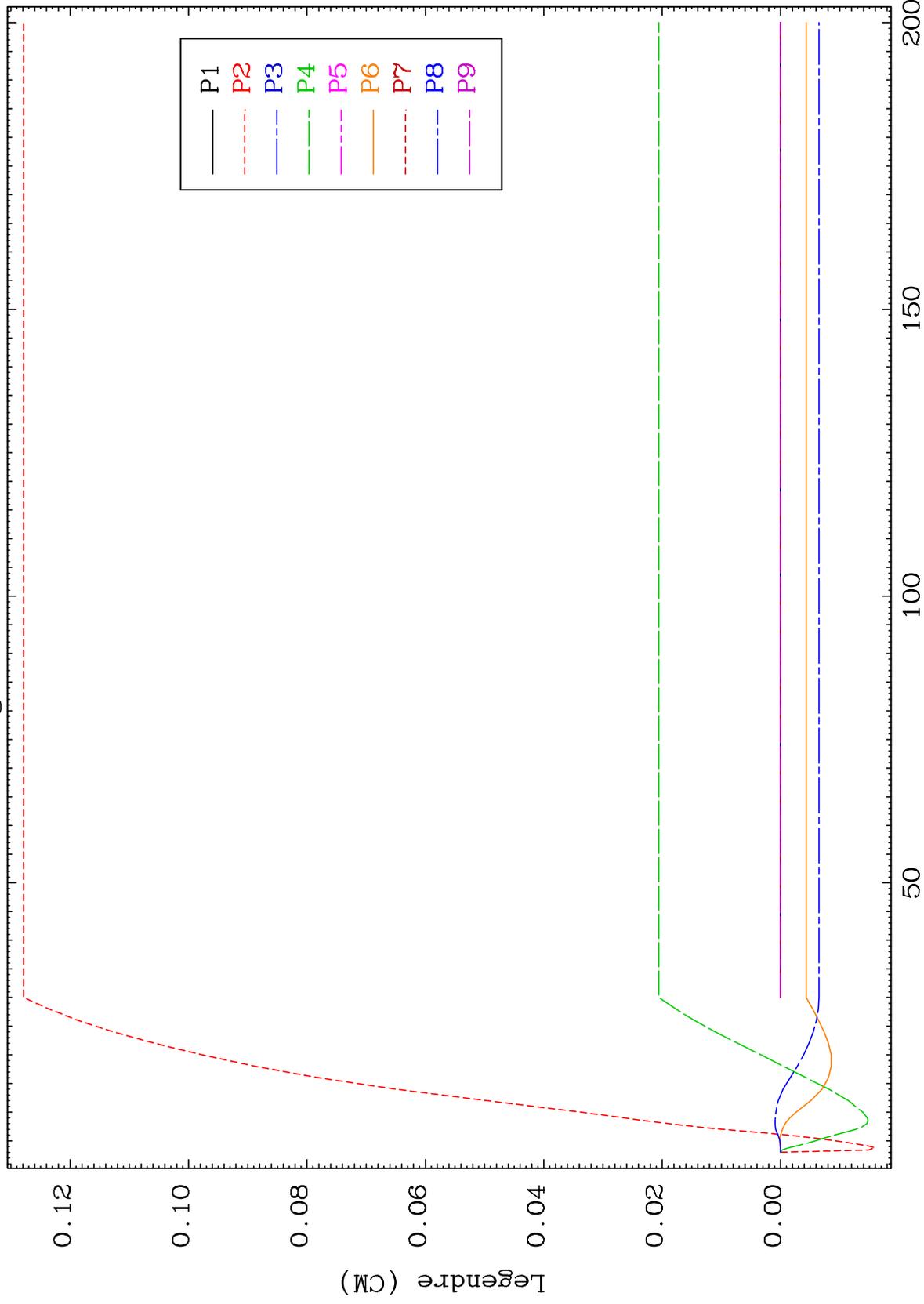
50-Sn-116



MAT 5037

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

50-Sn-116



86

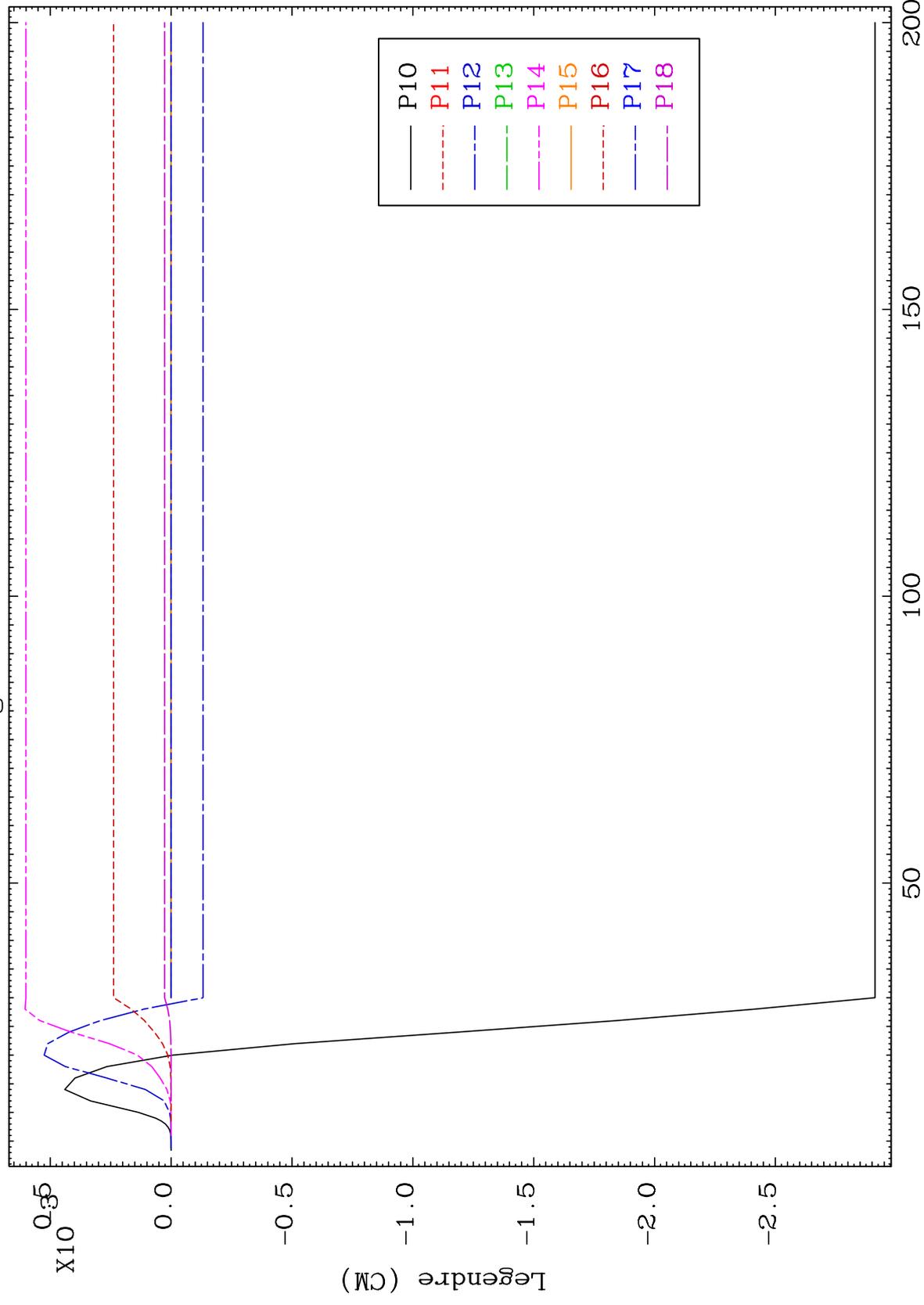
Incident Energy (MeV)

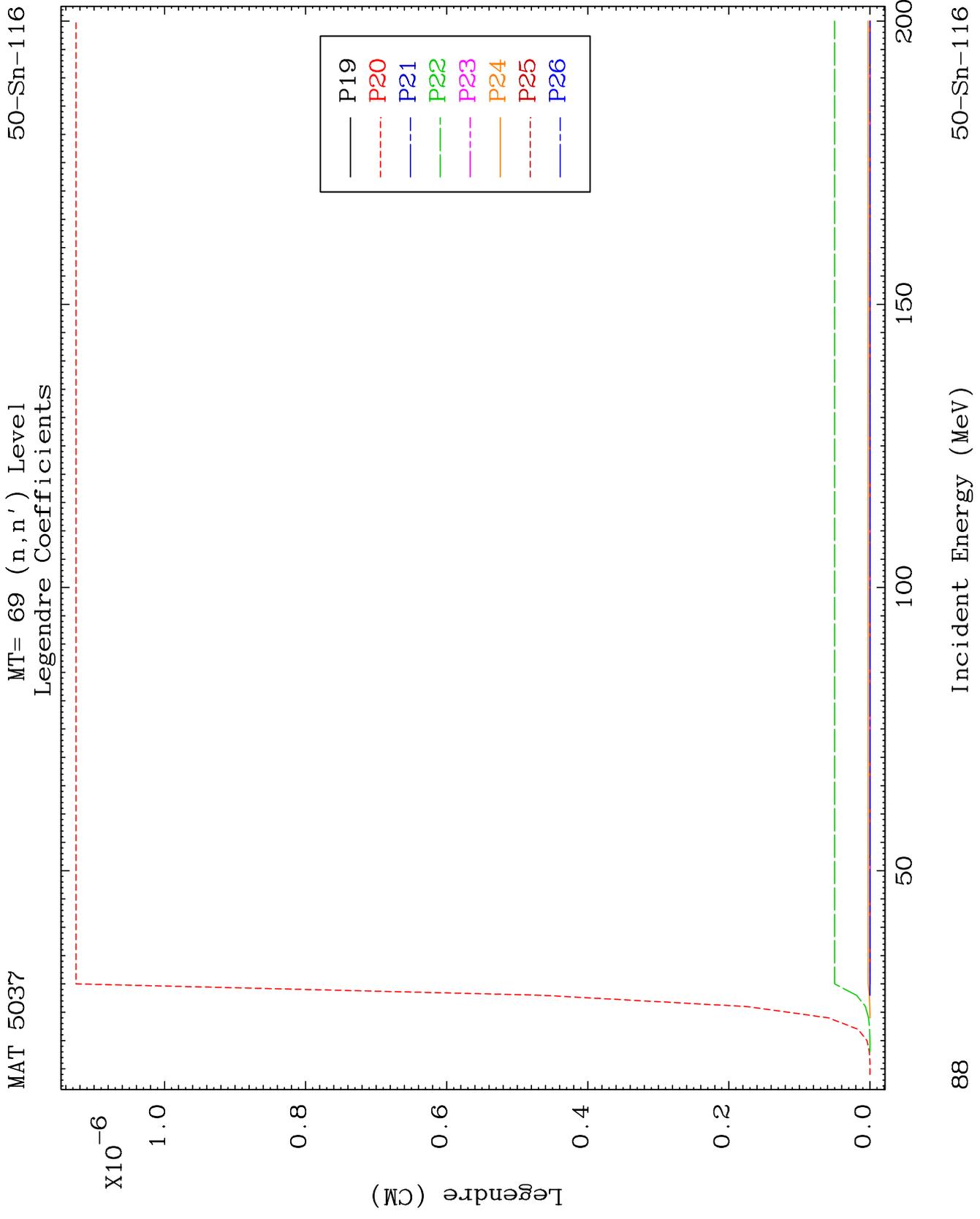
50-Sn-116

MAT 5037

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

50-Sn-116

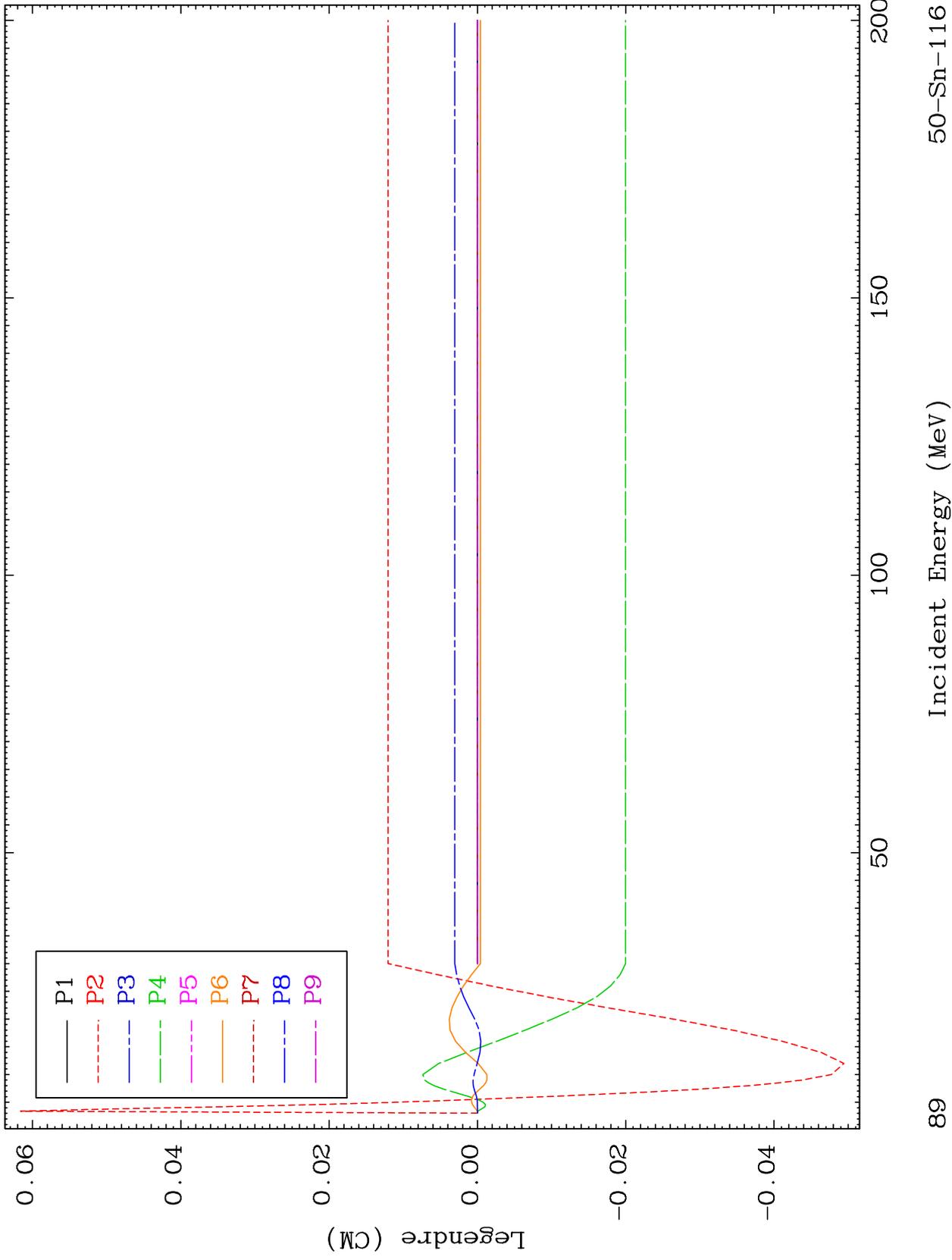




MAT 5037

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

50-Sn-116



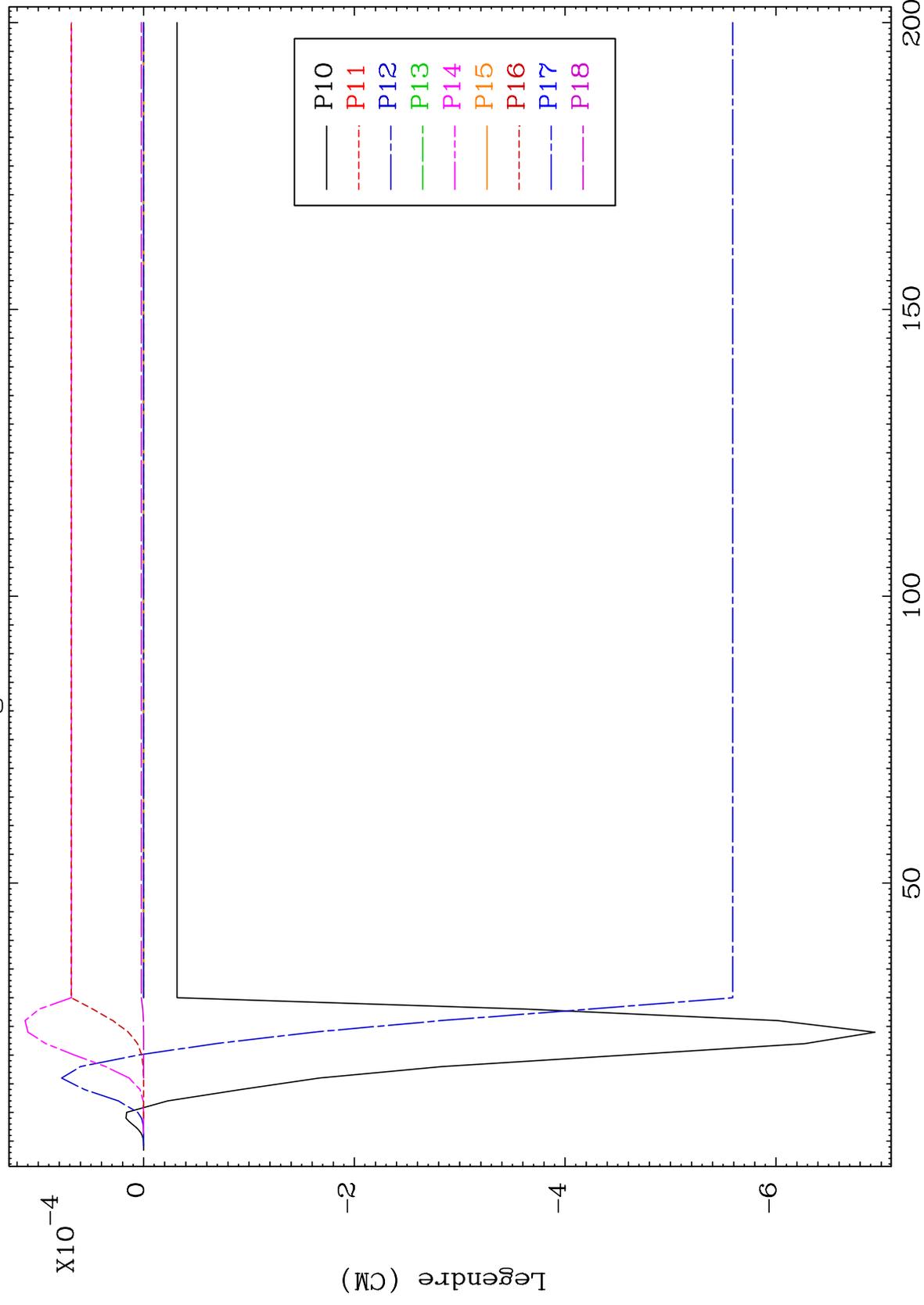
89

50-Sn-116

MAT 5037

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

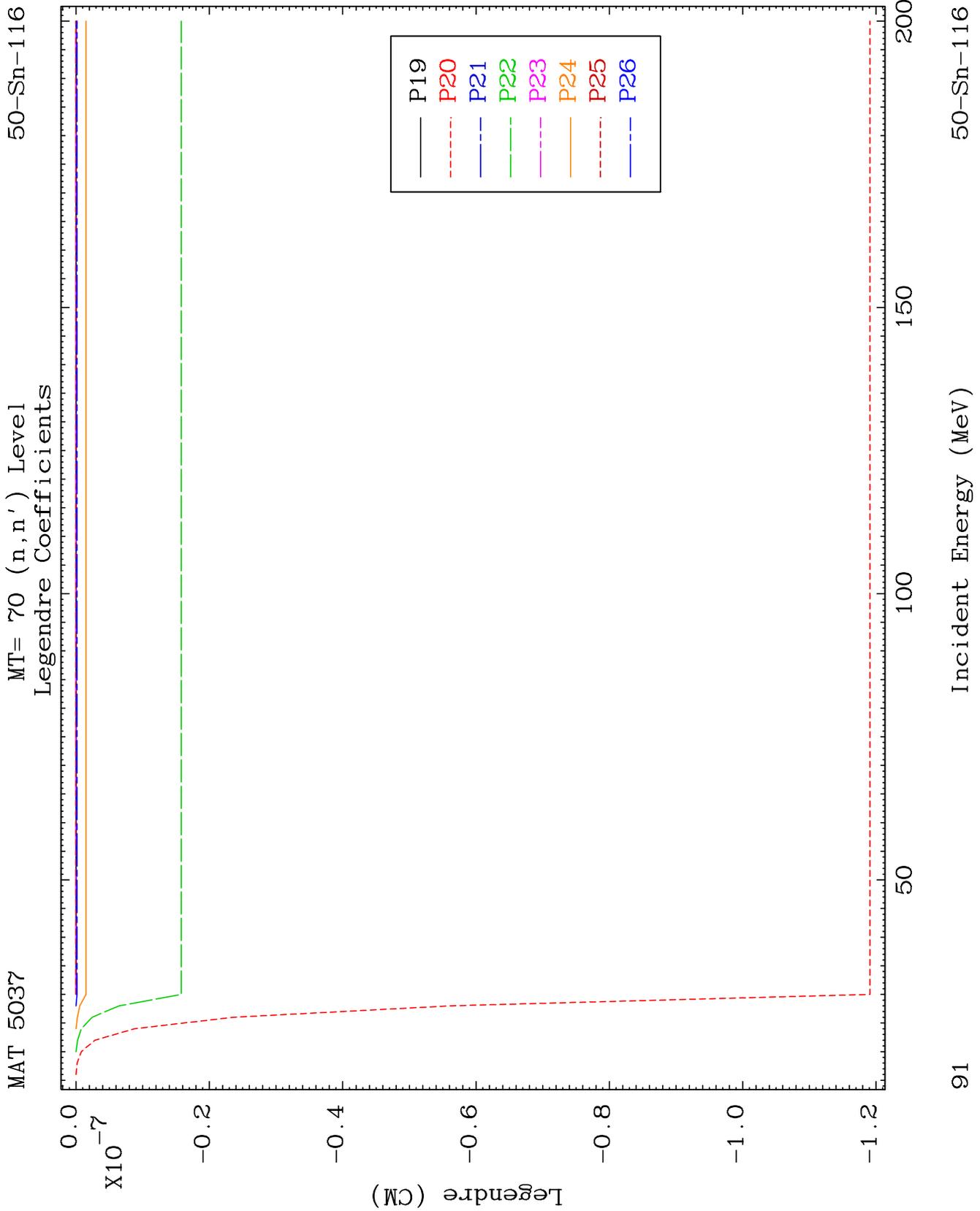
50-Sn-116



90

Incident Energy (MeV)

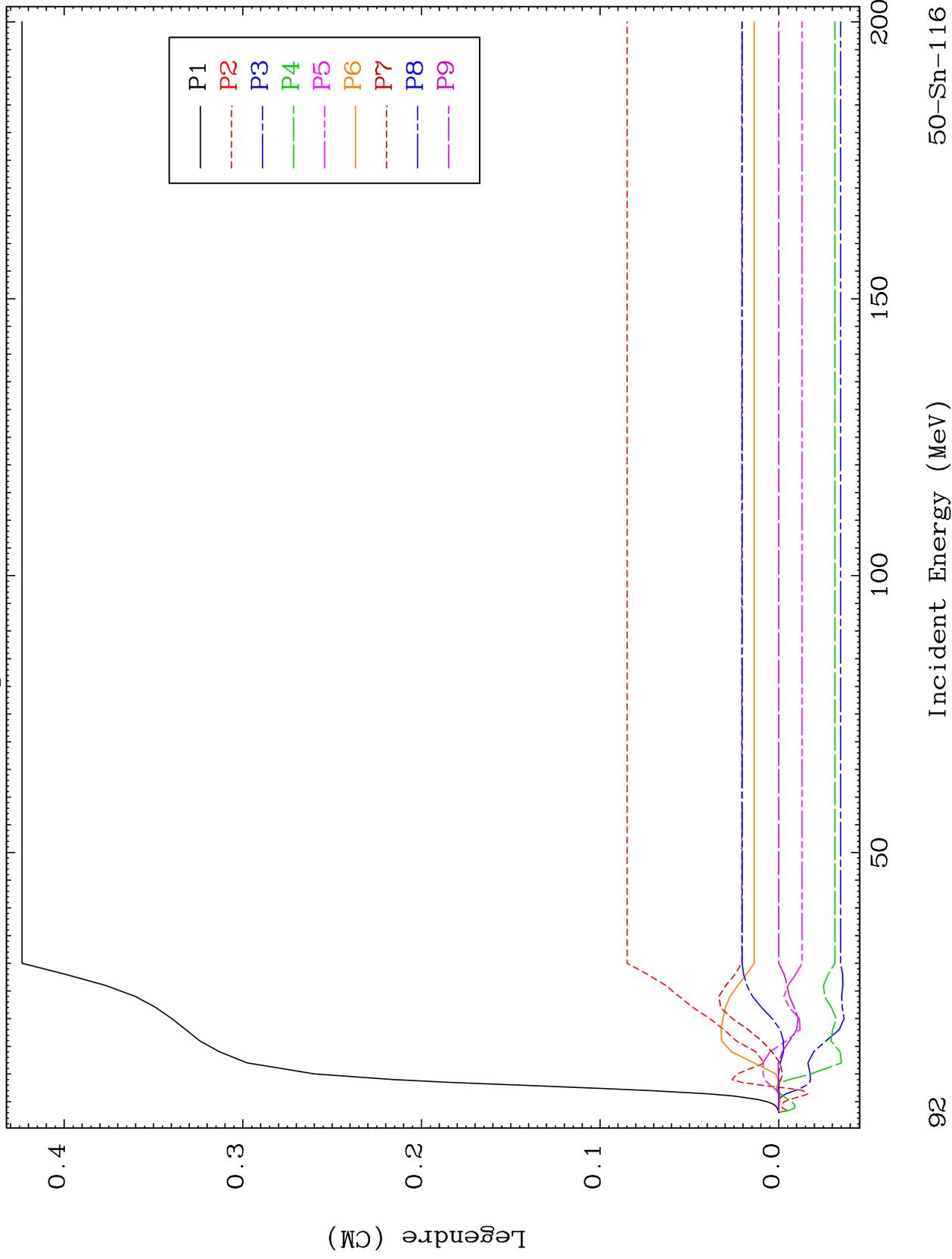
50-Sn-116



MAT 5037

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

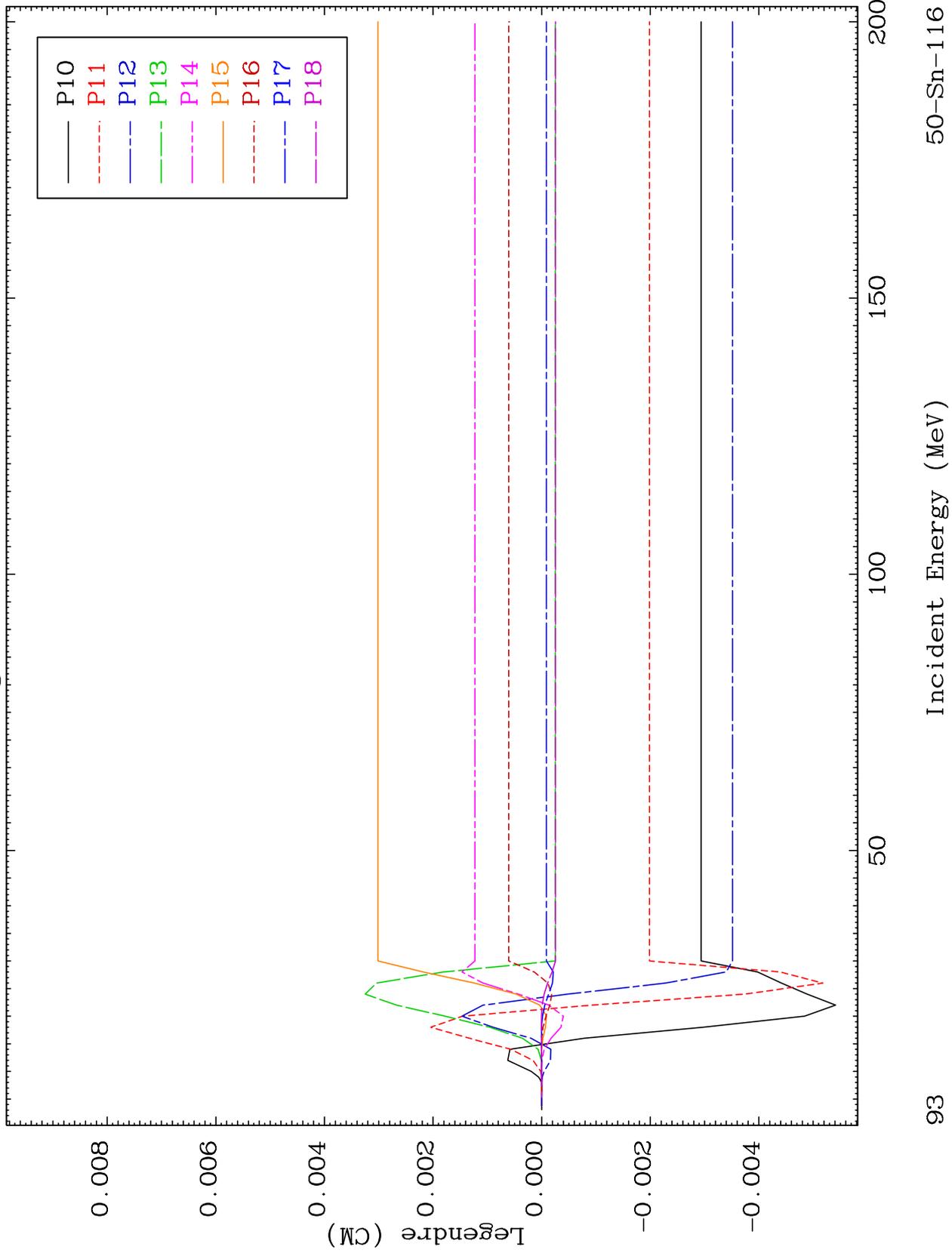
50-Sn-116

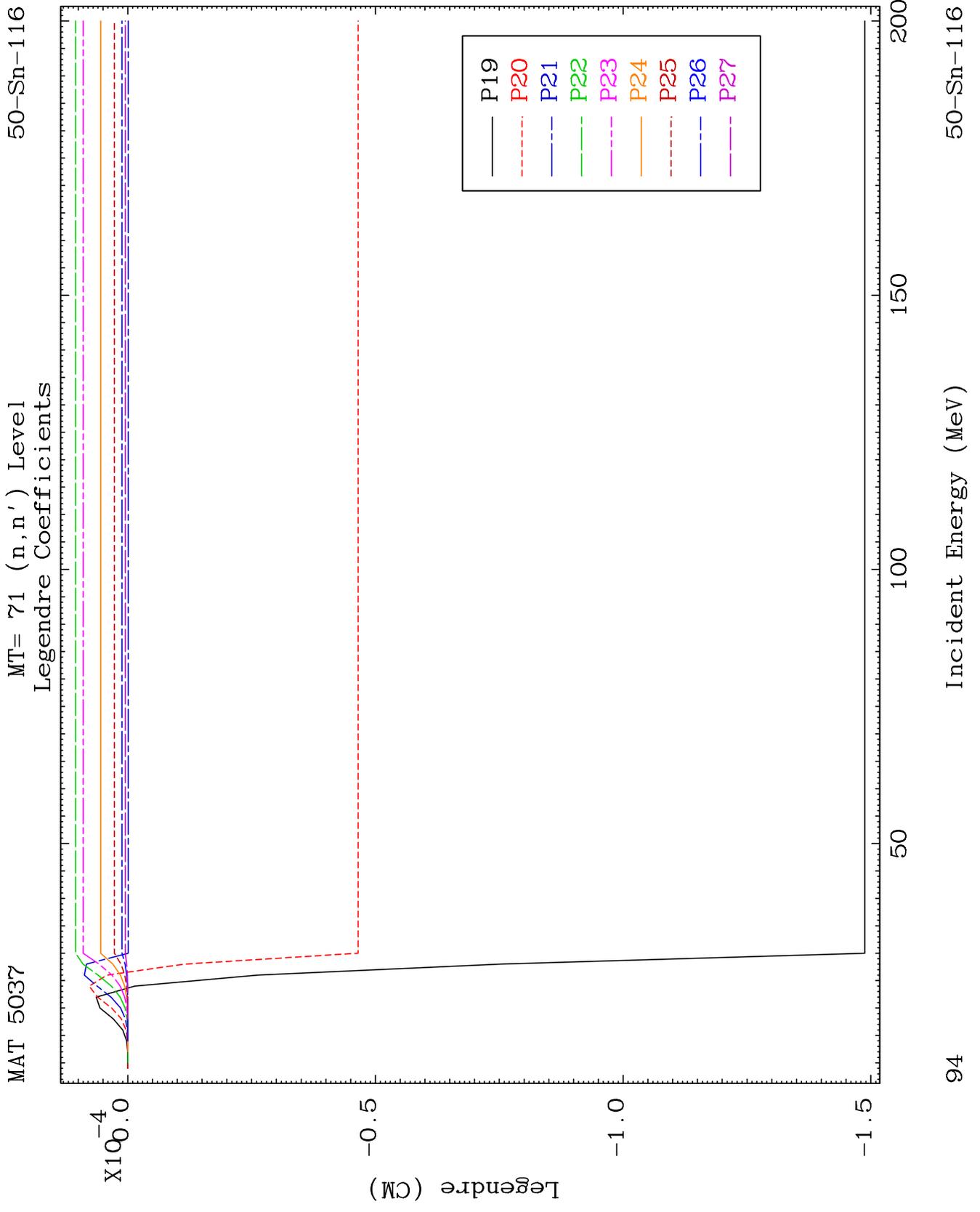


MAT 5037

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

50-Sn-116

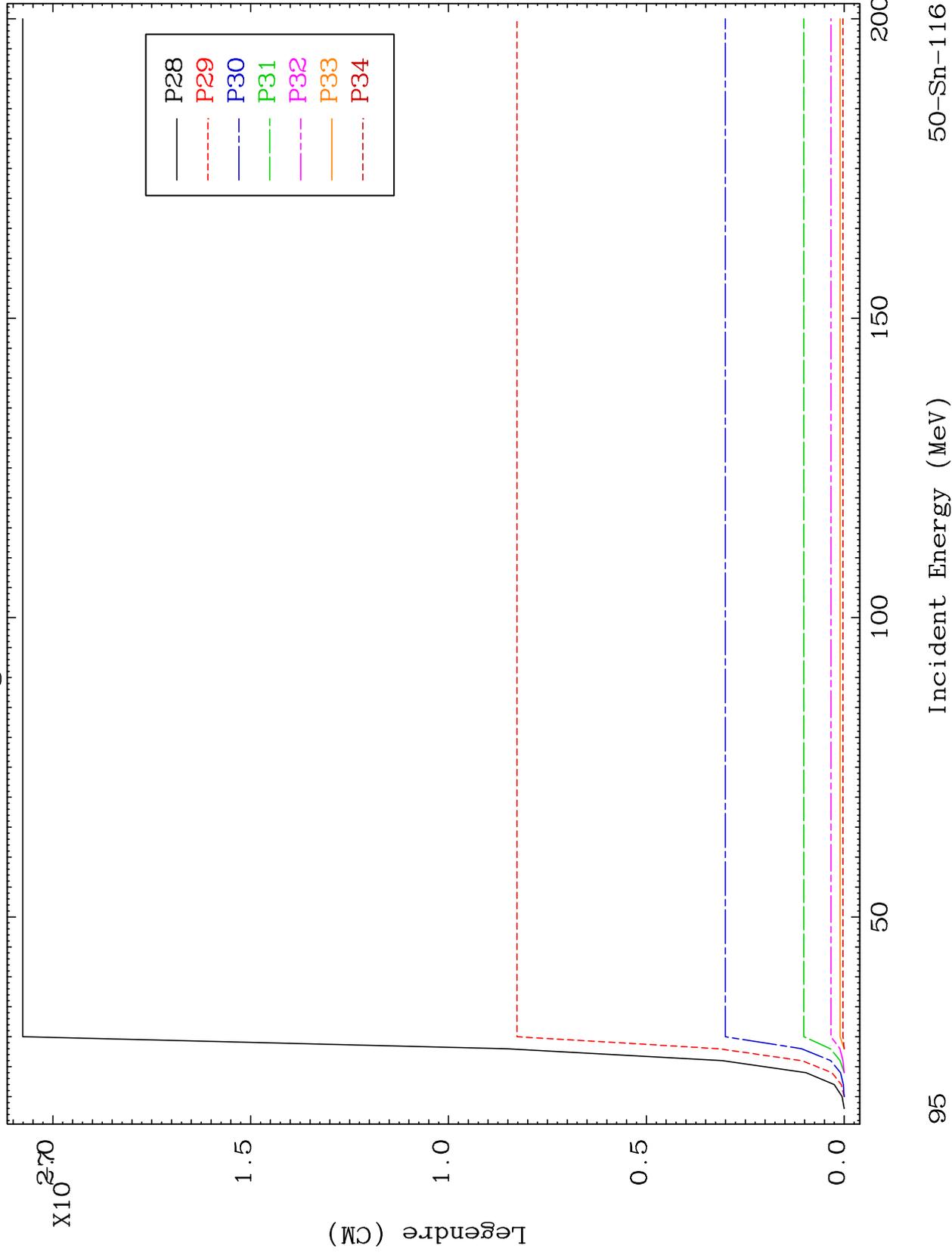




MAT 5037

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

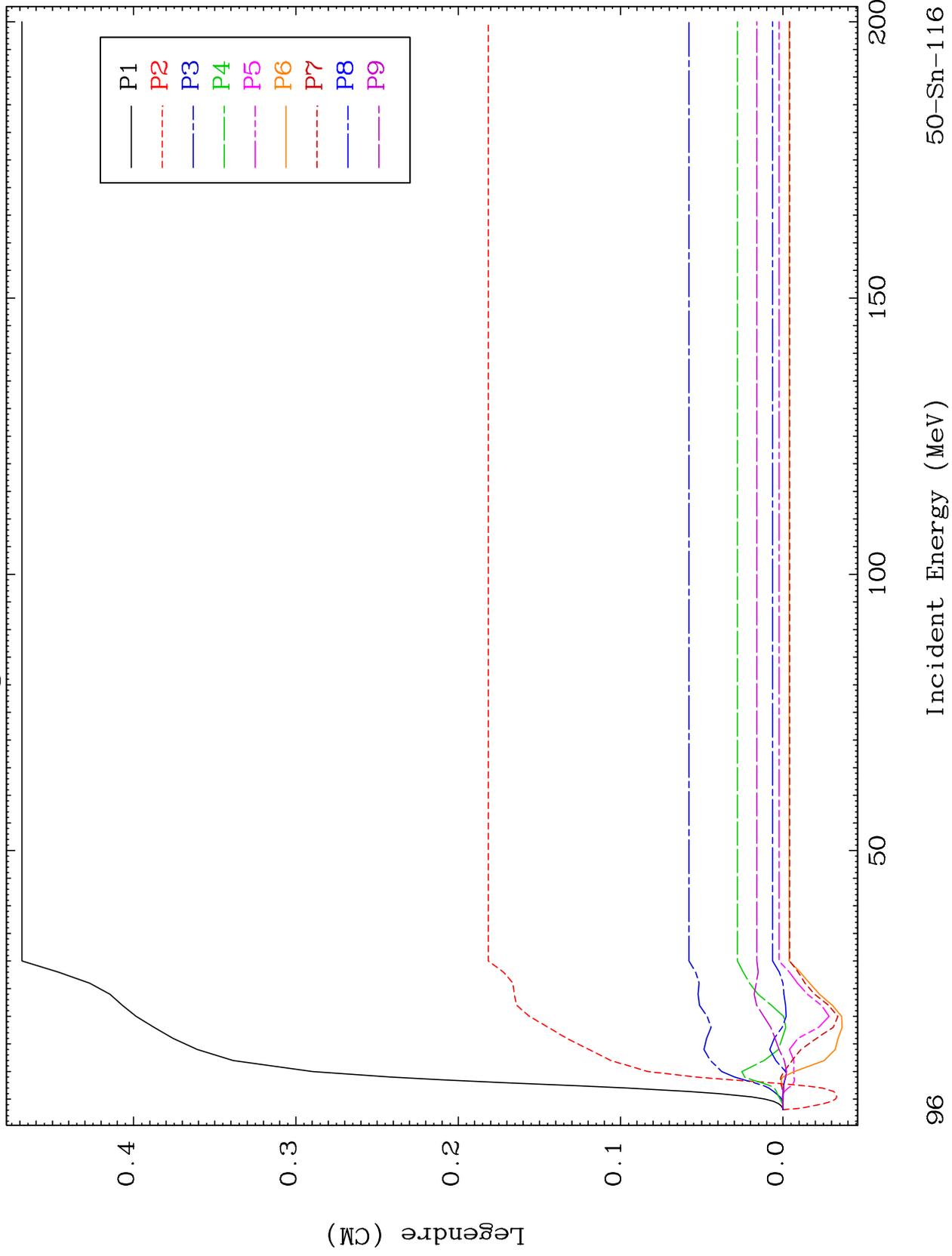
50-Sn-116



MAT 5037

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

50-Sn-116



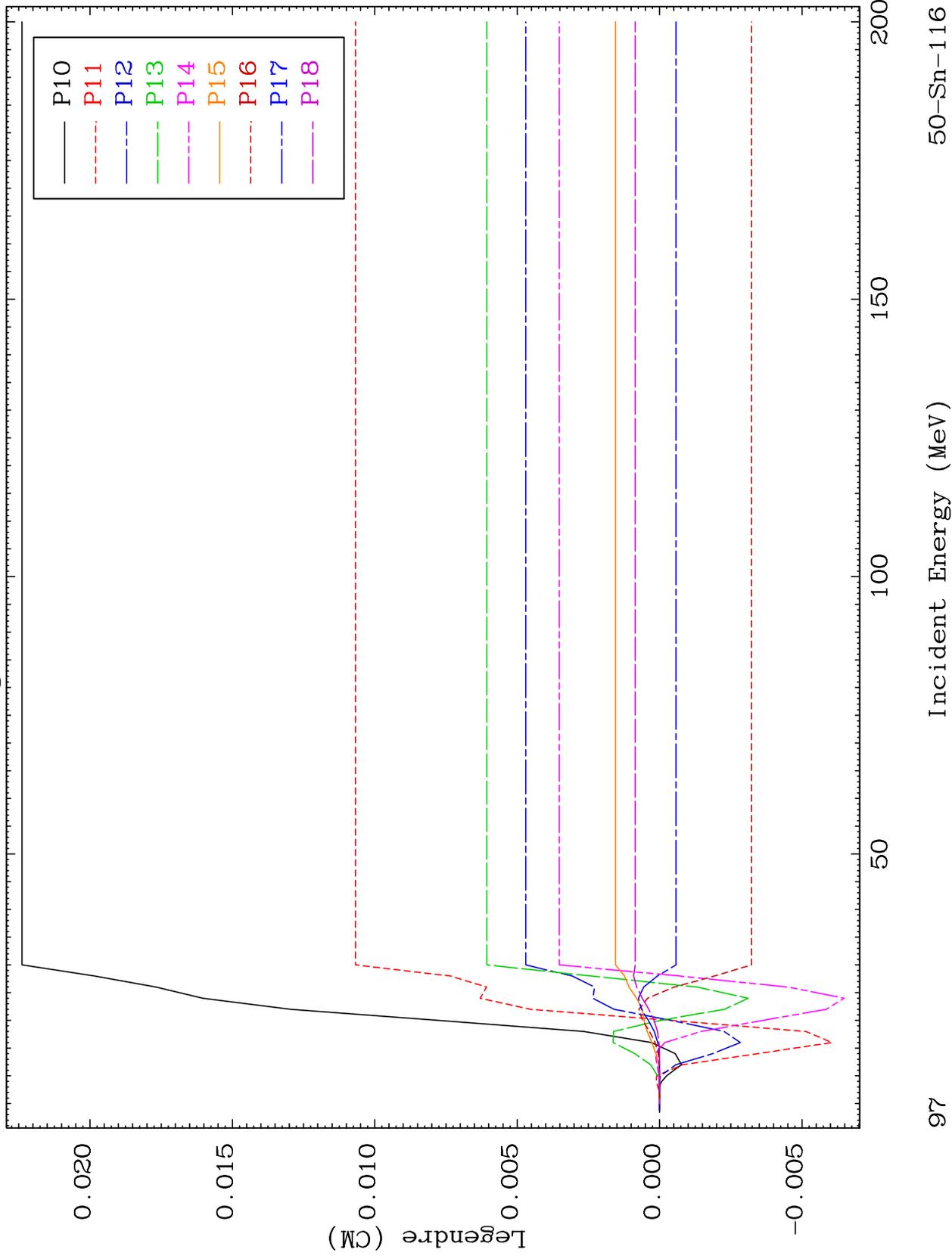
96

50-Sn-116

MAT 5037

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

50-Sn-116



97

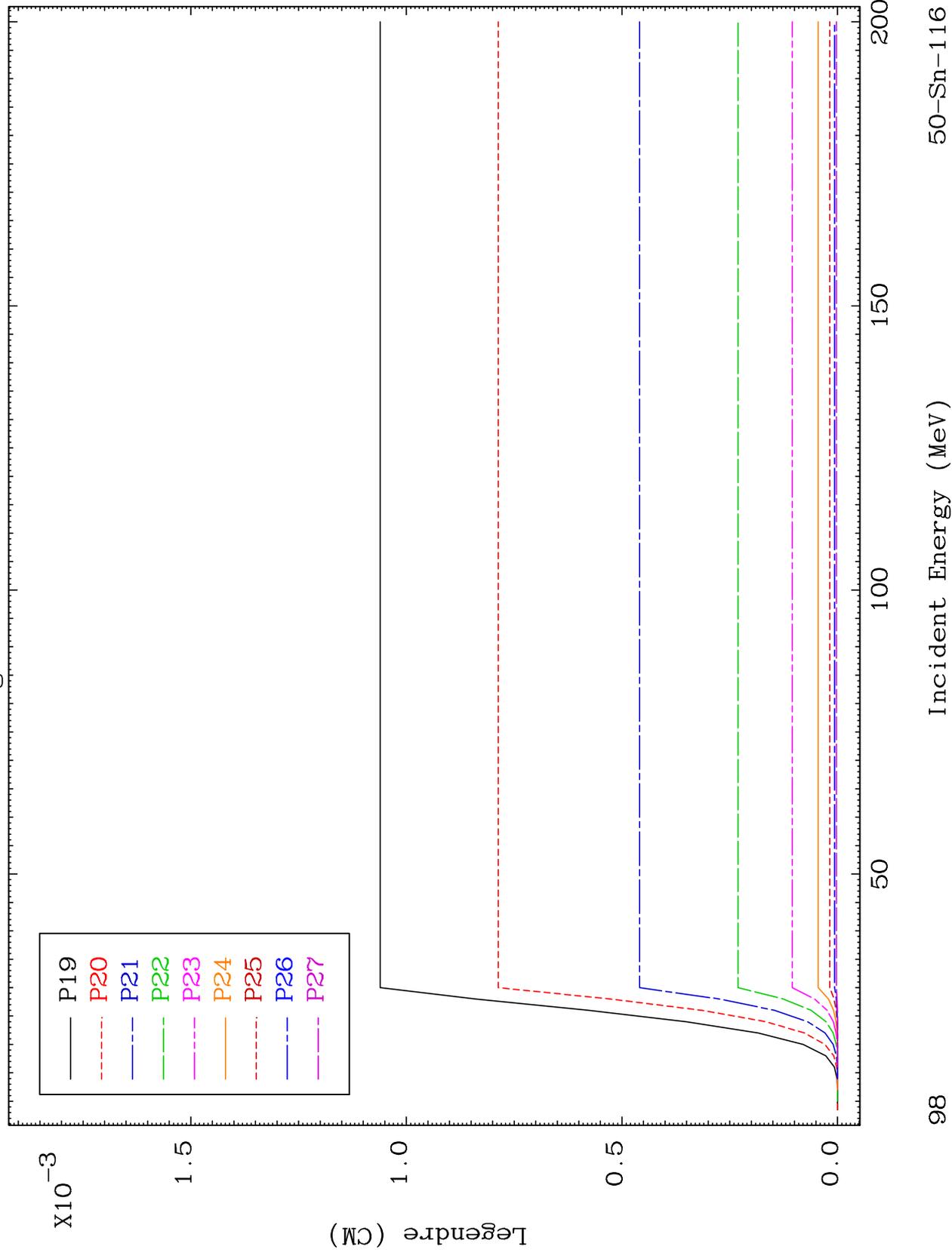
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



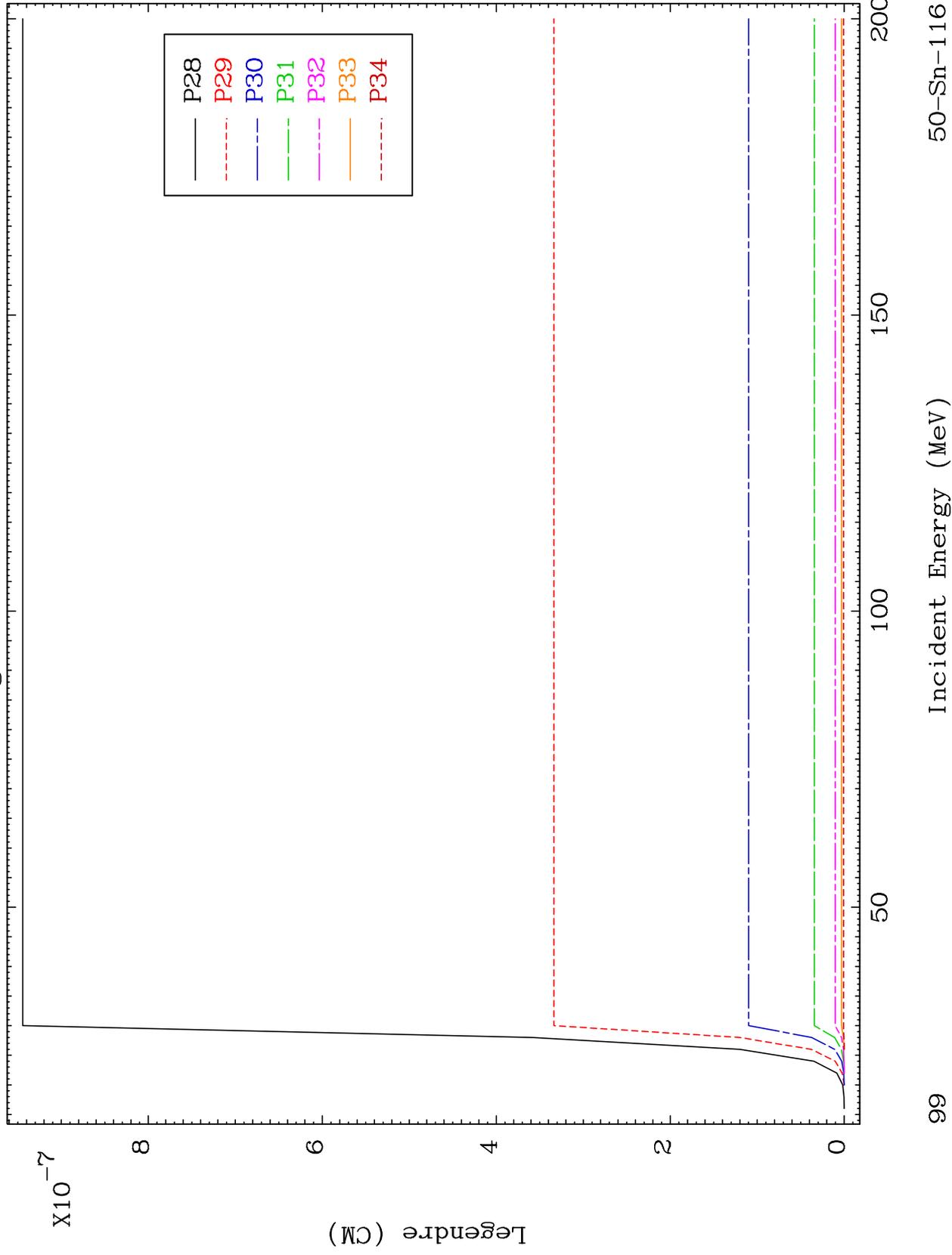
98

50-Sn-116

MAT 5037

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

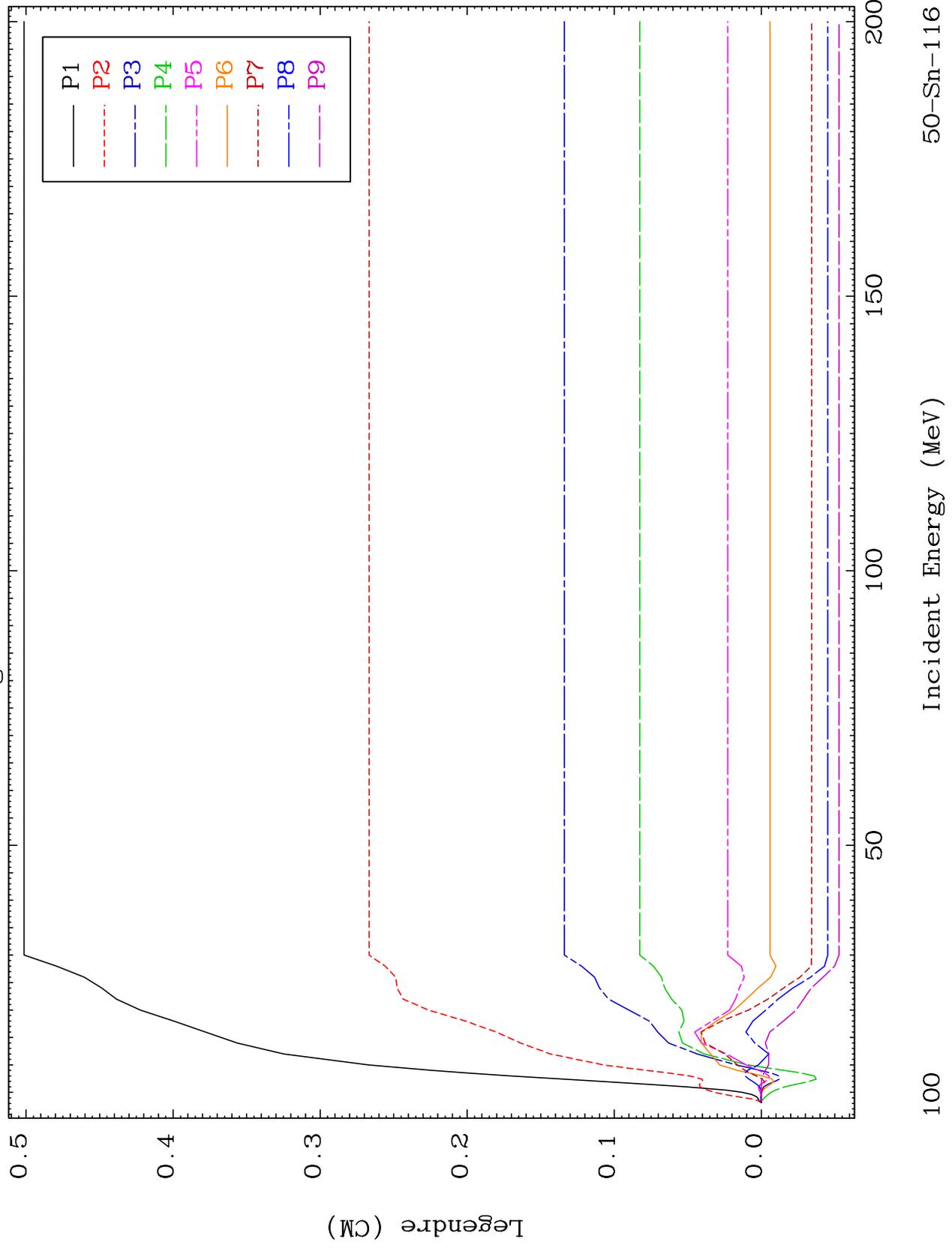
50-Sn-116

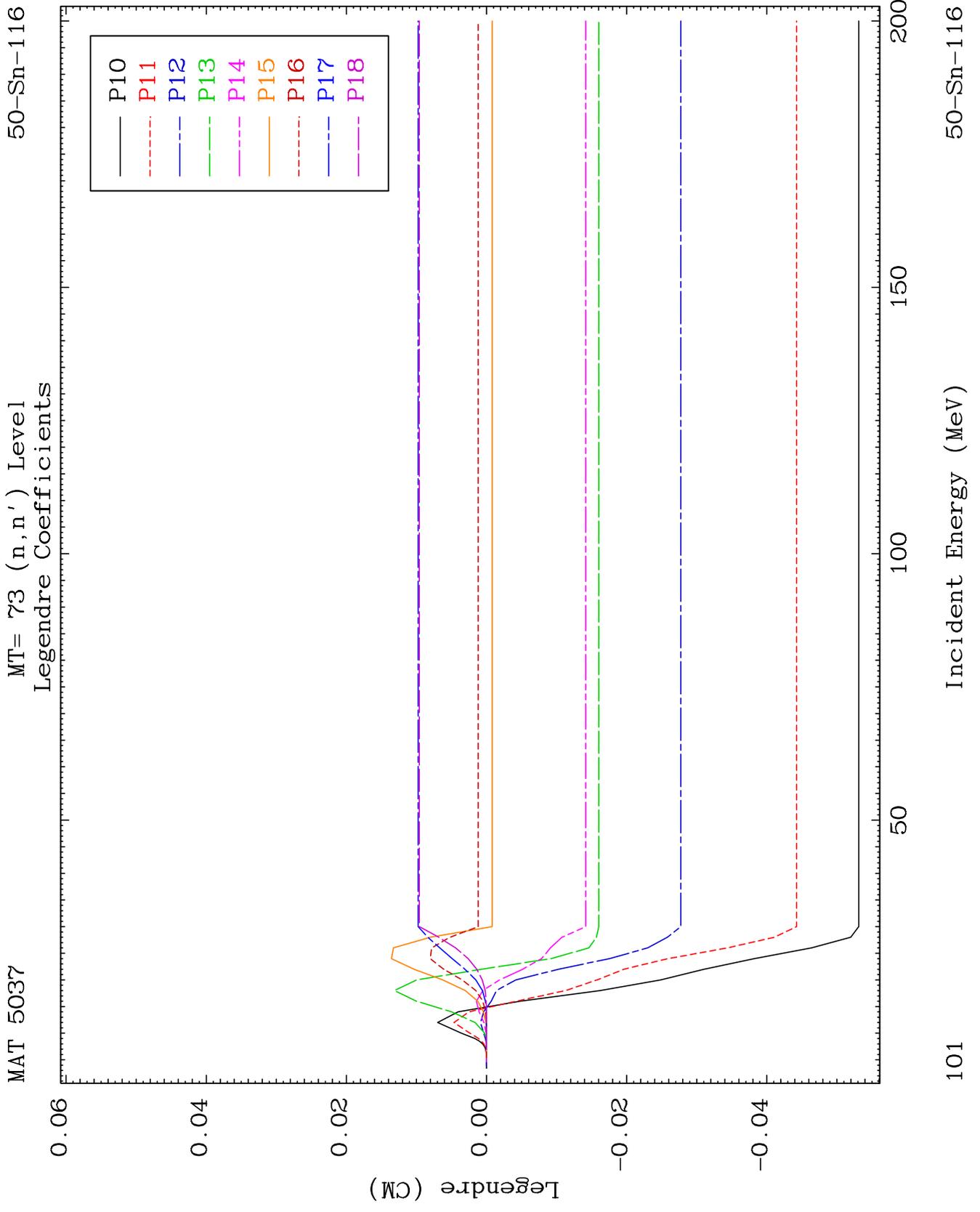


MAT 5037

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

50-Sn-116

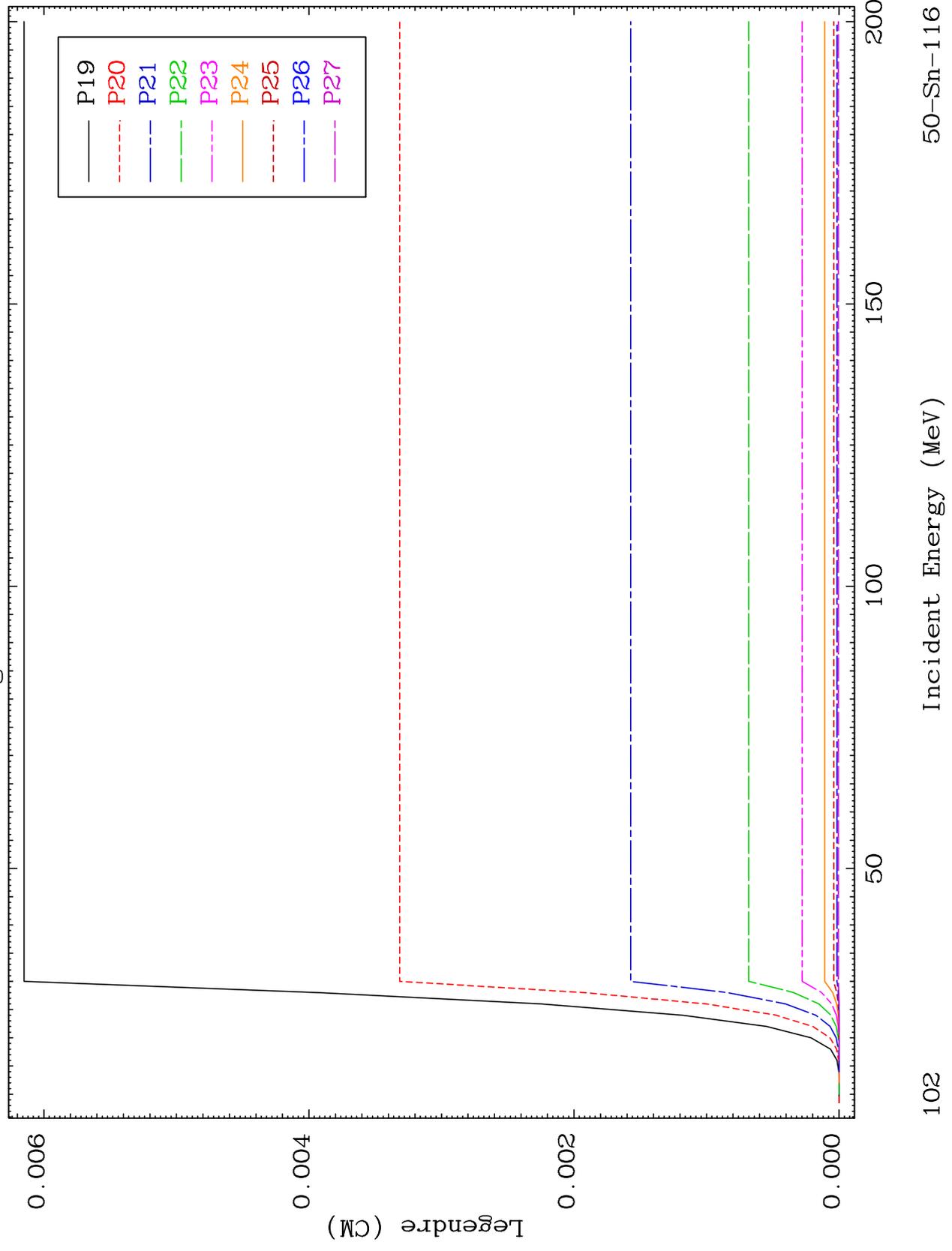




MAT 5037

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

50-Sn-116



102

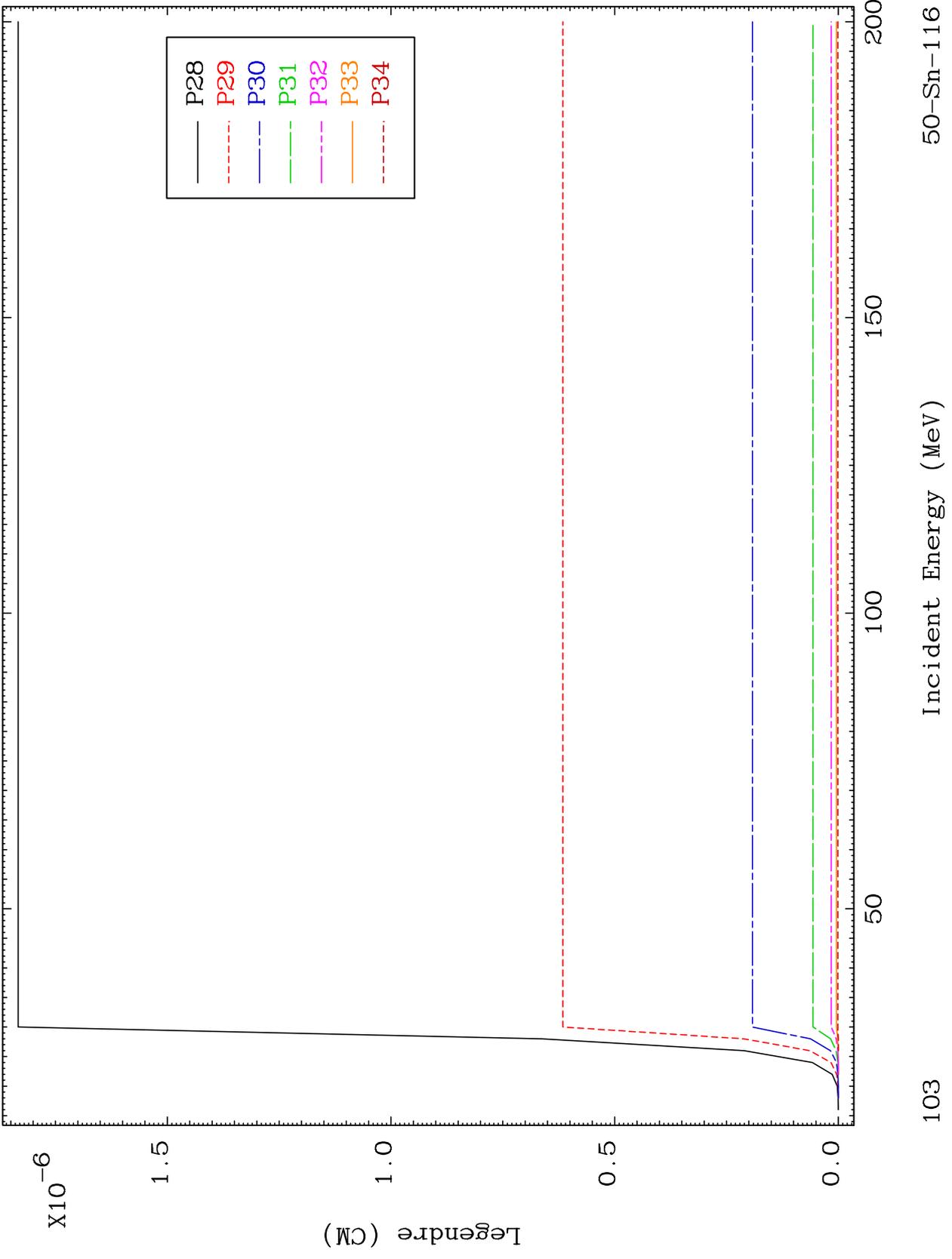
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

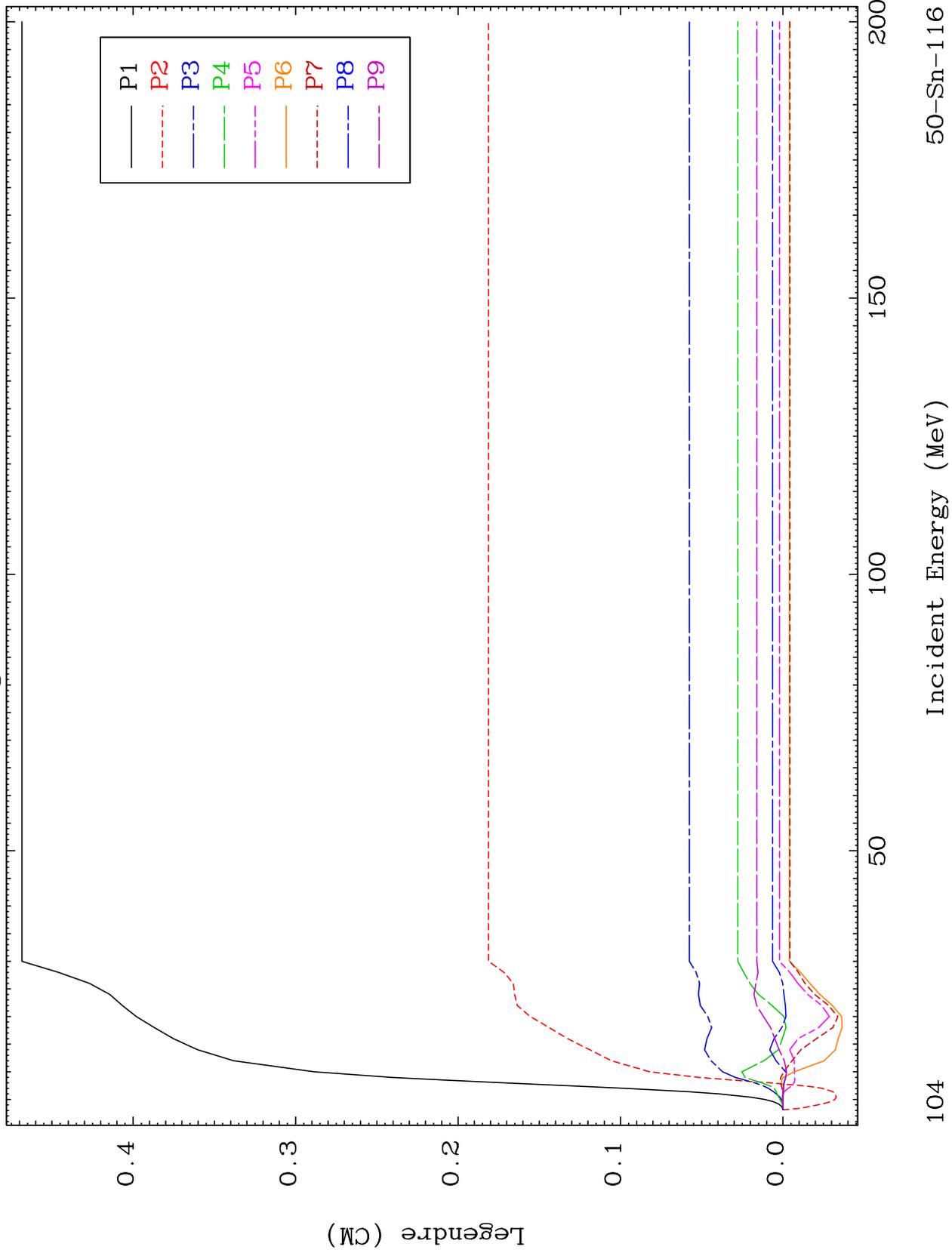
50-Sn-116



MAT 5037

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

50-Sn-116



104

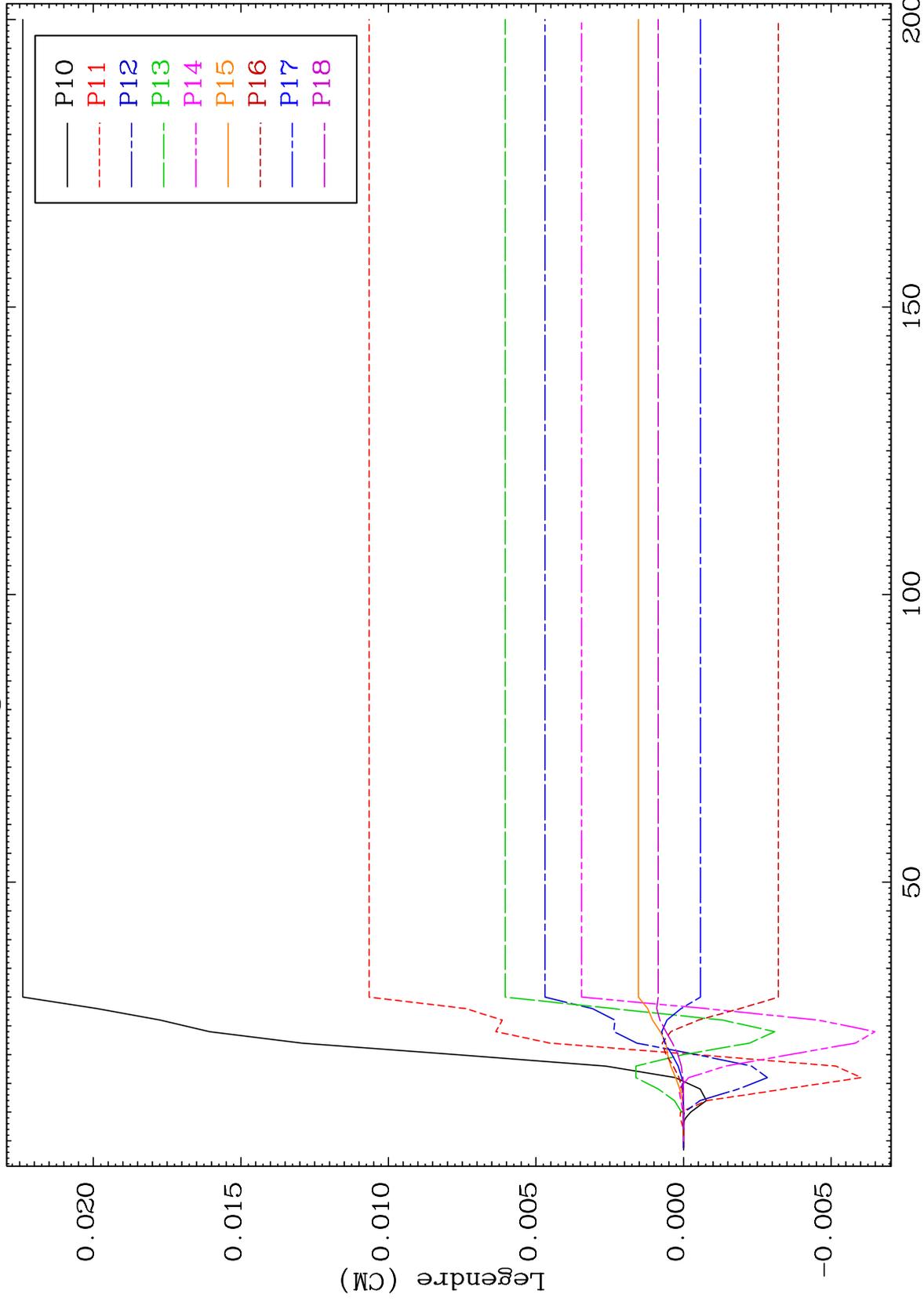
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



105

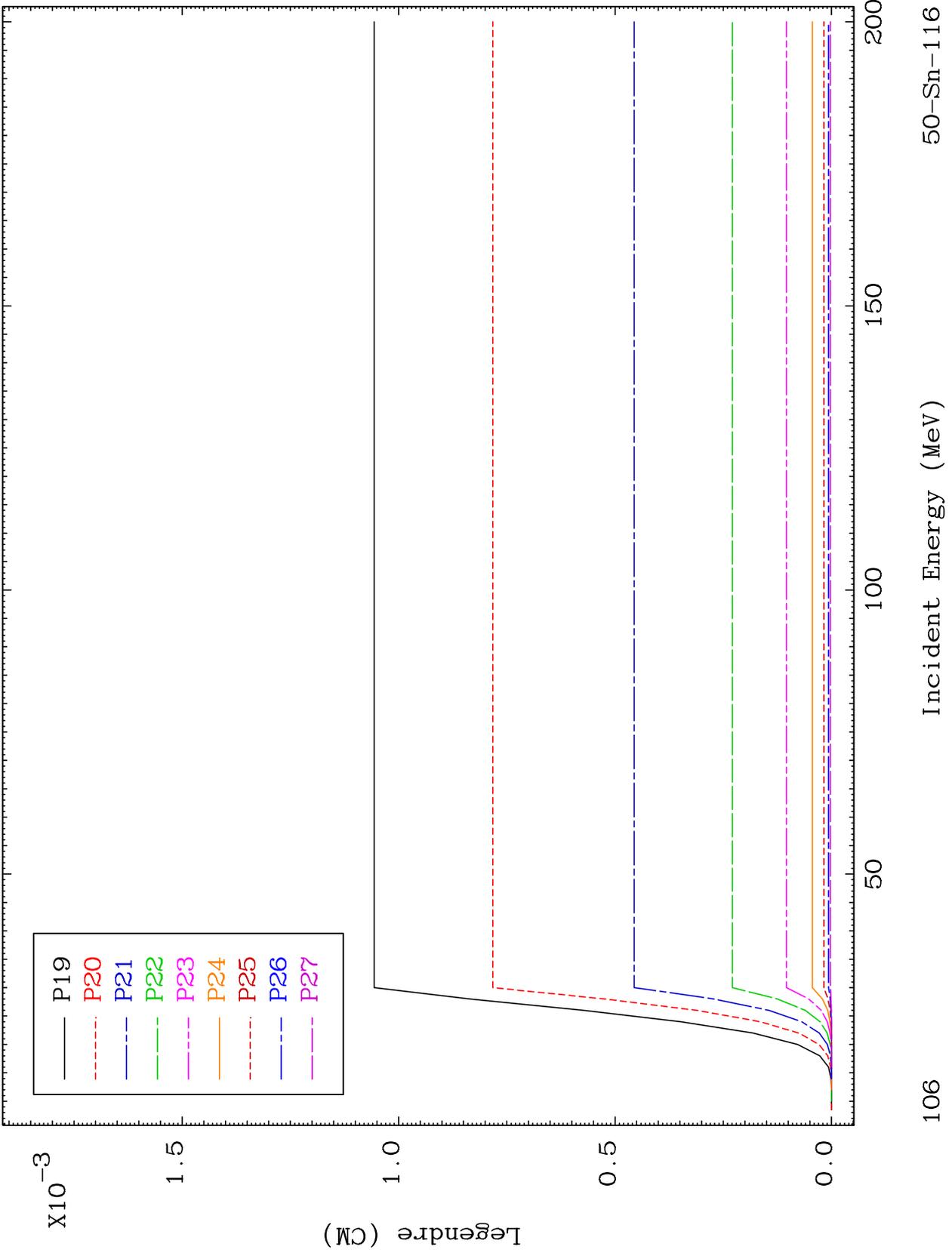
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



106

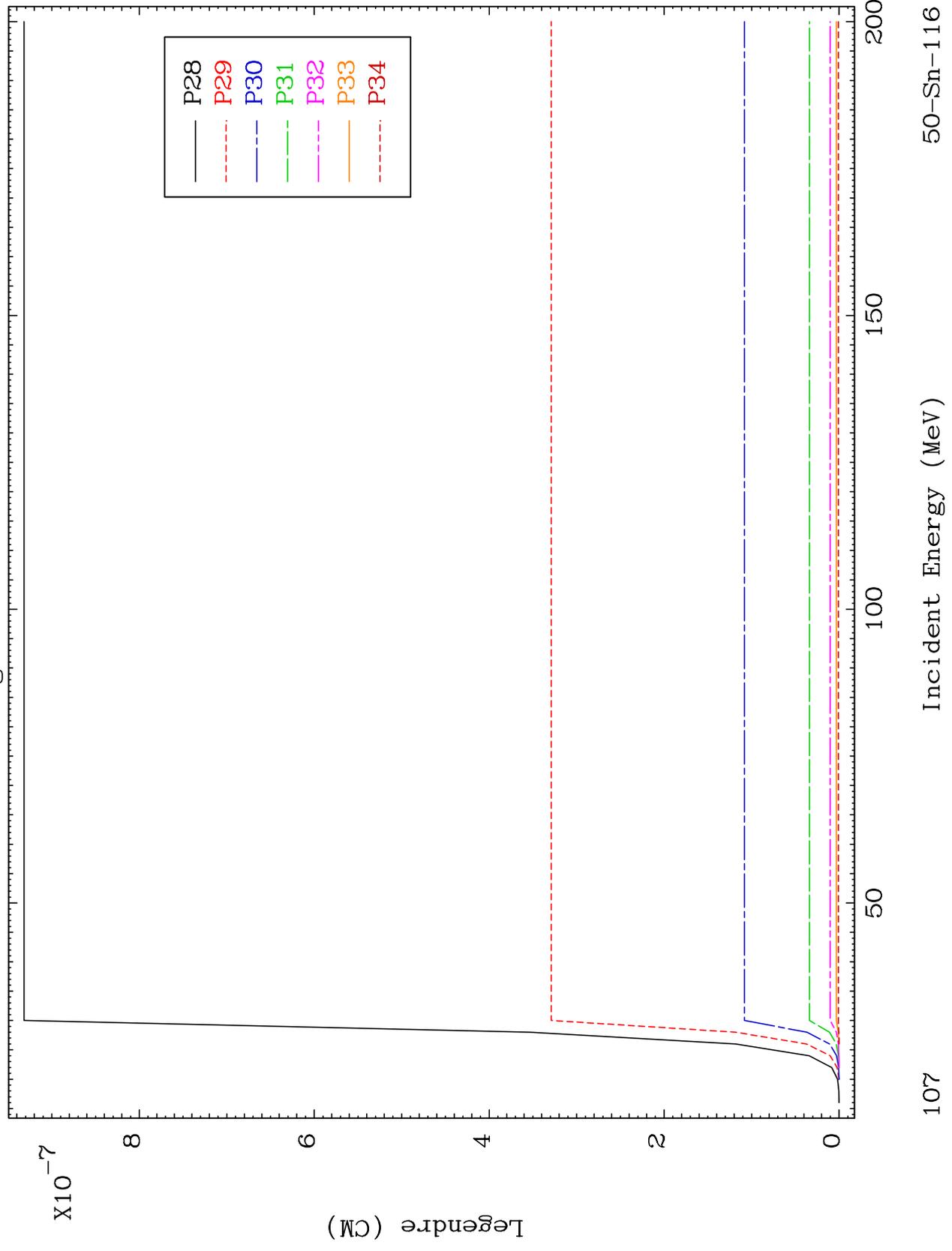
Incident Energy (MeV)

50-Sn-116

MAT 5037

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

50-Sn-116



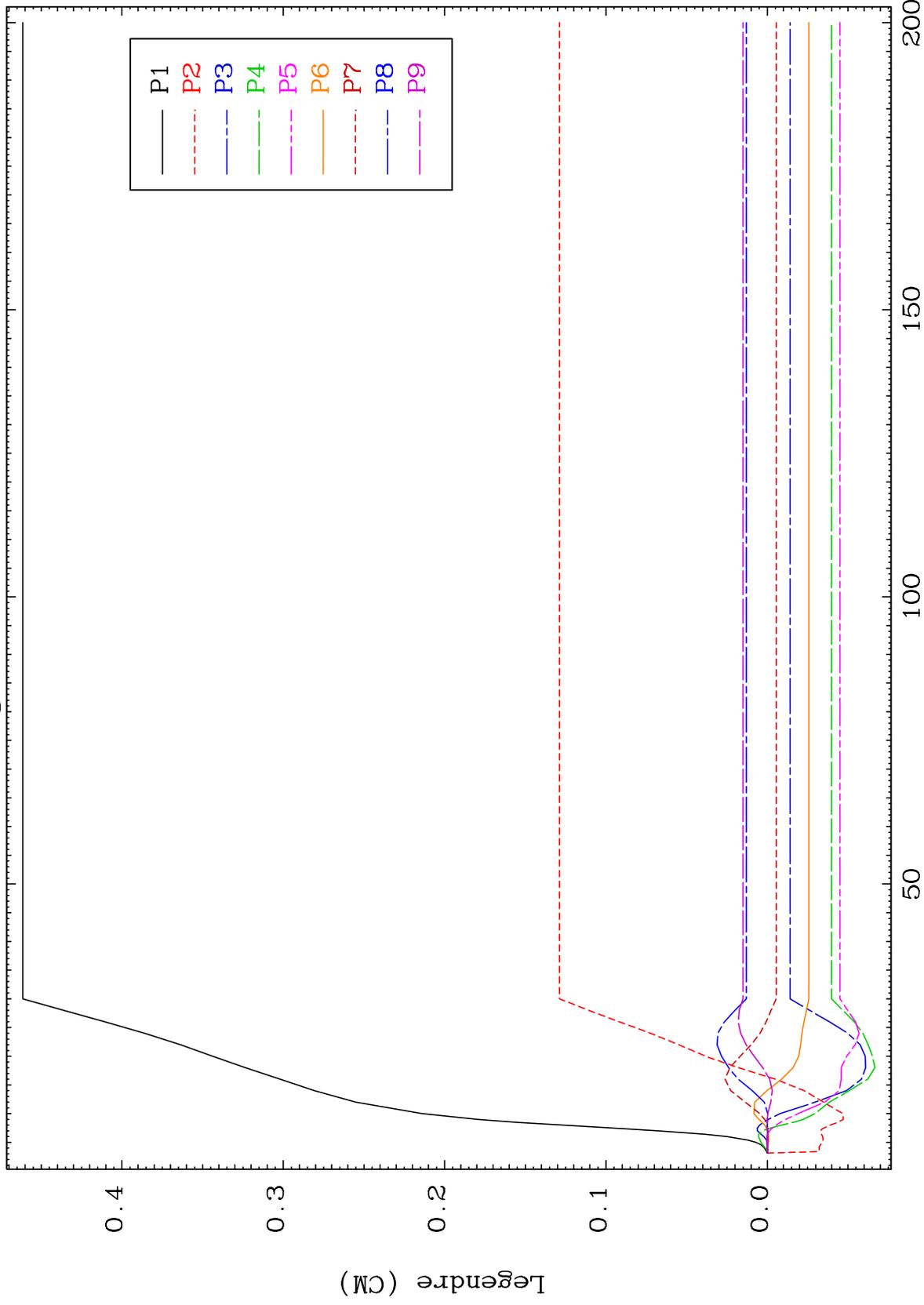
107

50-Sn-116

MAT 5037

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

50-Sn-116



108

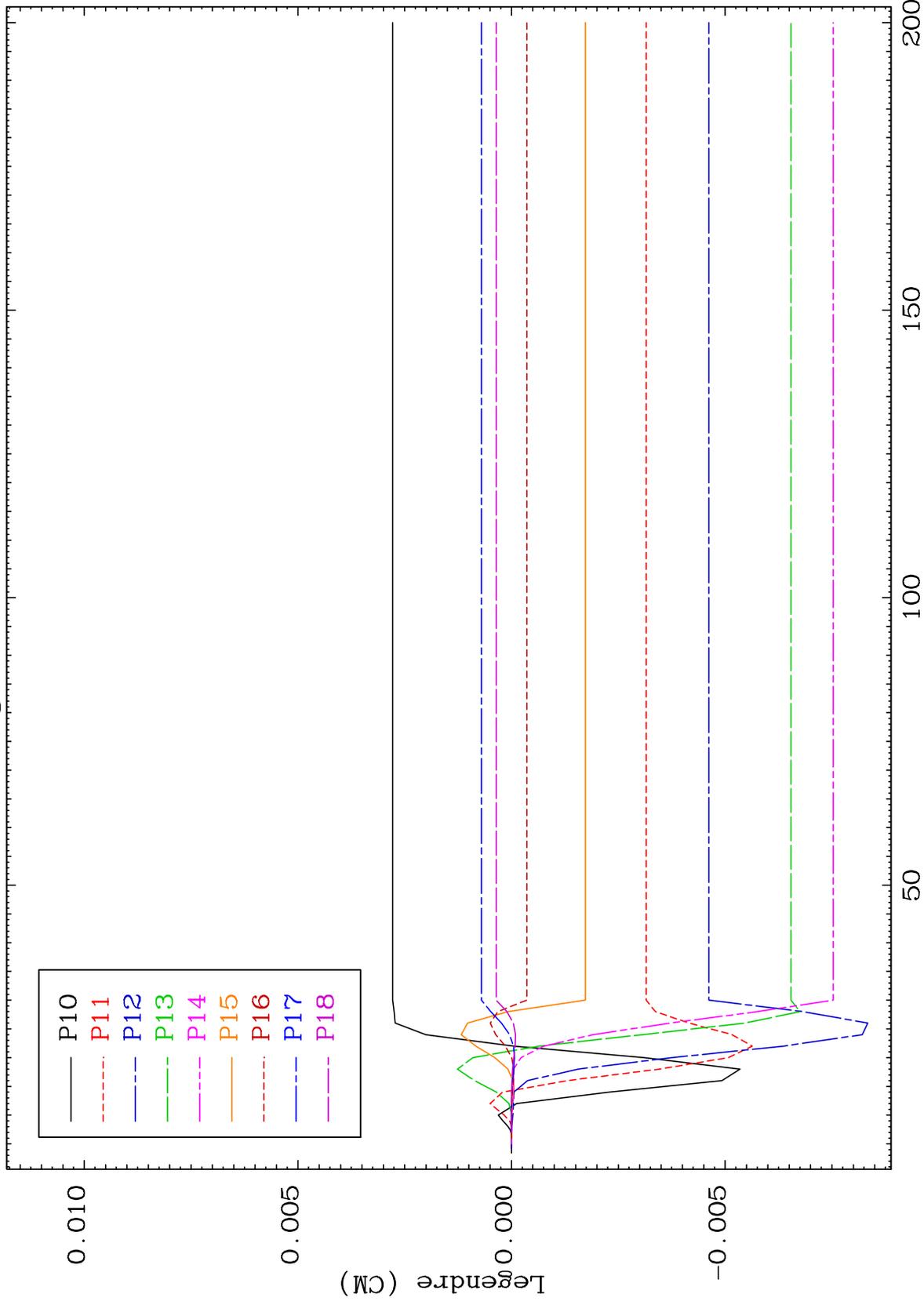
Incident Energy (MeV)

50-Sn-116

MAT 5037

50-Sn-116

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



109

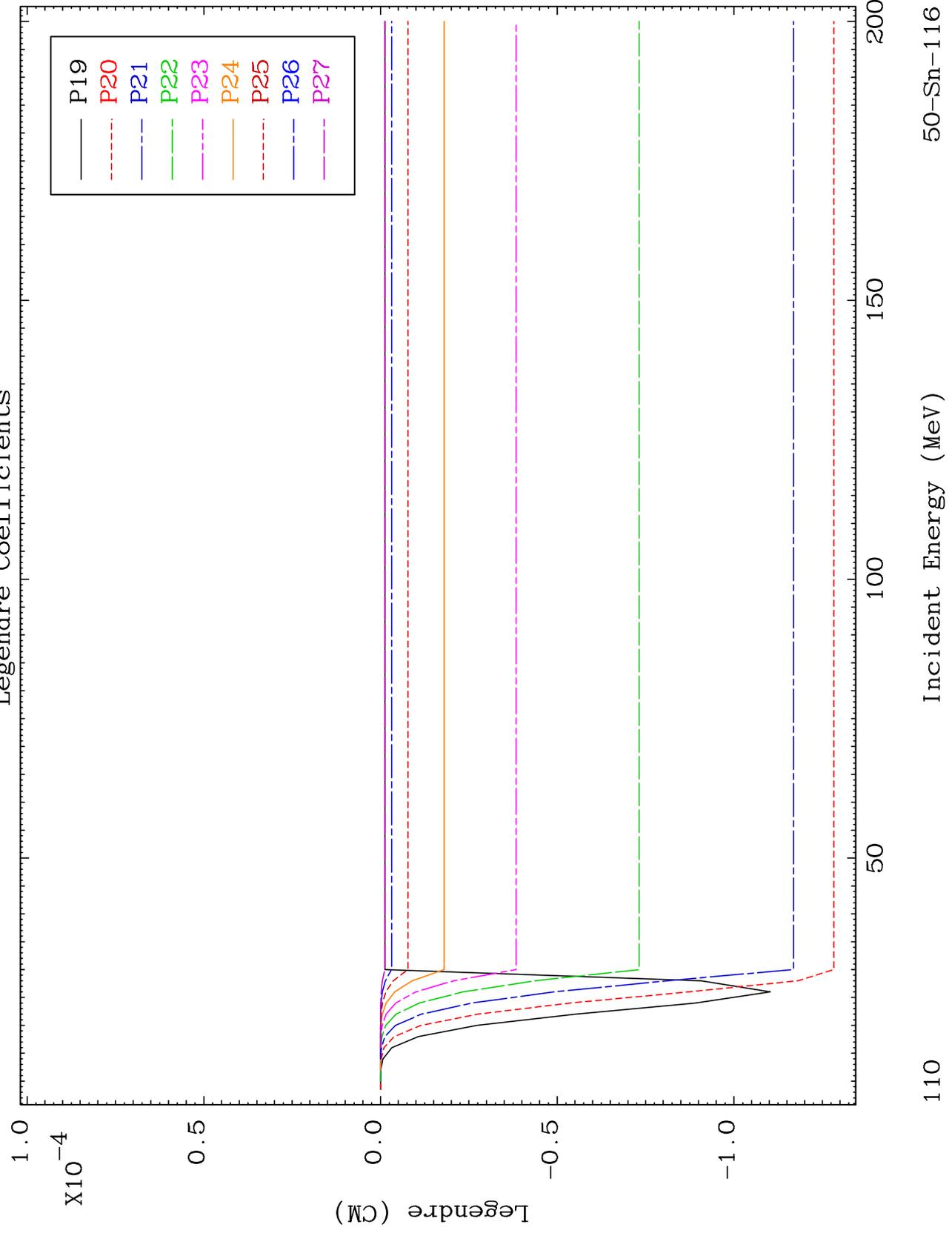
50-Sn-116

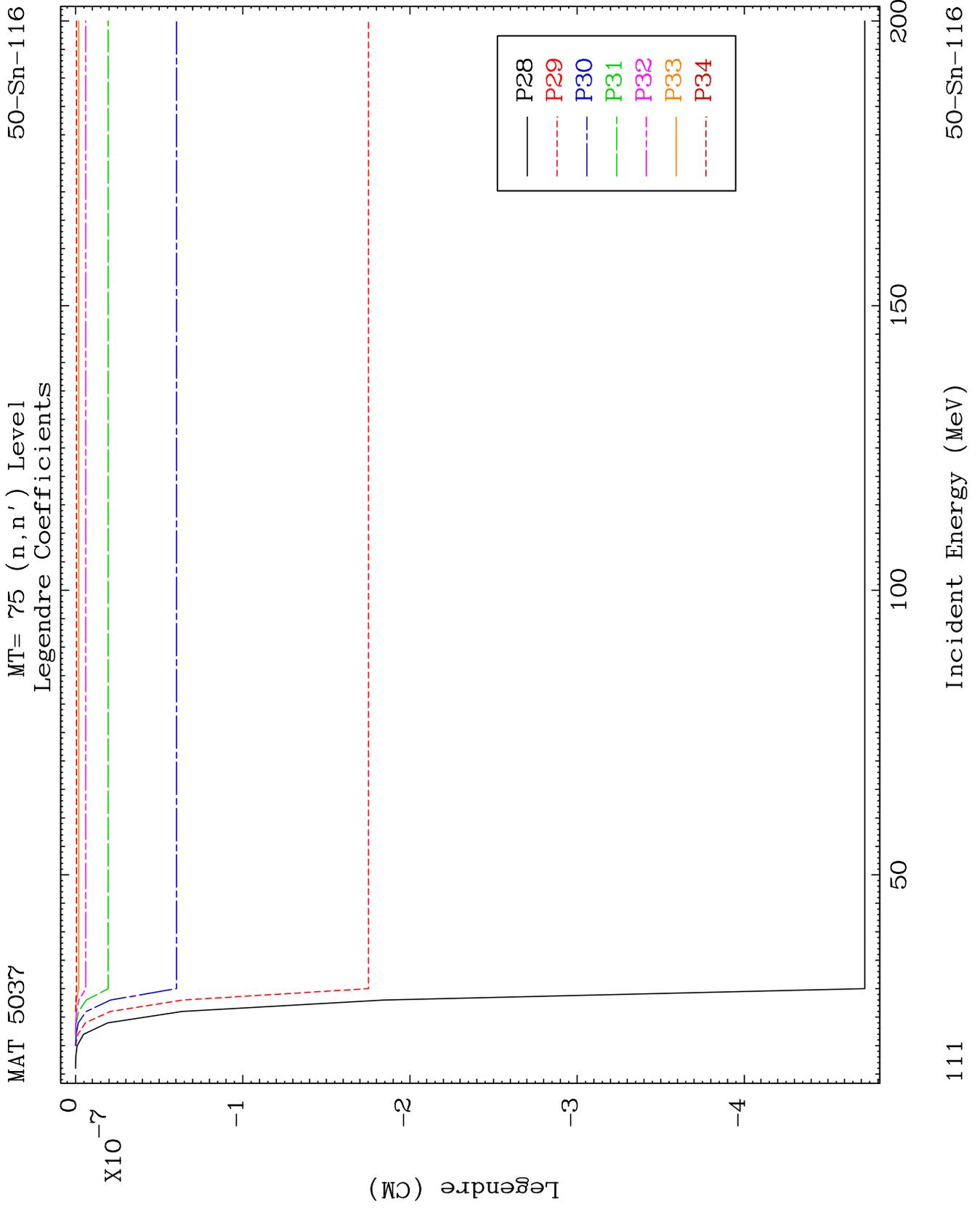
Incident Energy (MeV)

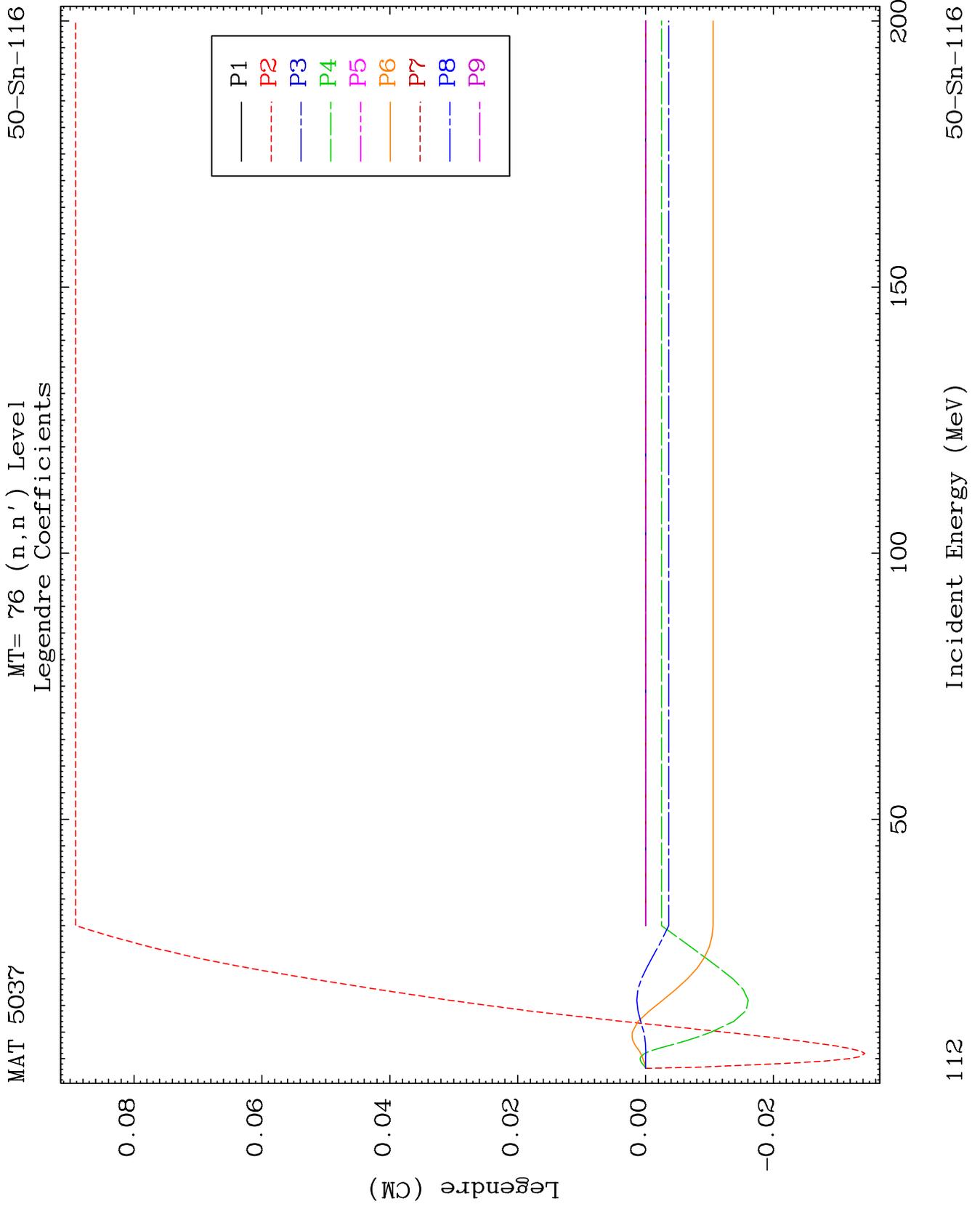
MAT 5037

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

50-Sn-116



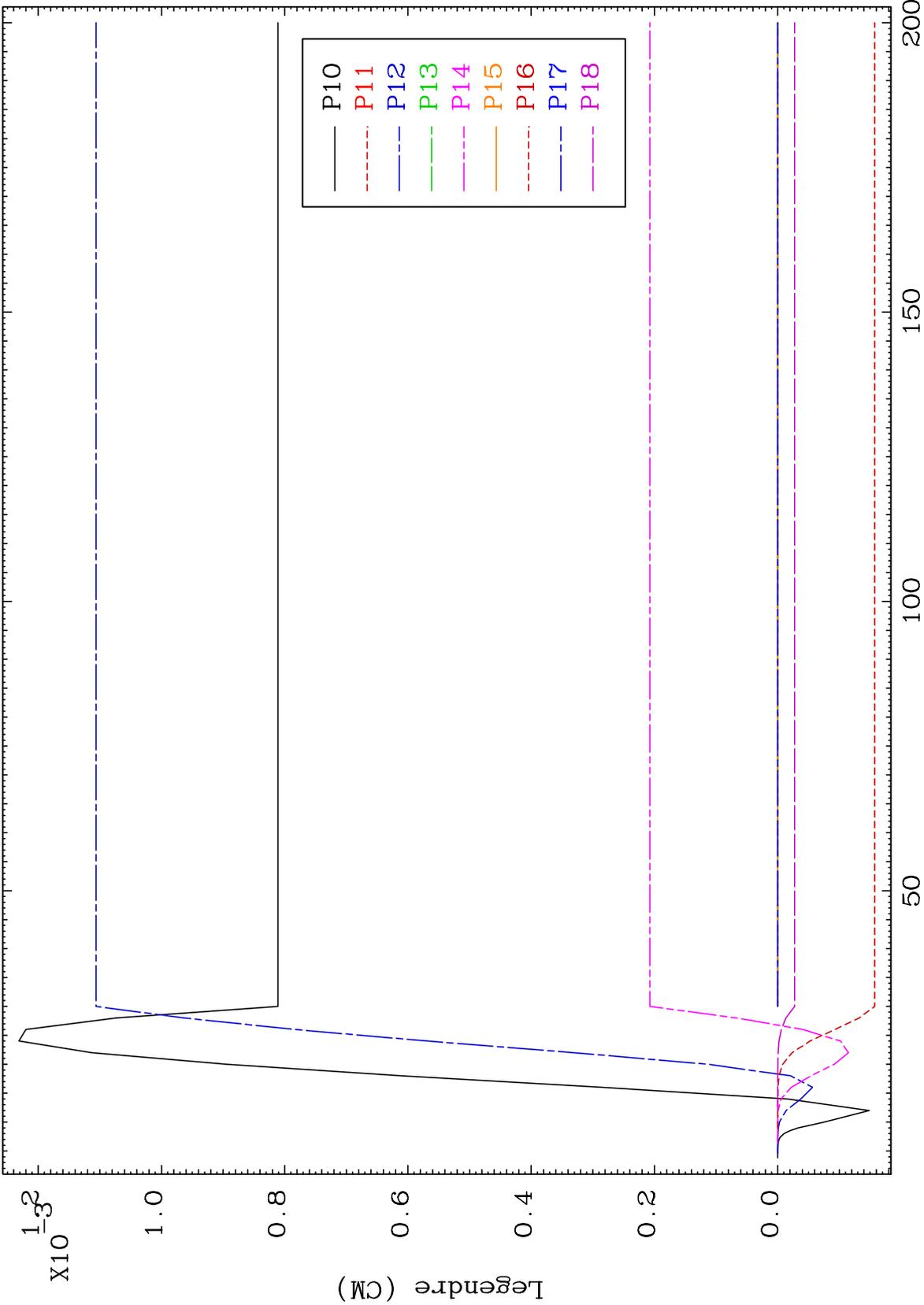




MAT 5037

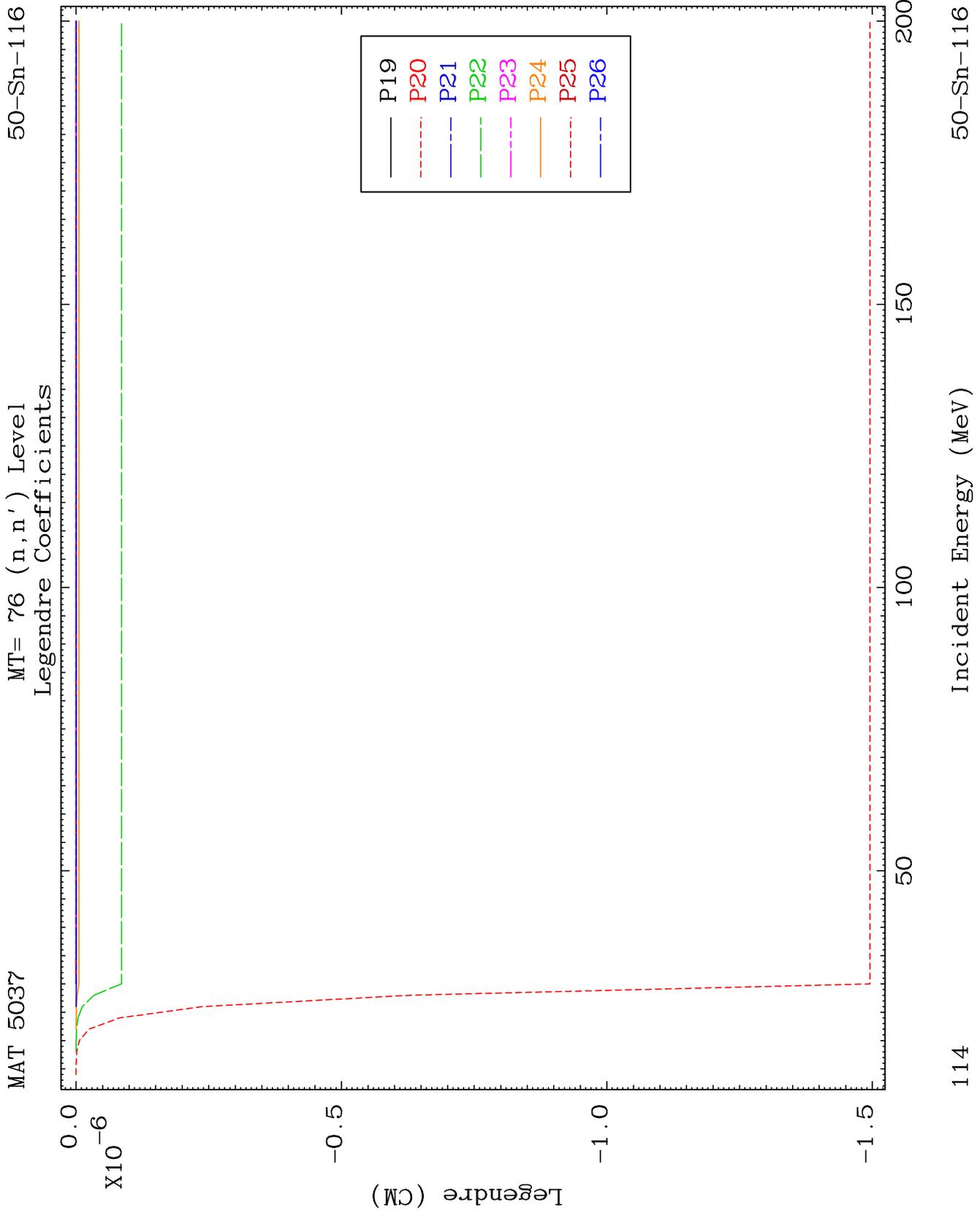
MT= 76 (n,n') Level
Legendre Coefficients

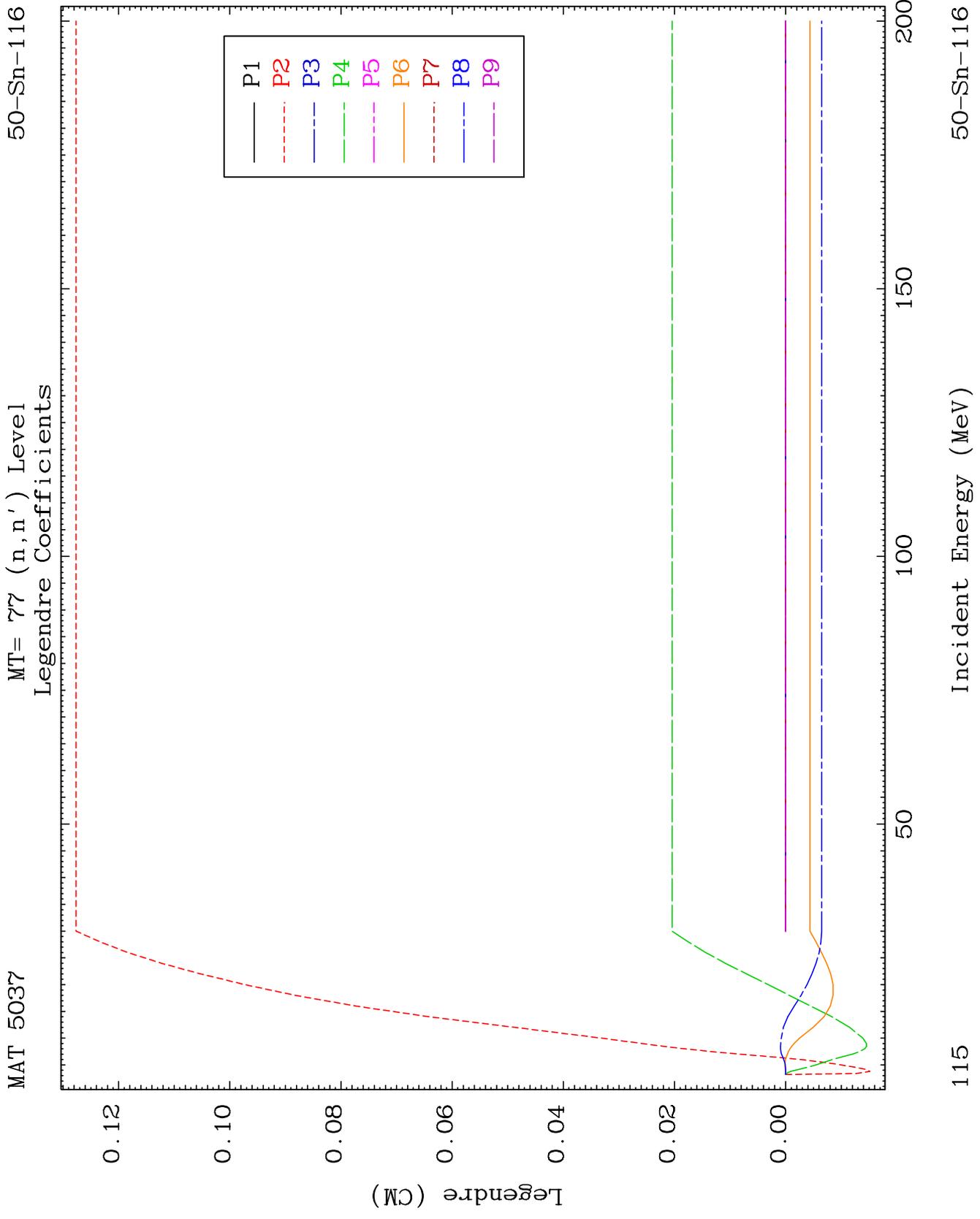
50-Sn-116



113

50-Sn-116

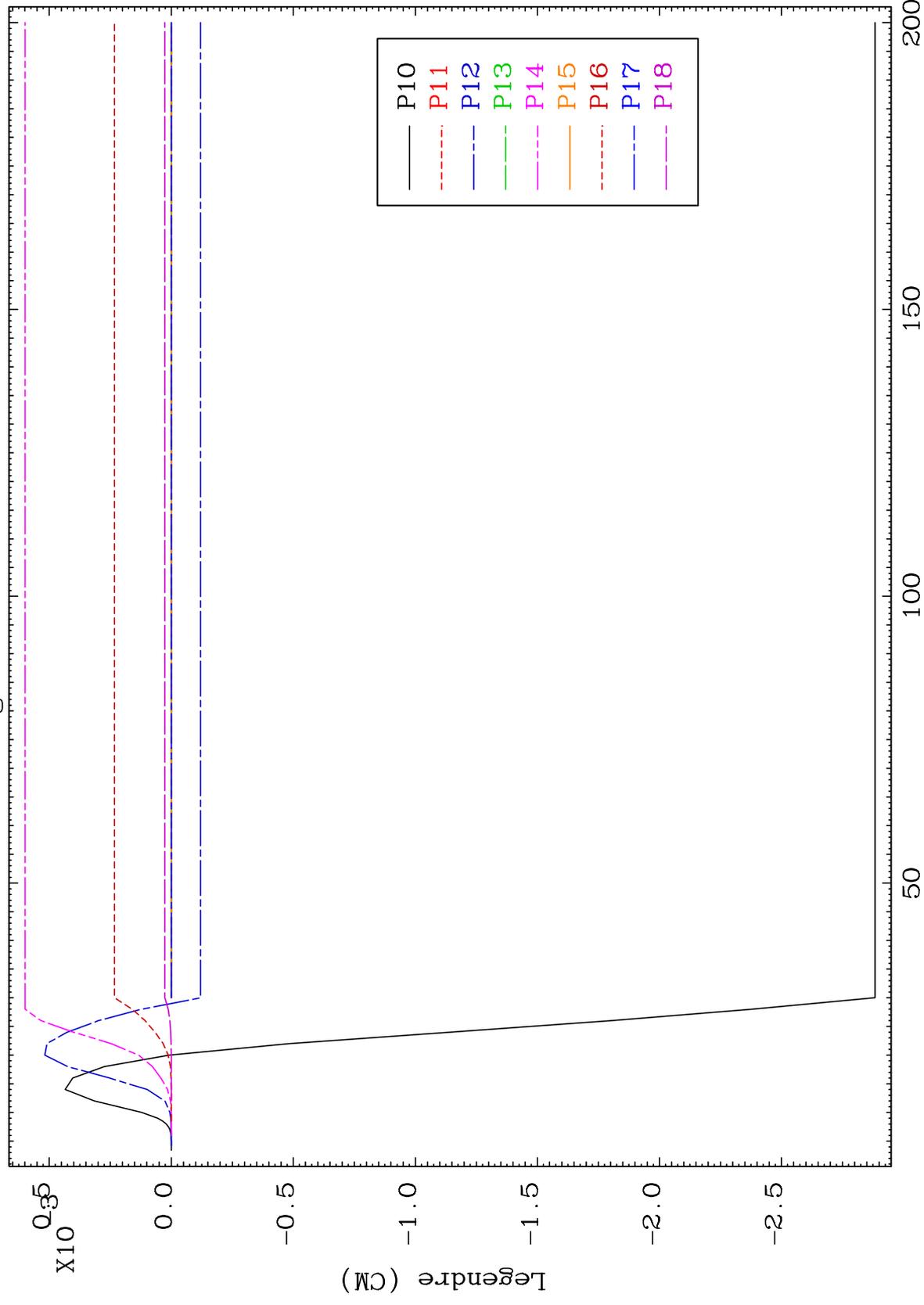




MAT 5037

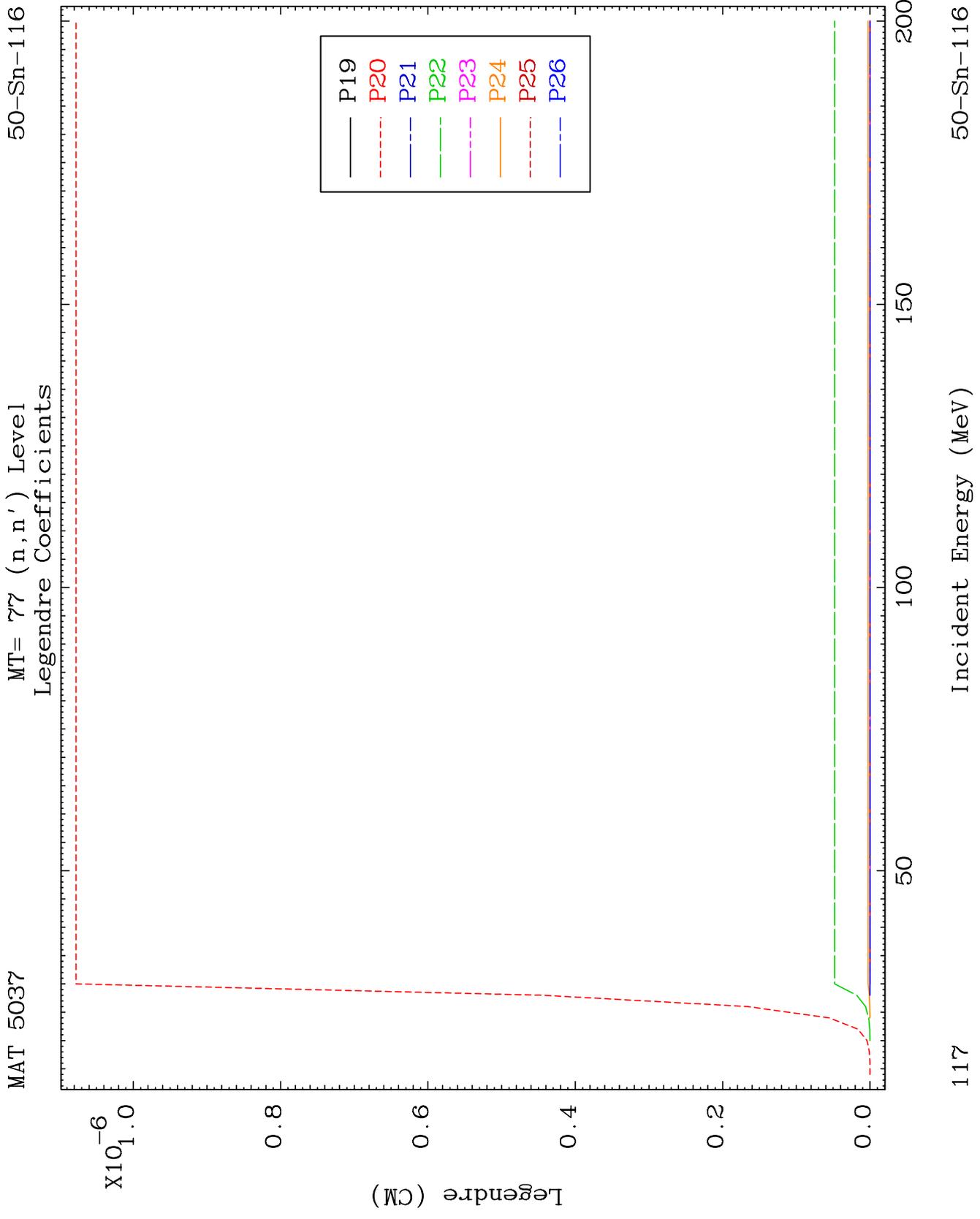
MT= 77 (n,n') Level
Legendre Coefficients

50-Sn-116



116

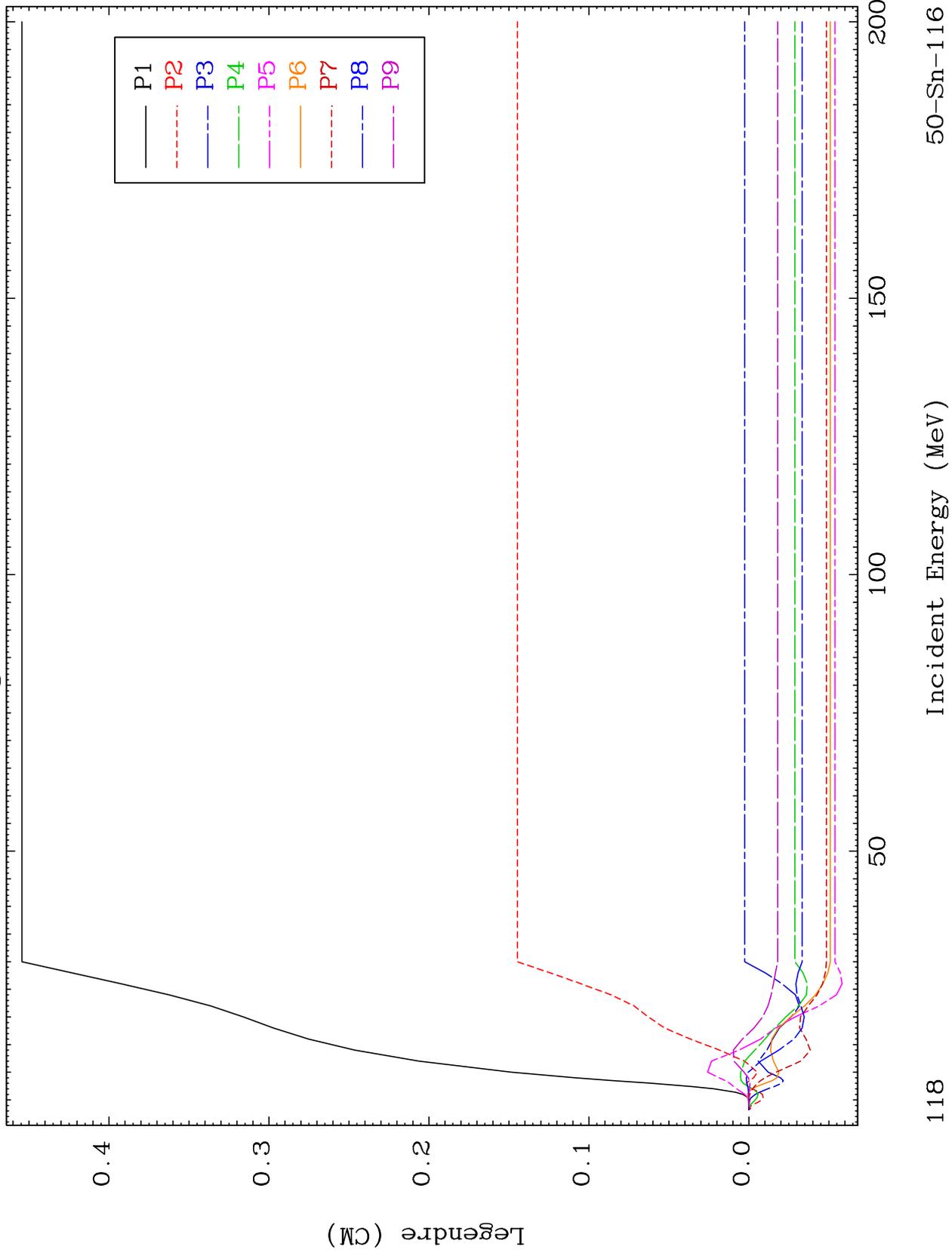
50-Sn-116



MAT 5037

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

50-Sn-116



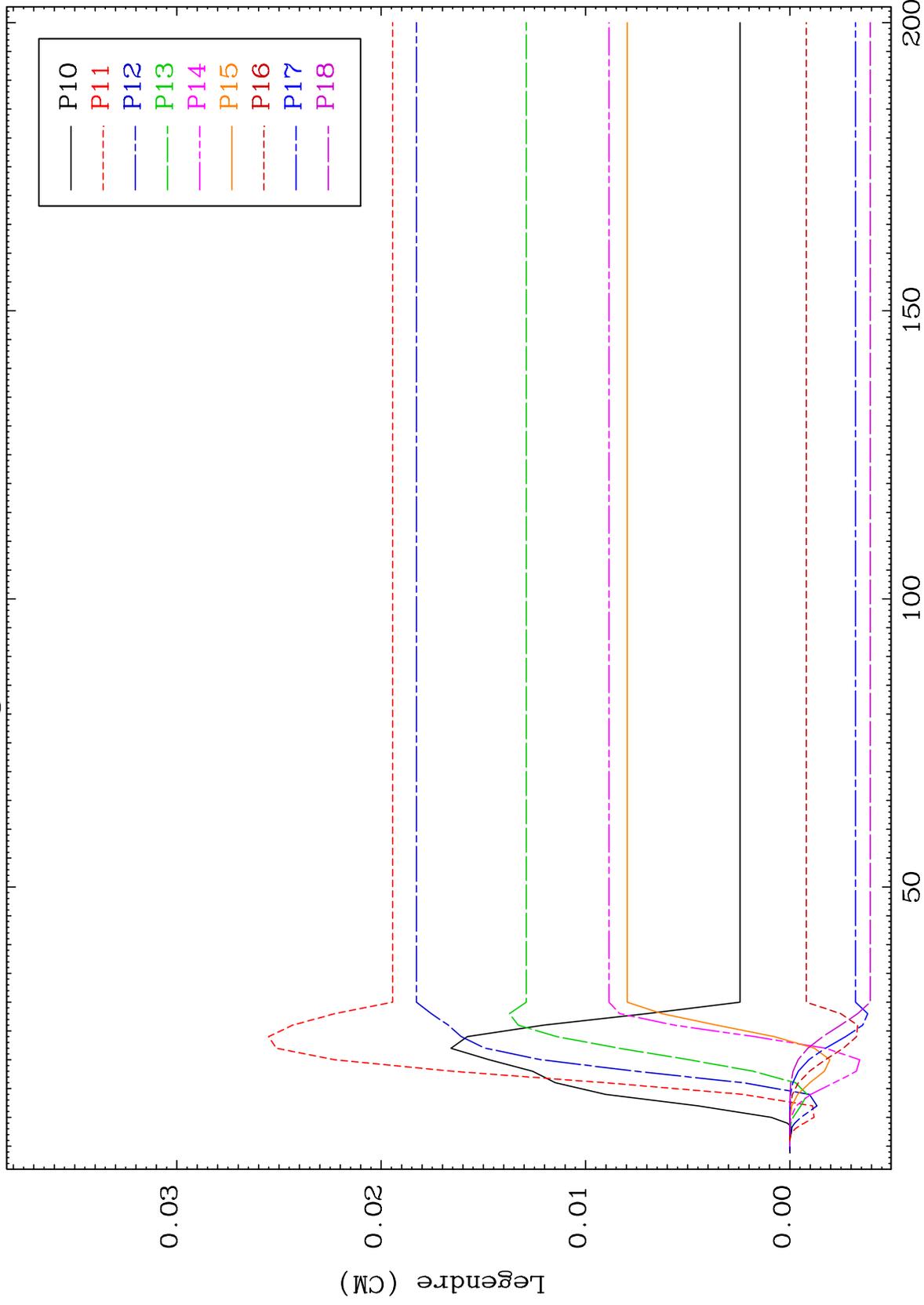
118

50-Sn-116

MAT 5037

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

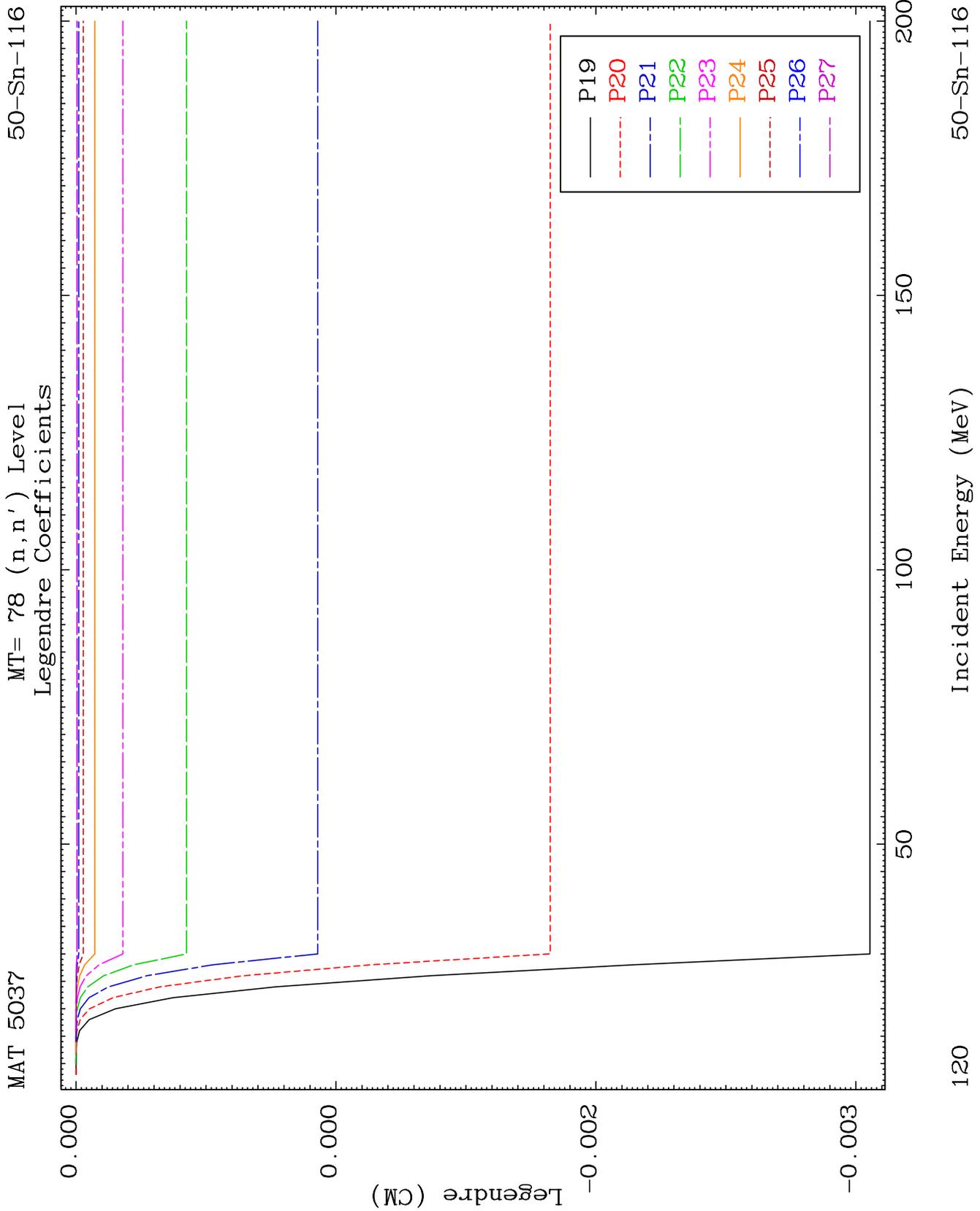
50-Sn-116

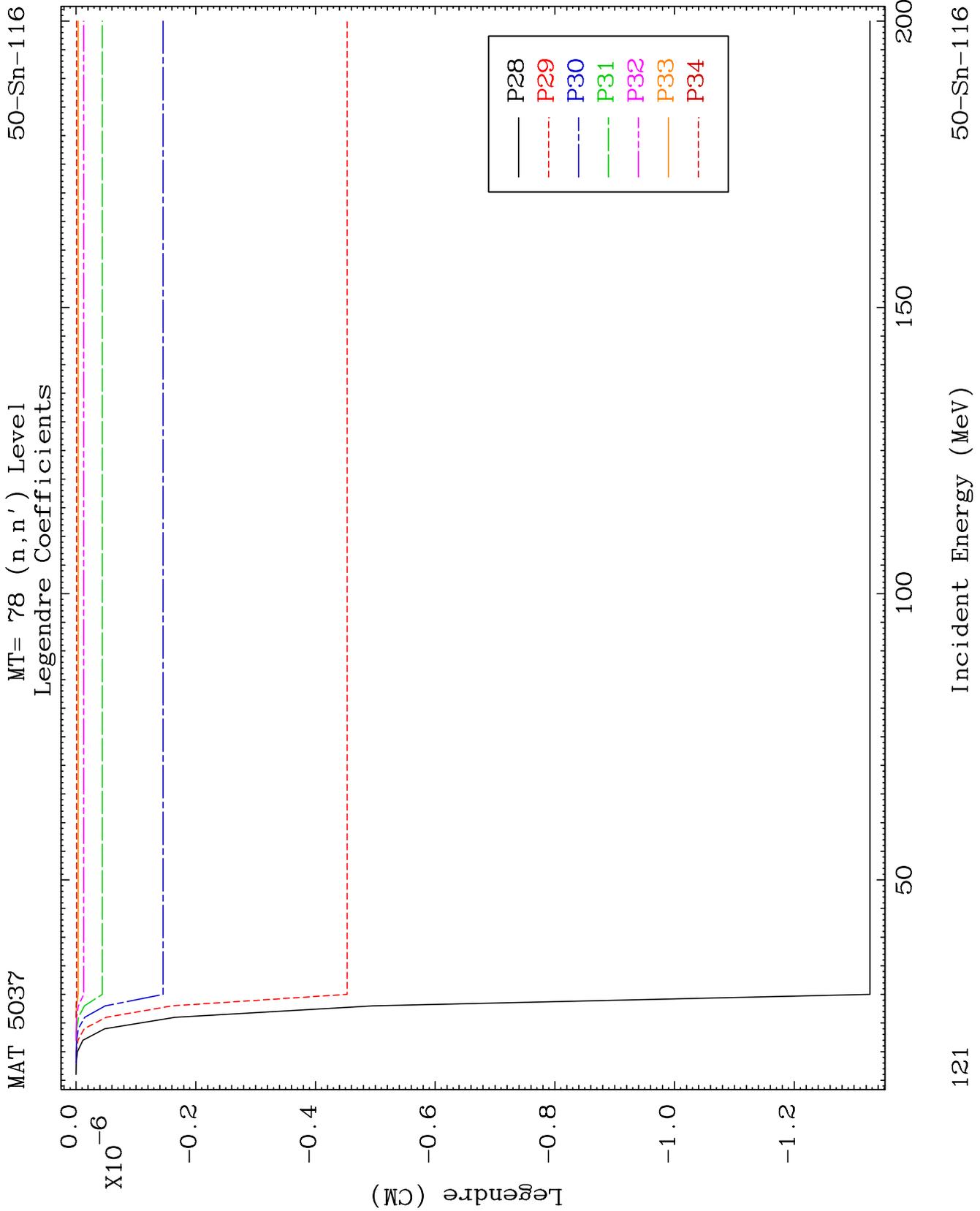


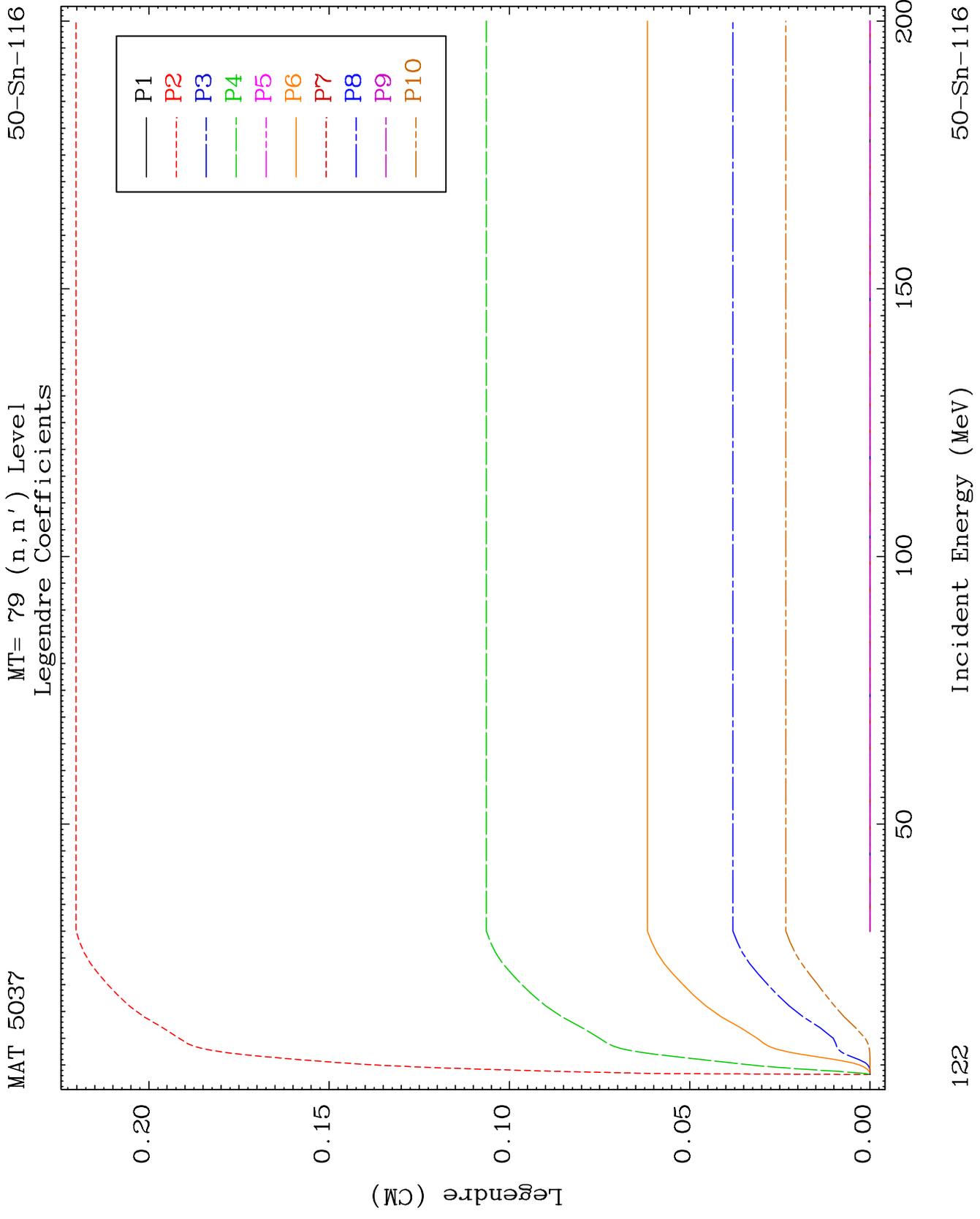
119

Incident Energy (MeV)

50-Sn-116



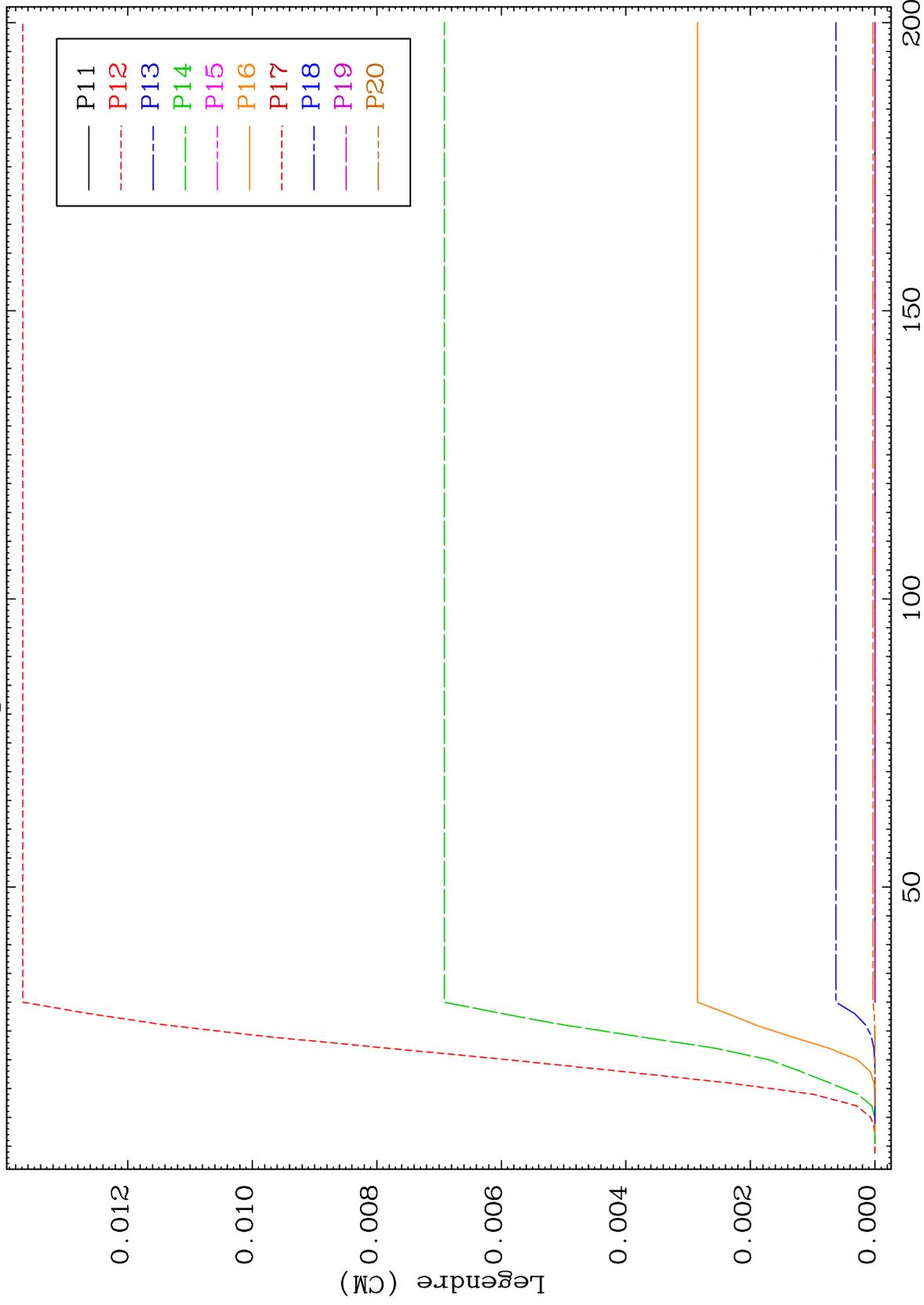




MAT 5037

MT= 79 (n,n') Level
Legendre Coefficients

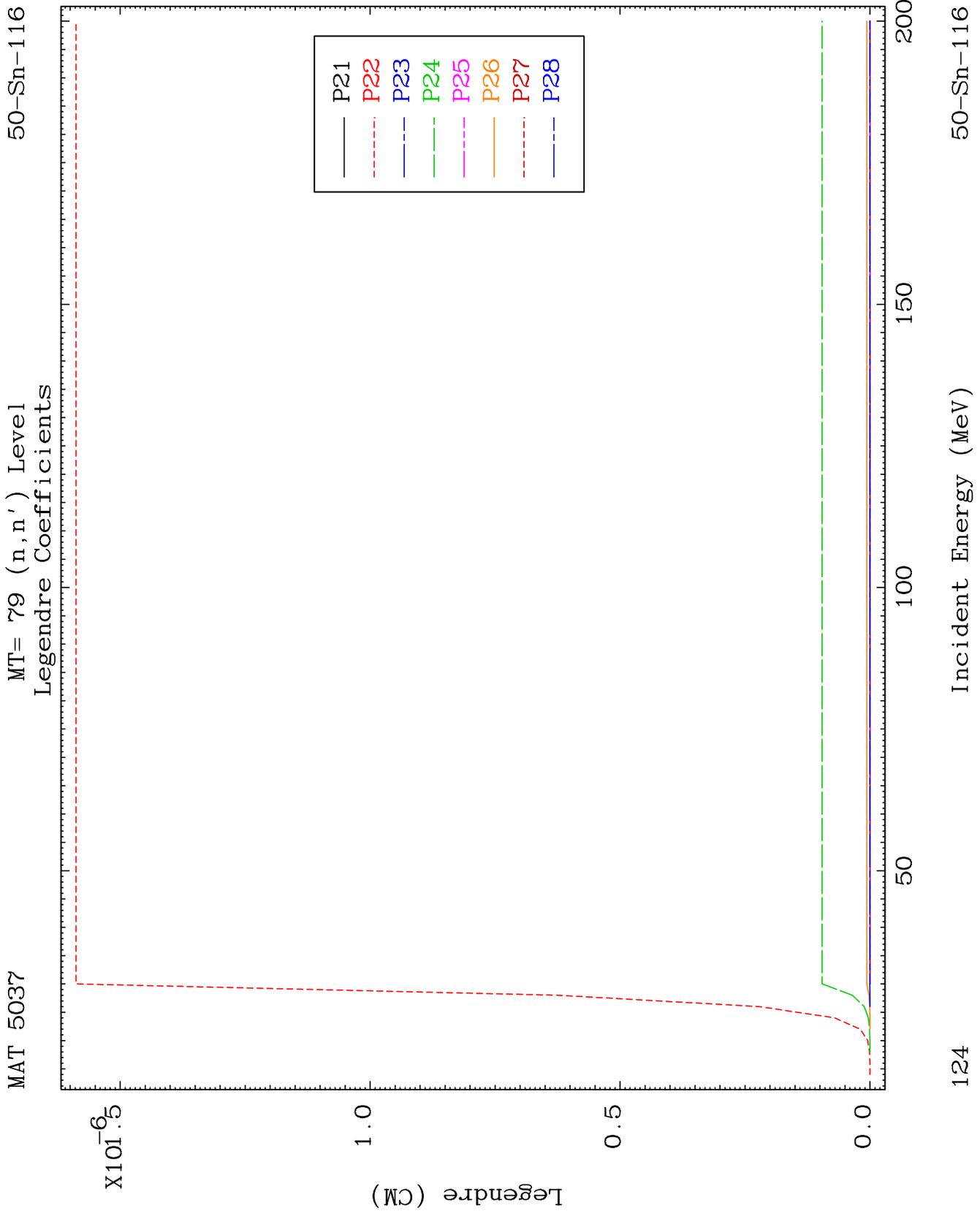
50-Sn-116



123

Incident Energy (MeV)

50-Sn-116

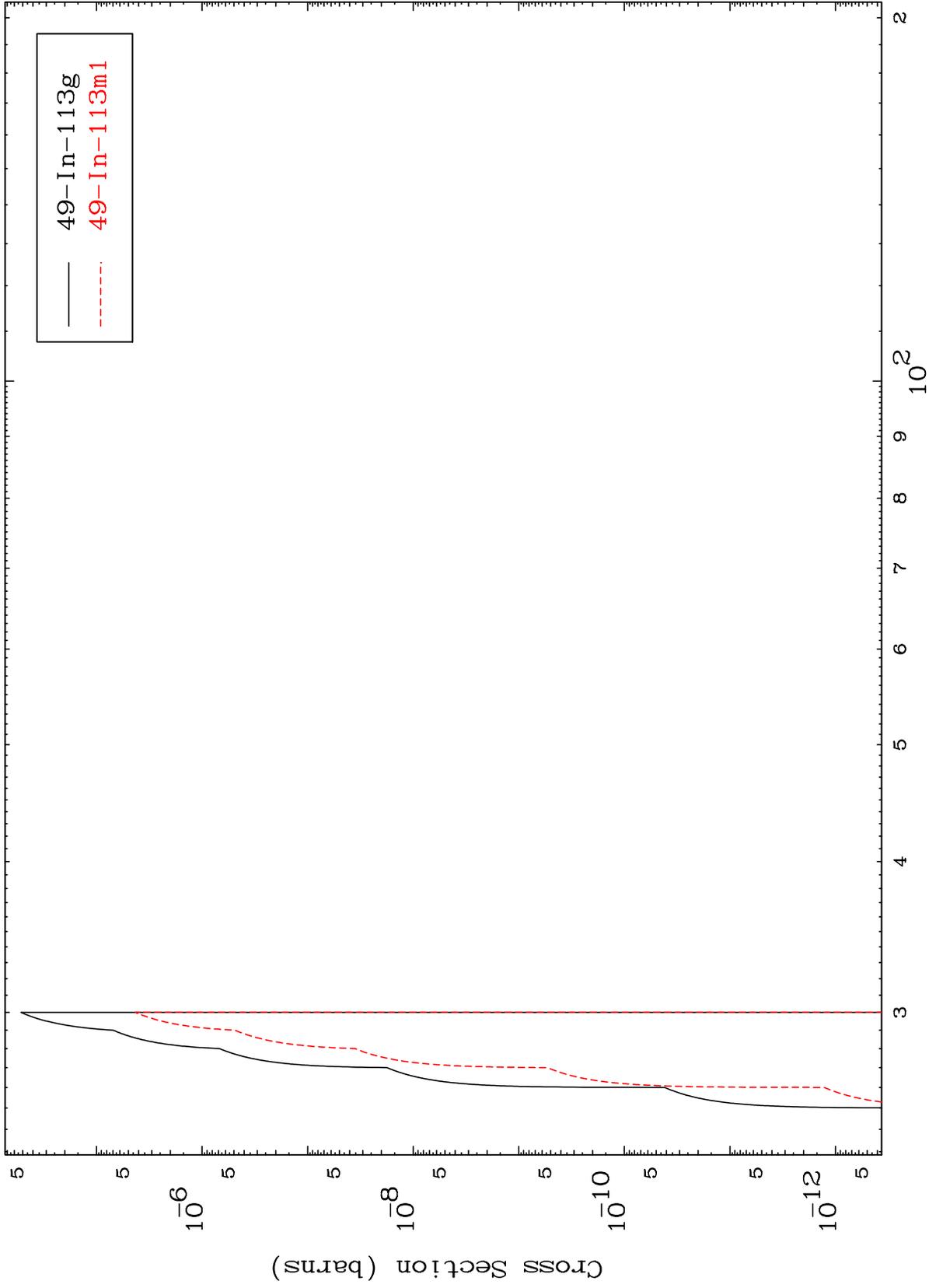


MAT 5037

(n,2n) d

50-Sn-116

Radionuclide Production Cross Section

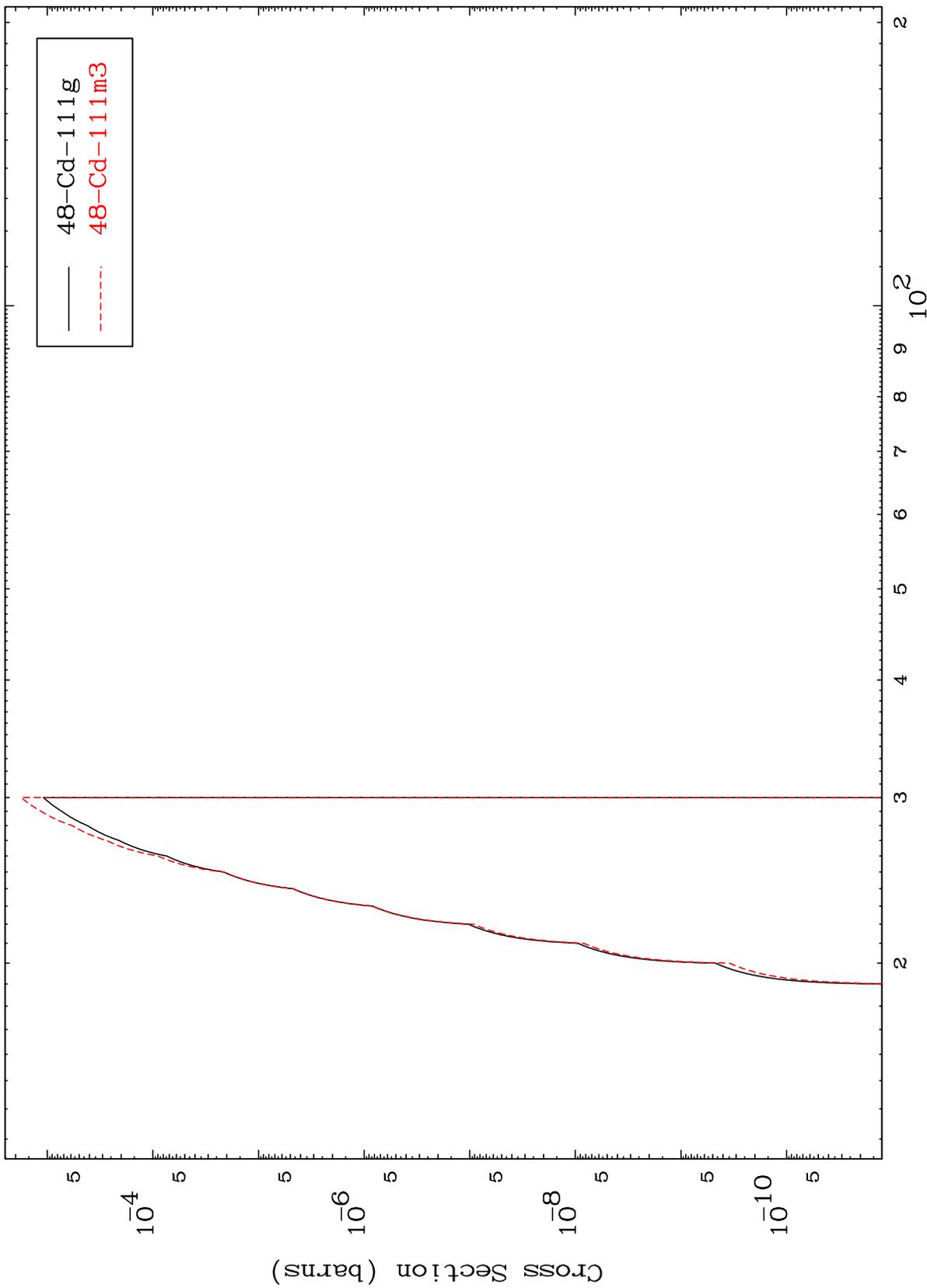


125

Incident Energy (MeV)

50-Sn-116

Radionuclide Production Cross Section

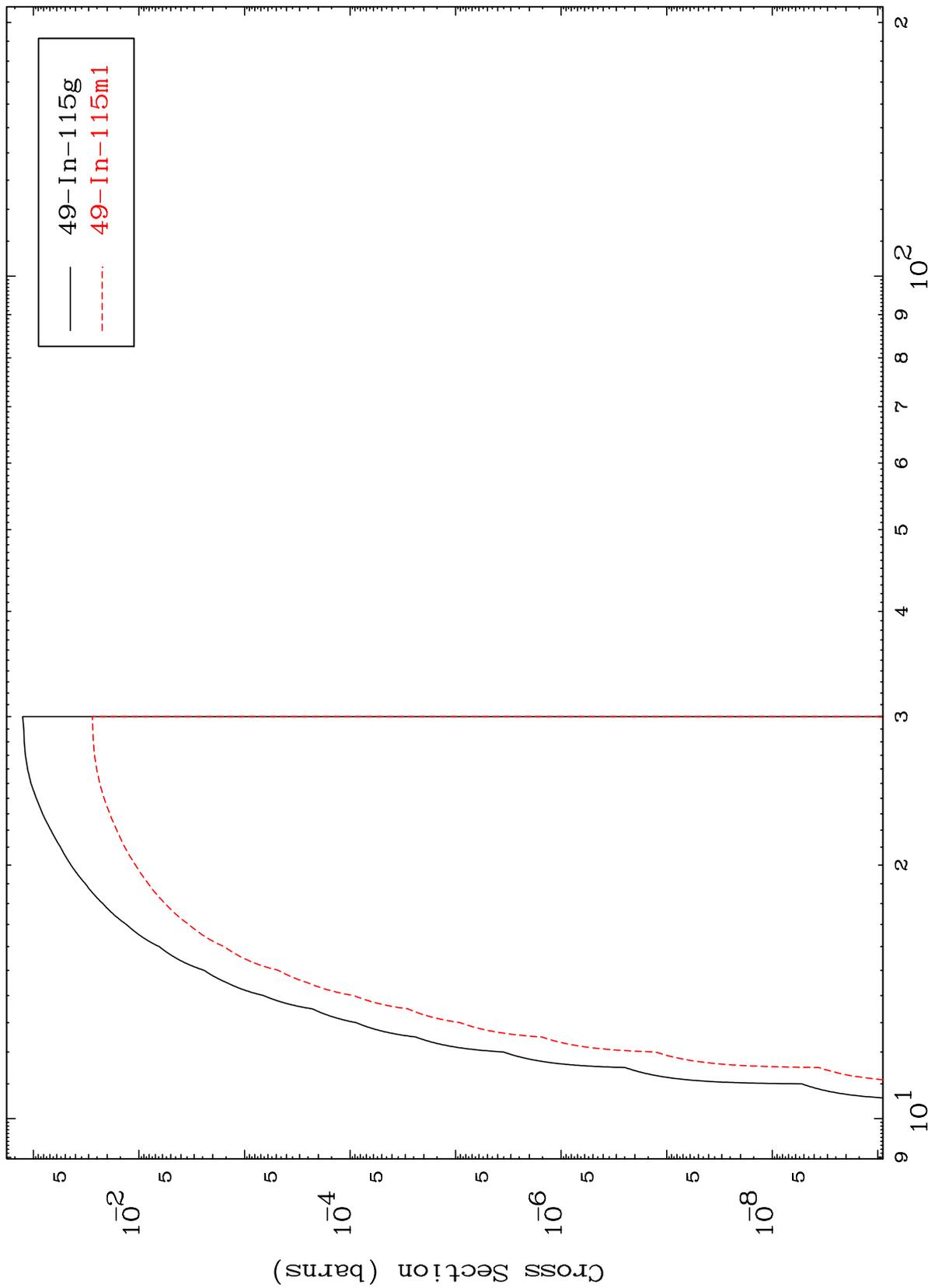


MAT 5037

(n,n') p

50-Sn-116

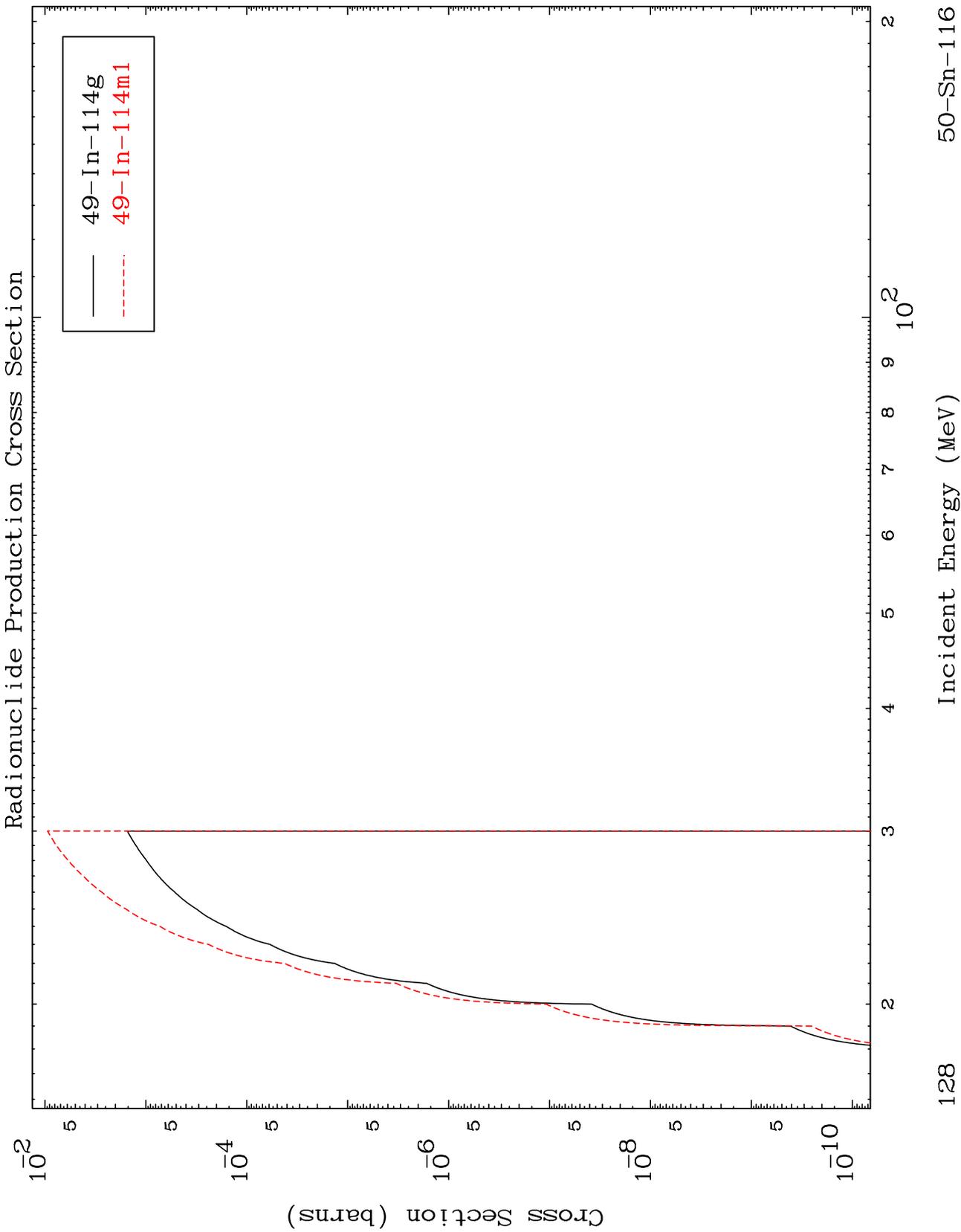
Radionuclide Production Cross Section



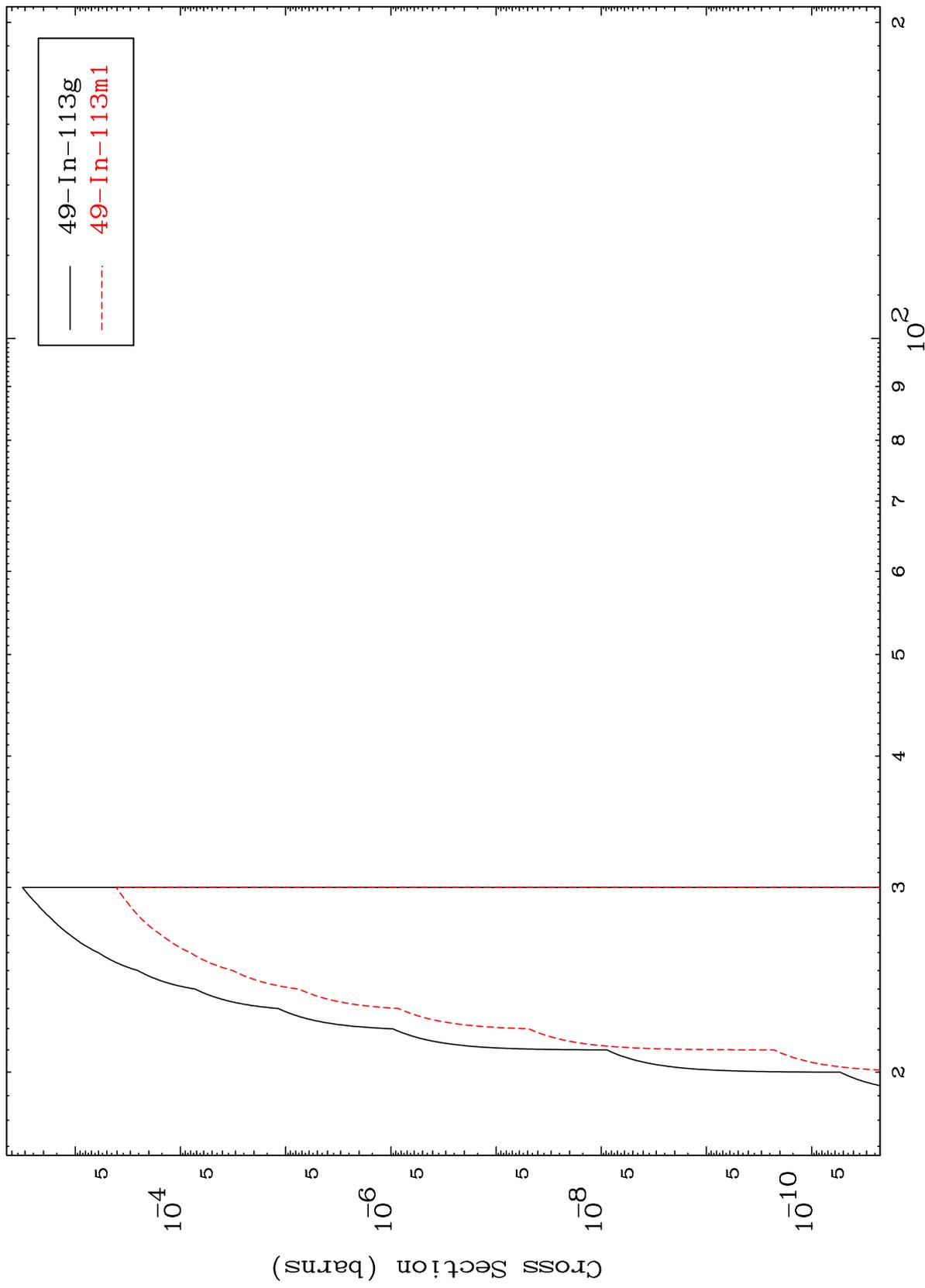
127

Incident Energy (MeV)

50-Sn-116



Radionuclide Production Cross Section

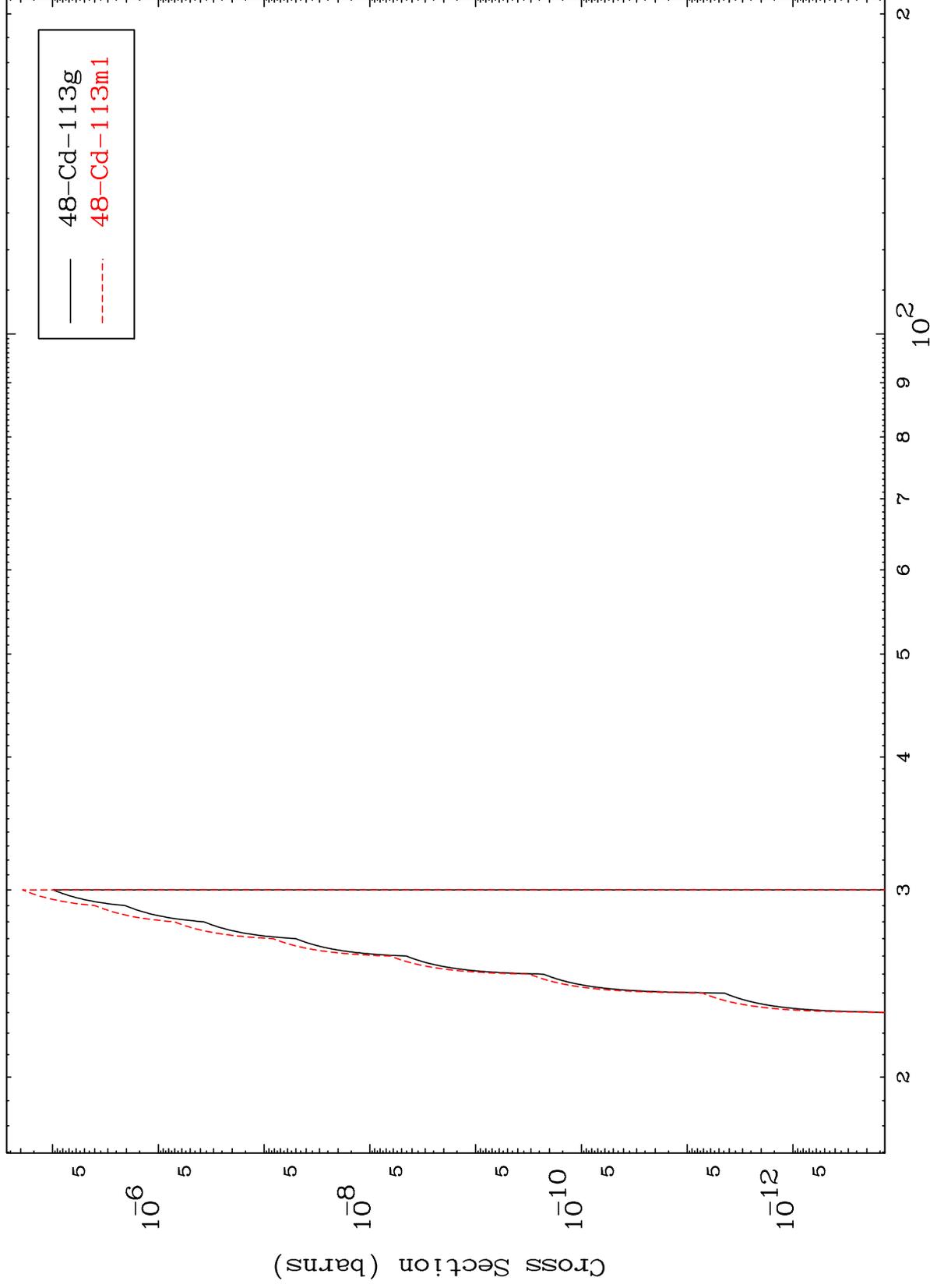


MAT 5037

(n,n') He-3

50-Sn-116

Radionuclide Production Cross Section



130

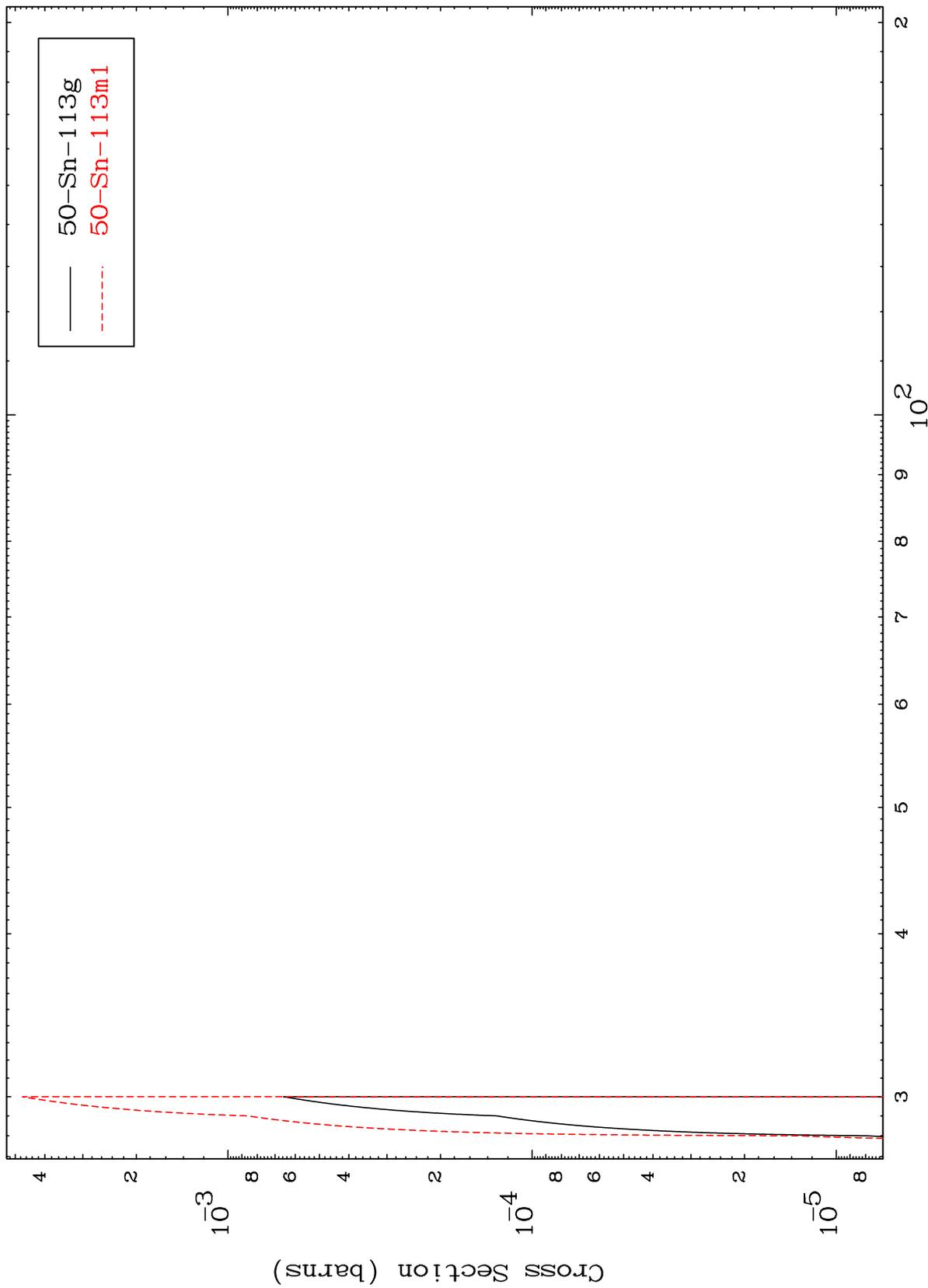
Incident Energy (MeV)

50-Sn-116

MAT 5037

50-Sn-116

(n,4n)
Radionuclide Production Cross Section



50-Sn-116

Incident Energy (MeV)

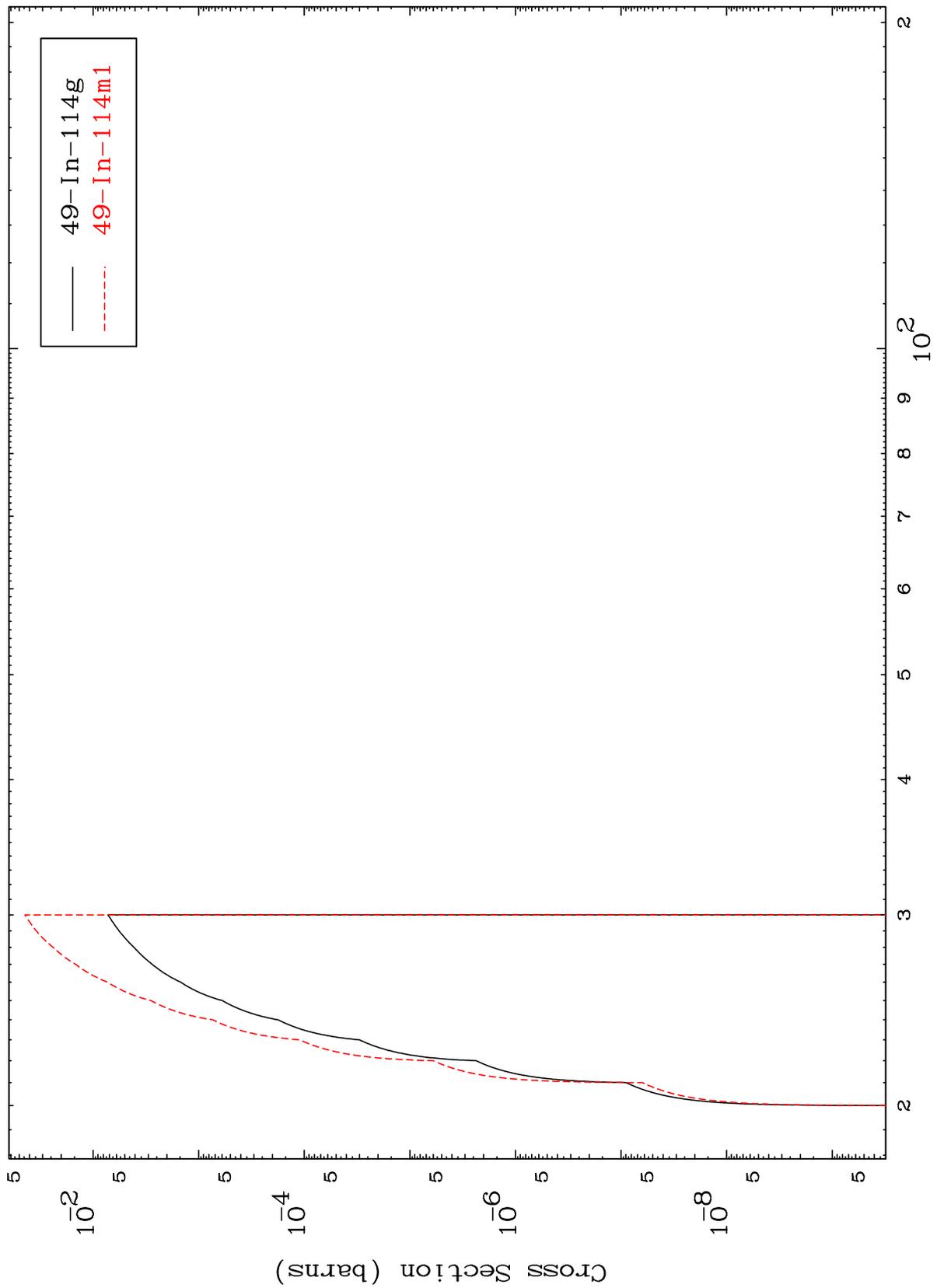
131

MAT 5037

(n,2n) p

50-Sn-116

Radionuclide Production Cross Section



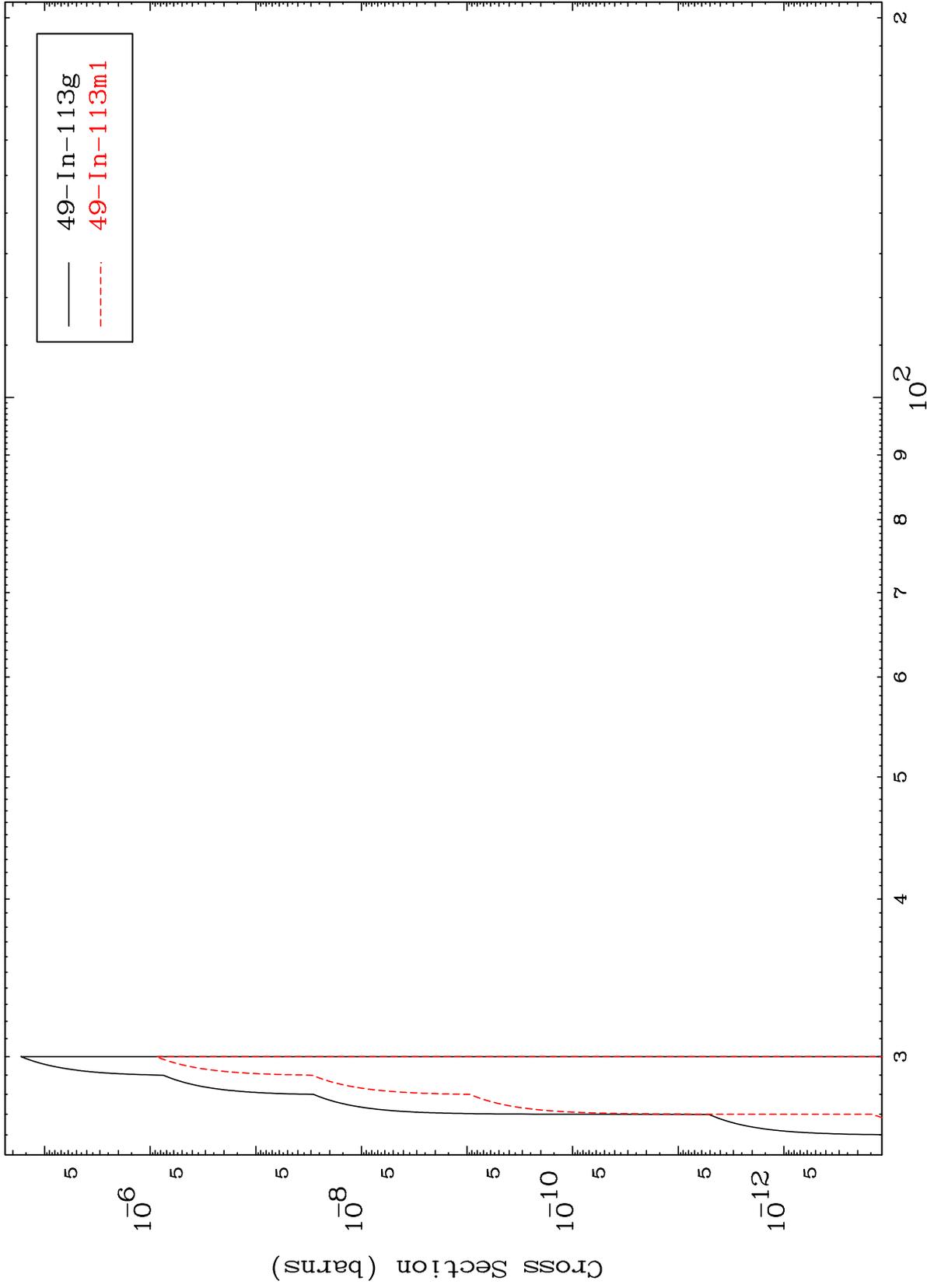
49-In-114g
49-In-114m1

132

Incident Energy (MeV)

50-Sn-116

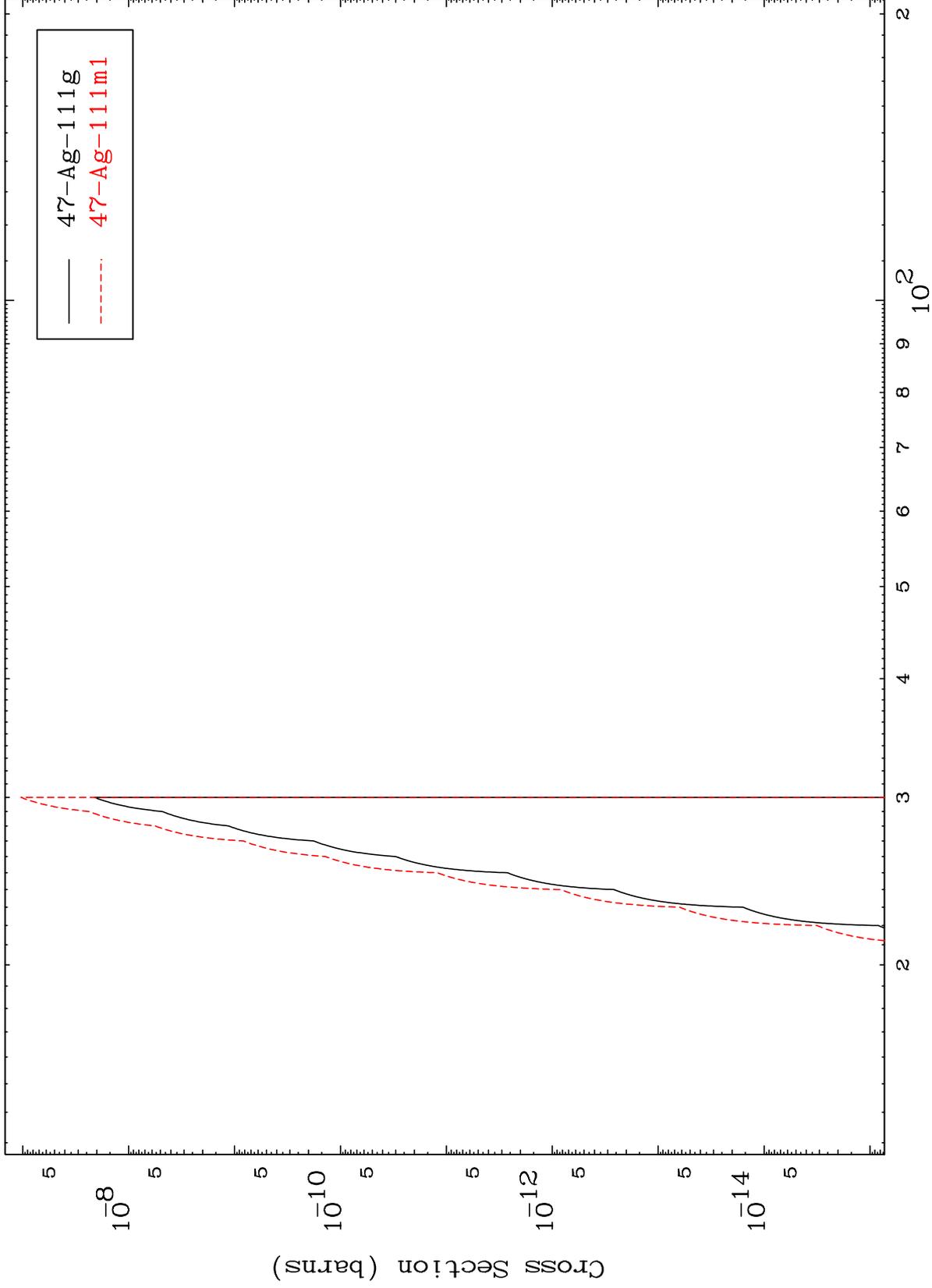
Radionuclide Production Cross Section



MAT 5037

50-Sn-116

(n,n') p α
Radionuclide Production Cross Section



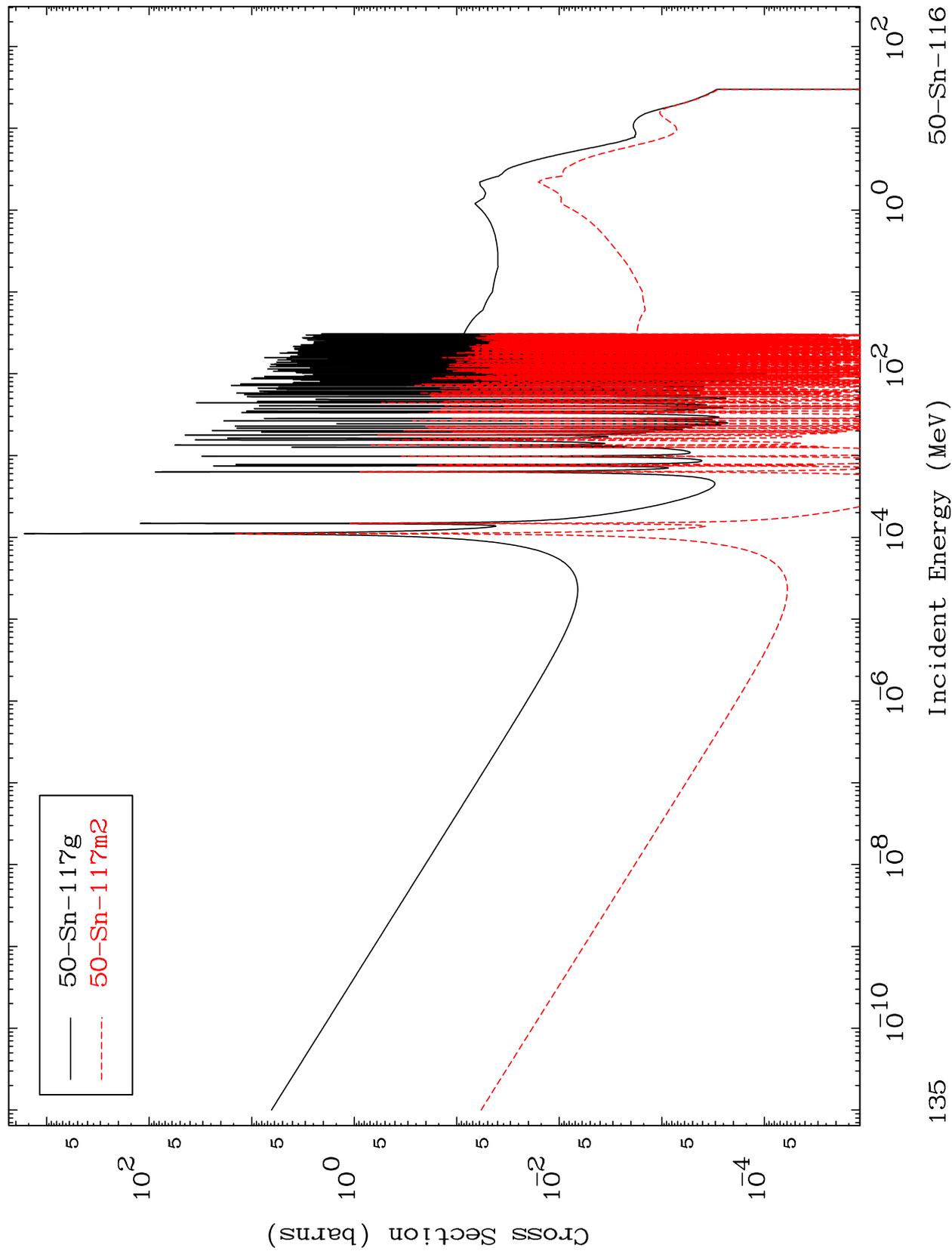
134

50-Sn-116

MAT 5037

50-Sn-116

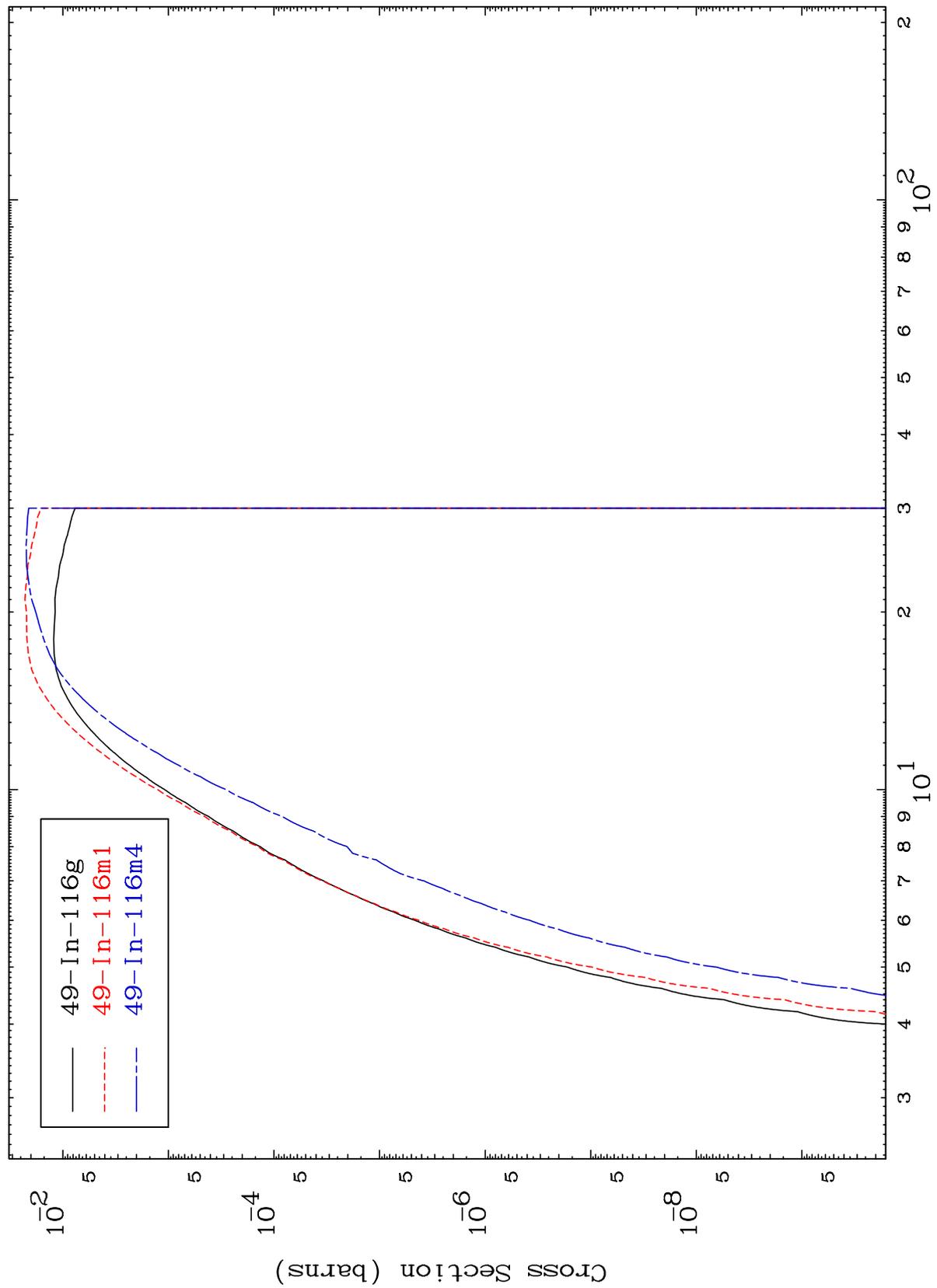
(n,γ)
Radionuclide Production Cross Section



135

50-Sn-116

(n,p)
Radionuclide Production Cross Section

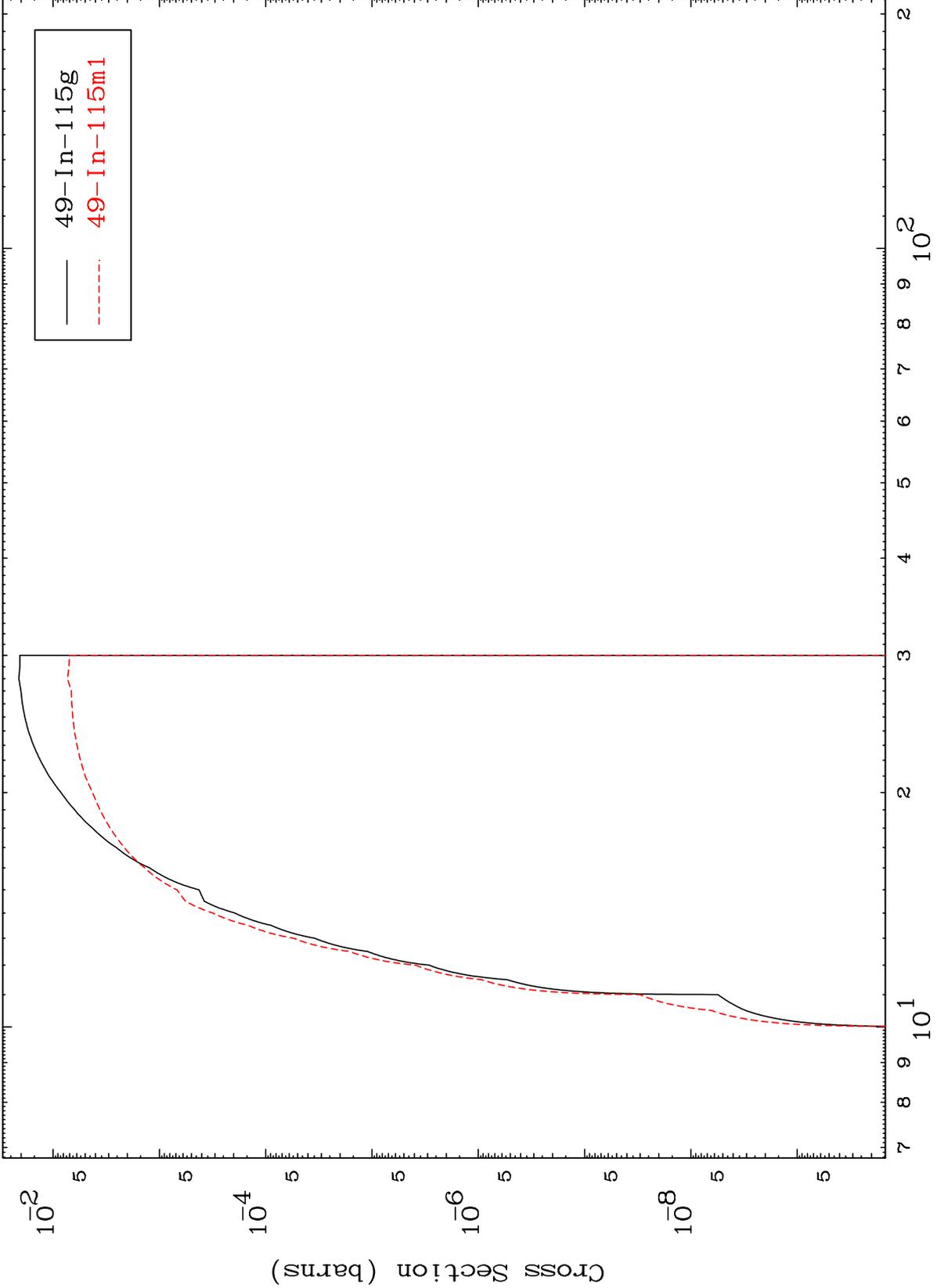


MAT 5037

(n,d)

50-Sn-116

Radionuclide Production Cross Section



137

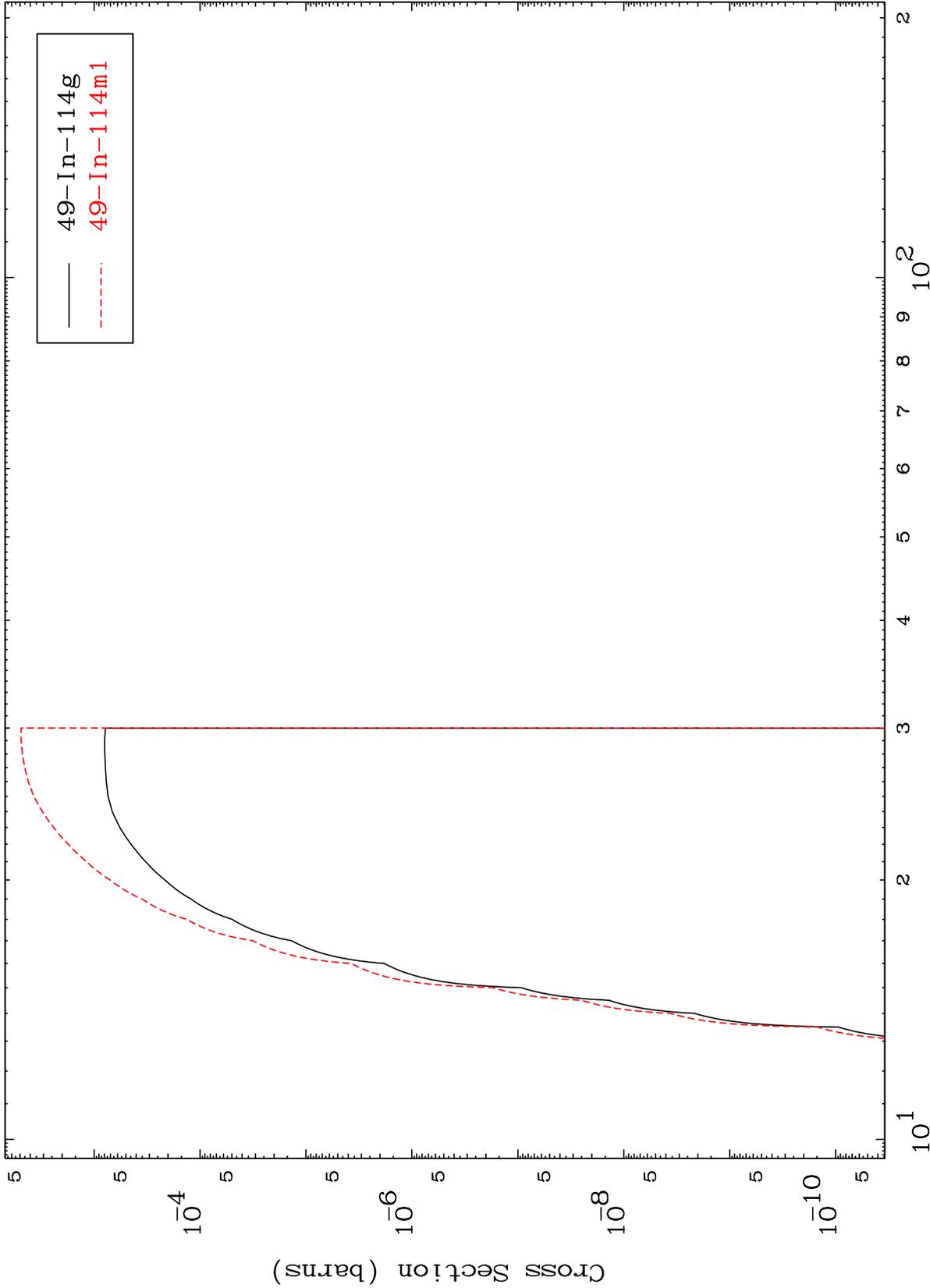
Incident Energy (MeV)

50-Sn-116

MAT 5037

50-Sn-116

(n,t)
Radionuclide Production Cross Section



50-Sn-116

Incident Energy (MeV)

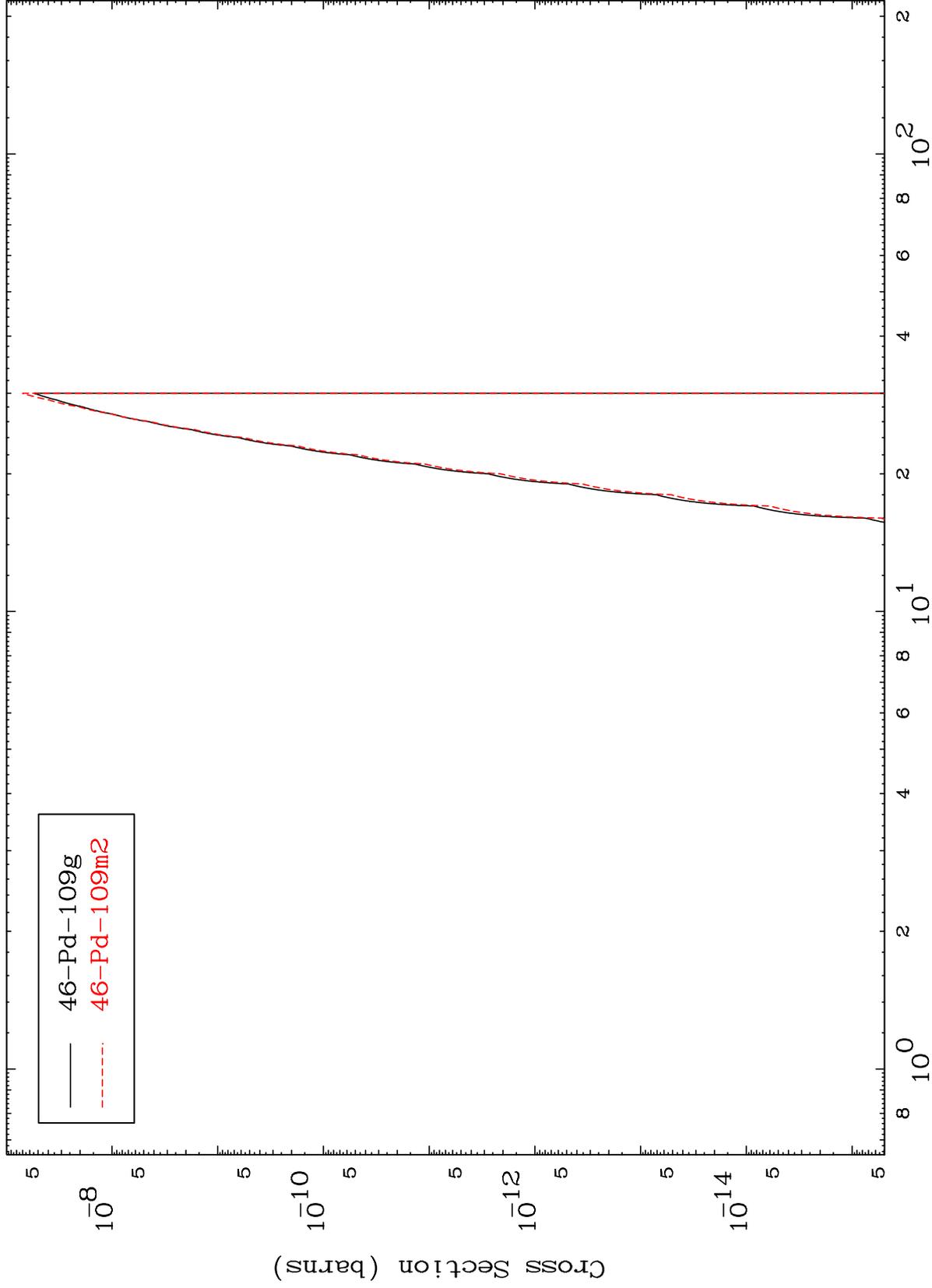
138

MAT 5037

(n,2α)

50-Sn-116

Radionuclide Production Cross Section



— 46-Pd-109g
- - - 46-Pd-109m2

140

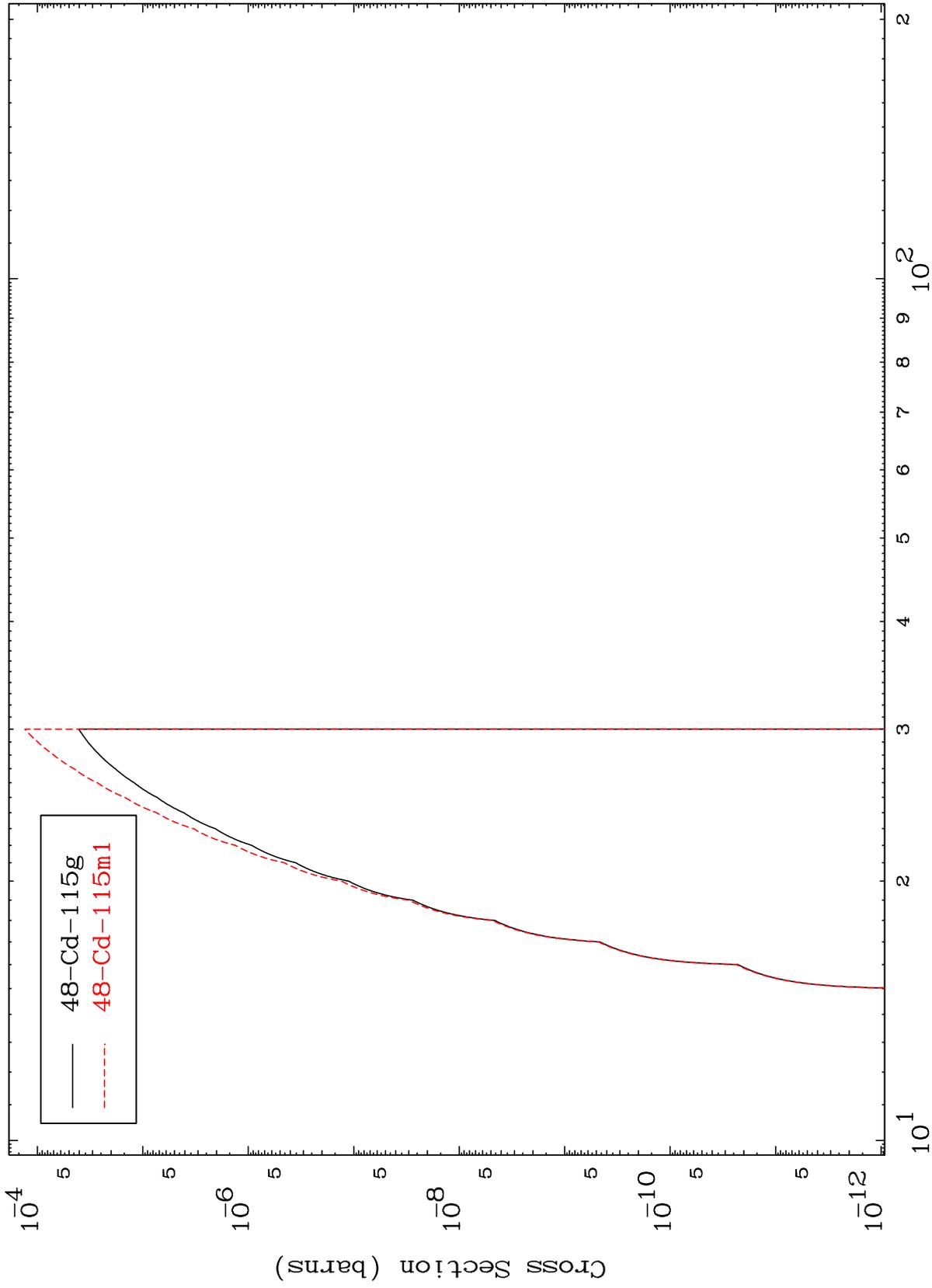
Incident Energy (MeV)

50-Sn-116

MAT 5037

50-Sn-116

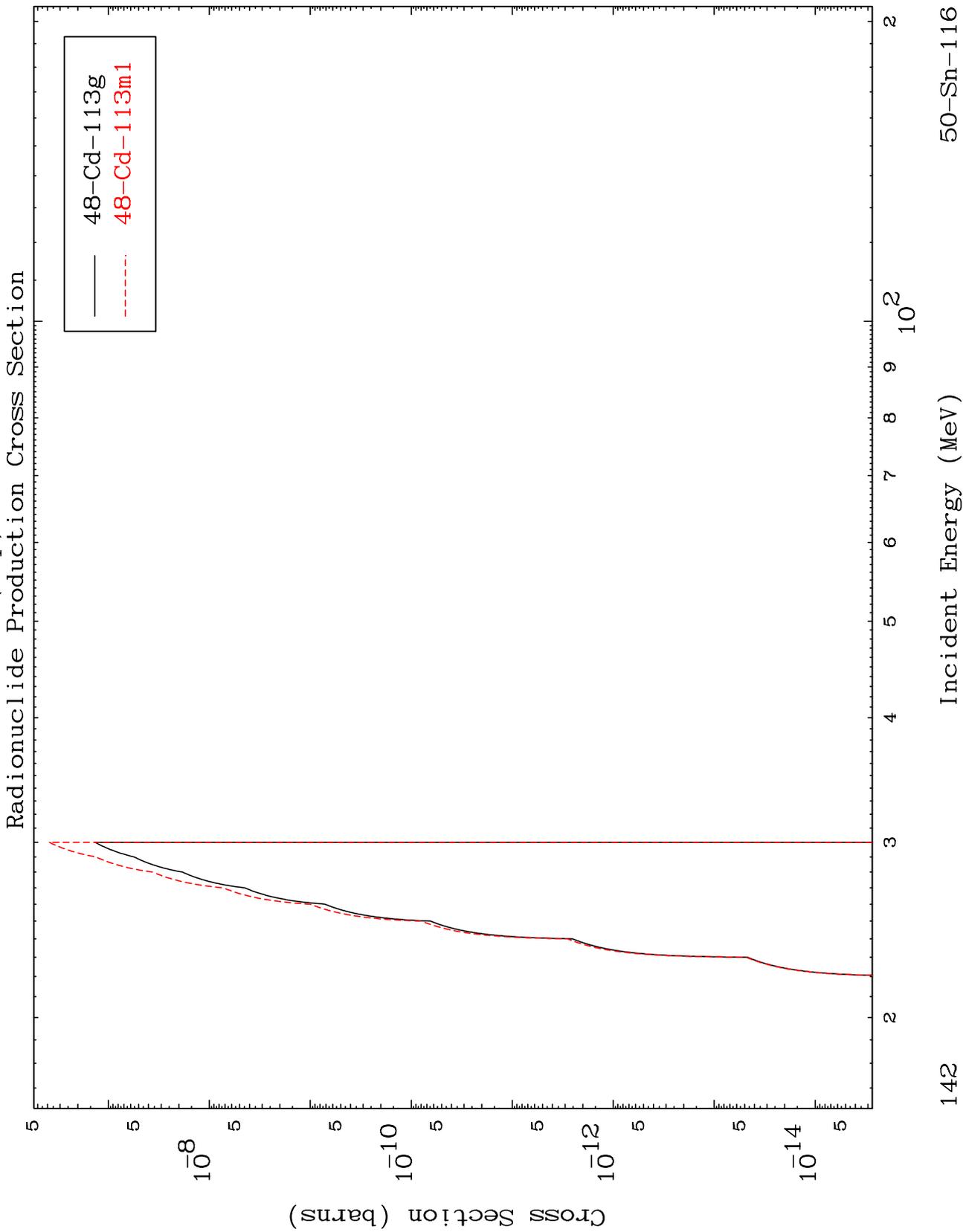
(n,2p)
Radionuclide Production Cross Section



141

Incident Energy (MeV)

50-Sn-116

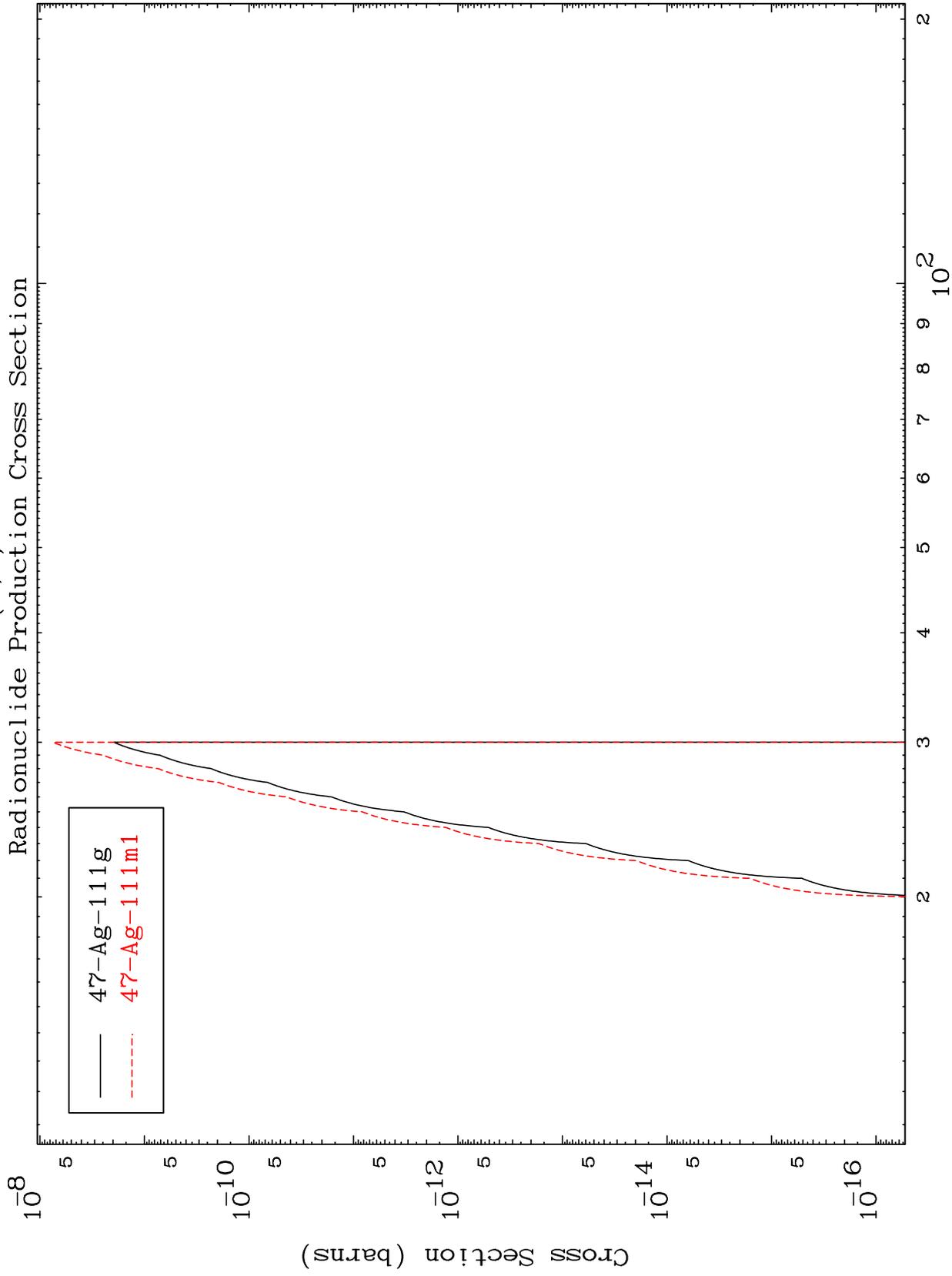


MAT 5037

50-Sn-116

(n,d) α

Radionuclide Production Cross Section



143

Incident Energy (MeV)

50-Sn-116