

Program EVALPLOT
(Version 2021-1)

by

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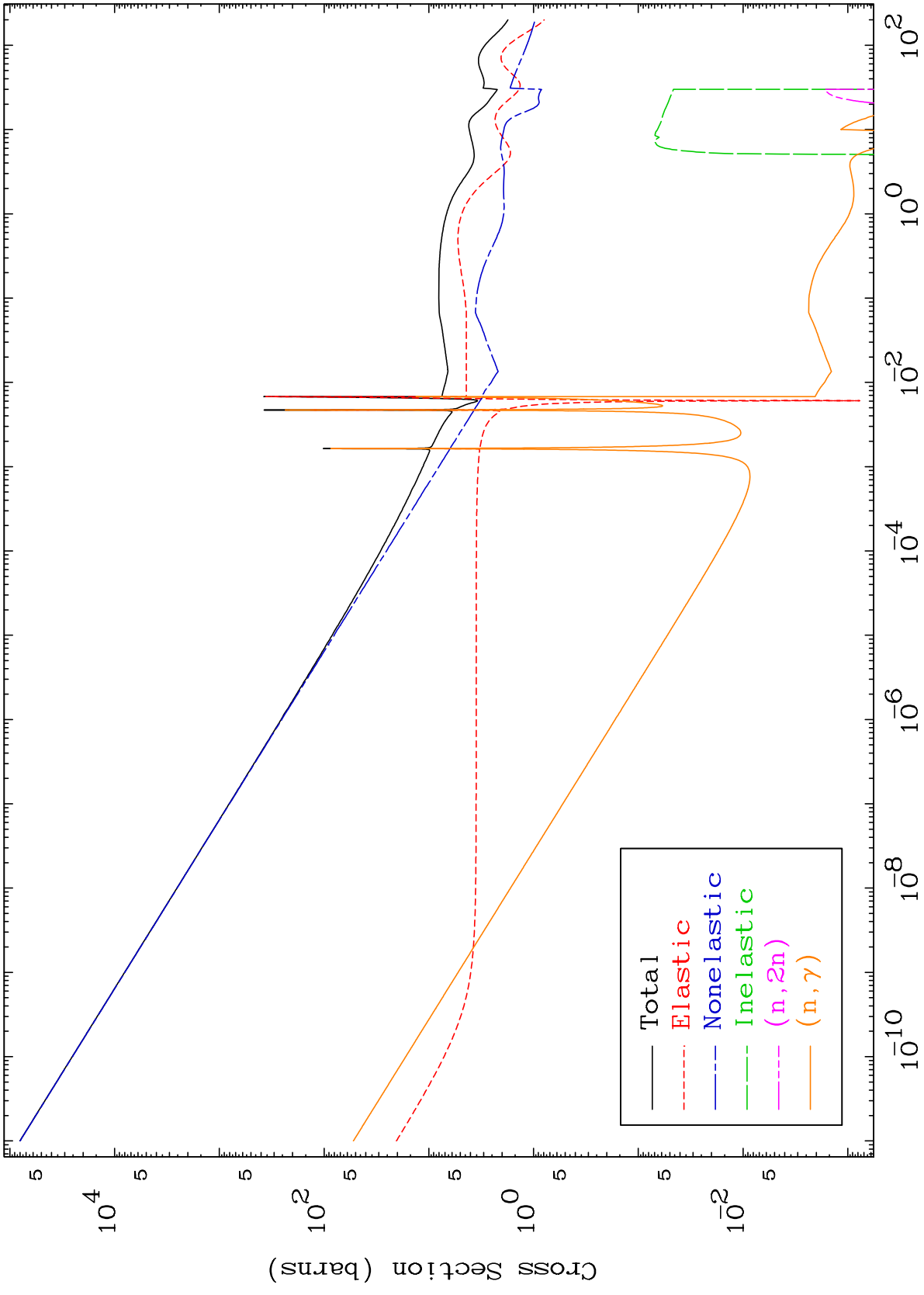
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Web:redcullen1.net/HOMEPAGE.NEW

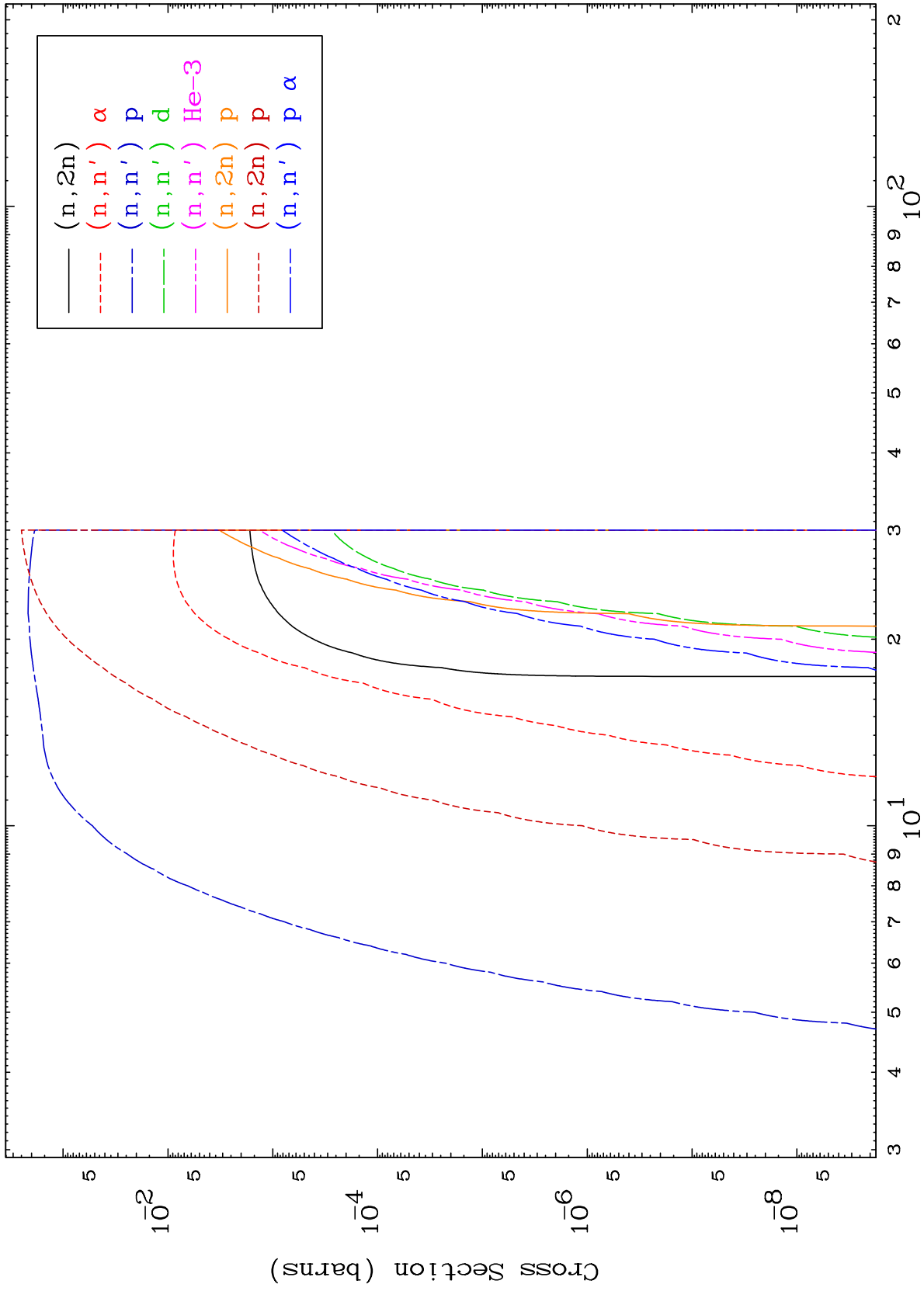
Press Mouse Button to Start

MAT 4989

Neutron Major
293 Kelvin Cross Sections

50-Sn-100

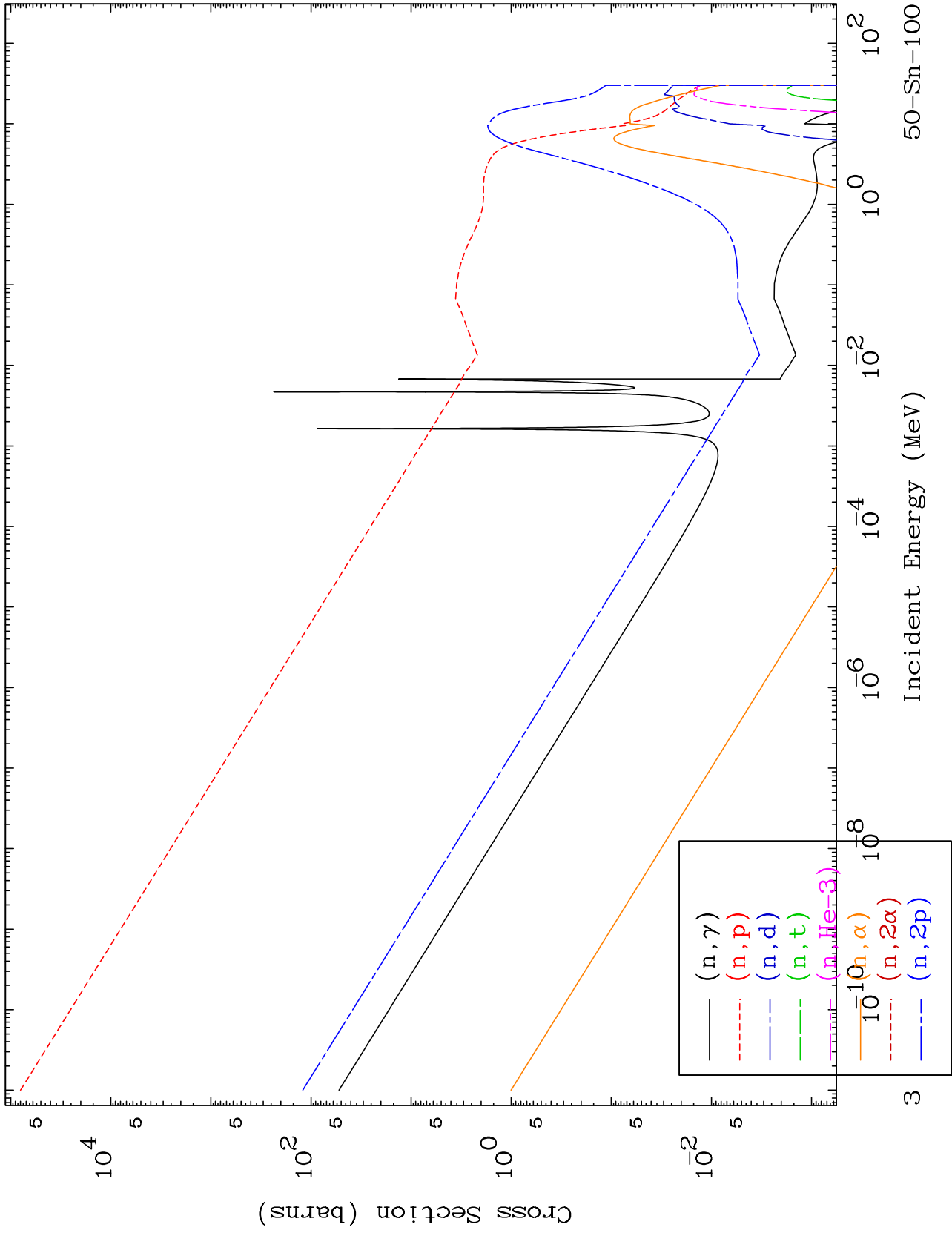




MAT 4989

Neutron Absorption
293 Kelvin Cross Sections

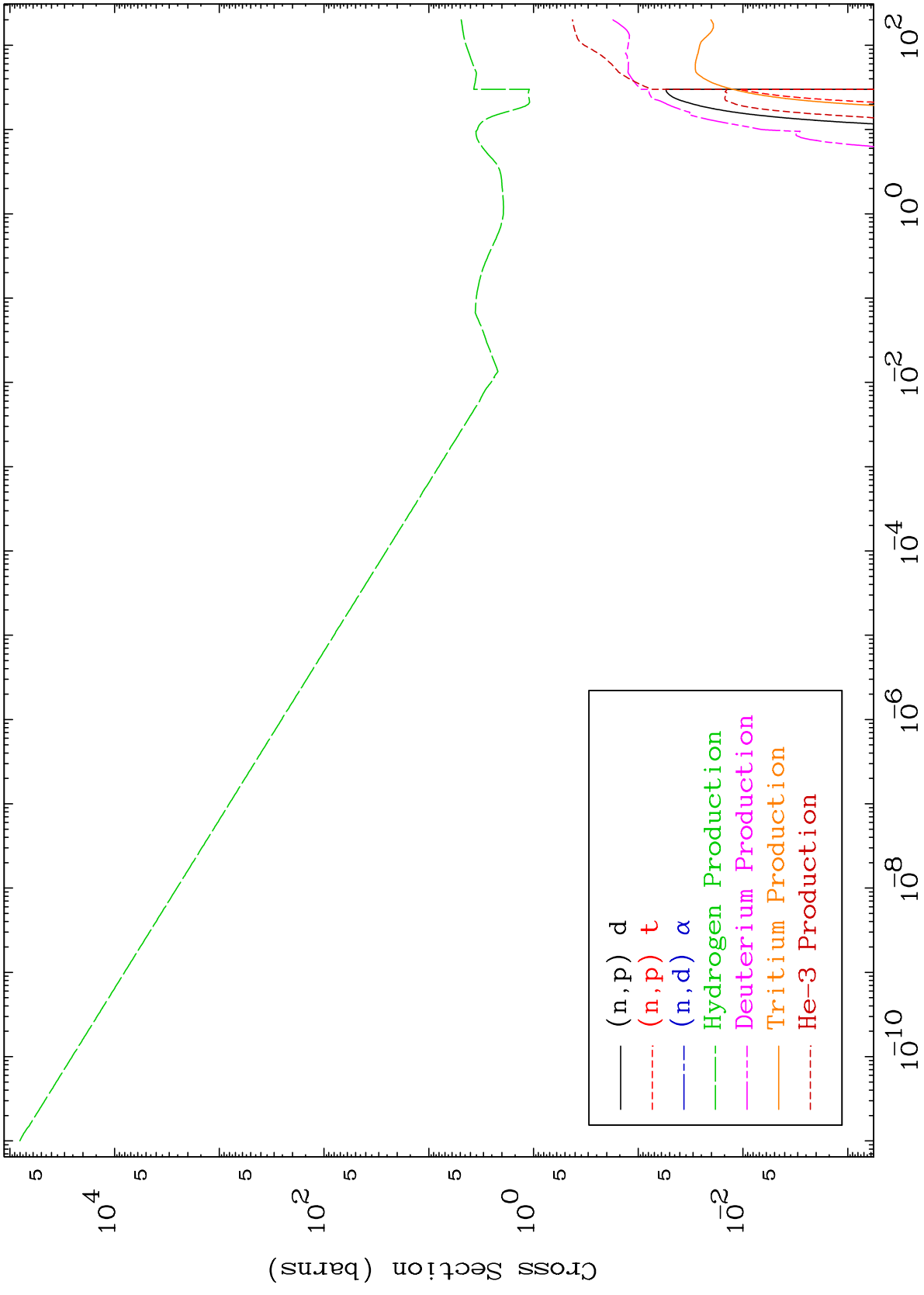
50-Sn-100



MAT 4989

Neutron Absorption
293 Kelvin Cross Sections

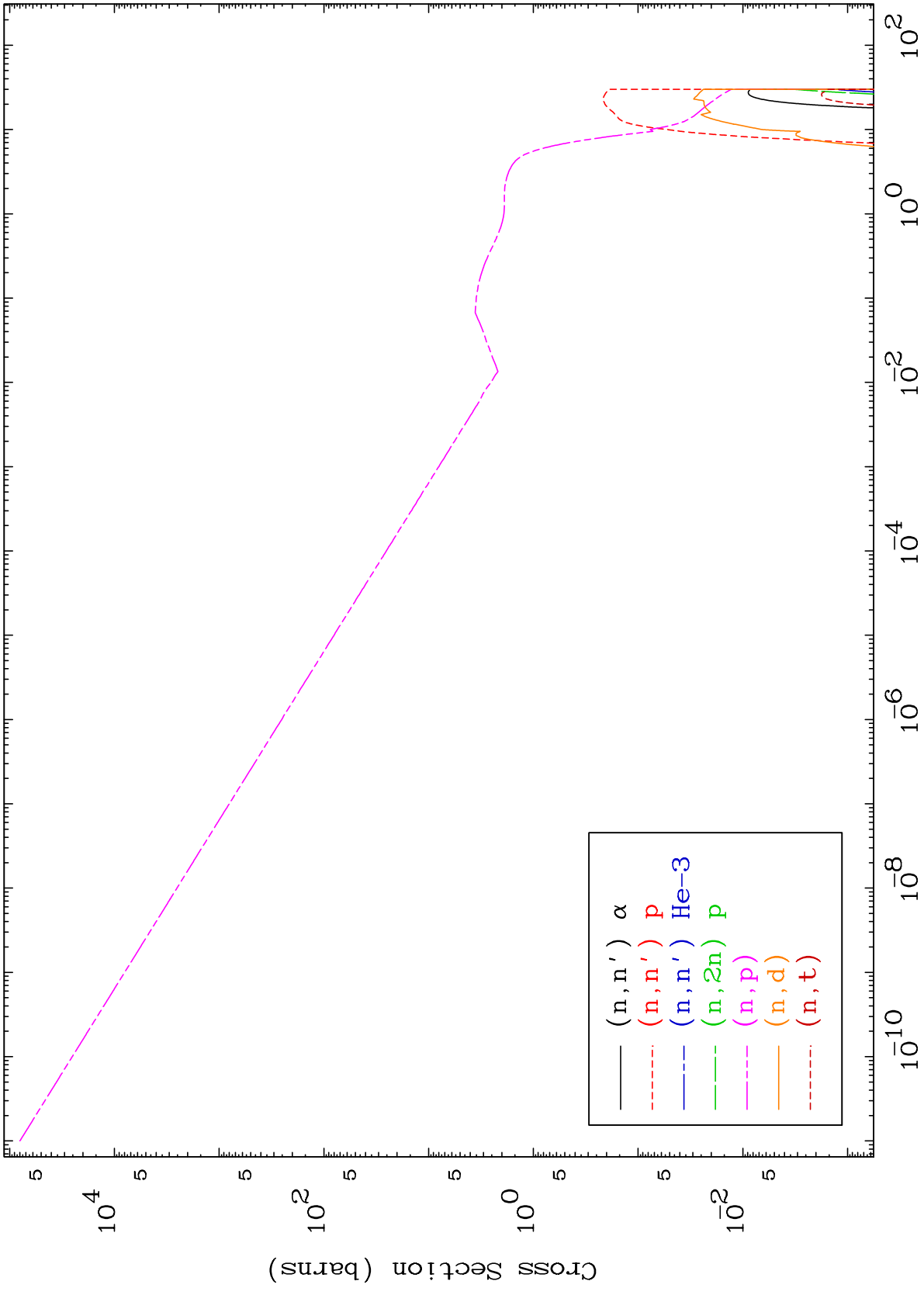
50-Sn-100



MAT 4989

293 Kelvin Cross Sections

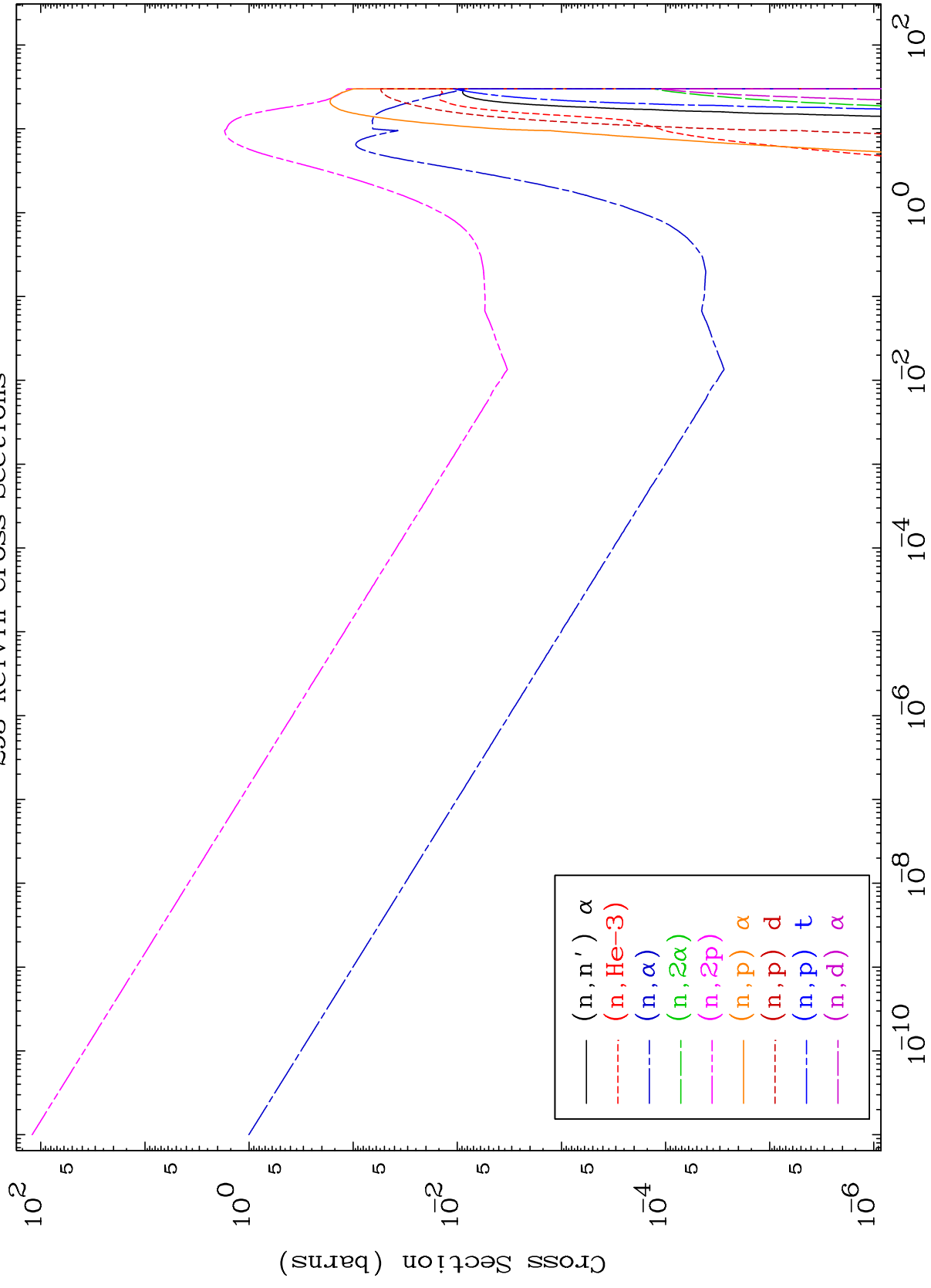
50-Sn-100



MAT 4989

293 Kelvin Cross Sections

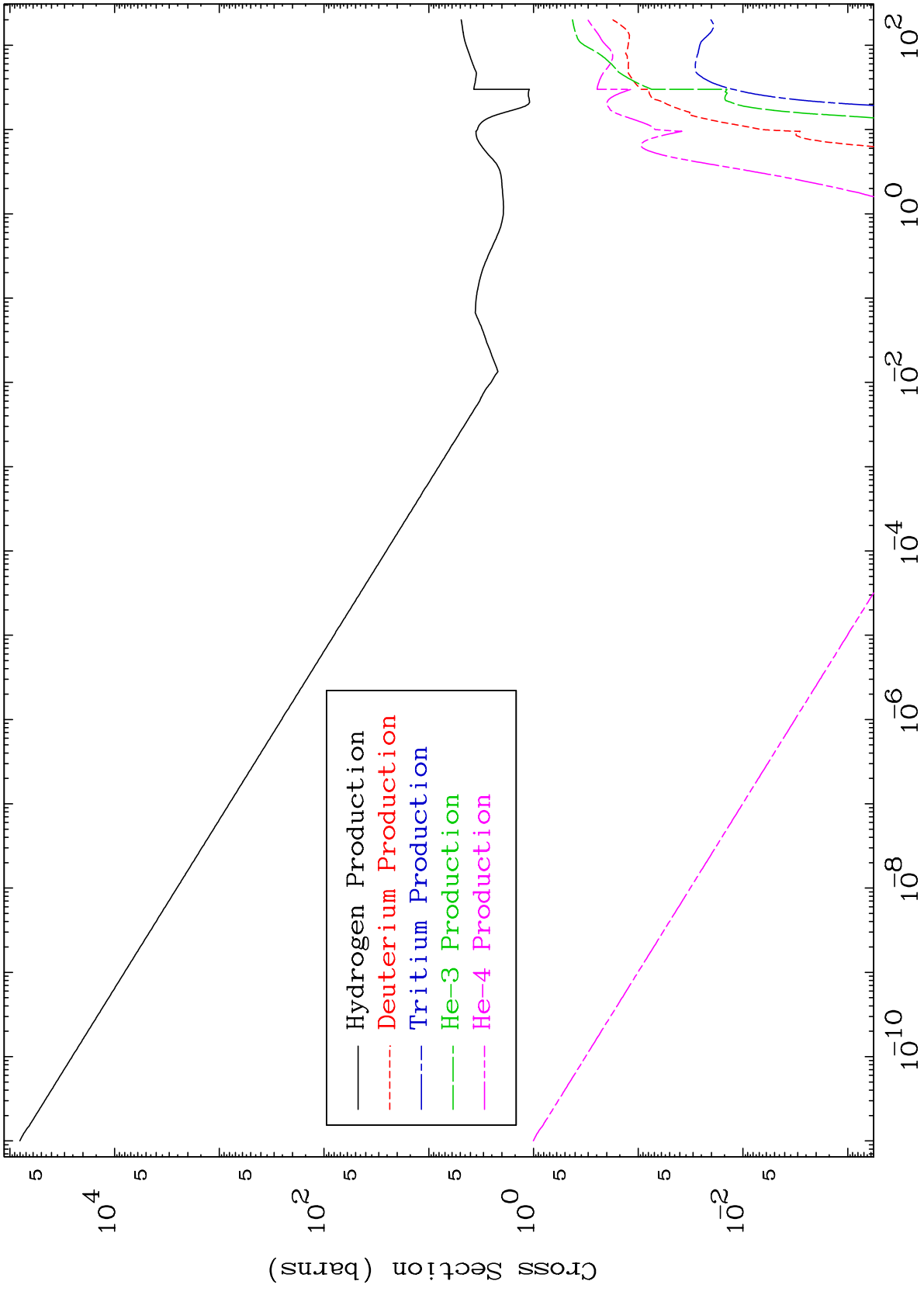
50-Sn-100



MAT 4989

Particle Production
293 Kelvin Cross Sections

50-Sn-100

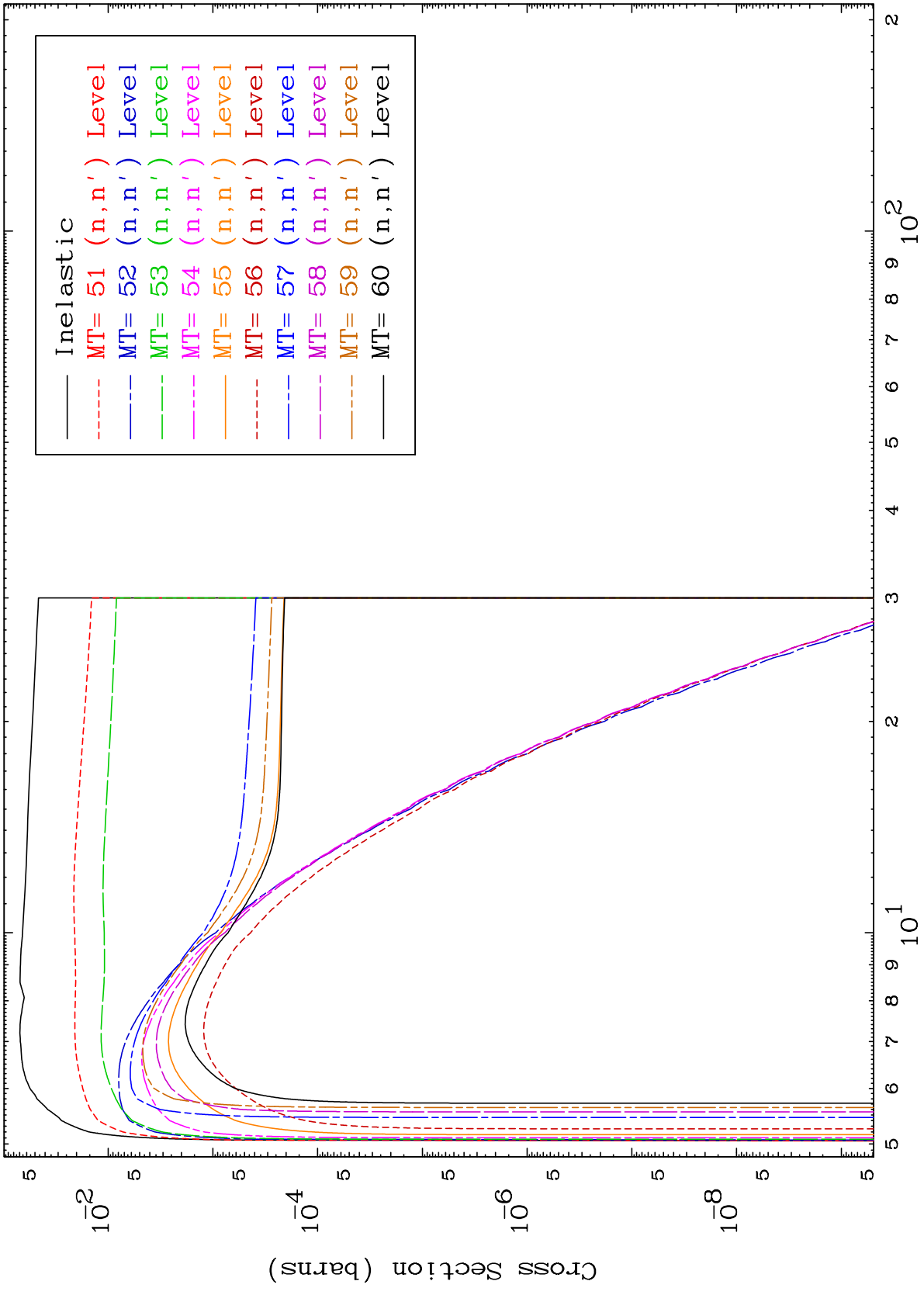


50-Sn-100

MAT 4989

(n,n') Levels
293 Kelvin Cross Sections

50-Sn-100



8

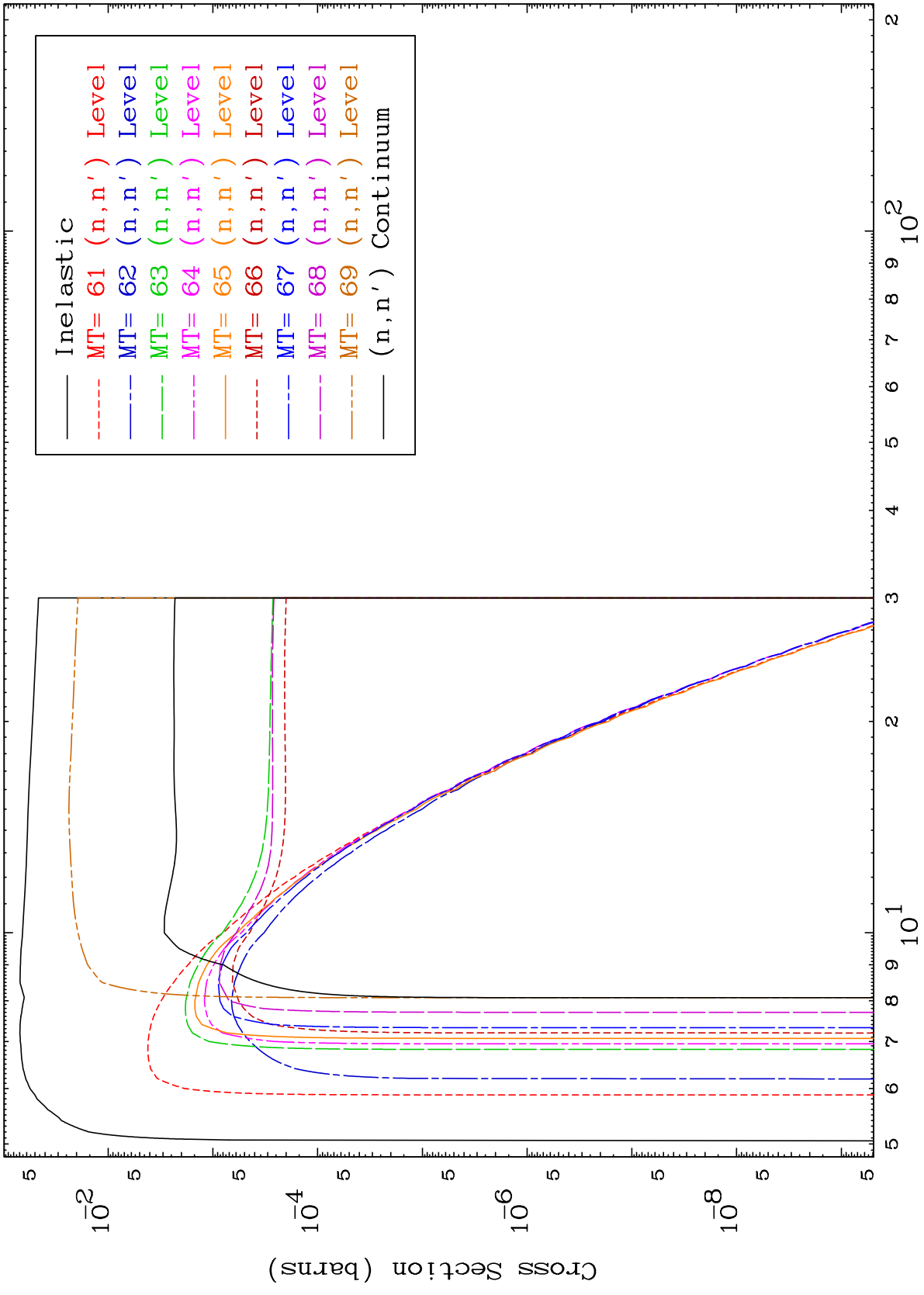
Incident Energy (MeV)

50-Sn-100

MAT 4989

(n,n') Levels
293 Kelvin Cross Sections

50-Sn-100



9

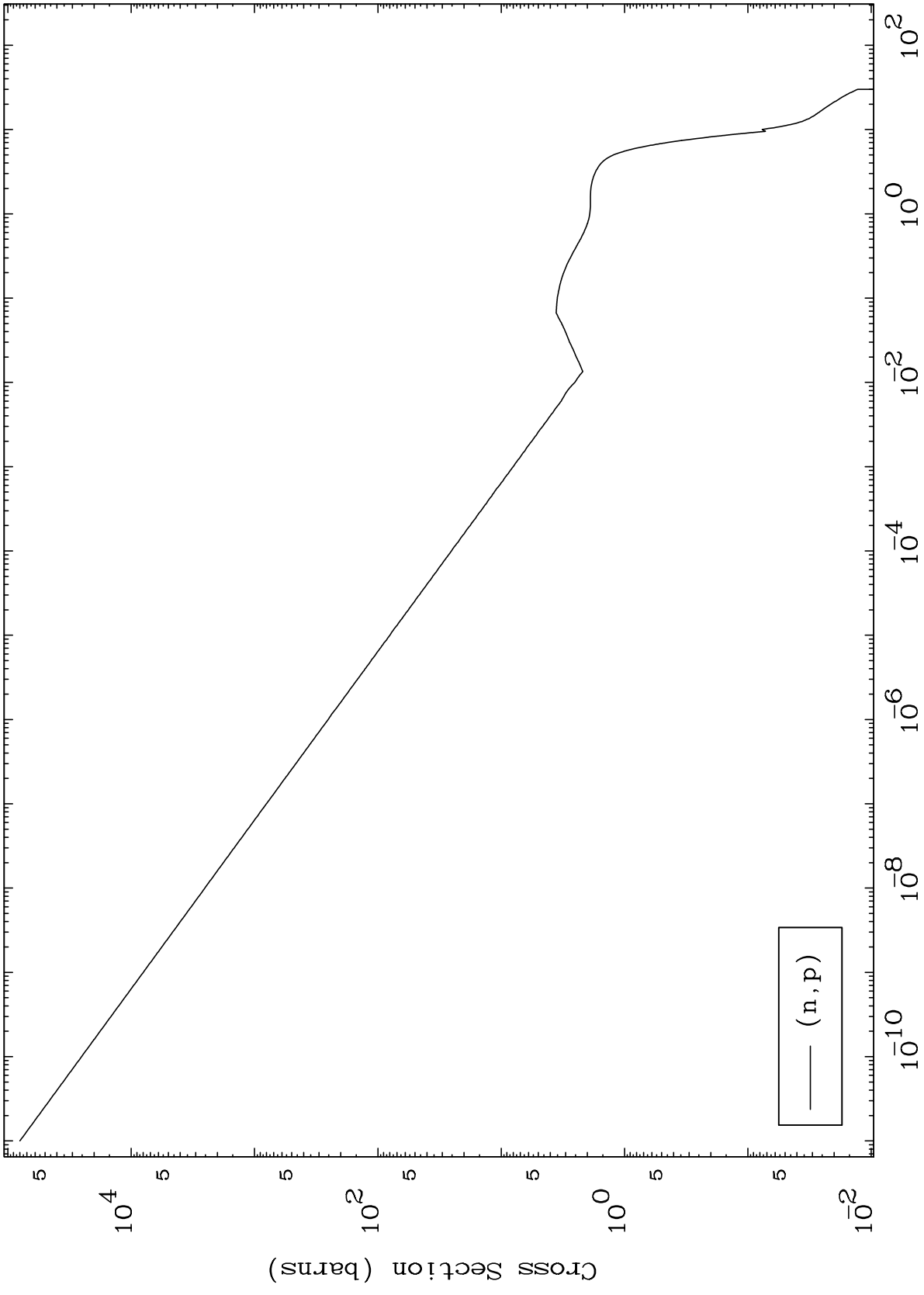
Incident Energy (MeV)

50-Sn-100

MAT 4989

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-100



— (n, p)

10

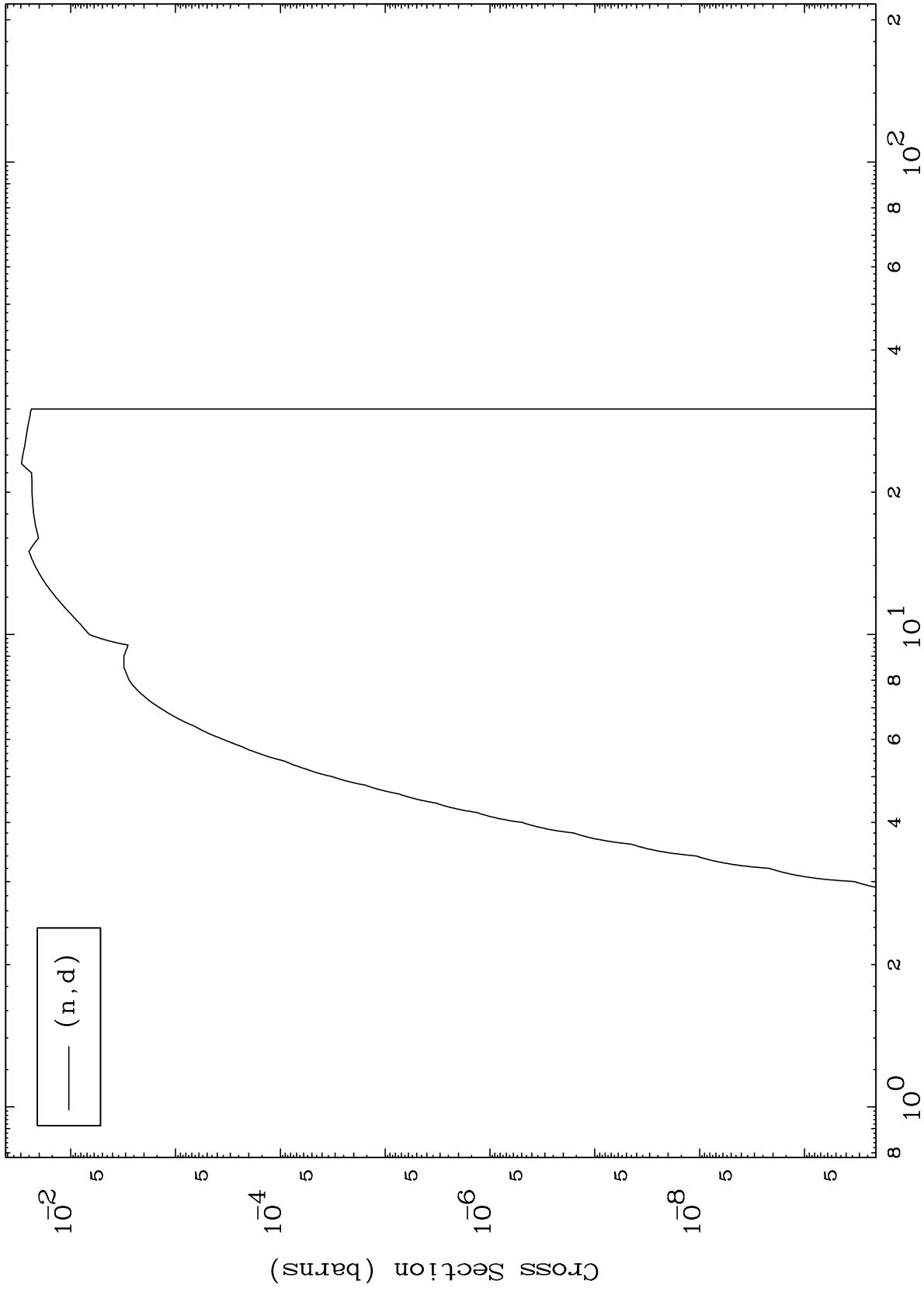
Incident Energy (MeV)

50-Sn-100

MAT 4989

(n,d) Levels
293 Kelvin Cross Sections

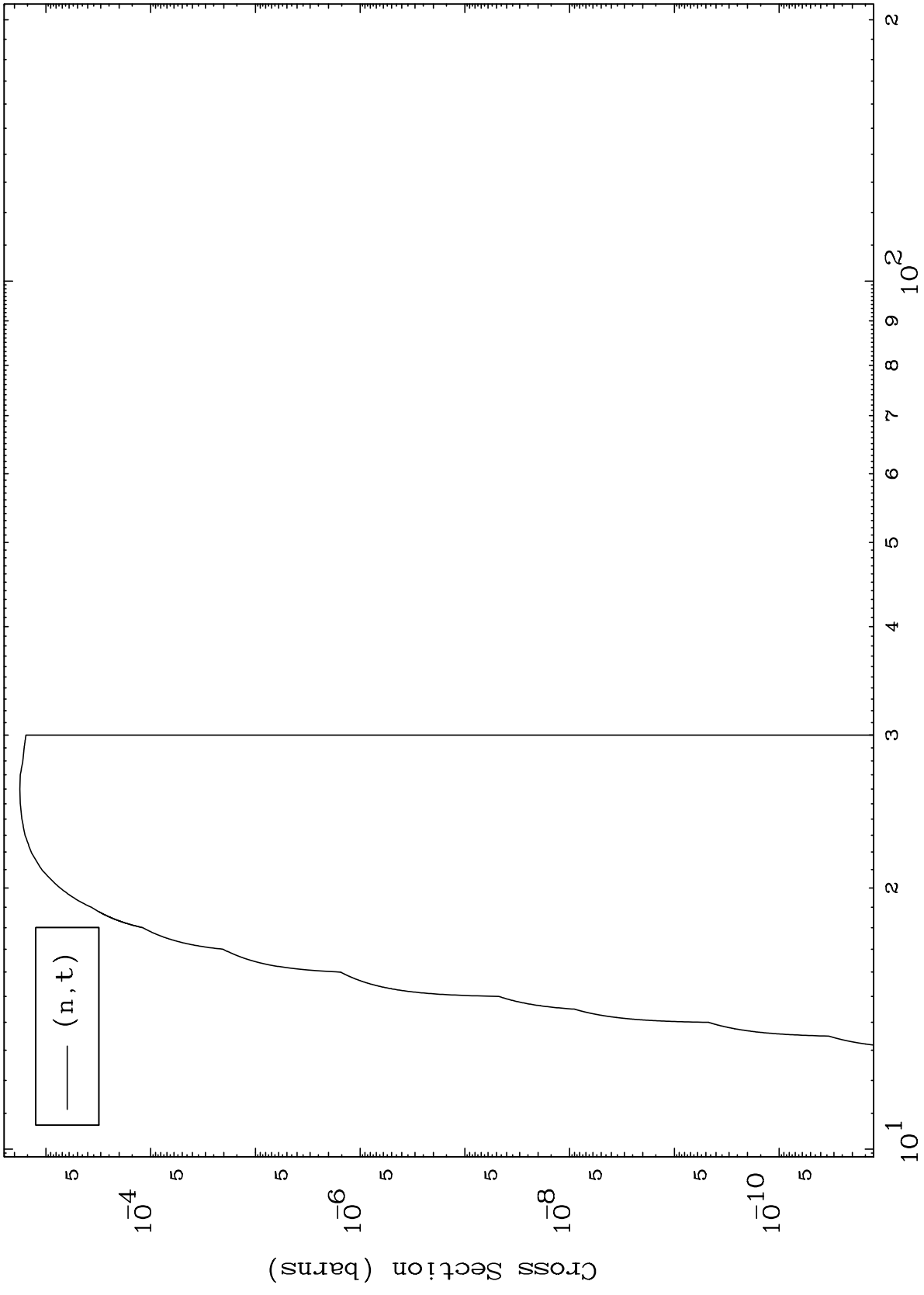
50-Sn-100



MAT 4989

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-100



10¹

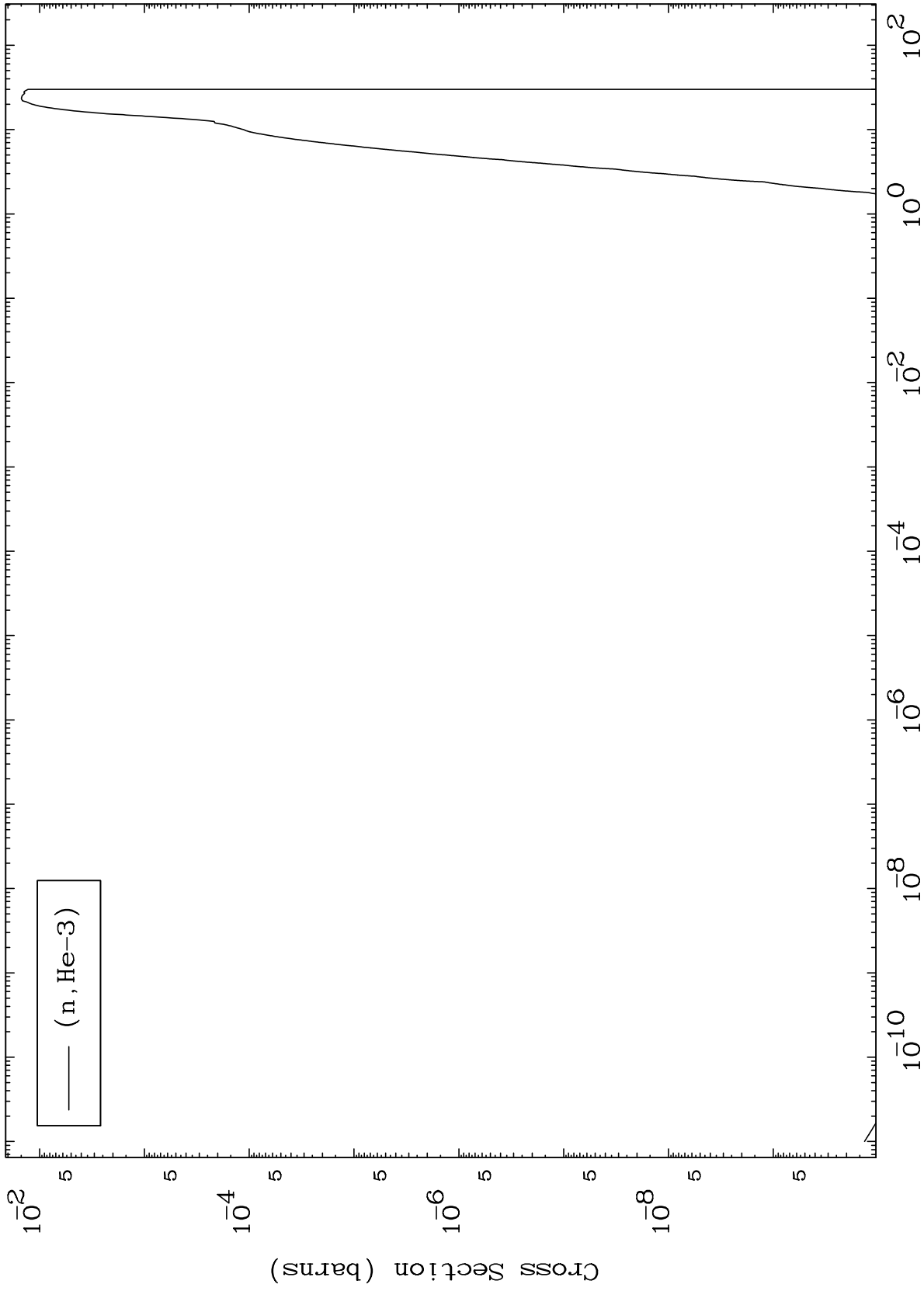
Incident Energy (MeV)

50-Sn-100

MAT 4989

(n,He3) Levels
293 Kelvin Cross Sections

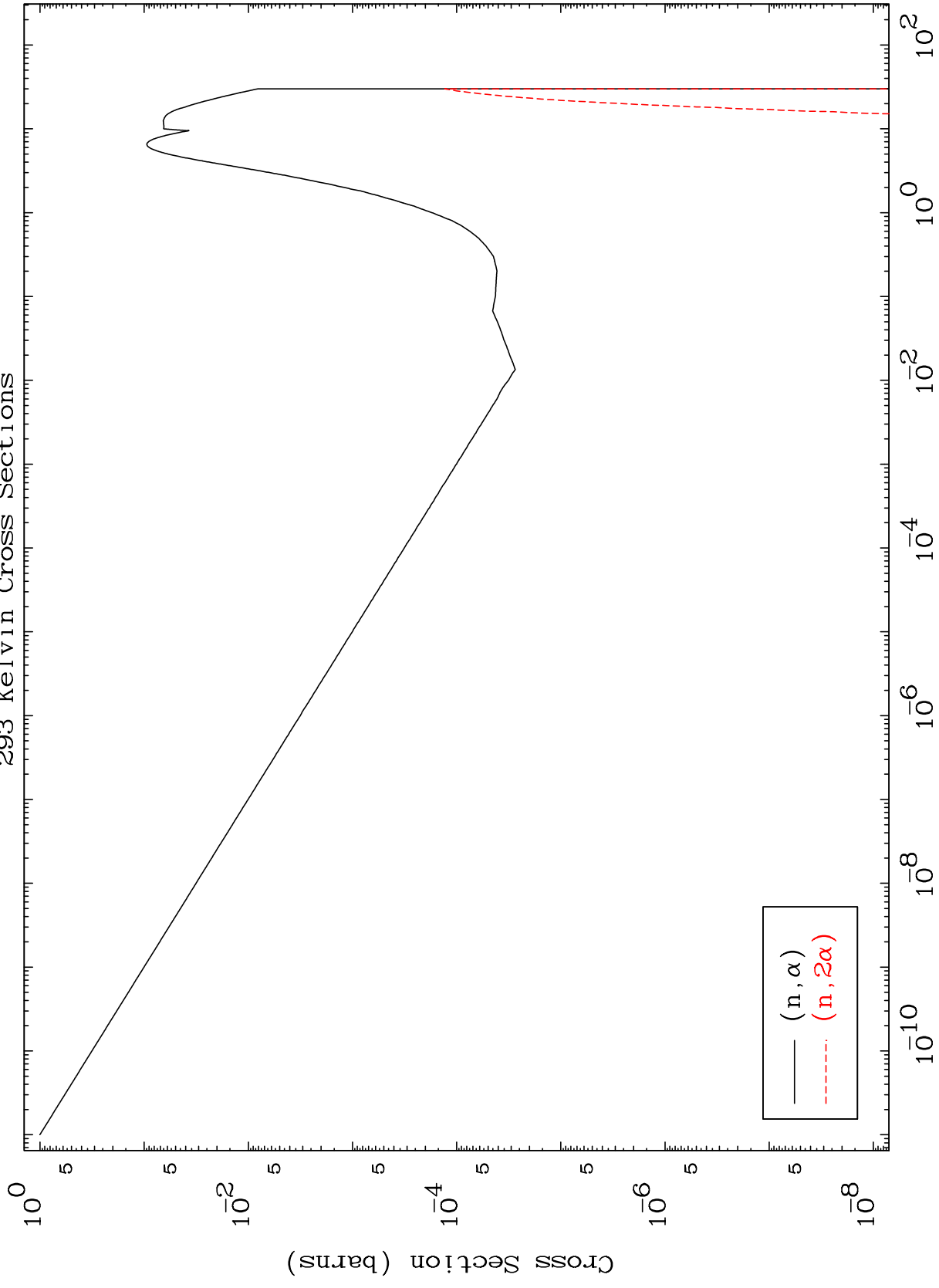
50-Sn-100



MAT 4989

(n,α) Levels
293 Kelvin Cross Sections

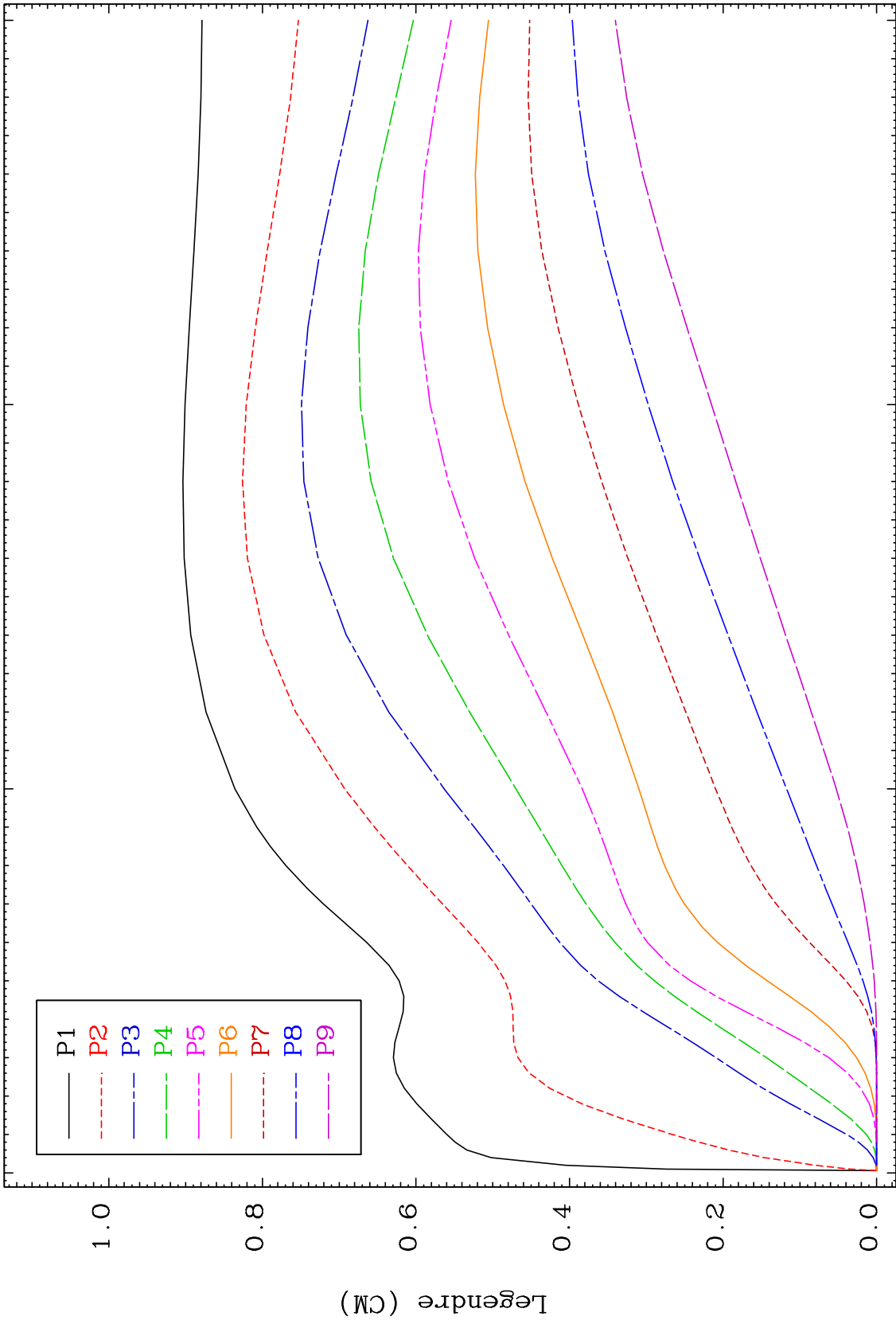
50-Sn-100



MAT 4989

Elastic Legendre Coefficients

50-Sn-100



15

10

20

50-Sn-100

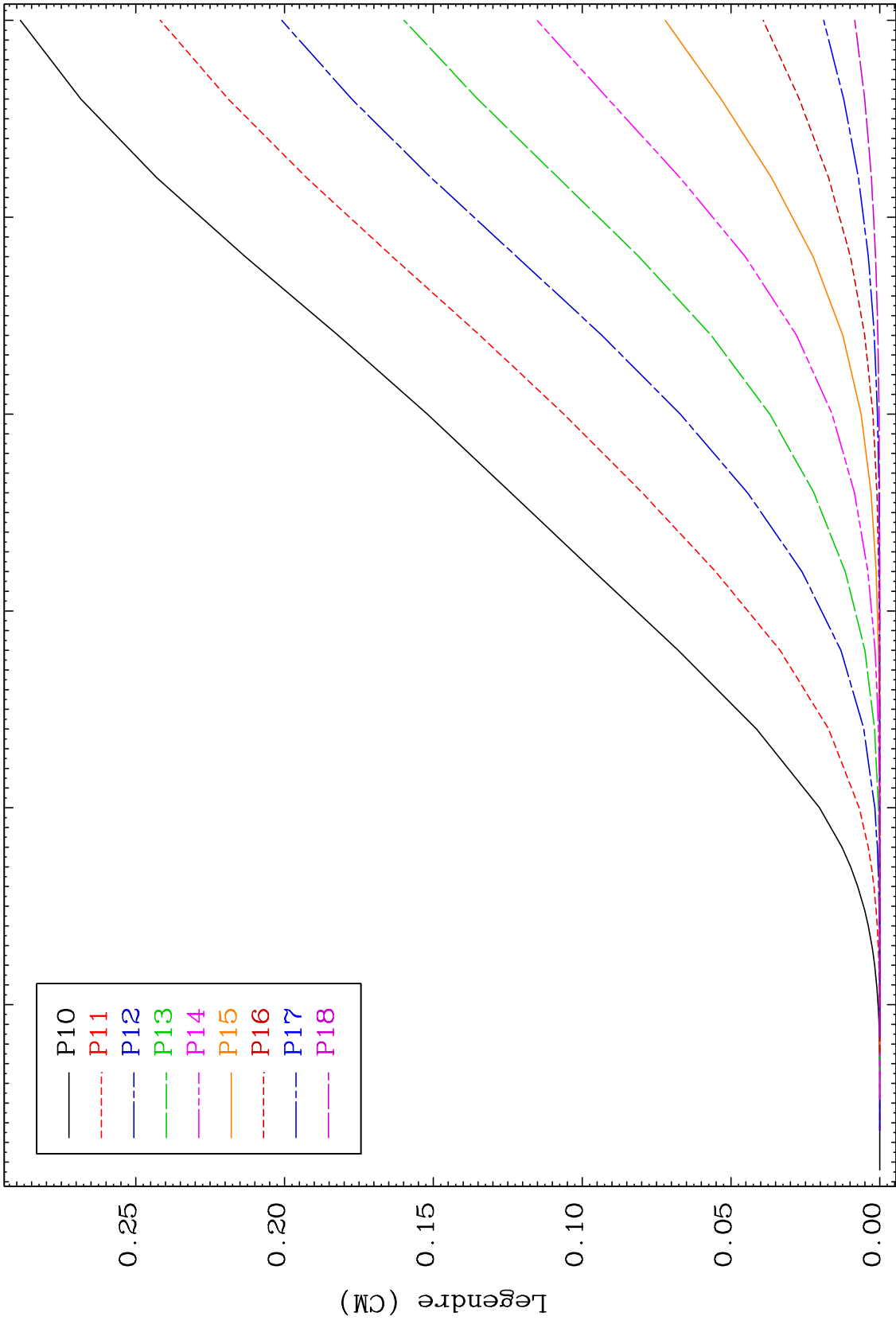
Legendre (CM)

Incident Energy (MeV)

MAT 4989

Elastic Legendre Coefficients

50-Sn-100



16

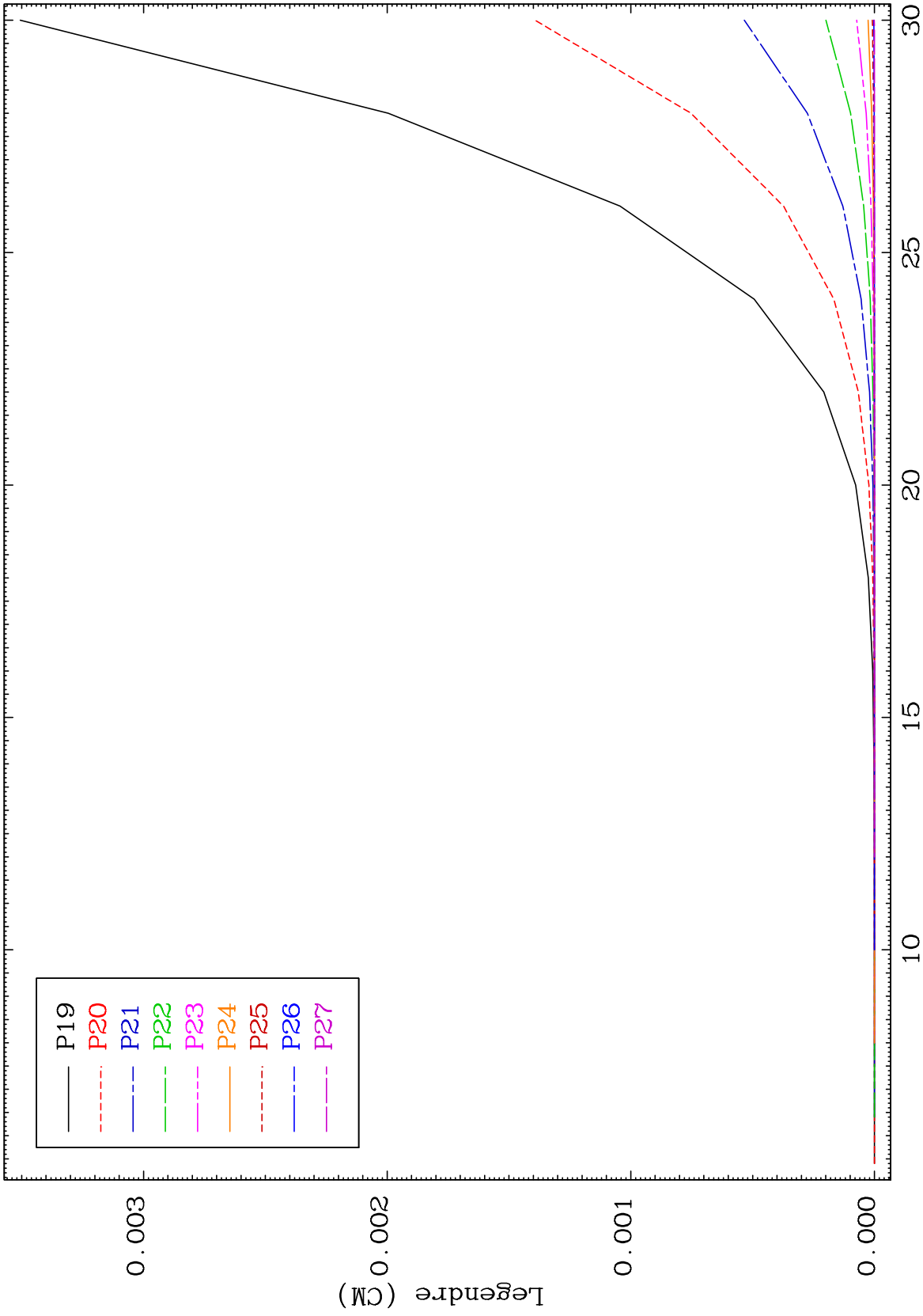
Incident Energy (MeV)

50-Sn-100

MAT 4989

Elastic
Legendre Coefficients

50-Sn-100



17

Incident Energy (MeV)

50-Sn-100

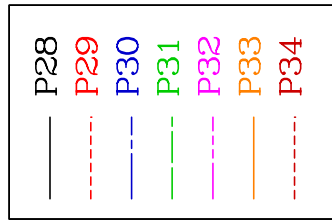
MAT 4989

Elastic Legendre Coefficients

50-Sn-100

$\times 10^{-7}$
0.5

Legendre (CM)
0.0
-0.5
-1.0

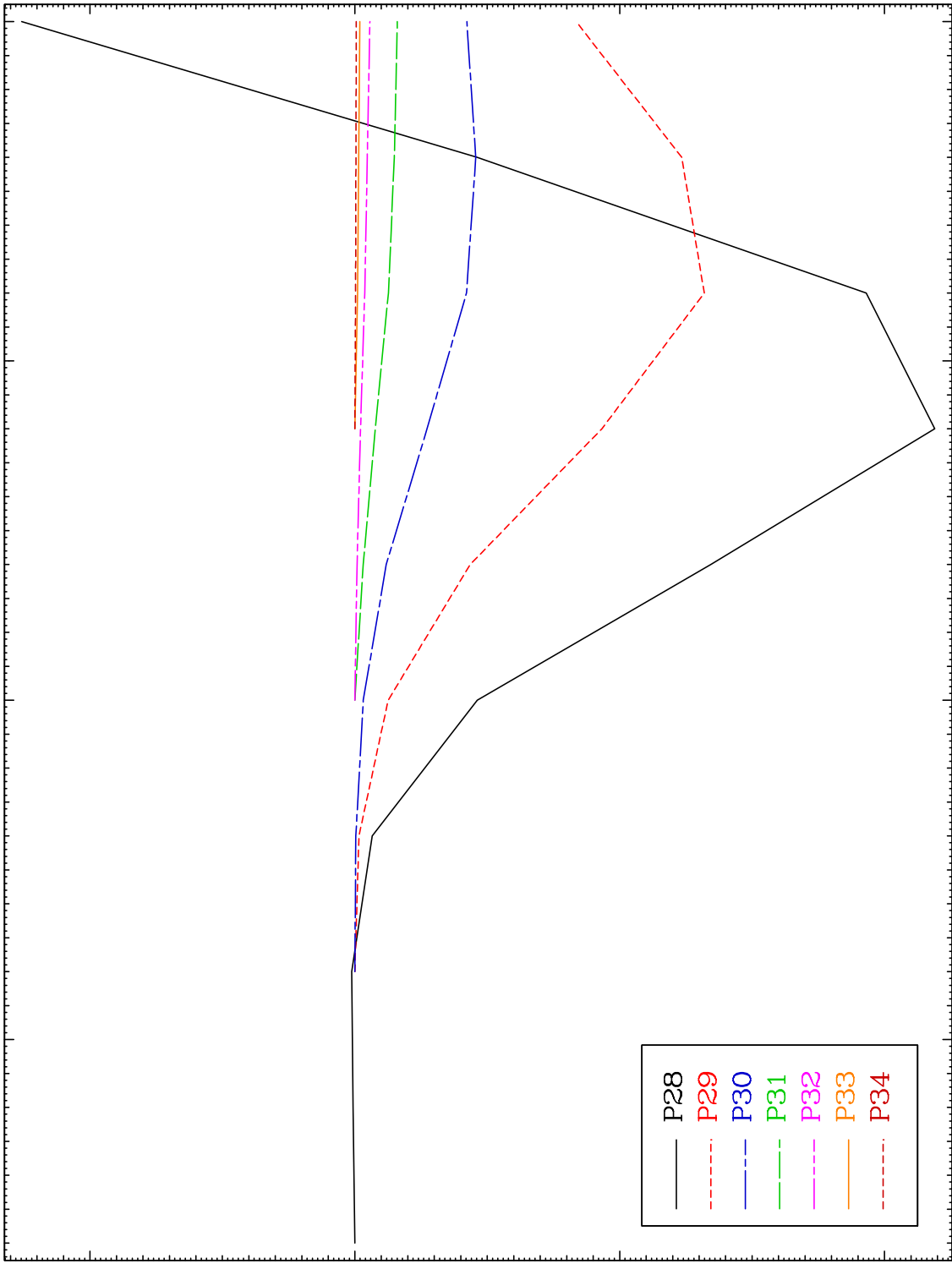


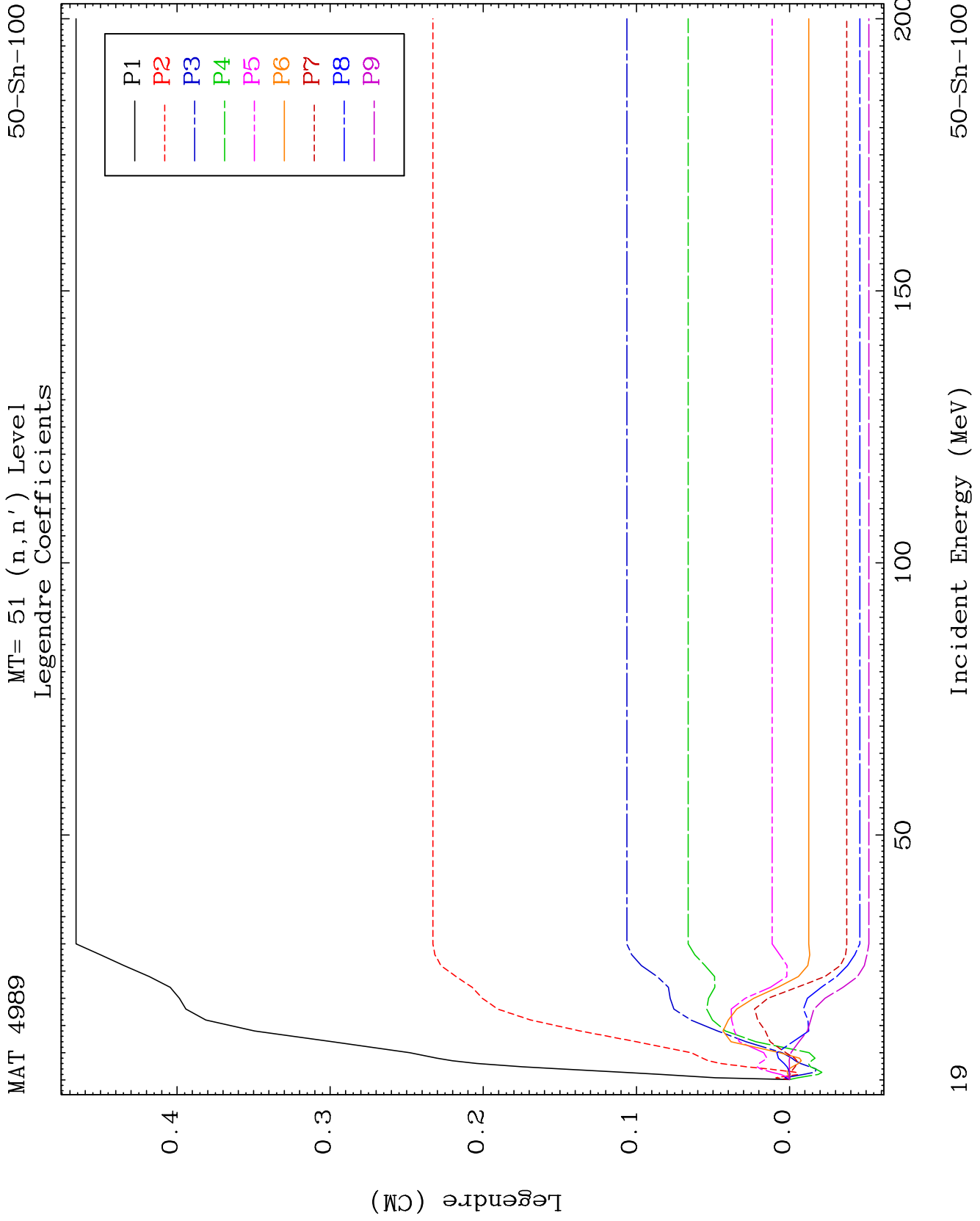
15 20 25 30

Incident Energy (MeV)

50-Sn-100

18

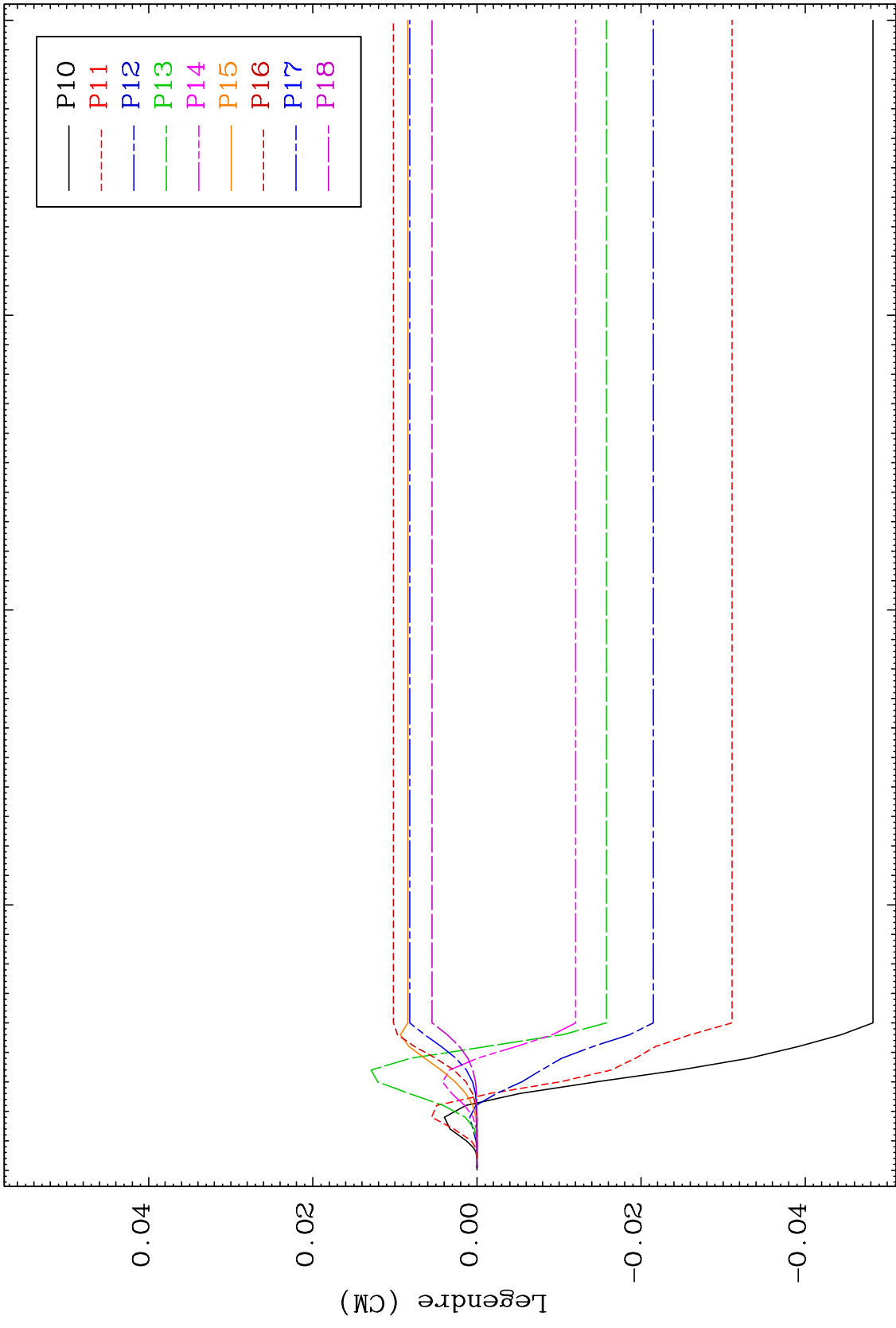




MAT 4989

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

50-Sn-100

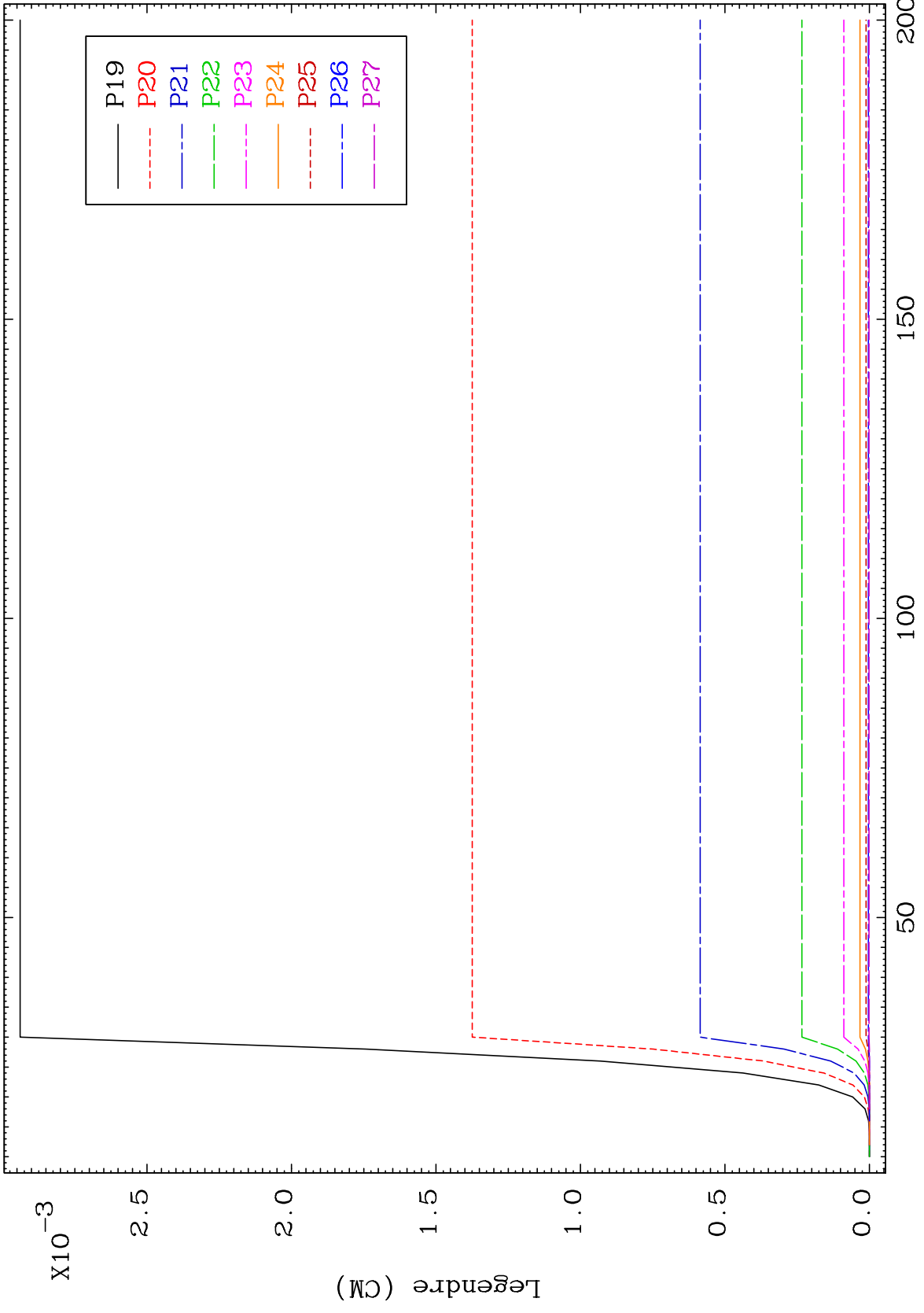


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Incident Energy (MeV)

50-Sn-100

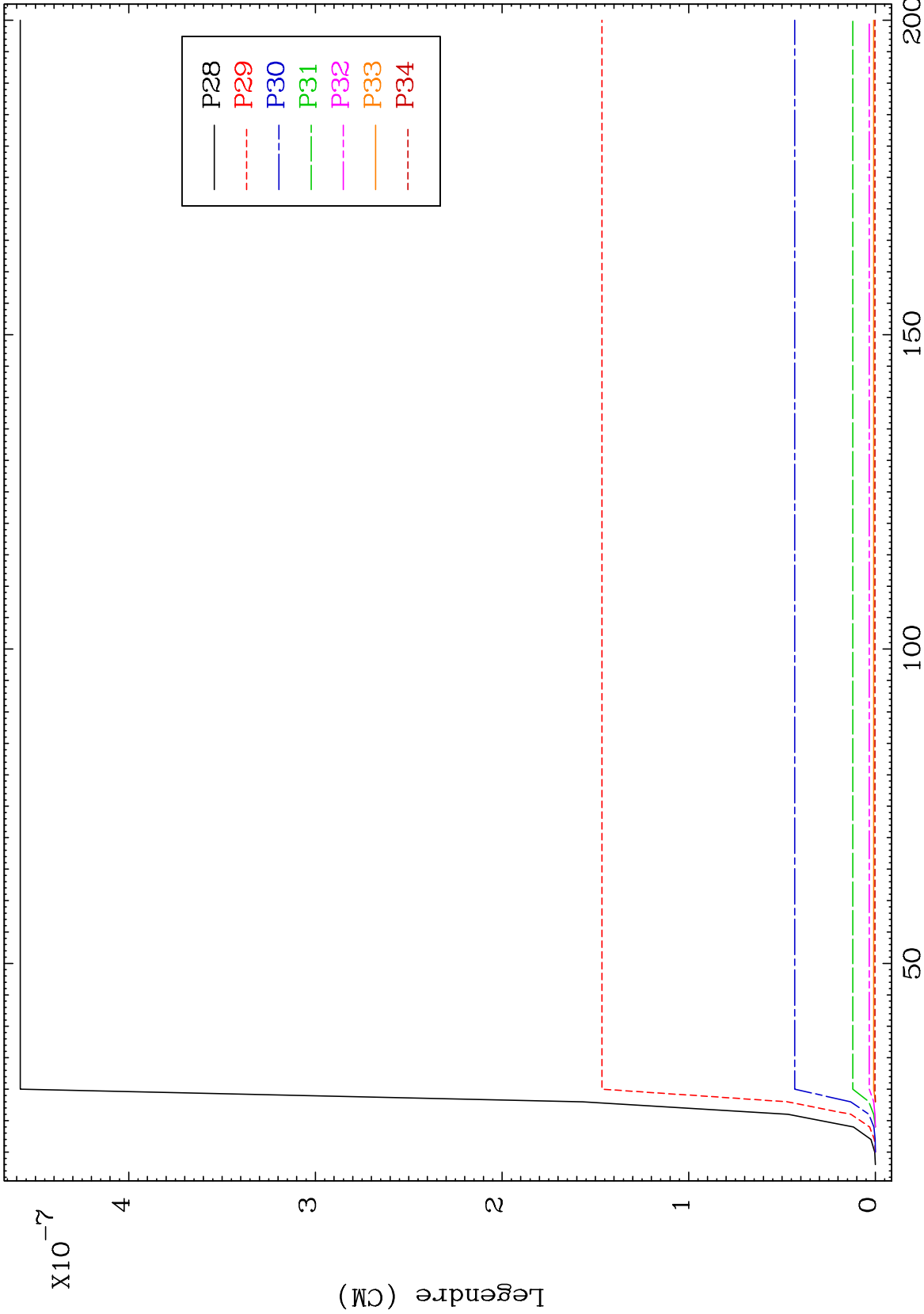
MAT 4989 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-100



MAT 4989

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

50-Sn-100

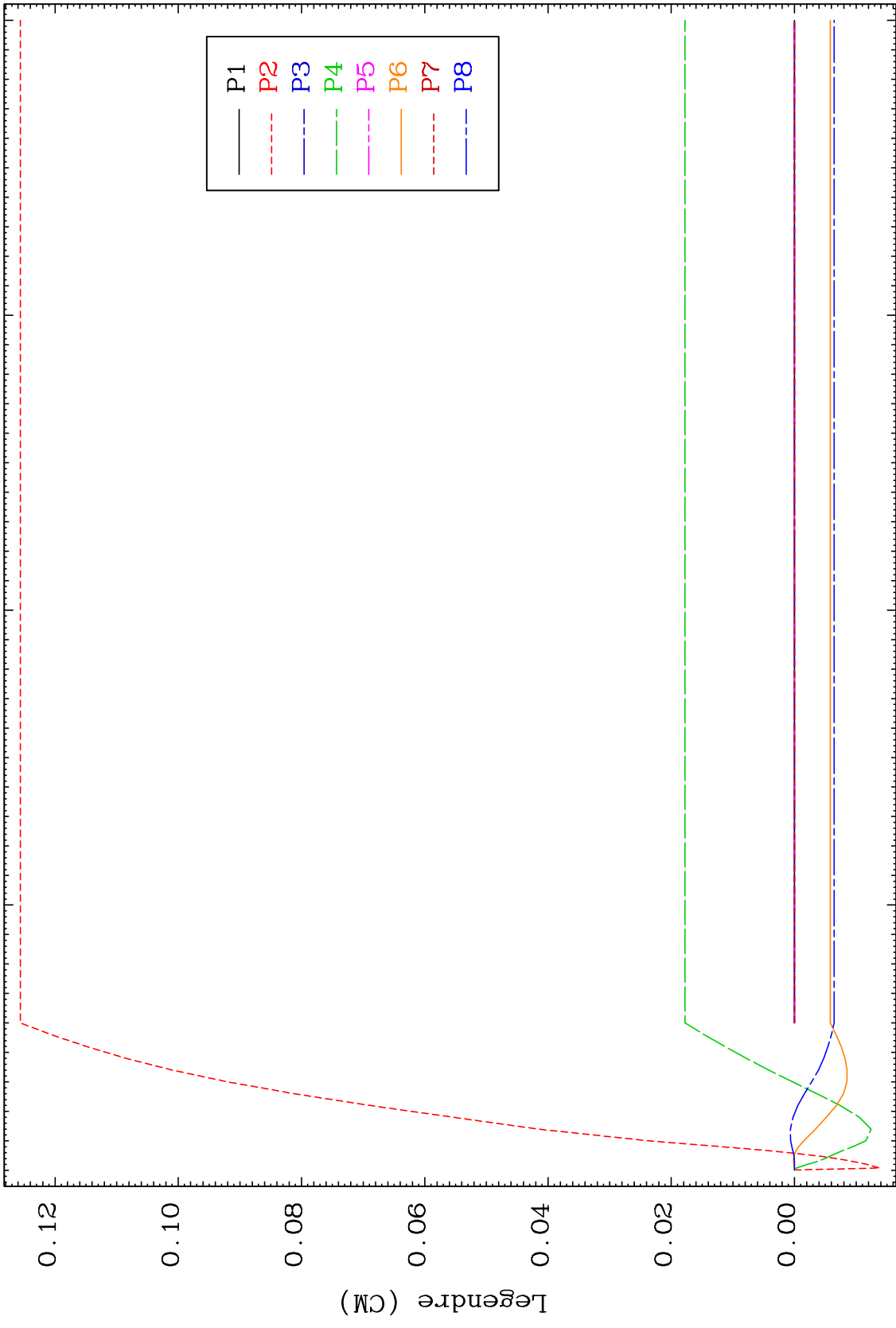


22

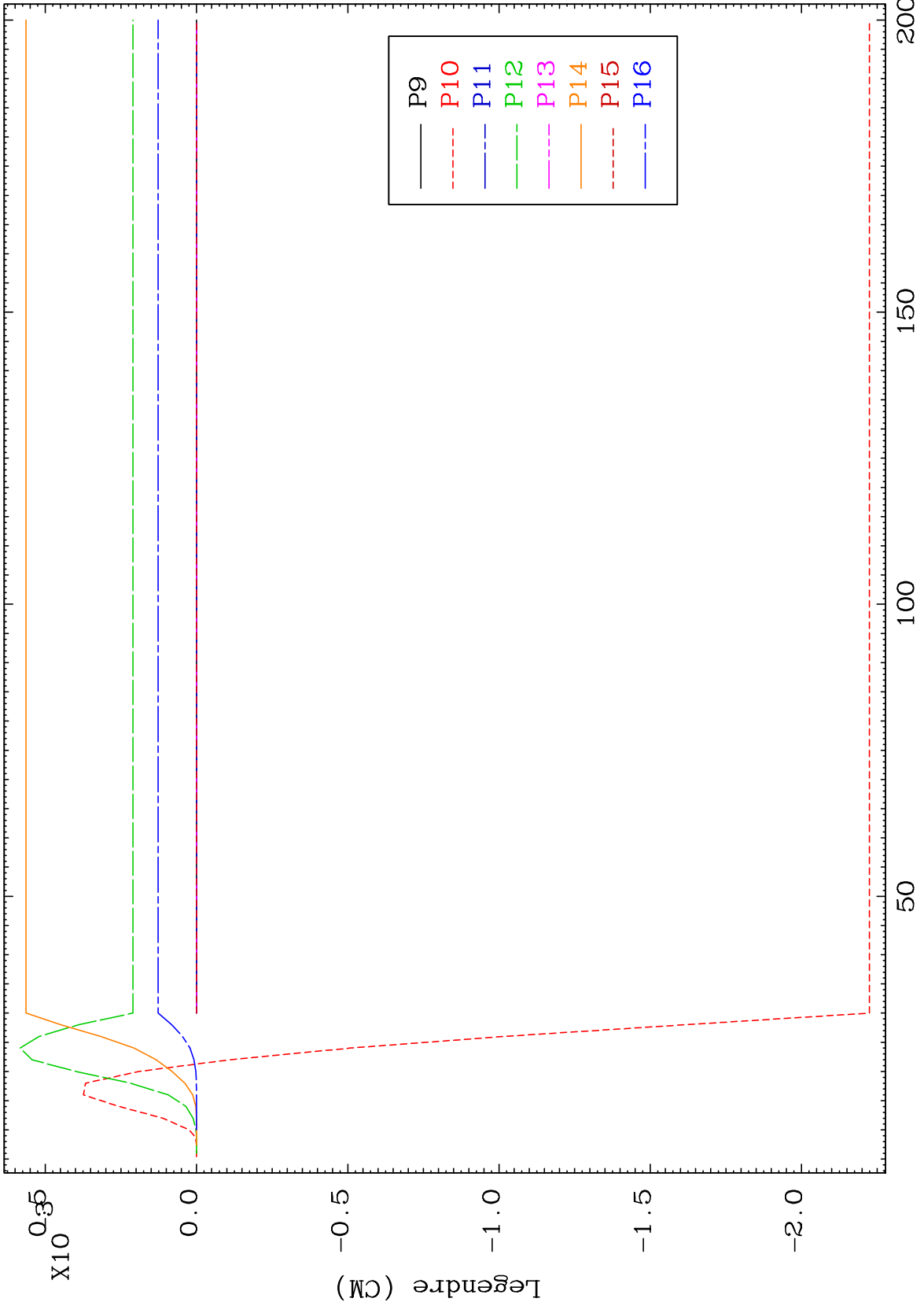
Incident Energy (MeV)

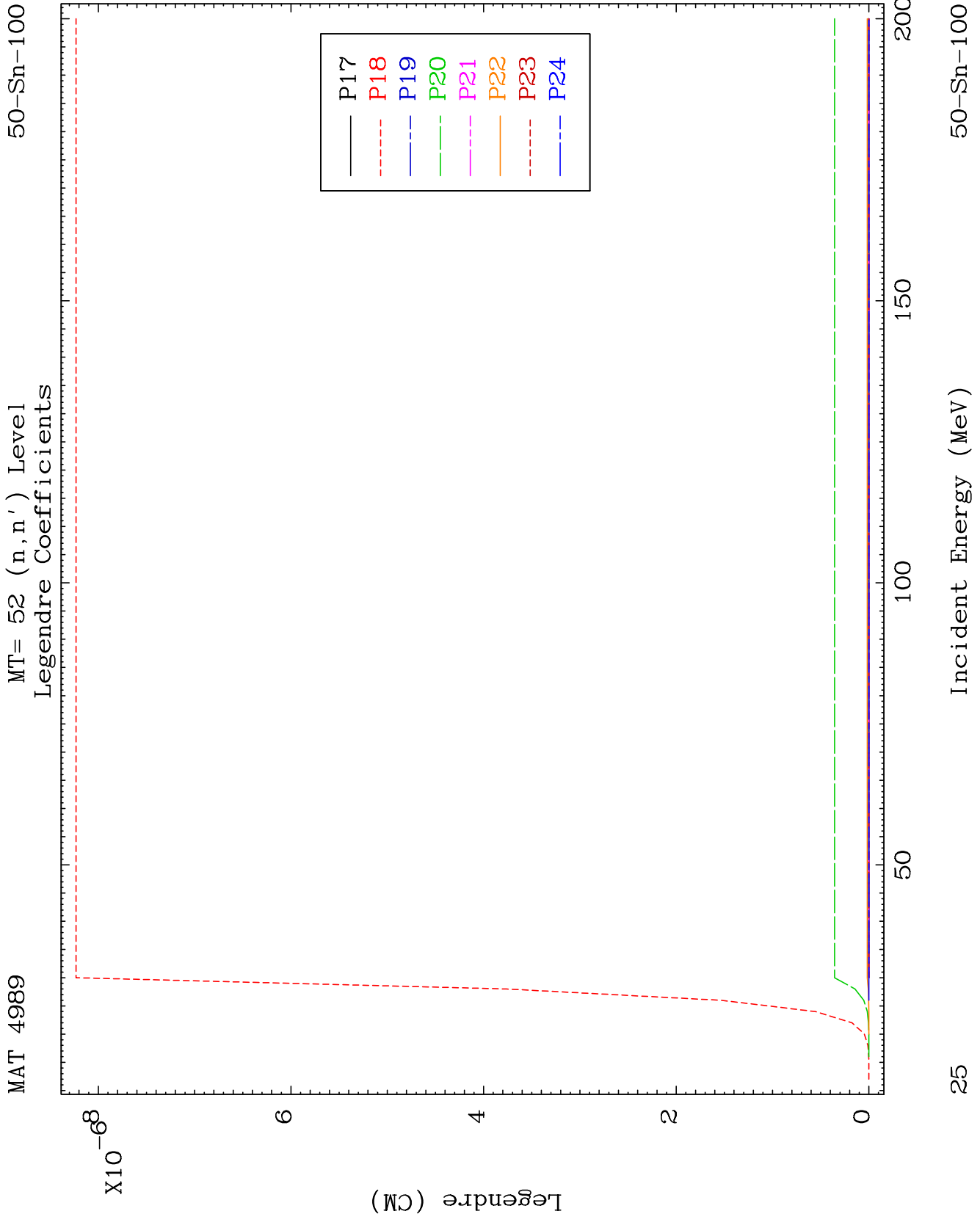
50-Sn-100

MAT 4989 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-100



MAT 4989 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-100

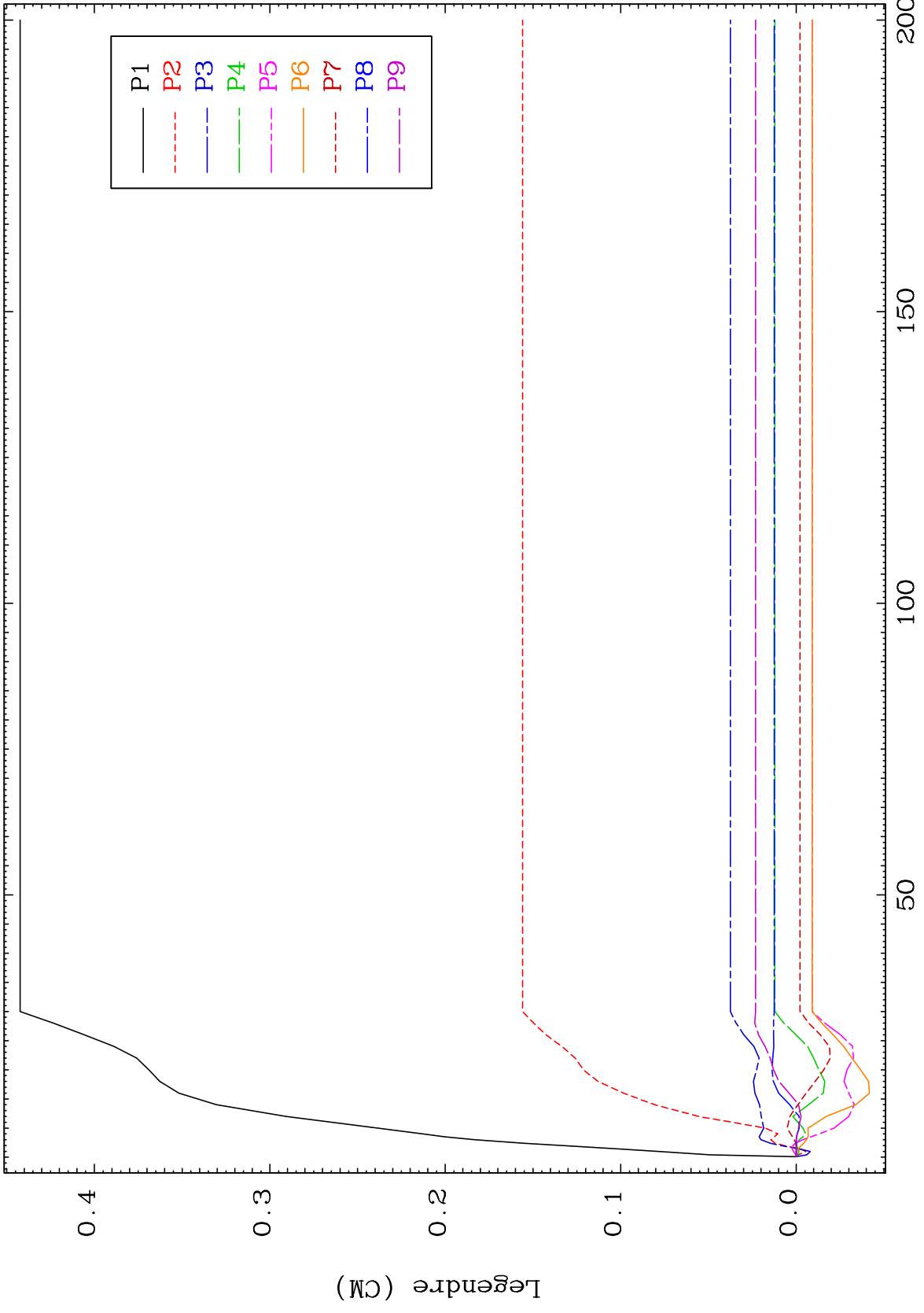




MAT 4989

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

50-Sn-100

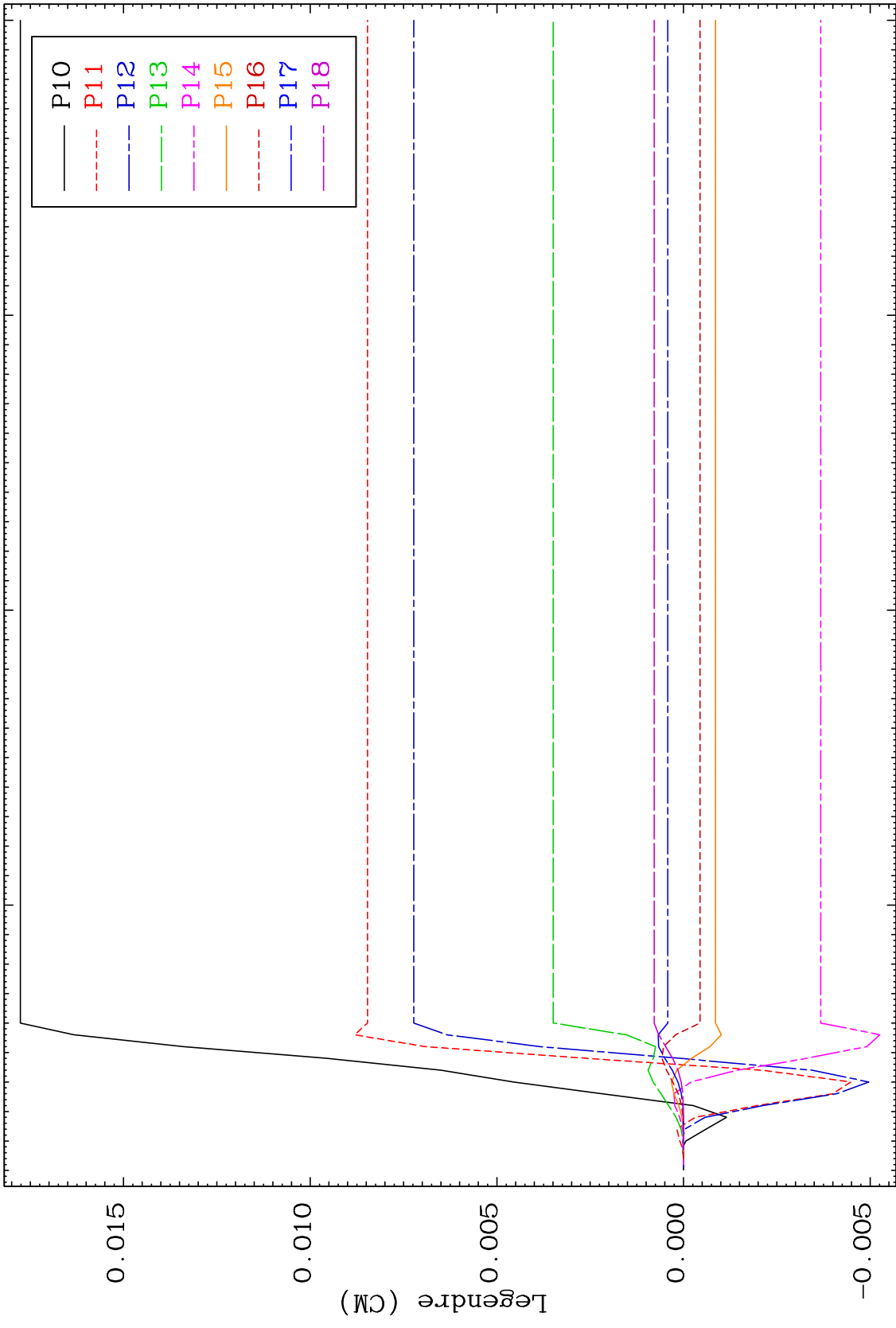


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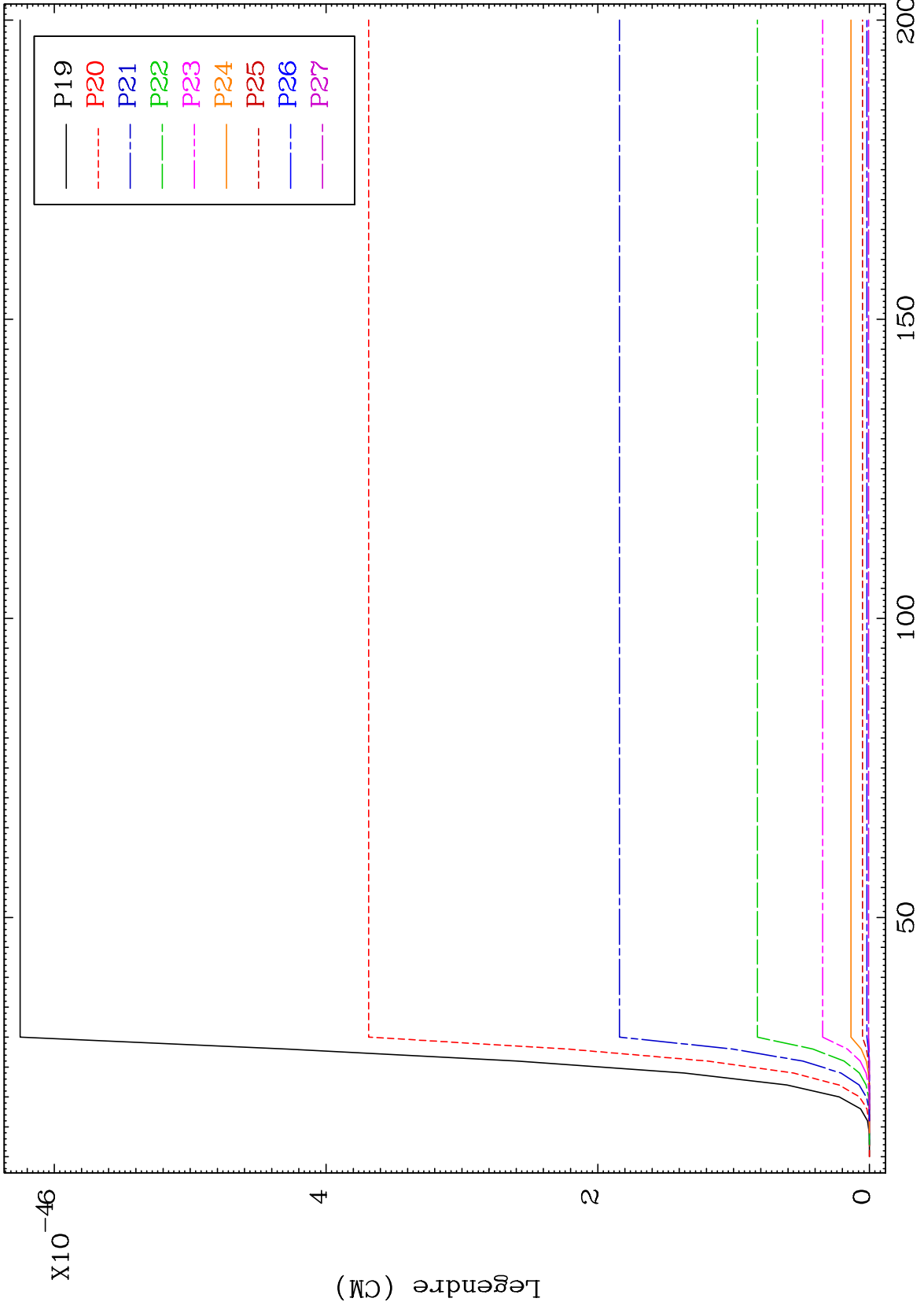
Incident Energy (MeV)

50-Sn-100

MAT 4989 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-100



MAT 4989 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-100



28

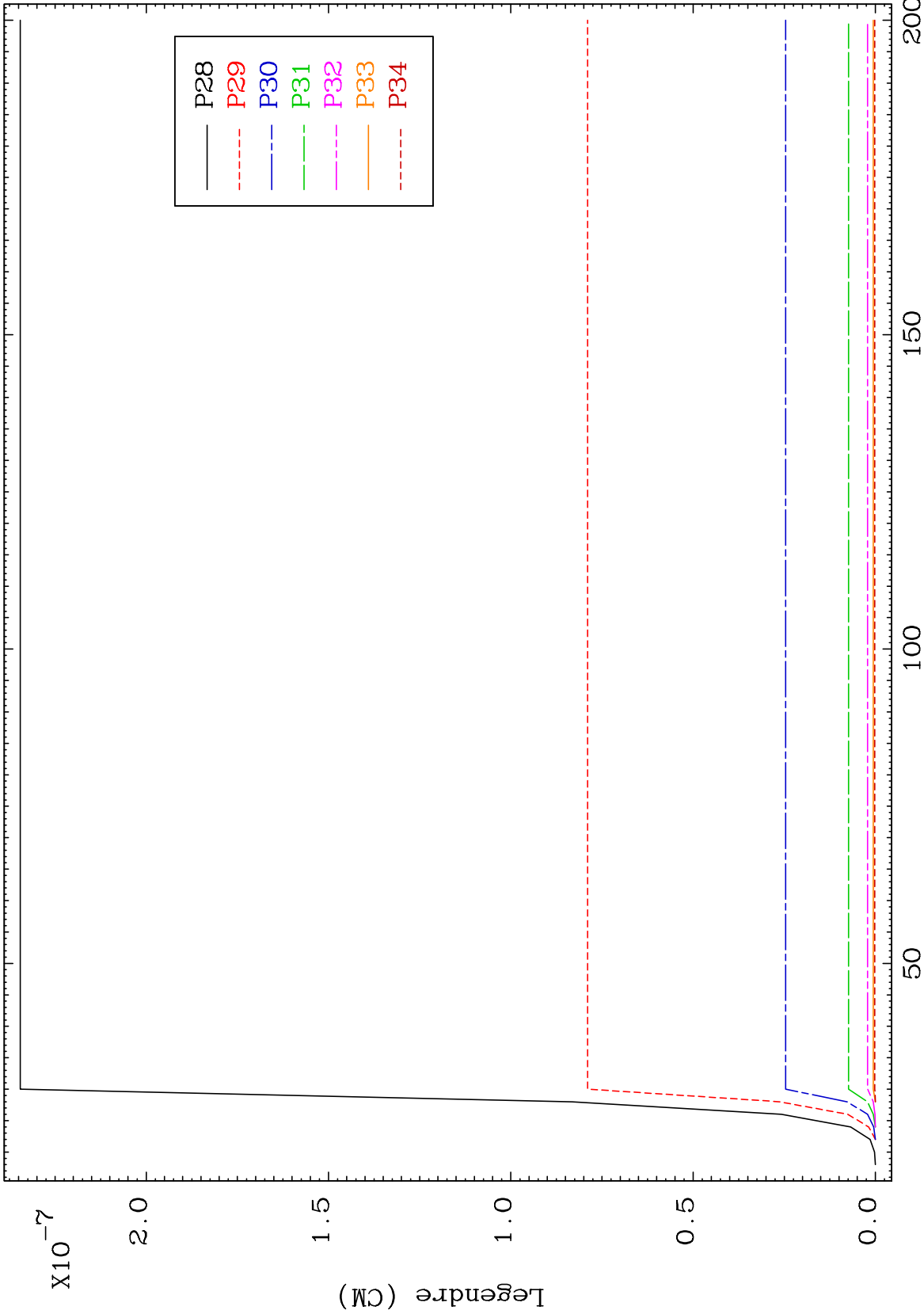
Incident Energy (MeV)

50-Sn-100

MAT 4989

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

50-Sn-100



29

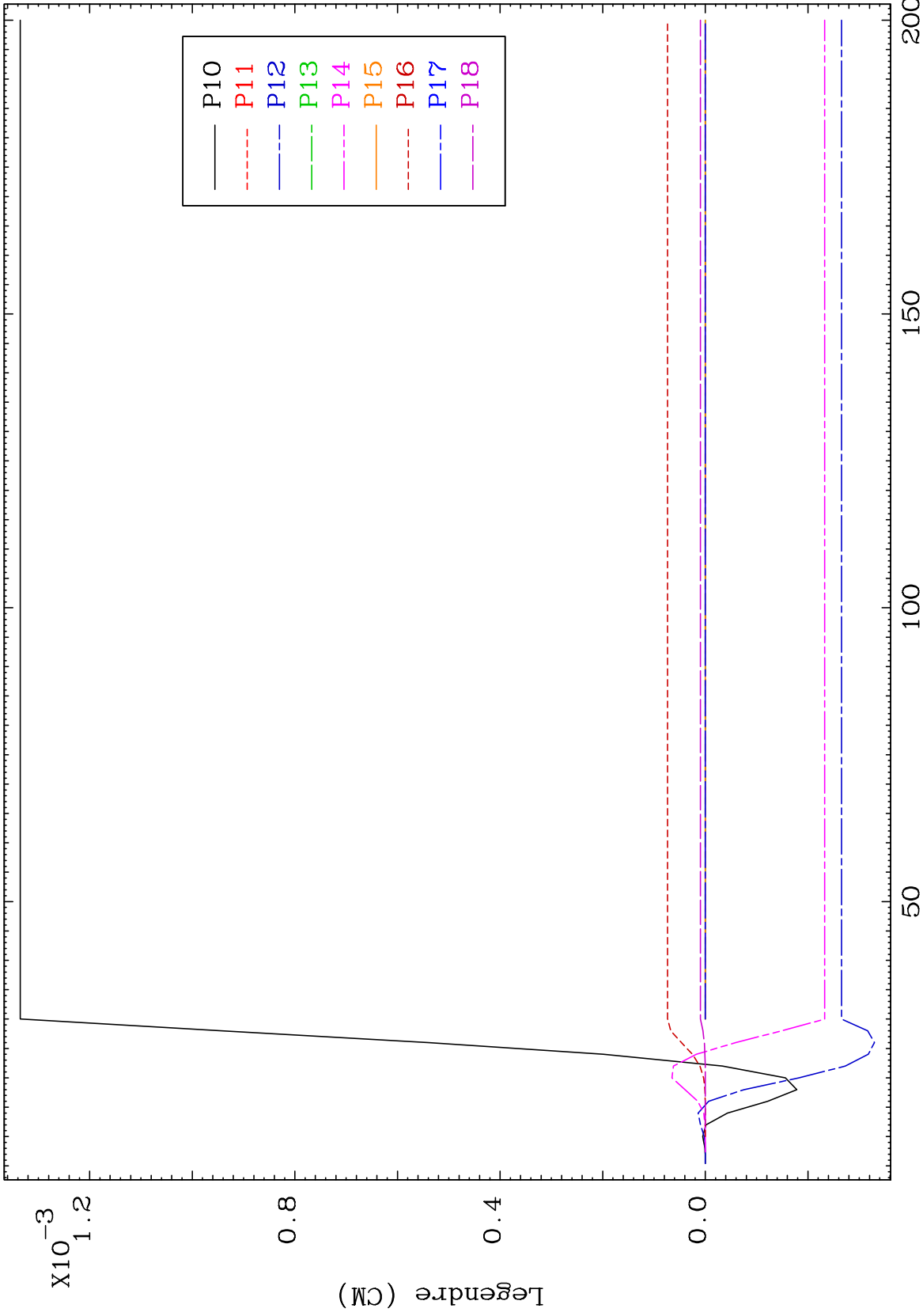
Incident Energy (MeV)

50-Sn-100

MAT 4989

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

50-Sn-100

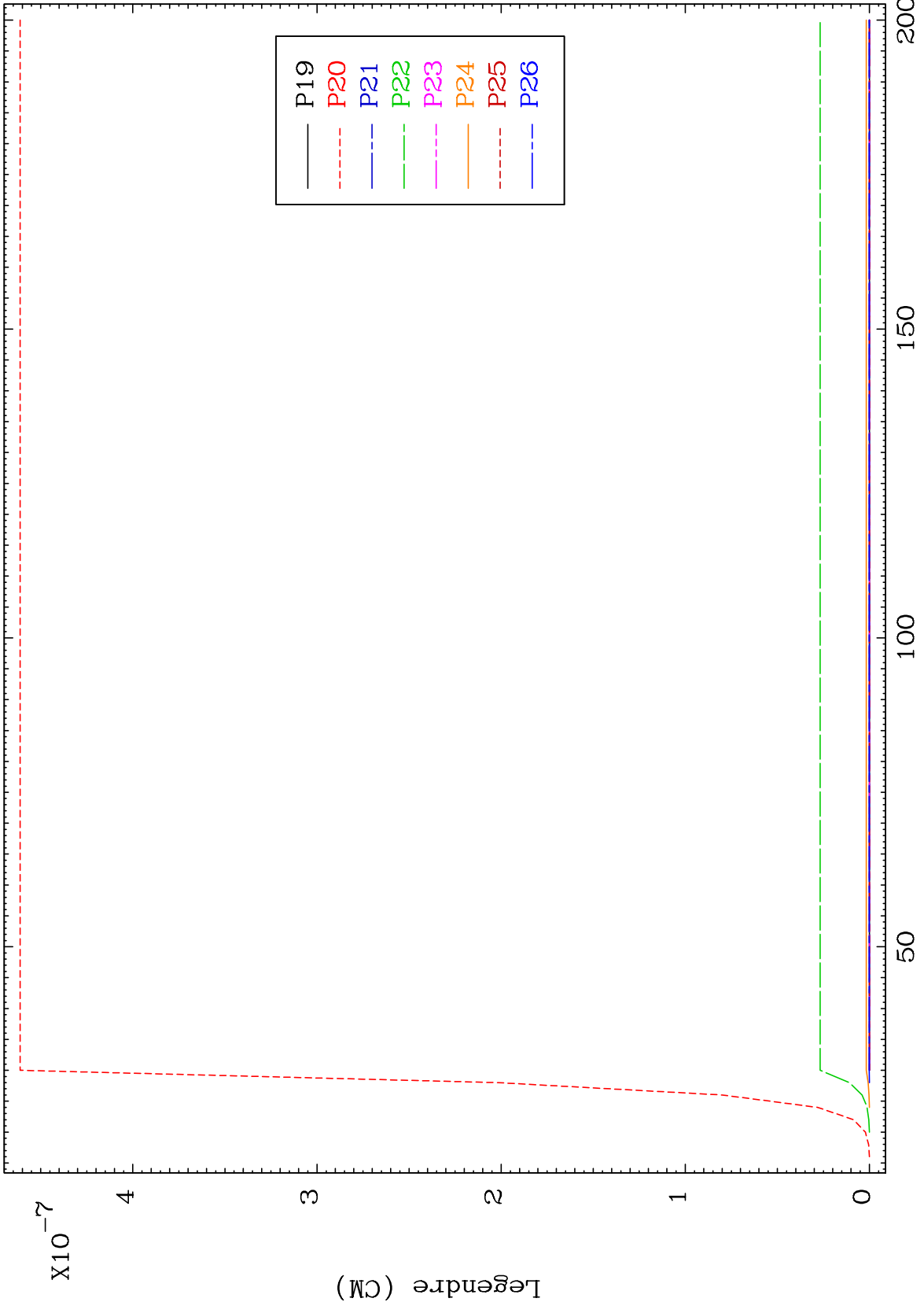


31

Incident Energy (MeV)

50-Sn-100

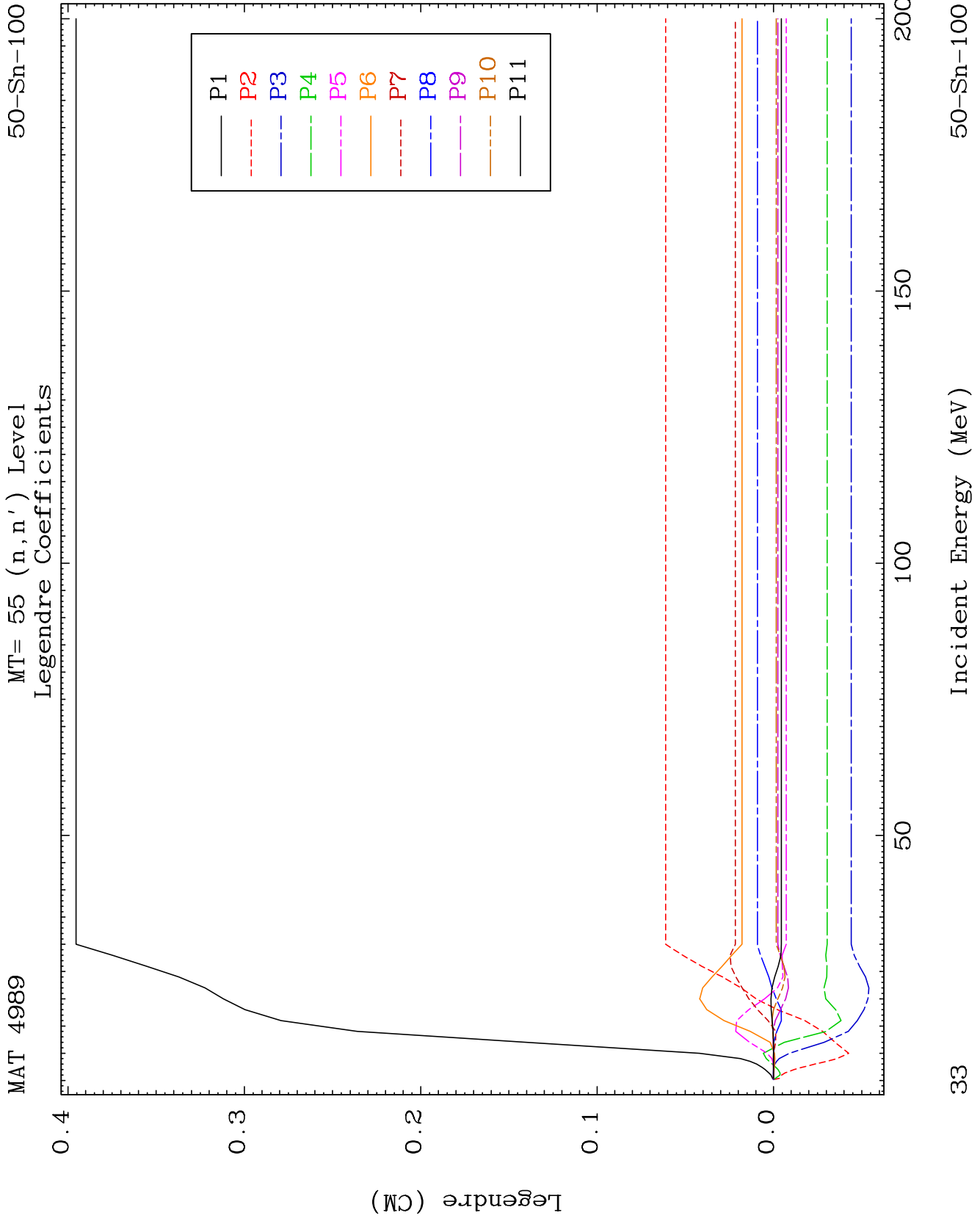
MAT 4989 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-100

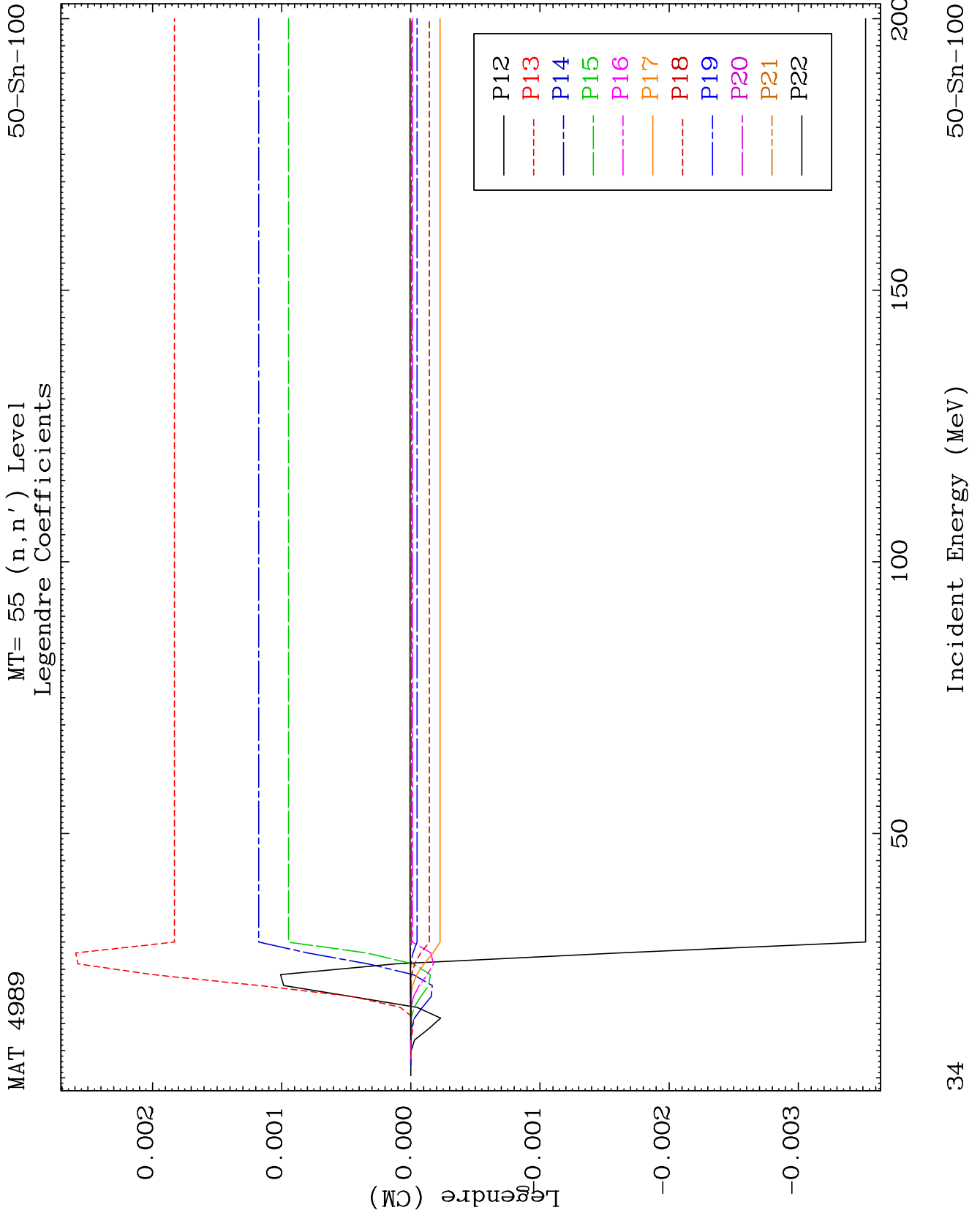


32

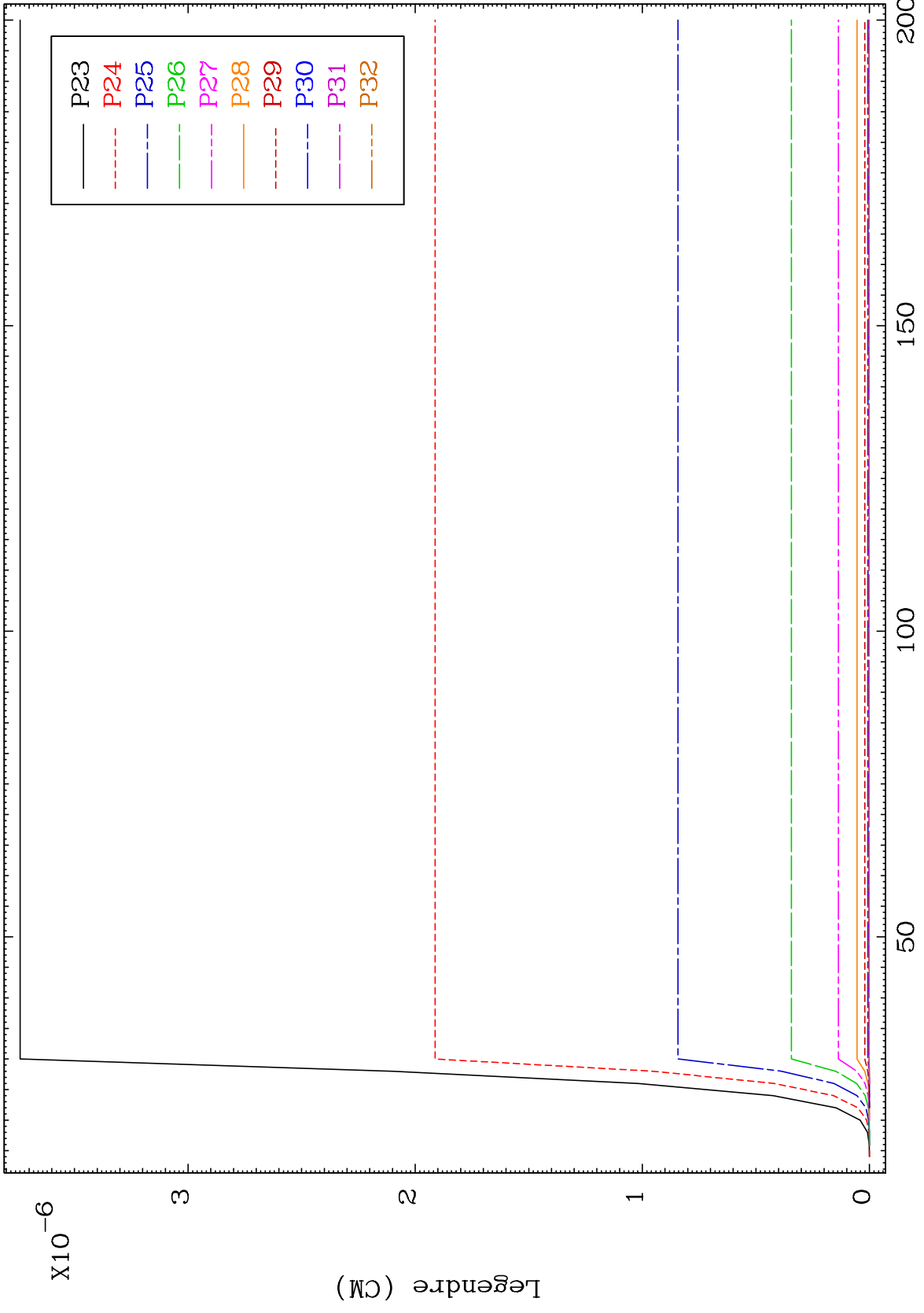
Incident Energy (MeV)

50-Sn-100





MAT 4989 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-100

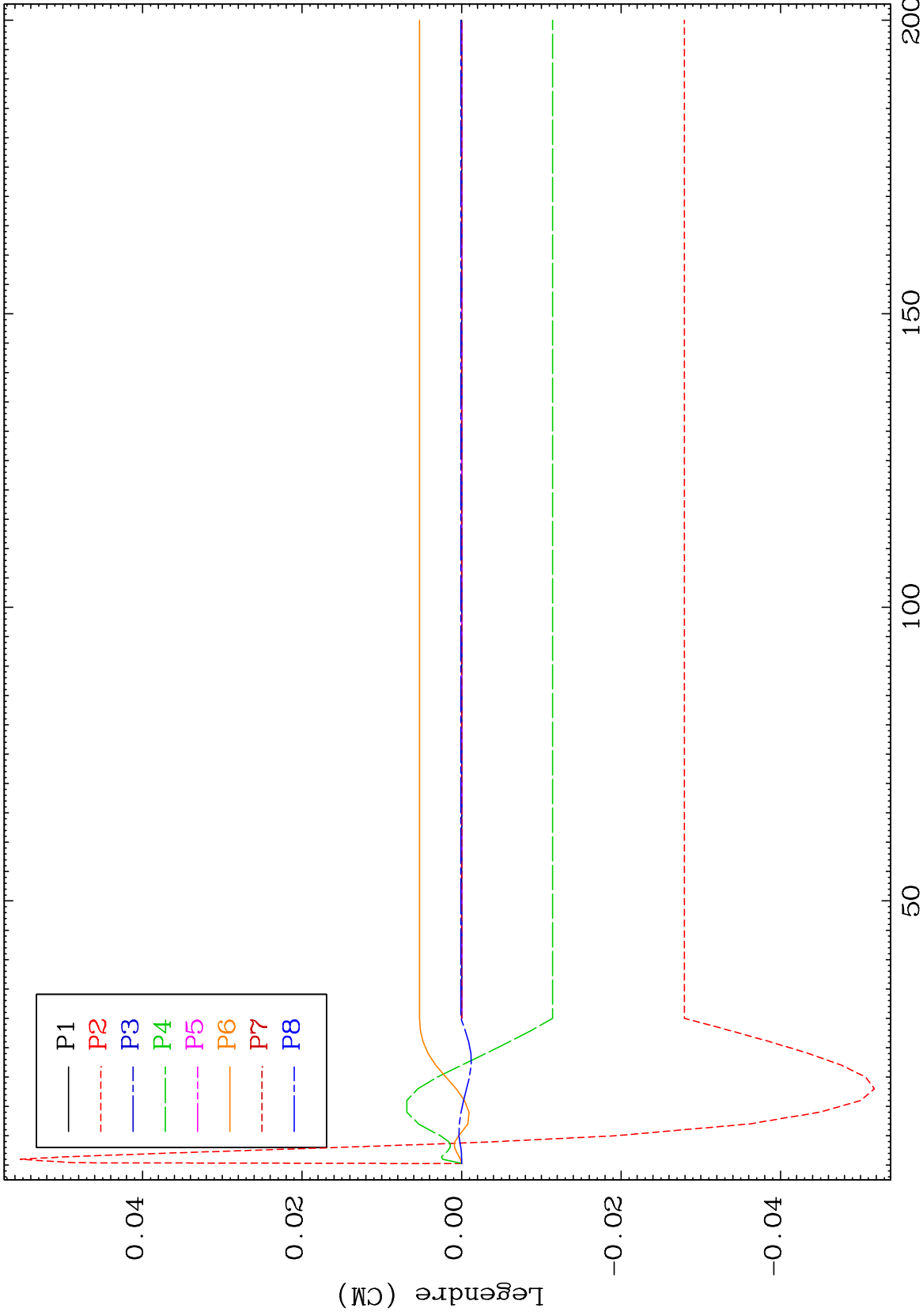


35 50 100 150 200 50-Sn-100

MAT 4989

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

50-Sn-100



36

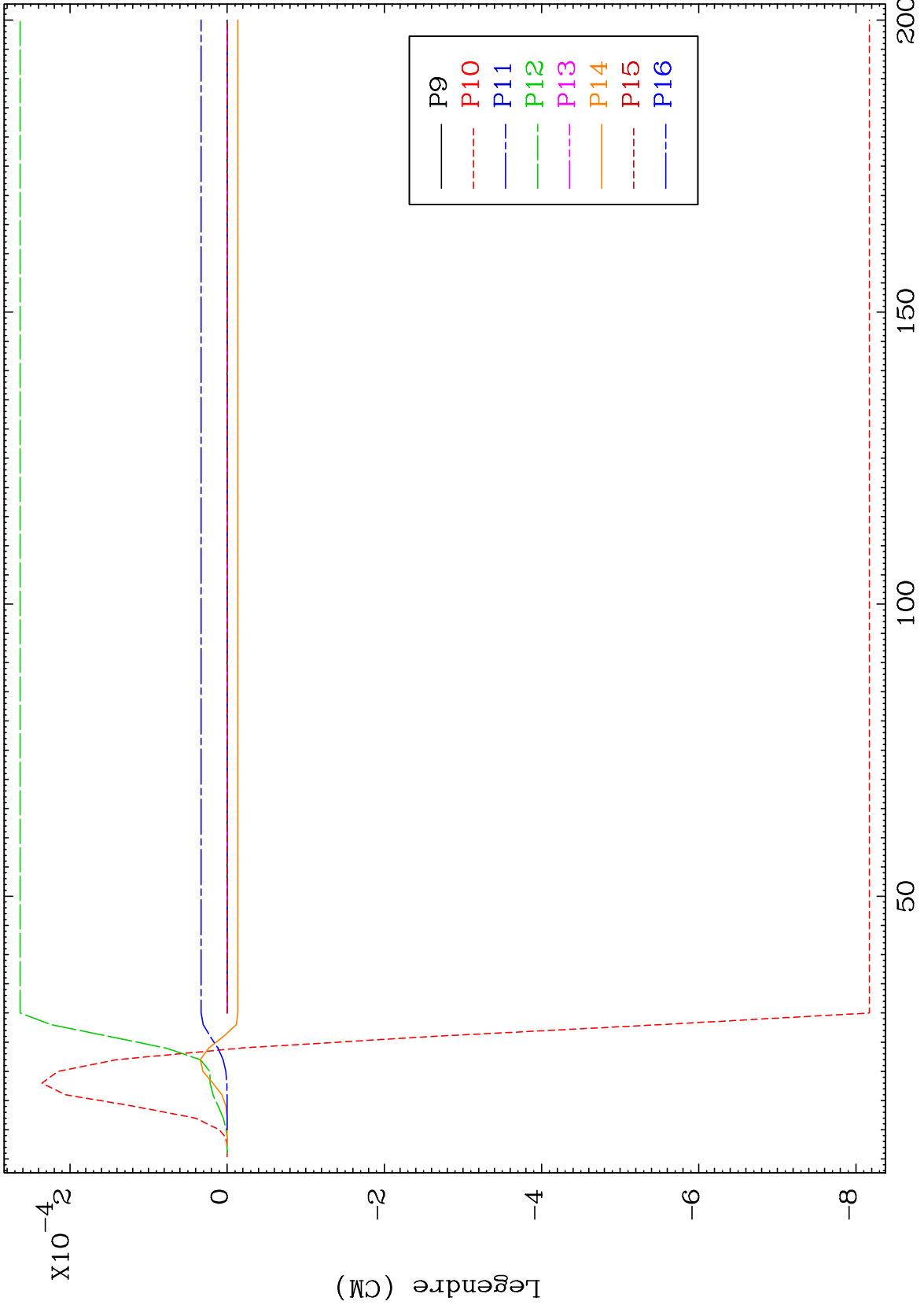
Incident Energy (MeV)

50-Sn-100

MAT 4989

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

50-Sn-100

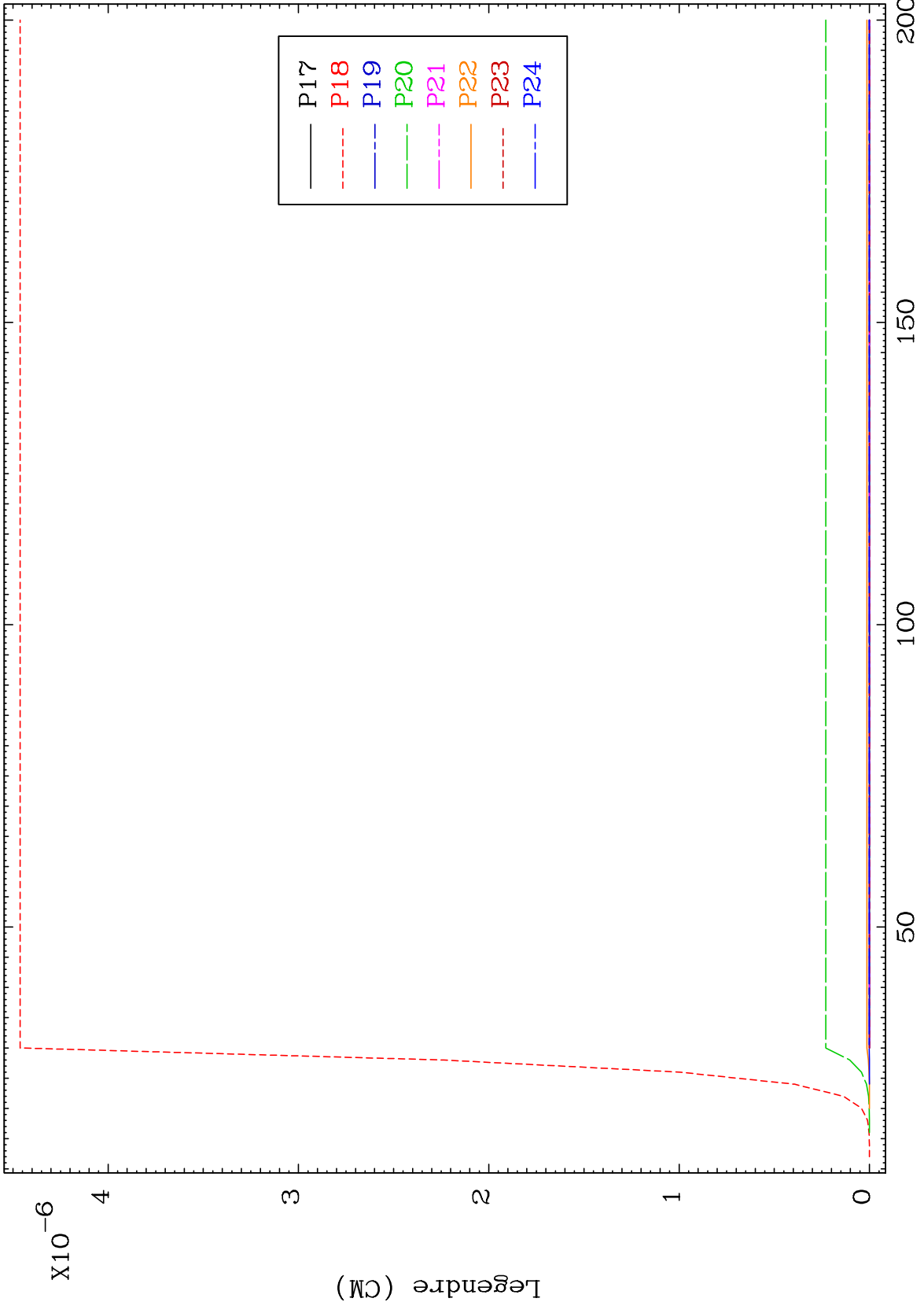


37

Incident Energy (MeV)

50-Sn-100

MAT 4989 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-100

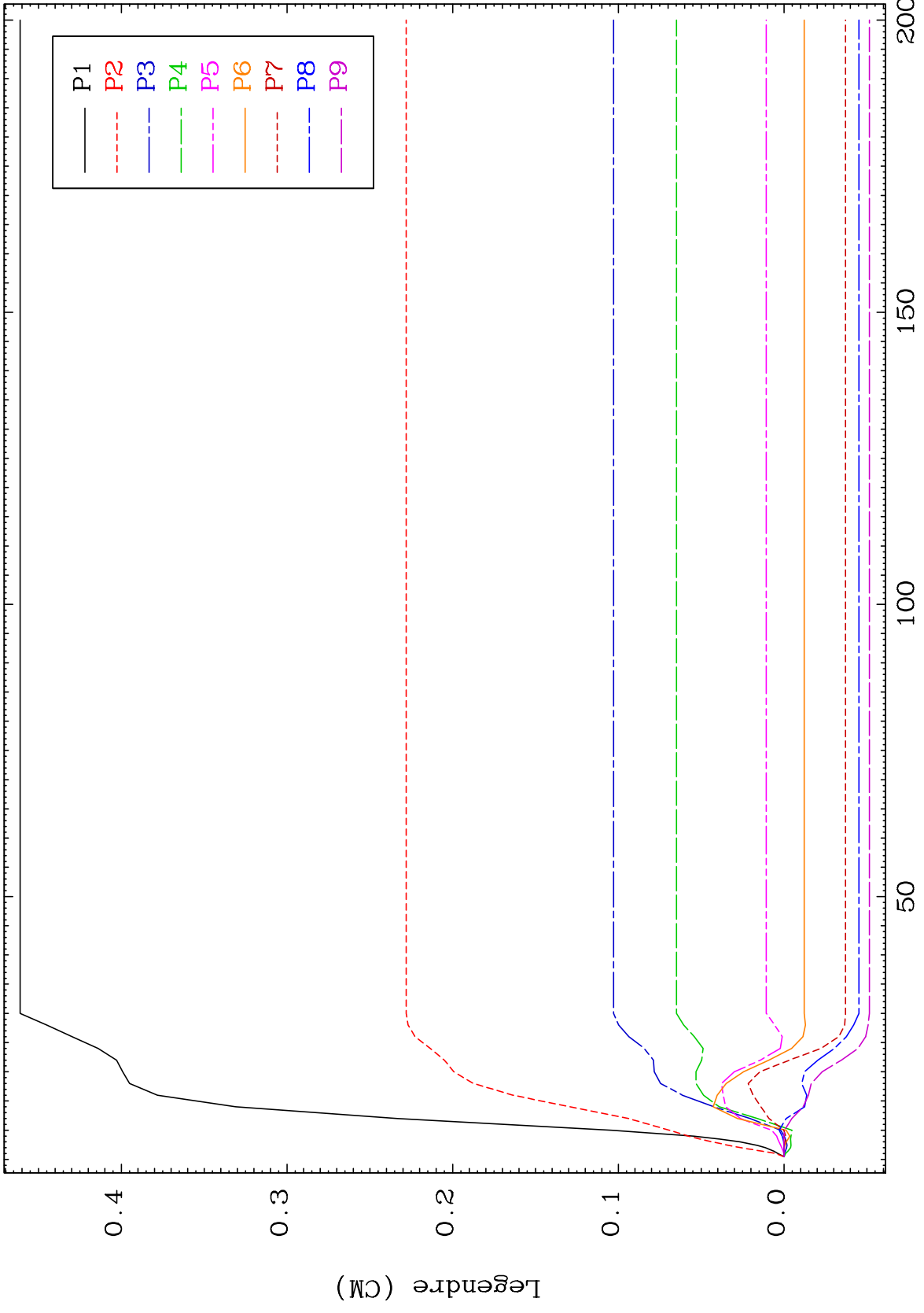


38

Incident Energy (MeV)

50-Sn-100

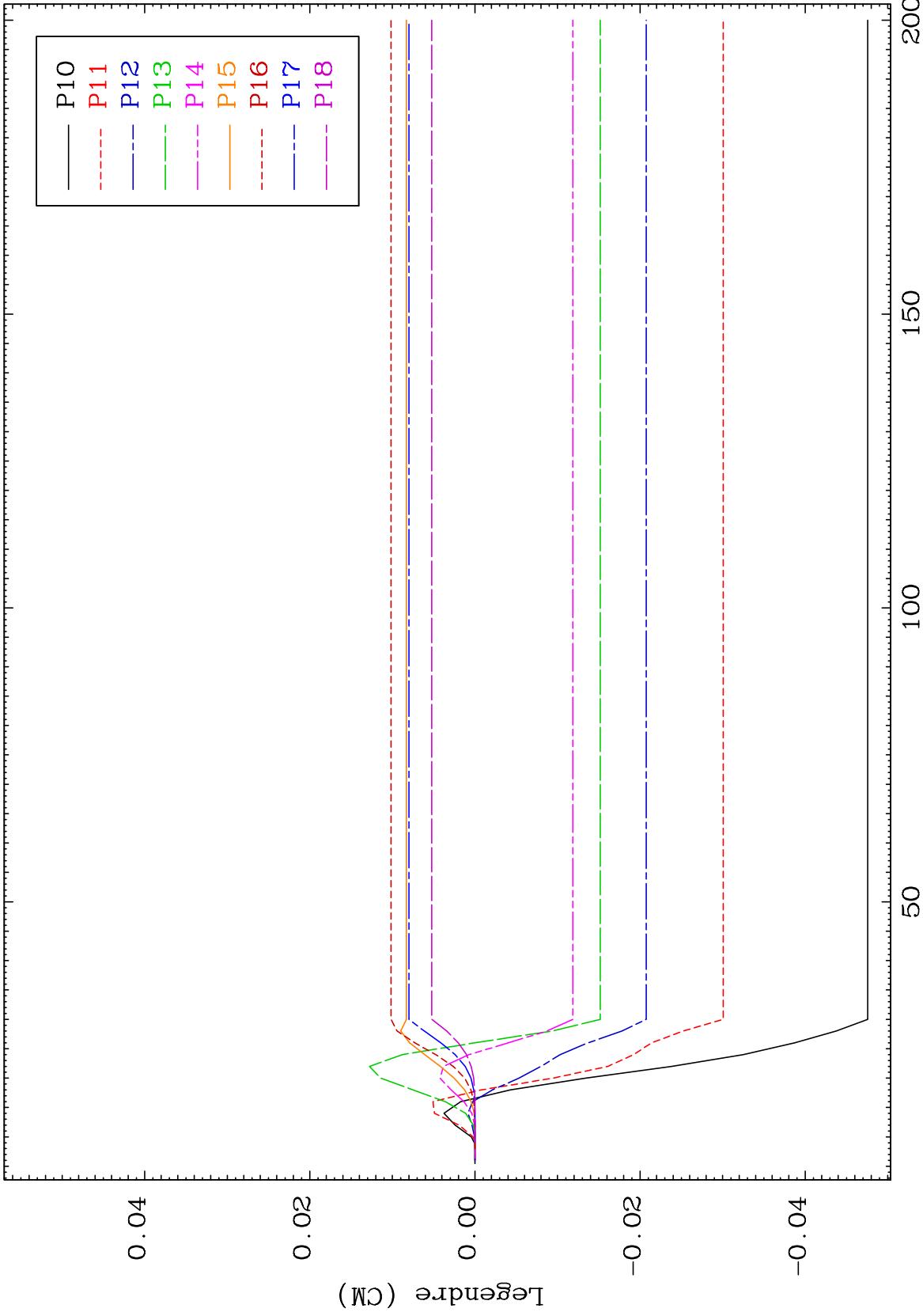
MAT 4989 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-100



MAT 4989

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

50-Sn-100

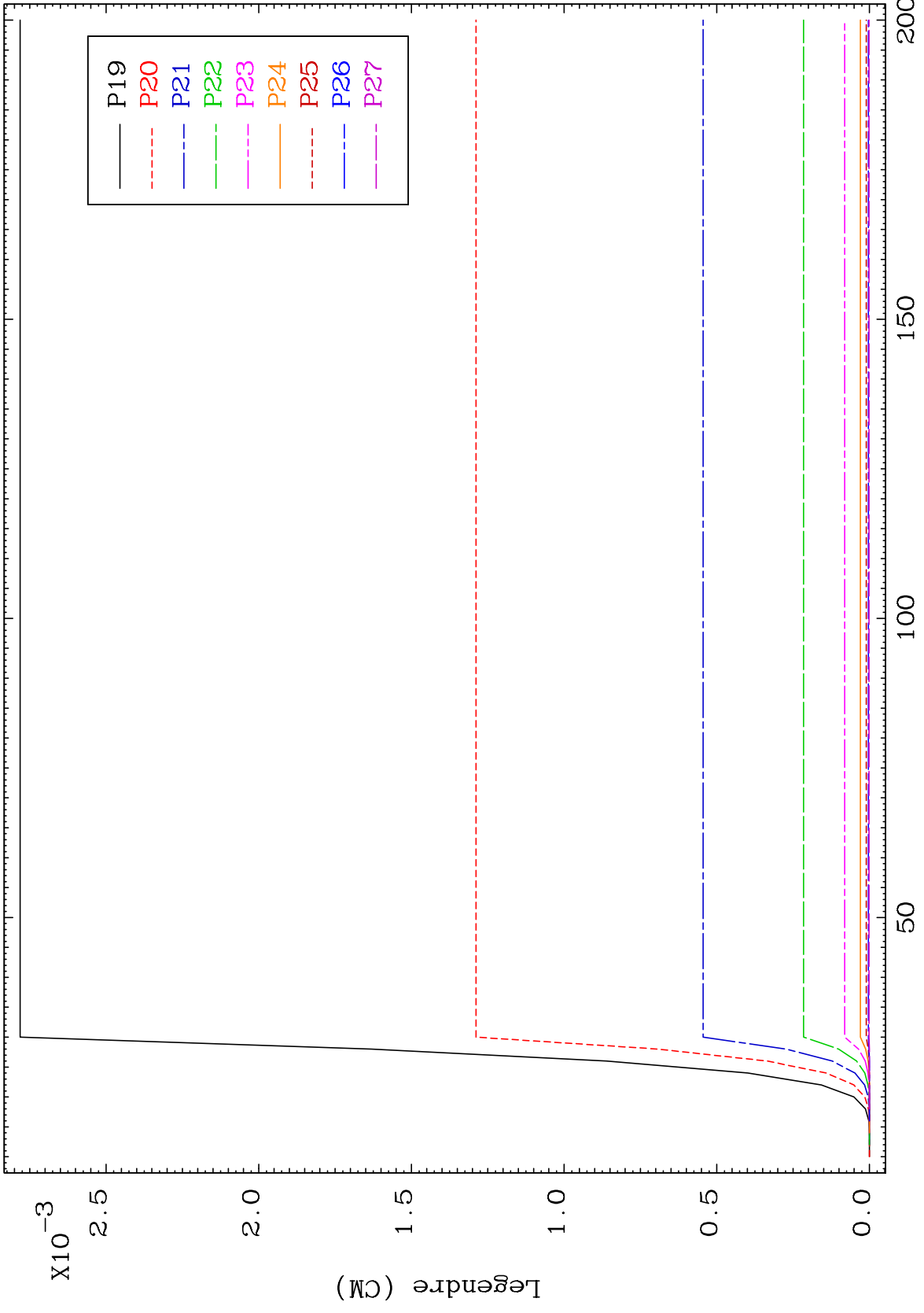


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Incident Energy (MeV)

50-Sn-100

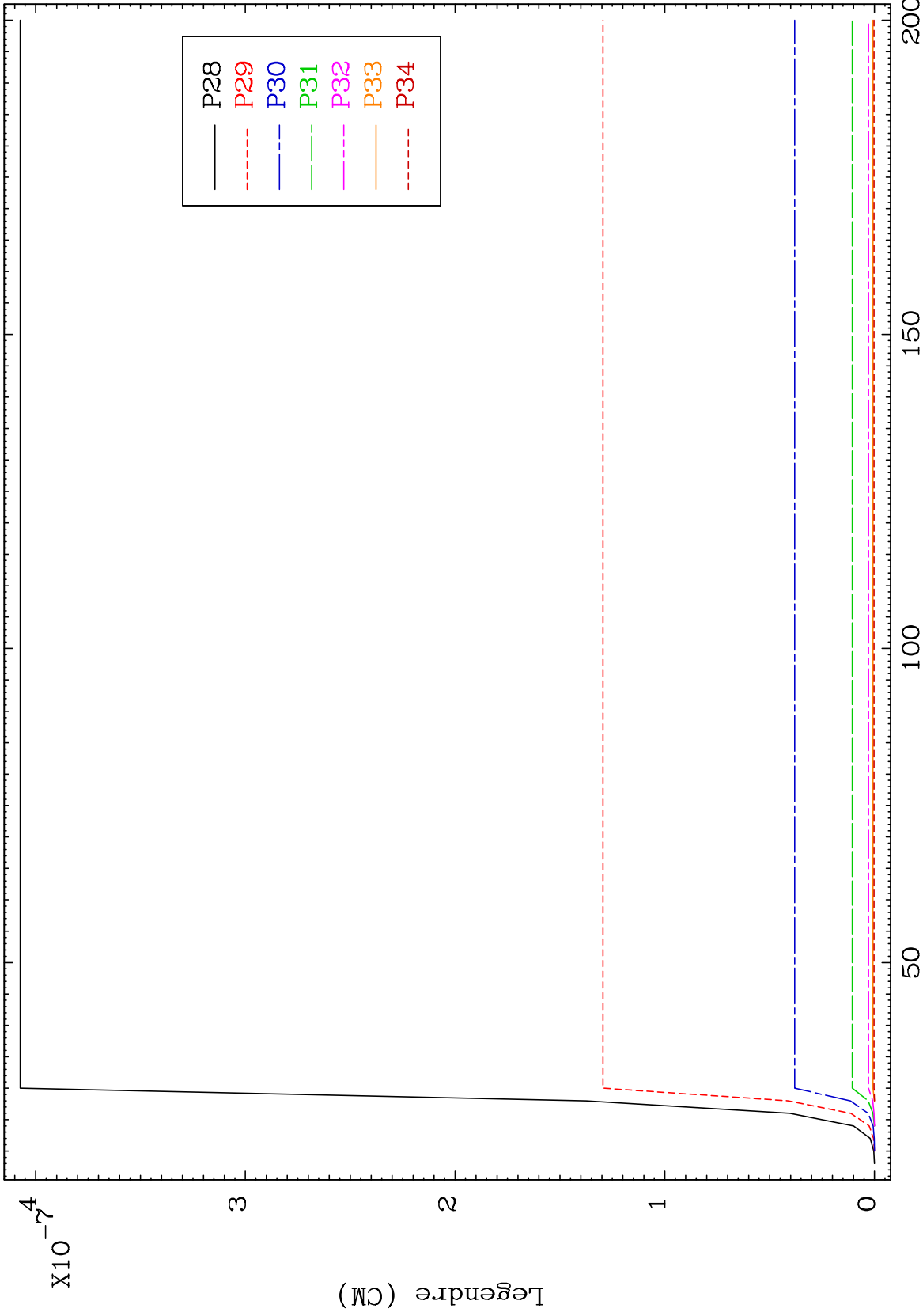
MAT 4989 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-100



MAT 4989

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

50-Sn-100

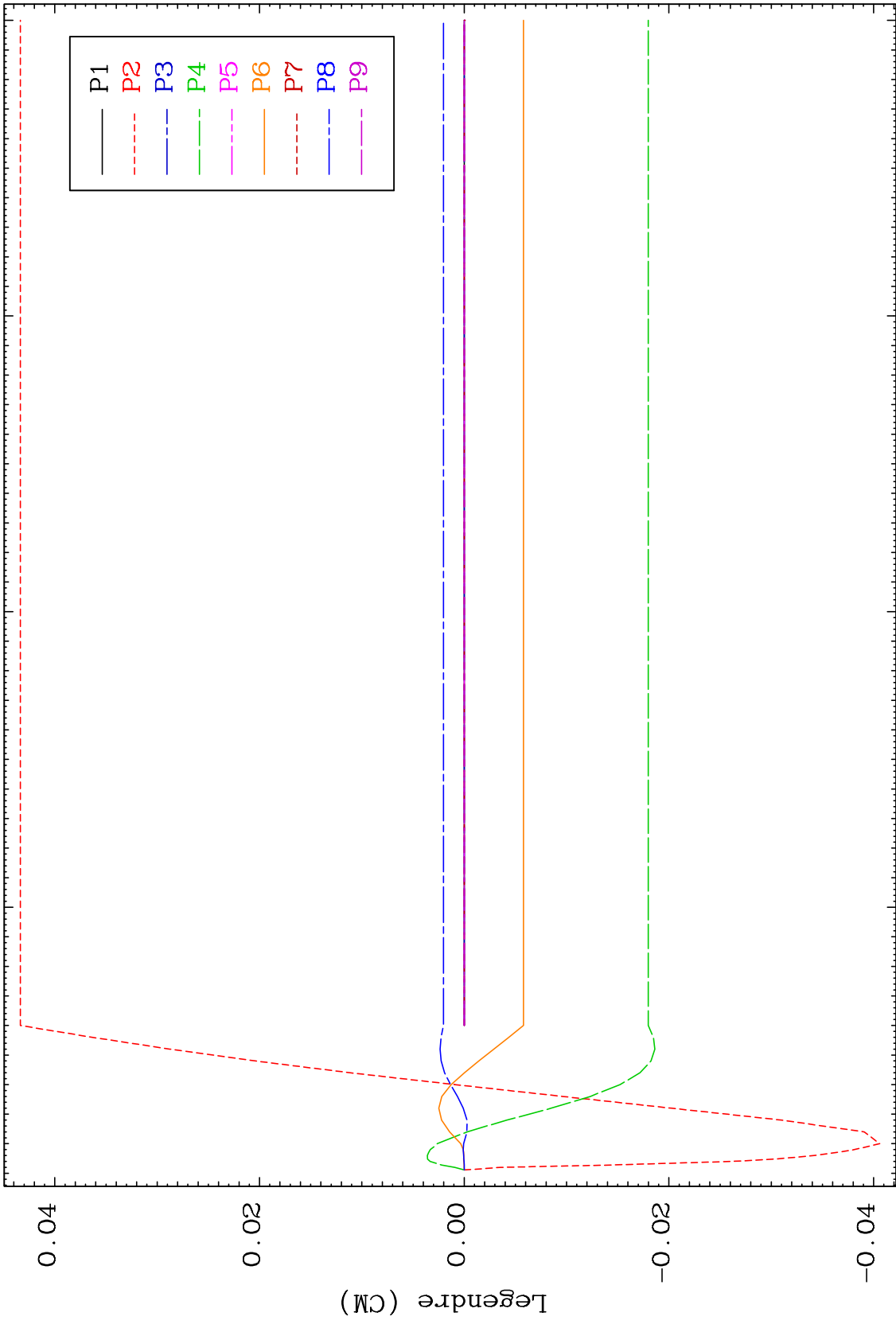


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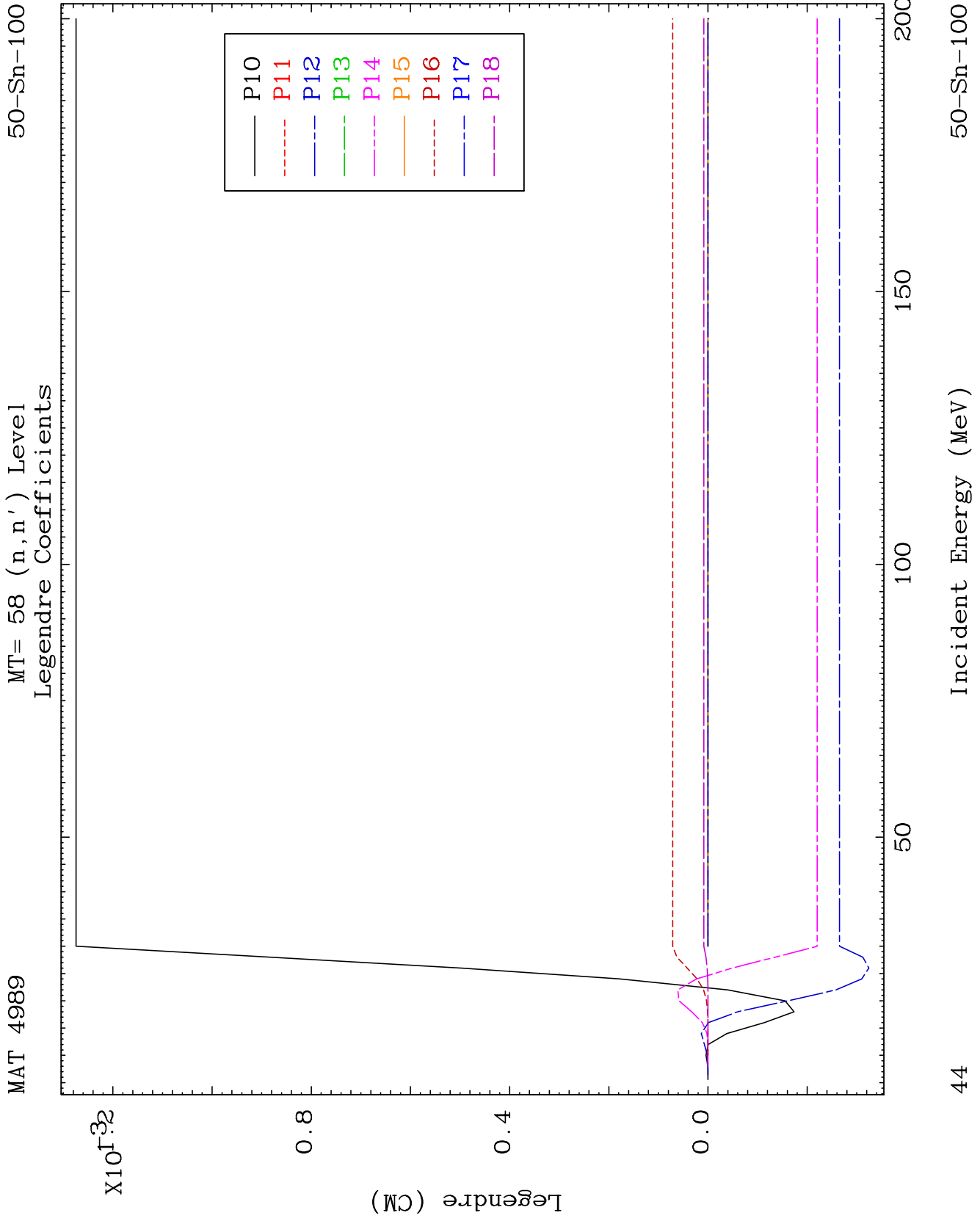
Incident Energy (MeV)

50-Sn-100

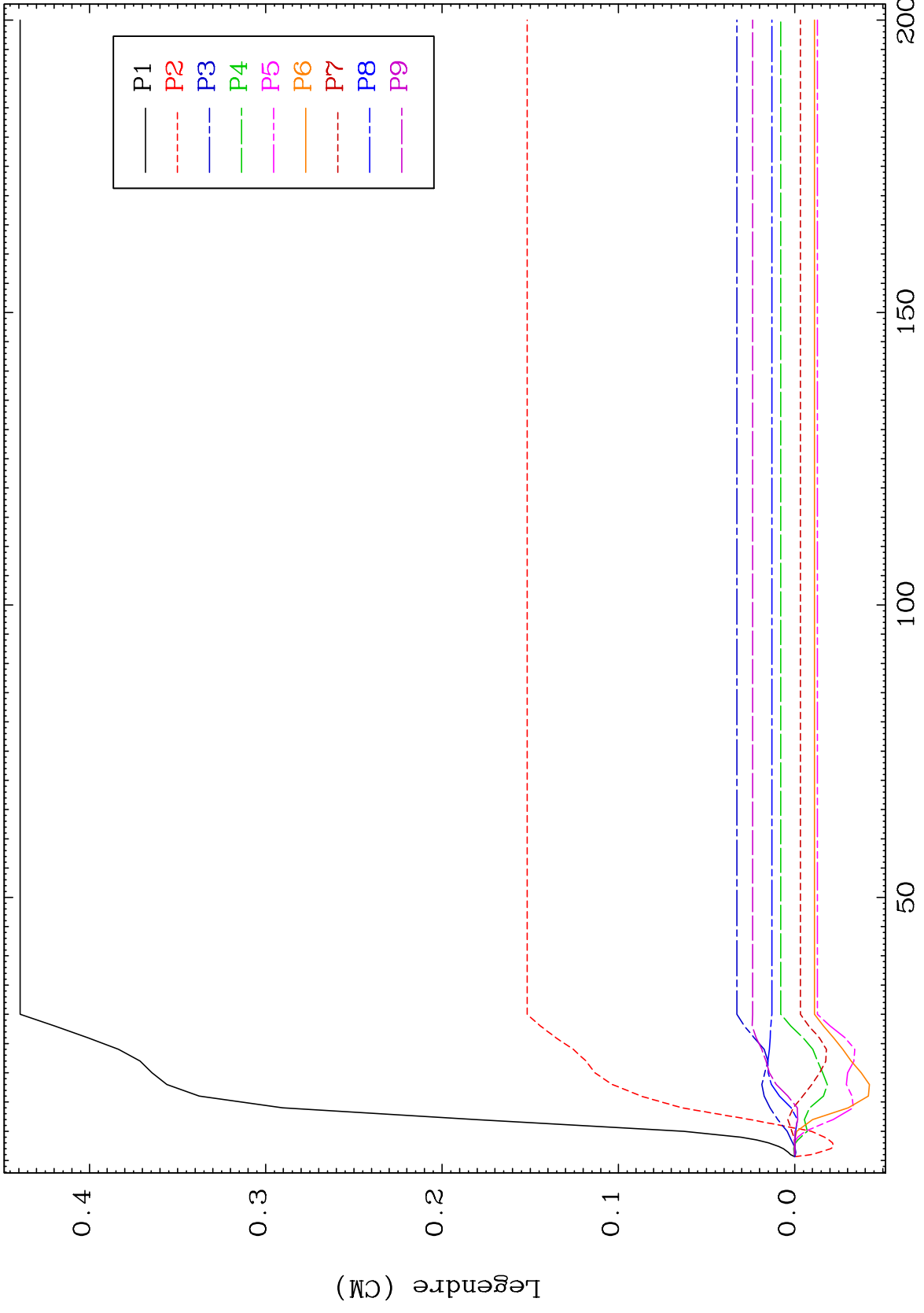
MAT 4989 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-100



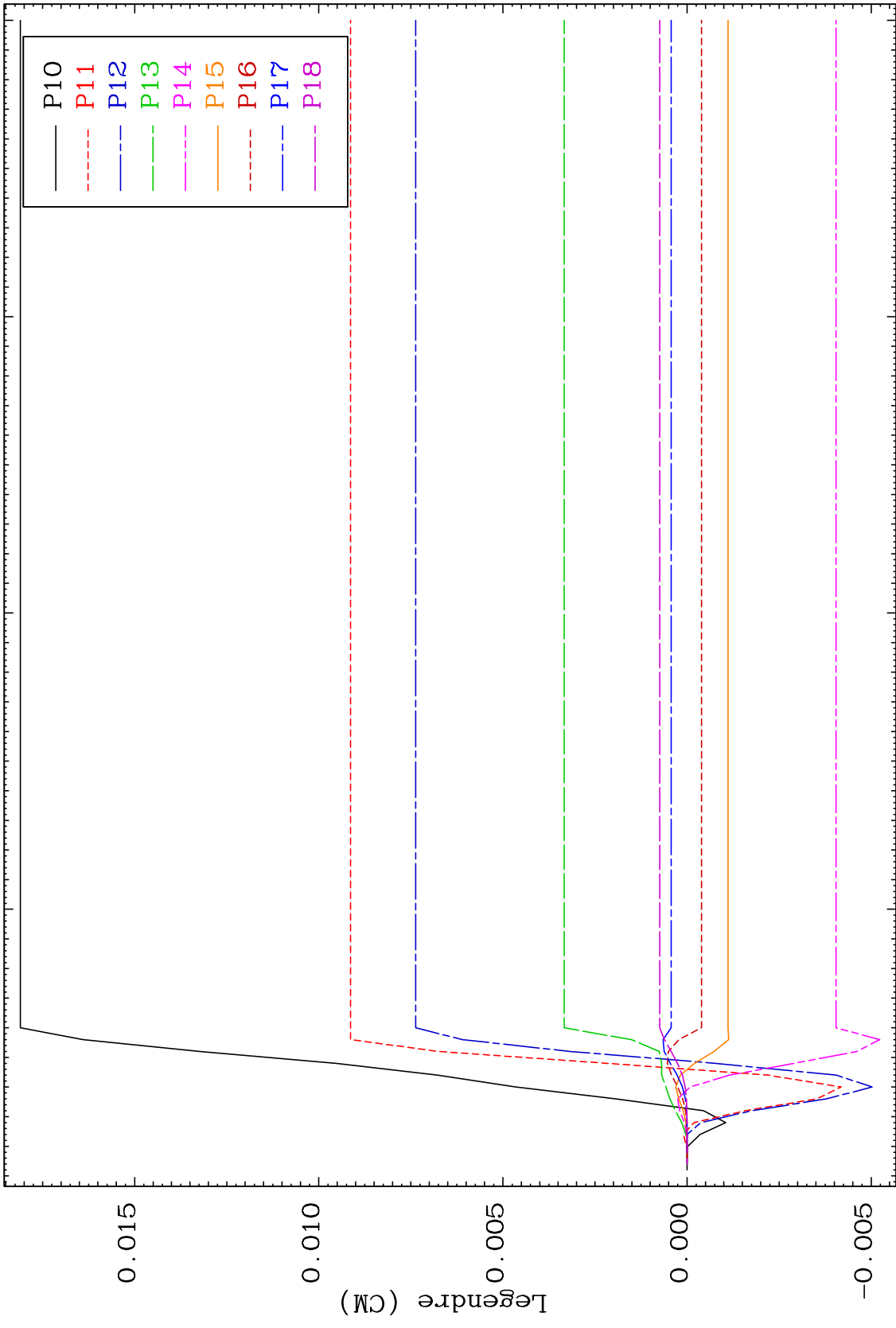
Legendre (CM) Incident Energy (MeV) 43 50 100 150 200 50-Sn-100



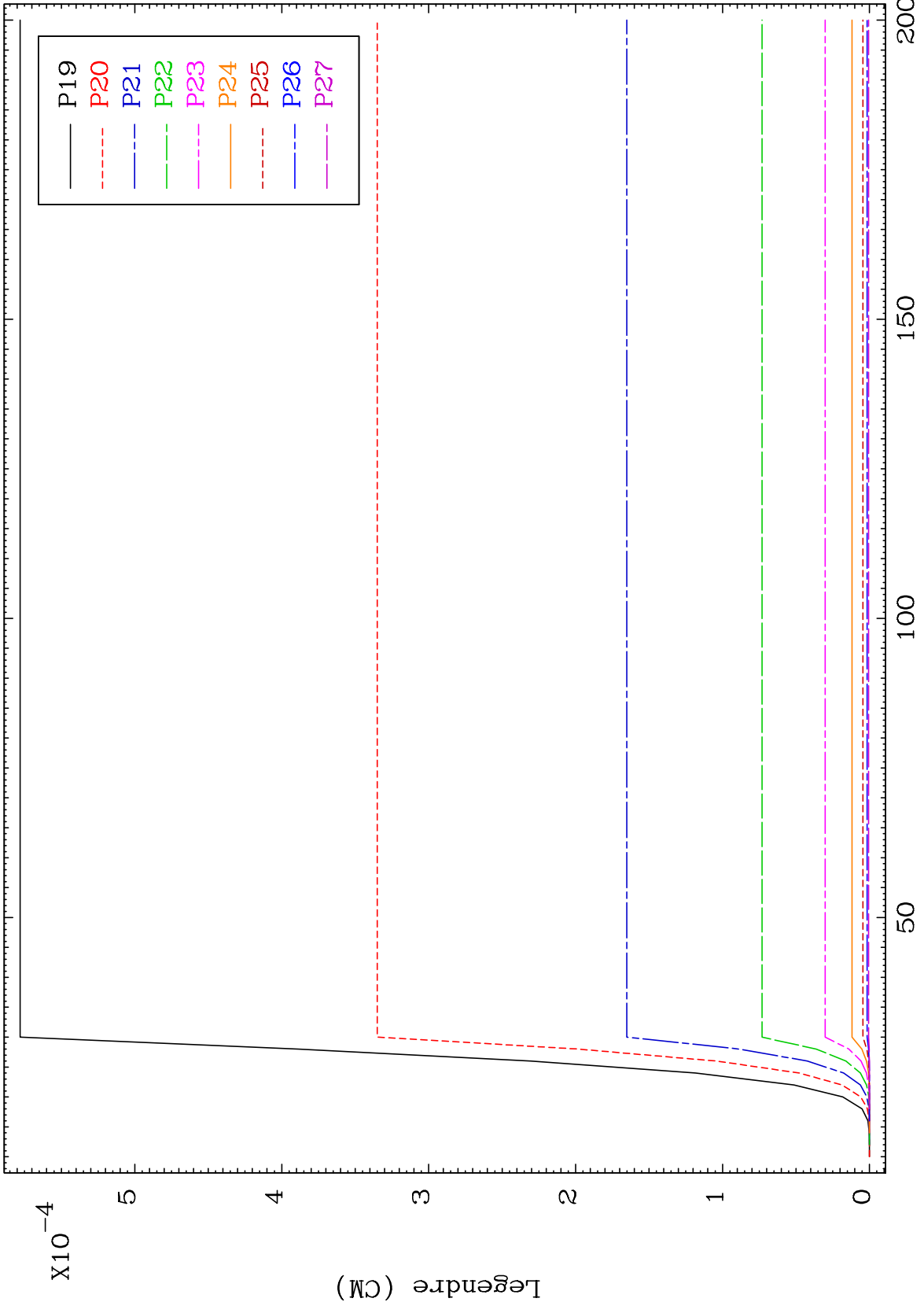
MAT 4989 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-100



MAT 4989 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-100

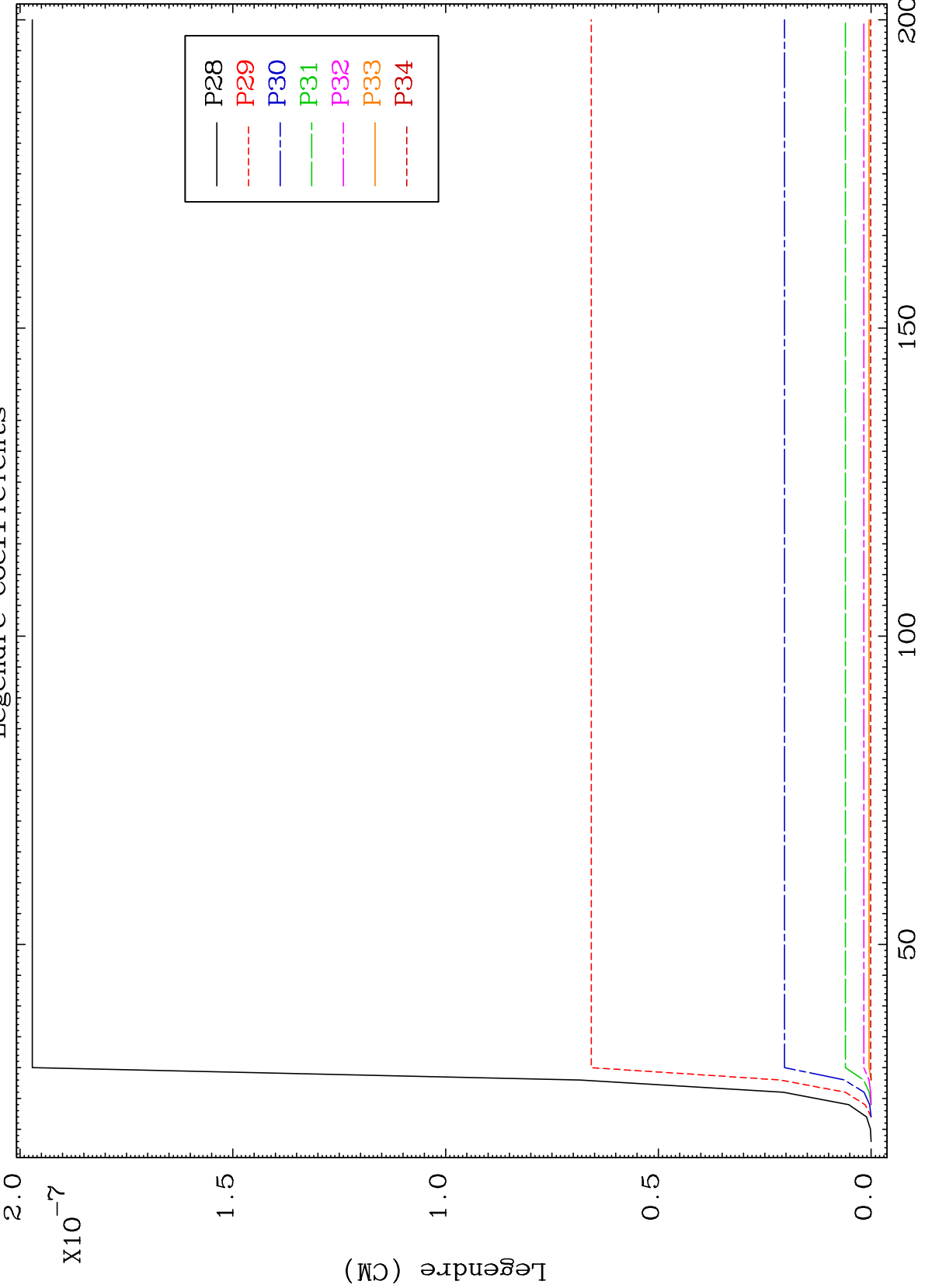


MAT 4989 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-100



MAT 4989 MT= 59 (n,n') Level Legendre Coefficients

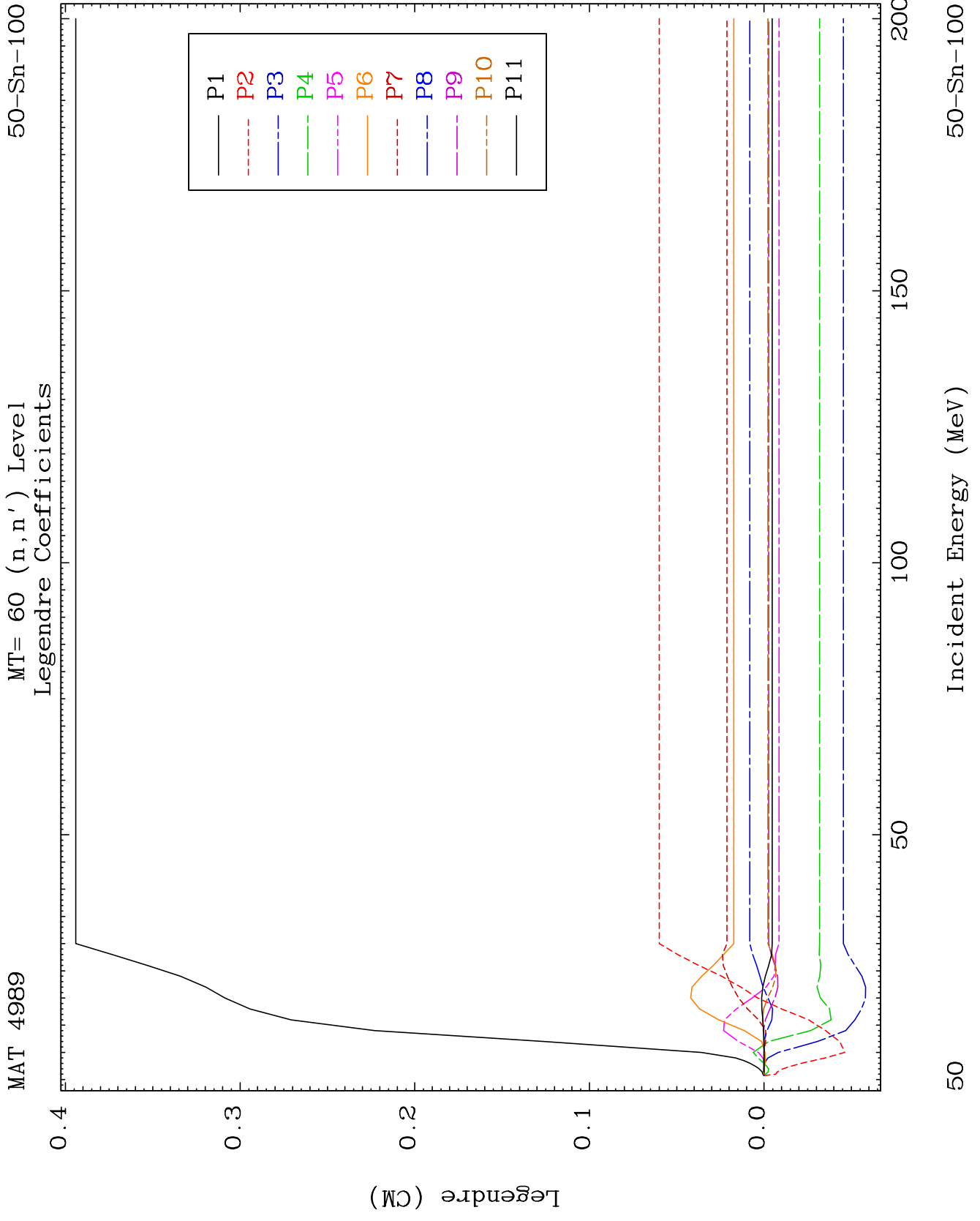
50-Sn-100



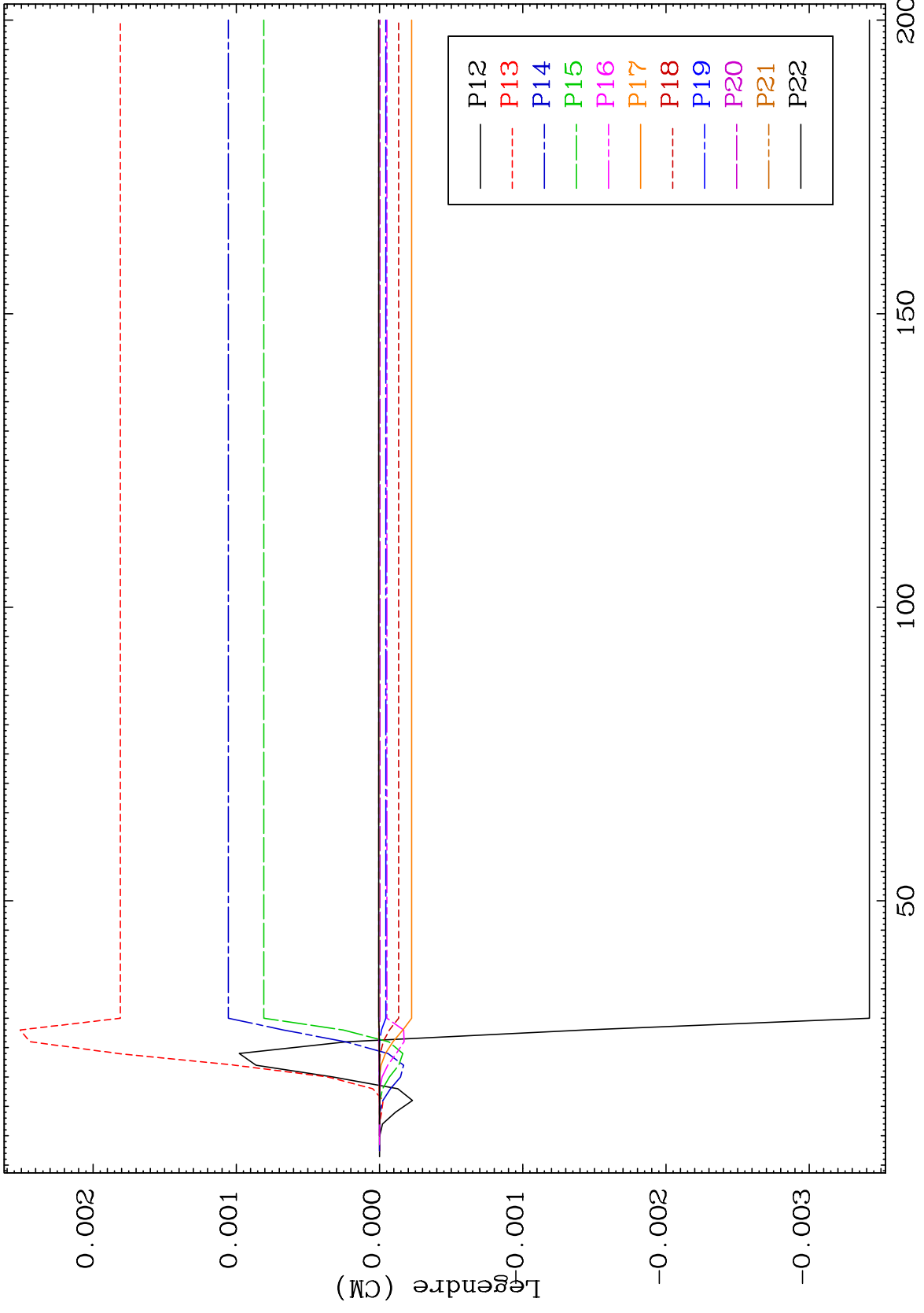
49

Incident Energy (MeV)

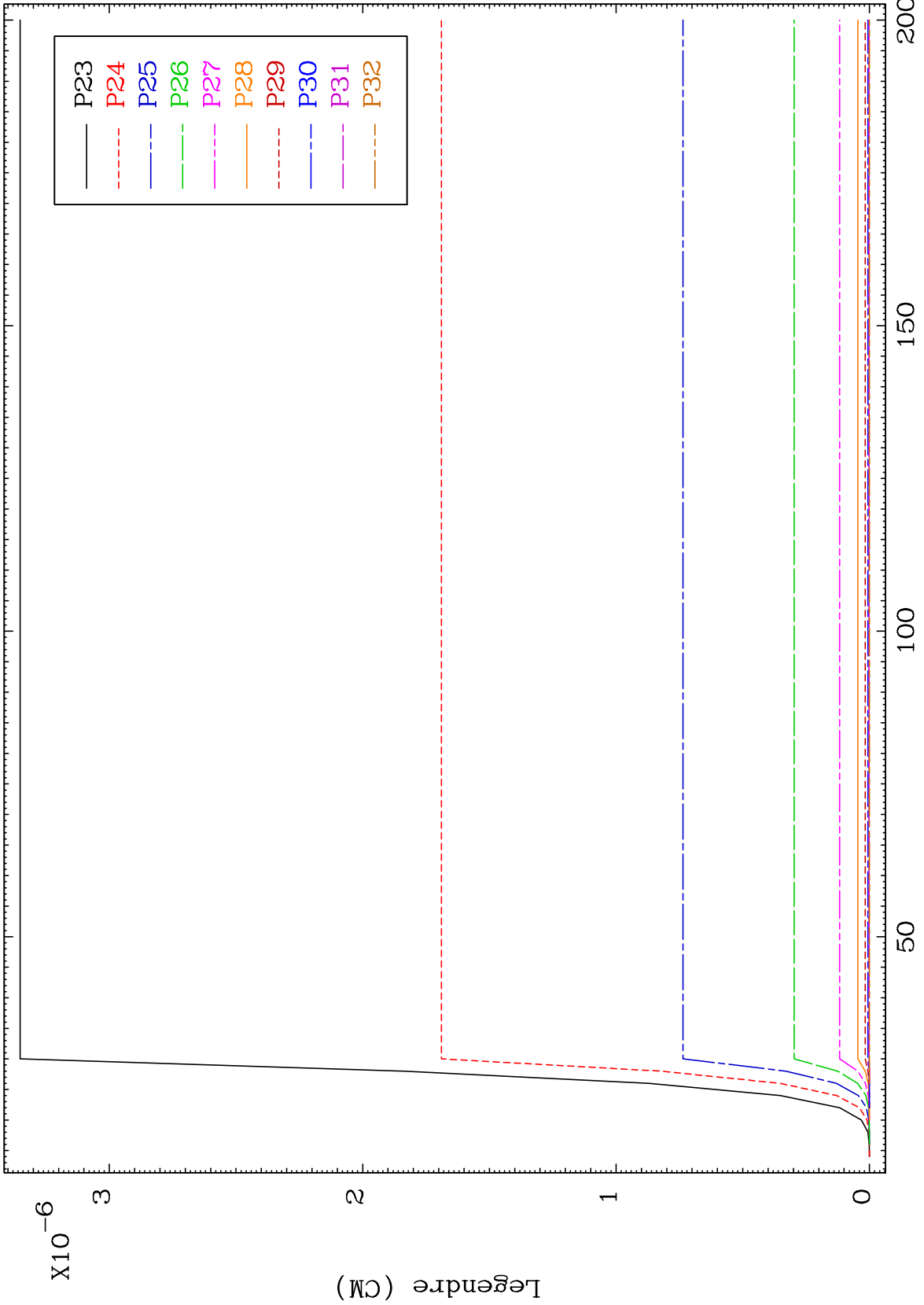
50-Sn-100



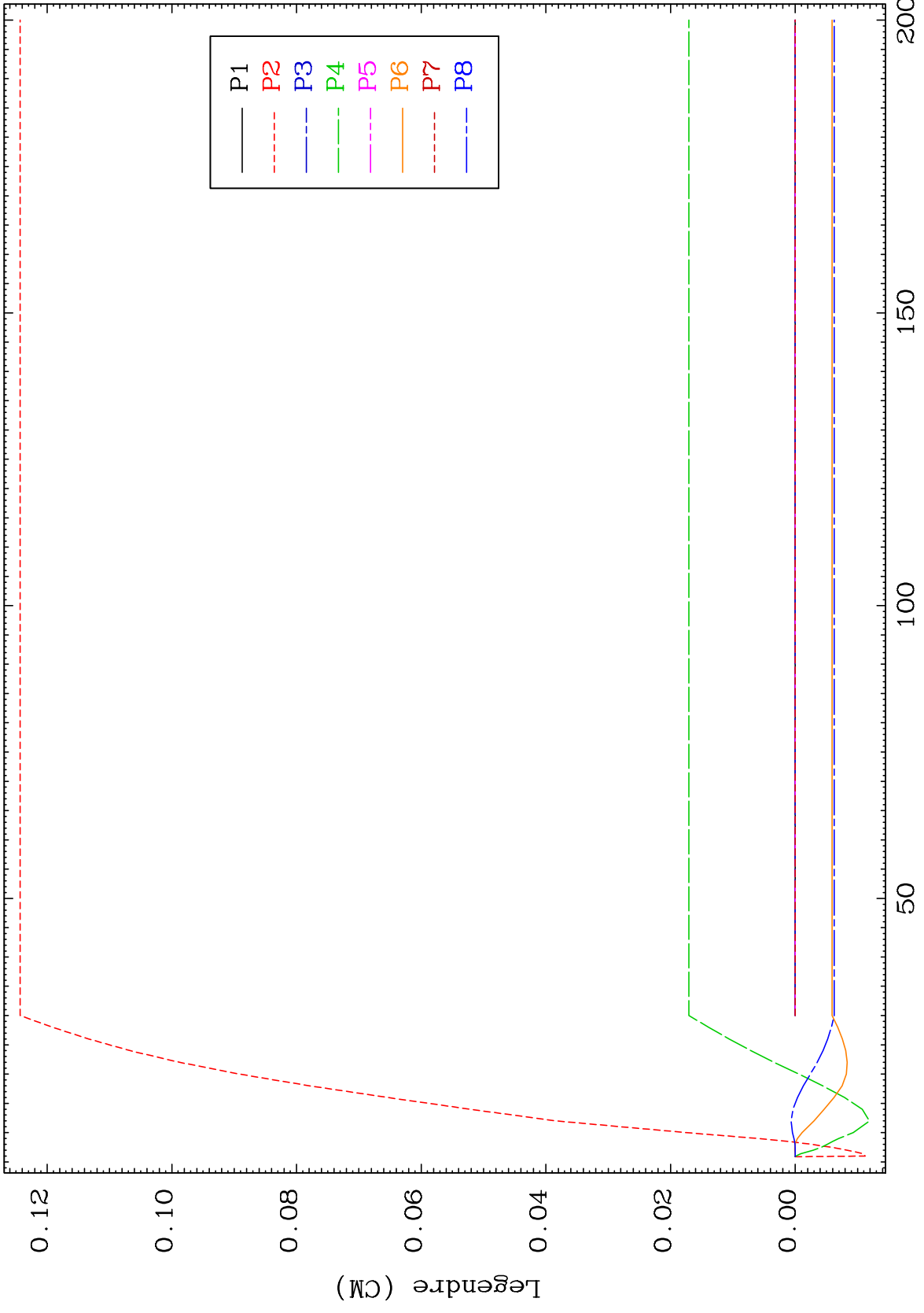
MAT 4989 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-100



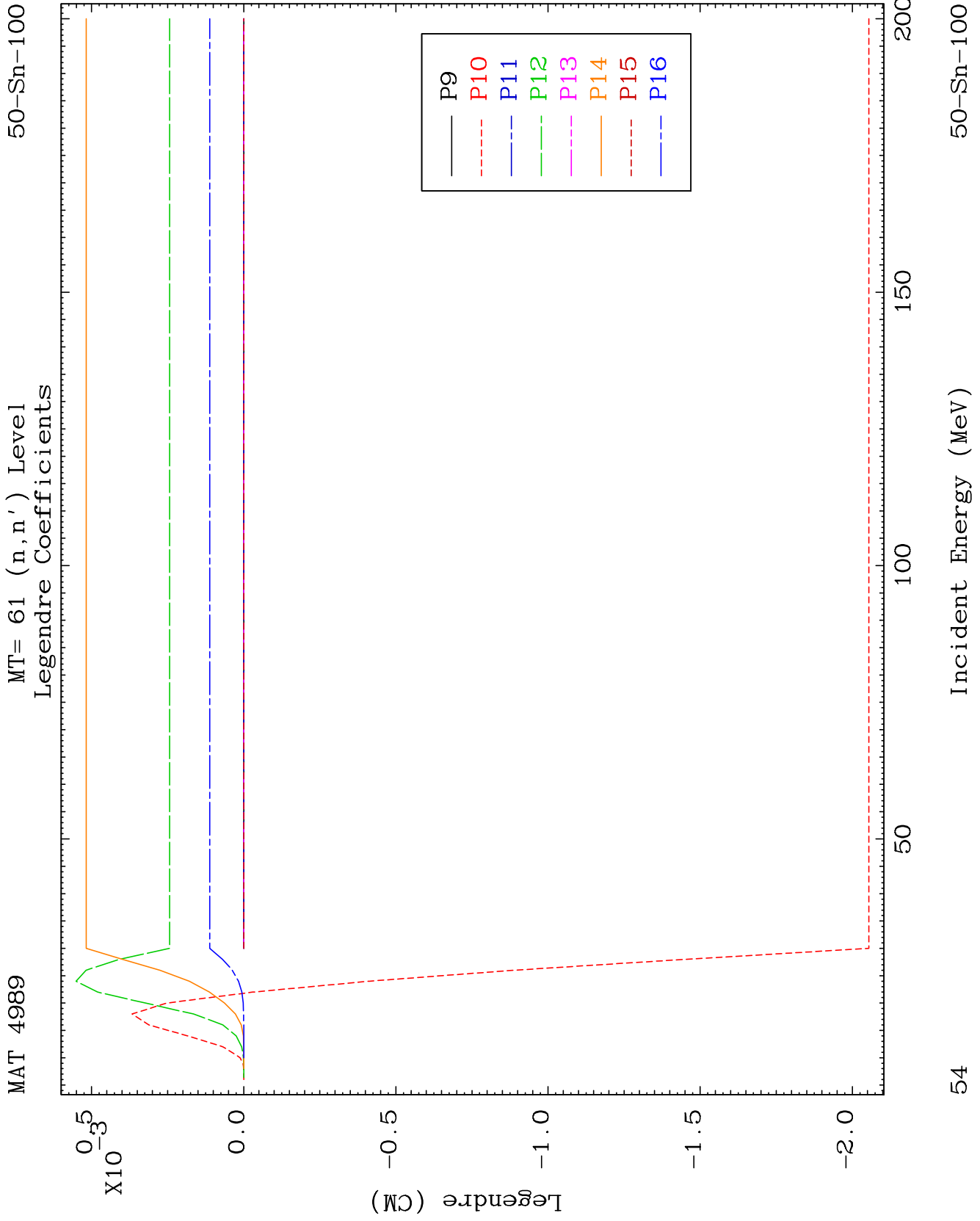
MAT 4989 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-100



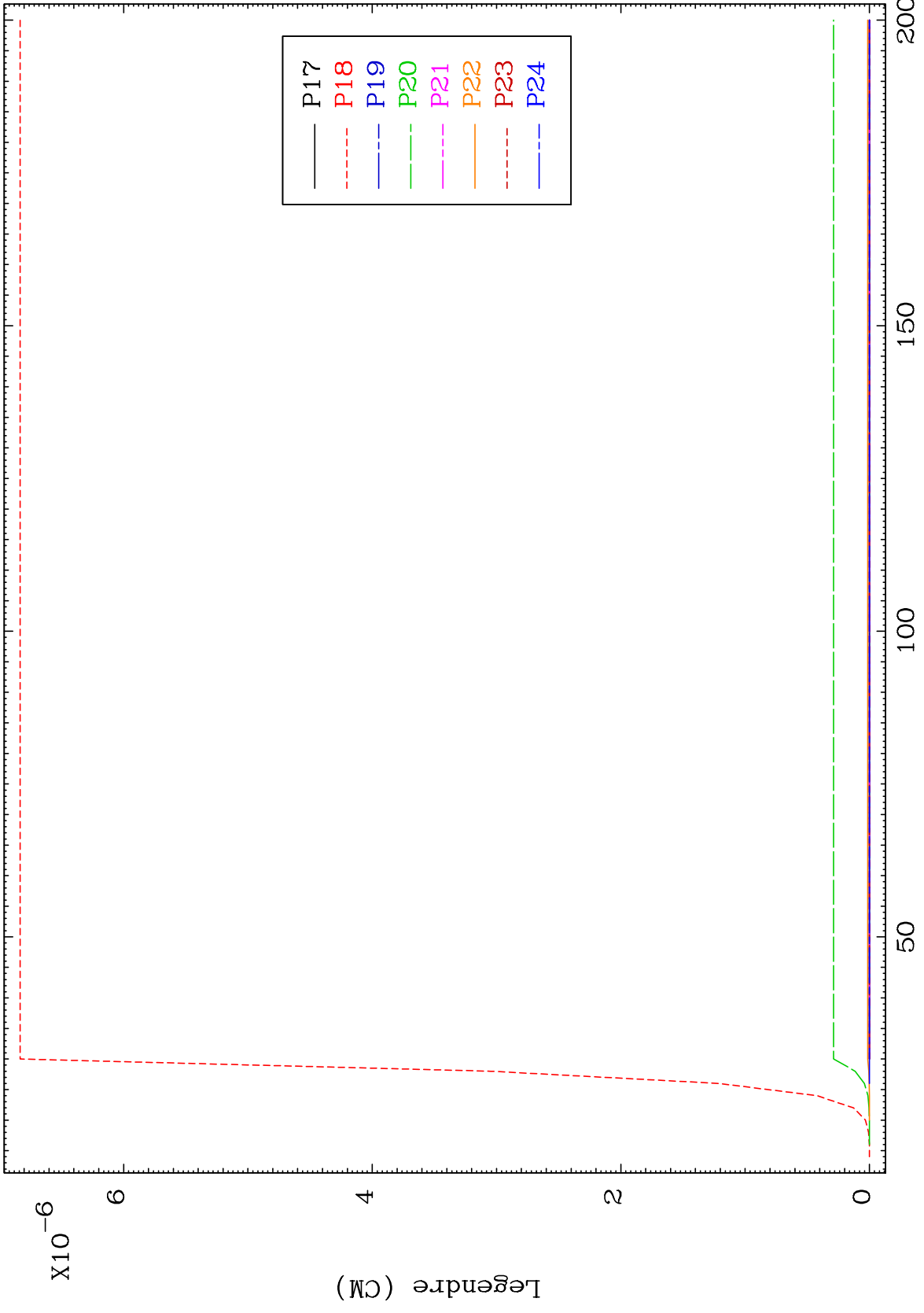
MAT 4989 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-100



53 Incident Energy (MeV) 50-Sn-100



MAT 4989 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-100

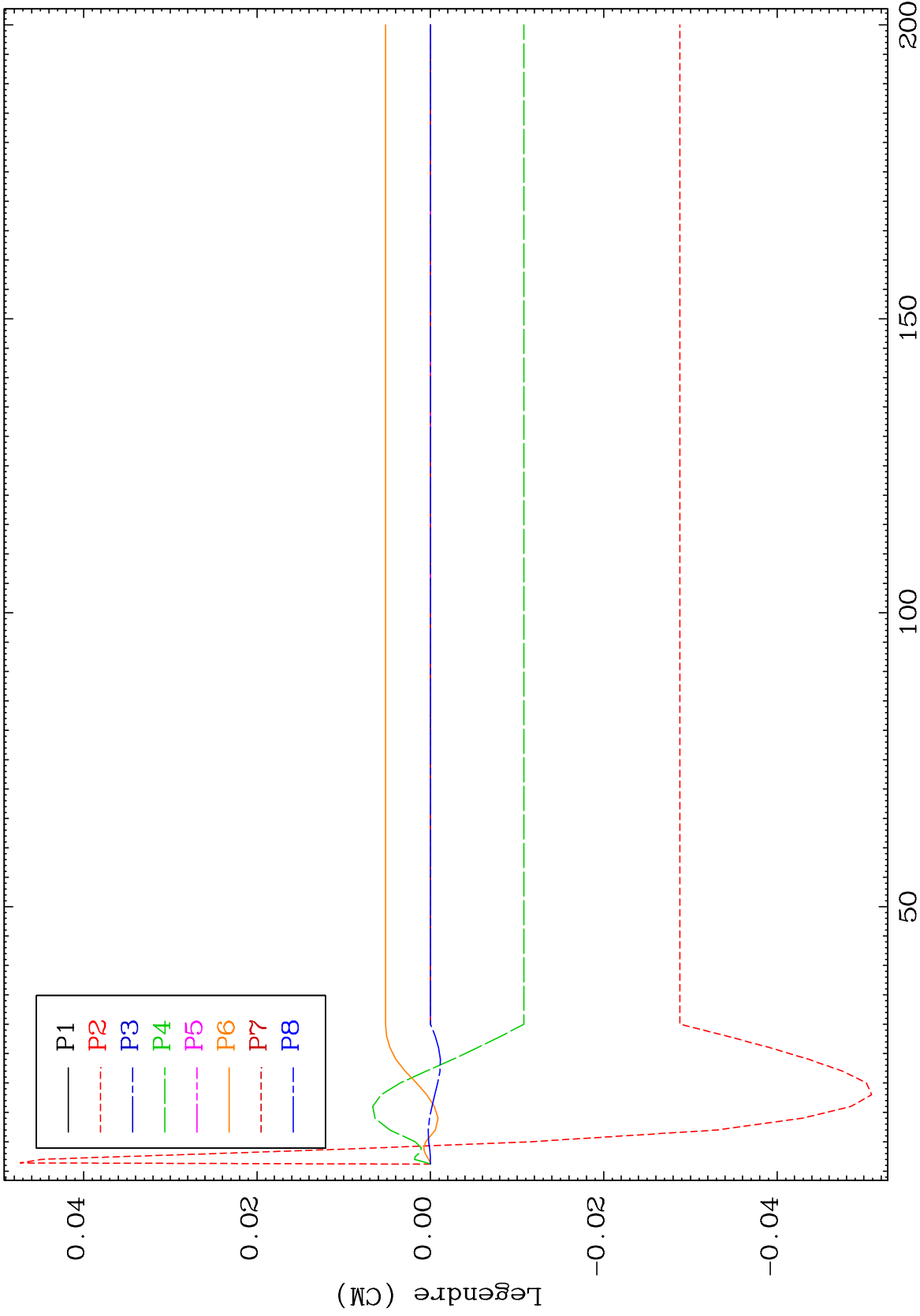


55 50-Sn-100

MAT 4989

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

50-Sn-100



56

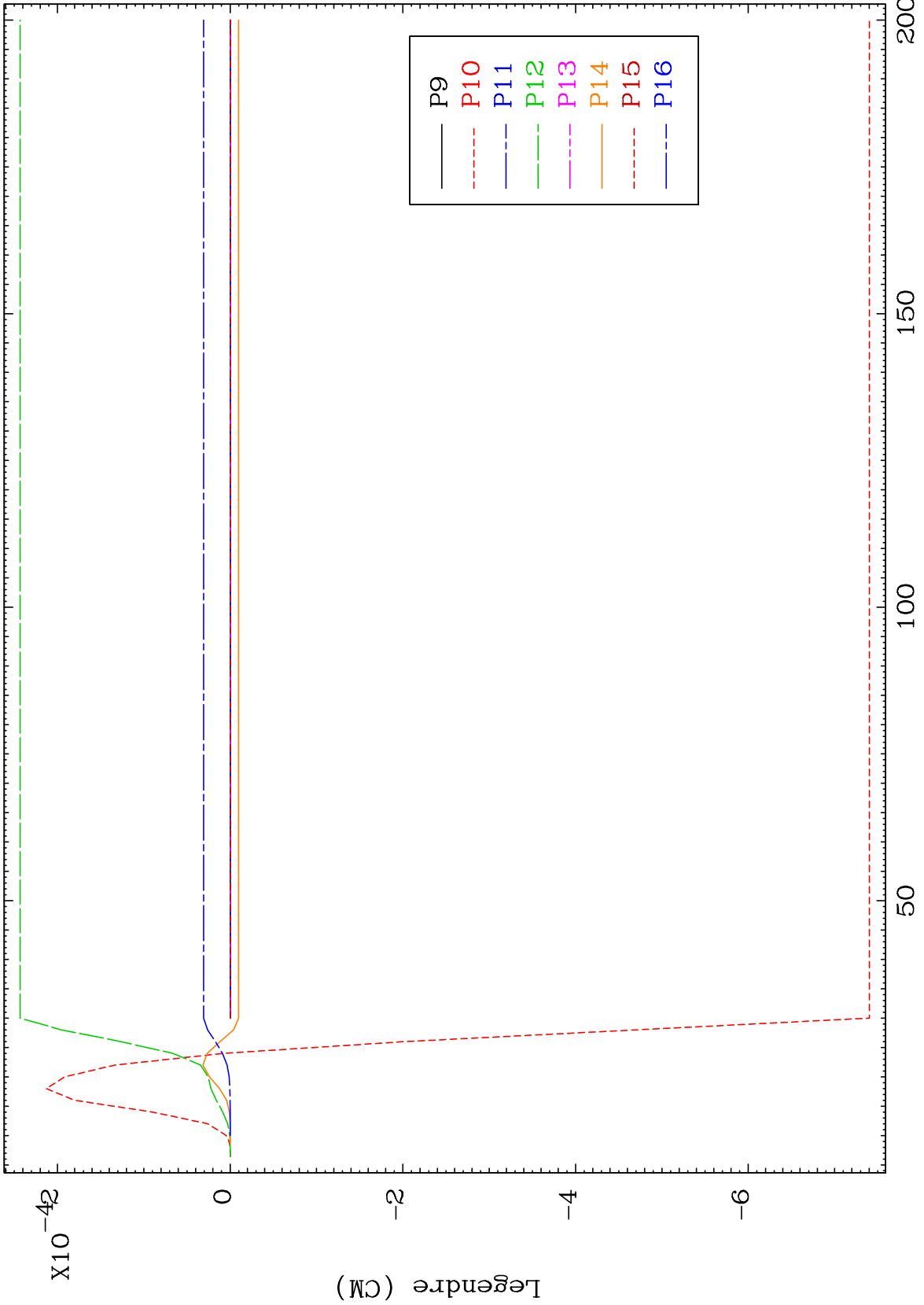
Incident Energy (MeV)

50-Sn-100

MAT 4989

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

50-Sn-100

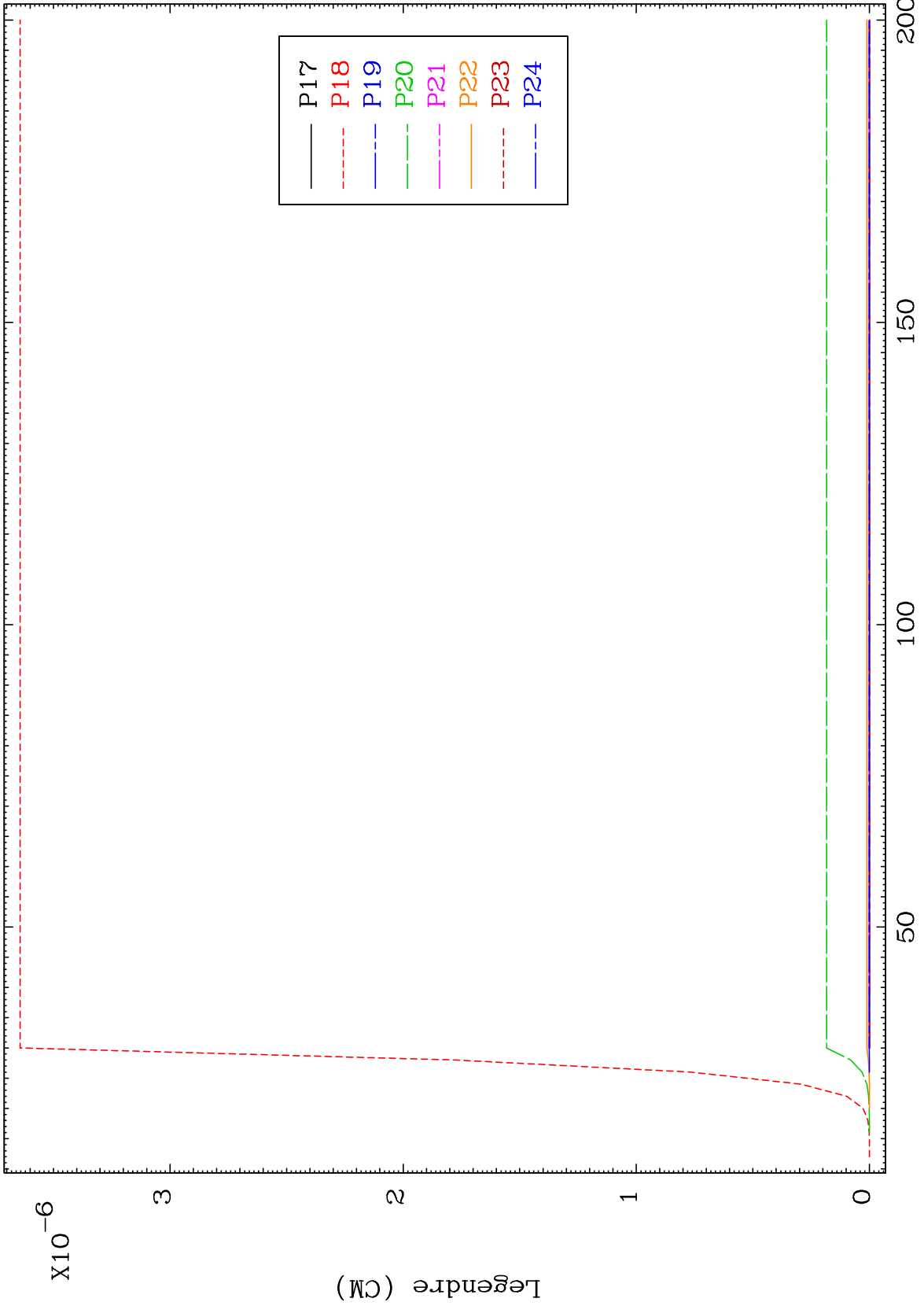


57

Incident Energy (MeV)

50-Sn-100

MAT 4989 MT= 62 (n,n') Level Legendre Coefficients 50-Sn-100

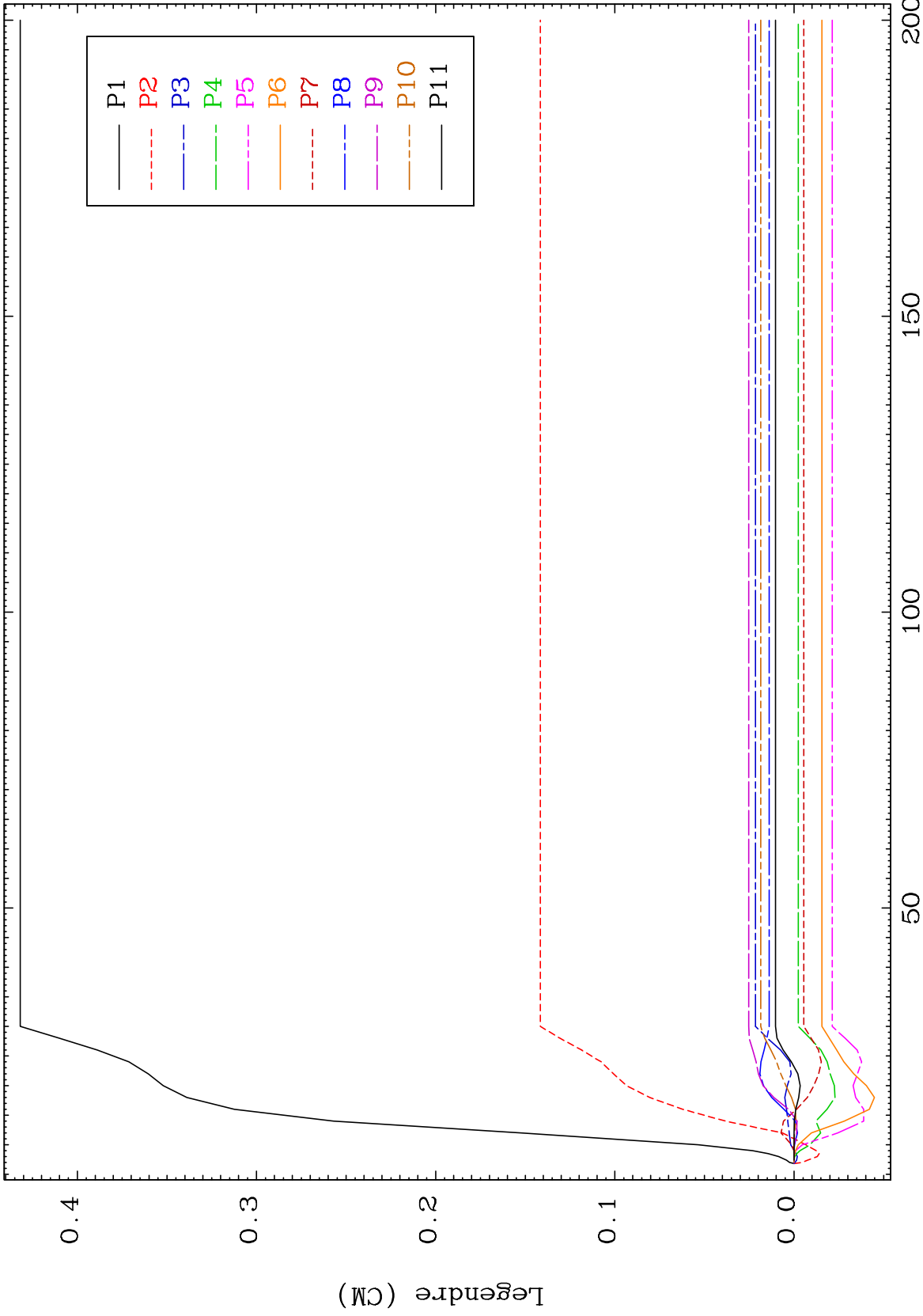


58 50-Sn-100

MAT 4989

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

50-Sn-100



59

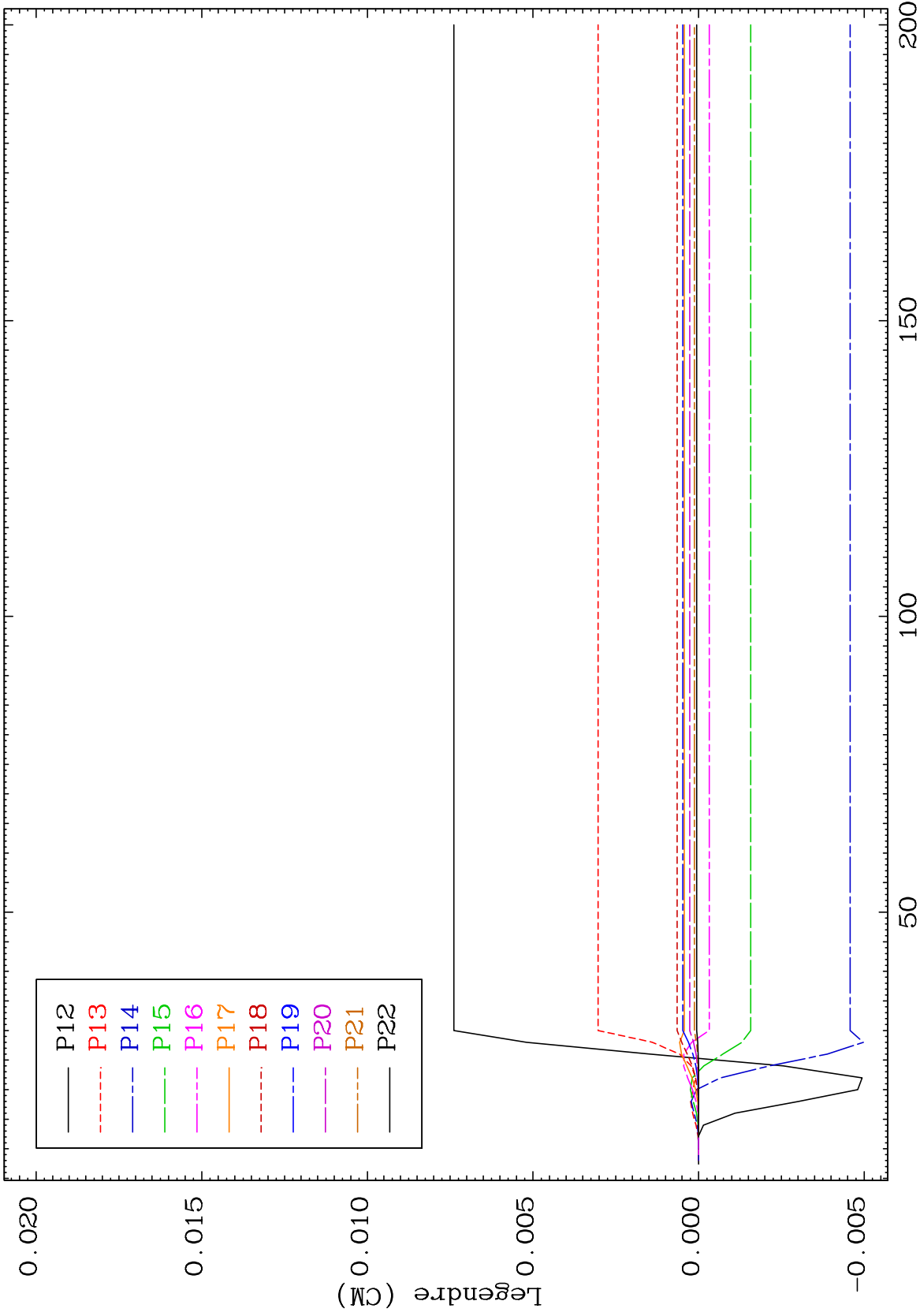
Incident Energy (MeV)

50-Sn-100

MAT 4989

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

50-Sn-100



60

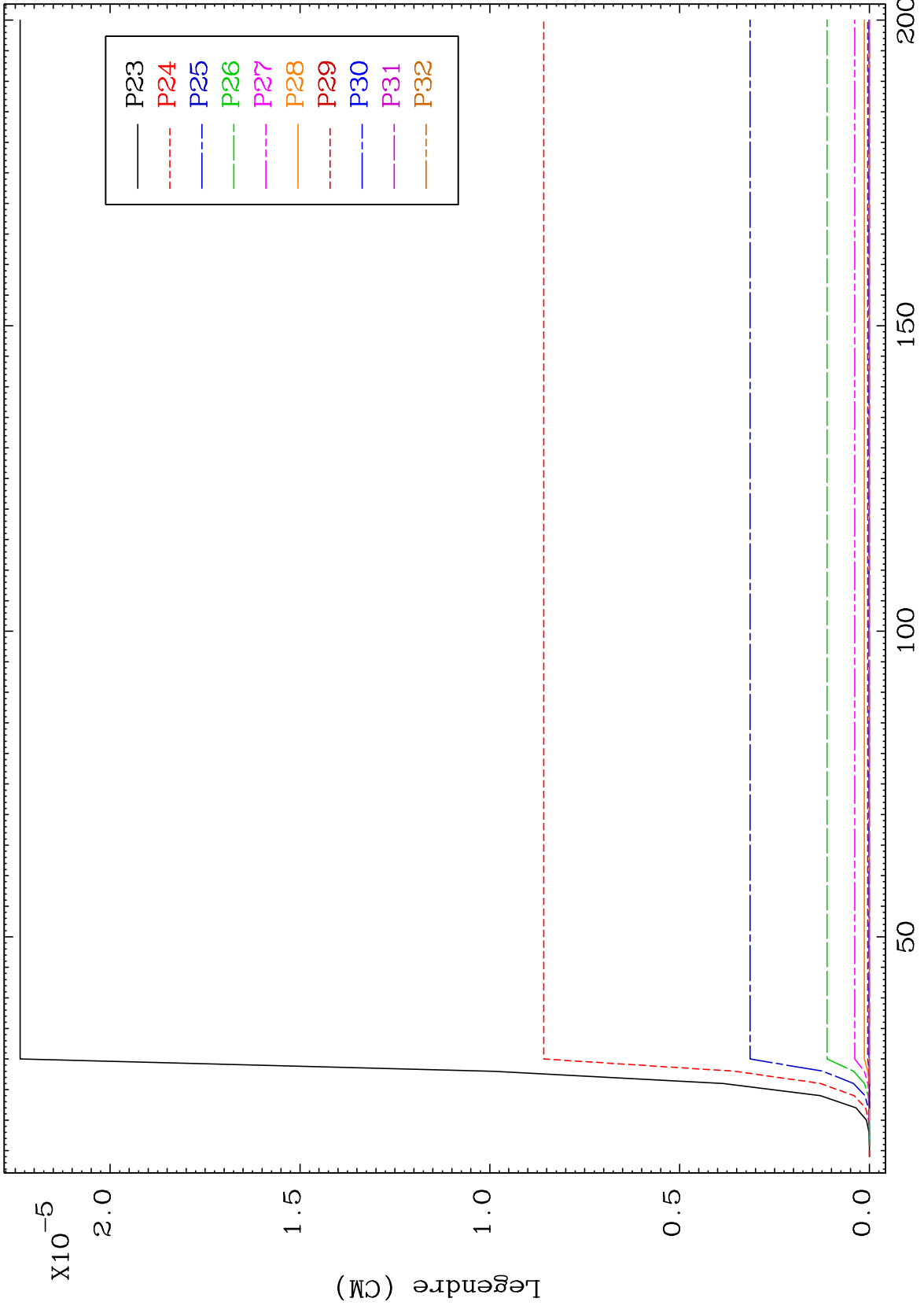
Incident Energy (MeV)

50-Sn-100

MAT 4989

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

50-Sn-100

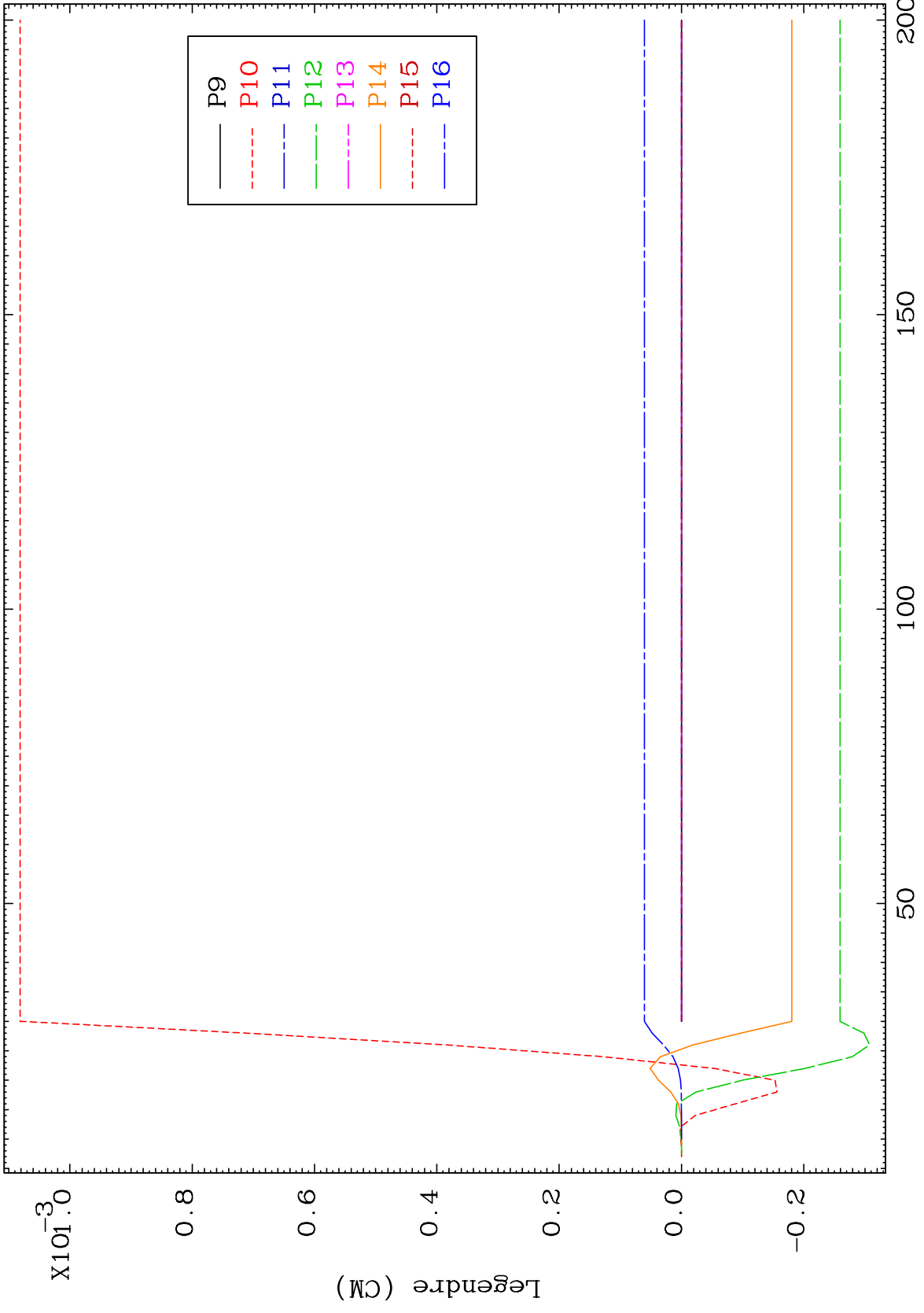


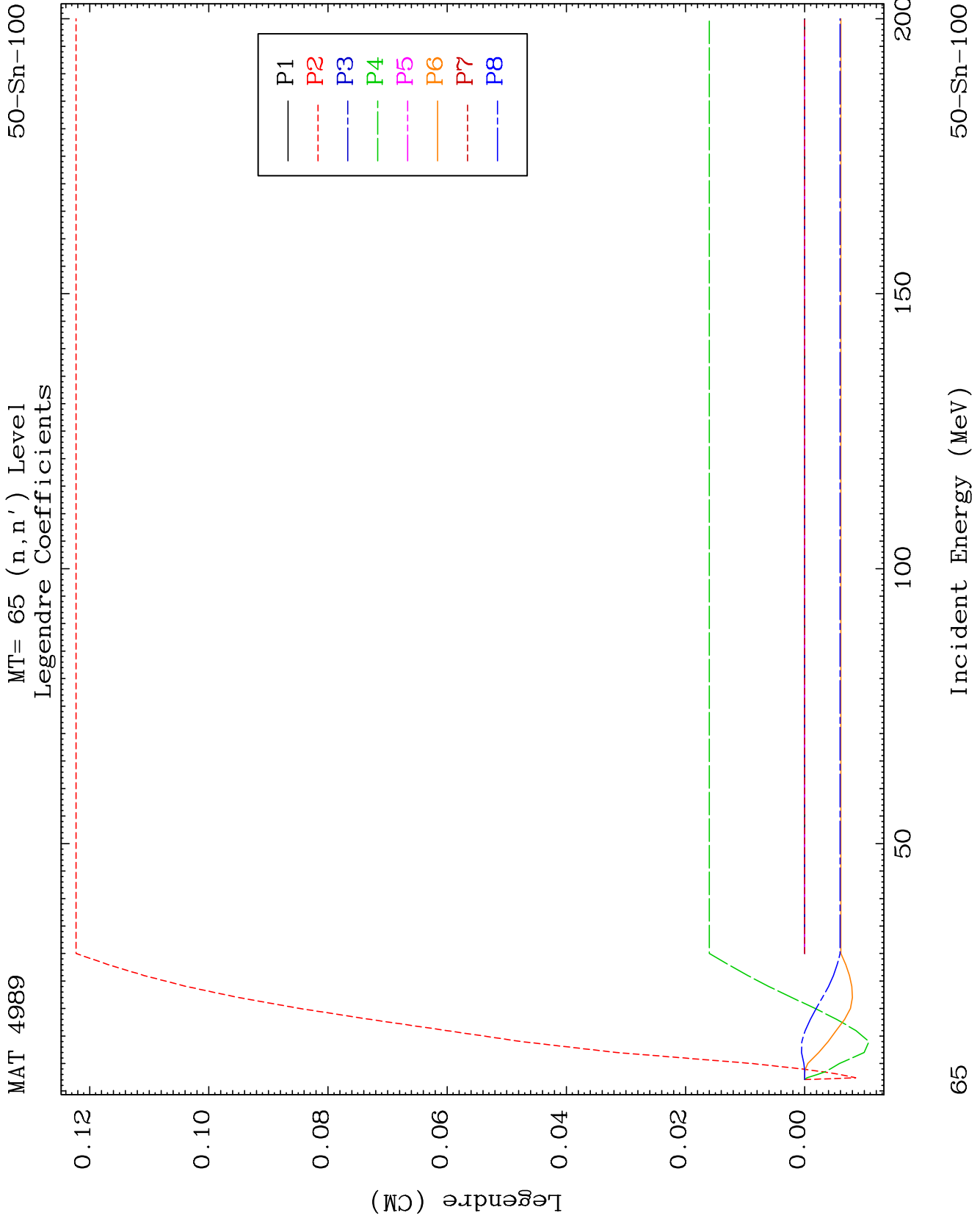
61

Incident Energy (MeV)

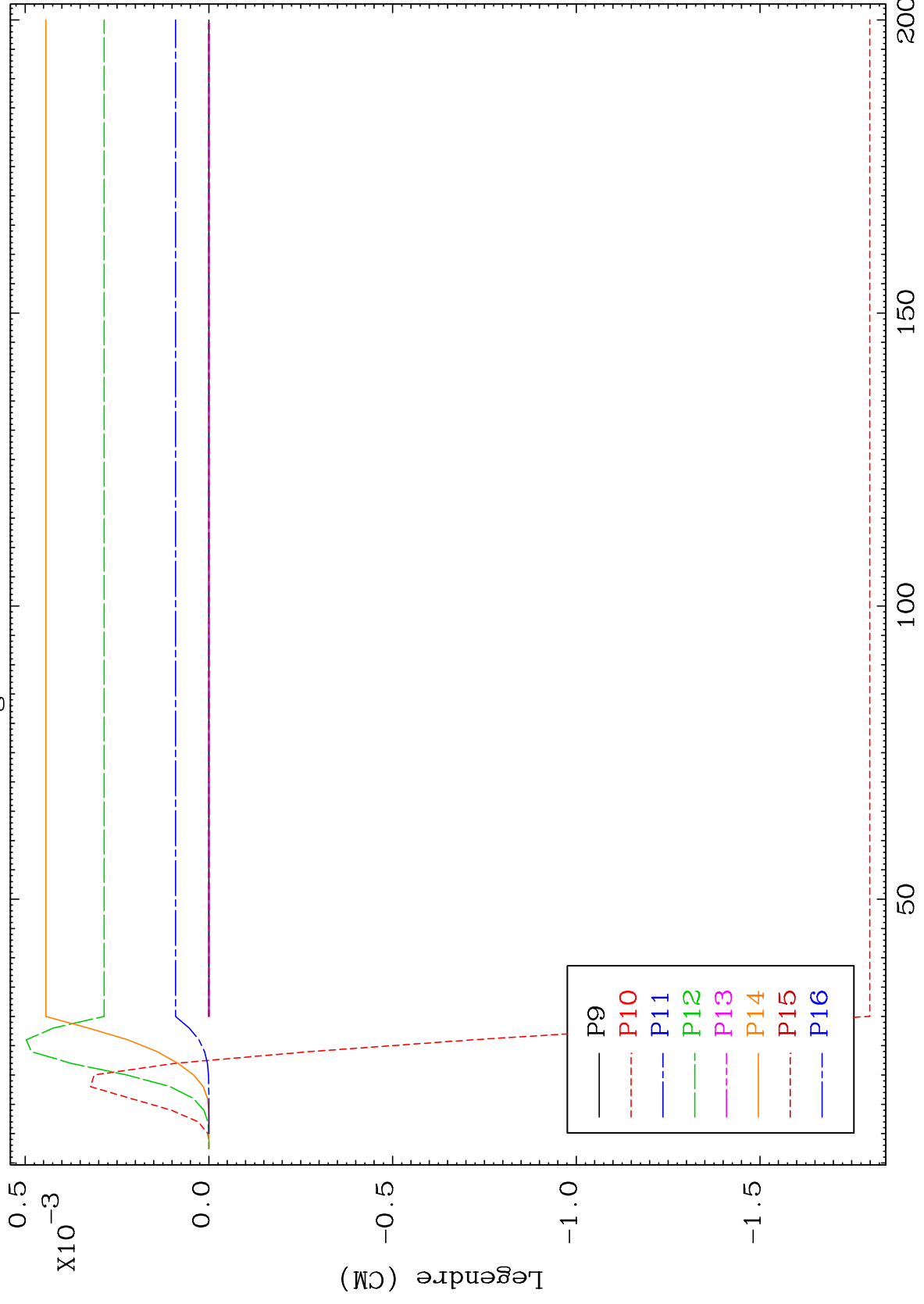
50-Sn-100

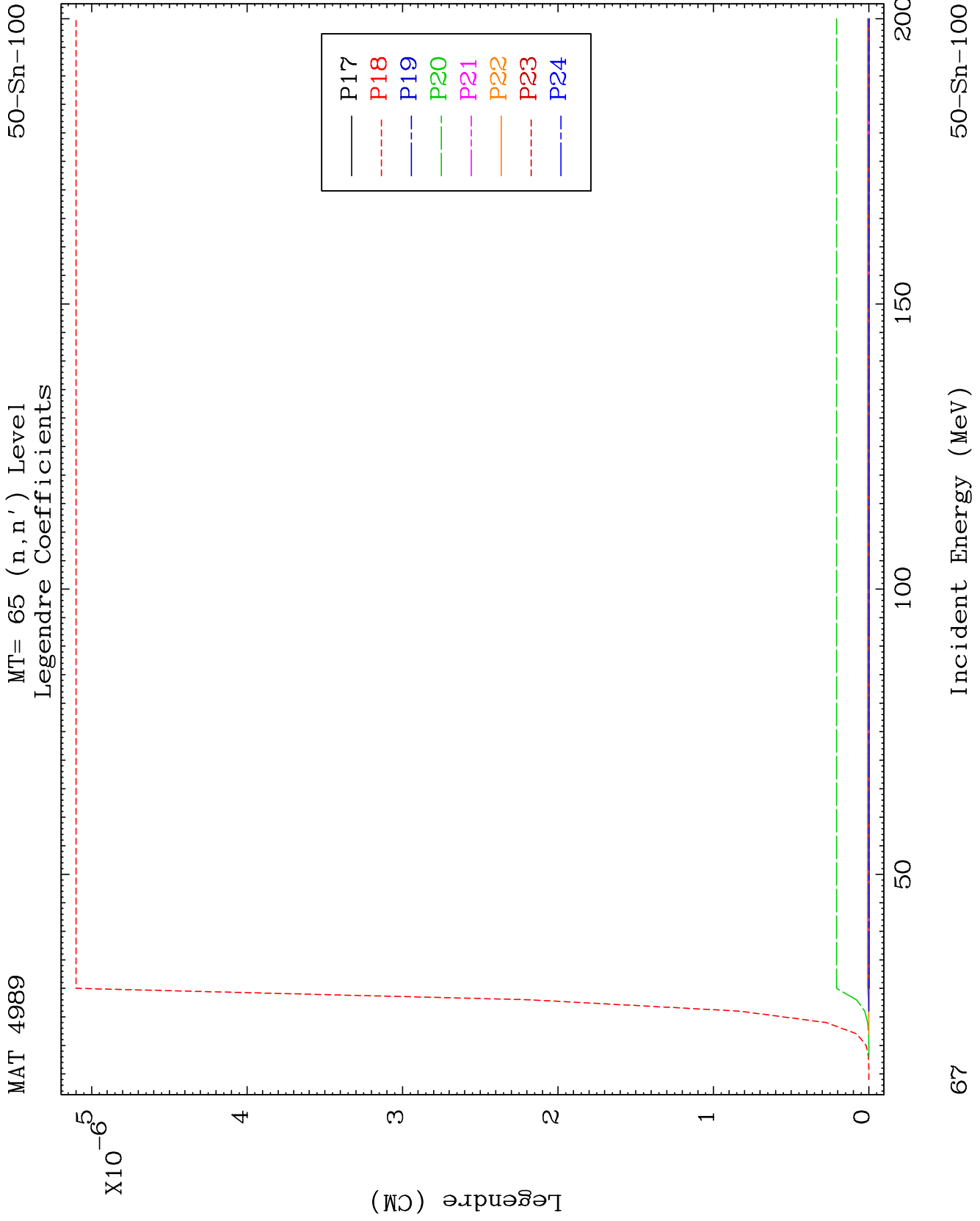
MAT 4989 MT= 64 (n,n') Level Legendre Coefficients 50-Sn-100

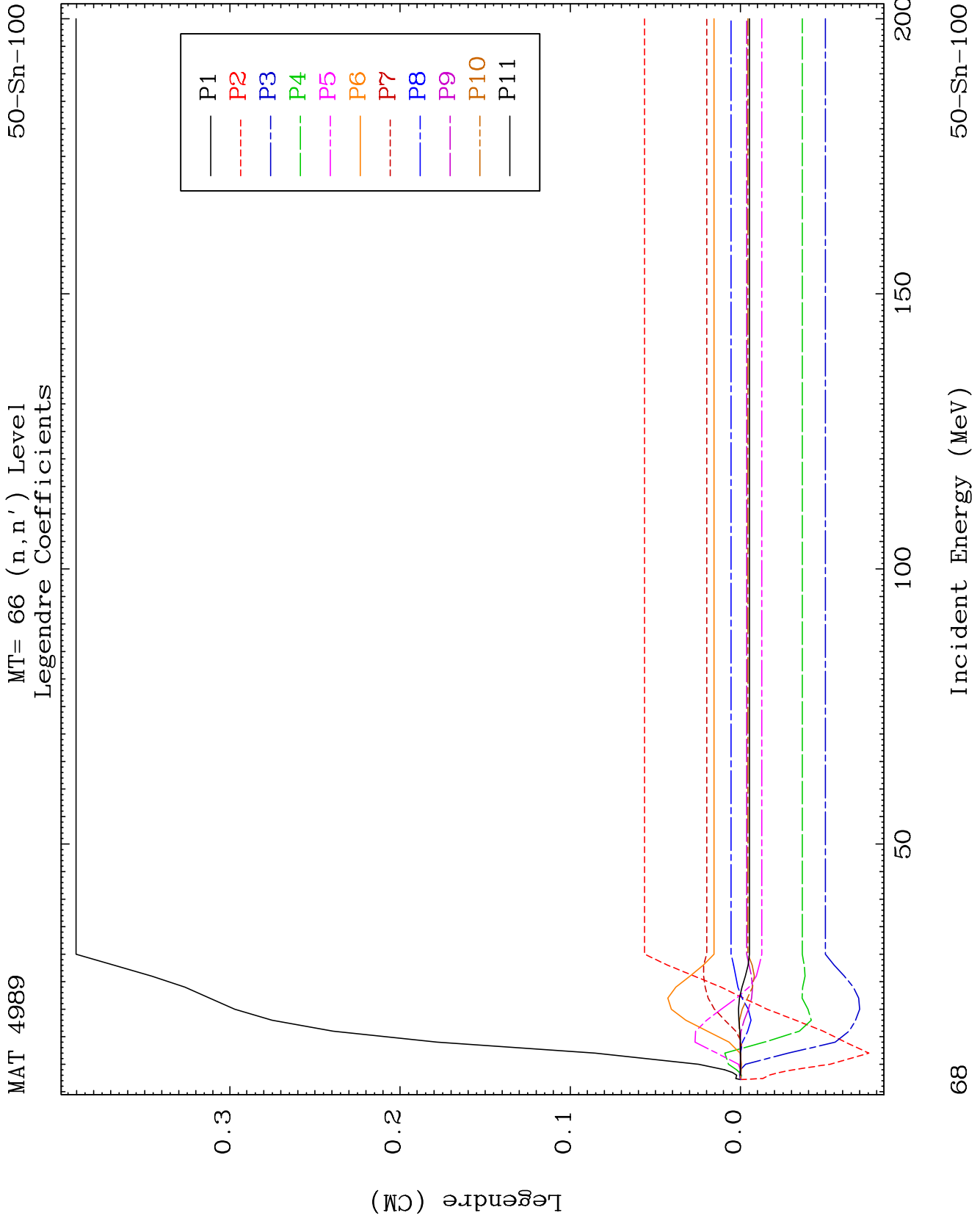


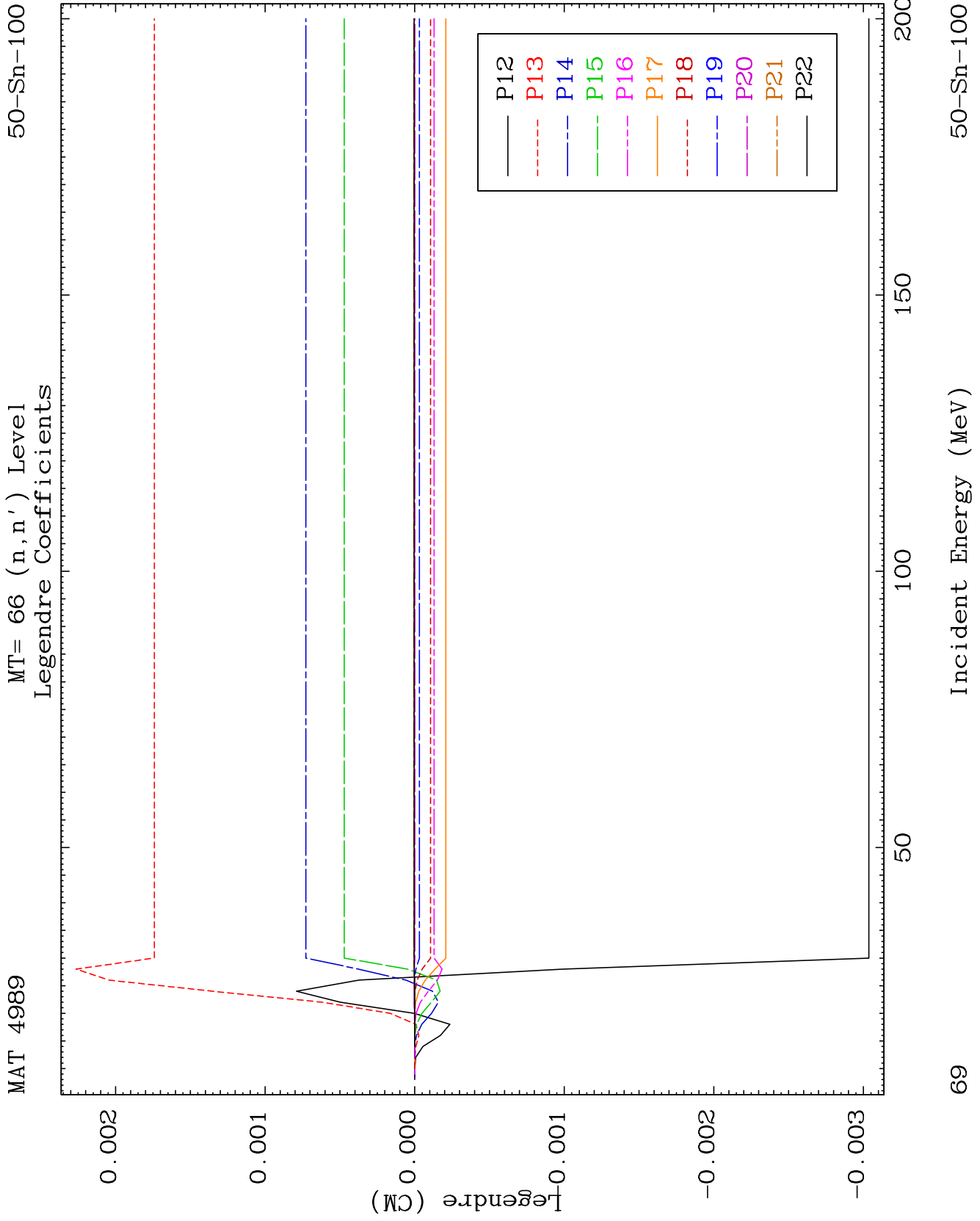


MAT 4989 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-100





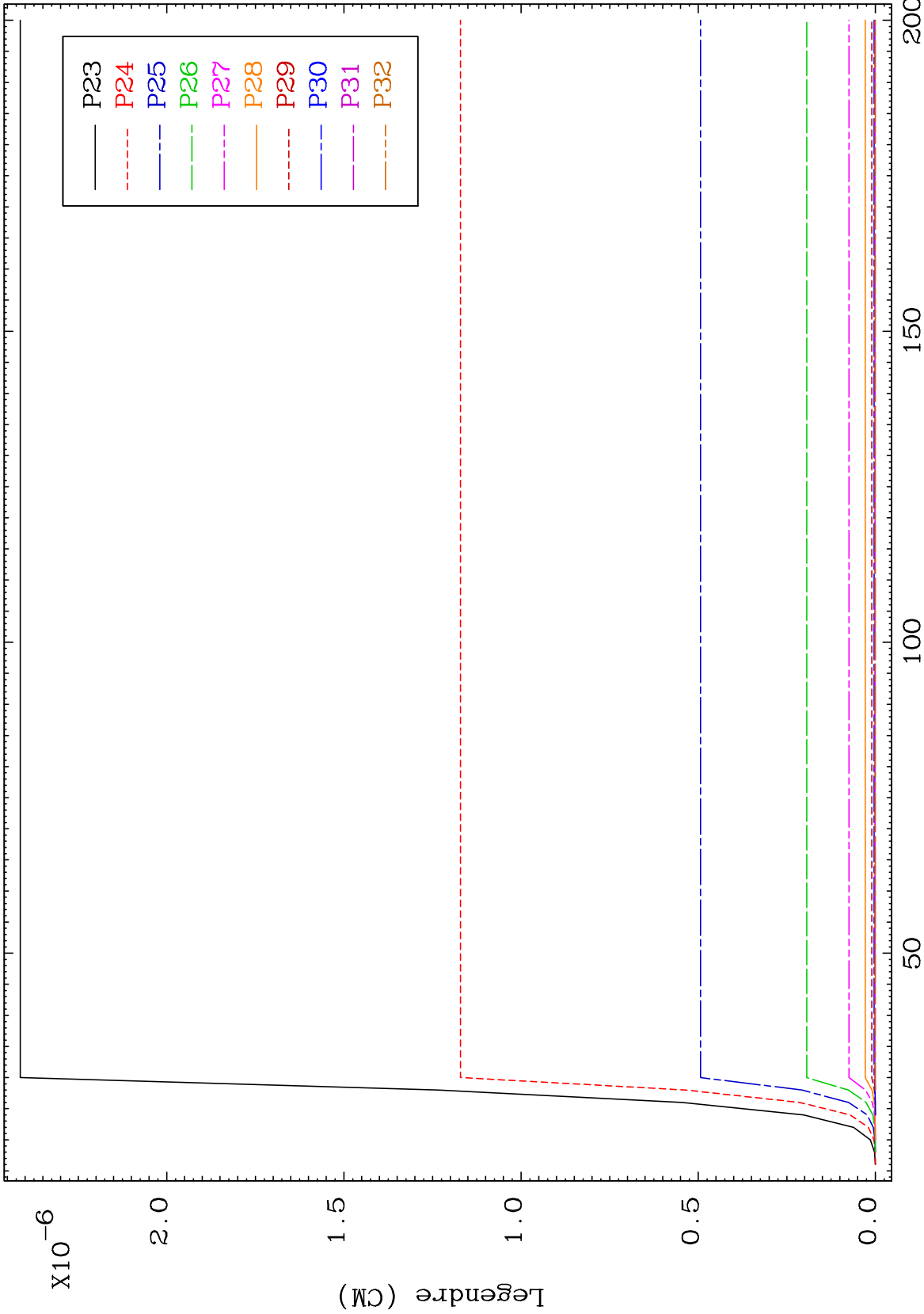




MAT 4989

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

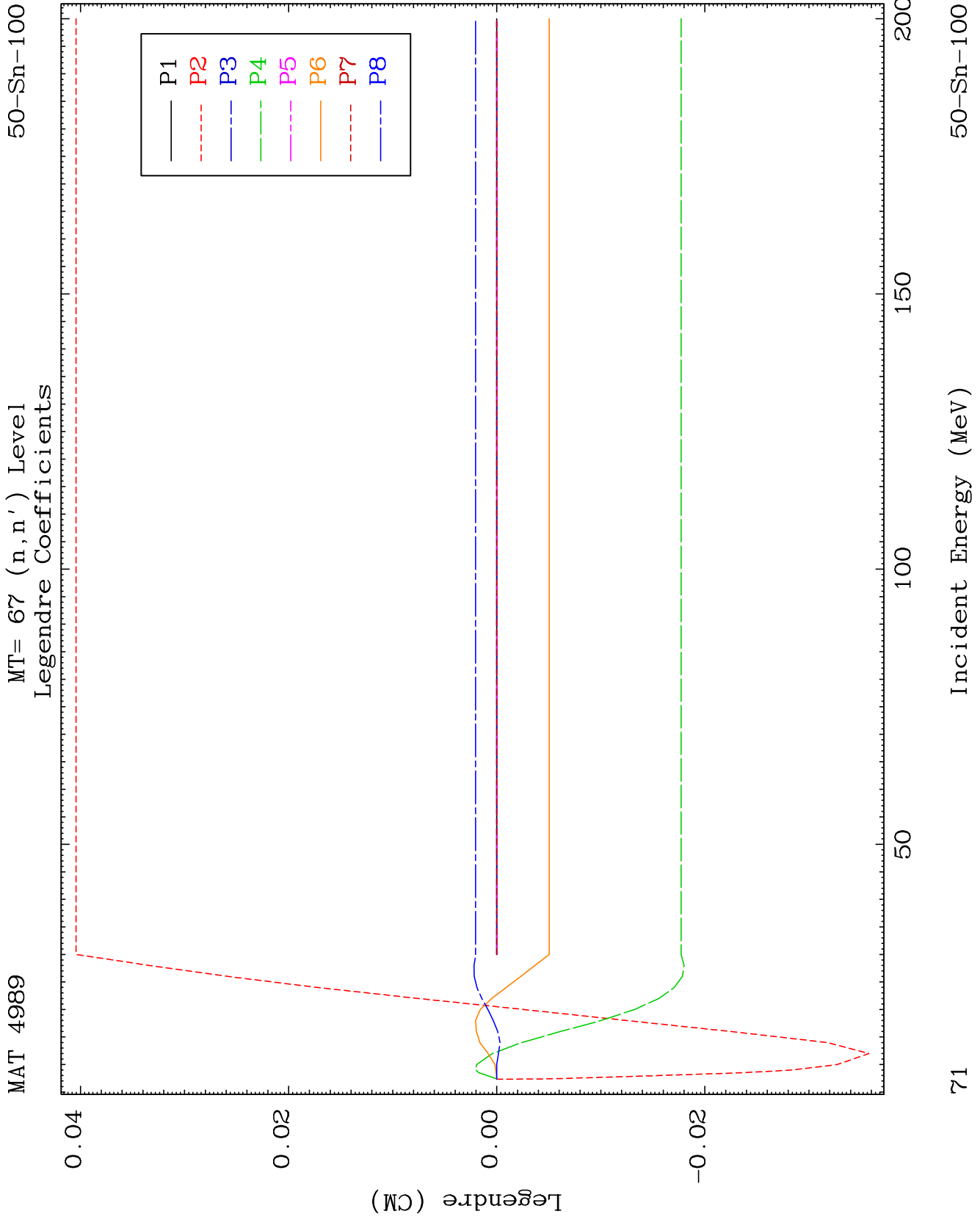
50-Sn-100



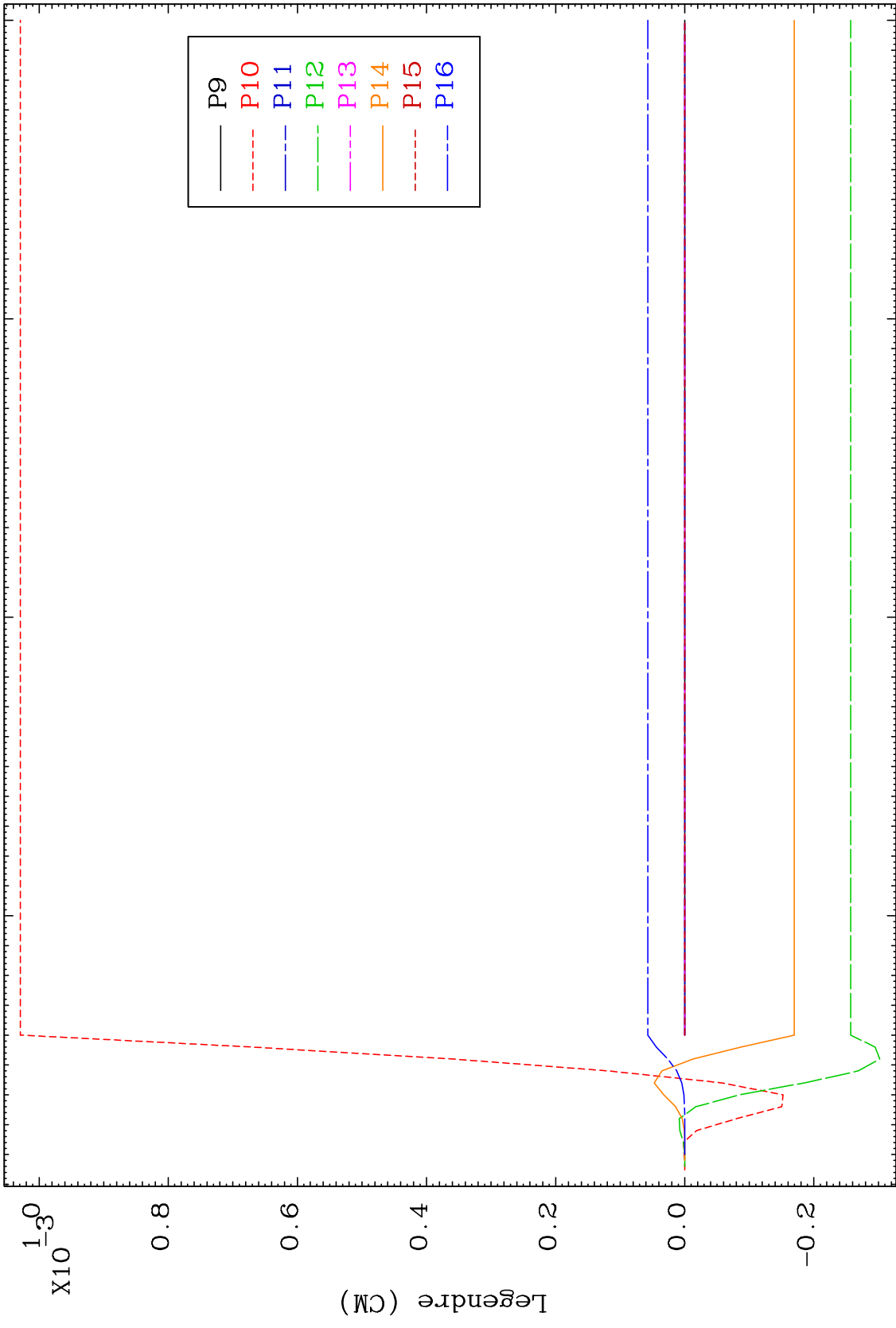
70

Incident Energy (MeV)

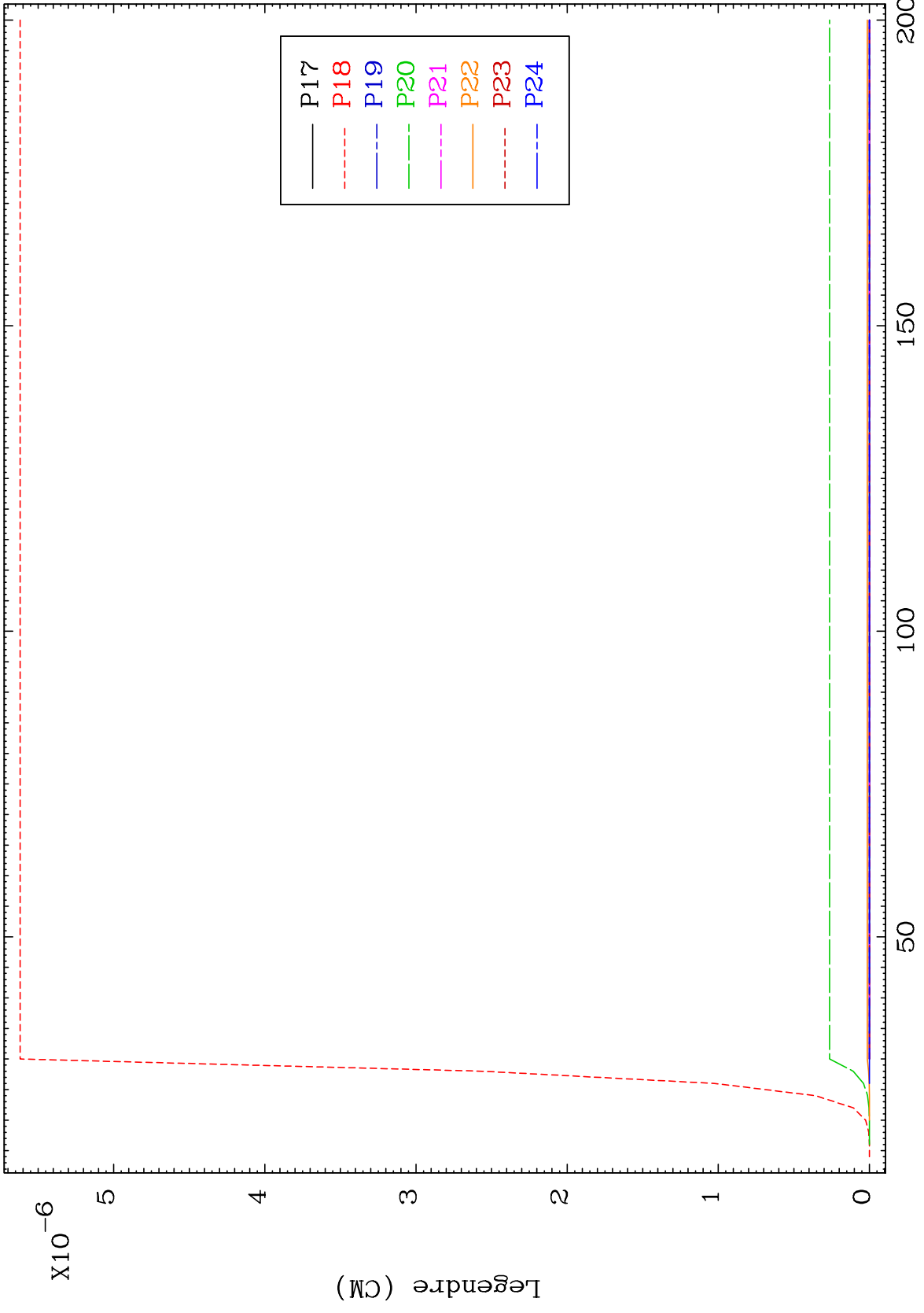
50-Sn-100



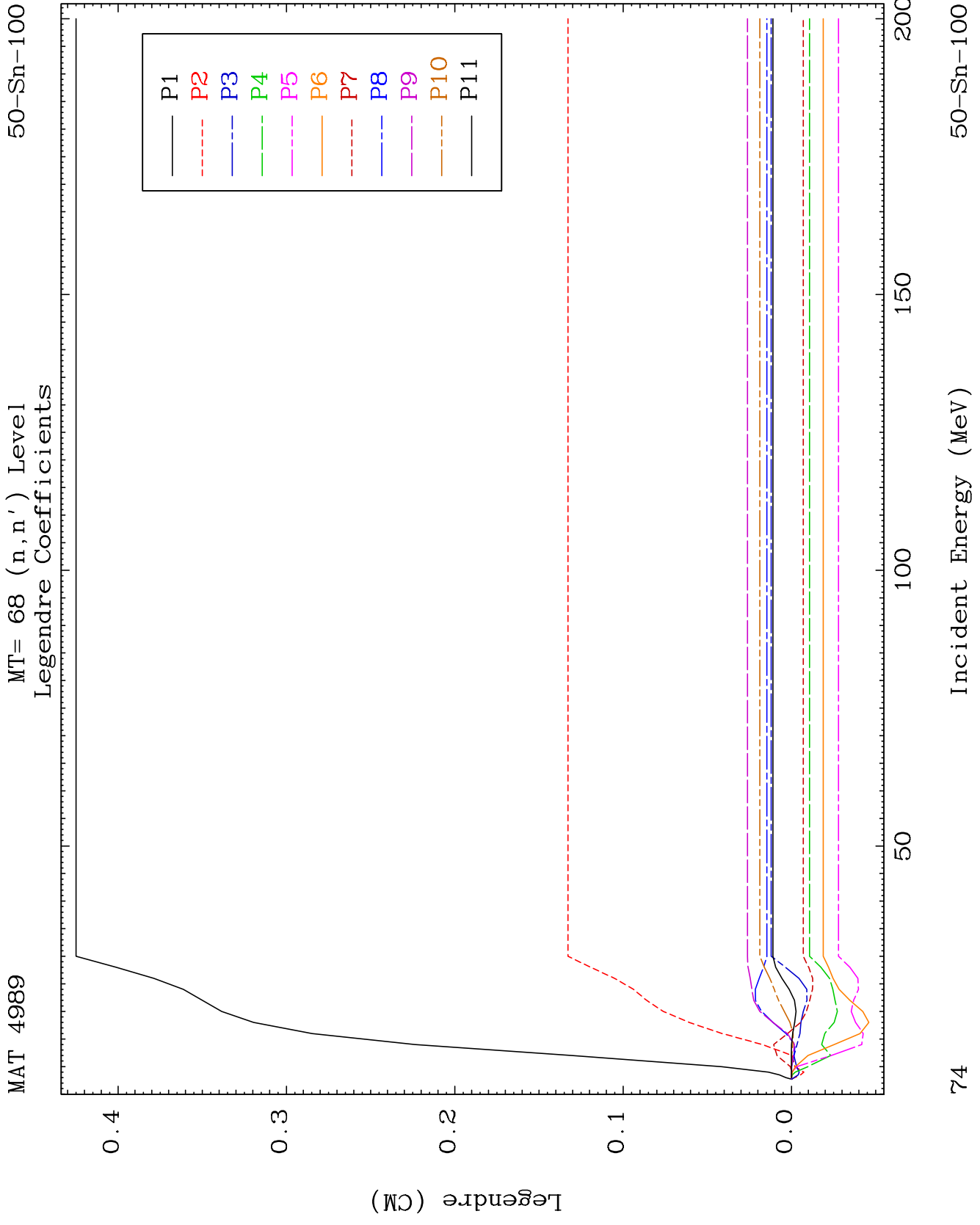
MAT 4989 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-100



MAT 4989 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-100



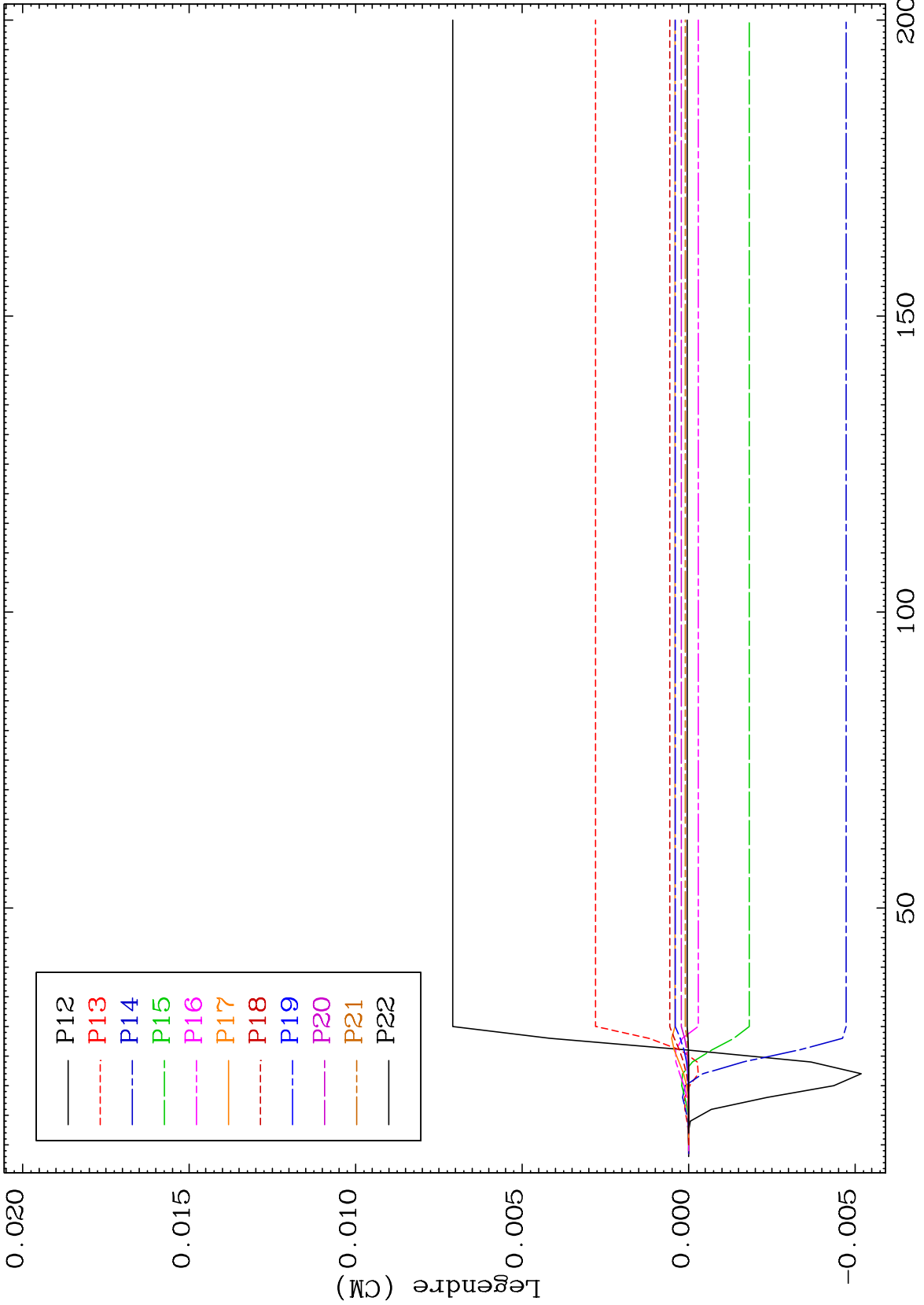
73 50-Sn-100



MAT 4989

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

50-Sn-100

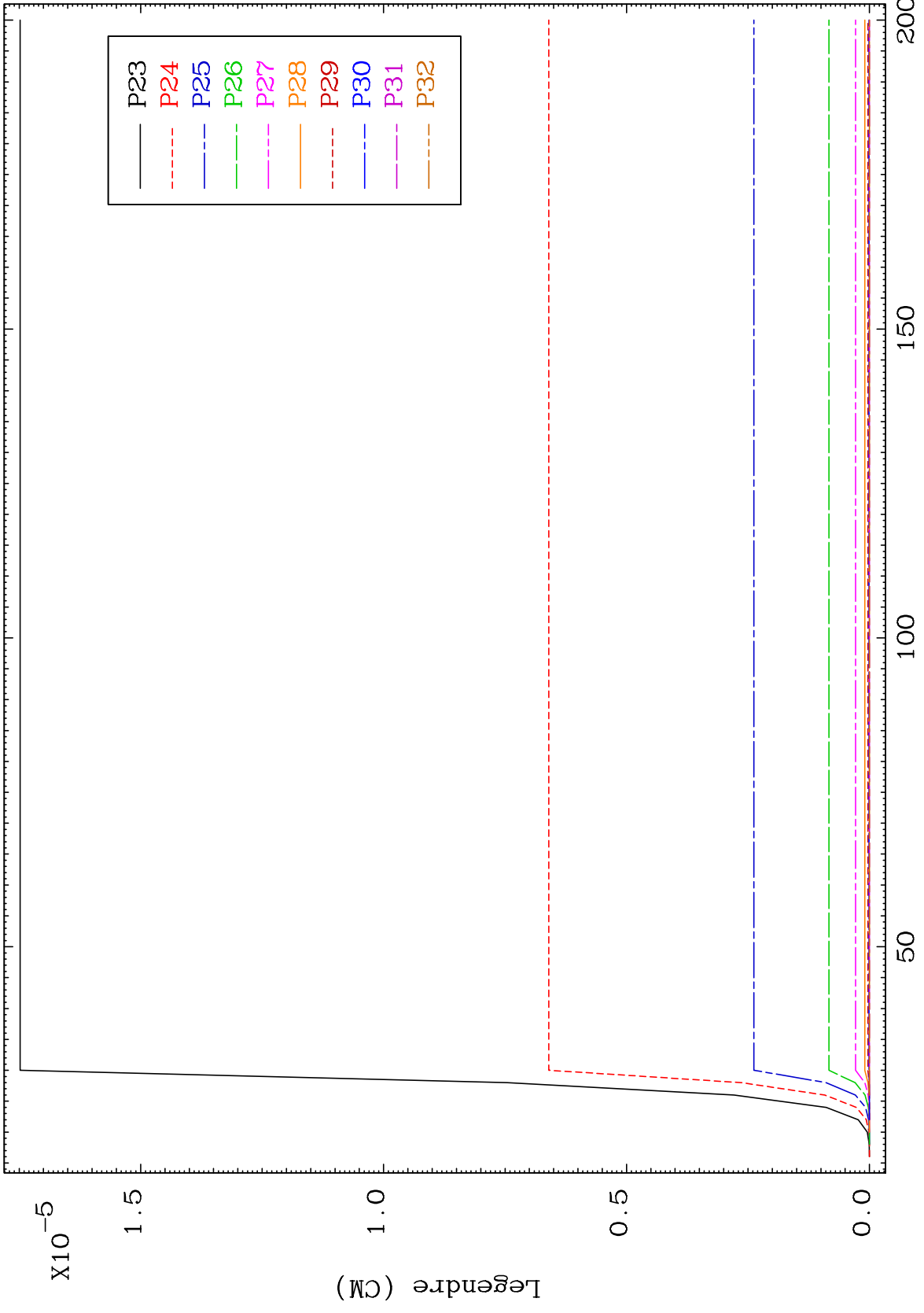


75

Incident Energy (MeV)

50-Sn-100

MAT 4989 MT= 68 (n,n') Level Legendre Coefficients 50-Sn-100



76

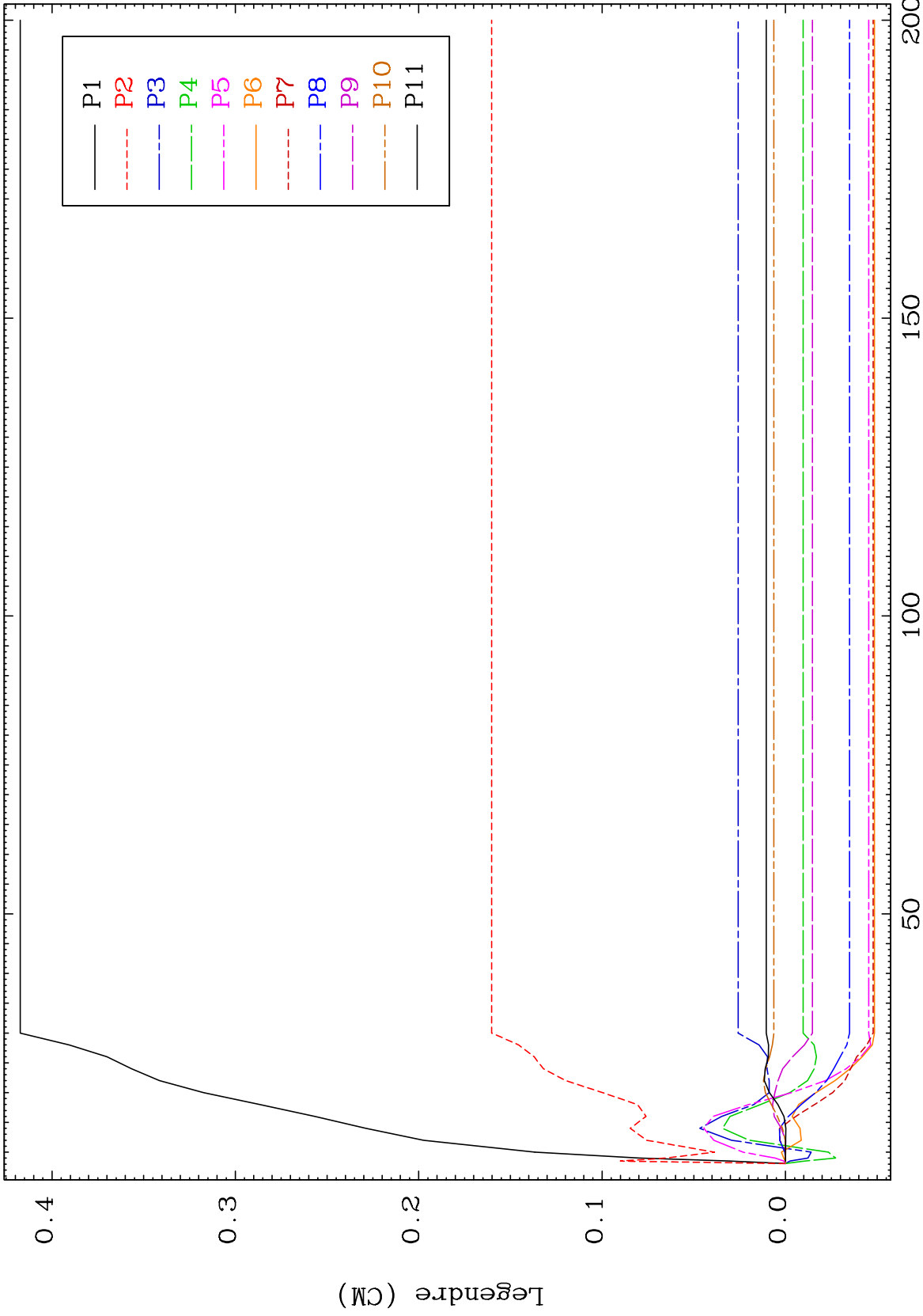
Incident Energy (MeV)

50-Sn-100

MAT 4989

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

50-Sn-100



77

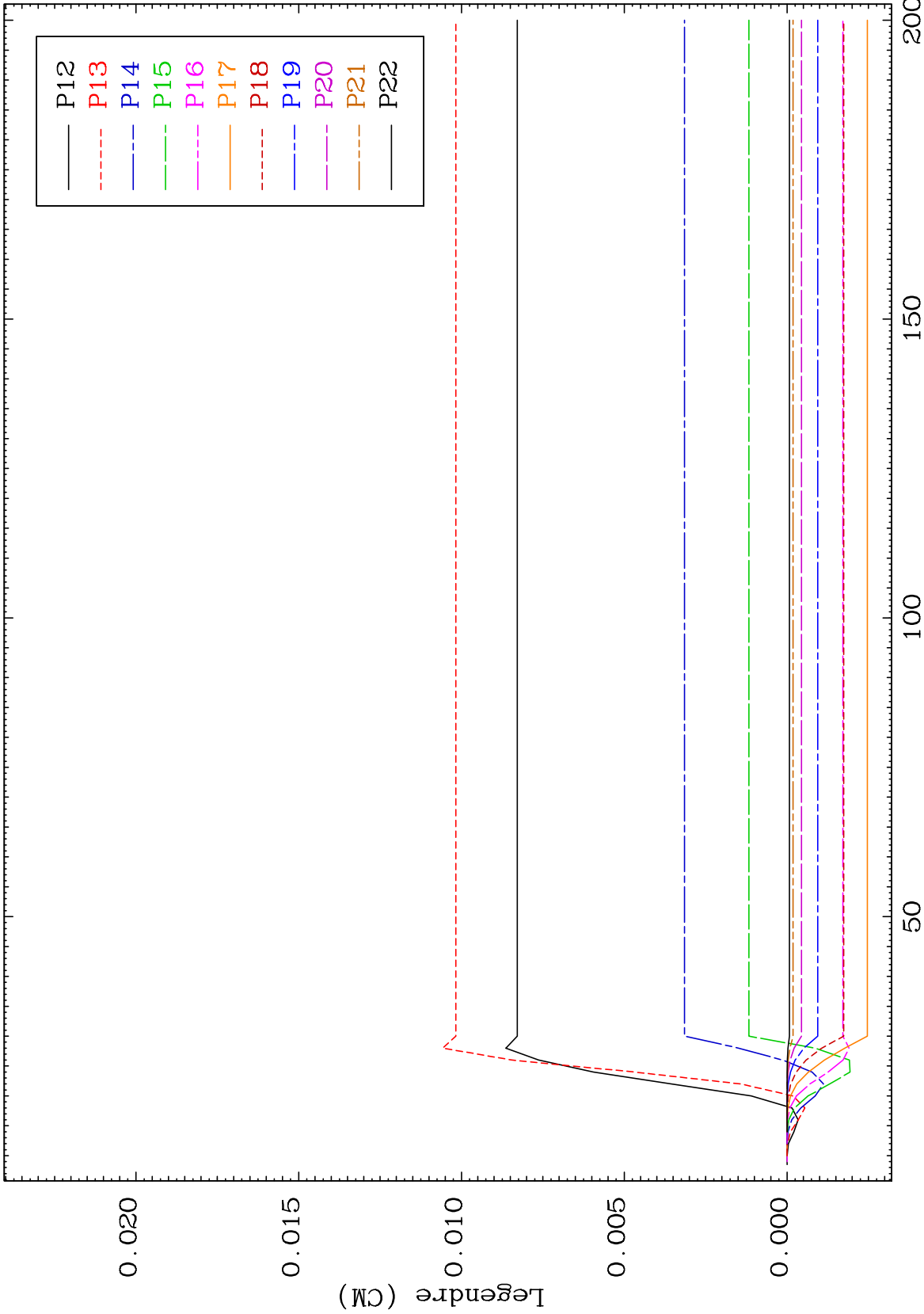
Incident Energy (MeV)

50-Sn-100

MAT 4989

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

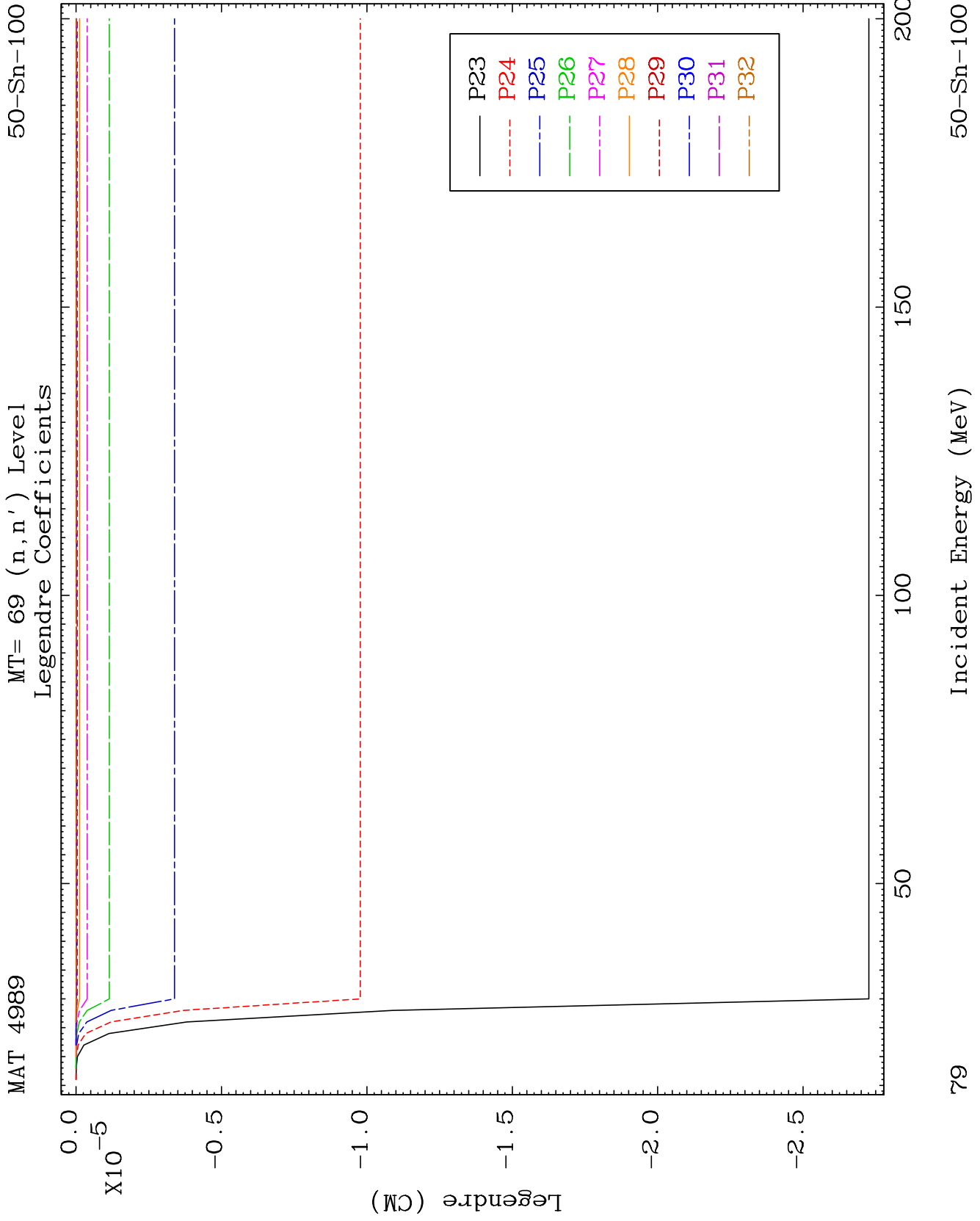
50-Sn-100



78

Incident Energy (MeV)

50-Sn-100

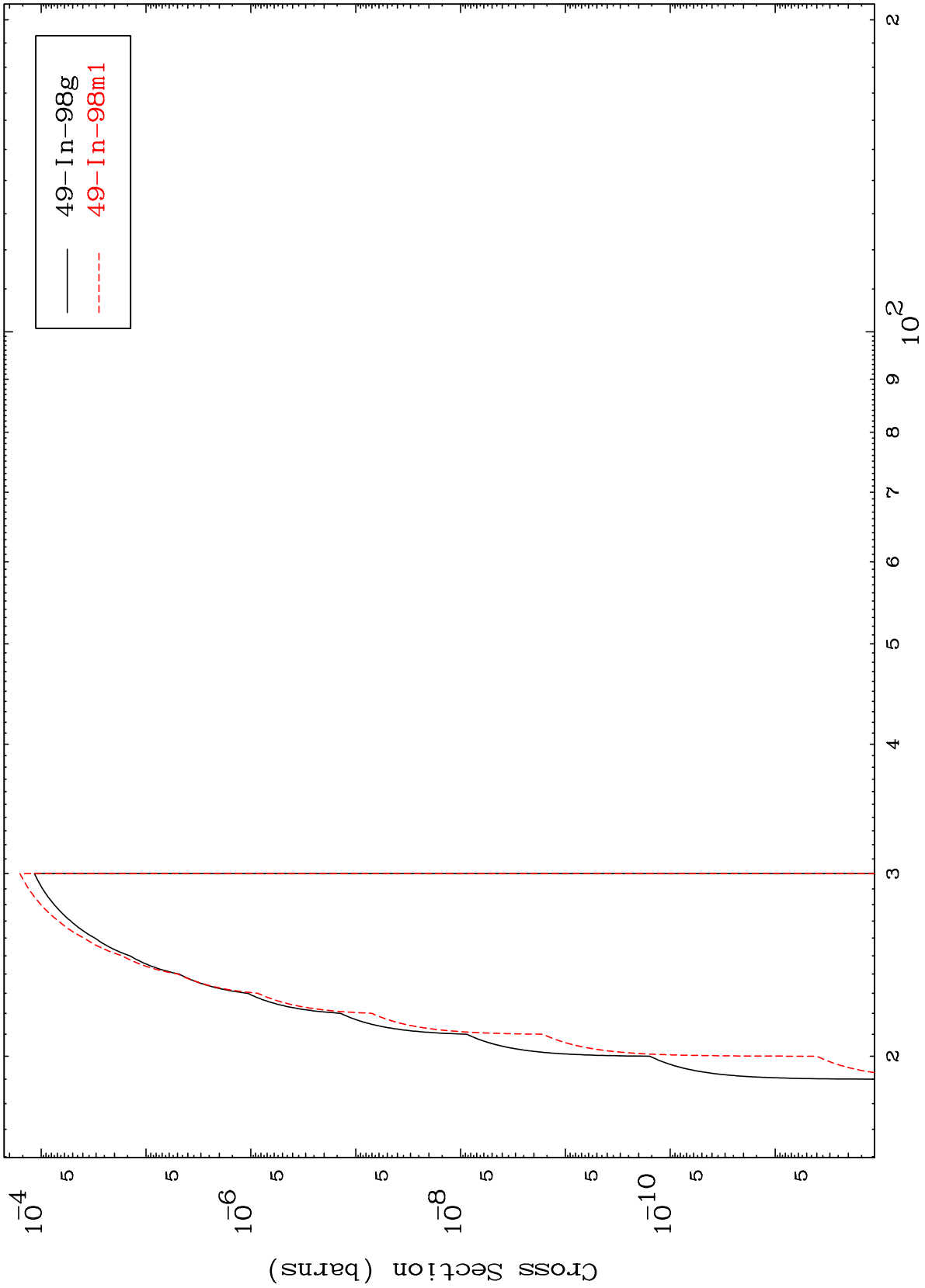


MAT 4989

(n,n') d

50-Sn-100

Radionuclide Production Cross Section



80

Incident Energy (MeV)

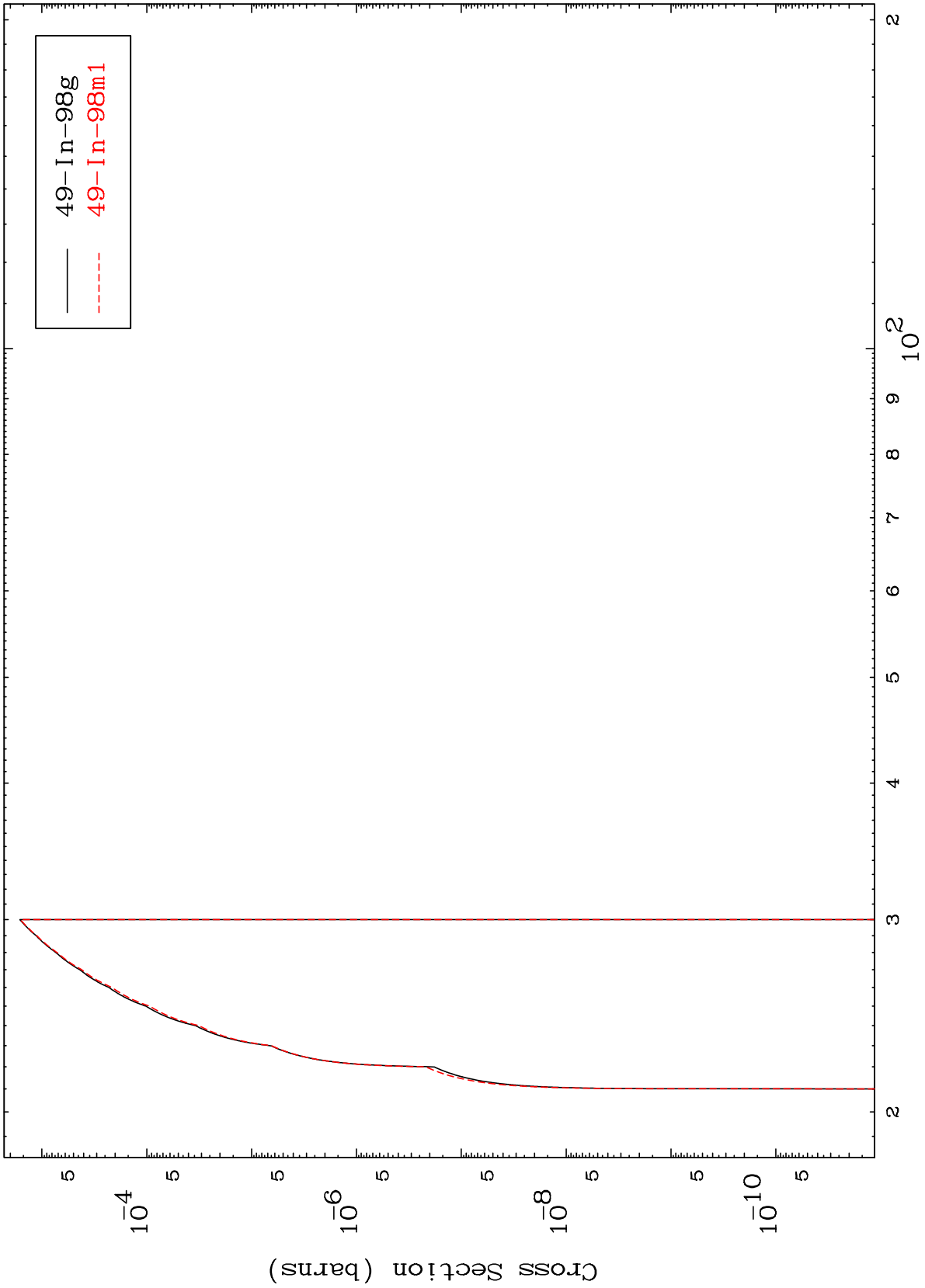
50-Sn-100

MAT 4989

(n,2n) p

50-Sn-100

Radionuclide Production Cross Section



81

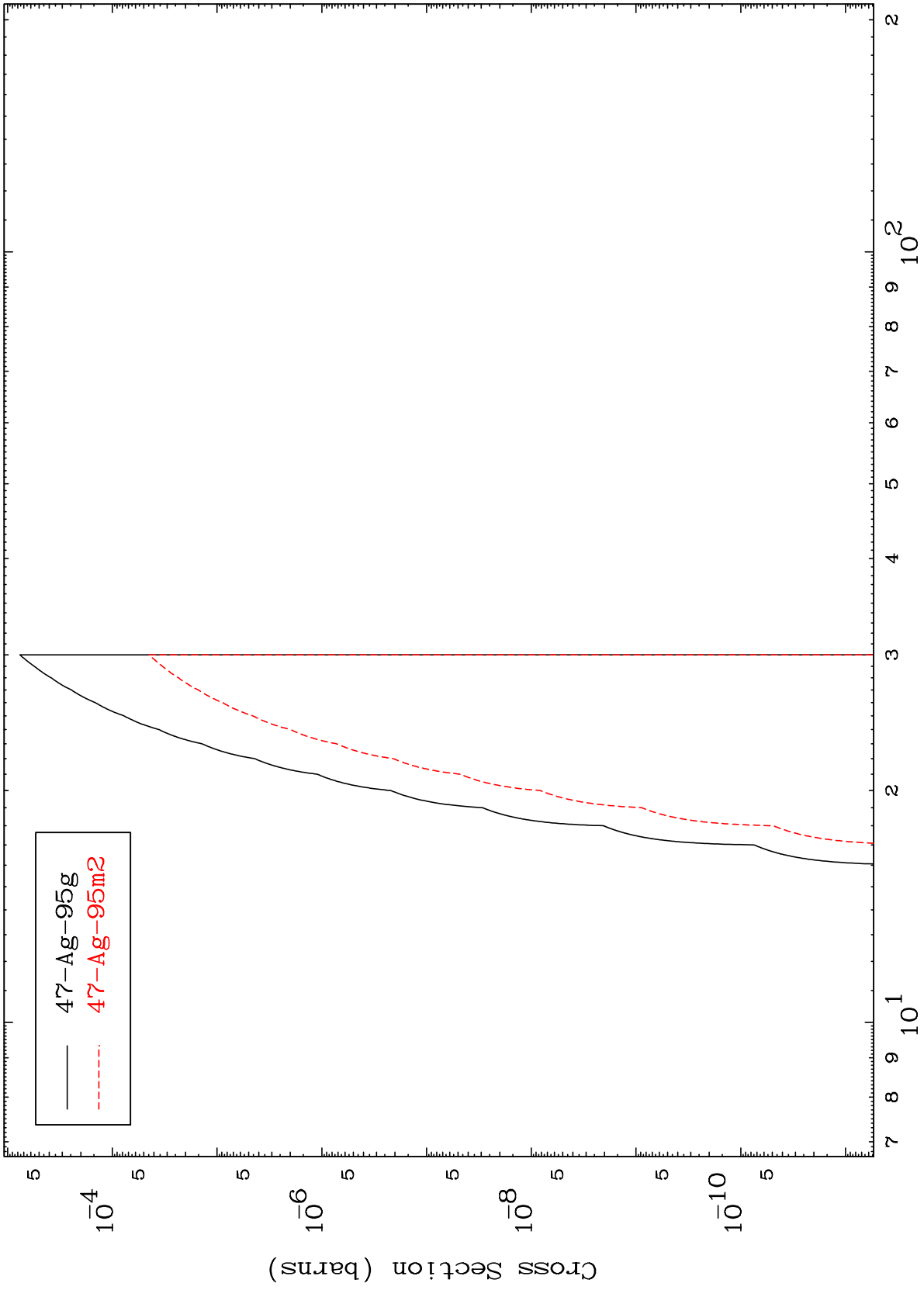
Incident Energy (MeV)

50-Sn-100

MAT 4989

50-Sn-100

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



82

Incident Energy (MeV)

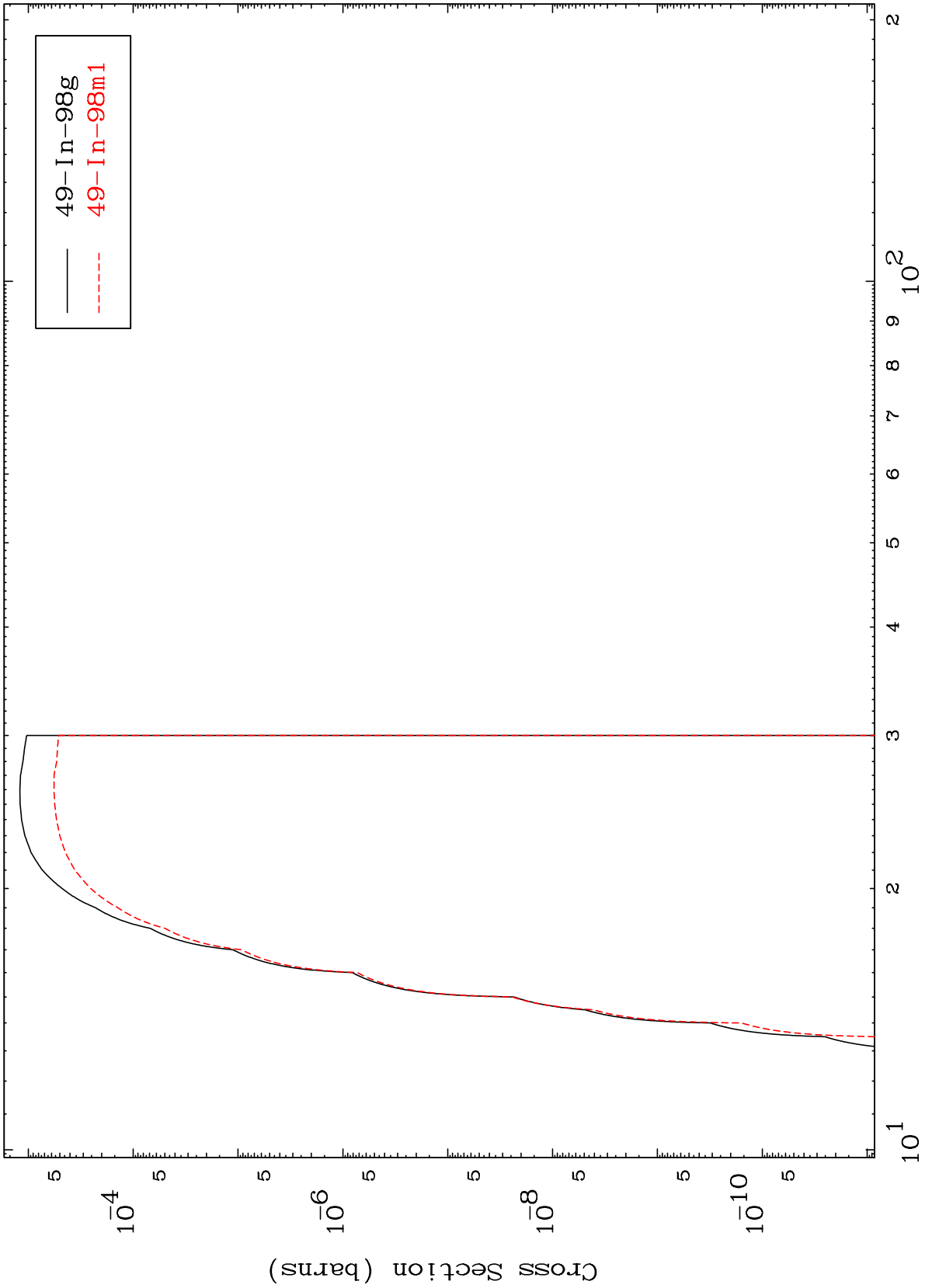
50-Sn-100

MAT 4989

(n, t)

50-Sn-100

Radionuclide Production Cross Section



83

Incident Energy (MeV)

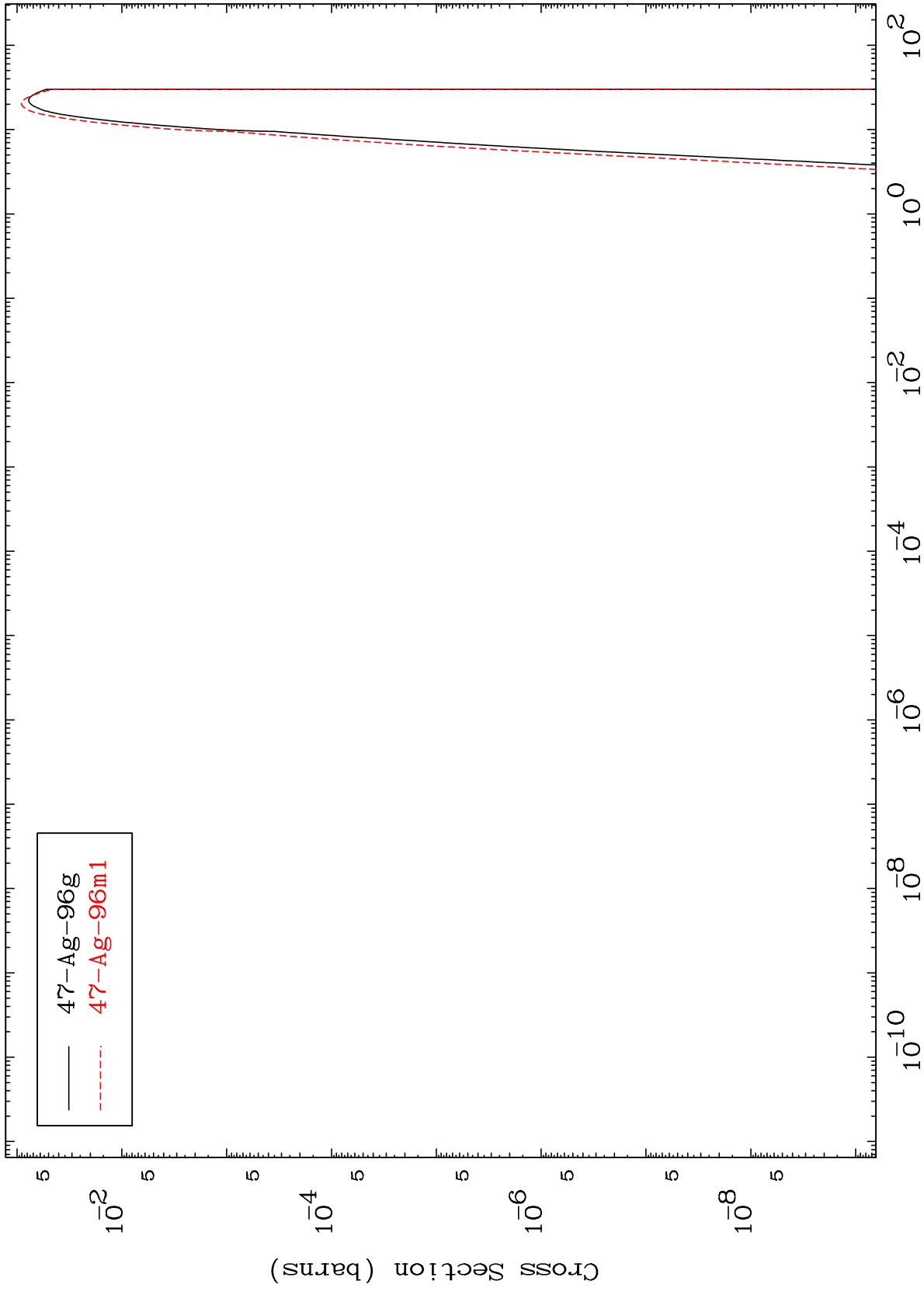
50-Sn-100

MAT 4989

(n,p) α

50-Sn-100

Radionuclide Production Cross Section



84

Incident Energy (MeV)

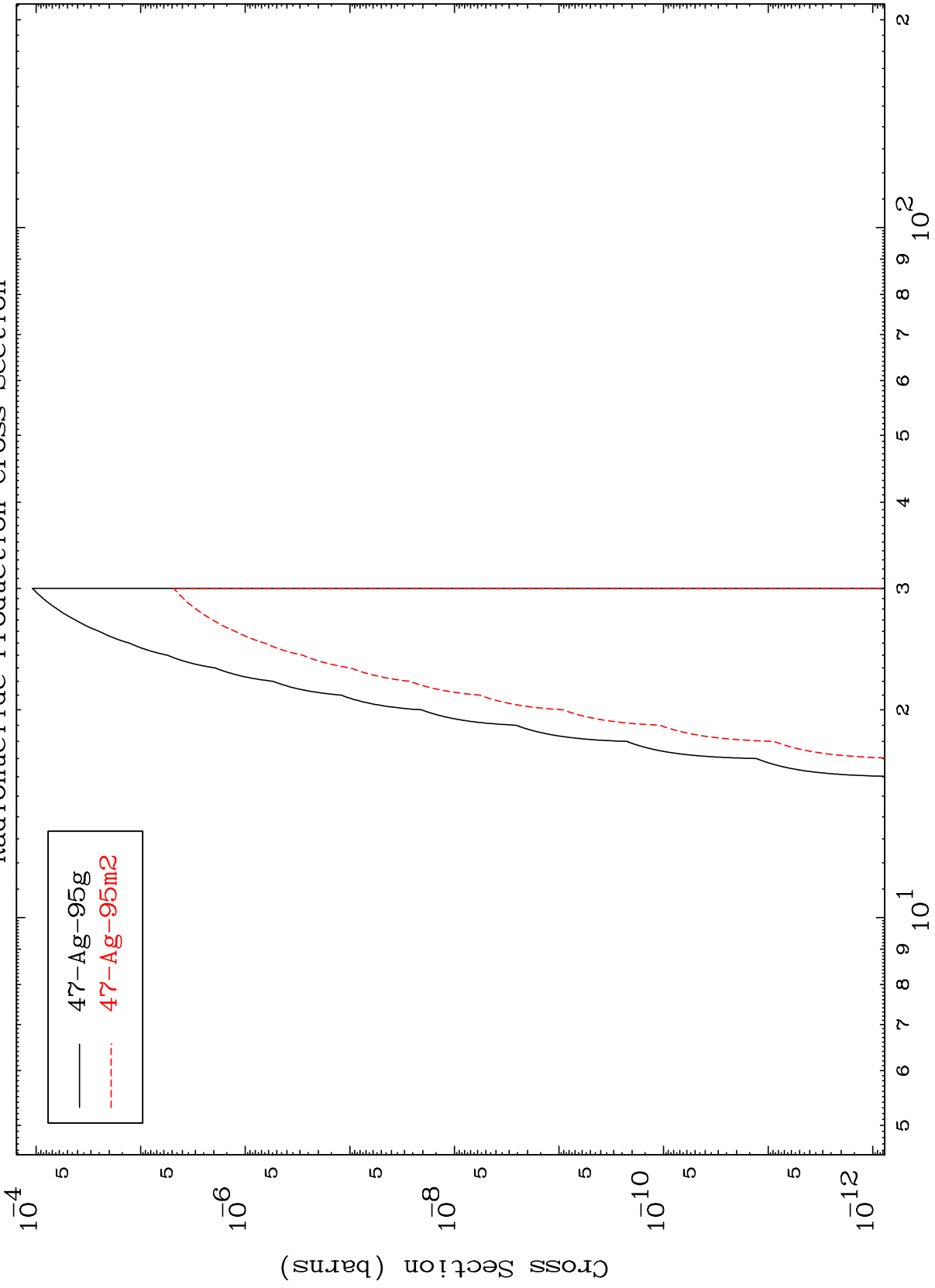
50-Sn-100

MAT 4989

(n,d) α

50-Sn-100

Radionuclide Production Cross Section



85

Incident Energy (MeV)

50-Sn-100