

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

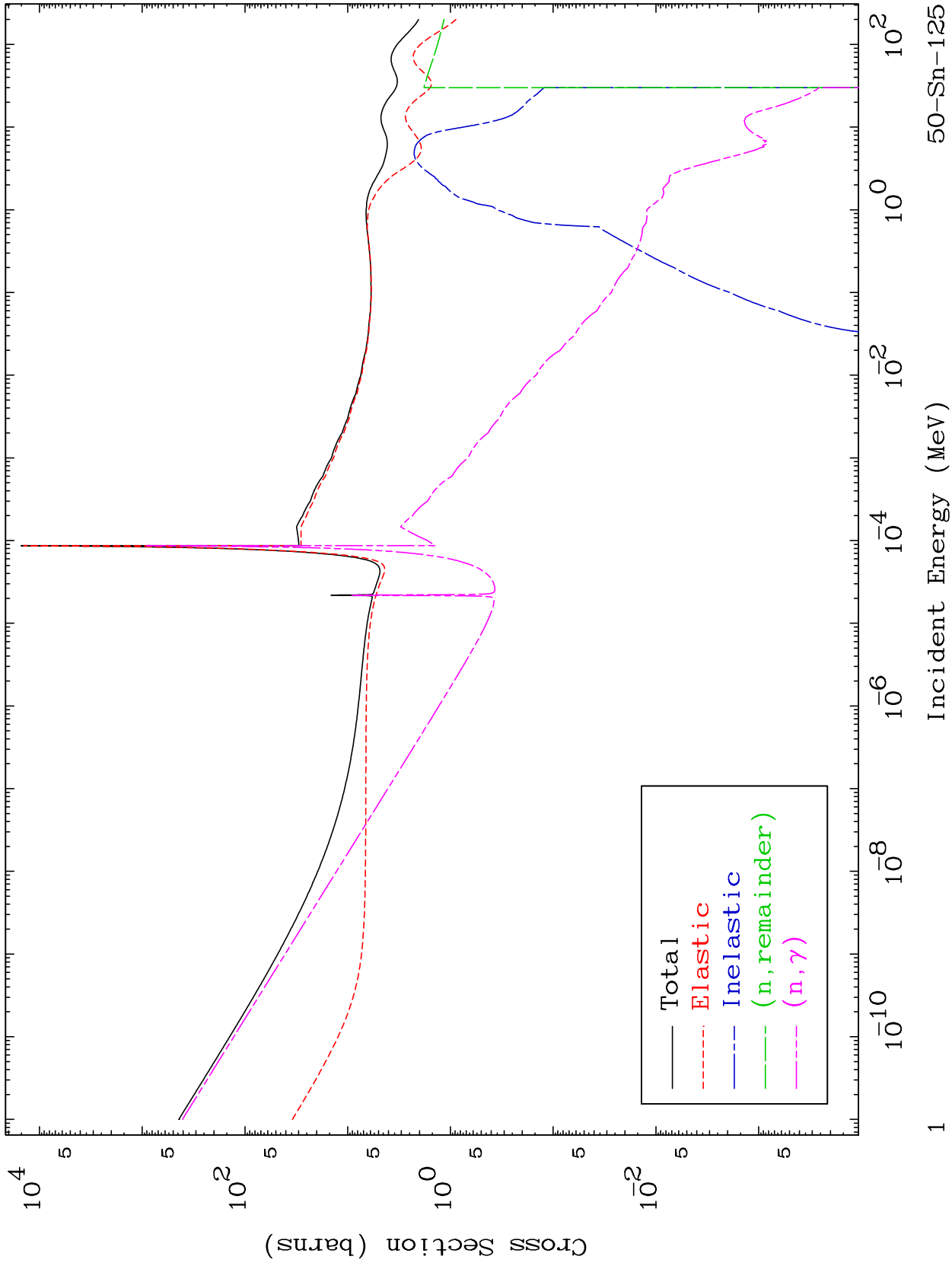
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5064

Major
293 Kelvin Cross Sections

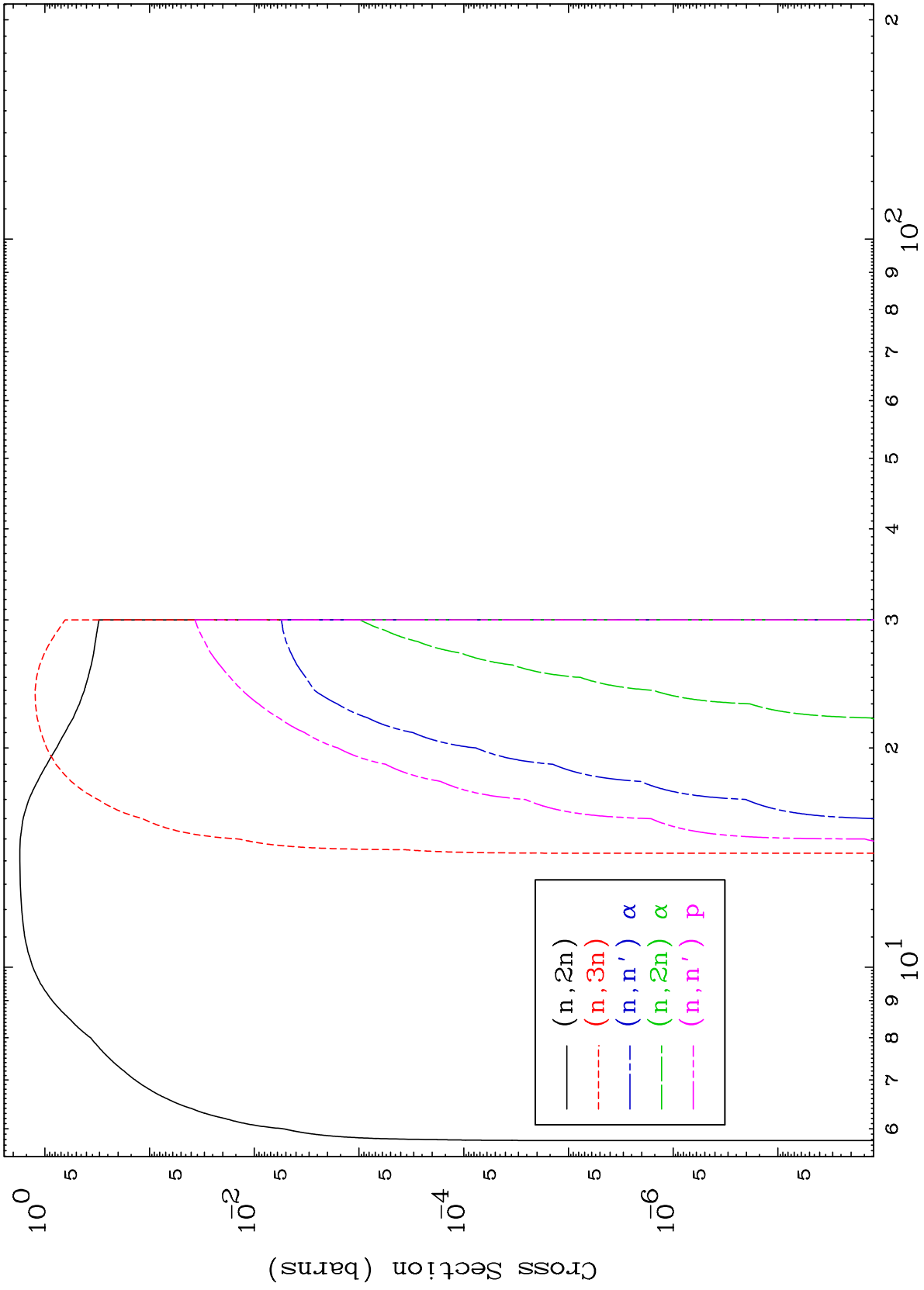
50-Sn-125



MAT 5064

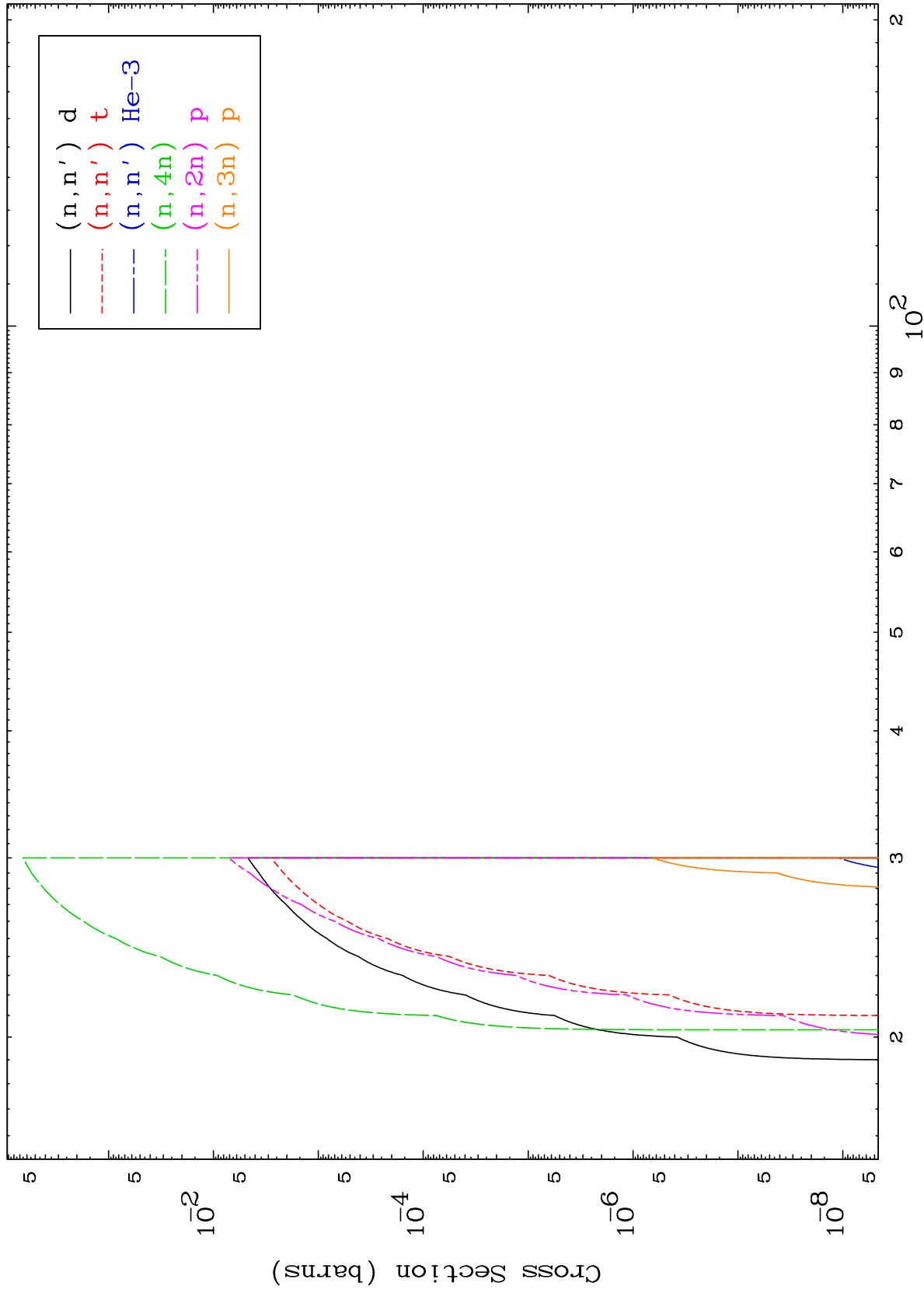
Neutron Production
293 Kelvin Cross Sections

50-Sn-125



2

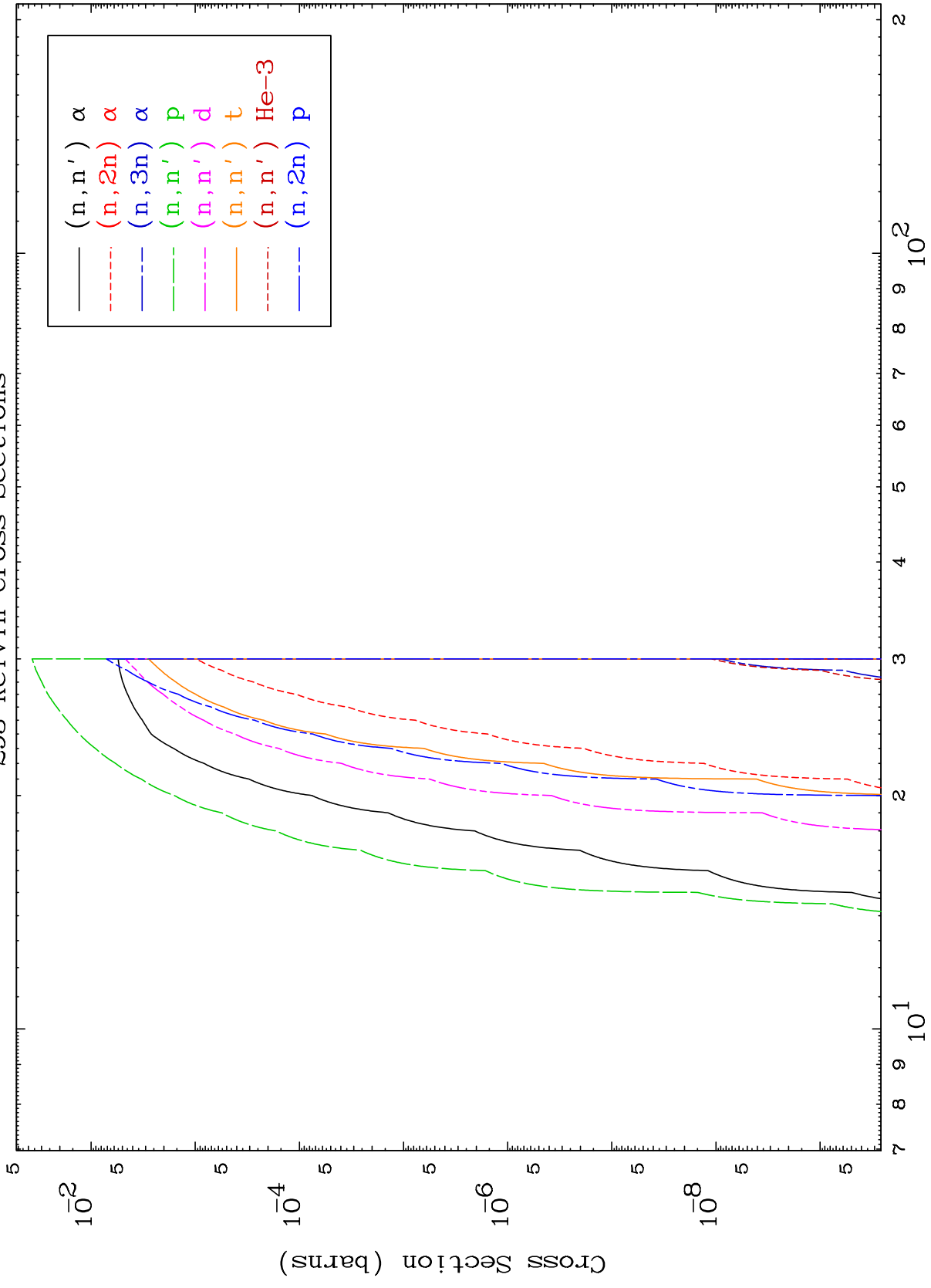
50-Sn-125



MAT 5064

Charged Particle
293 Kelvin Cross Sections

50-Sn-125



4

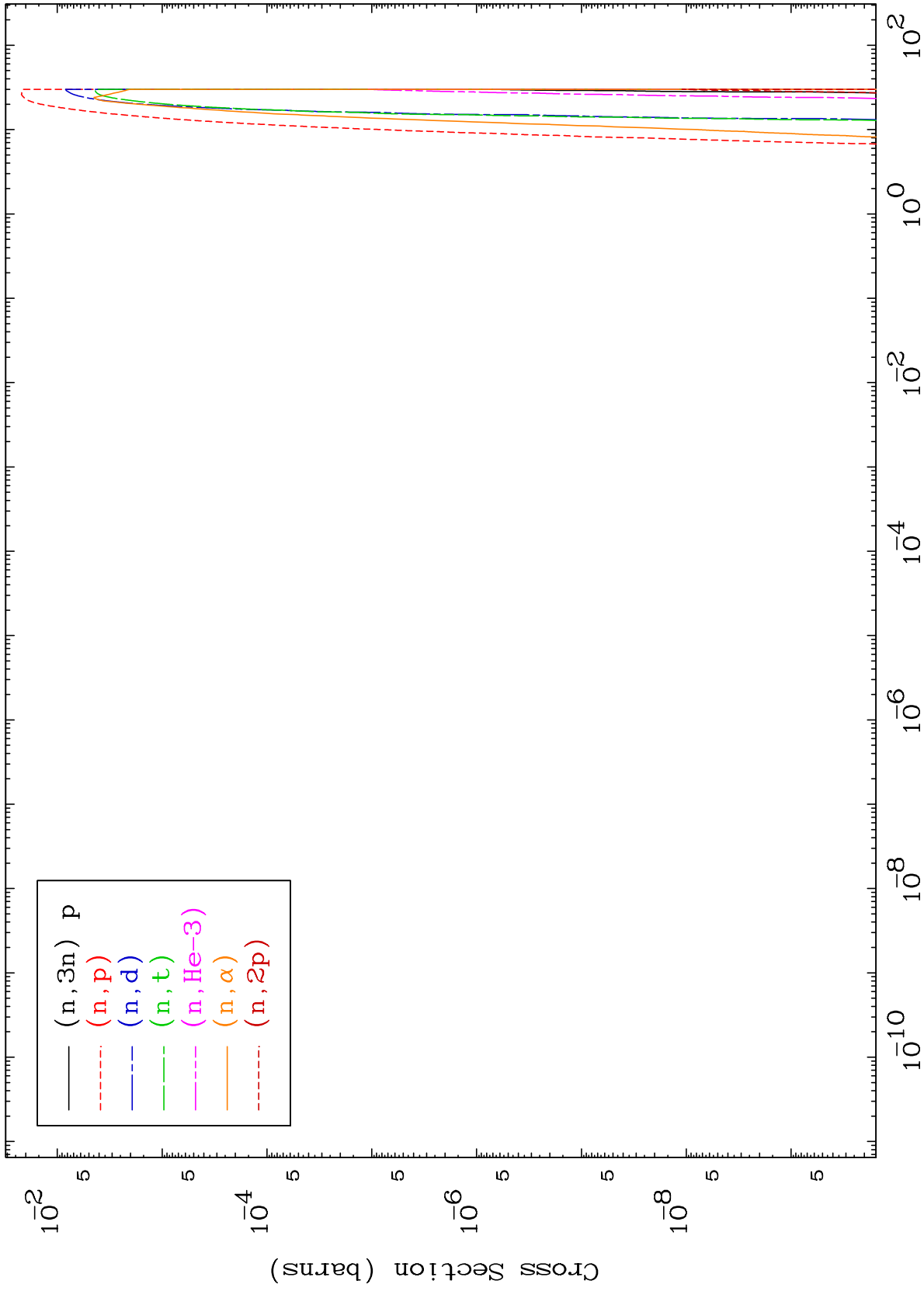
Incident Energy (MeV)

50-Sn-125

MAT 5064

Charged Particle
293 Kelvin Cross Sections

50-Sn-125



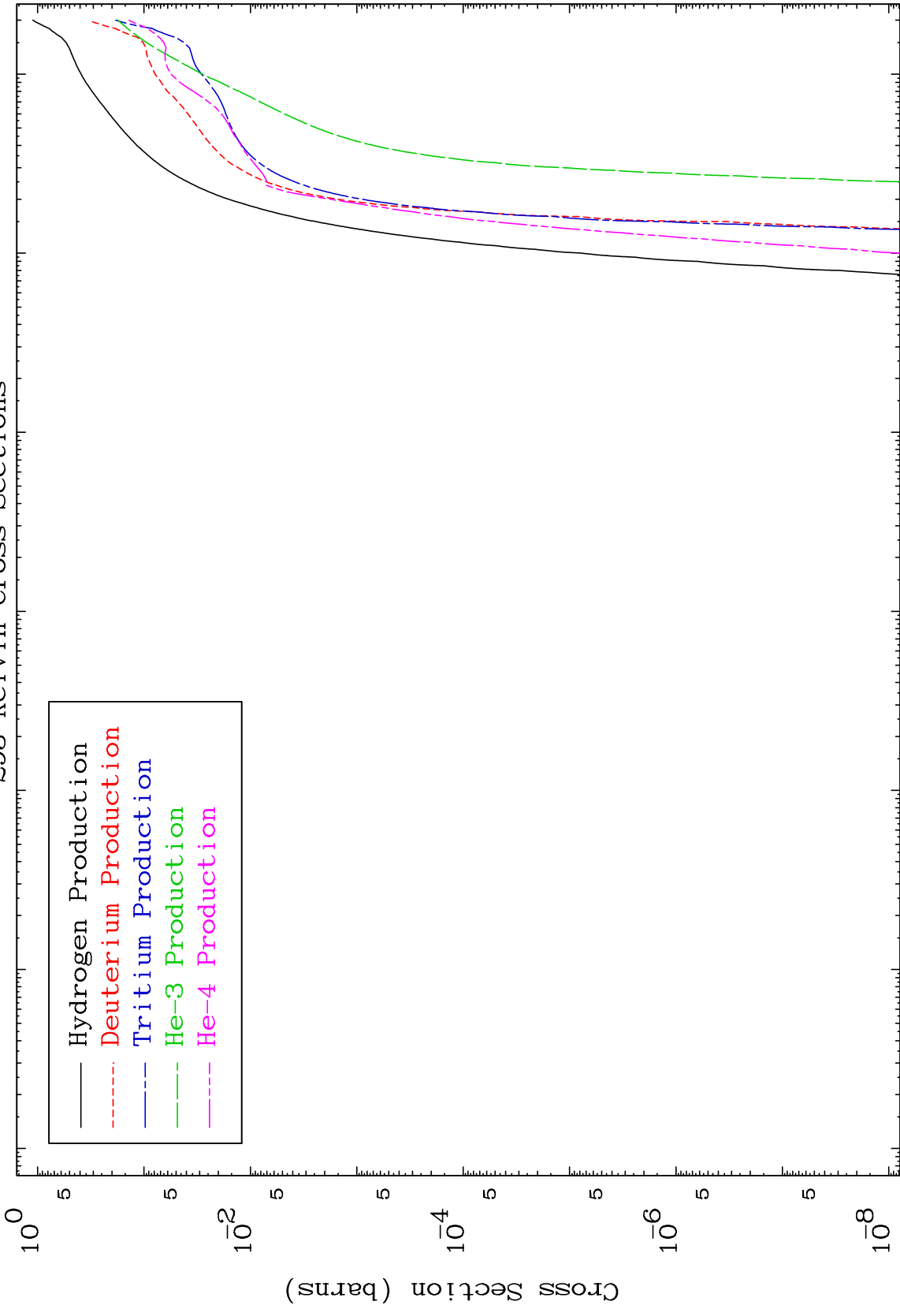
5

50-Sn-125

MAT 5064

Particle Production
293 Kelvin Cross Sections

50-Sn-125



50-Sn-125

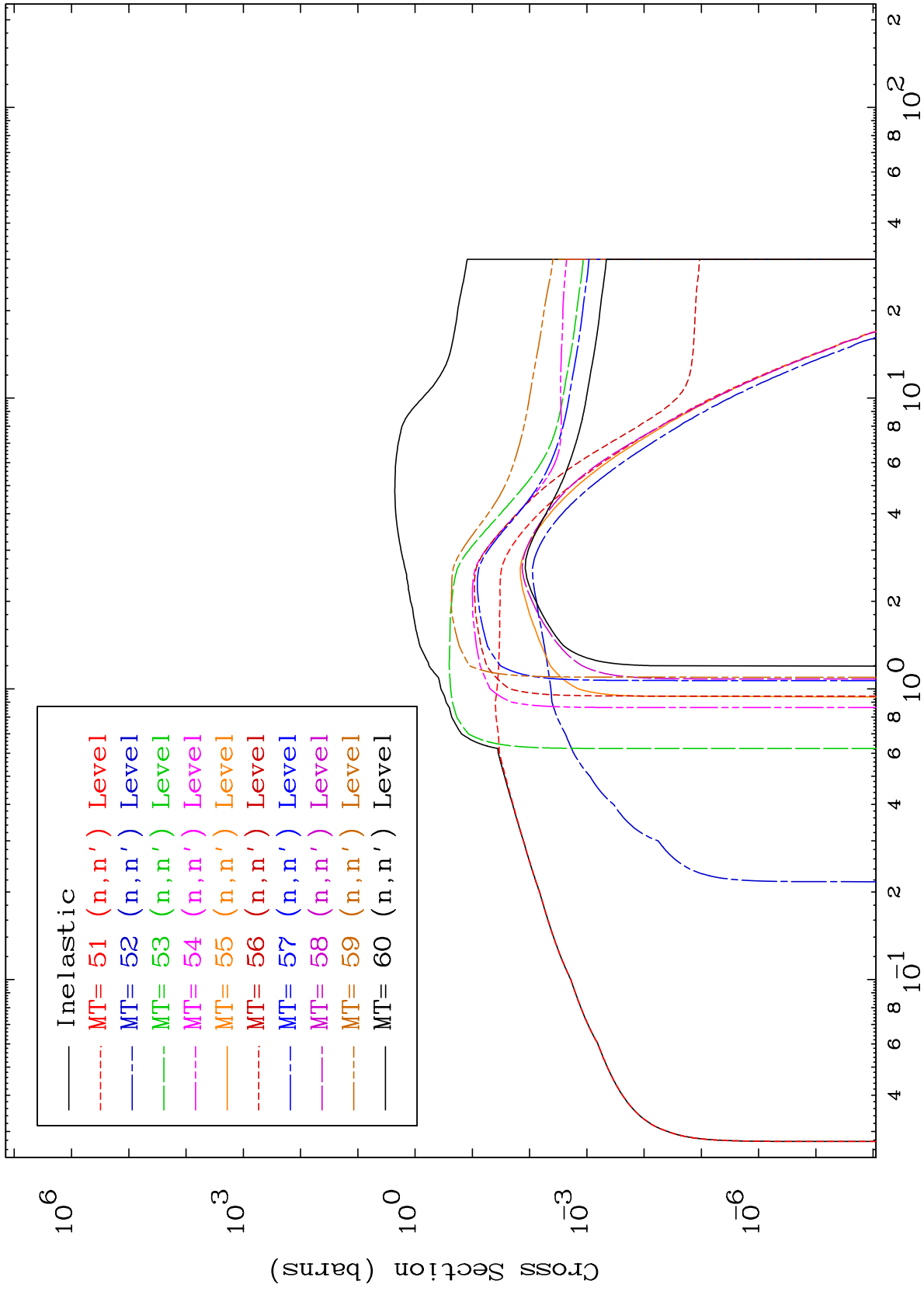
Incident Energy (MeV)

6

MAT 5064

(n,n') Level
293 Kelvin Cross Sections

50-Sn-125

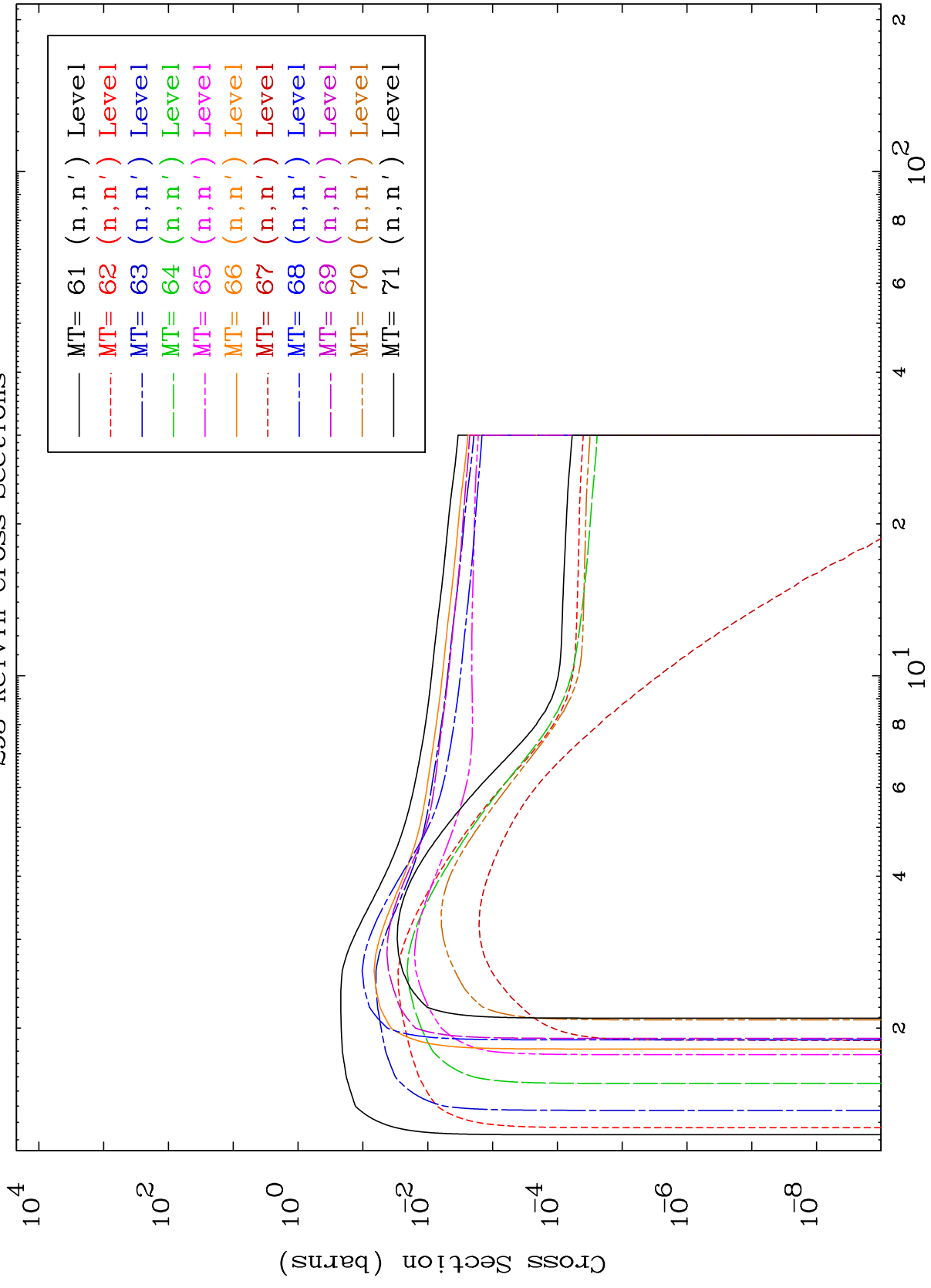


MAT 5064

(n,n') Level

50-Sn-125

293 Kelvin Cross Sections



8

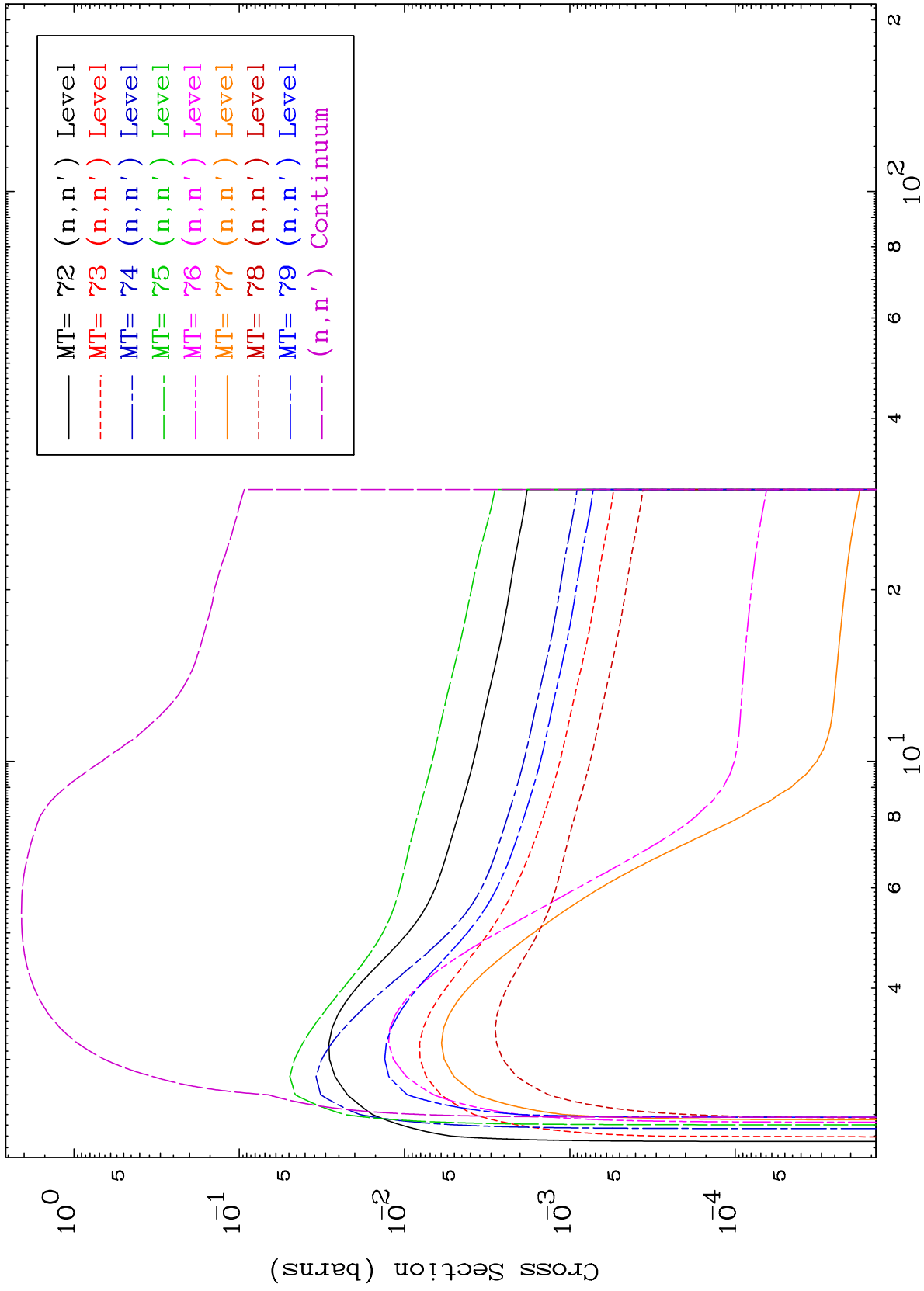
Incident Energy (MeV)

50-Sn-125

MAT 5064

(n,n') Level
293 Kelvin Cross Sections

50-Sn-125



9

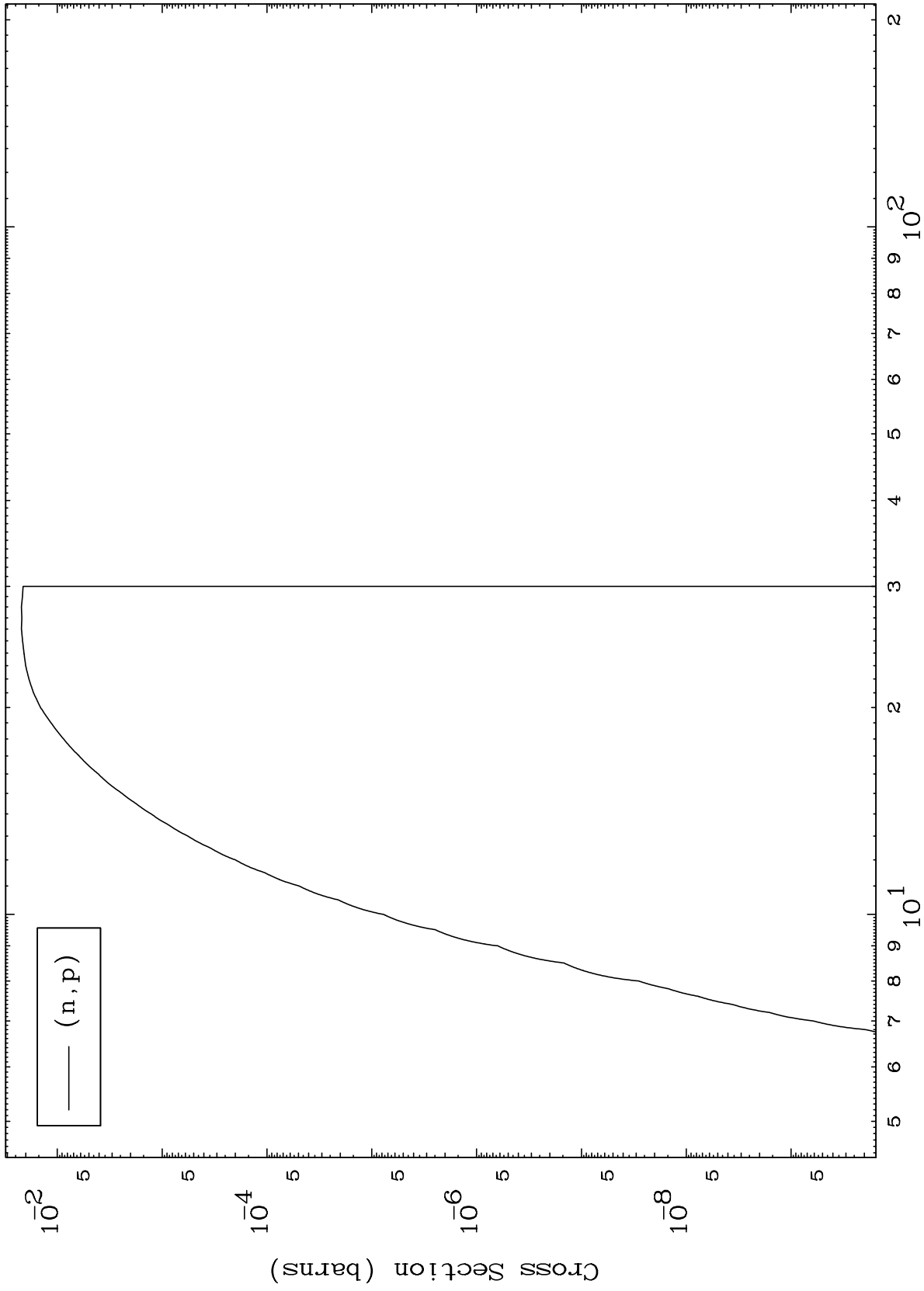
Incident Energy (MeV)

50-Sn-125

MAT 5064

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-125



10

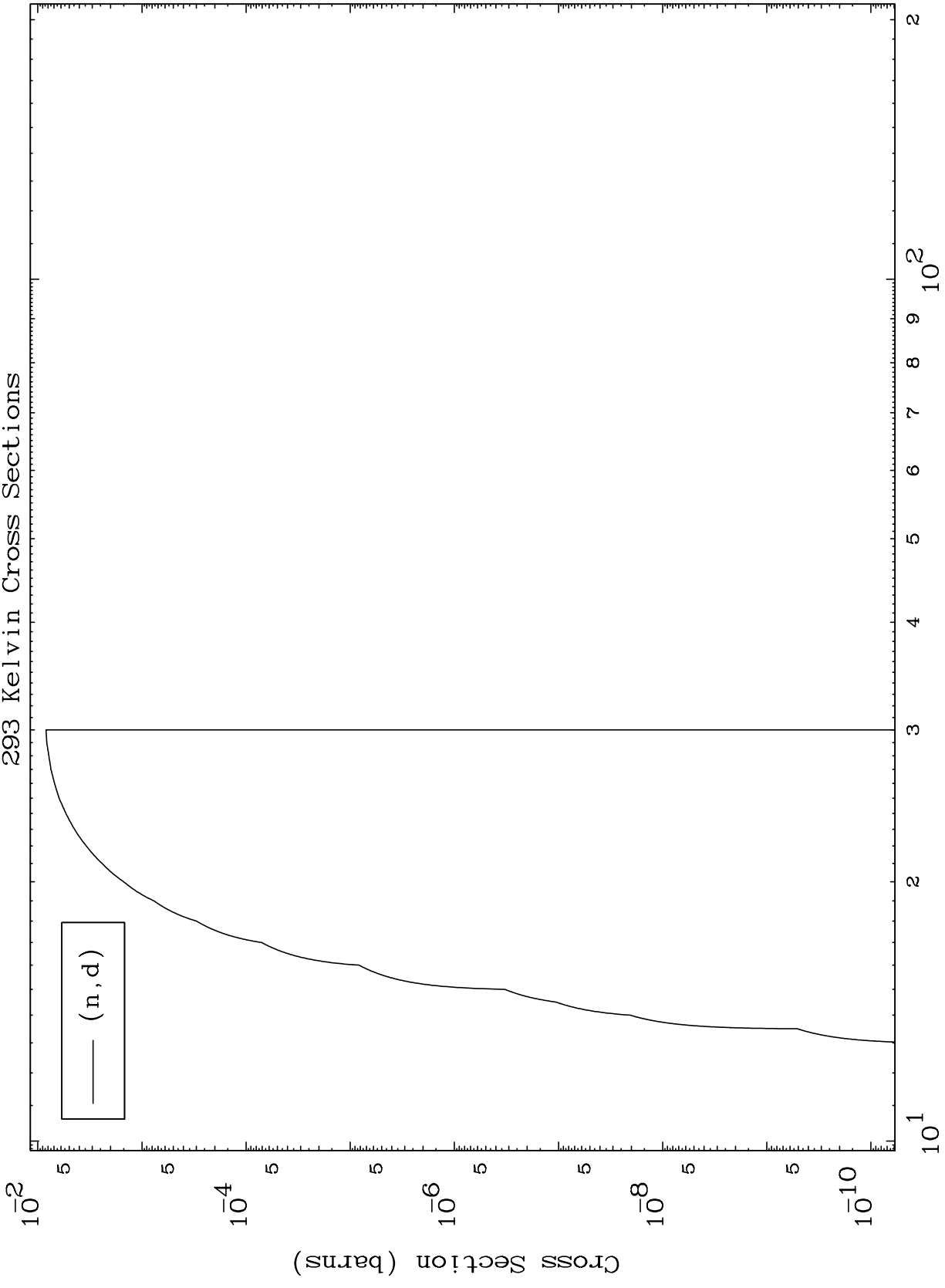
Incident Energy (MeV)

50-Sn-125

MAT 5064

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-125



11

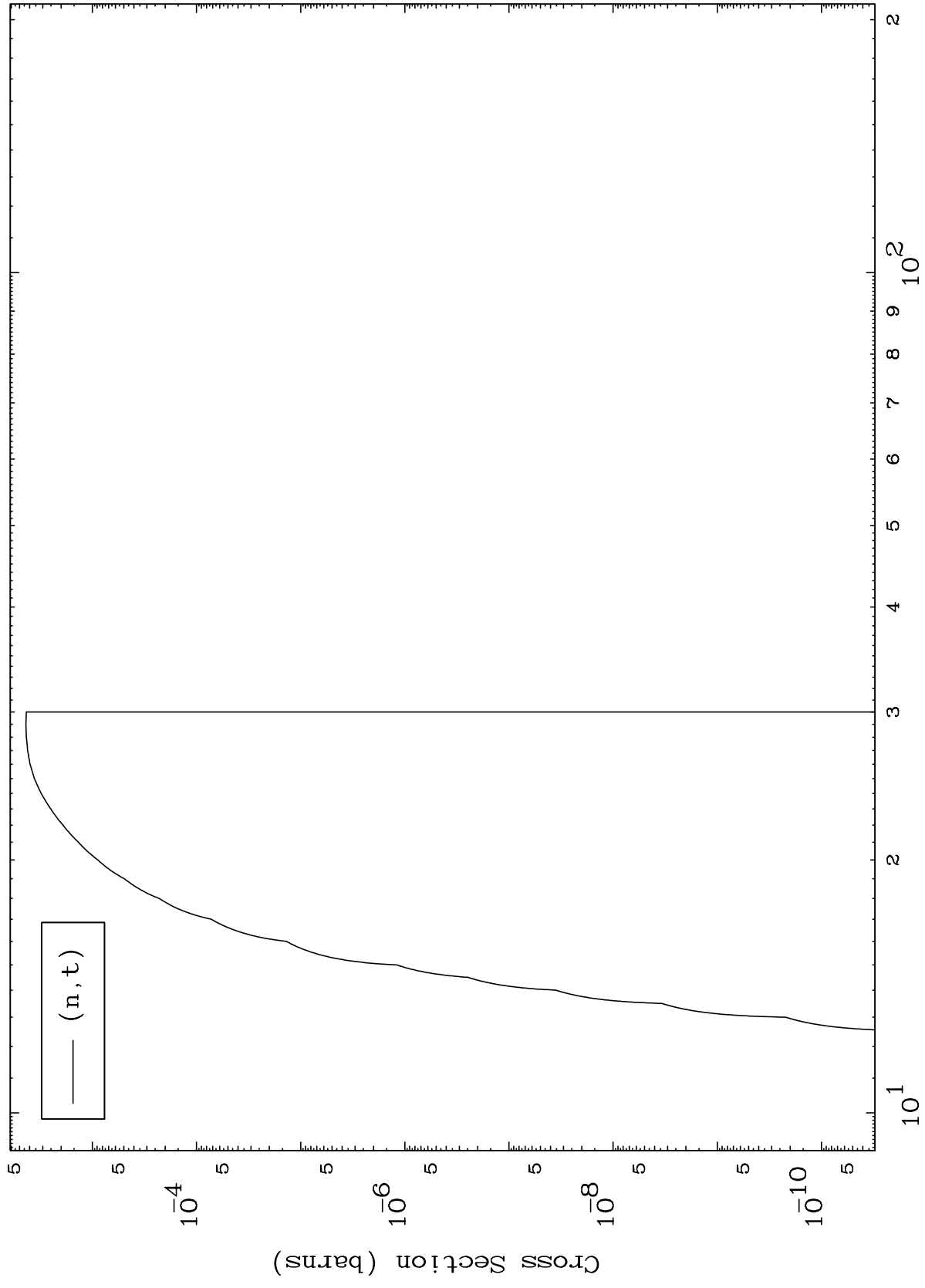
Incident Energy (MeV)

50-Sn-125

MAT 5064

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-125



12

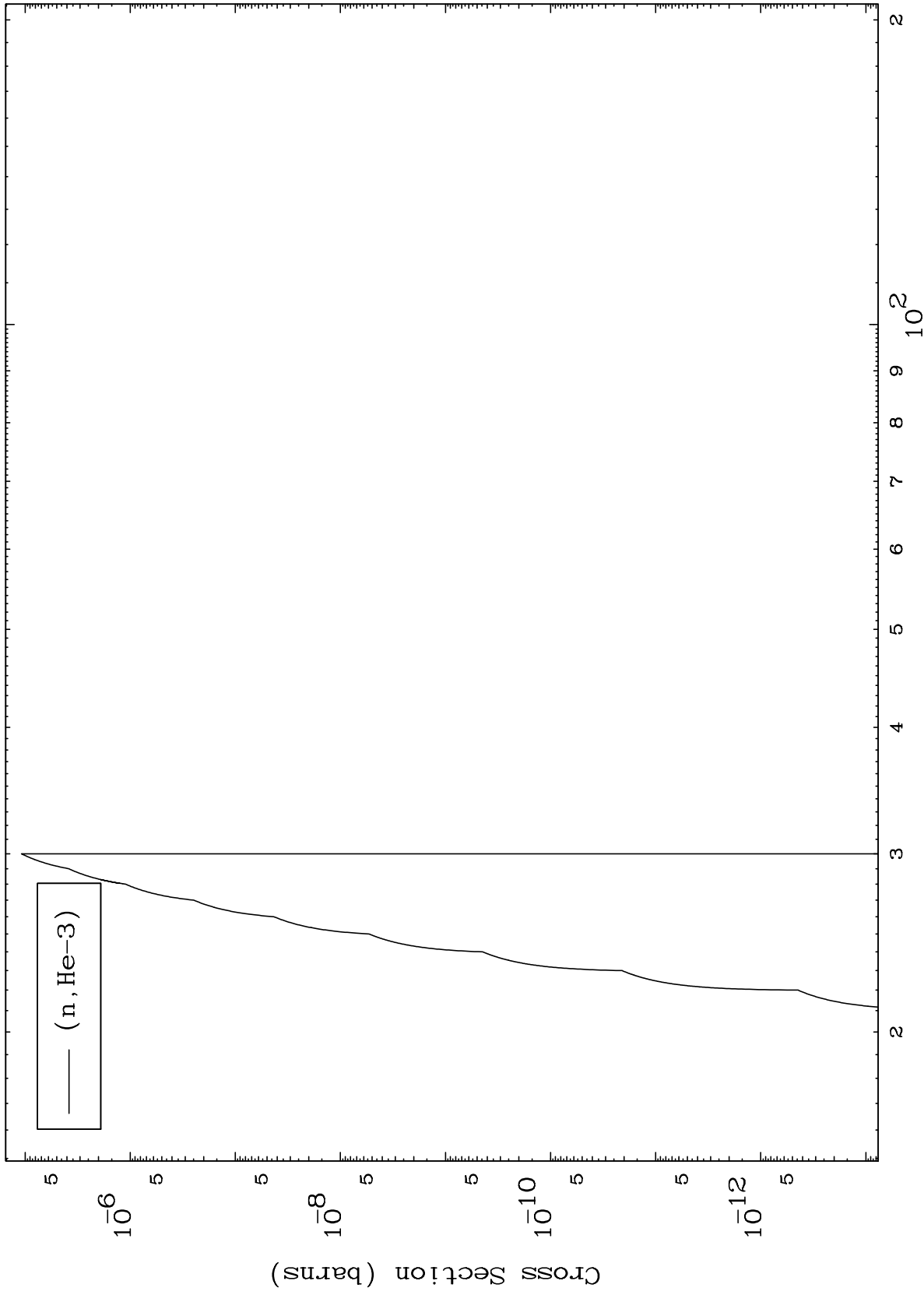
Incident Energy (MeV)

50-Sn-125

MAT 5064

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-125



13

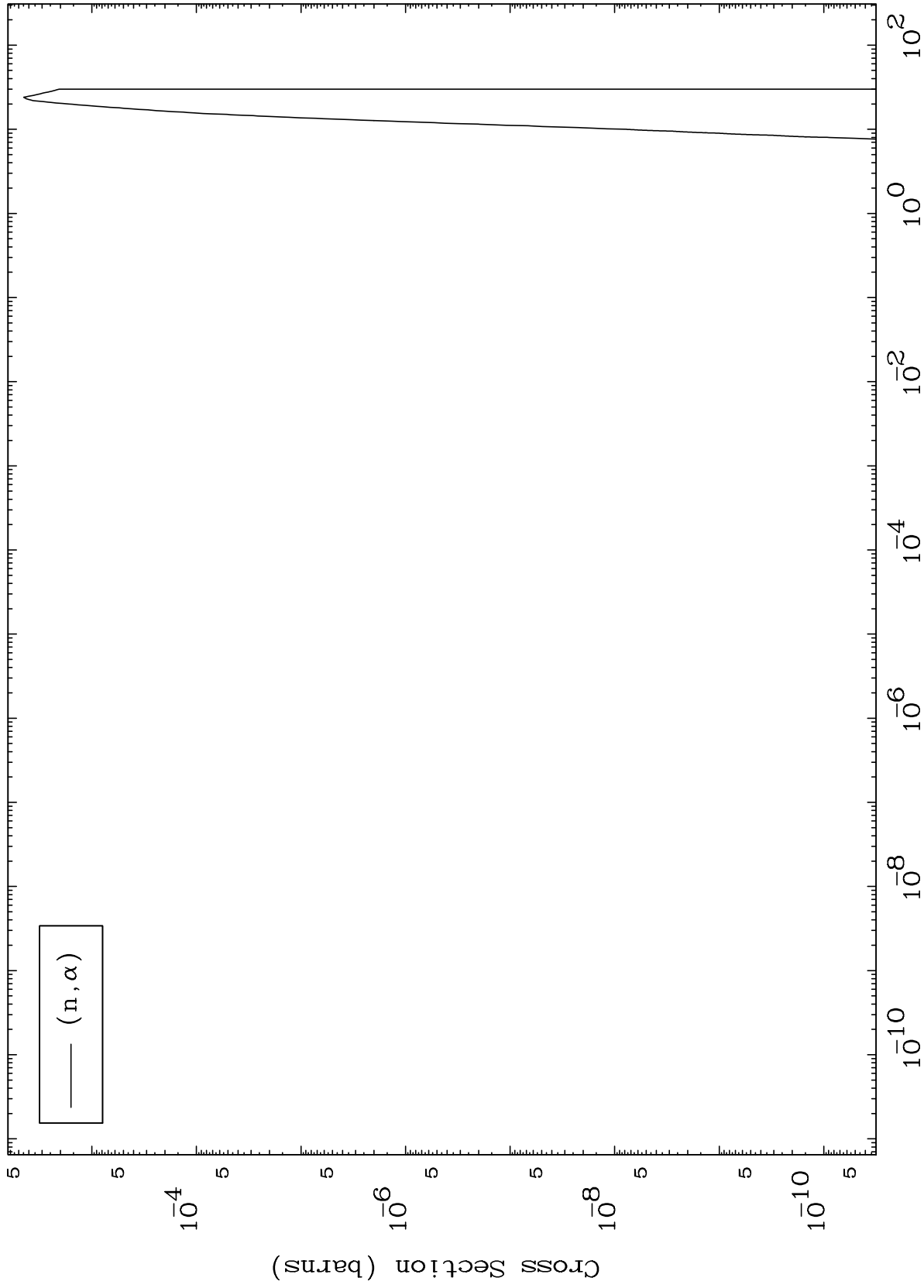
Incident Energy (MeV)

50-Sn-125

MAT 5064

(n,α) Levels
293 Kelvin Cross Sections

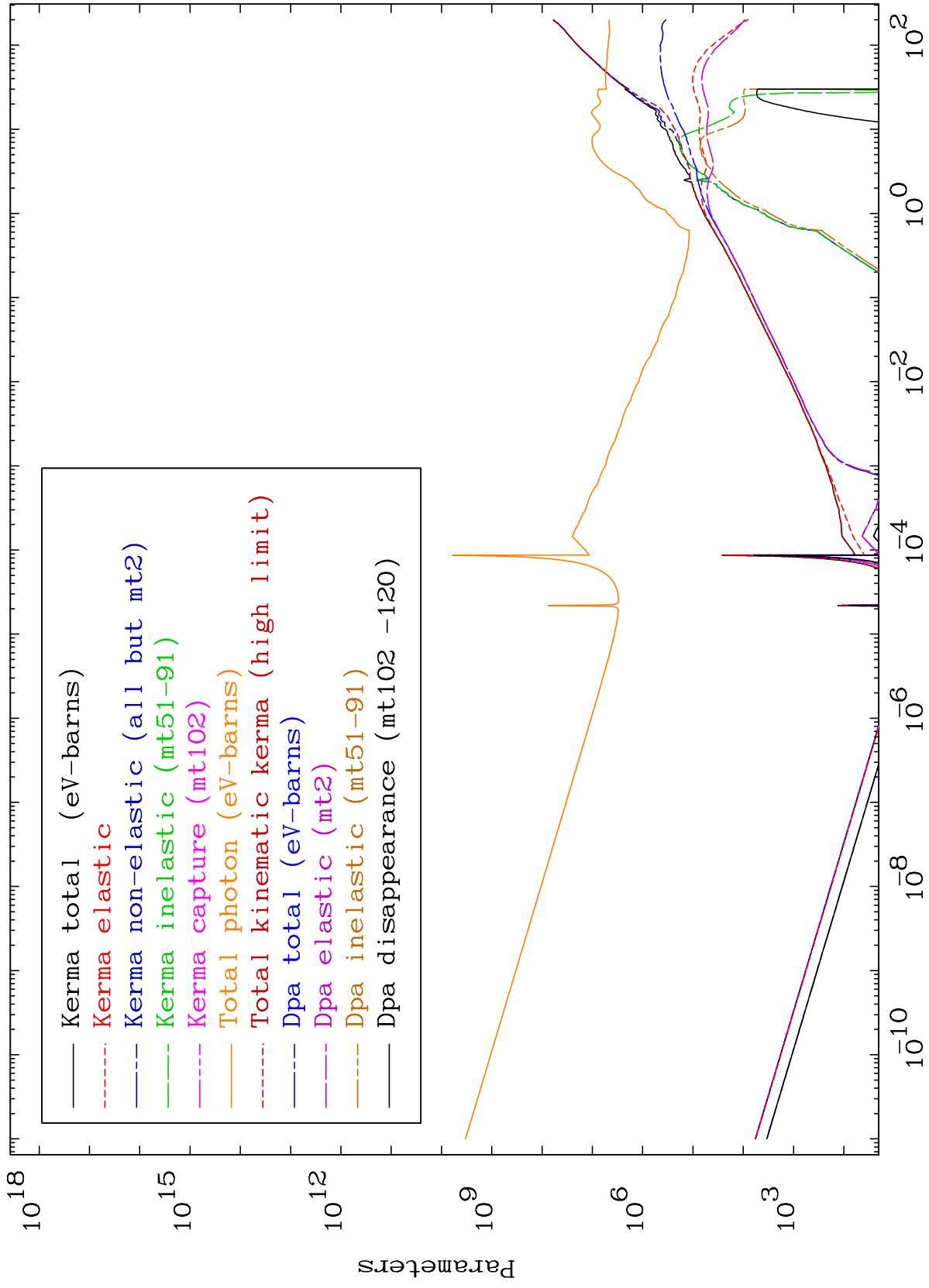
50-Sn-125



MAT 5064

Energy Release
Parameters

50-Sn-125



15

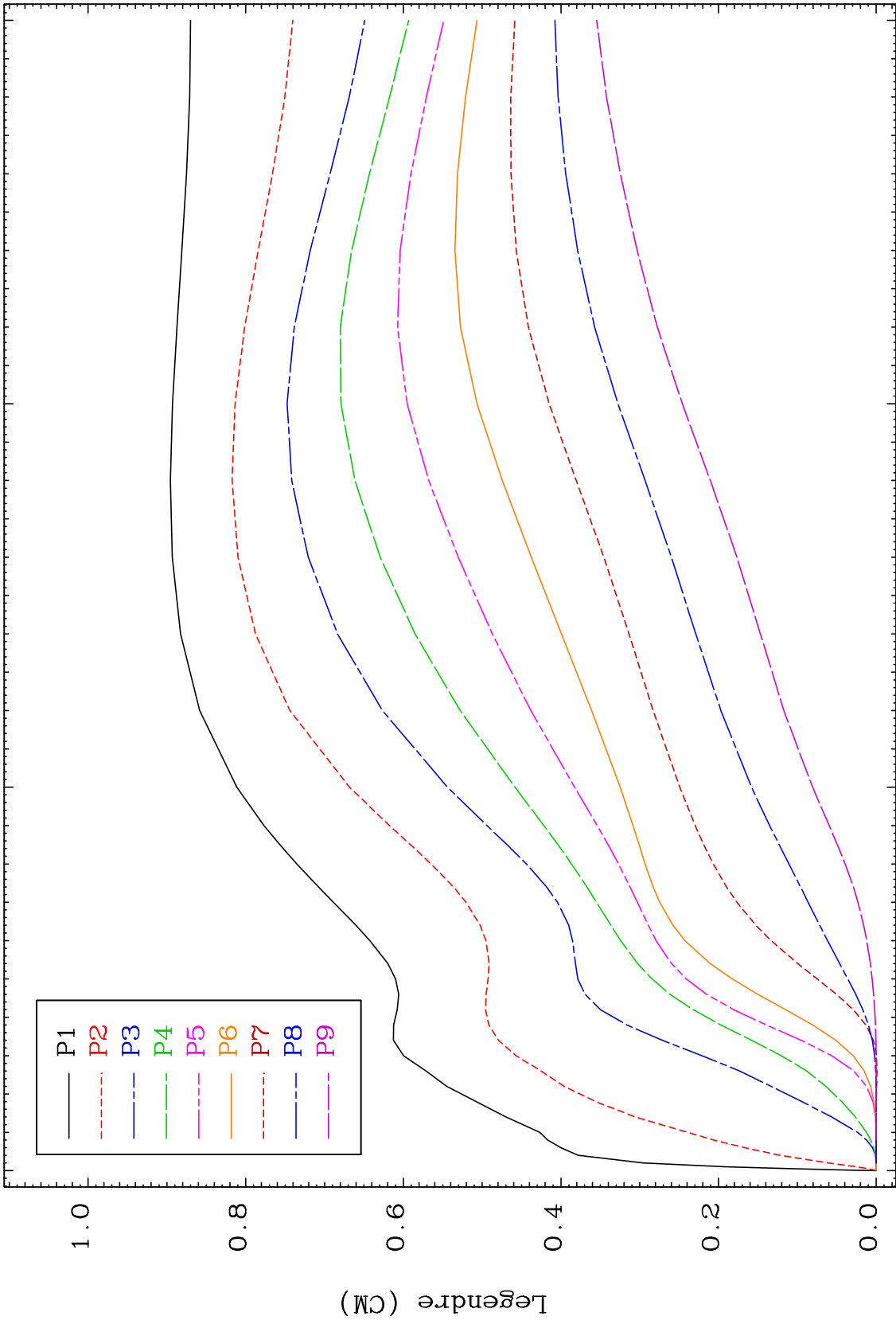
Incident Energy (MeV)

50-Sn-125

MAT 5064

Elastic Legendre Coefficients

50-Sn-125



16

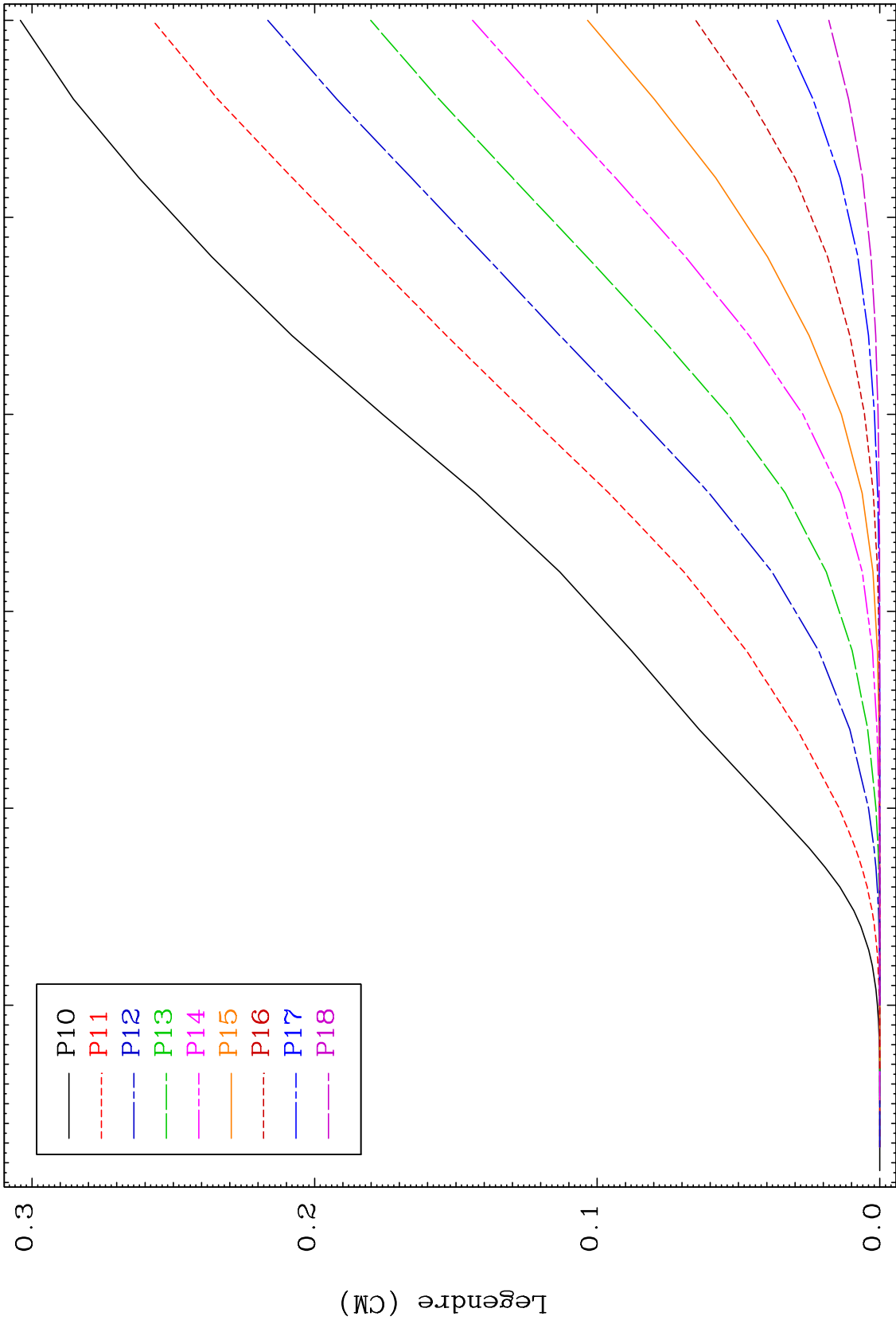
Incident Energy (MeV)

50-Sn-125

MAT 5064

Elastic Legendre Coefficients

50-Sn-125



17

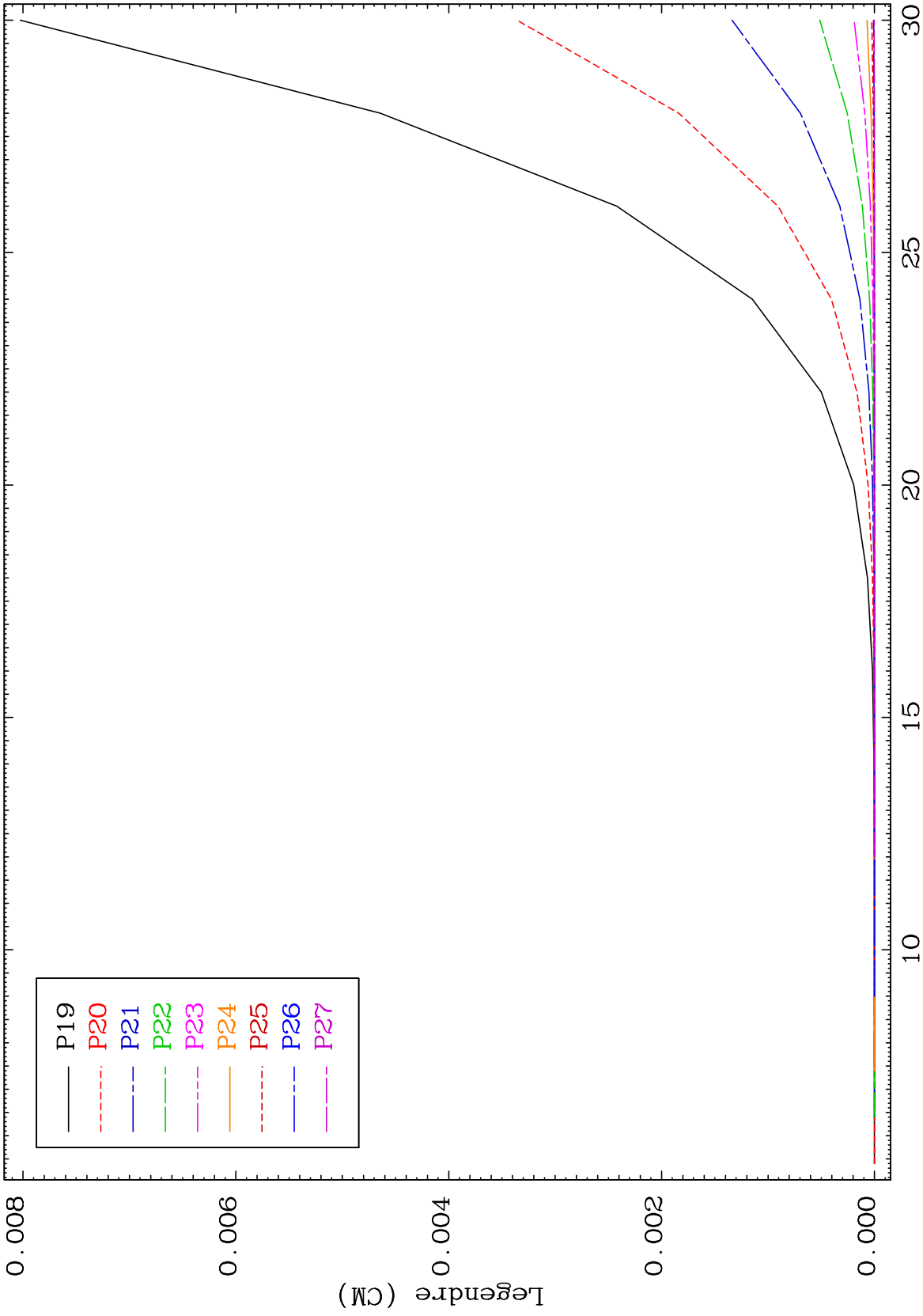
Incident Energy (MeV)

50-Sn-125

MAT 5064

Elastic
Legendre Coefficients

50-Sn-125



18

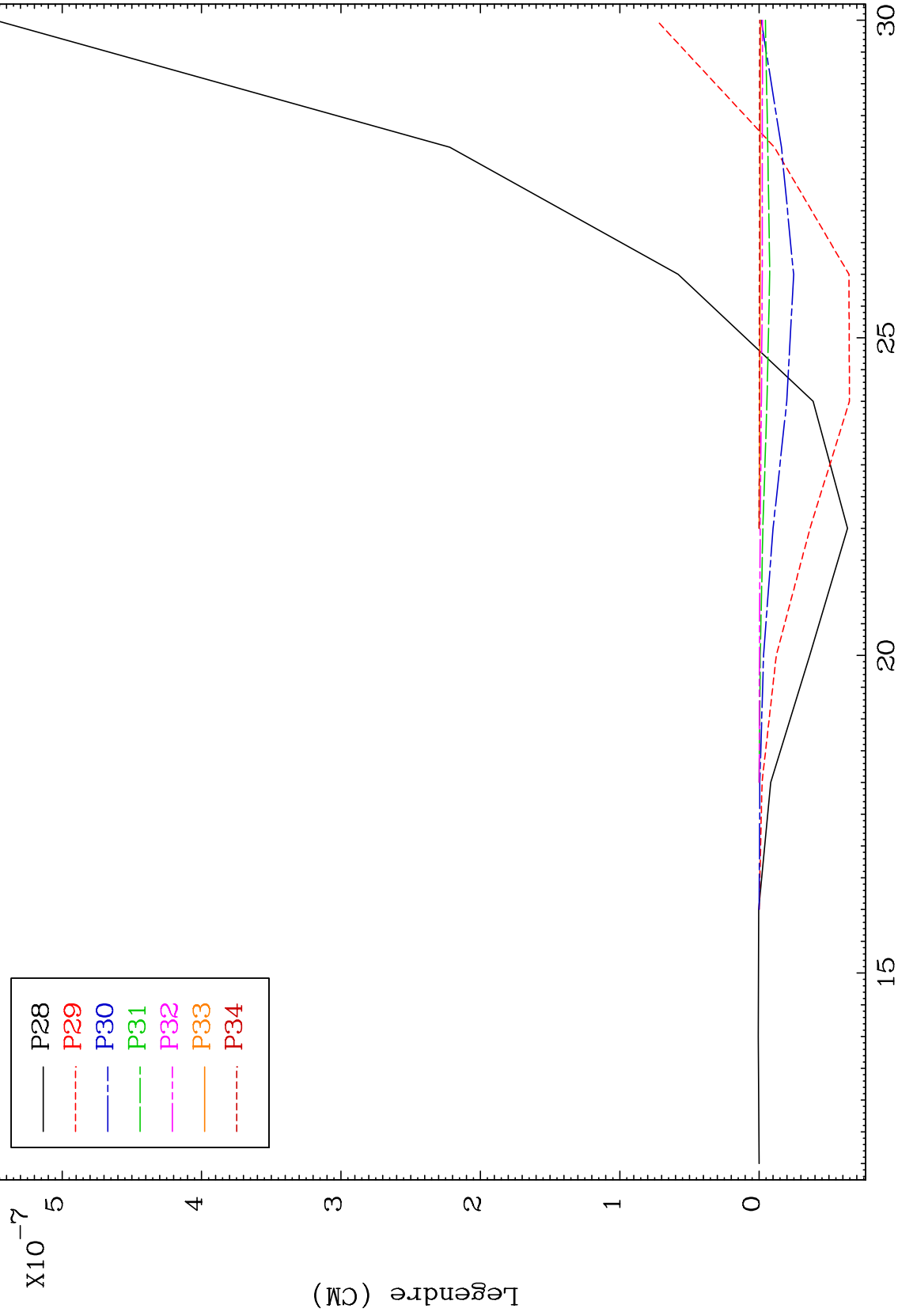
Incident Energy (MeV)

50-Sn-125

MAT 5064

Elastic Legendre Coefficients

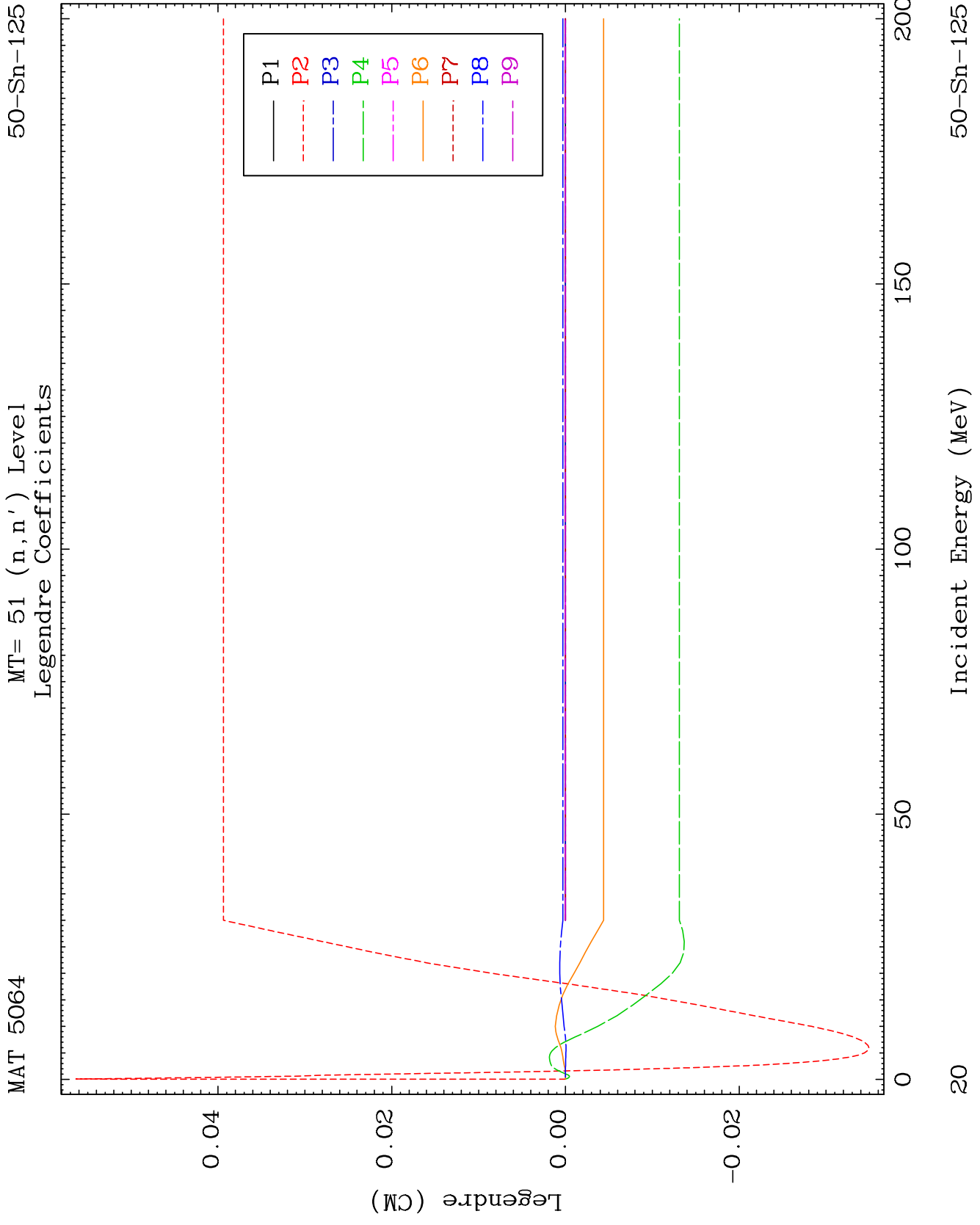
50-Sn-125



19

Incident Energy (MeV)

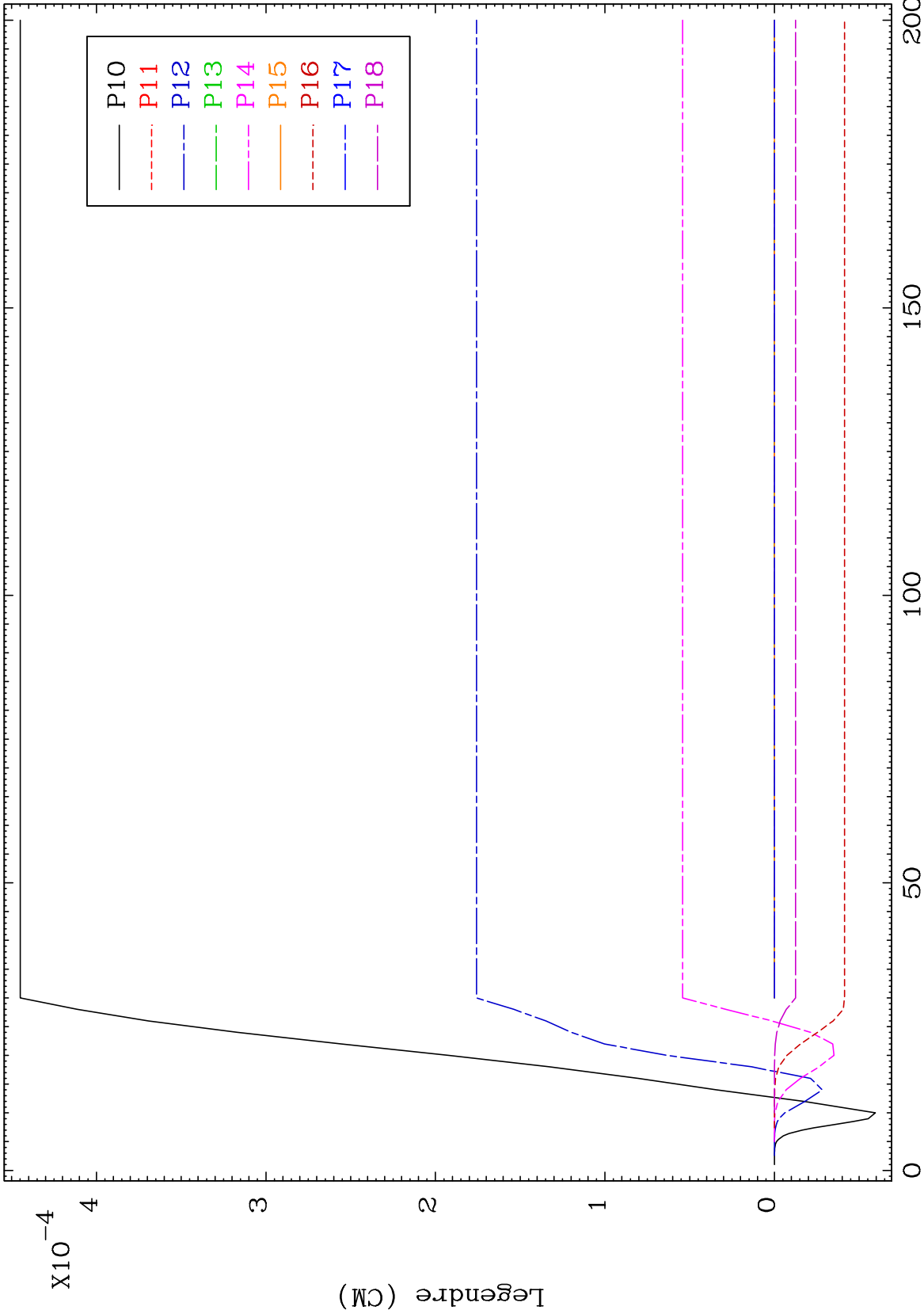
50-Sn-125



MAT 5064

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

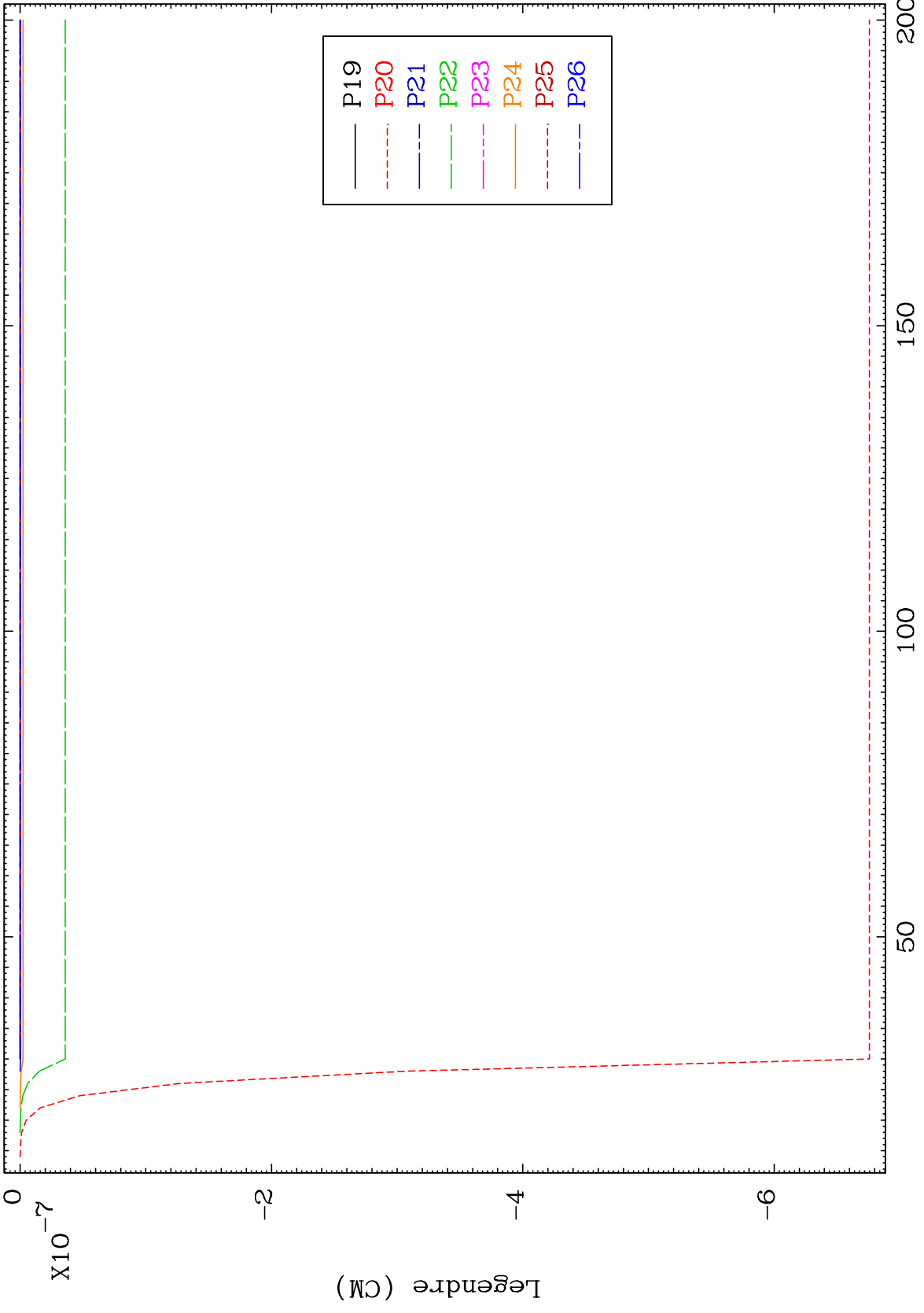
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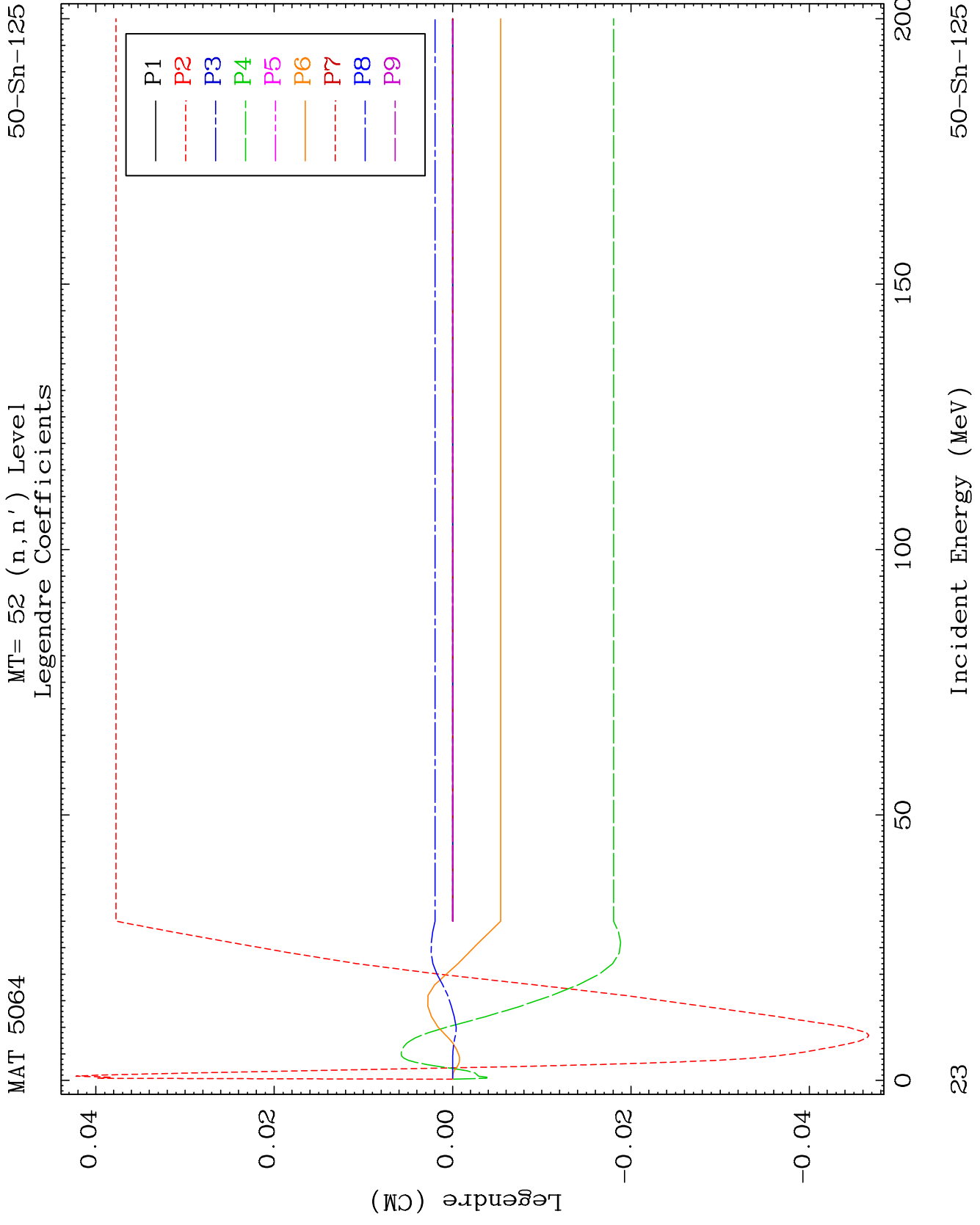
21

50-Sn-125

MAT 5064 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-125



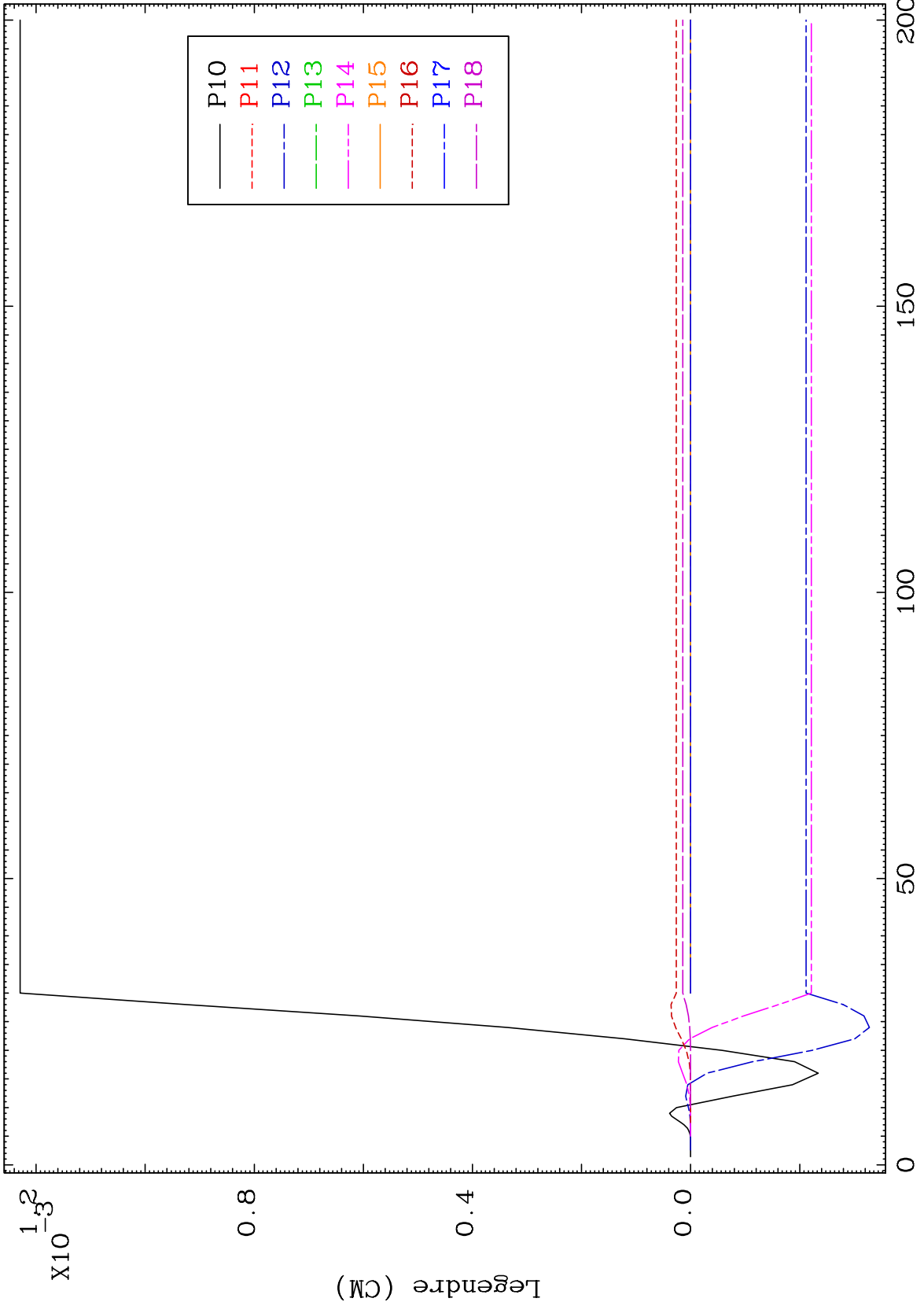
22 50-Sn-125



MAT 5064

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

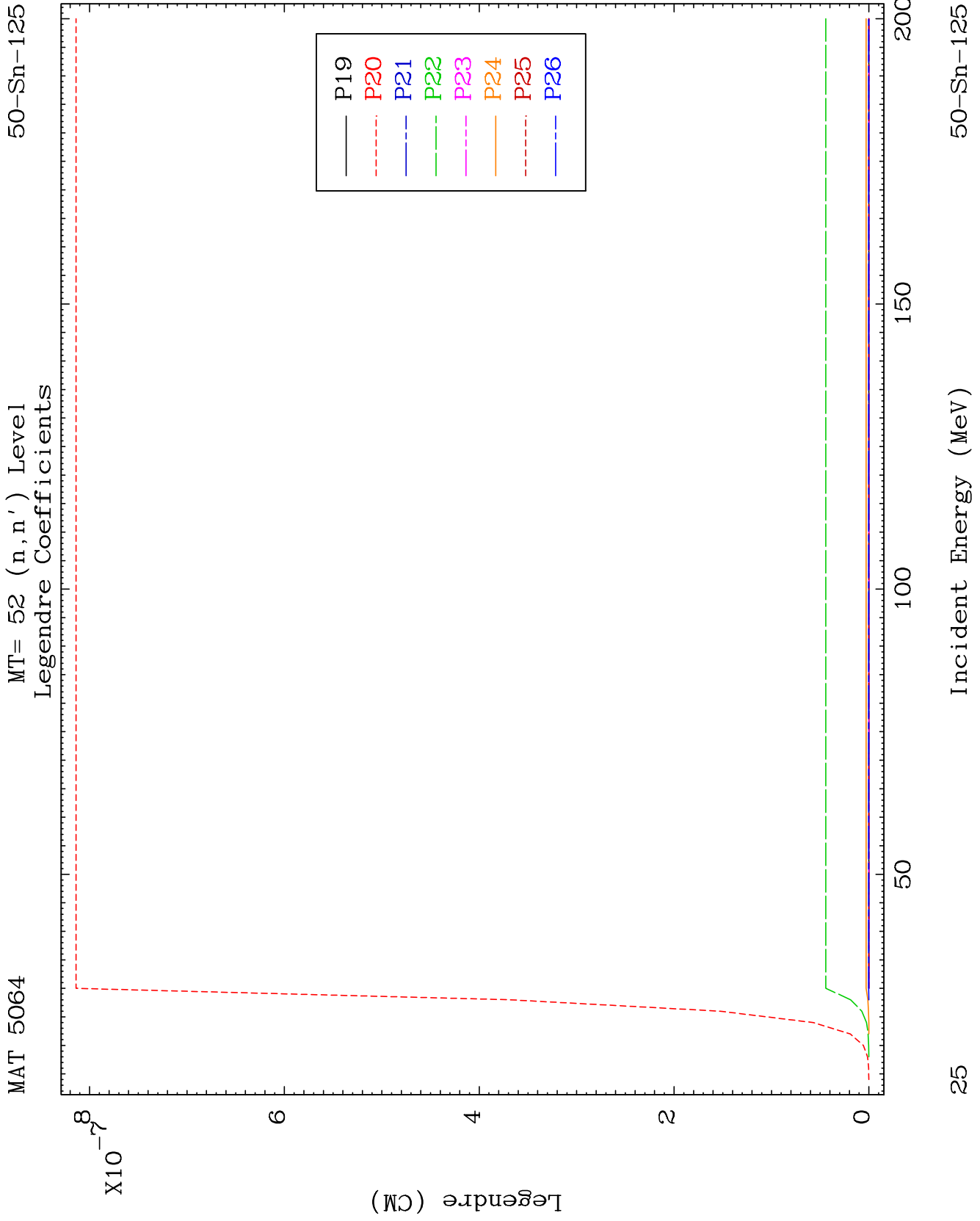
50-Sn-125



24

Incident Energy (MeV)

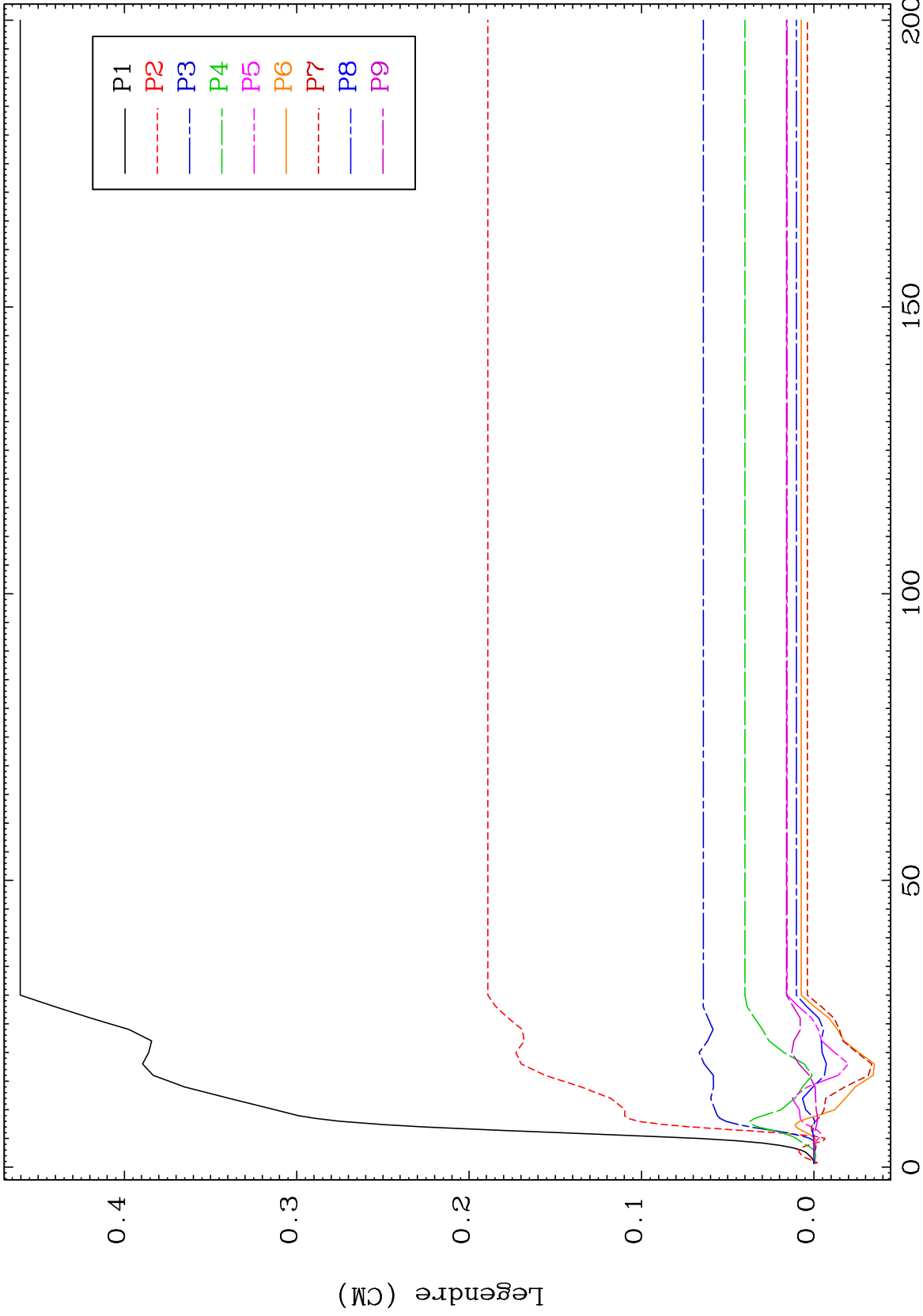
50-Sn-125



MAT 5064

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

50-Sn-125



26

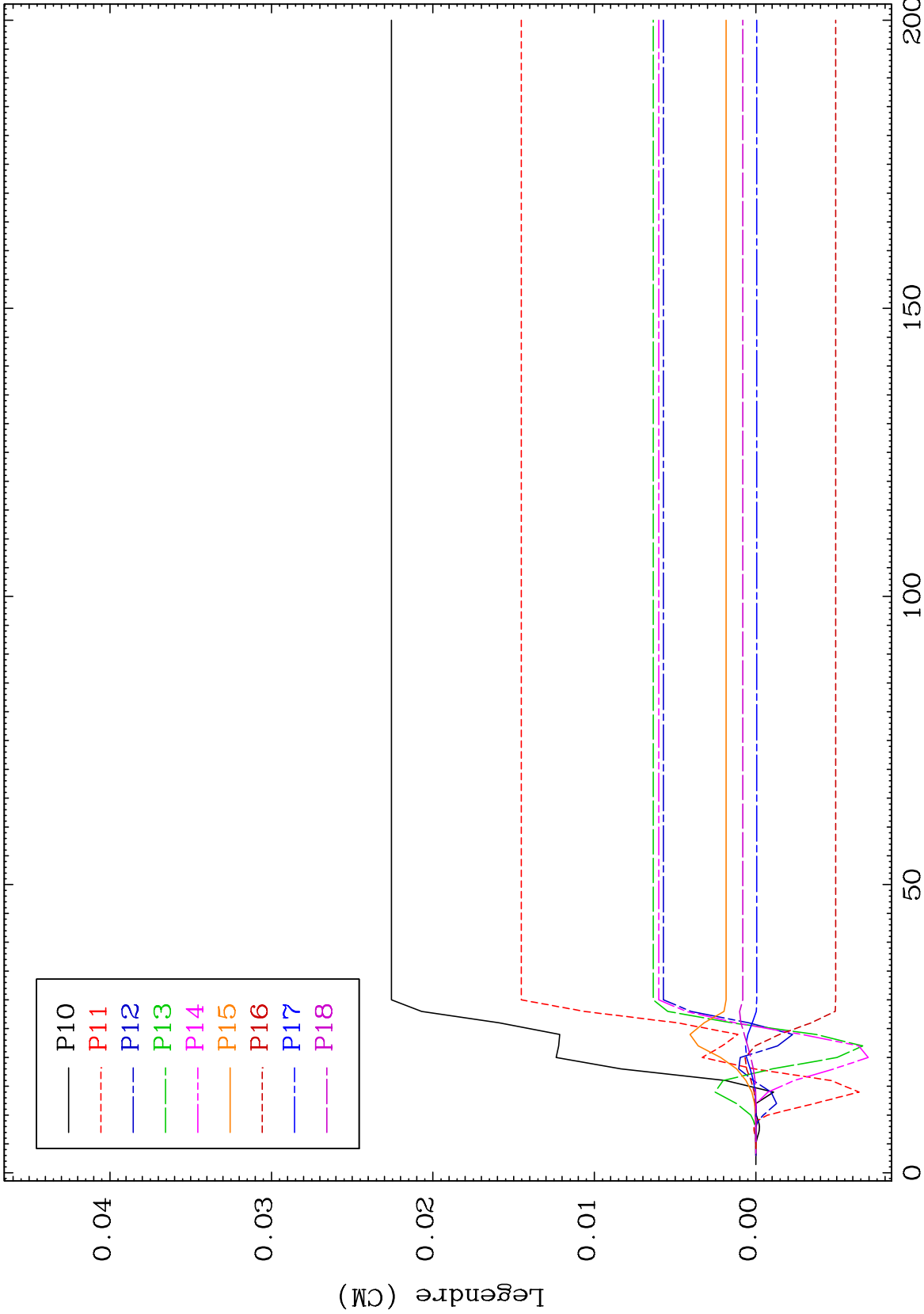
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



27

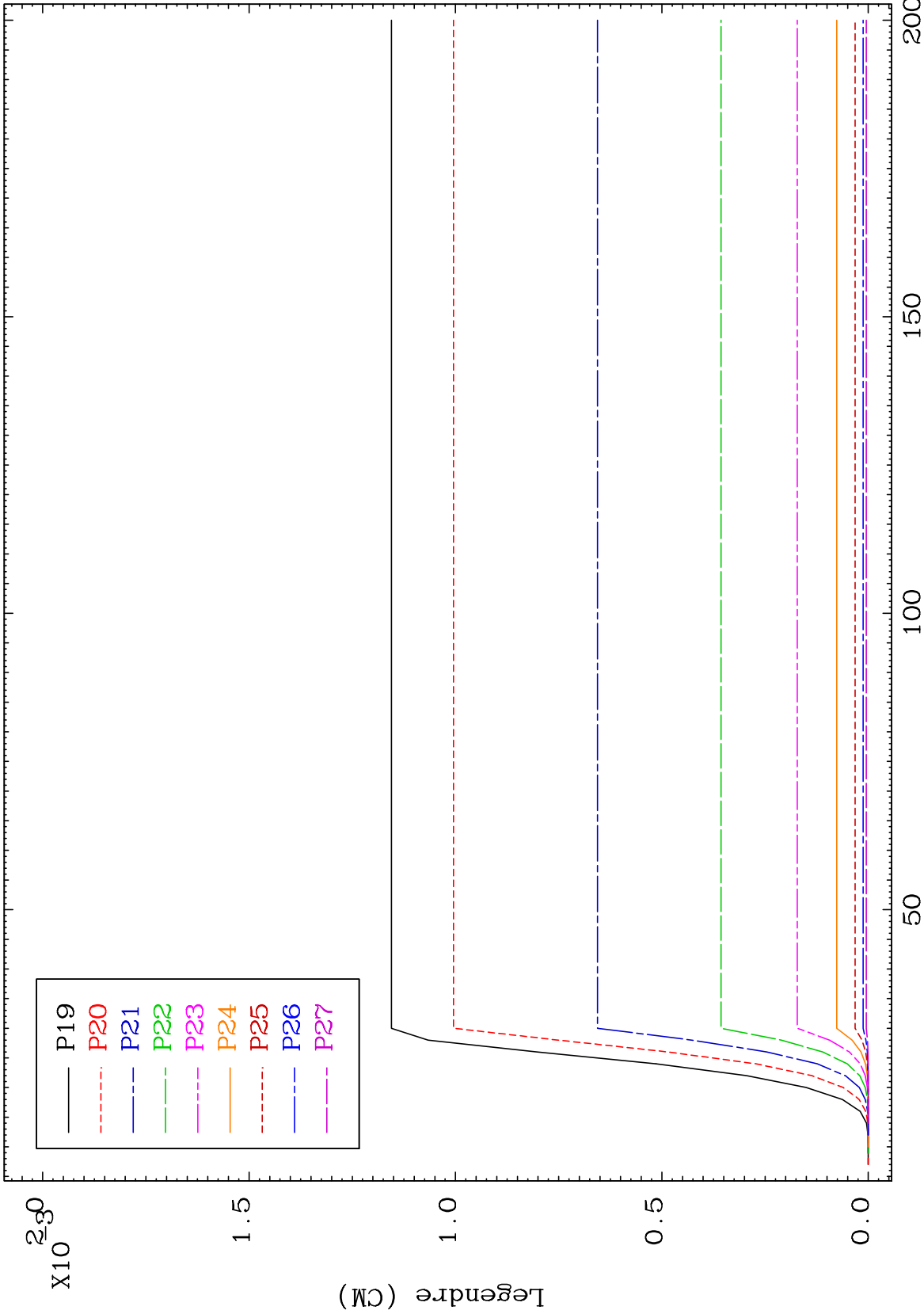
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



28

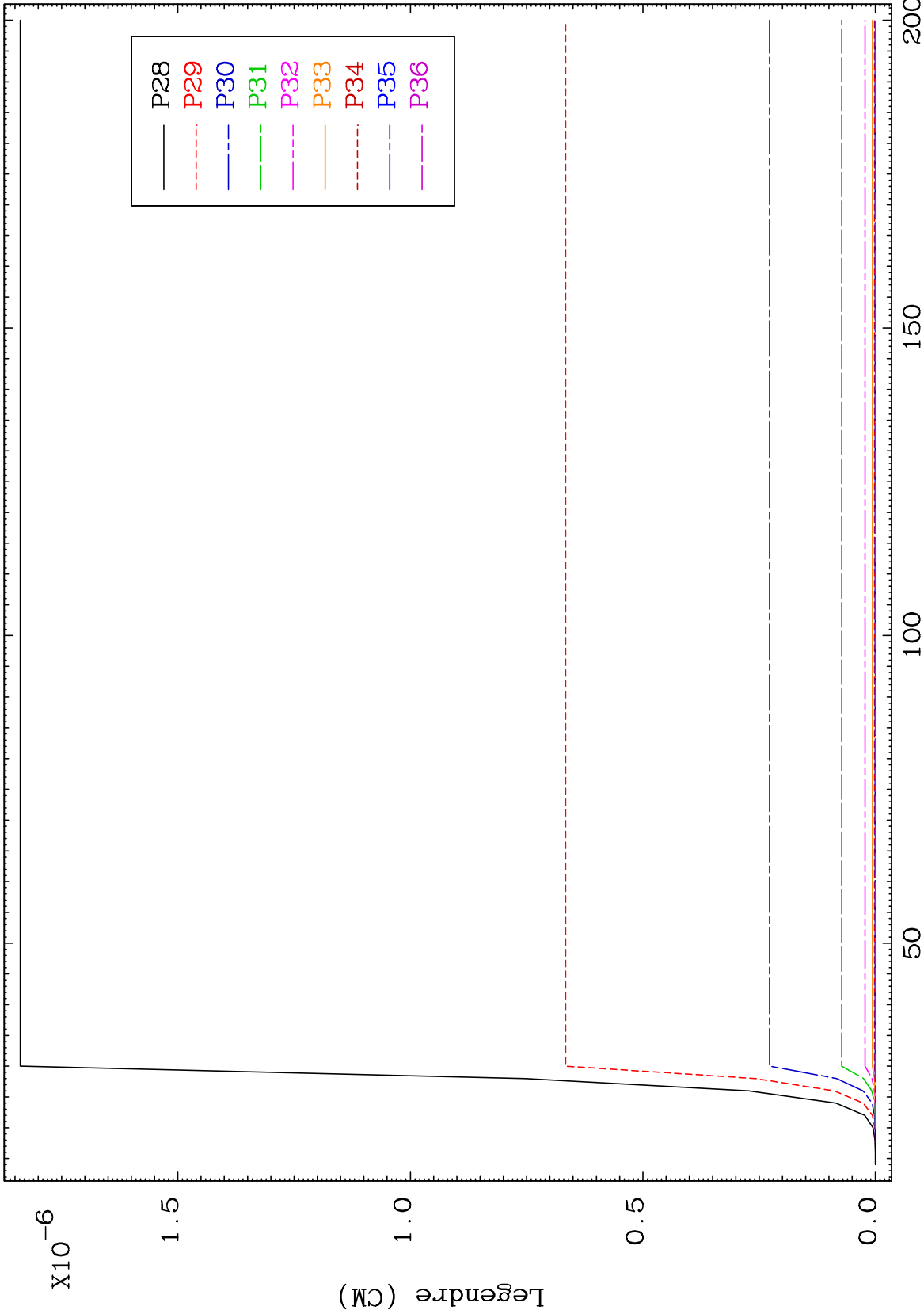
Incident Energy (MeV)

50-Sn-125

MAT 5064

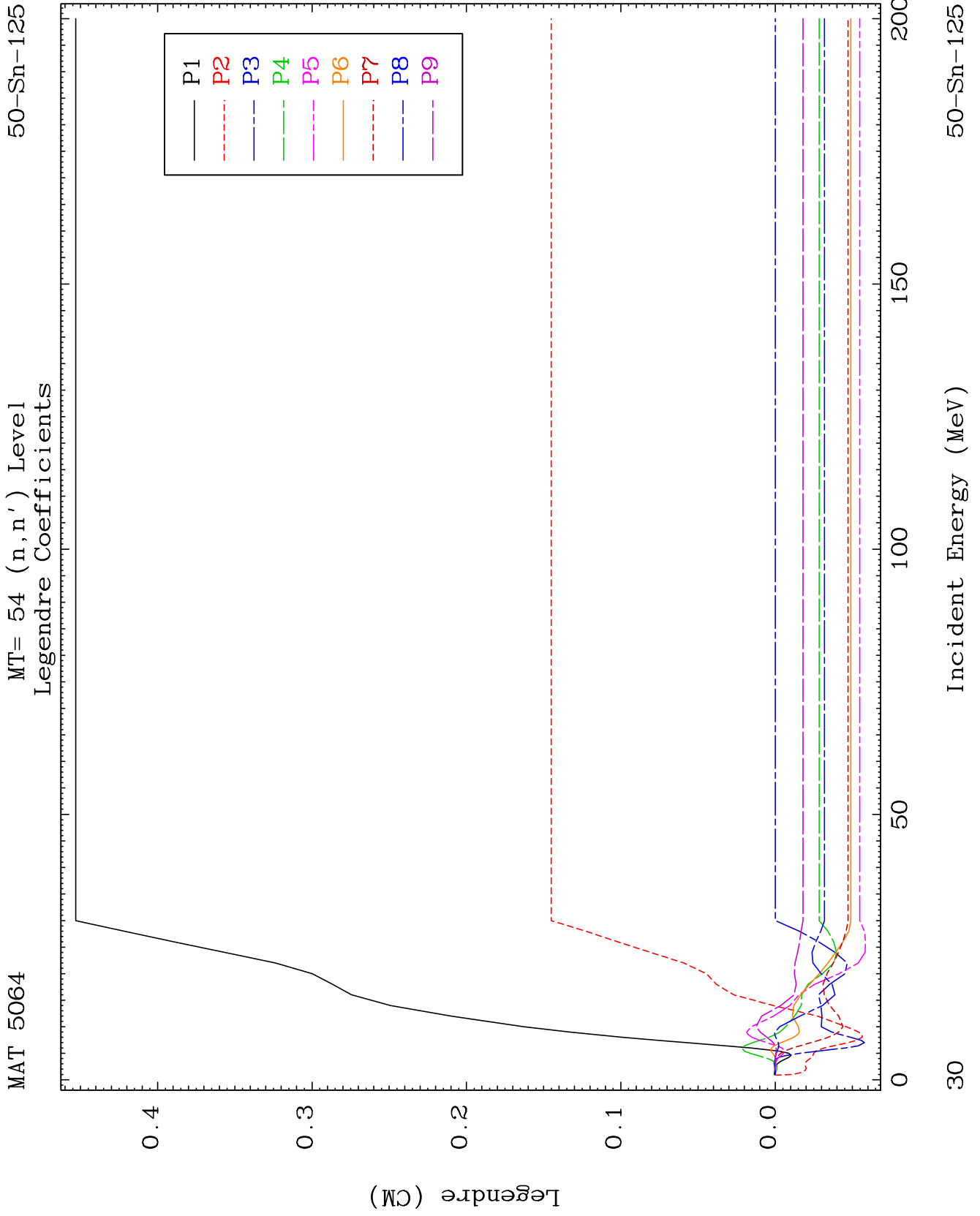
MT= 53 (n,n') Level
Legendre Coefficients

50-Sn-125

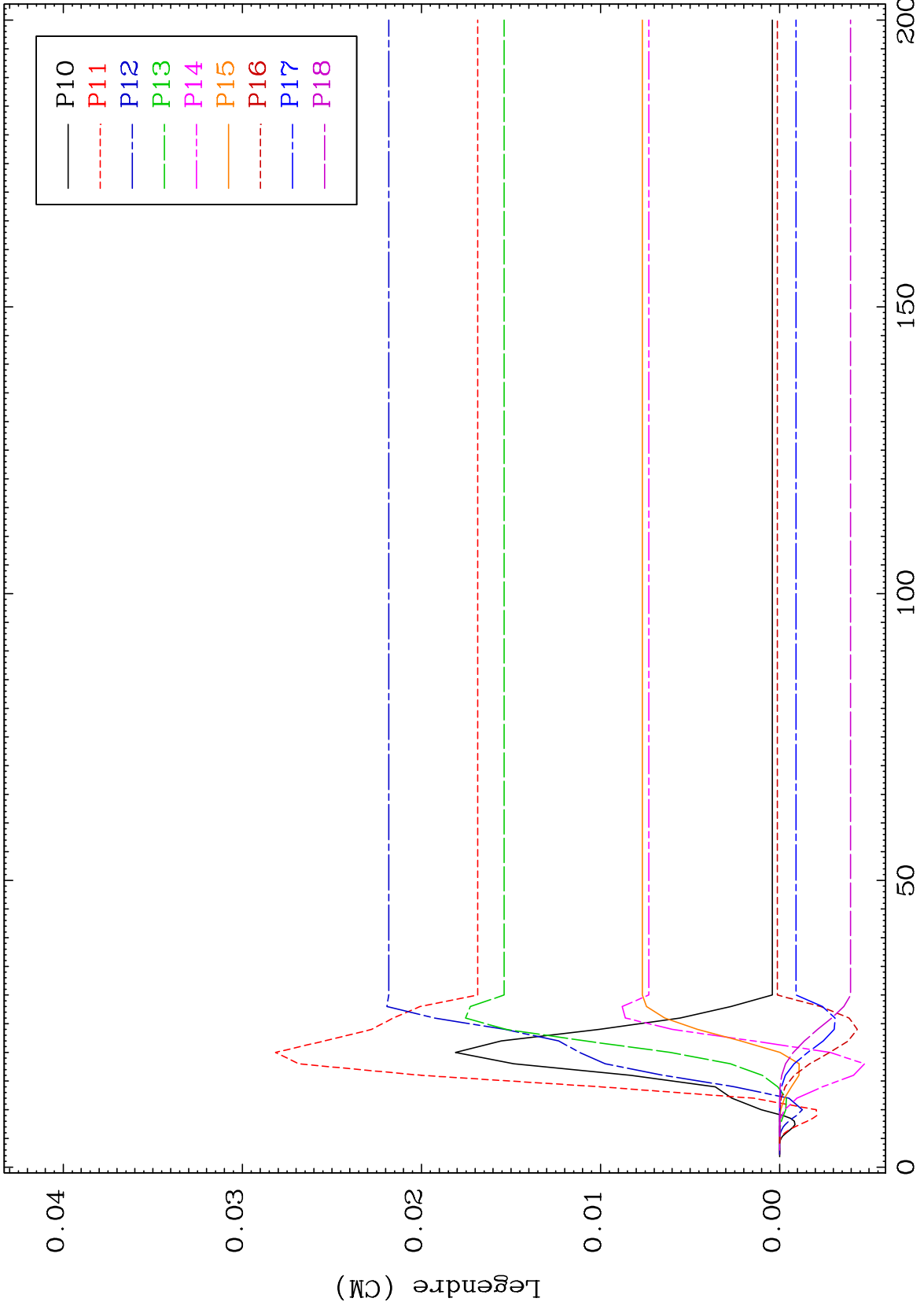


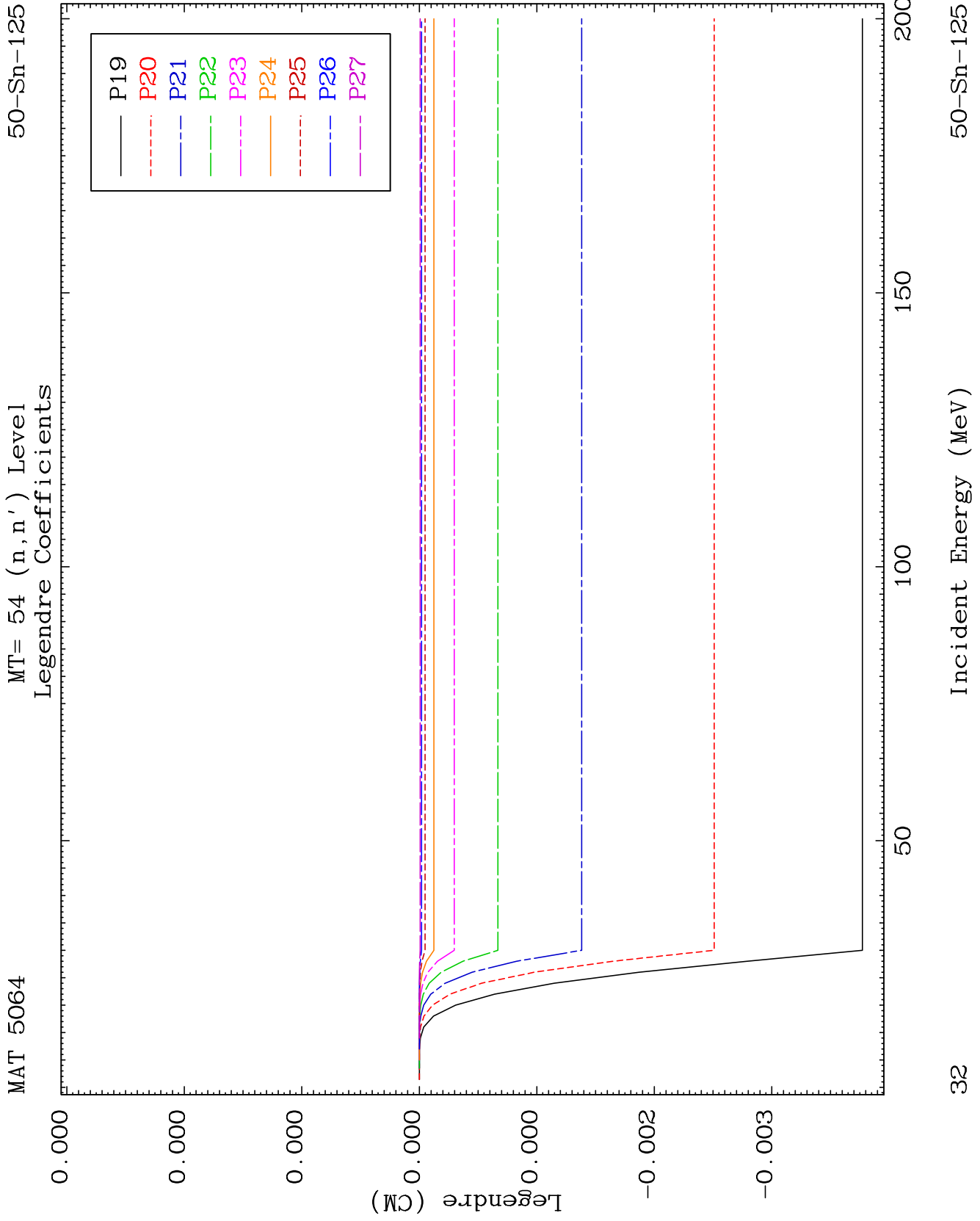
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50-Sn-125

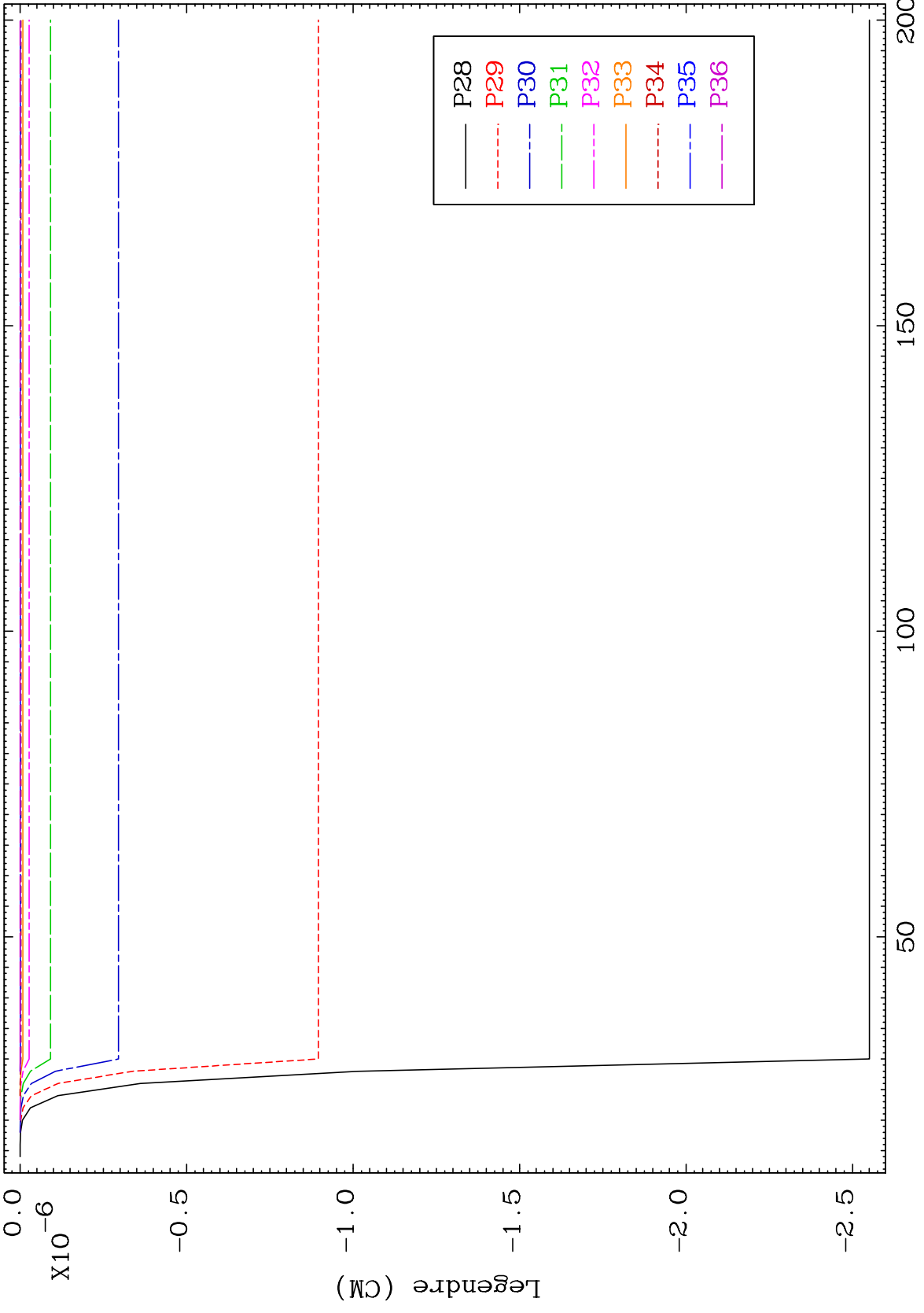


MAT 5064 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-125





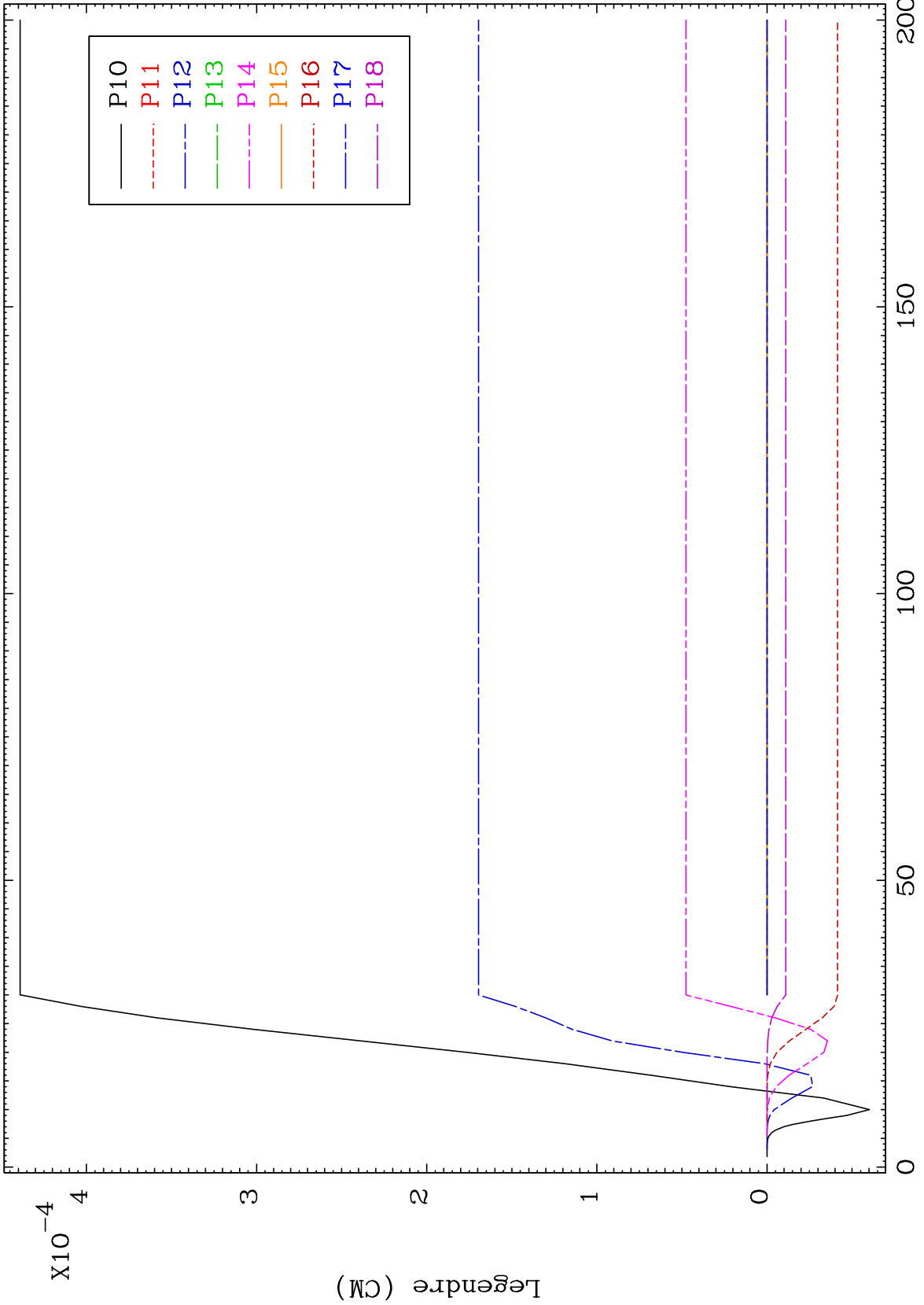
MAT 5064 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-125



MAT 5064

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

50-Sn-125

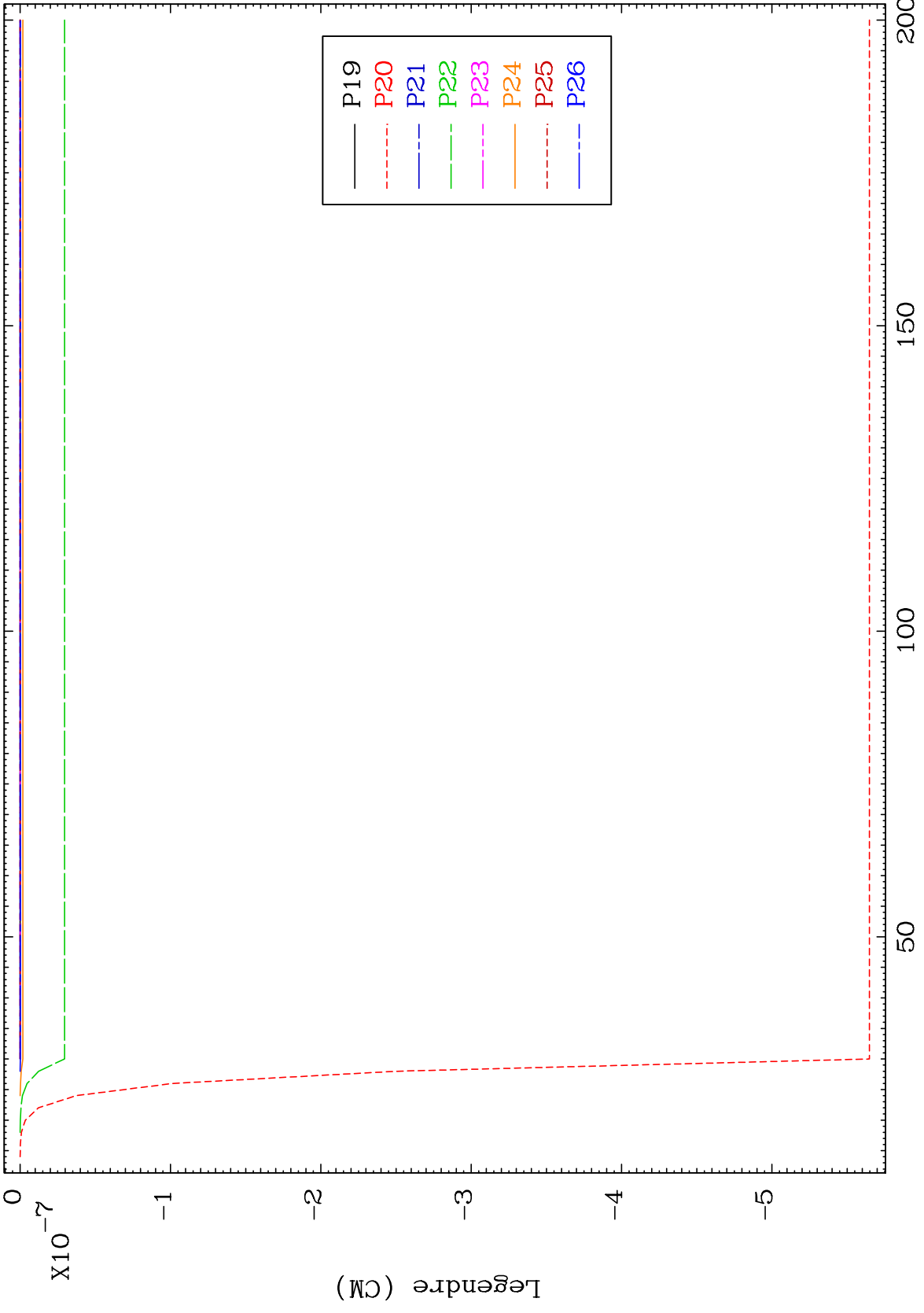


35

Incident Energy (MeV)

50-Sn-125

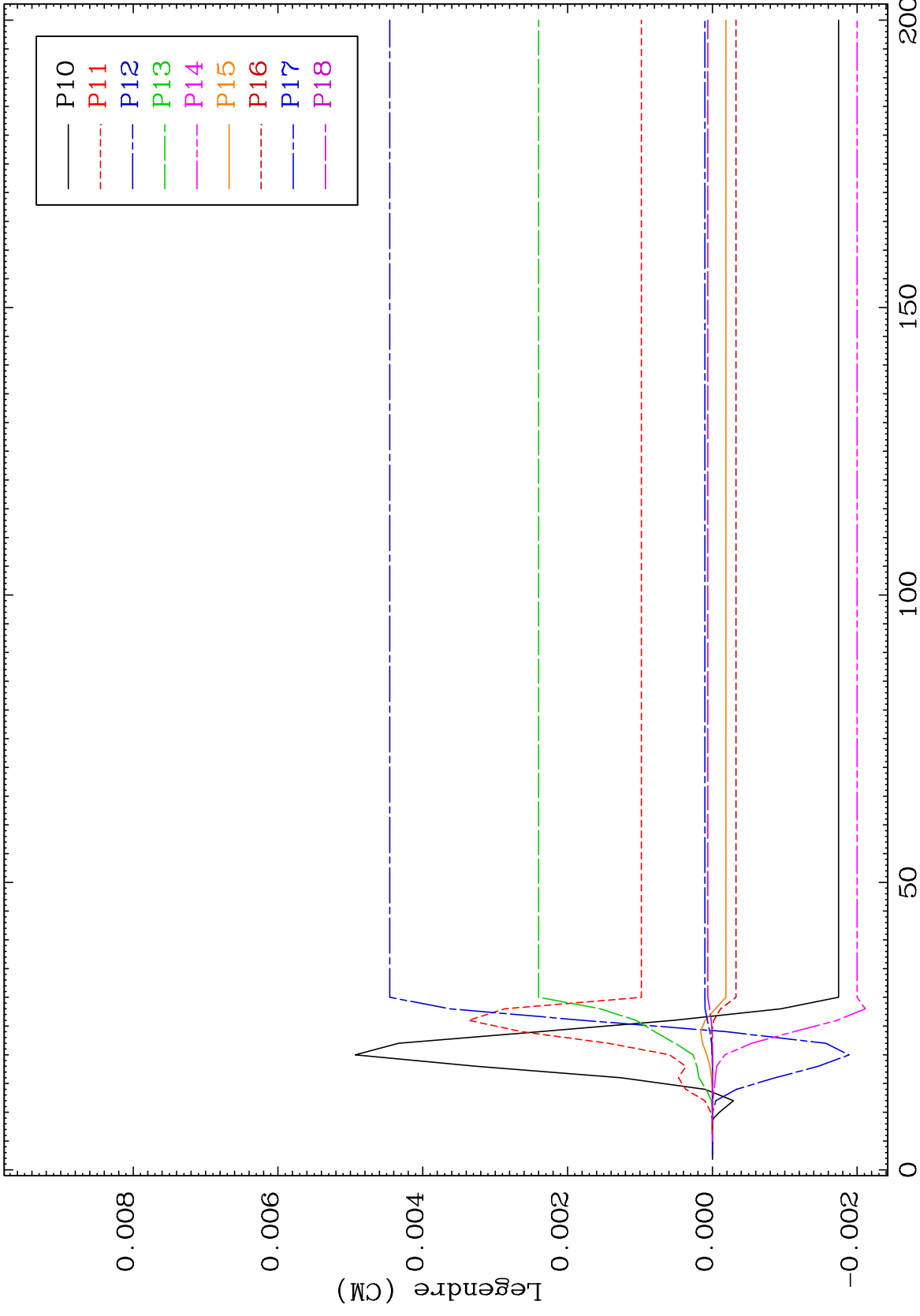
MAT 5064 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-125



MAT 5064

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

50-Sn-125



38

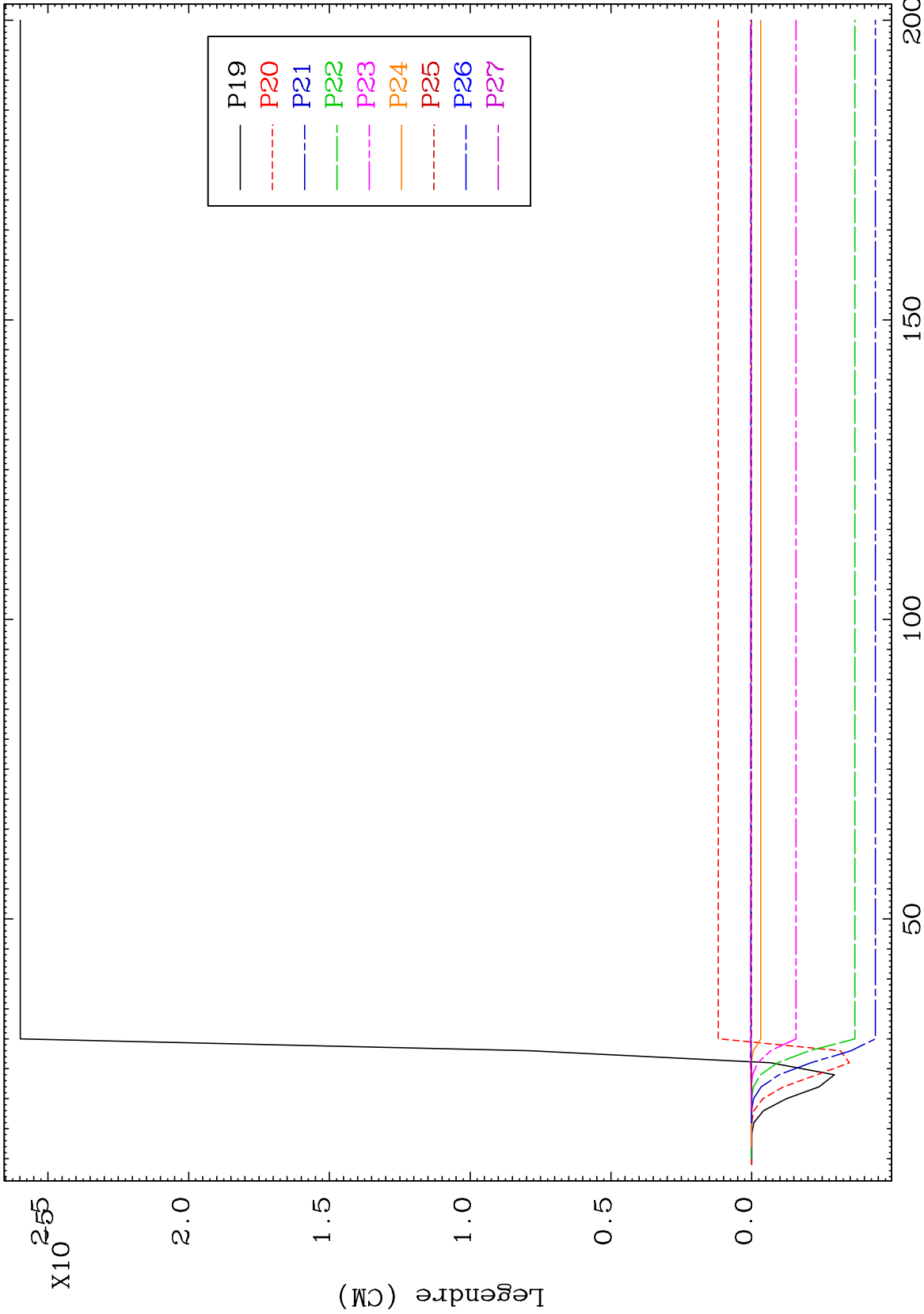
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



39

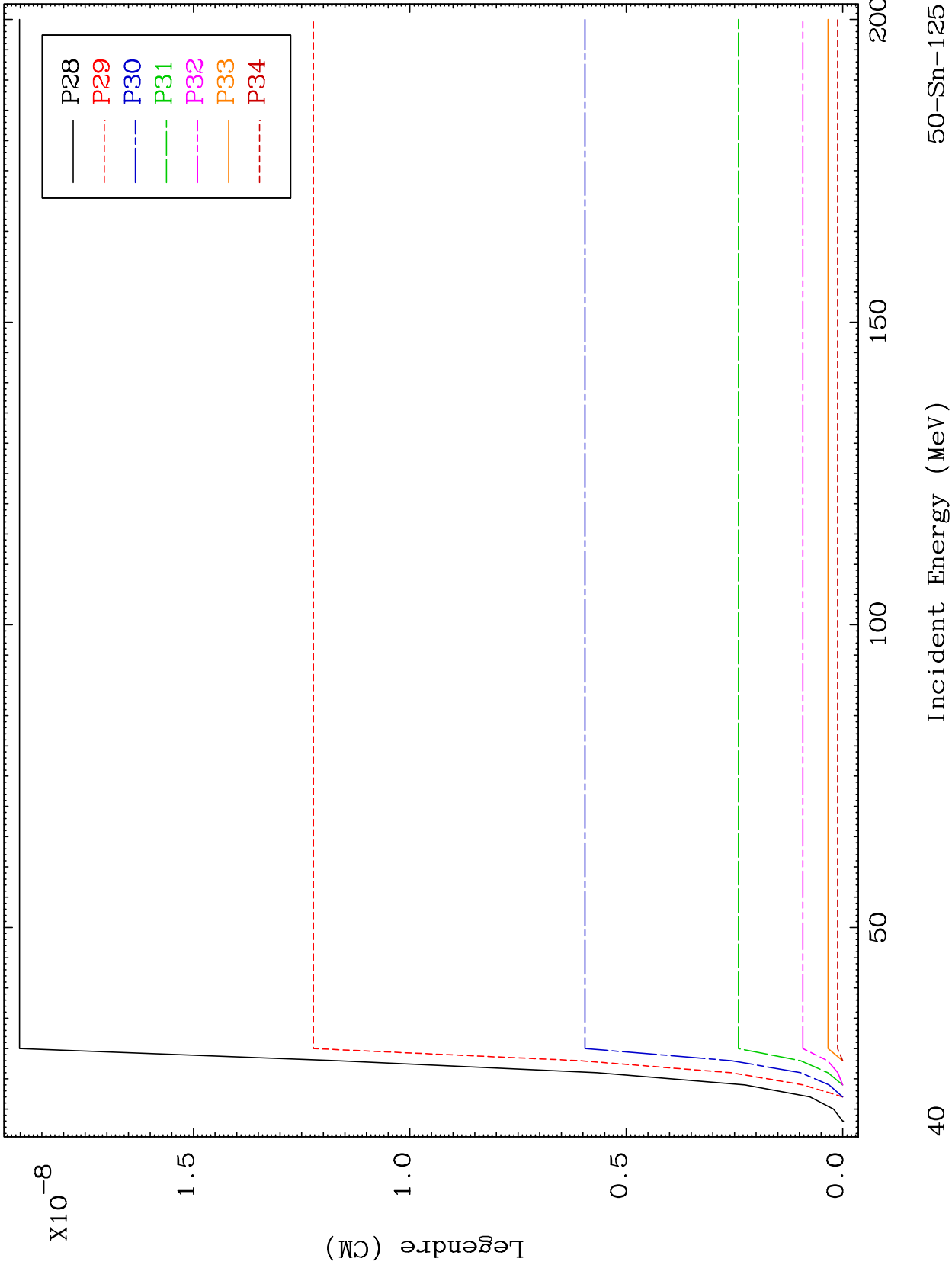
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

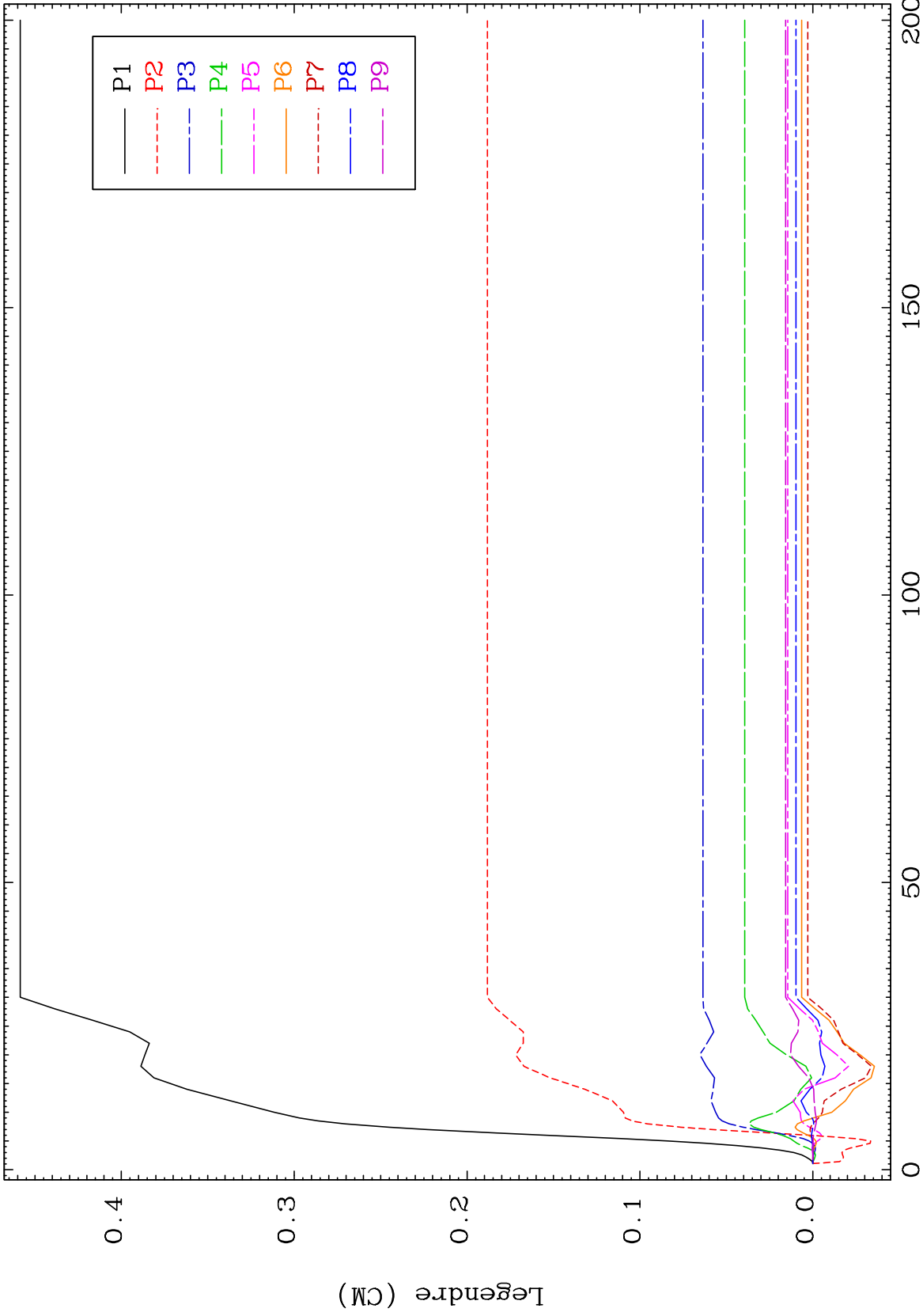
50-Sn-125



MAT 5064

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

50-Sn-125



41

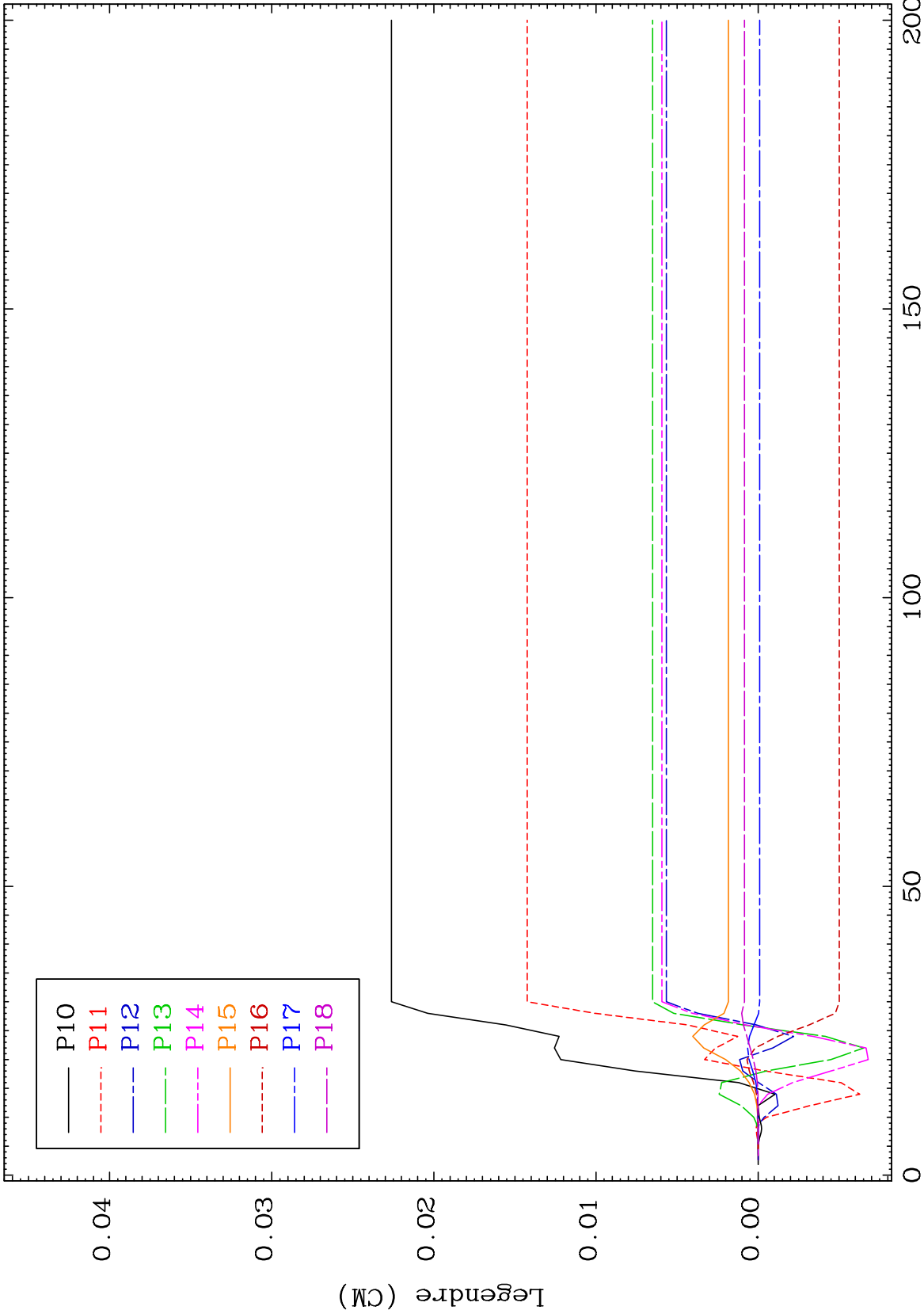
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



42

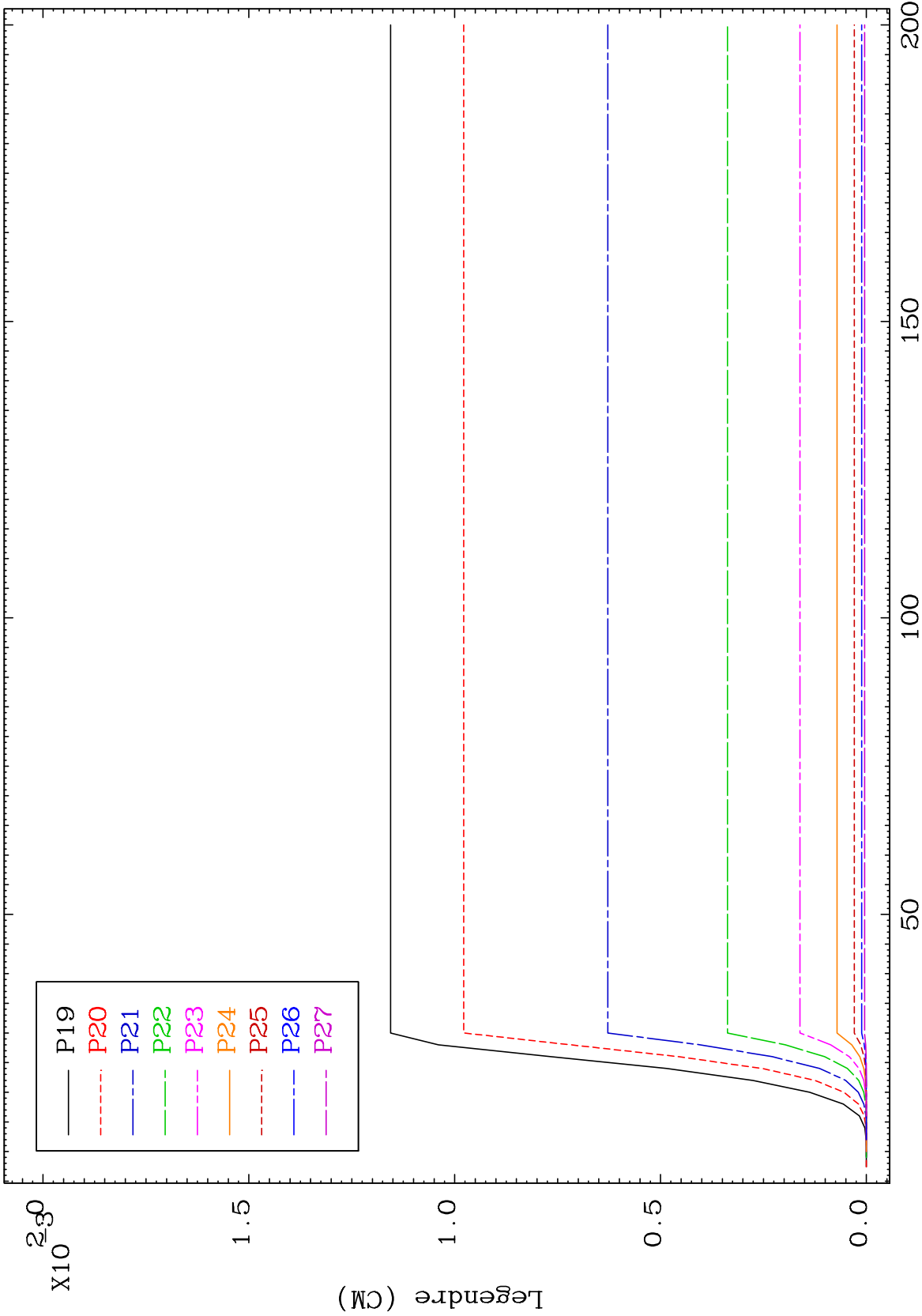
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



43

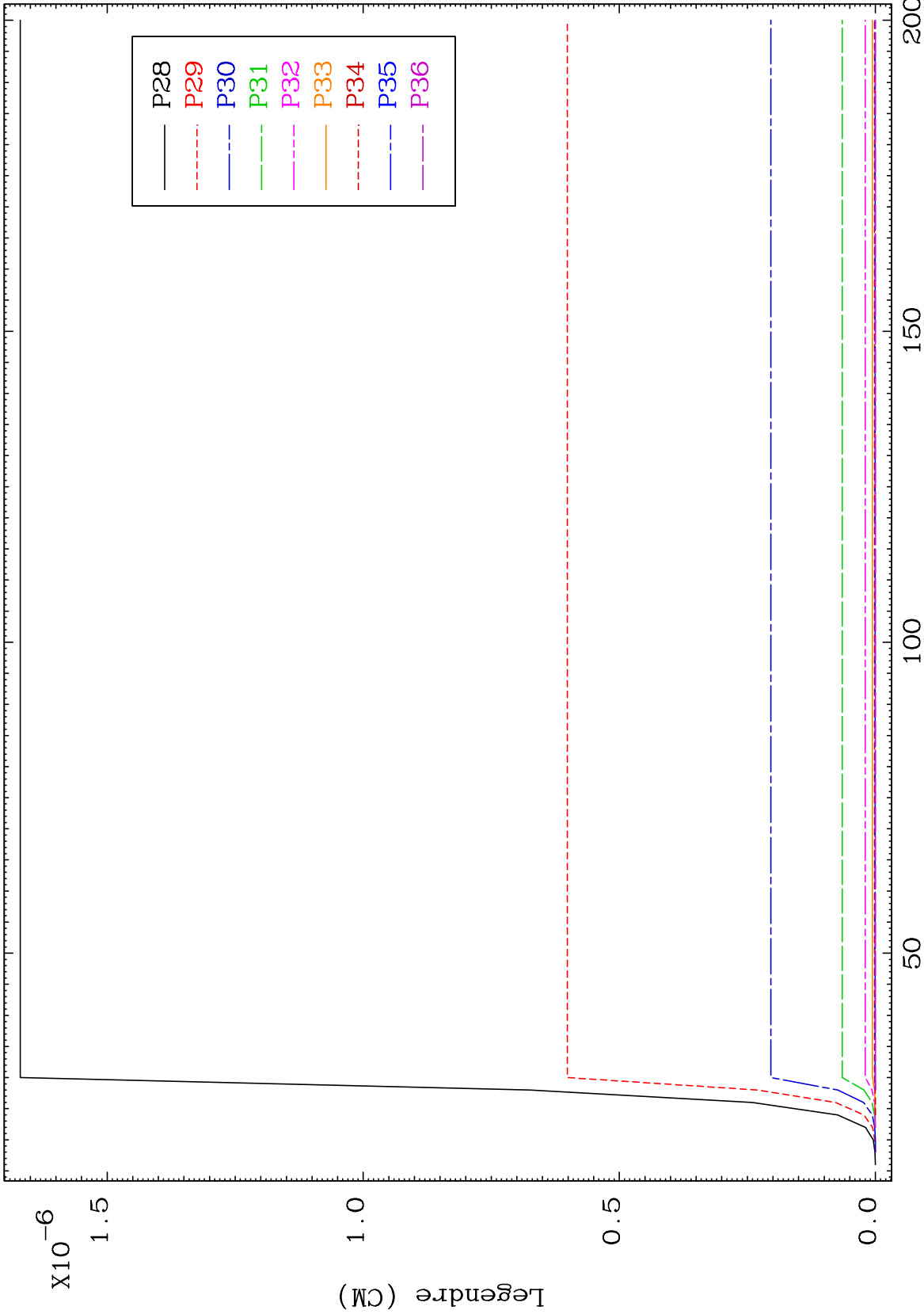
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

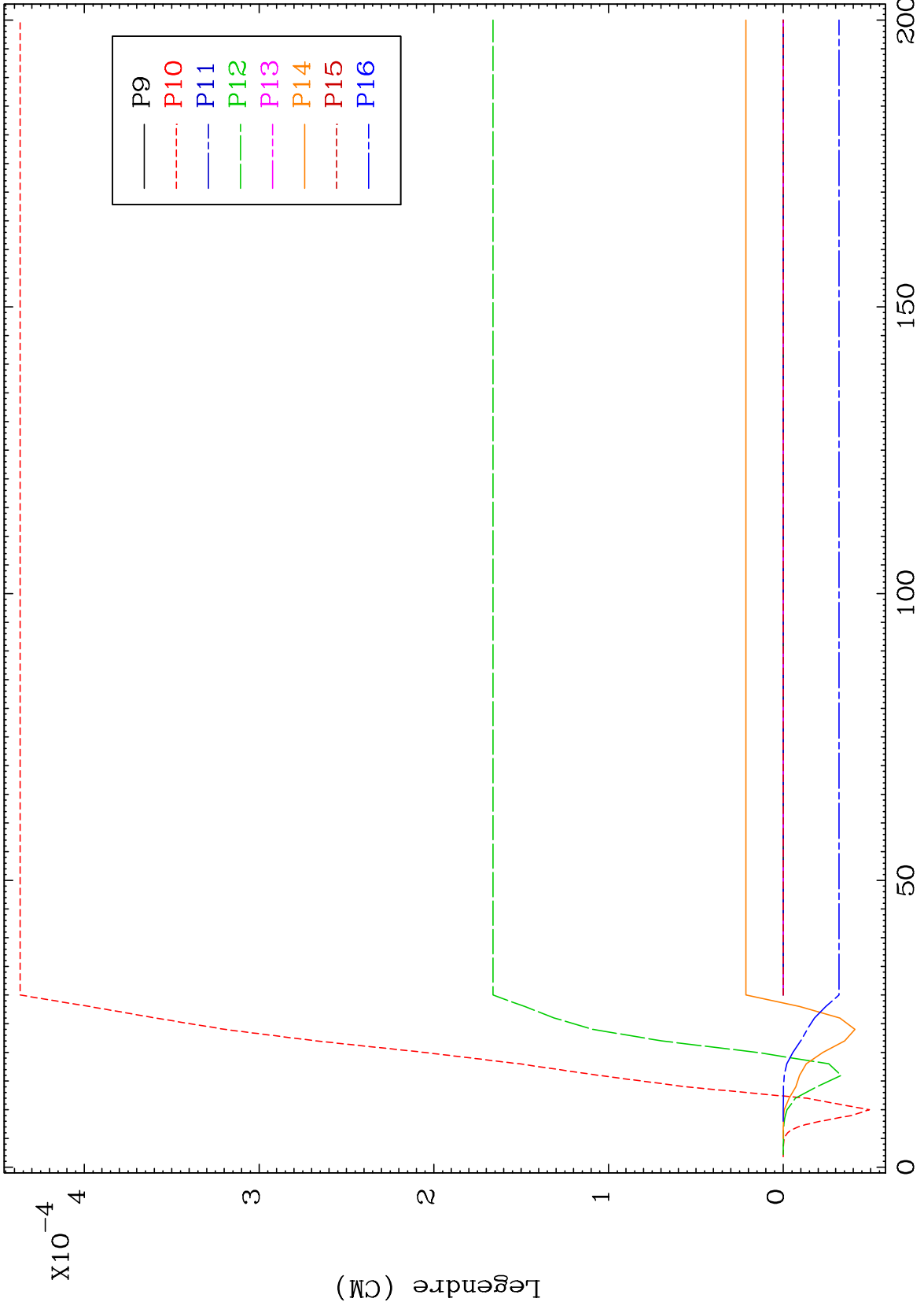
50-Sn-125



44

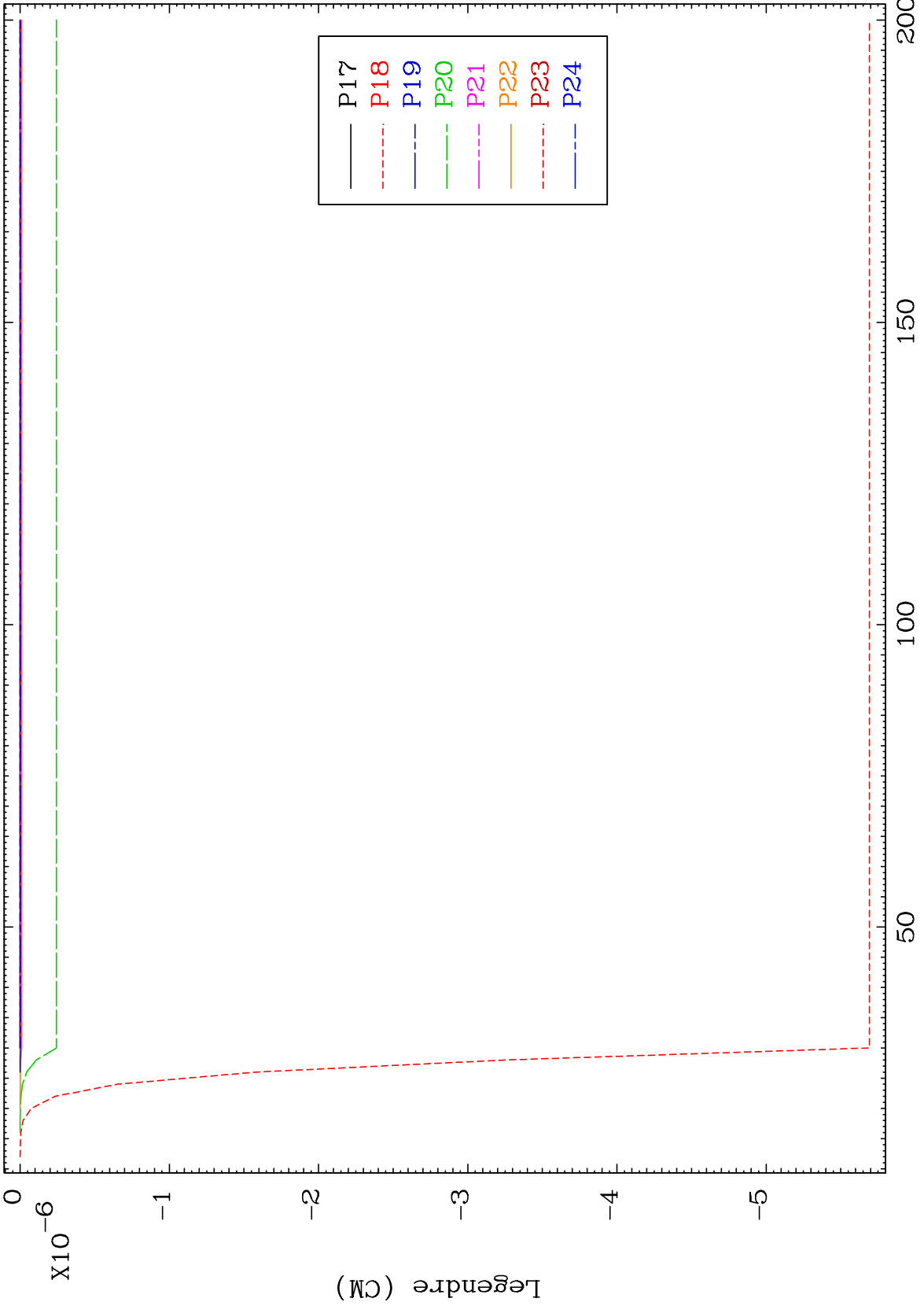
50-Sn-125

MAT 5064 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-125

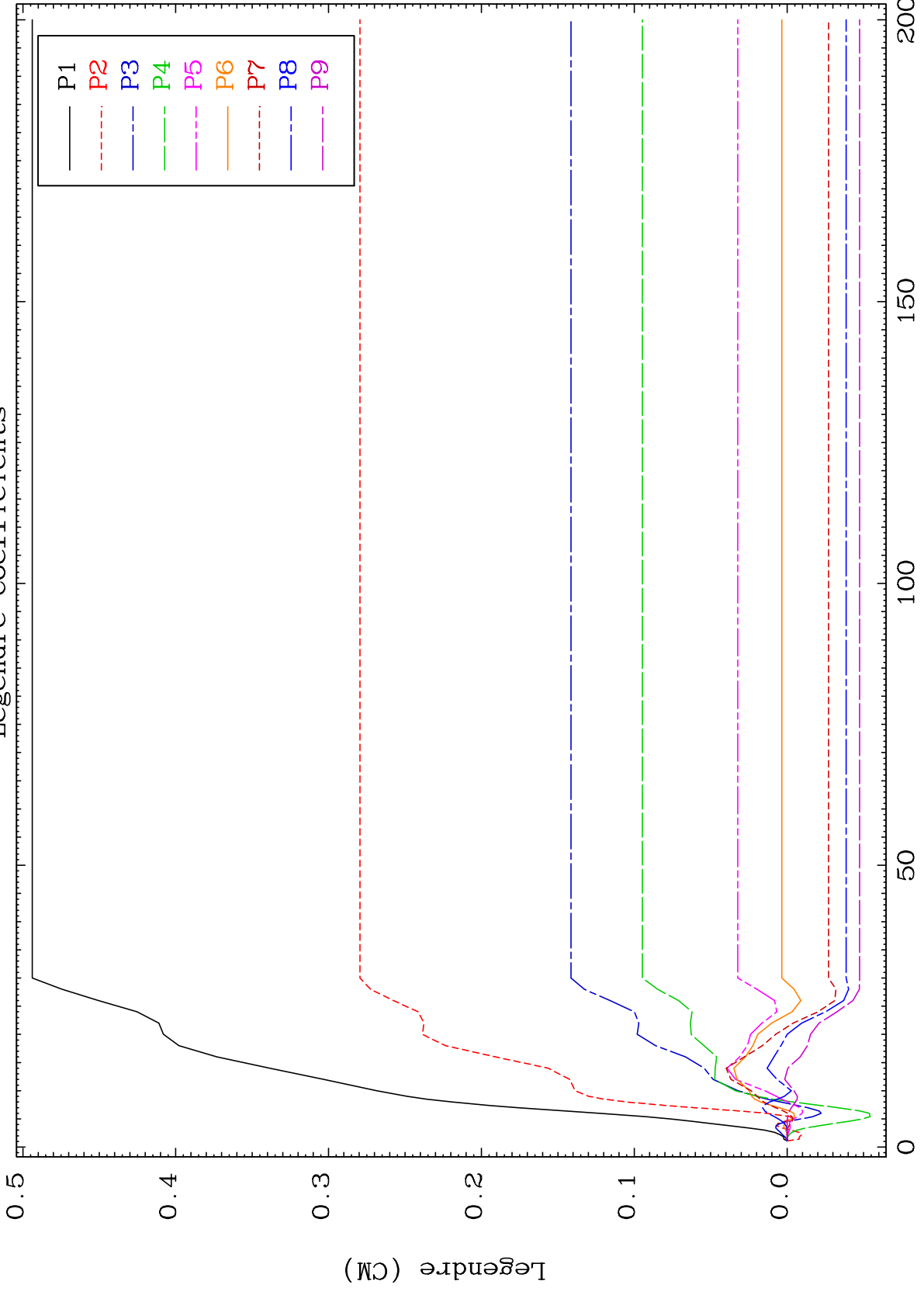


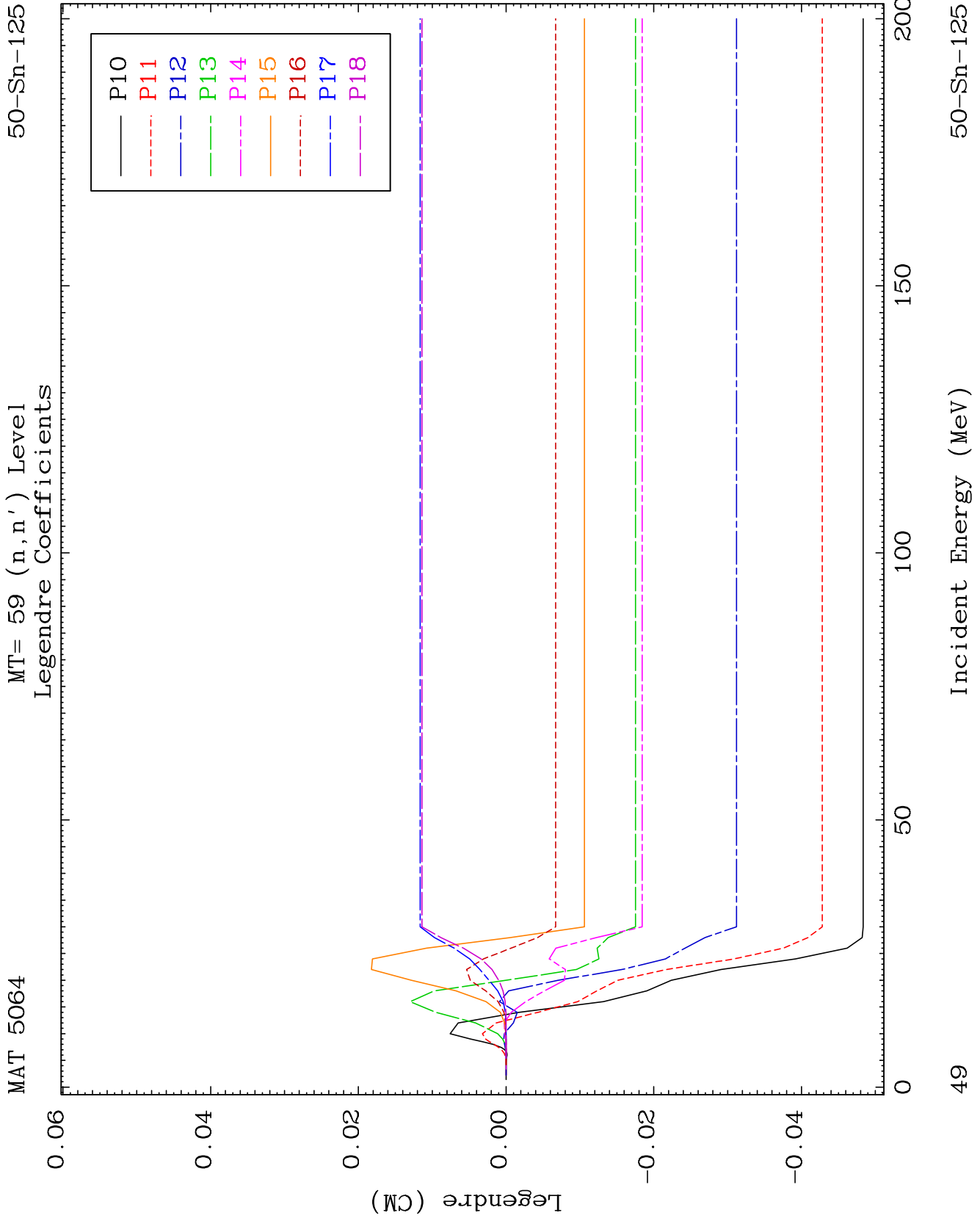
Legendre (CM) X10⁻⁴ Incident Energy (MeV) 46 50-Sn-125

MAT 5064 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-125



MAT 5064 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-125

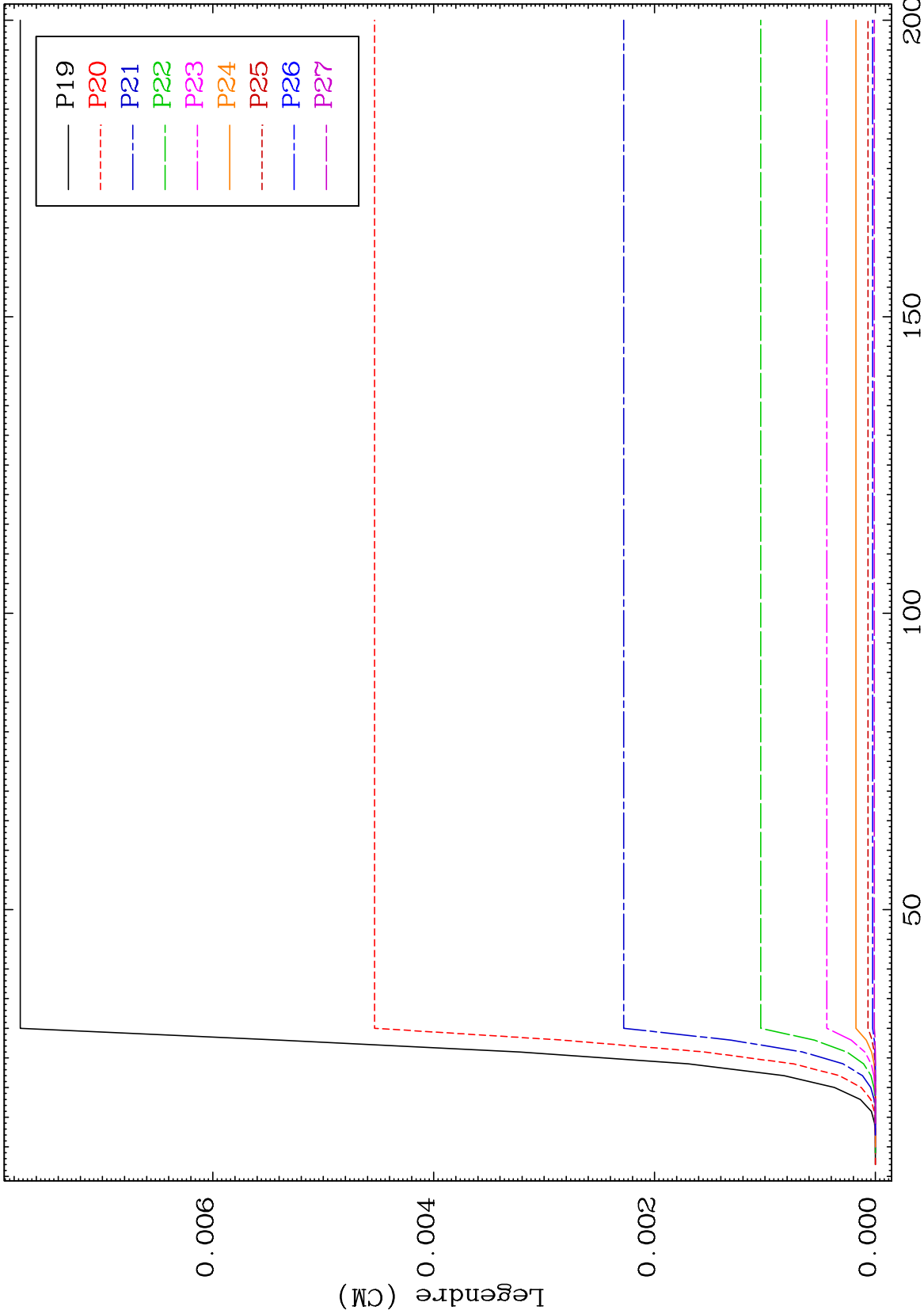




MAT 5064

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

50-Sn-125



50

Incident Energy (MeV)

50-Sn-125

200

150

100

50

0.006

Legendre (CM)

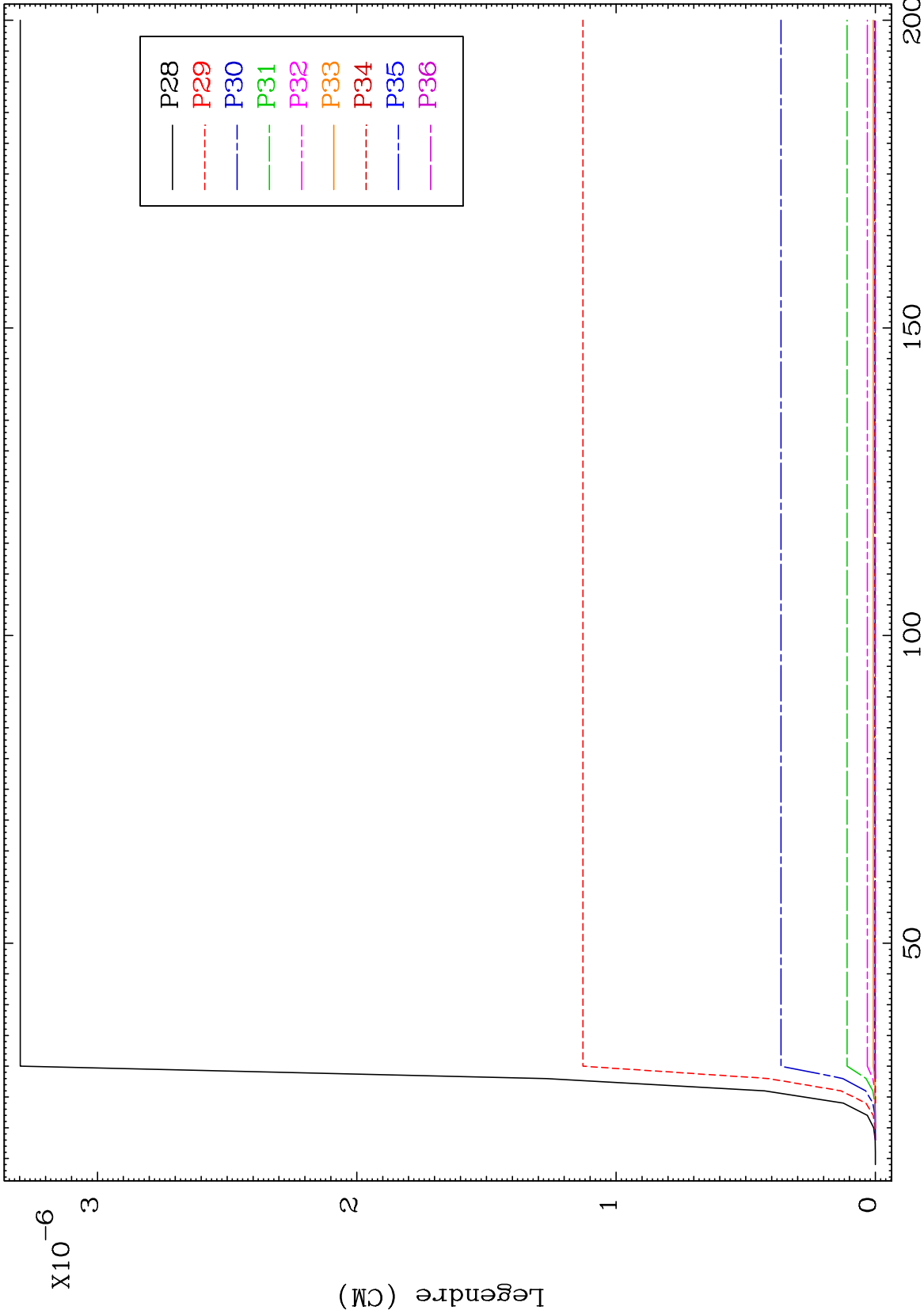
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0.000

MAT 5064

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

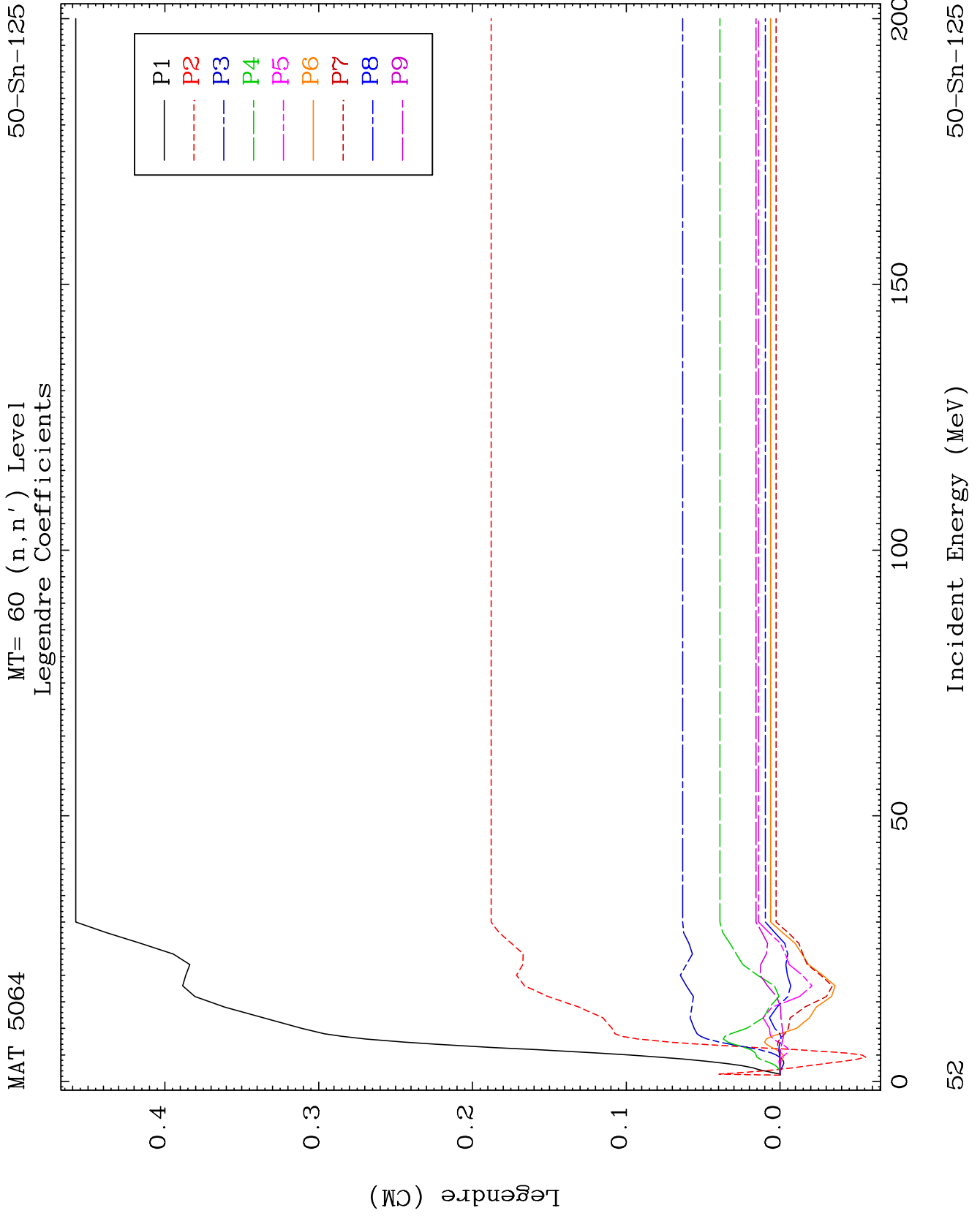
50-Sn-125



51

Incident Energy (MeV)

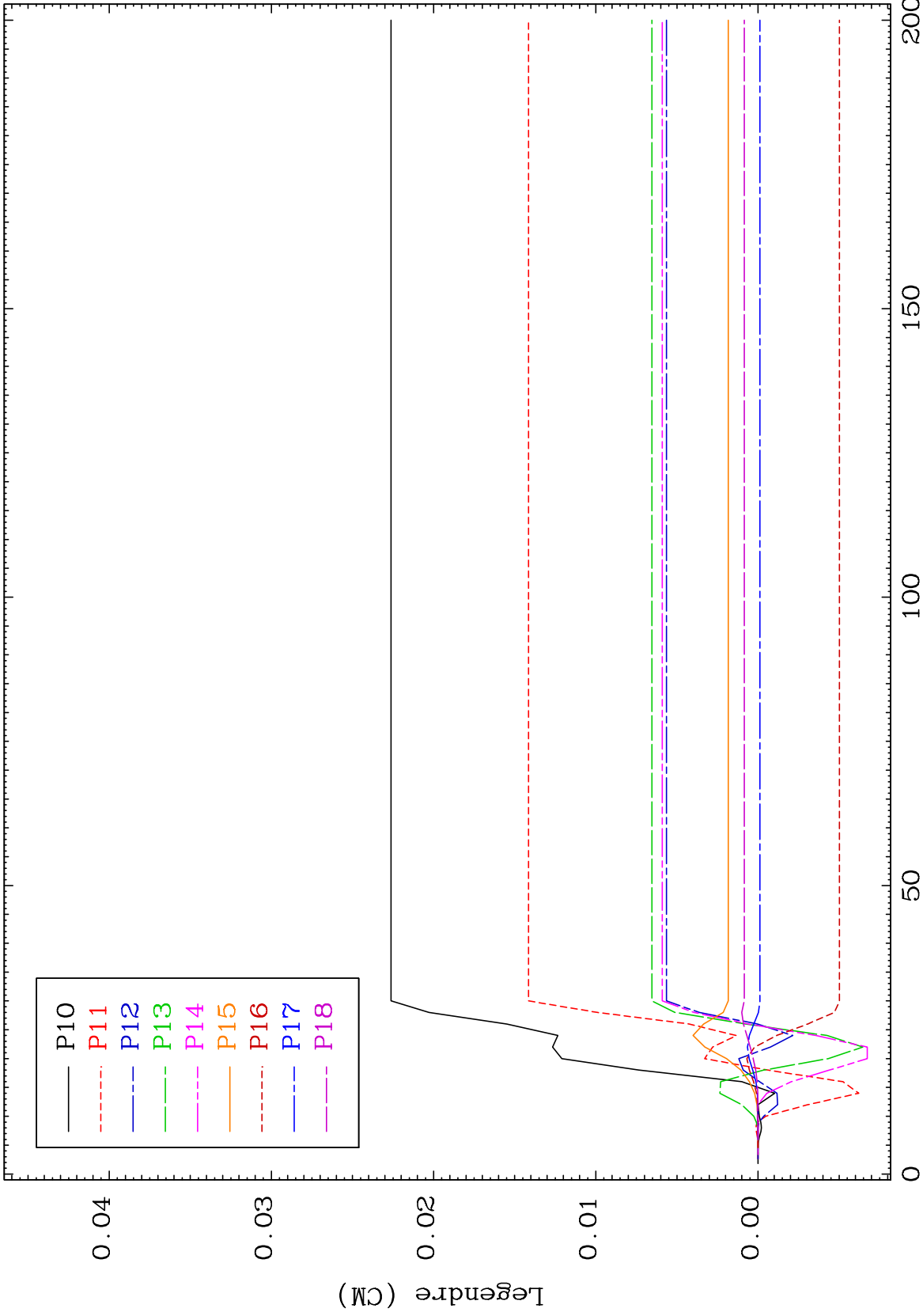
50-Sn-125



MAT 5064

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

50-Sn-125



53

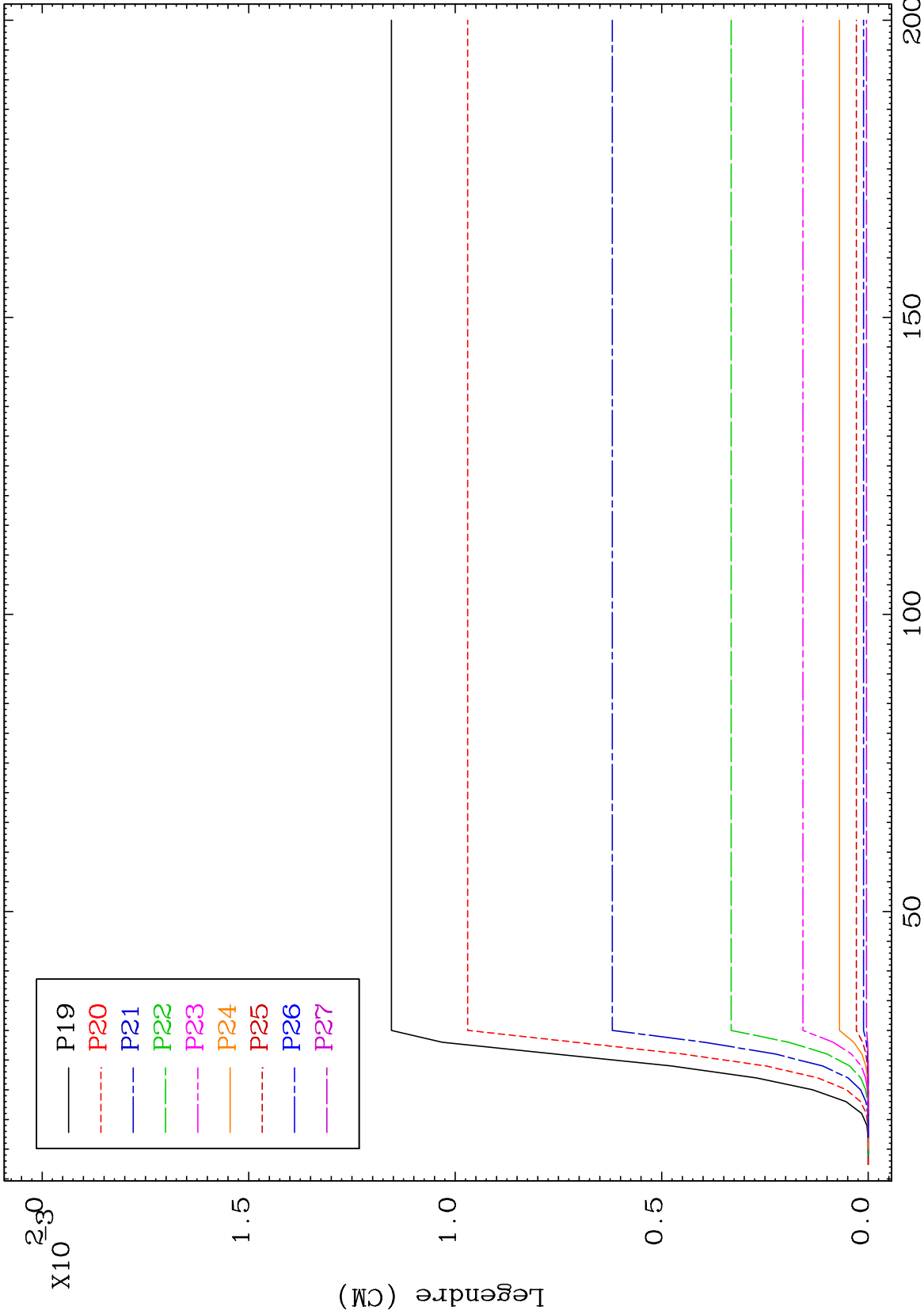
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

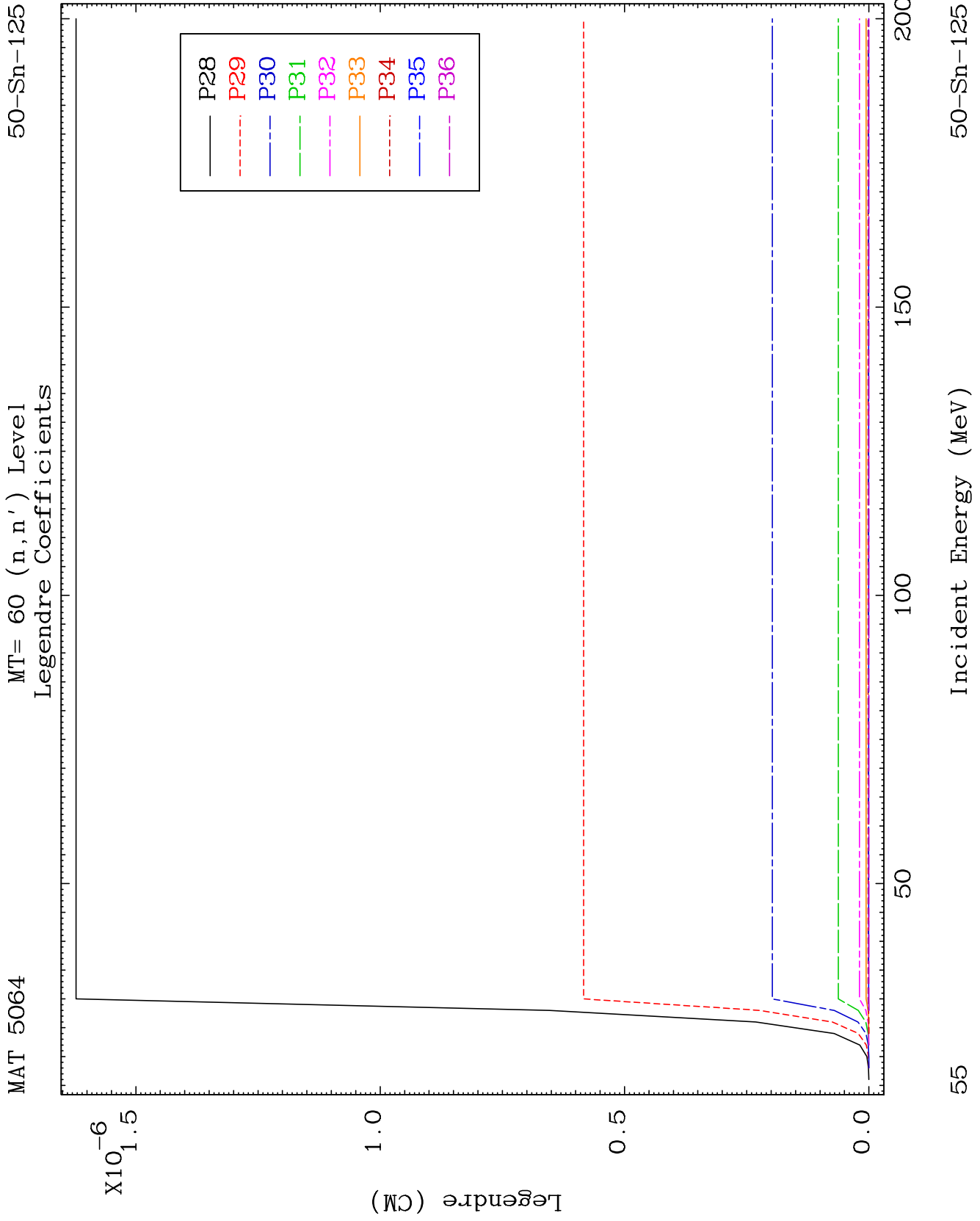
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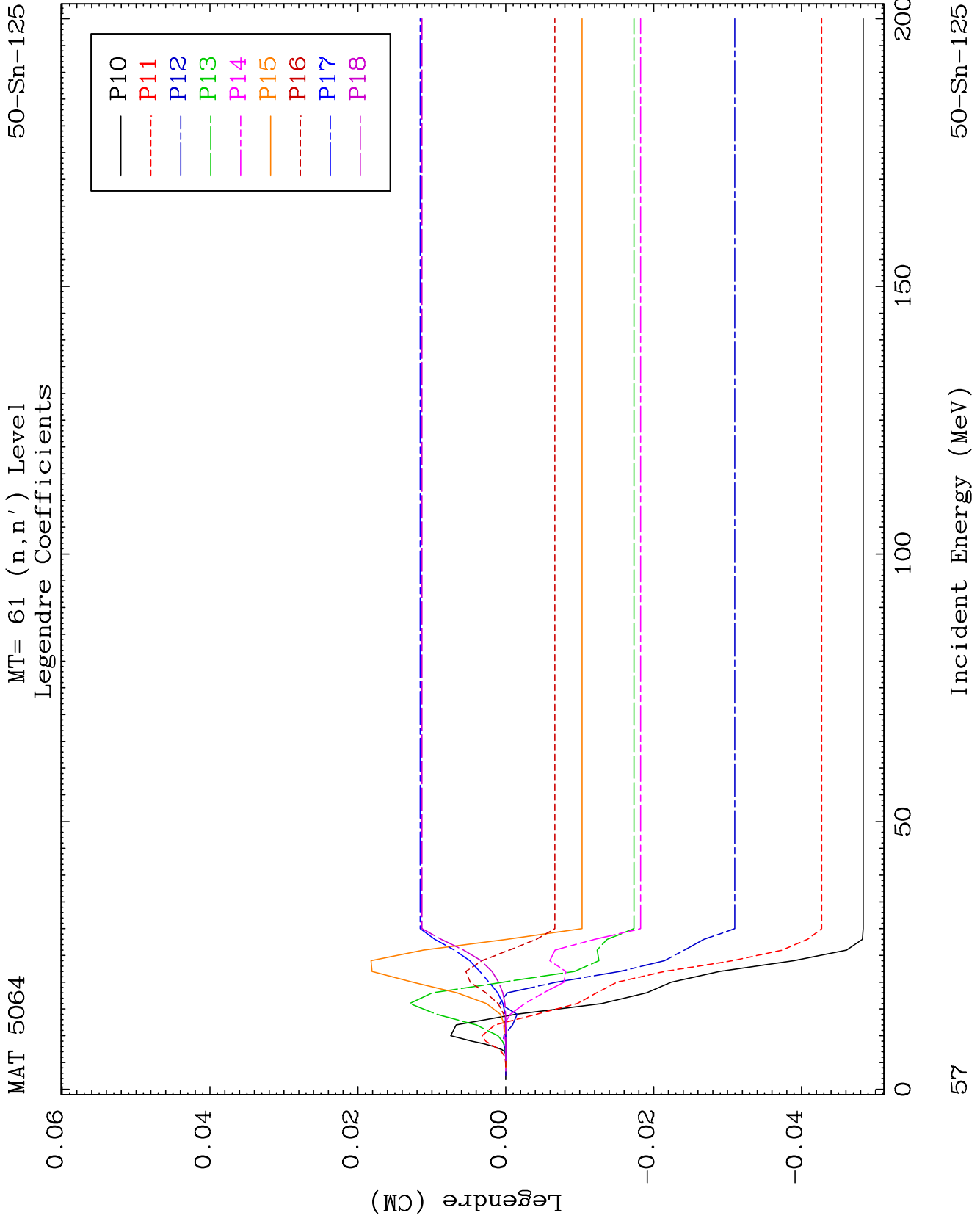


54

Incident Energy (MeV)

50-Sn-125

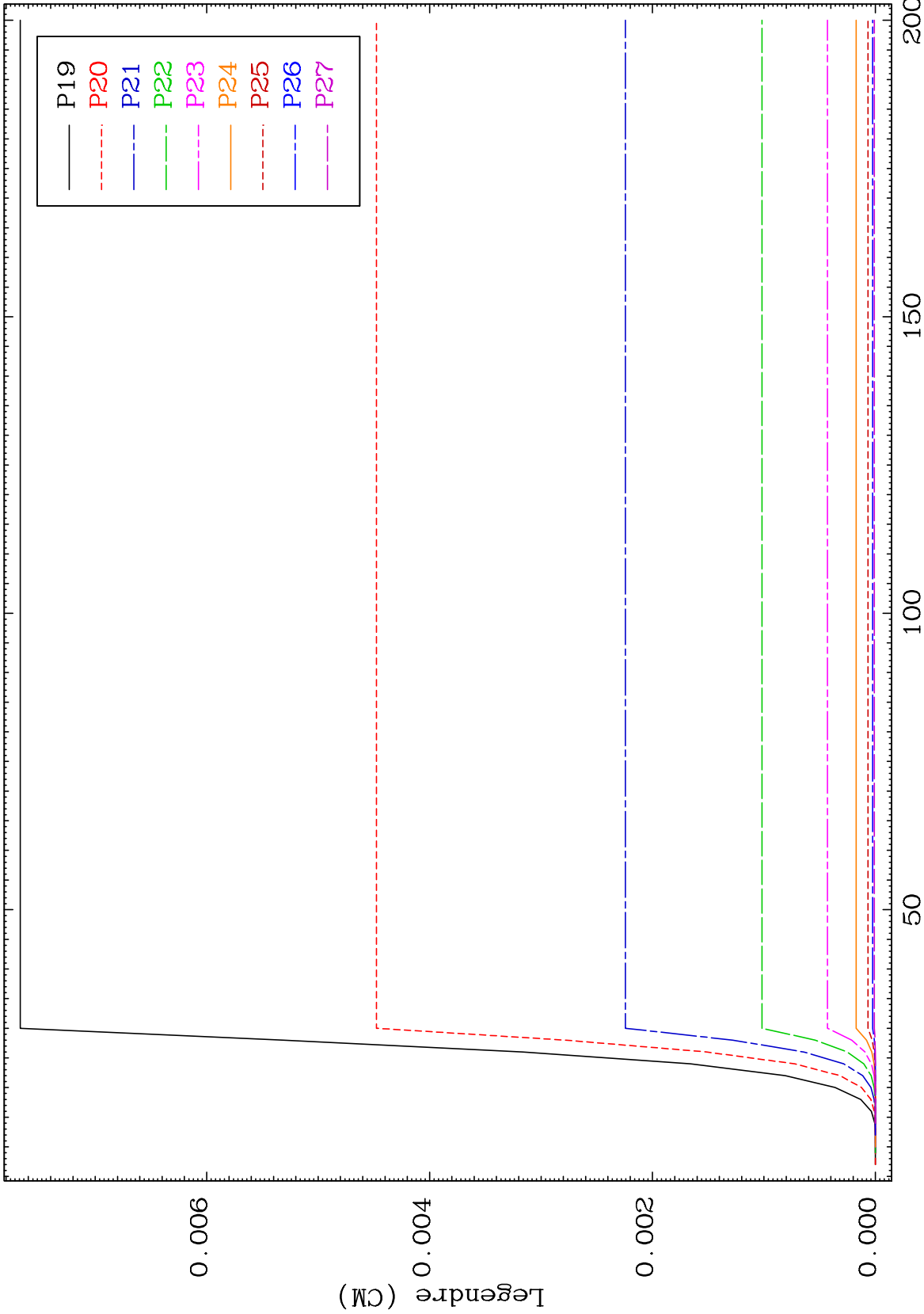




MAT 5064

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

50-Sn-125



58

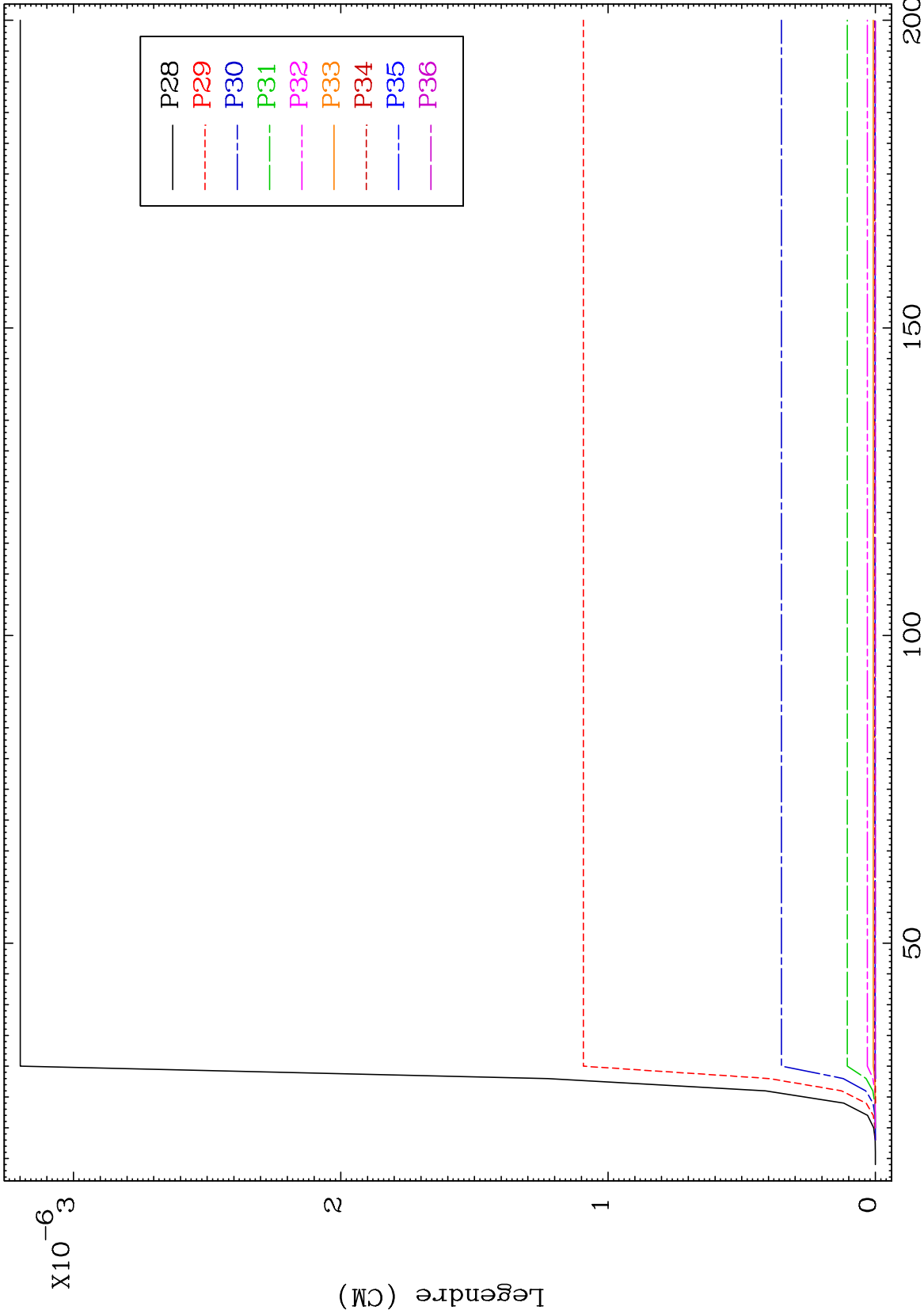
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125

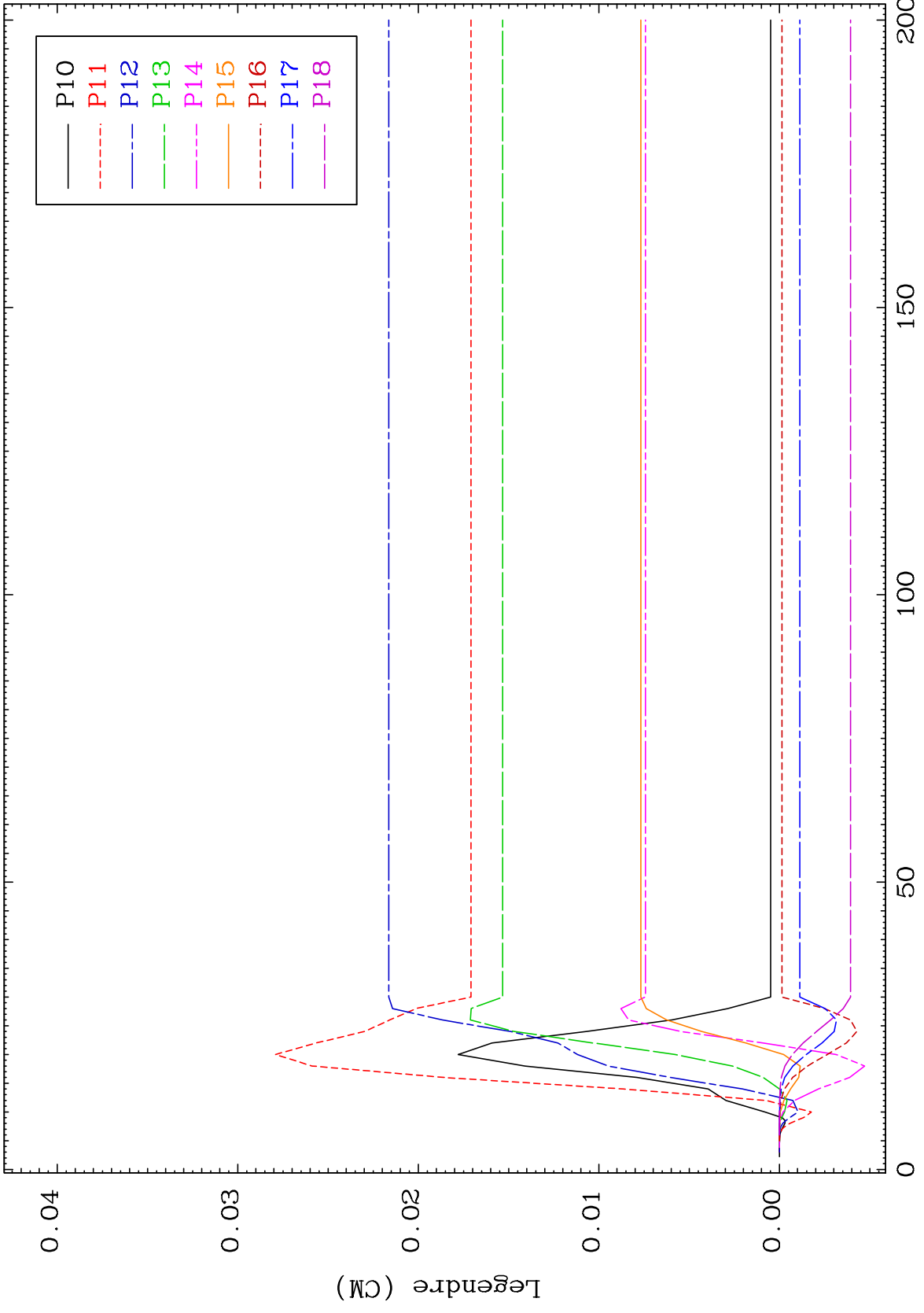


59

Incident Energy (MeV)

50-Sn-125

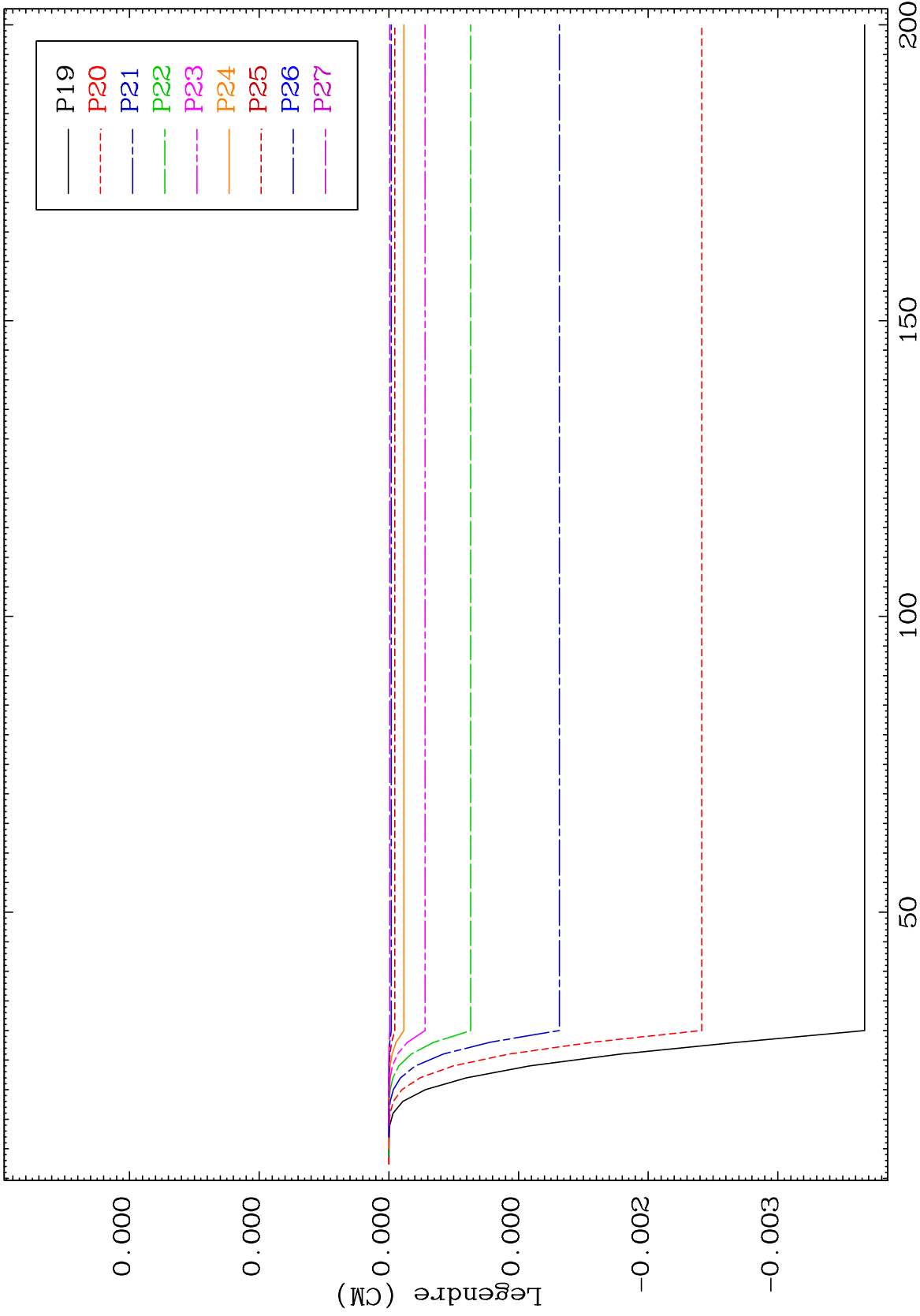
MAT 5064 MT= 62 (n,n') Level Legendre Coefficients 50-Sn-125



MAT 5064

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

50-Sn-125

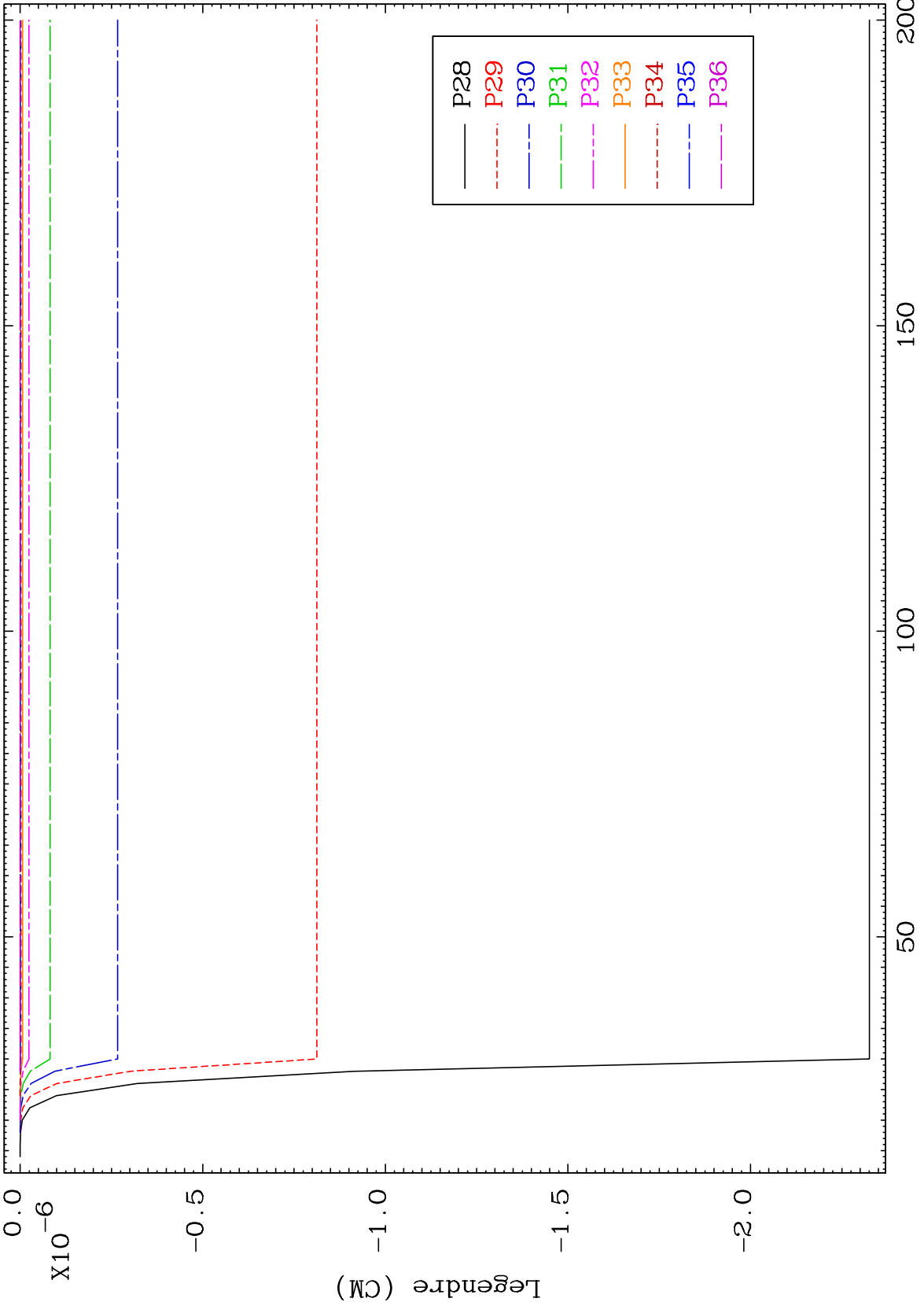


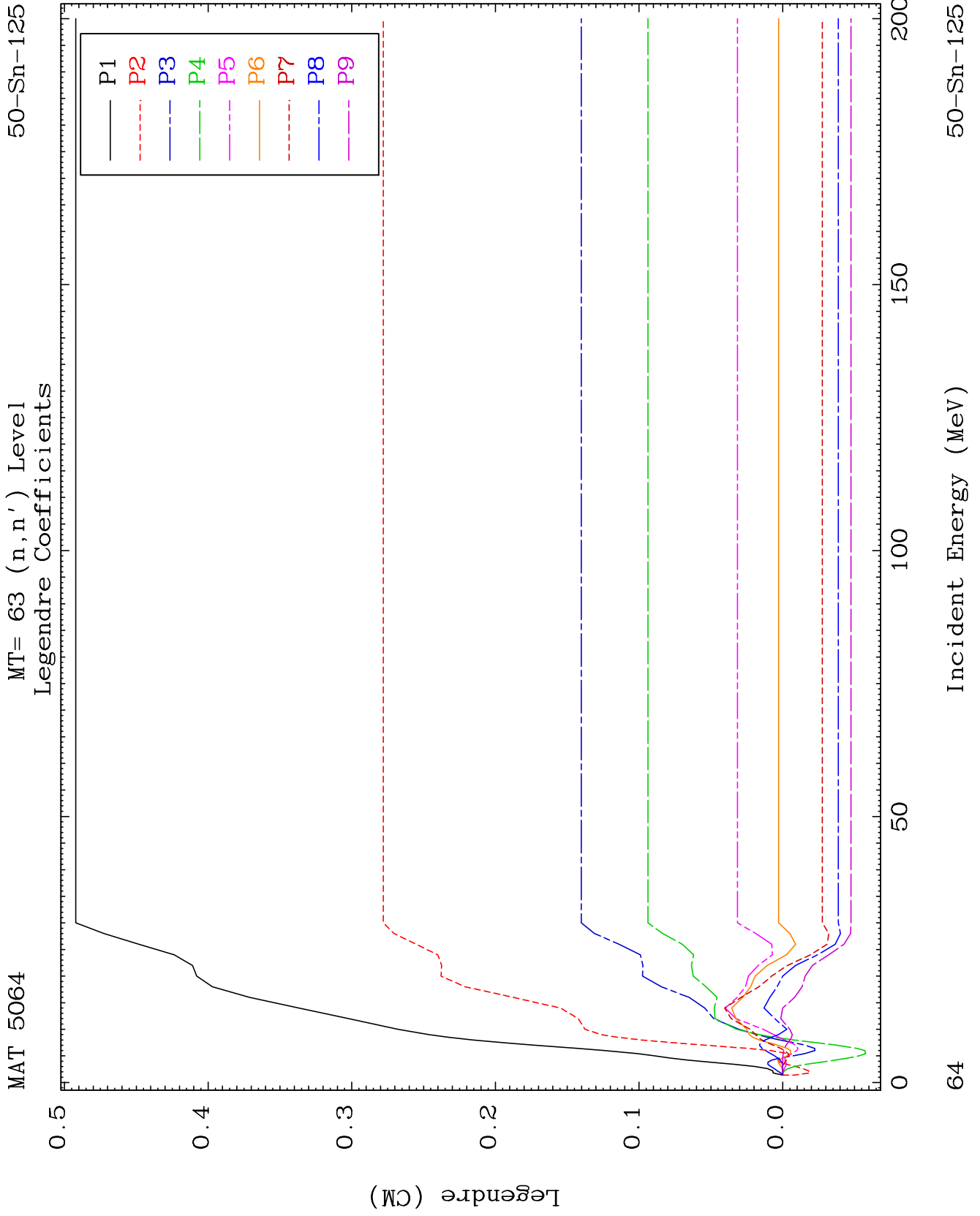
62

Incident Energy (MeV)

50-Sn-125

MAT 5064 MT= 62 (n,n') Level Legendre Coefficients 50-Sn-125

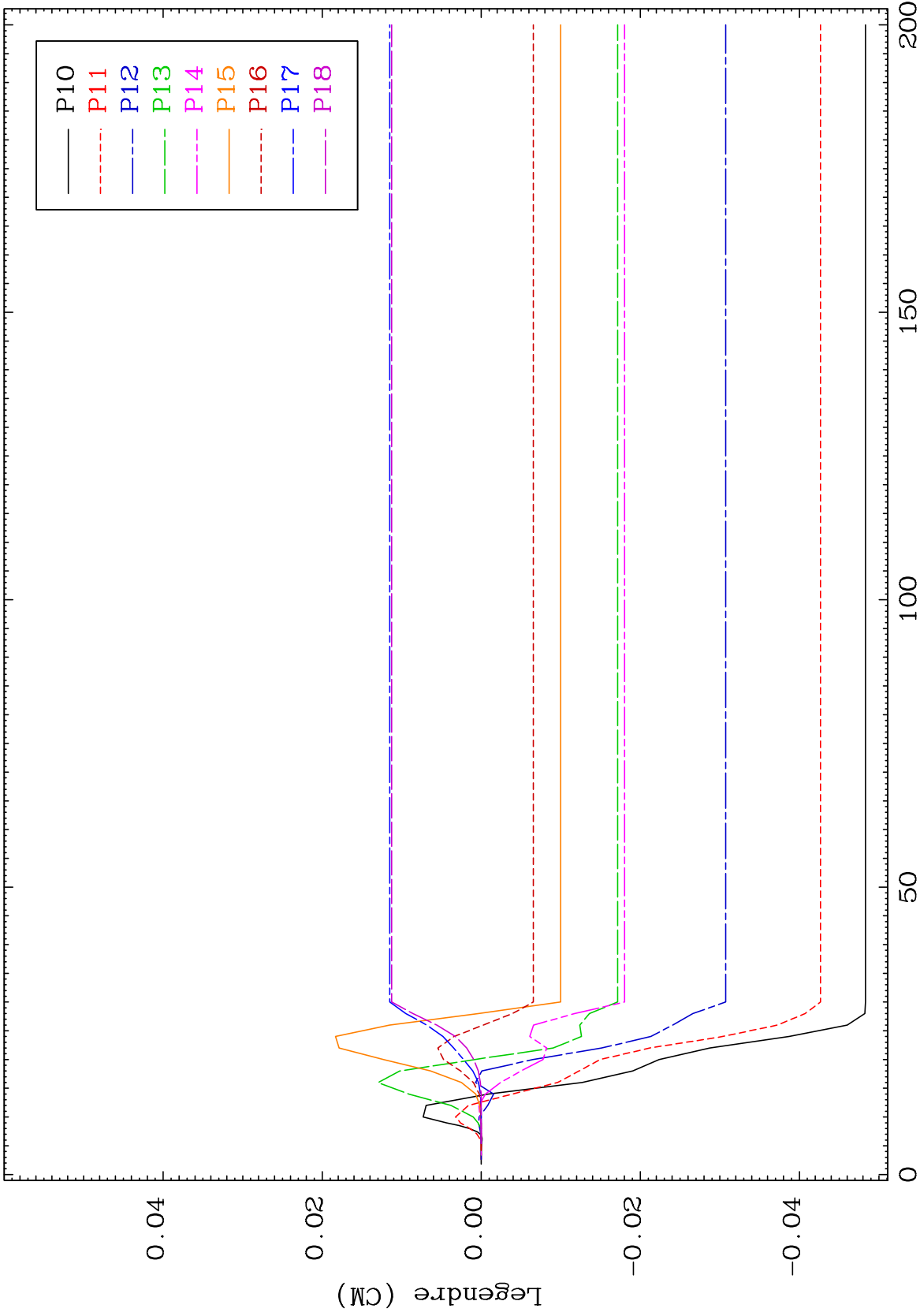




MAT 5064

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

50-Sn-125



65

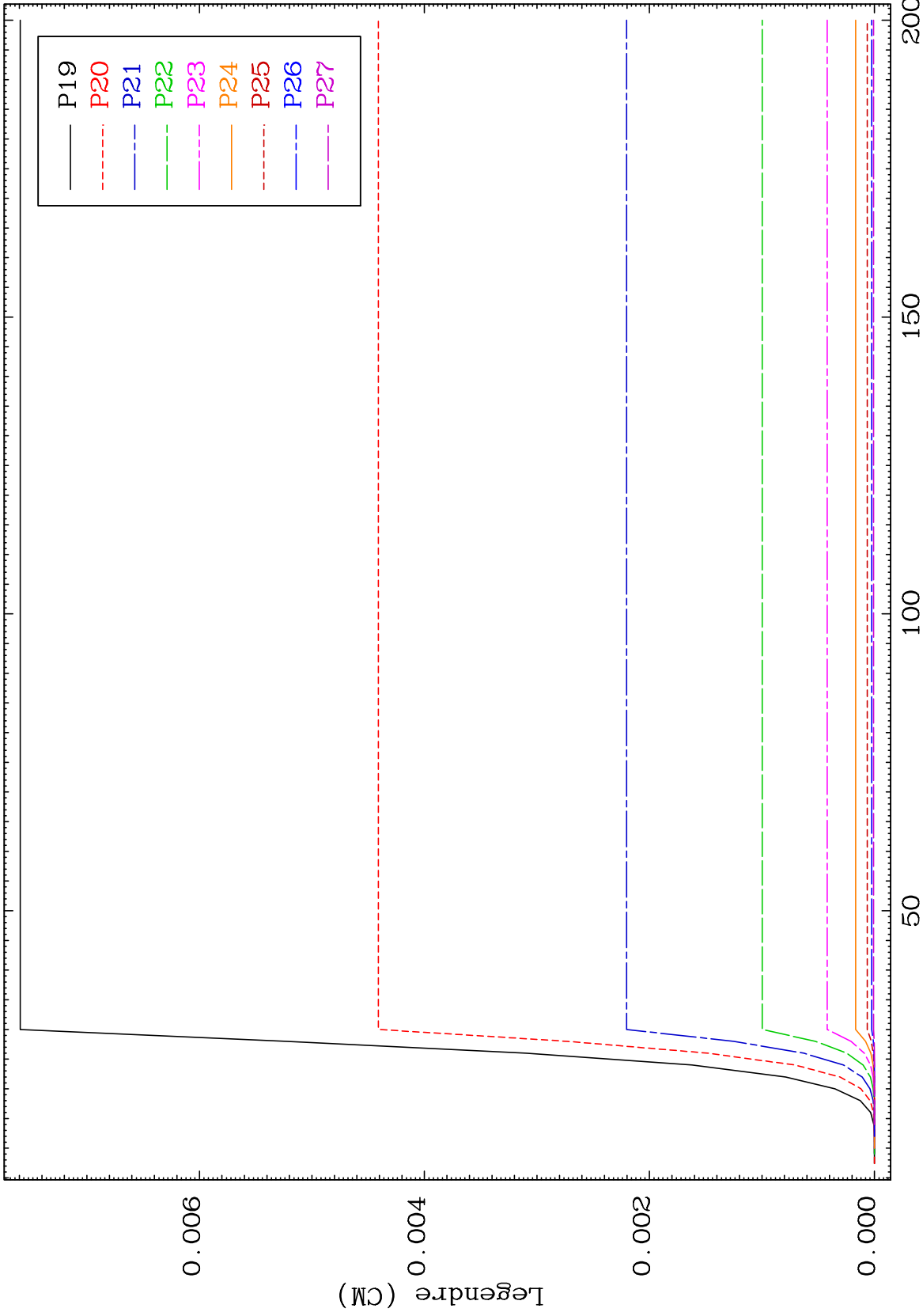
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



66

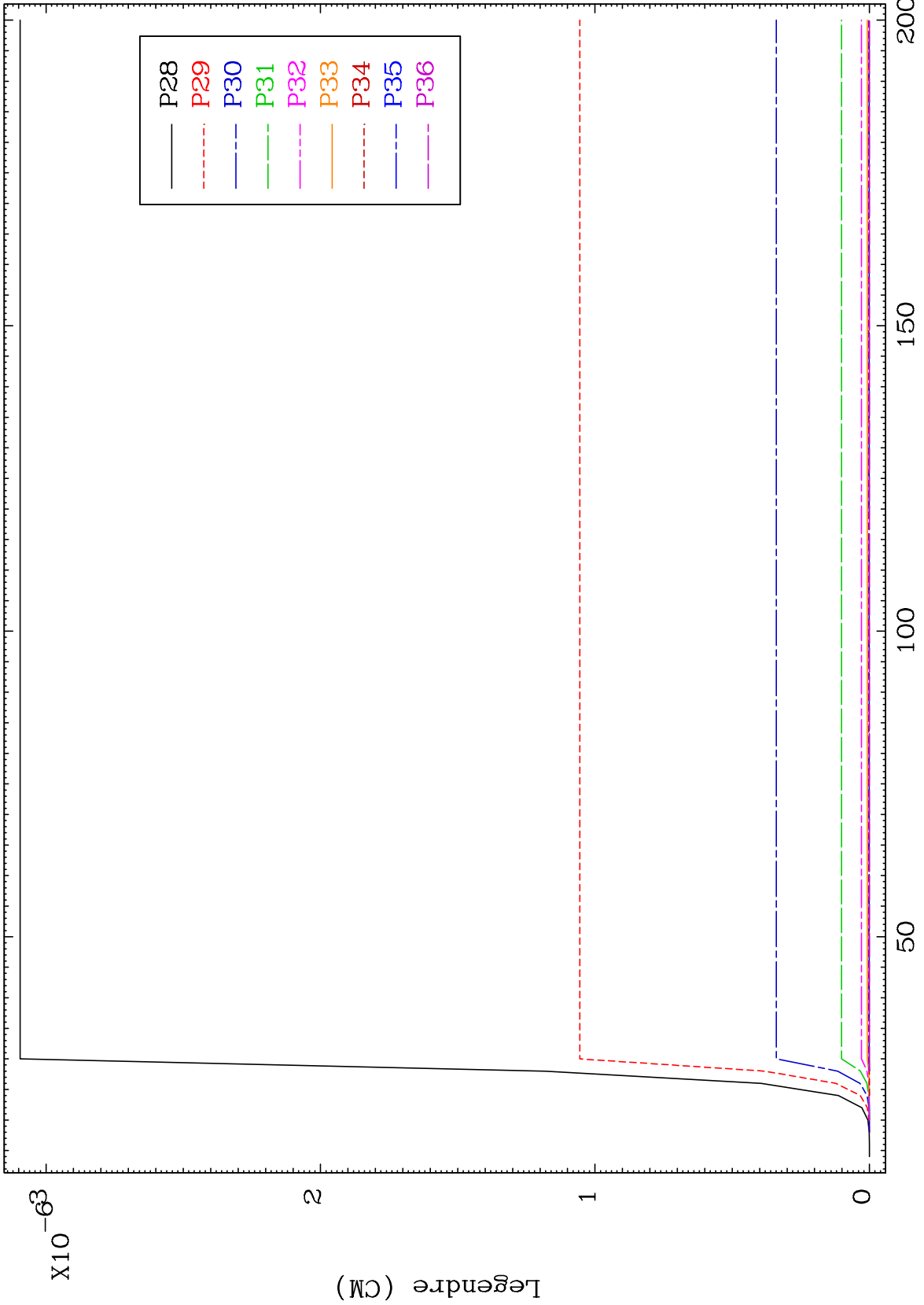
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

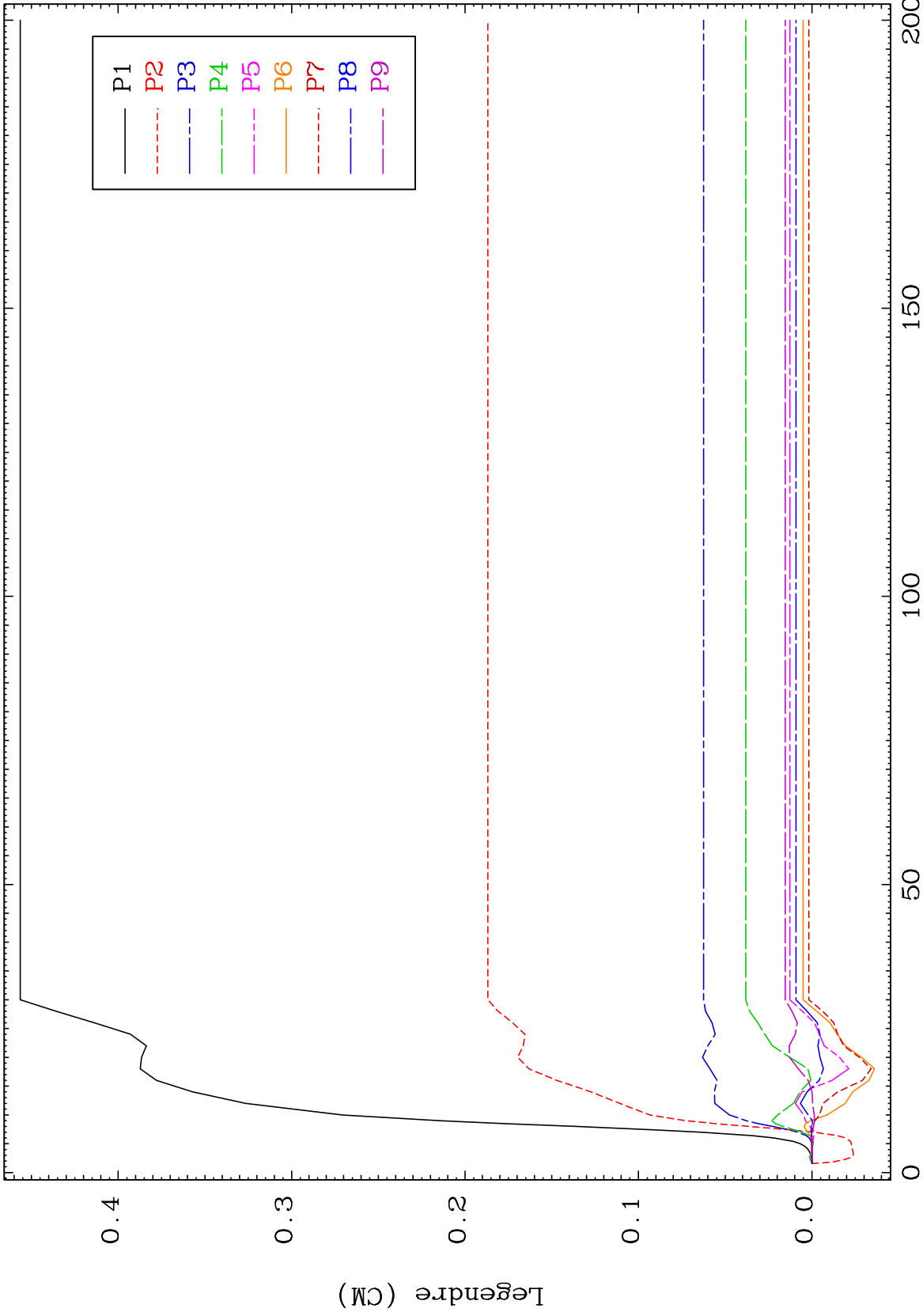
50-Sn-125



MAT 5064

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

50-Sn-125



68

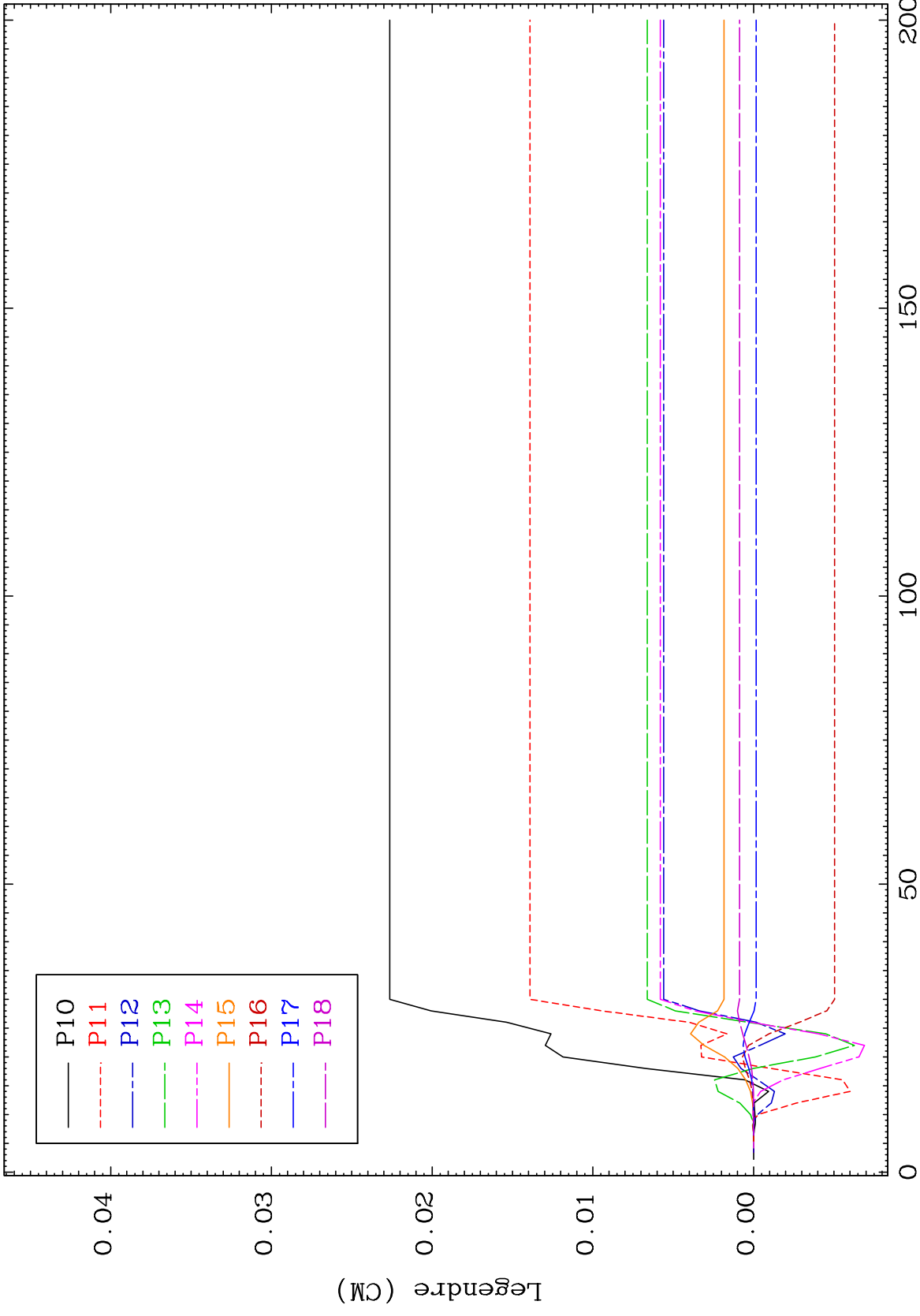
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



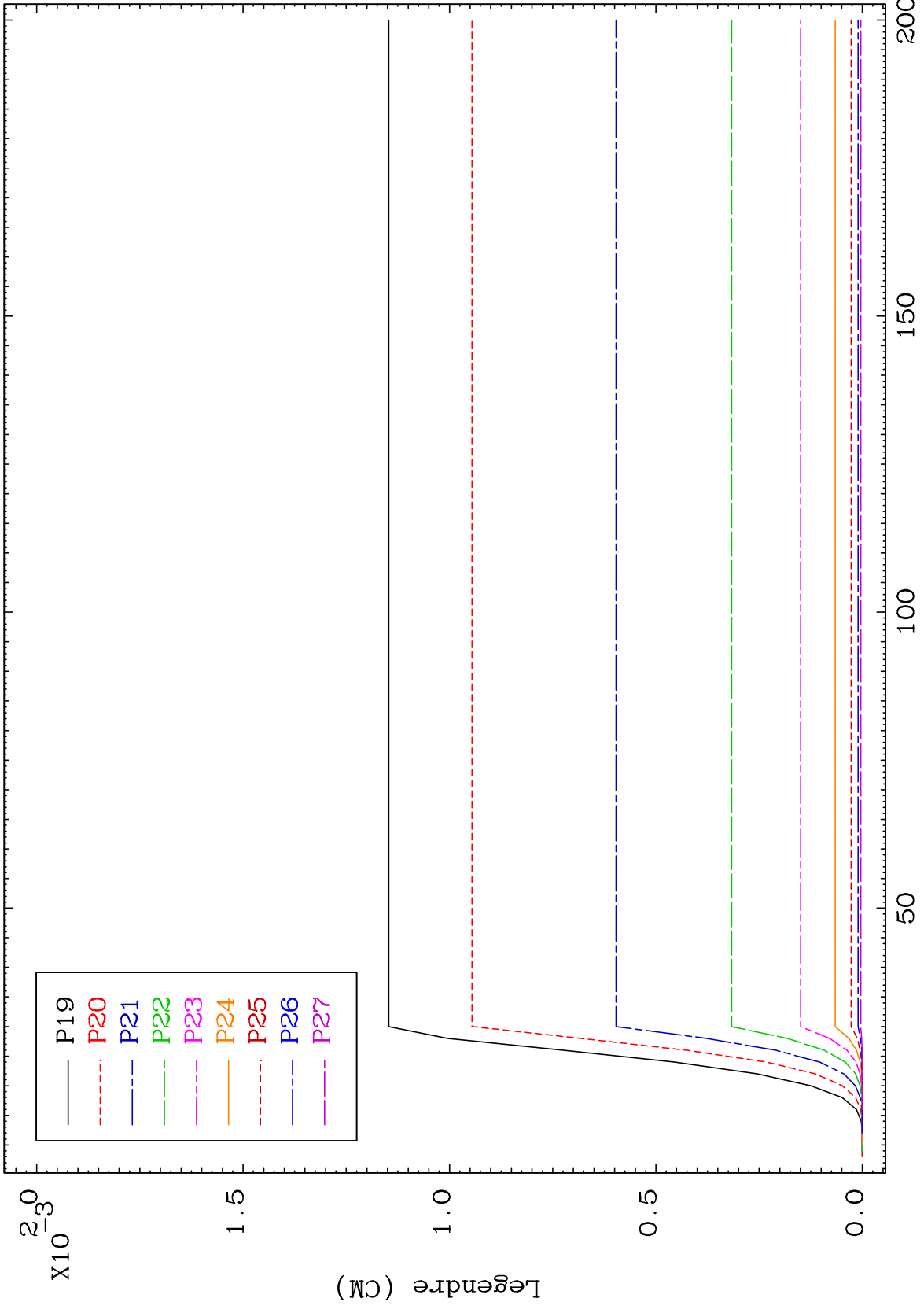
69

50-Sn-125

MAT 5064

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

50-Sn-125

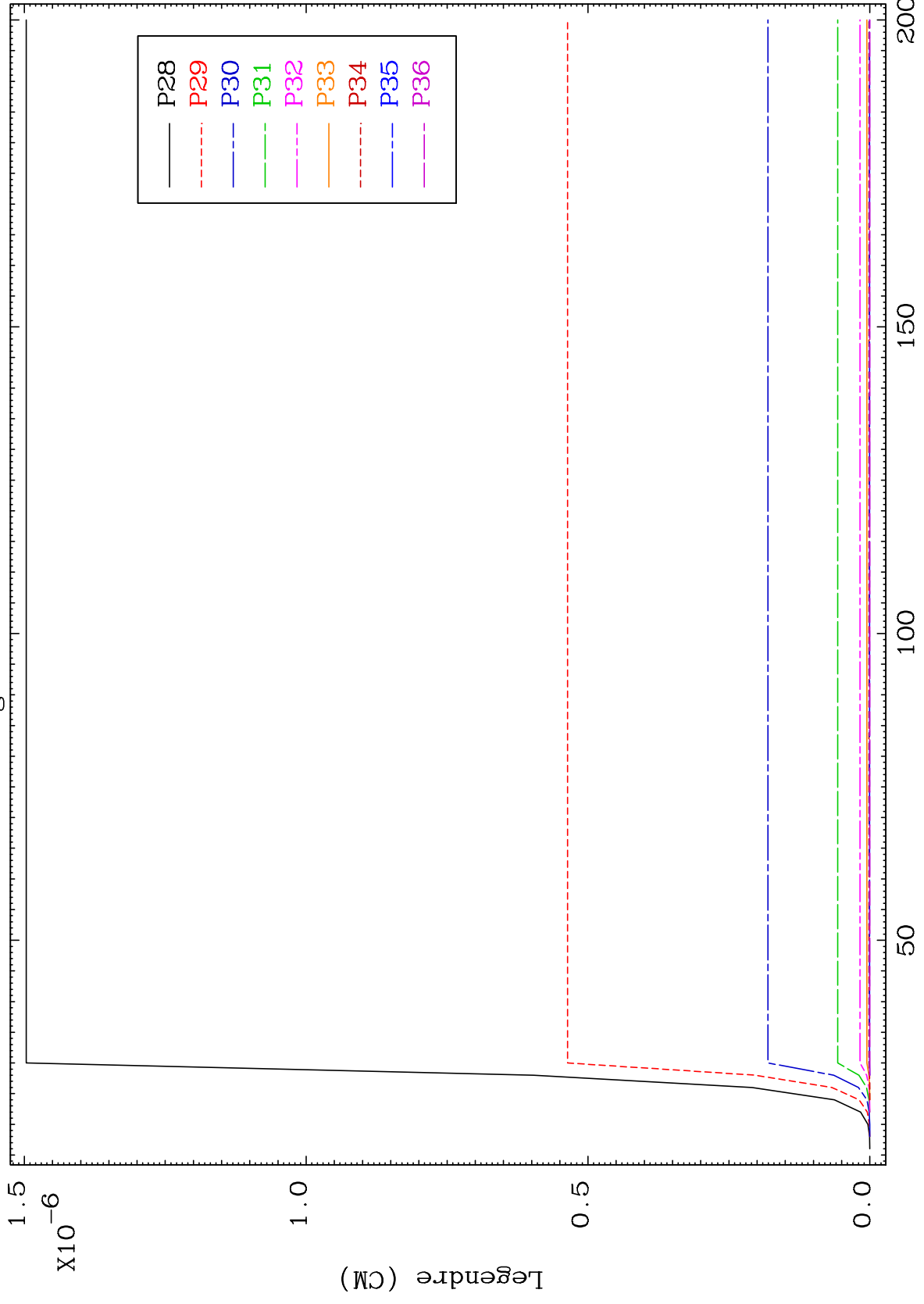


70

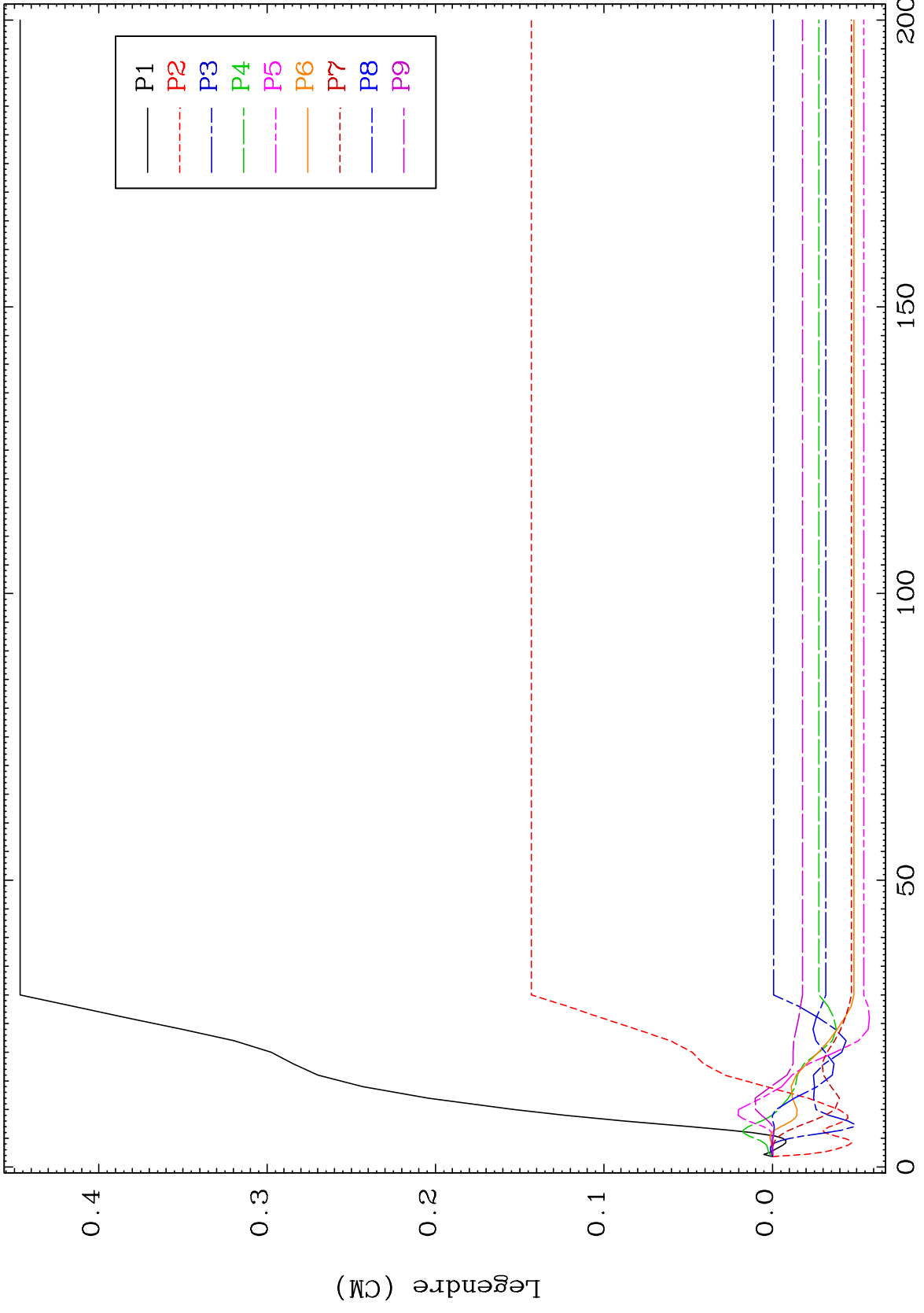
Incident Energy (MeV)

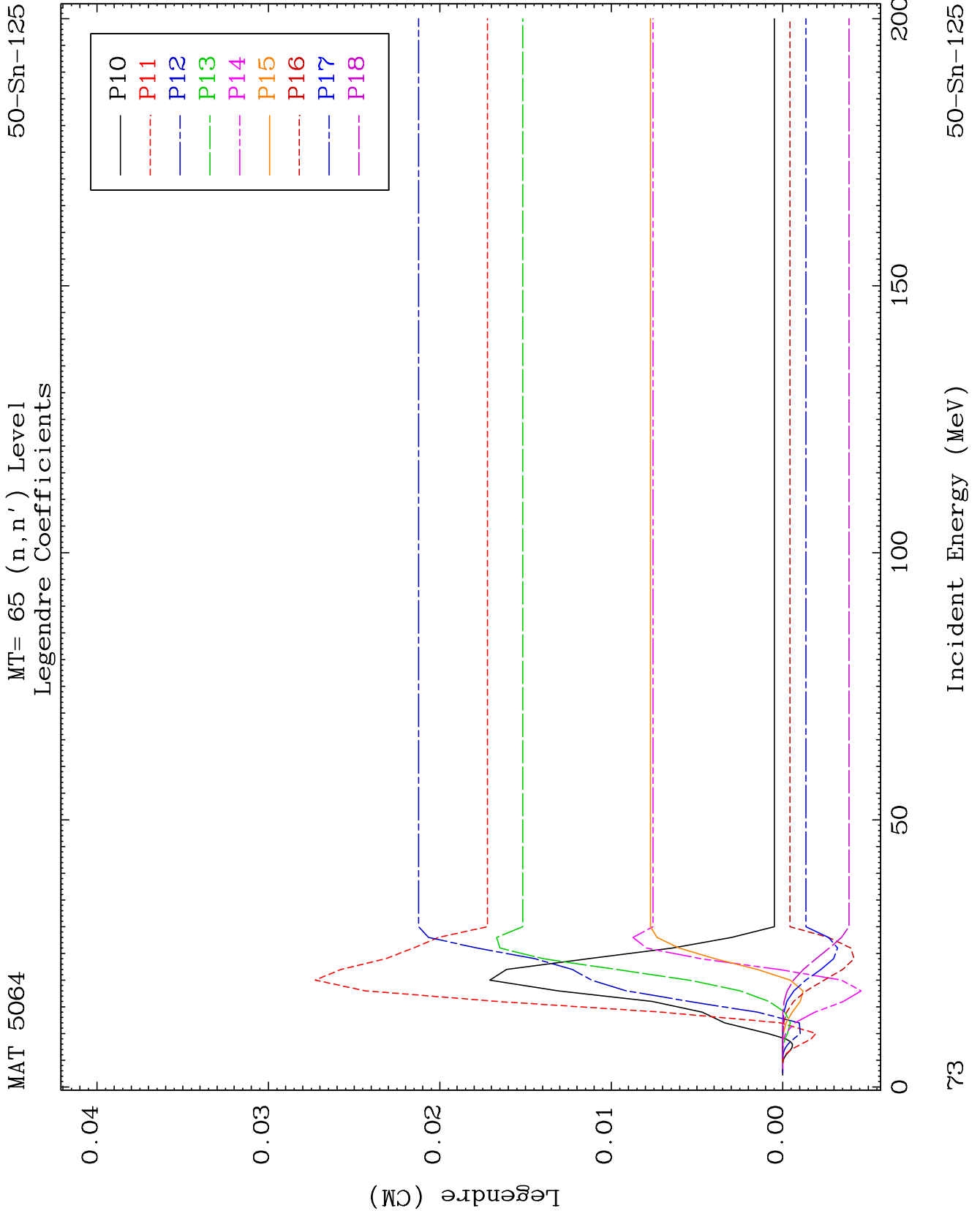
50-Sn-125

MAT 5064 MT= 64 (n,n') Level Legendre Coefficients 50-Sn-125



MAT 5064 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-125

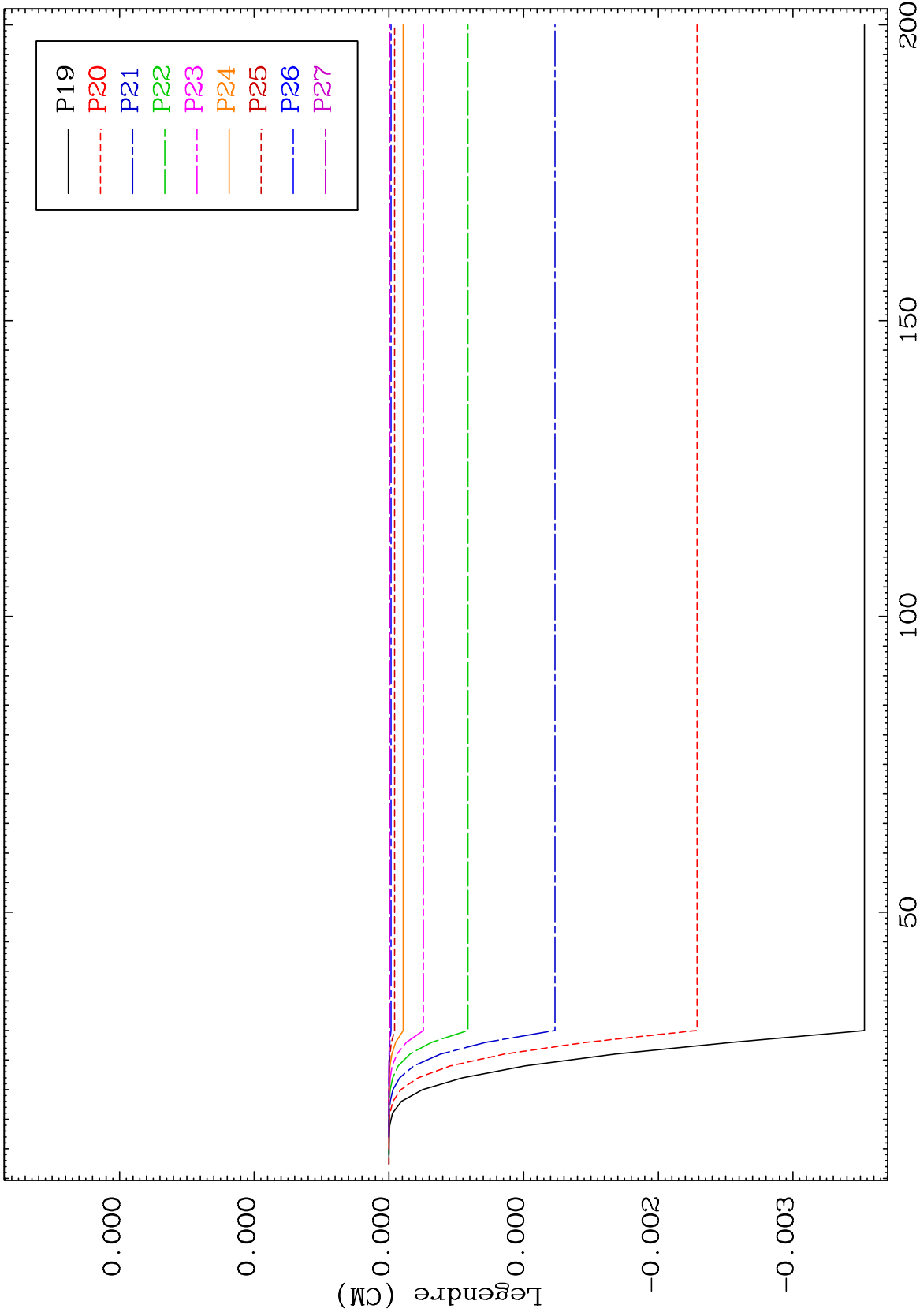




MAT 5064

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

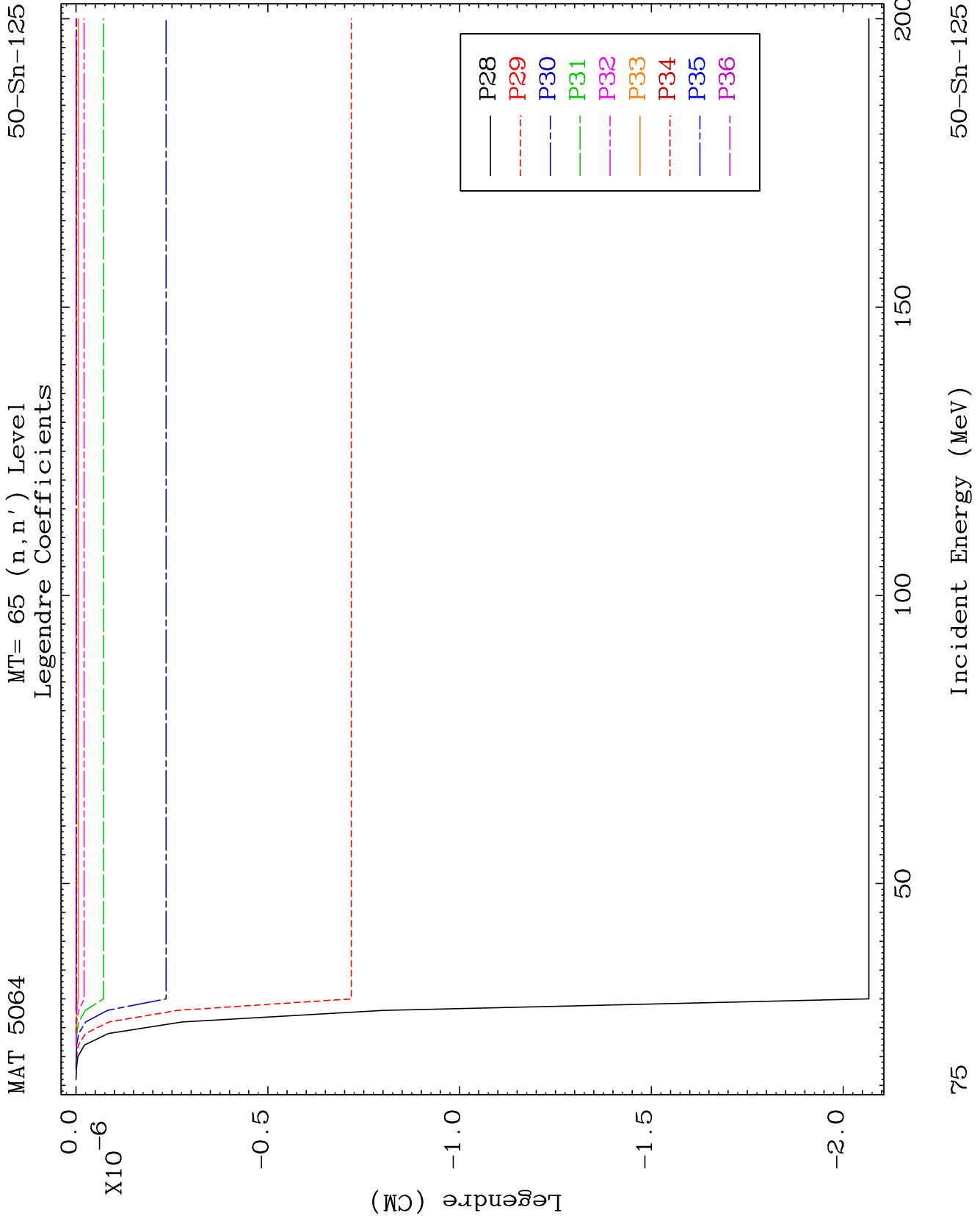
50-Sn-125



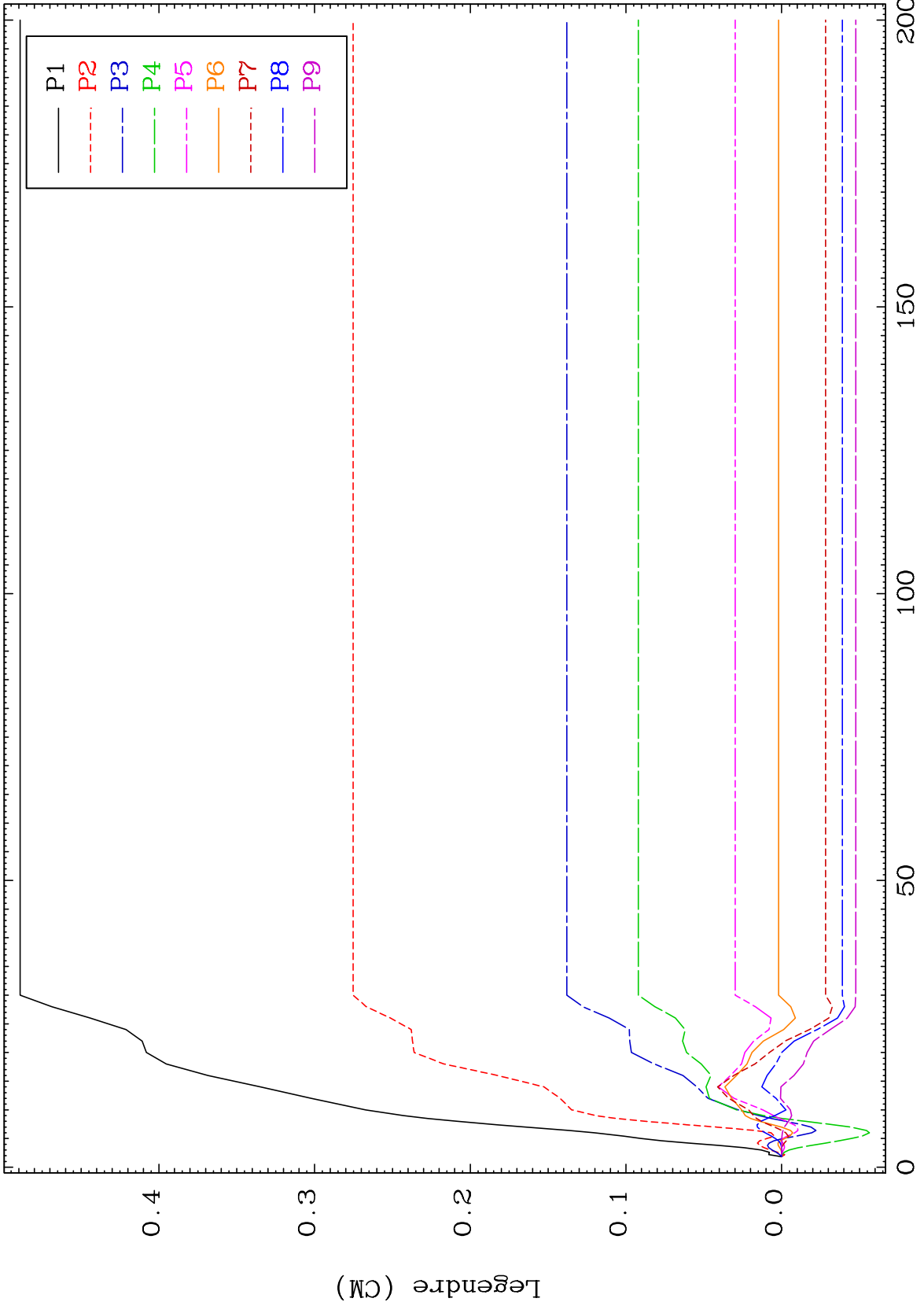
74

Incident Energy (MeV)

50-Sn-125



MAT 5064 MT= 66 (n,n') Level Legendre Coefficients 50-Sn-125

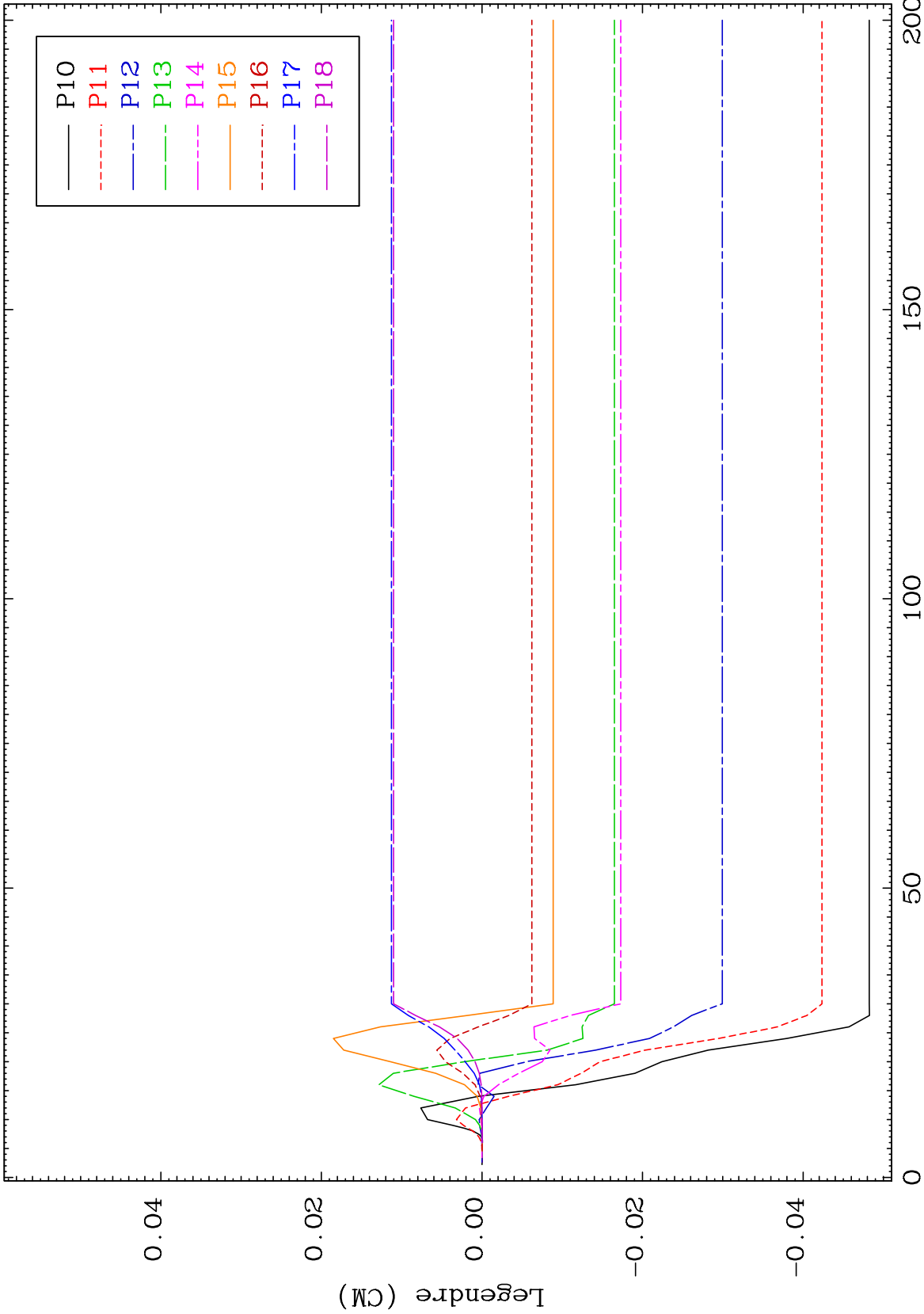


76 Incident Energy (MeV) 50-Sn-125

MAT 5064

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

50-Sn-125



77

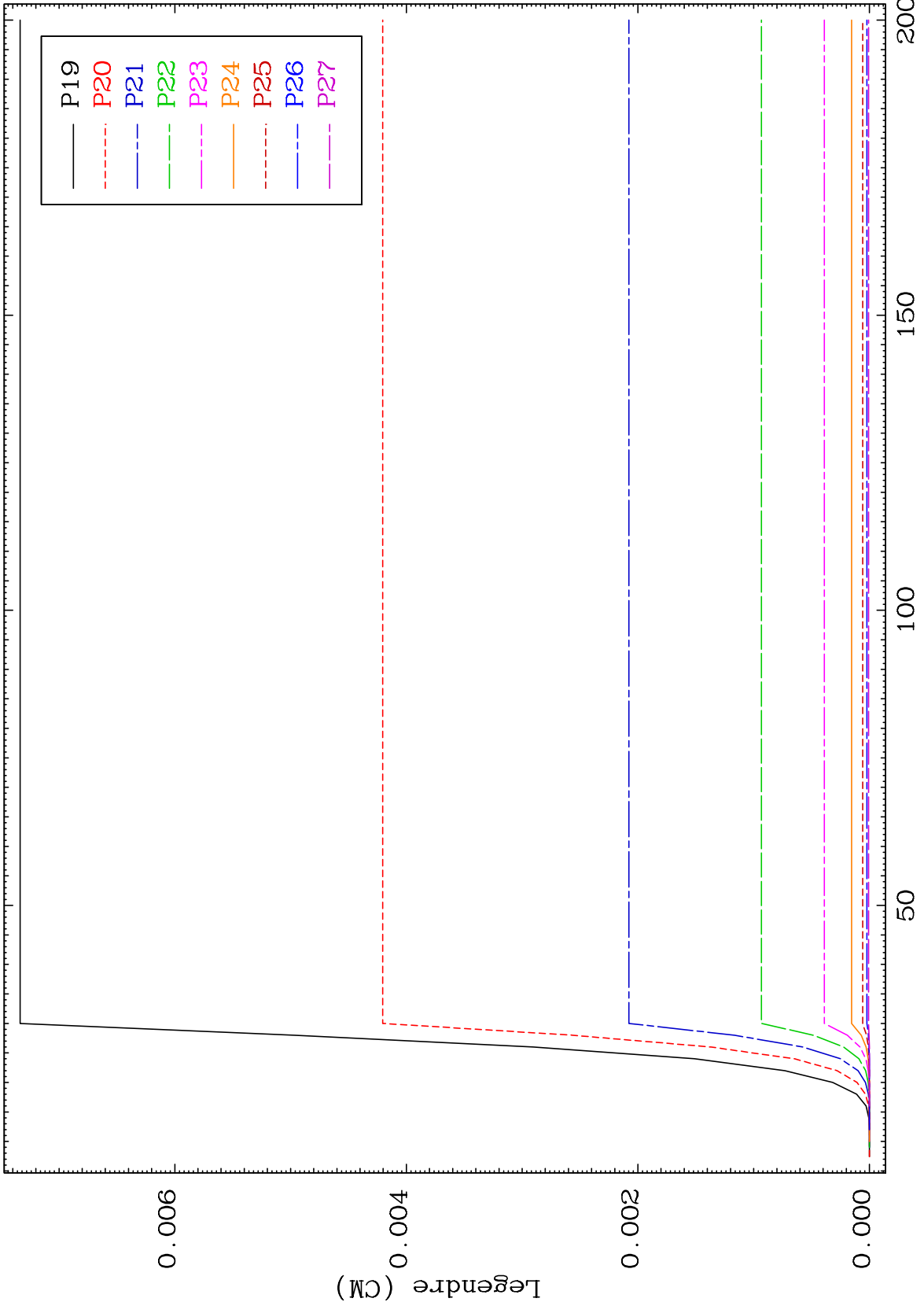
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



78

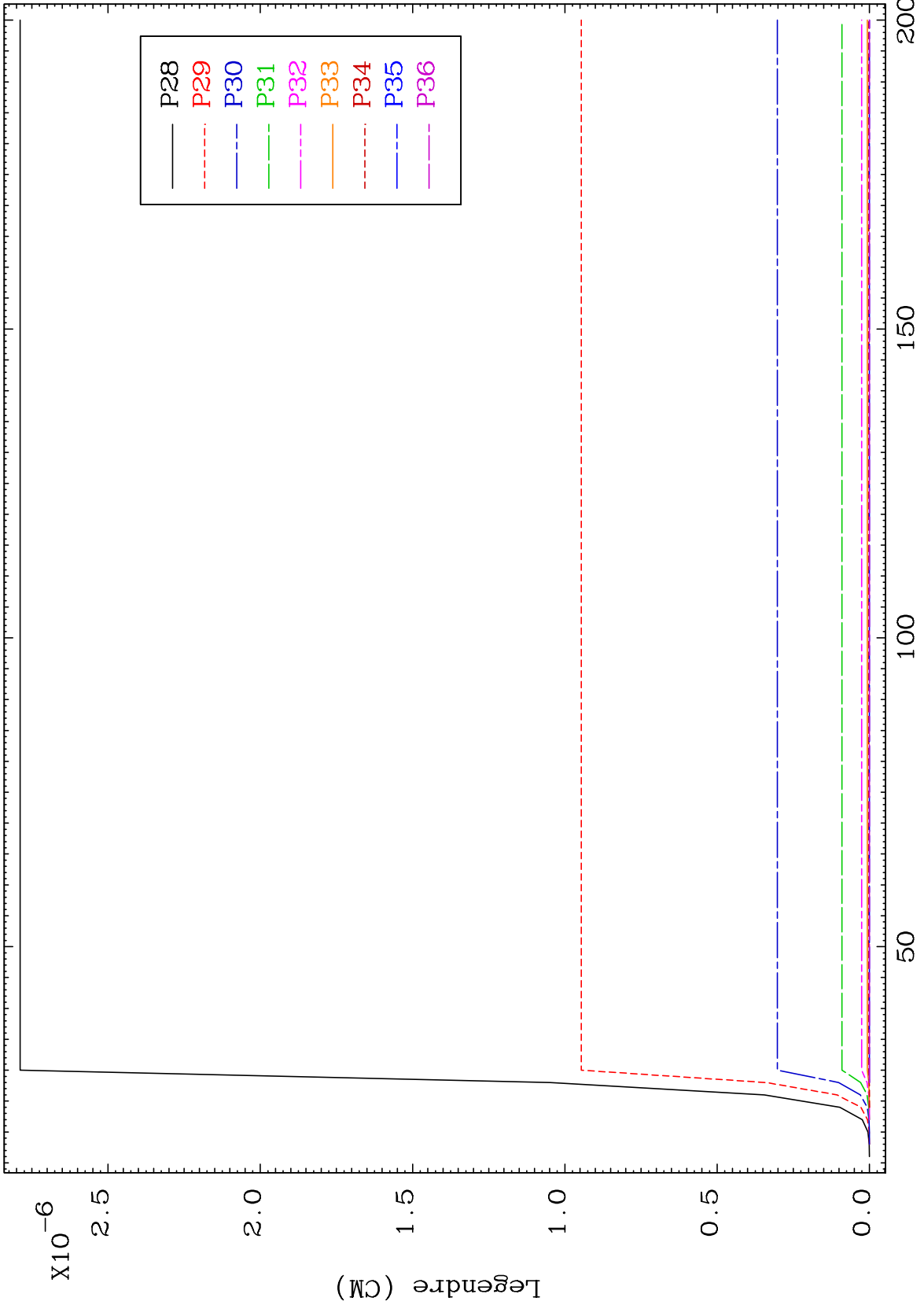
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

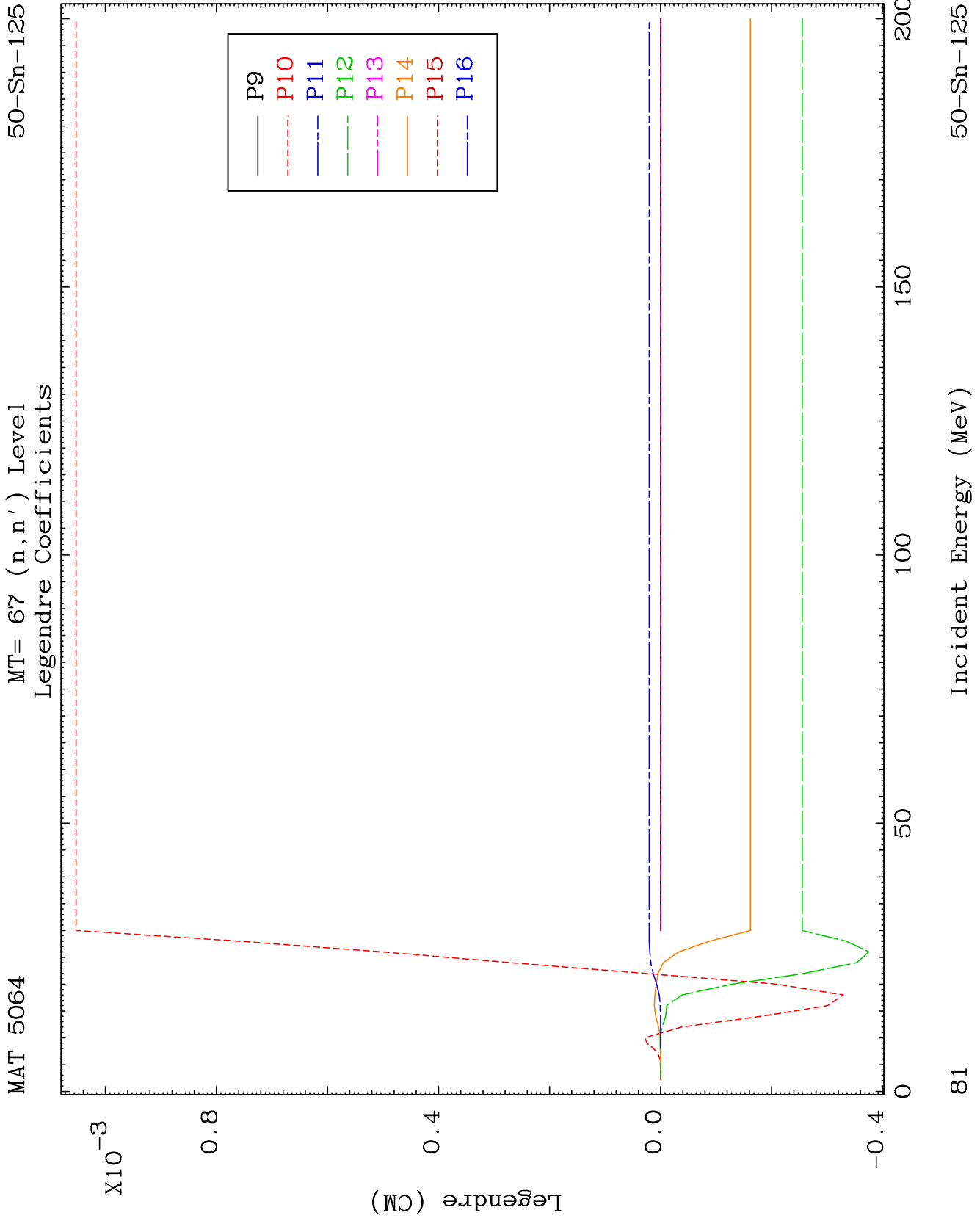
50-Sn-125



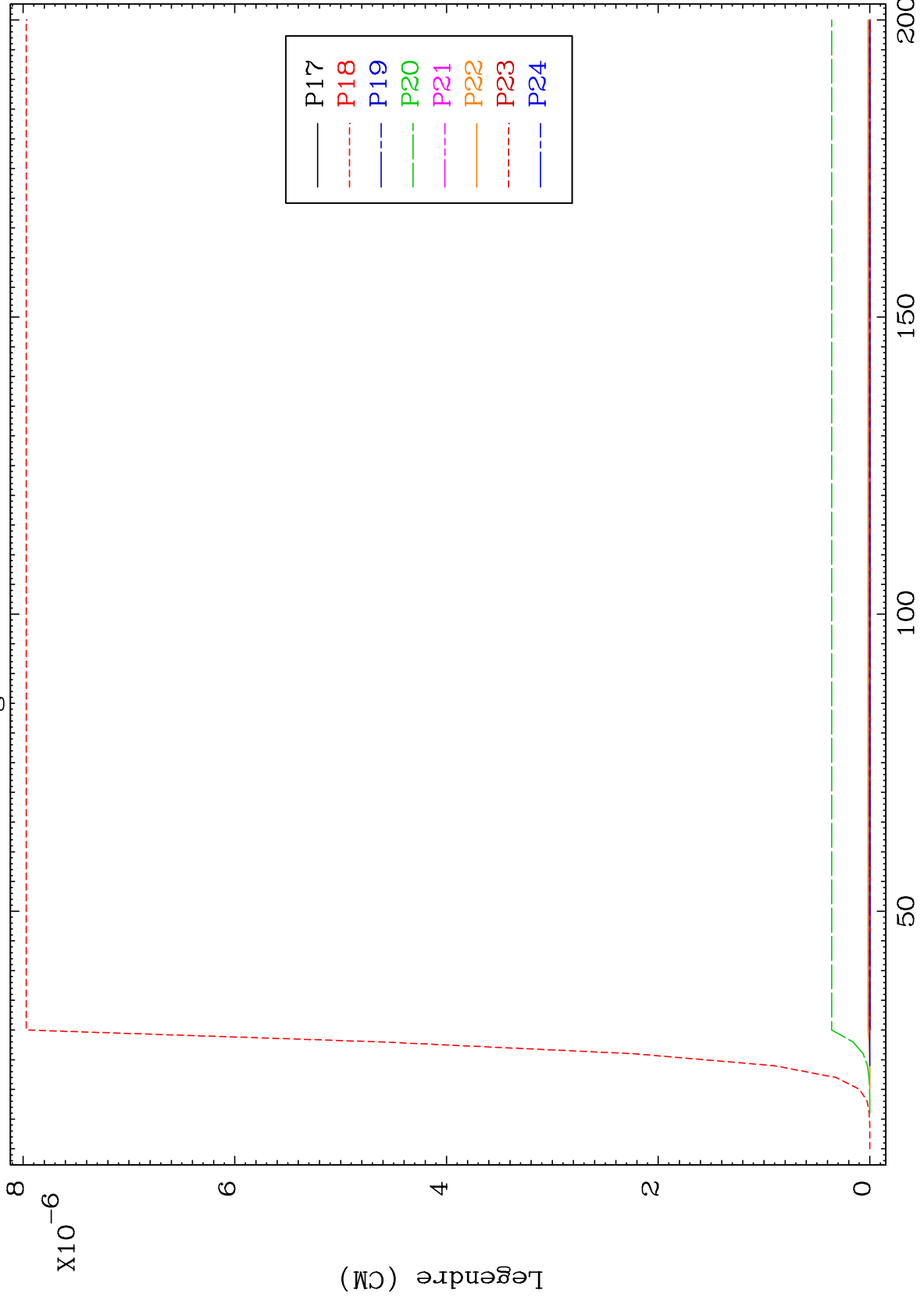
79

Incident Energy (MeV)

50-Sn-125



MAT 5064 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-125



82

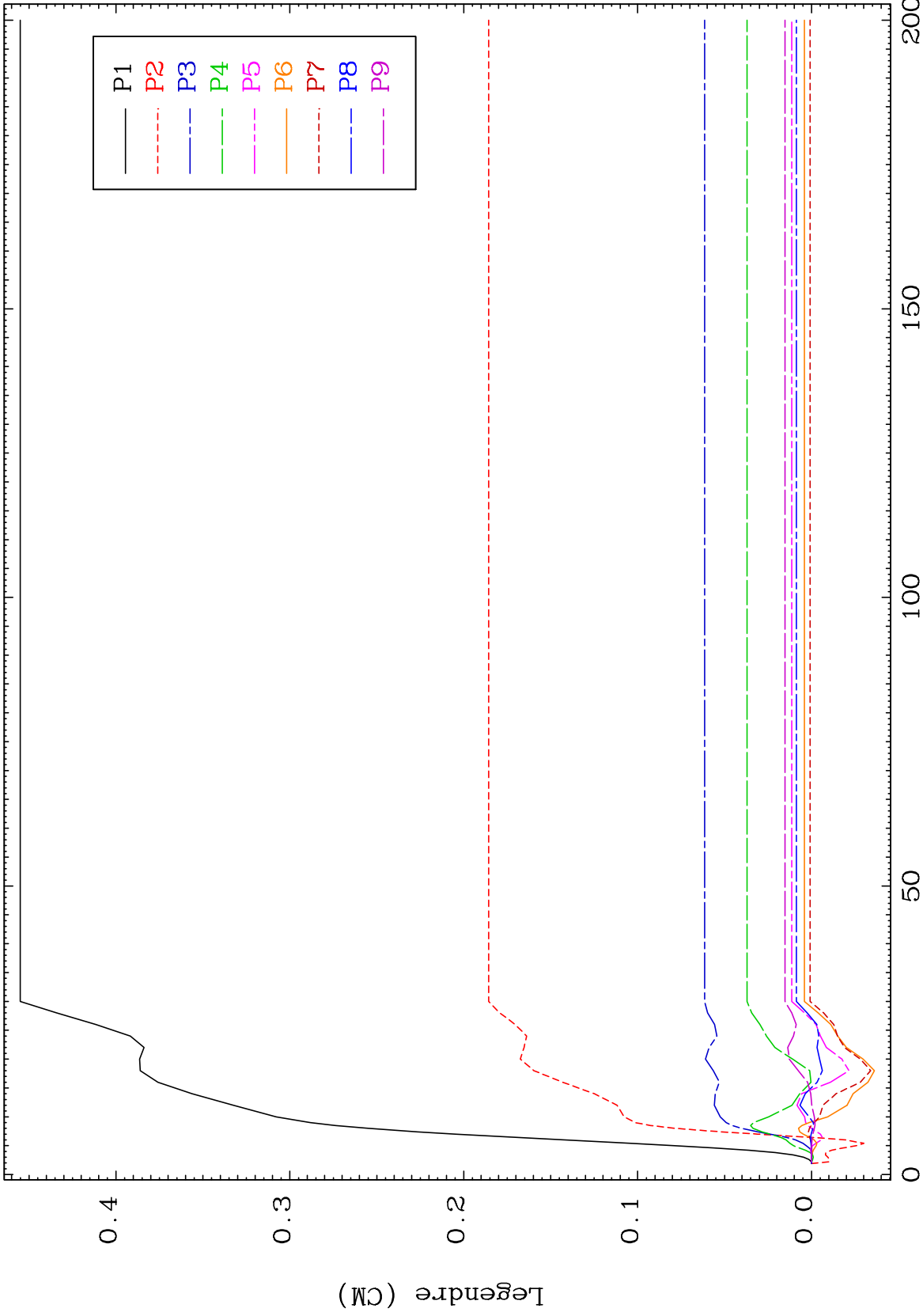
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



83

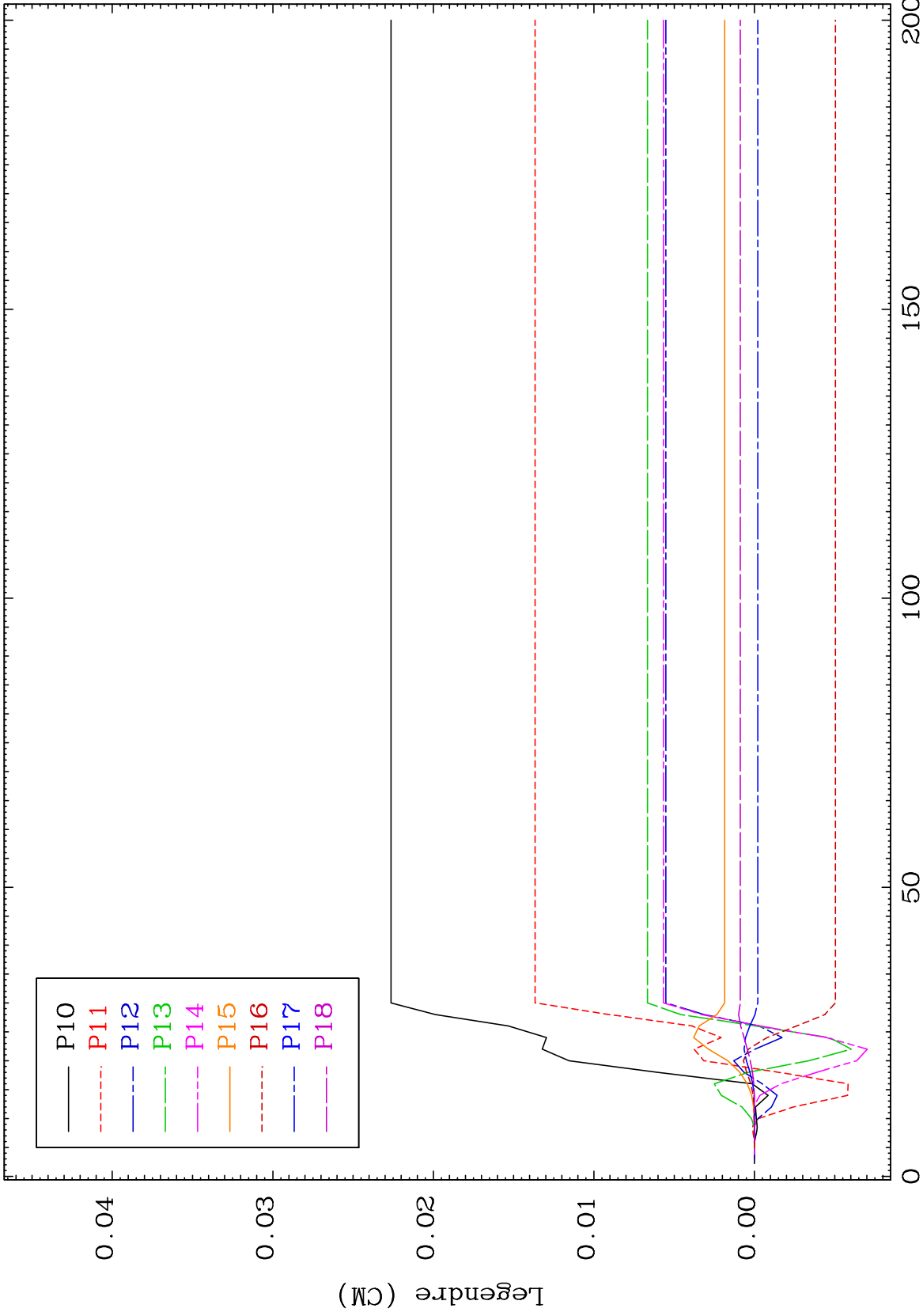
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



84

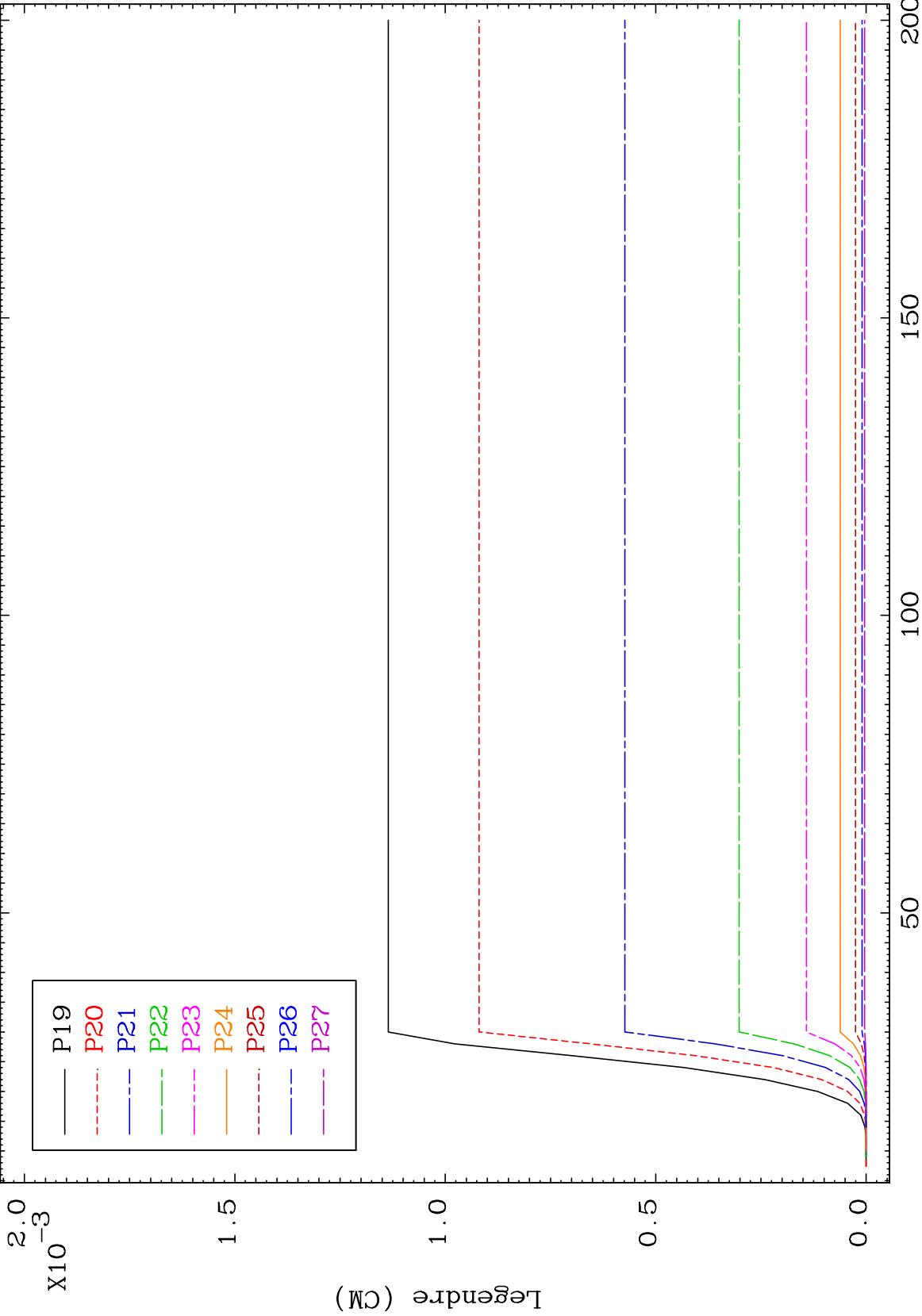
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



85

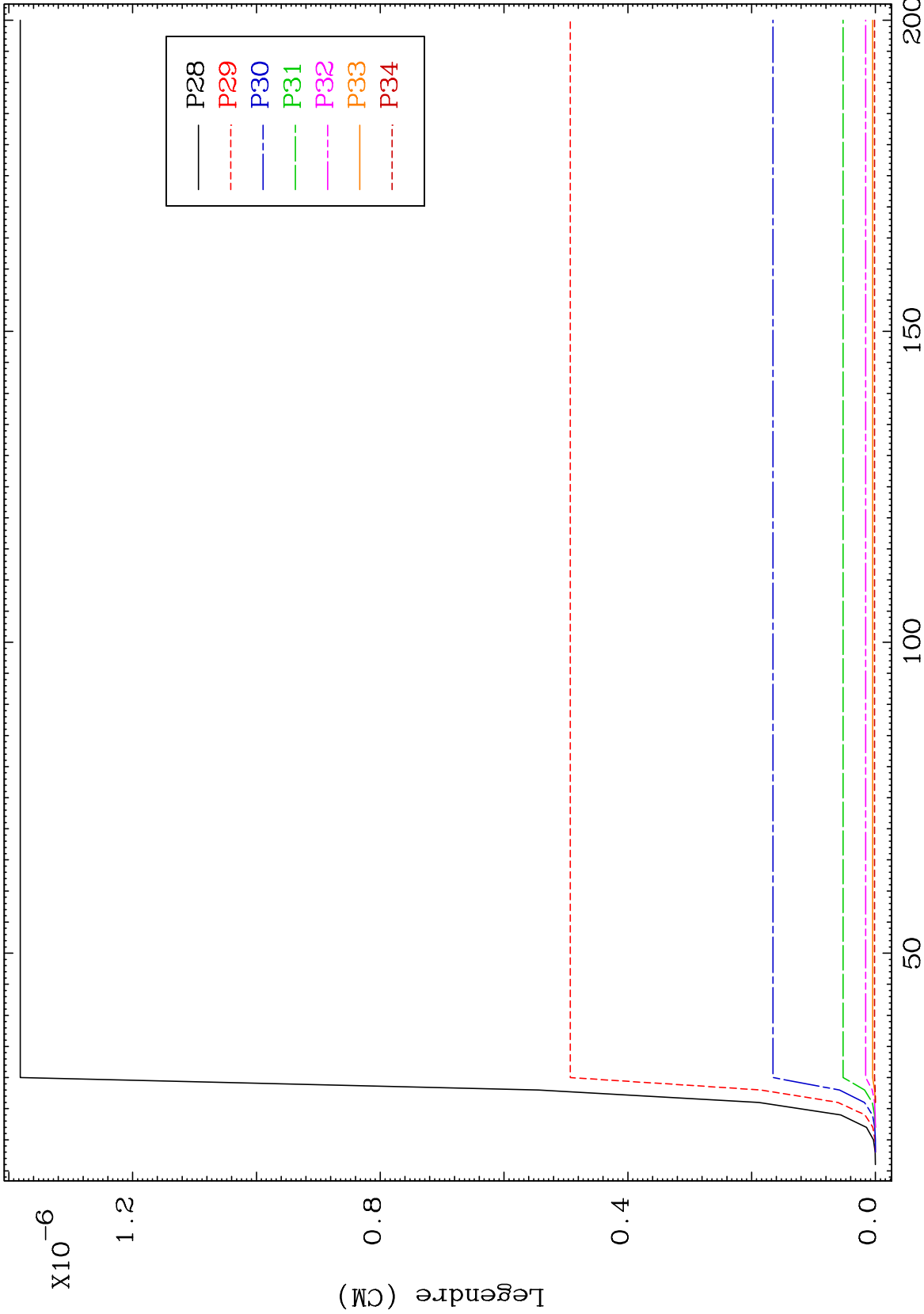
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



86

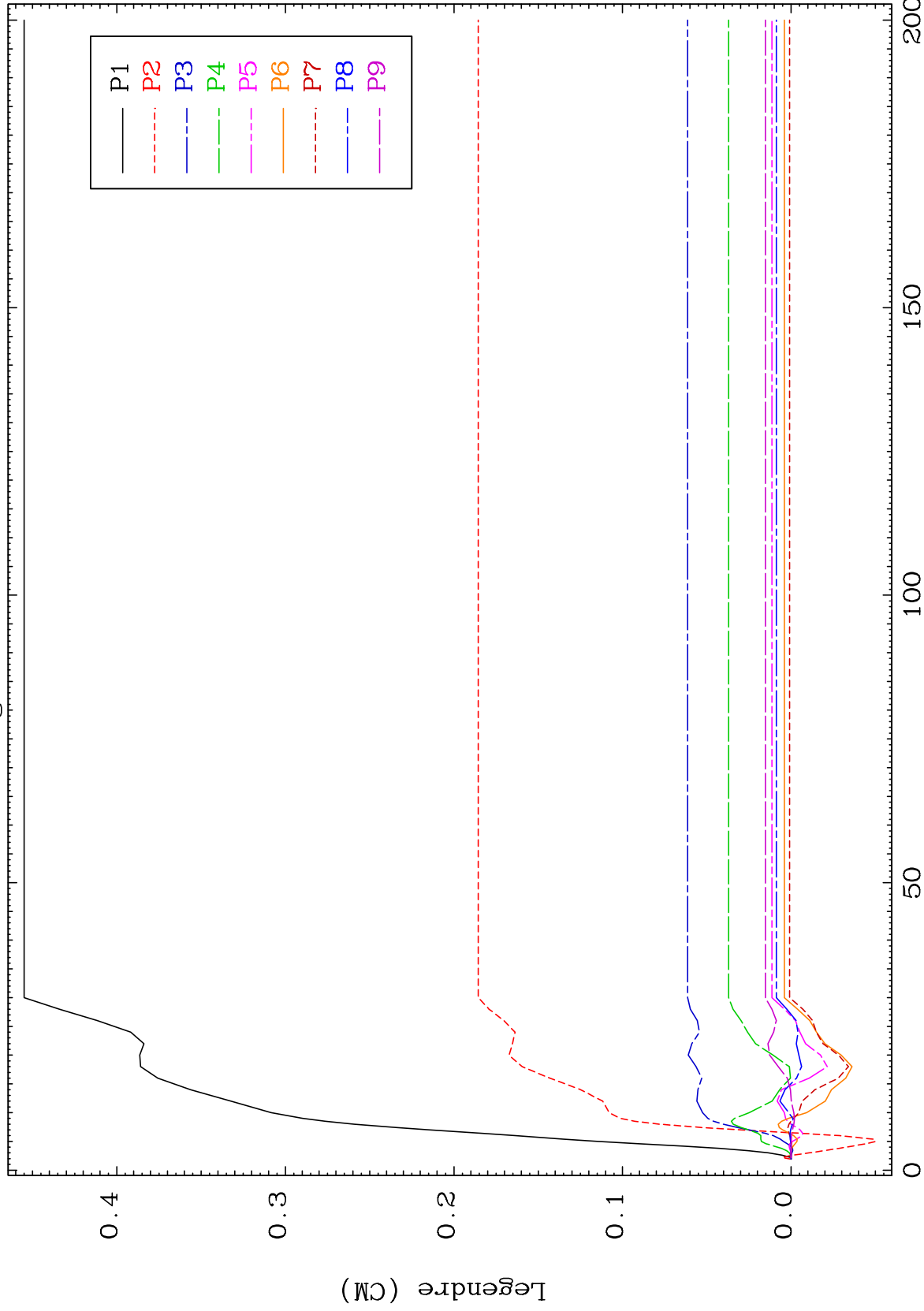
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

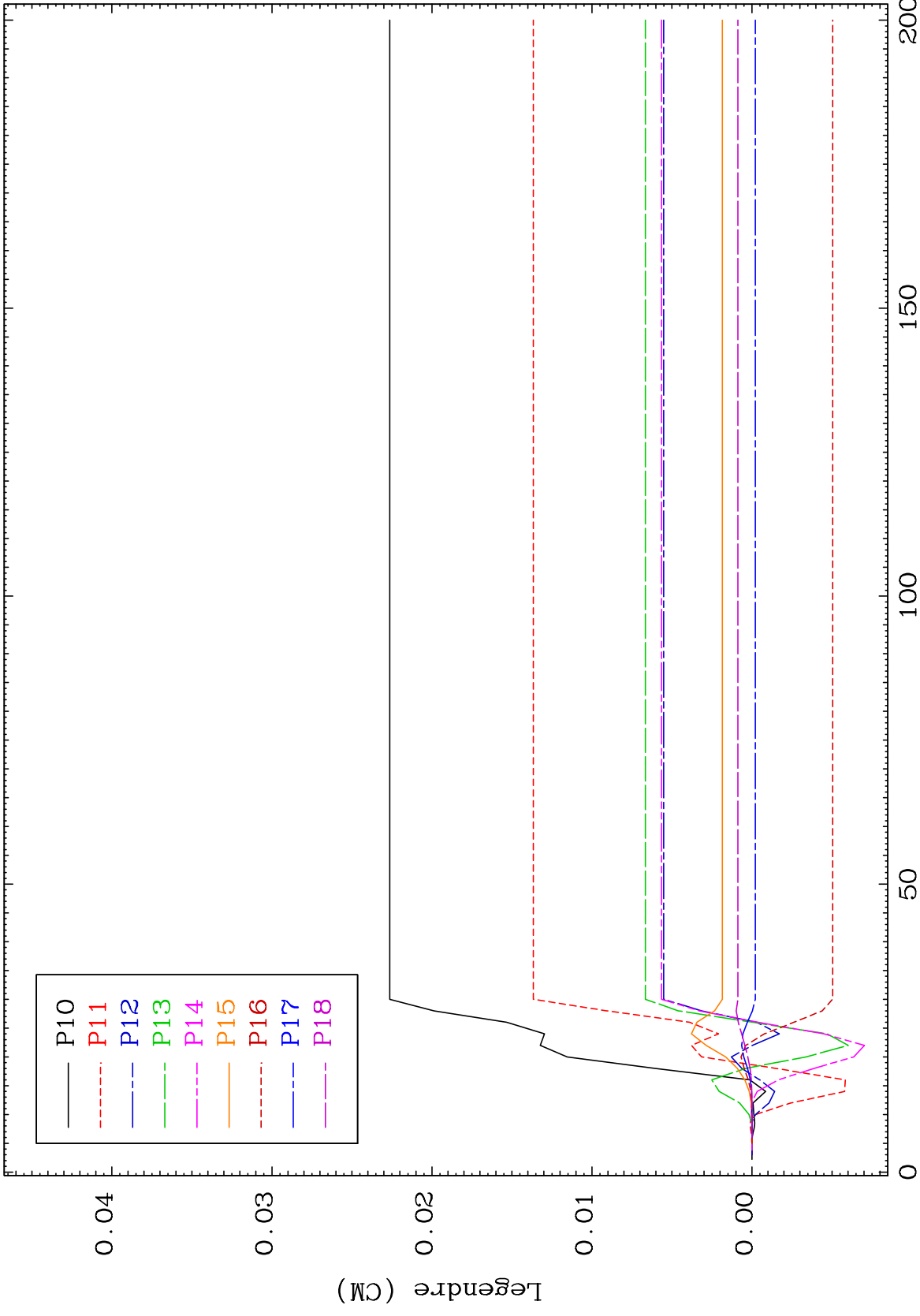
50-Sn-125



MAT 5064

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

50-Sn-125



88

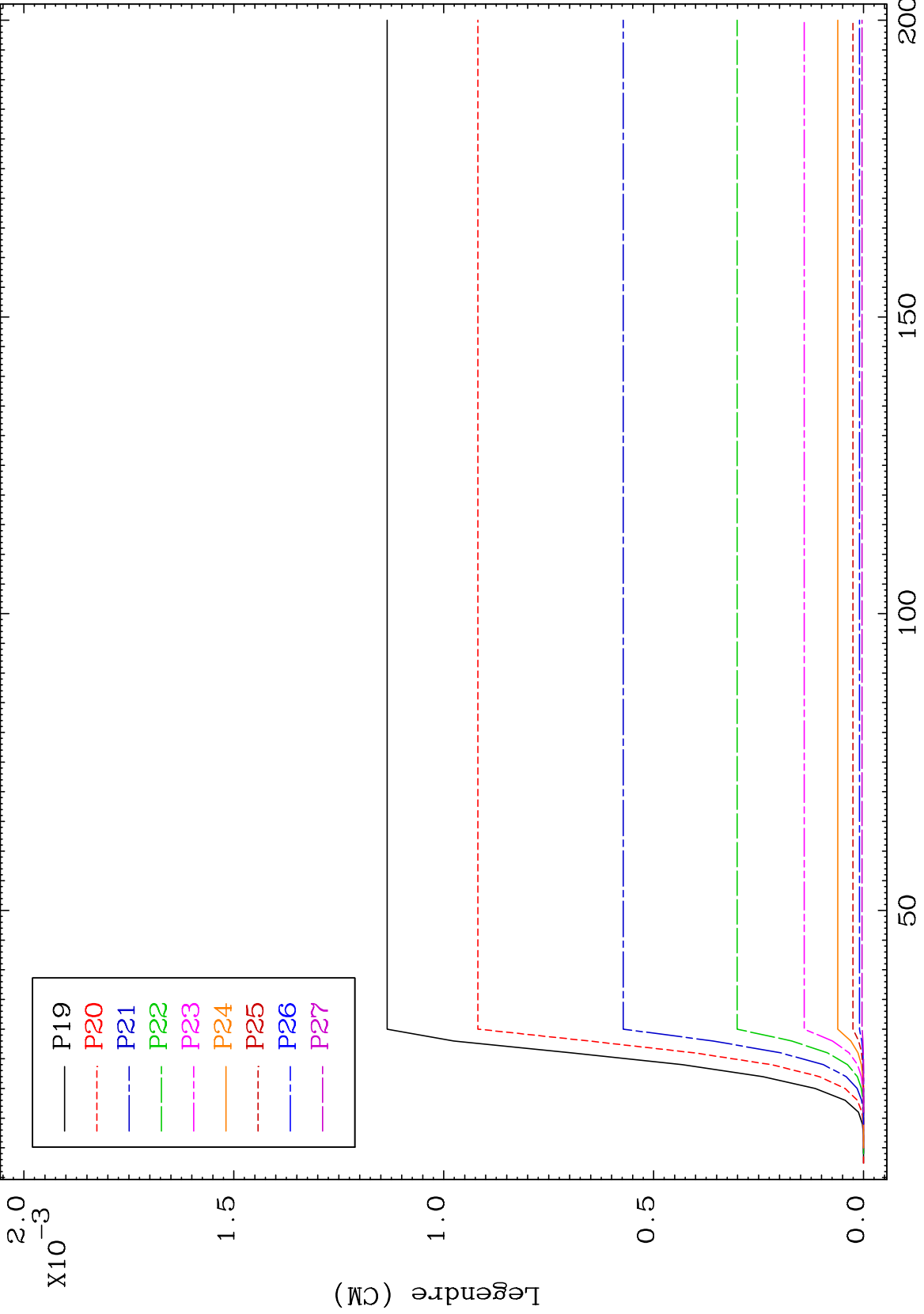
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

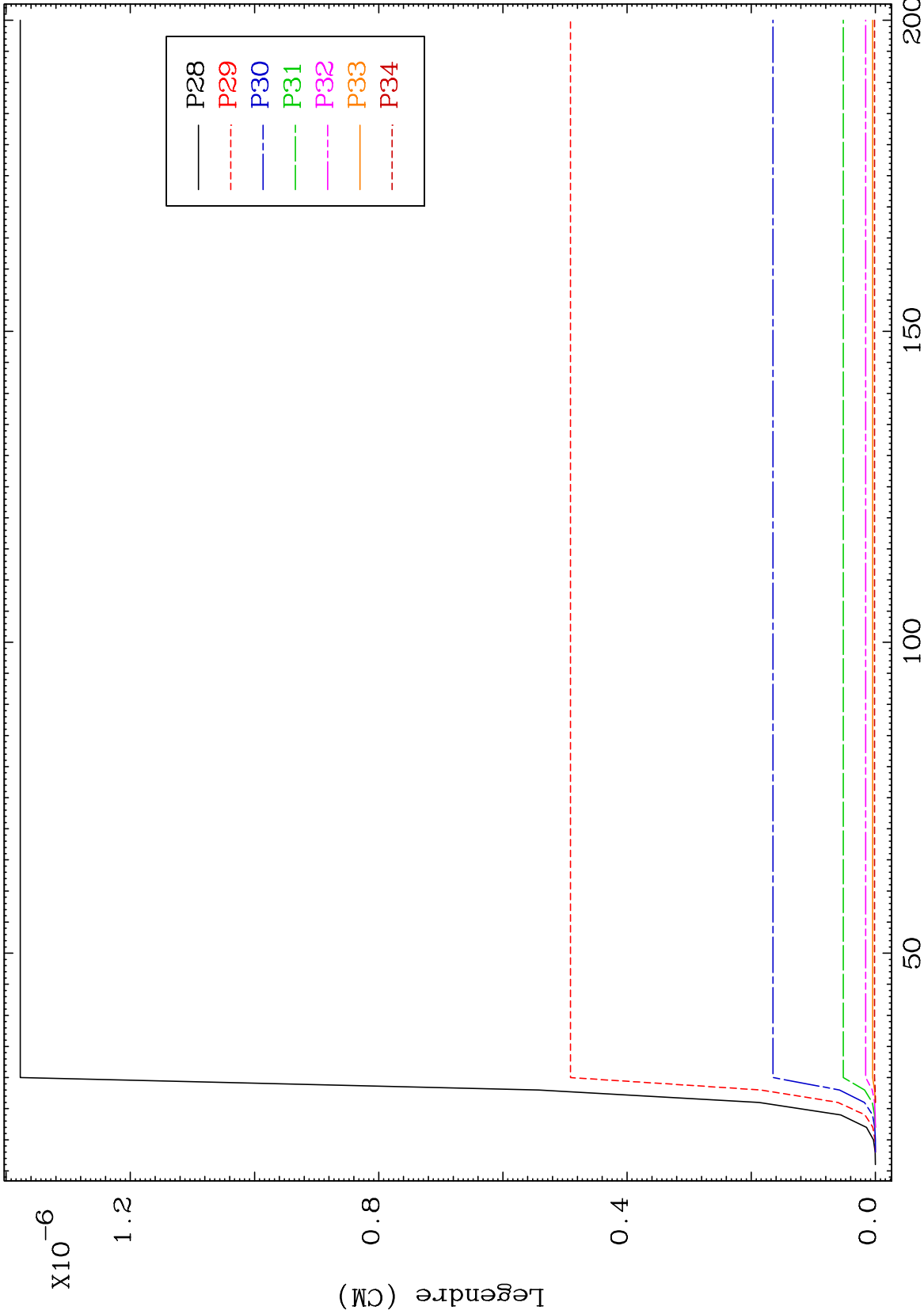
50-Sn-125



MAT 5064

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

50-Sn-125



90

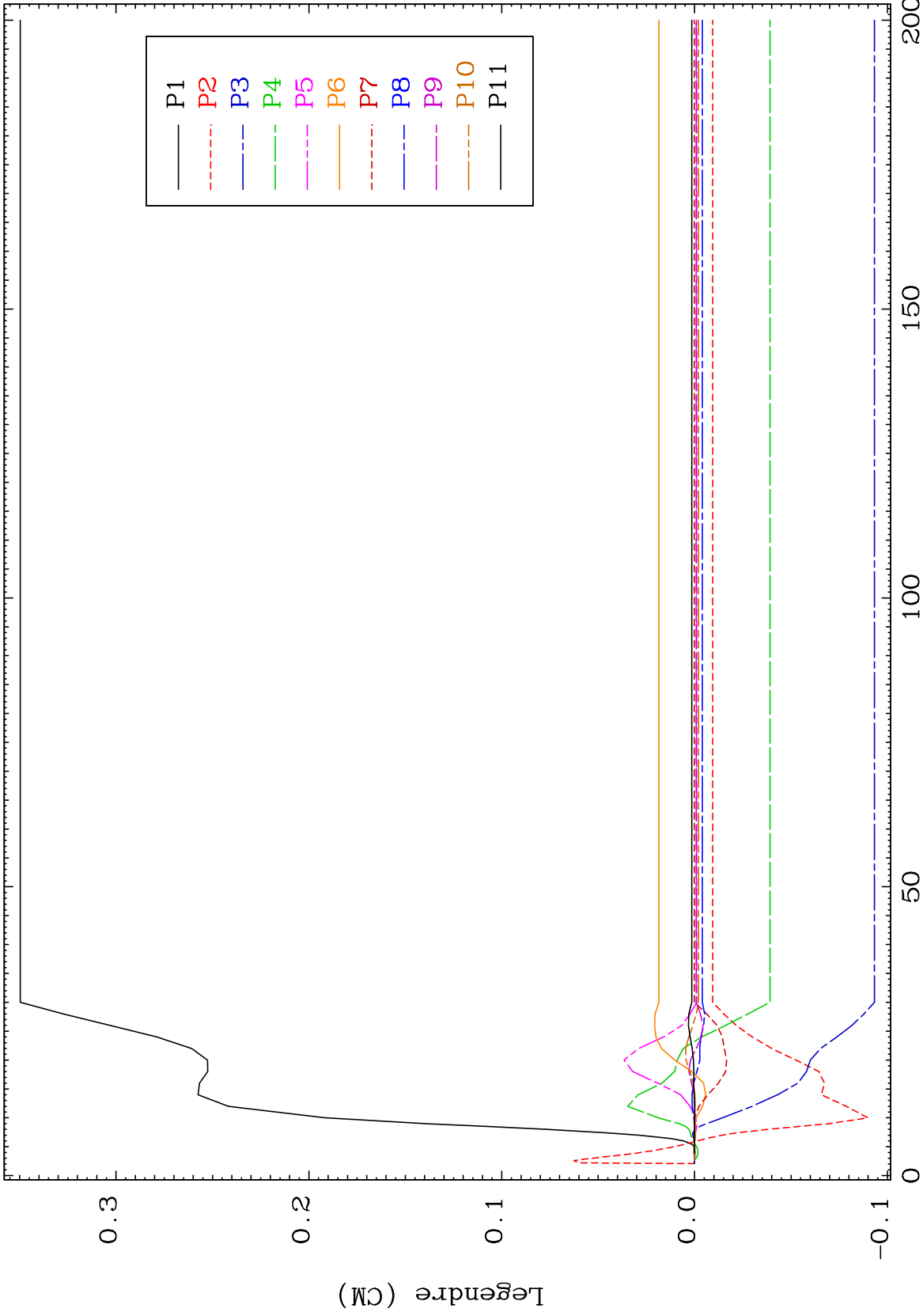
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



91

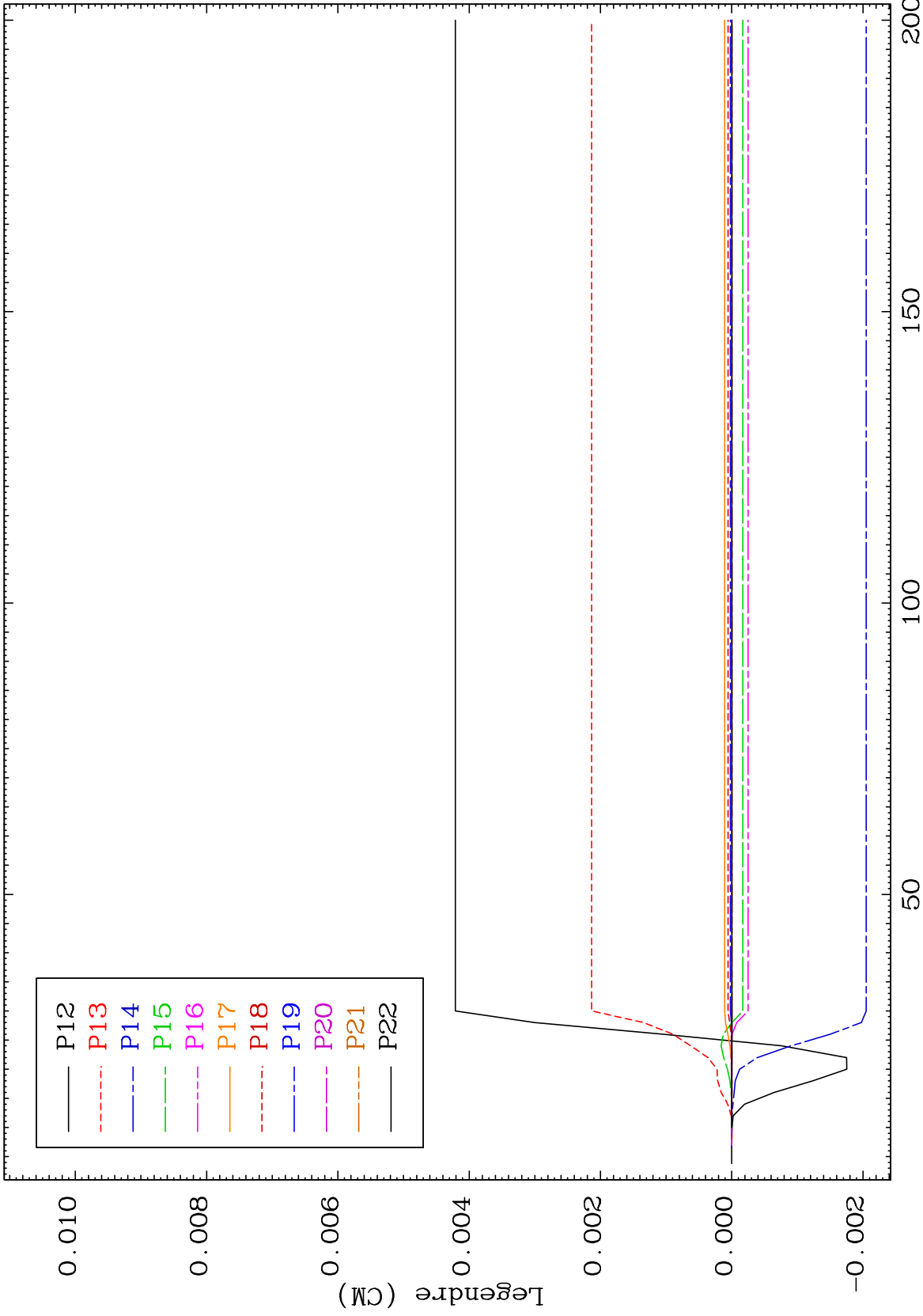
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



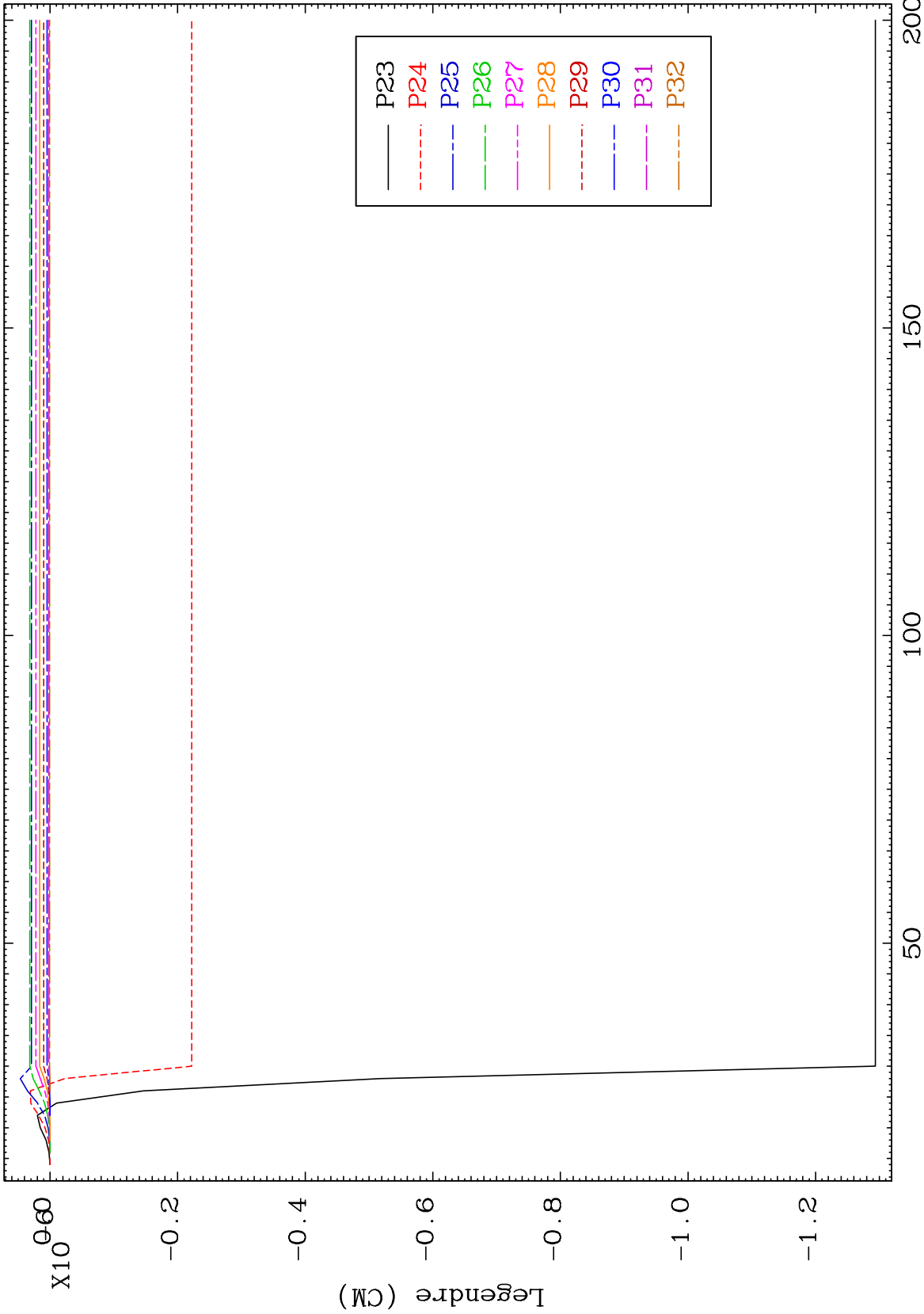
92

50-Sn-125

MAT 5064

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

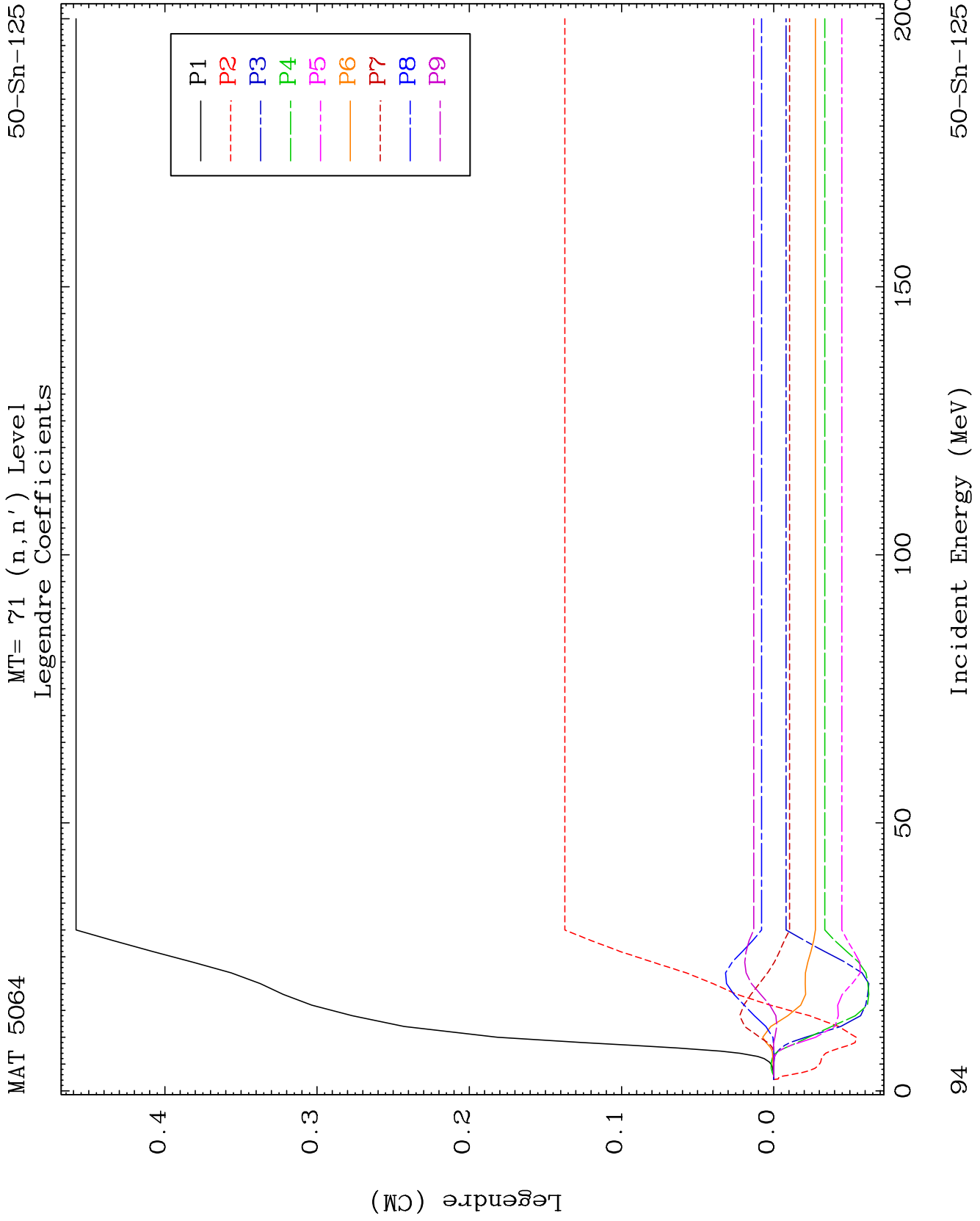
50-Sn-125



93

Incident Energy (MeV)

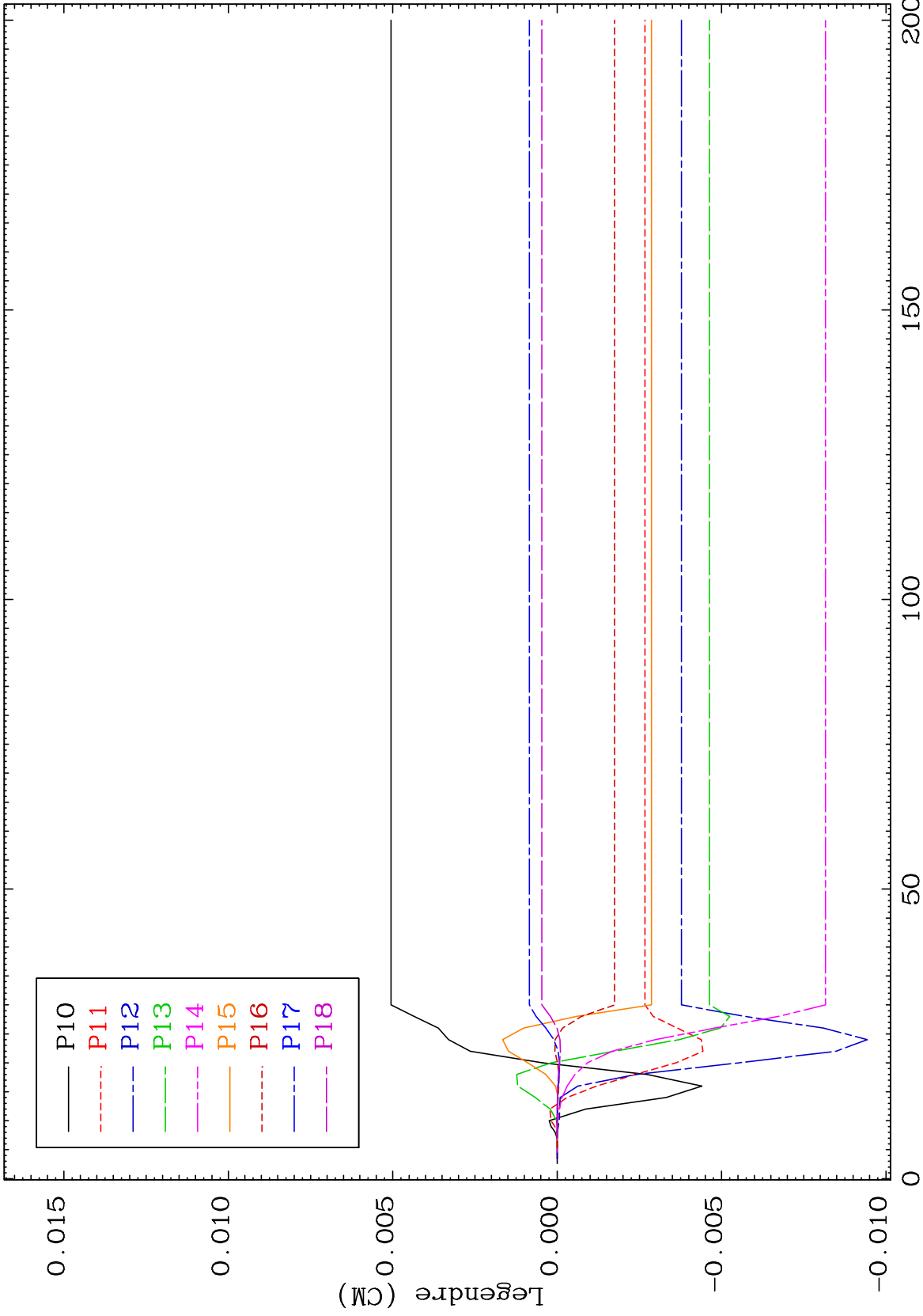
50-Sn-125



MAT 5064

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

50-Sn-125



95

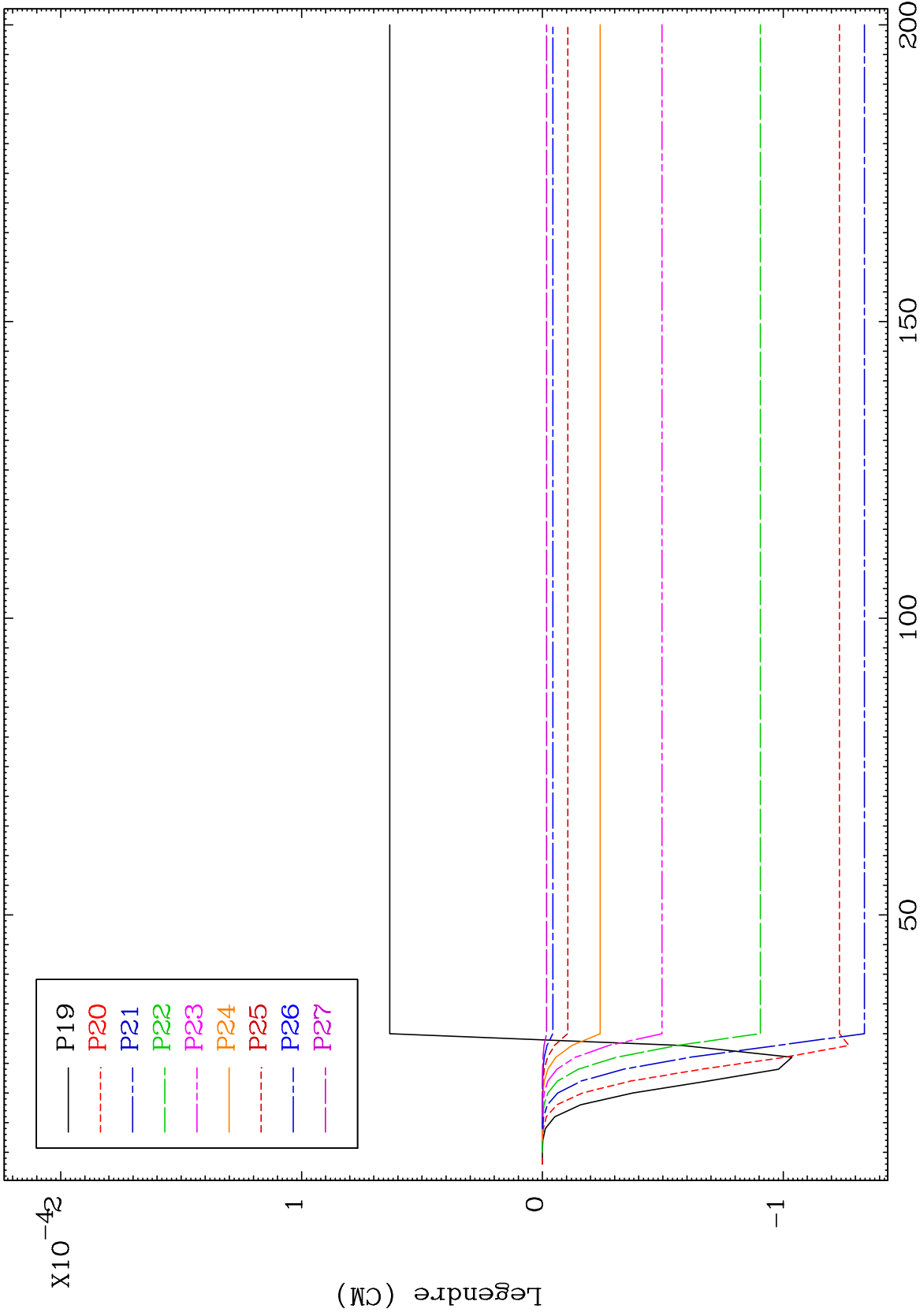
Incident Energy (MeV)

50-Sn-125

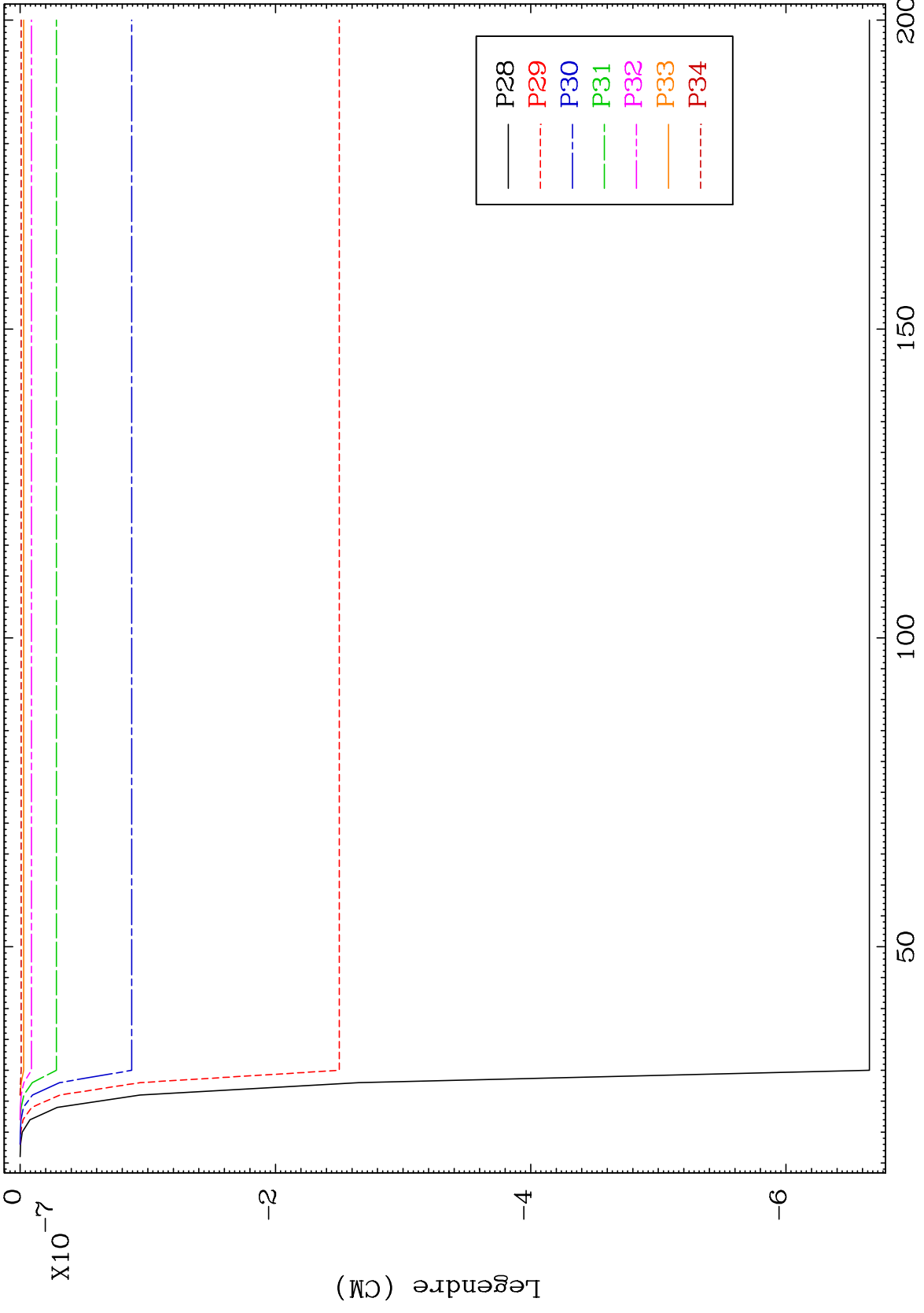
MAT 5064

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

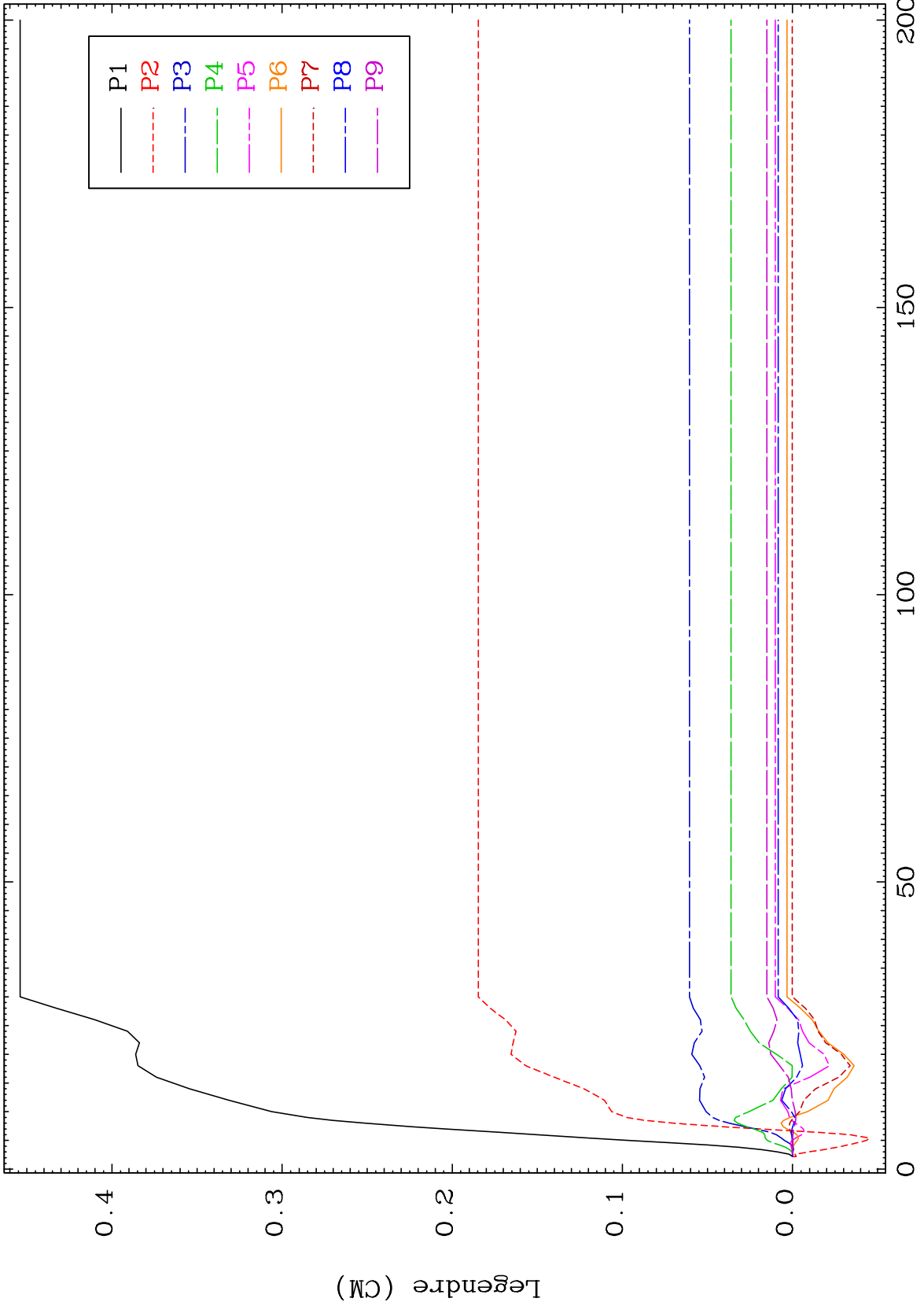
50-Sn-125



MAT 5064 MT= 71 (n,n') Level Legendre Coefficients 50-Sn-125



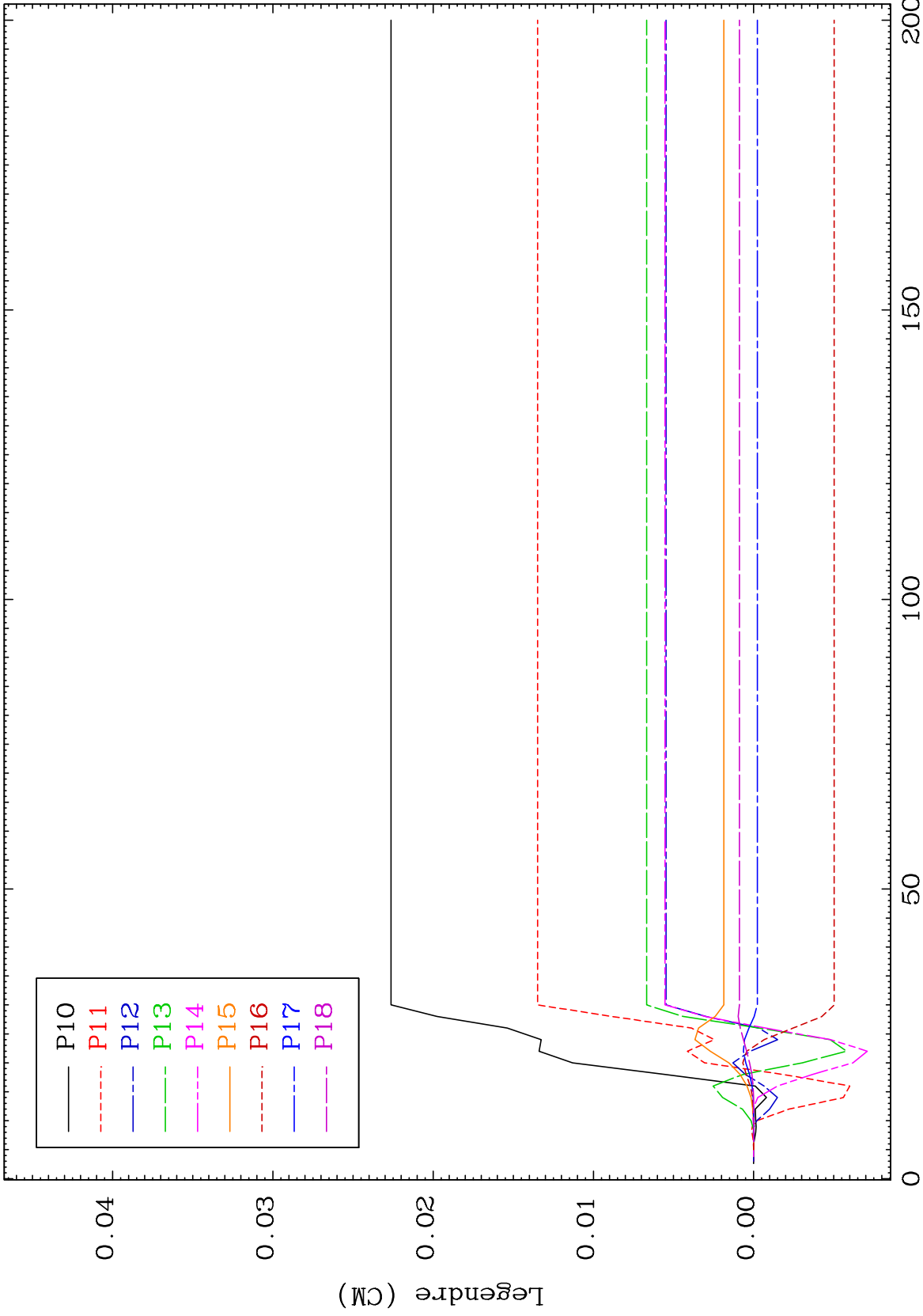
MAT 5064 MT= 72 (n,n') Level Legendre Coefficients 50-Sn-125



MAT 5064

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

50-Sn-125



99

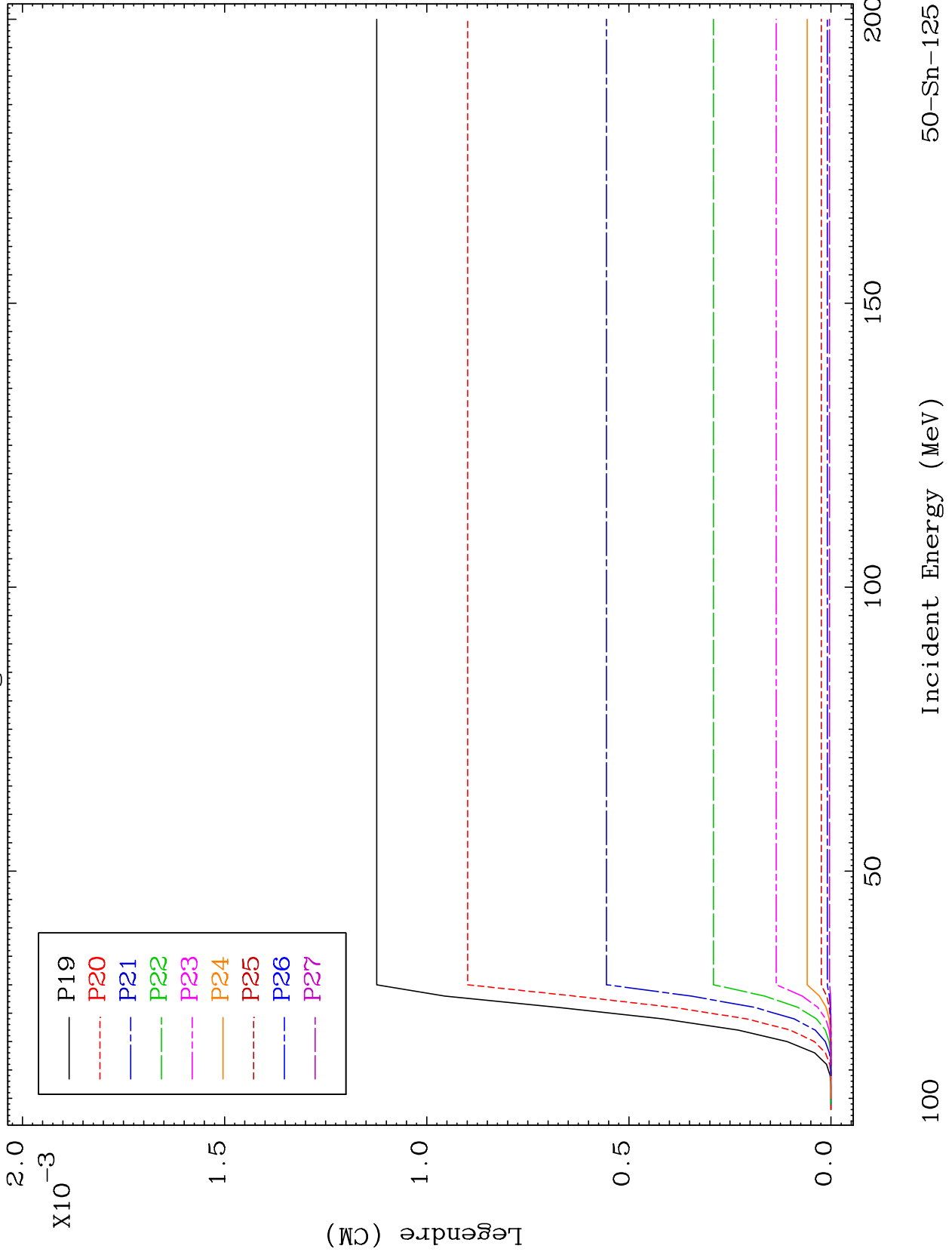
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

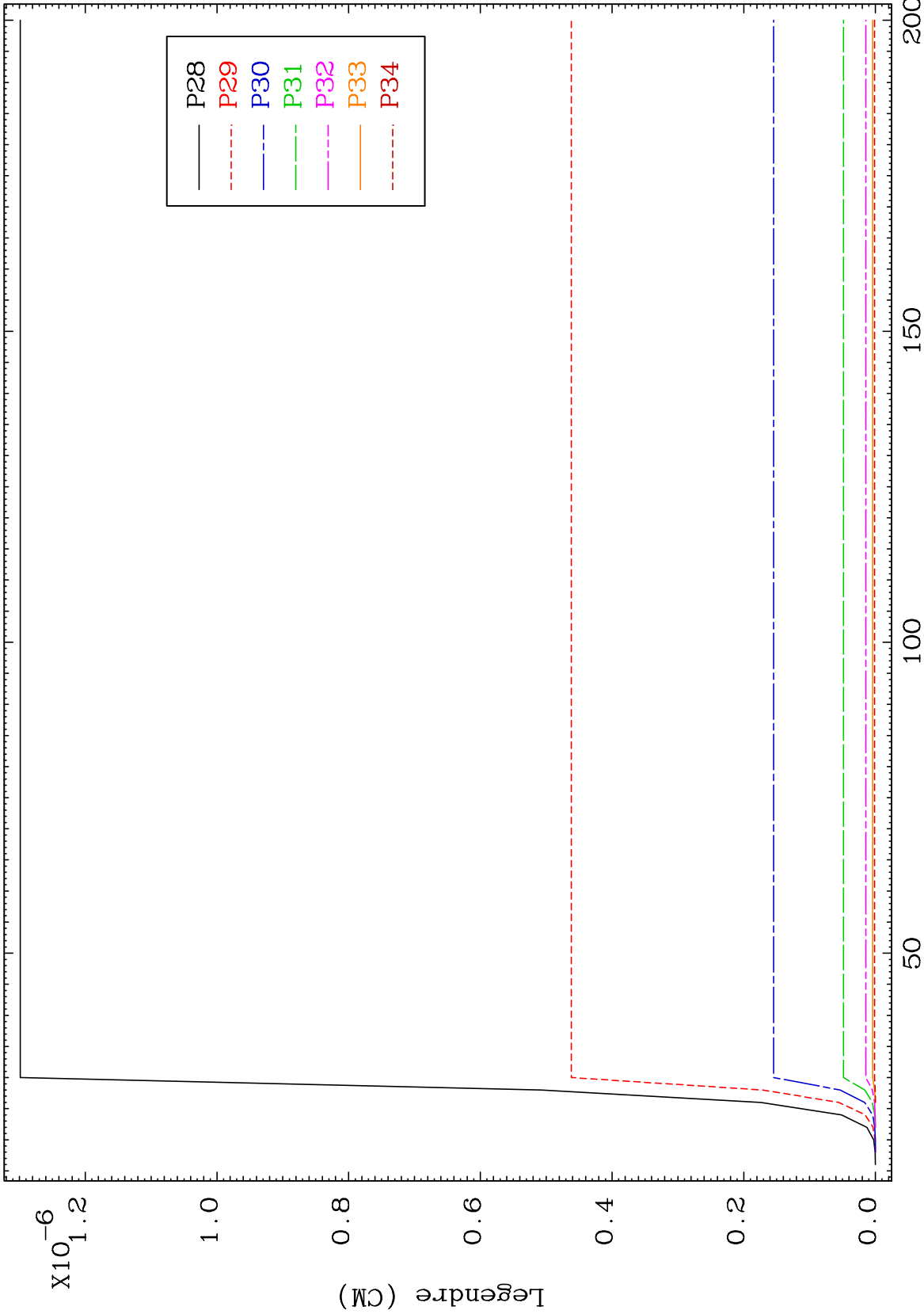
50-Sn-125



MAT 5064

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

50-Sn-125



101

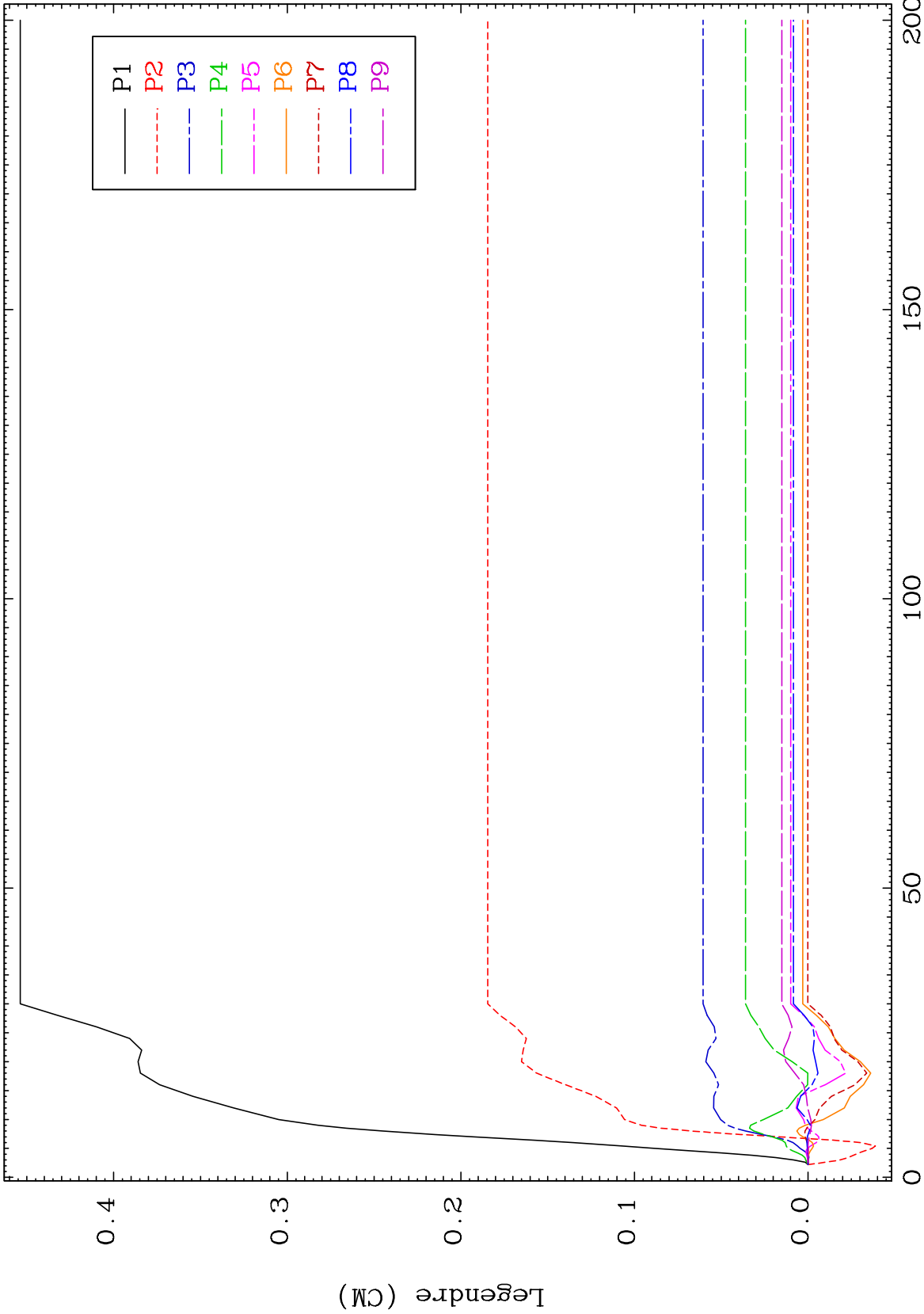
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



102

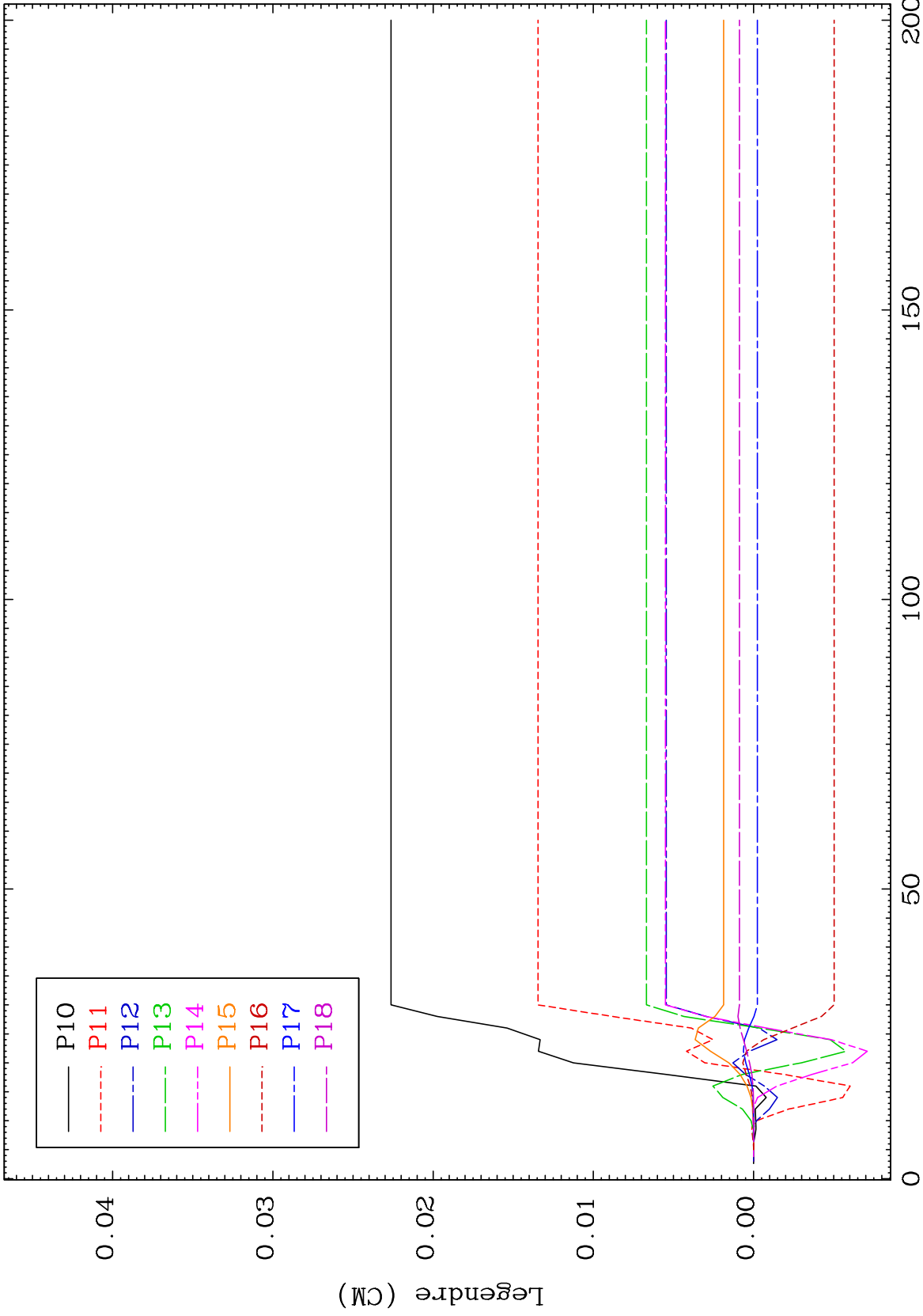
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



103

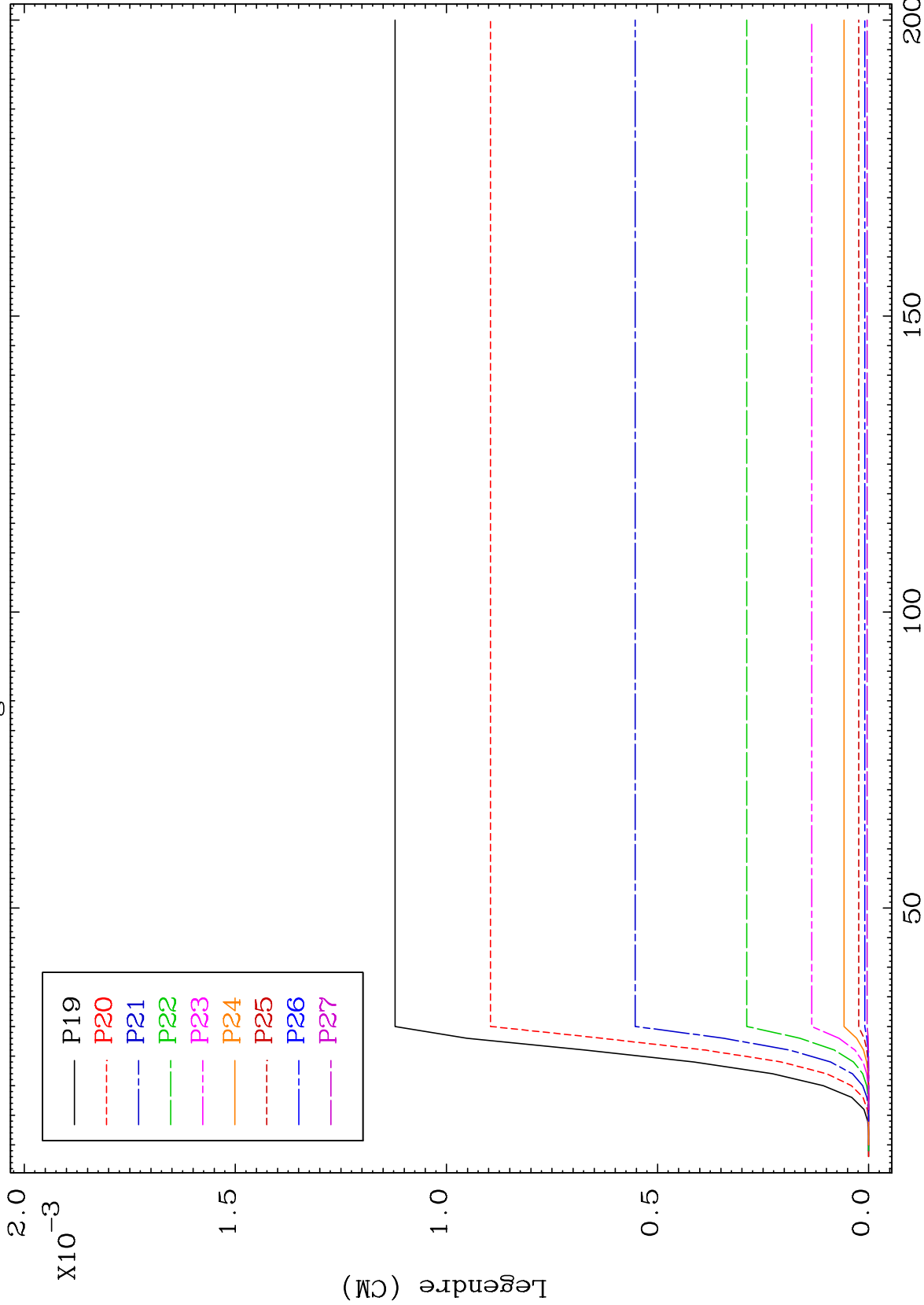
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



104

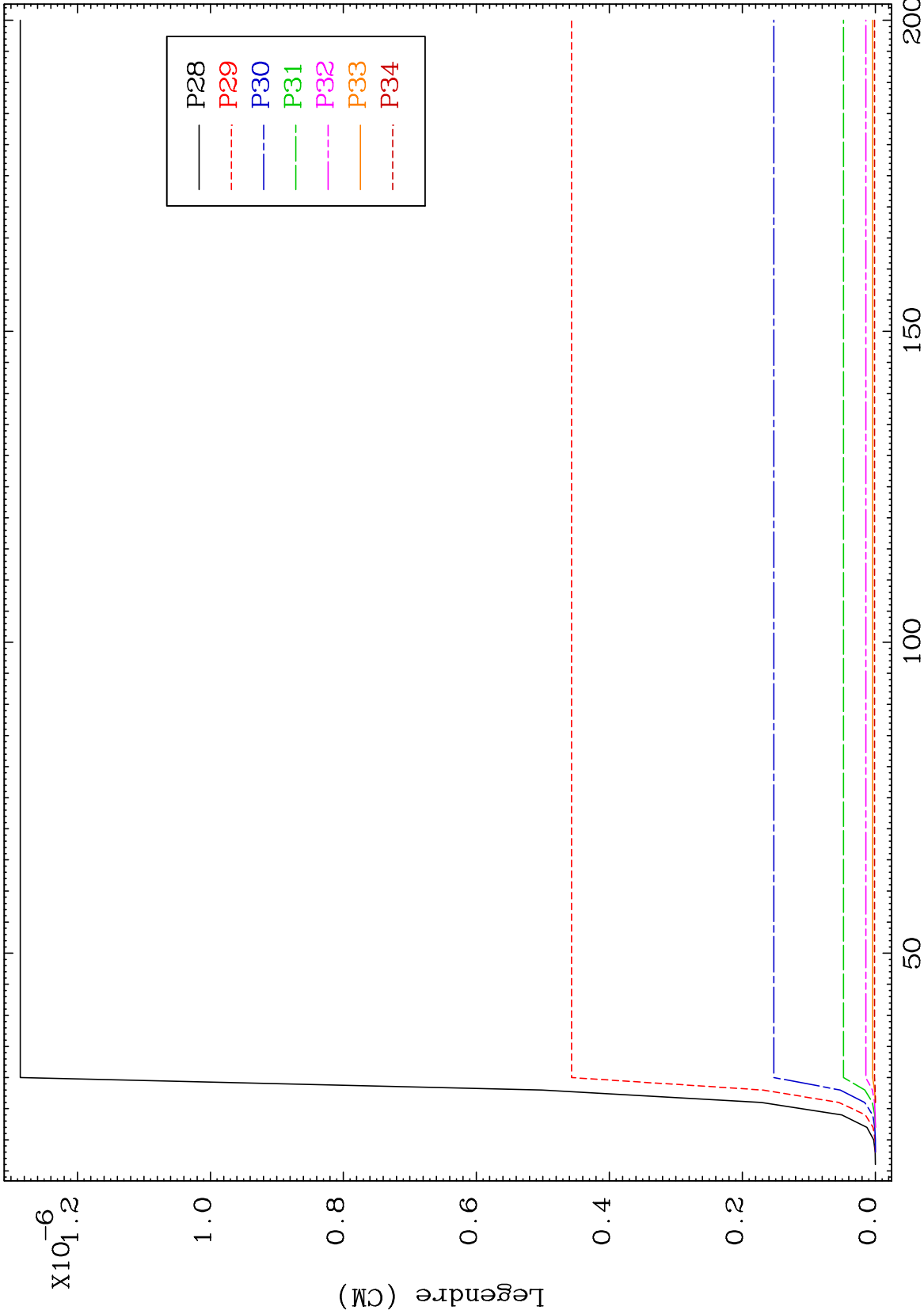
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



50-Sn-125

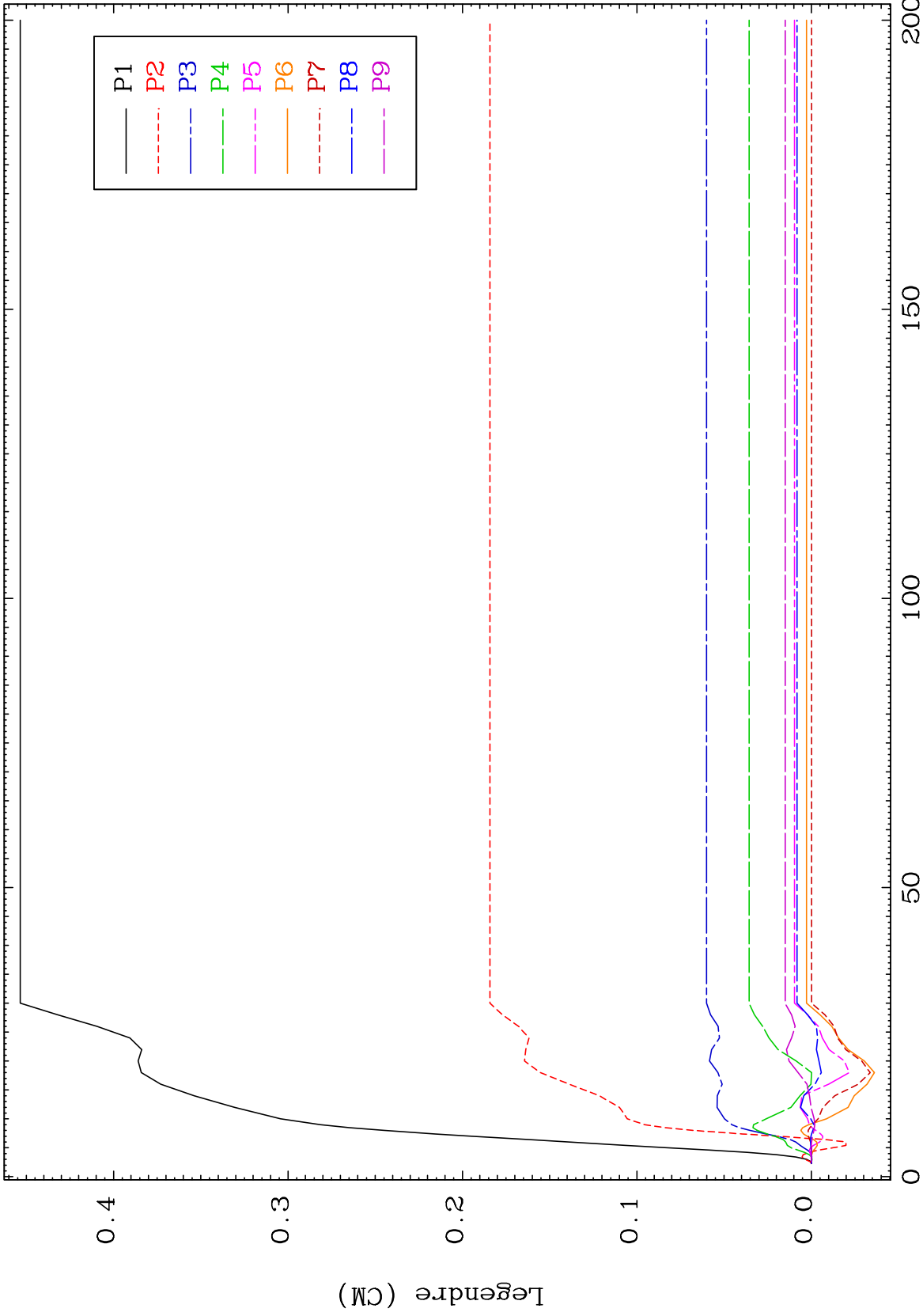
Incident Energy (MeV)

105

MAT 5064

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

50-Sn-125



106

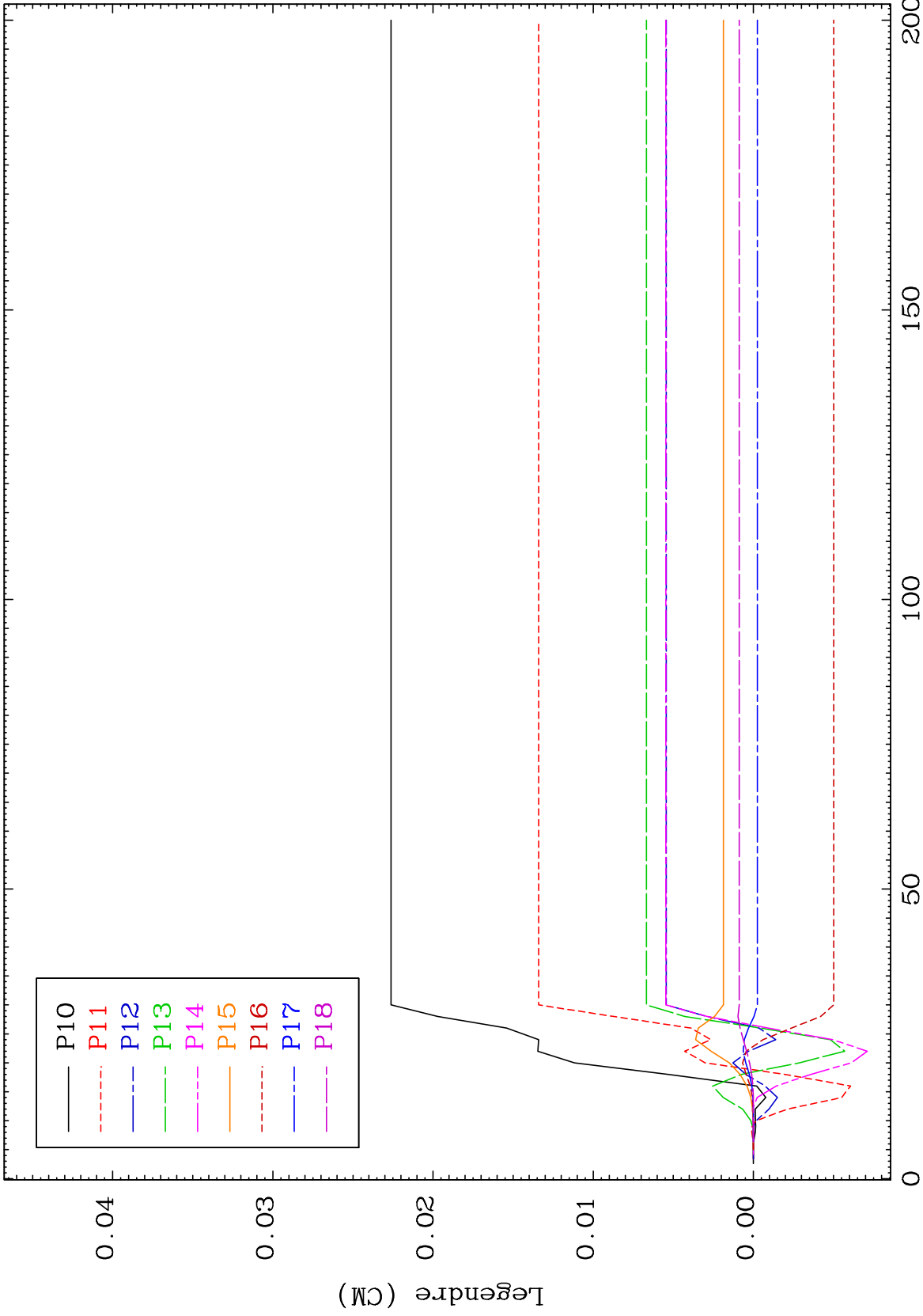
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



107

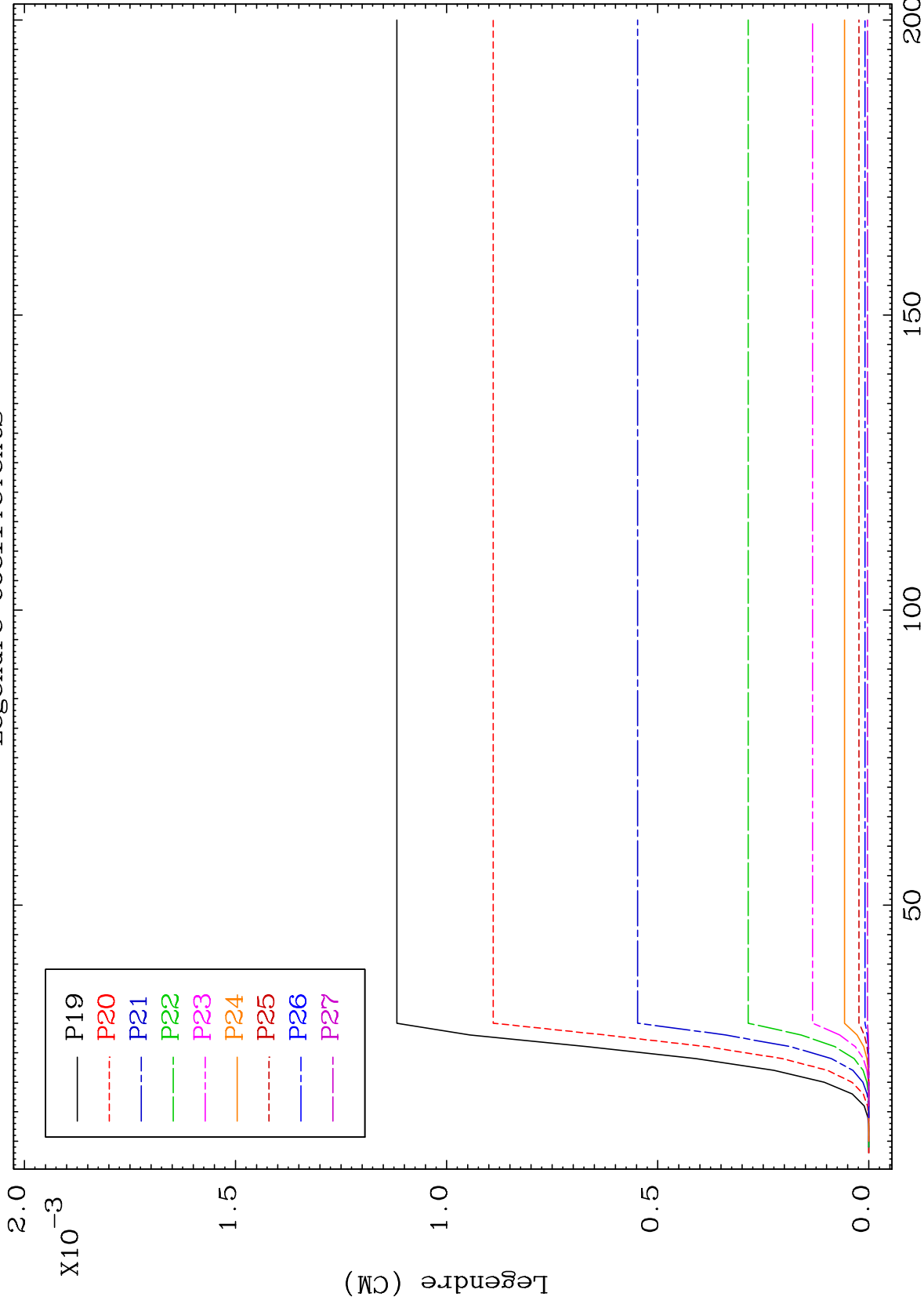
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



108

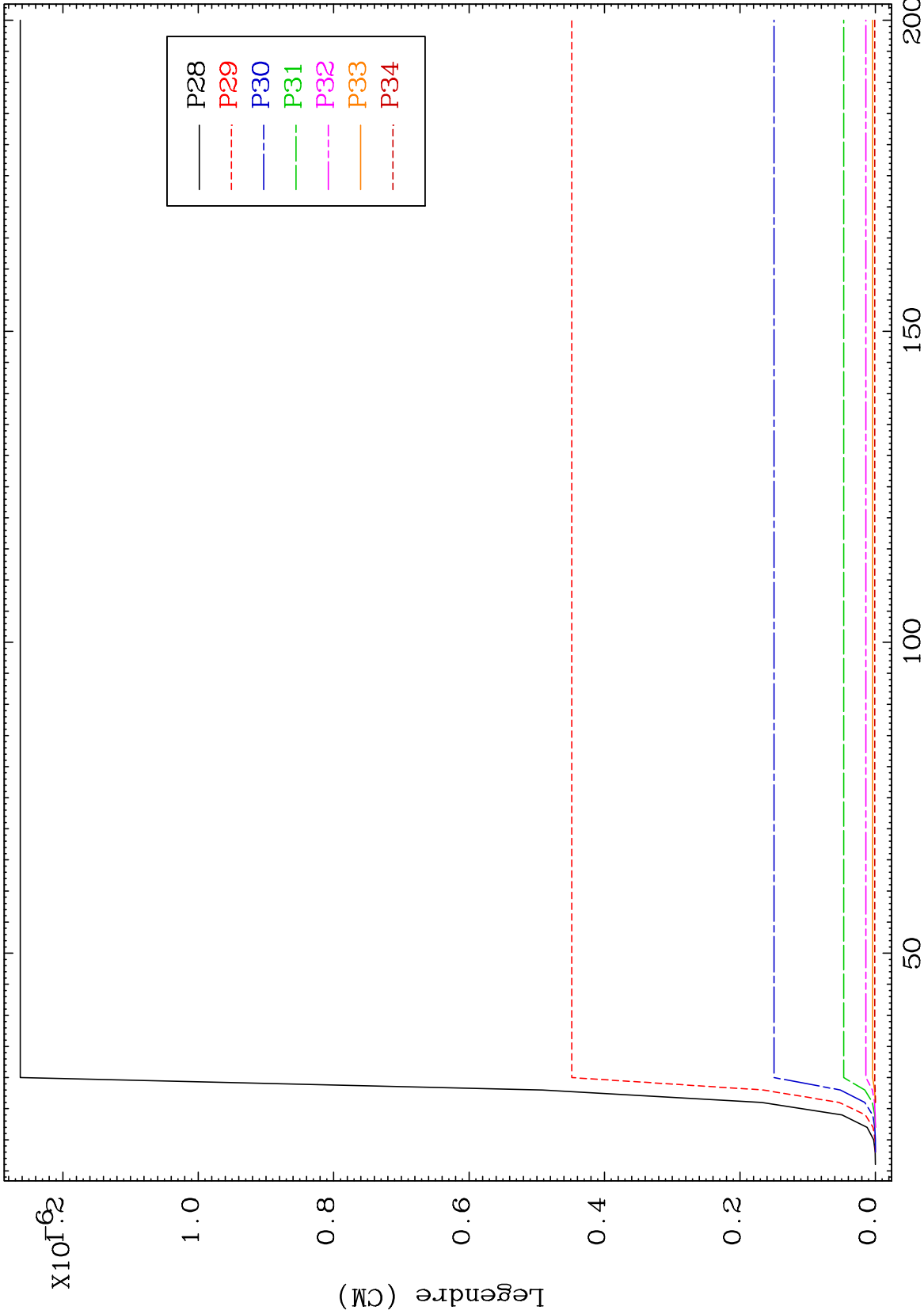
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125

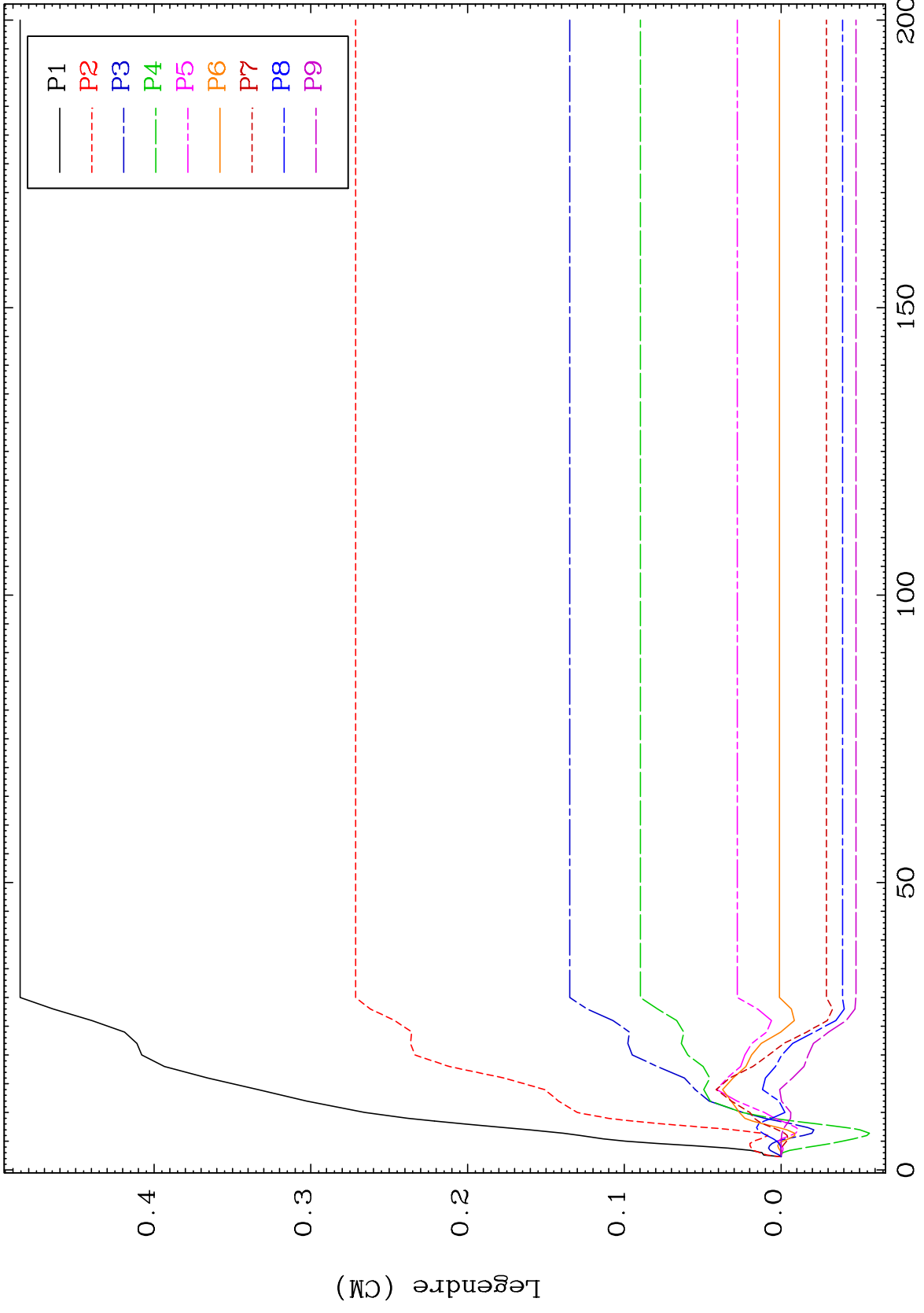


109

Incident Energy (MeV)

50-Sn-125

MAT 5064 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-125

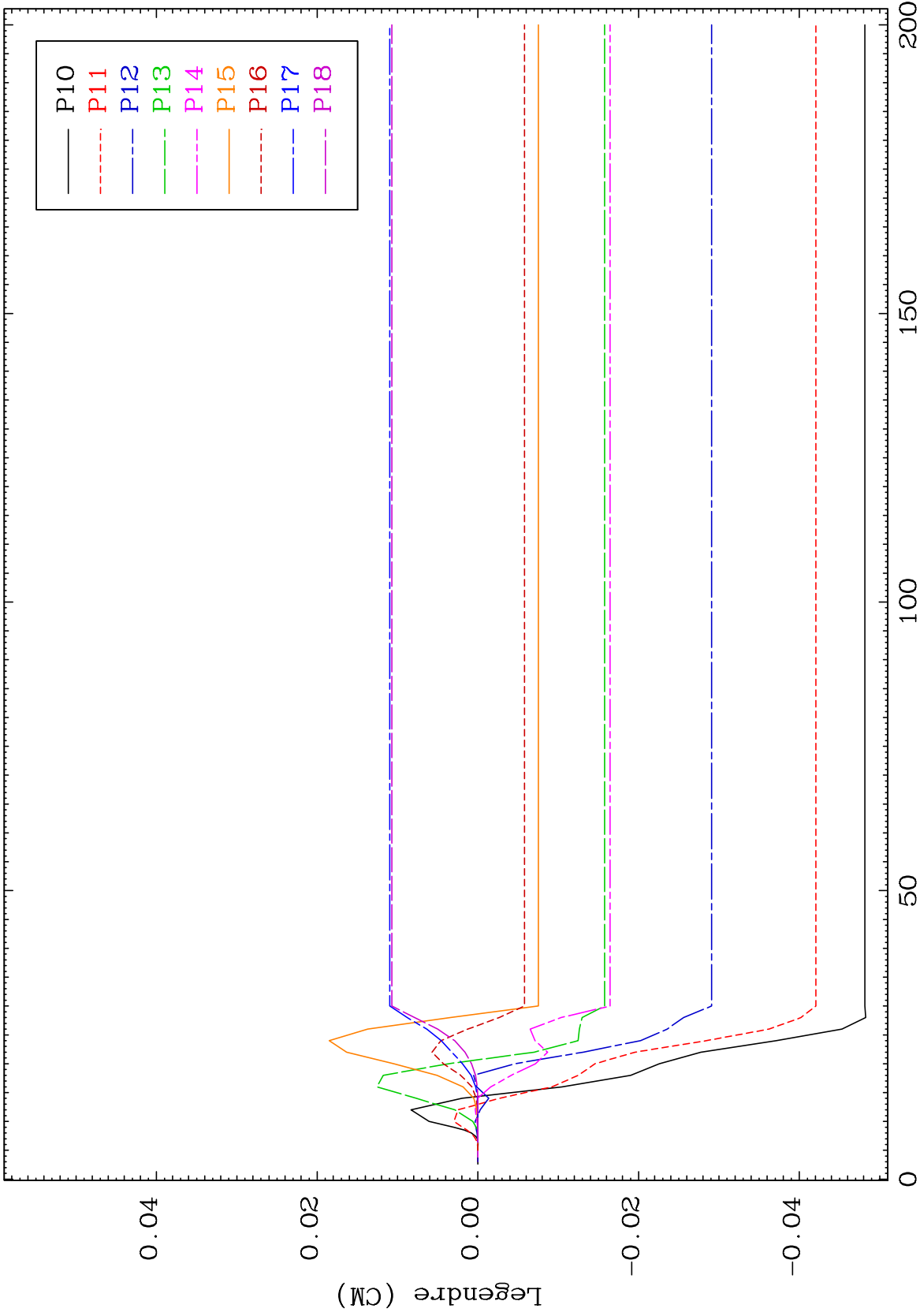


110 Incident Energy (MeV) 50-Sn-125

MAT 5064

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

50-Sn-125

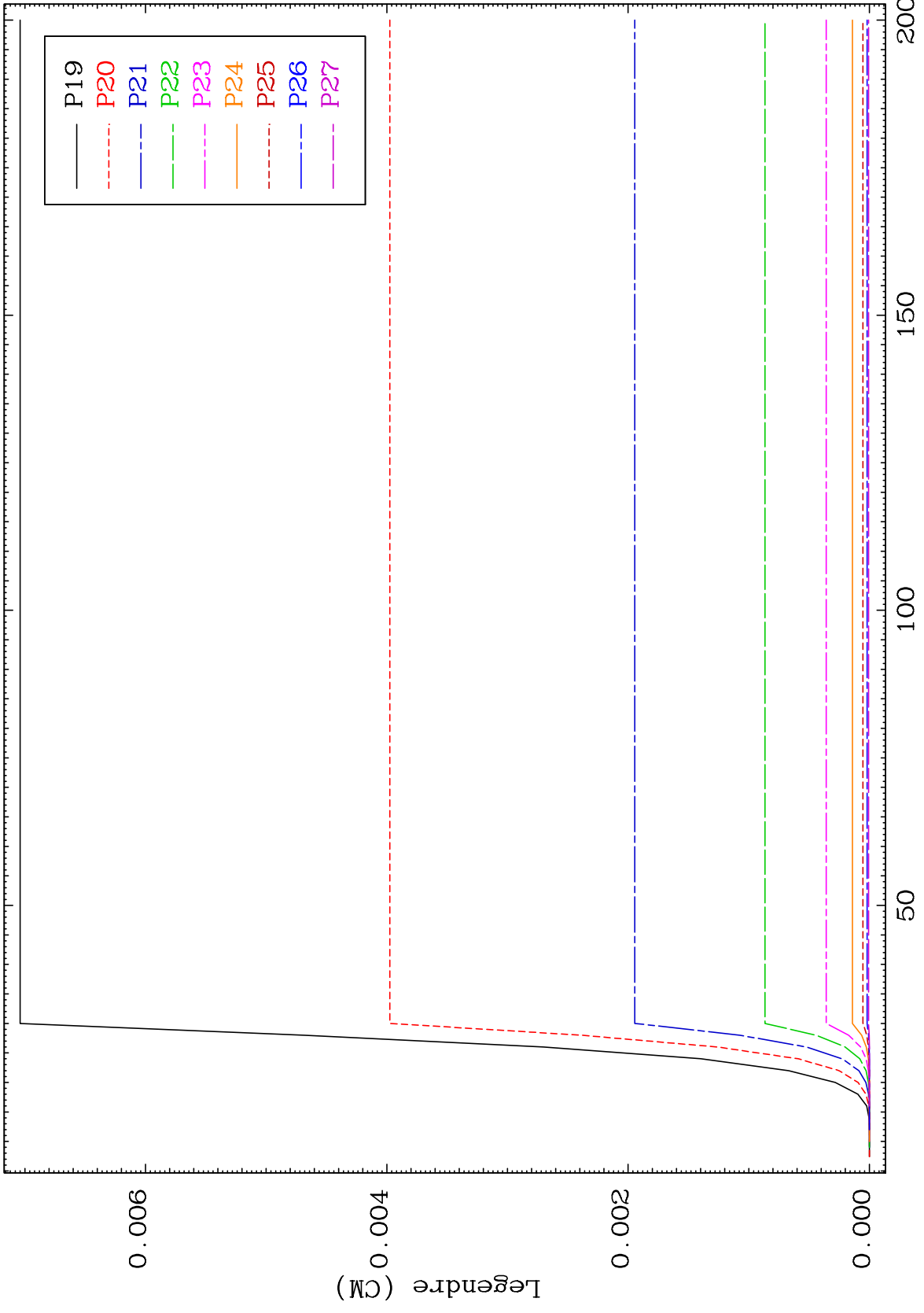


111

Incident Energy (MeV)

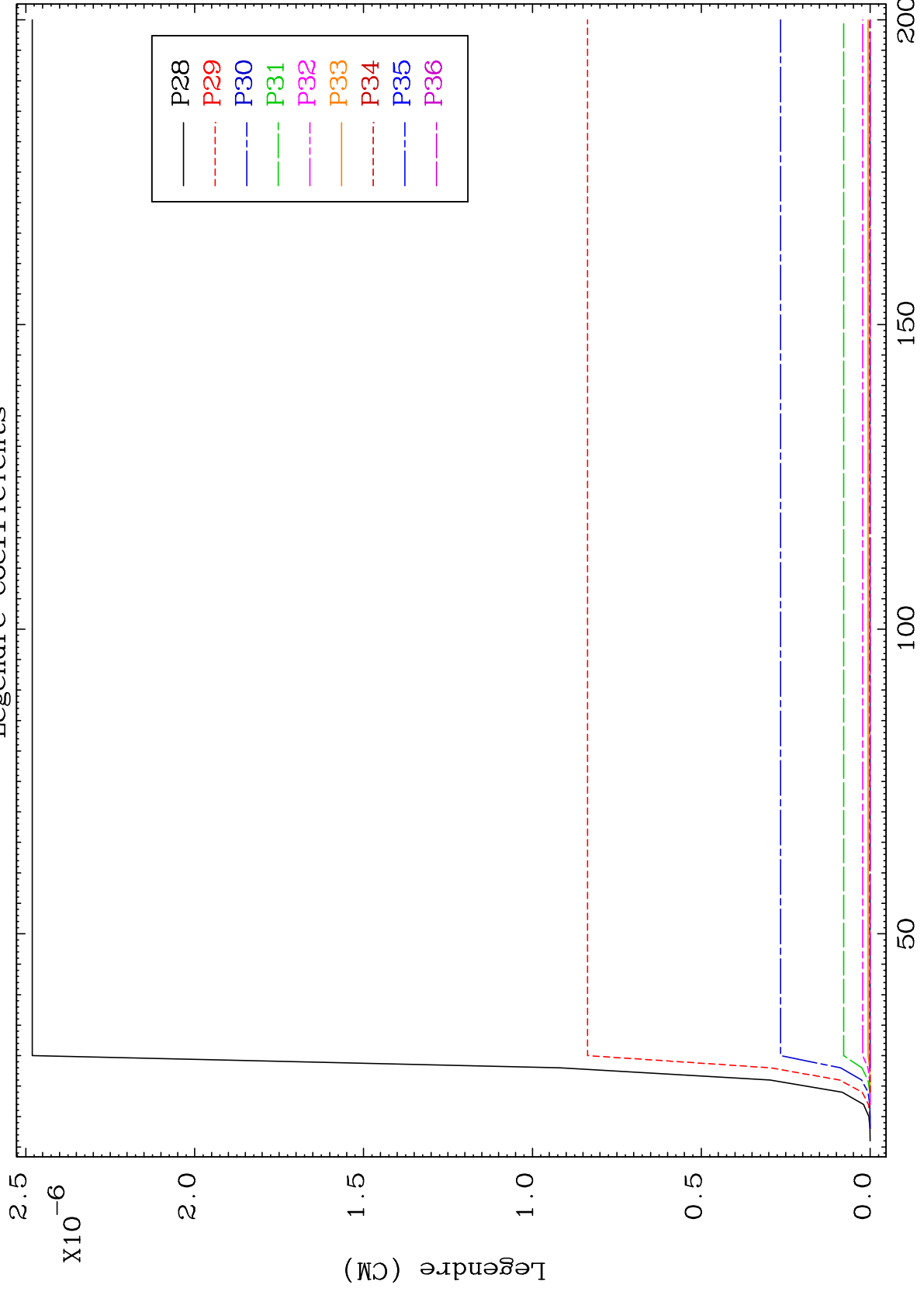
50-Sn-125

MAT 5064 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-125



112 Incident Energy (MeV) 50-Sn-125

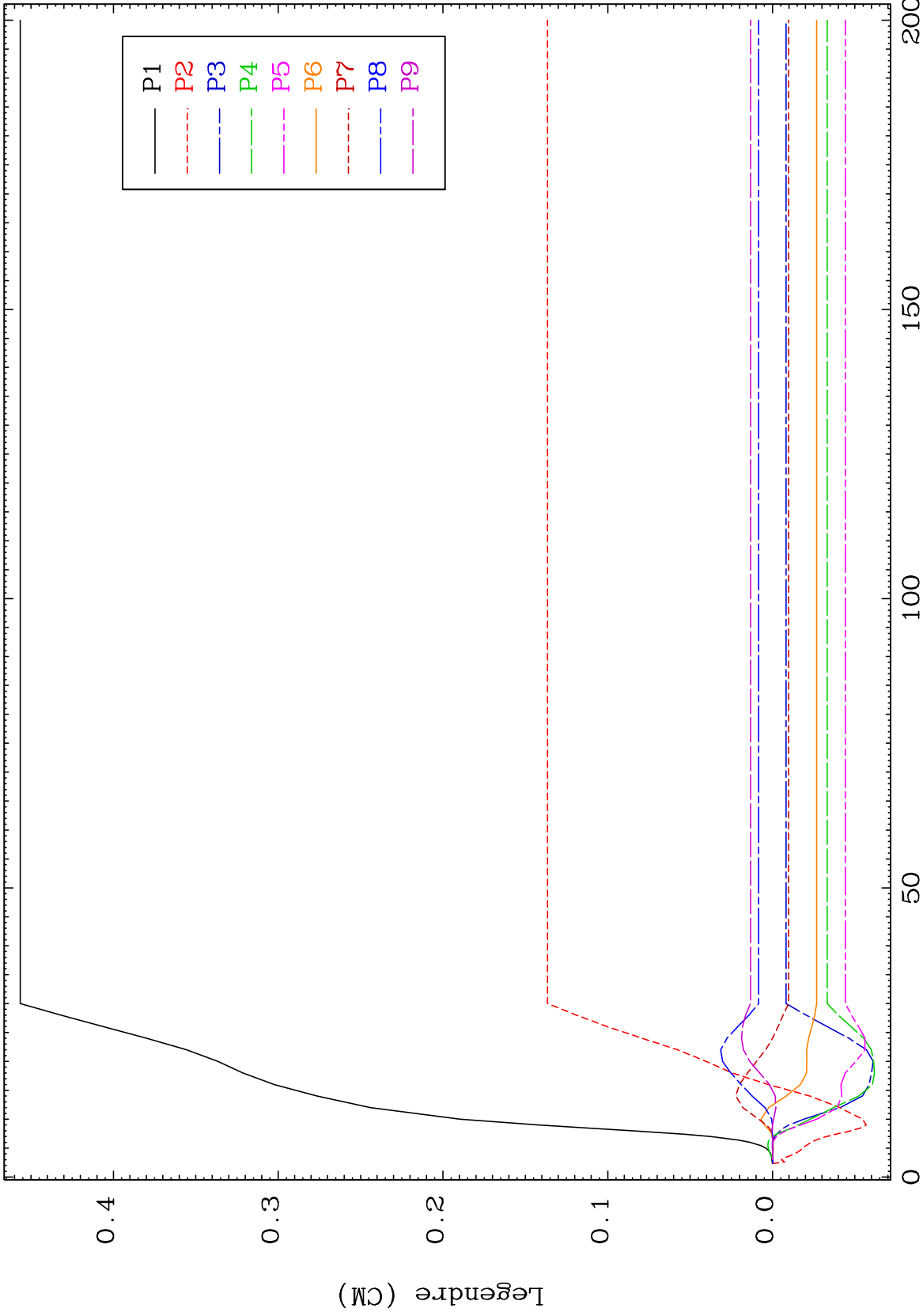
MAT 5064 MT= 75 (n,n') Level Legendre Coefficients 50-Sn-125



MAT 5064

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

50-Sn-125



114

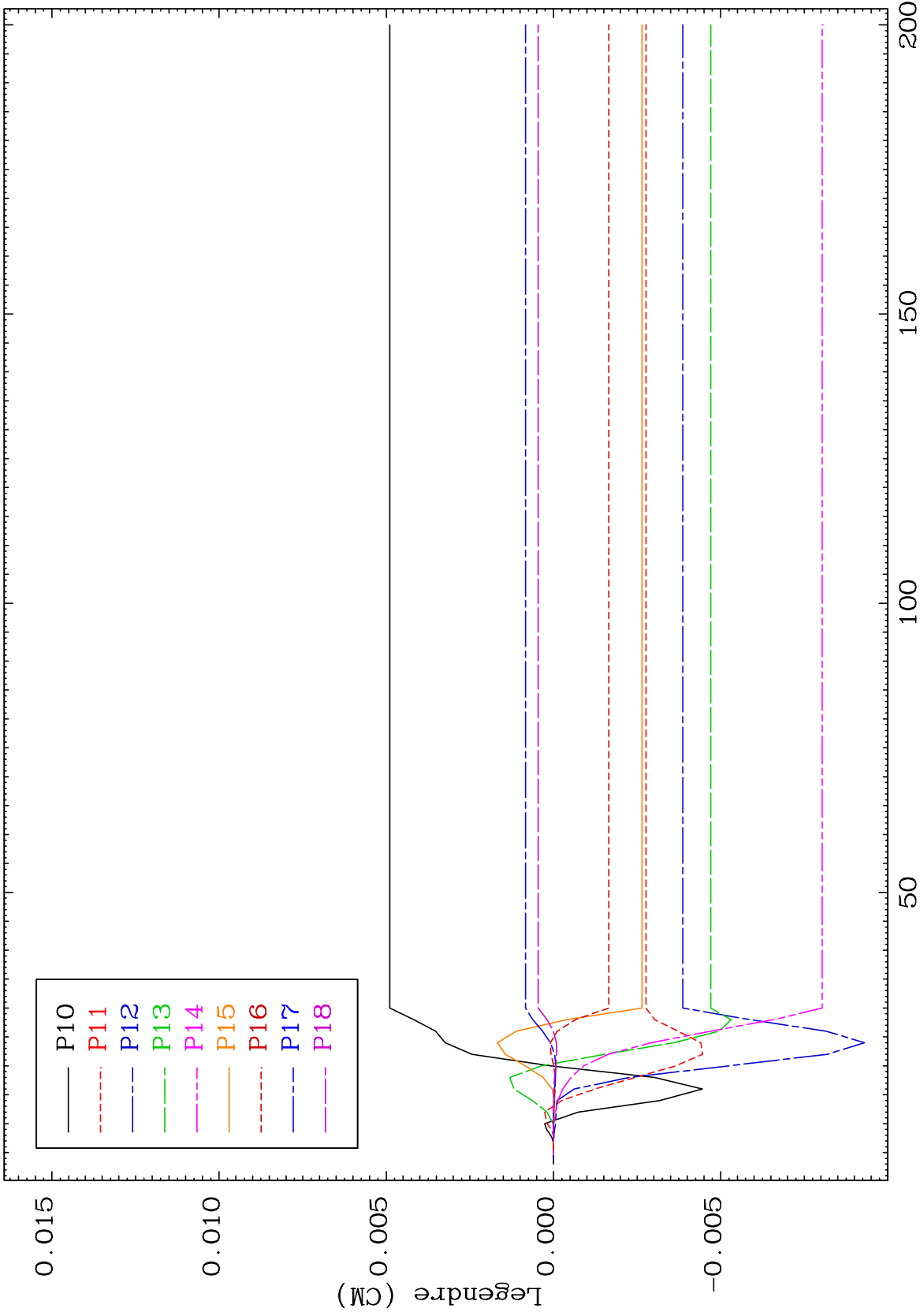
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



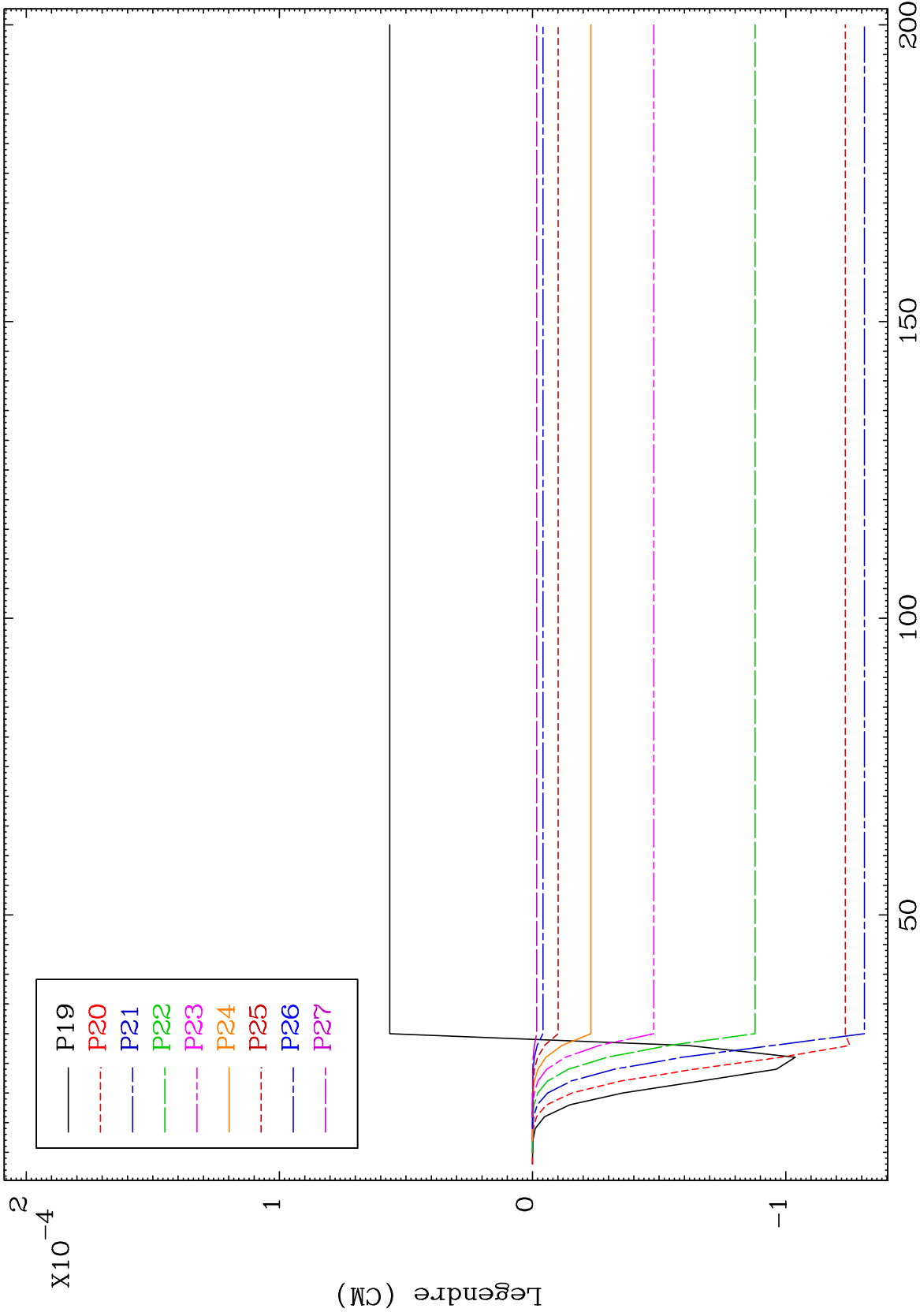
115

50-Sn-125

MAT 5064

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

50-Sn-125

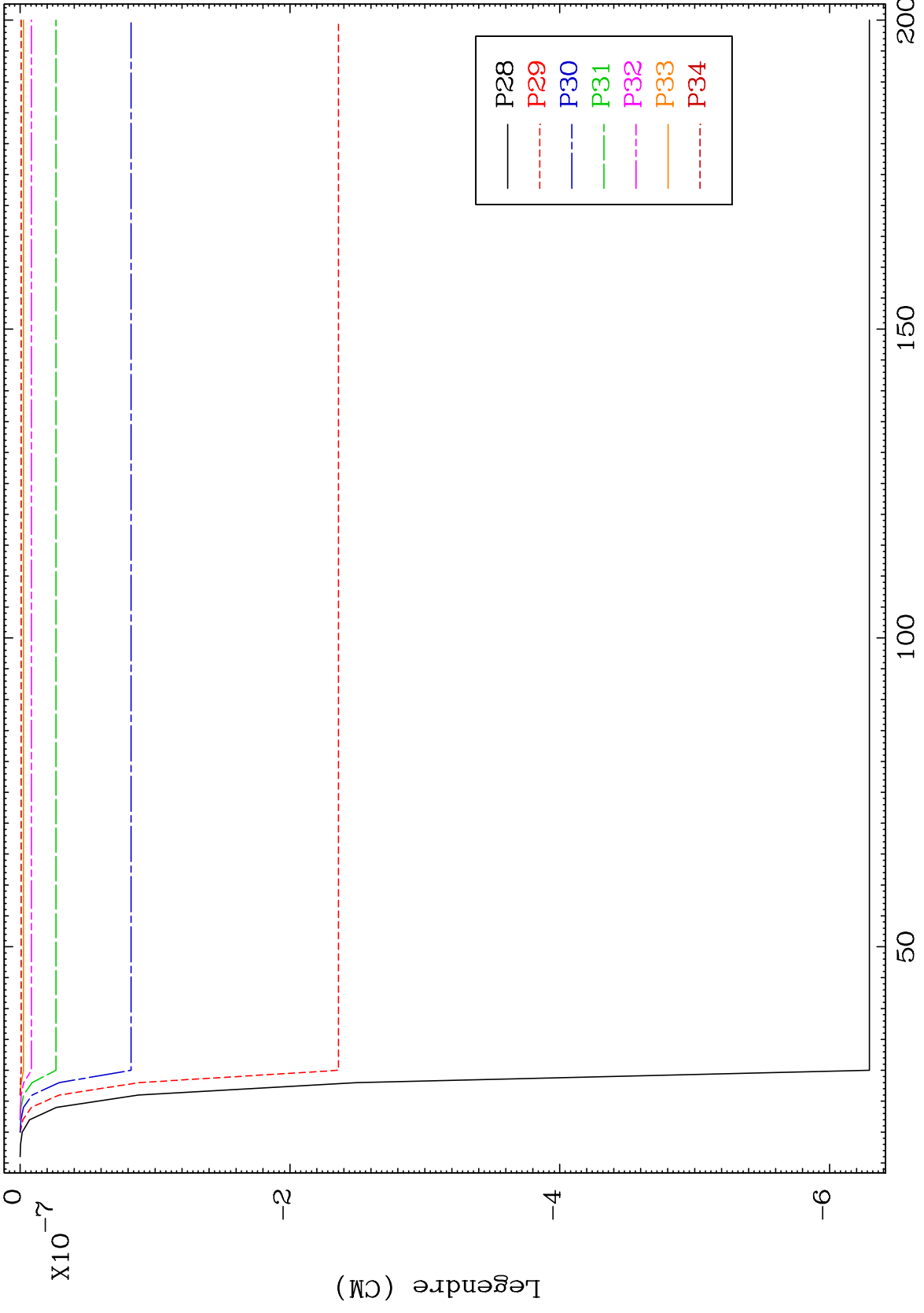


116

Incident Energy (MeV)

50-Sn-125

MAT 5064 MT= 76 (n,n') Level Legendre Coefficients 50-Sn-125



MAT 5064

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

50-Sn-125



118

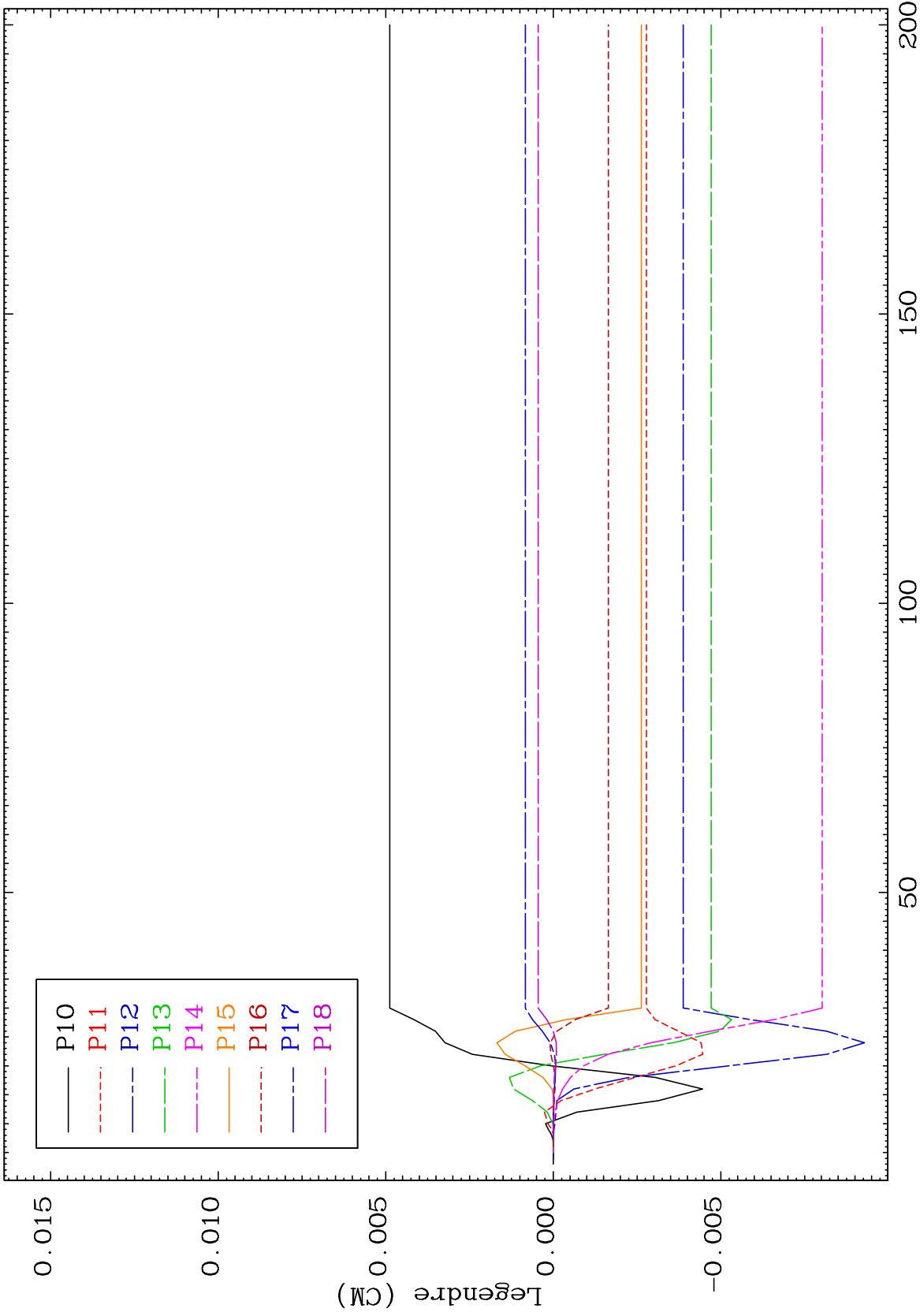
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



119

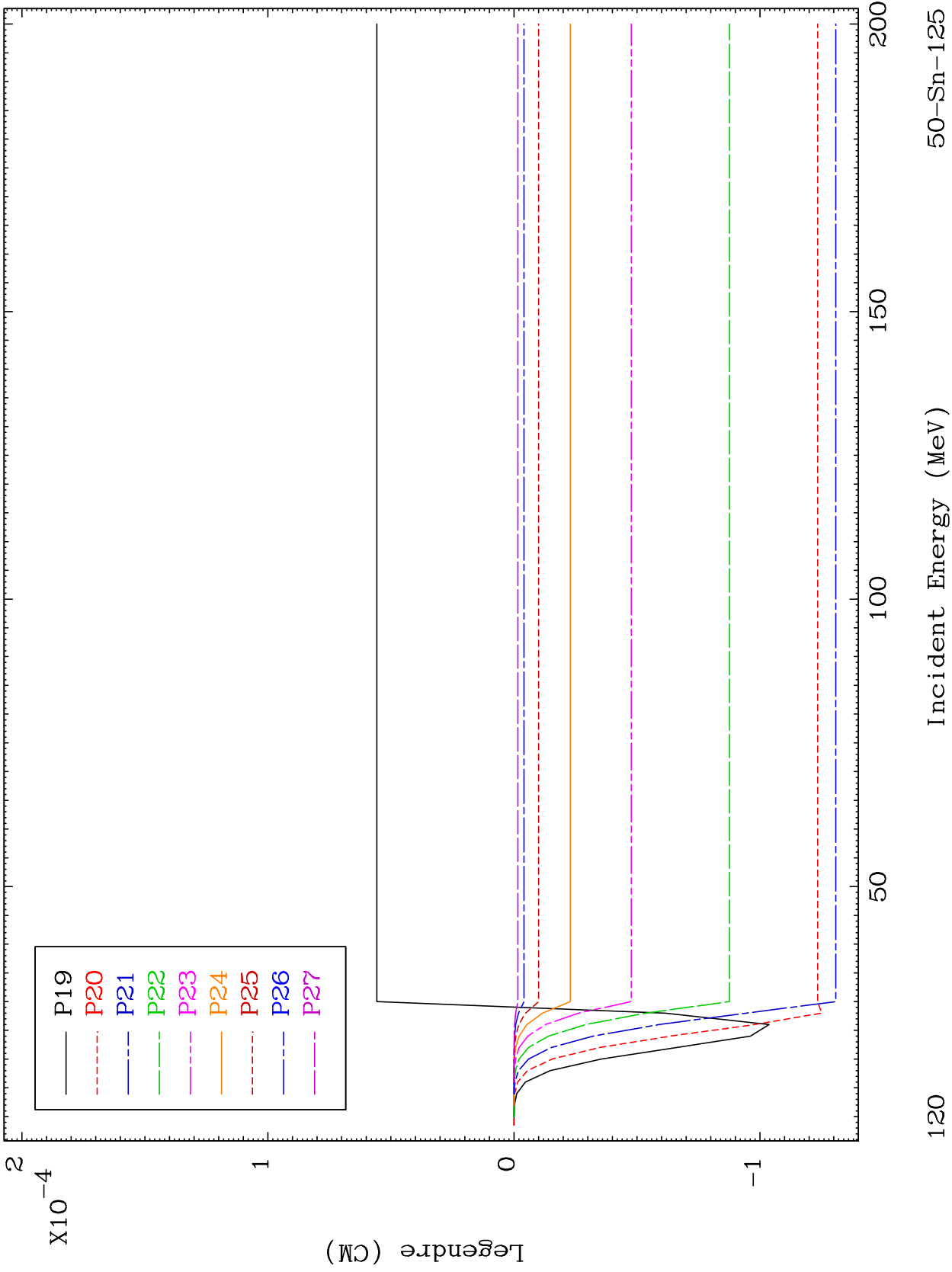
Incident Energy (MeV)

50-Sn-125

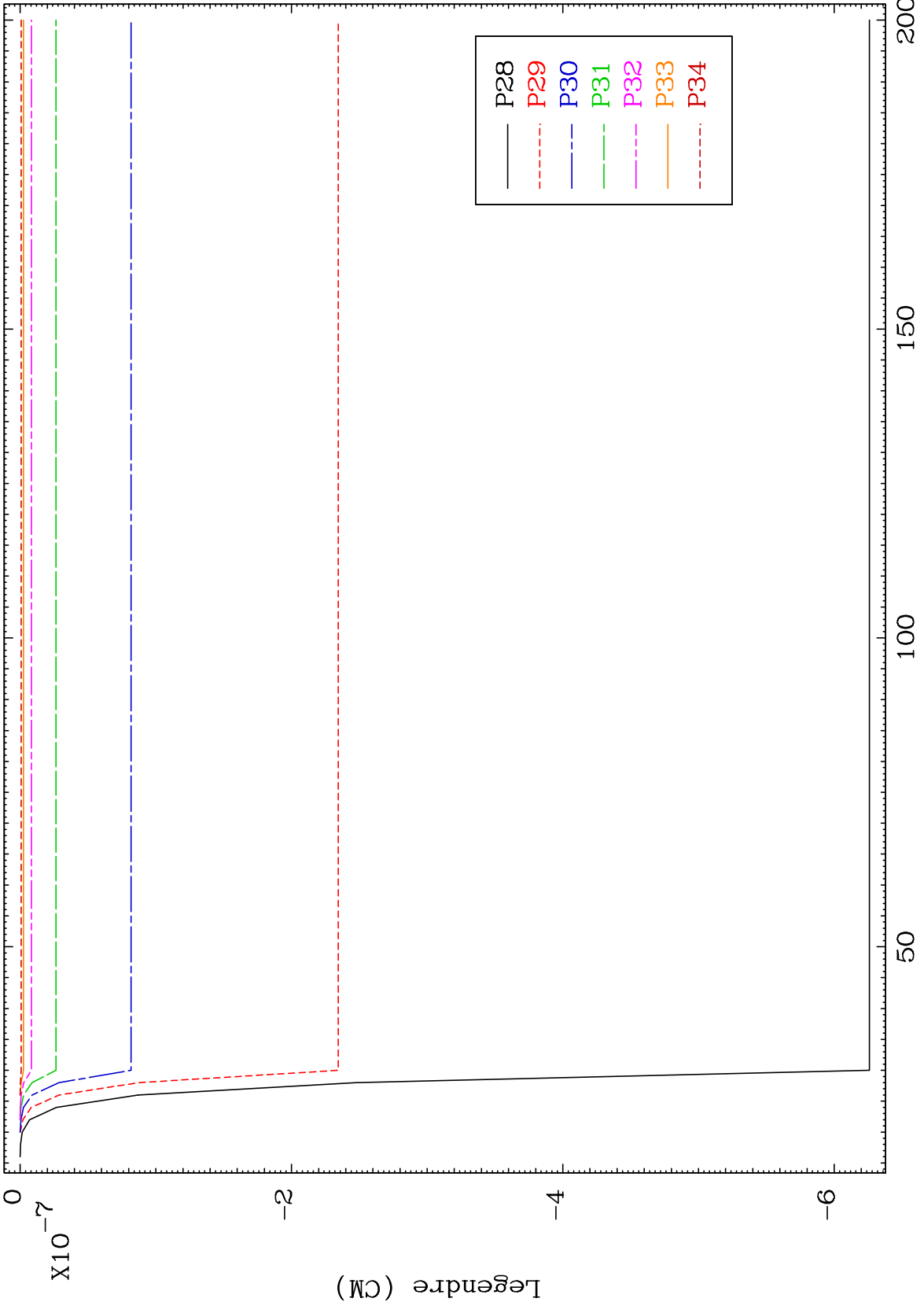
MAT 5064

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

50-Sn-125



MAT 5064 MT= 77 (n,n') Level Legendre Coefficients 50-Sn-125

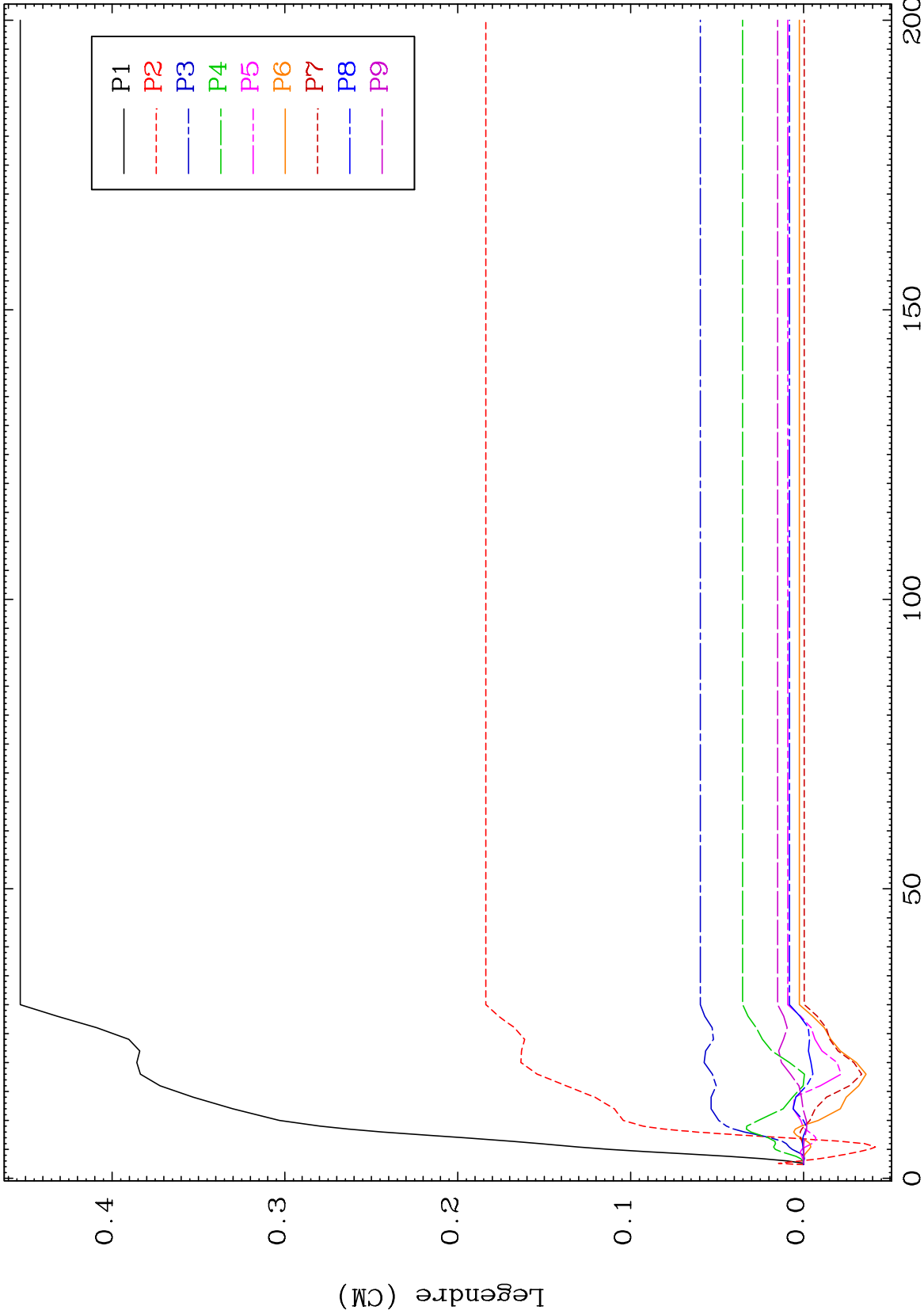


121 50-Sn-125

MAT 5064

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

50-Sn-125



122

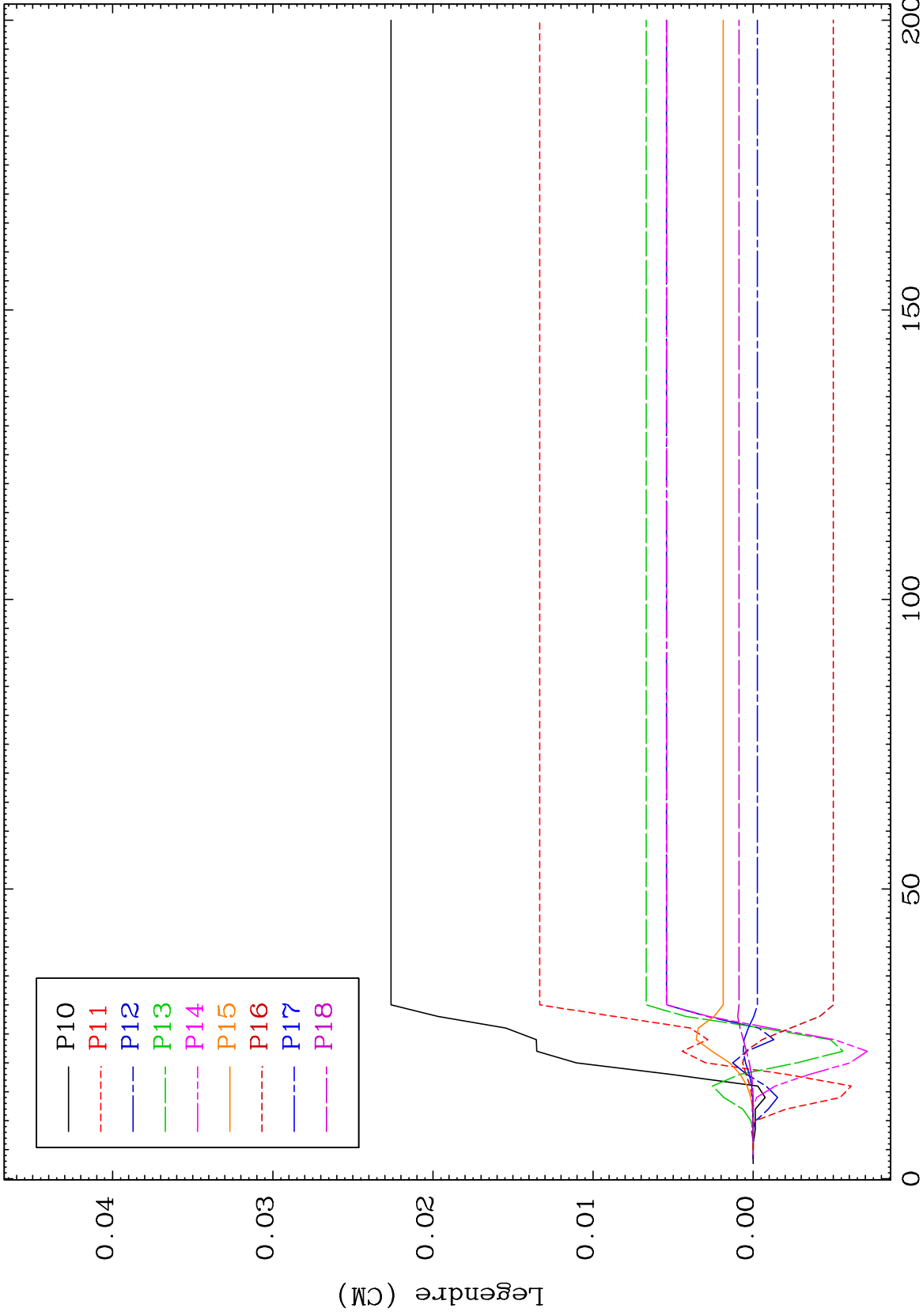
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



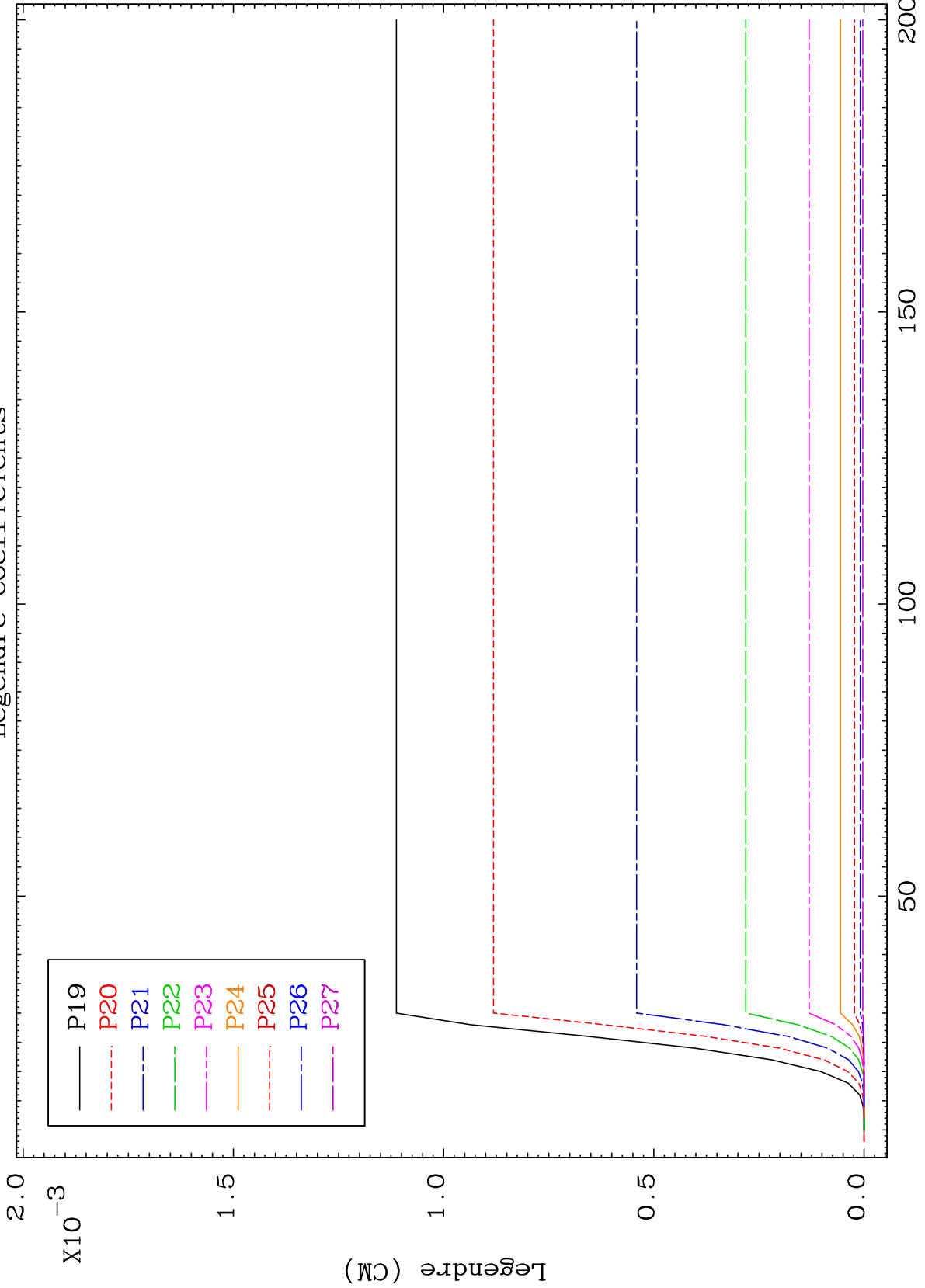
123

50-Sn-125

MAT 5064

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

50-Sn-125



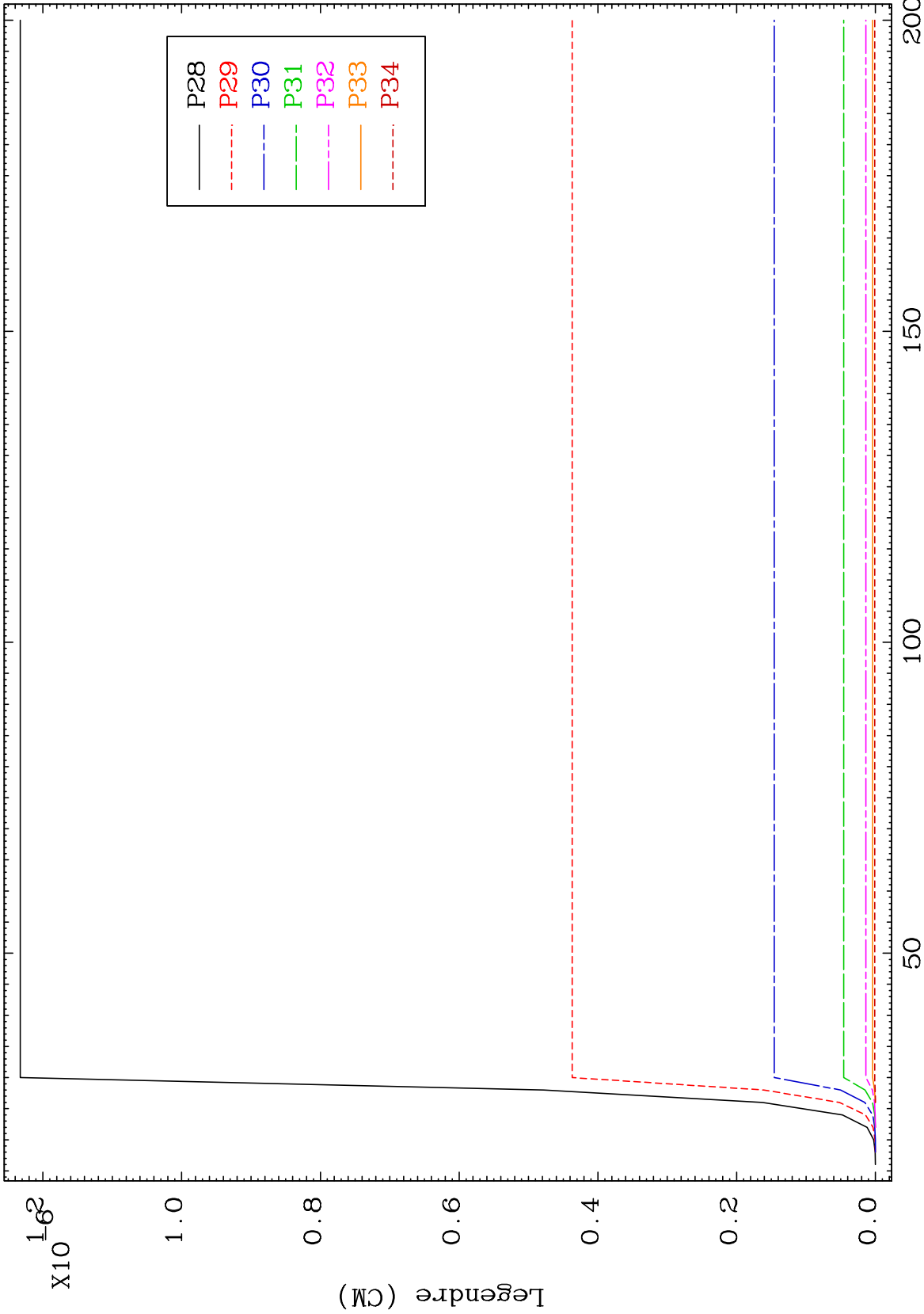
124

50-Sn-125

MAT 5064

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

50-Sn-125



125

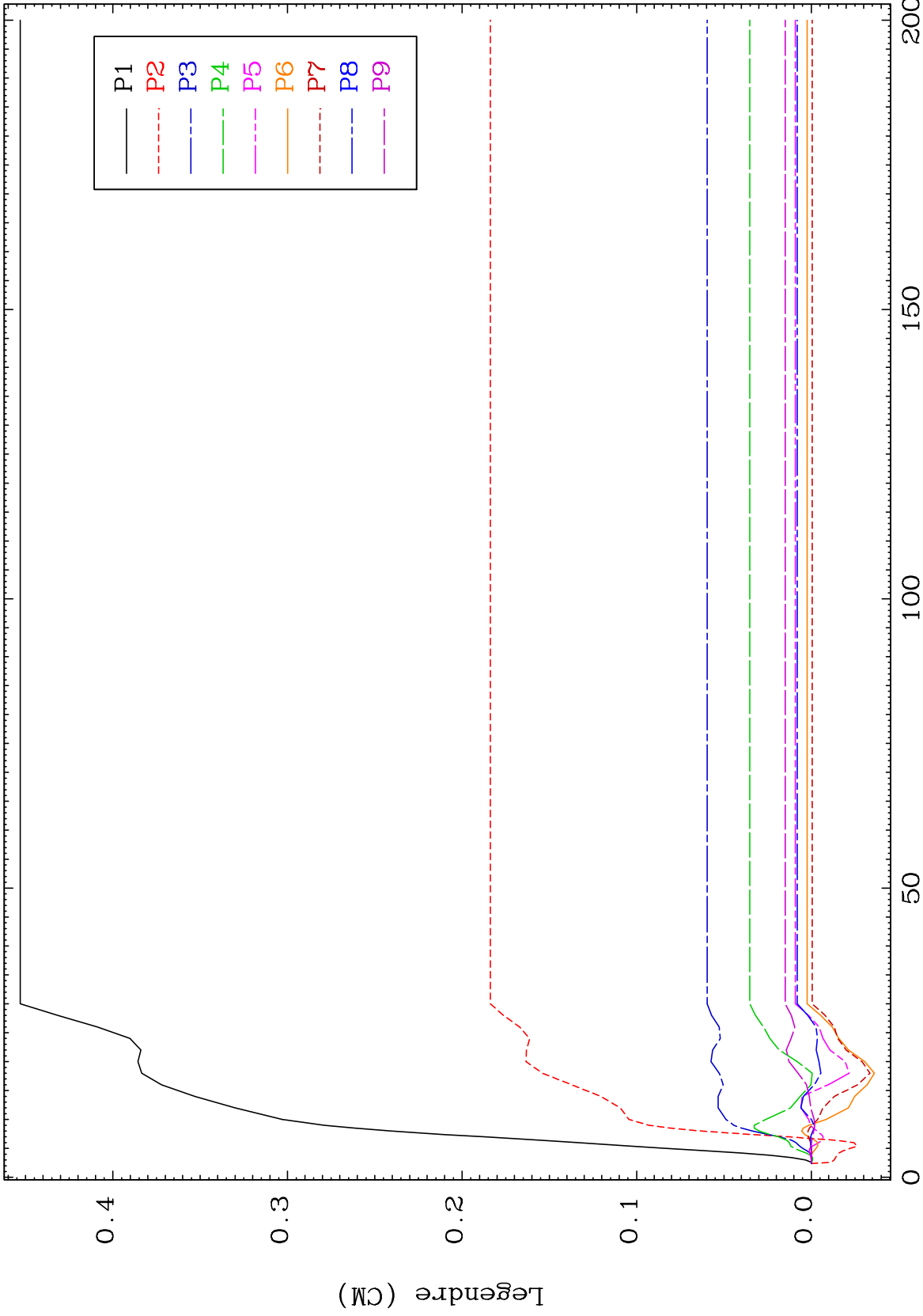
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



126

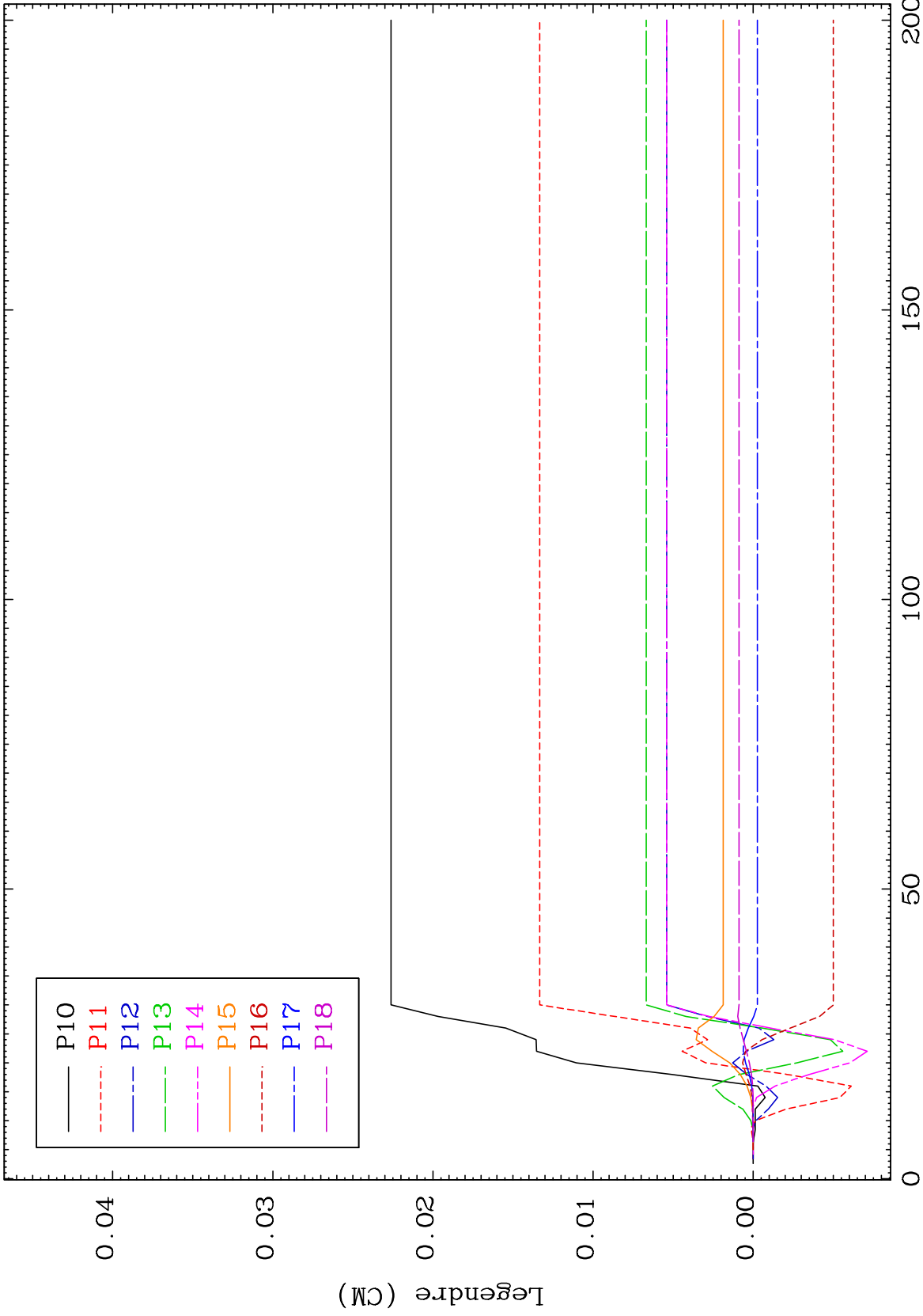
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



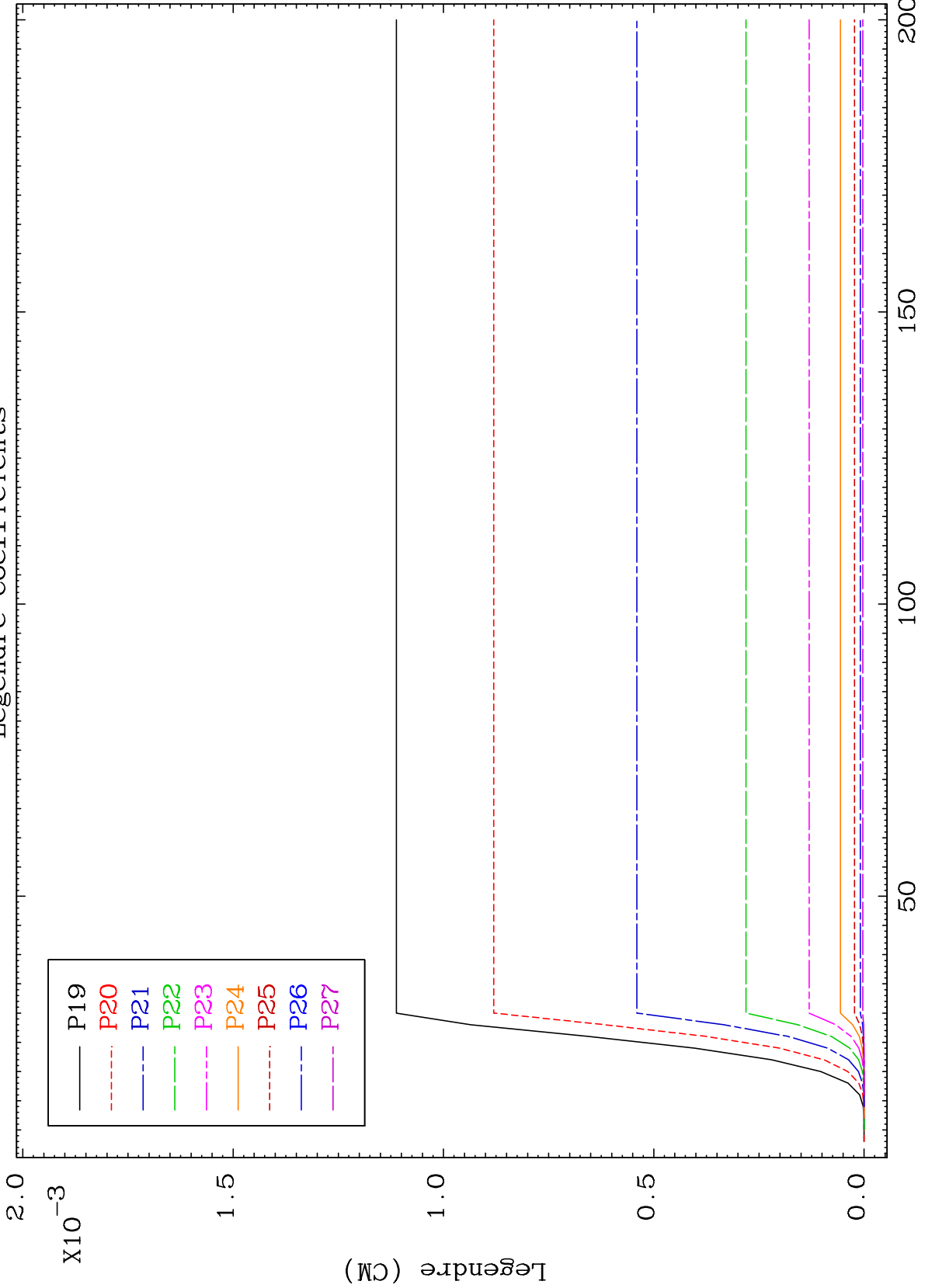
127

50-Sn-125

MAT 5064

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

50-Sn-125



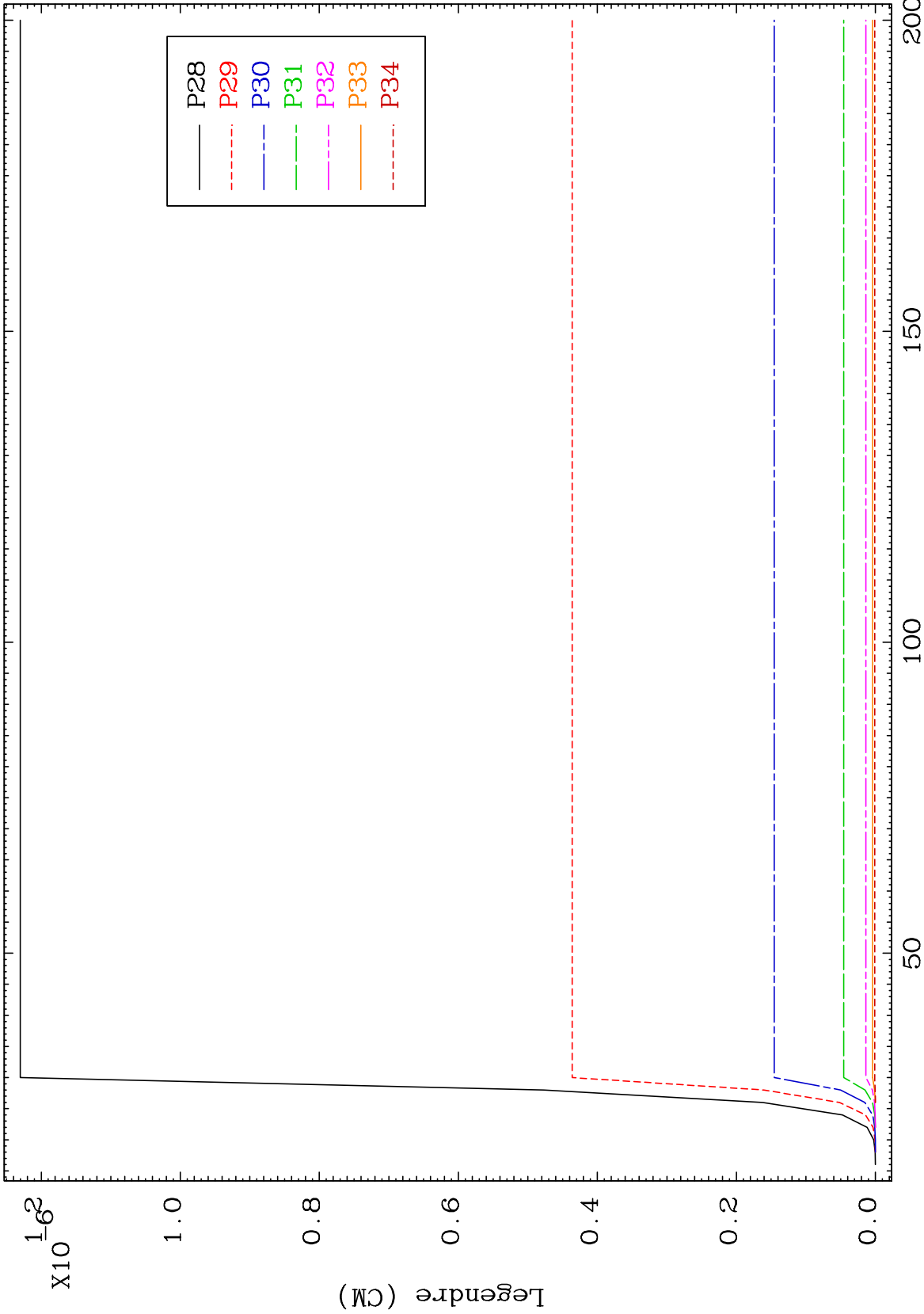
128

50-Sn-125

MAT 5064

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

50-Sn-125



129

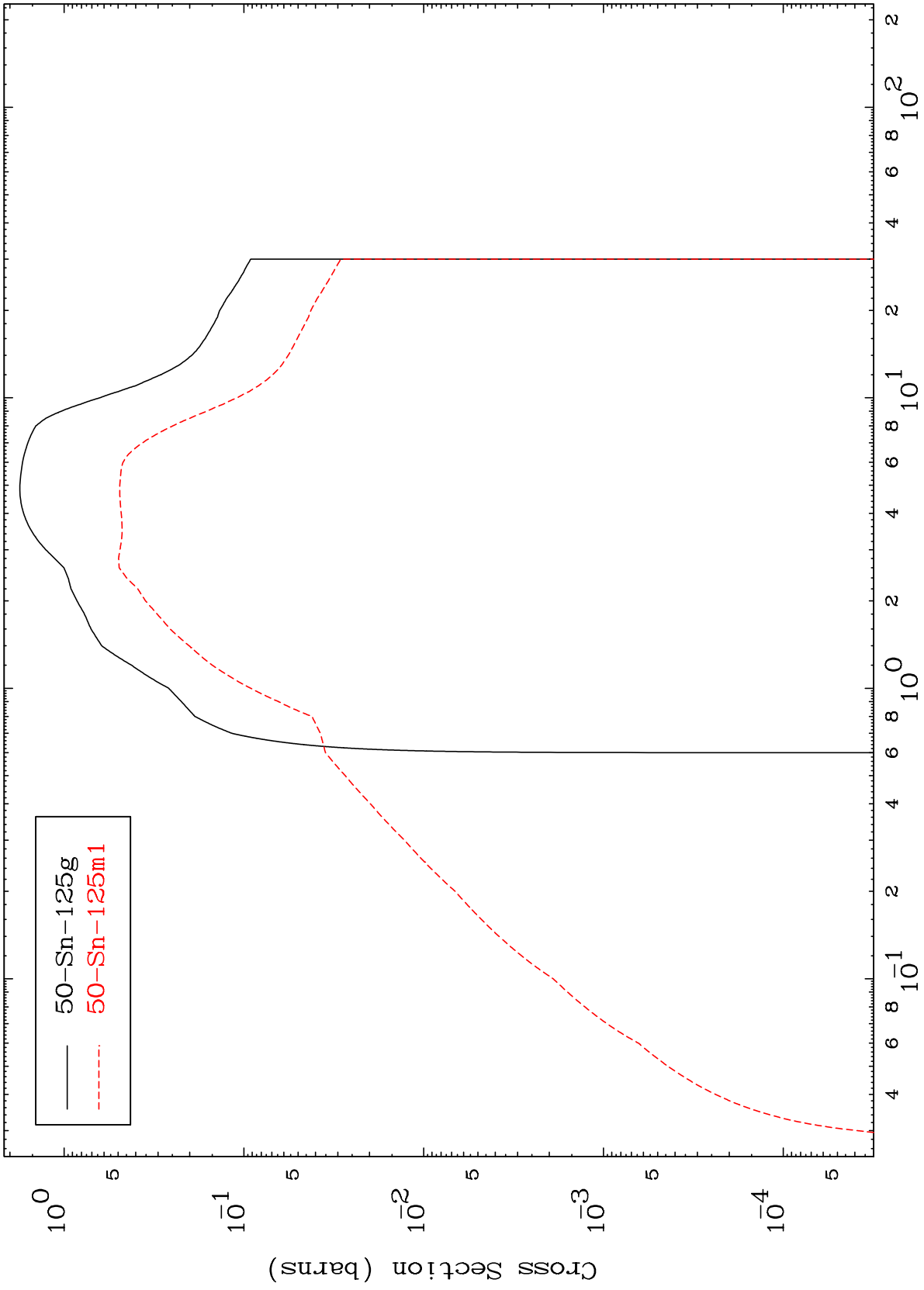
Incident Energy (MeV)

50-Sn-125

MAT 5064

Inelastic Radionuclide Production Cross Section

50-Sn-125



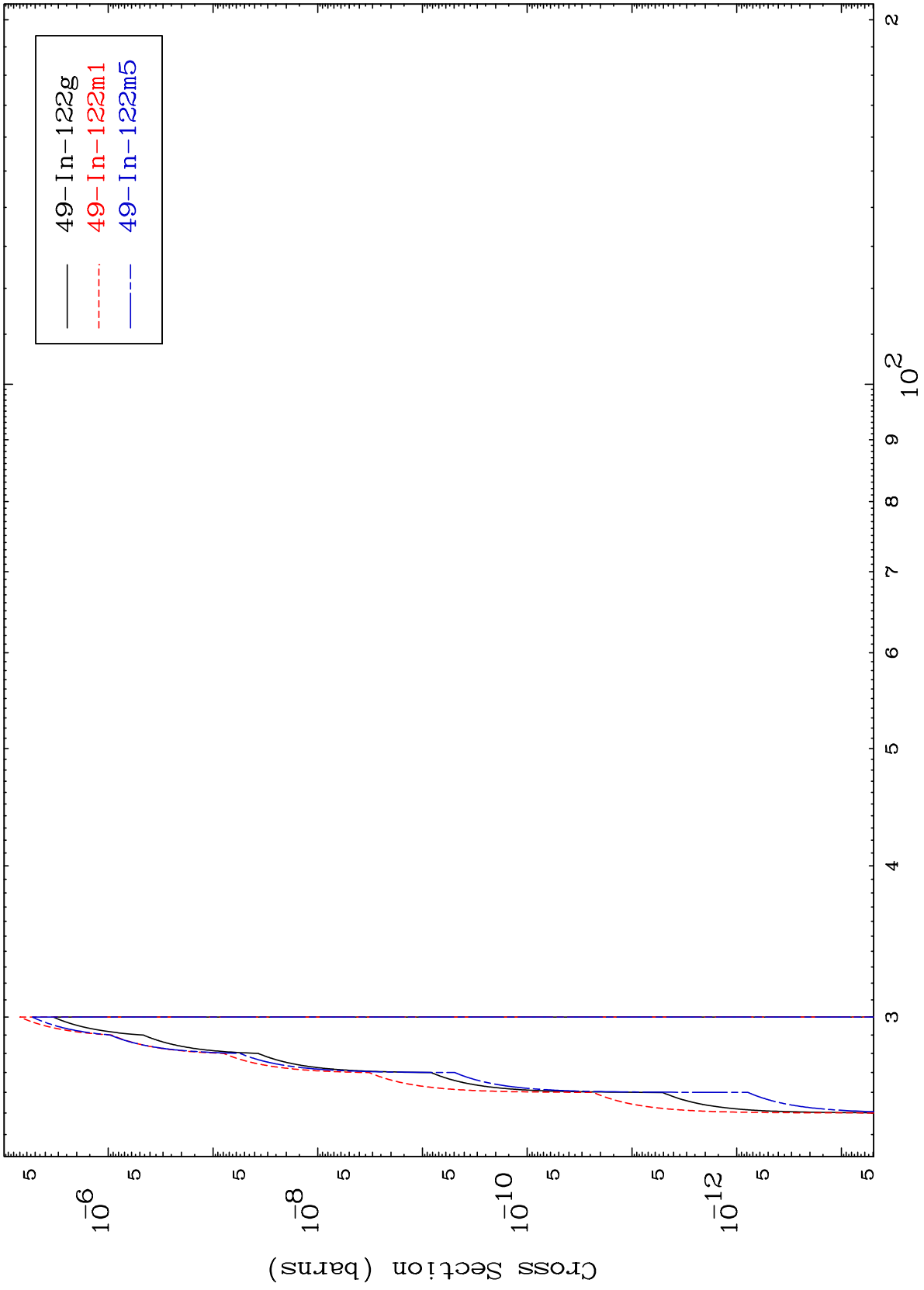
— 50-Sn-125g
- - - 50-Sn-125m1

MAT 5064

(n,2n) d

50-Sn-125

Radionuclide Production Cross Section



131

Incident Energy (MeV)

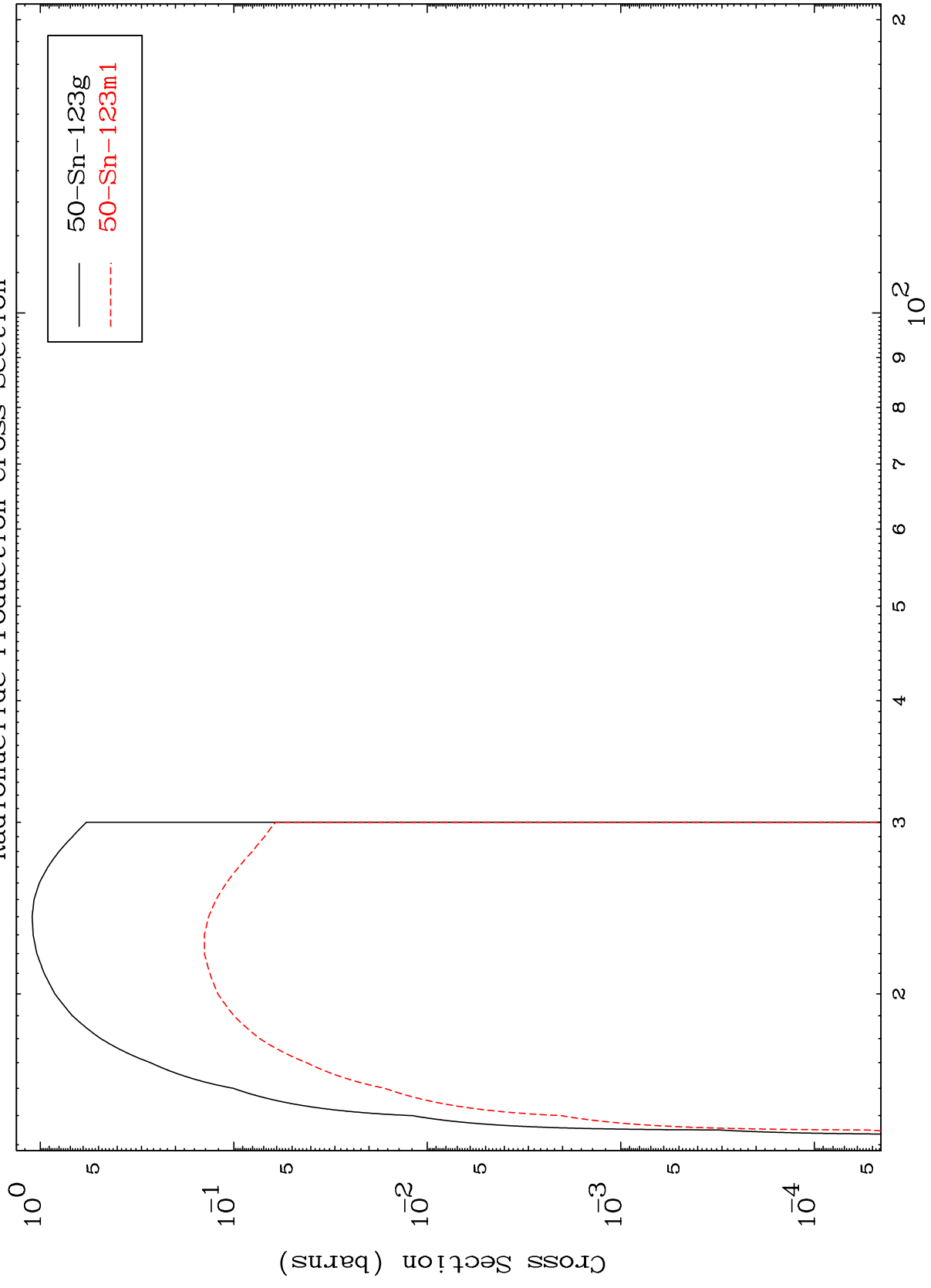
50-Sn-125

MAT 5064

(n,3n)

50-Sn-125

Radionuclide Production Cross Section



50-Sn-123g
50-Sn-123m1

132

Incident Energy (MeV)

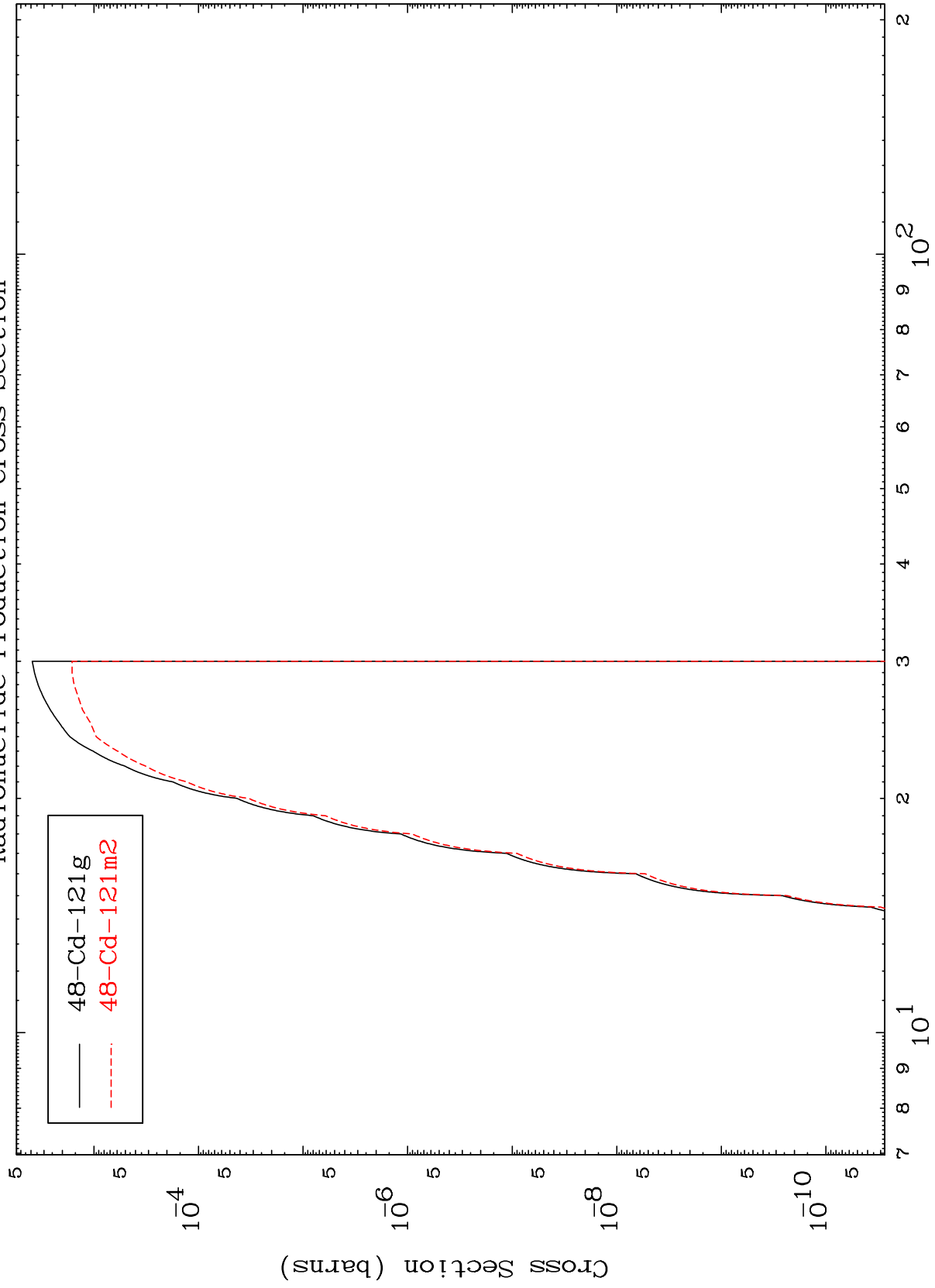
50-Sn-125

MAT 5064

(n,n') α

50-Sn-125

Radionuclide Production Cross Section



133

Incident Energy (MeV)

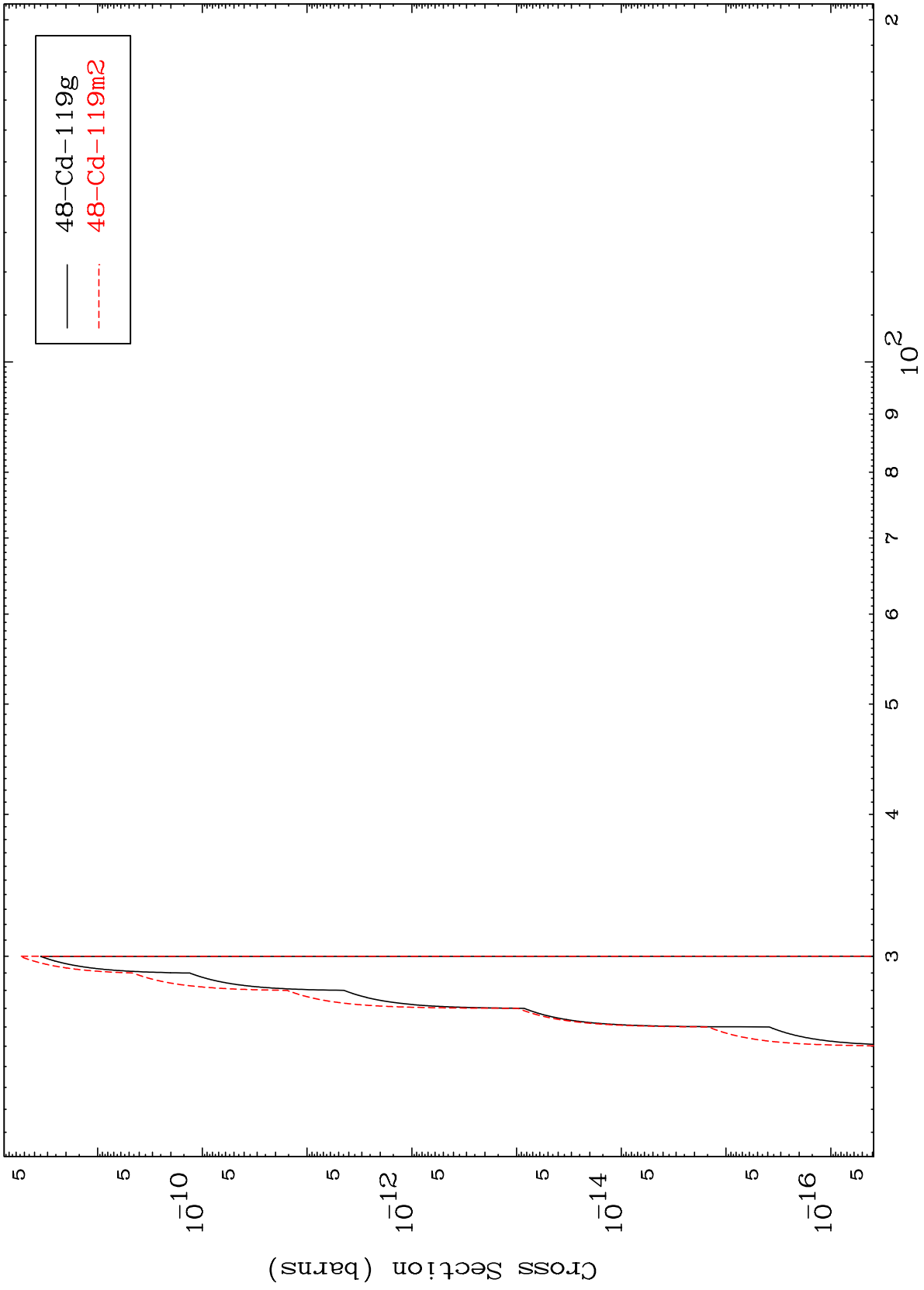
50-Sn-125

MAT 5064

(n,3n) α

50-Sn-125

Radionuclide Production Cross Section



134

Incident Energy (MeV)

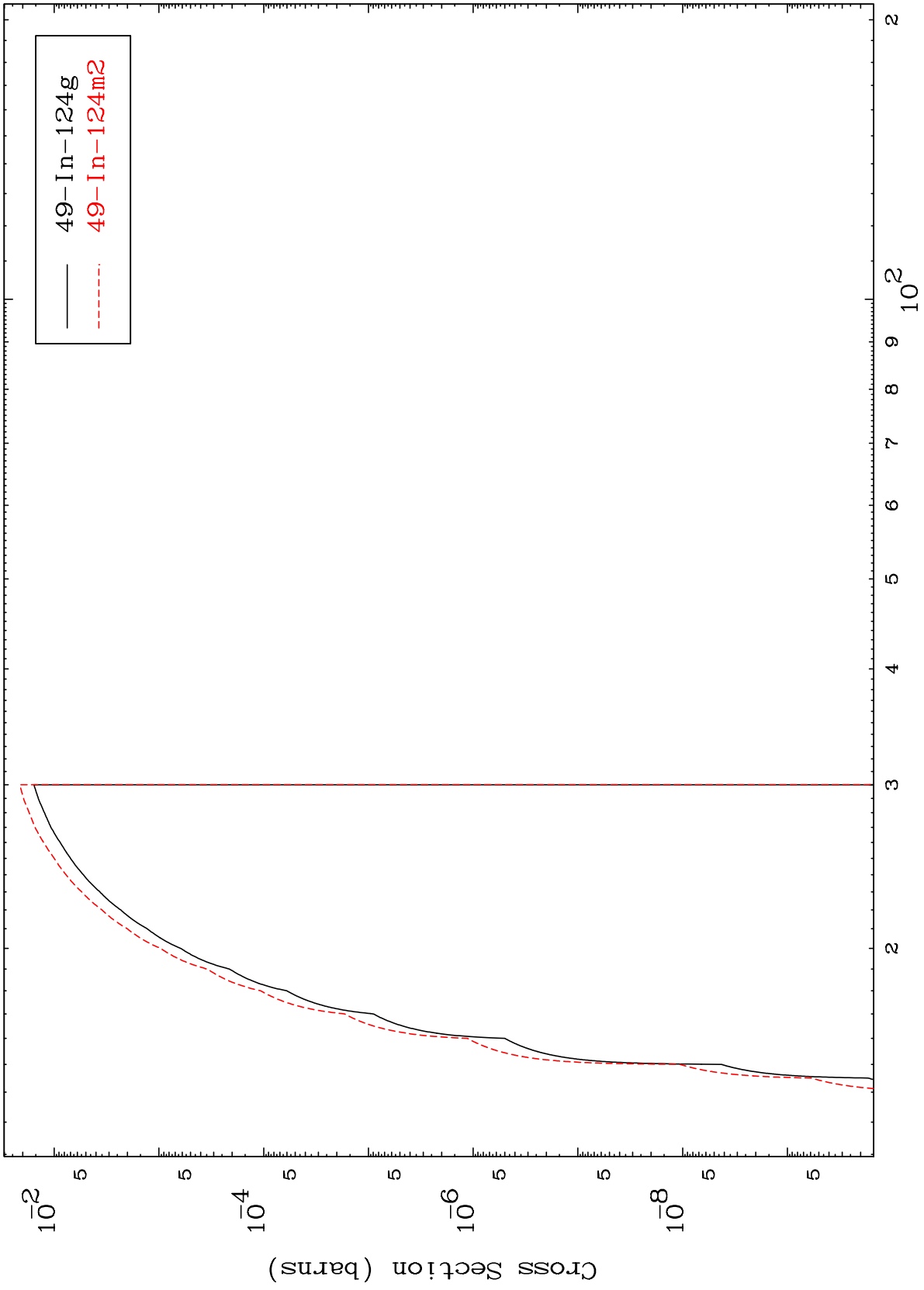
50-Sn-125

MAT 5064

(n,n') p

50-Sn-125

Radionuclide Production Cross Section



135

Incident Energy (MeV)

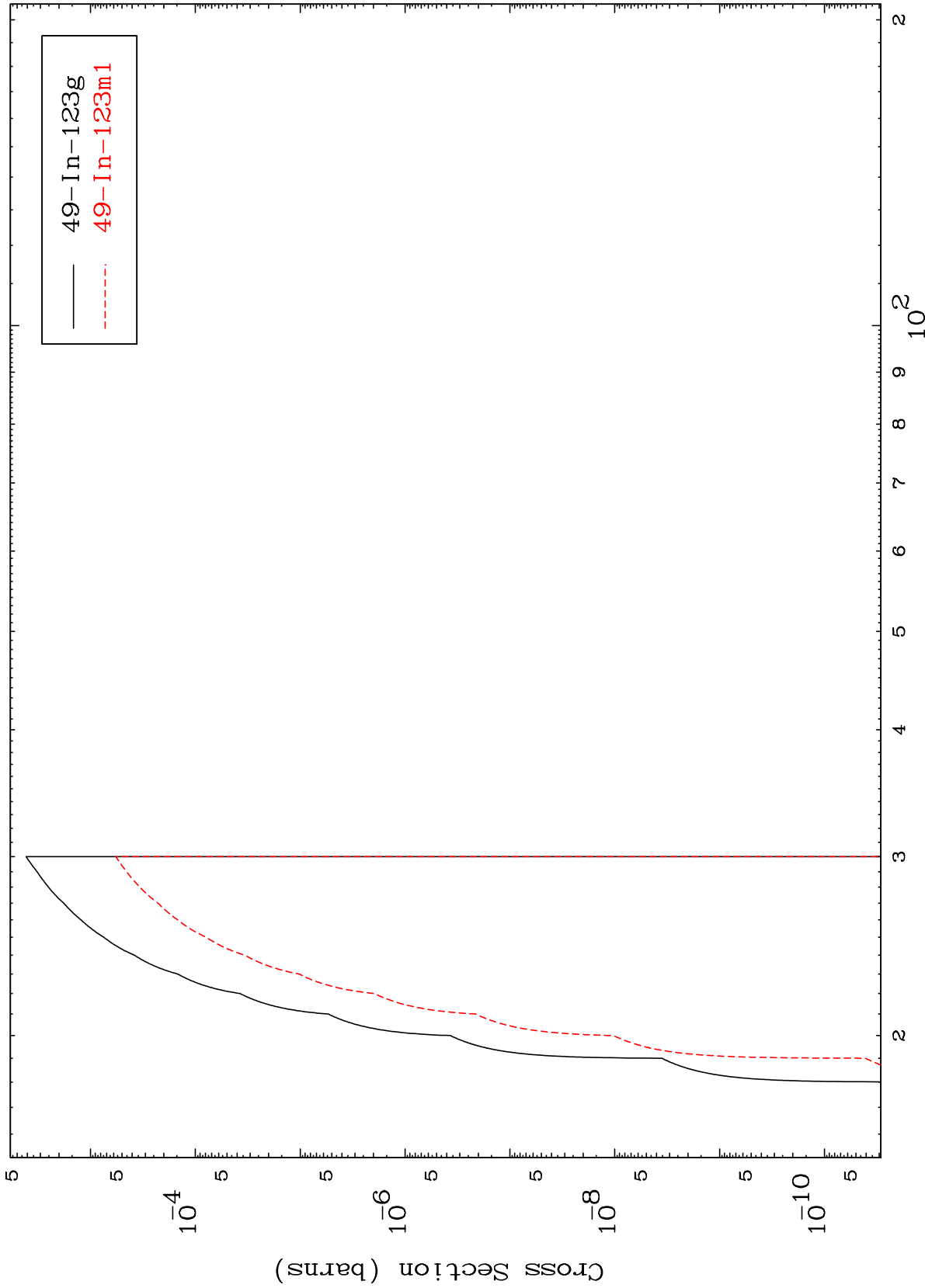
50-Sn-125

MAT 5064

(n,n') d

50-Sn-125

Radionuclide Production Cross Section



49-In-123g
49-In-123m1

136

Incident Energy (MeV)

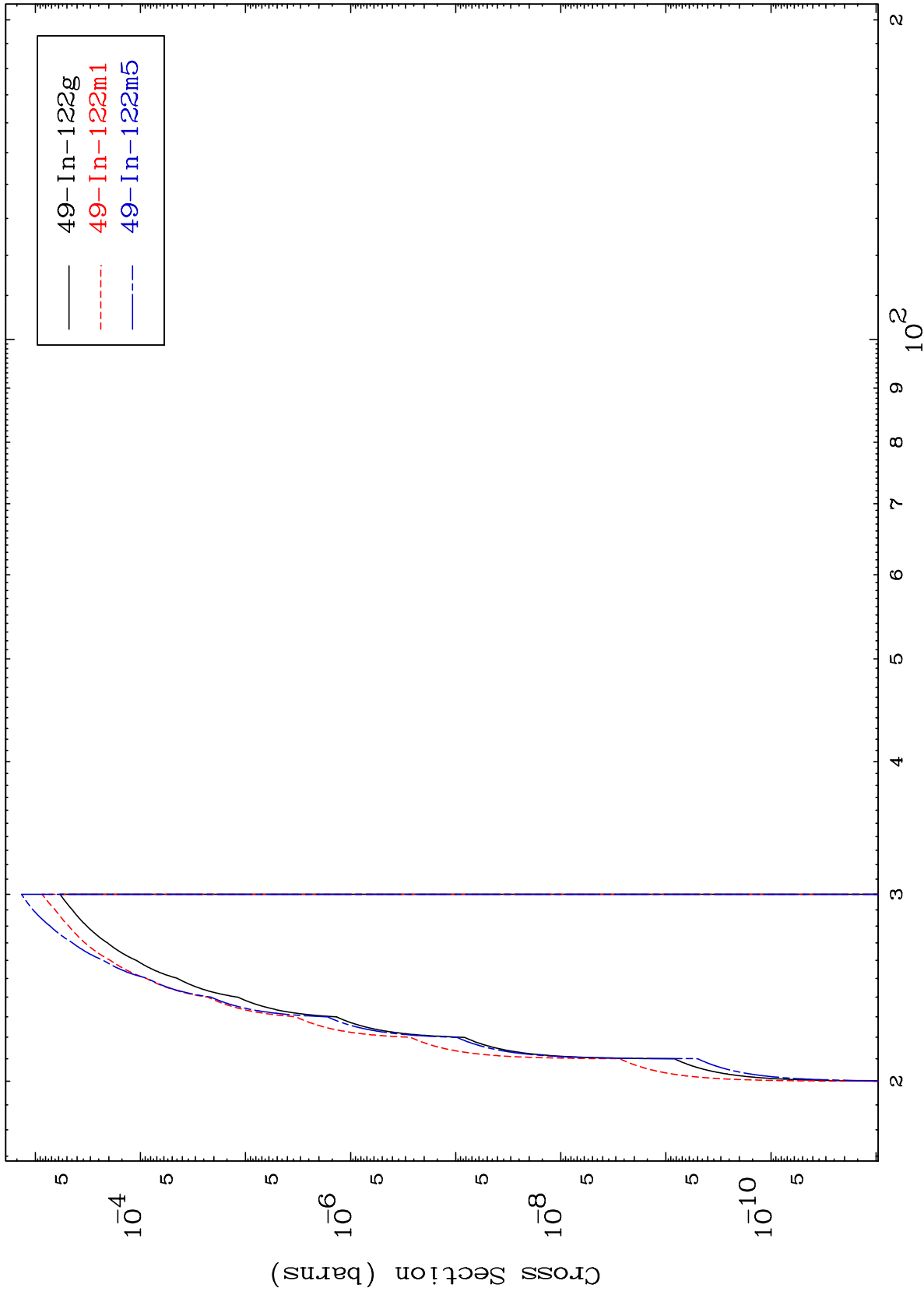
50-Sn-125

MAT 5064

(n,n') t

50-Sn-125

Radionuclide Production Cross Section



137

Incident Energy (MeV)

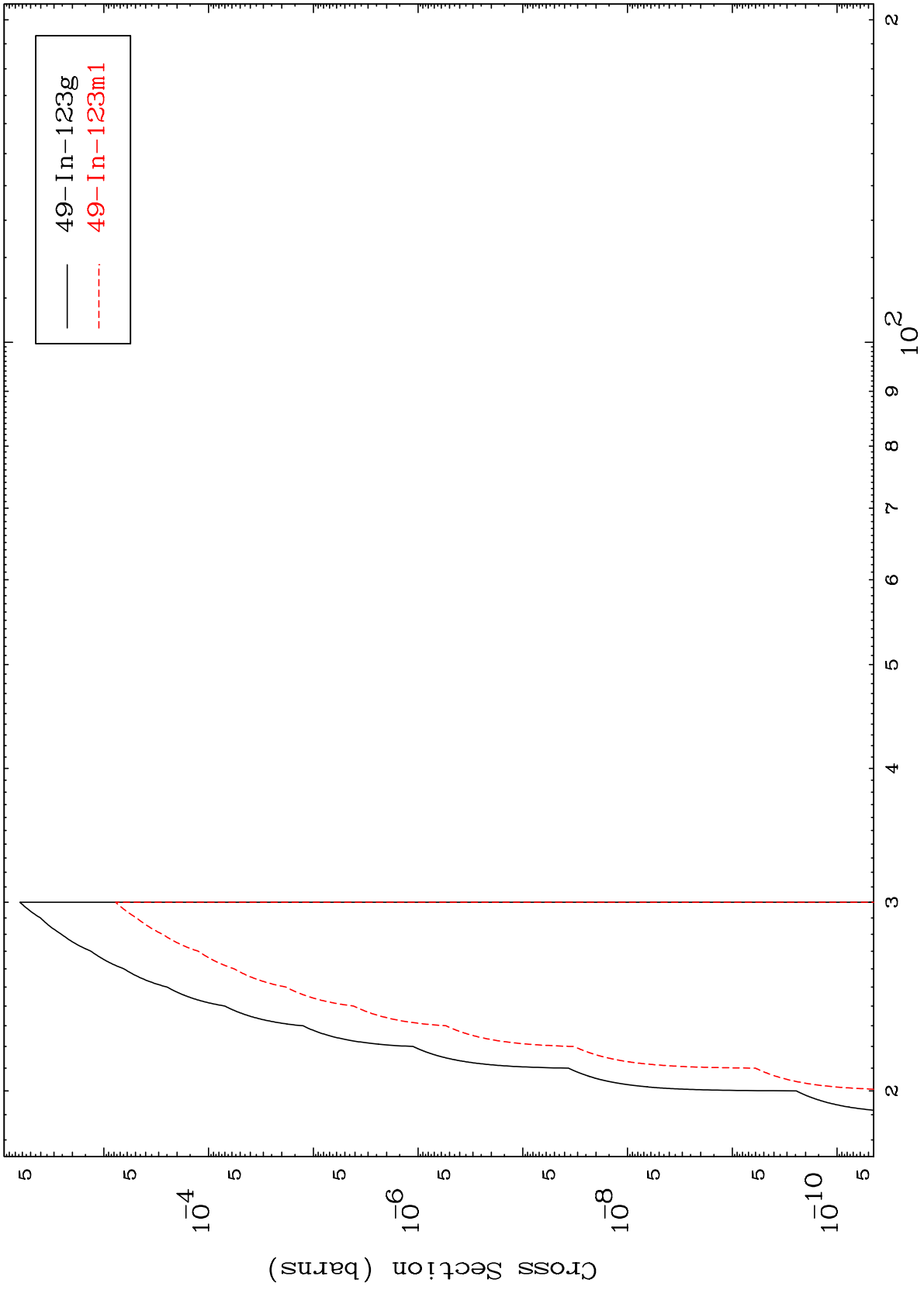
50-Sn-125

MAT 5064

(n,2n) p

50-Sn-125

Radionuclide Production Cross Section



138

Incident Energy (MeV)

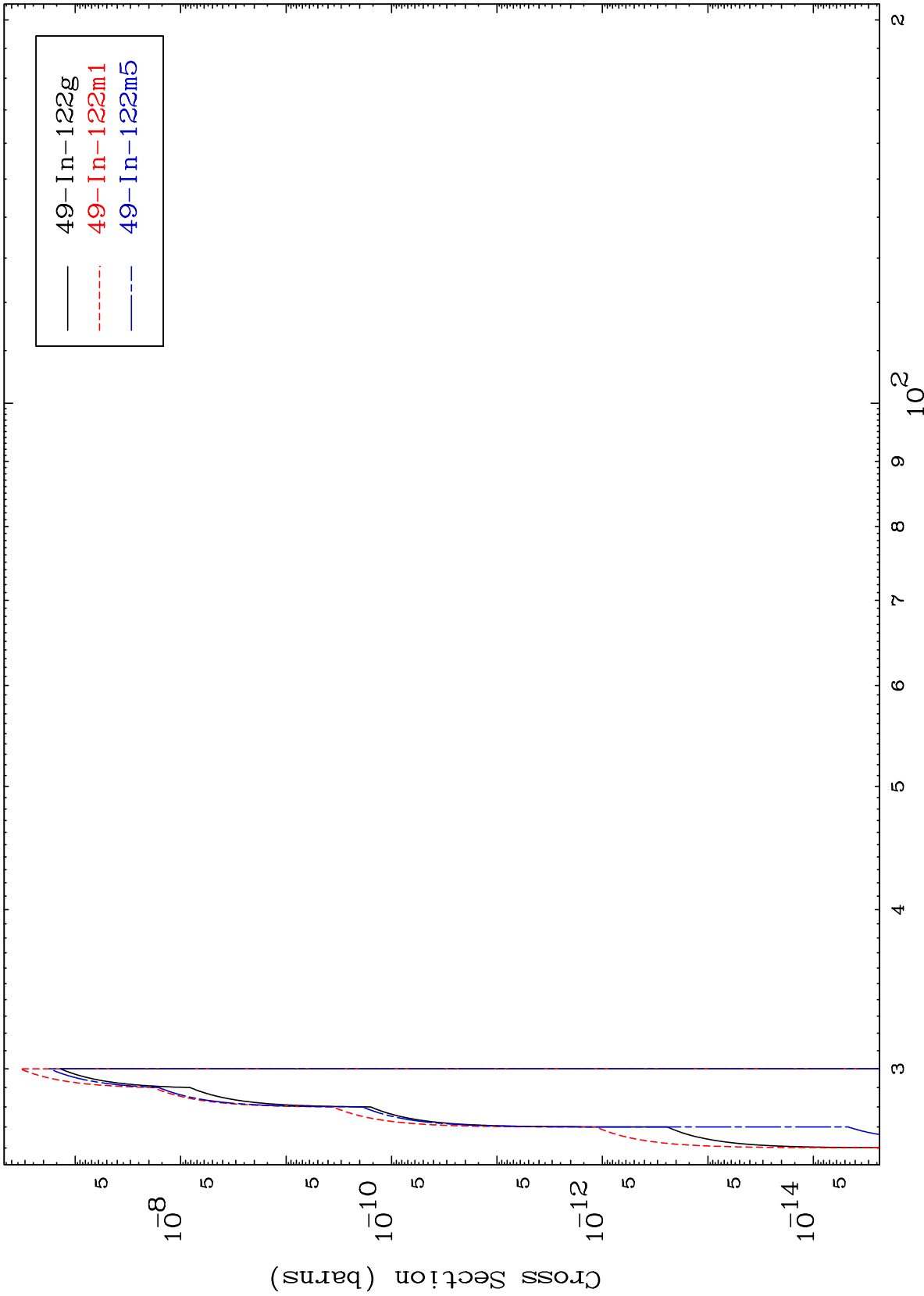
50-Sn-125

MAT 5064

(n,3n) p

50-Sn-125

Radionuclide Production Cross Section



139

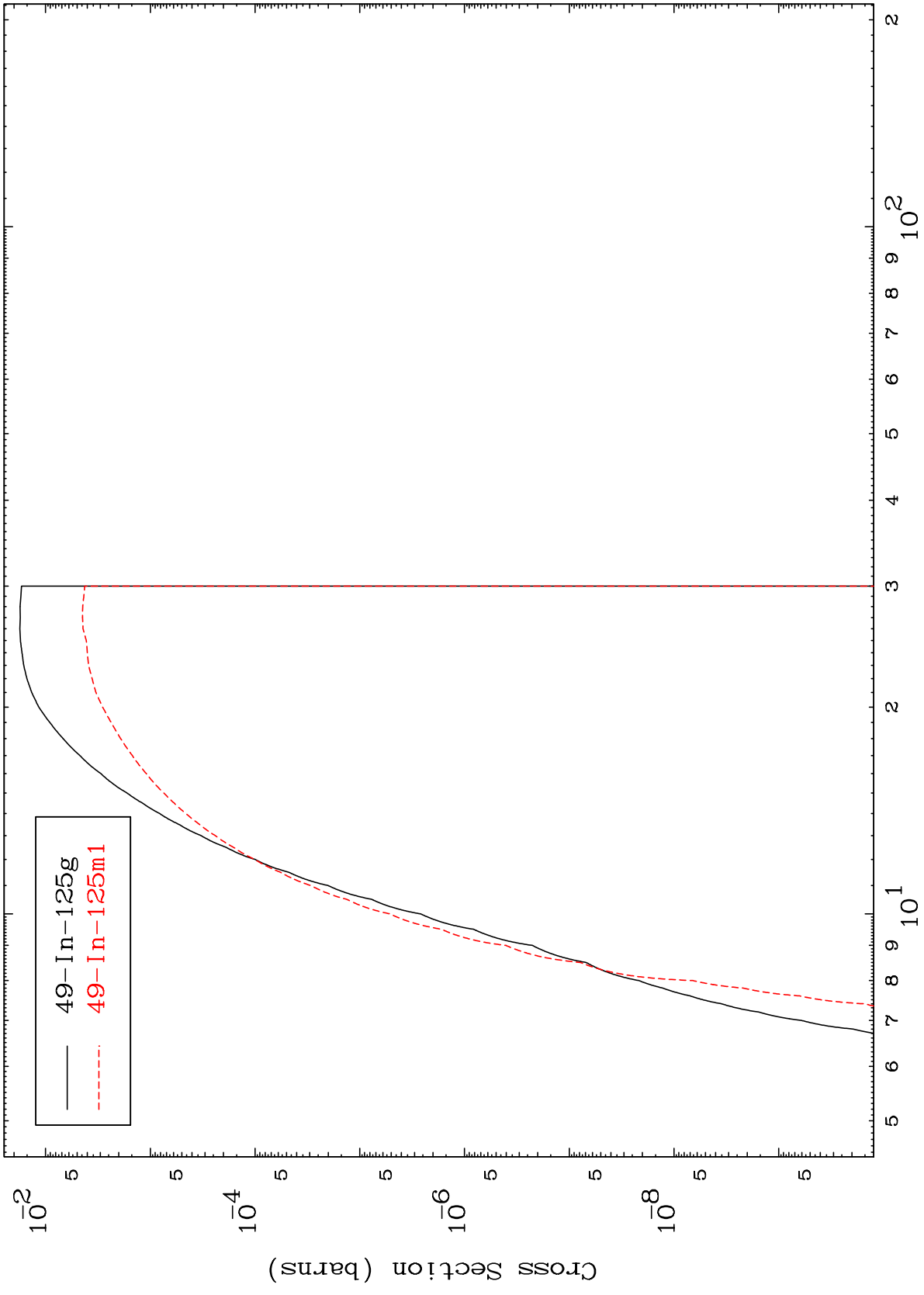
Incident Energy (MeV)

50-Sn-125

MAT 5064

Radionuclide Production Cross Section
(n,p)

50-Sn-125



140

Incident Energy (MeV)

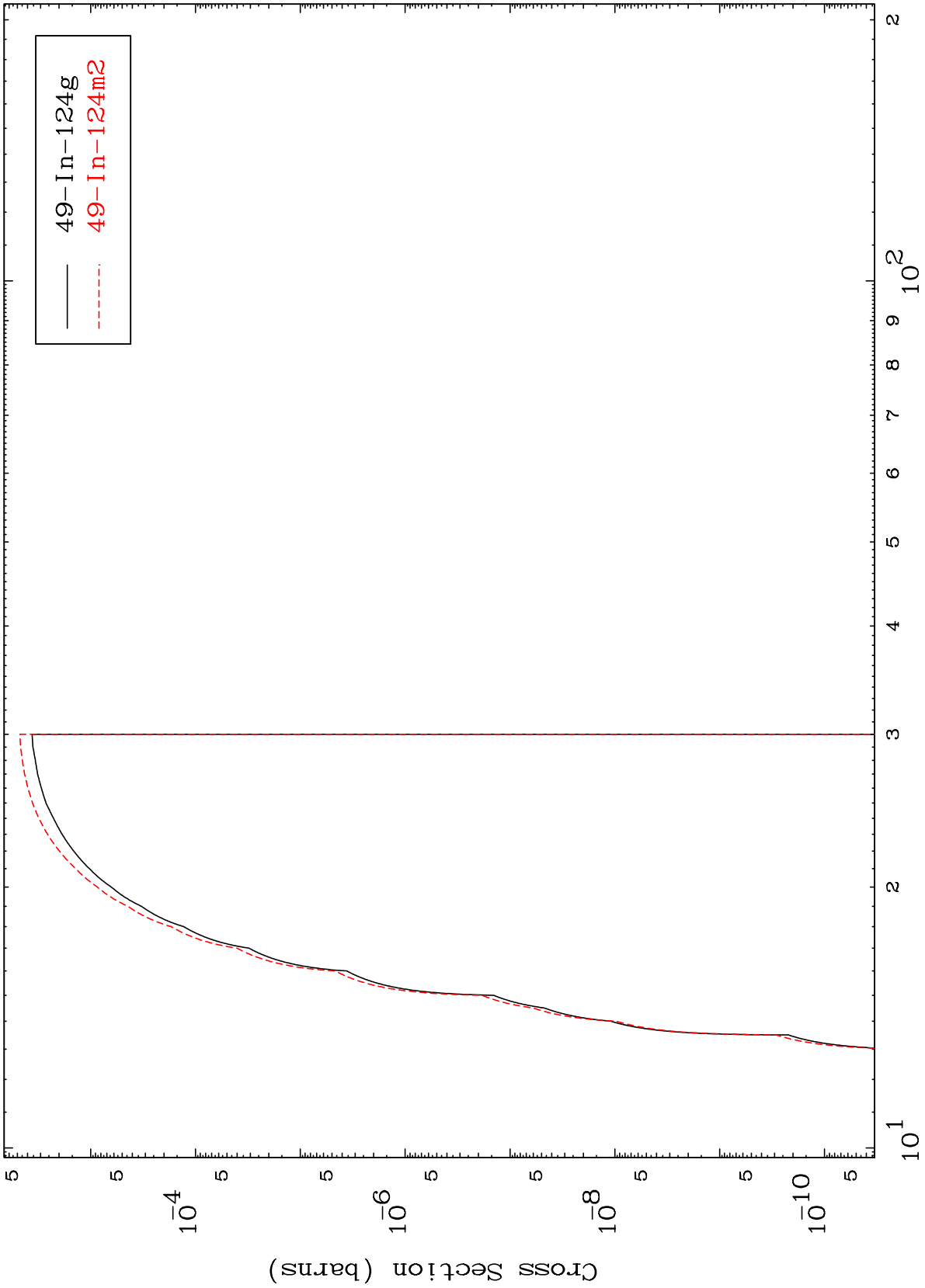
50-Sn-125

MAT 5064

(n,d)

50-Sn-125

Radionuclide Production Cross Section



141

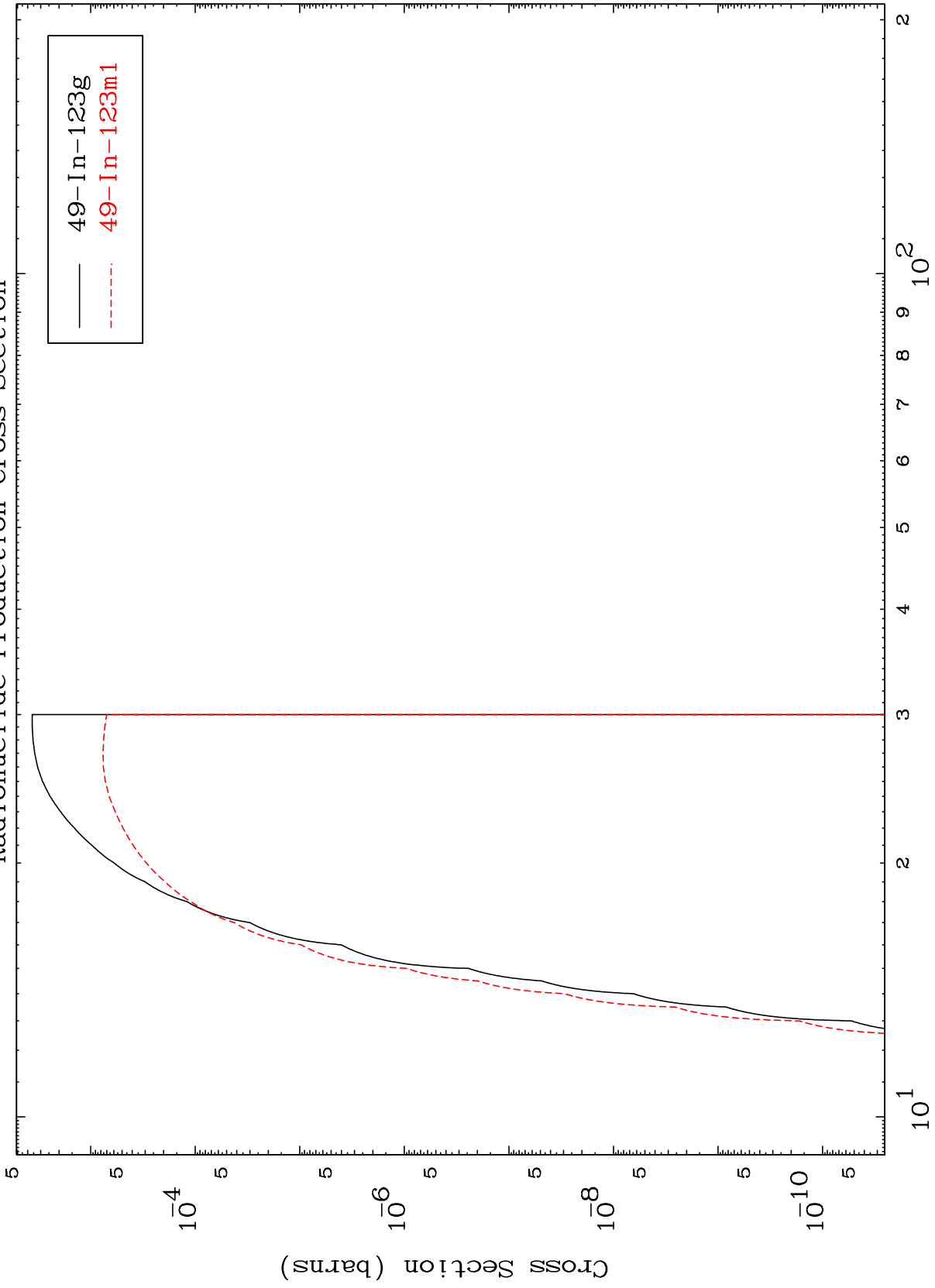
Incident Energy (MeV)

50-Sn-125

MAT 5064

50-Sn-125

(n, t)
Radionuclide Production Cross Section



142

Incident Energy (MeV)

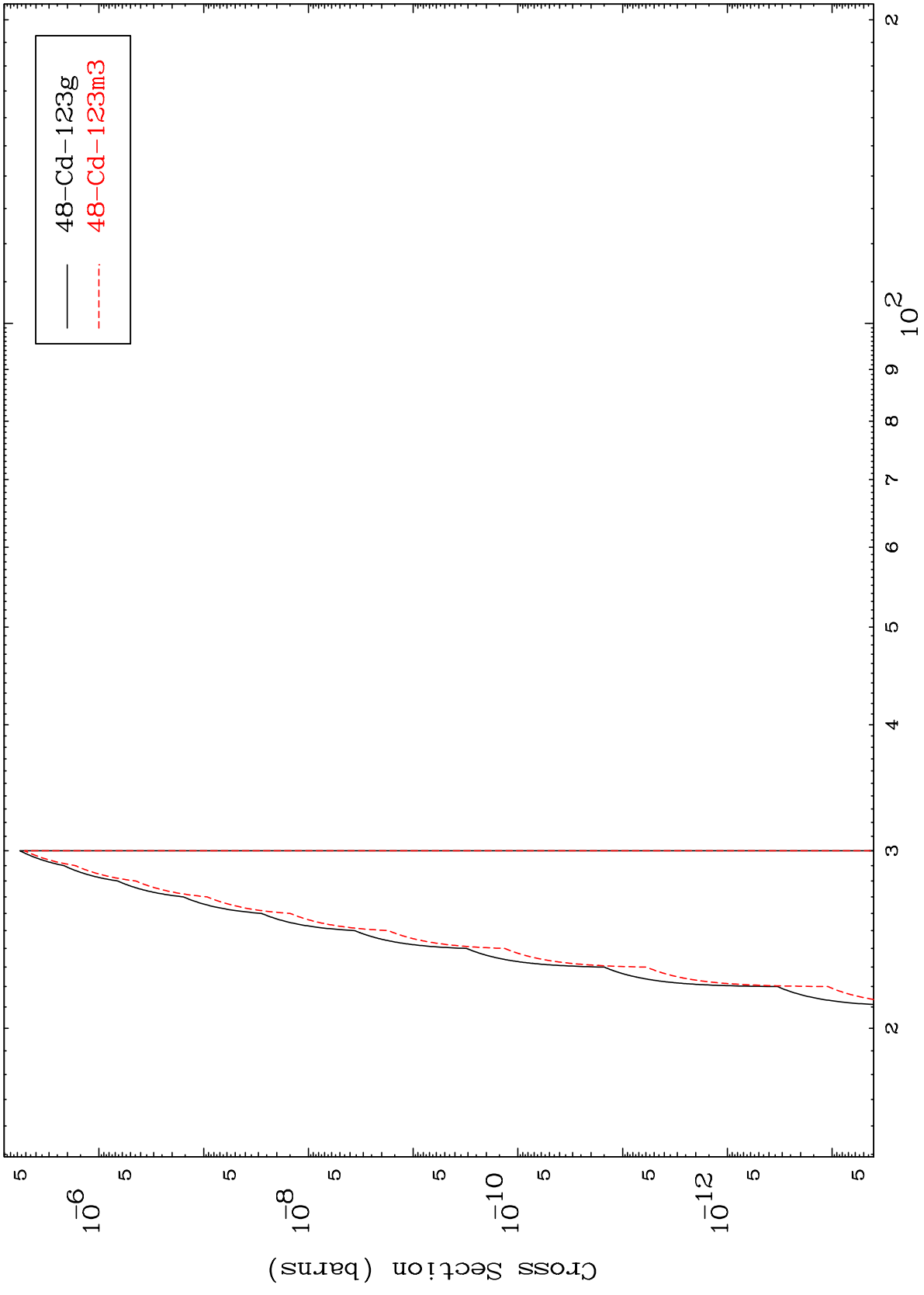
50-Sn-125

MAT 5064

(n, He-3)

50-Sn-125

Radionuclide Production Cross Section



48-Cd-123g
48-Cd-123m3

143

Incident Energy (MeV)

50-Sn-125