

Program EVALPLOT
(Version 2021-1)

by

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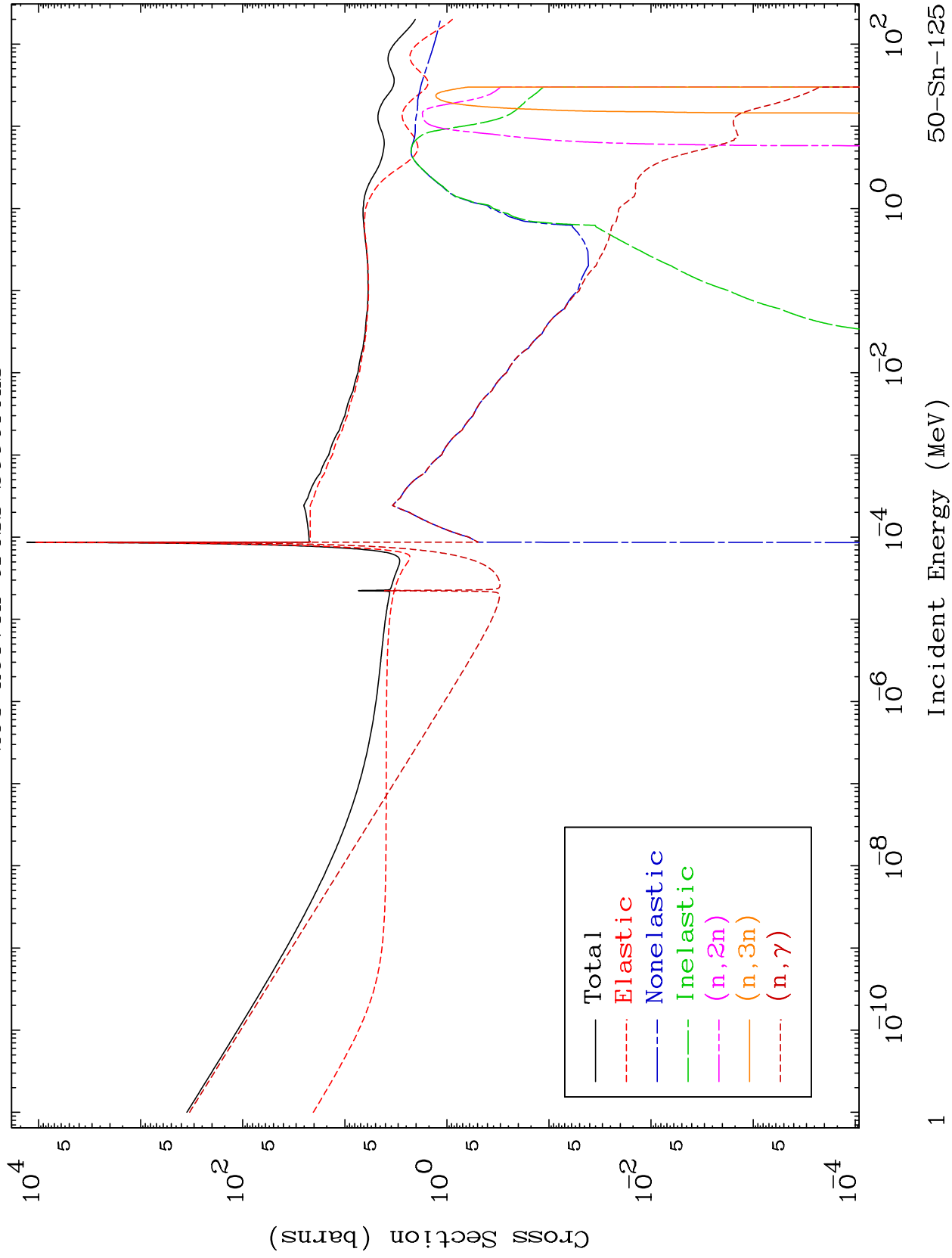
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5064

Neutron Major
293 Kelvin Cross Sections

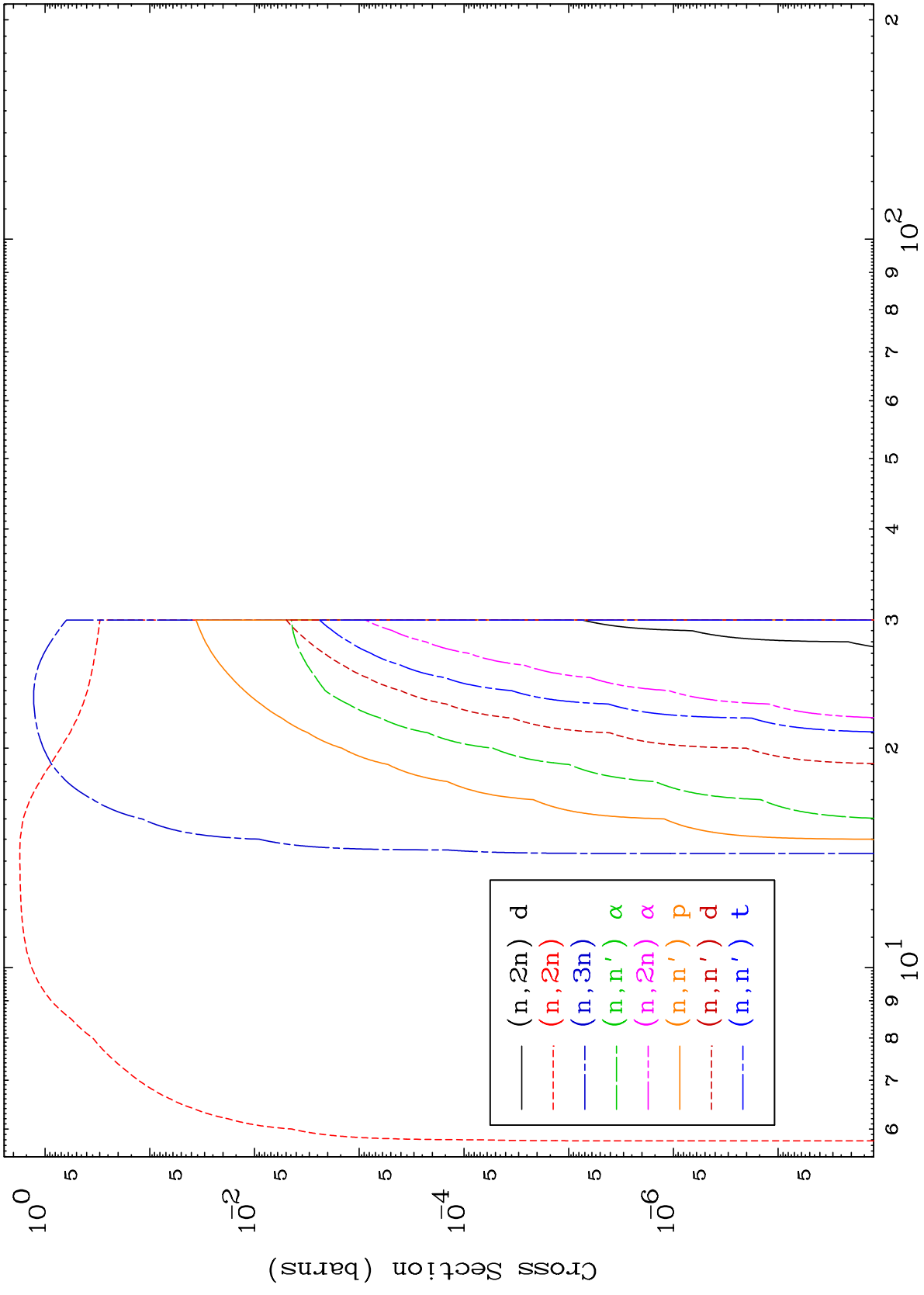
50-Sn-125



MAT 5064

Neutron Absorption
293 Kelvin Cross Sections

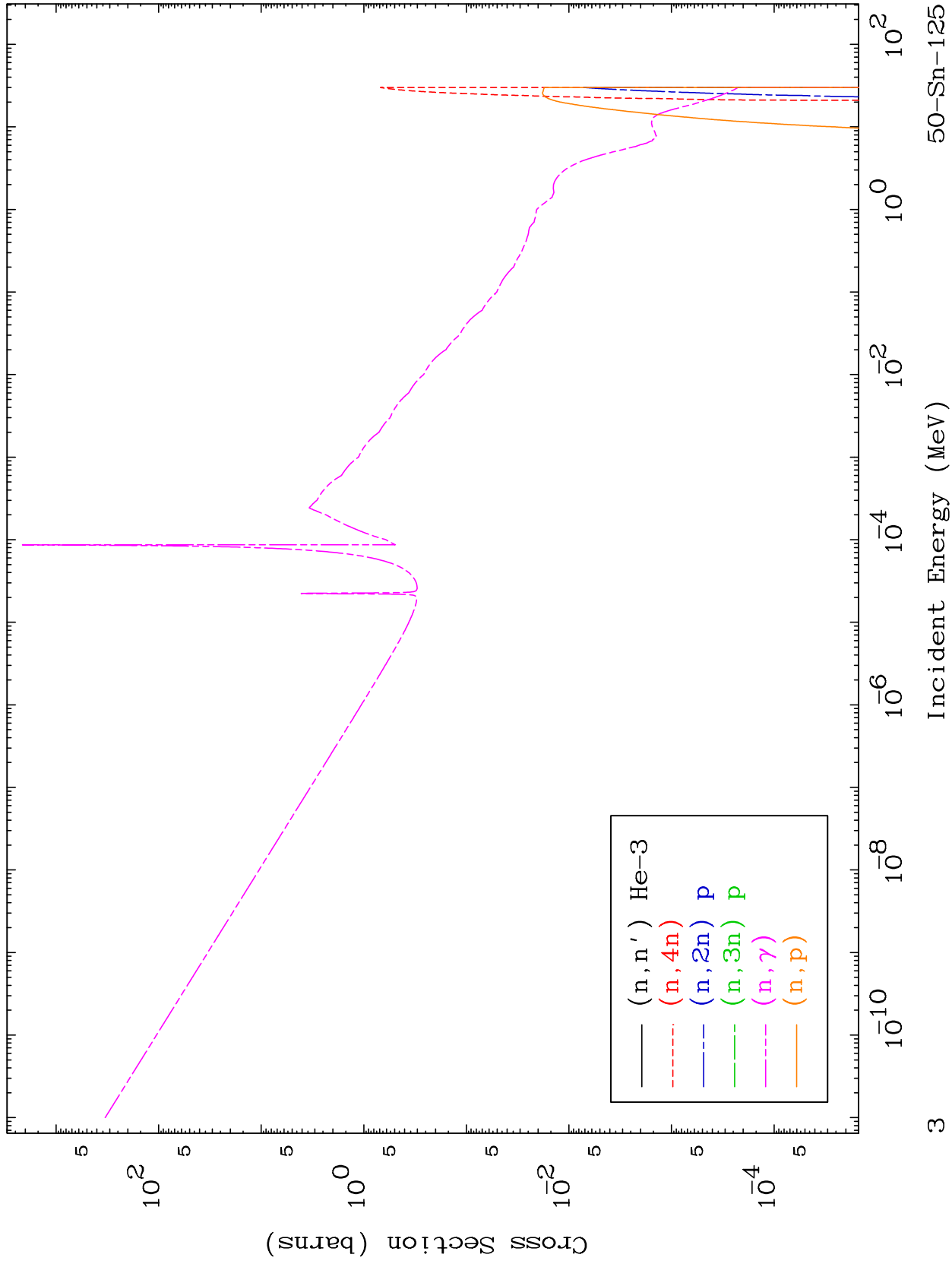
50-Sn-125



2

Incident Energy (MeV)

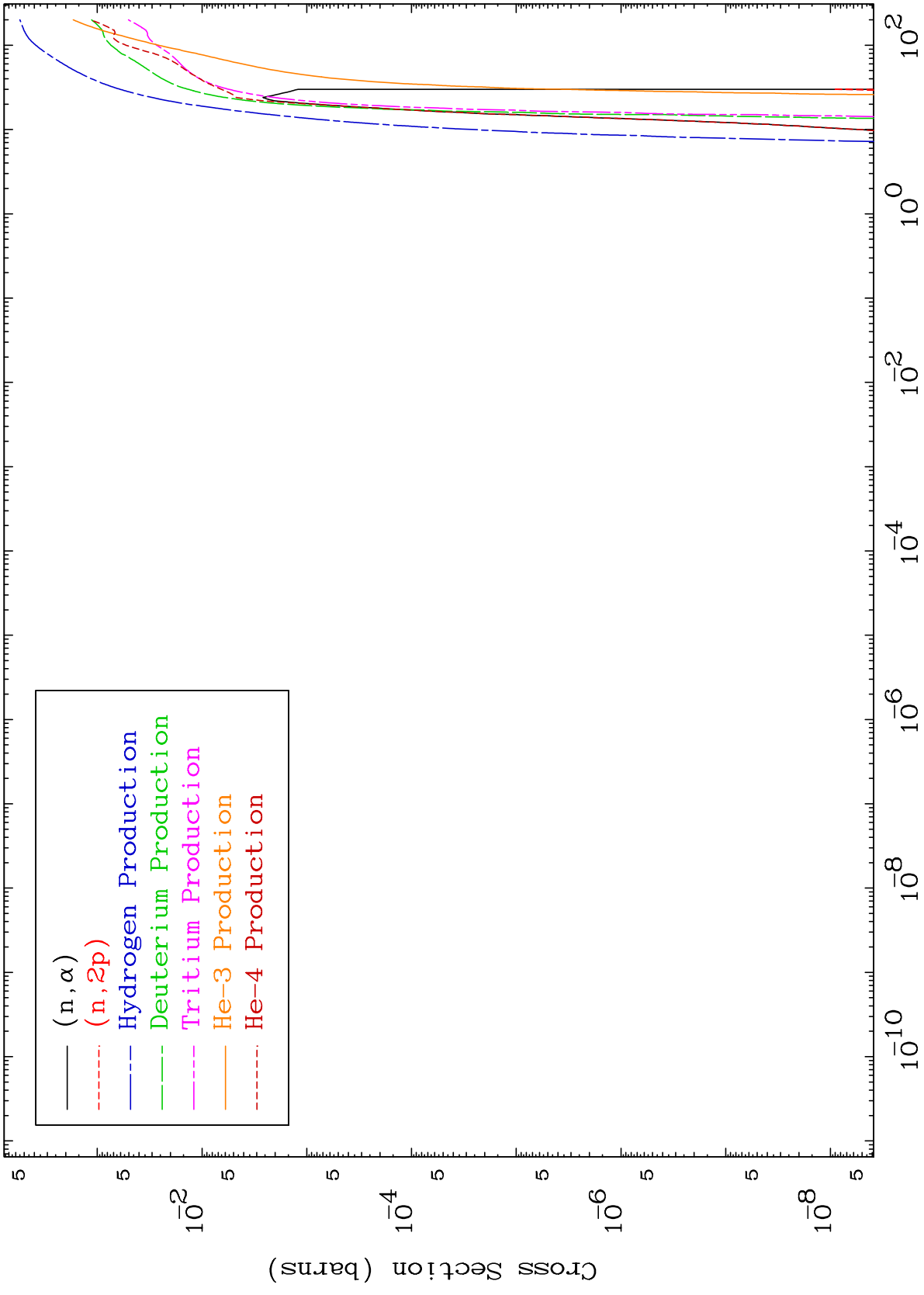
50-Sn-125



MAT 5064

Neutron Absorption
293 Kelvin Cross Sections

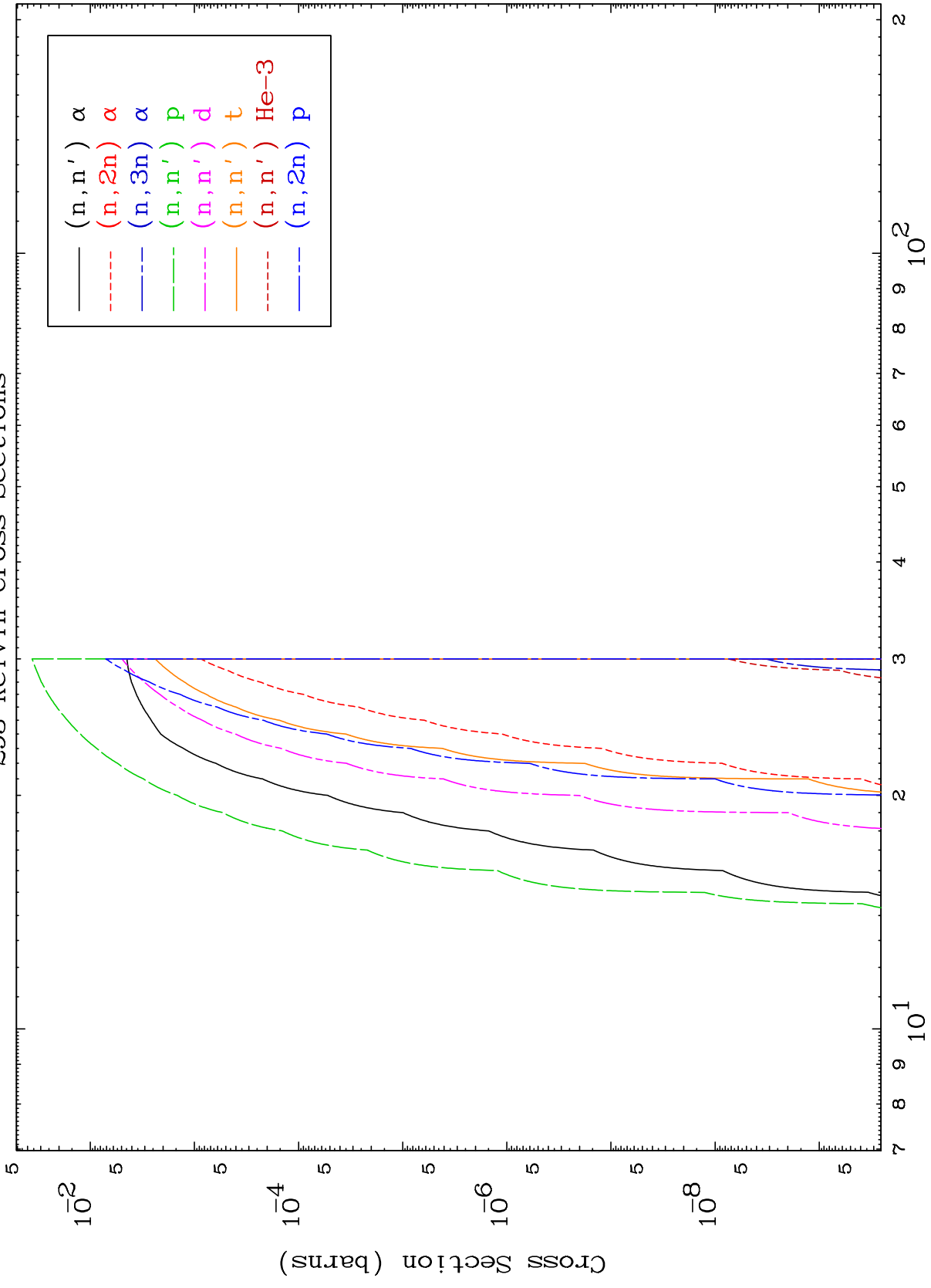
50-Sn-125



MAT 5064

Charged Particle
293 Kelvin Cross Sections

50-Sn-125



5

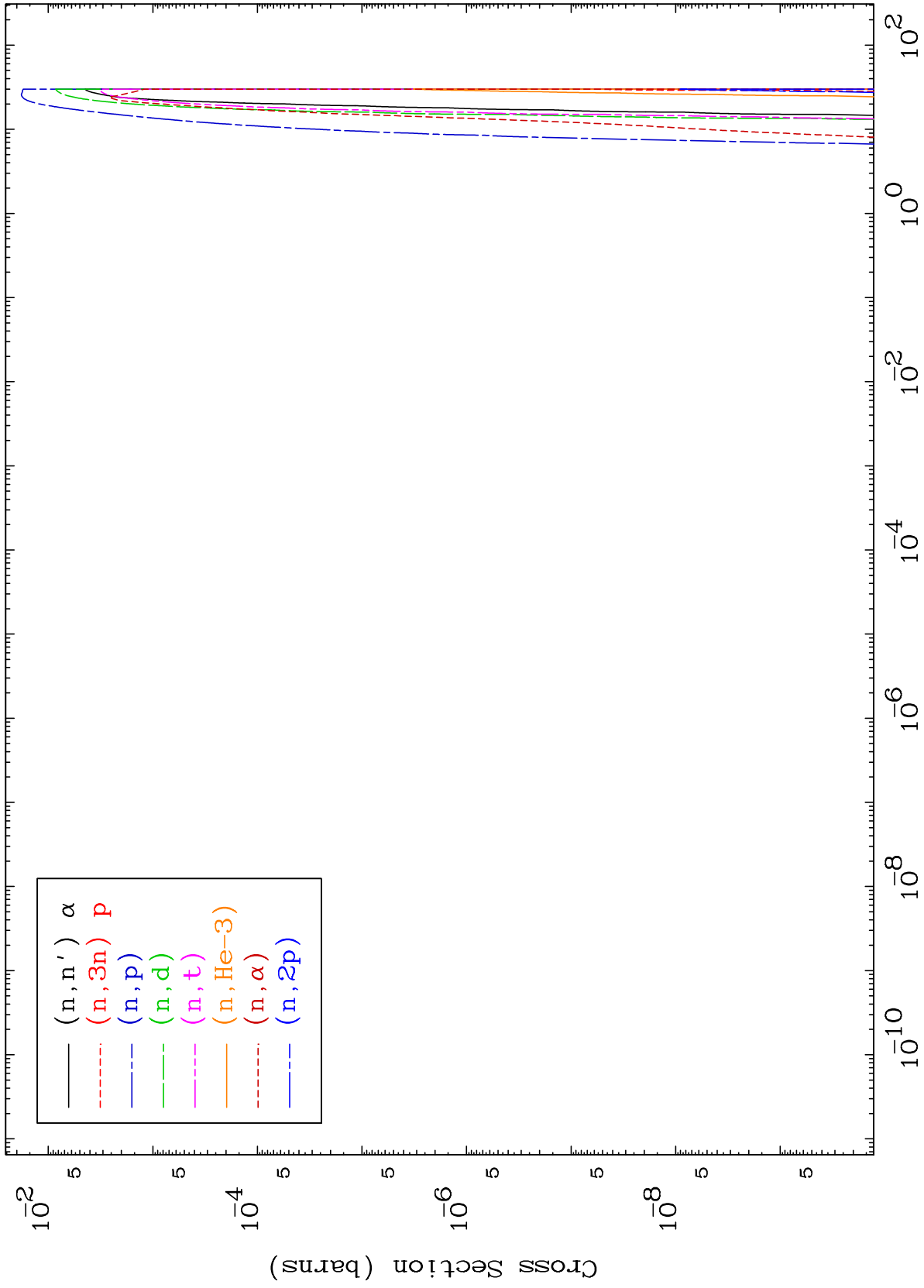
Incident Energy (MeV)

50-Sn-125

MAT 5064

293 Kelvin Cross Sections

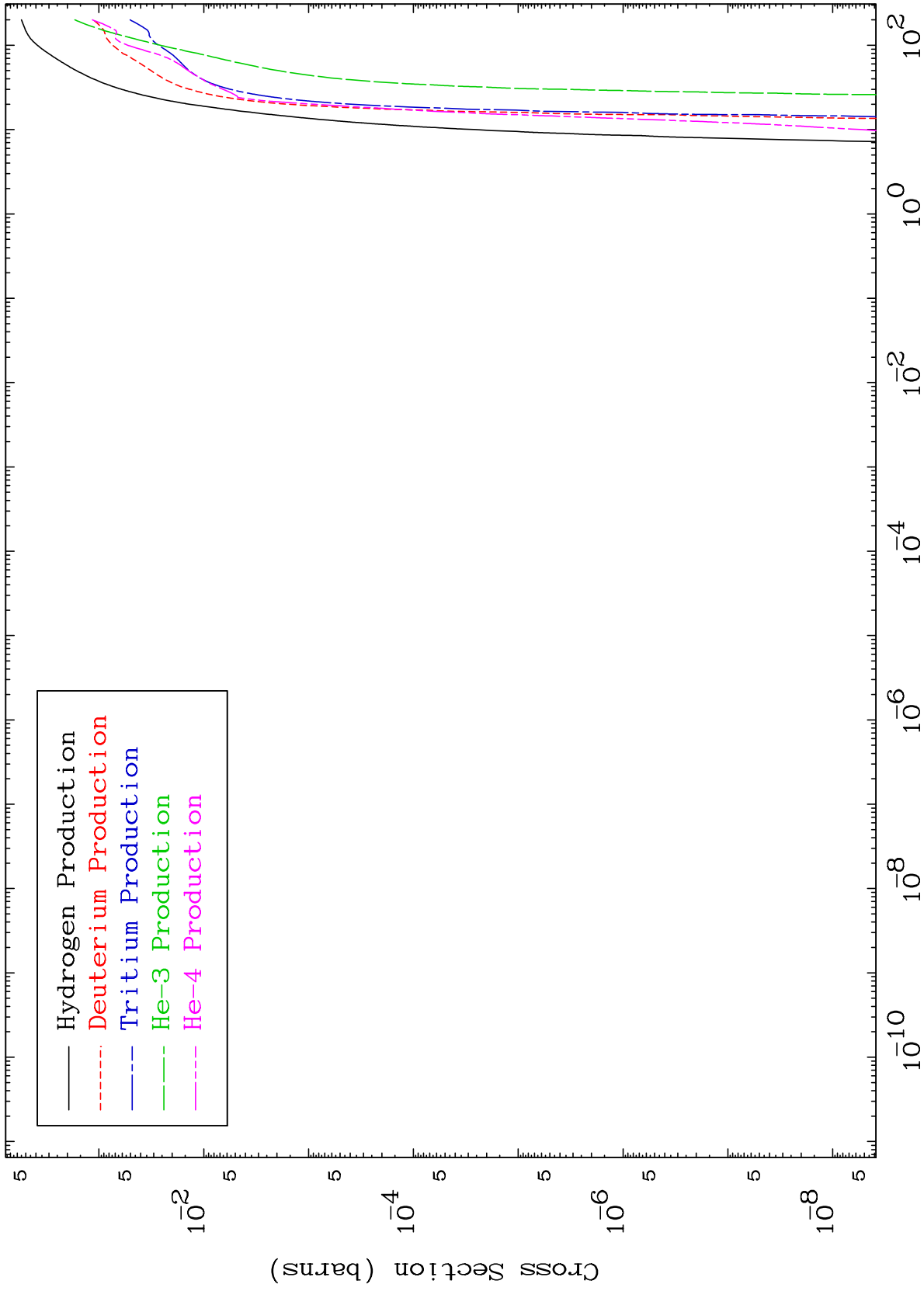
50-Sn-125



MAT 5064

Particle Production
293 Kelvin Cross Sections

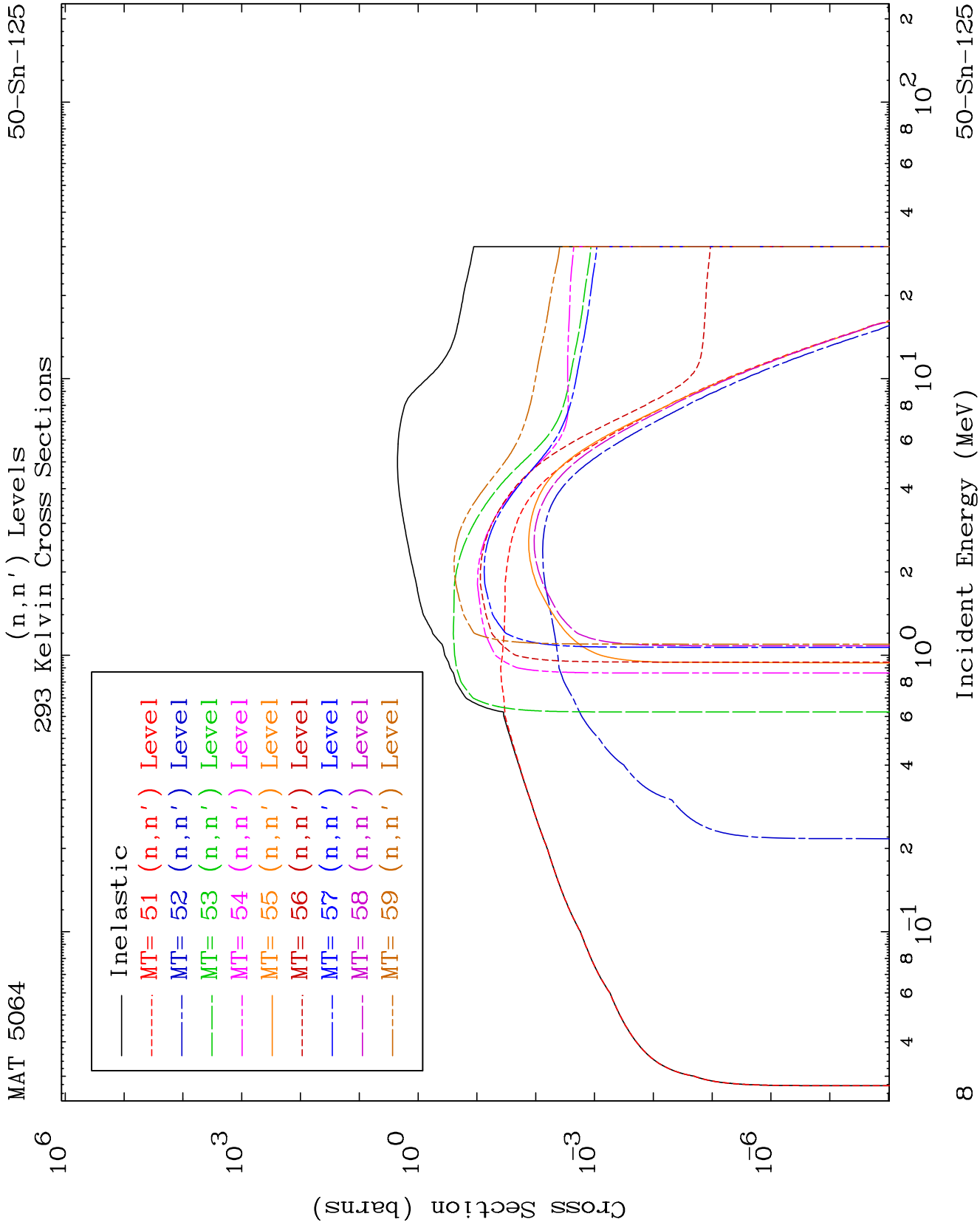
50-Sn-125



7

Incident Energy (MeV)

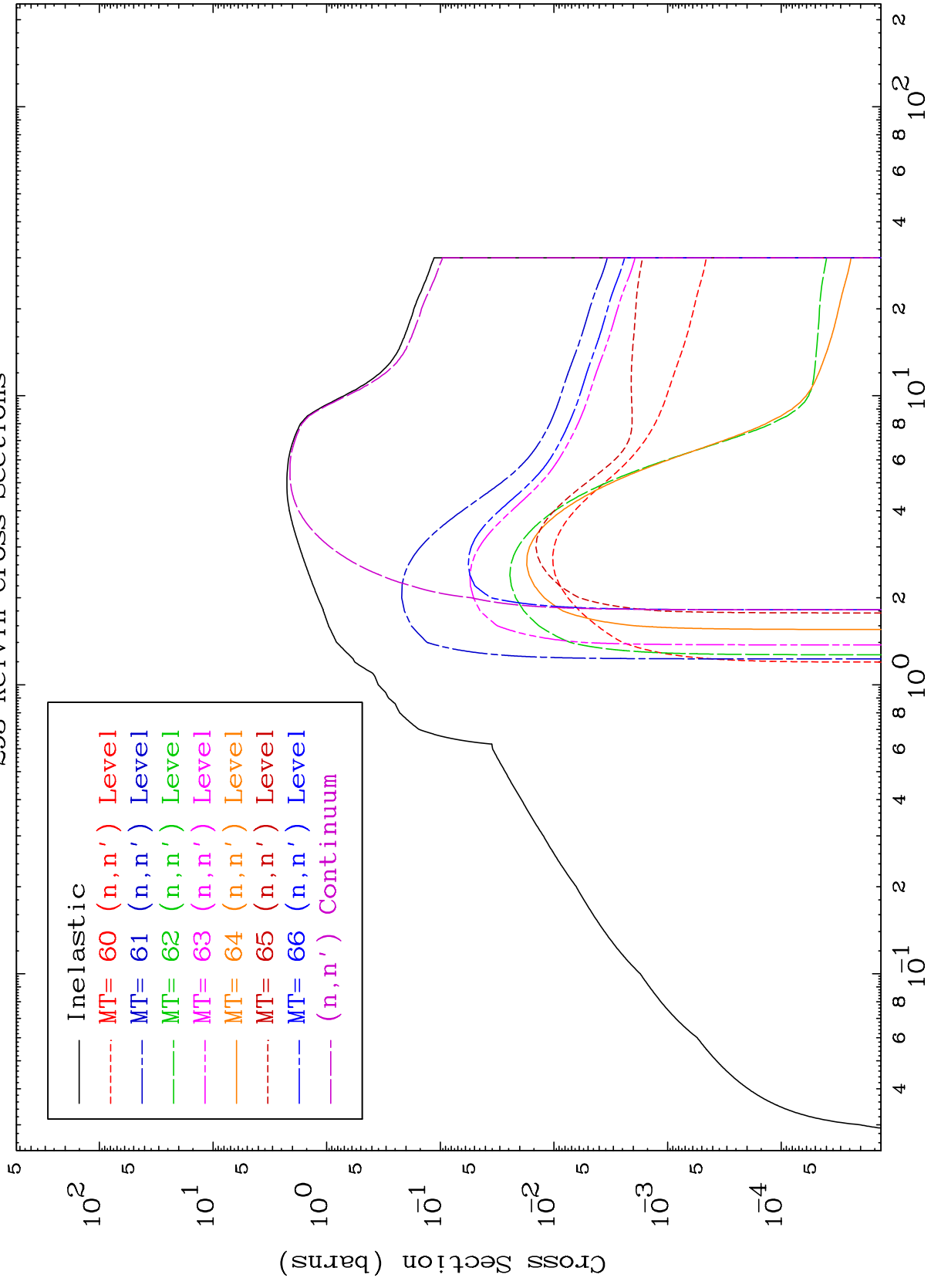
50-Sn-125



MAT 5064

293 Kelvin Cross Sections

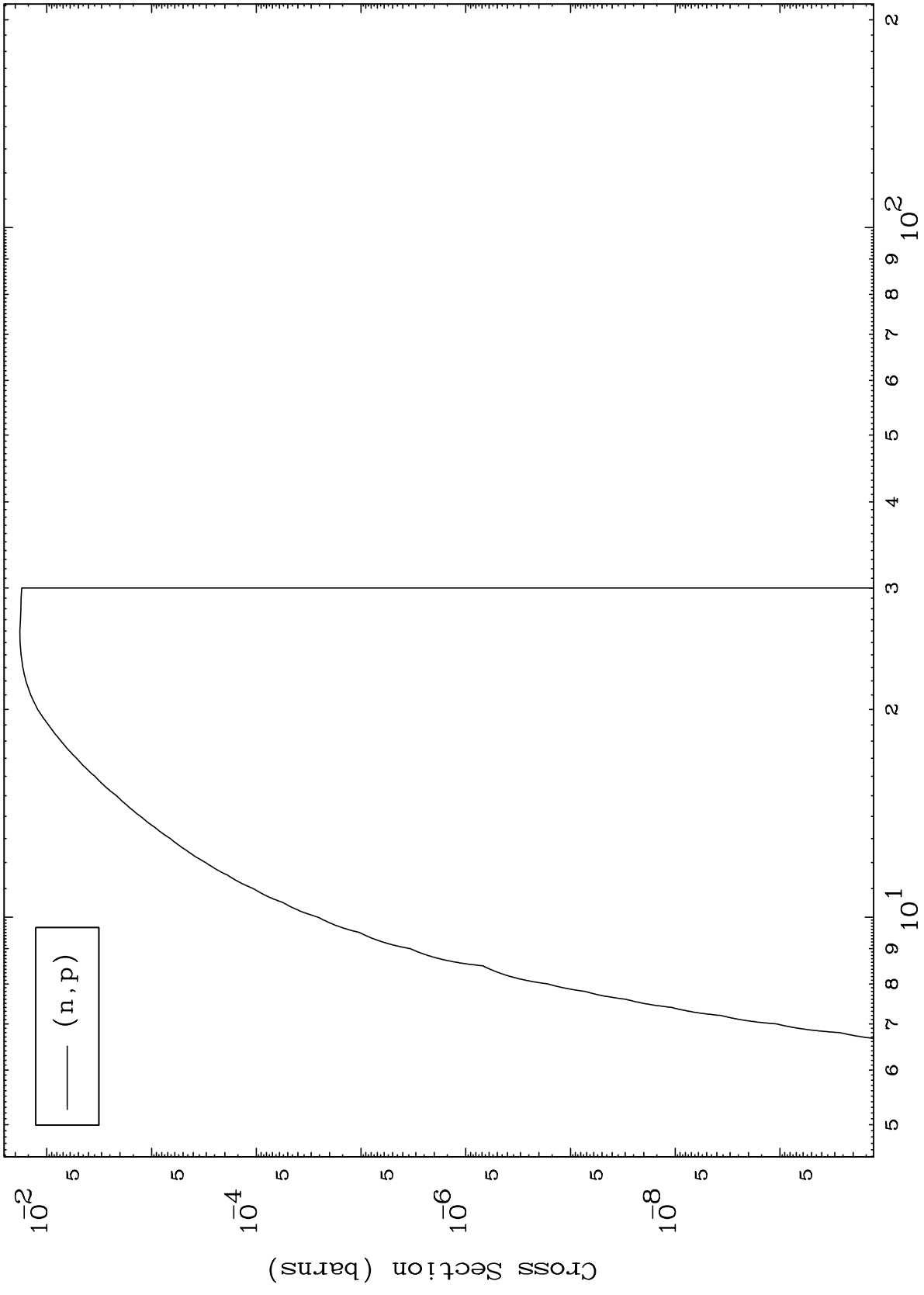
50-Sn-125



MAT 5064

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-125



10

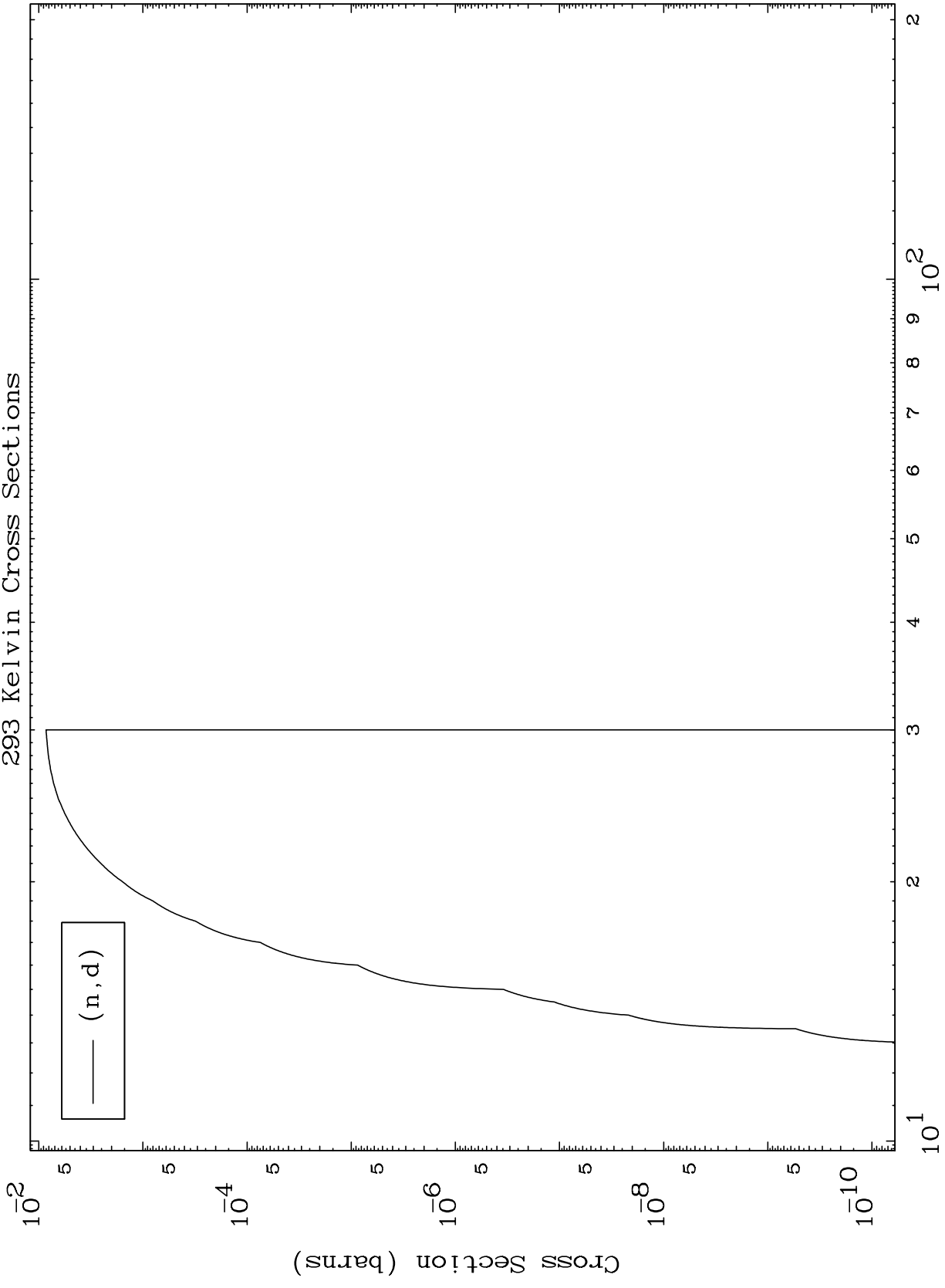
Incident Energy (MeV)

50-Sn-125

MAT 5064

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-125



11

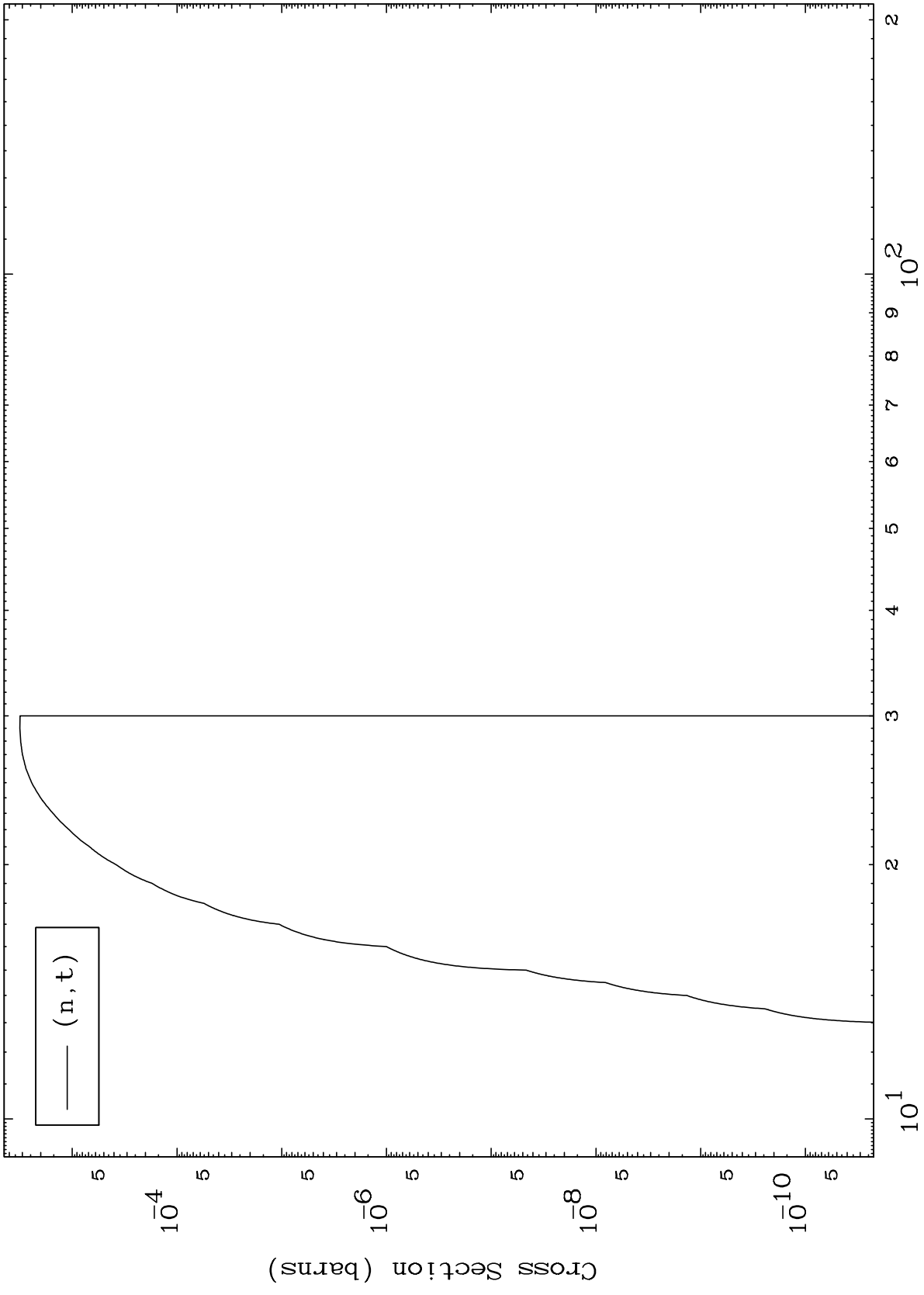
Incident Energy (MeV)

50-Sn-125

MAT 5064

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-125



12

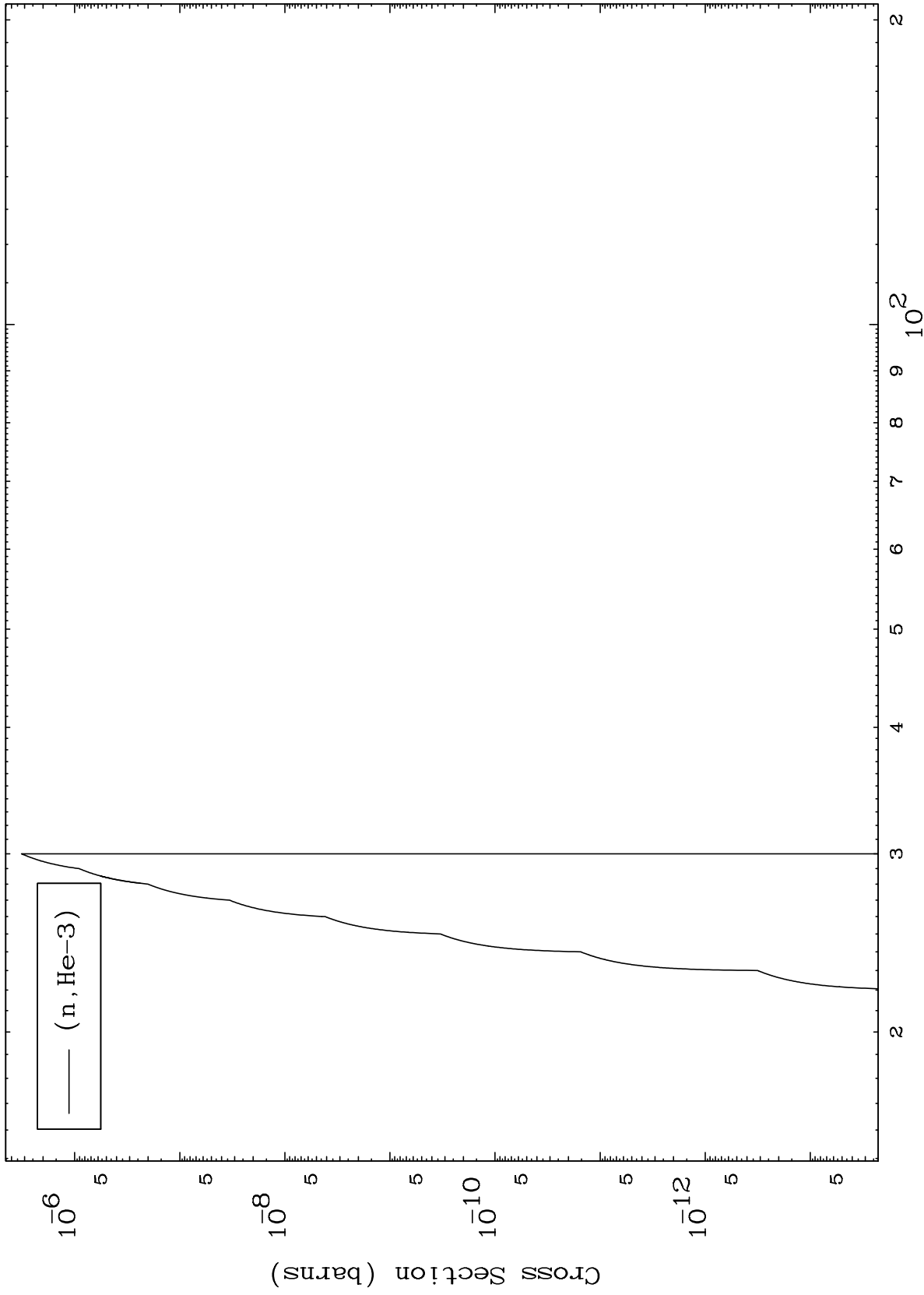
Incident Energy (MeV)

50-Sn-125

MAT 5064

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-125



13

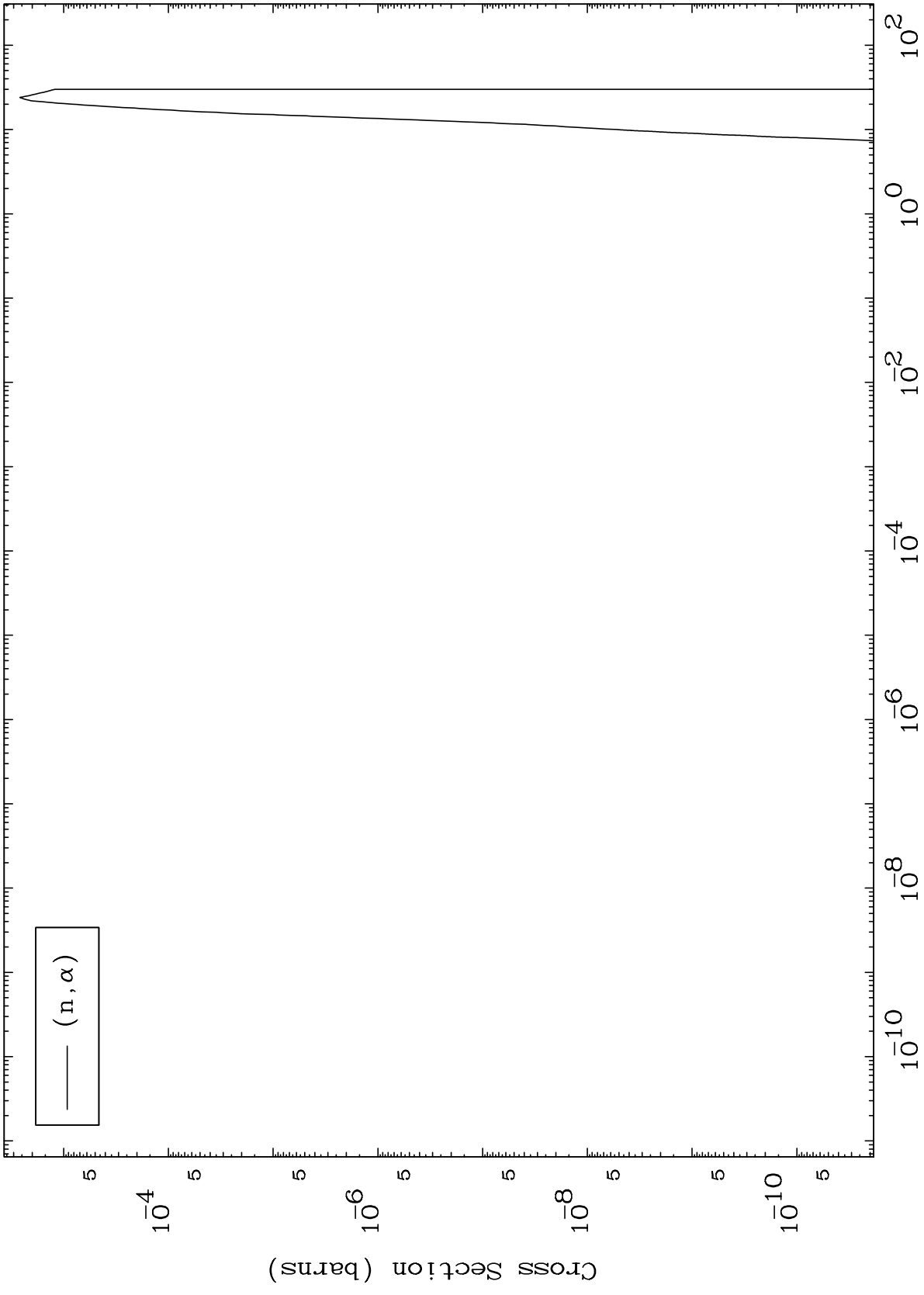
Incident Energy (MeV)

50-Sn-125

MAT 5064

(n,α) Levels
293 Kelvin Cross Sections

50-Sn-125



50-Sn-125

MAT 5064

Elastic Legendre Coefficients

50-Sn-125



15

10

20

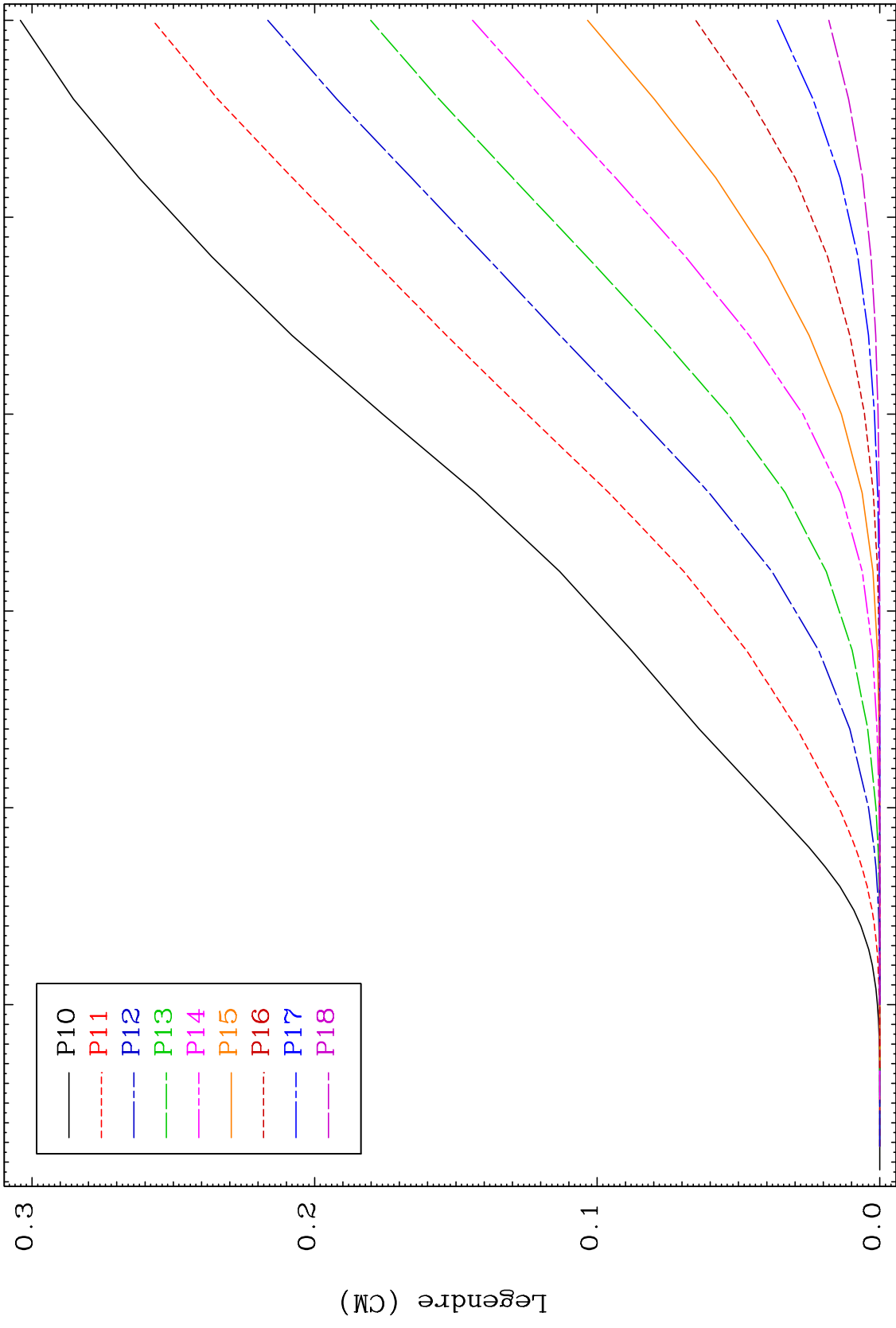
30

50-Sn-125

MAT 5064

Elastic Legendre Coefficients

50-Sn-125



16

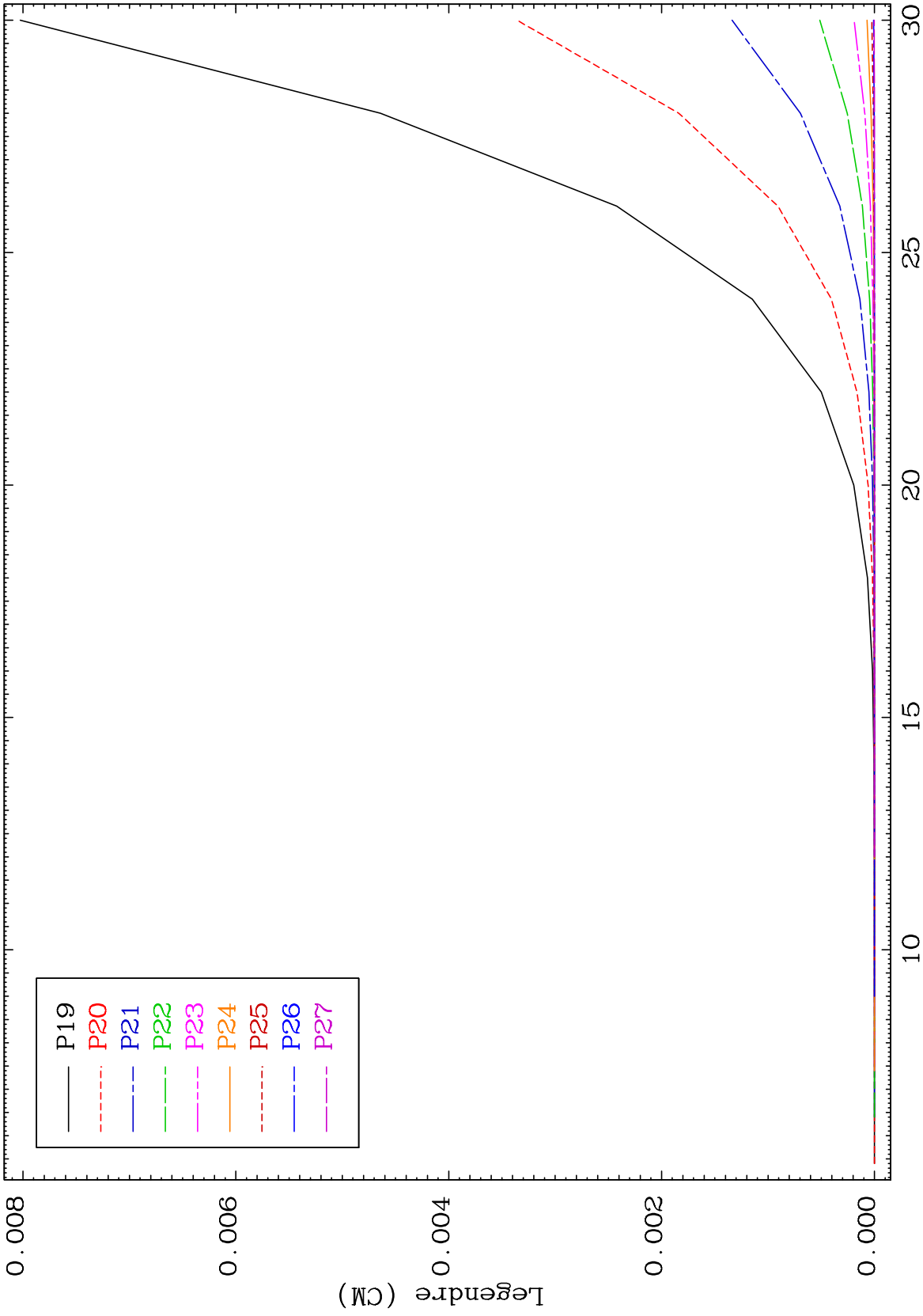
Incident Energy (MeV)

50-Sn-125

MAT 5064

Elastic
Legendre Coefficients

50-Sn-125



17

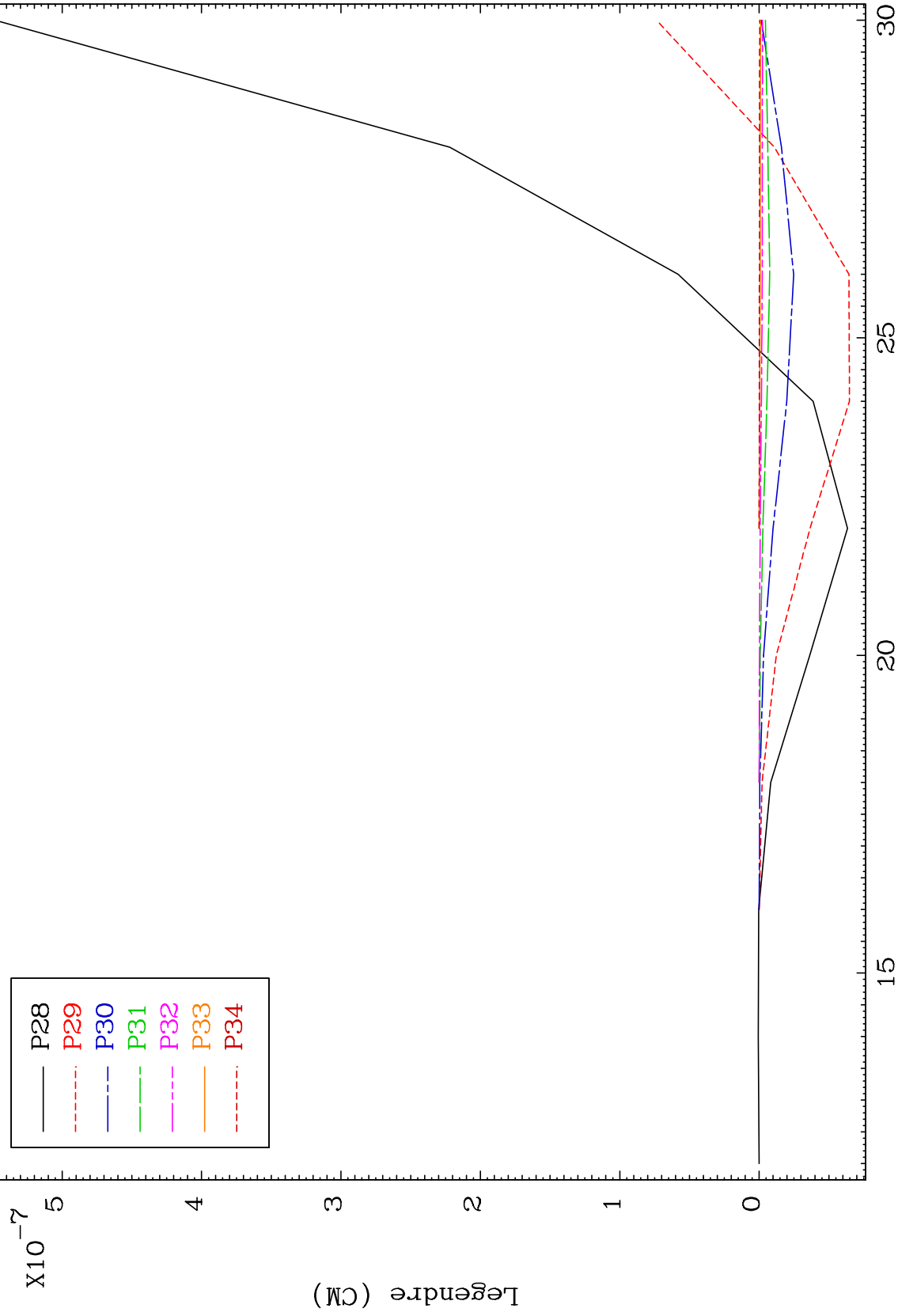
Incident Energy (MeV)

50-Sn-125

MAT 5064

Elastic
Legendre Coefficients

50-Sn-125



18

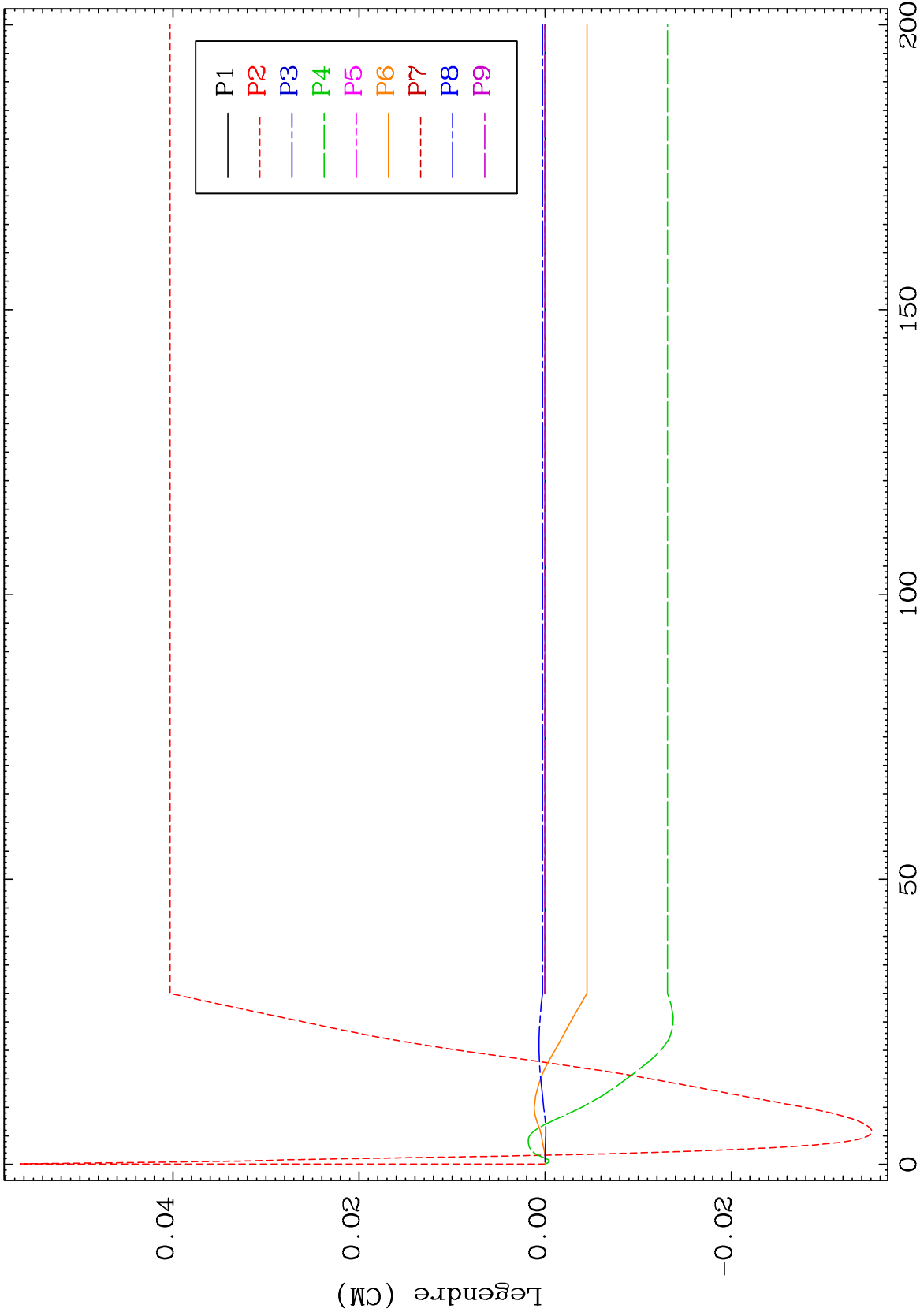
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125

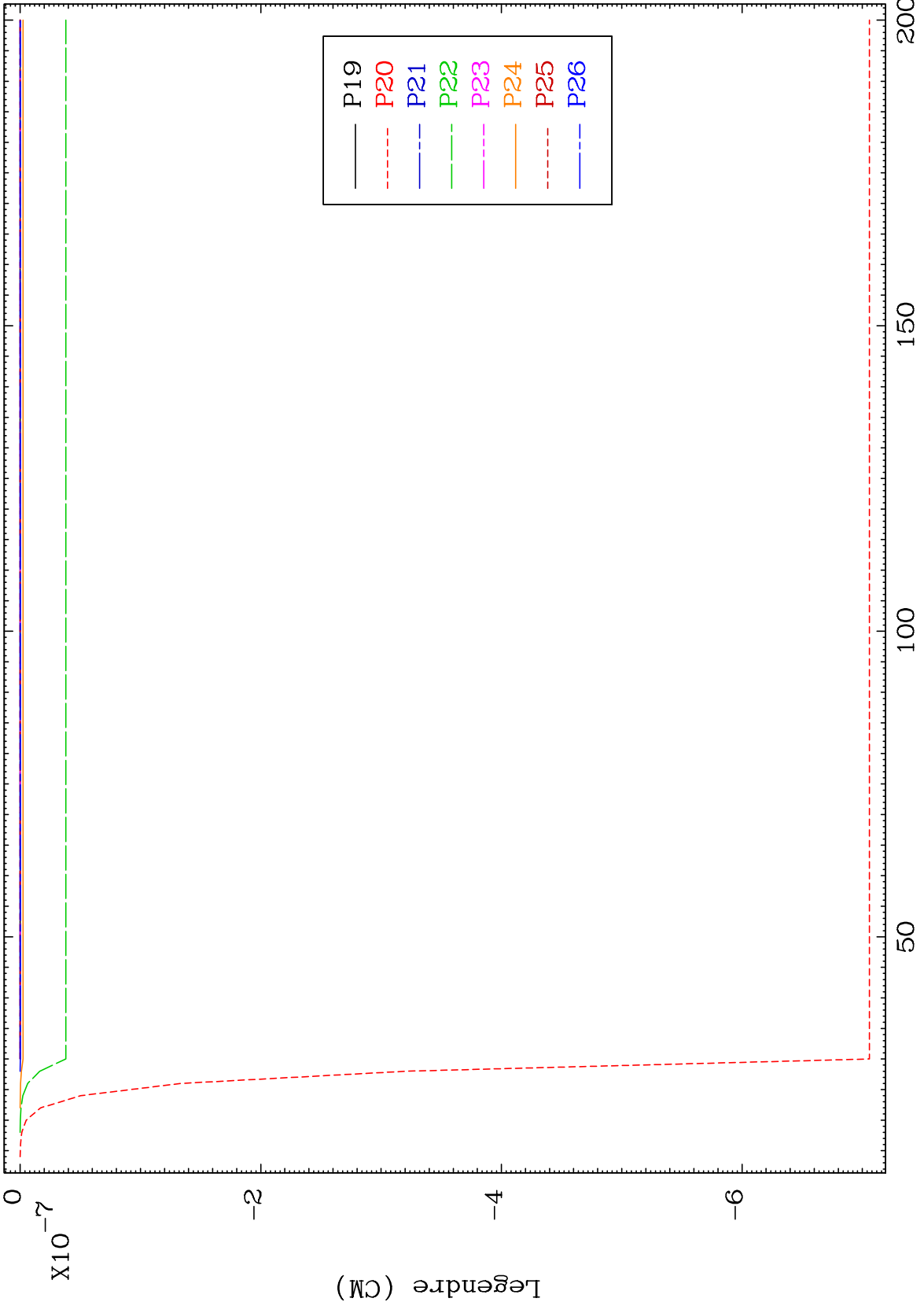


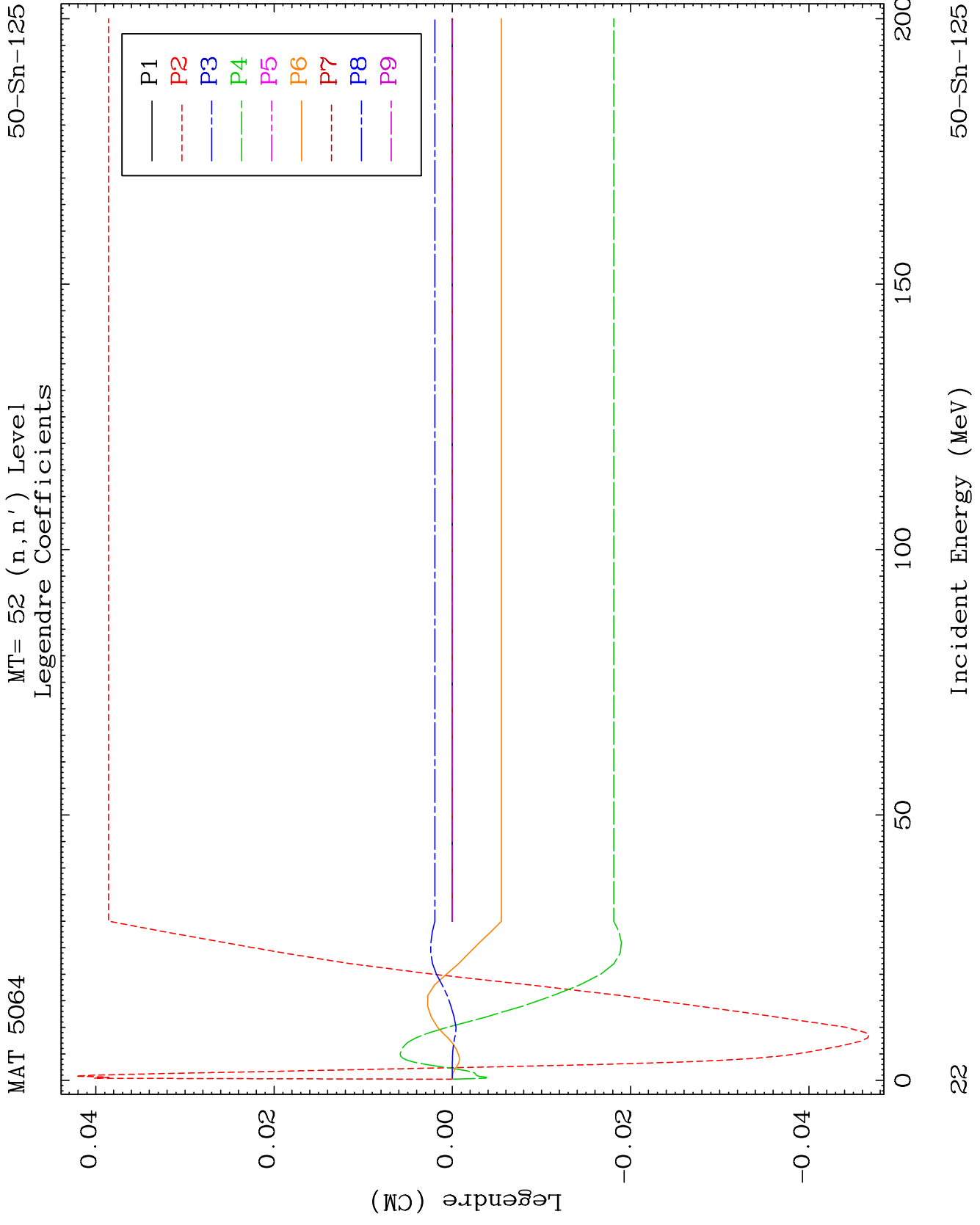
19

Incident Energy (MeV)

50-Sn-125

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

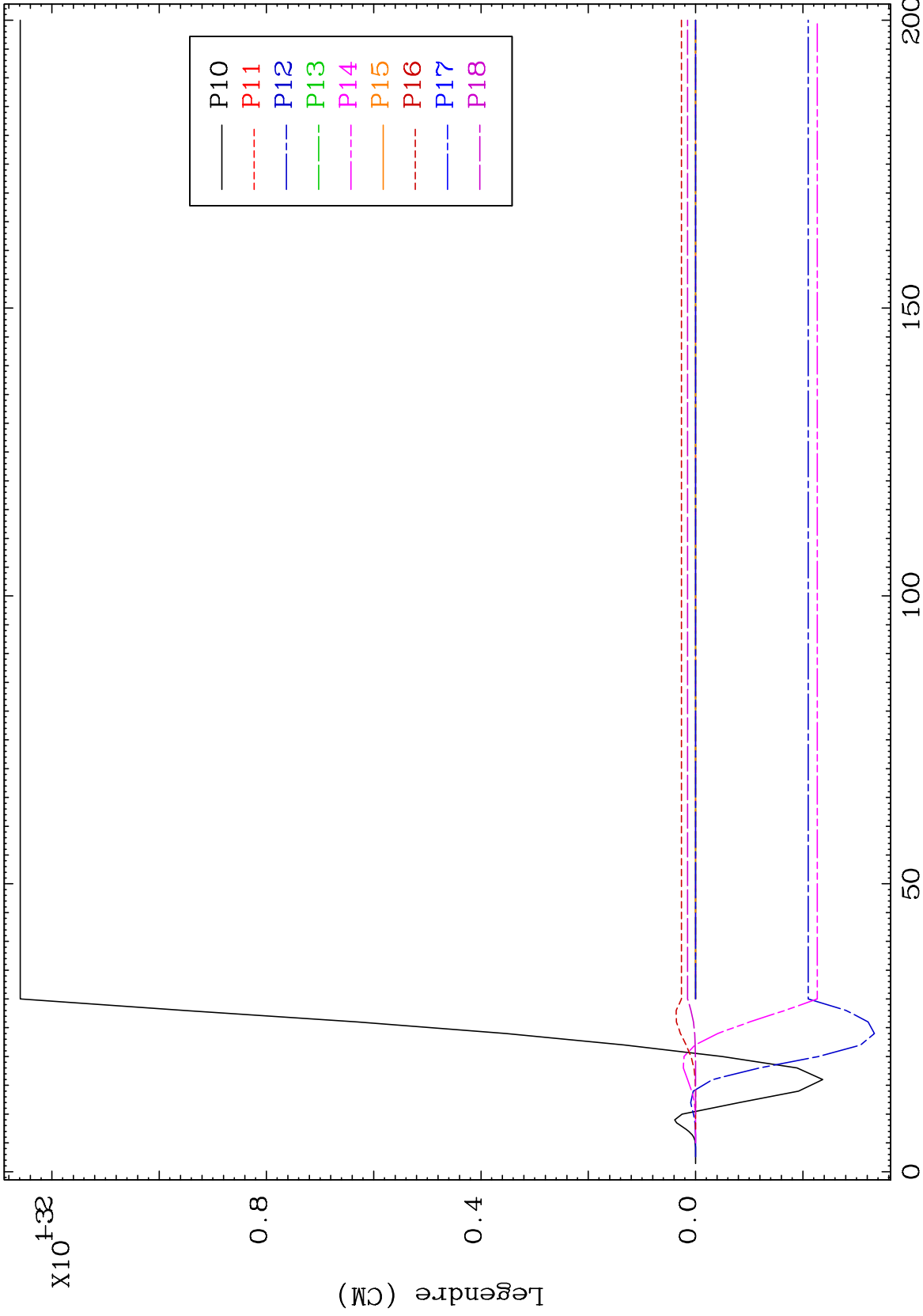




MAT 5064

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

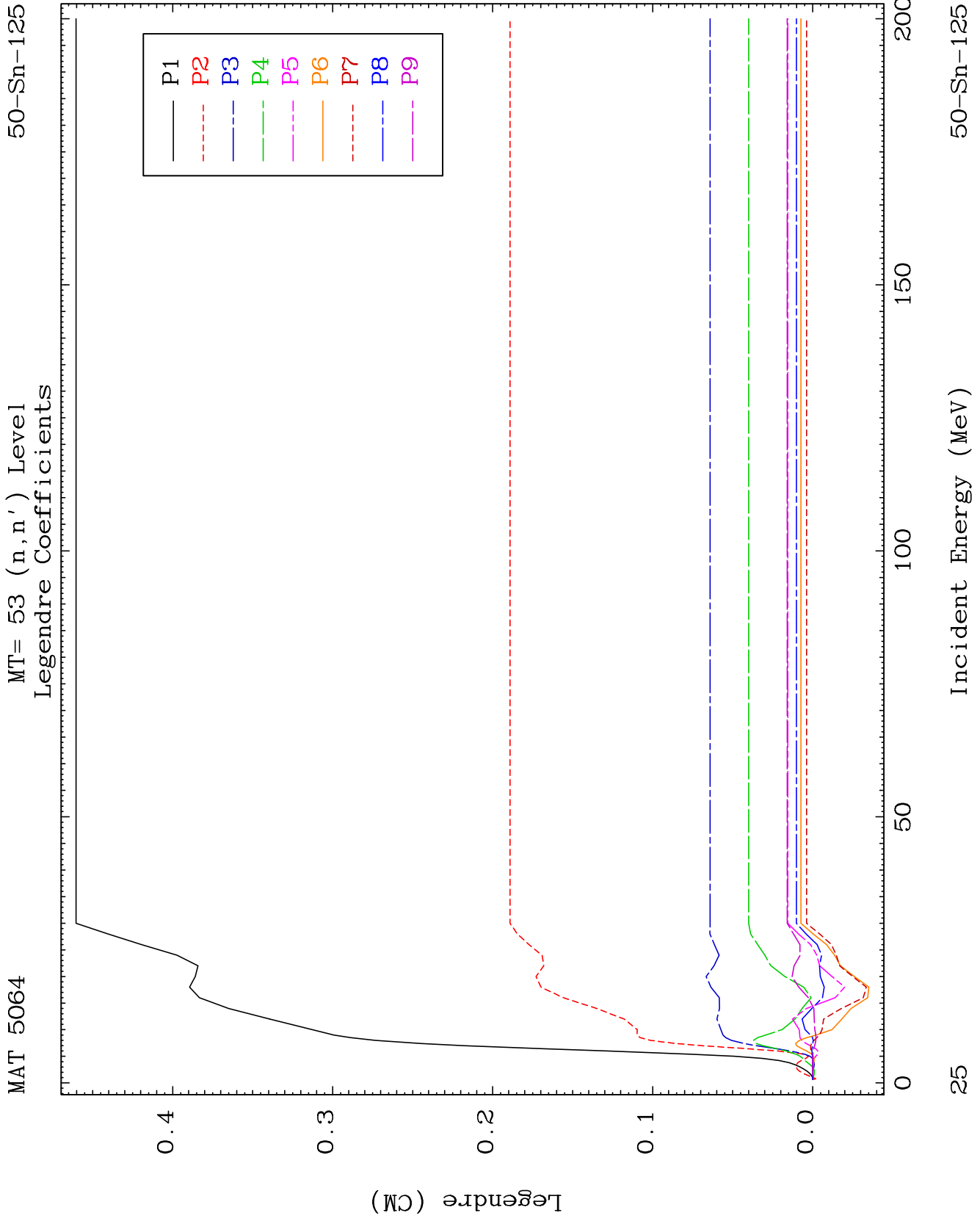
50-Sn-125



23

Incident Energy (MeV)

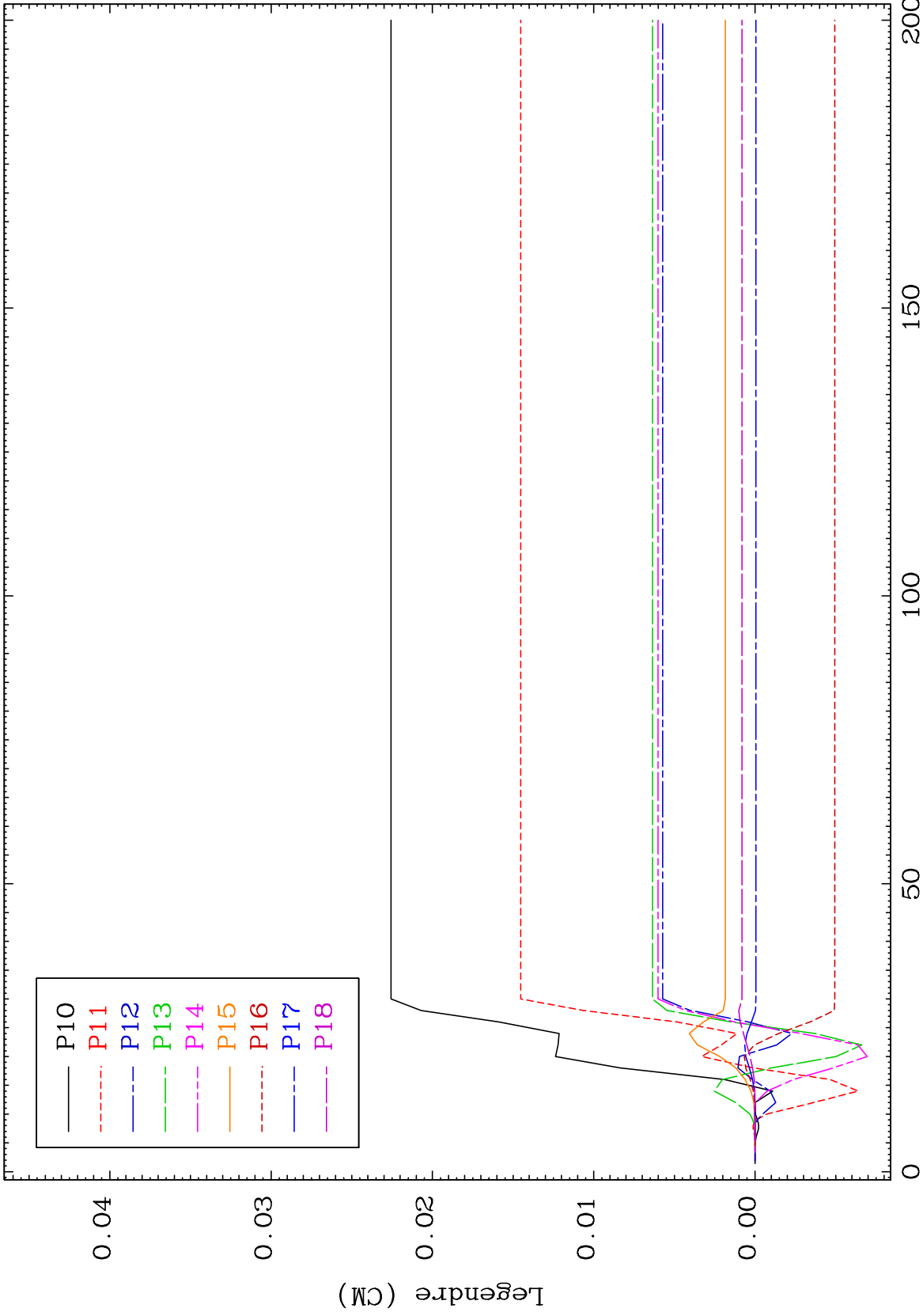
50-Sn-125



MAT 5064

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

50-Sn-125



26

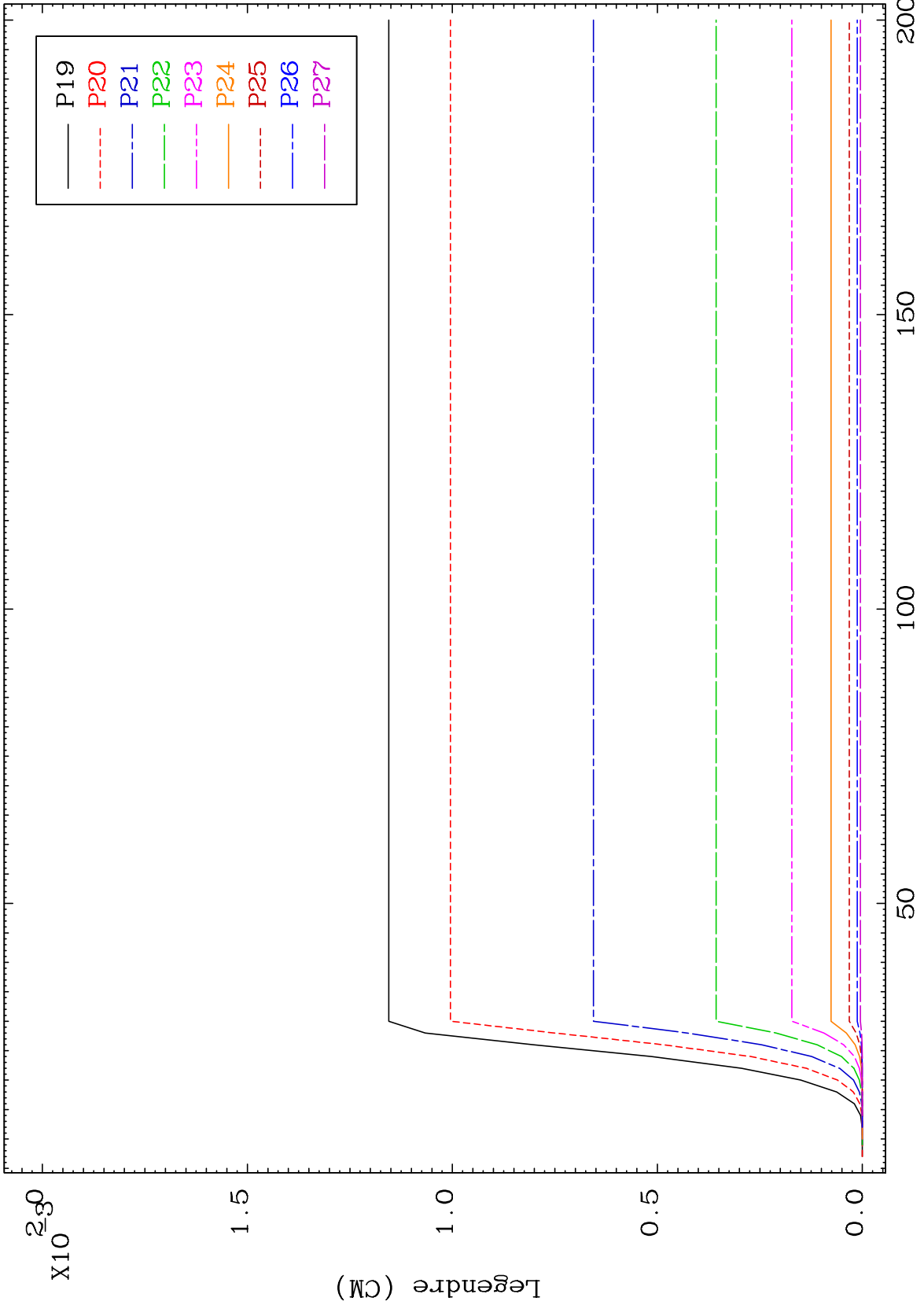
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



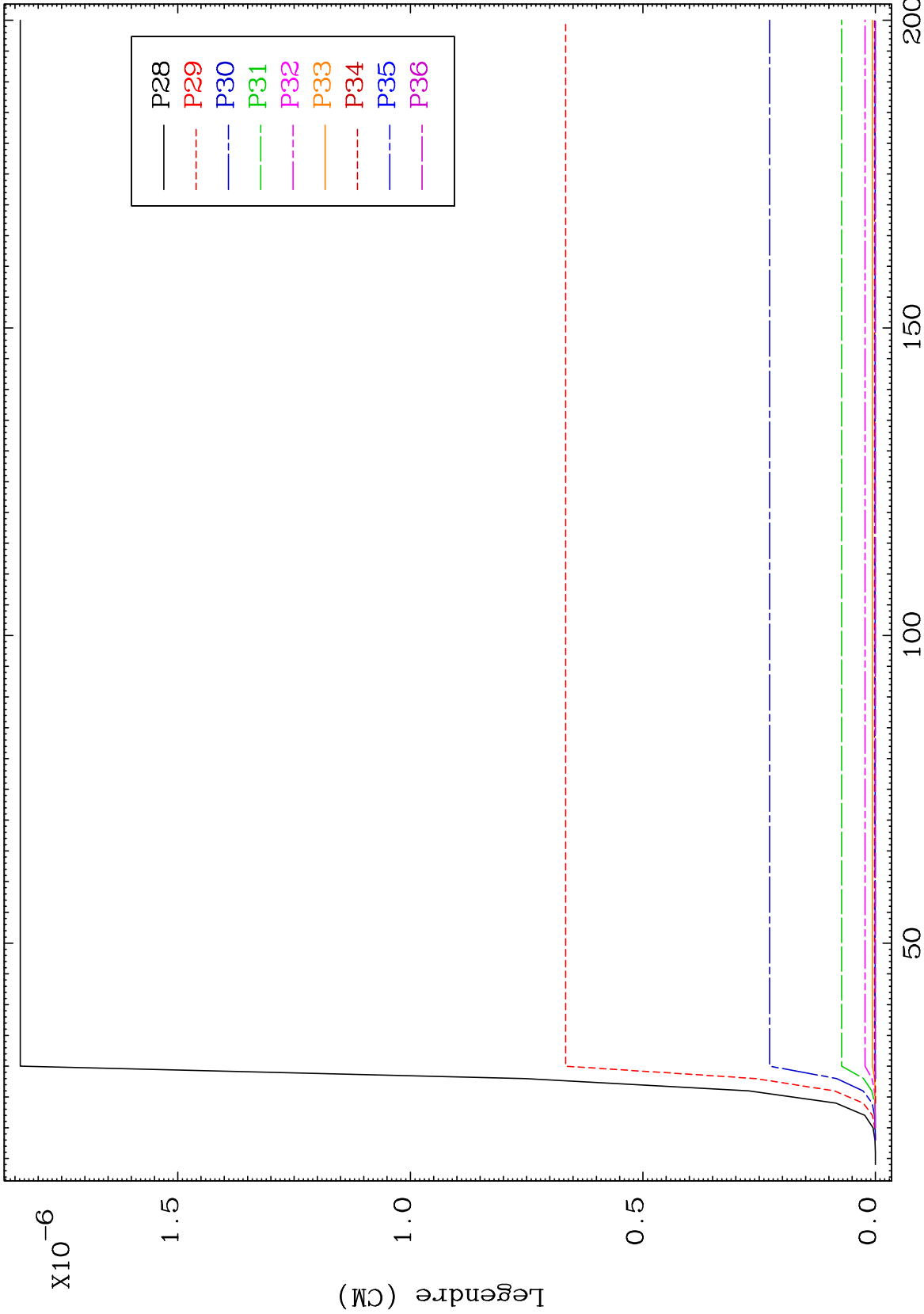
27

50-Sn-125

MAT 5064

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

50-Sn-125

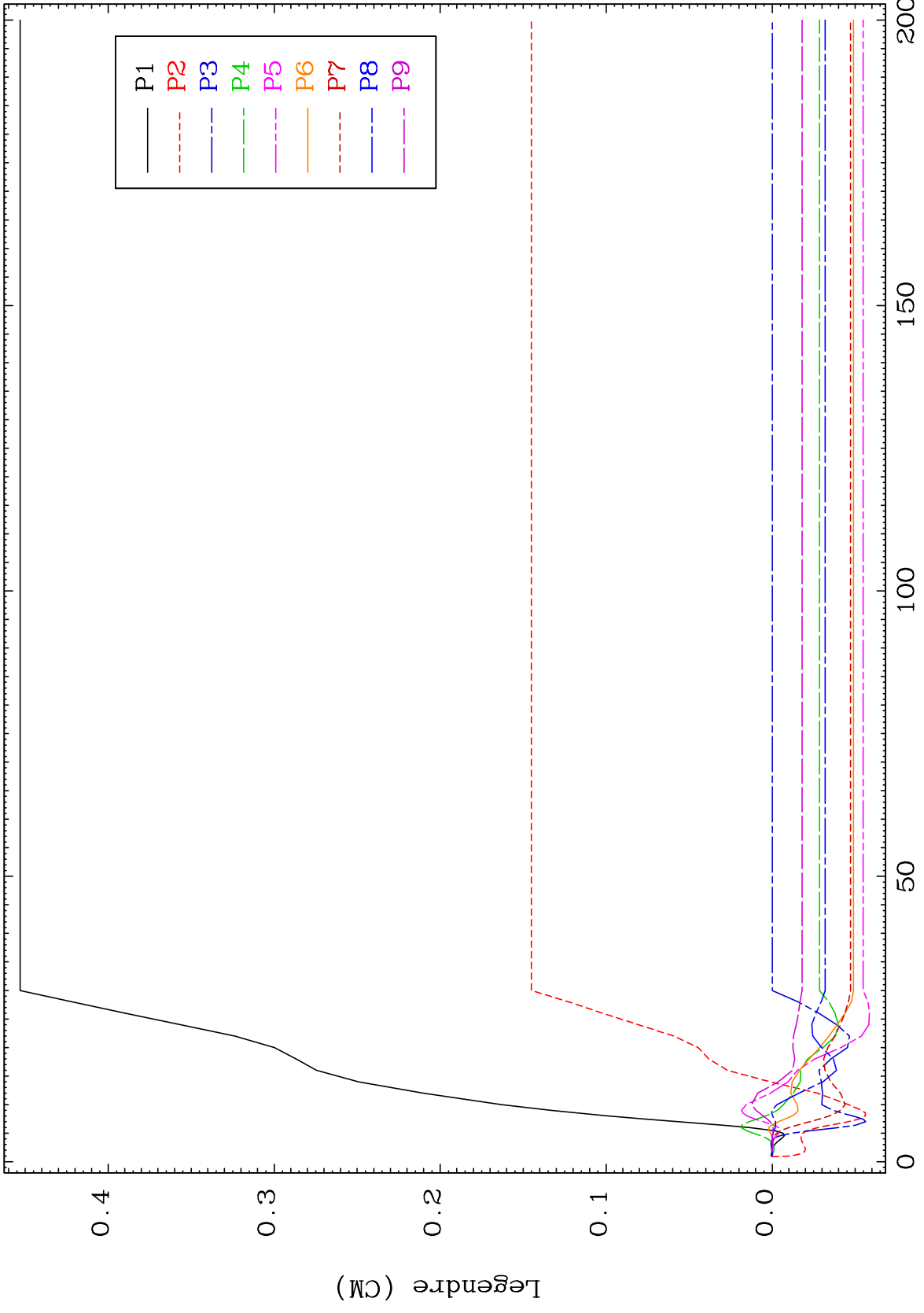


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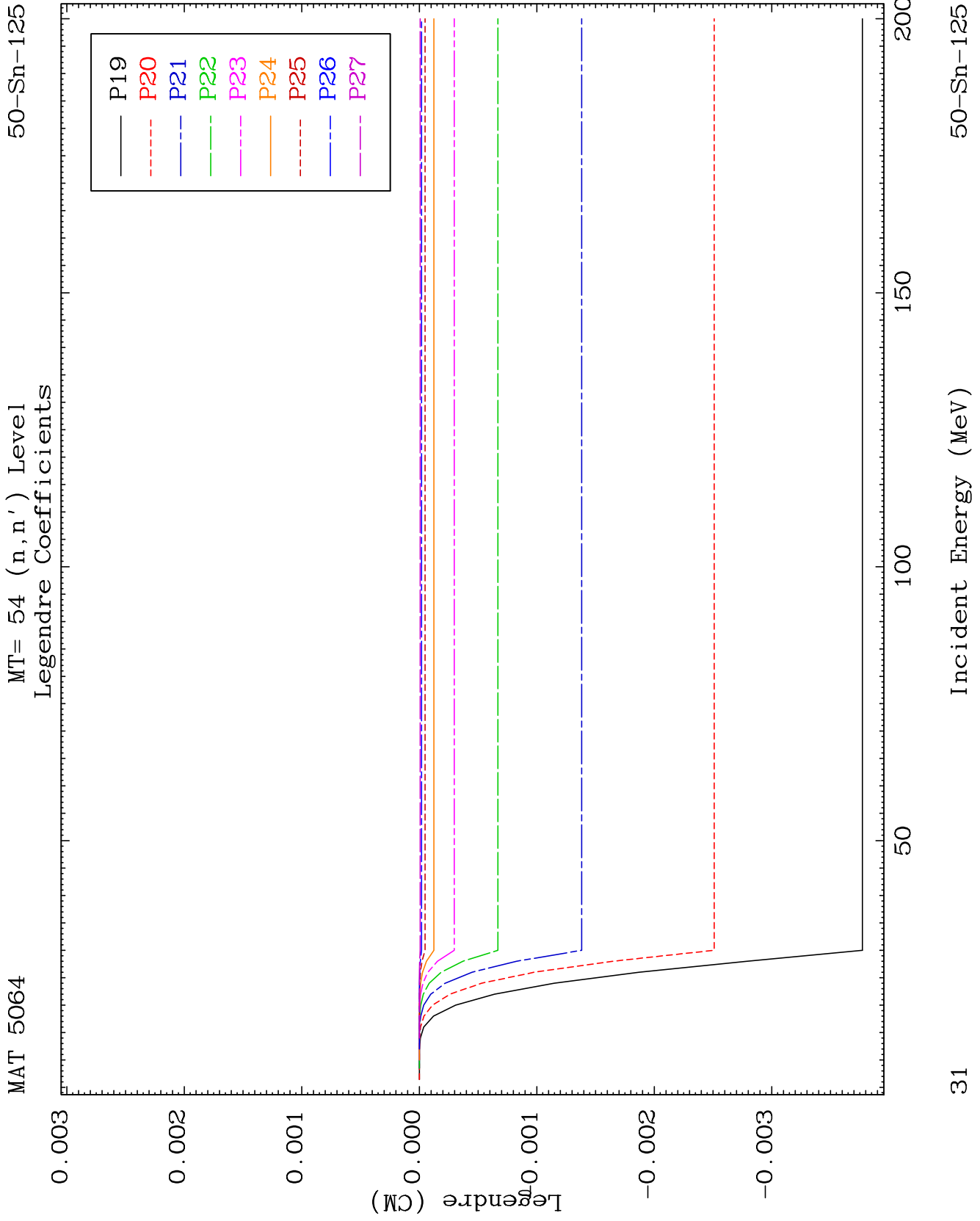
Incident Energy (MeV)

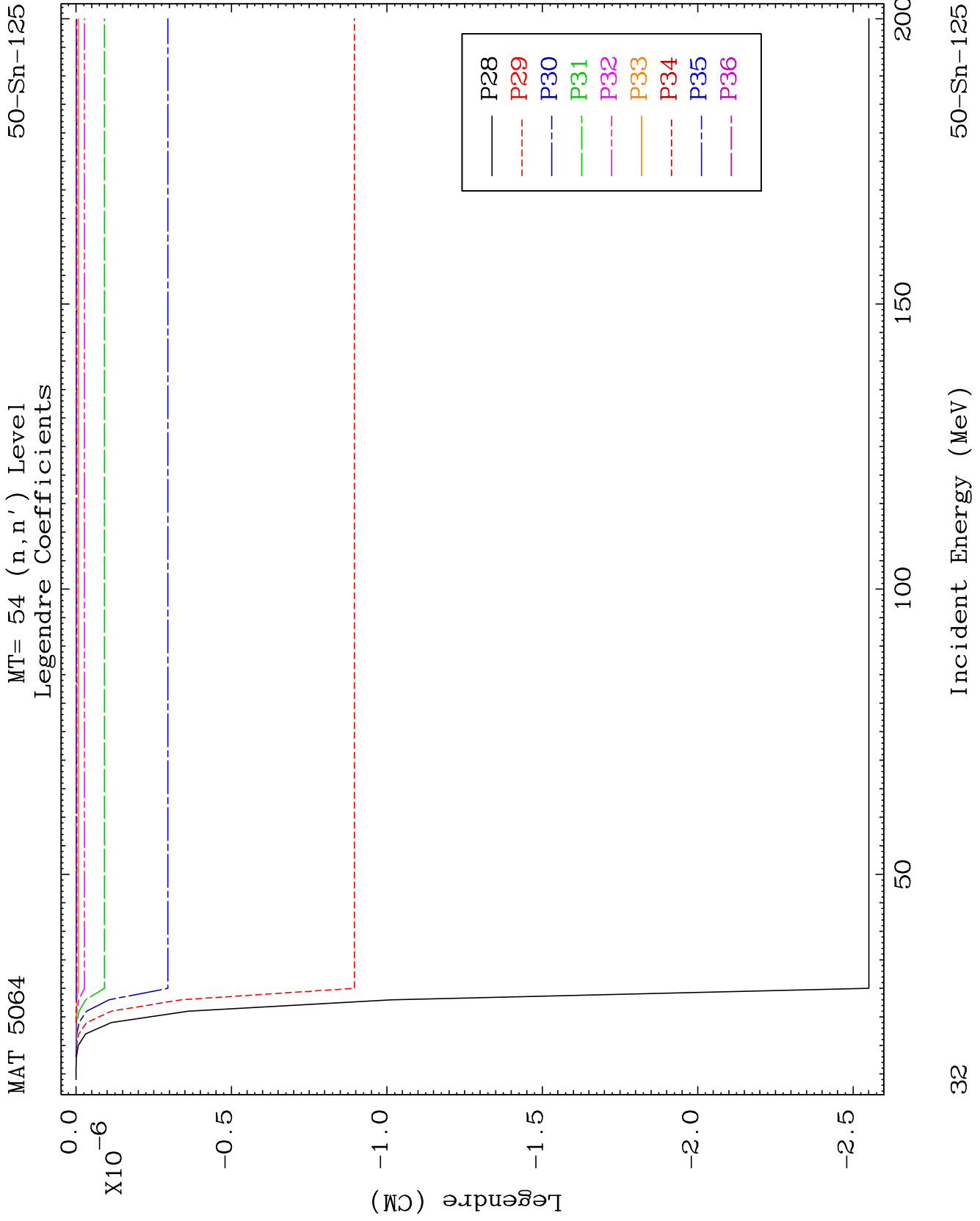
50-Sn-125

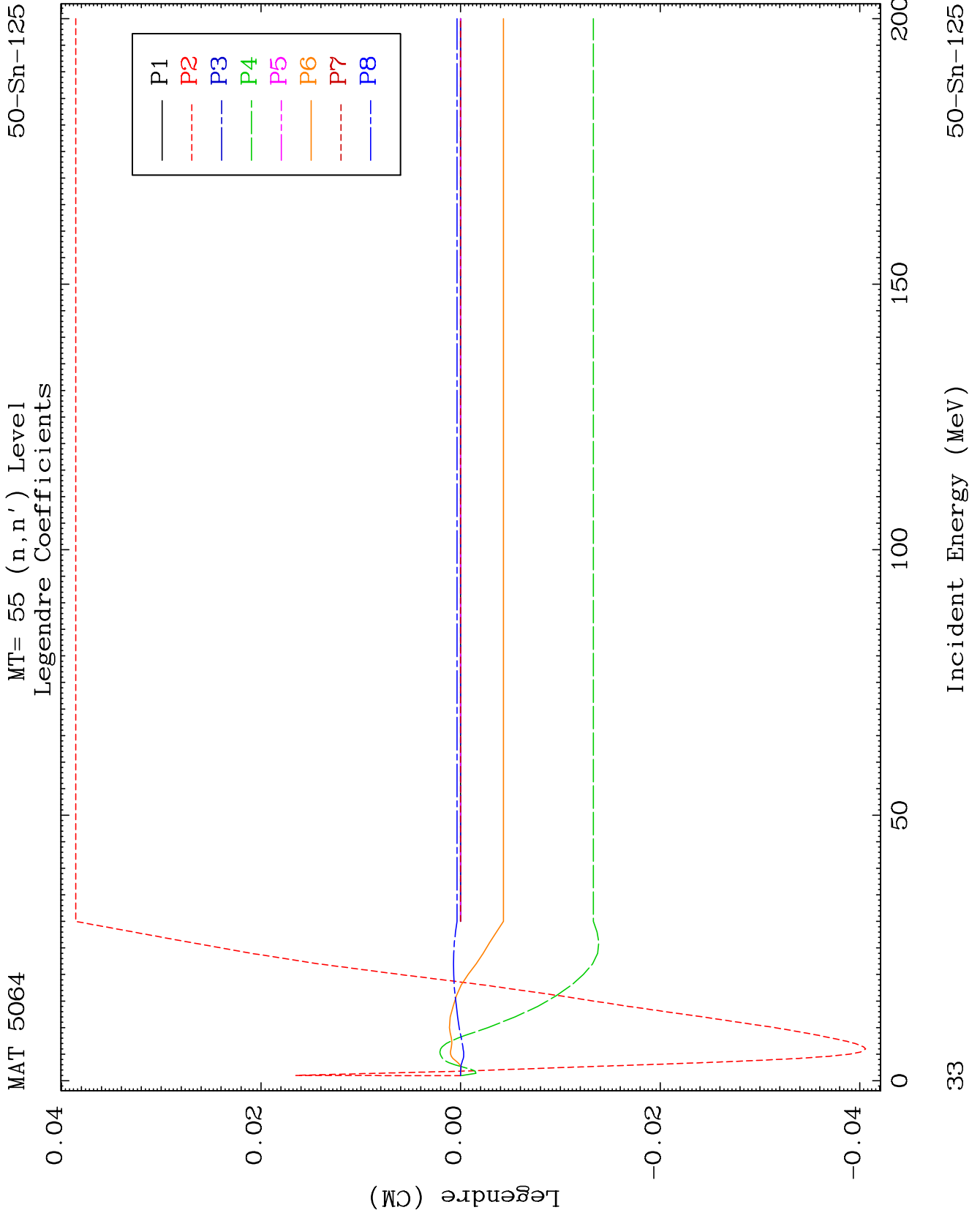
MAT 5064 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-125



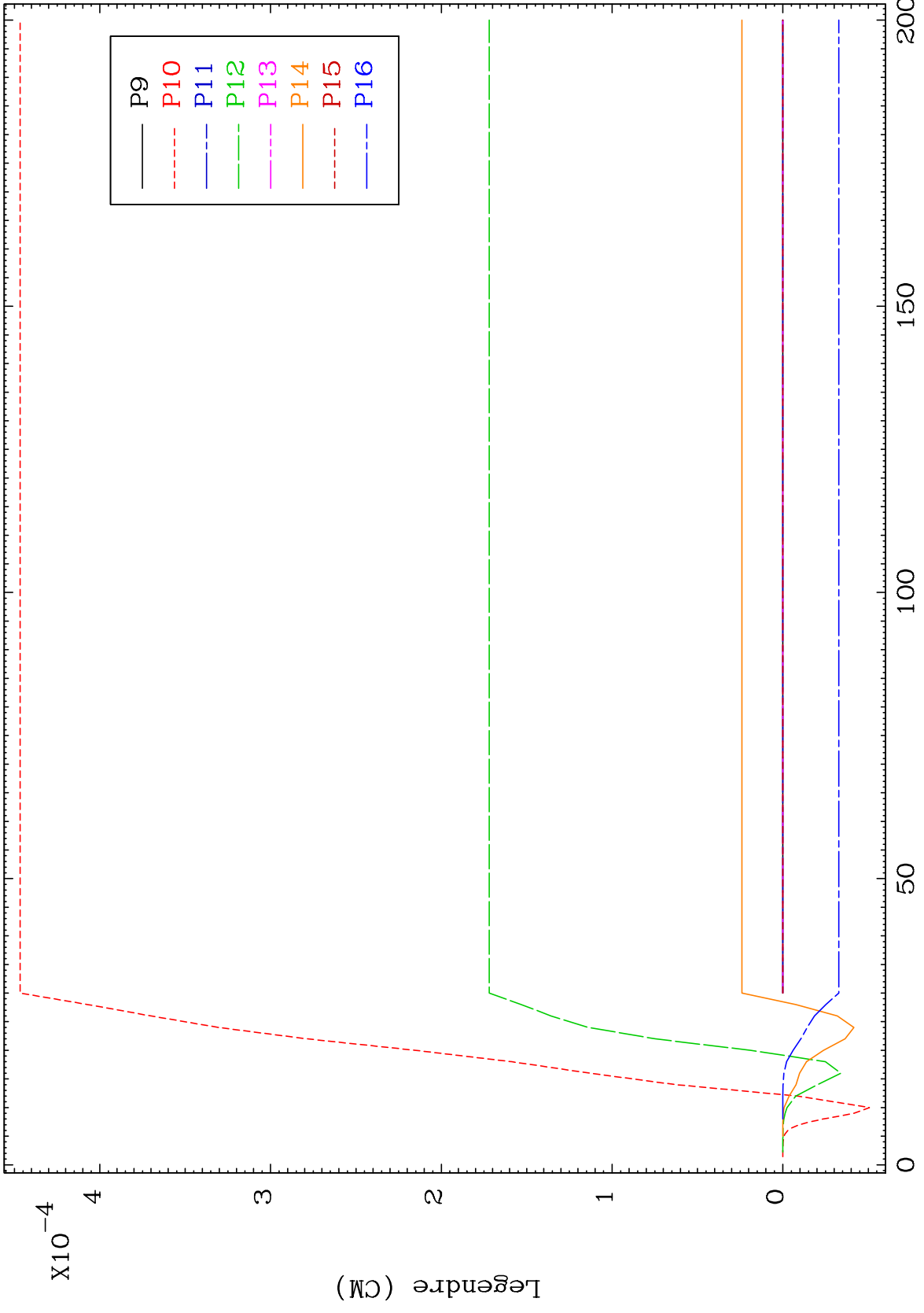
Legendre (CM) Incident Energy (MeV) 29 50-Sn-125





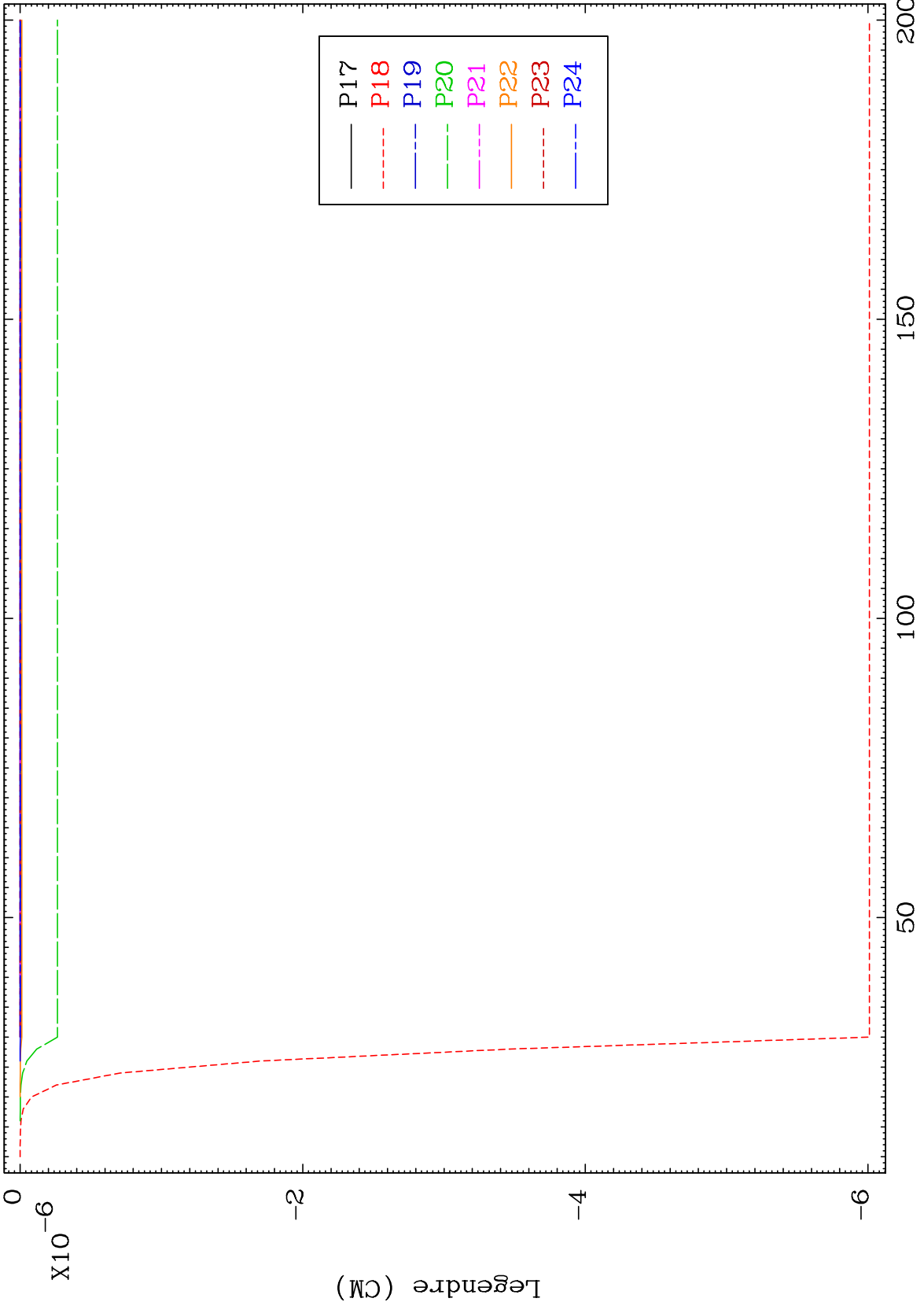


MAT 5064 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-125



34 50-Sn-125

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

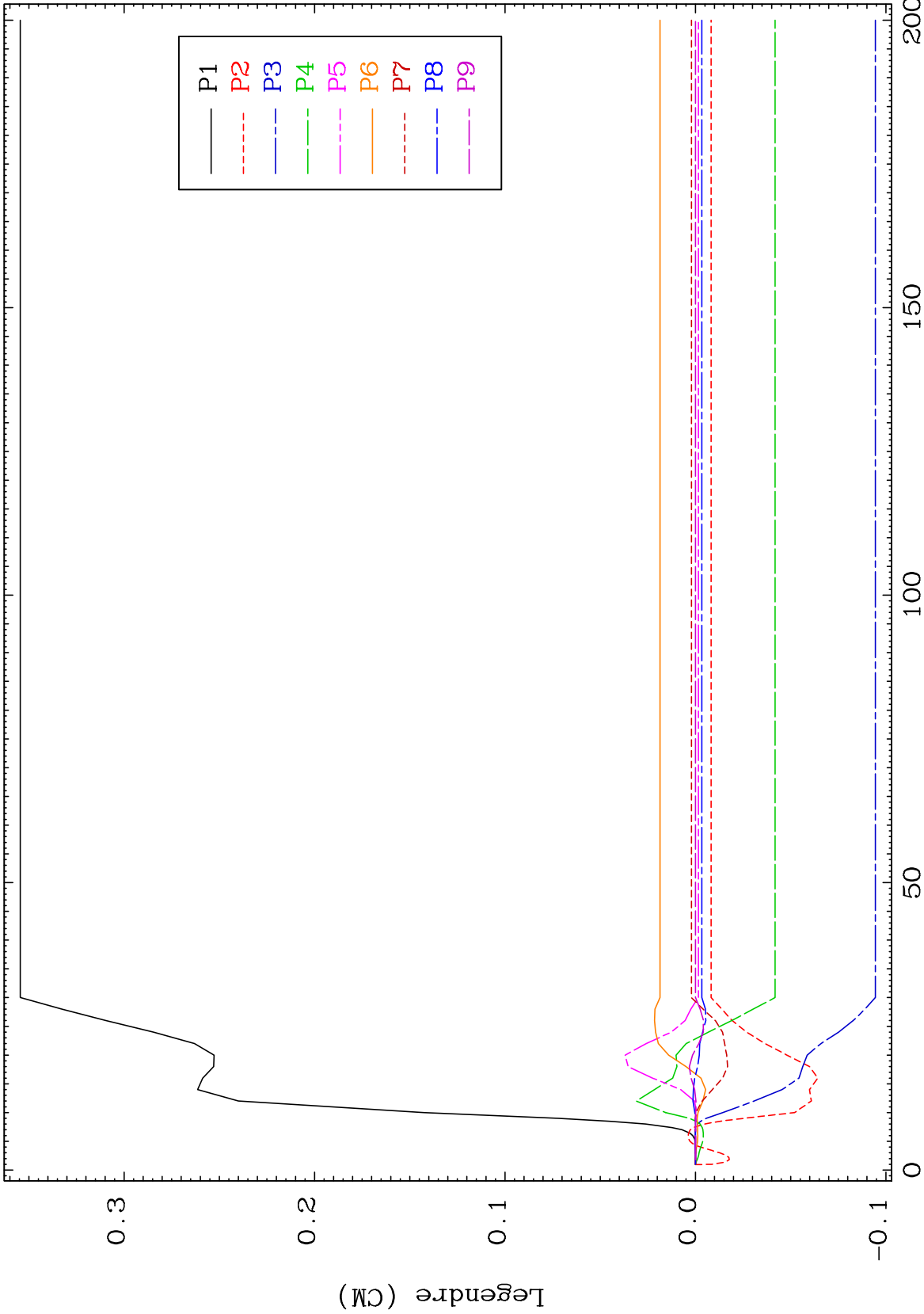


35 Incident Energy (MeV) 50-Sn-125

MAT 5064

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

50-Sn-125



36

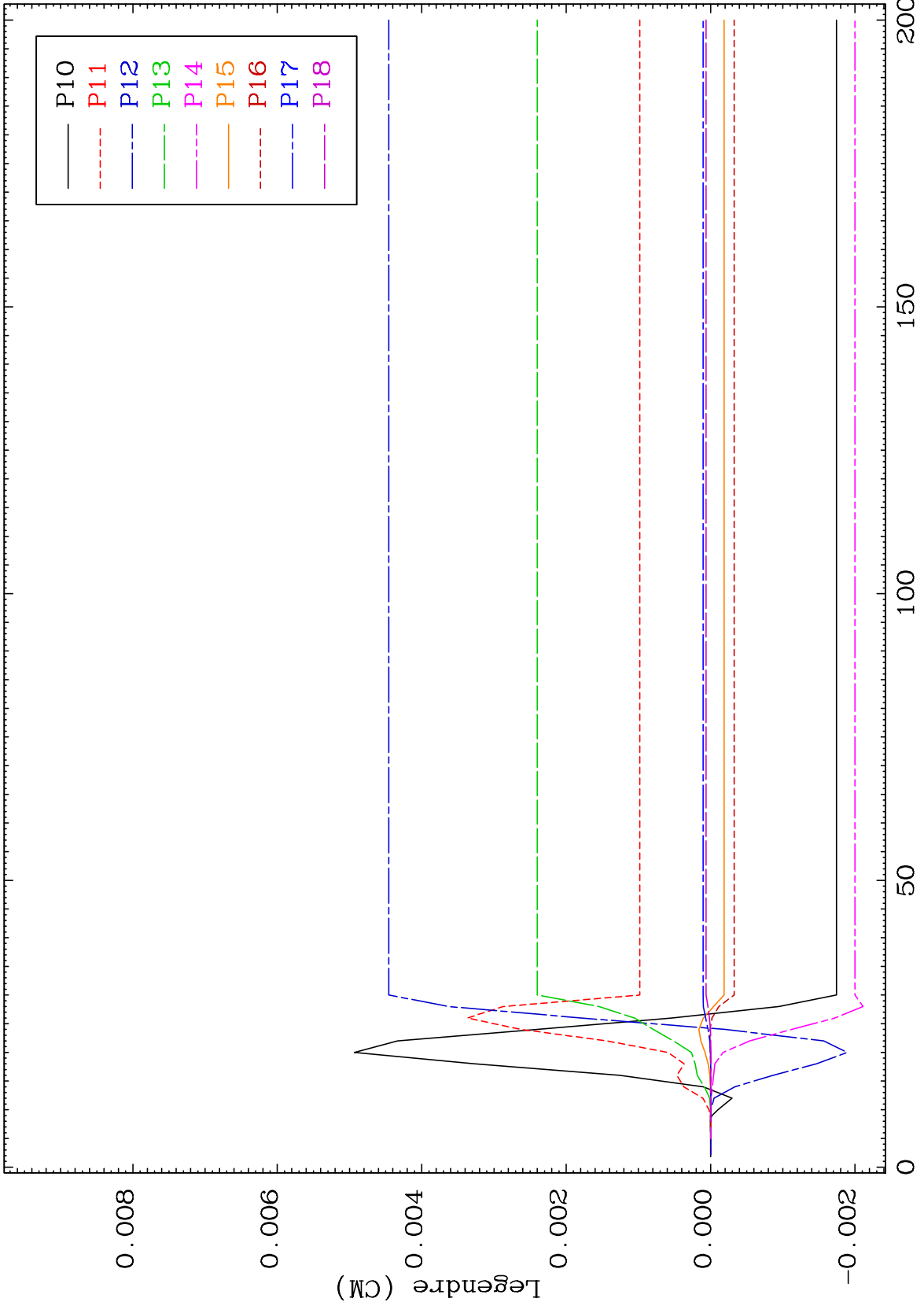
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



37

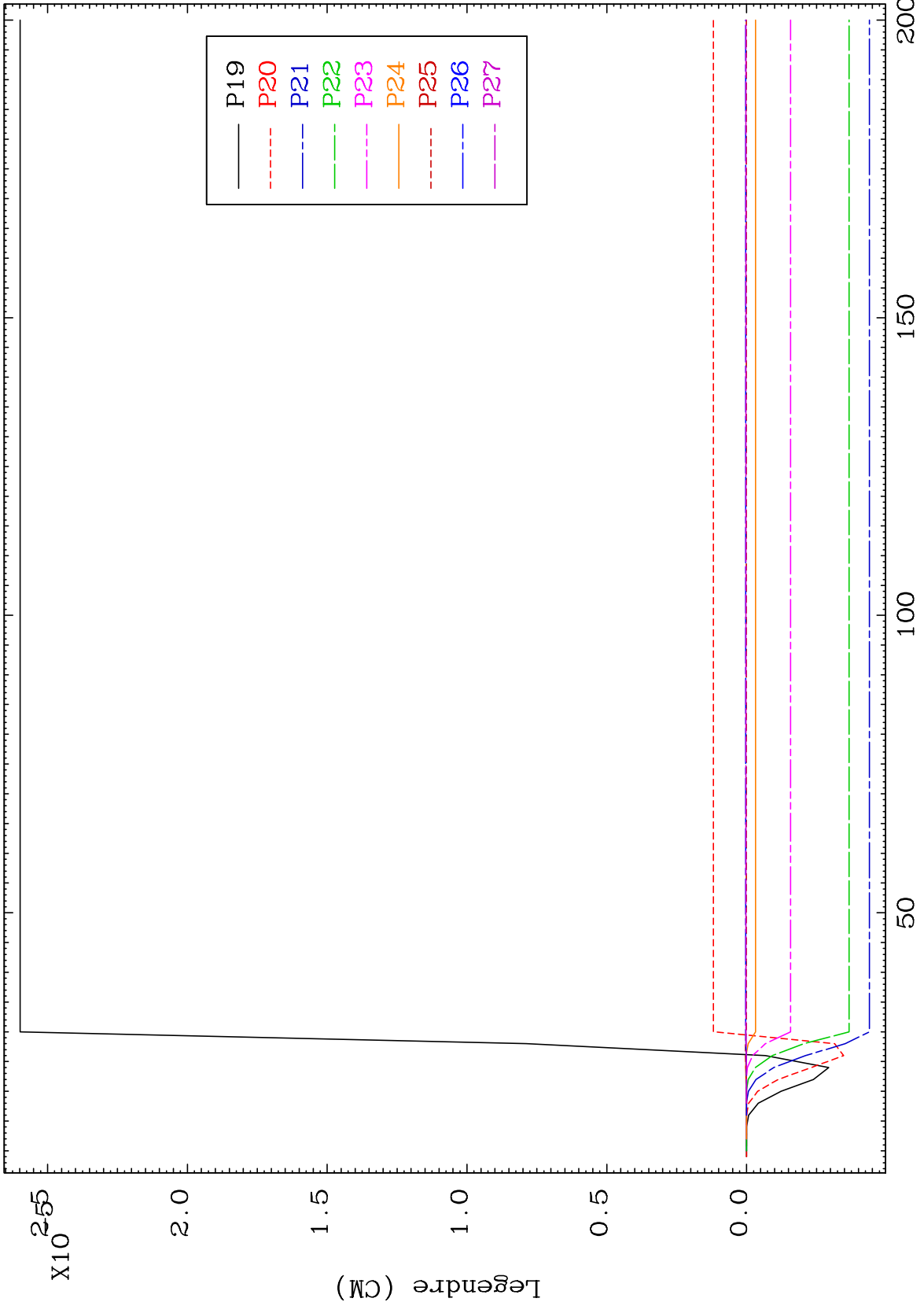
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

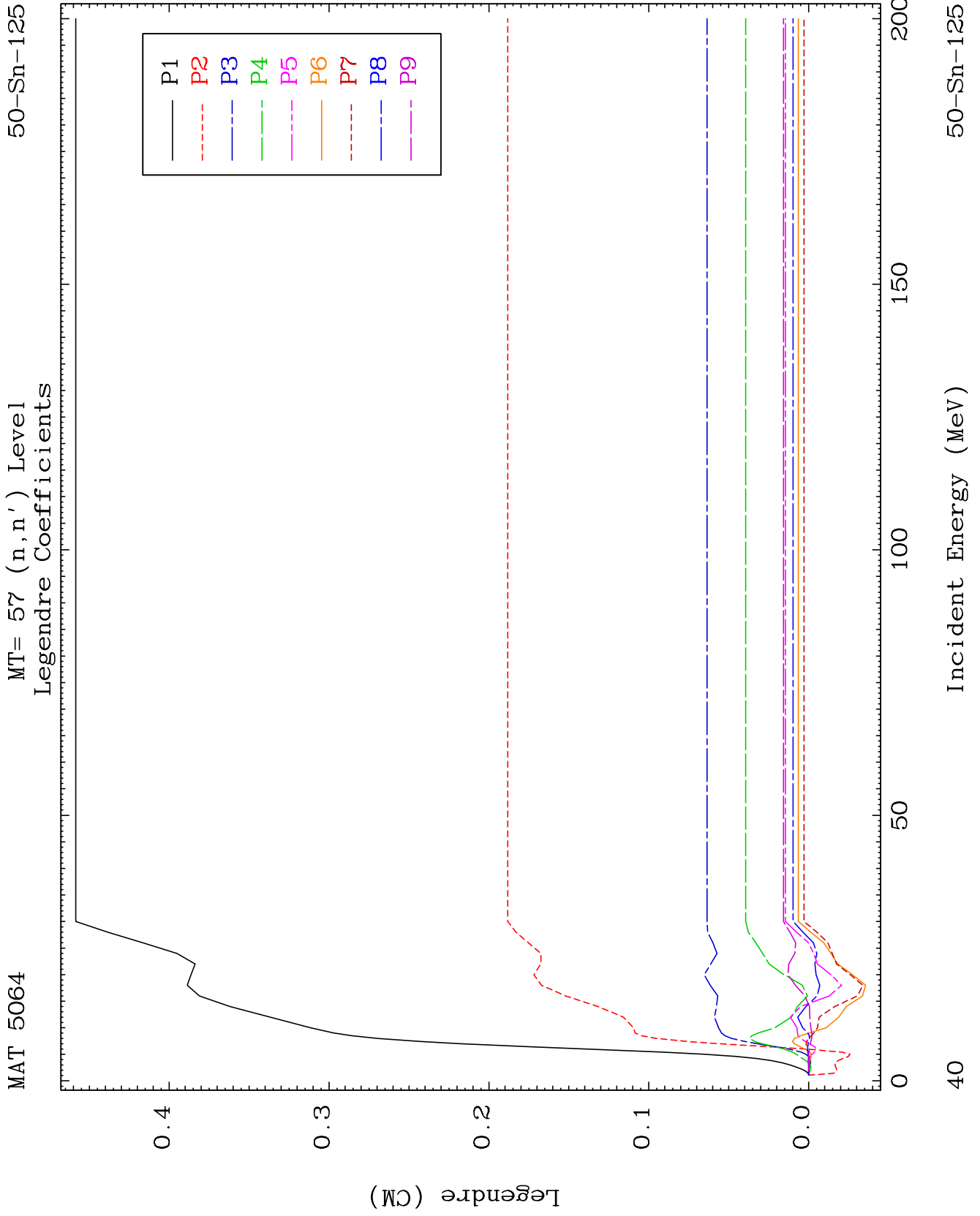
50-Sn-125



38

Incident Energy (MeV)

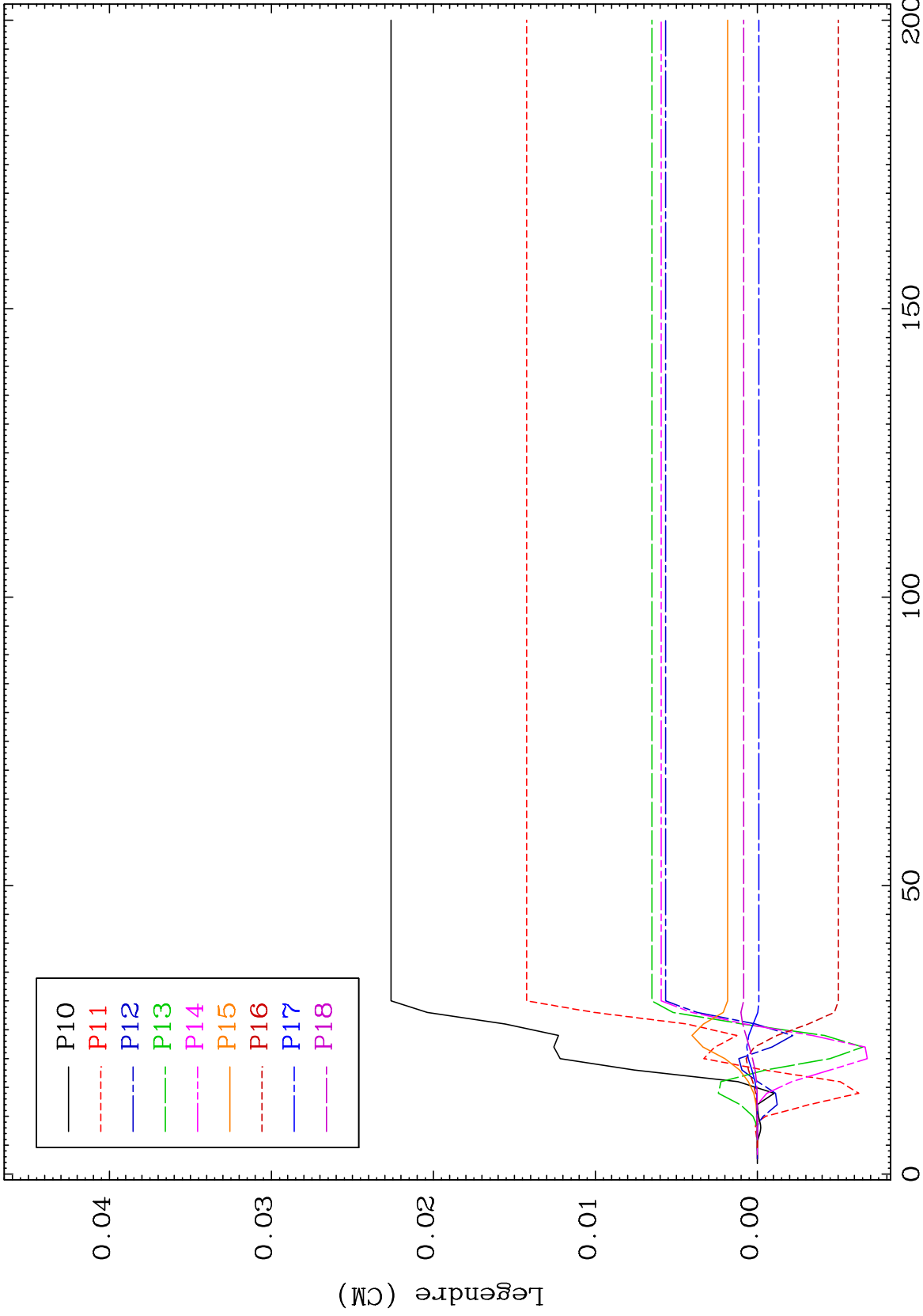
50-Sn-125



MAT 5064

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

50-Sn-125



41

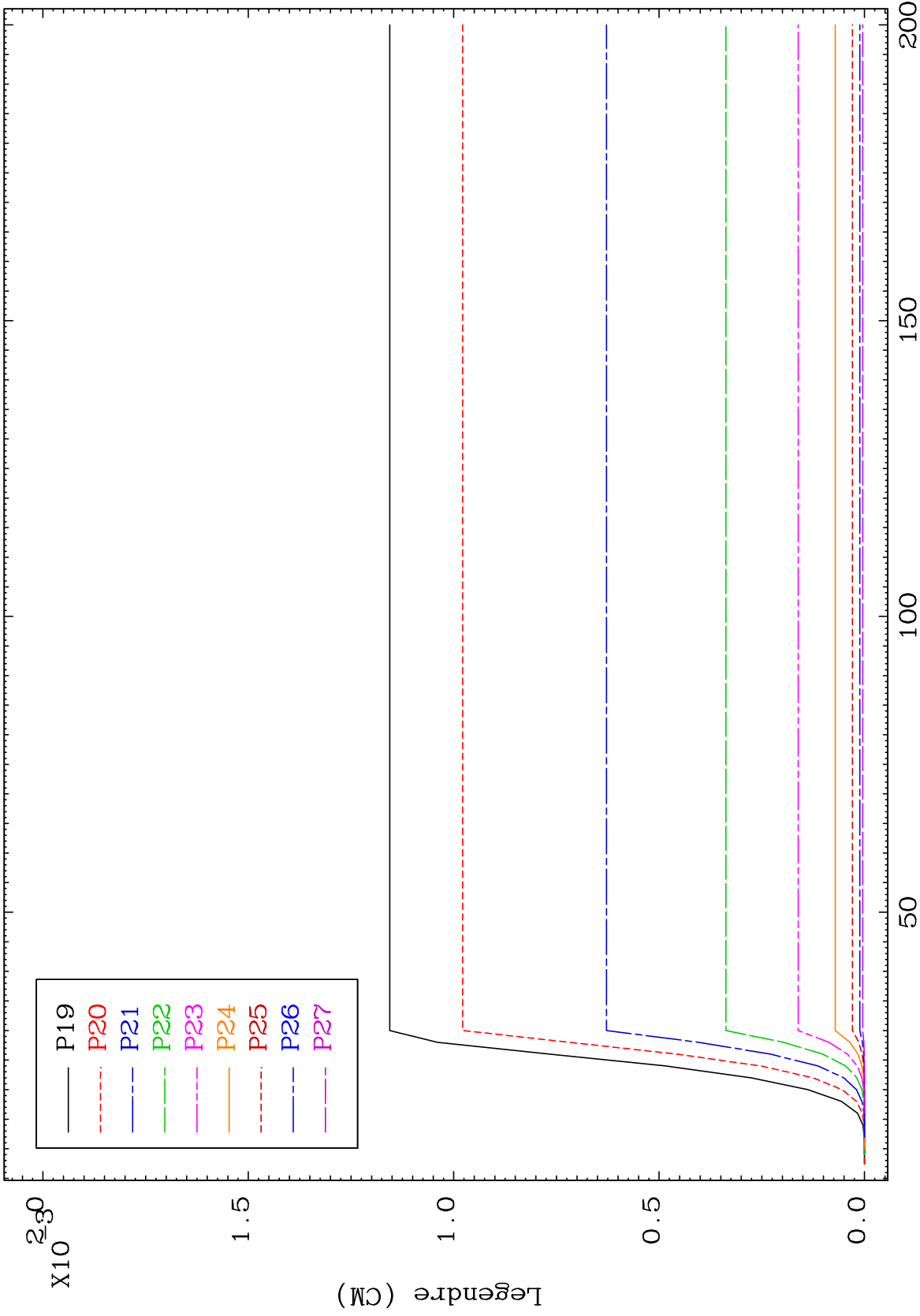
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



42

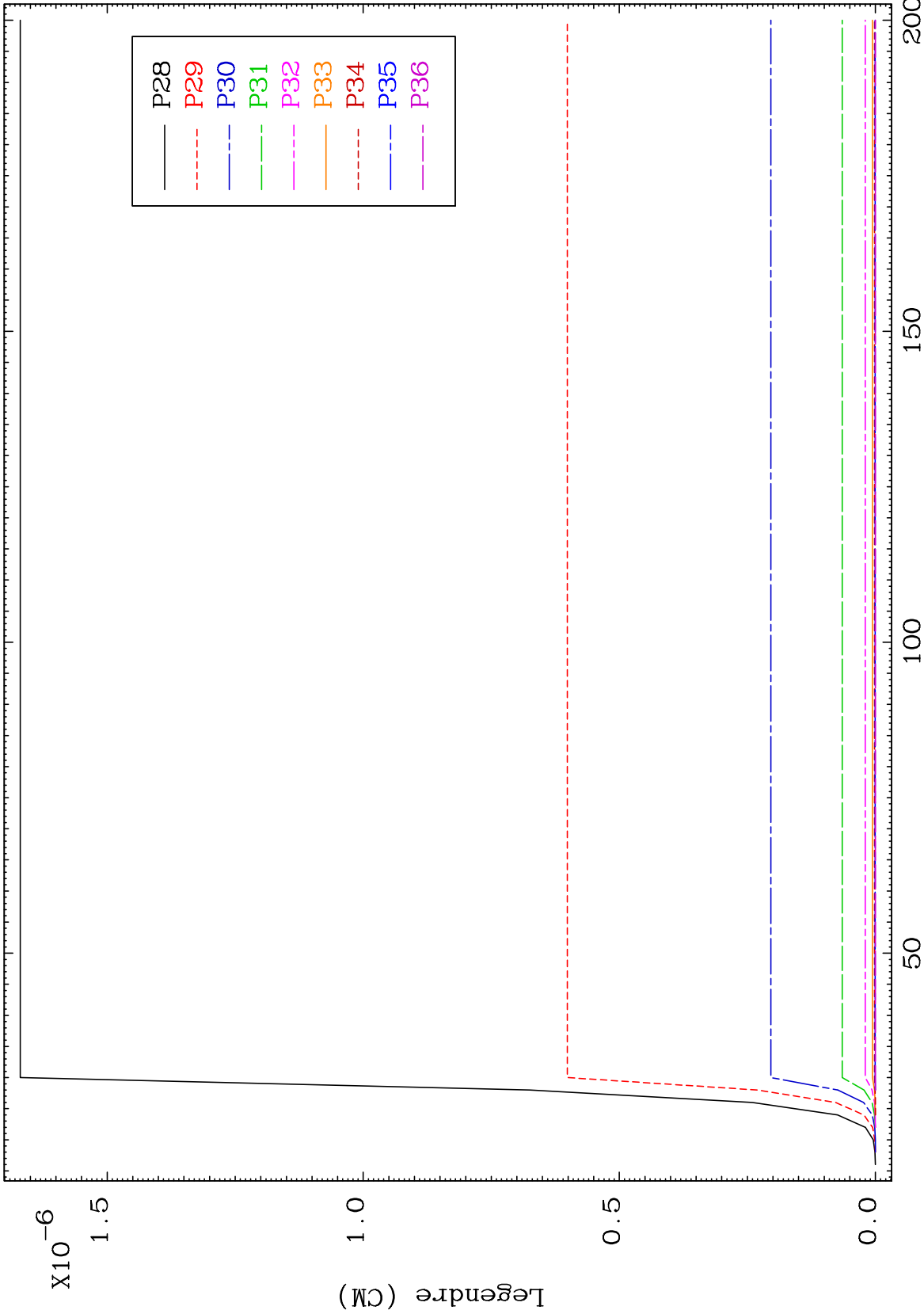
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

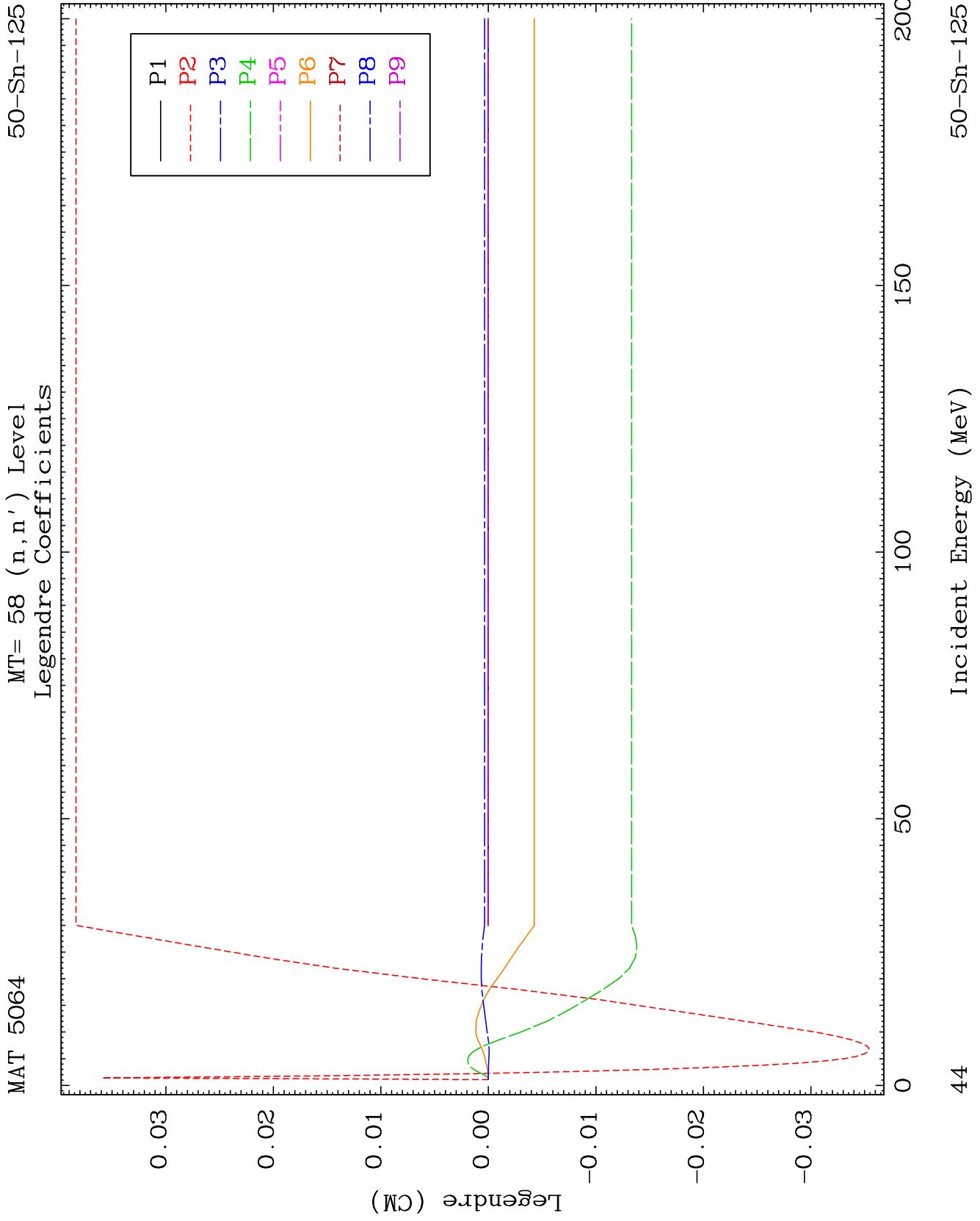
50-Sn-125



43

Incident Energy (MeV)

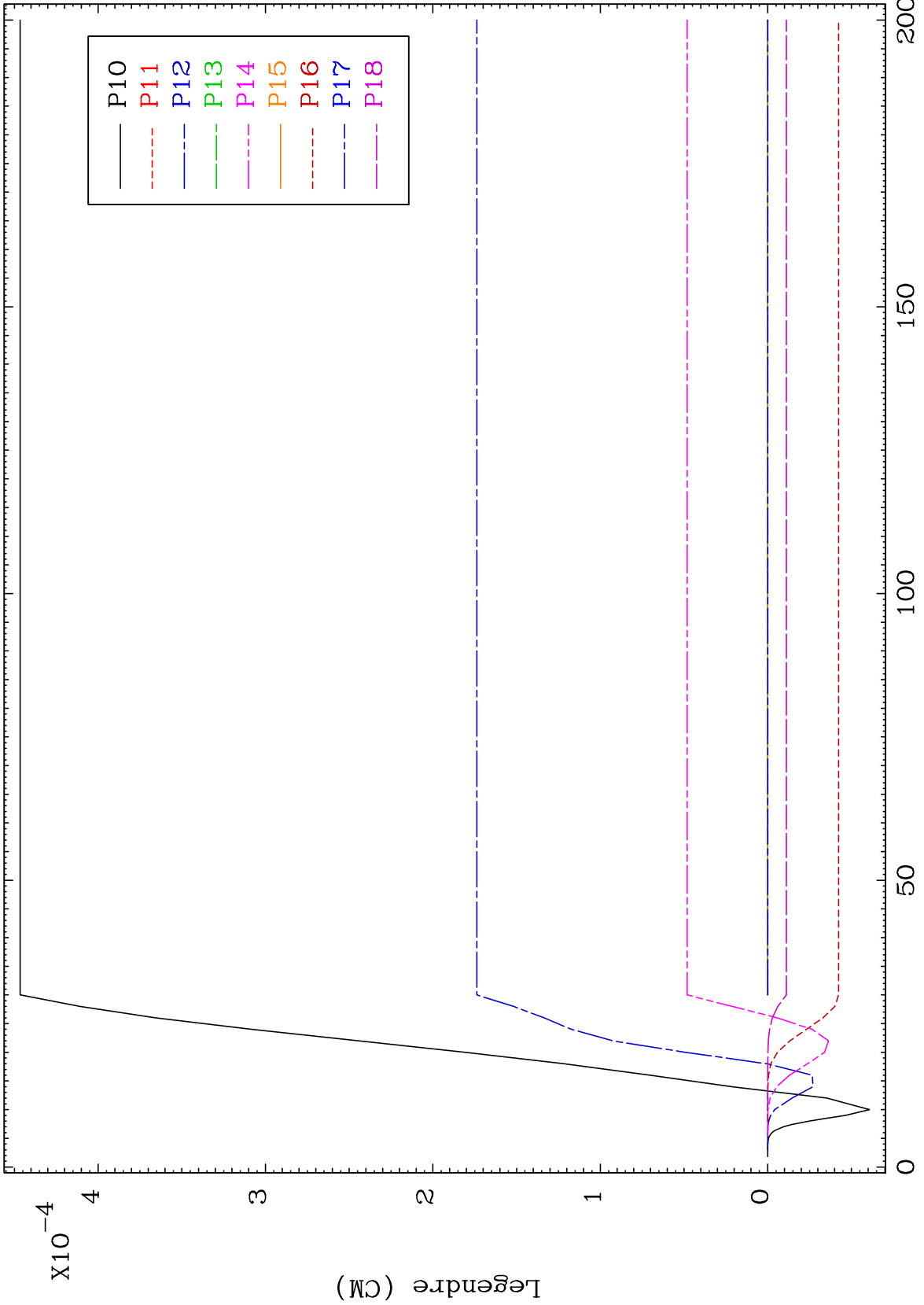
50-Sn-125



MAT 5064

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

50-Sn-125

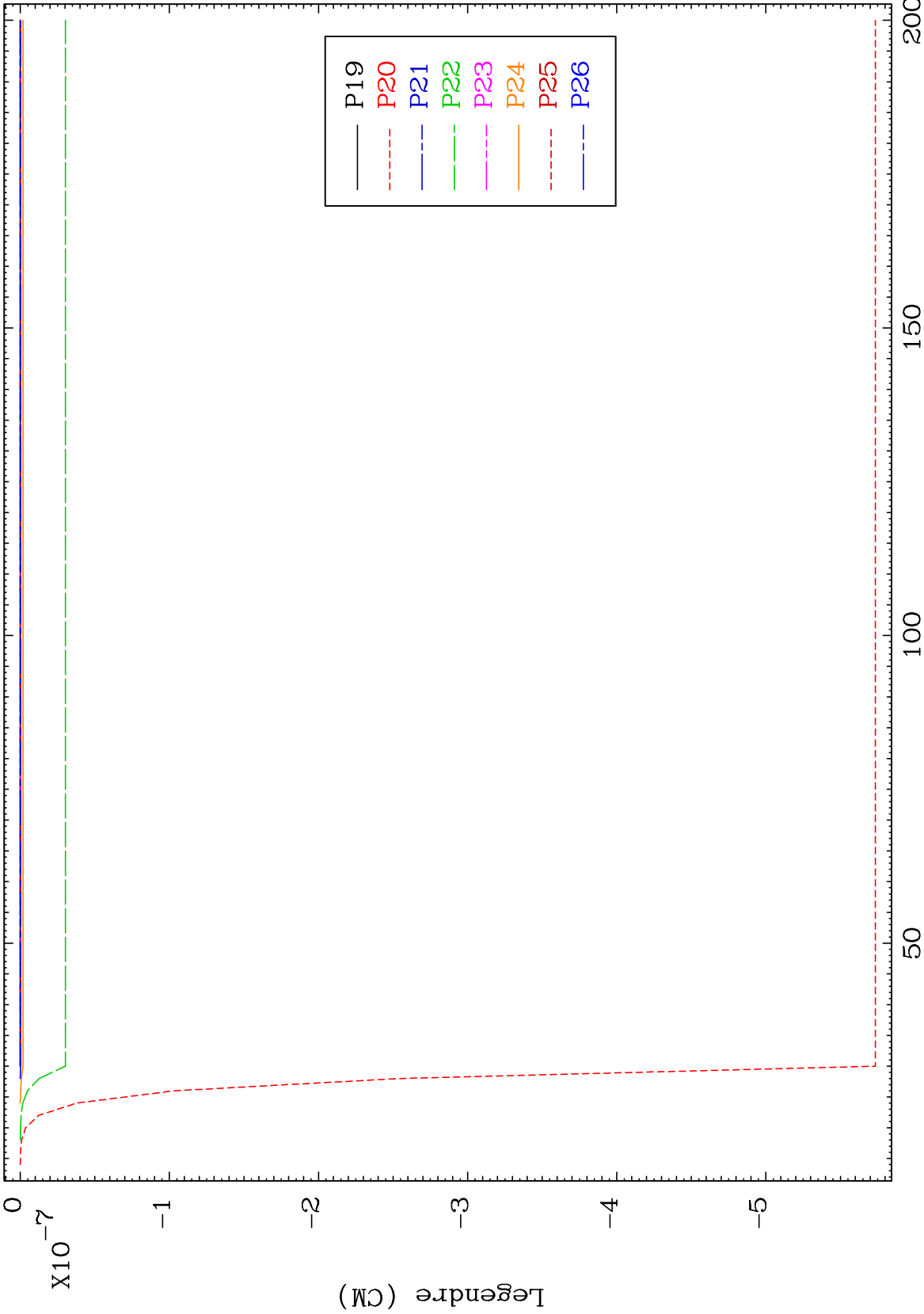


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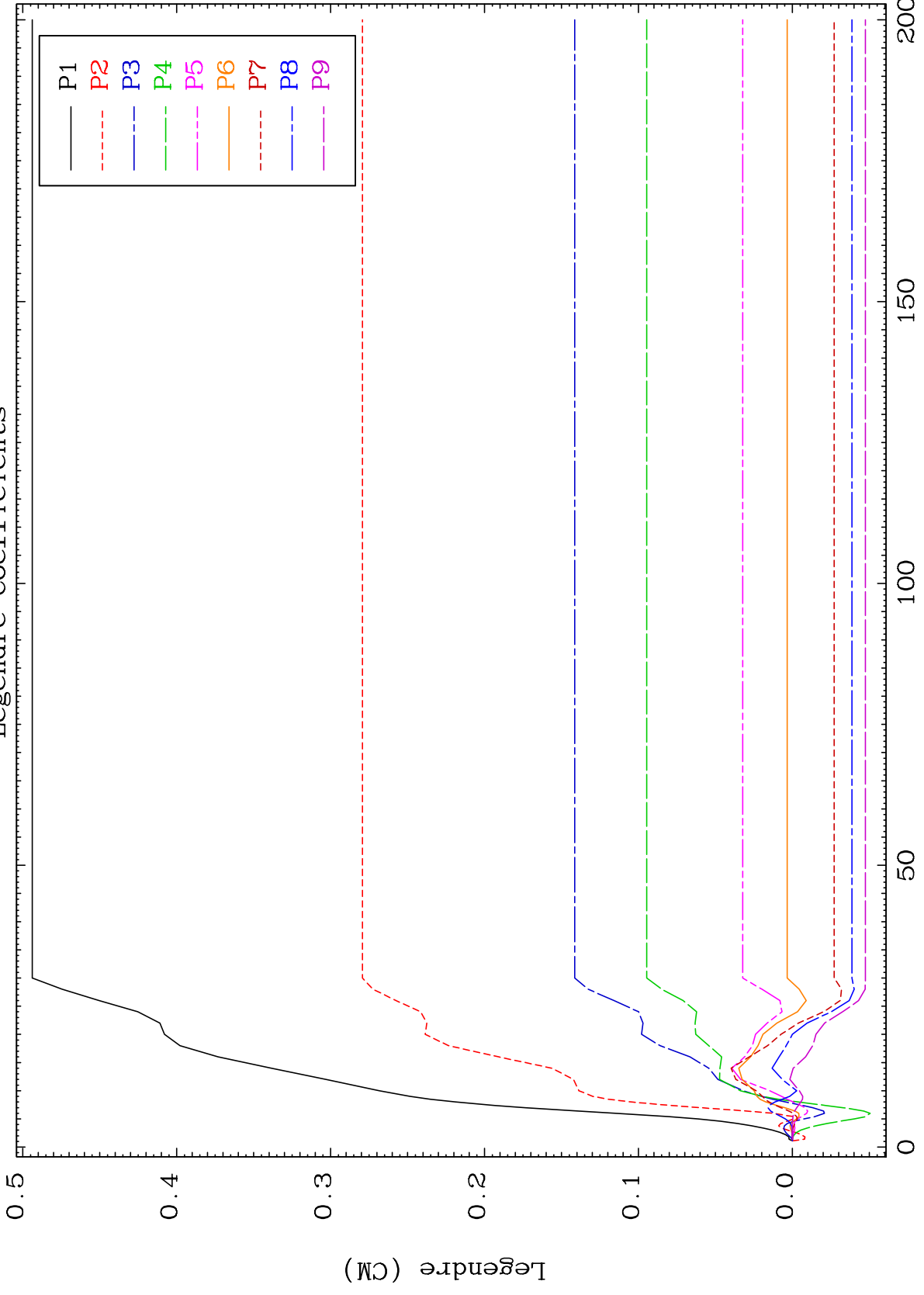
Incident Energy (MeV)

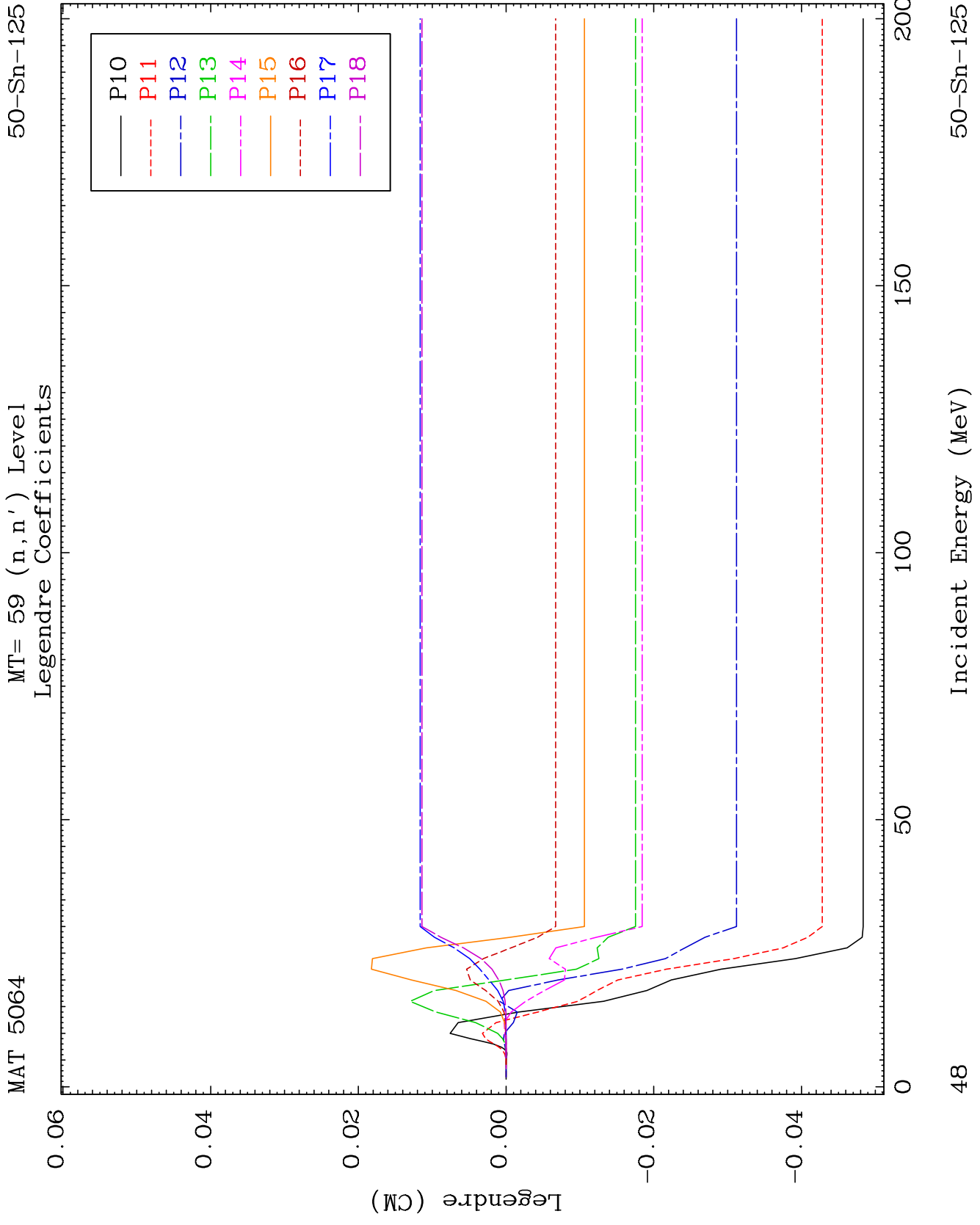
50-Sn-125

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



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

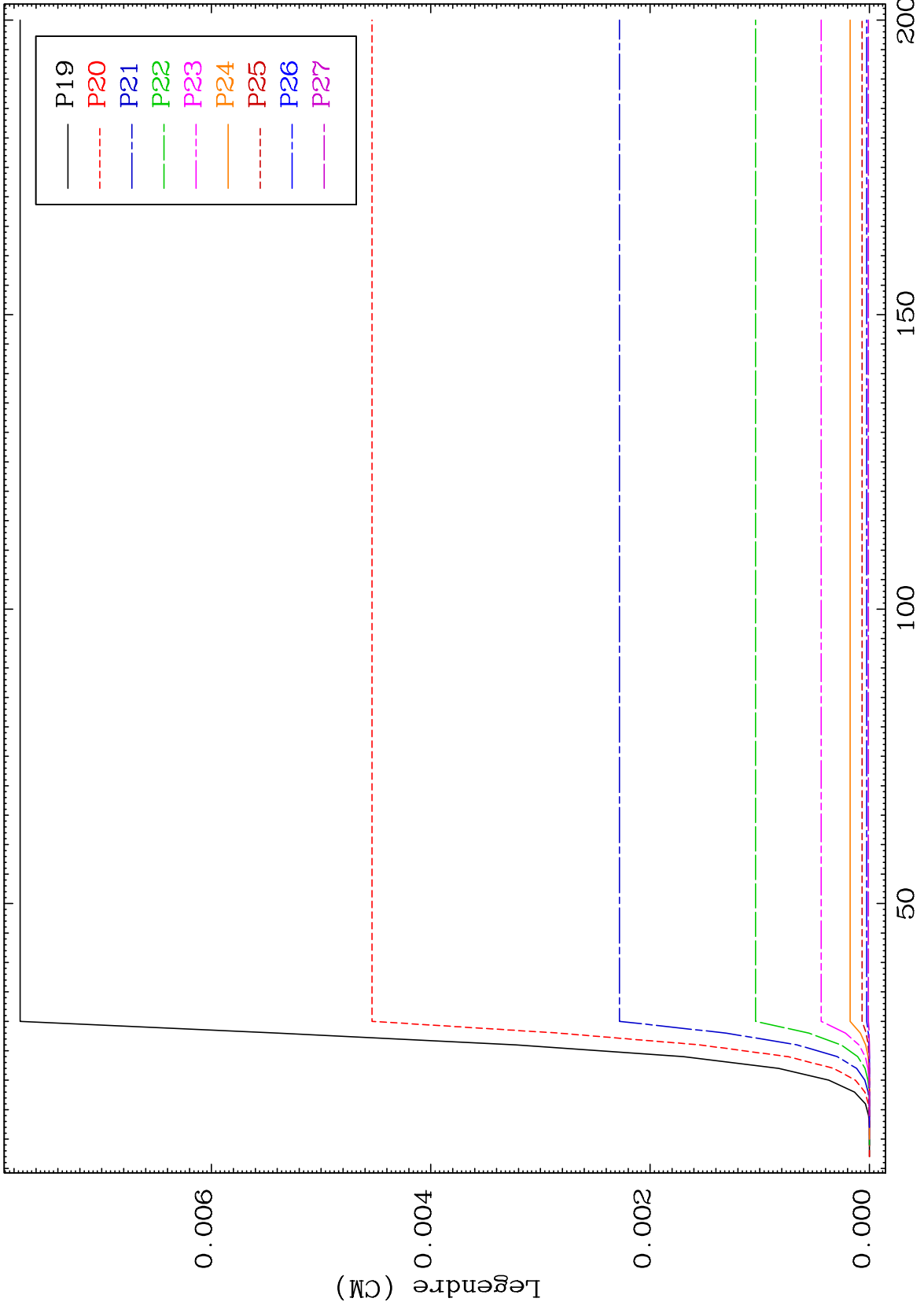




MAT 5064

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

50-Sn-125



49

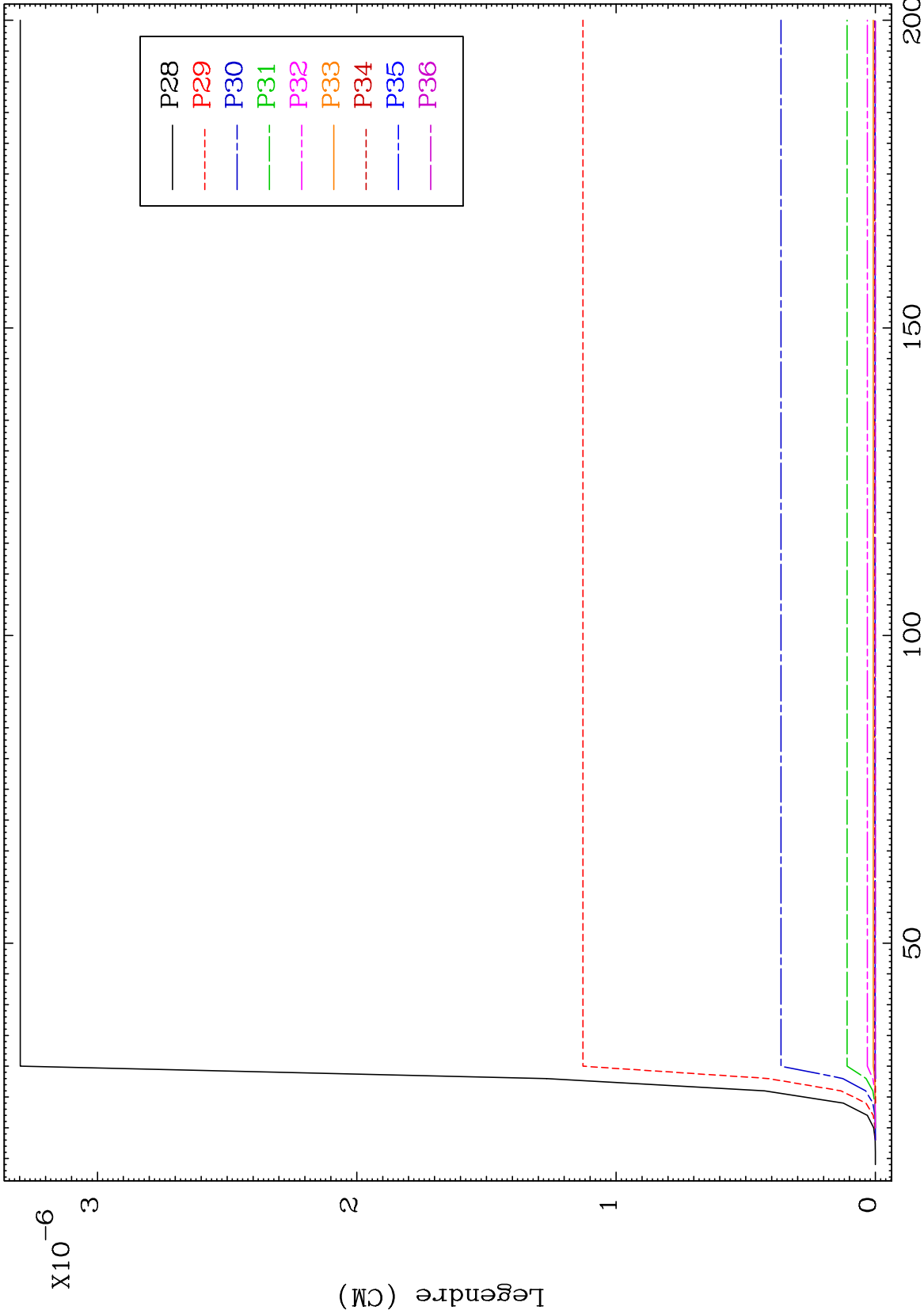
Incident Energy (MeV)

50-Sn-125

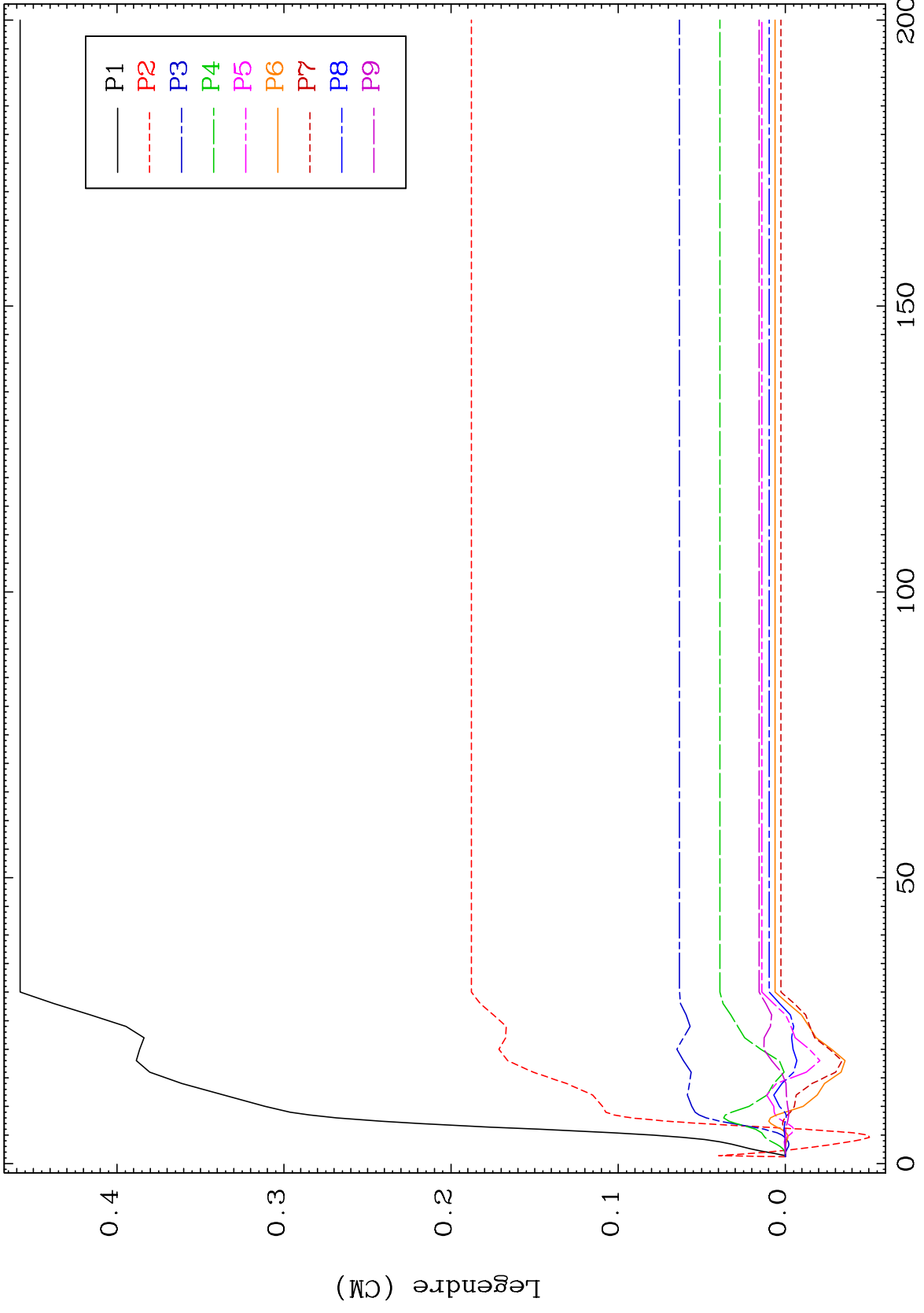
MAT 5064

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

50-Sn-125



MAT 5064 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-125

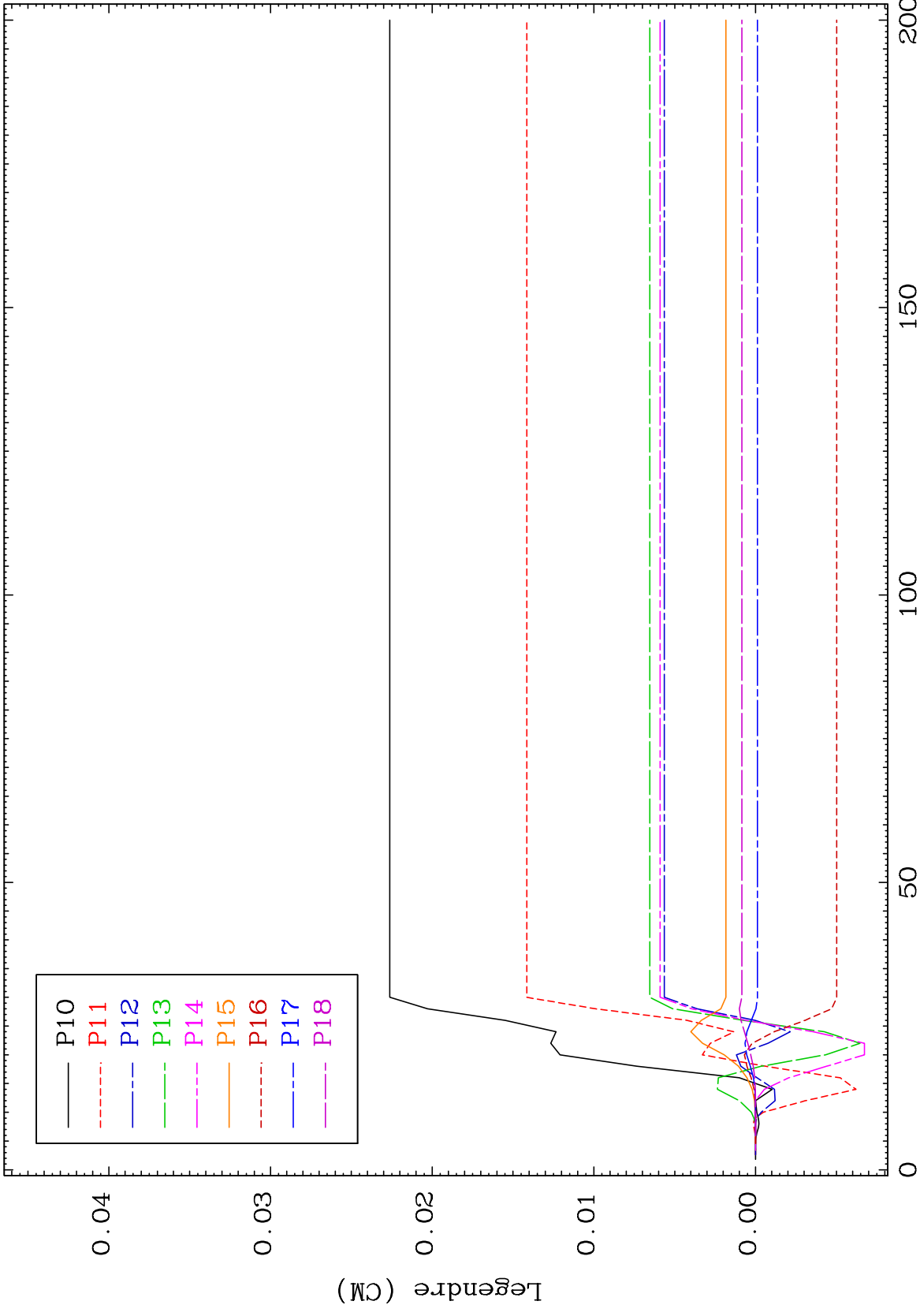


51 50-Sn-125

MAT 5064

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

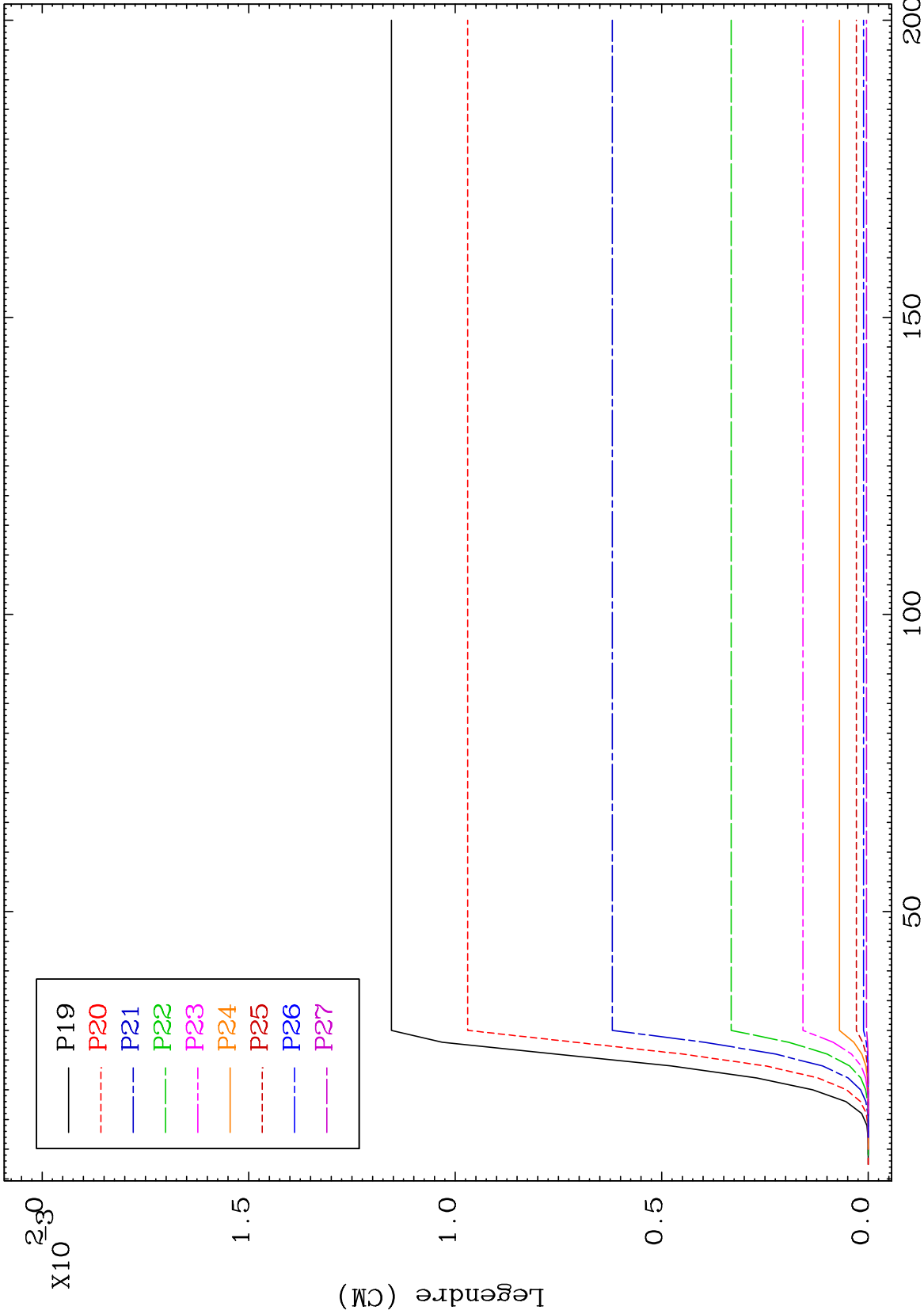
50-Sn-125



MAT 5064

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

50-Sn-125

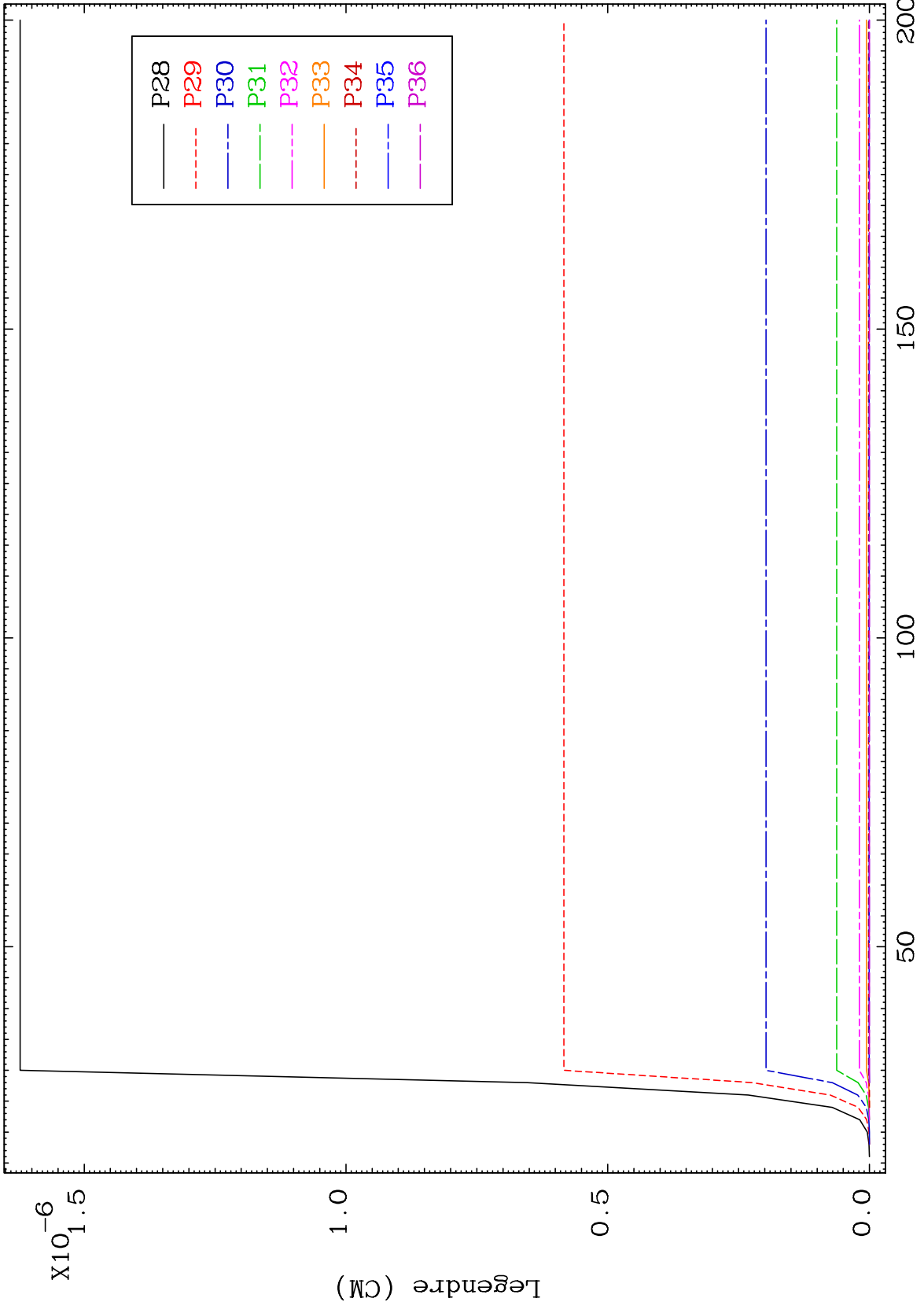


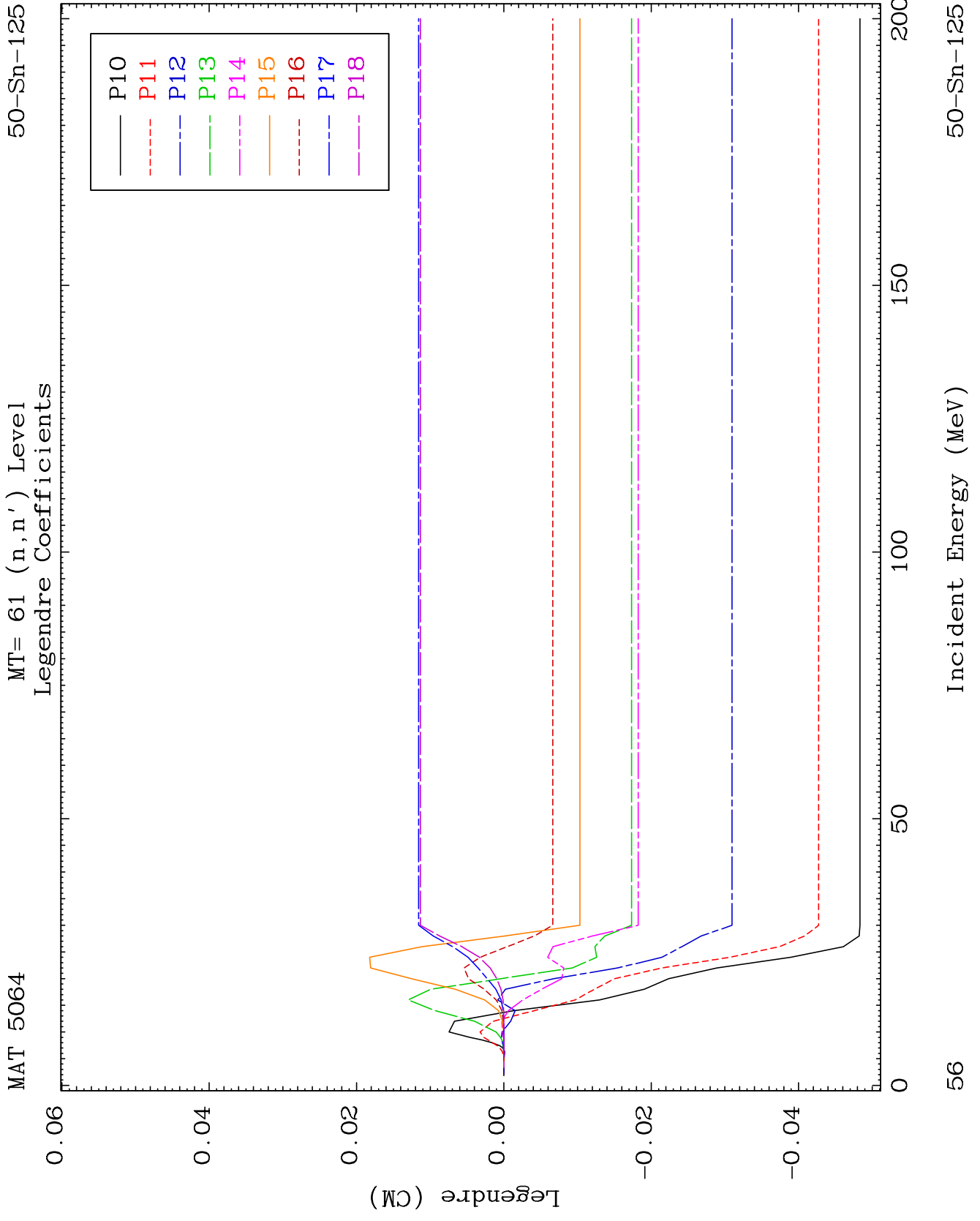
53

Incident Energy (MeV)

50-Sn-125

MAT 5064 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-125

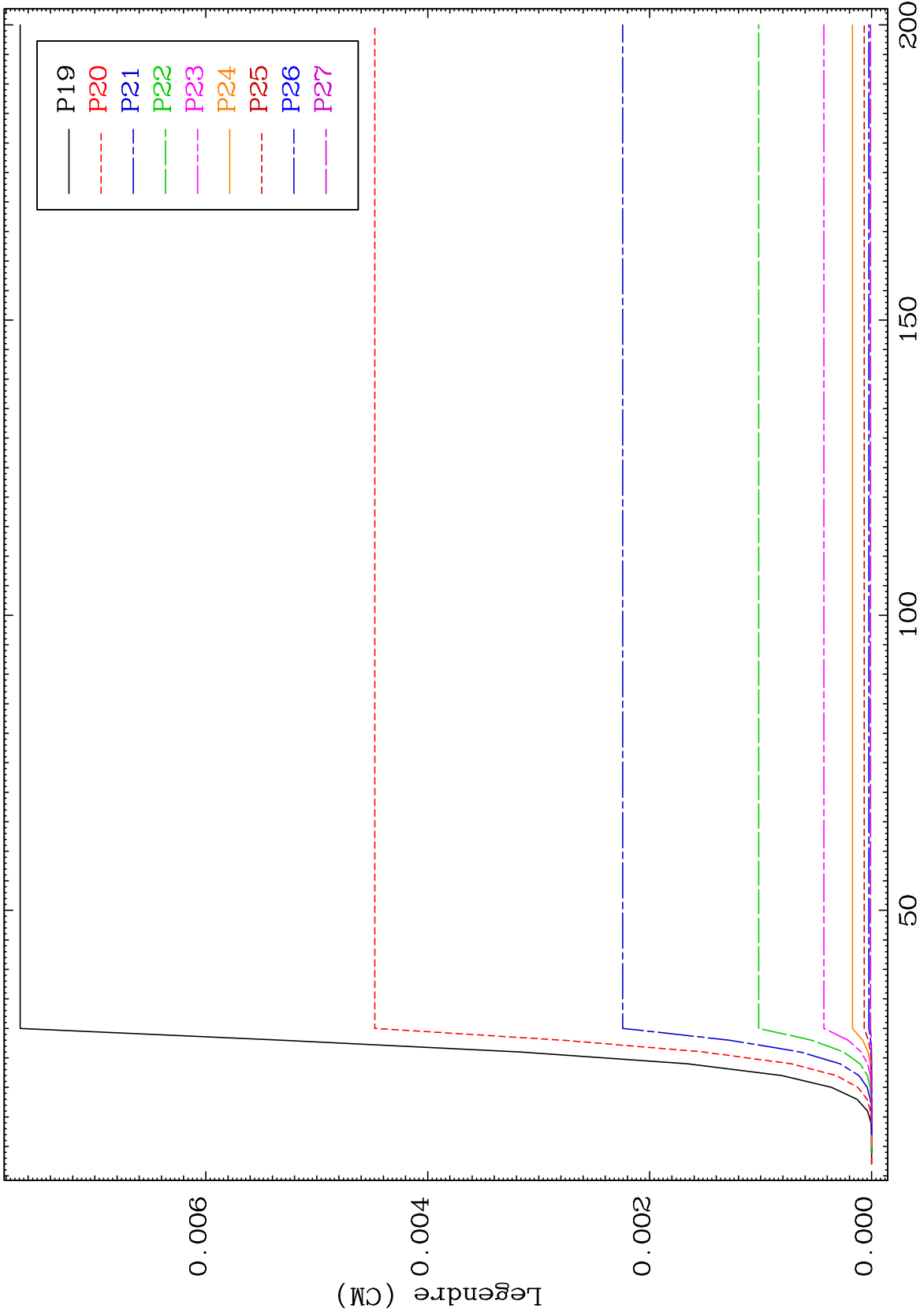




MAT 5064

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

50-Sn-125



57

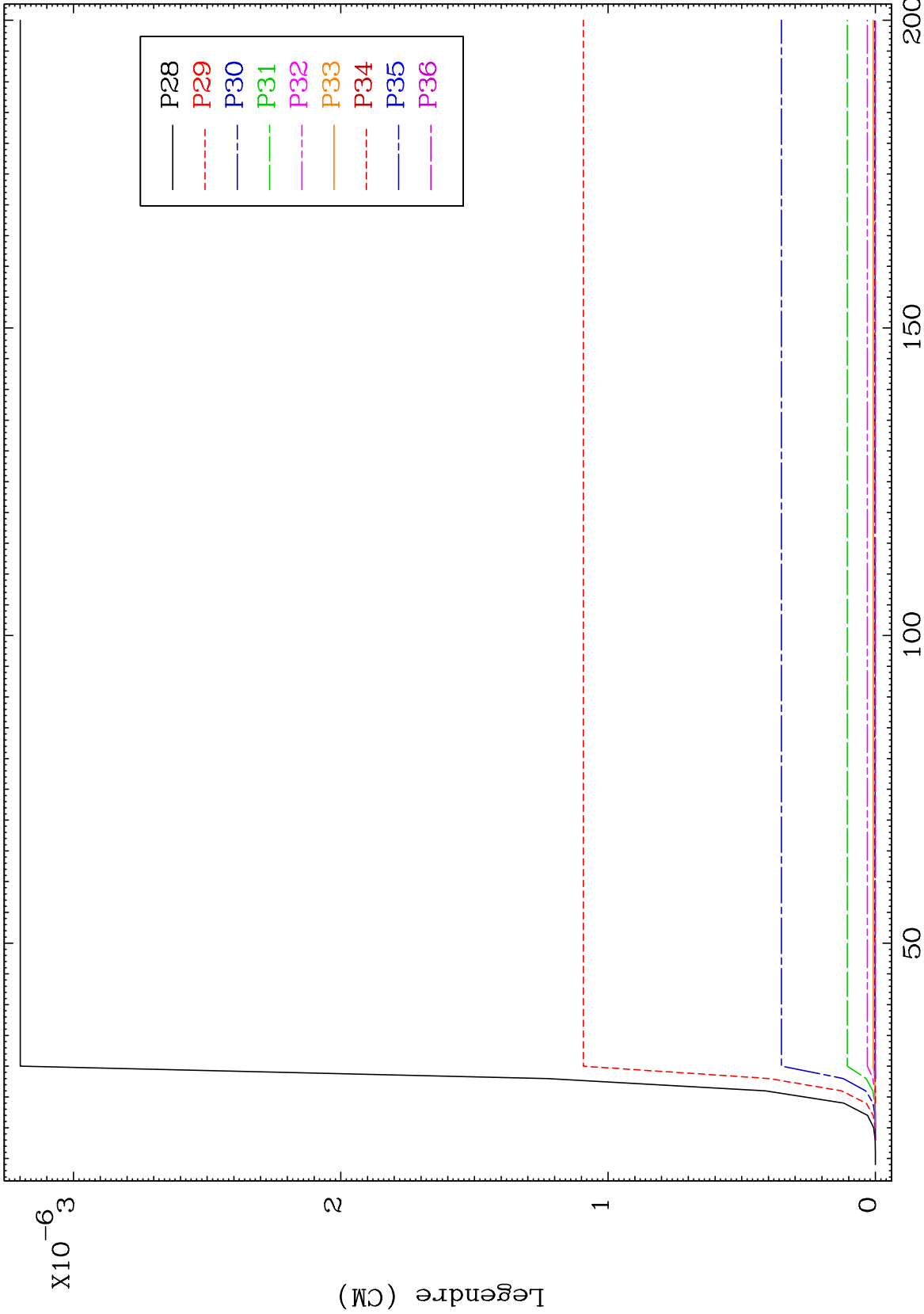
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



58

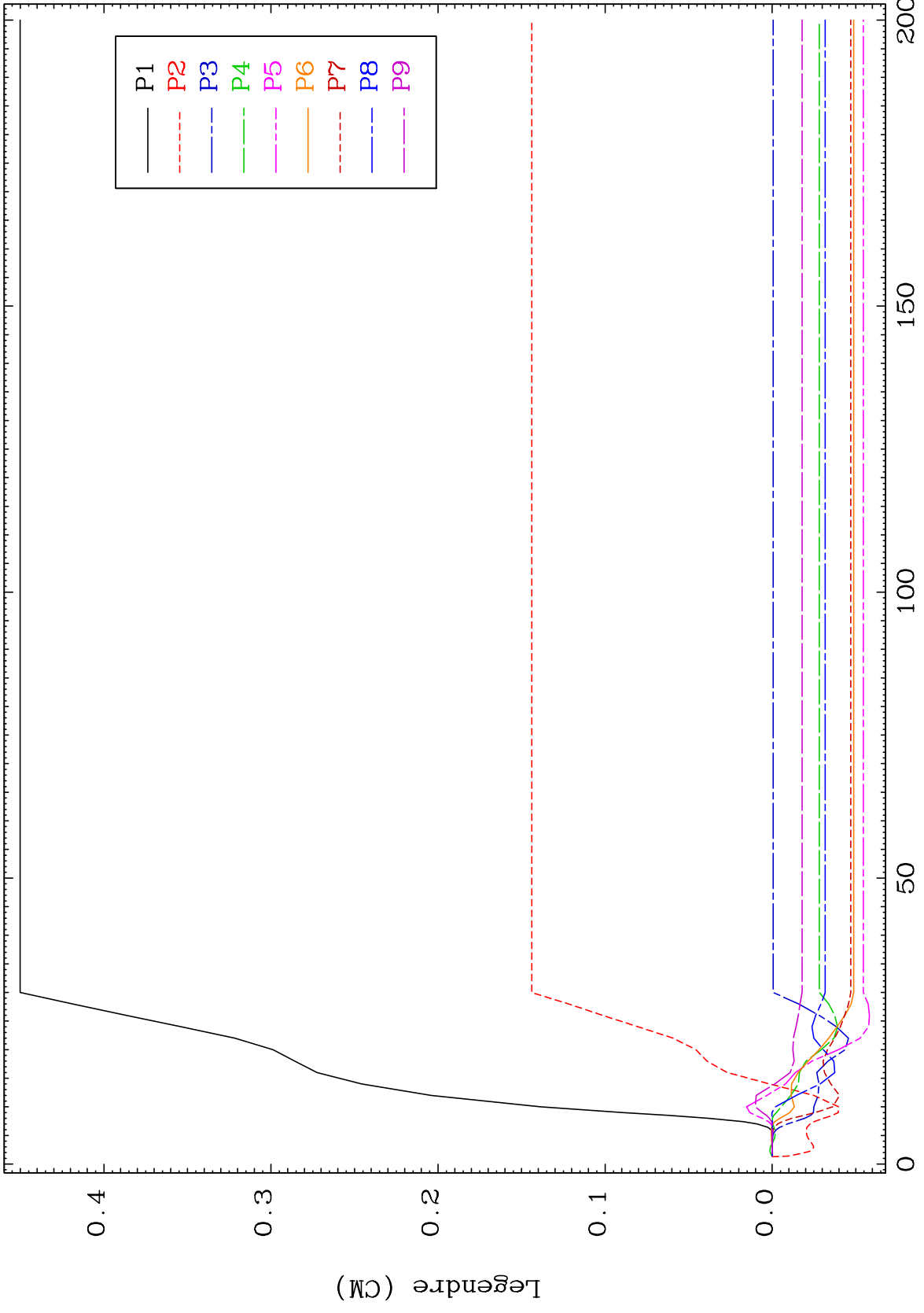
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



59

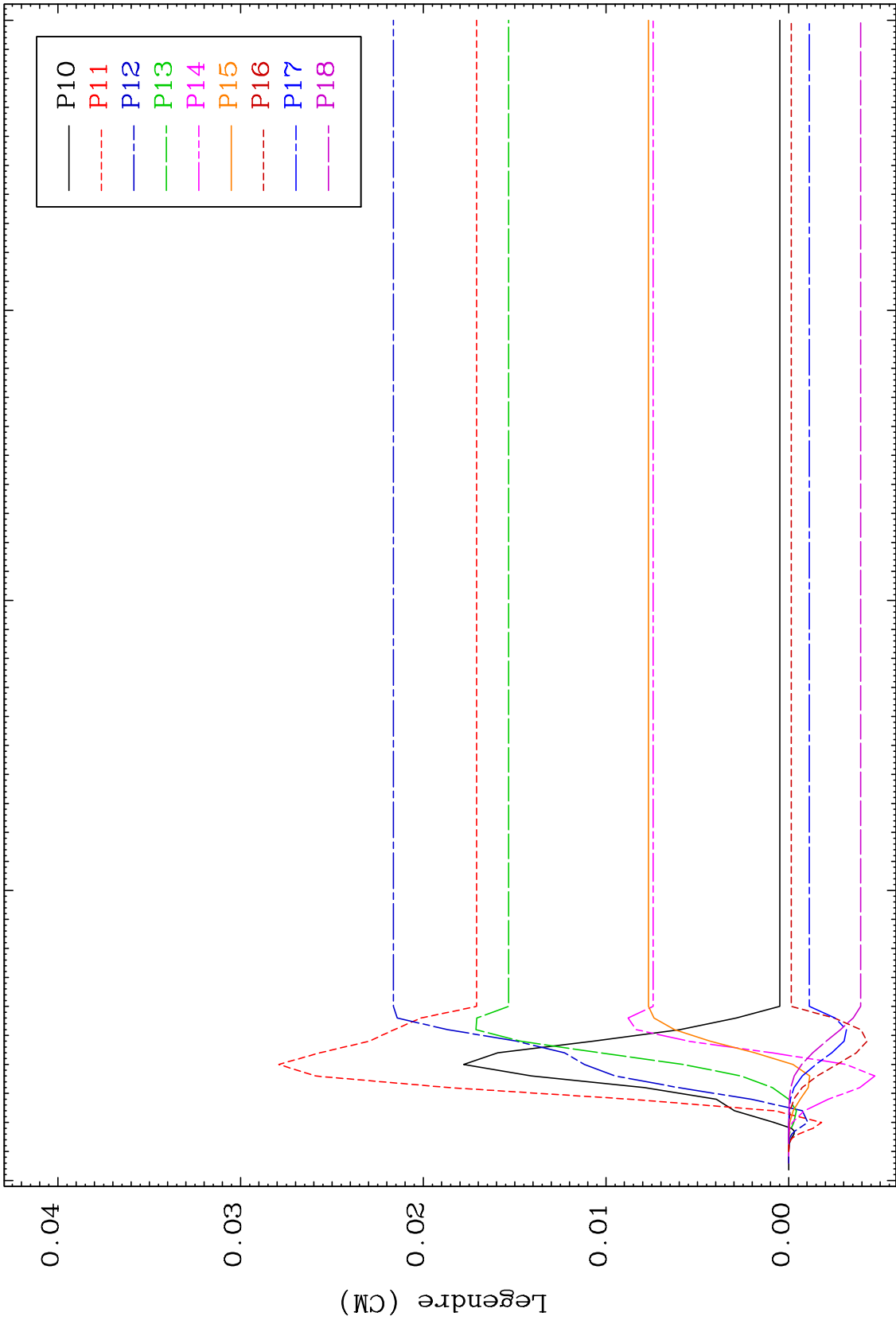
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



0

50

100

150

200

Incident Energy (MeV)

50-Sn-125

0.04

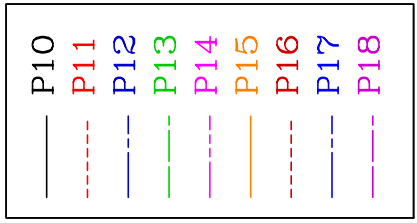
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0.02

0.01

0.00

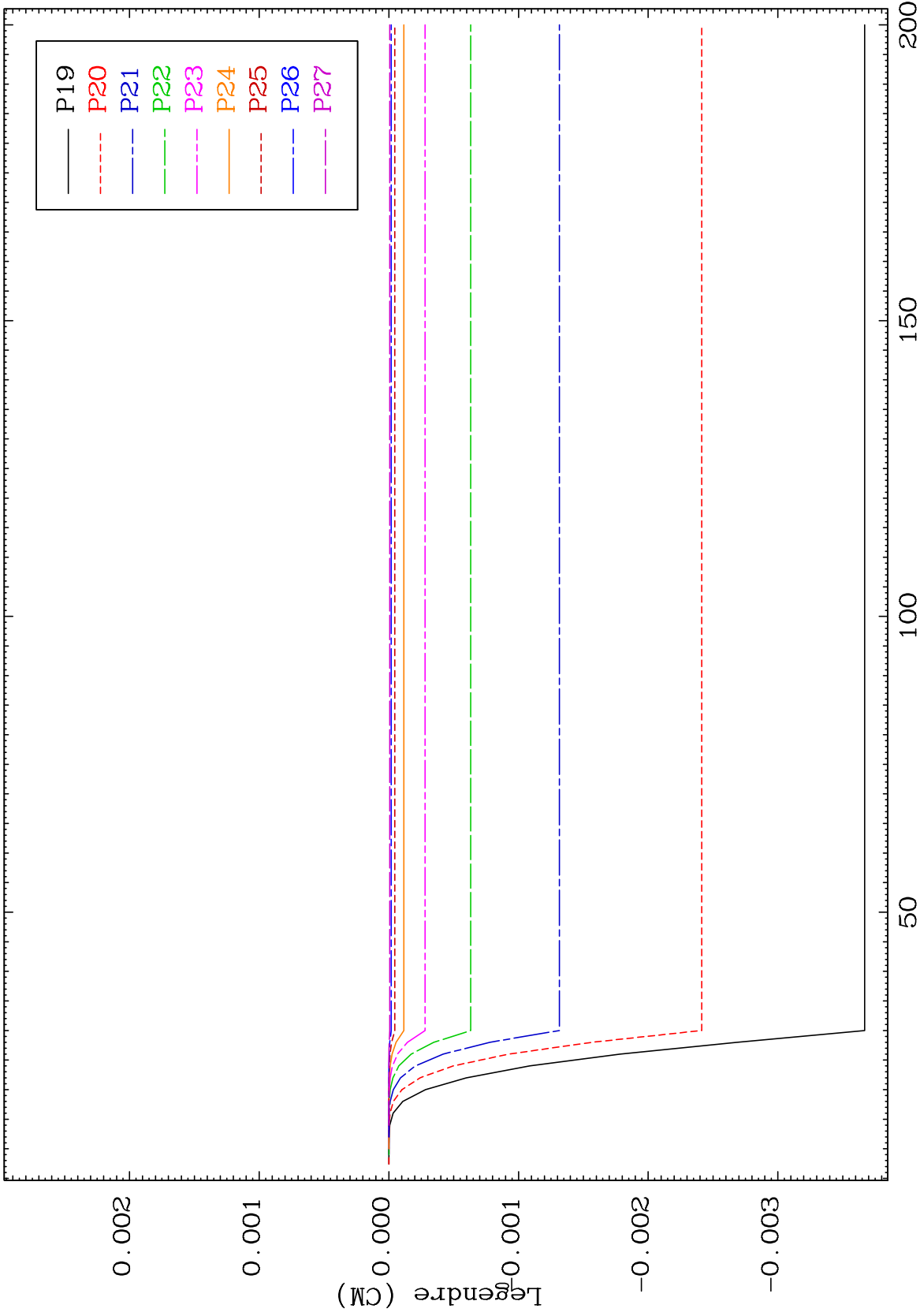
Legendre (CM)



MAT 5064

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

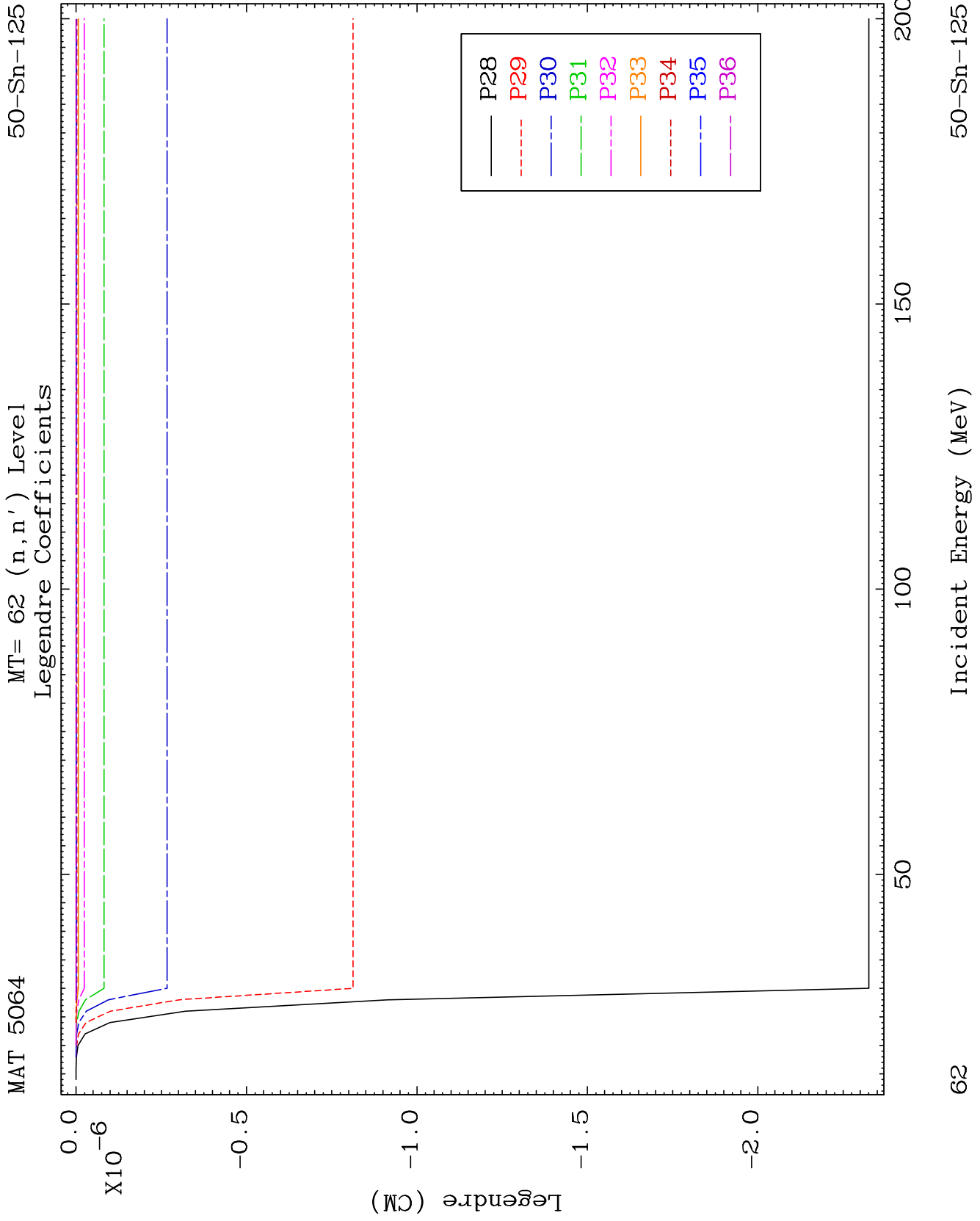
50-Sn-125

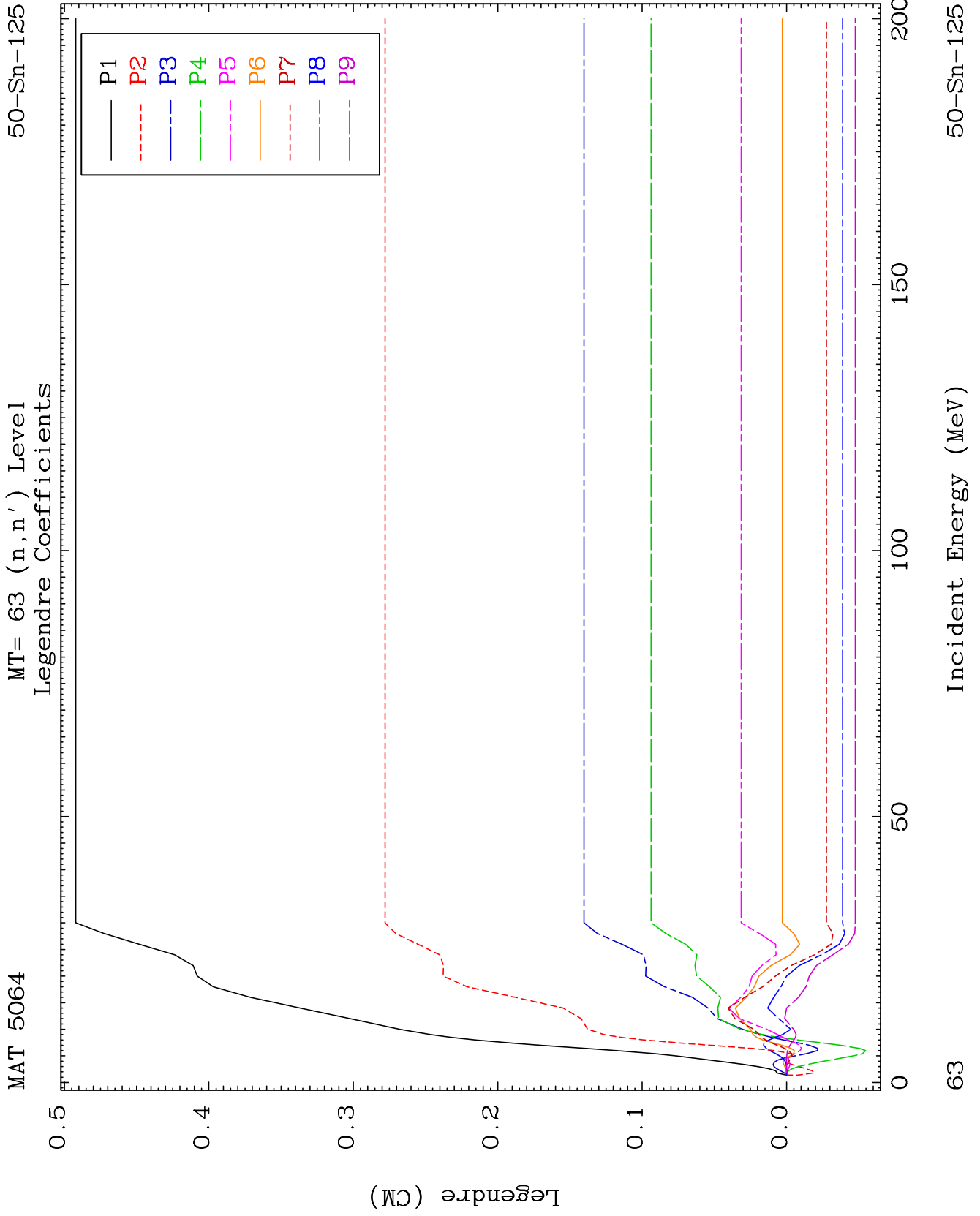


61

Incident Energy (MeV)

50-Sn-125

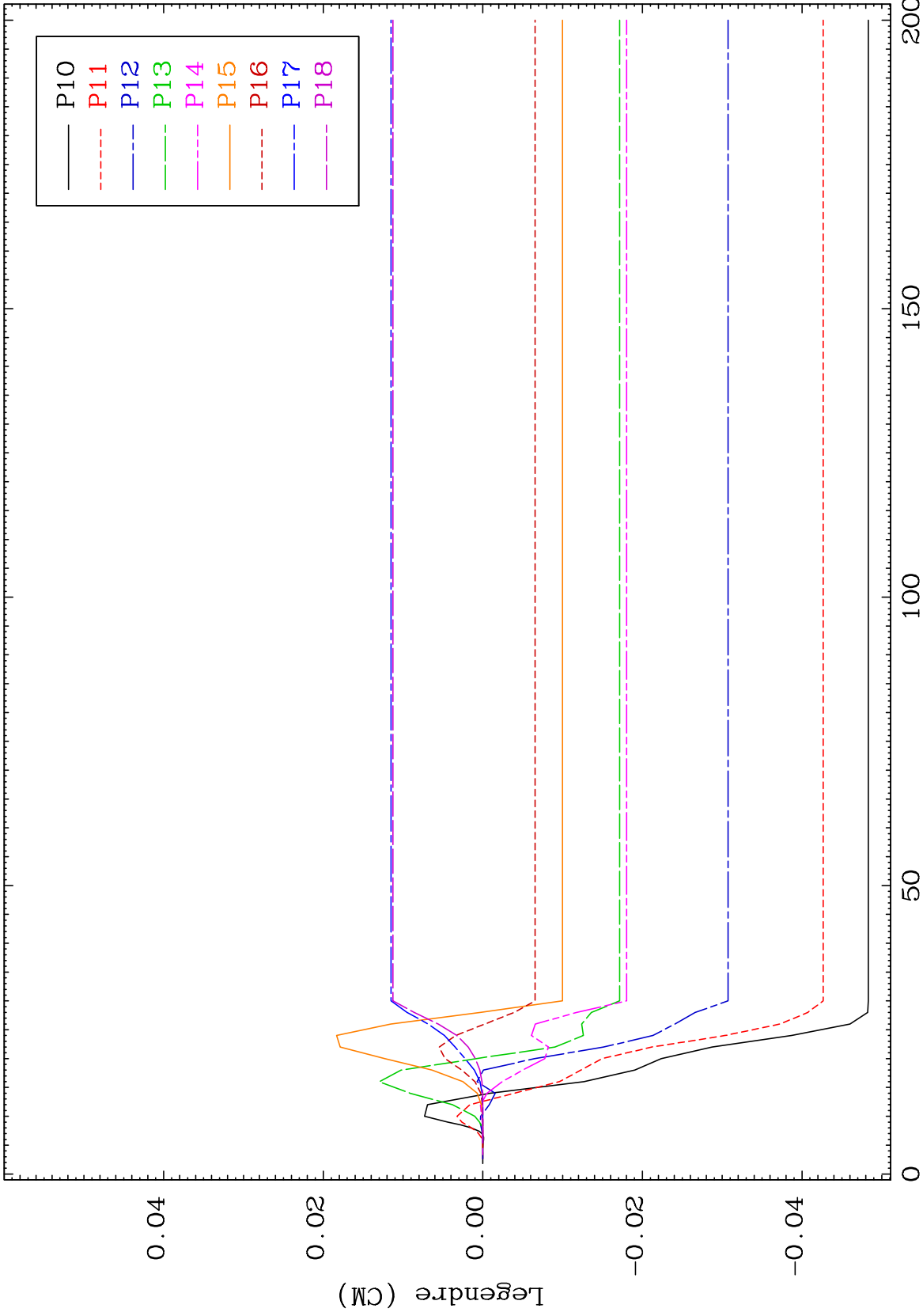




MAT 5064

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

50-Sn-125



64

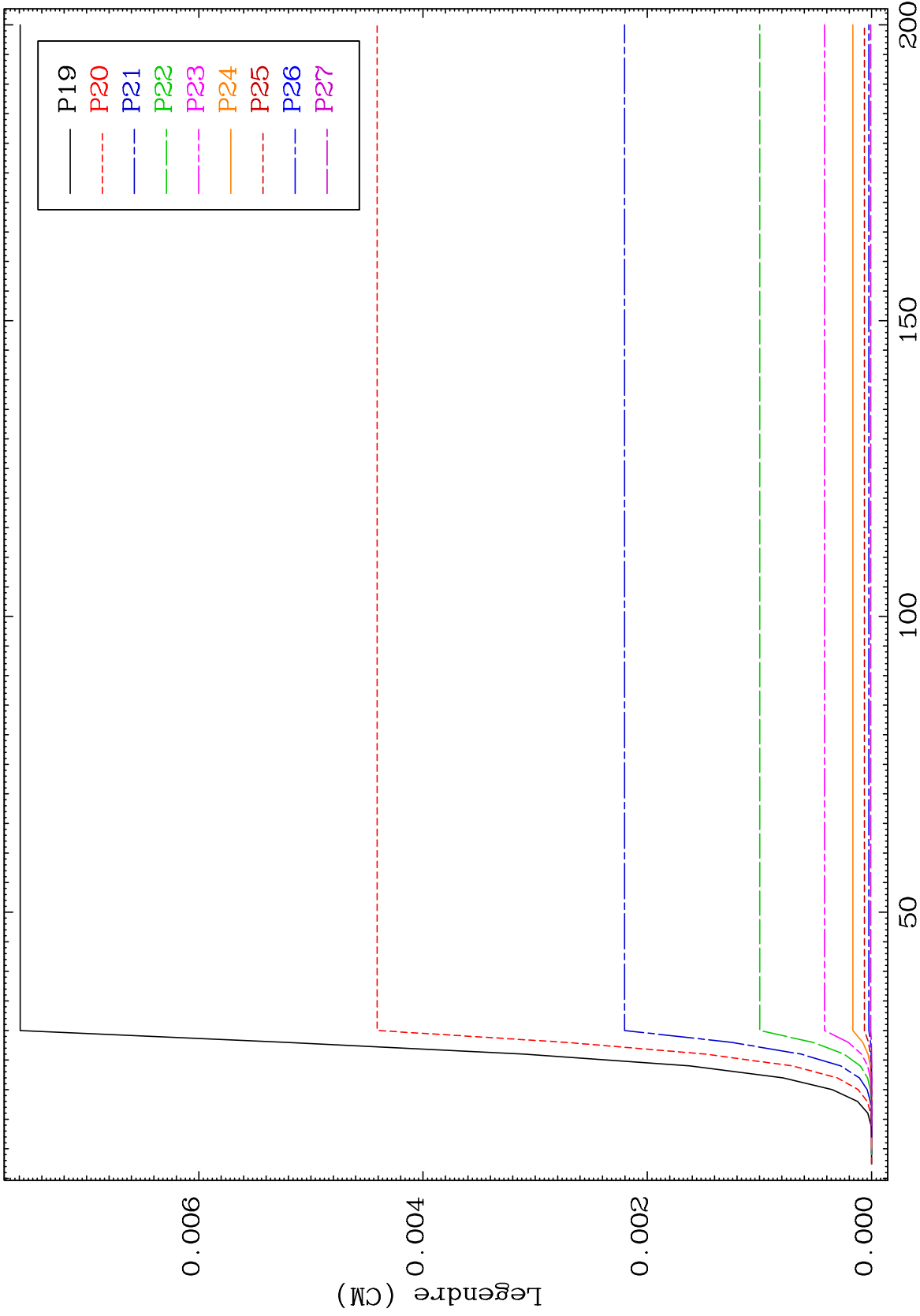
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



65

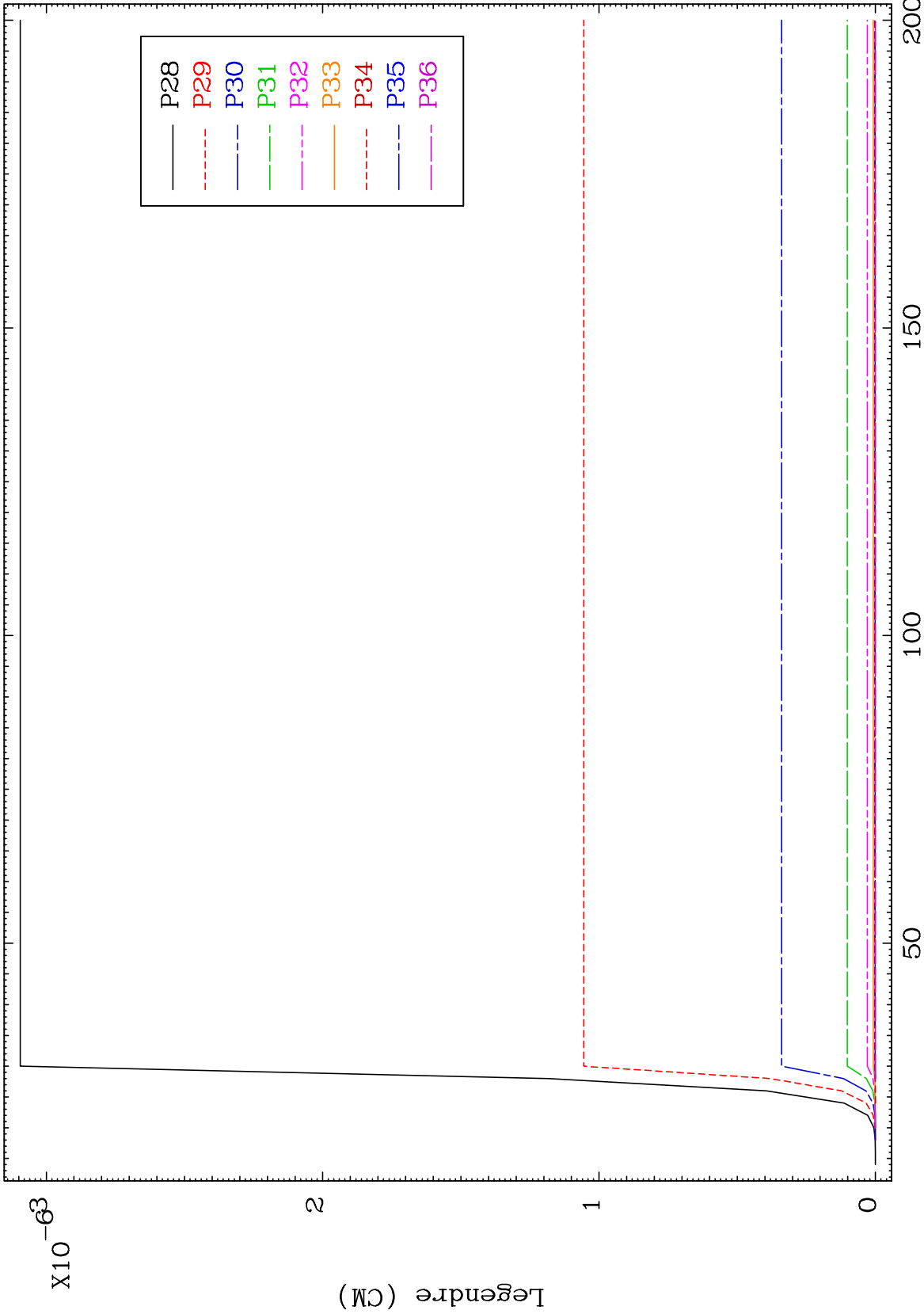
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

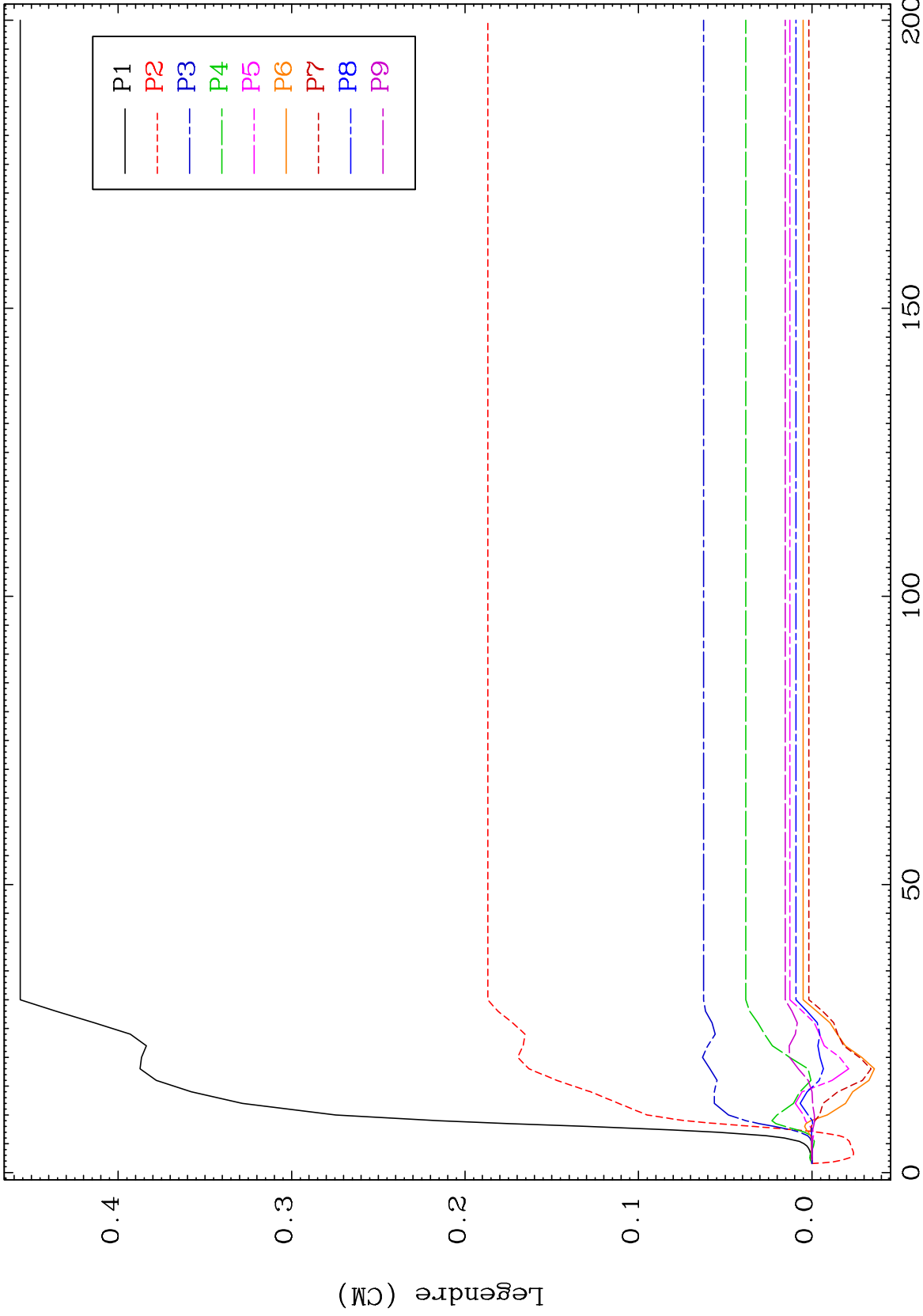
50-Sn-125



MAT 5064

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

50-Sn-125



67

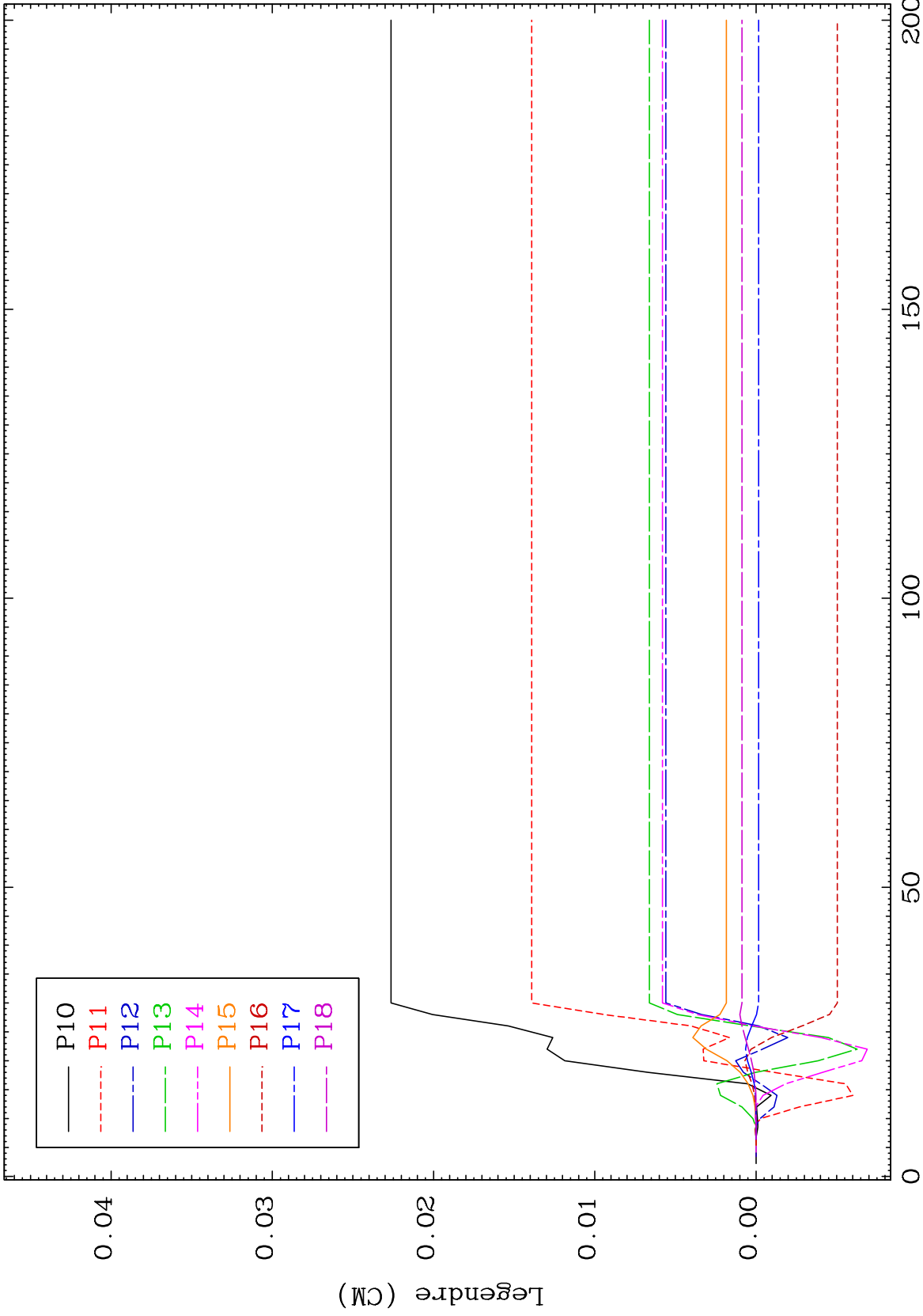
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



68

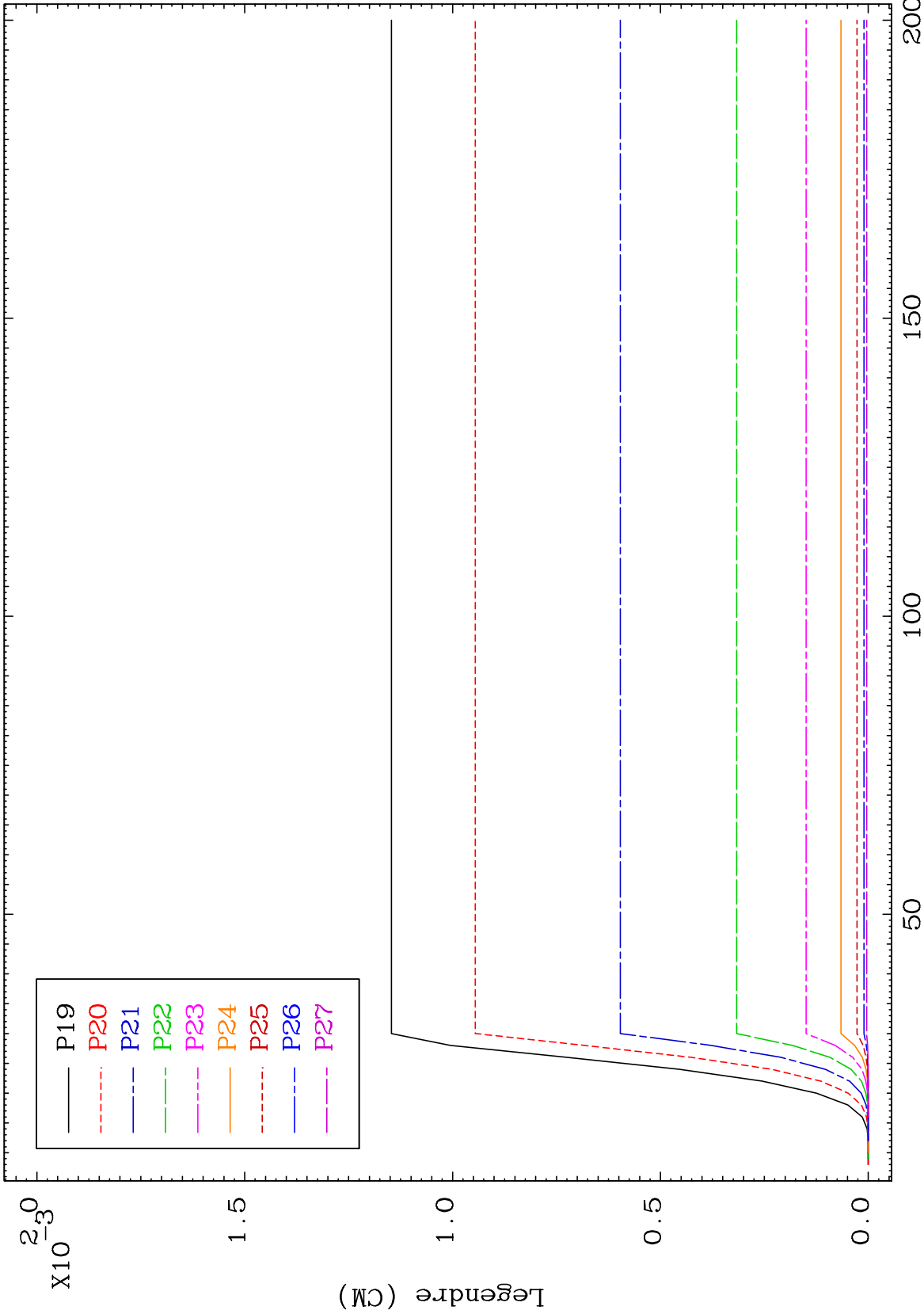
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125

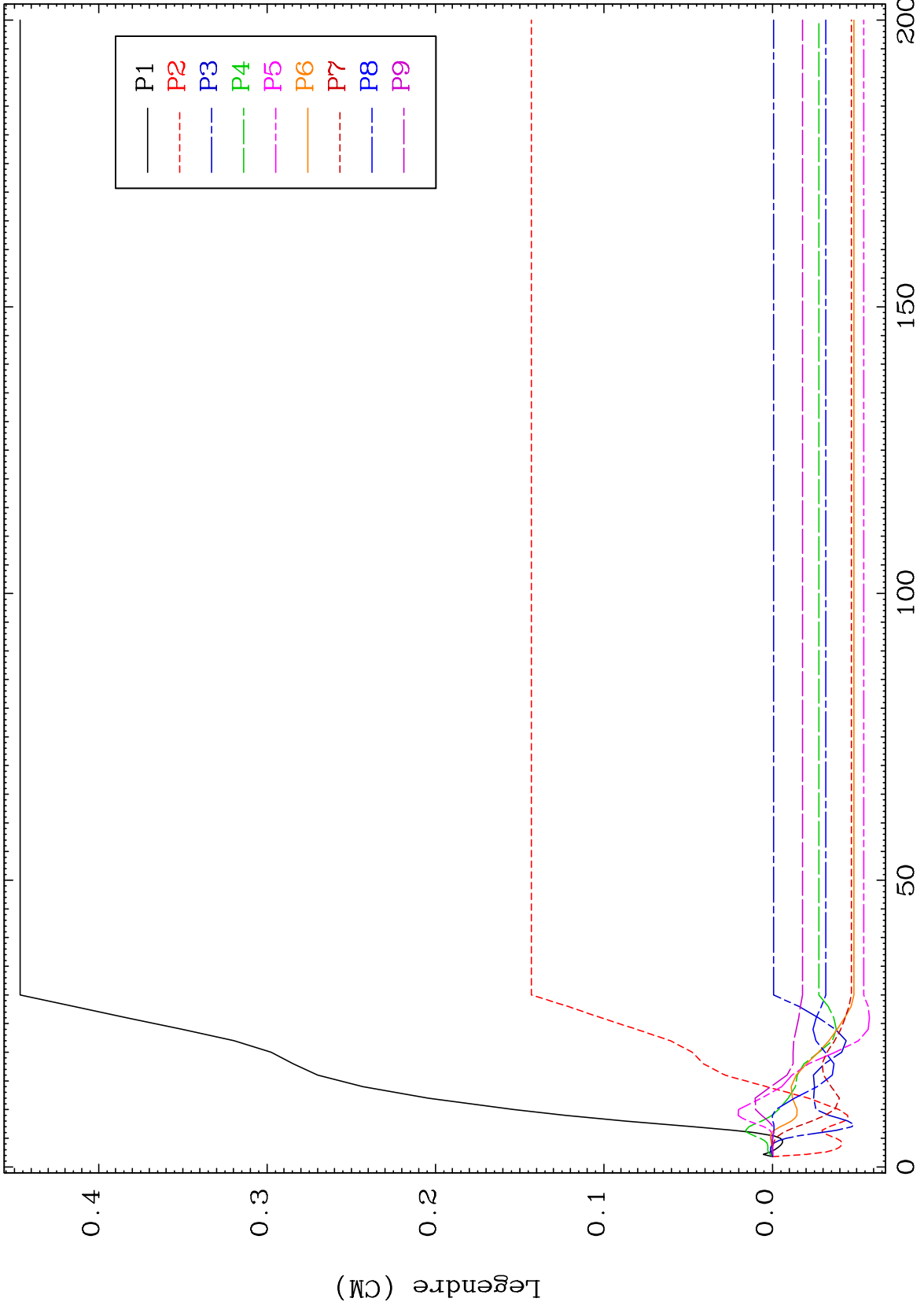


69

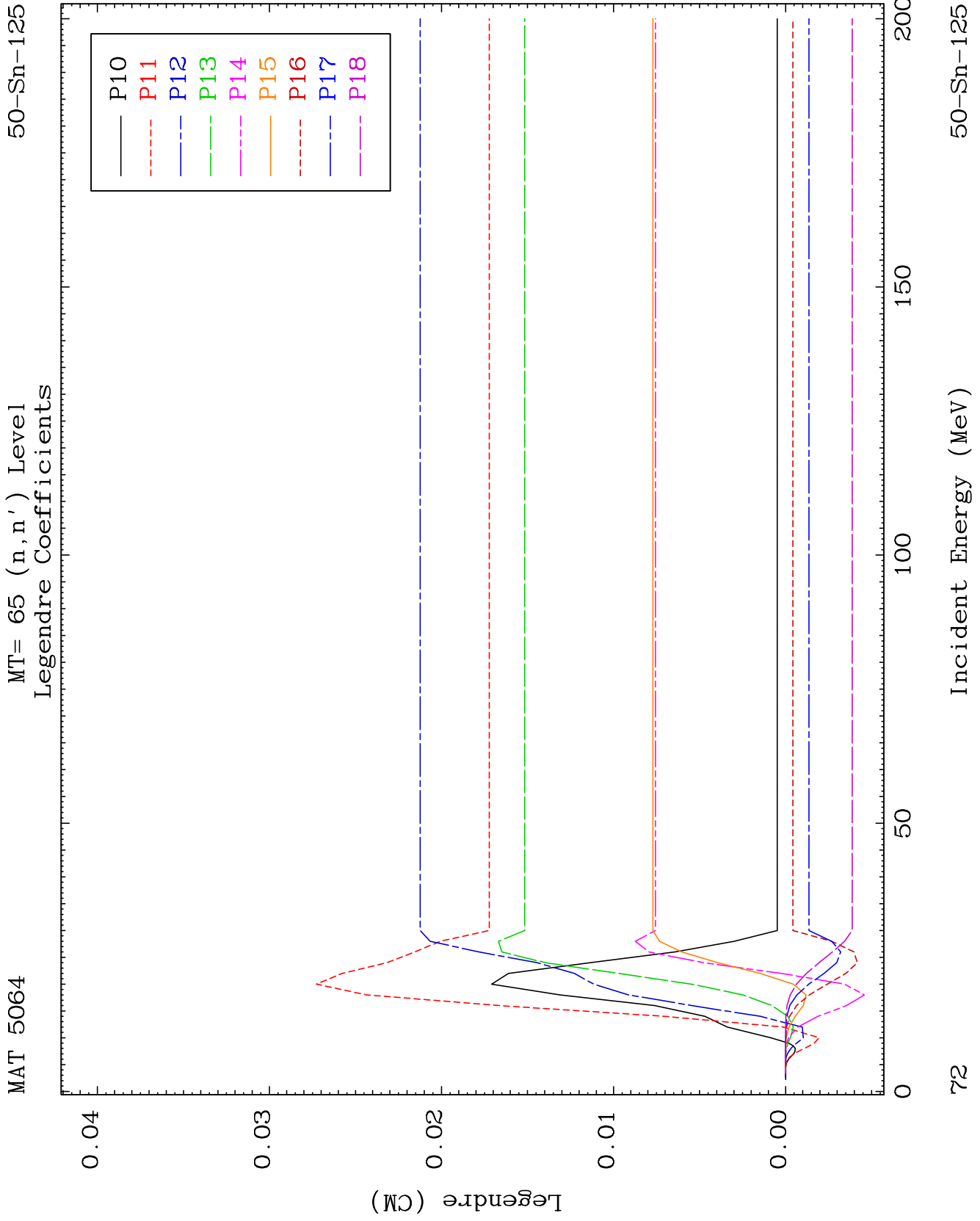
Incident Energy (MeV)

50-Sn-125

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



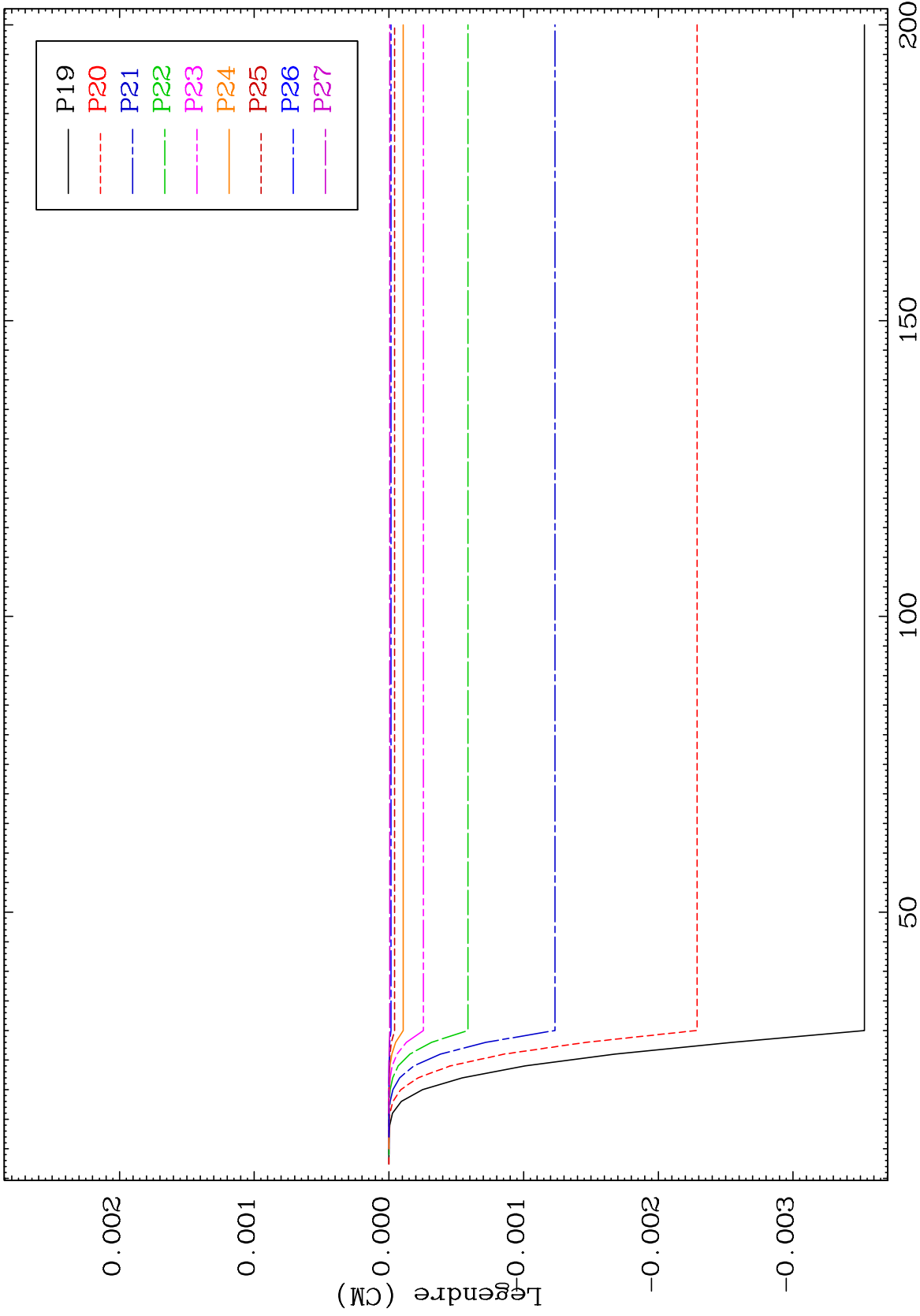
71 50-Sn-125



MAT 5064

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

50-Sn-125

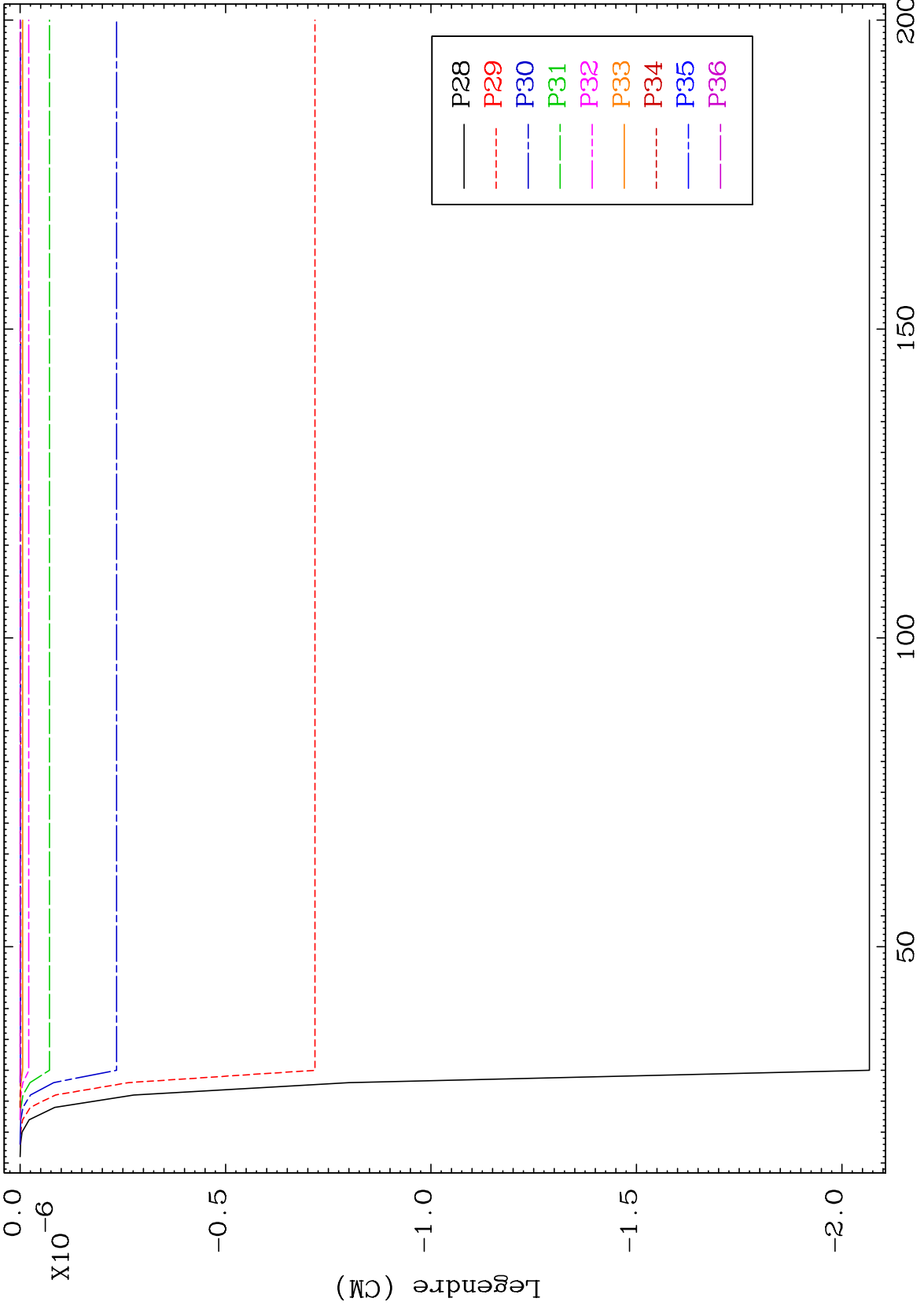


73

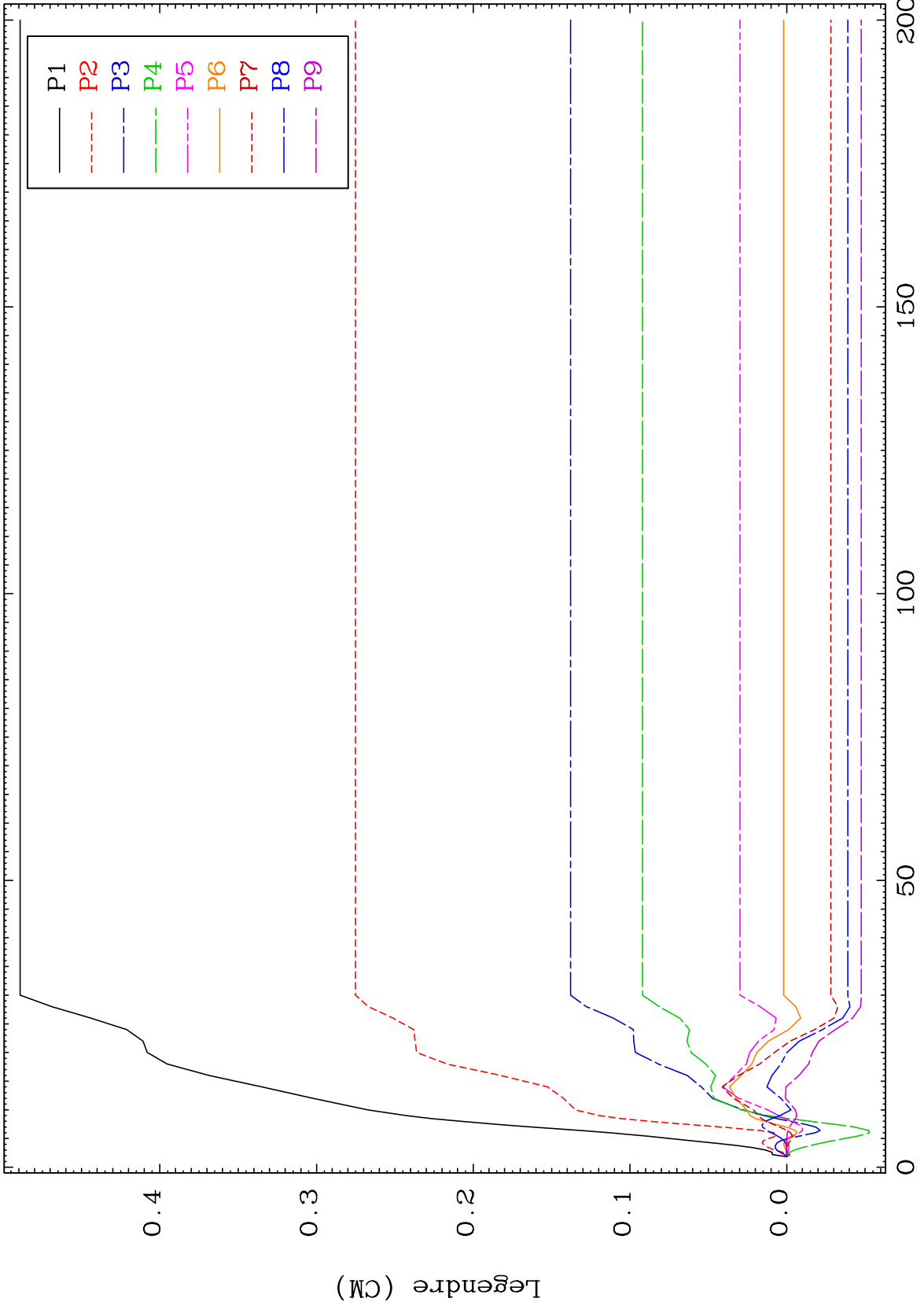
Incident Energy (MeV)

50-Sn-125

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



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

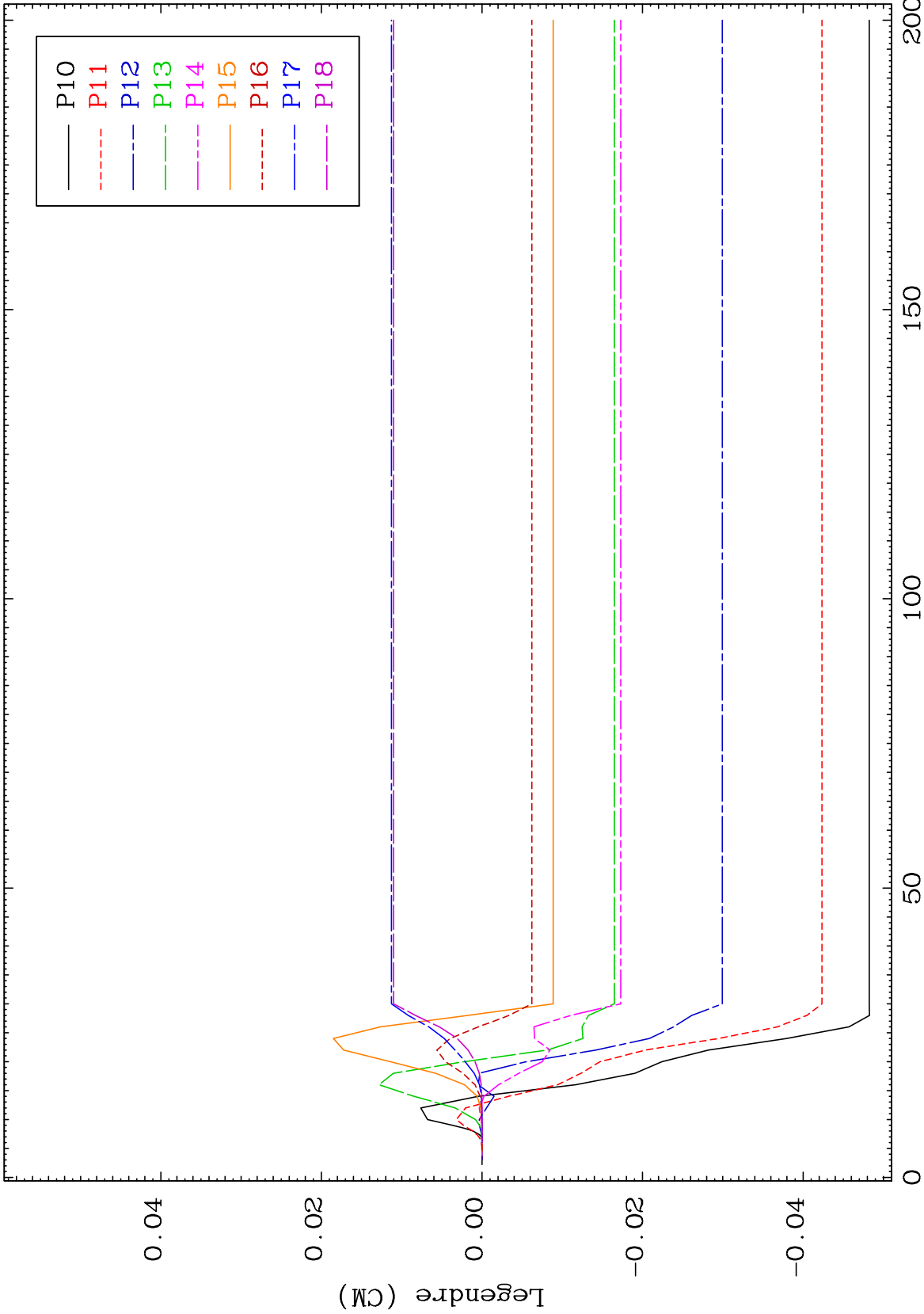


75 Incident Energy (MeV) 50-Sn-125

MAT 5064

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

50-Sn-125



76

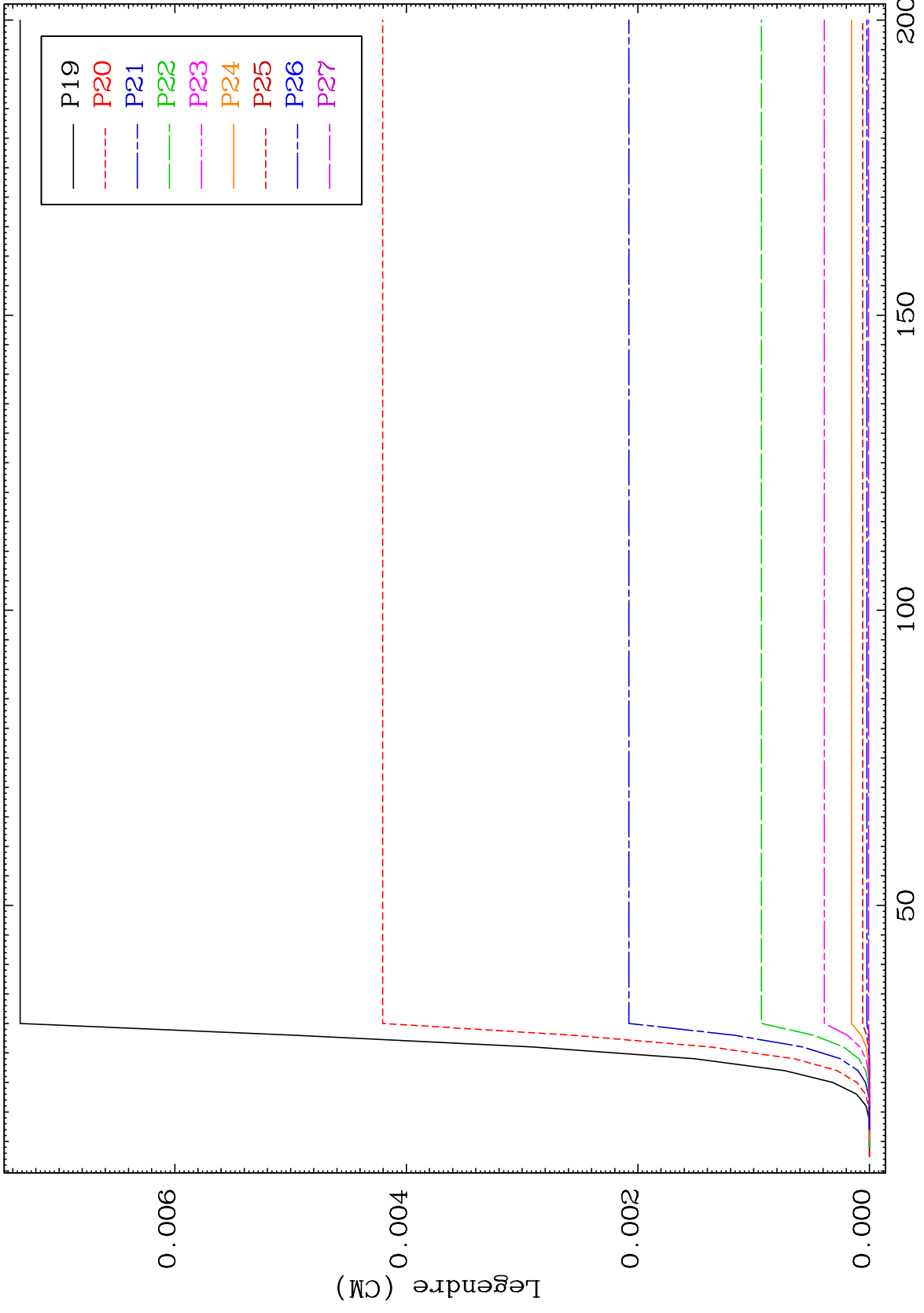
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



77

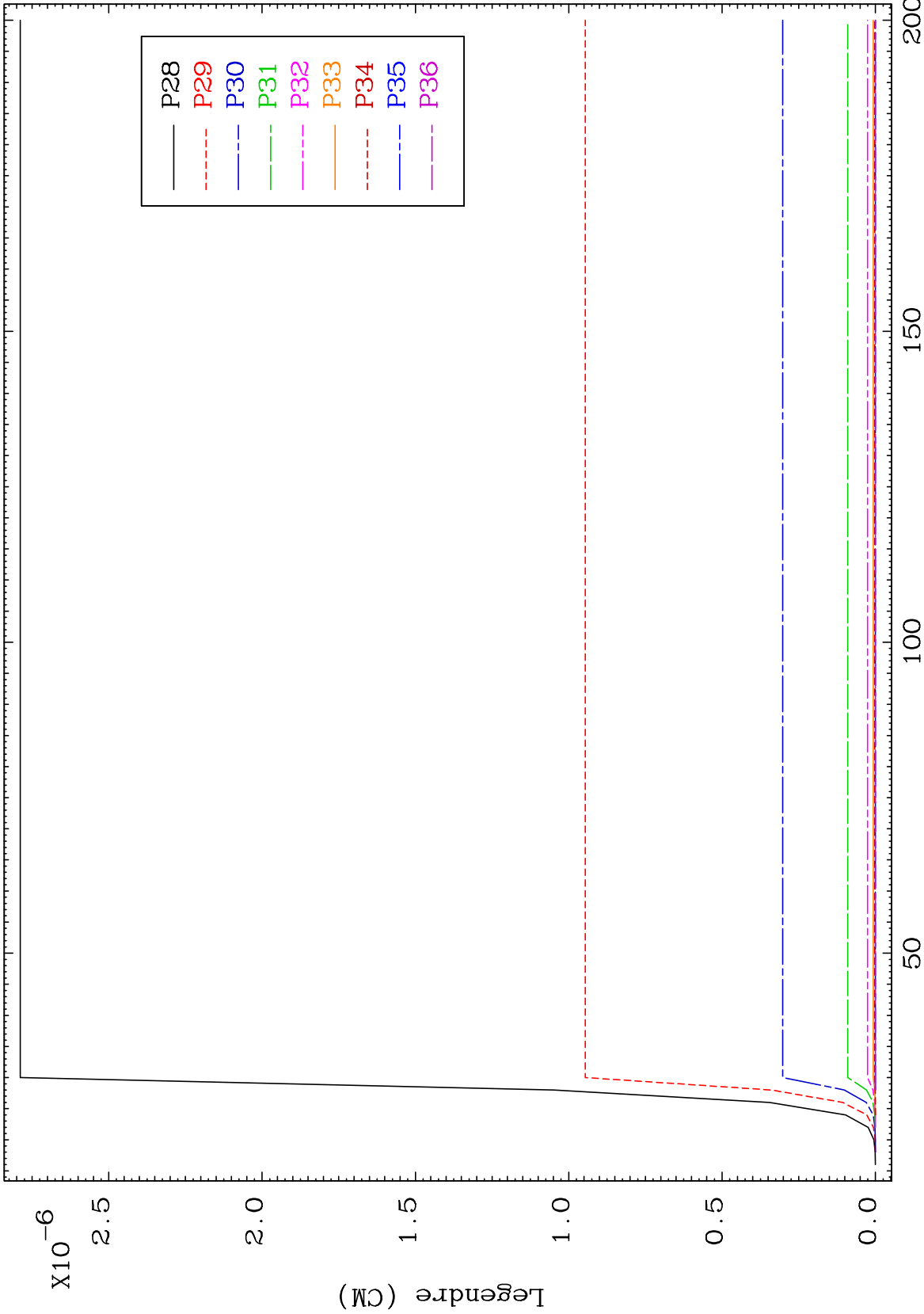
Incident Energy (MeV)

50-Sn-125

MAT 5064

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

50-Sn-125



78

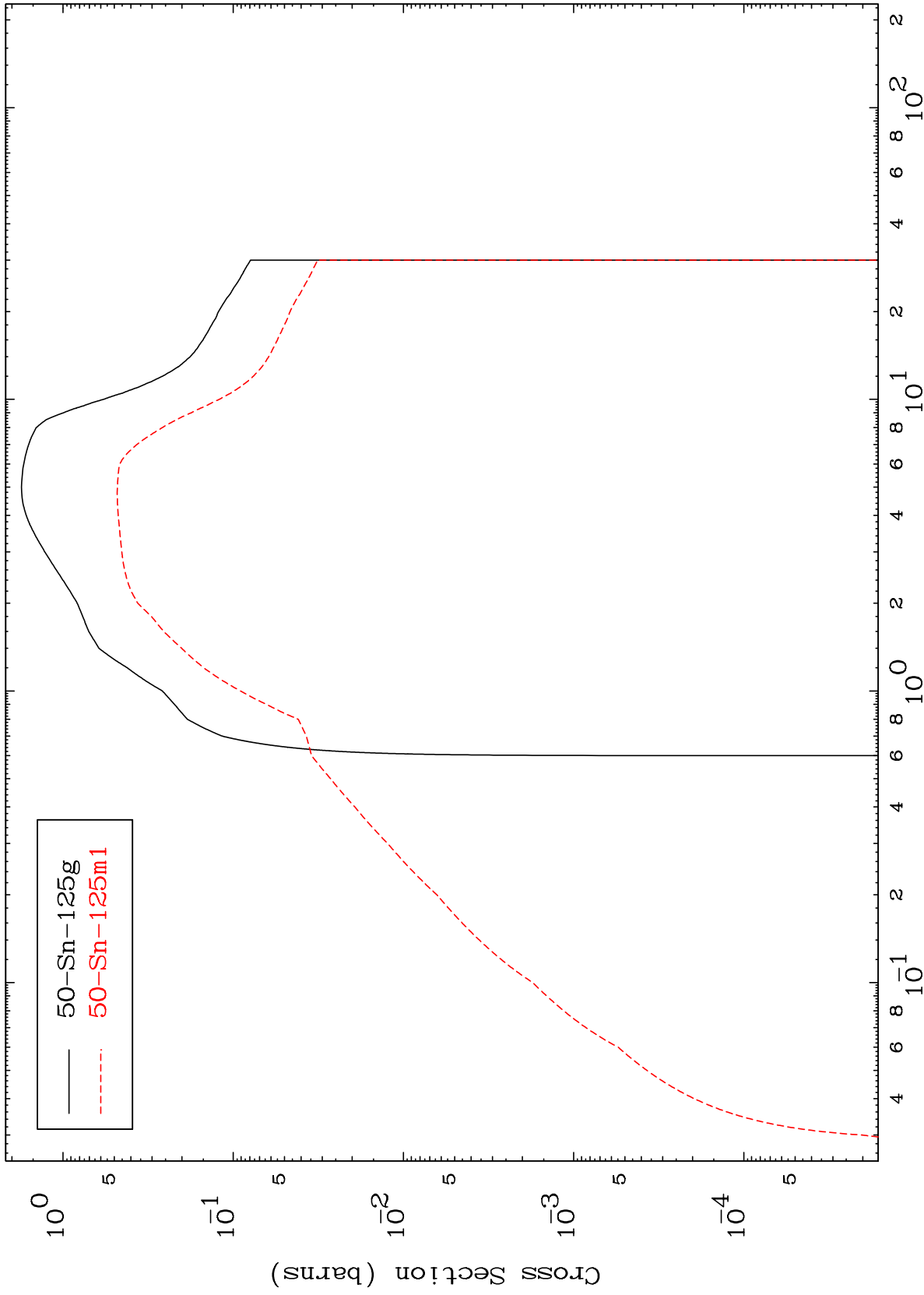
Incident Energy (MeV)

50-Sn-125

MAT 5064

Inelastic
Radionuclide Production Cross Section

50-Sn-125



50-Sn-125g
50-Sn-125m1

79

Incident Energy (MeV)

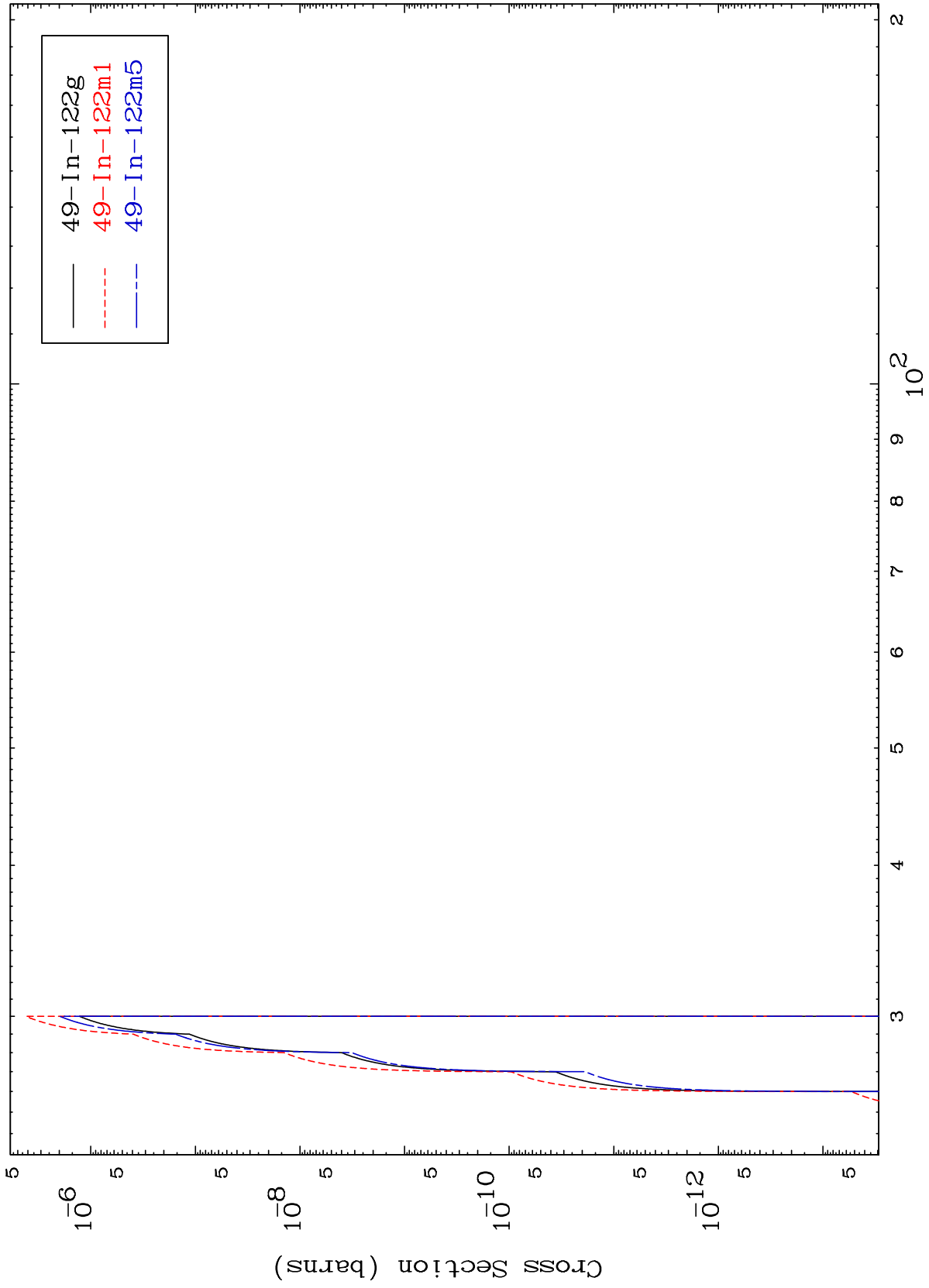
50-Sn-125

MAT 5064

(n,2n) d

50-Sn-125

Radionuclide Production Cross Section



80

Incident Energy (MeV)

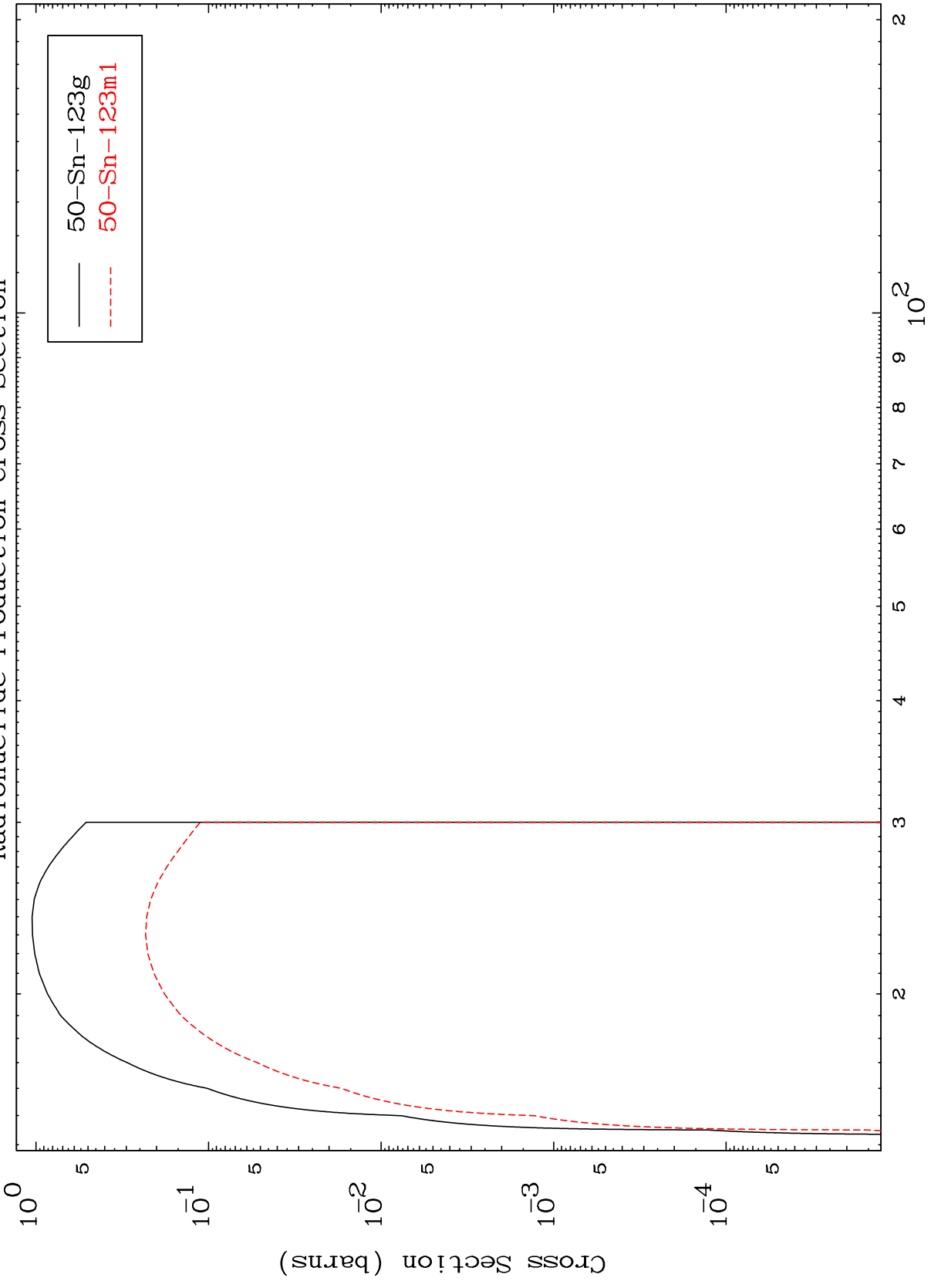
50-Sn-125

MAT 5064

(n,3n)

50-Sn-125

Radionuclide Production Cross Section



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

81

Incident Energy (MeV)

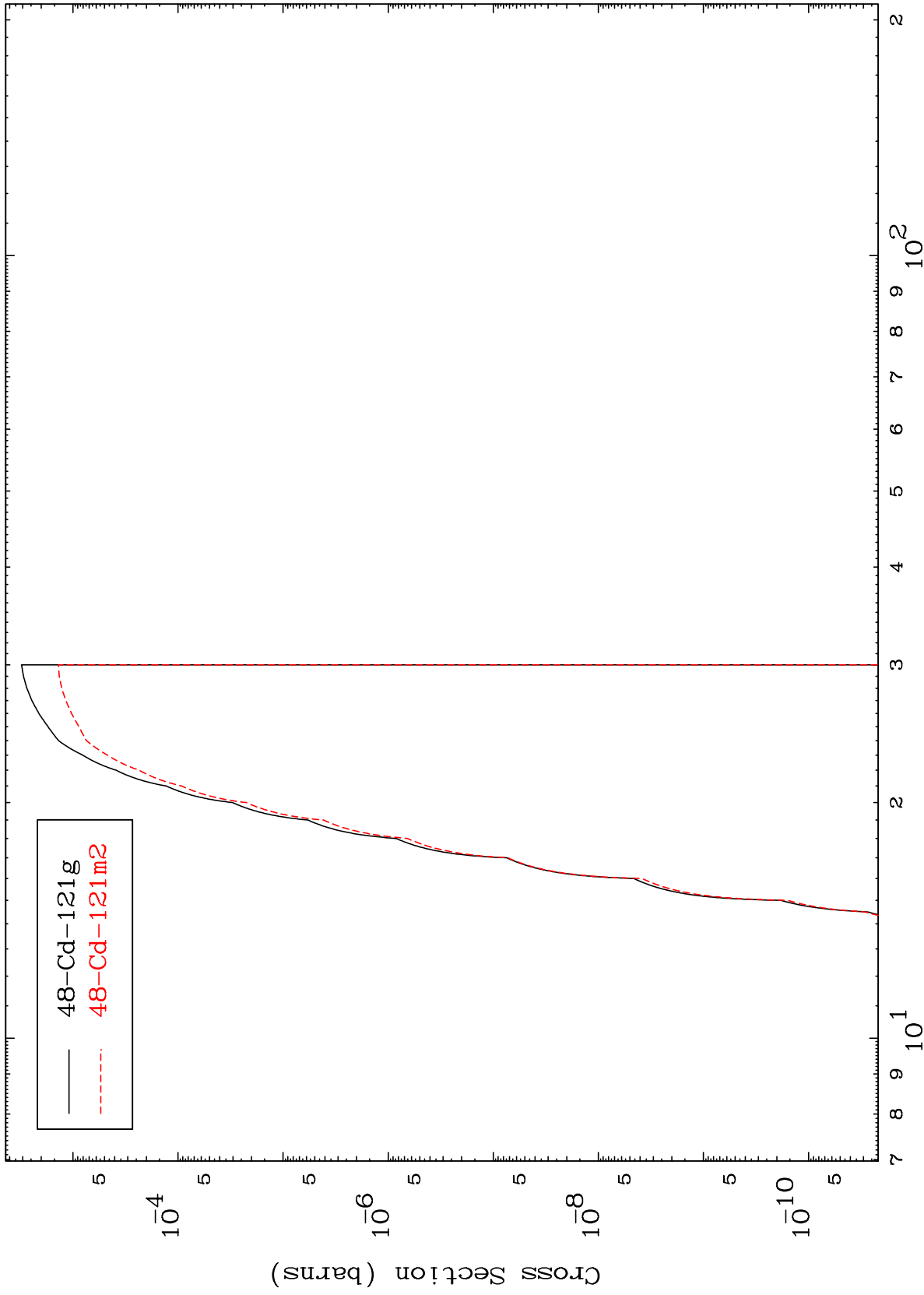
50-Sn-125

MAT 5064

(n,n') α

50-Sn-125

Radionuclide Production Cross Section



82

Incident Energy (MeV)

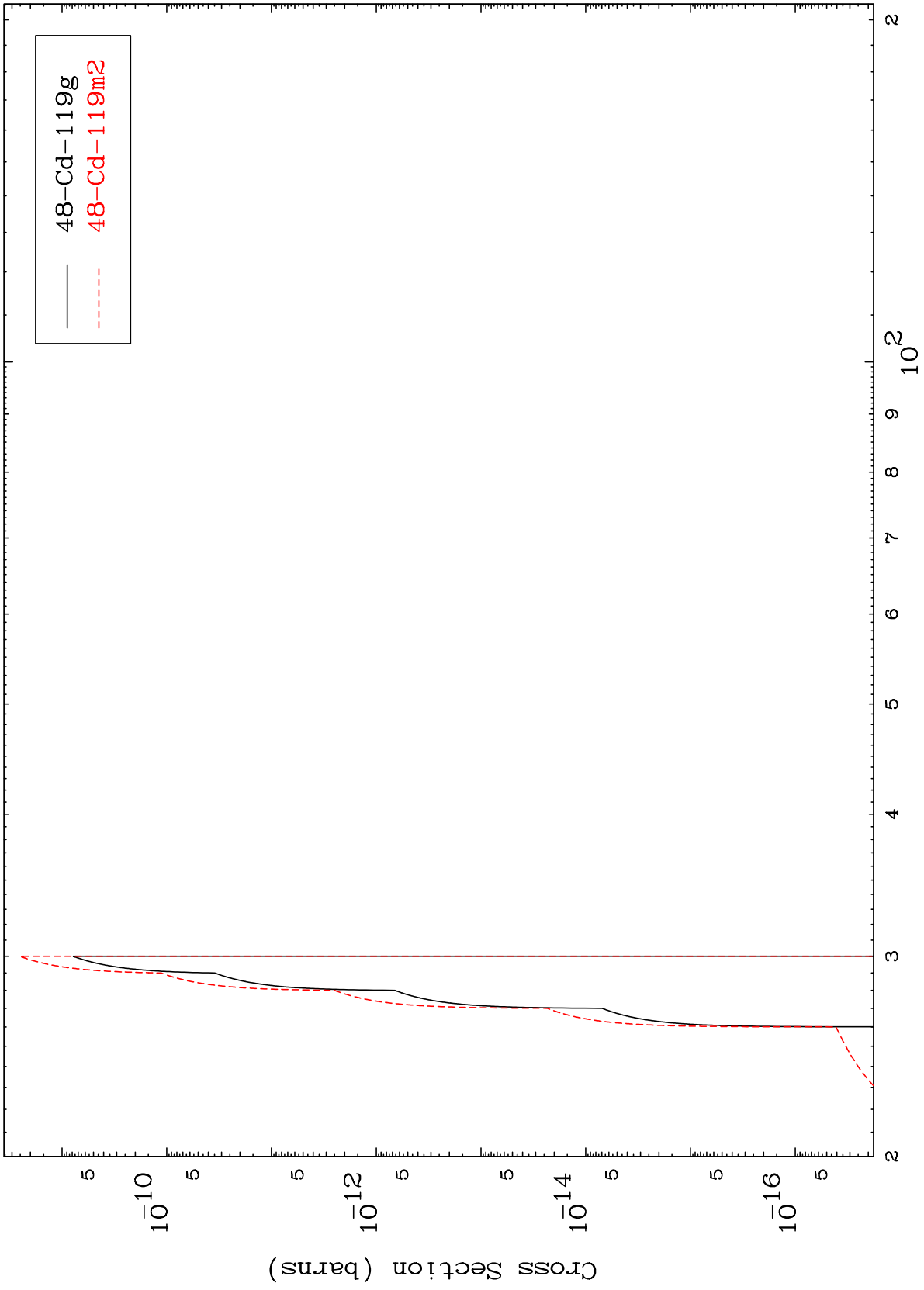
50-Sn-125

MAT 5064

(n,3n) α

50-Sn-125

Radionuclide Production Cross Section



83

Incident Energy (MeV)

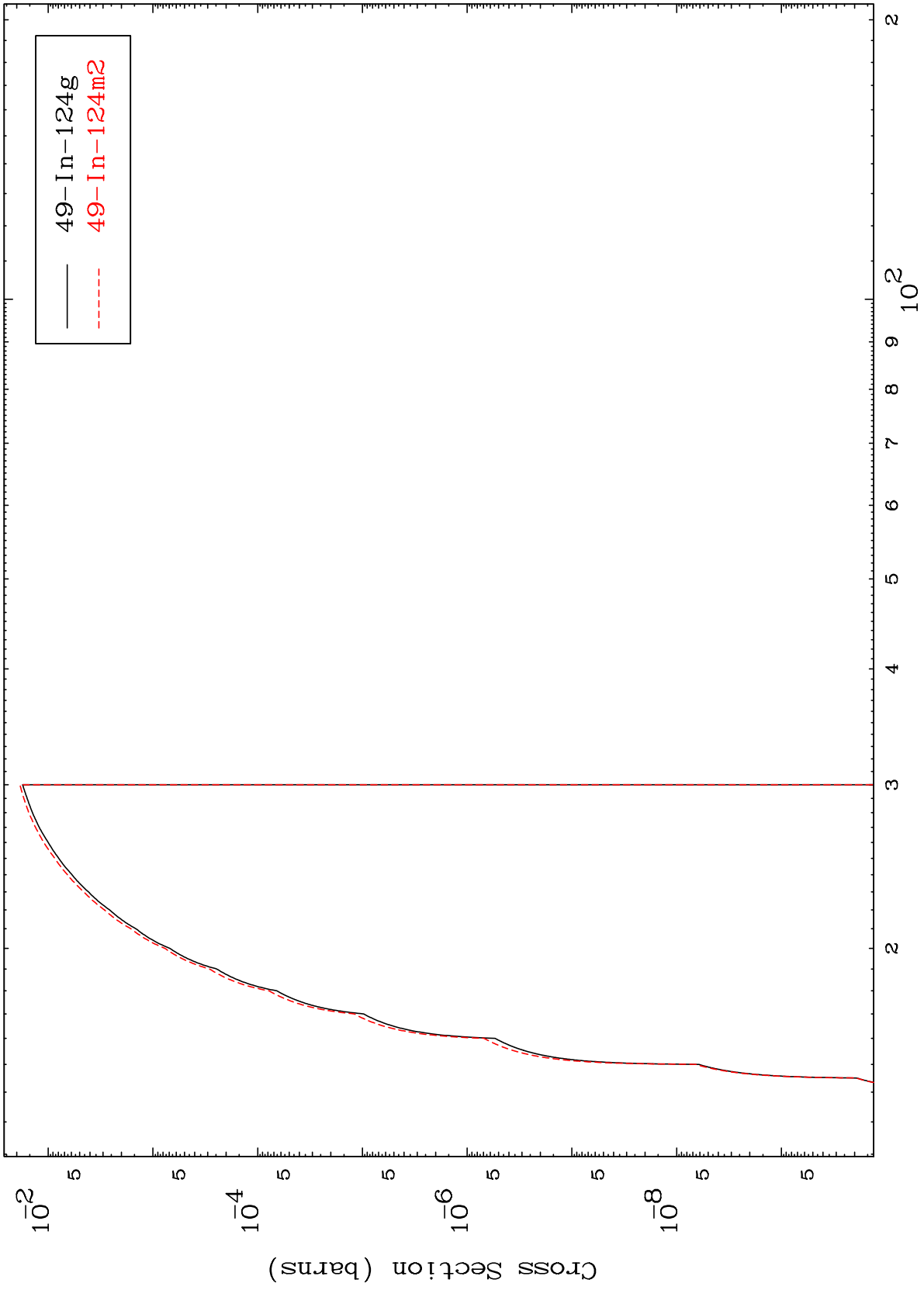
50-Sn-125

MAT 5064

(n,n') p

50-Sn-125

Radionuclide Production Cross Section



84

Incident Energy (MeV)

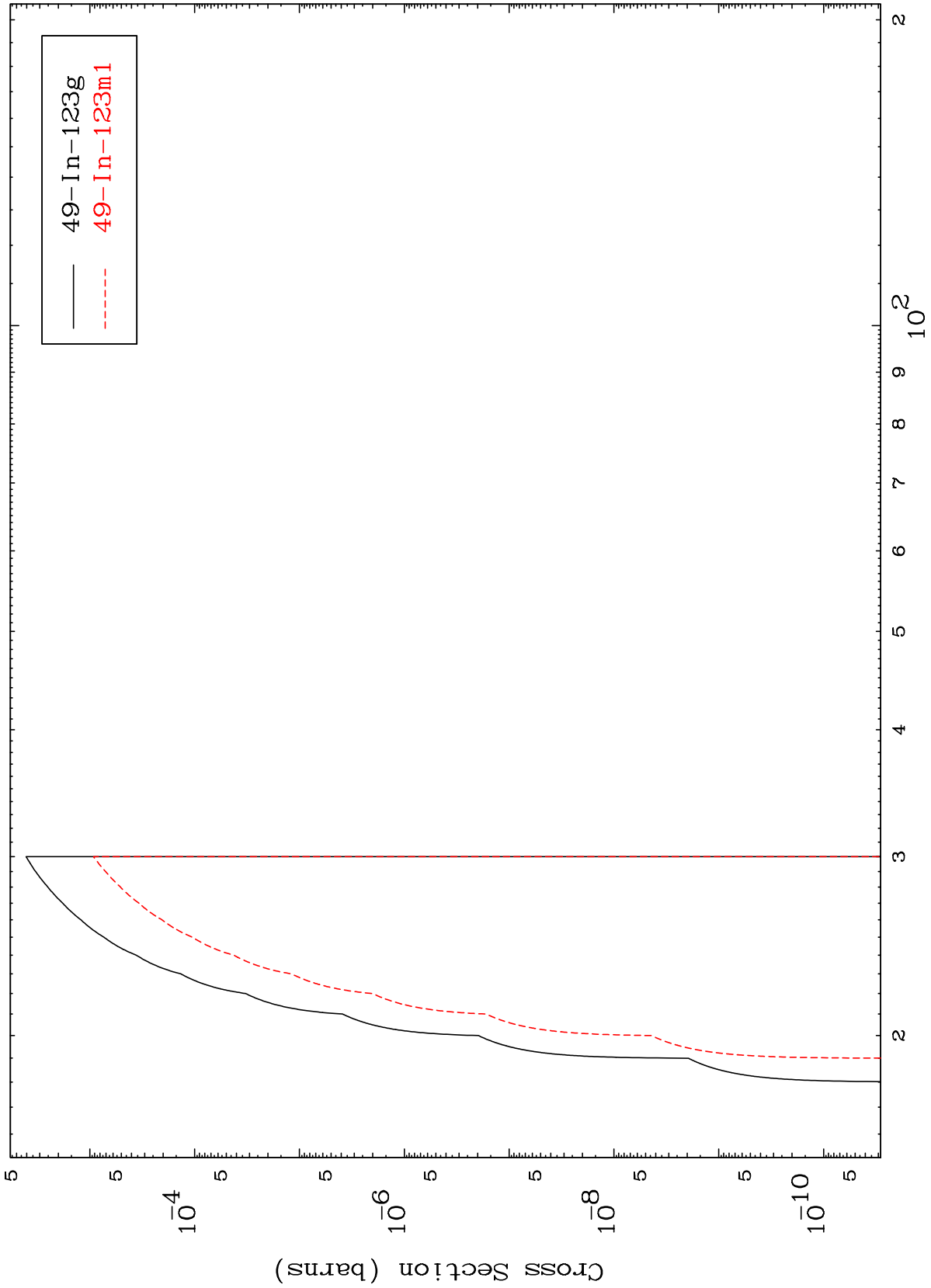
50-Sn-125

MAT 5064

(n,n') d

50-Sn-125

Radionuclide Production Cross Section

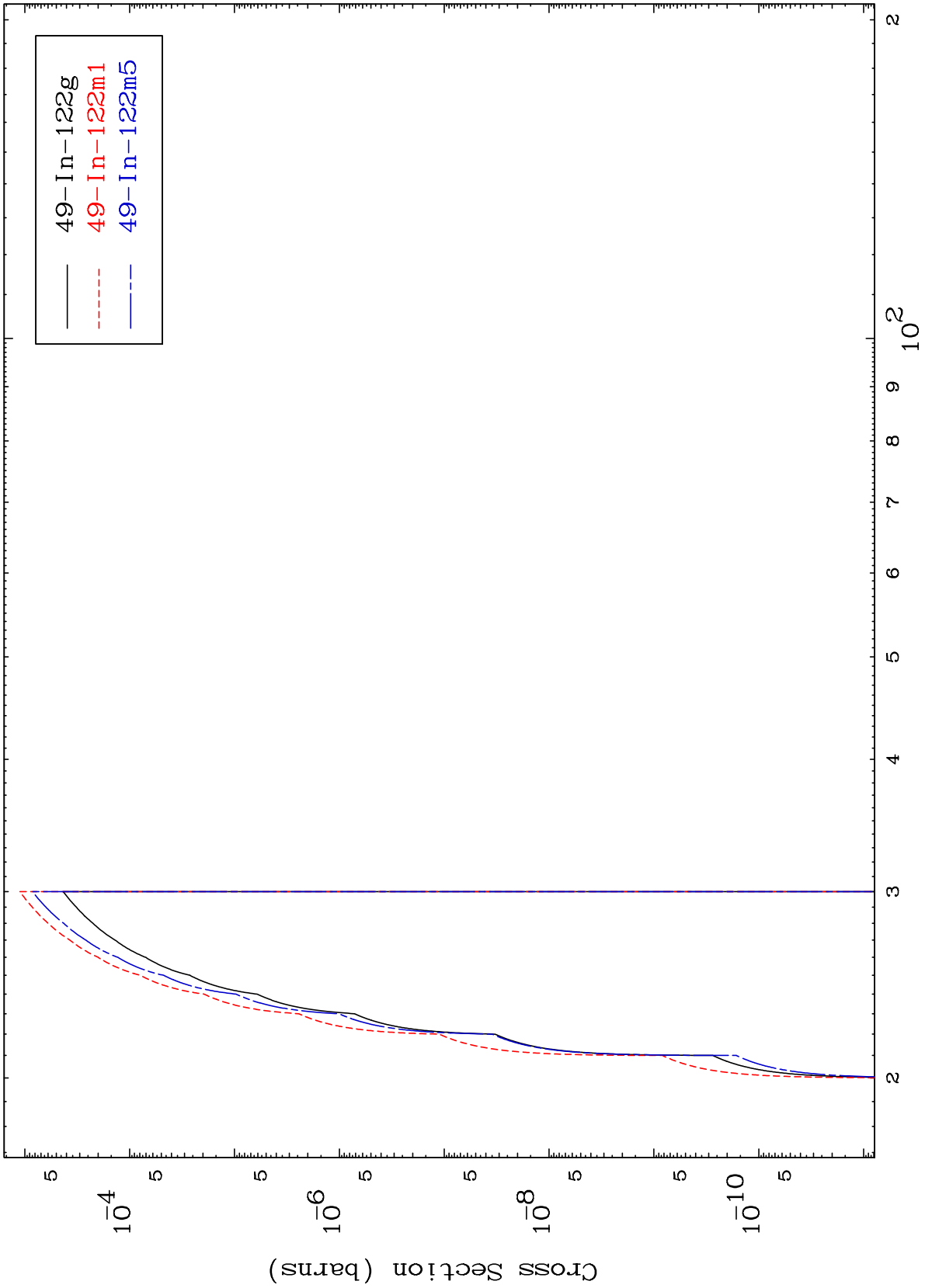


85

Incident Energy (MeV)

50-Sn-125

Radionuclide Production Cross Section

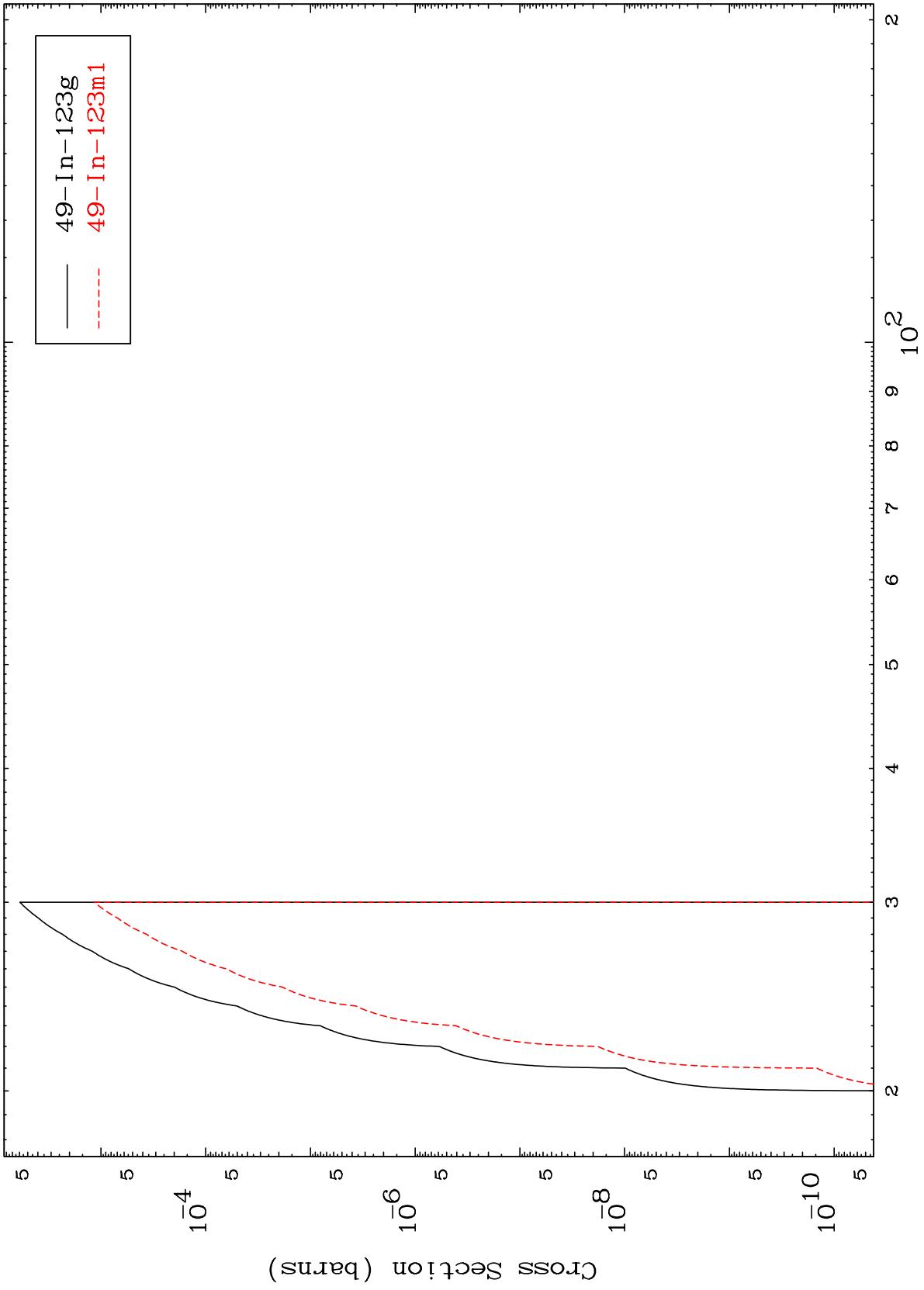


MAT 5064

(n,2n) p

50-Sn-125

Radionuclide Production Cross Section



87

Incident Energy (MeV)

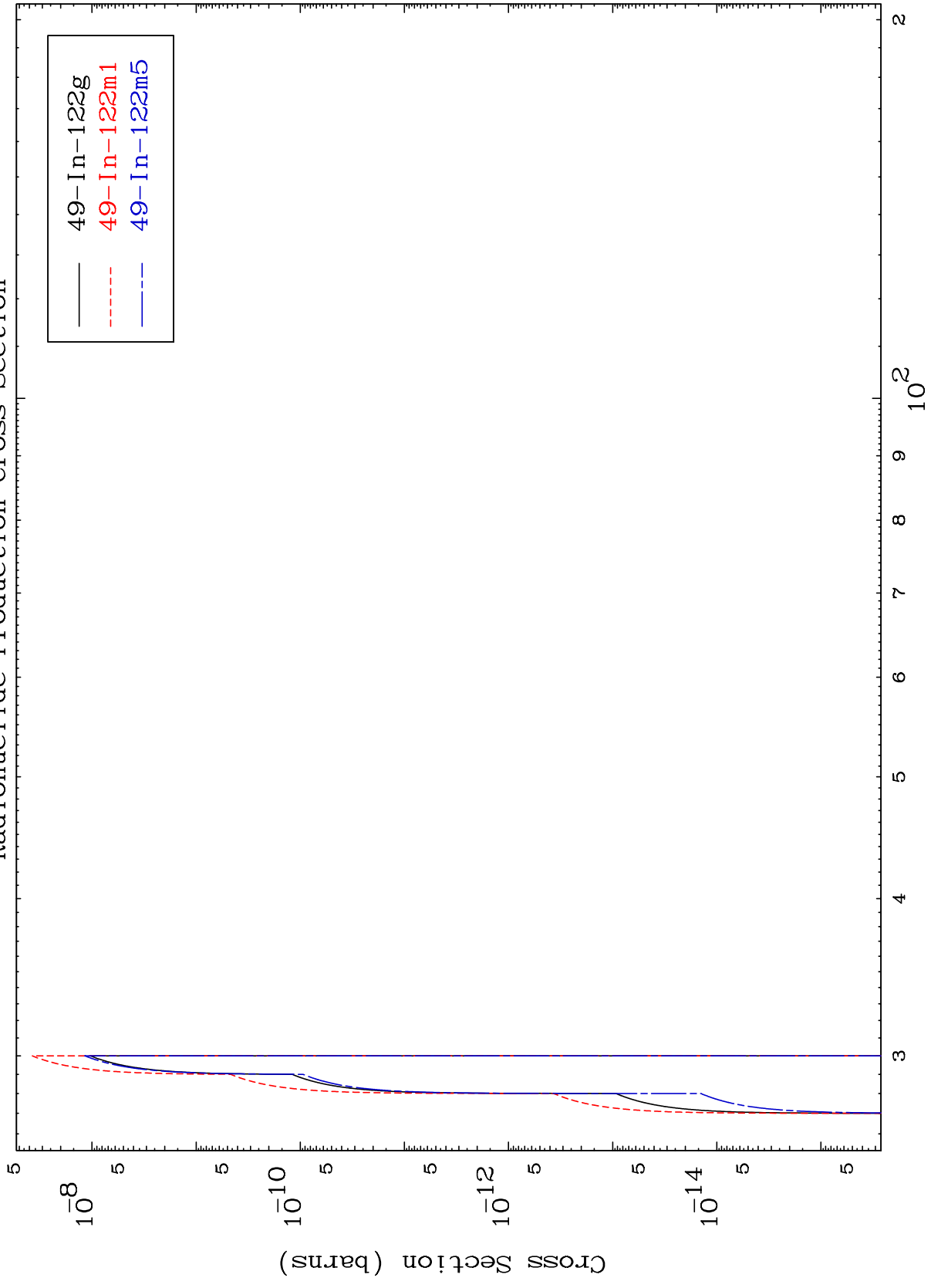
50-Sn-125

MAT 5064

(n,3n) p

50-Sn-125

Radionuclide Production Cross Section



88

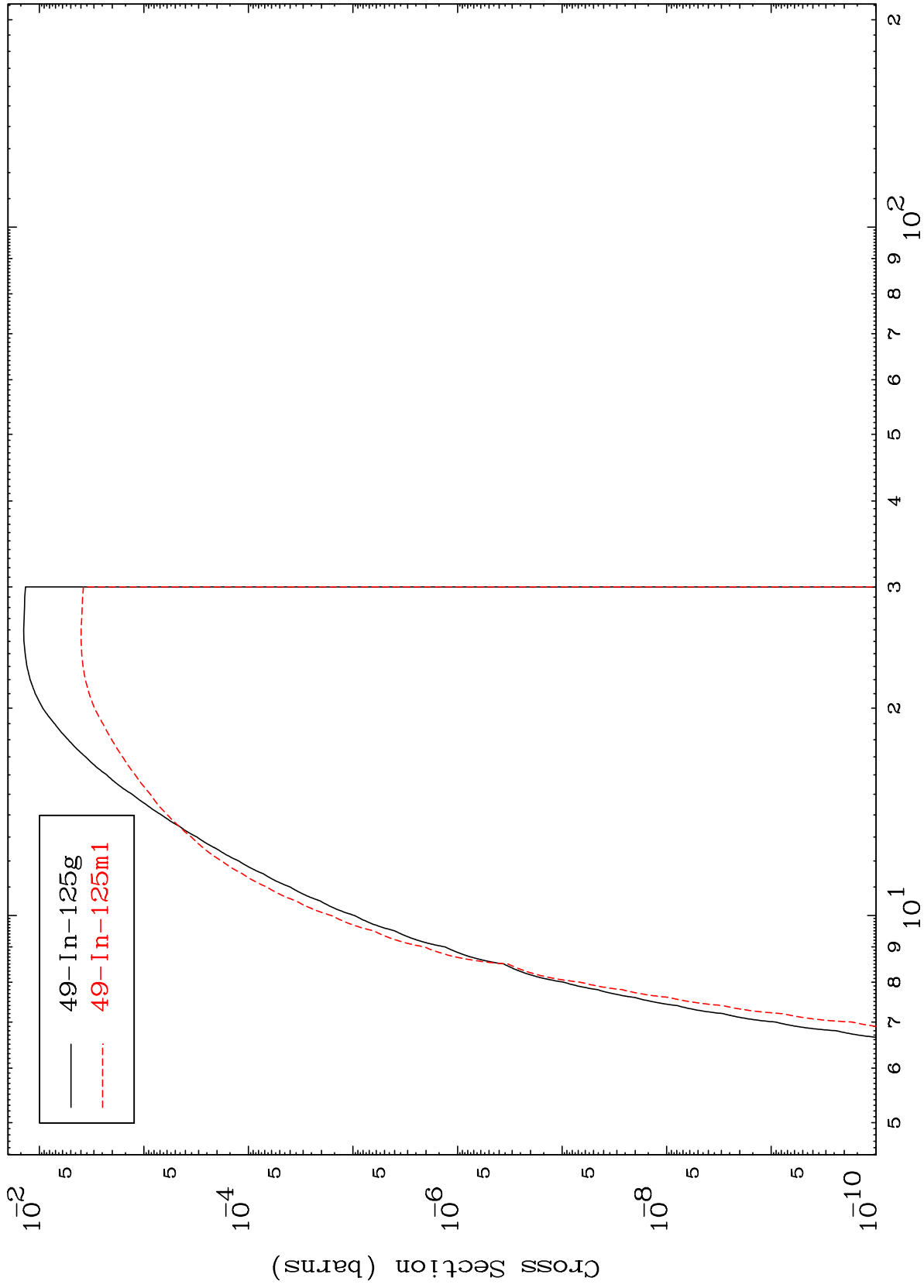
Incident Energy (MeV)

50-Sn-125

MAT 5064

50-Sn-125

(n,p)
Radionuclide Production Cross Section



89

Incident Energy (MeV)

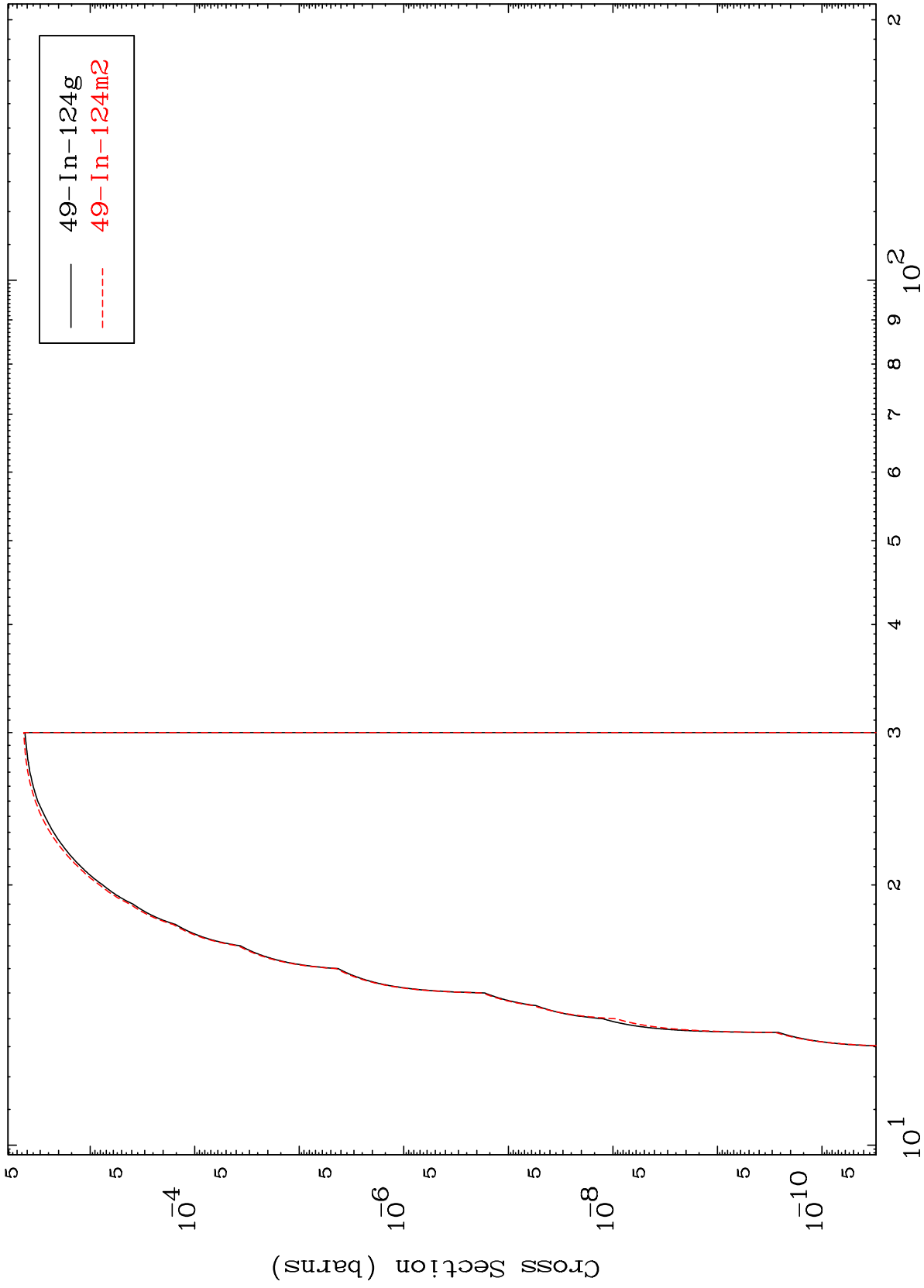
50-Sn-125

MAT 5064

(n,d)

50-Sn-125

Radionuclide Production Cross Section



90

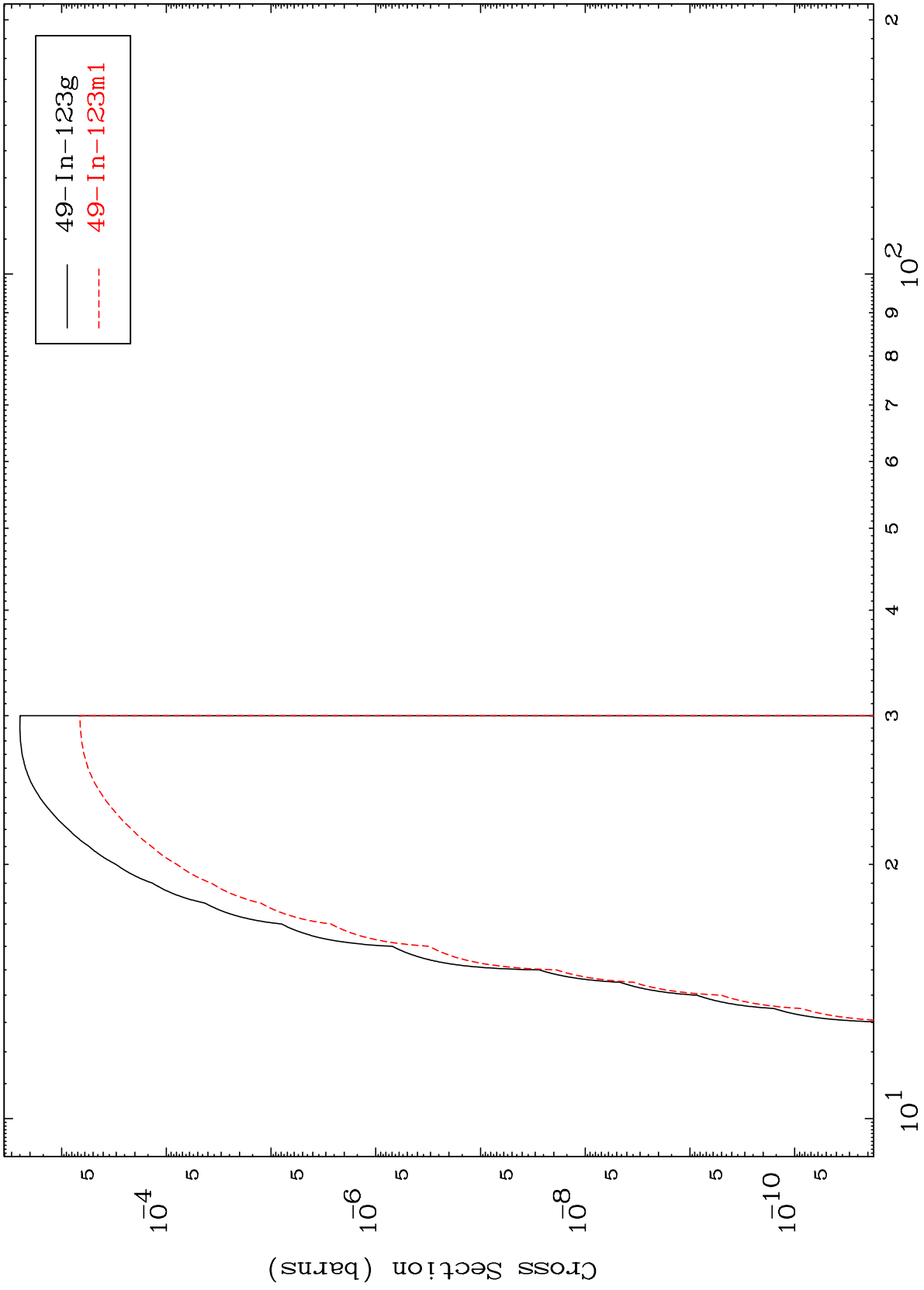
Incident Energy (MeV)

50-Sn-125

MAT 5064

50-Sn-125

(n, t)
Radionuclide Production Cross Section



91

Incident Energy (MeV)

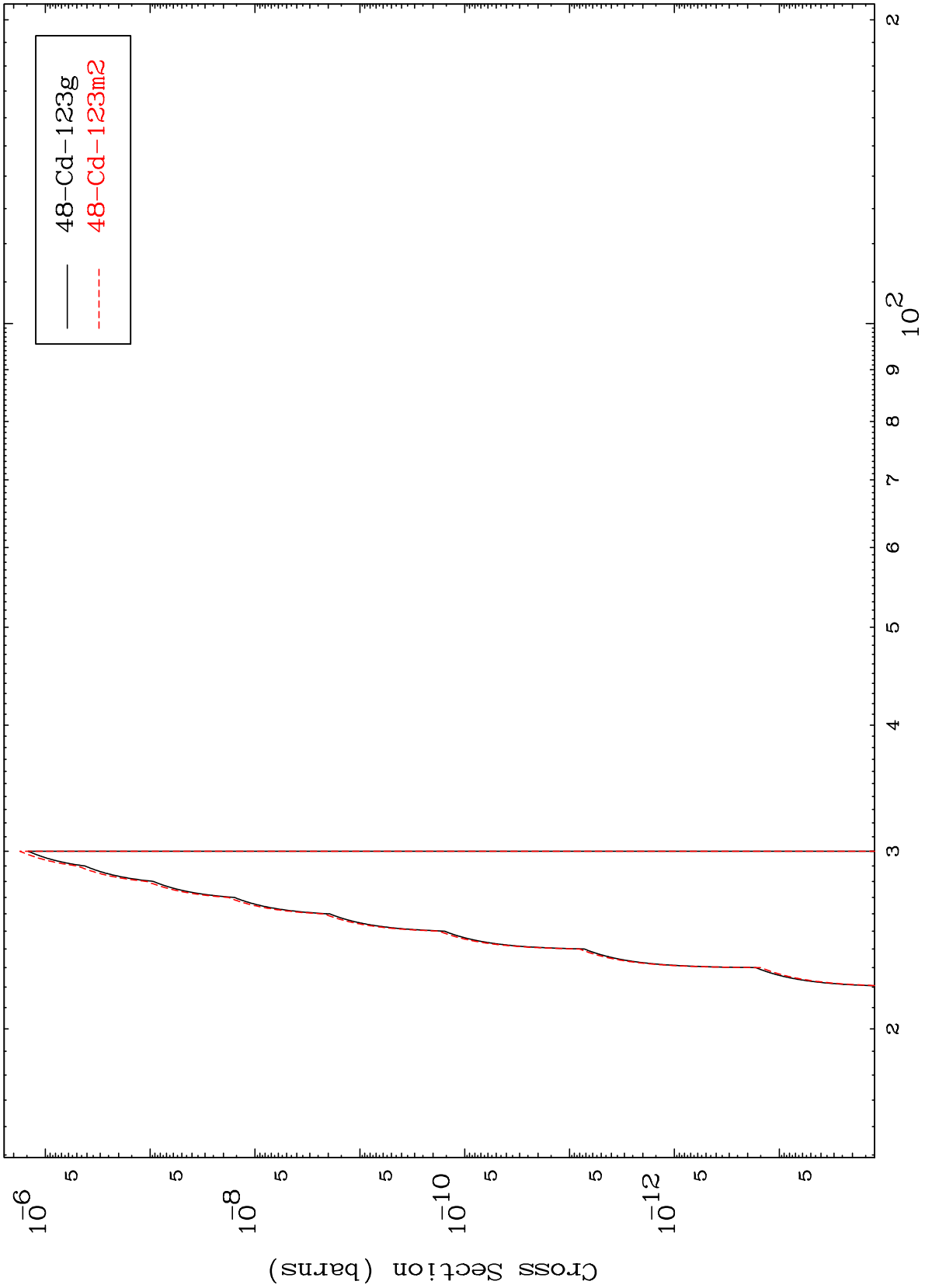
50-Sn-125

MAT 5064

(n, He-3)

50-Sn-125

Radionuclide Production Cross Section



92

Incident Energy (MeV)

50-Sn-125