

Program EVALPLOT
(Version 2021-1)

by

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(Present Contact Information)

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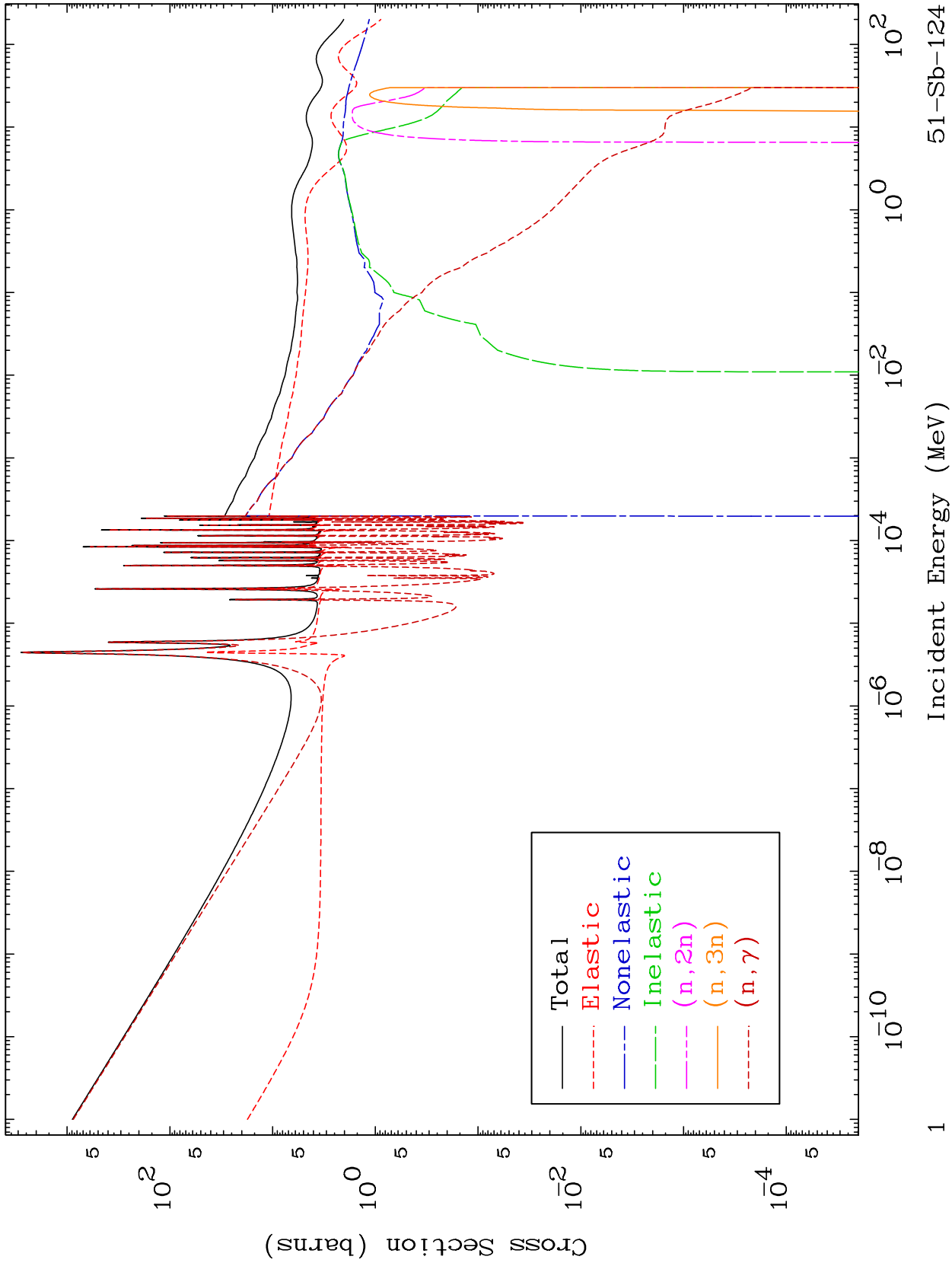
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5134

Neutron Major
293 Kelvin Cross Sections

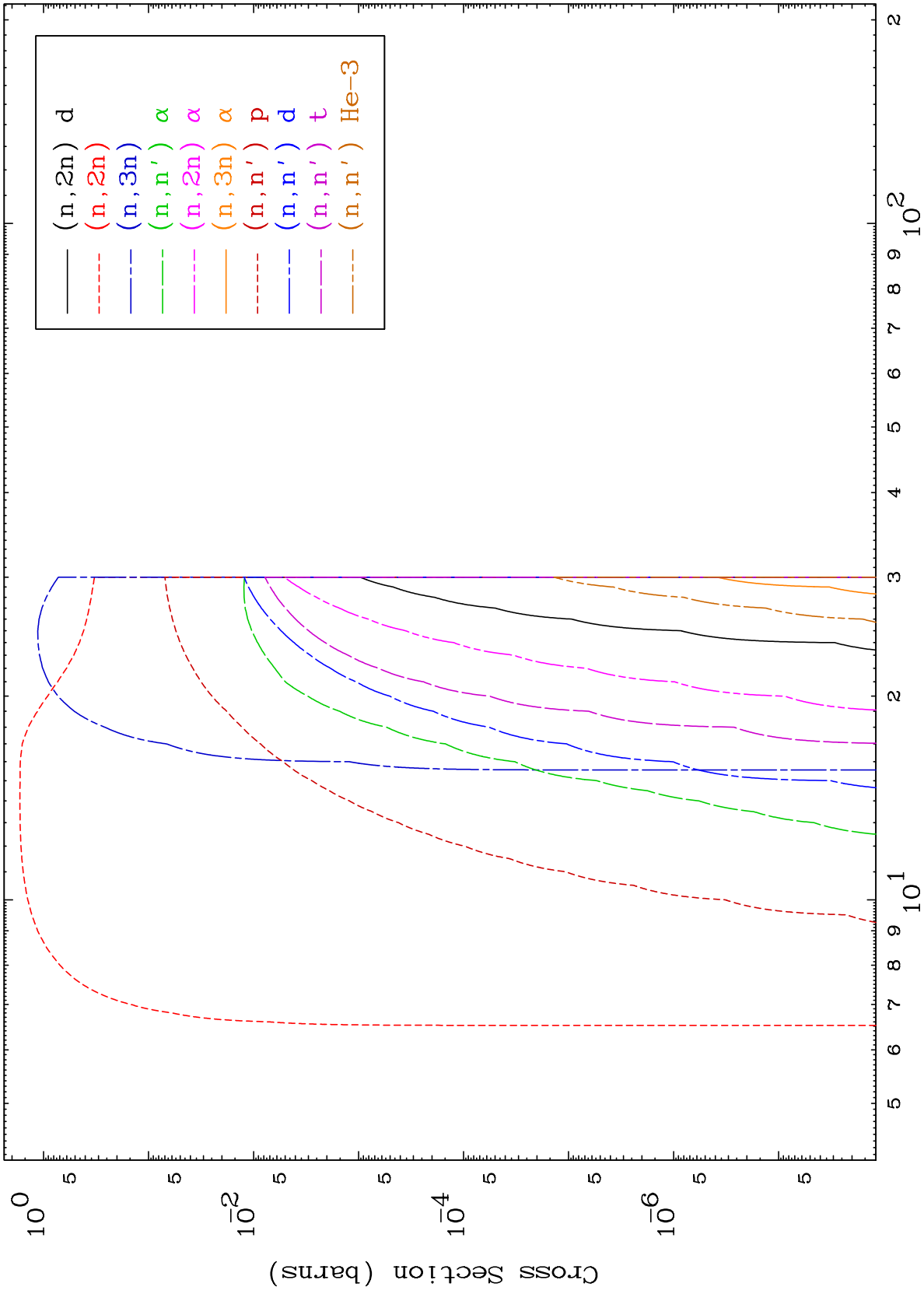
51-Sb-124



MAT 5134

Neutron Absorption
293 Kelvin Cross Sections

51-Sb-124



2

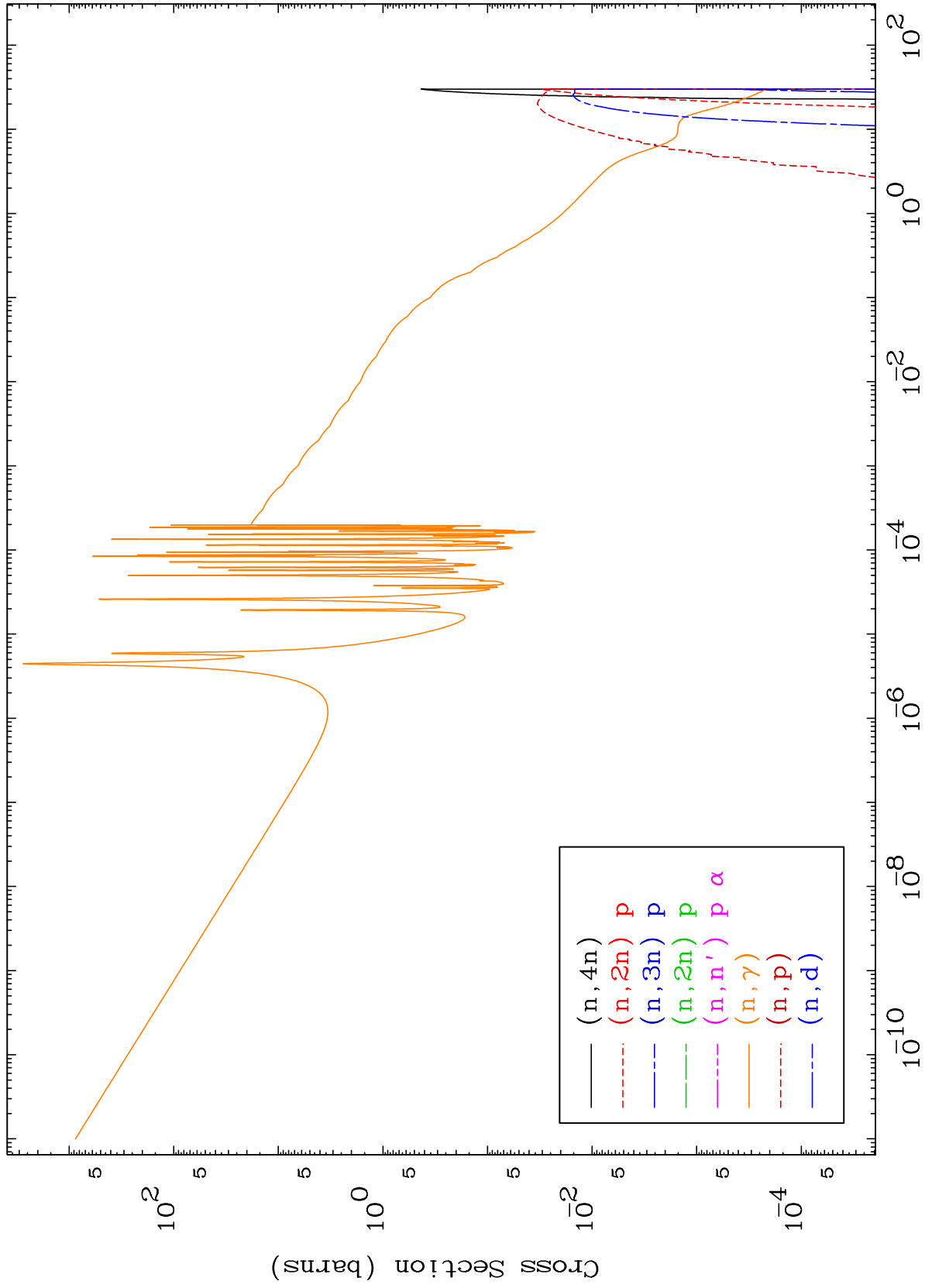
Incident Energy (MeV)

51-Sb-124

MAT 5134

Neutron Absorption
293 Kelvin Cross Sections

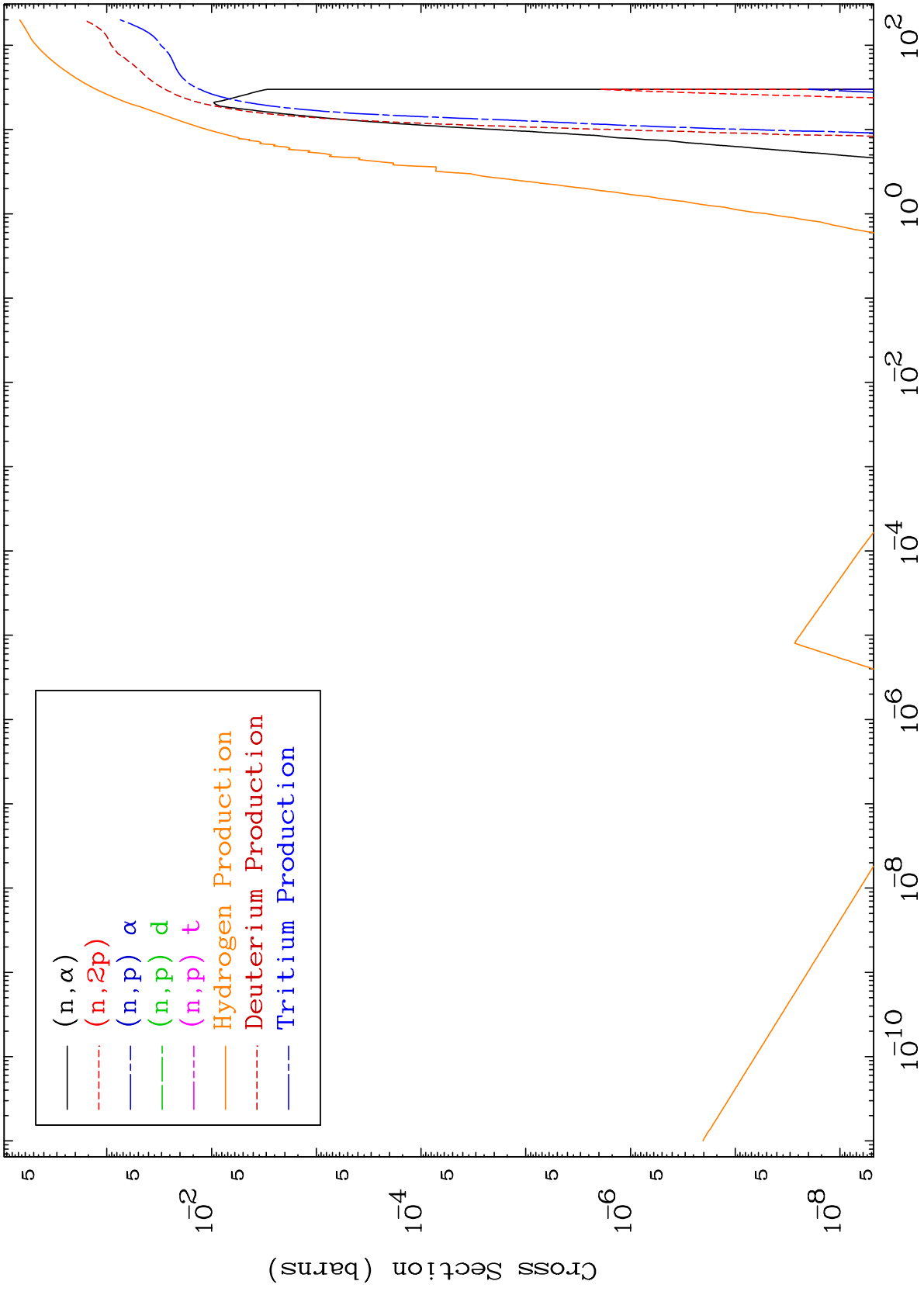
51-Sb-124



MAT 5134

Neutron Absorption
293 Kelvin Cross Sections

51-Sb-124



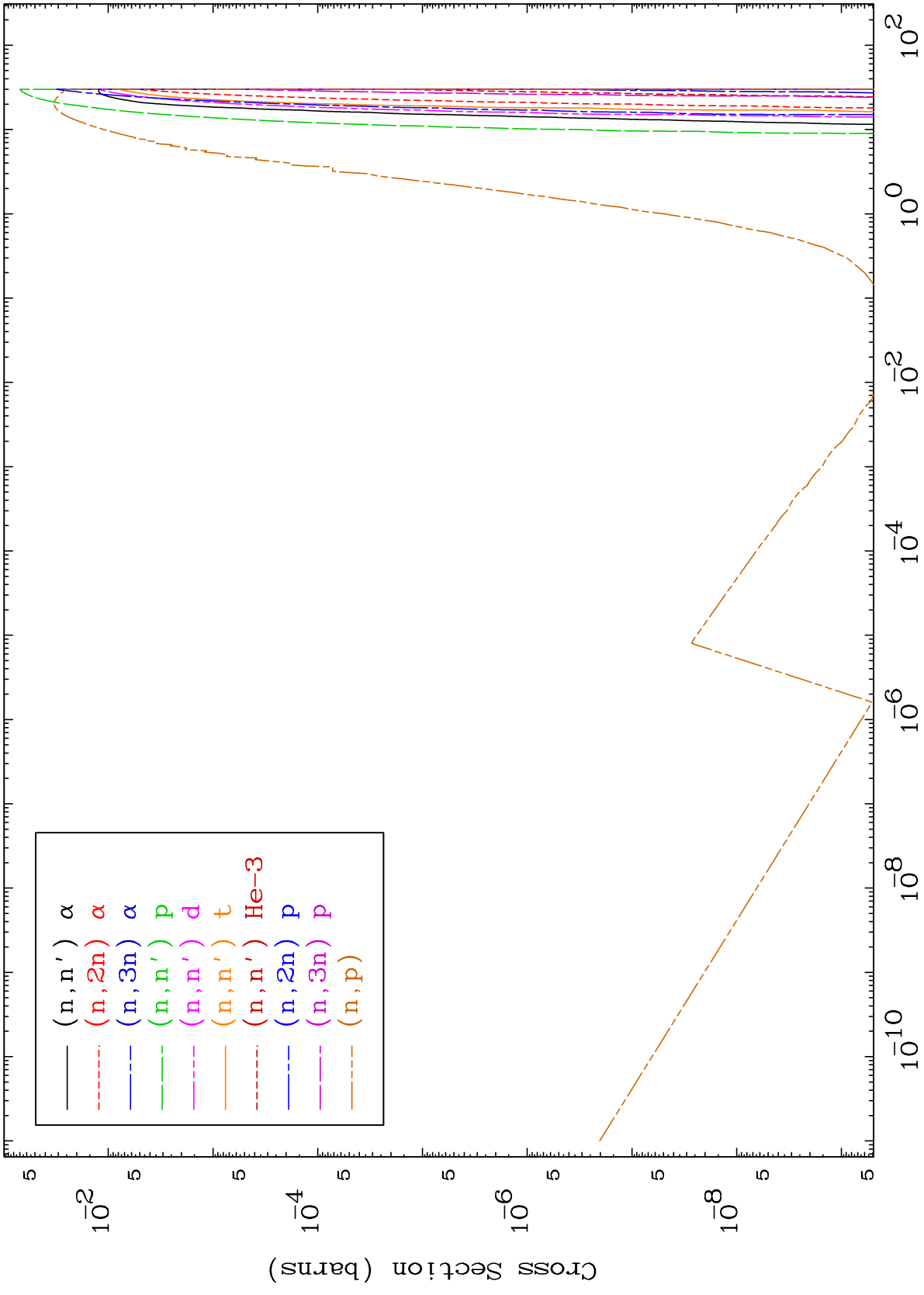
51-Sb-124

Incident Energy (MeV)

MAT 5134

293 Kelvin Cross Sections

51-Sb-124



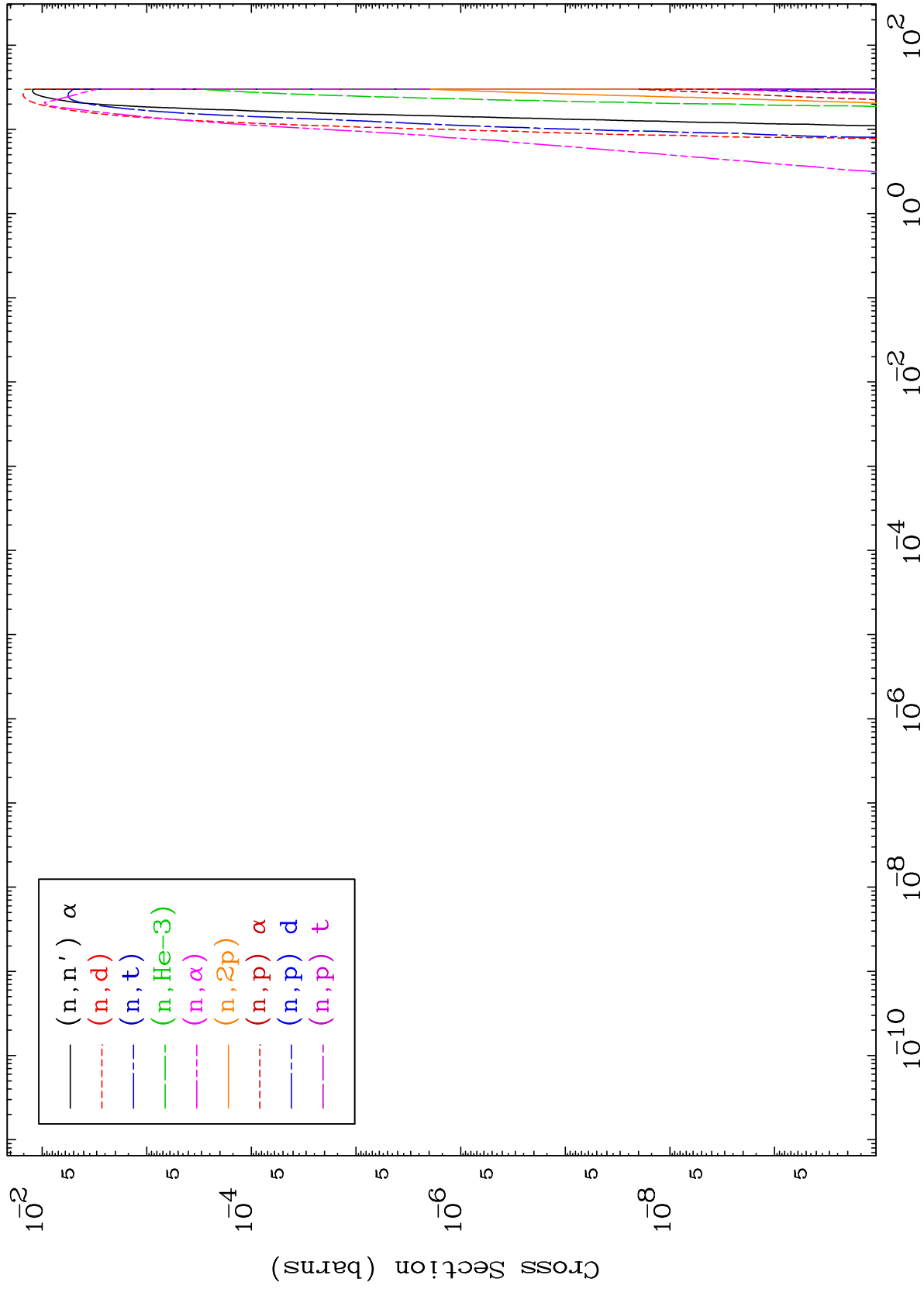
5

51-Sb-124

MAT 5134

293 Kelvin Cross Sections

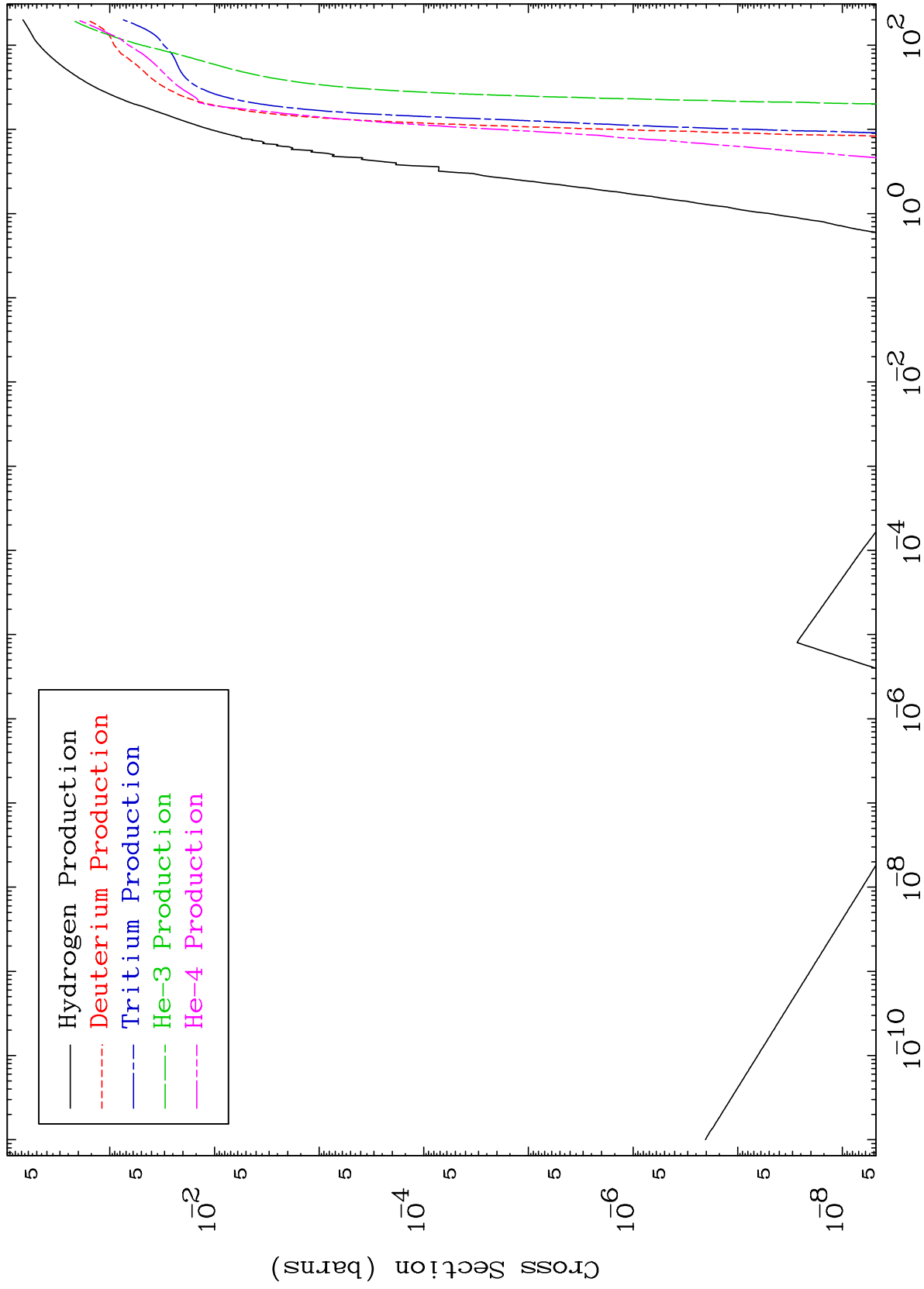
51-Sb-124



MAT 5134

Particle Production
293 Kelvin Cross Sections

51-Sb-124



7

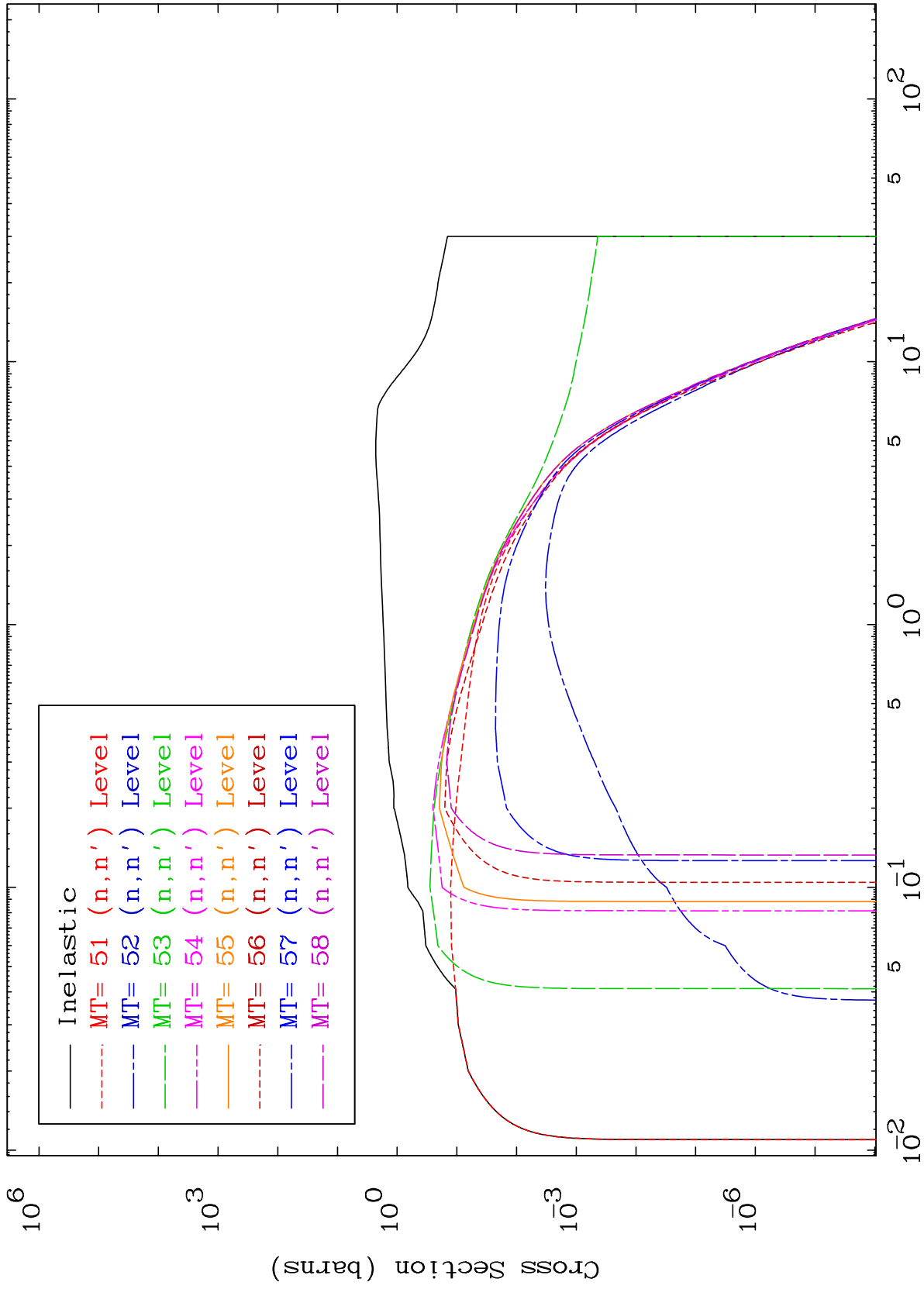
Incident Energy (MeV)

51-Sb-124

MAT 5134

(n,n') Levels
293 Kelvin Cross Sections

51-Sb-124



8

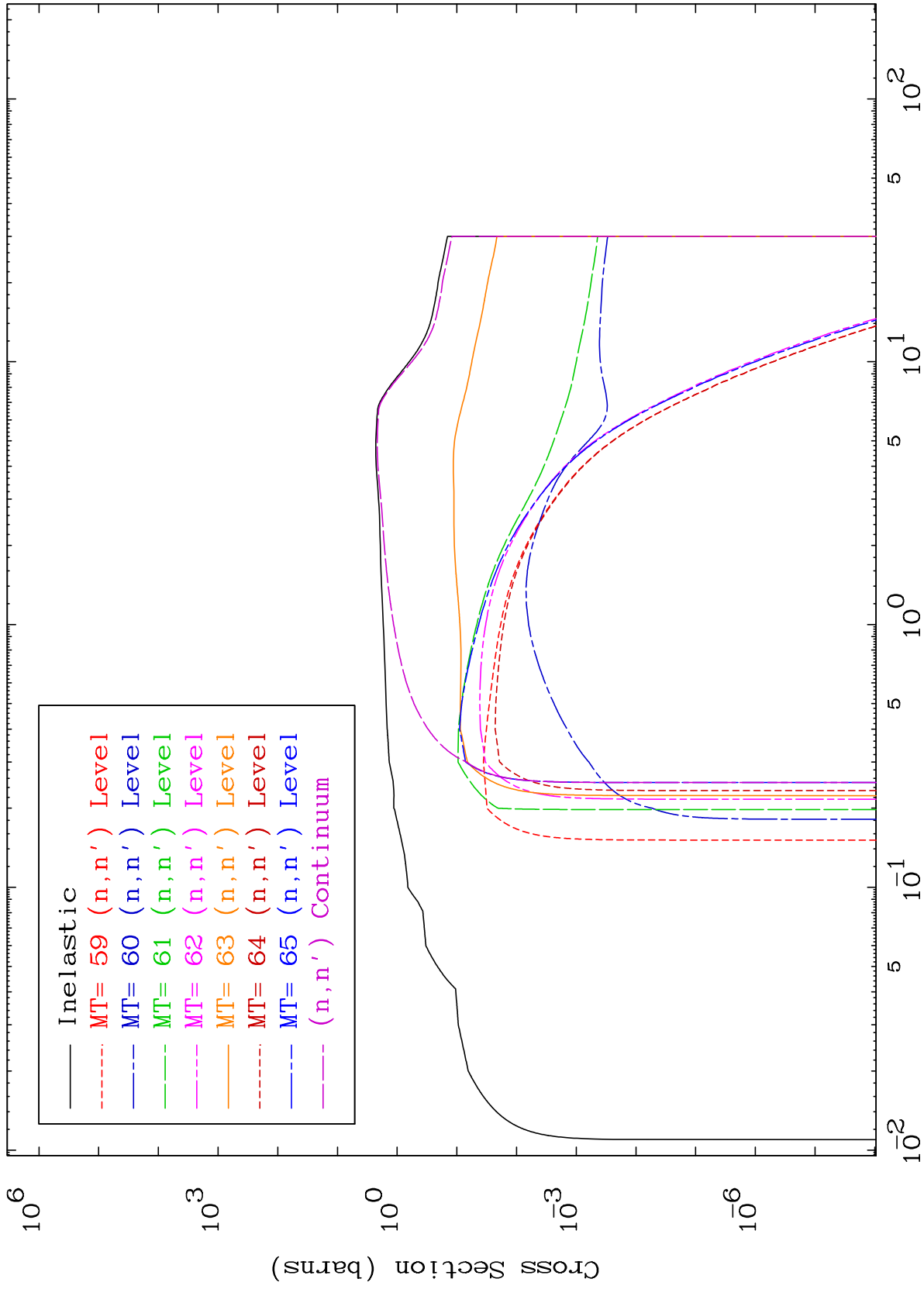
Incident Energy (MeV)

51-Sb-124

MAT 5134

(n,n') Levels
293 Kelvin Cross Sections

51-Sb-124



9

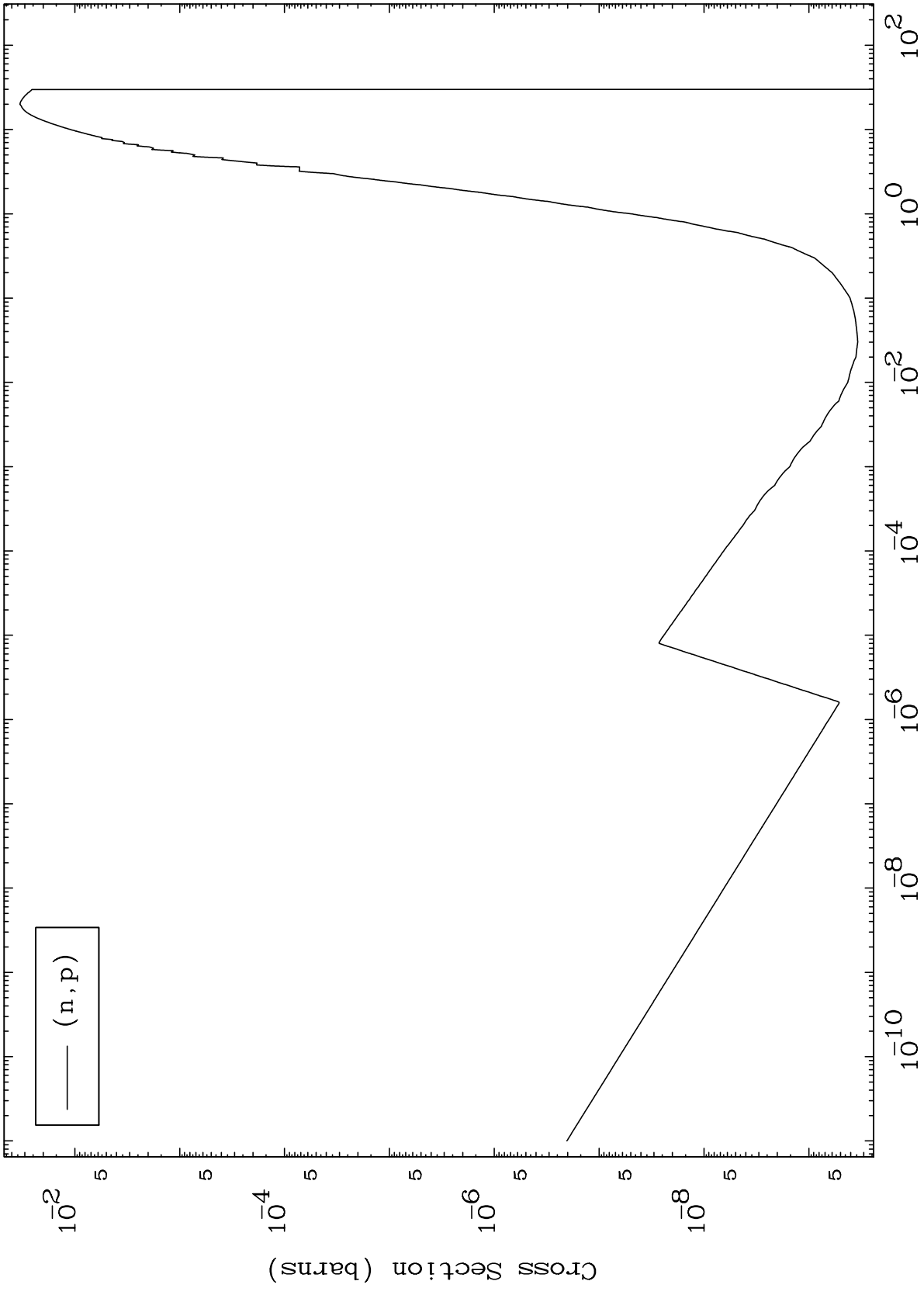
Incident Energy (MeV)

51-Sb-124

MAT 5134

(n,p) Levels
293 Kelvin Cross Sections

51-Sb-124



10

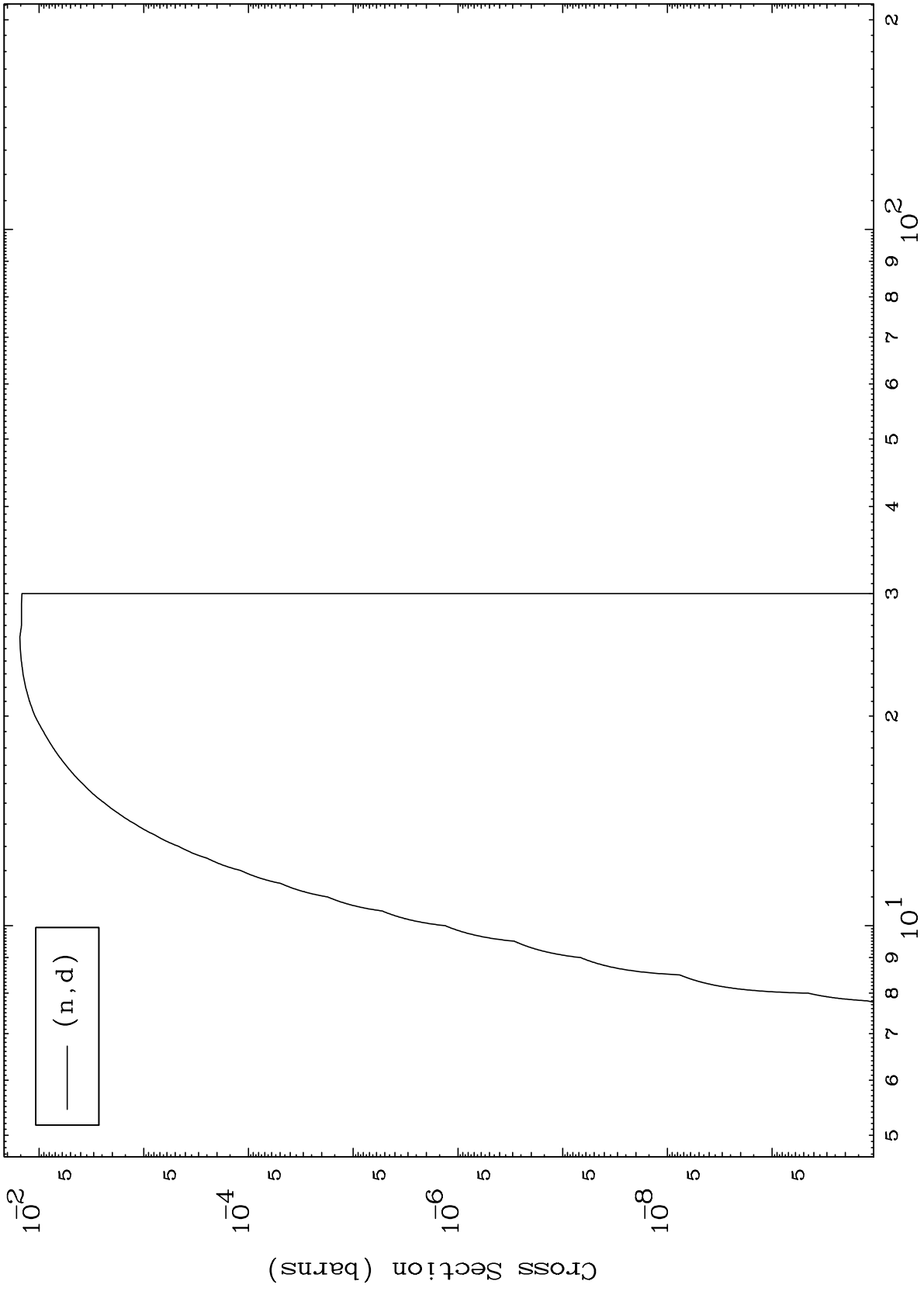
Incident Energy (MeV)

51-Sb-124

MAT 5134

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-124



11

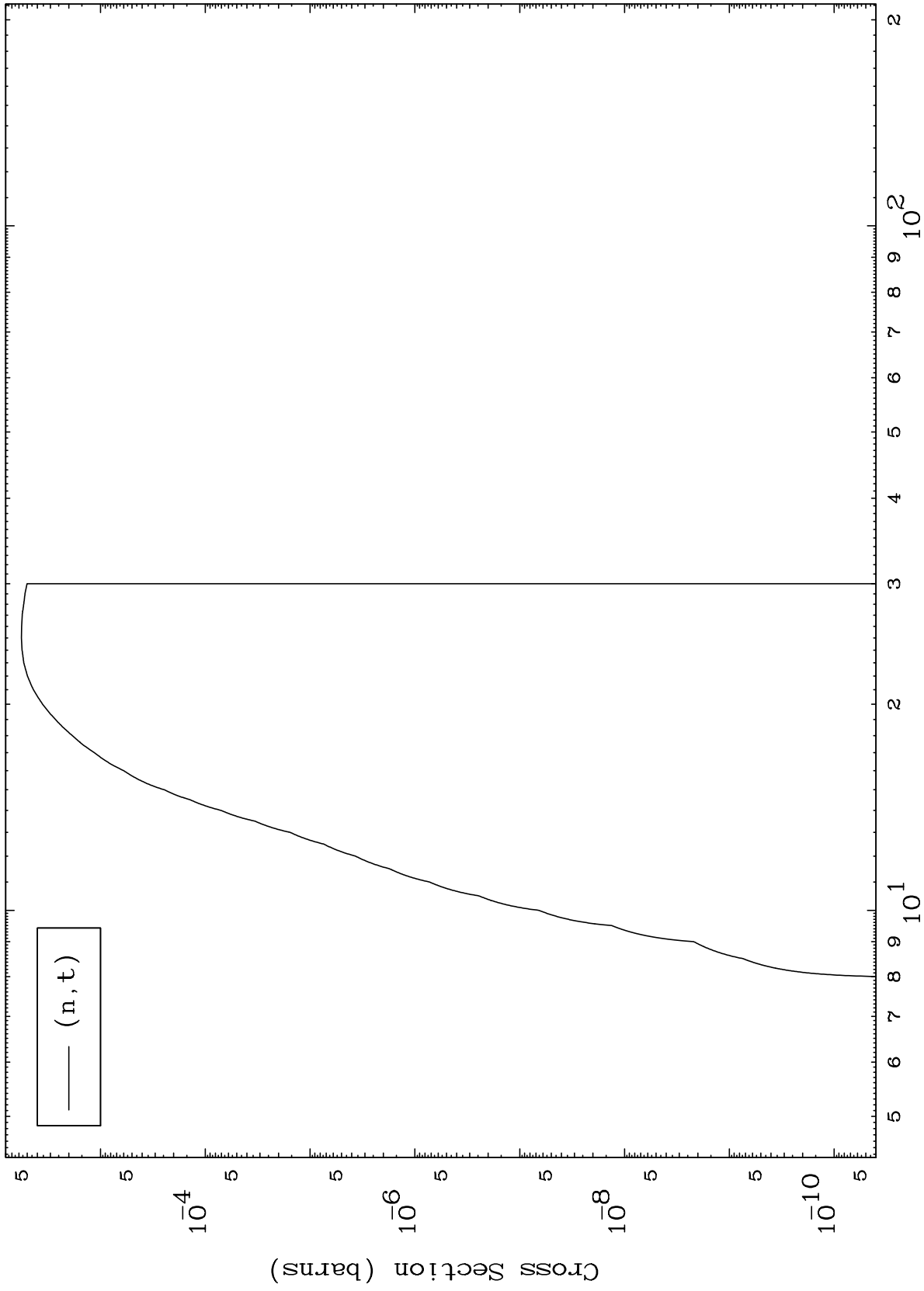
Incident Energy (MeV)

51-Sb-124

MAT 5134

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-124



12

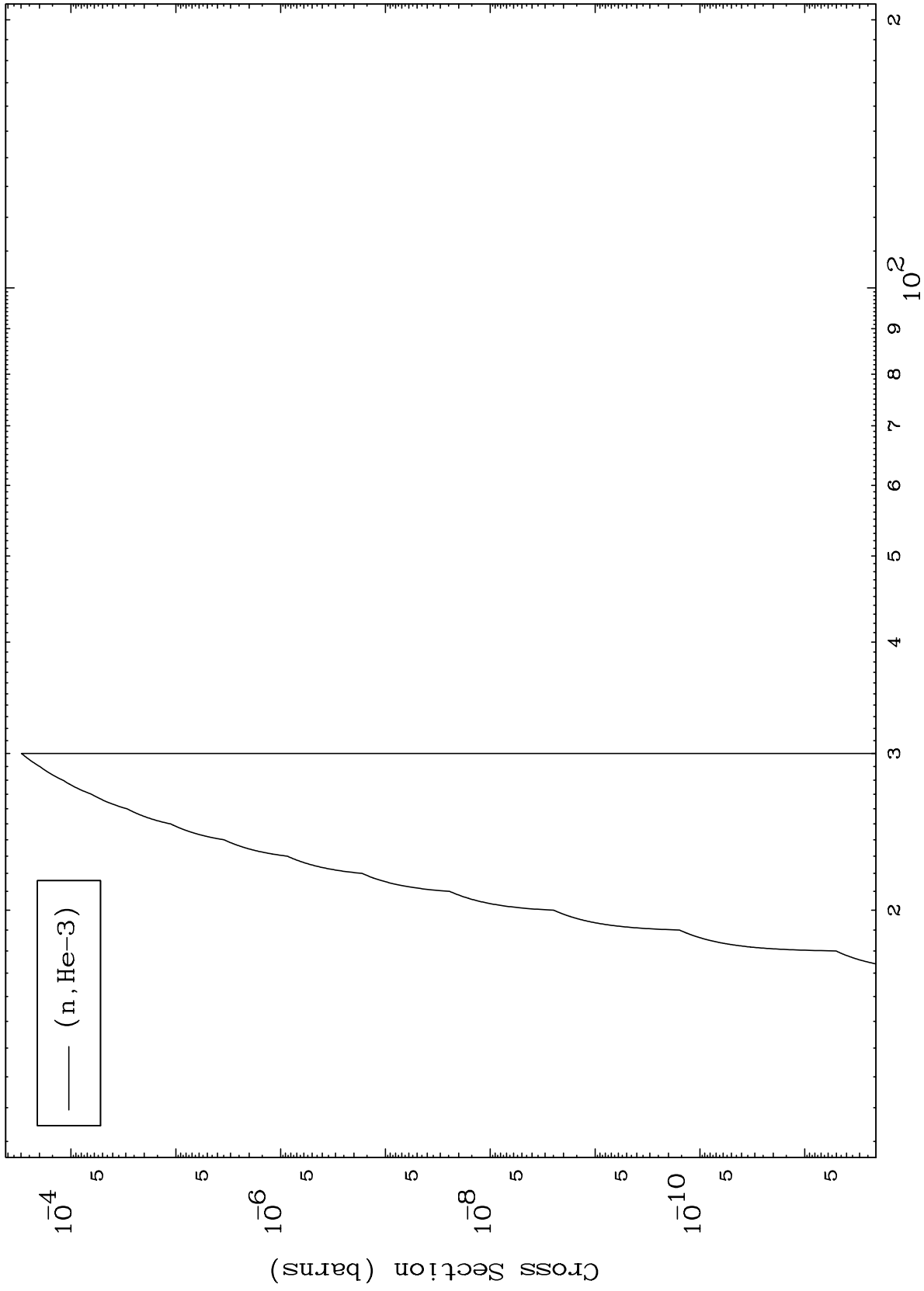
Incident Energy (MeV)

51-Sb-124

MAT 5134

(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-124



13

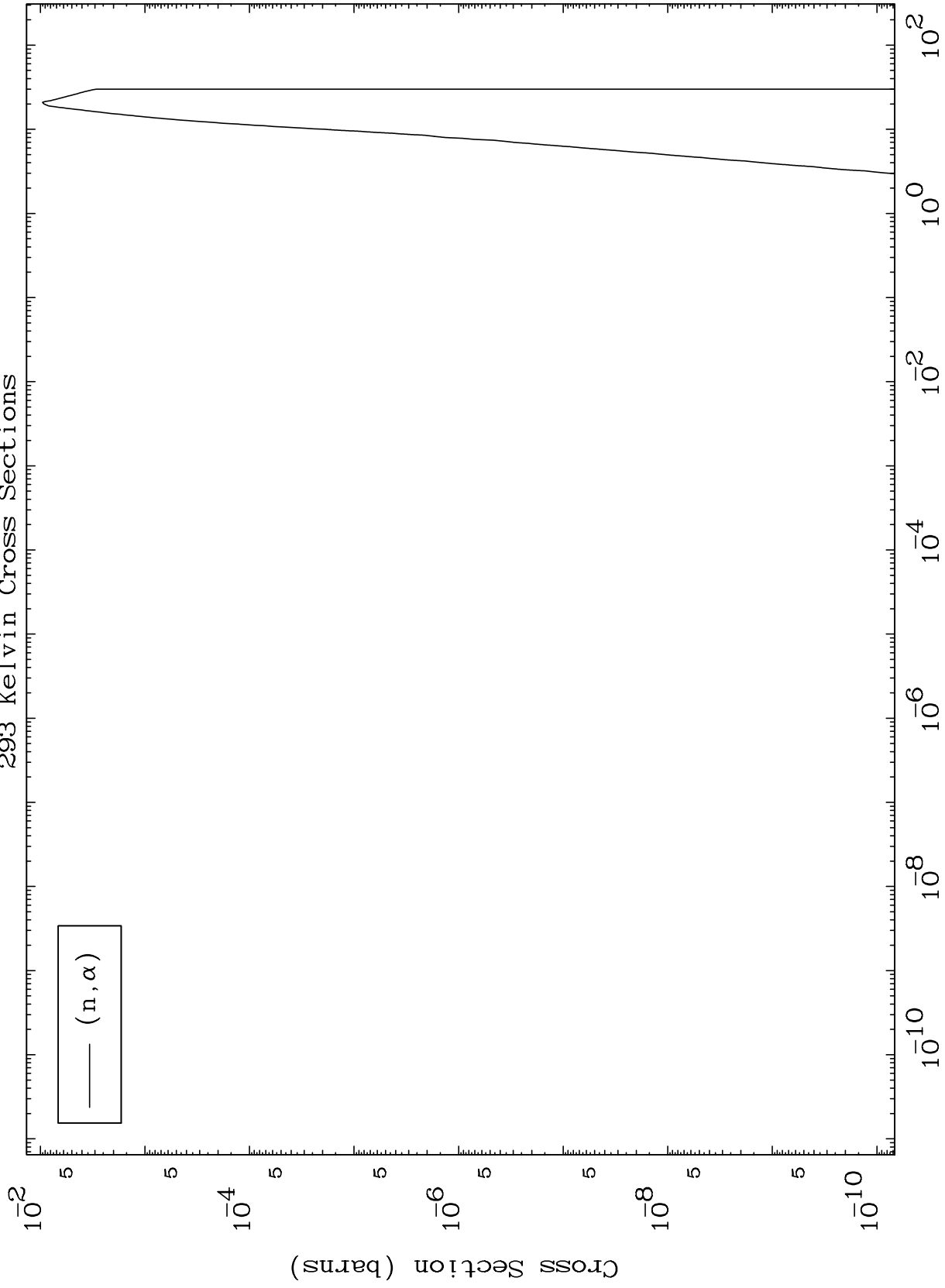
Incident Energy (MeV)

51-Sb-124

MAT 5134

(n,α) Levels
293 Kelvin Cross Sections

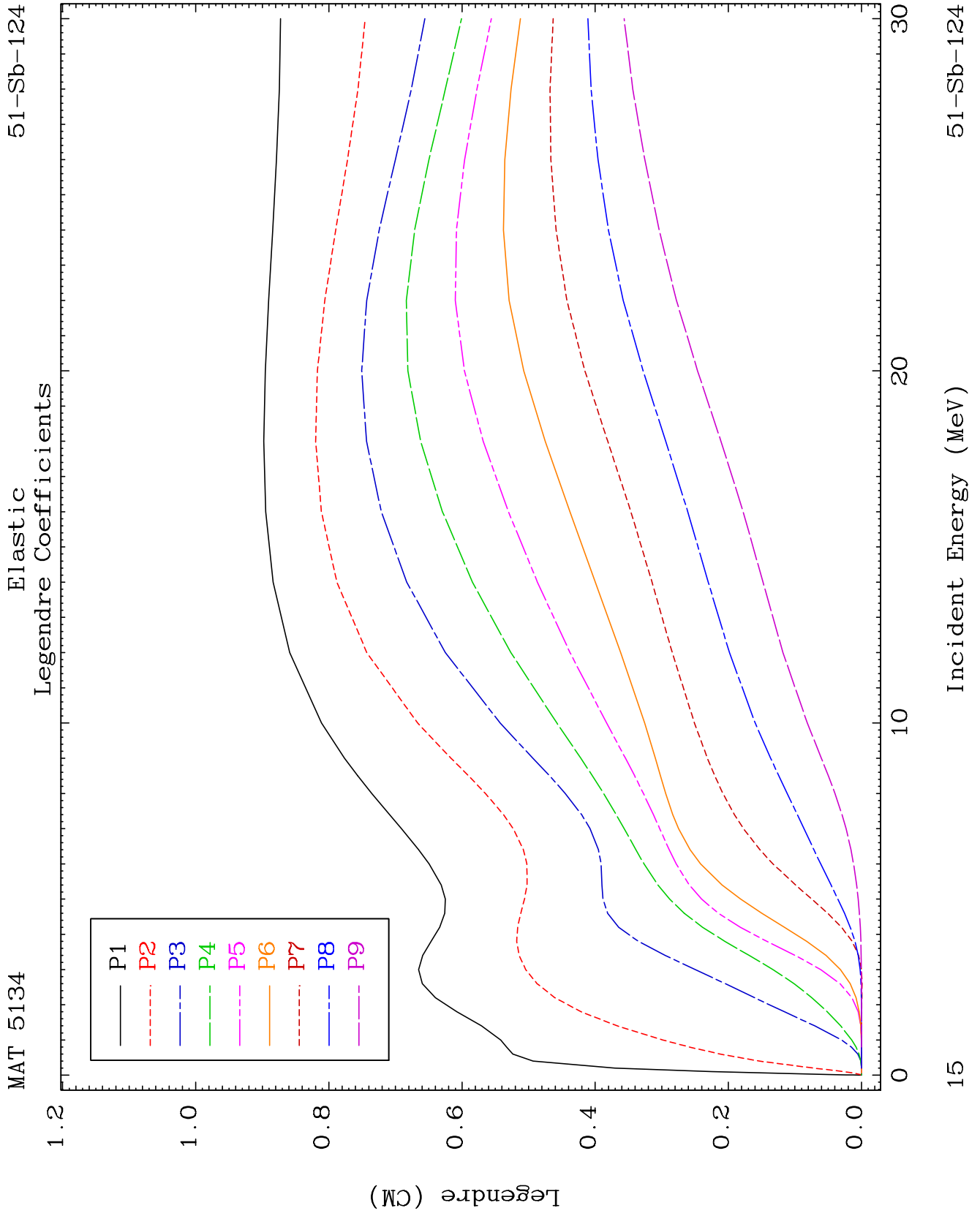
51-Sb-124



14

Incident Energy (MeV)

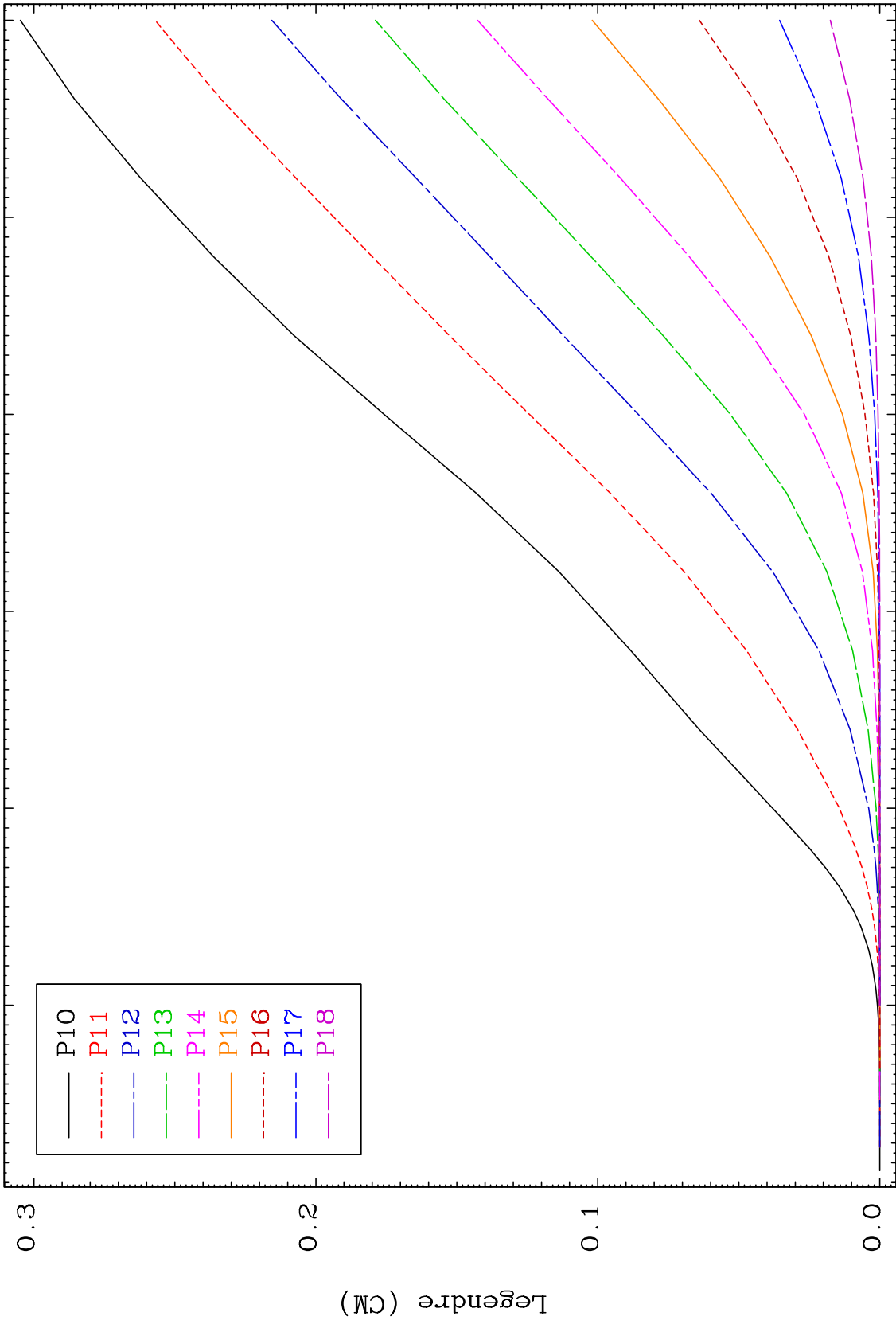
51-Sb-124



MAT 5134

Elastic Legendre Coefficients

51-Sb-124



16

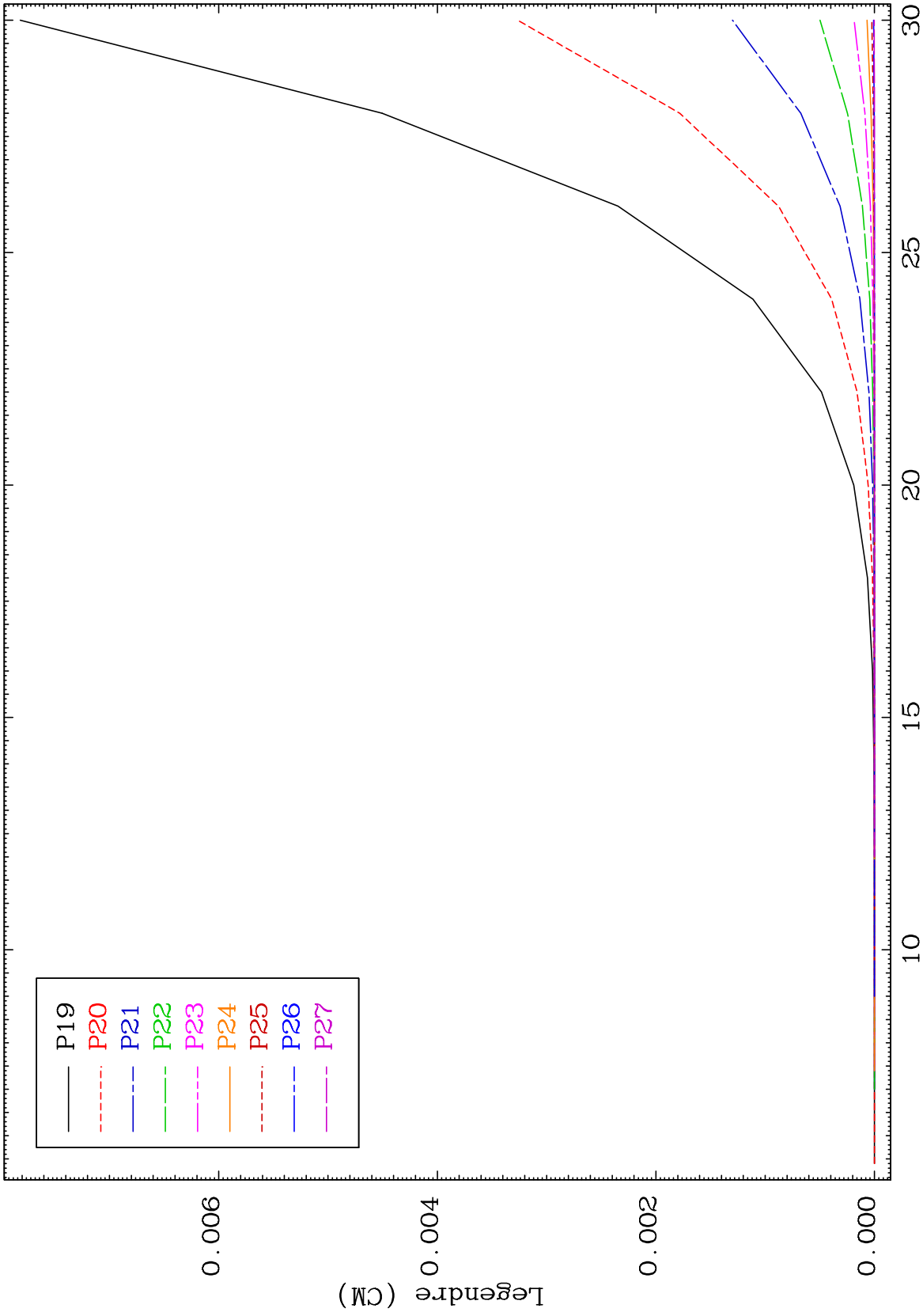
Incident Energy (MeV)

51-Sb-124

MAT 5134

Elastic Legendre Coefficients

51-Sb-124



17

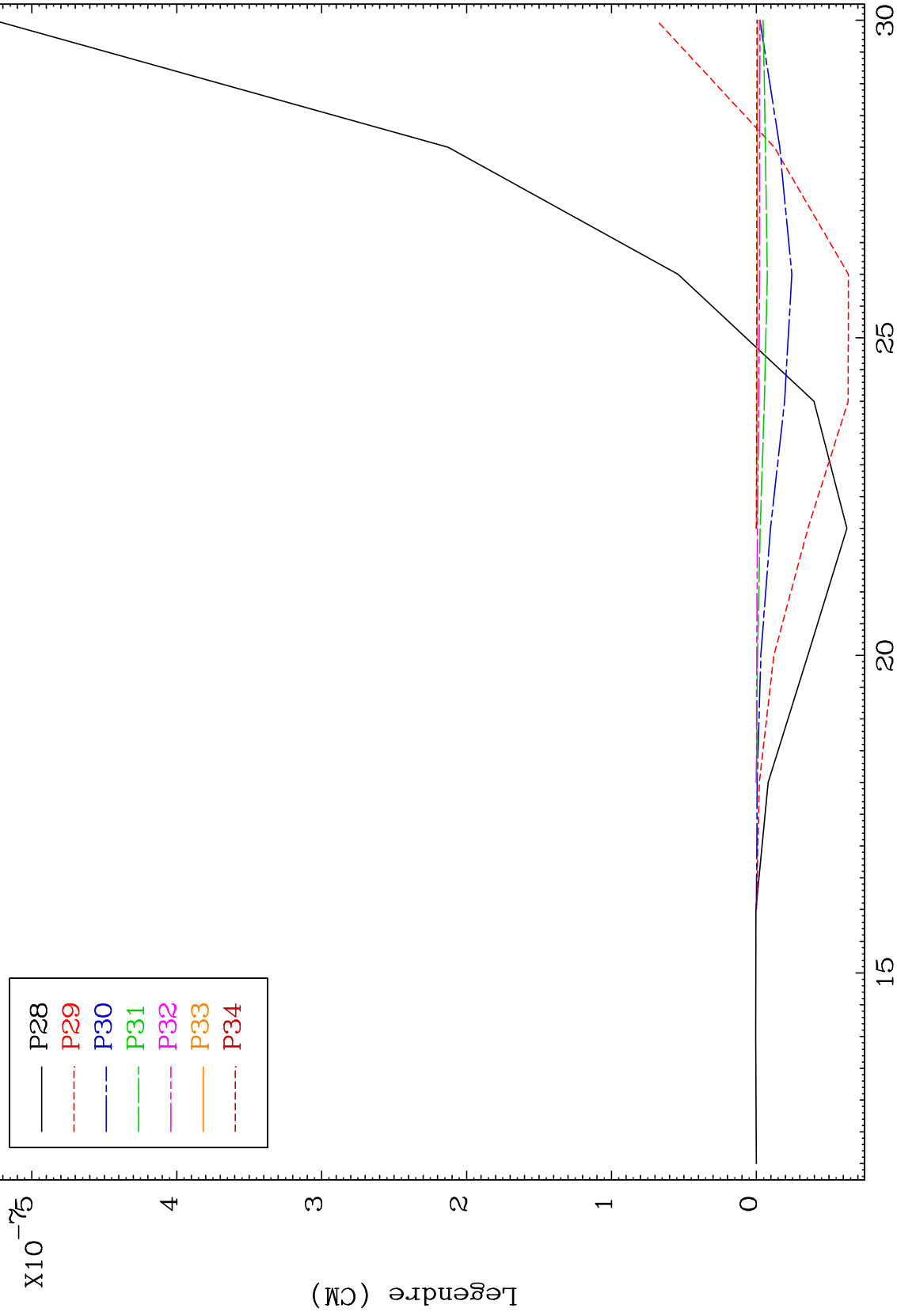
Incident Energy (MeV)

51-Sb-124

MAT 5134

Elastic
Legendre Coefficients

51-Sb-124



18

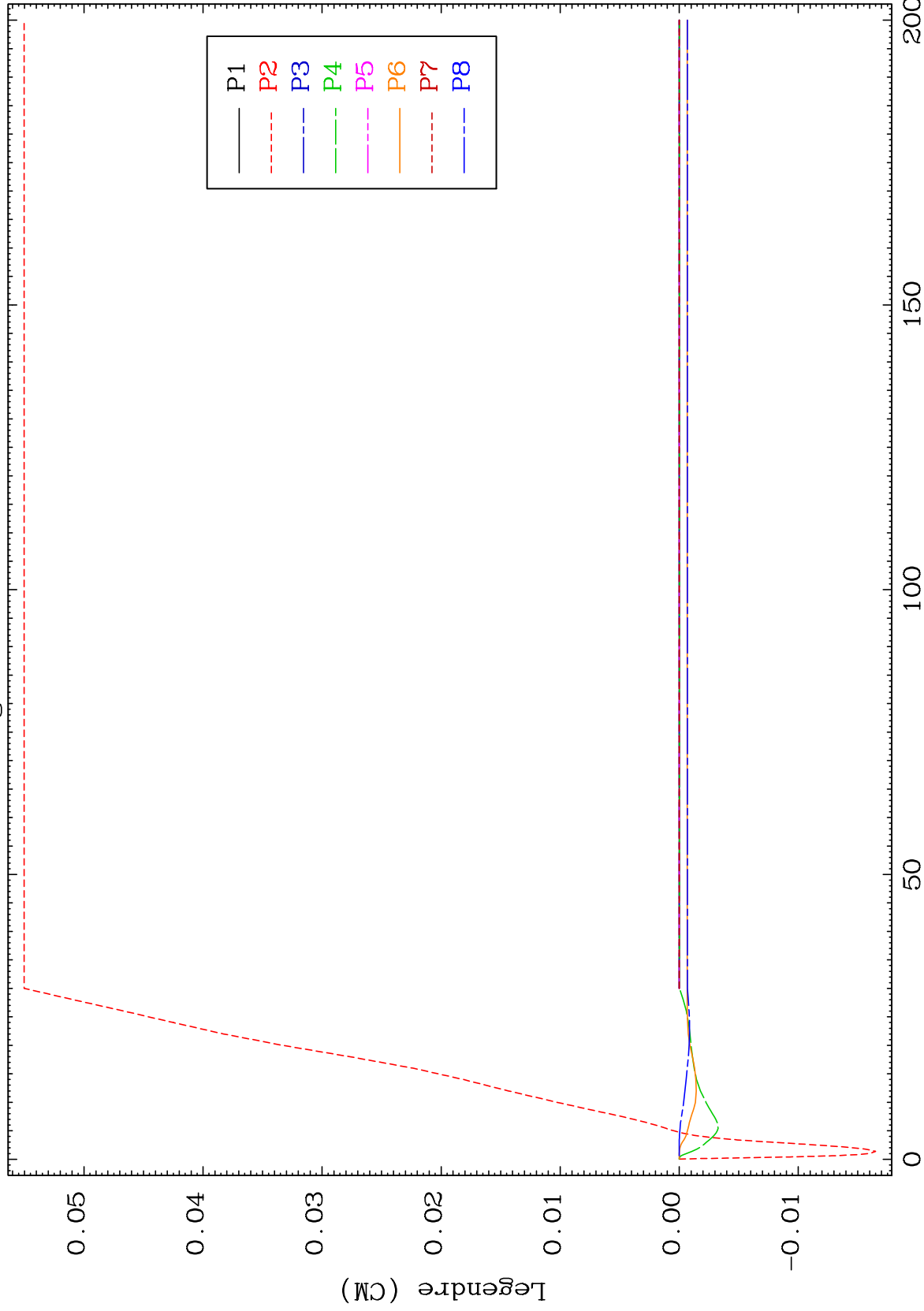
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



19

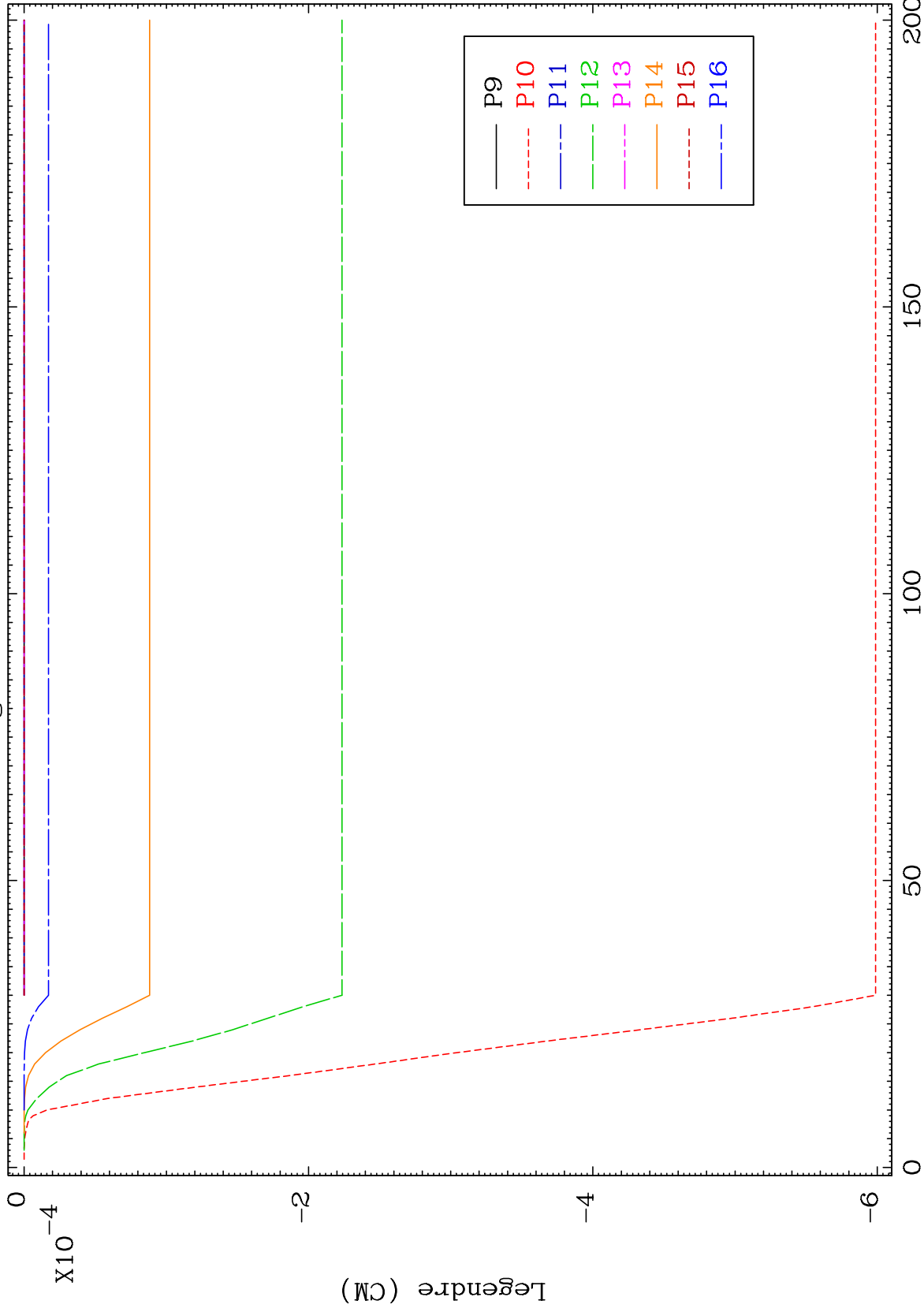
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



20

Incident Energy (MeV)

50

100

150

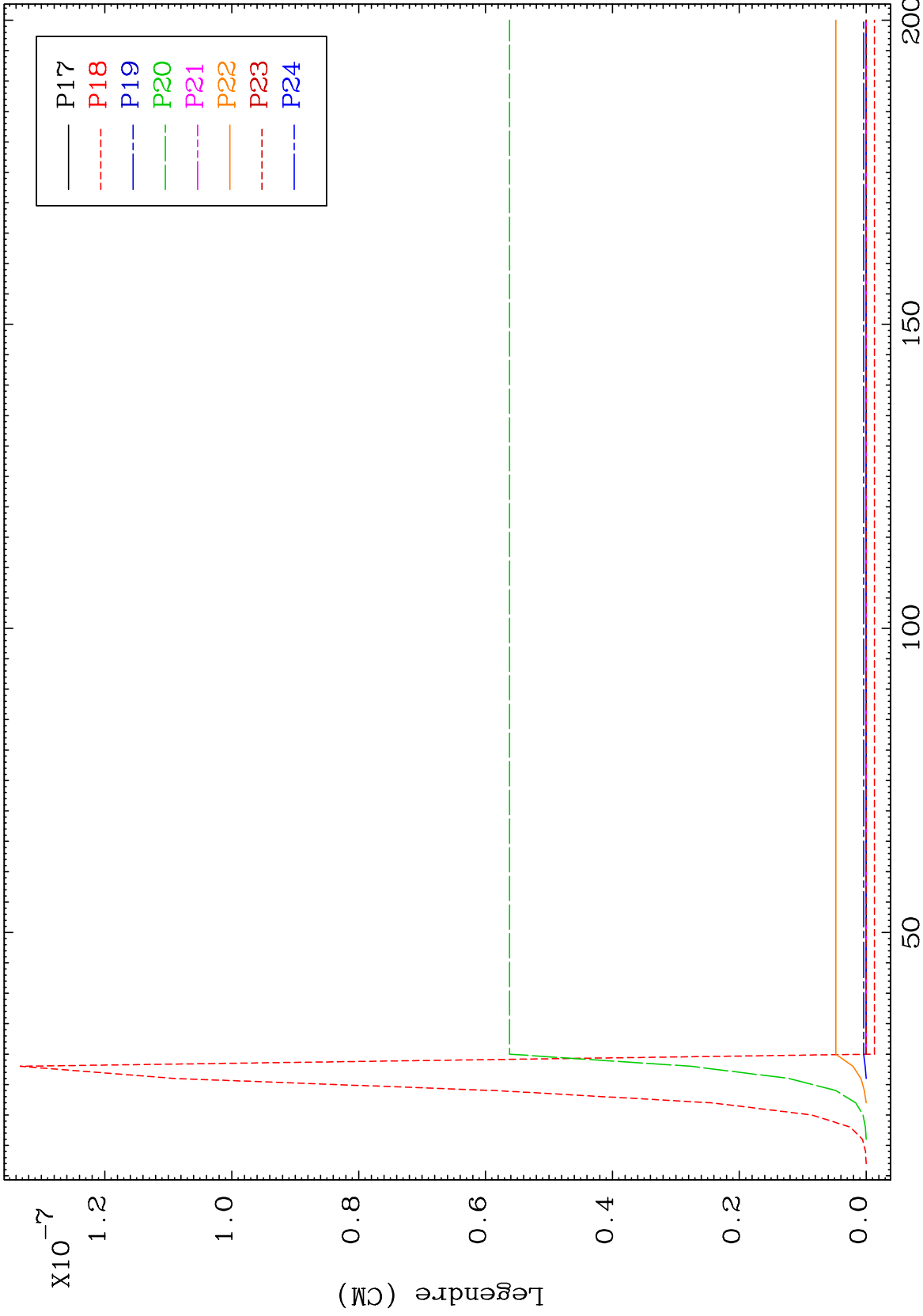
200

51-Sb-124

MAT 5134

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

51-Sb-124



21

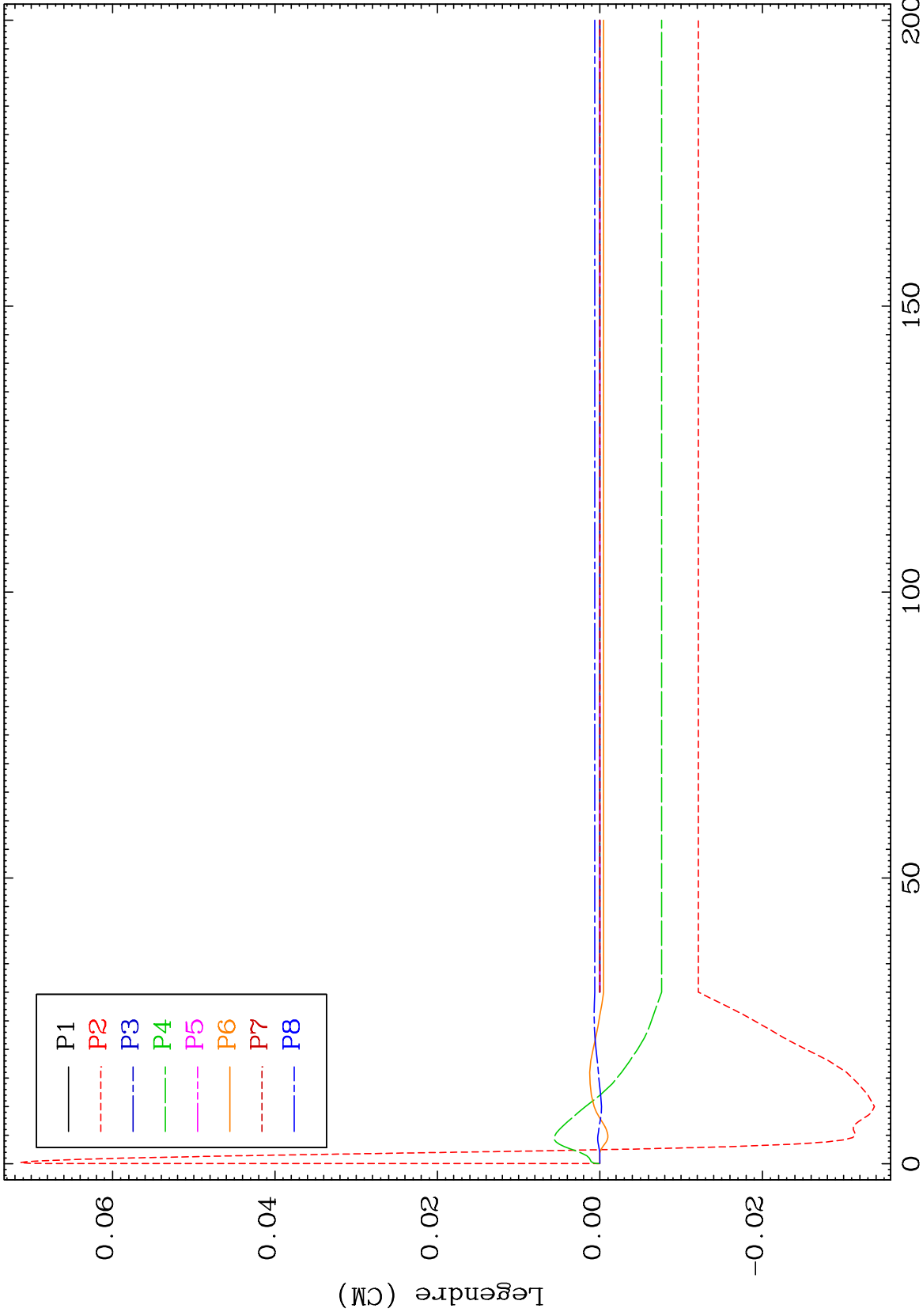
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



22

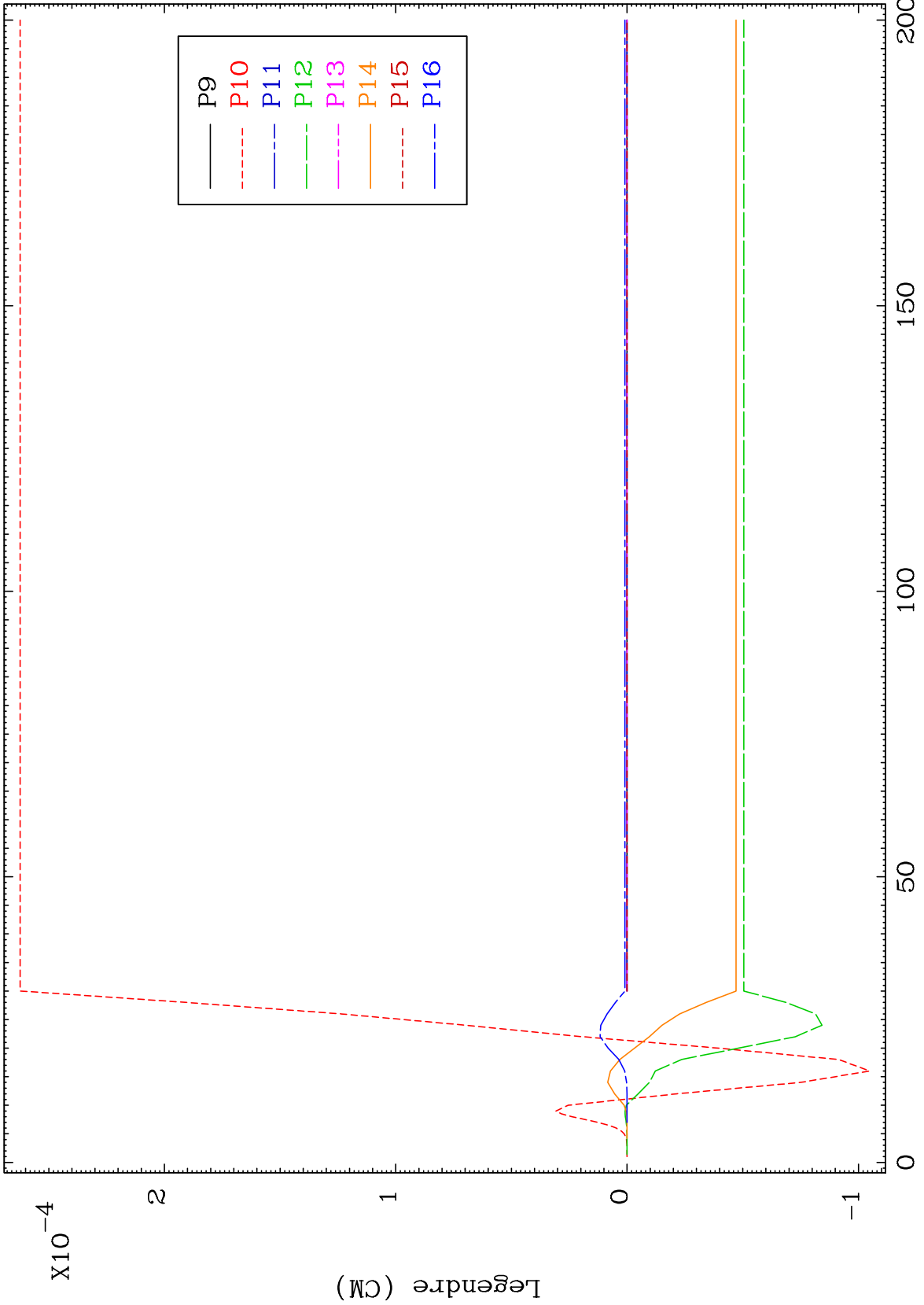
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124

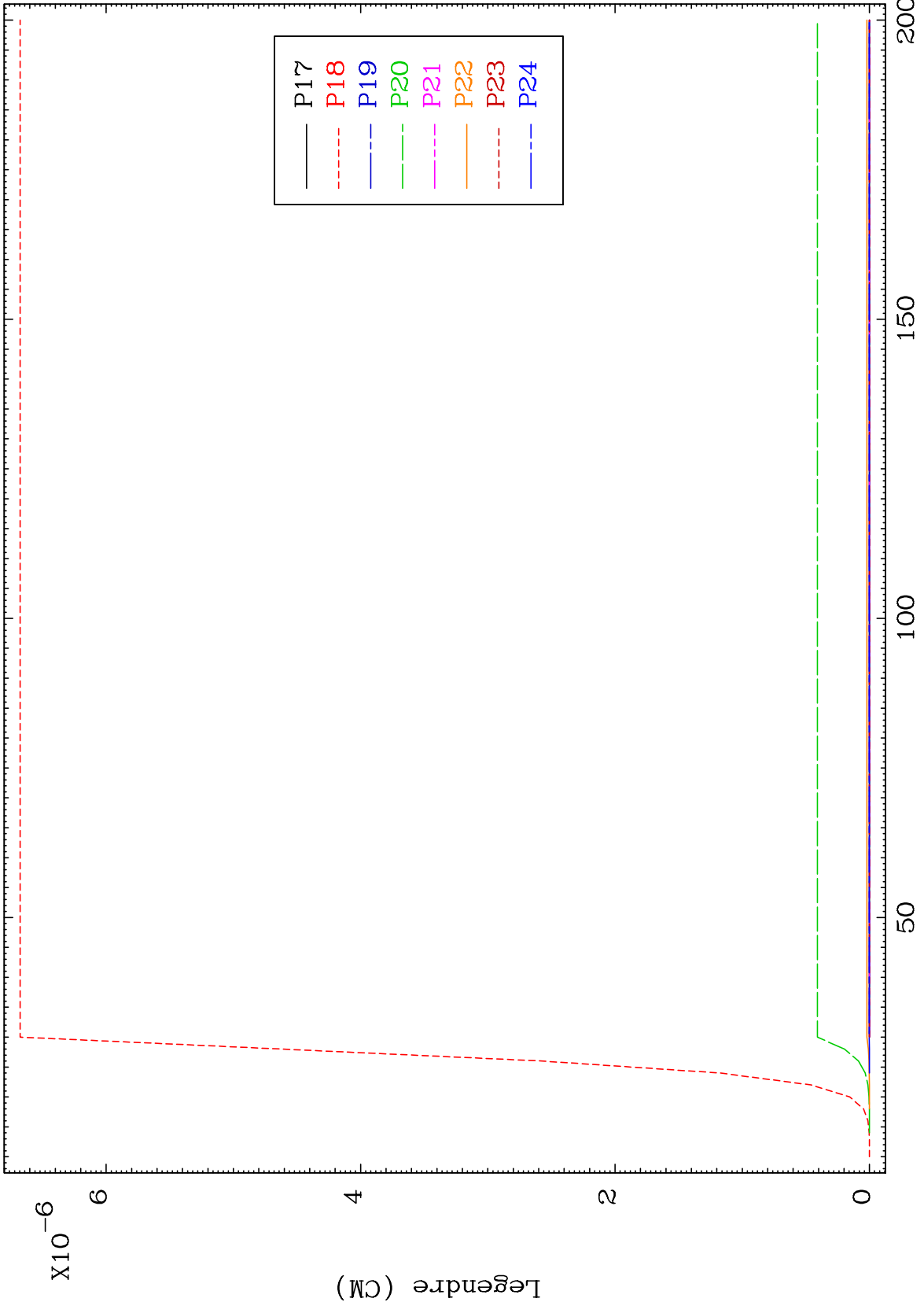


23

Incident Energy (MeV)

51-Sb-124

MAT 5134 MT= 52 (n,n') Level Legendre Coefficients 51-Sb-124

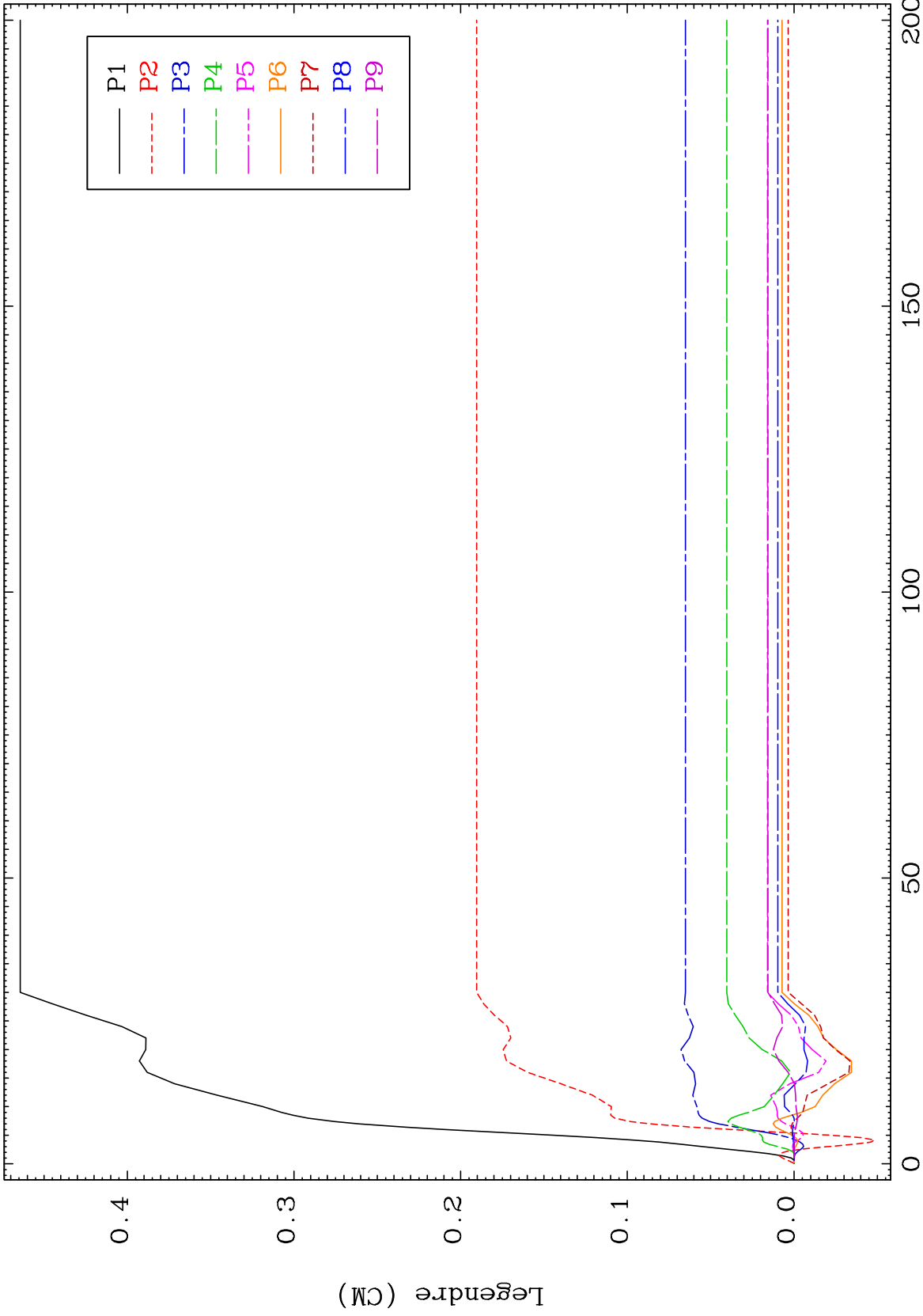


24 50 100 150 200 Incident Energy (MeV) 51-Sb-124

MAT 5134

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

51-Sb-124



51-Sb-124

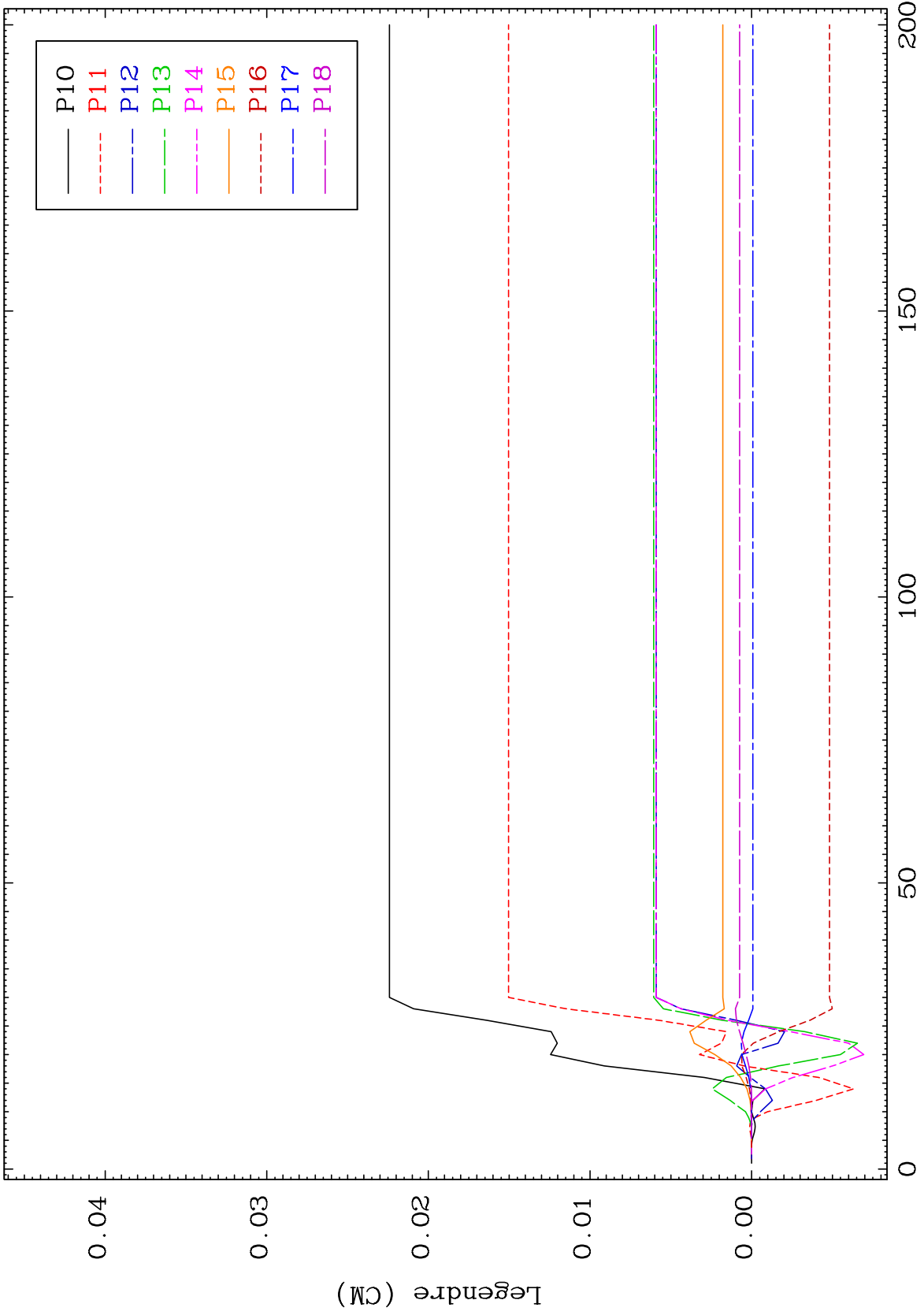
Incident Energy (MeV)

25

MAT 5134

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

51-Sb-124



26

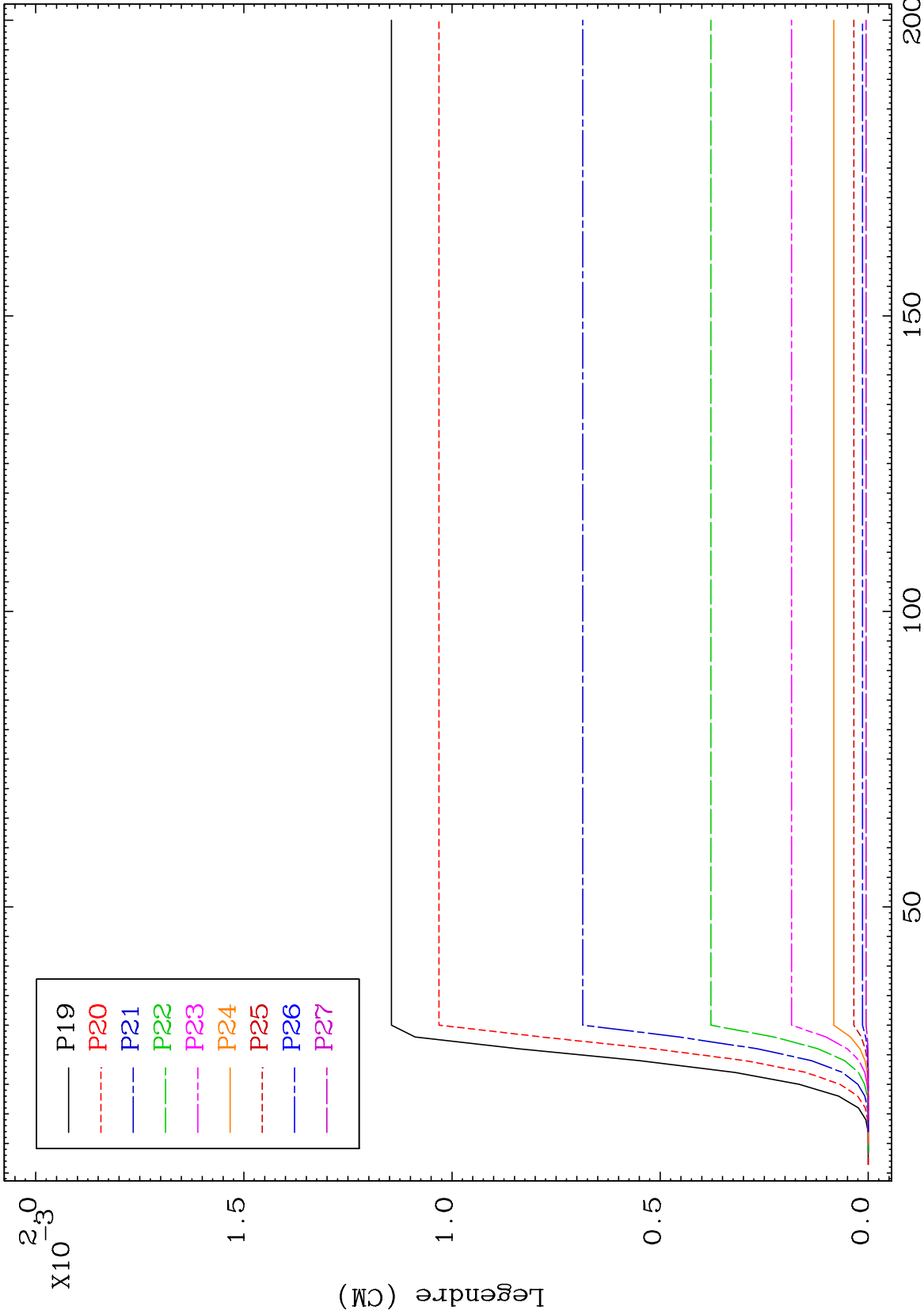
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



27

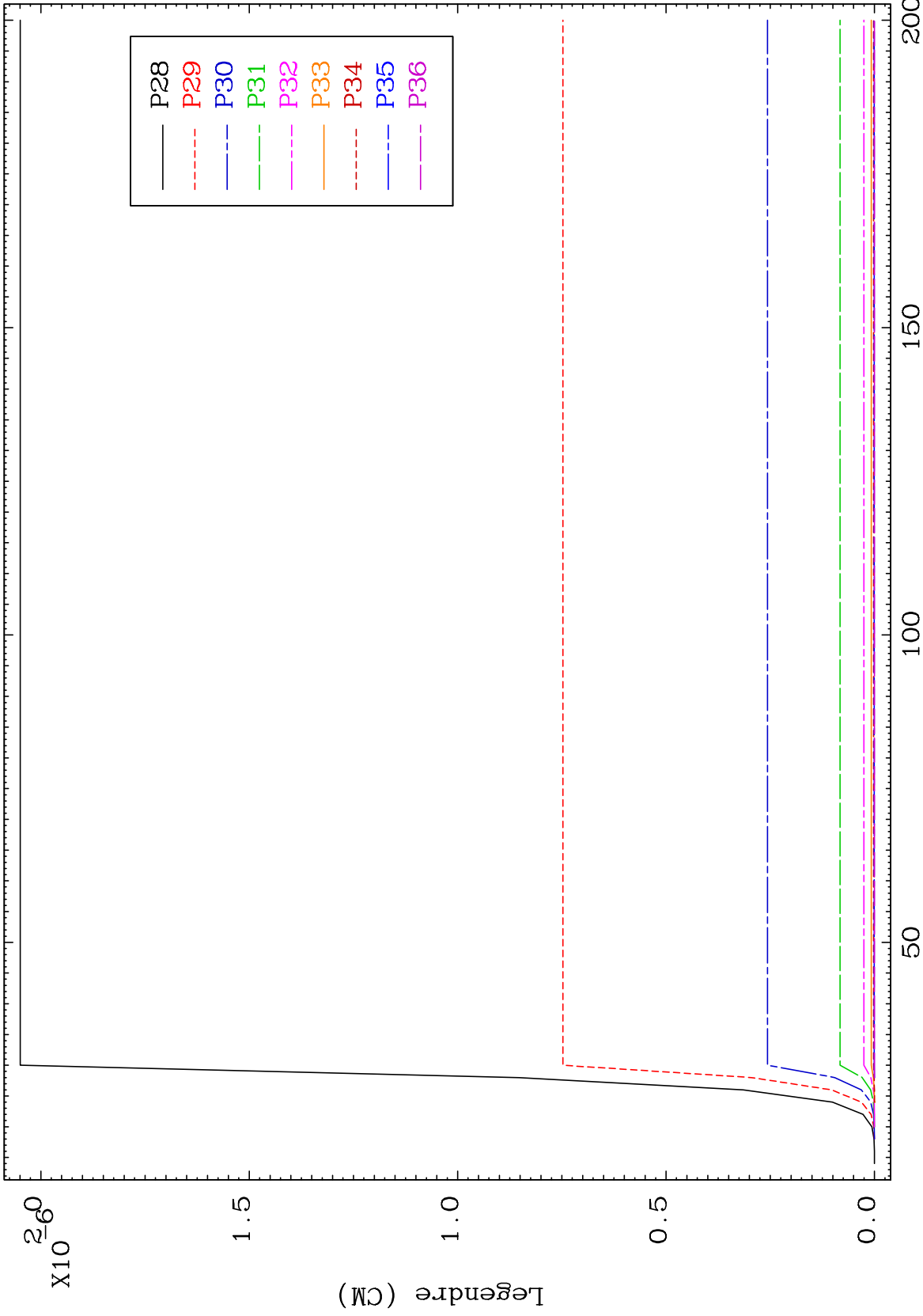
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



28

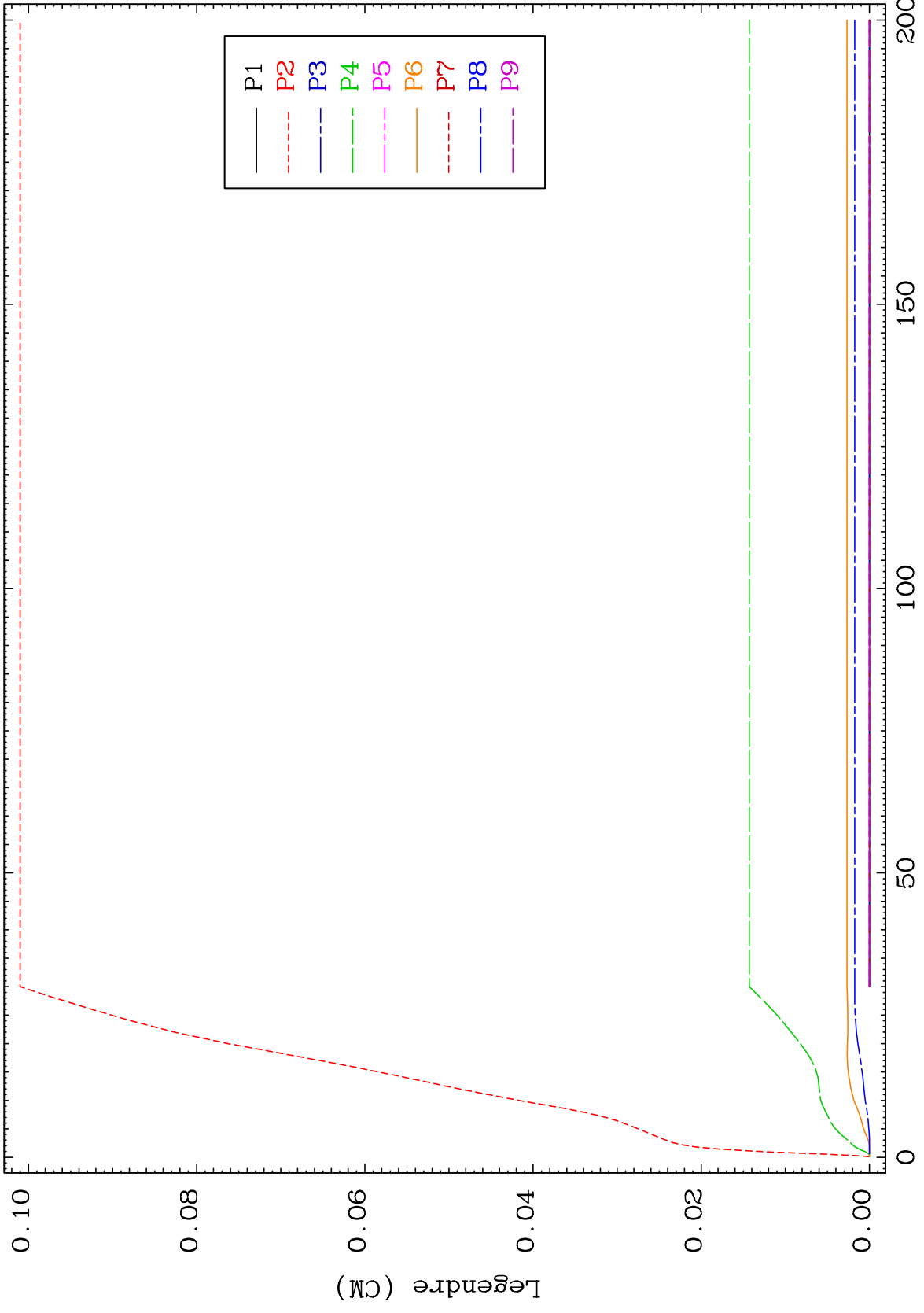
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



29

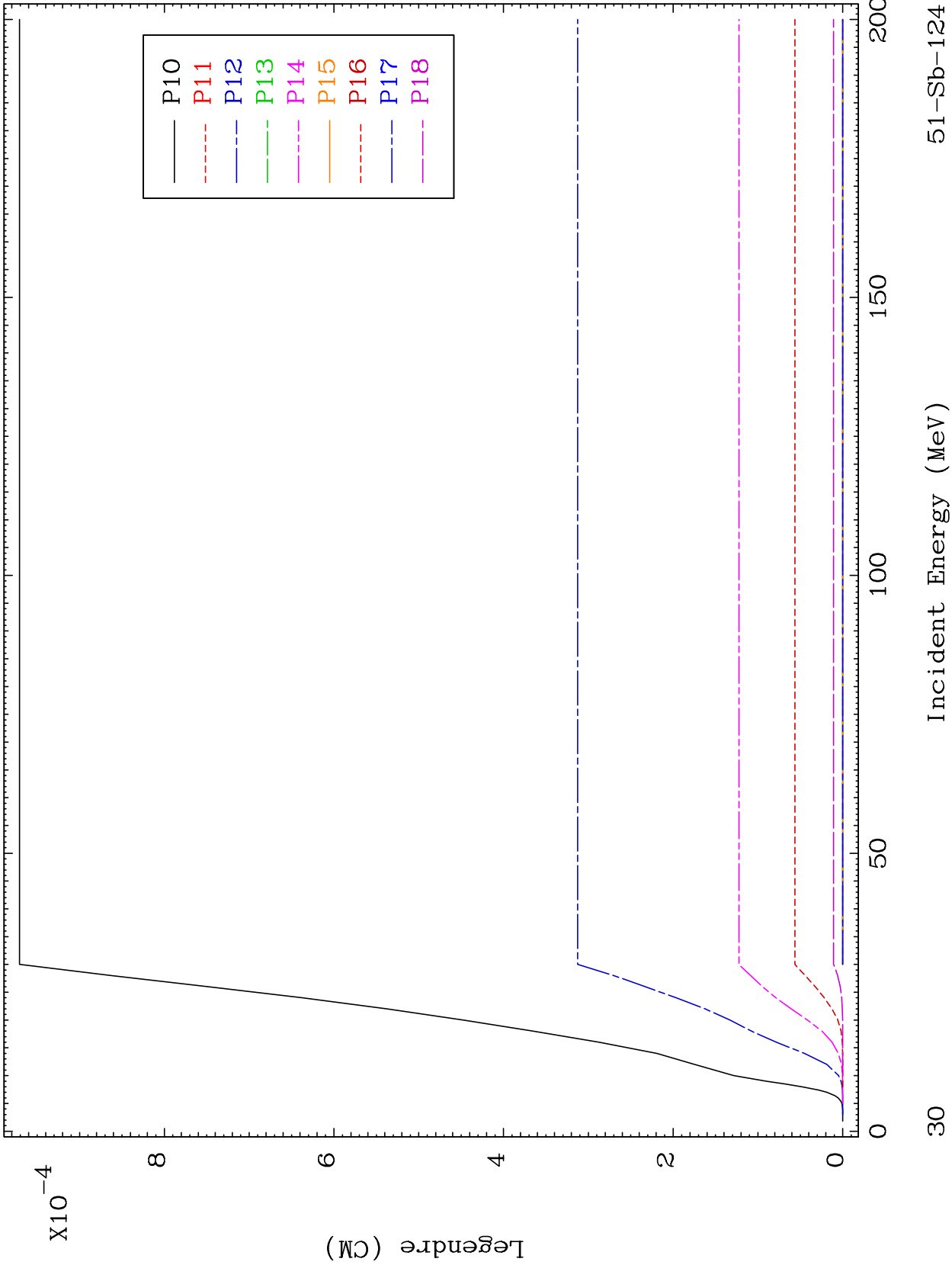
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

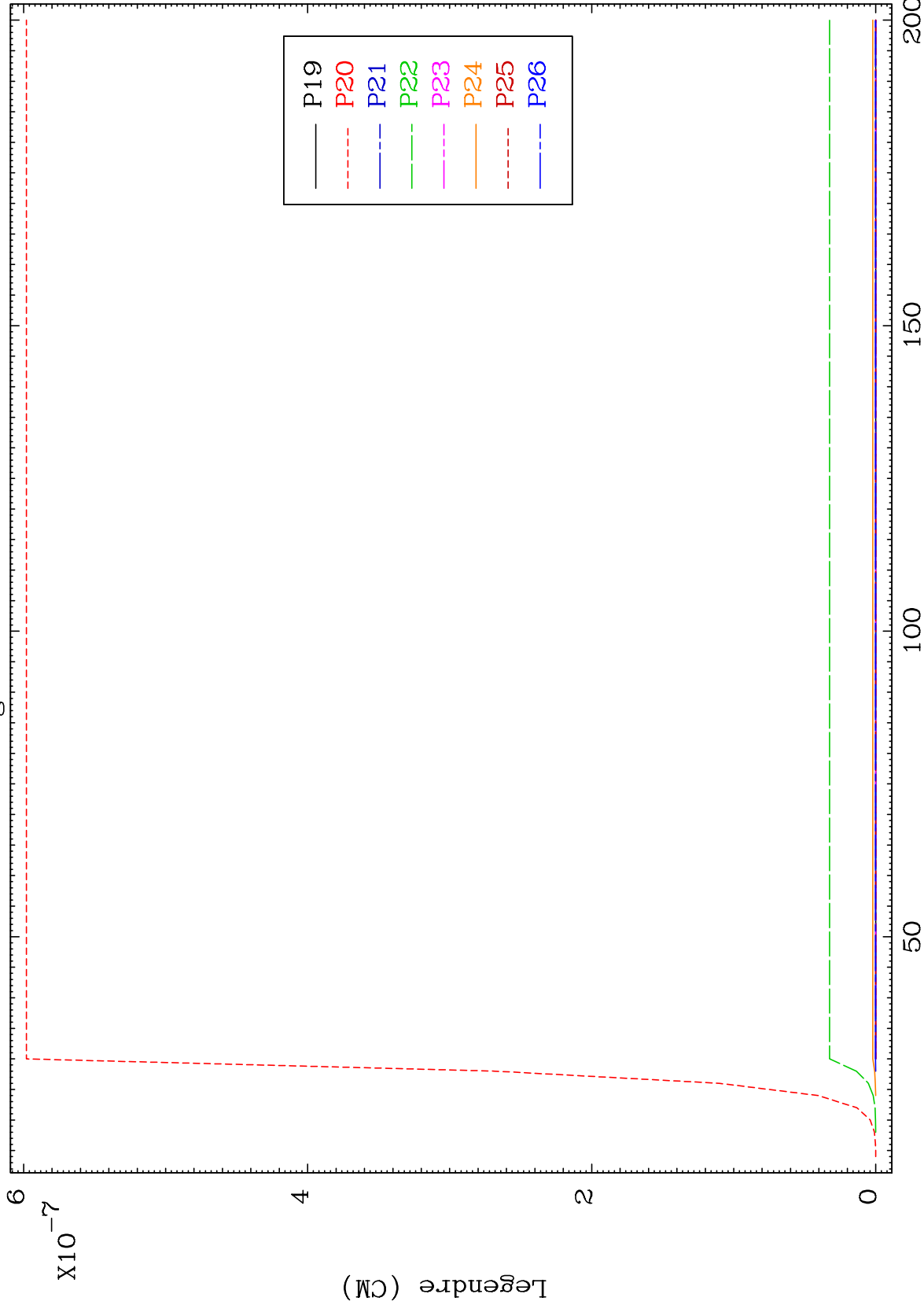
51-Sb-124



MAT 5134

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

51-Sb-124

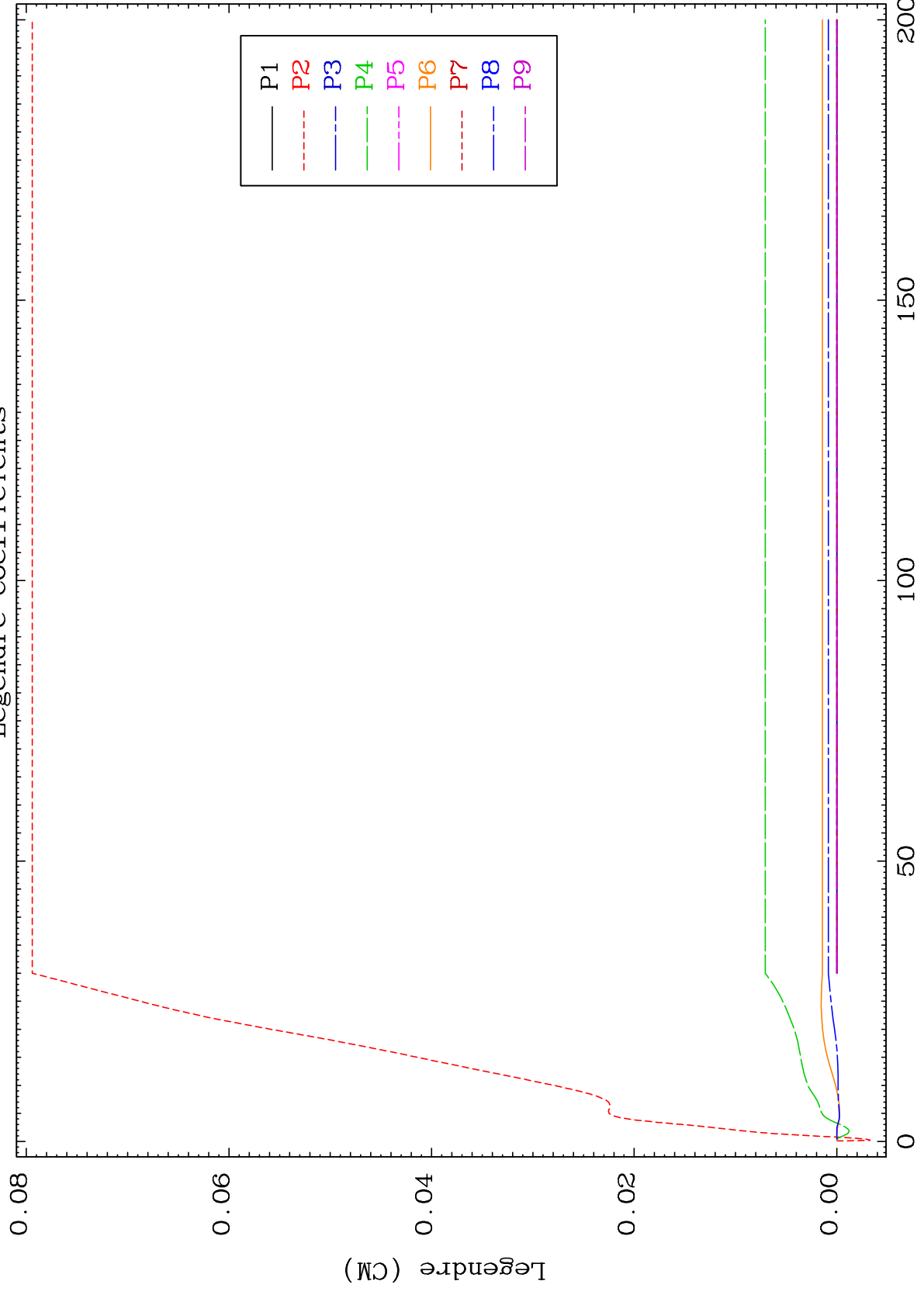


31

Incident Energy (MeV)

51-Sb-124

MAT 5134 MT= 55 (n,n') Level Legendre Coefficients 51-Sb-124

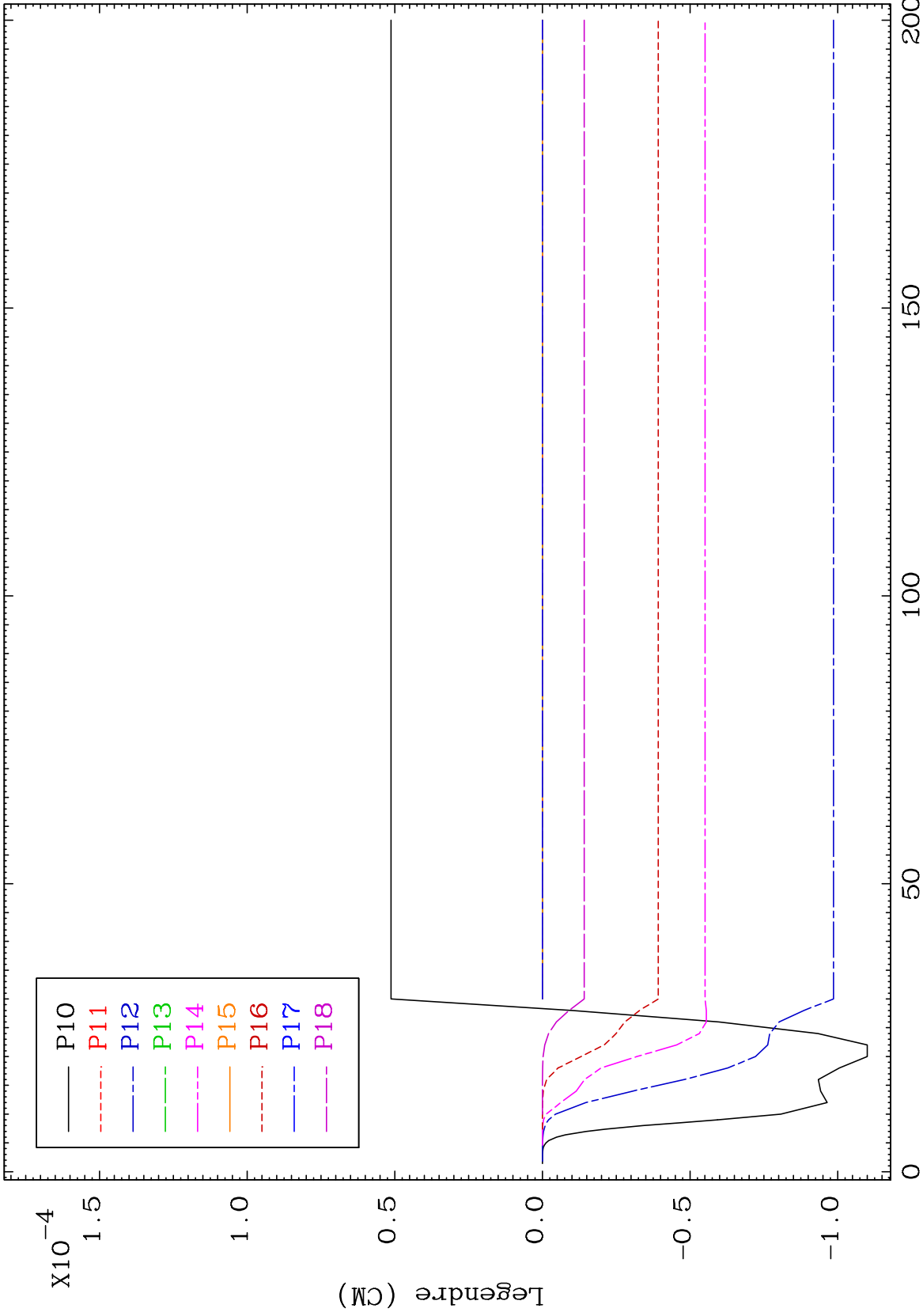


32 51-Sb-124

MAT 5134

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

51-Sb-124



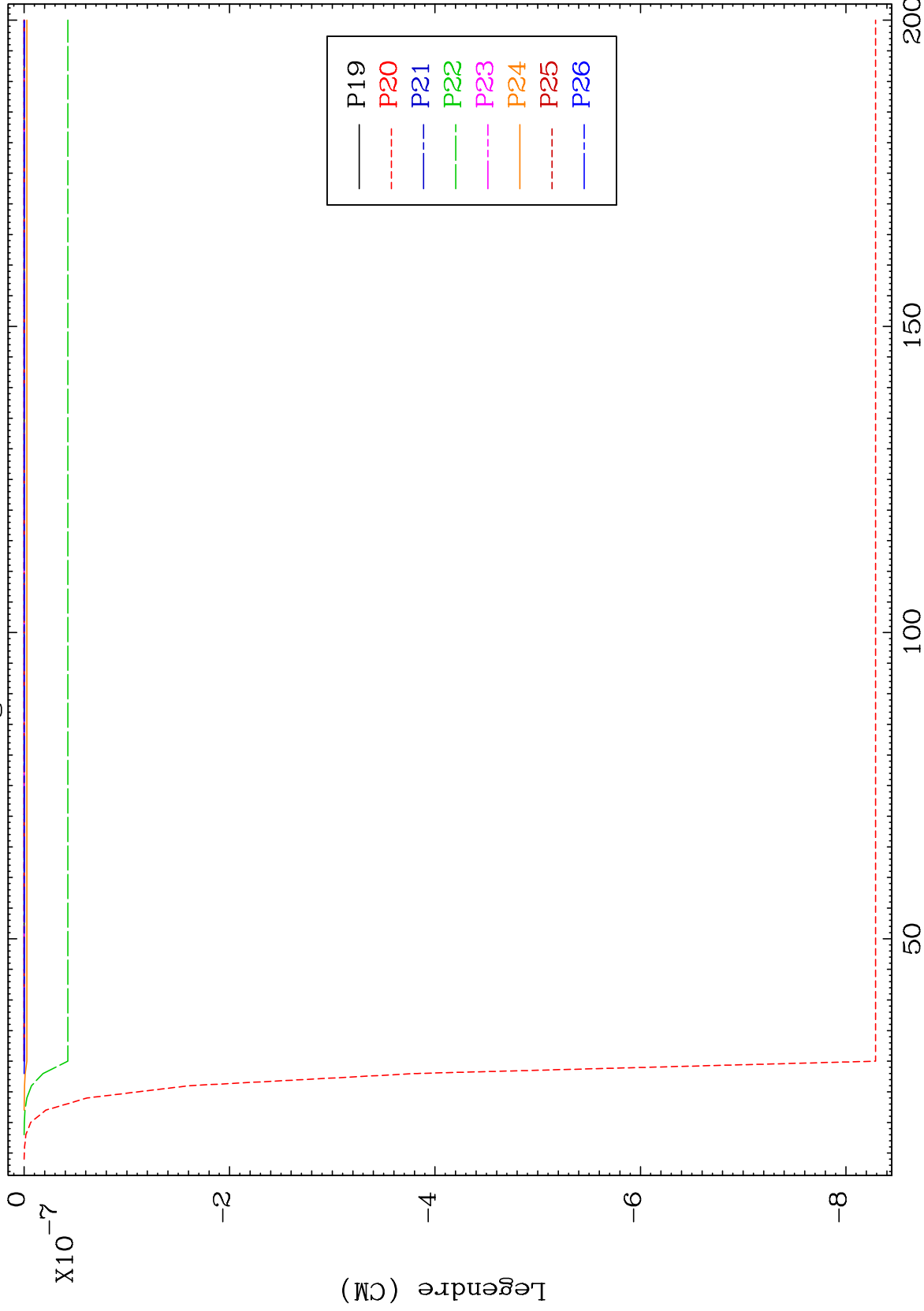
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51-Sb-124

MAT 5134

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

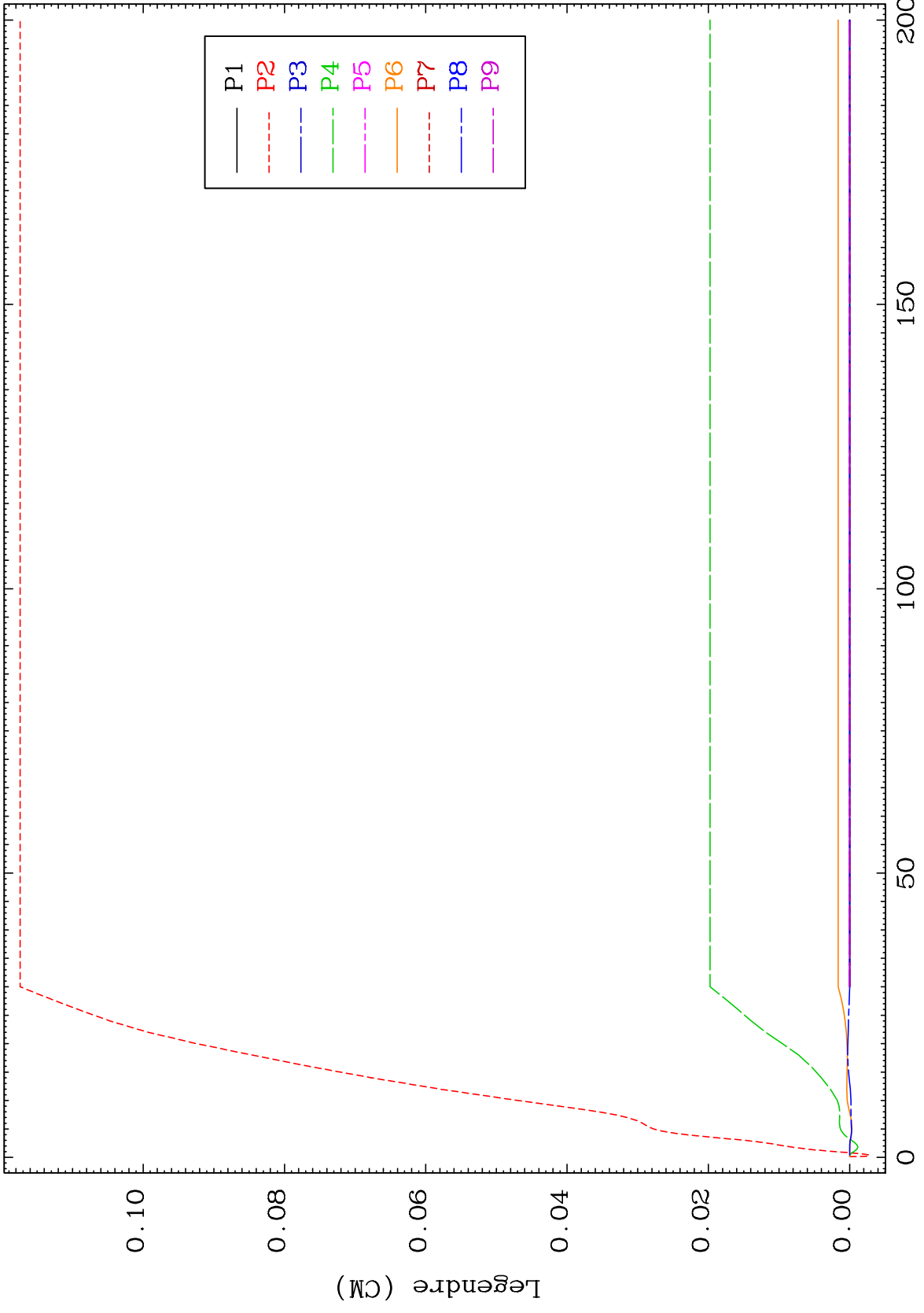
51-Sb-124



34

51-Sb-124

MAT 5134 MT= 56 (n,n') Level Legendre Coefficients 51-Sb-124

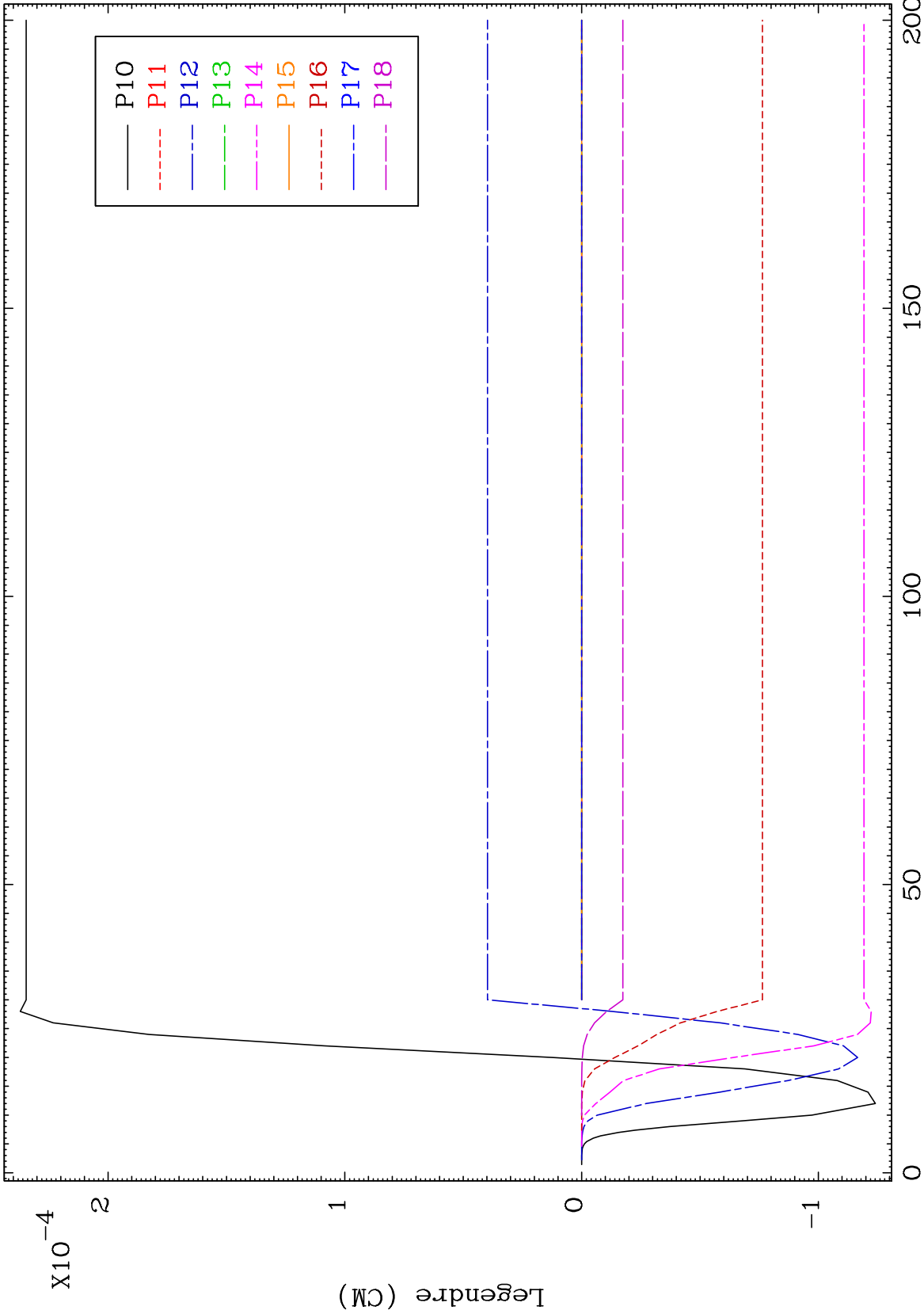


35 Incident Energy (MeV) 51-Sb-124

MAT 5134

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

51-Sb-124



36

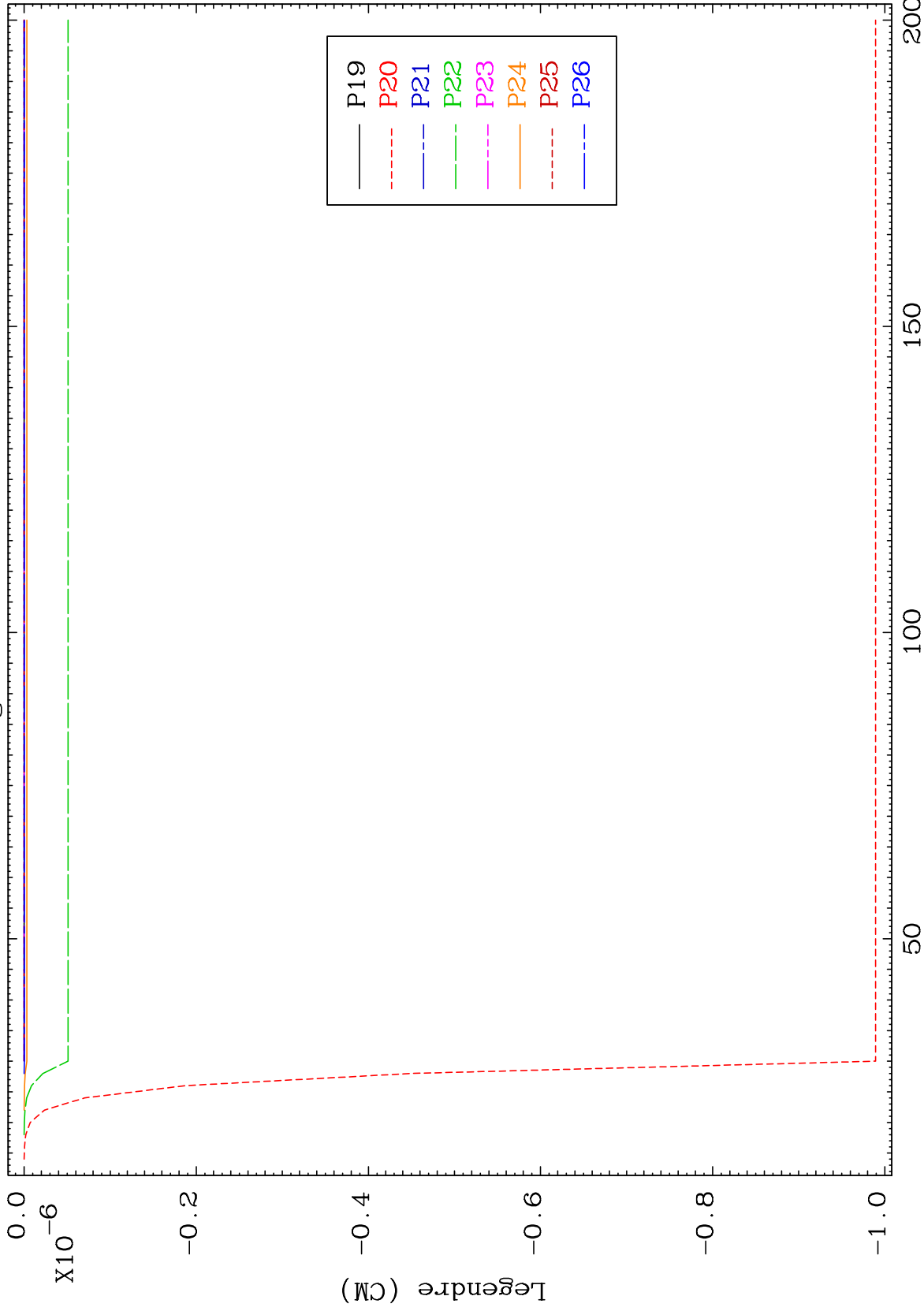
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



37

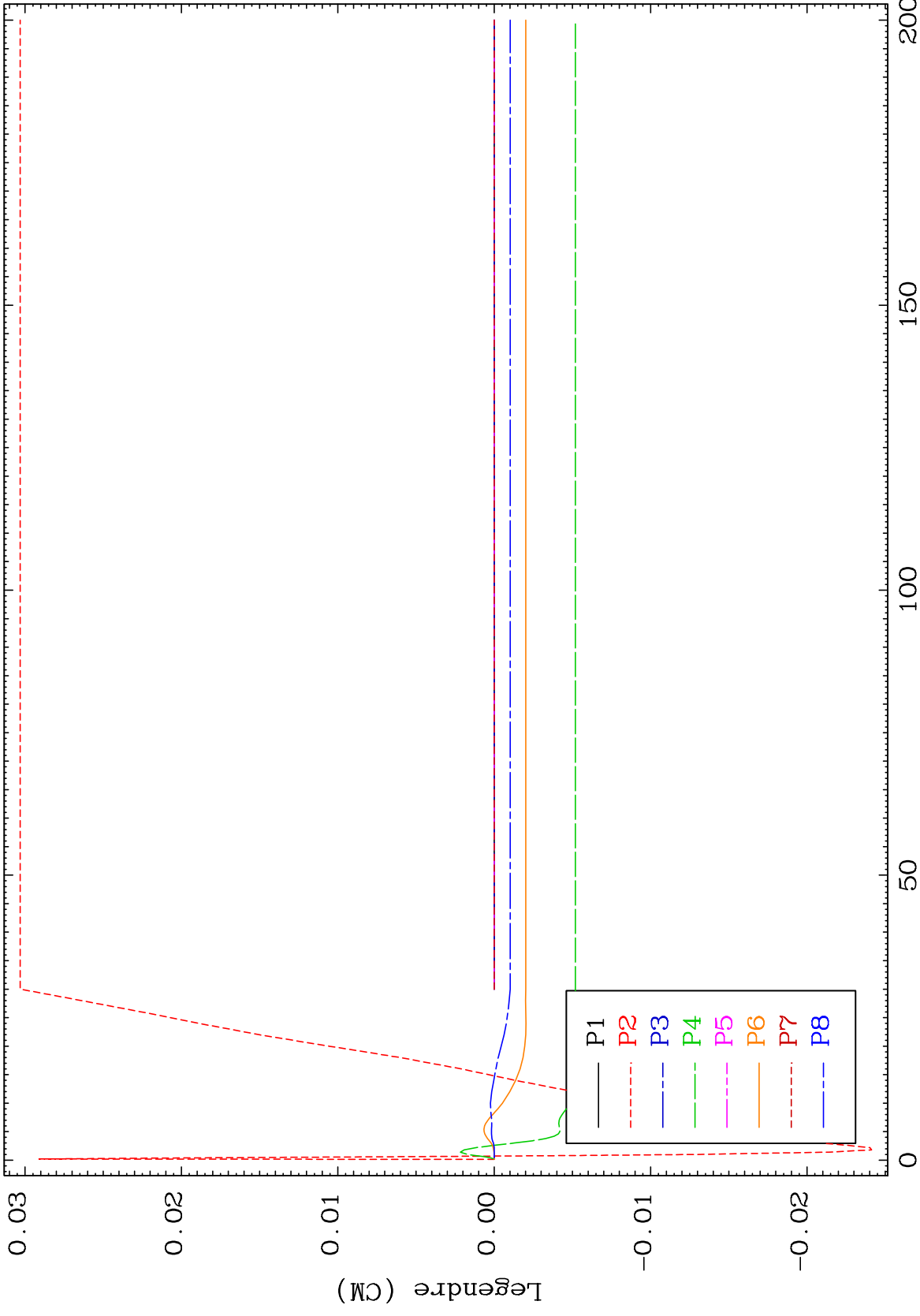
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



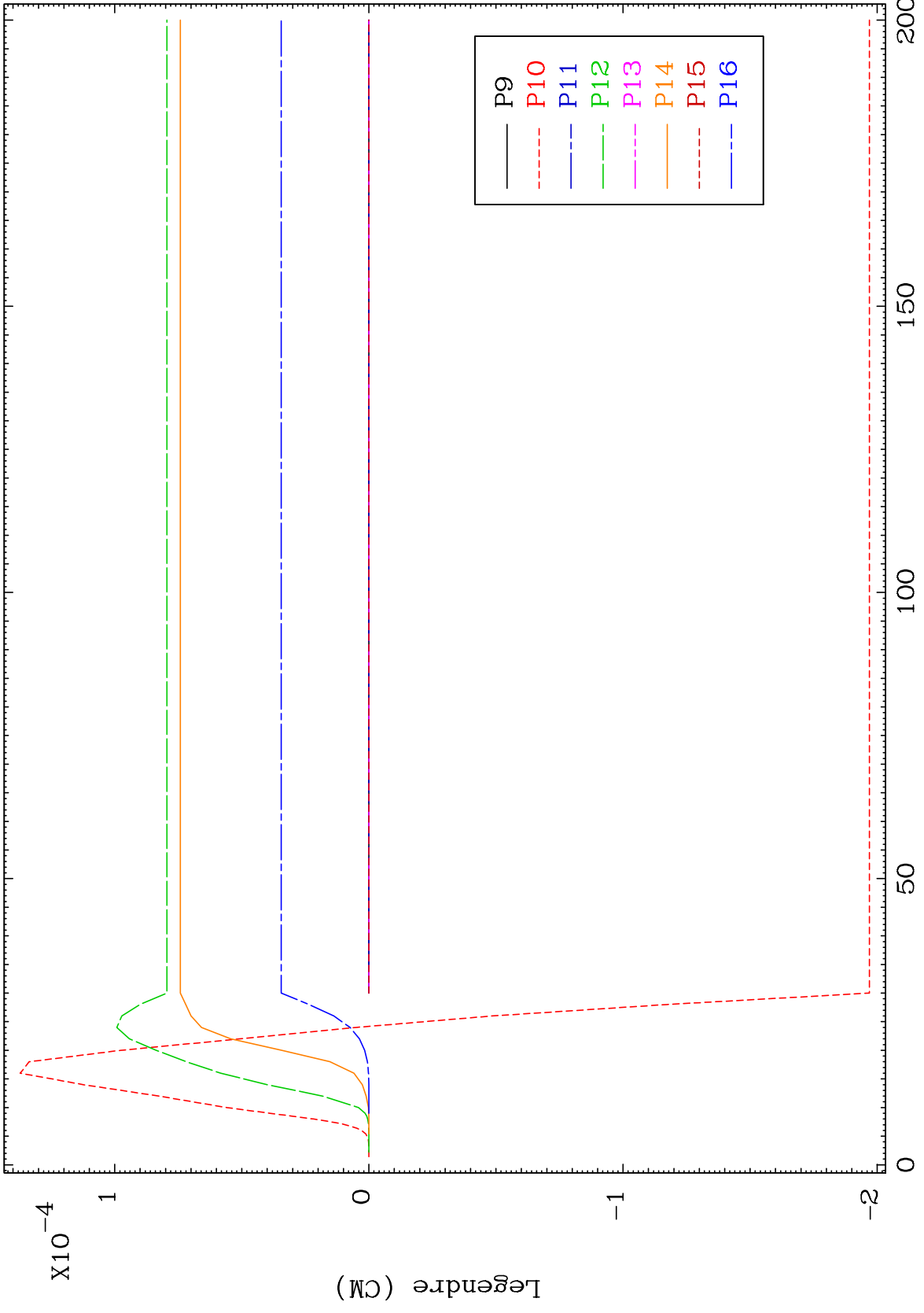
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51-Sb-124

MAT 5134

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

51-Sb-124



39

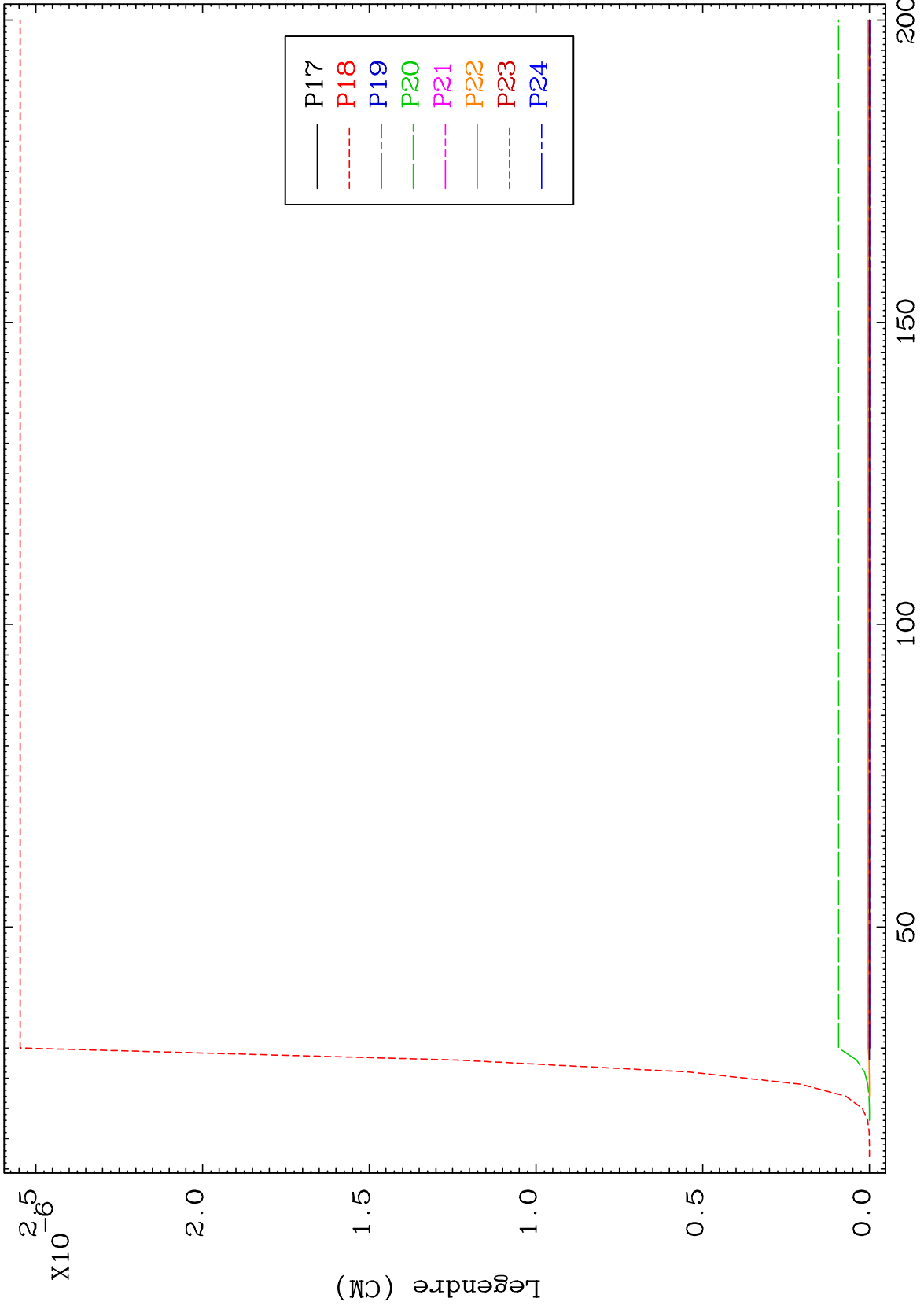
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

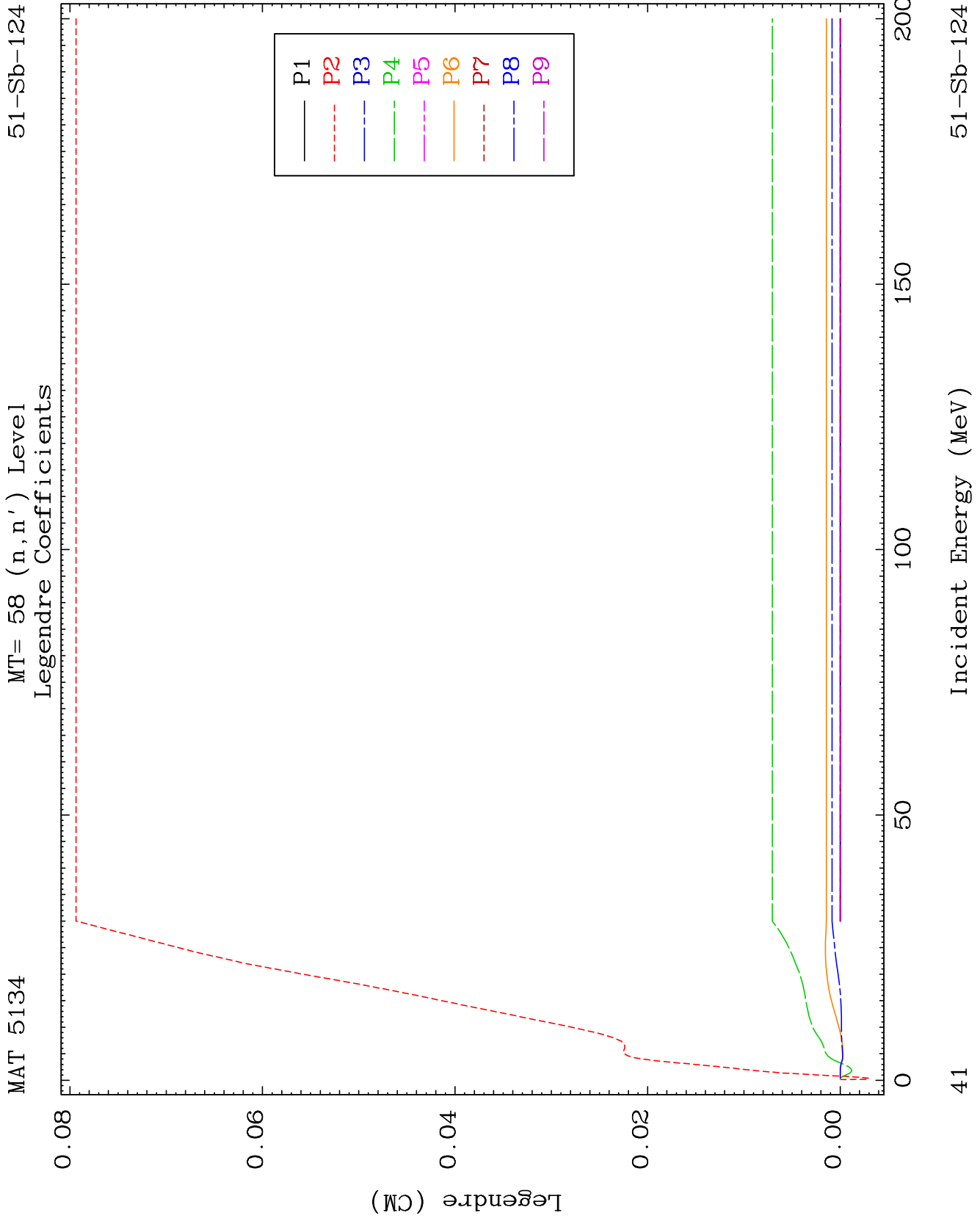
51-Sb-124



40

Incident Energy (MeV)

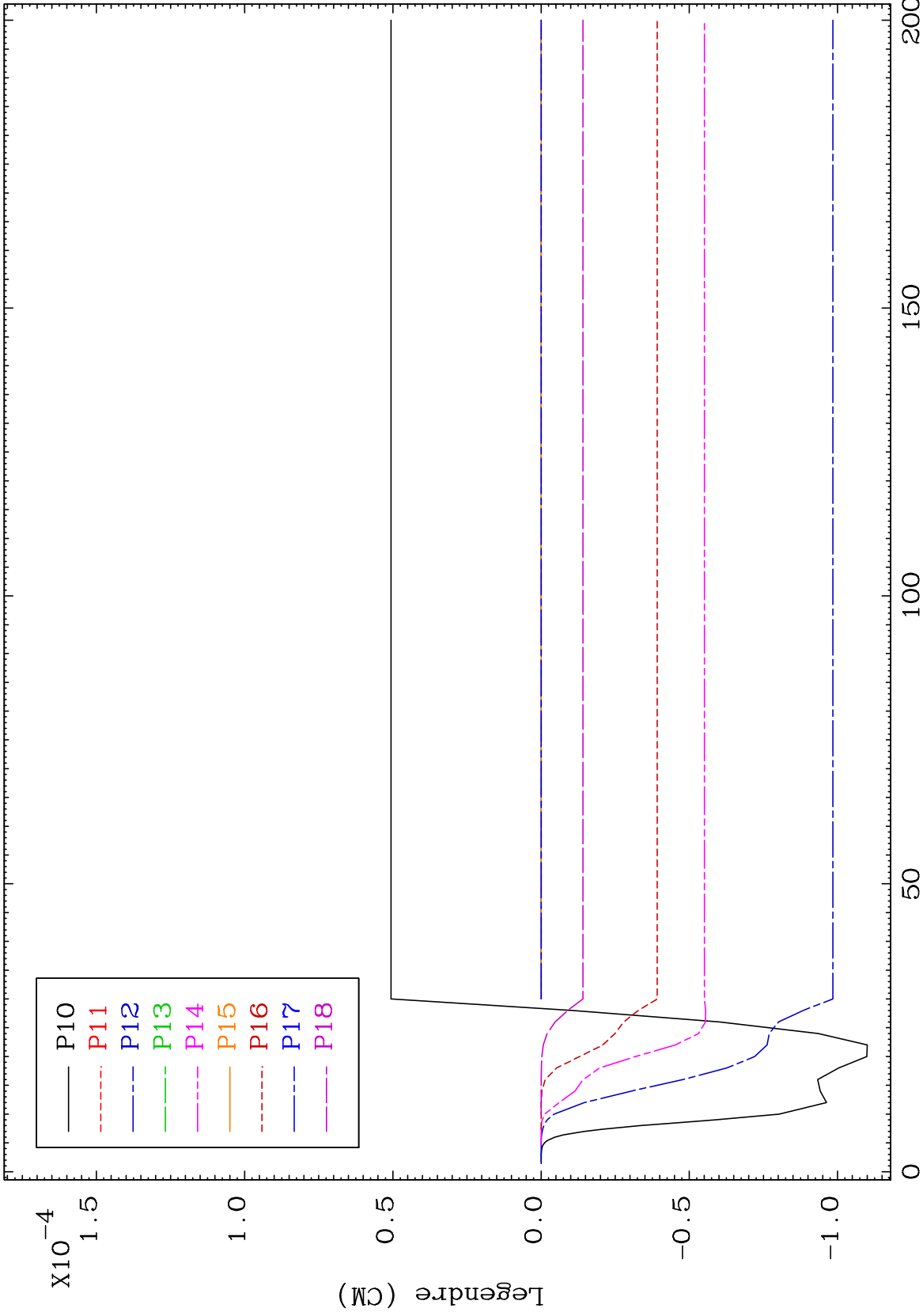
51-Sb-124



MAT 5134

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

51-Sb-124



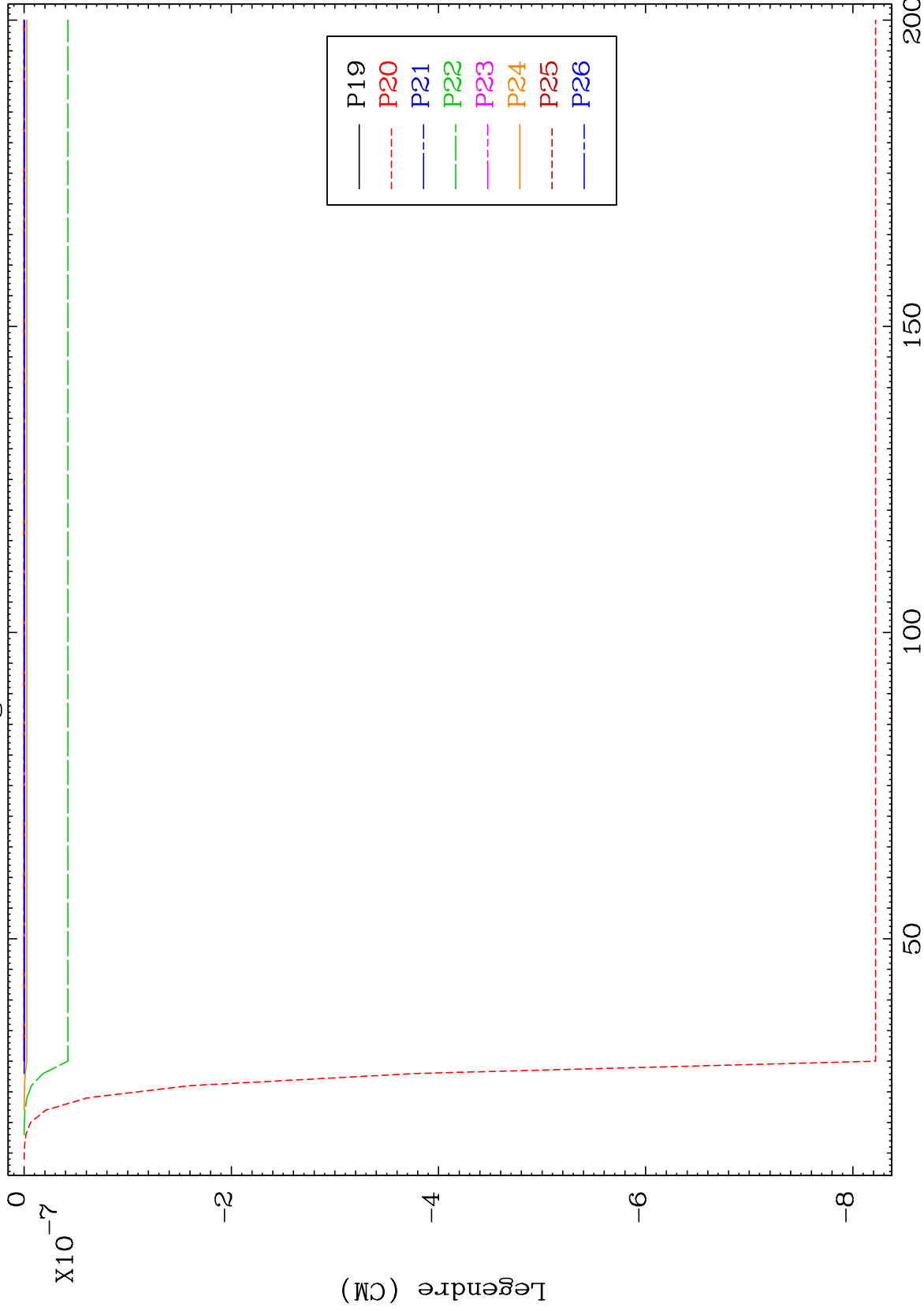
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51-Sb-124

MAT 5134

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

51-Sb-124



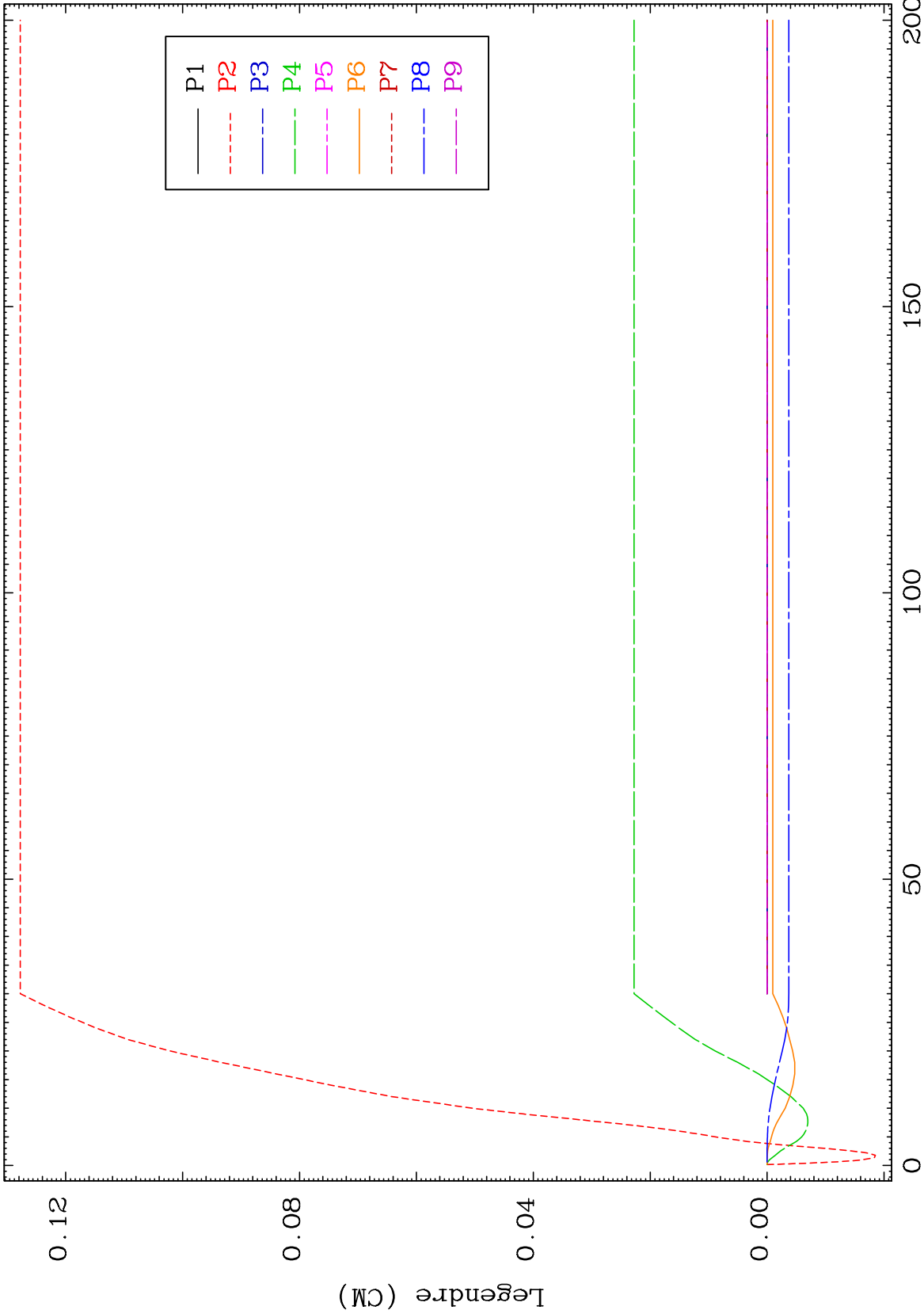
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51-Sb-124

MAT 5134

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

51-Sb-124



44

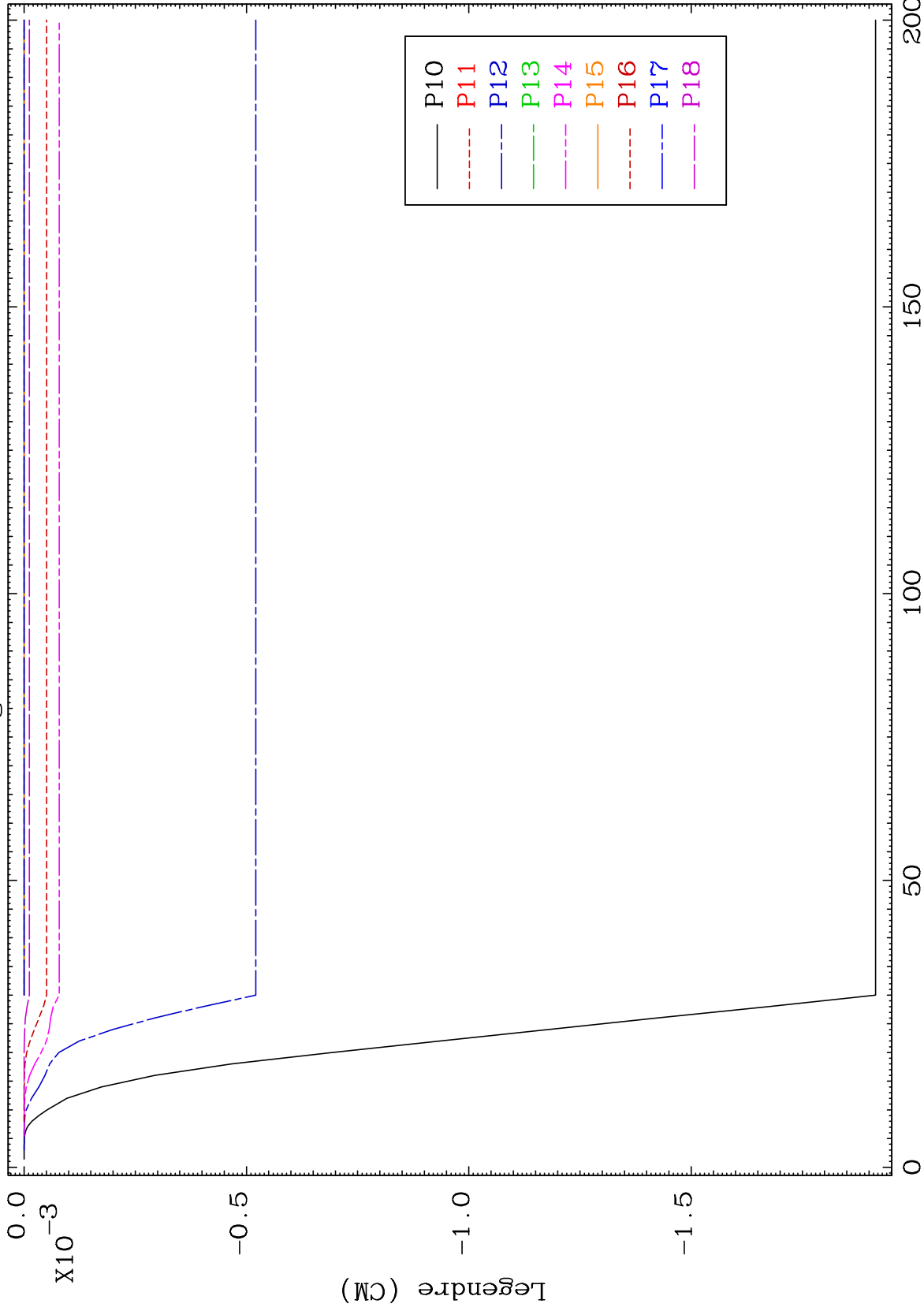
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



45

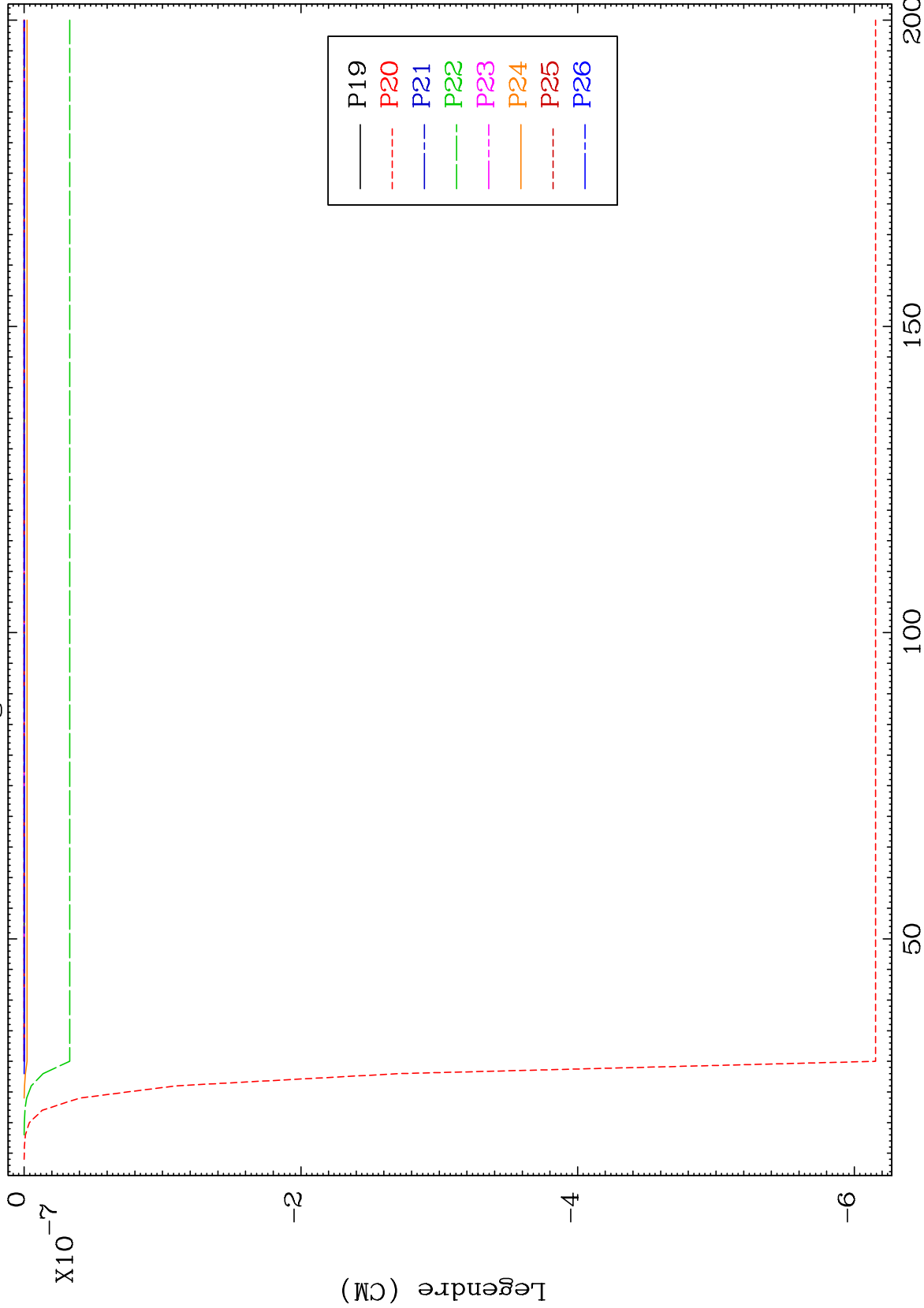
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



46

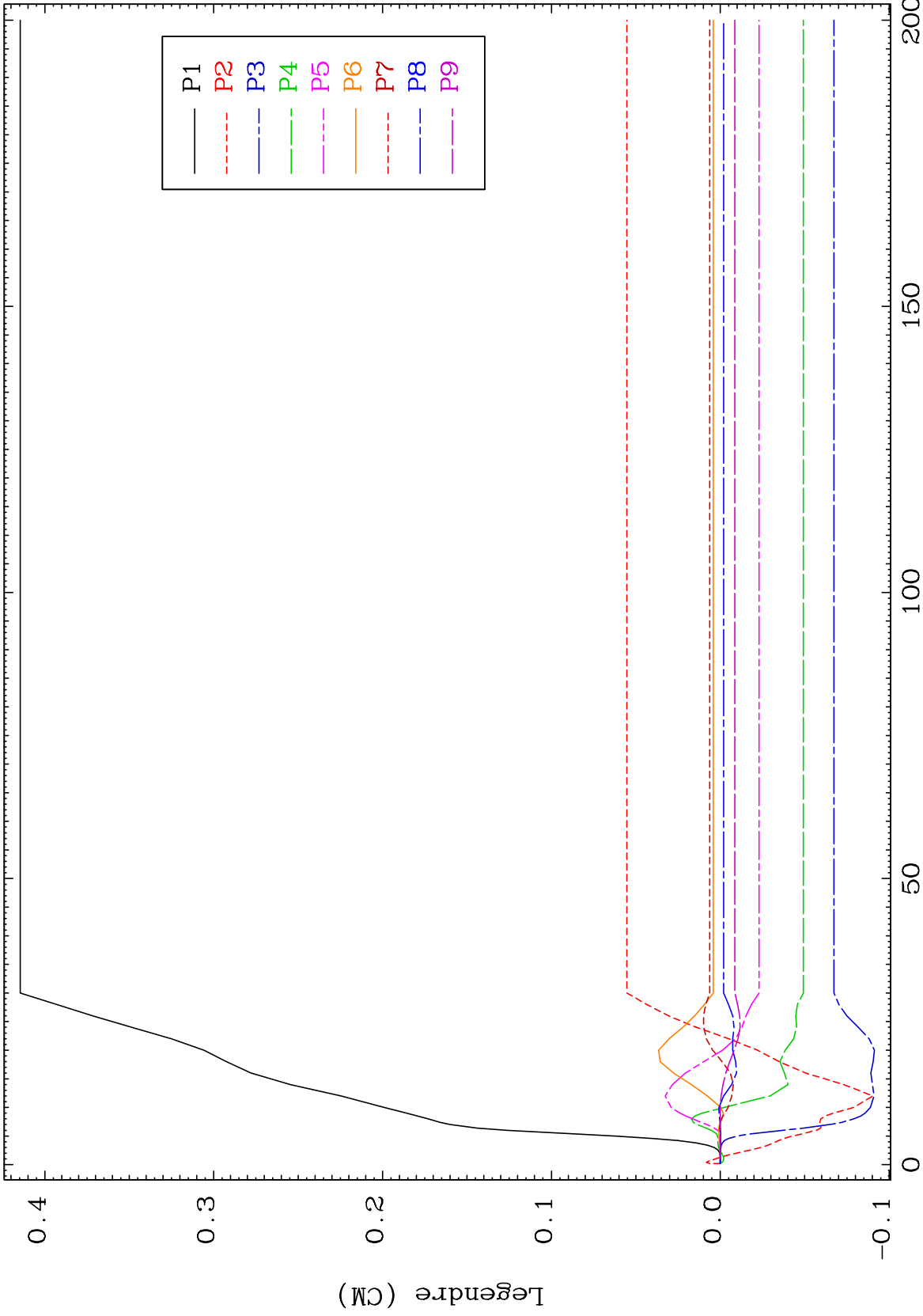
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



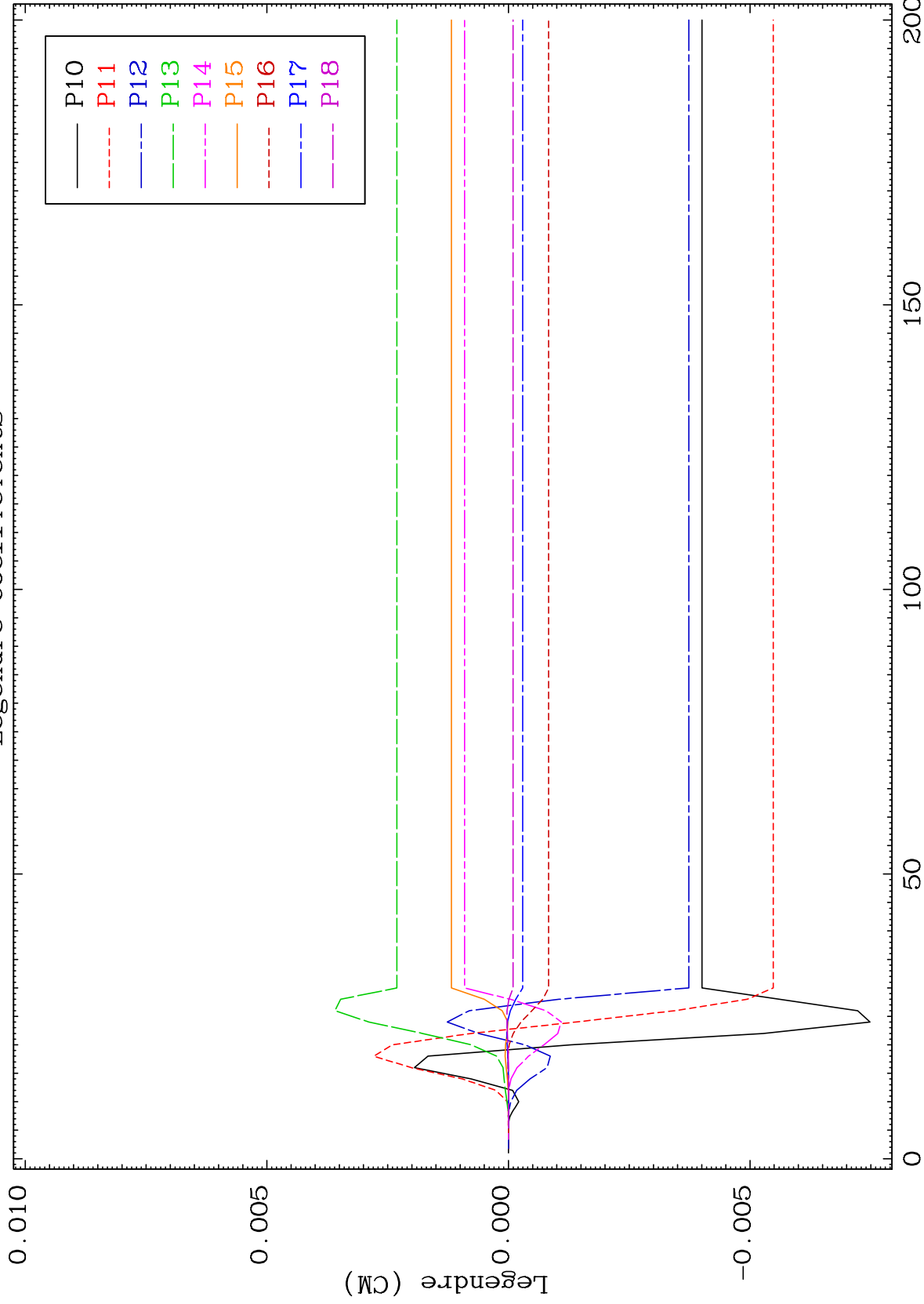
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51-Sb-124

MAT 5134

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

51-Sb-124



48

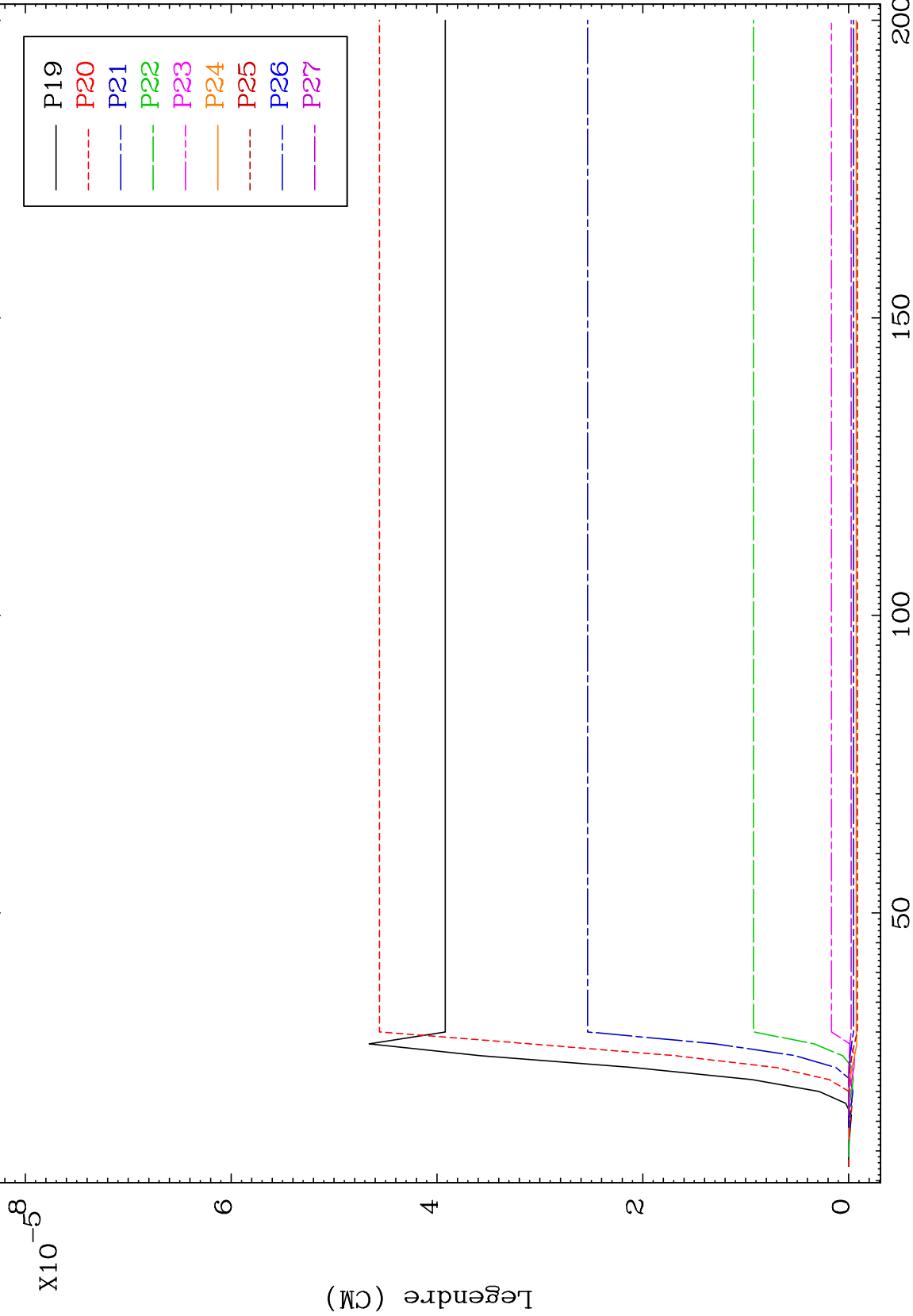
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



49

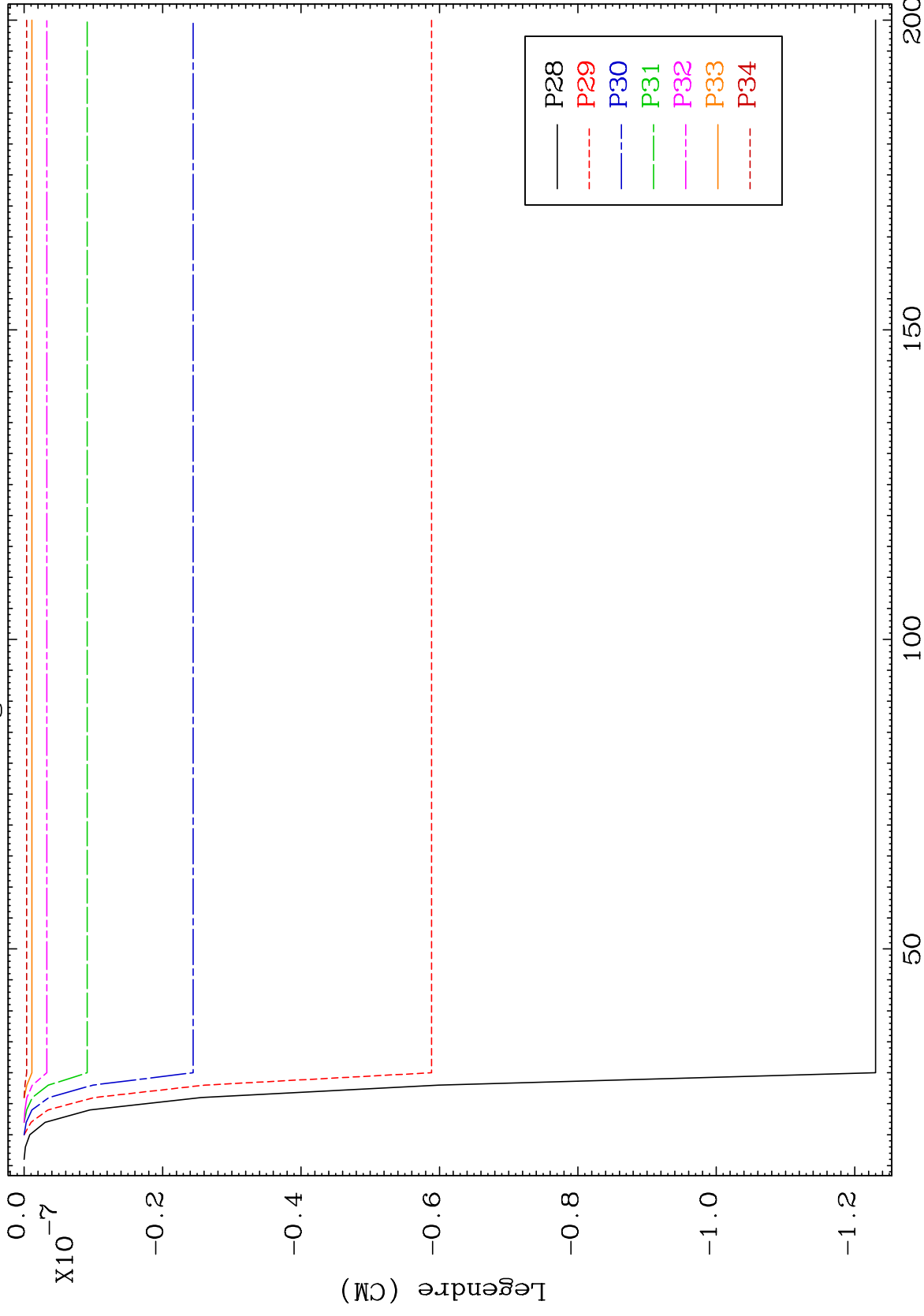
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



51-Sb-124

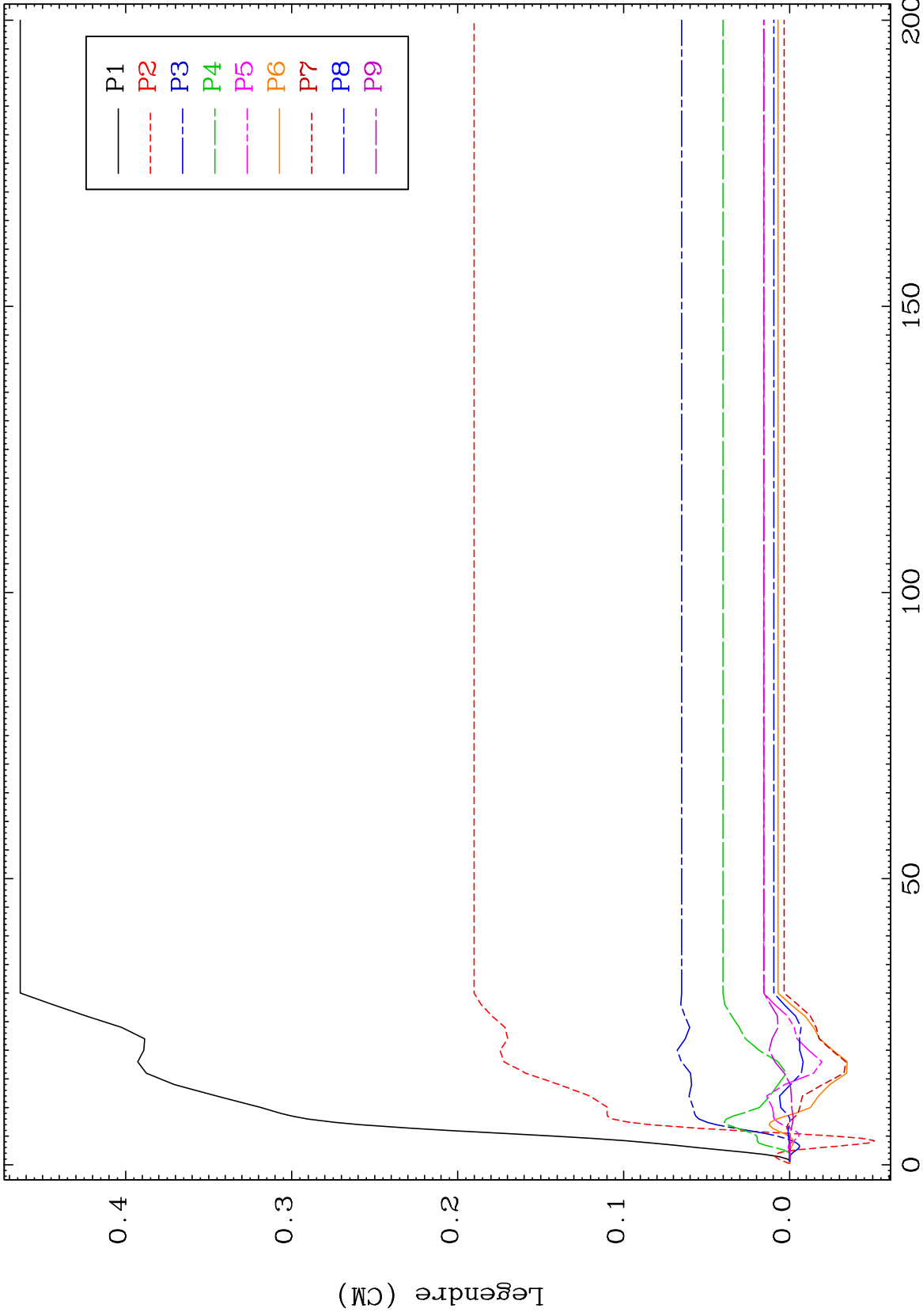
Incident Energy (MeV)

50

MAT 5134

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

51-Sb-124



51

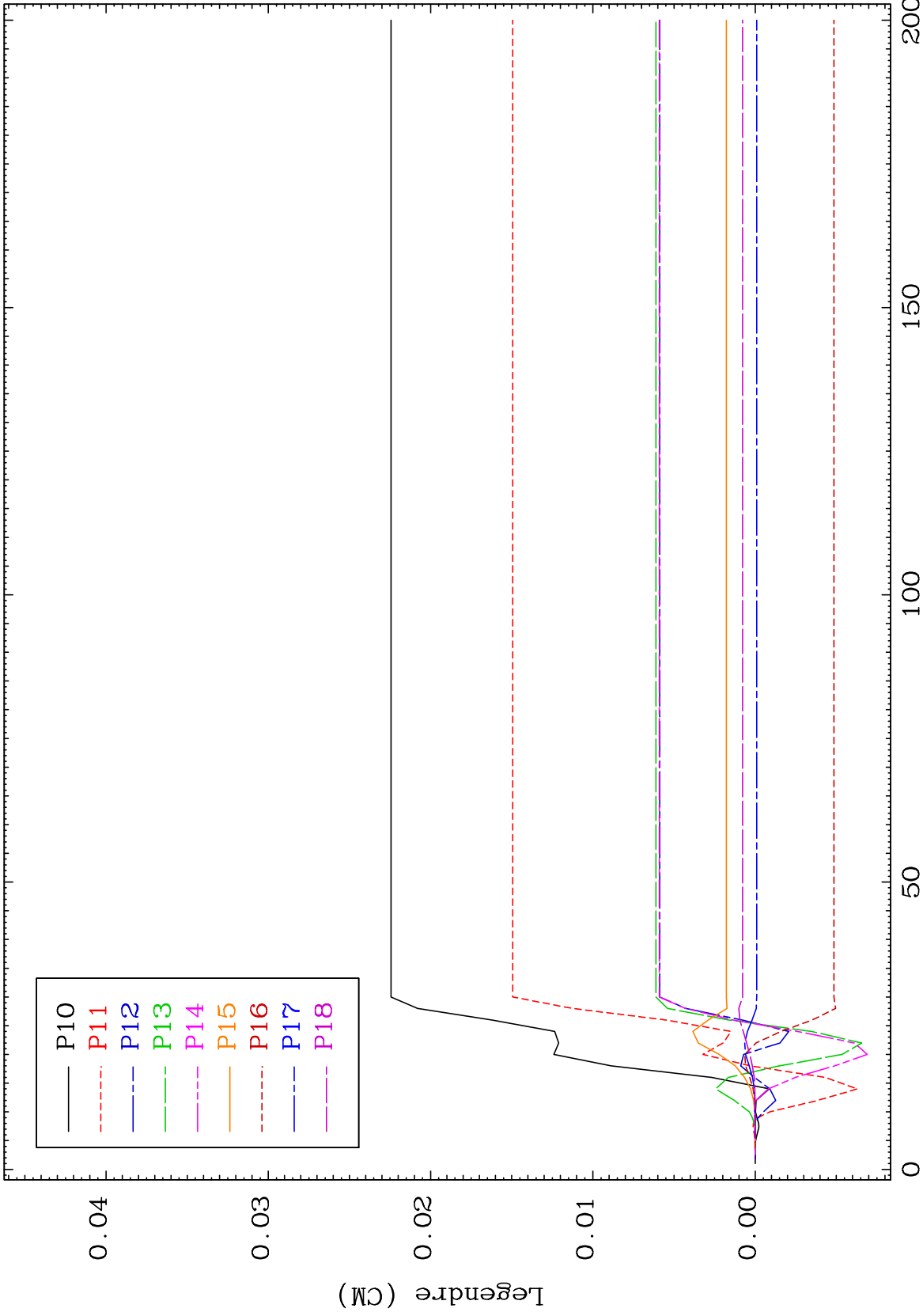
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



52

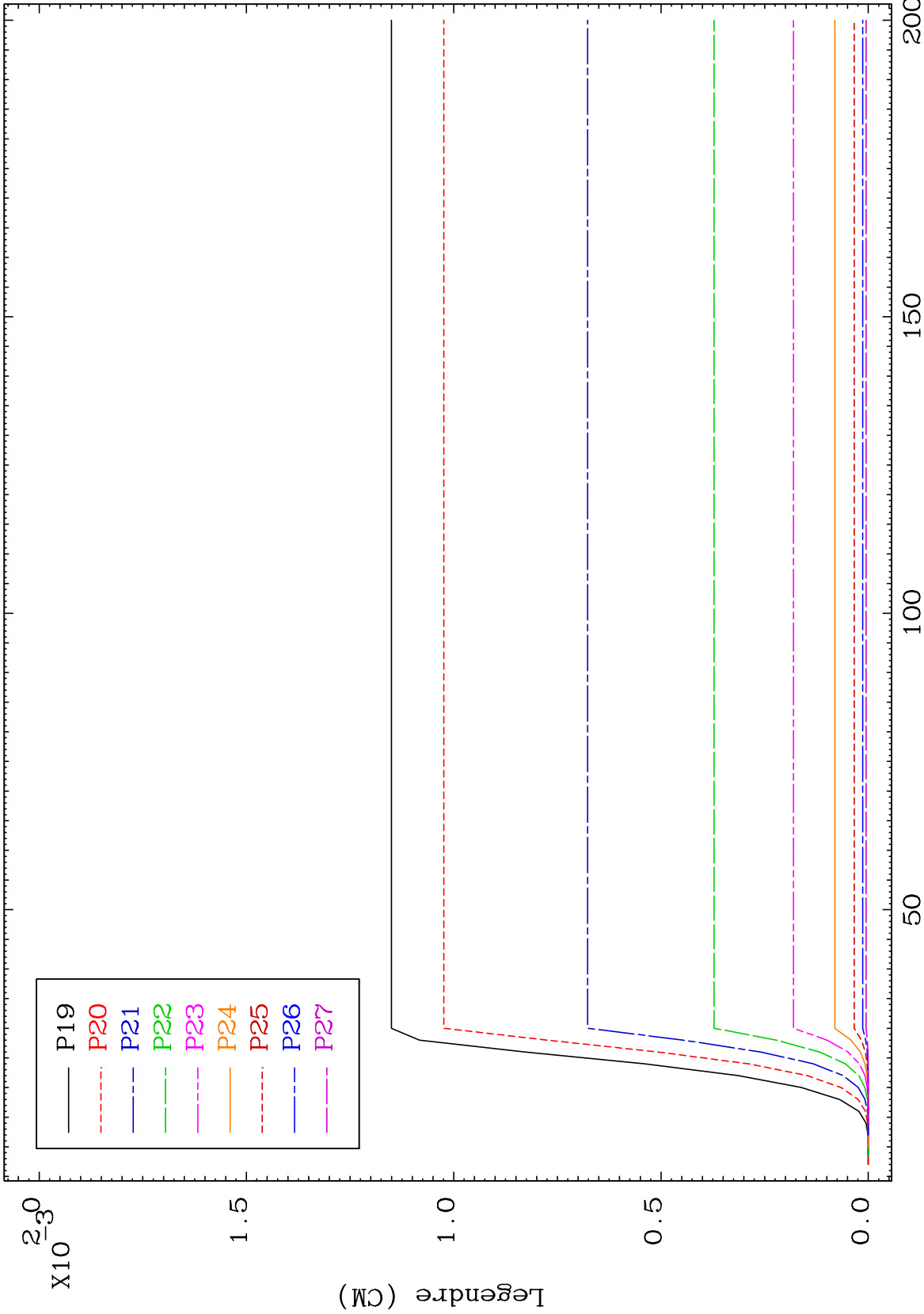
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



53

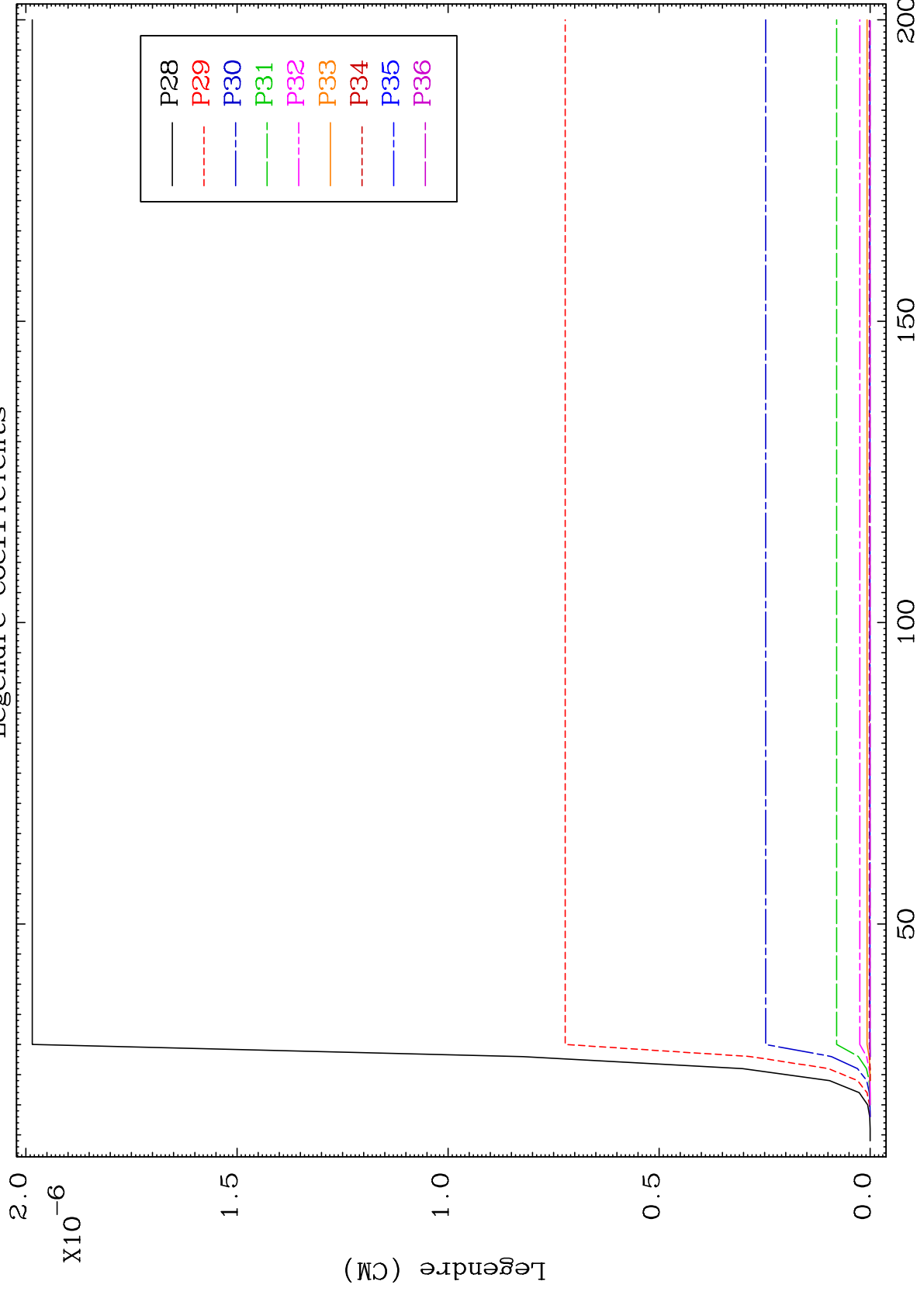
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124

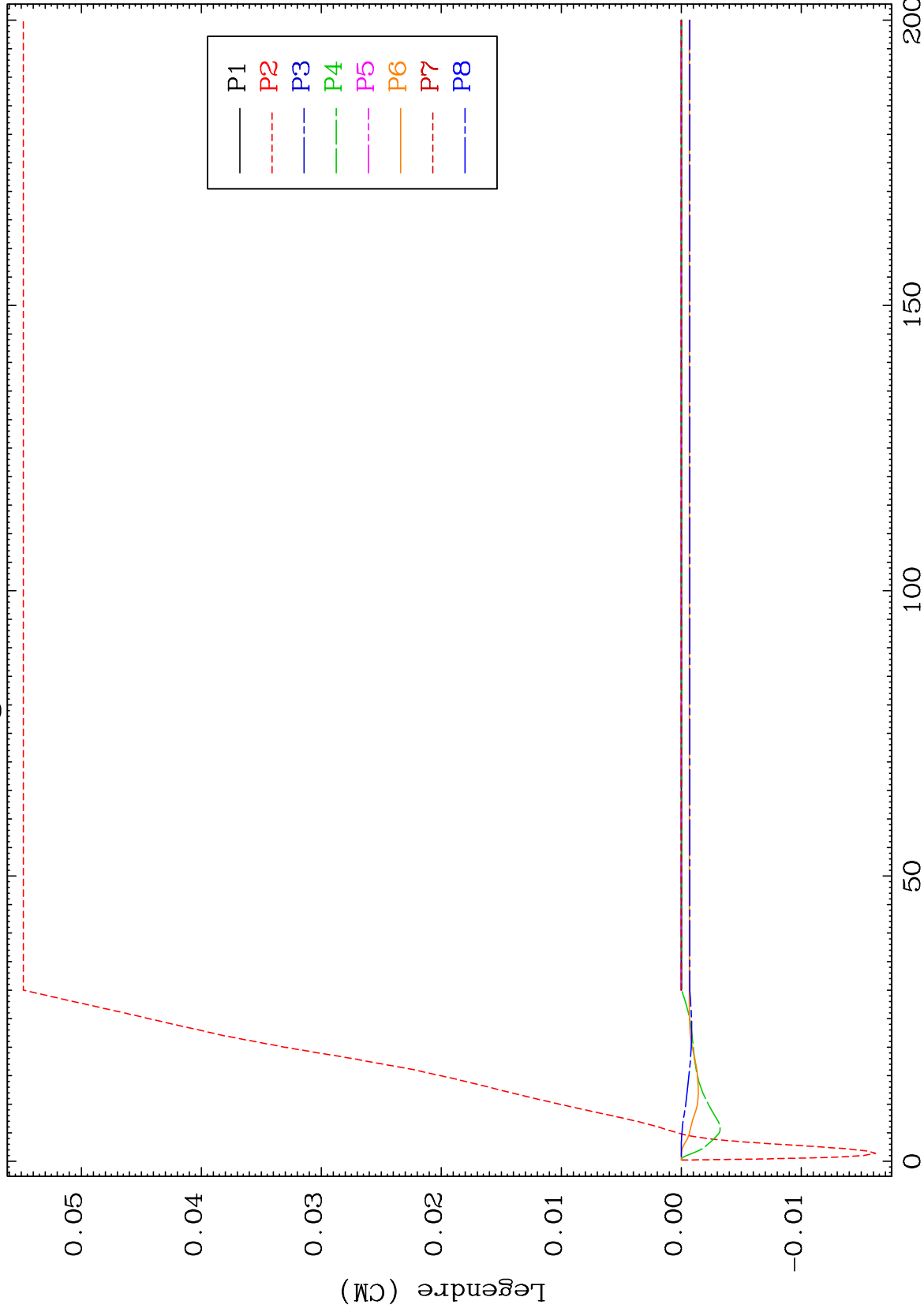


54

MAT 5134

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

51-Sb-124



51-Sb-124

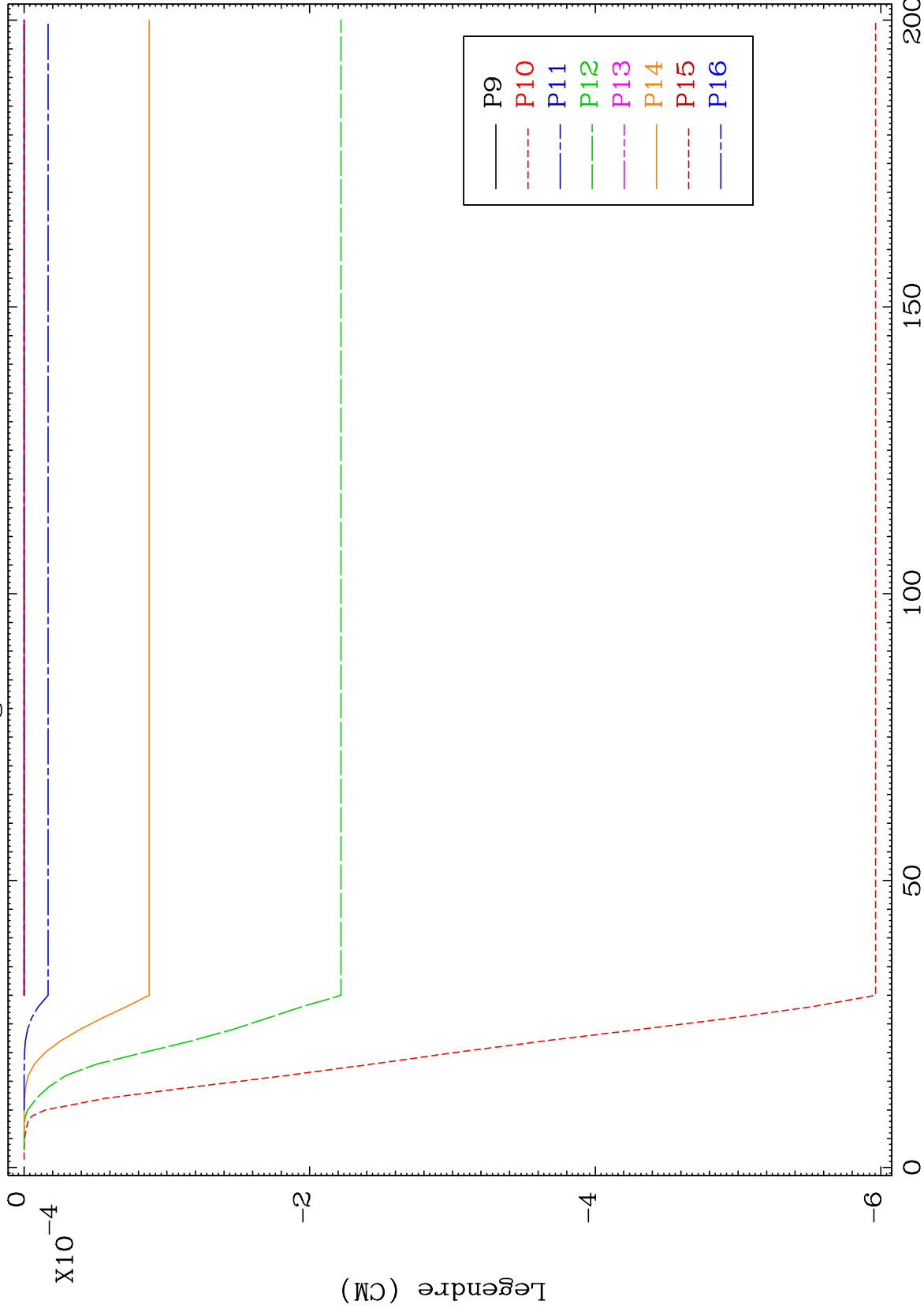
Incident Energy (MeV)

55

MAT 5134

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

51-Sb-124



56

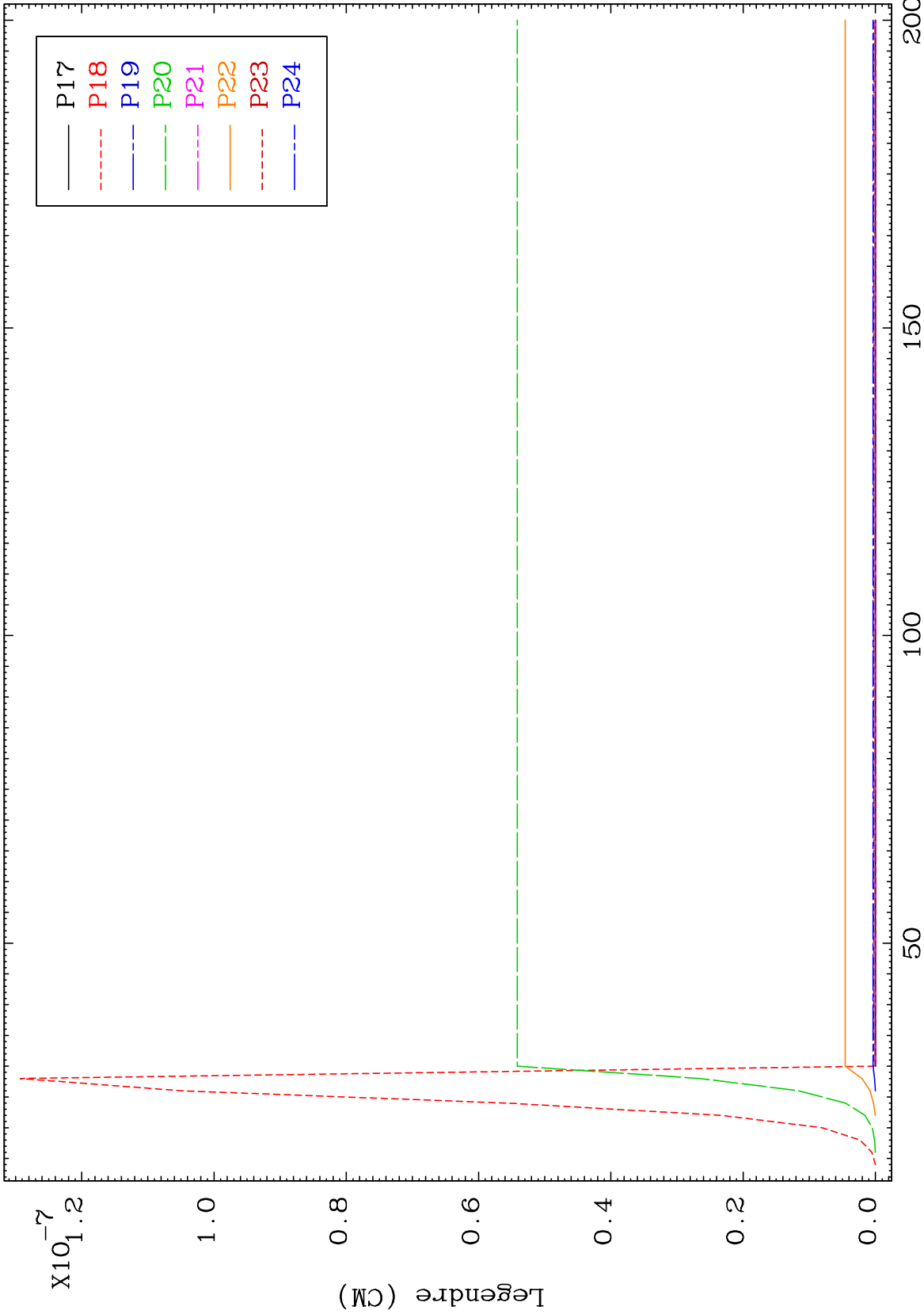
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



57

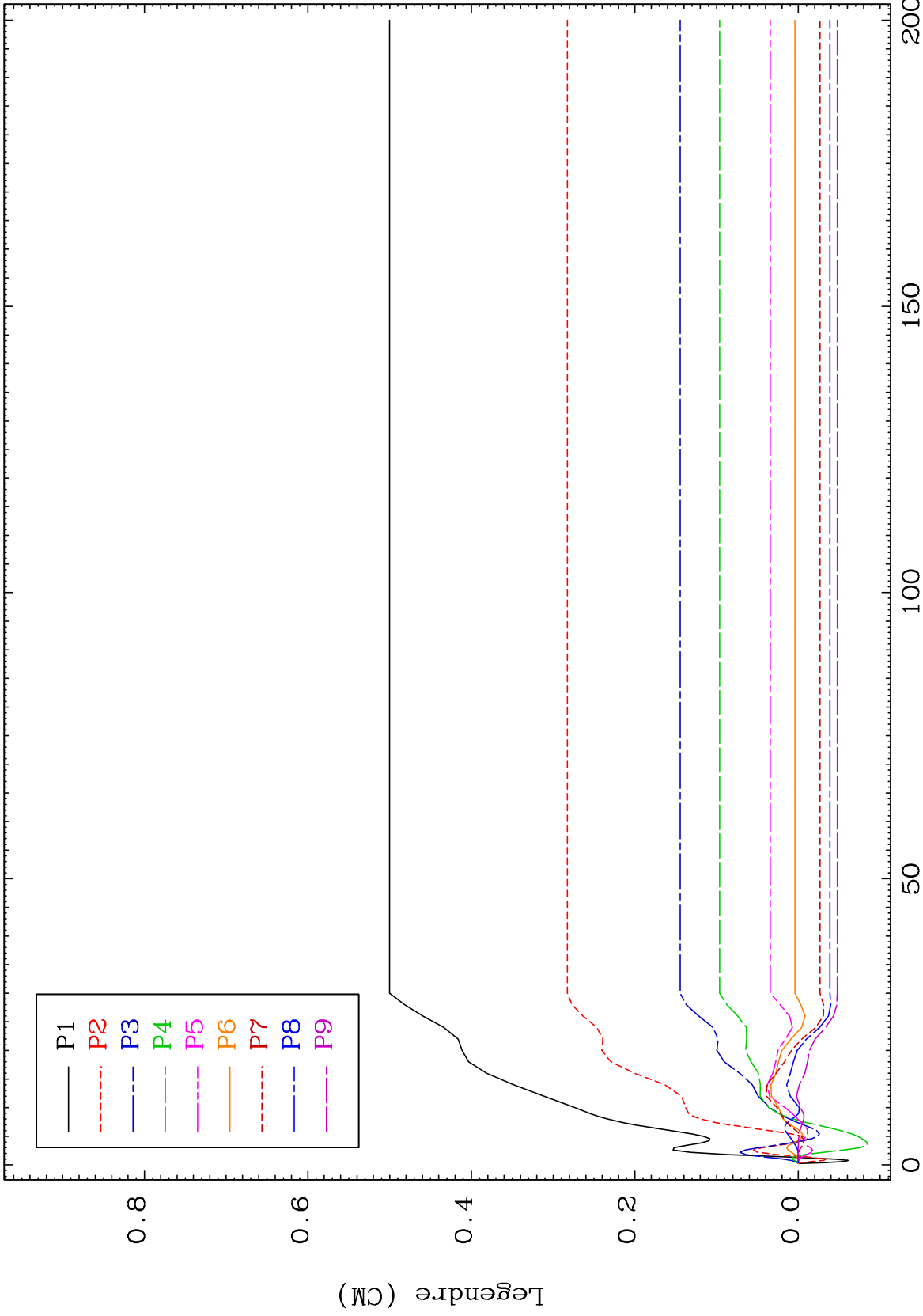
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



58

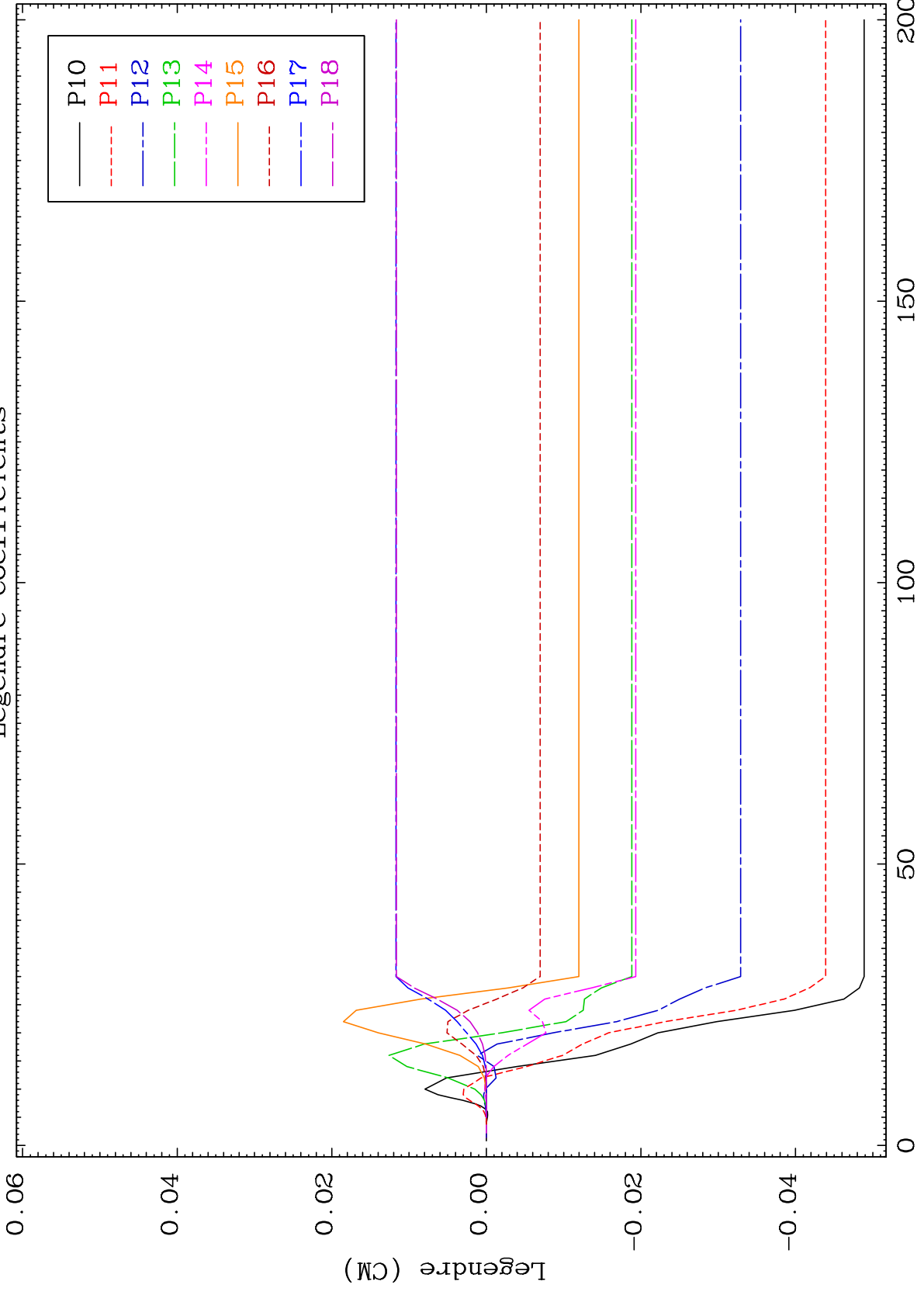
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



59

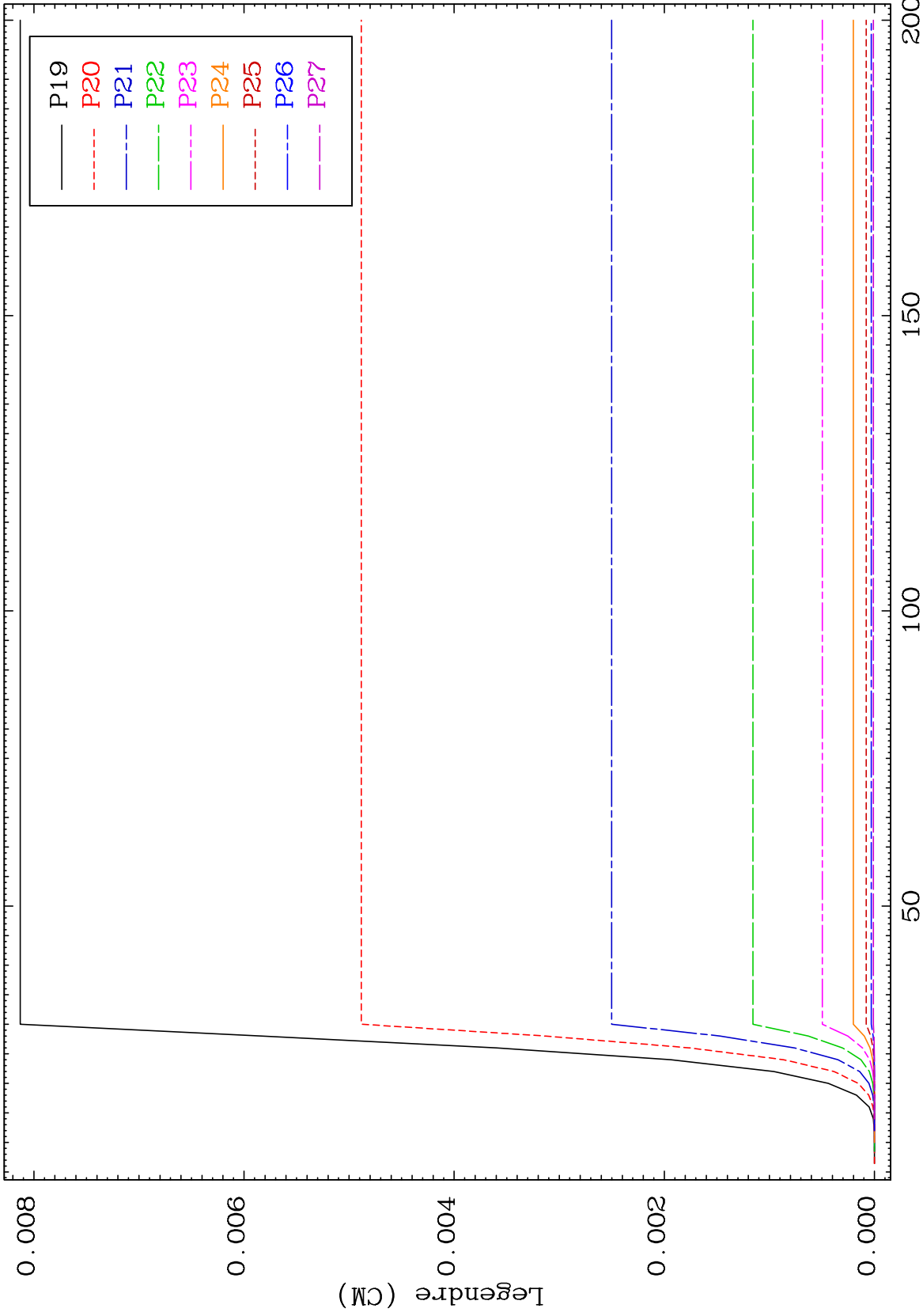
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



60

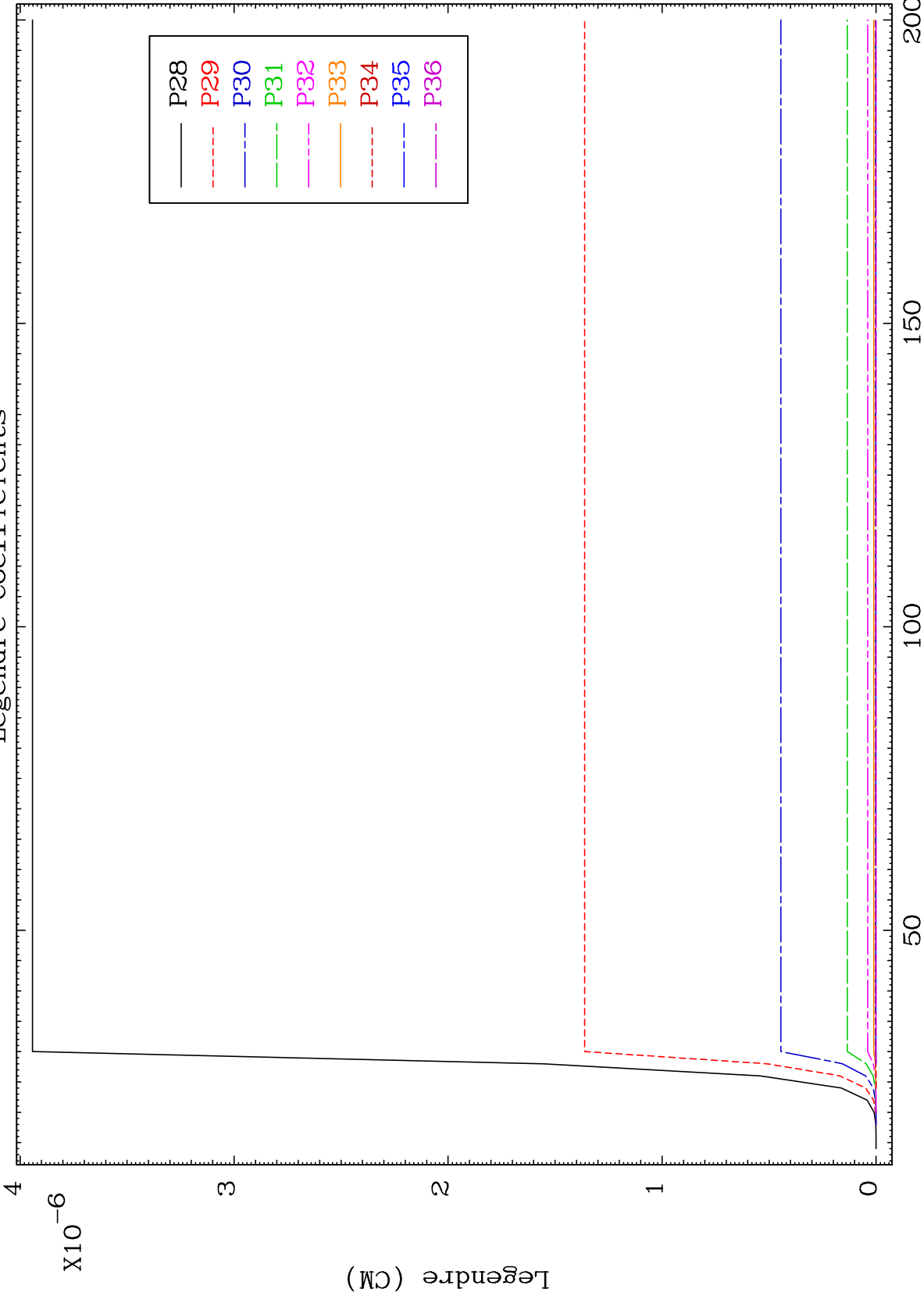
Incident Energy (MeV)

51-Sb-124

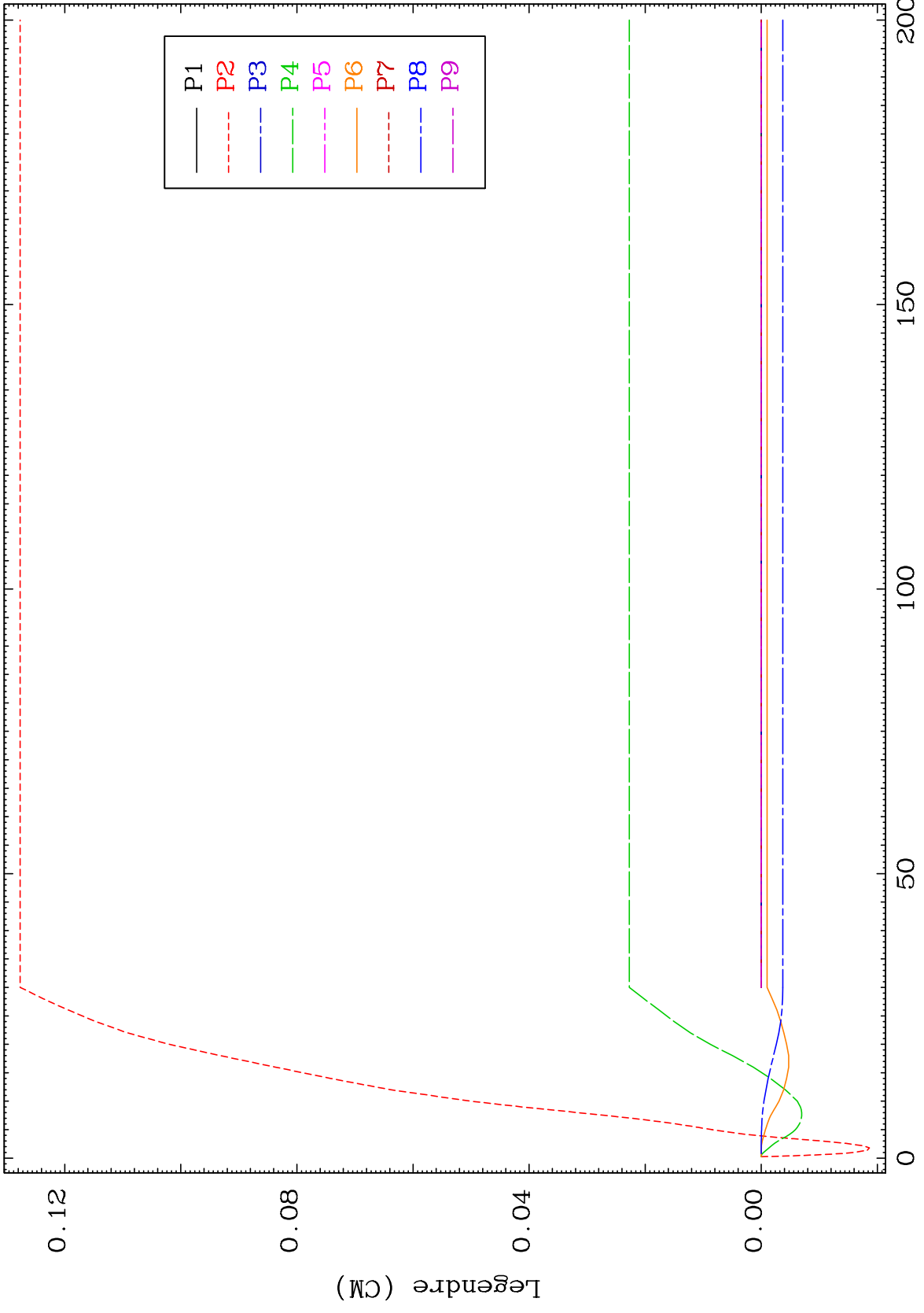
MAT 5134

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

51-Sb-124



MAT 5134 MT= 64 (n,n') Level Legendre Coefficients 51-Sb-124

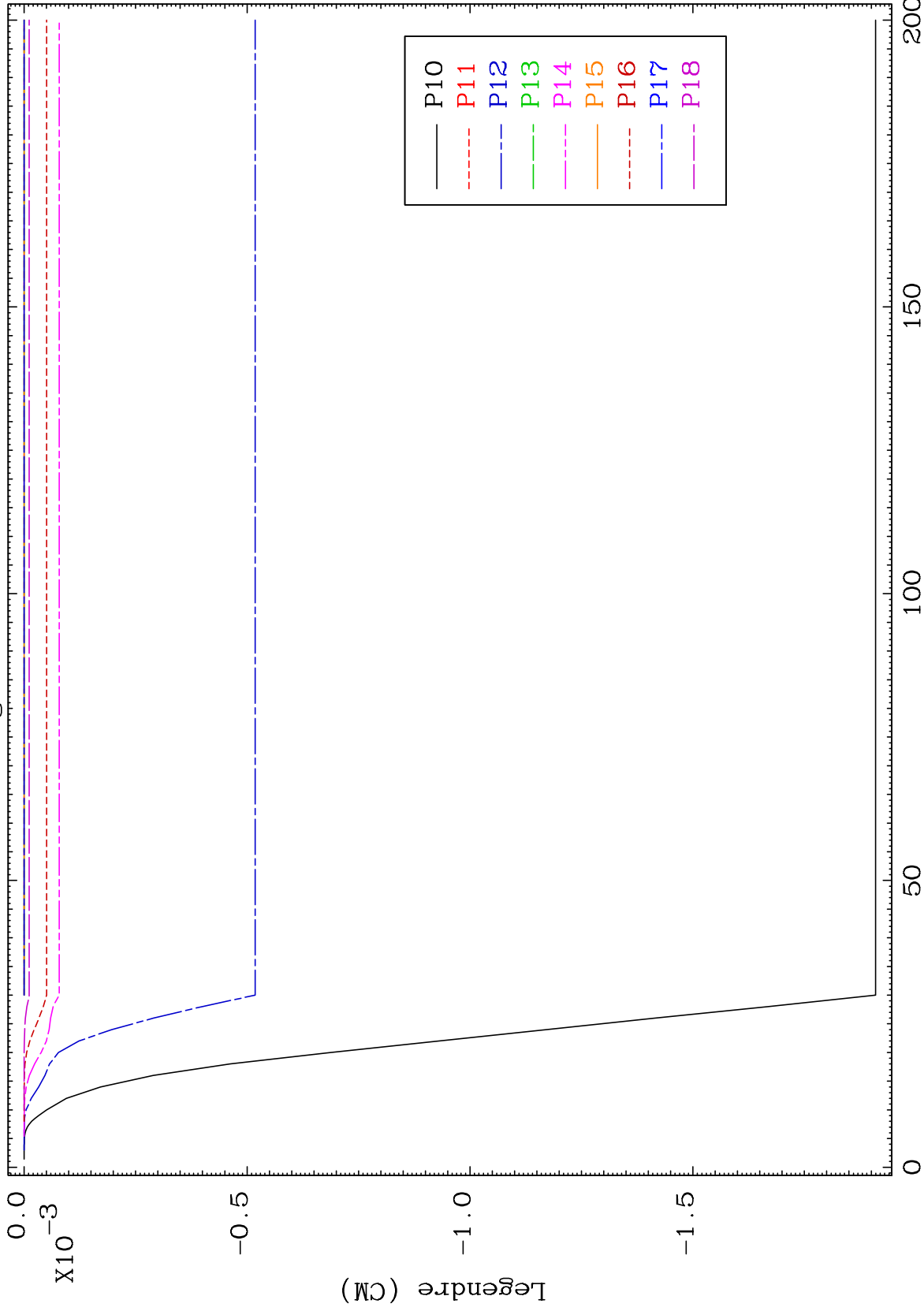


62 51-Sb-124

MAT 5134

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

51-Sb-124

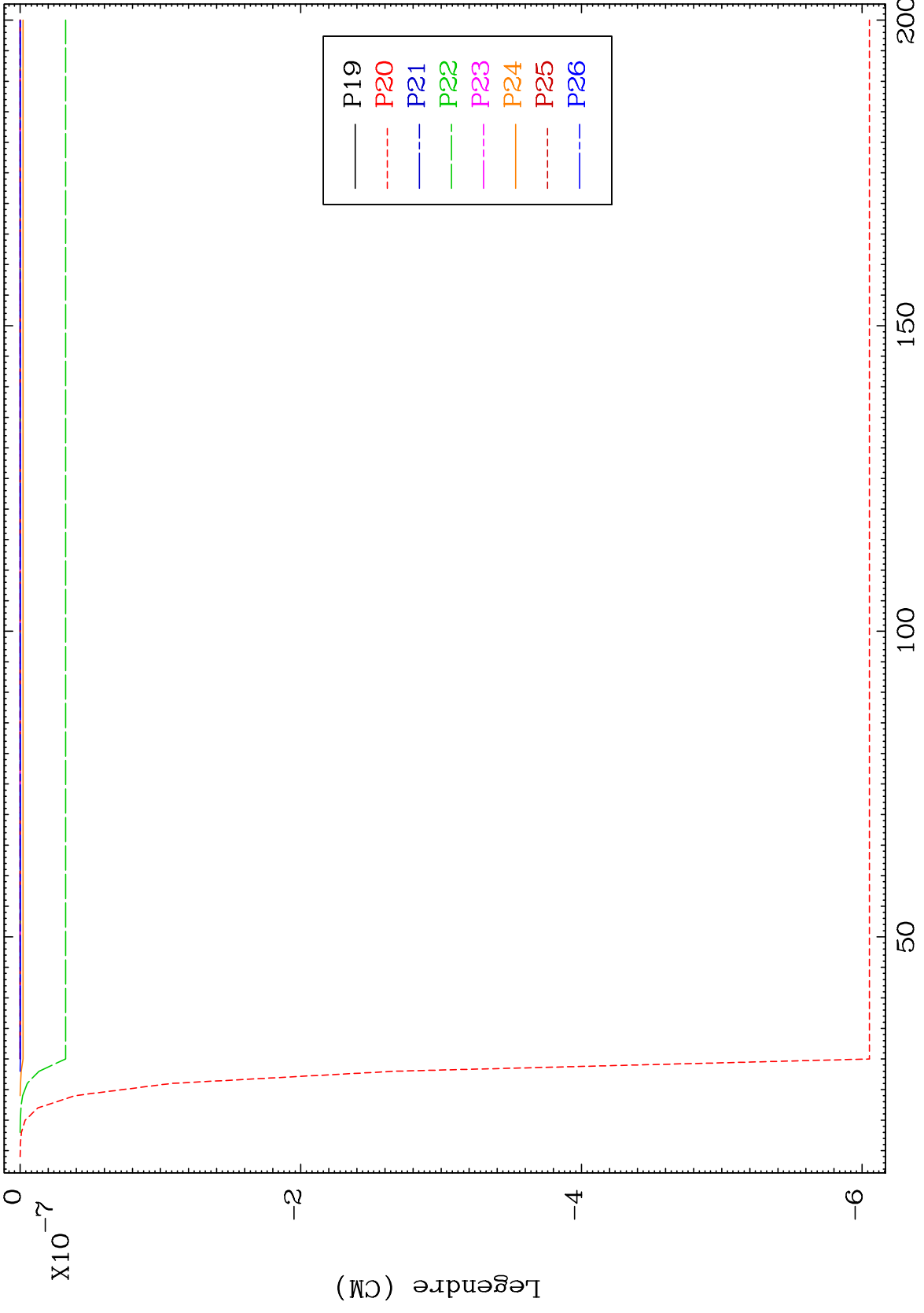


63

Incident Energy (MeV)

51-Sb-124

MAT 5134 MT= 64 (n,n') Level Legendre Coefficients 51-Sb-124

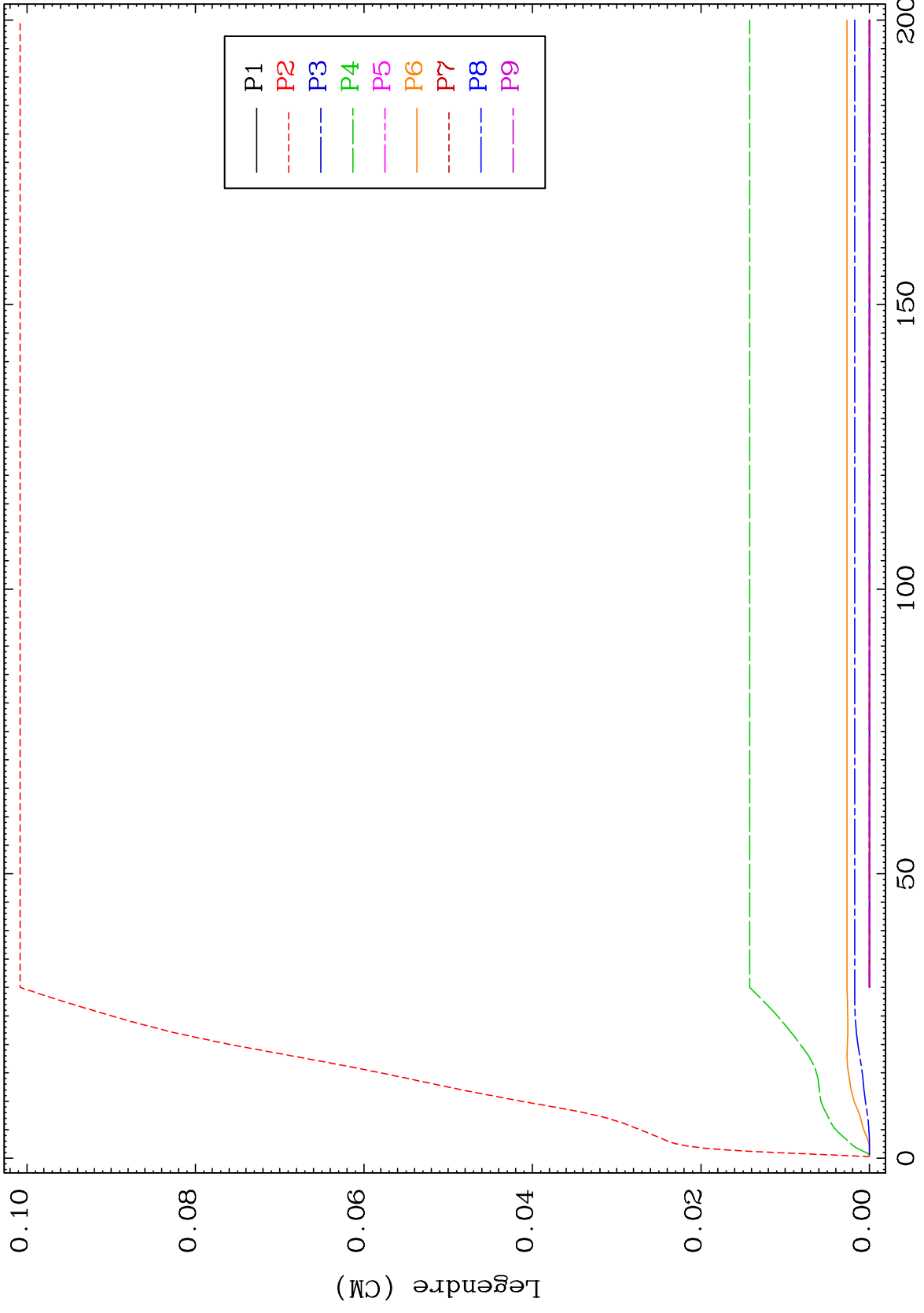


64 51-Sb-124

MAT 5134

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

51-Sb-124



65

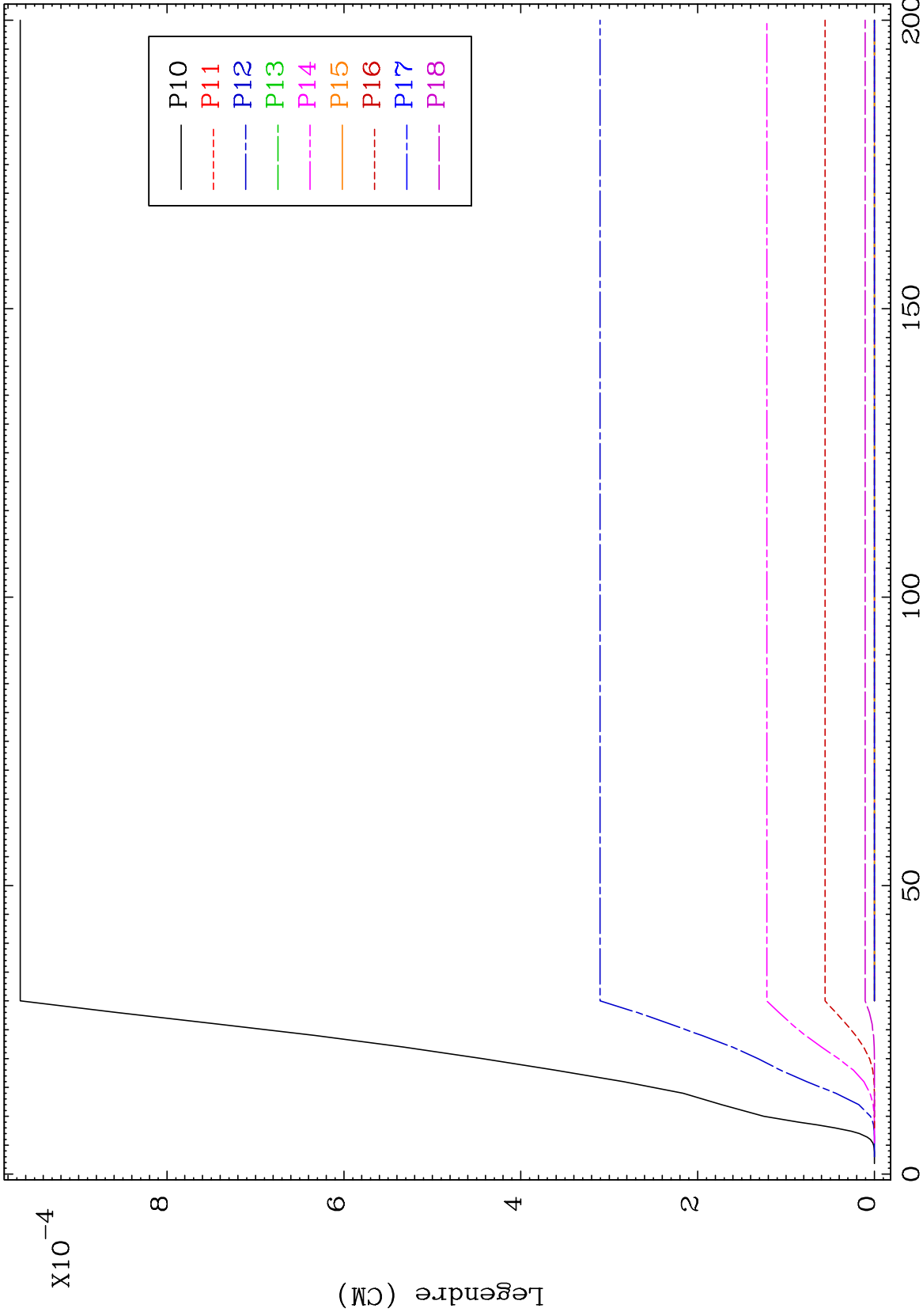
Incident Energy (MeV)

51-Sb-124

MAT 5134

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

51-Sb-124



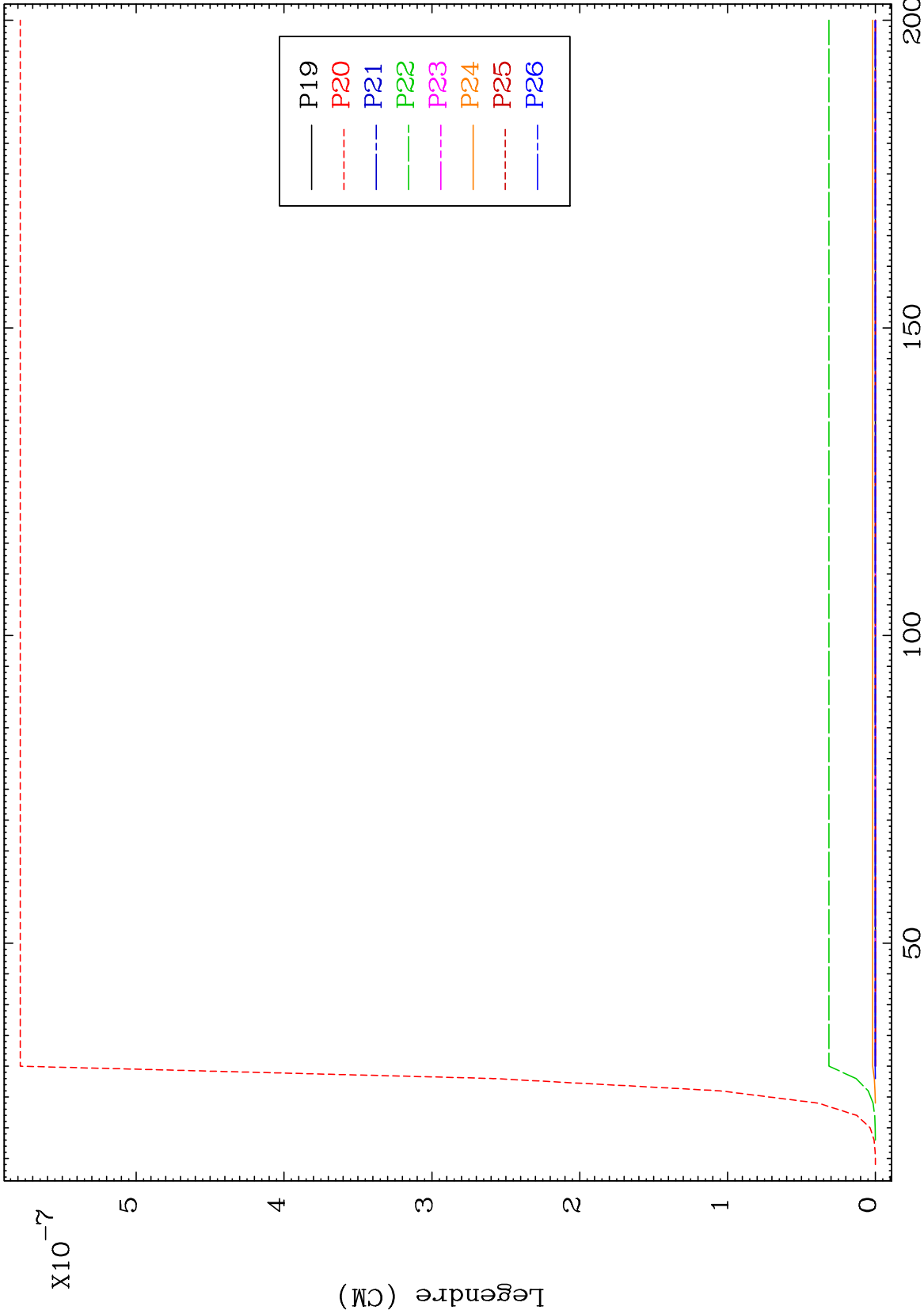
66

51-Sb-124

MAT 5134

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

51-Sb-124



67

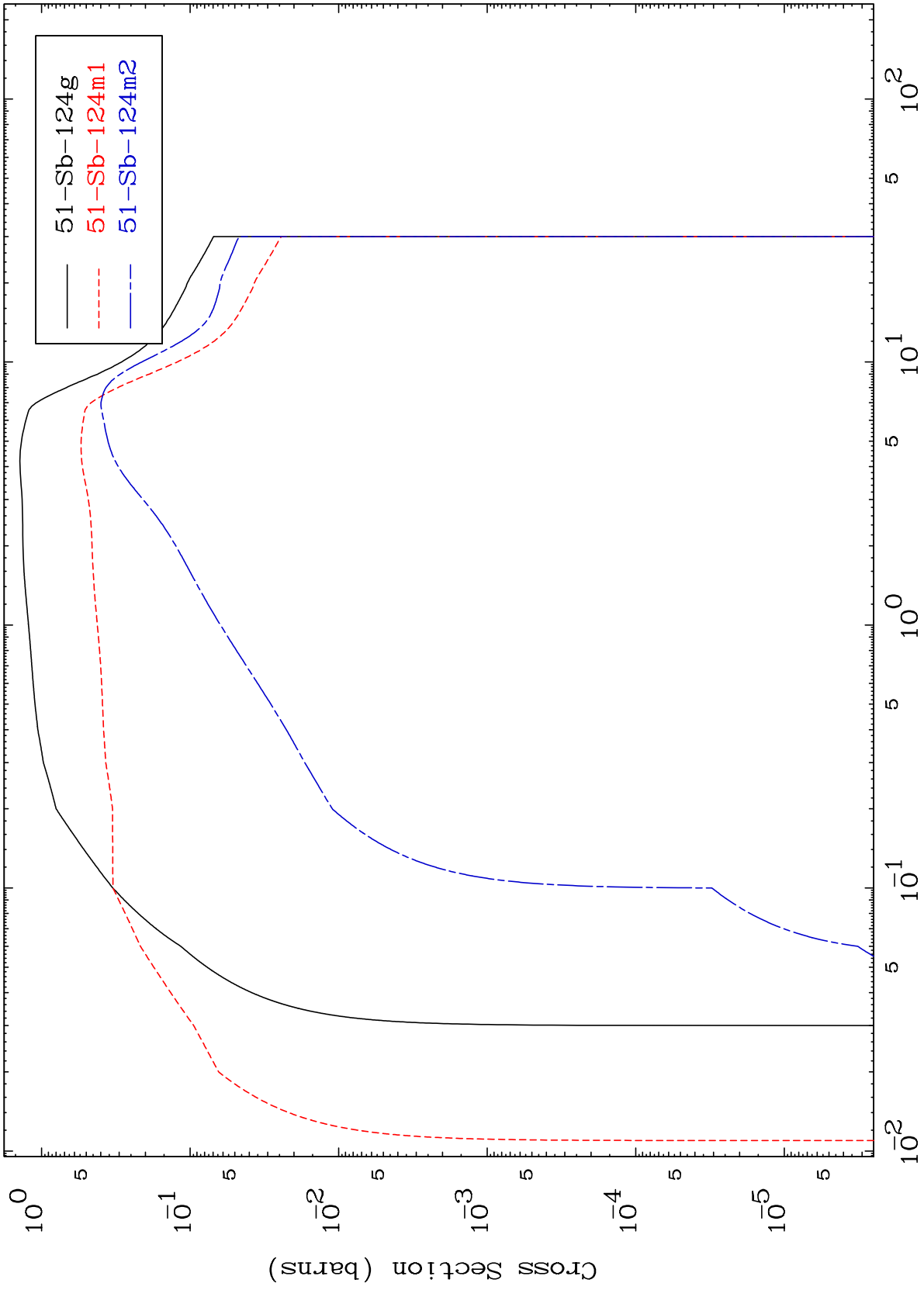
Incident Energy (MeV)

51-Sb-124

MAT 5134

51-Sb-124

Inelastic Radionuclide Production Cross Section



68

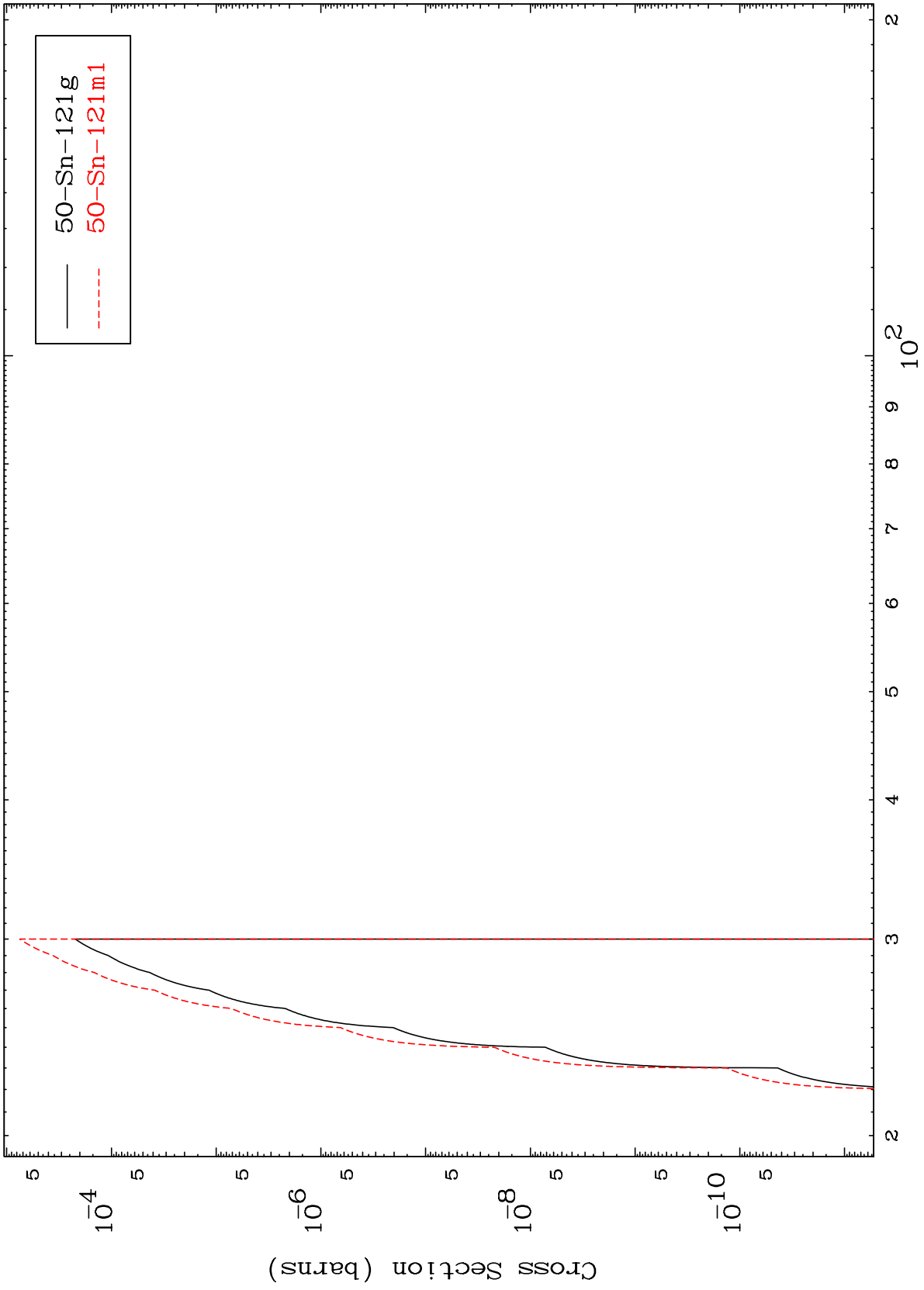
51-Sb-124

MAT 5134

(n,2n) d

51-Sb-124

Radionuclide Production Cross Section



69

Incident Energy (MeV)

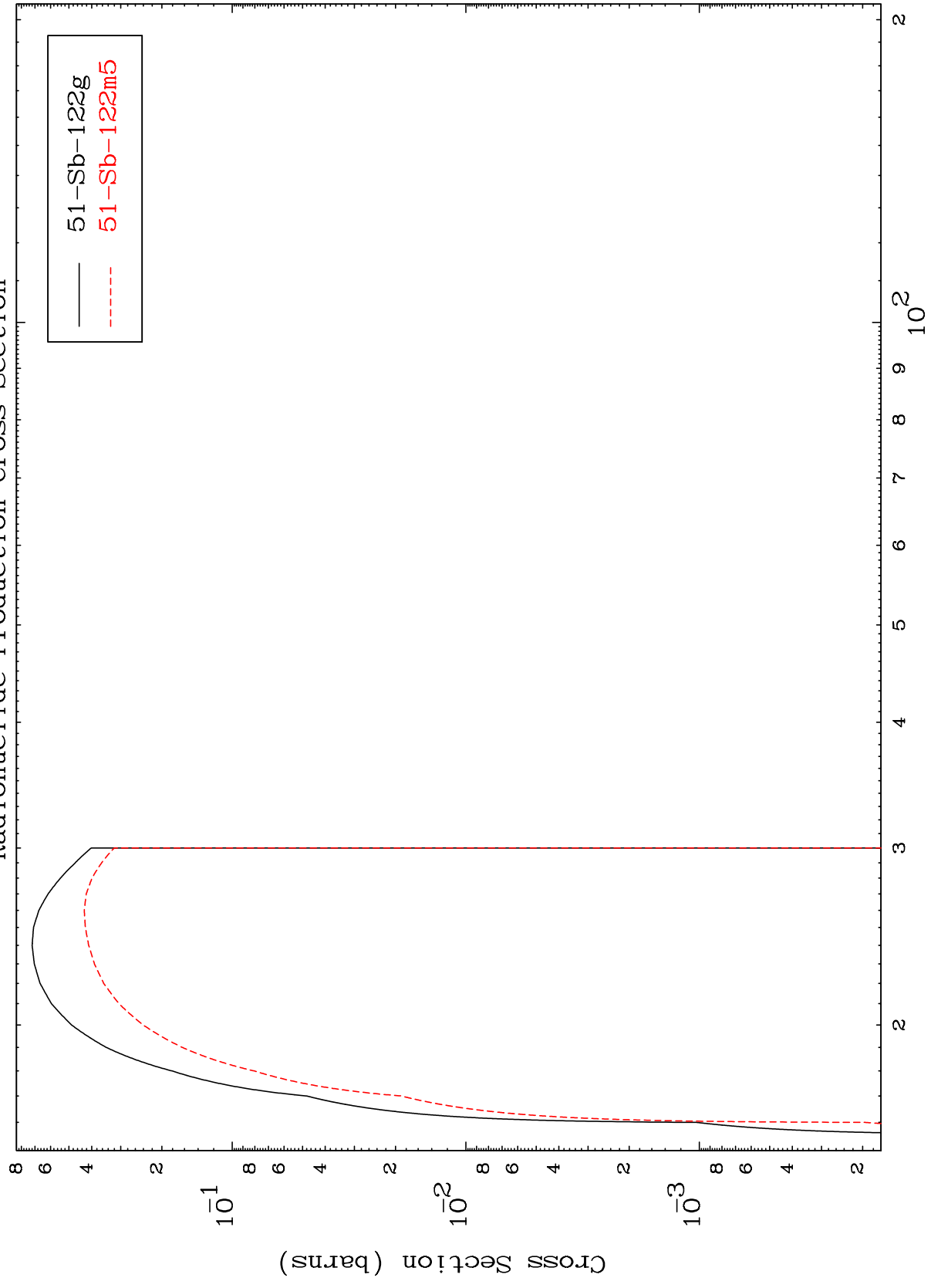
51-Sb-124

MAT 5134

(n,3n)

51-Sb-124

Radionuclide Production Cross Section



70

Incident Energy (MeV)

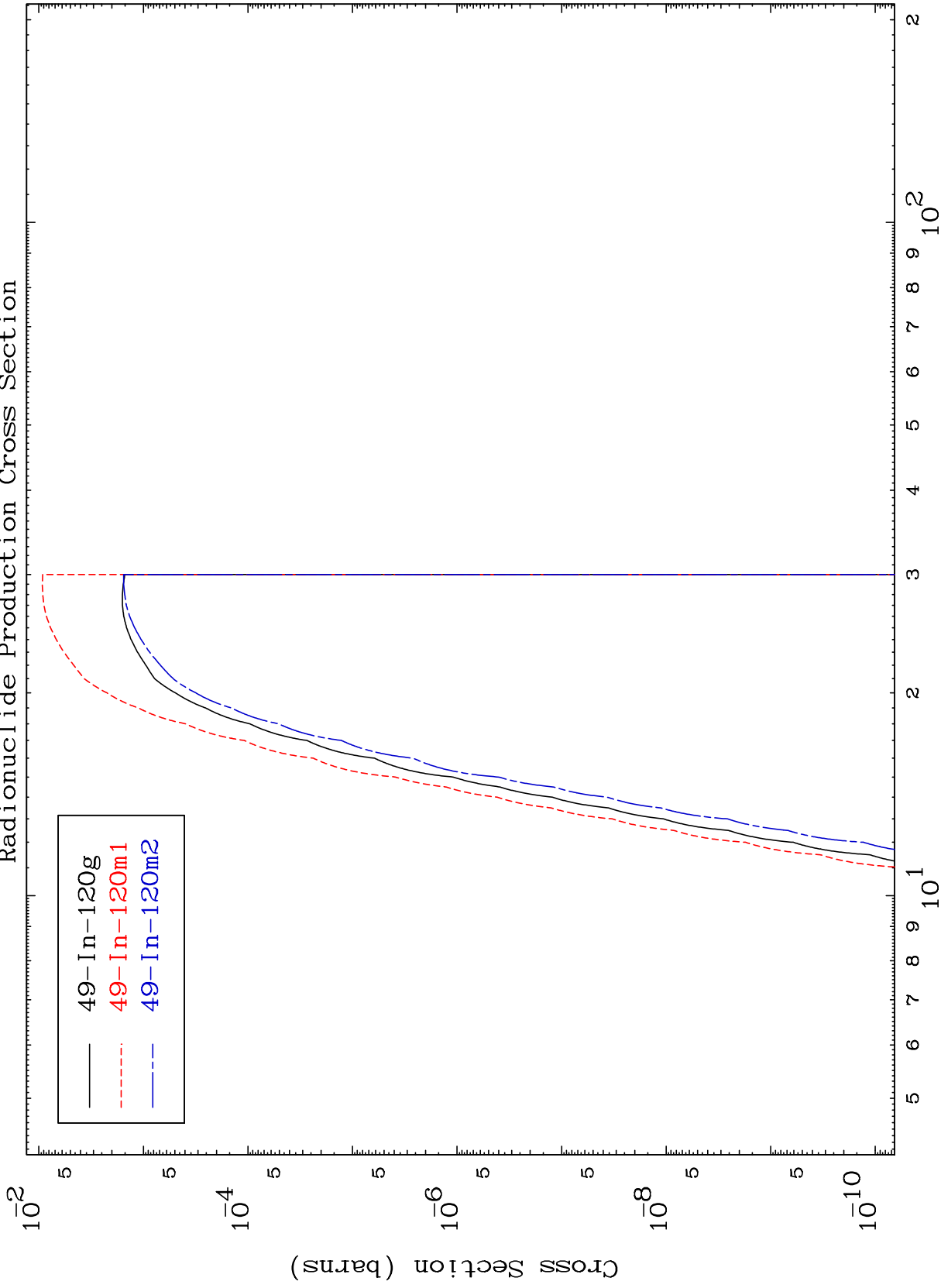
51-Sb-124

MAT 5134

(n,n') α

51-Sb-124

Radionuclide Production Cross Section



71

Incident Energy (MeV)

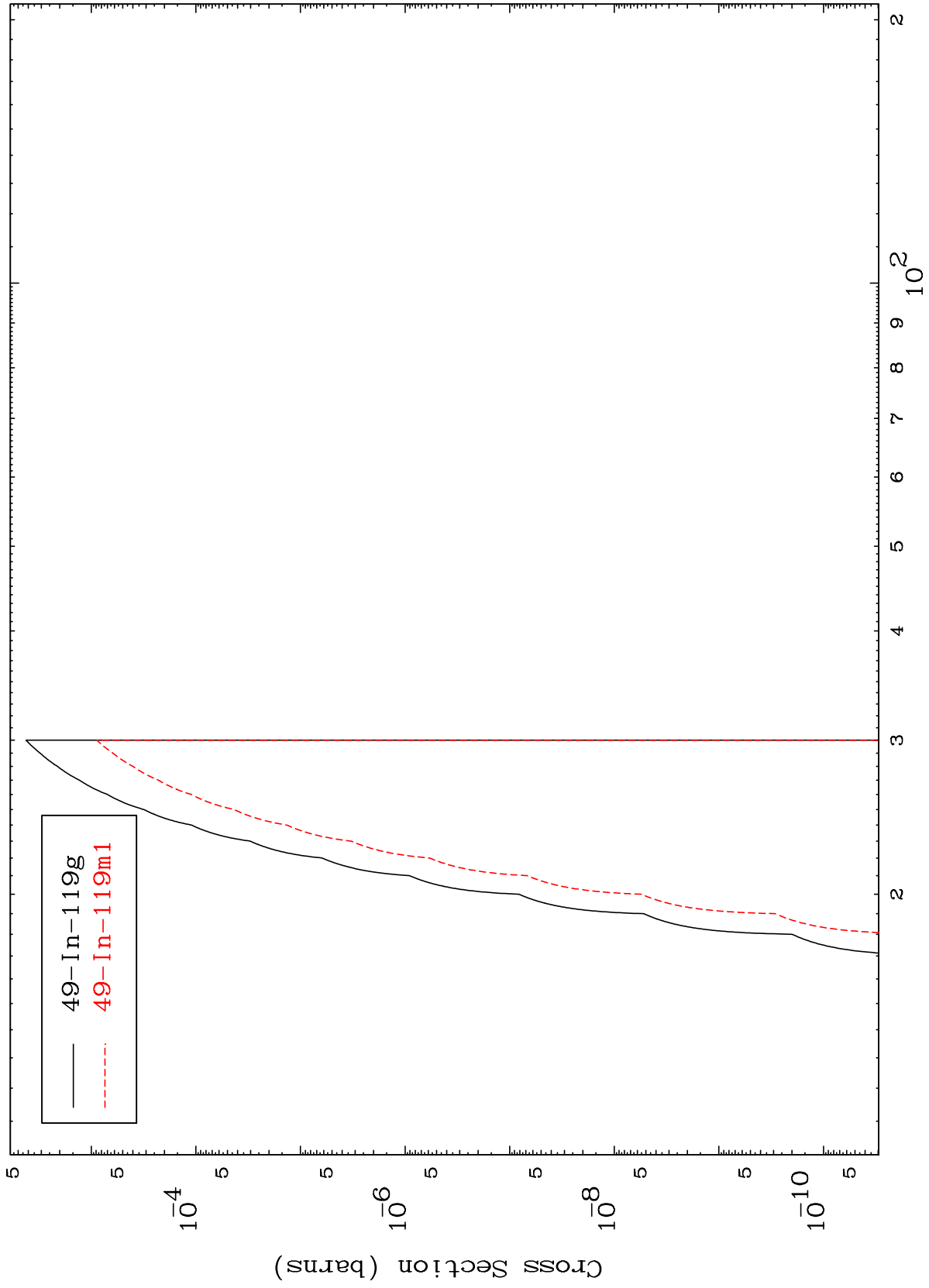
51-Sb-124

MAT 5134

(n,2n) α

51-Sb-124

Radionuclide Production Cross Section



72

Incident Energy (MeV)

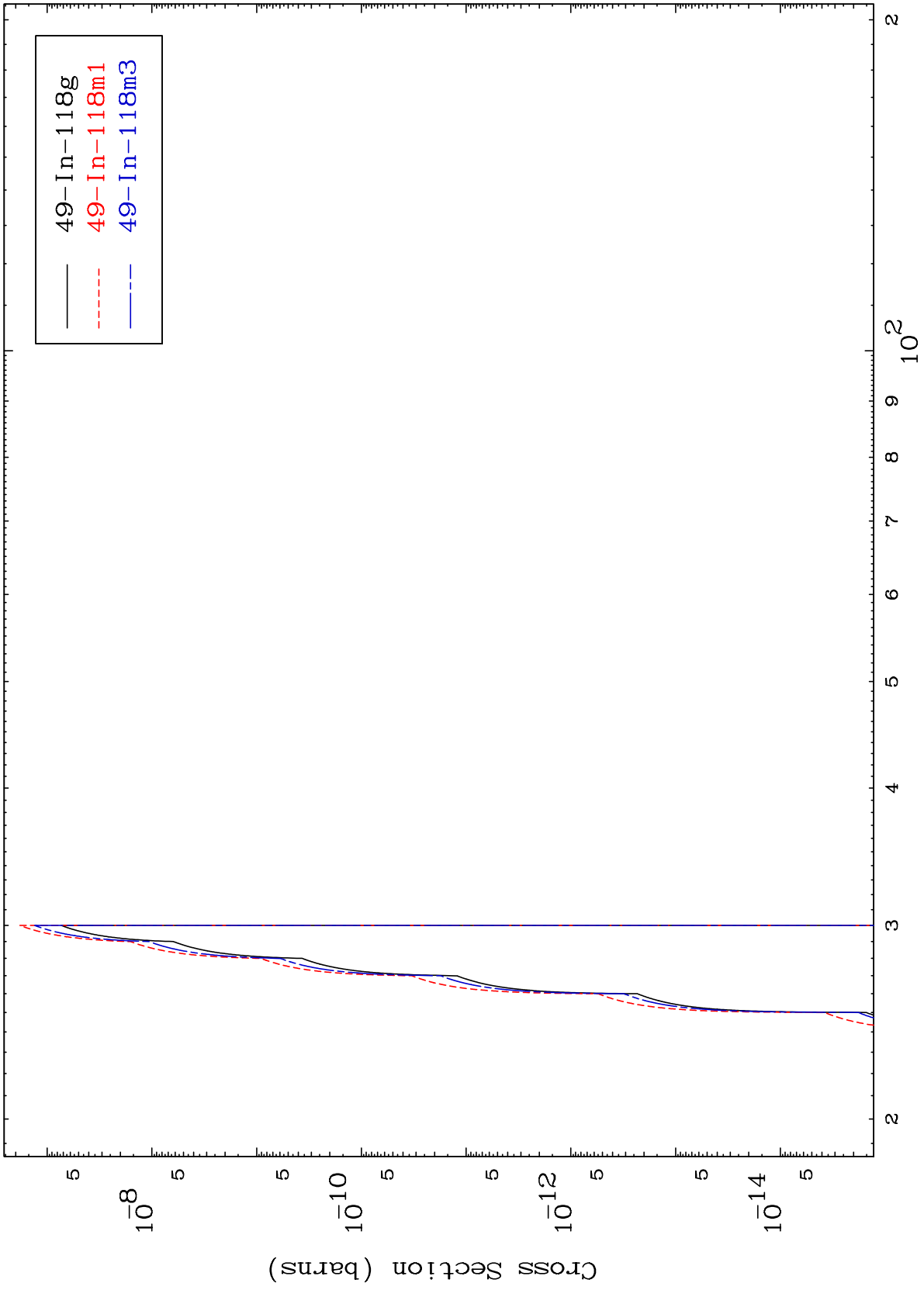
51-Sb-124

MAT 5134

(n,3n) α

51-Sb-124

Radionuclide Production Cross Section



73

Incident Energy (MeV)

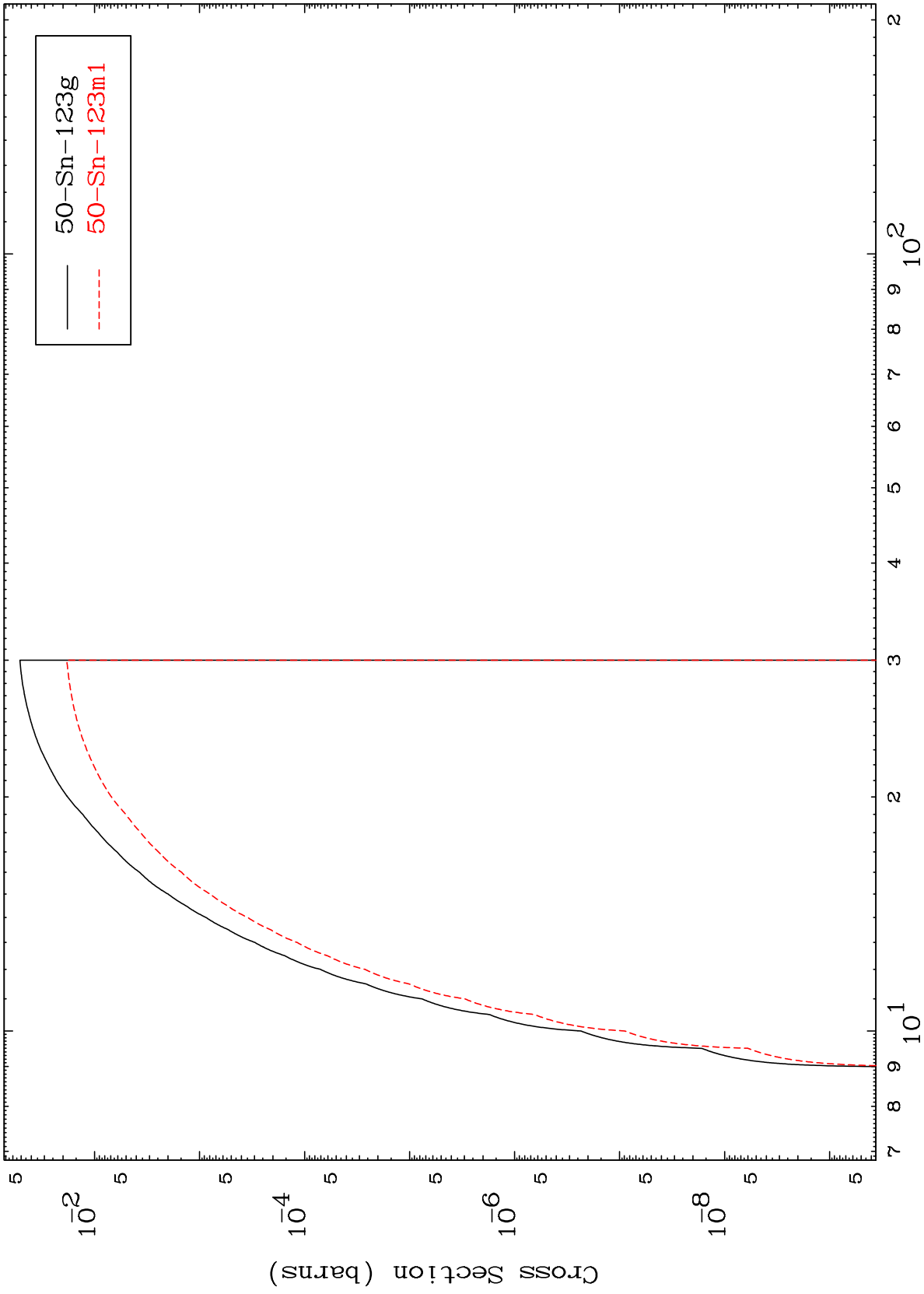
51-Sb-124

MAT 5134

(n,n') p

51-Sb-124

Radionuclide Production Cross Section



74

Incident Energy (MeV)

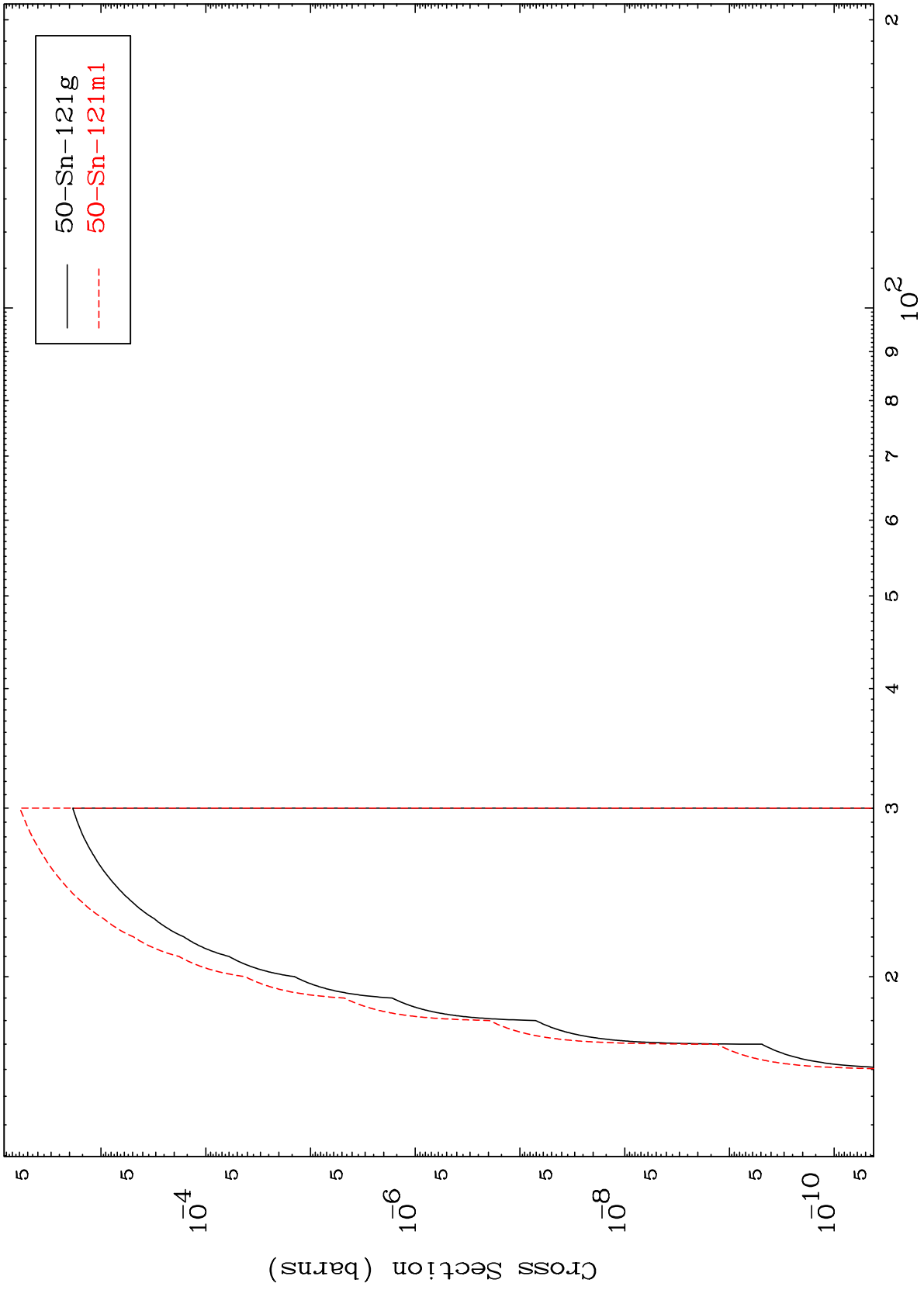
51-Sb-124

MAT 5134

(n,n') t

51-Sb-124

Radionuclide Production Cross Section



75

Incident Energy (MeV)

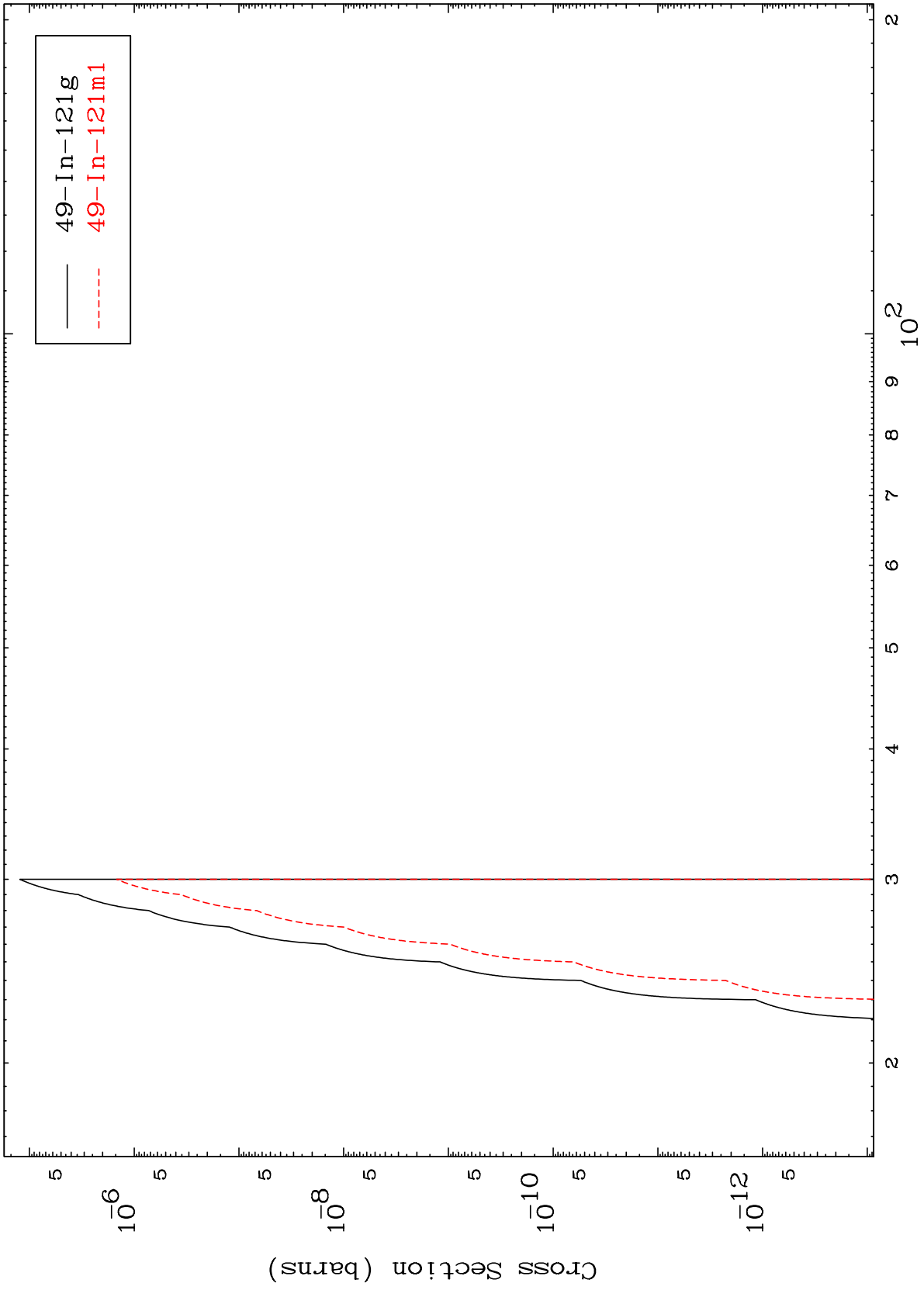
51-Sb-124

MAT 5134

(n, n') He-3

51-Sb-124

Radionuclide Production Cross Section



76

Incident Energy (MeV)

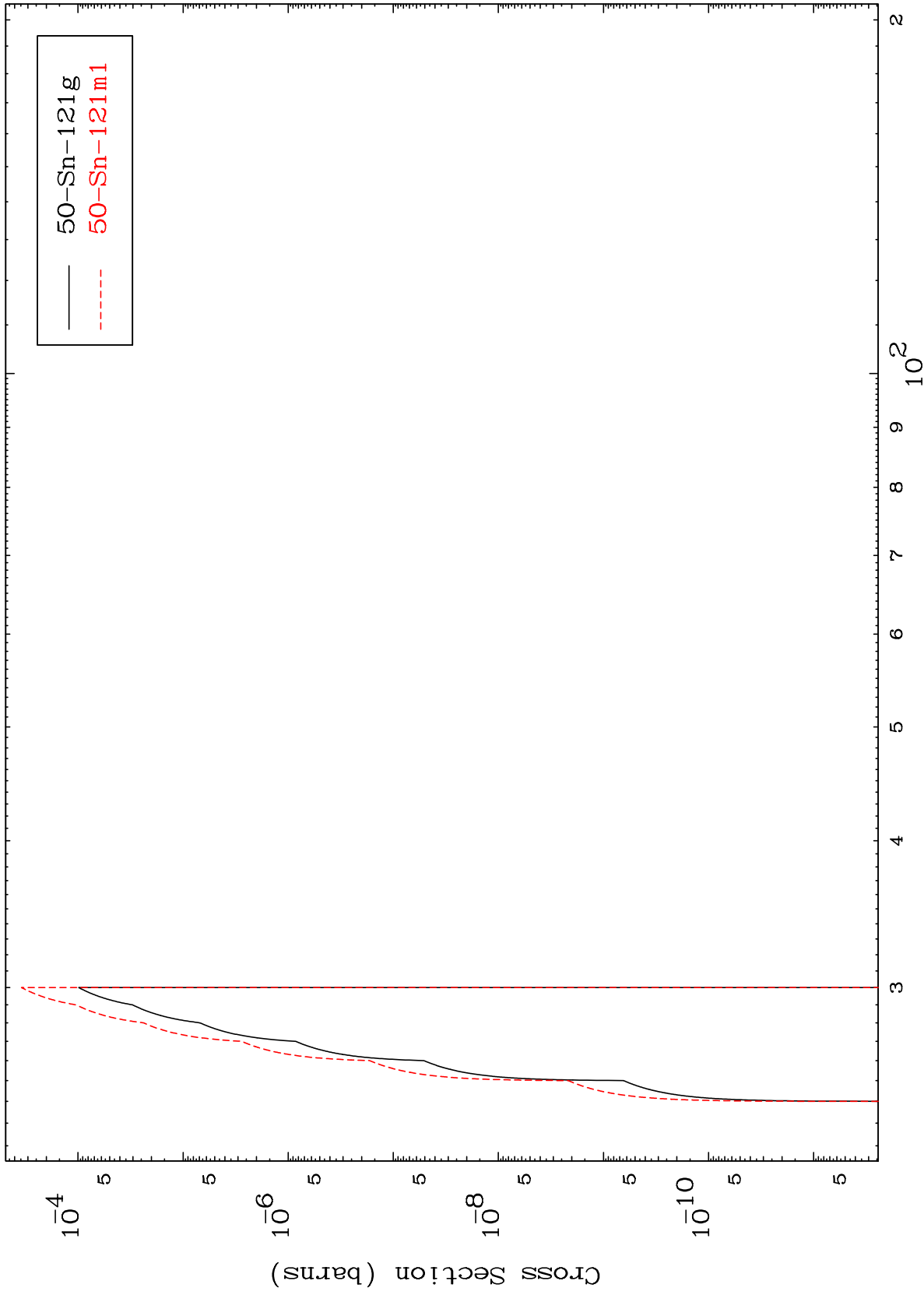
51-Sb-124

MAT 5134

(n,3n) p

51-Sb-124

Radionuclide Production Cross Section



77

Incident Energy (MeV)

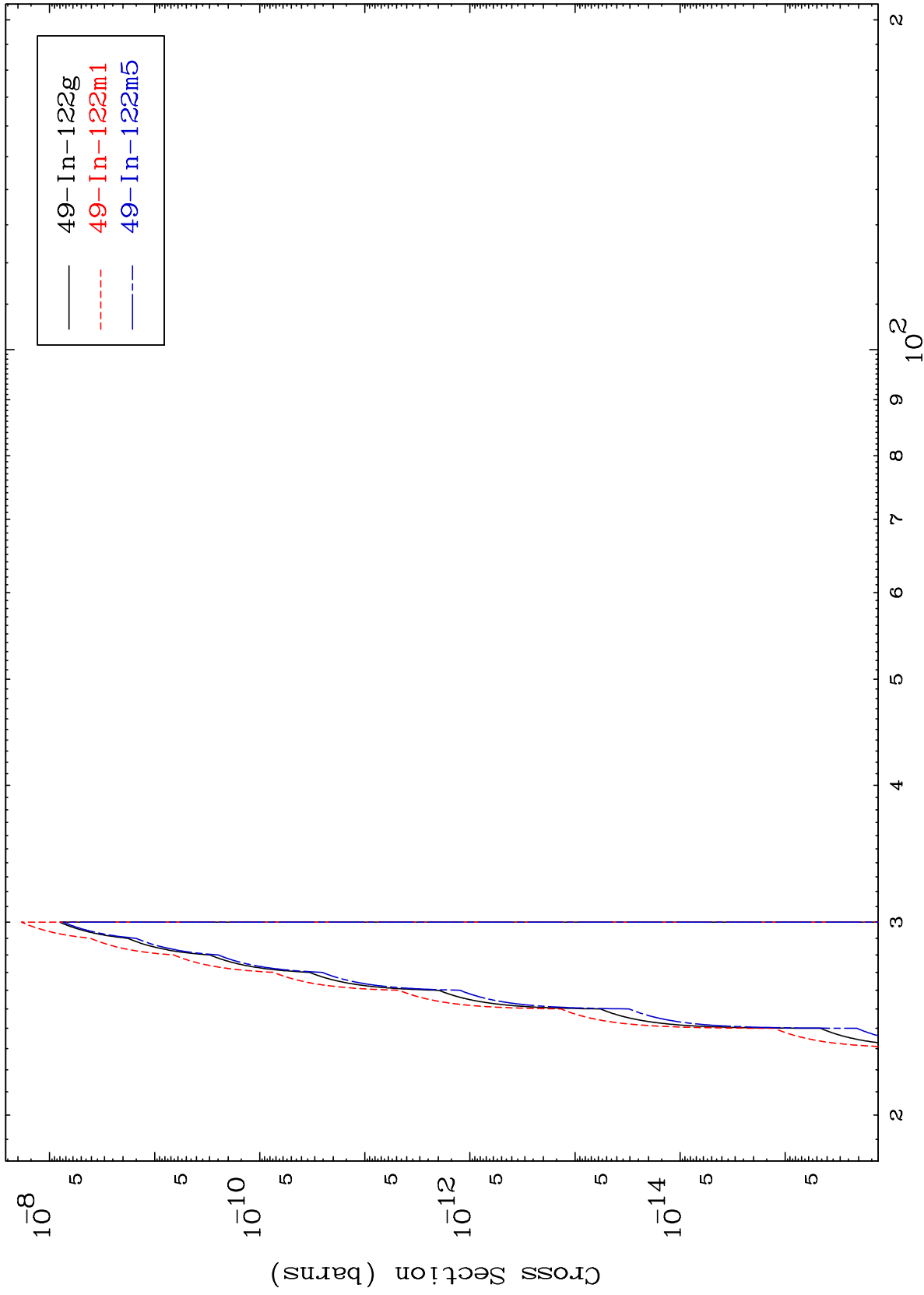
51-Sb-124

MAT 5134

(n,2n) p

51-Sb-124

Radionuclide Production Cross Section

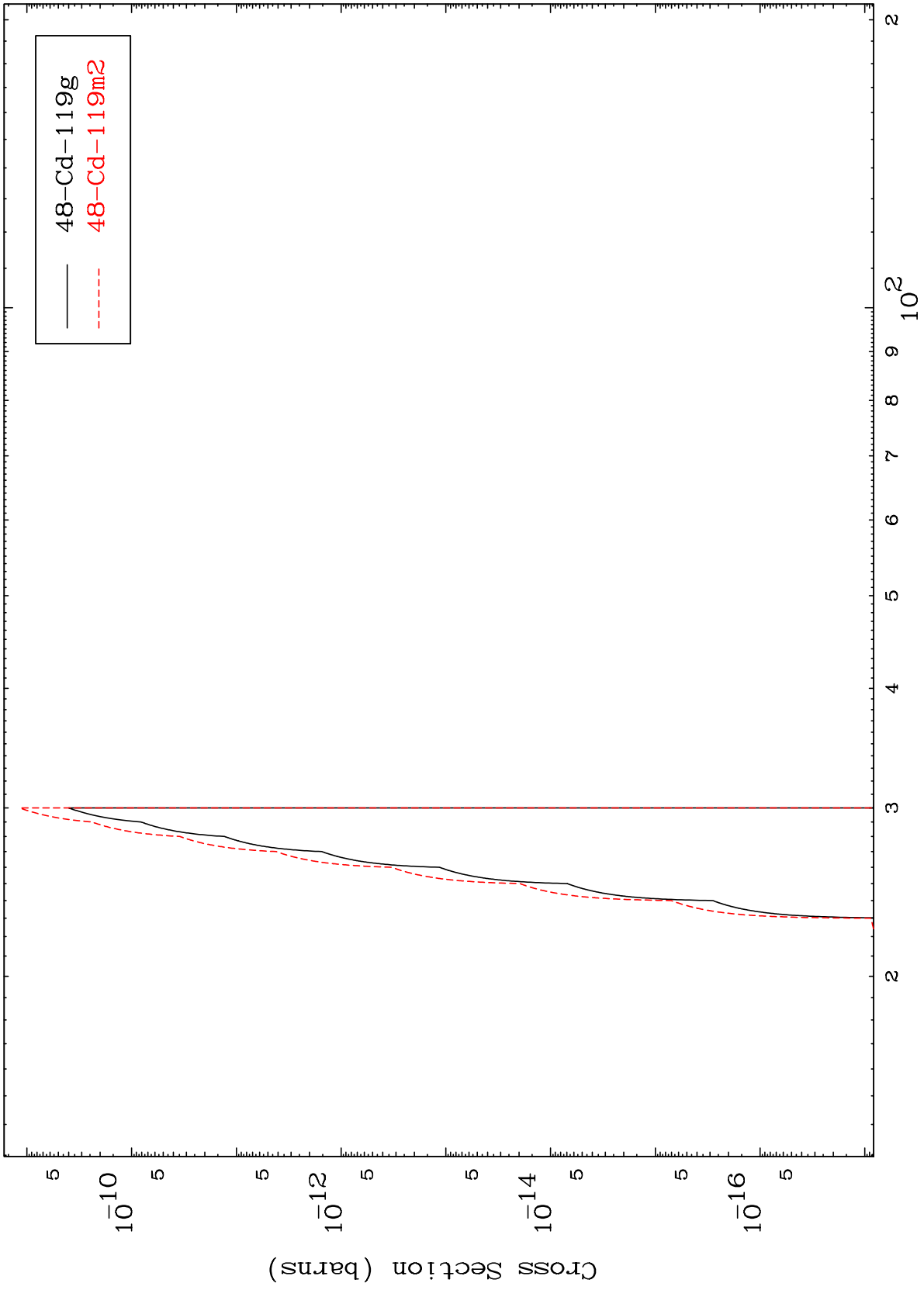


78

Incident Energy (MeV)

51-Sb-124

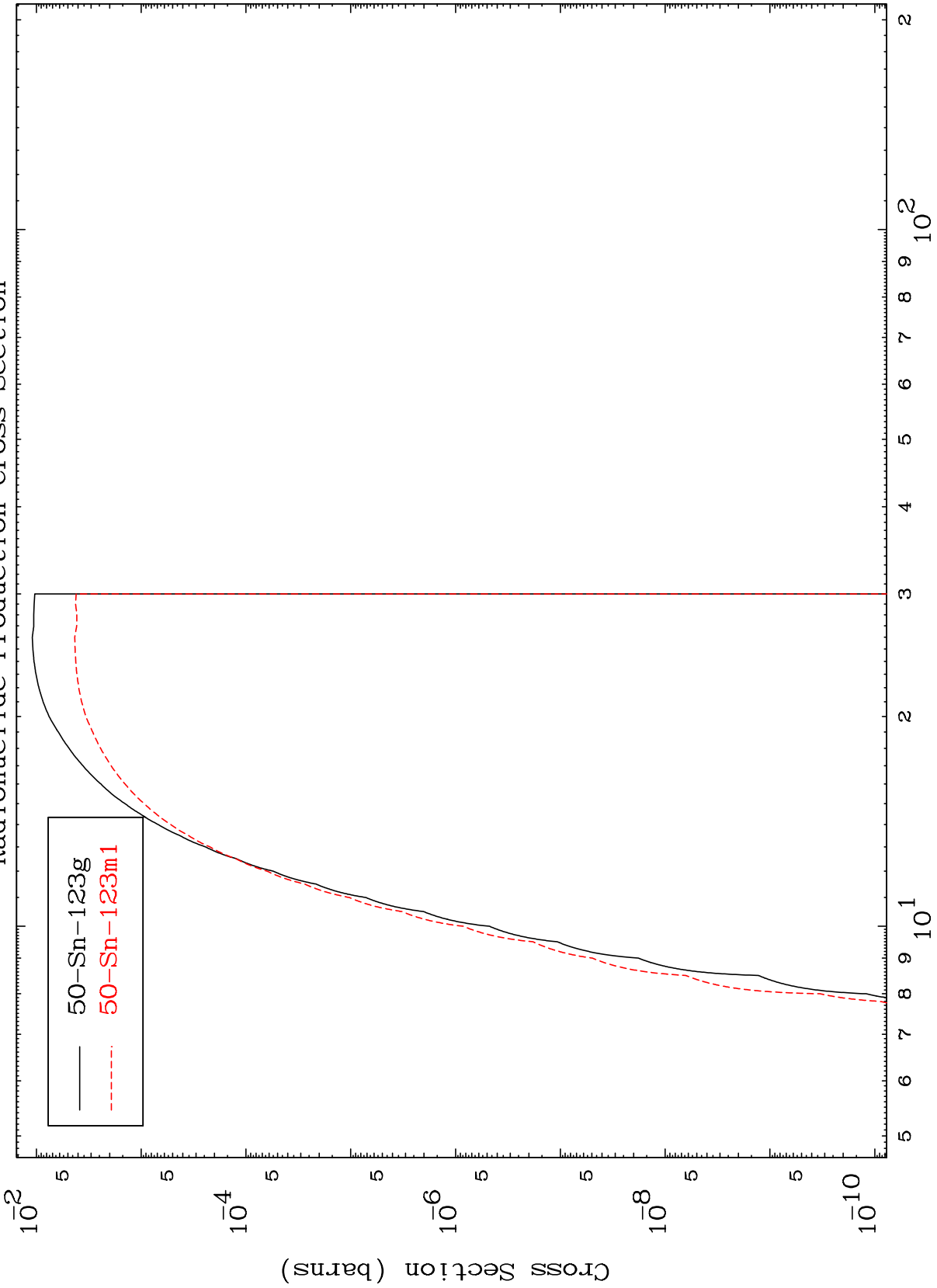
(n,n') p α
Radionuclide Production Cross Section



MAT 5134

51-Sb-124

Radionuclide Production Cross Section (n,d)



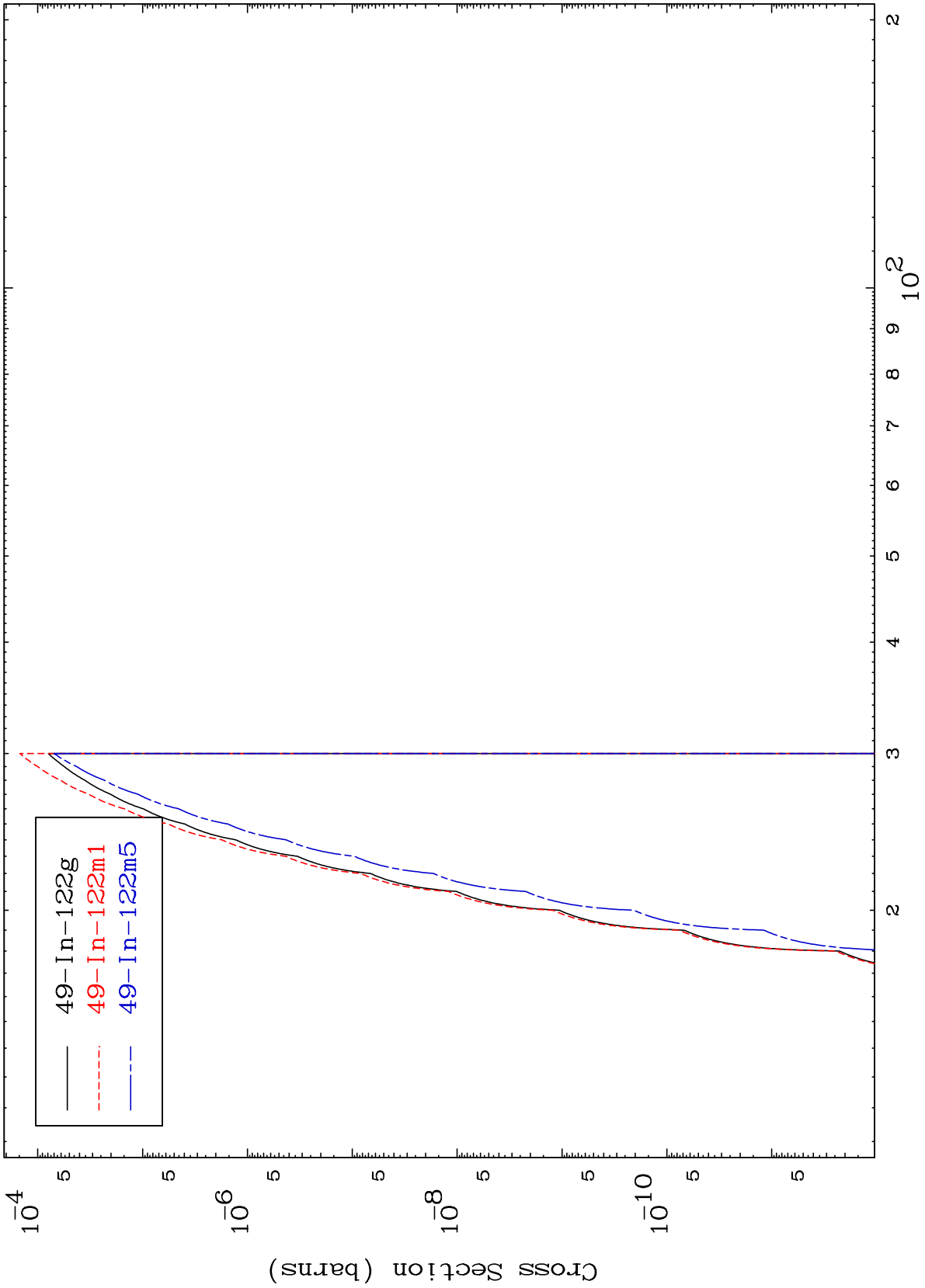
50-Sn-123g
50-Sn-123m1

80

Incident Energy (MeV)

51-Sb-124

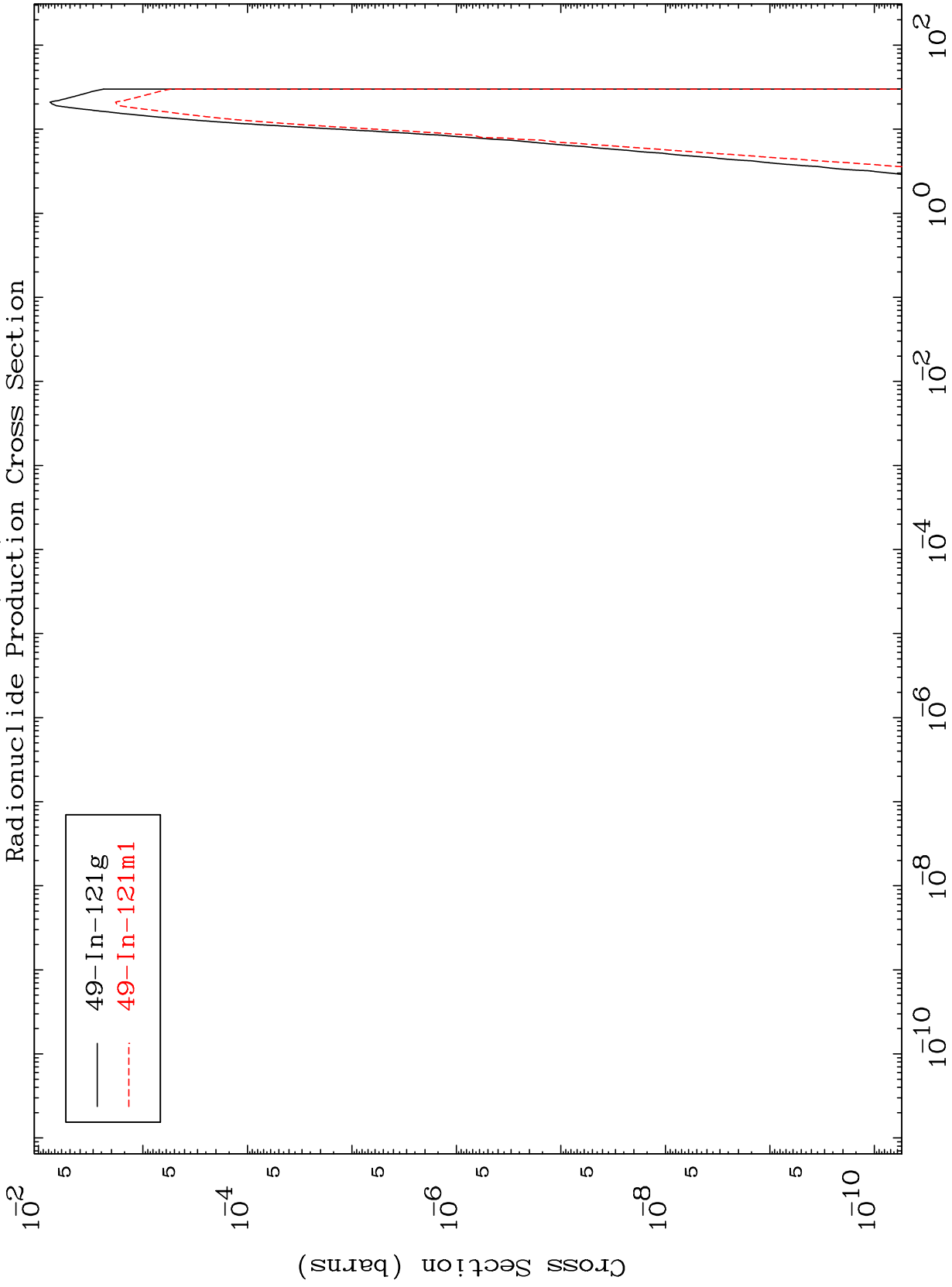
Radionuclide Production Cross Section



MAT 5134

Radionuclide Production Cross Section
(n, α)

51-Sb-124



82

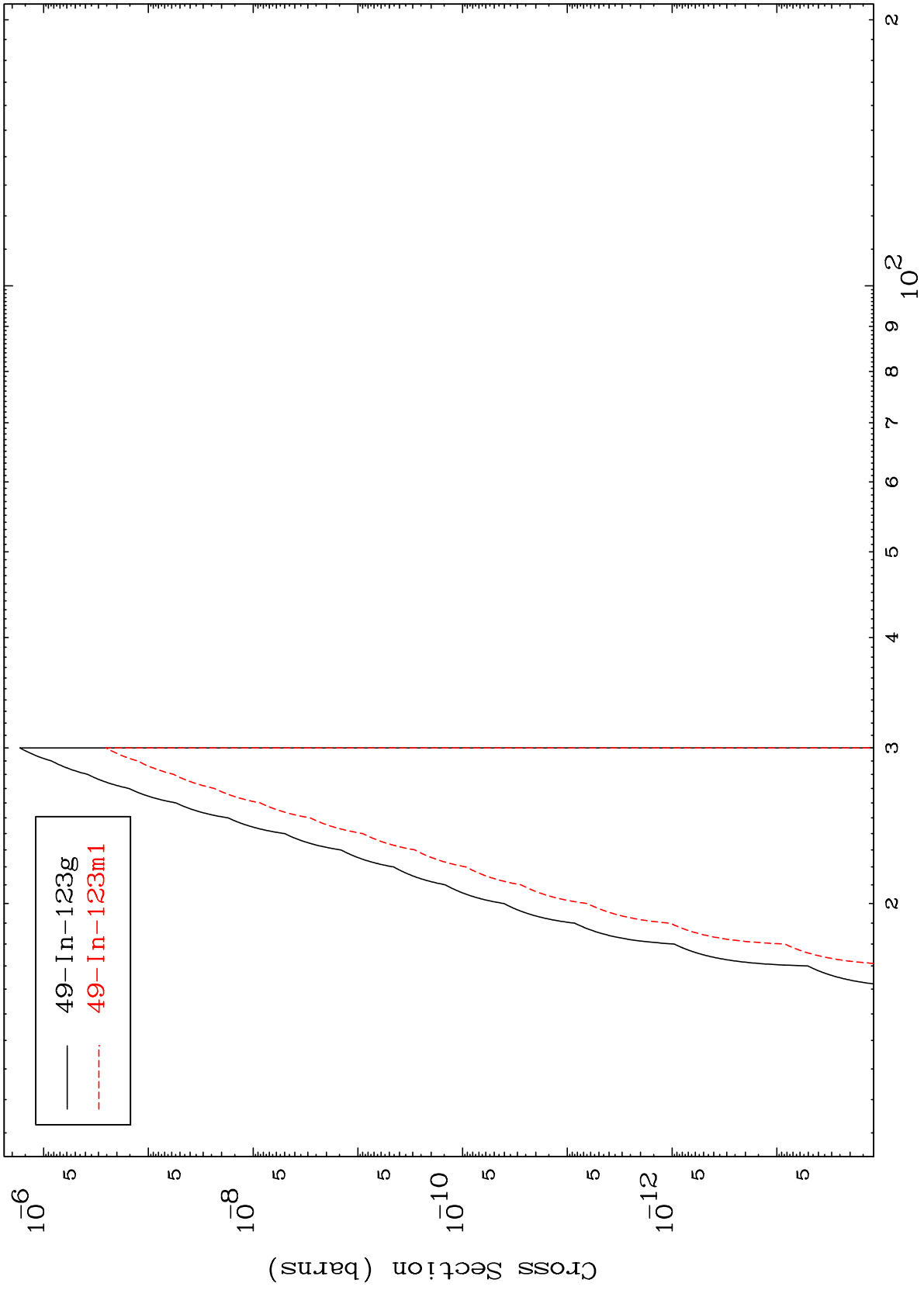
Incident Energy (MeV)

51-Sb-124

MAT 5134

51-Sb-124

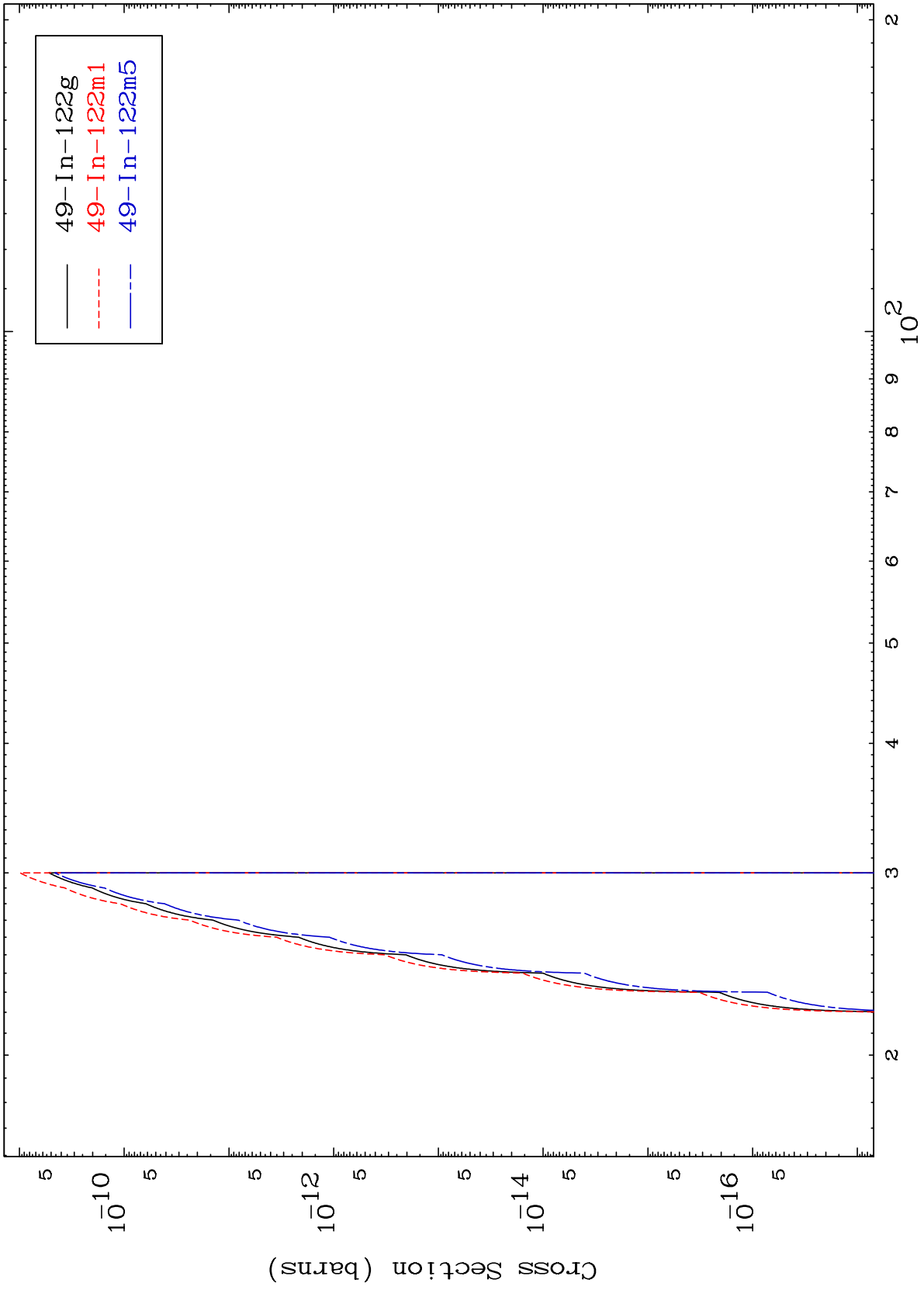
(n,2p)
Radionuclide Production Cross Section



83

51-Sb-124

Radionuclide Production Cross Section

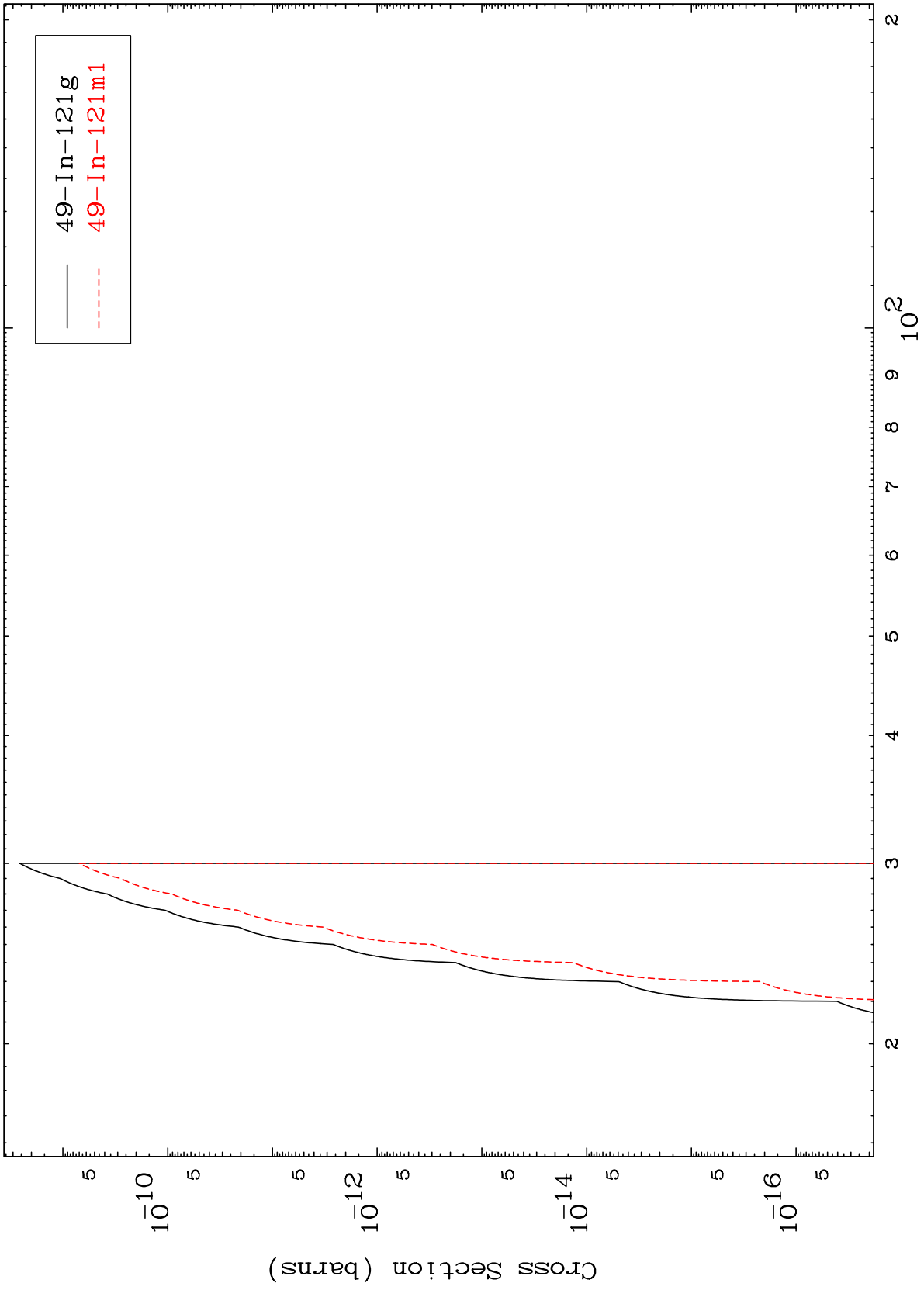


MAT 5134

(n,p) t

51-Sb-124

Radionuclide Production Cross Section



85

Incident Energy (MeV)

51-Sb-124