

Program EVALPLOT
(Version 2018-1)

by

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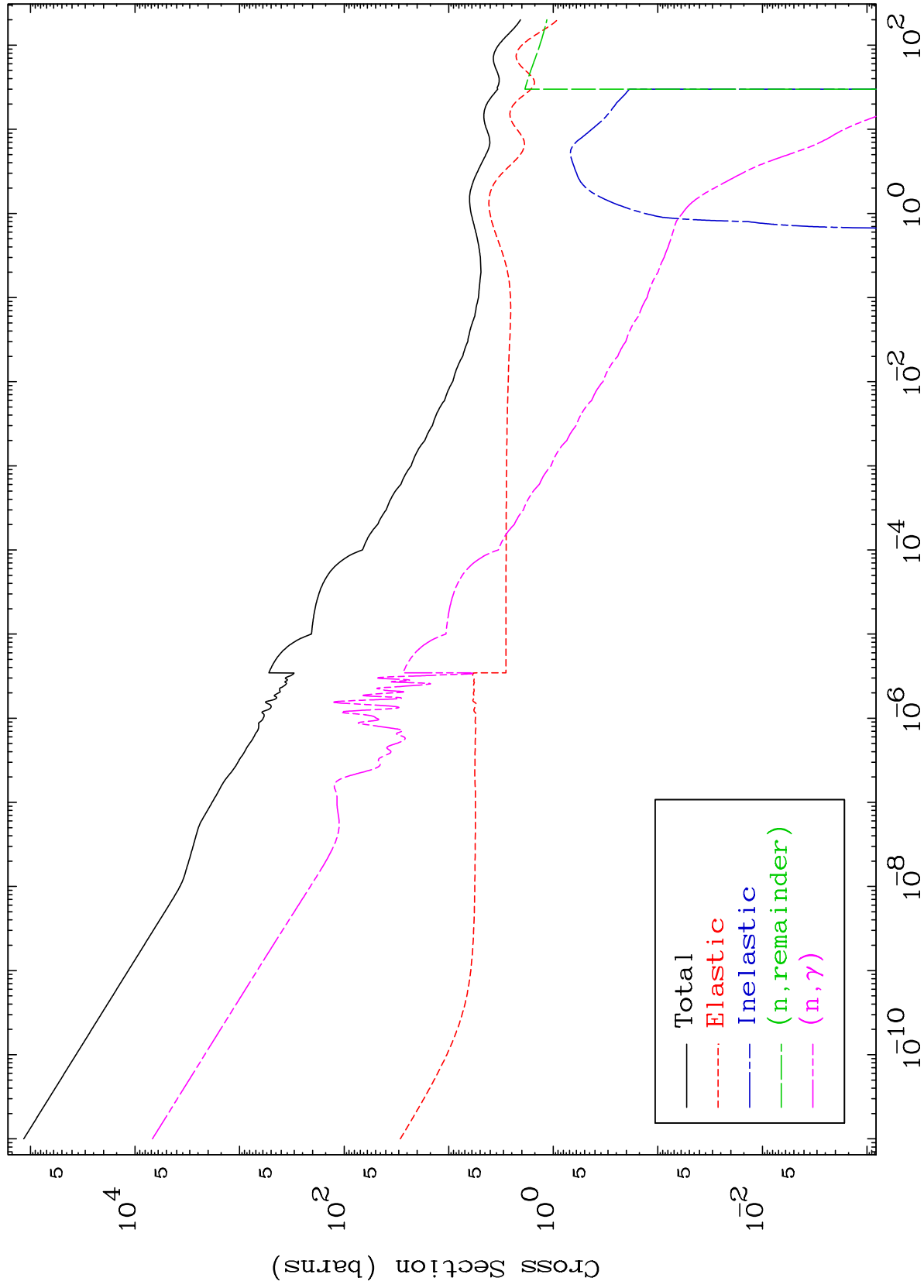
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5683

Major
293 Kelvin Cross Sections

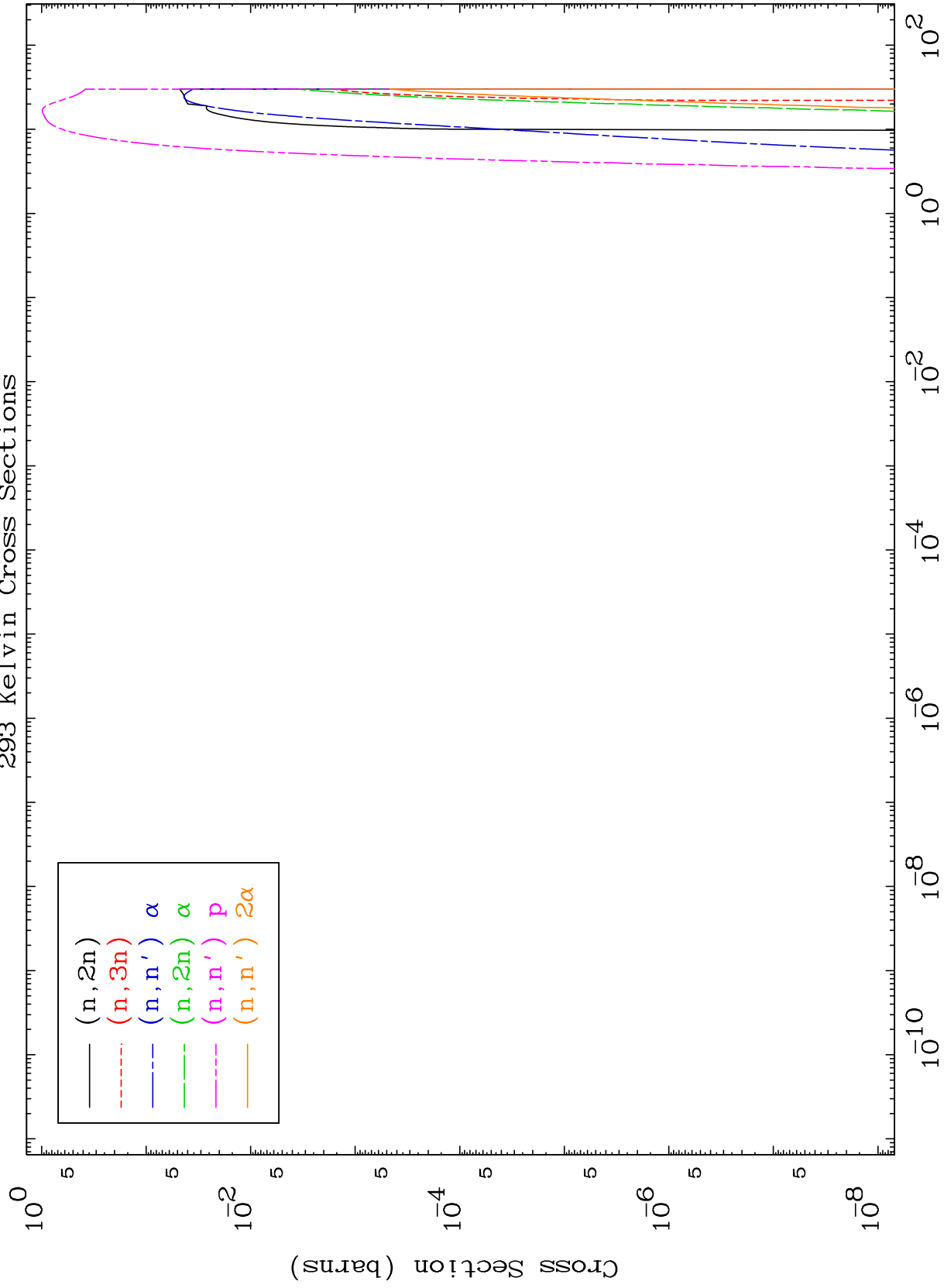
57-La-124



MAT 5683

Neutron Production
293 Kelvin Cross Sections

57-La-124



2

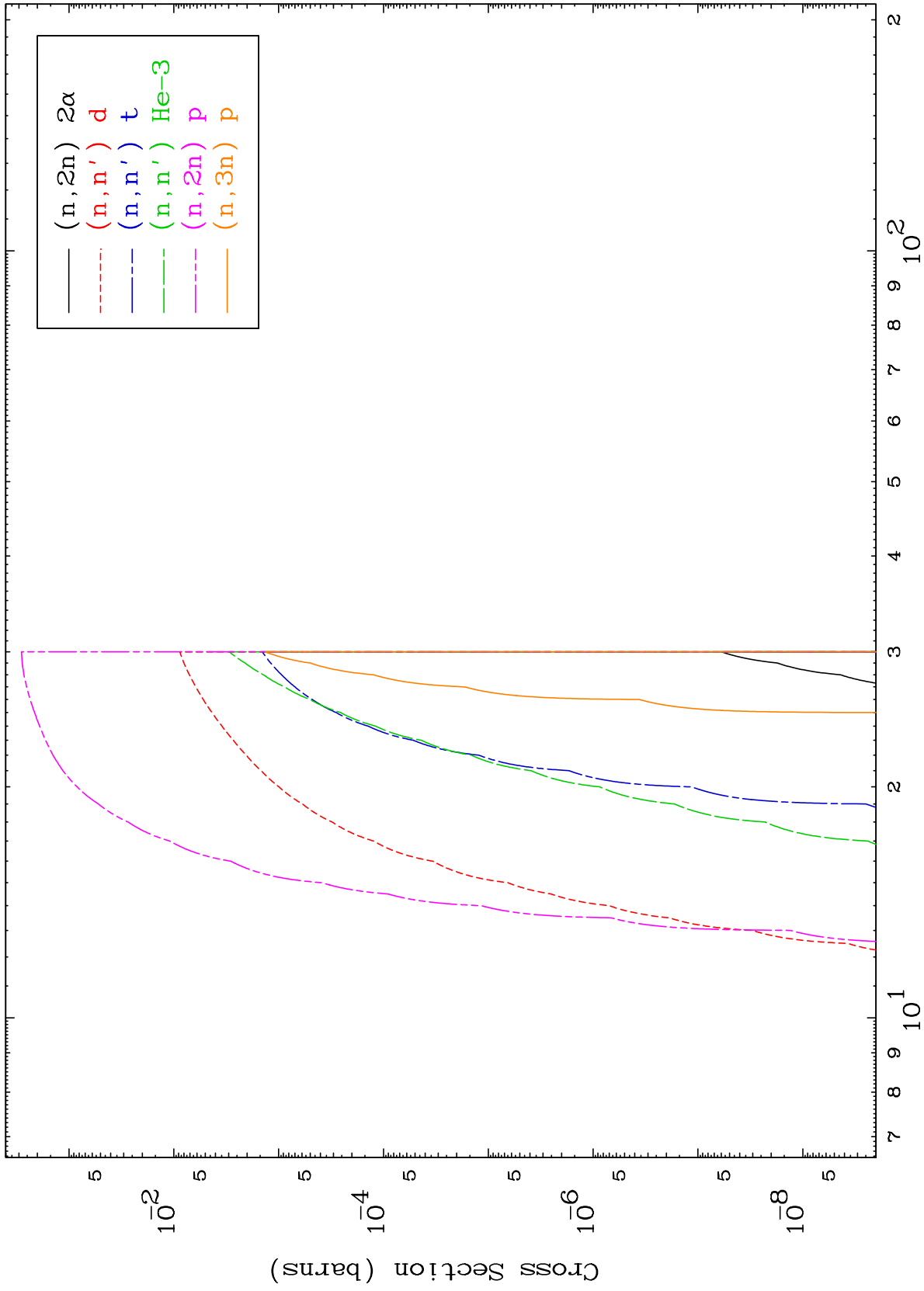
Incident Energy (MeV)

57-La-124

MAT 5683

Neutron Production 293 Kelvin Cross Sections

57-La-124



3

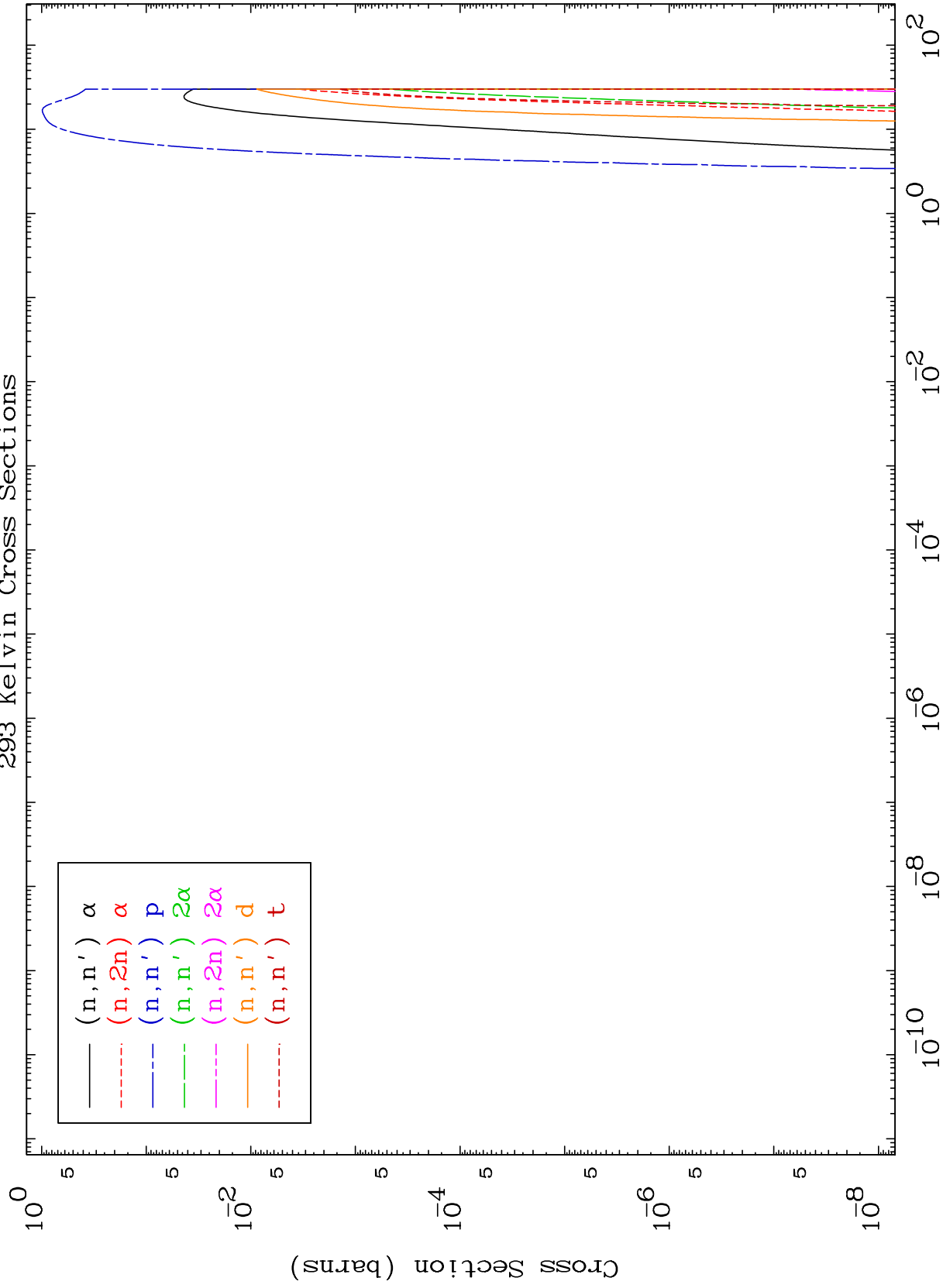
Incident Energy (MeV)

57-La-124

MAT 5683

293 Charged Particle
Kelvin Cross Sections

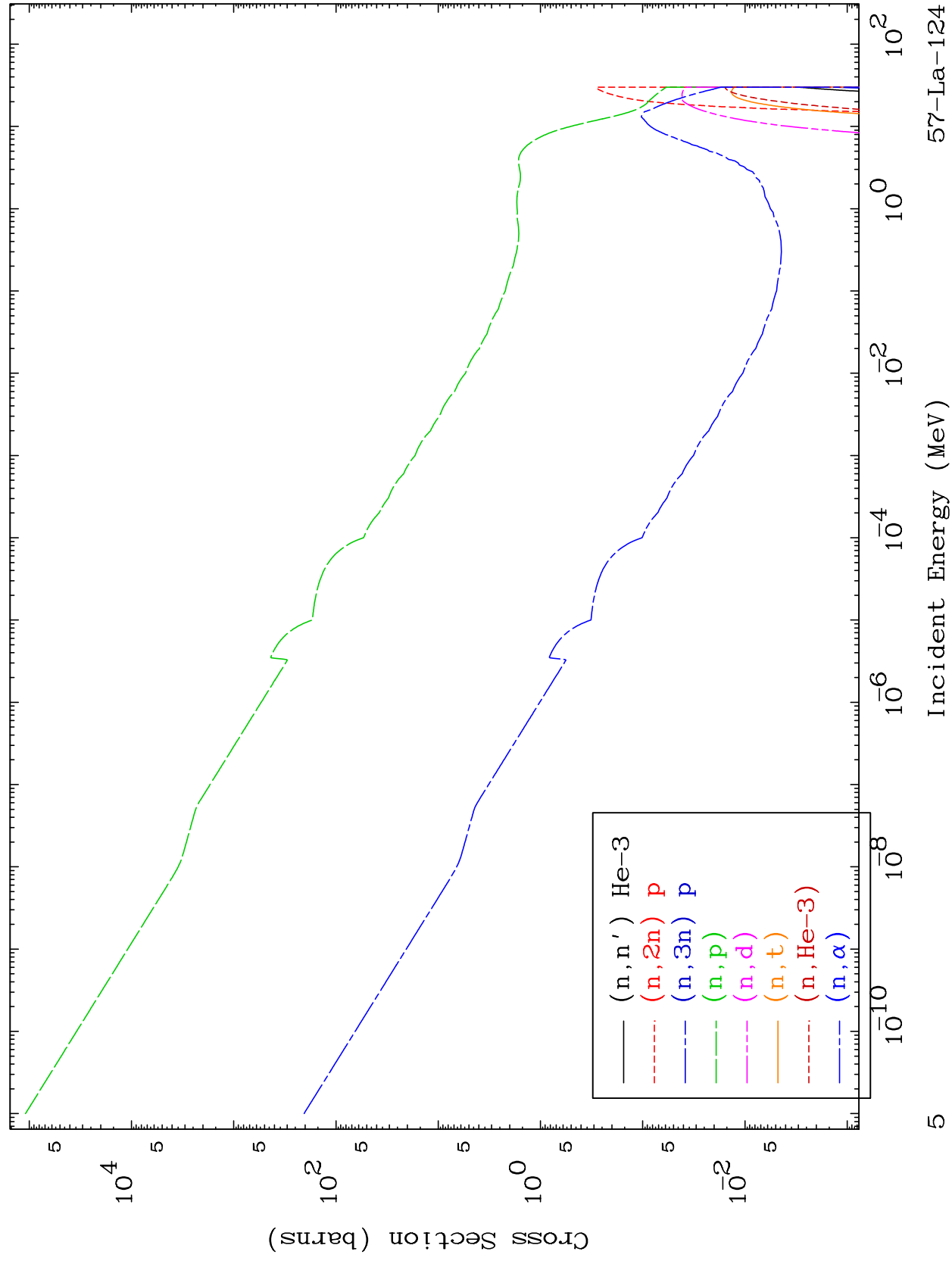
57-La-124



MAT 5683

293 Kelvin Cross Sections

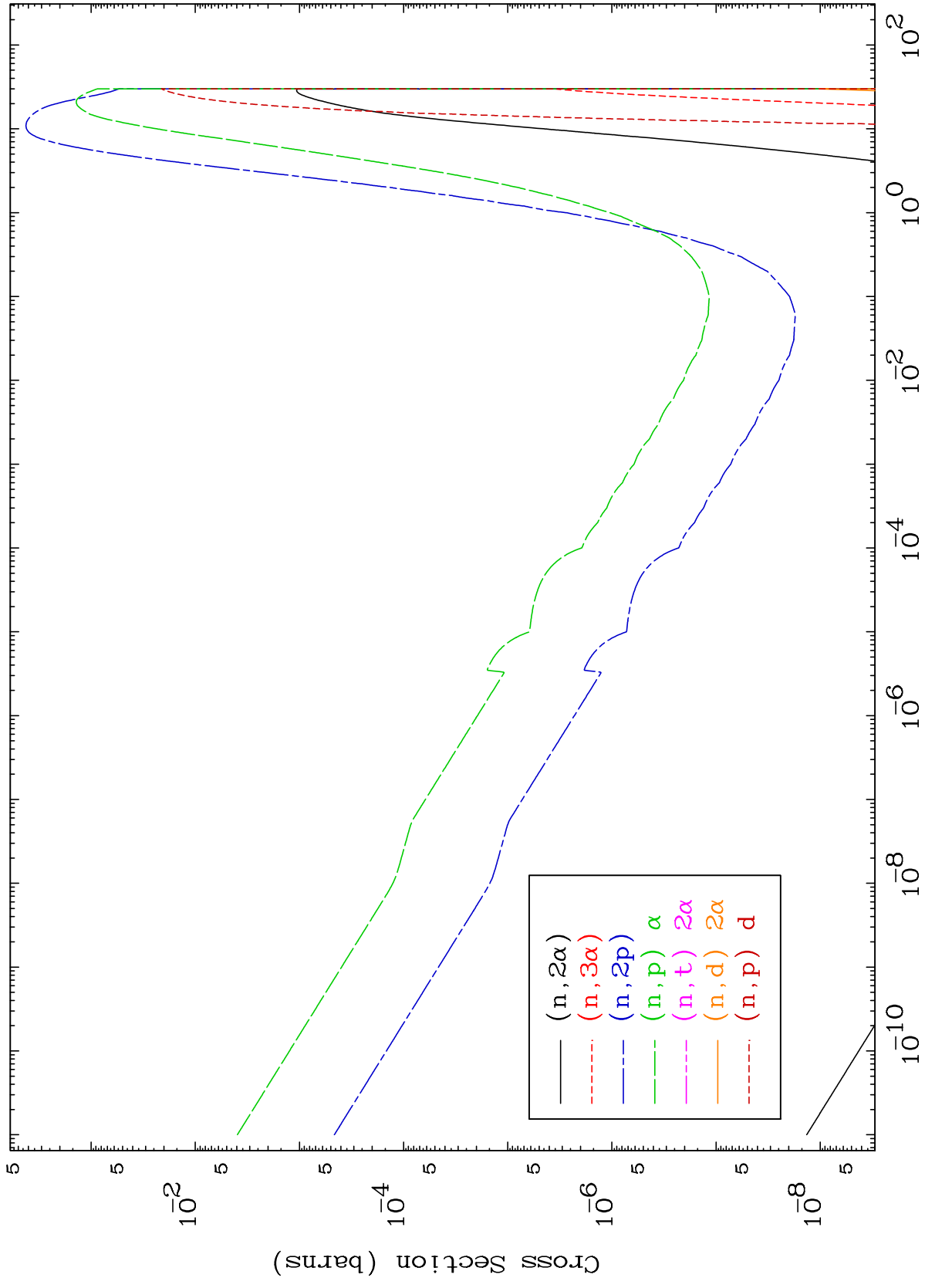
57-La-124



MAT 5683

Charged Particle
293 Kelvin Cross Sections

57-La-124



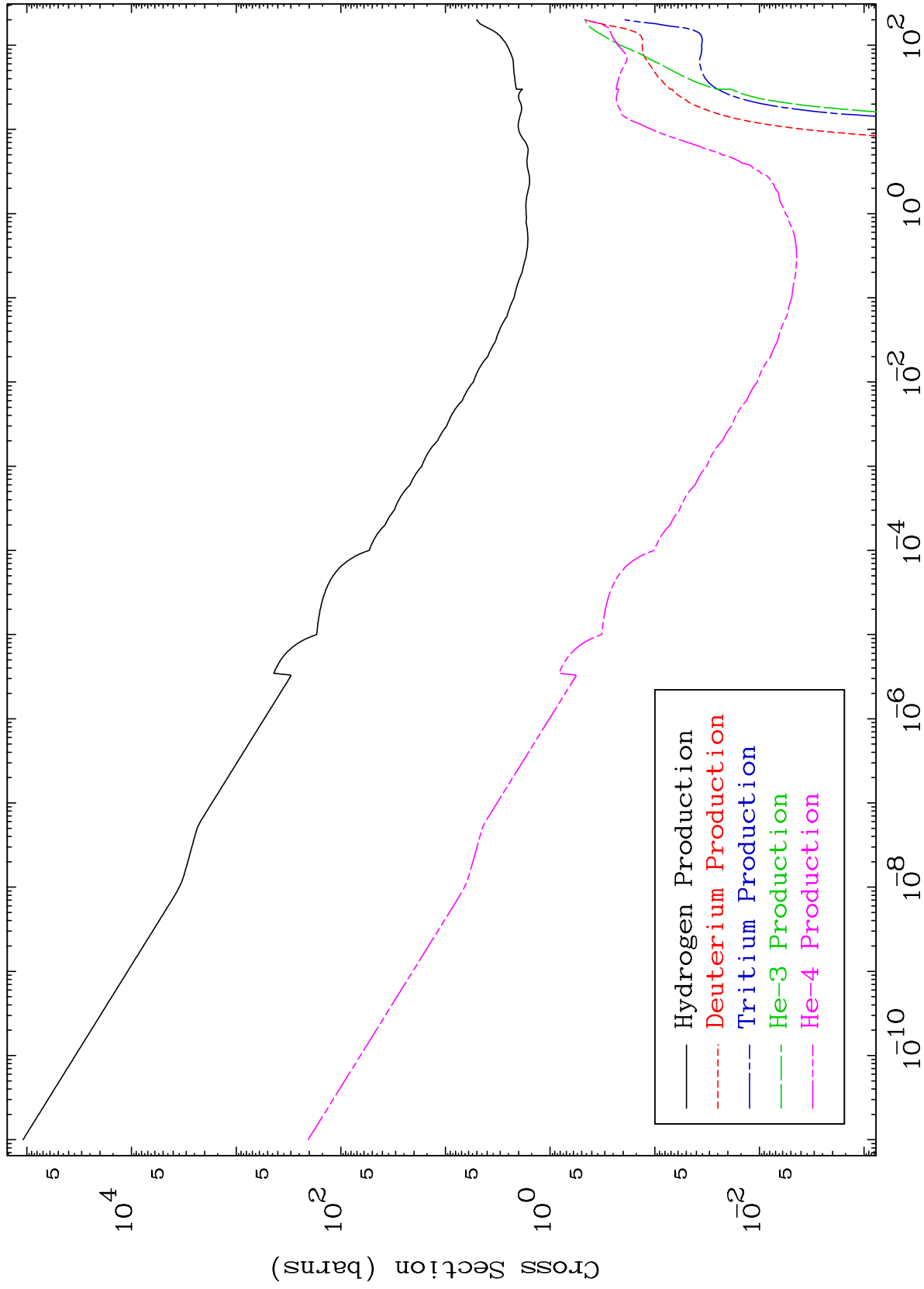
6

57-La-124

MAT 5683

Particle Production
293 Kelvin Cross Sections

57-La-124

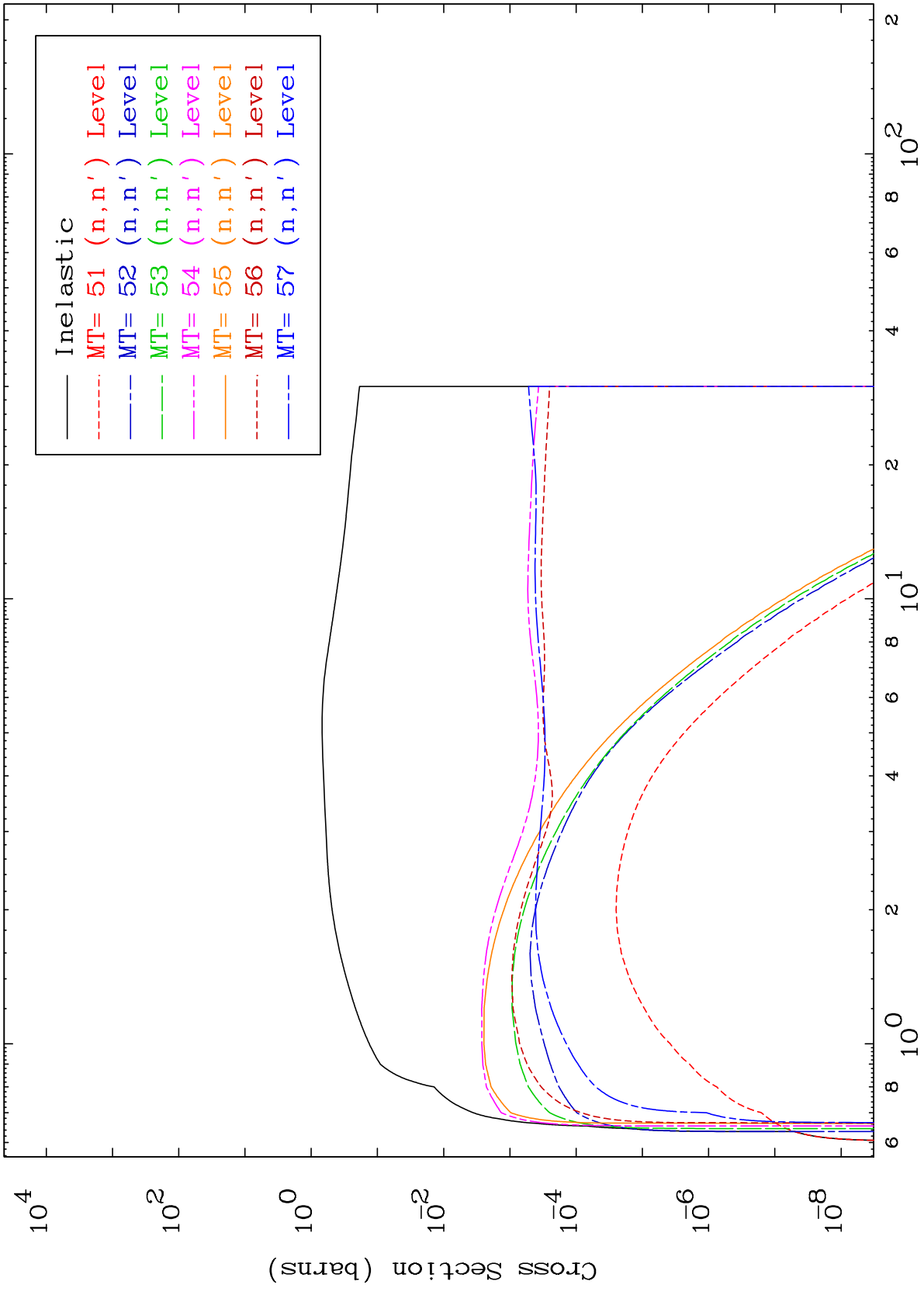


MAT 5683

(n,n') Level

57-La-124

293 Kelvin Cross Sections



8

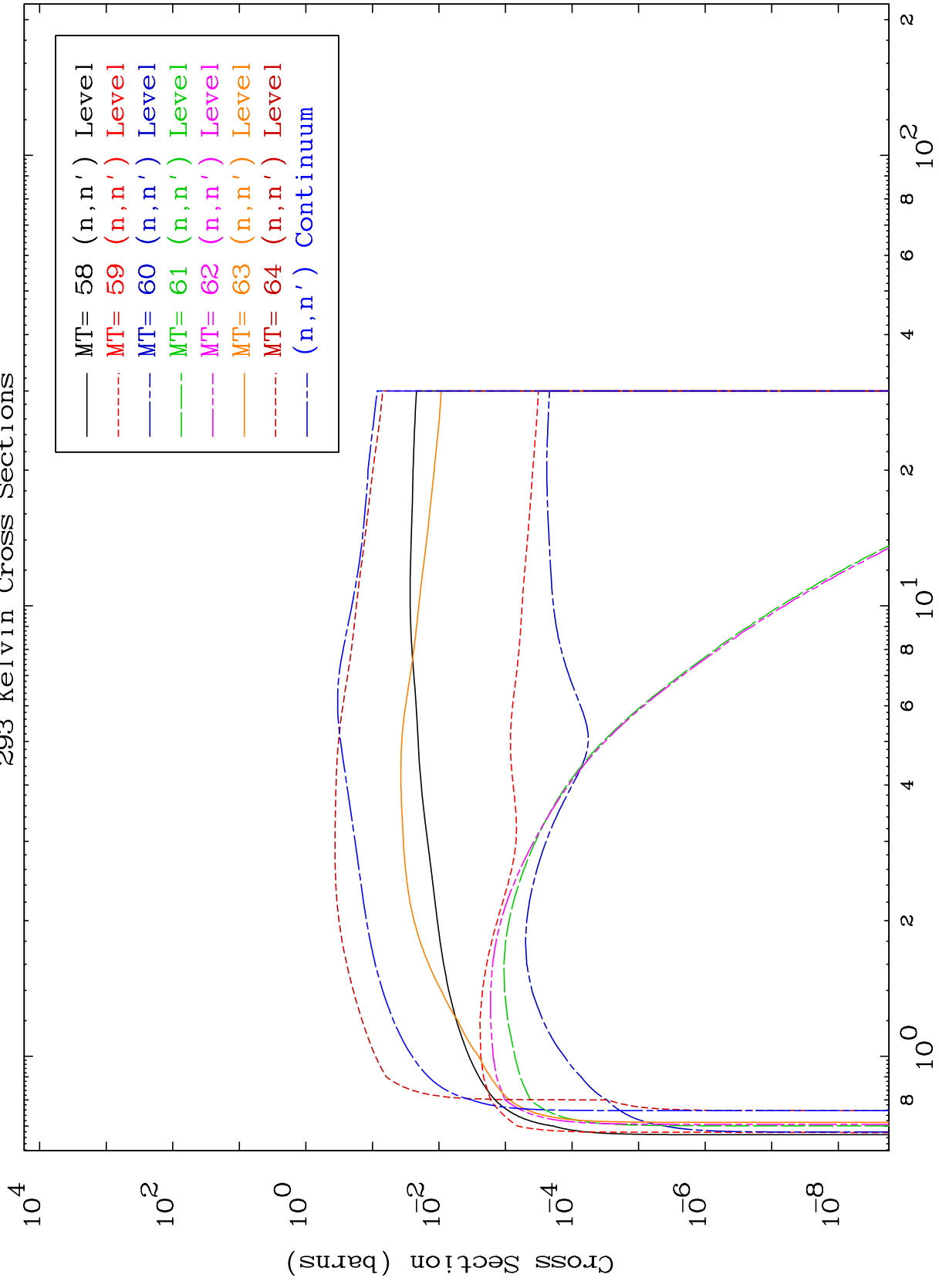
Incident Energy (MeV)

57-La-124

MAT 5683

(n,n') Level
293 Kelvin Cross Sections

57-La-124



9

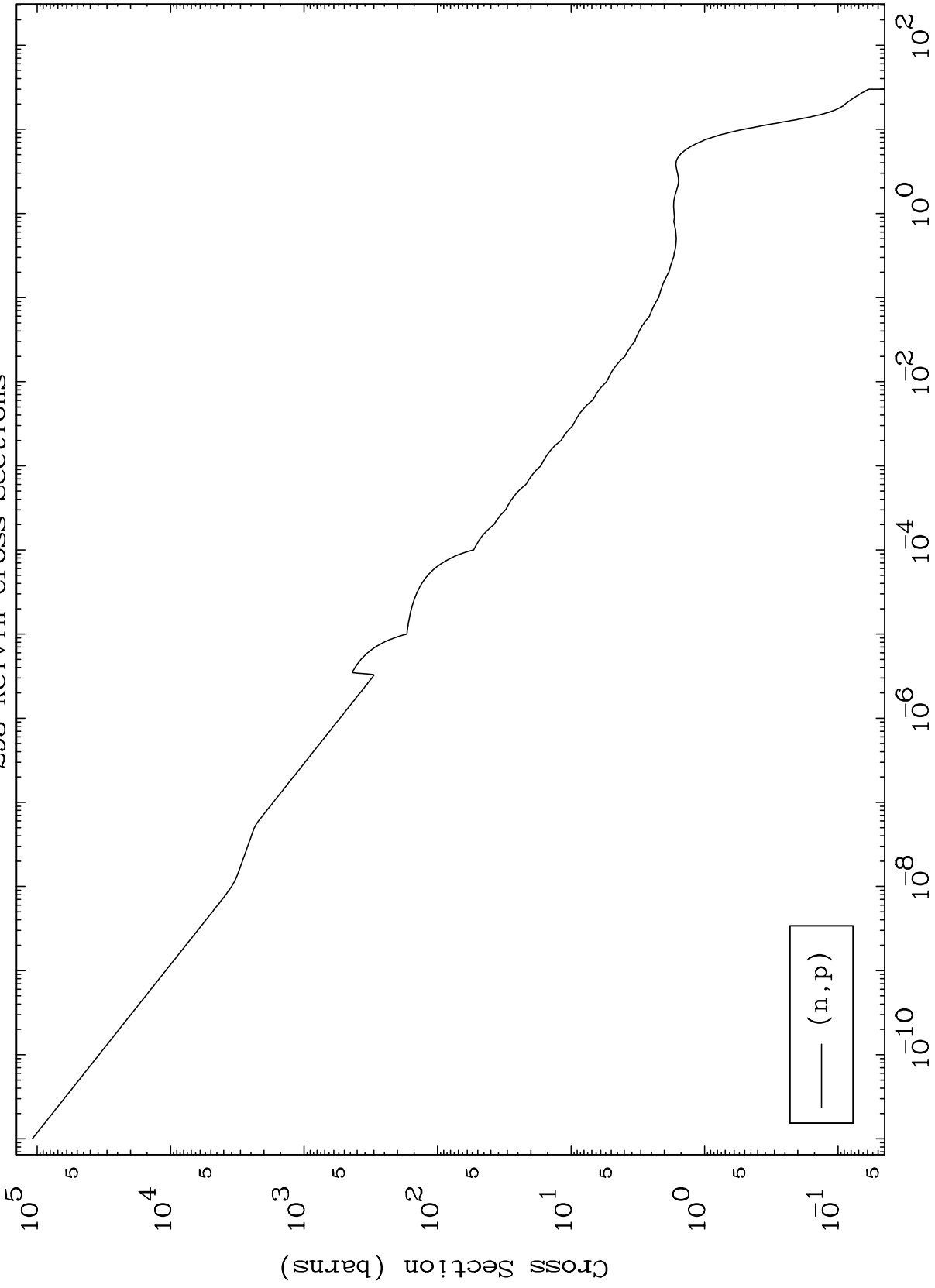
Incident Energy (MeV)

57-La-124

MAT 5683

(n,p) Levels
293 Kelvin Cross Sections

57-La-124



10

Incident Energy (MeV)

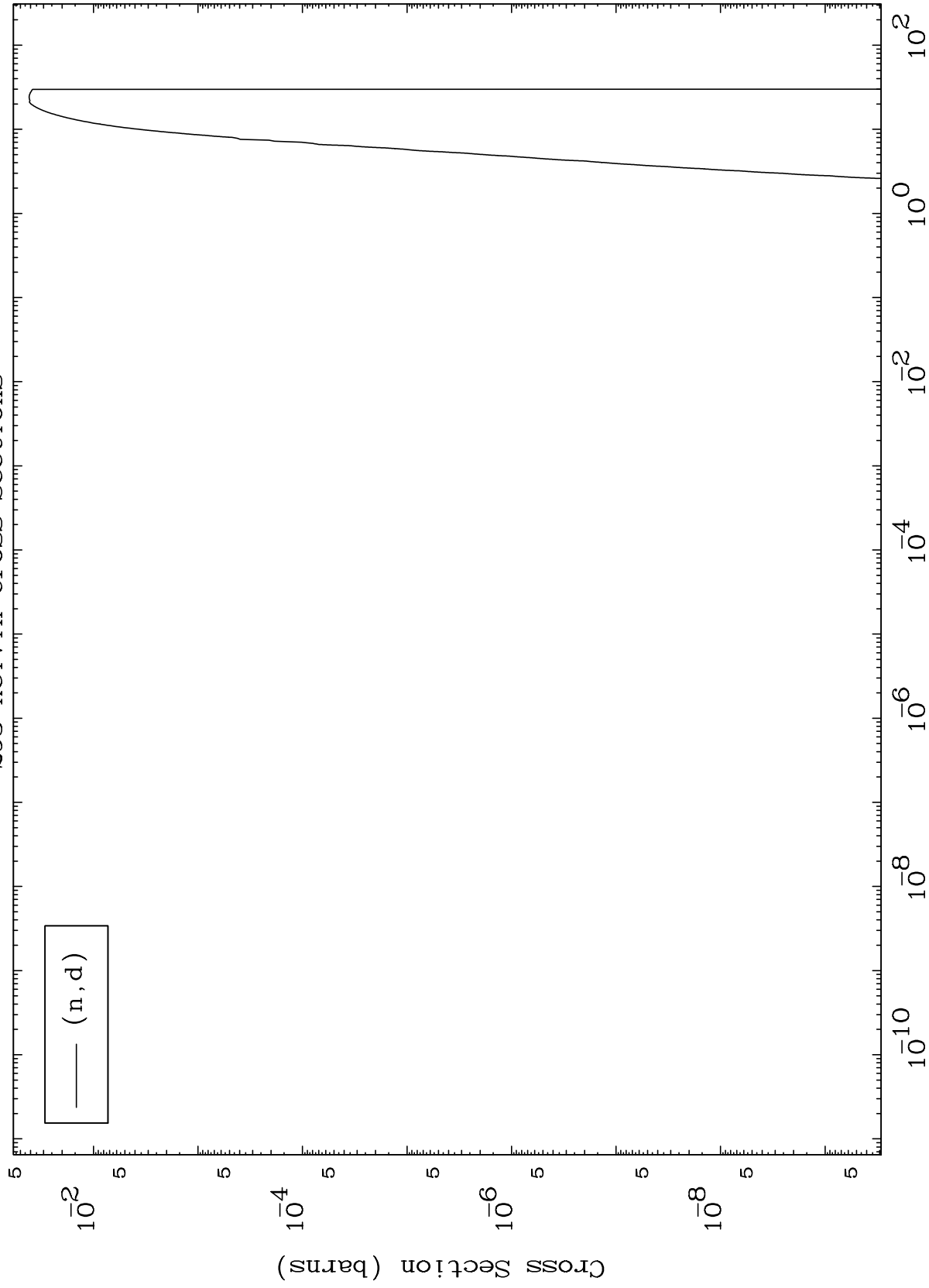
57-La-124

— (n,p)

MAT 5683

(n,d) Levels
293 Kelvin Cross Sections

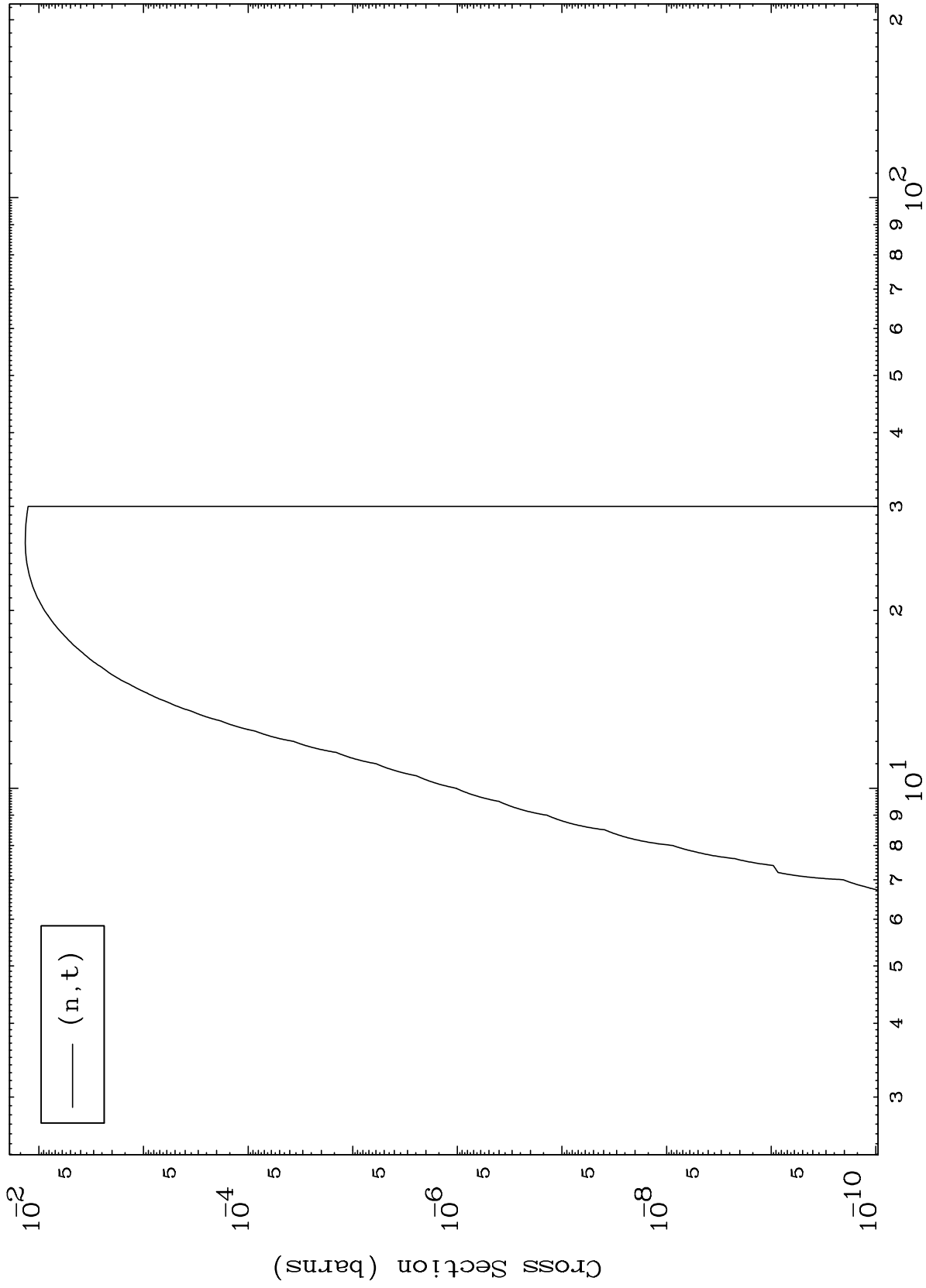
57-La-124



MAT 5683

(n,t) Levels
293 Kelvin Cross Sections

57-La-124



12

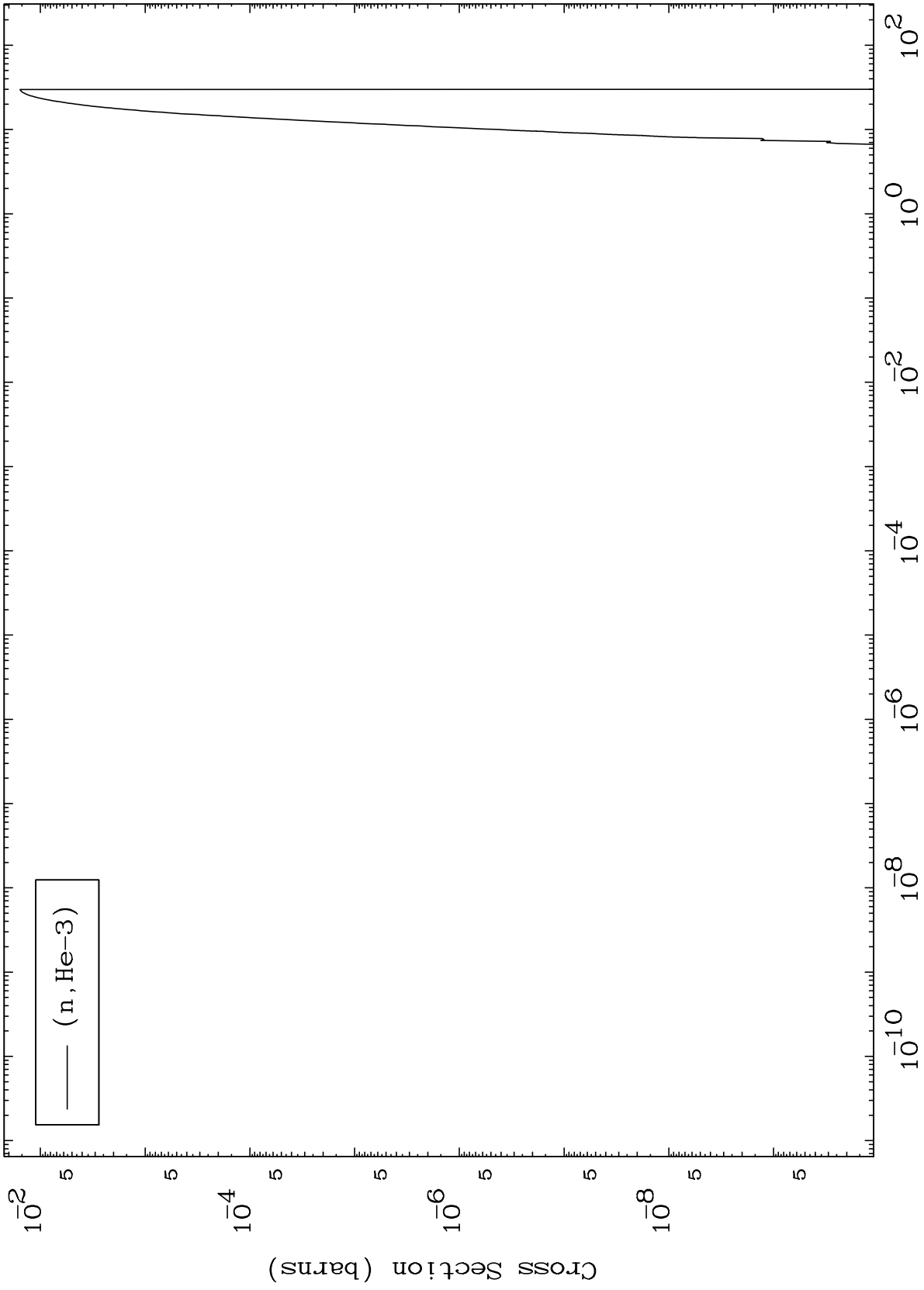
Incident Energy (MeV)

57-La-124

MAT 5683

(n,He3) Levels
293 Kelvin Cross Sections

57-La-124



13

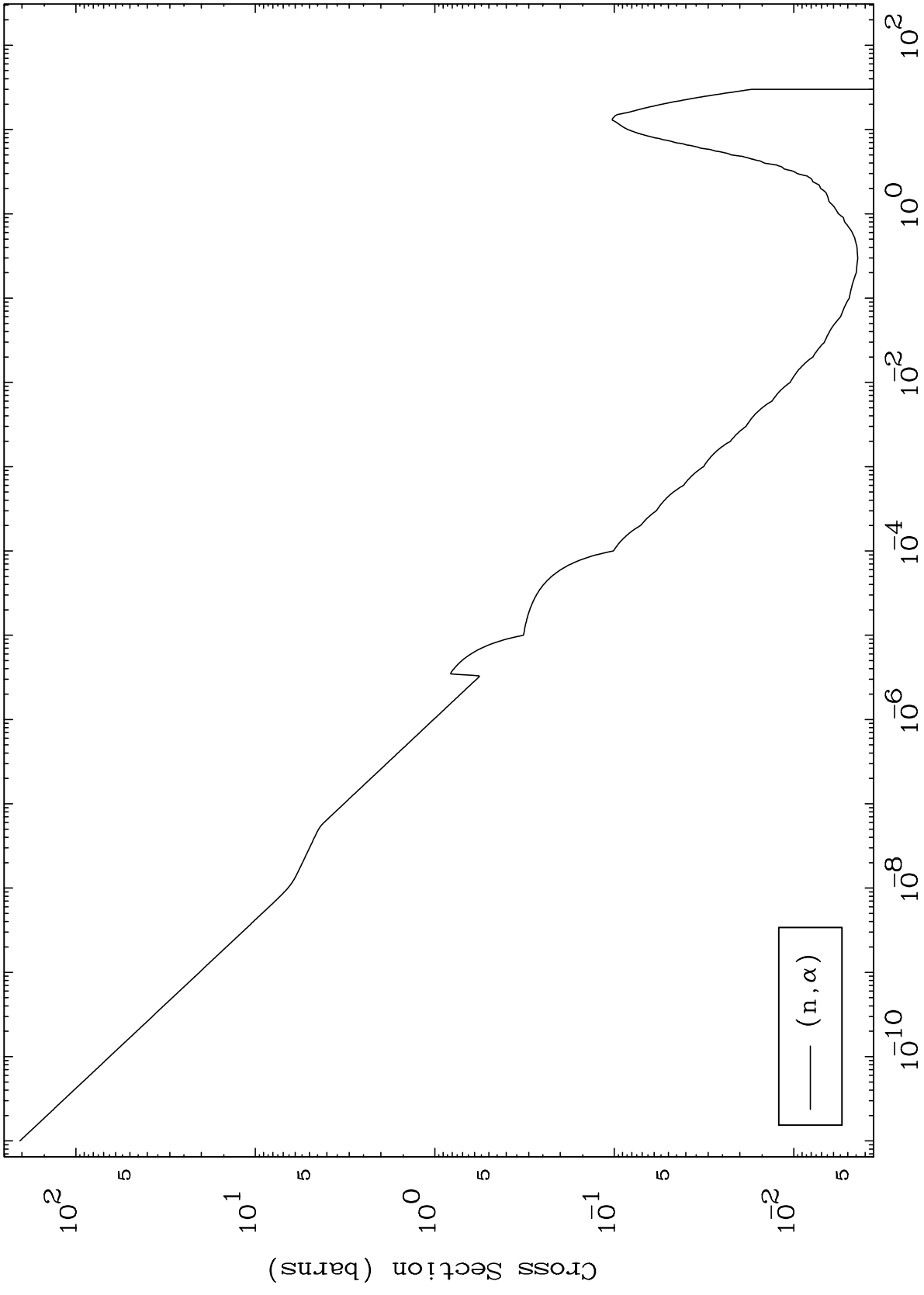
Incident Energy (MeV)

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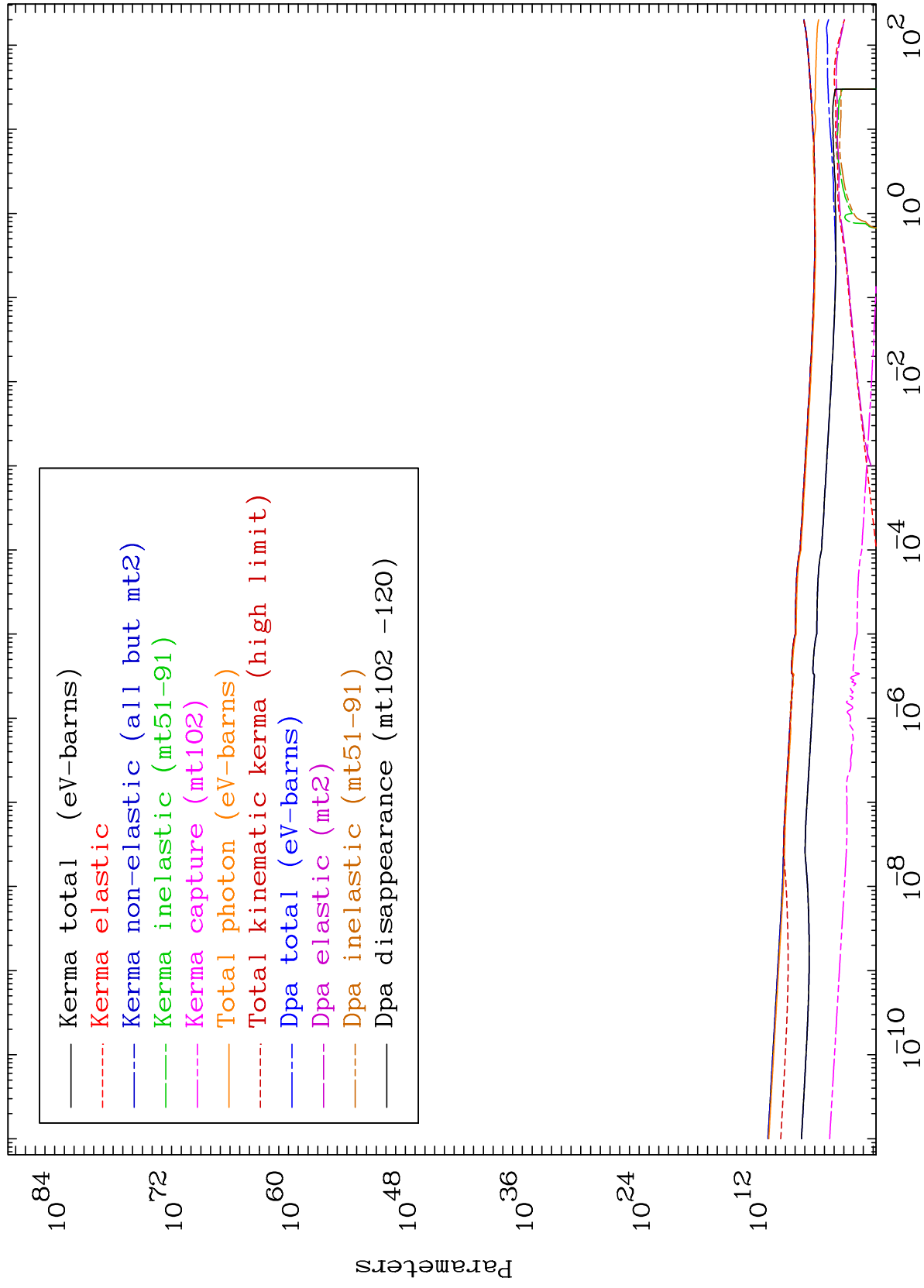
MAT 5683

(n,α) Levels
293 Kelvin Cross Sections

57-La-124



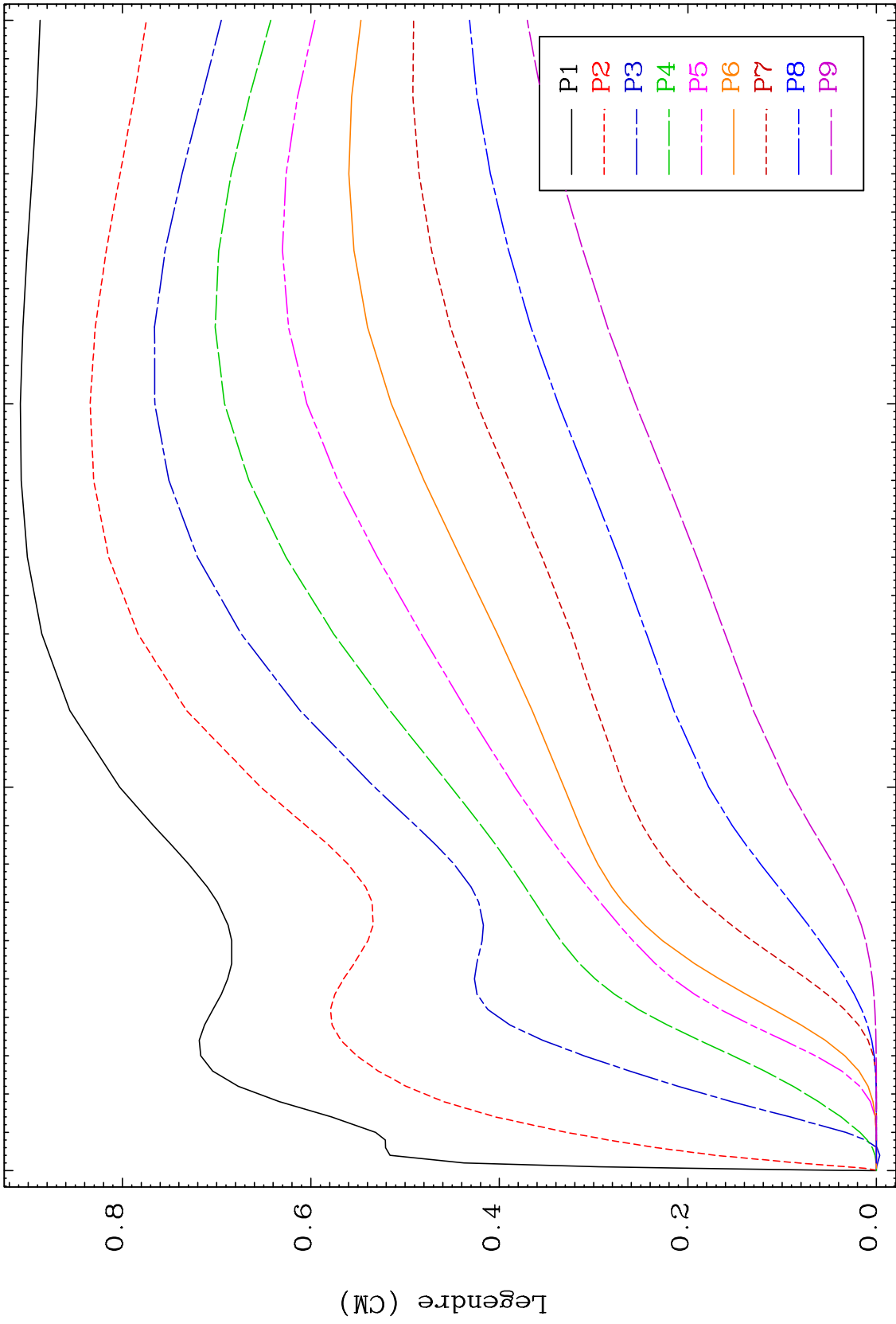
57-La-124



MAT 5683

Elastic Legendre Coefficients

57-La-124



16

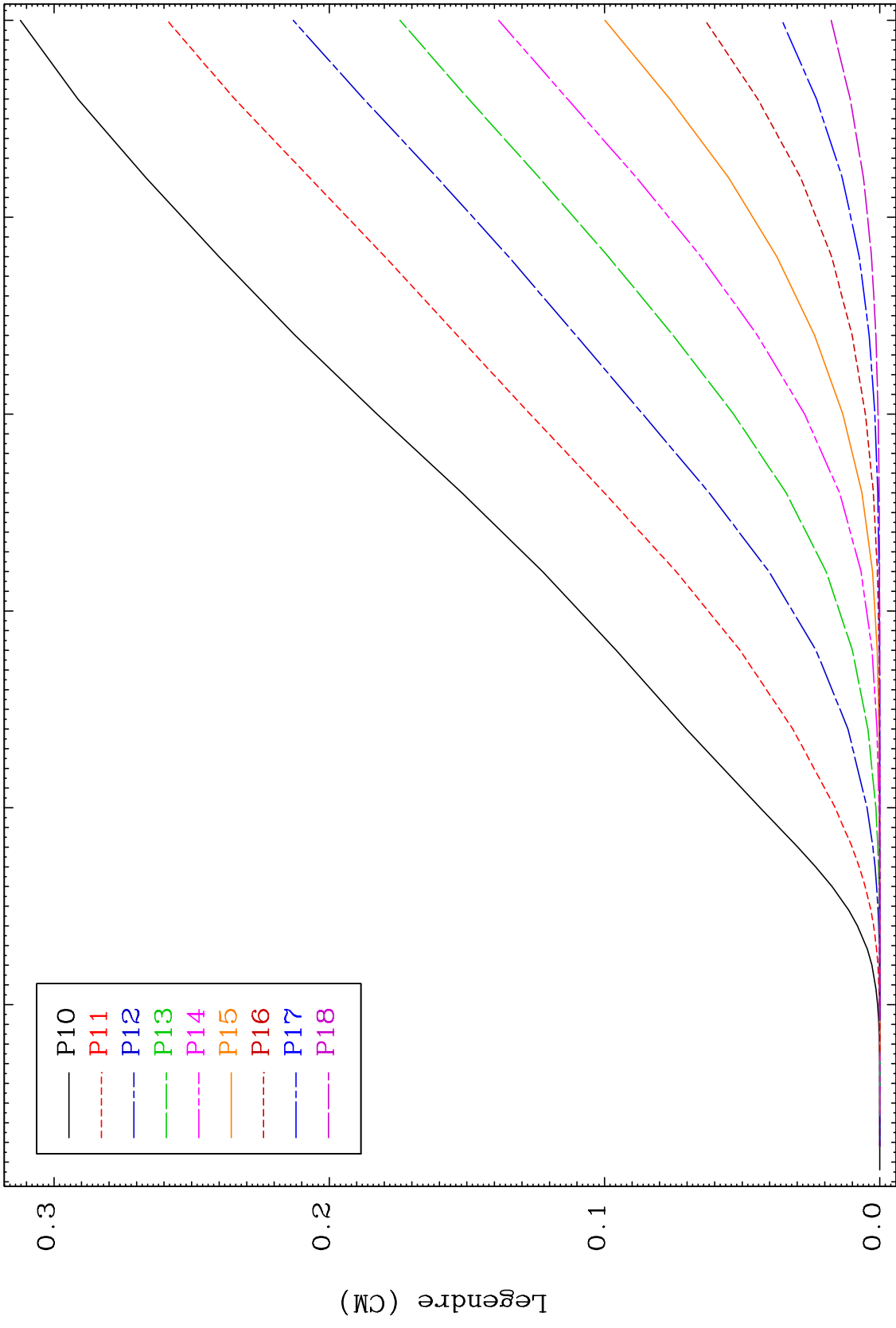
Incident Energy (MeV)

57-La-124

MAT 5683

Elastic Legendre Coefficients

57-La-124



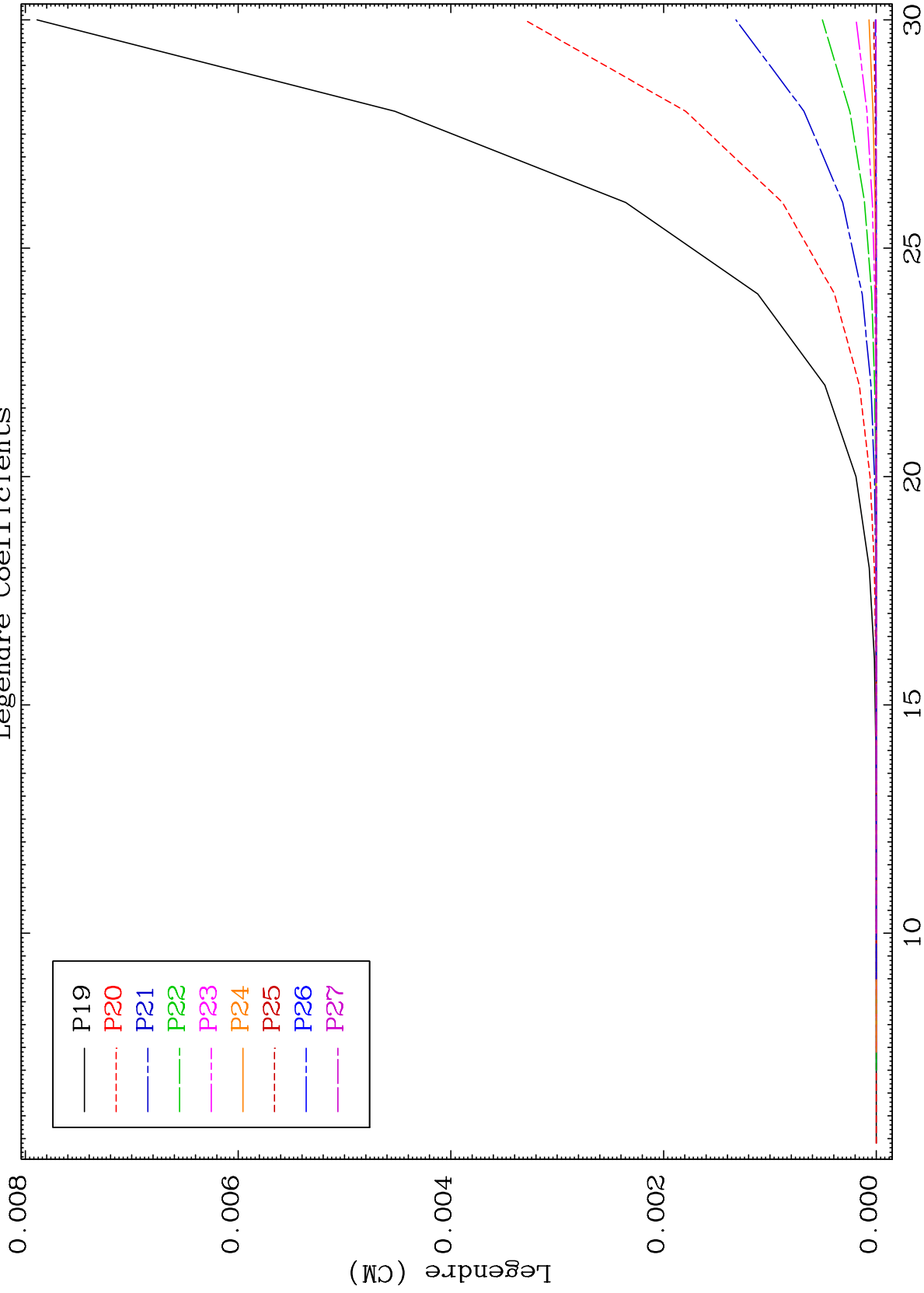
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57-La-124

MAT 5683

Elastic Legendre Coefficients

57-La-124



18

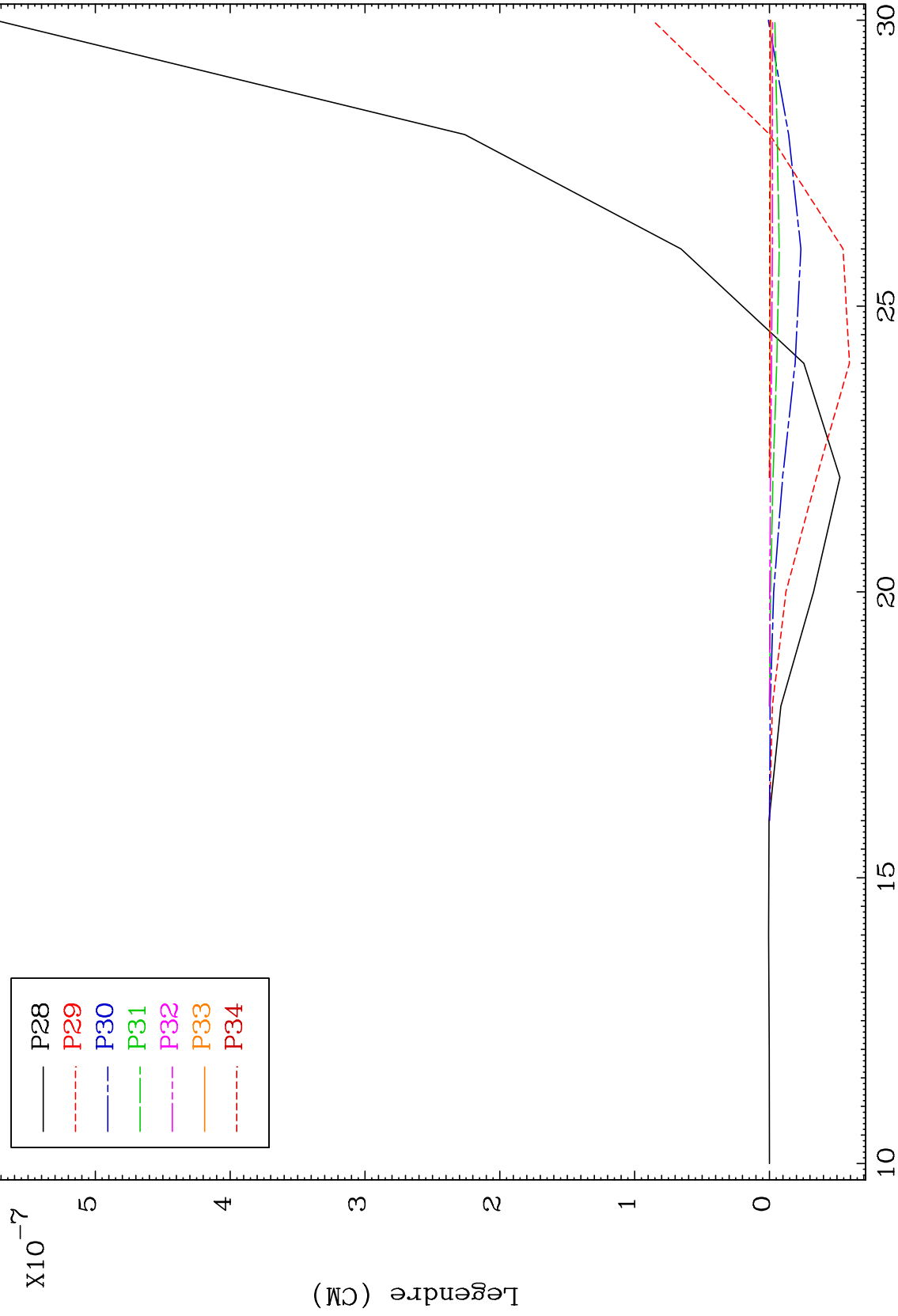
Incident Energy (MeV)

57-La-124

MAT 5683

Elastic Legendre Coefficients

57-La-124



19

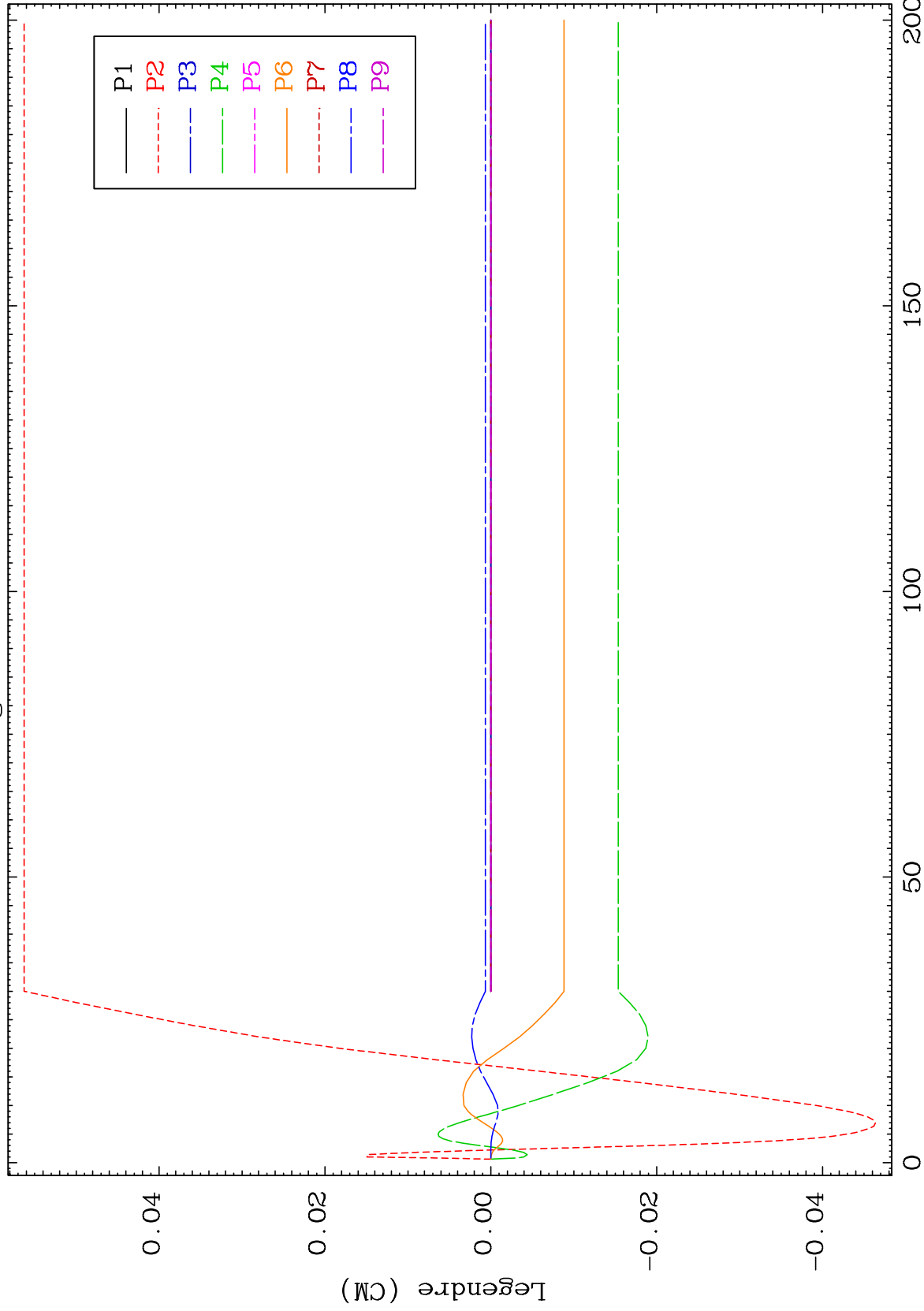
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



57-La-124

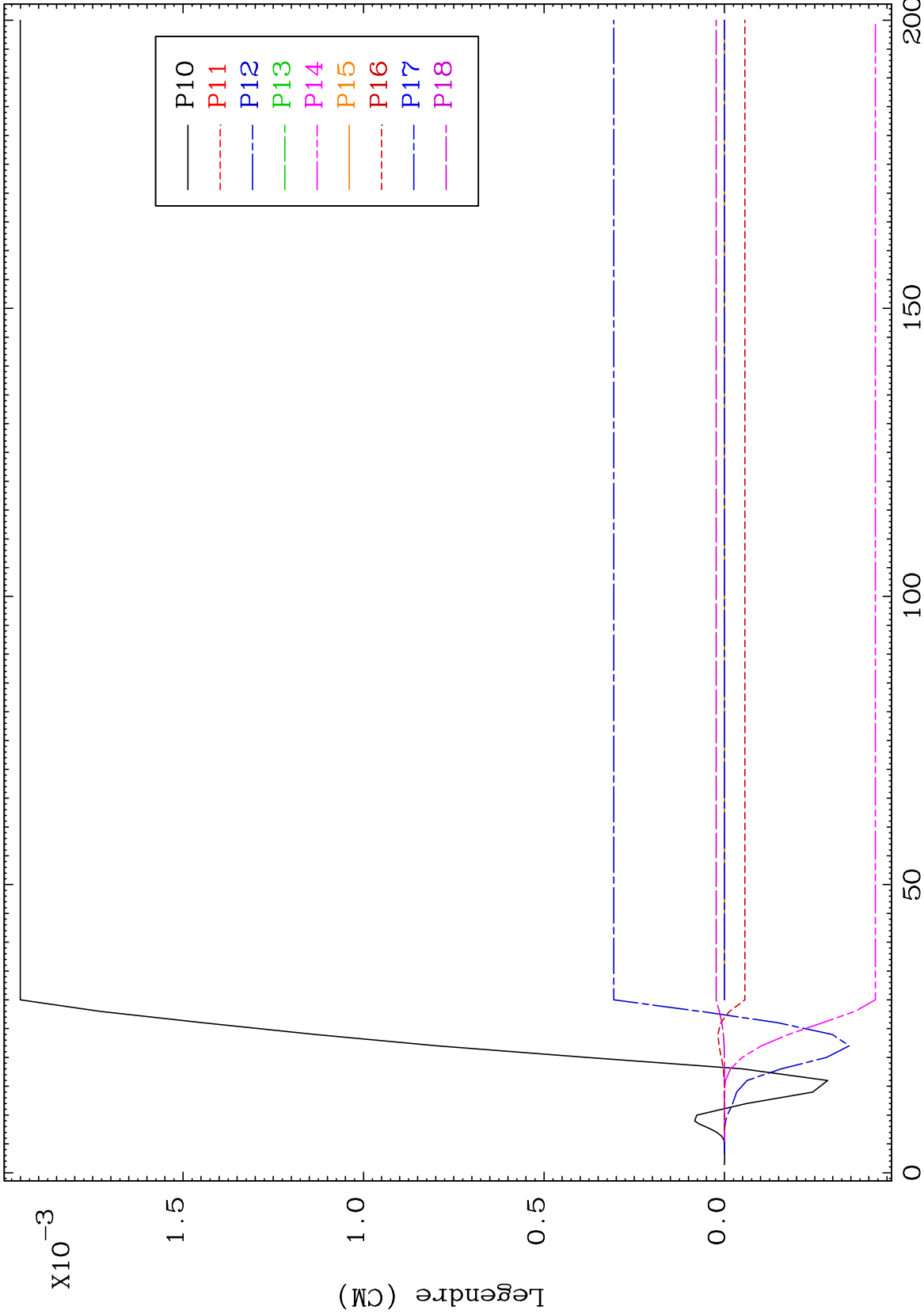
Incident Energy (MeV)

20

MAT 5683

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

57-La-124



21

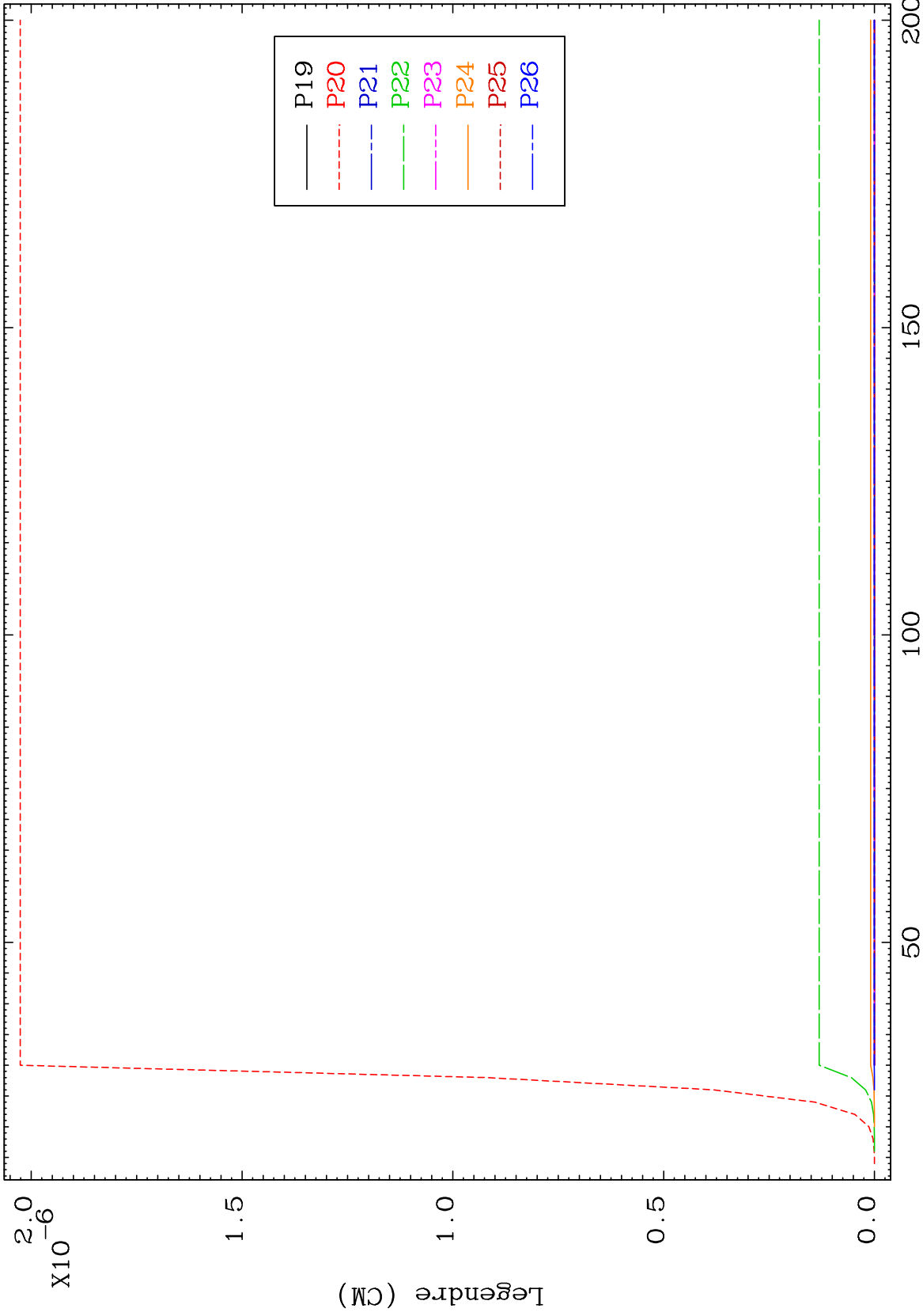
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



22

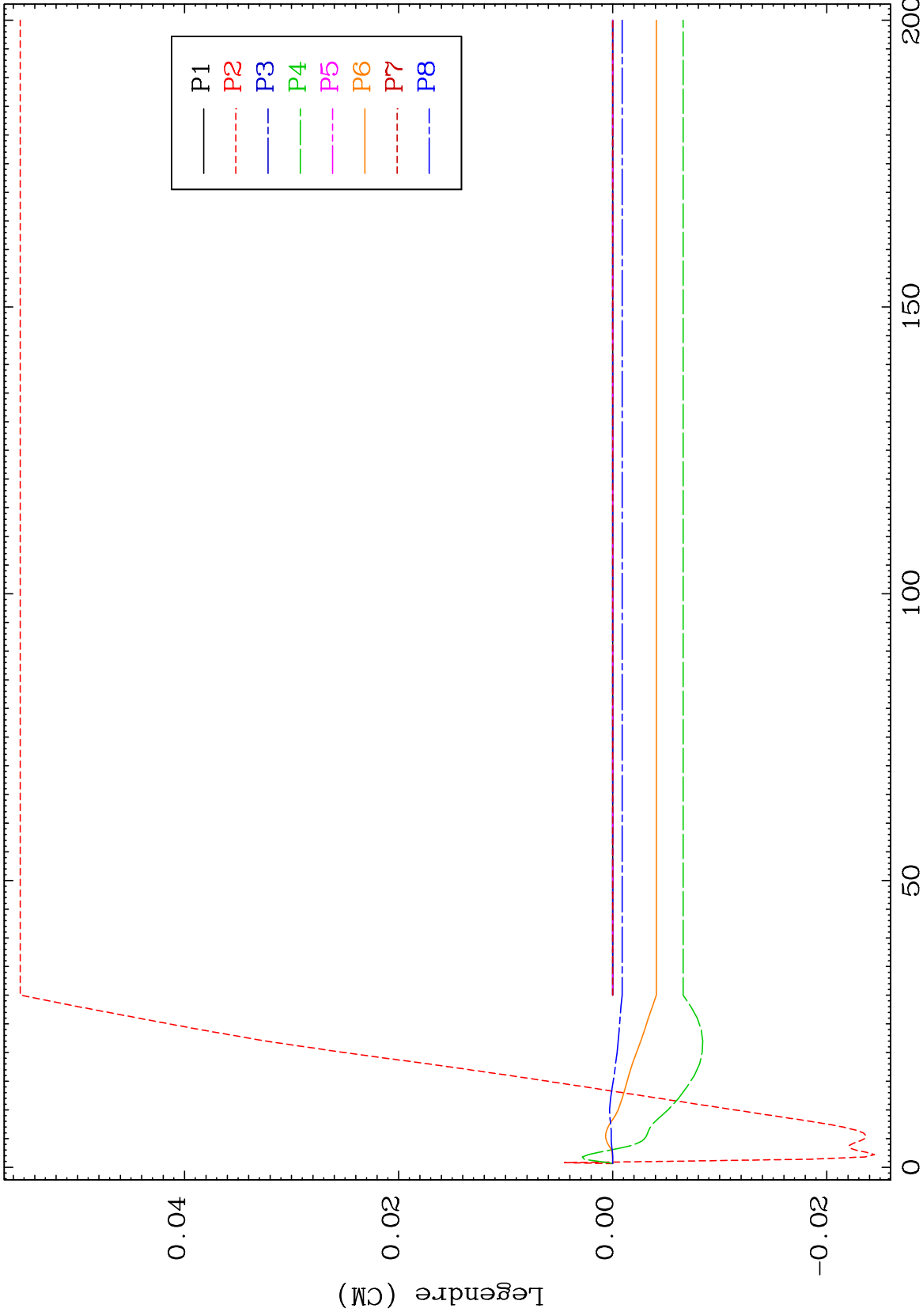
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



23

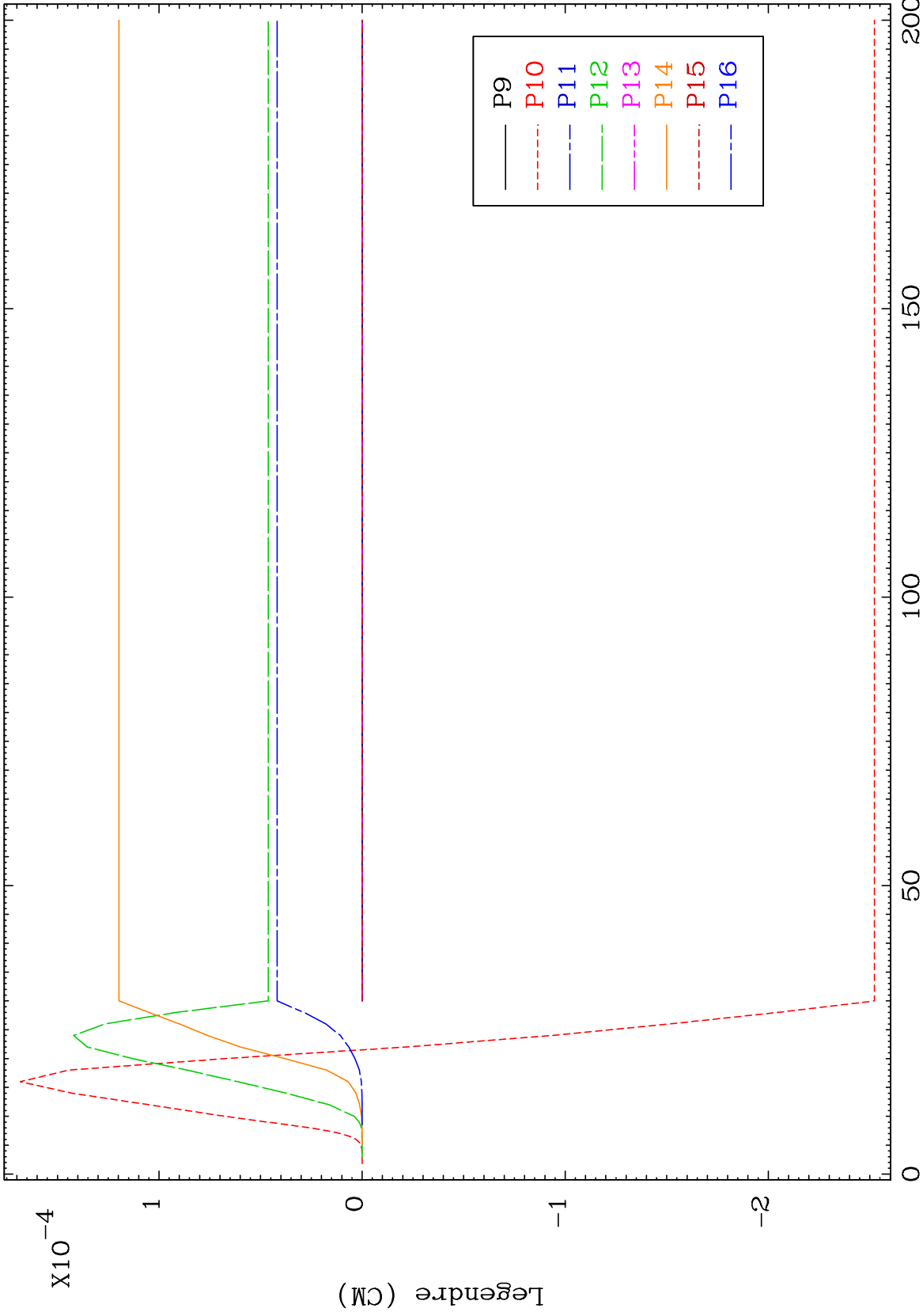
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



24

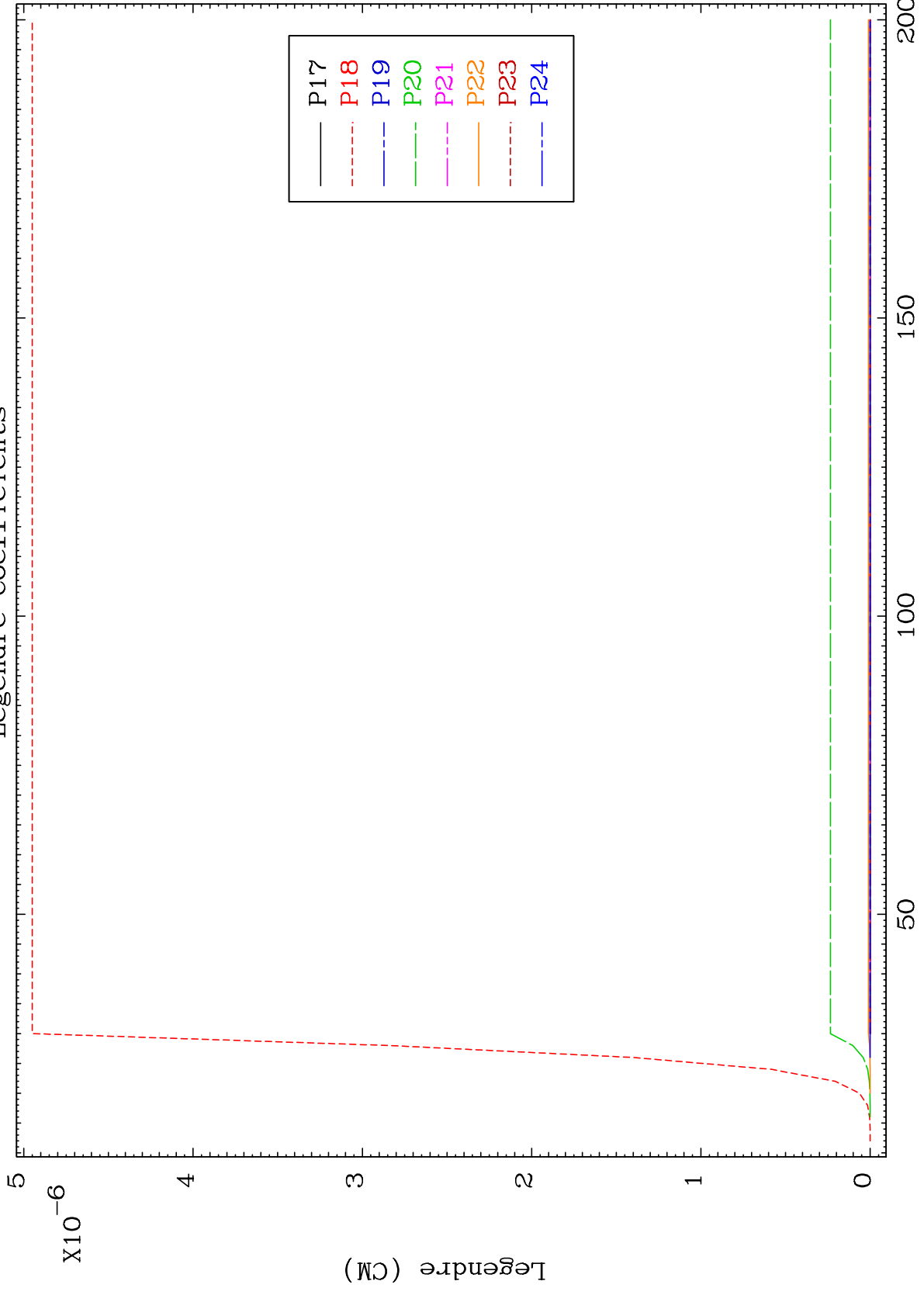
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



57-La-124

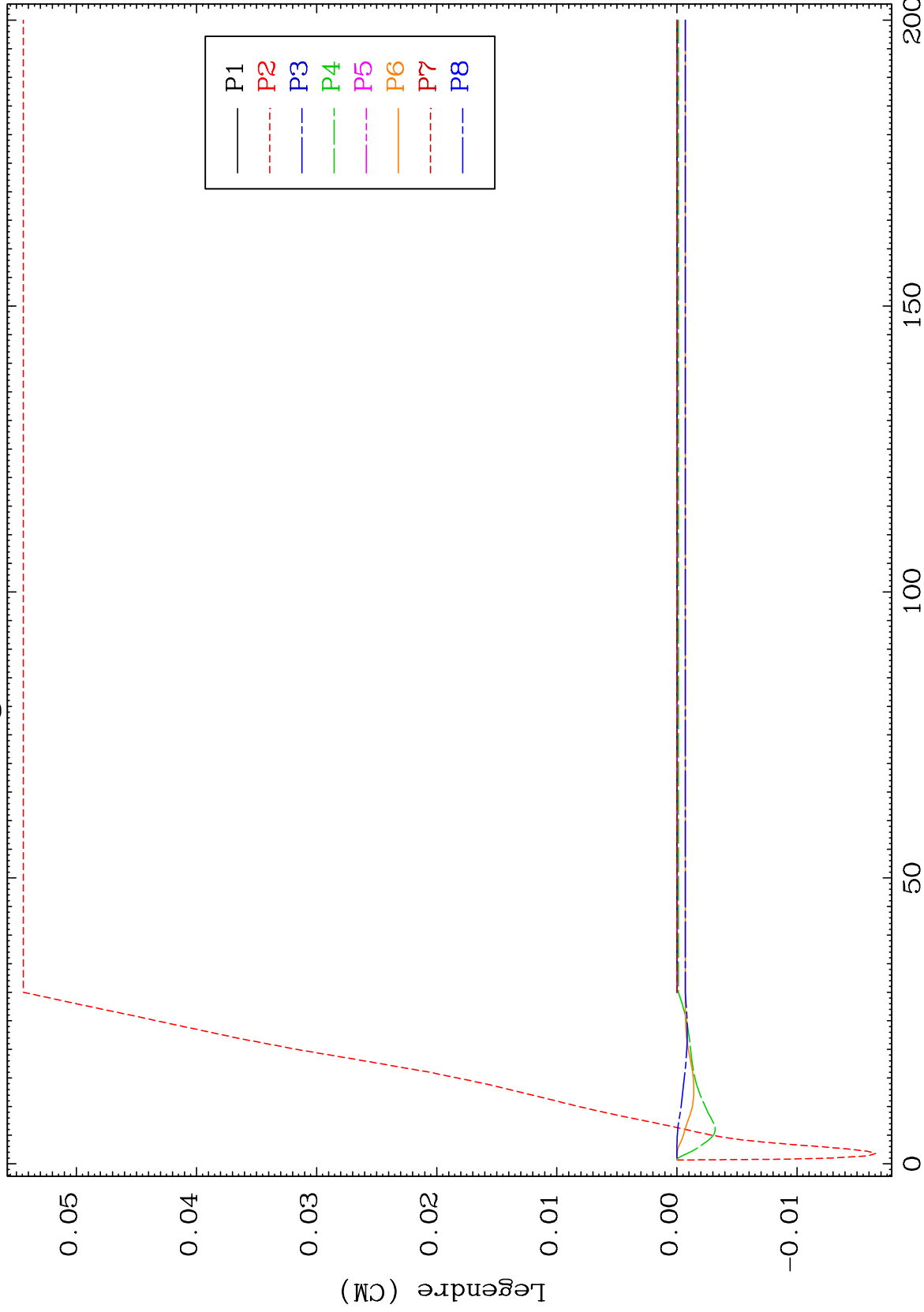
Incident Energy (MeV)

25

MAT 5683

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

57-La-124



26

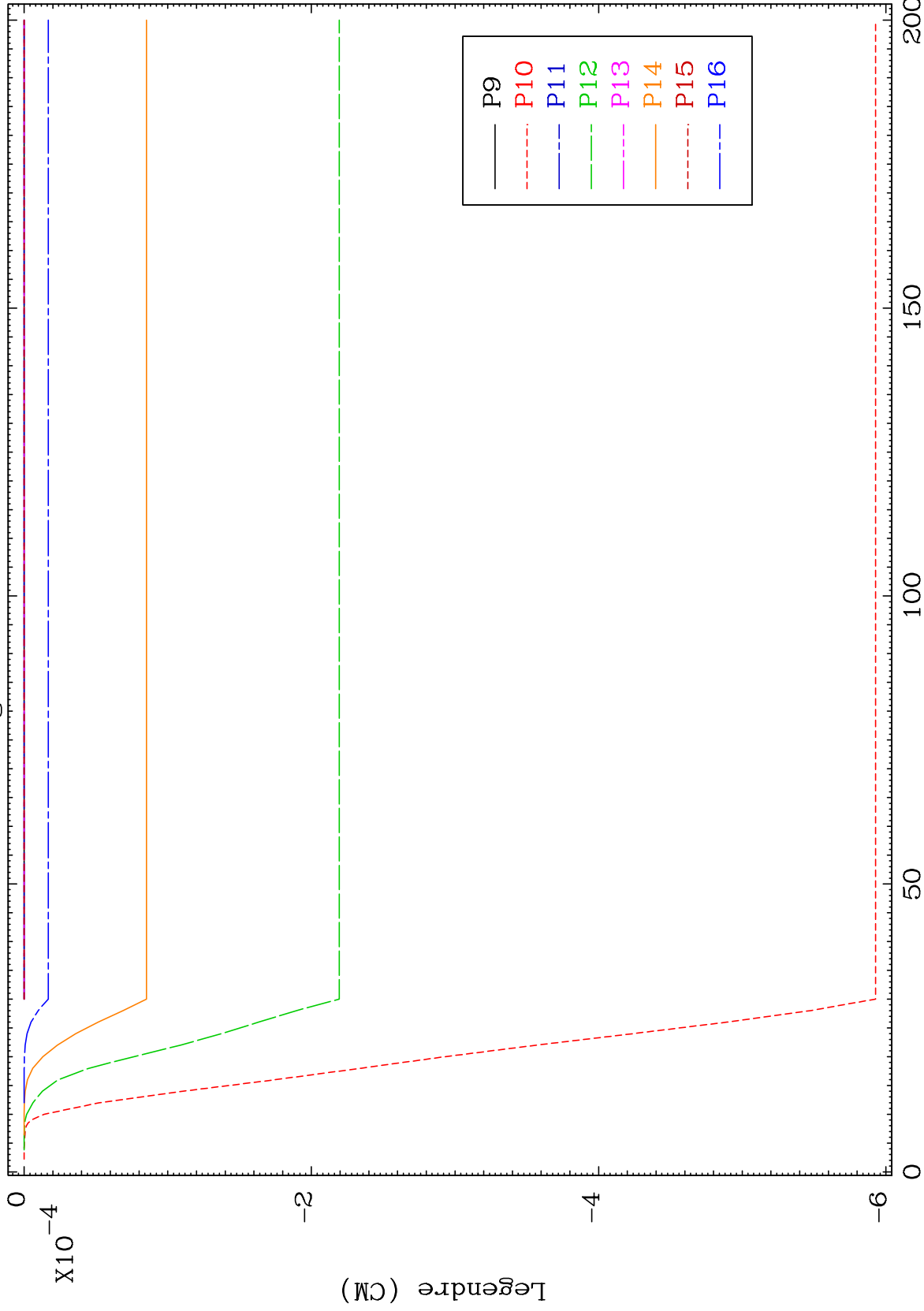
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



27

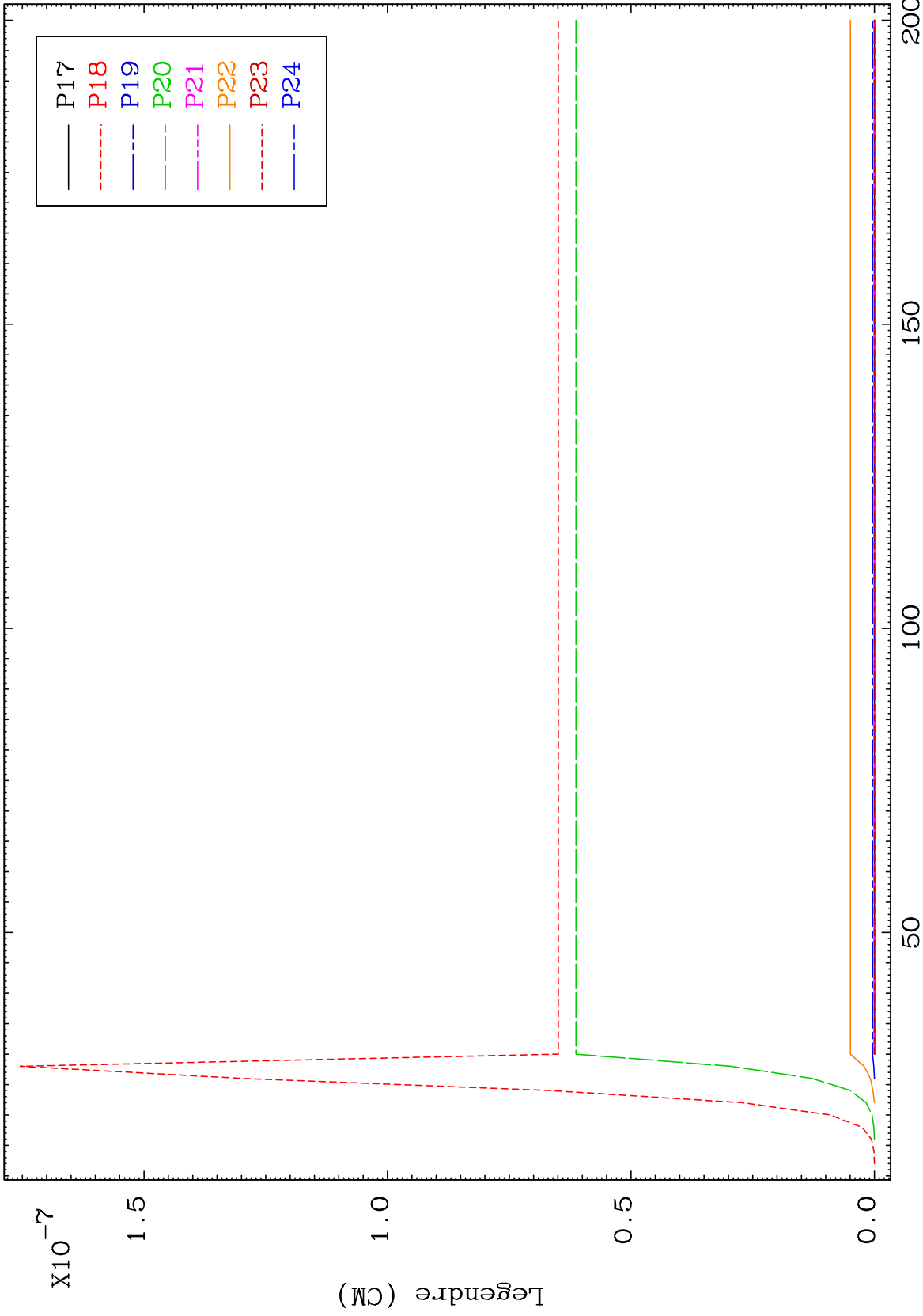
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



28

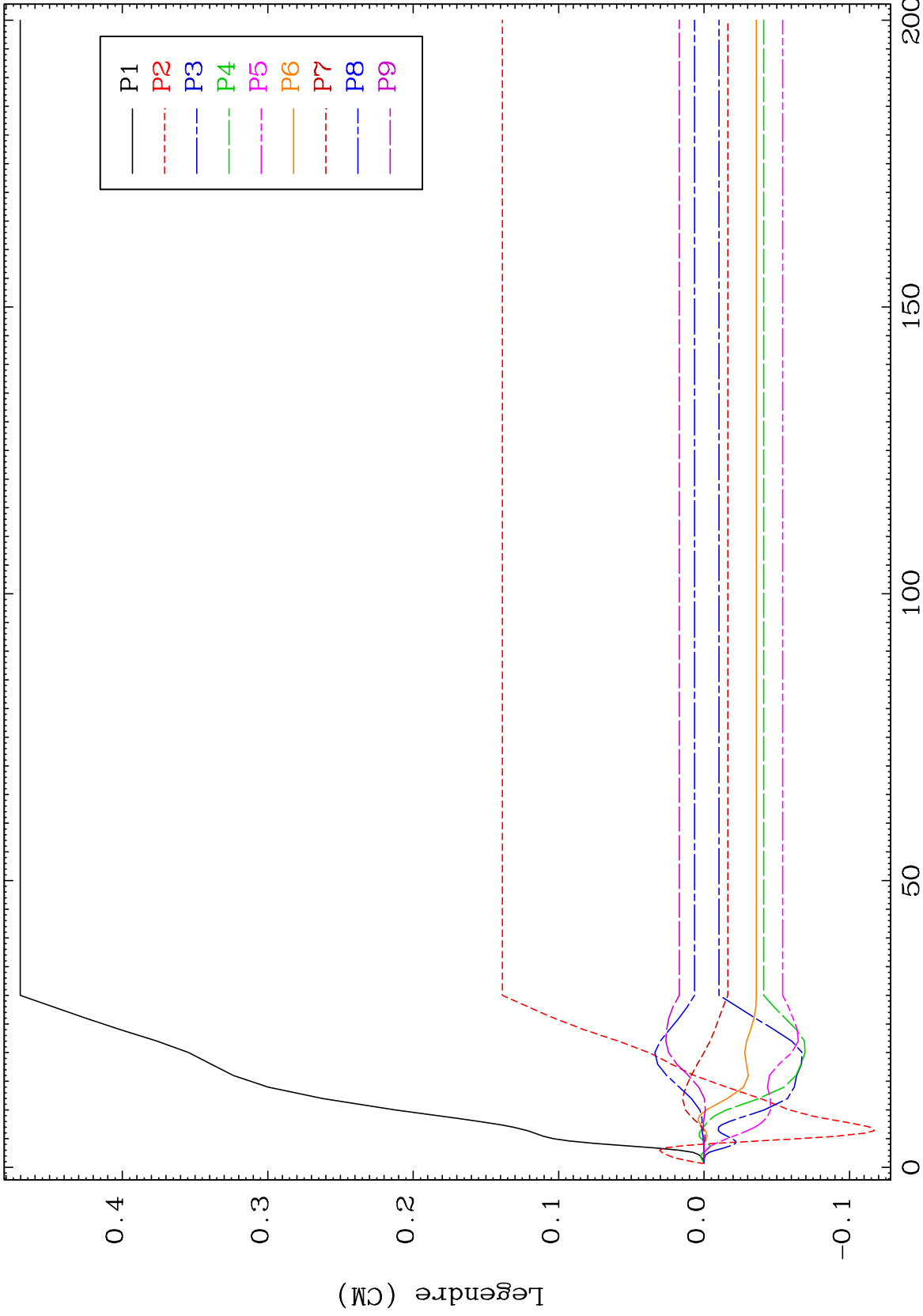
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



29

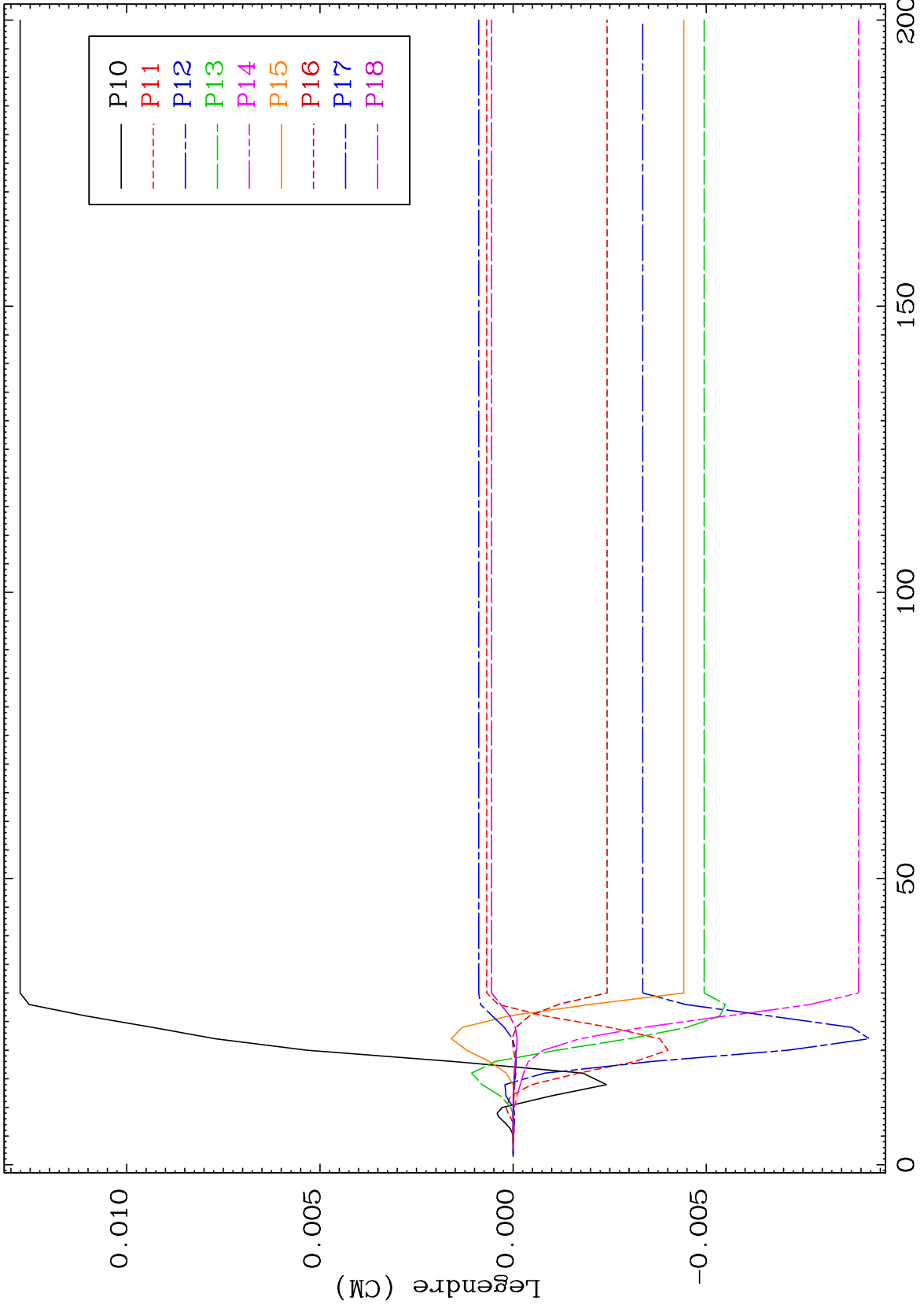
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



0

50

100

150

200

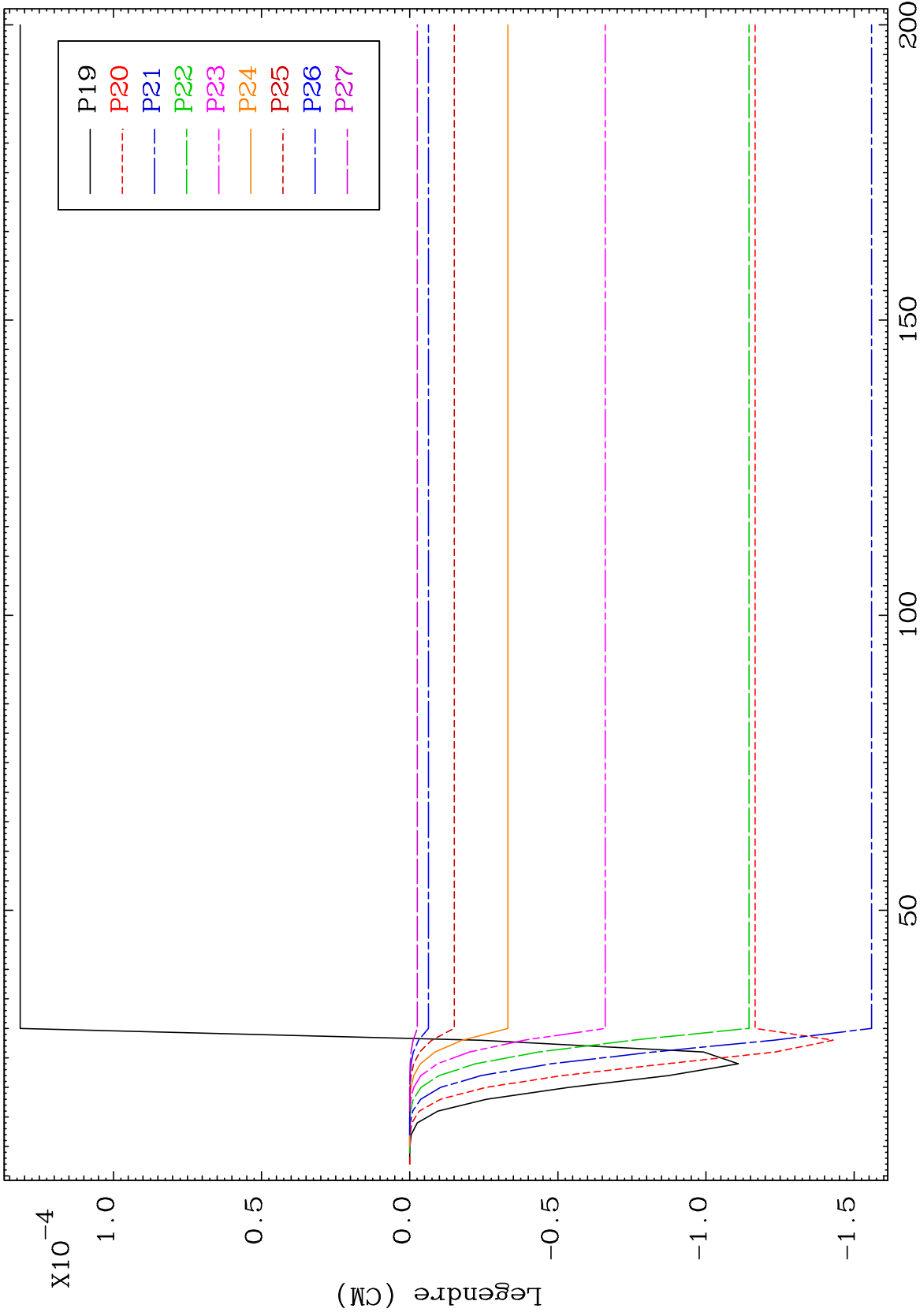
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



31

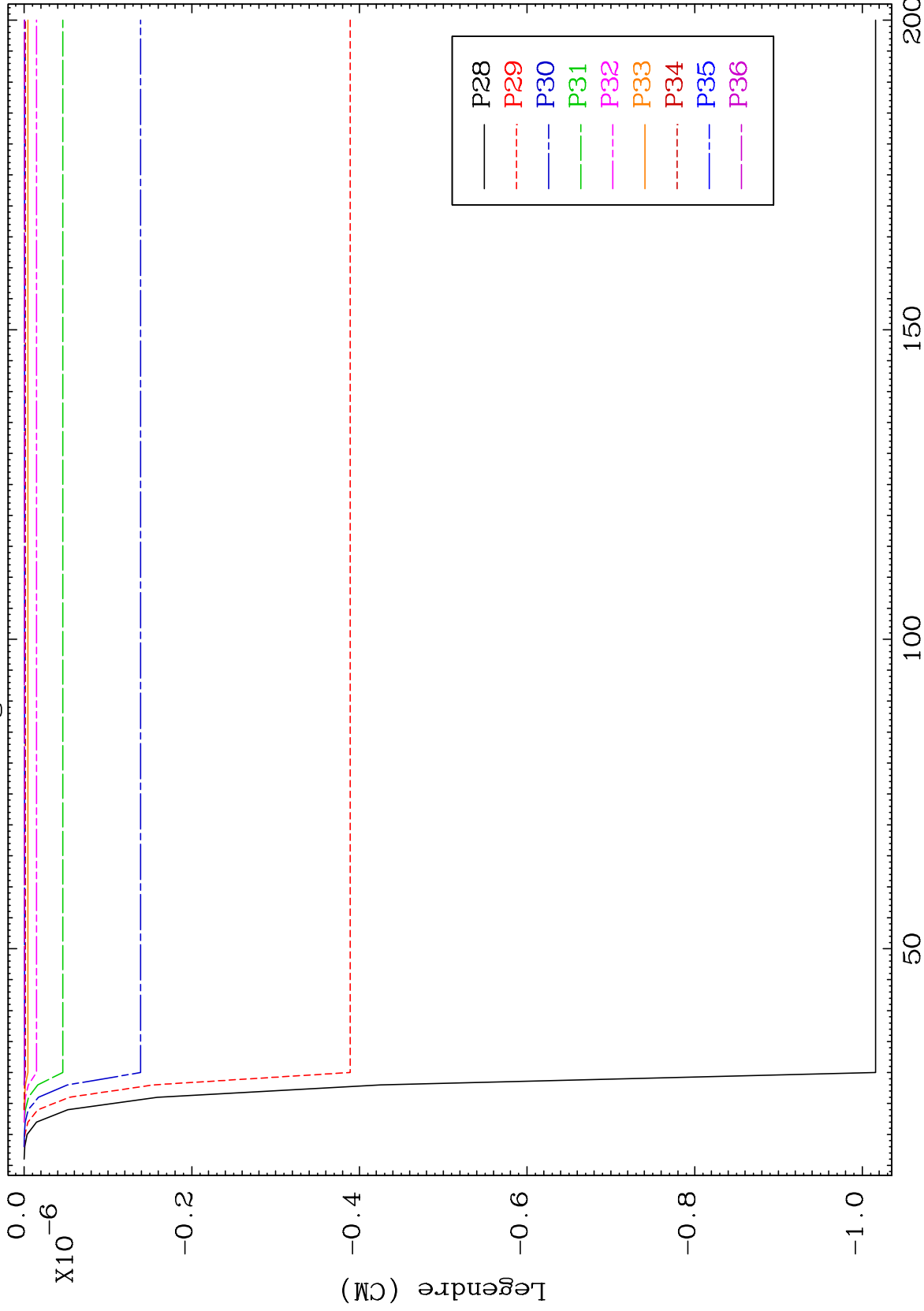
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



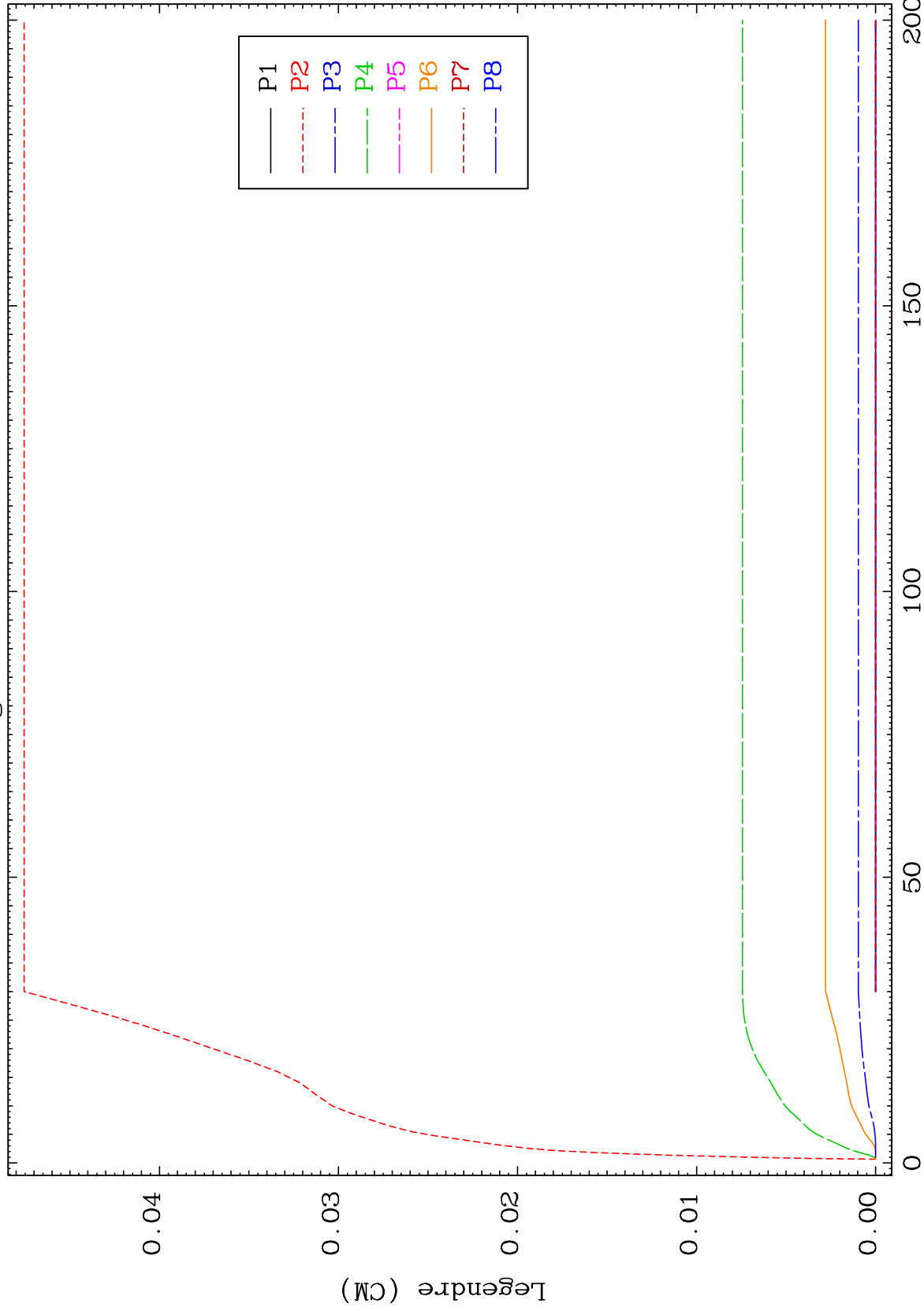
32

57-La-124

MAT 5683

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

57-La-124



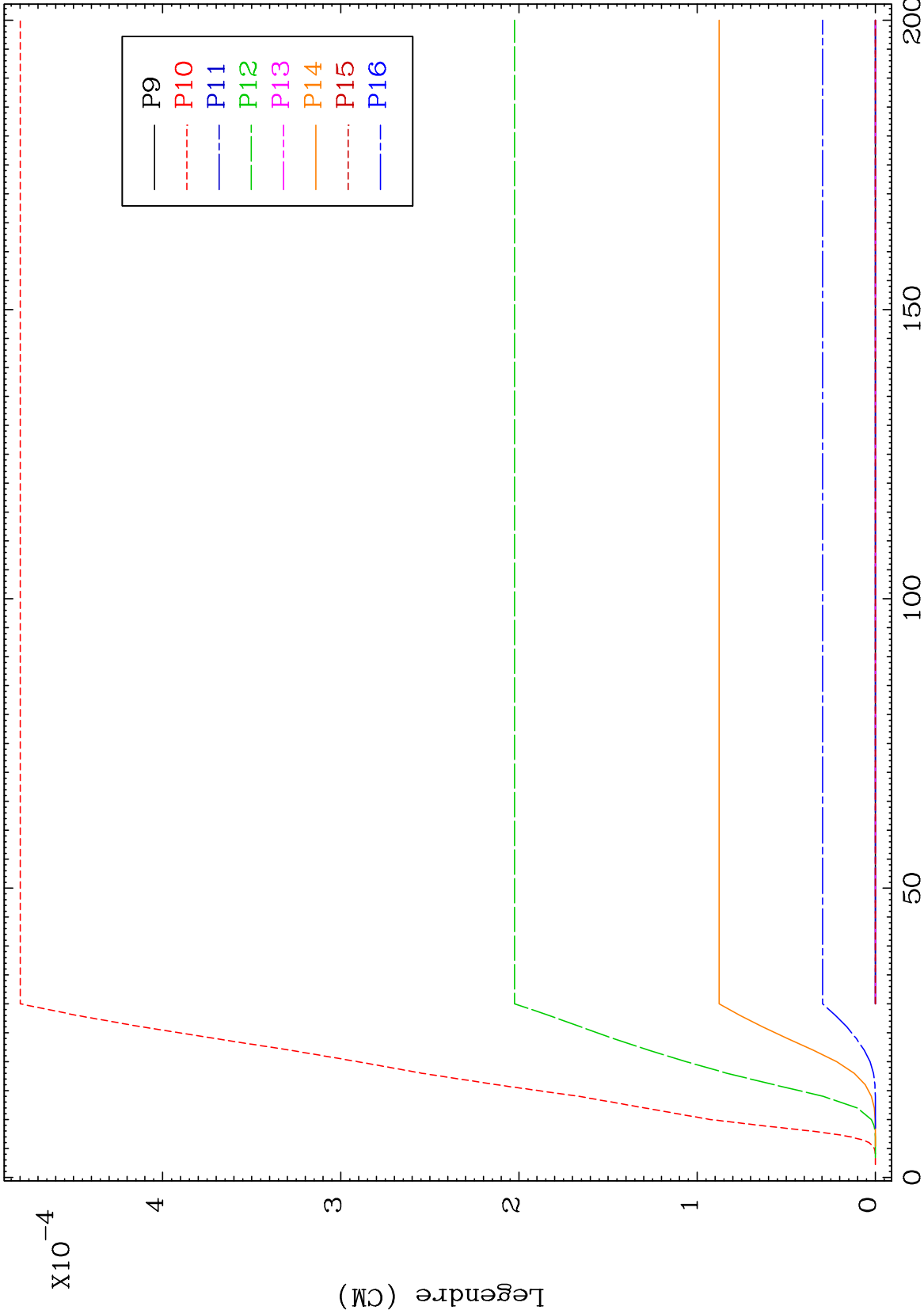
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57-La-124

MAT 5683

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

57-La-124

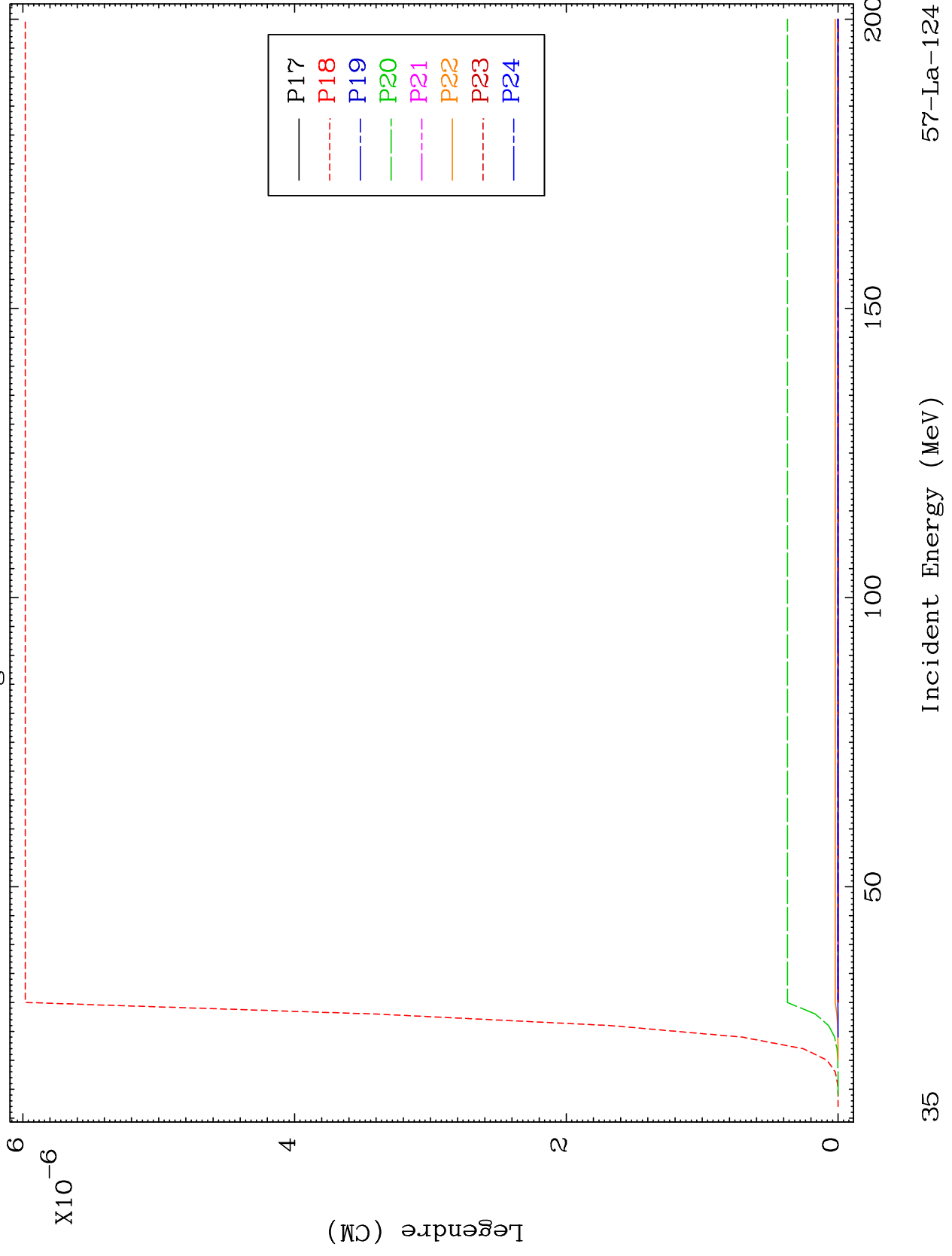


34

Incident Energy (MeV)

57-La-124

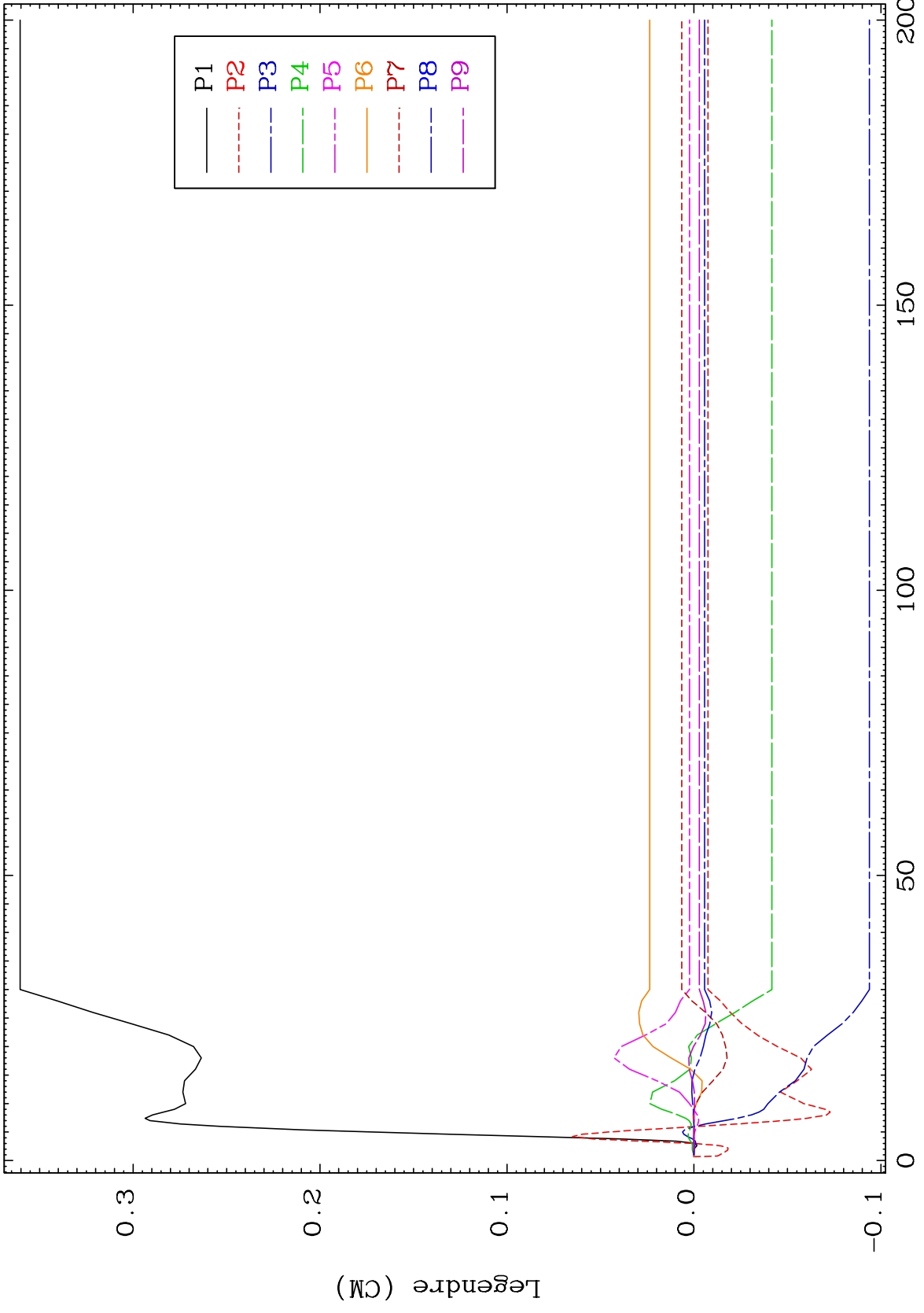
MAT 5683 MT= 55 (n,n') Level Legendre Coefficients 57-La-124



MAT 5683

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

57-La-124



36

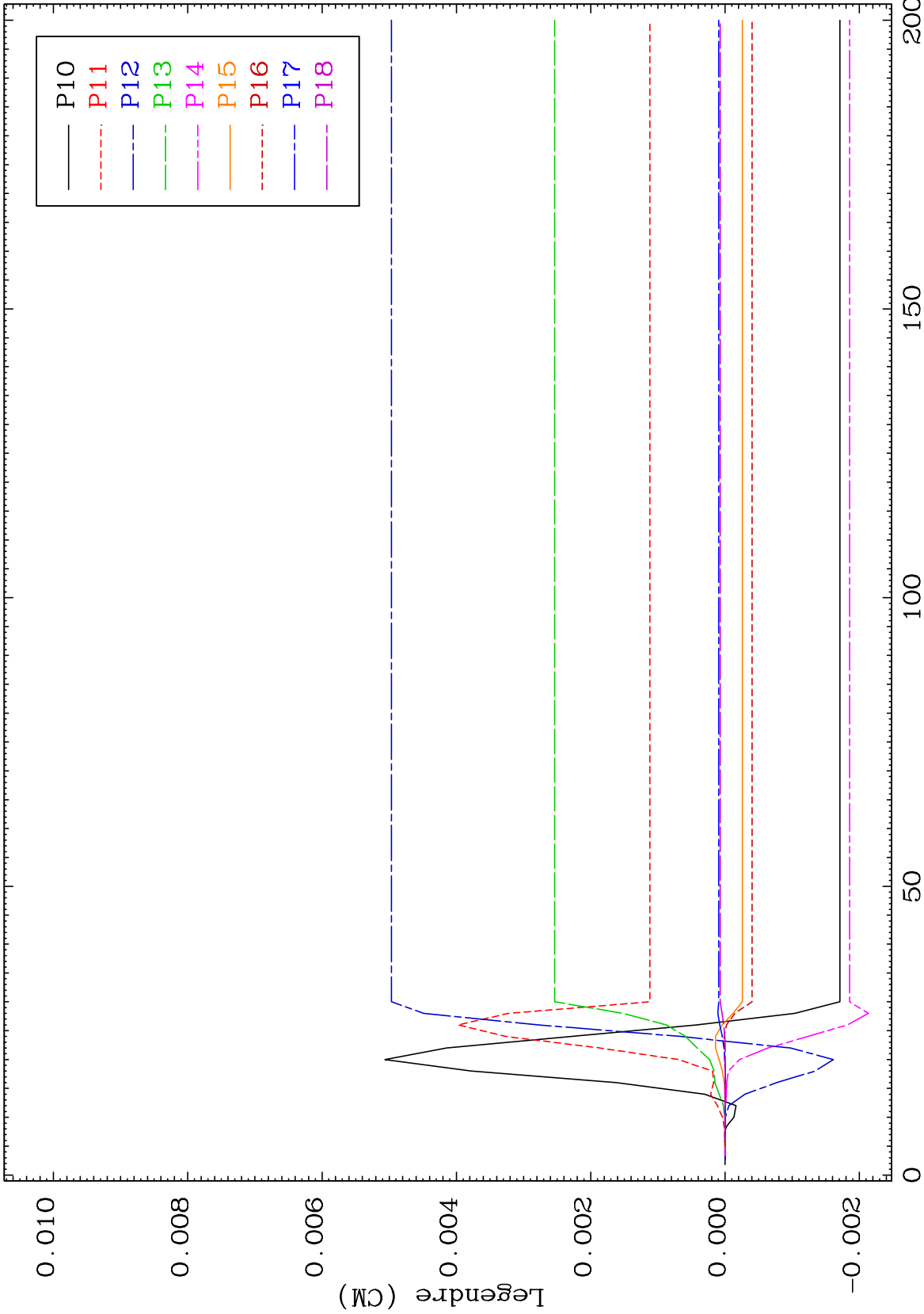
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



37

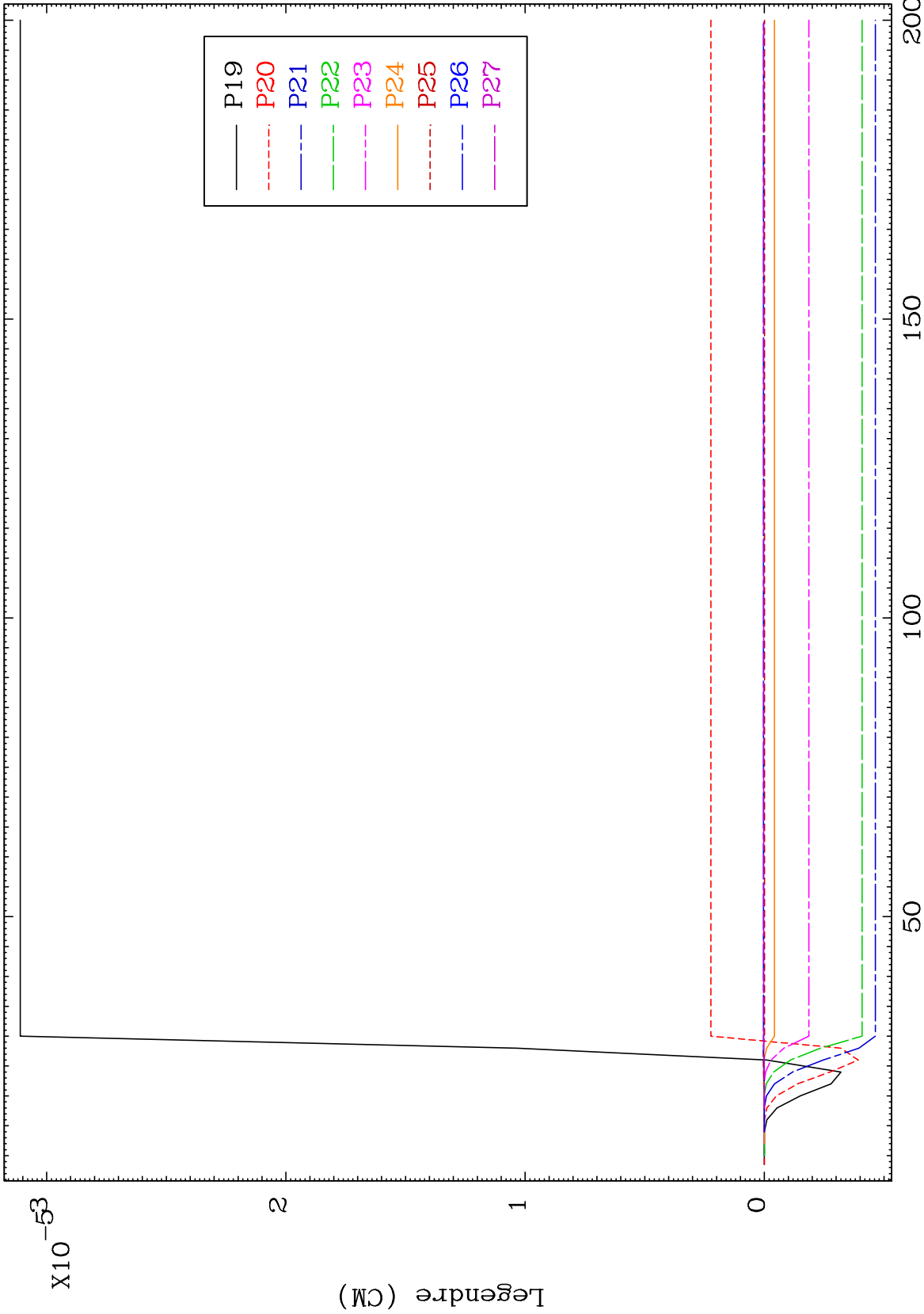
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



38

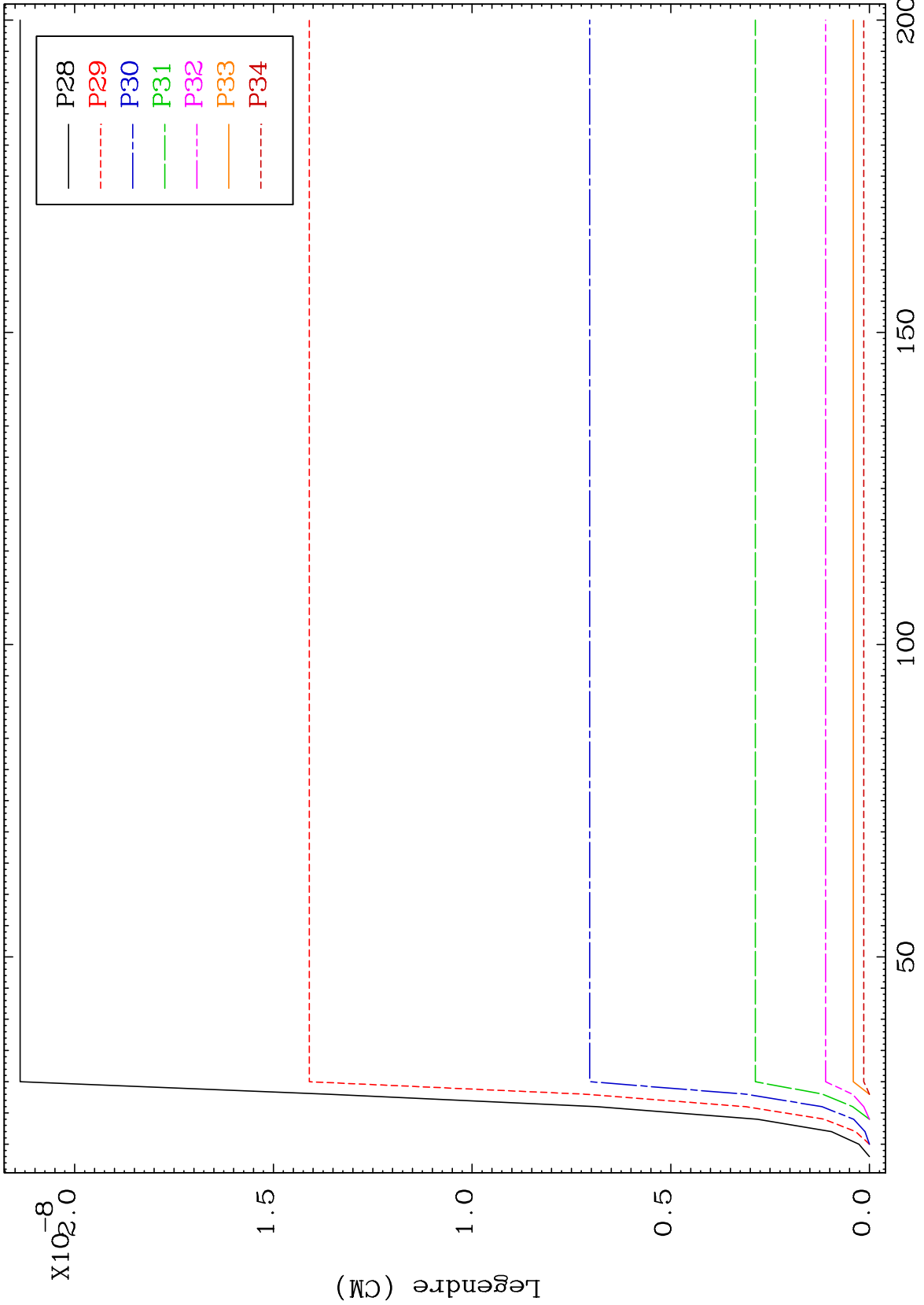
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



39

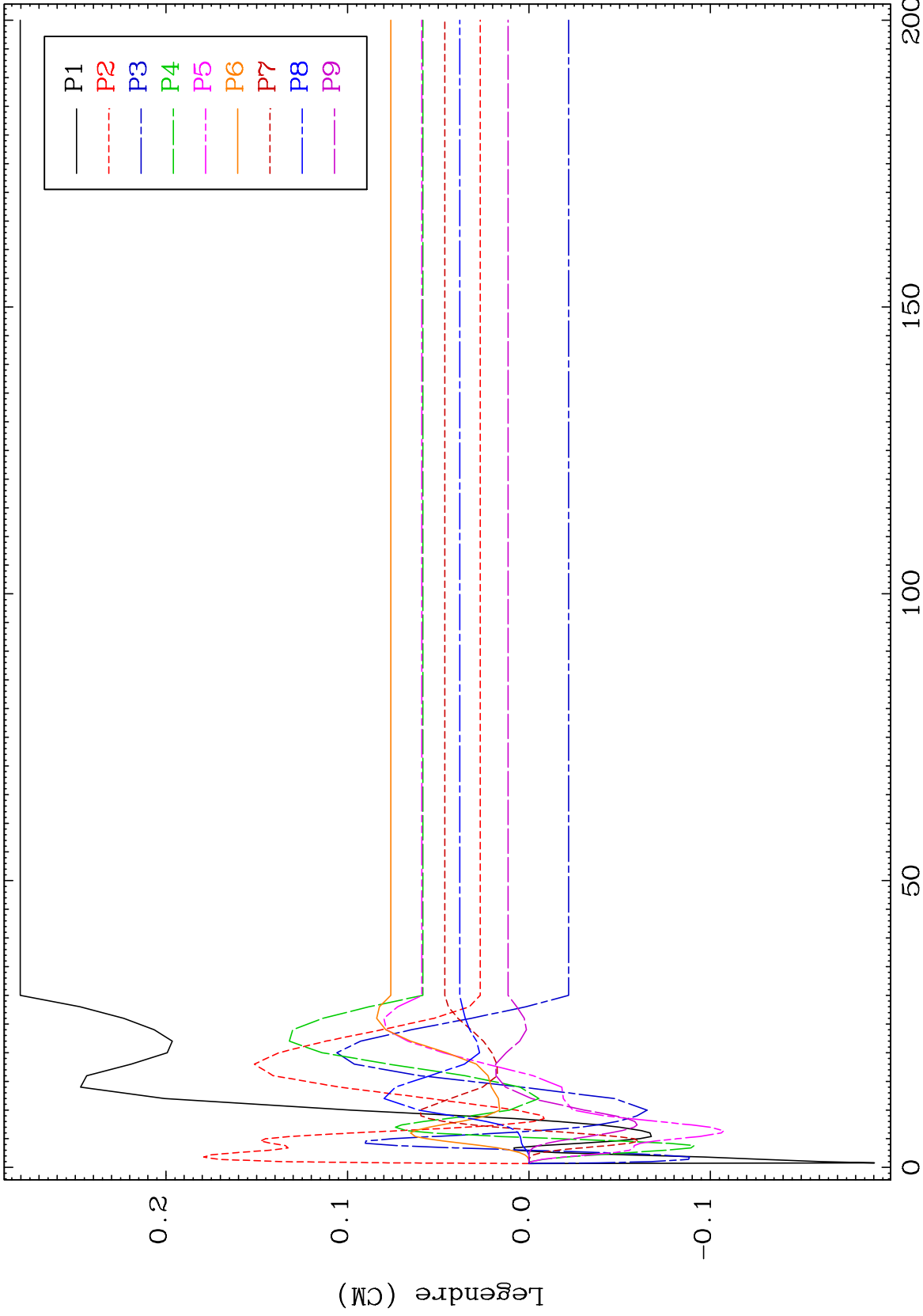
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



57-La-124

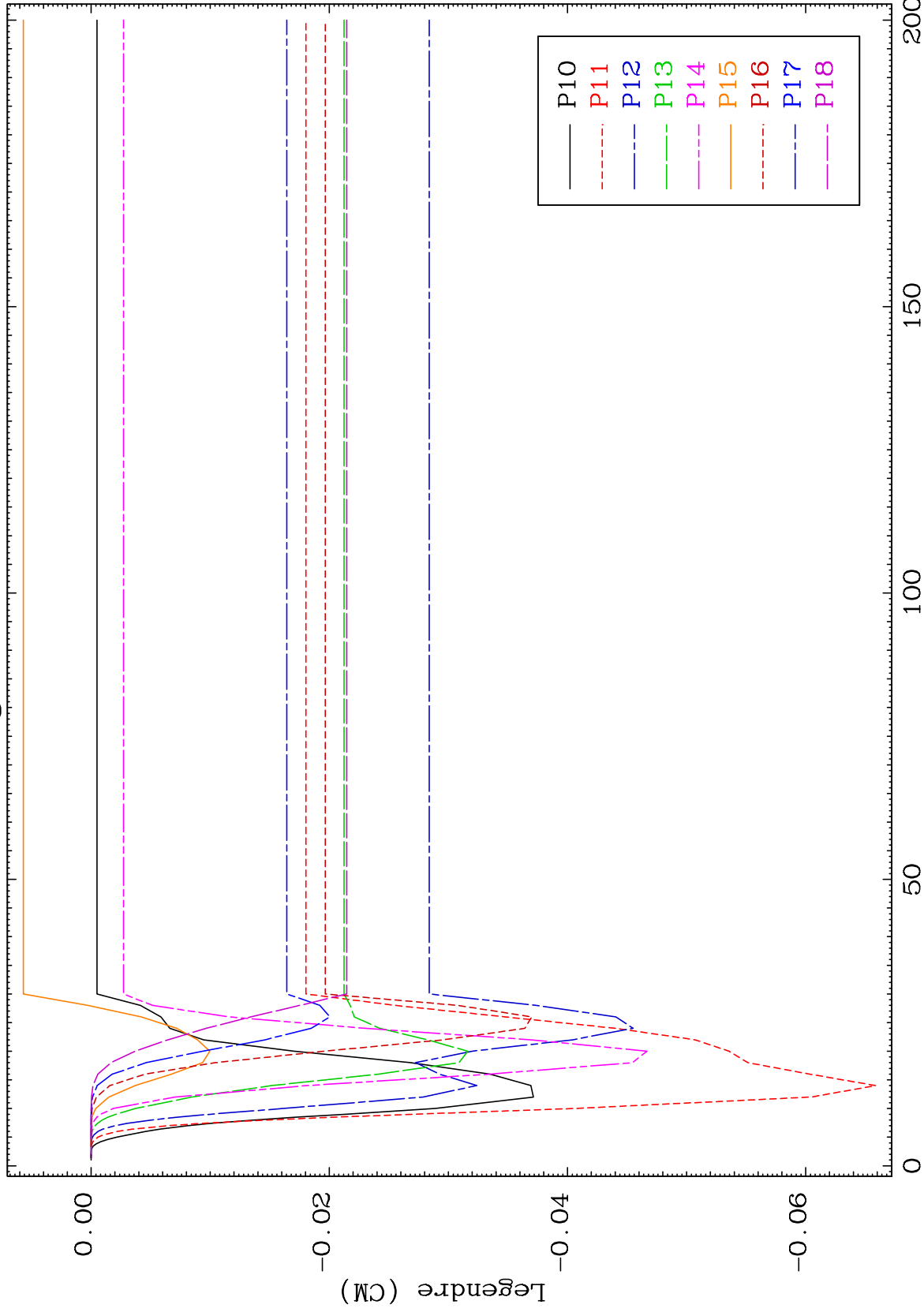
Incident Energy (MeV)

40

MAT 5683

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

57-La-124

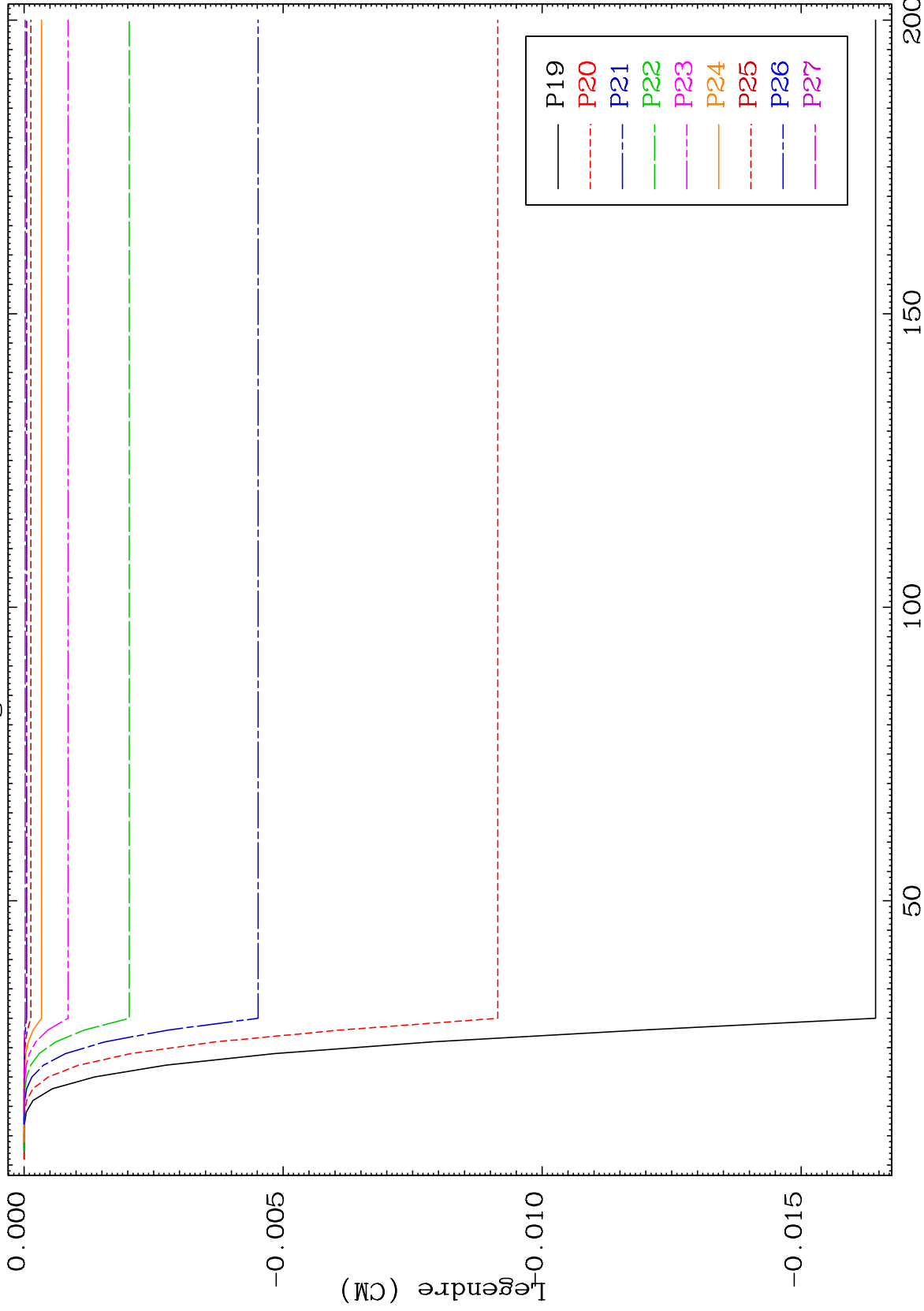


41

Incident Energy (MeV)

57-La-124

MAT 5683 MT= 57 (n,n') Level Legendre Coefficients 57-La-124

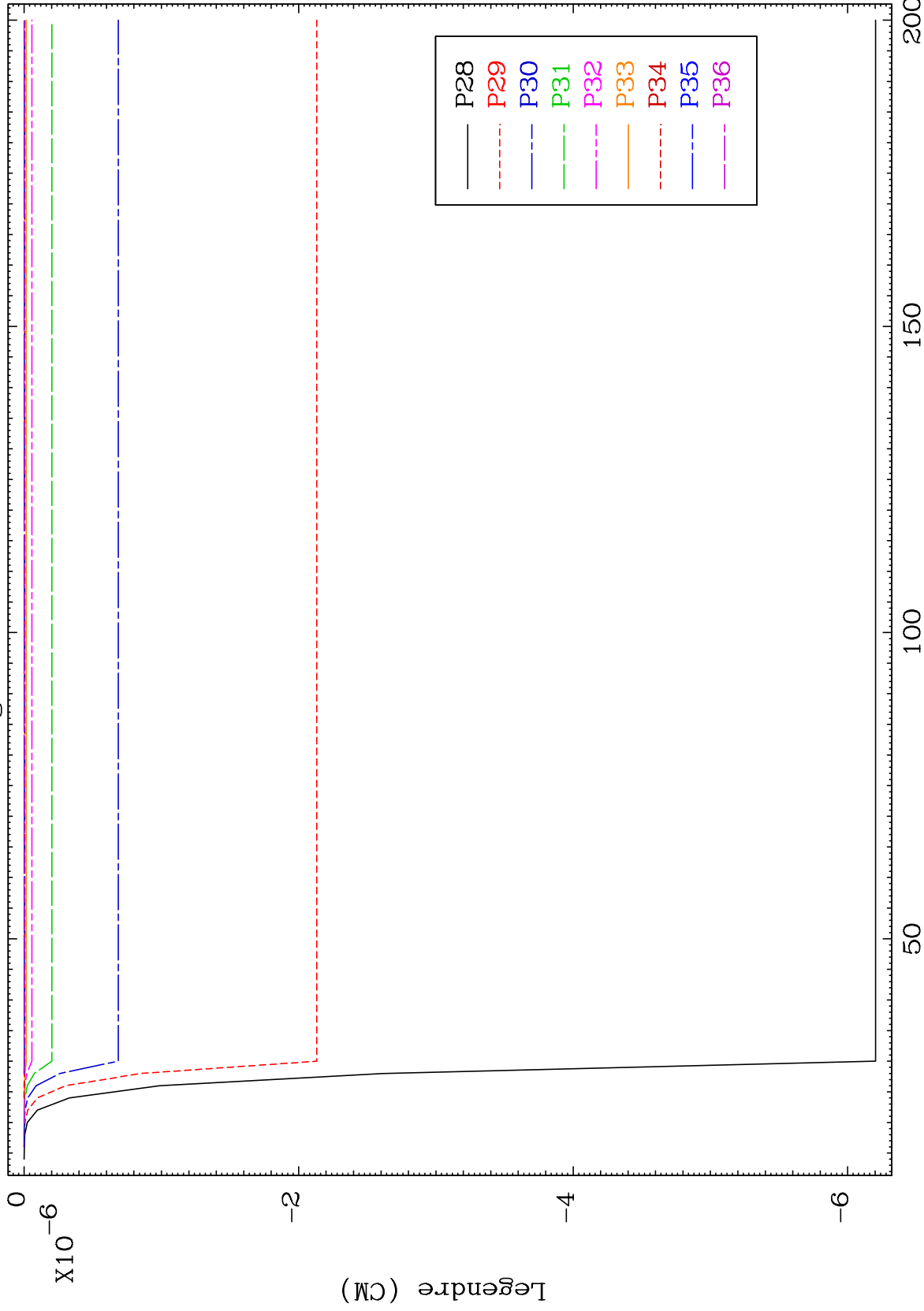


42 Incident Energy (MeV) 57-La-124

MAT 5683

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

57-La-124



43

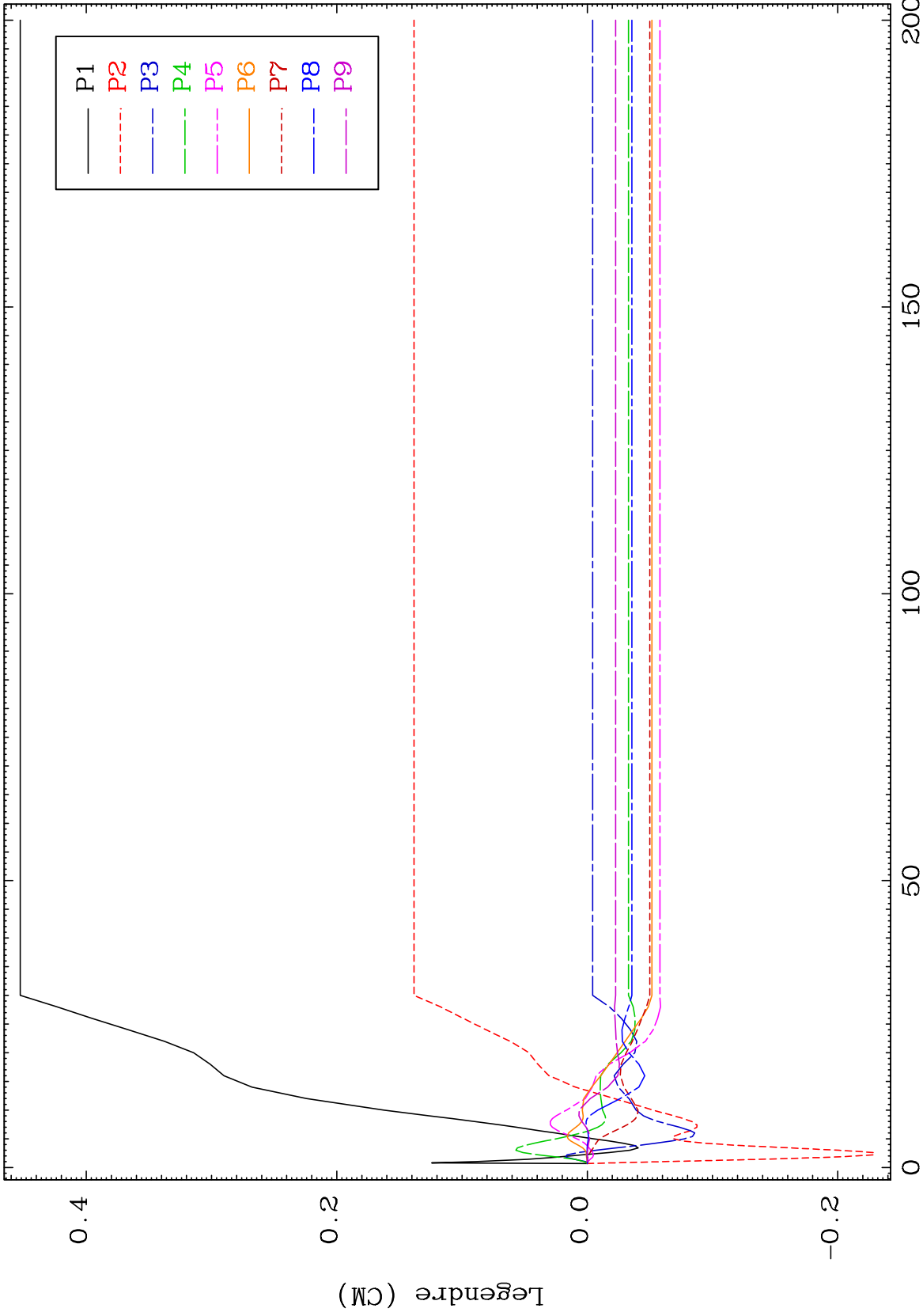
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



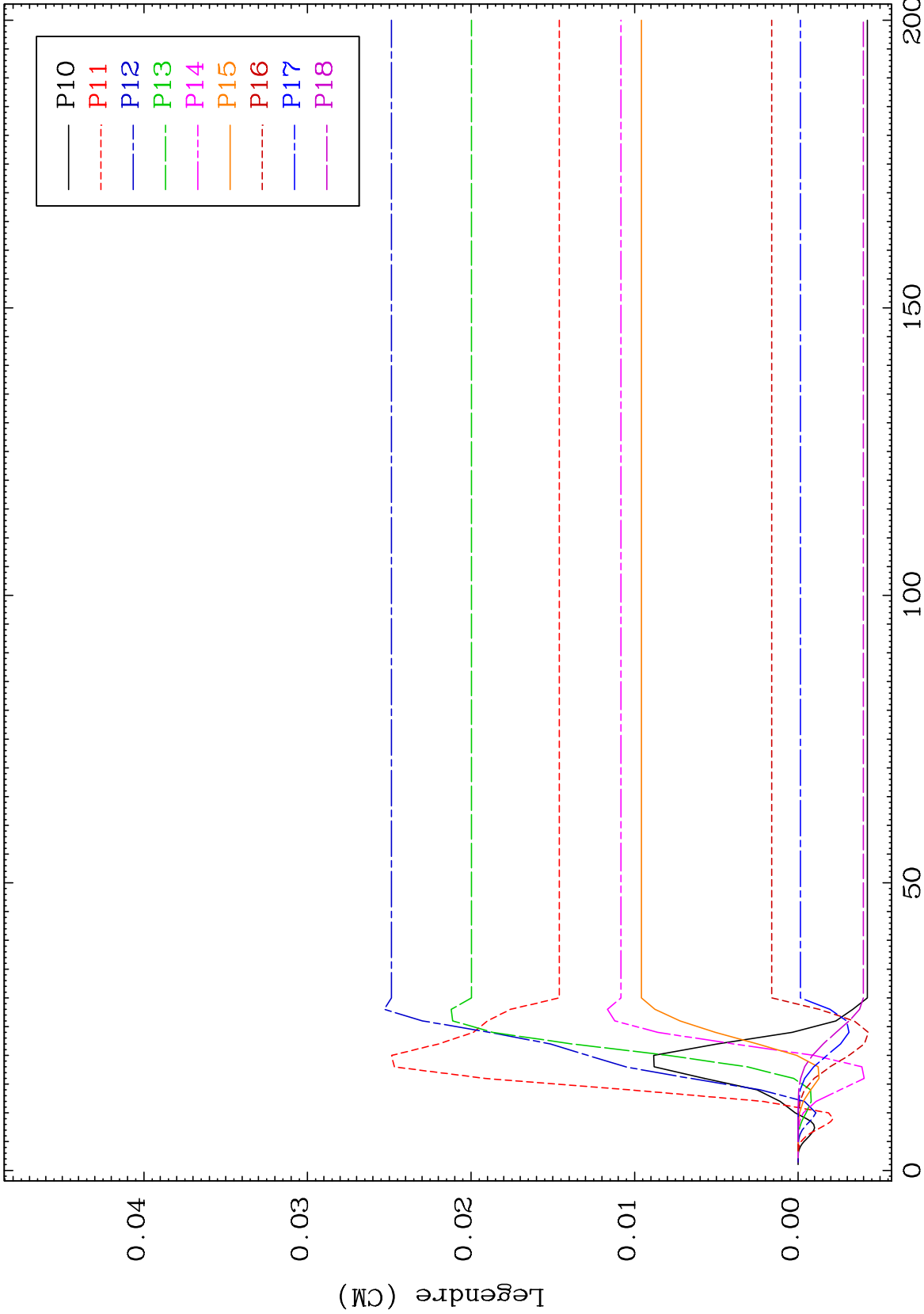
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57-La-124

MAT 5683

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

57-La-124



45

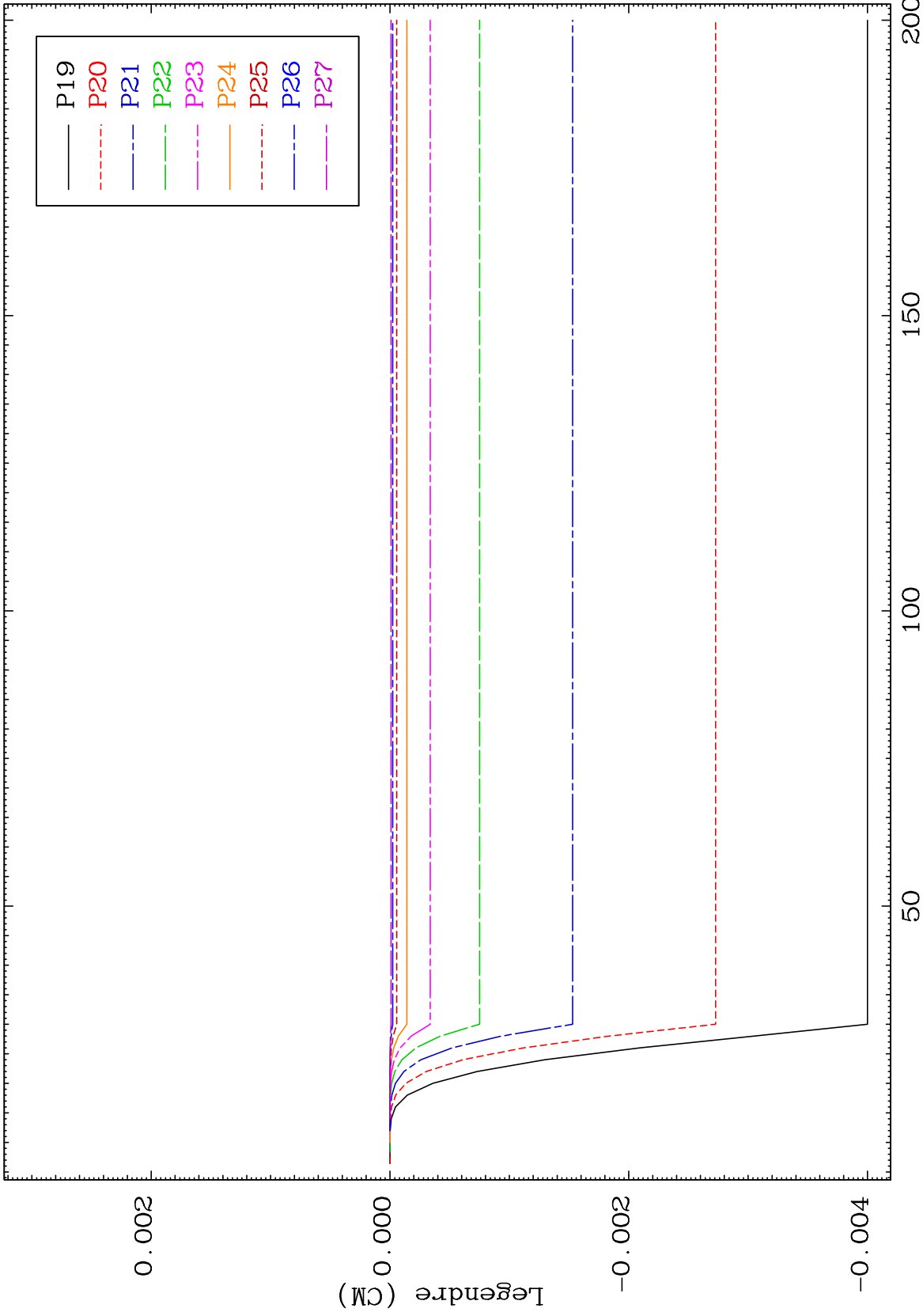
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



46

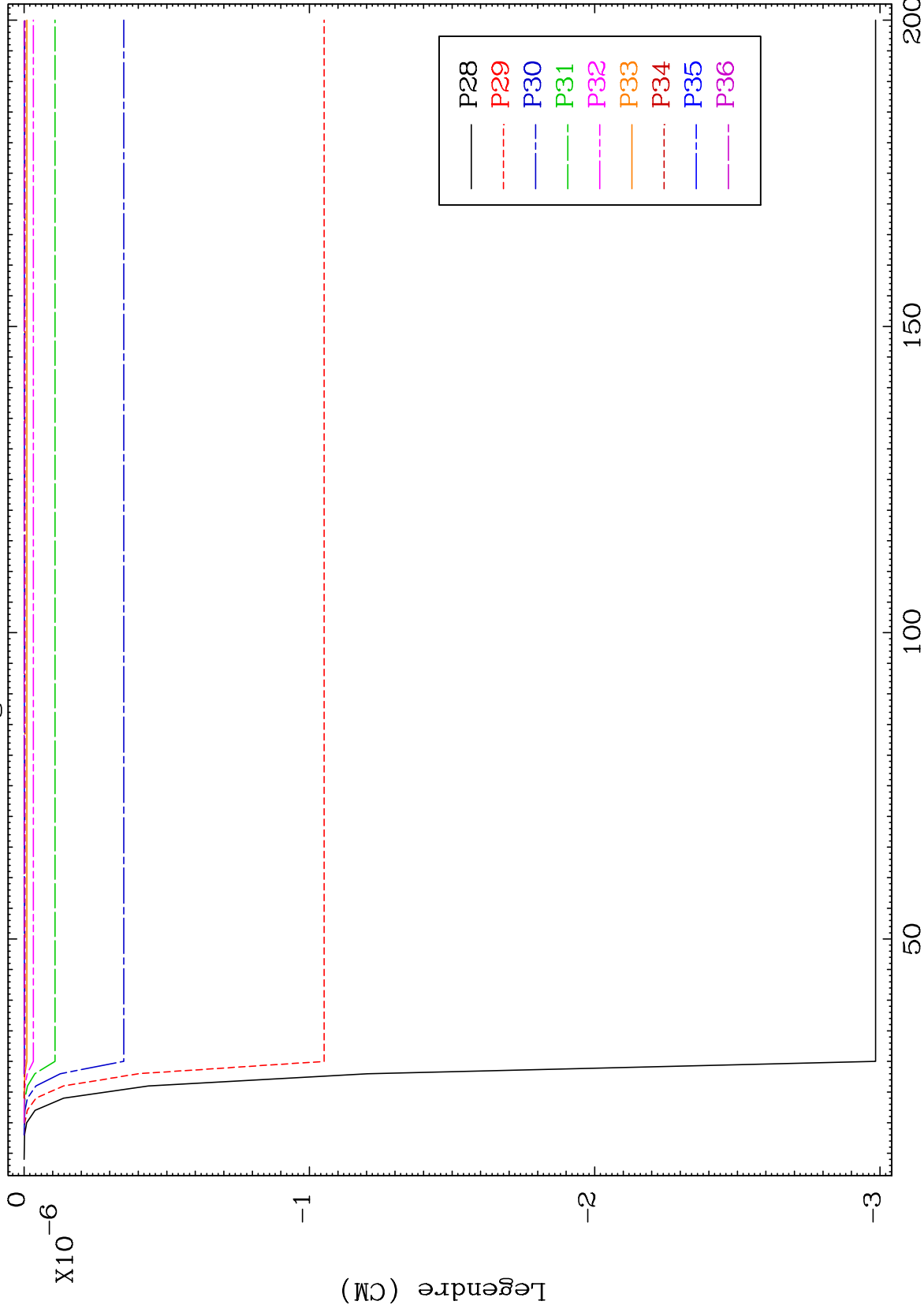
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



57-La-124

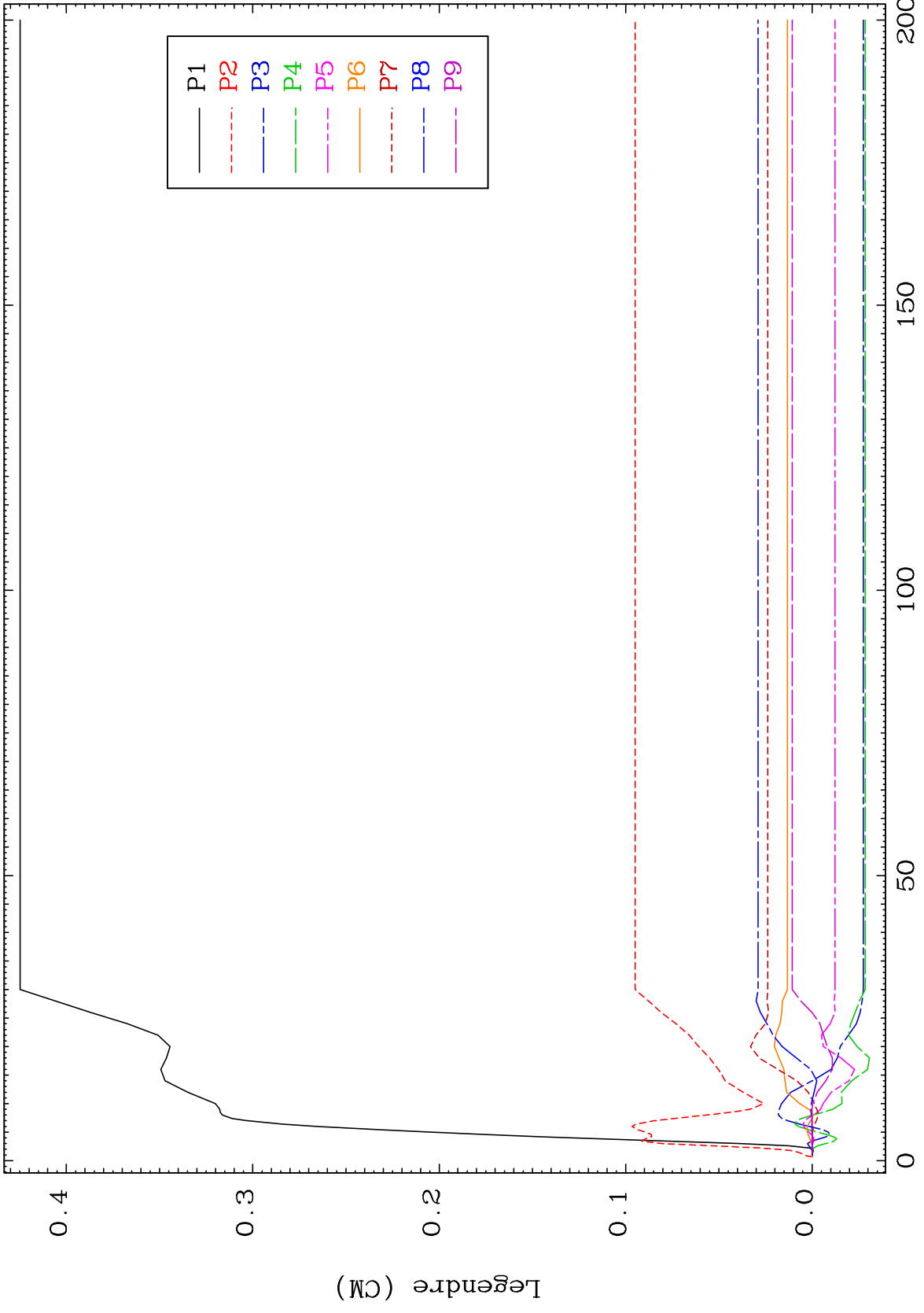
Incident Energy (MeV)

47

MAT 5683

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

57-La-124



48

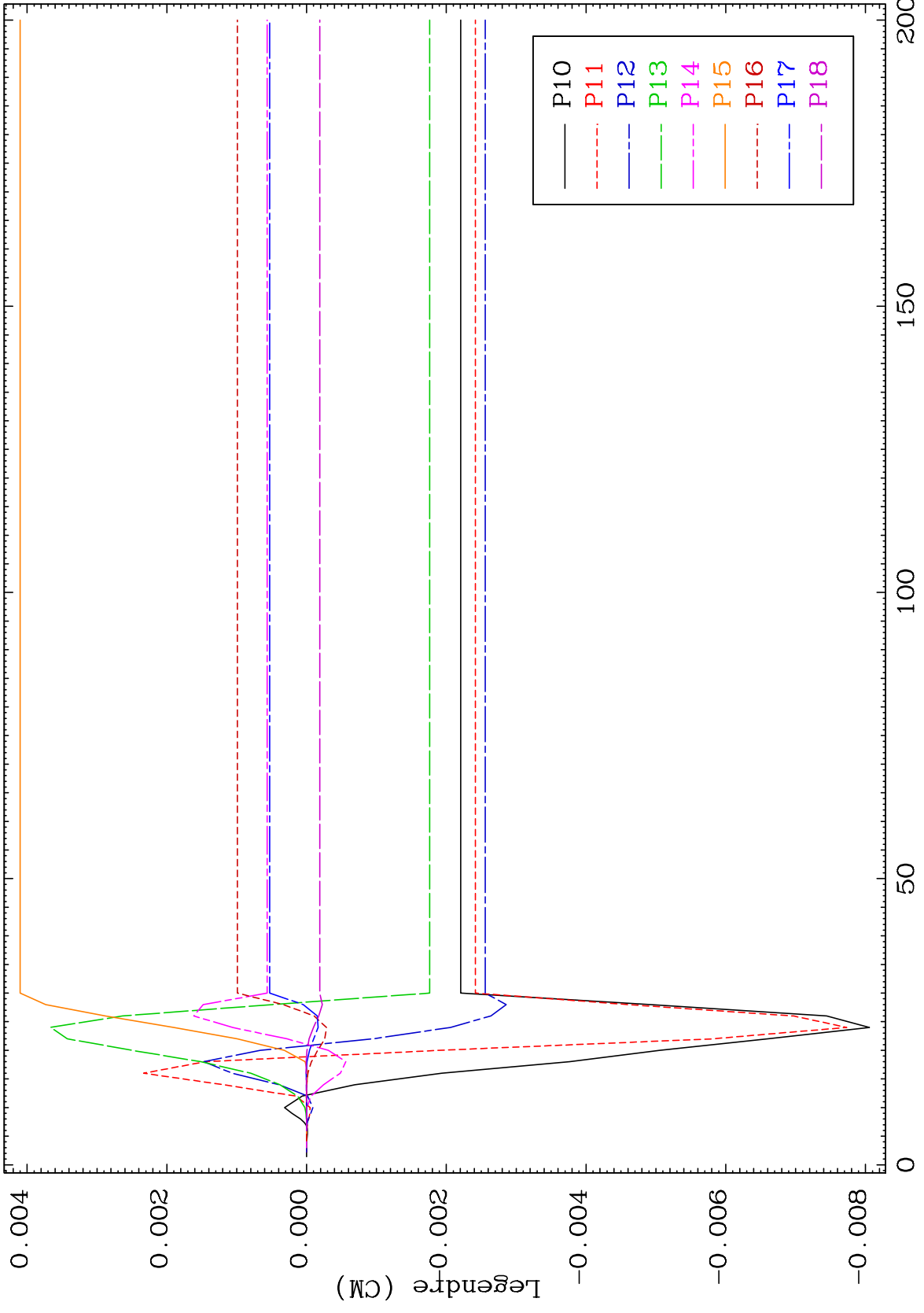
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



49

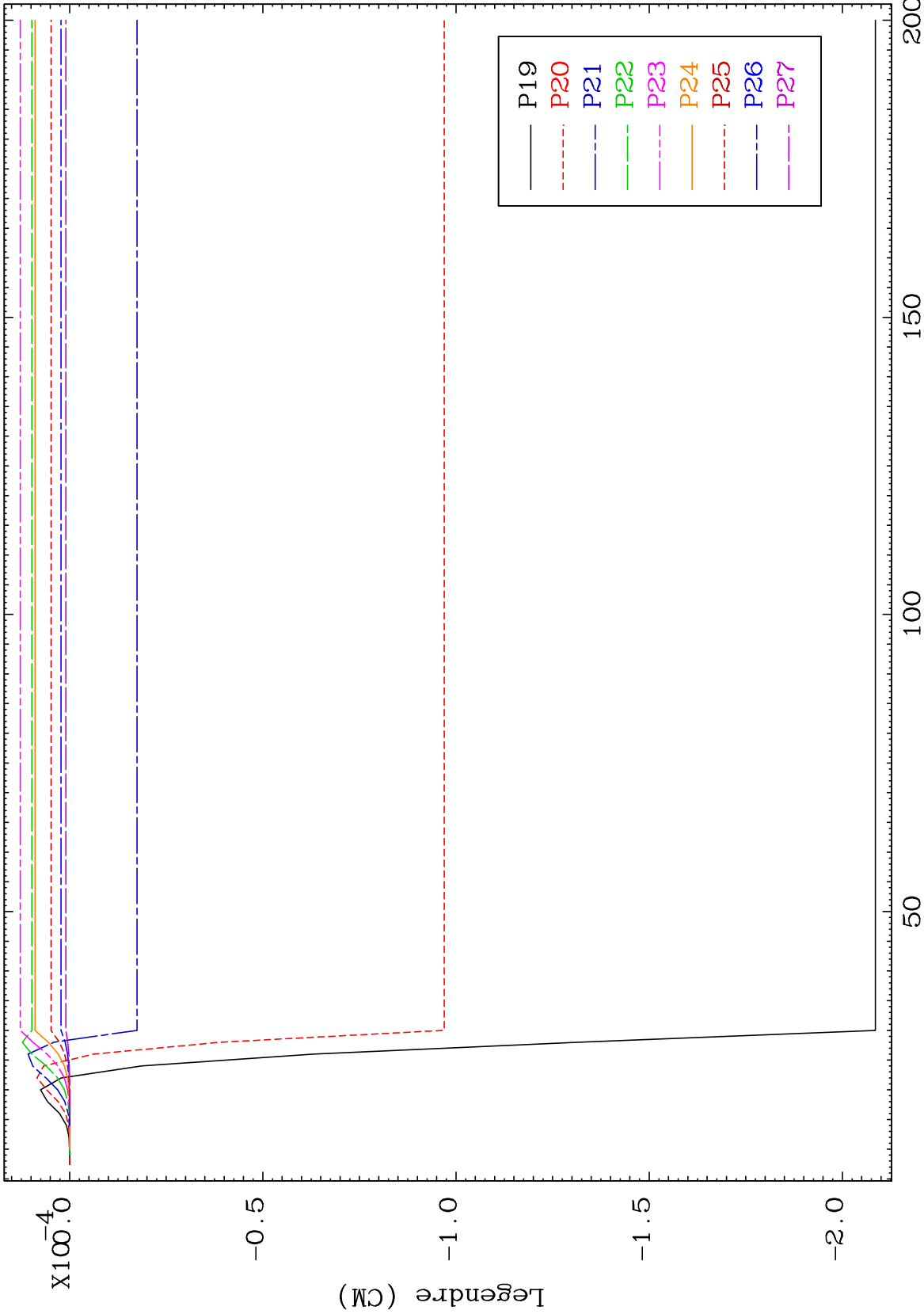
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



57-La-124

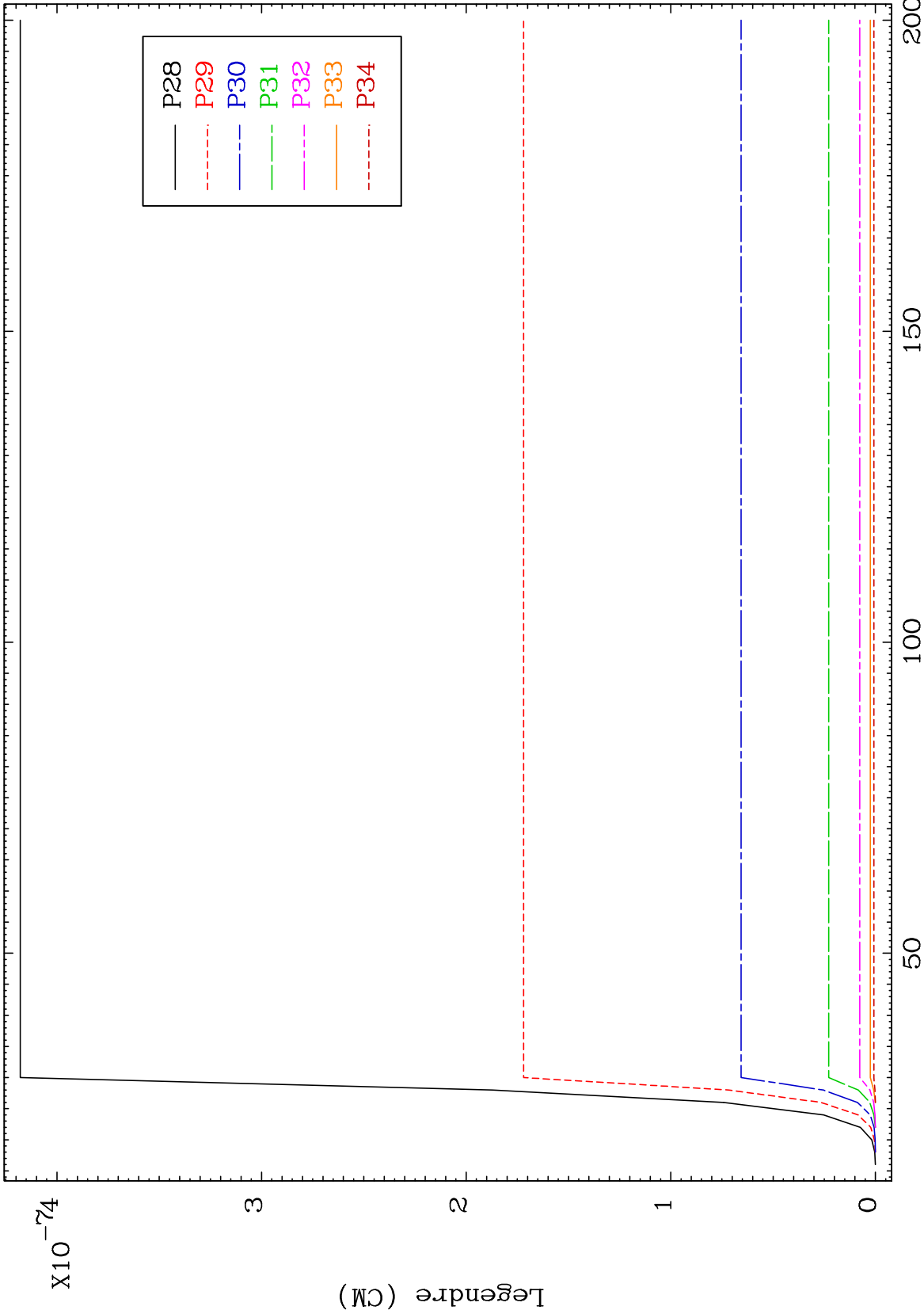
Incident Energy (MeV)

50

MAT 5683

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

57-La-124



51

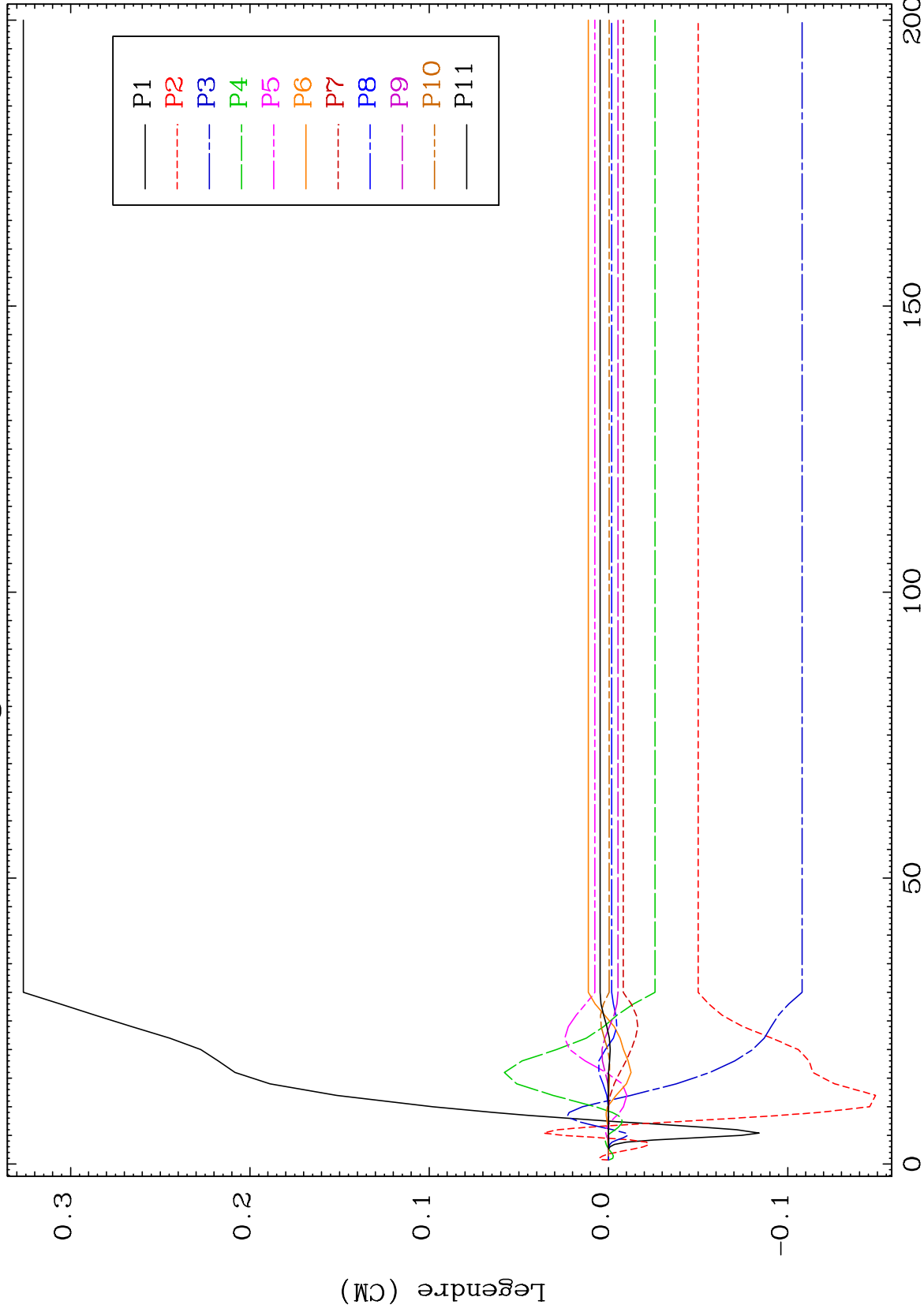
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



52

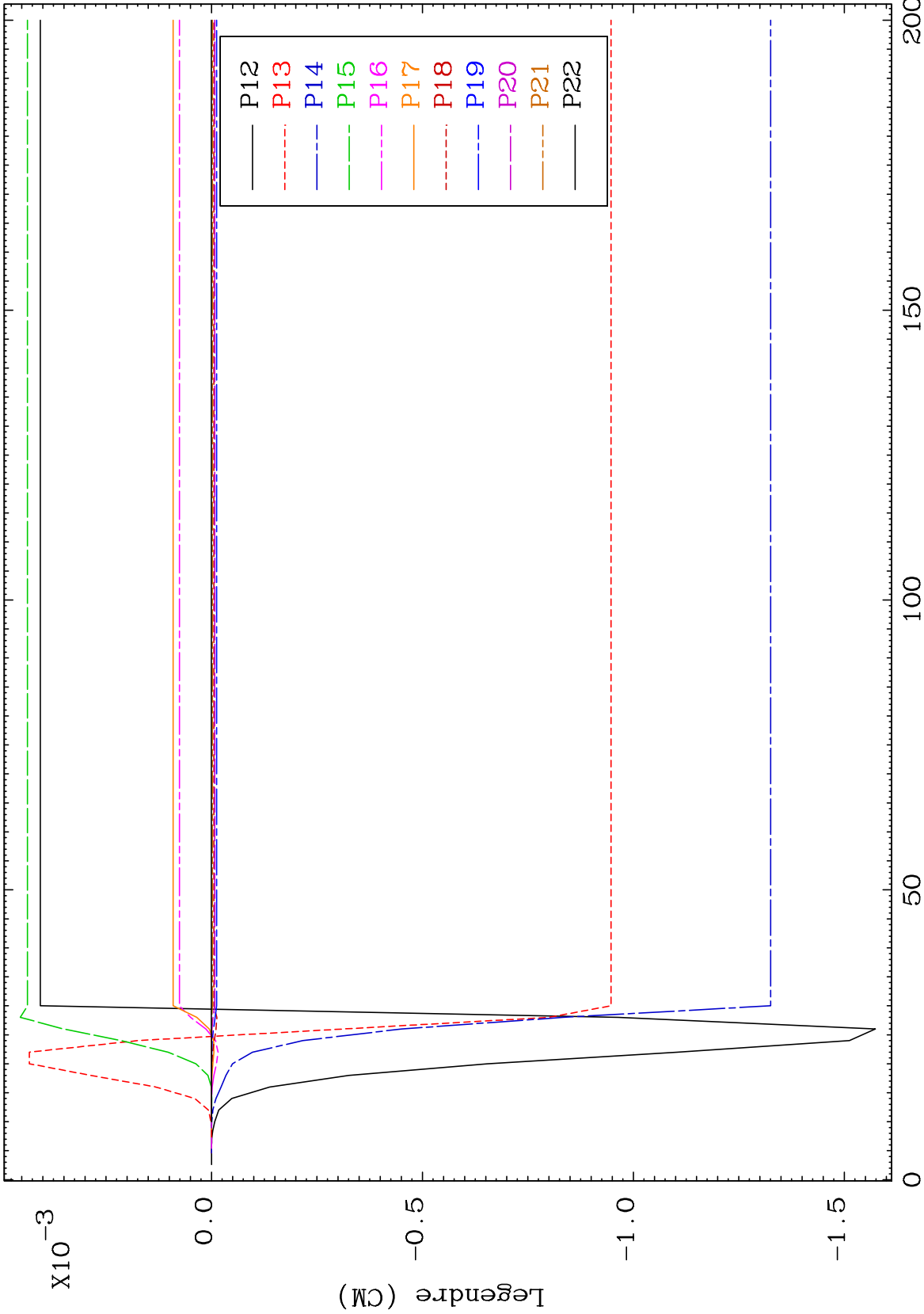
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



53

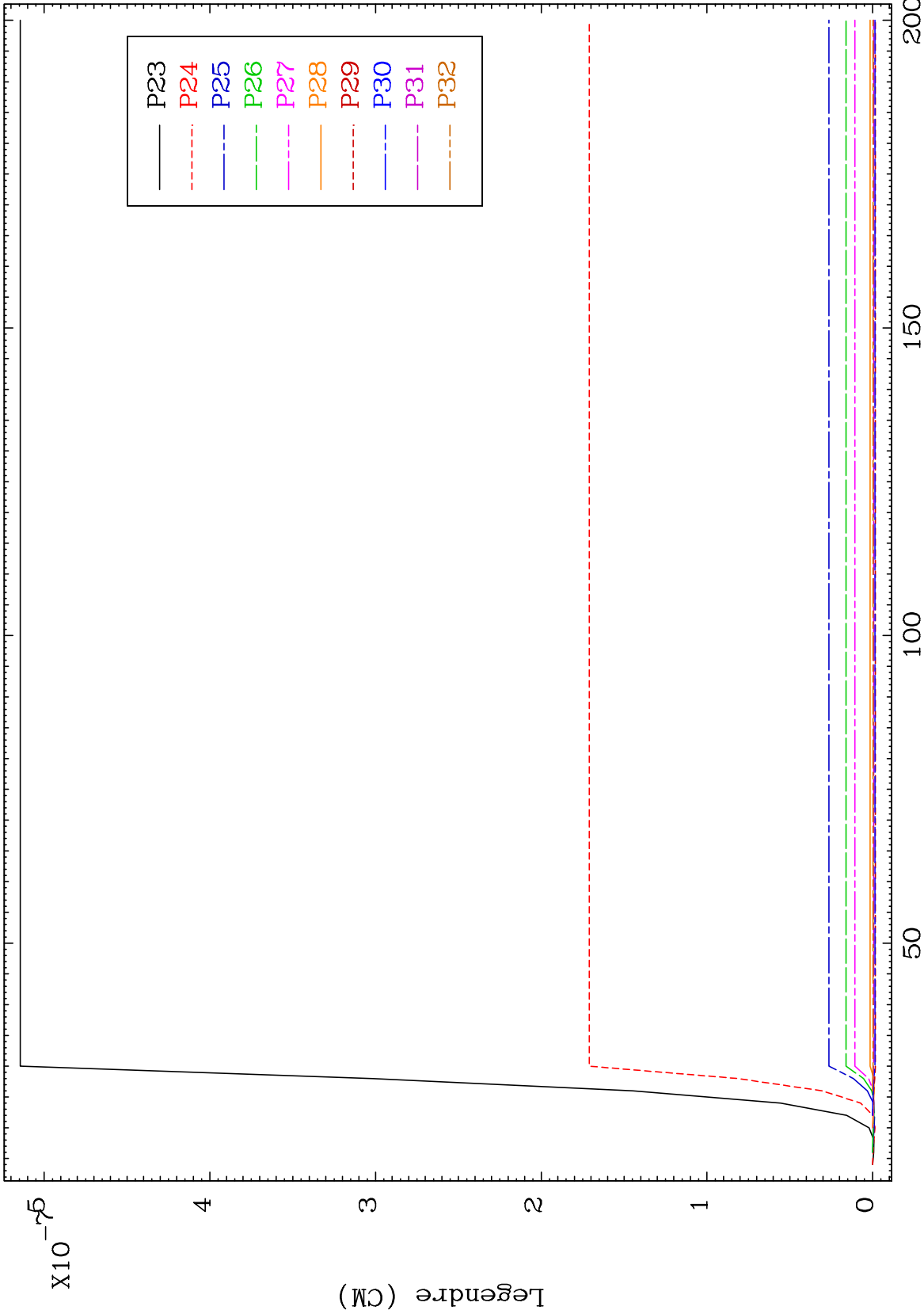
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



54

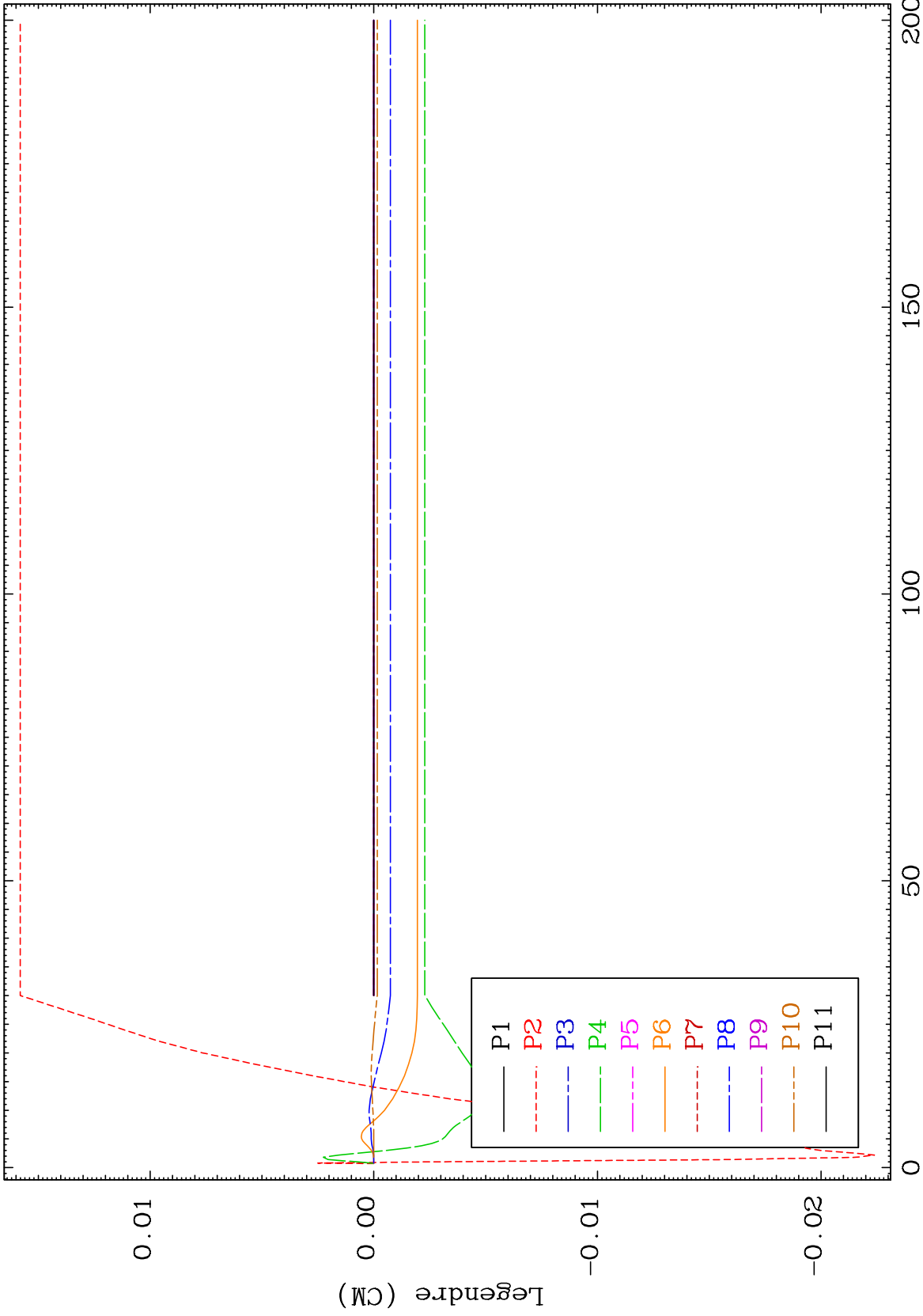
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



55

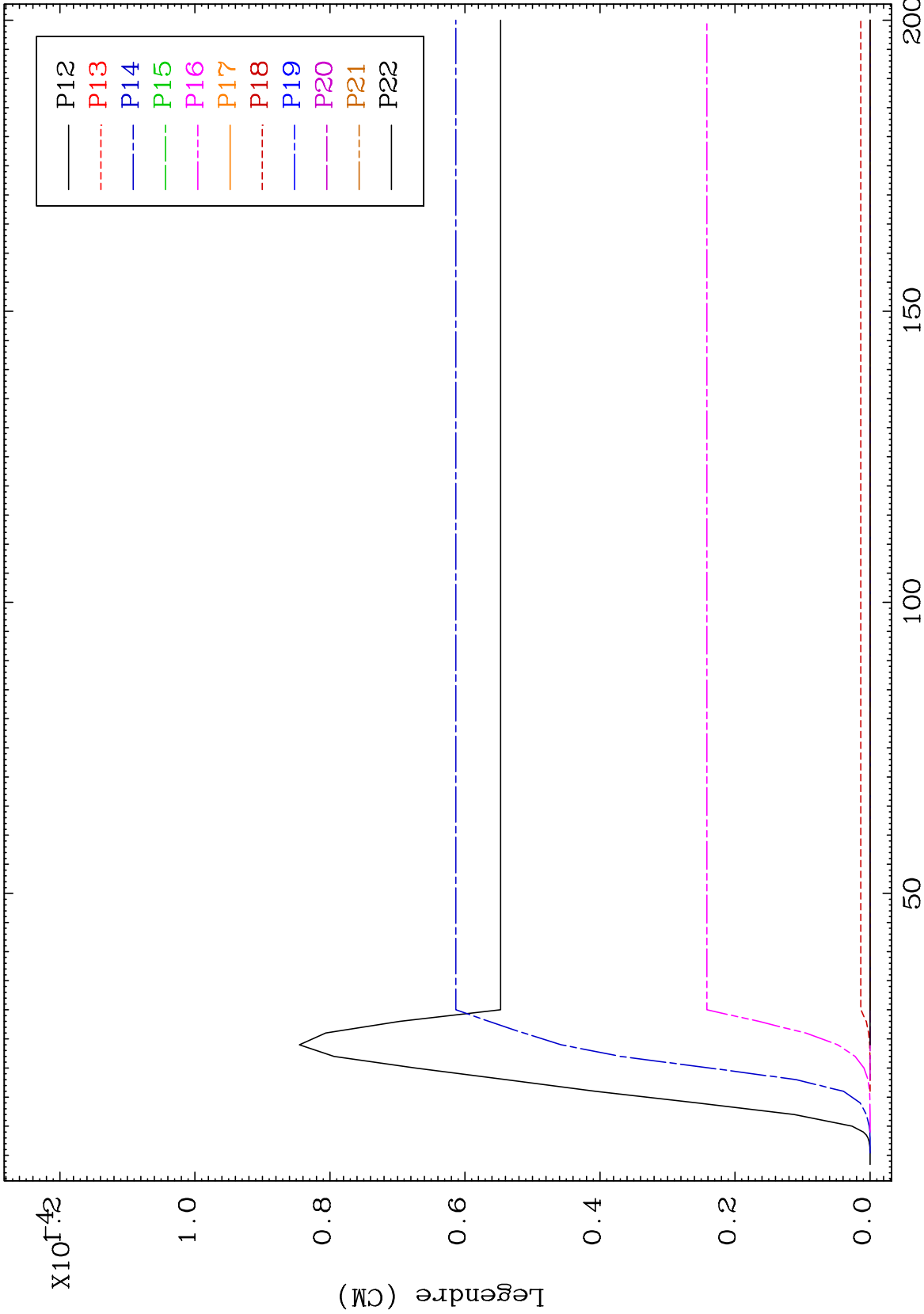
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124

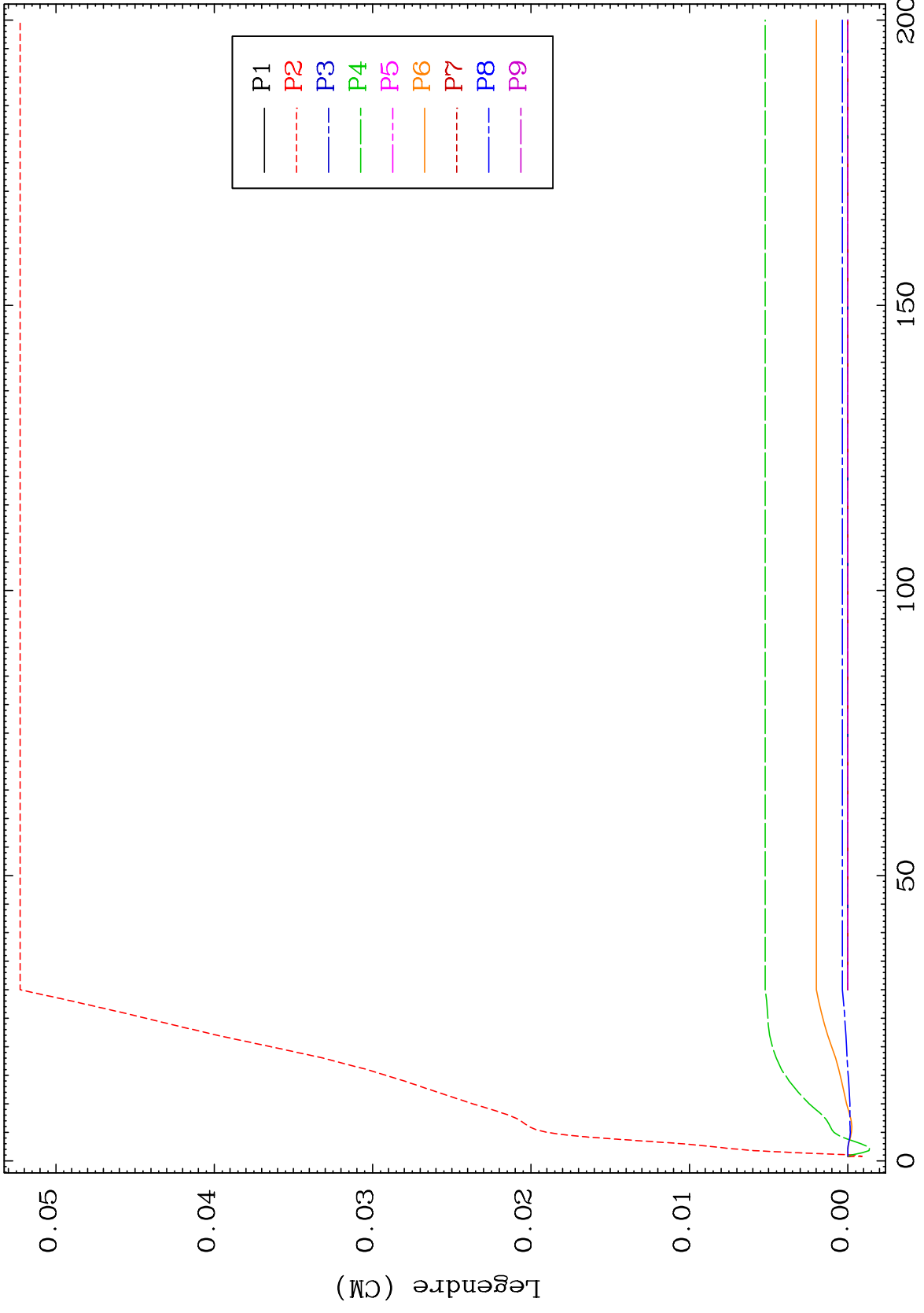


56

Incident Energy (MeV)

57-La-124

MAT 5683 MT= 62 (n,n') Level Legendre Coefficients 57-La-124

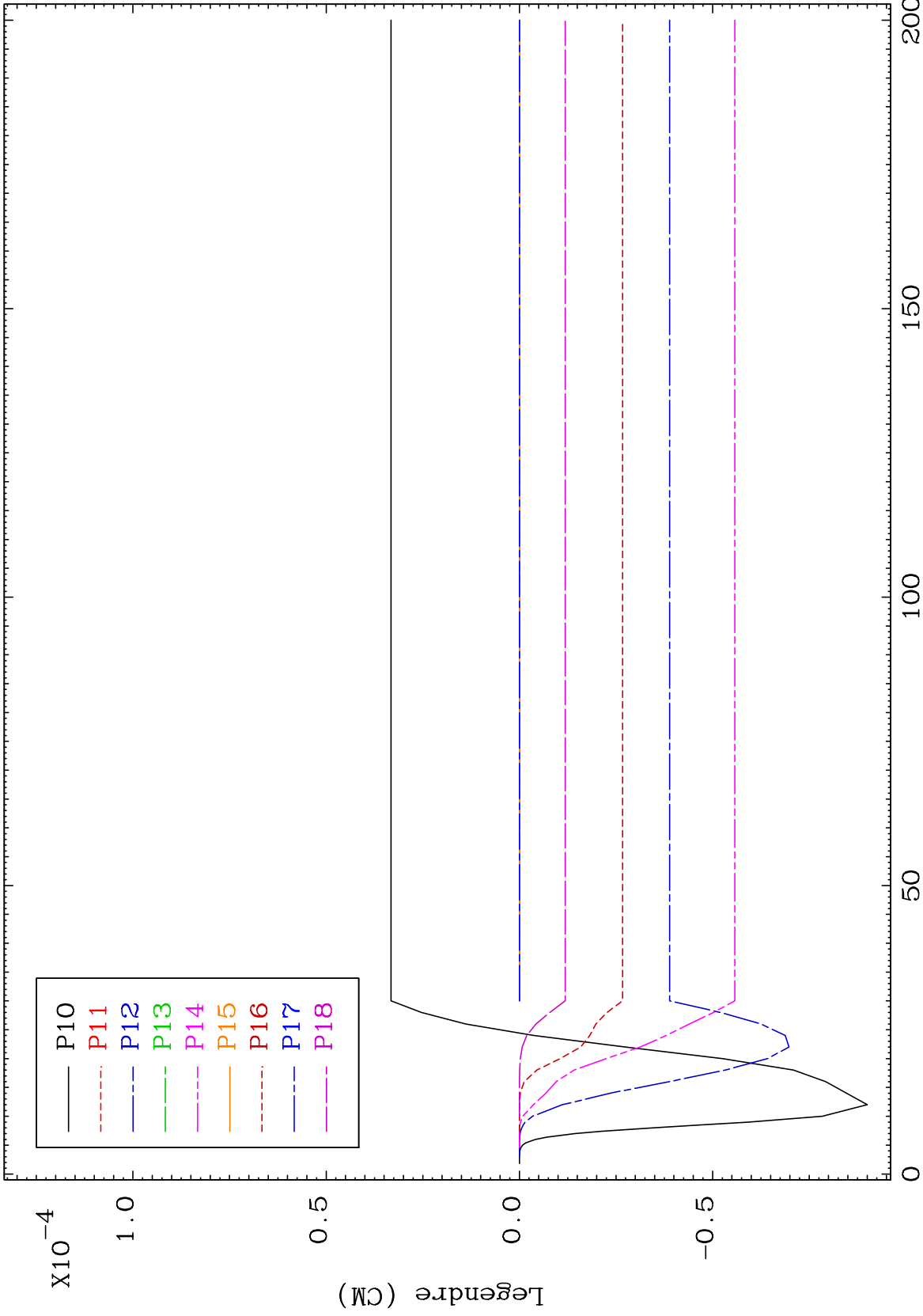


57 57-La-124

MAT 5683

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

57-La-124



58

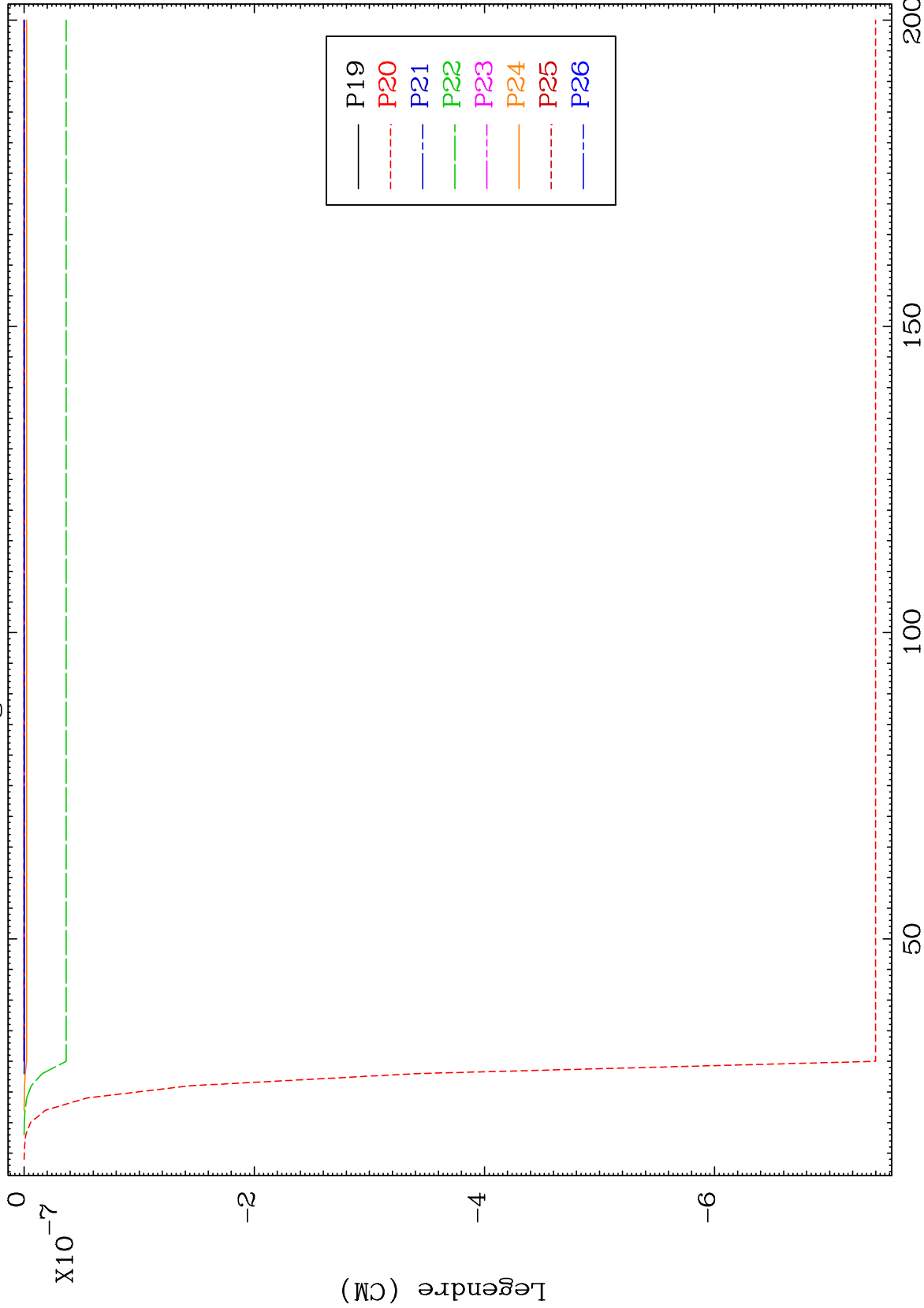
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



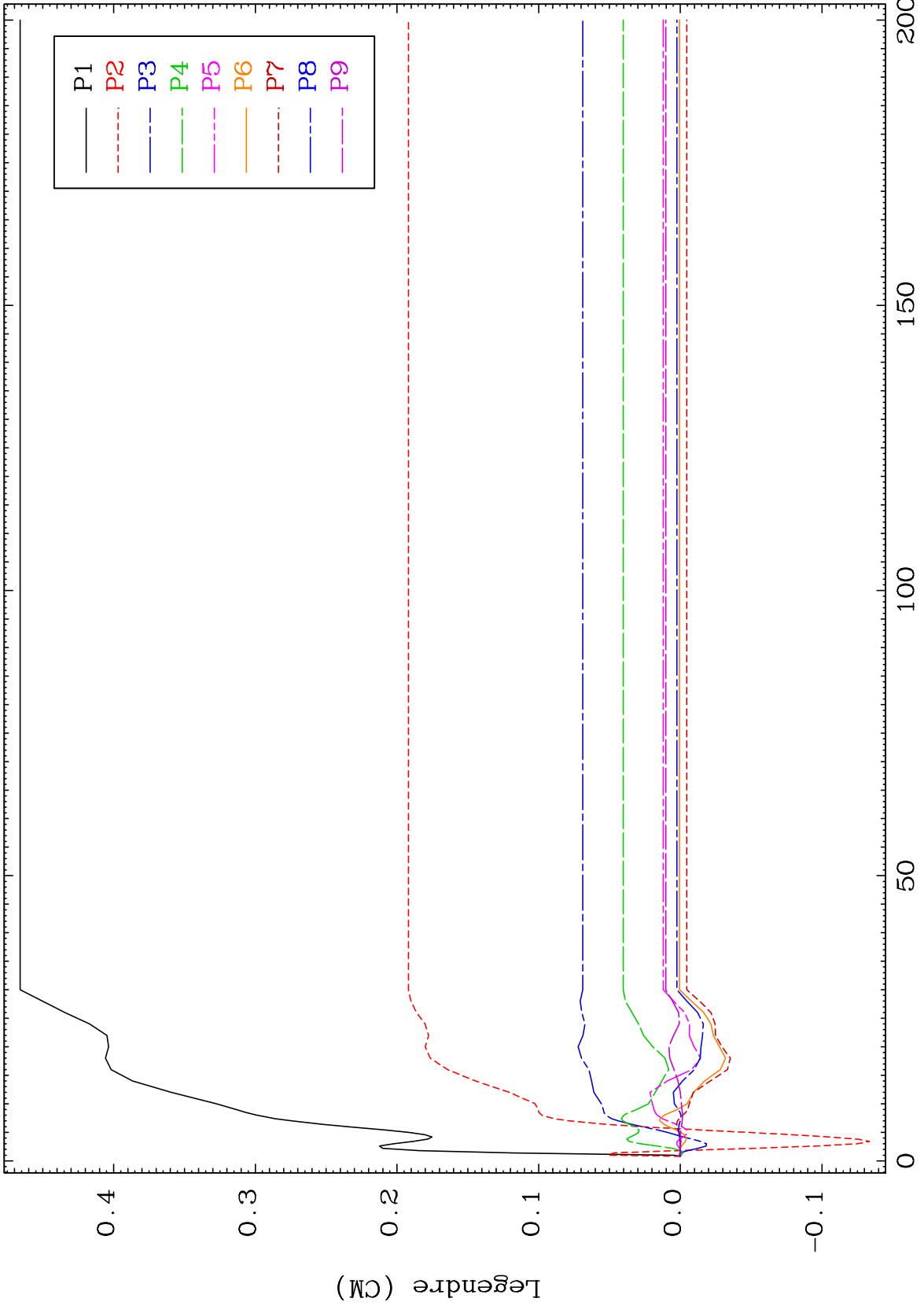
59

57-La-124

MAT 5683

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

57-La-124



60

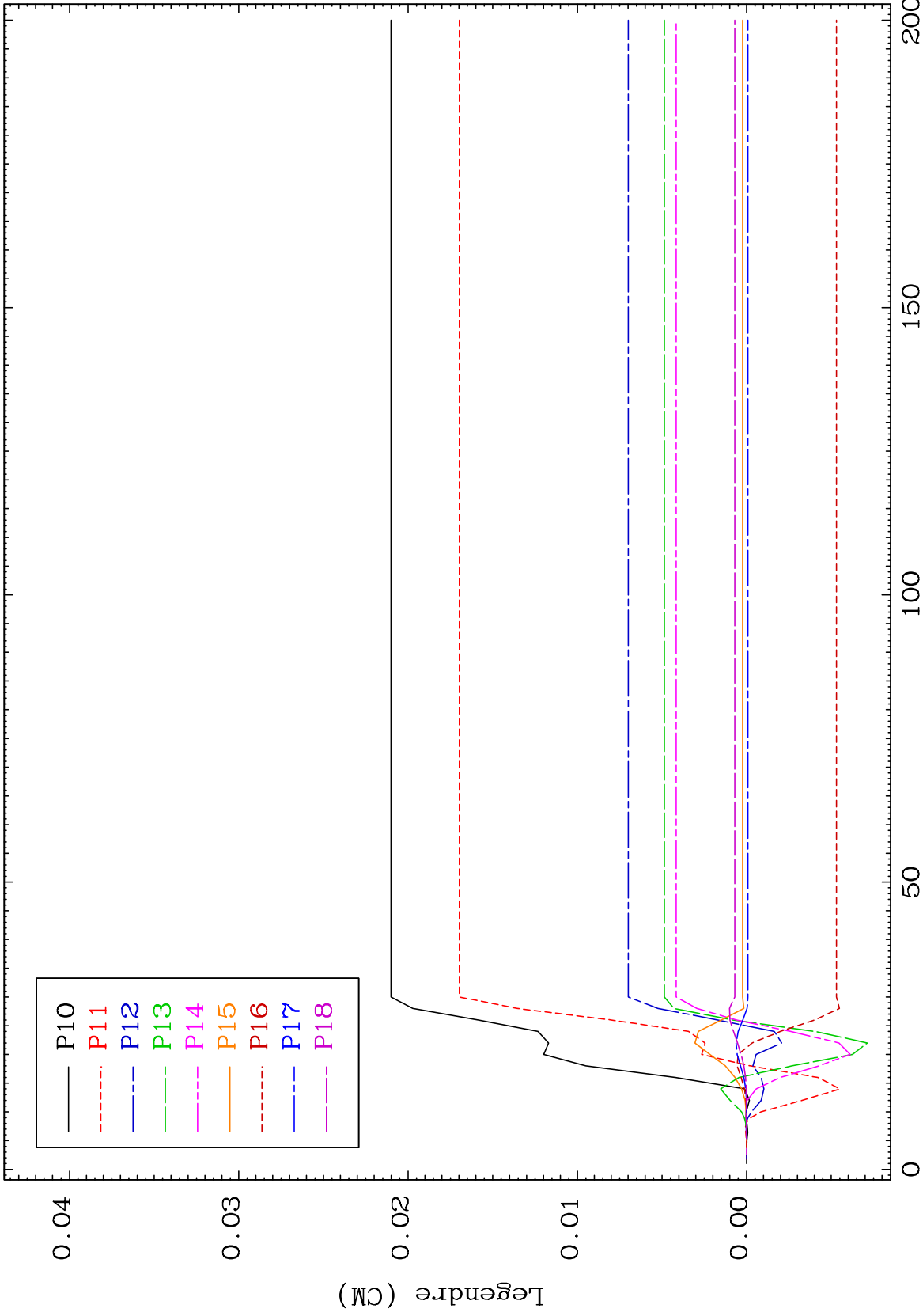
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



61

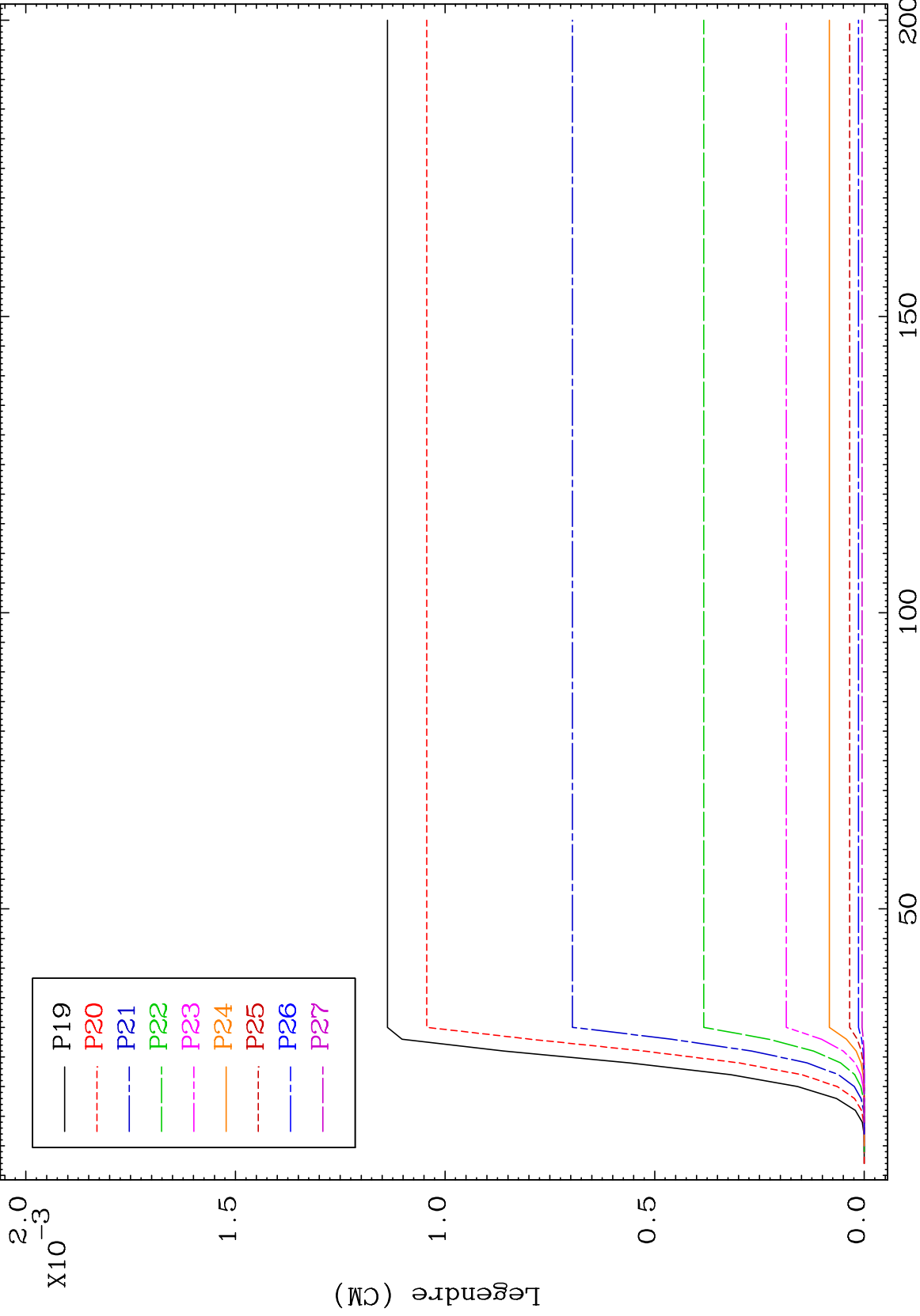
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



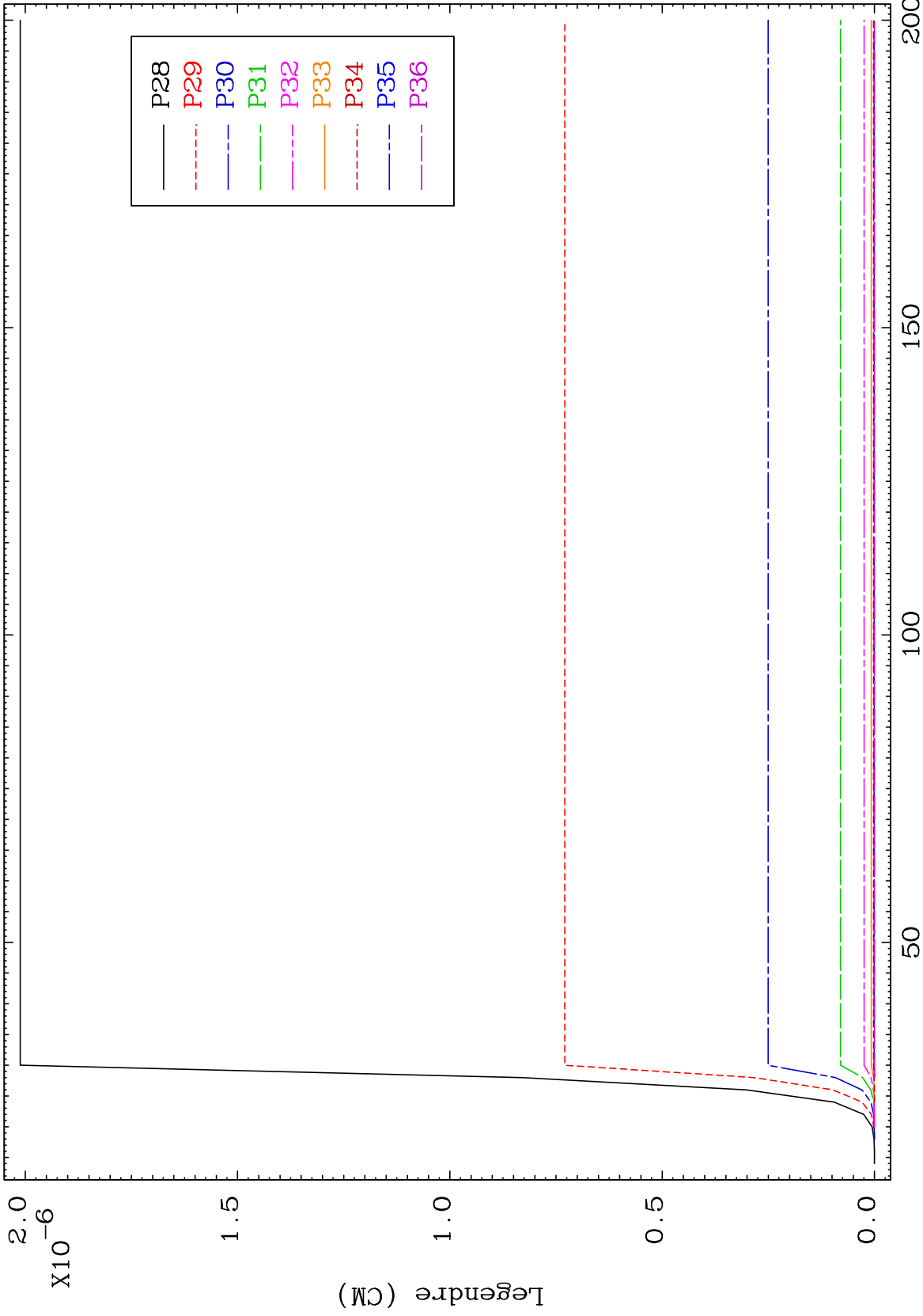
62

57-La-124

MAT 5683

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

57-La-124



63

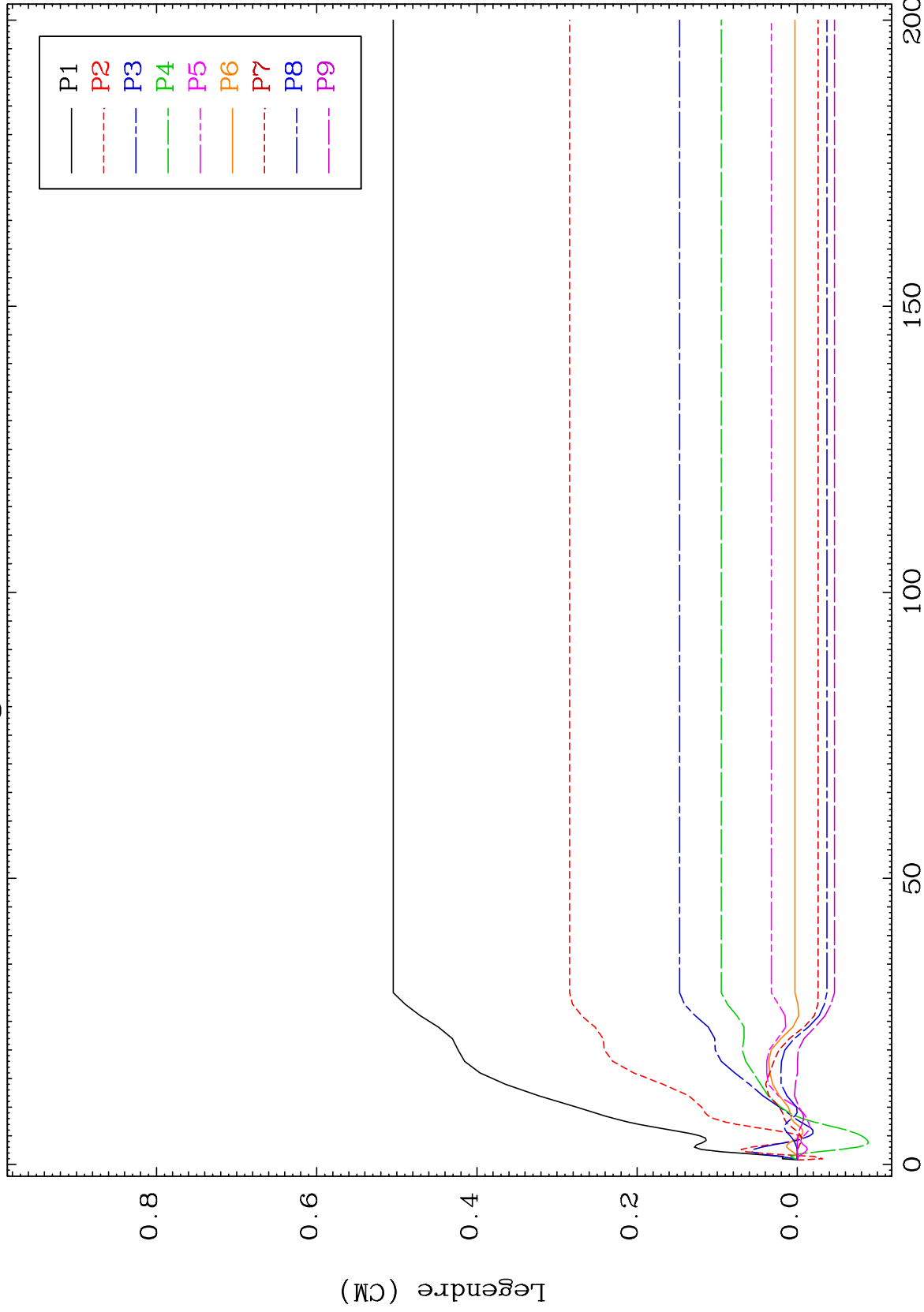
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



64

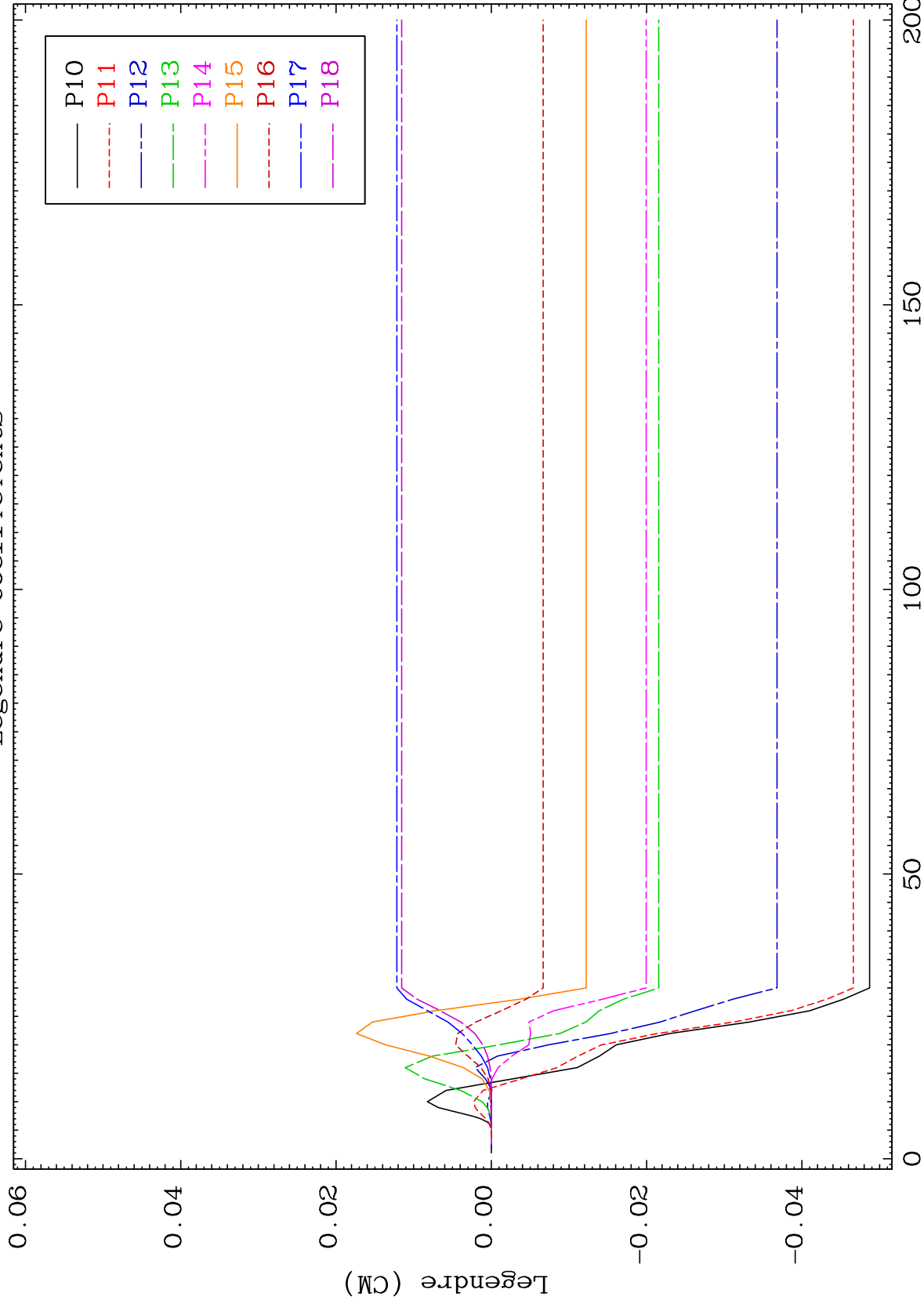
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



65

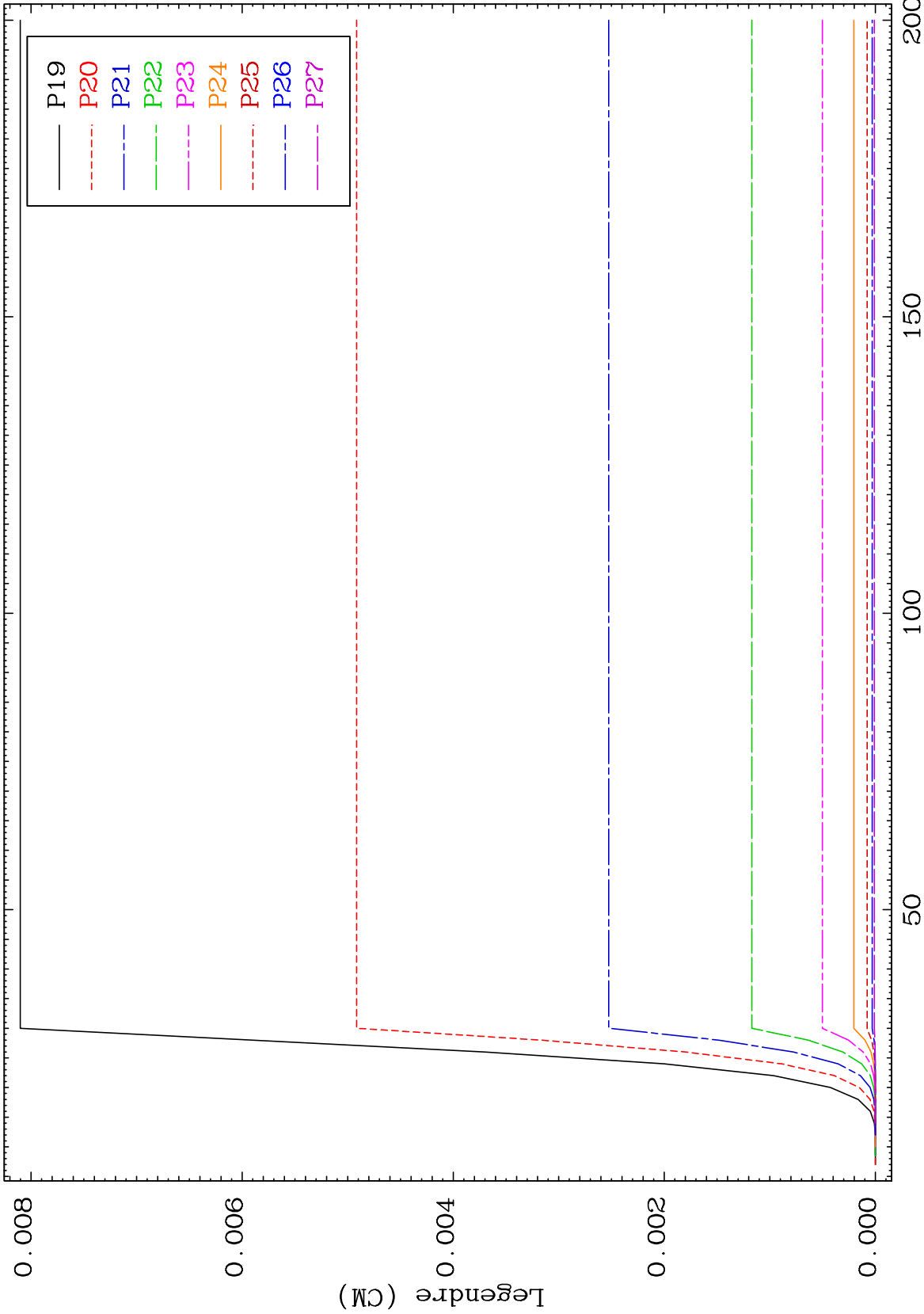
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



66

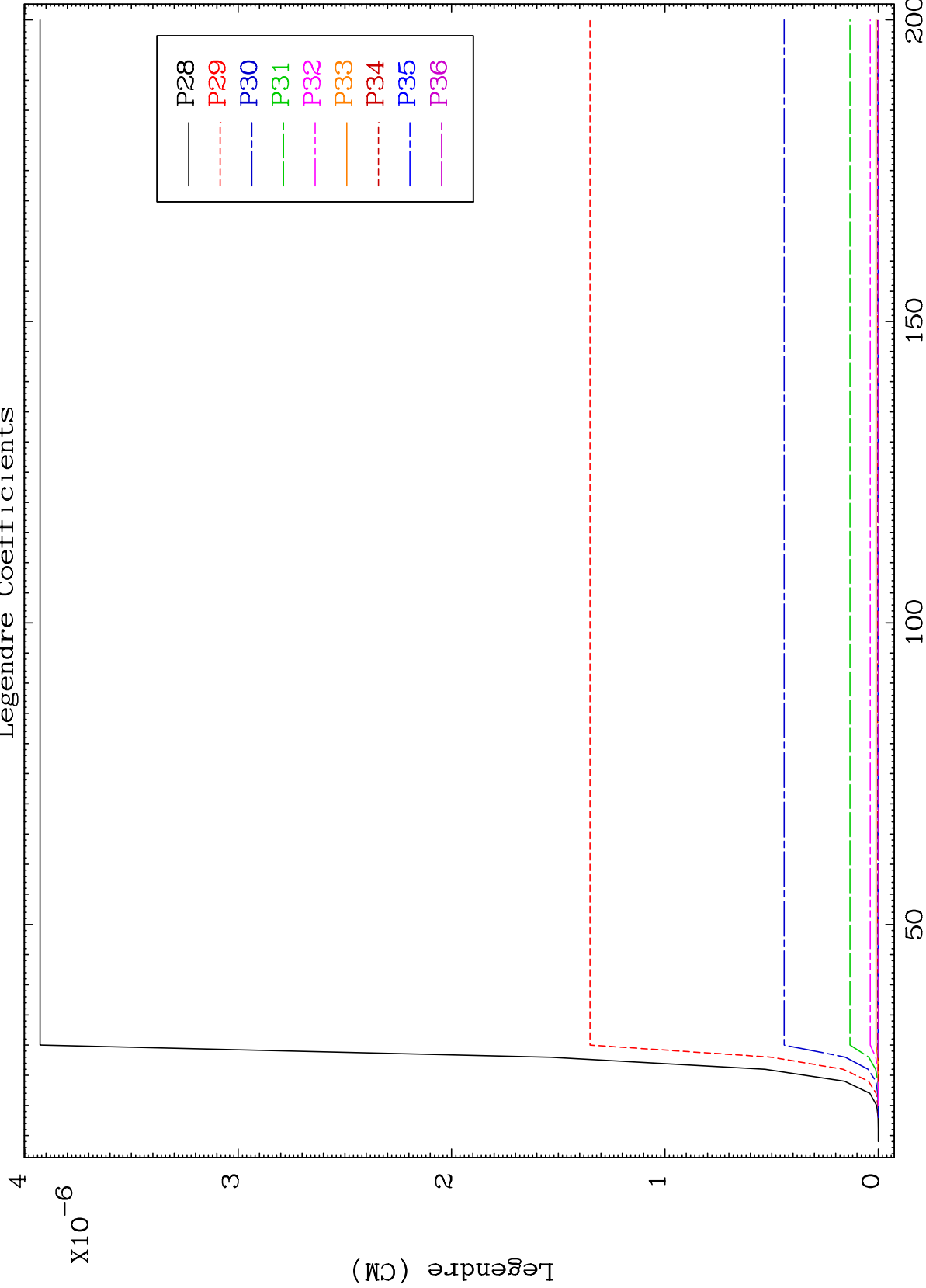
Incident Energy (MeV)

57-La-124

MAT 5683

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

57-La-124



67

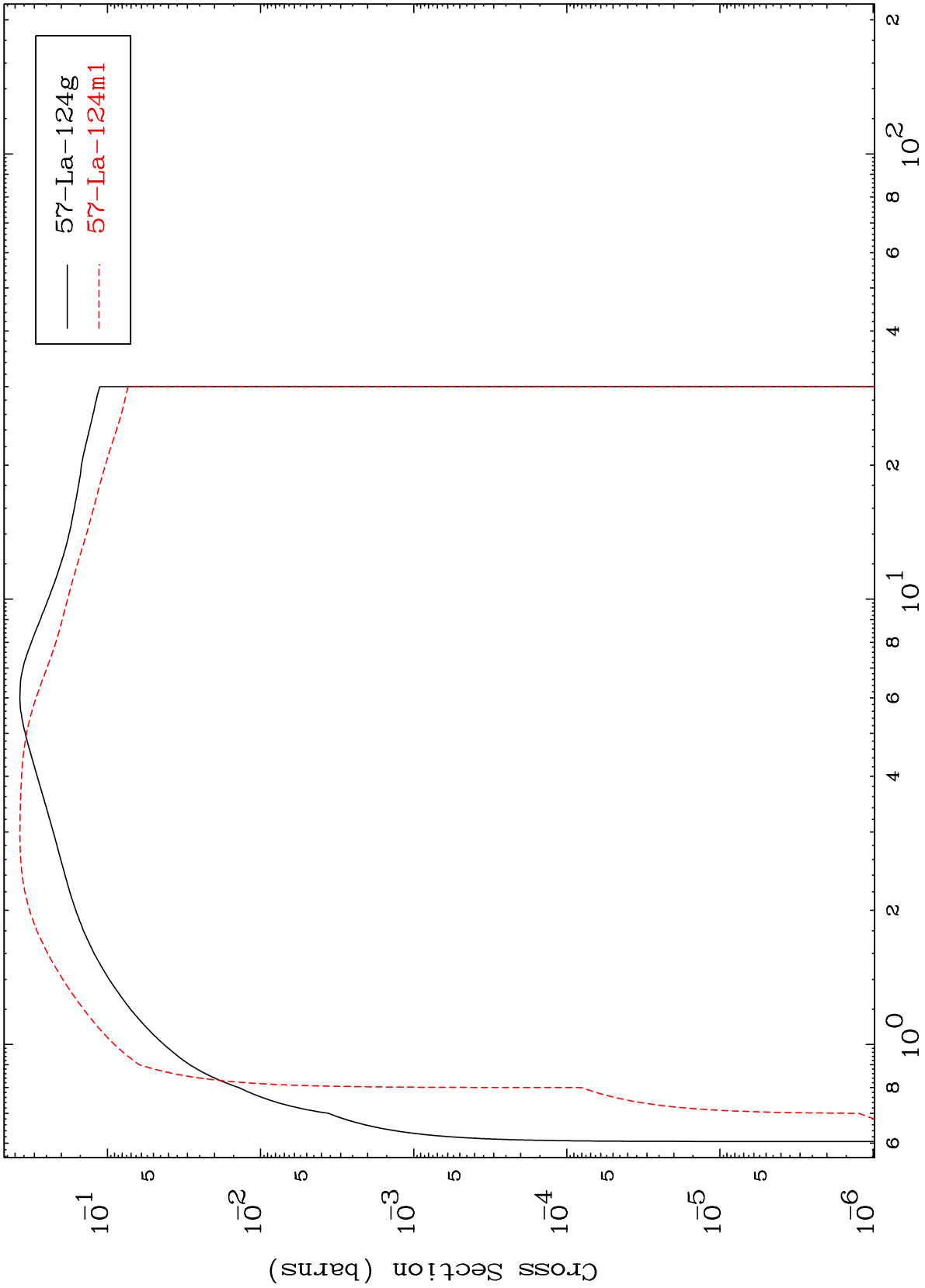
Incident Energy (MeV)

57-La-124

MAT 5683

57-La-124

Inelastic Radionuclide Production Cross Section



68

Incident Energy (MeV)

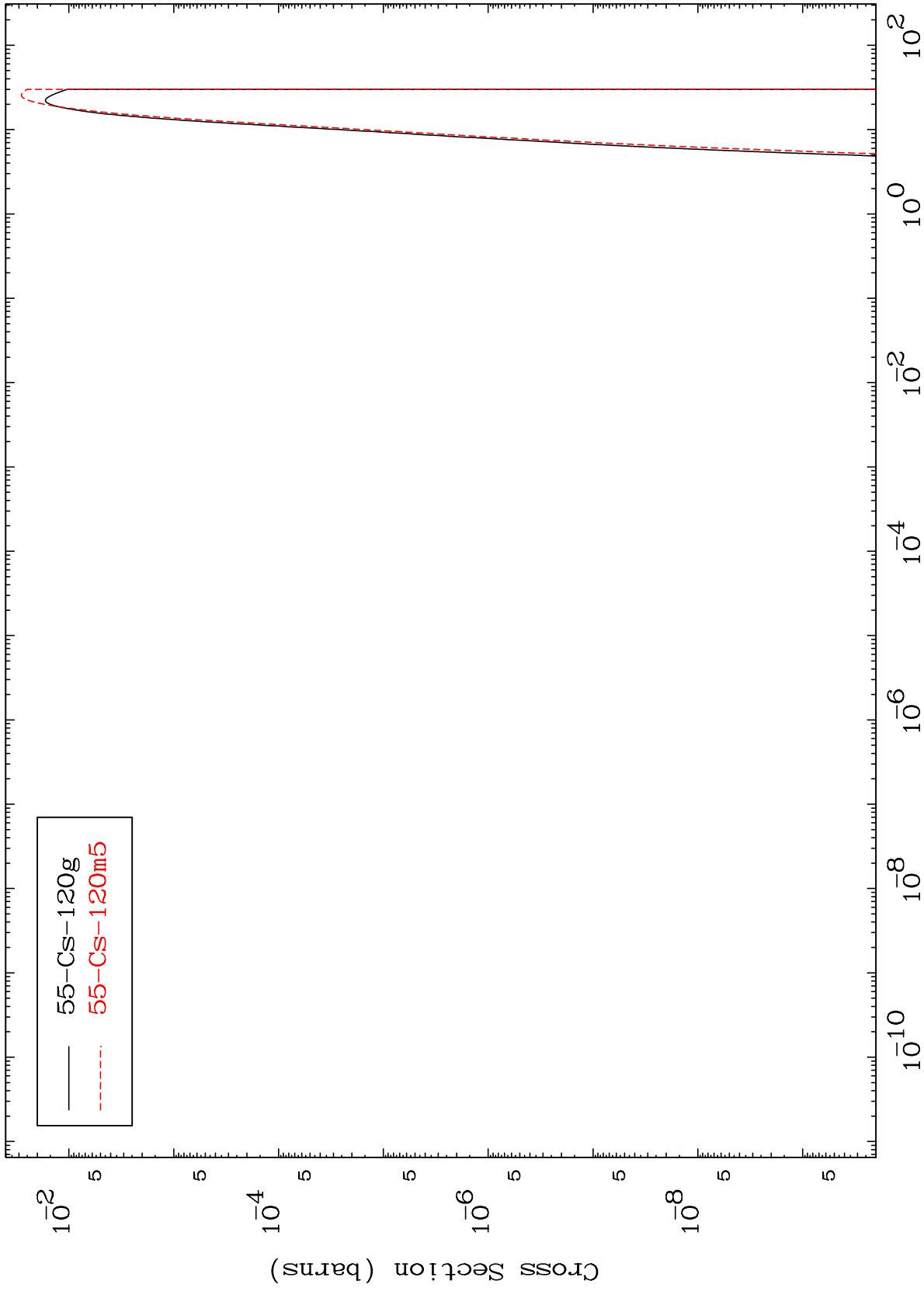
57-La-124

MAT 5683

(n,n') α

57-La-124

Radionuclide Production Cross Section



69

Incident Energy (MeV)

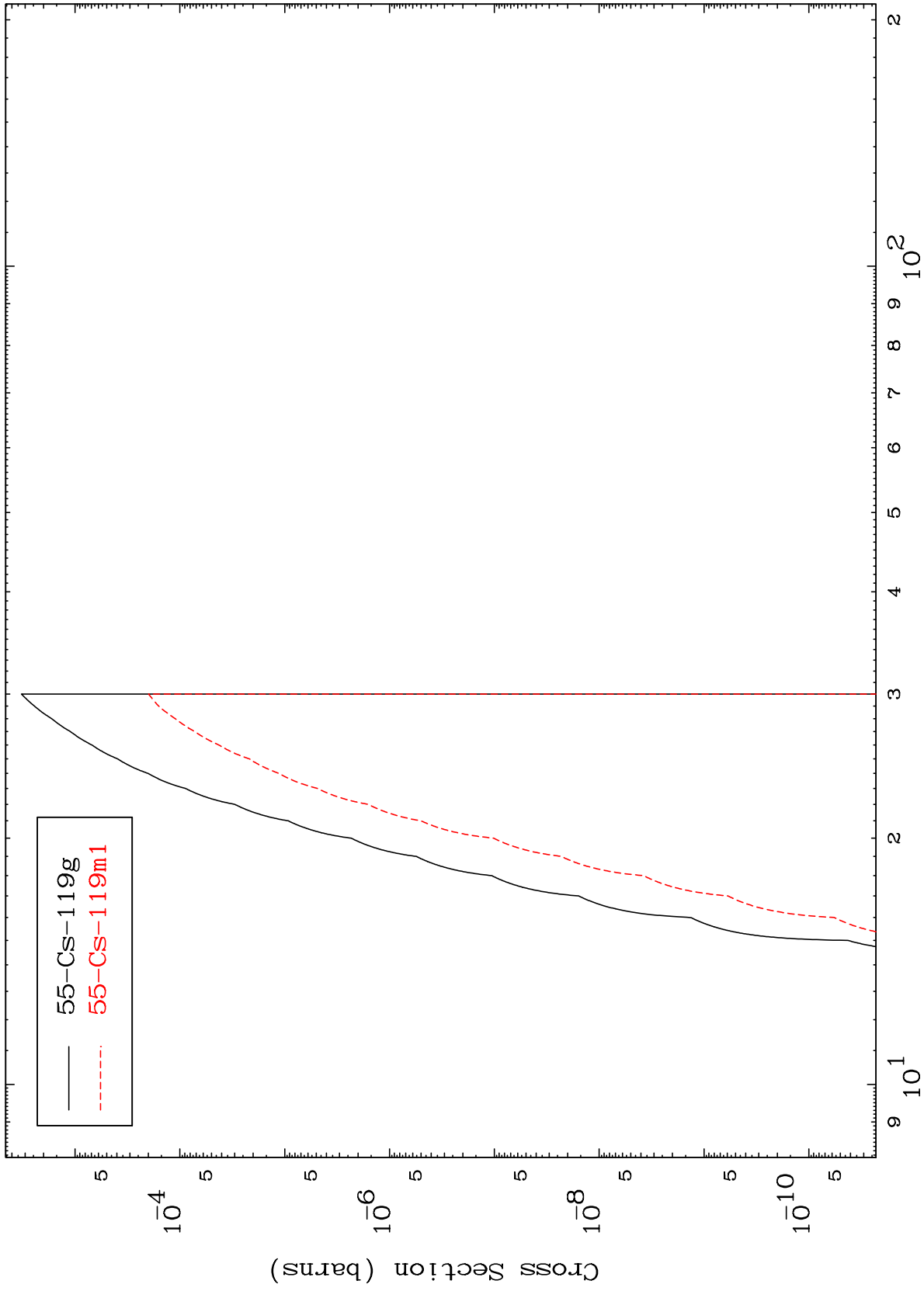
57-La-124

MAT 5683

(n,2n) α

57-La-124

Radionuclide Production Cross Section



70

Incident Energy (MeV)

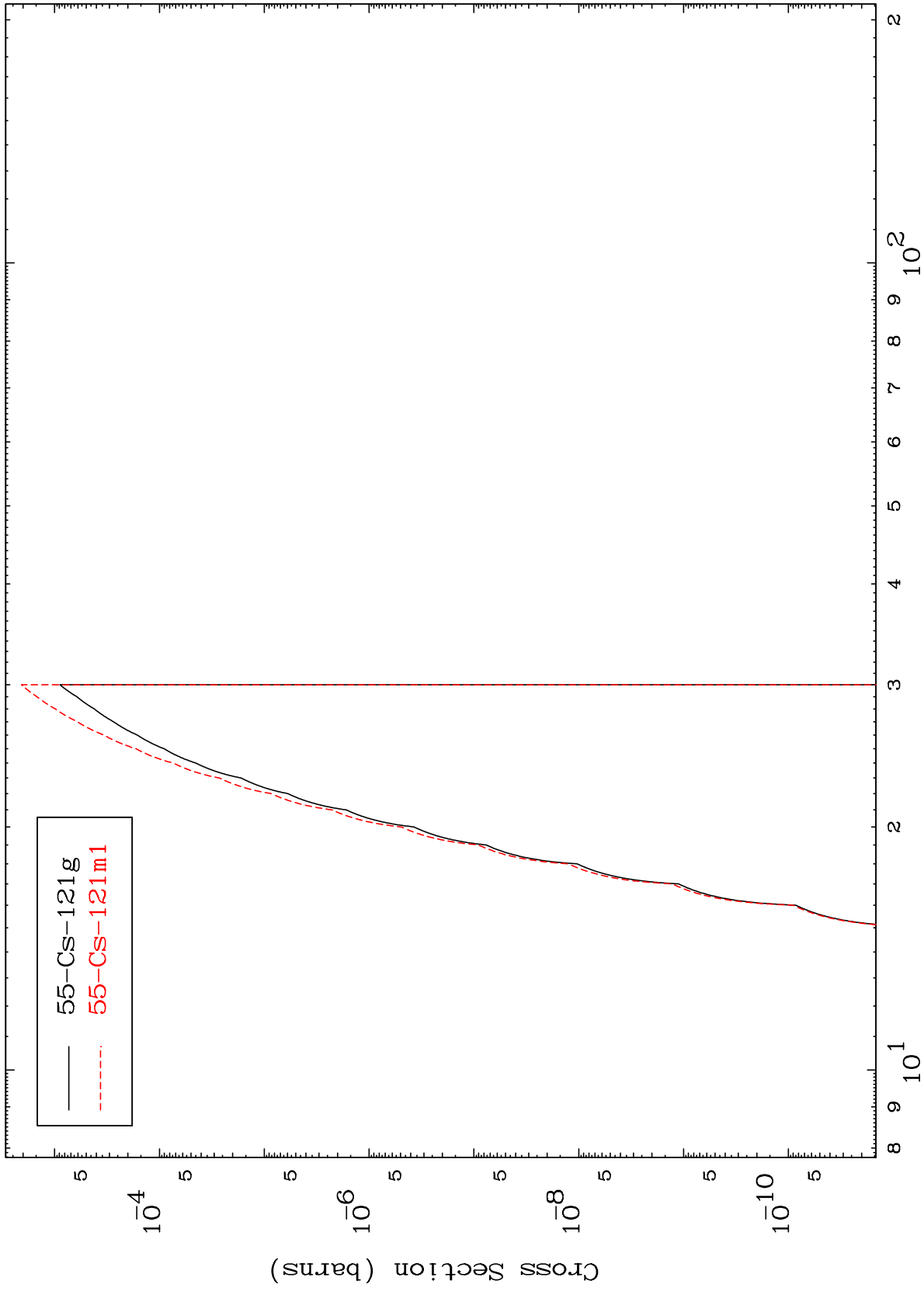
57-La-124

MAT 5683

(n, n') He-3

57-La-124

Radionuclide Production Cross Section



71

Incident Energy (MeV)

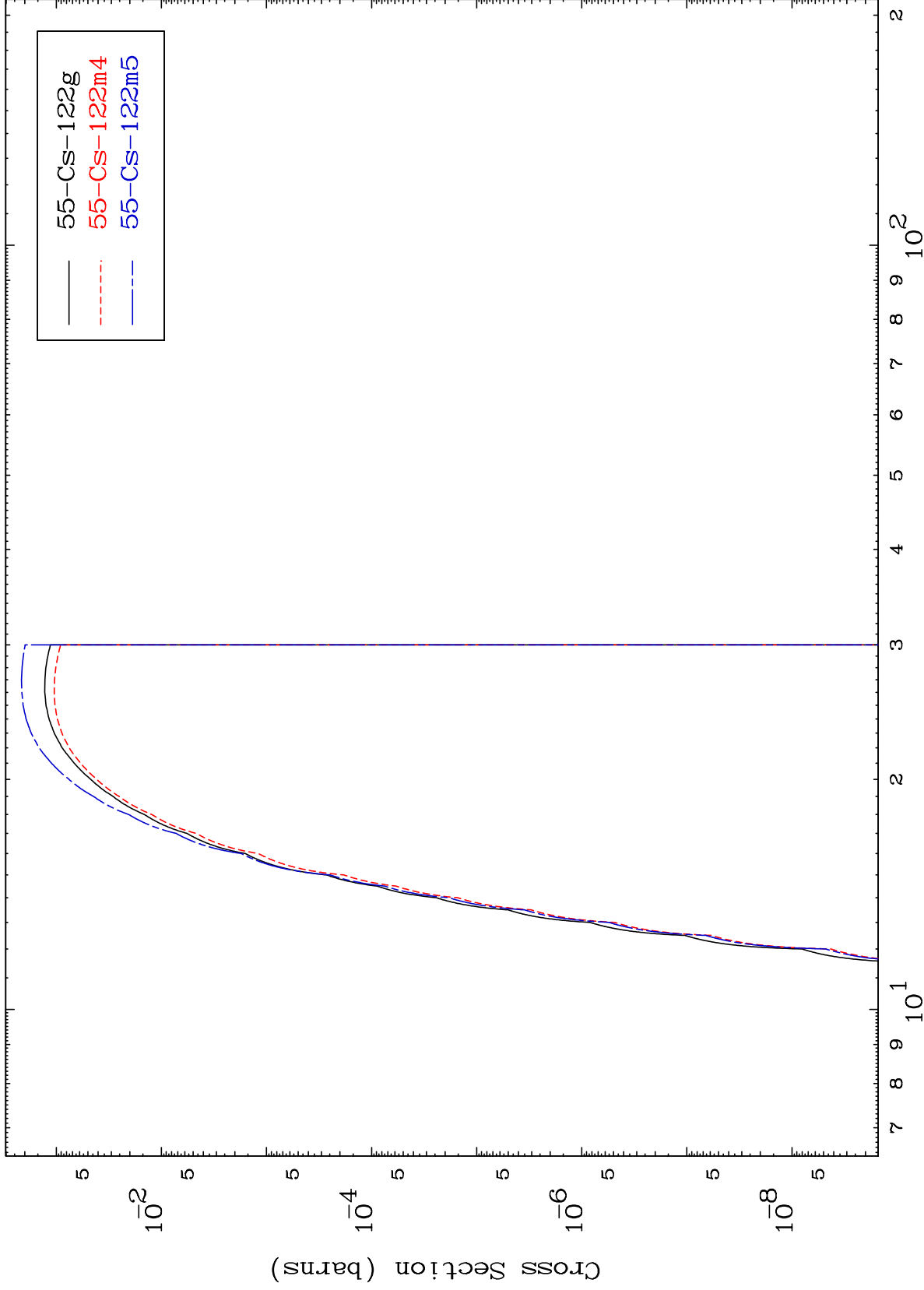
57-La-124

MAT 5683

(n,2n) p

57-La-124

Radionuclide Production Cross Section



72

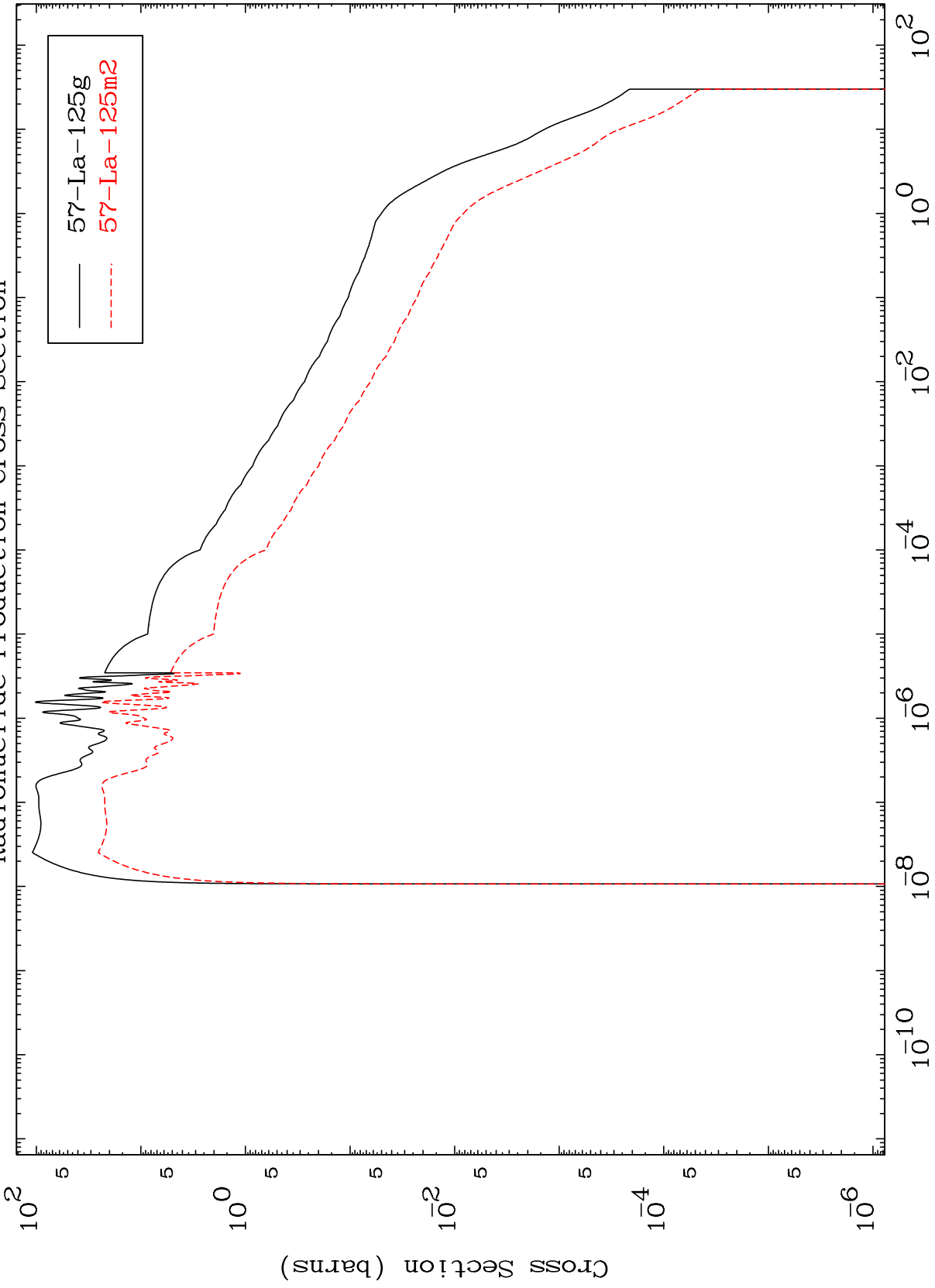
Incident Energy (MeV)

57-La-124

MAT 5683

57-La-124

(n,γ)
Radionuclide Production Cross Section



73

57-La-124

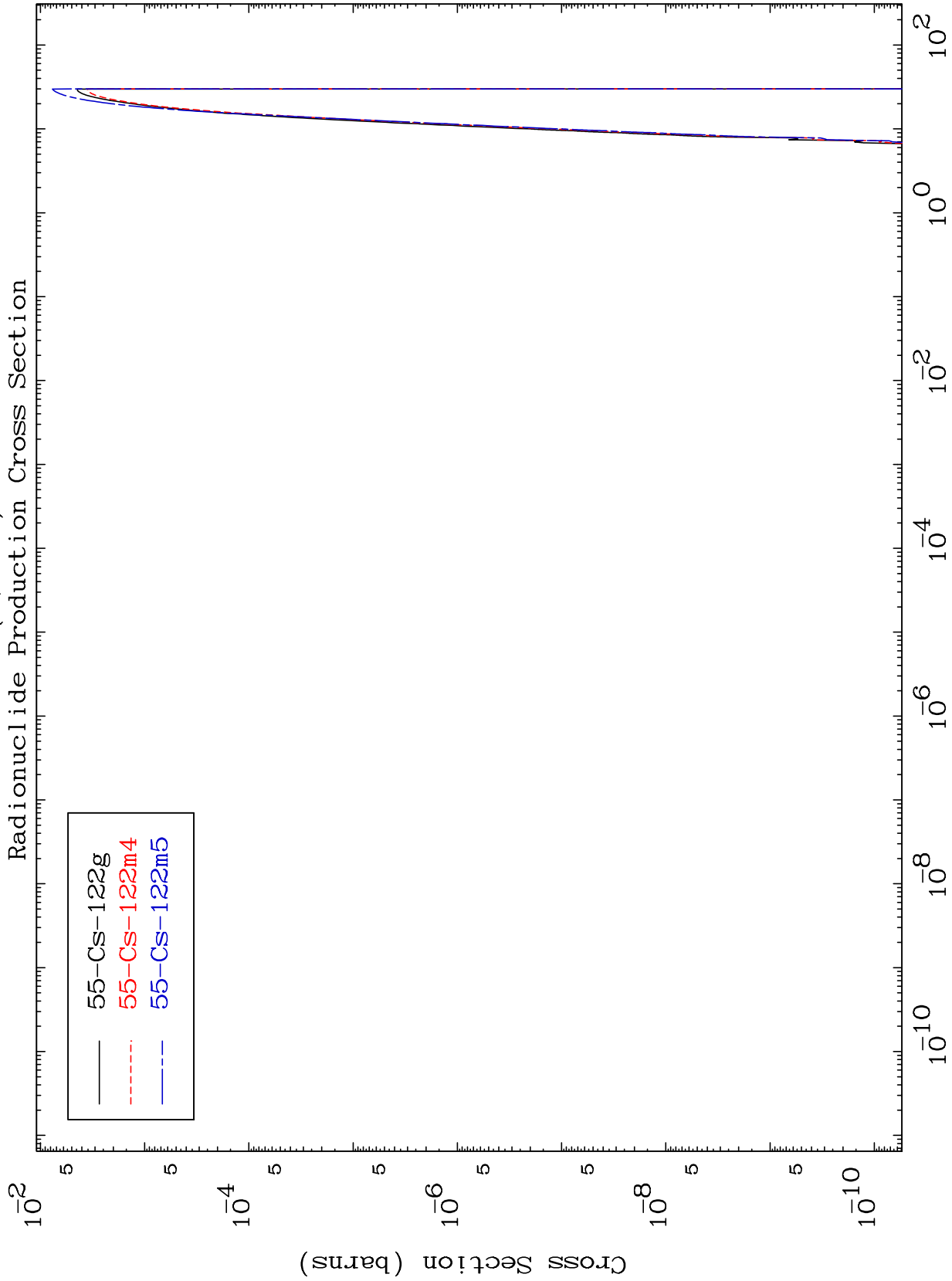
Incident Energy (MeV)

MAT 5683

(n, He-3)

57-La-124

Radionuclide Production Cross Section

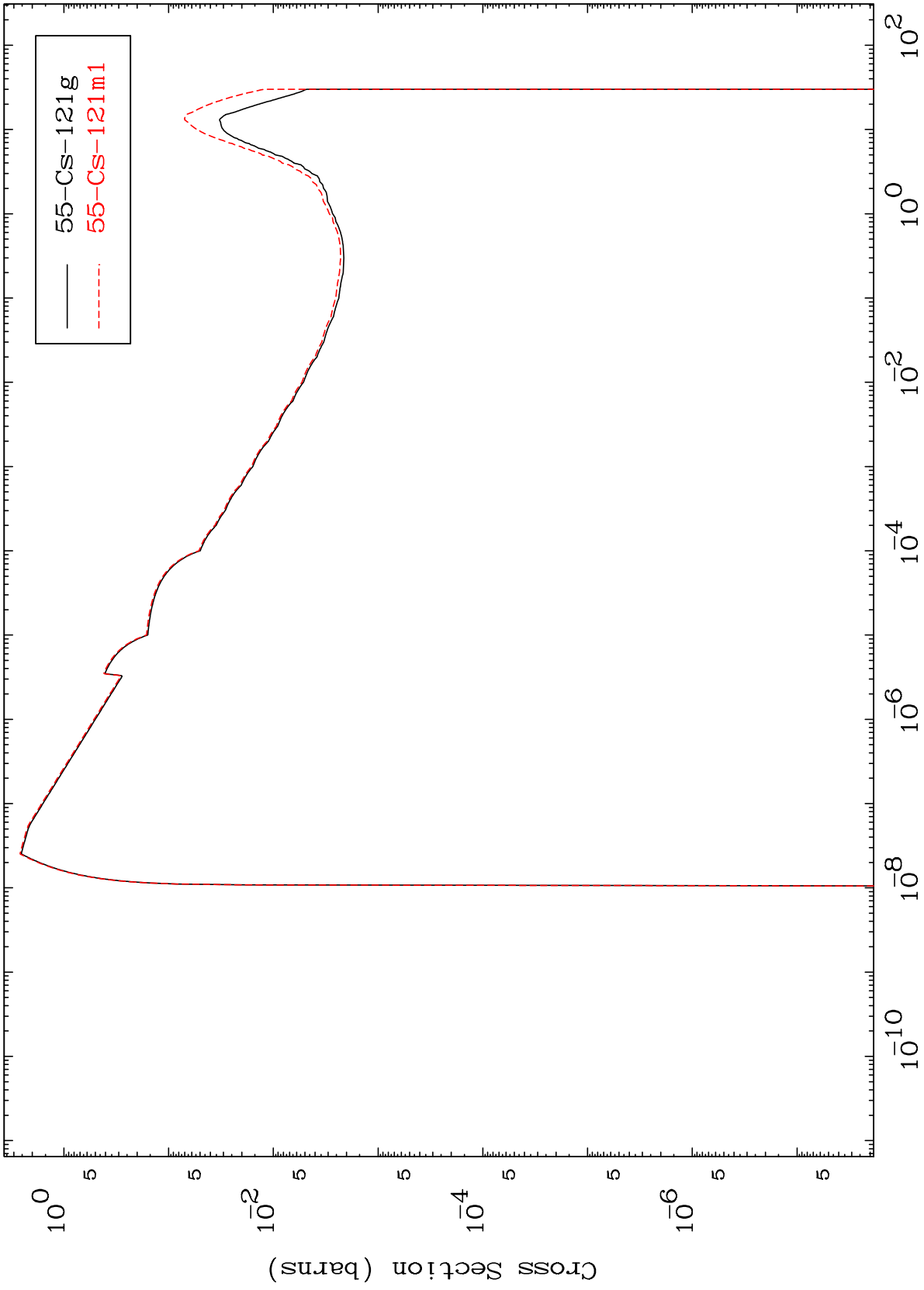


55-Cs-122g
55-Cs-122m4
55-Cs-122m5

MAT 5683

57-La-124

(n, α)
Radionuclide Production Cross Section



75

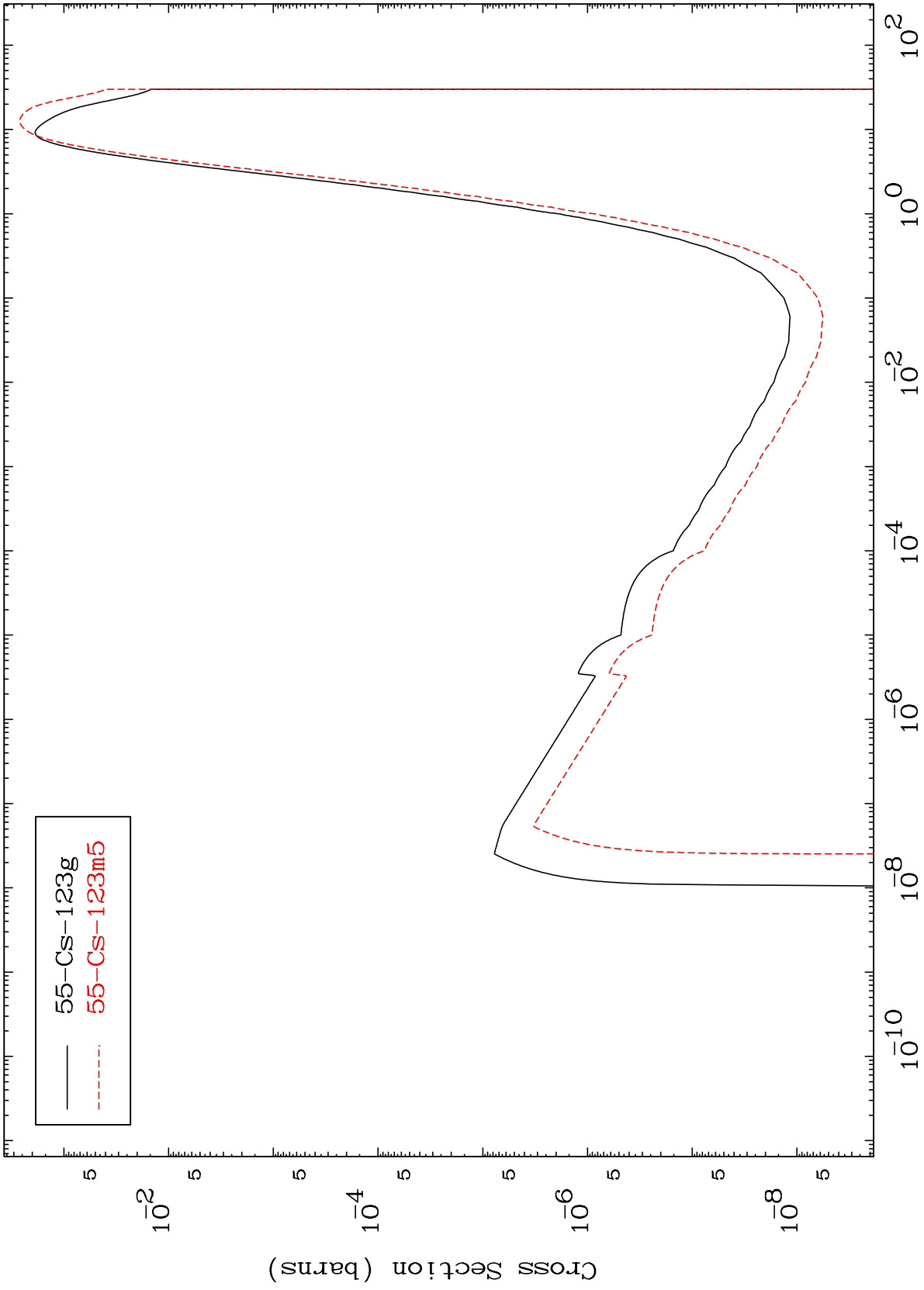
57-La-124

MAT 5683

(n,2p)

57-La-124

Radionuclide Production Cross Section



76

Incident Energy (MeV)

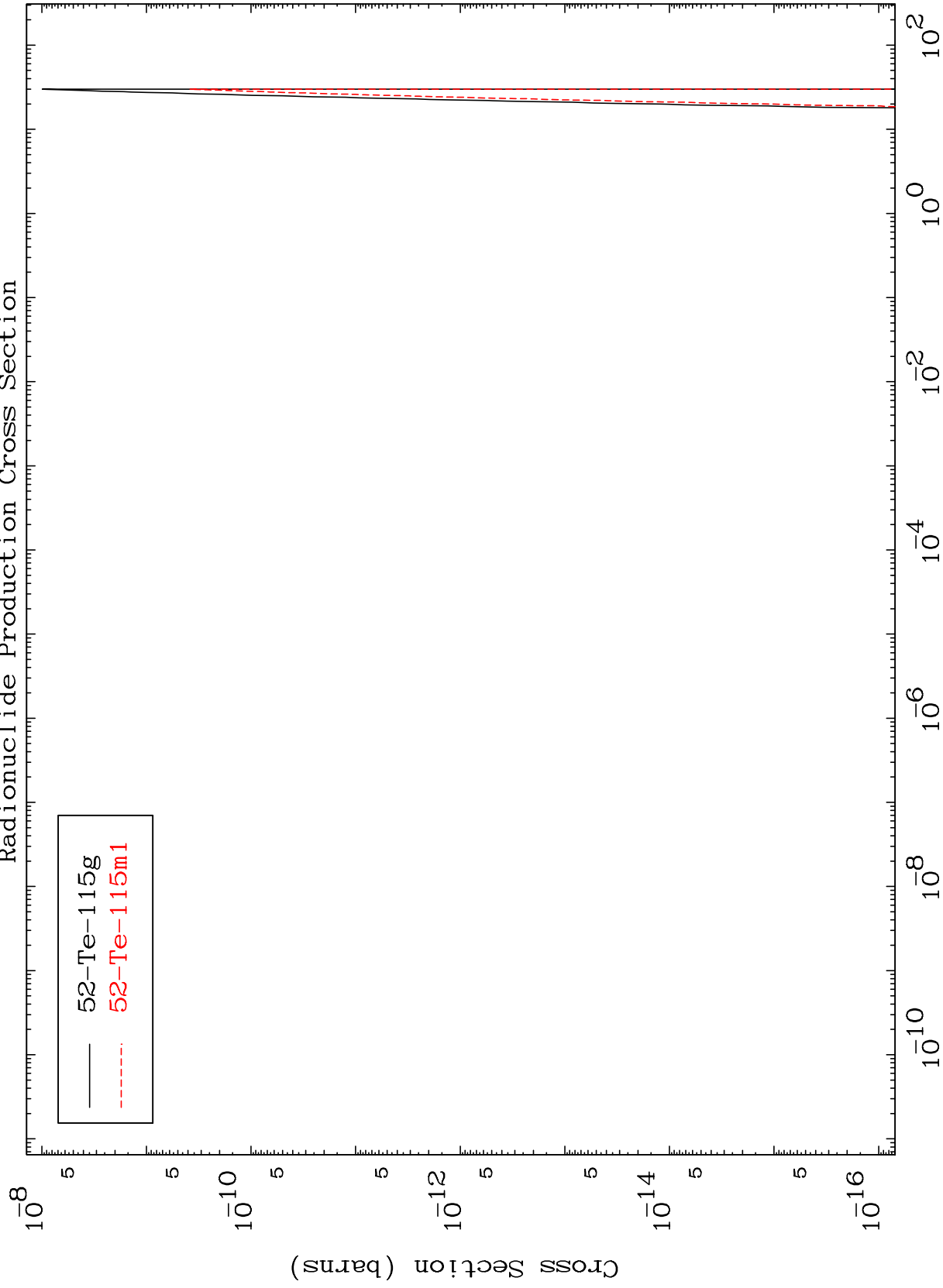
57-La-124

MAT 5683

(n,d) 2α

57-La-124

Radionuclide Production Cross Section



77

Incident Energy (MeV)

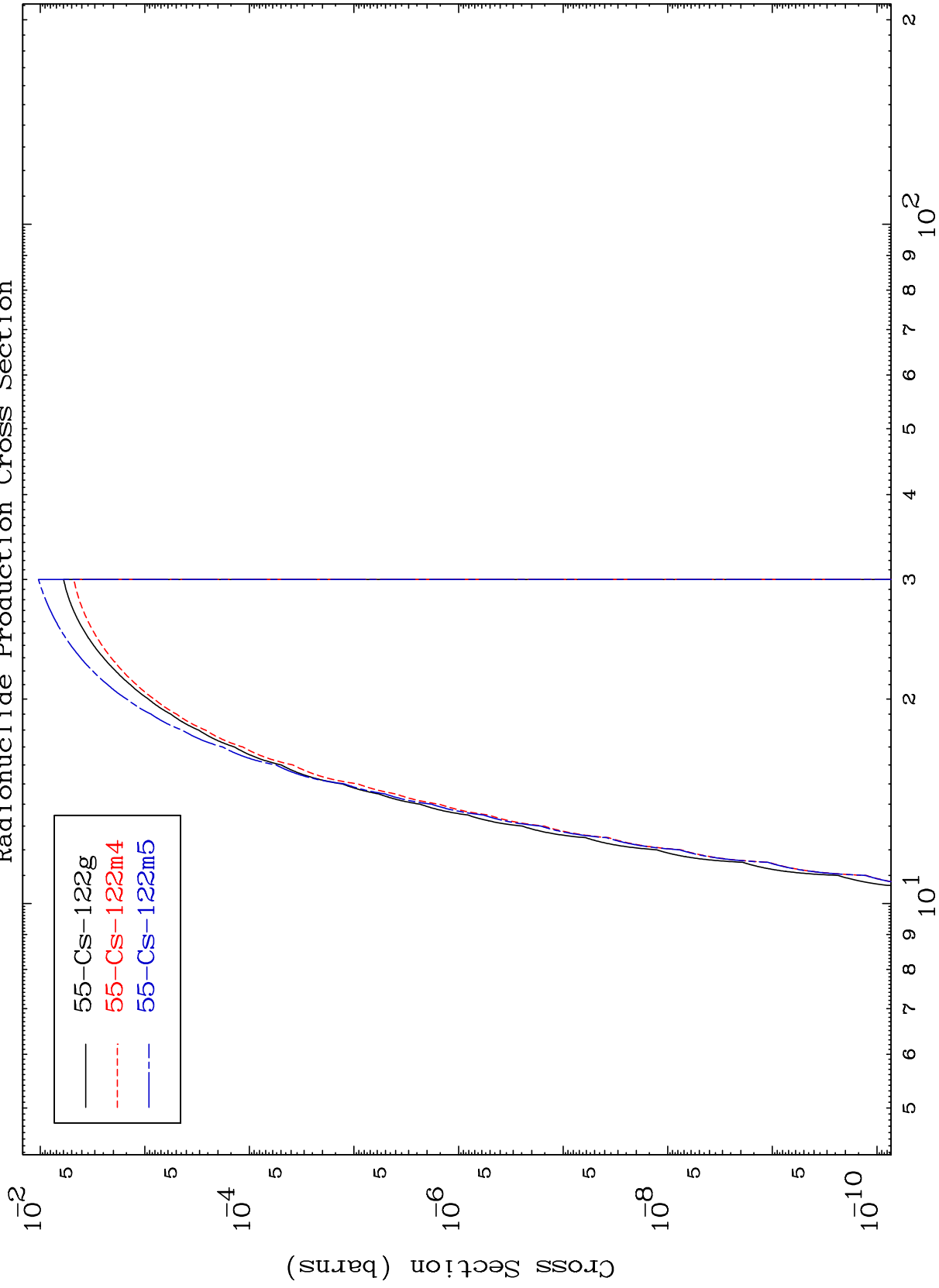
57-La-124

MAT 5683

(n,p) d

57-La-124

Radionuclide Production Cross Section



78

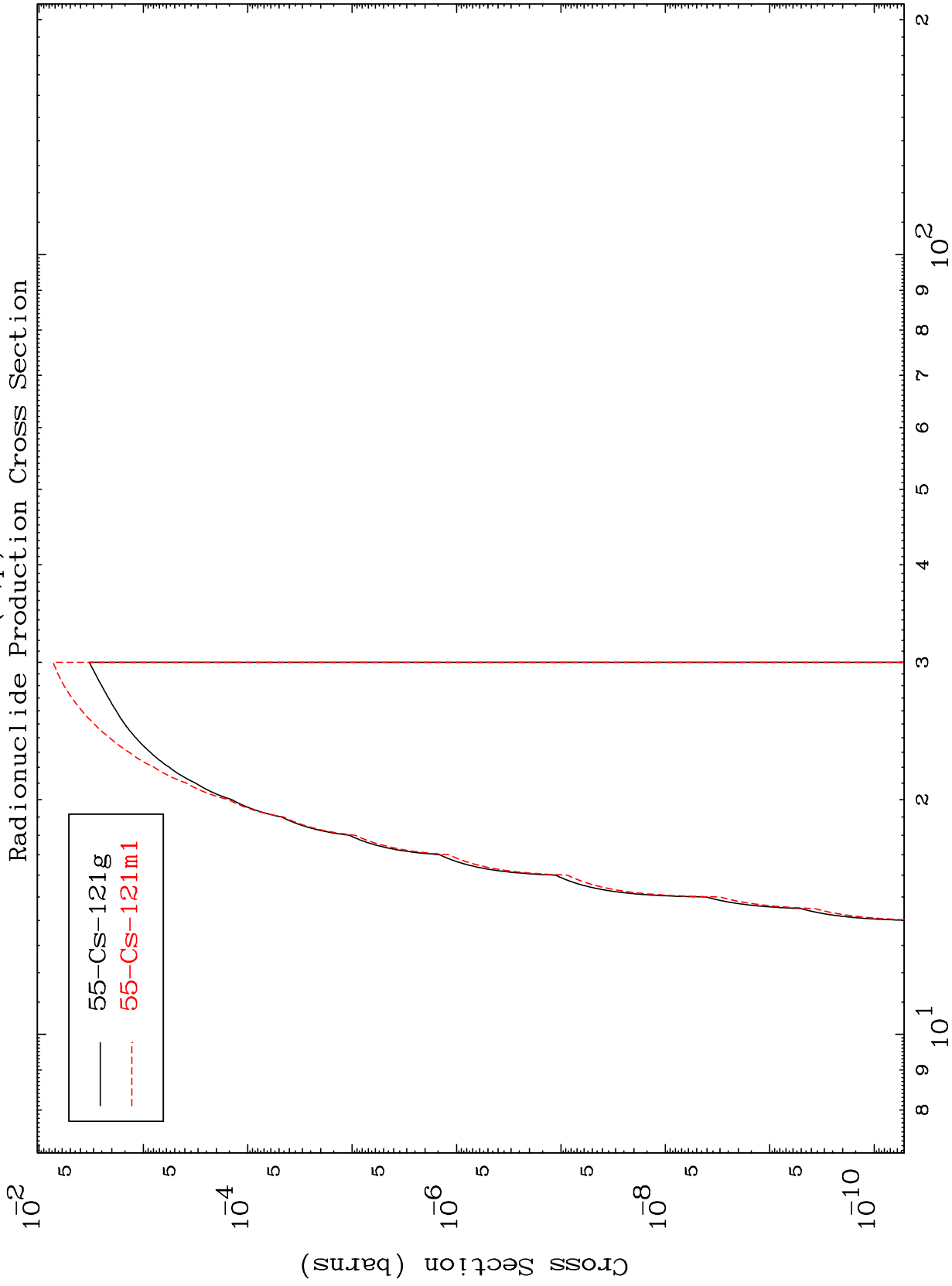
Incident Energy (MeV)

57-La-124

MAT 5683

(n,p) t

57-La-124



79

Incident Energy (MeV)

57-La-124