

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

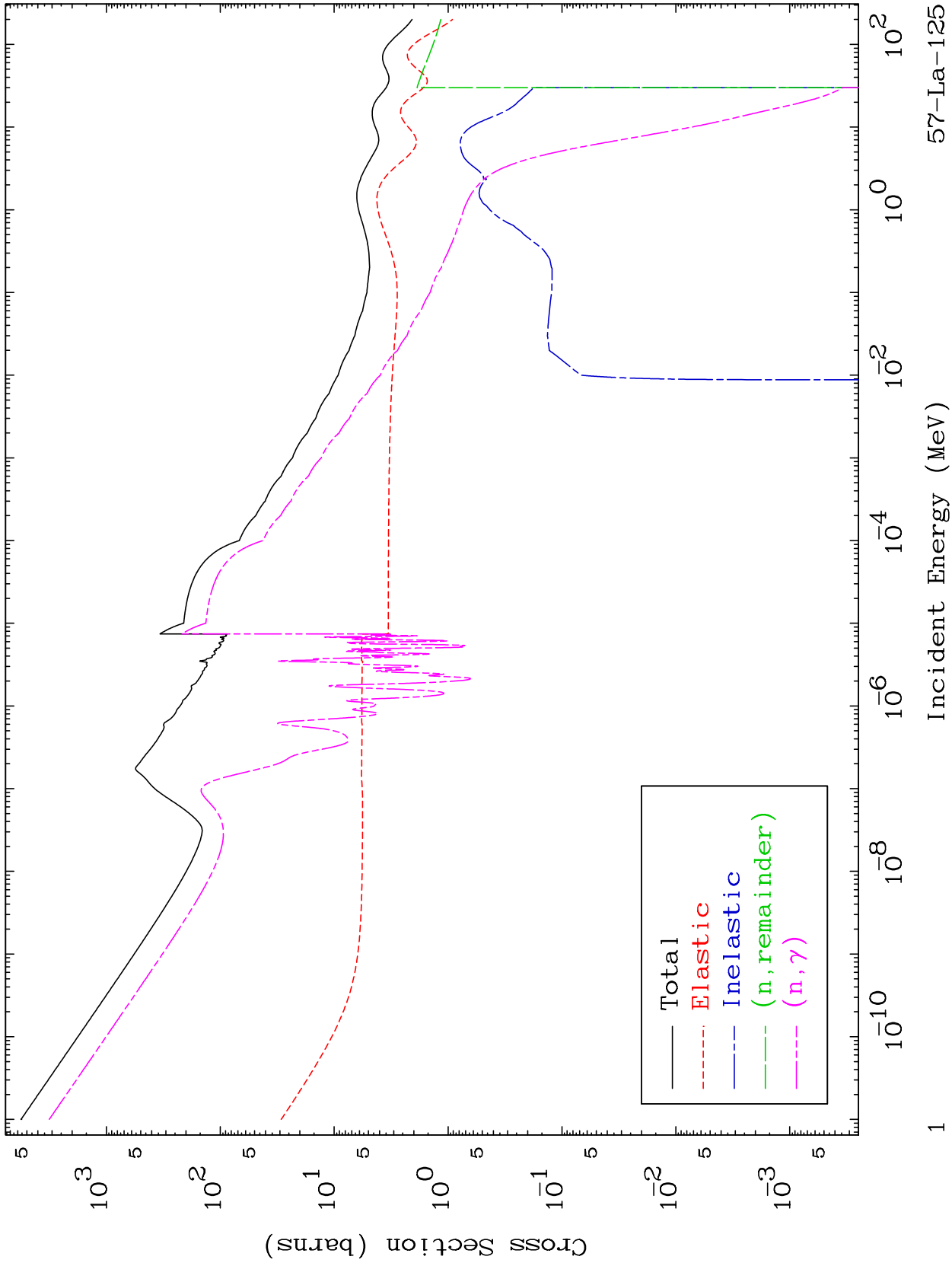
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5686

Major
293 Kelvin Cross Sections

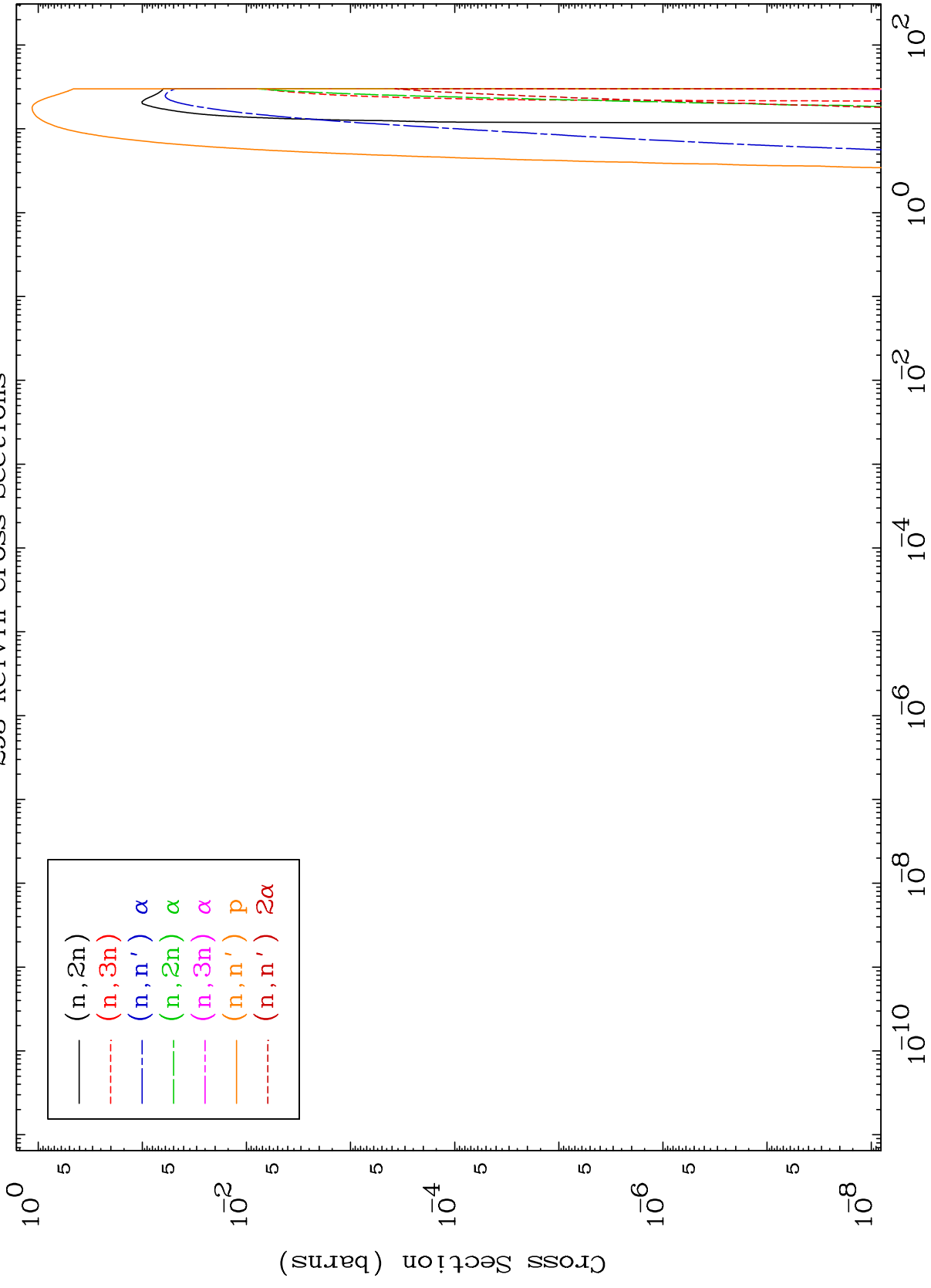
57-La-125



MAT 5686

Neutron Production
293 Kelvin Cross Sections

57-La-125

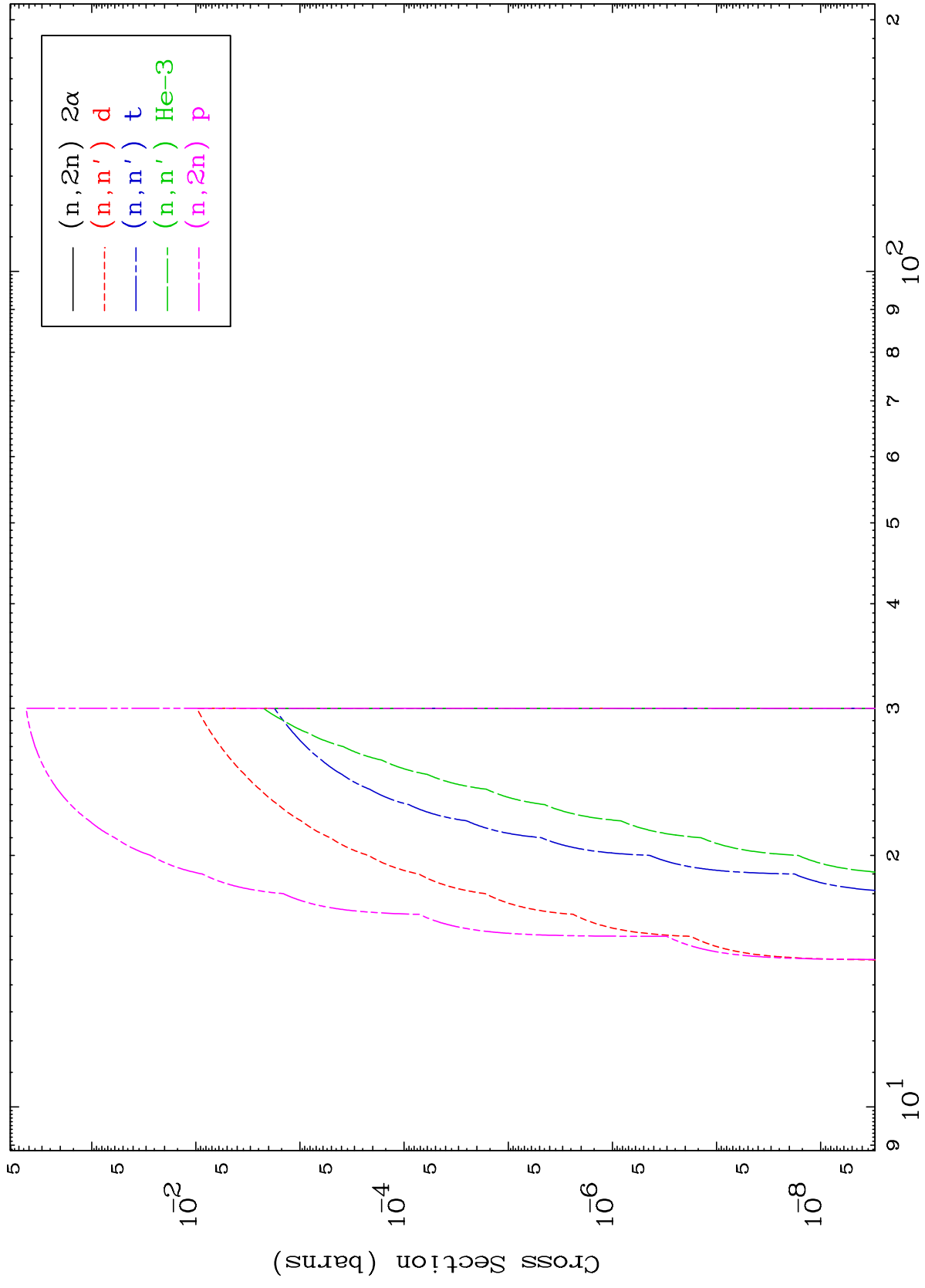


57-La-125

MAT 5686

Neutron Production
293 Kelvin Cross Sections

57-La-125



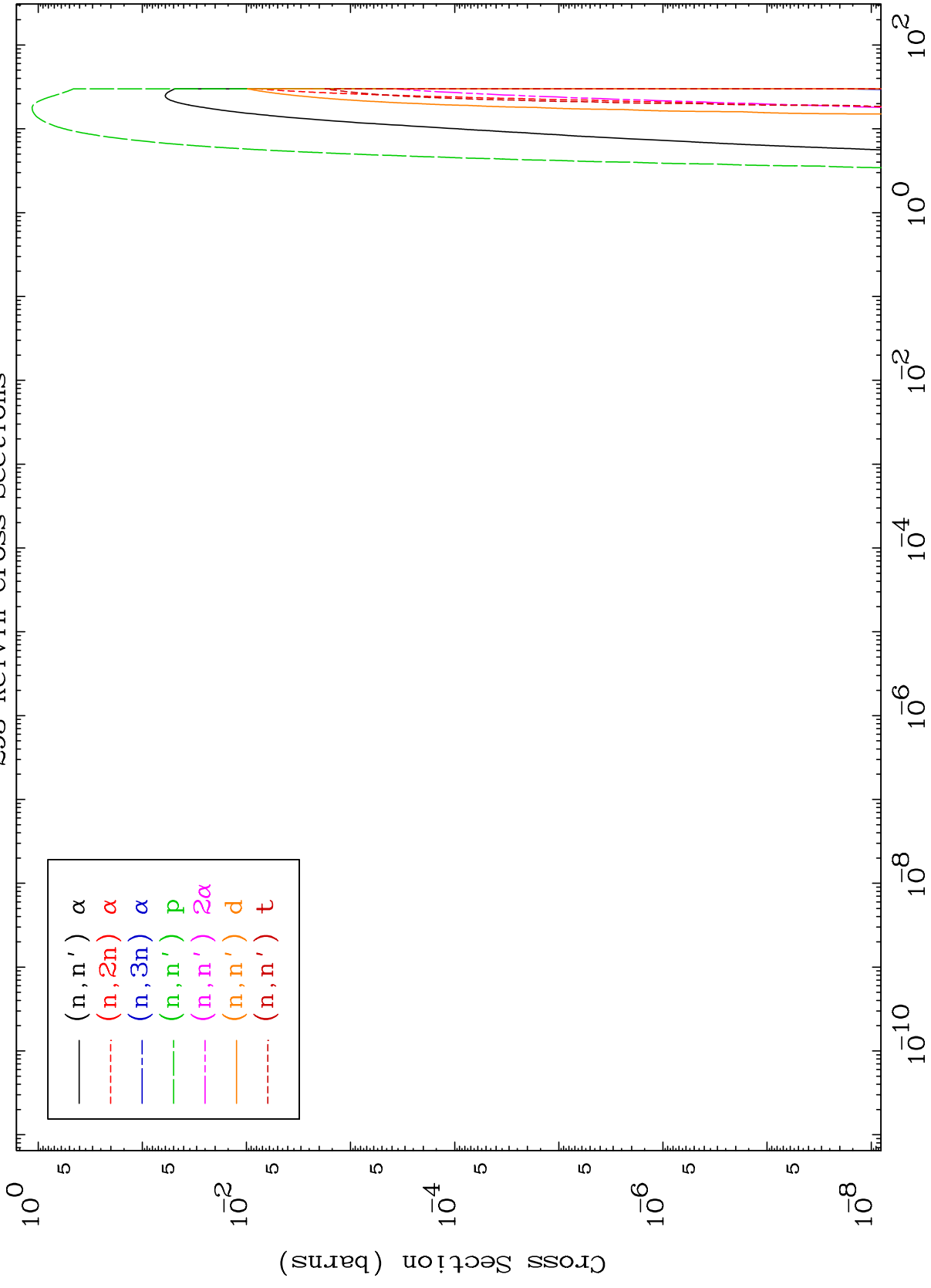
57-La-125

Incident Energy (MeV)

MAT 5686

293 Charged Particle
Kelvin Cross Sections

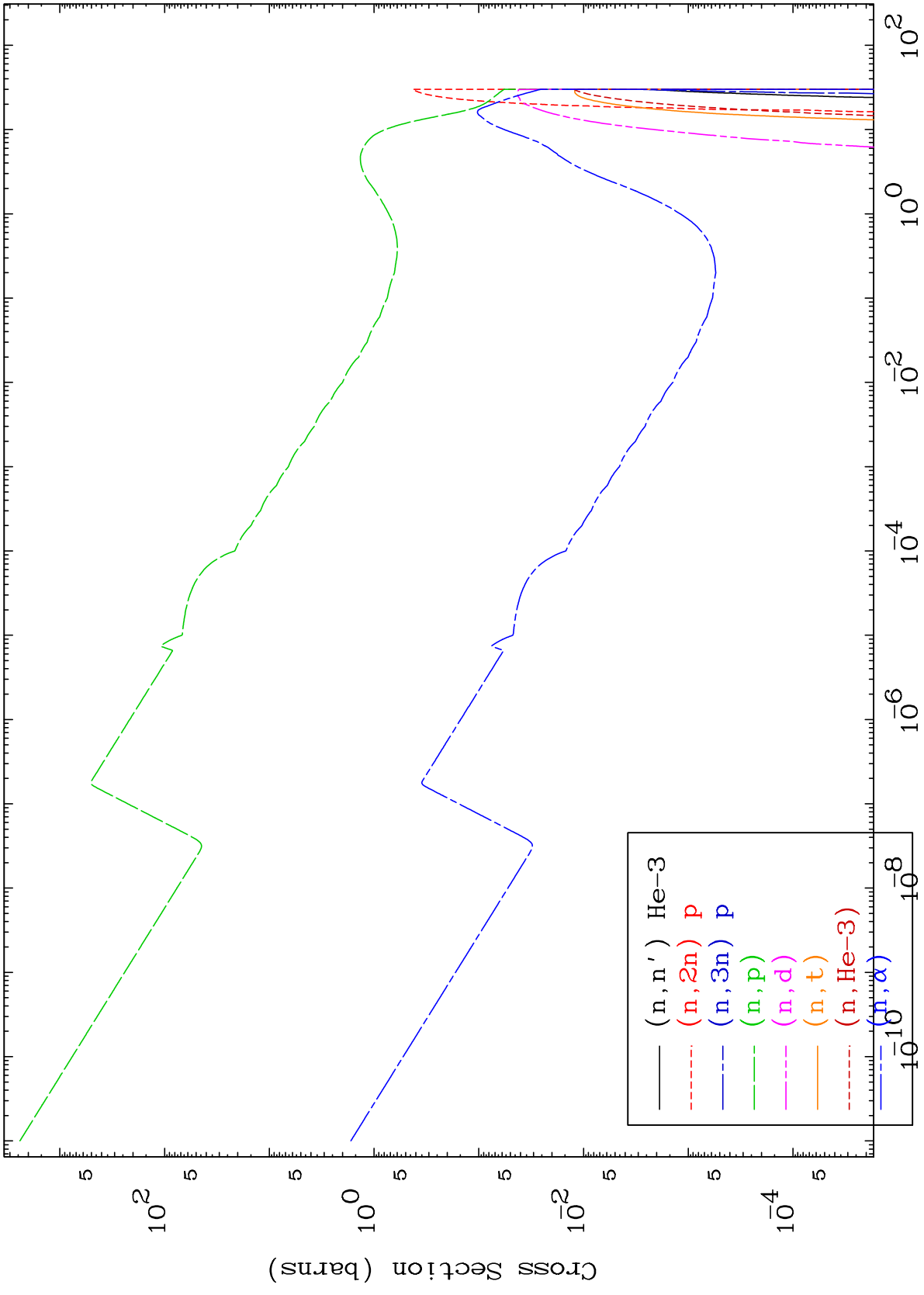
57-La-125



MAT 5686

Charged Particle
293 Kelvin Cross Sections

57-La-125

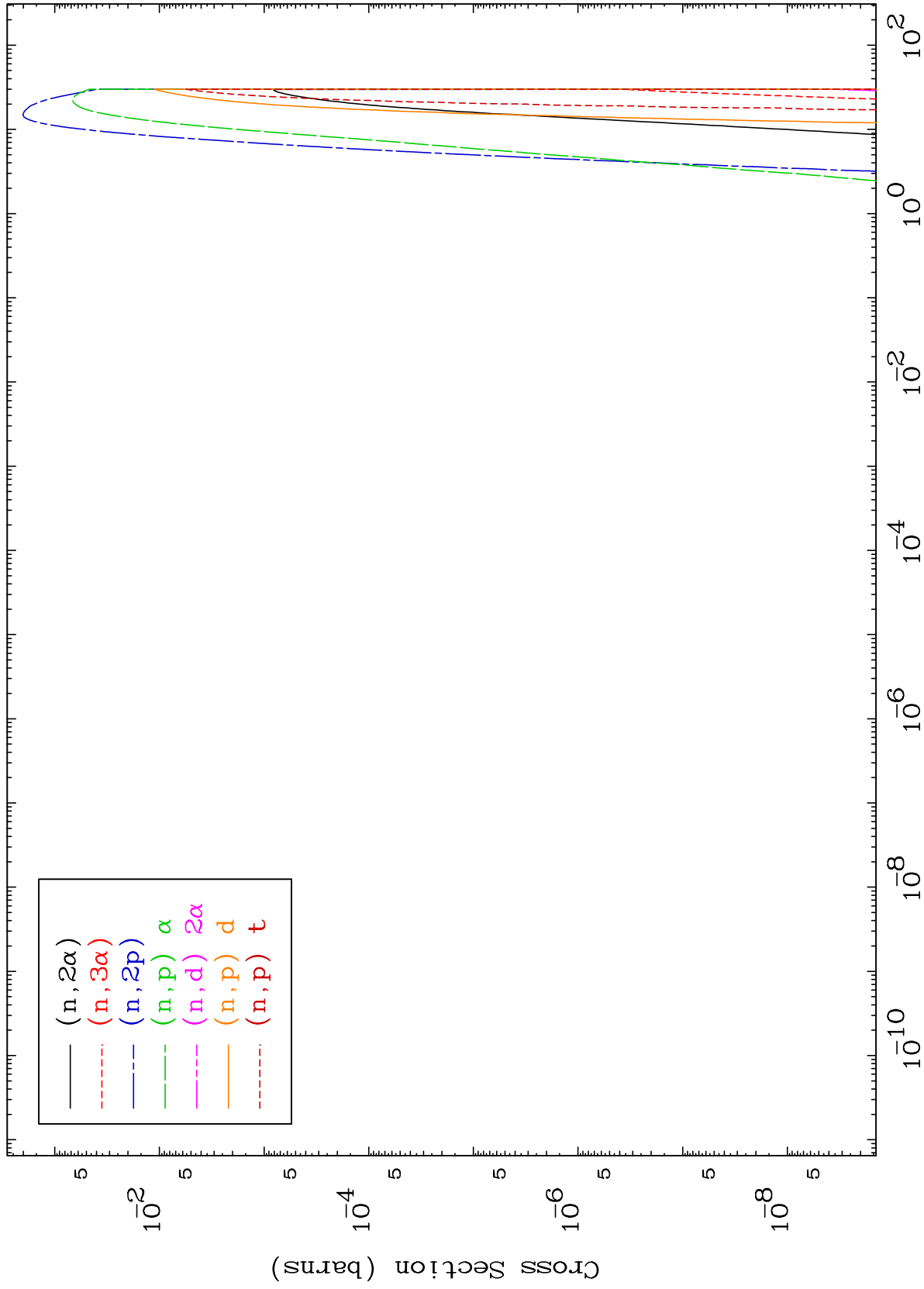


57-La-125

MAT 5686

Charged Particle
293 Kelvin Cross Sections

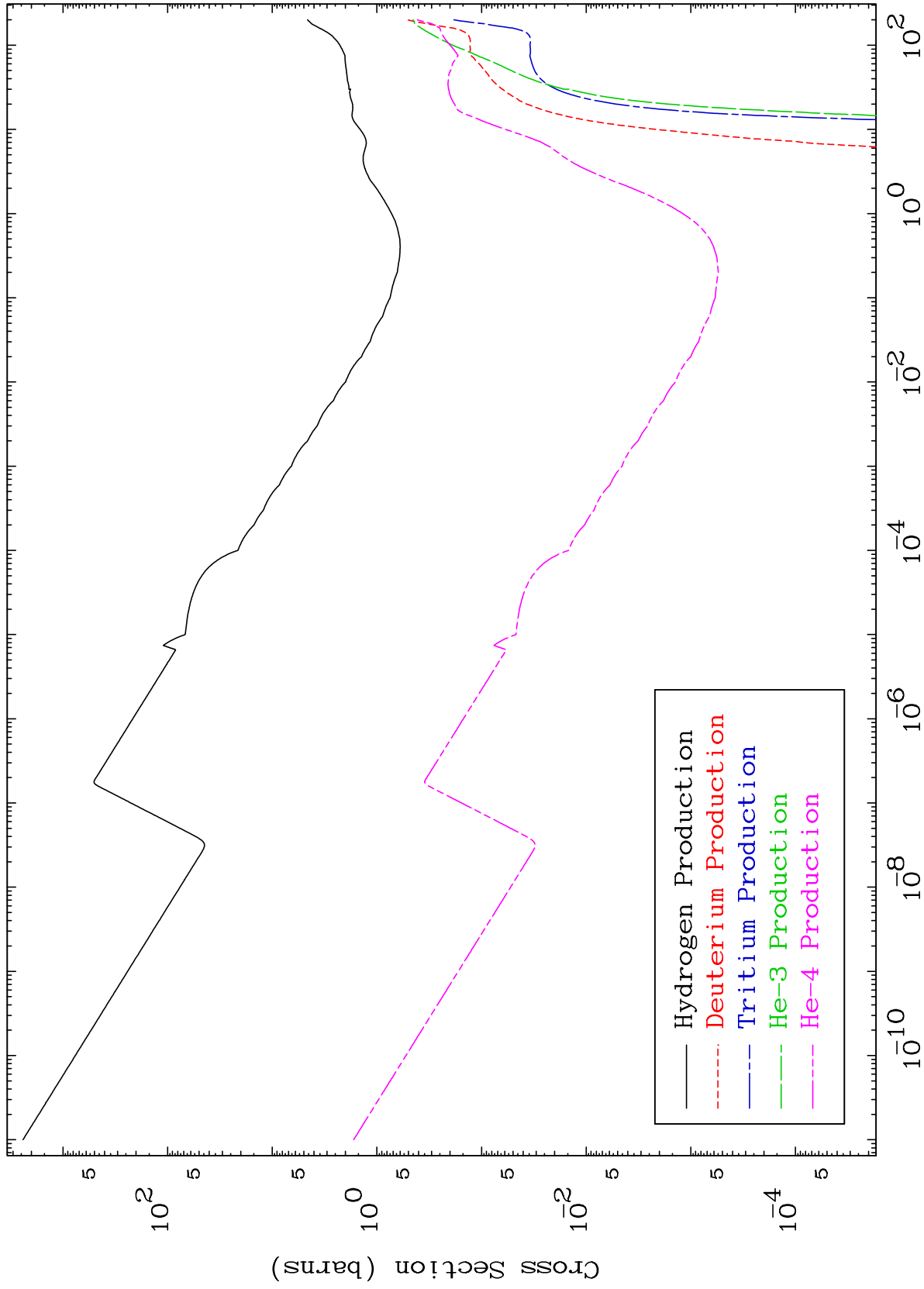
57-La-125



MAT 5686

Particle Production
293 Kelvin Cross Sections

57-La-125



7

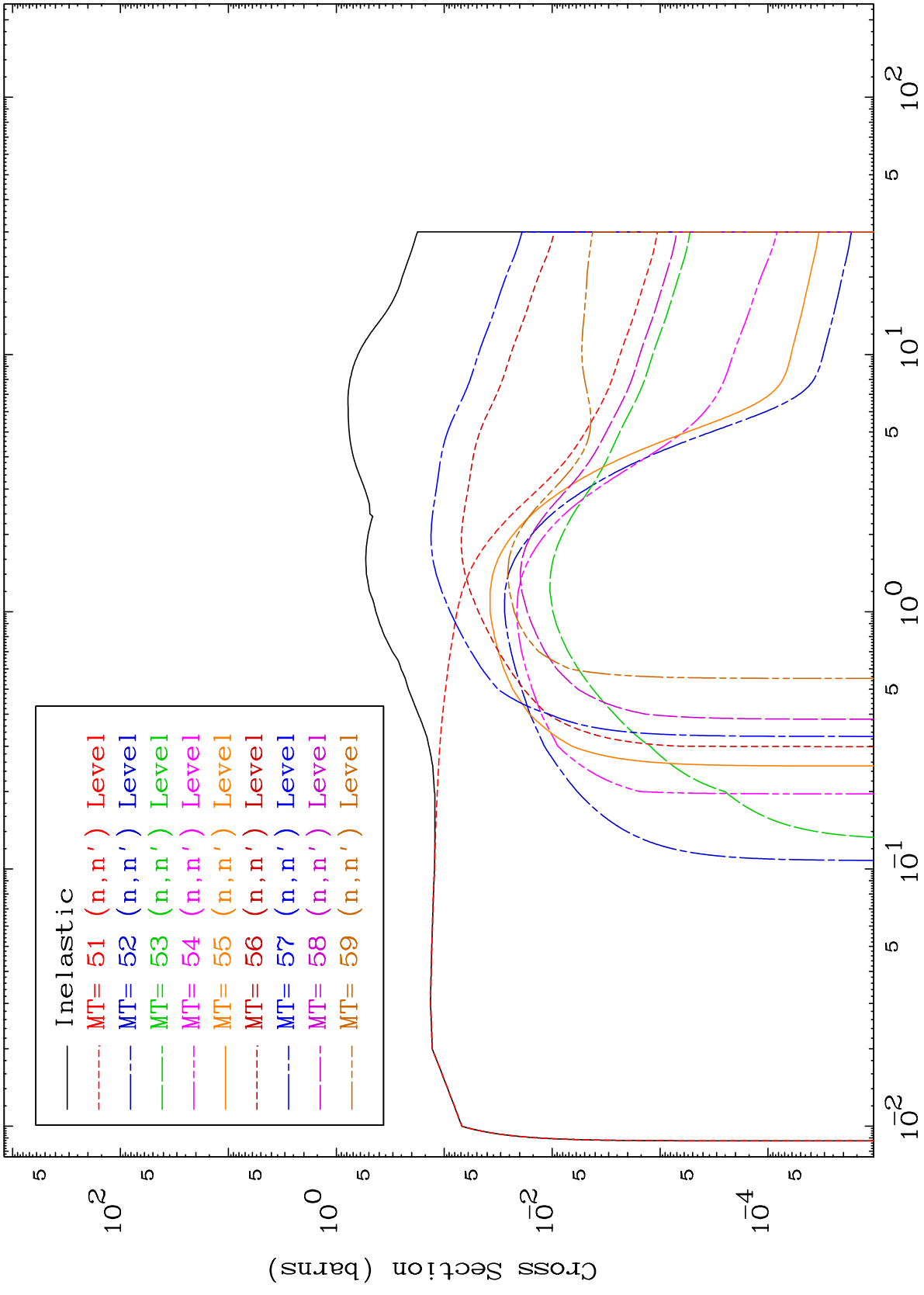
Incident Energy (MeV)

57-La-125

MAT 5686

(n,n') Level
293 Kelvin Cross Sections

57-La-125



8

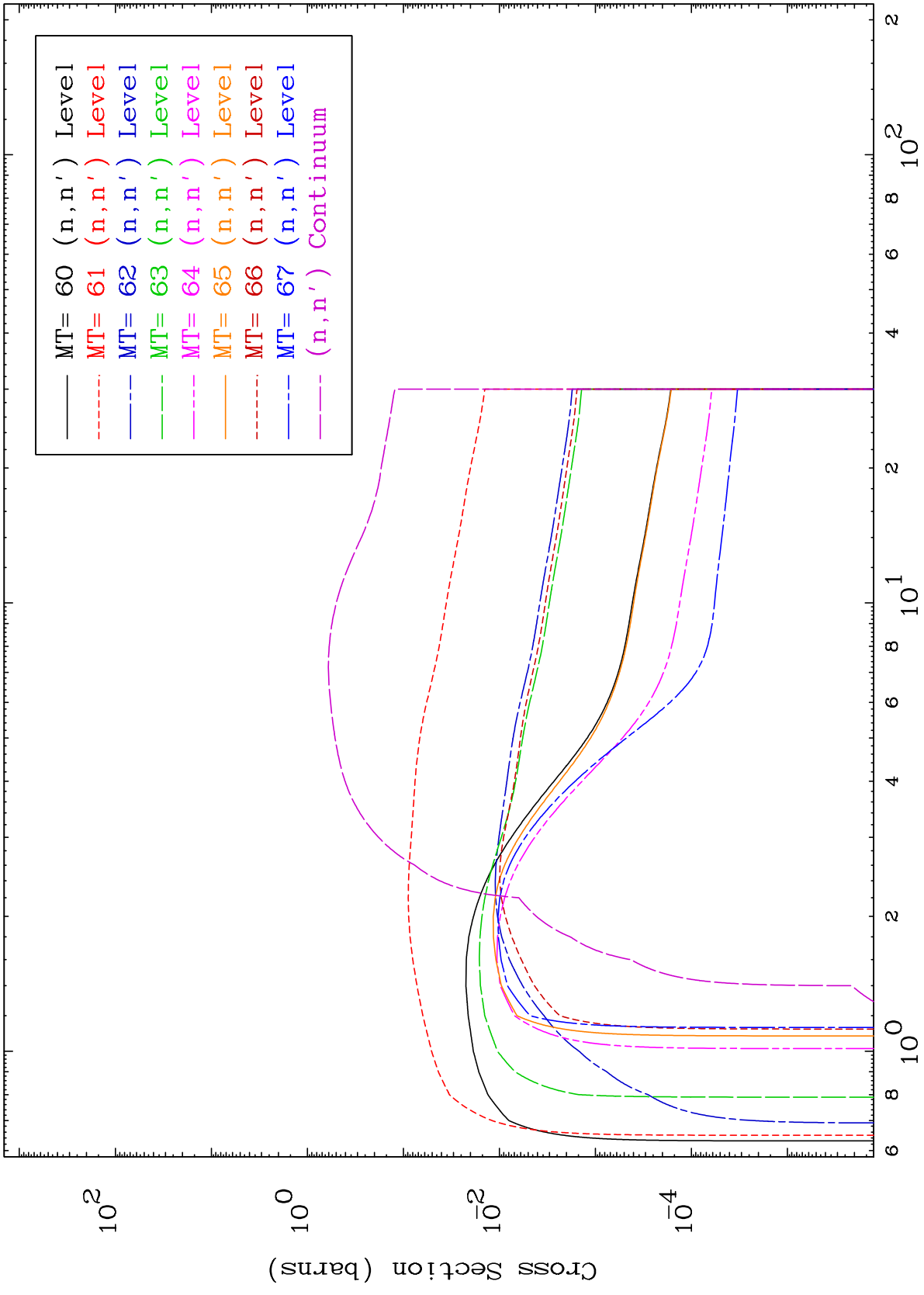
Incident Energy (MeV)

57-La-125

MAT 5686

(n,n') Level
293 Kelvin Cross Sections

57-La-125



9

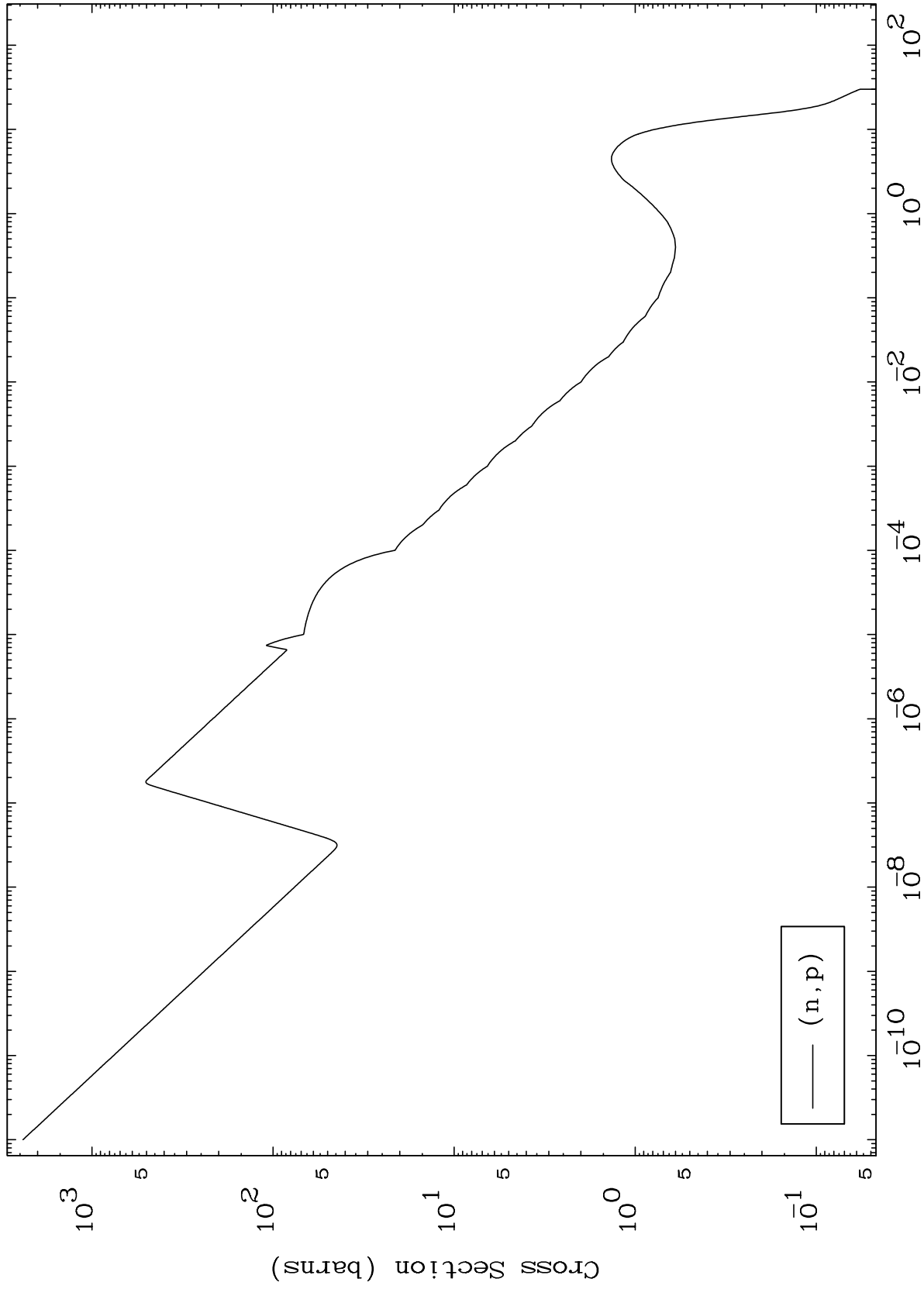
Incident Energy (MeV)

57-La-125

MAT 5686

(n,p) Levels
293 Kelvin Cross Sections

57-La-125



10

Incident Energy (MeV)

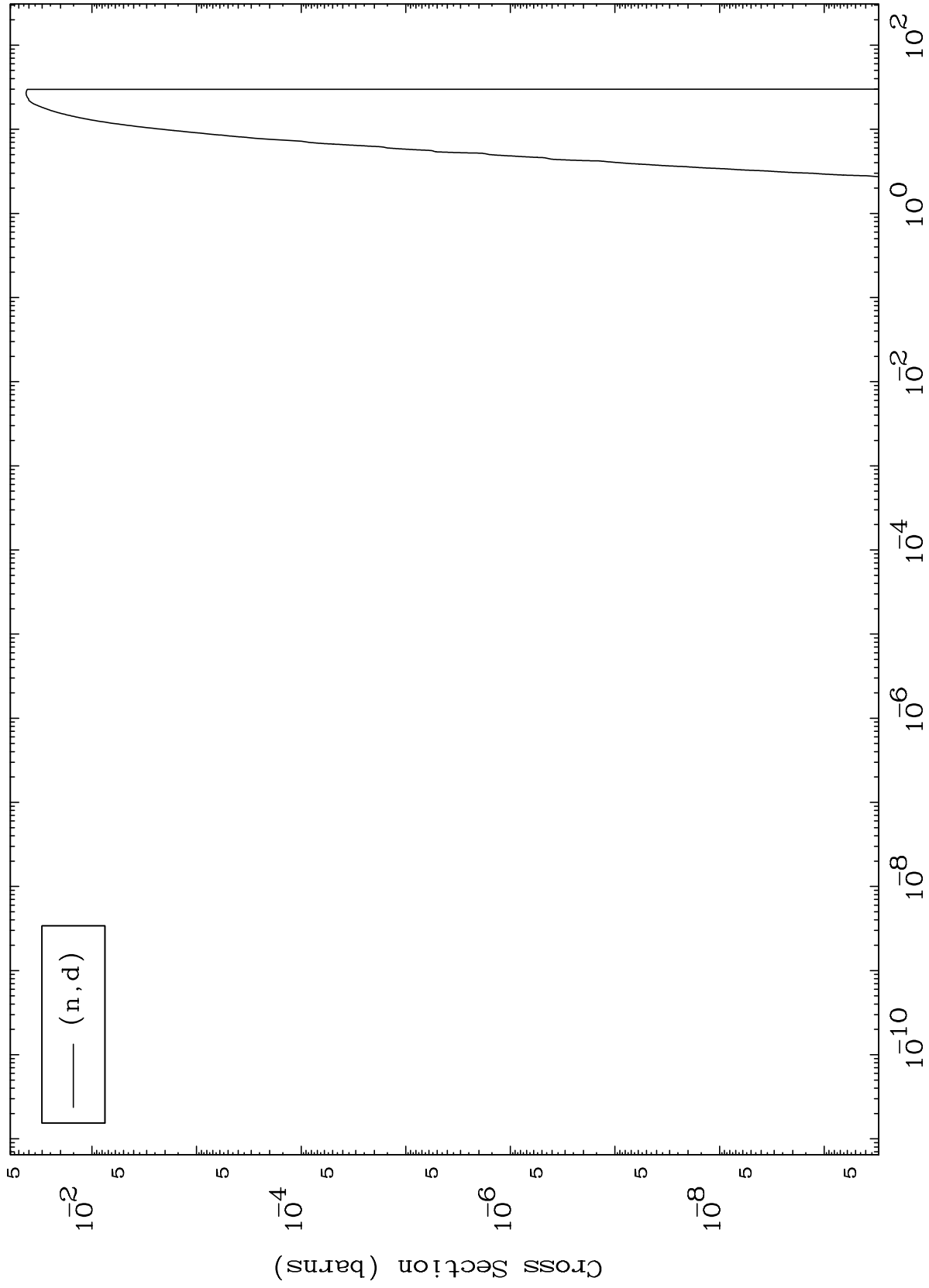
57-La-125

(n,p)

MAT 5686

(n,d) Levels
293 Kelvin Cross Sections

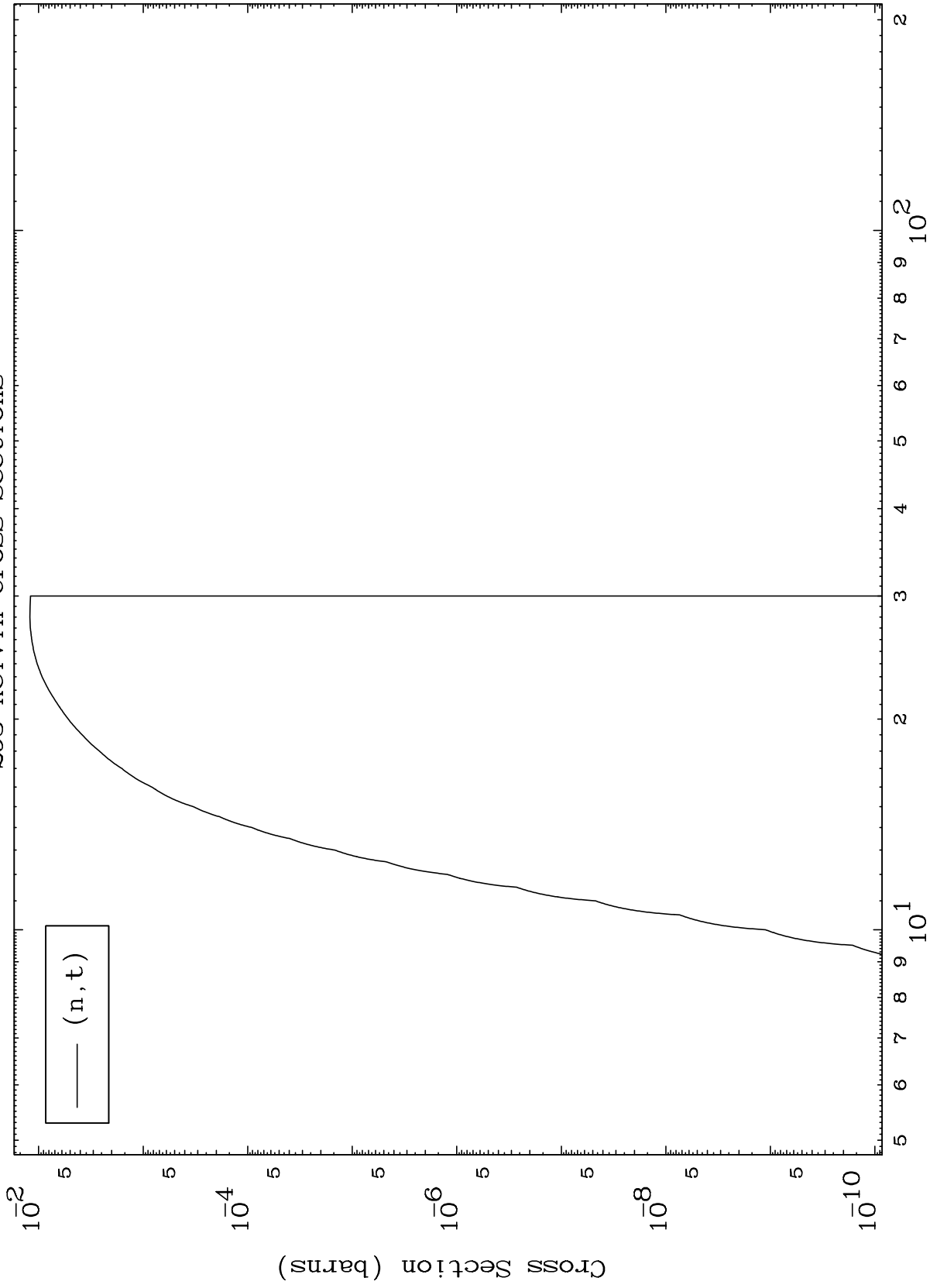
57-La-125



MAT 5686

(n,t) Levels
293 Kelvin Cross Sections

57-La-125



12

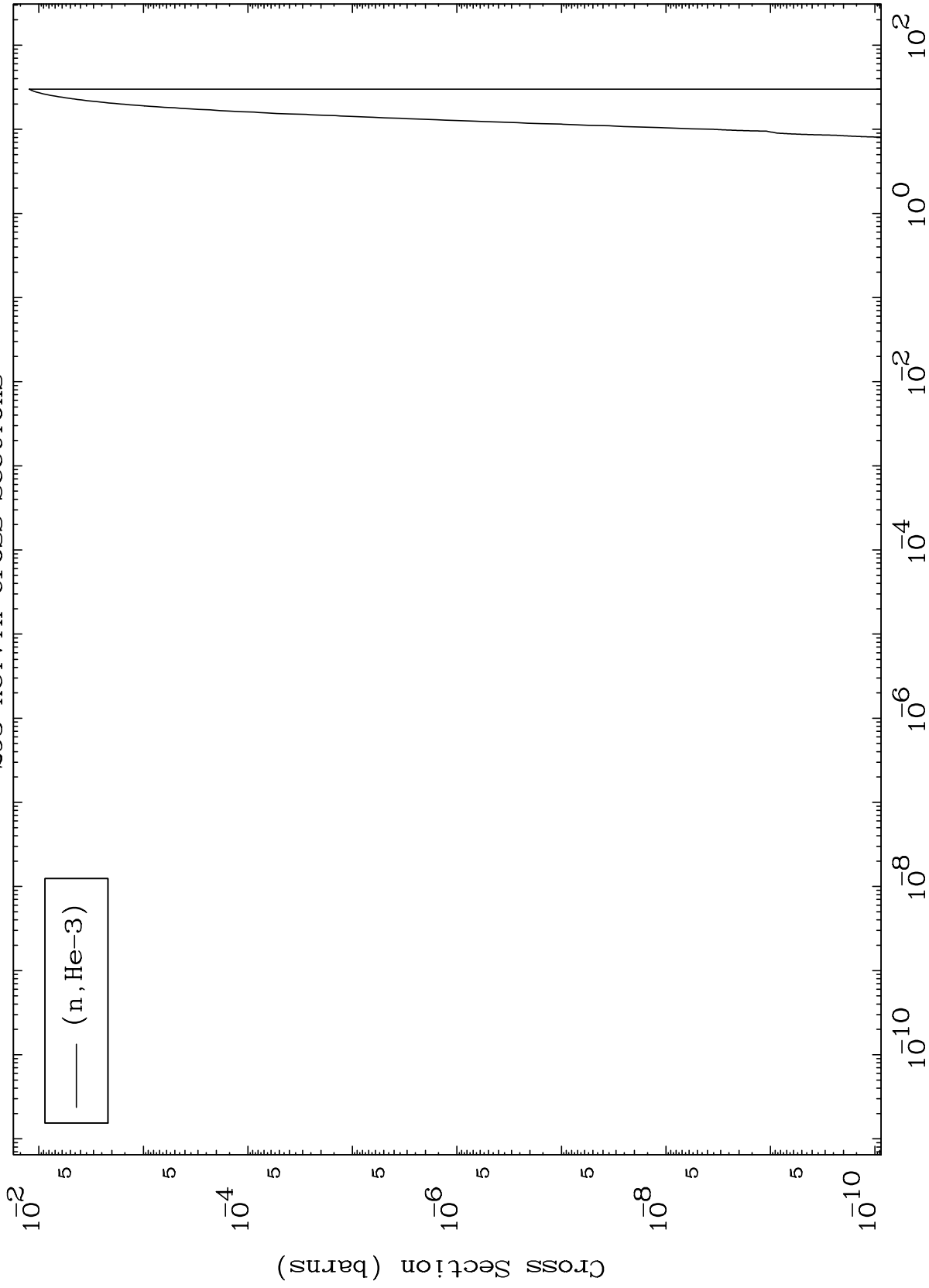
Incident Energy (MeV)

57-La-125

MAT 5686

(n,He3) Levels
293 Kelvin Cross Sections

57-La-125



13

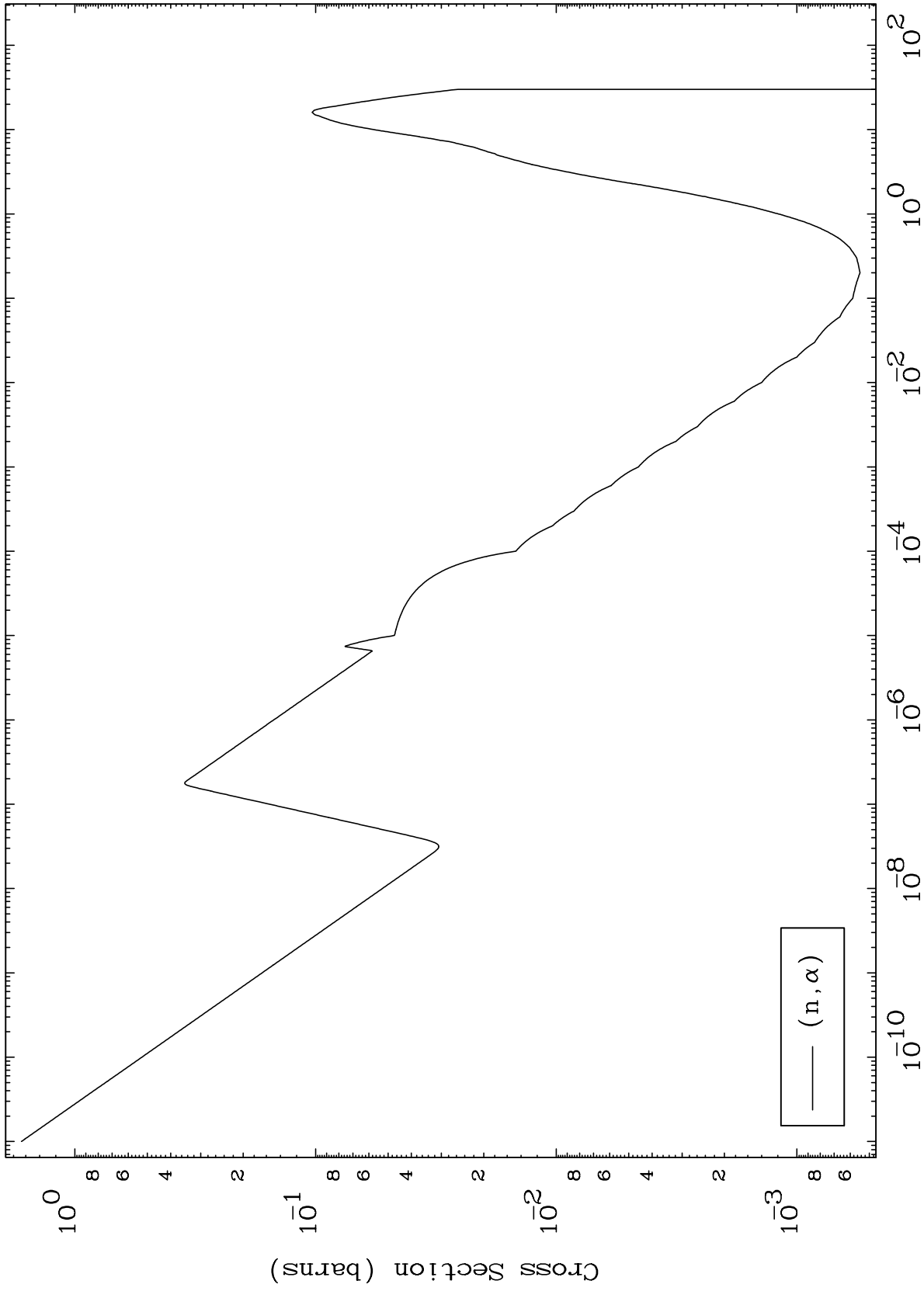
Incident Energy (MeV)

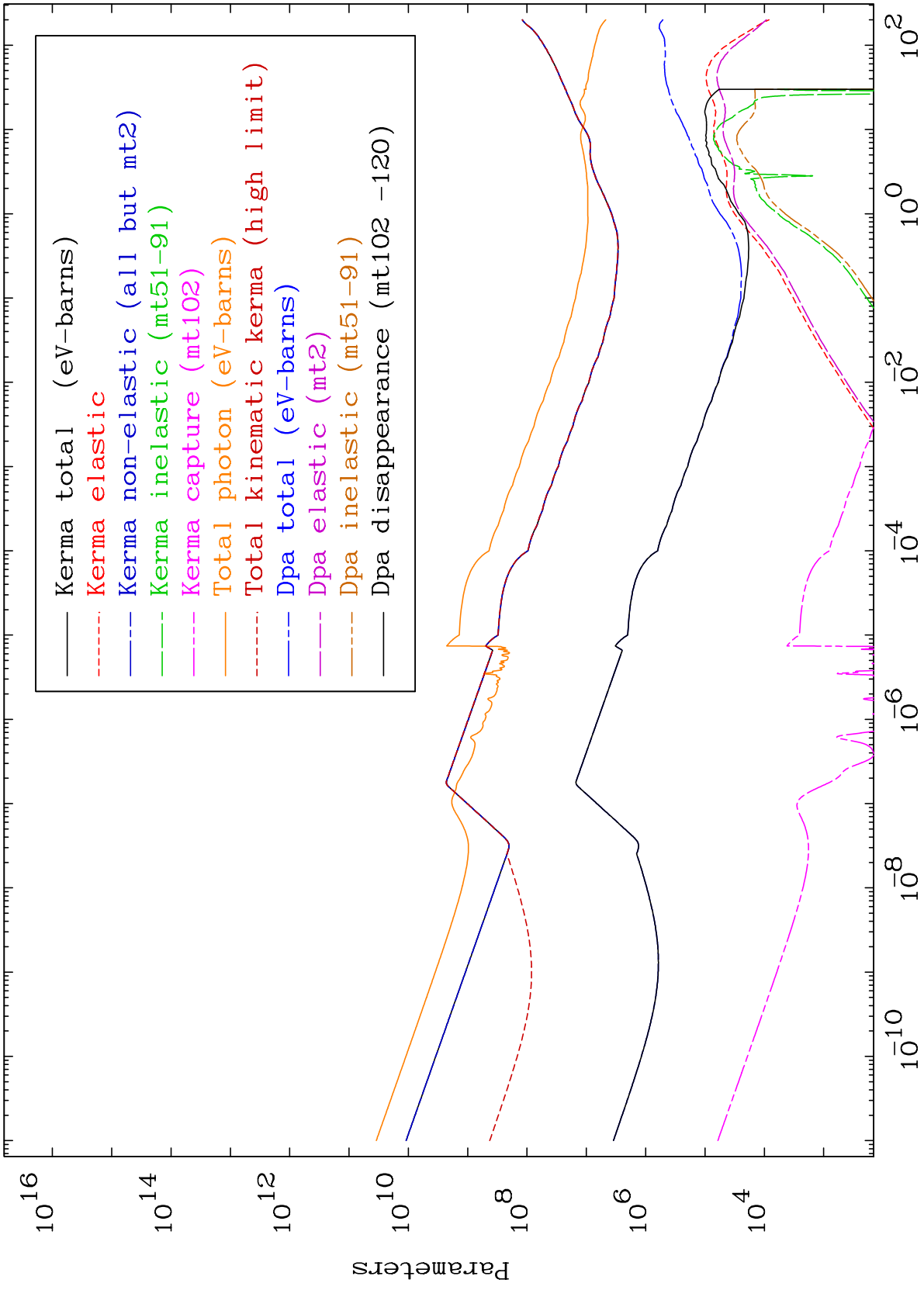
57-La-125

MAT 5686

(n,α) Levels
293 Kelvin Cross Sections

57-La-125

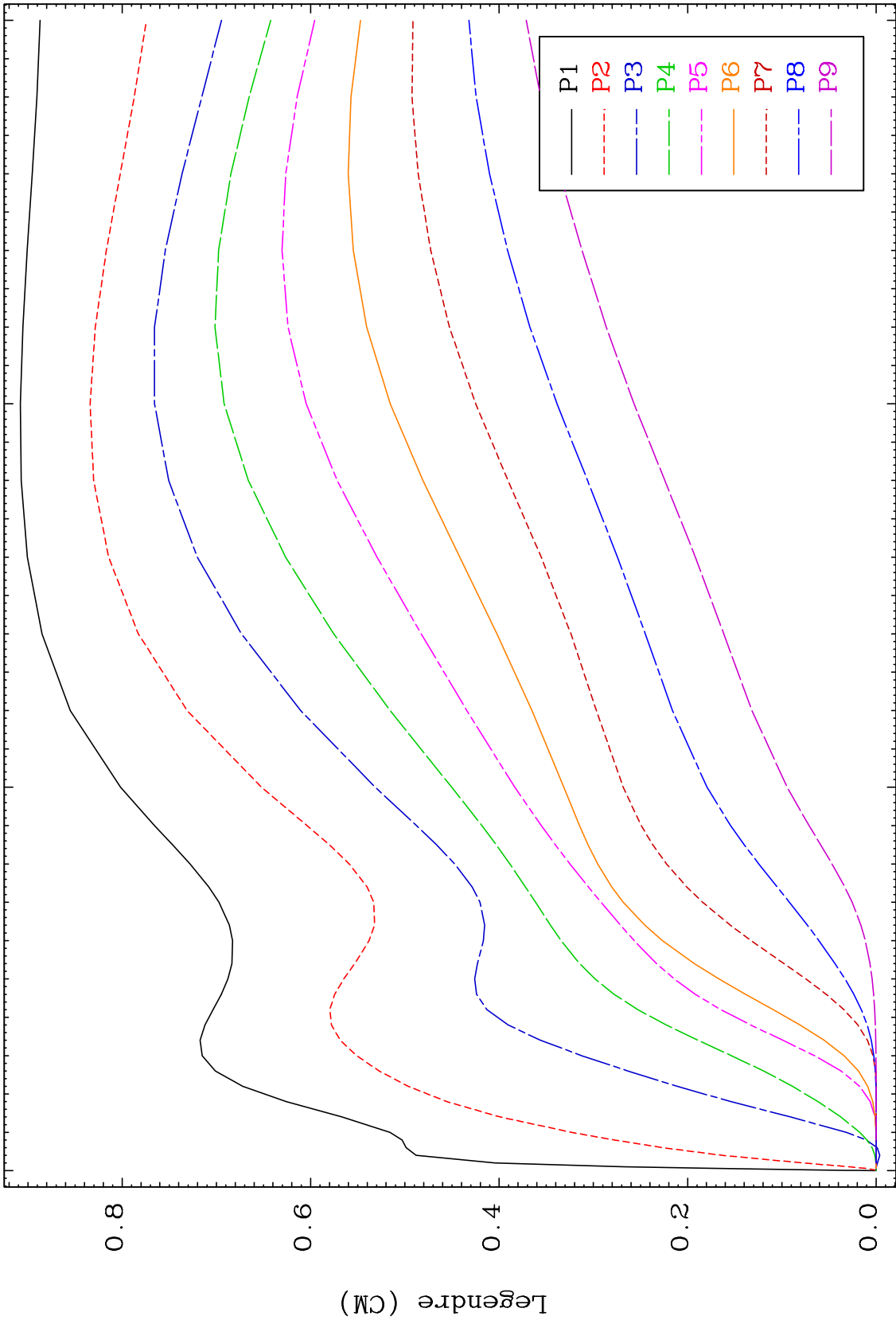




MAT 5686

Elastic Legendre Coefficients

57-La-125



16

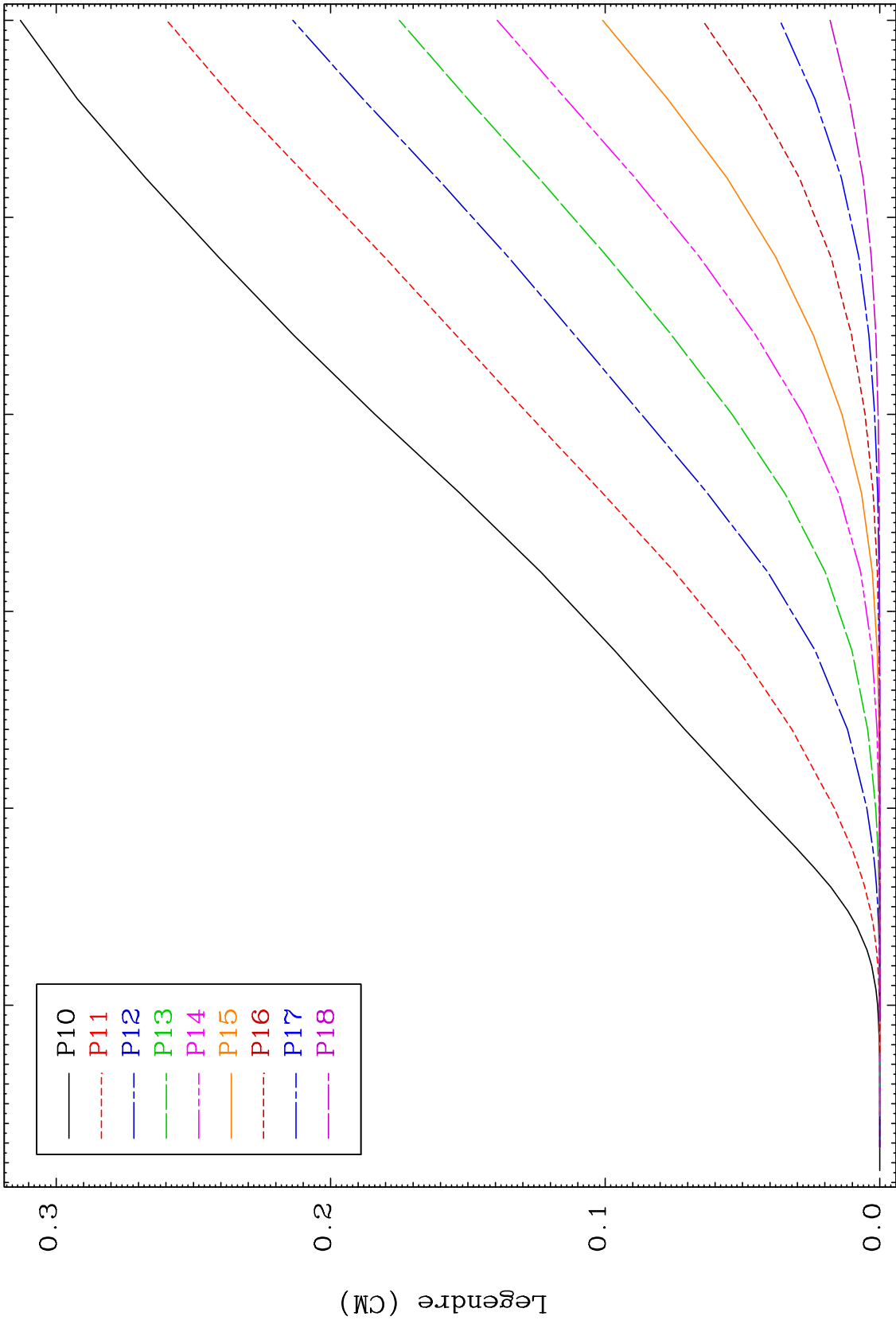
Incident Energy (MeV)

57-La-125

MAT 5686

Elastic Legendre Coefficients

57-La-125



17

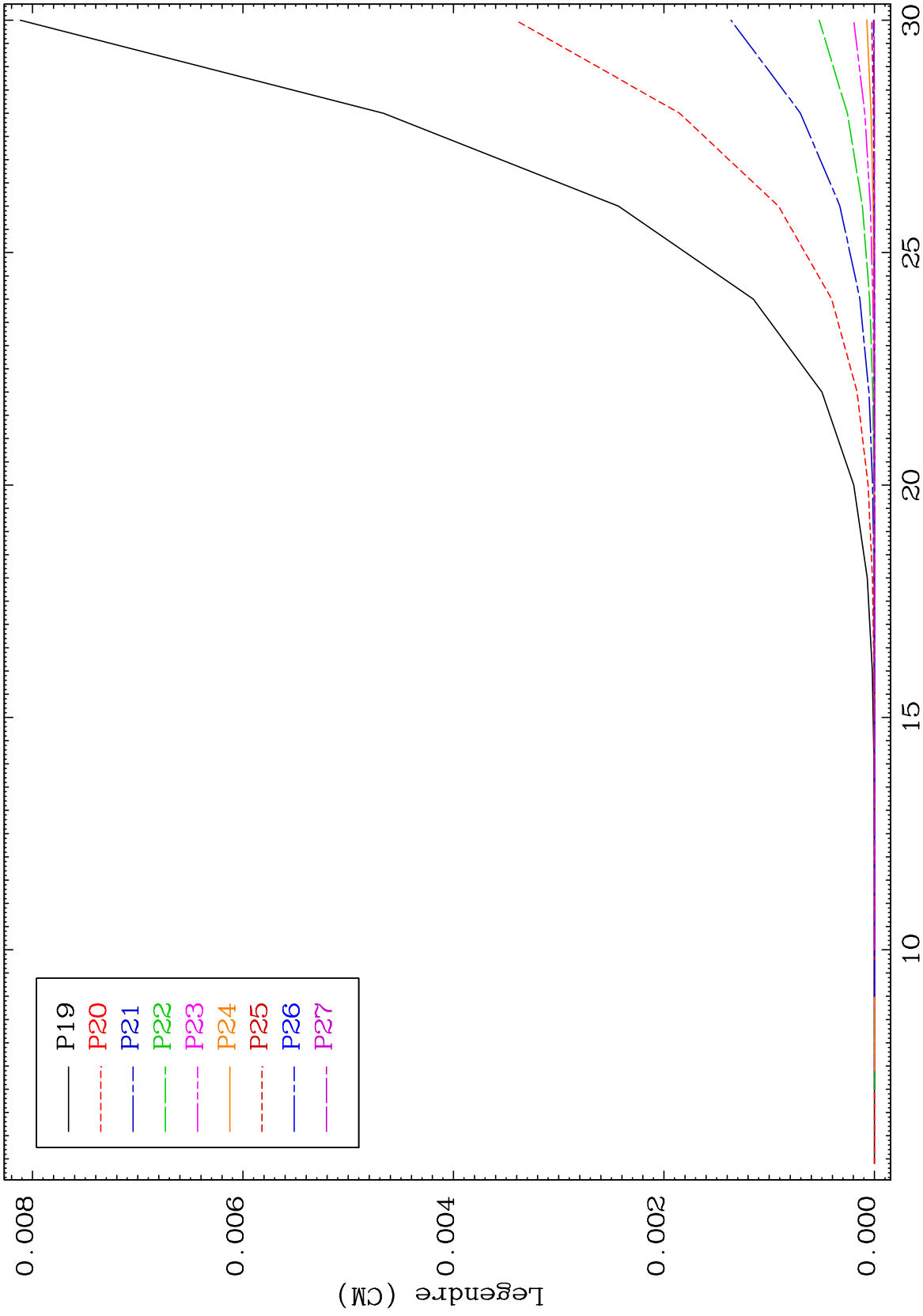
Incident Energy (MeV)

57-La-125

MAT 5686

Elastic Legendre Coefficients

57-La-125



18

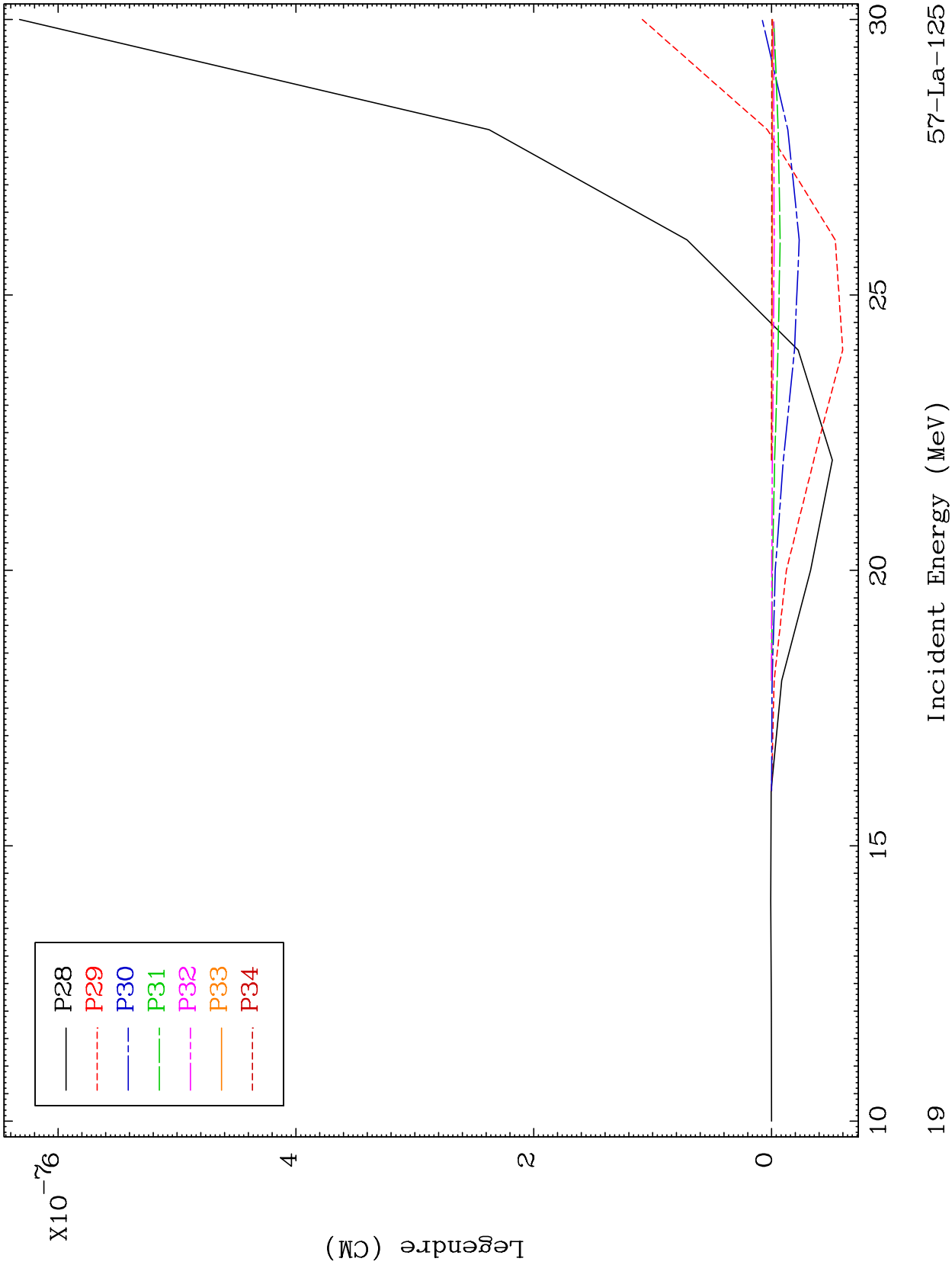
Incident Energy (MeV)

57-La-125

MAT 5686

Elastic Legendre Coefficients

57-La-125



19

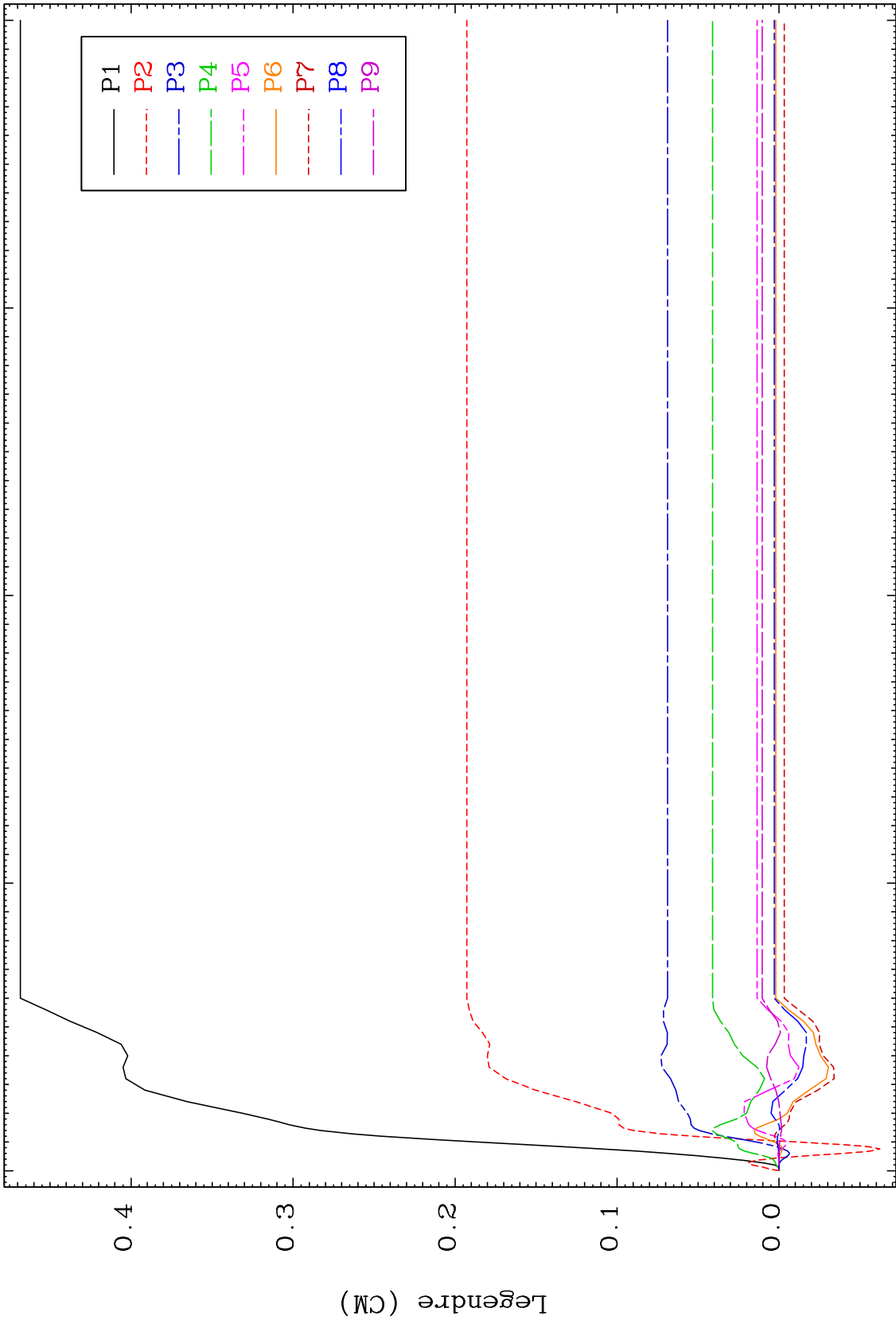
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



20

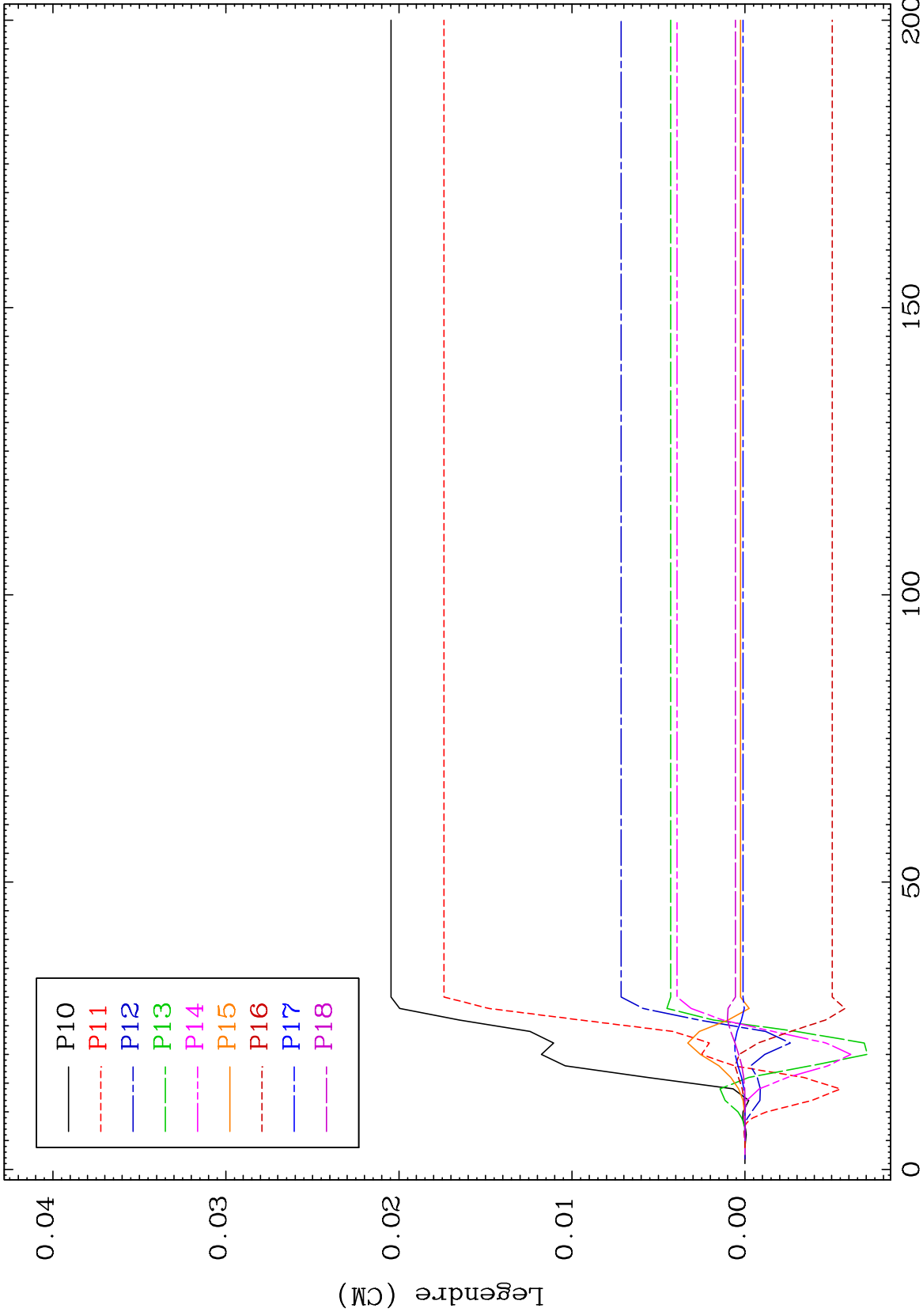
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



21

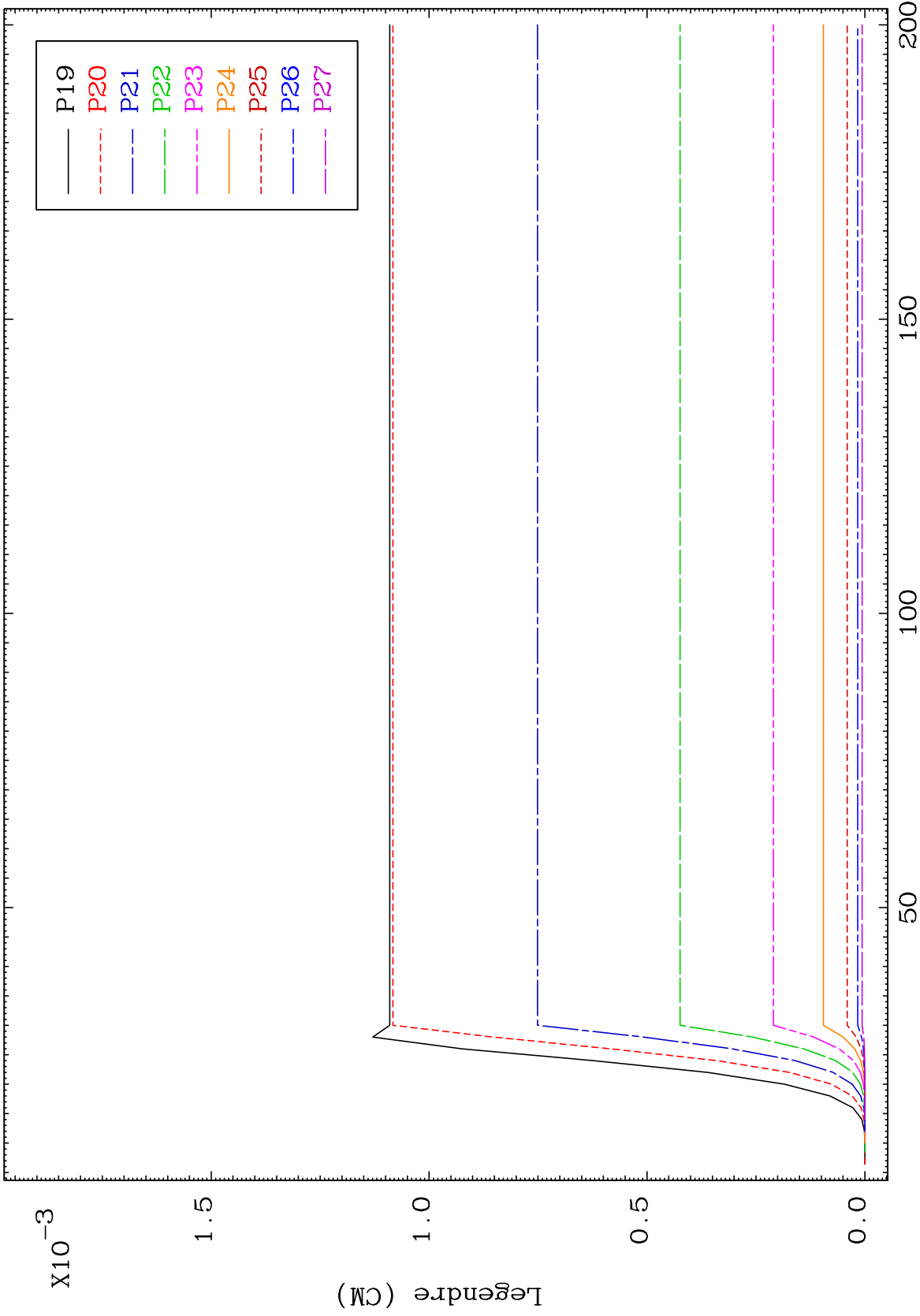
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



22

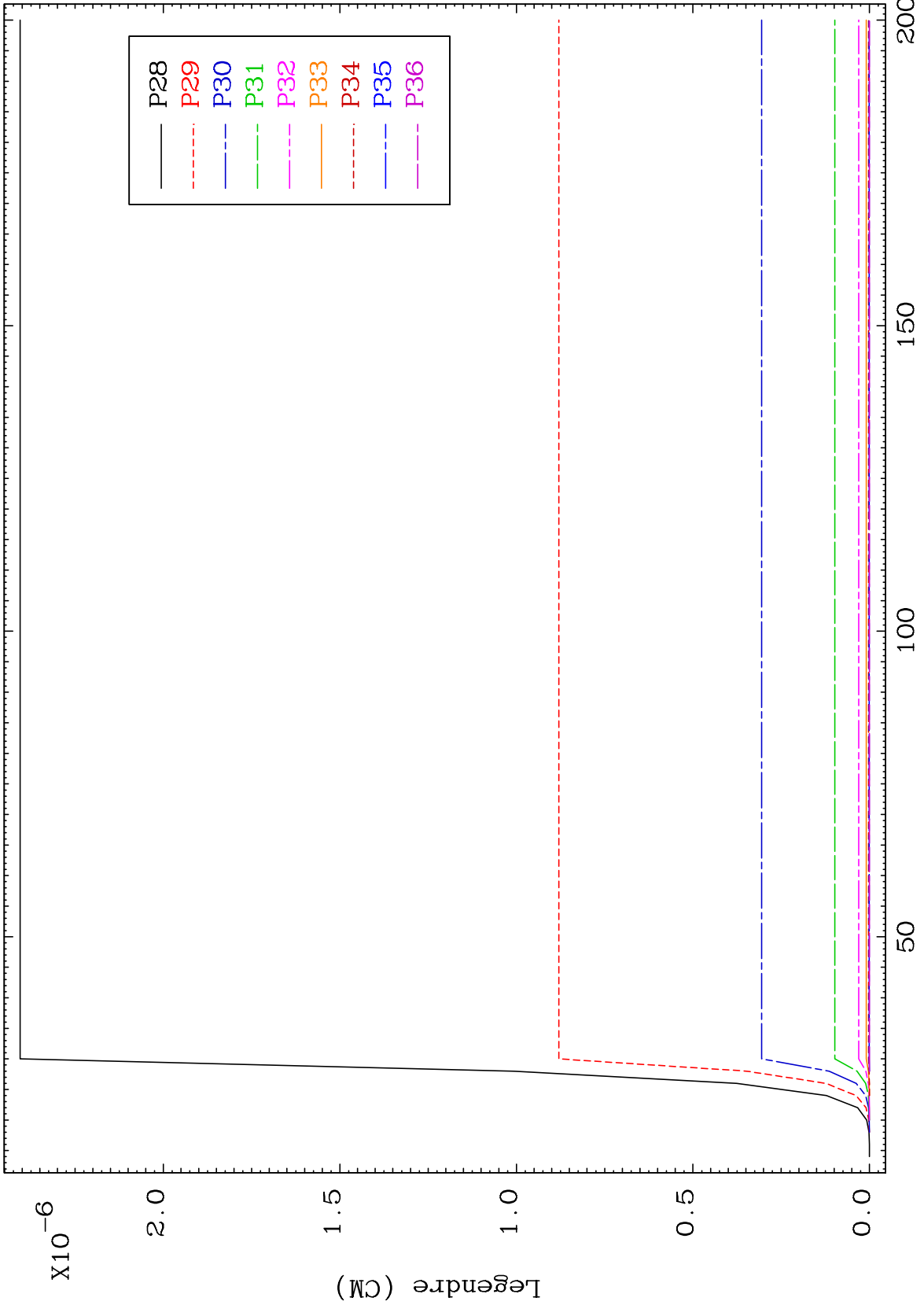
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



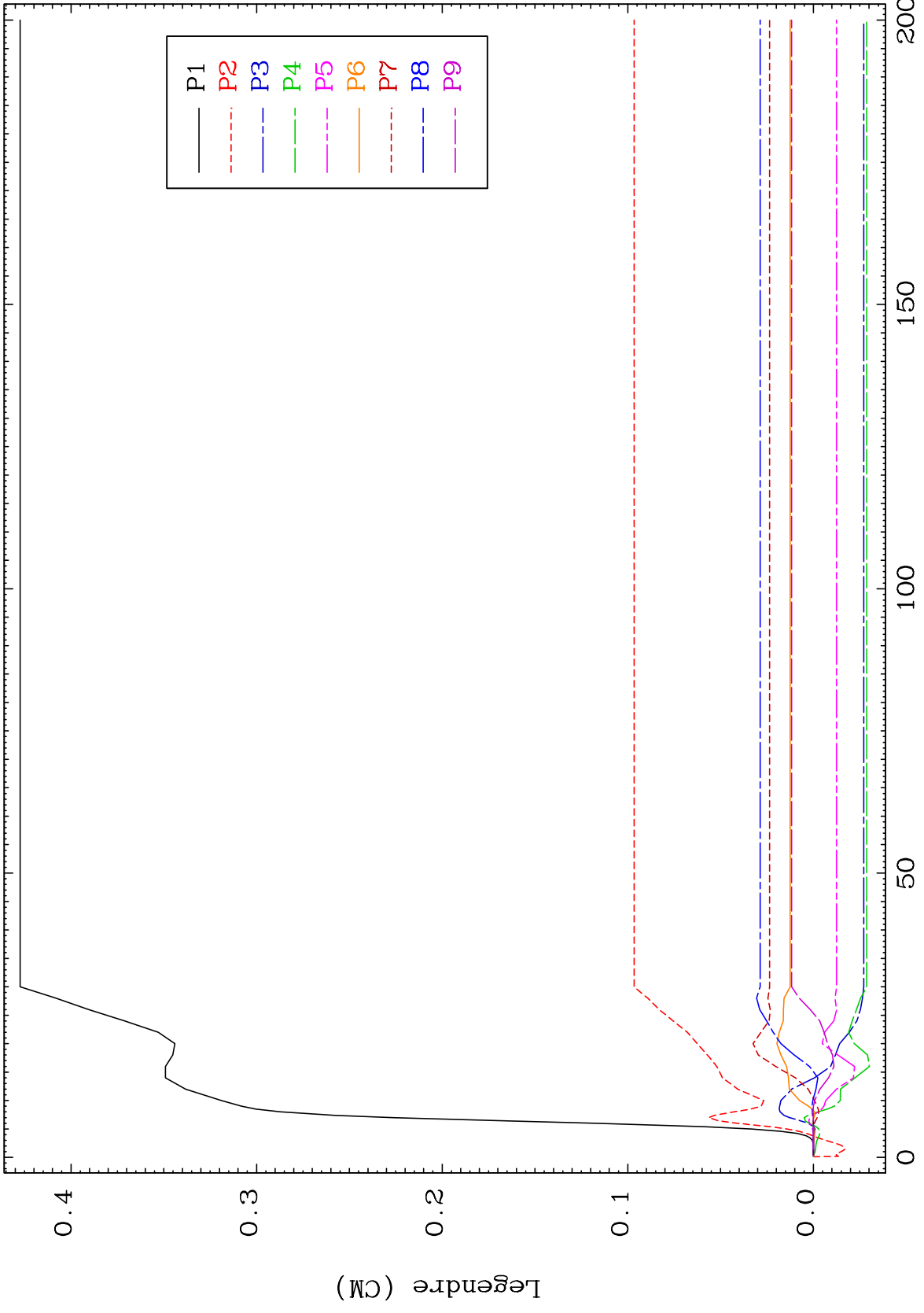
23

57-La-125

MAT 5686

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

57-La-125



24

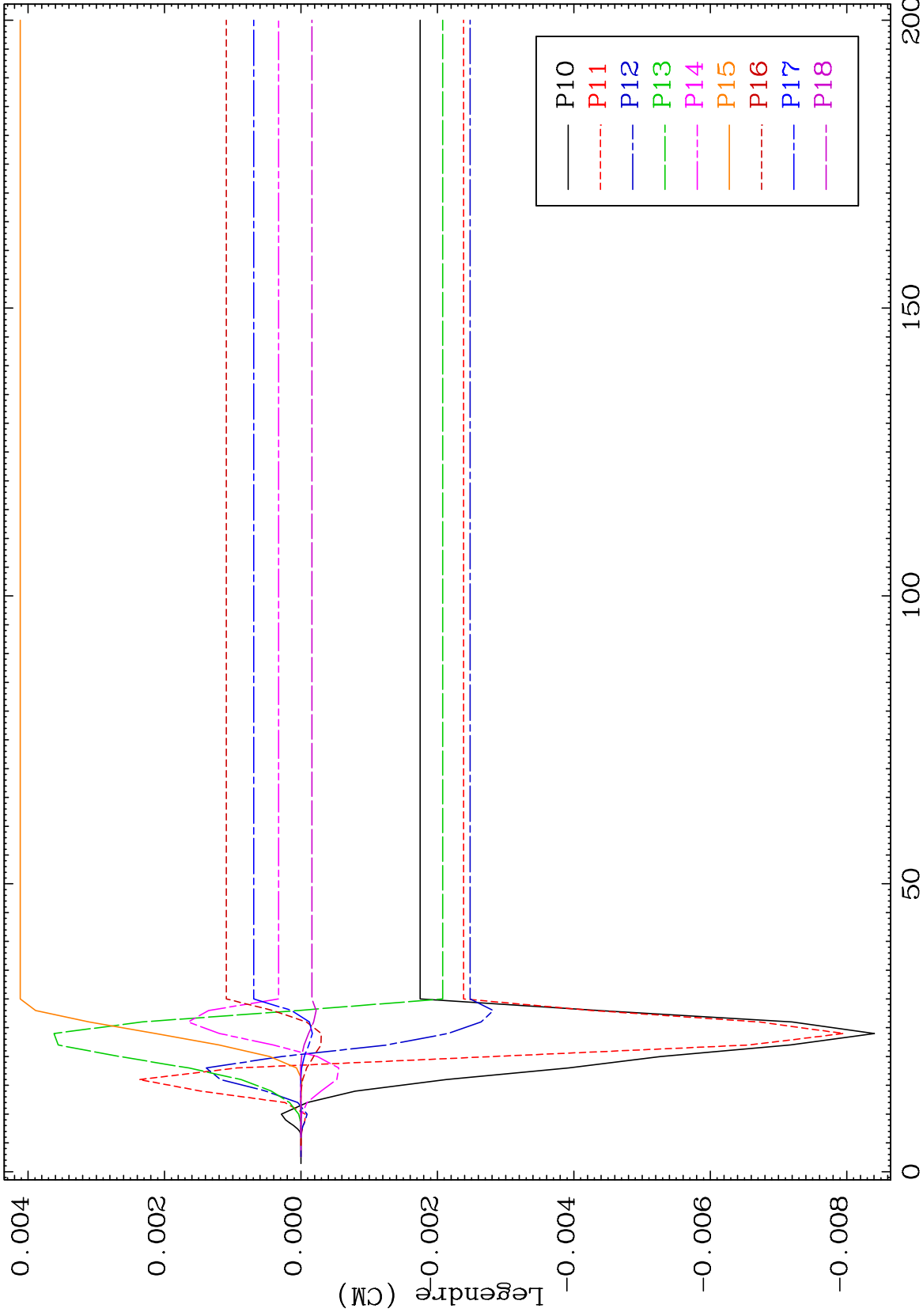
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



25

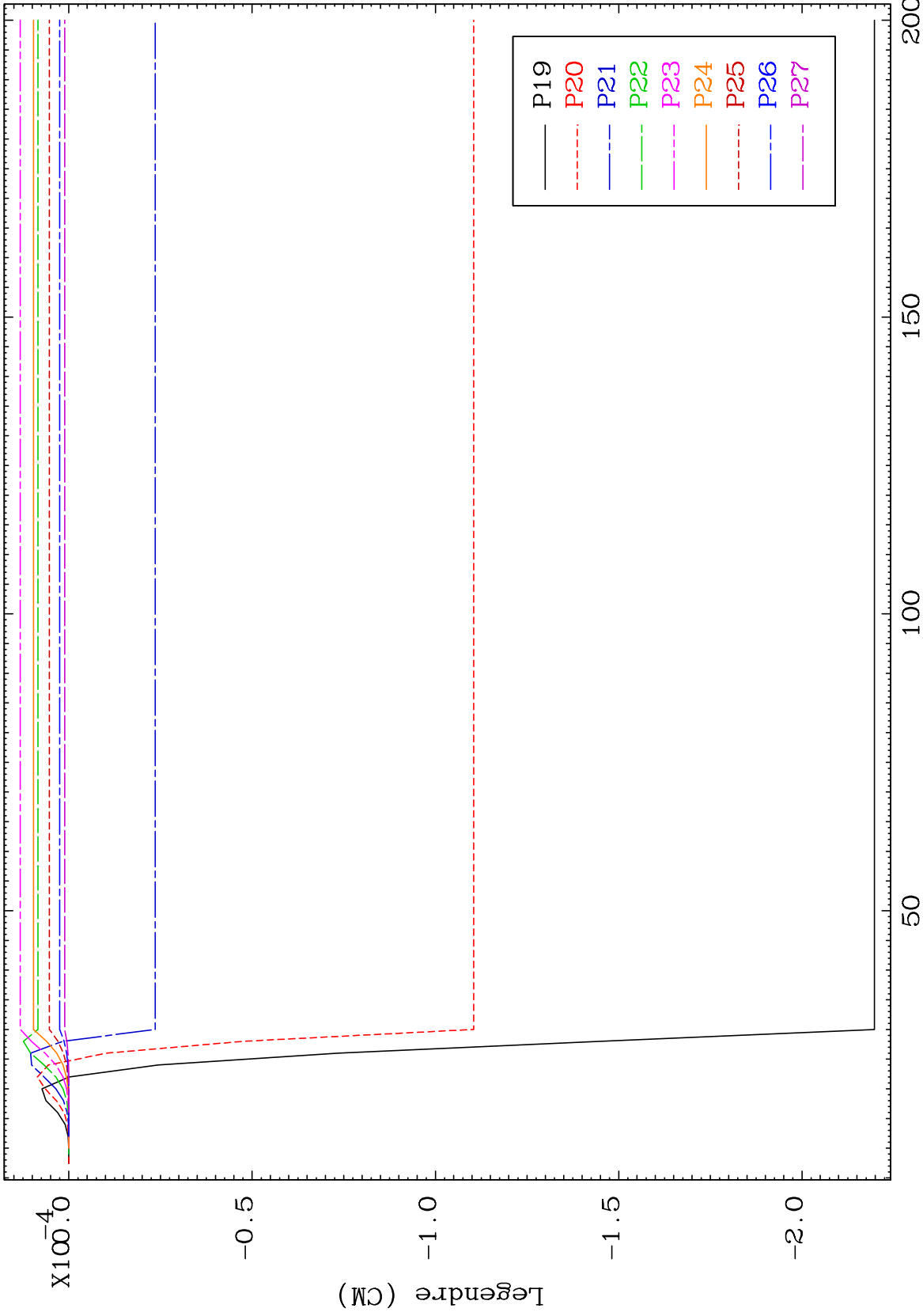
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



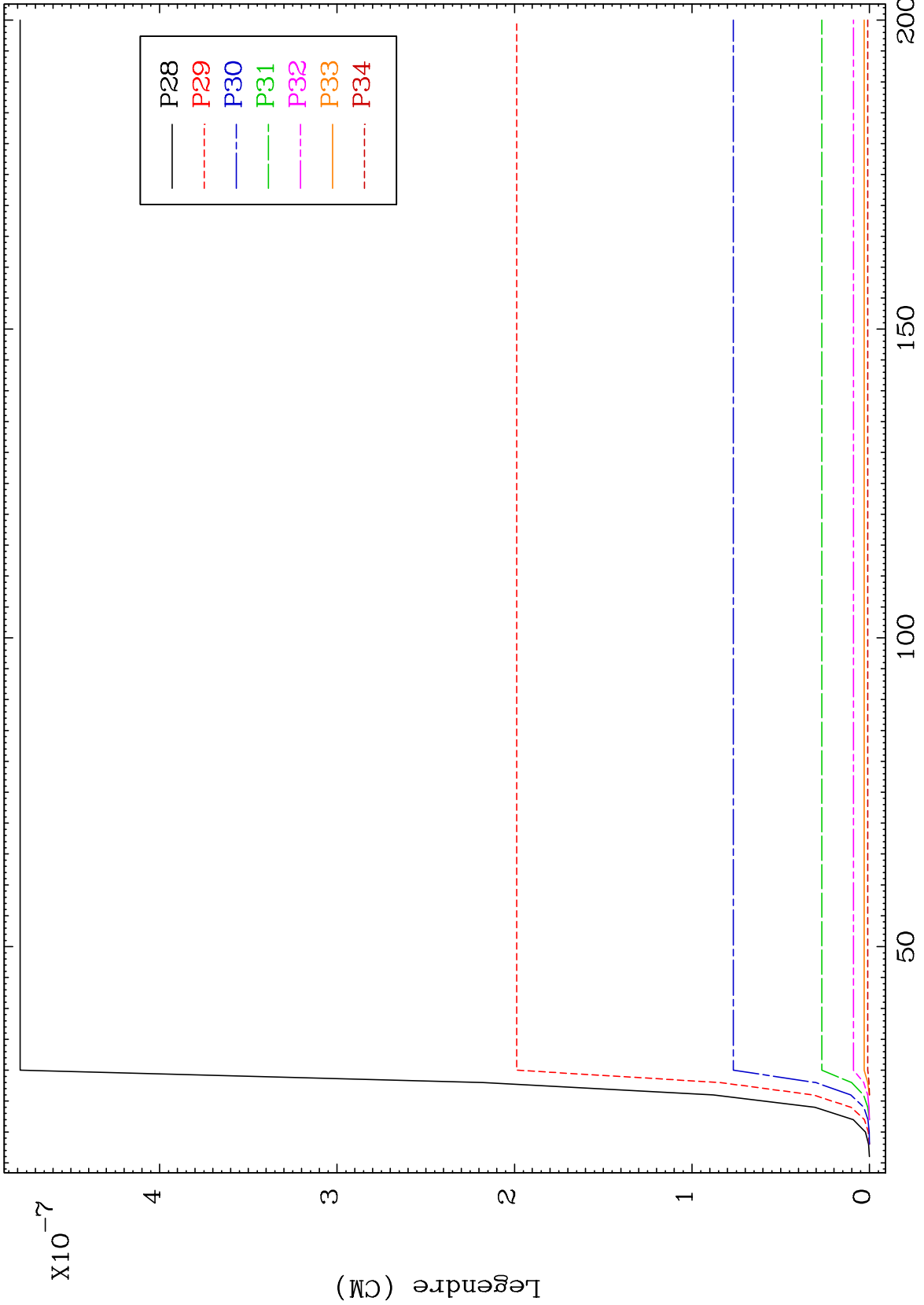
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57-La-125

MAT 5686

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

57-La-125



27

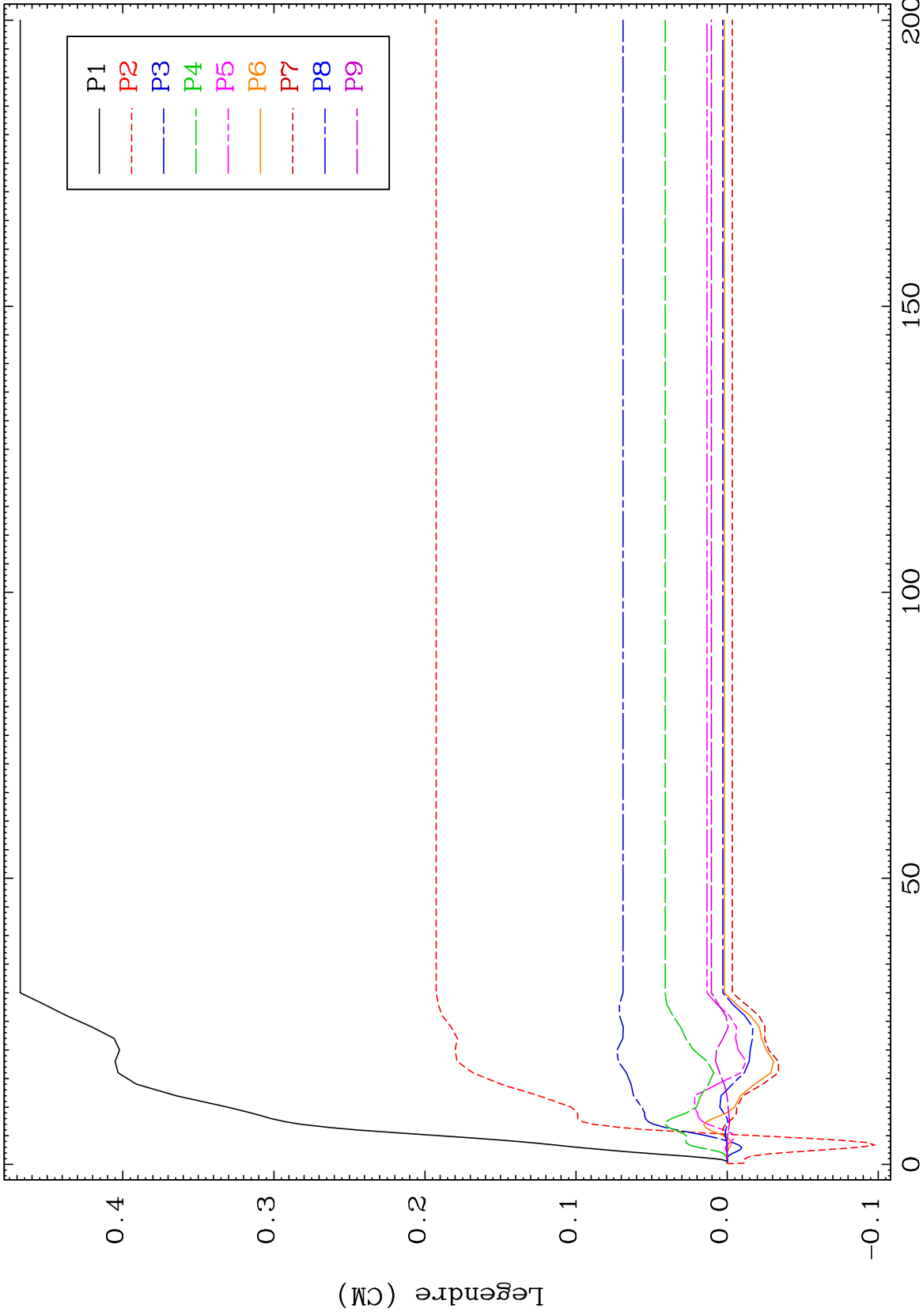
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



28

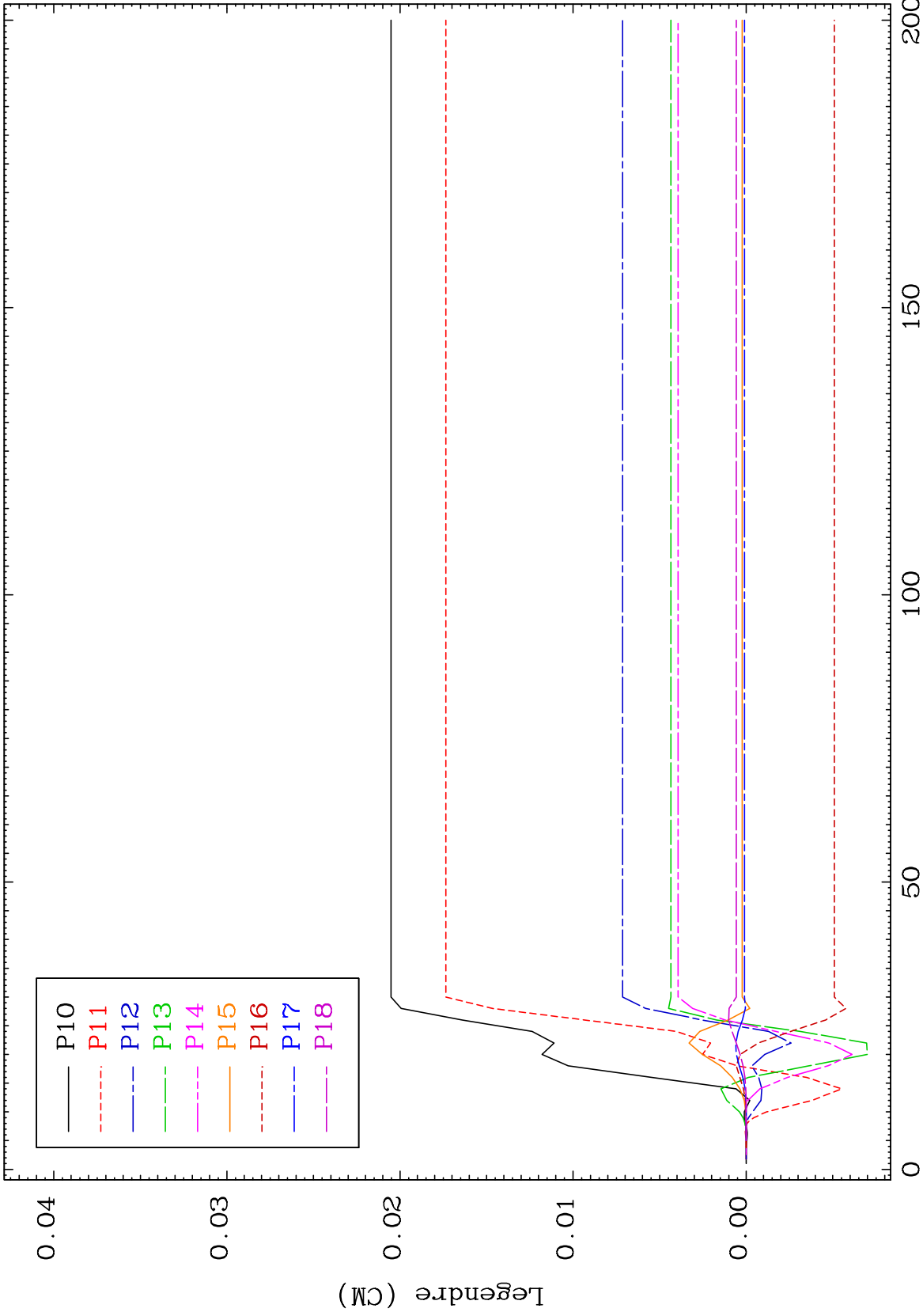
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



29

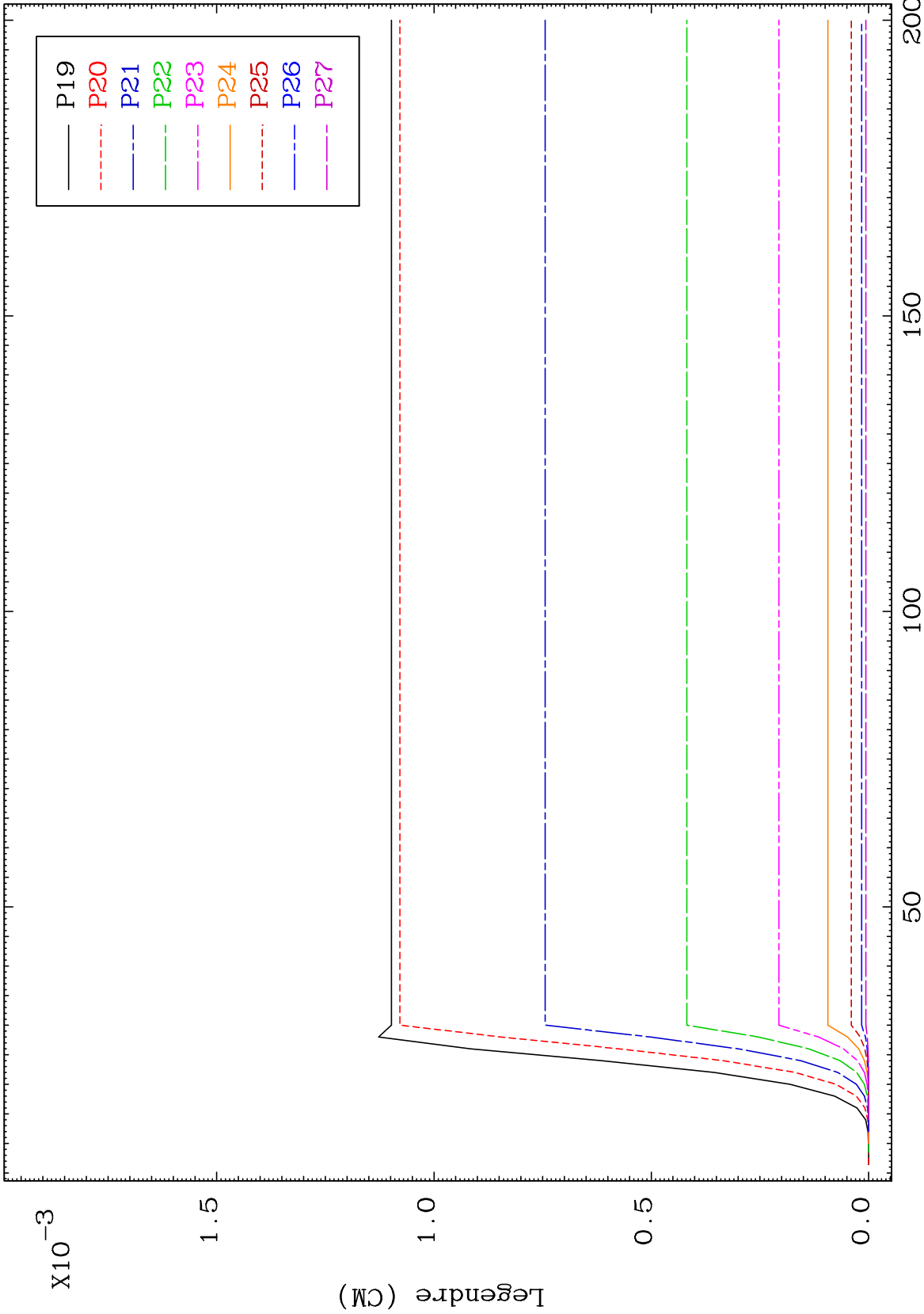
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



30

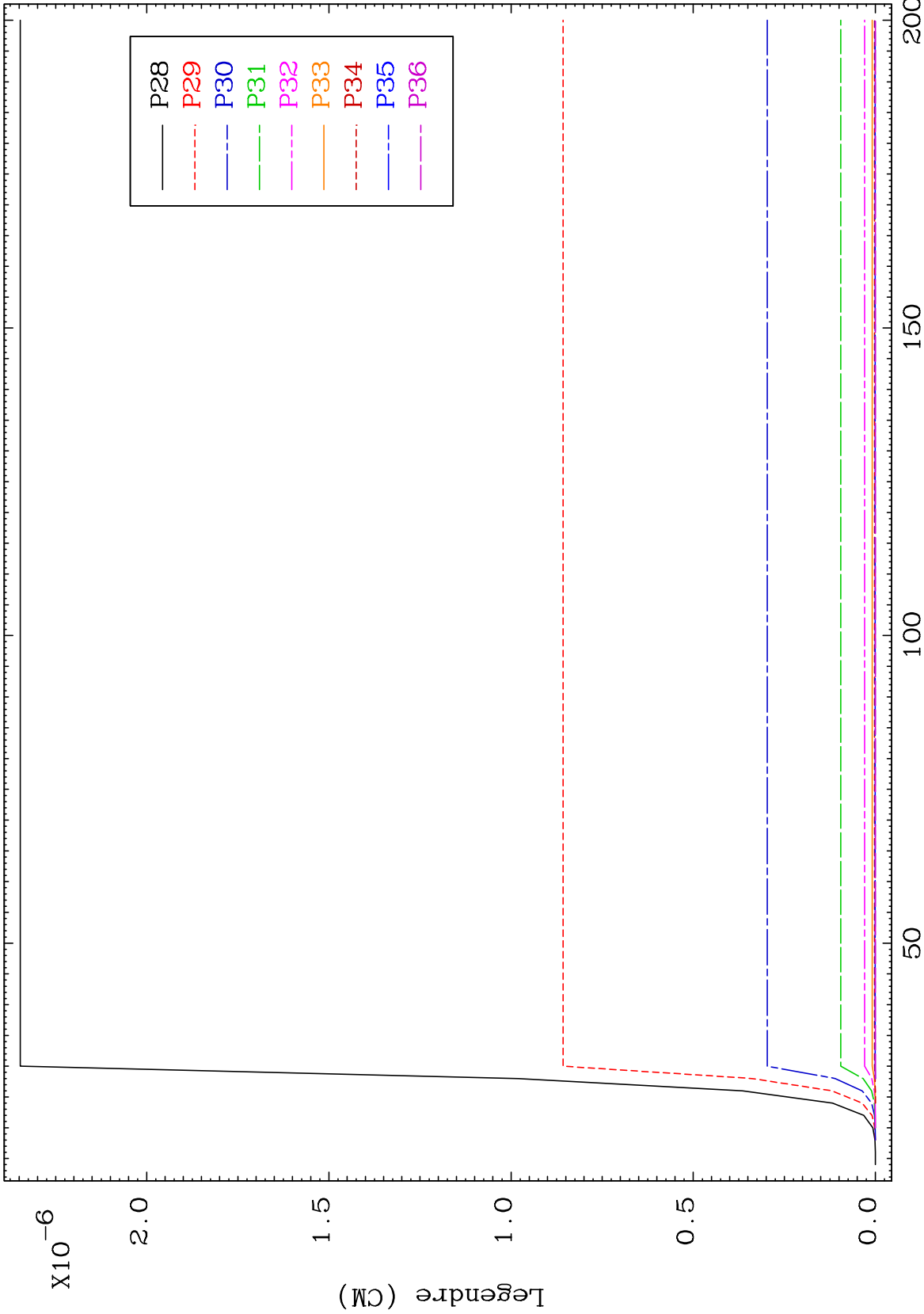
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



31

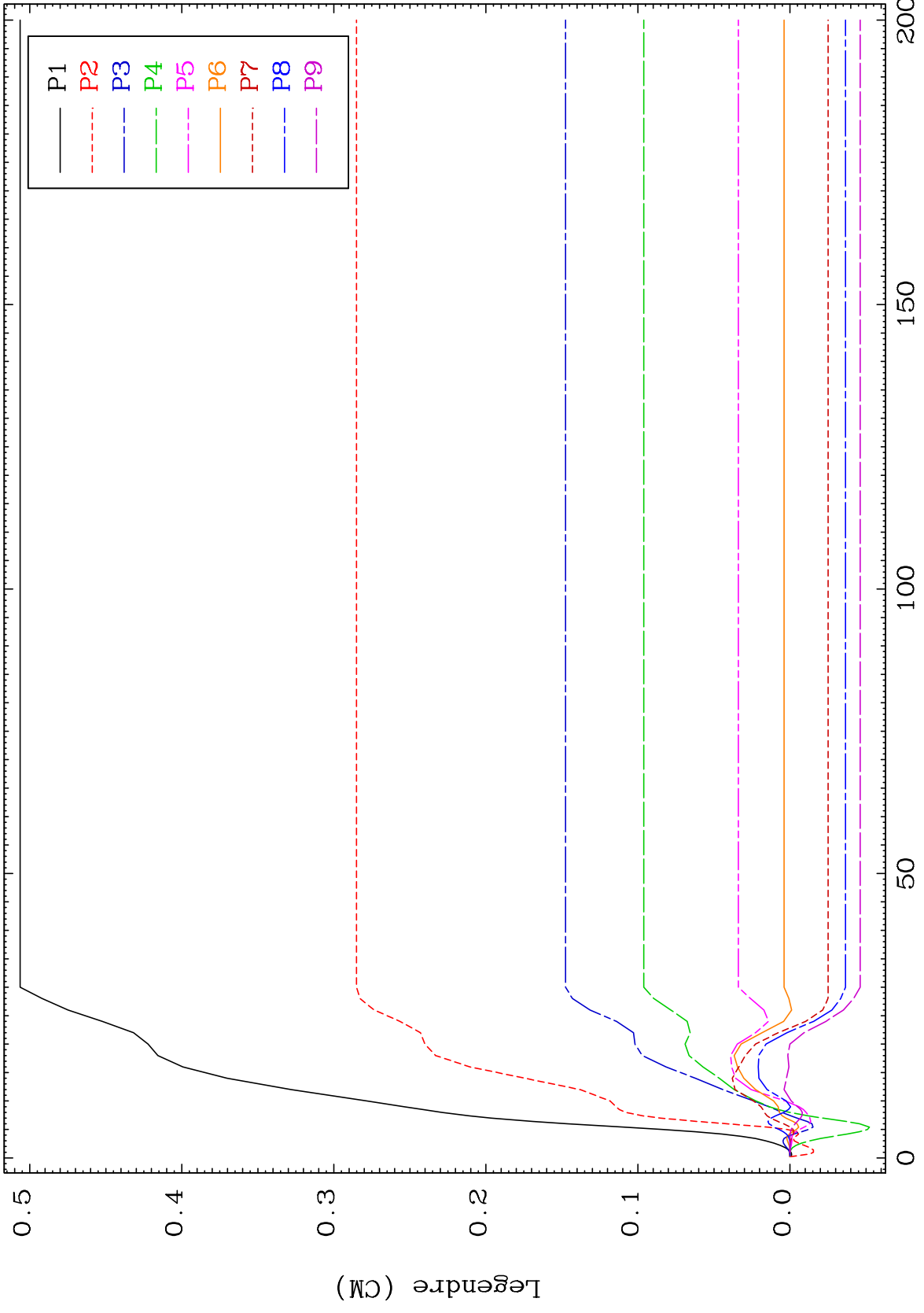
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



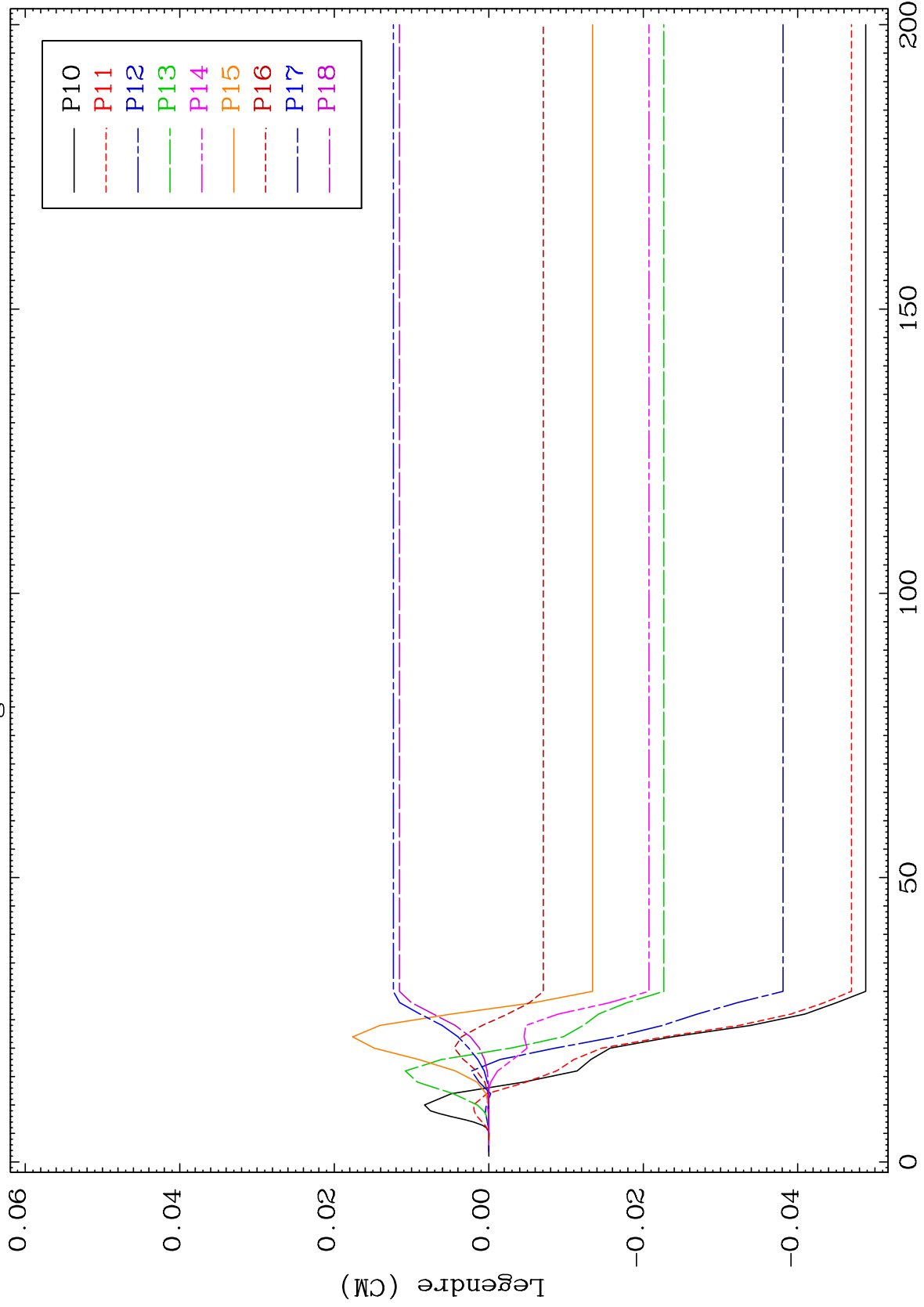
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57-La-125

MAT 5686

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

57-La-125



33

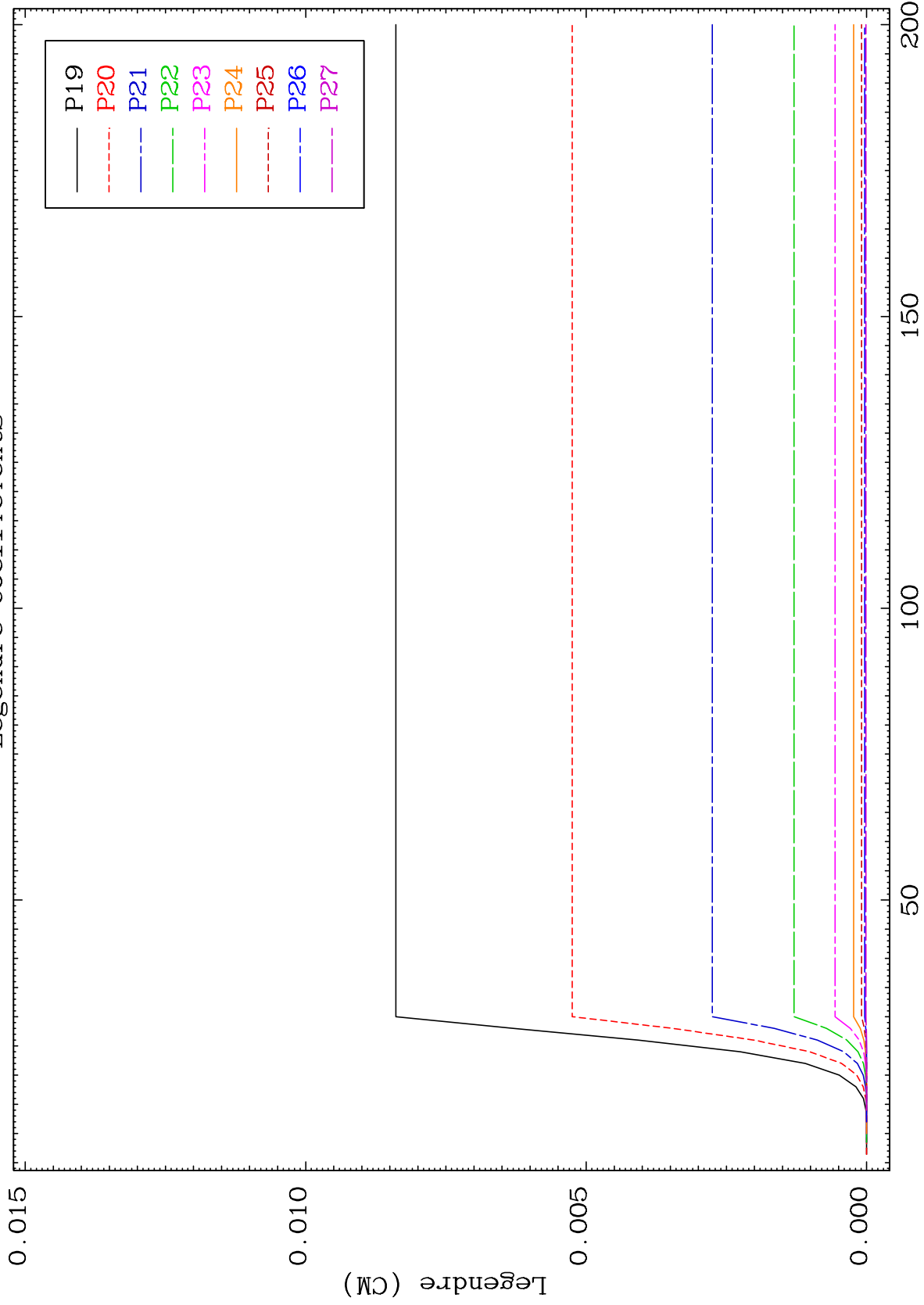
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



34

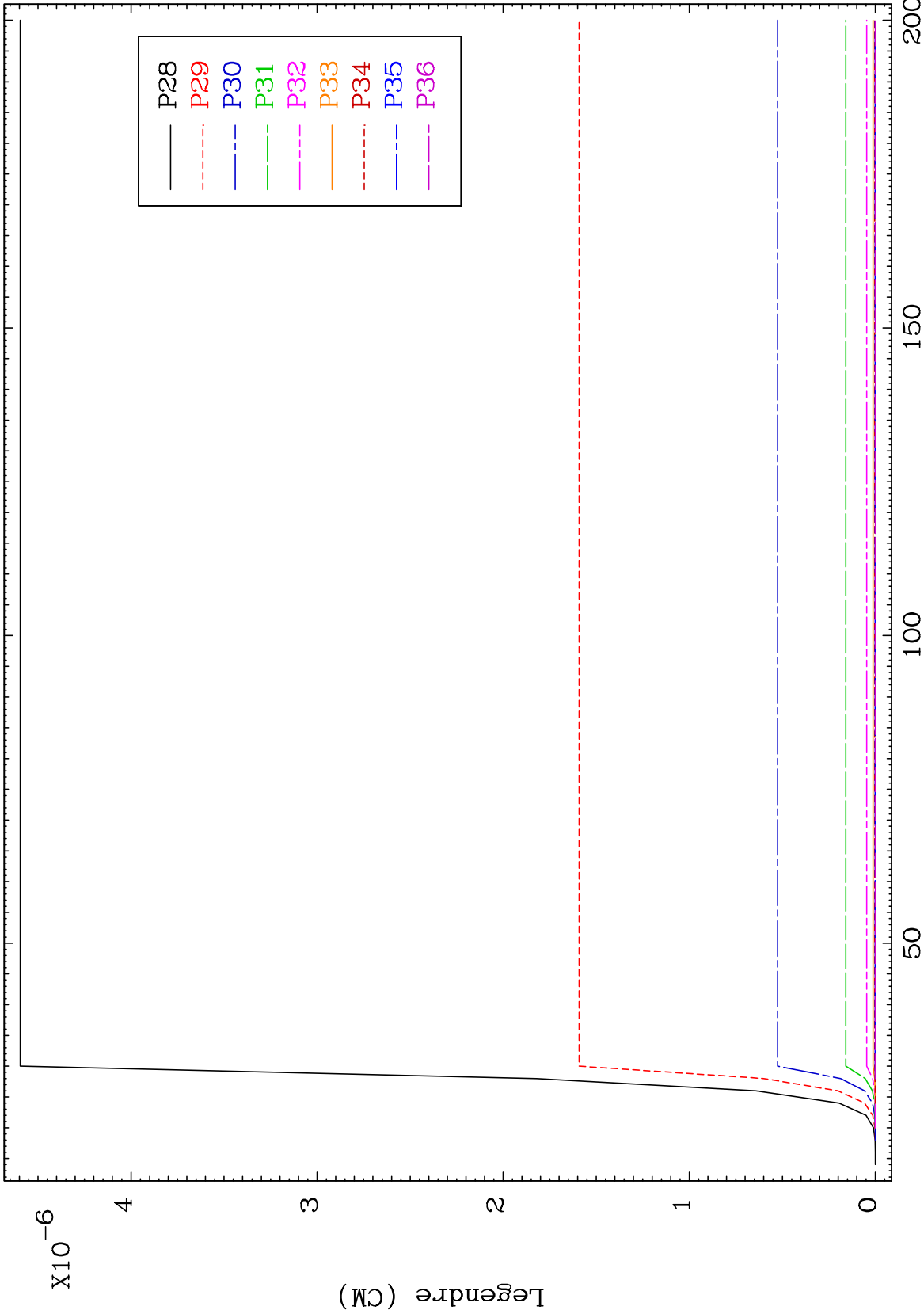
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



35

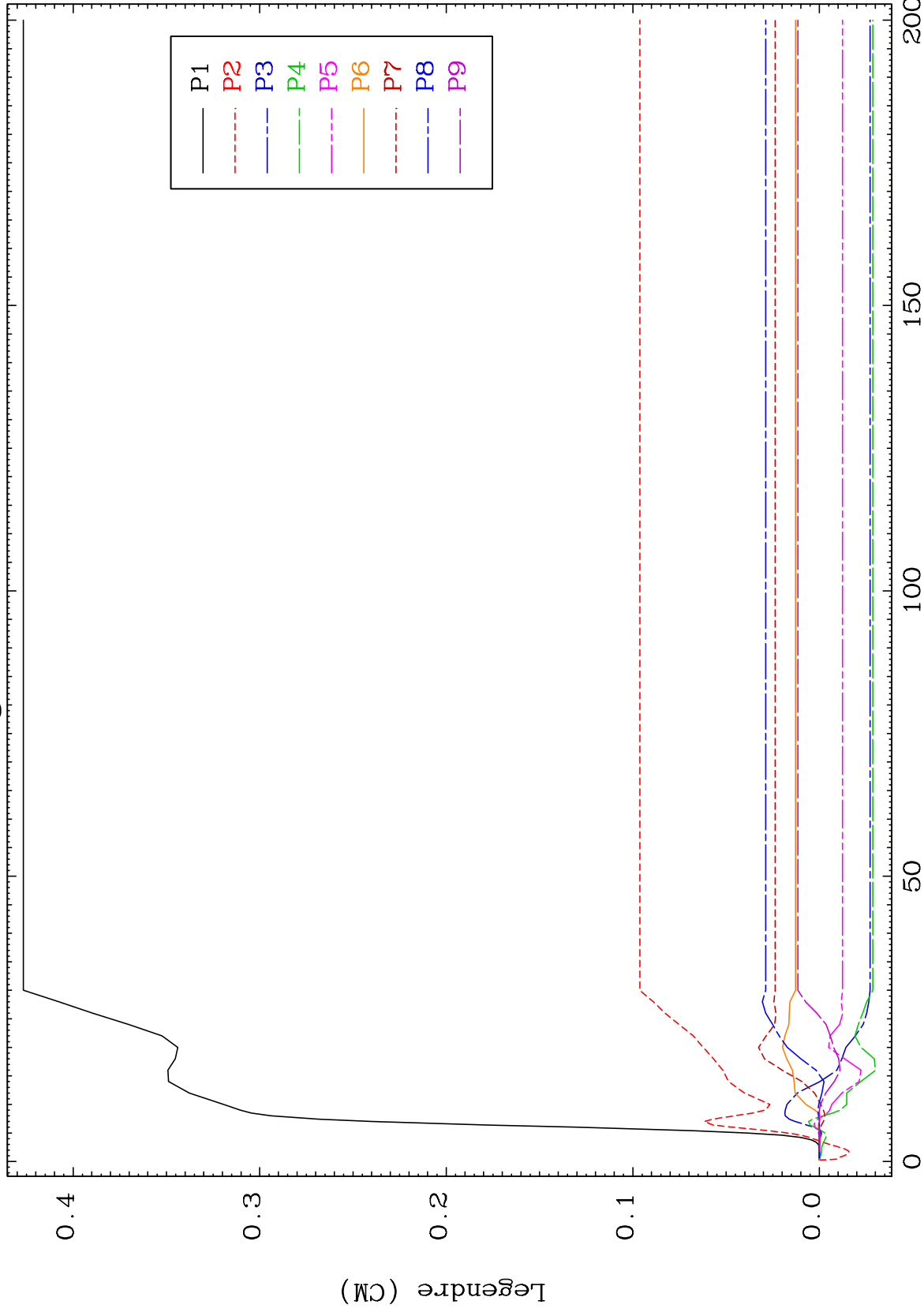
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



36

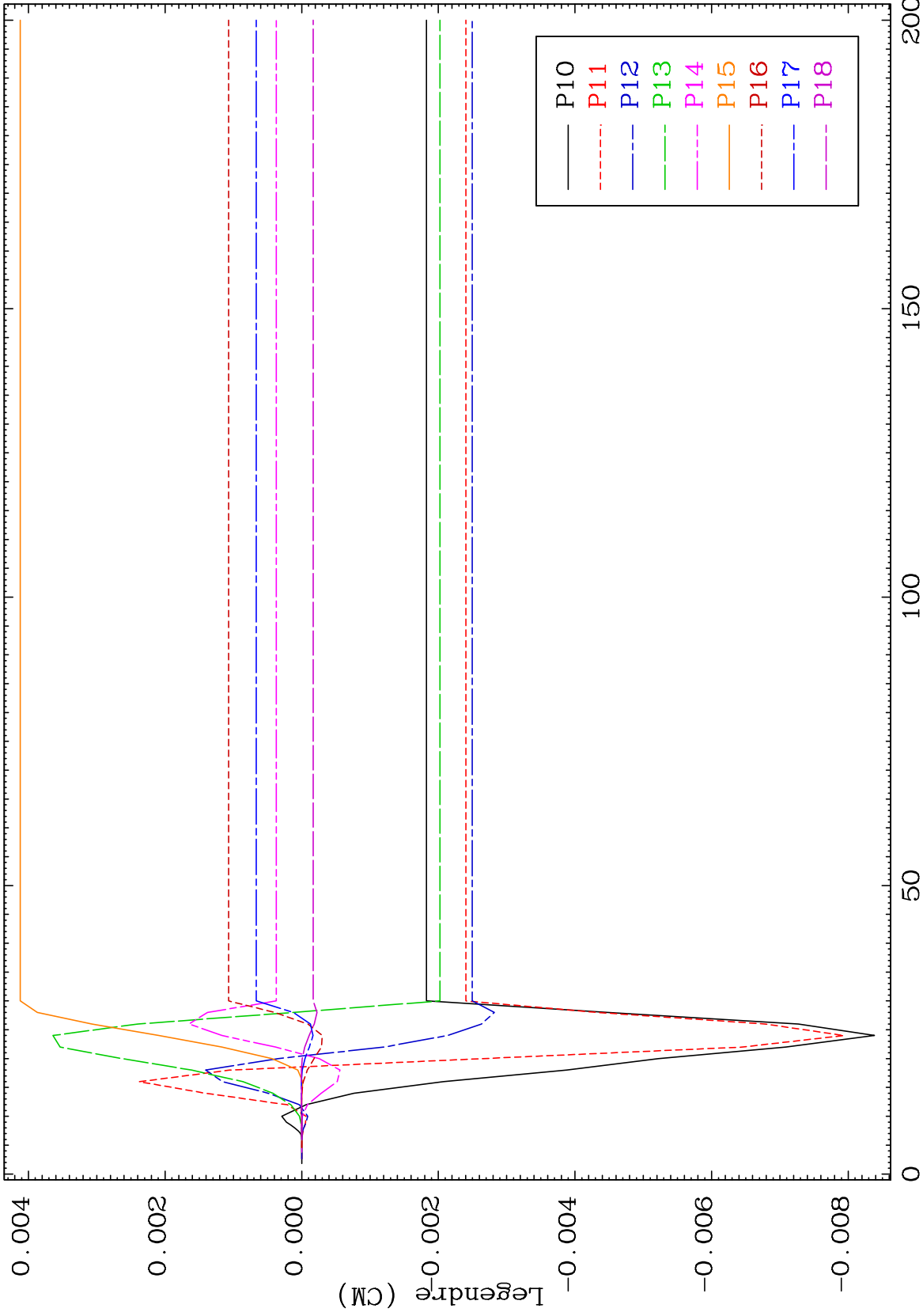
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



37

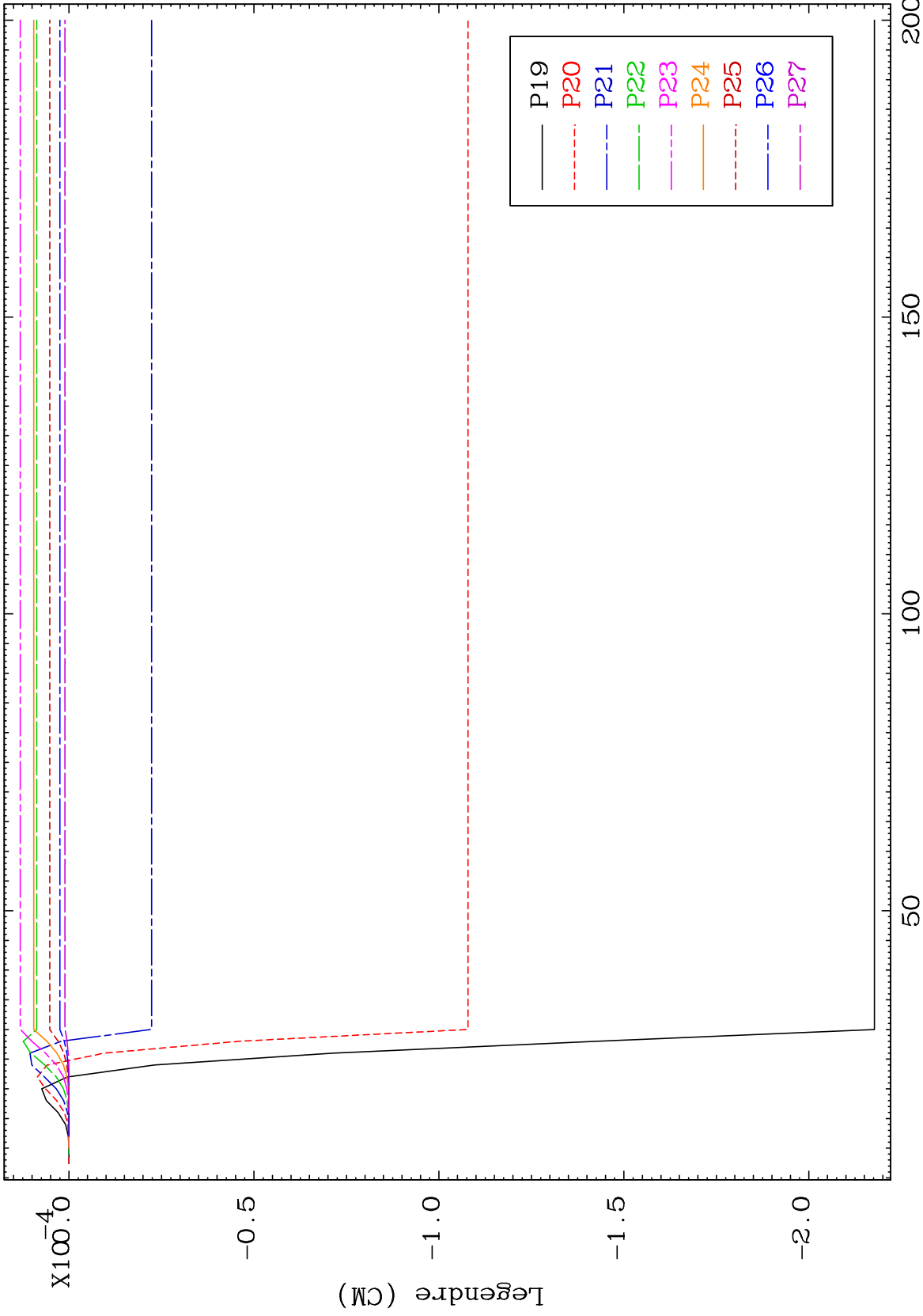
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



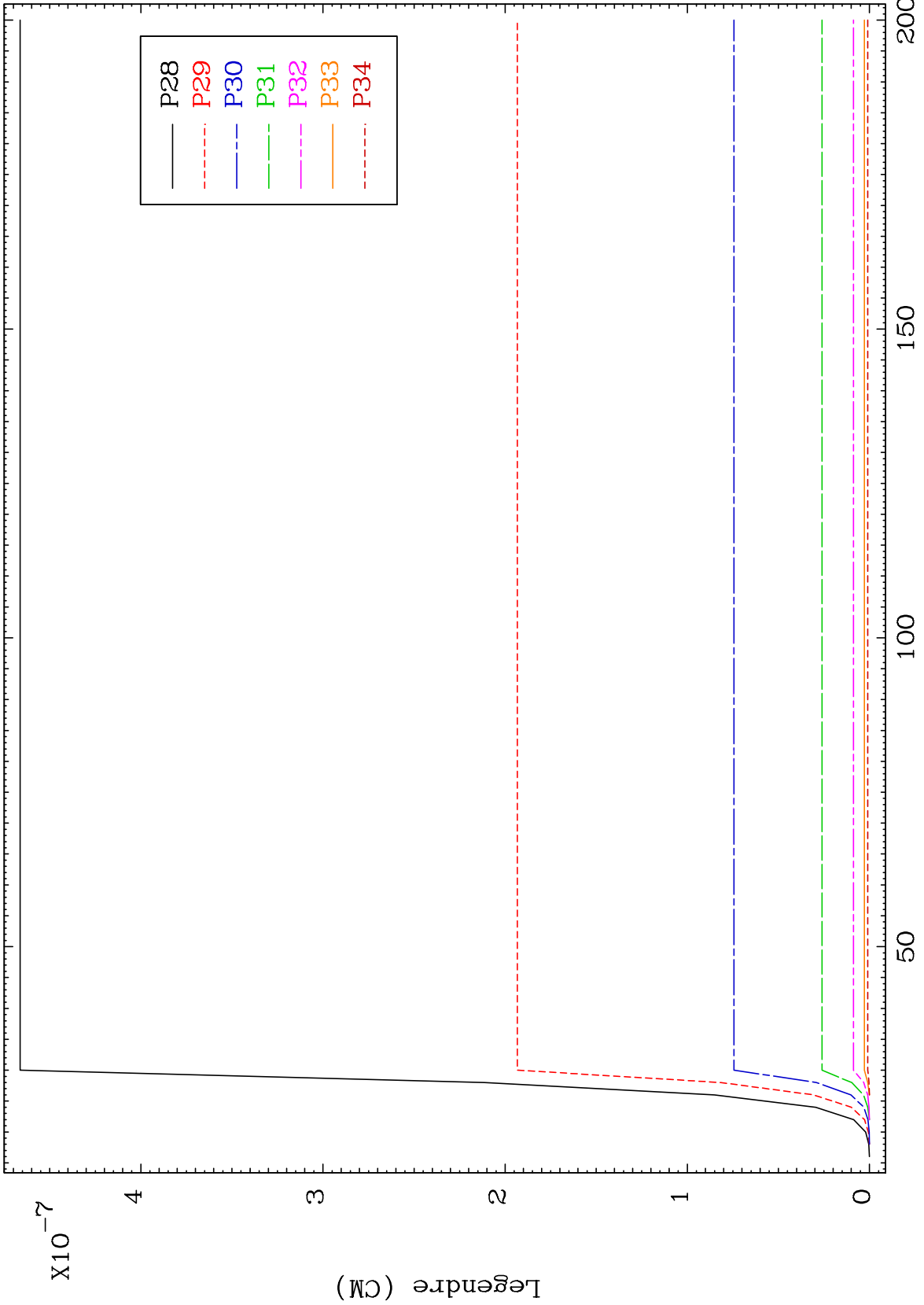
38

57-La-125

MAT 5686

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

57-La-125



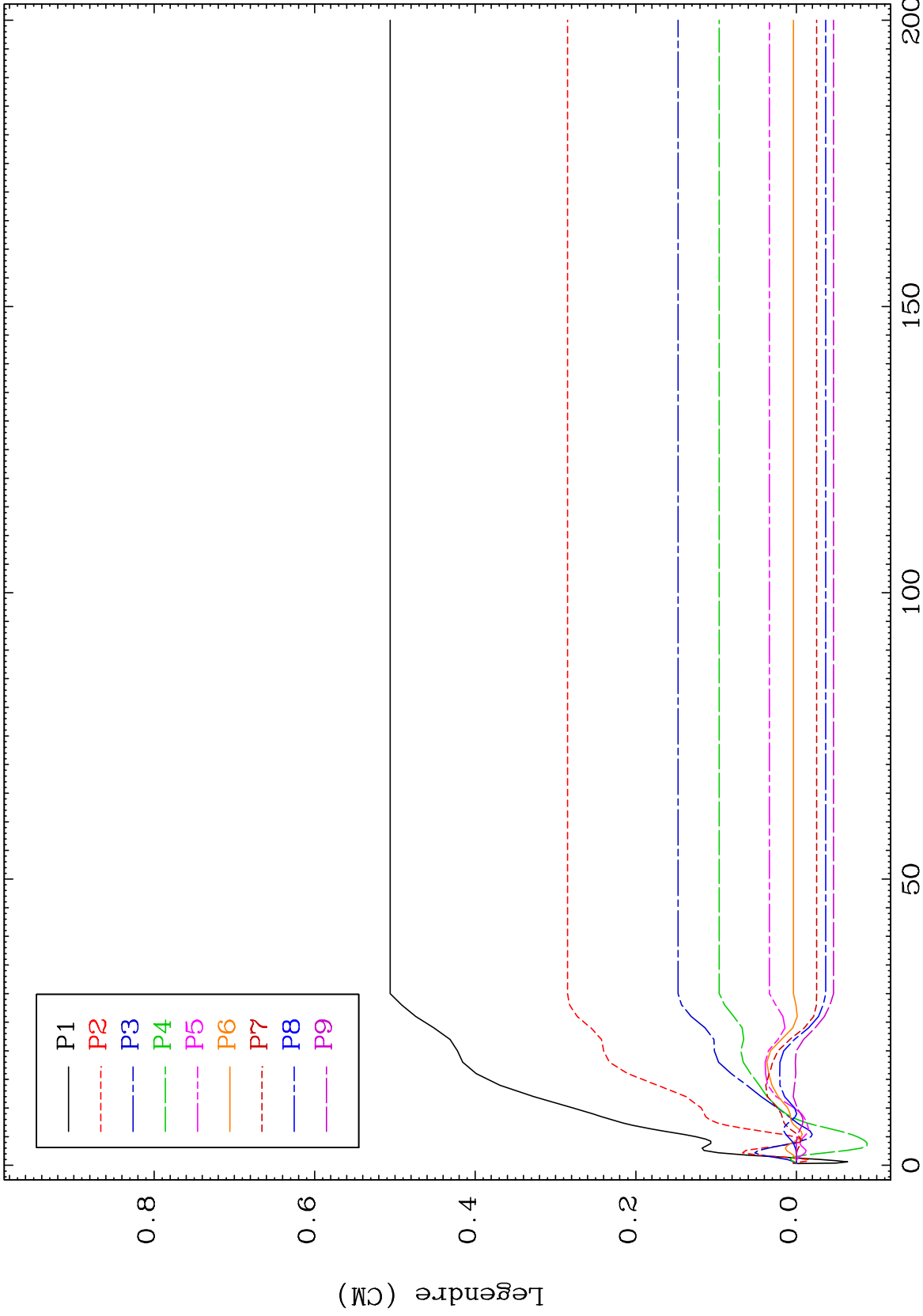
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57-La-125

MAT 5686

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

57-La-125



40

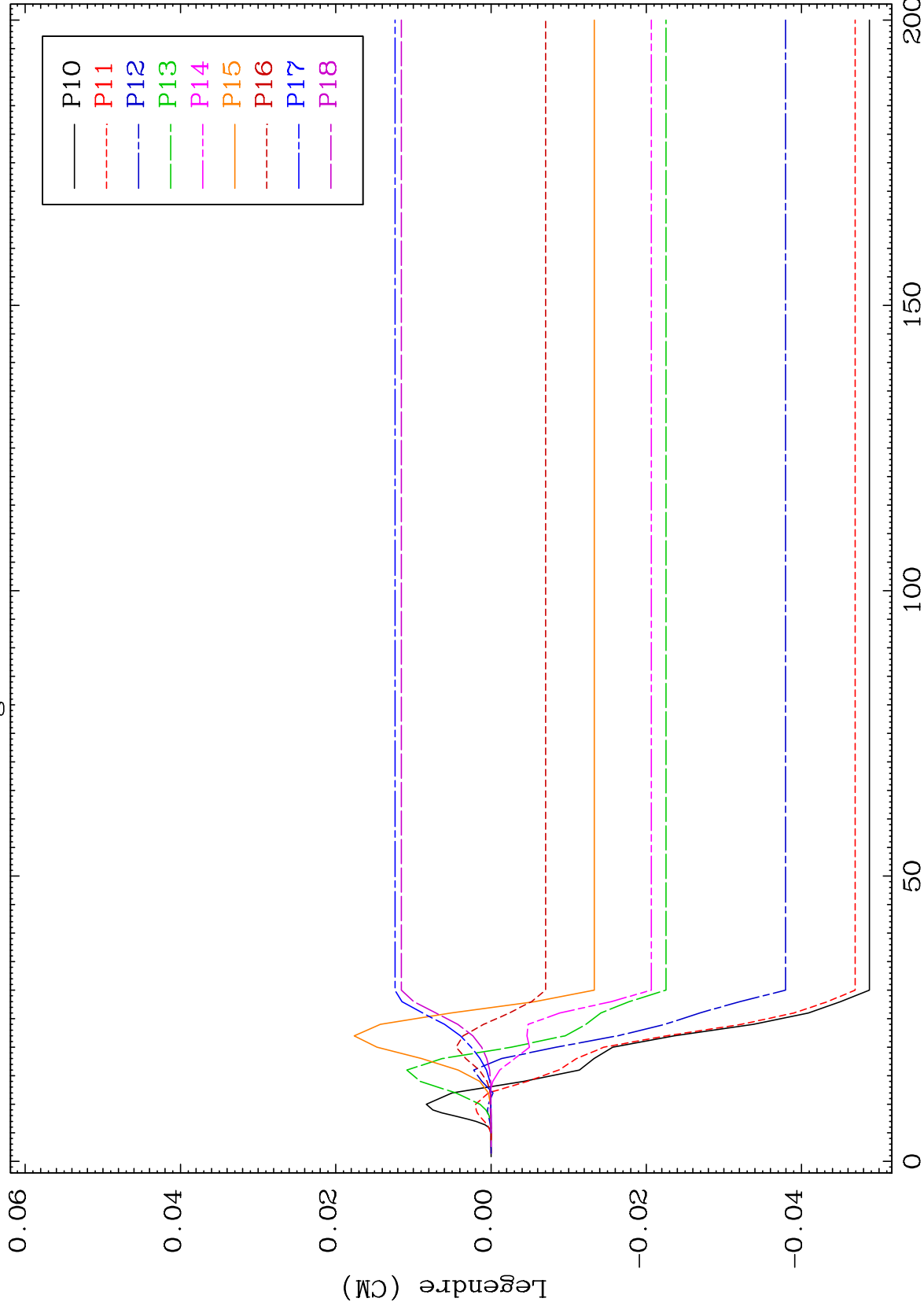
Incident Energy (MeV)

57-La-125

MAT 5686

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

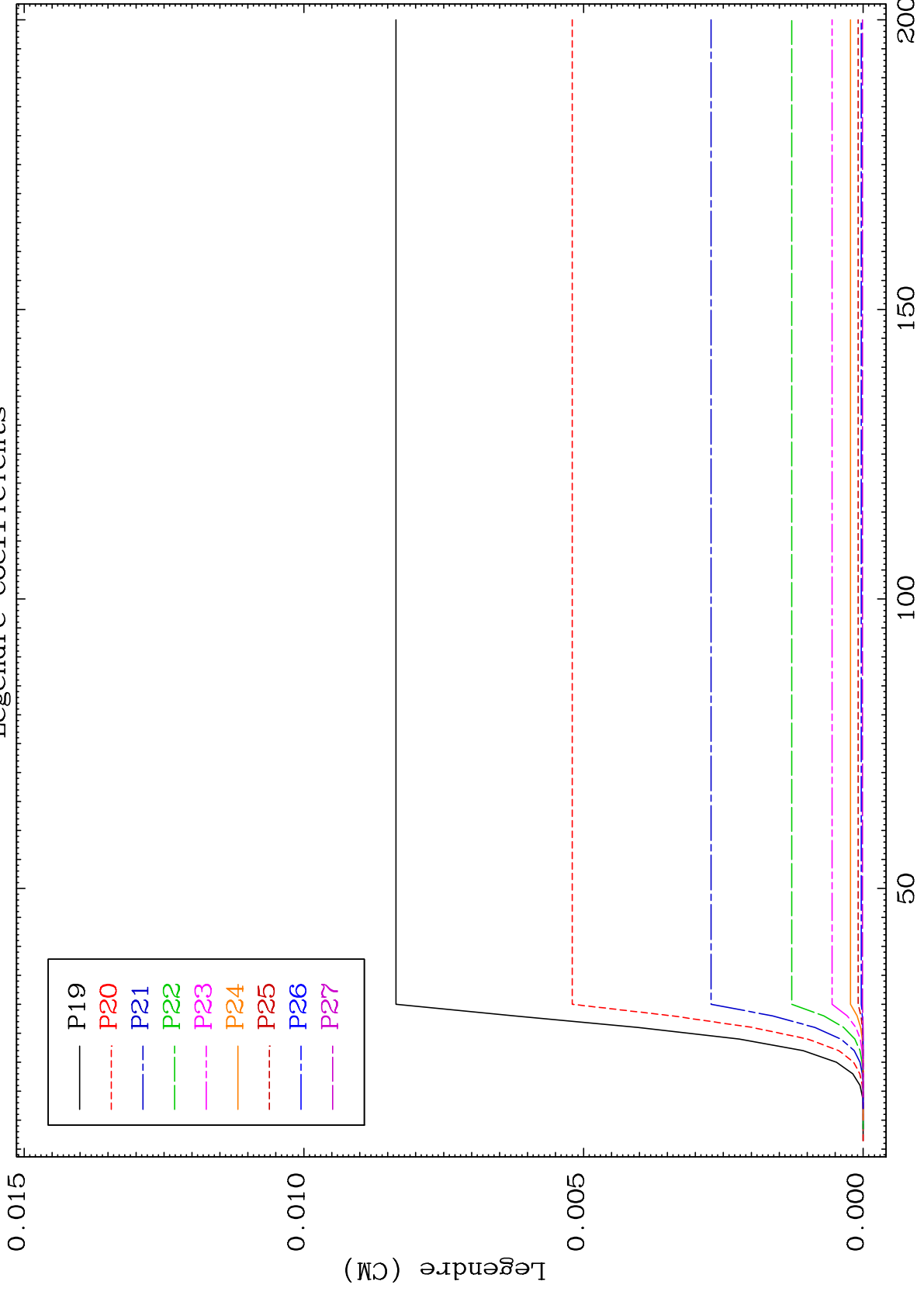
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MAT 5686

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

57-La-125



42

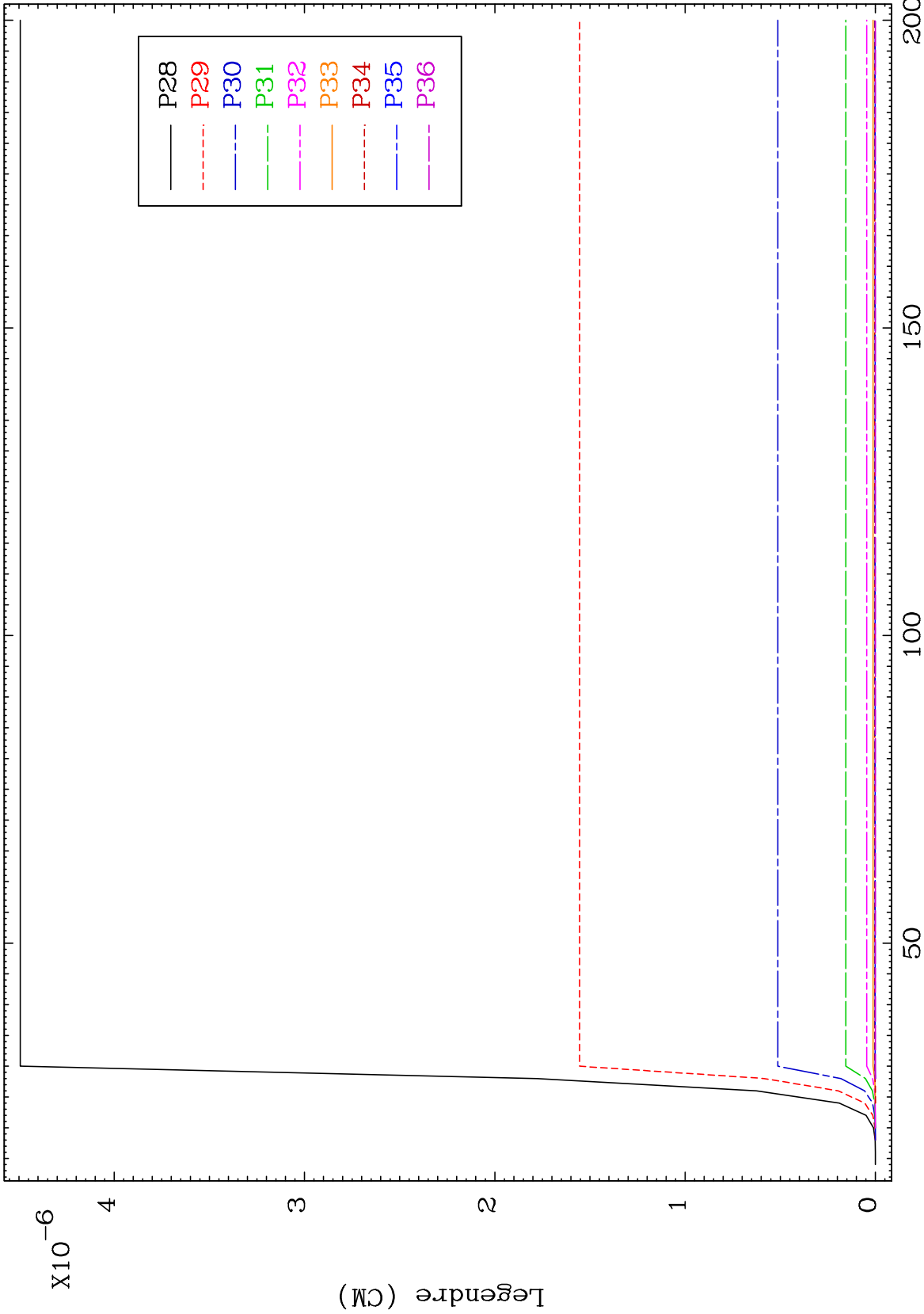
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



43

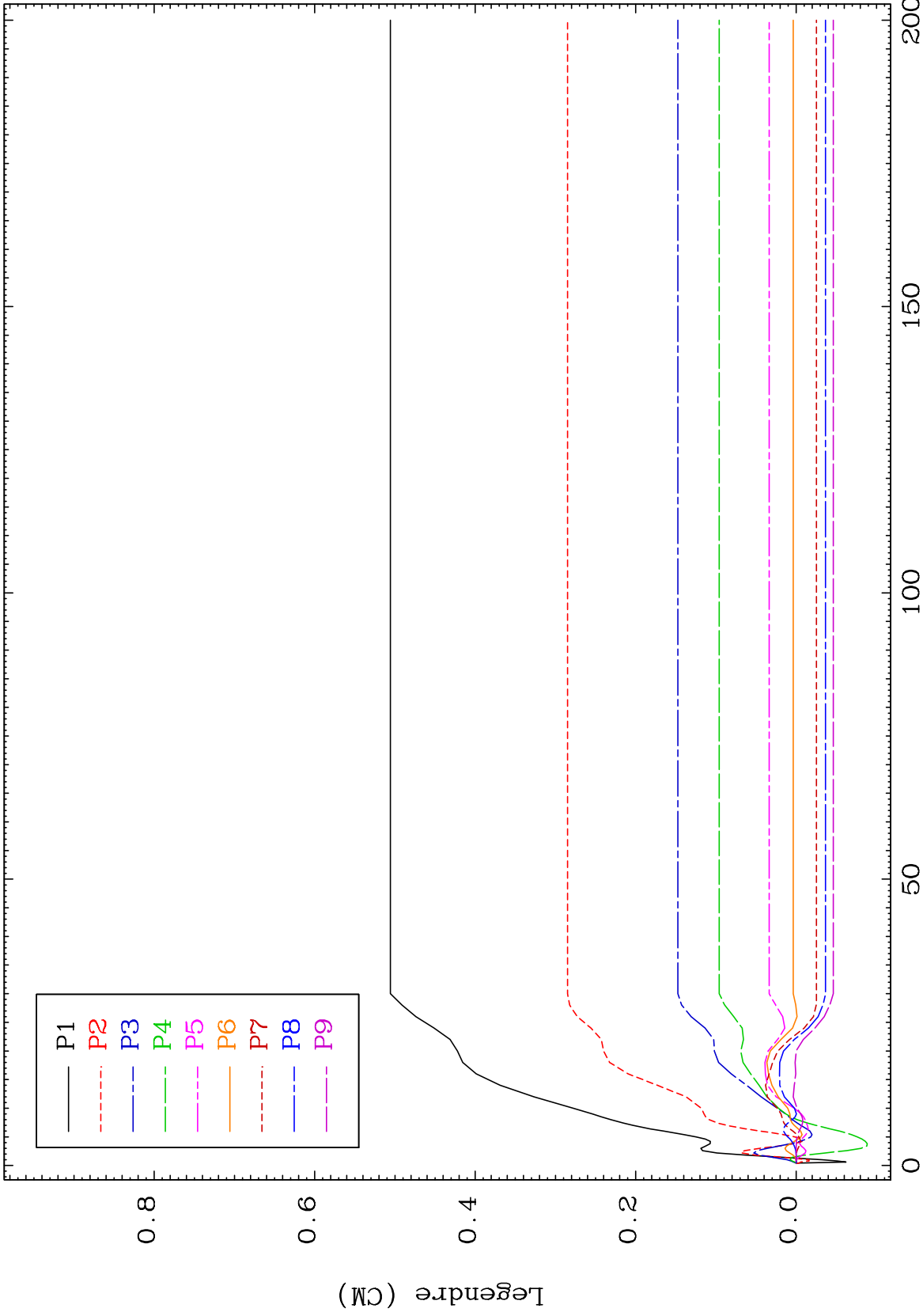
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



44

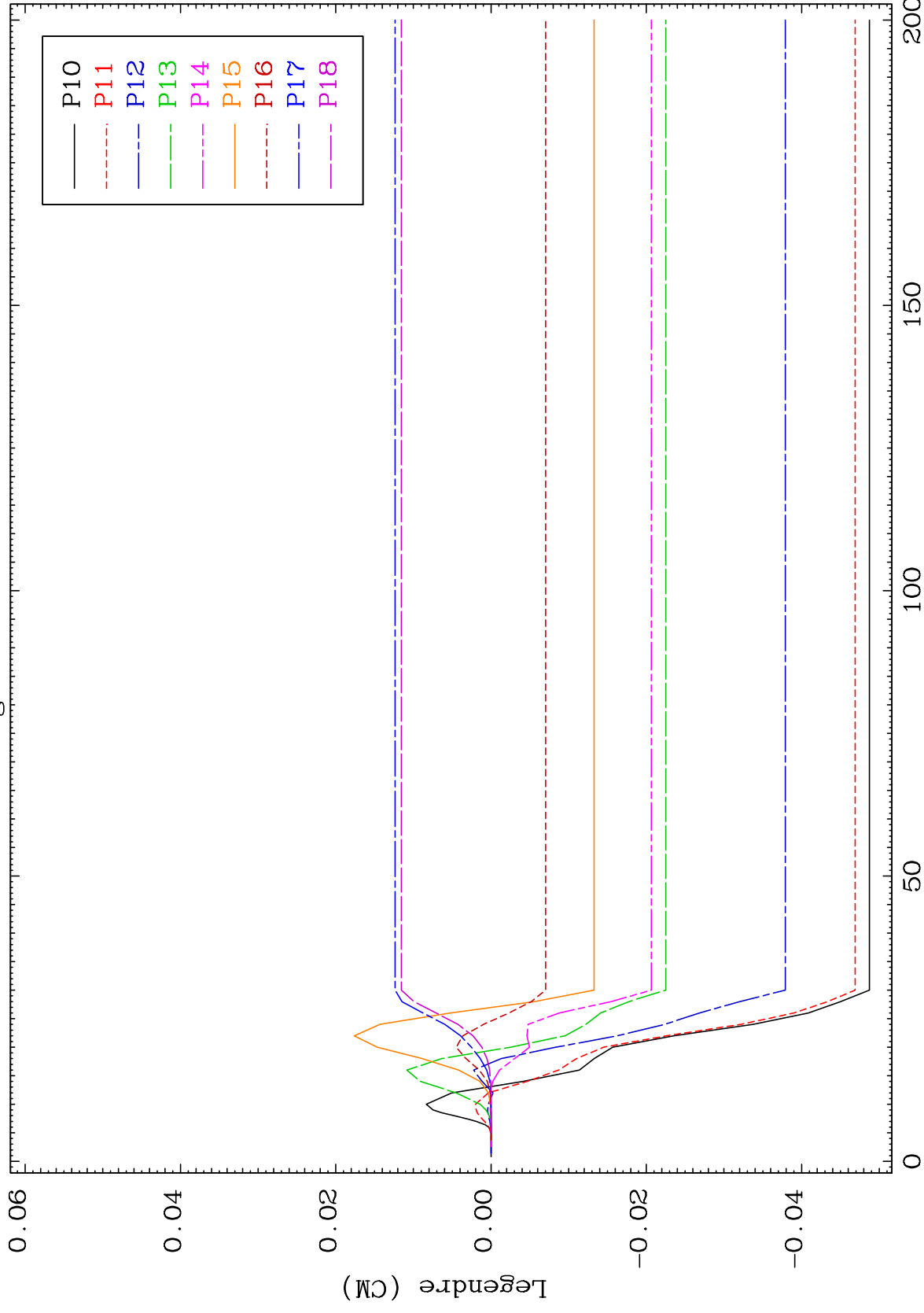
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



45

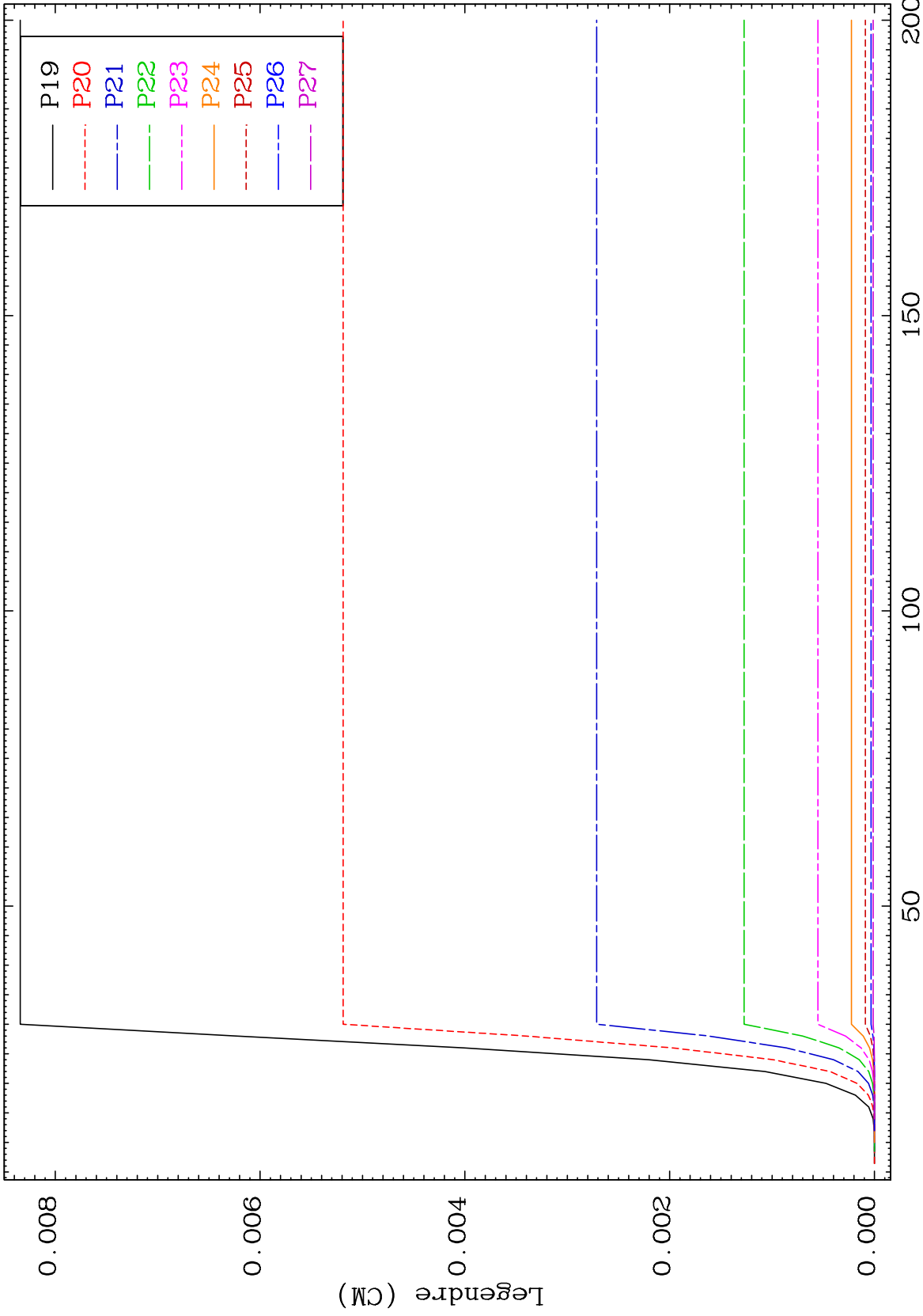
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



46

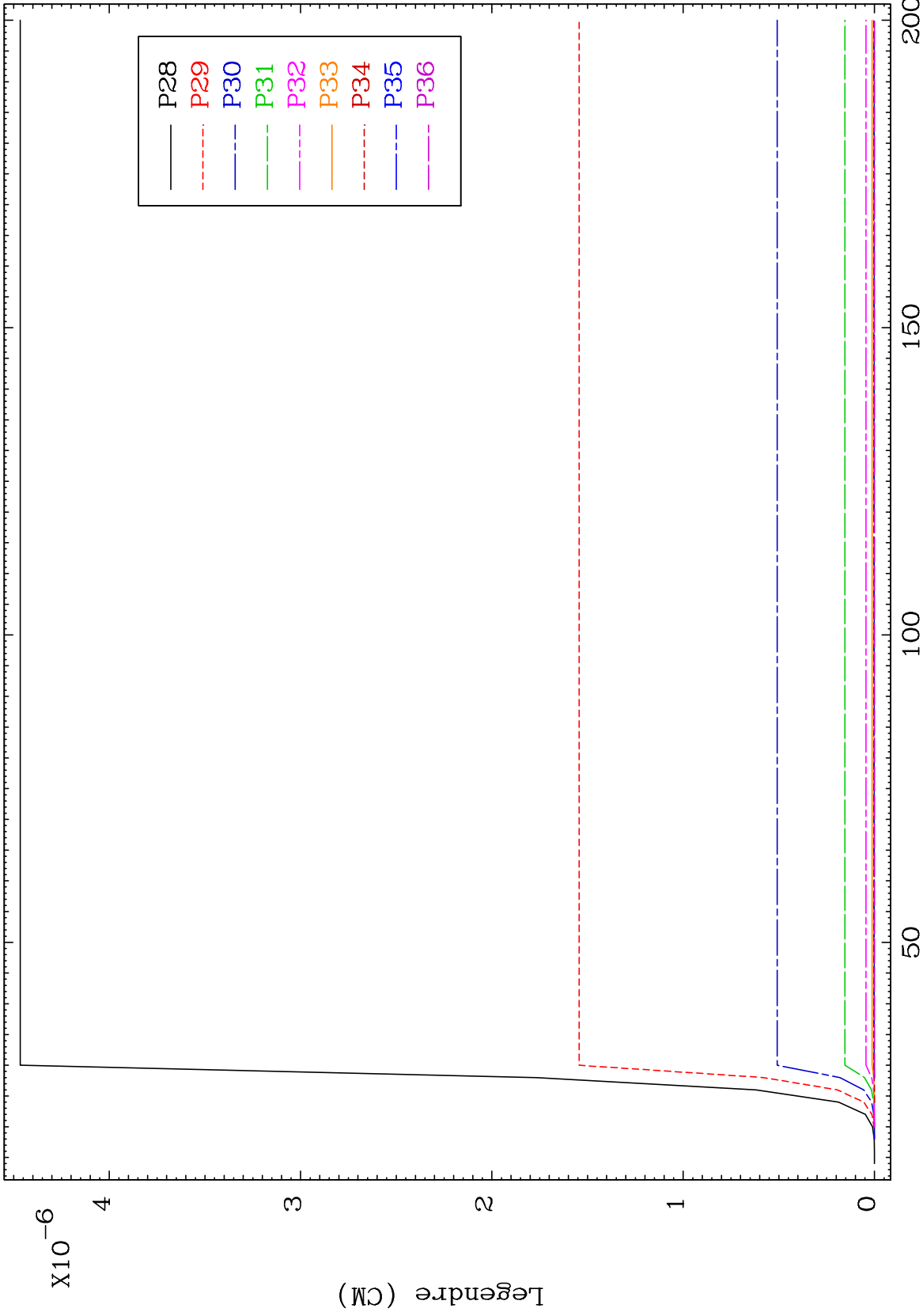
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



47

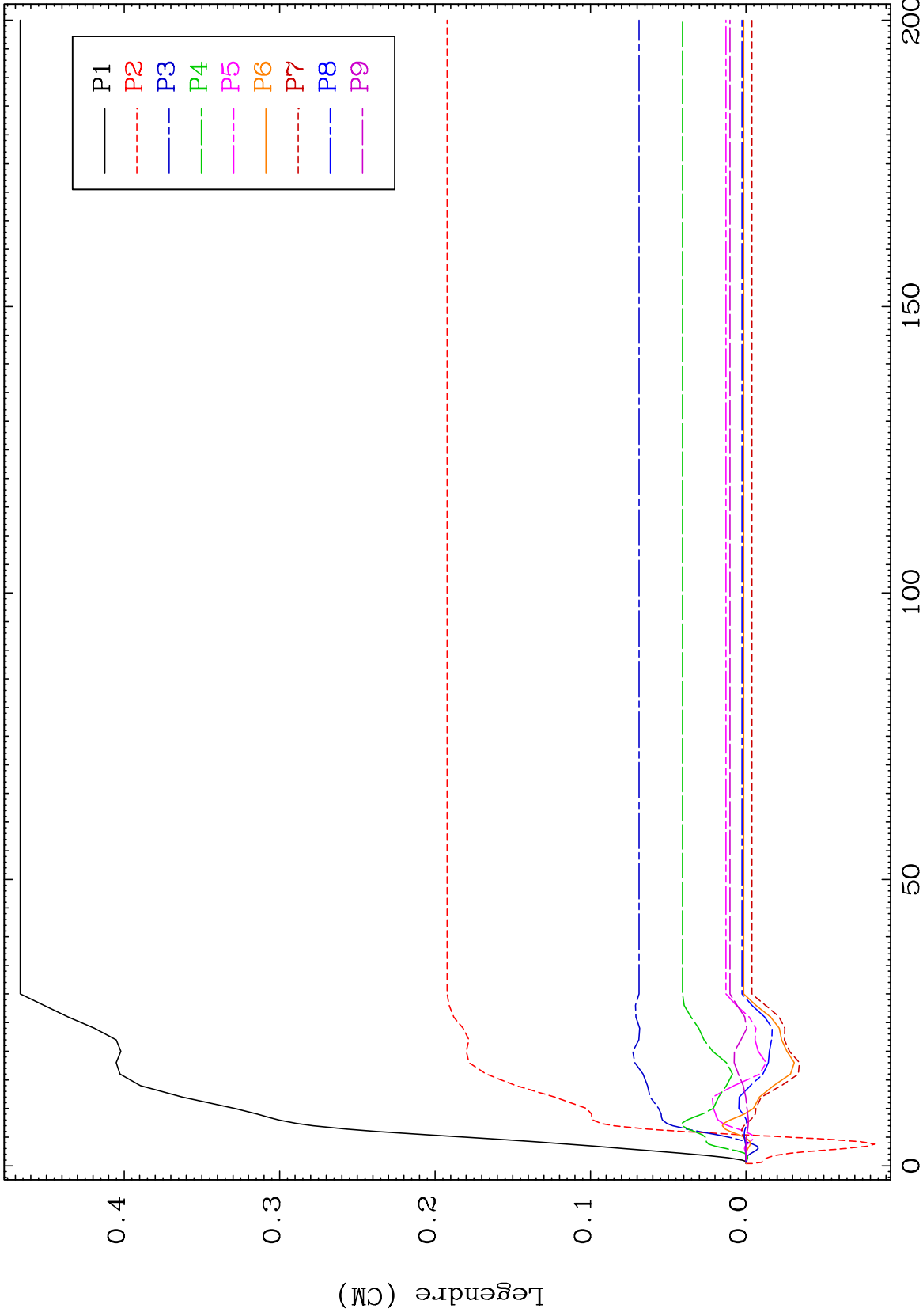
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



48

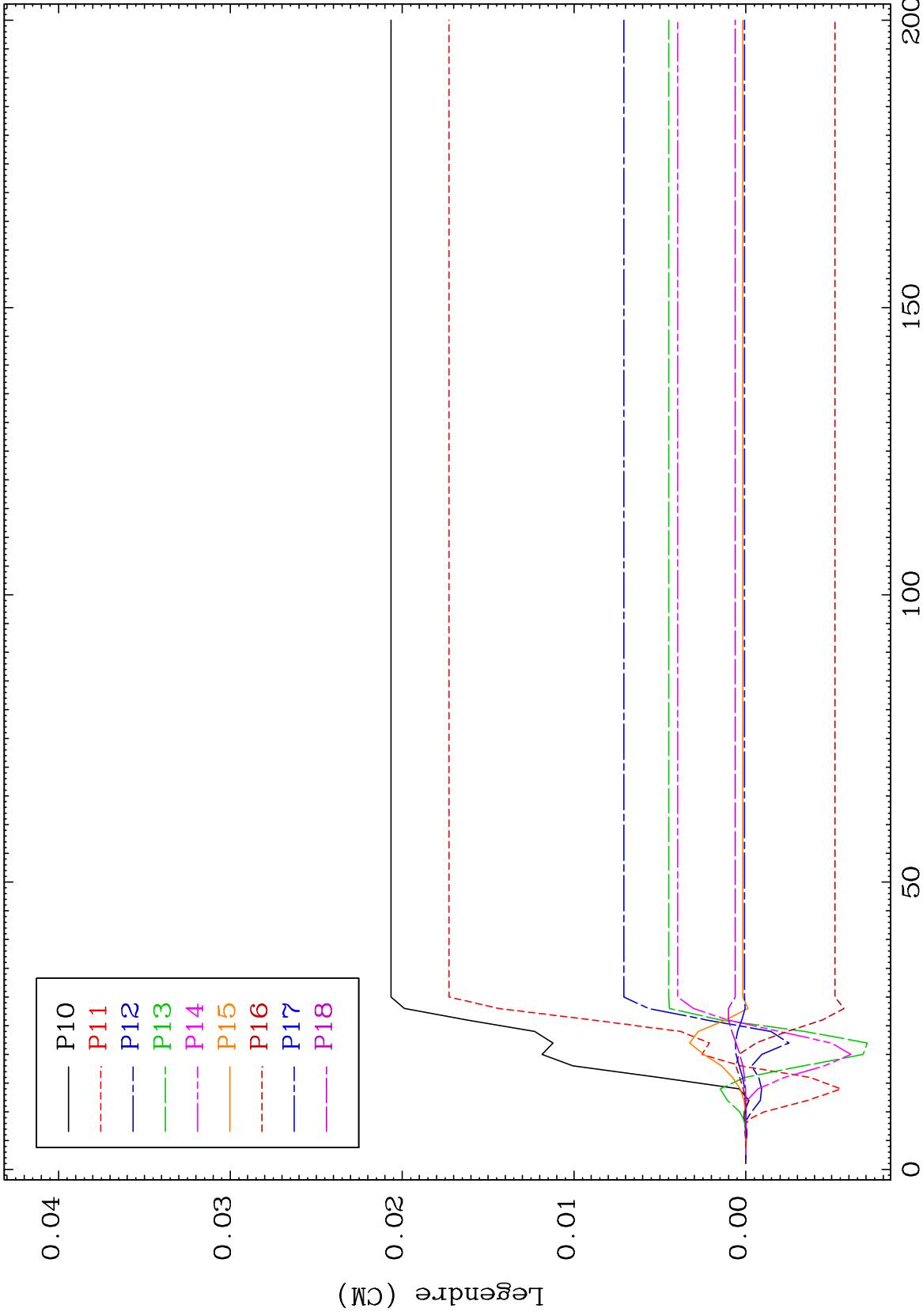
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125

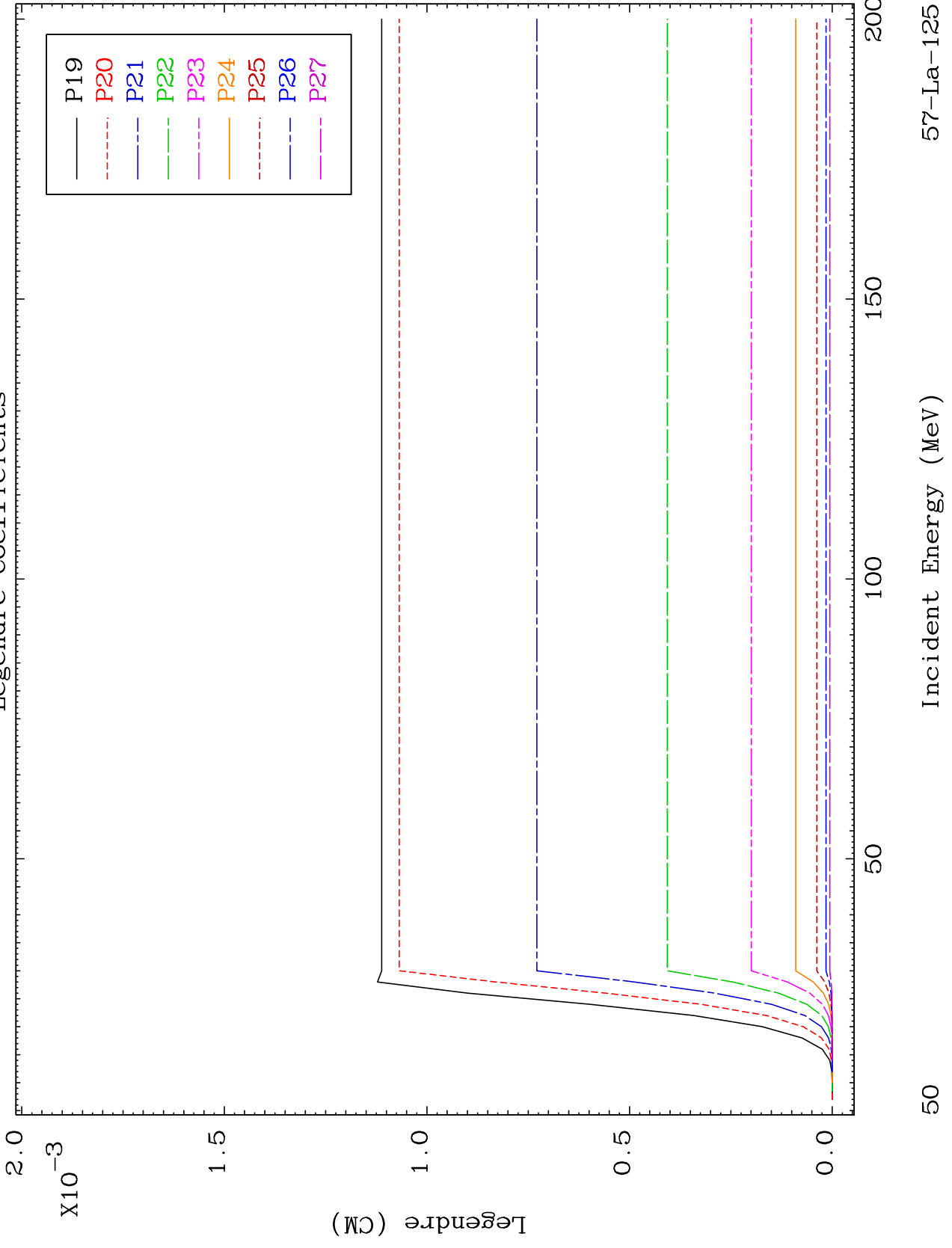


49

Incident Energy (MeV)

57-La-125

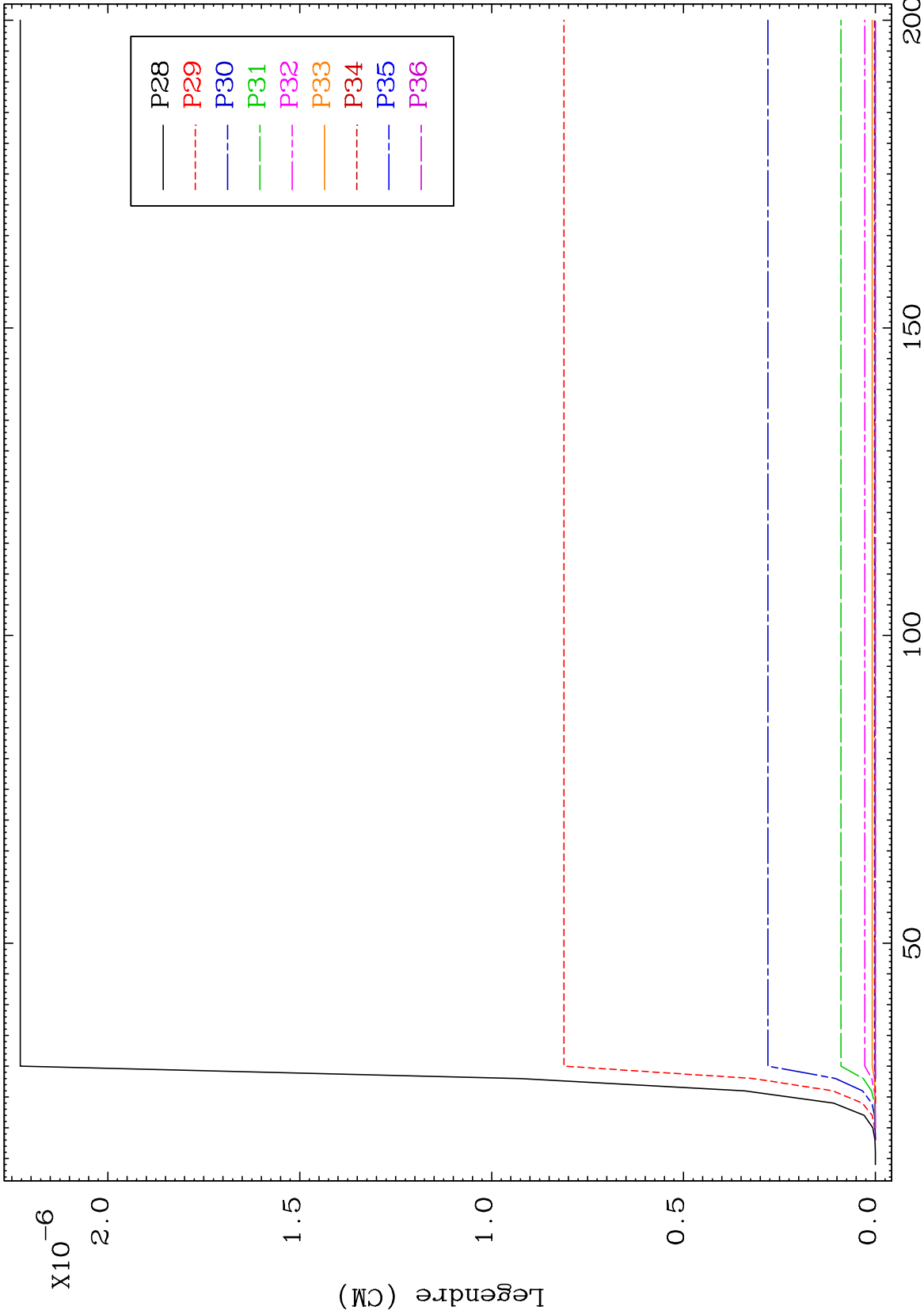
MAT 5686 MT= 58 (n,n') Level Legendre Coefficients 57-La-125



MAT 5686

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

57-La-125



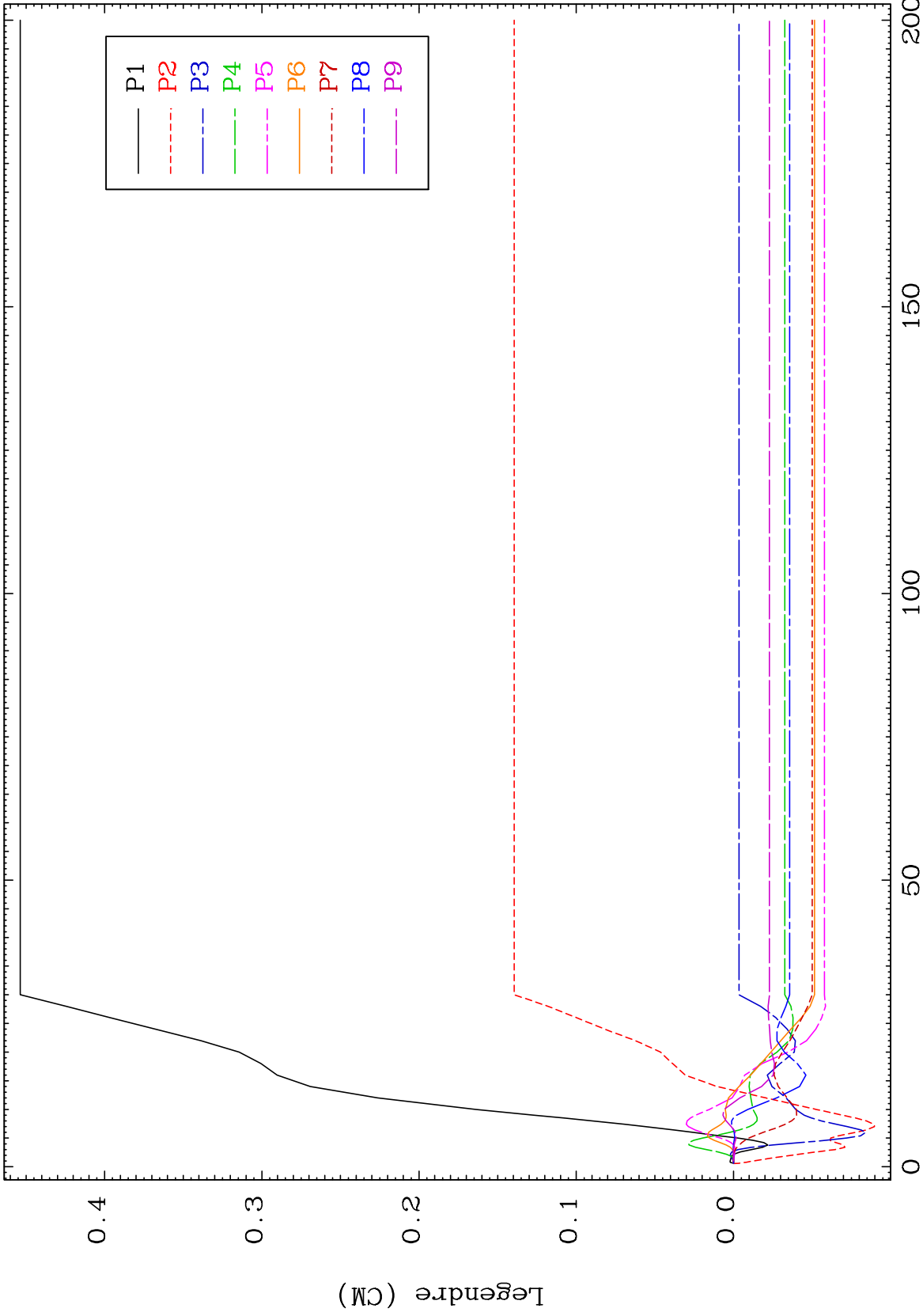
51

57-La-125

MAT 5686

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

57-La-125



52

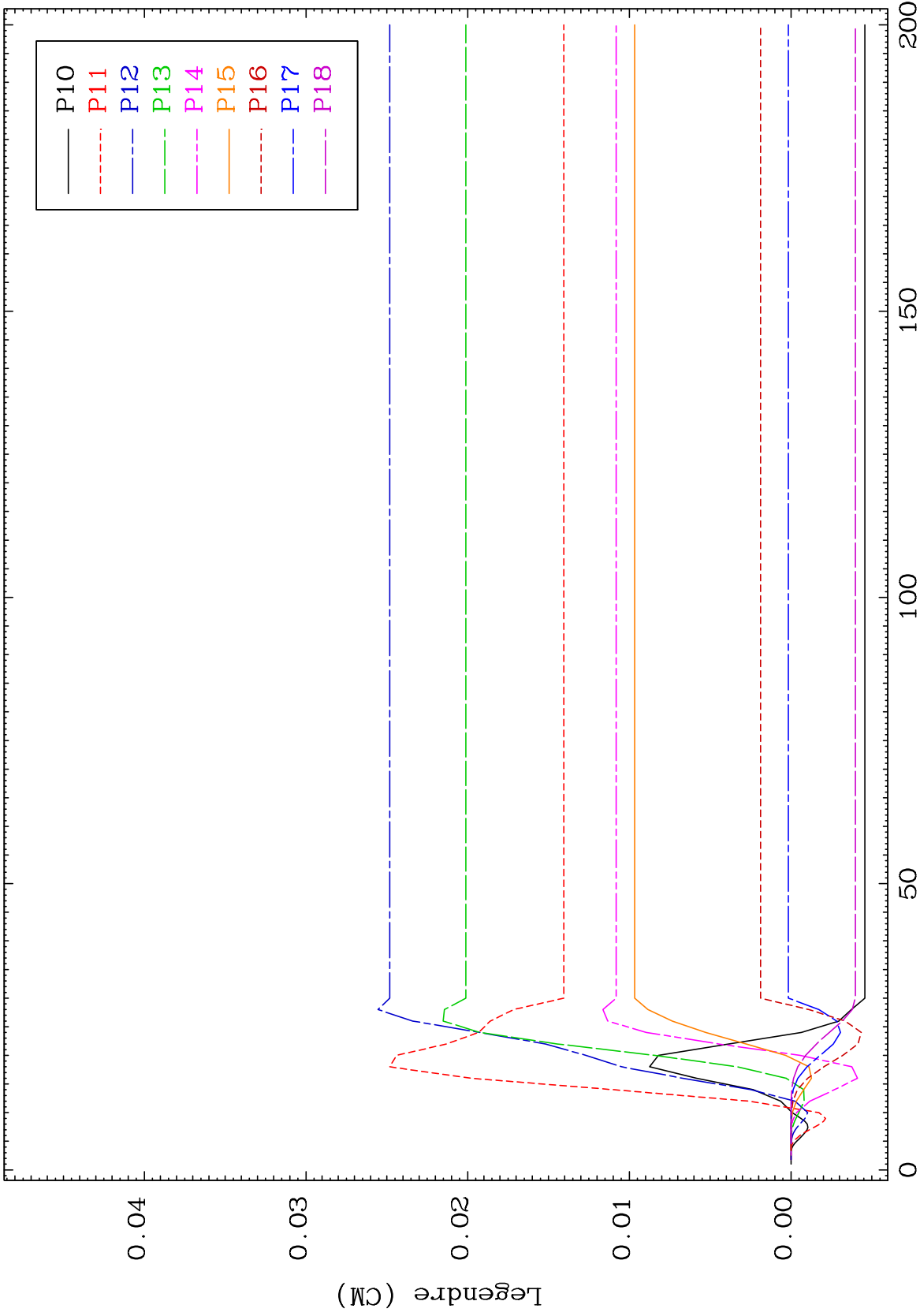
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



53

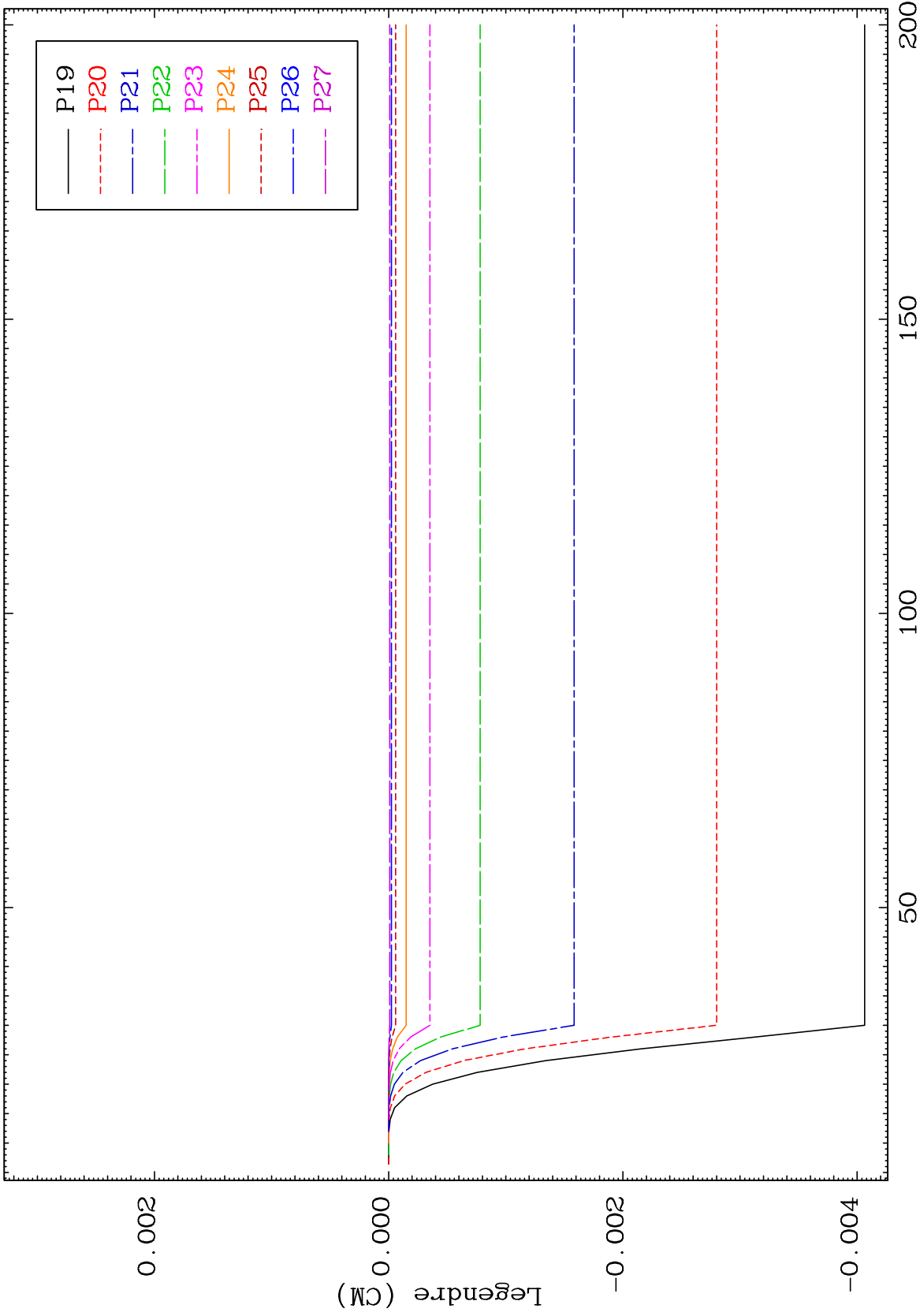
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



54

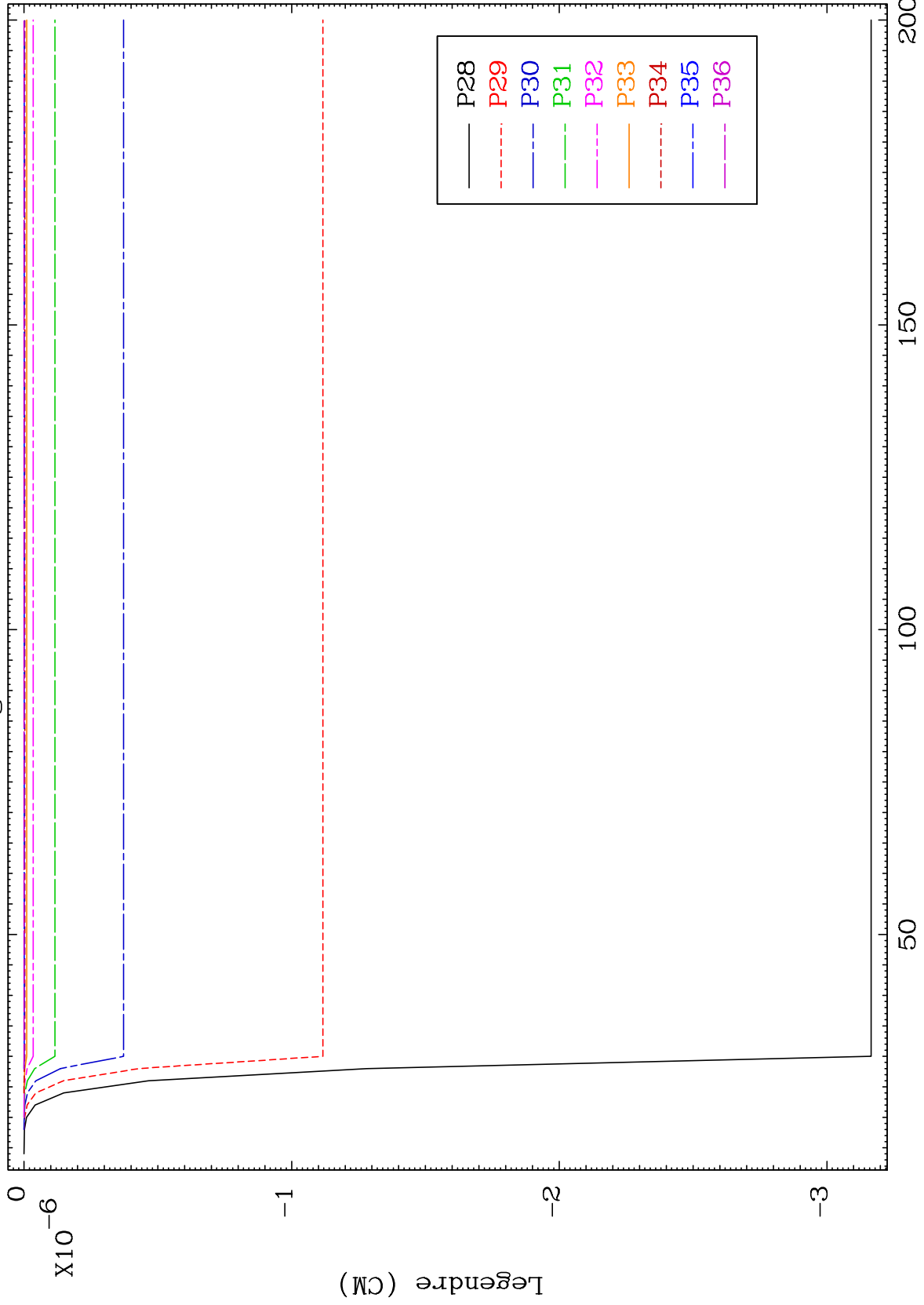
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



57-La-125

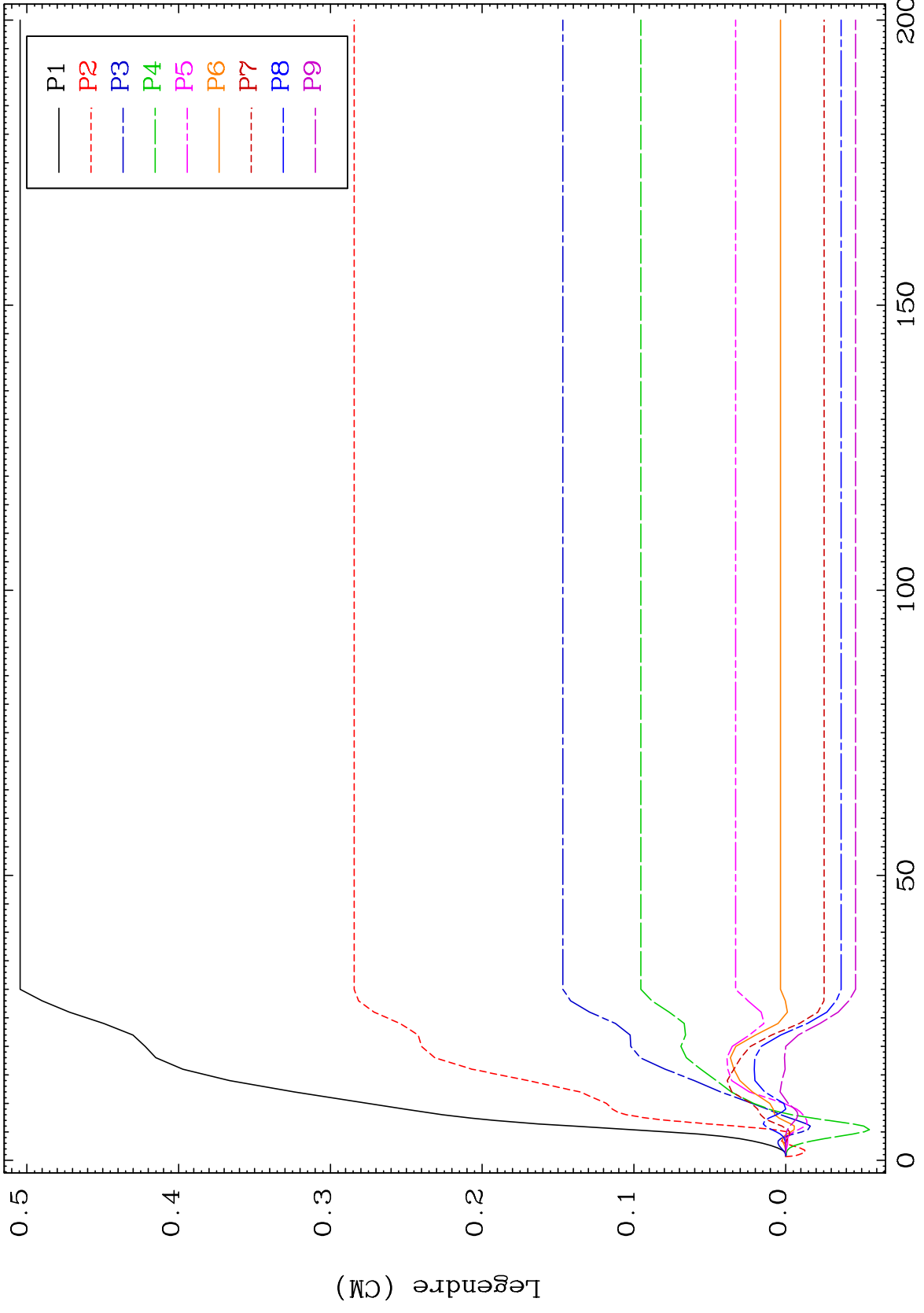
Incident Energy (MeV)

55

MAT 5686

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

57-La-125



56

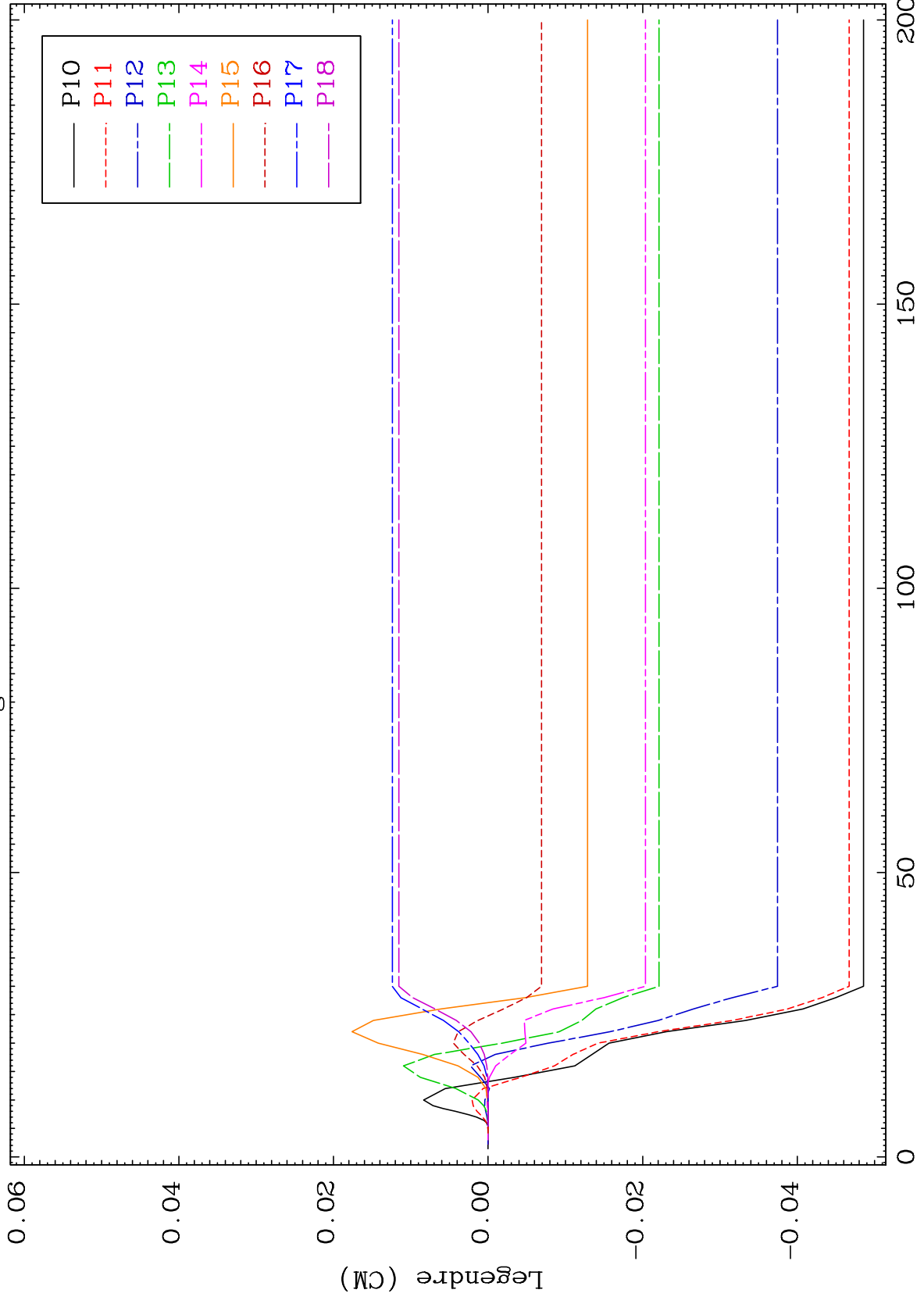
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



57

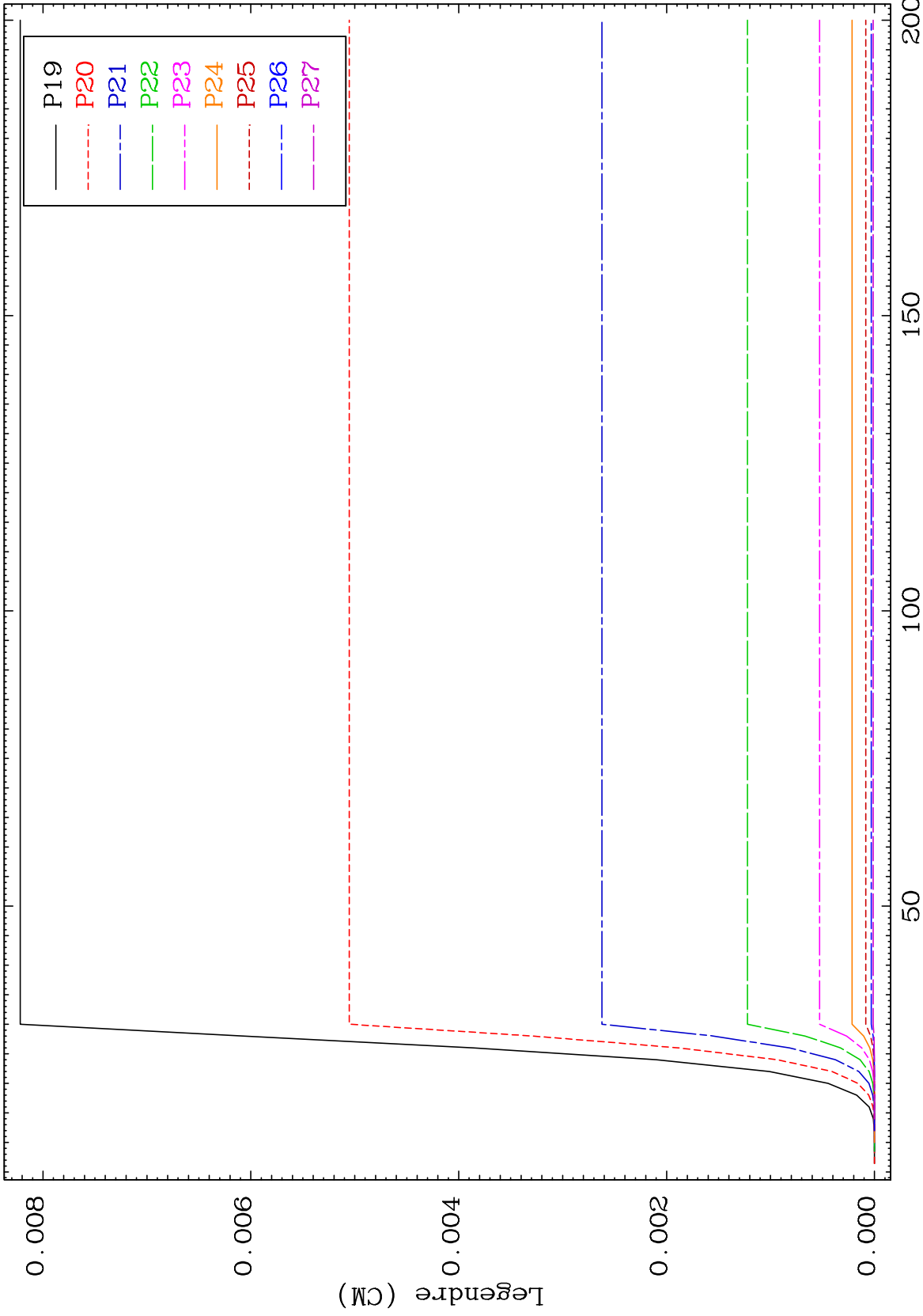
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



58

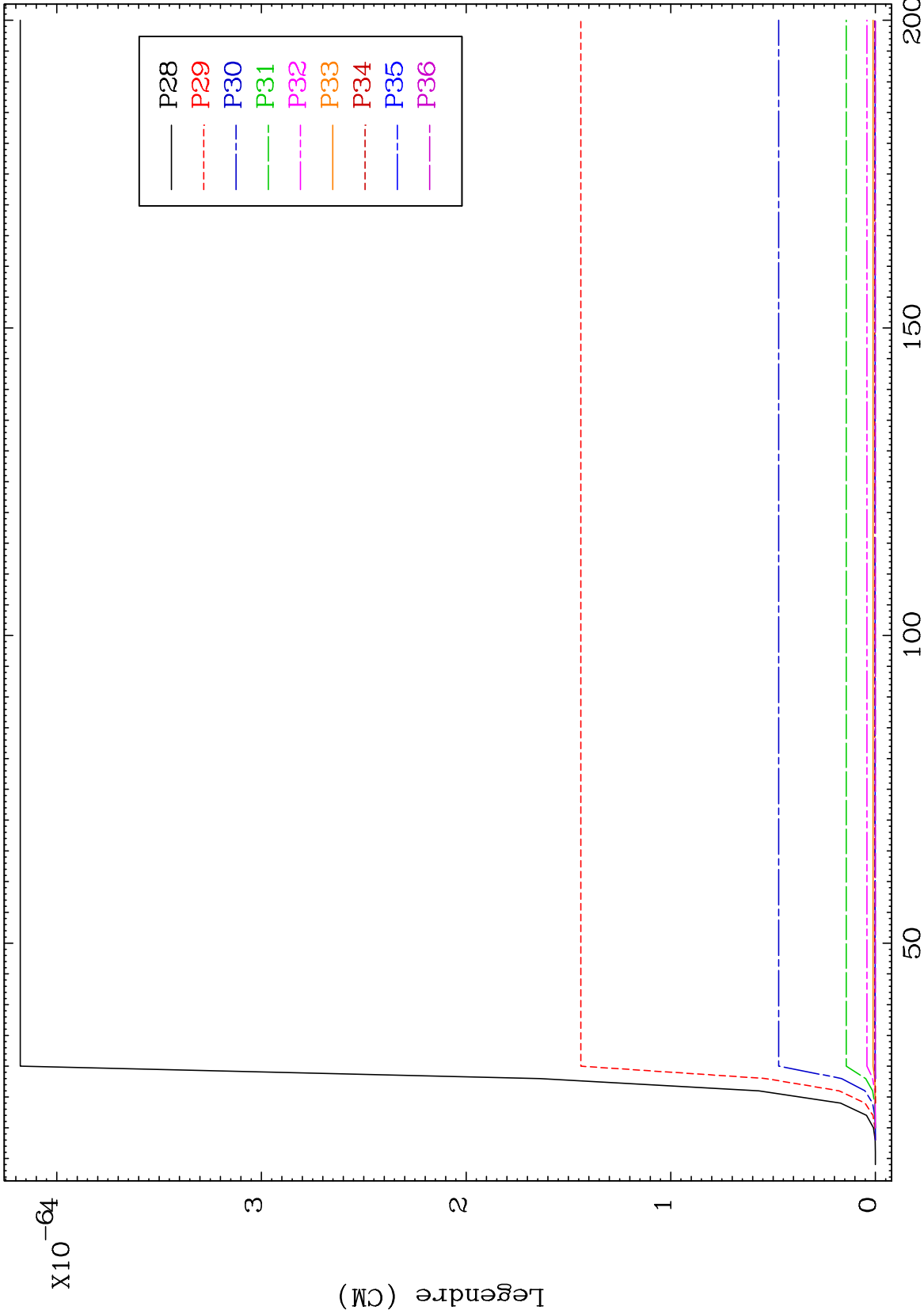
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



59

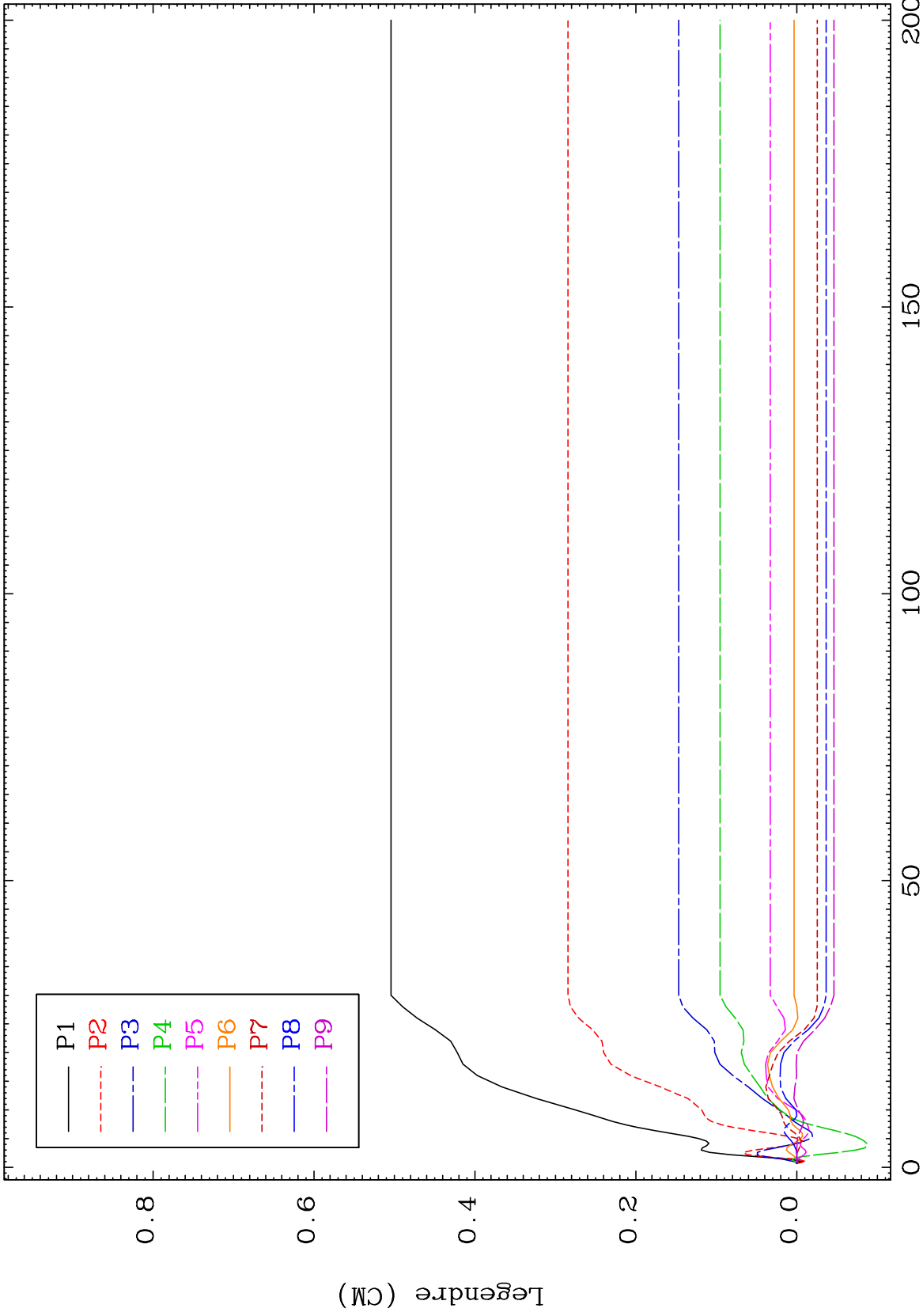
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



0

50

100

150

200

Incident Energy (MeV)

57-La-125

Legendre (CM)

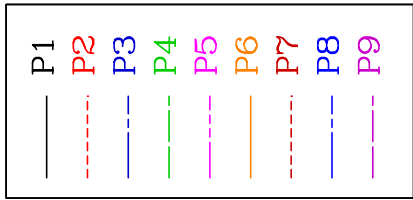
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0.6

0.4

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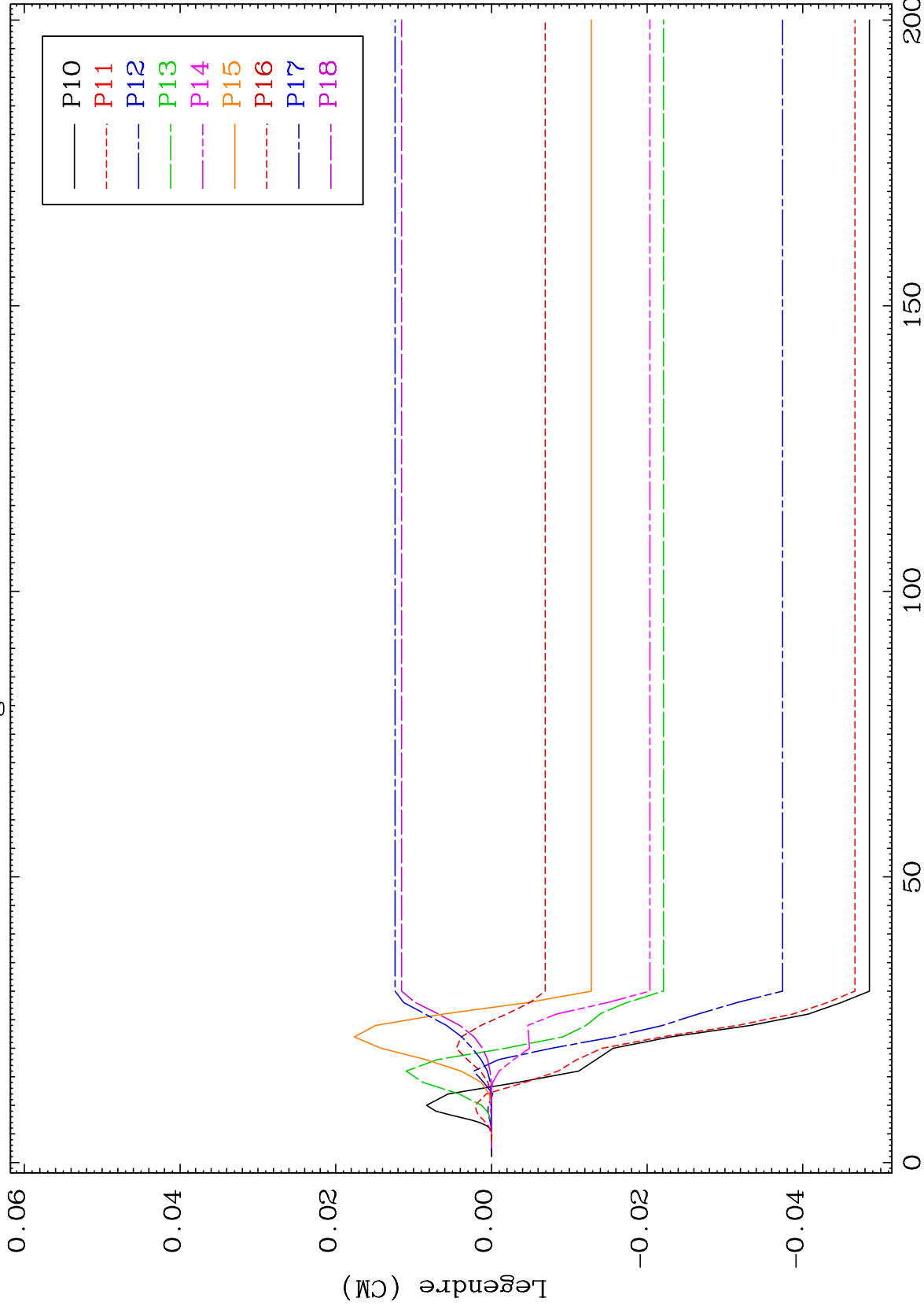
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MAT 5686

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

57-La-125



61

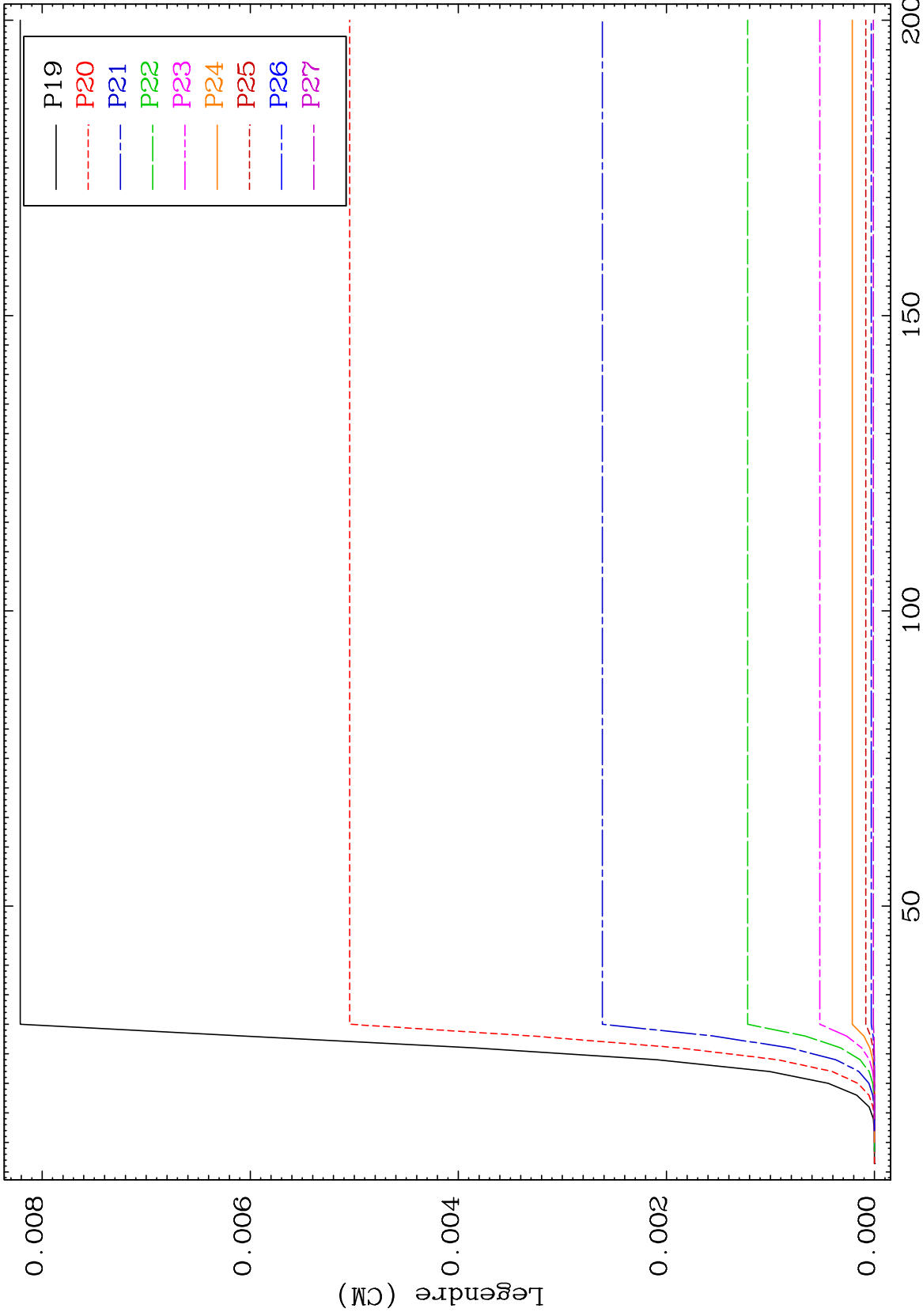
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



62

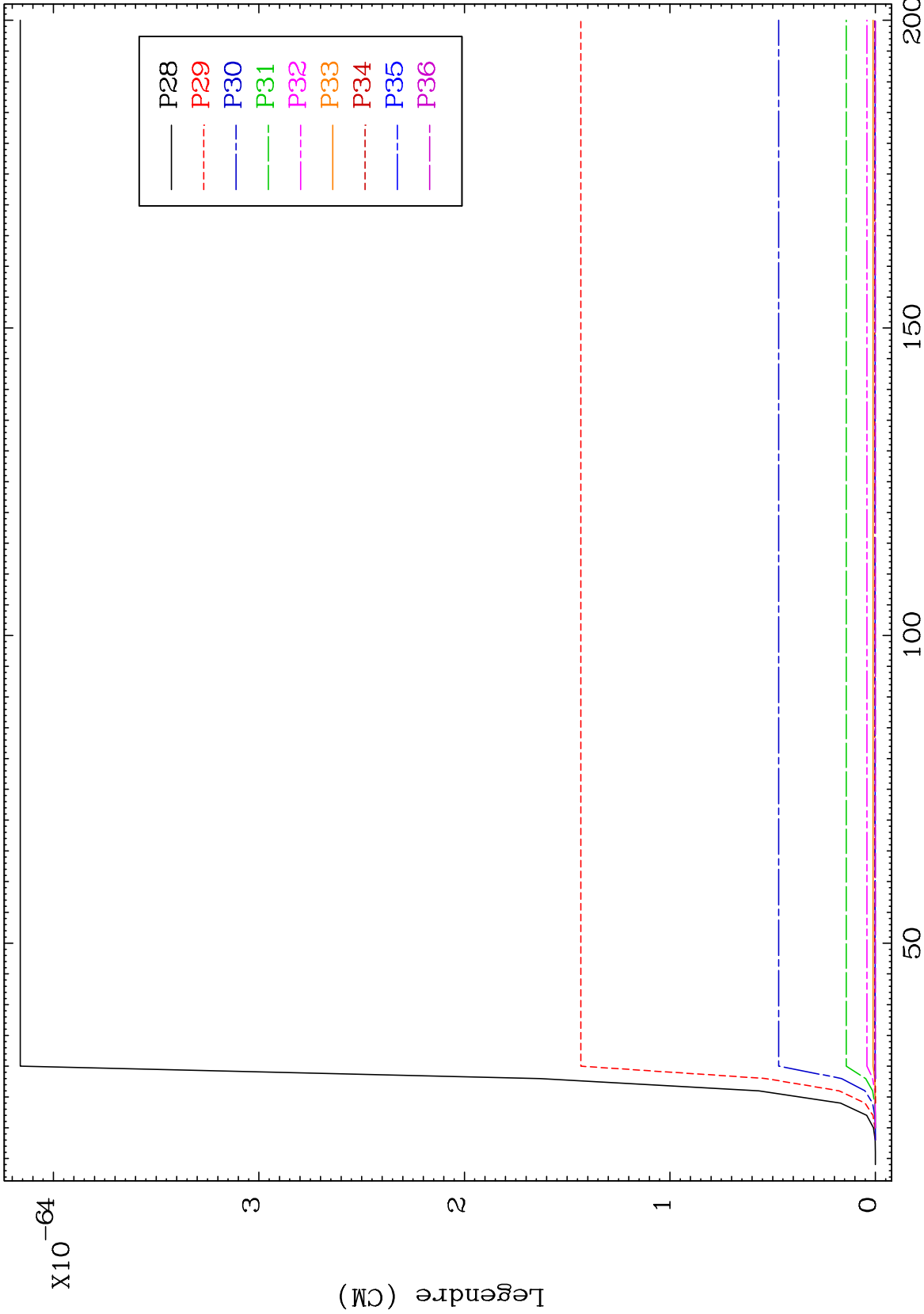
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



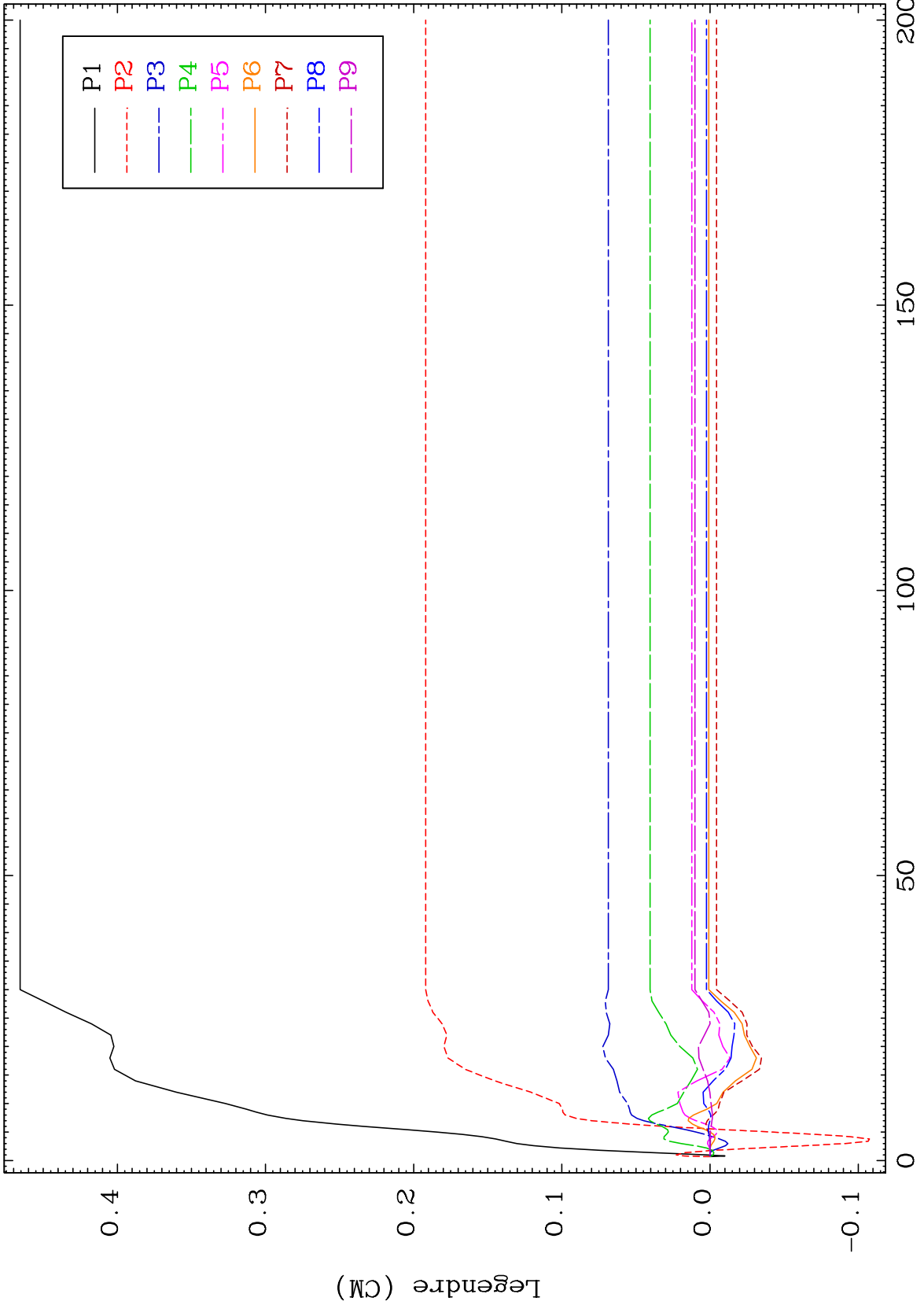
63

57-La-125

MAT 5686

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

57-La-125



64

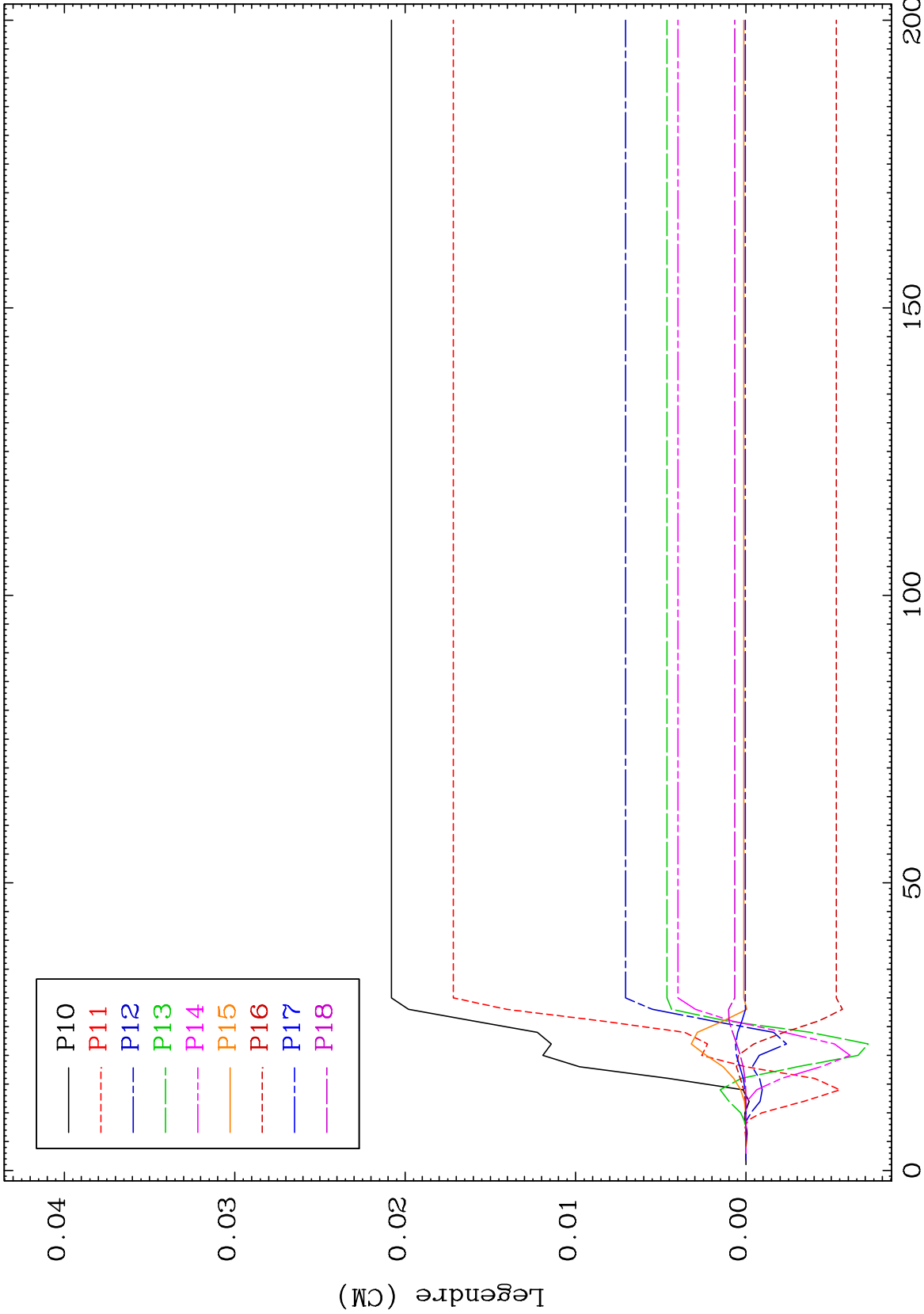
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



65

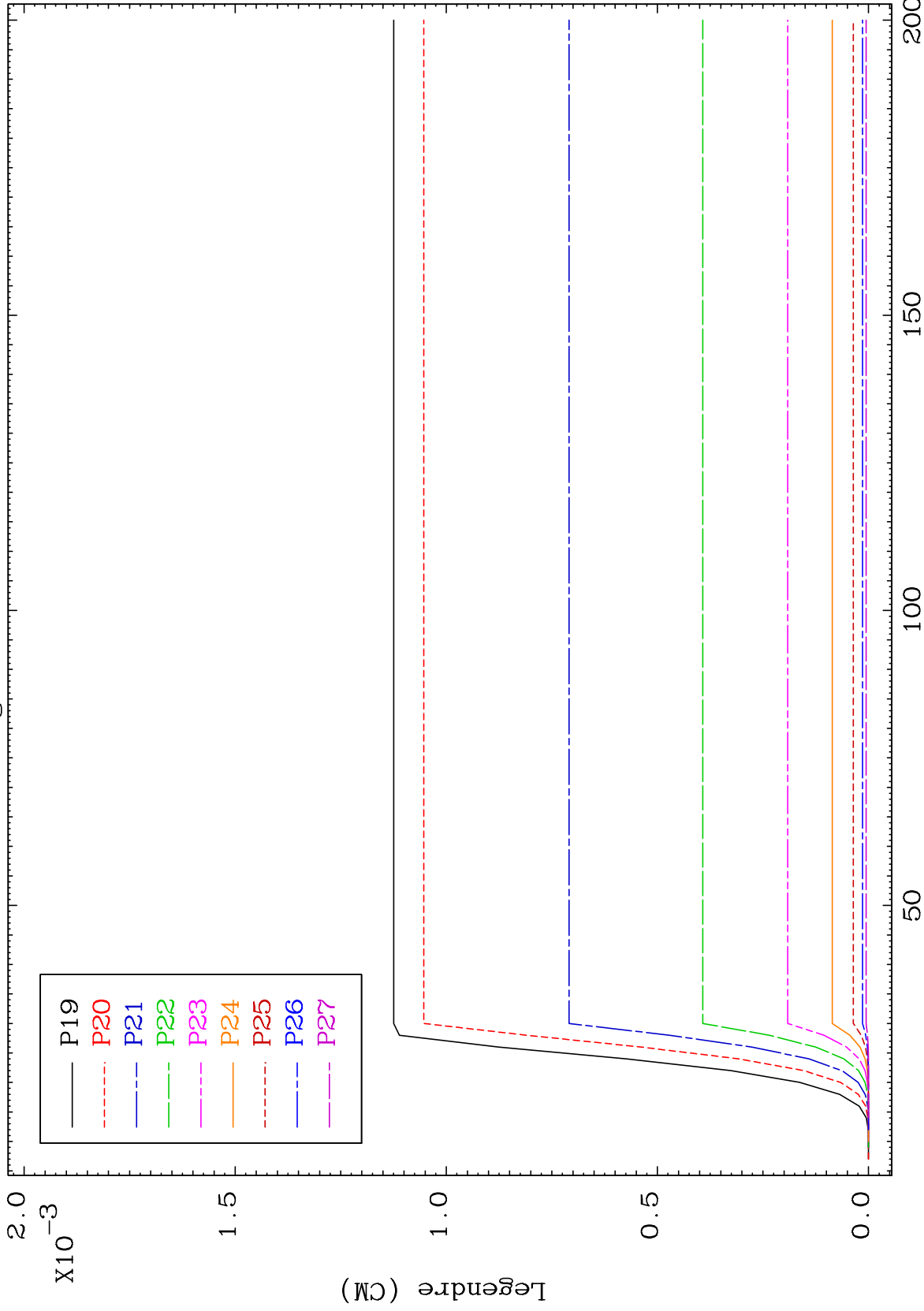
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



66

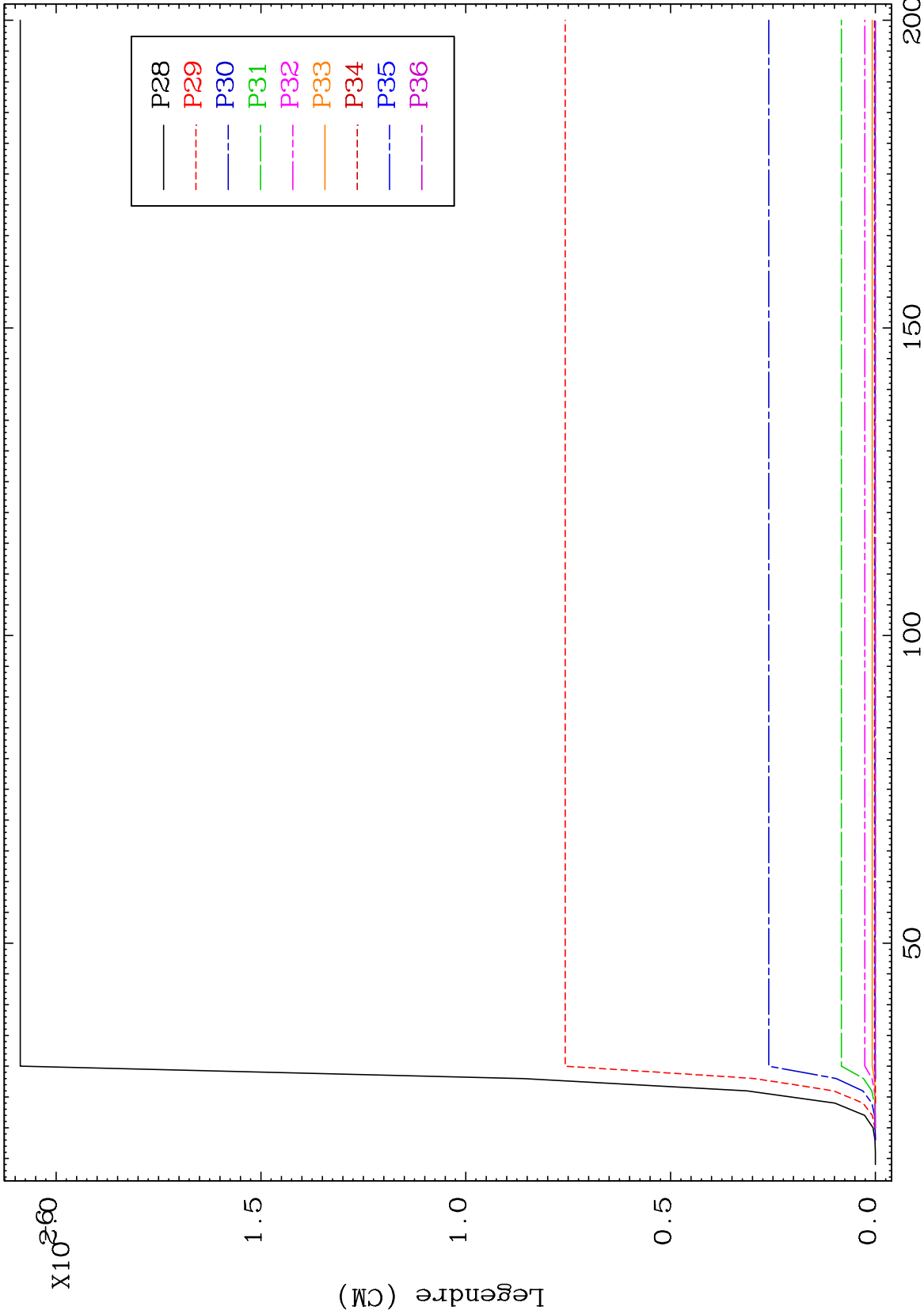
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



67

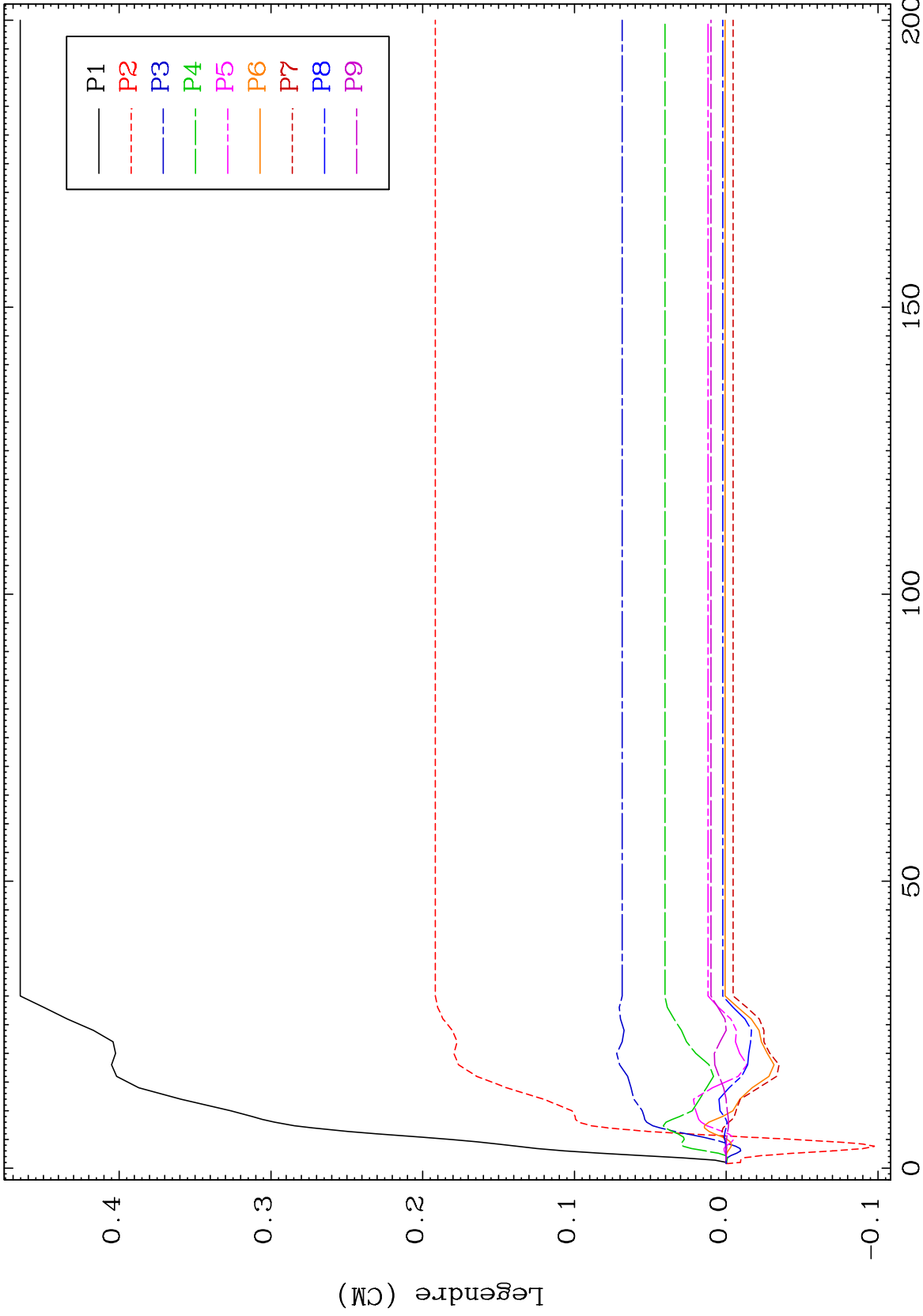
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



68

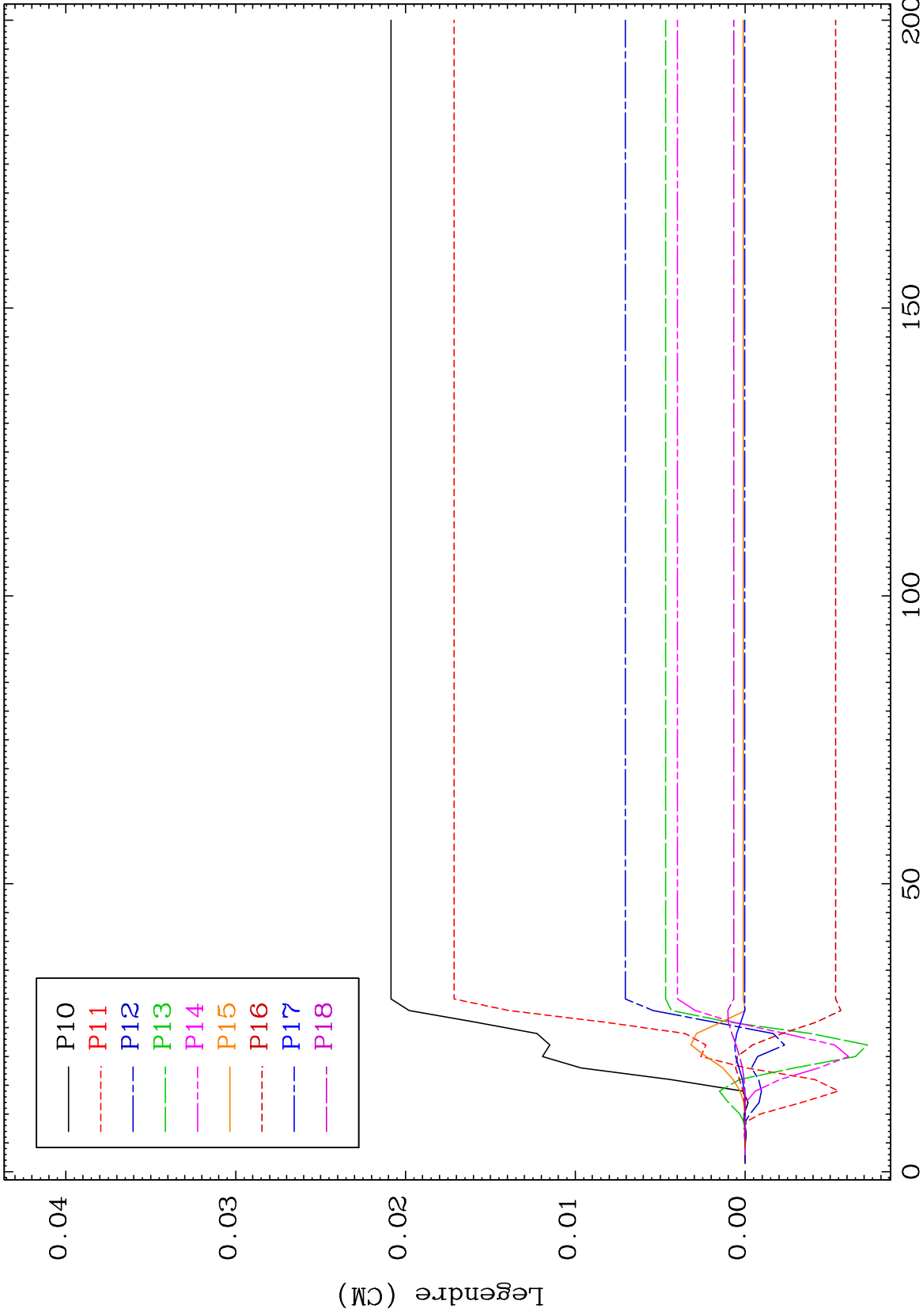
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



69

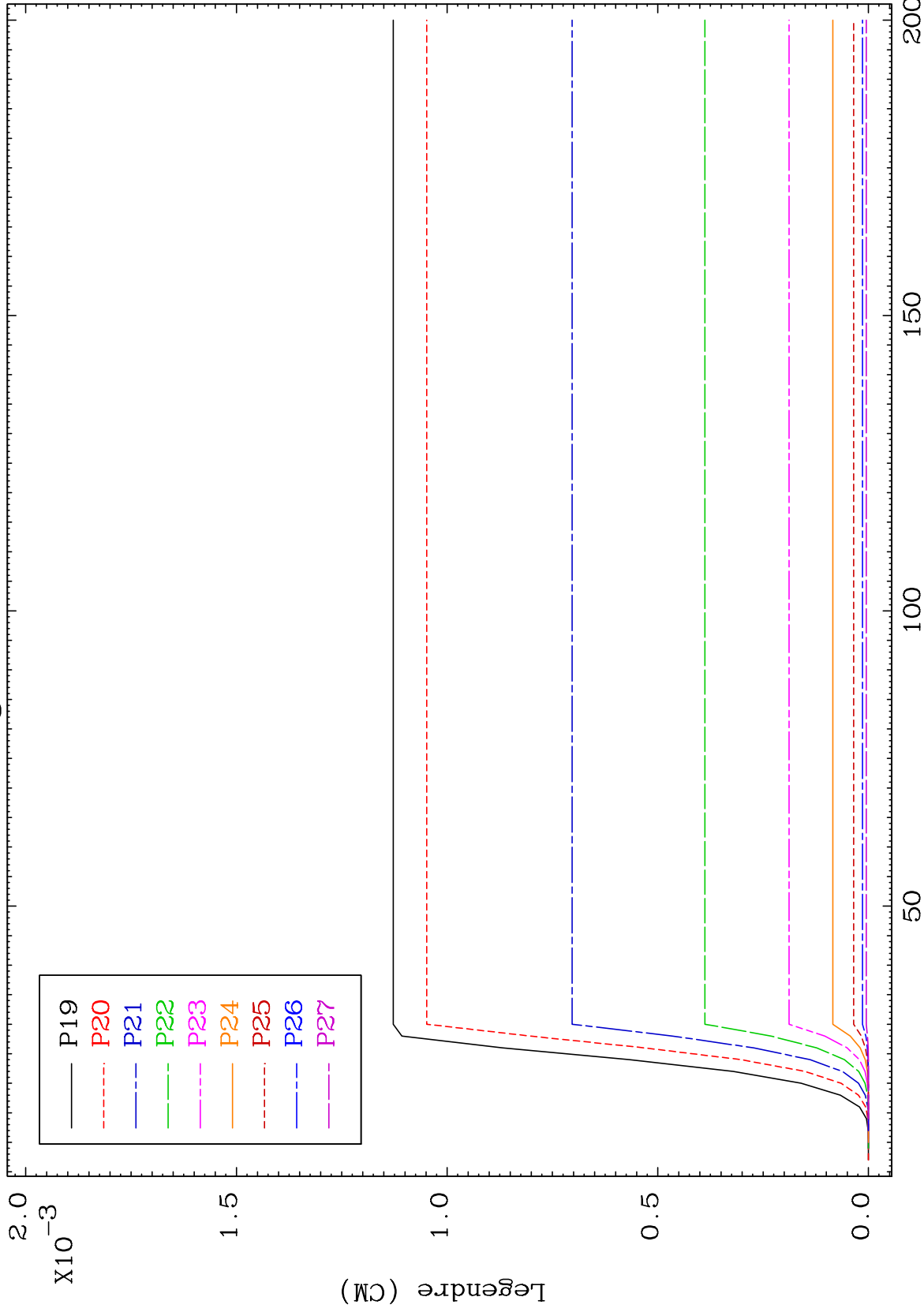
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



70

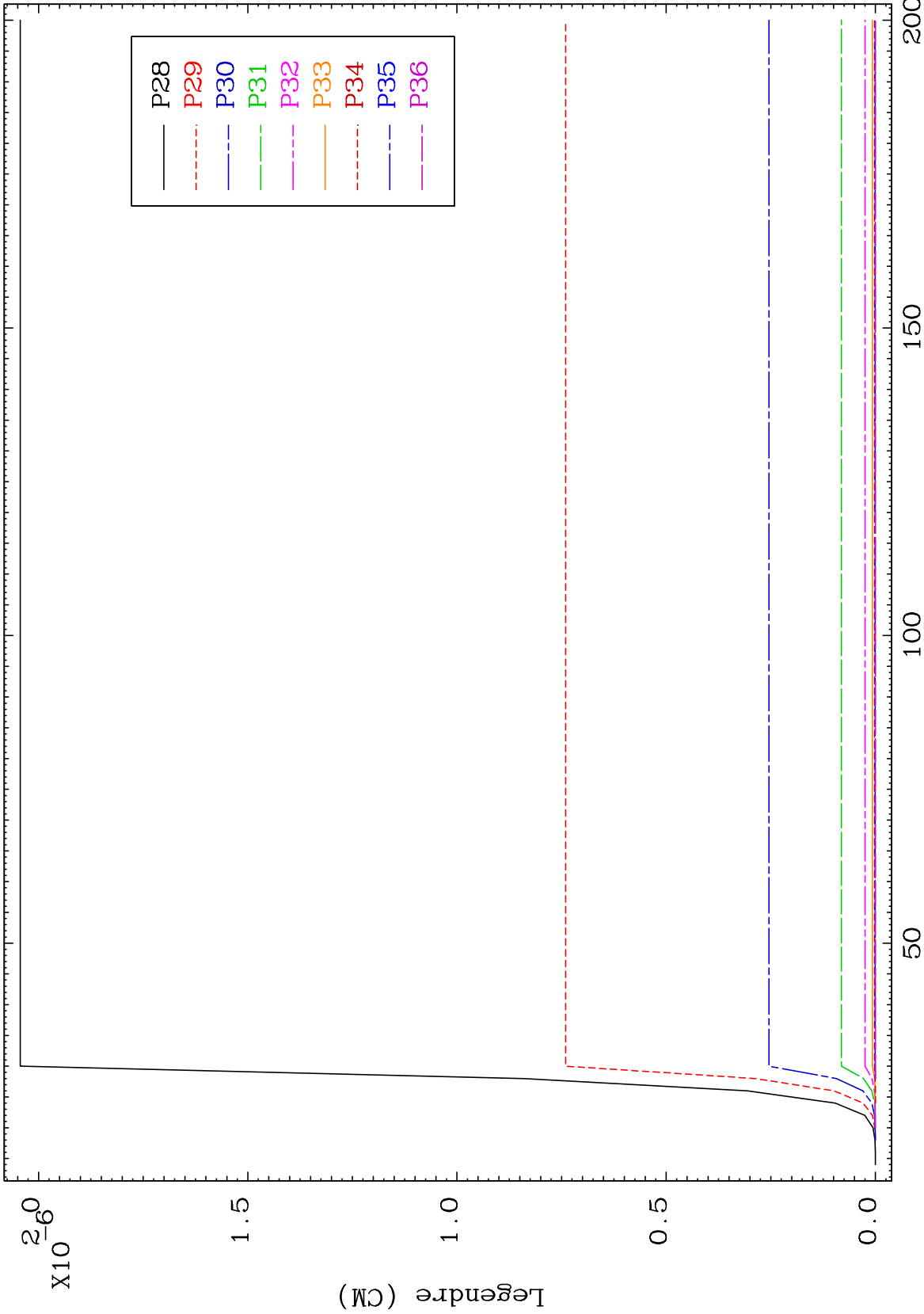
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



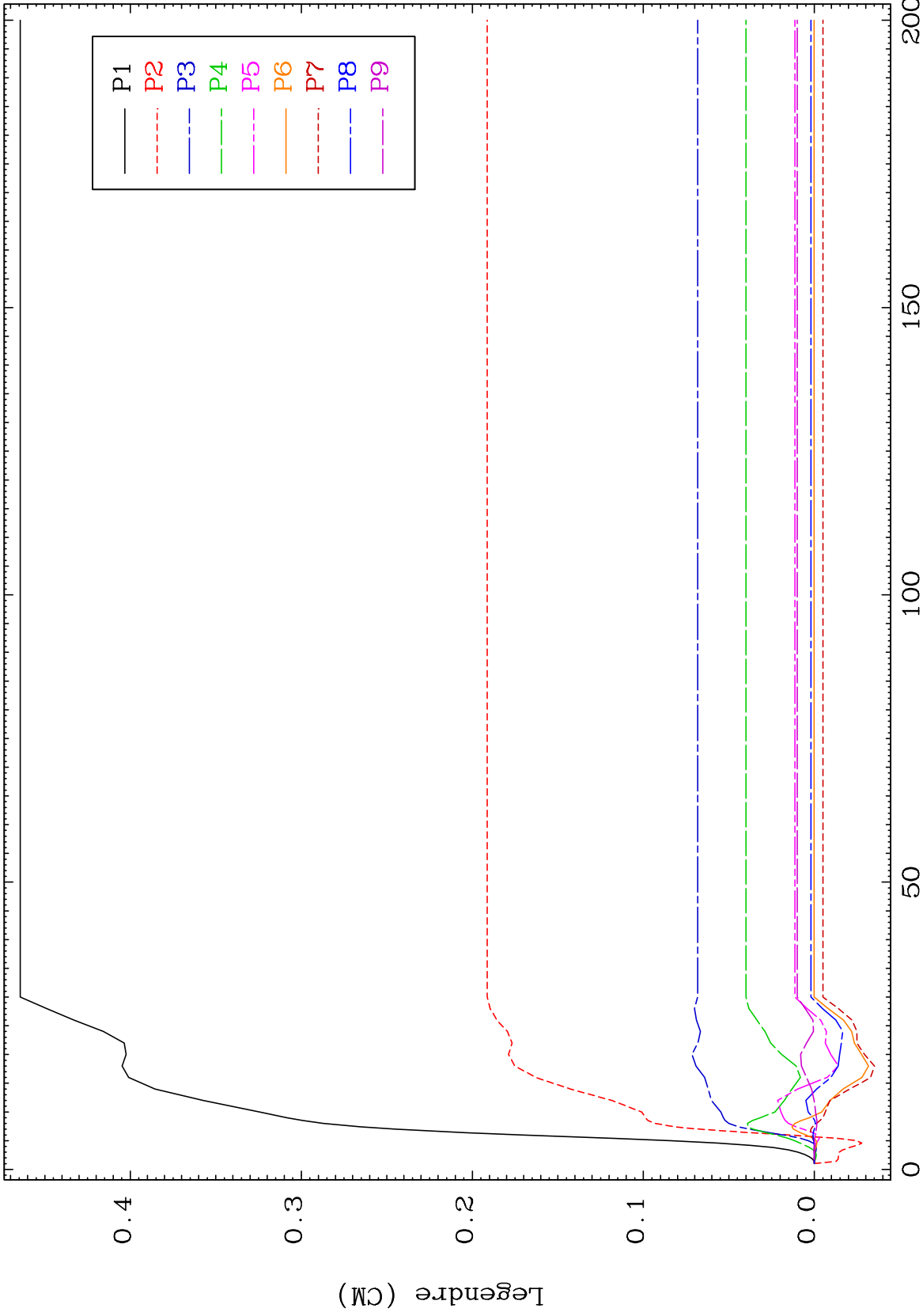
71

57-La-125

MAT 5686

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

57-La-125



72

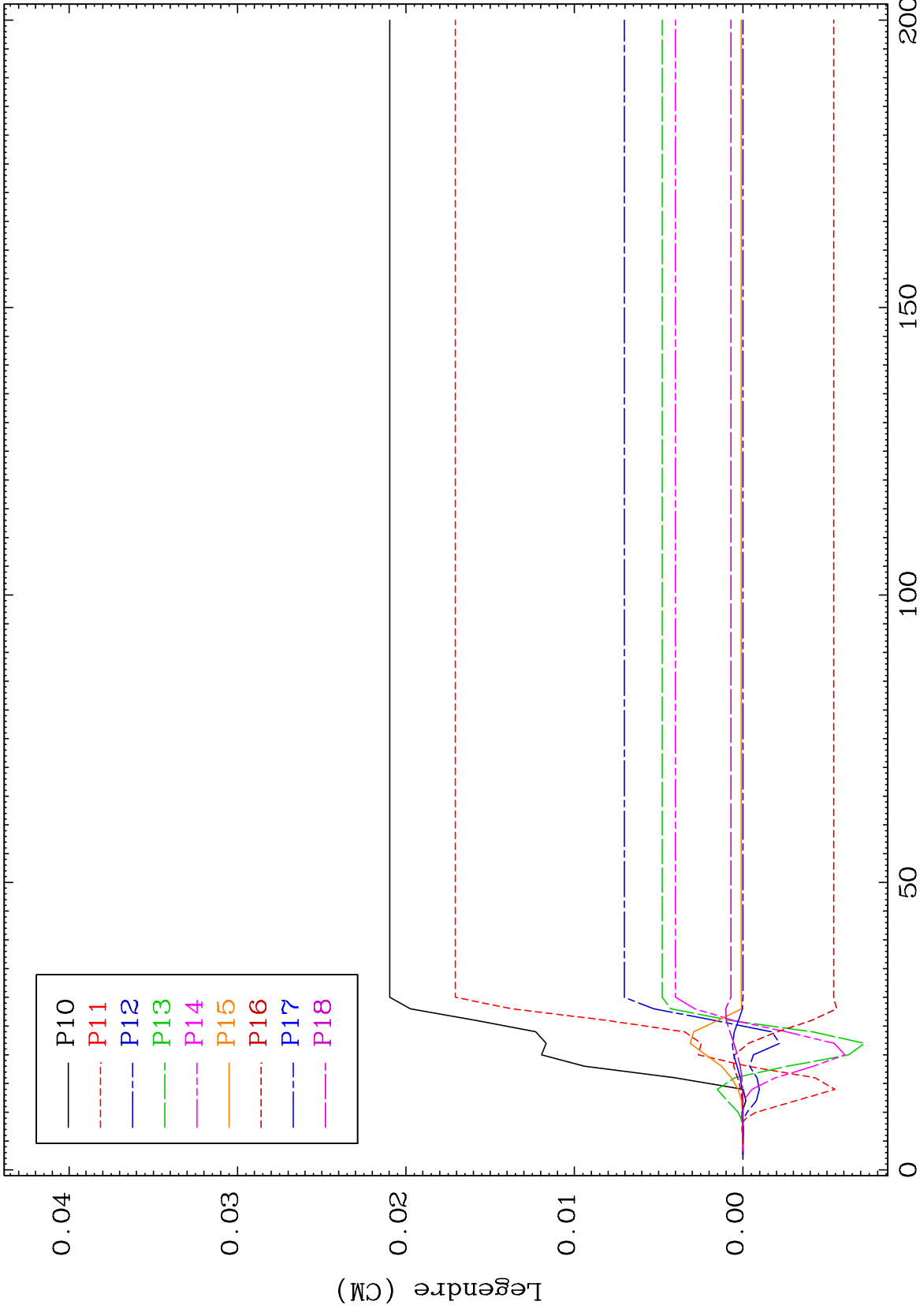
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



73

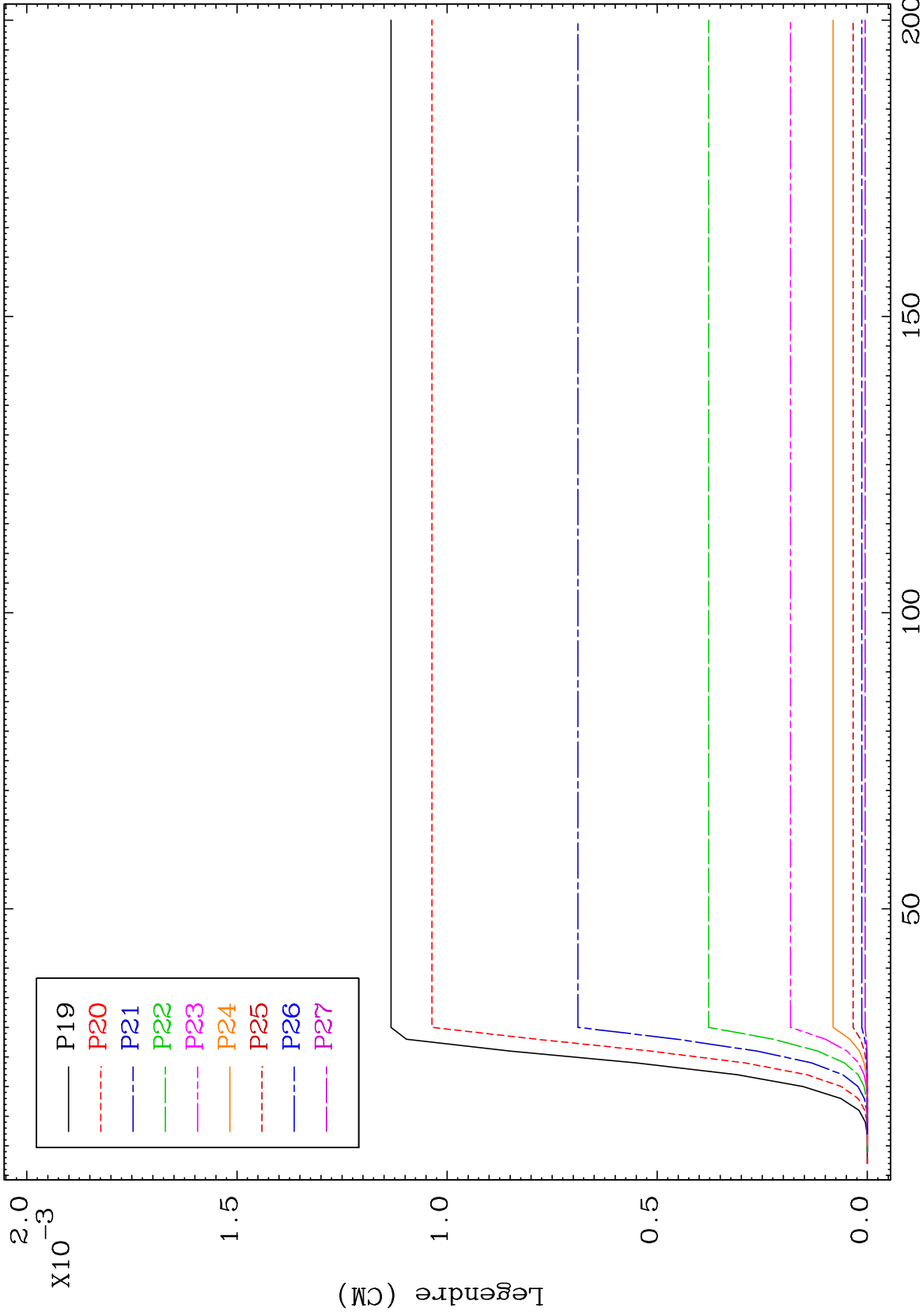
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



74

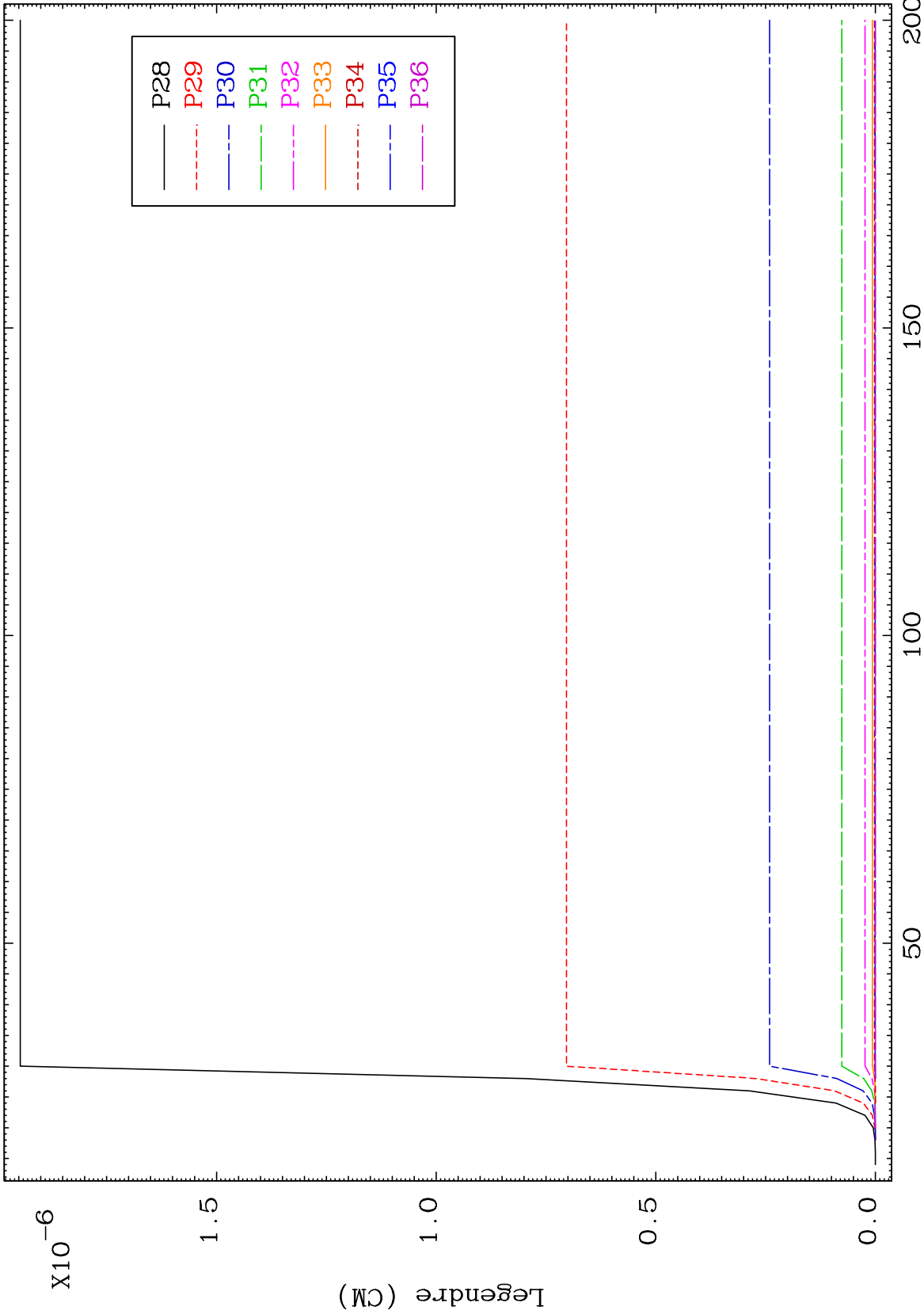
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



75

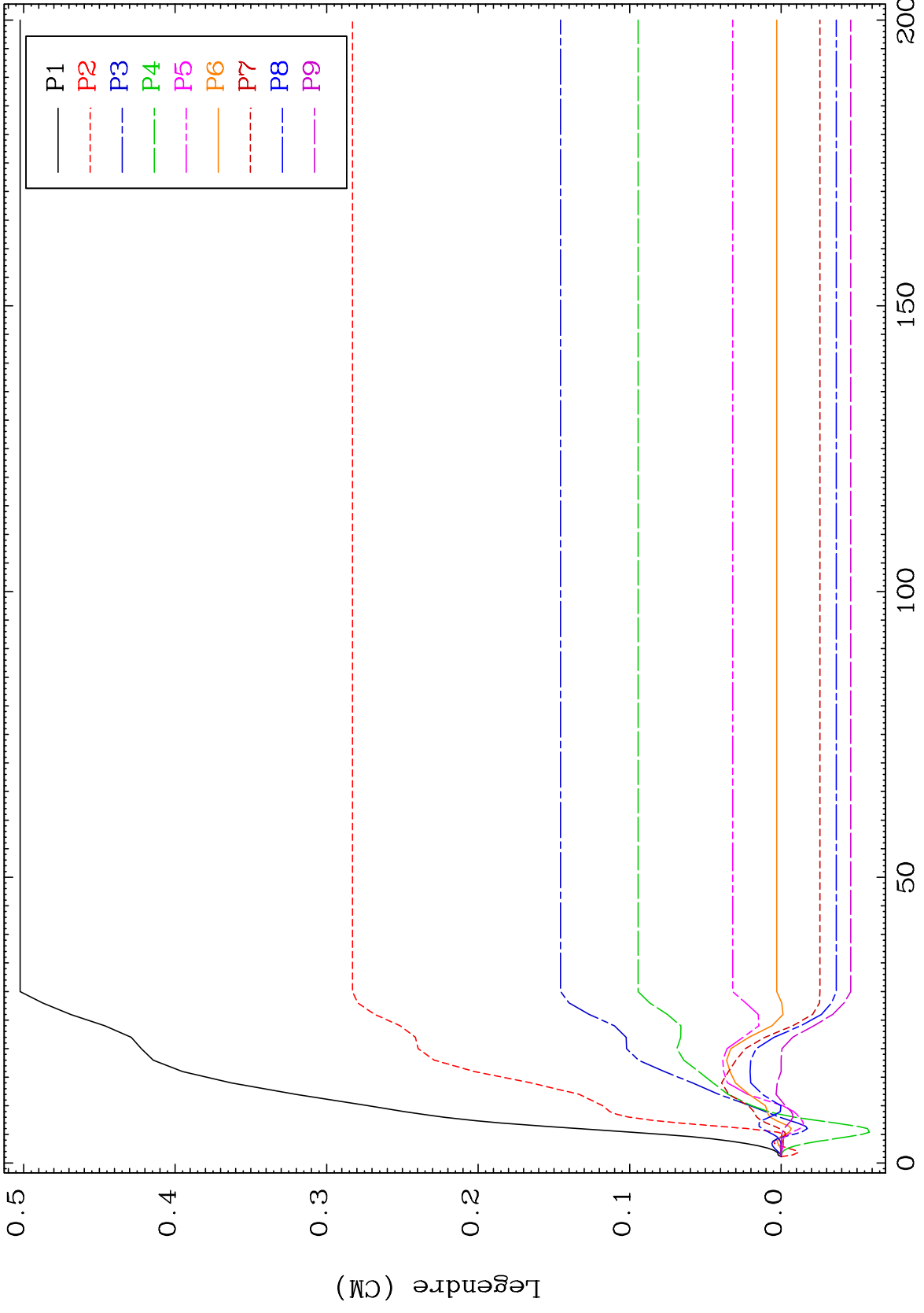
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



76

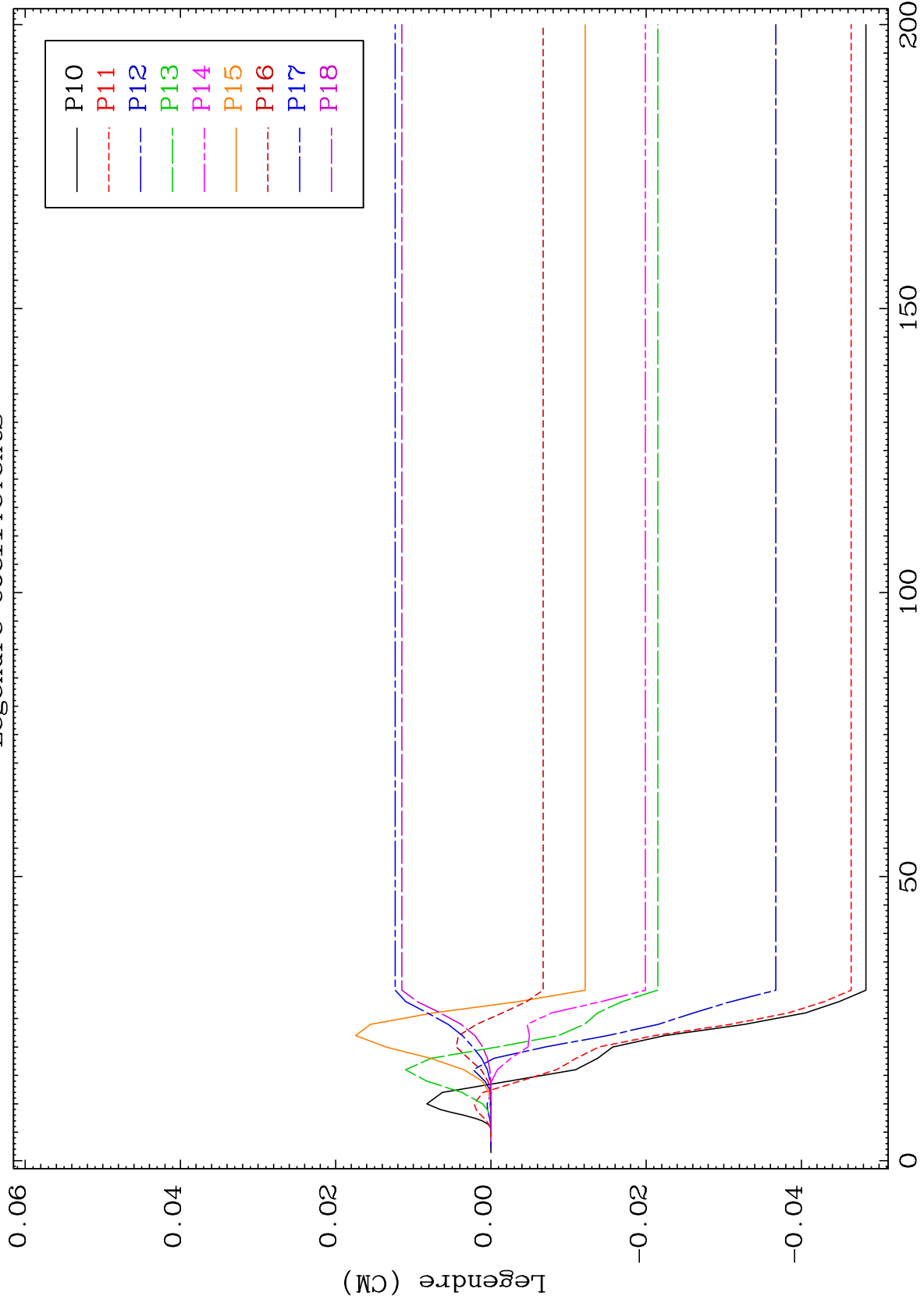
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



77

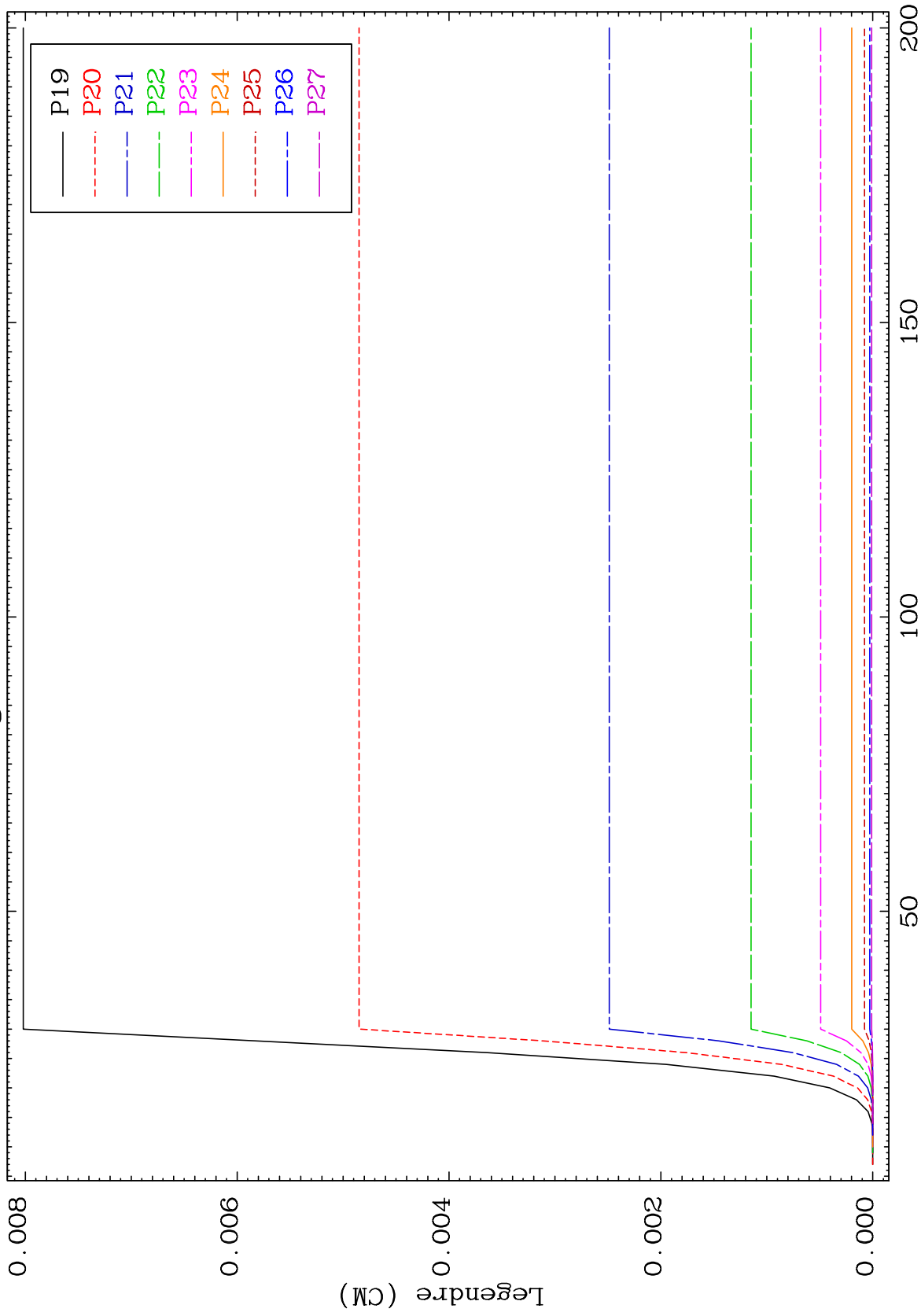
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



78

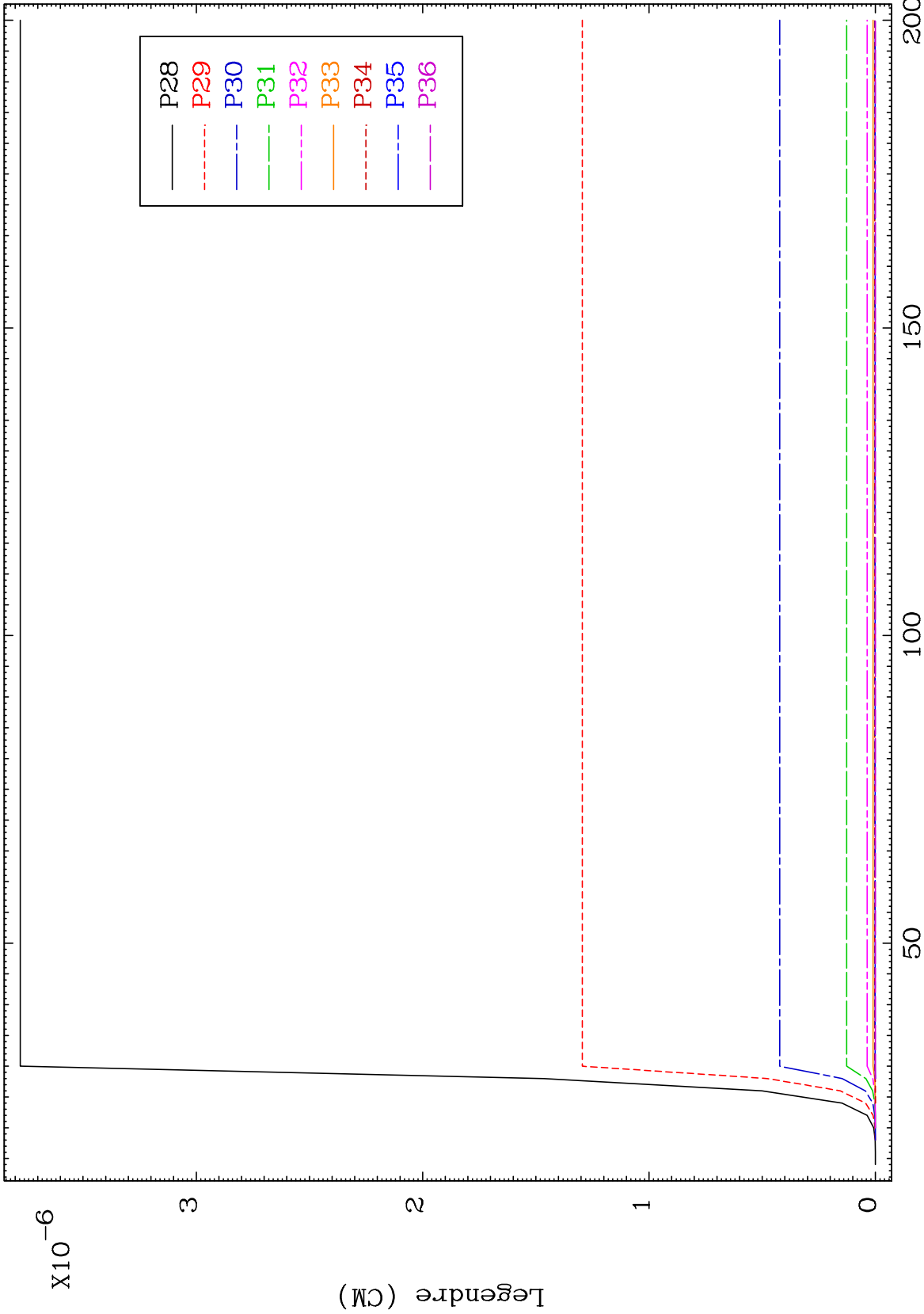
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



79

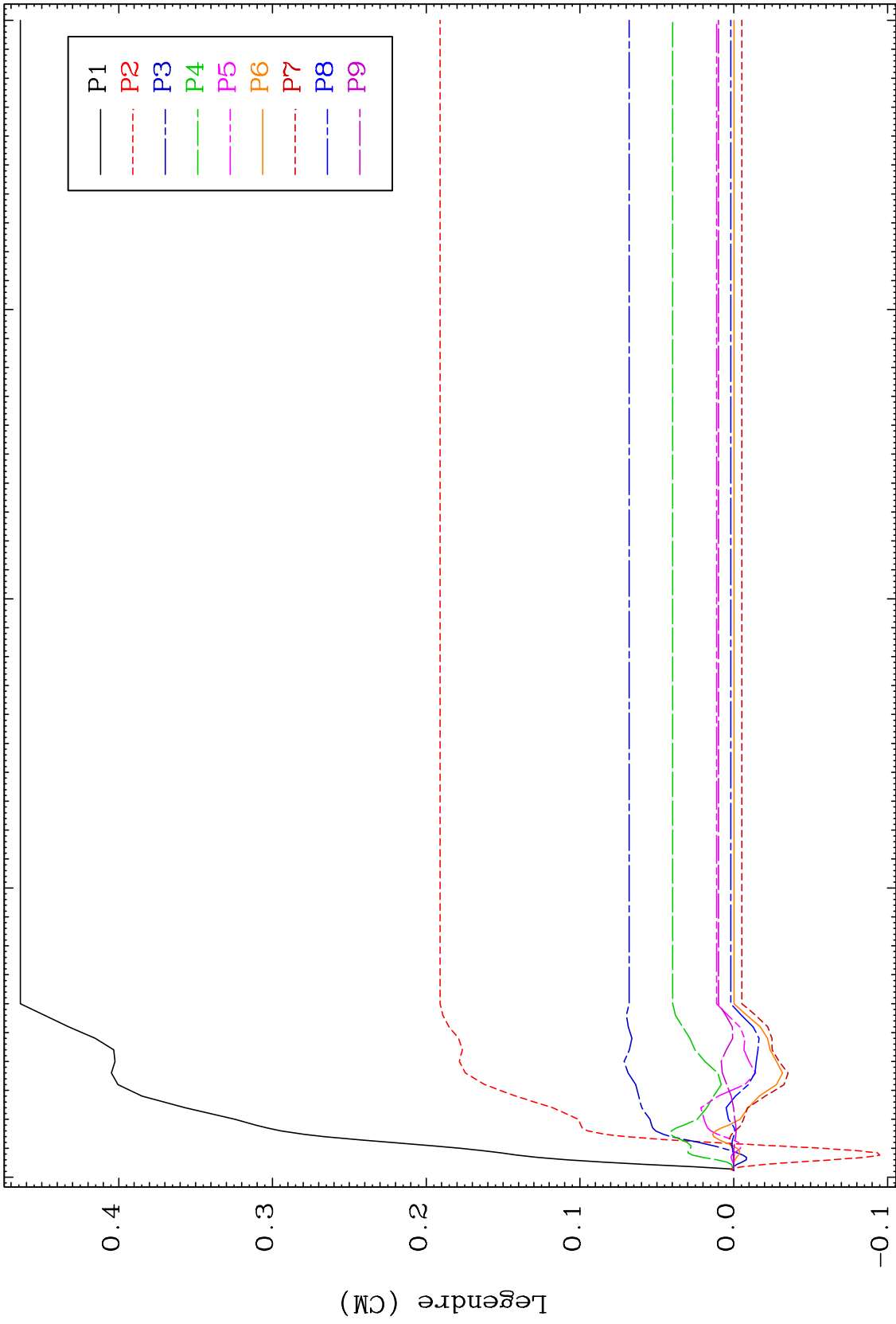
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



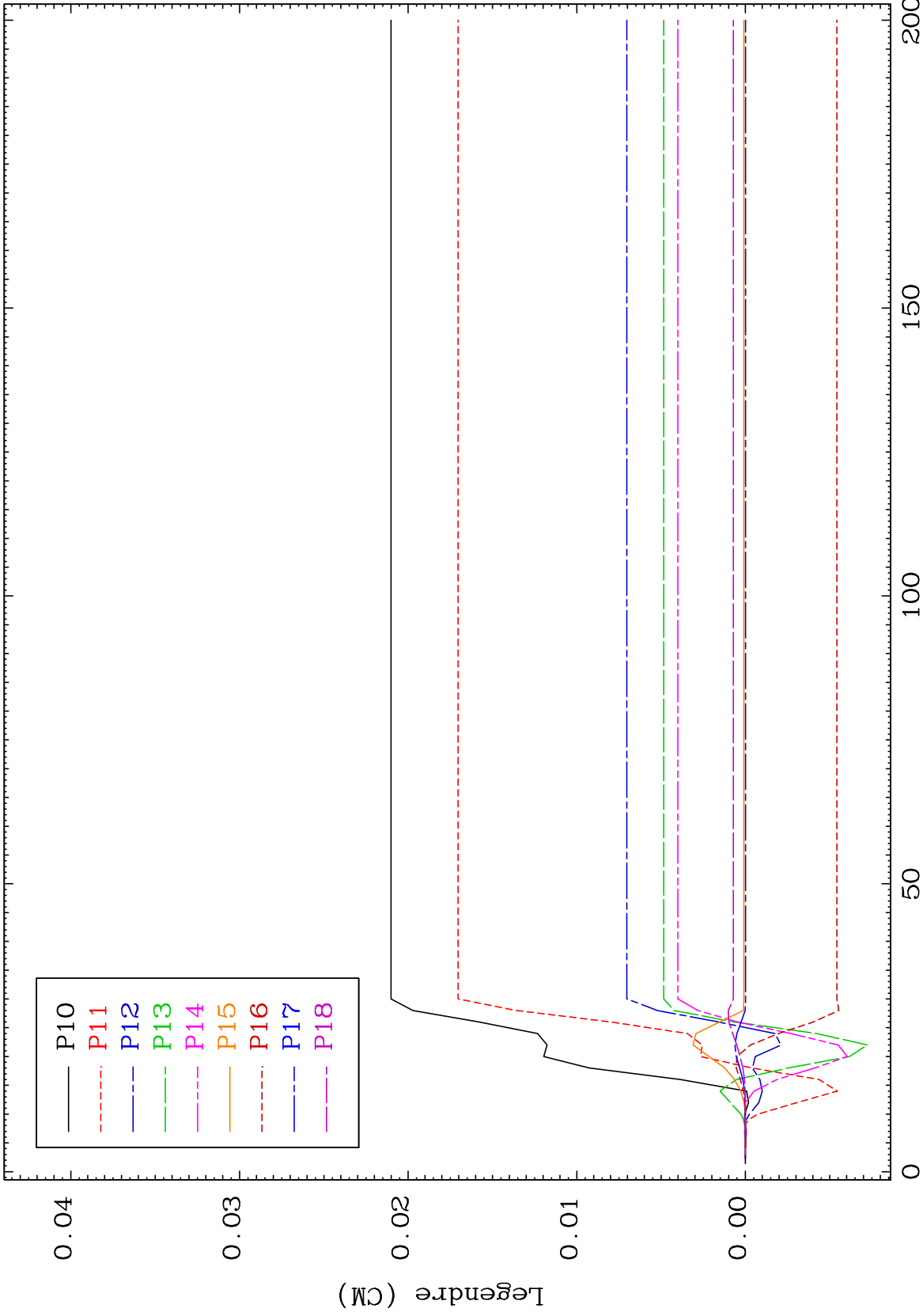
57-La-125

Incident Energy (MeV)

MAT 5686

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

57-La-125



81

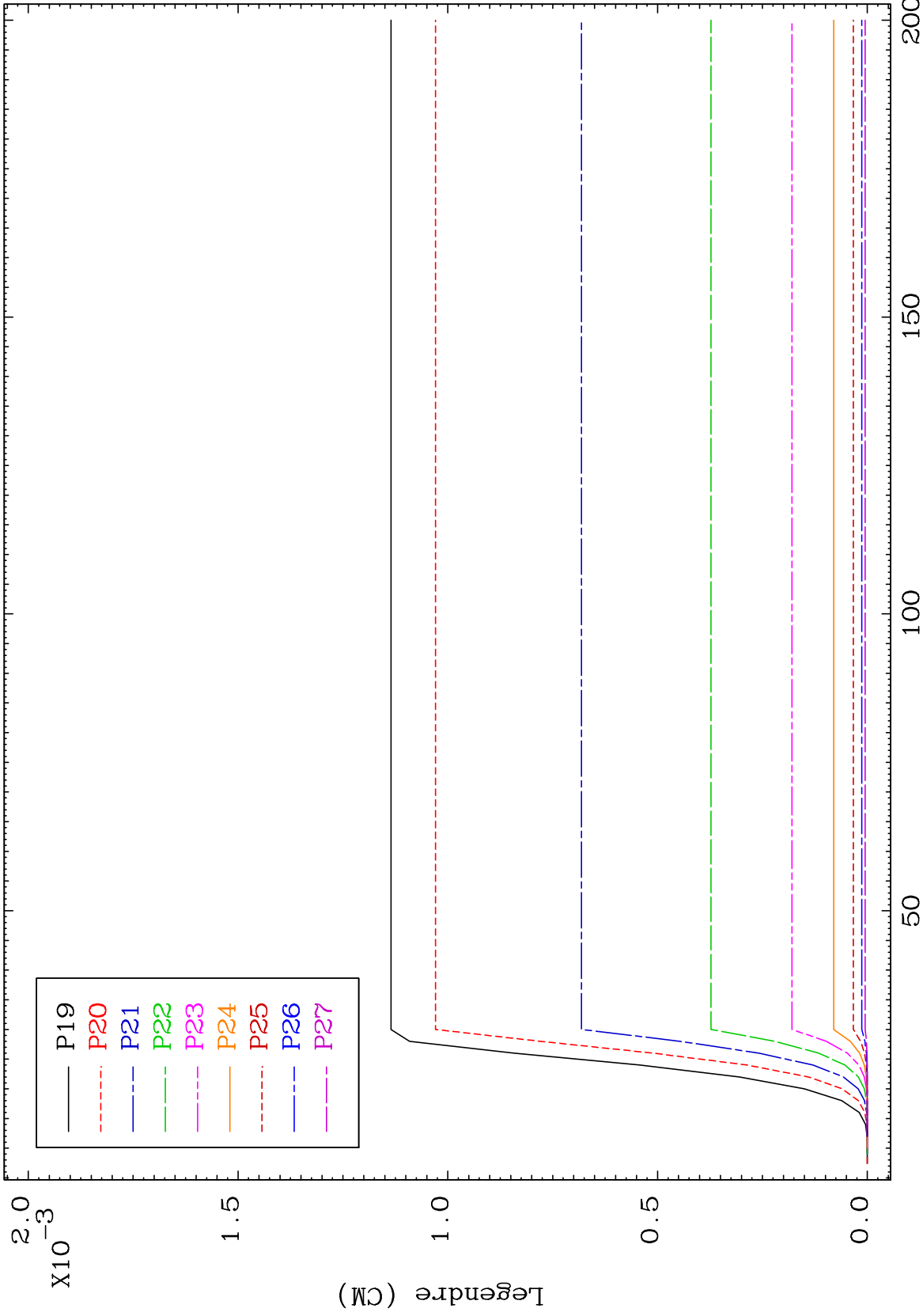
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



82

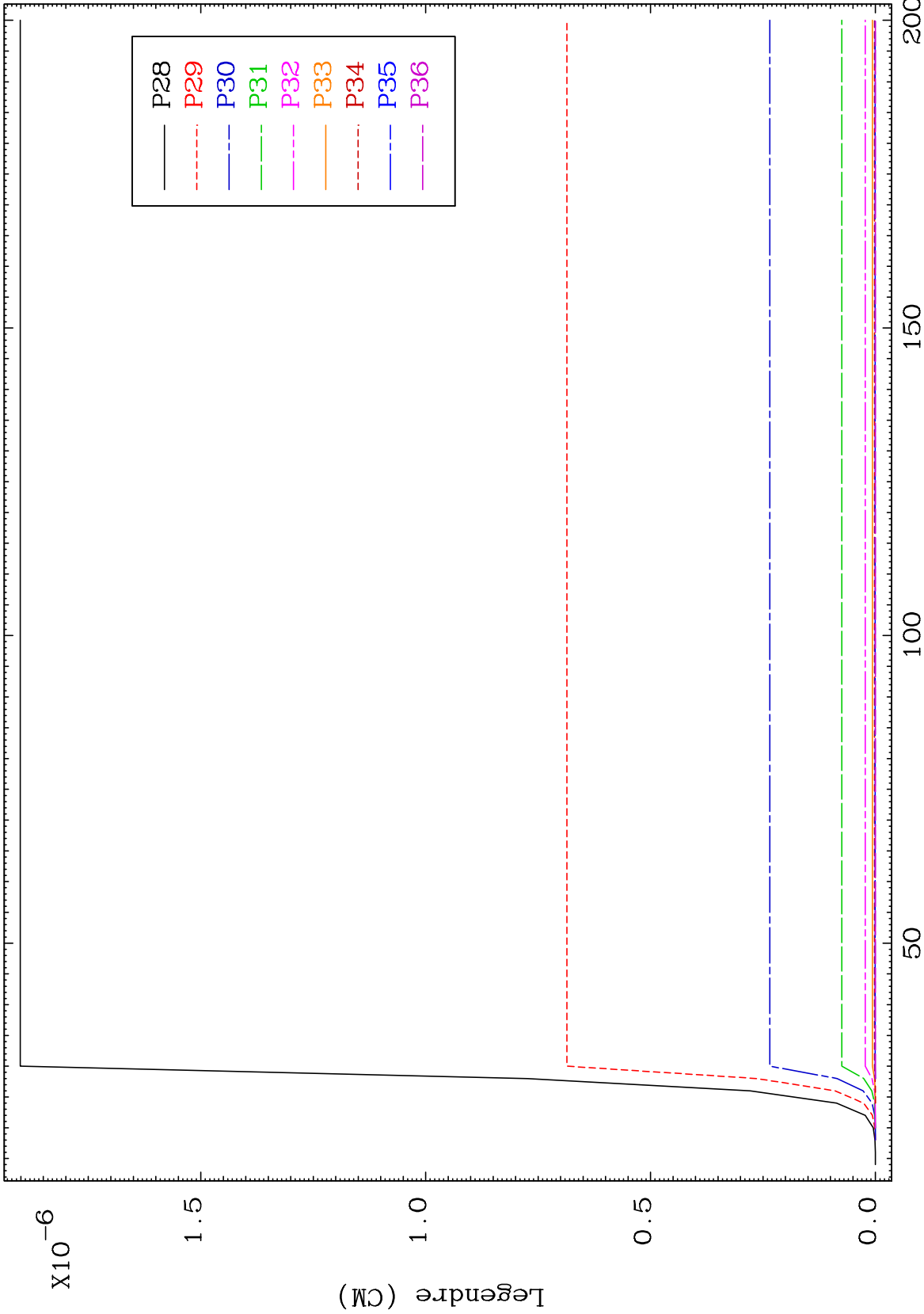
Incident Energy (MeV)

57-La-125

MAT 5686

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

57-La-125



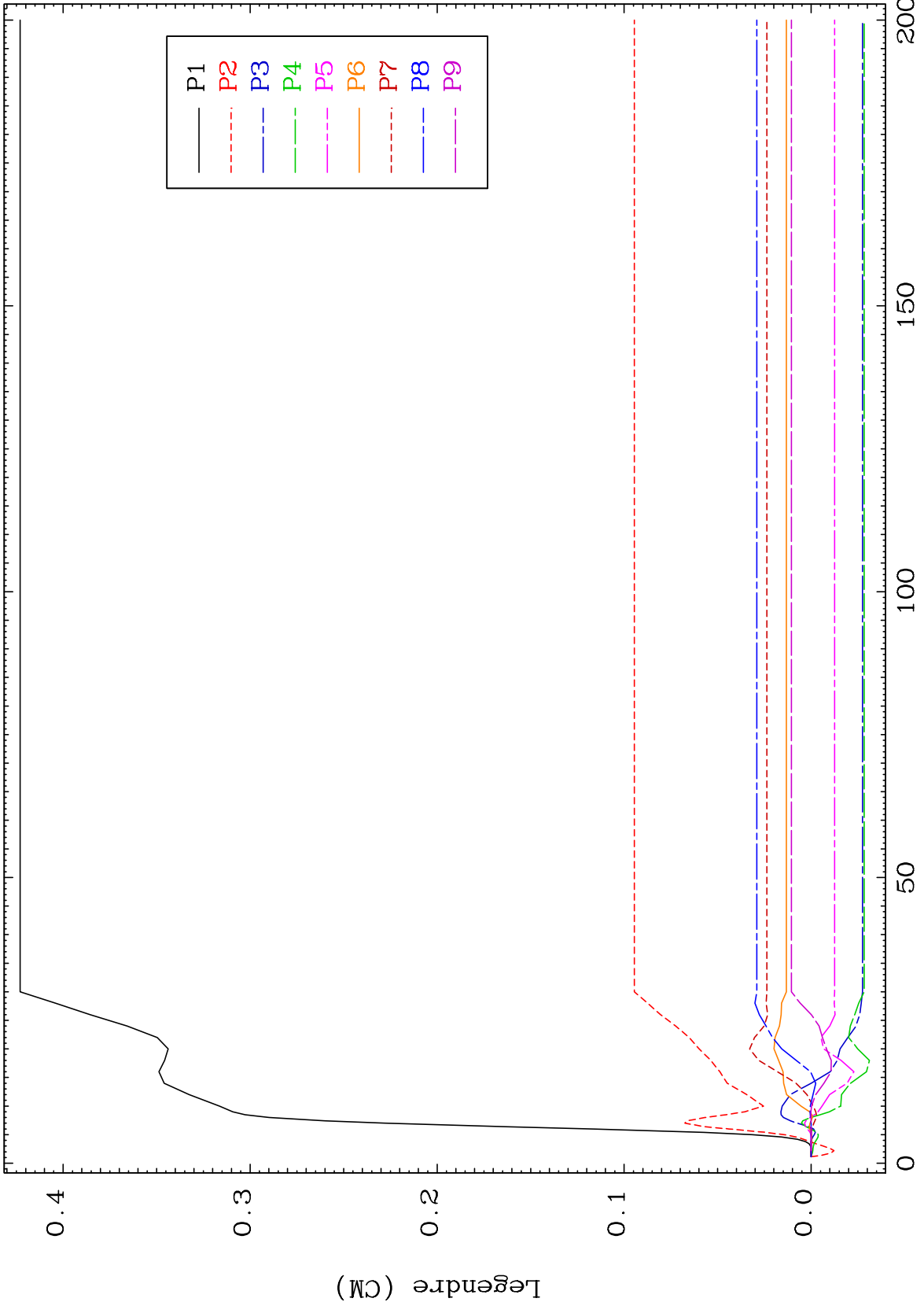
83

57-La-125

MAT 5686

MT= 67 (n,n') Level
Legendre Coefficients

57-La-125



84

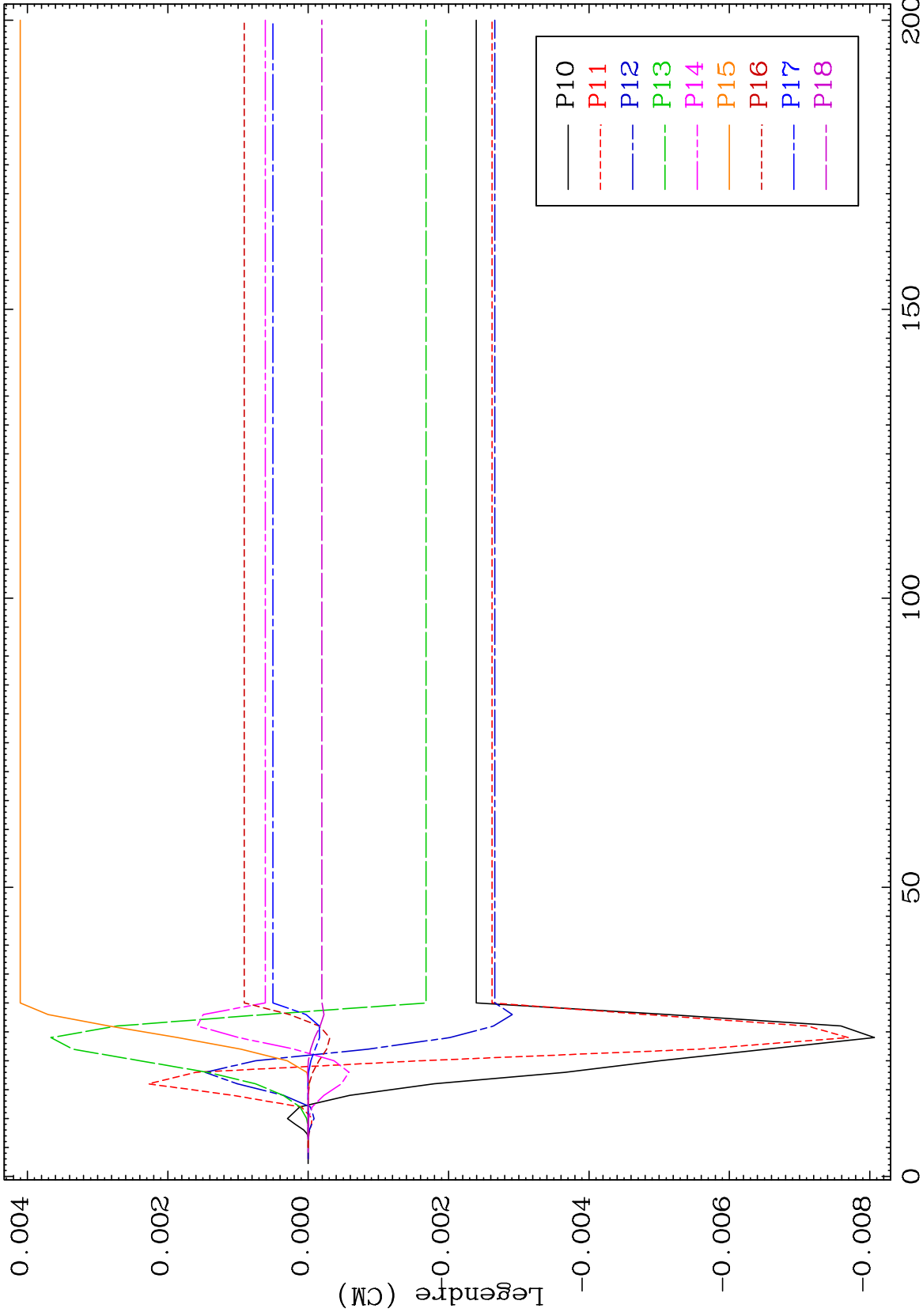
Incident Energy (MeV)

57-La-125

MAT 5686

MT= 67 (n,n') Level
Legendre Coefficients

57-La-125



85

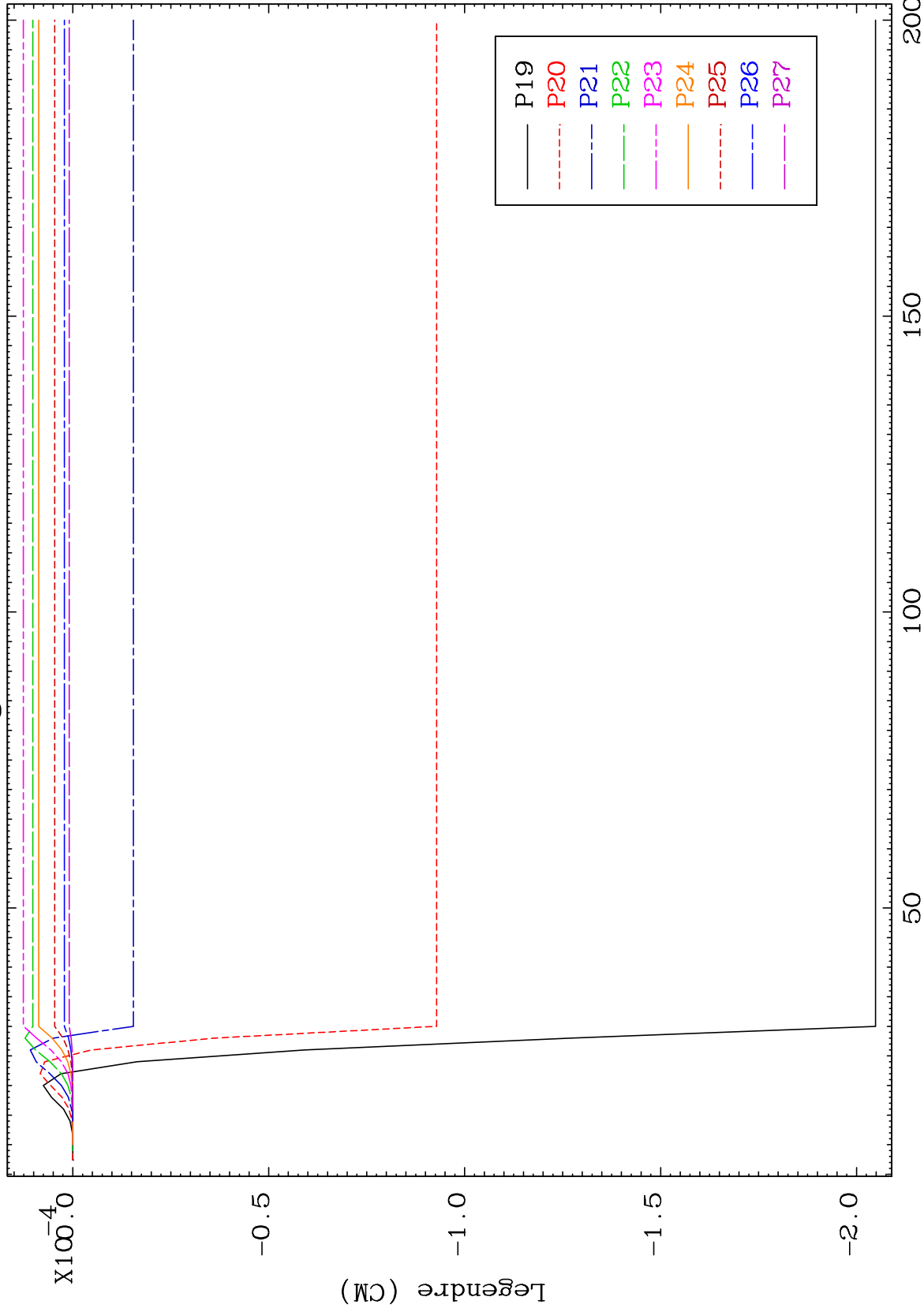
Incident Energy (MeV)

57-La-125

MAT 5686

MT= 67 (n,n') Level
Legendre Coefficients

57-La-125



86

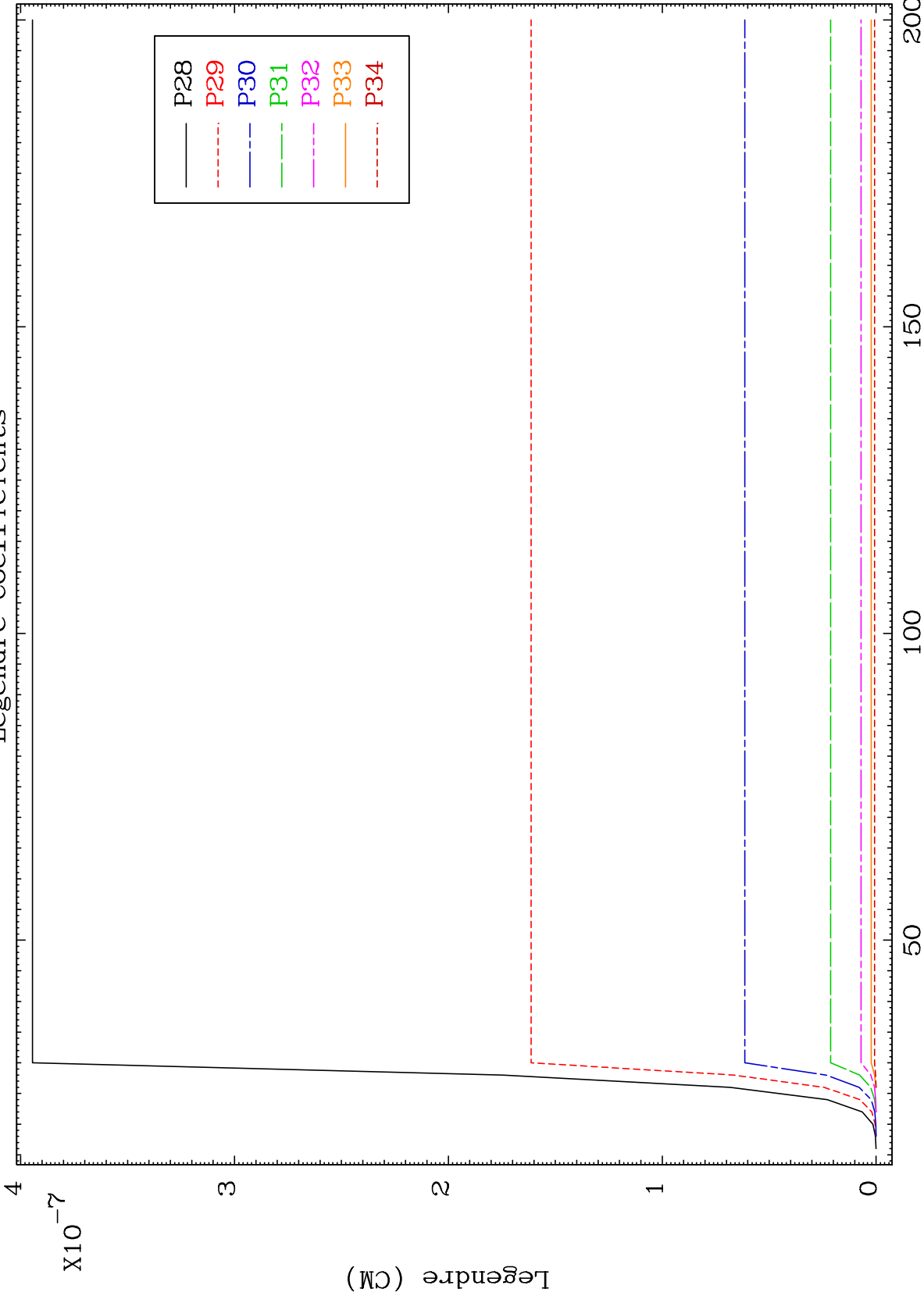
Incident Energy (MeV)

57-La-125

MAT 5686

MT= 67 (n,n') Level
Legendre Coefficients

57-La-125



87

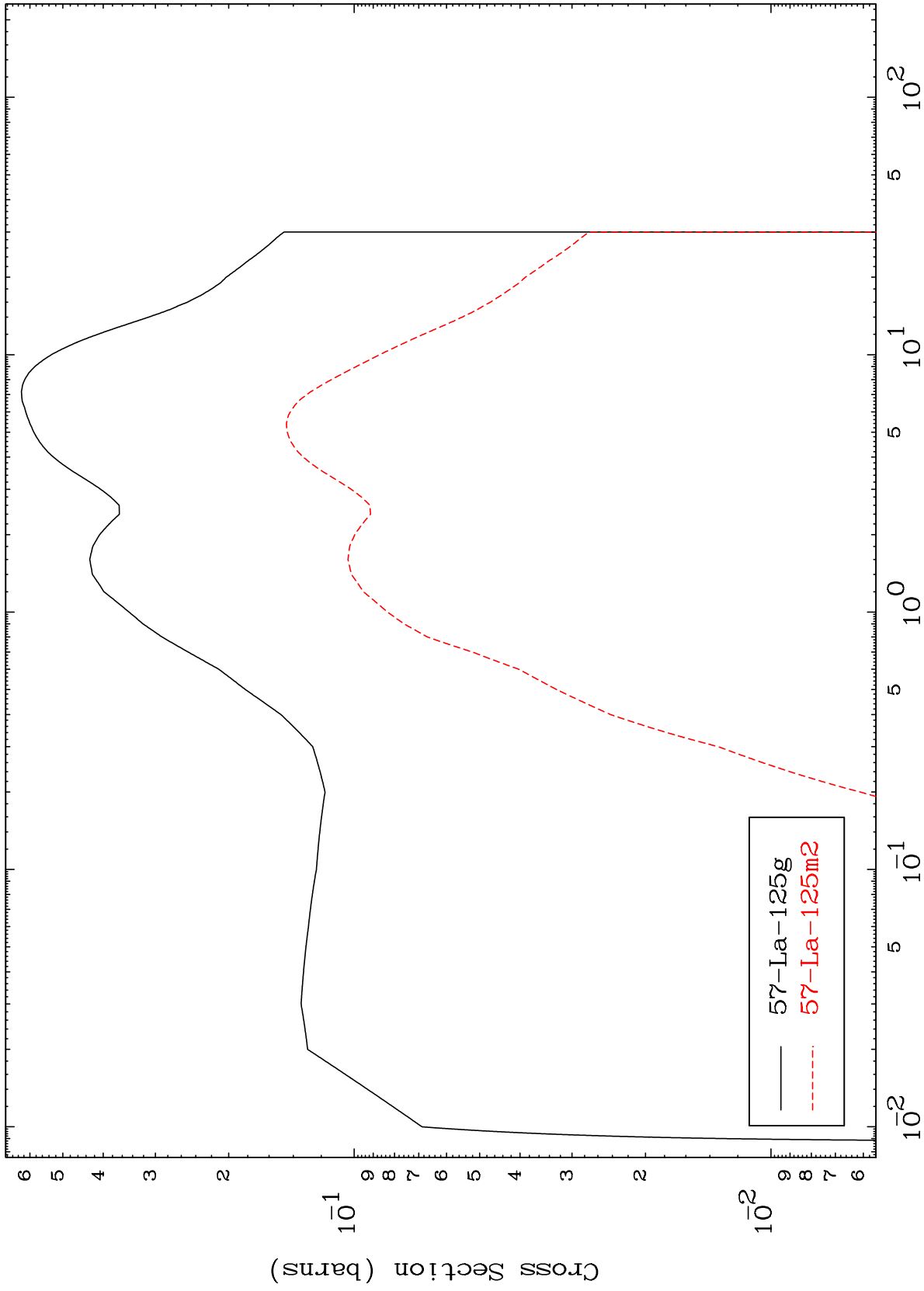
Incident Energy (MeV)

57-La-125

MAT 5686

Inelastic Radionuclide Production Cross Section

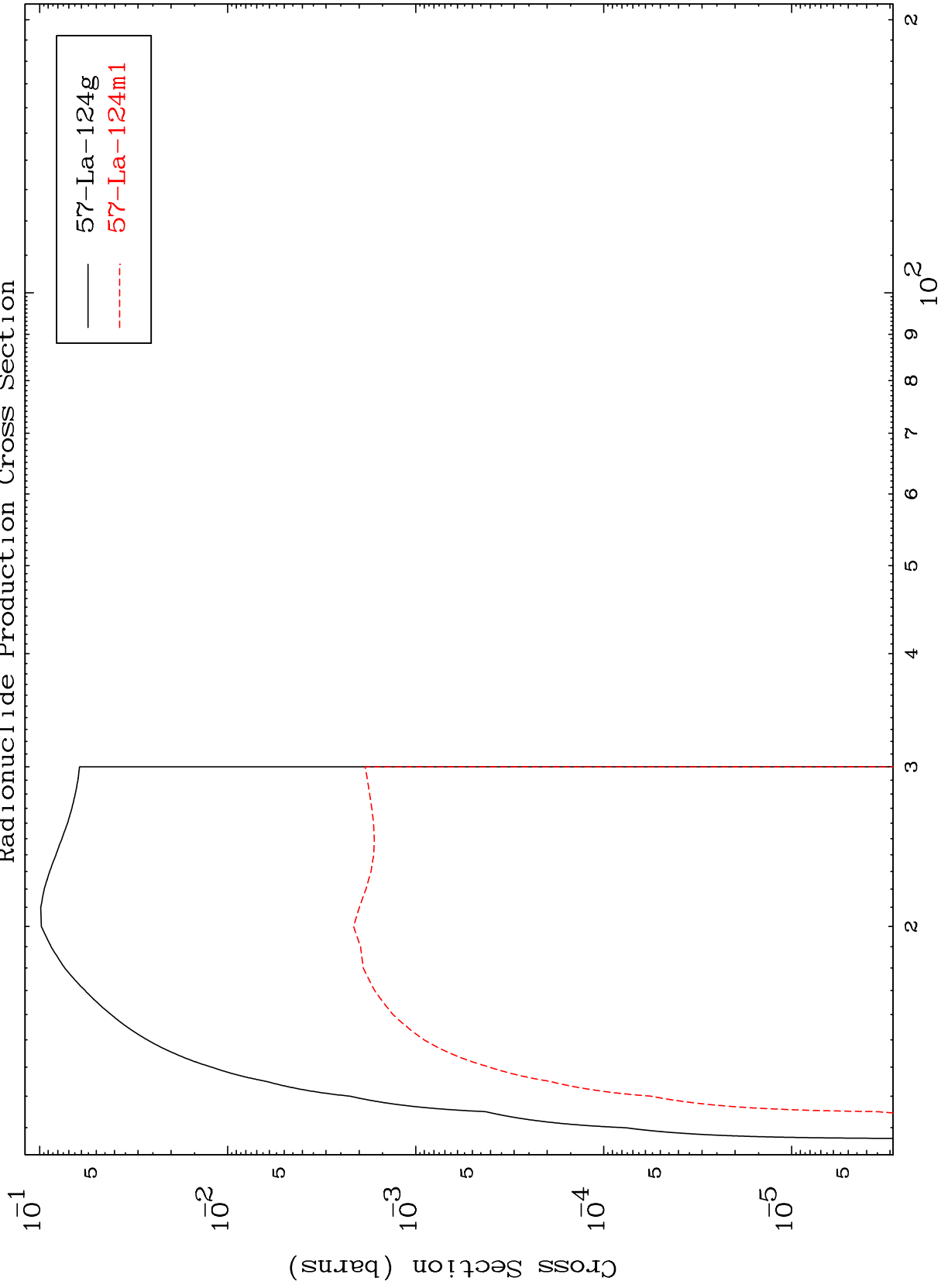
57-La-125



MAT 5686

57-La-125

(n,2n)
Radionuclide Production Cross Section



89

Incident Energy (MeV)

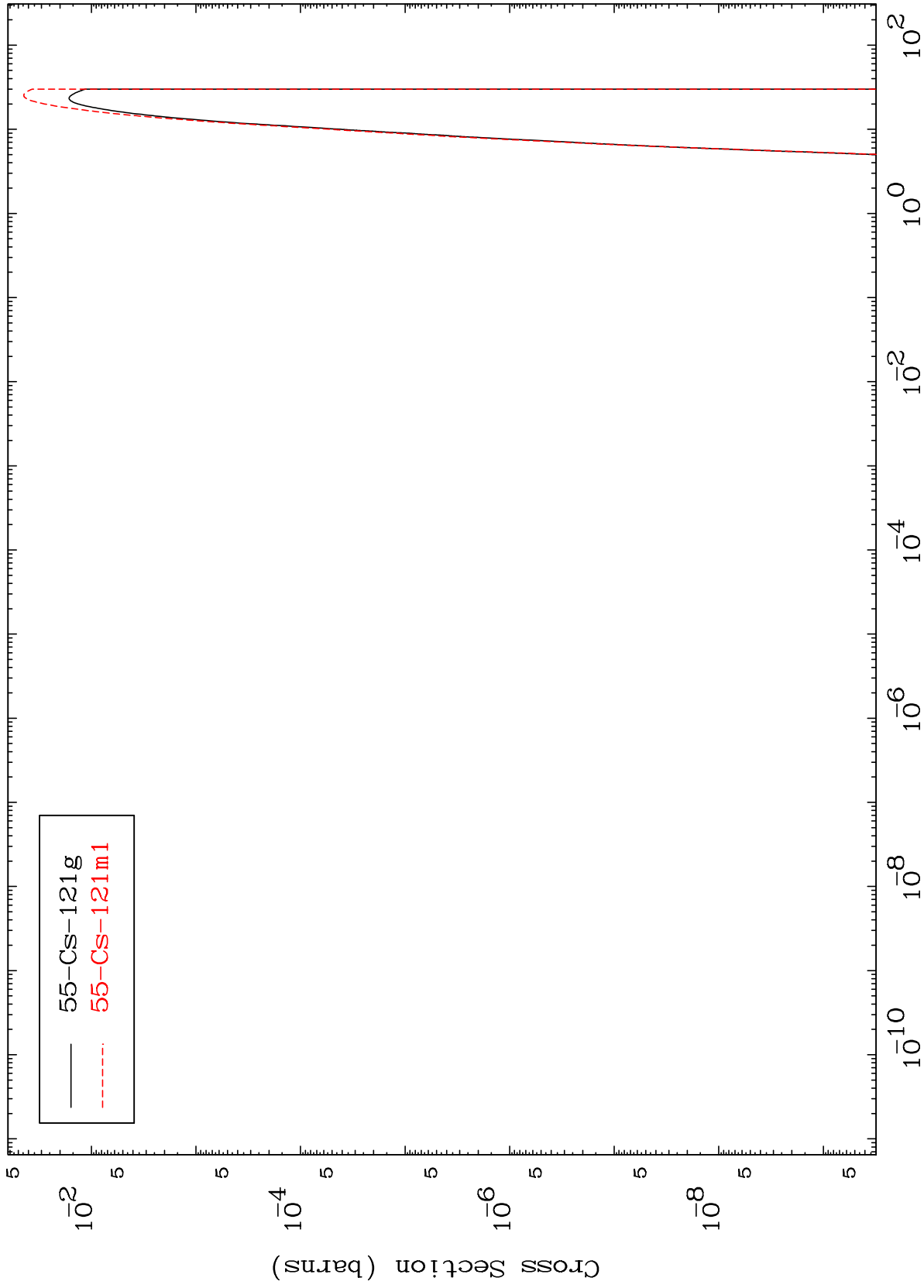
57-La-125

MAT 5686

(n,n') α

57-La-125

Radionuclide Production Cross Section



55-Cs-121g
55-Cs-121m1

90

Incident Energy (MeV)

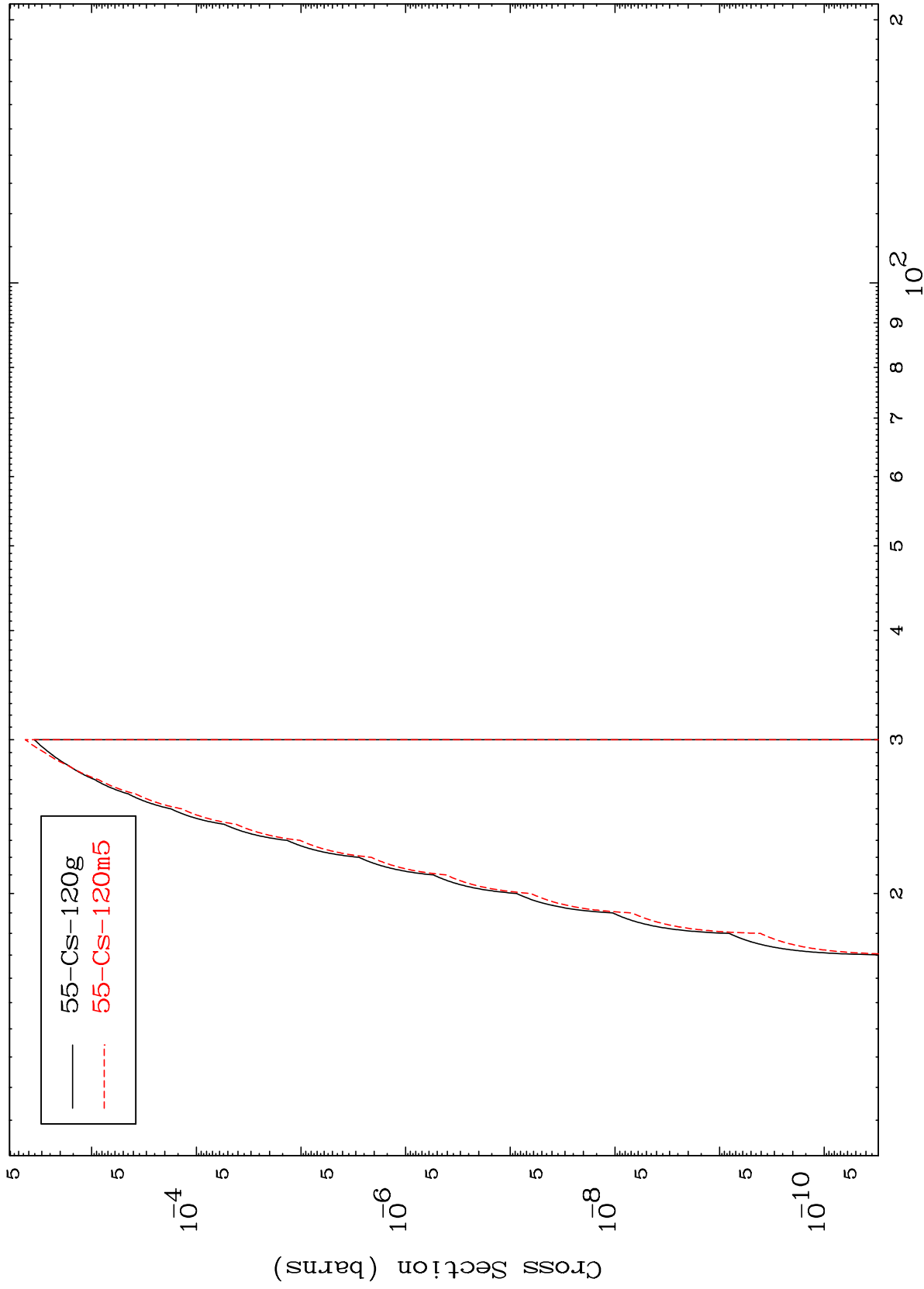
57-La-125

MAT 5686

(n,2n) α

57-La-125

Radionuclide Production Cross Section



91

Incident Energy (MeV)

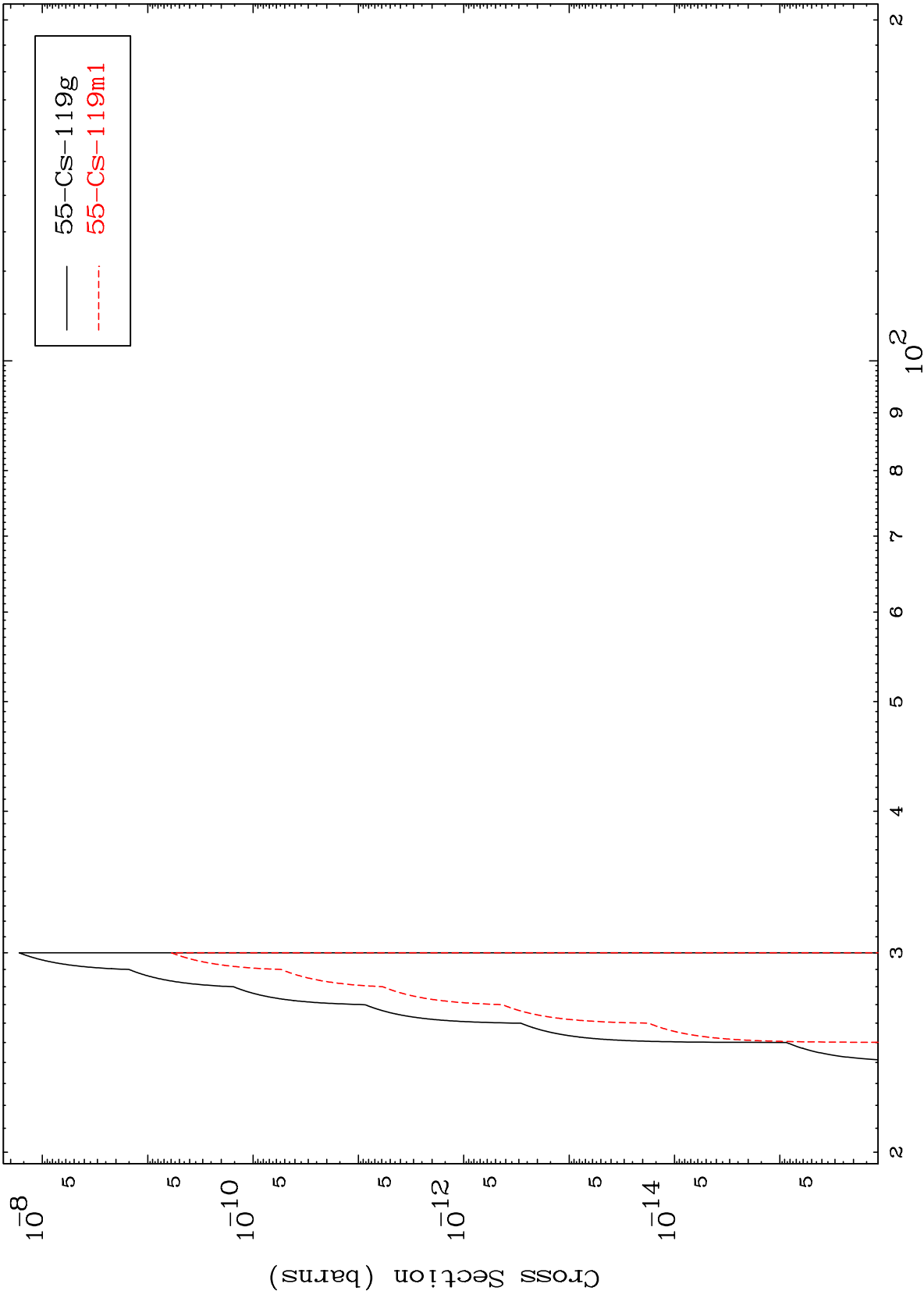
57-La-125

MAT 5686

(n,3n) α

57-La-125

Radionuclide Production Cross Section



92

Incident Energy (MeV)

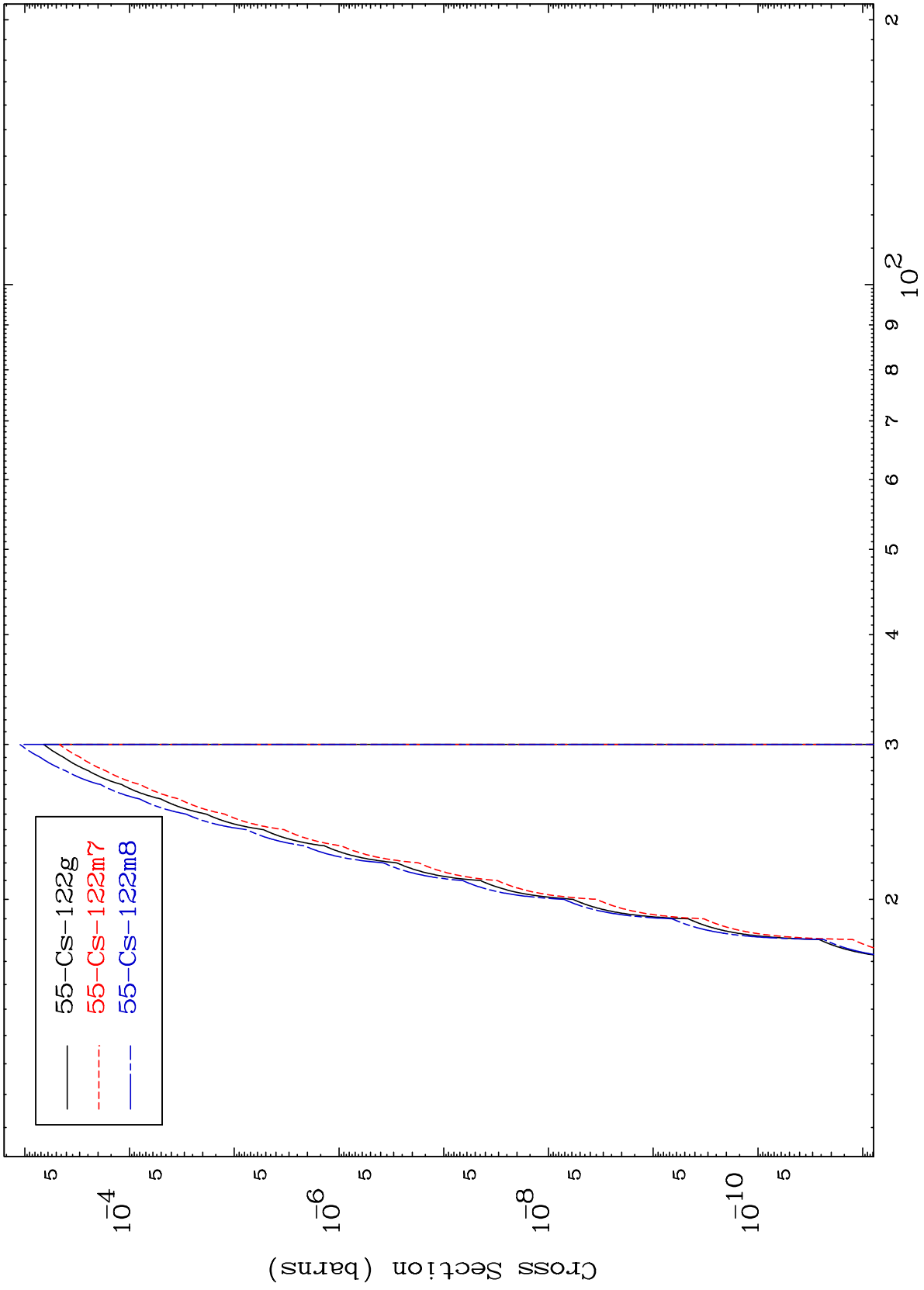
57-La-125

MAT 5686

(n, n') He-3

57-La-125

Radionuclide Production Cross Section



93

Incident Energy (MeV)

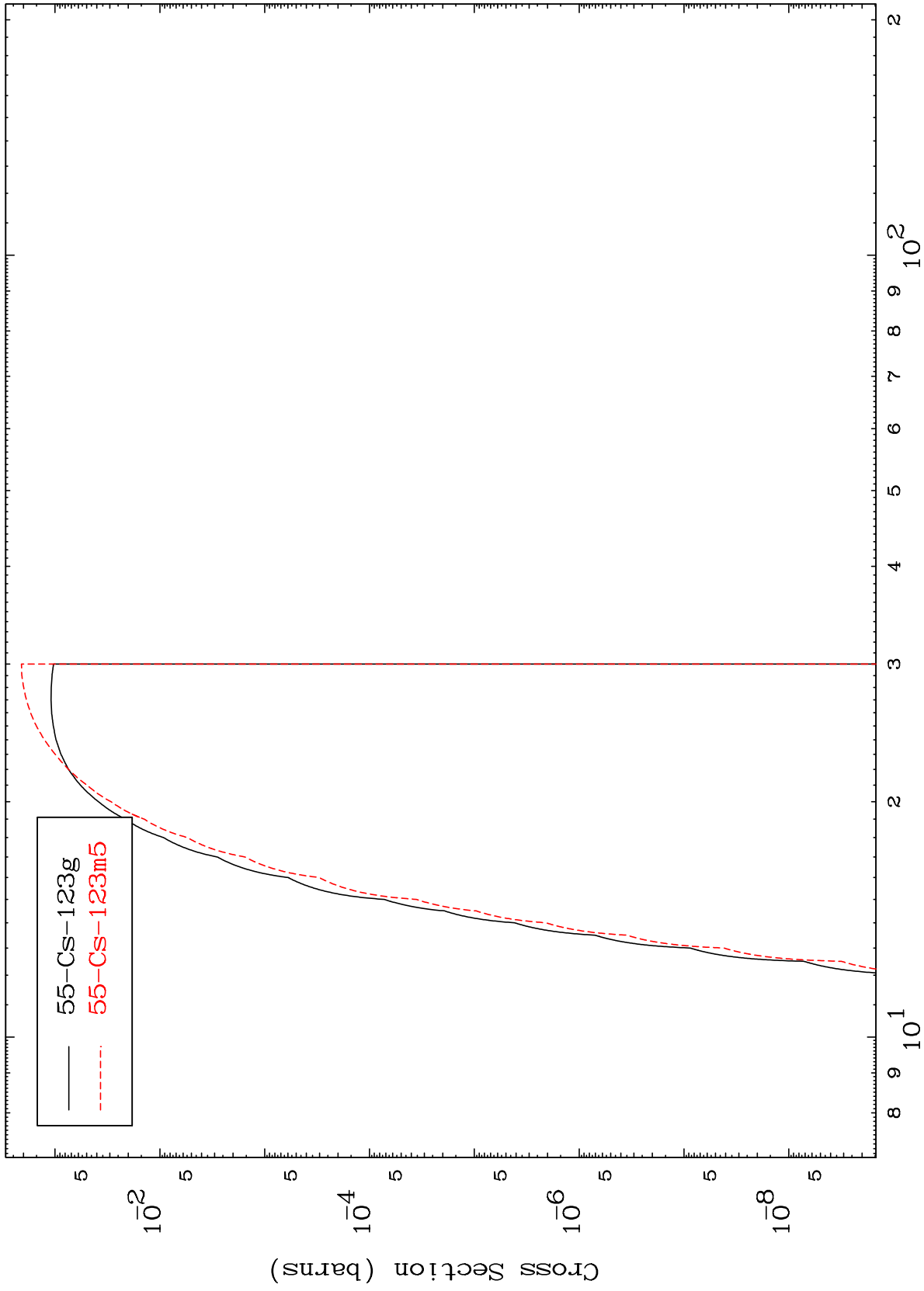
57-La-125

MAT 5686

(n,2n) p

57-La-125

Radionuclide Production Cross Section



94

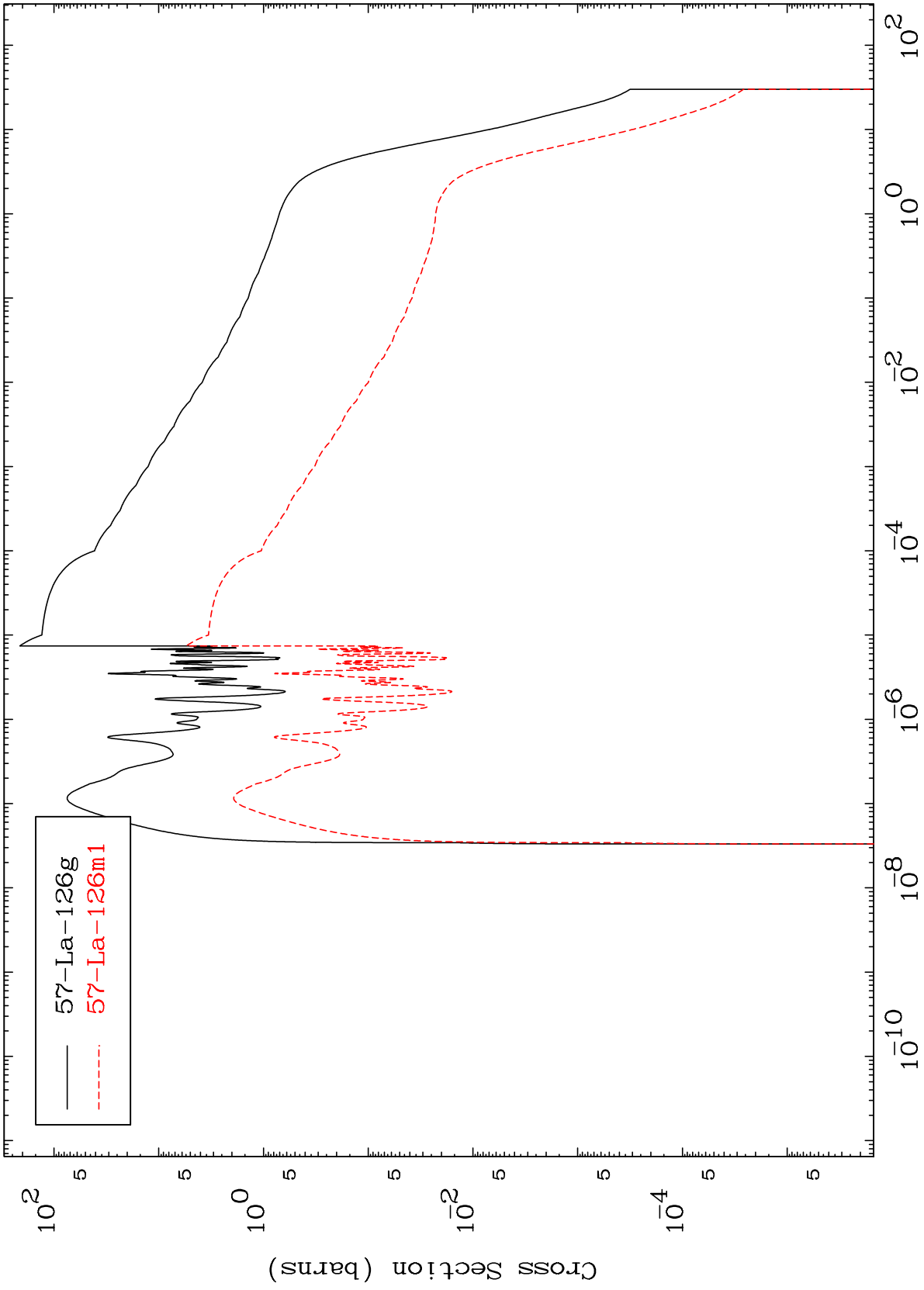
Incident Energy (MeV)

57-La-125

MAT 5686

⁵⁷La-125

Radionuclide Production Cross Section (n,γ)



95

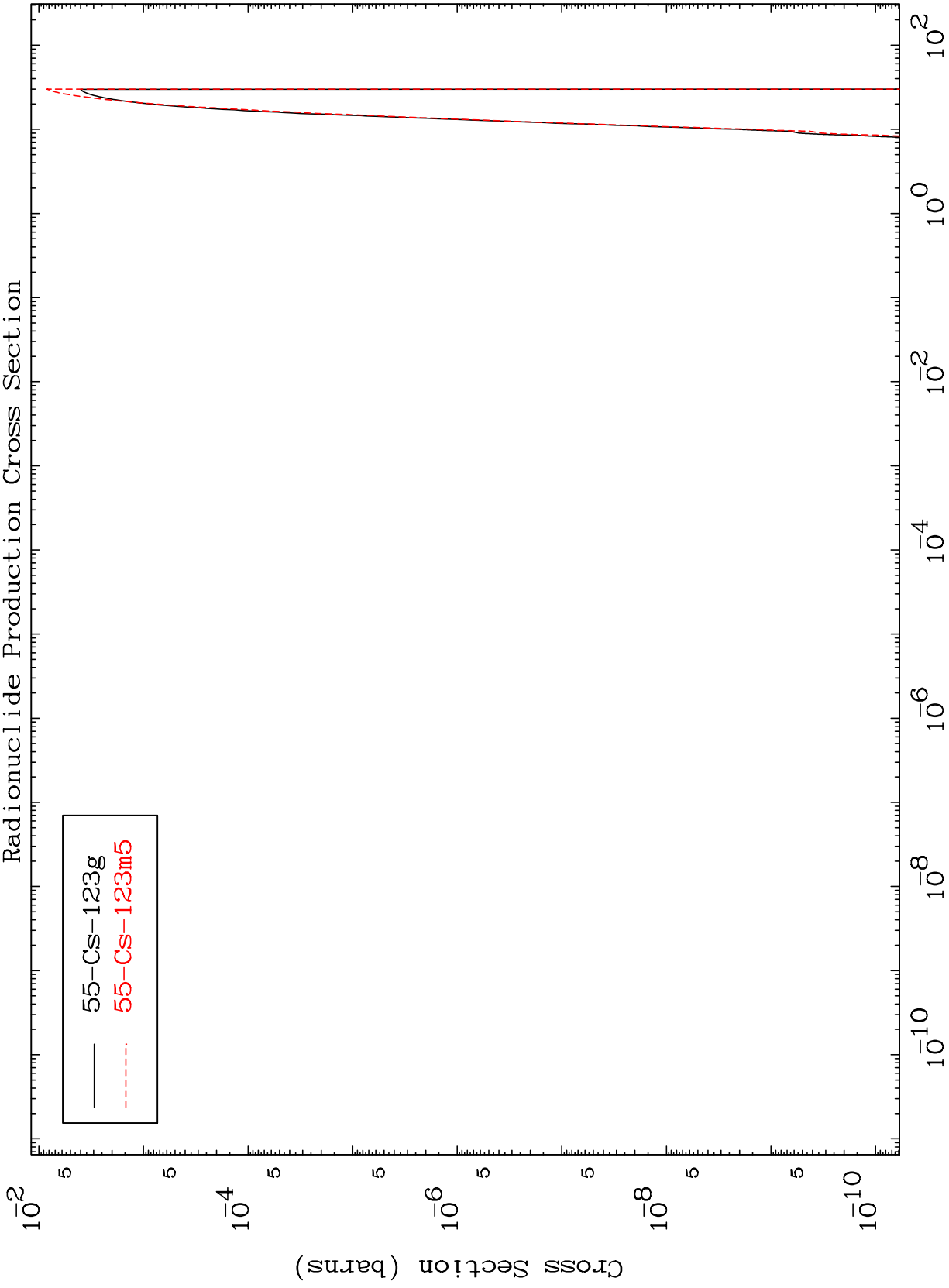
⁵⁷La-125

MAT 5686

(n, He-3)

57-La-125

Radionuclide Production Cross Section

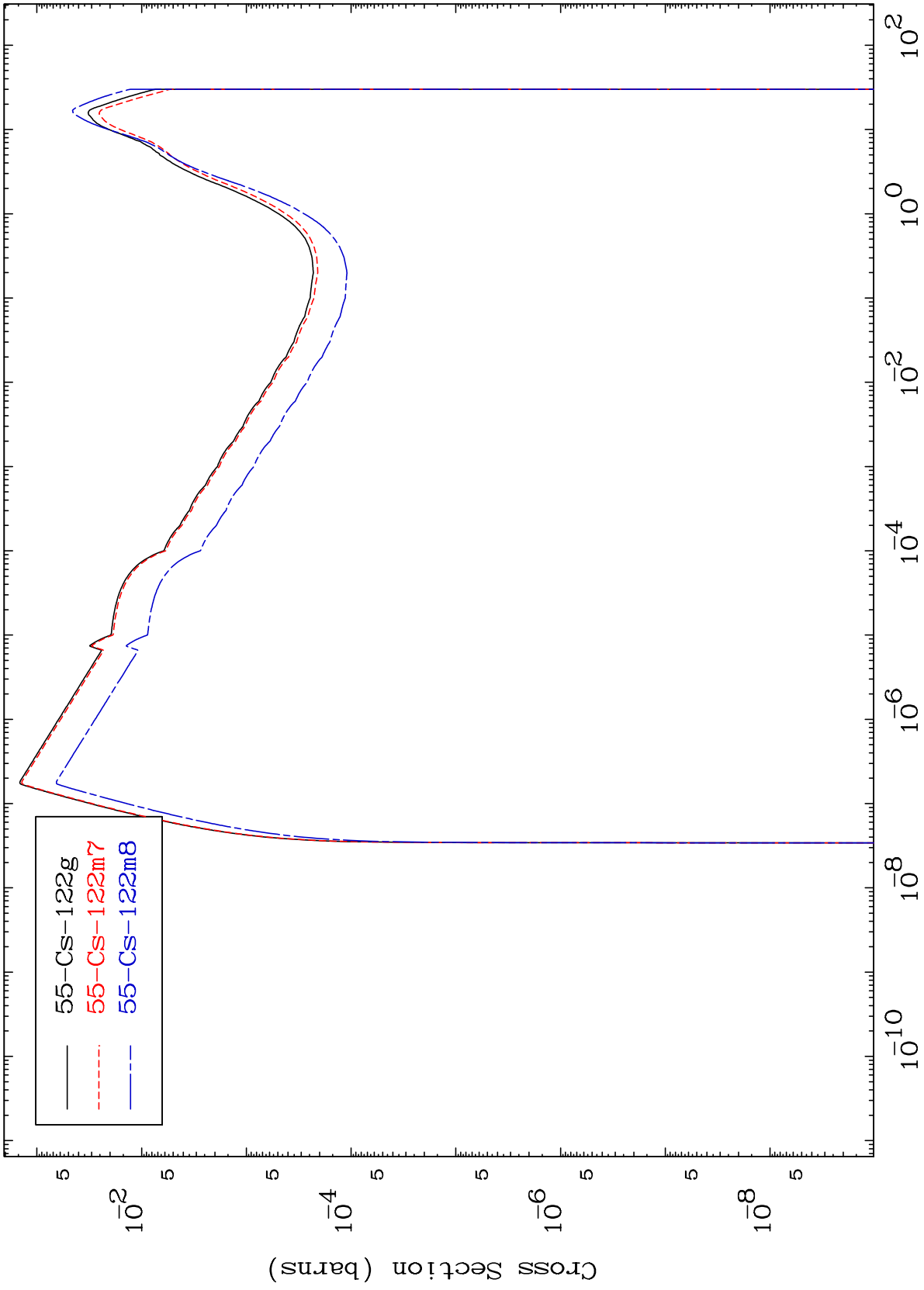


55-Cs-123g
55-Cs-123m5

MAT 5686

57-La-125

Radionuclide Production Cross Section



97

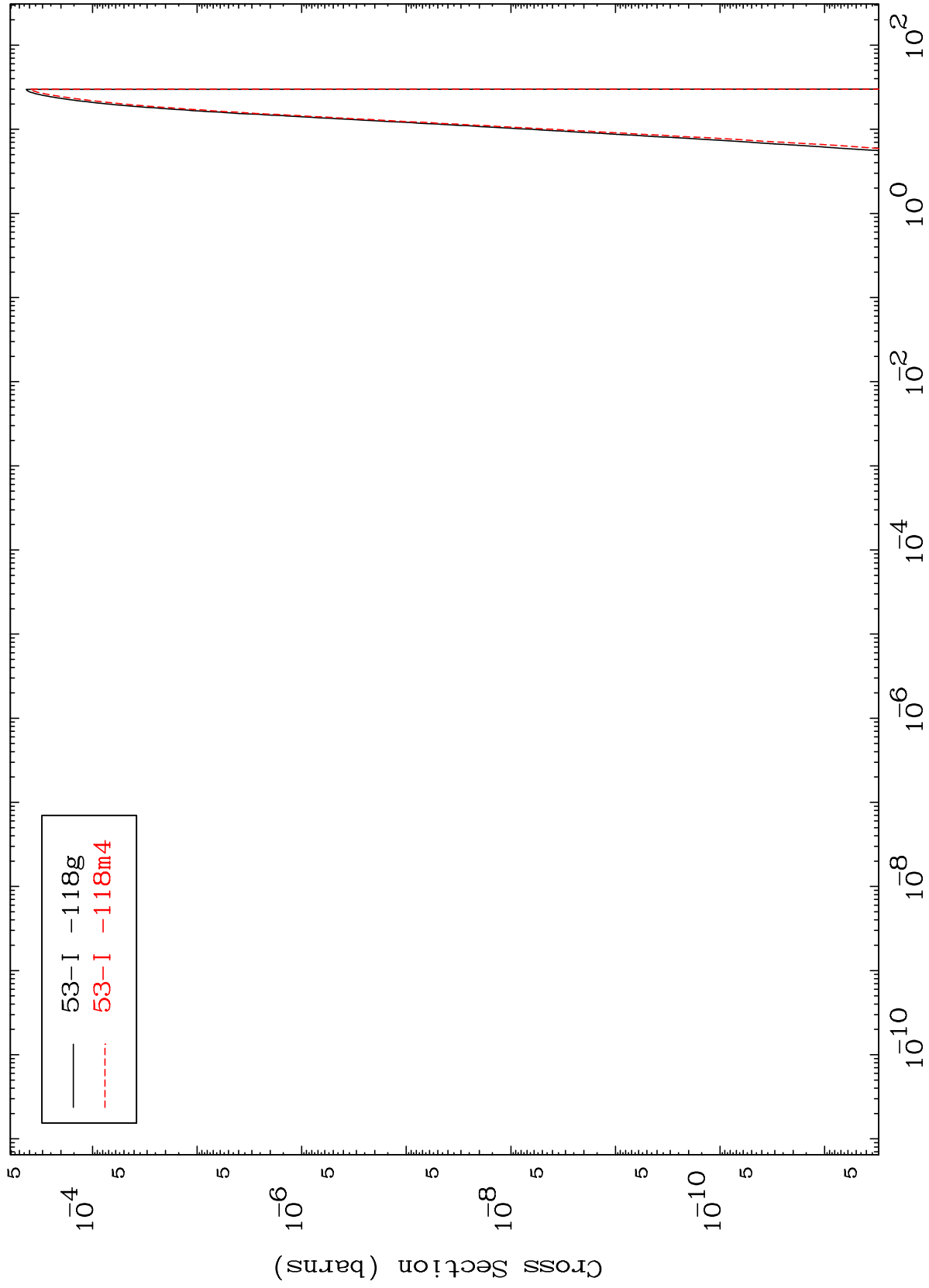
57-La-125

MAT 5686

(n,2α)

57-La-125

Radionuclide Production Cross Section



98

Incident Energy (MeV)

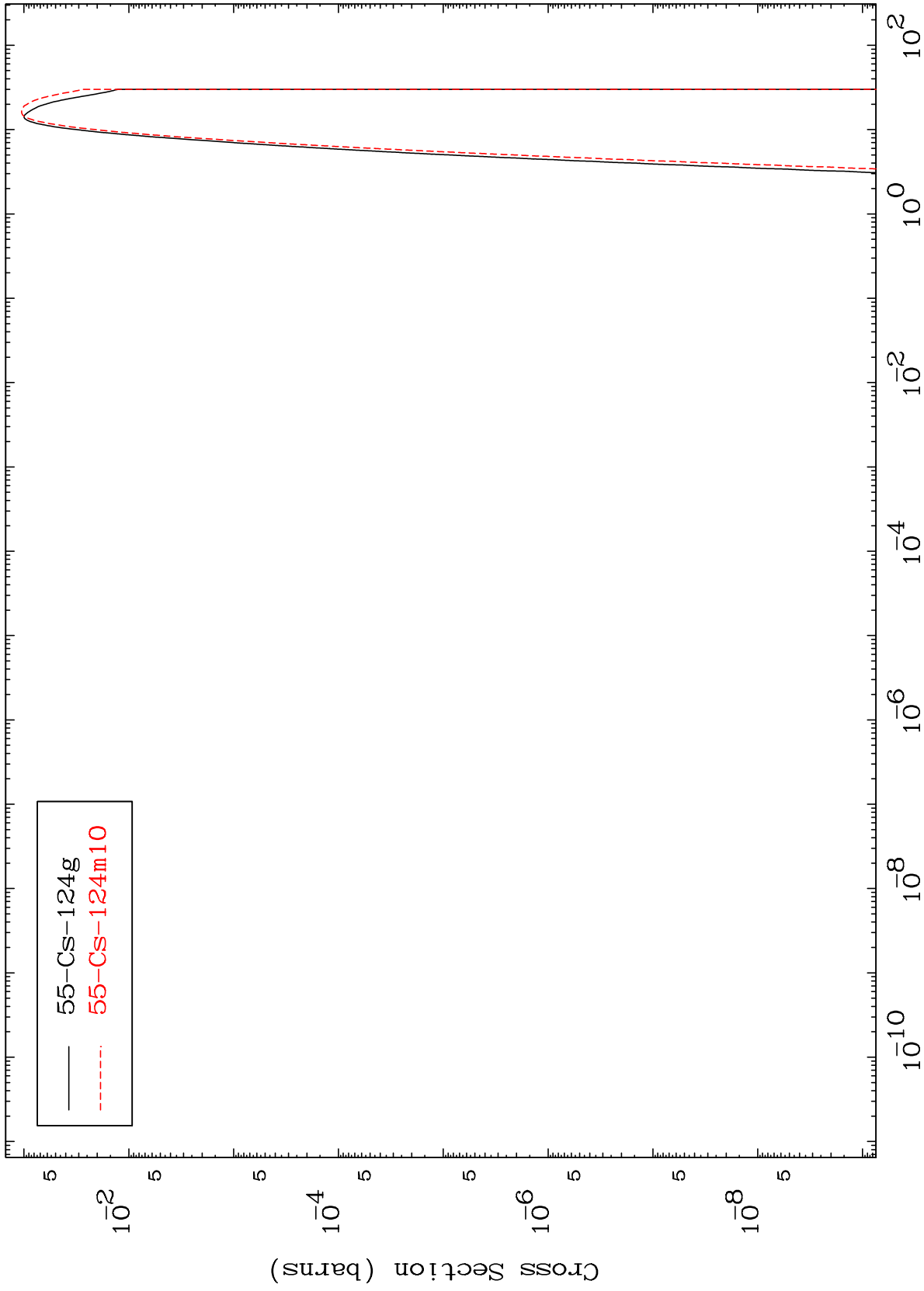
57-La-125

MAT 5686

(n,2p)

⁵⁷La-125

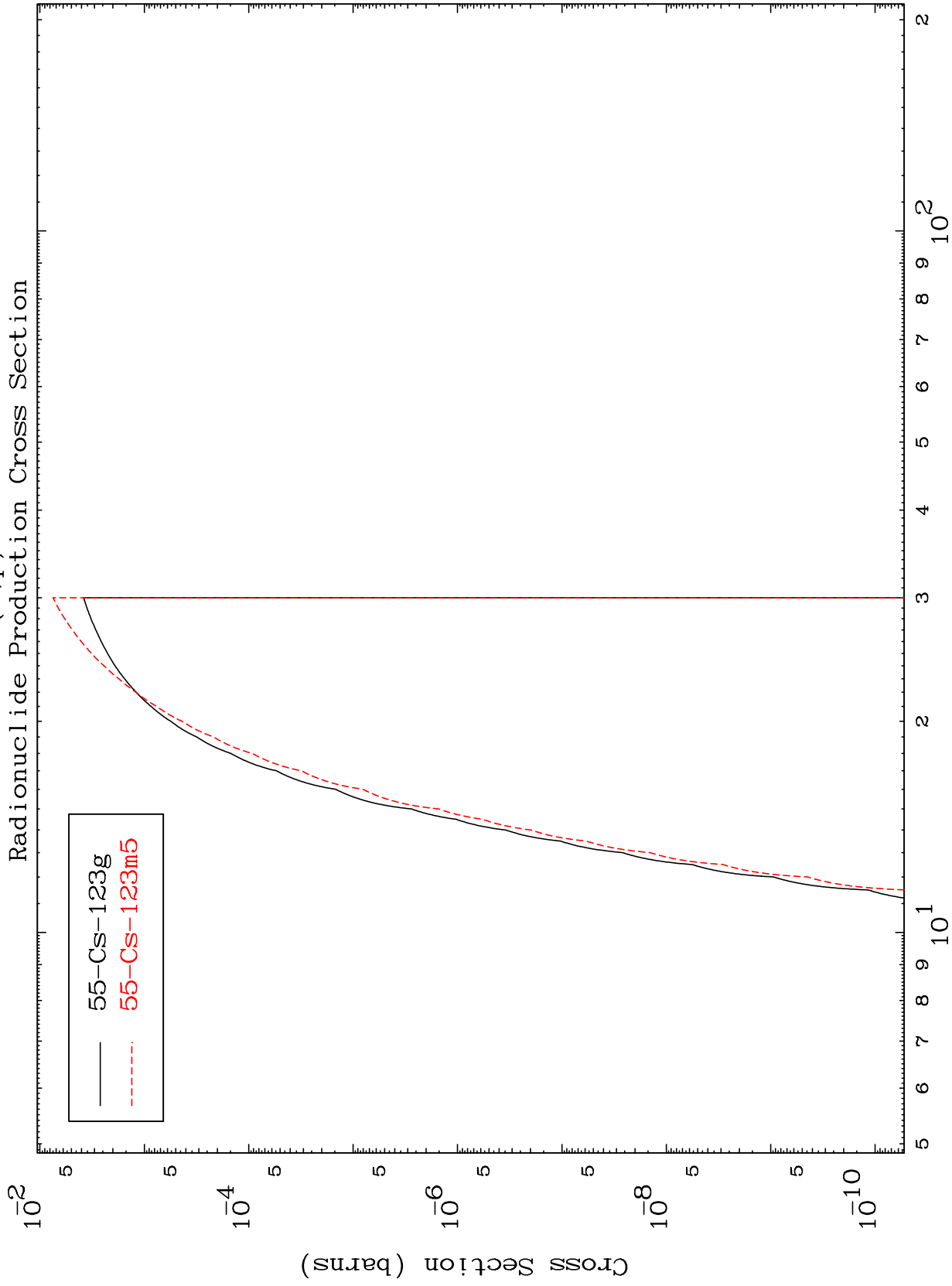
Radionuclide Production Cross Section



MAT 5686

(n,p) d

57-La-125



100

Incident Energy (MeV)

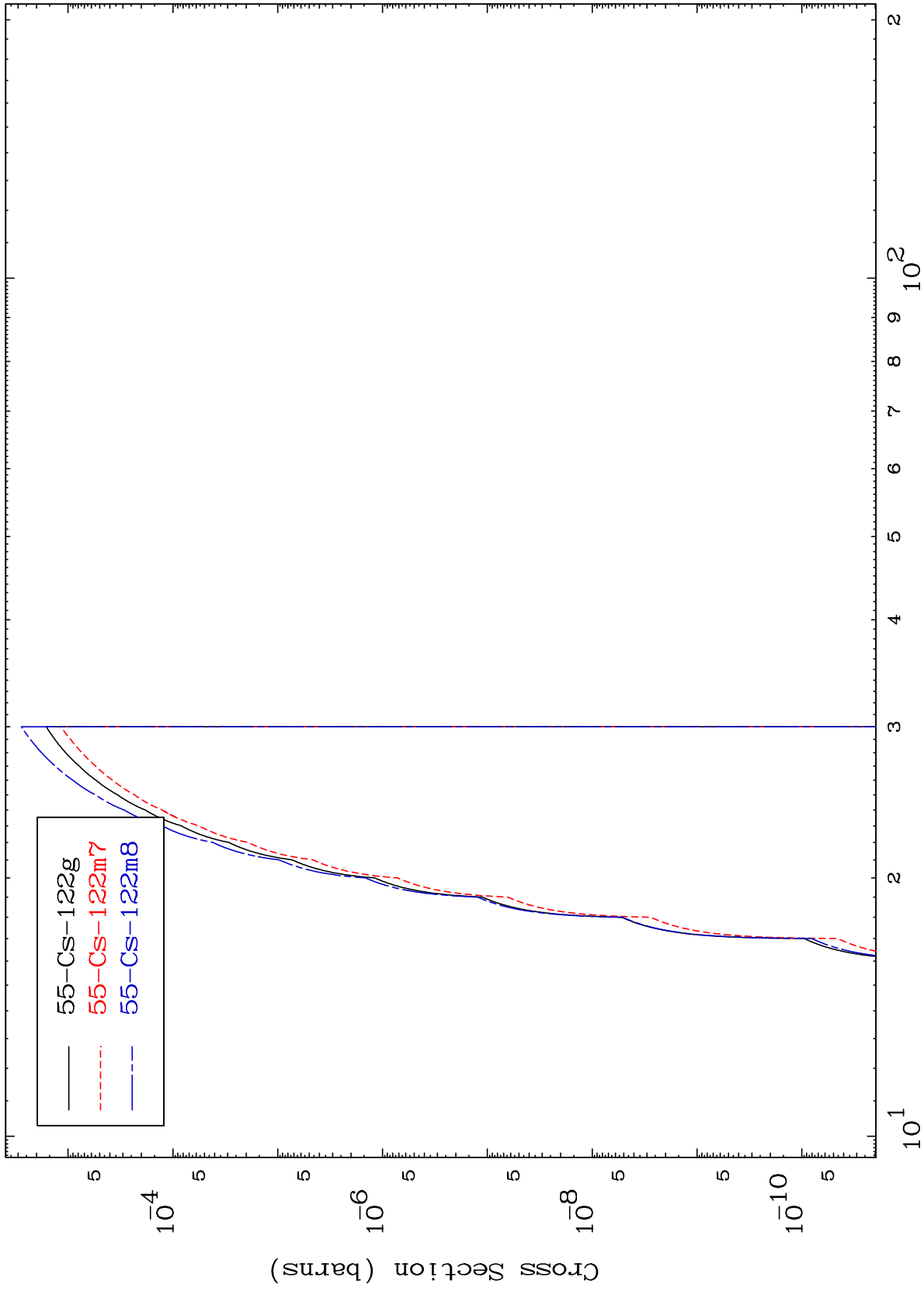
57-La-125

MAT 5686

(n,p) t

57-La-125

Radionuclide Production Cross Section



Incident Energy (MeV)

57-La-125