

Program EVALPLOT
(Version 2018-1)

by

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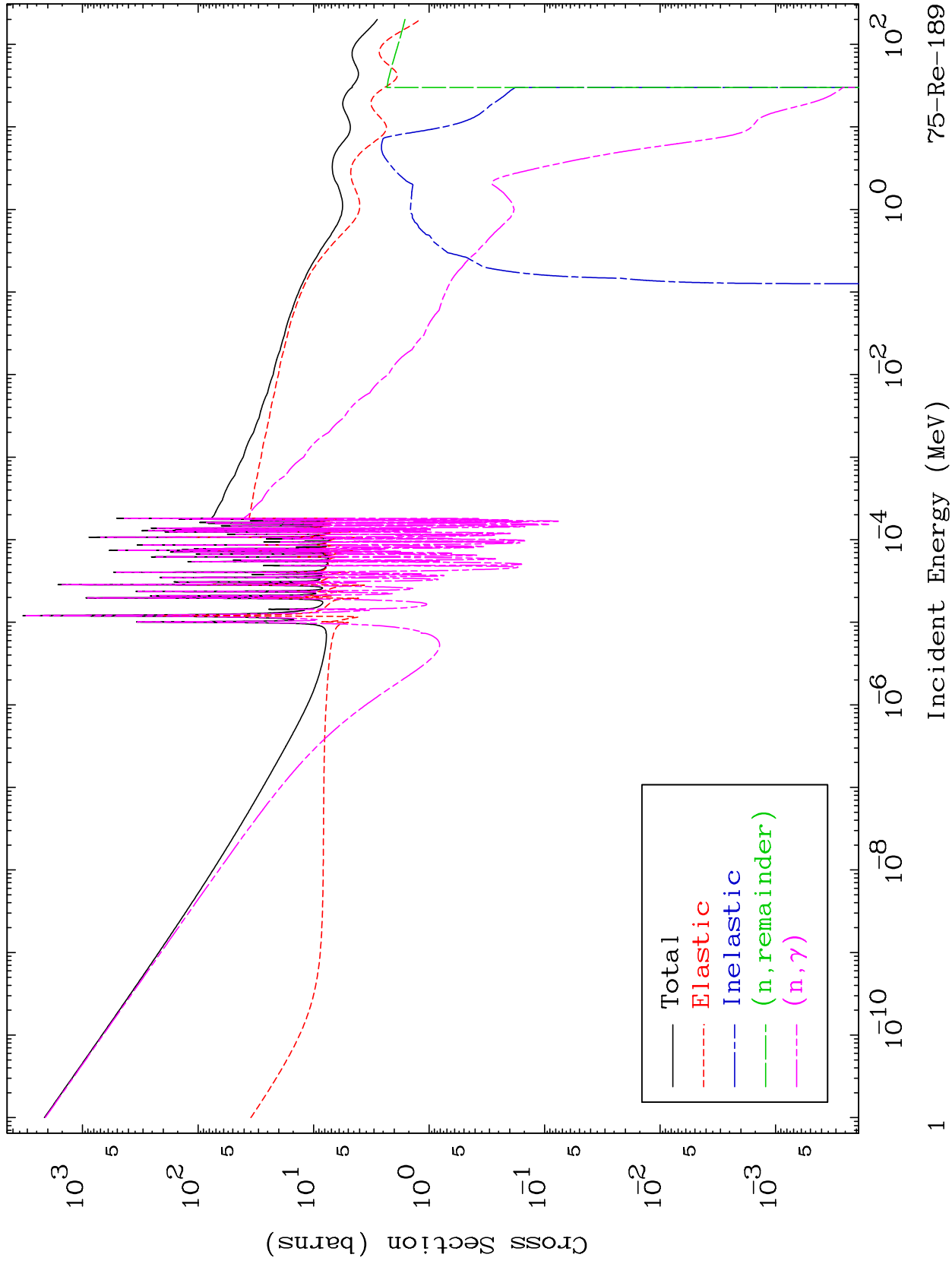
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7537

Major
293 Kelvin Cross Sections

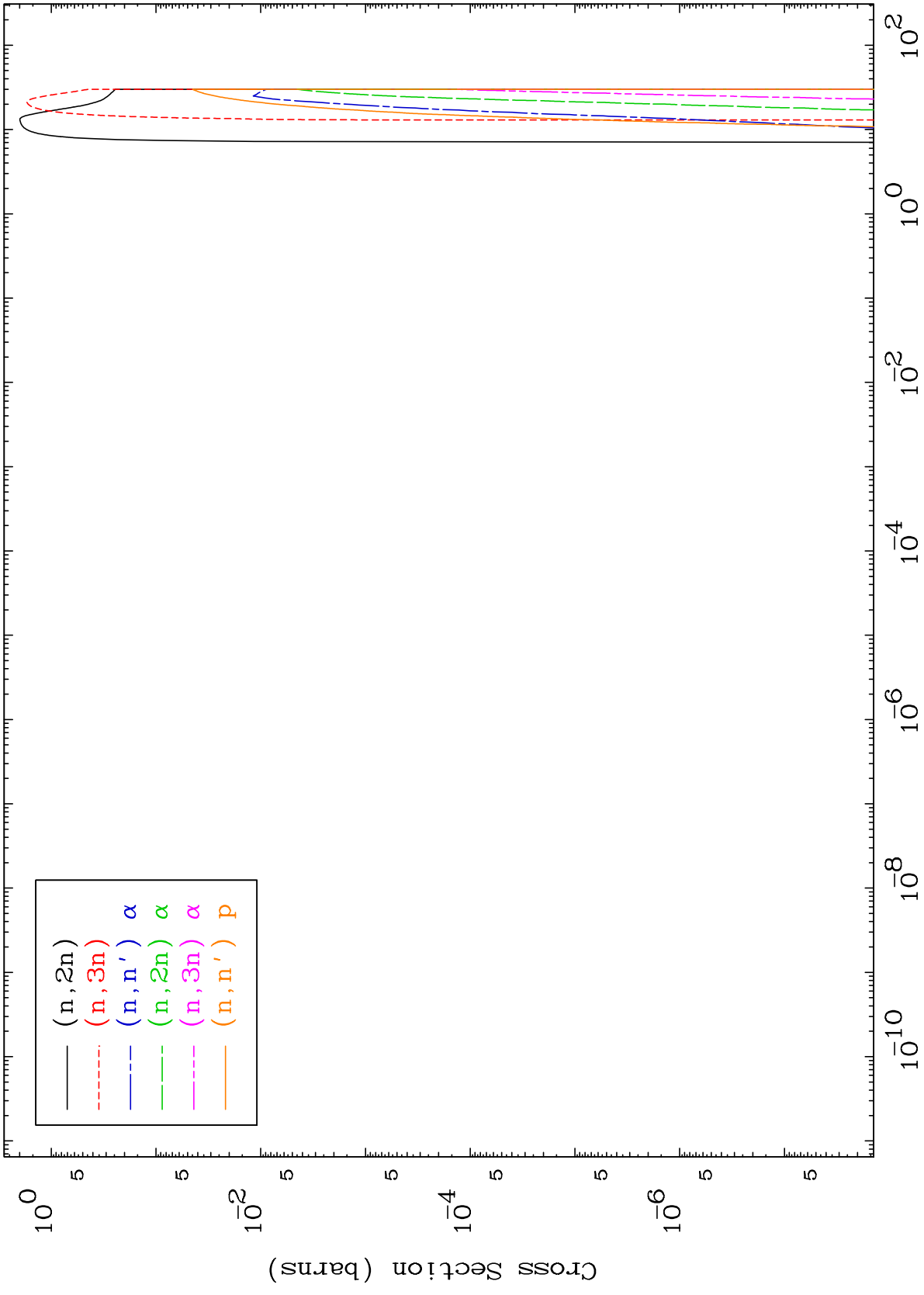
75-Re-189



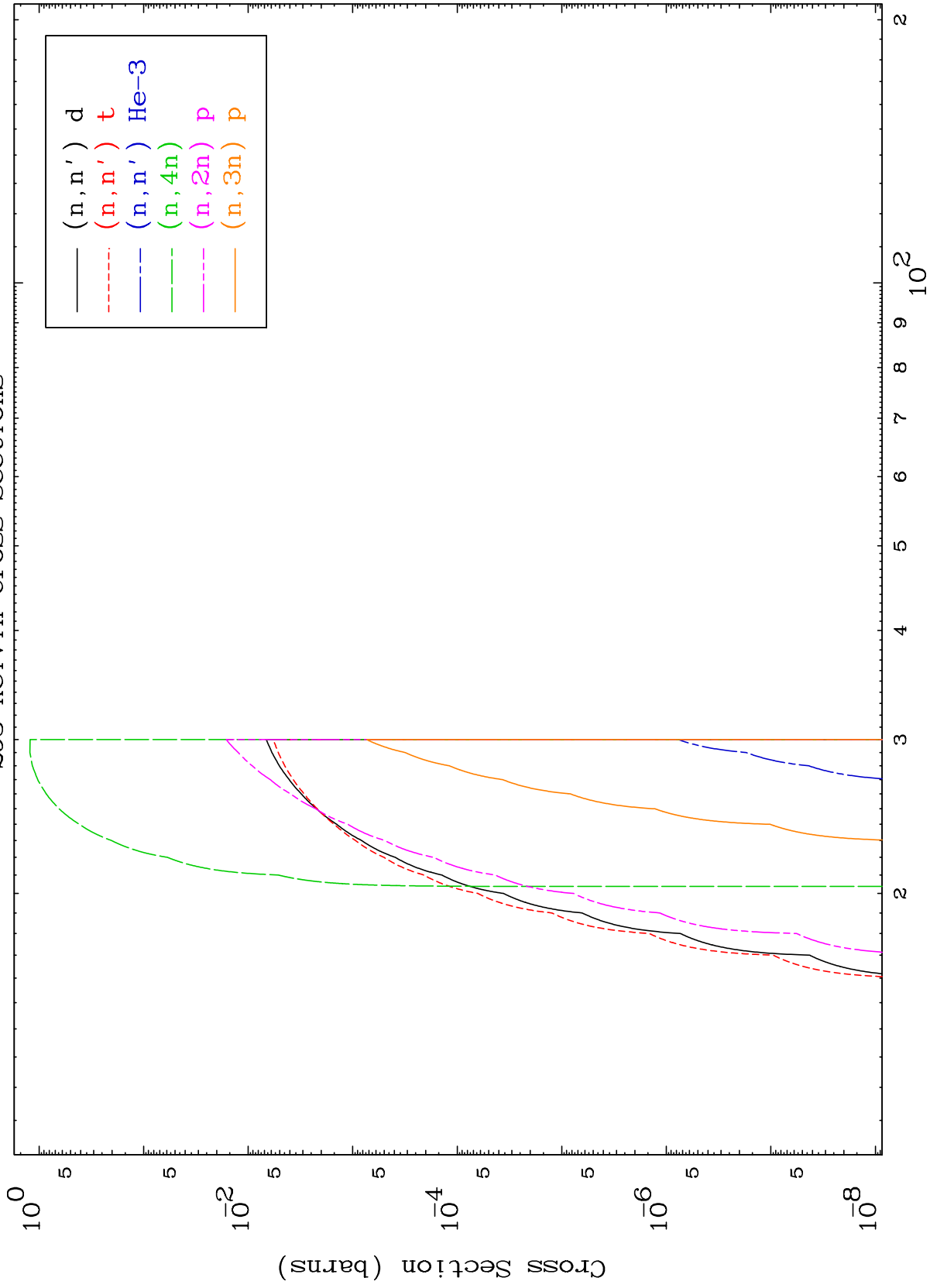
MAT 7537

Neutron Production
293 Kelvin Cross Sections

75-Re-189



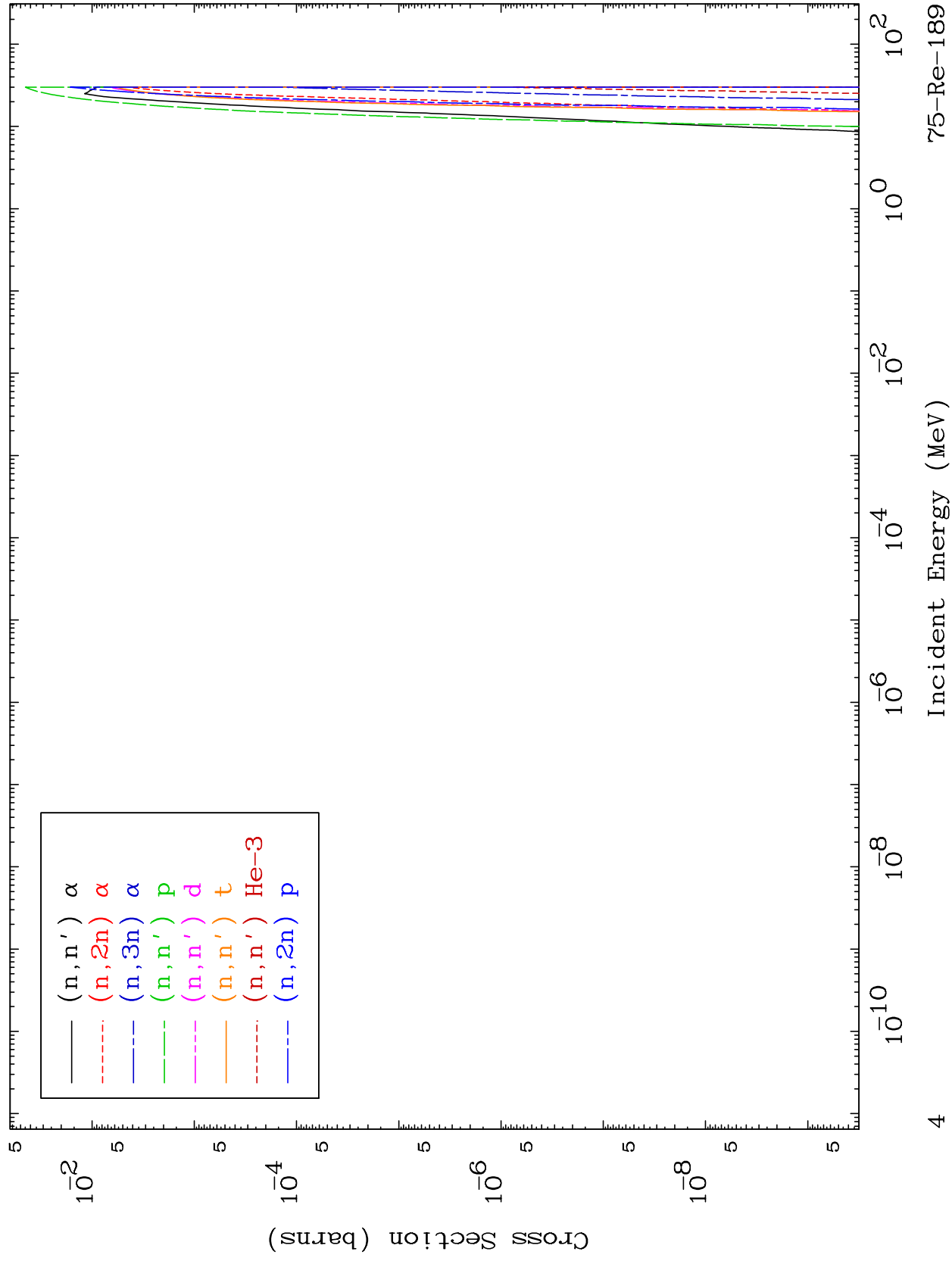
75-Re-189



MAT 7537

Charged Particle
293 Kelvin Cross Sections

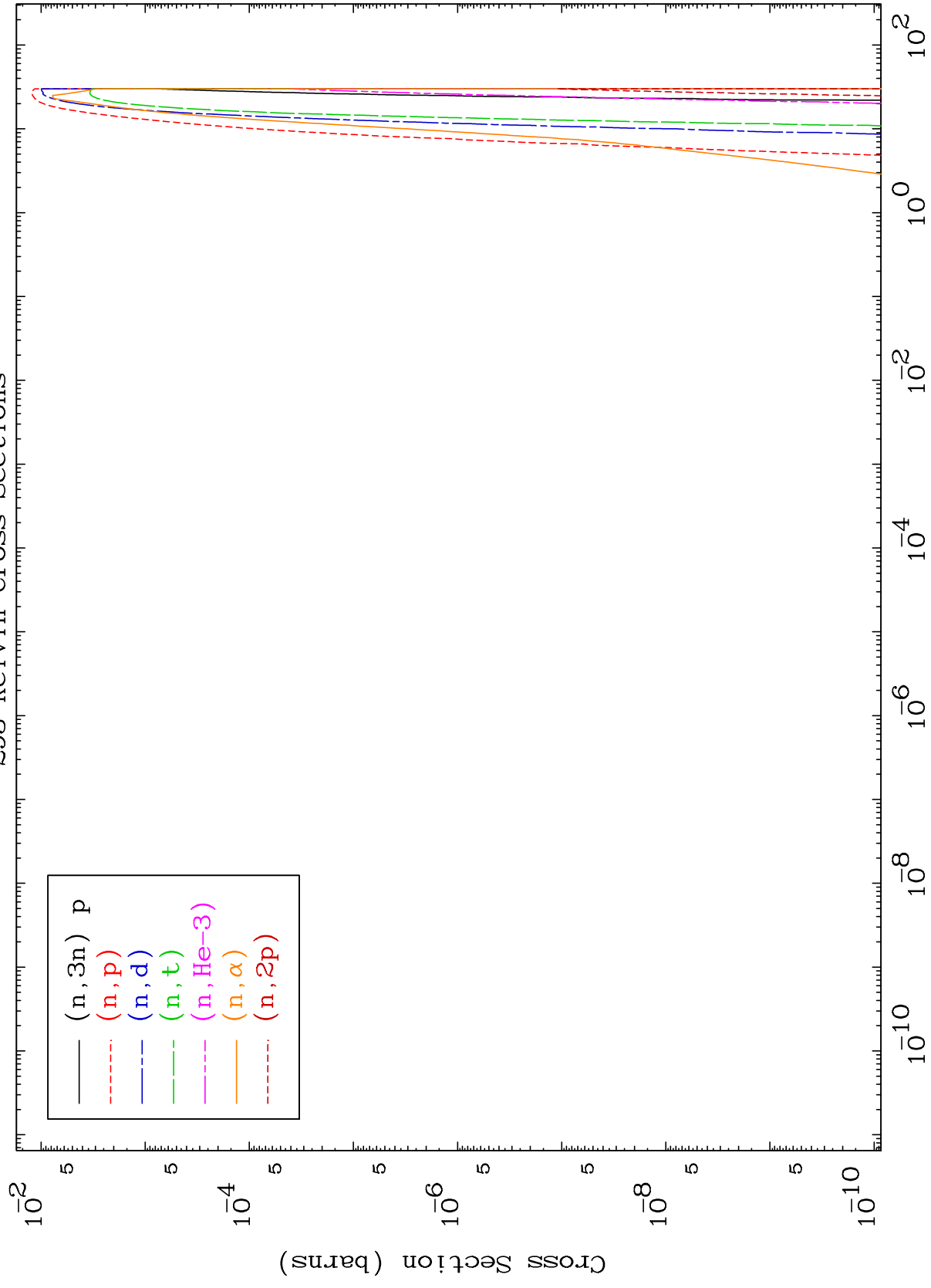
75-Re-189



MAT 7537

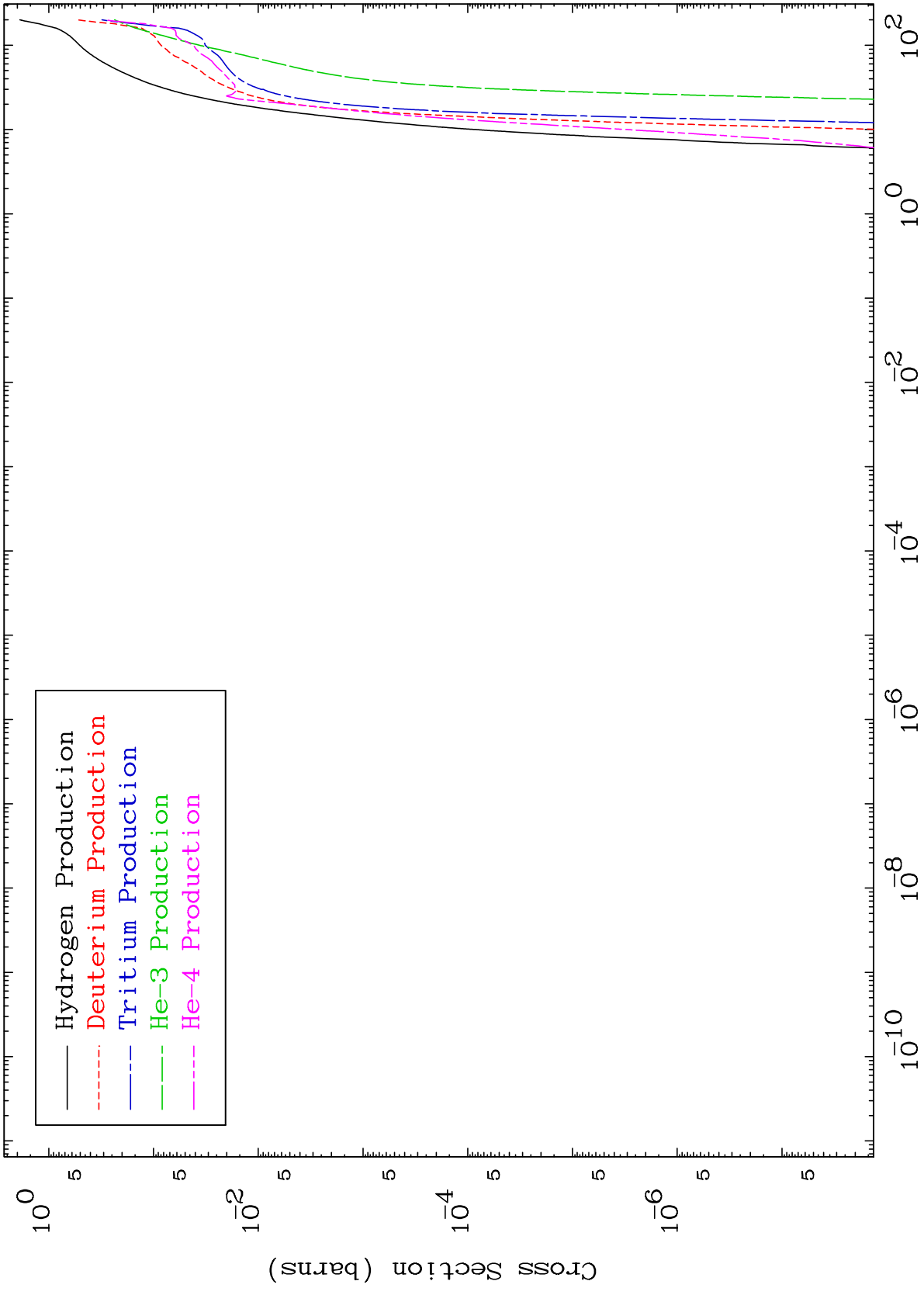
Charged Particle
293 Kelvin Cross Sections

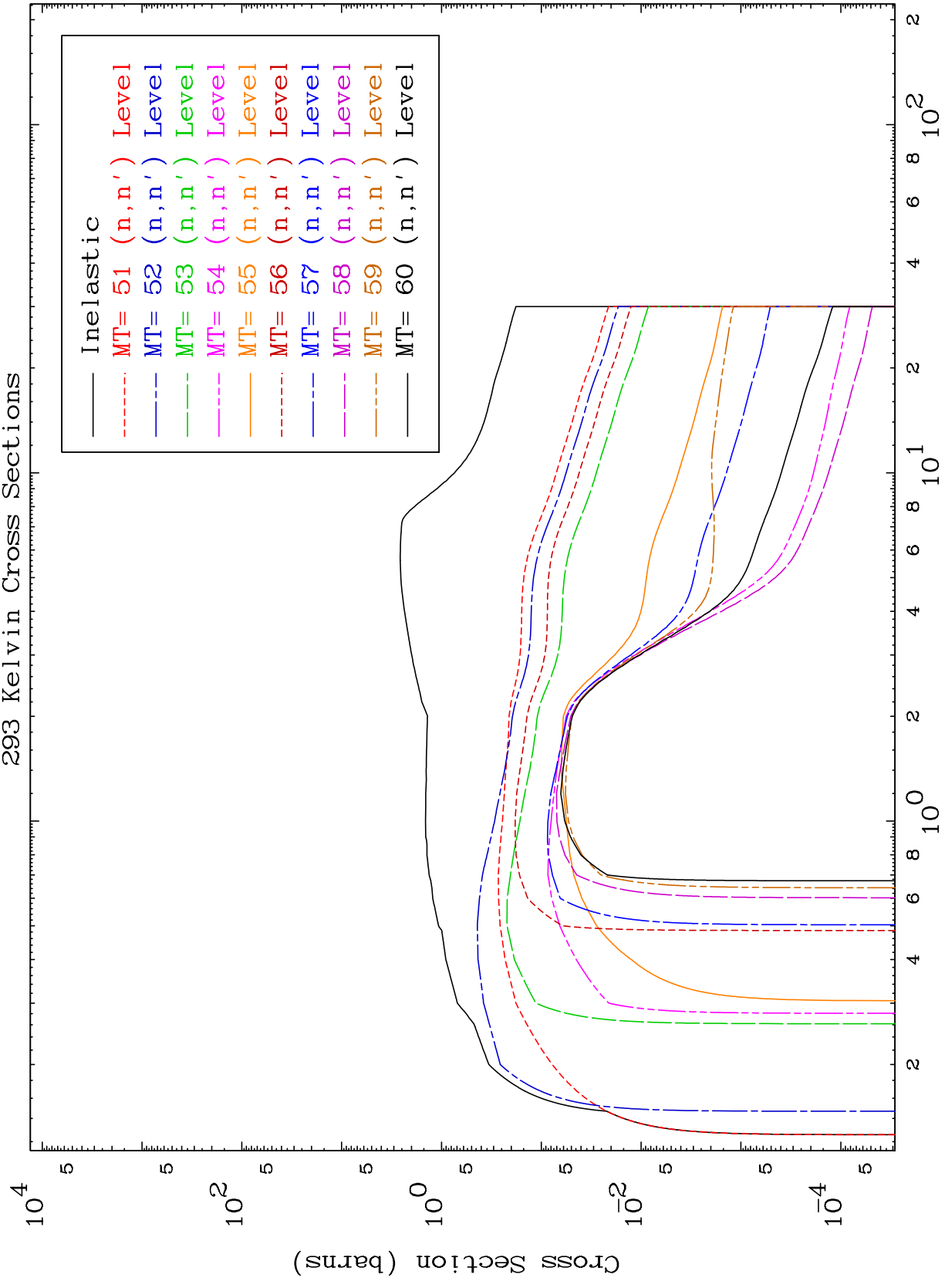
75-Re-189



5

75-Re-189

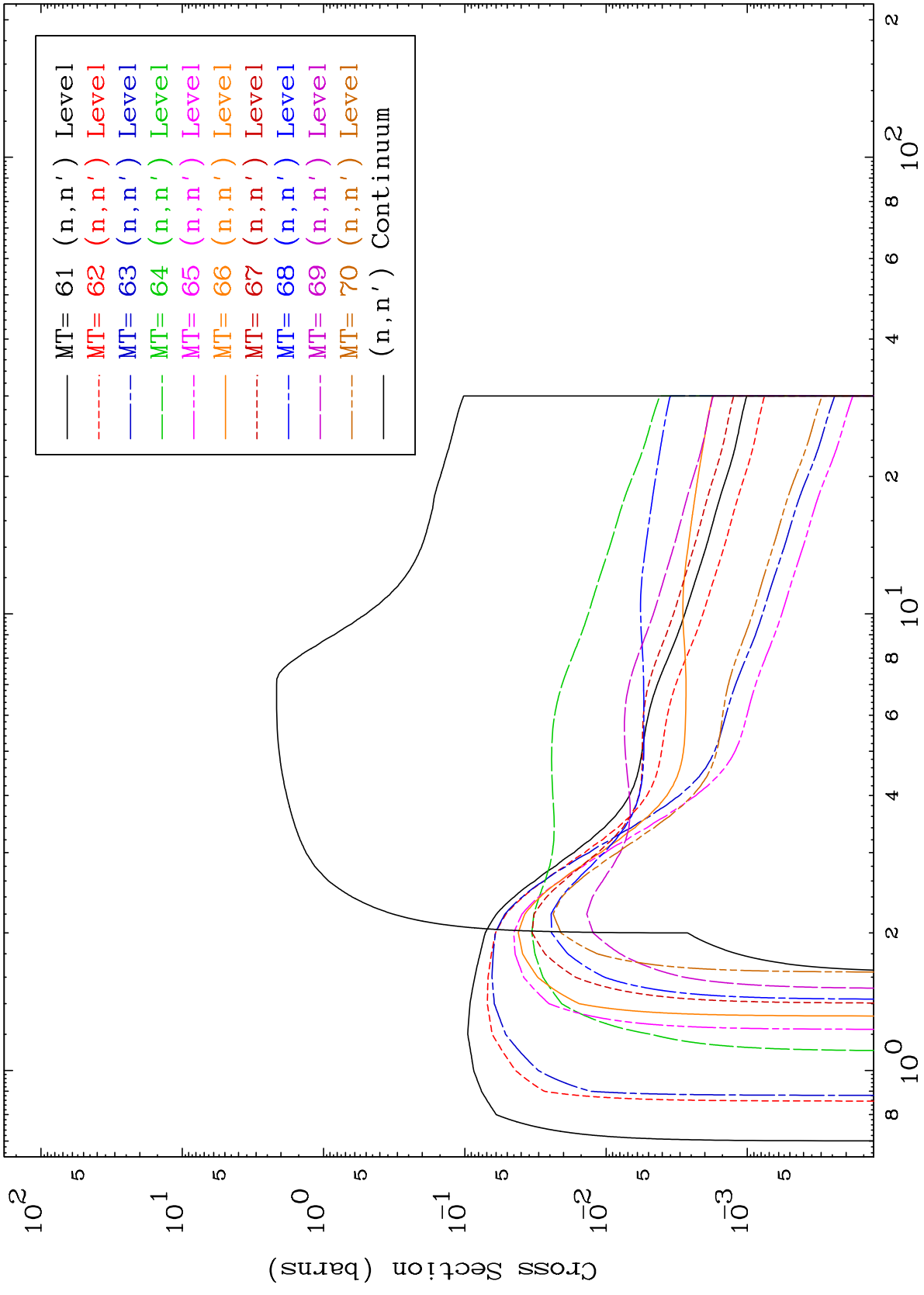




MAT 7537

(n,n') Level
293 Kelvin Cross Sections

75-Re-189



8

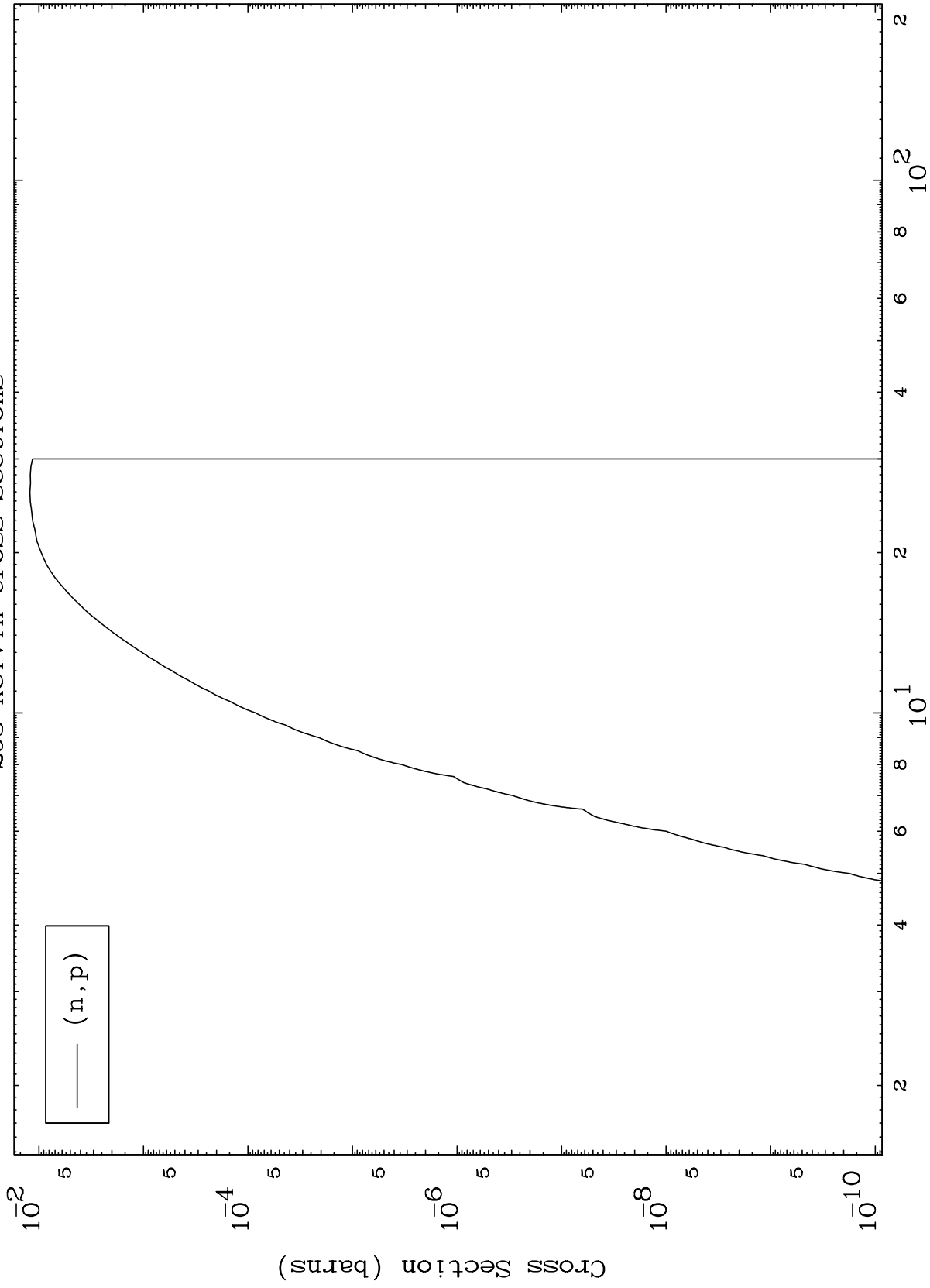
Incident Energy (MeV)

75-Re-189

MAT 7537

(n,p) Levels
293 Kelvin Cross Sections

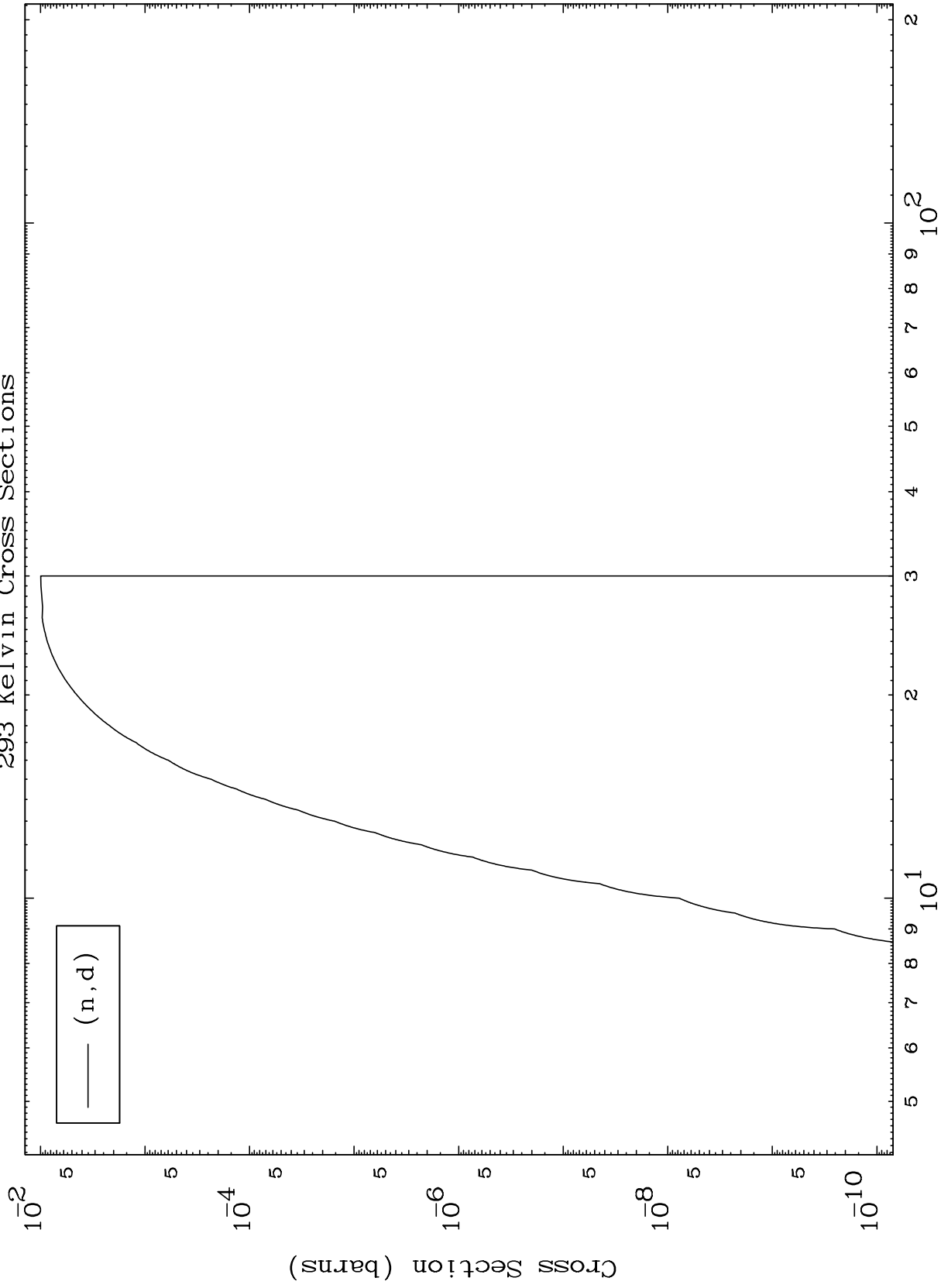
75-Re-189



MAT 7537

(n,d) Levels
293 Kelvin Cross Sections

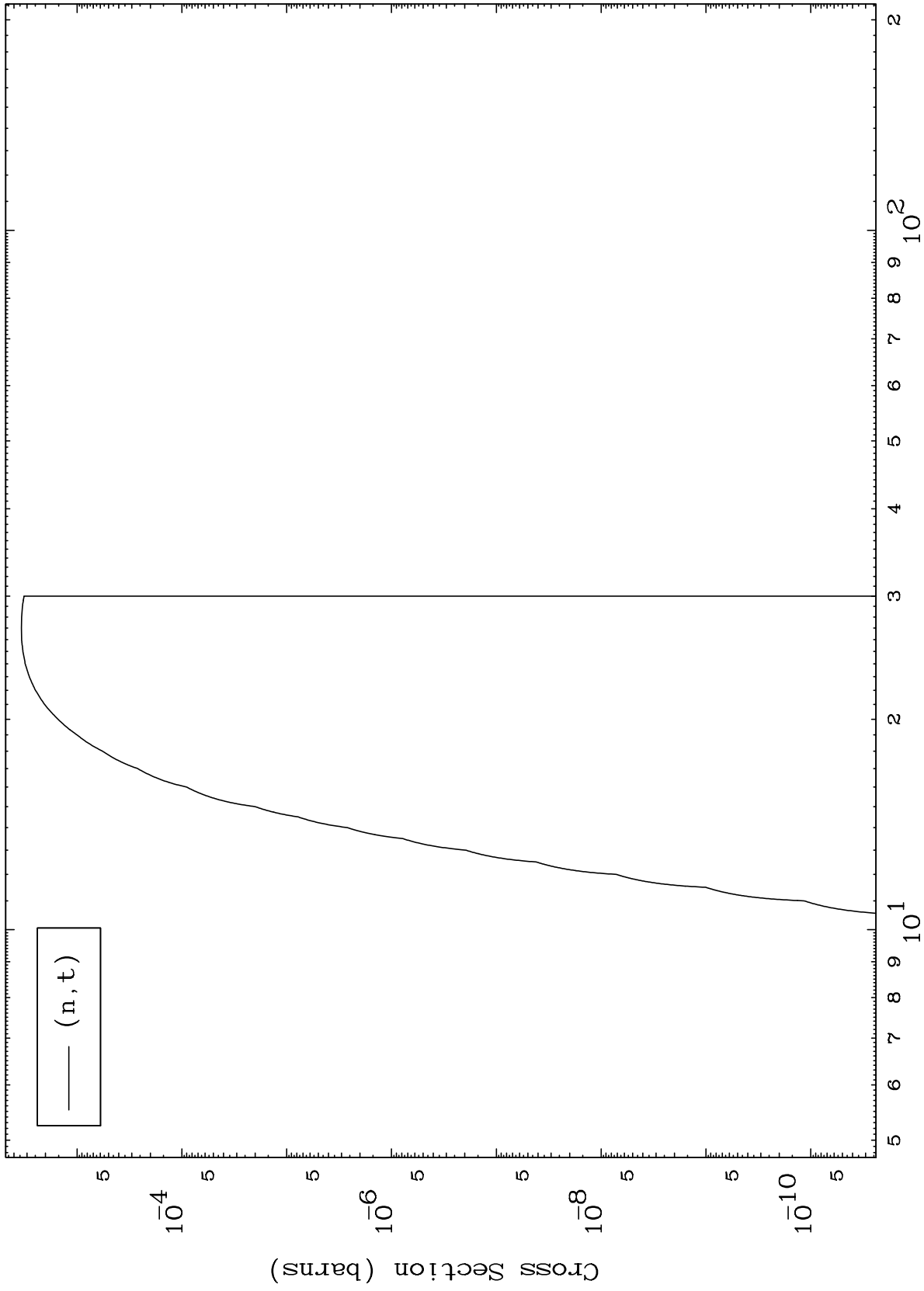
75-Re-189



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Incident Energy (MeV)

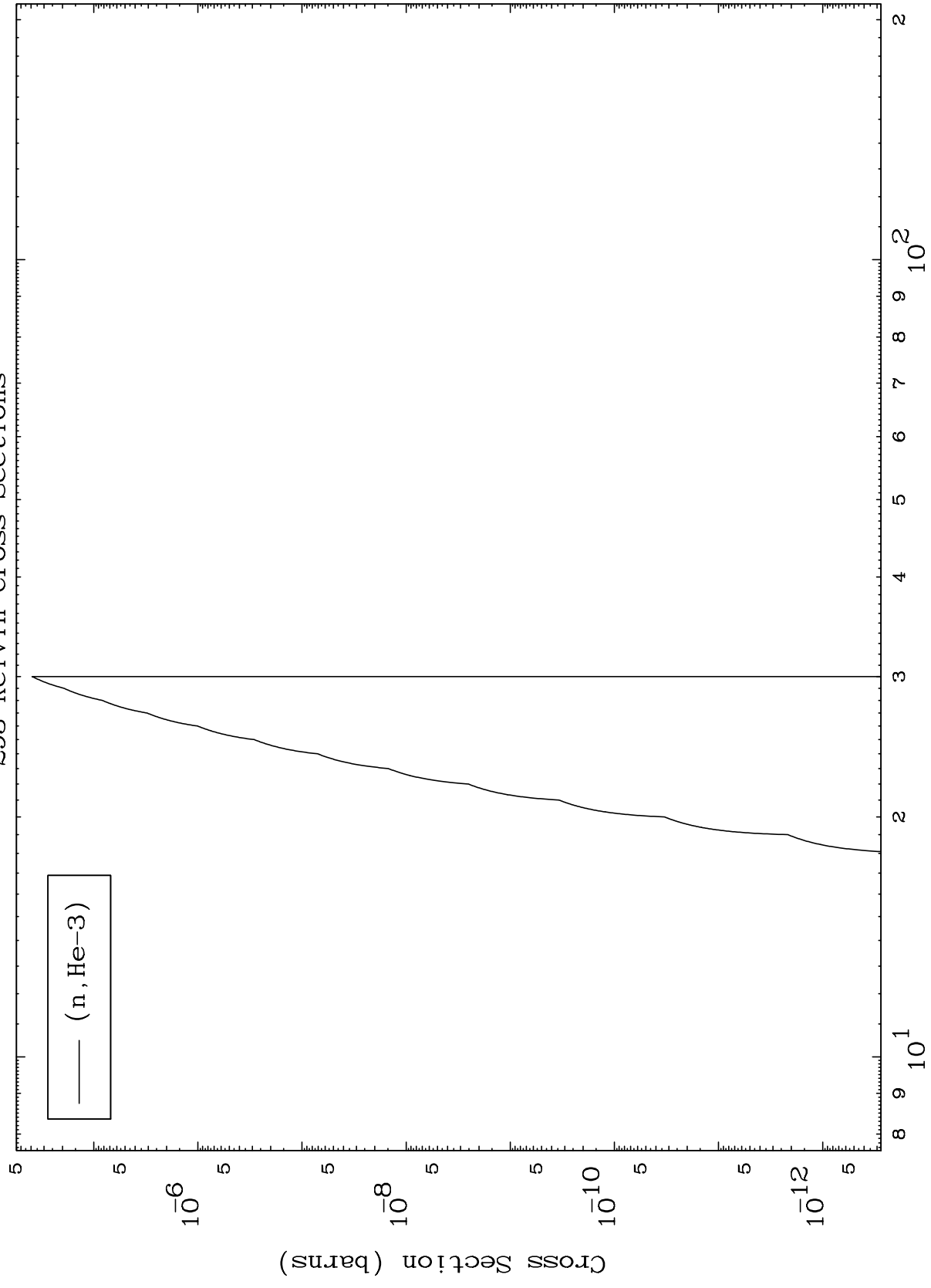
75-Re-189



MAT 7537

(n,He3) Levels
293 Kelvin Cross Sections

75-Re-189



12

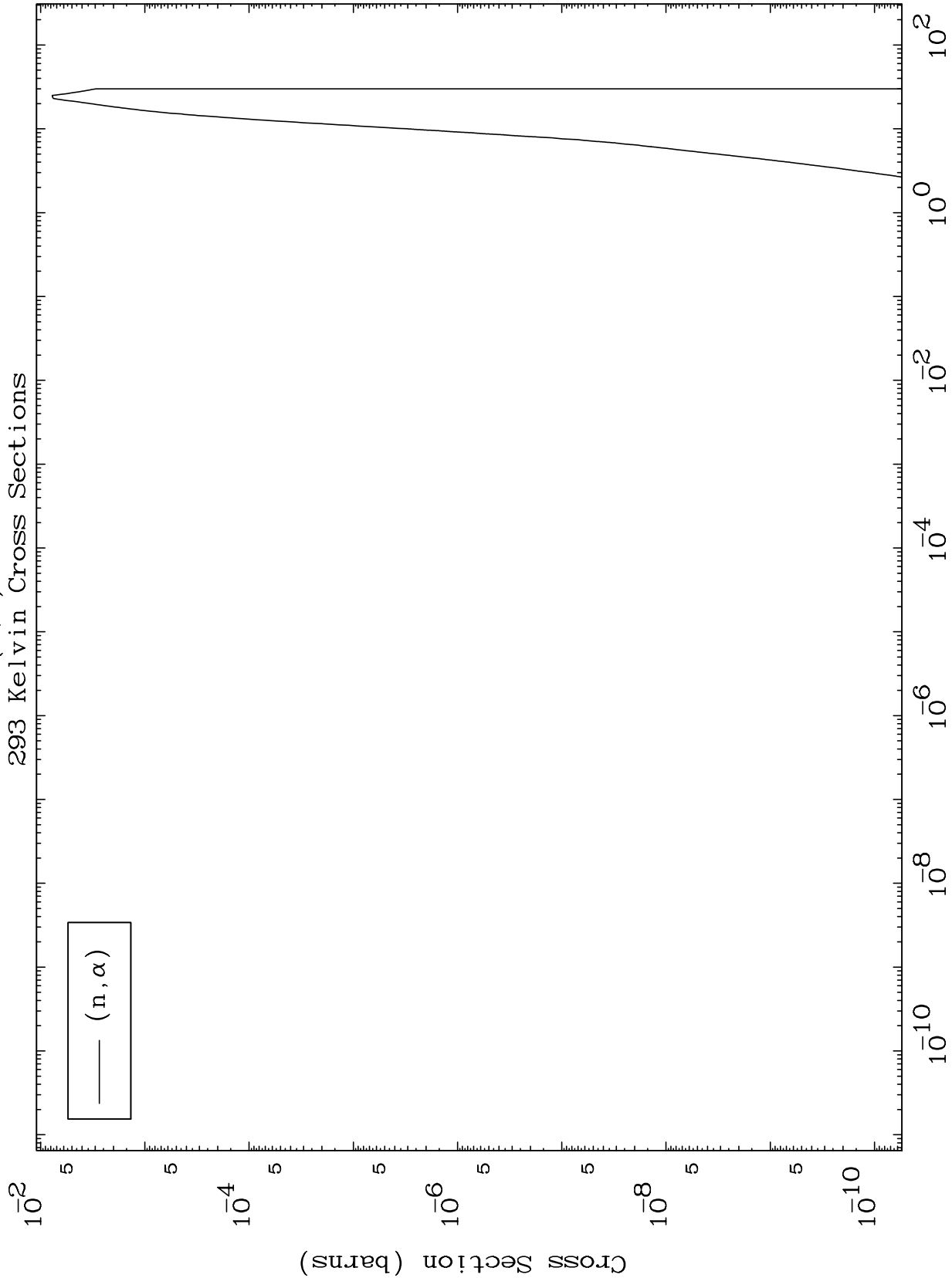
Incident Energy (MeV)

75-Re-189

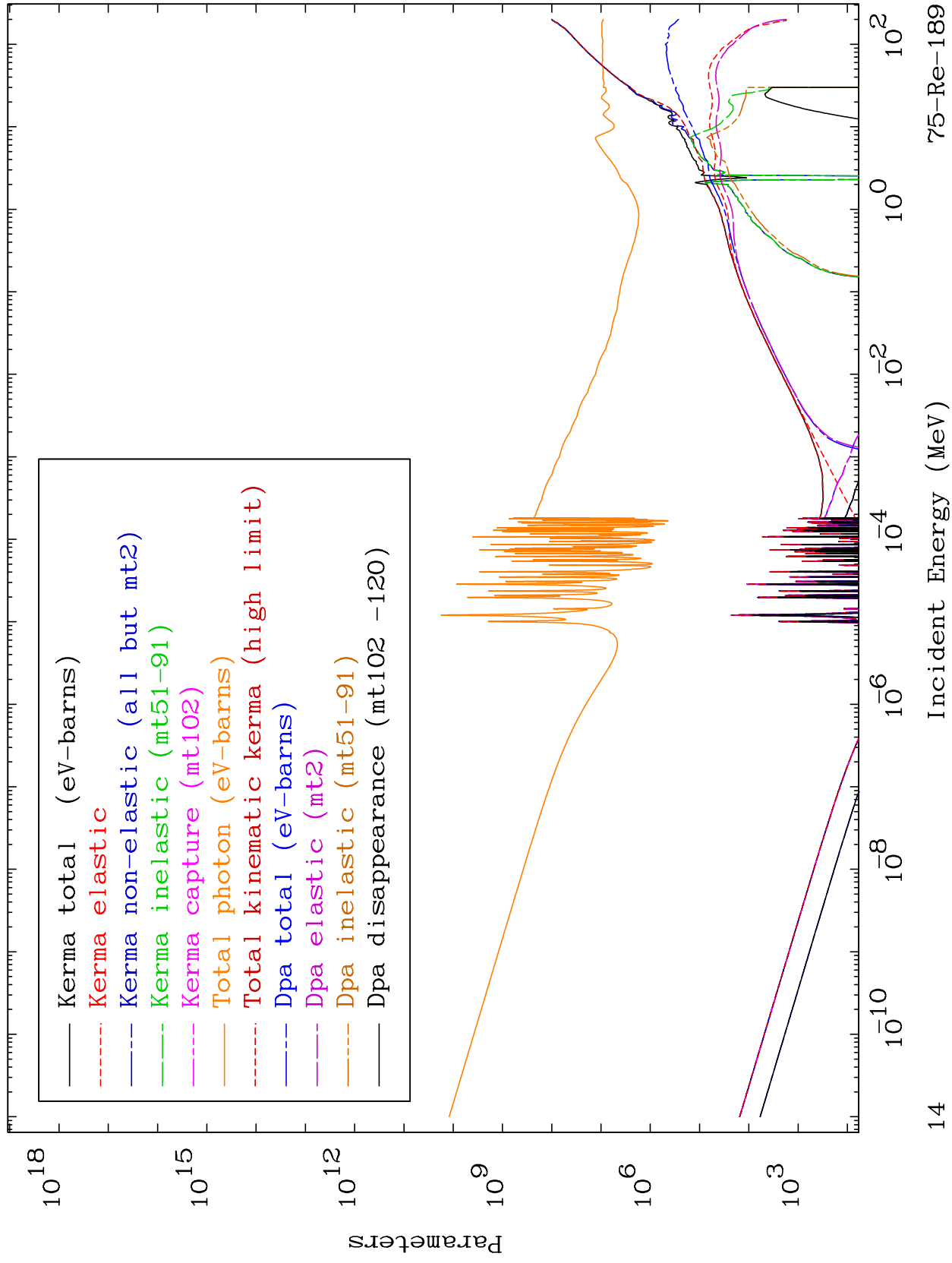
MAT 7537

(n, α) Levels
293 Kelvin Cross Sections

75-Re-189



(n, α)



MAT 7537

Elastic Legendre Coefficients

75-Re-189



15

Incident Energy (MeV)

75-Re-189

30

20

10

0.0

0.2

0.4

0.6

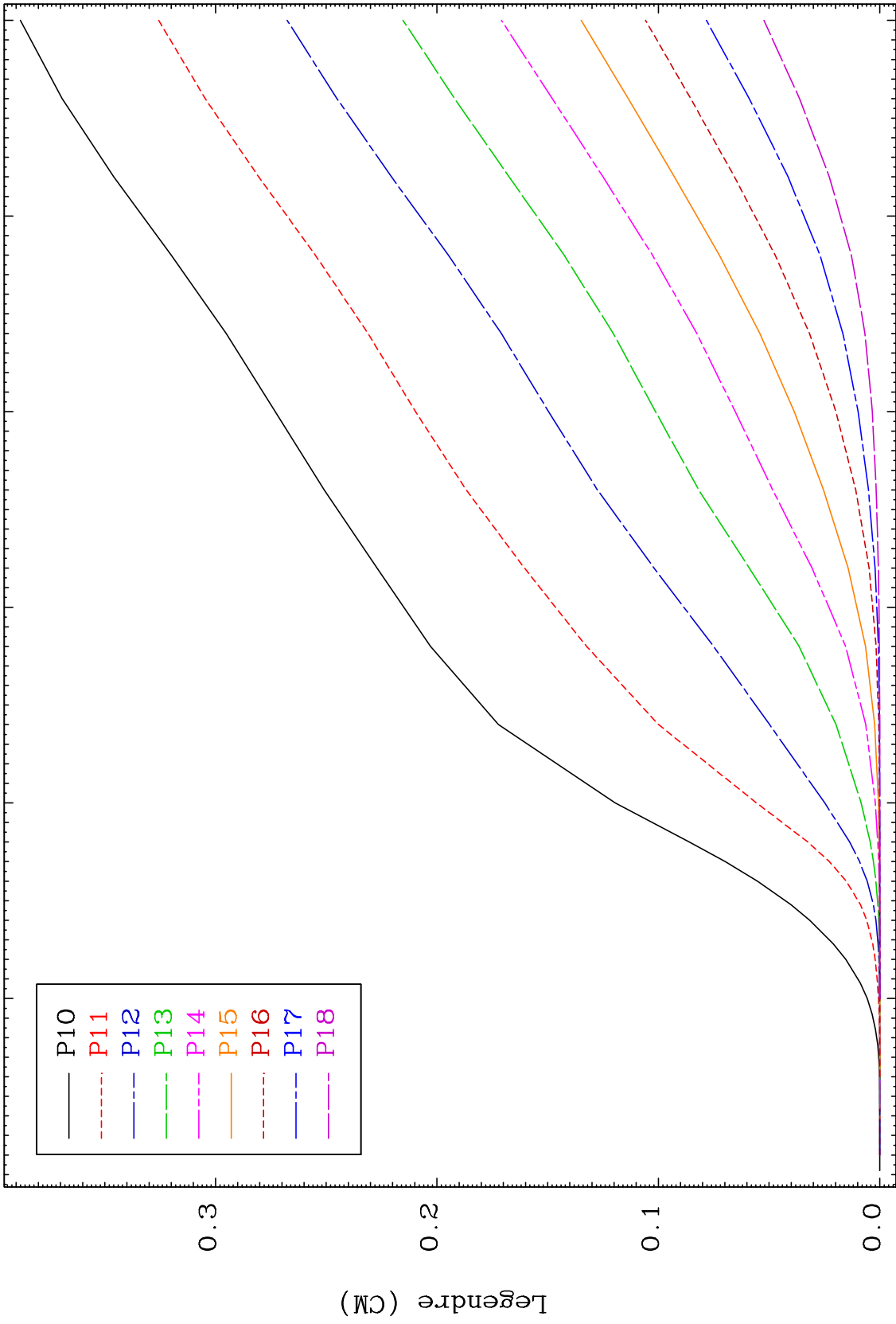
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Legendre (CM)

MAT 7537

Elastic Legendre Coefficients

75-Re-189



16

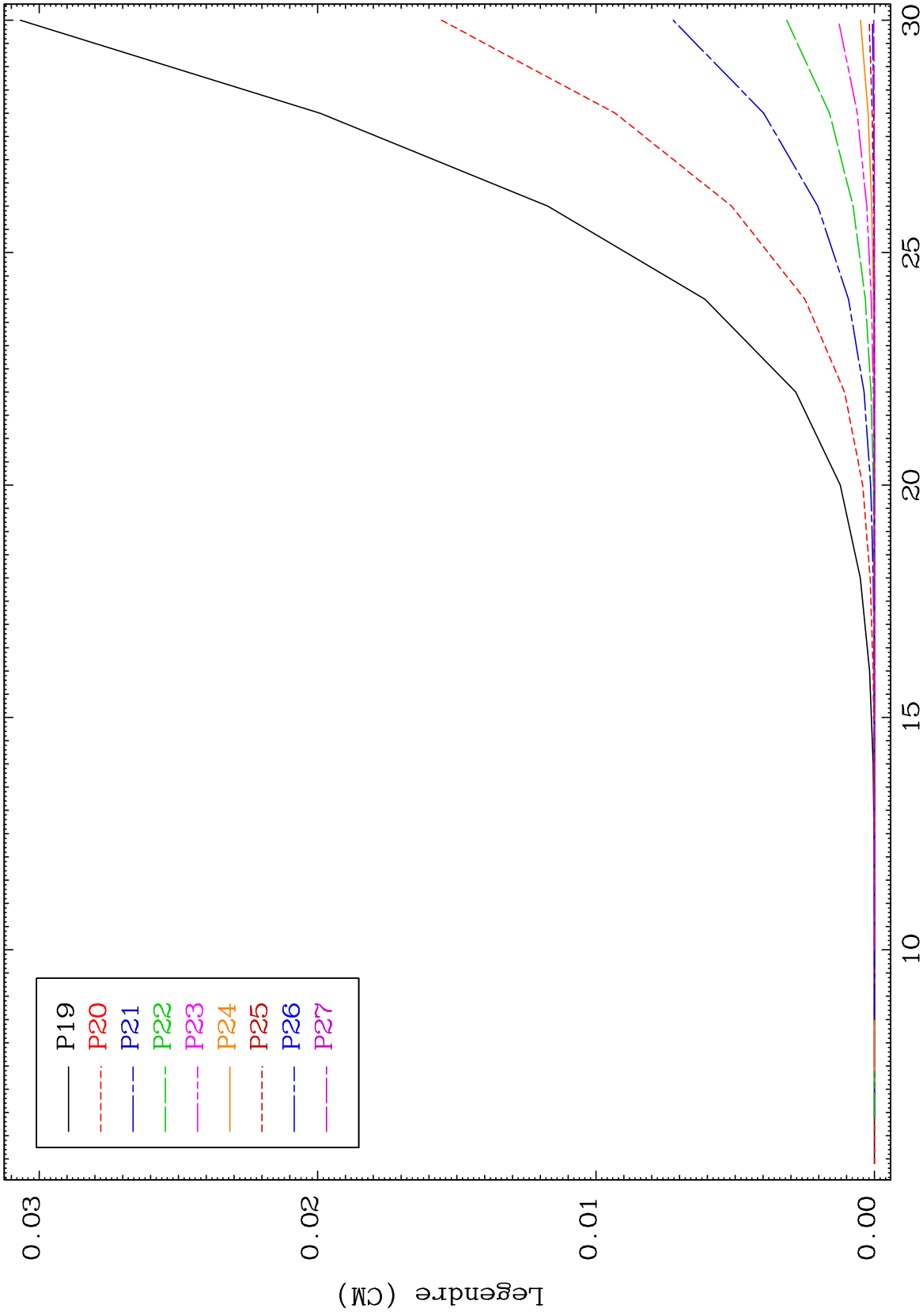
Incident Energy (MeV)

75-Re-189

MAT 7537

Elastic Legendre Coefficients

75-Re-189



17

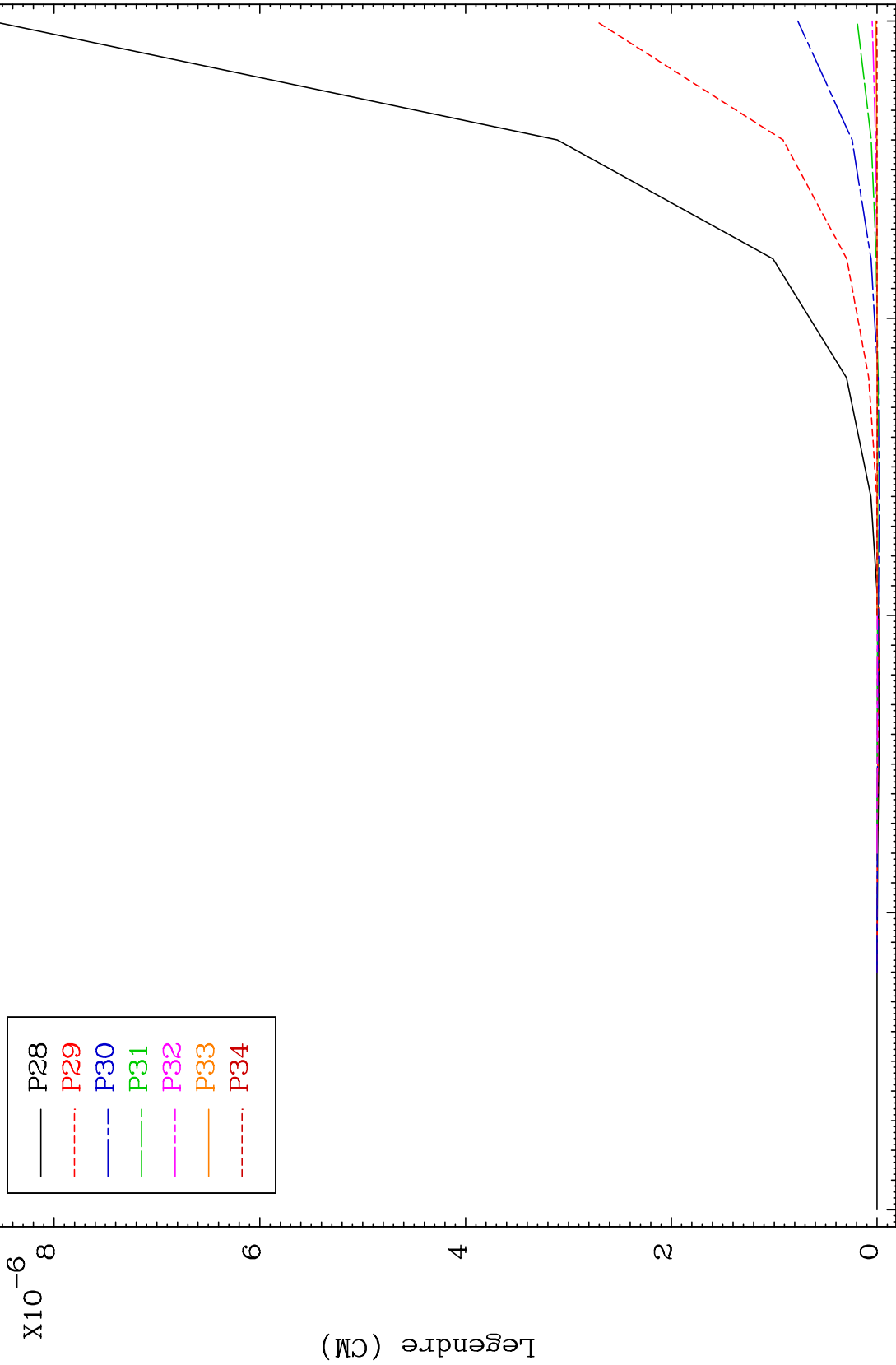
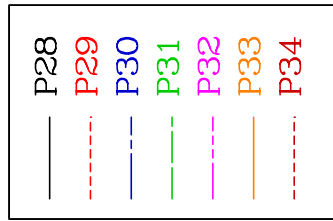
Incident Energy (MeV)

75-Re-189

MAT 7537

Elastic Legendre Coefficients

75-Re-189



18

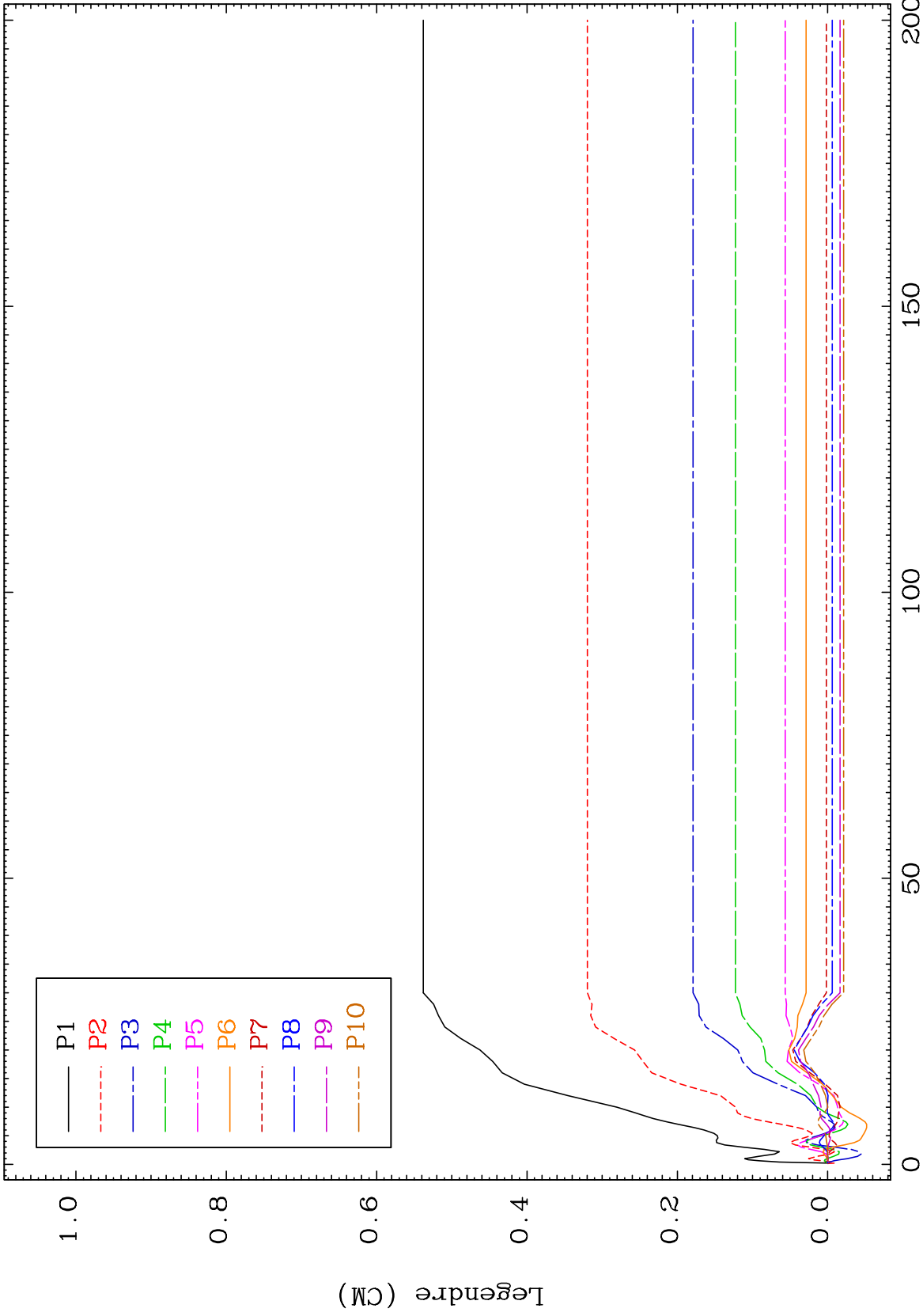
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



19

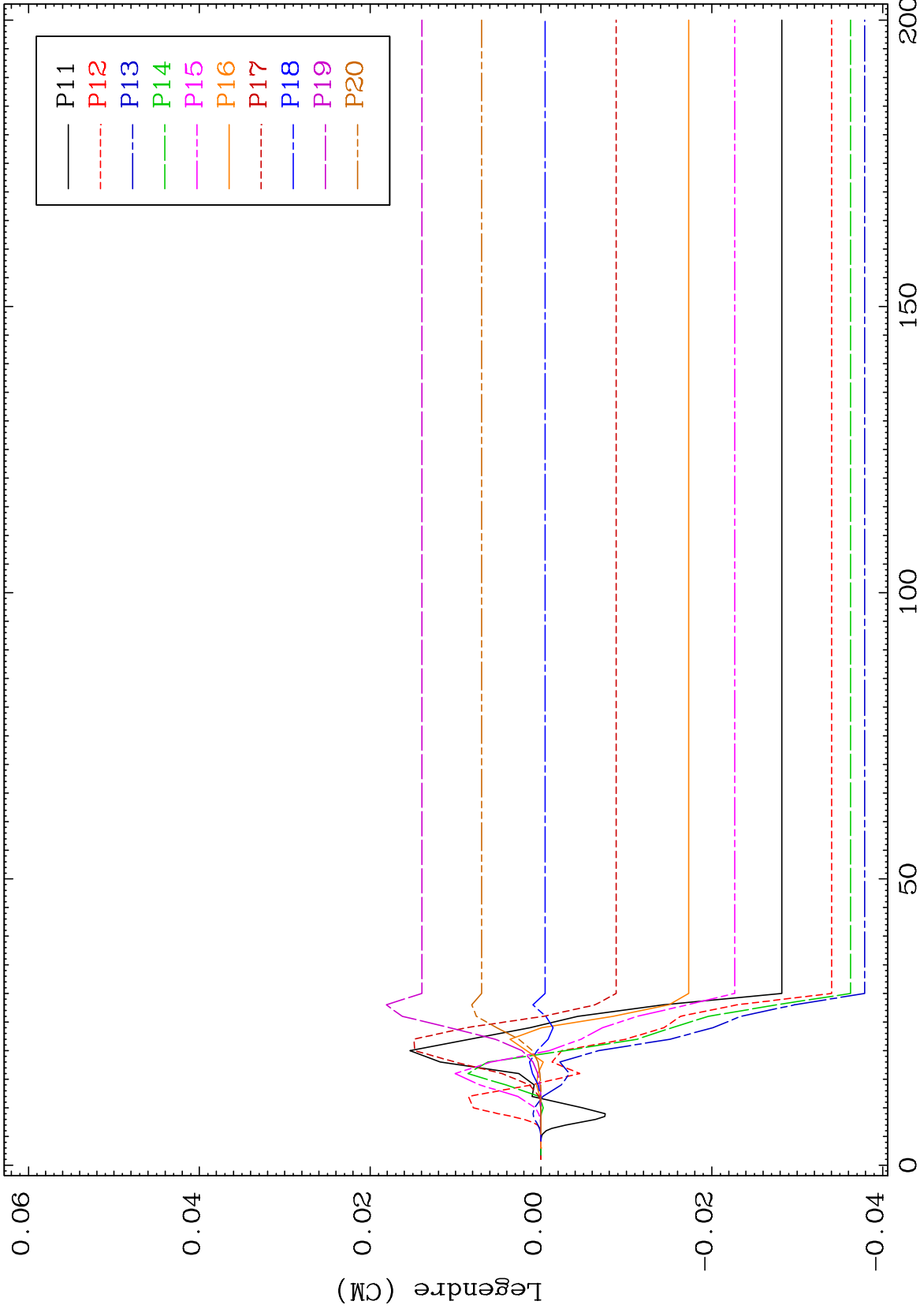
Incident Energy (MeV)

75-Re-189

MAT 7537

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

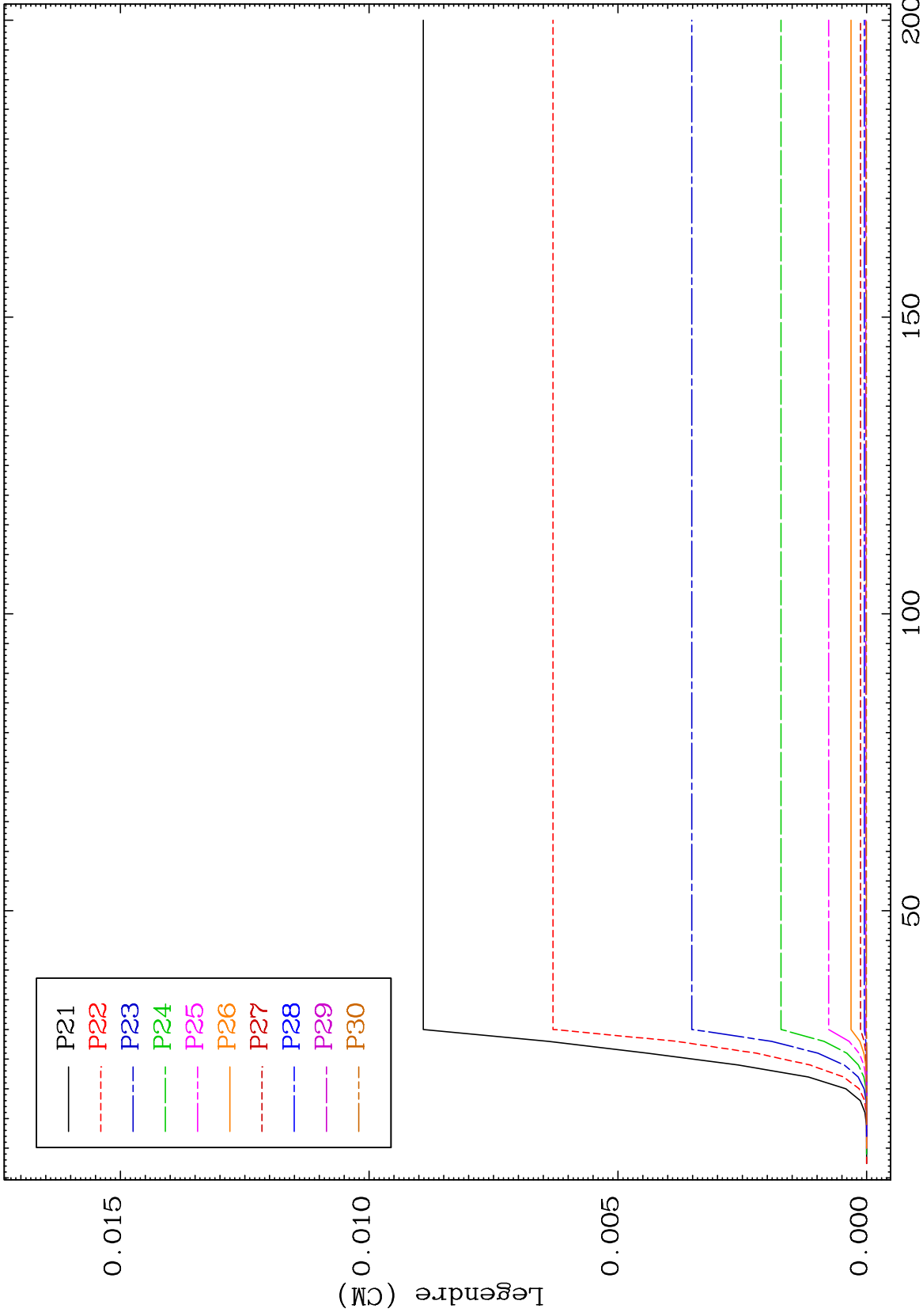
75-Re-189



75-Re-189

Incident Energy (MeV)

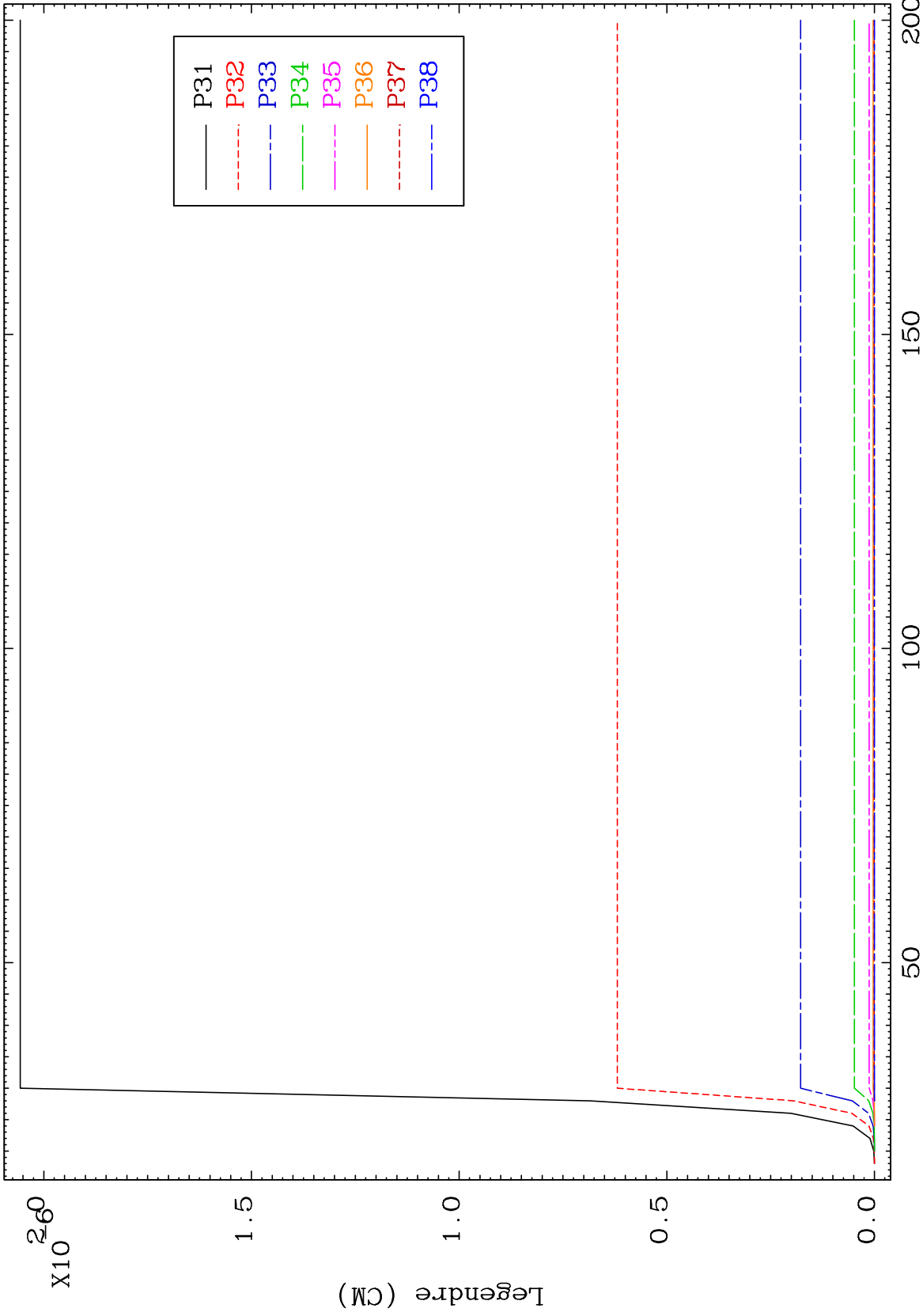
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MAT 7537

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

75-Re-189



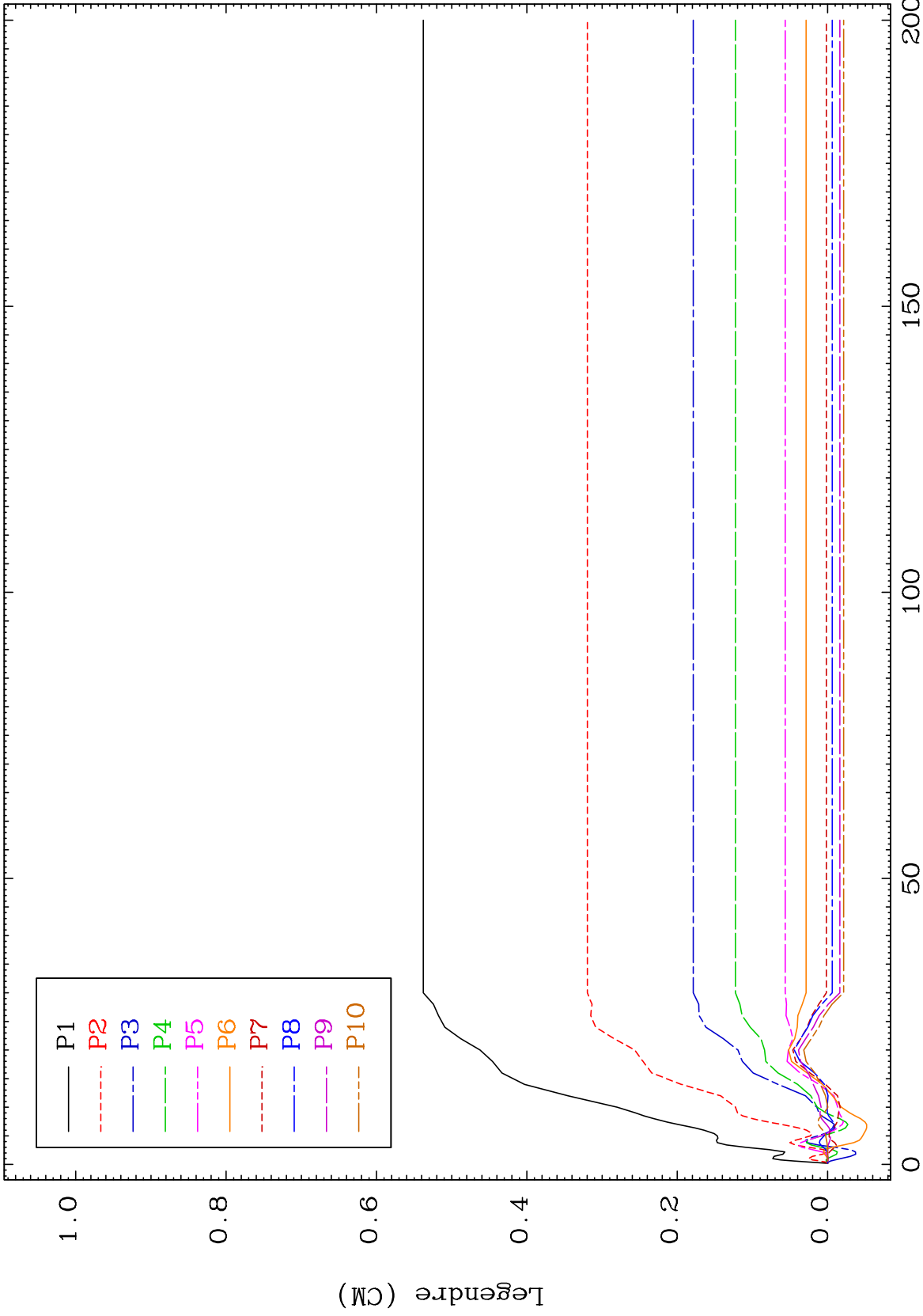
22

75-Re-189

MAT 7537

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

75-Re-189



23

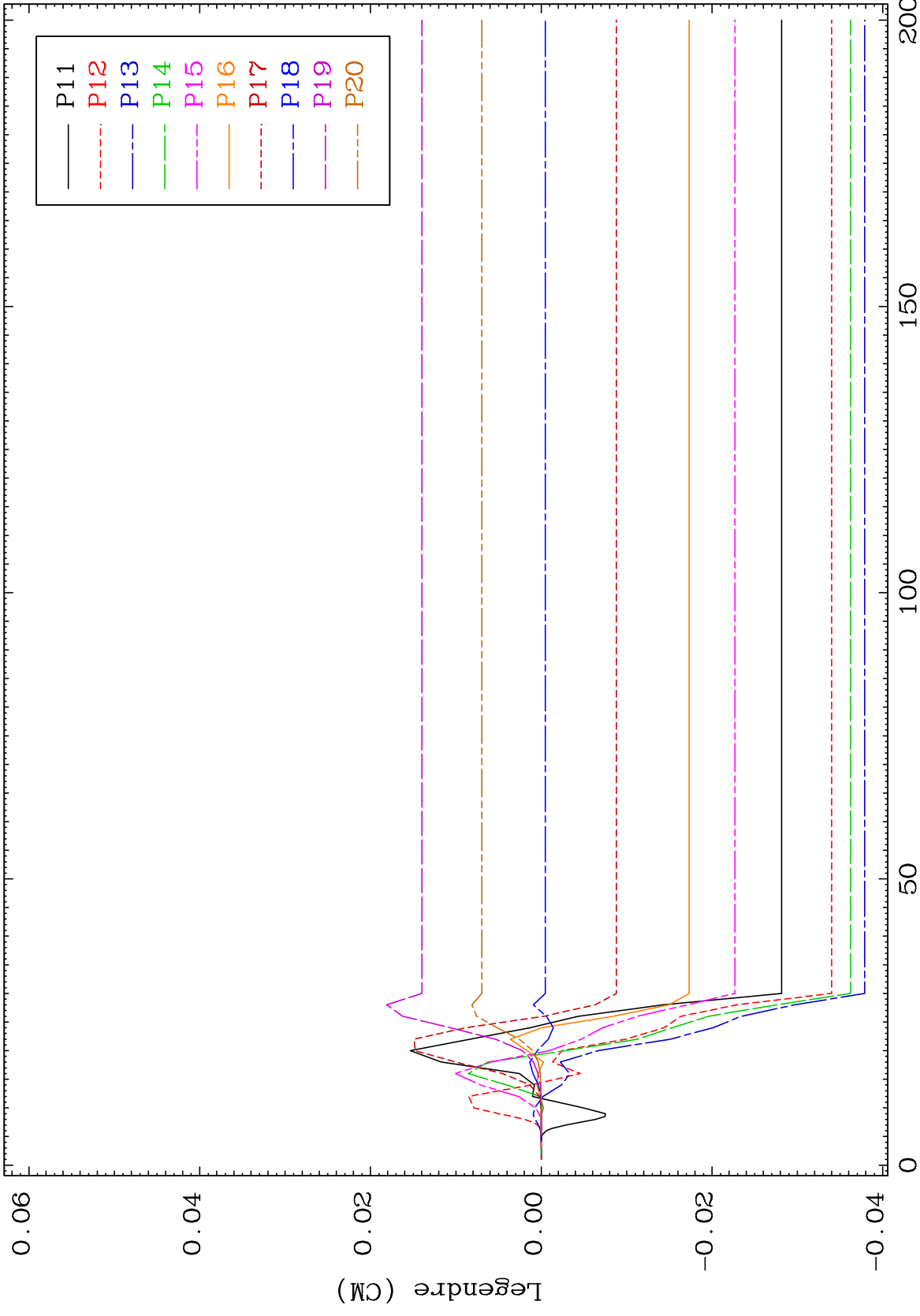
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



24

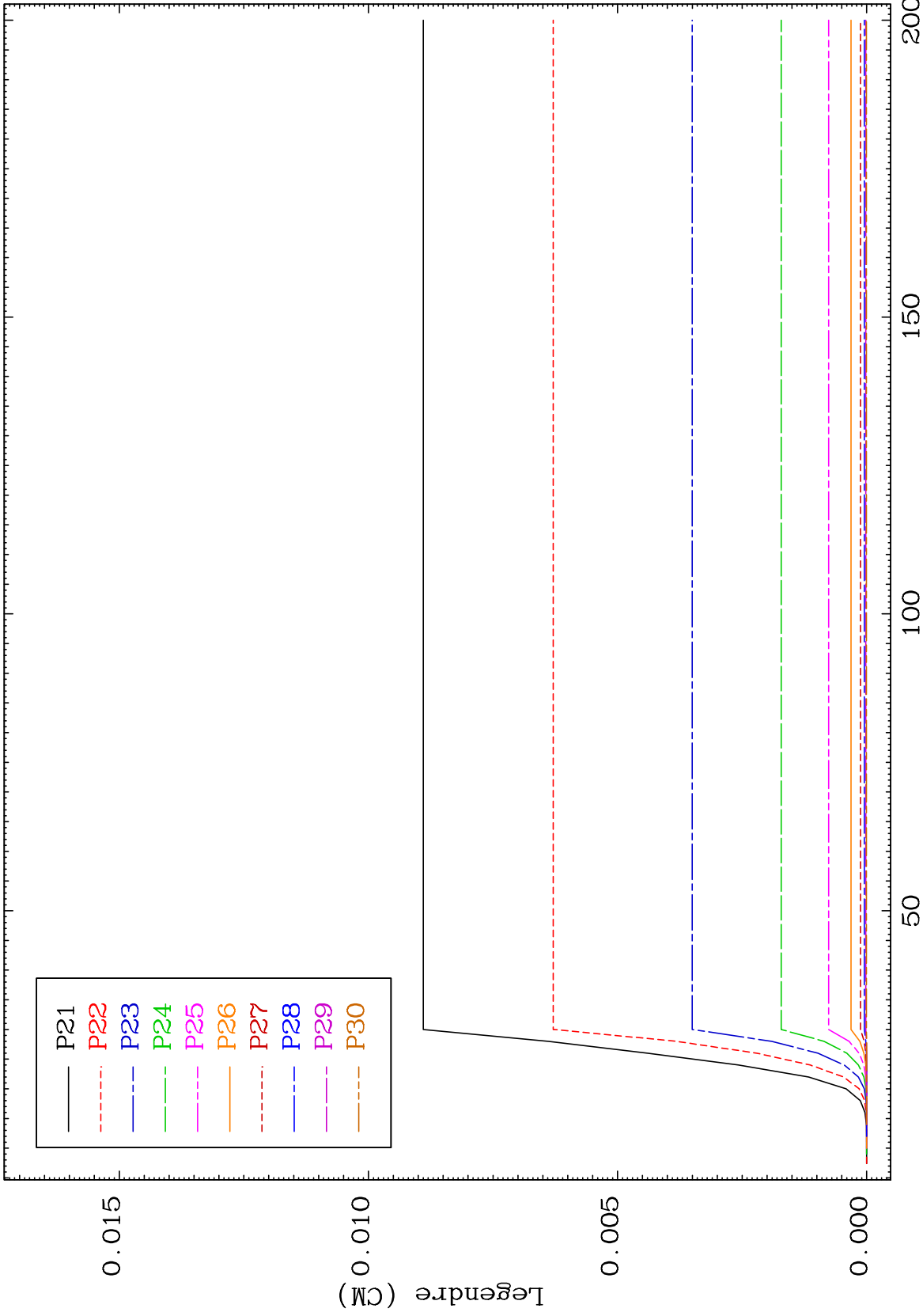
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



25

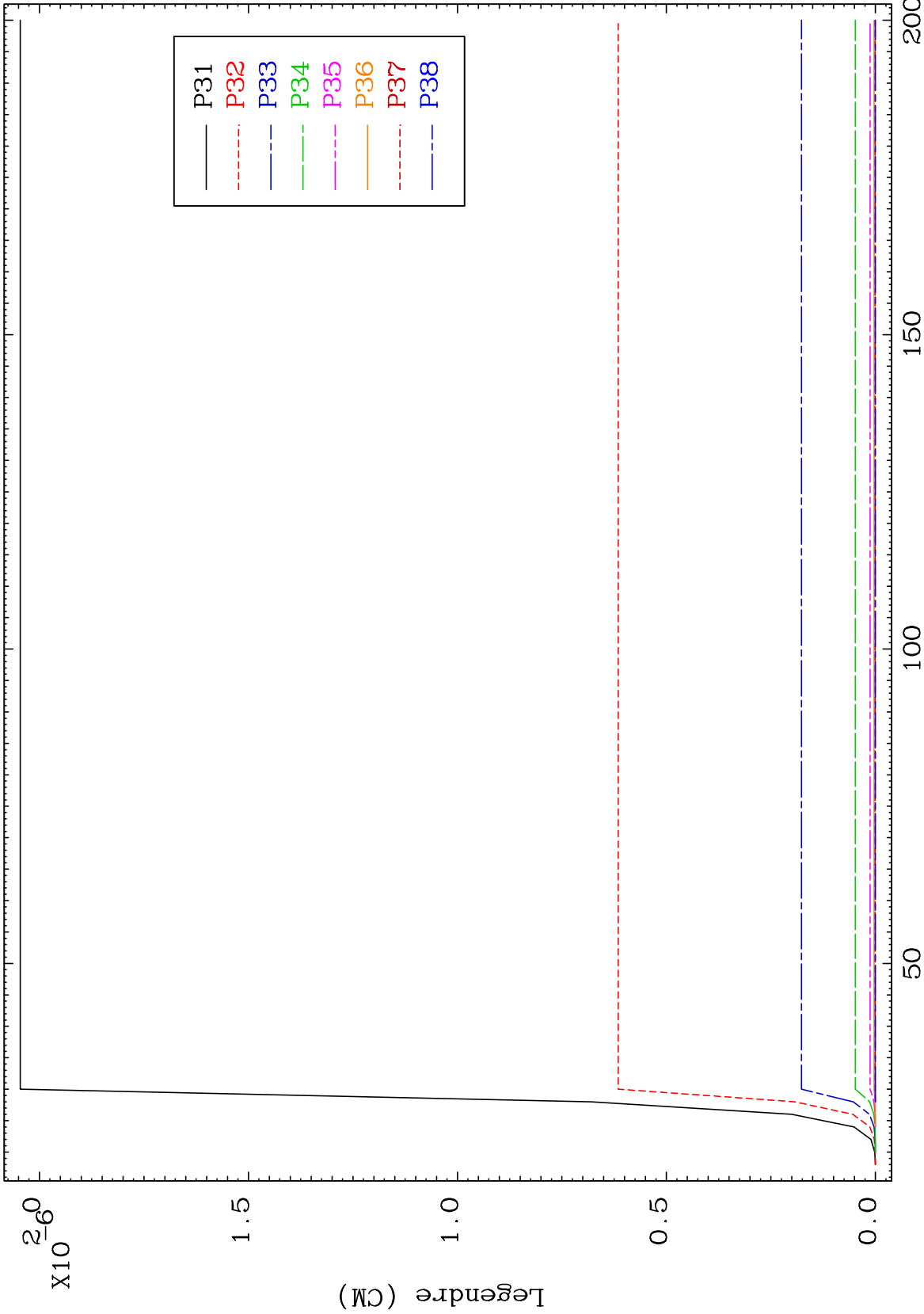
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



26

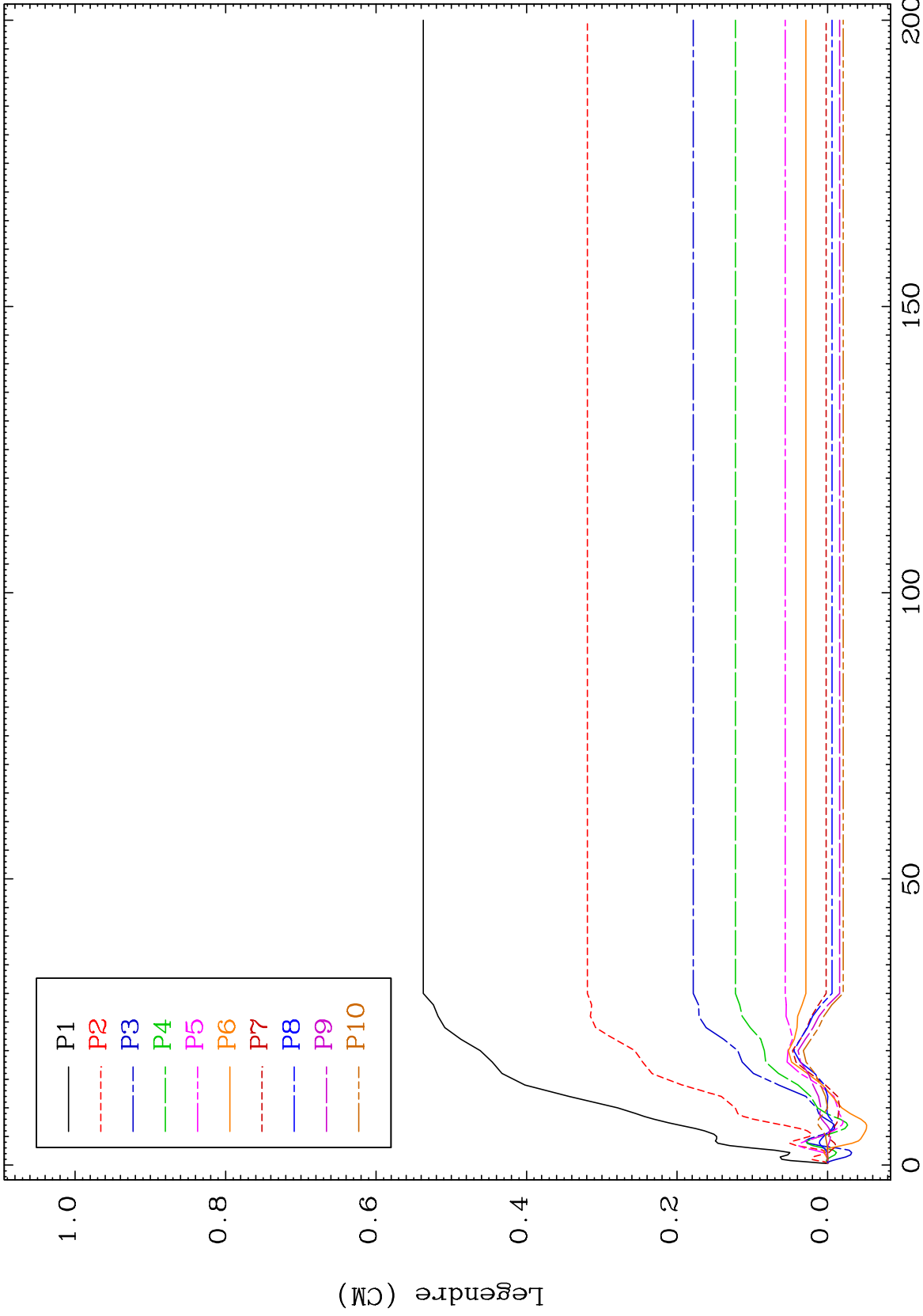
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



27

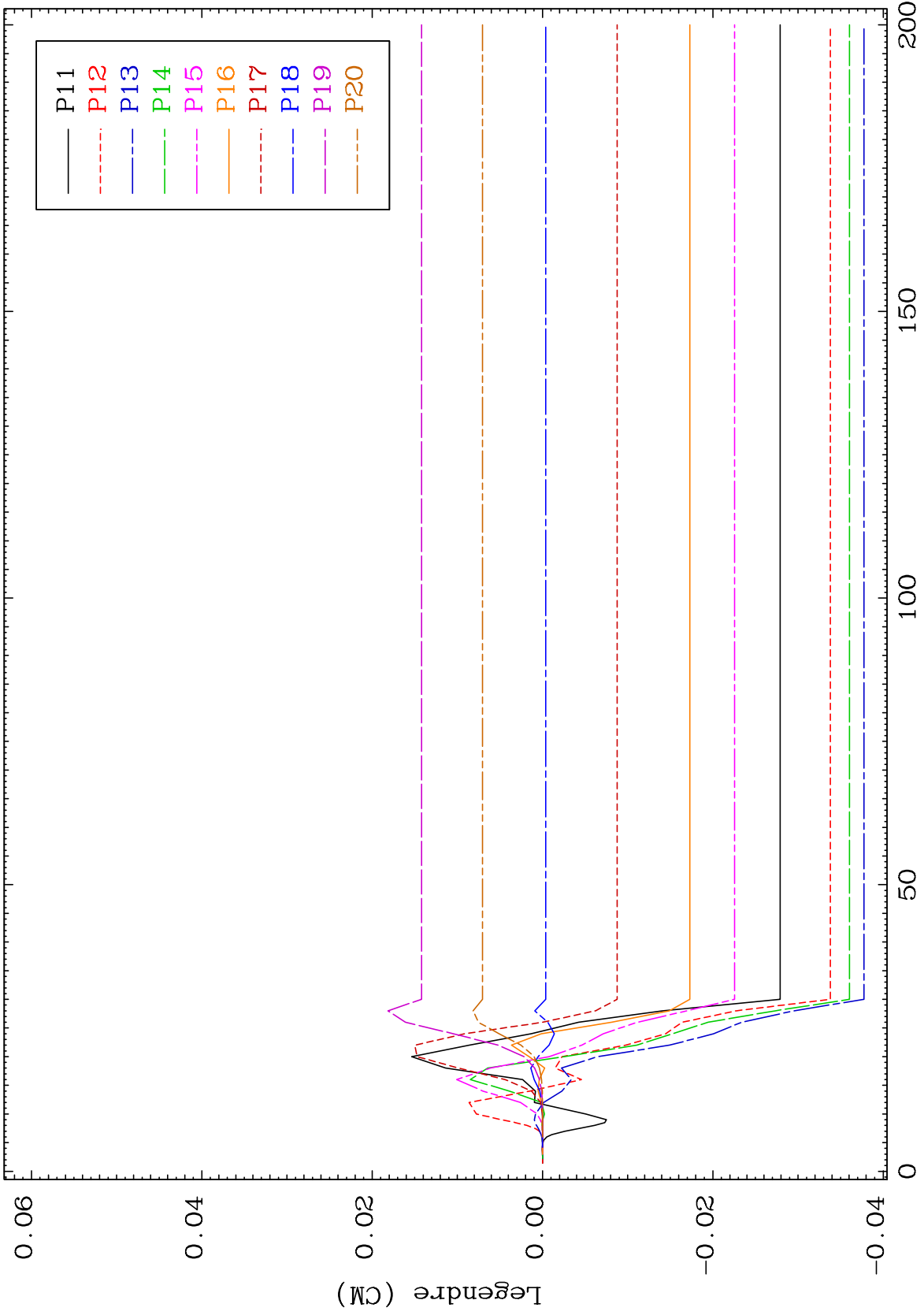
Incident Energy (MeV)

75-Re-189

MAT 7537

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

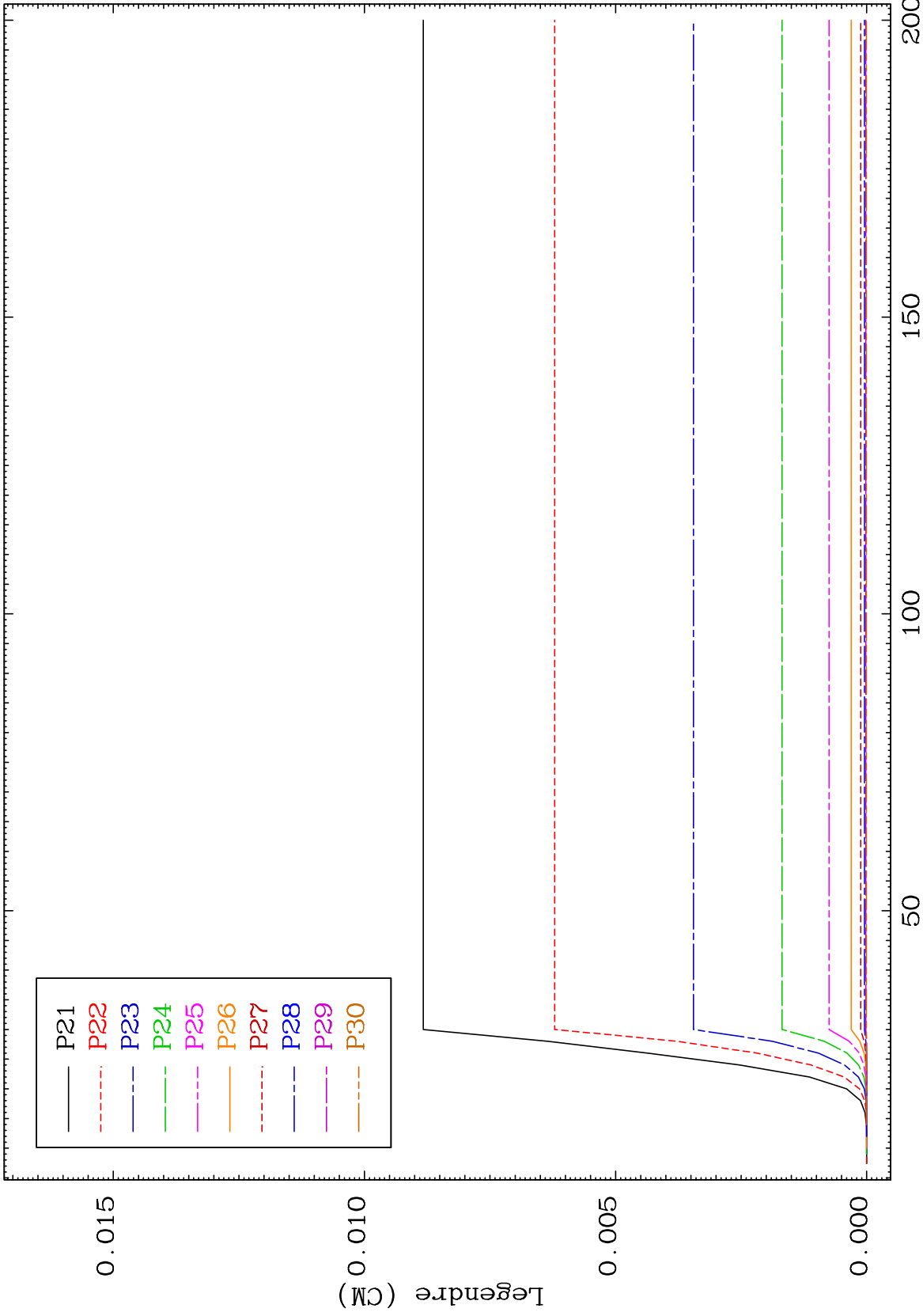
75-Re-189



28

Incident Energy (MeV)

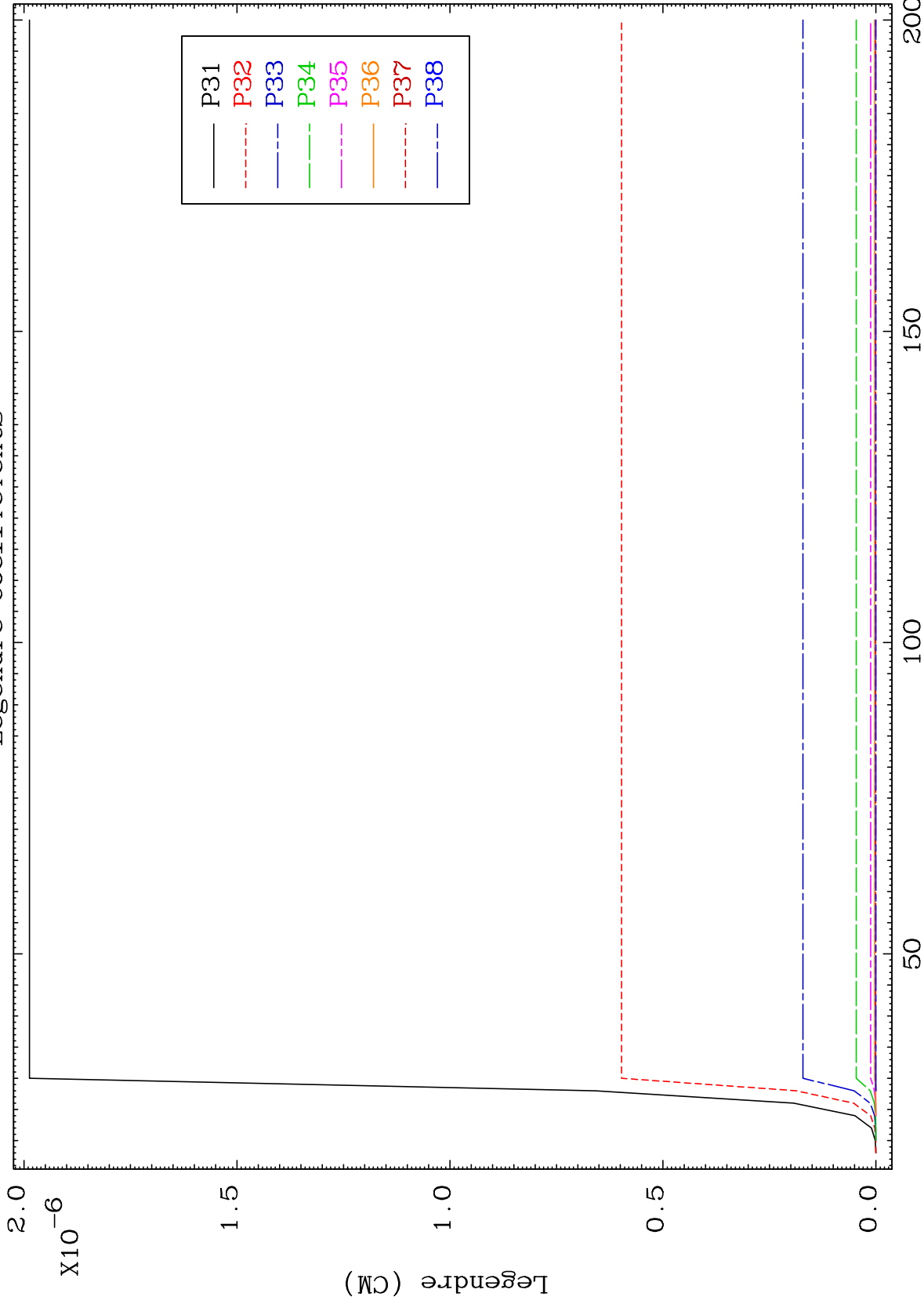
75-Re-189



MAT 7537

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

75-Re-189



30

Incident Energy (MeV)

150

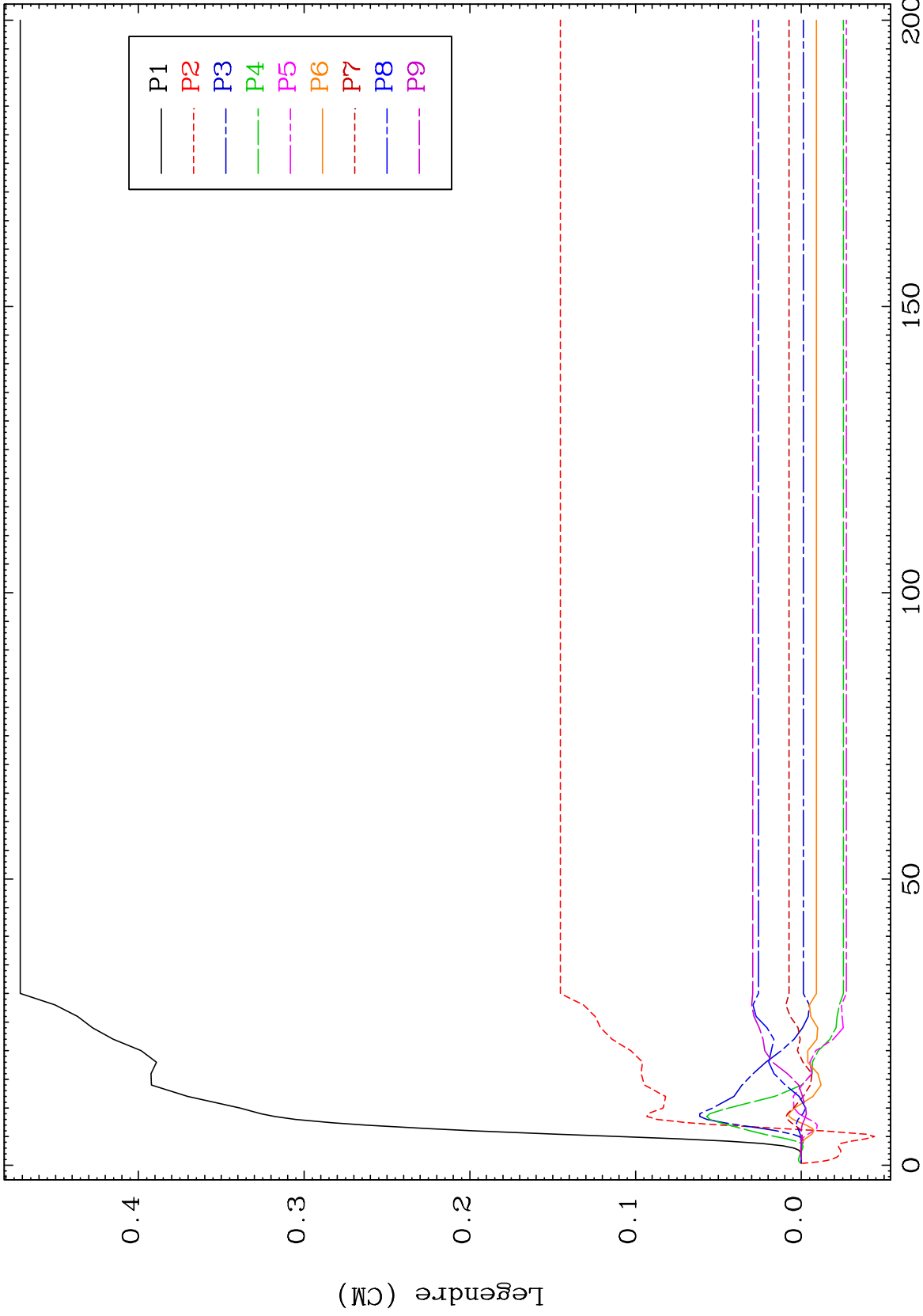
200

75-Re-189

MAT 7537

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

75-Re-189



31

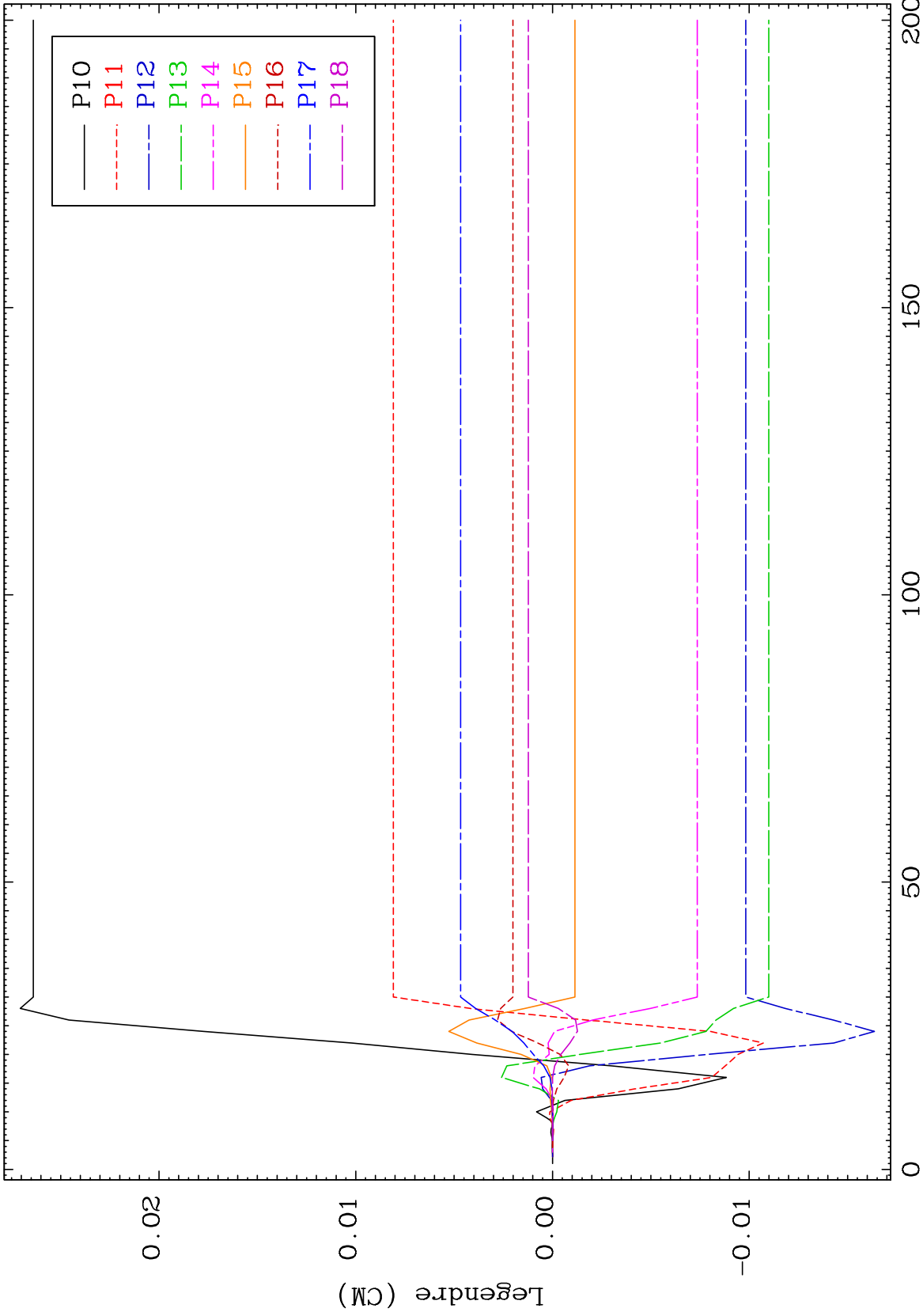
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



32

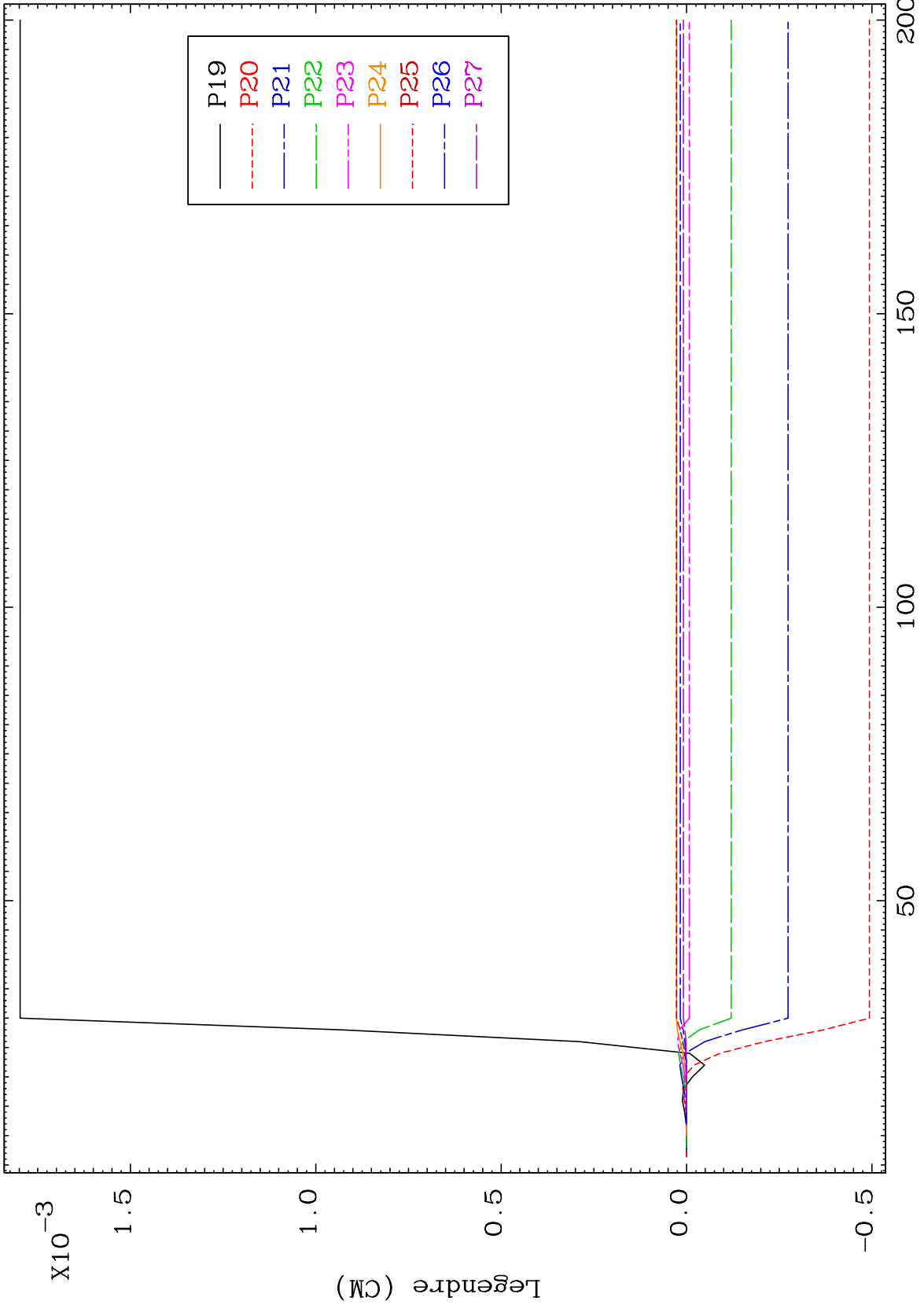
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



33

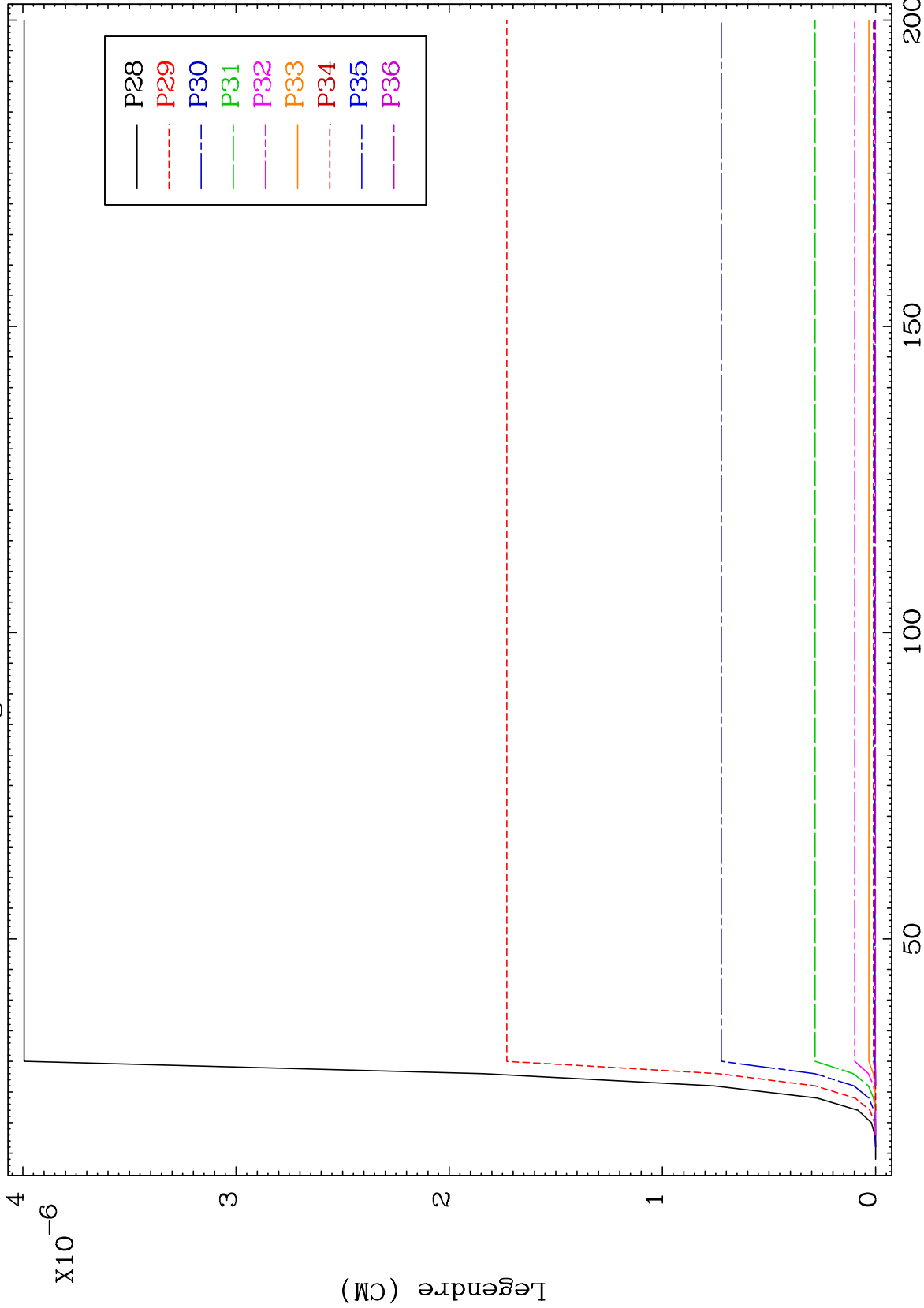
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189

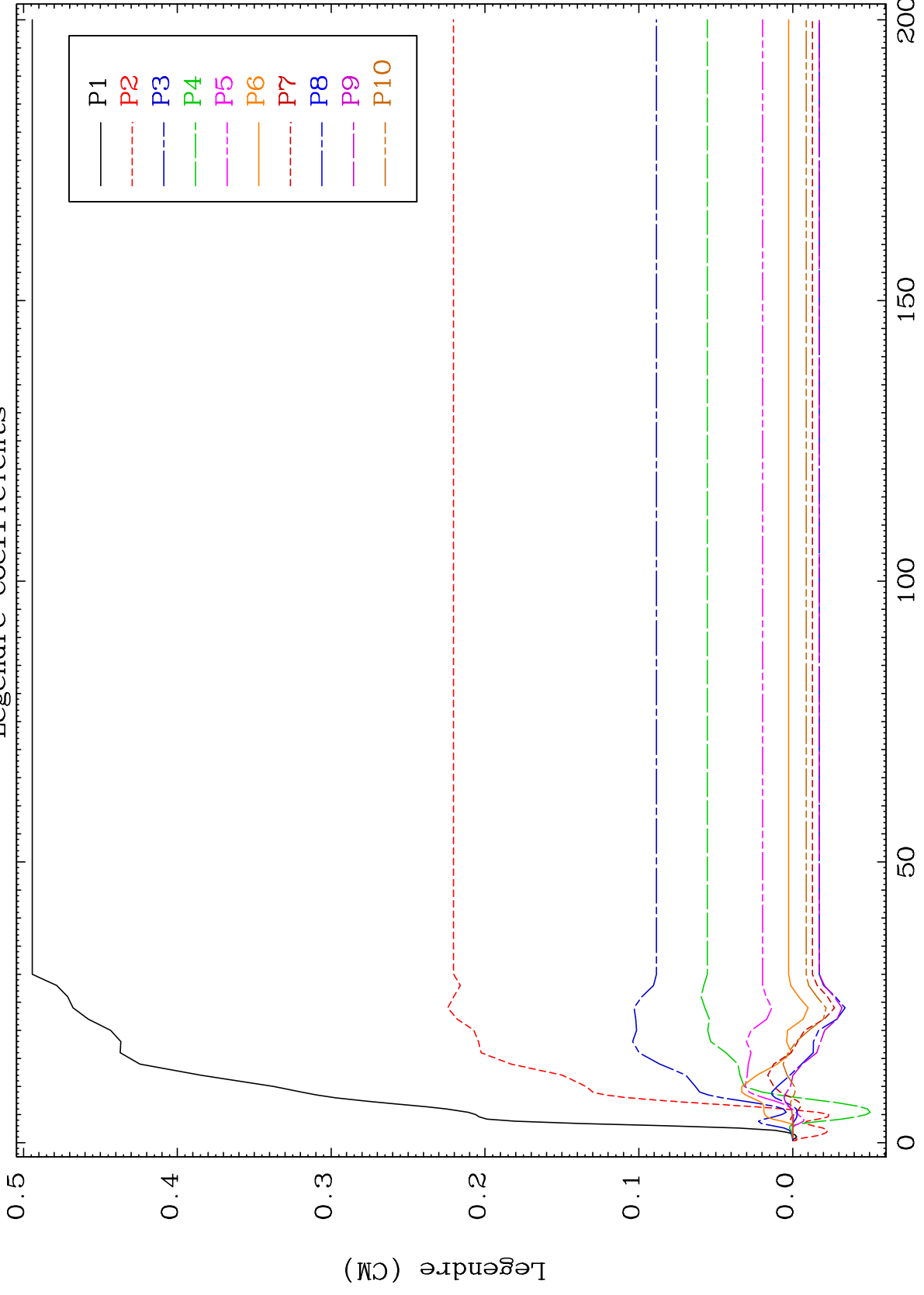


34

Incident Energy (MeV)

75-Re-189

MAT 7537 MT= 55 (n,n') Level Legendre Coefficients 75-Re-189

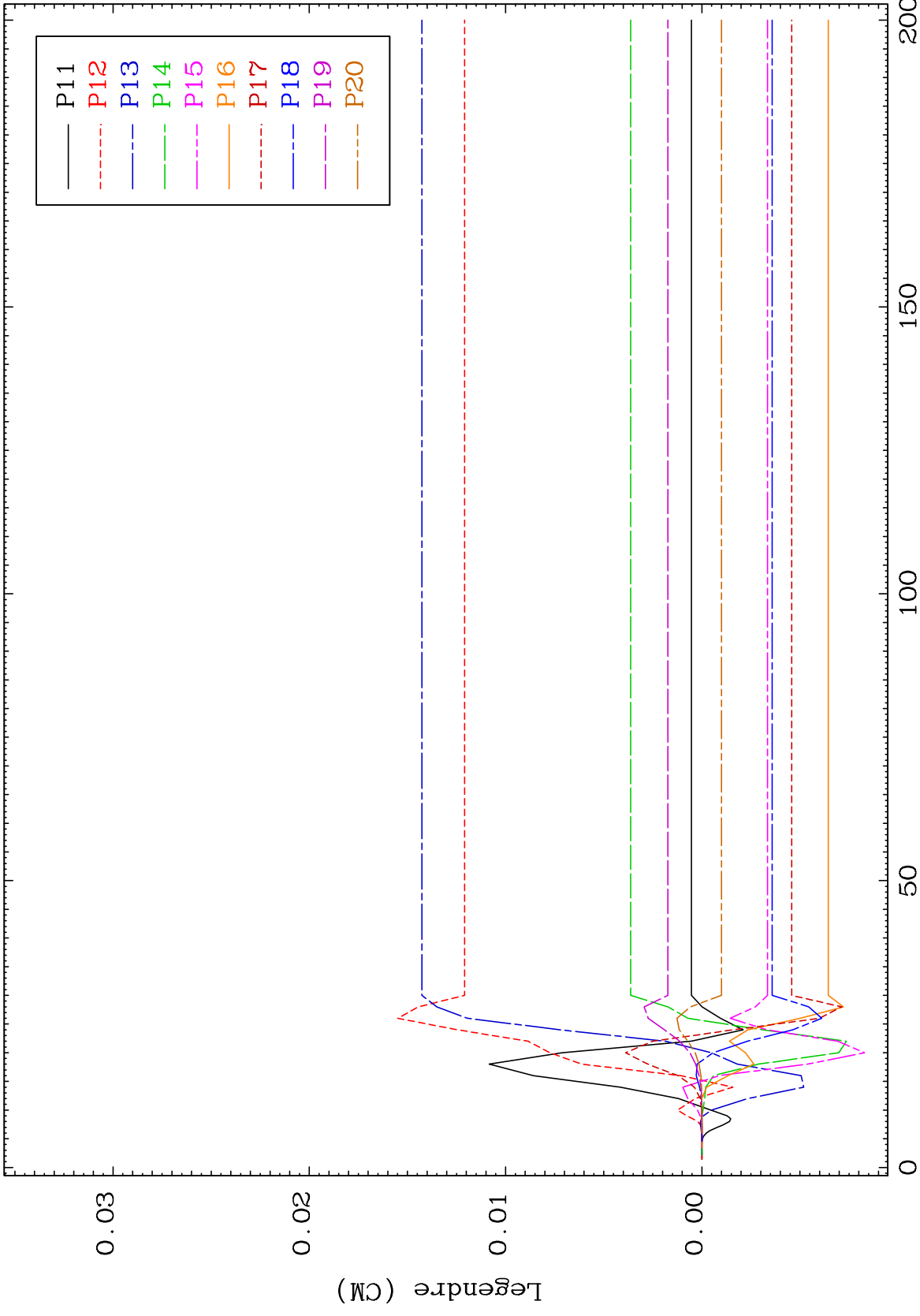


35 Incident Energy (MeV) 75-Re-189

MAT 7537

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

75-Re-189



36

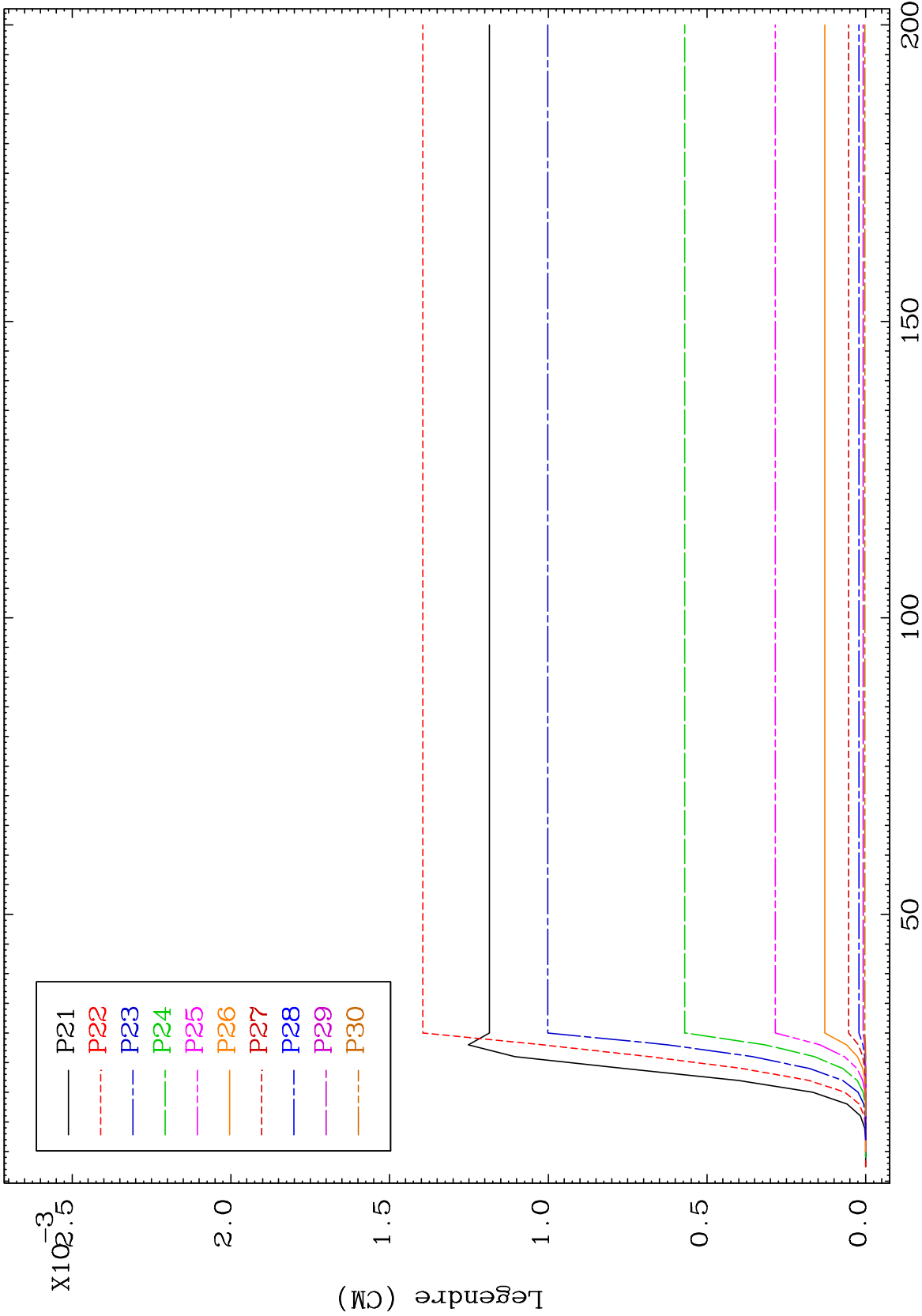
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



37

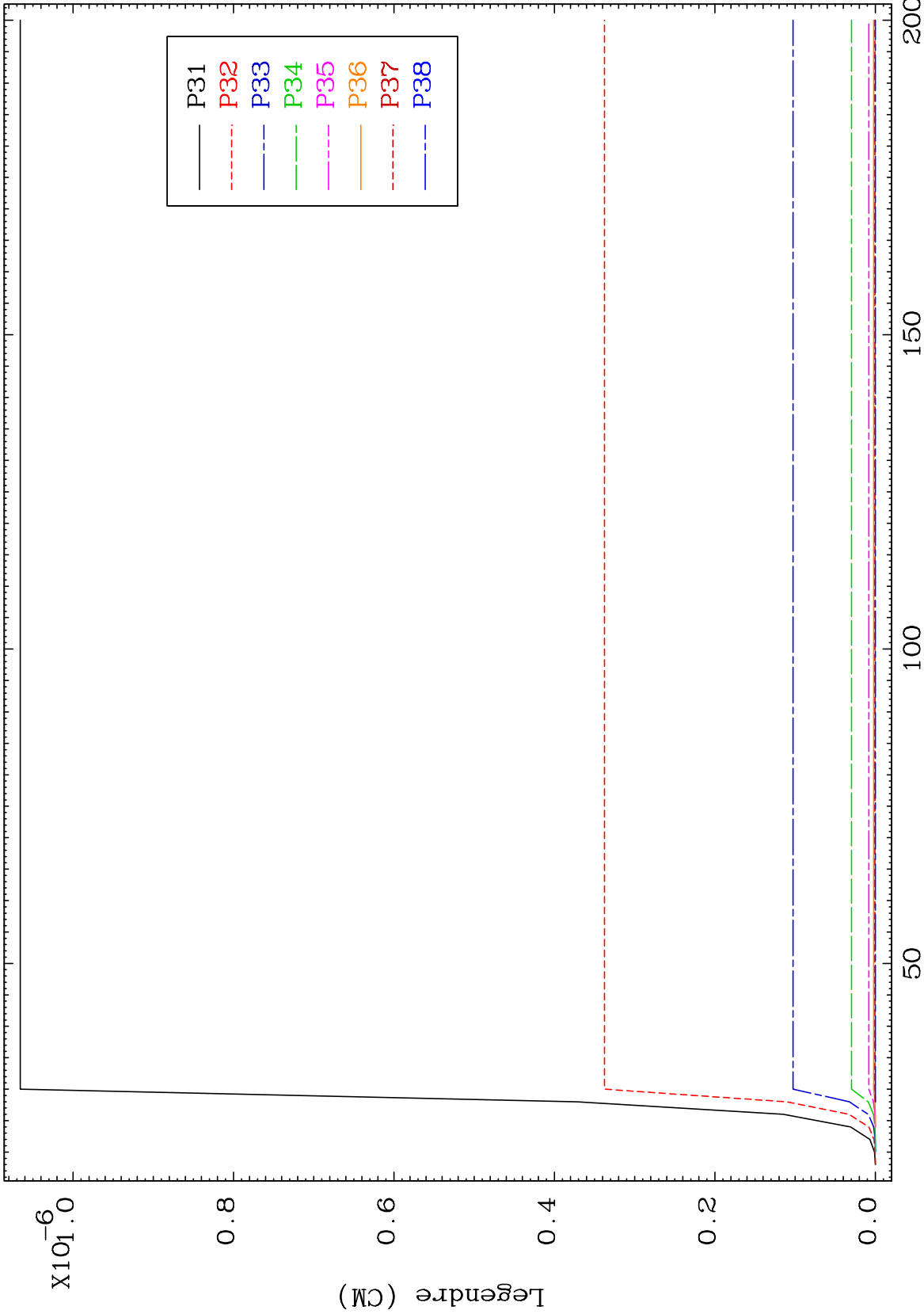
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



38

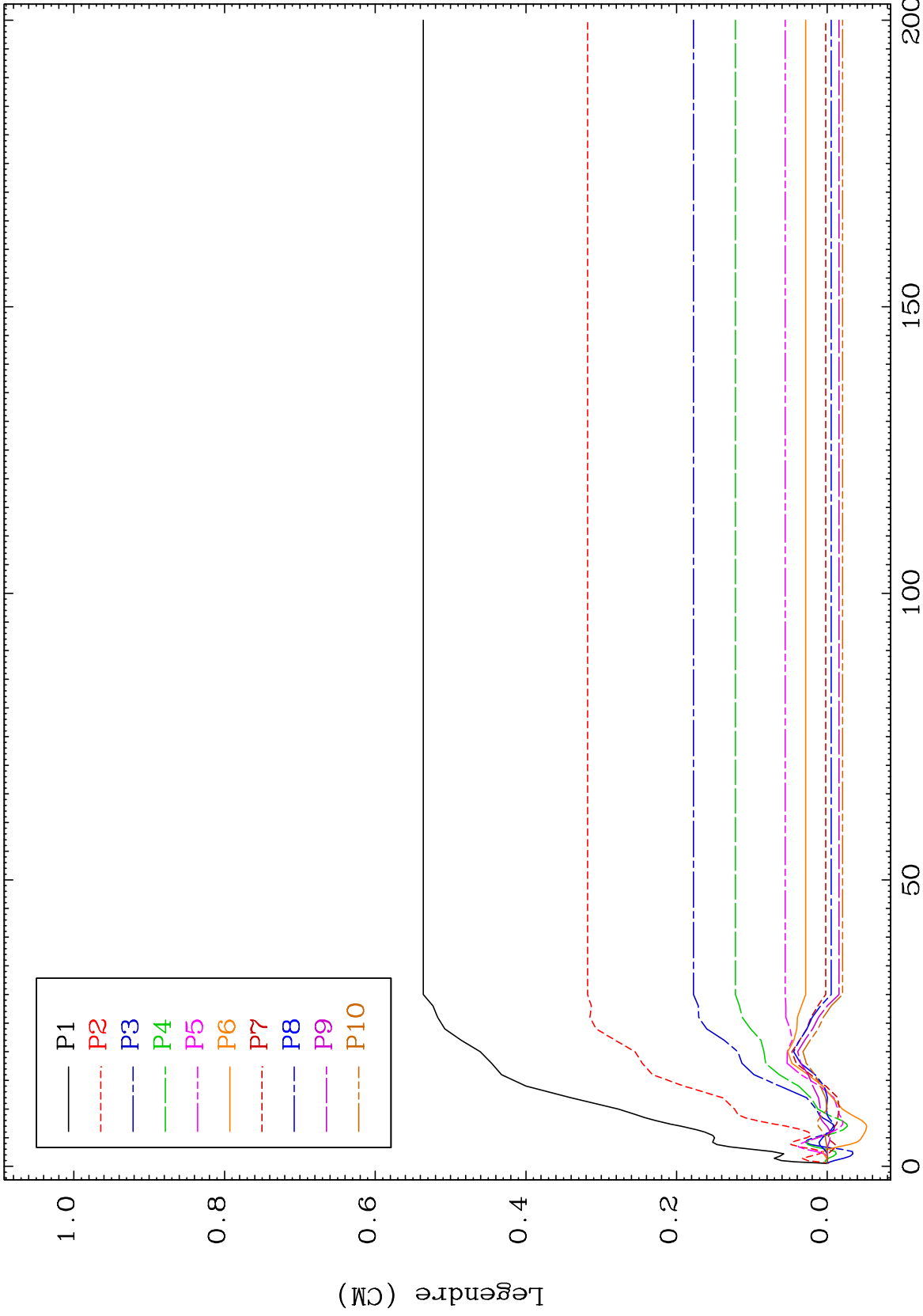
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



39

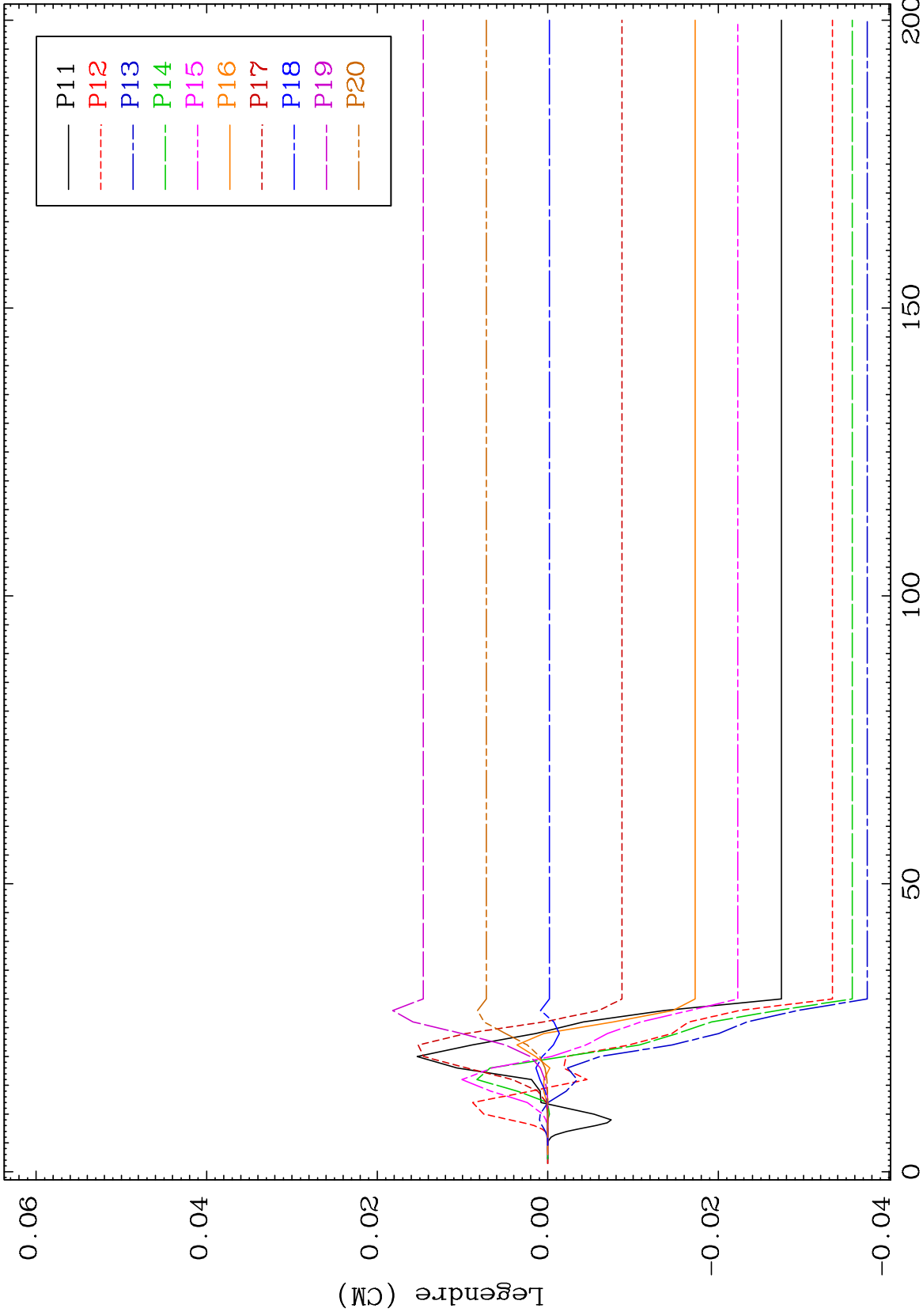
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



40

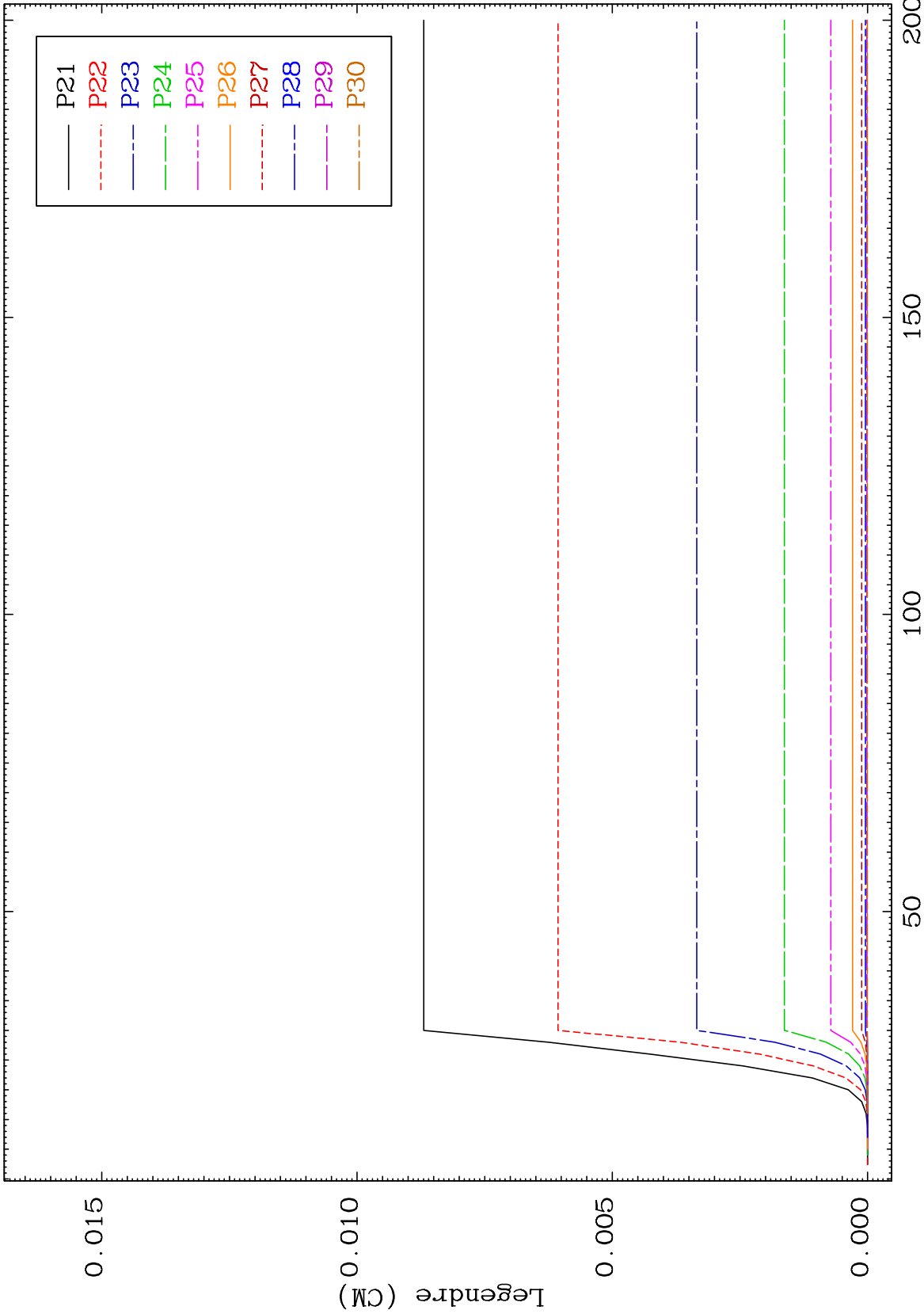
Incident Energy (MeV)

75-Re-189

MAT 7537

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

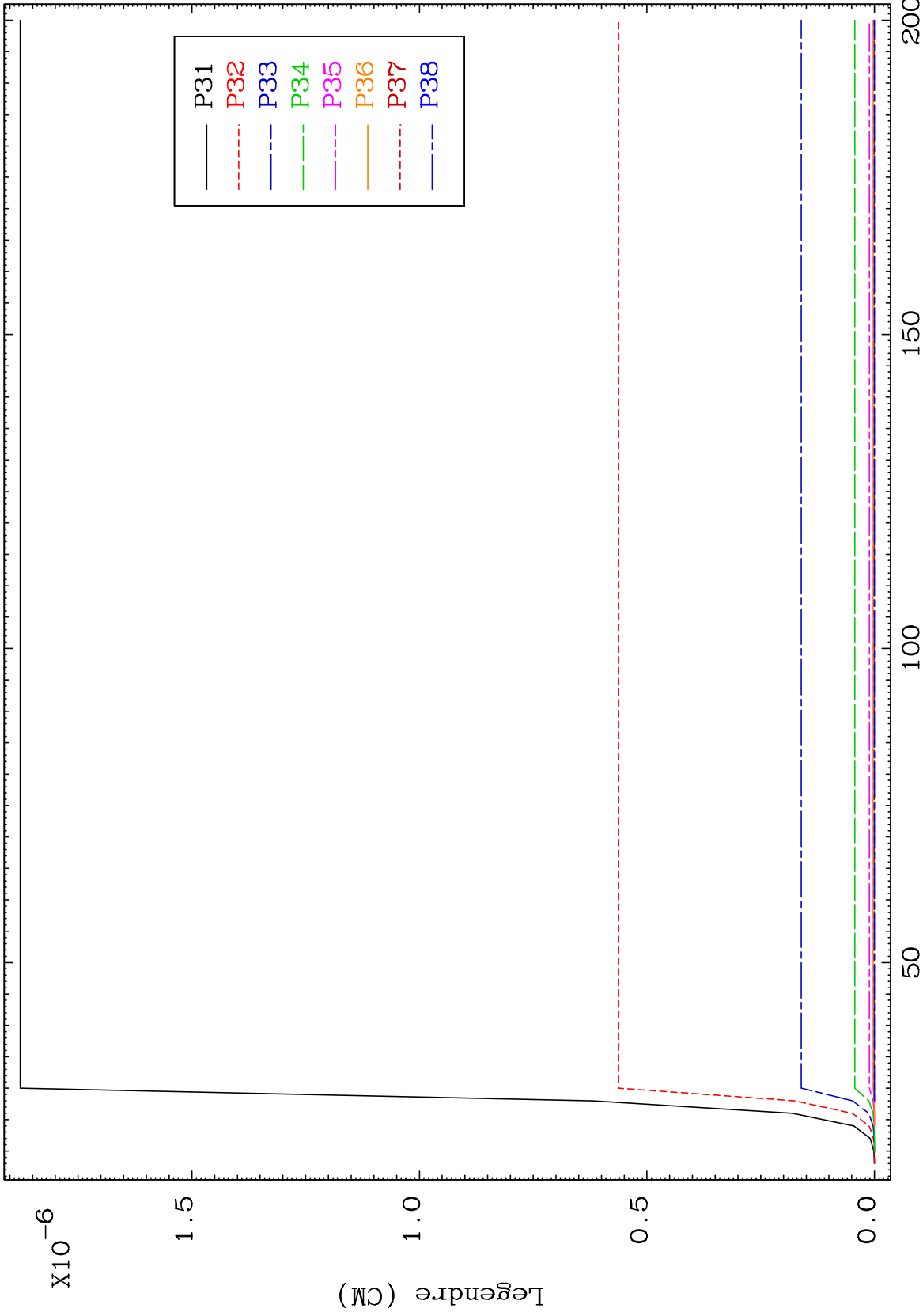
75-Re-189



MAT 7537

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

75-Re-189



42

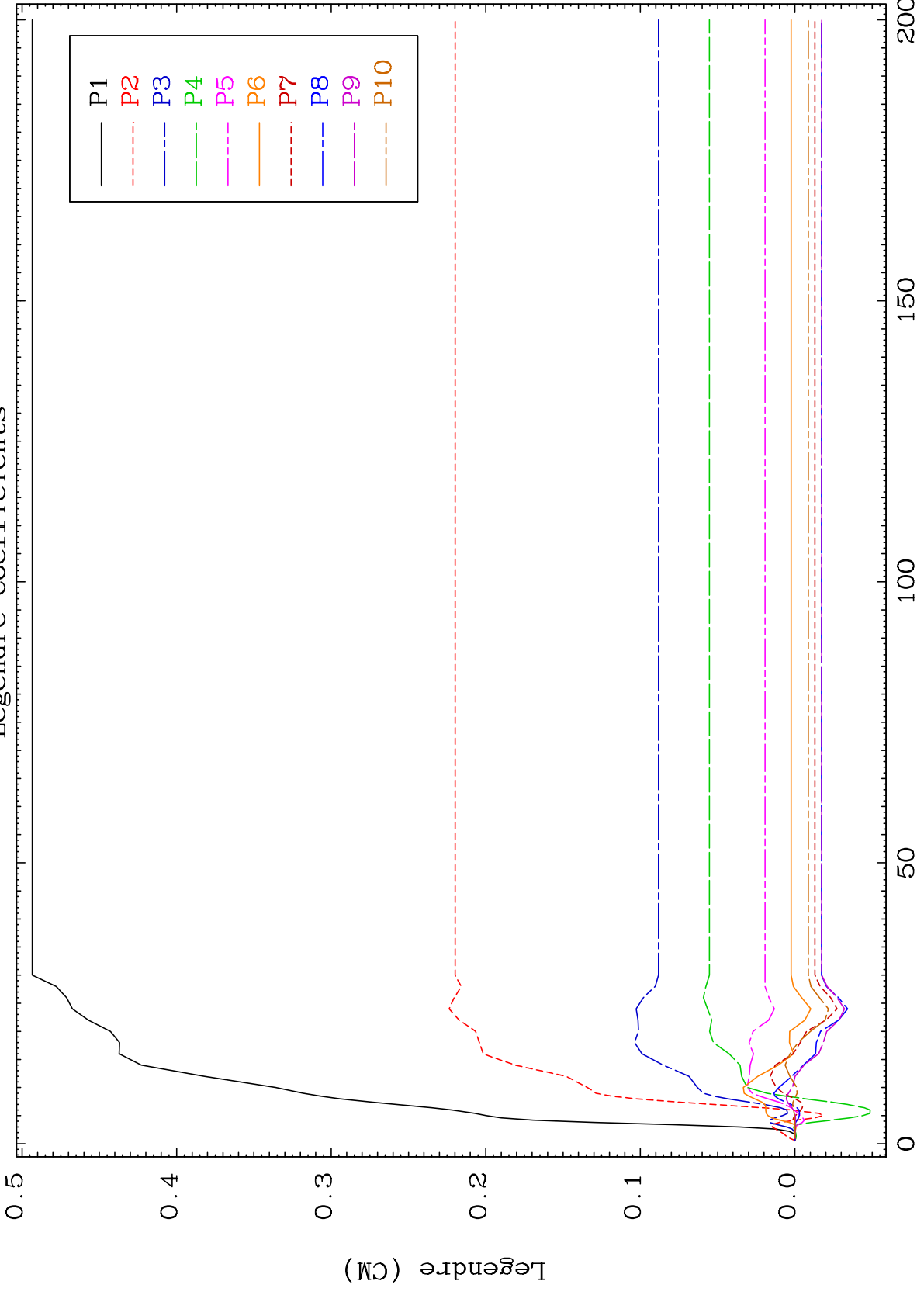
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



43

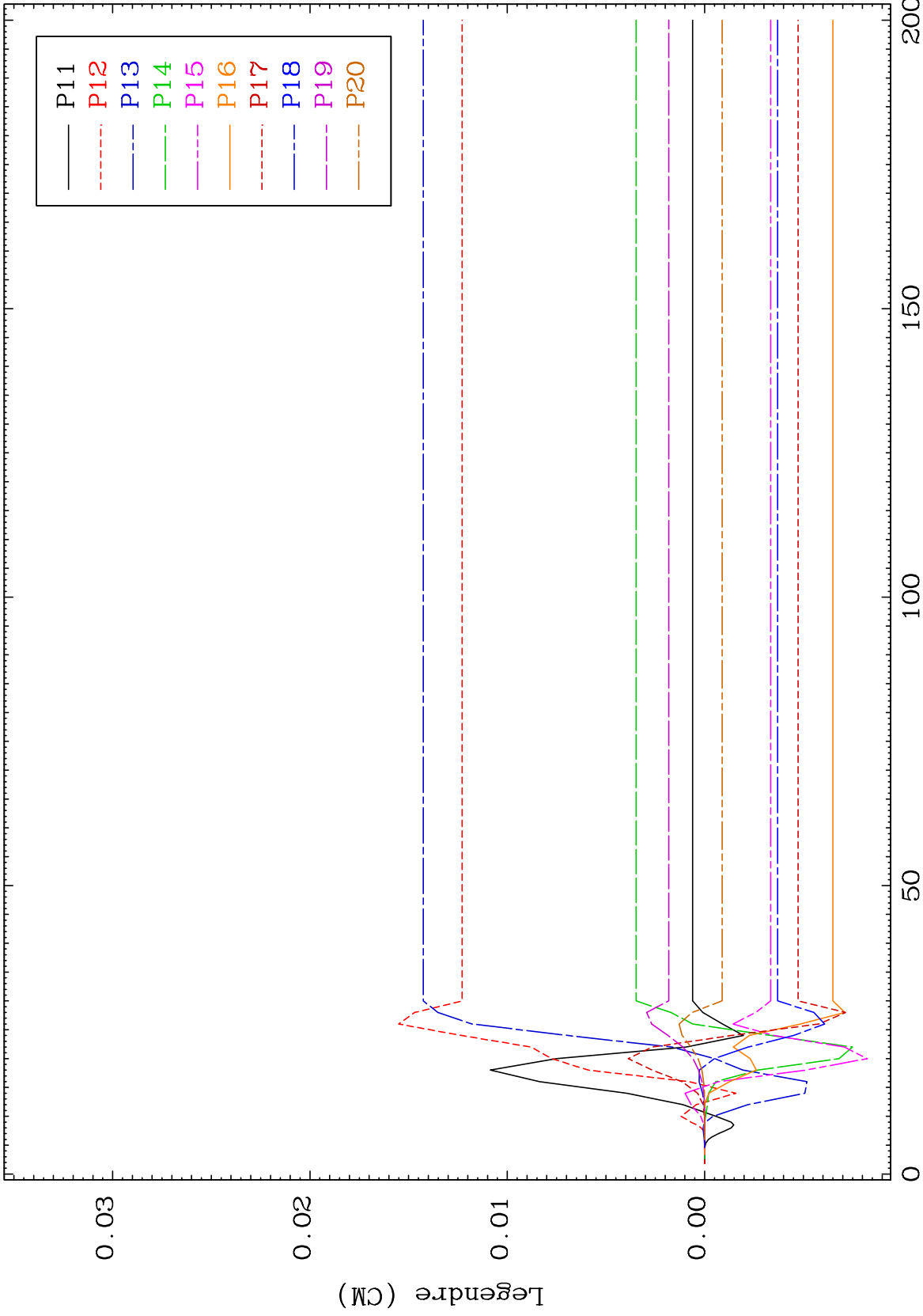
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



44

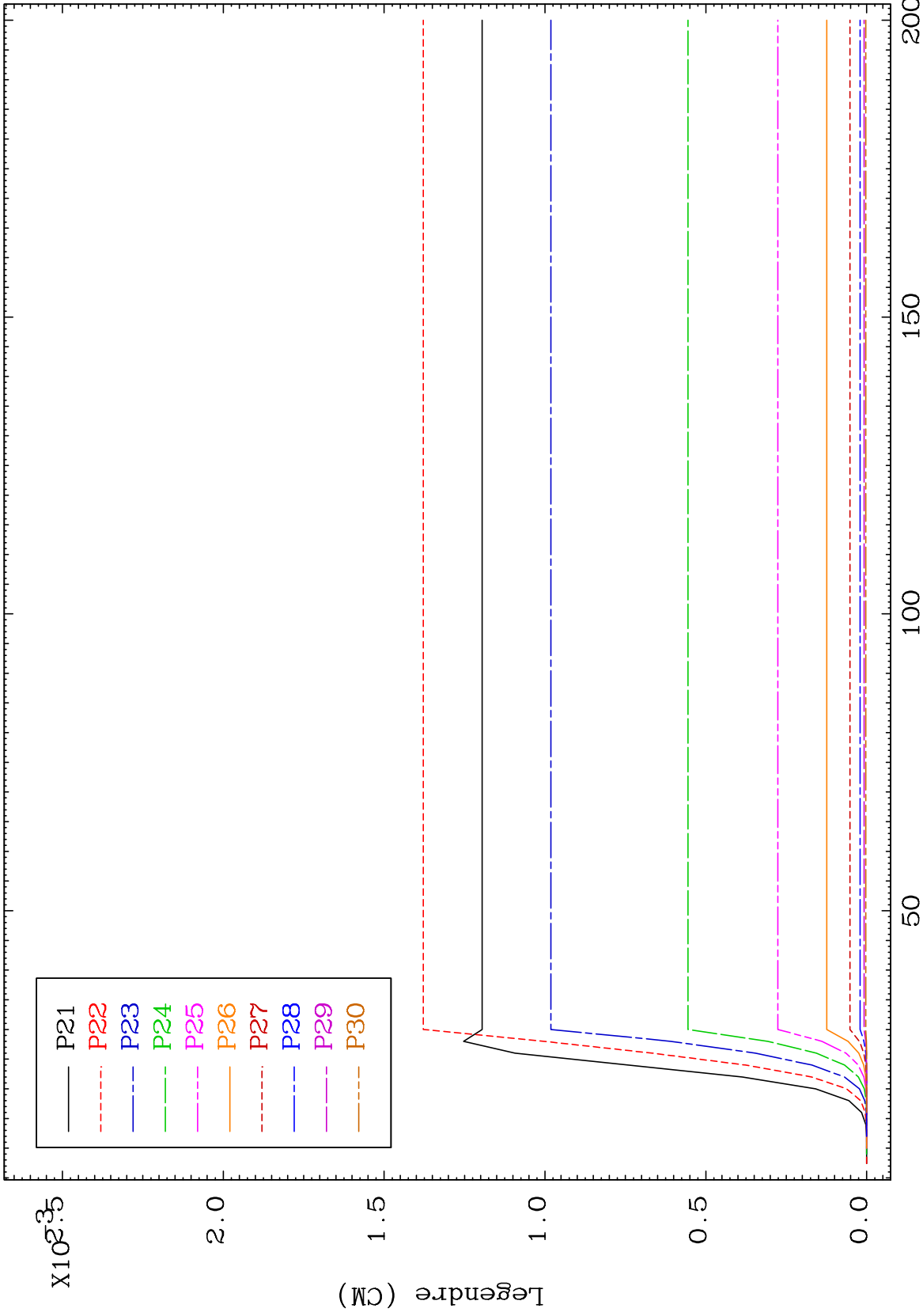
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



45

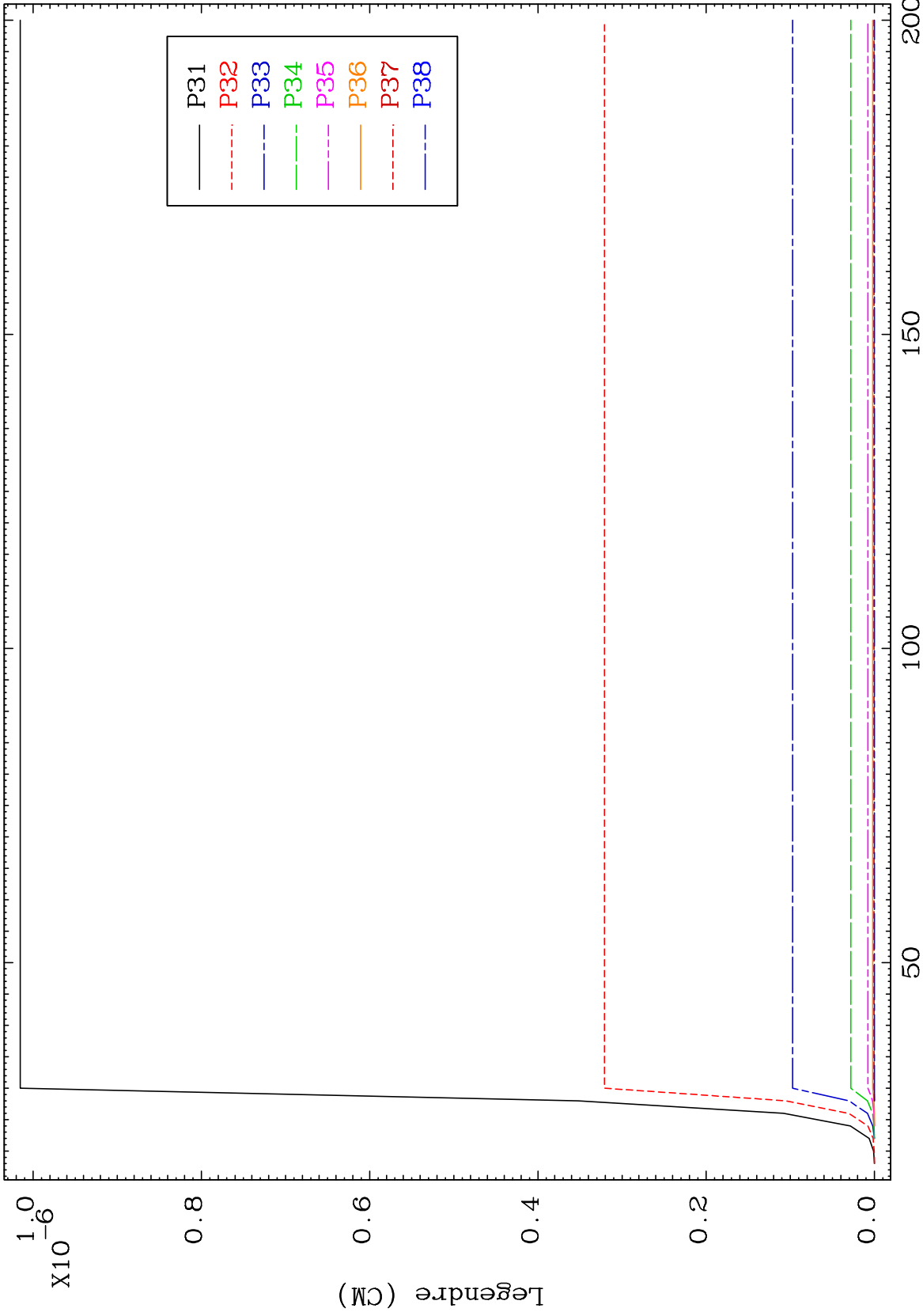
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189

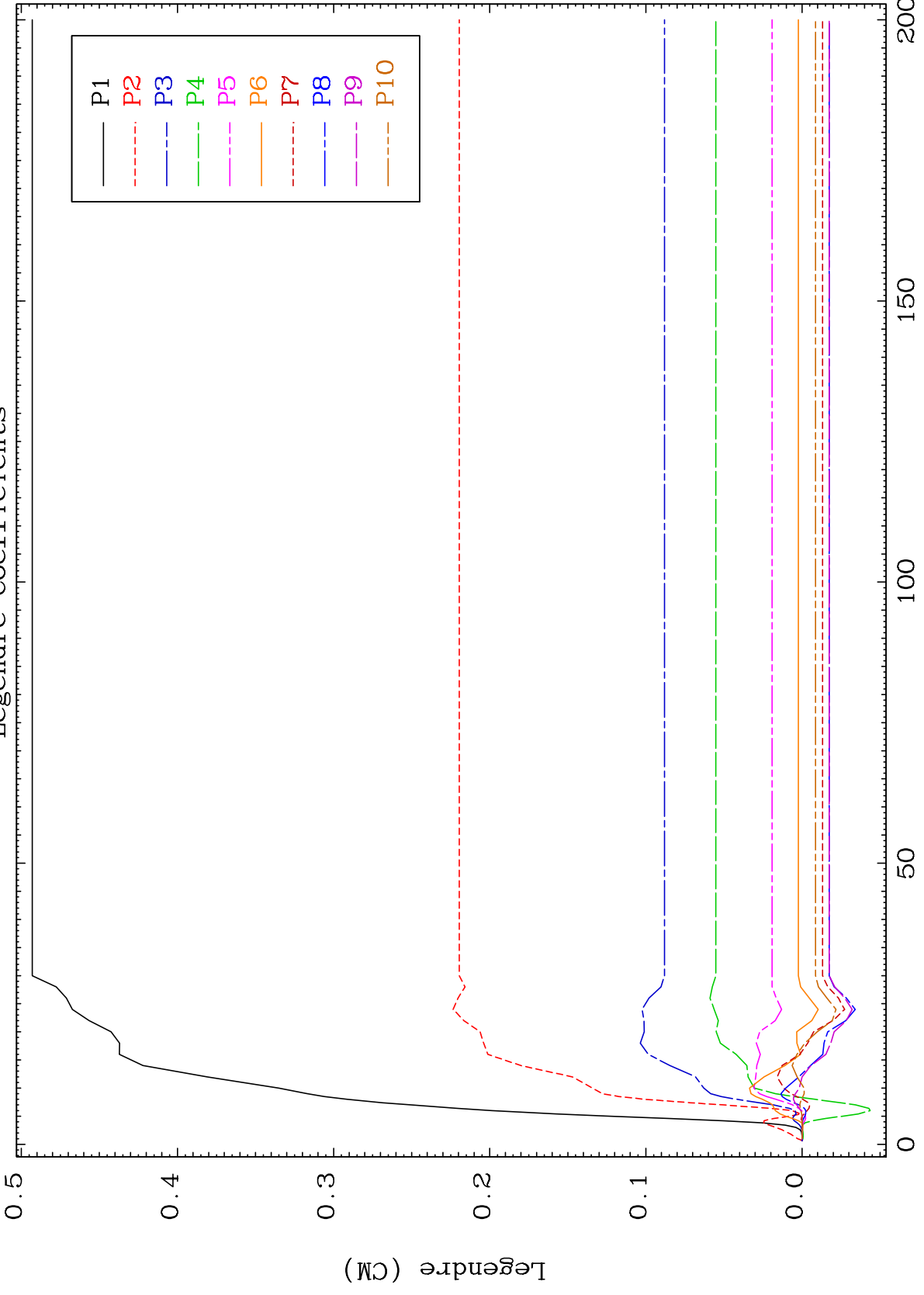


46

Incident Energy (MeV)

75-Re-189

MAT 7537 MT= 58 (n,n') Level Legendre Coefficients 75-Re-189

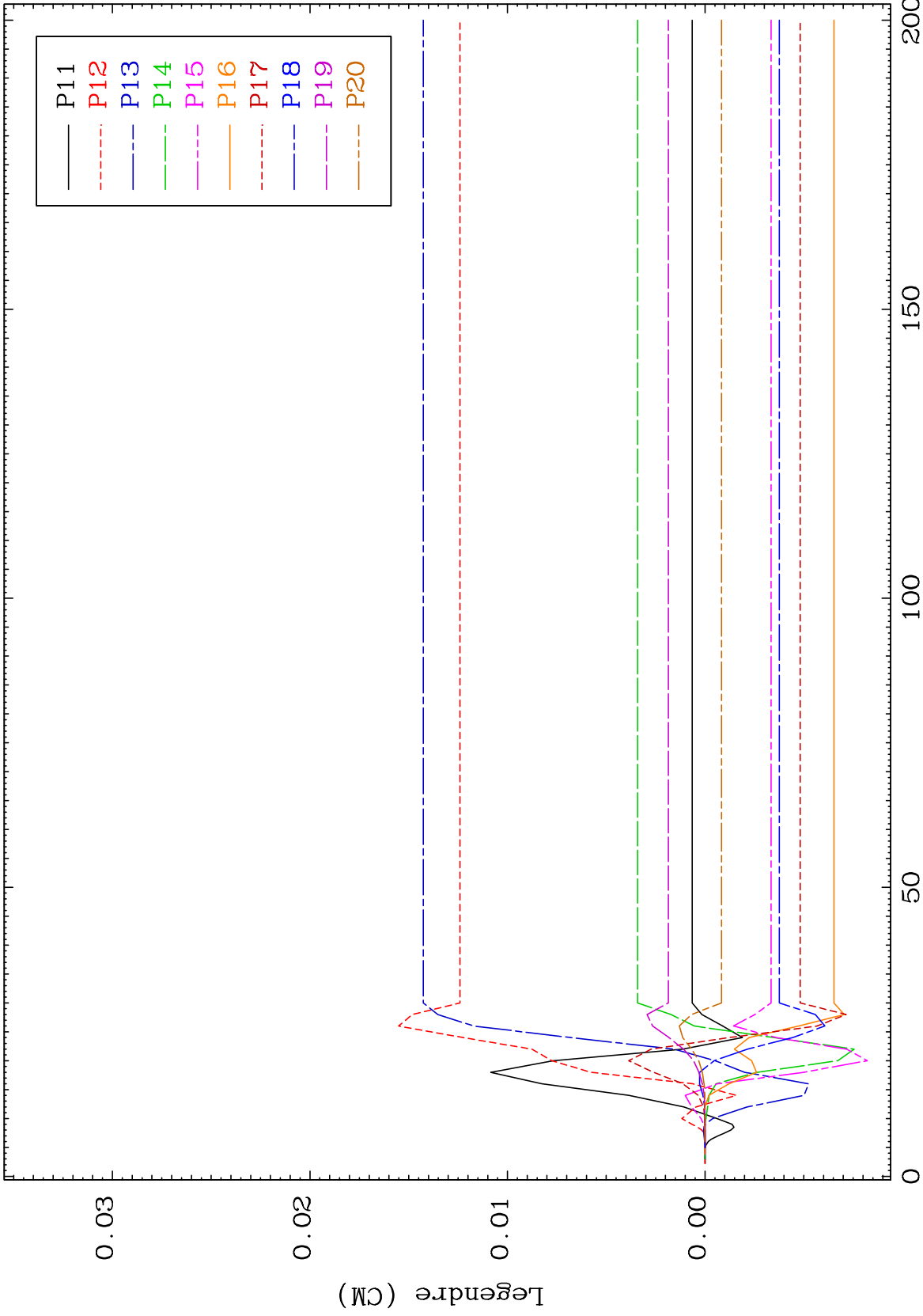


47 75-Re-189

MAT 7537

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

75-Re-189



48

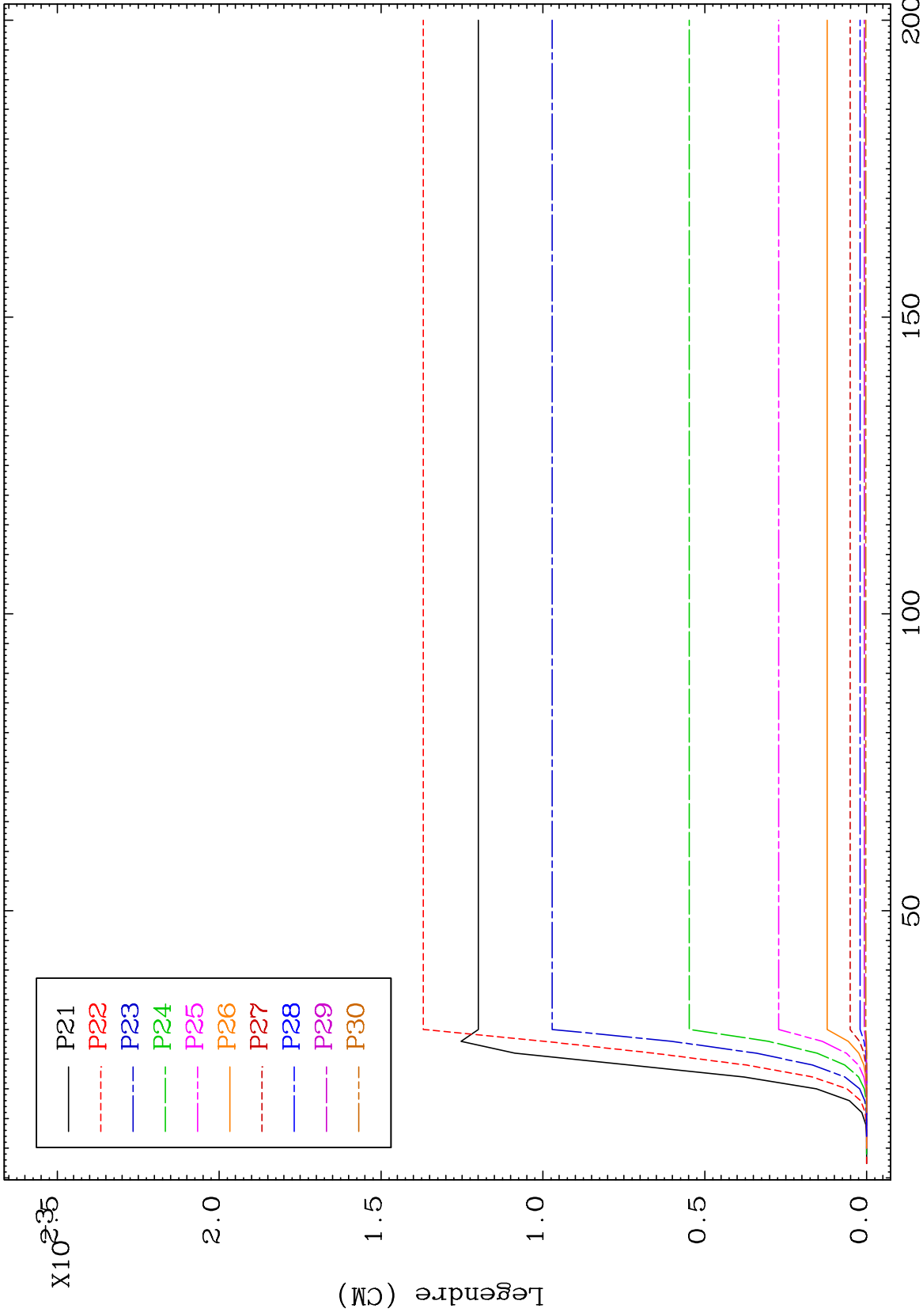
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



49

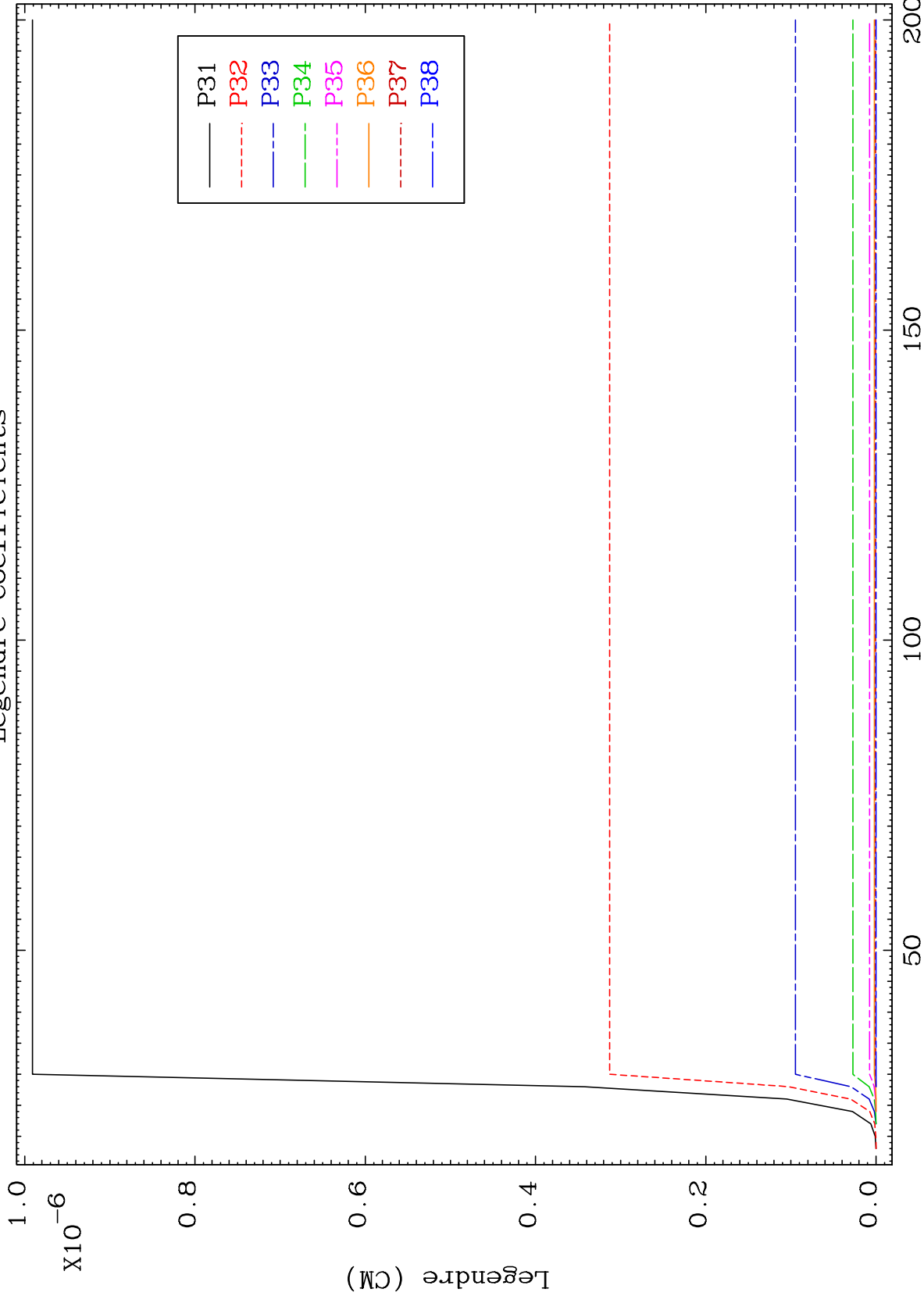
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



75-Re-189

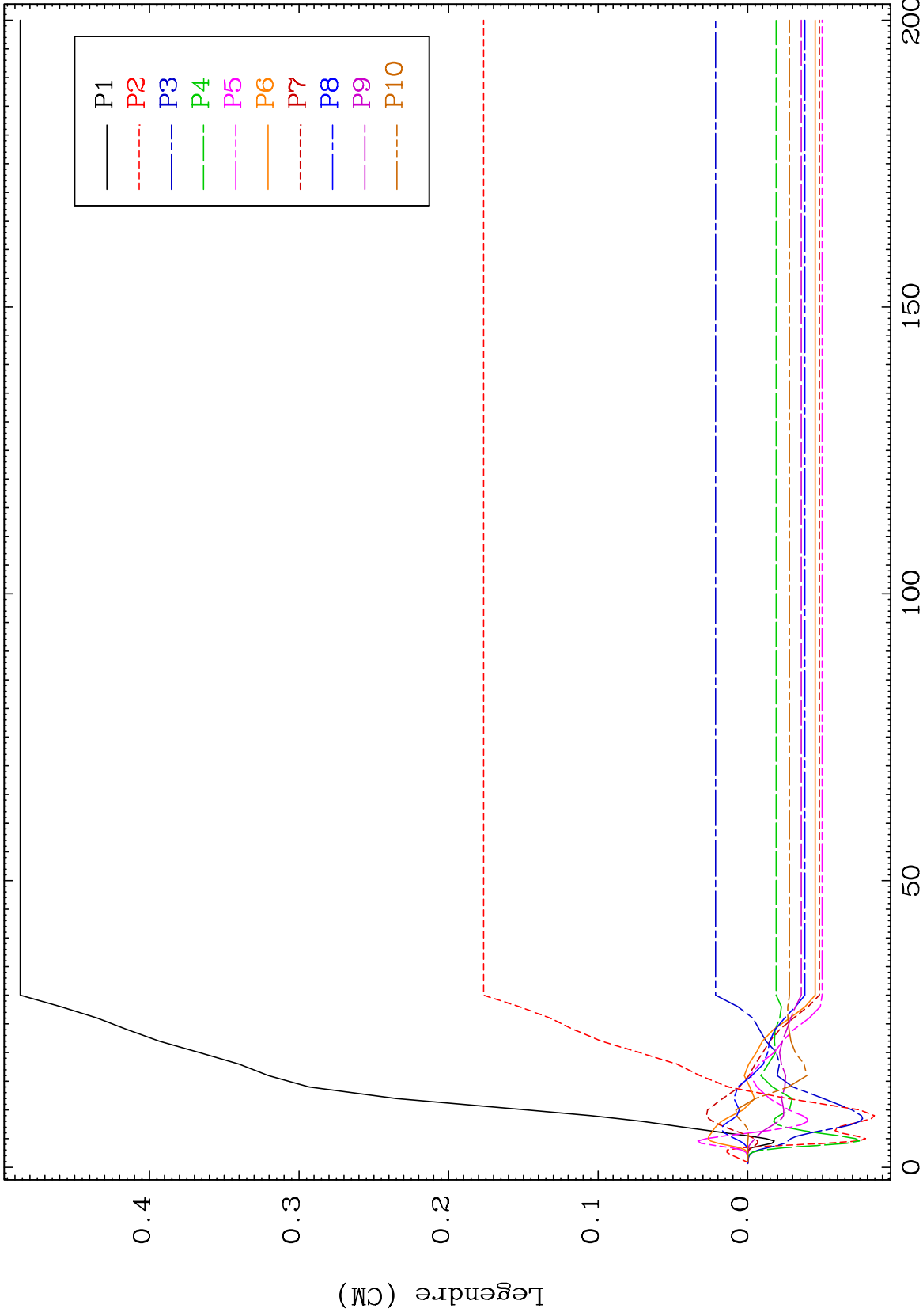
Incident Energy (MeV)

50

MAT 7537

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

75-Re-189



51

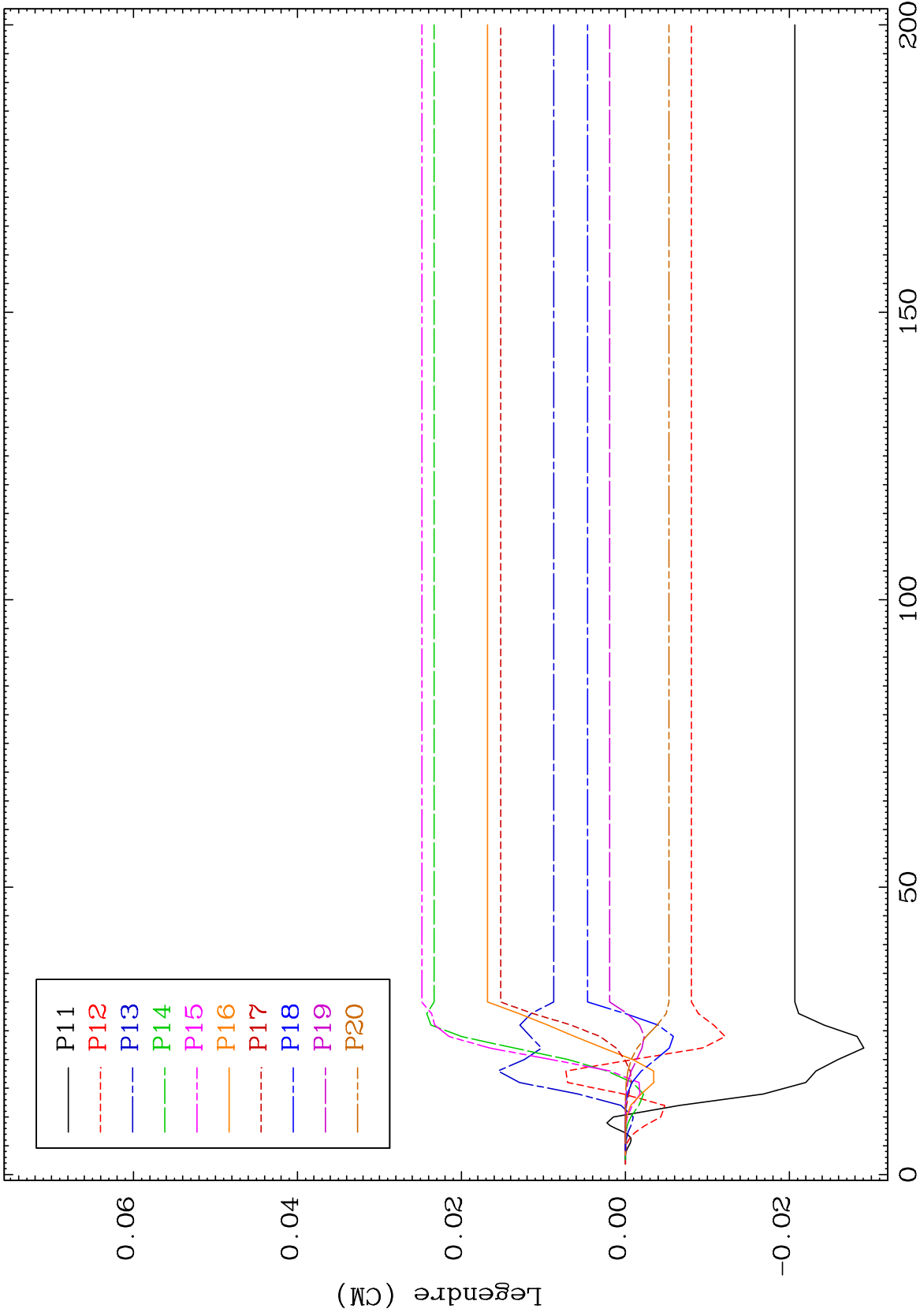
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



52

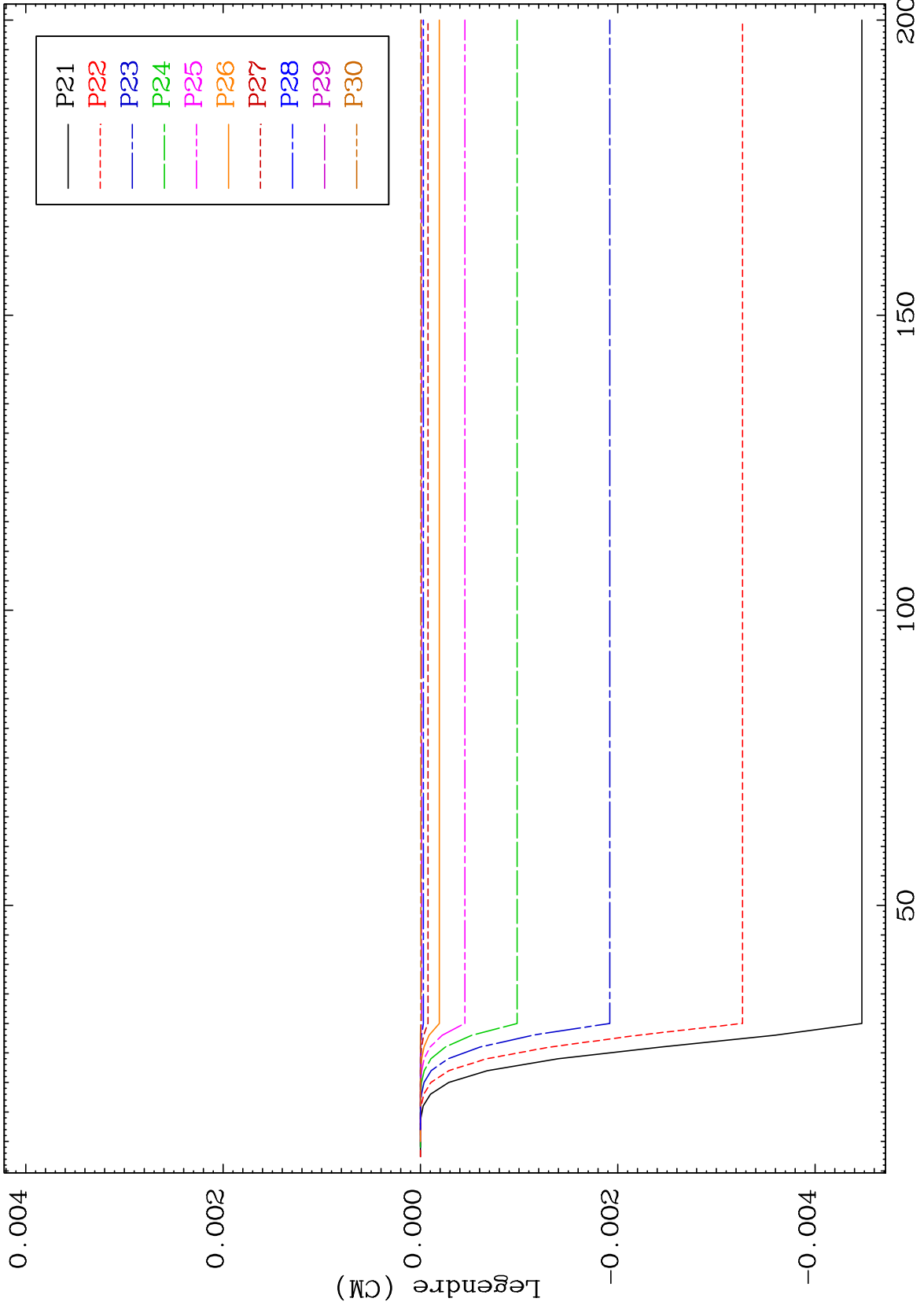
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



53

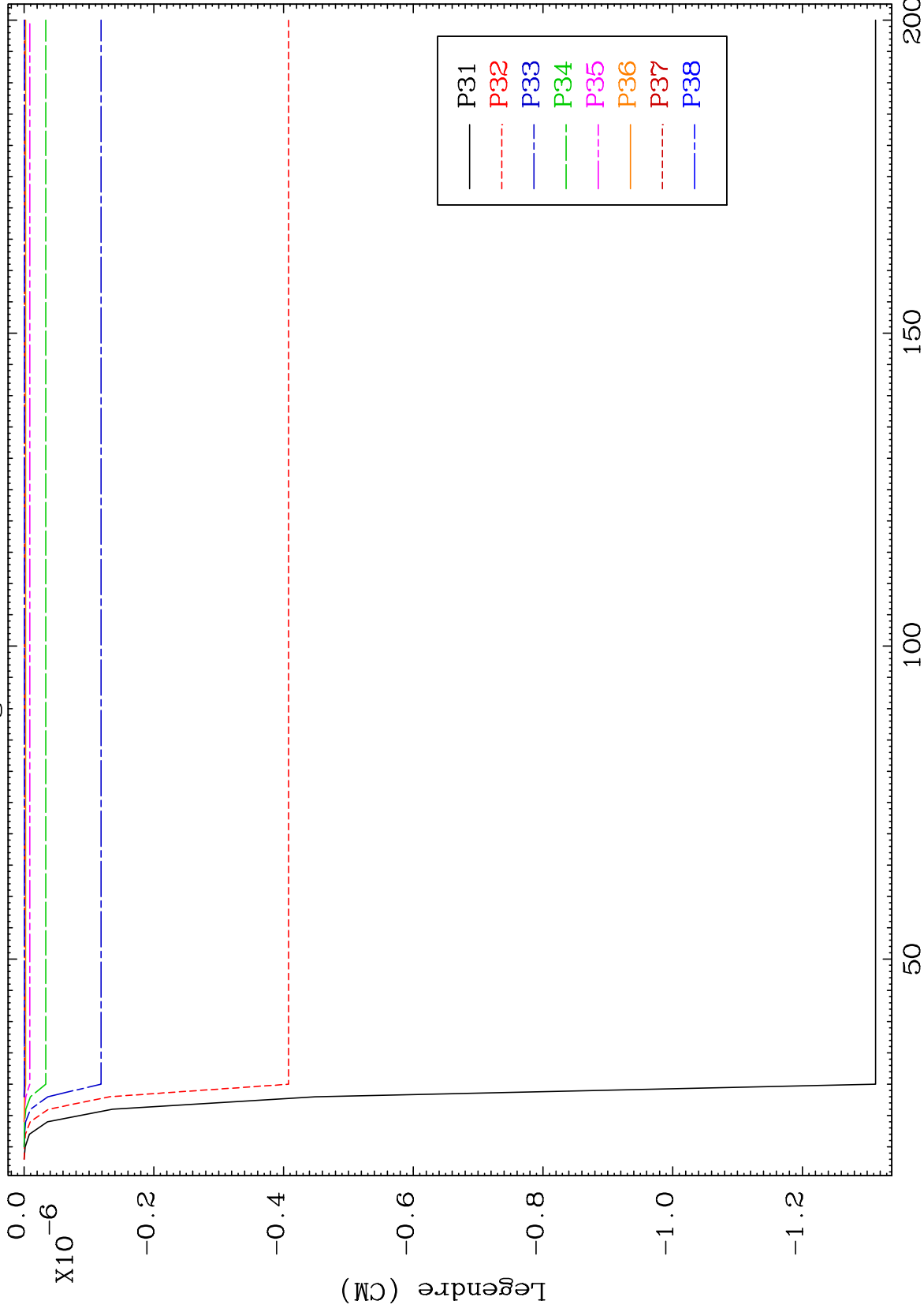
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



54

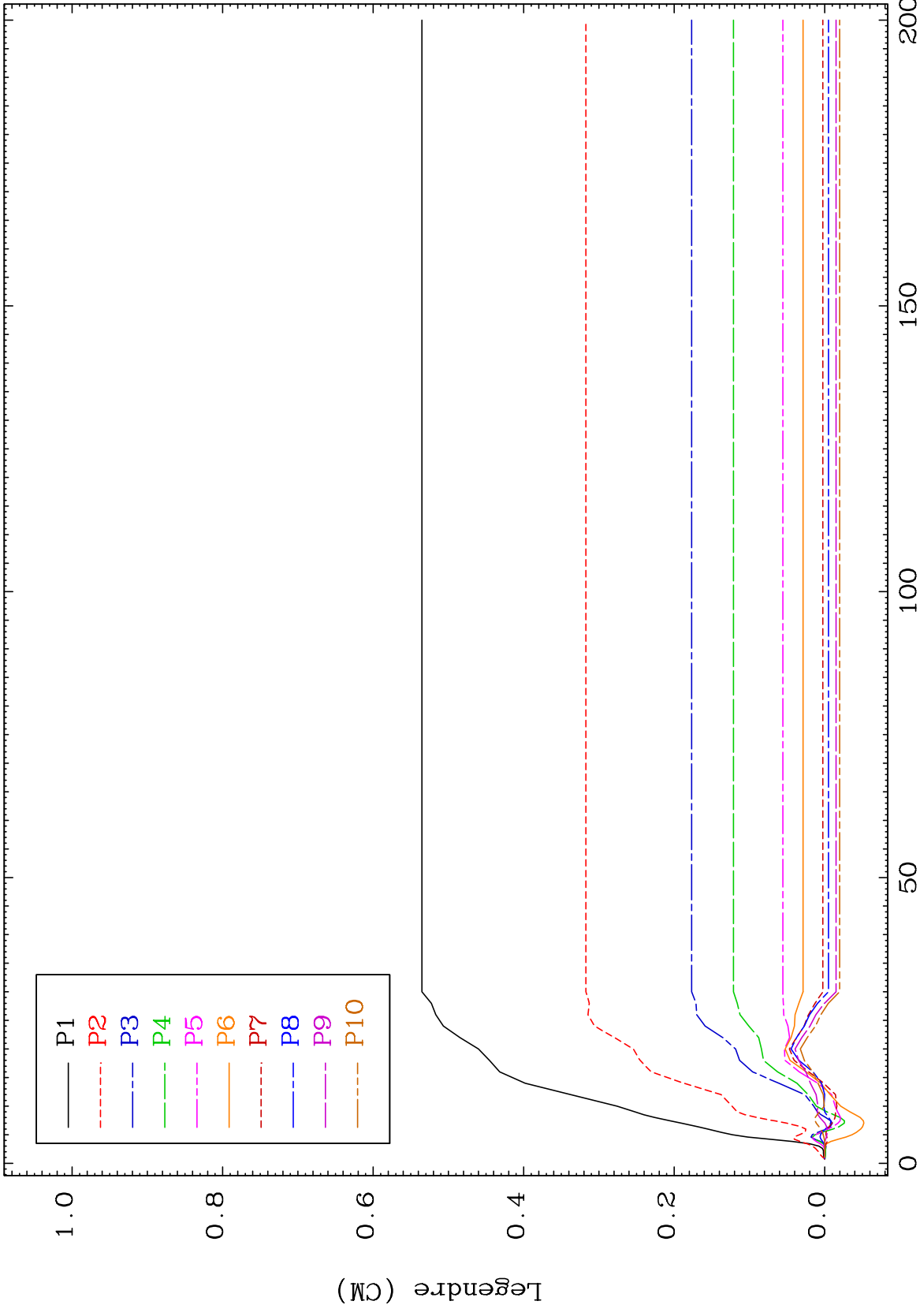
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



55

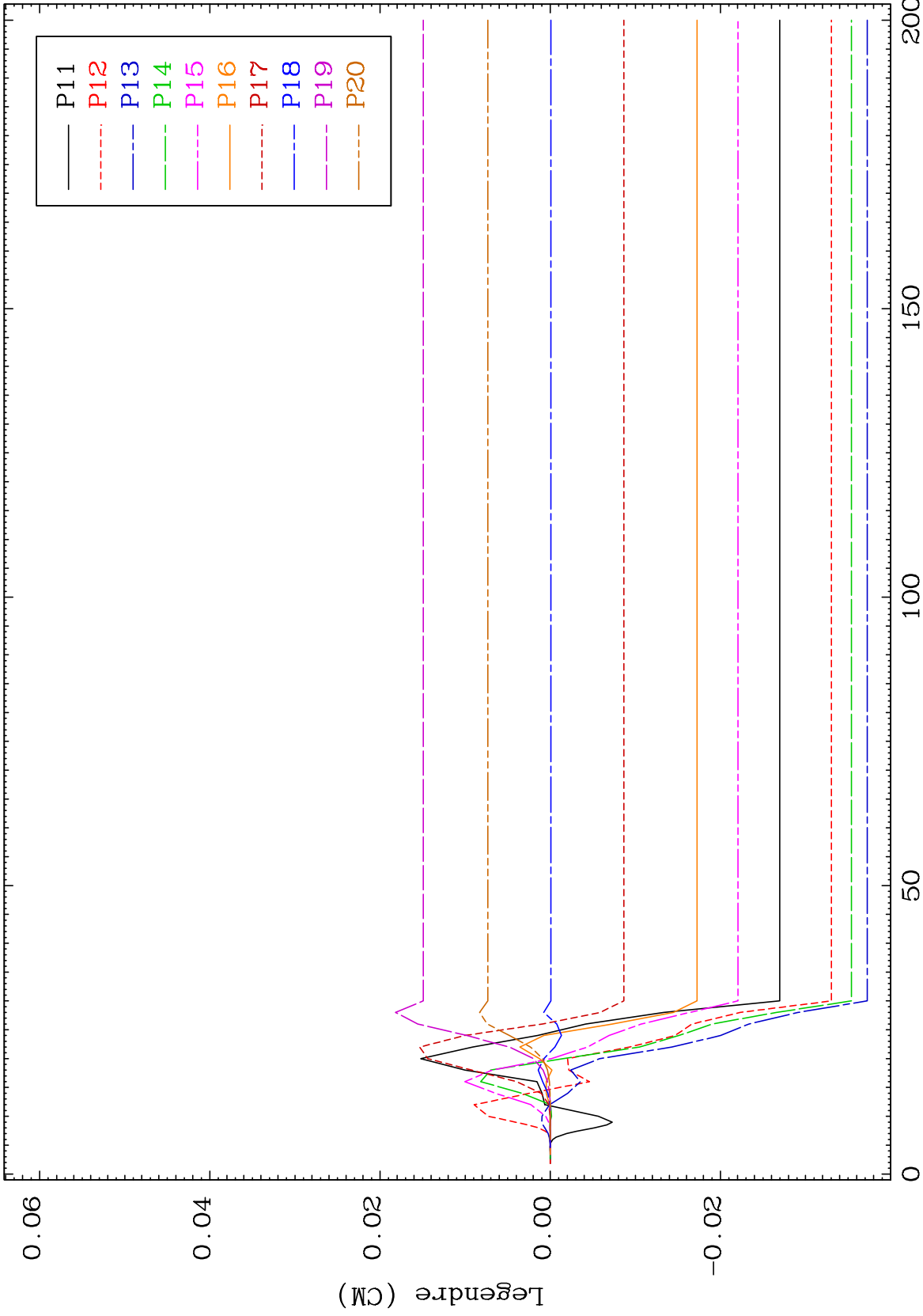
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



56

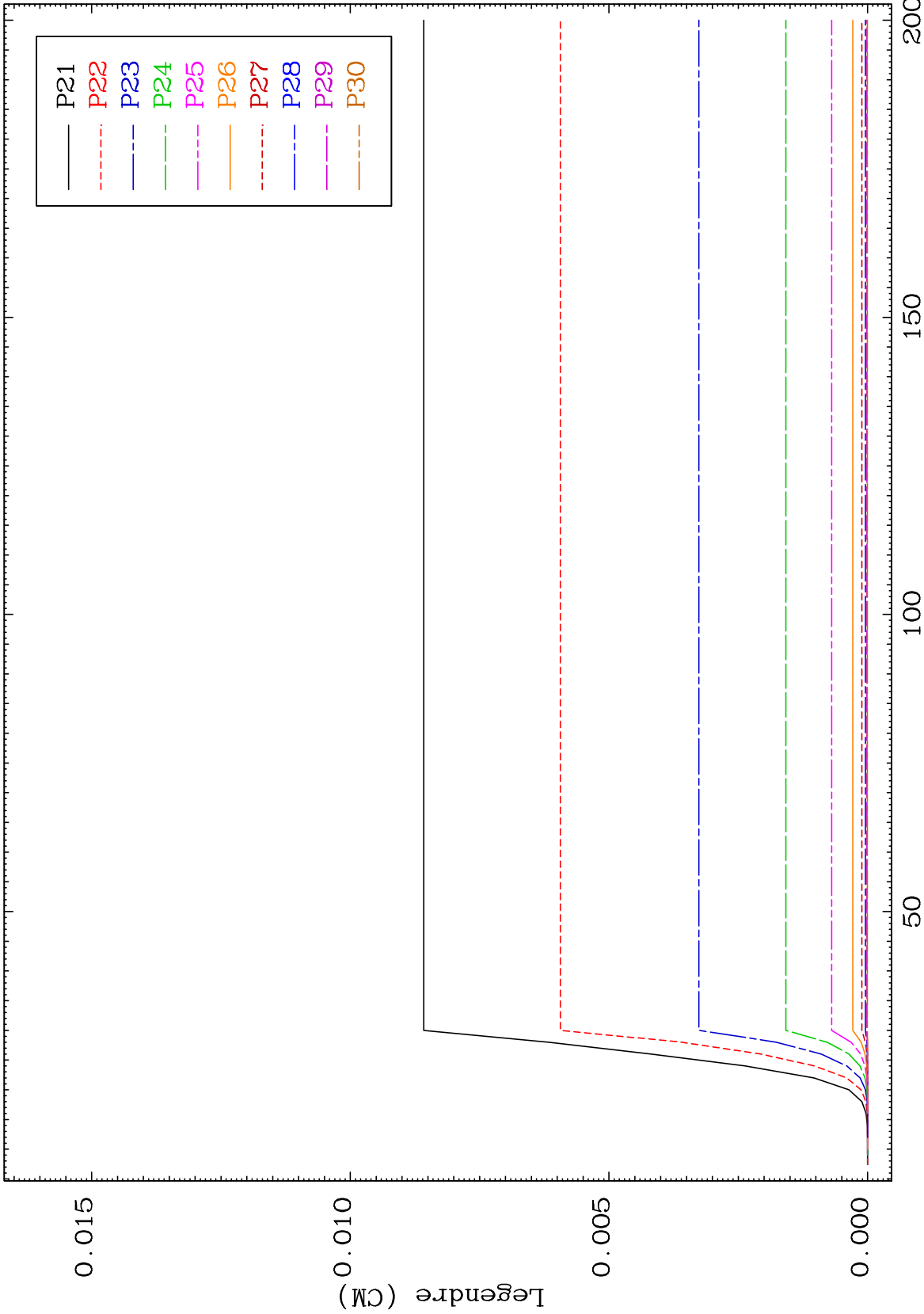
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



57

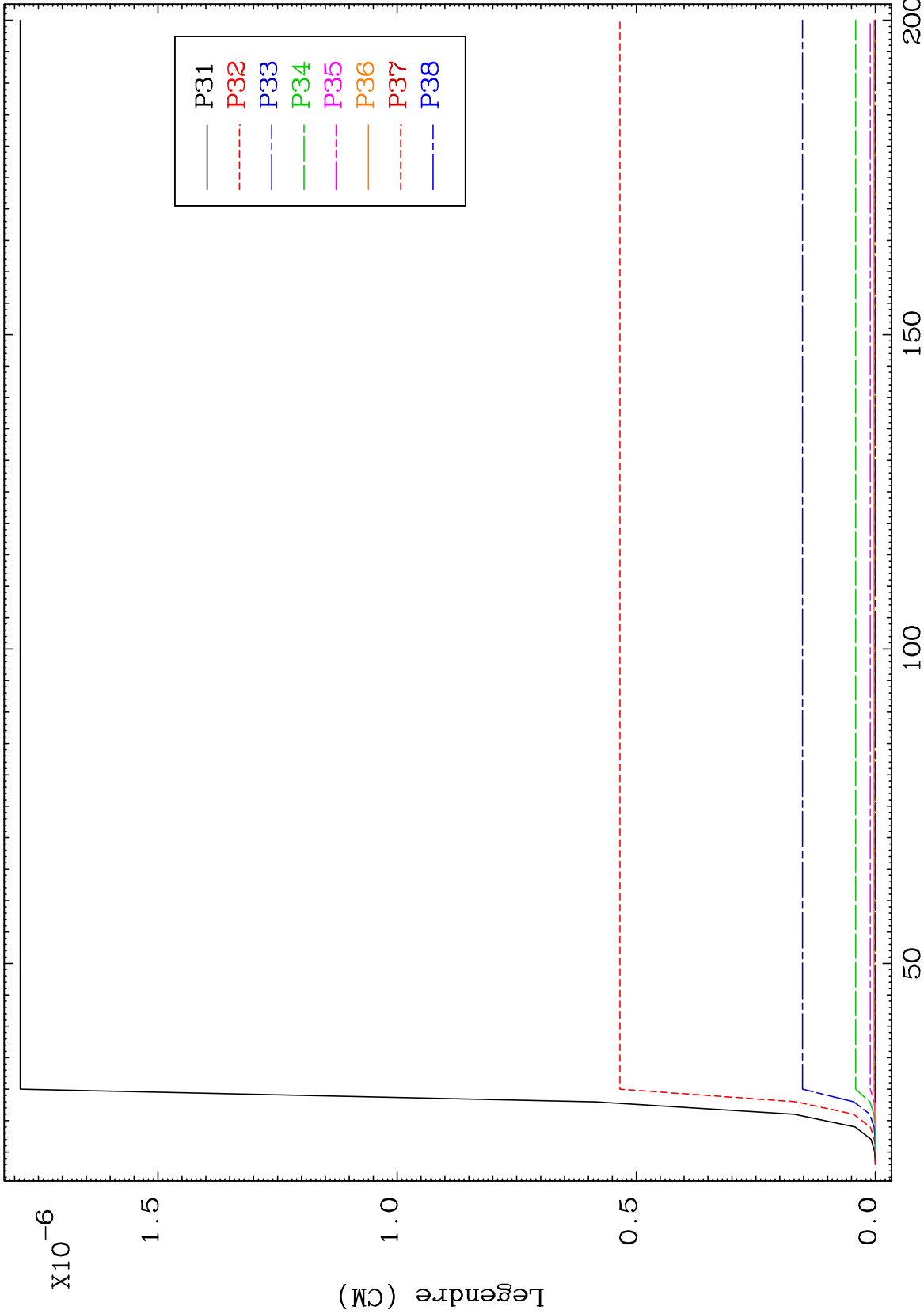
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



58

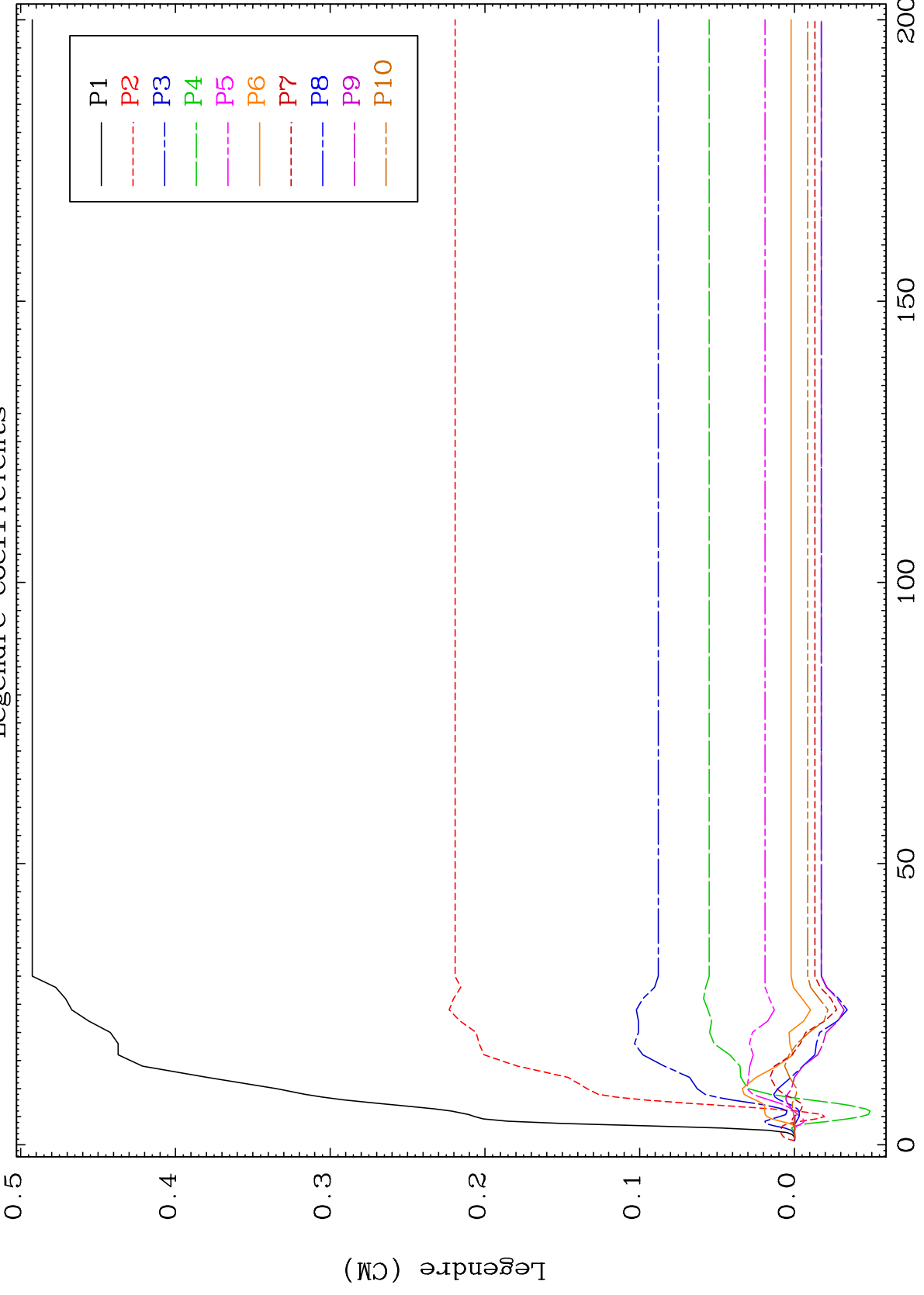
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



59

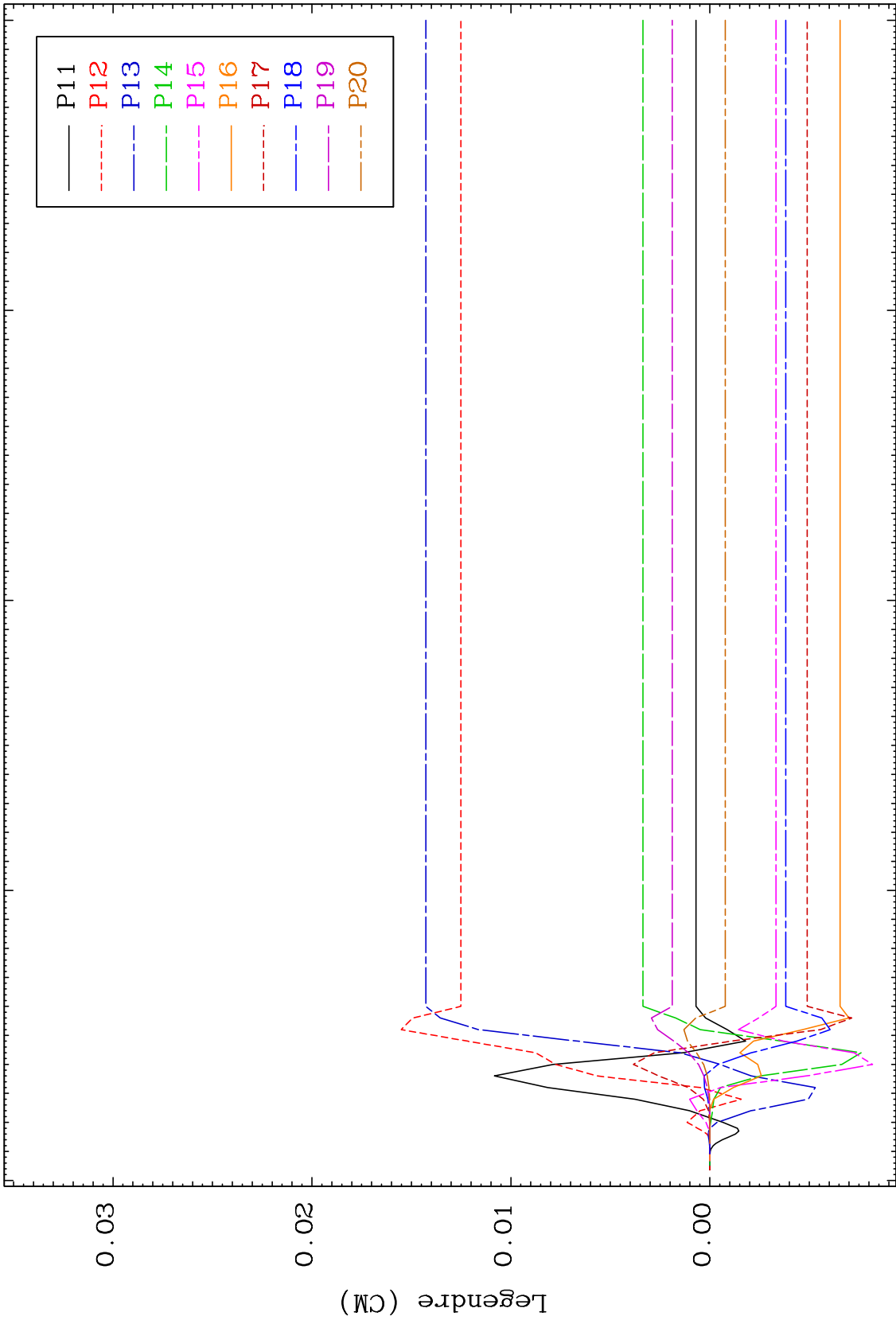
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



60

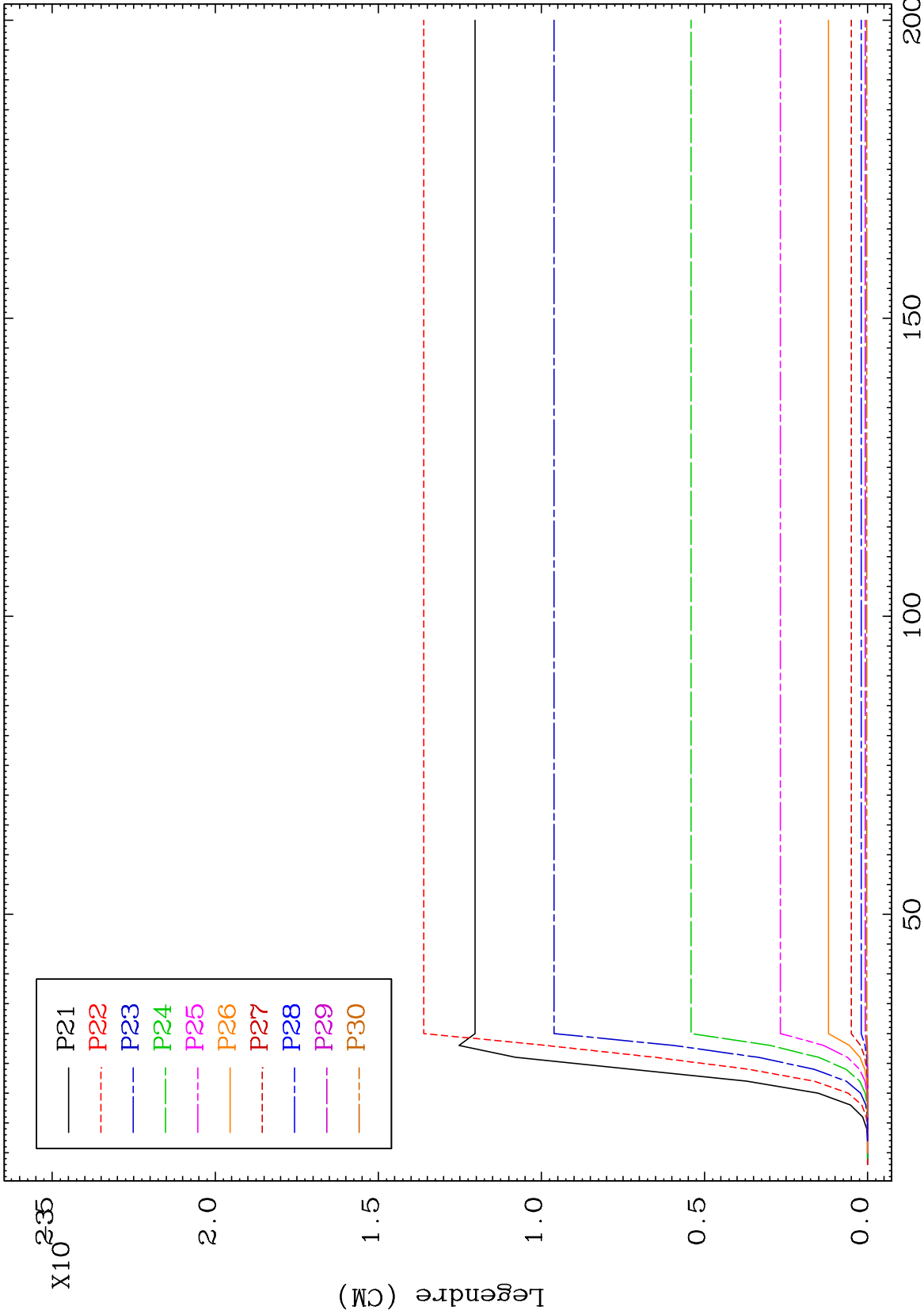
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



61

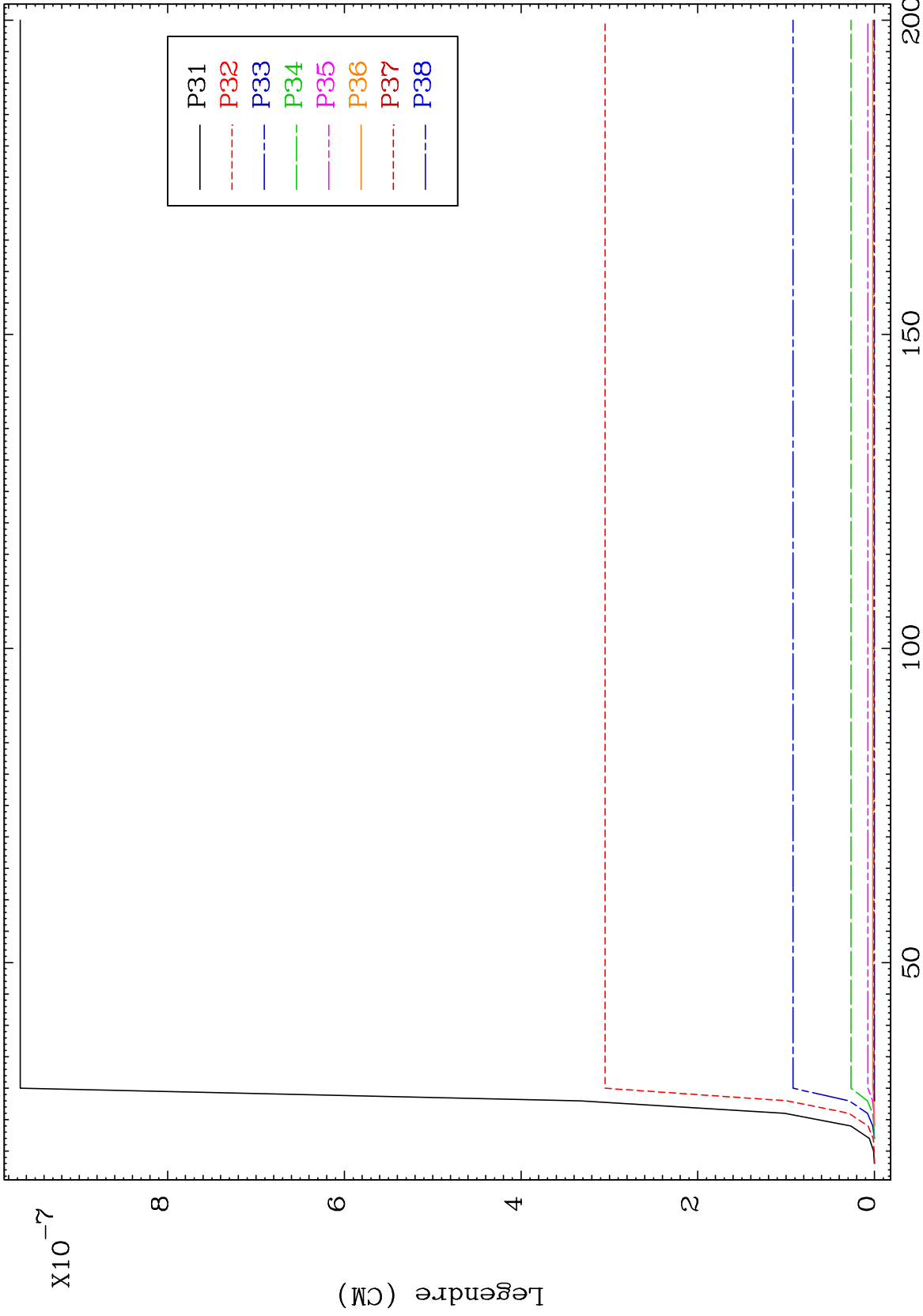
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189

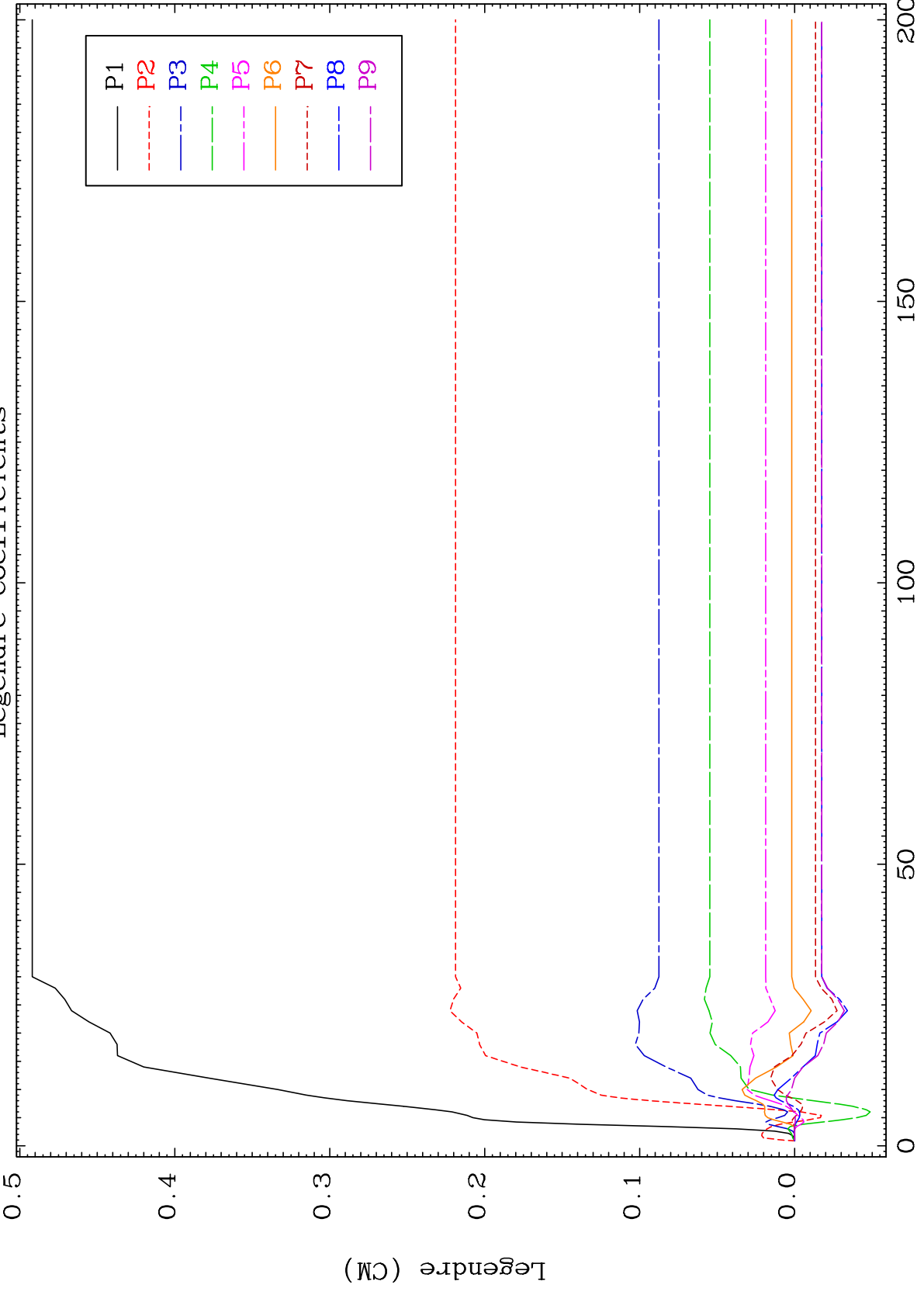


62

Incident Energy (MeV)

75-Re-189

MAT 7537 MT= 62 (n,n') Level Legendre Coefficients 75-Re-189

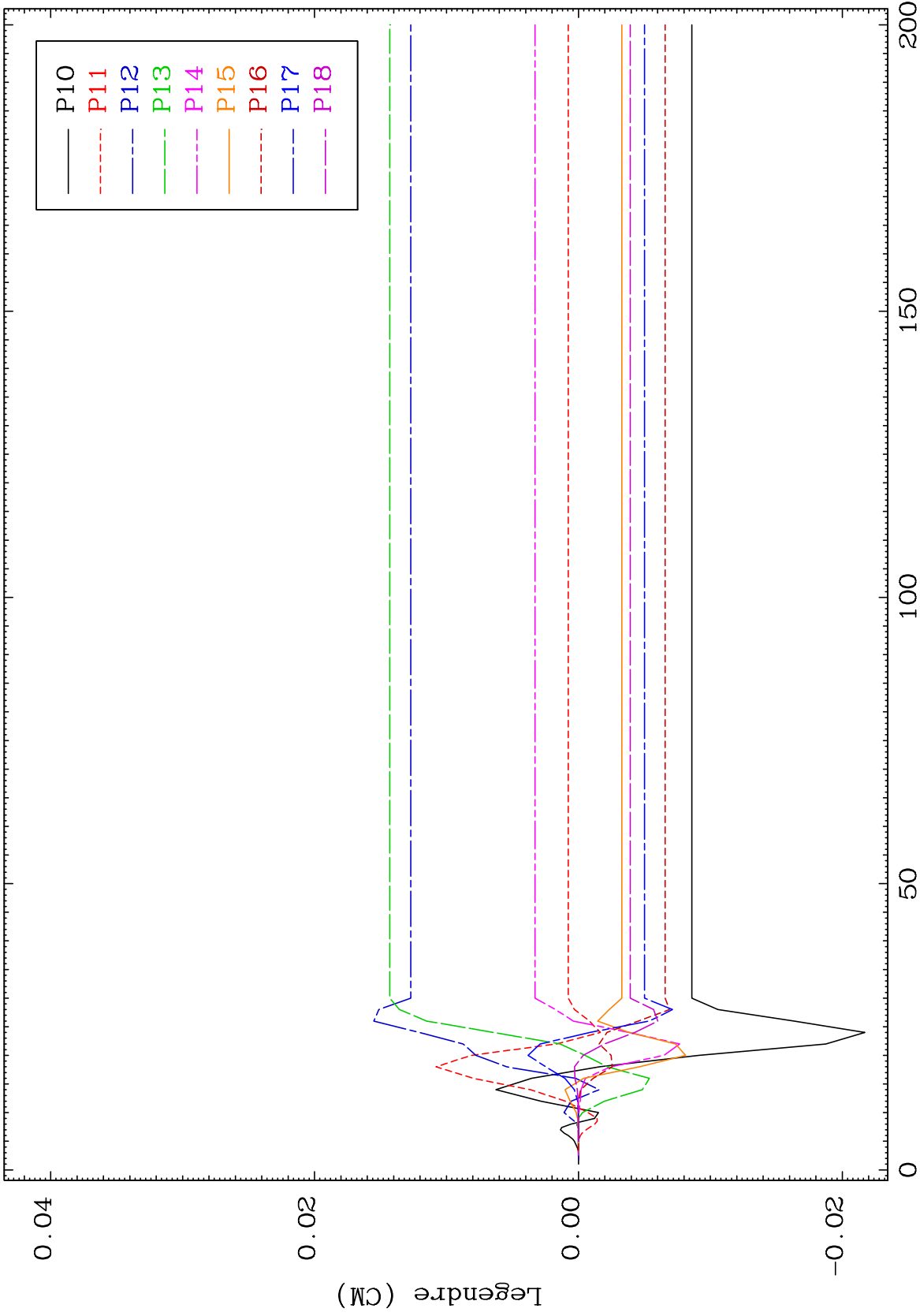


63 75-Re-189

MAT 7537

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

75-Re-189



64

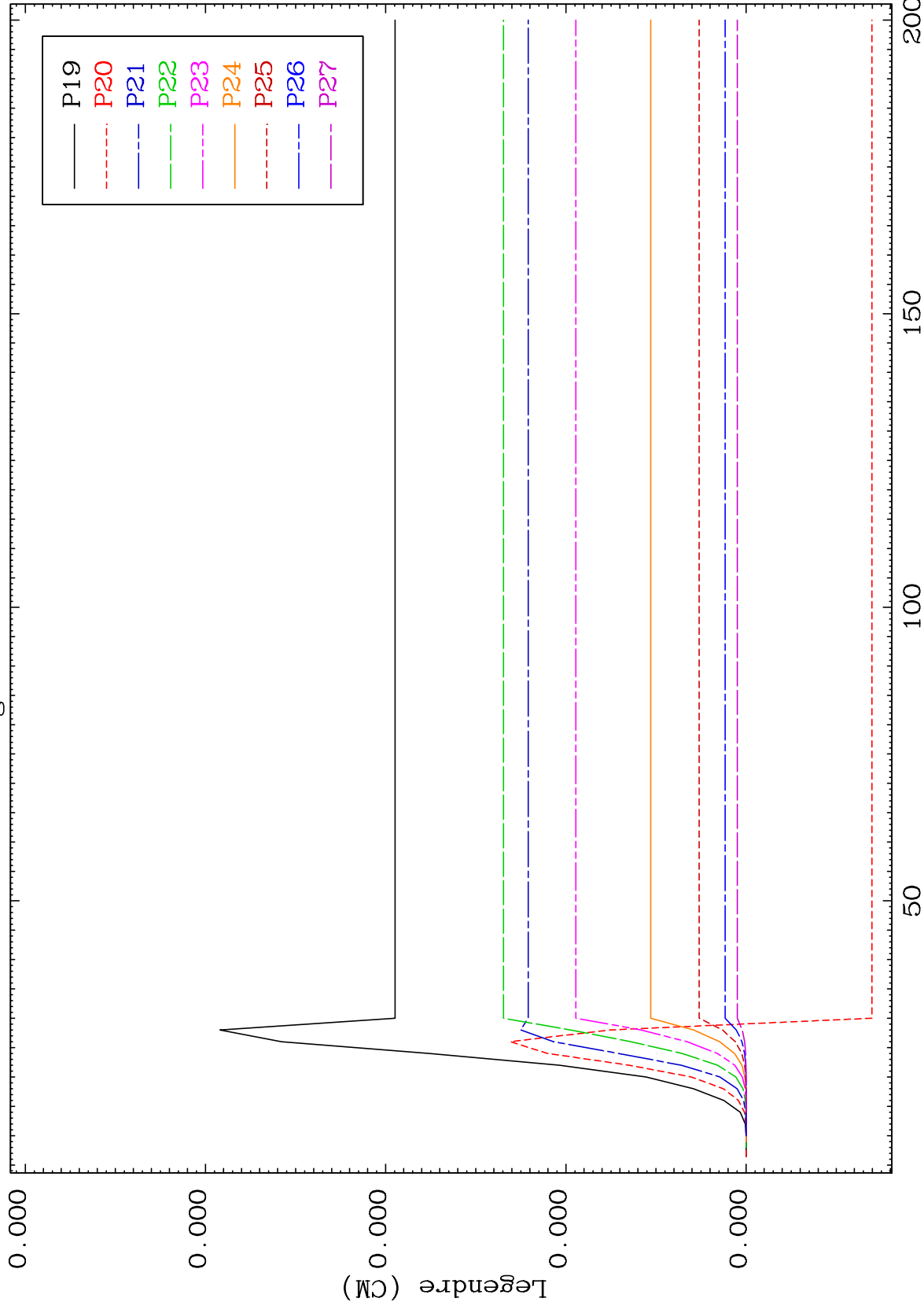
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



65

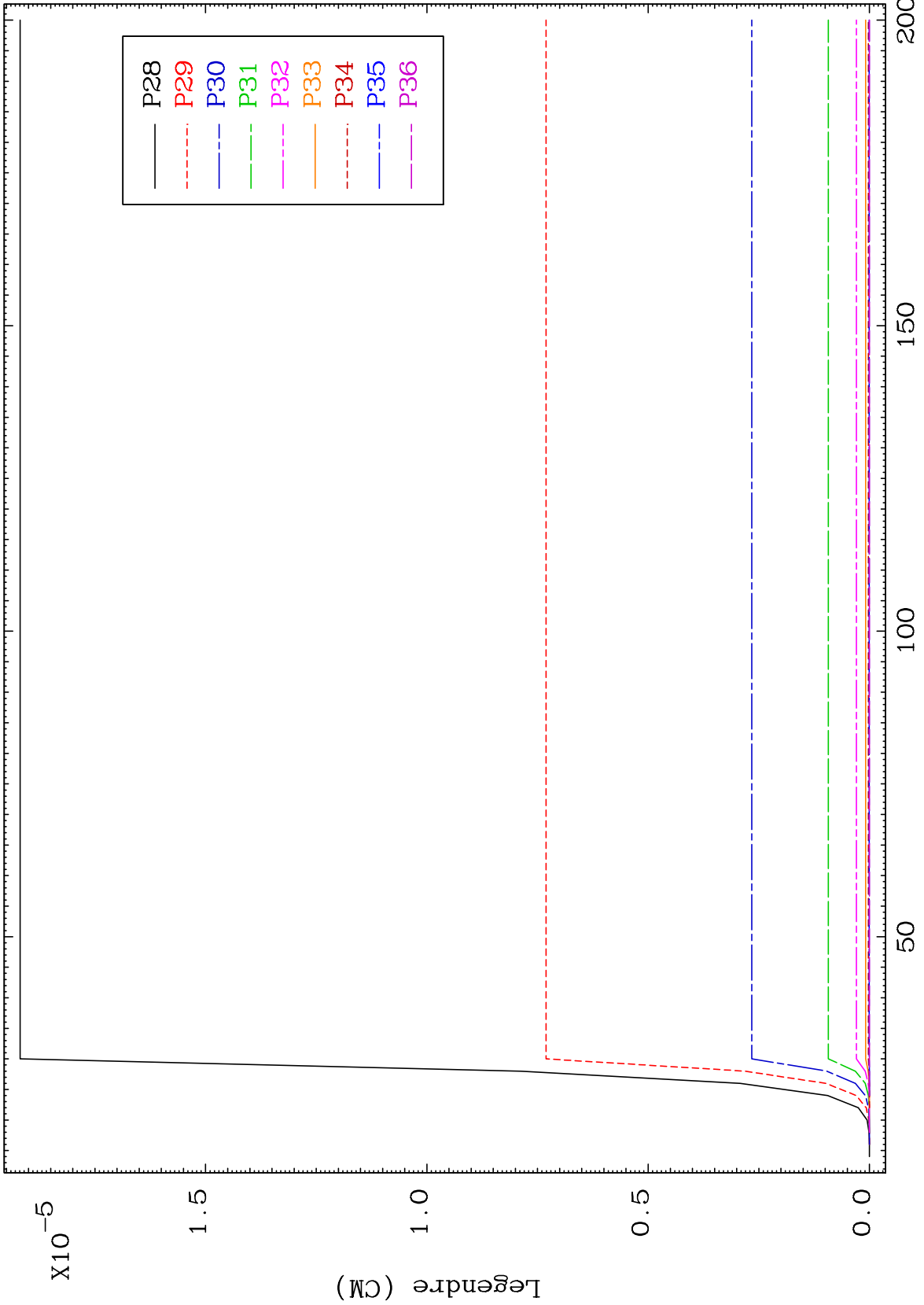
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



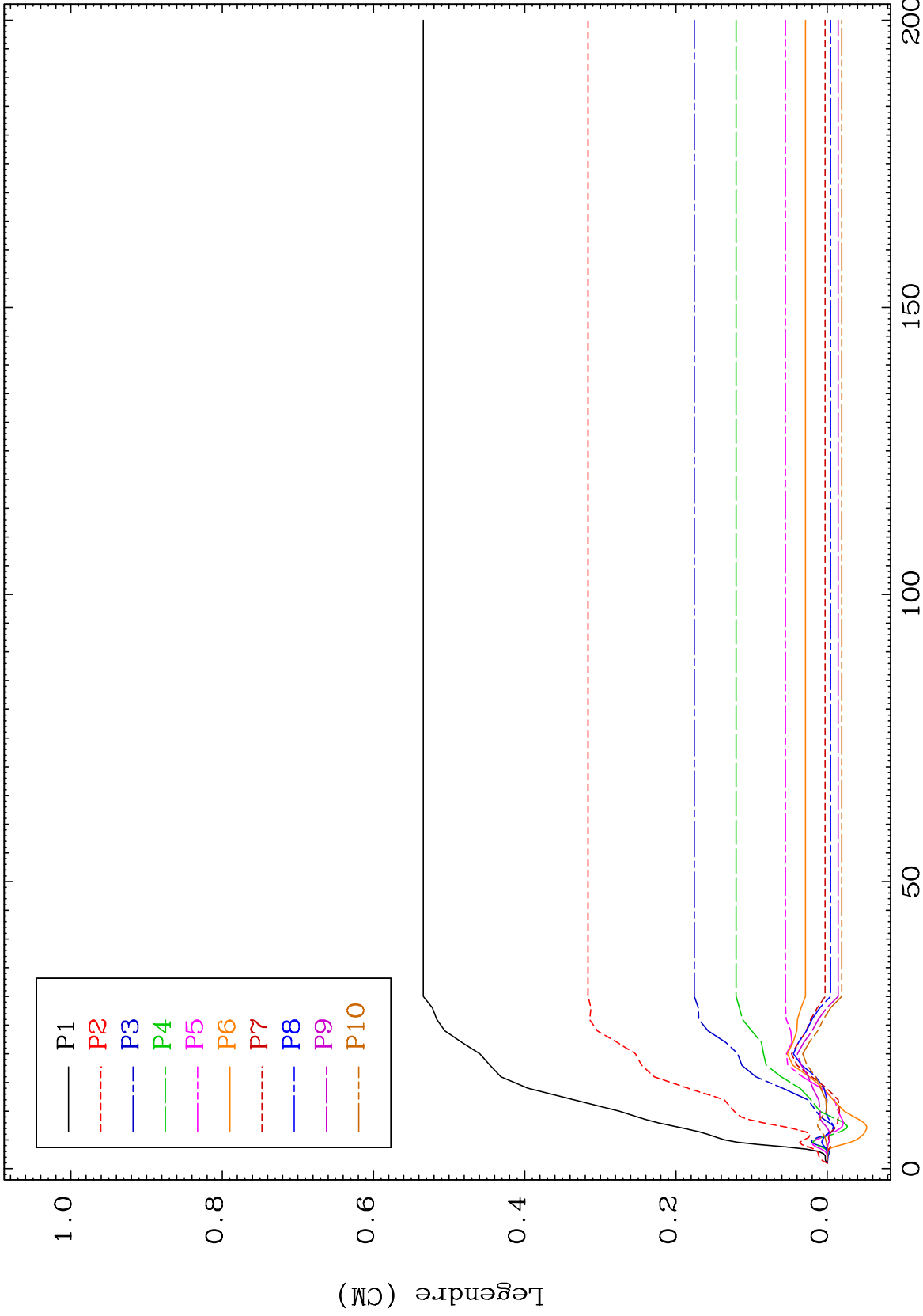
66

75-Re-189

MAT 7537

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

75-Re-189



67

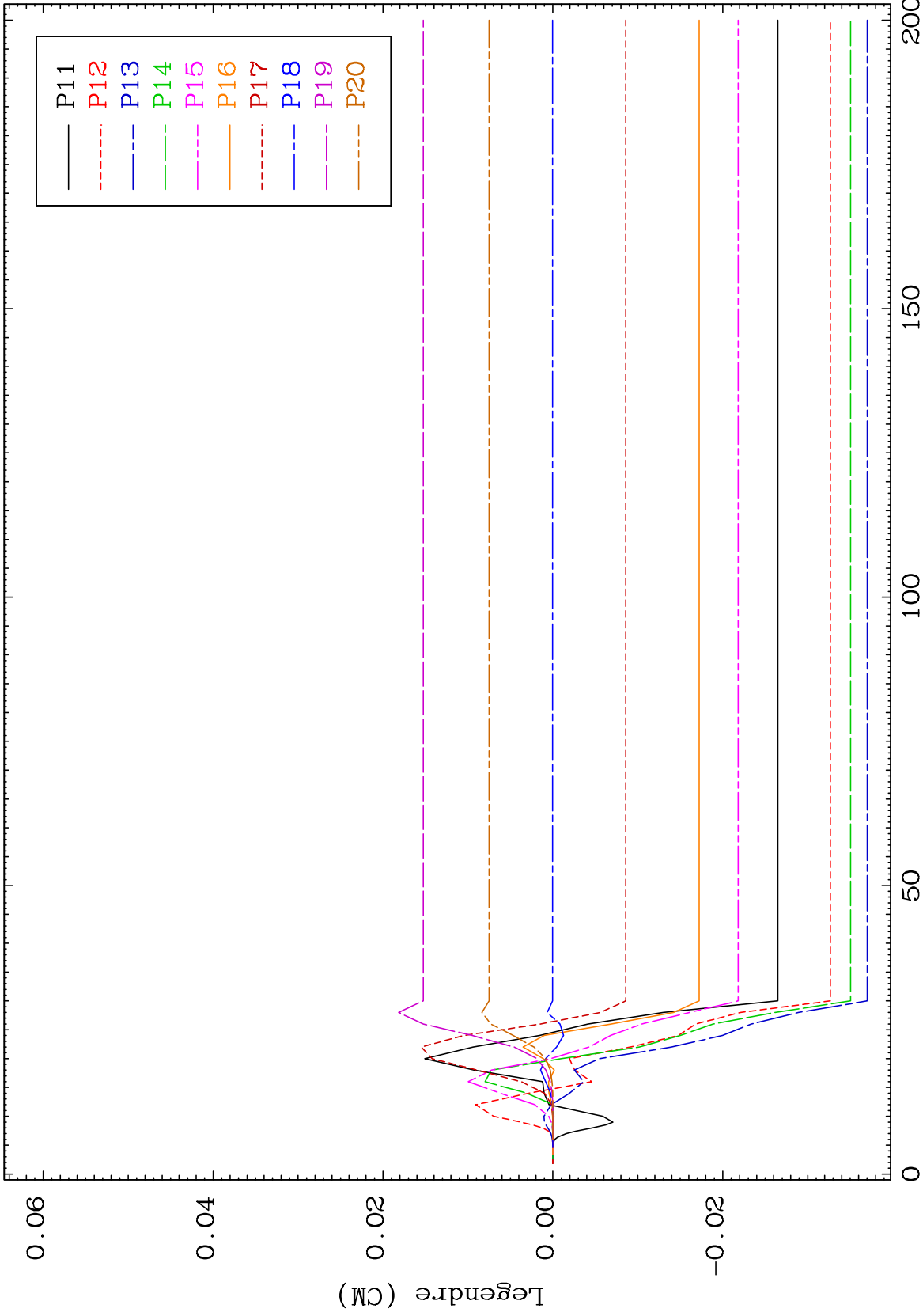
Incident Energy (MeV)

75-Re-189

MAT 7537

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

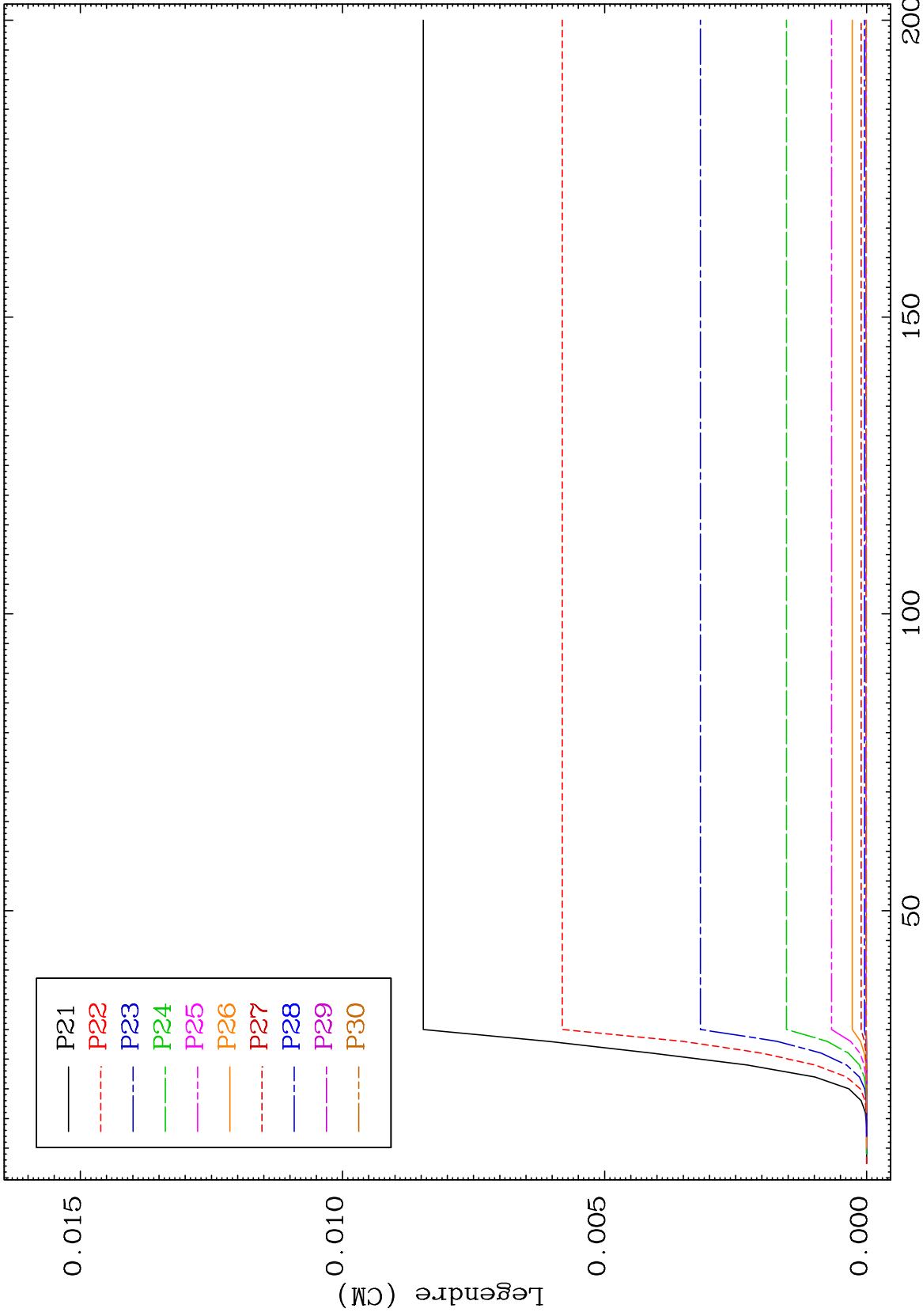
75-Re-189



68

Incident Energy (MeV)

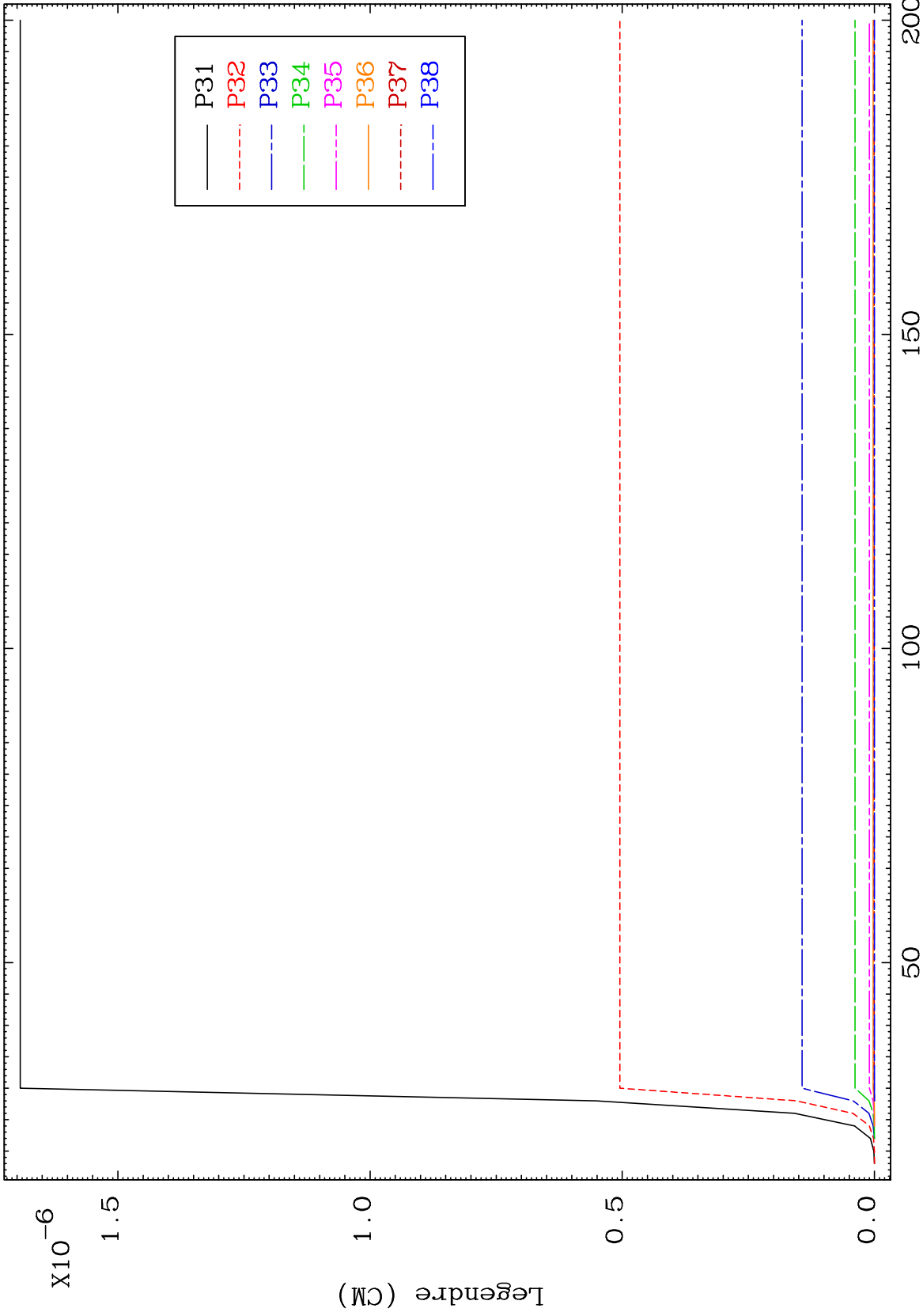
75-Re-189



MAT 7537

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

75-Re-189



70

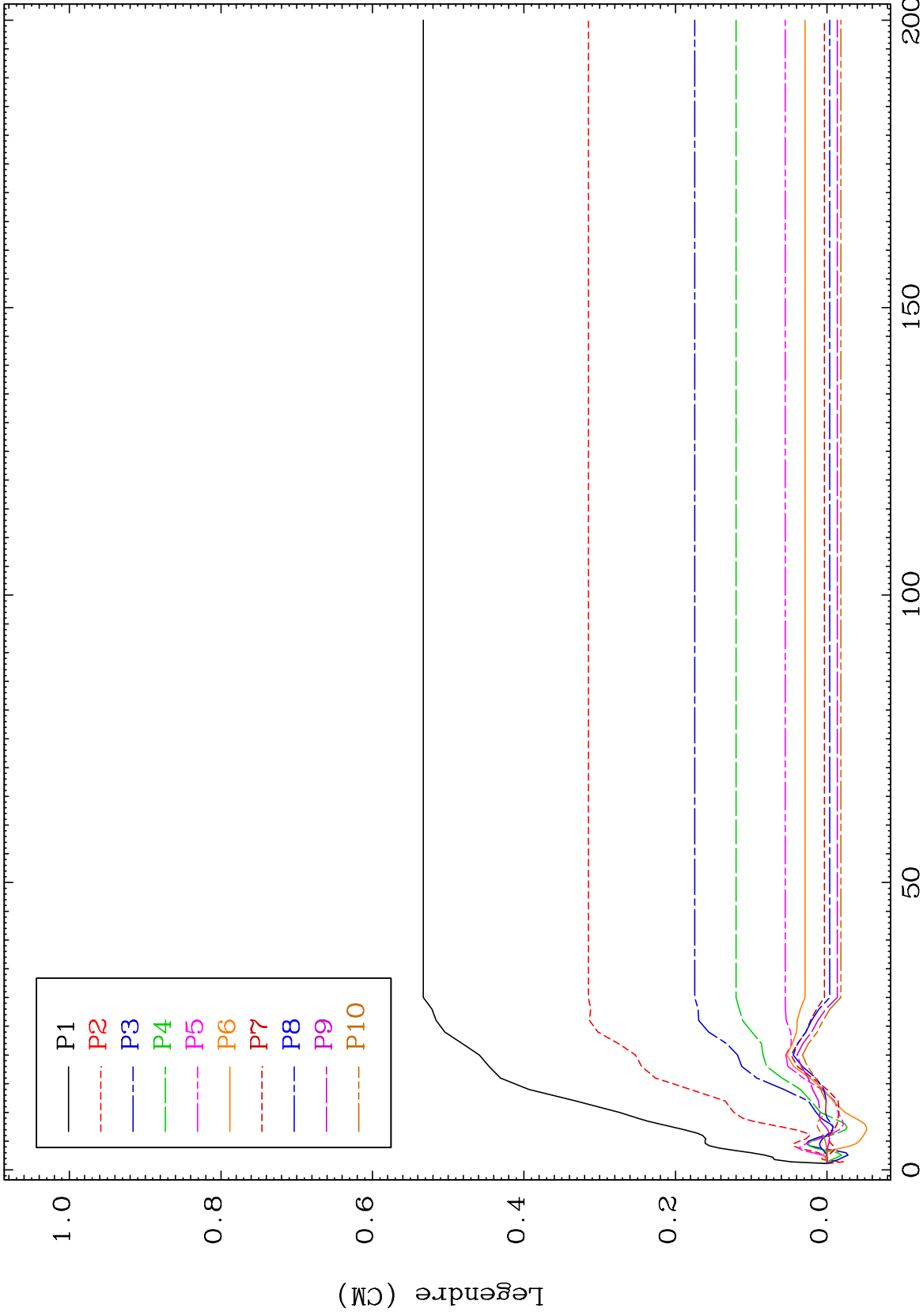
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



71

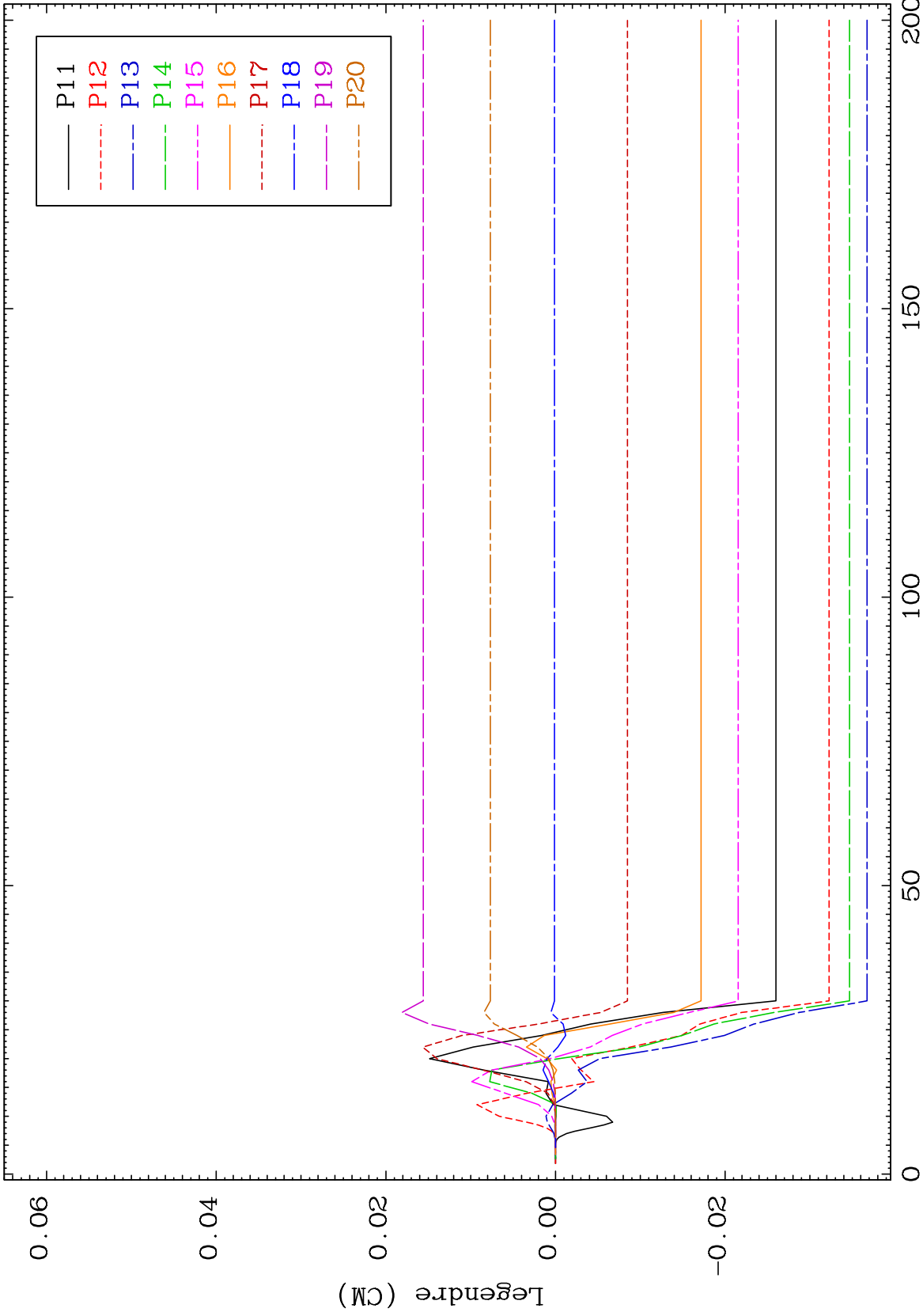
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



72

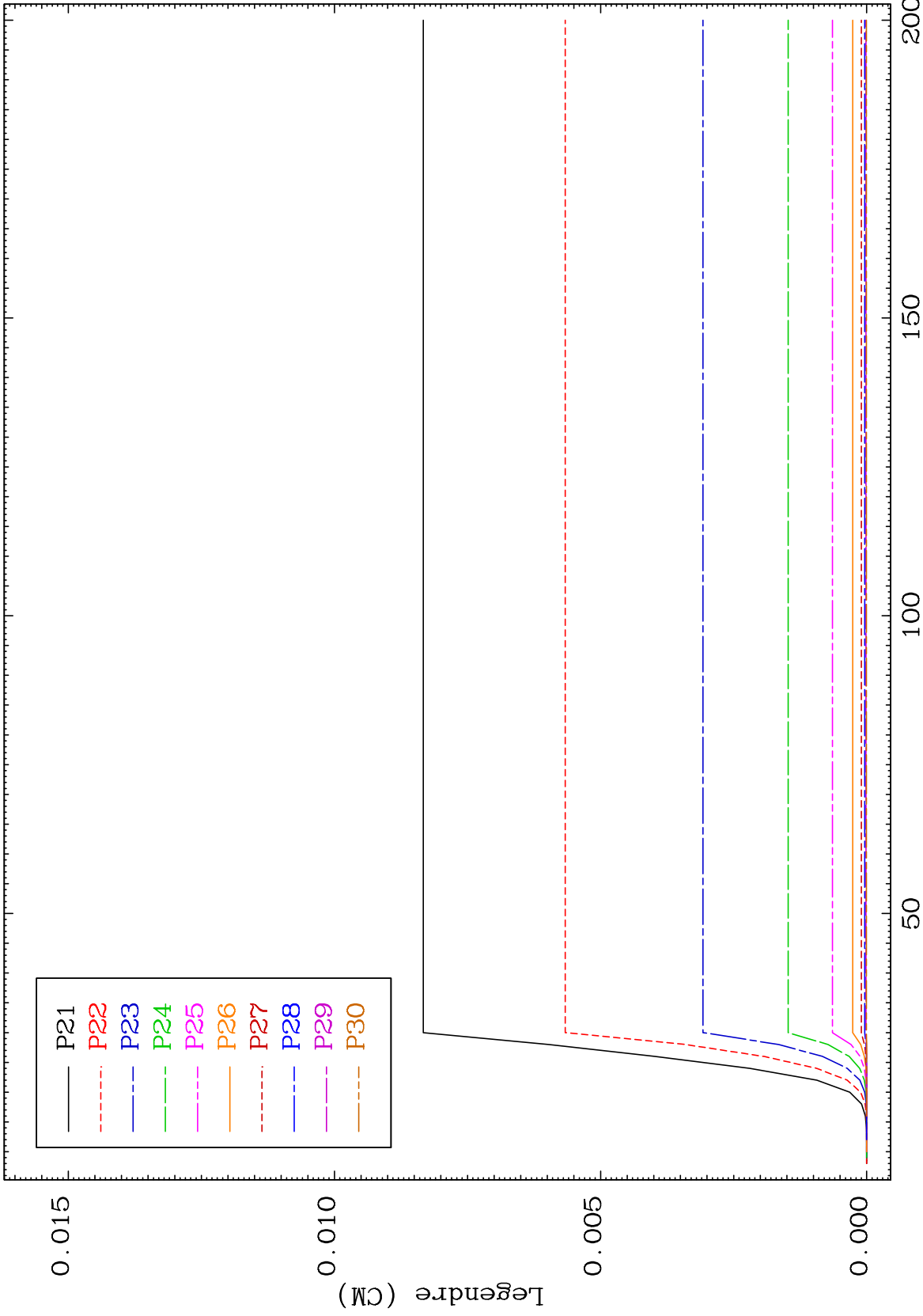
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



73

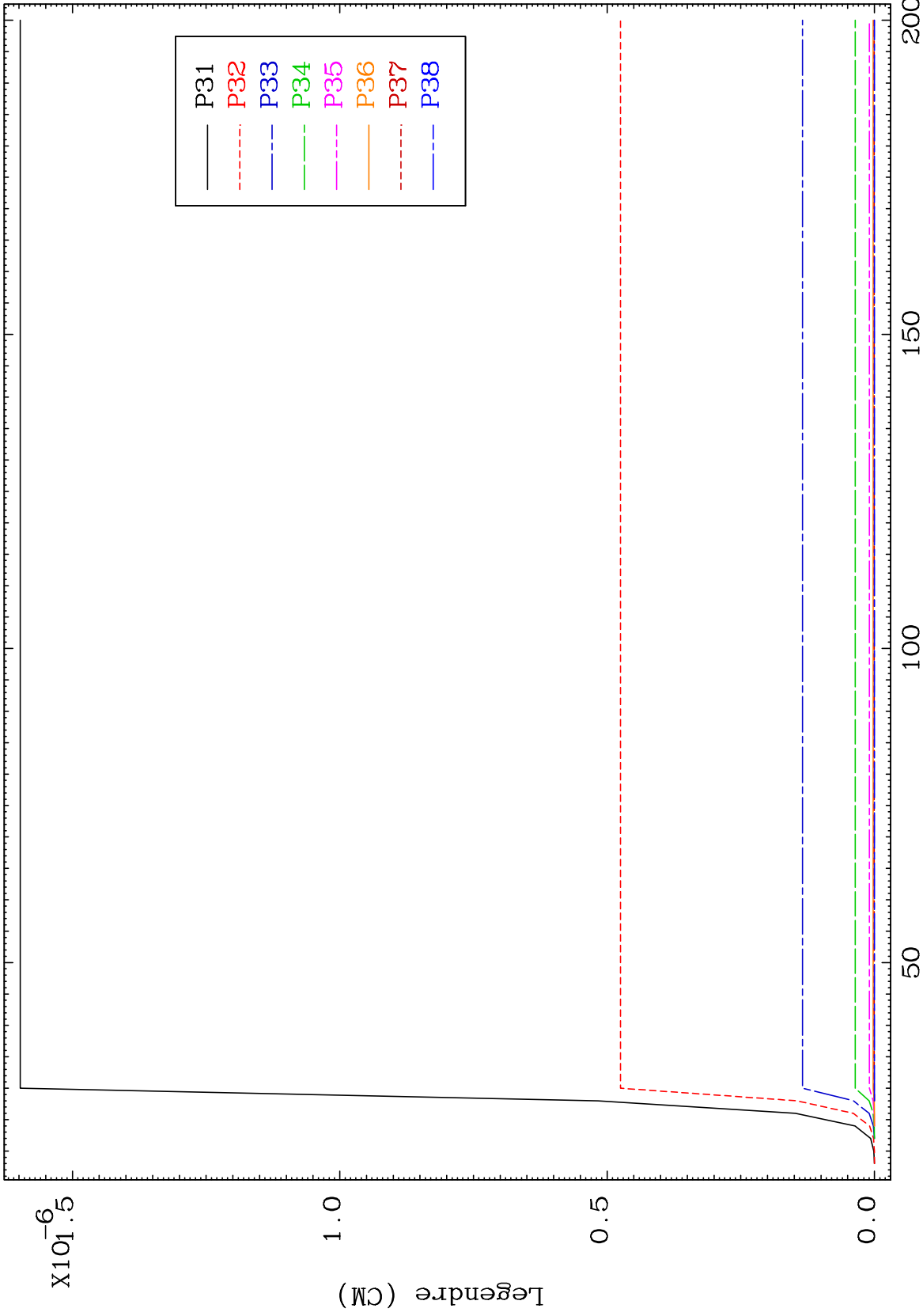
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



74

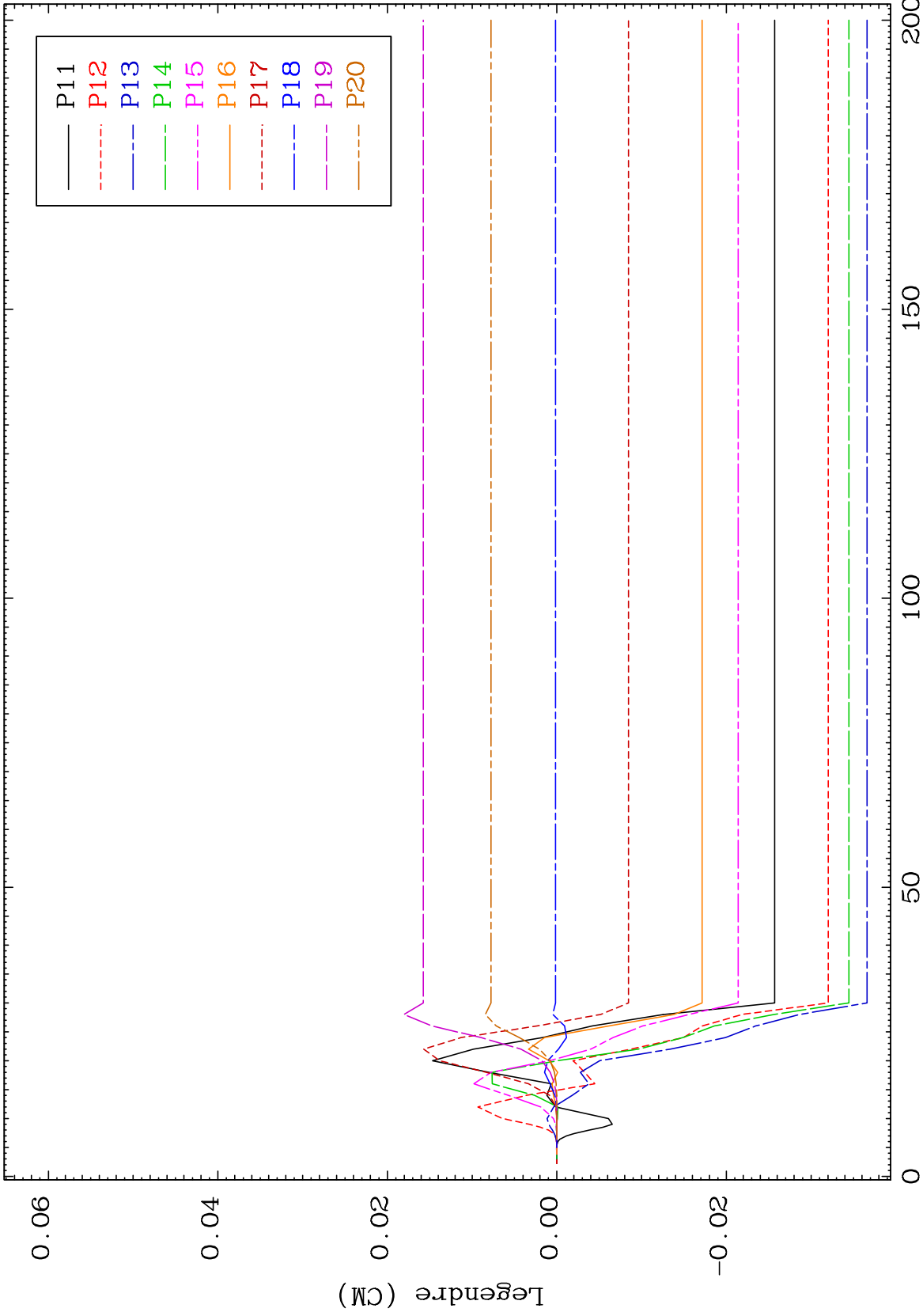
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



76

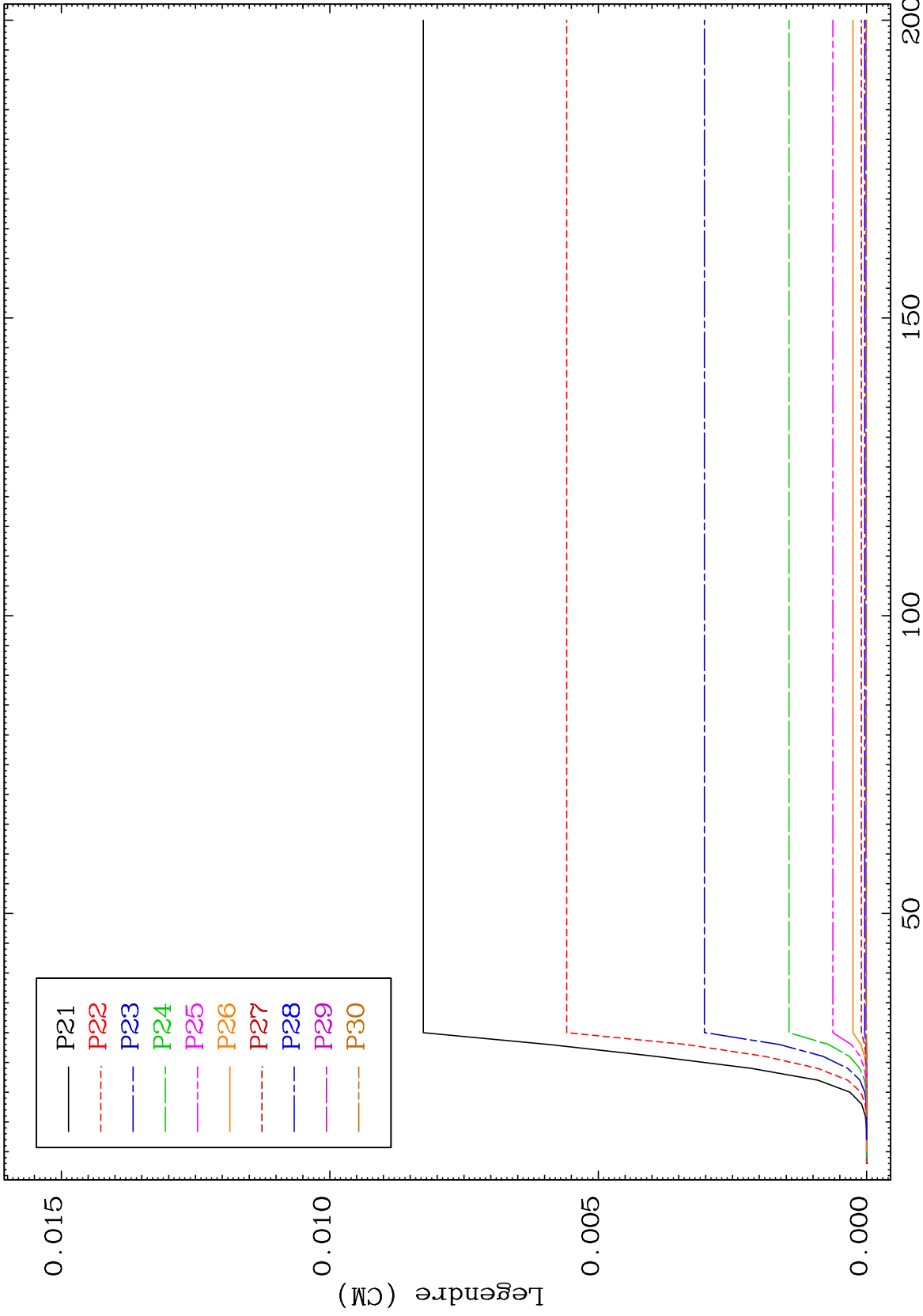
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



77

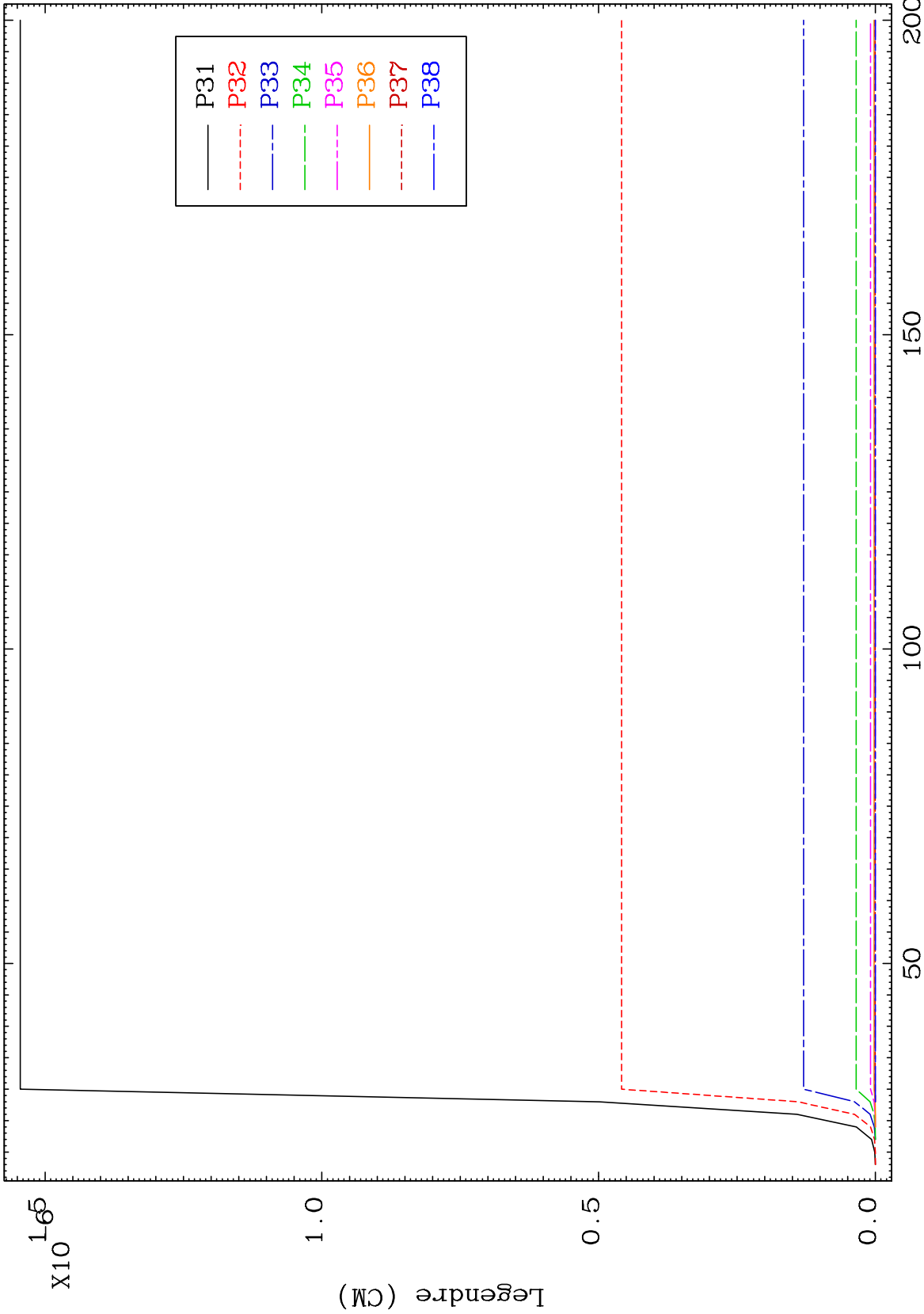
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



78

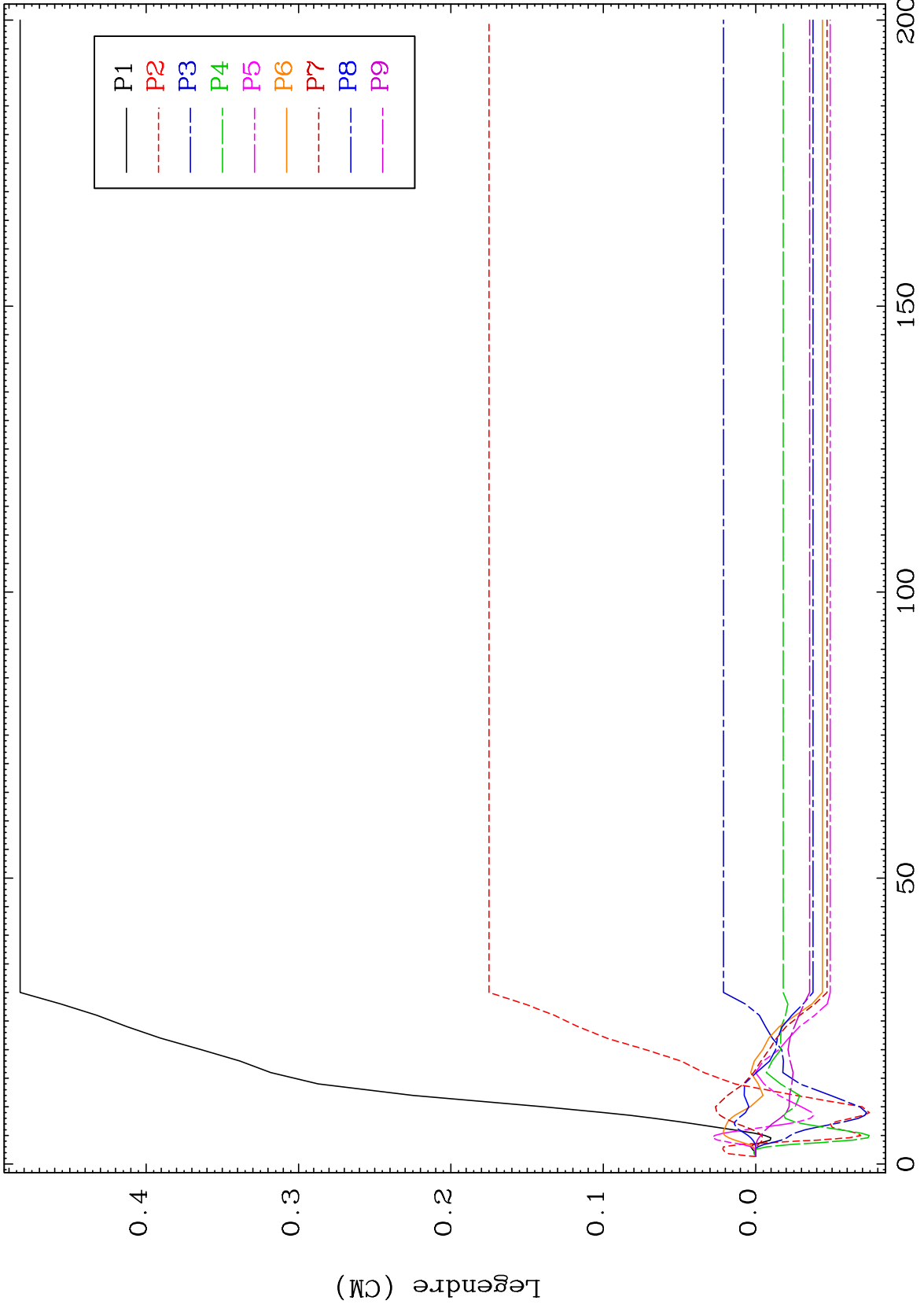
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



79

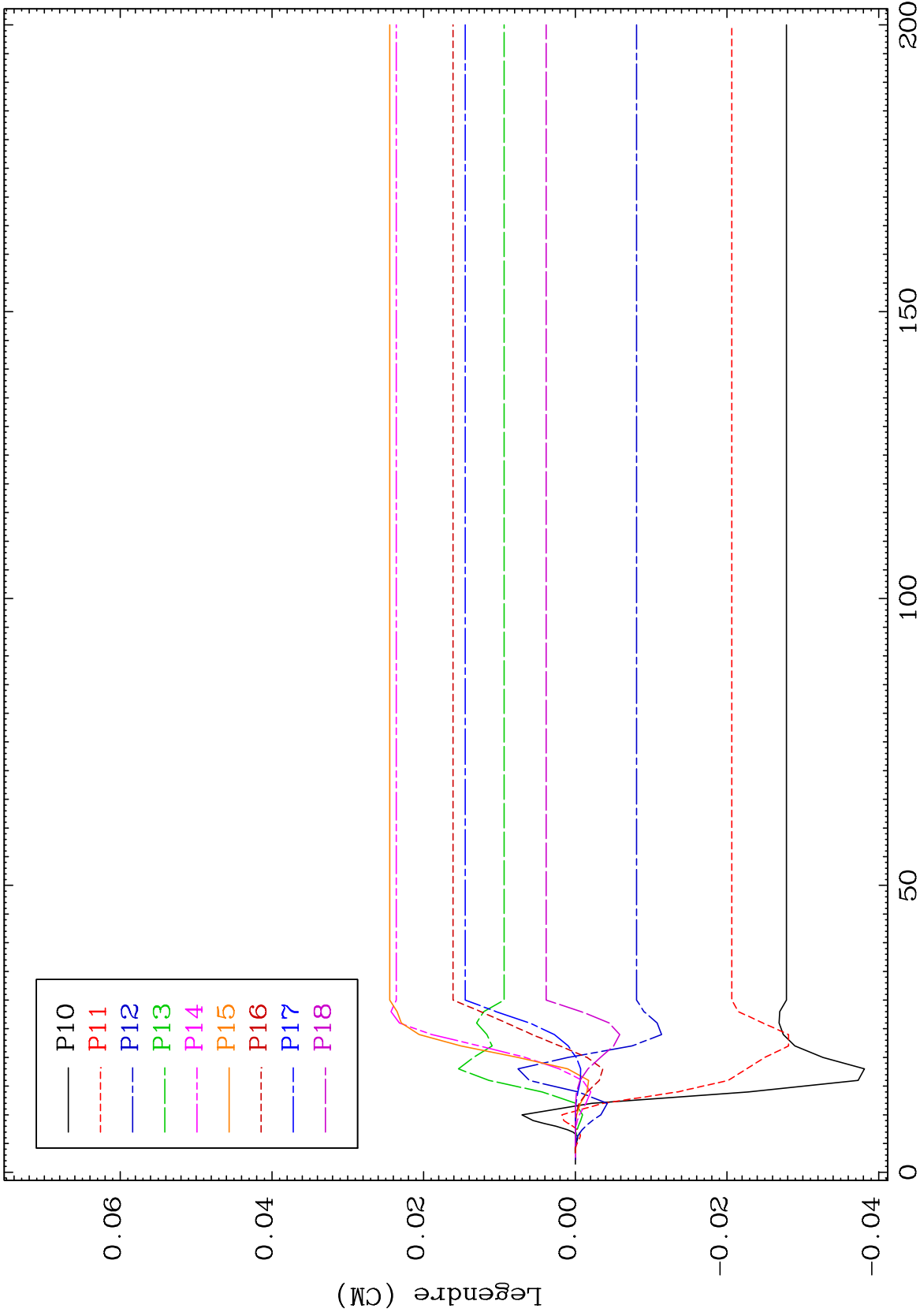
Incident Energy (MeV)

75-Re-189

MAT 7537

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

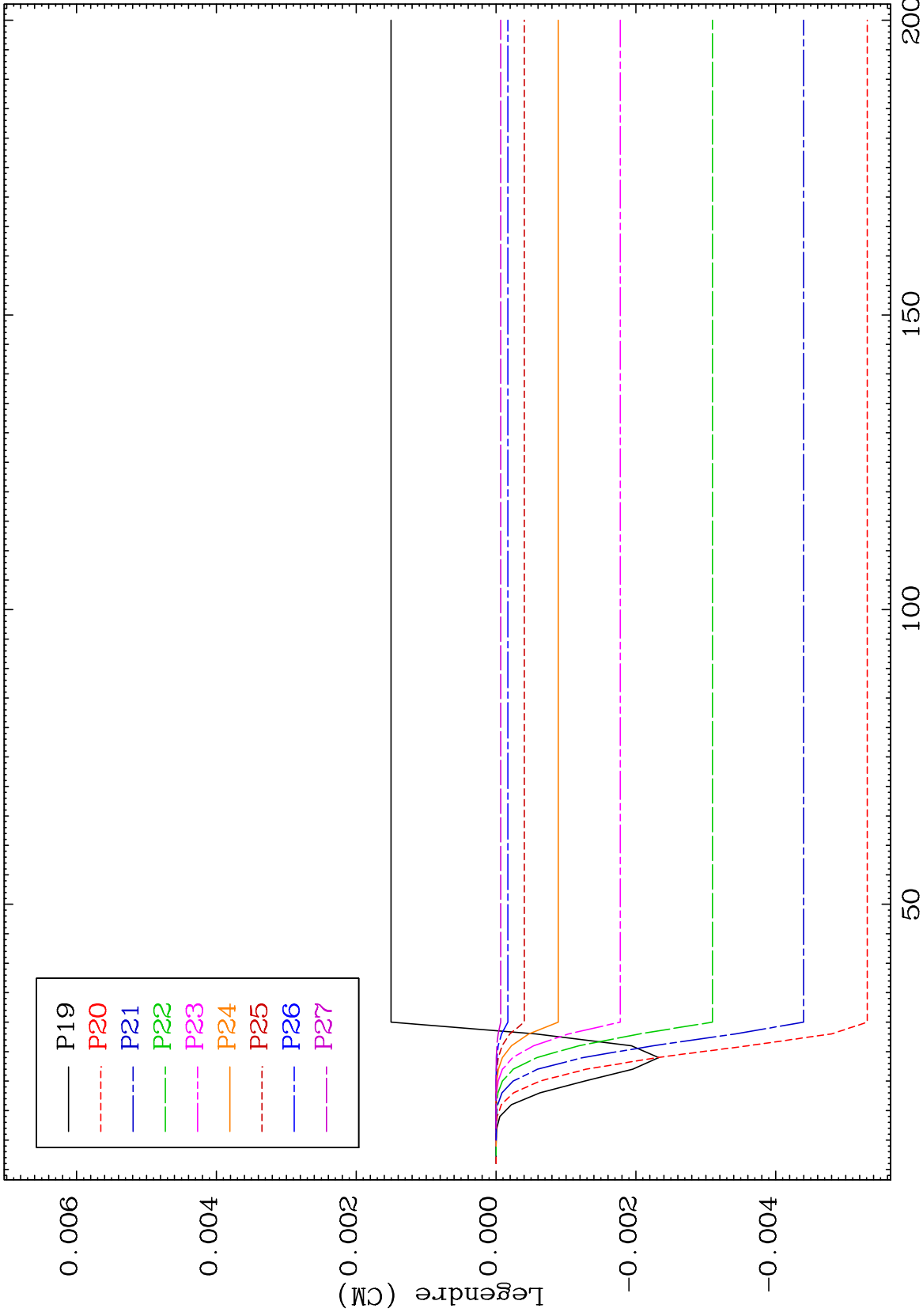
75-Re-189



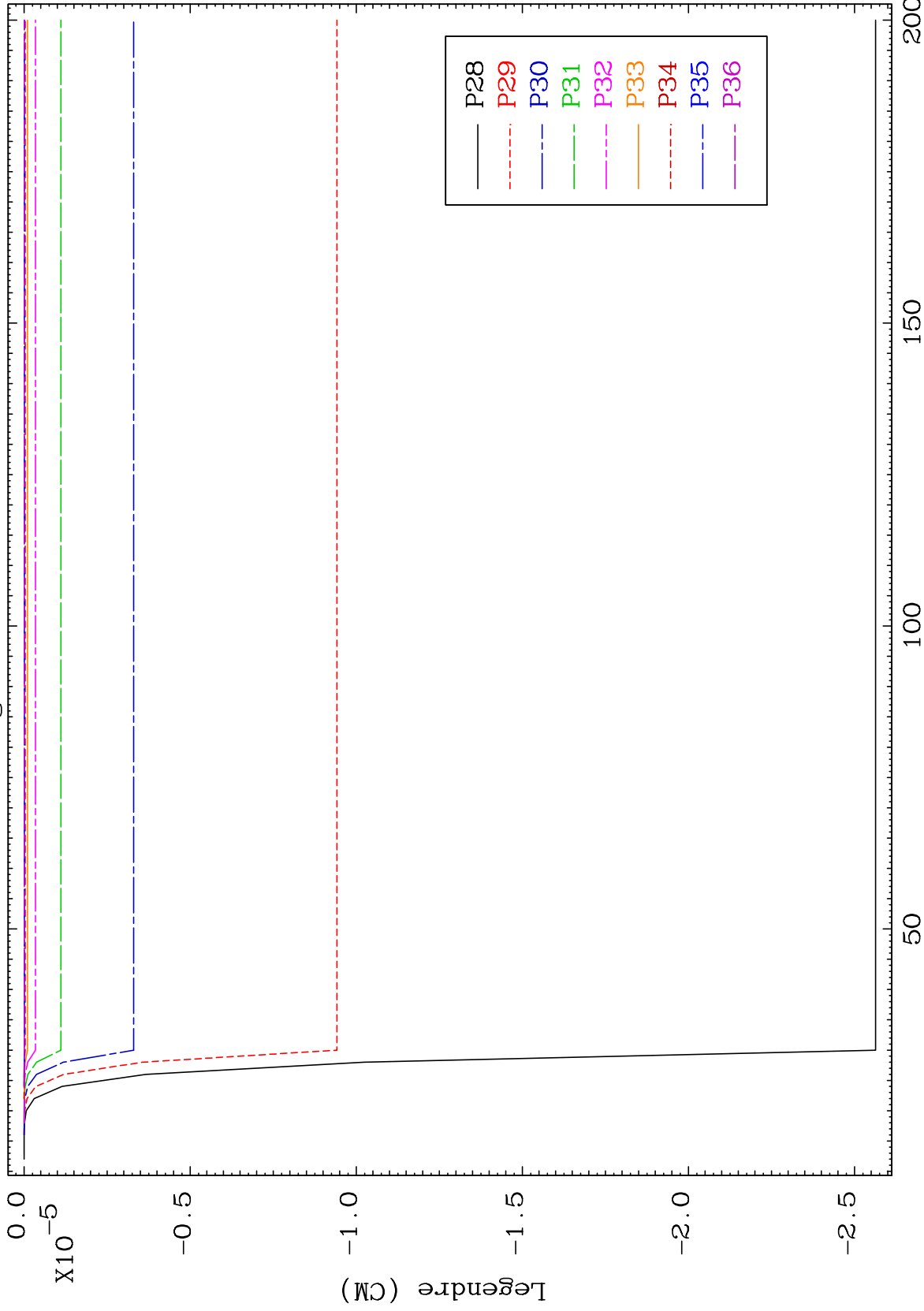
80

Incident Energy (MeV)

75-Re-189



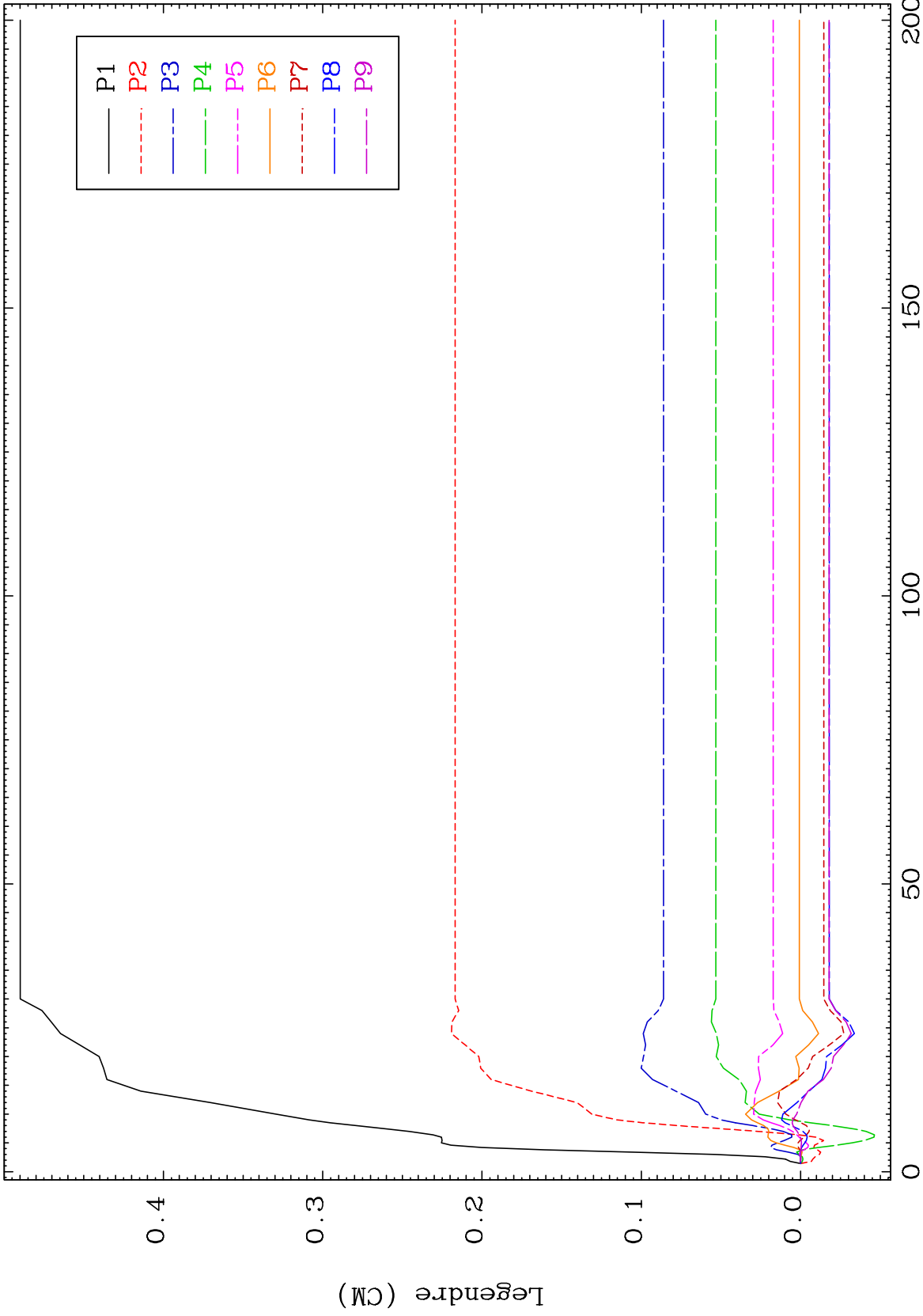
Legendre Coefficients



MAT 7537

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

75-Re-189



83

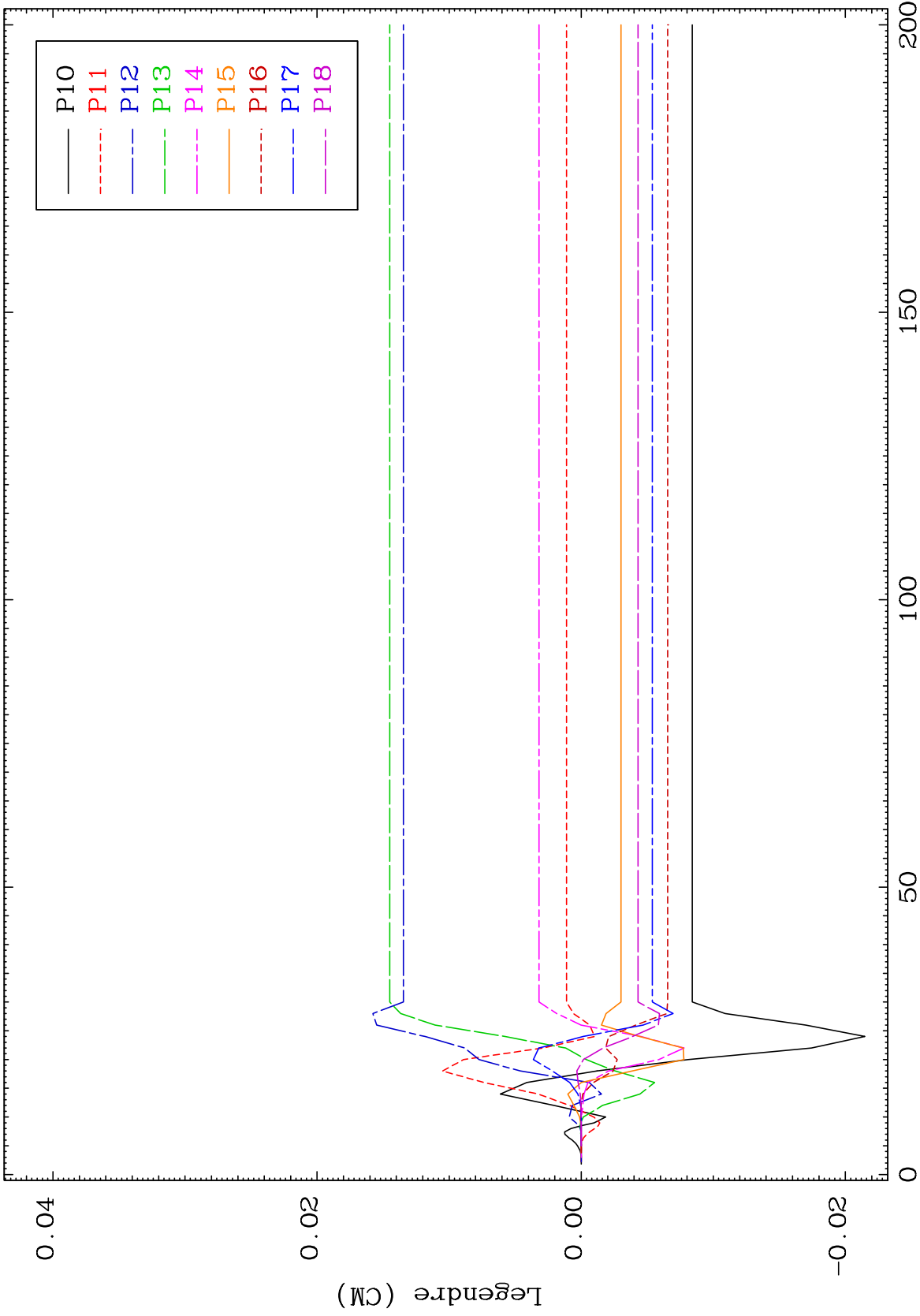
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



84

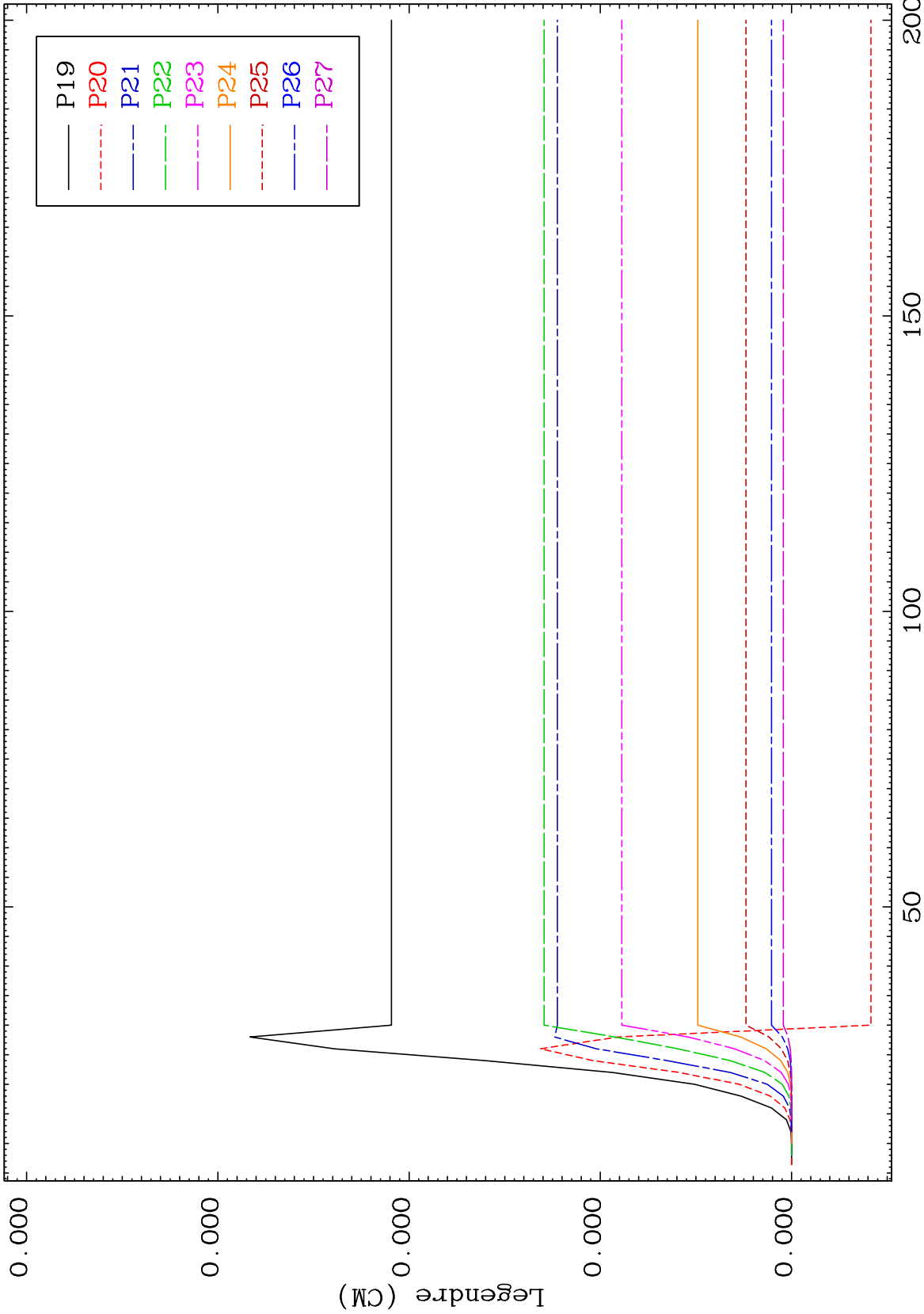
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



85

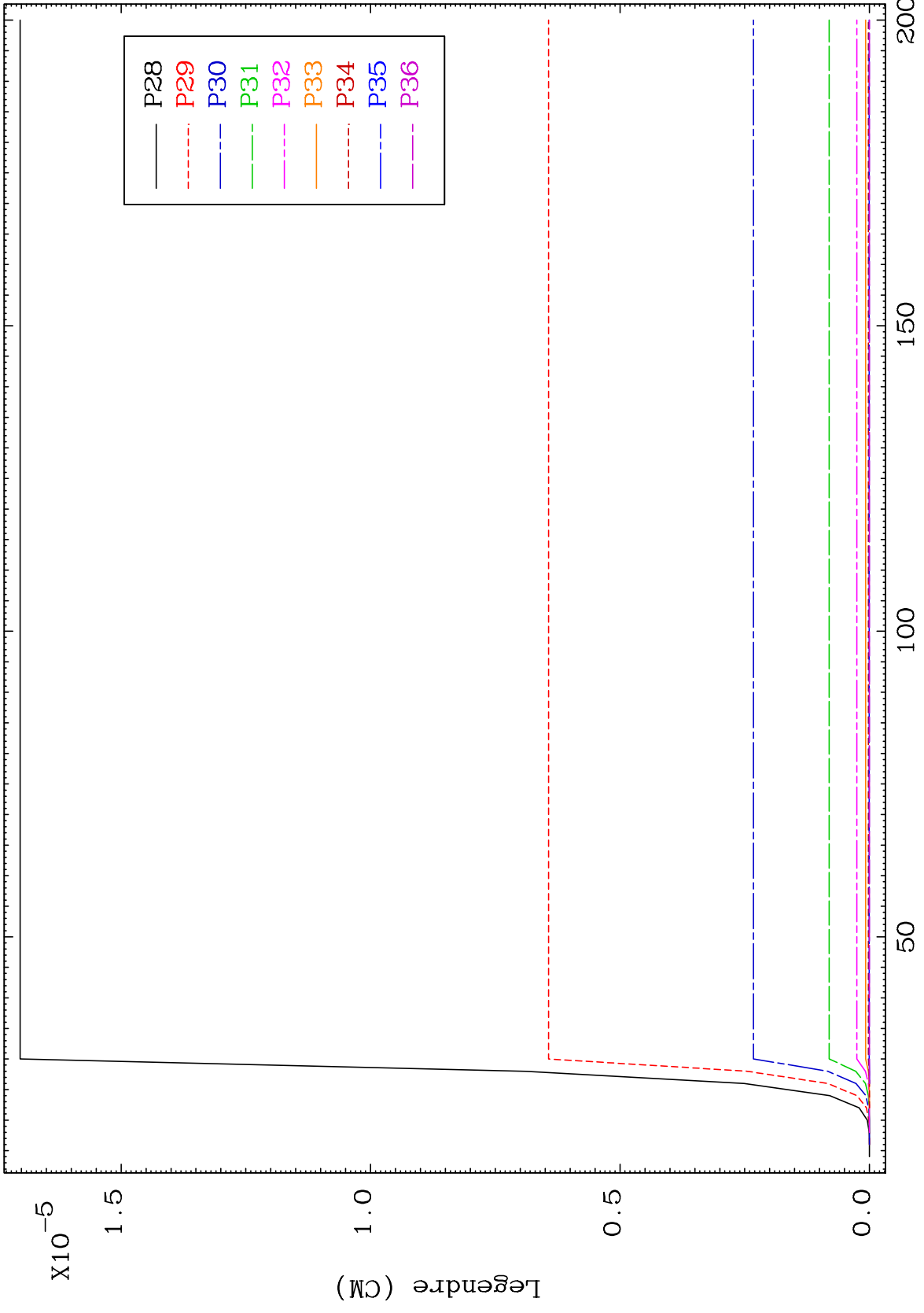
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



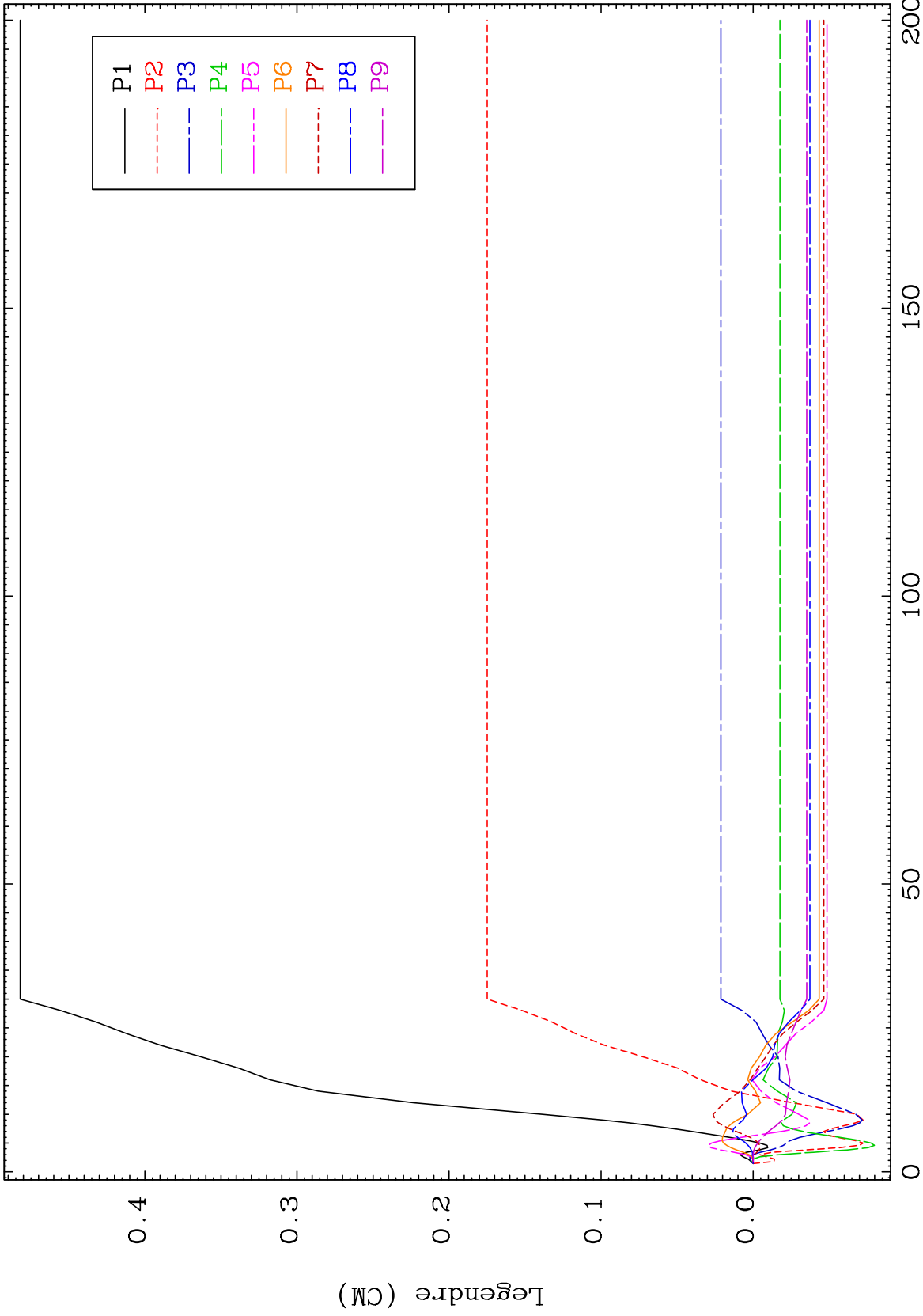
86

75-Re-189

MAT 7537

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

75-Re-189



87

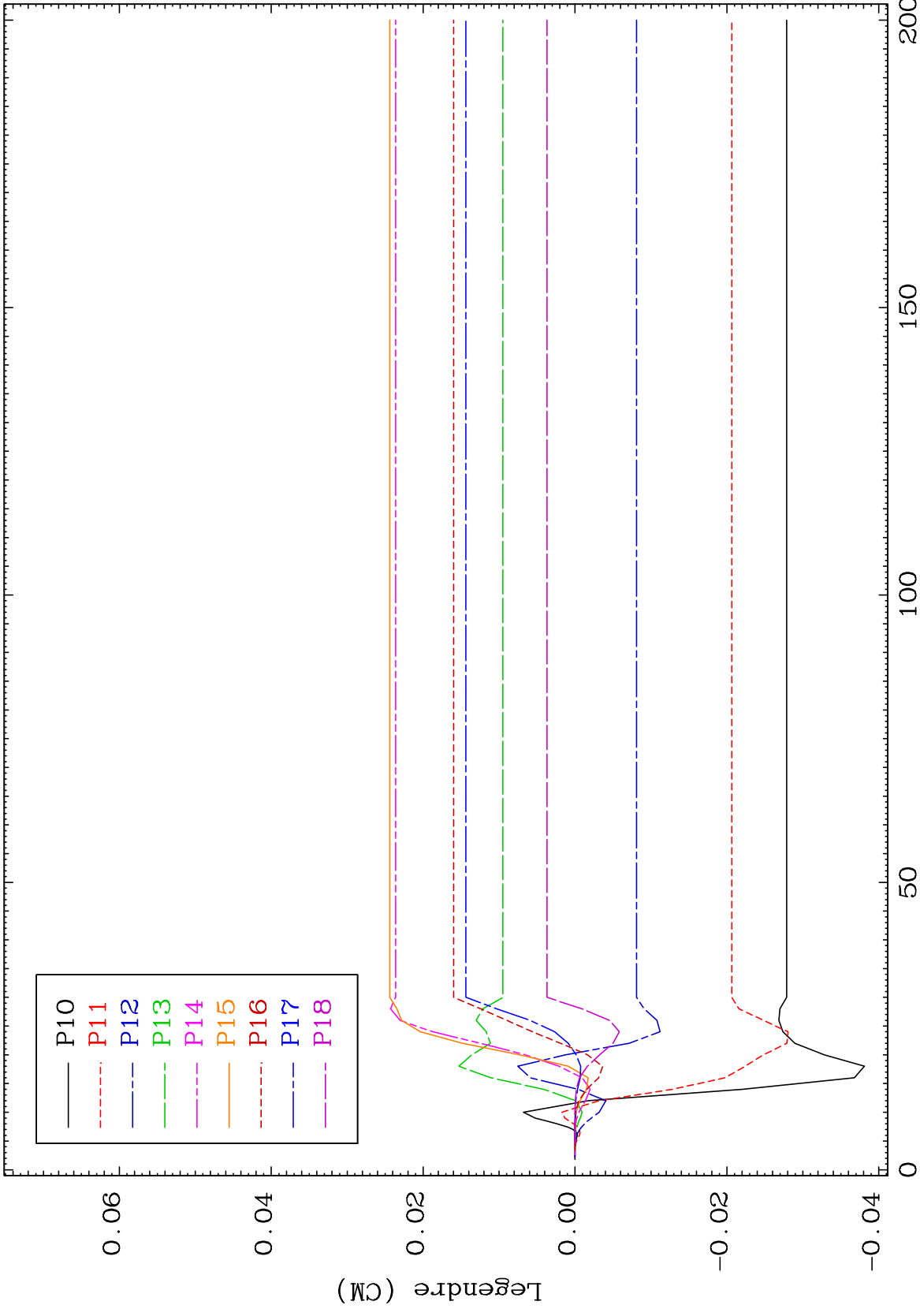
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



88

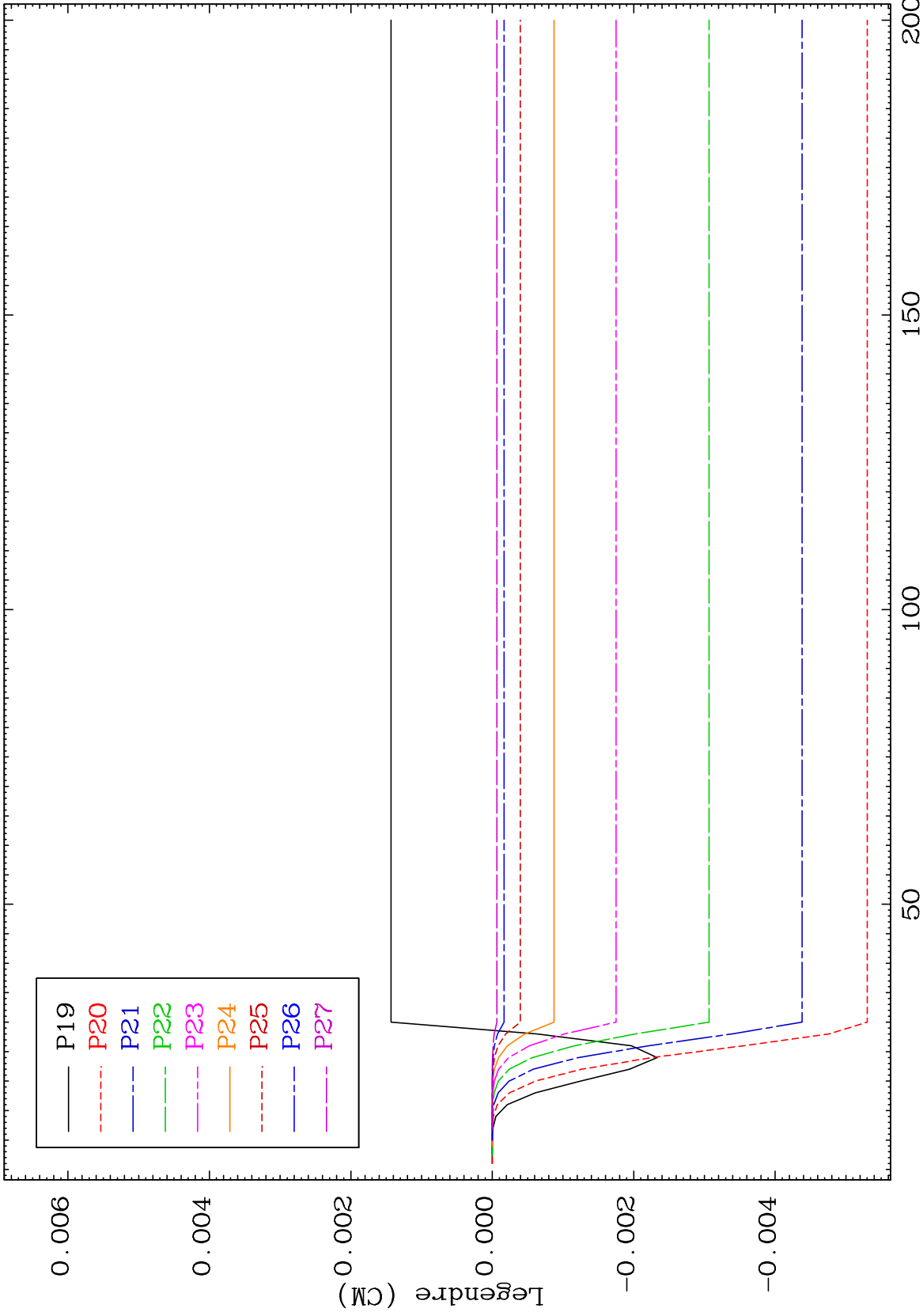
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



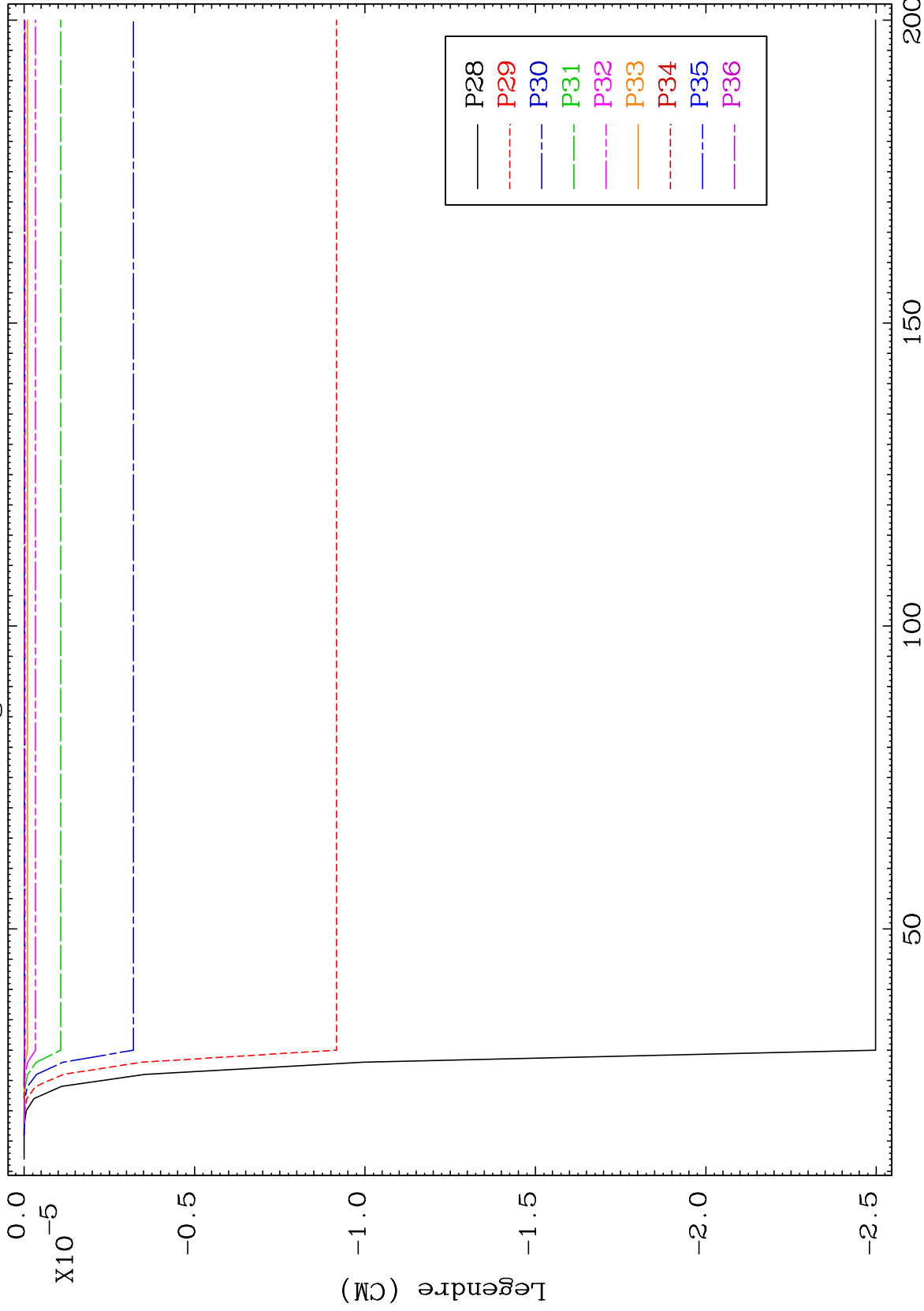
89

Incident Energy (MeV)

75-Re-189

MAT 7537 MT= 68 (n,n') Level 75-Re-189

Legendre Coefficients

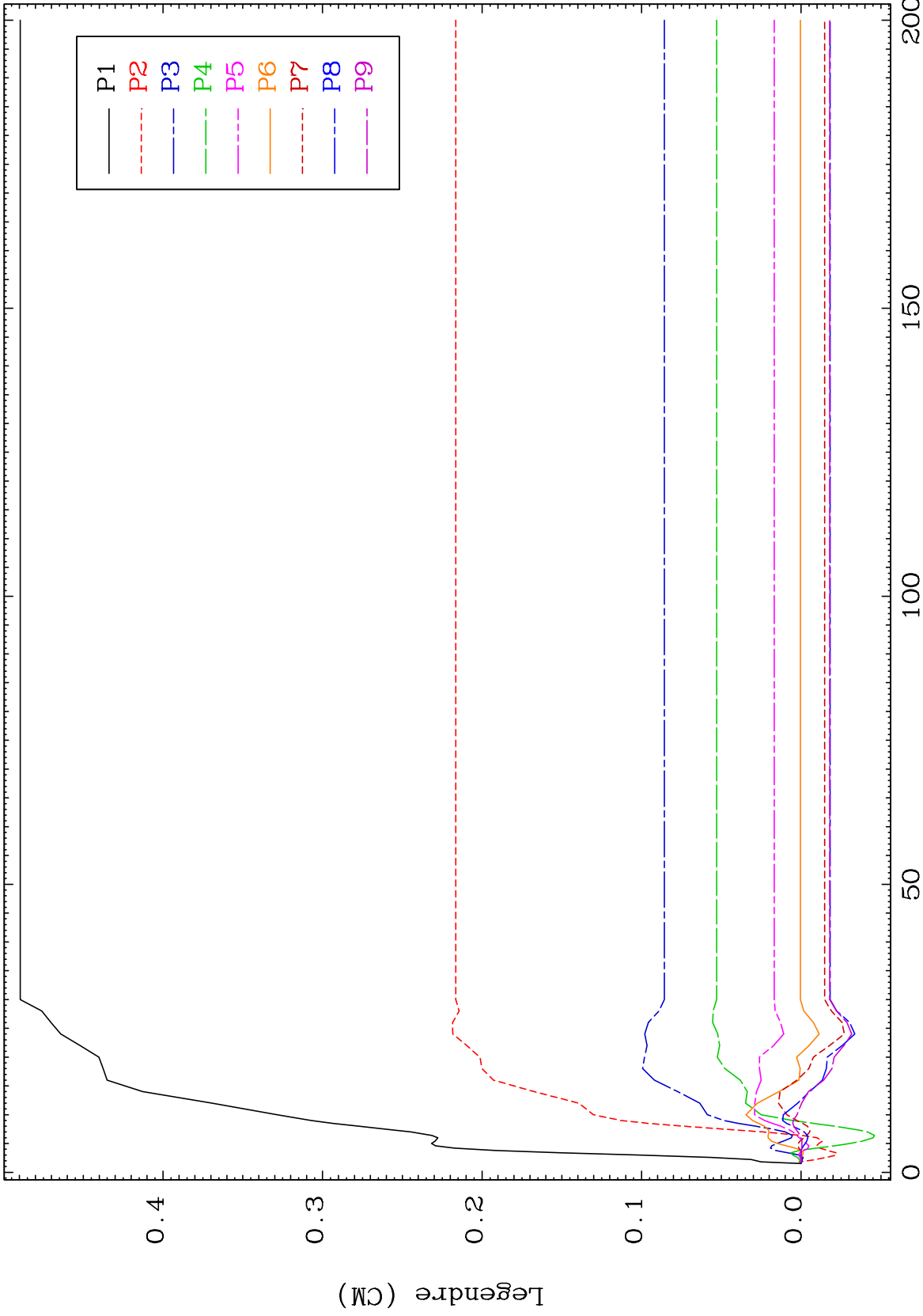


90 50 100 150 200 Incident Energy (MeV) 75-Re-189

MAT 7537

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

75-Re-189



91

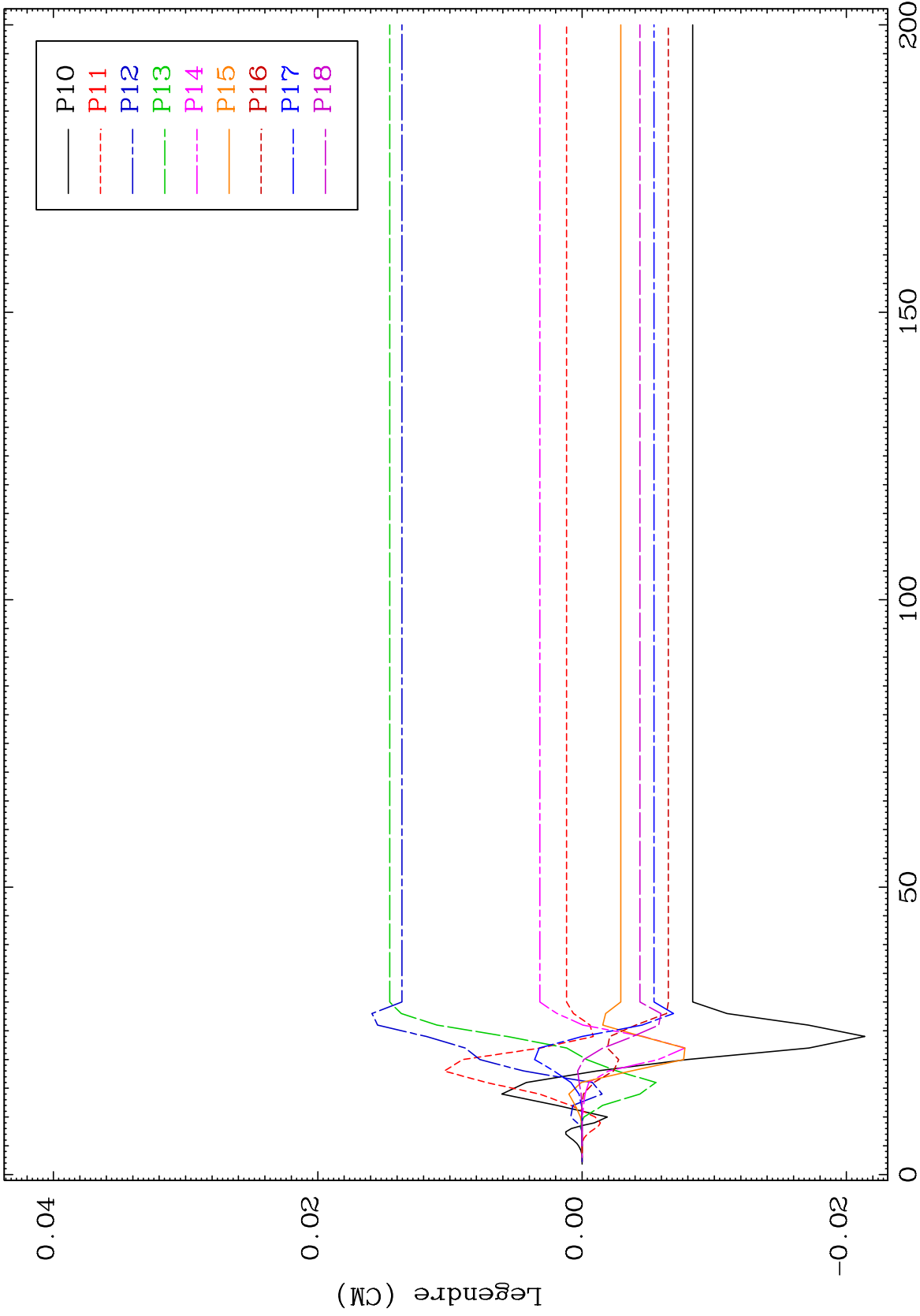
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



92

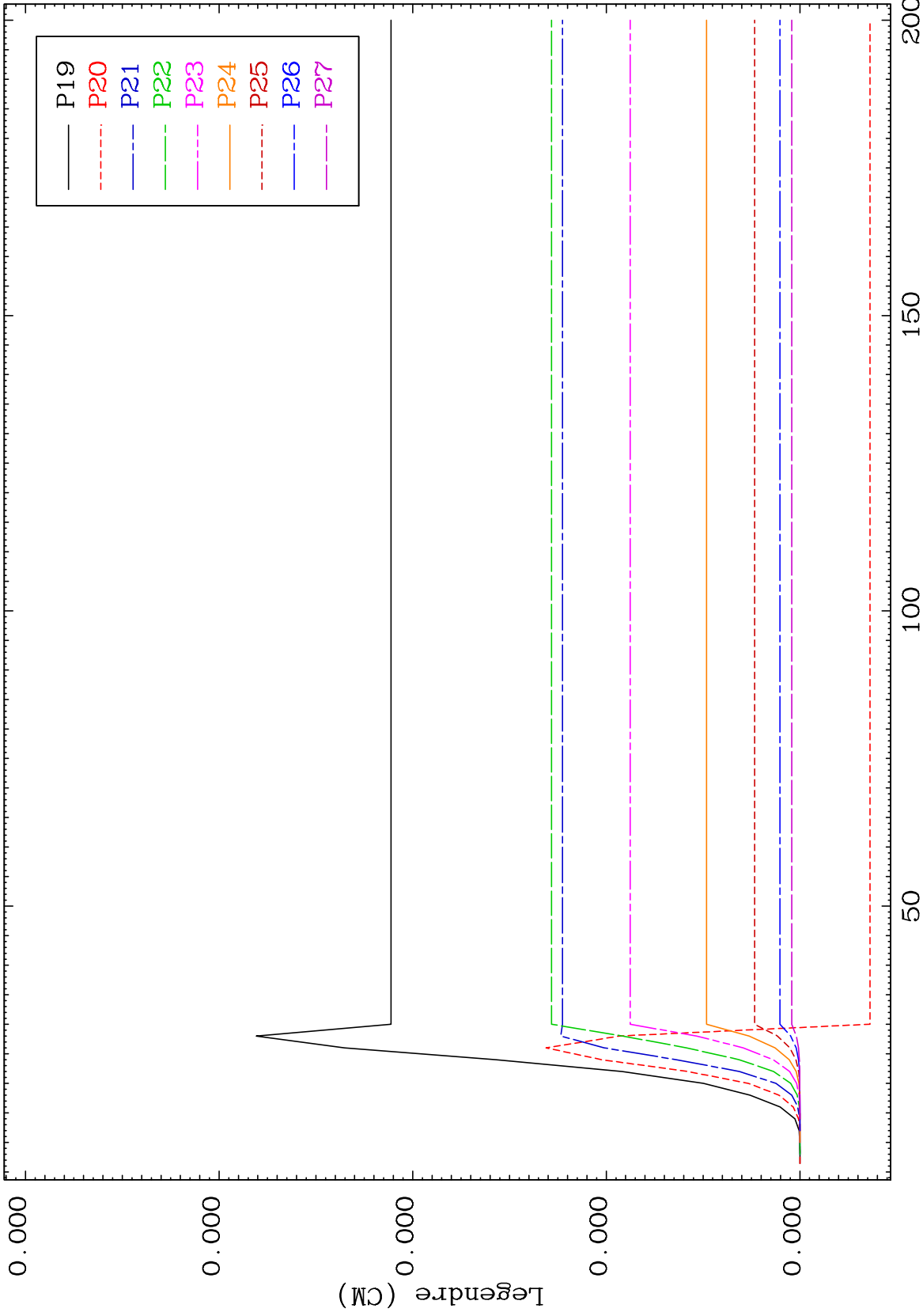
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



93

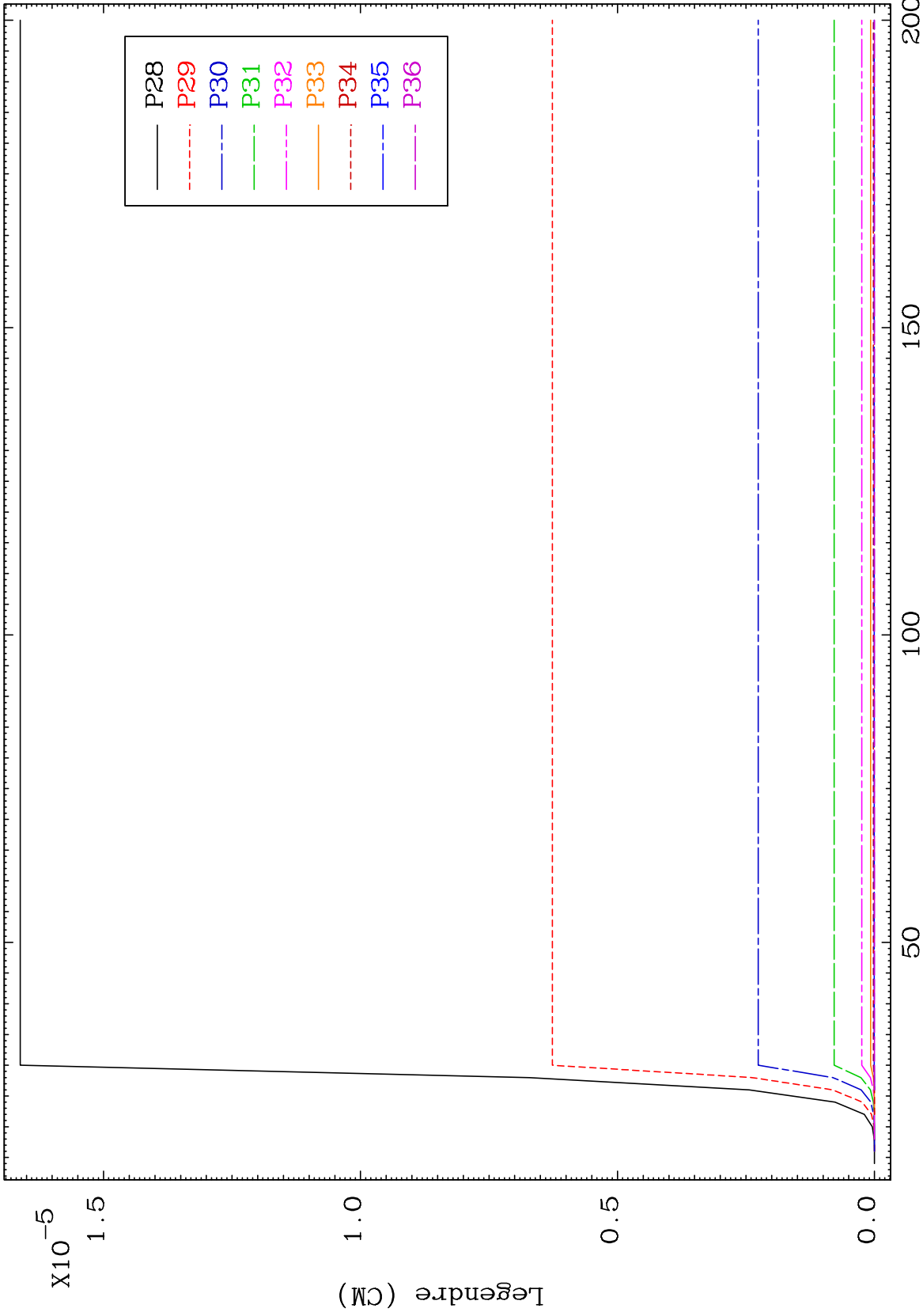
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



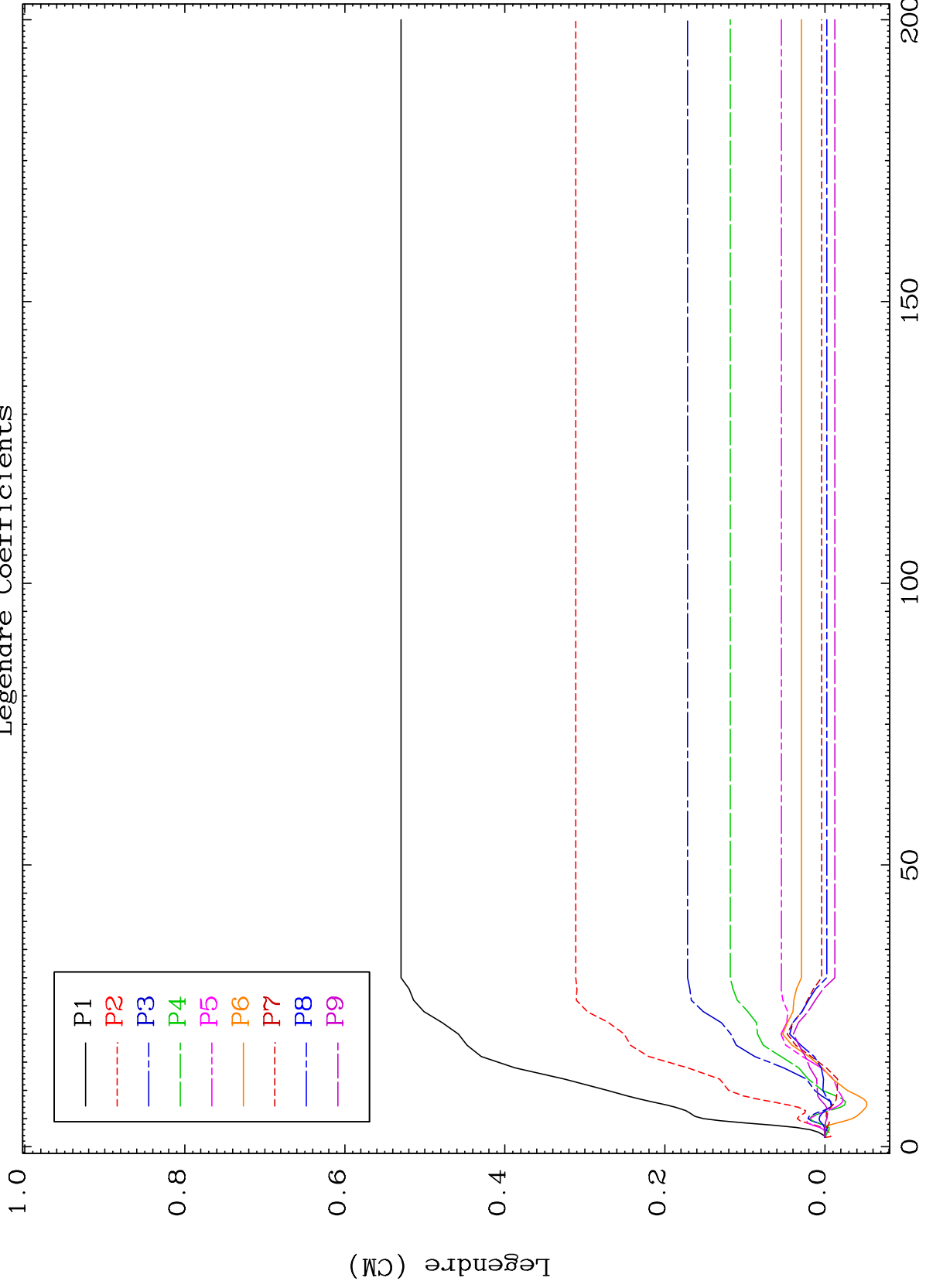
94

75-Re-189

MAT 7537

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

75-Re-189



75-Re-189

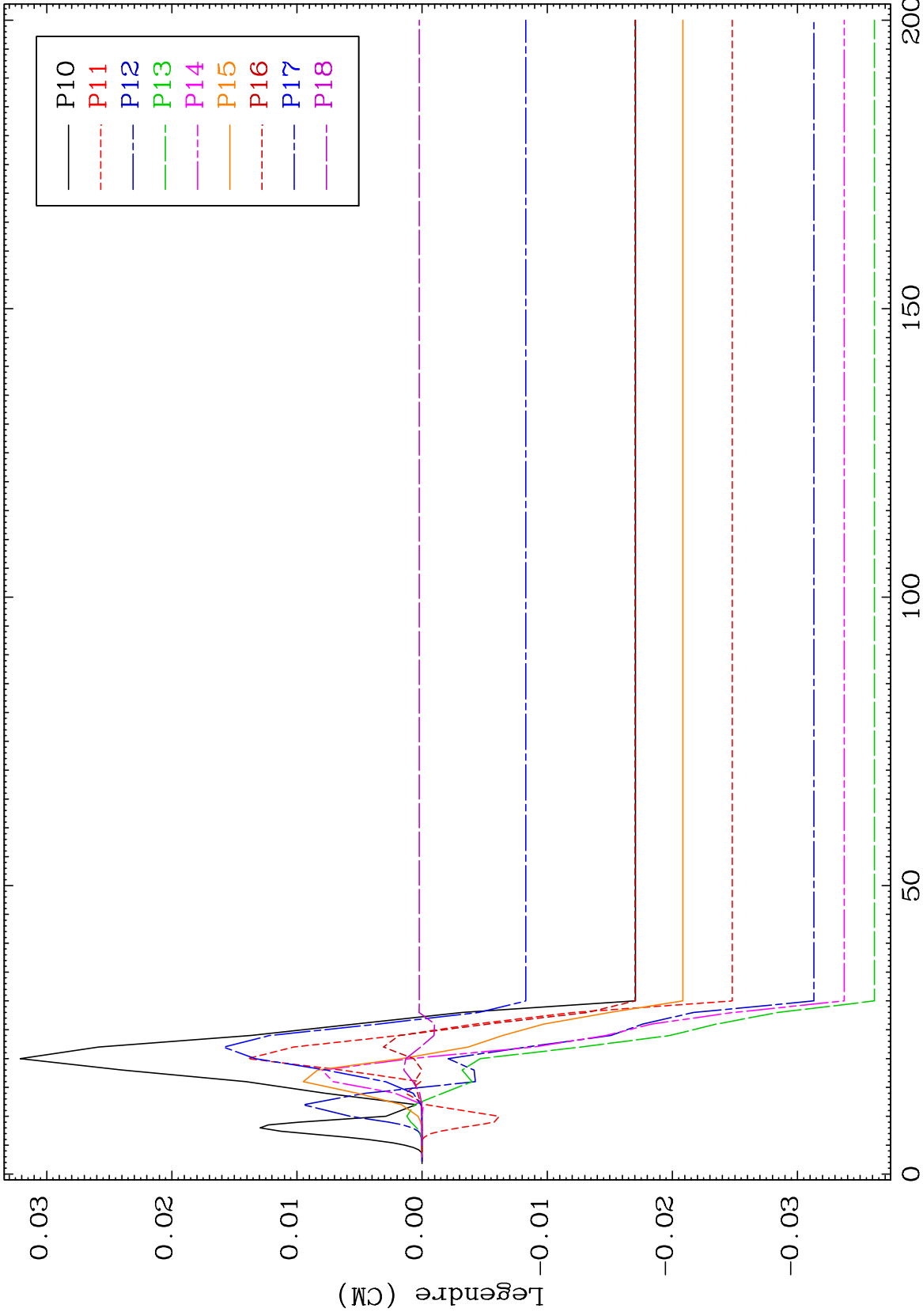
Incident Energy (MeV)

95

MAT 7537

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

75-Re-189



96

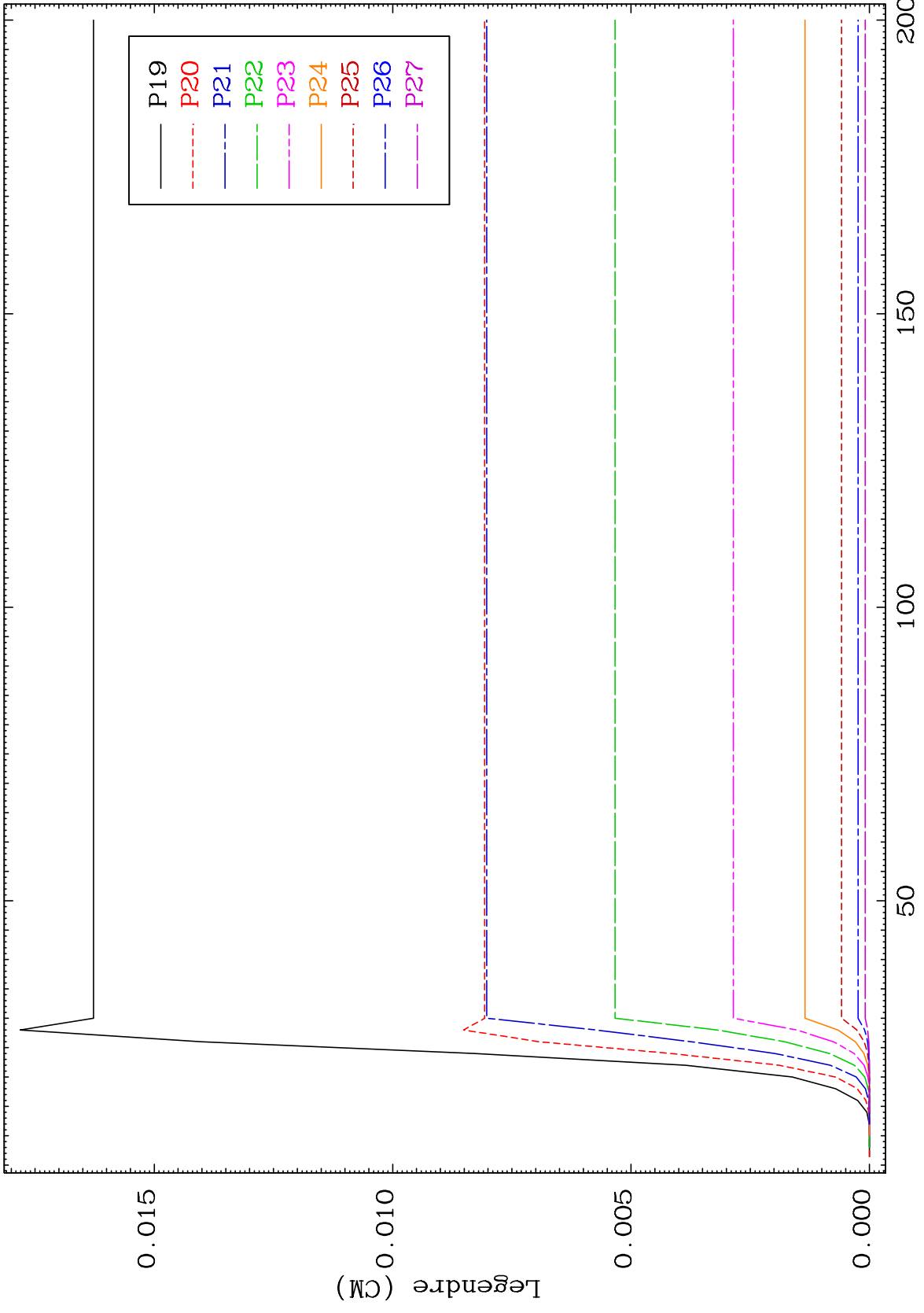
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



97

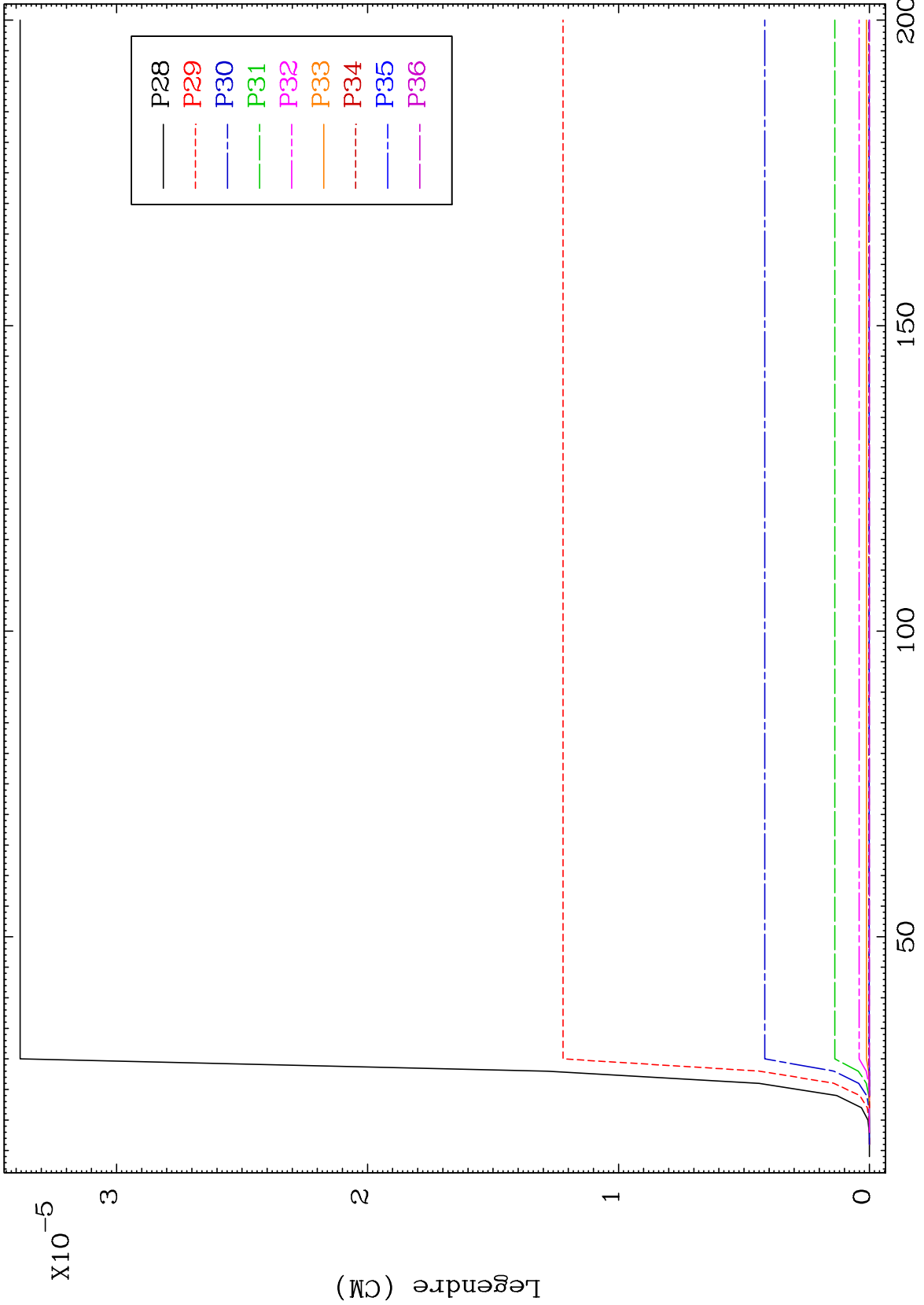
Incident Energy (MeV)

75-Re-189

MAT 7537

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

75-Re-189



98

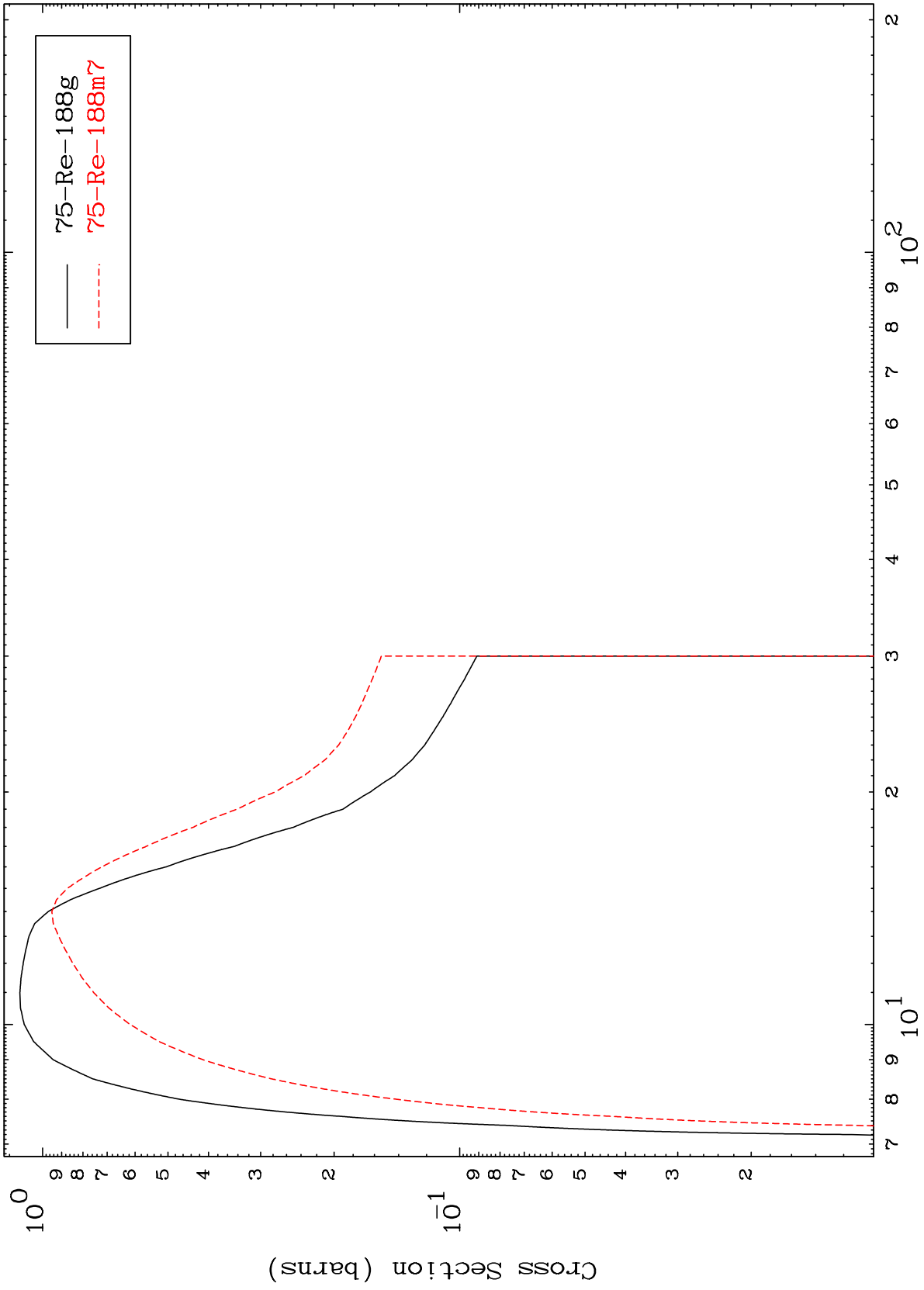
Incident Energy (MeV)

75-Re-189

MAT 7537

75-Re-189

(n,2n)
Radionuclide Production Cross Section



99

Incident Energy (MeV)

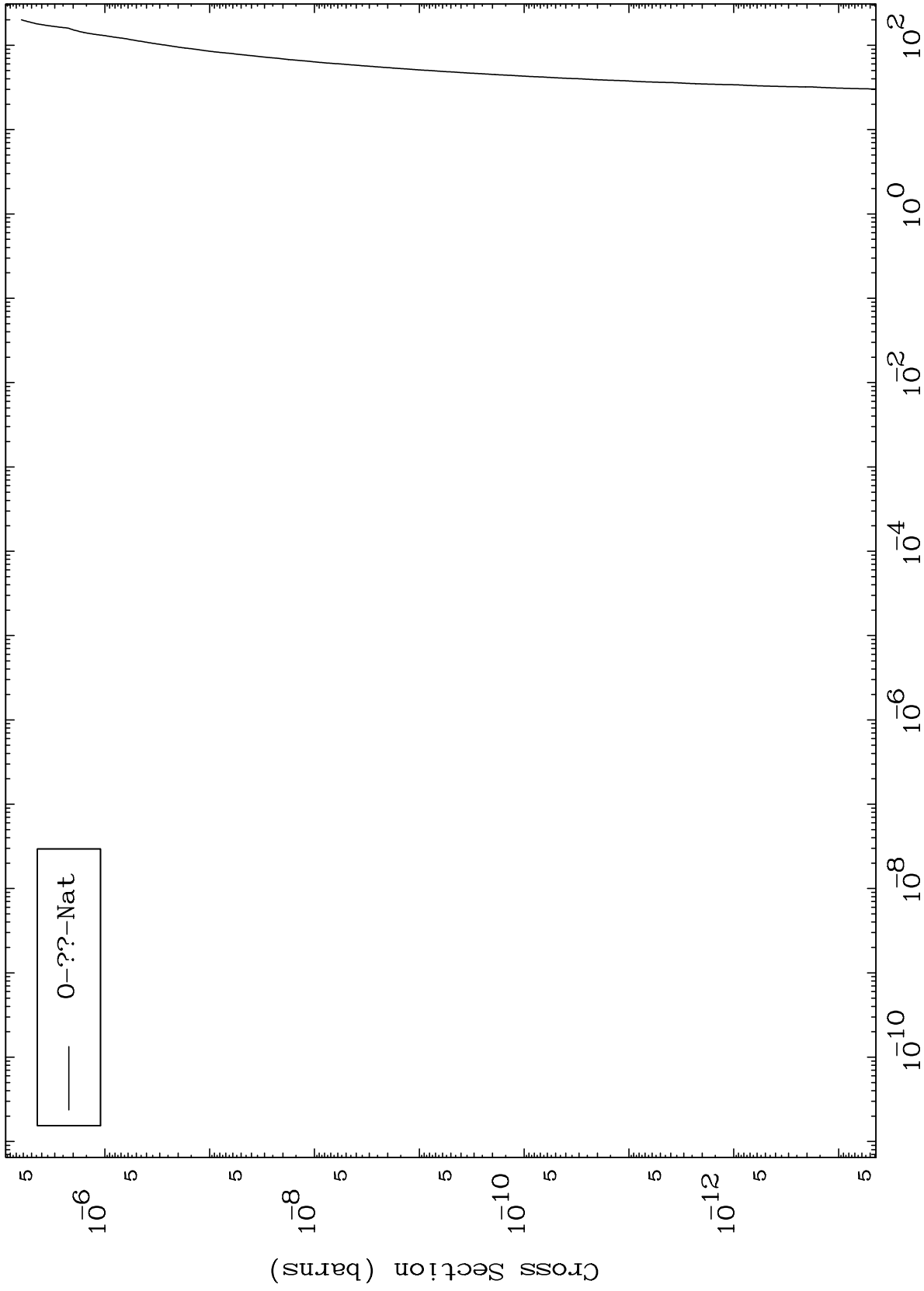
75-Re-189

MAT 7537

Fission

75-Re-189

Radionuclide Production Cross Section



100

Incident Energy (MeV)

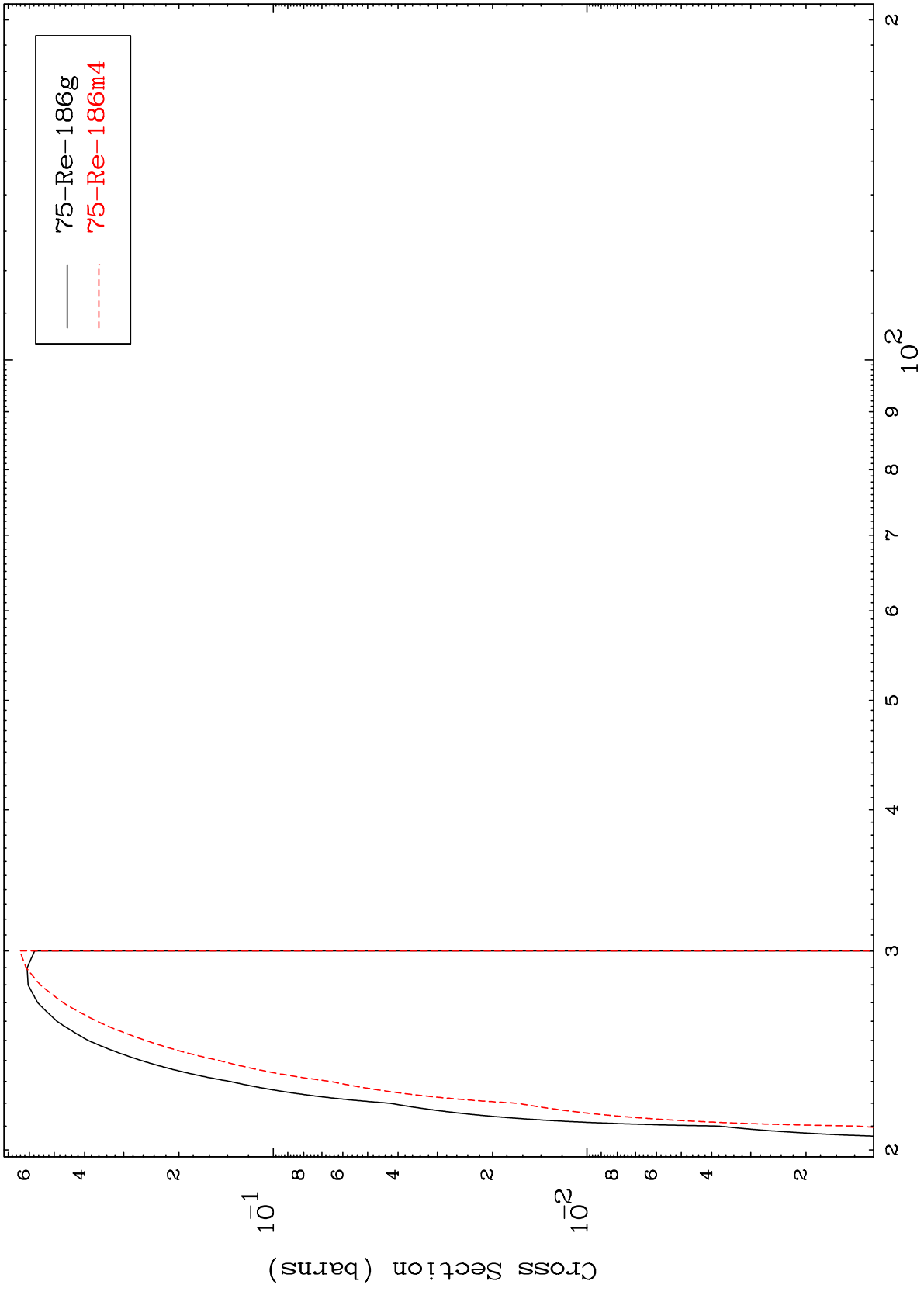
75-Re-189

MAT 7537

(n,4n)

75-Re-189

Radionuclide Production Cross Section



101

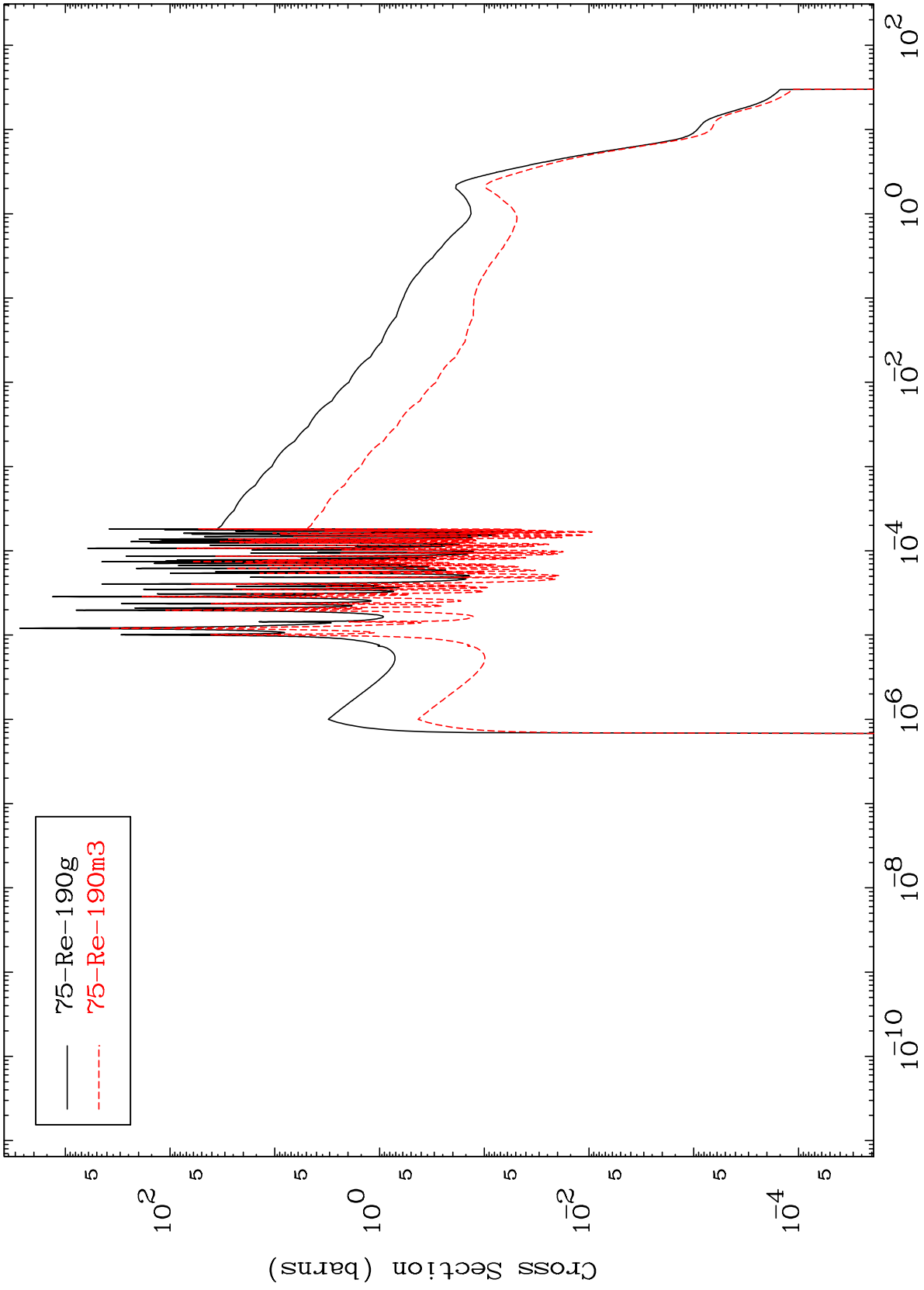
Incident Energy (MeV)

75-Re-189

MAT 7537

75-Re-189

(n, γ)
Radionuclide Production Cross Section



102

75-Re-189