

Program EVALPLOT
(Version 2021-1)

by

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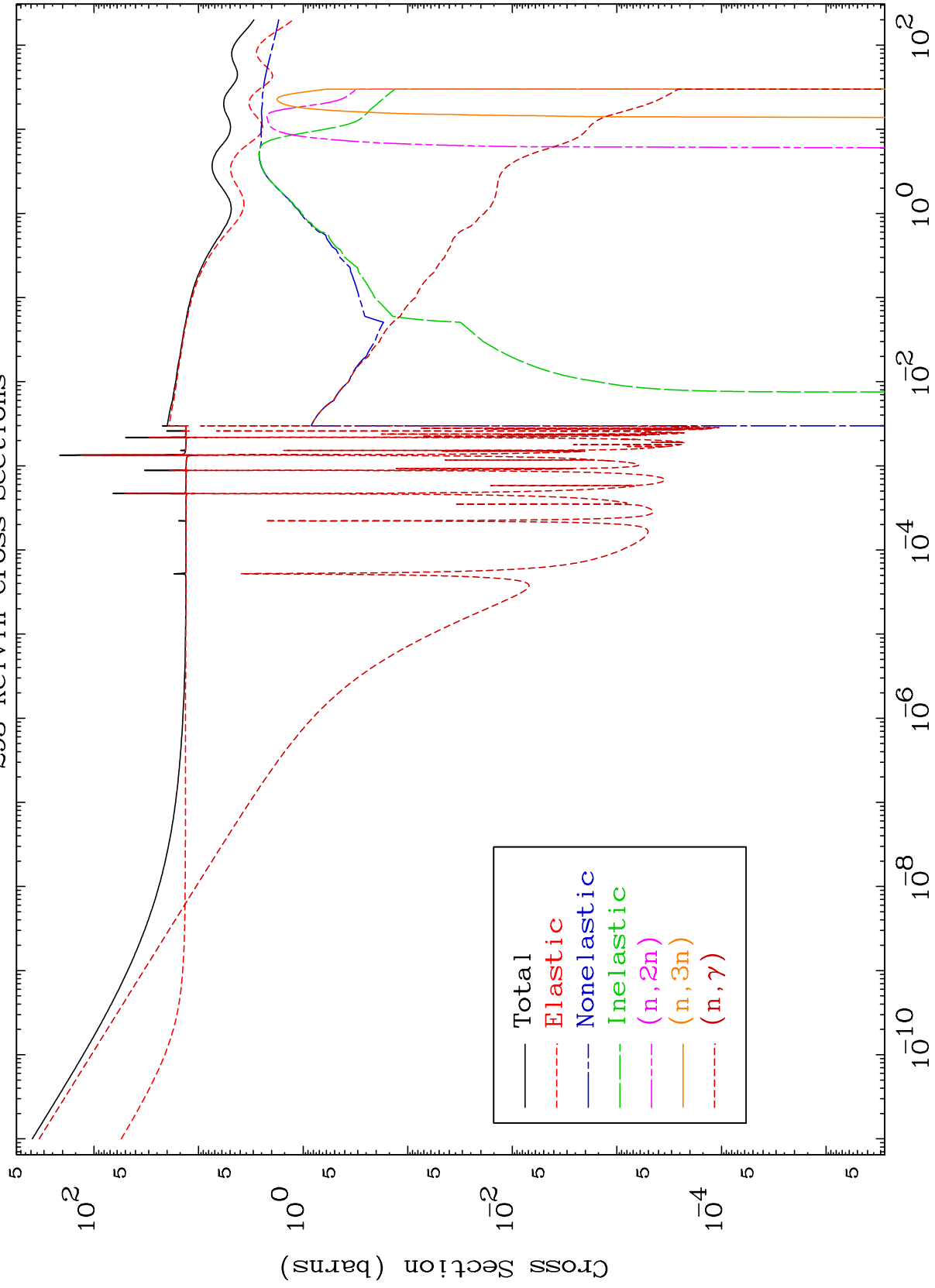
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8046

Neutron Major
293 Kelvin Cross Sections

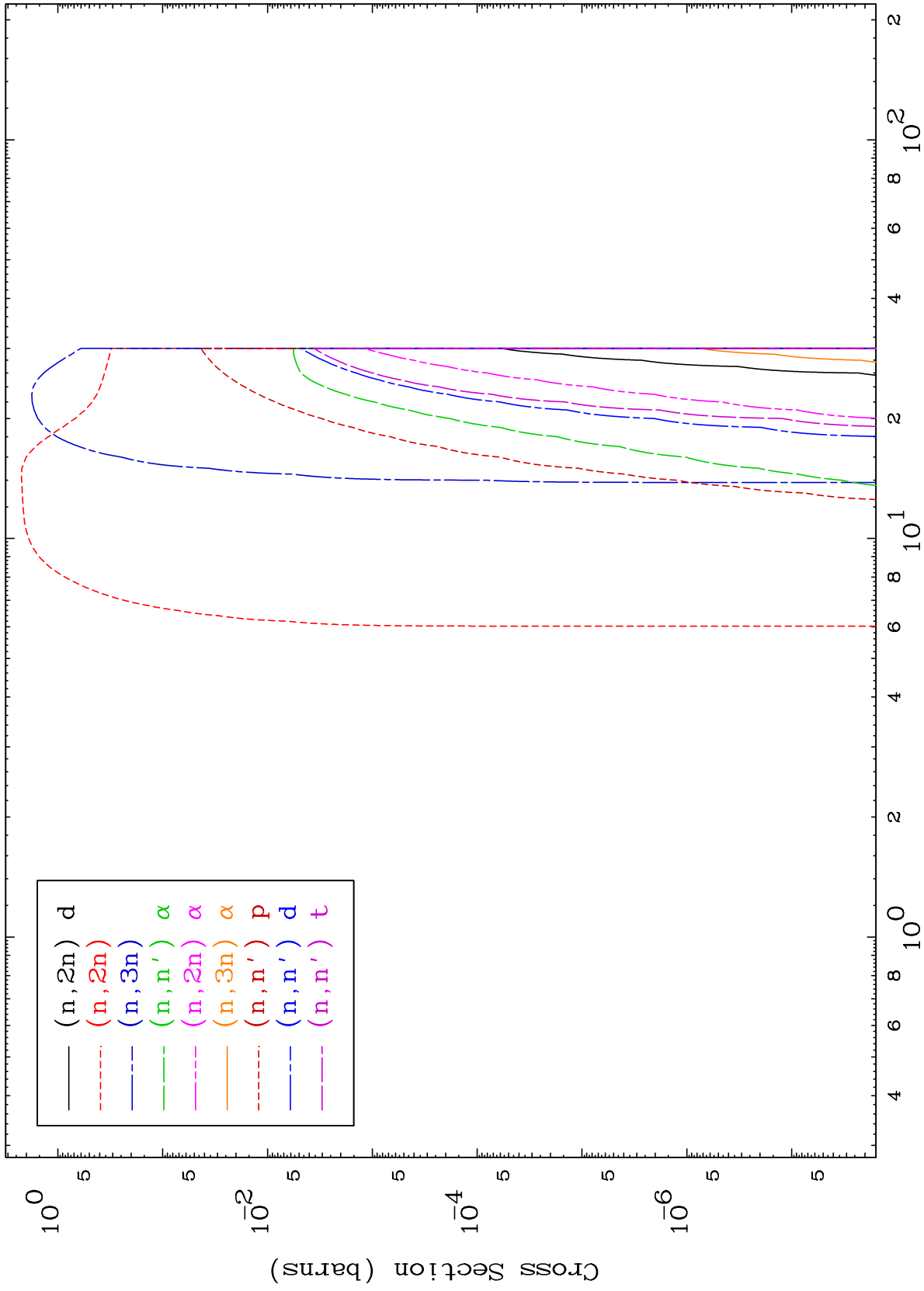
80-Hg-203



MAT 8046

Neutron Absorption
293 Kelvin Cross Sections

80-Hg-203



2

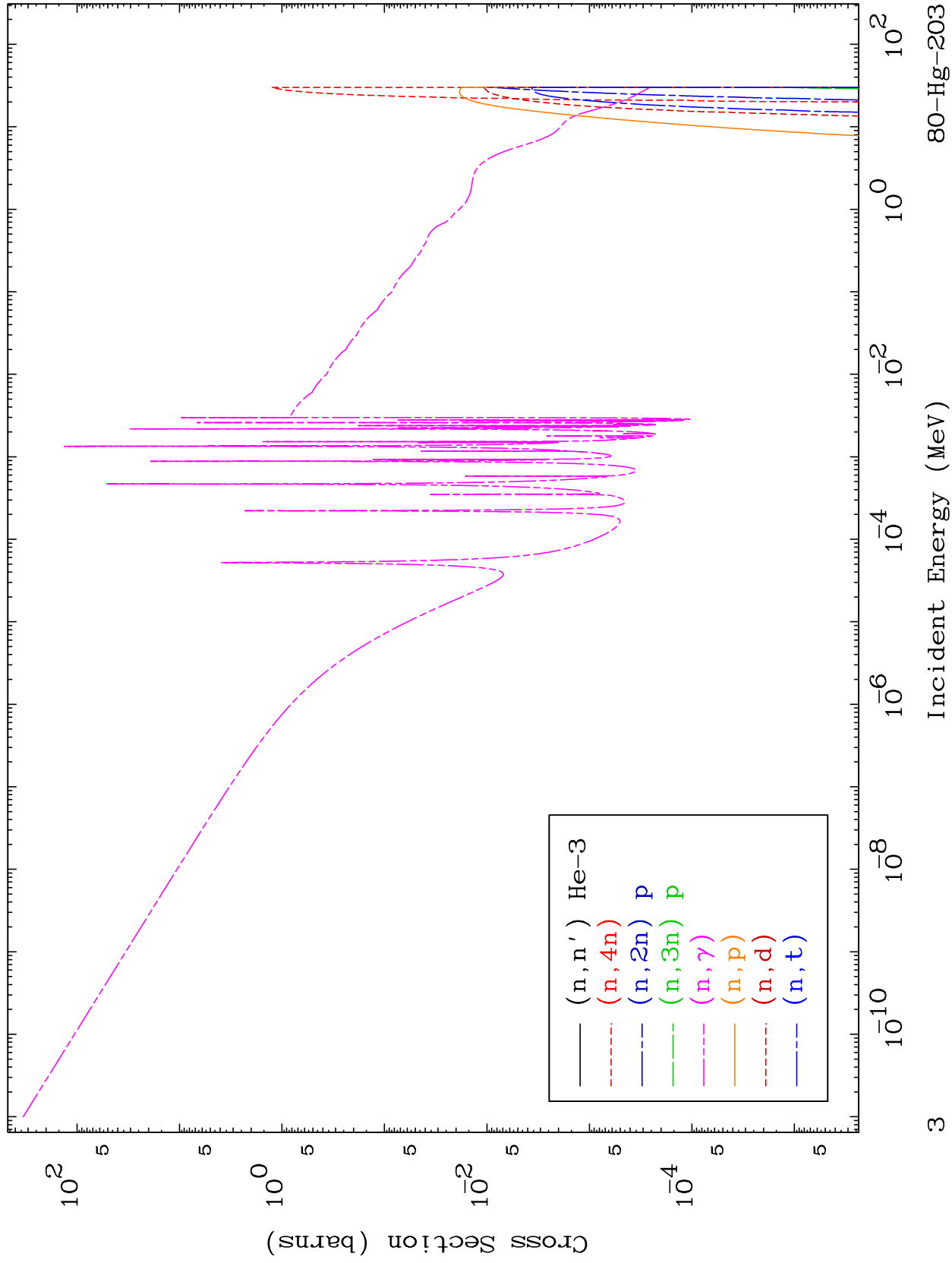
Incident Energy (MeV)

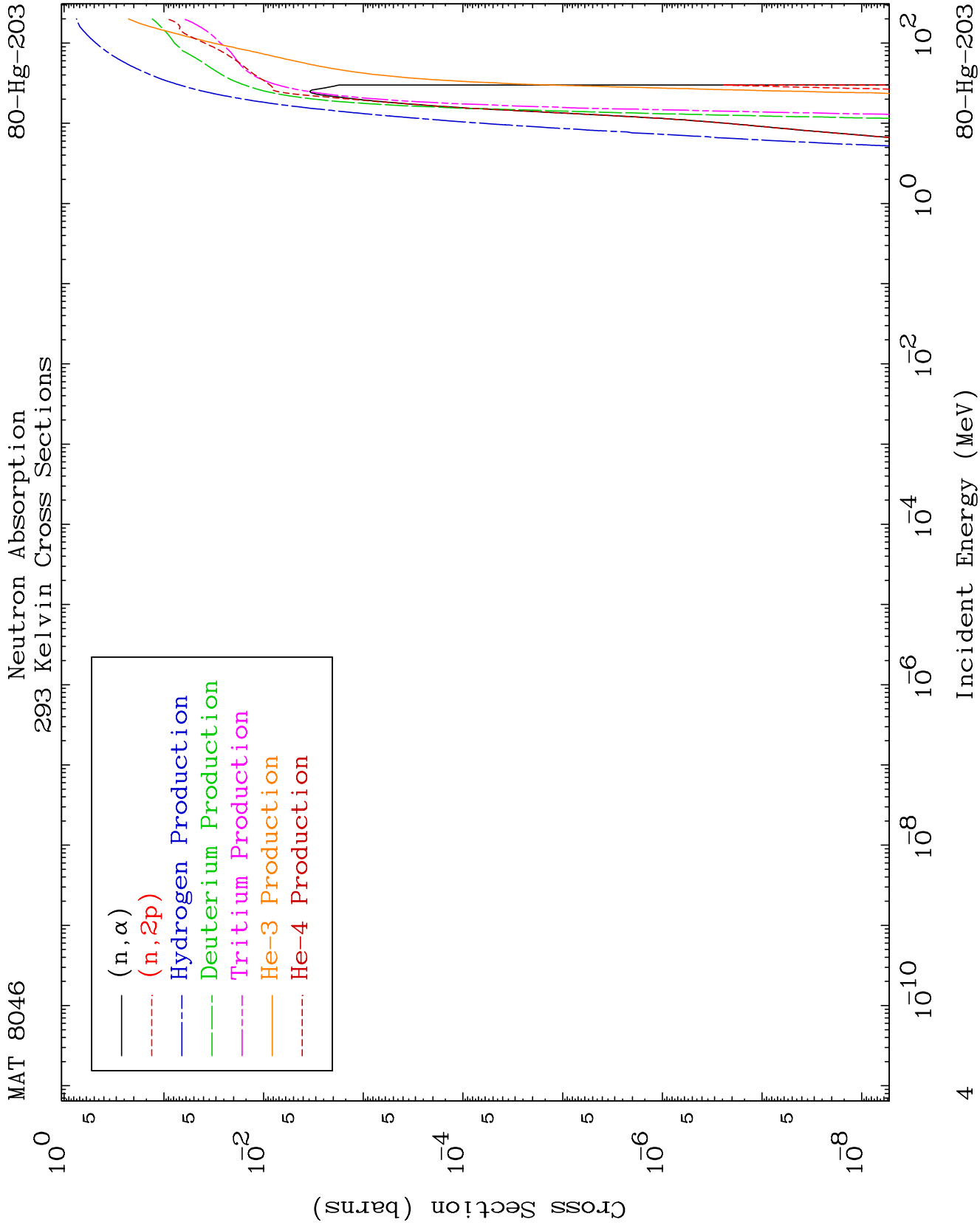
80-Hg-203

MAT 8046

Neutron Absorption
293 Kelvin Cross Sections

80-Hg-203

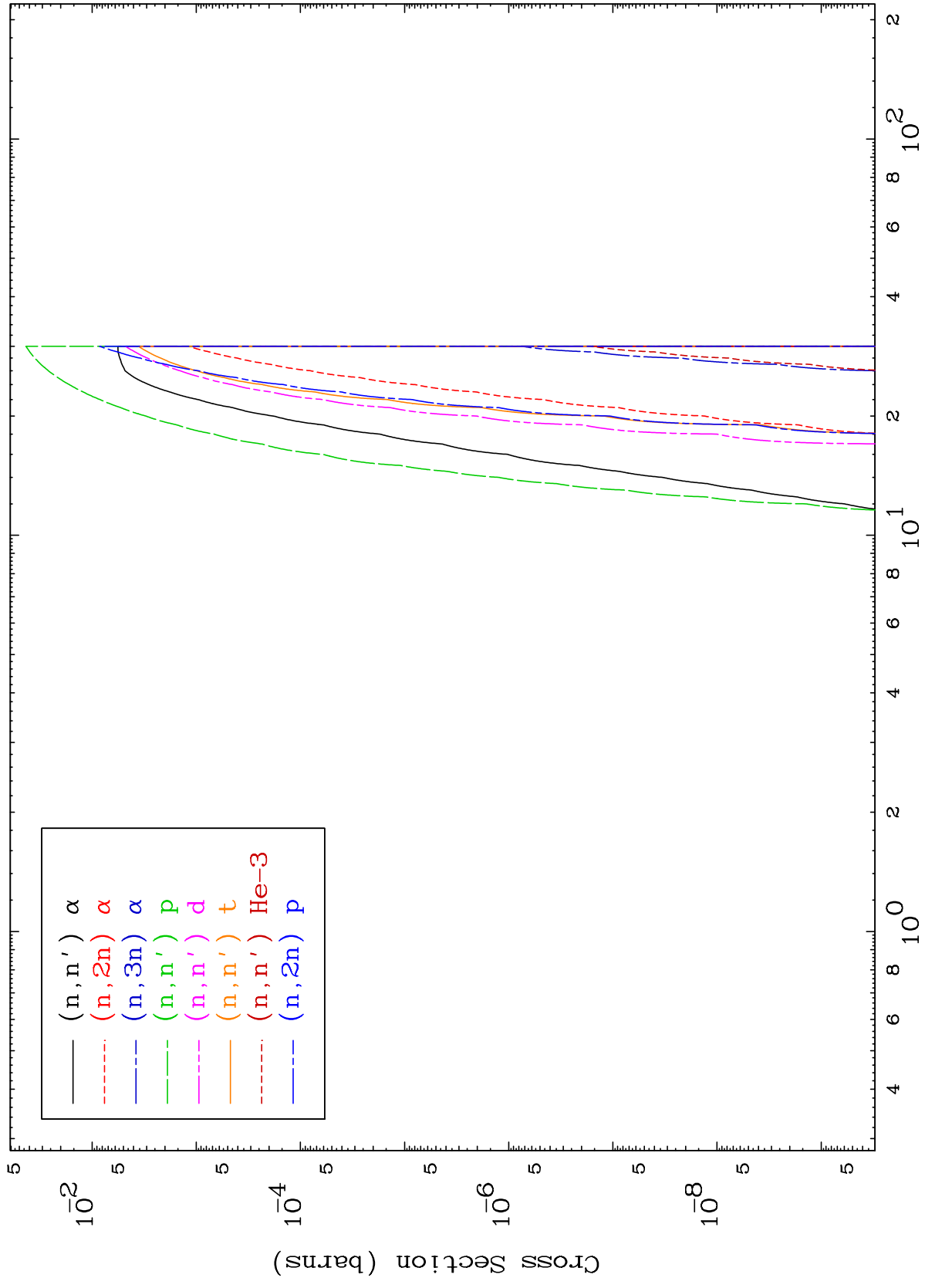




MAT 8046

293 Kelvin Cross Sections

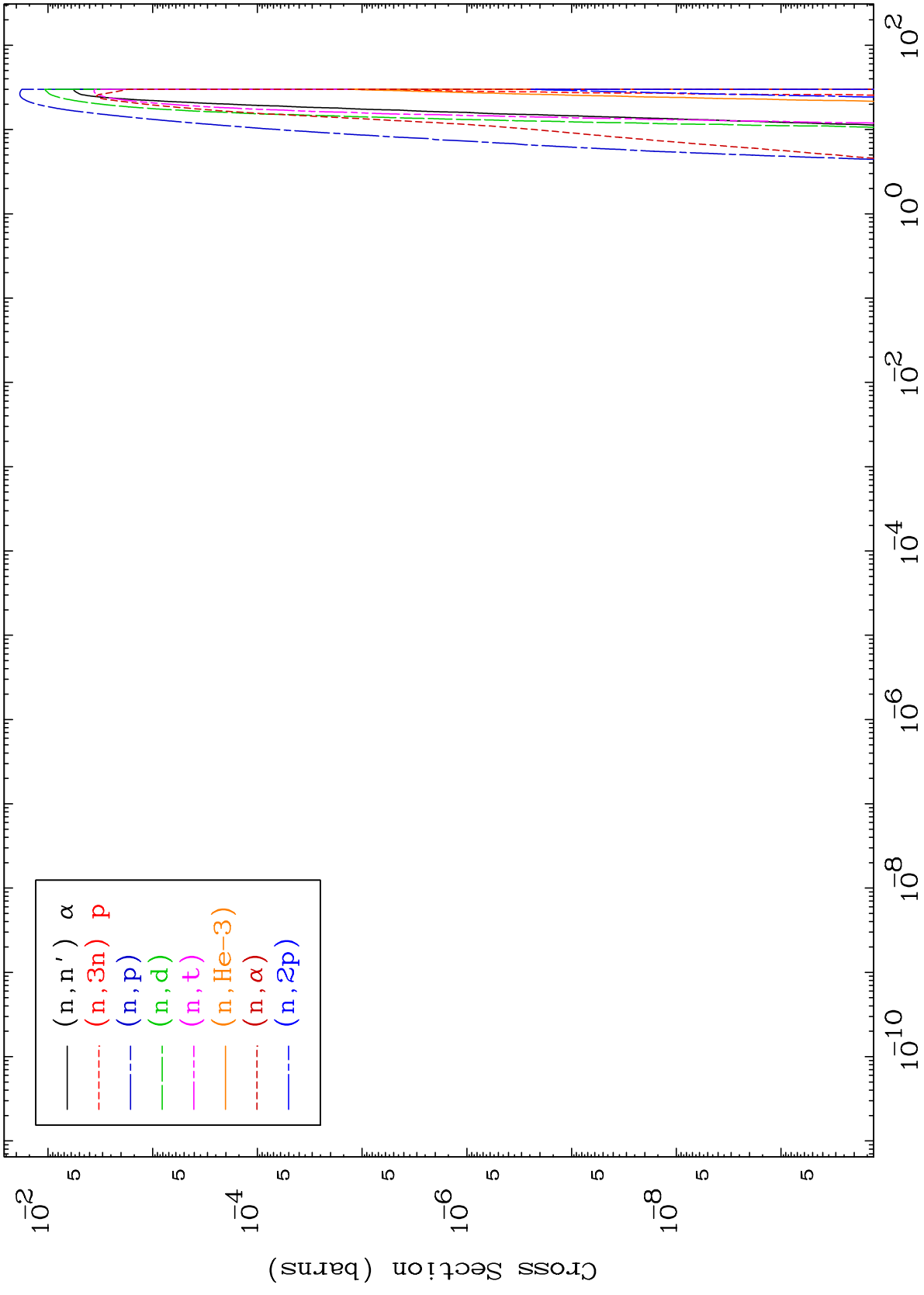
80-Hg-203



MAT 8046

293 Kelvin Cross Sections

80-Hg-203

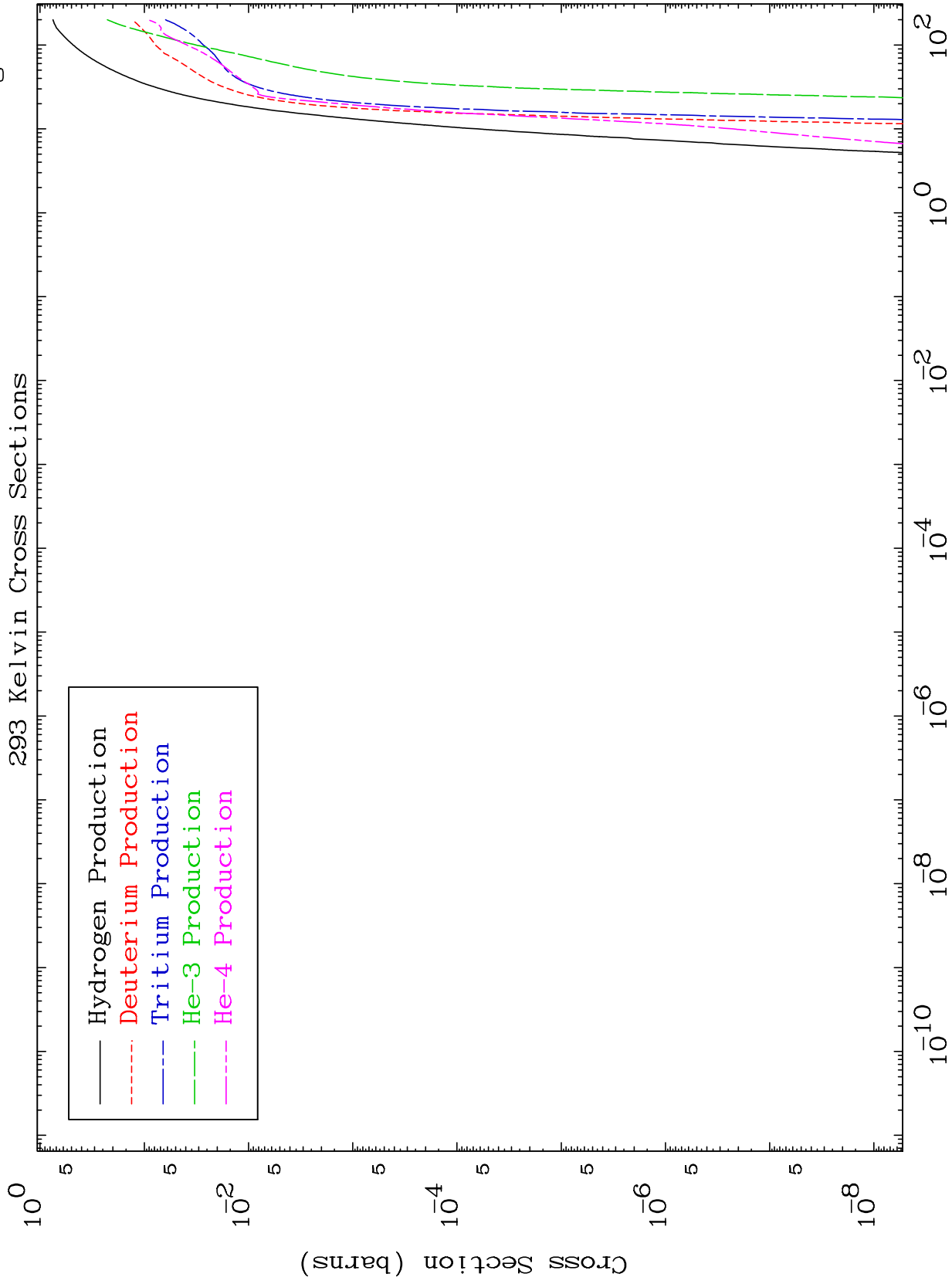


80-Hg-203

MAT 8046

Particle Production
293 Kelvin Cross Sections

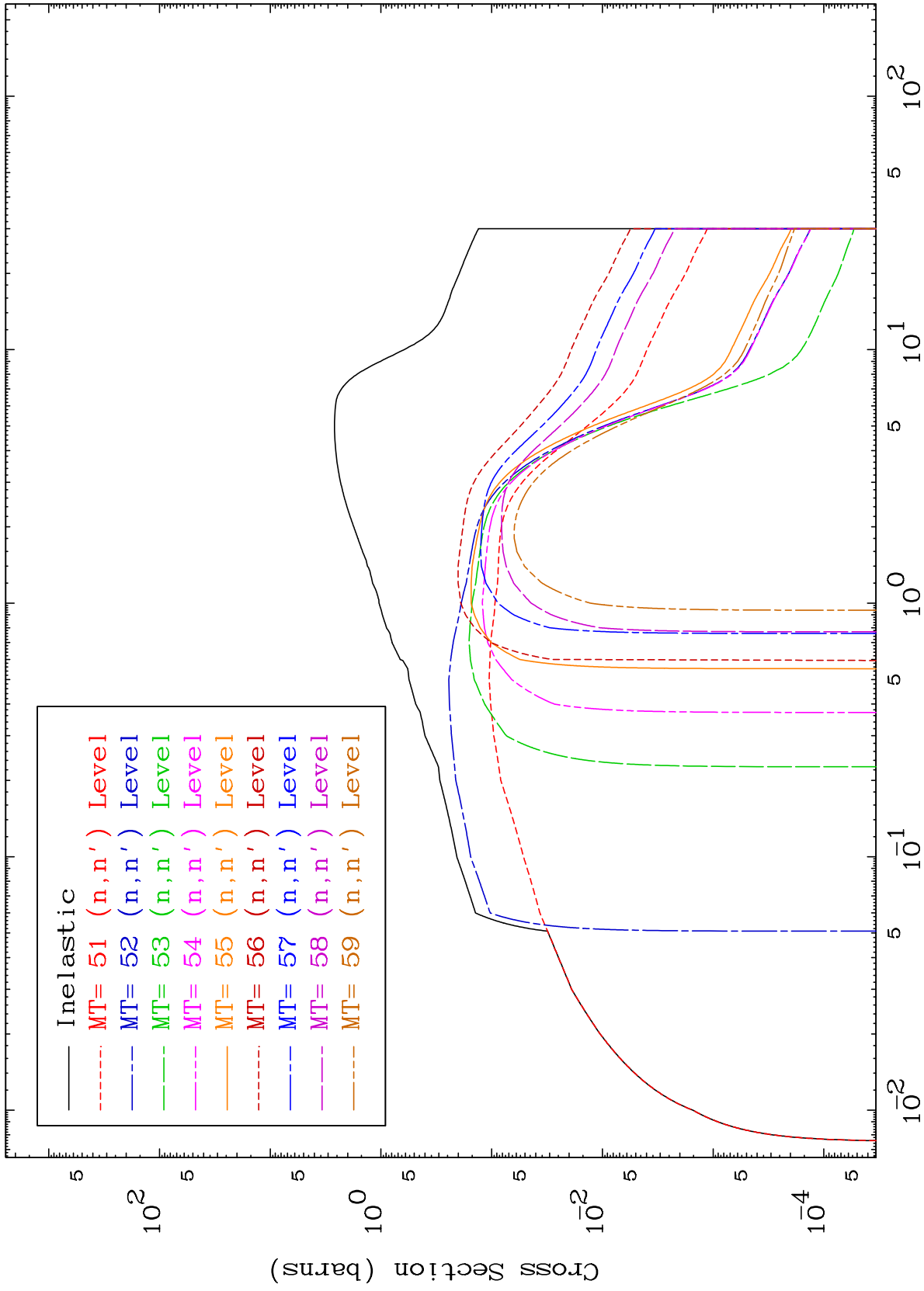
80-Hg-203



7

Incident Energy (MeV)

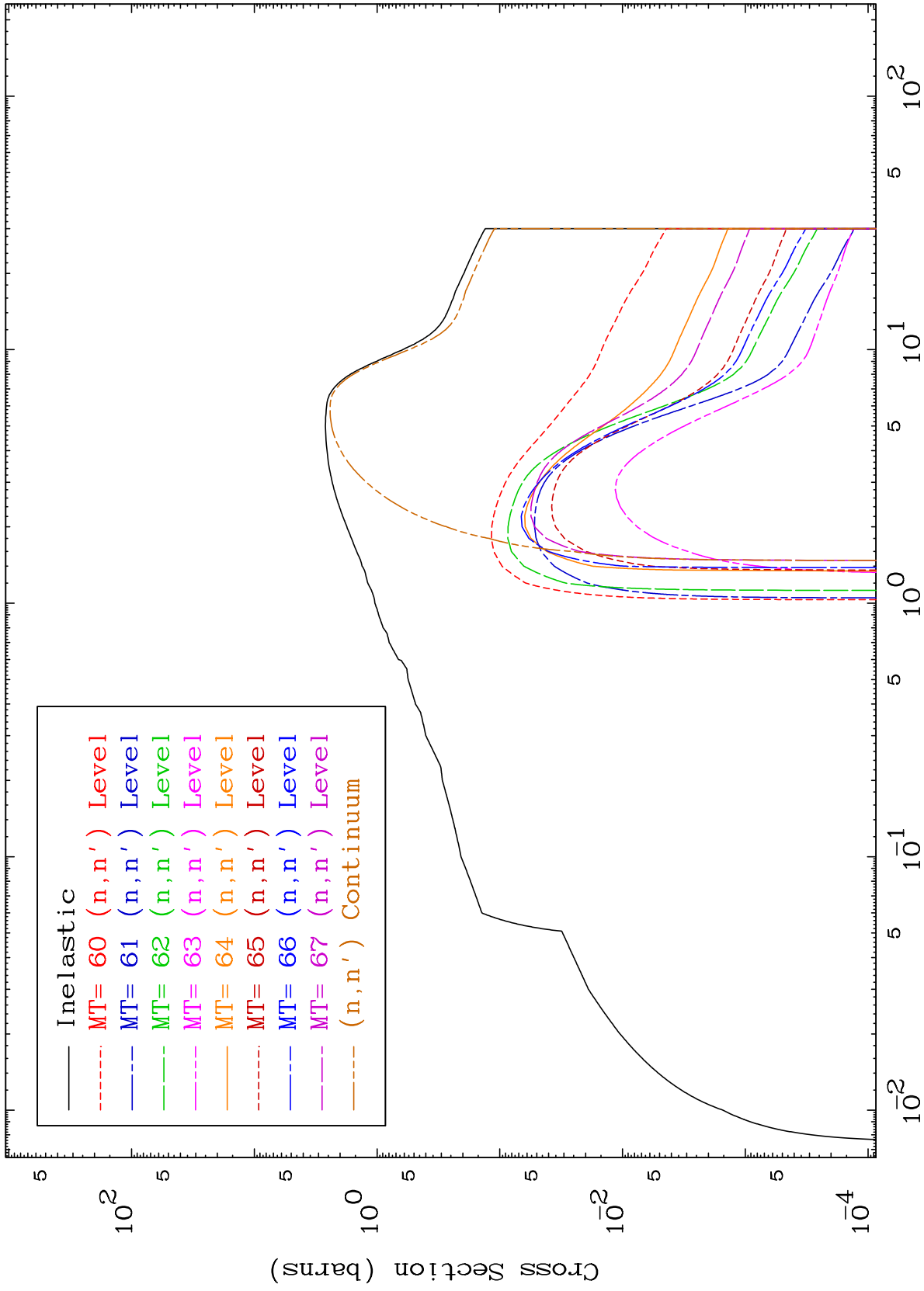
80-Hg-203



MAT 8046

293 Kelvin Cross Sections

80-Hg-203



9

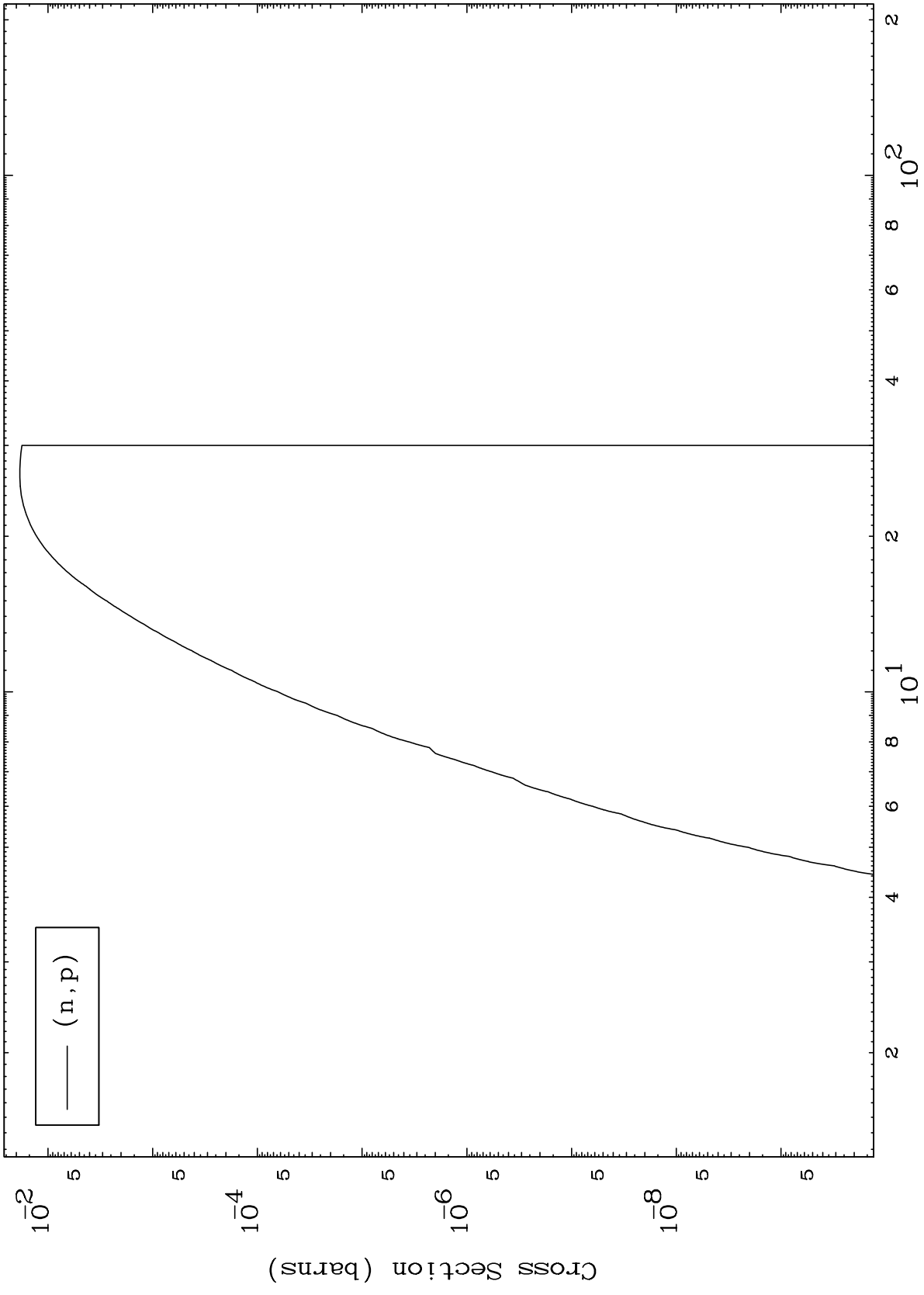
Incident Energy (MeV)

80-Hg-203

MAT 8046

(n,p) Levels
293 Kelvin Cross Sections

80-Hg-203



10

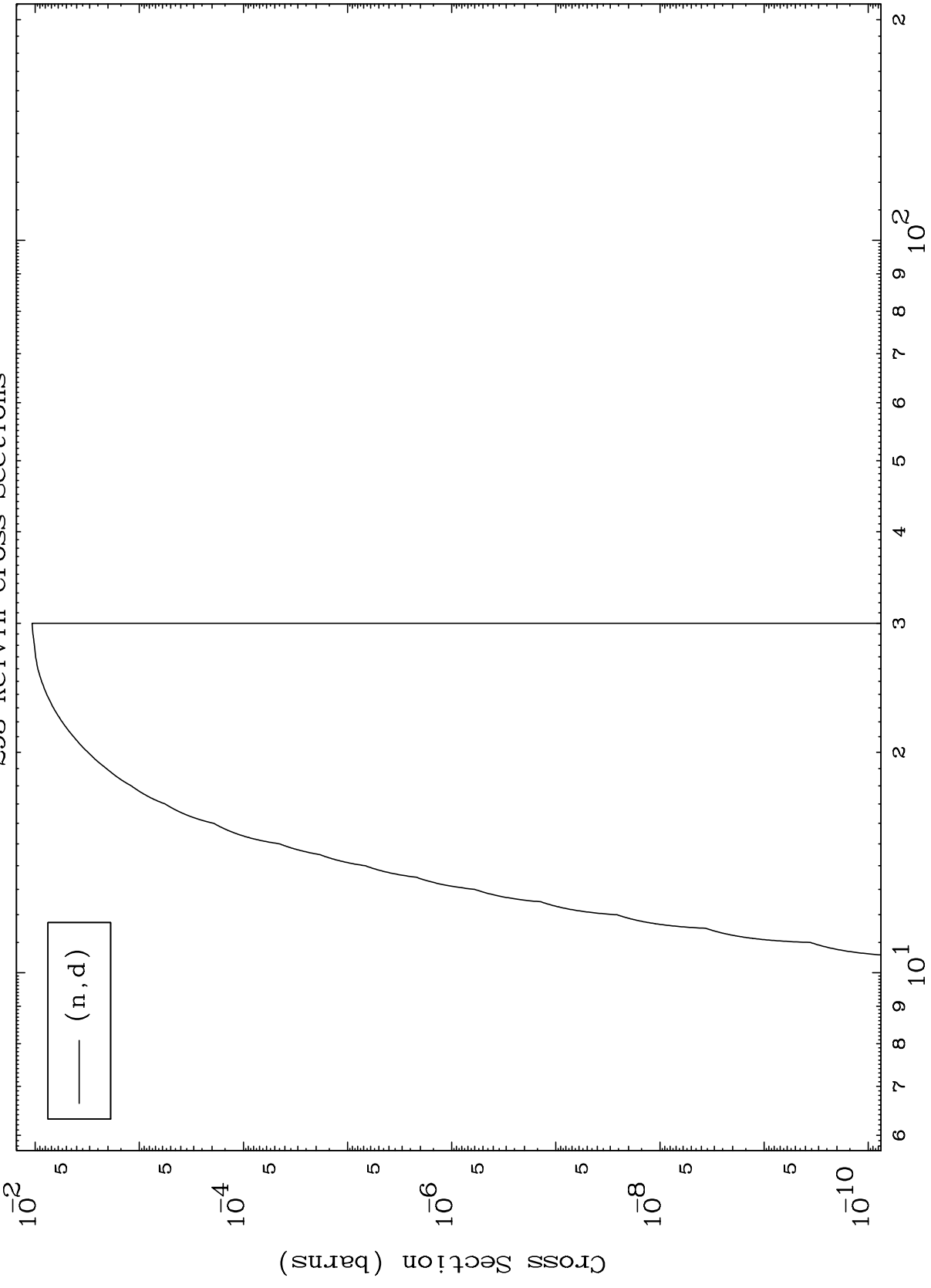
Incident Energy (MeV)

80-Hg-203

MAT 8046

(n,d) Levels
293 Kelvin Cross Sections

80-Hg-203

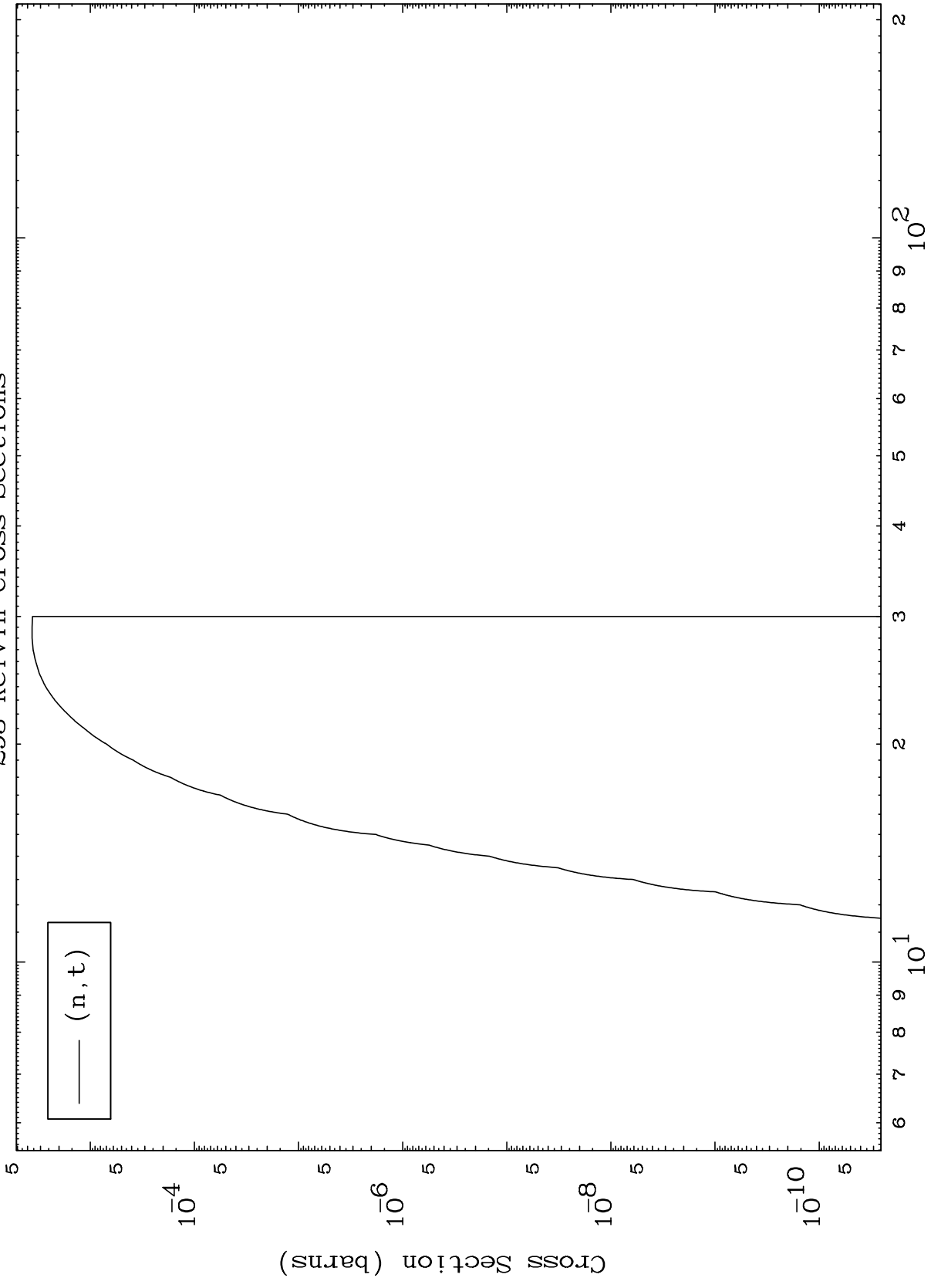


80-Hg-203

MAT 8046

(n,t) Levels
293 Kelvin Cross Sections

80-Hg-203



12

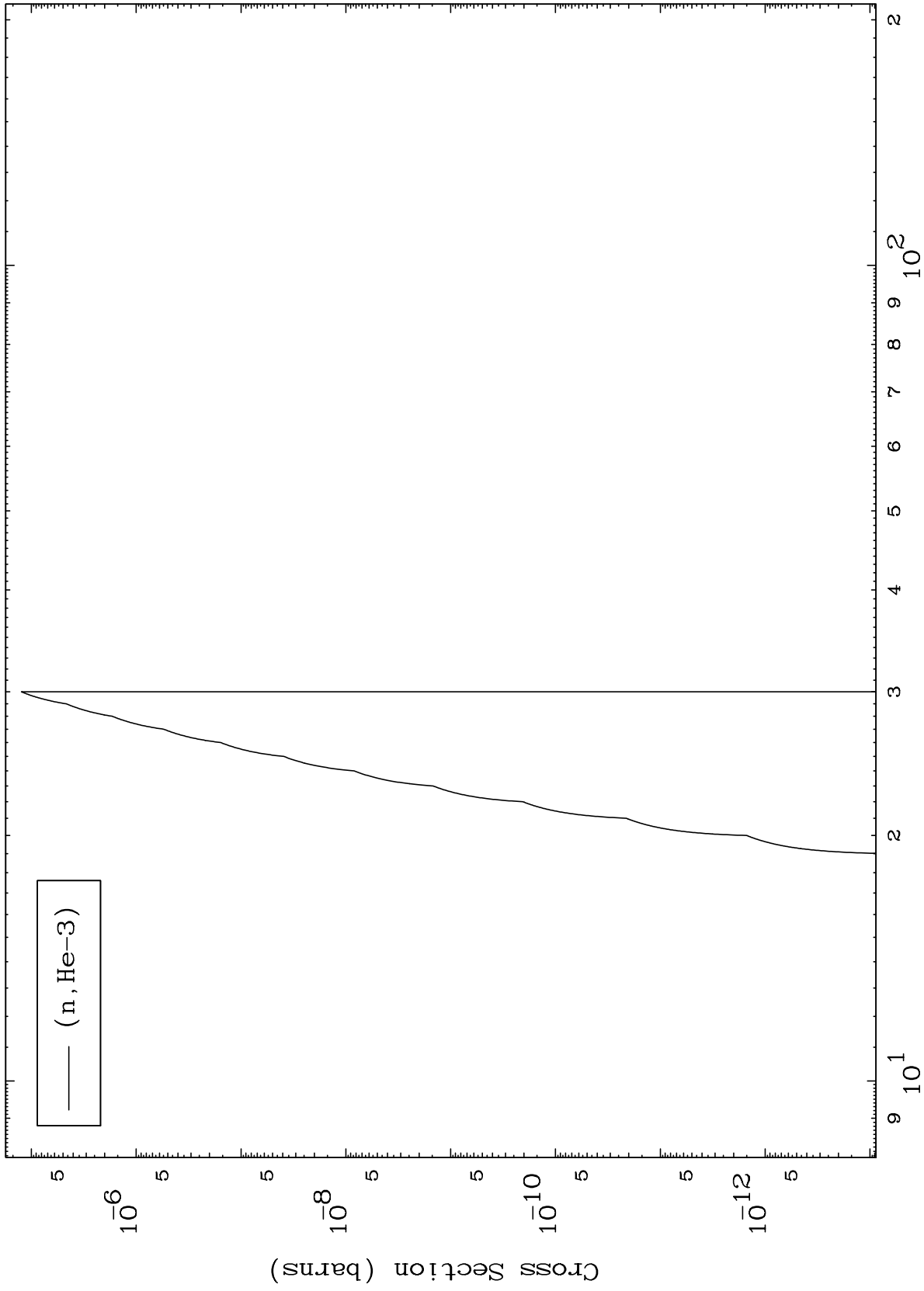
Incident Energy (MeV)

80-Hg-203

MAT 8046

(n,He3) Levels
293 Kelvin Cross Sections

80-Hg-203



13

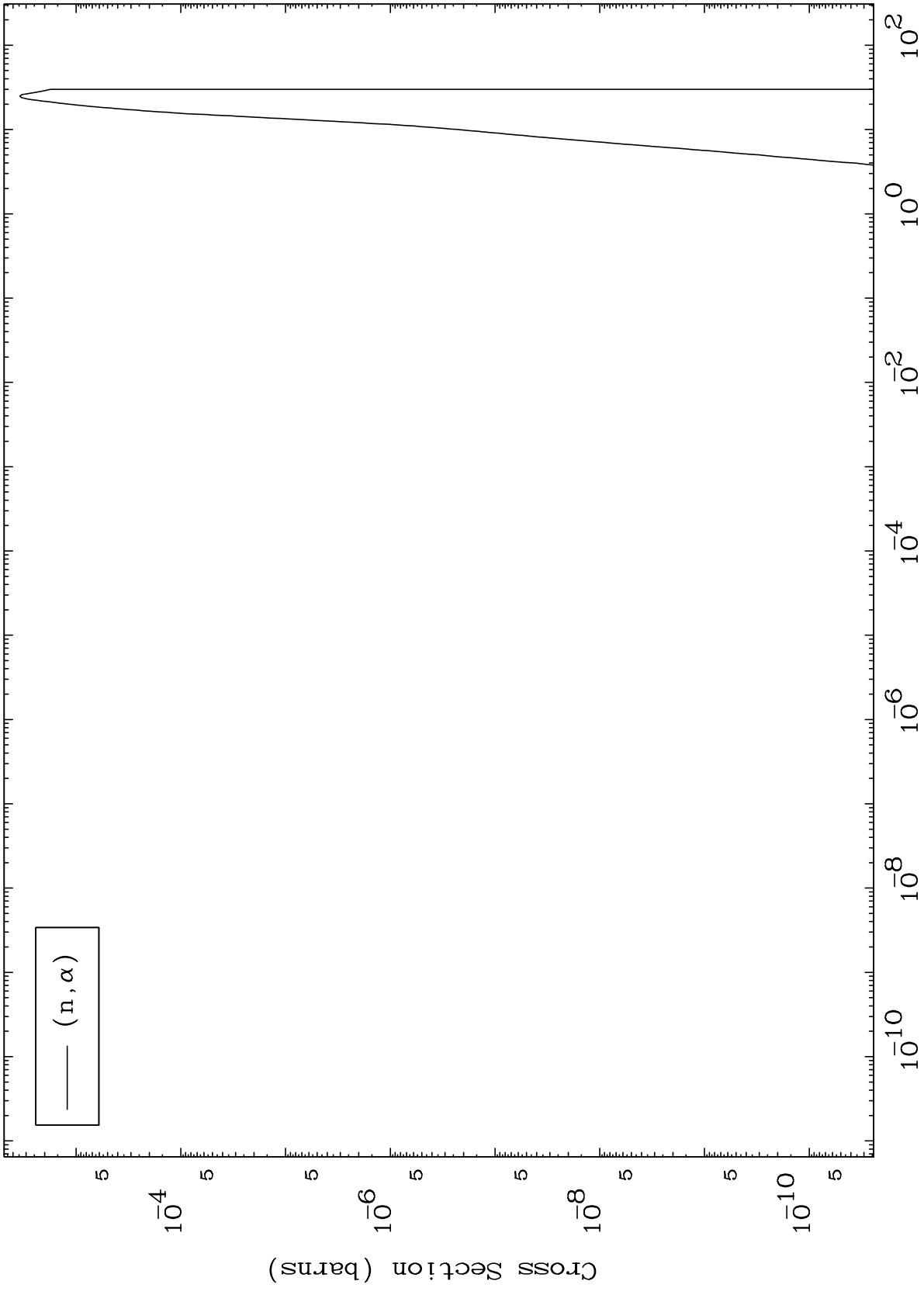
Incident Energy (MeV)

80-Hg-203

MAT 8046

(n,α) Levels
293 Kelvin Cross Sections

80-Hg-203

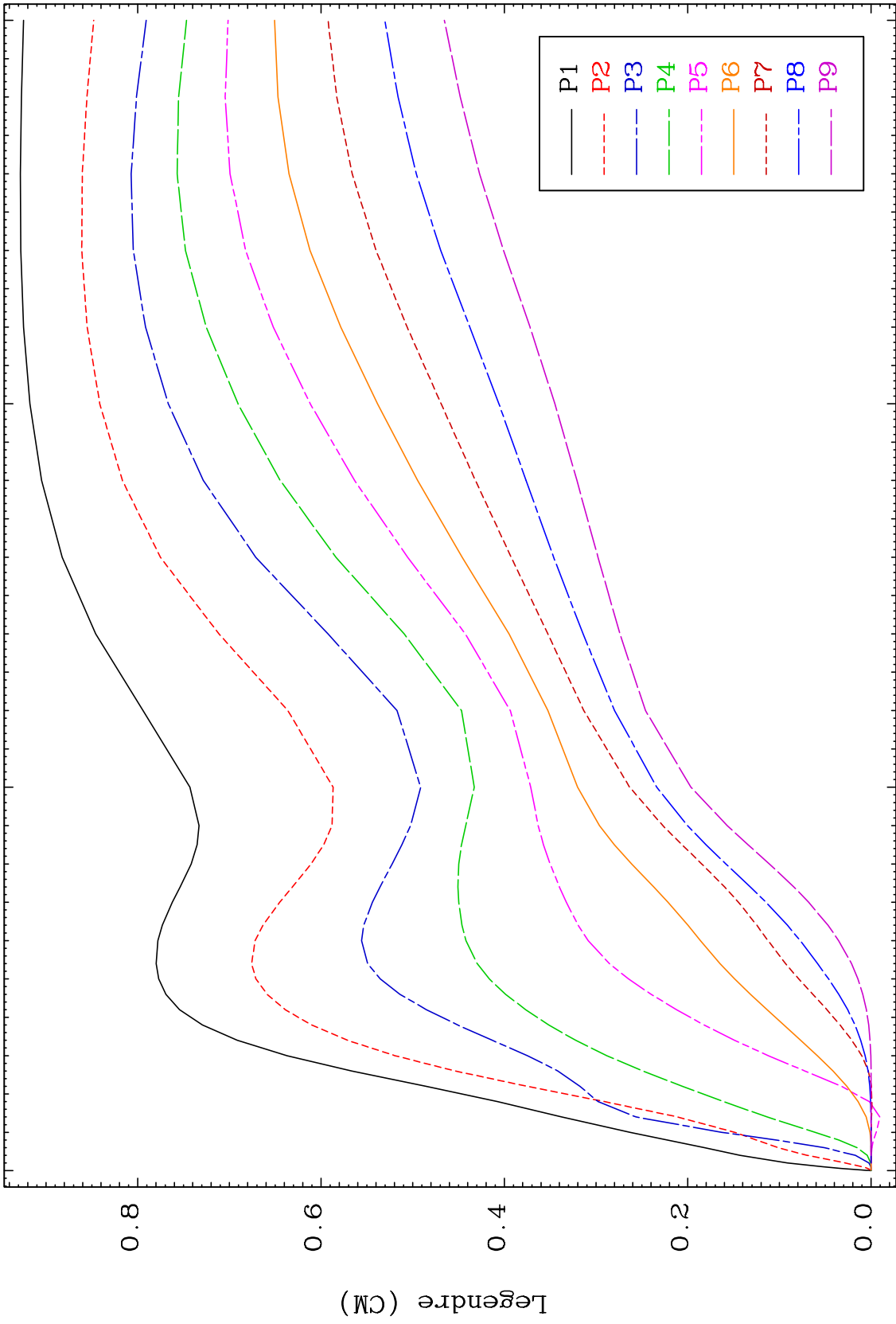


80-Hg-203

MAT 8046

Elastic Legendre Coefficients

80-Hg-203



0

0.0

0.2

0.4

0.6

0.8

Legendre (CM)

Incident Energy (MeV)

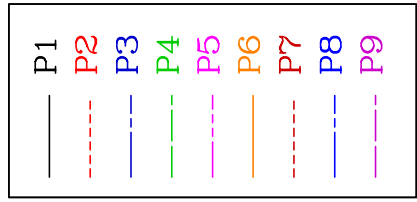
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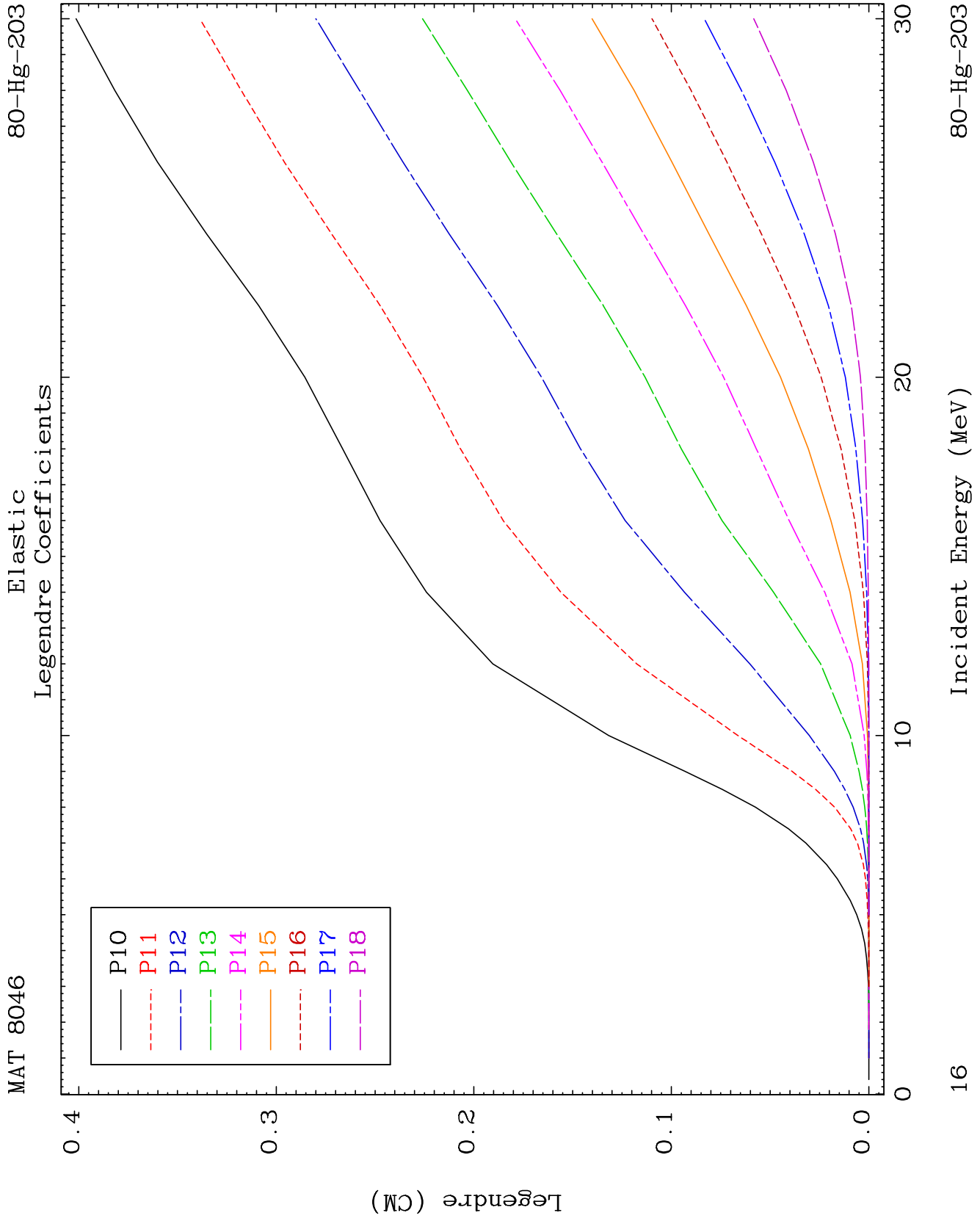
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20

30

80-Hg-203

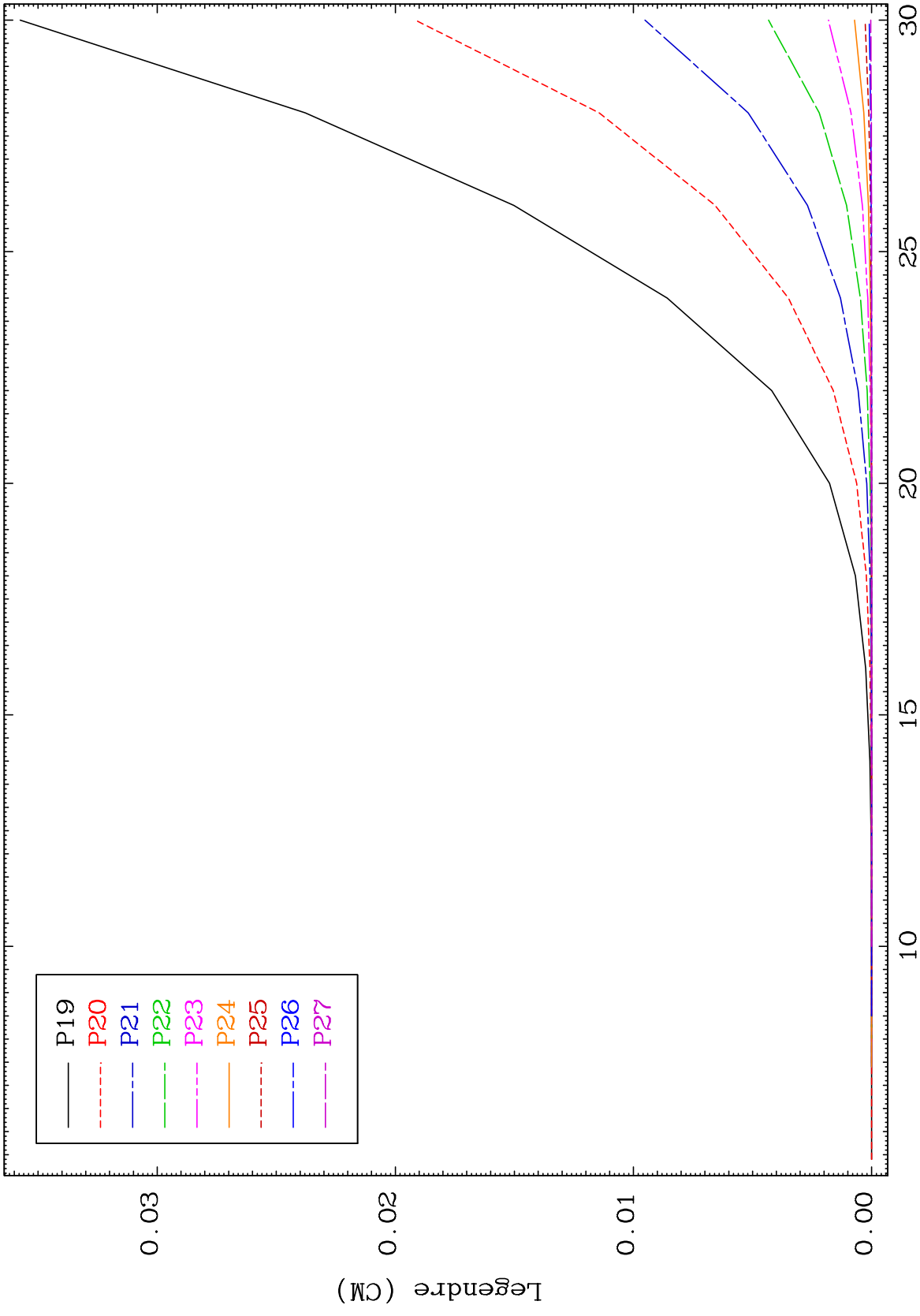




MAT 8046

Elastic Legendre Coefficients

80-Hg-203



17

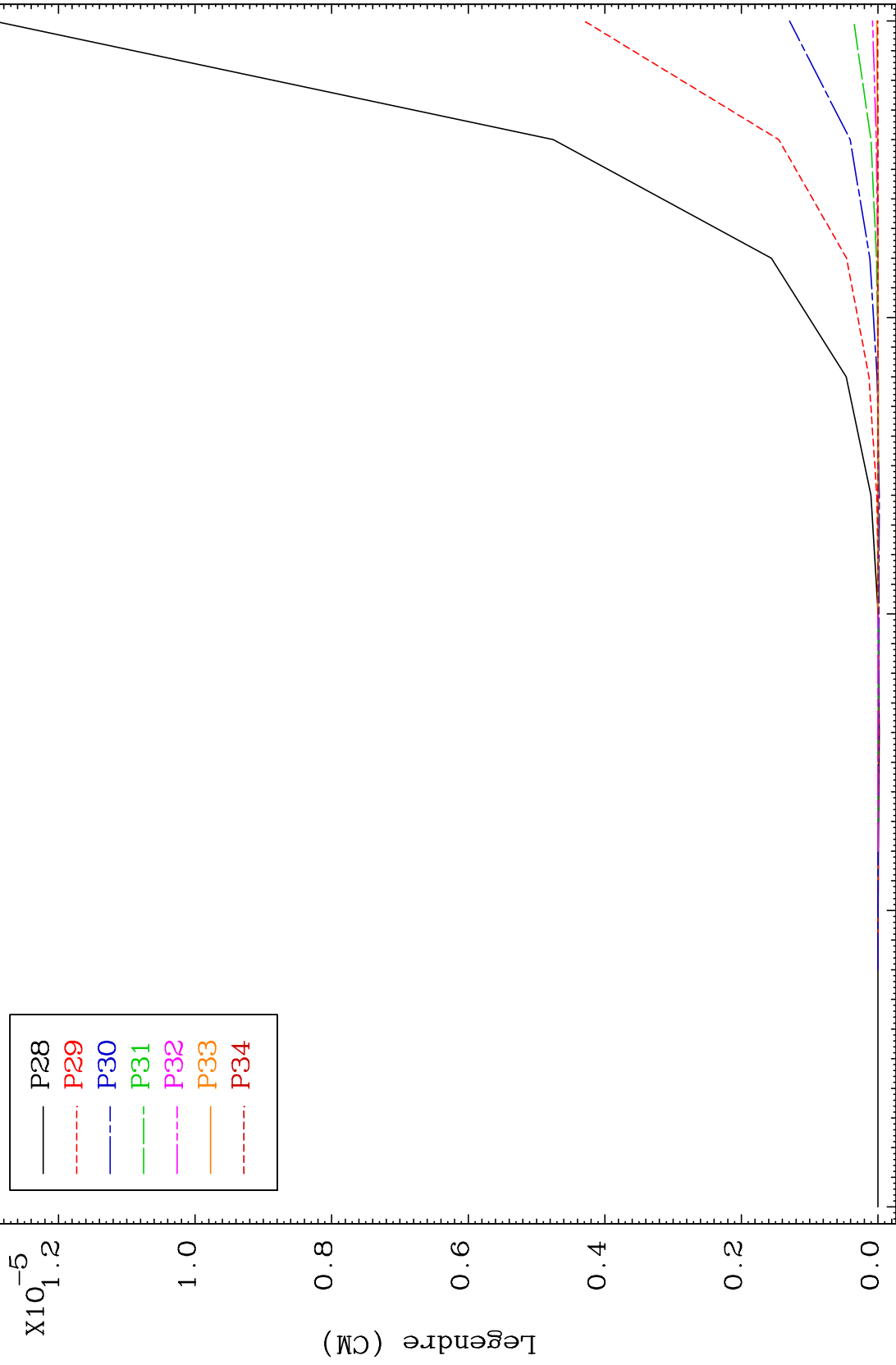
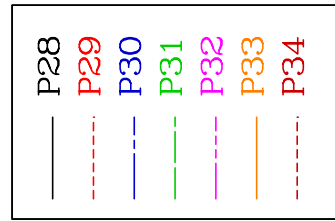
Incident Energy (MeV)

80-Hg-203

MAT 8046

Elastic Legendre Coefficients

80-Hg-203



18

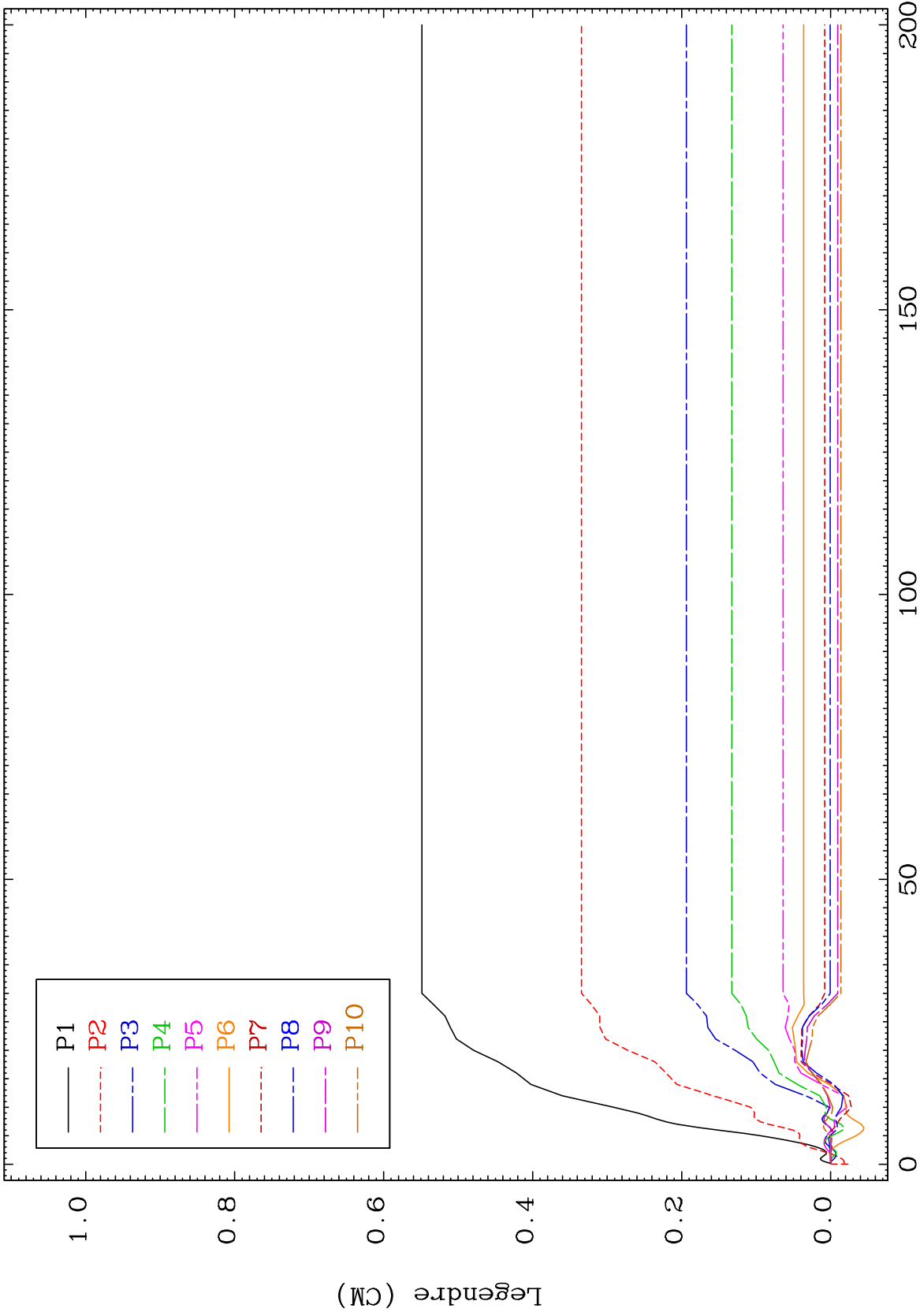
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



19

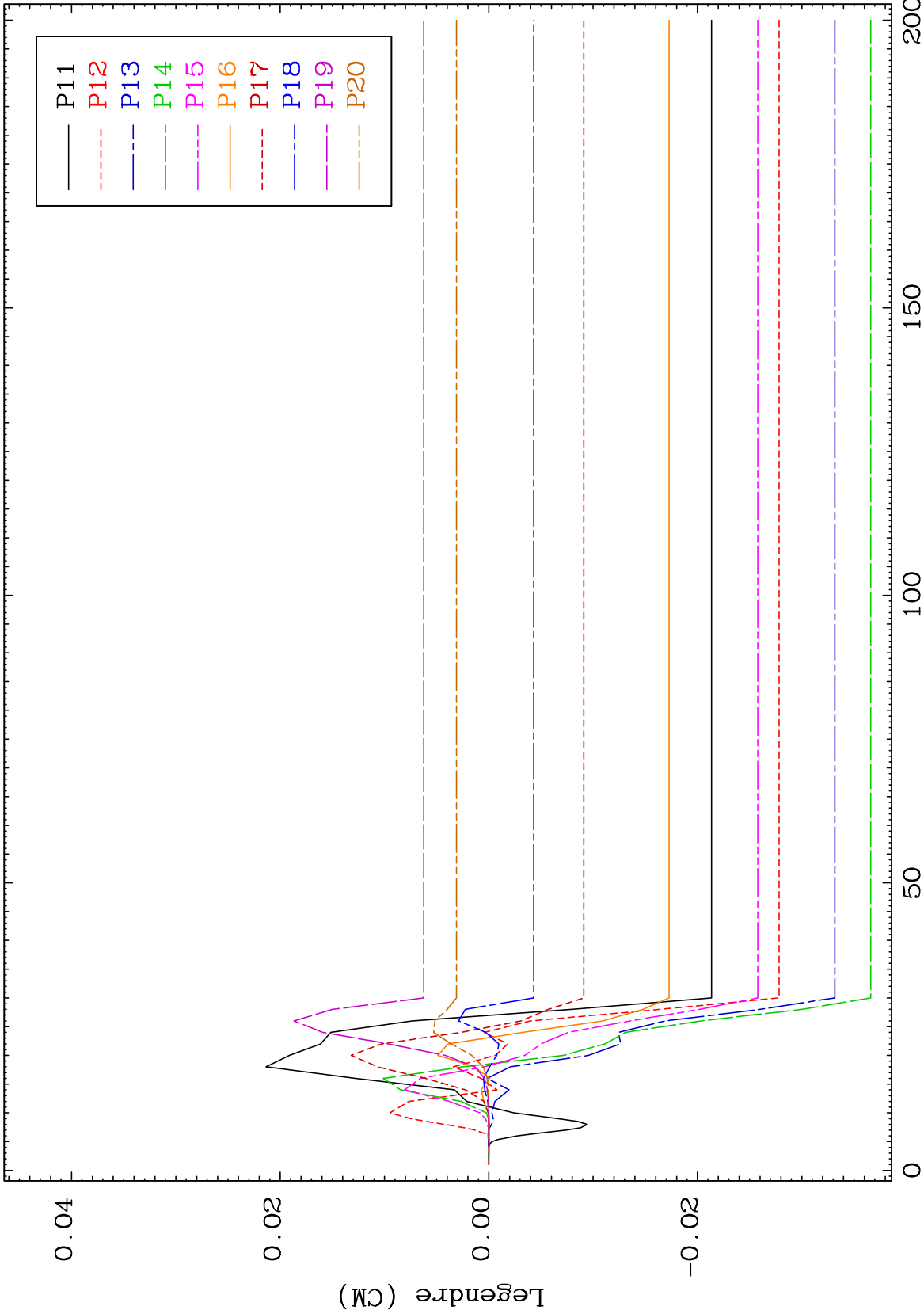
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



0

50

100

150

200

Incident Energy (MeV)

80-Hg-203

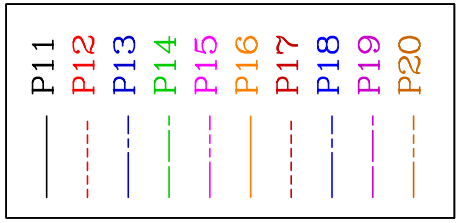
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0.02

0.00

-0.02

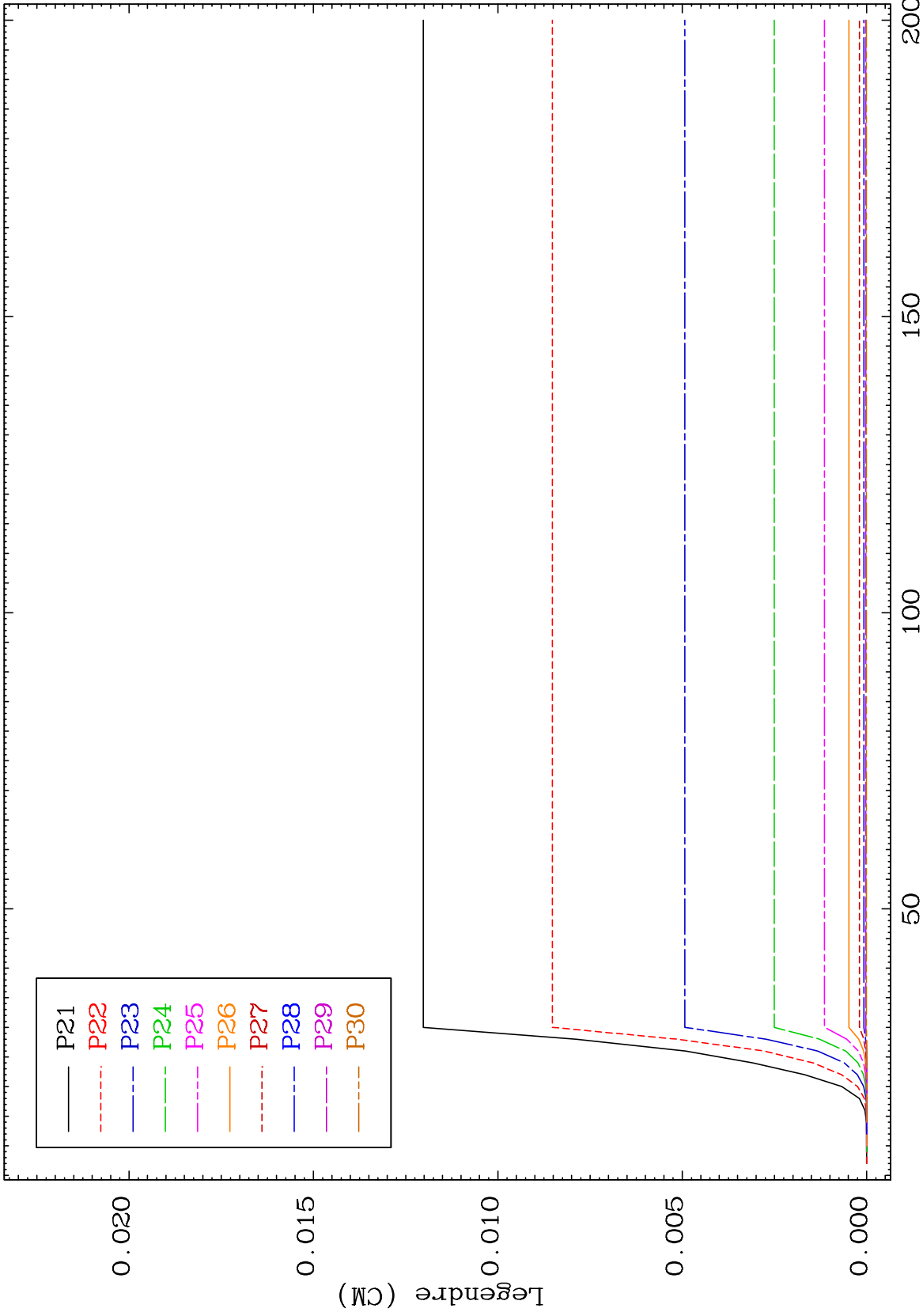
Legendre (CM)



MAT 8046

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

80-Hg-203



21

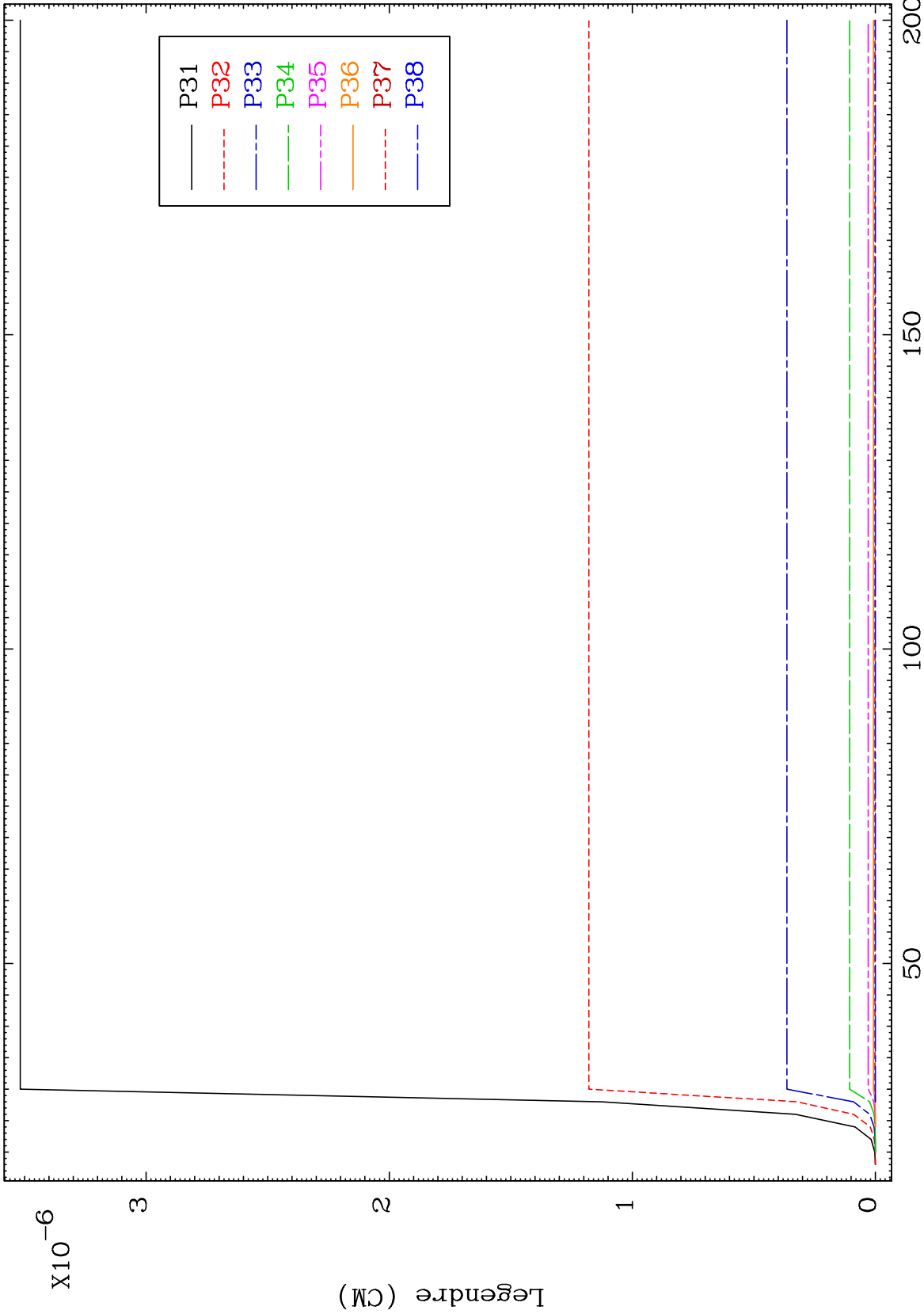
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



22

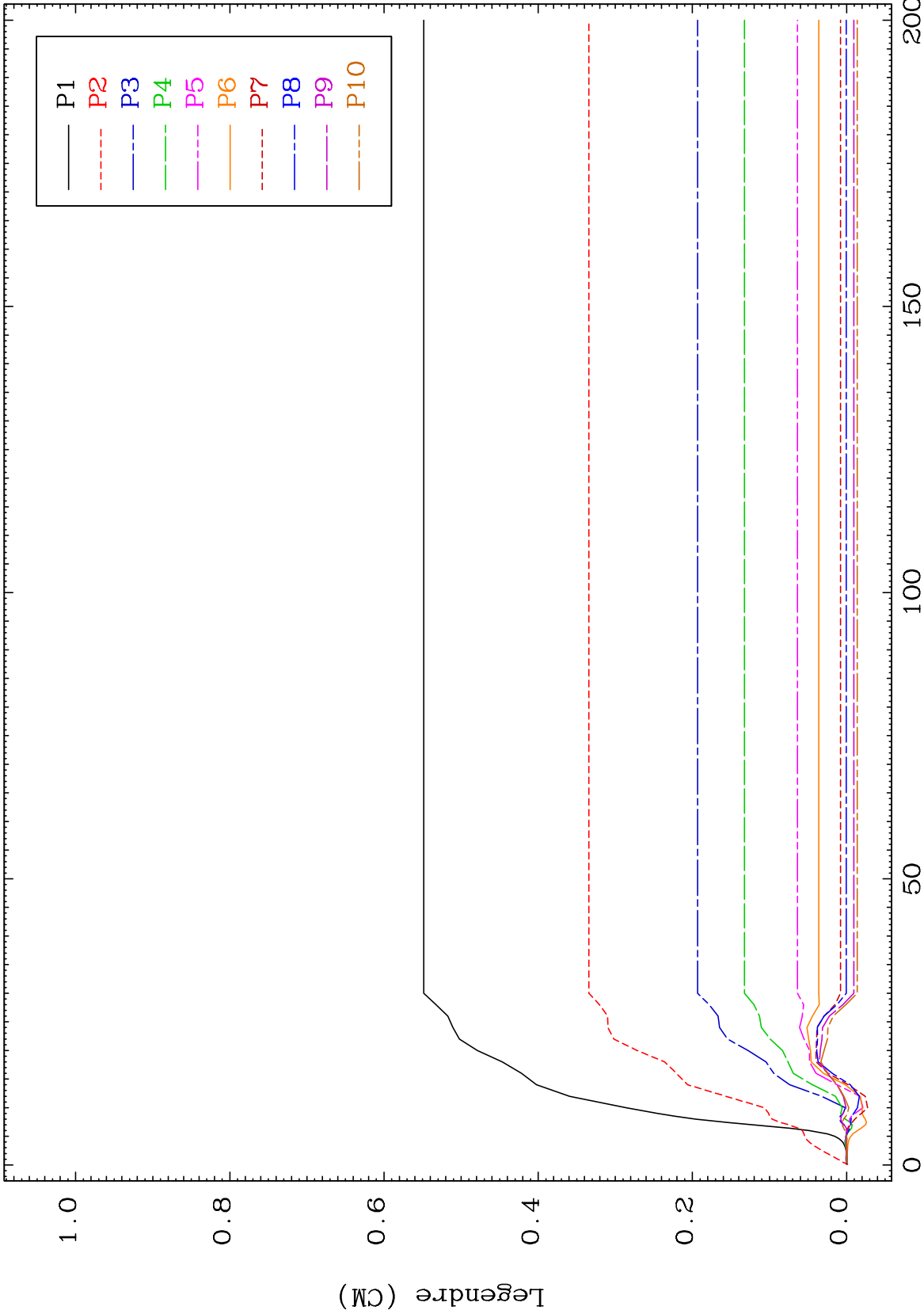
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



23

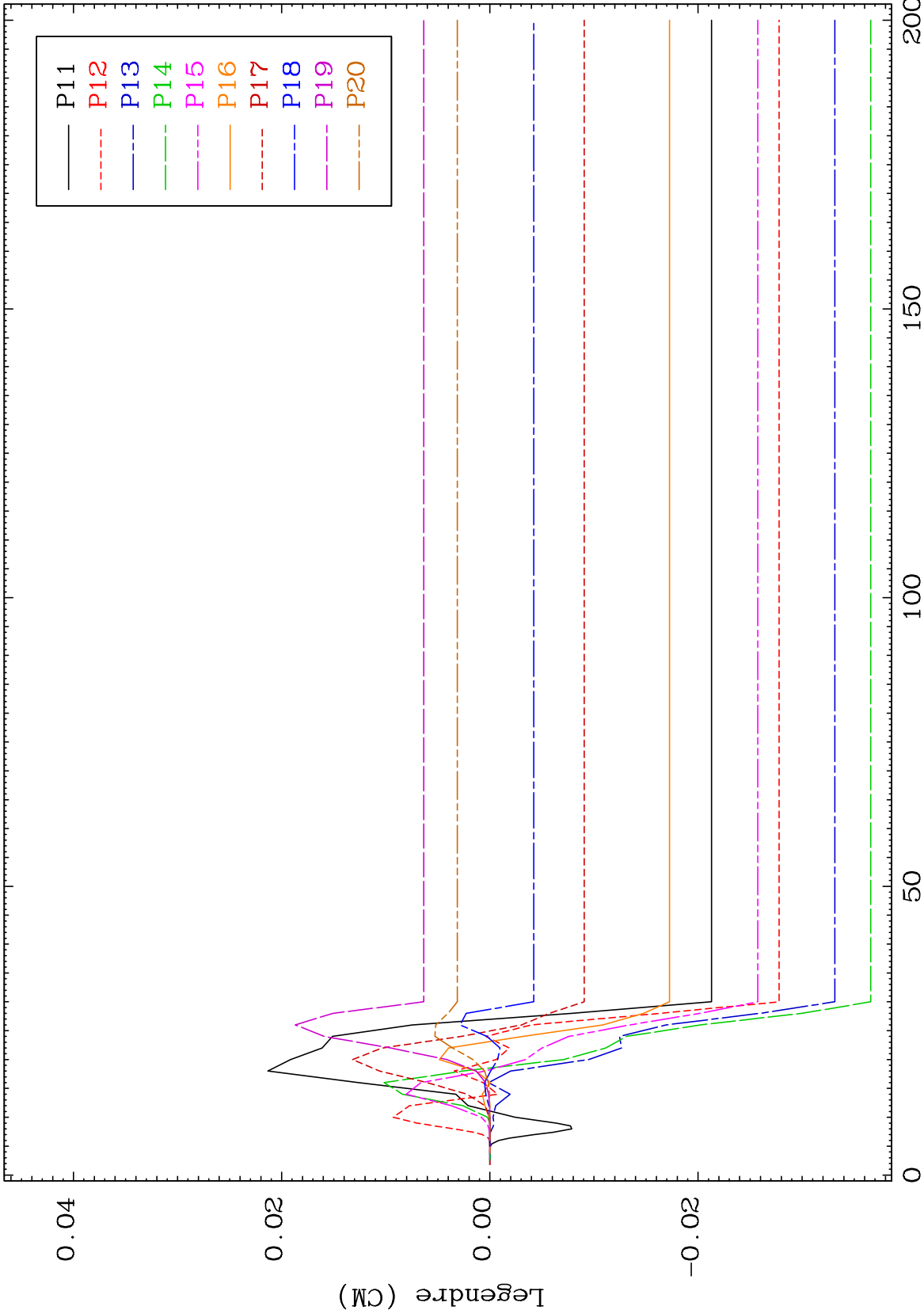
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



24

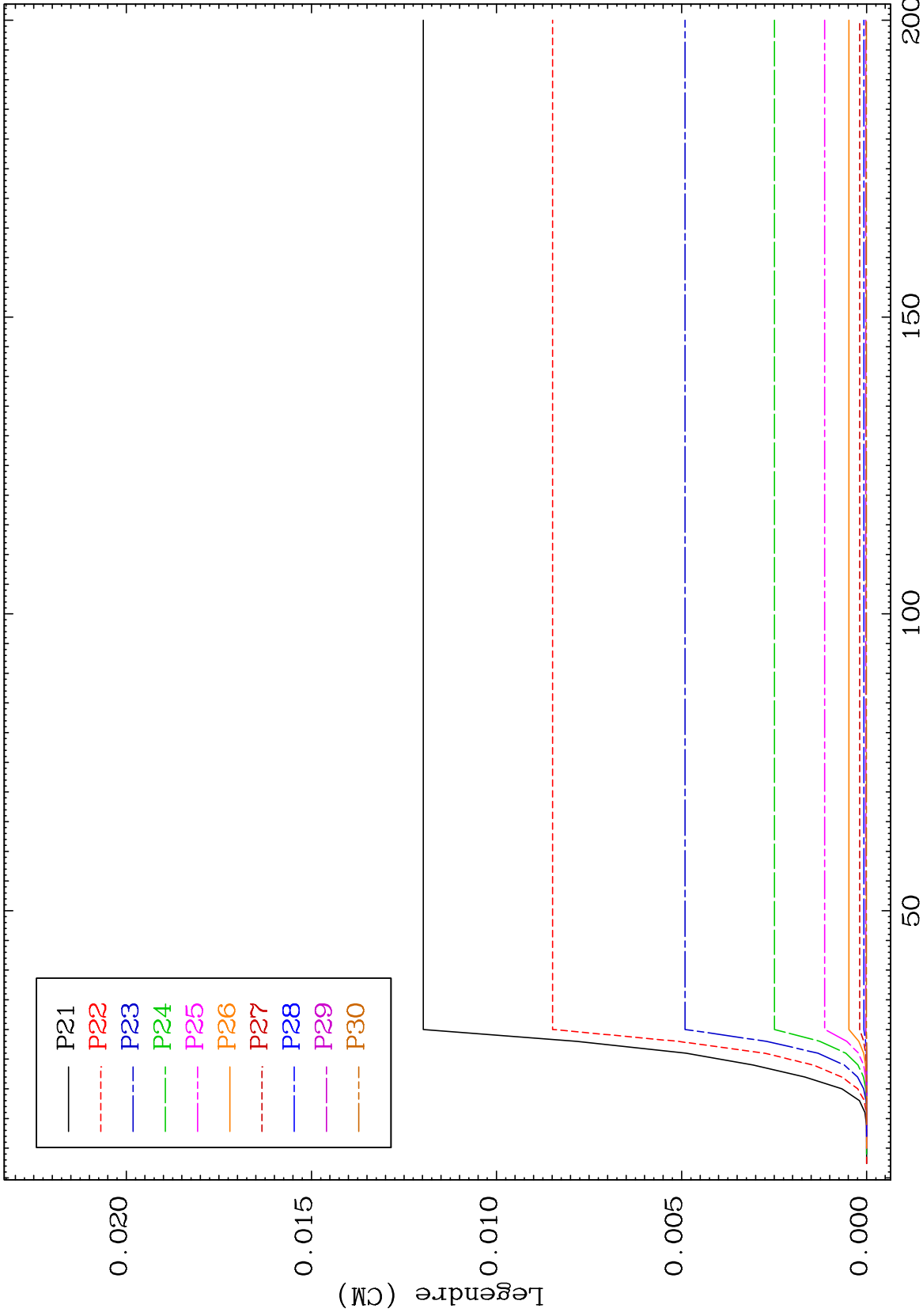
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



25

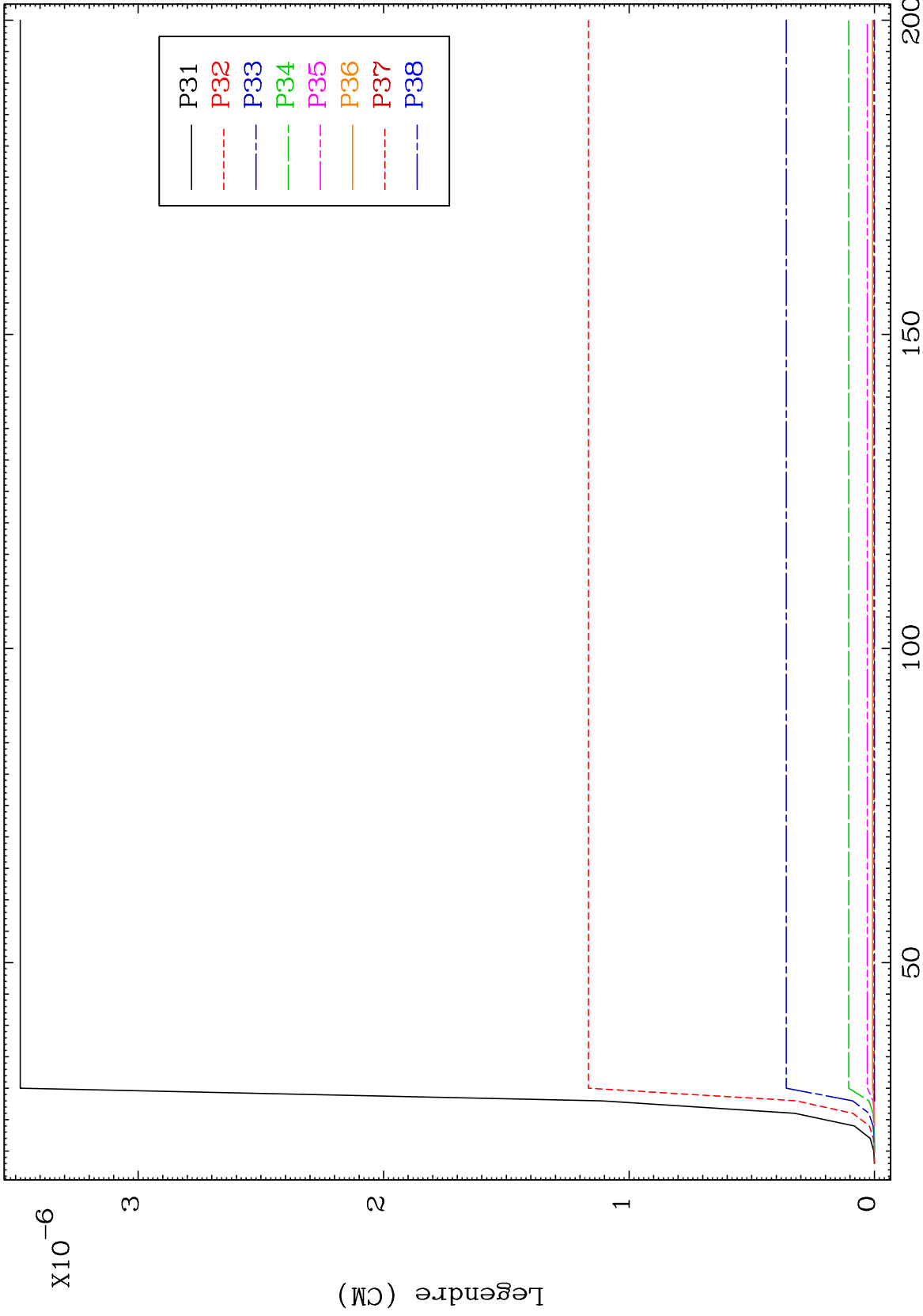
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

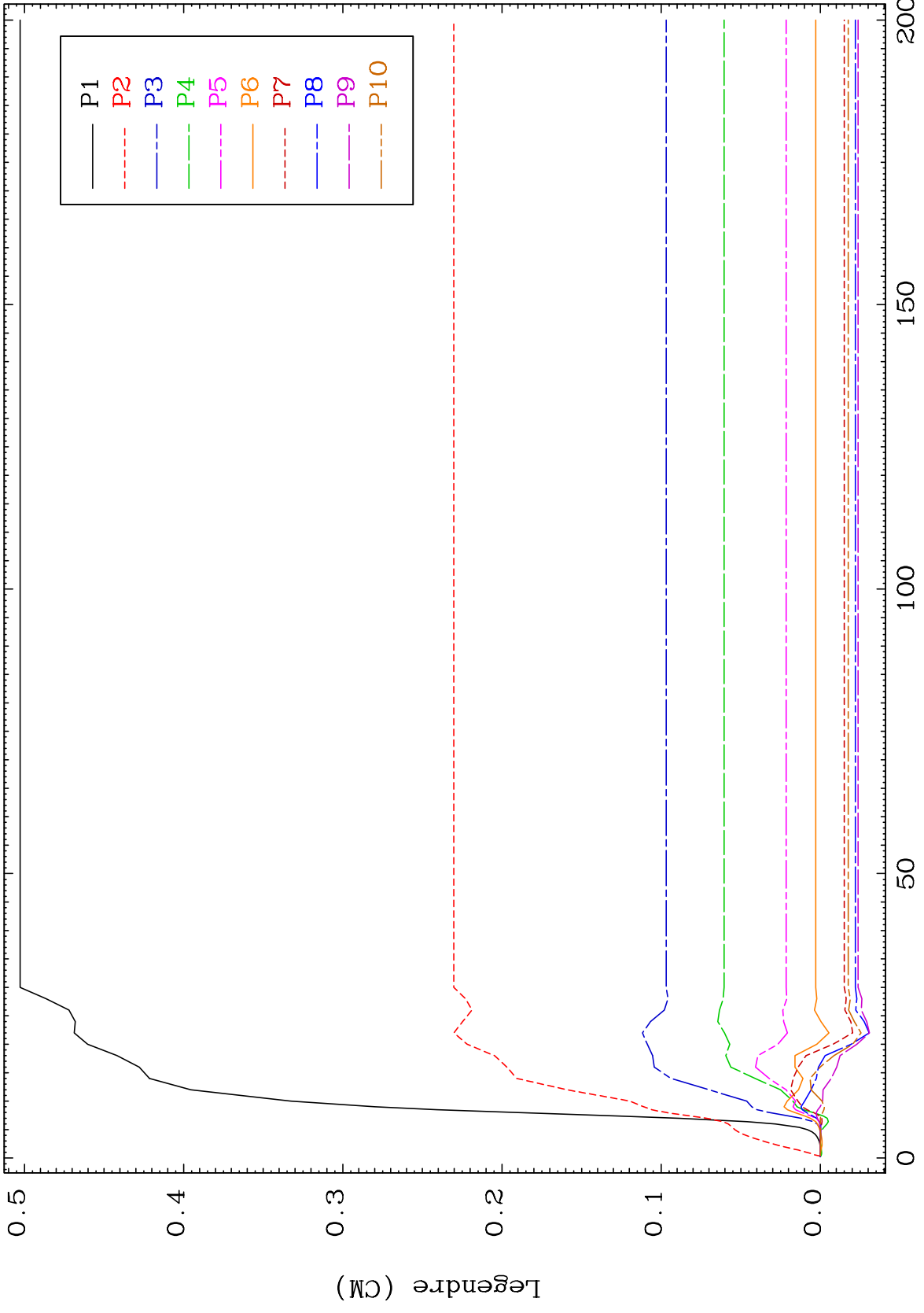
80-Hg-203



26

80-Hg-203

MAT 8046 MT= 53 (n,n') Level Legendre Coefficients 80-Hg-203

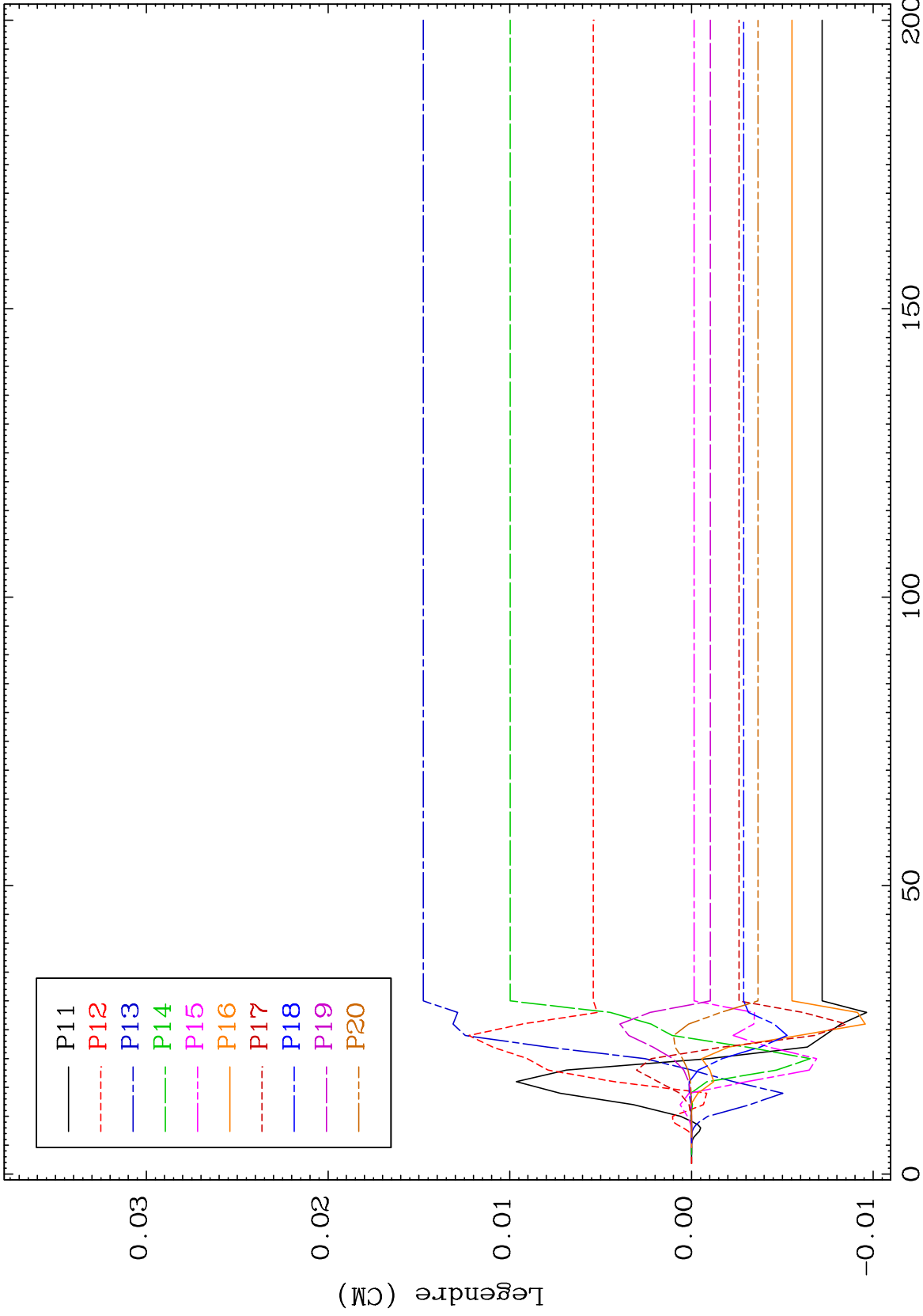


27 Incident Energy (MeV) 80-Hg-203

MAT 8046

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

80-Hg-203



28

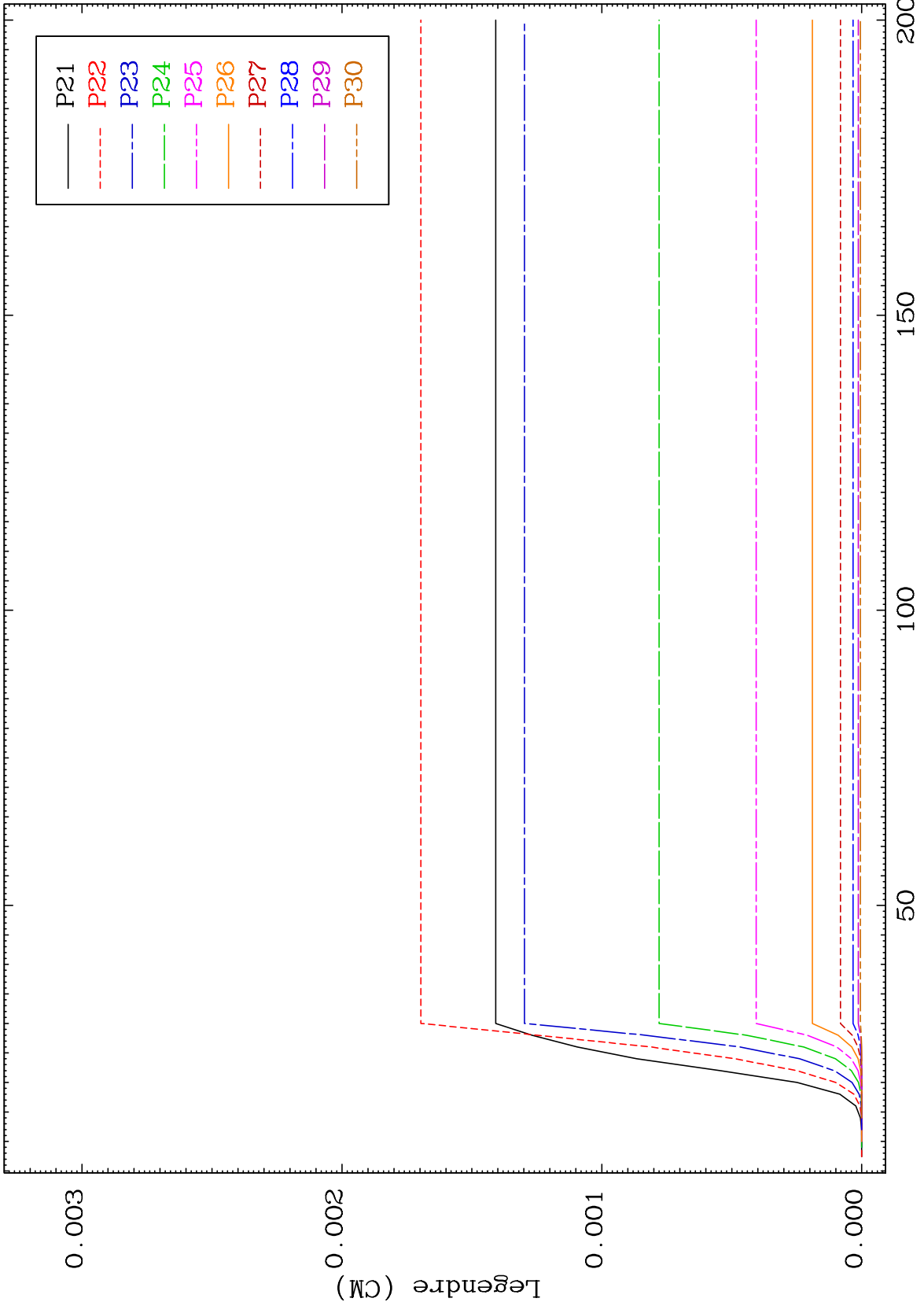
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



29

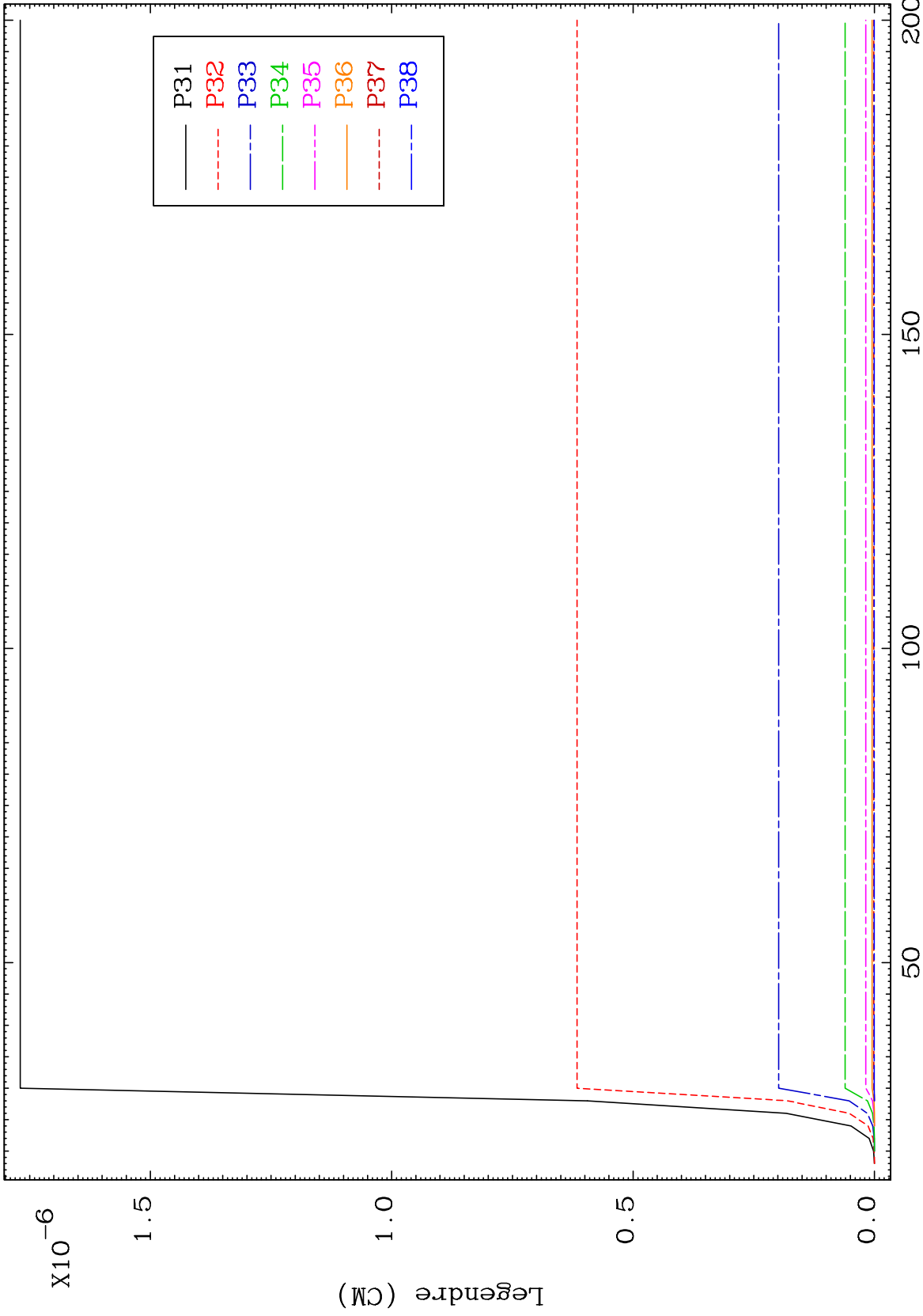
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



30

Incident Energy (MeV)

50

100

150

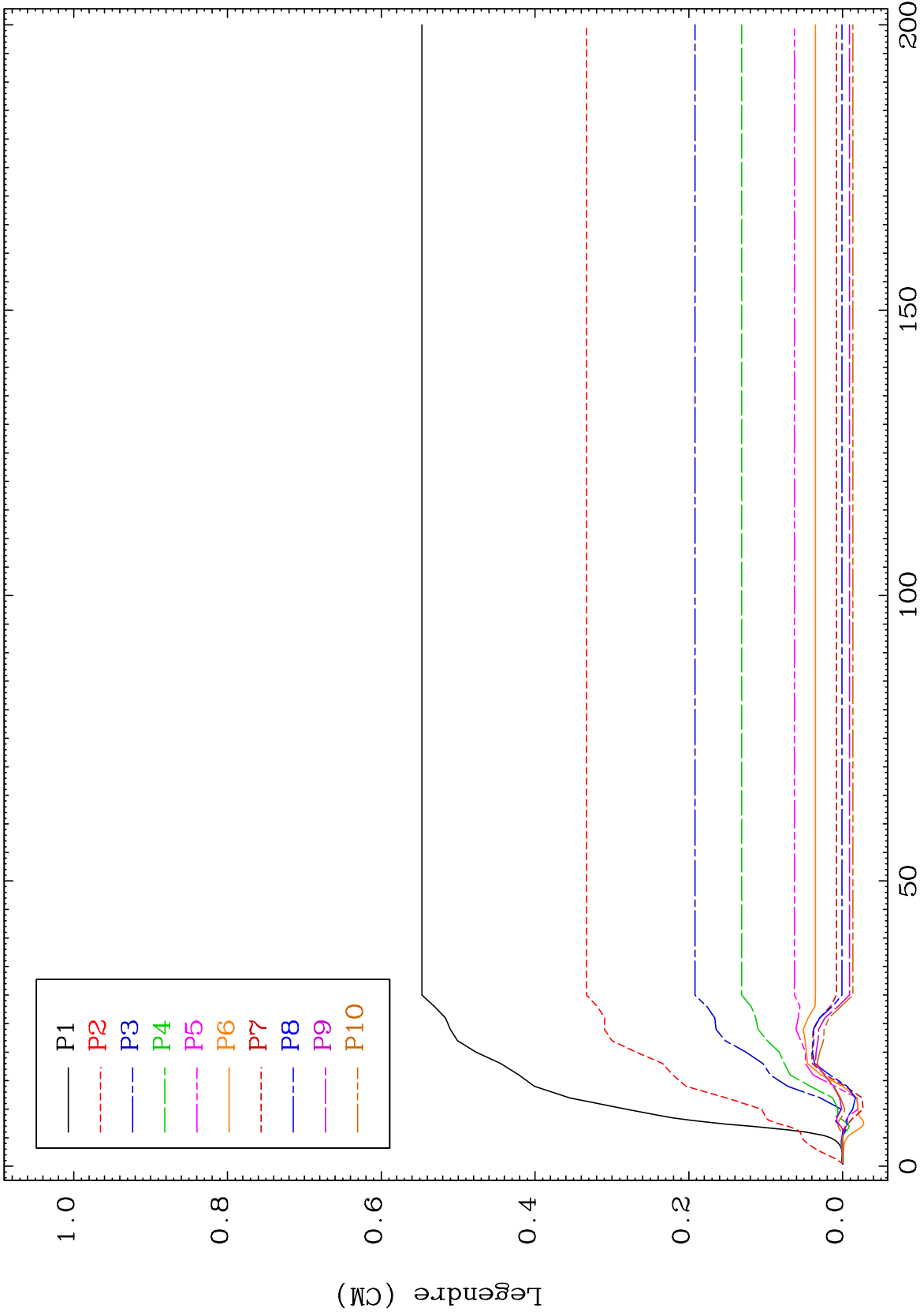
200

80-Hg-203

MAT 8046

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

80-Hg-203



31

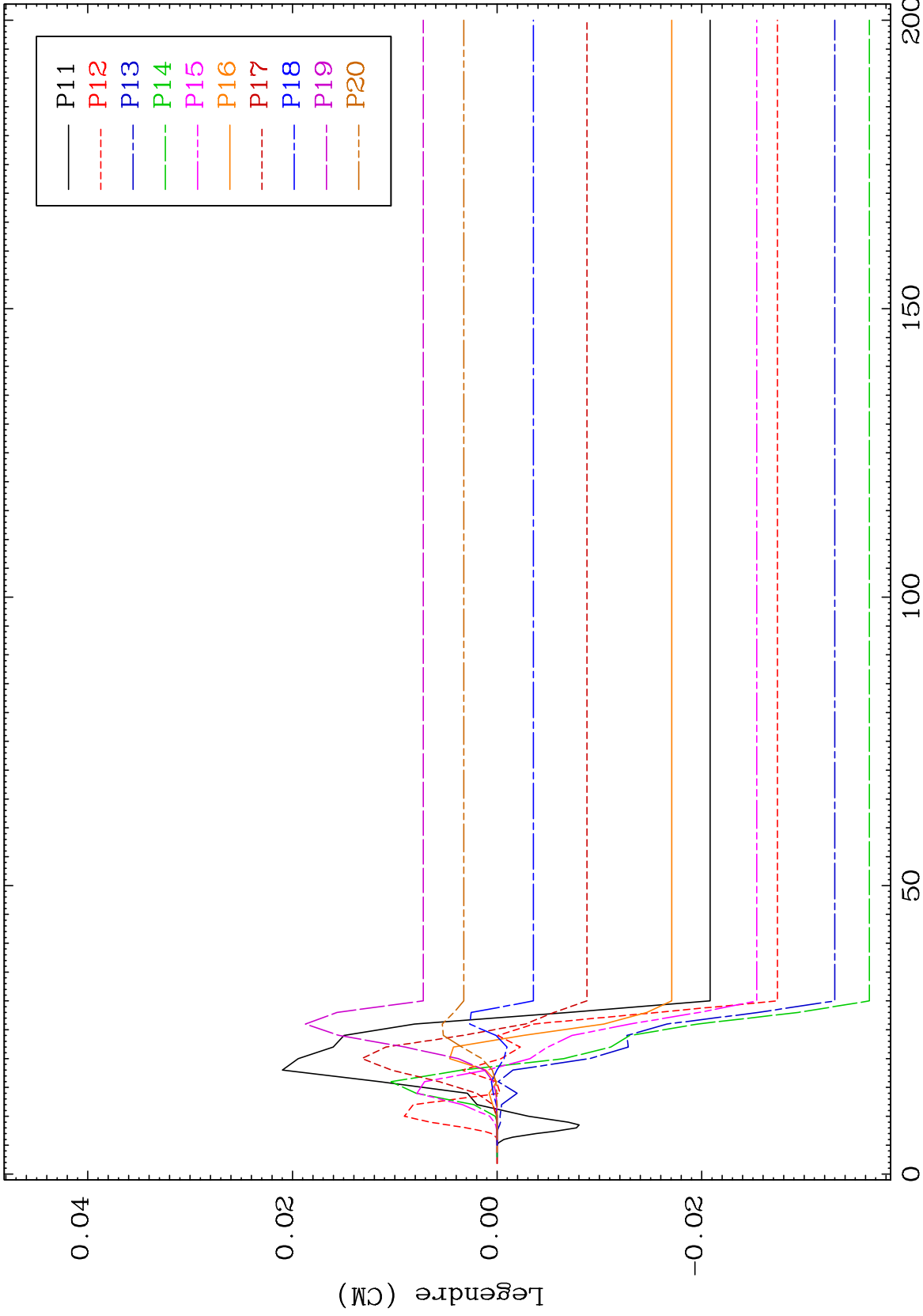
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



32

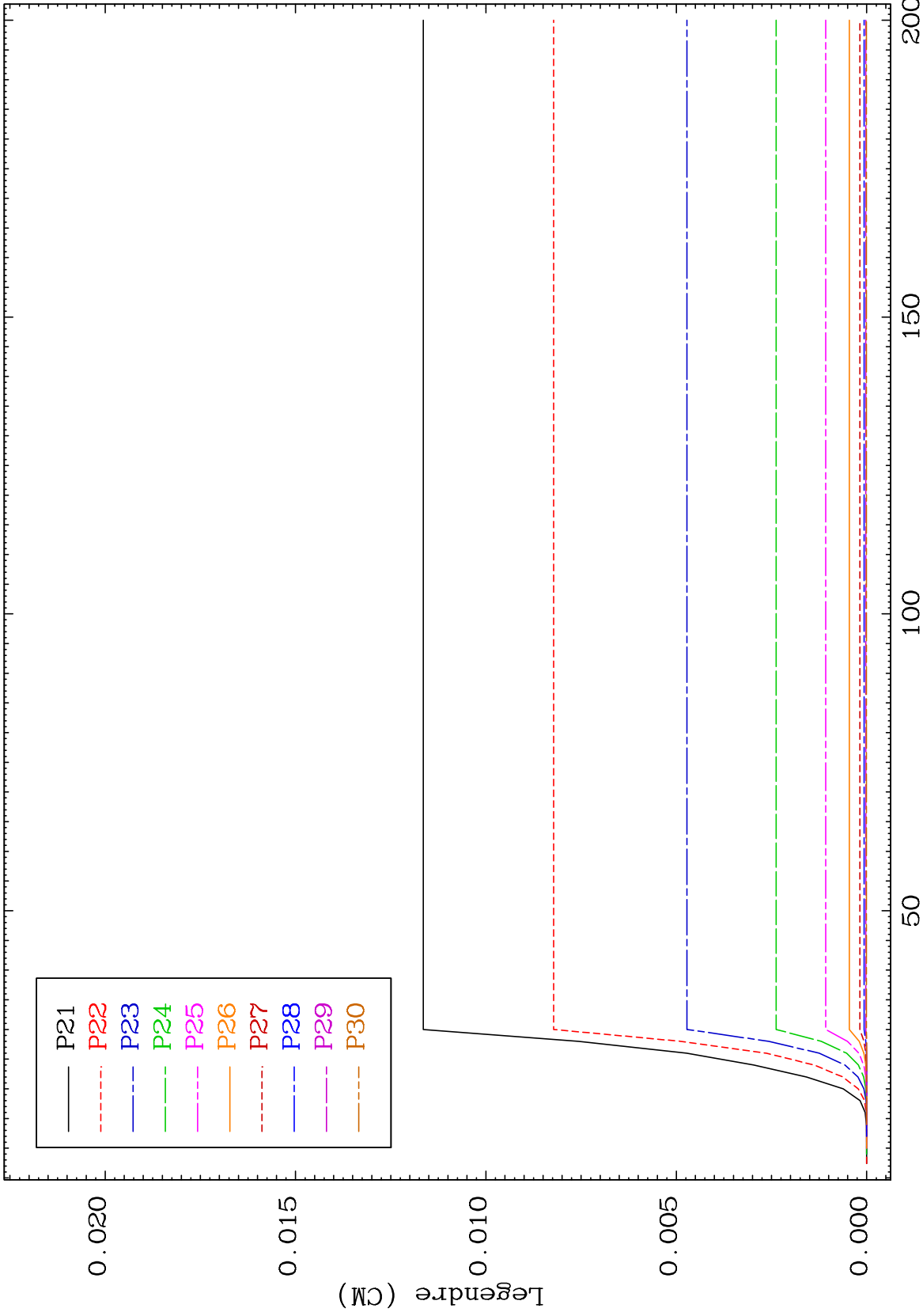
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

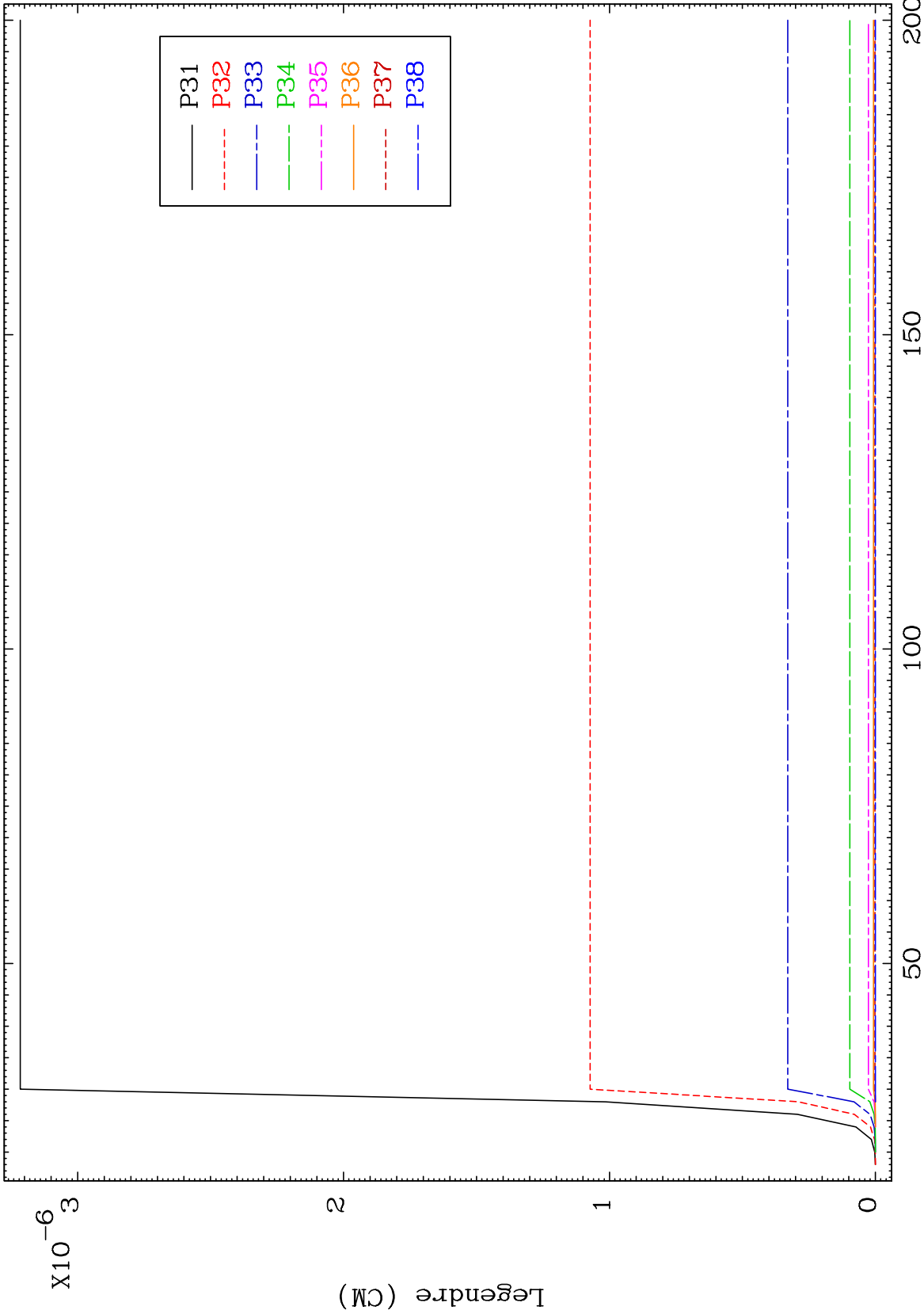
80-Hg-203



MAT 8046

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

80-Hg-203



34

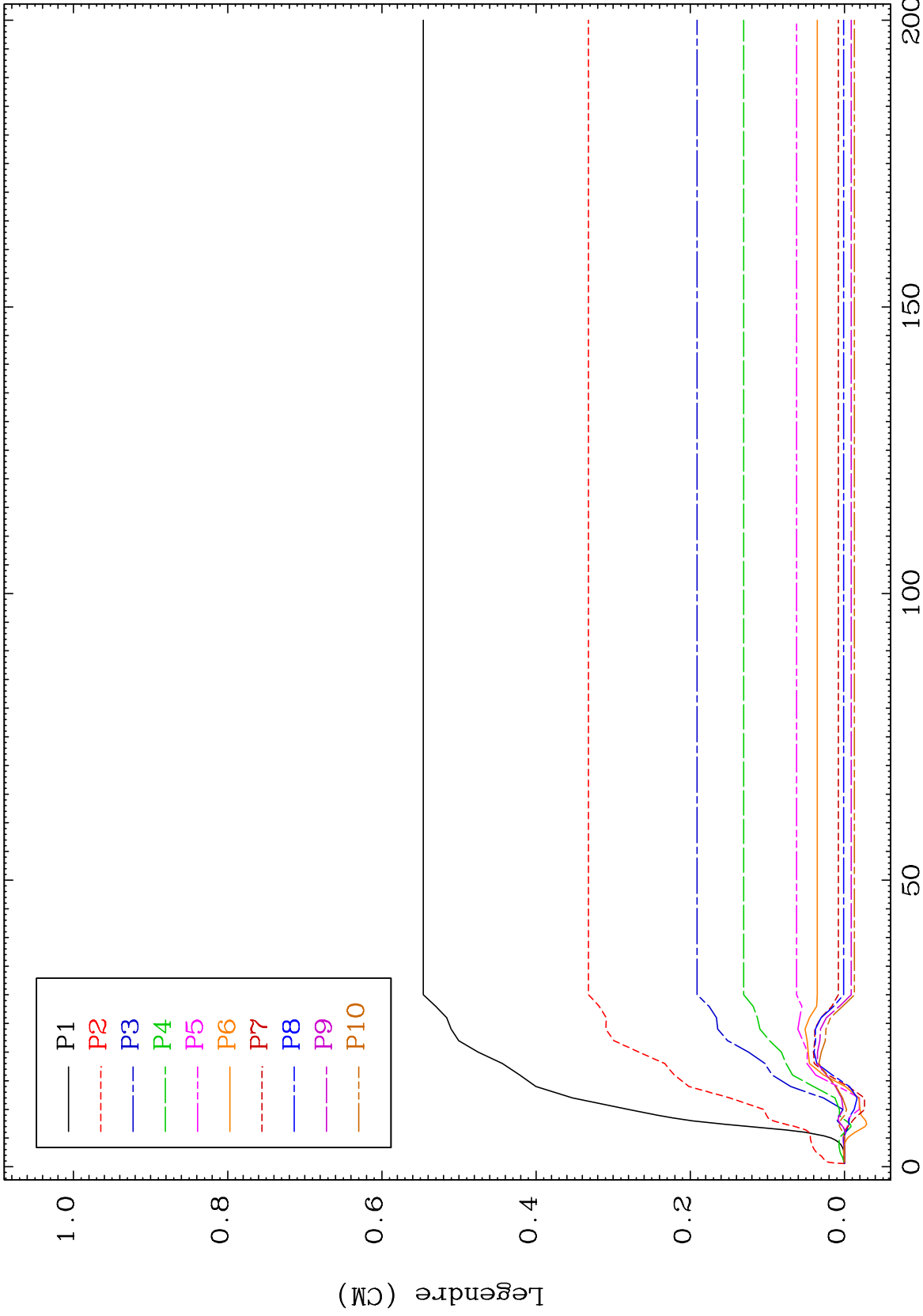
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



35

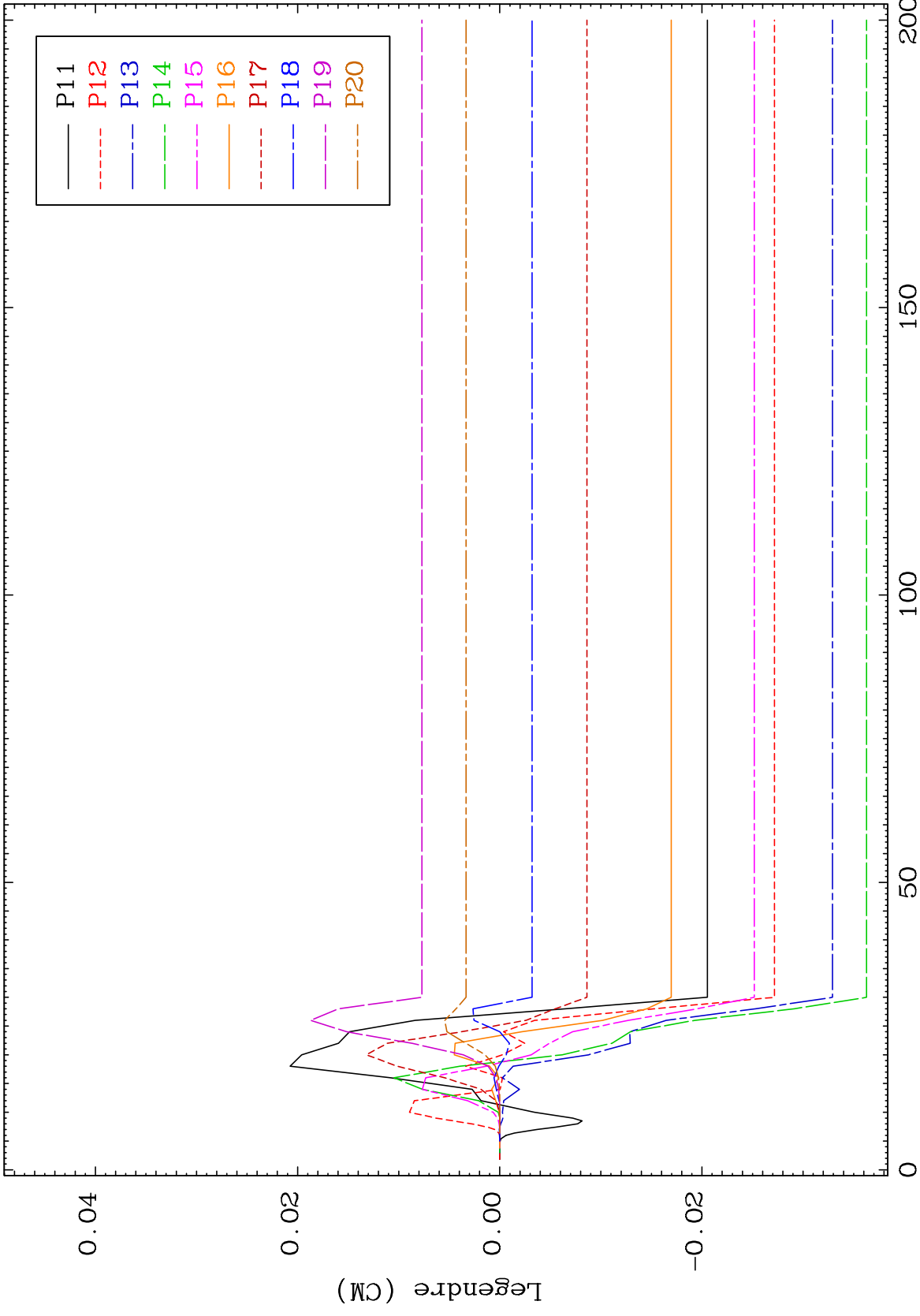
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



36

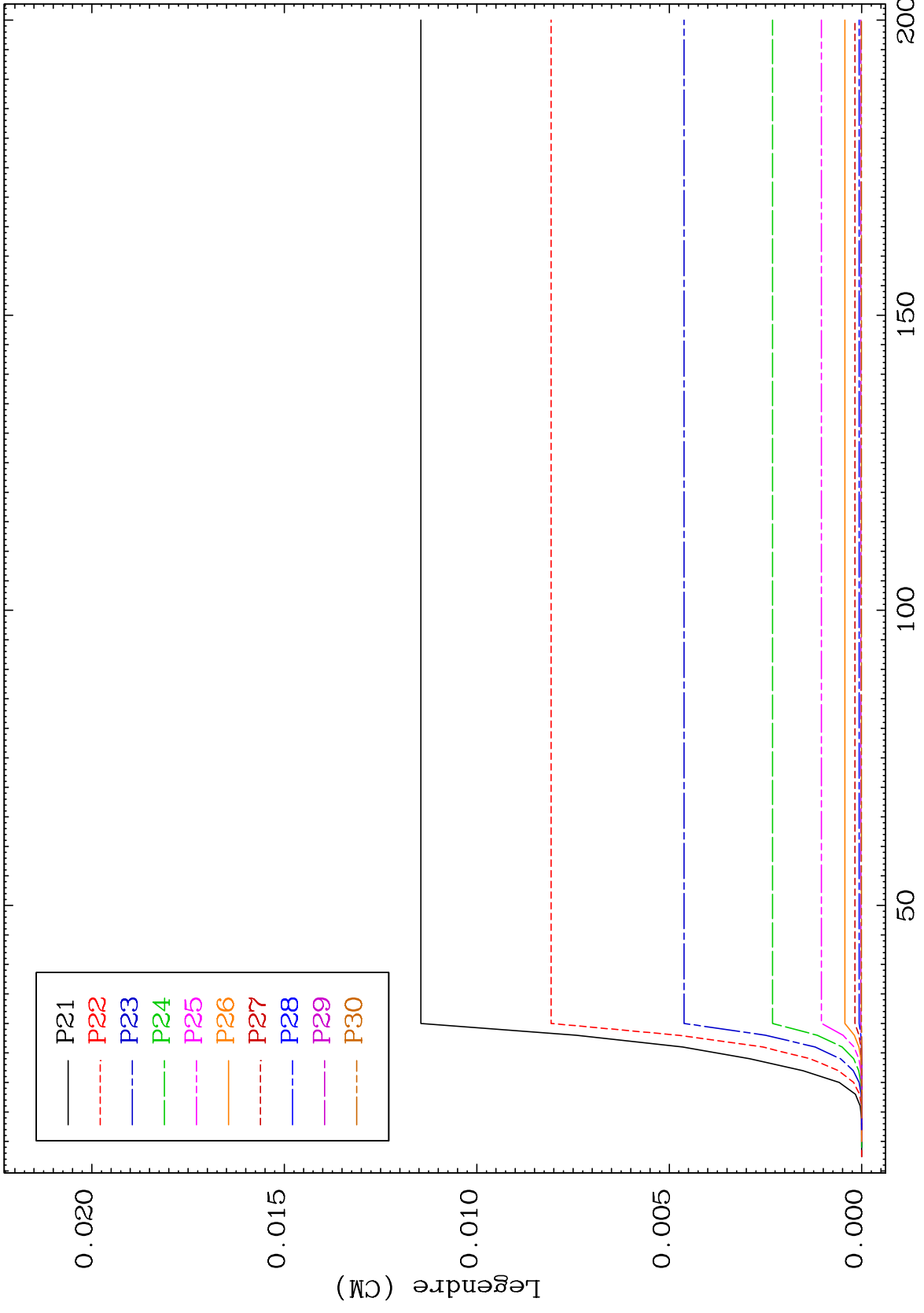
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



37

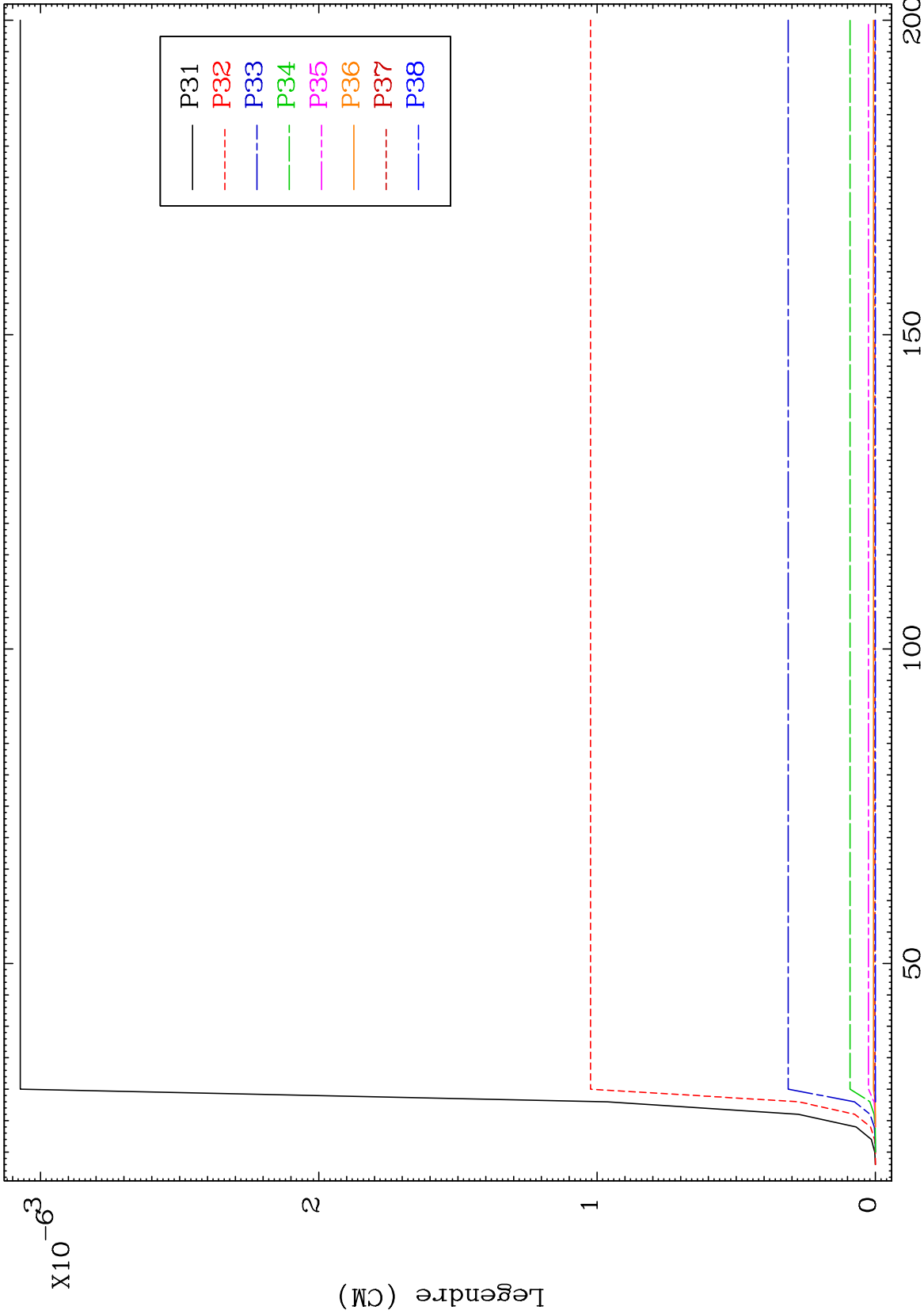
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



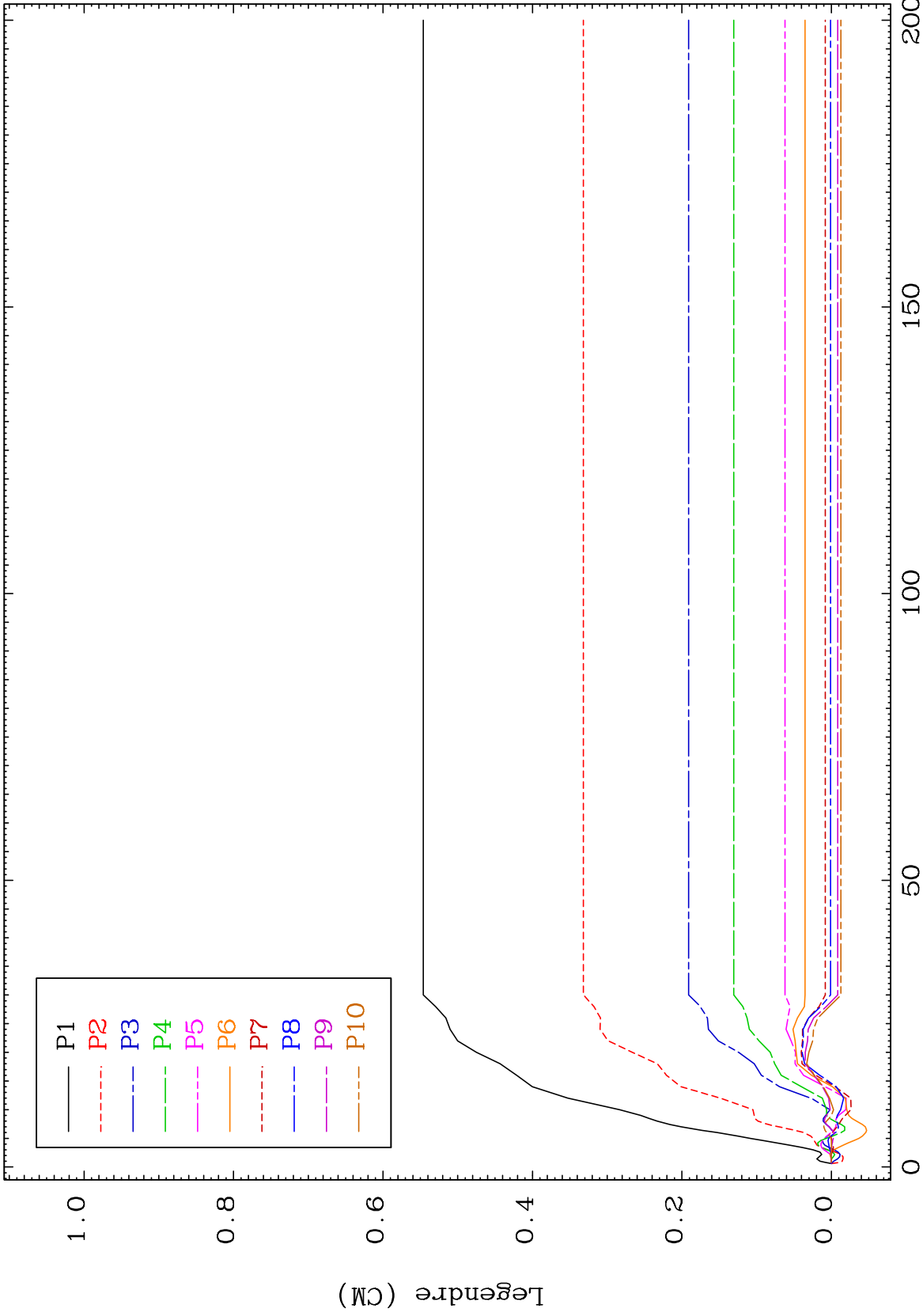
38

80-Hg-203

MAT 8046

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

80-Hg-203



39

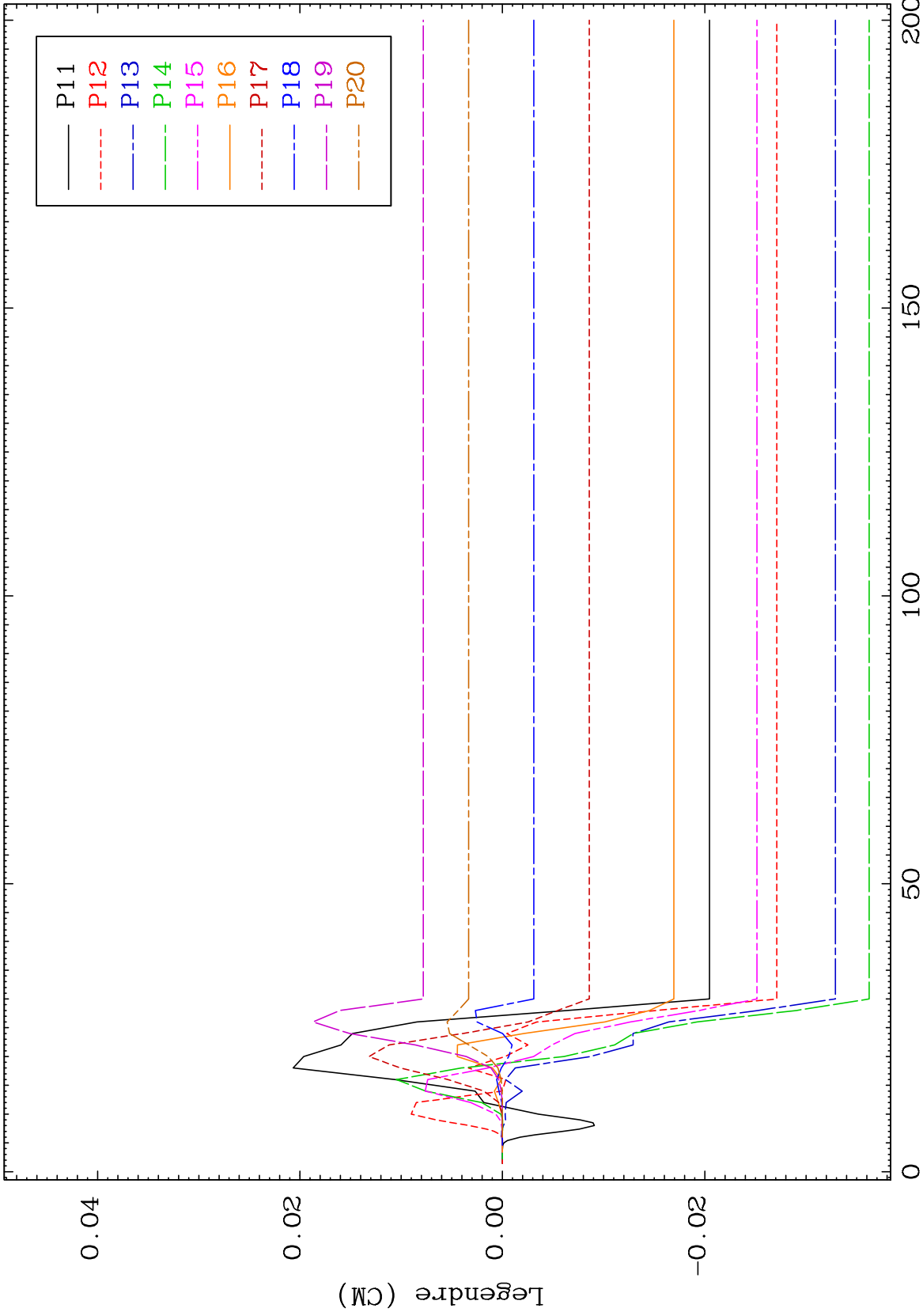
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



40

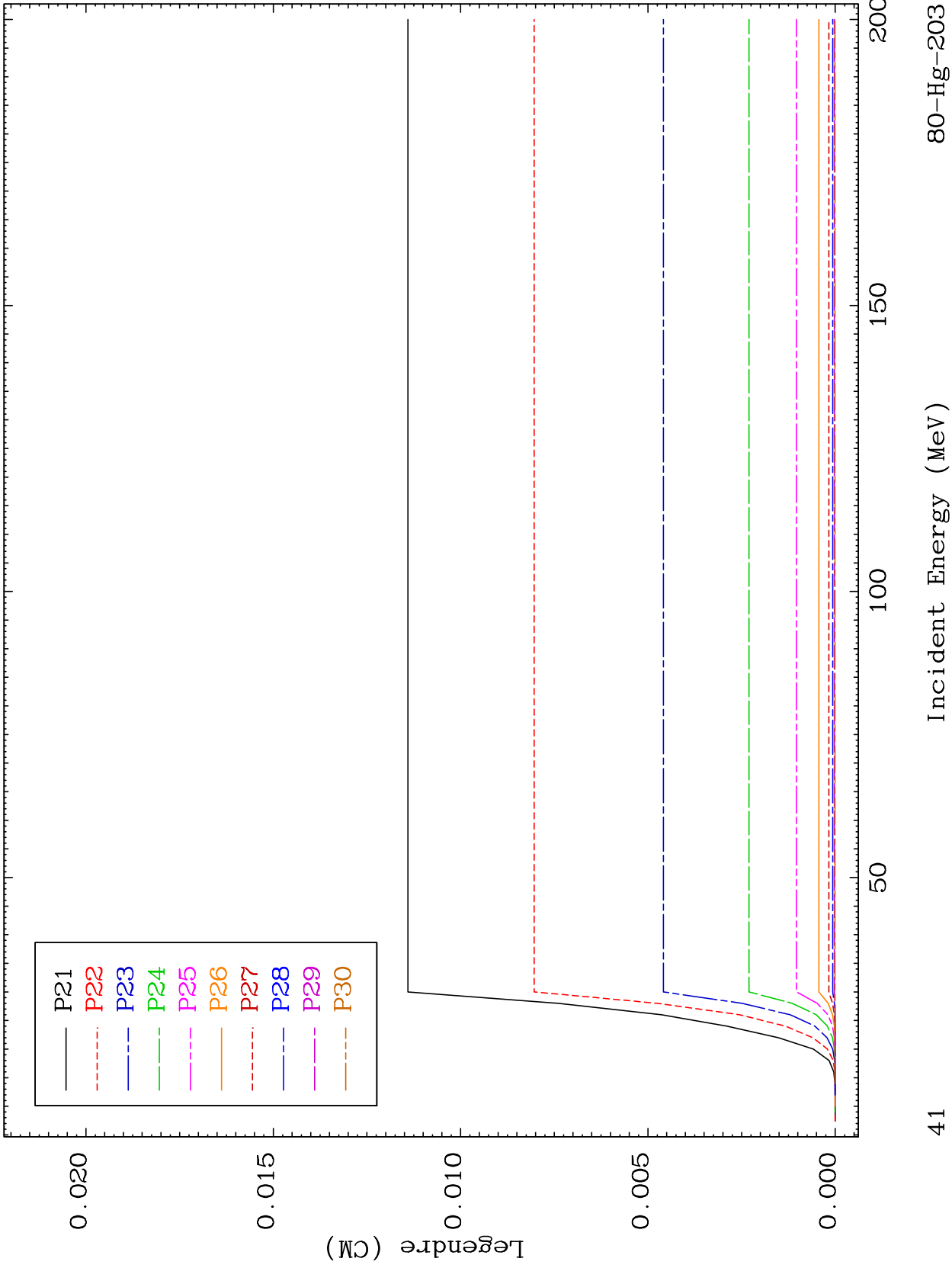
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

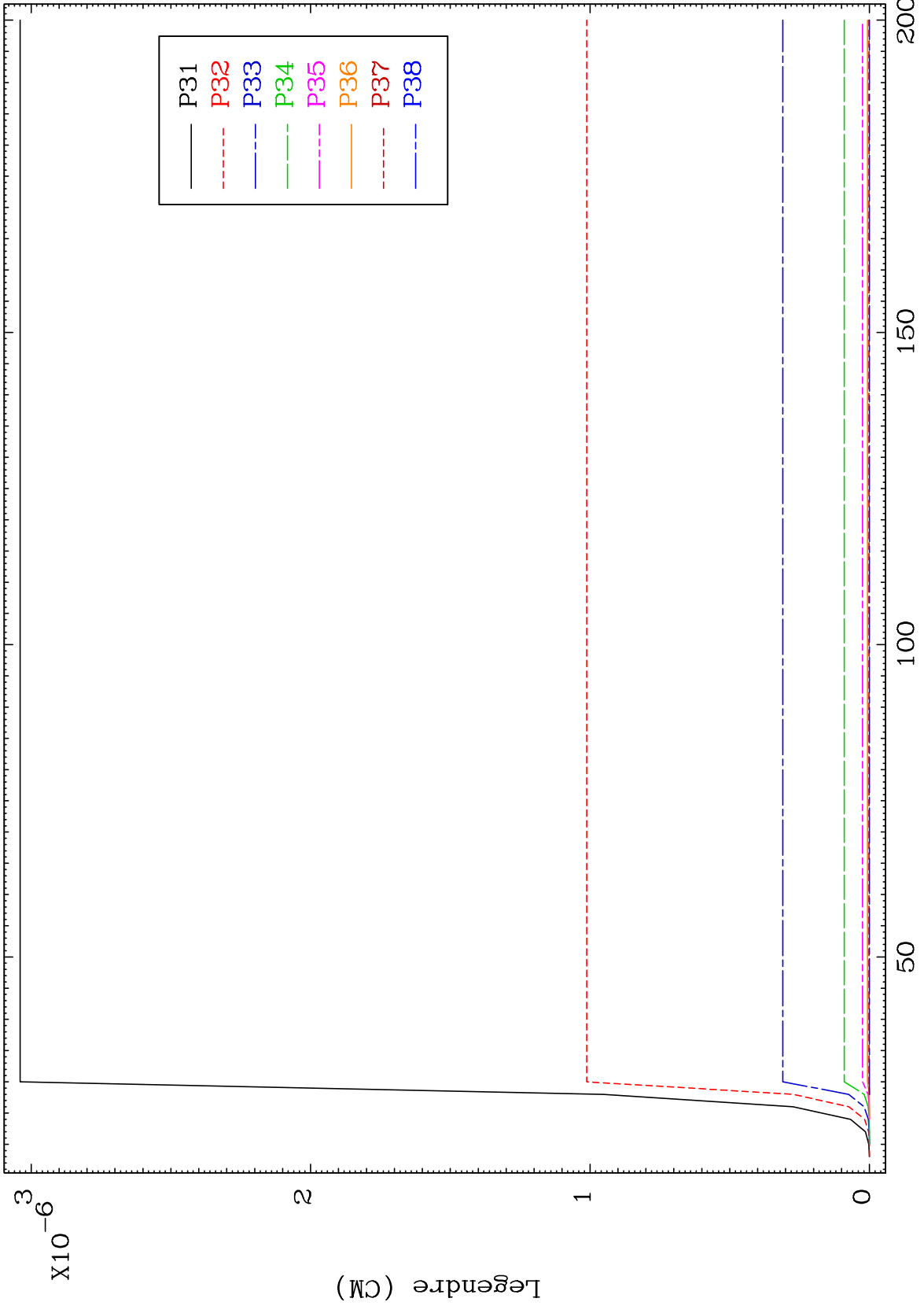
80-Hg-203



MAT 8046

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

80-Hg-203



42

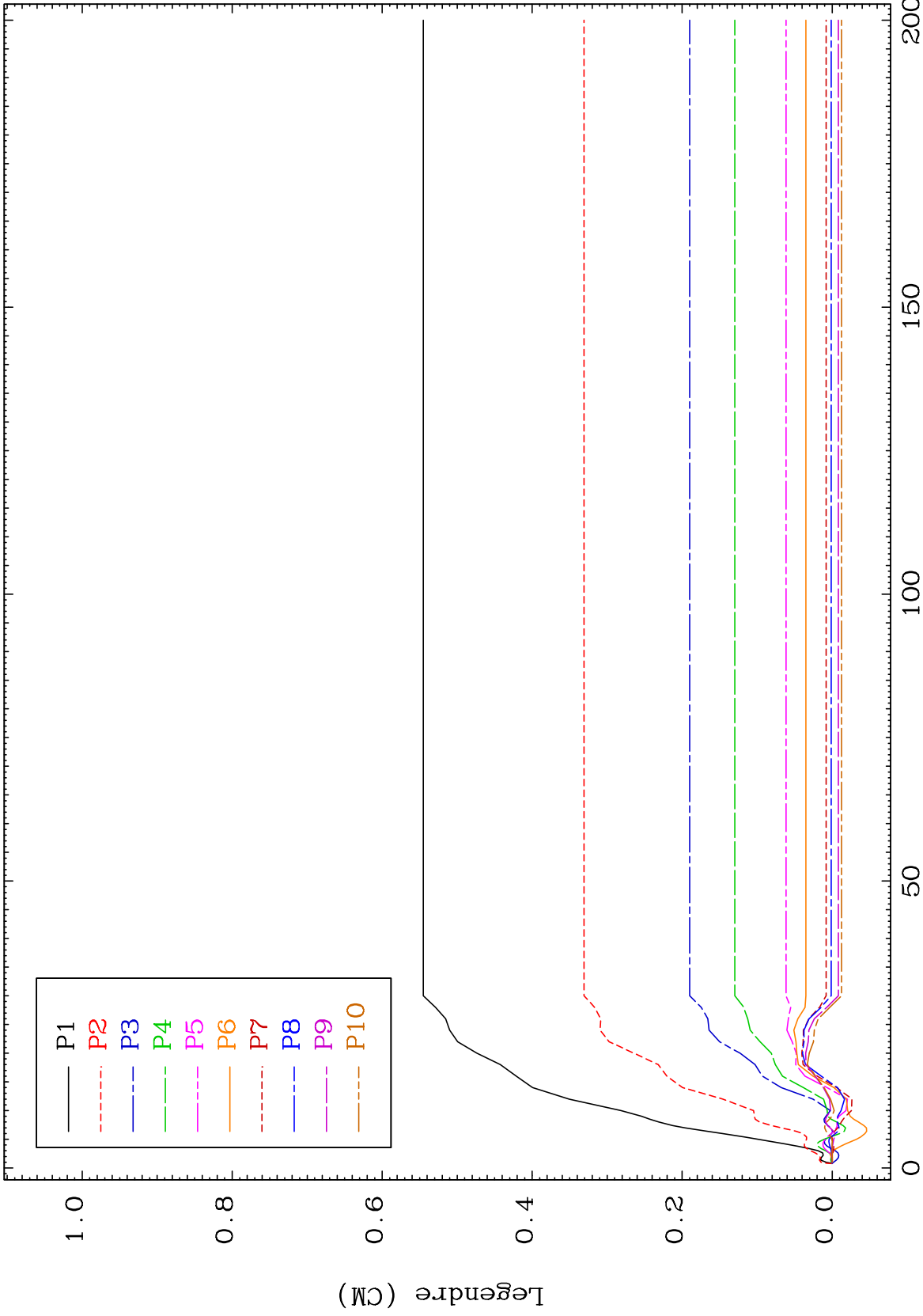
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



43

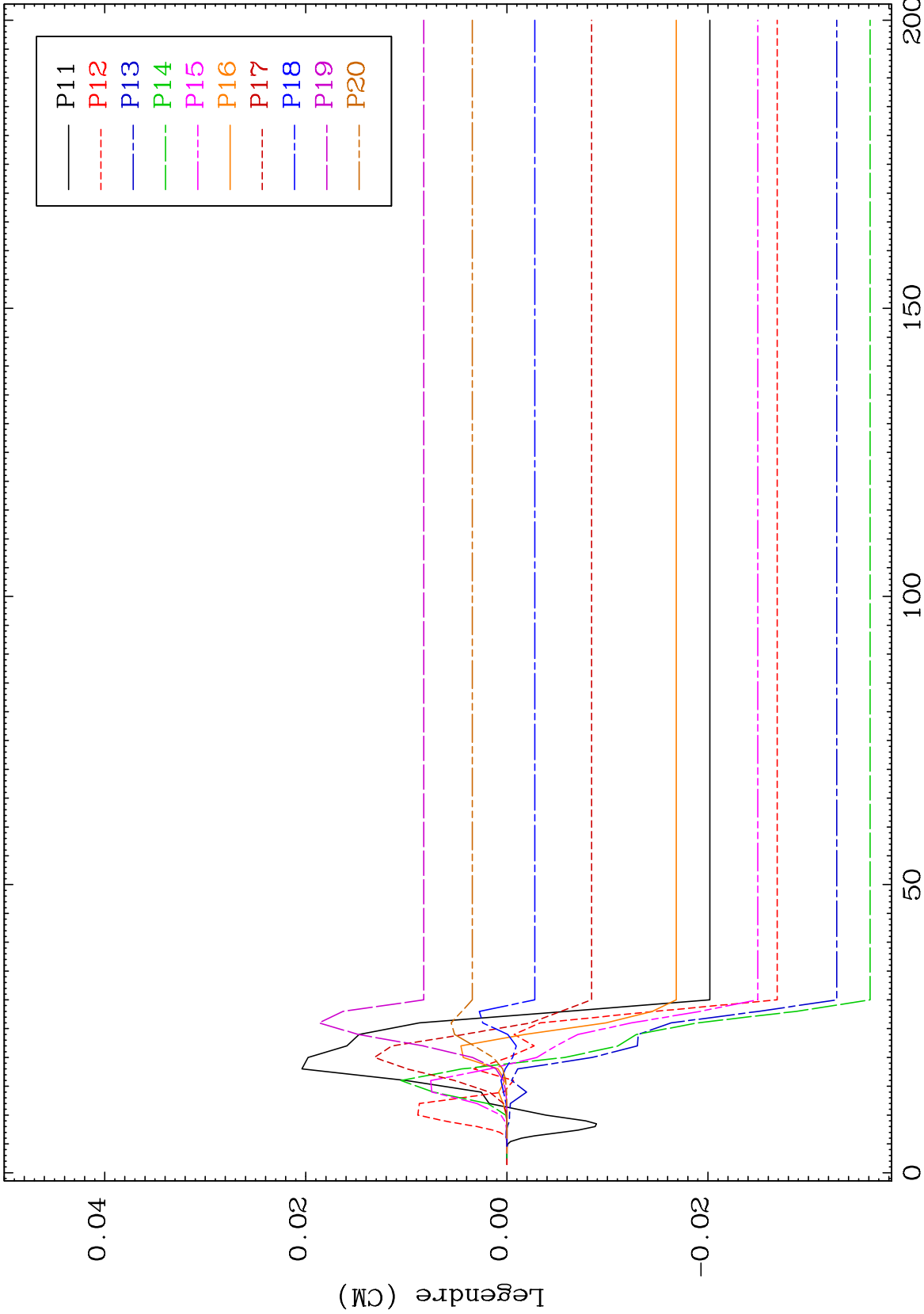
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



44

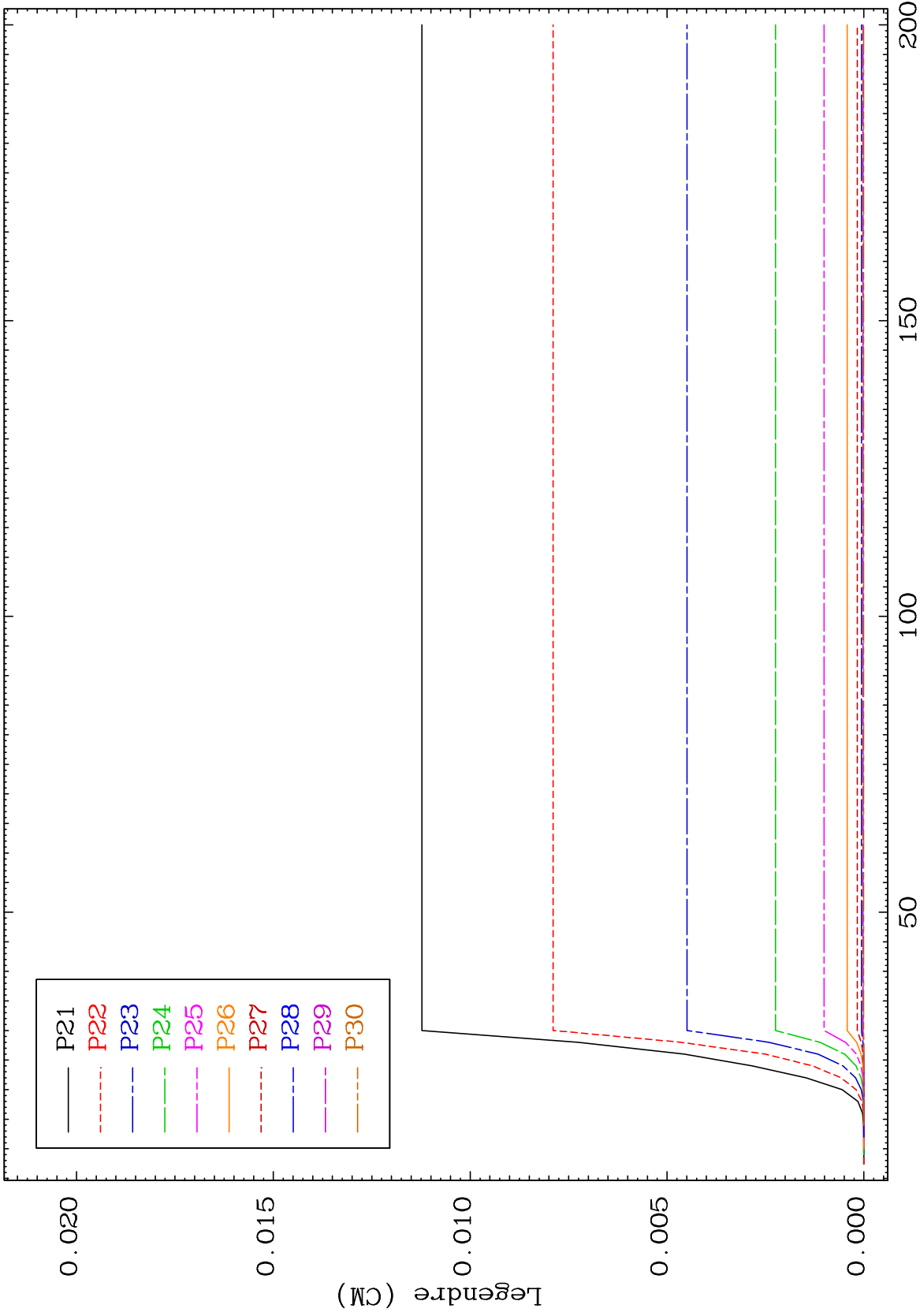
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



45

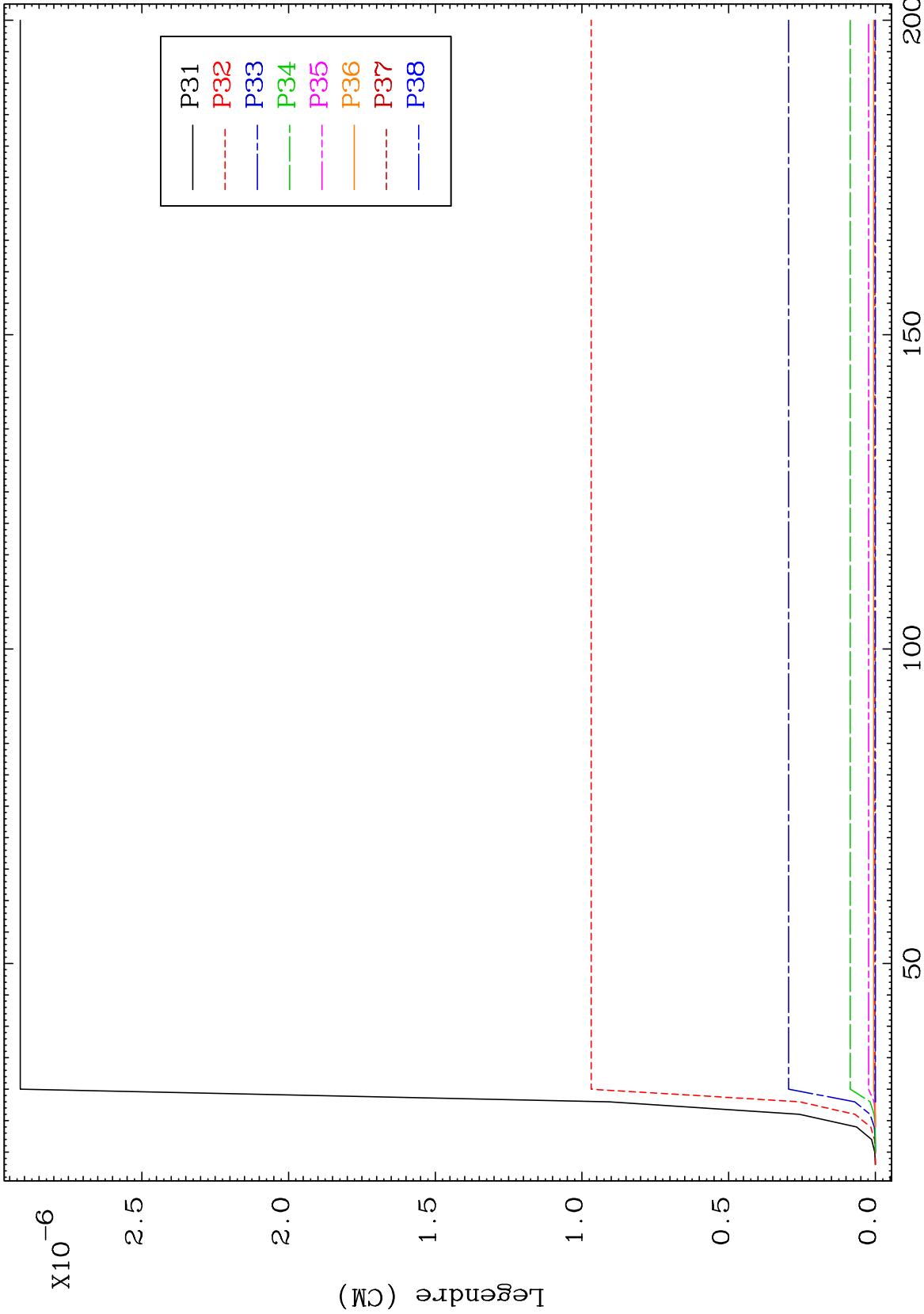
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



46

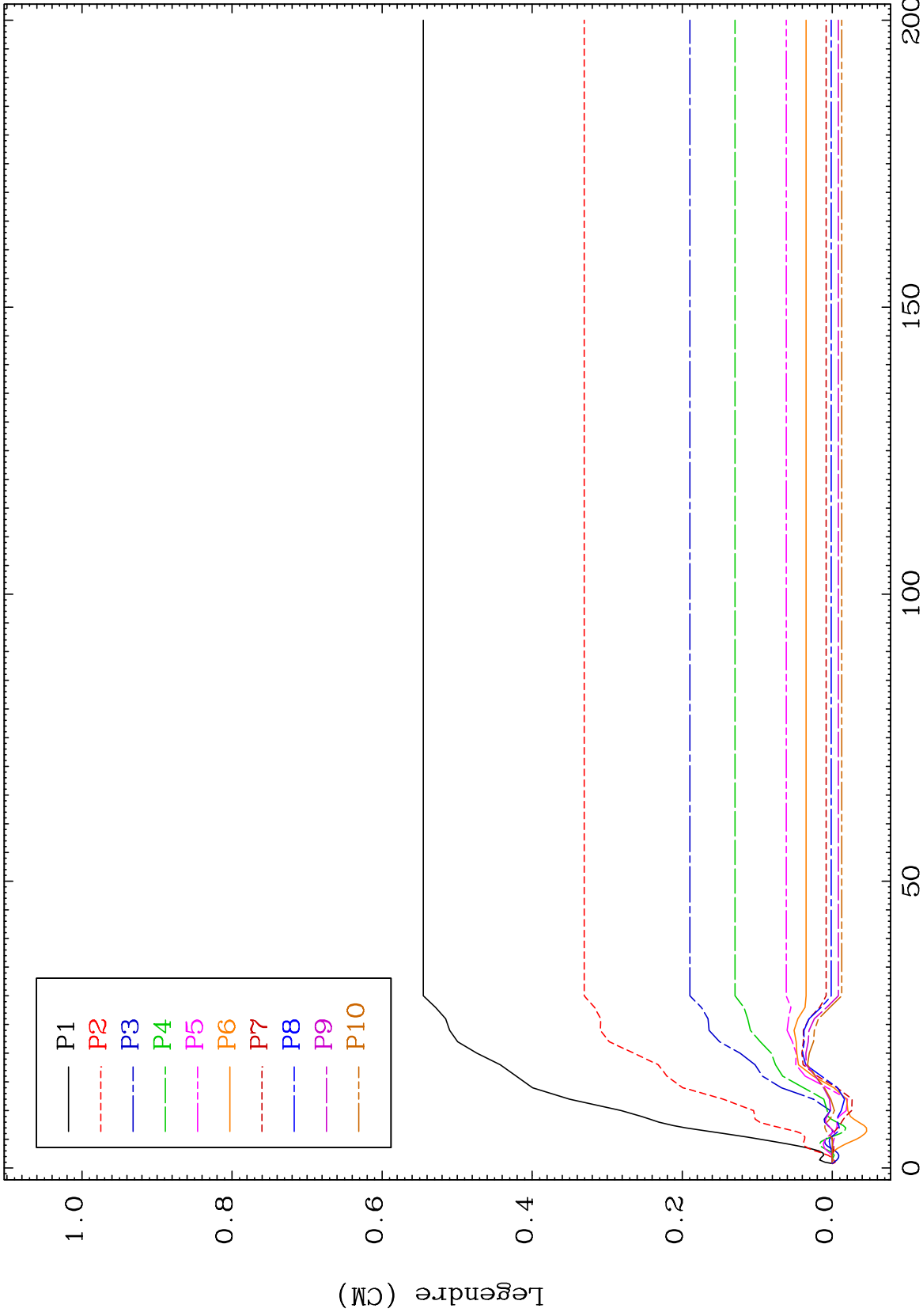
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



47

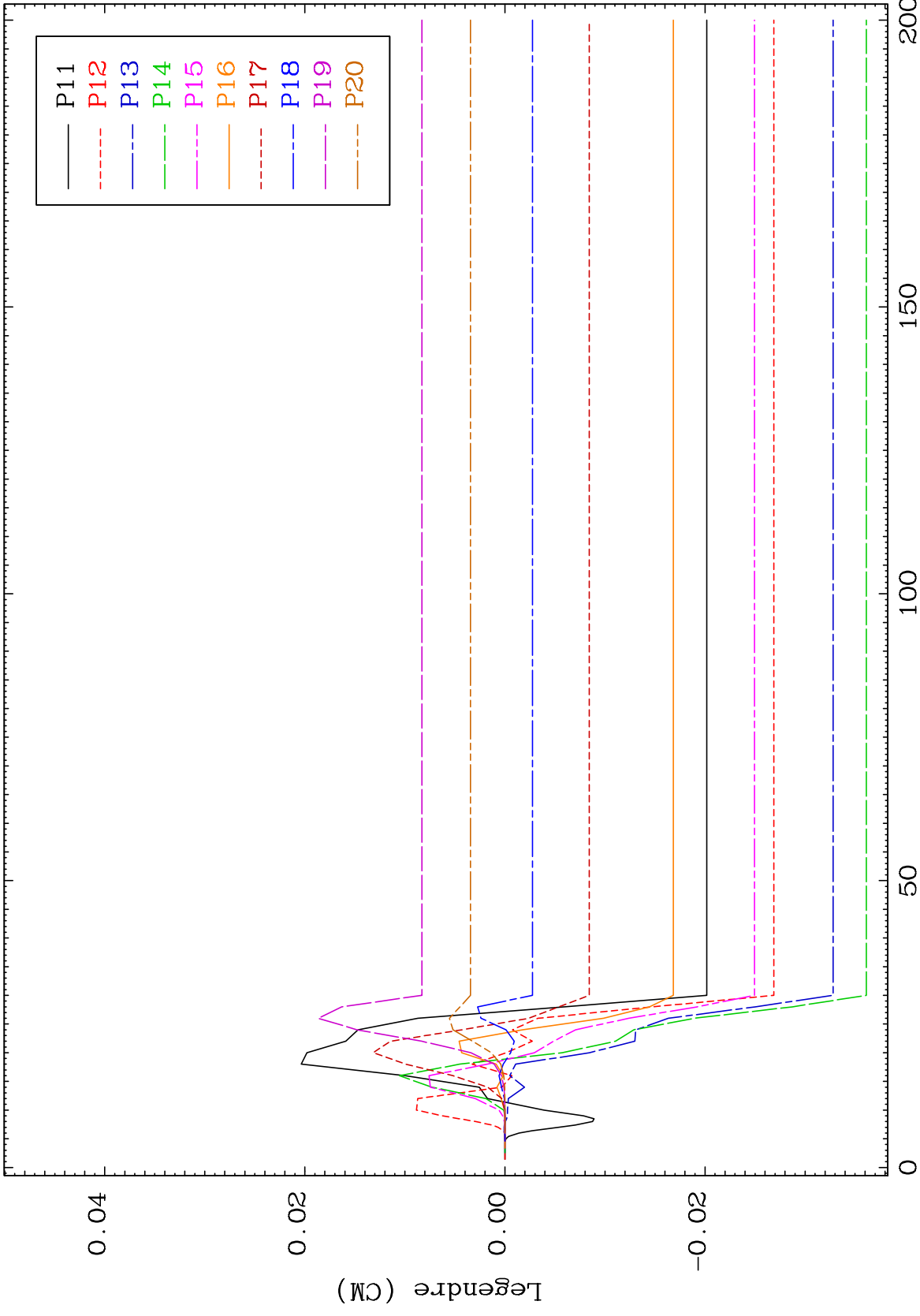
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



48

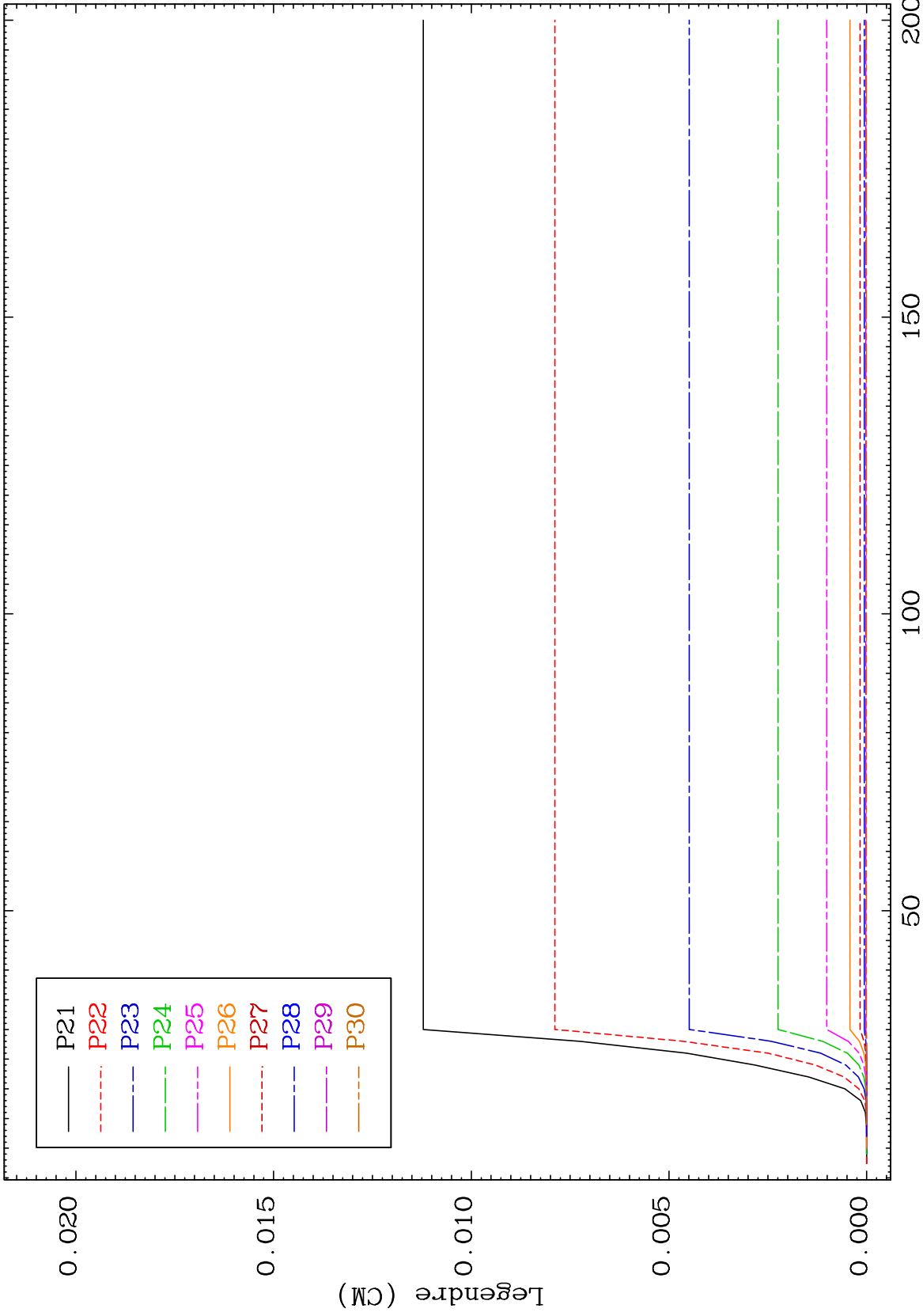
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

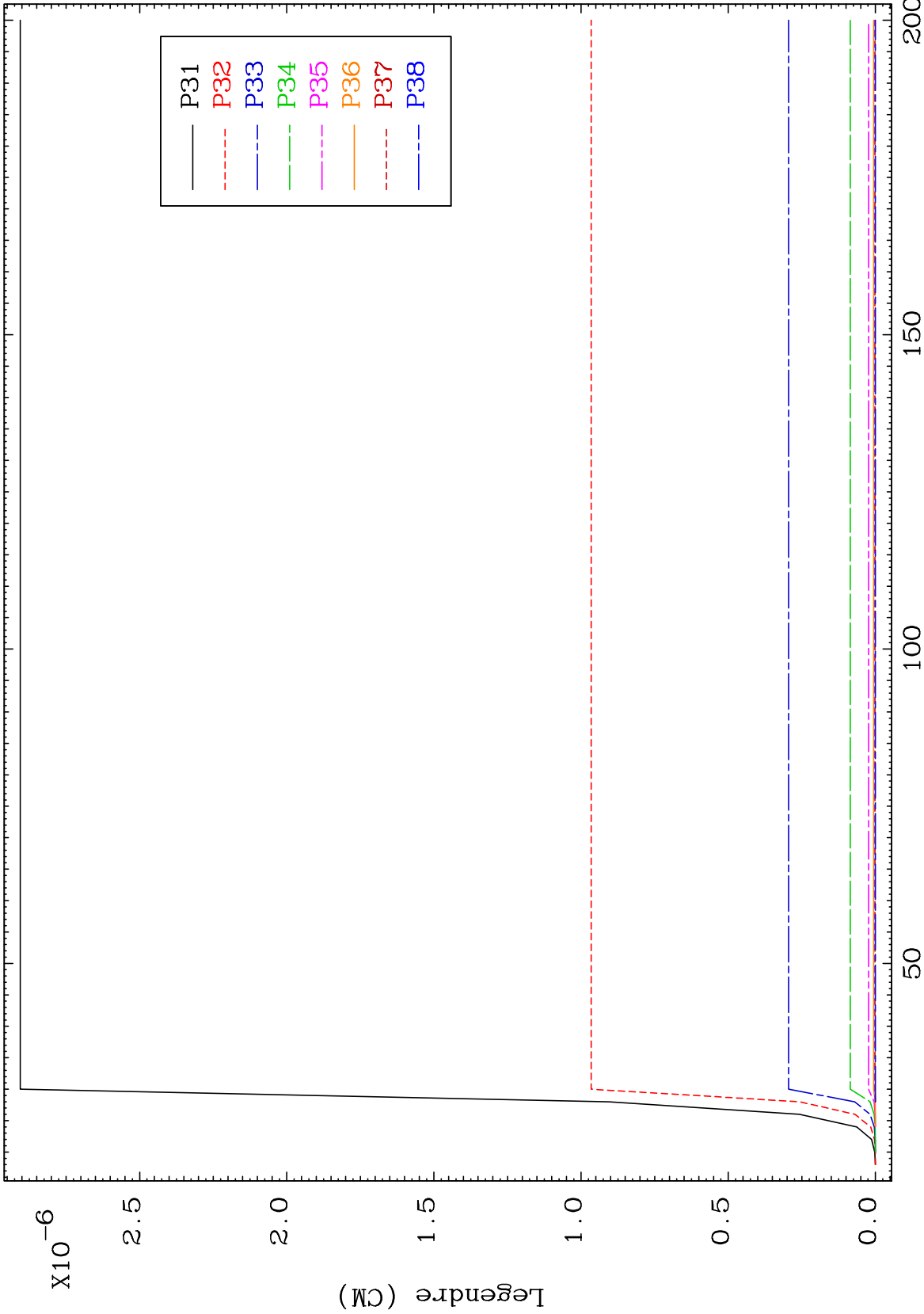
80-Hg-203



MAT 8046

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

80-Hg-203



50

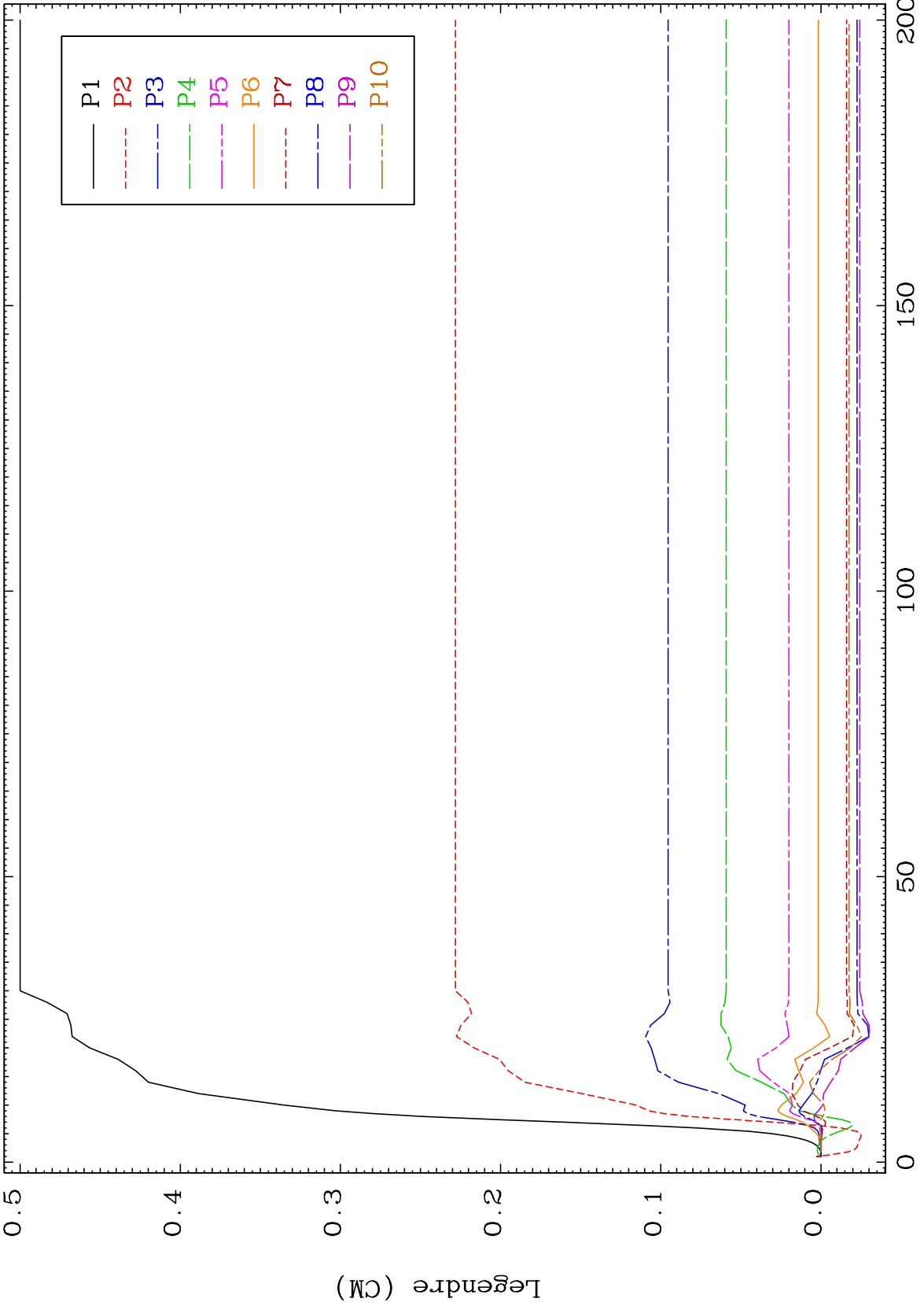
50

100

150

200

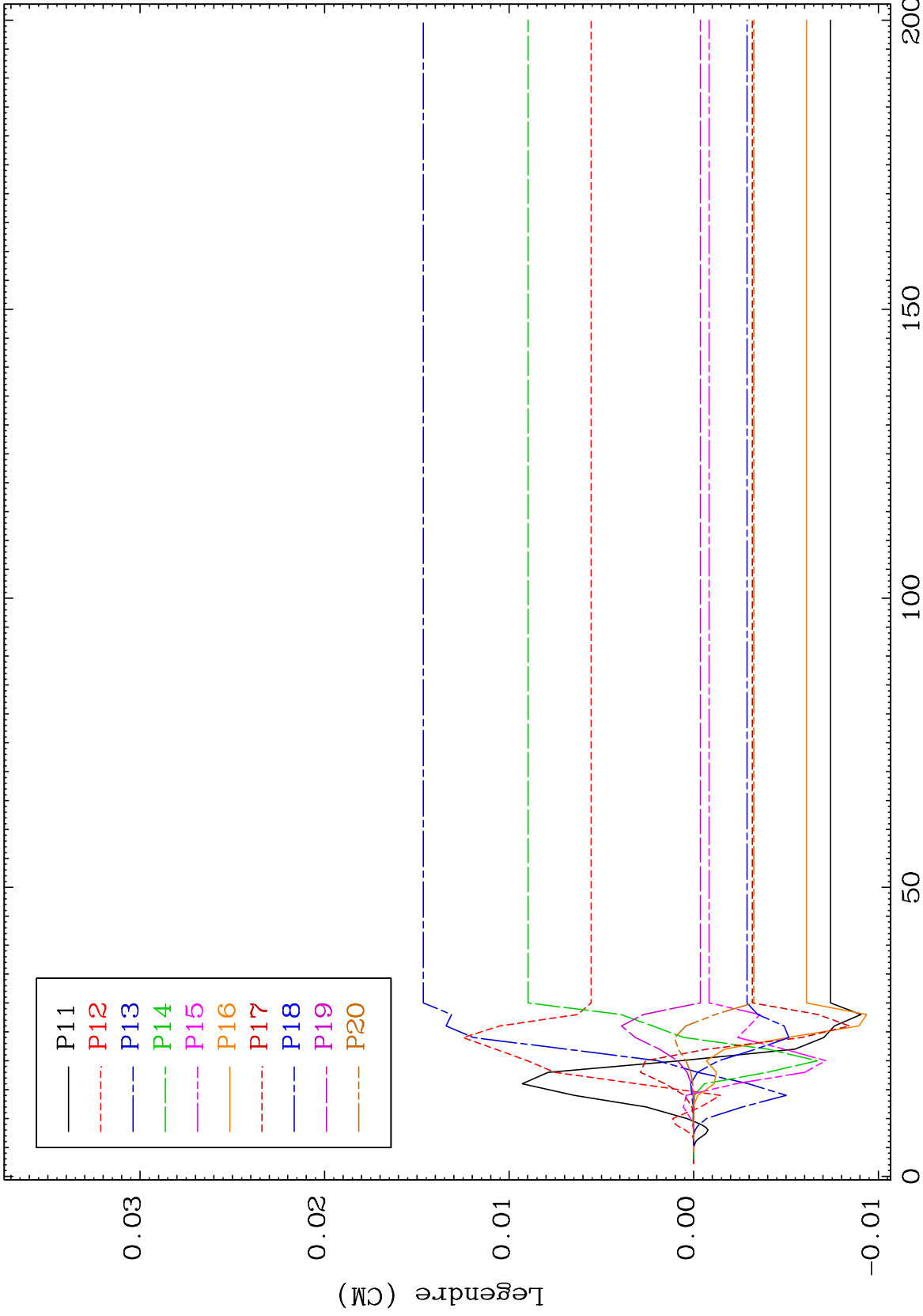
80-Hg-203



MAT 8046

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

80-Hg-203



52

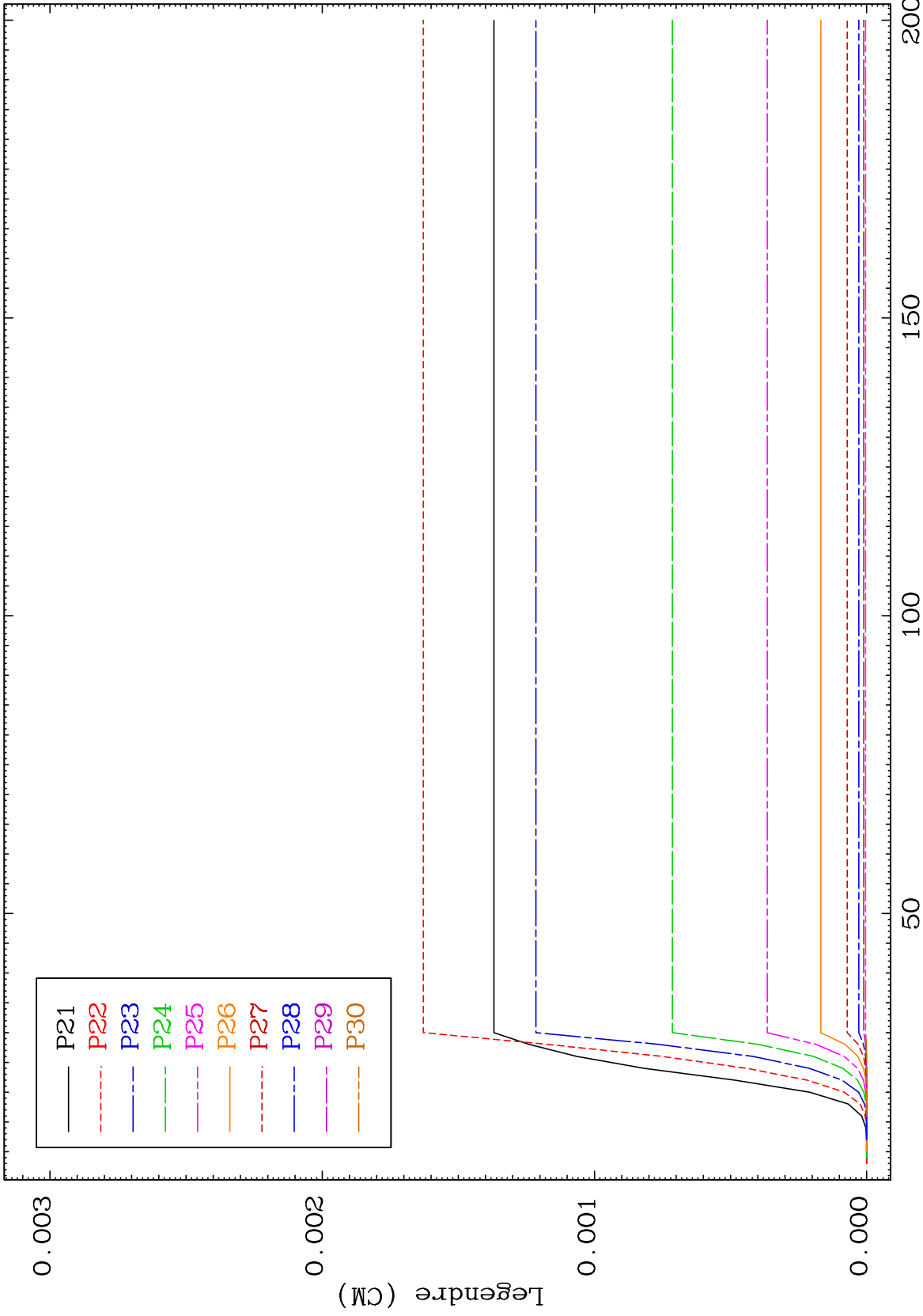
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



53

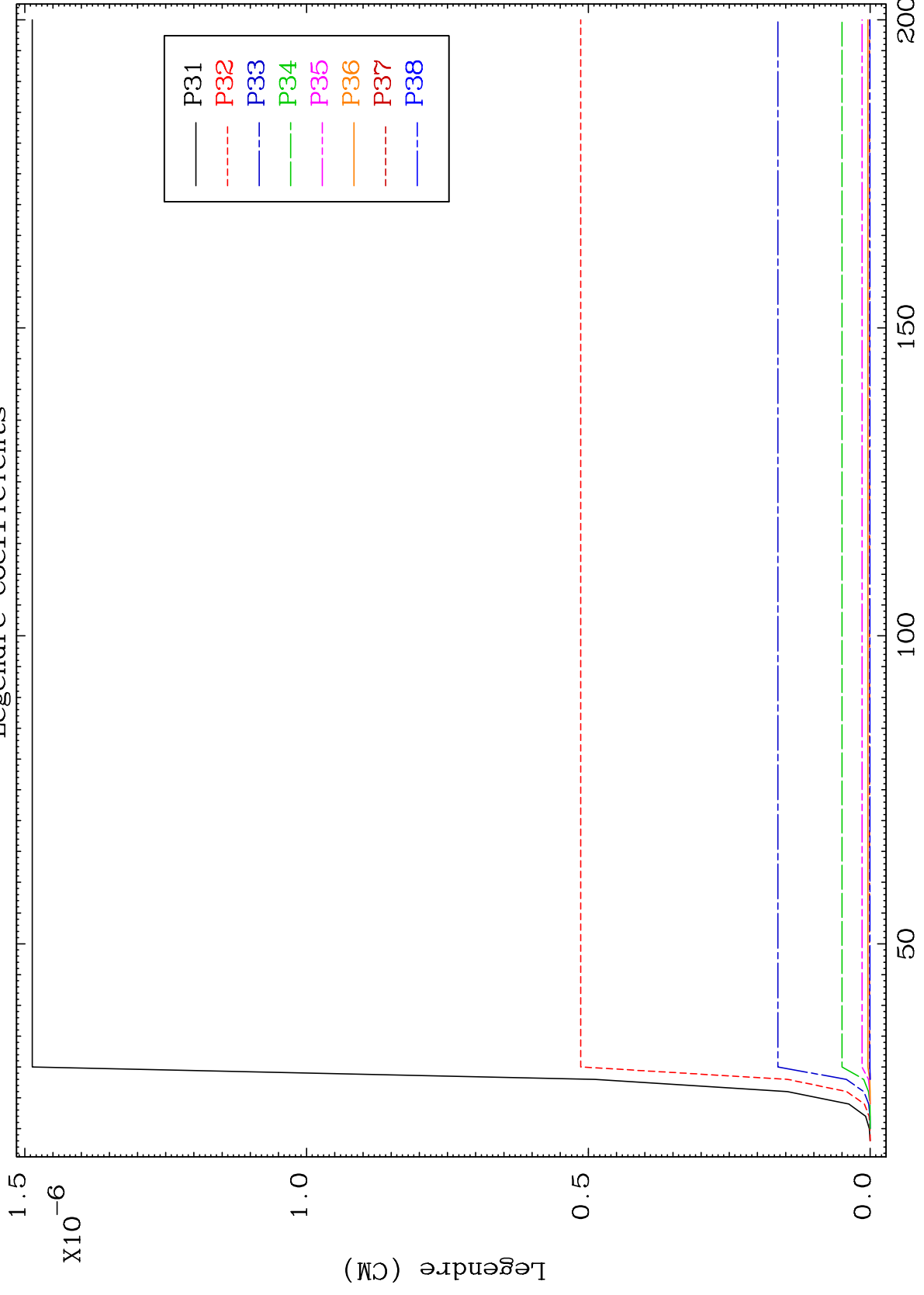
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



54

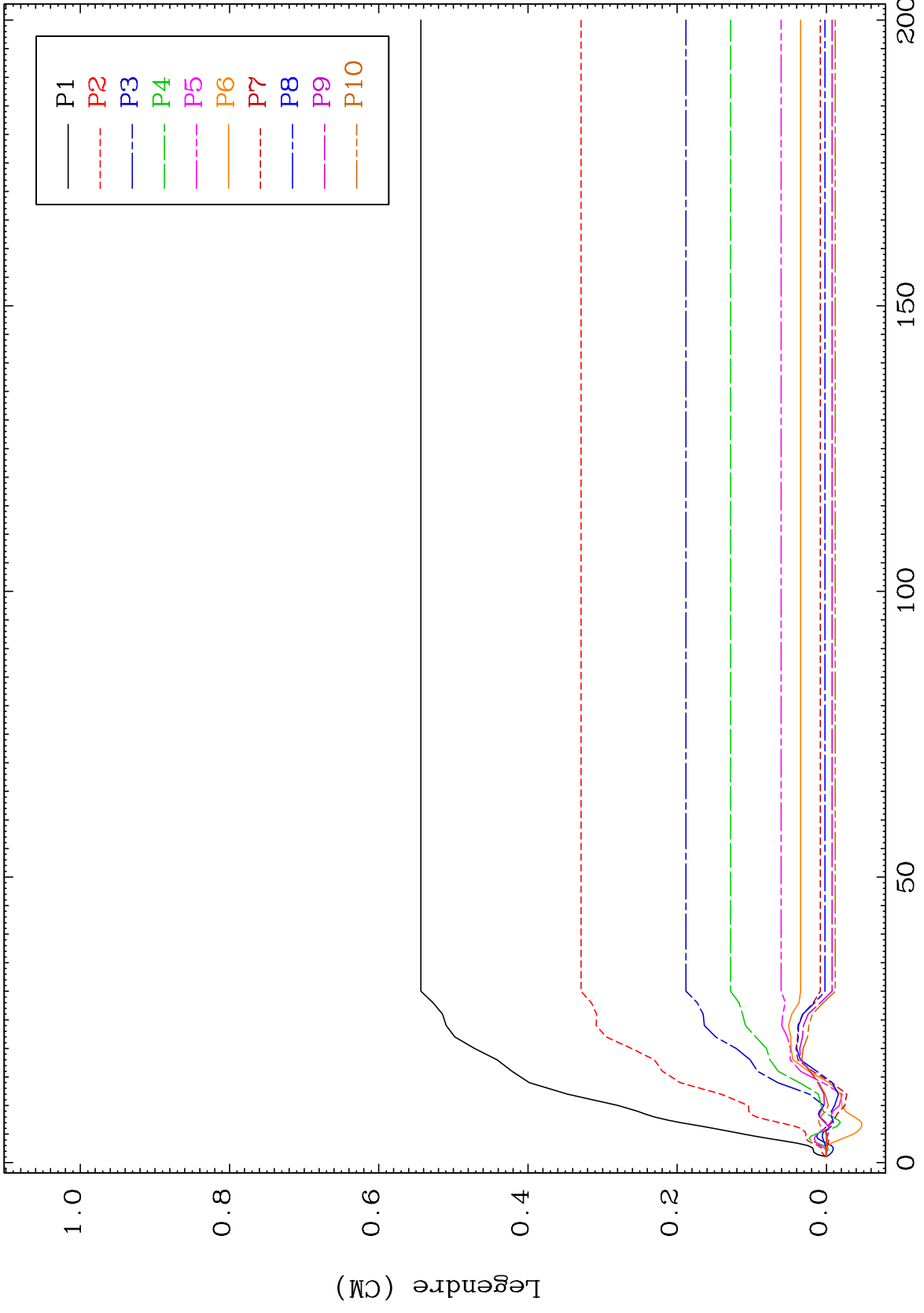
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



55

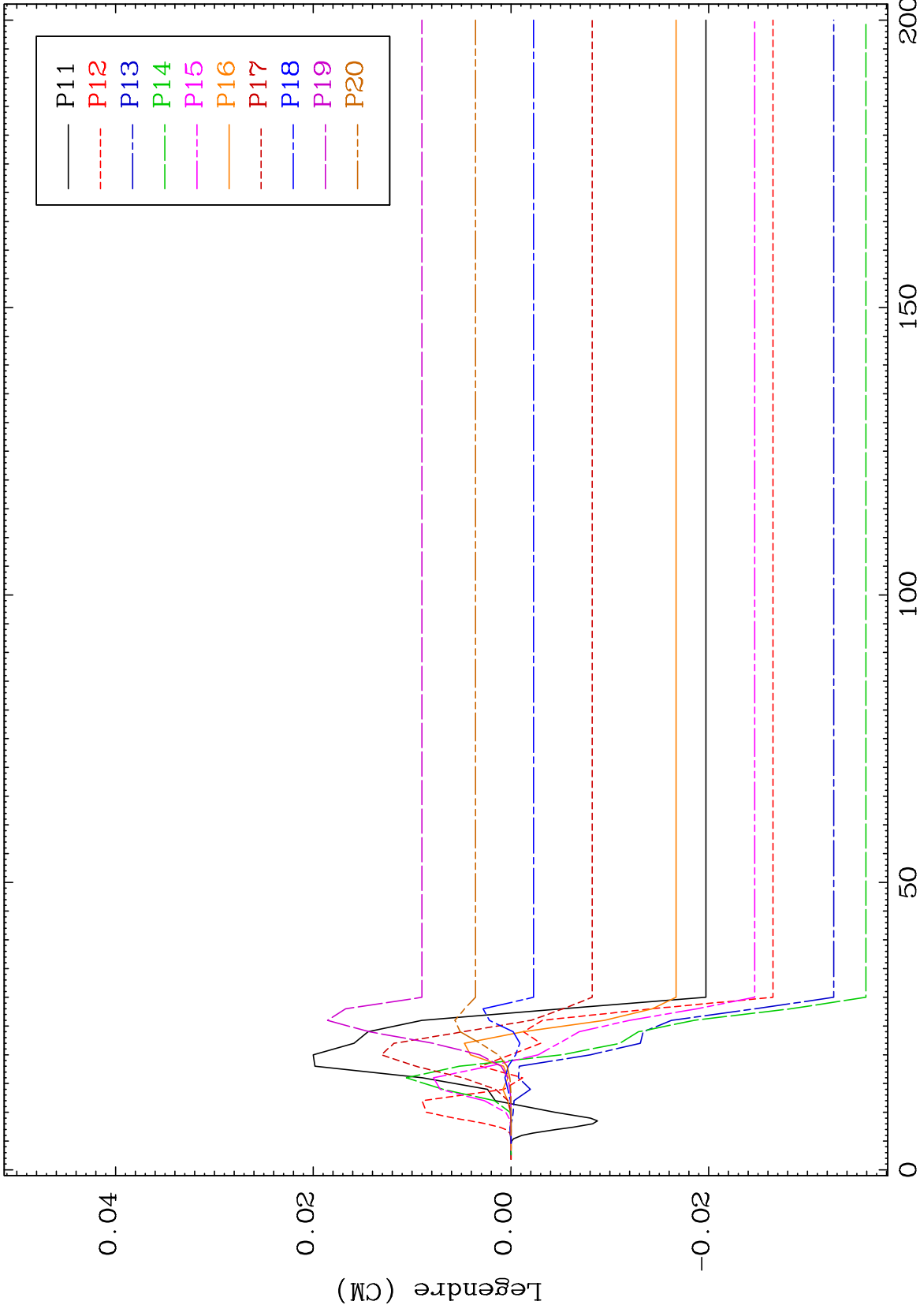
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



56

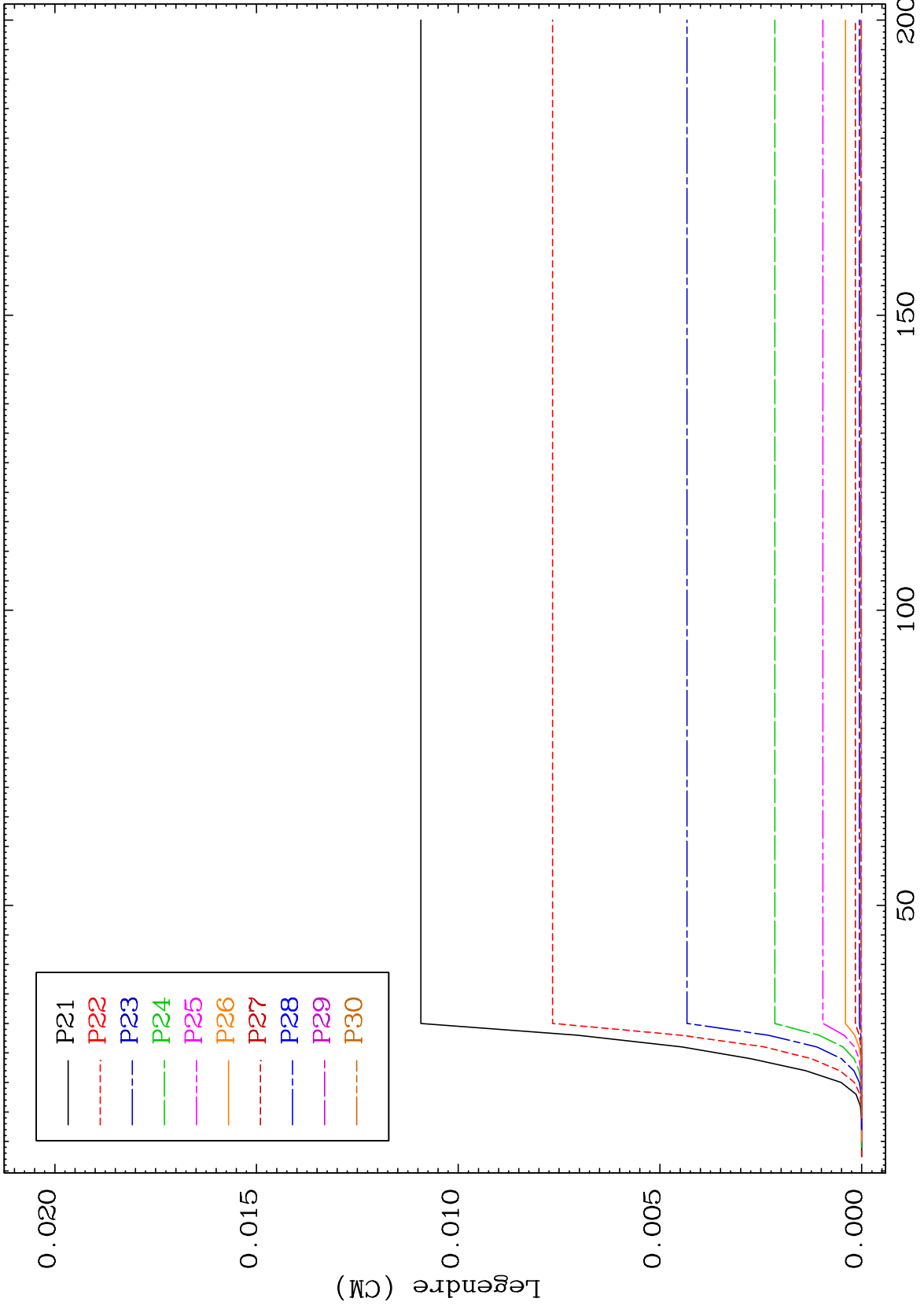
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



57

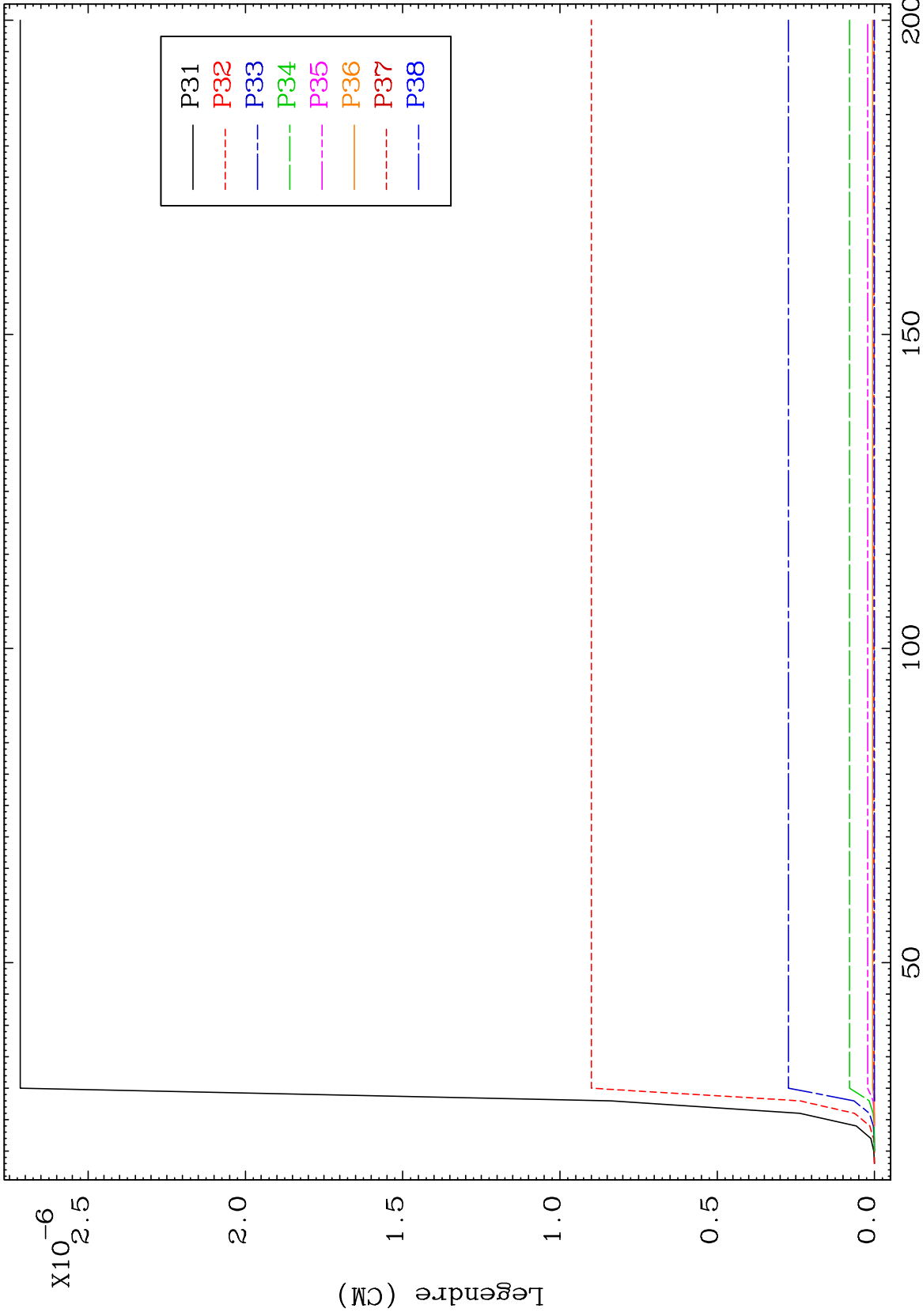
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



58

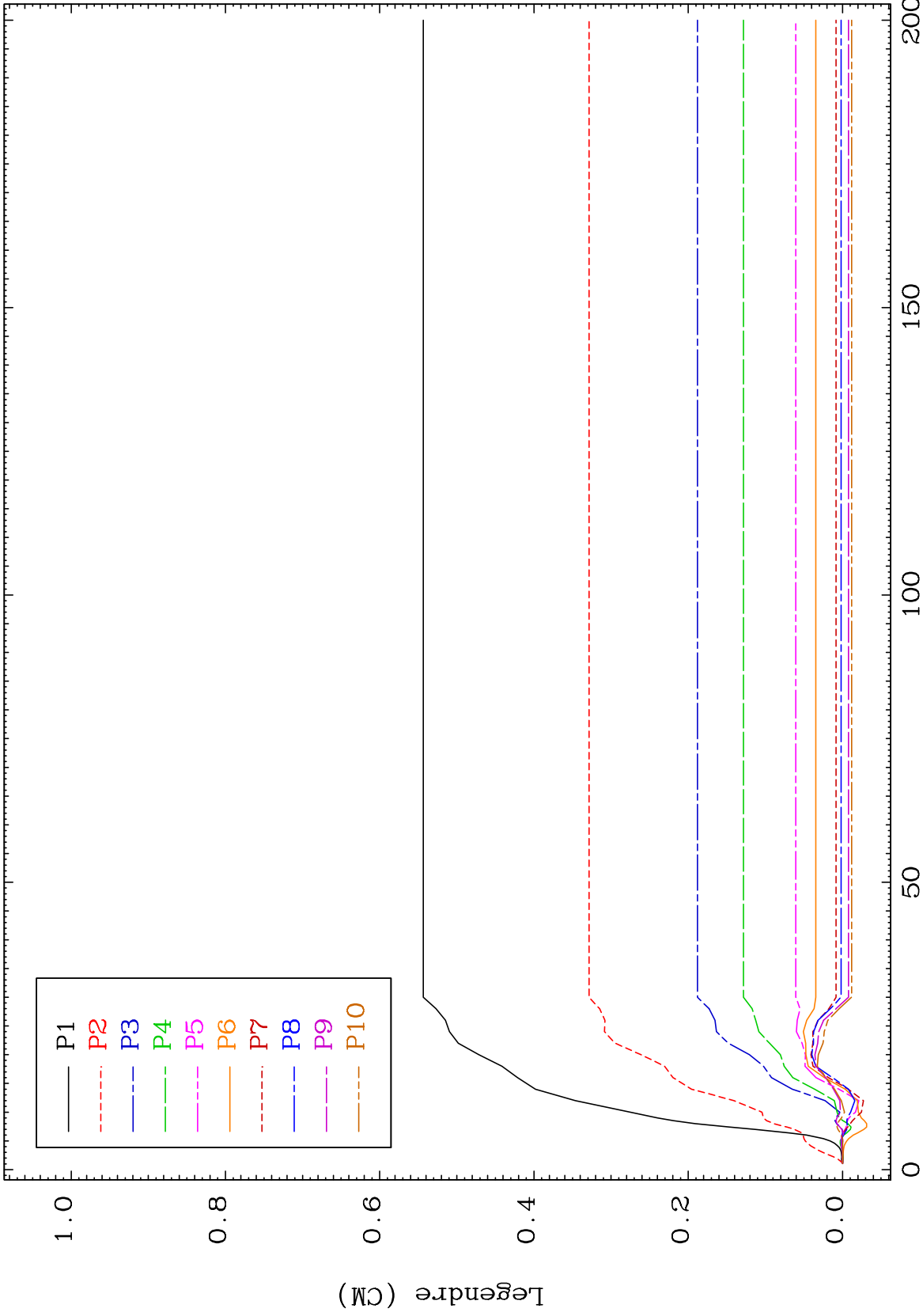
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



59

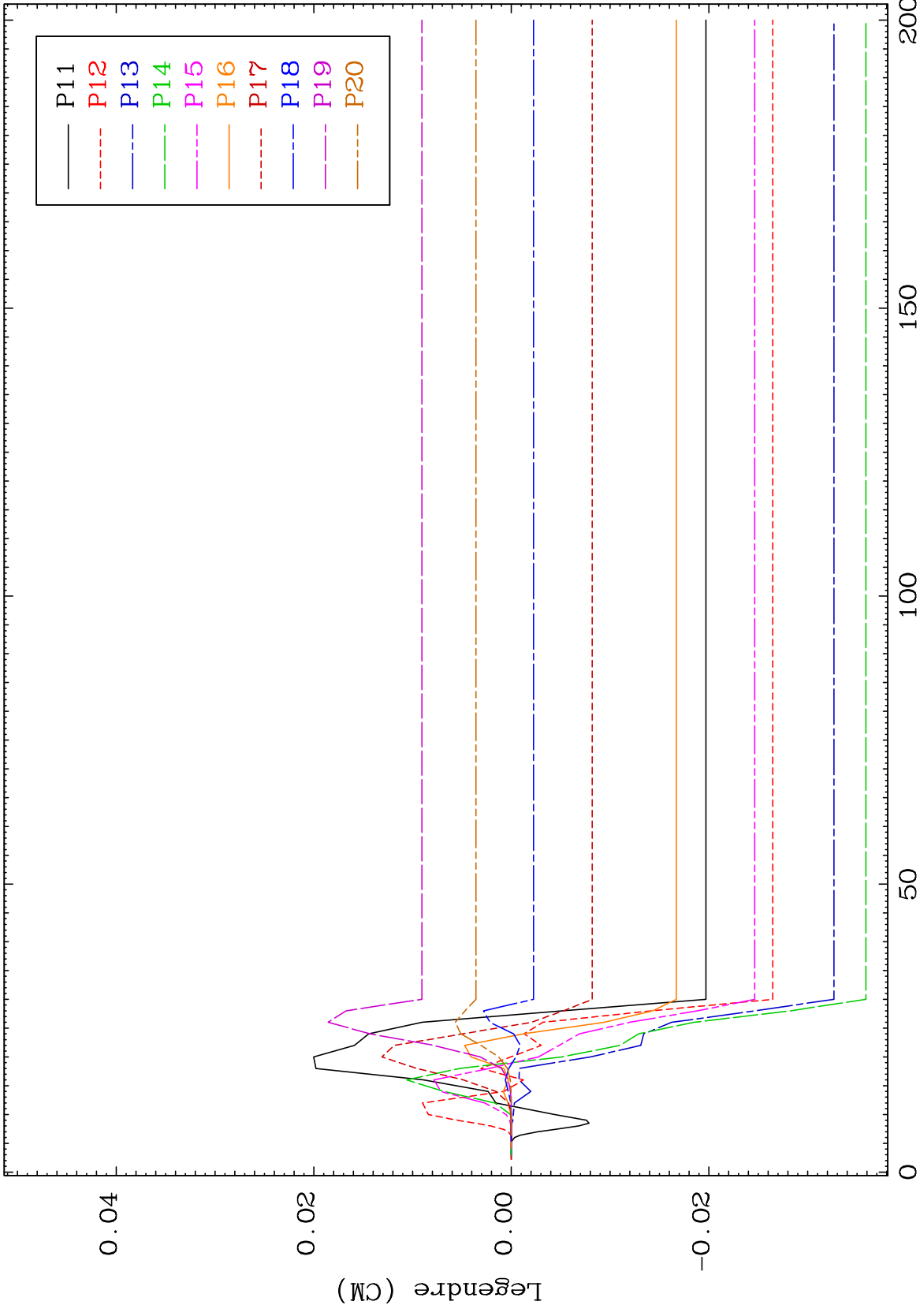
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



60

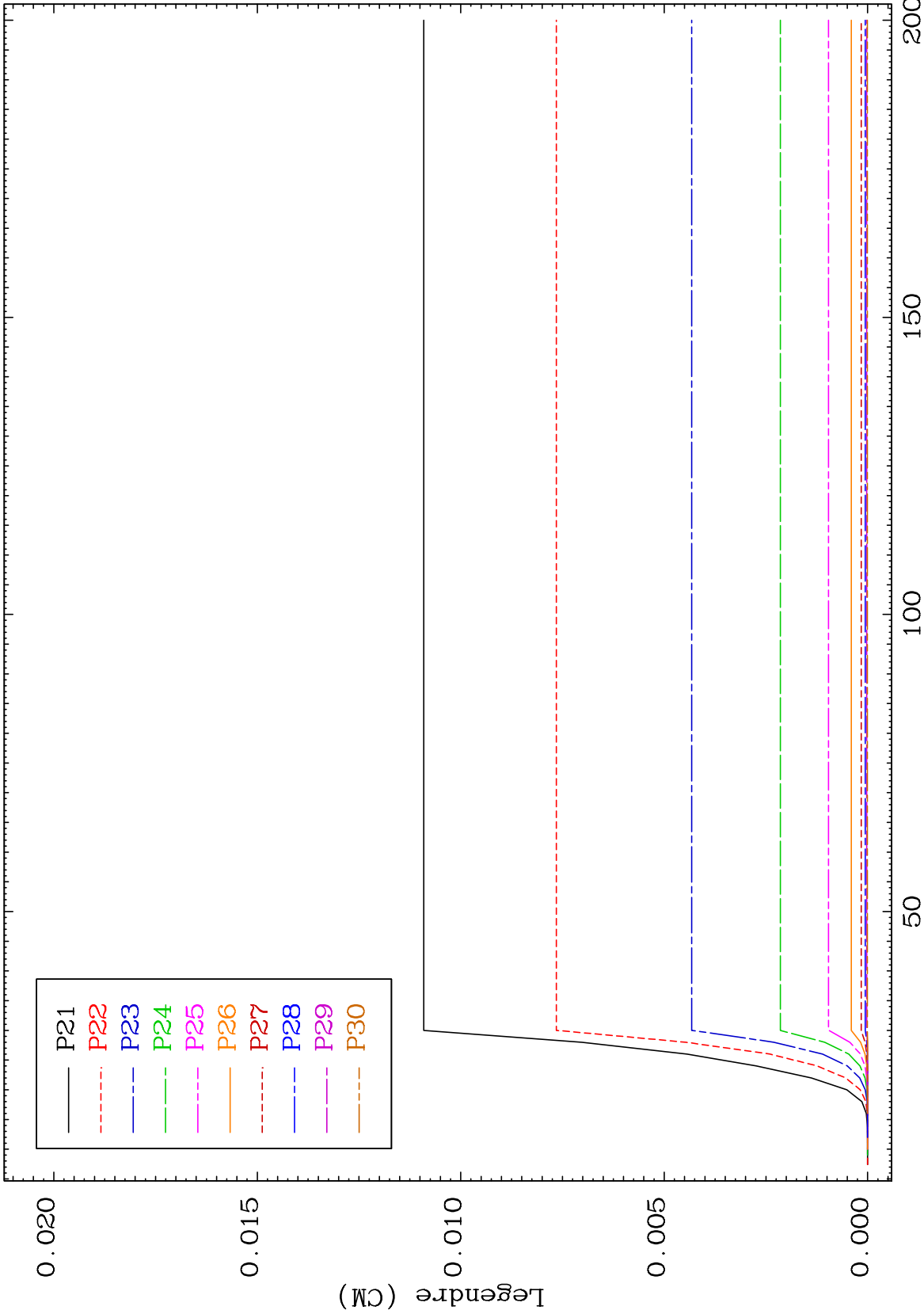
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



61

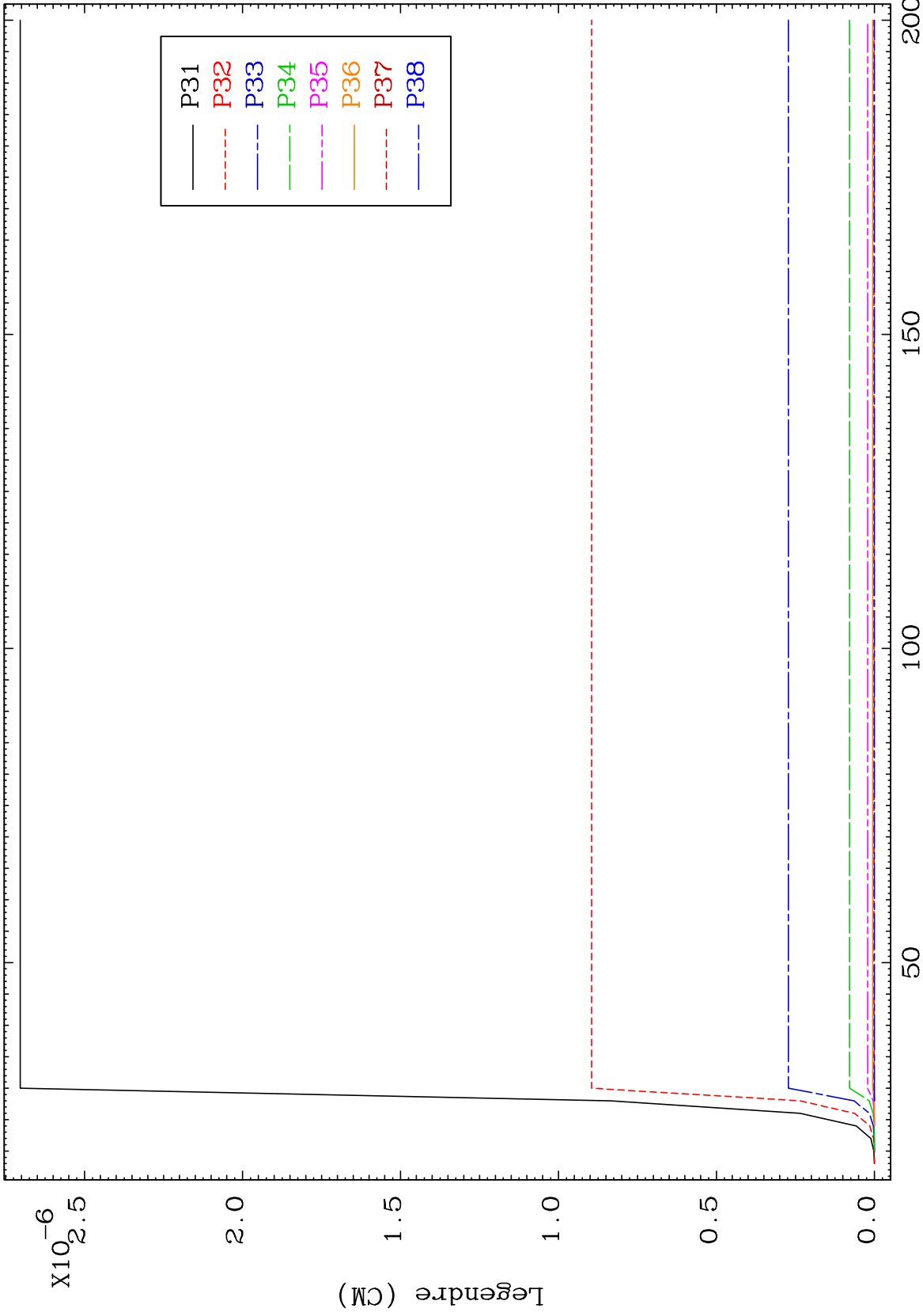
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



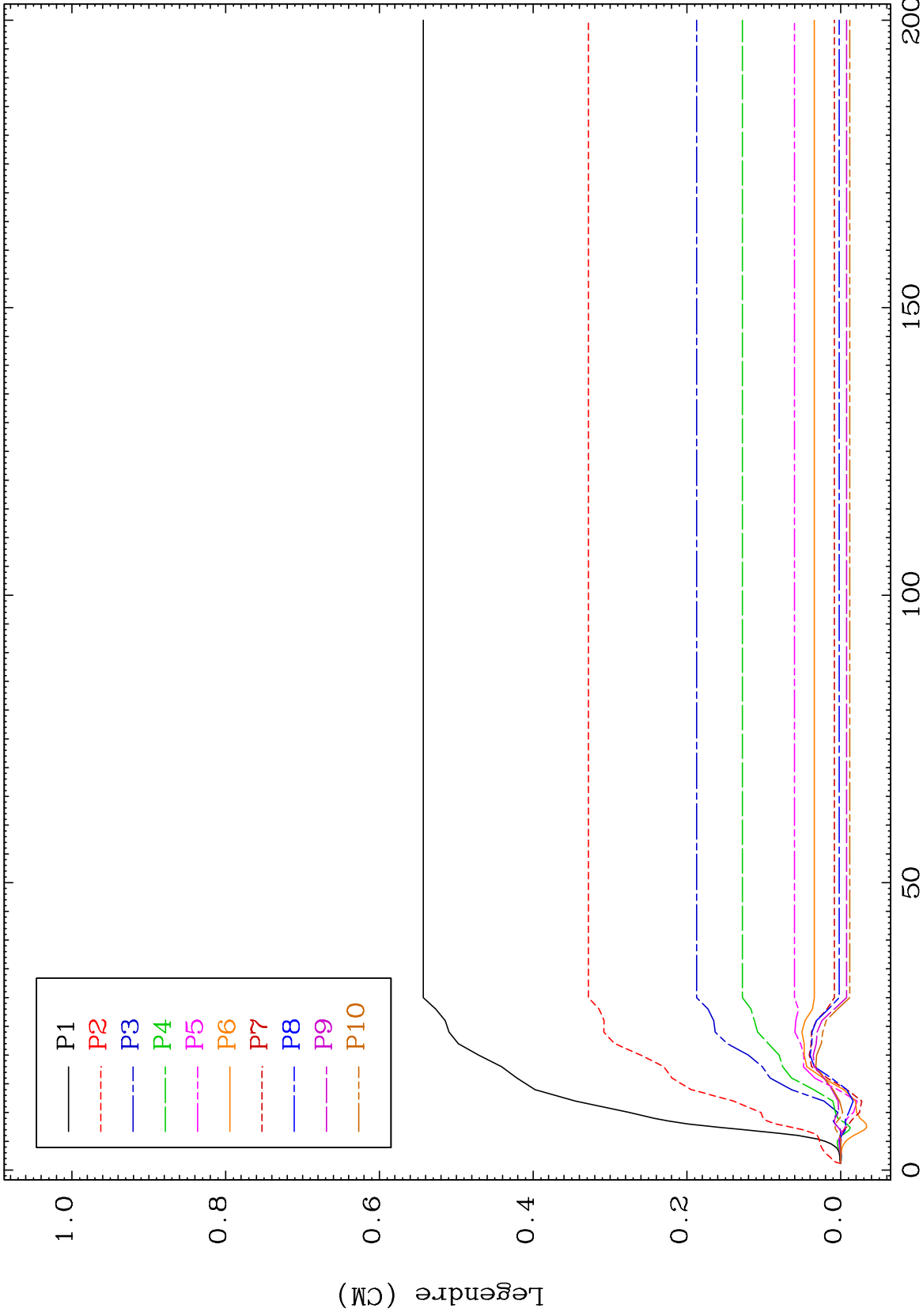
62

80-Hg-203

MAT 8046

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

80-Hg-203



63

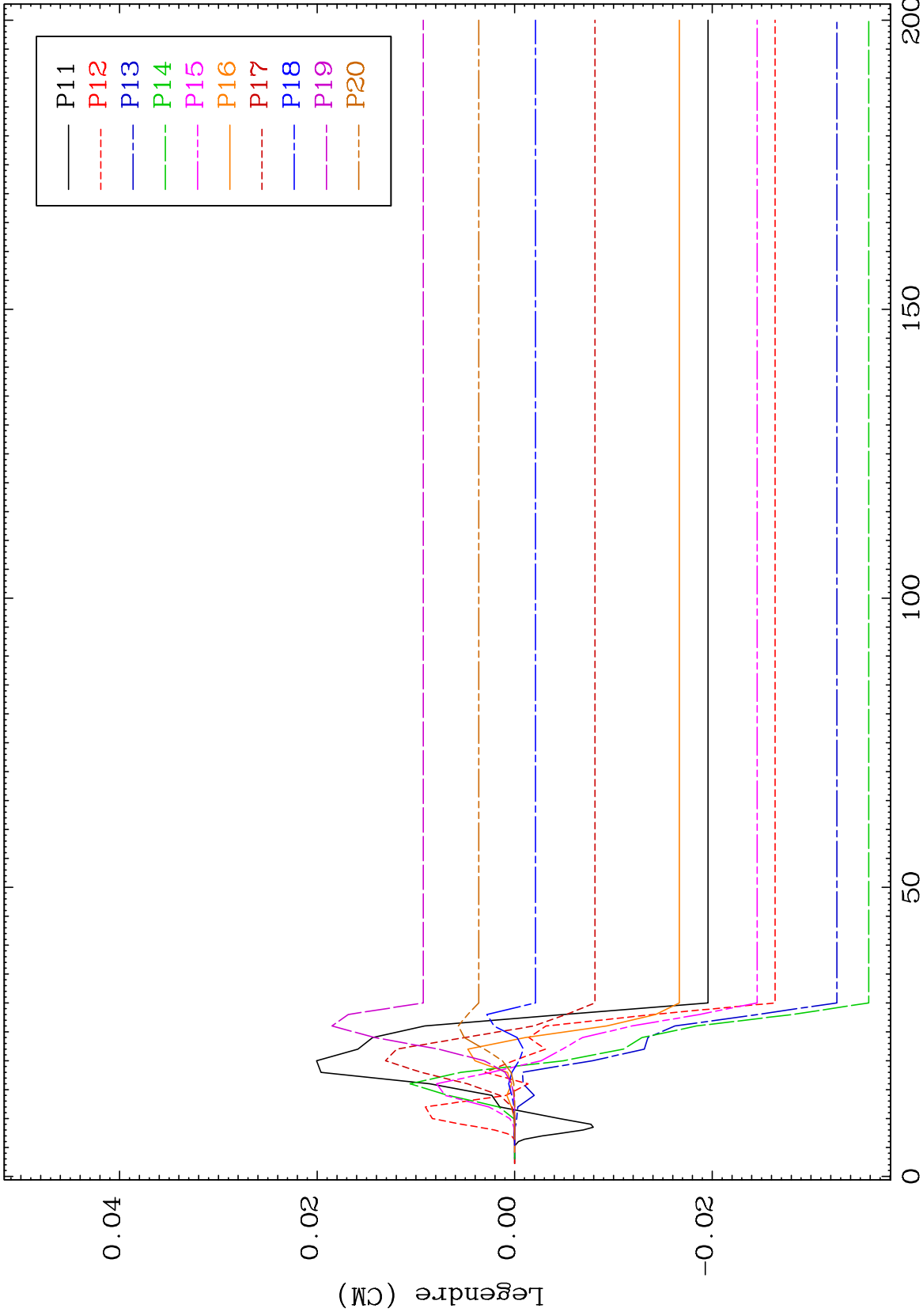
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



64

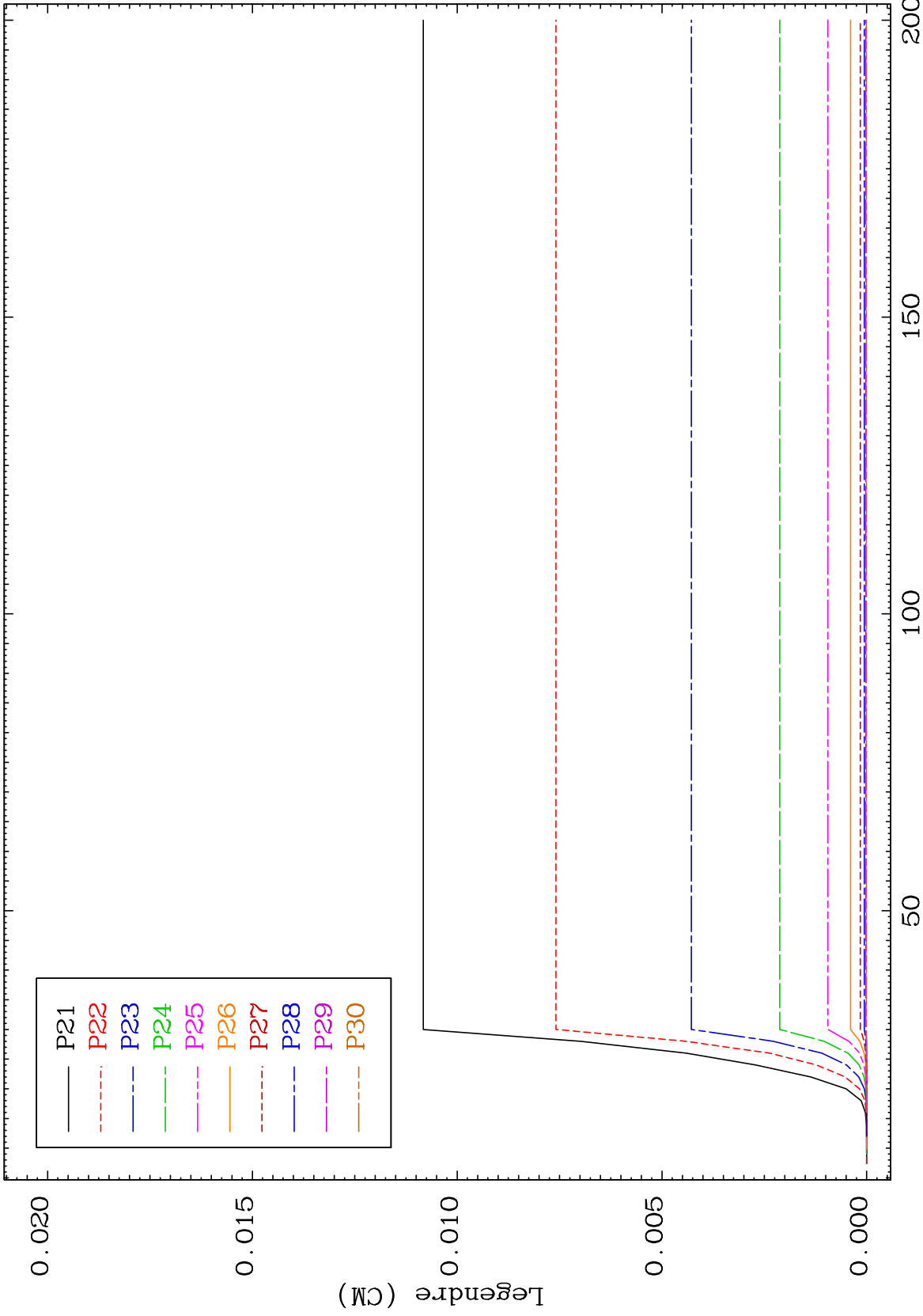
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



65

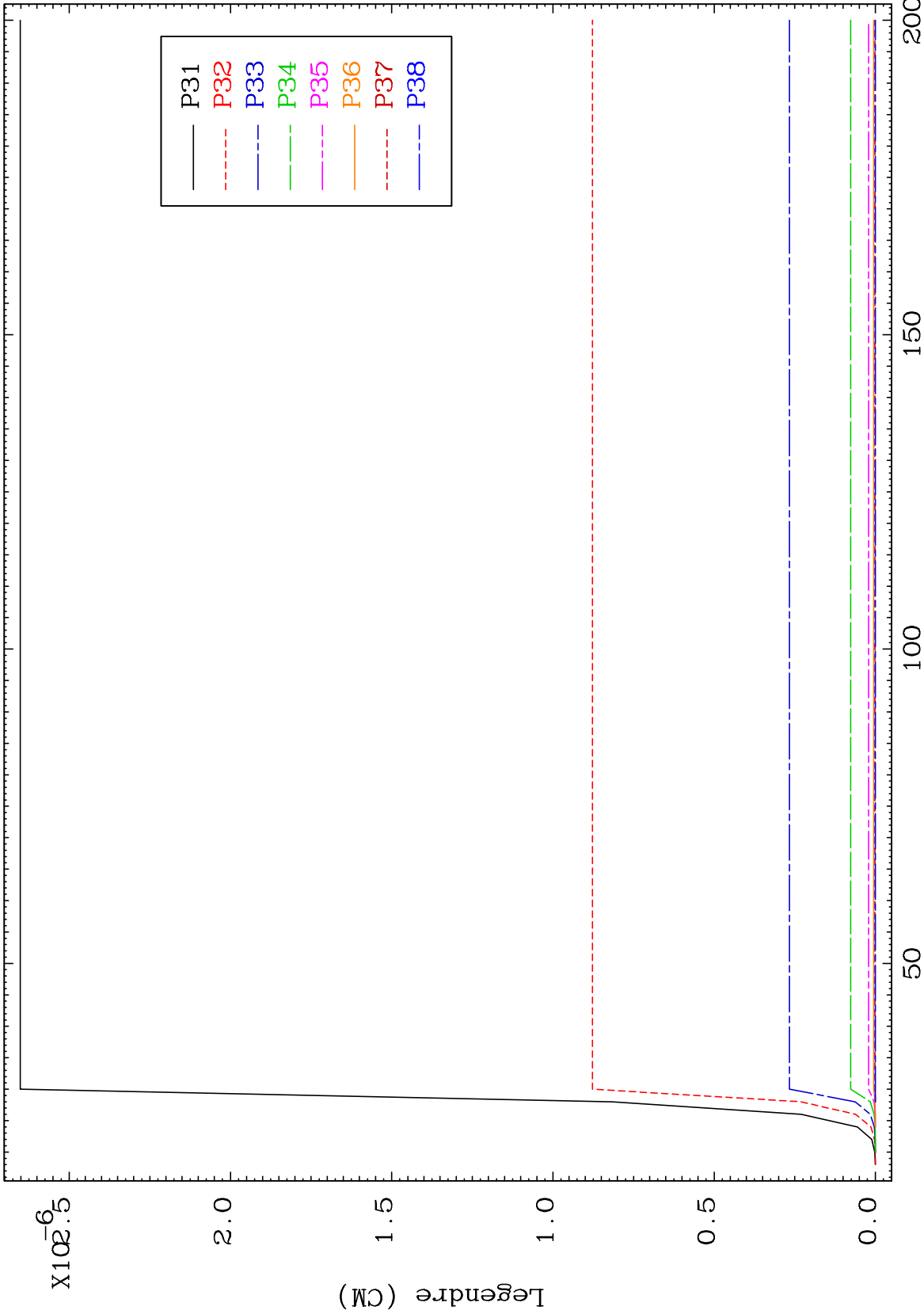
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



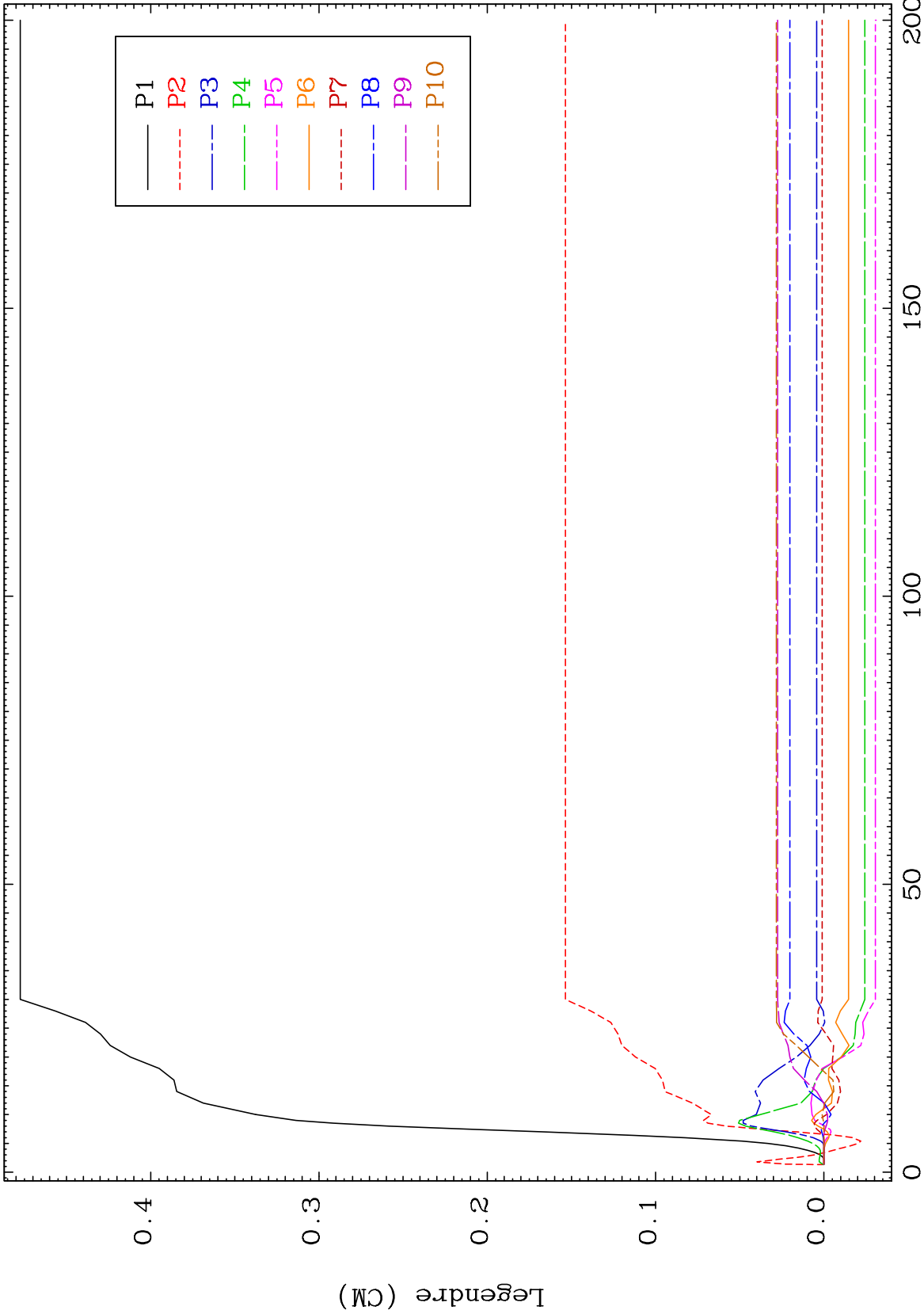
66

80-Hg-203

MAT 8046

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

80-Hg-203



67

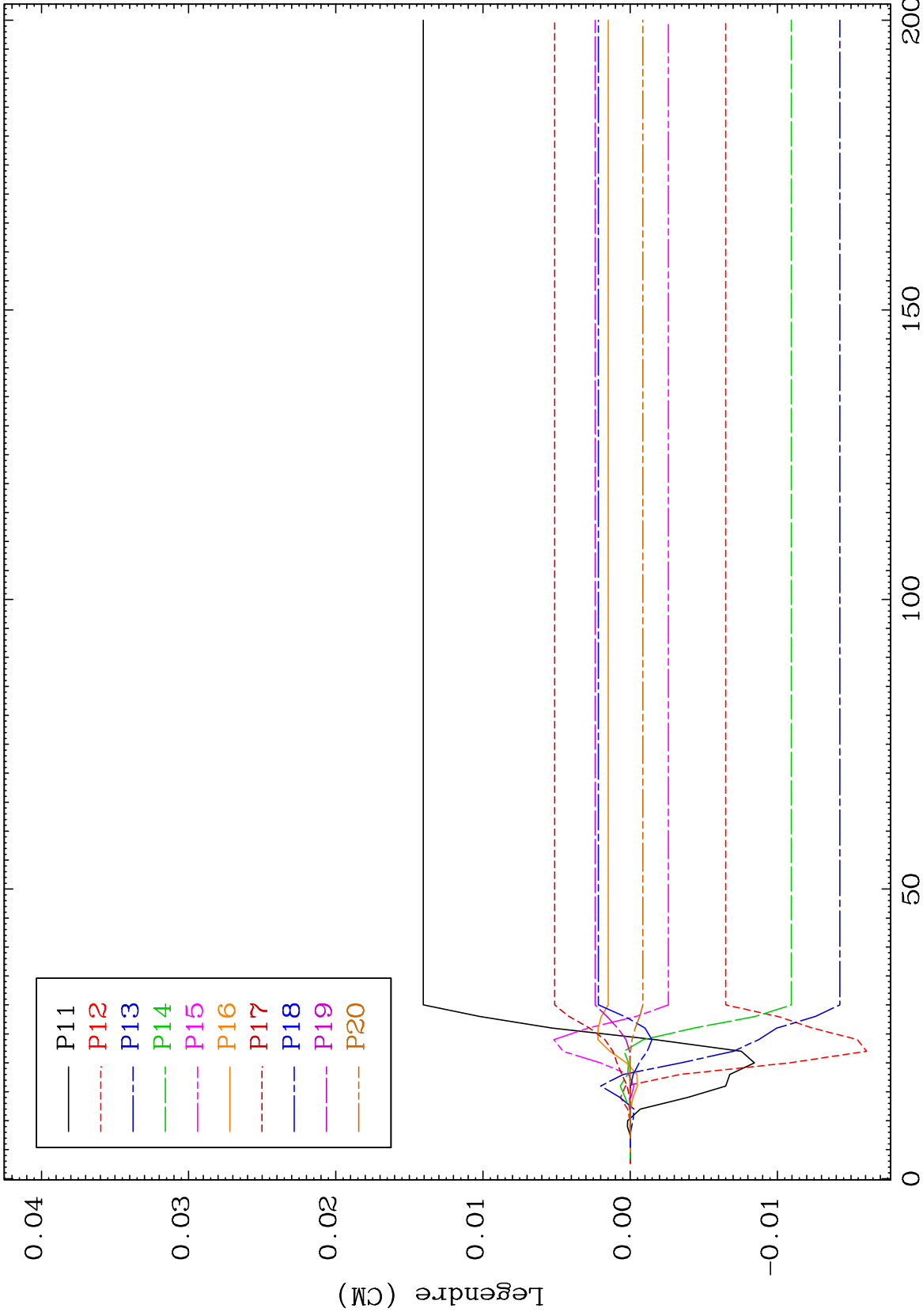
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



68

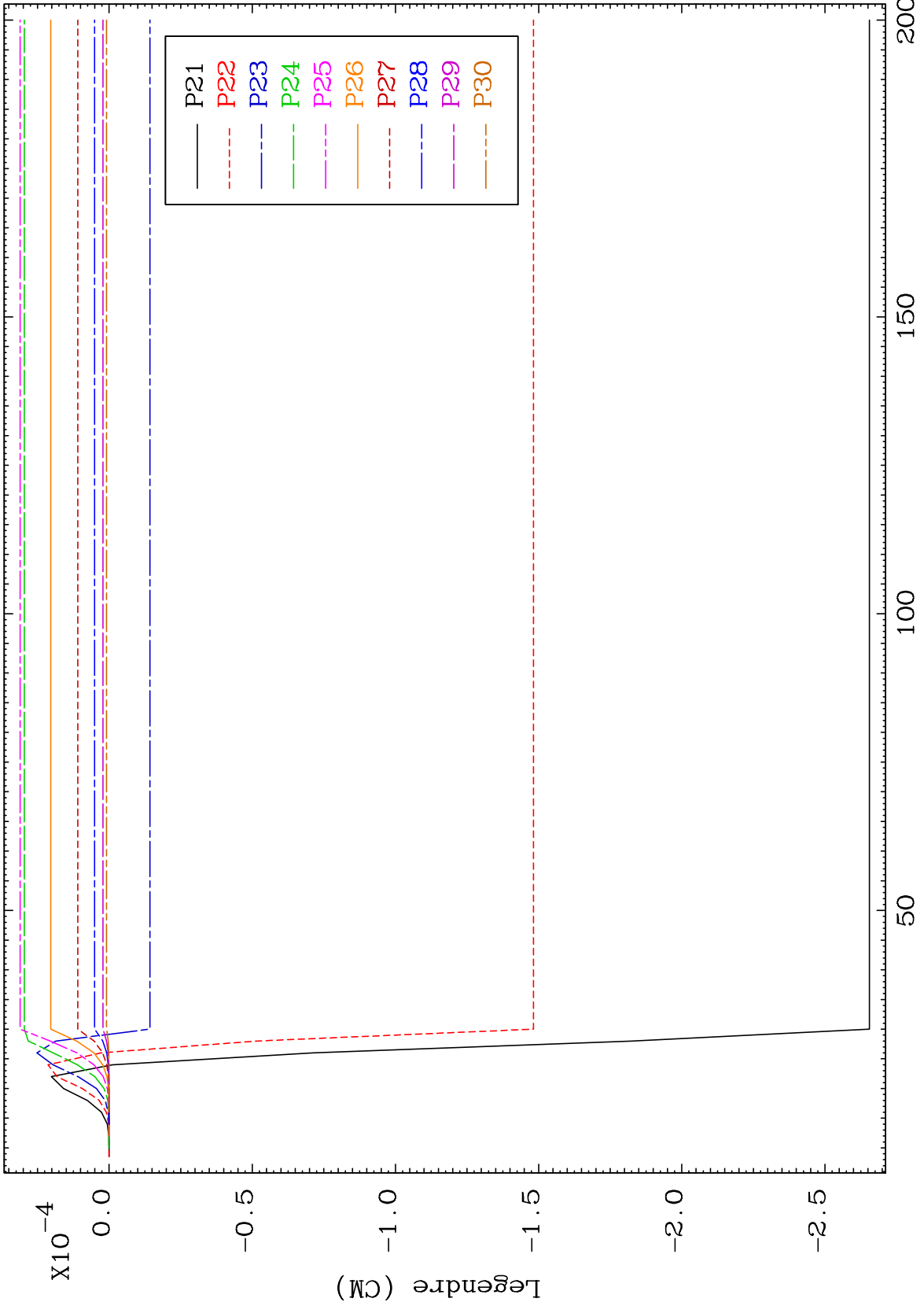
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



80-Hg-203

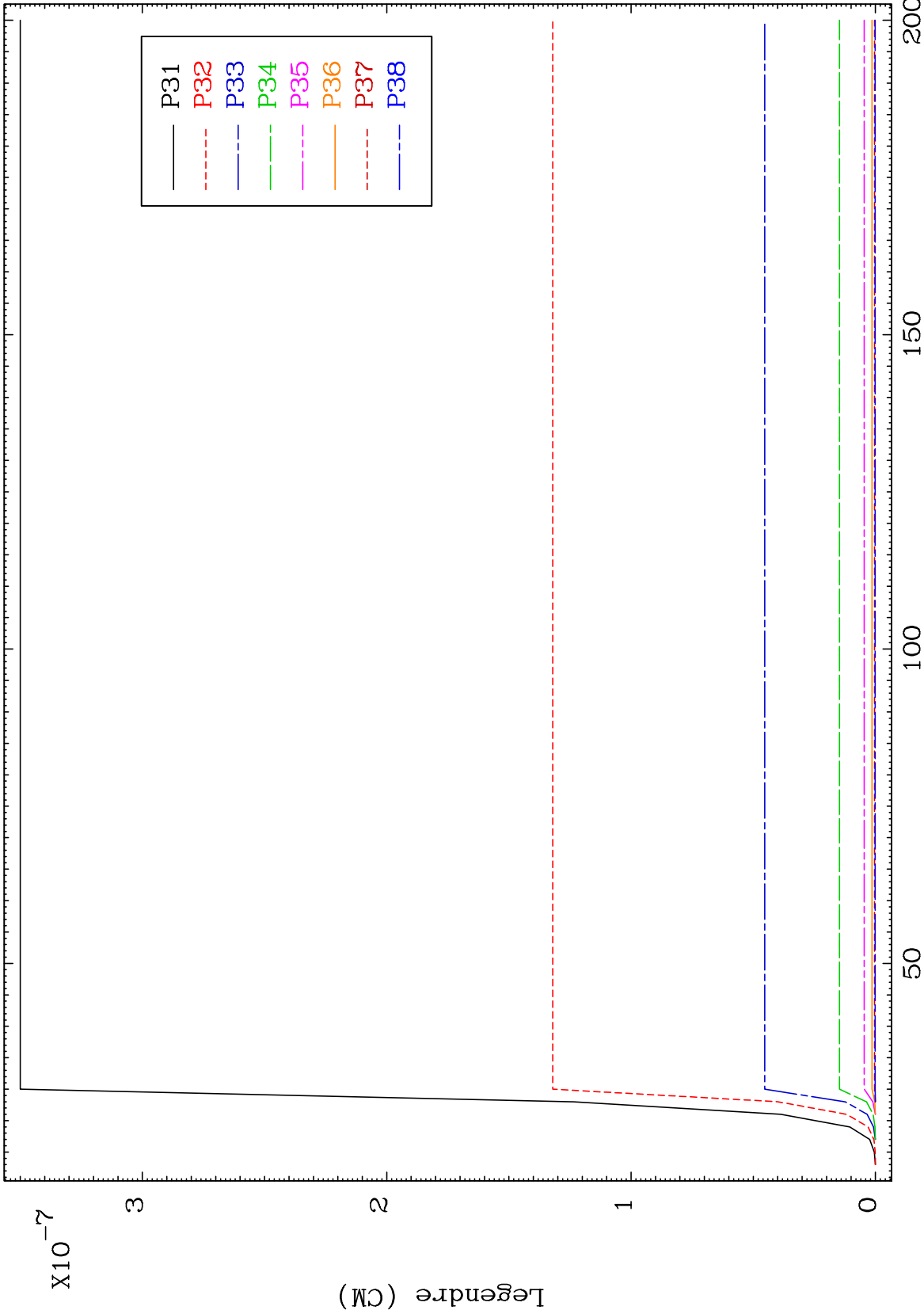
Incident Energy (MeV)

69

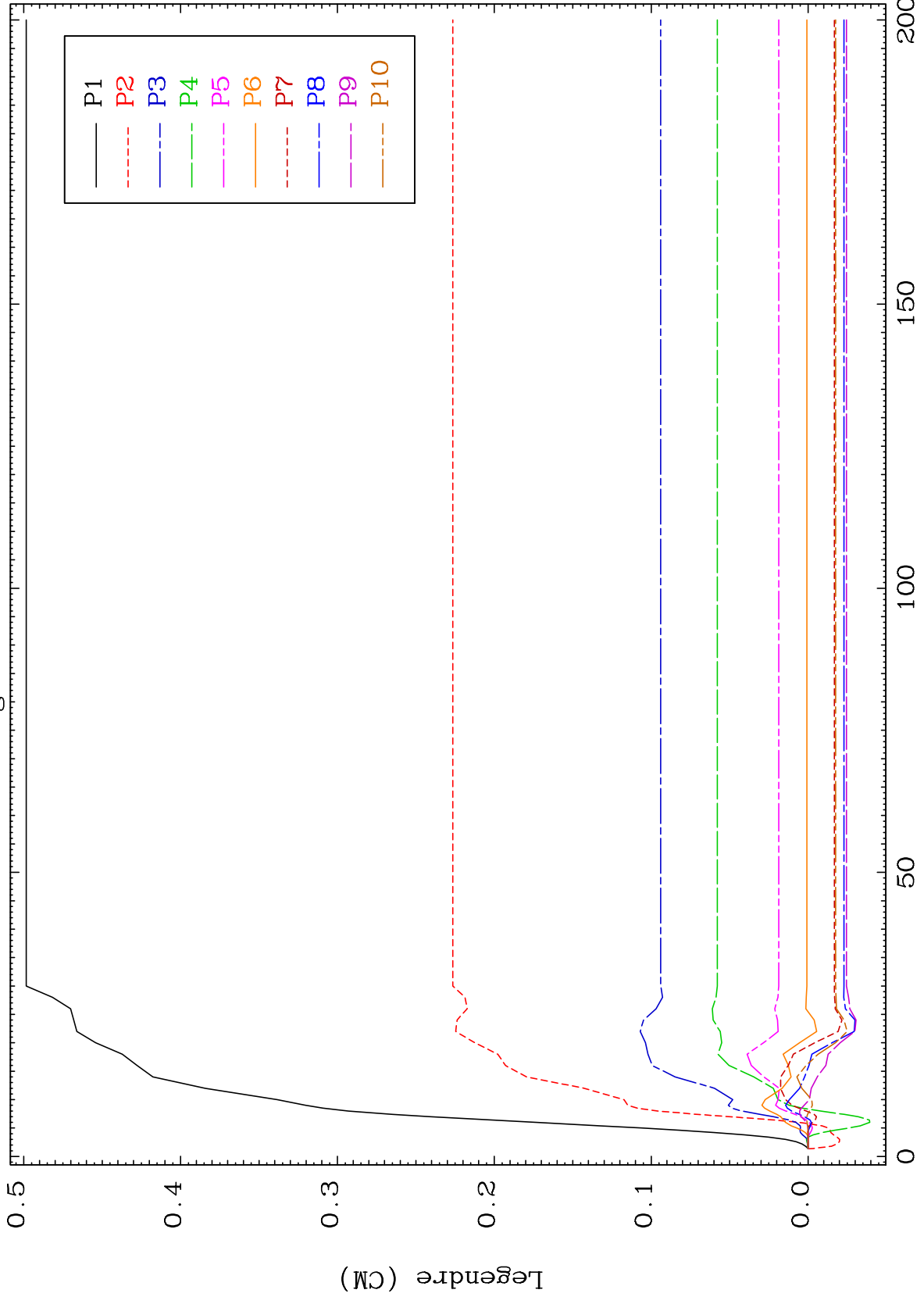
MAT 8046

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

80-Hg-203



MAT 8046 MT= 64 (n,n') Level Legendre Coefficients 80-Hg-203

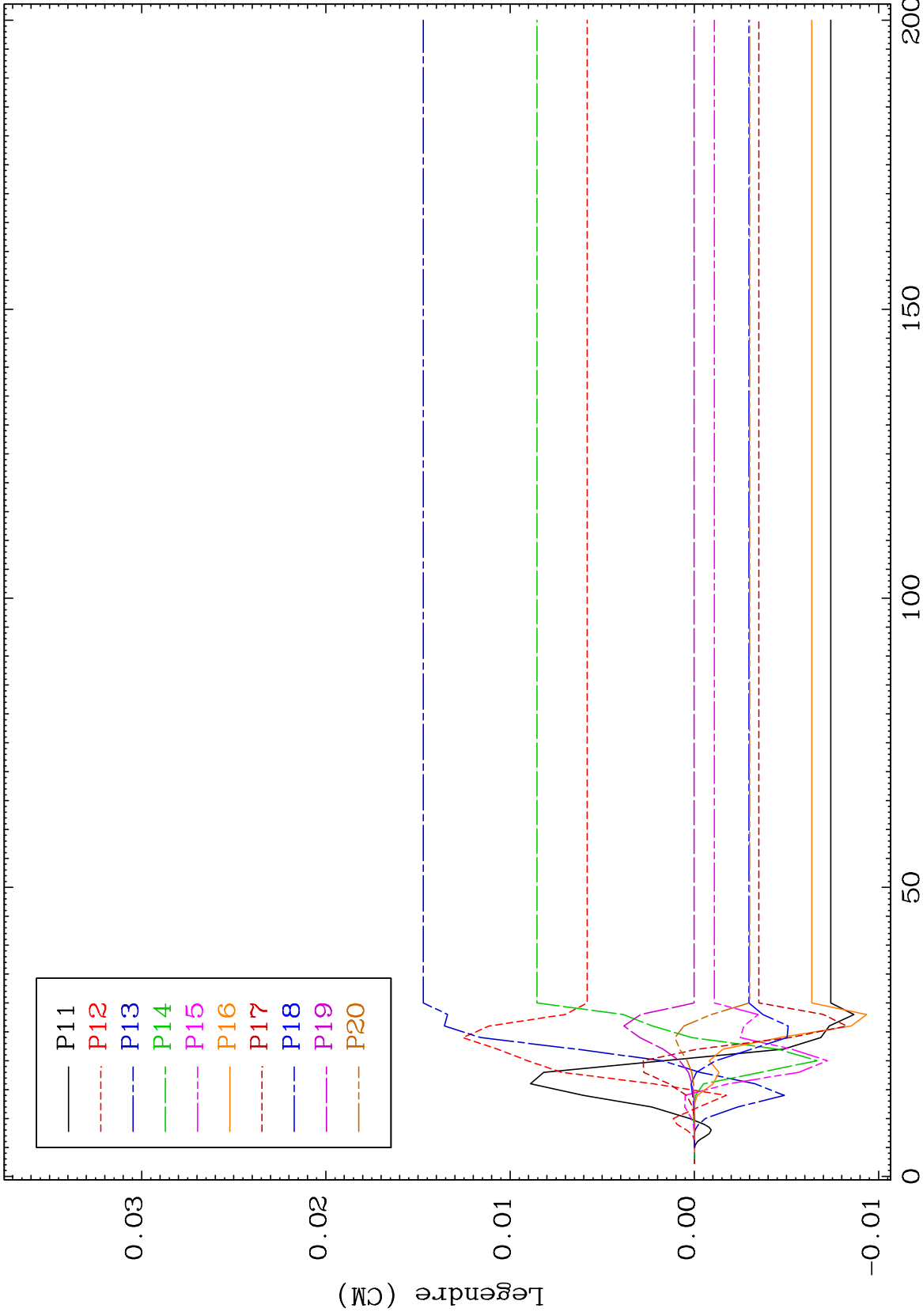


71 80-Hg-203

MAT 8046

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

80-Hg-203



72

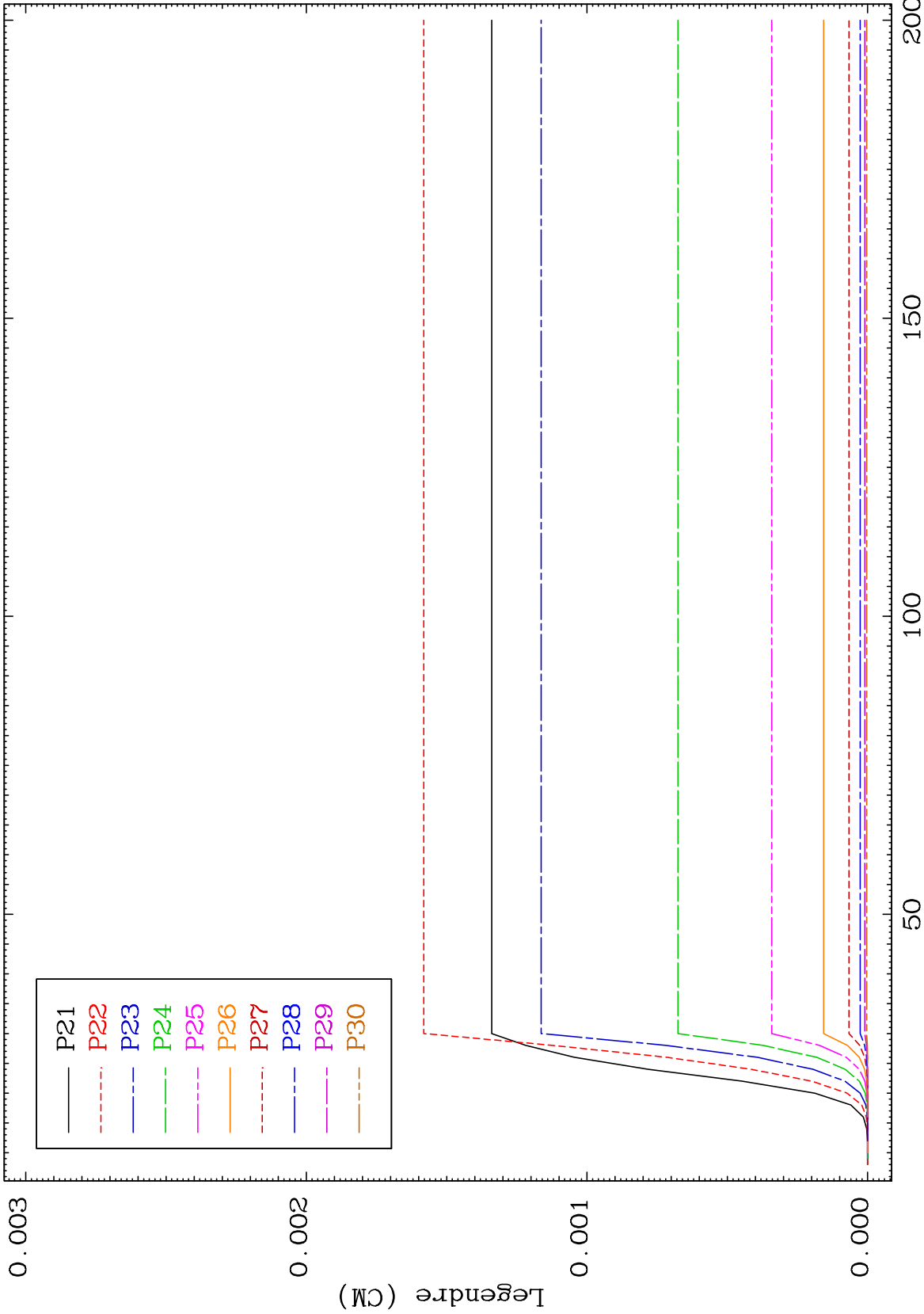
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



73

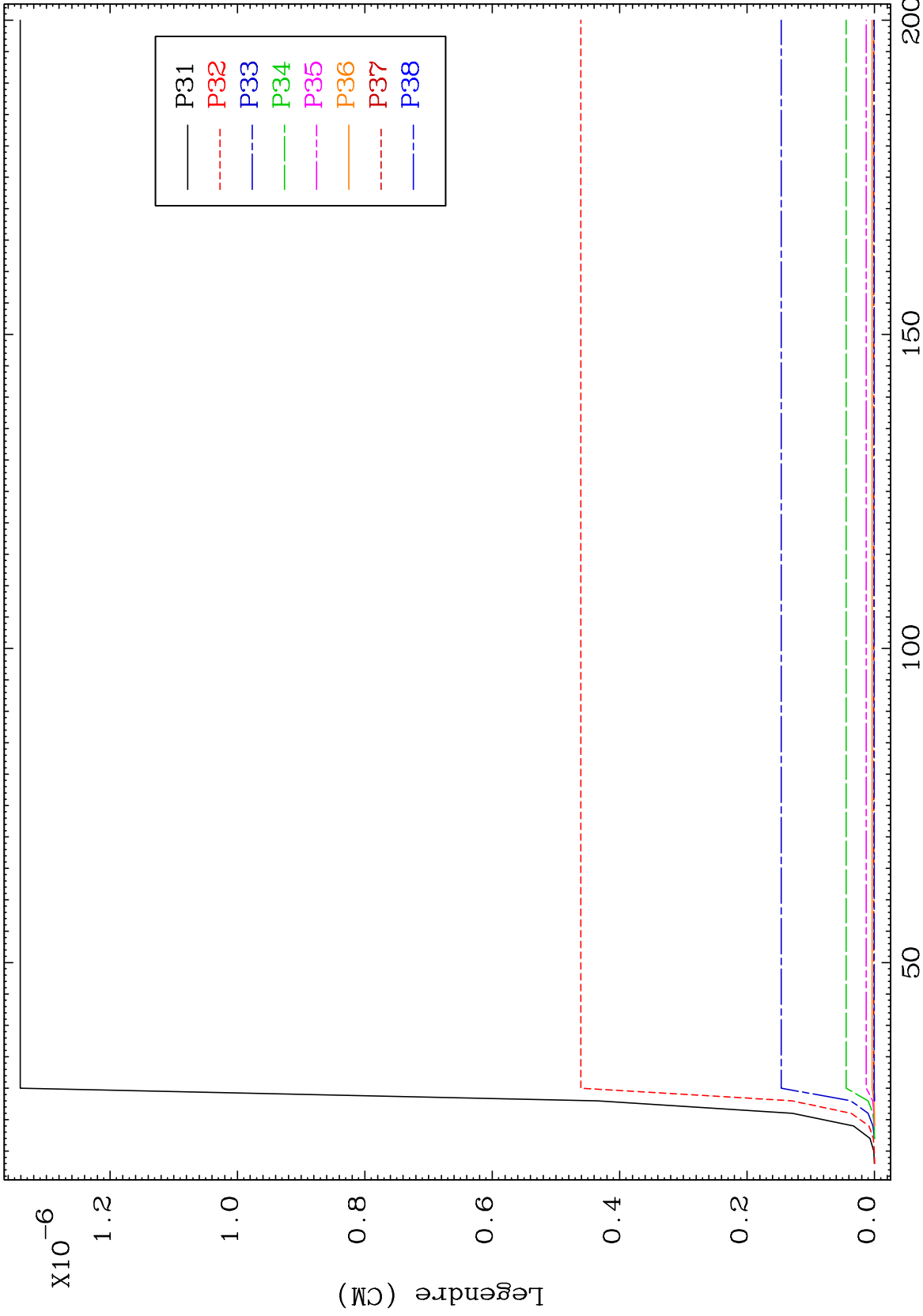
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

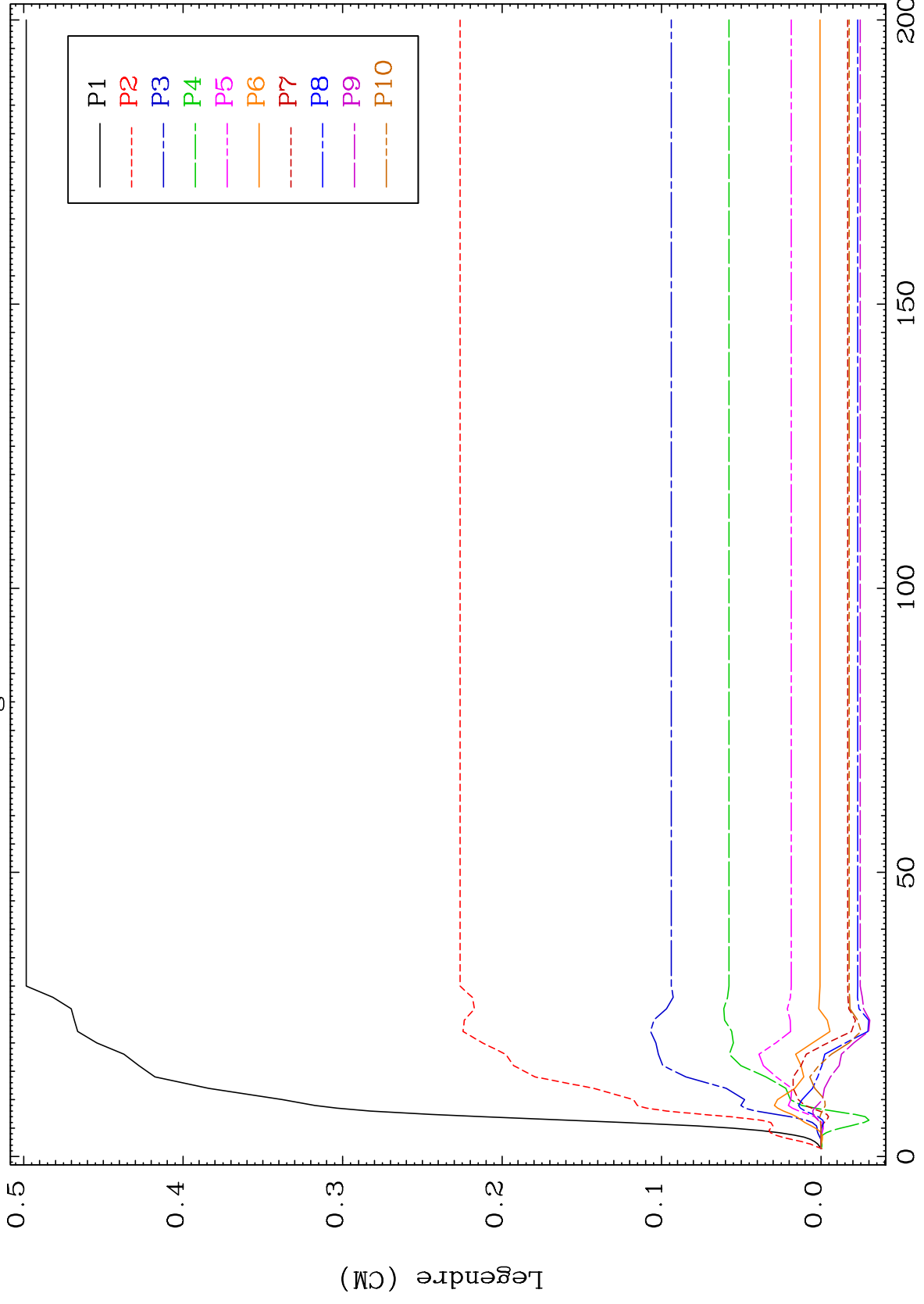
80-Hg-203



74

80-Hg-203

MAT 8046 MT= 65 (n,n') Level Legendre Coefficients 80-Hg-203

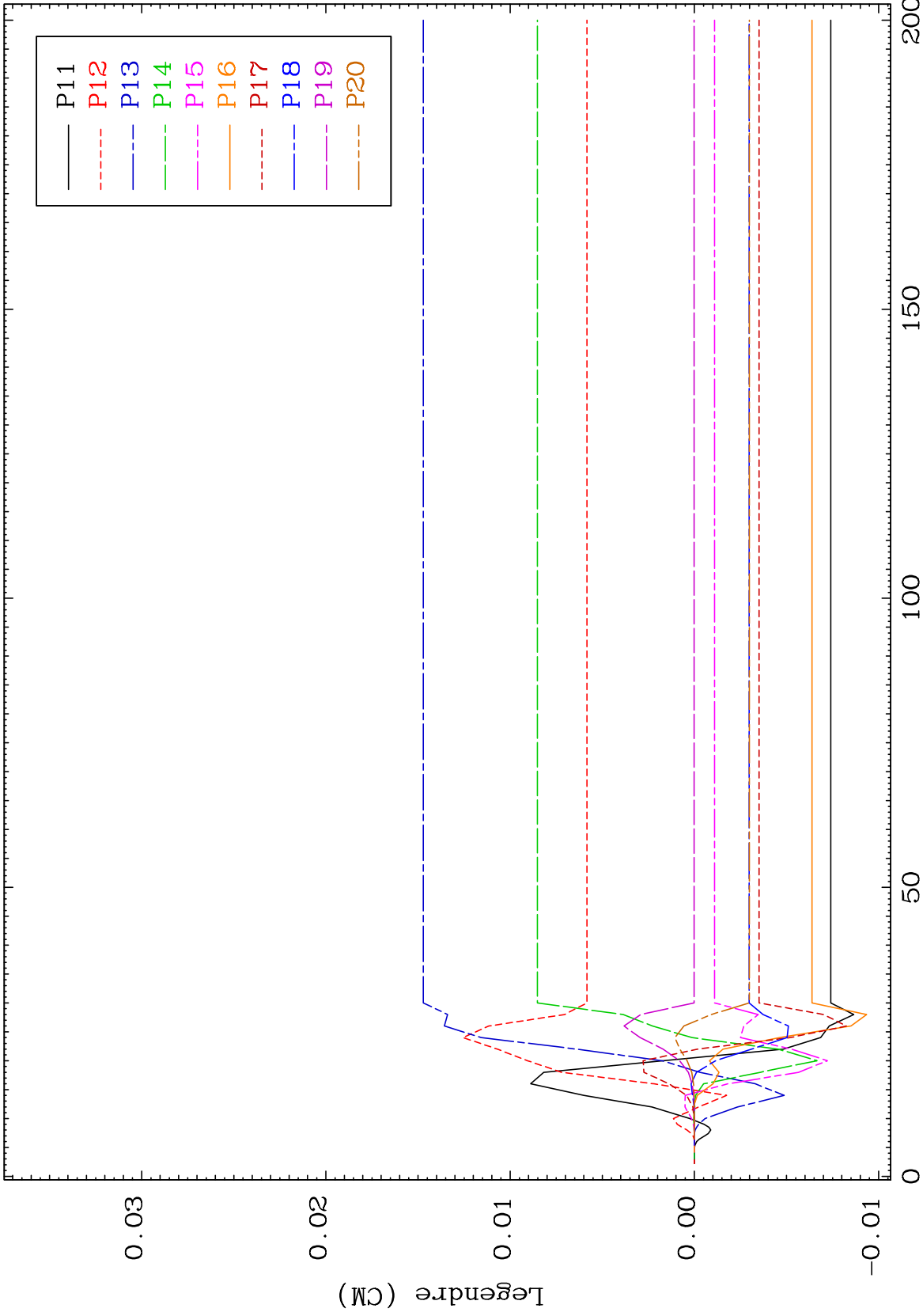


75 Incident Energy (MeV) 80-Hg-203

MAT 8046

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

80-Hg-203



76

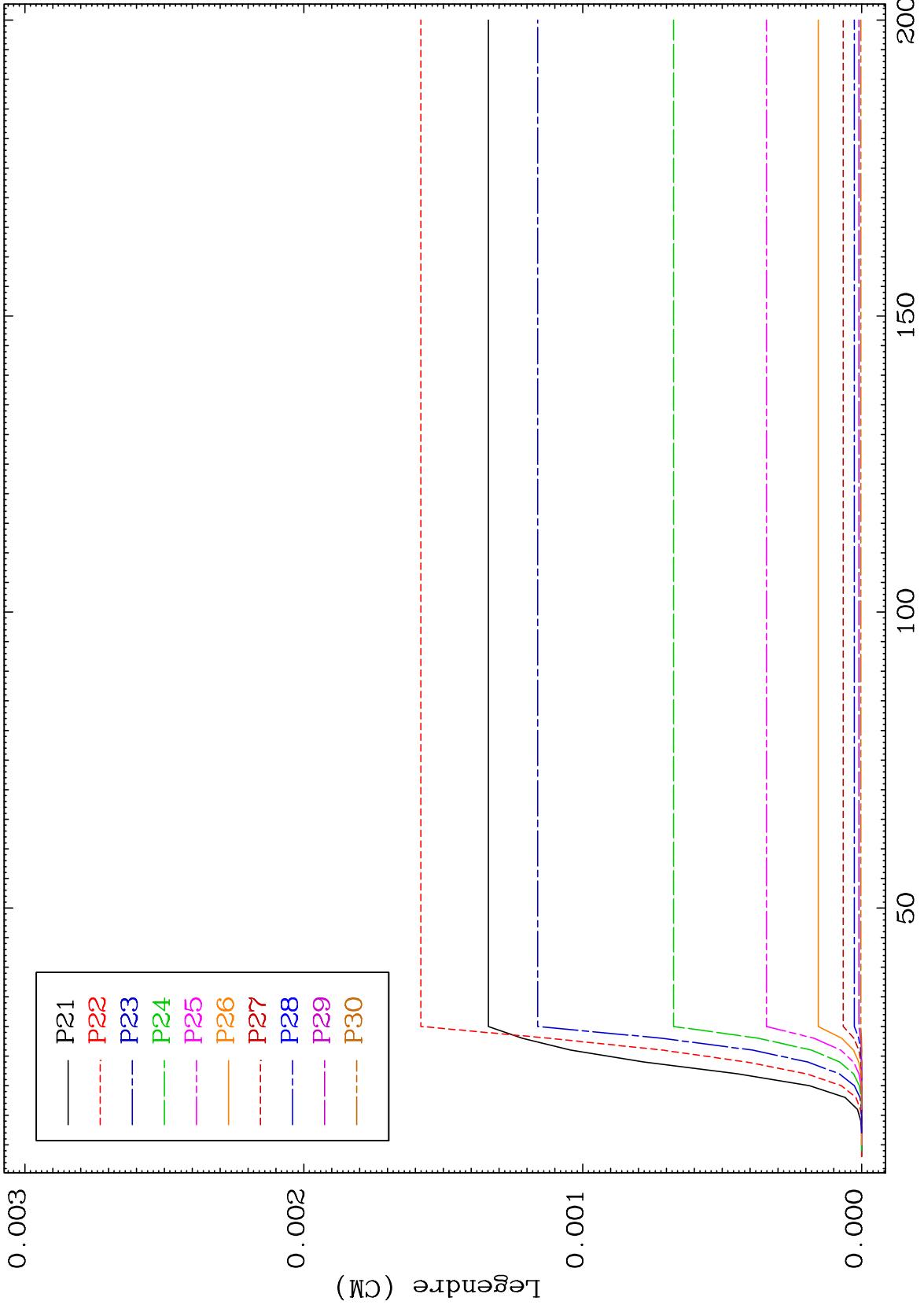
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

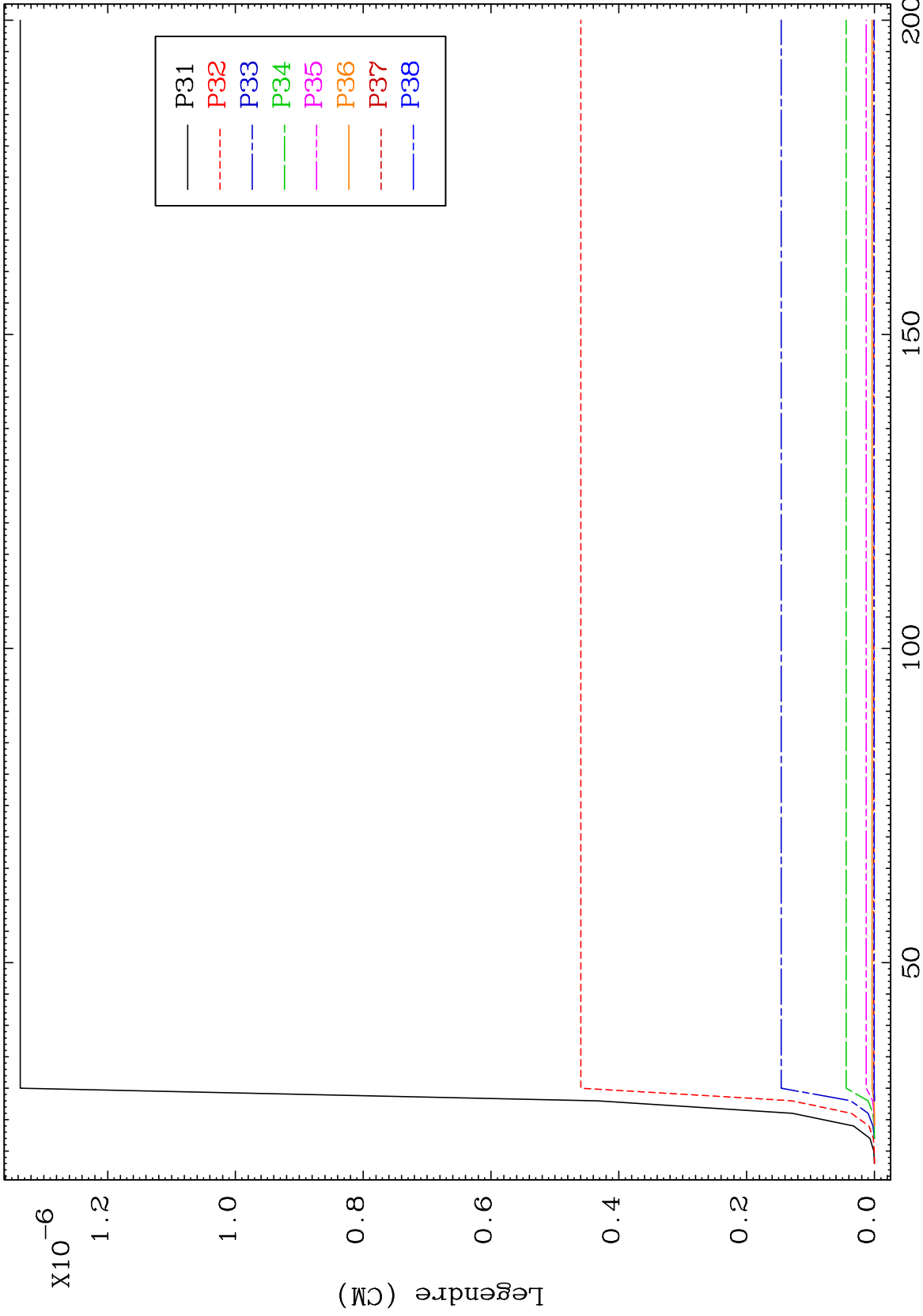
80-Hg-203



MAT 8046

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

80-Hg-203



78

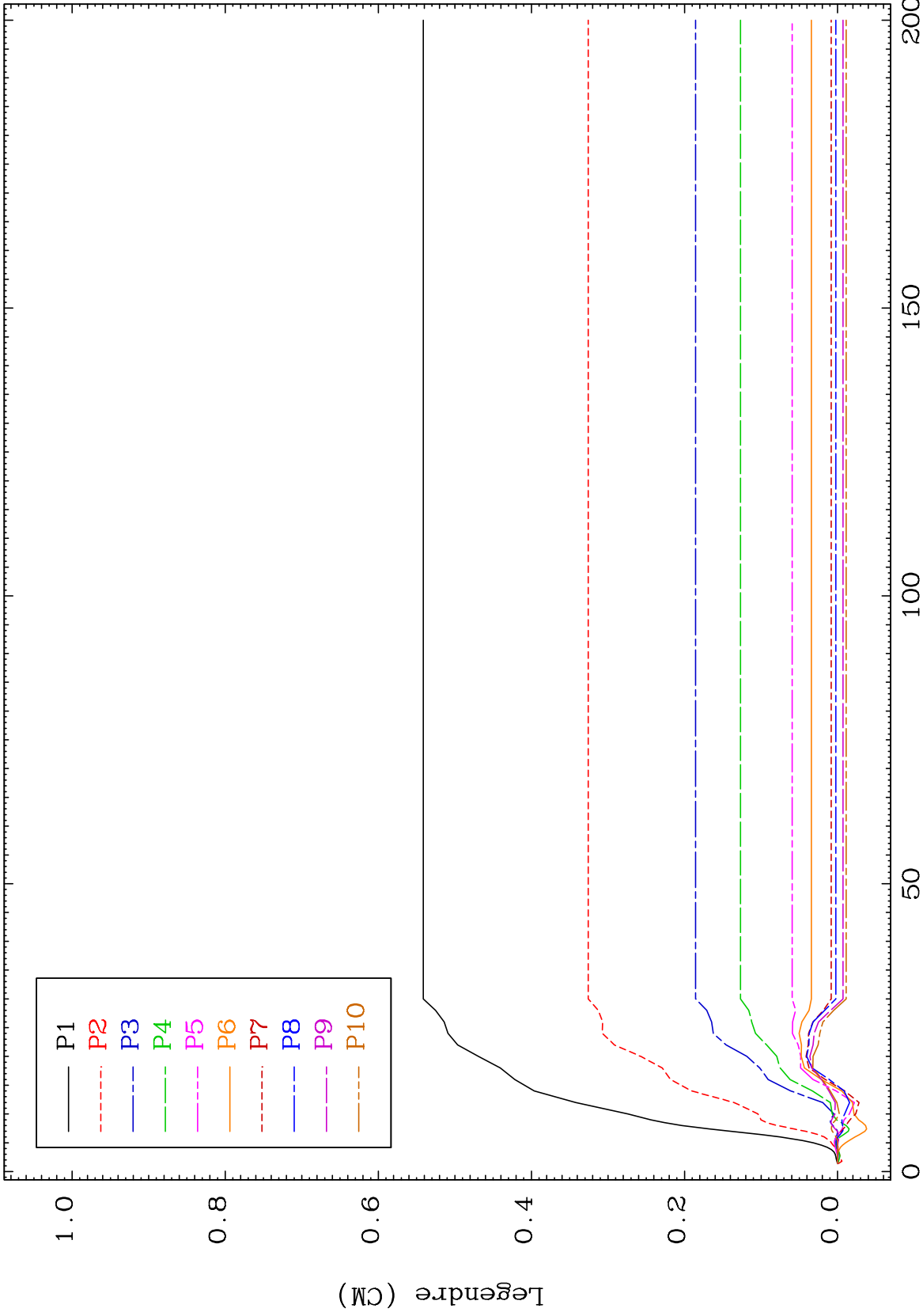
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



79

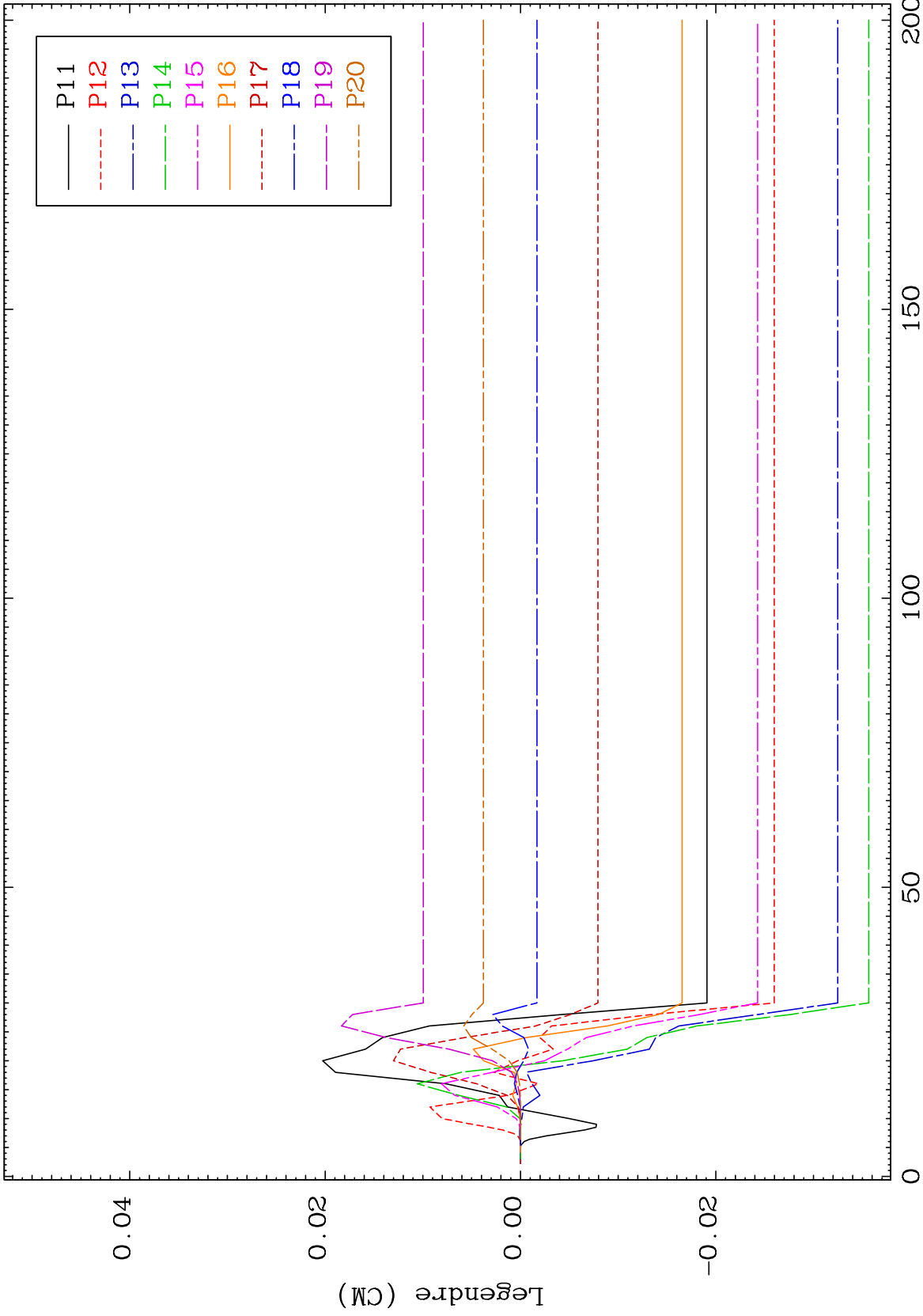
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



80

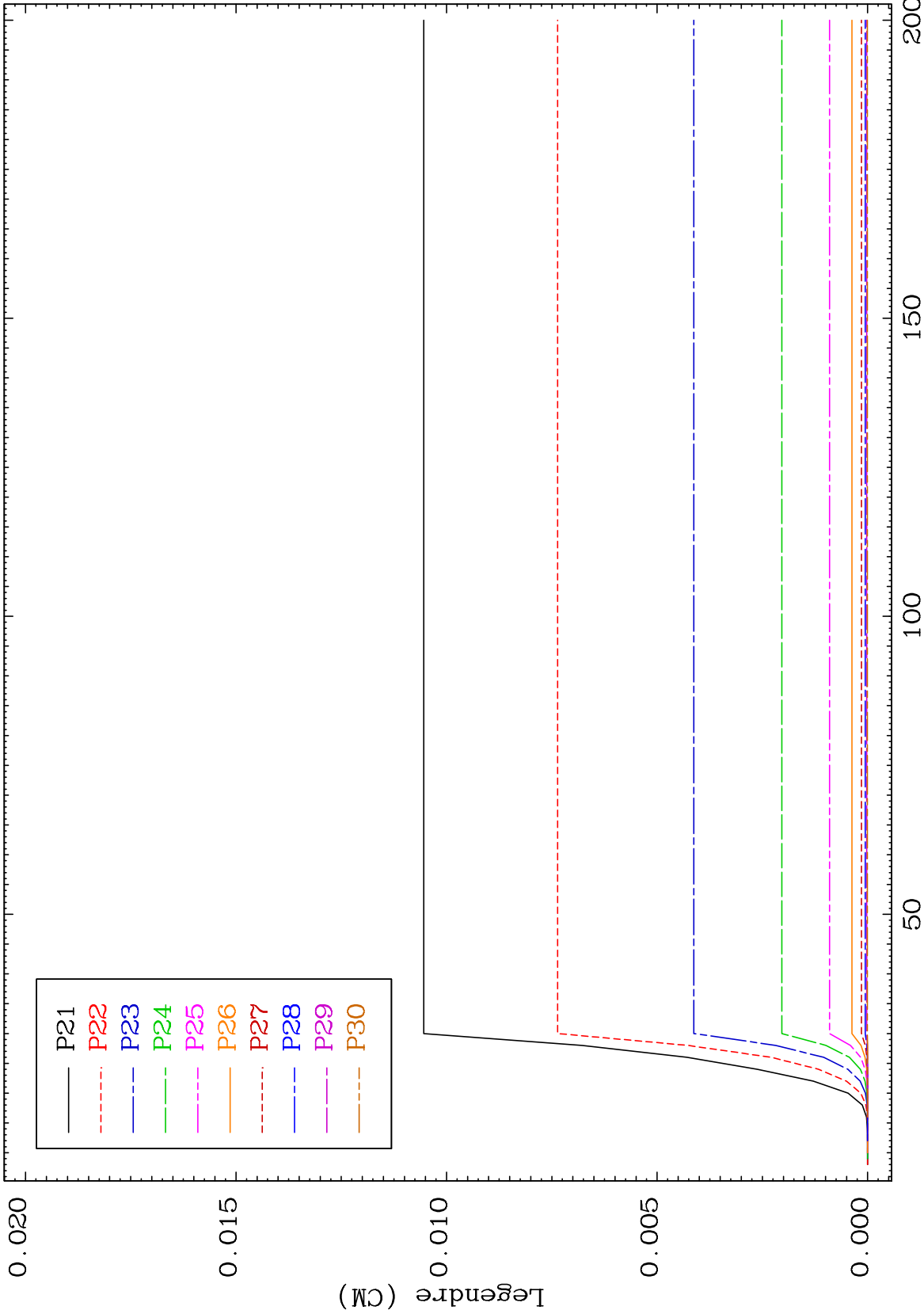
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

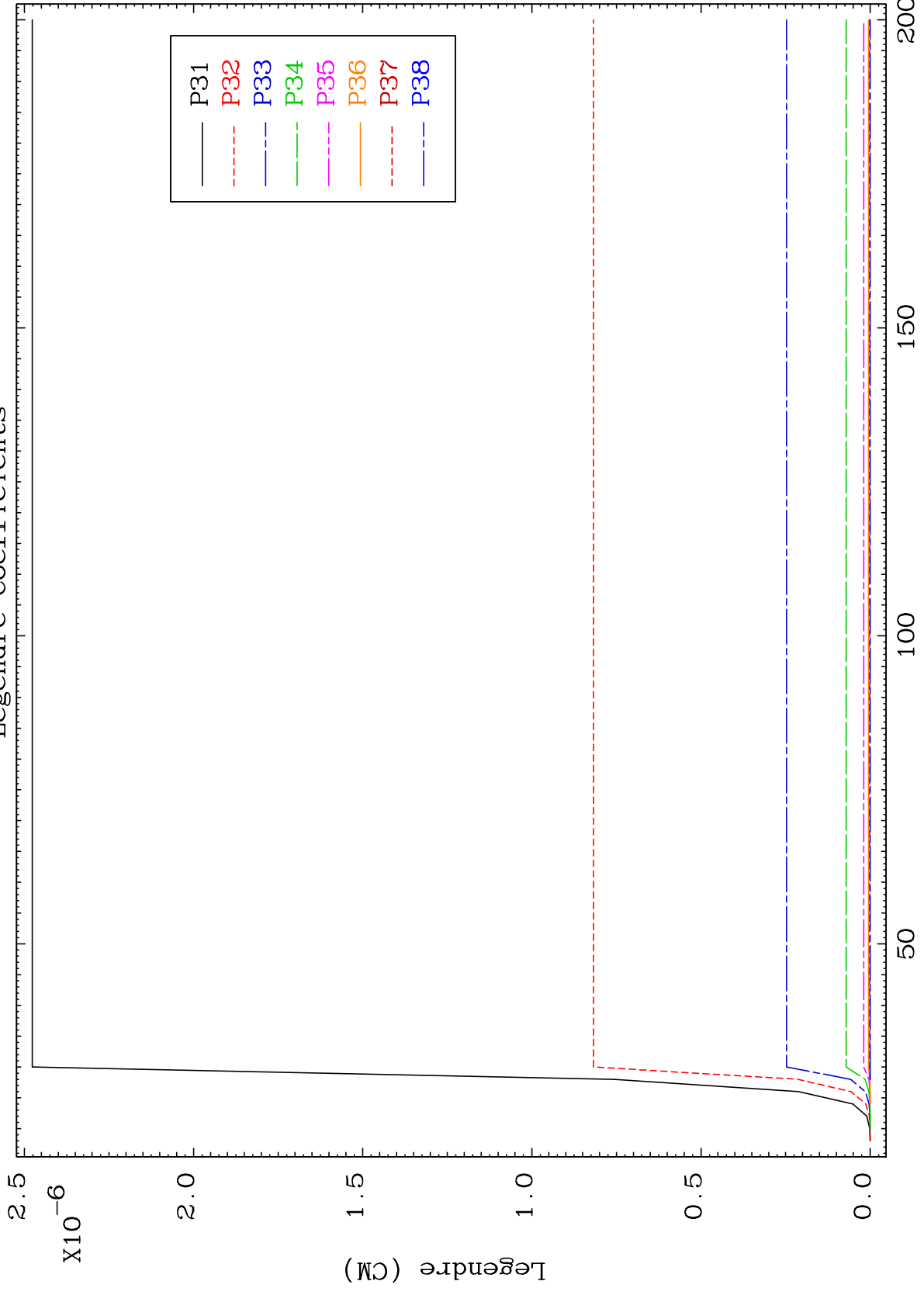
80-Hg-203



MAT 8046

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

80-Hg-203

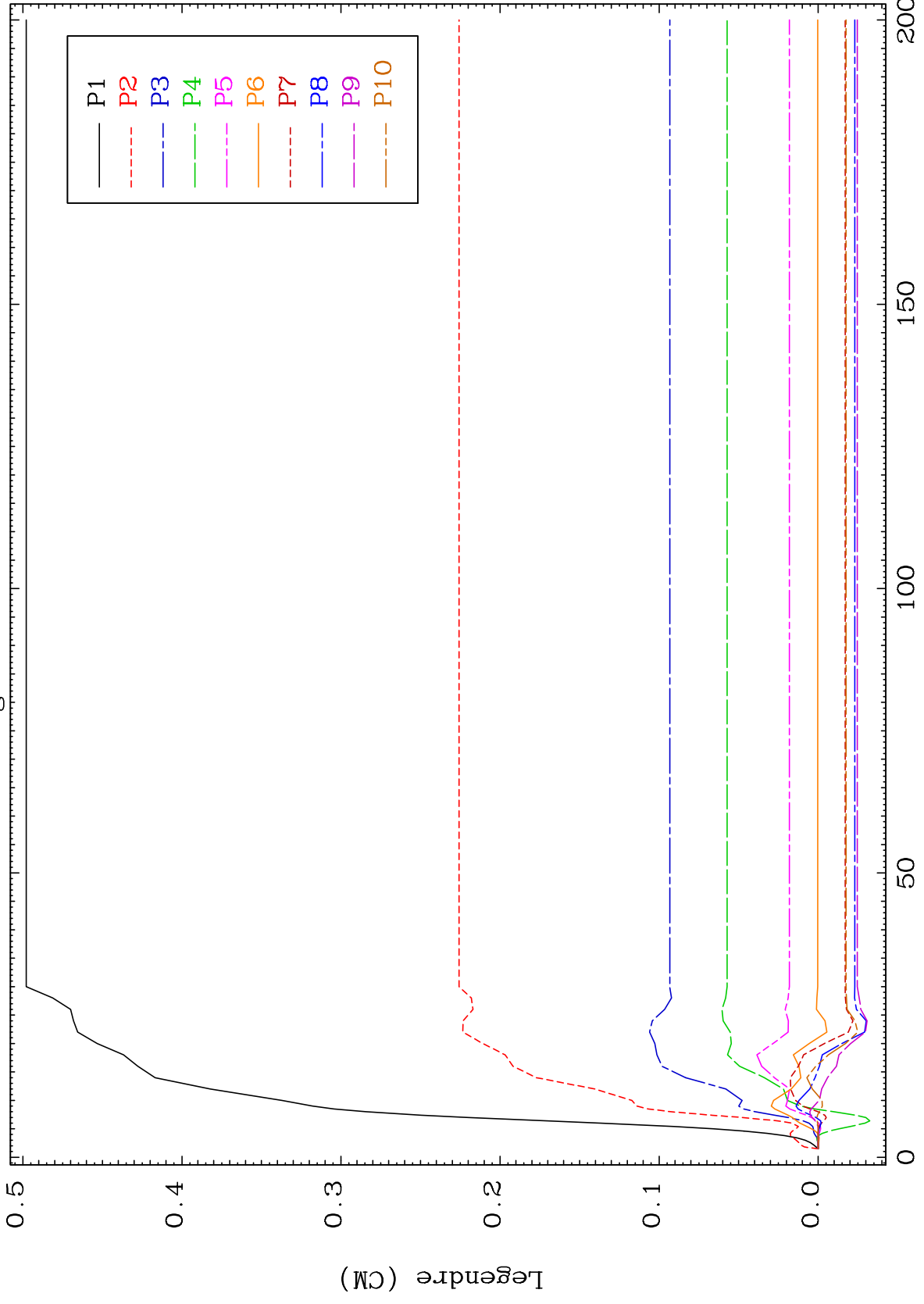


82

Incident Energy (MeV)

80-Hg-203

MAT 8046 MT= 67 (n,n') Level Legendre Coefficients 80-Hg-203

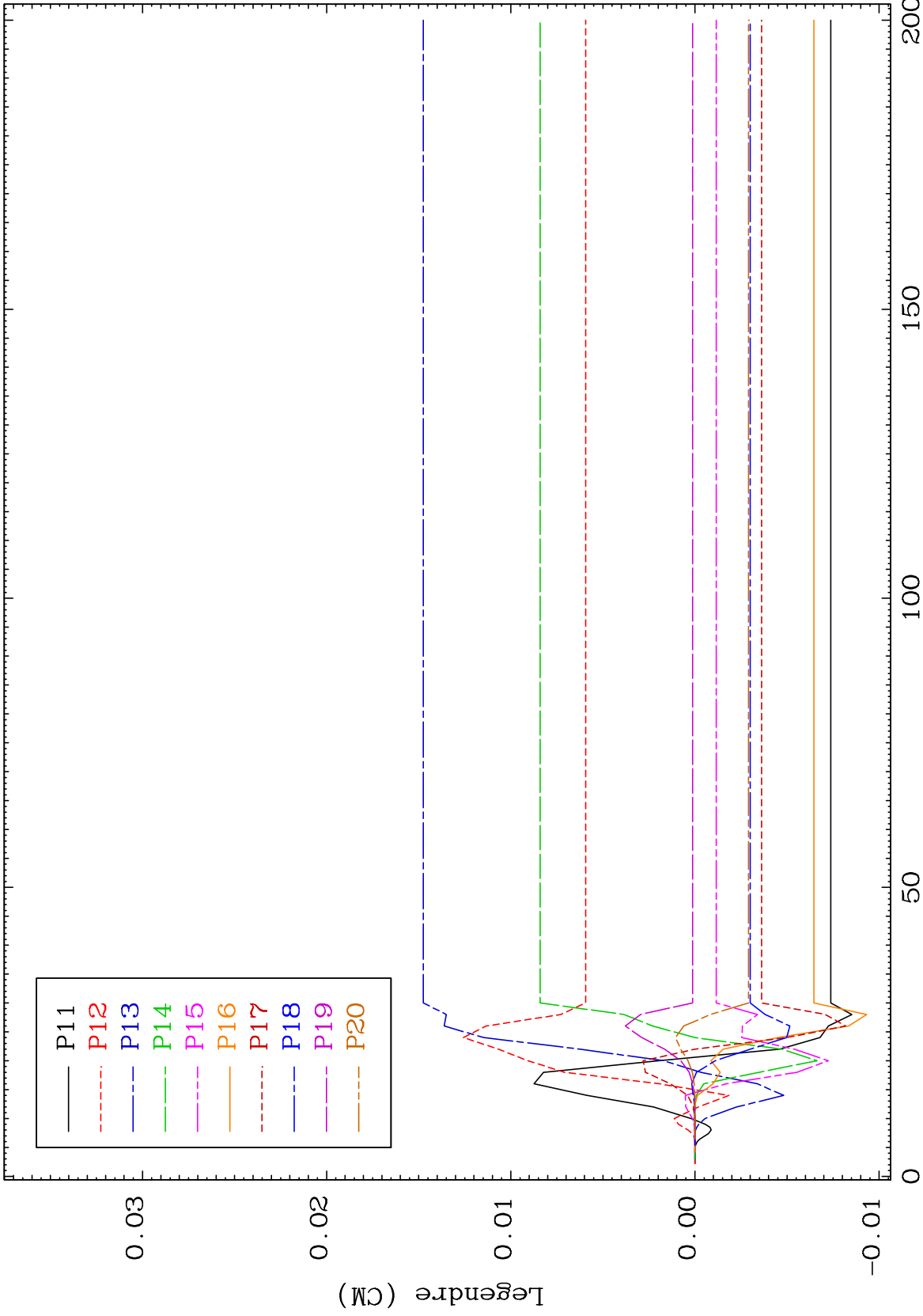


83 80-Hg-203

MAT 8046

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

80-Hg-203



84

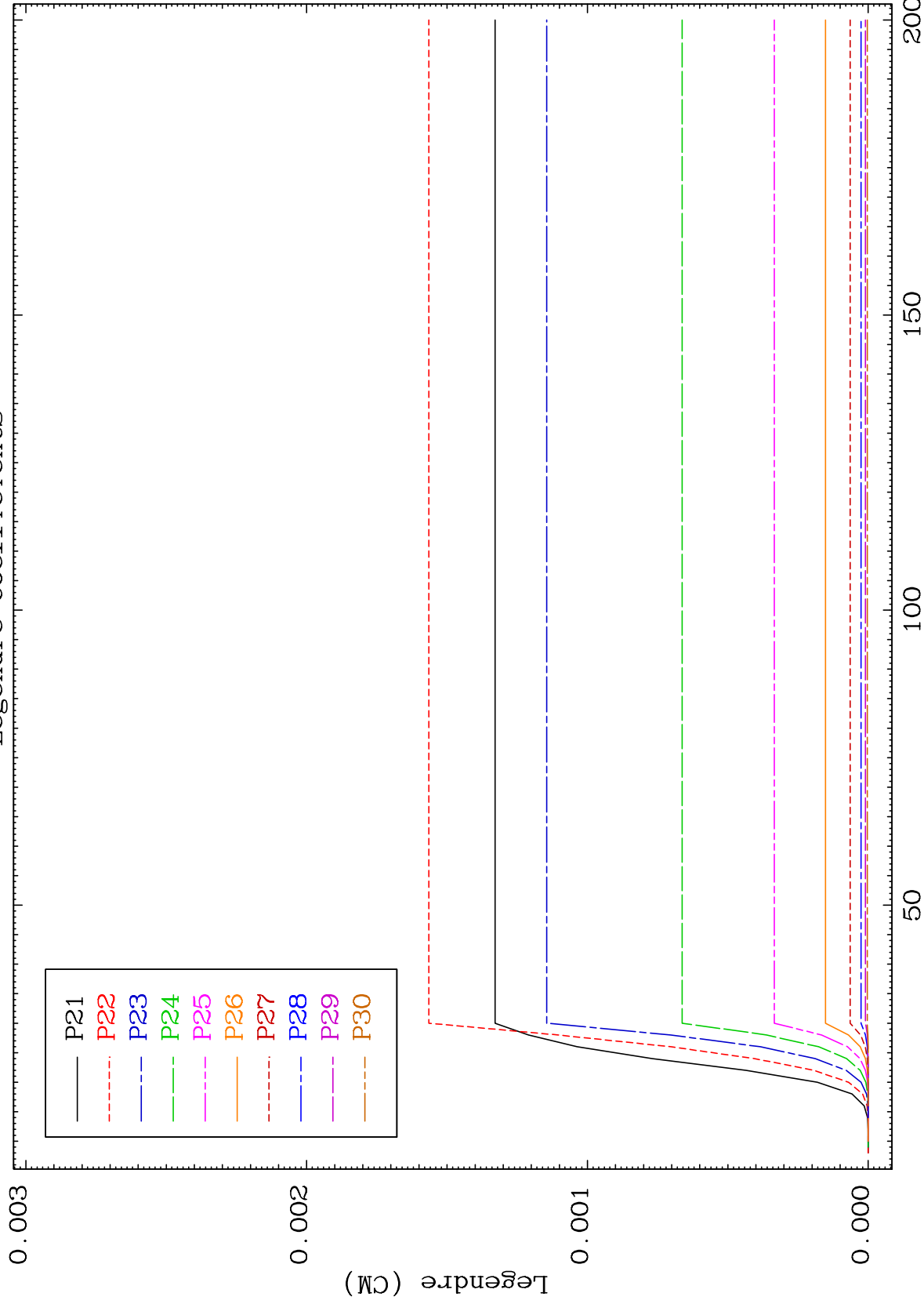
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



85

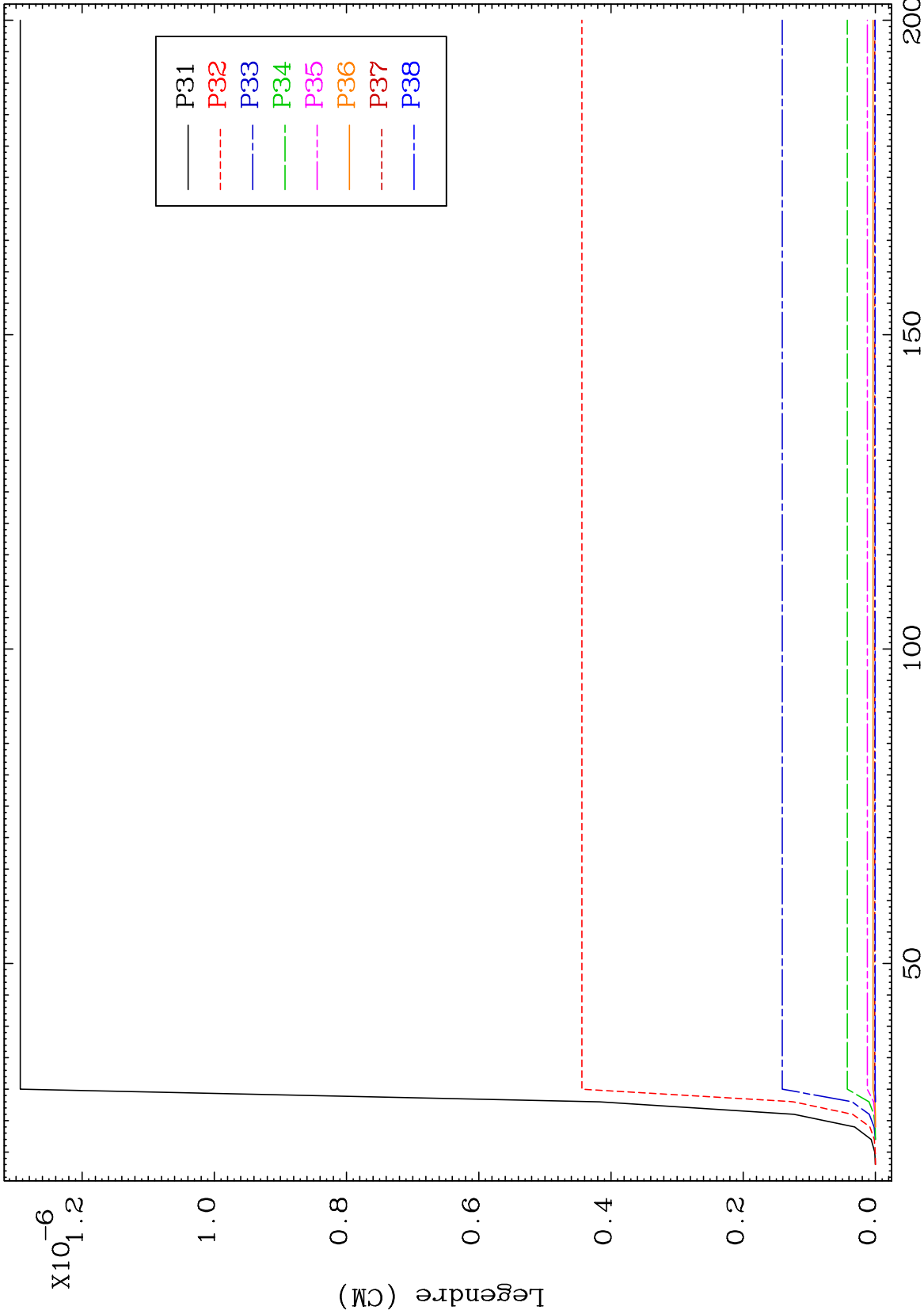
Incident Energy (MeV)

80-Hg-203

MAT 8046

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

80-Hg-203



86

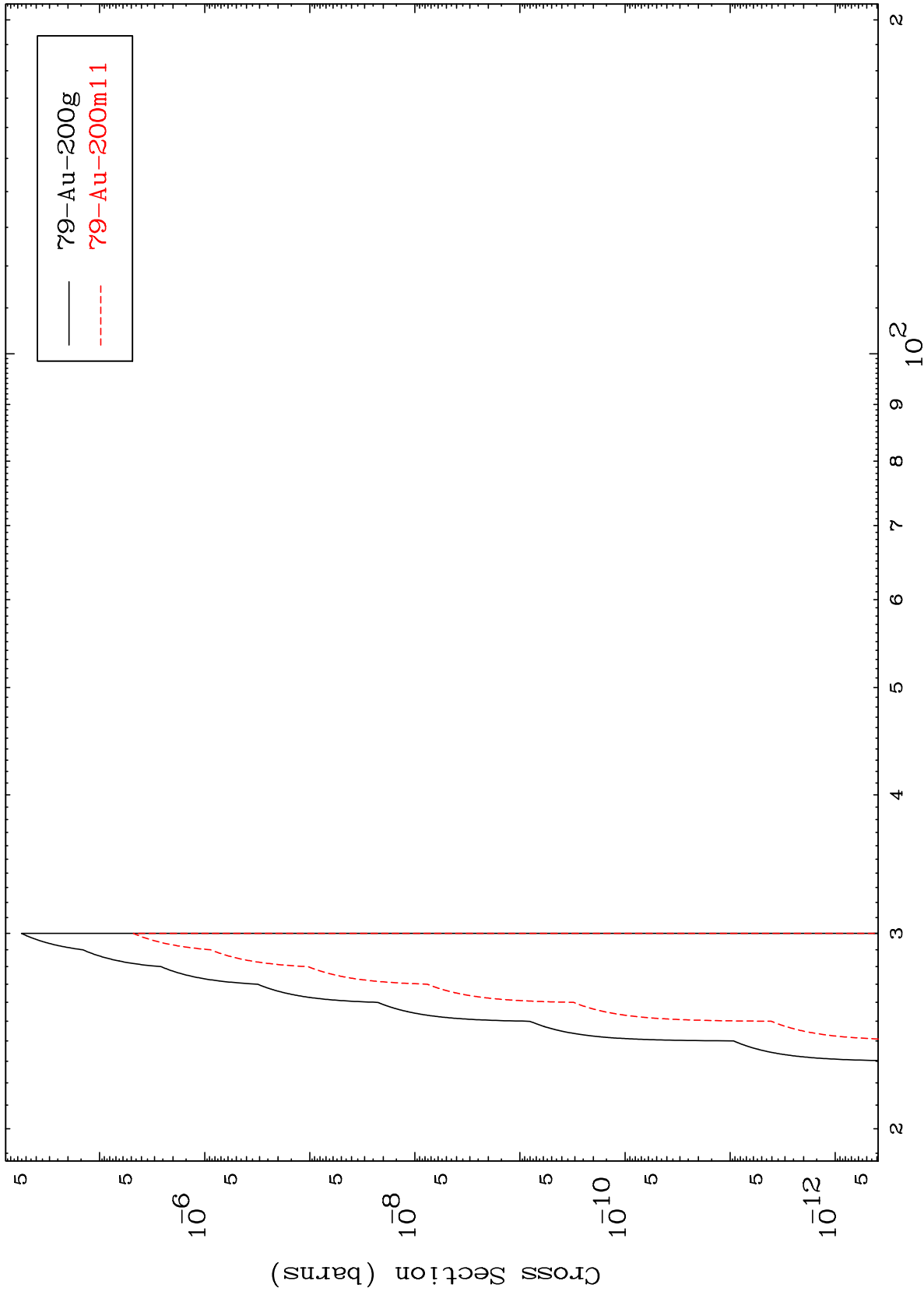
80-Hg-203

MAT 8046

(n,2n) d

80-Hg-203

Radionuclide Production Cross Section



87

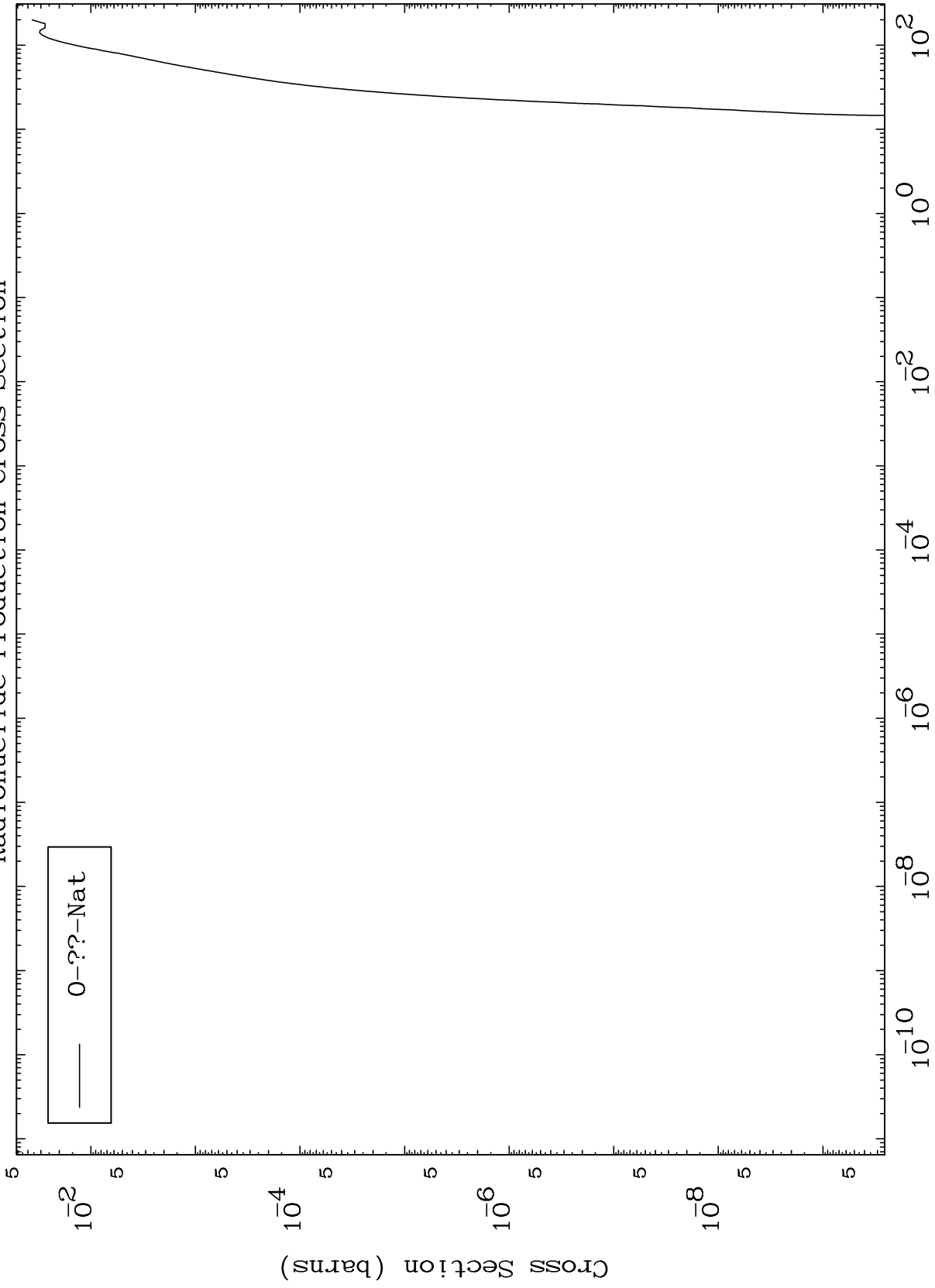
Incident Energy (MeV)

80-Hg-203

MAT 8046

Fission
Radionuclide Production Cross Section

80-Hg-203



88

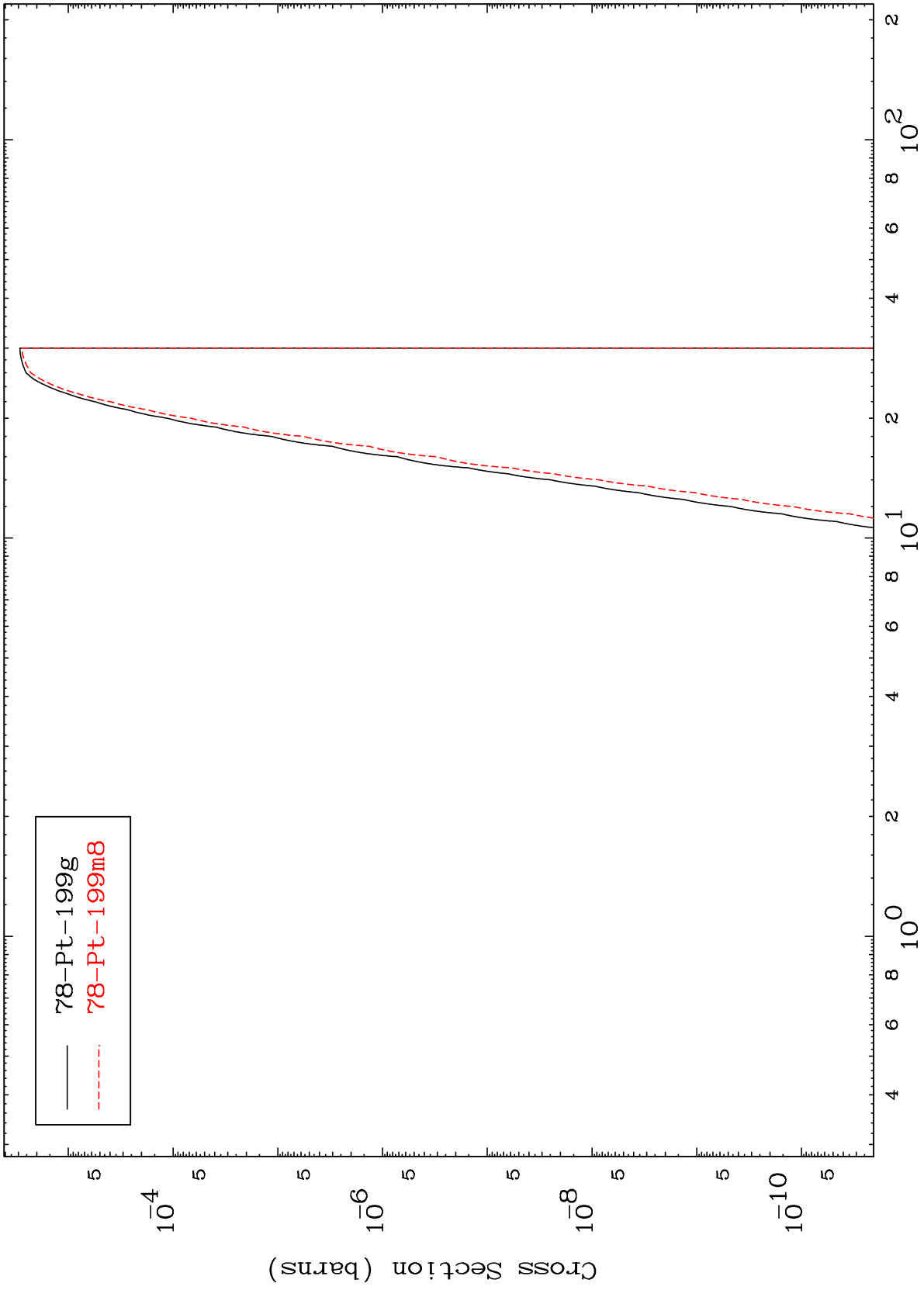
80-Hg-203

MAT 8046

(n,n') α

80-Hg-203

Radionuclide Production Cross Section



78-Pt-199g
78-Pt-199m8

89

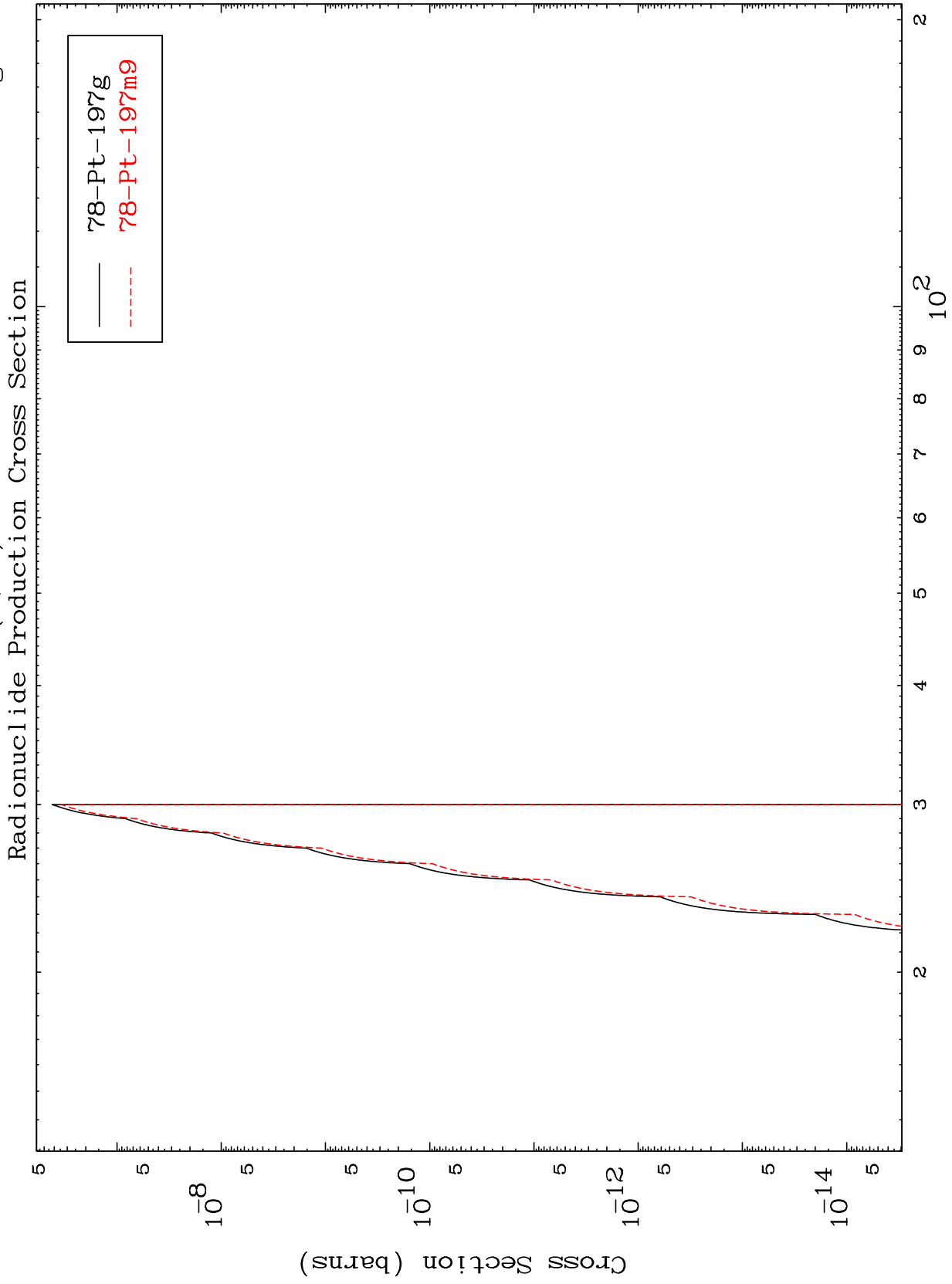
Incident Energy (MeV)

80-Hg-203

MAT 8046

(n,3n) α

80-Hg-203



90

Incident Energy (MeV)

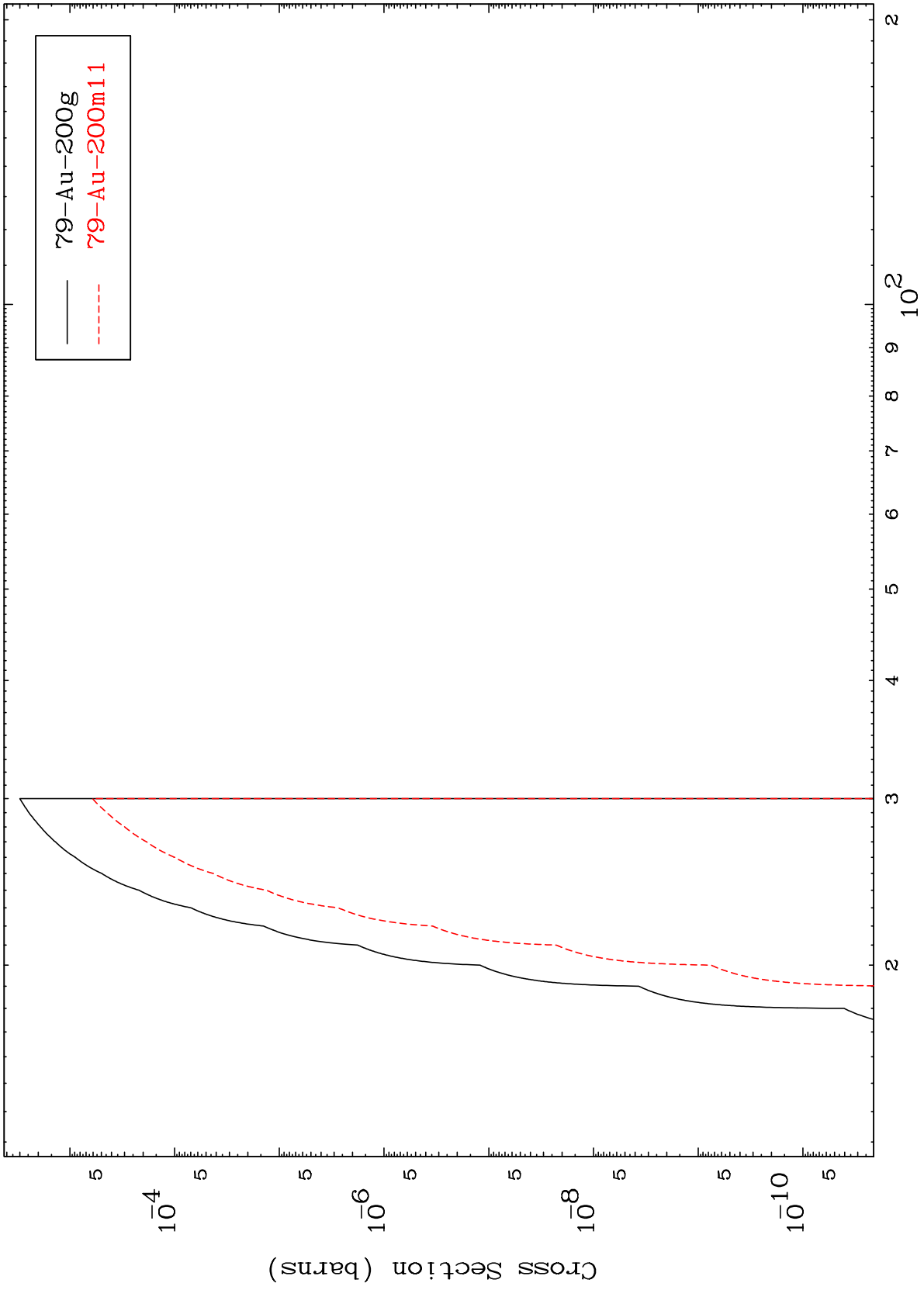
80-Hg-203

MAT 8046

(n,n') t

80-Hg-203

Radionuclide Production Cross Section



91

Incident Energy (MeV)

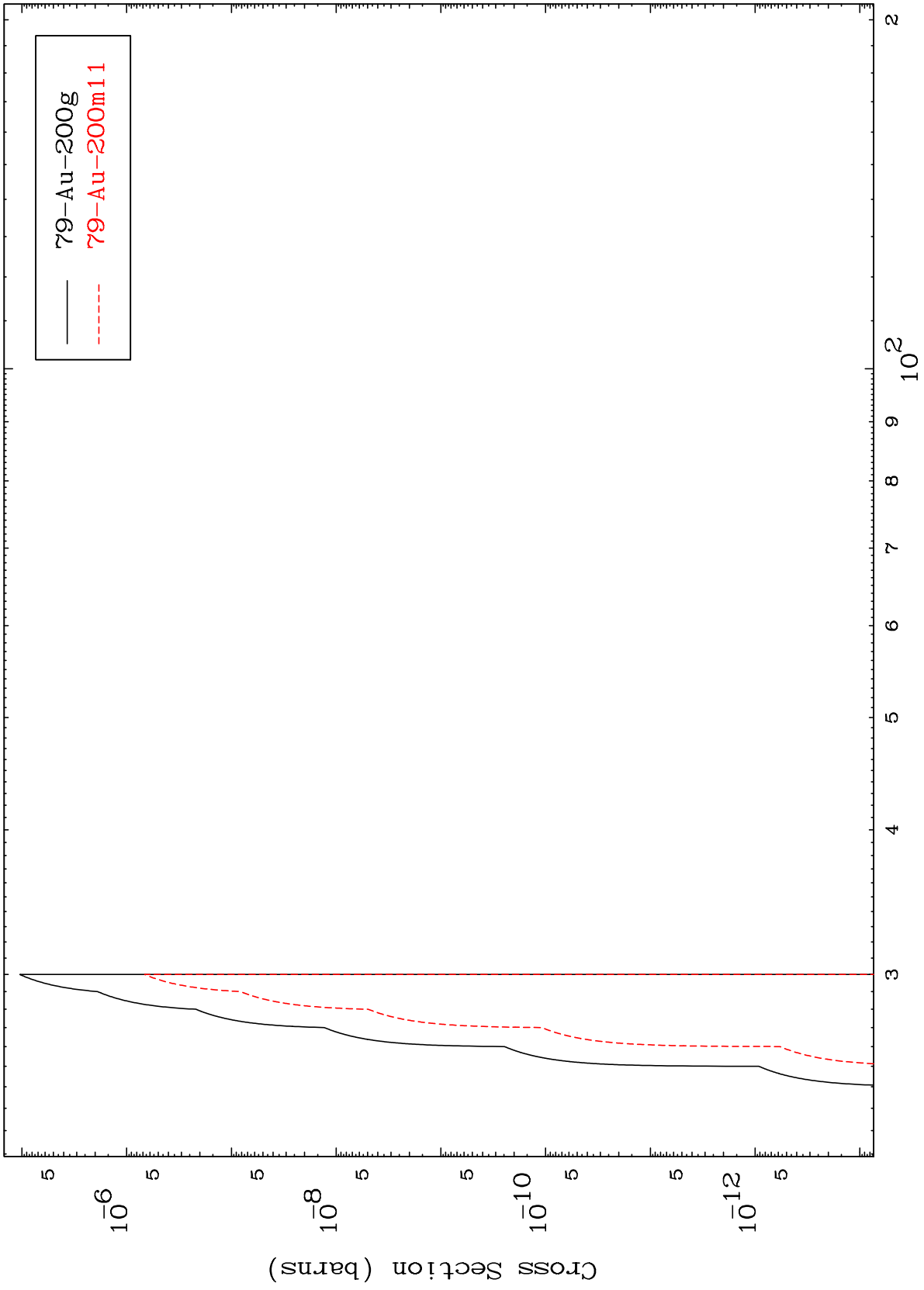
80-Hg-203

MAT 8046

(n,3n) p

80-Hg-203

Radionuclide Production Cross Section



92

Incident Energy (MeV)

80-Hg-203