

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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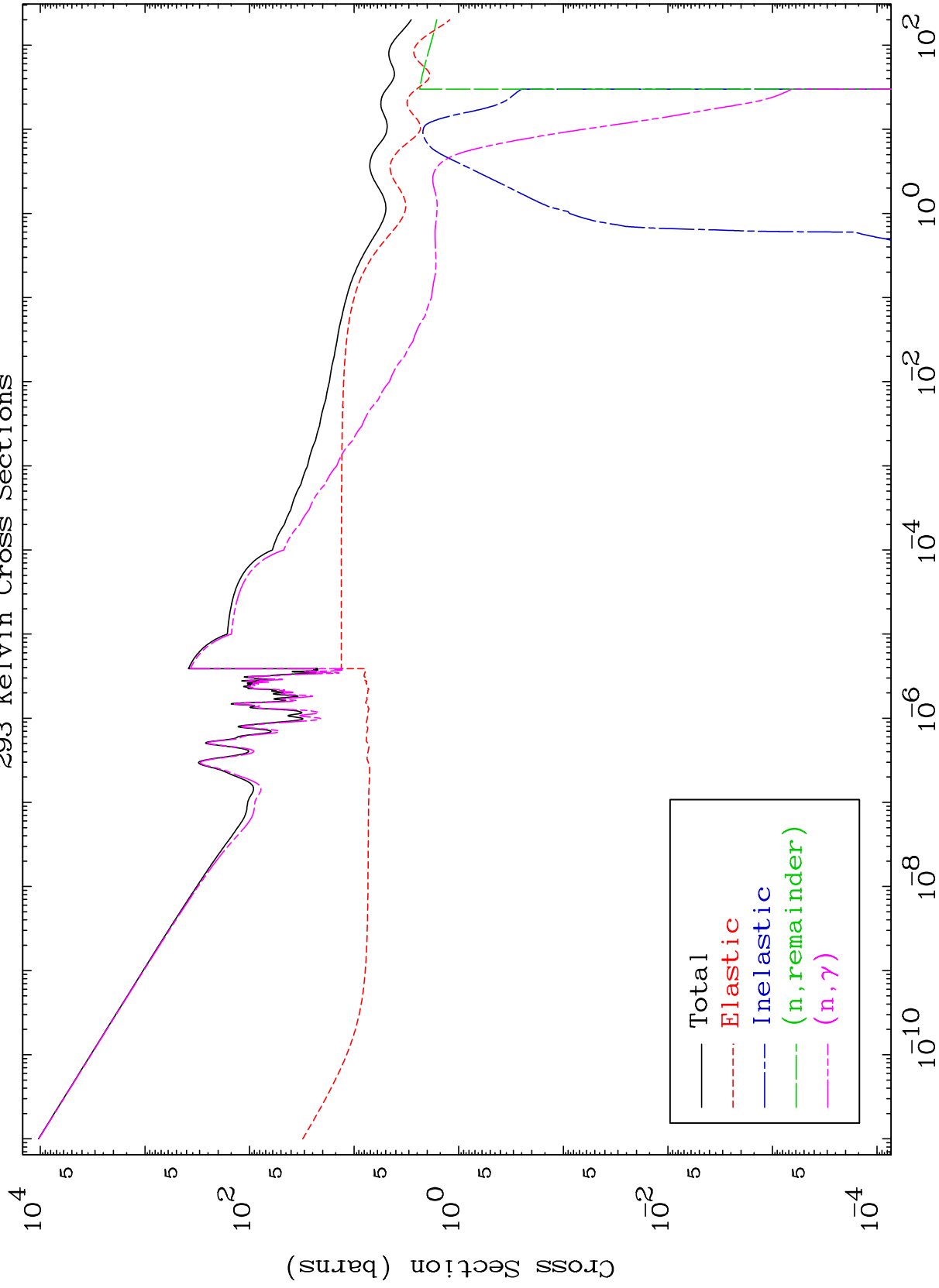
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8186

Major  
293 Kelvin Cross Sections

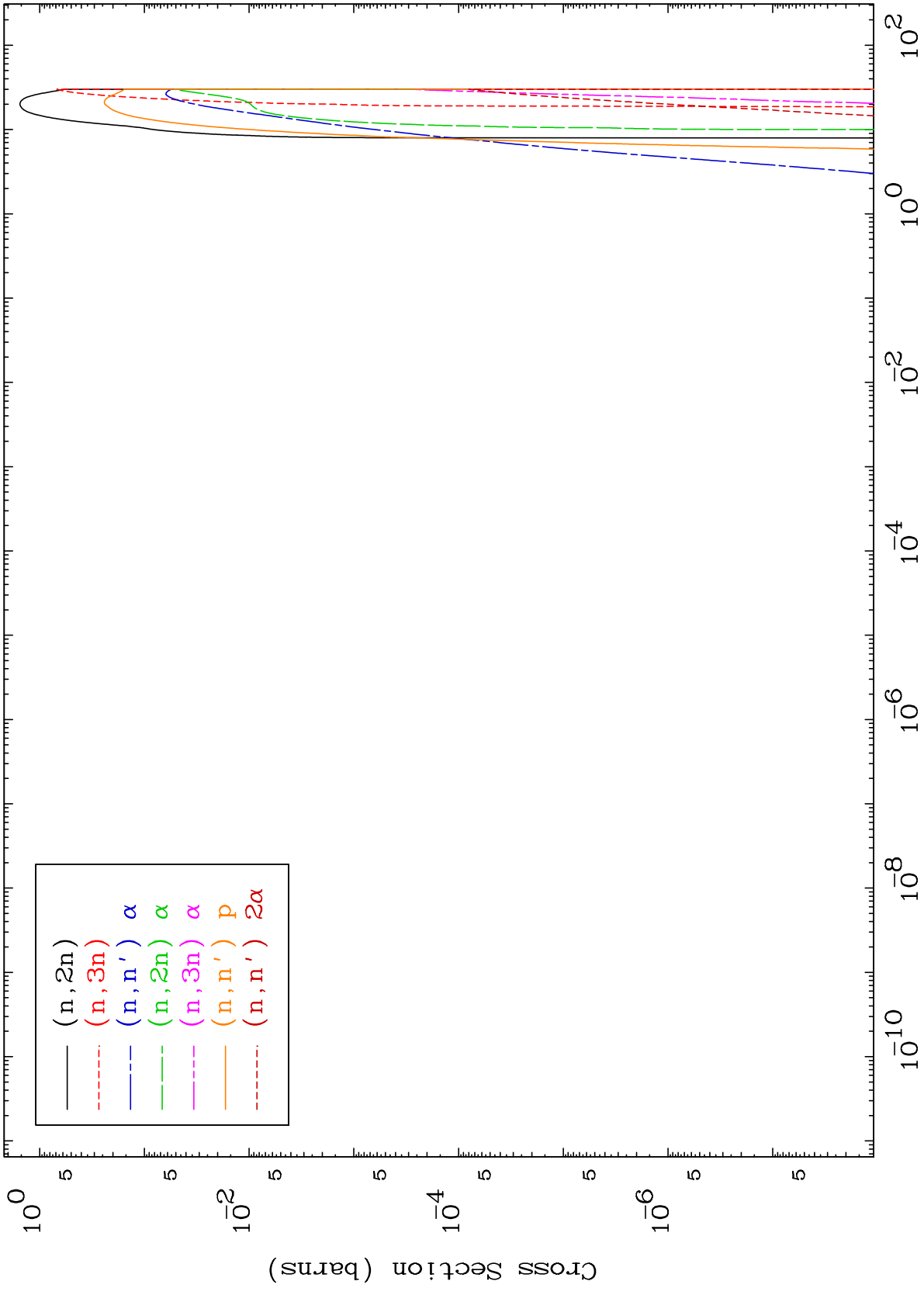
82-Pb-191



MAT 8186

Neutron Production  
293 Kelvin Cross Sections

82-Pb-191

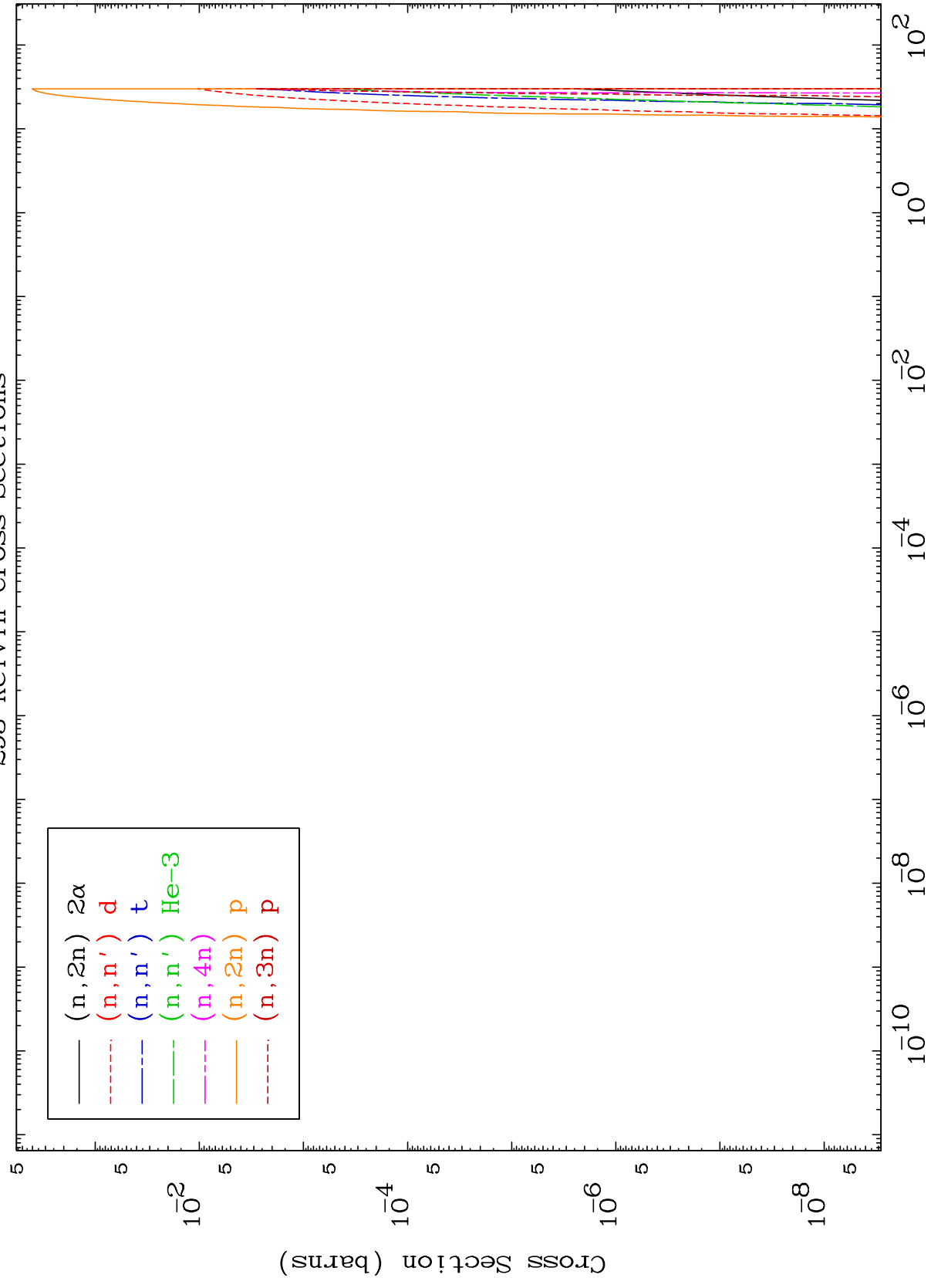


82-Pb-191

MAT 8186

Neutron Production  
293 Kelvin Cross Sections

82-Pb-191

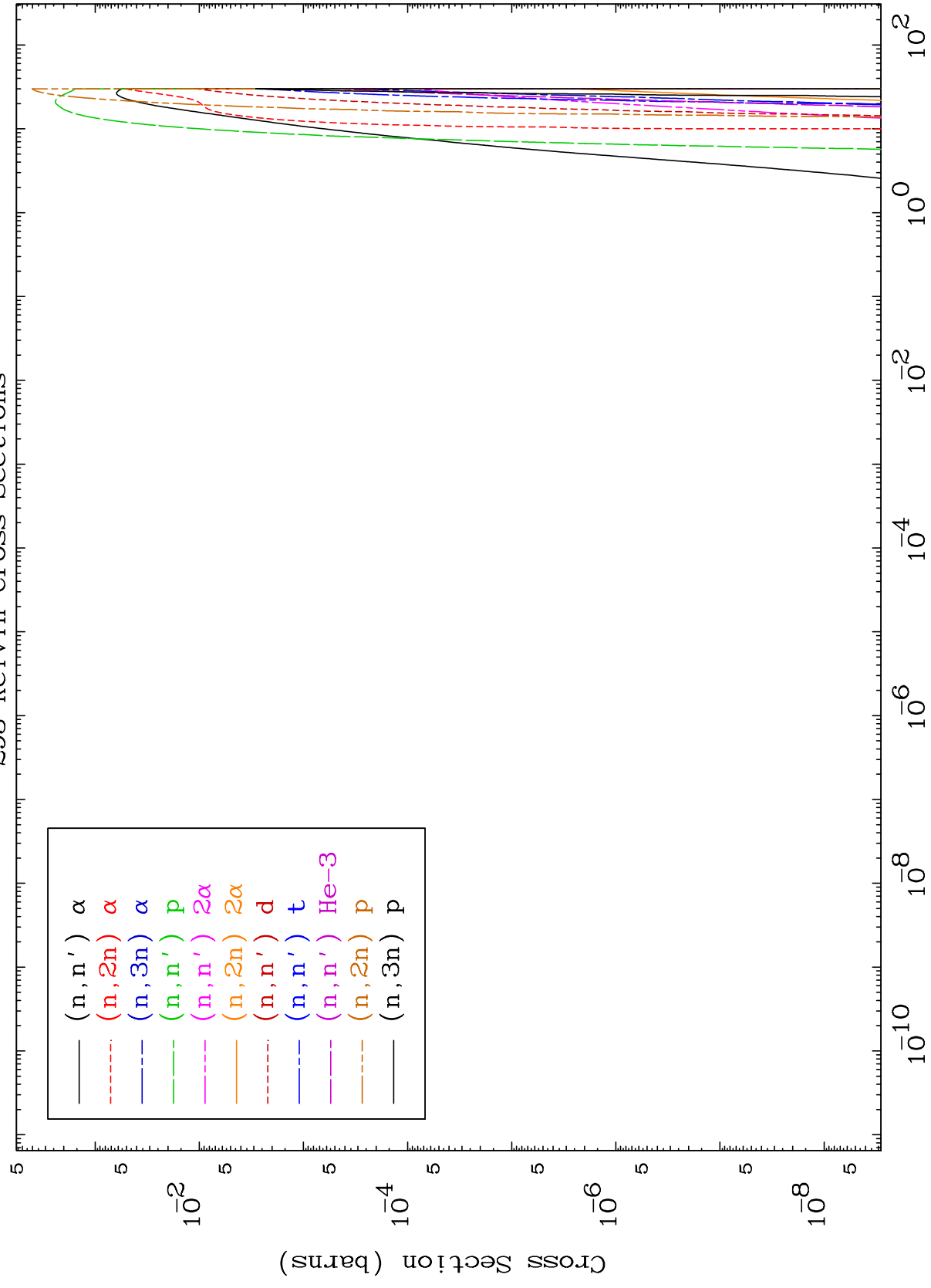


82-Pb-191

MAT 8186

Charged Particle  
293 Kelvin Cross Sections

82-Pb-191



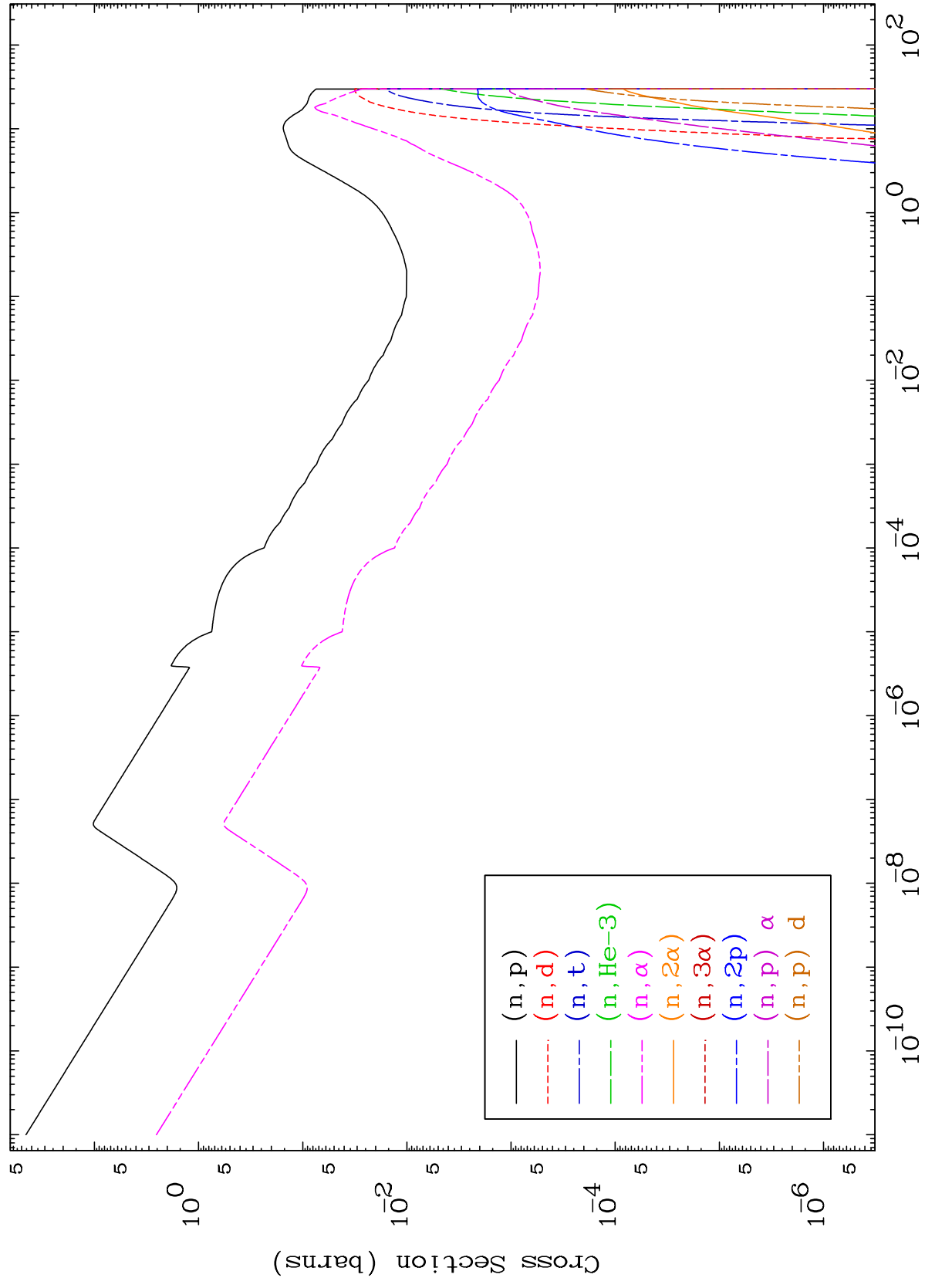
82-Pb-191

Incident Energy (MeV)

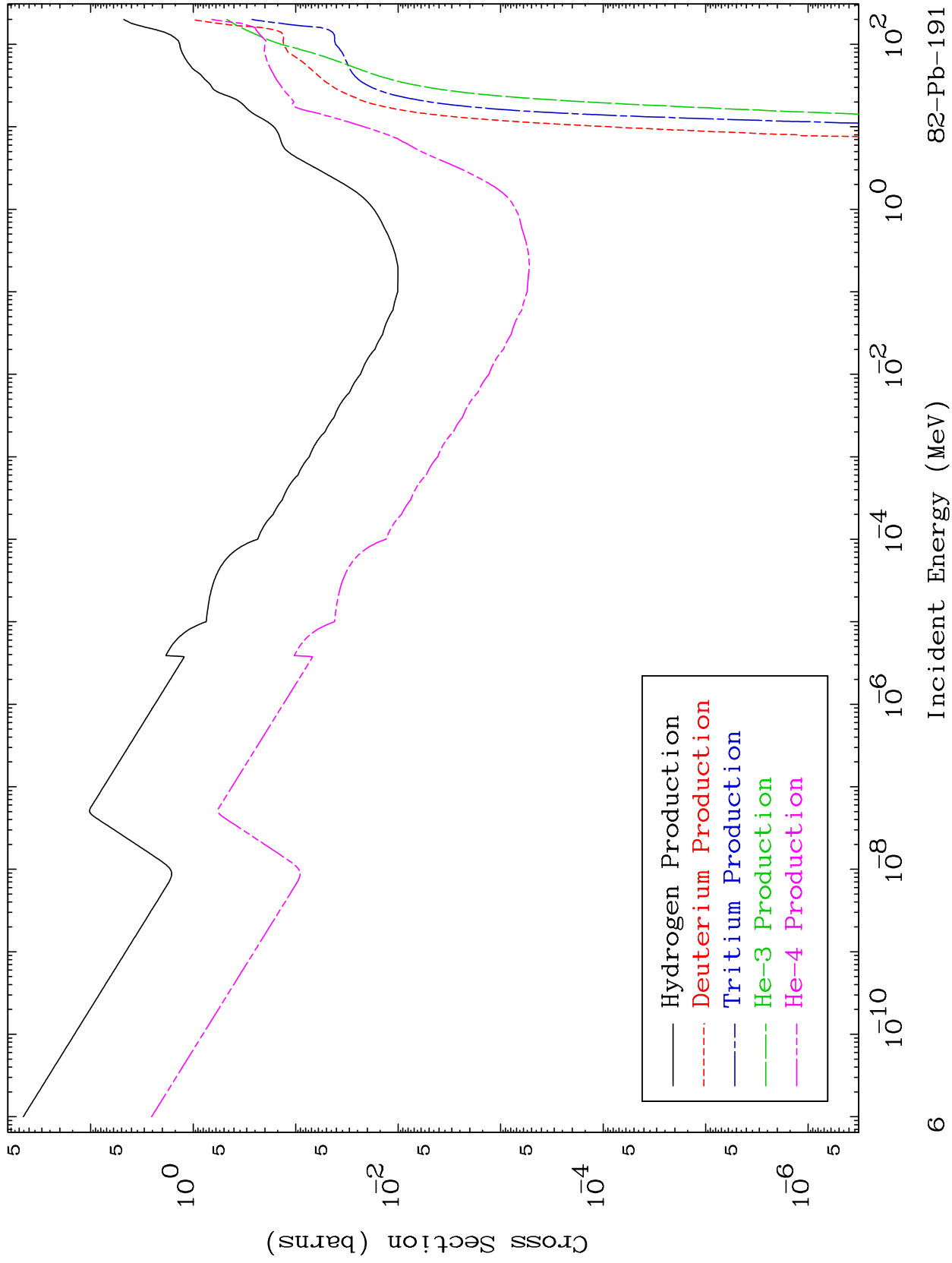
MAT 8186

293 Kelvin Cross Sections

82-Pb-191



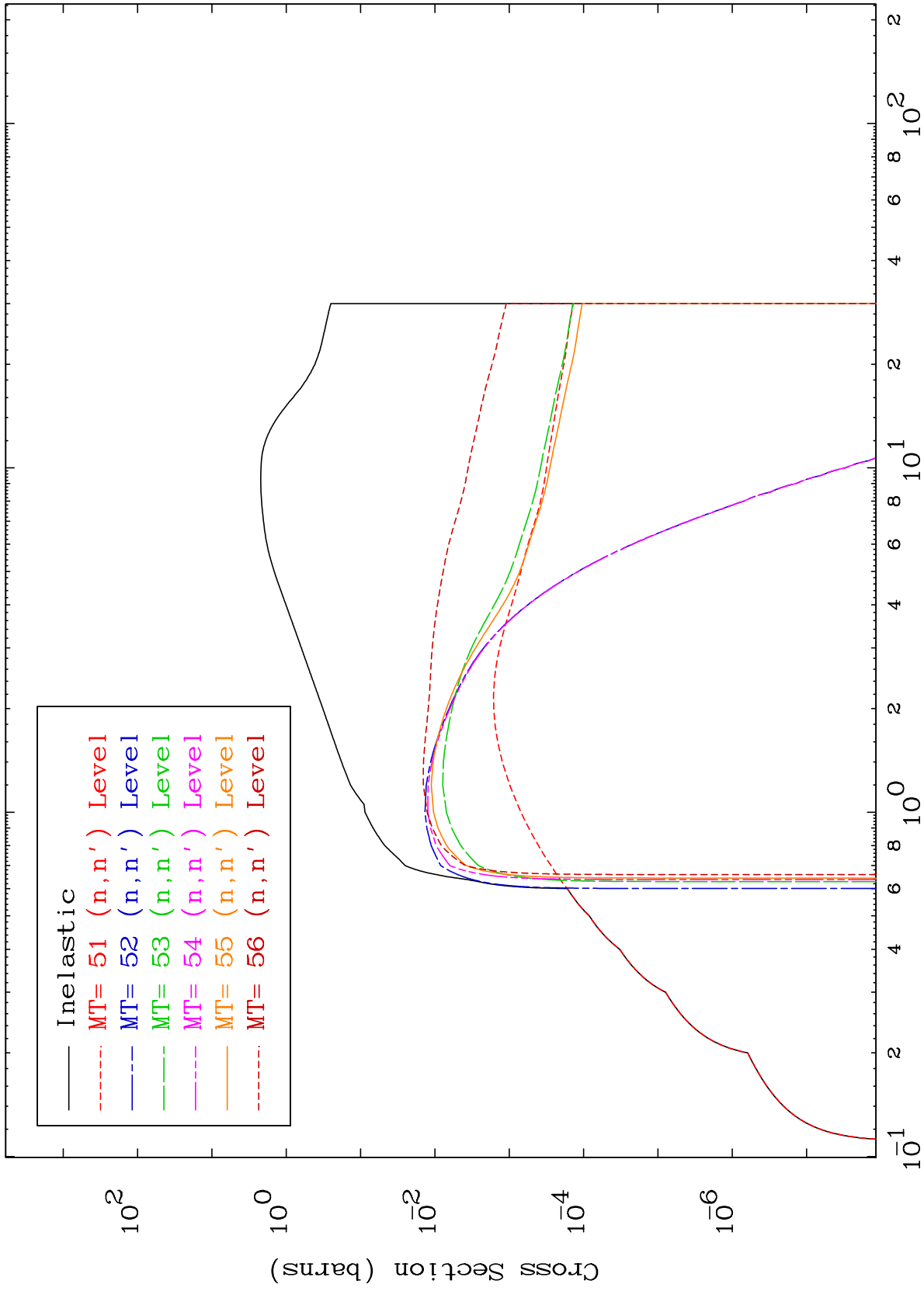
82-Pb-191



MAT 8186

(n,n') Level  
293 Kelvin Cross Sections

82-Pb-191



Incident Energy (MeV)

82-Pb-191

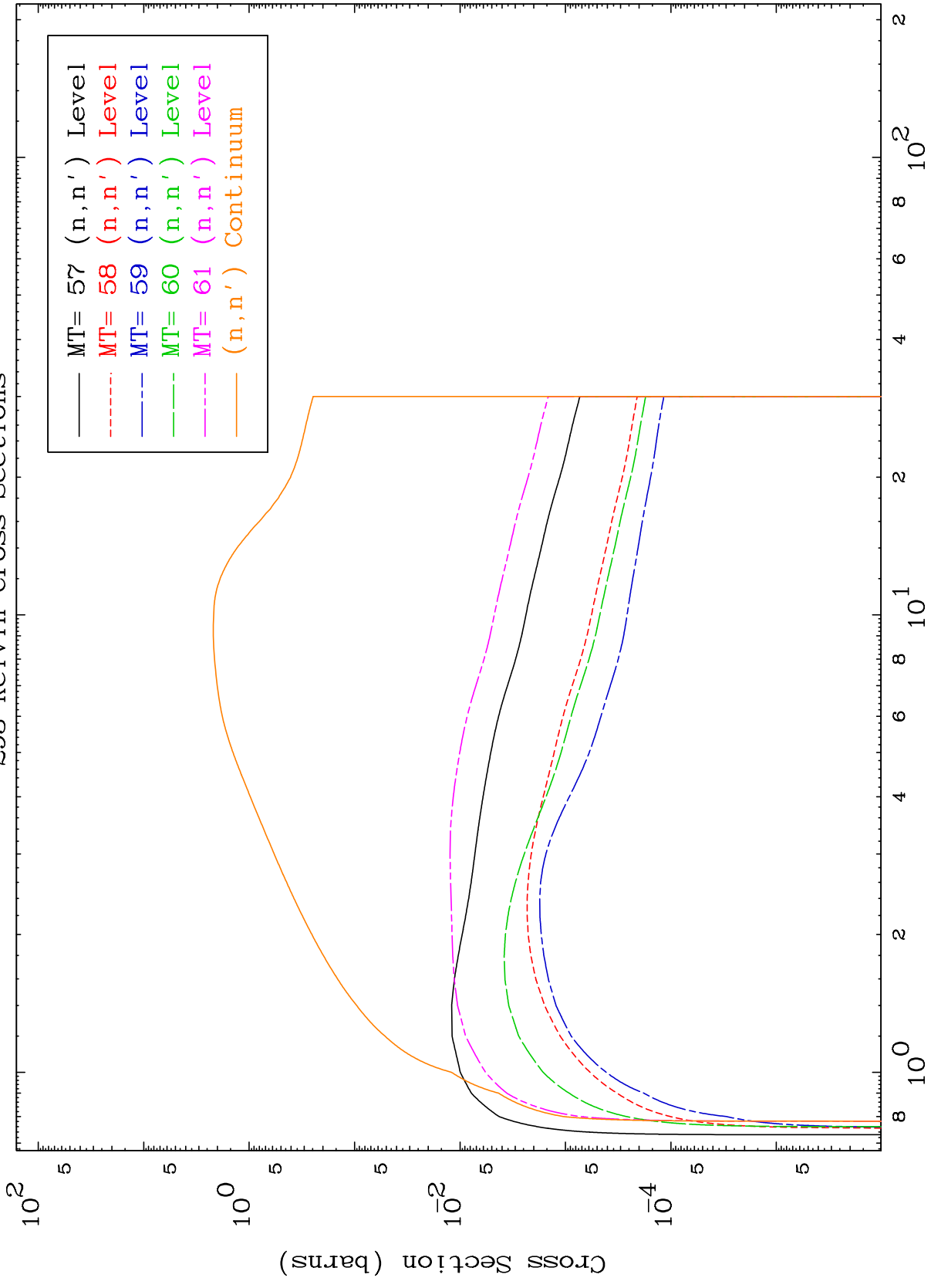


MAT 8186

(n,n') Level

82-Pb-191

293 Kelvin Cross Sections



8

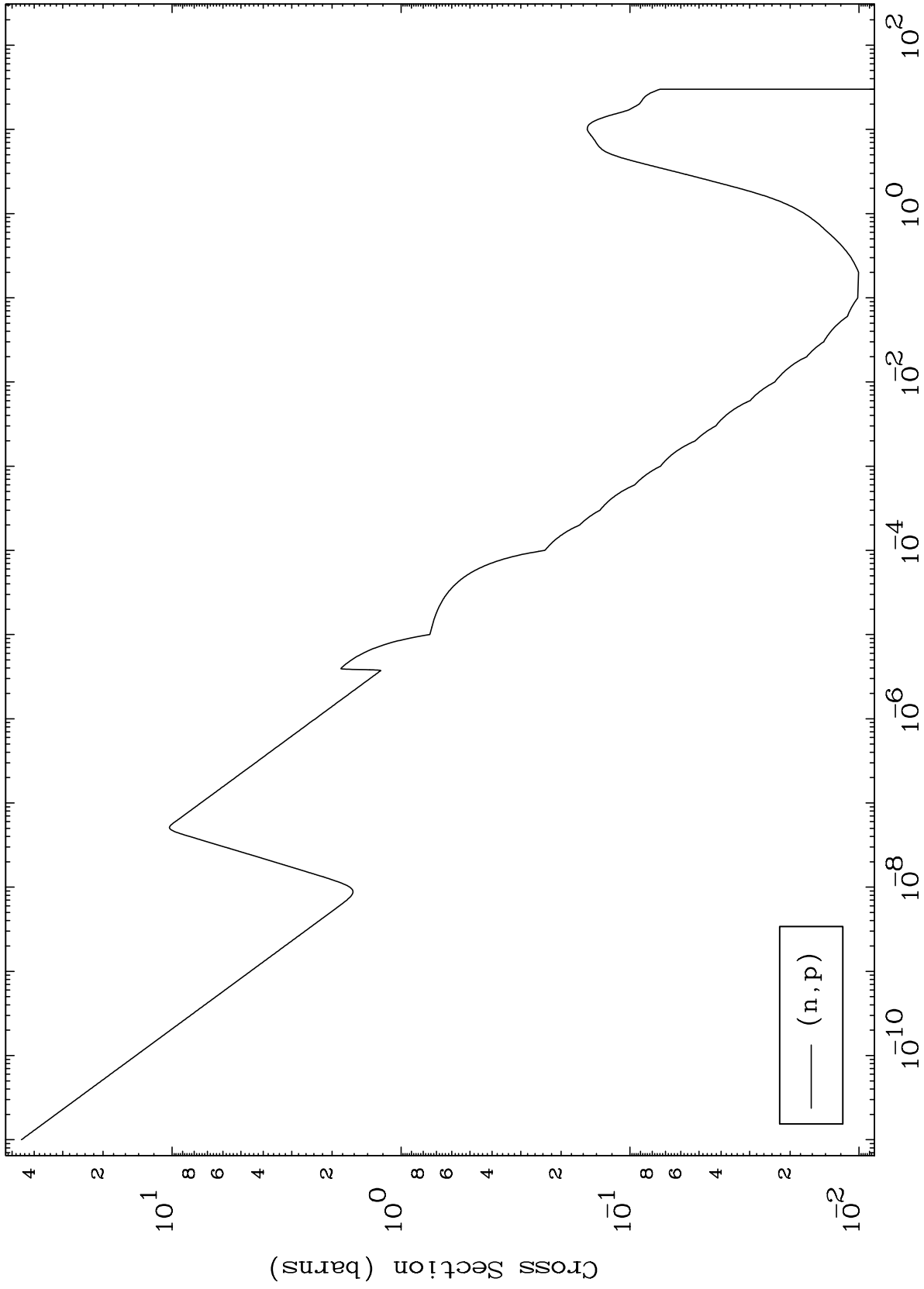
Incident Energy (MeV)

82-Pb-191

MAT 8186

(n,p) Levels  
293 Kelvin Cross Sections

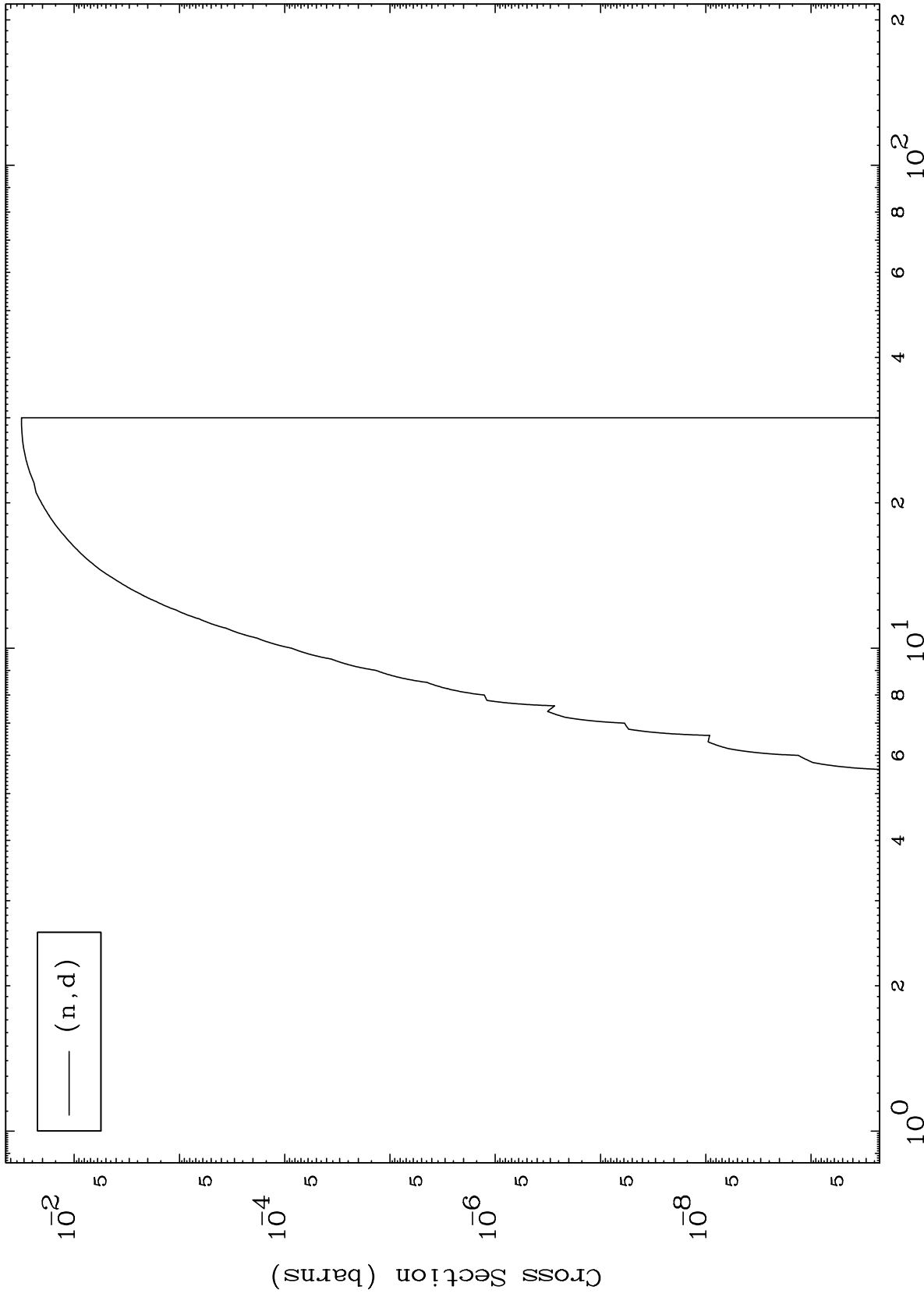
82-Pb-191



MAT 8186

(n,d) Levels  
293 Kelvin Cross Sections

82-Pb-191



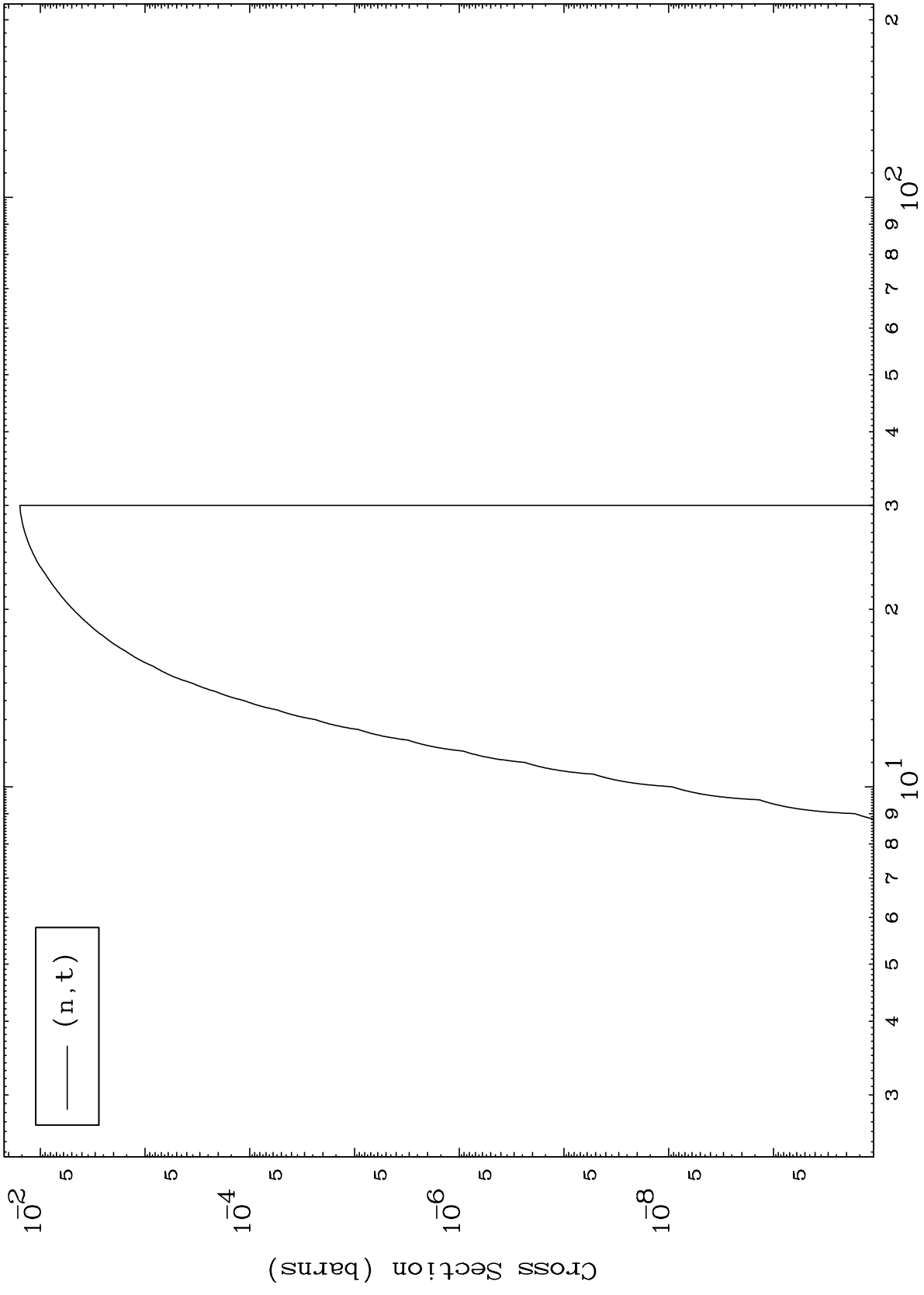
Incident Energy (MeV)

82-Pb-191

MAT 8186

(n,t) Levels  
293 Kelvin Cross Sections

82-Pb-191

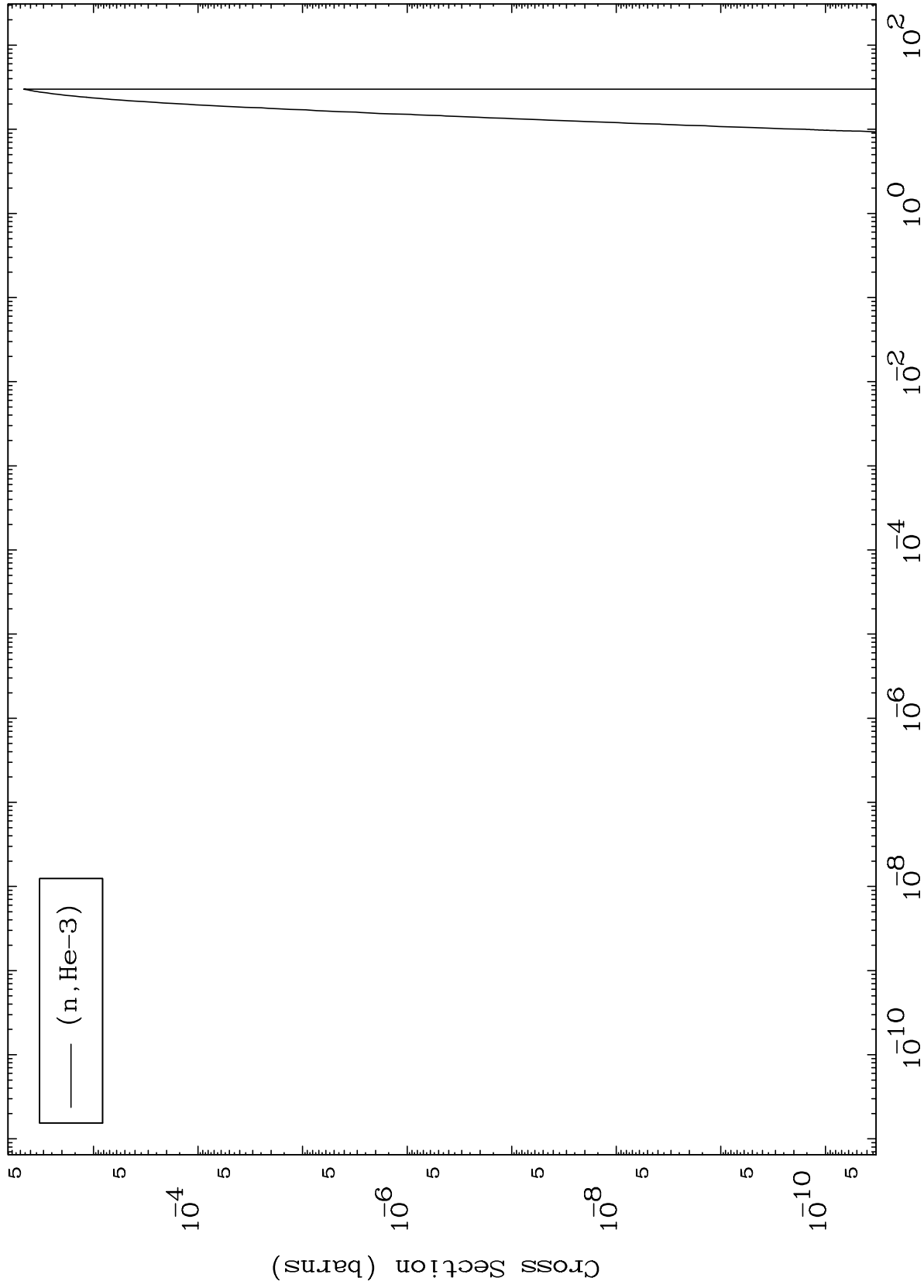


82-Pb-191

MAT 8186

(n,He3) Levels  
293 Kelvin Cross Sections

82-Pb-191



12

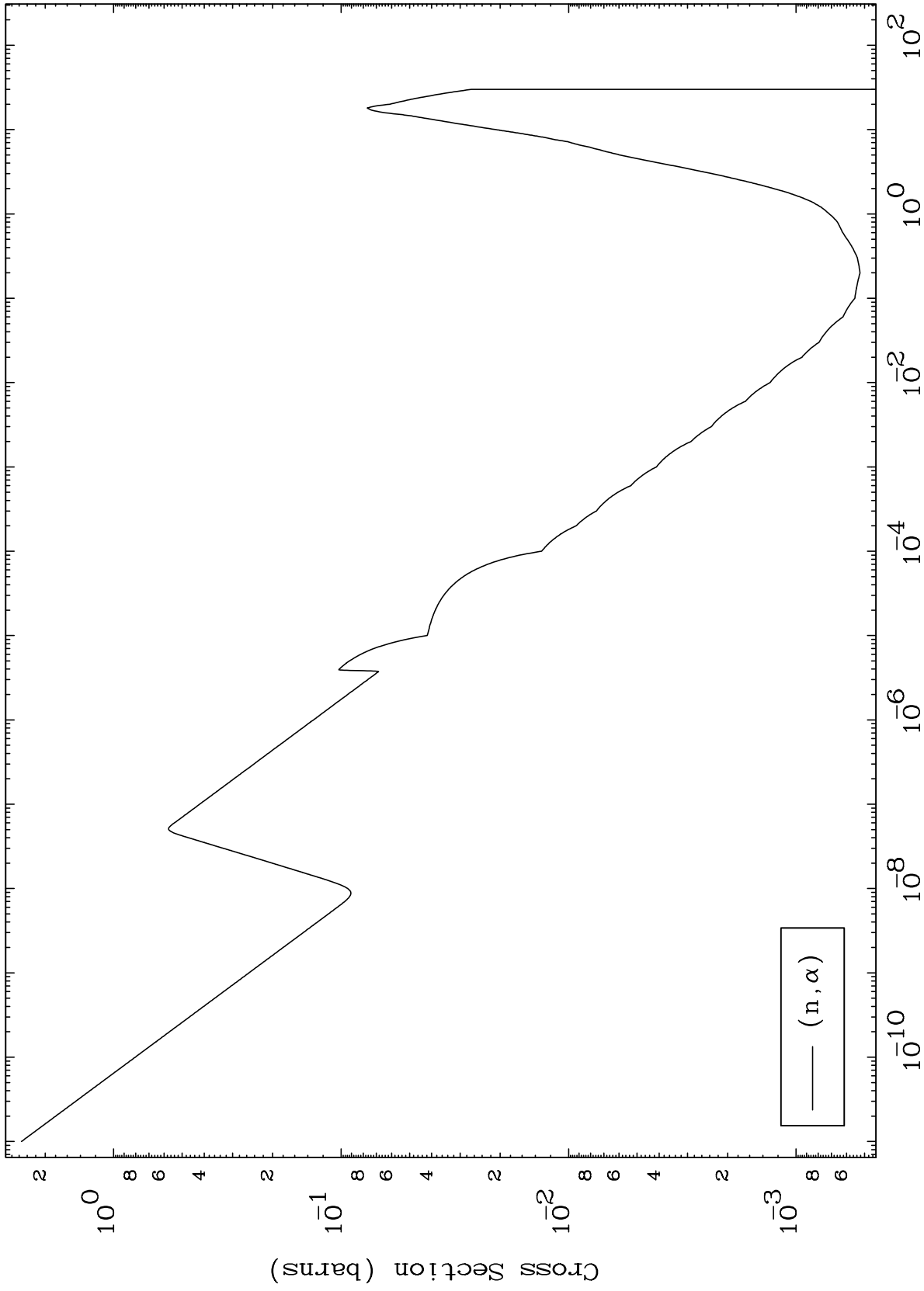
Incident Energy (MeV)

82-Pb-191

MAT 8186

(n,α) Levels  
293 Kelvin Cross Sections

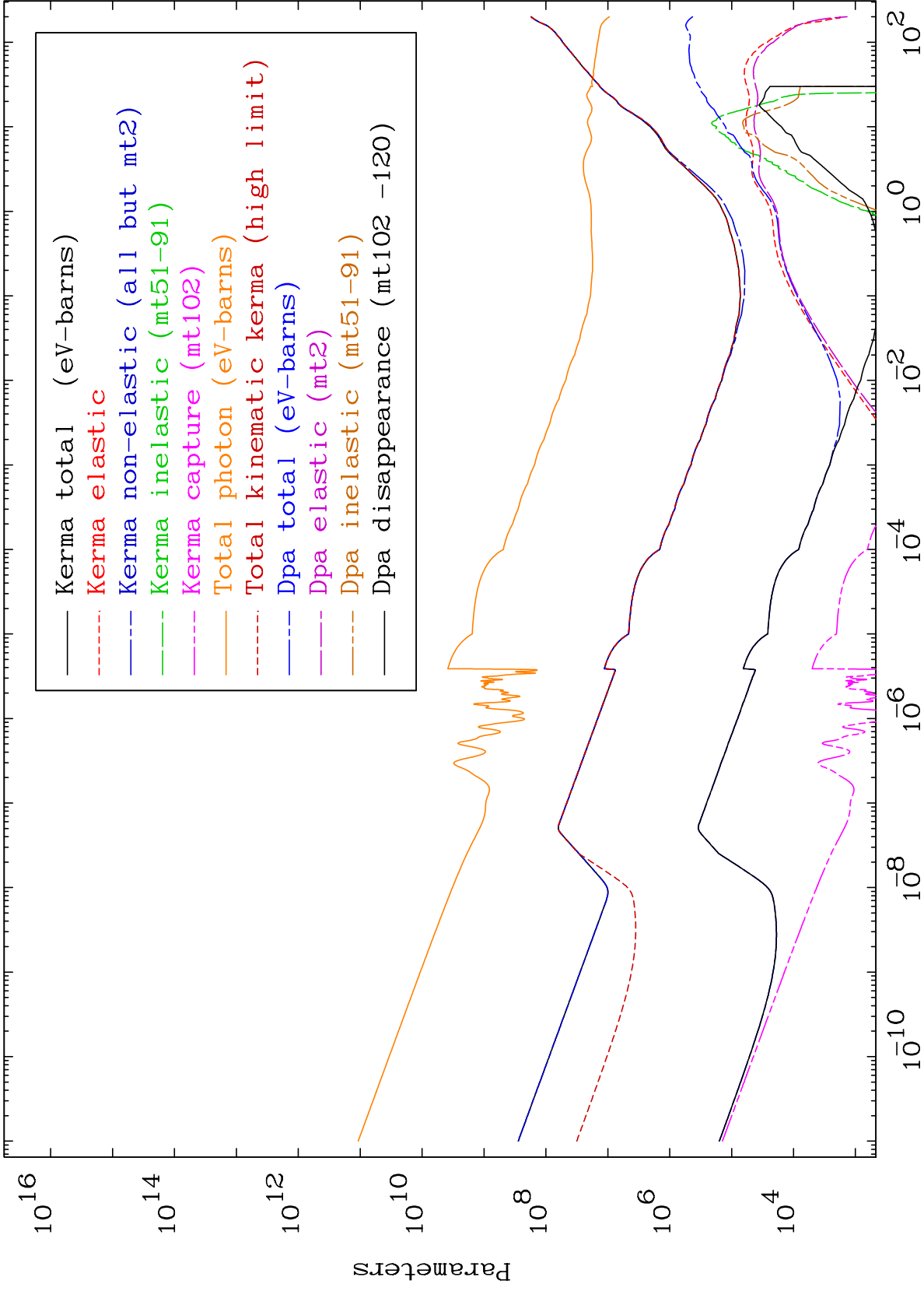
82-Pb-191



13

Incident Energy (MeV)

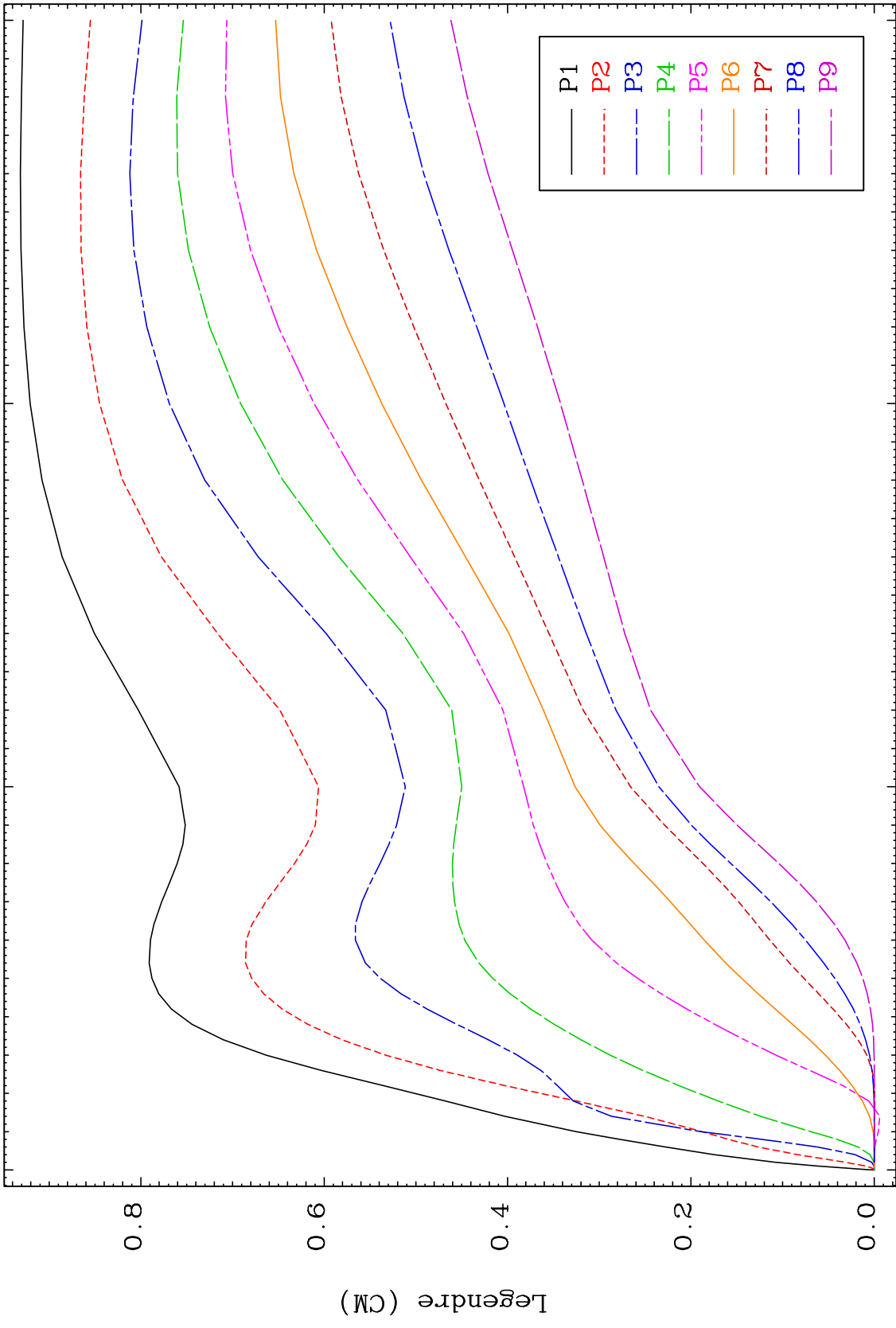
82-Pb-191



MAT 8186

Elastic Legendre Coefficients

82-Pb-191



0

15

10

20

30

Incident Energy (MeV)

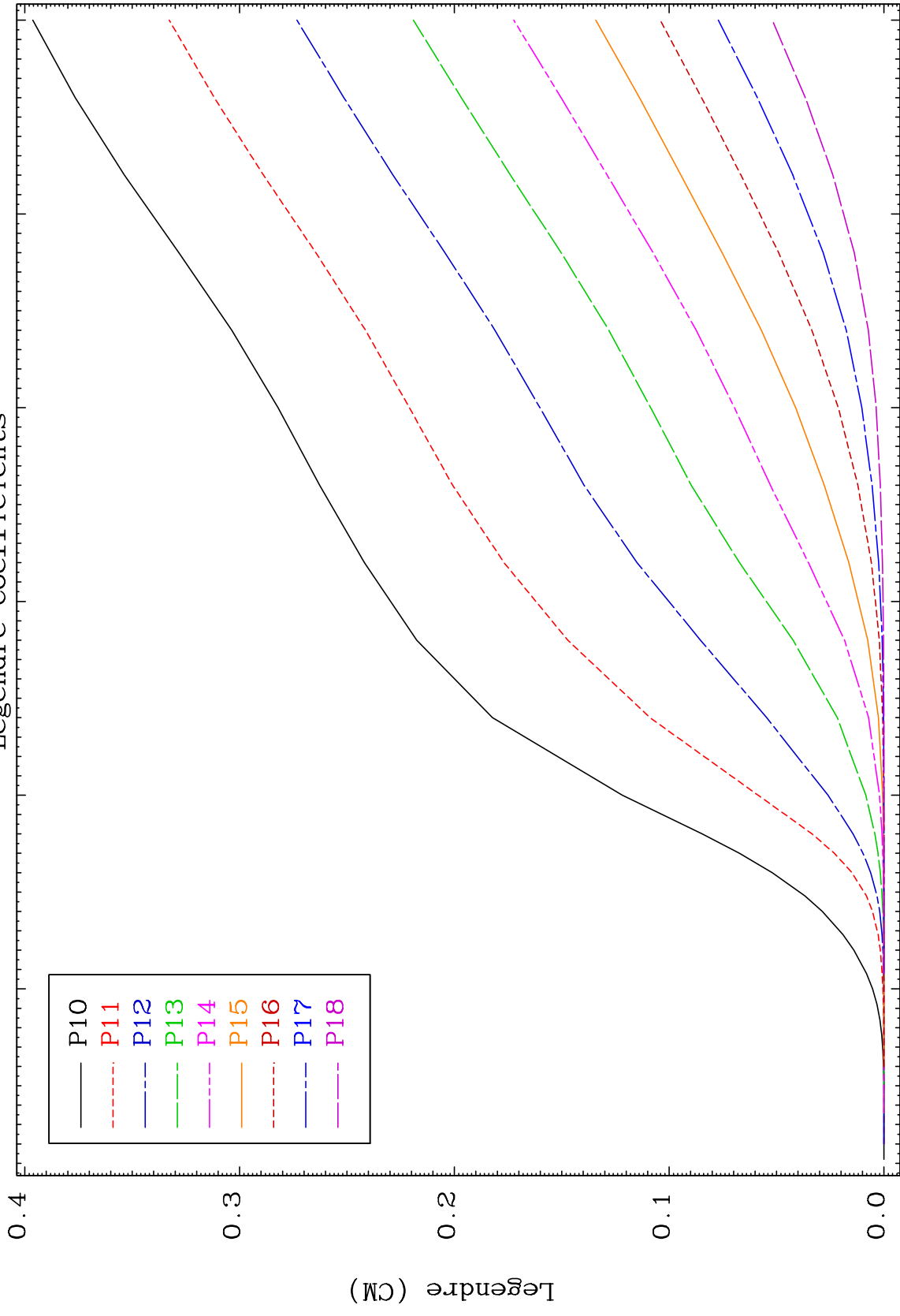
82-Pb-191



MAT 8186

Elastic Legendre Coefficients

82-Pb-191



16

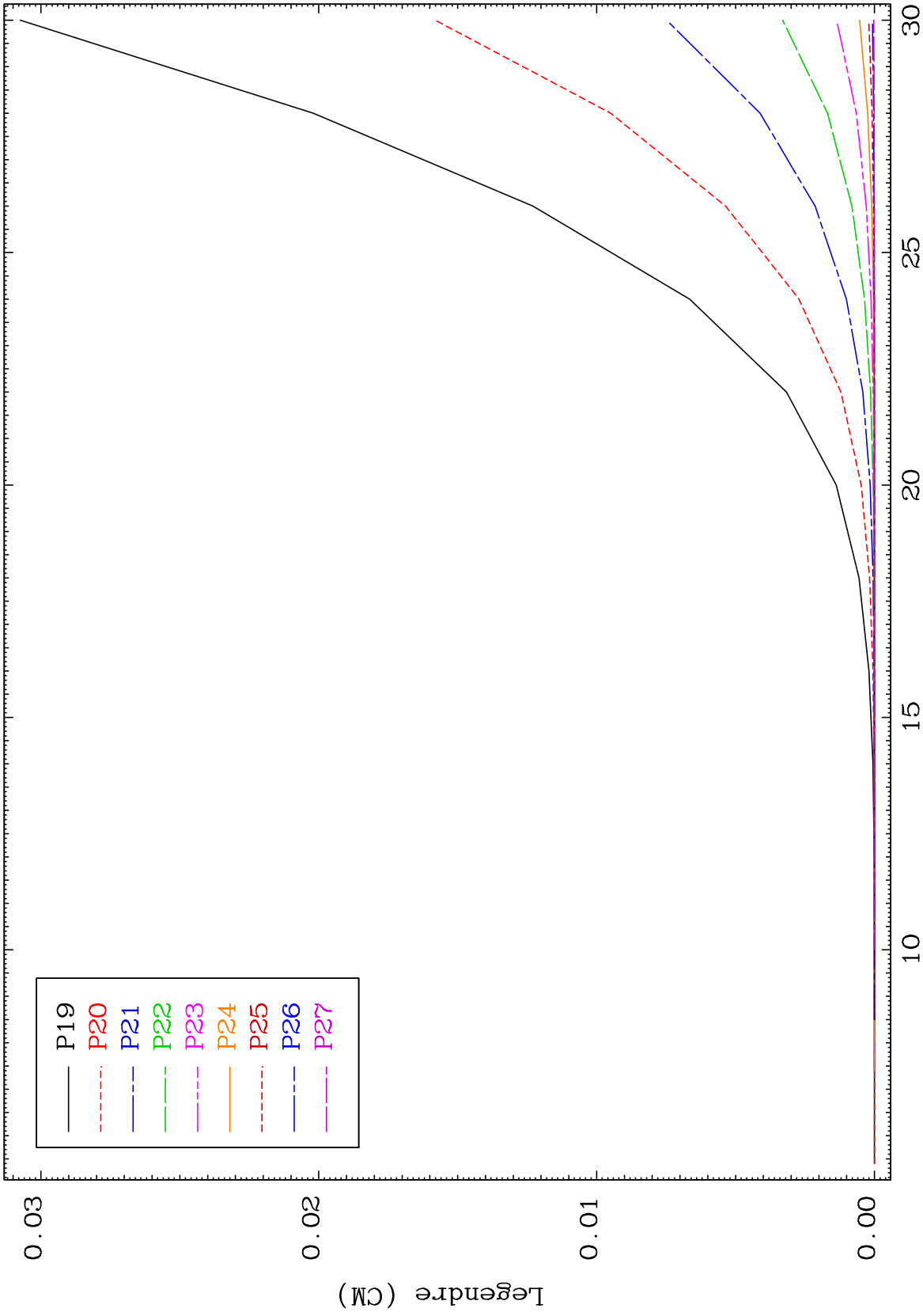
Incident Energy (MeV)

82-Pb-191

MAT 8186

### Elastic Legendre Coefficients

82-Pb-191



17

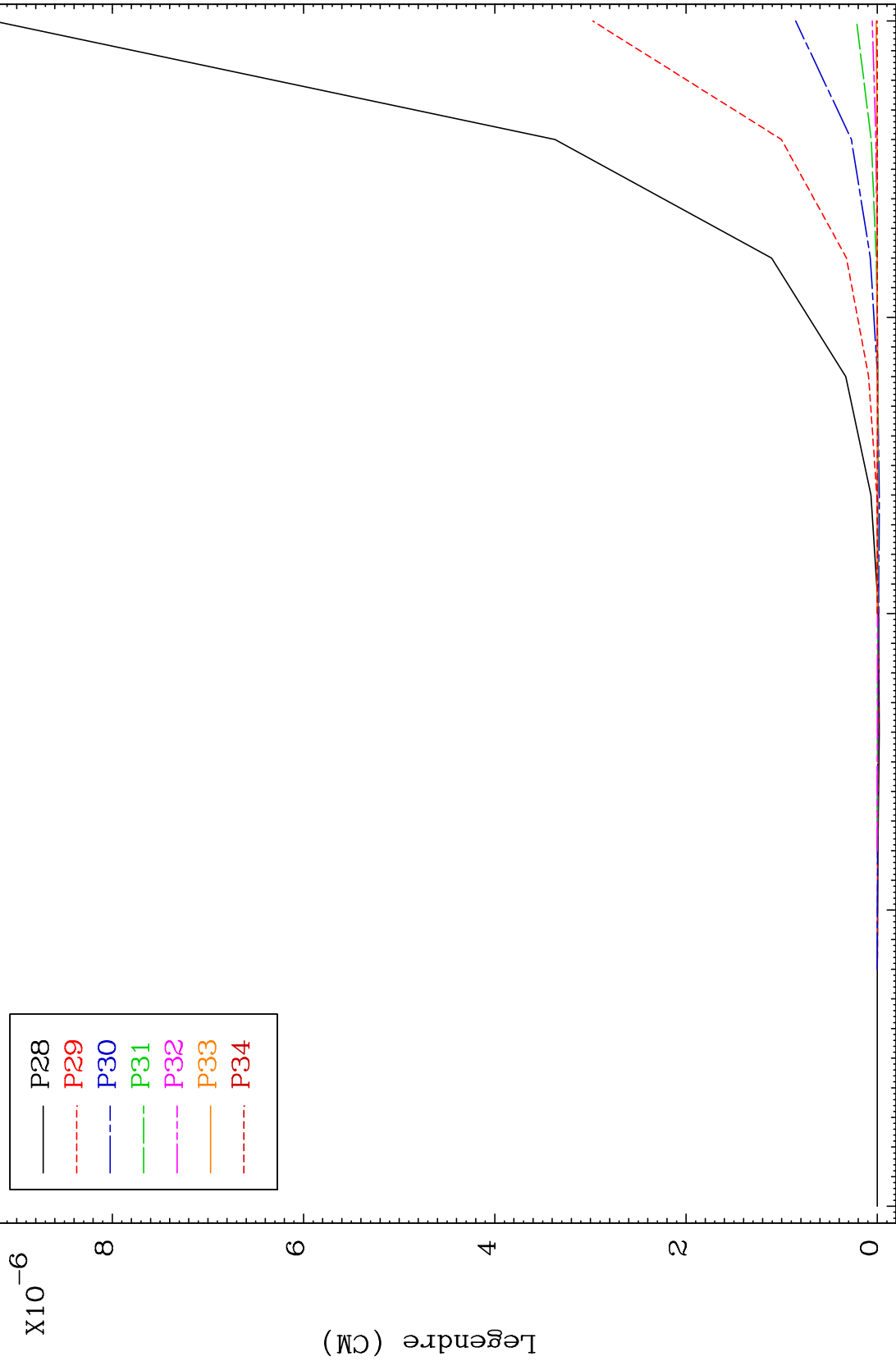
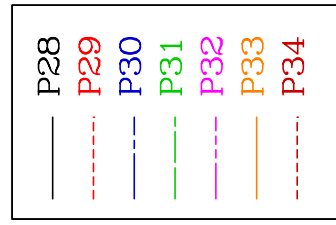
Incident Energy (MeV)

82-Pb-191

MAT 8186

Elastic Legendre Coefficients

82-Pb-191



10

15

20

25

30

Incident Energy (MeV)

82-Pb-191

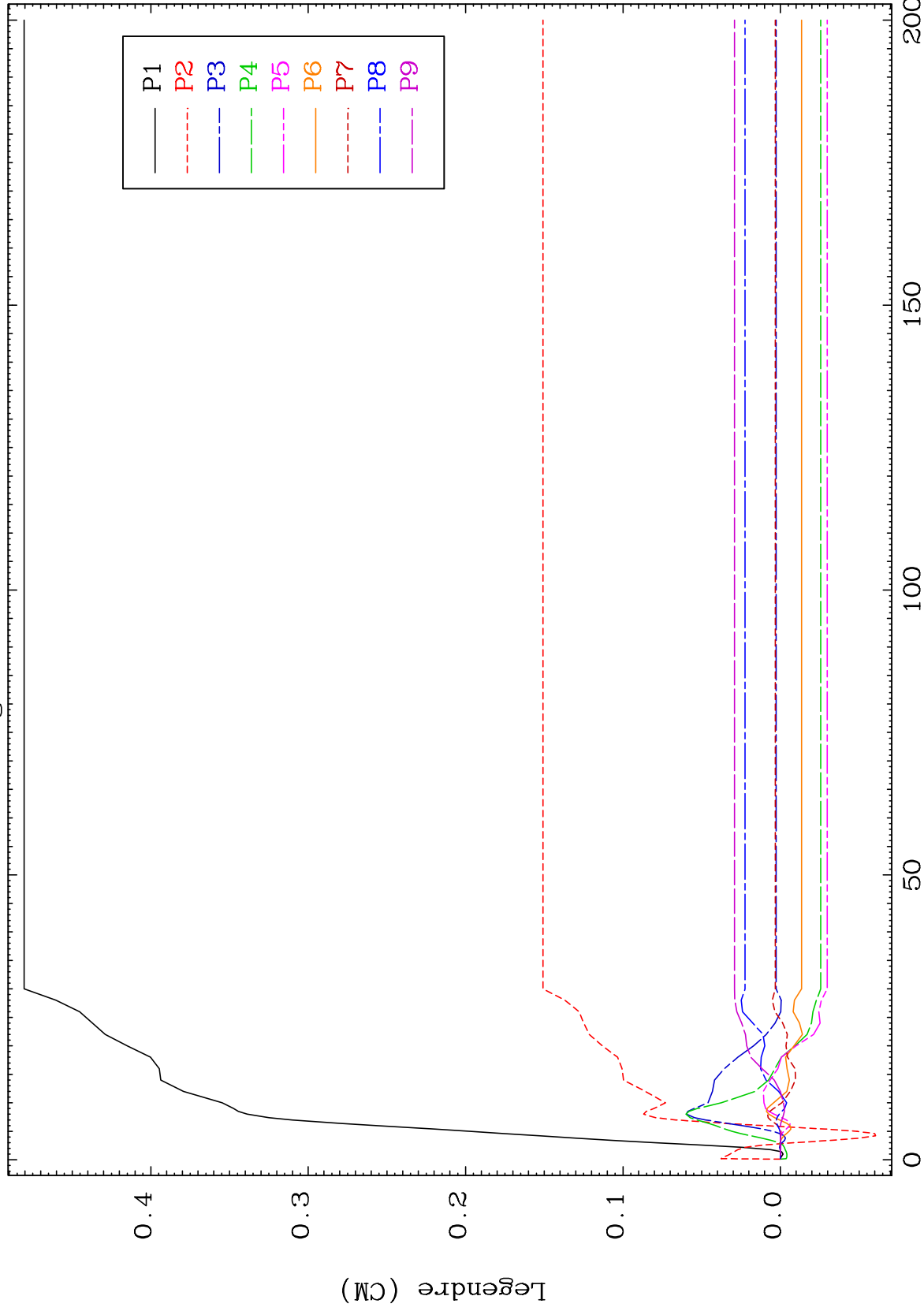
Legendre (CM)

$\times 10^{-6}$

MAT 8186

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

82-Pb-191



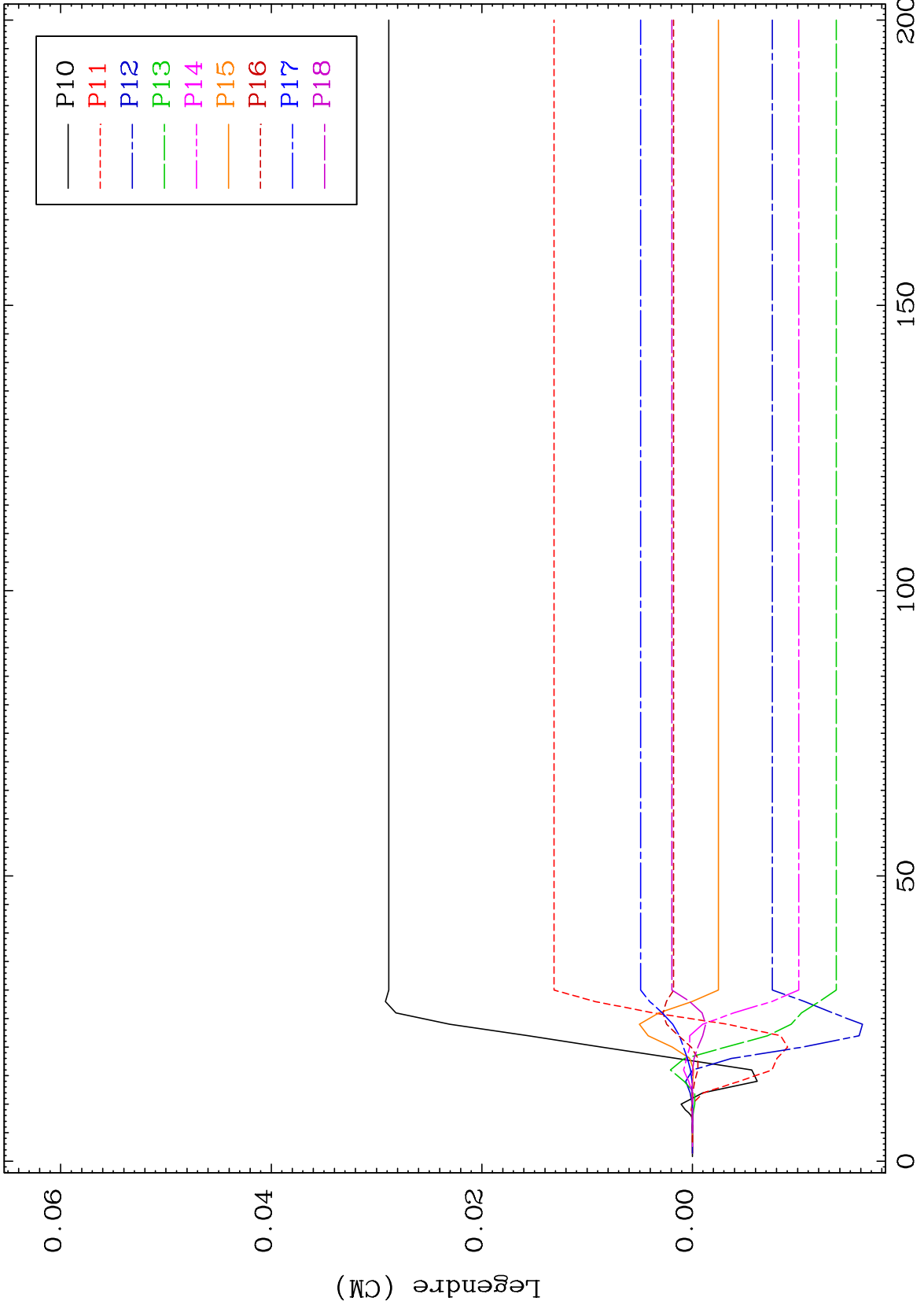
19

82-Pb-191

MAT 8186

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

82-Pb-191



82-Pb-191

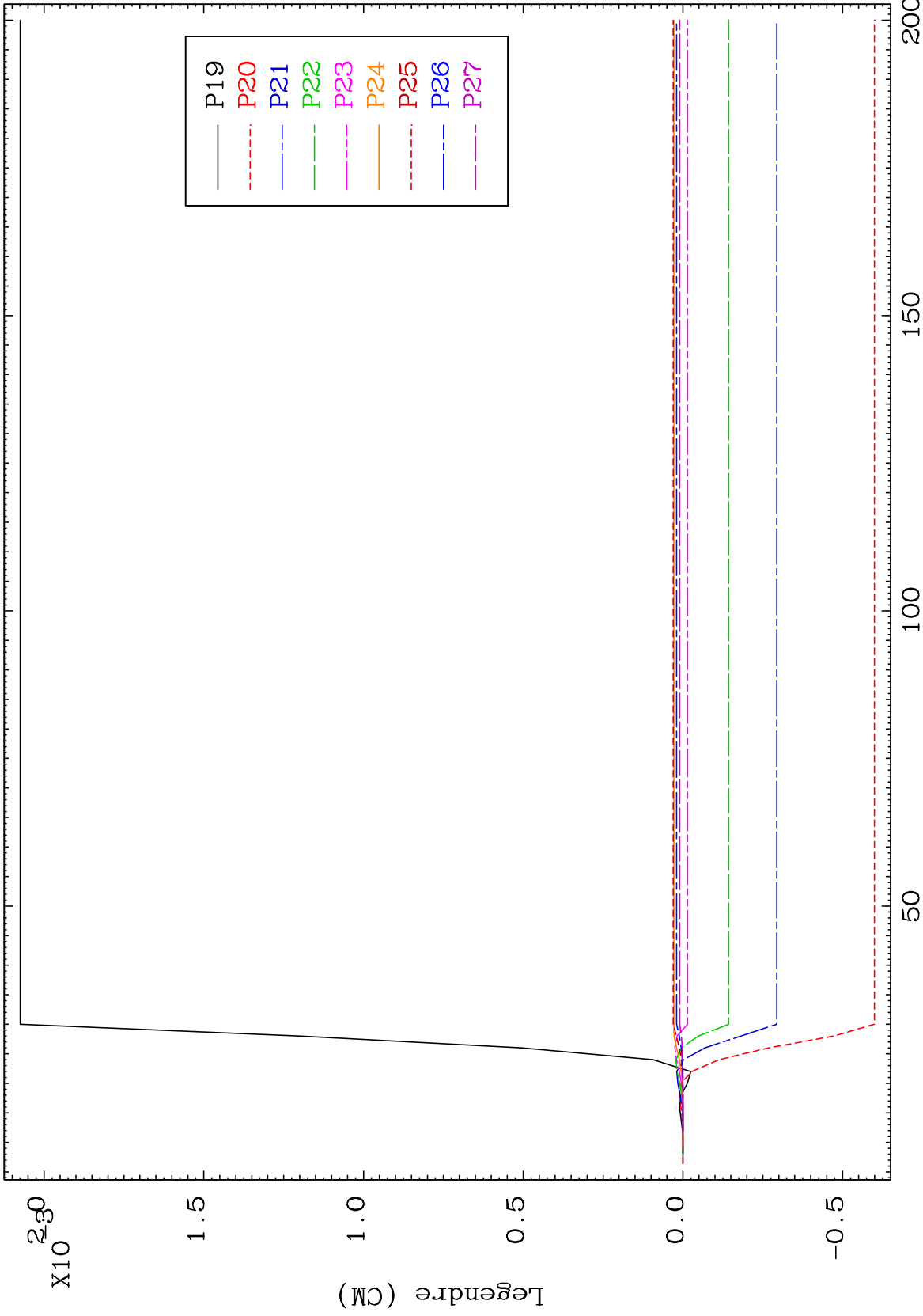
Incident Energy (MeV)

20

MAT 8186

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

82-Pb-191



21

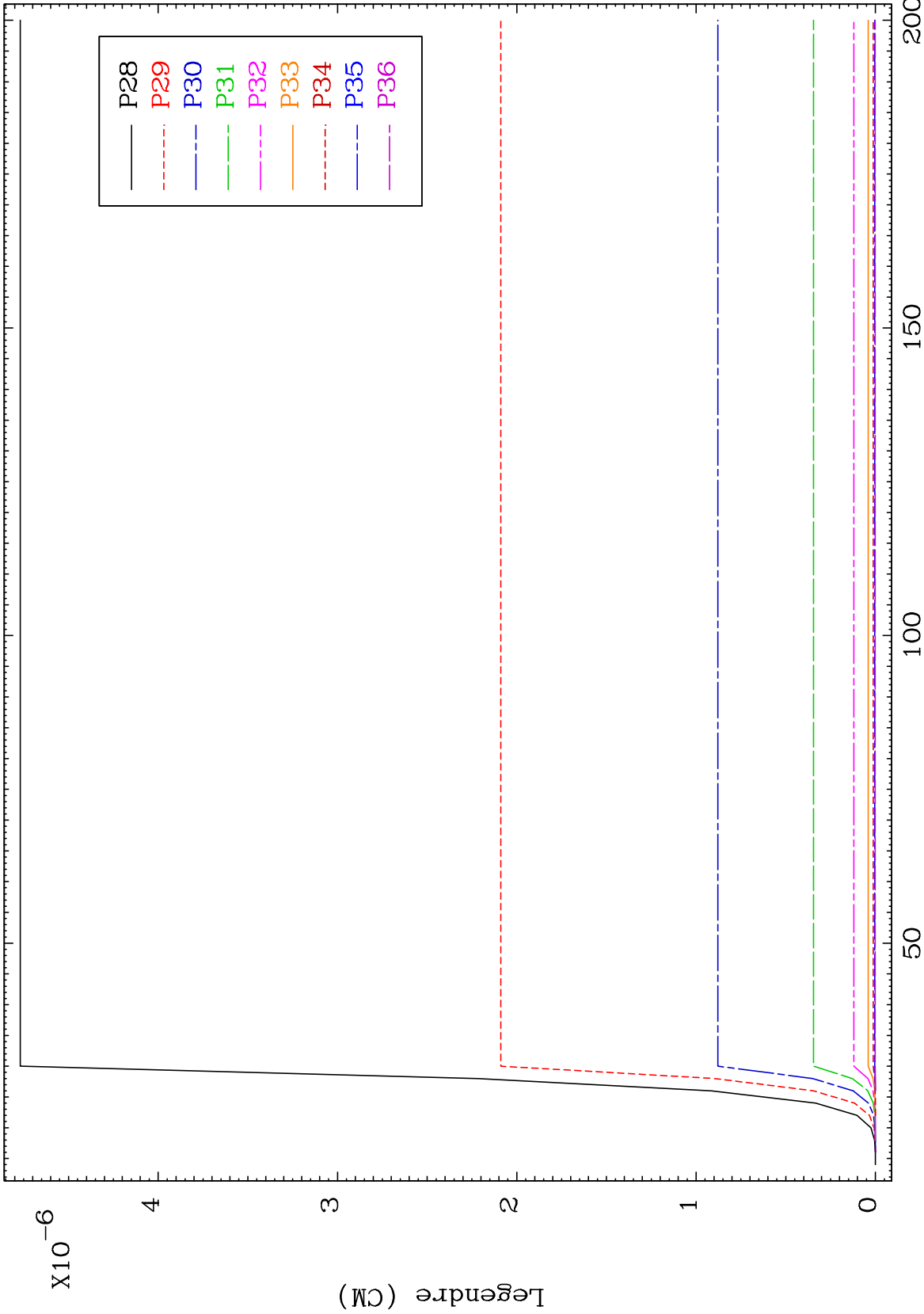
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



22

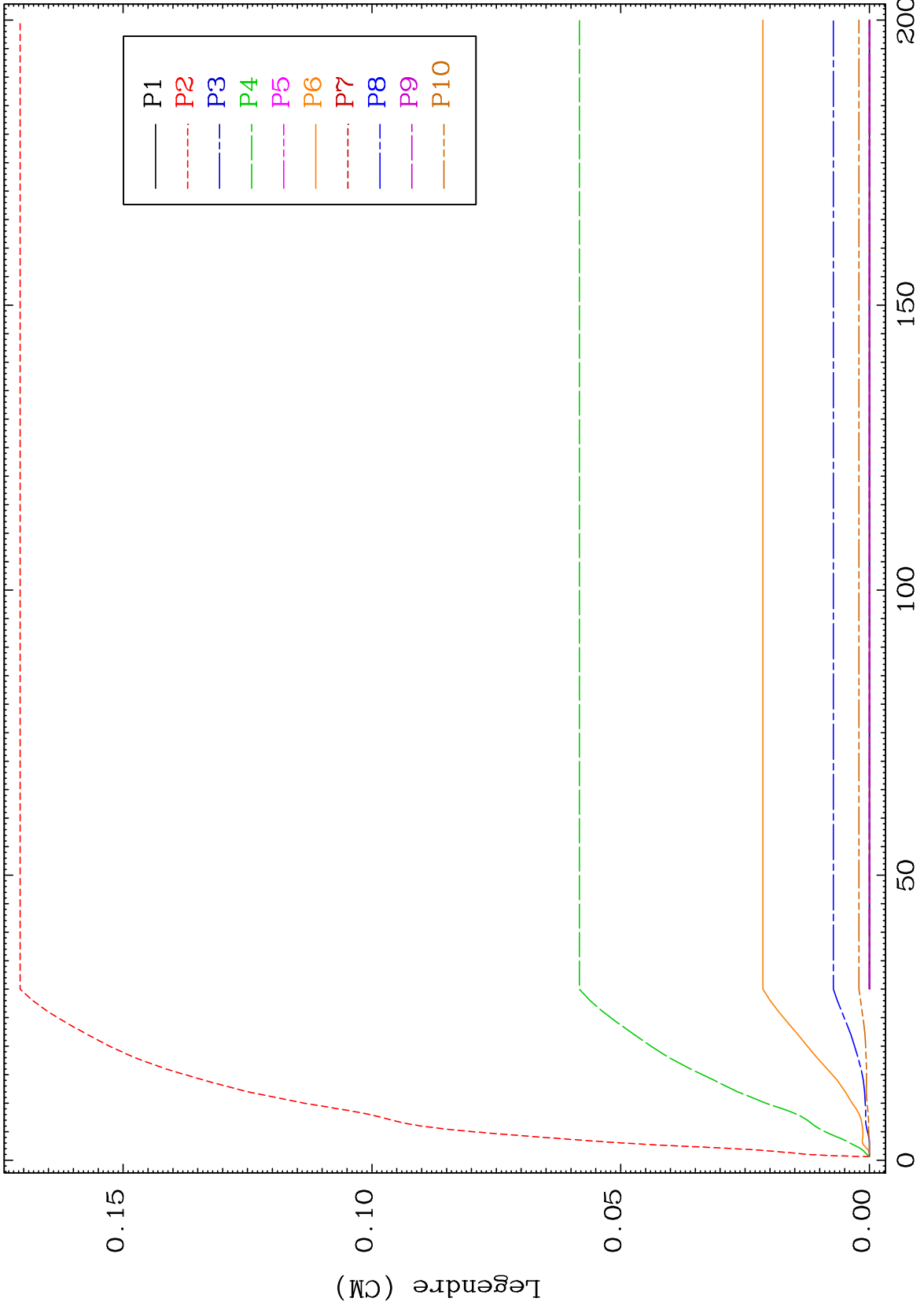
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



23

Incident Energy (MeV)

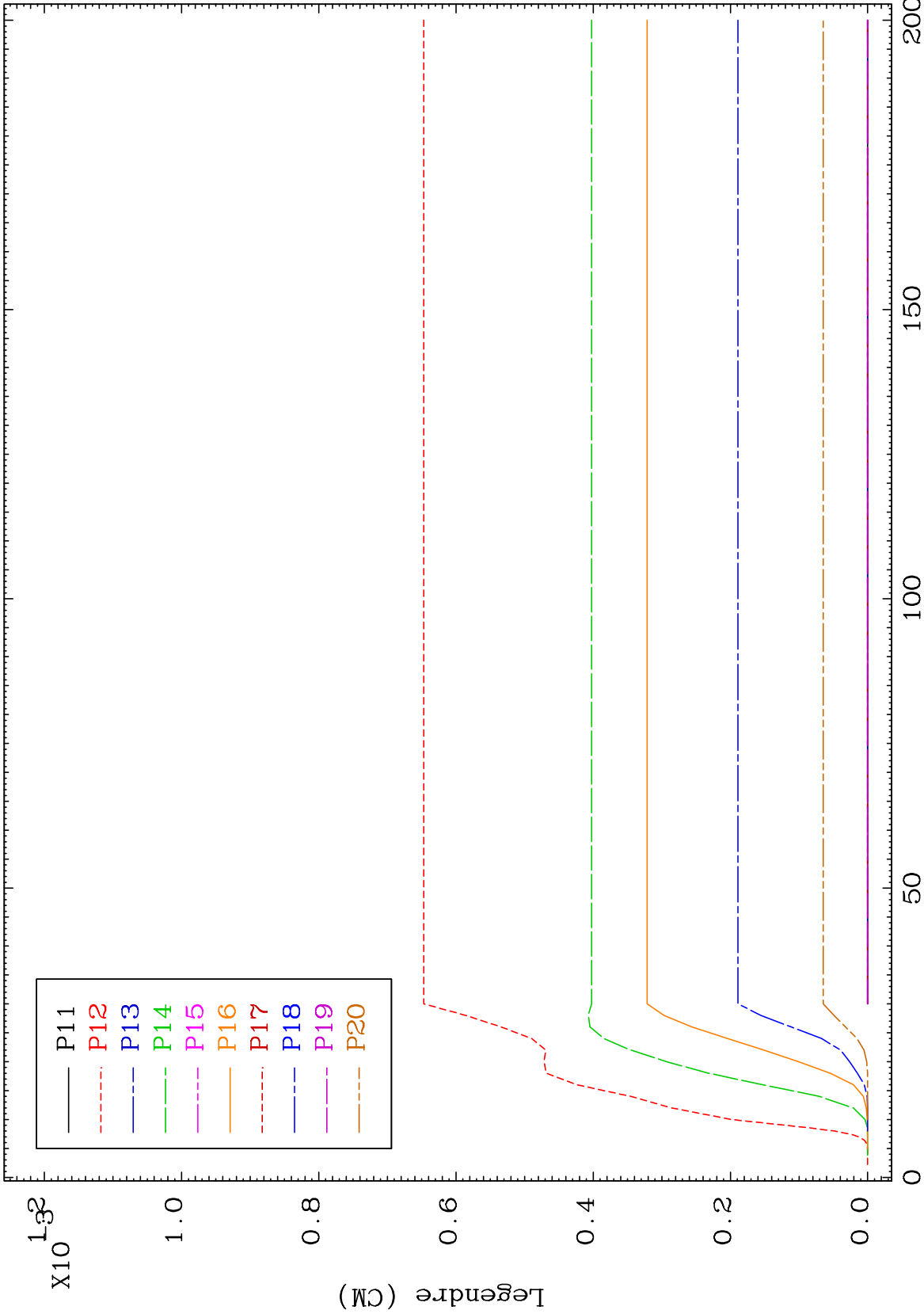
82-Pb-191



MAT 8186

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

82-Pb-191



24

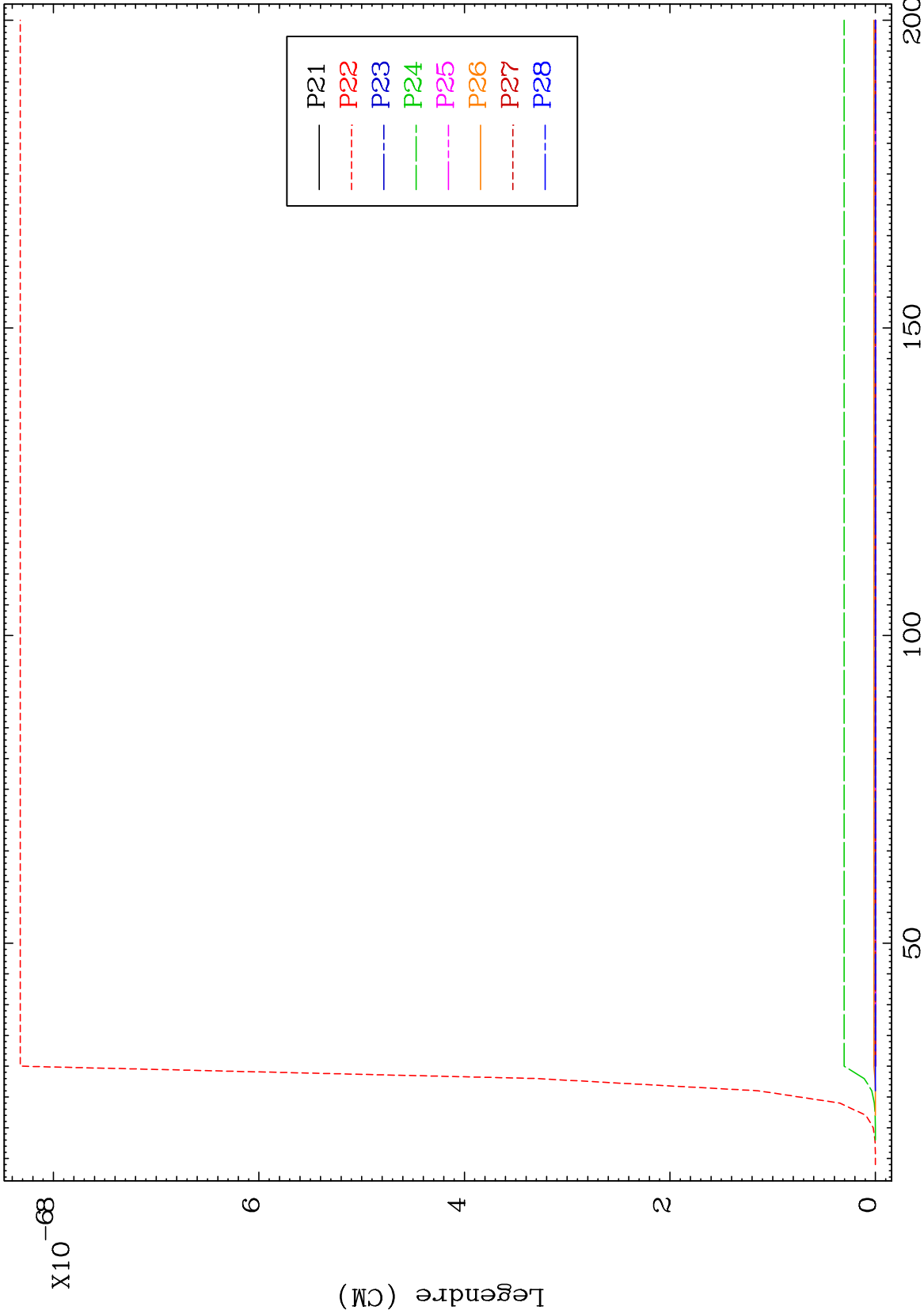
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



25

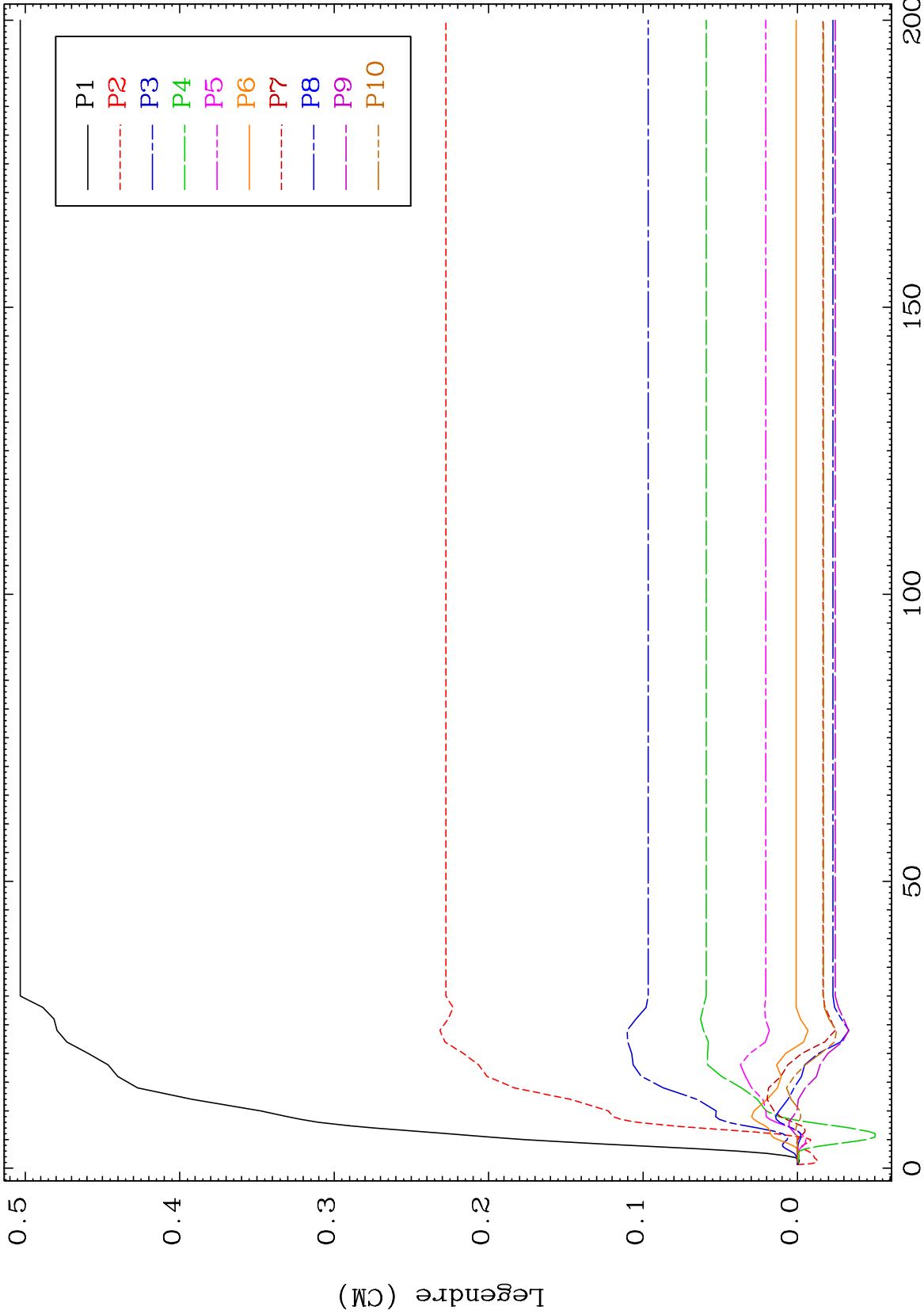
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



26

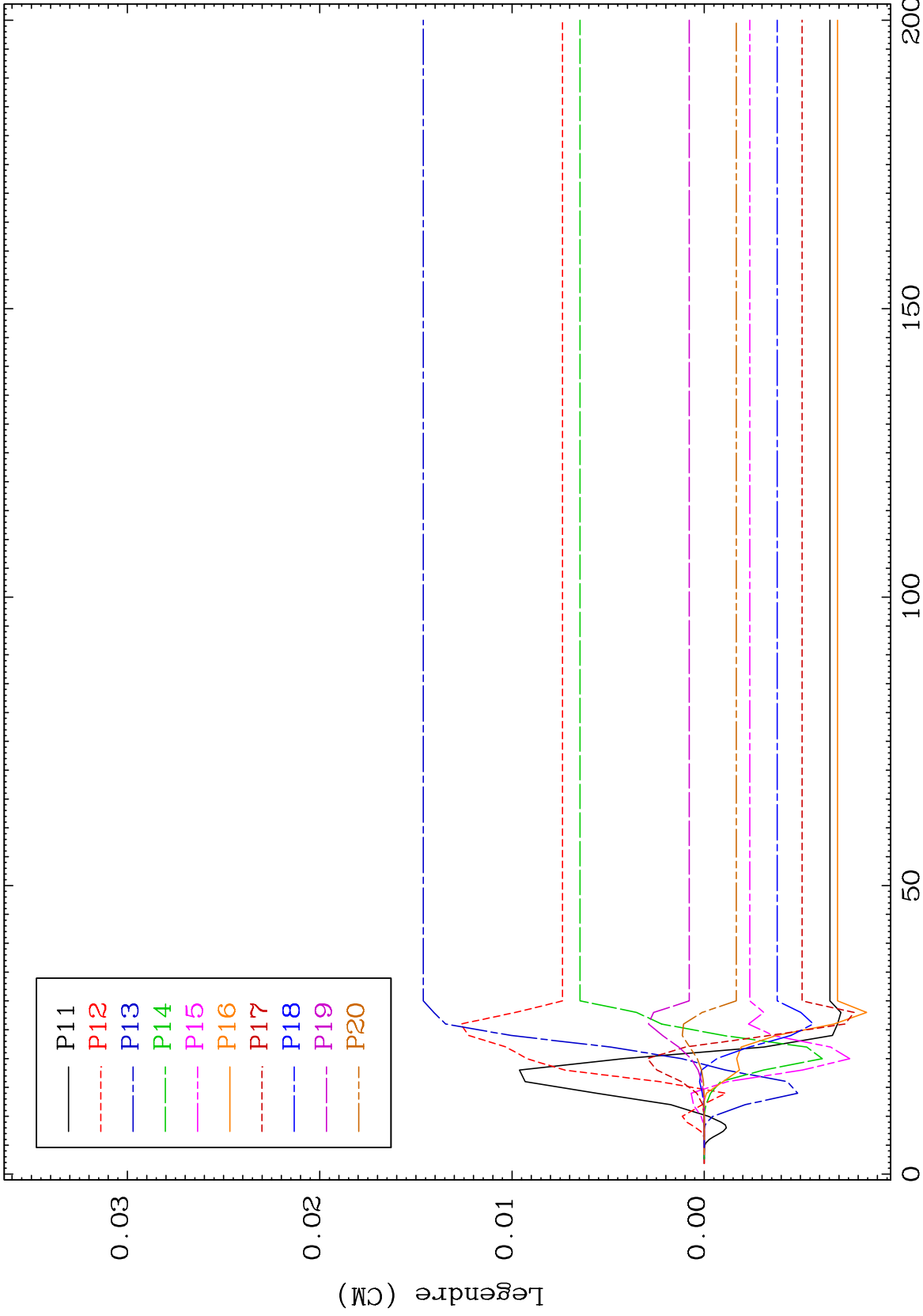
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



27

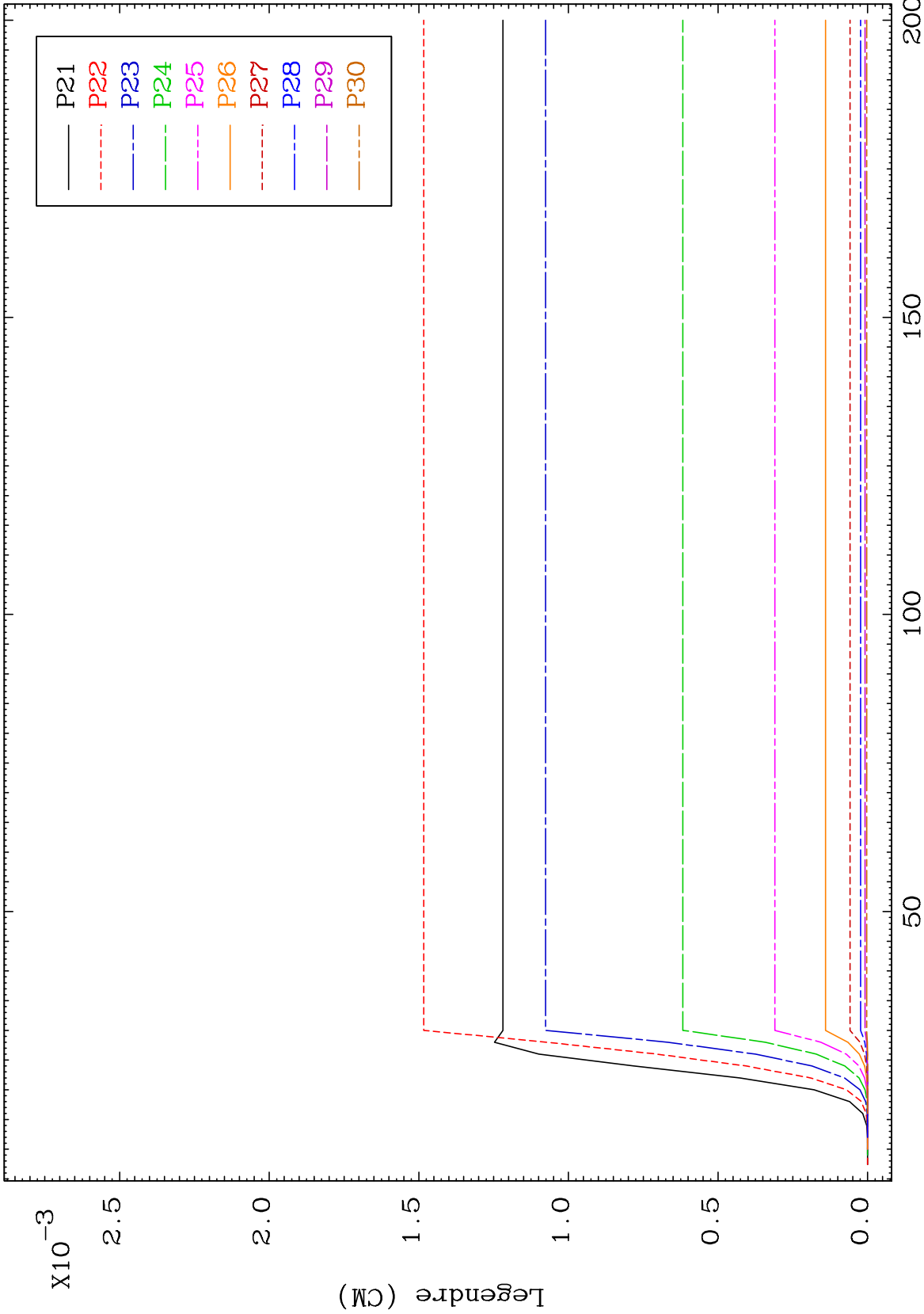
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



28

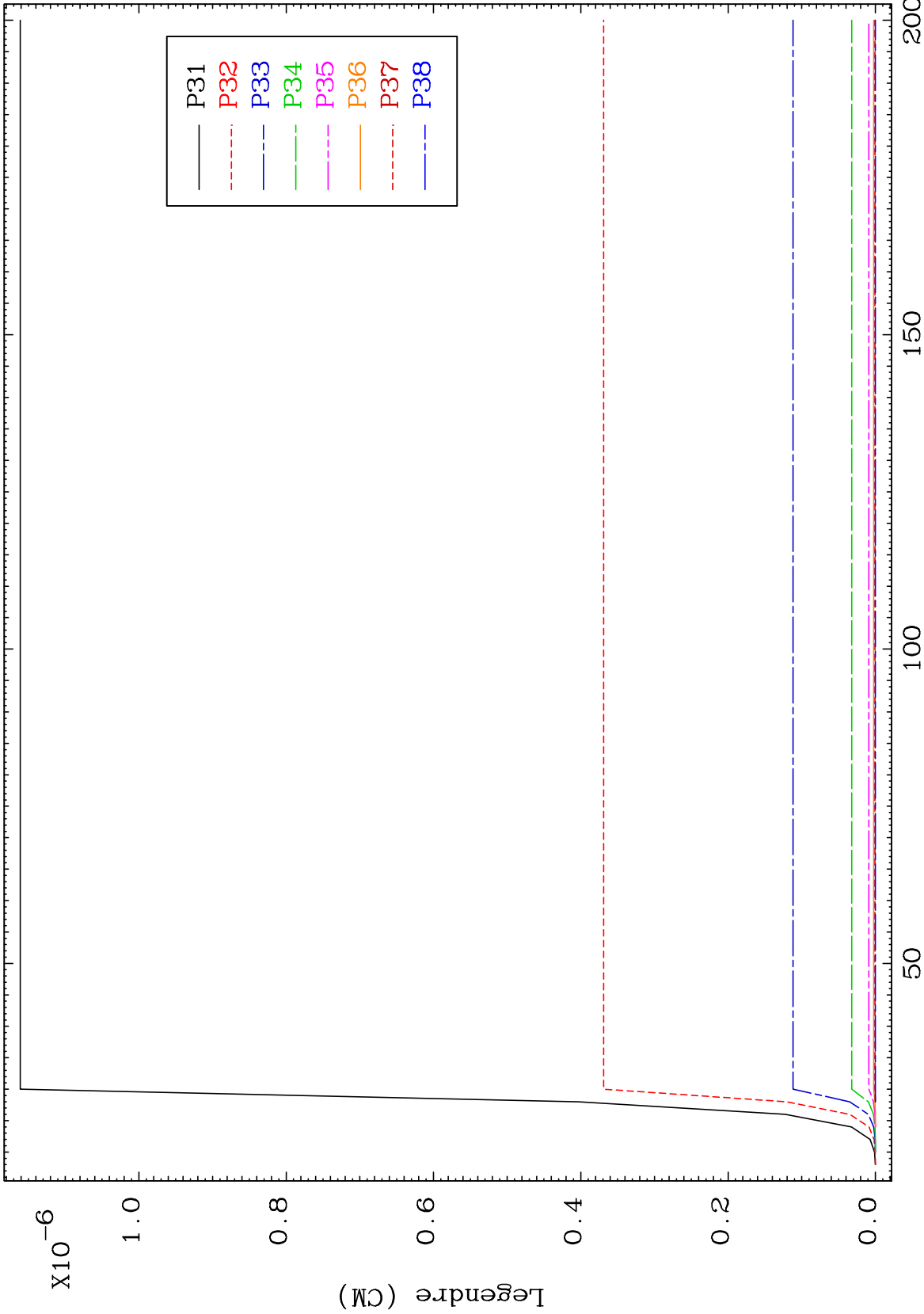
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



29

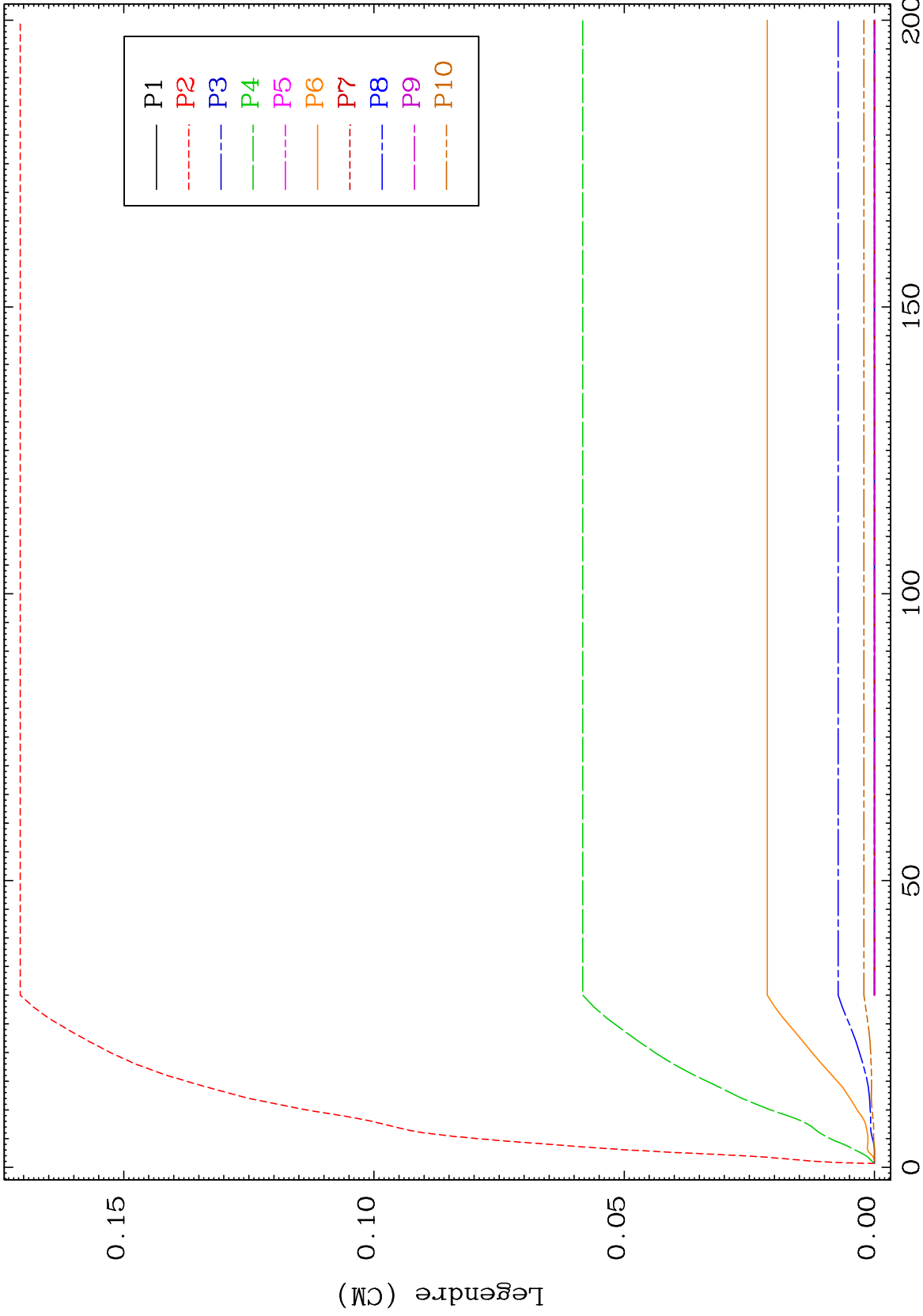
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

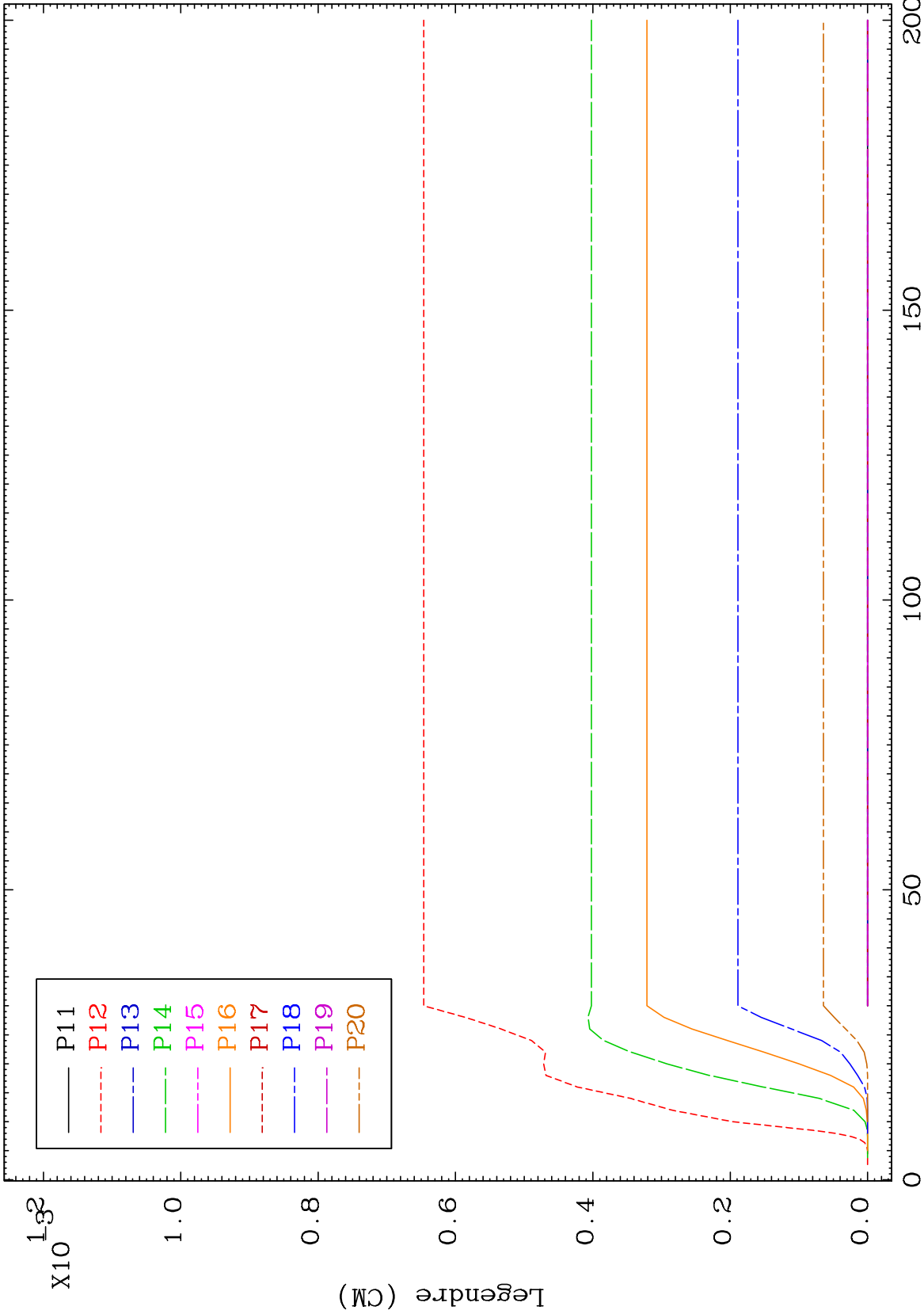
82-Pb-191



82-Pb-191

Incident Energy (MeV)

30

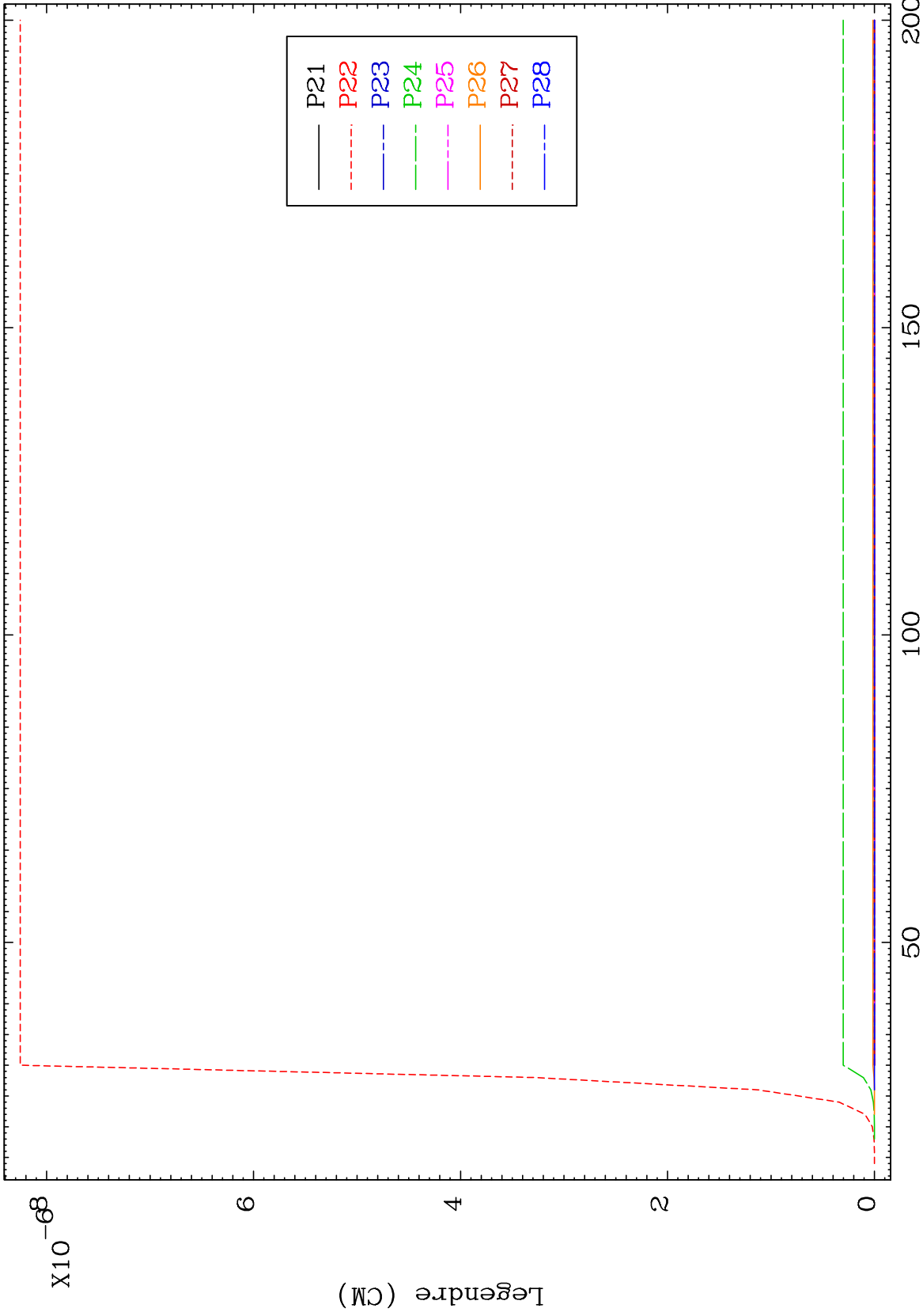




MAT 8186

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

82-Pb-191



32

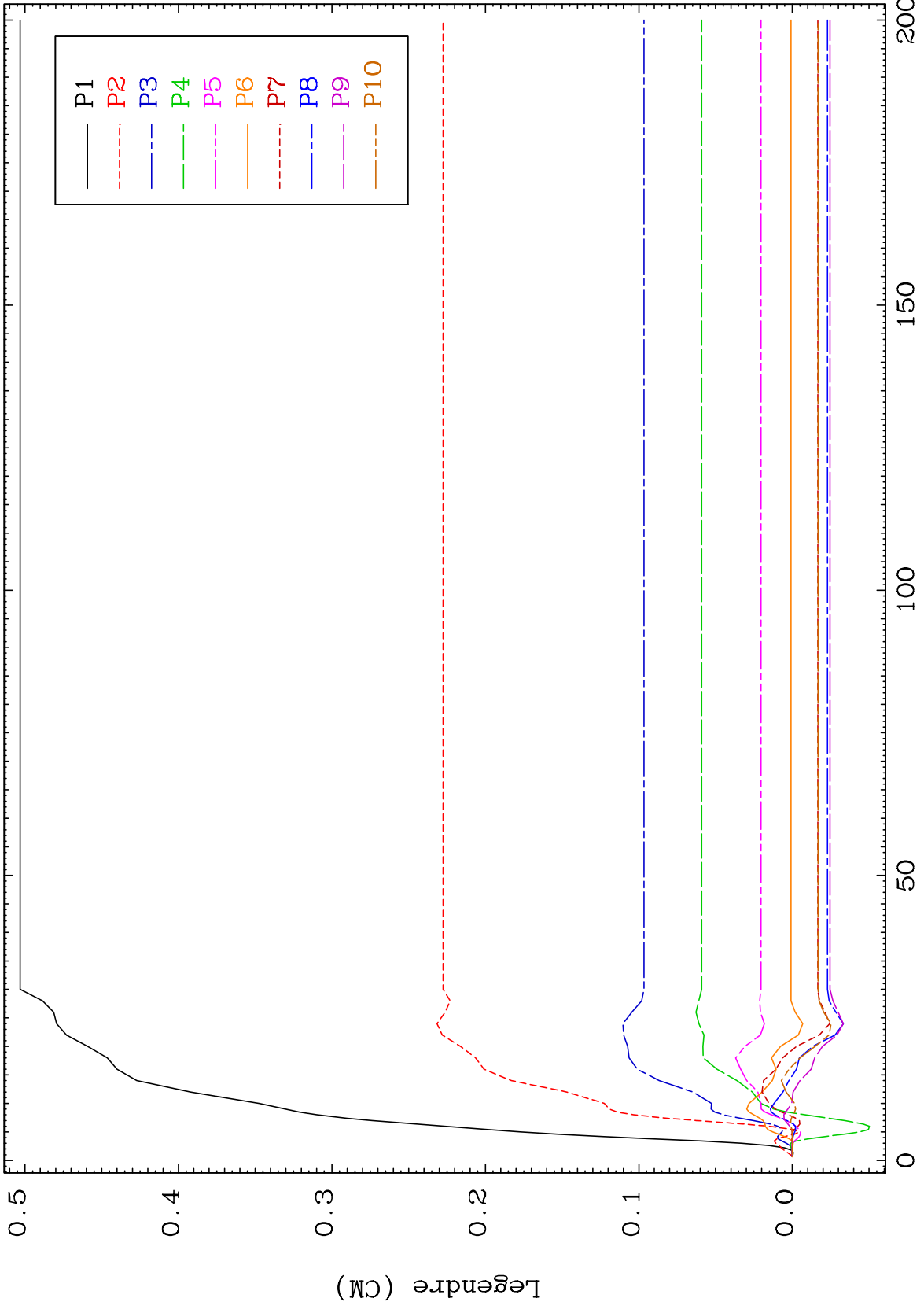
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



33

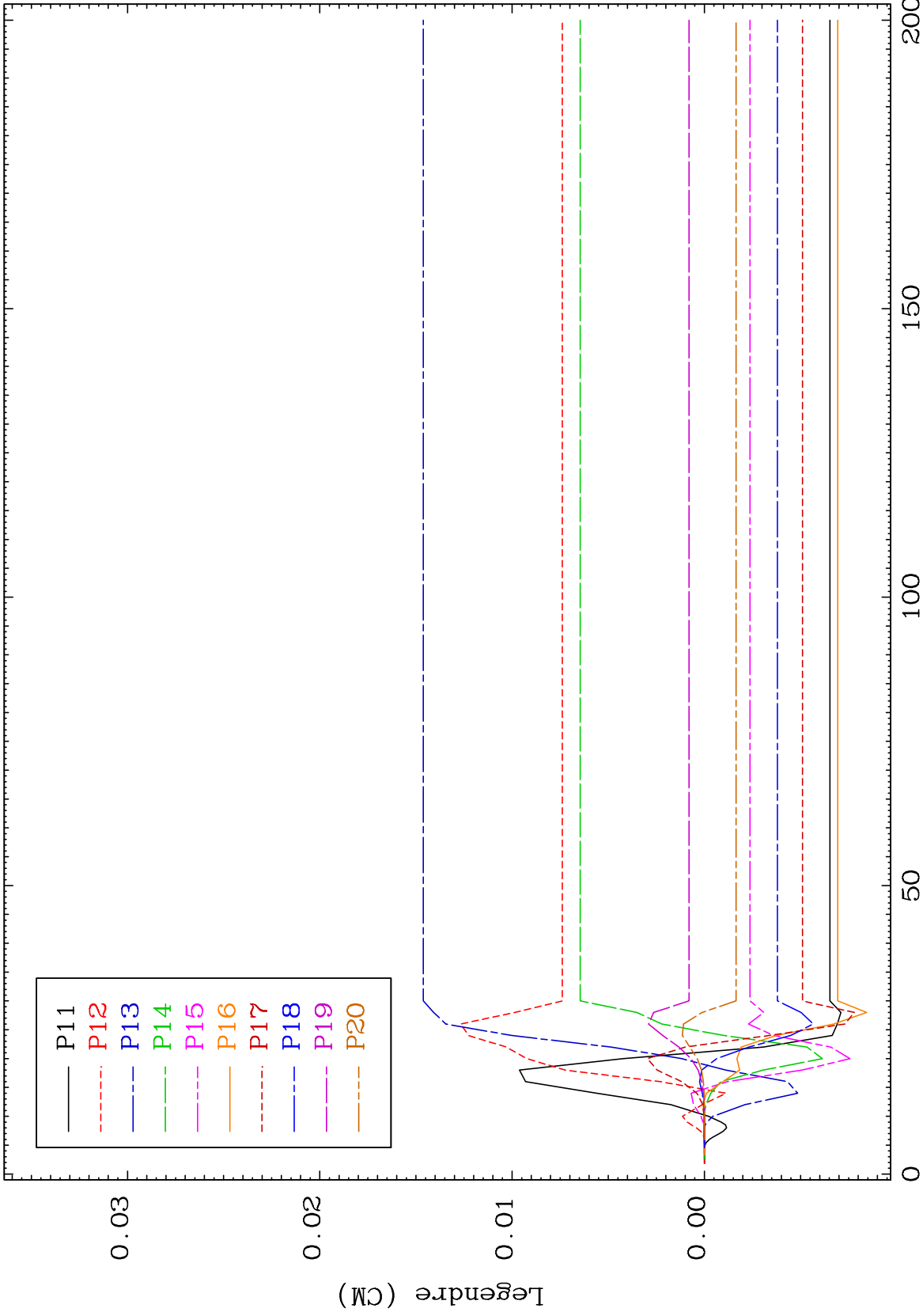
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

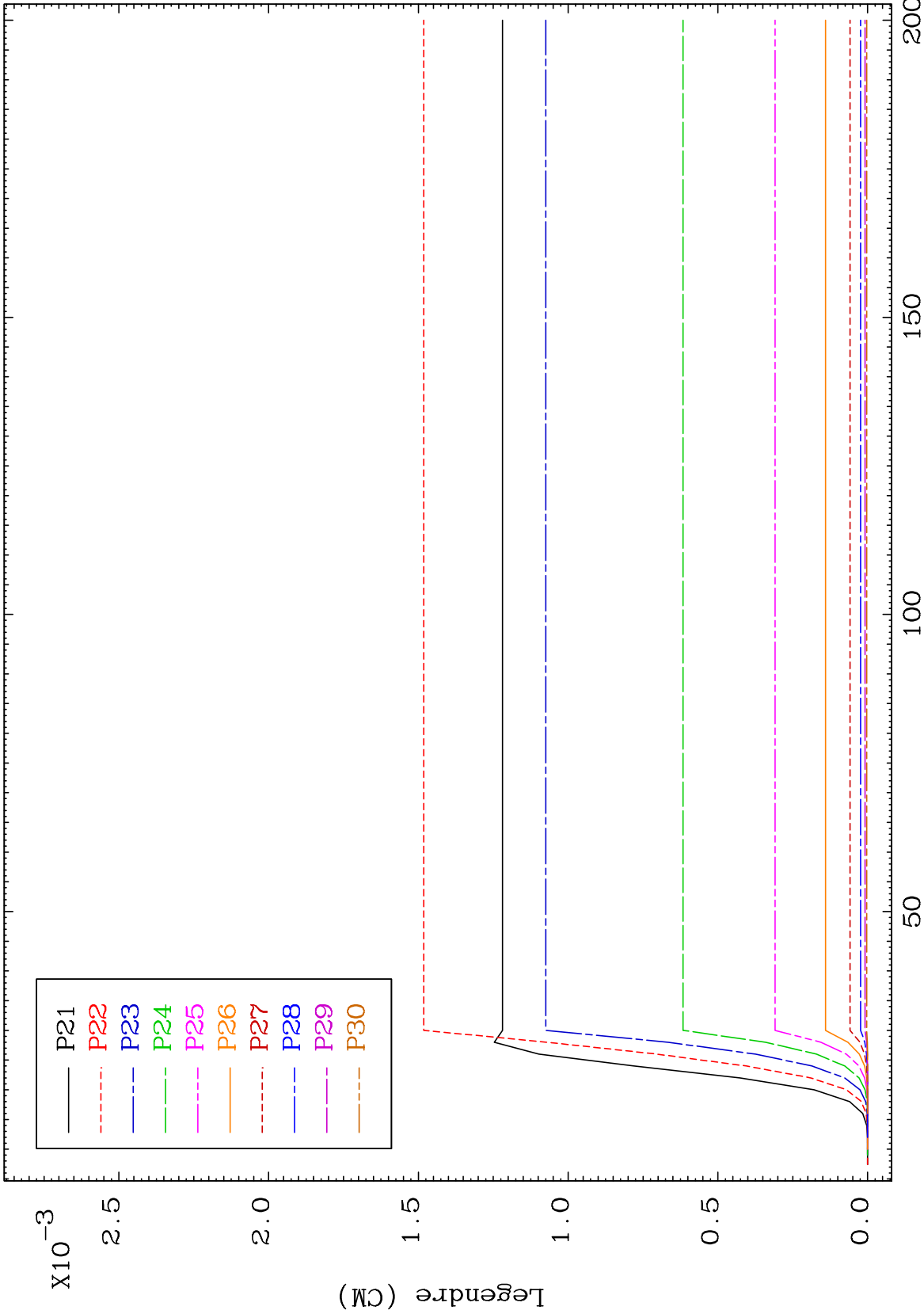
82-Pb-191



MAT 8186

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

82-Pb-191



35

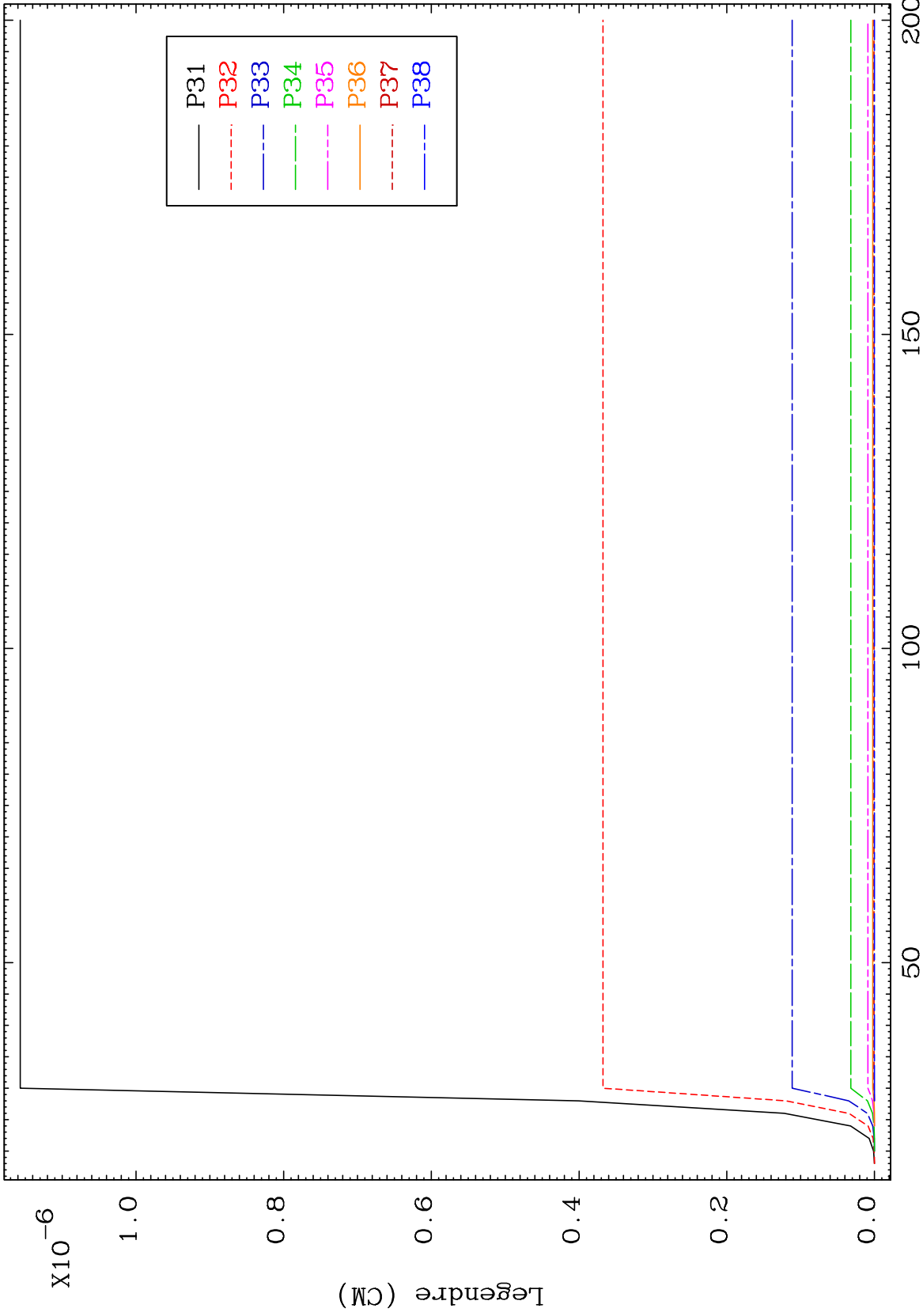
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



36

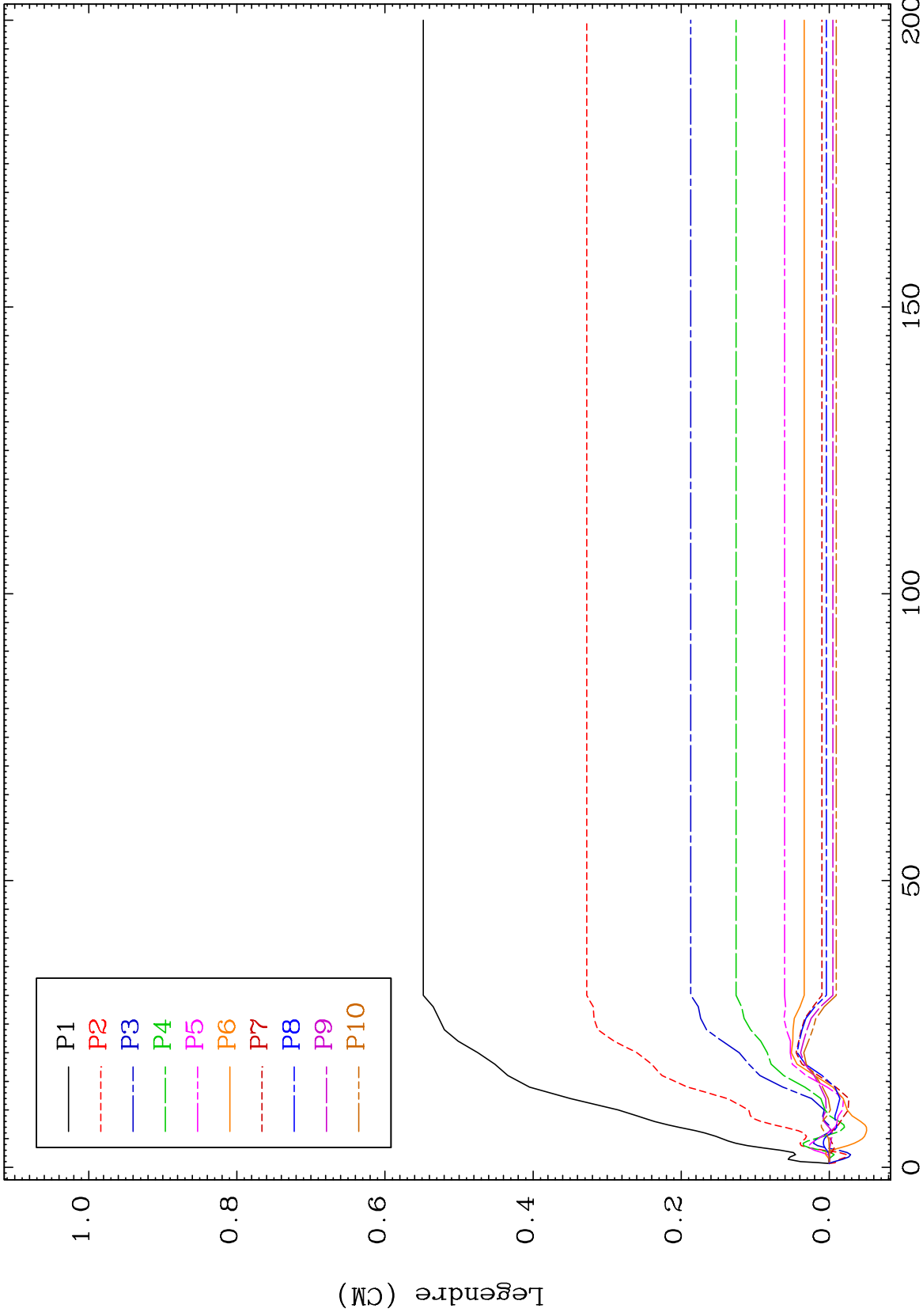
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



37

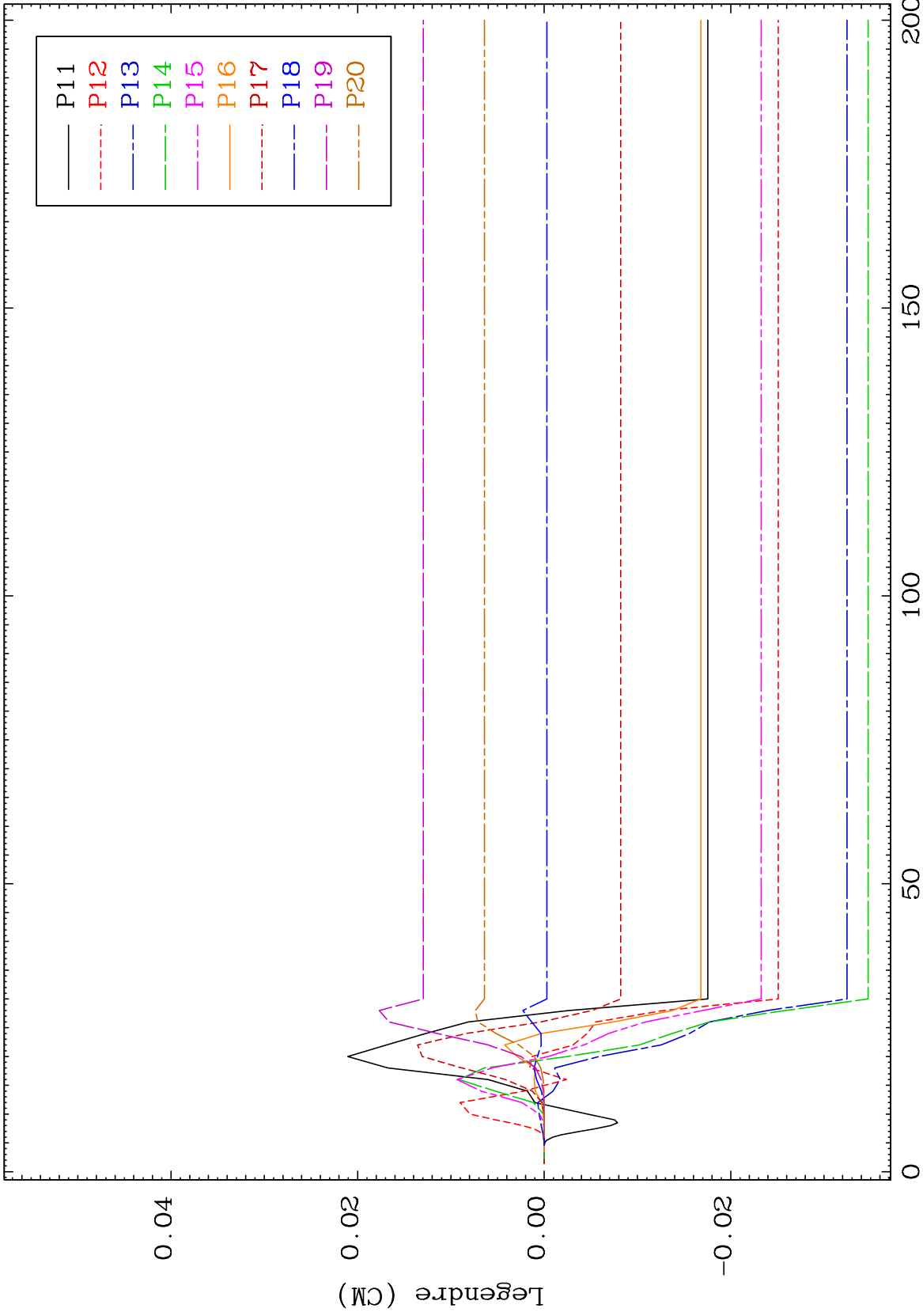
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



38

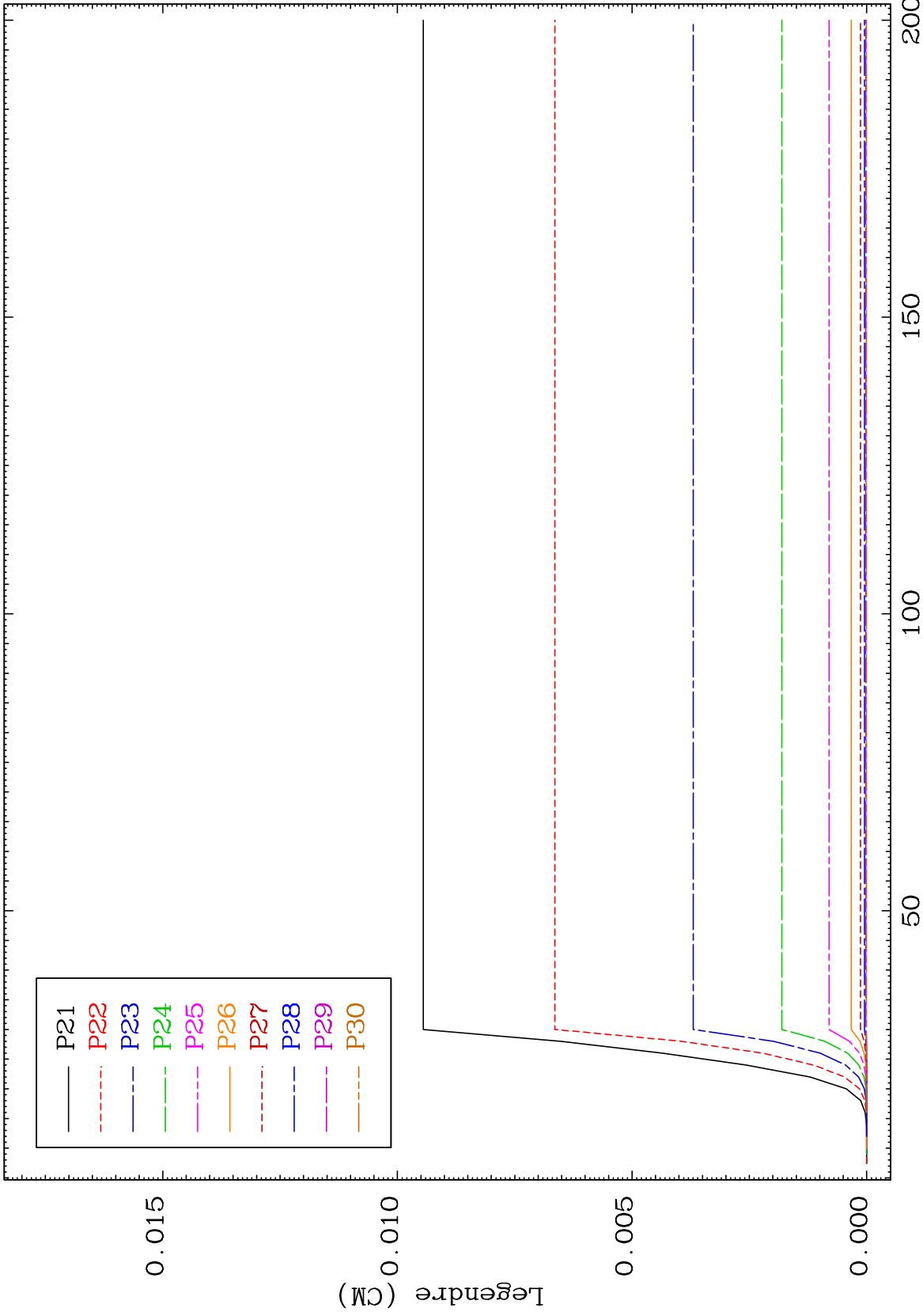
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



39

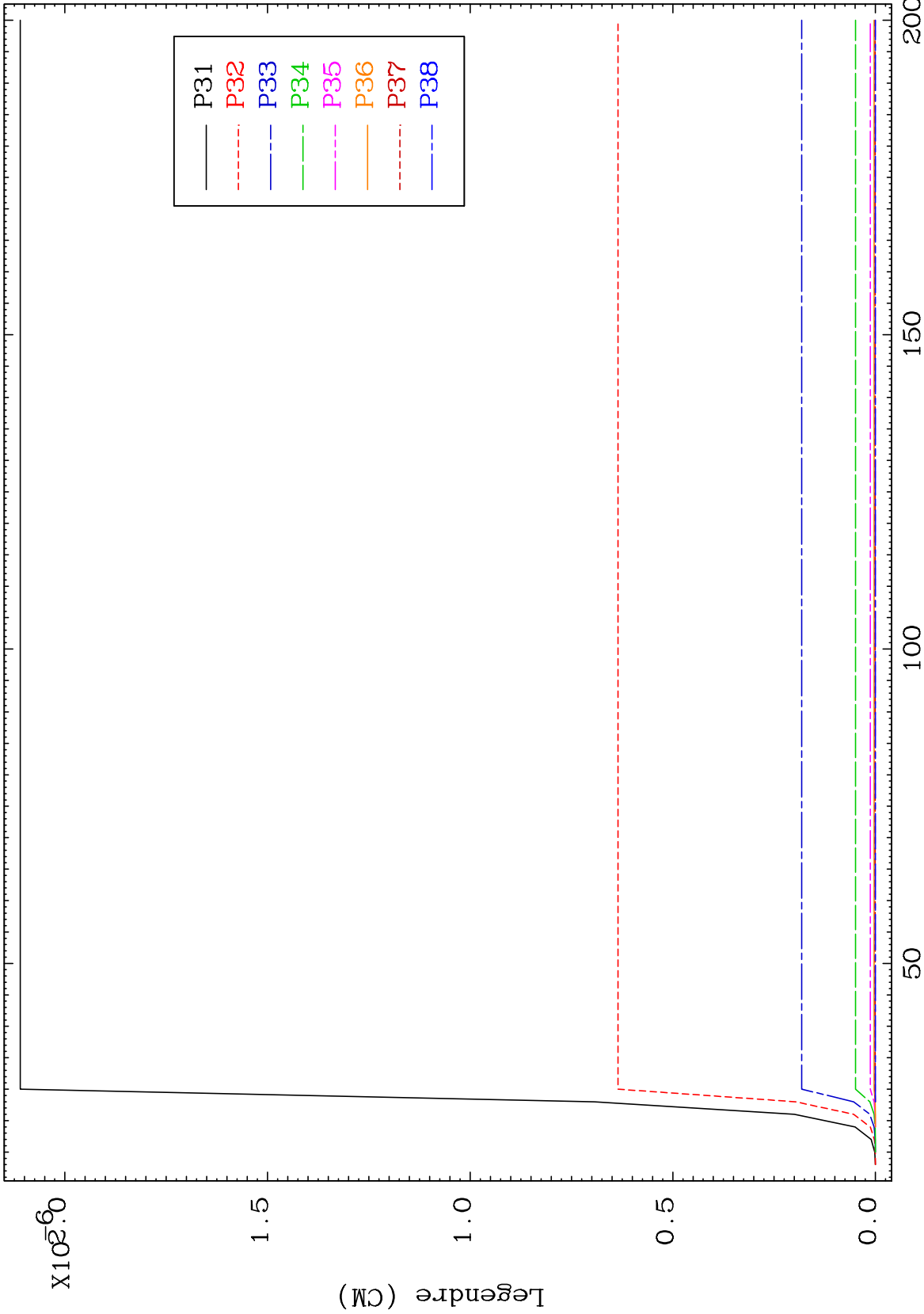
82-Pb-191



MAT 8186

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

82-Pb-191



40

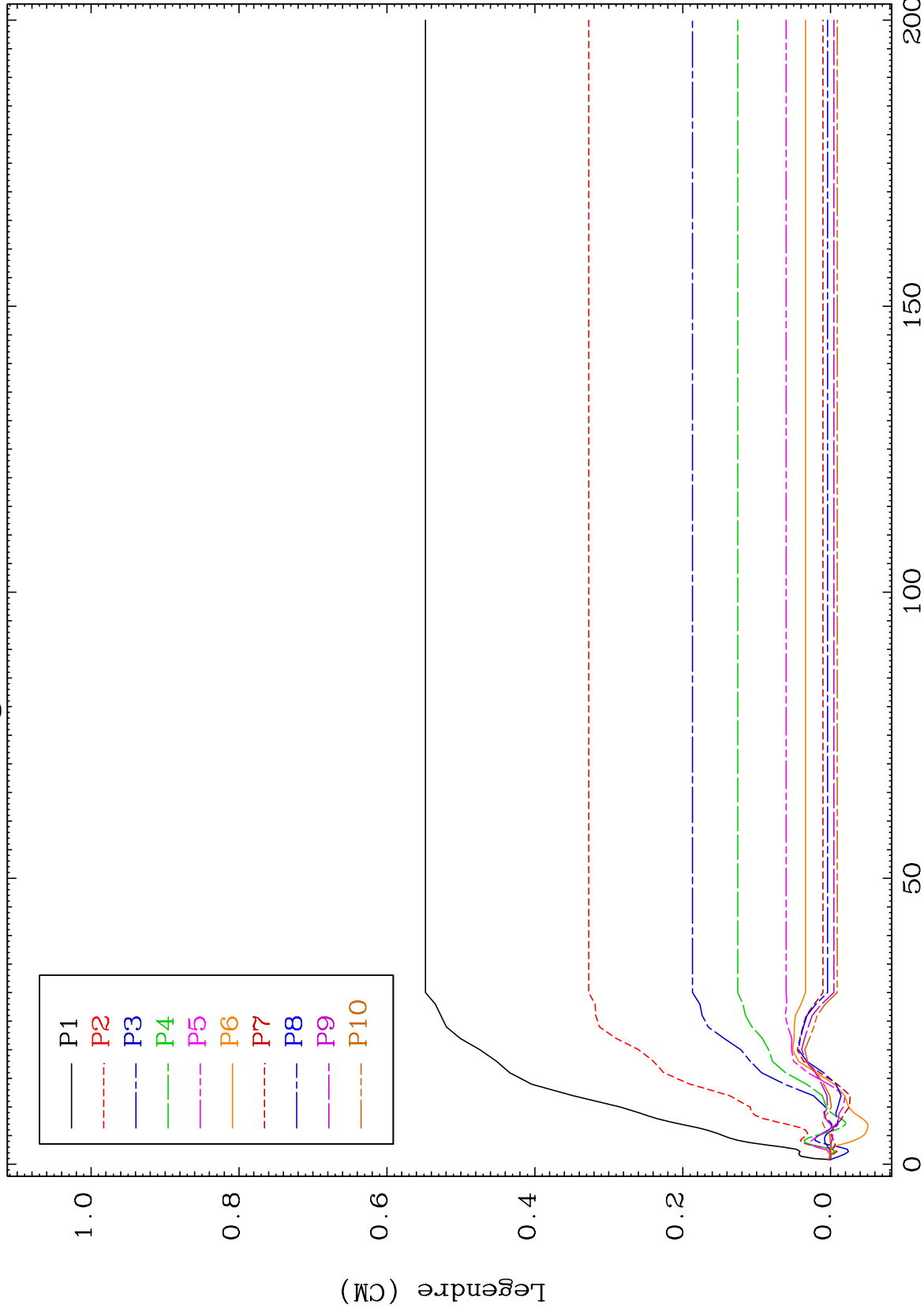
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



41

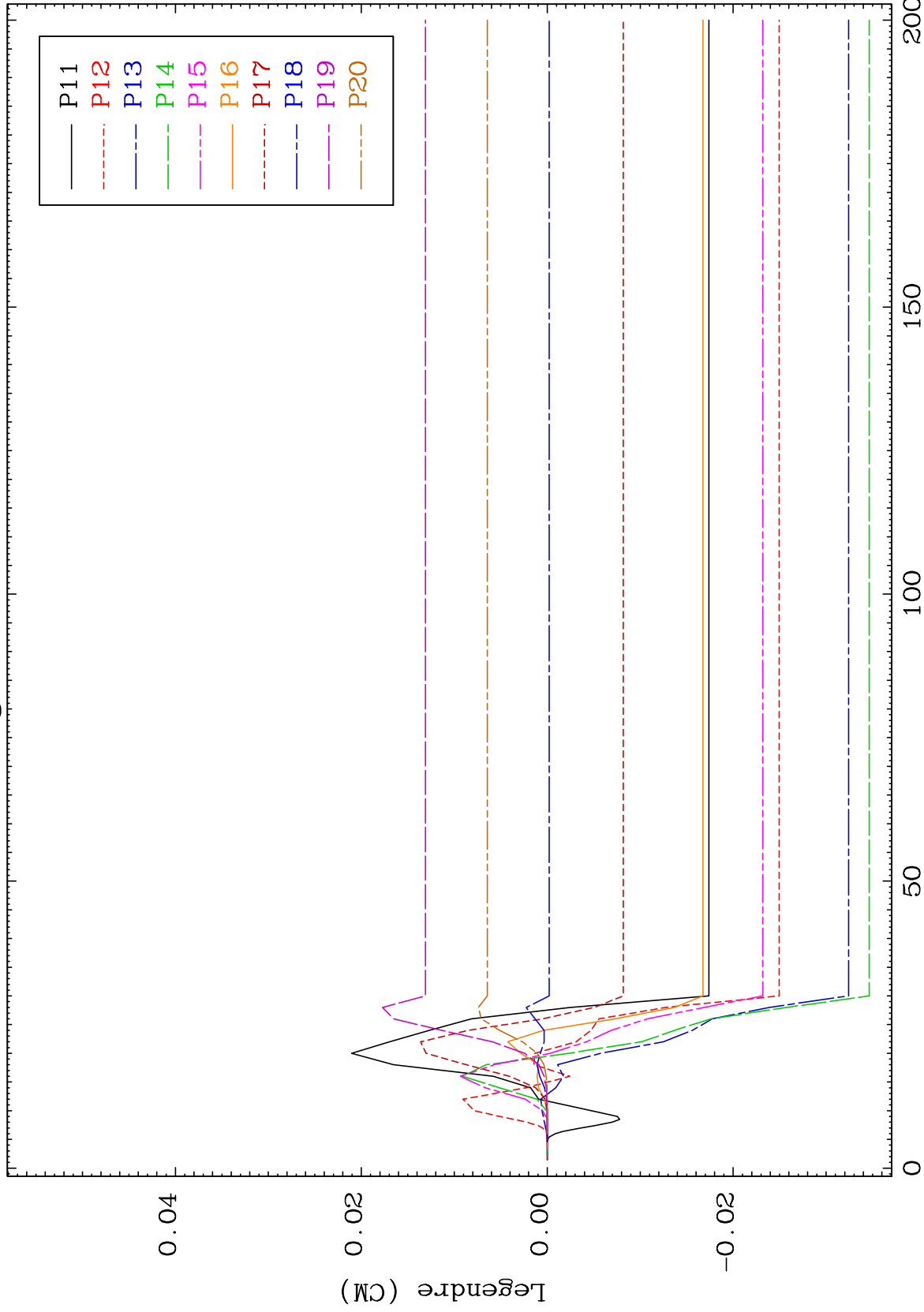
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



42

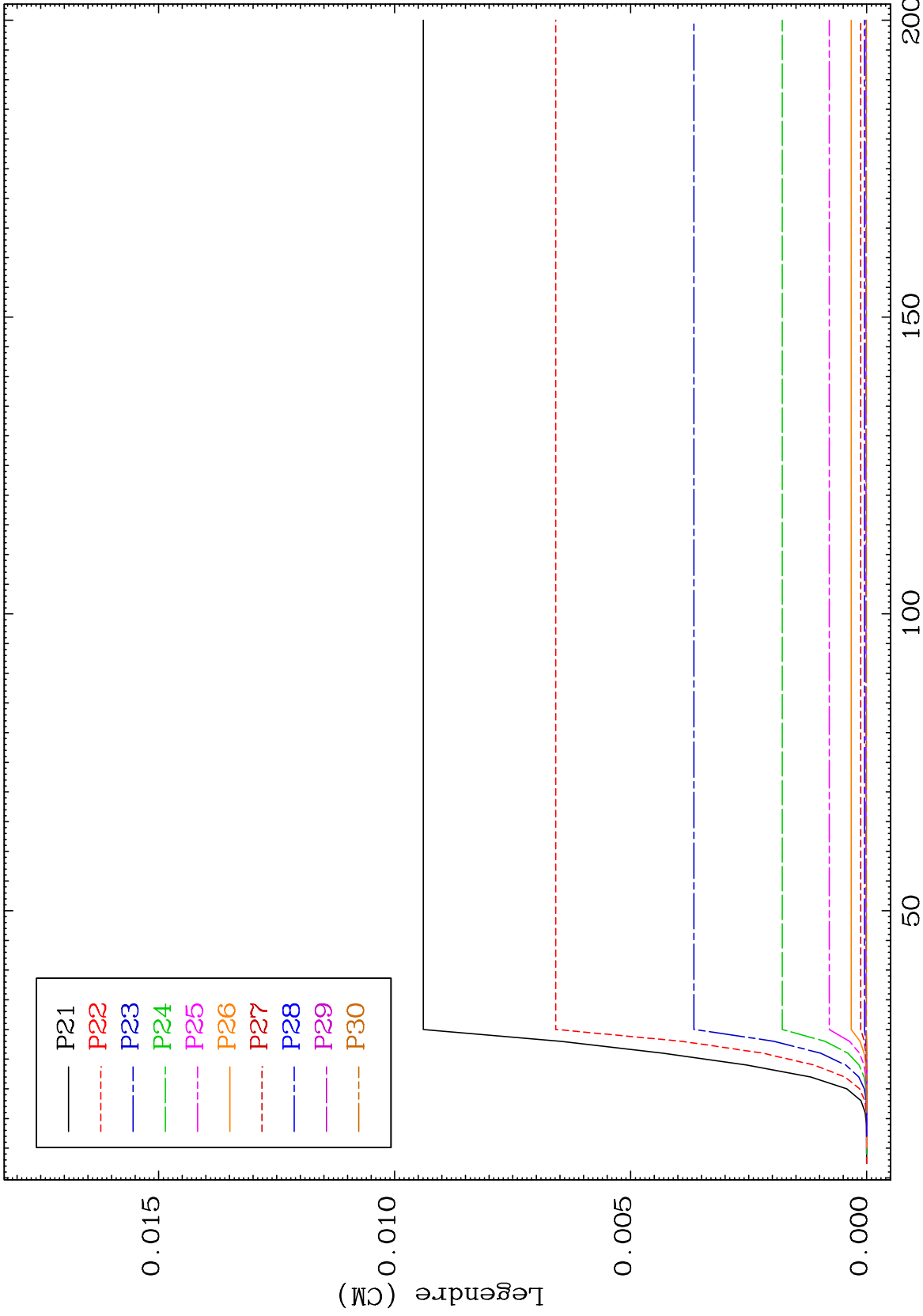
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



43

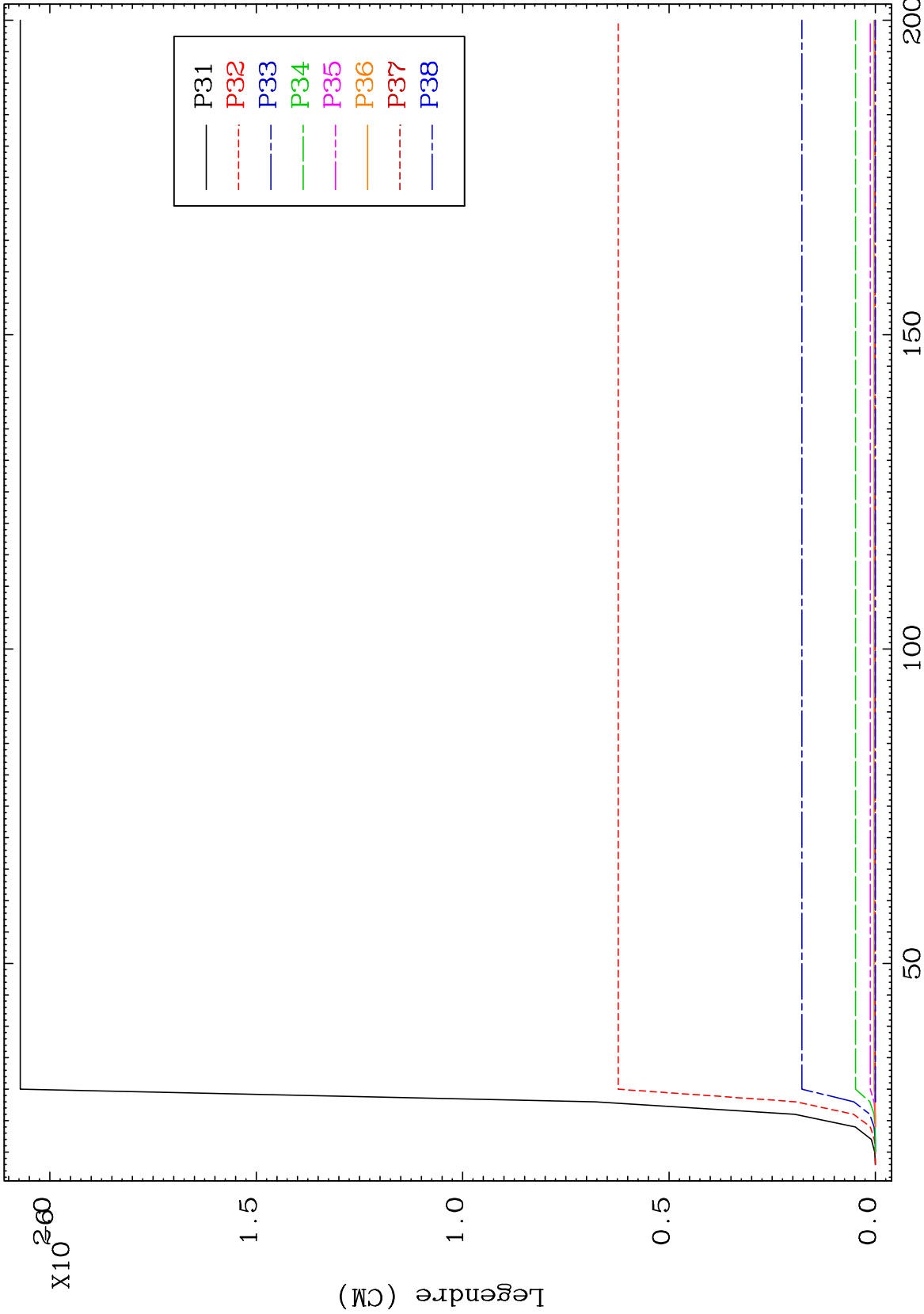
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



44

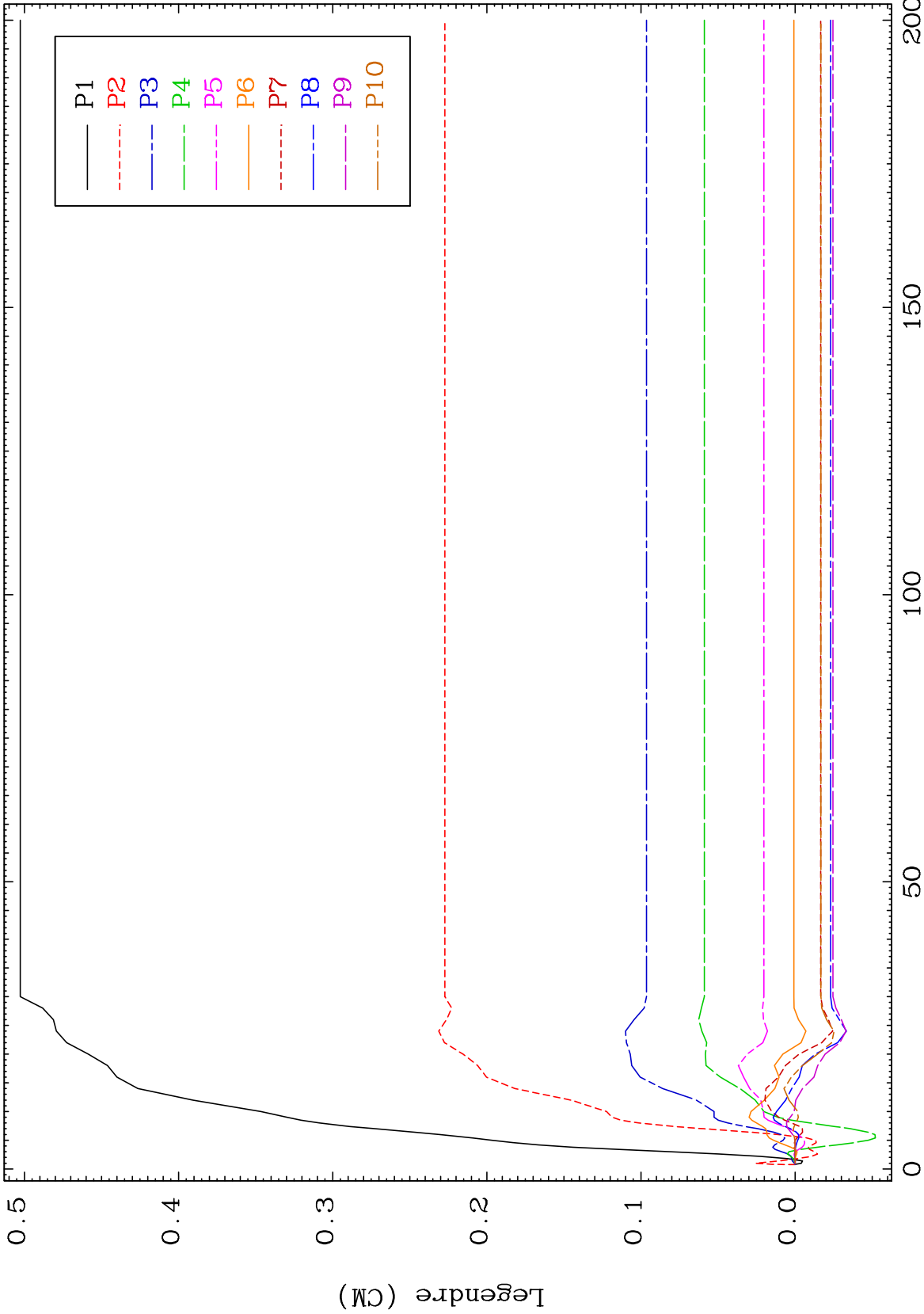
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



82-Pb-191

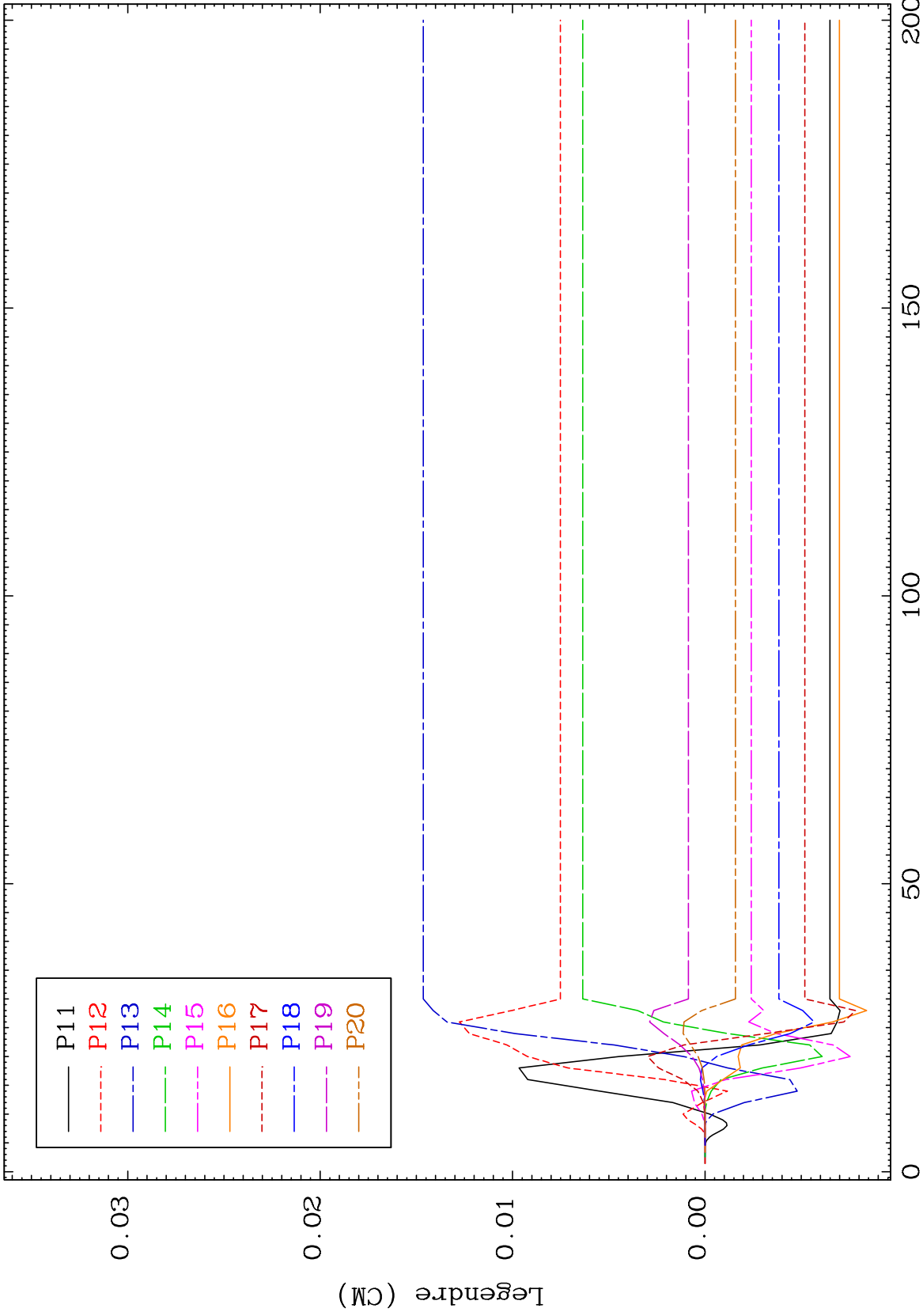
Incident Energy (MeV)

45

MAT 8186

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

82-Pb-191



46

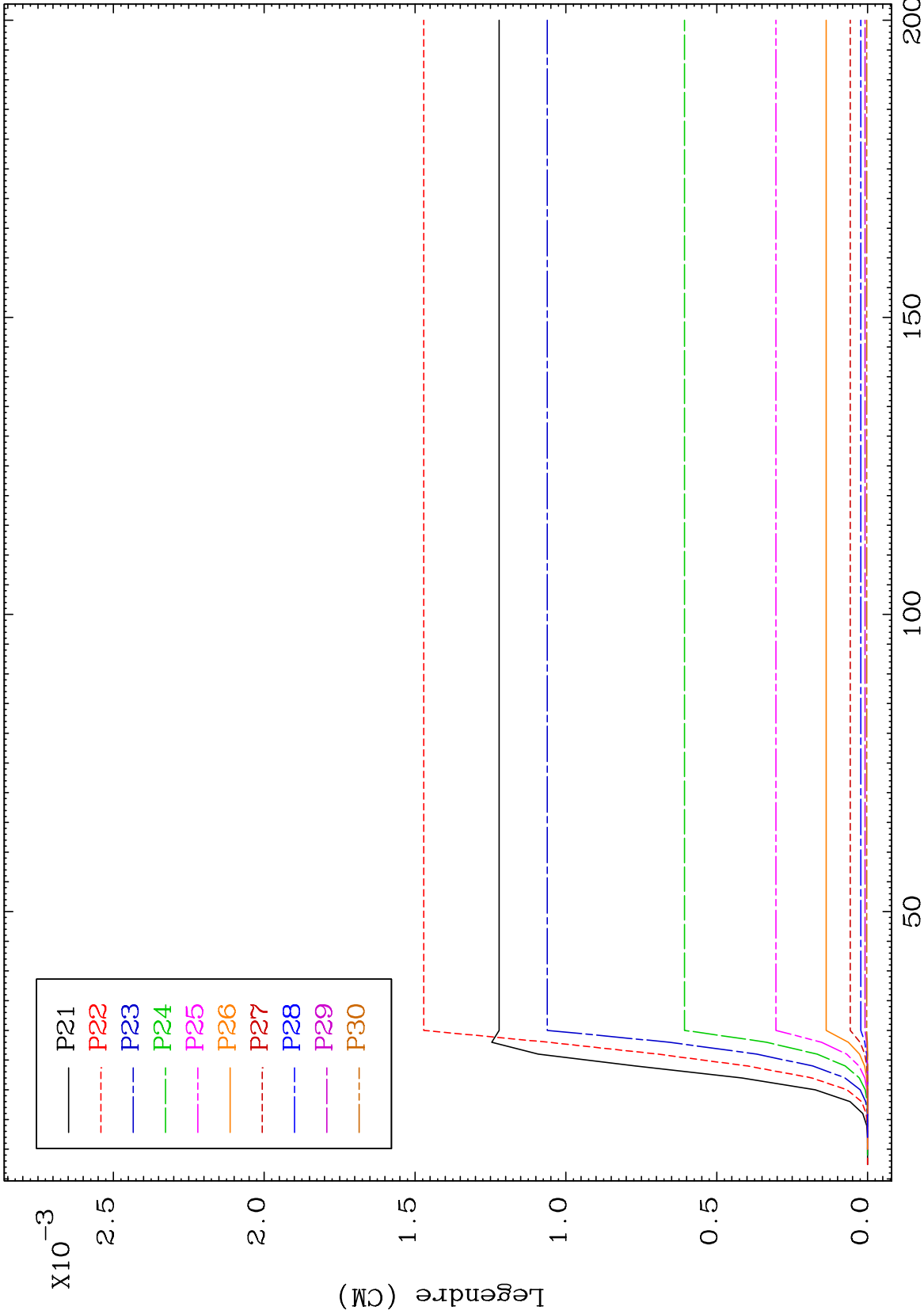
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



47

Incident Energy (MeV)

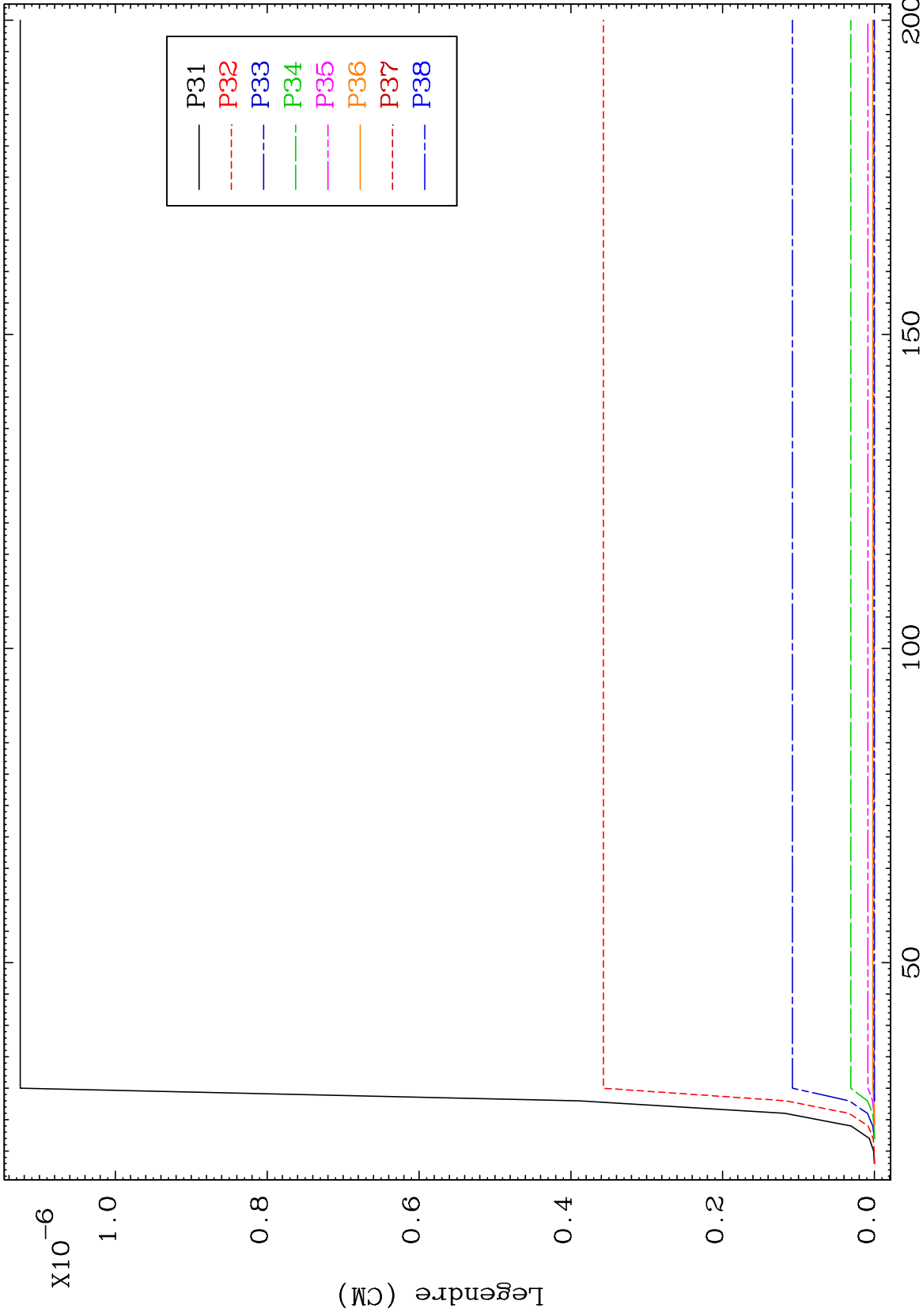
82-Pb-191



MAT 8186

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

82-Pb-191



48

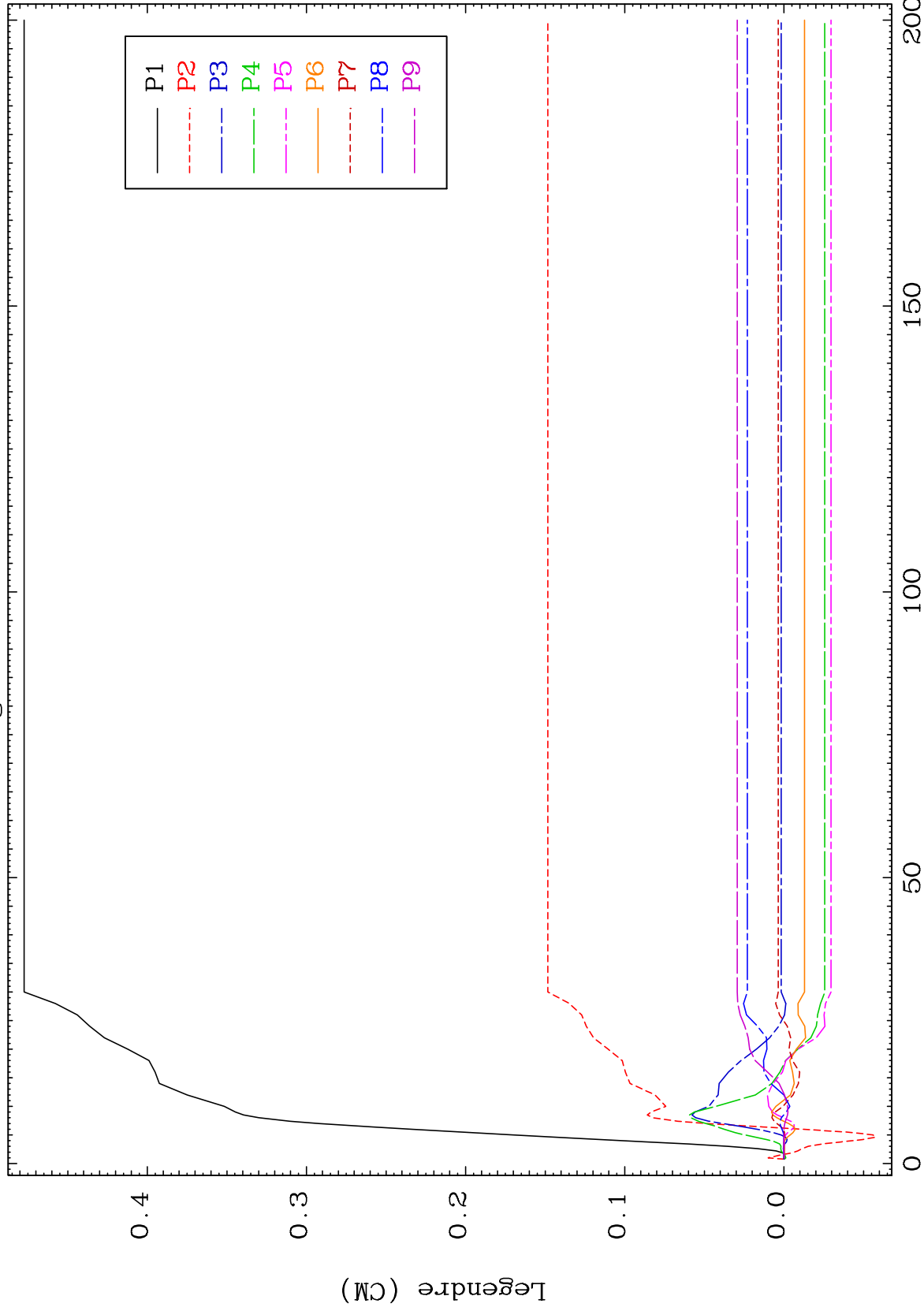
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



49

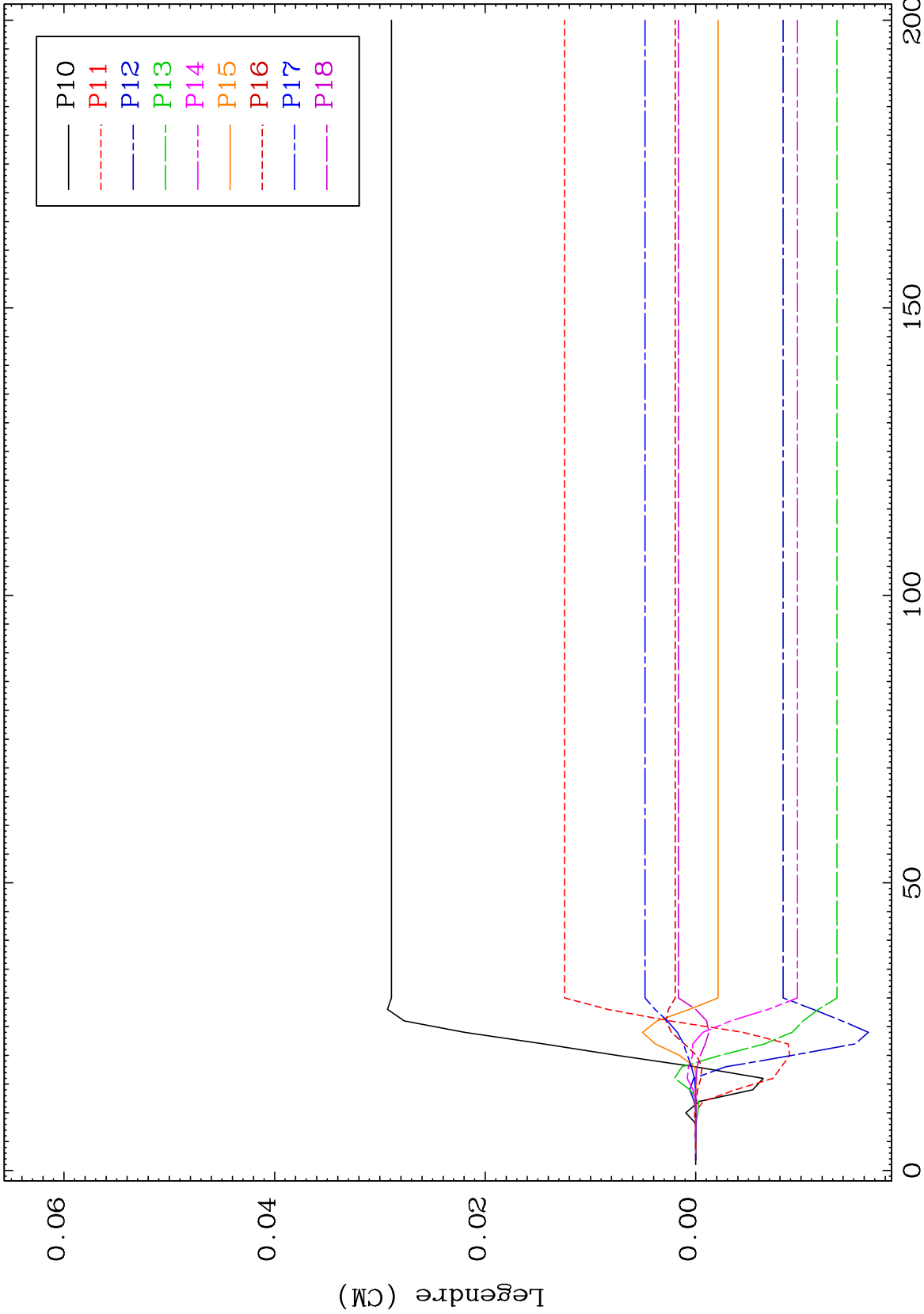
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



0

50

100

150

200

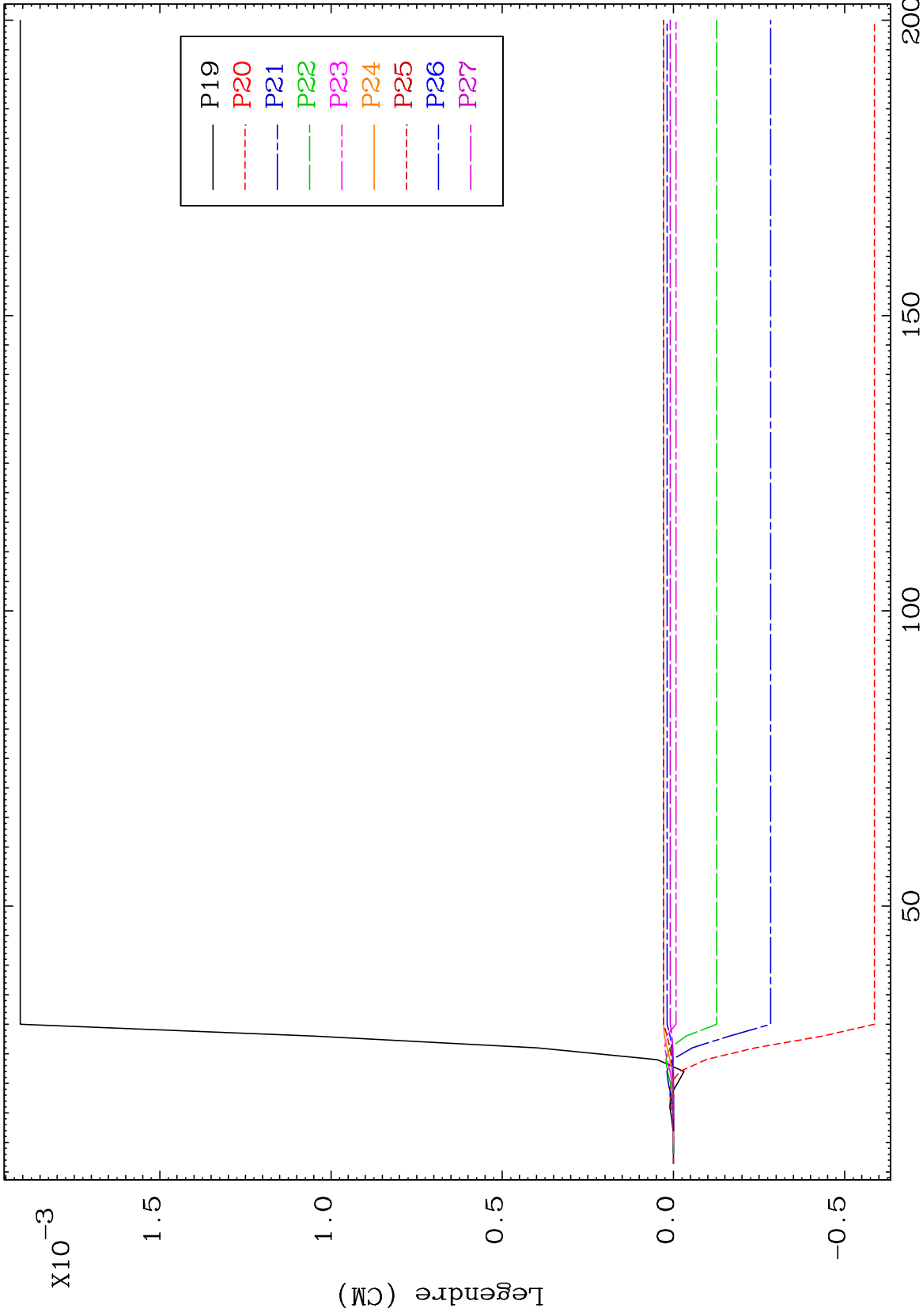
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



51

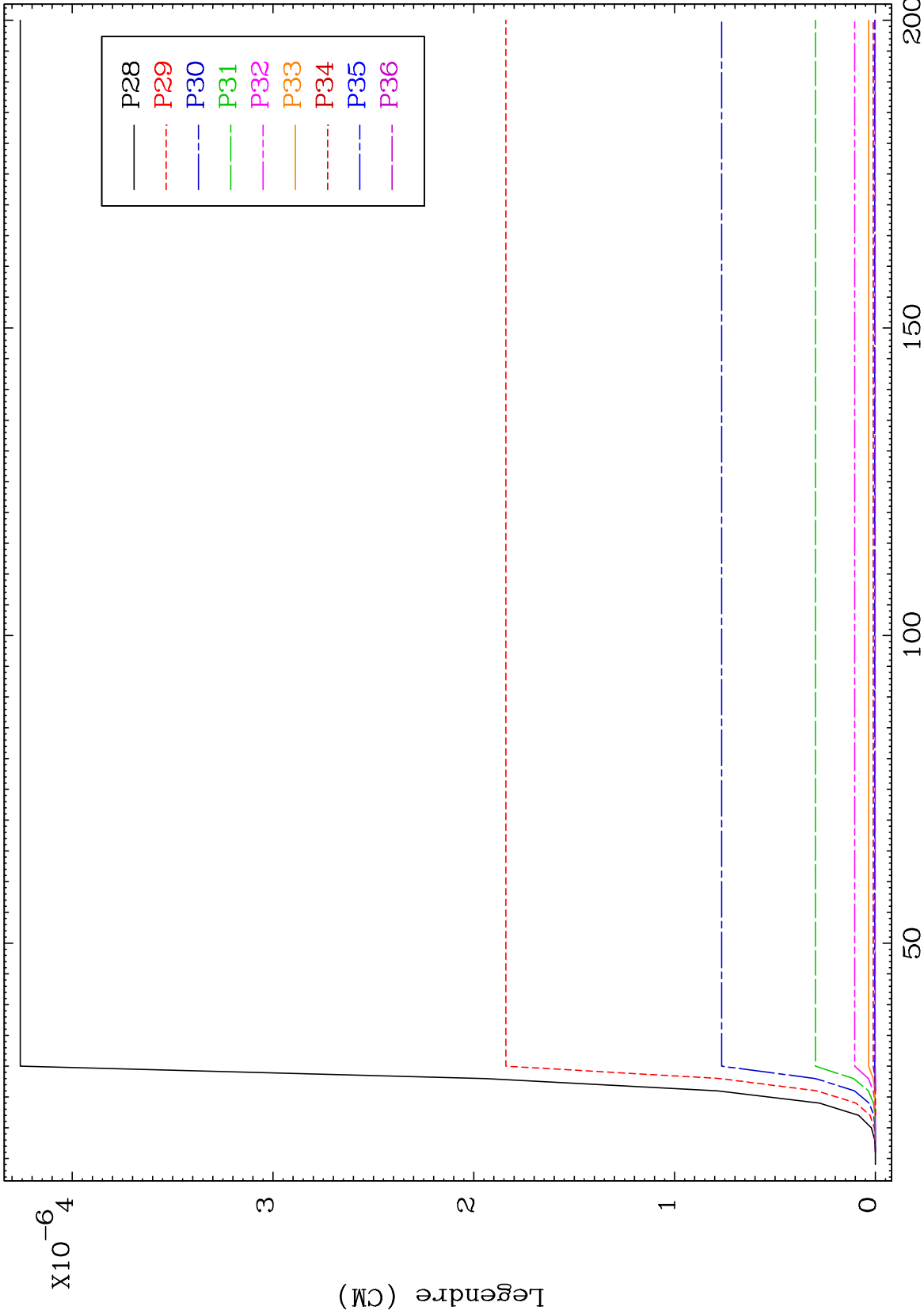
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



52

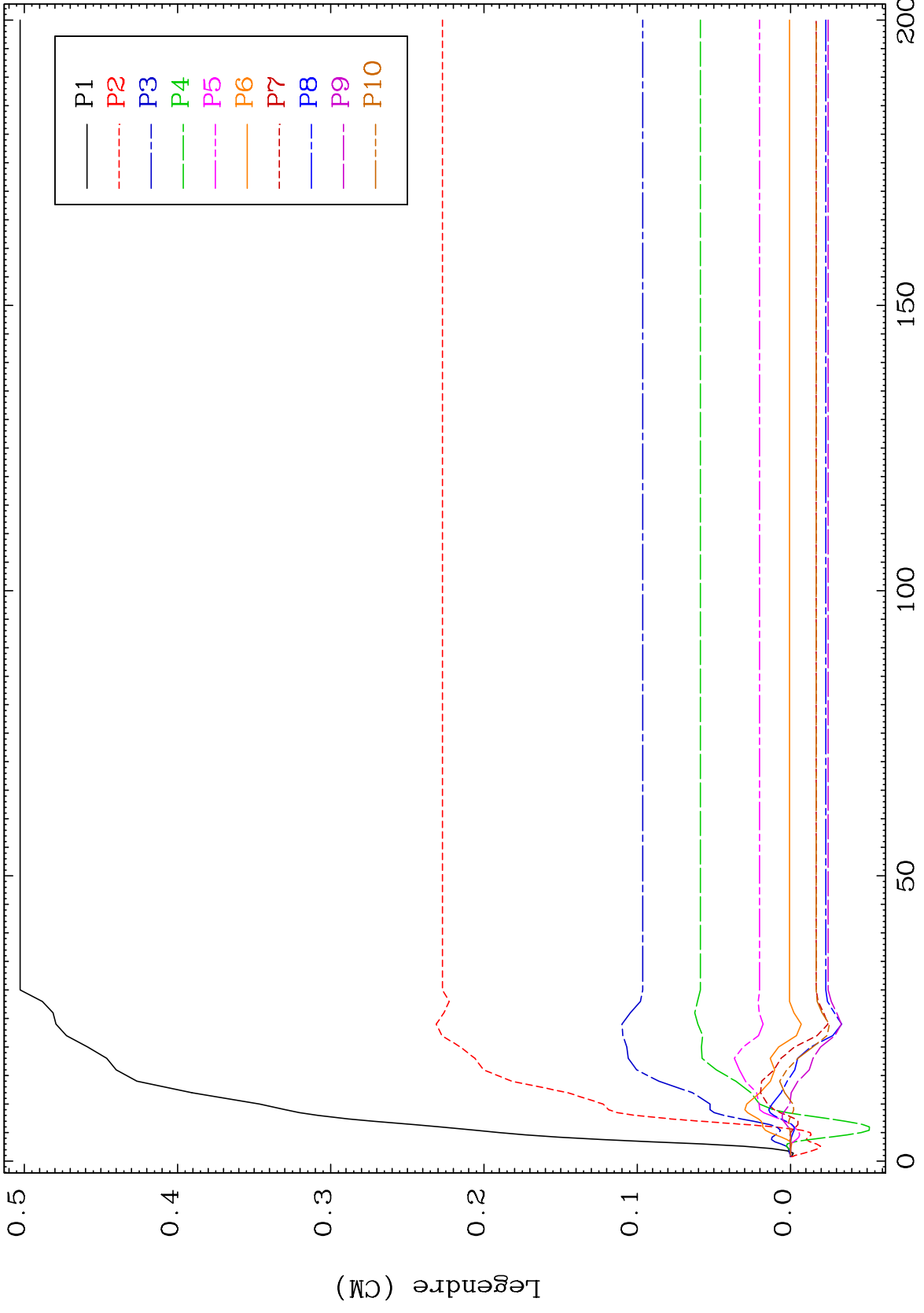
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



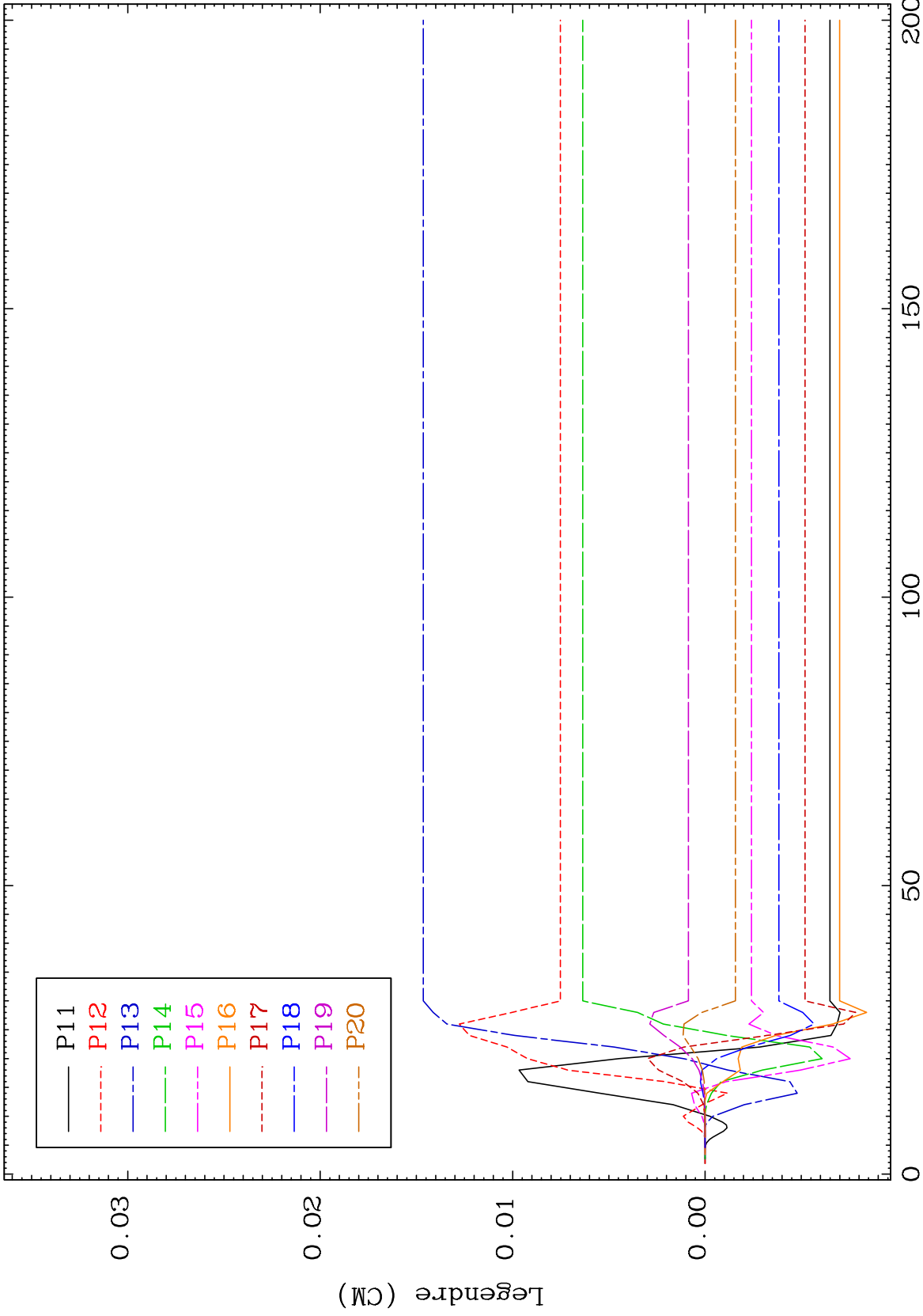
53

82-Pb-191

MAT 8186

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

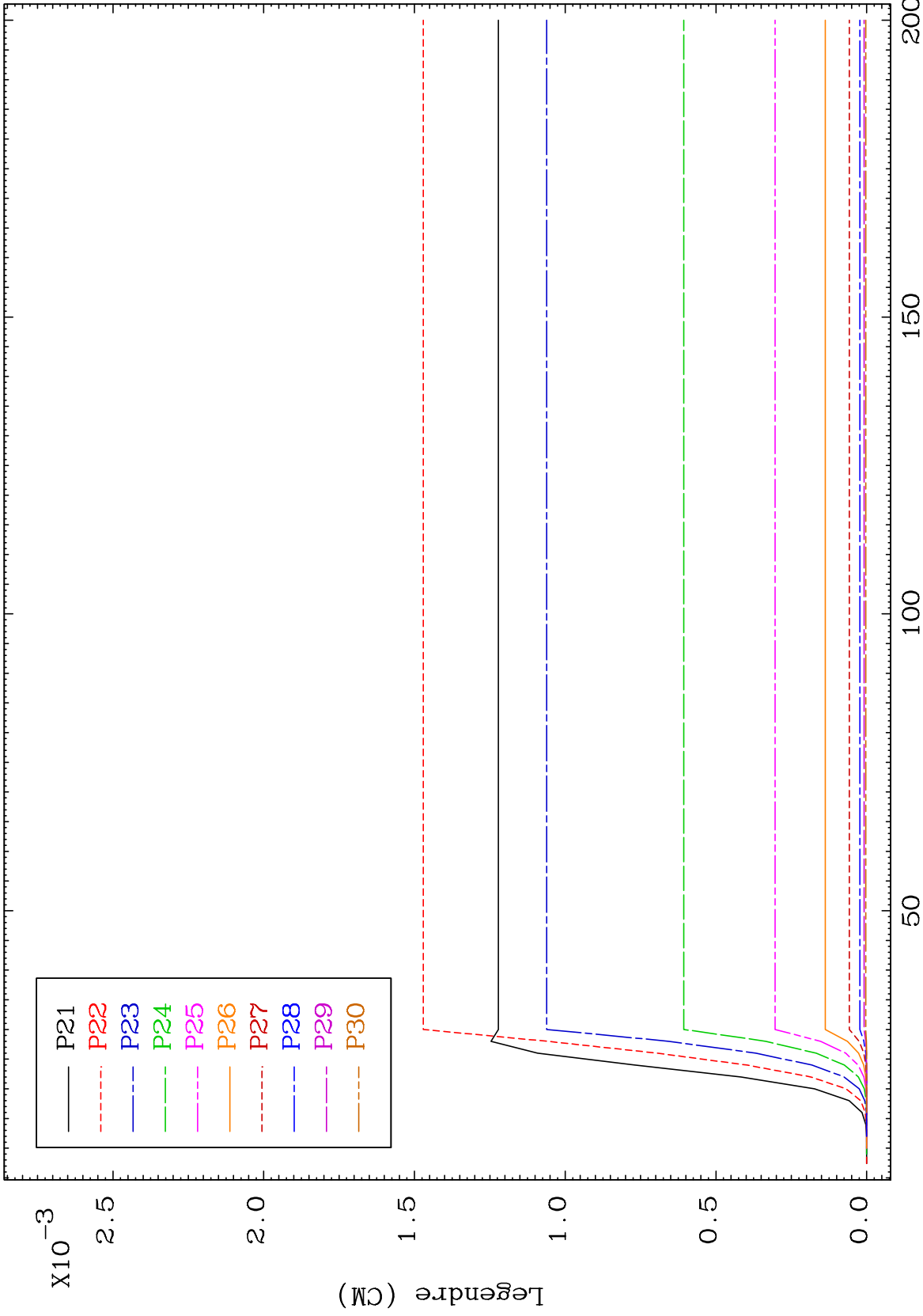
82-Pb-191



MAT 8186

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

82-Pb-191



55

Incident Energy (MeV)

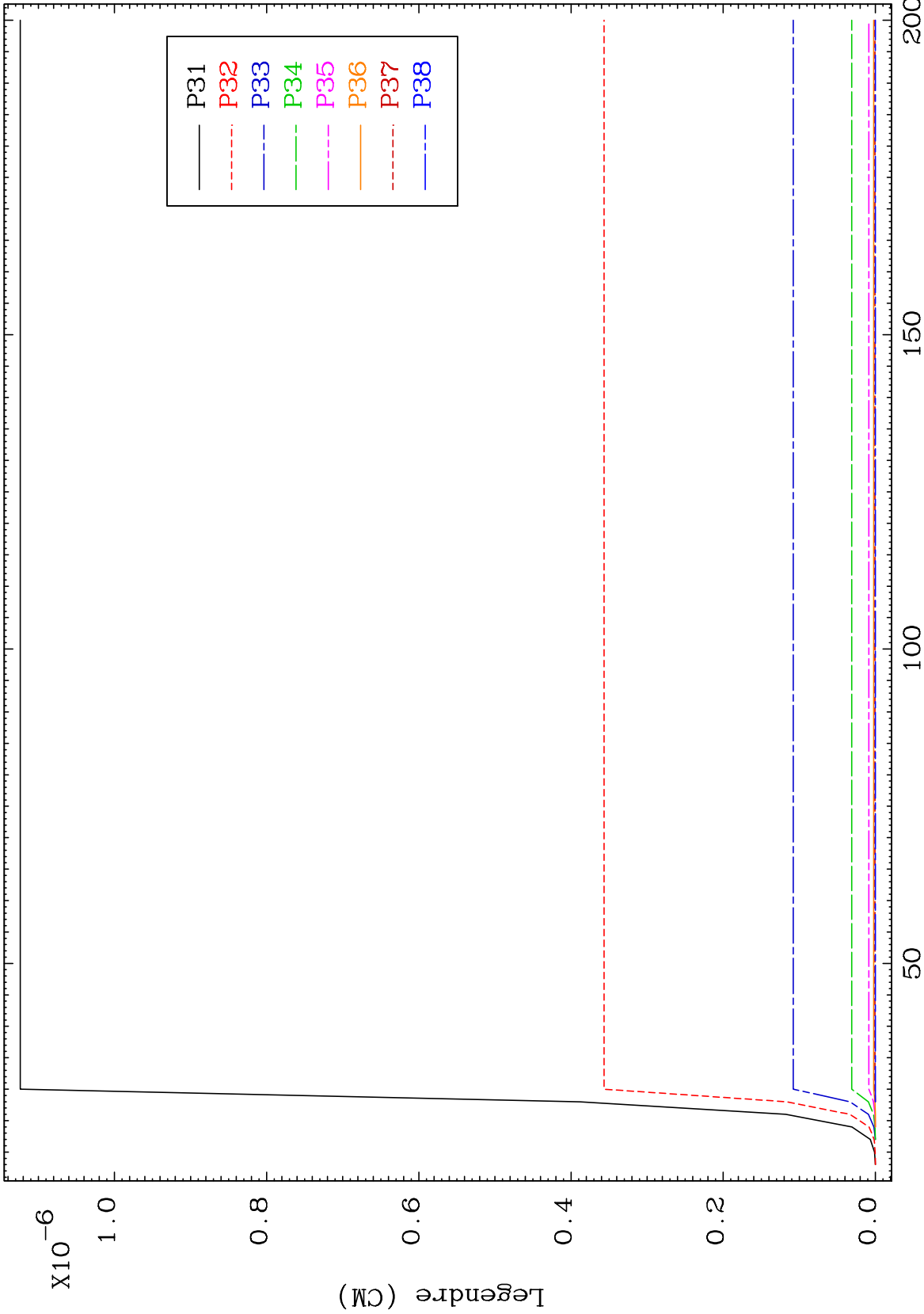
82-Pb-191



MAT 8186

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

82-Pb-191



56

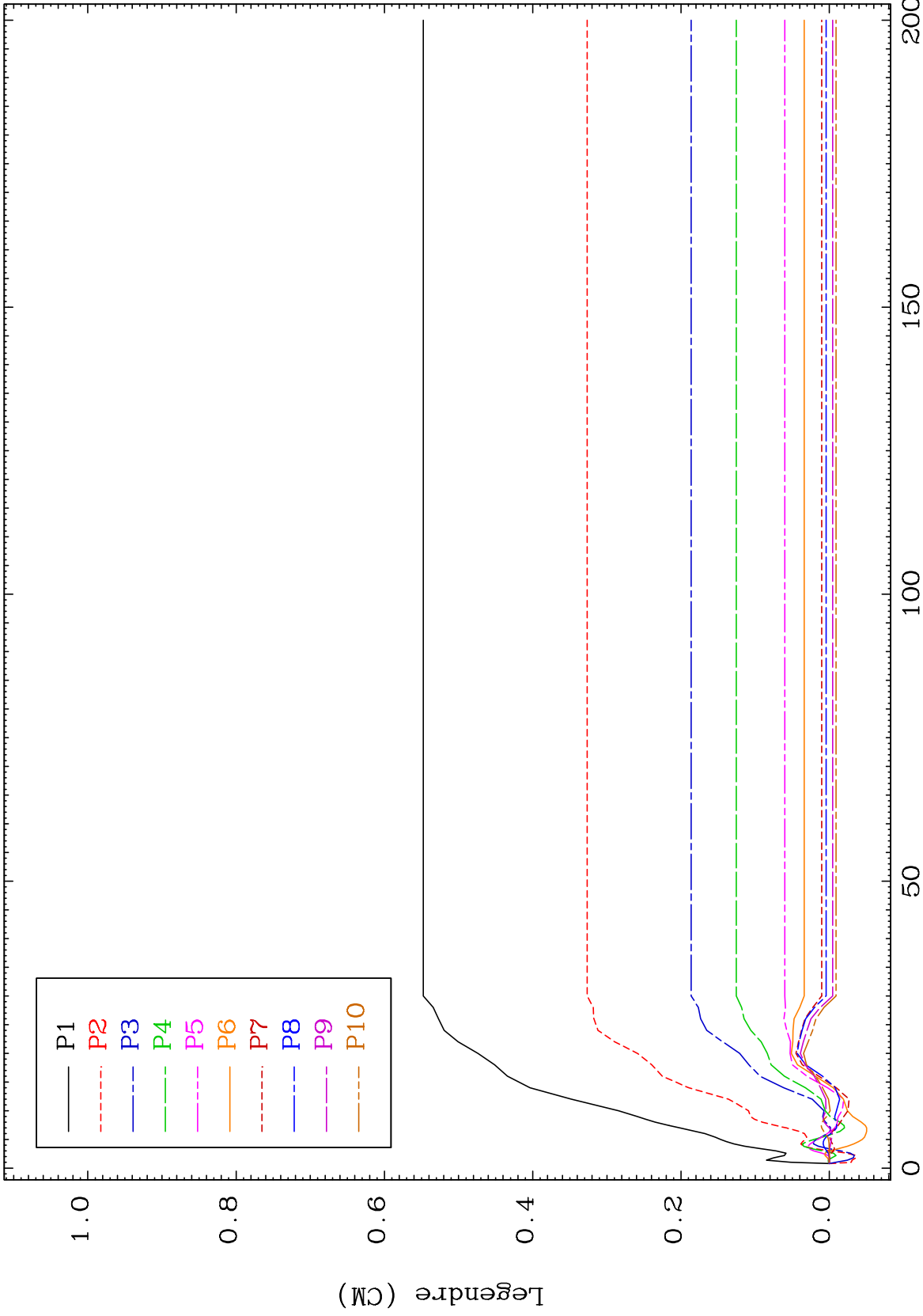
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



57

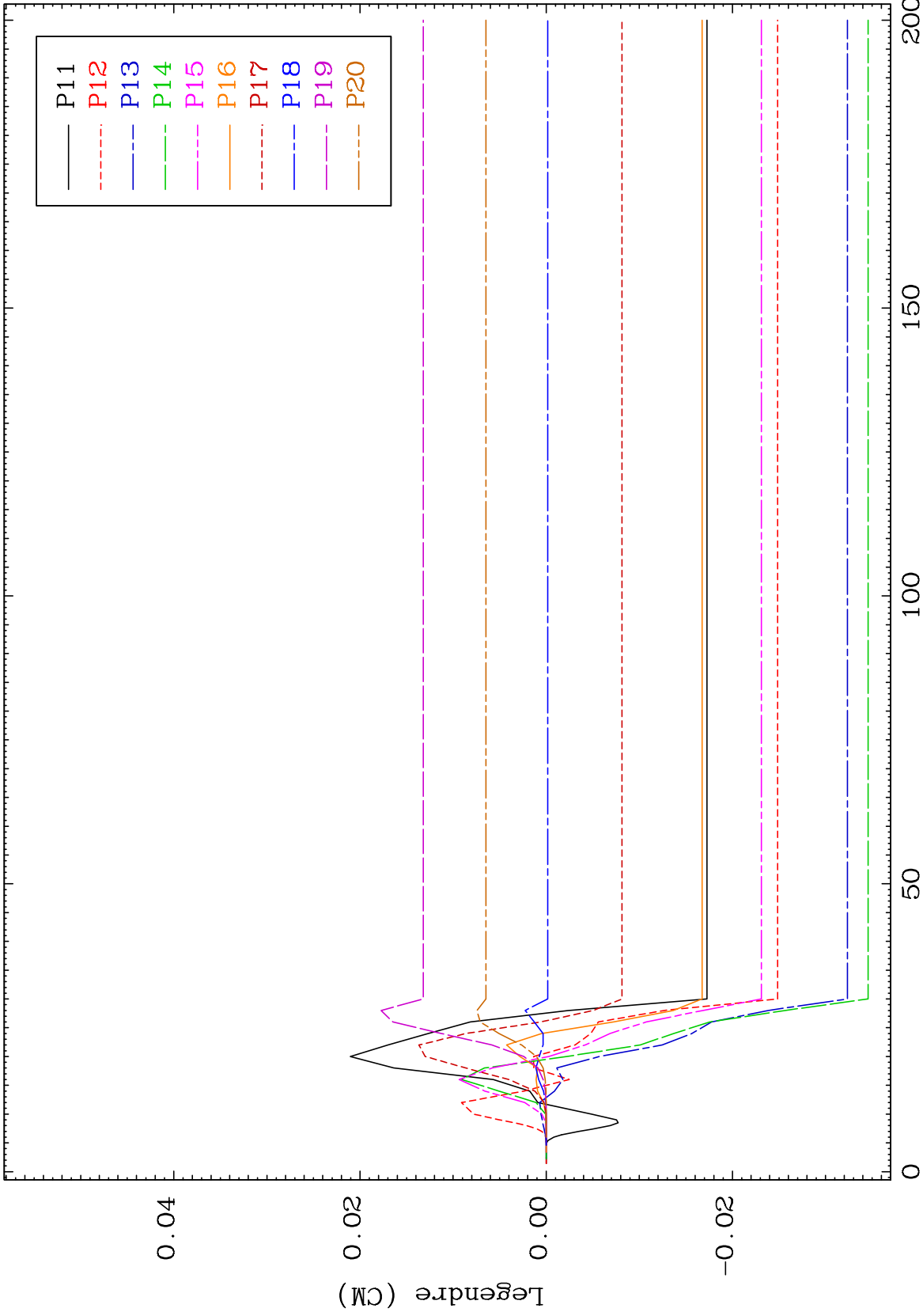
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



58

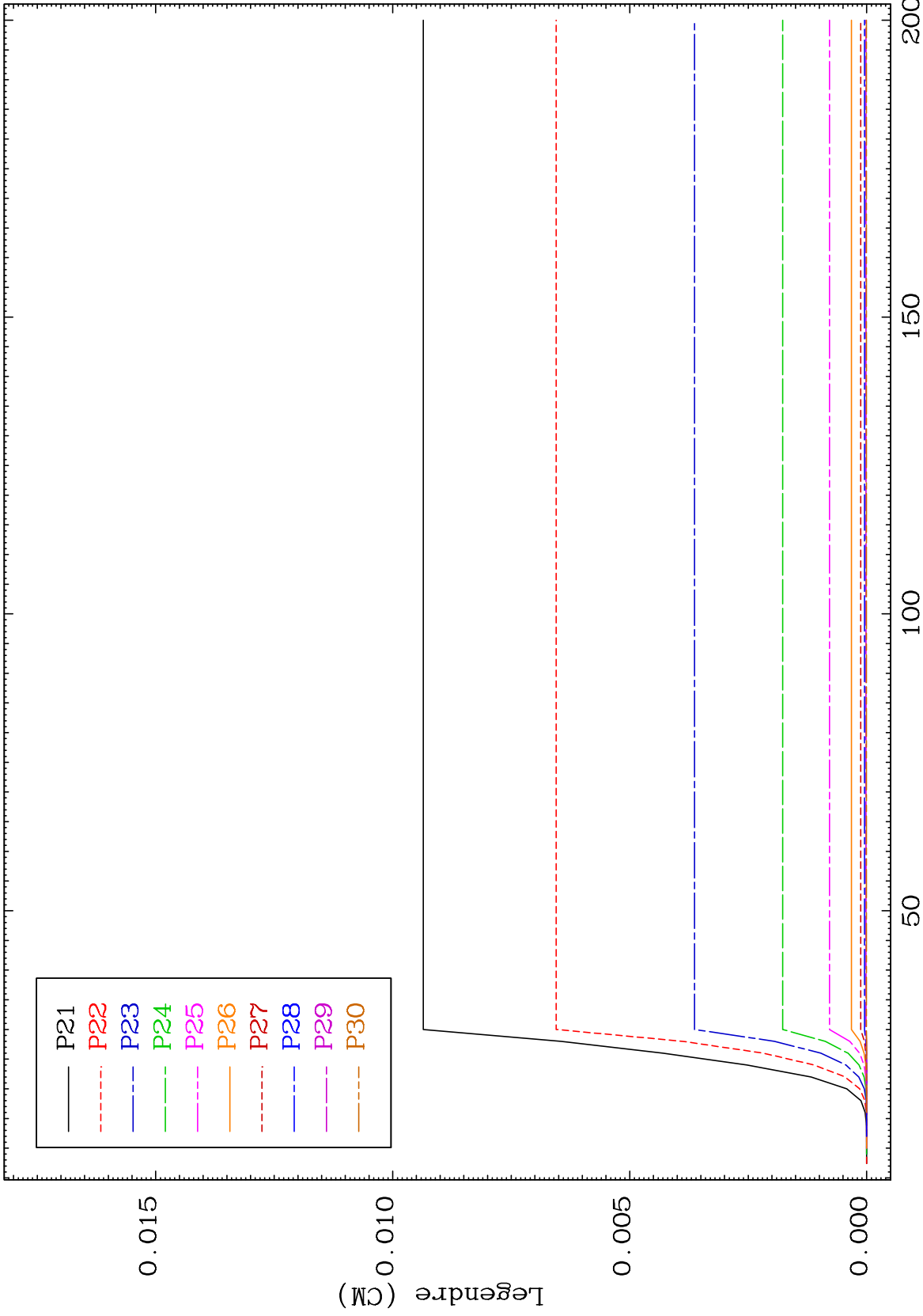
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



59

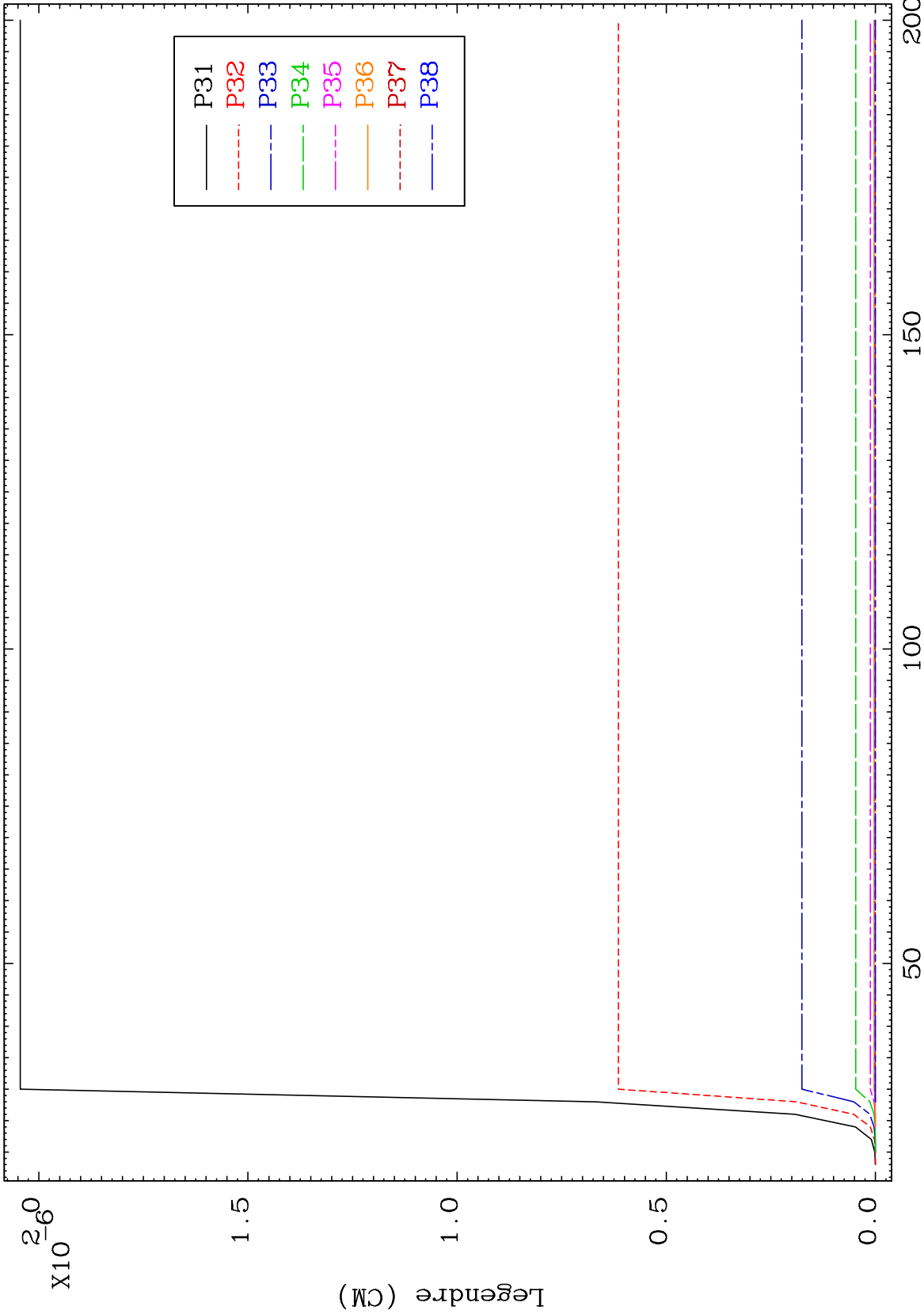
Incident Energy (MeV)

82-Pb-191

MAT 8186

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

82-Pb-191



60

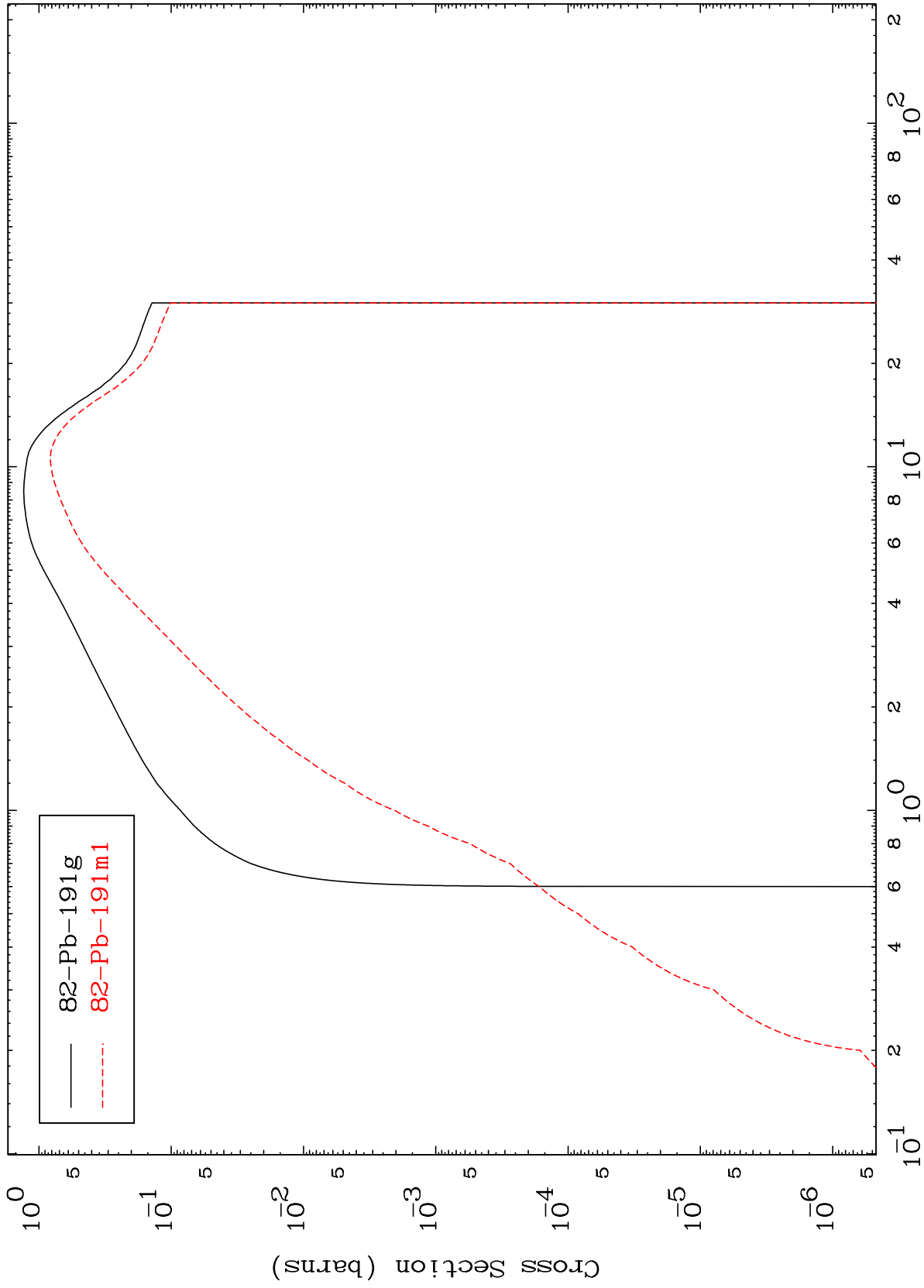
Incident Energy (MeV)

82-Pb-191

MAT 8186

# Inelastic Radionuclide Production Cross Section

82-Pb-191



61

82-Pb-191

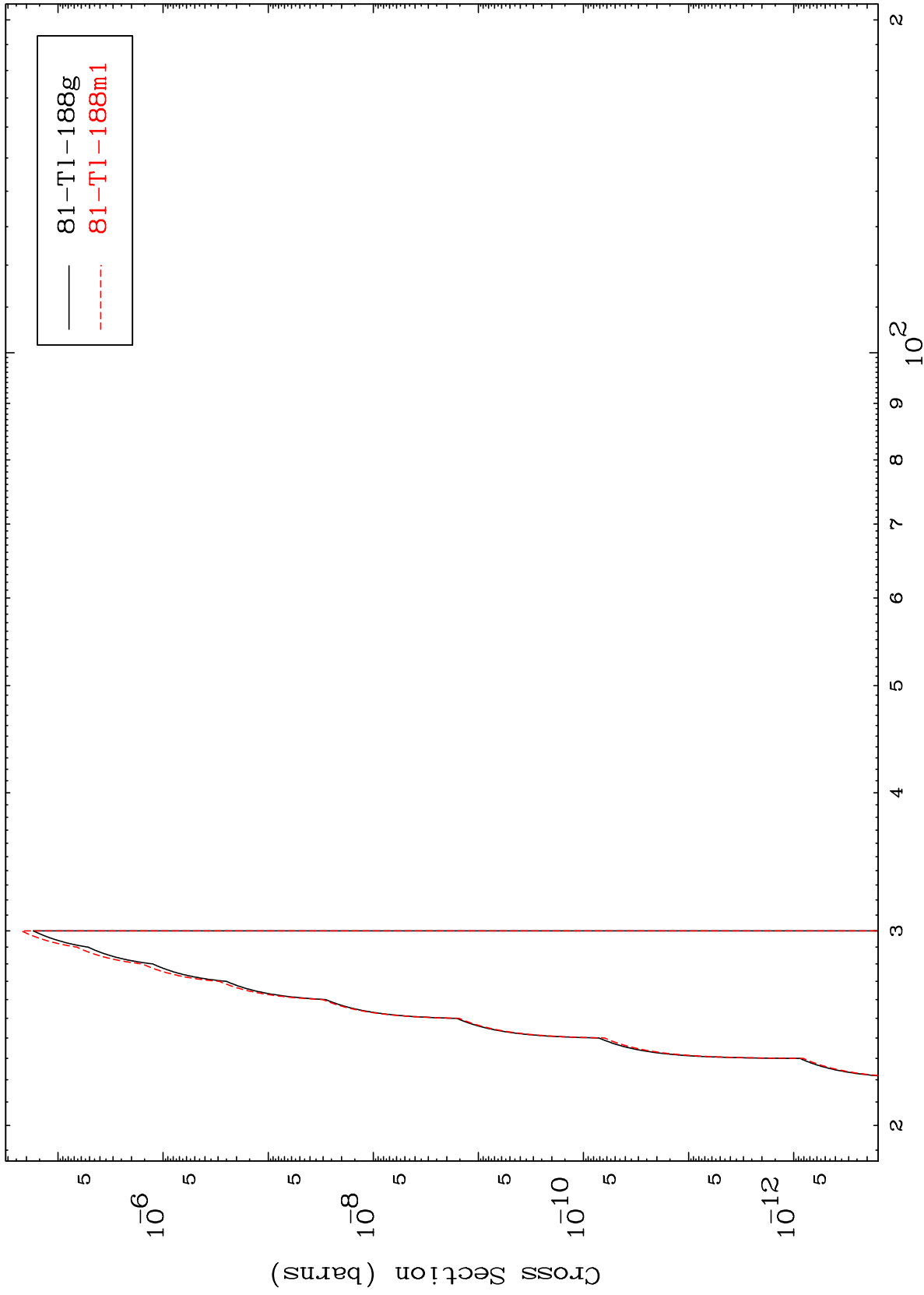
82-Pb-191

MAT 8186

(n,2n) d

82-Pb-191

Radionuclide Production Cross Section



62

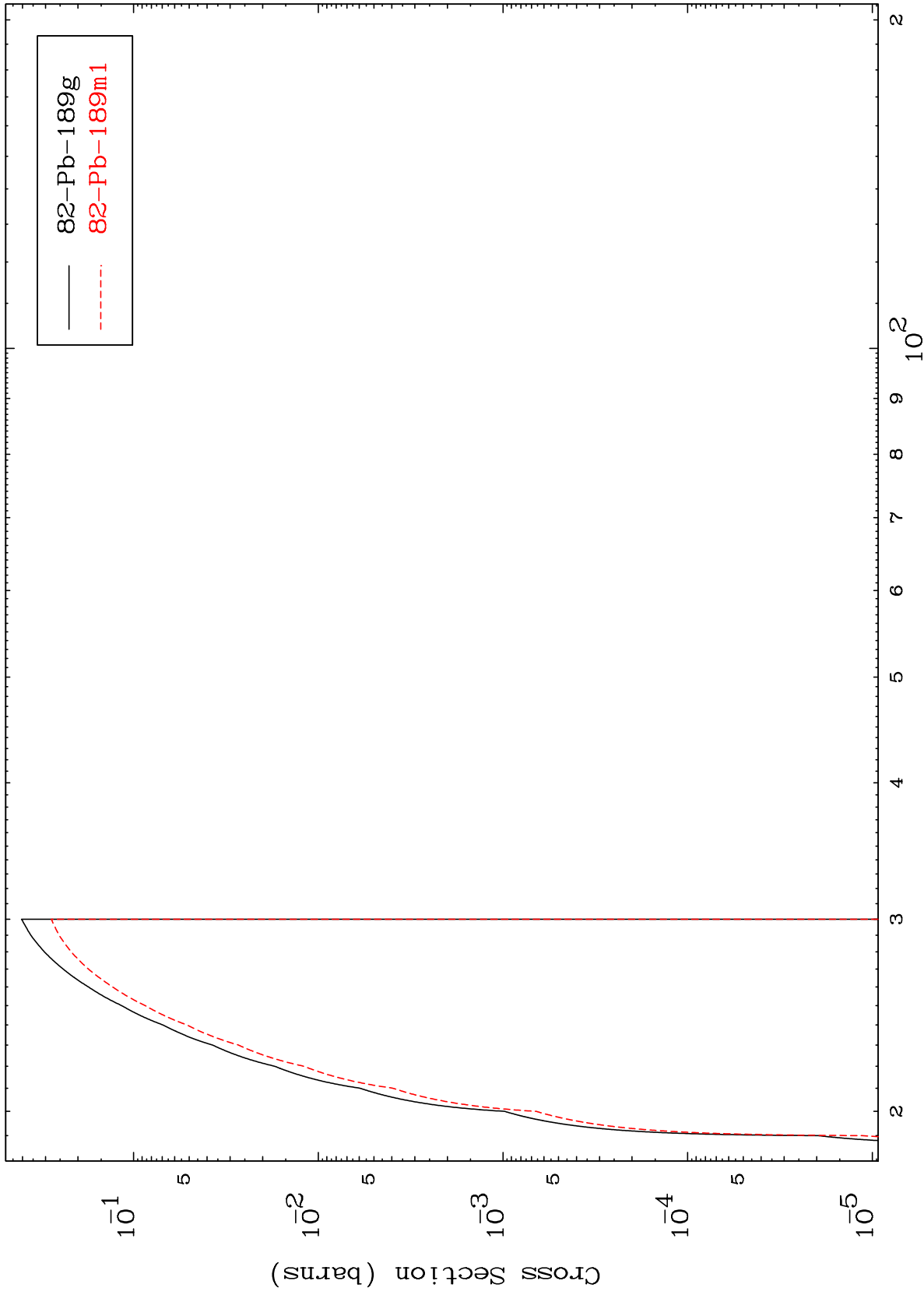
Incident Energy (MeV)

82-Pb-191

MAT 8186

82-Pb-191

(n,3n)  
Radionuclide Production Cross Section



63

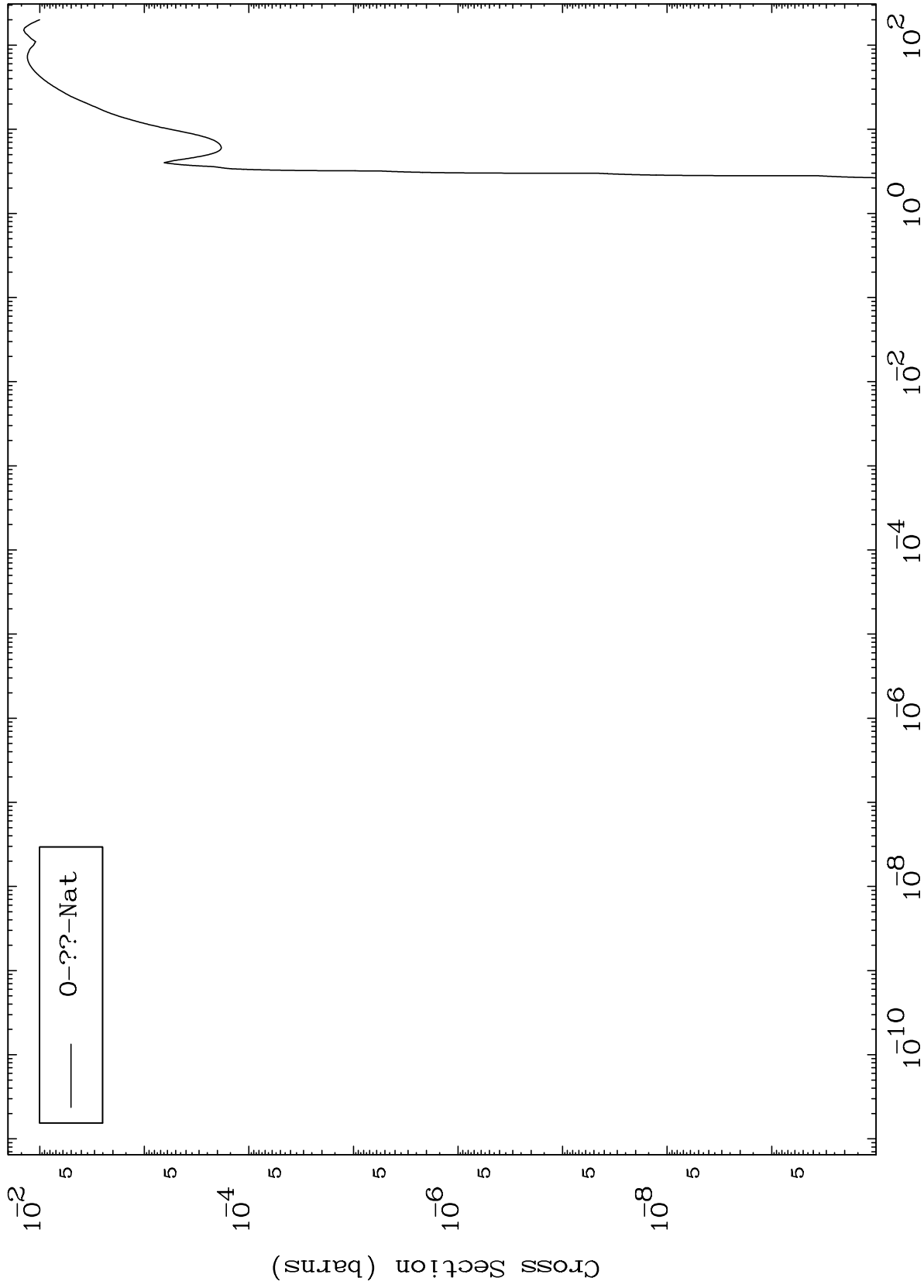
82-Pb-191



MAT 8186

Fission  
Radionuclide Production Cross Section

82-Pb-191



64

Incident Energy (MeV)

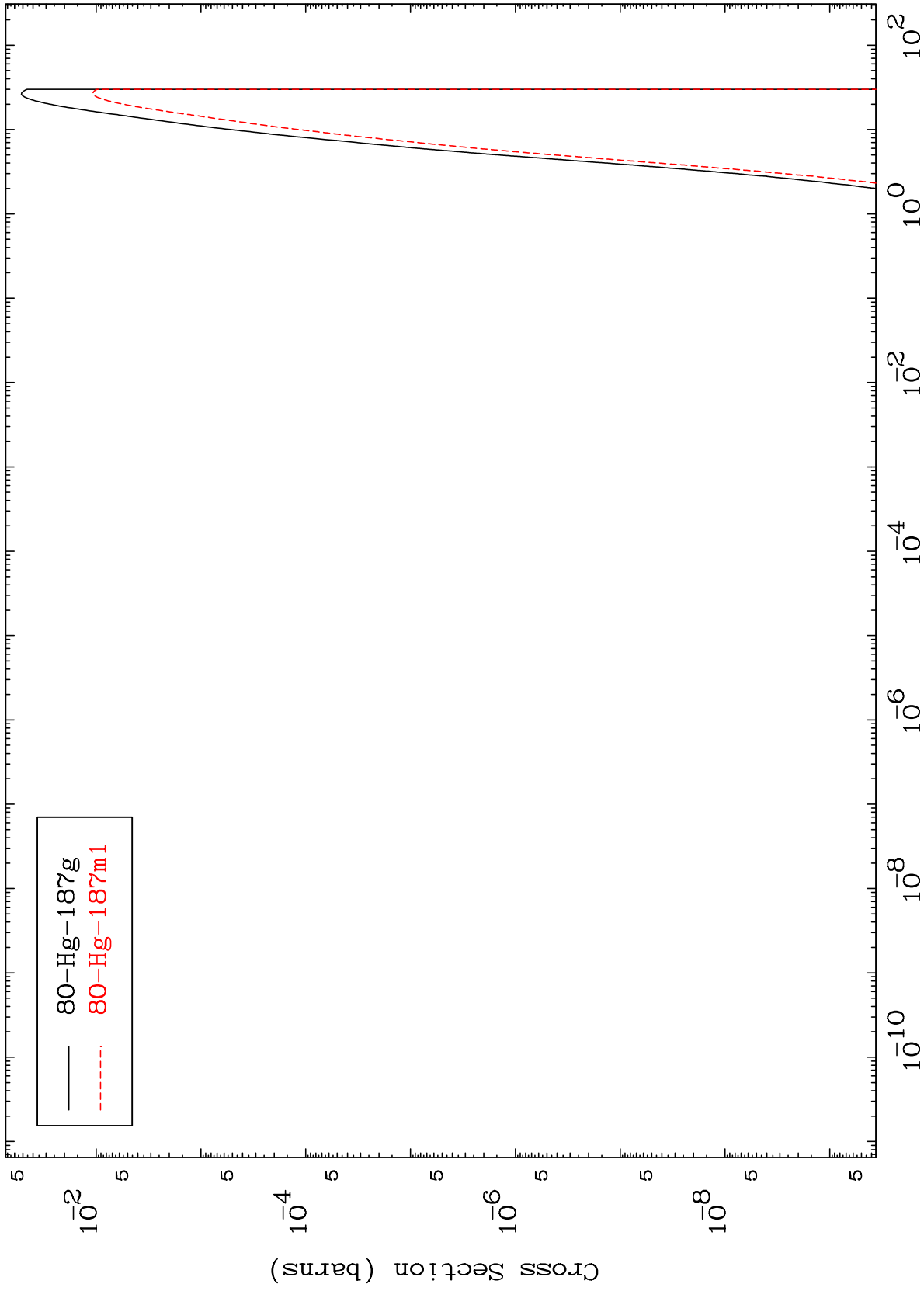
82-Pb-191

MAT 8186

(n,n')  $\alpha$

82-Pb-191

Radionuclide Production Cross Section



65

Incident Energy (MeV)

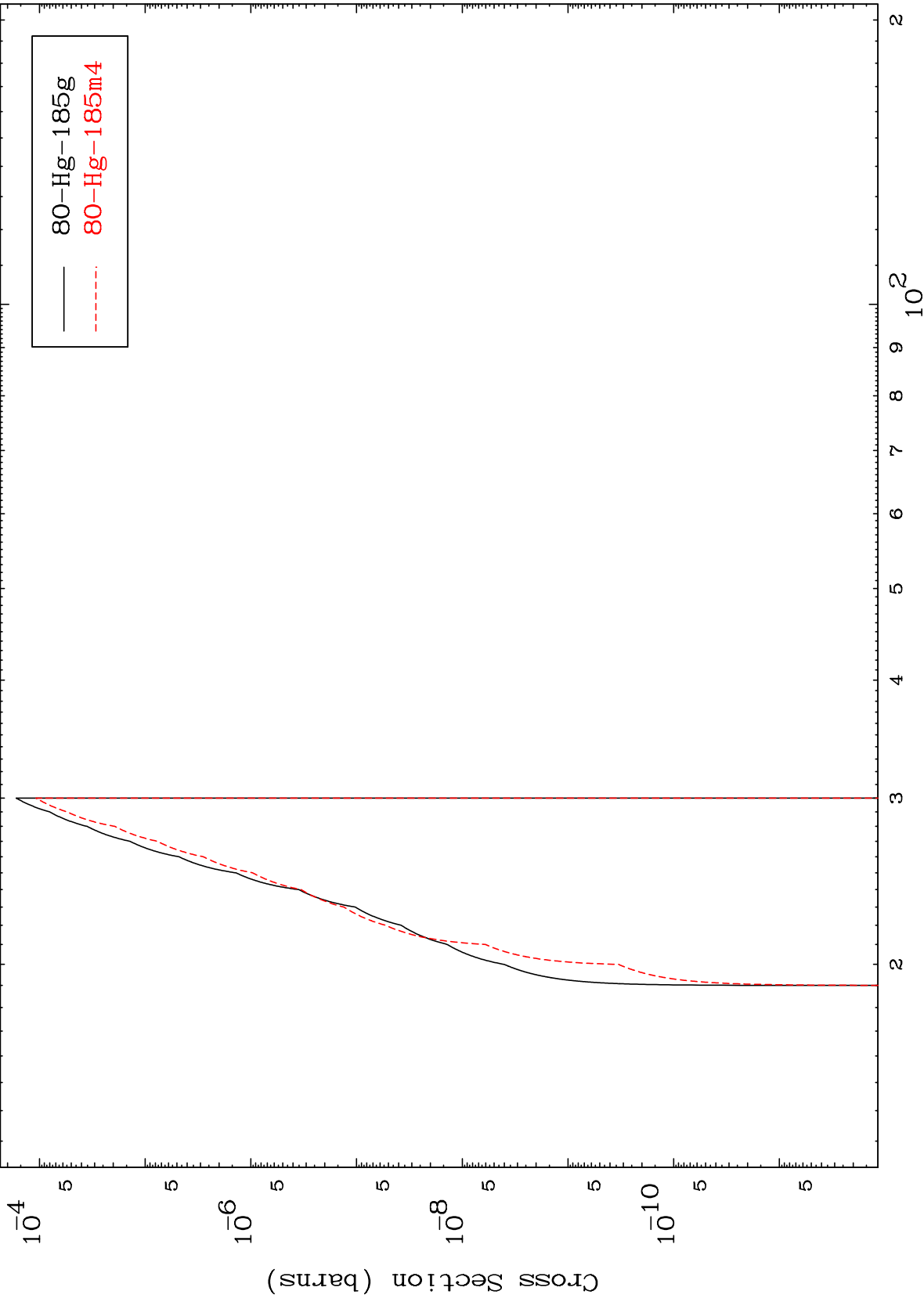
82-Pb-191

MAT 8186

(n,3n)  $\alpha$

82-Pb-191

Radionuclide Production Cross Section



66

Incident Energy (MeV)

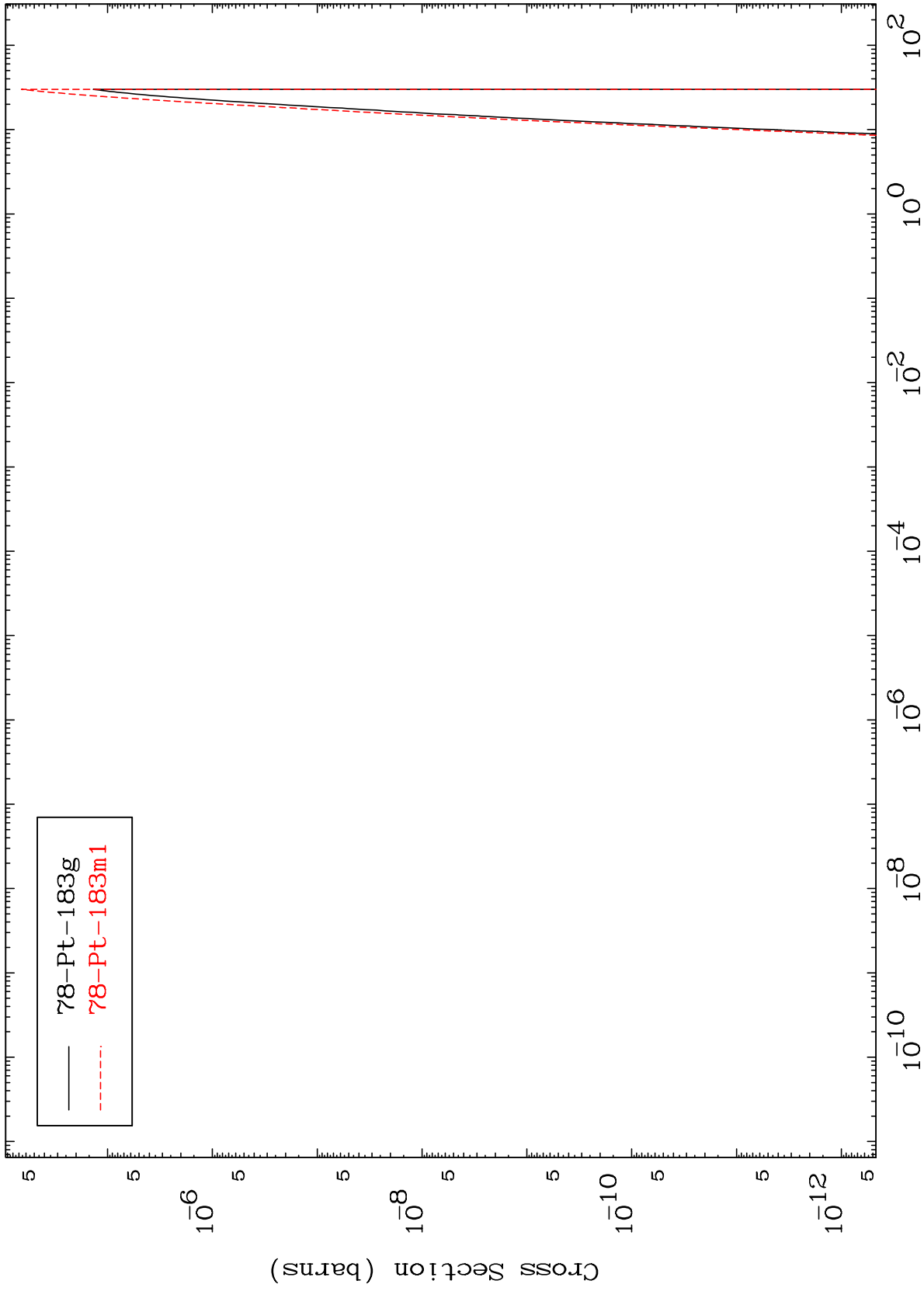
82-Pb-191

MAT 8186

(n,n') 2 $\alpha$

82-Pb-191

Radionuclide Production Cross Section



67

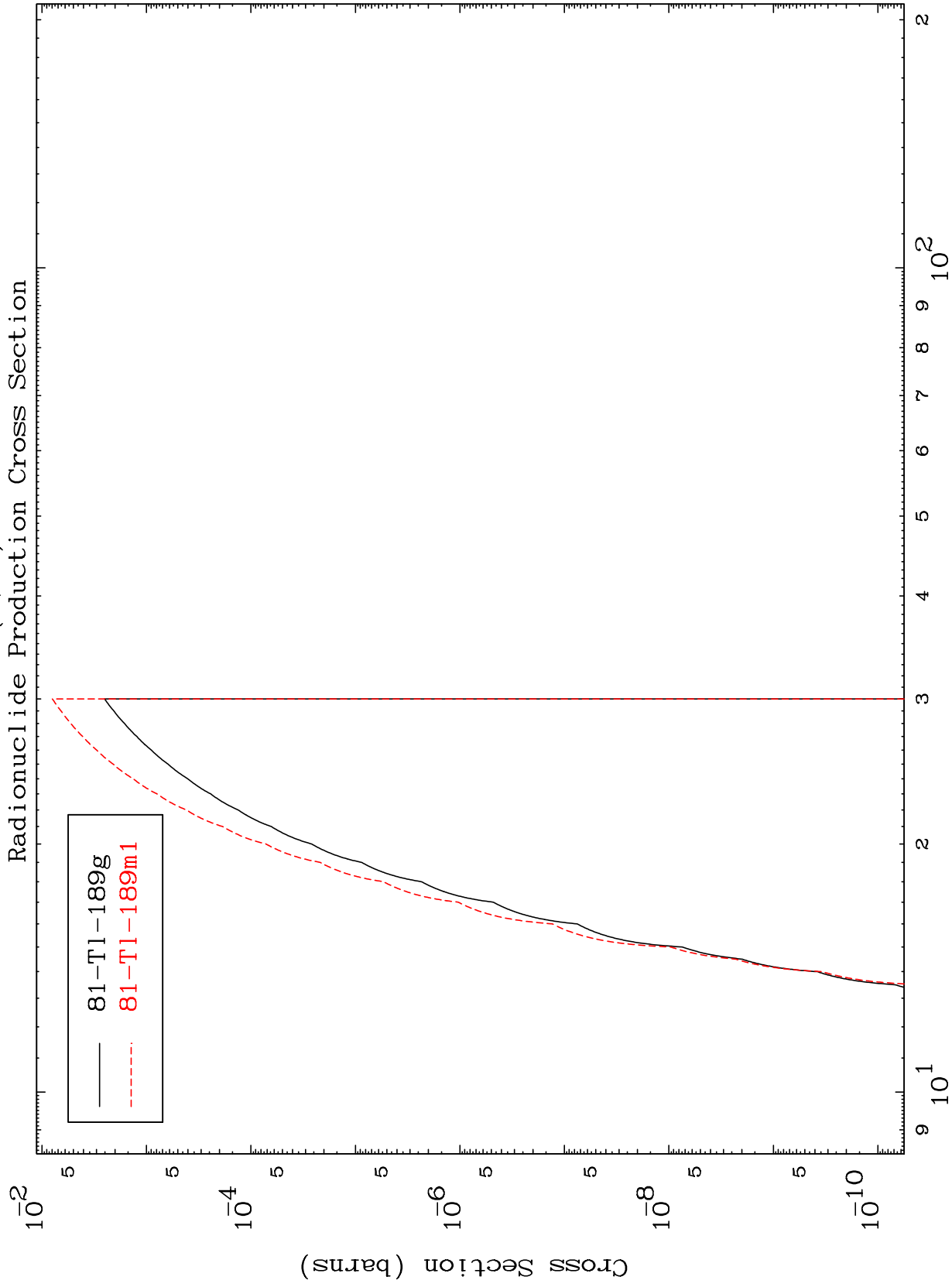
Incident Energy (MeV)

82-Pb-191

MAT 8186

(n,n') d

82-Pb-191



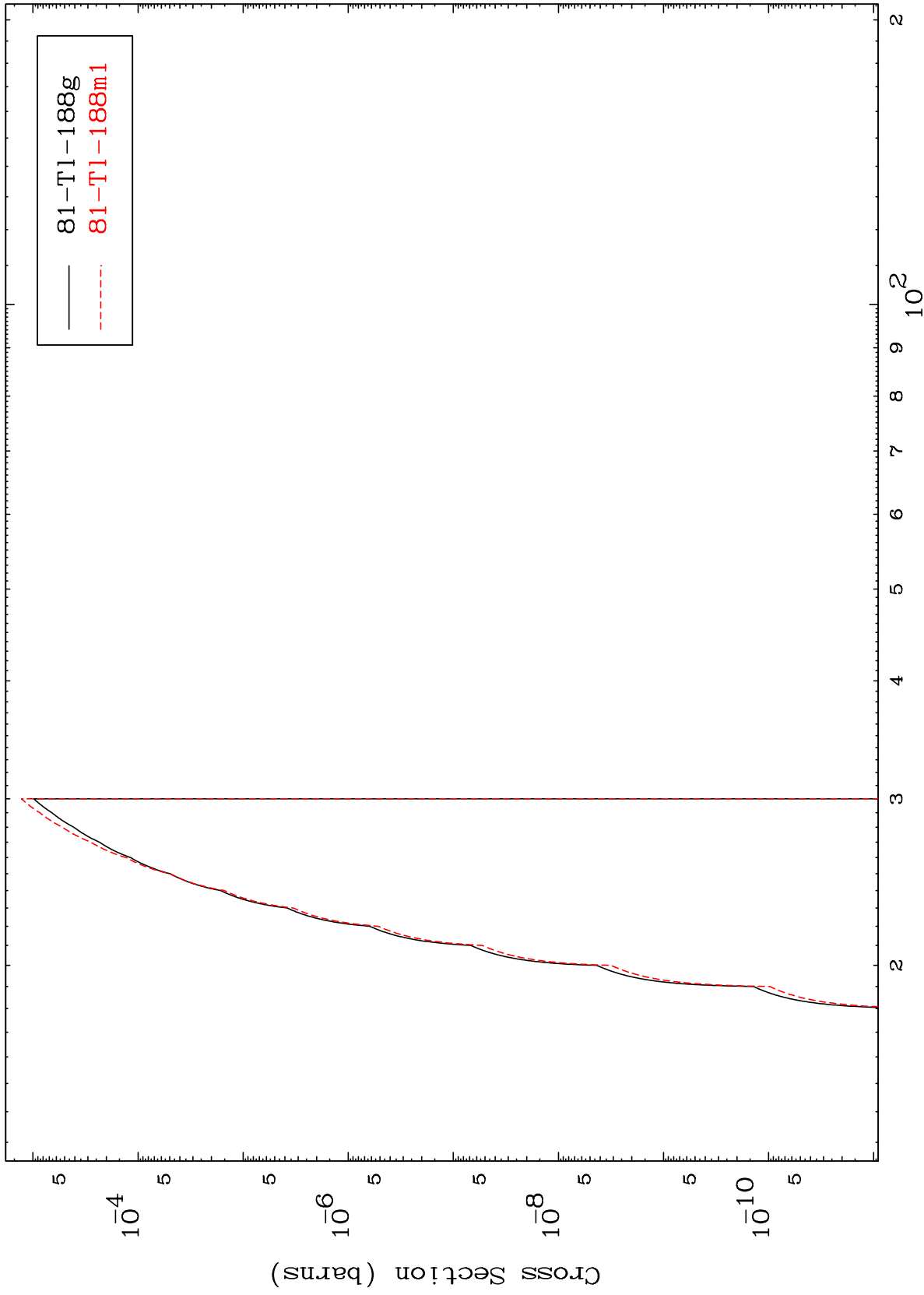
68

MAT 8186

(n,n') t

82-Pb-191

Radionuclide Production Cross Section



69

Incident Energy (MeV)

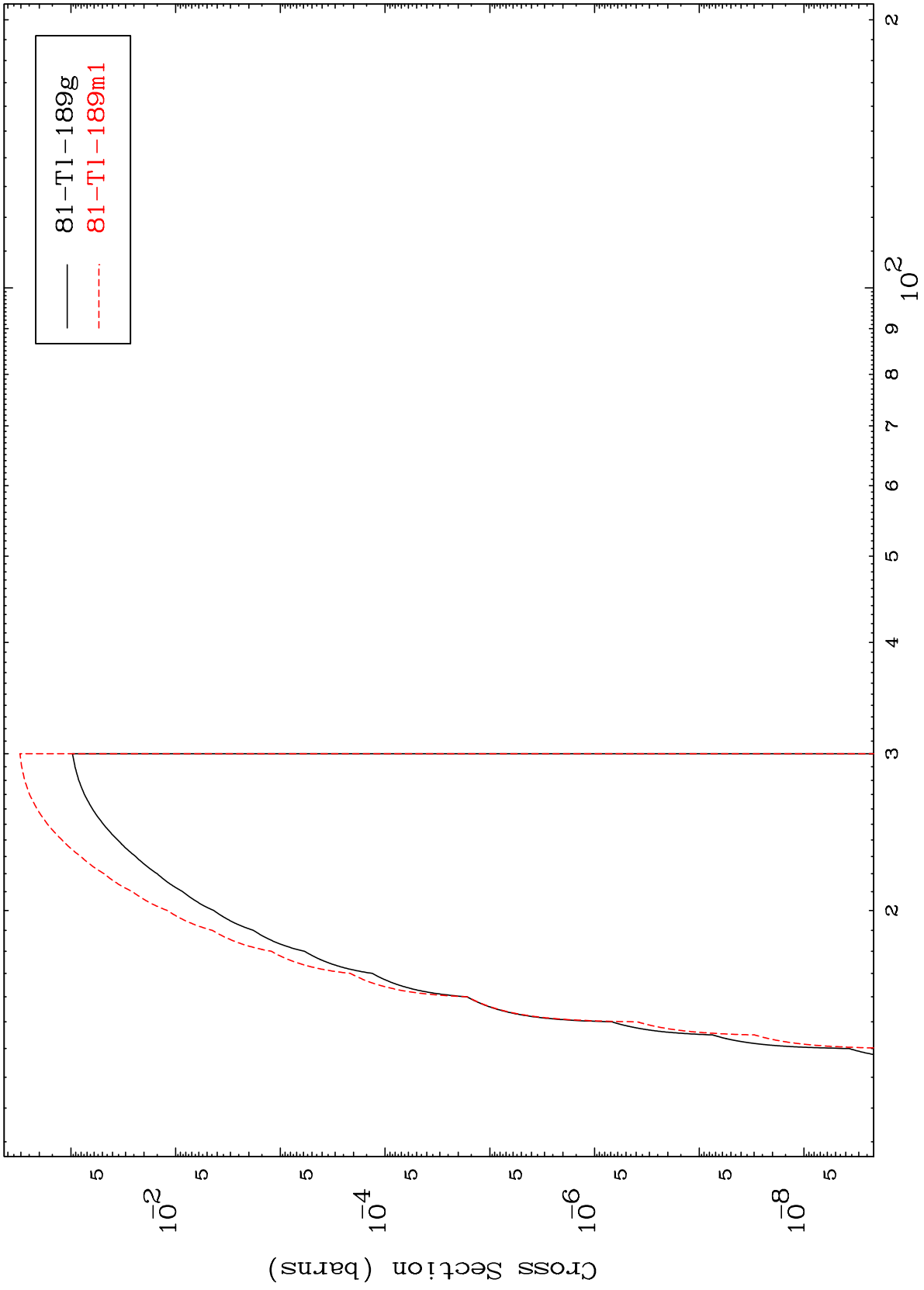
82-Pb-191

MAT 8186

(n,2n) p

82-Pb-191

Radionuclide Production Cross Section



70

Incident Energy (MeV)

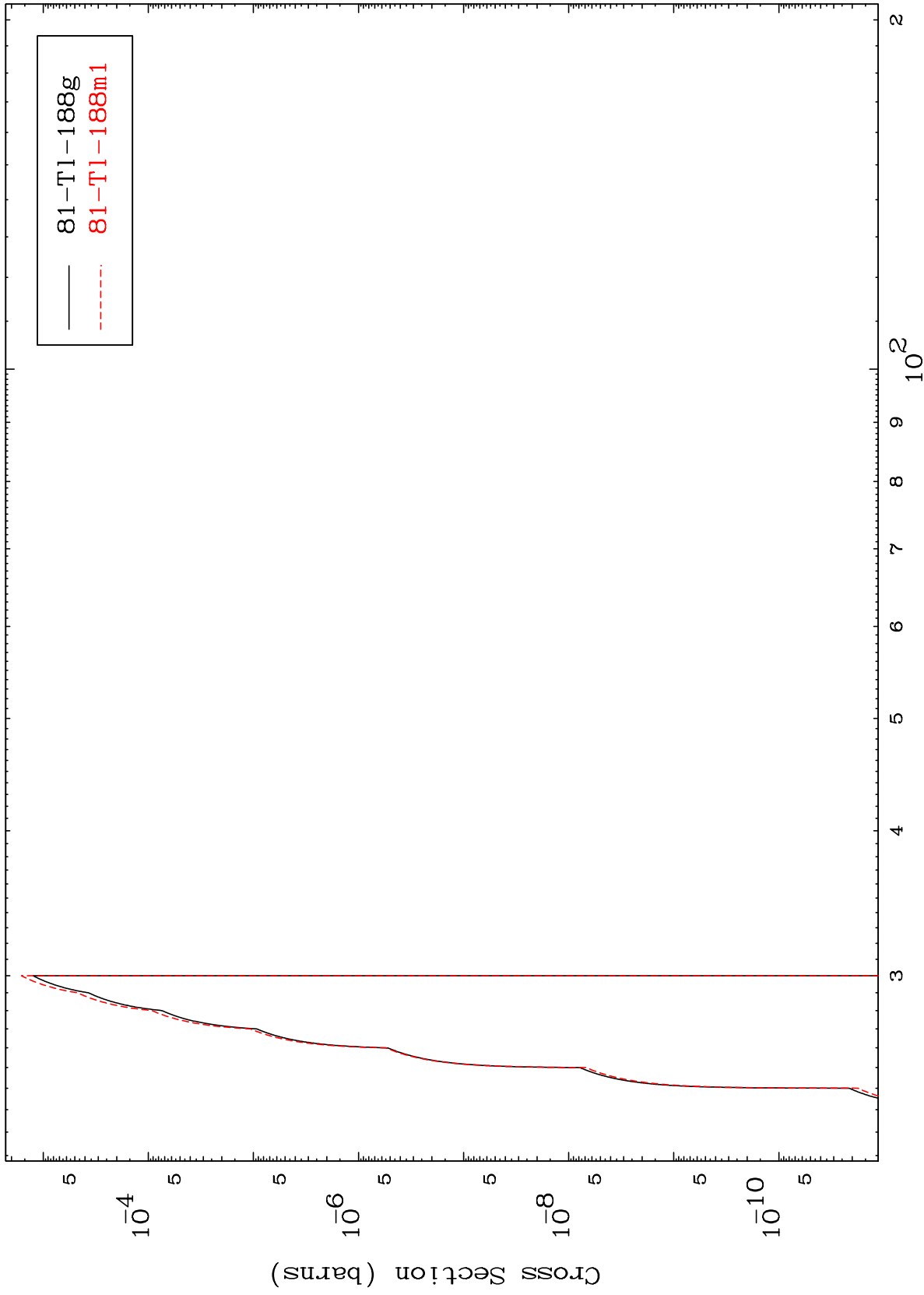
82-Pb-191

MAT 8186

(n,3n) p

82-Pb-191

Radionuclide Production Cross Section



71

Incident Energy (MeV)

82-Pb-191

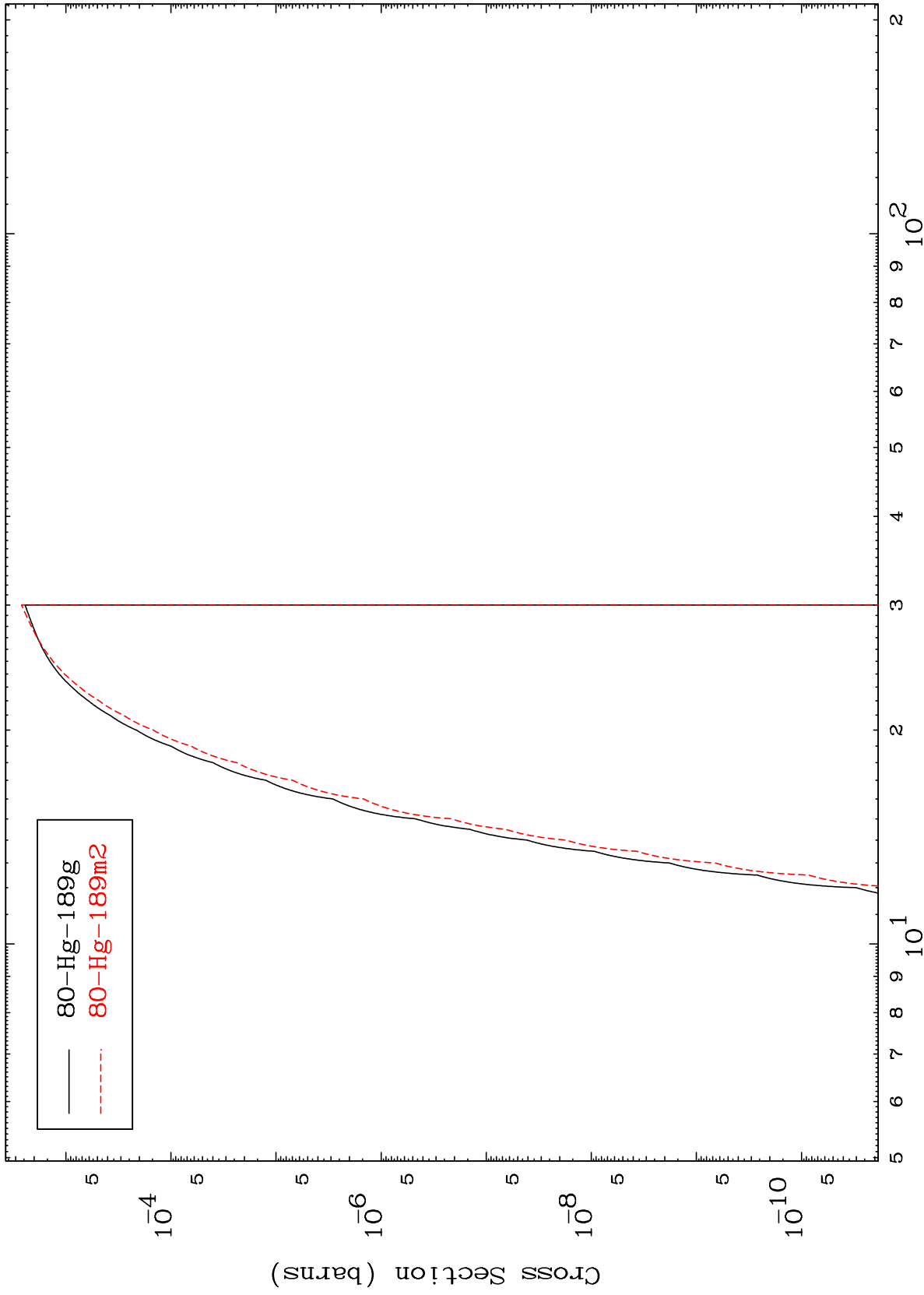


MAT 8186

(n,2n) p

82-Pb-191

Radionuclide Production Cross Section



72

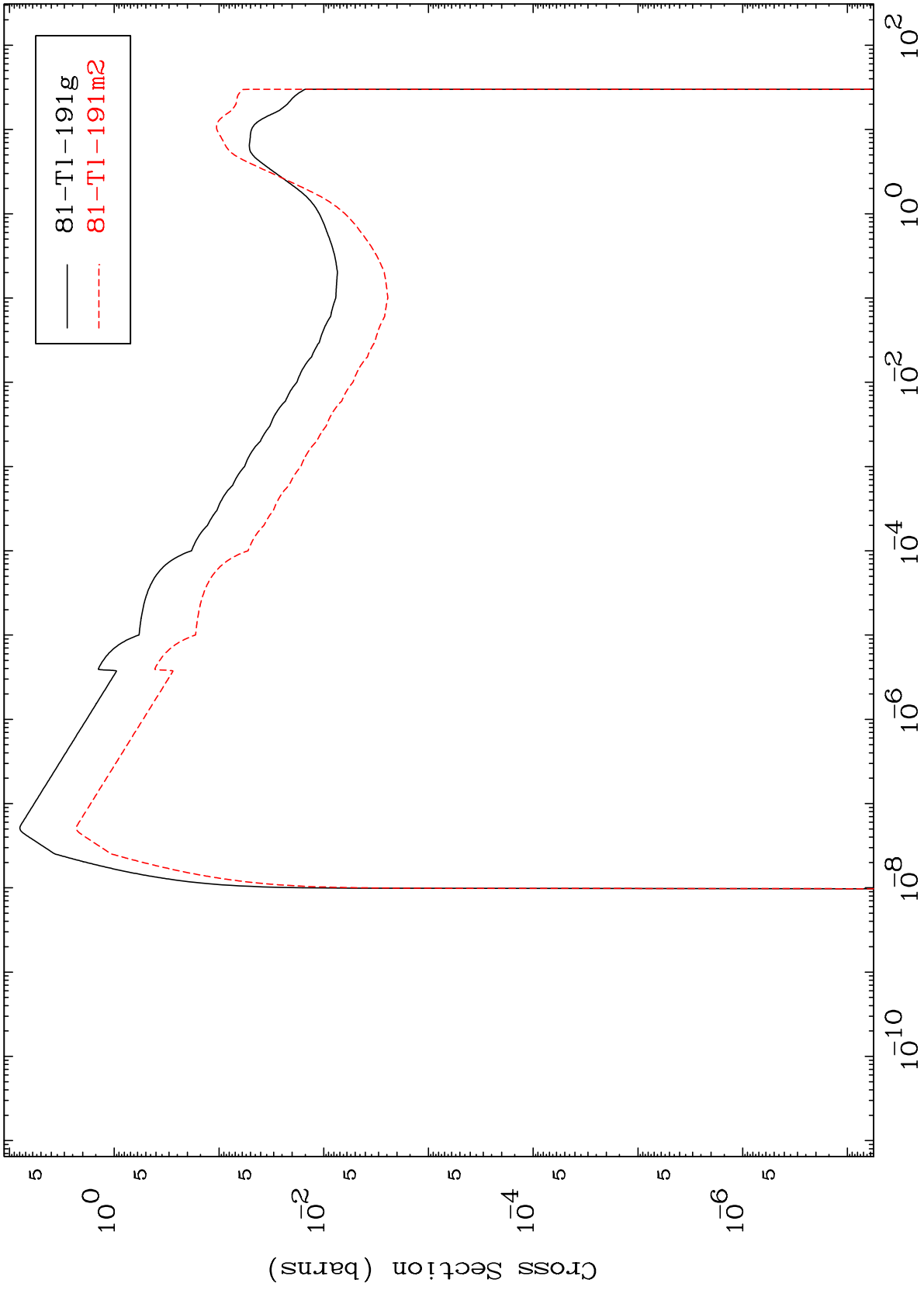
Incident Energy (MeV)

82-Pb-191

MAT 8186

82-Pb-191

(n,p)  
Radionuclide Production Cross Section



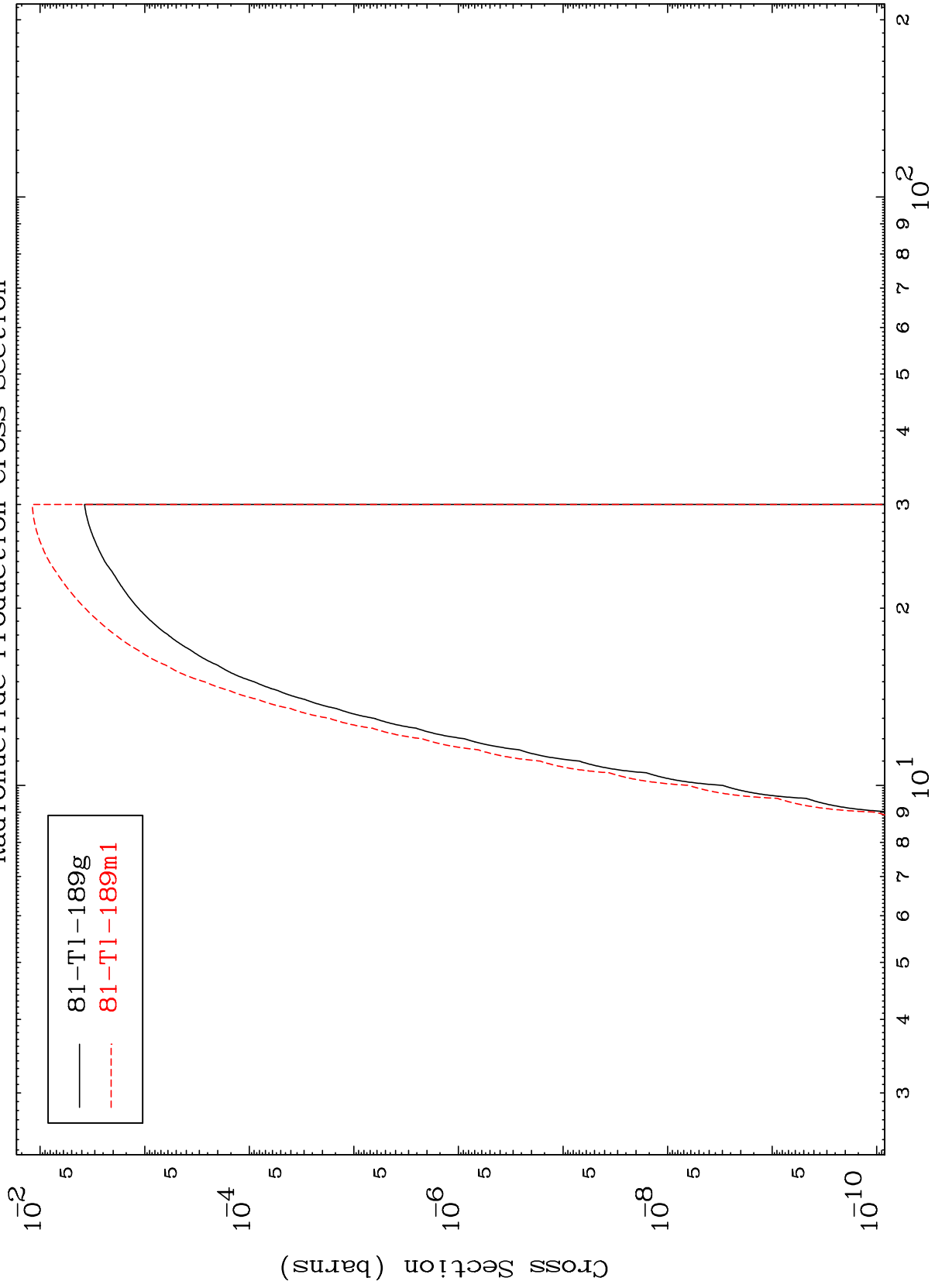
73

82-Pb-191

MAT 8186

82-Pb-191

(n, t)  
Radionuclide Production Cross Section



74

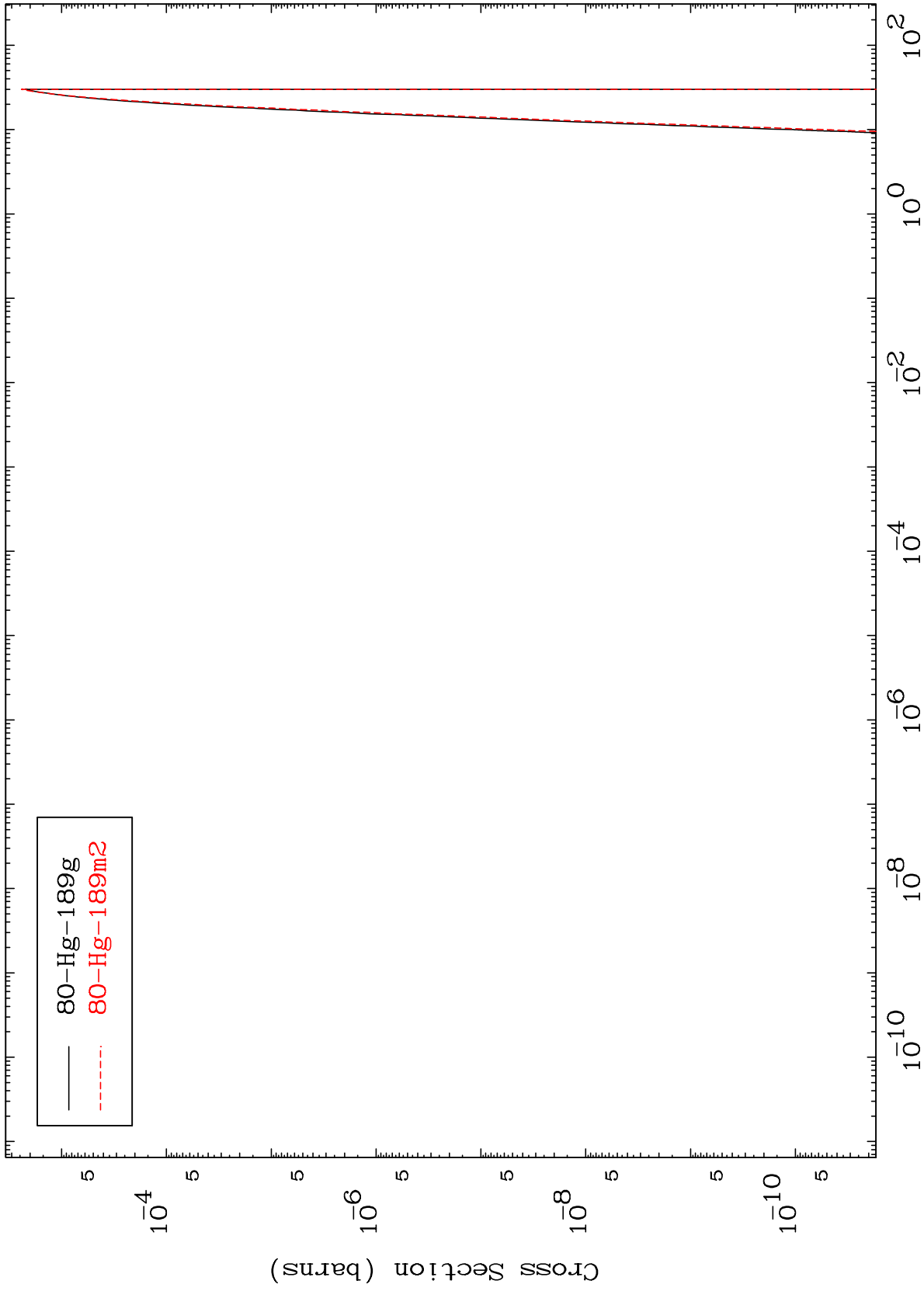
82-Pb-191

MAT 8186

(n, He-3)

82-Pb-191

Radionuclide Production Cross Section



75

Incident Energy (MeV)

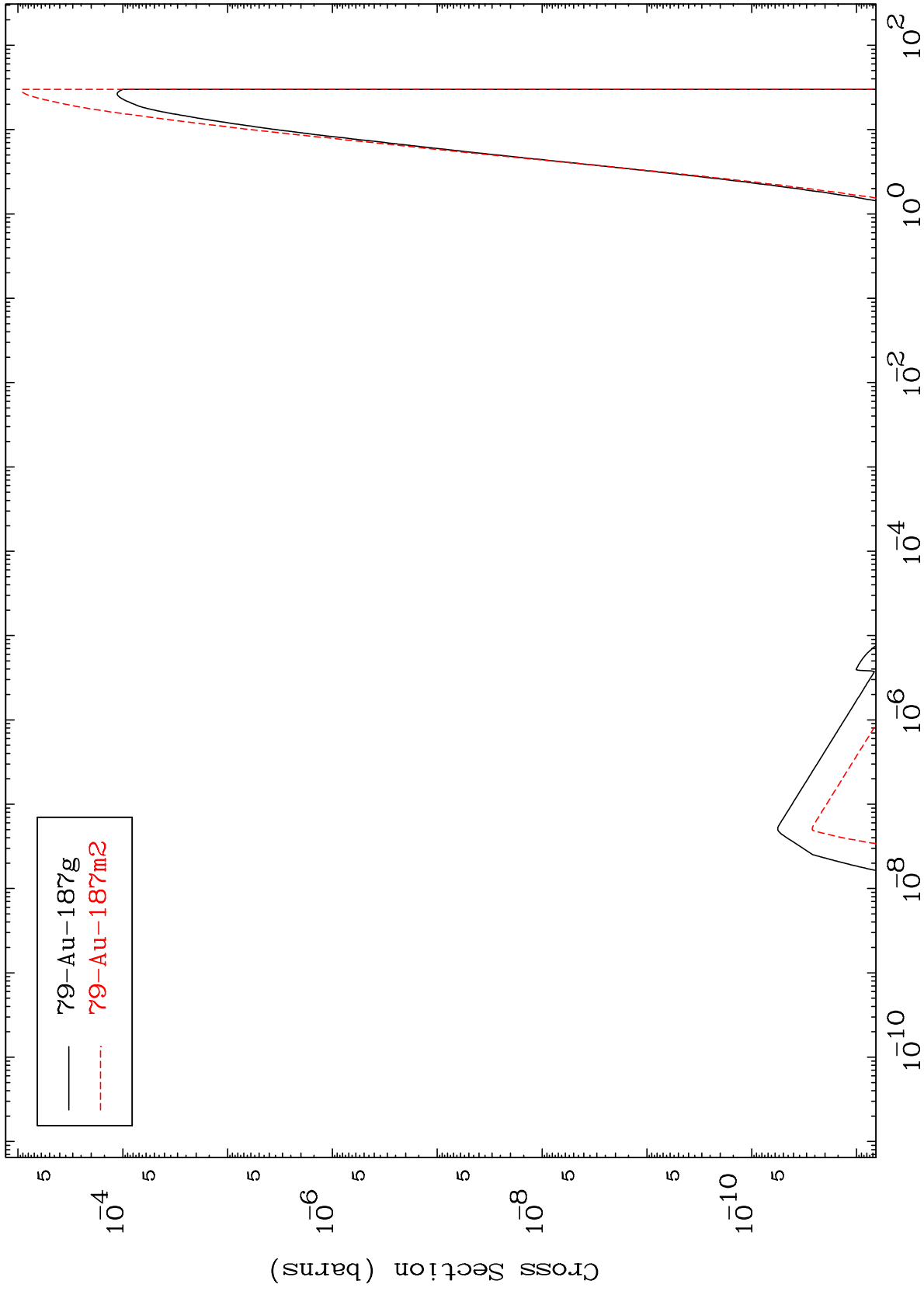
82-Pb-191

MAT 8186

(n,p)  $\alpha$

82-Pb-191

Radionuclide Production Cross Section



76

Incident Energy (MeV)

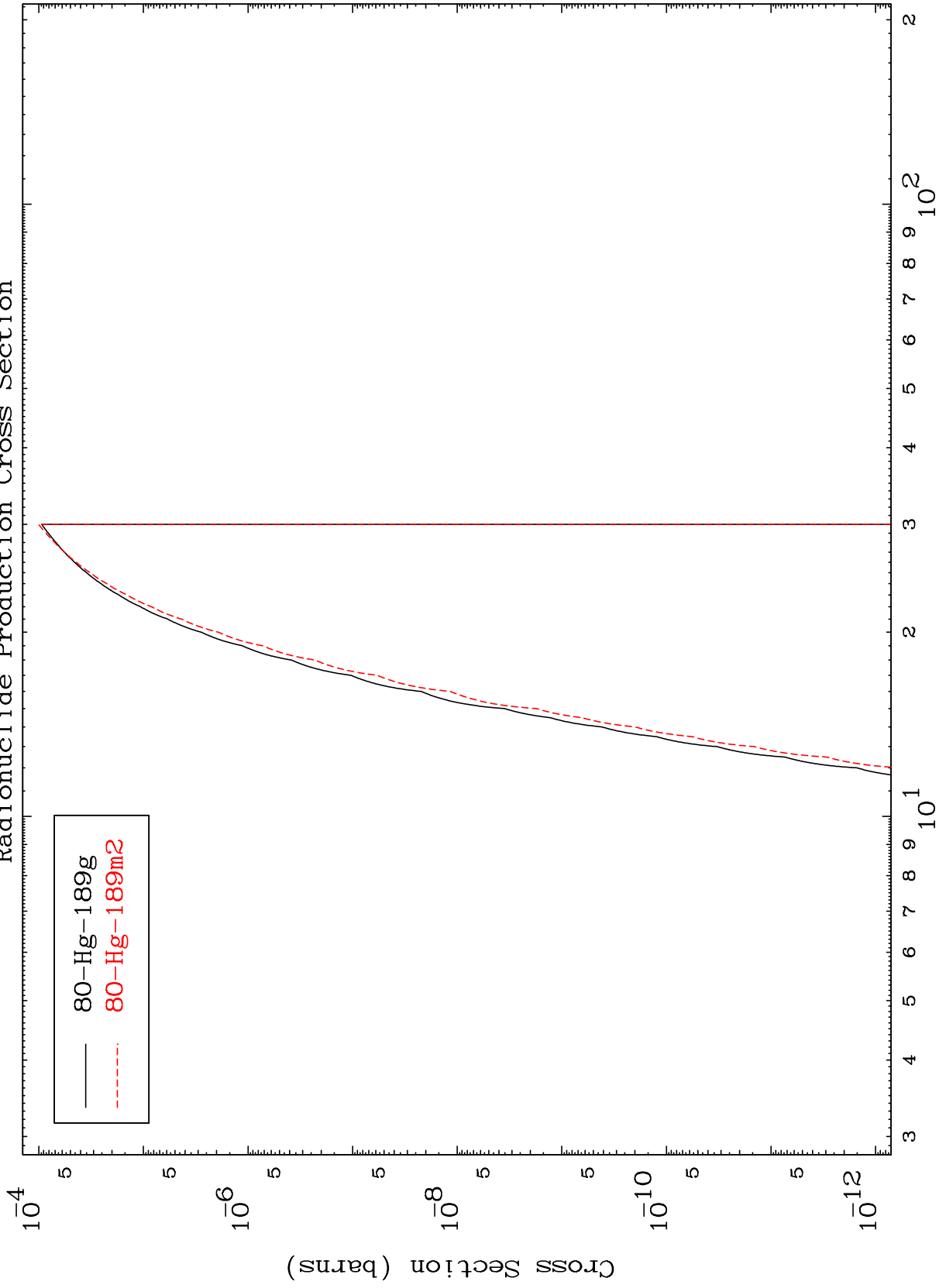
82-Pb-191

MAT 8186

(n,p) d

82-Pb-191

Radionuclide Production Cross Section



77

Incident Energy (MeV)

82-Pb-191