

Program EVALPLOT  
(Version 2018-1)

by

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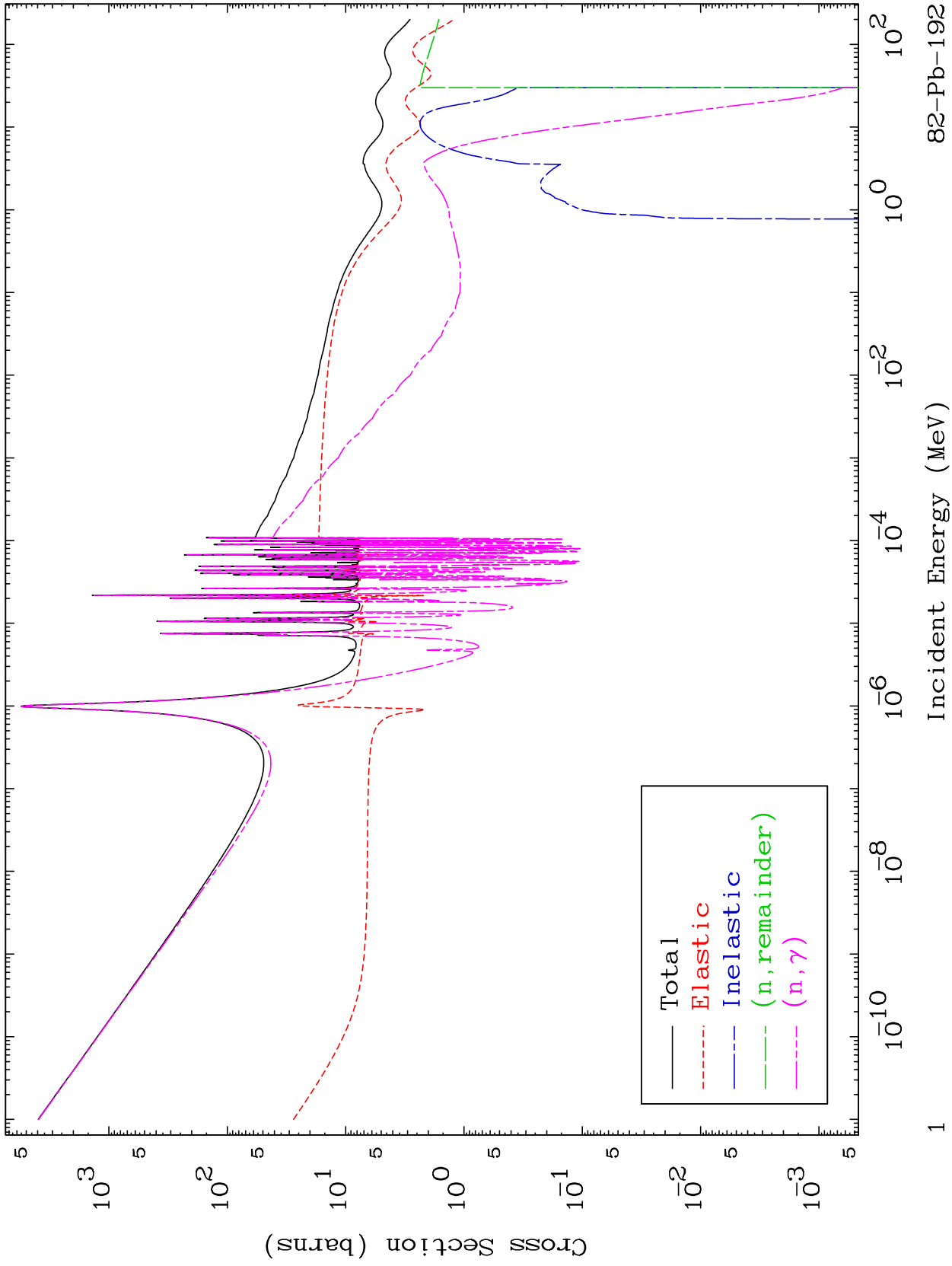
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8189

Major  
293 Kelvin Cross Sections

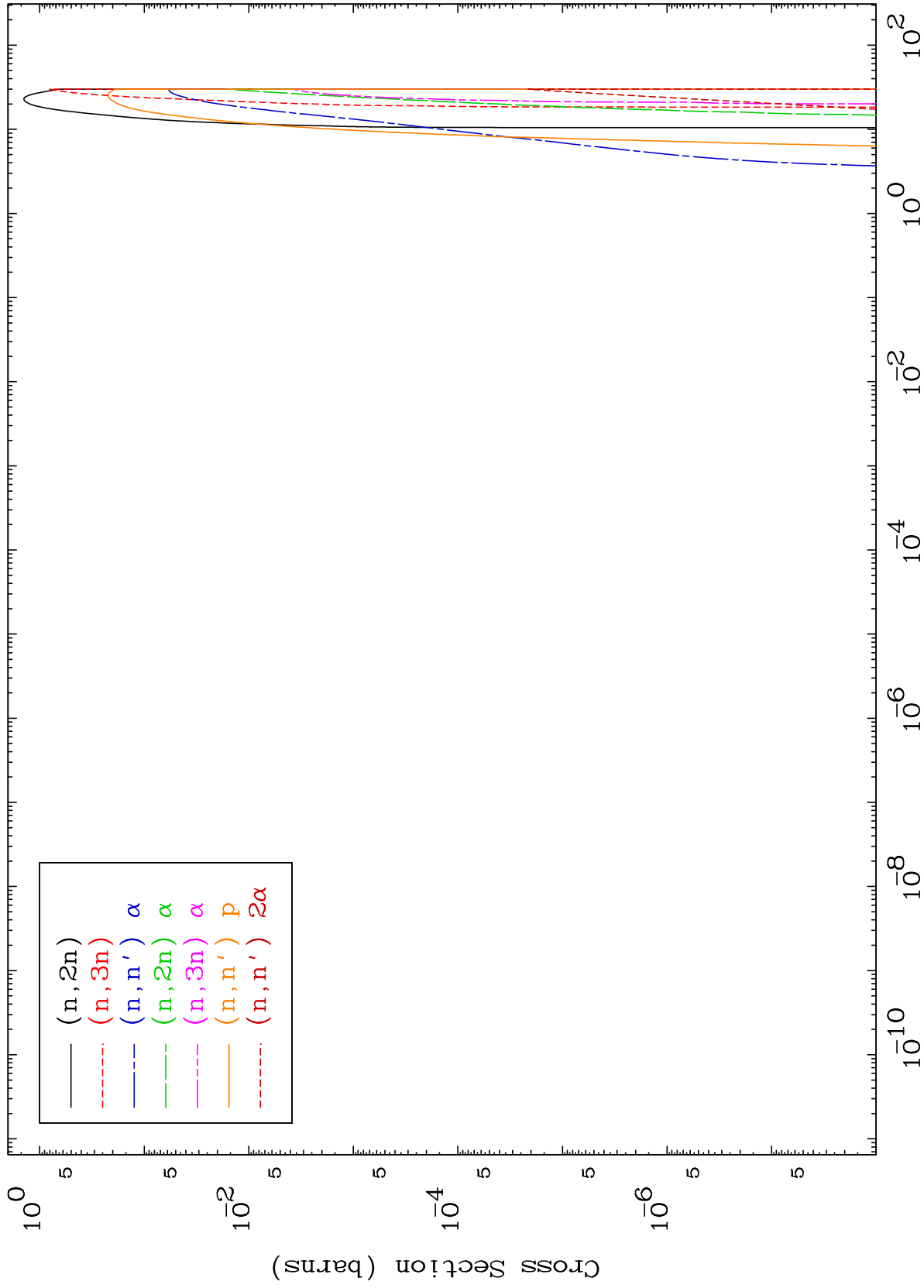
82-Pb-192



MAT 8189

Neutron Production  
293 Kelvin Cross Sections

82-Pb-192



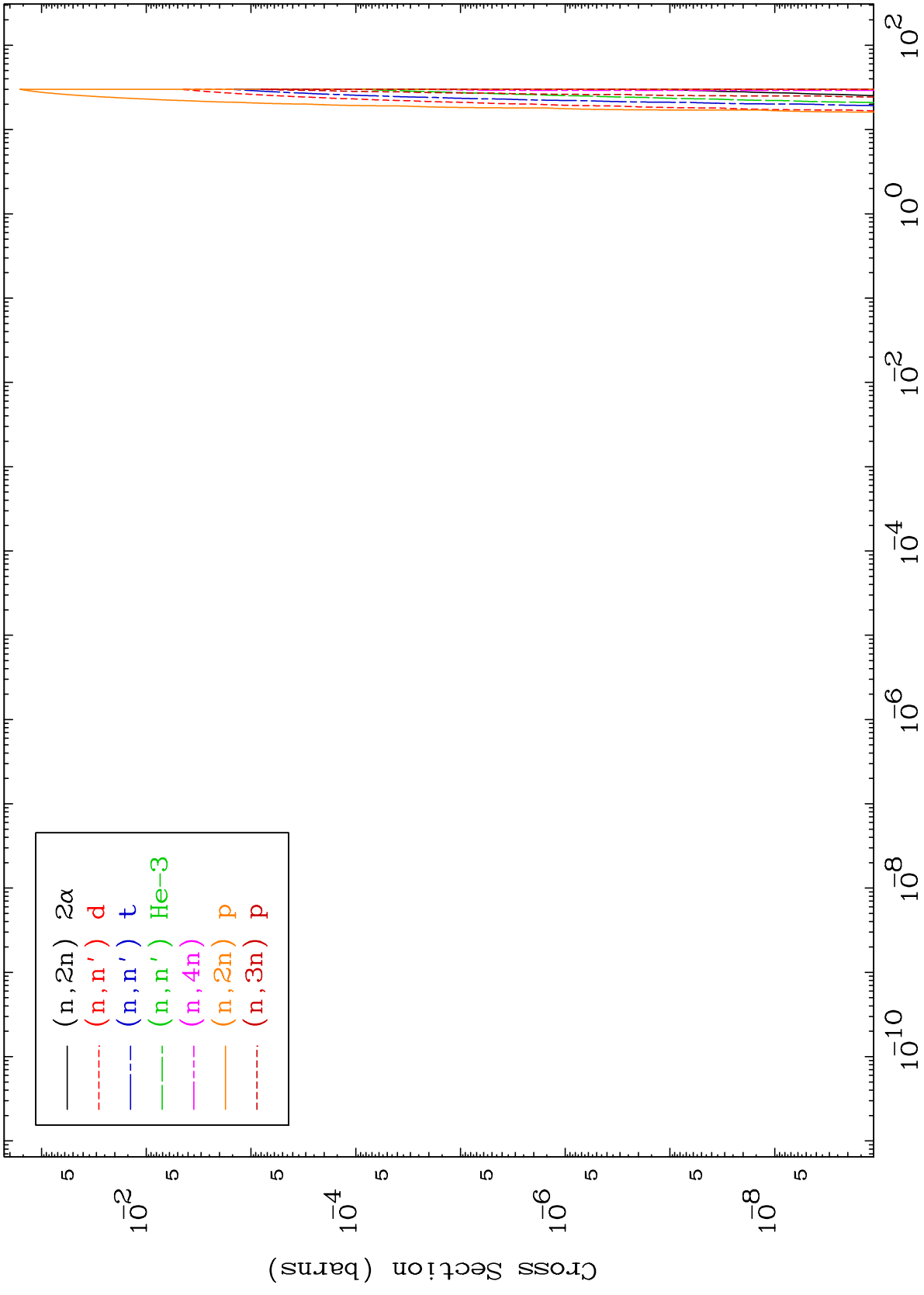
2

82-Pb-192

MAT 8189

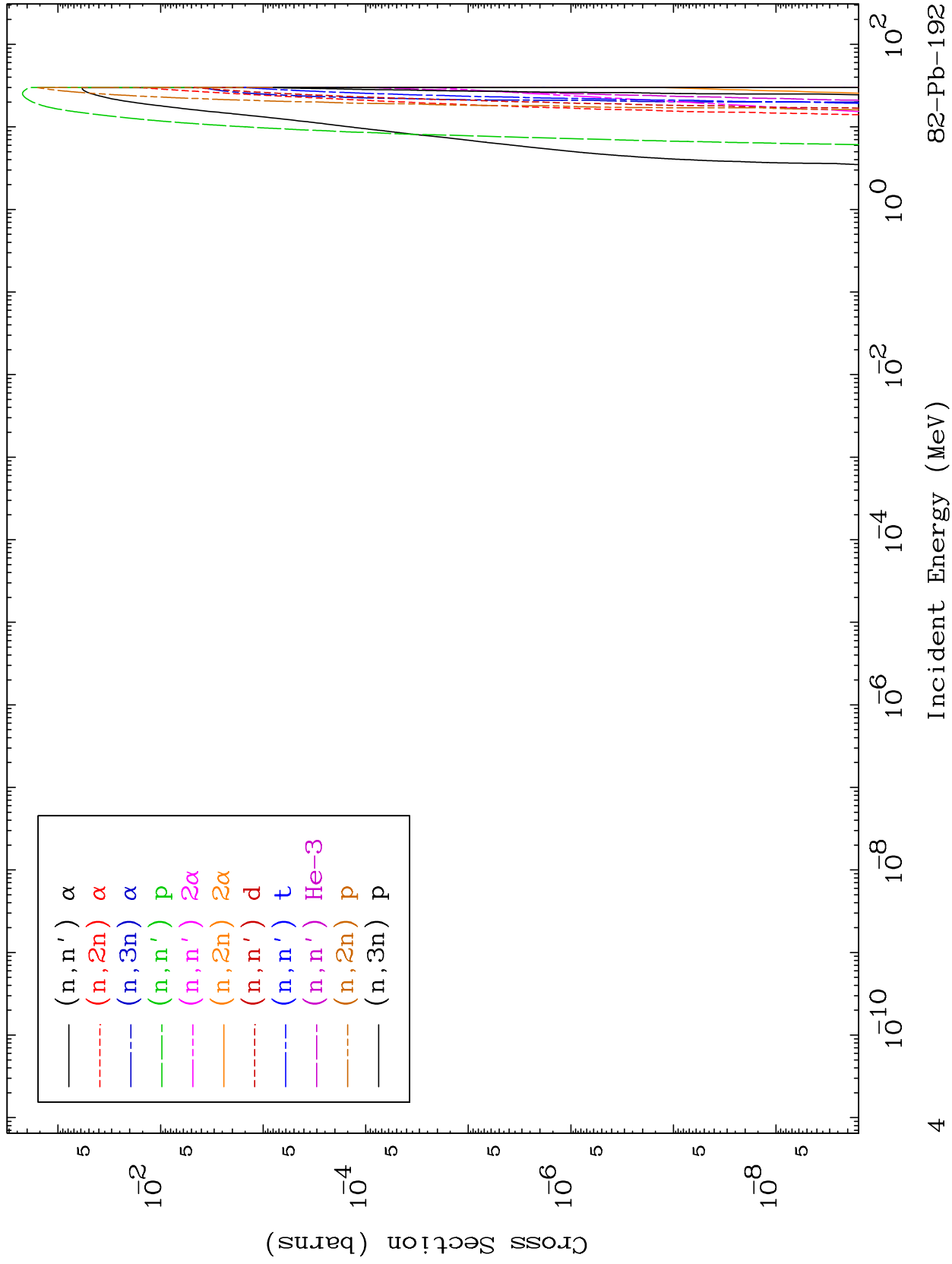
Neutron Production  
293 Kelvin Cross Sections

82-Pb-192



82-Pb-192

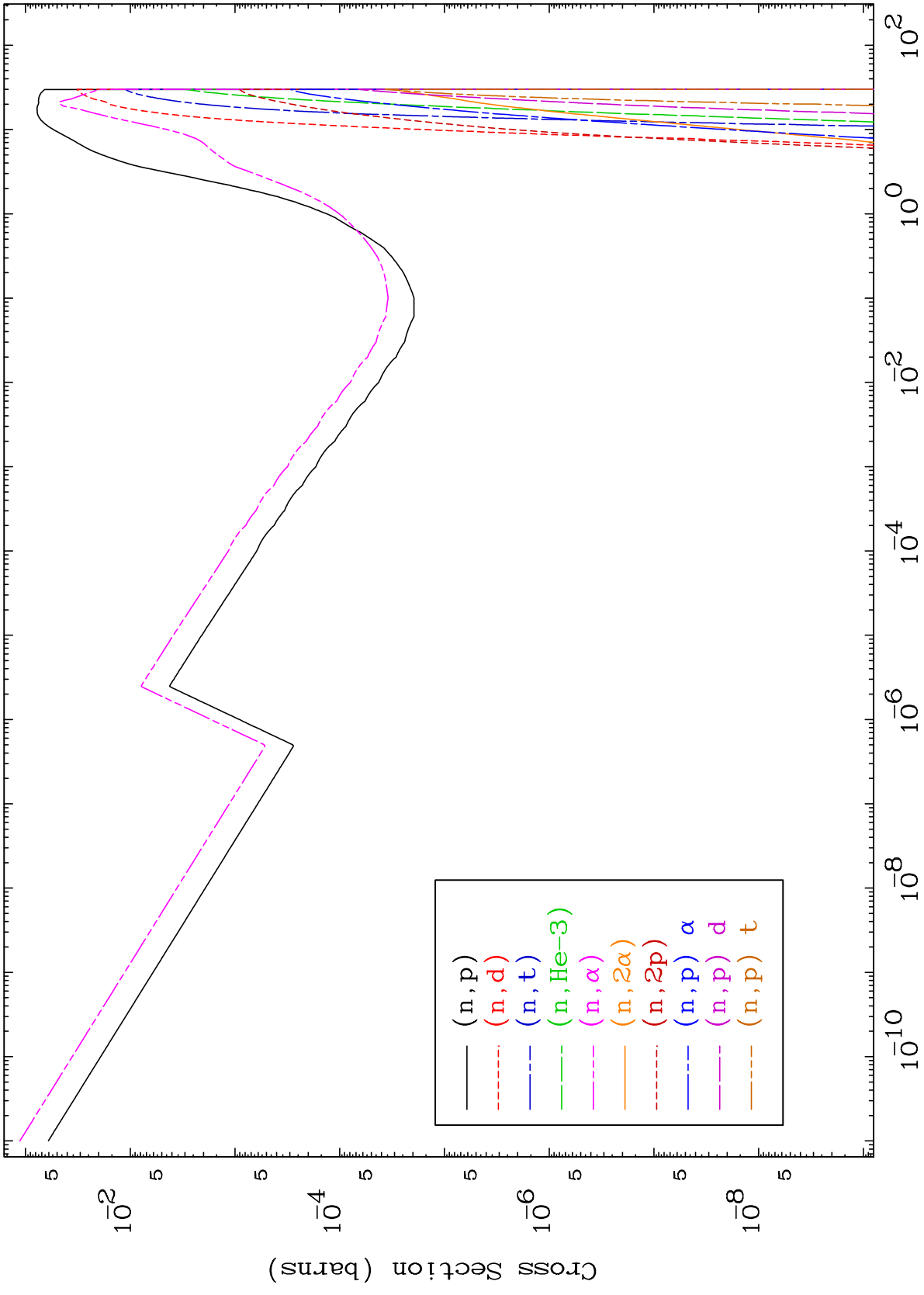
Incident Energy (MeV)



MAT 8189

293 Kelvin Cross Sections

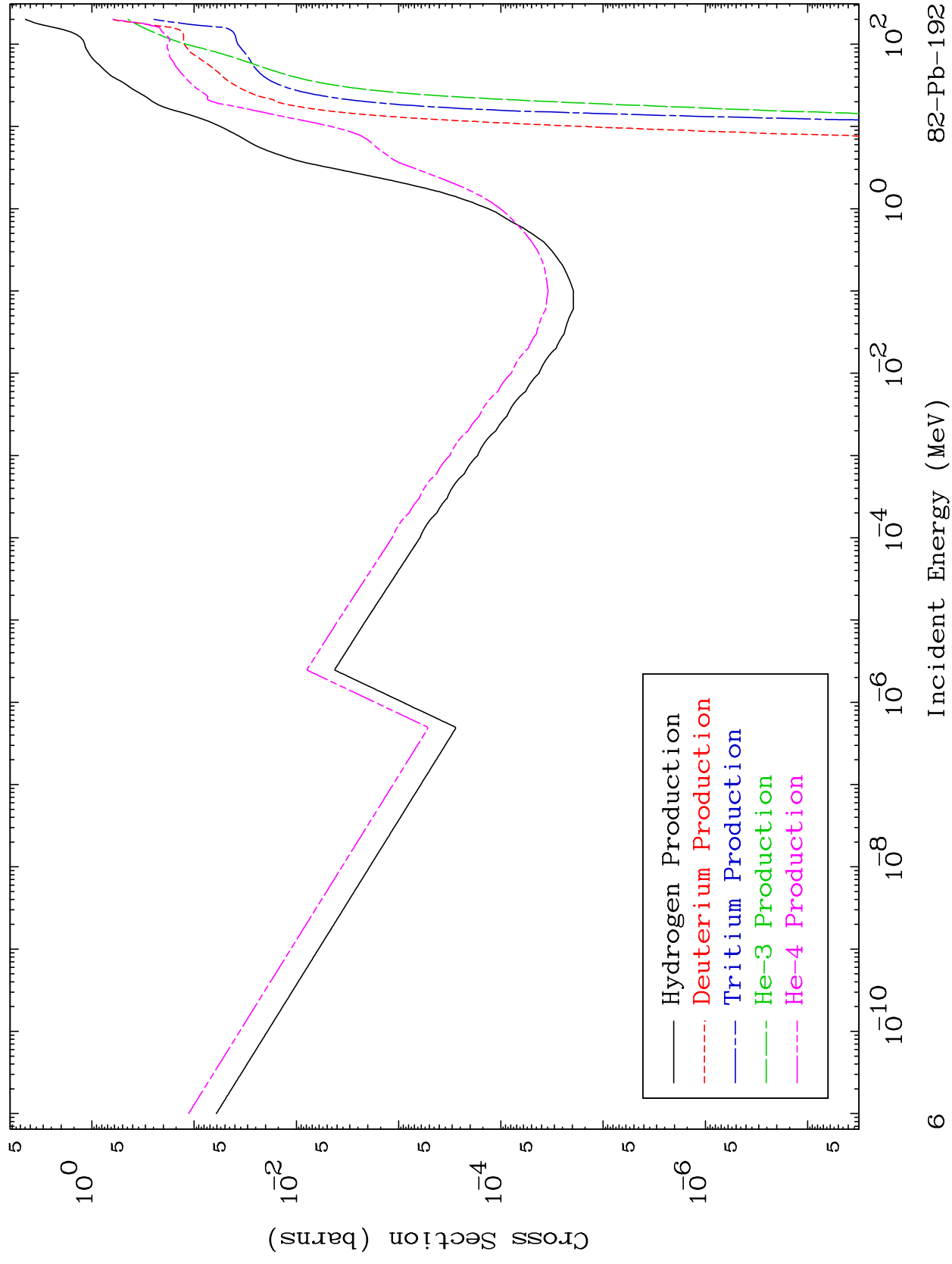
82-Pb-192



MAT 8189

Particle Production  
293 Kelvin Cross Sections

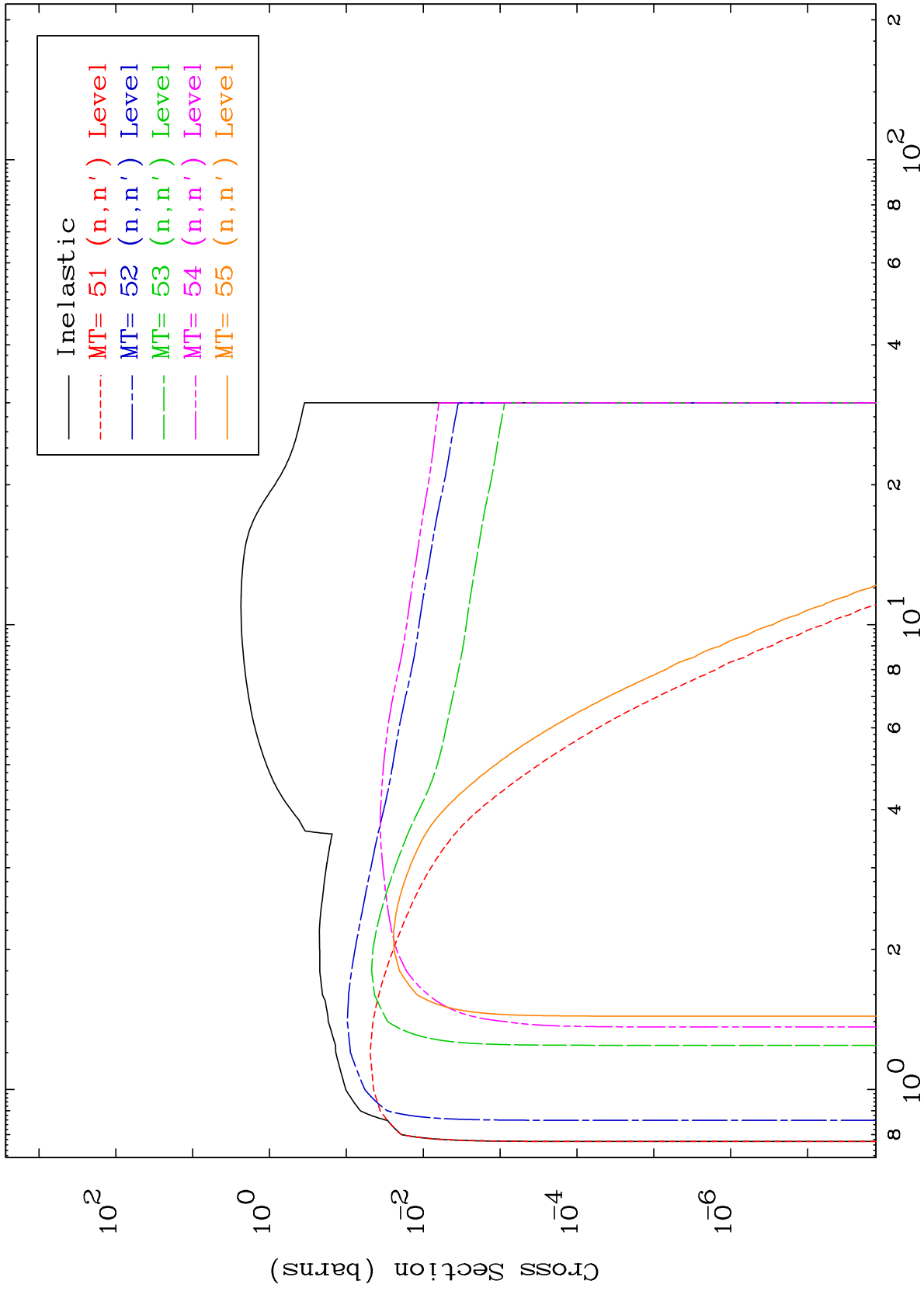
82-Pb-192



MAT 8189

(n,n') Level  
293 Kelvin Cross Sections

82-Pb-192



7

Incident Energy (MeV)

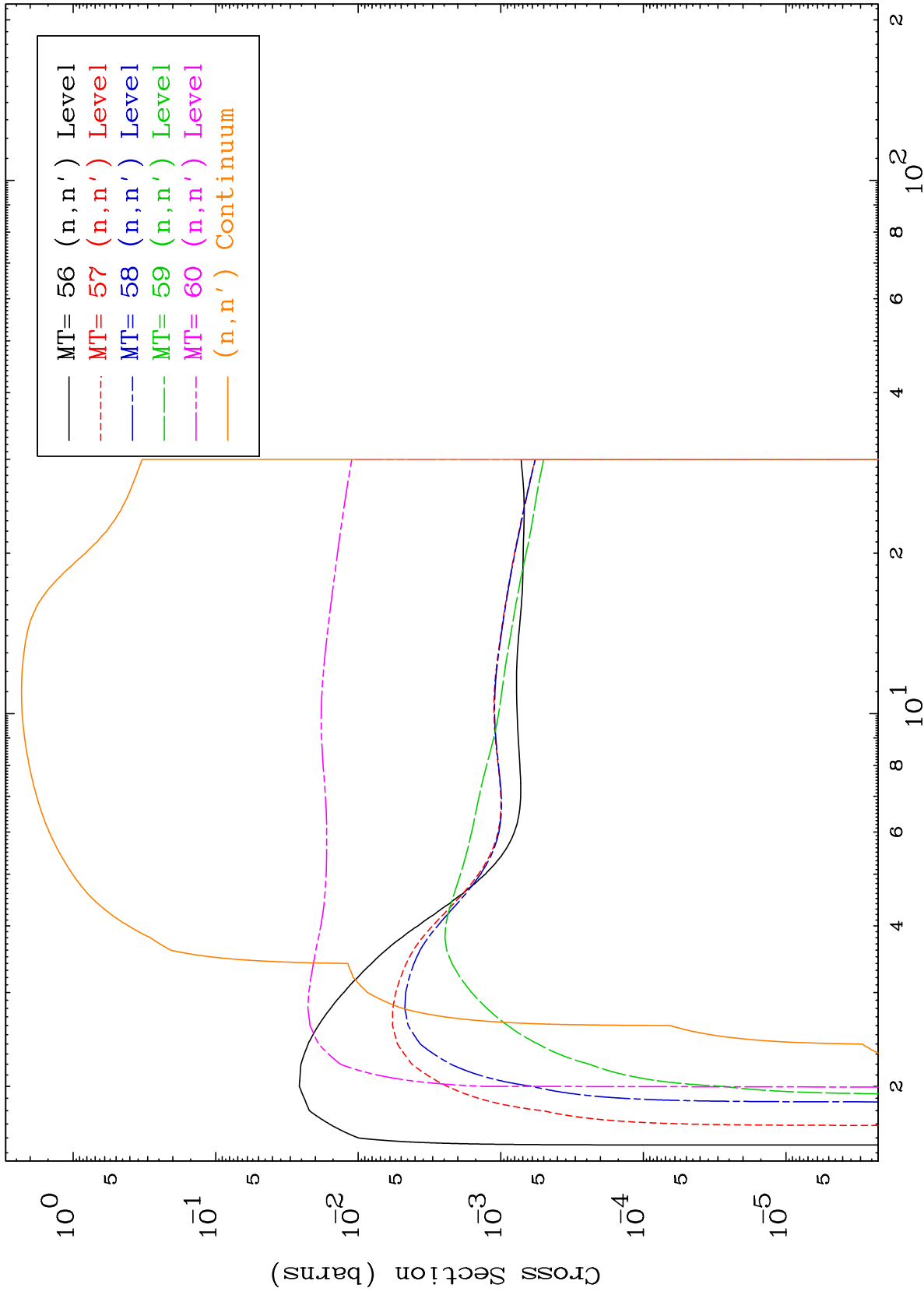
82-Pb-192



MAT 8189

(n,n') Level  
293 Kelvin Cross Sections

82-Pb-192



8

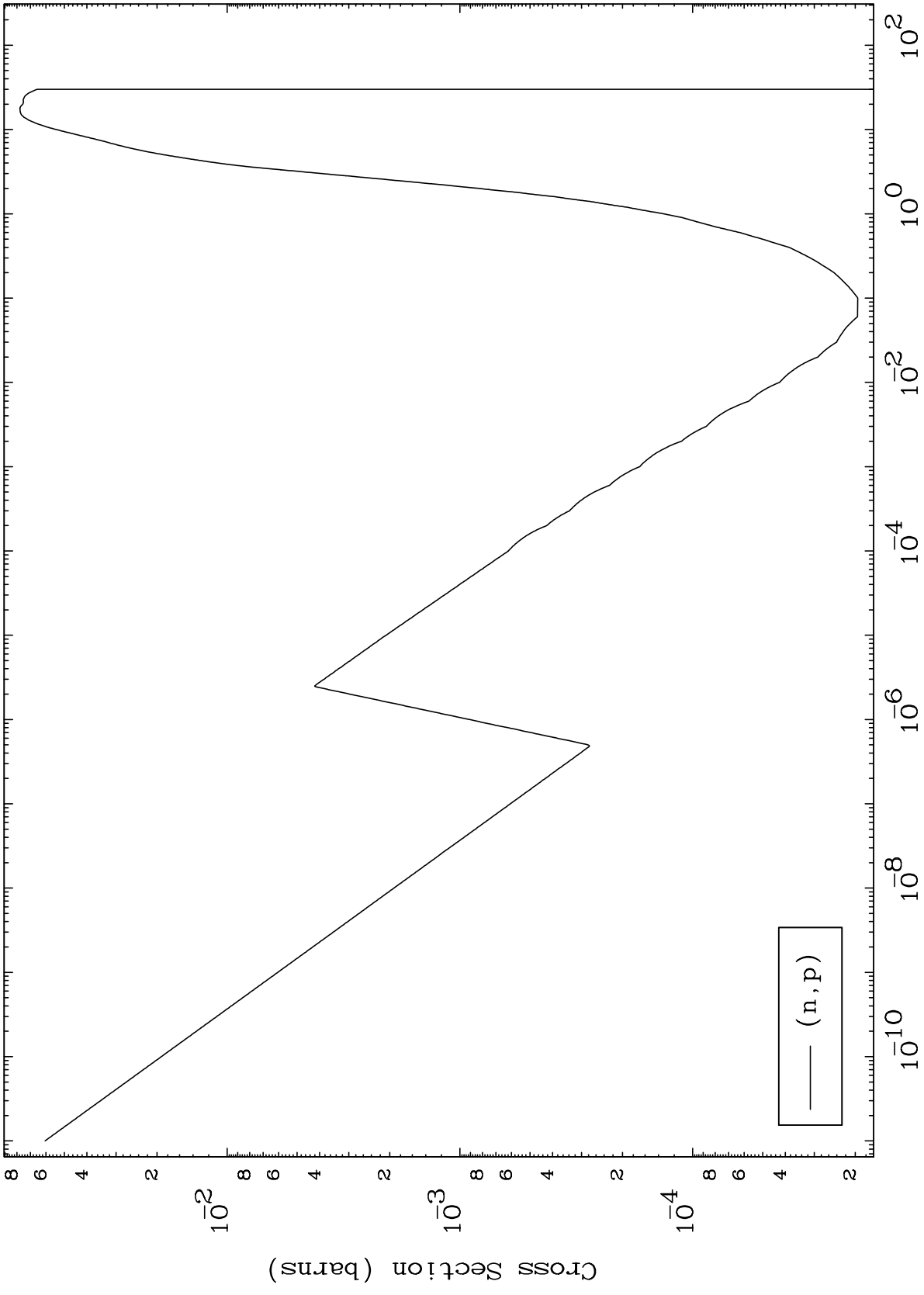
Incident Energy (MeV)

82-Pb-192

MAT 8189

(n,p) Levels  
293 Kelvin Cross Sections

82-Pb-192

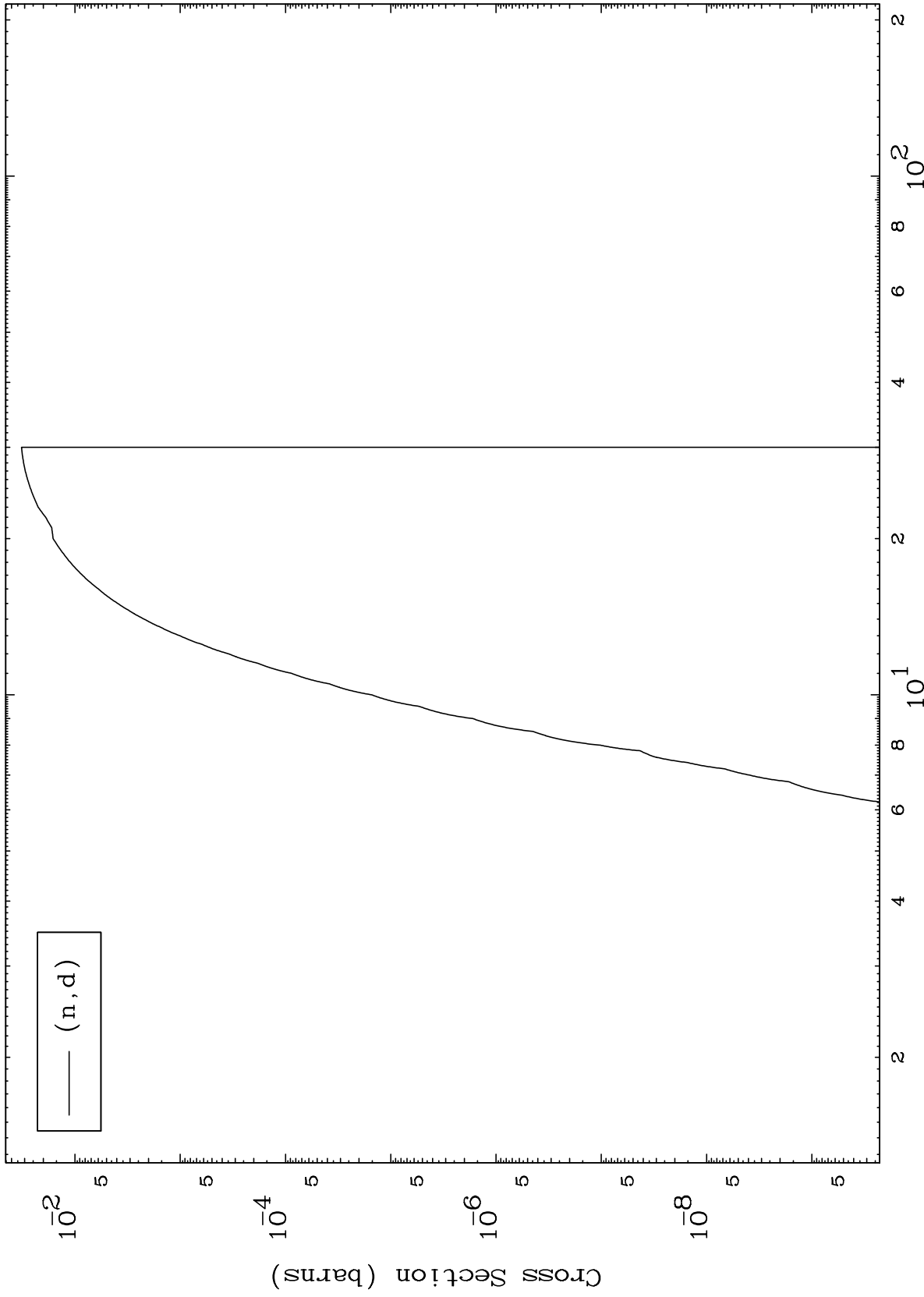


82-Pb-192

MAT 8189

(n,d) Levels  
293 Kelvin Cross Sections

82-Pb-192



10

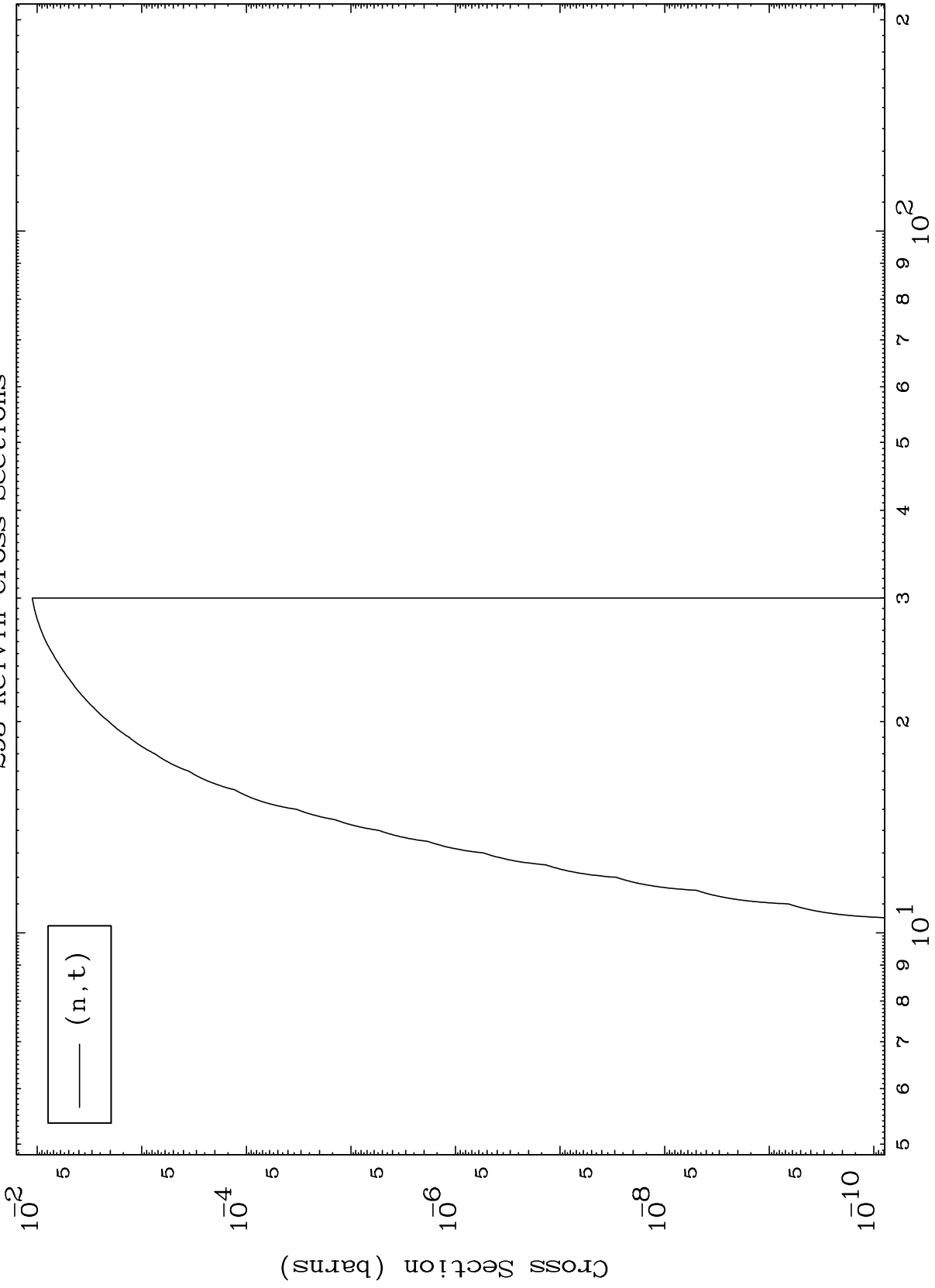
Incident Energy (MeV)

82-Pb-192

MAT 8189

82-Pb-192

(n,t) Levels  
293 Kelvin Cross Sections



11

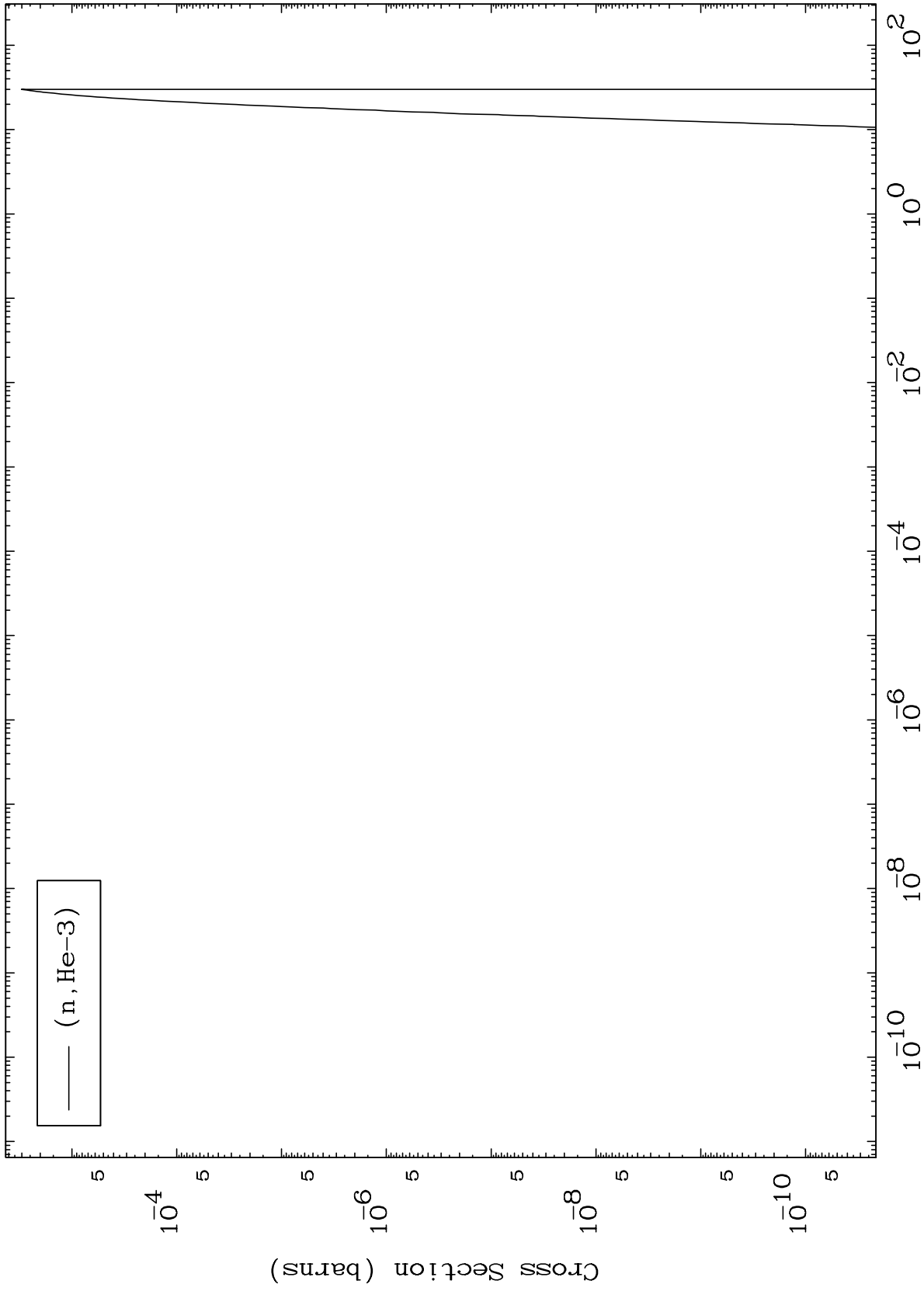
Incident Energy (MeV)

82-Pb-192

MAT 8189

(n,He3) Levels  
293 Kelvin Cross Sections

82-Pb-192



12

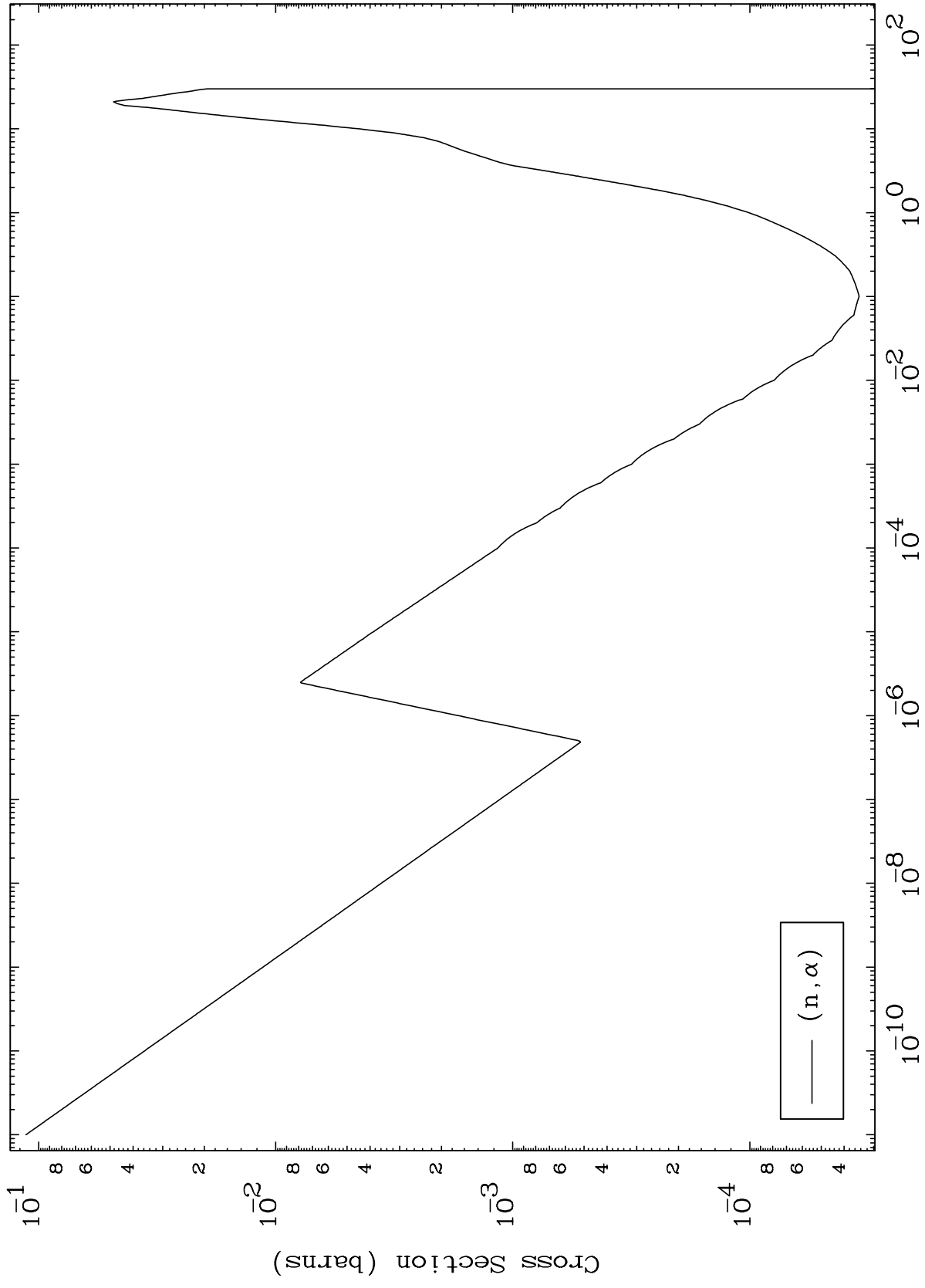
Incident Energy (MeV)

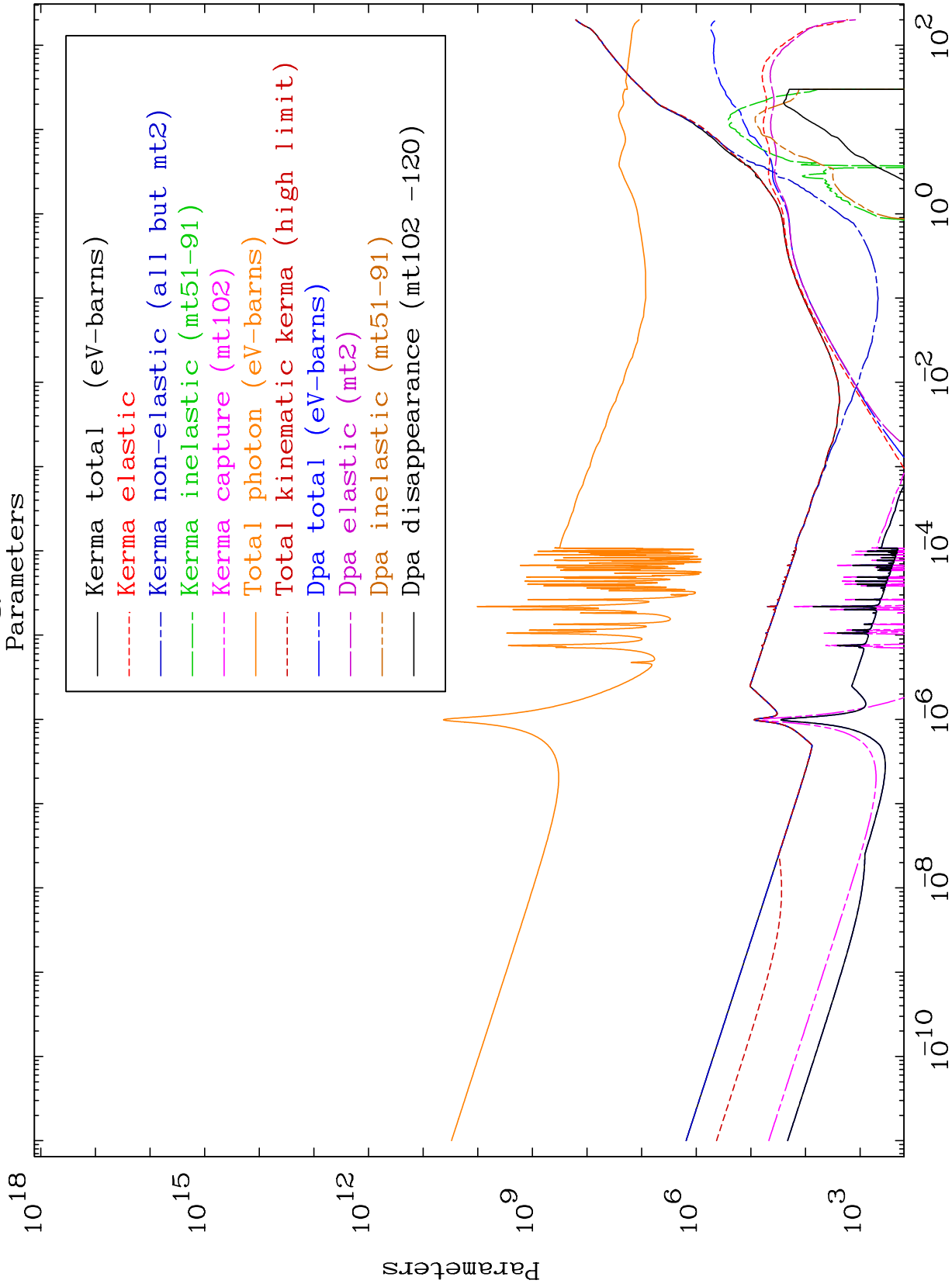
82-Pb-192

MAT 8189

(n,α) Levels  
293 Kelvin Cross Sections

82-Pb-192

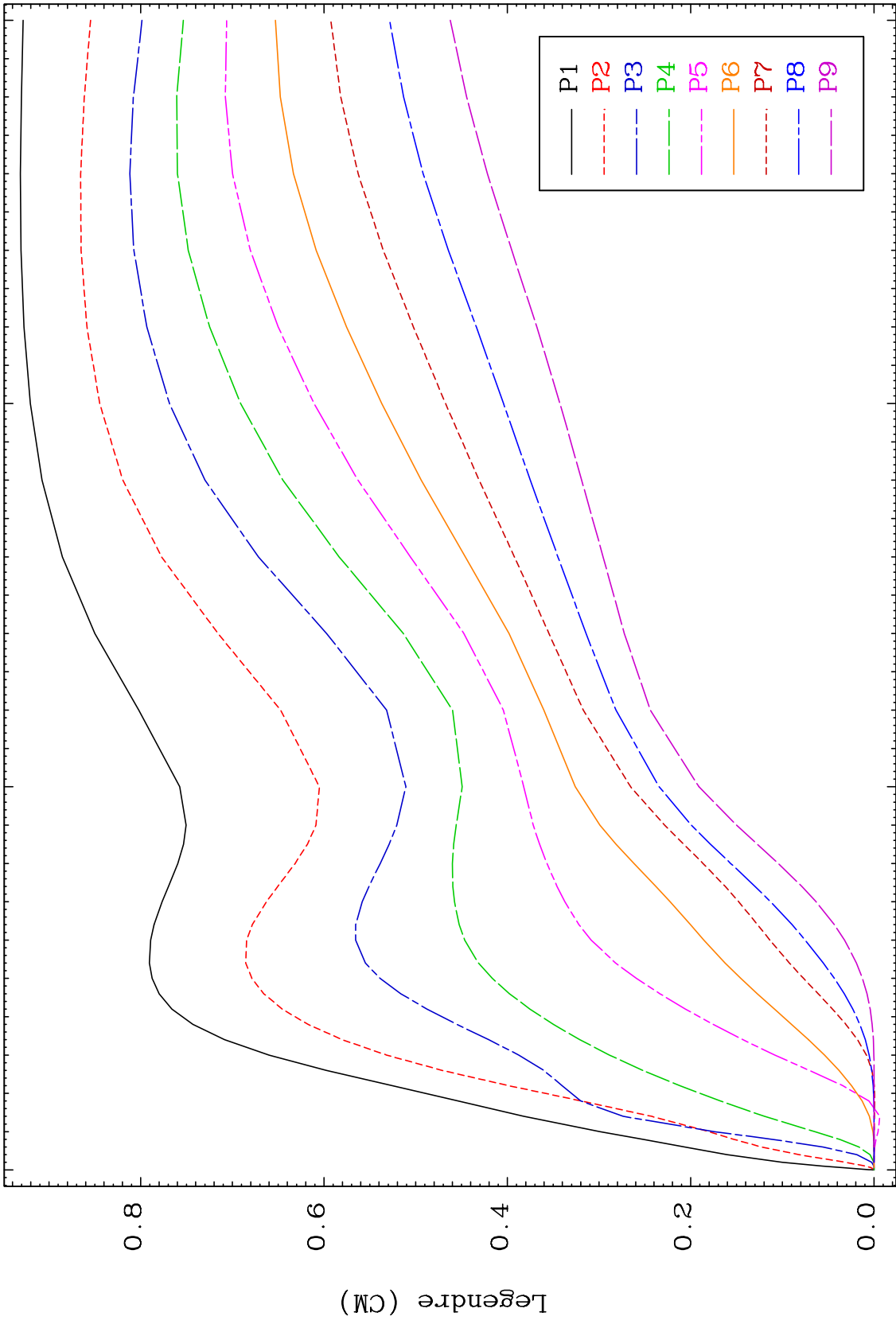




MAT 8189

Elastic Legendre Coefficients

82-Pb-192



15

Incident Energy (MeV)

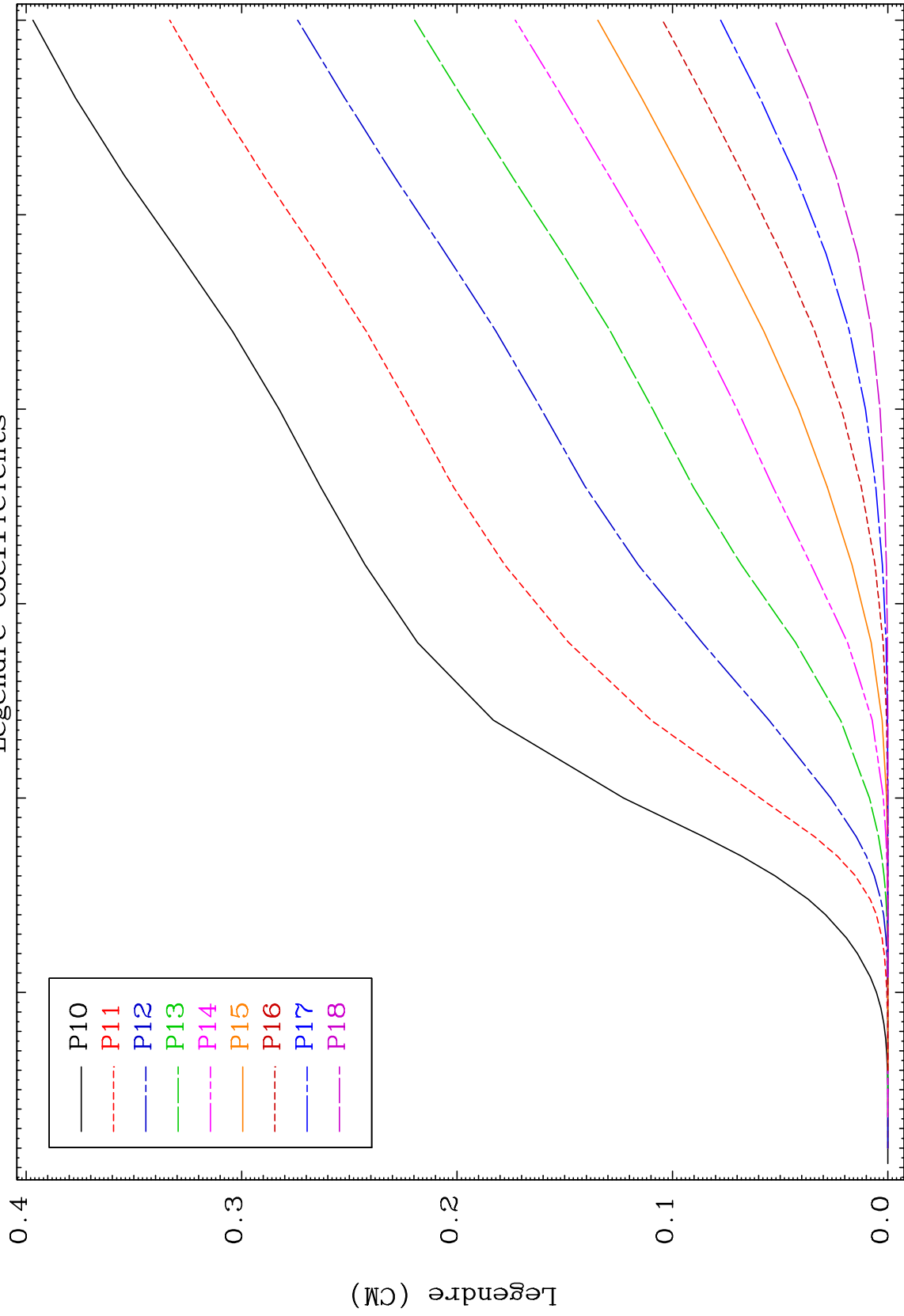
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MAT 8189

Elastic Legendre Coefficients

82-Pb-192



16

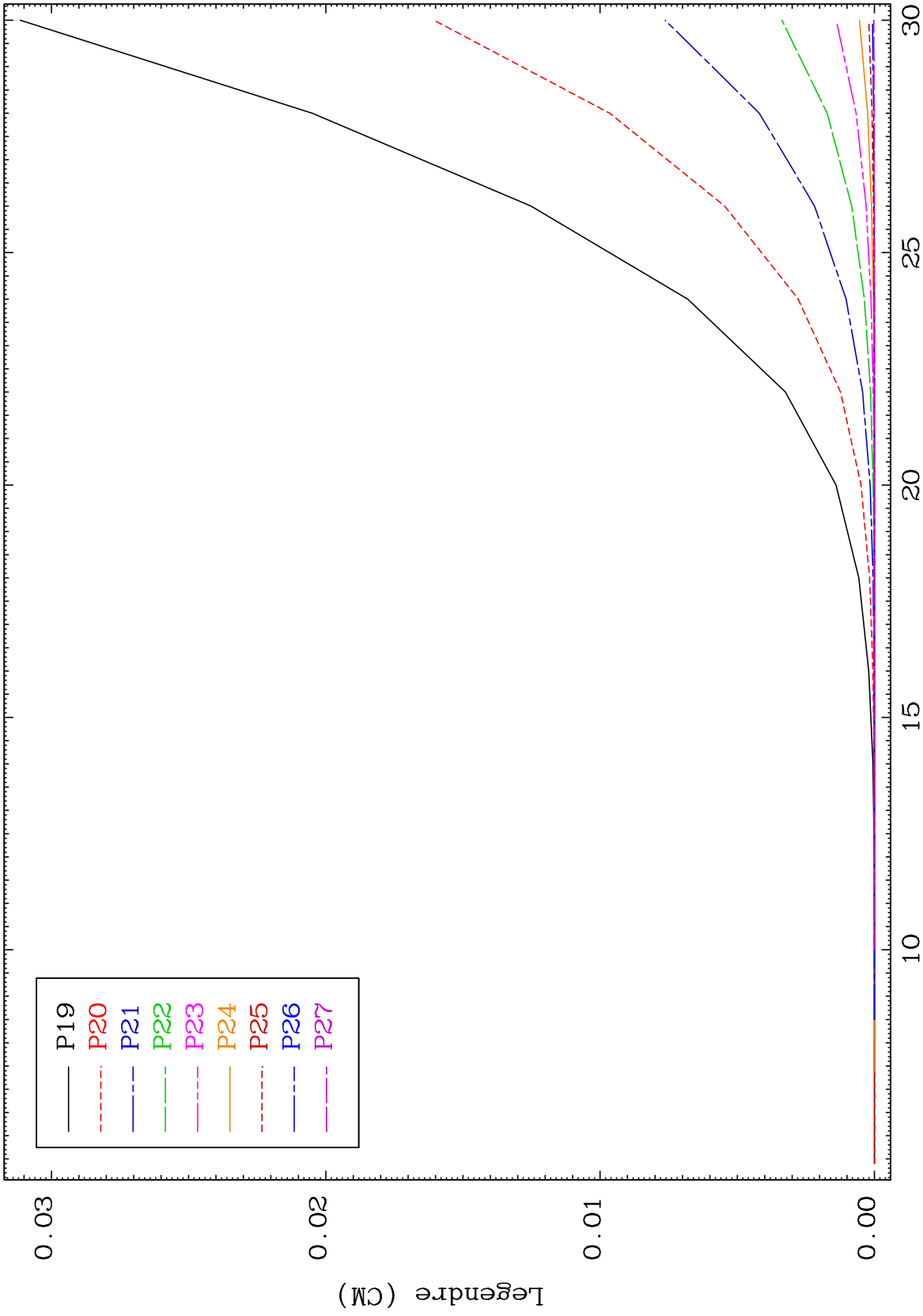
Incident Energy (MeV)

82-Pb-192

MAT 8189

### Elastic Legendre Coefficients

82-Pb-192



17

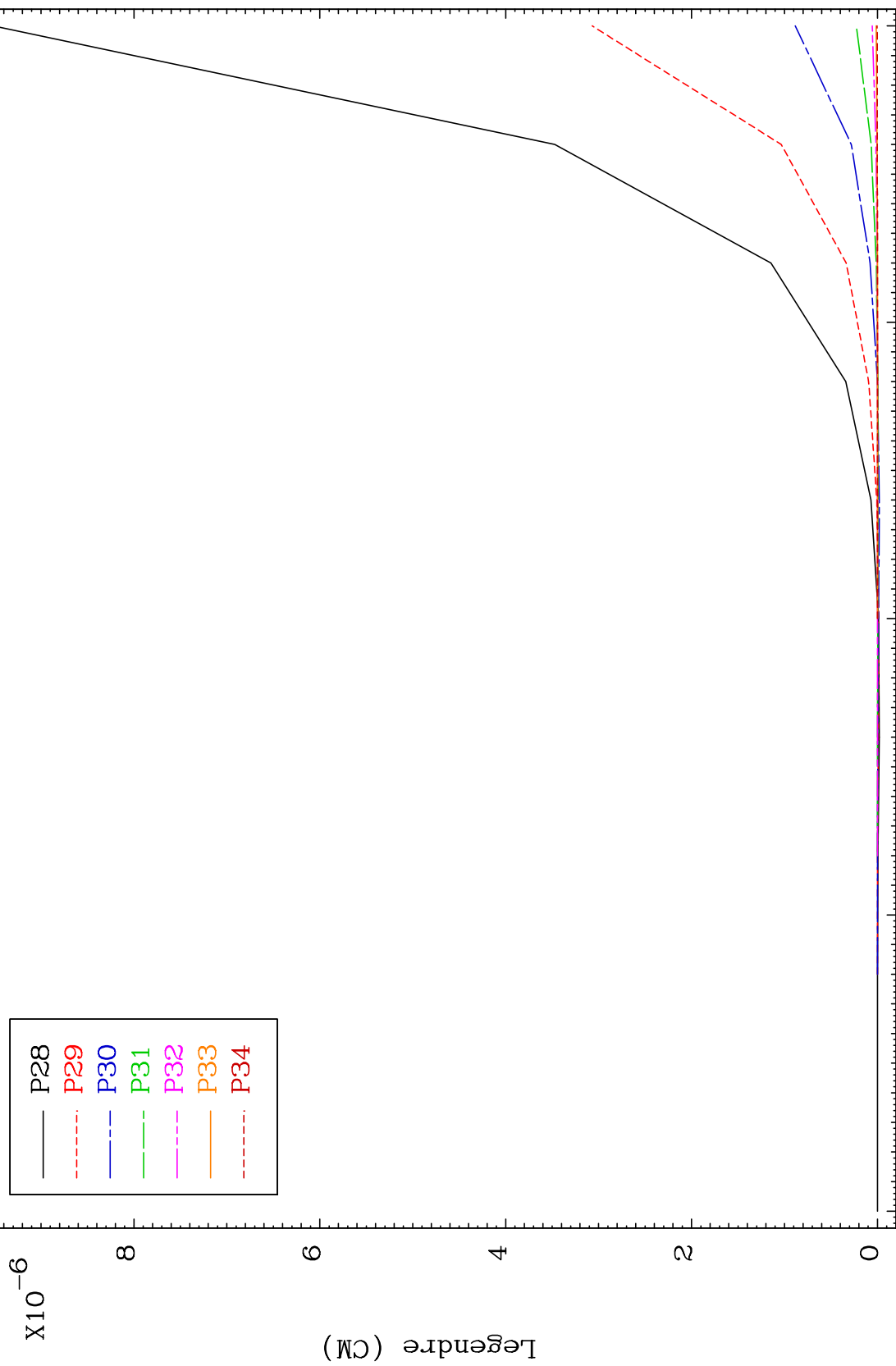
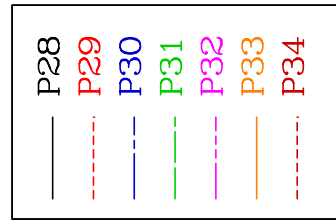
Incident Energy (MeV)

82-Pb-192

MAT 8189

Elastic Legendre Coefficients

82-Pb-192



18

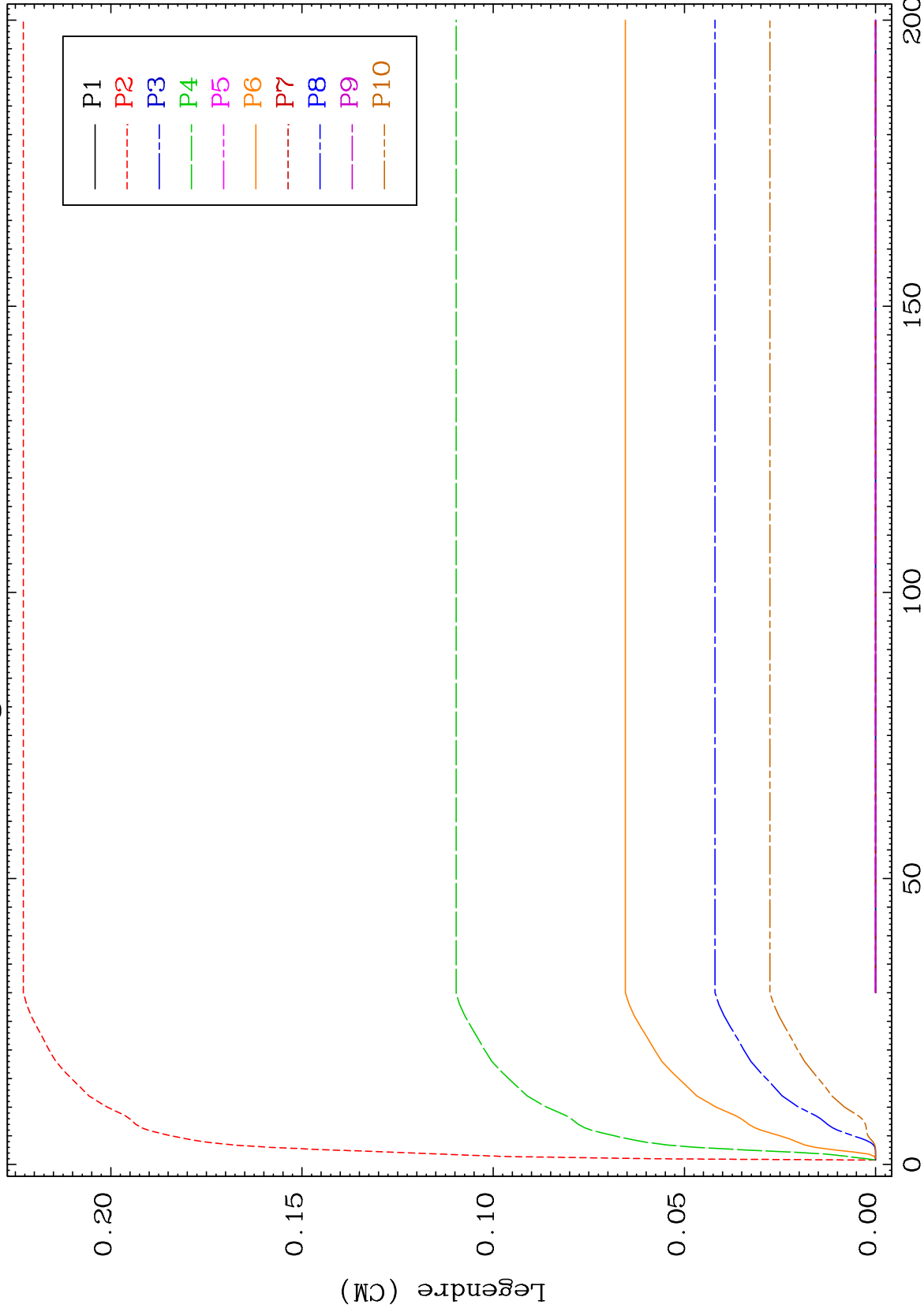
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



19

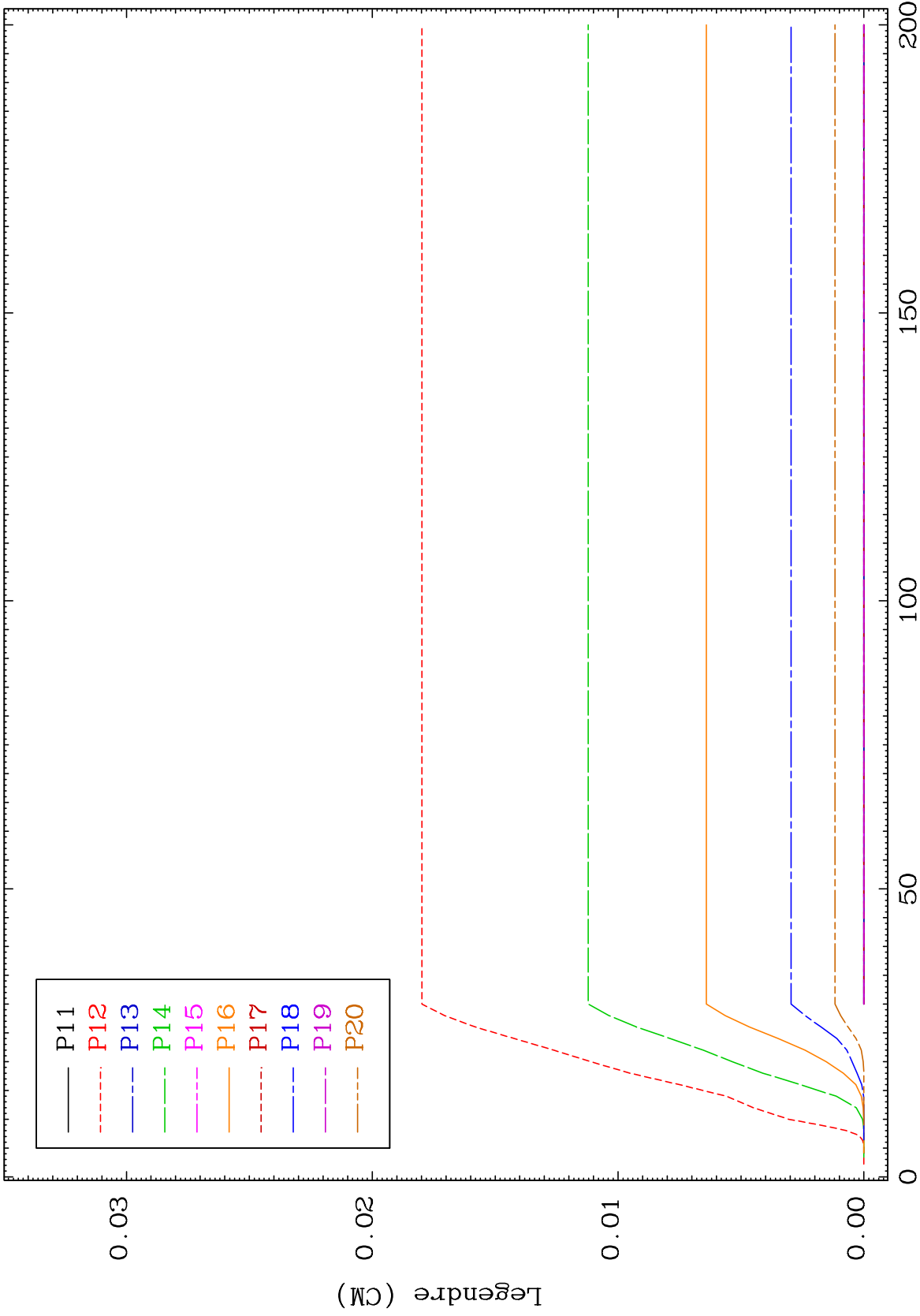
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



0

0.00

0.01

0.02

0.03

200

150

100

50

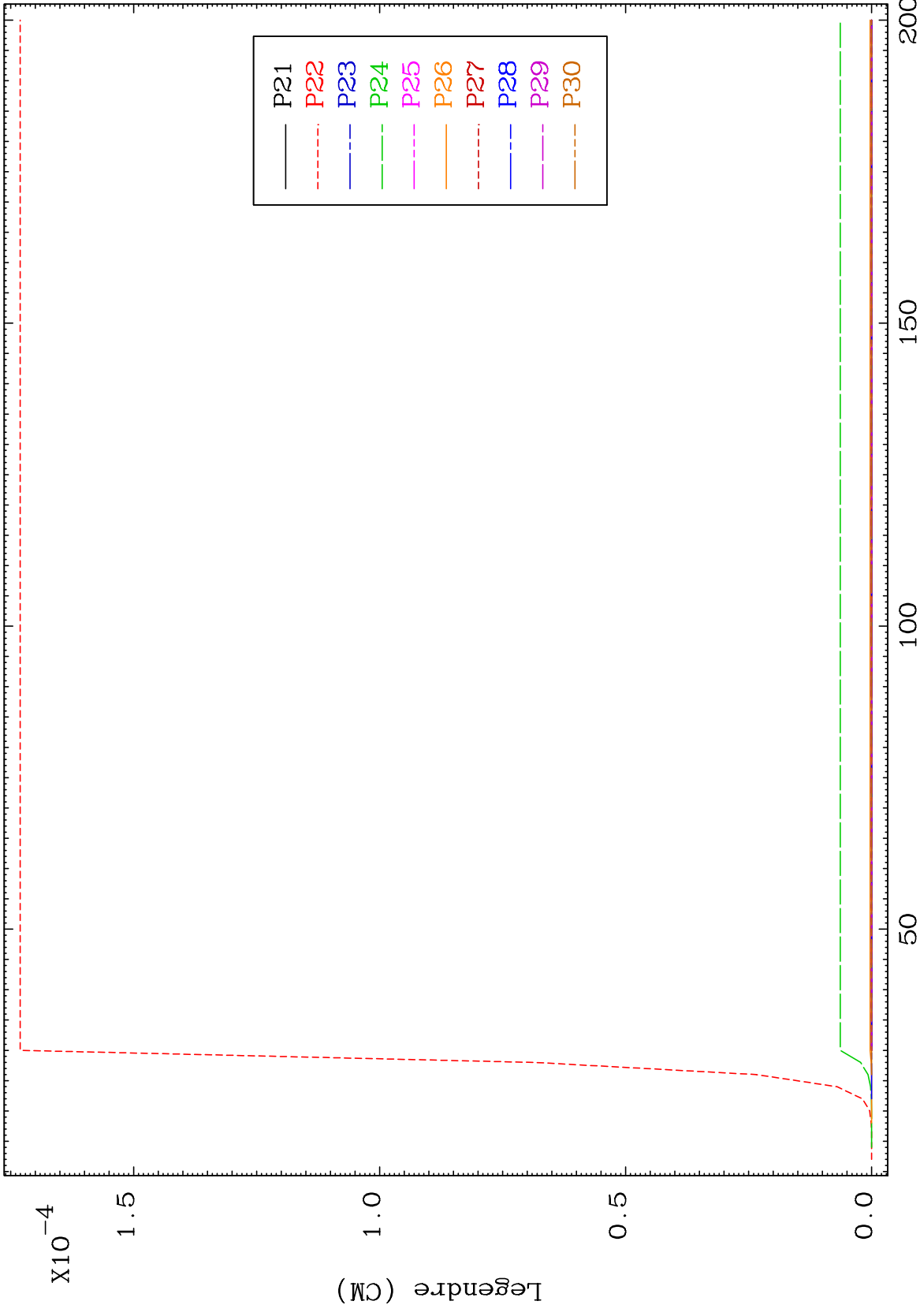
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192

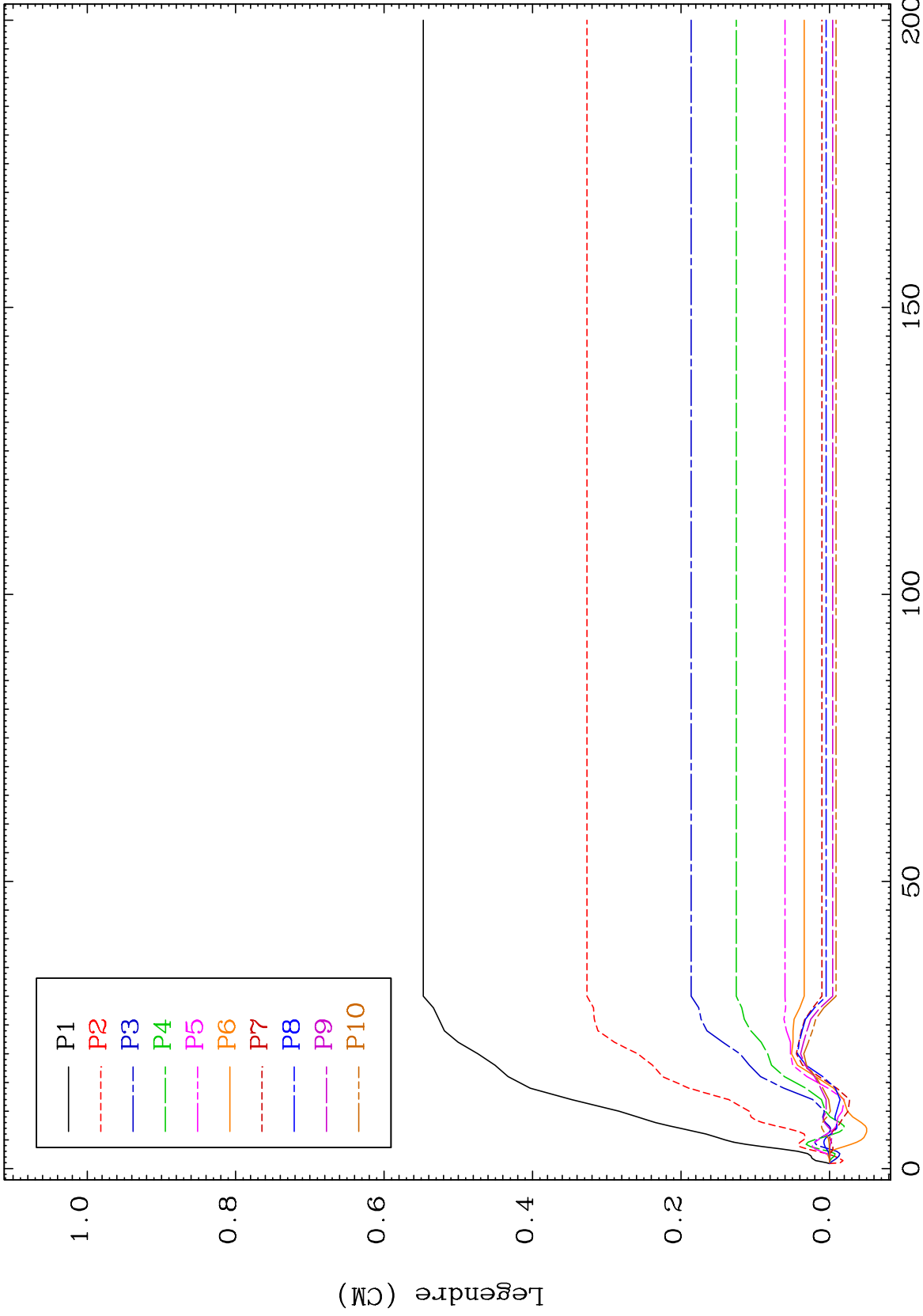


21

MAT 8189

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

82-Pb-192



22

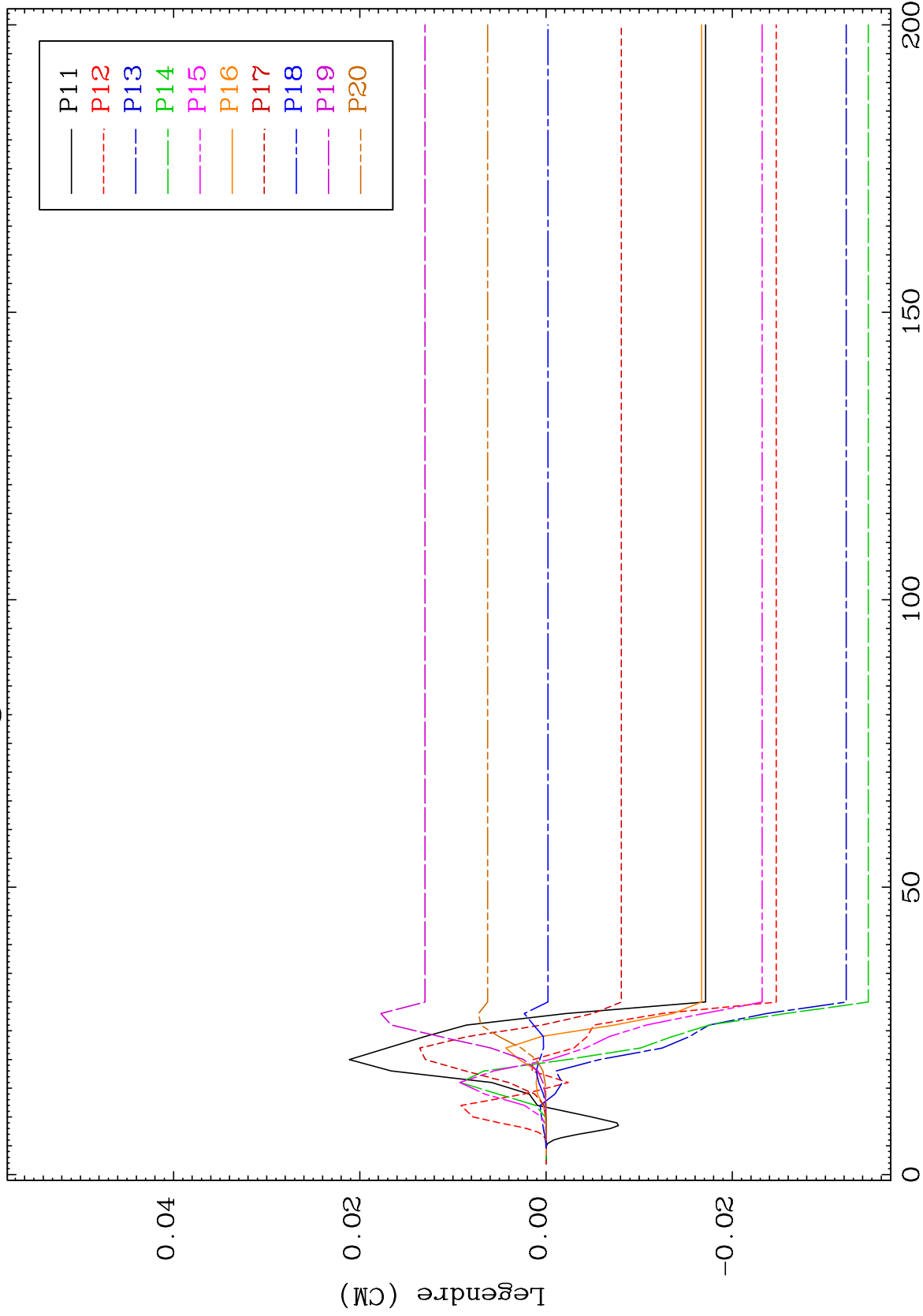
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



23

Incident Energy (MeV)

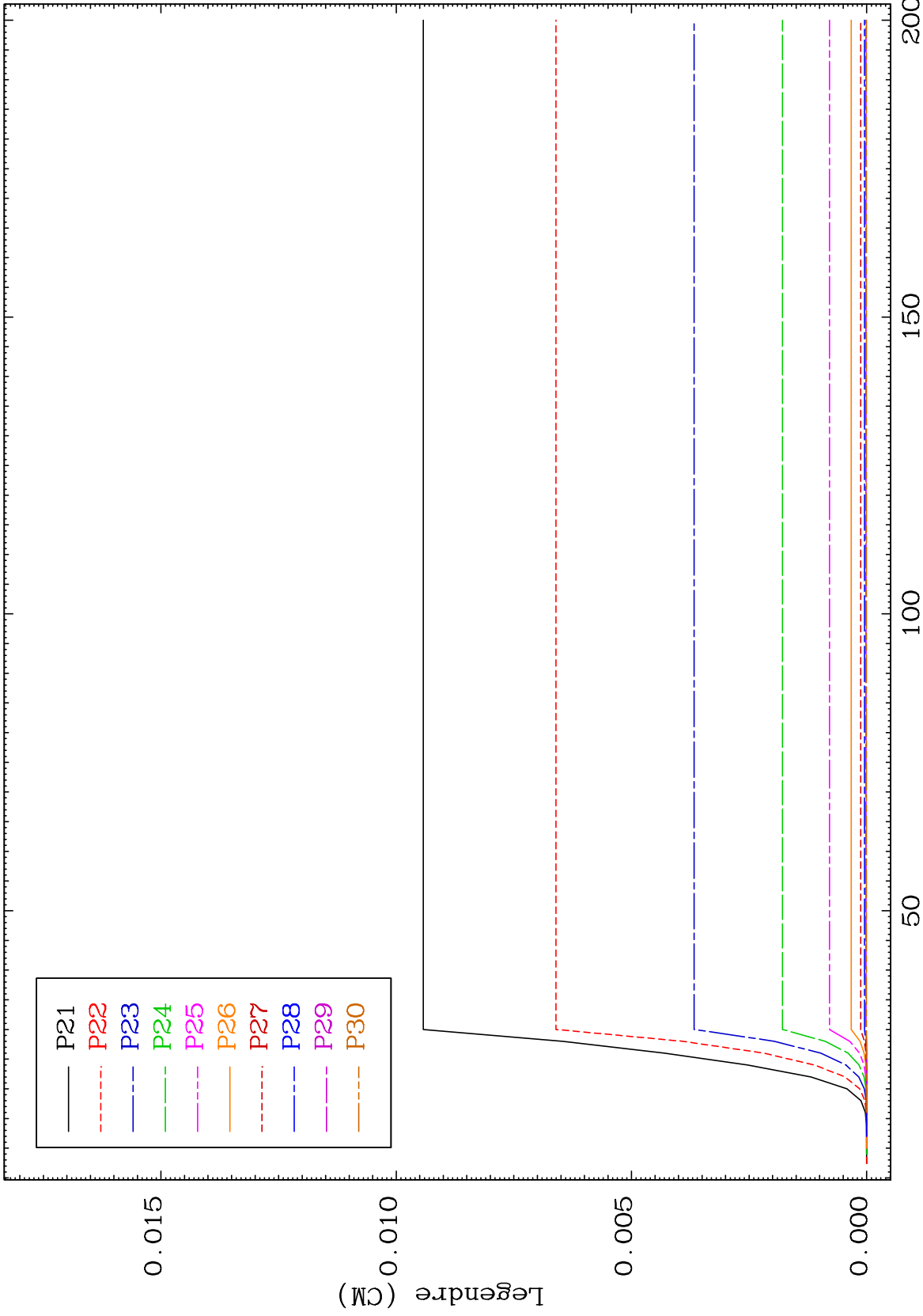
82-Pb-192



MAT 8189

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

82-Pb-192



24

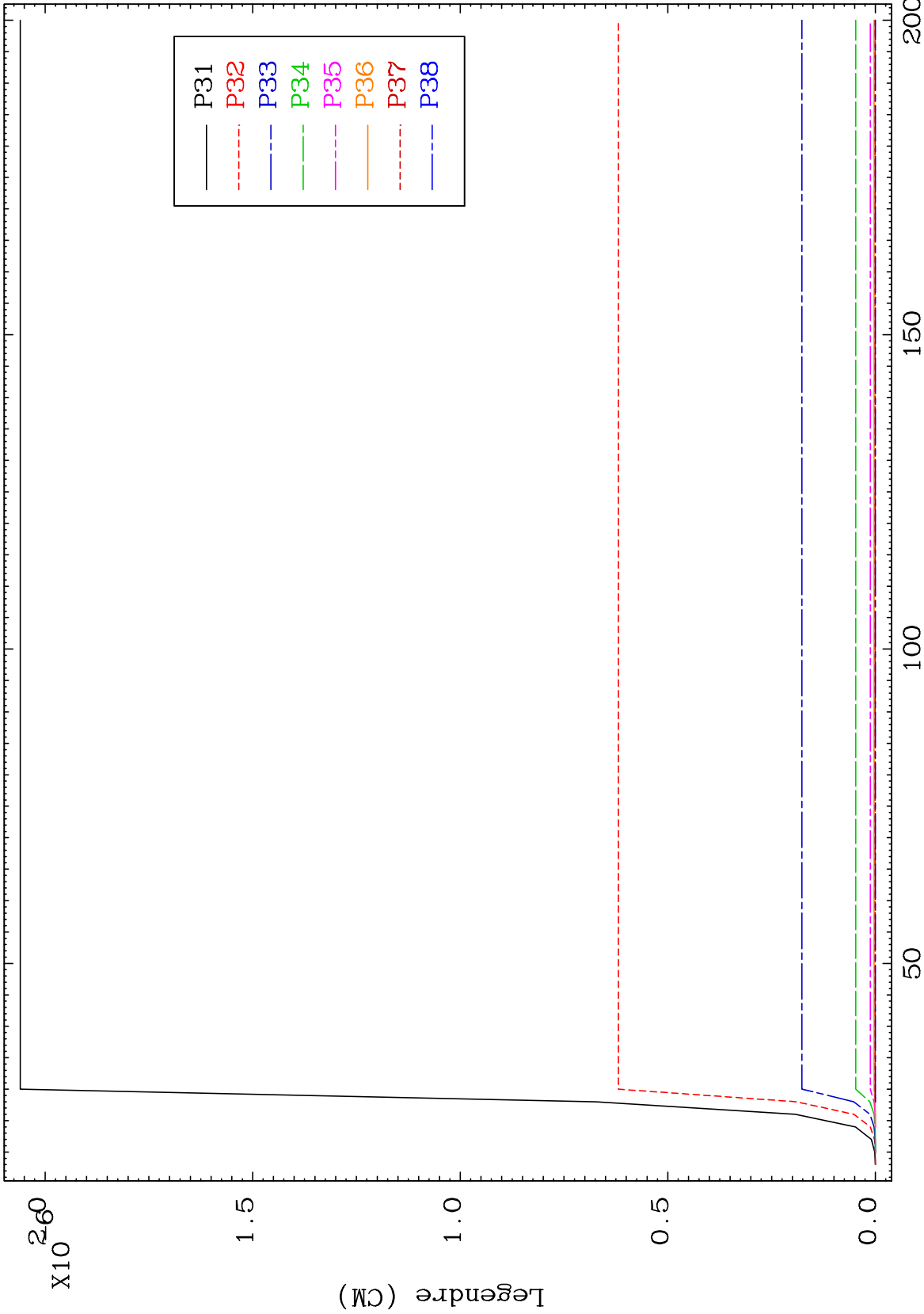
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



25

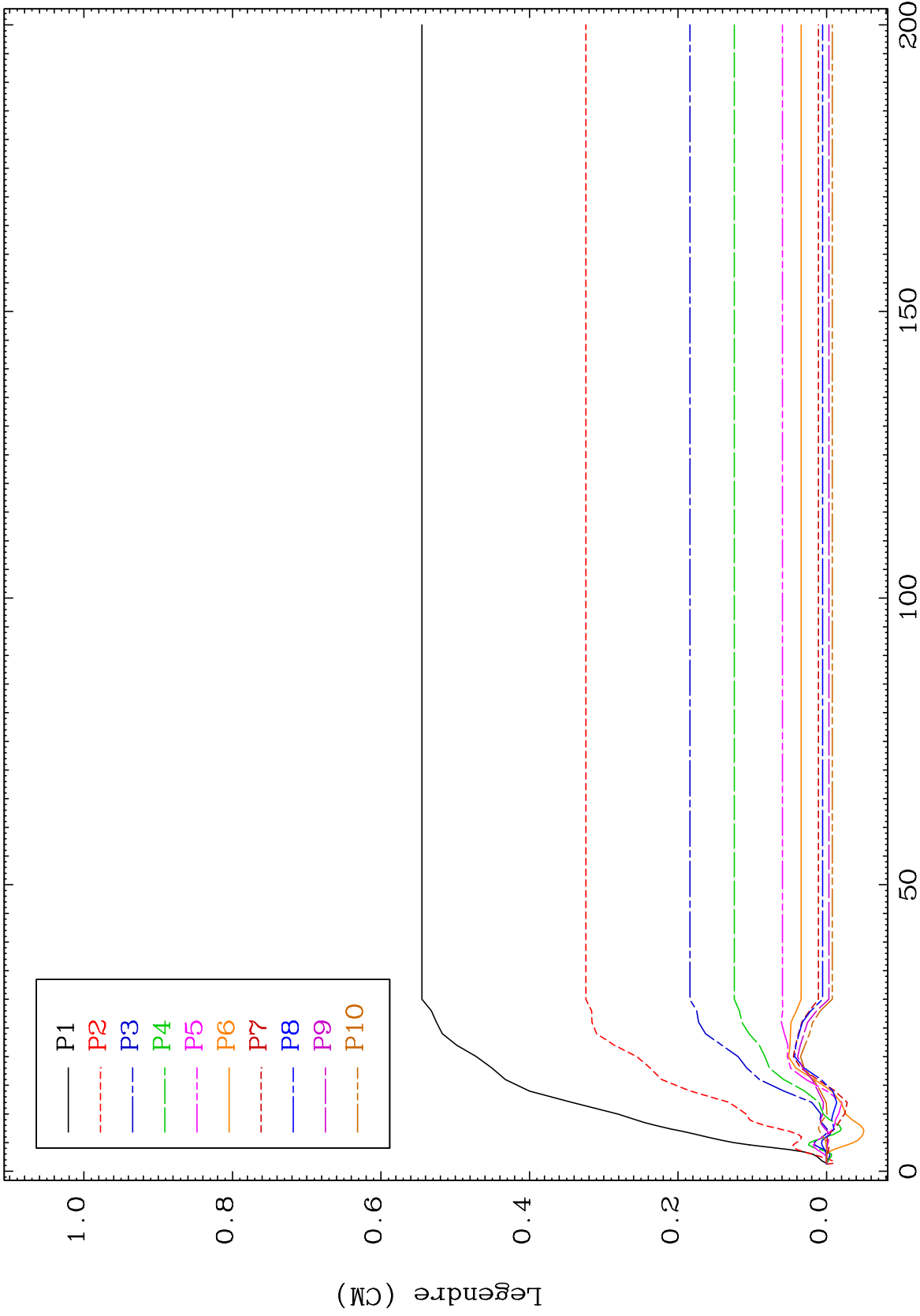
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



26

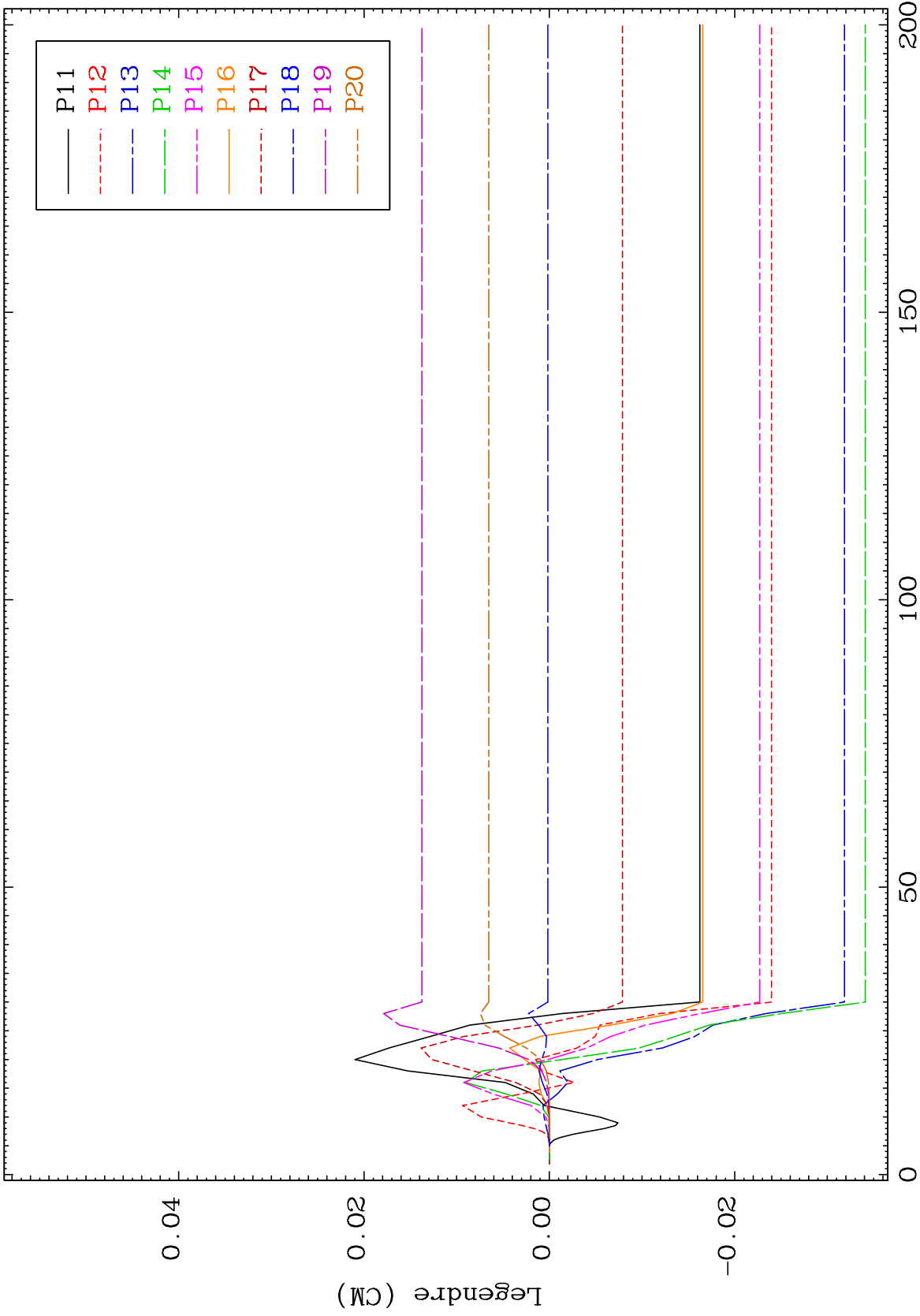
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



27

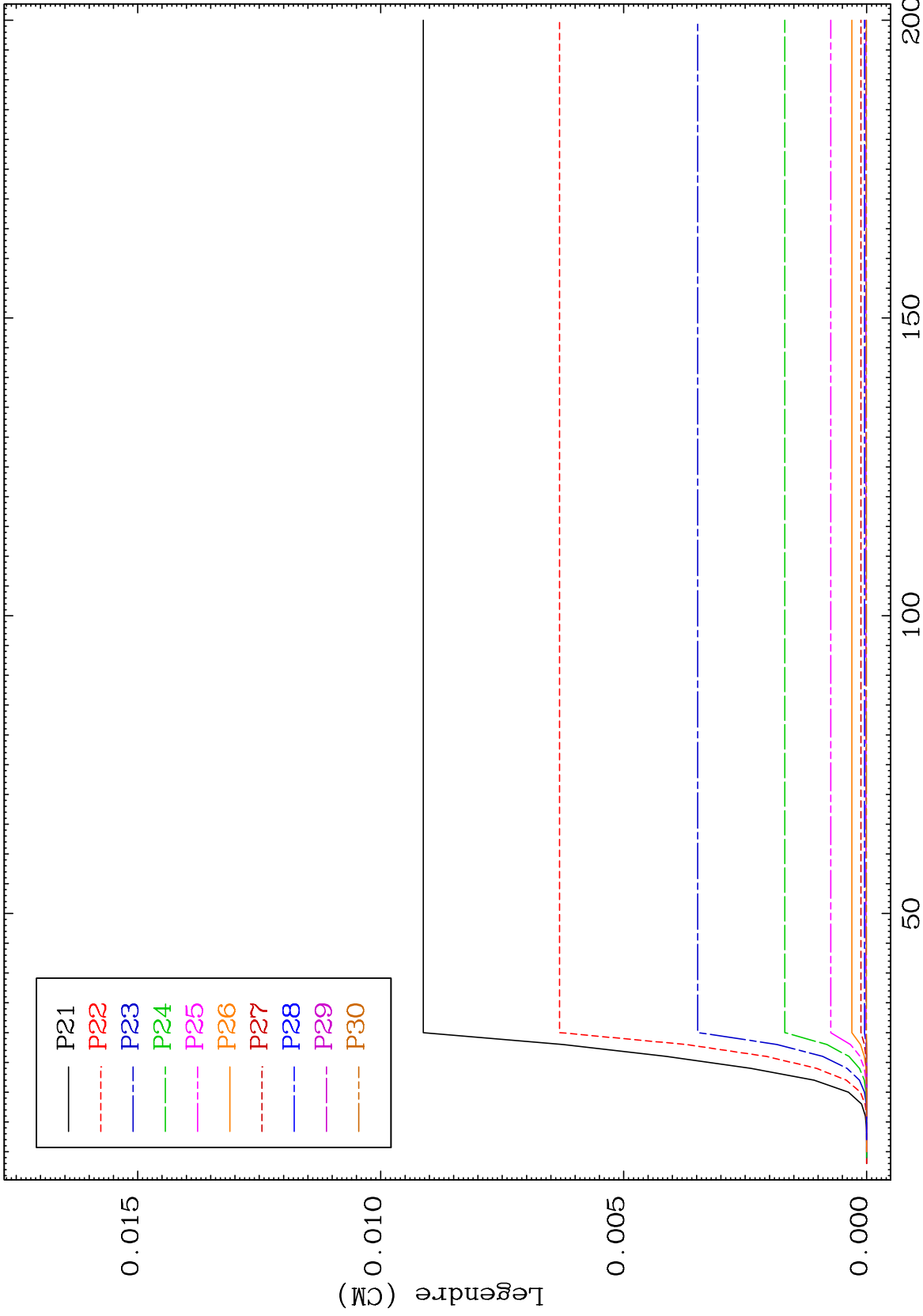
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



28

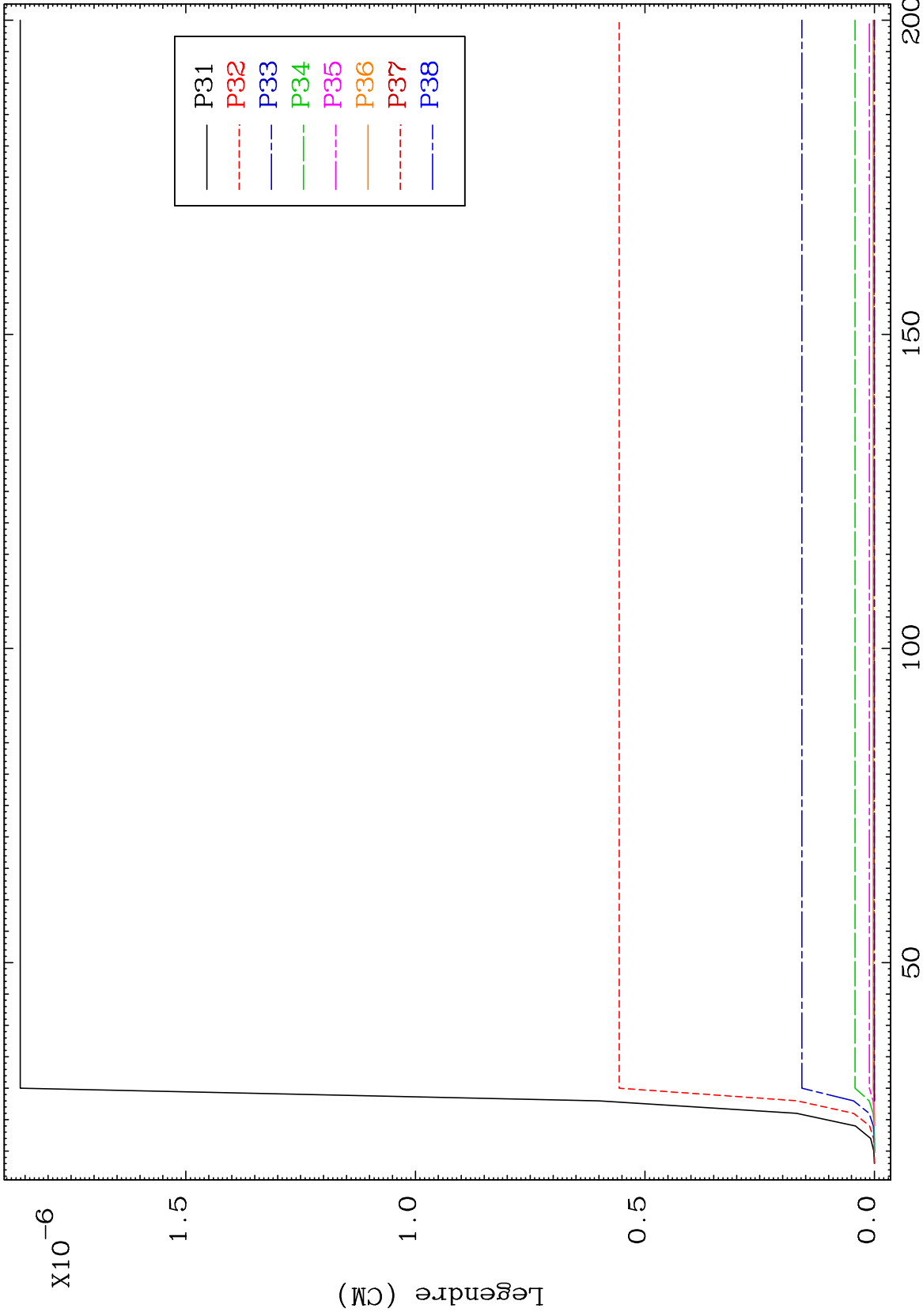
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



29

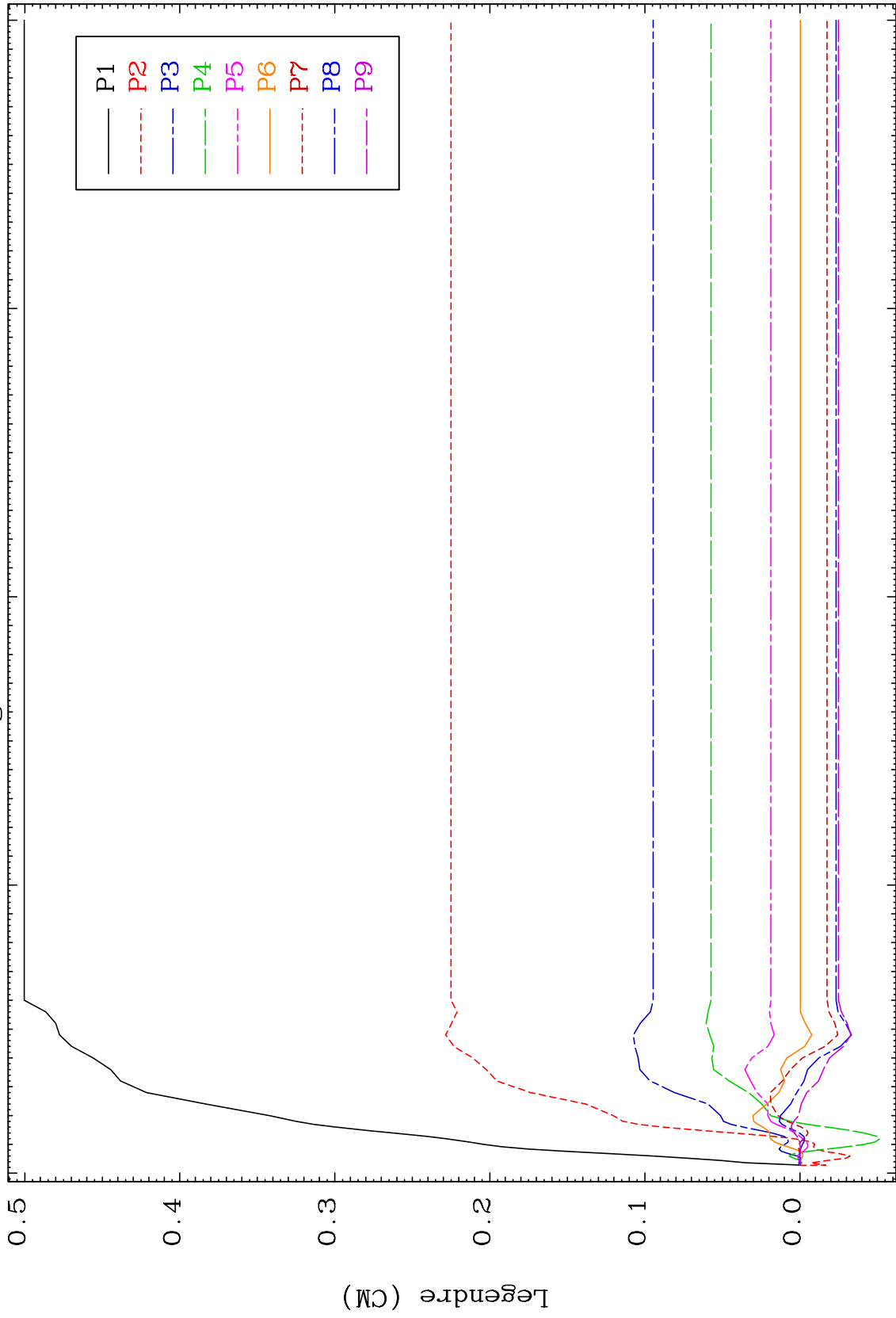
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



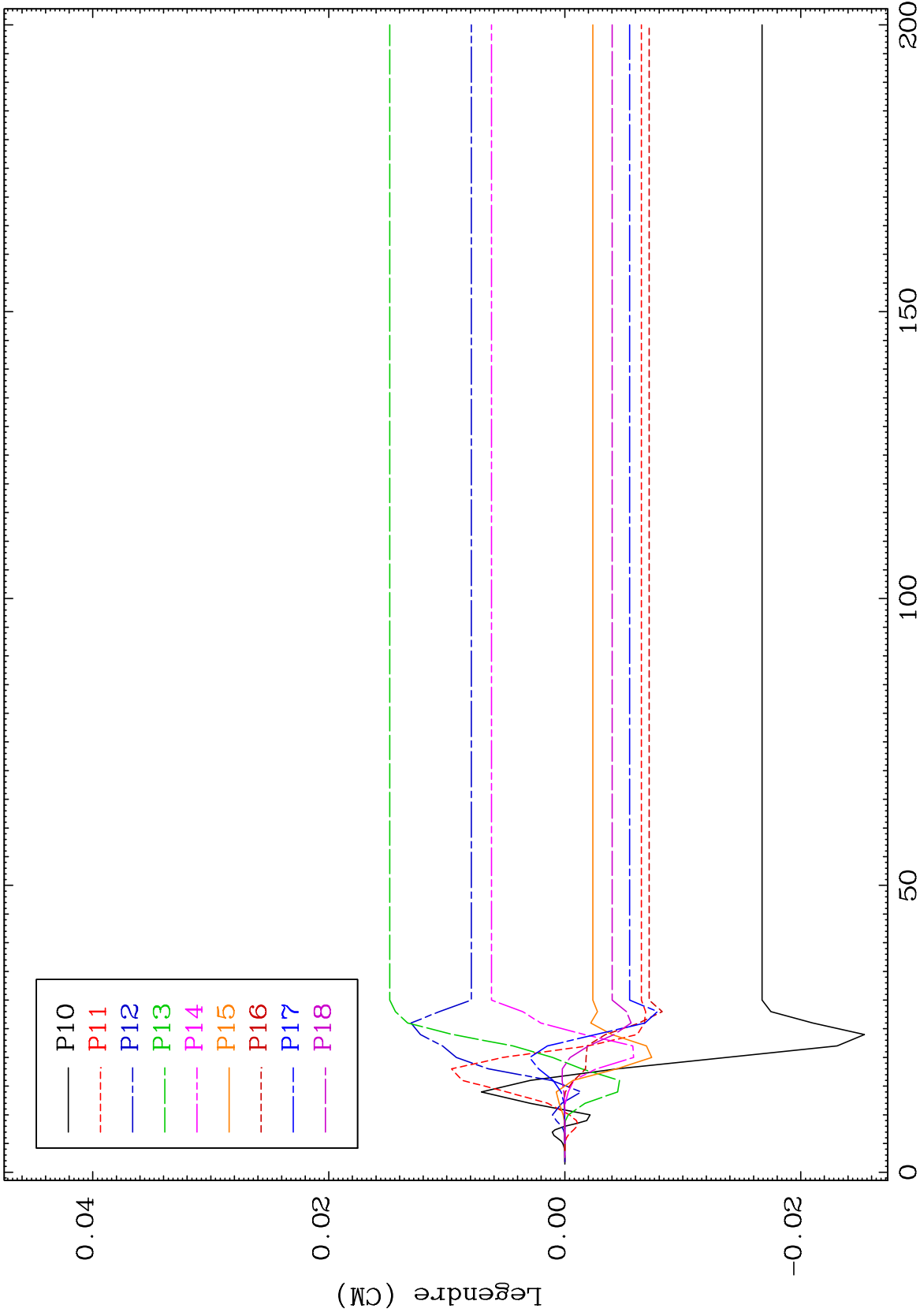
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



31

Incident Energy (MeV)

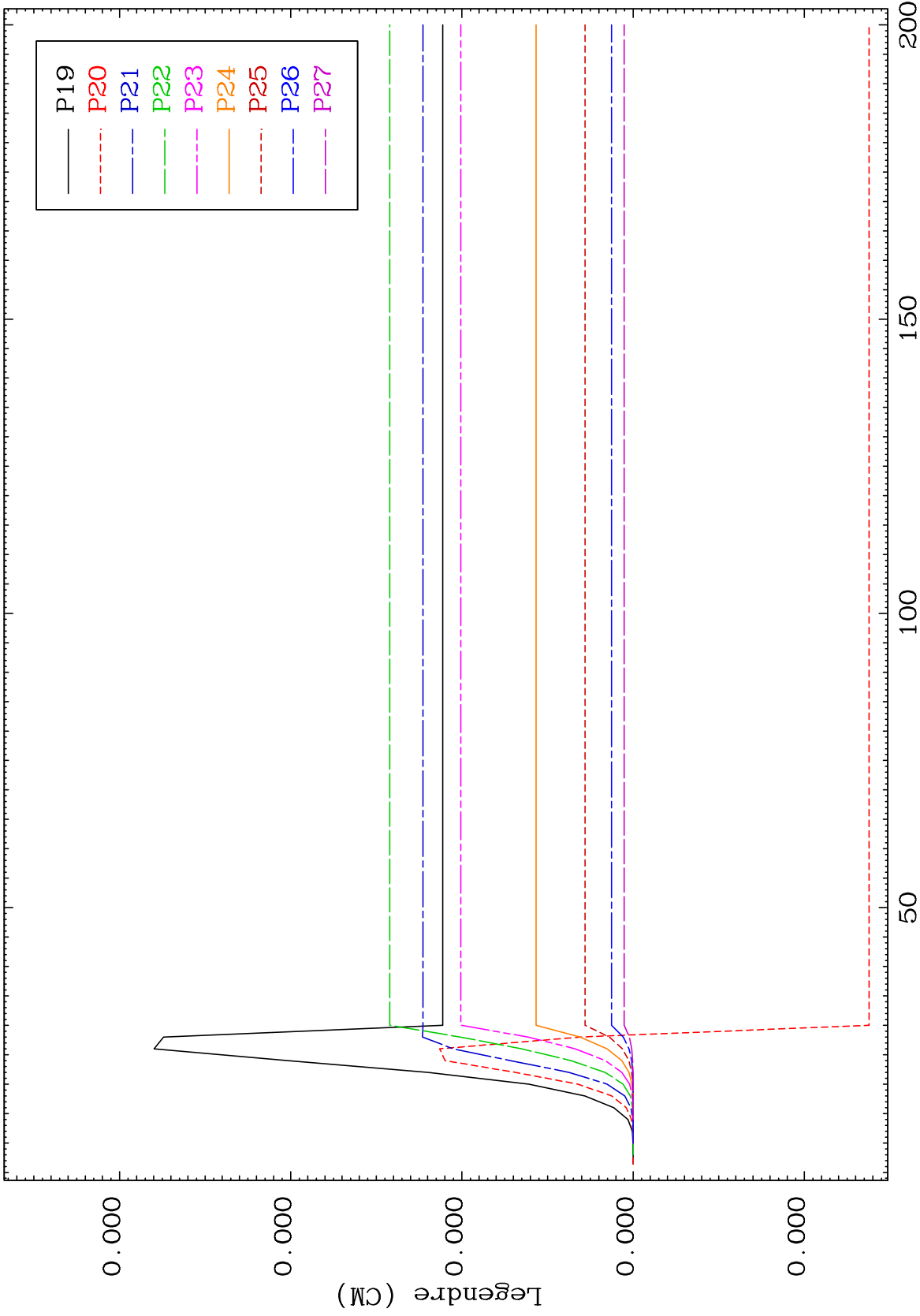
82-Pb-192



MAT 8189

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

82-Pb-192



32

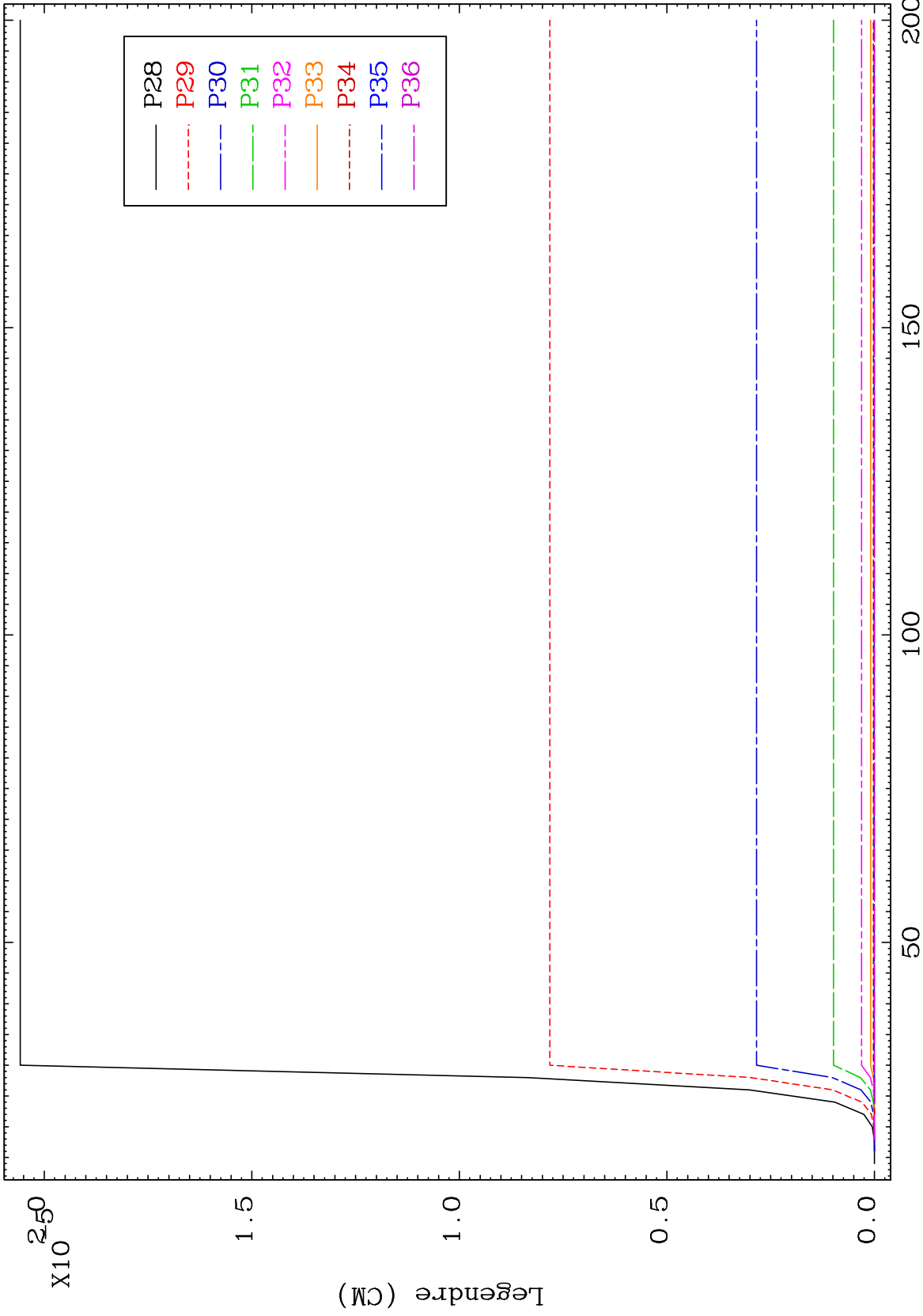
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



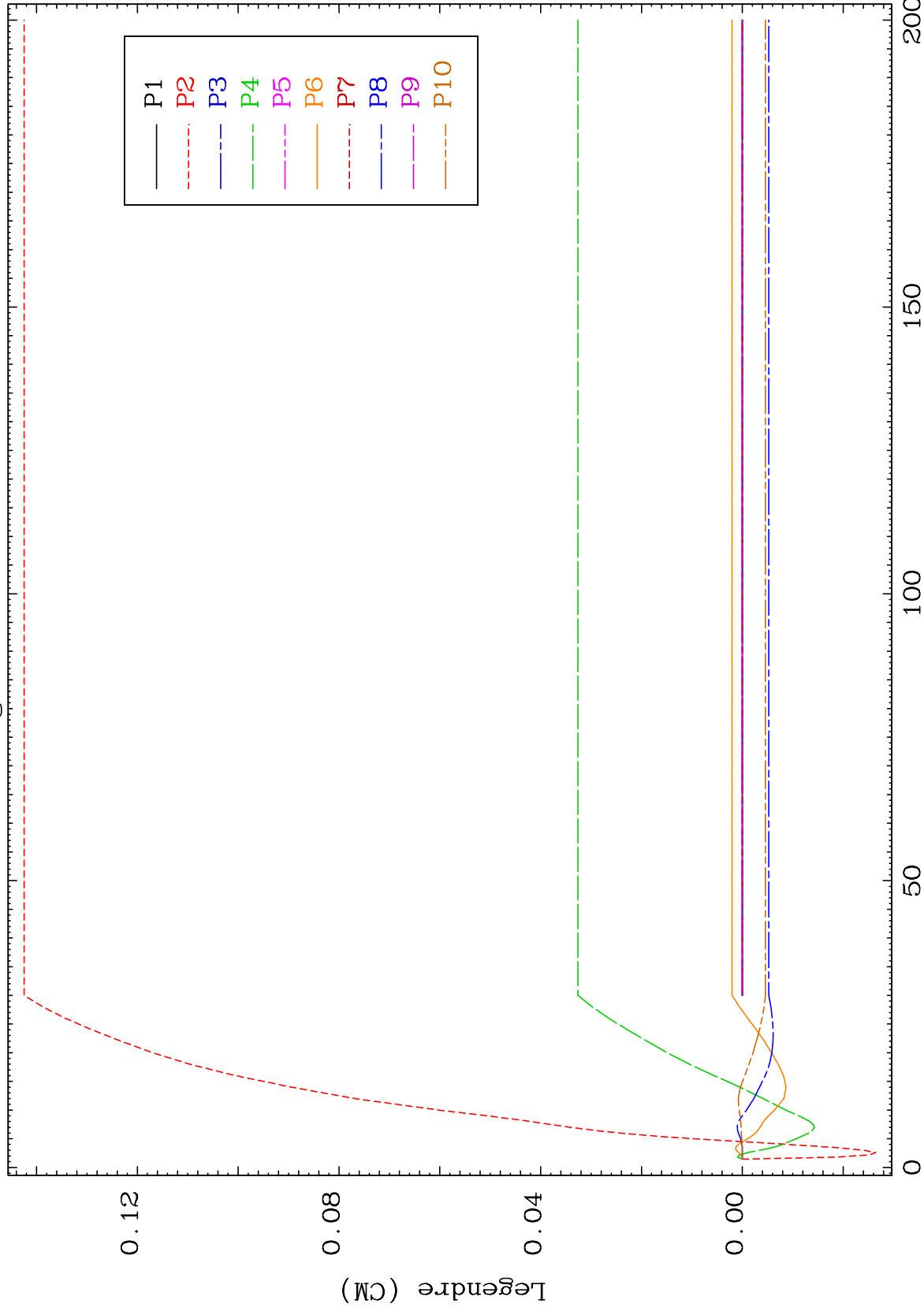
33

82-Pb-192

MAT 8189

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

82-Pb-192



34

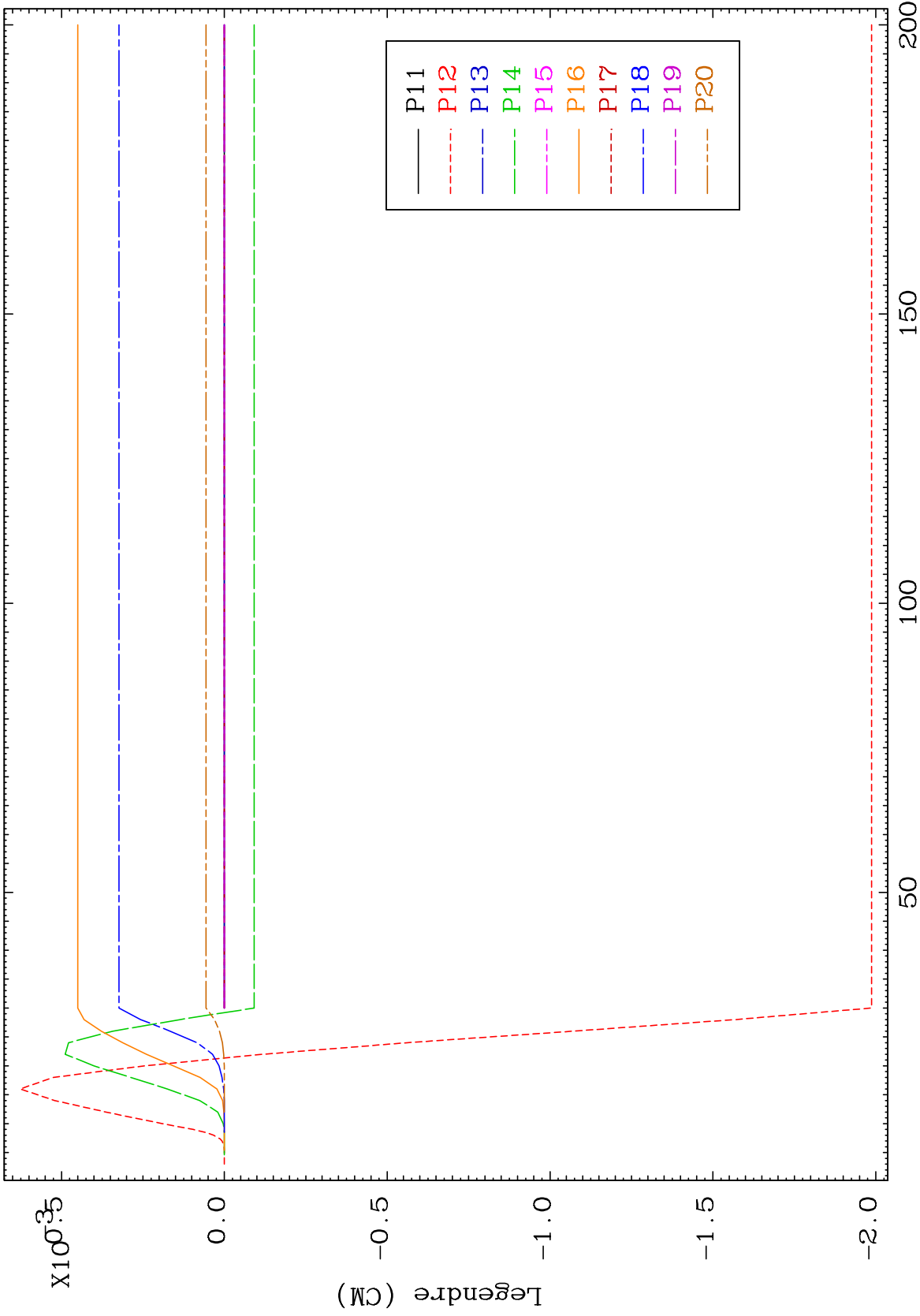
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



35

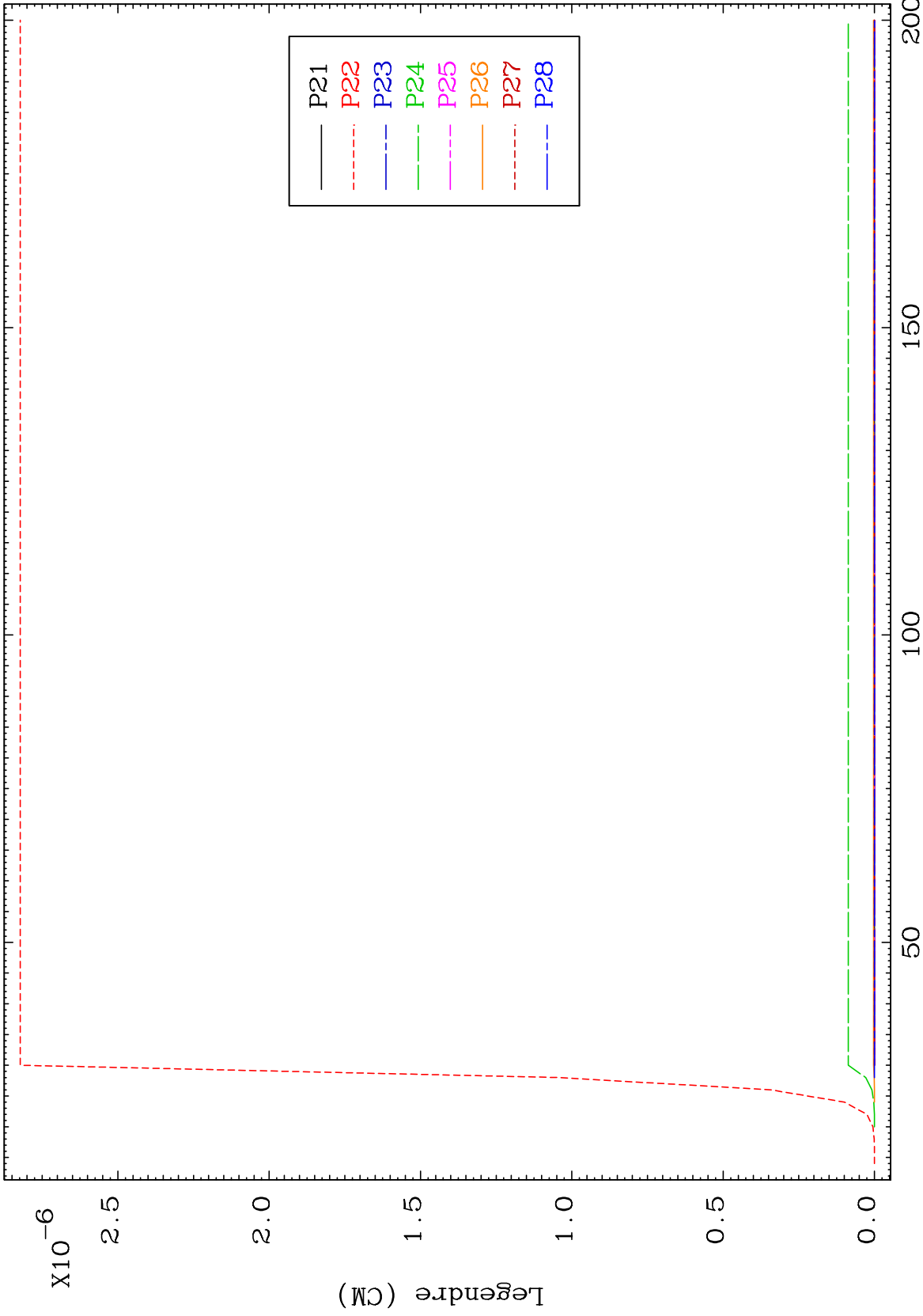
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



36

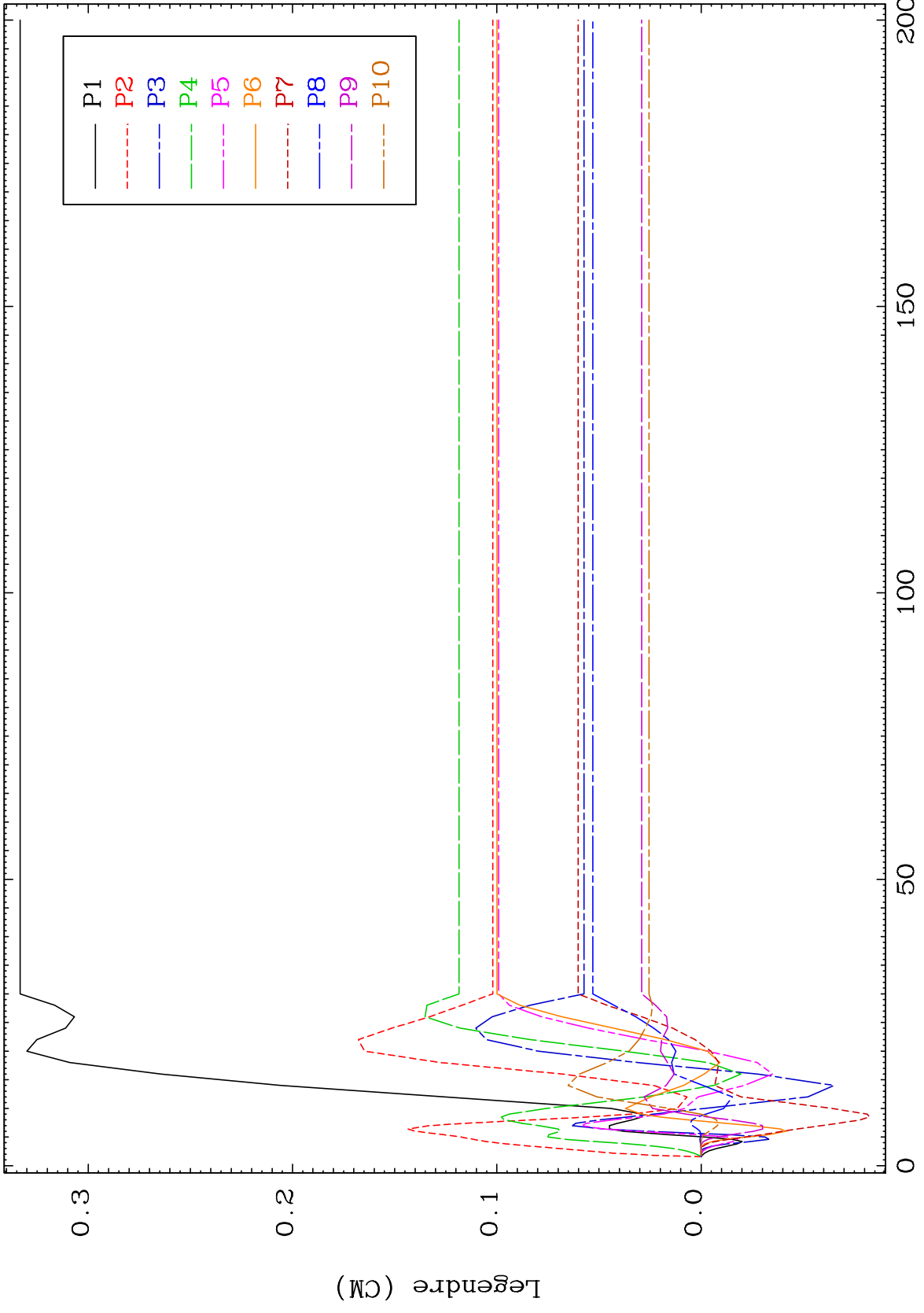
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



37

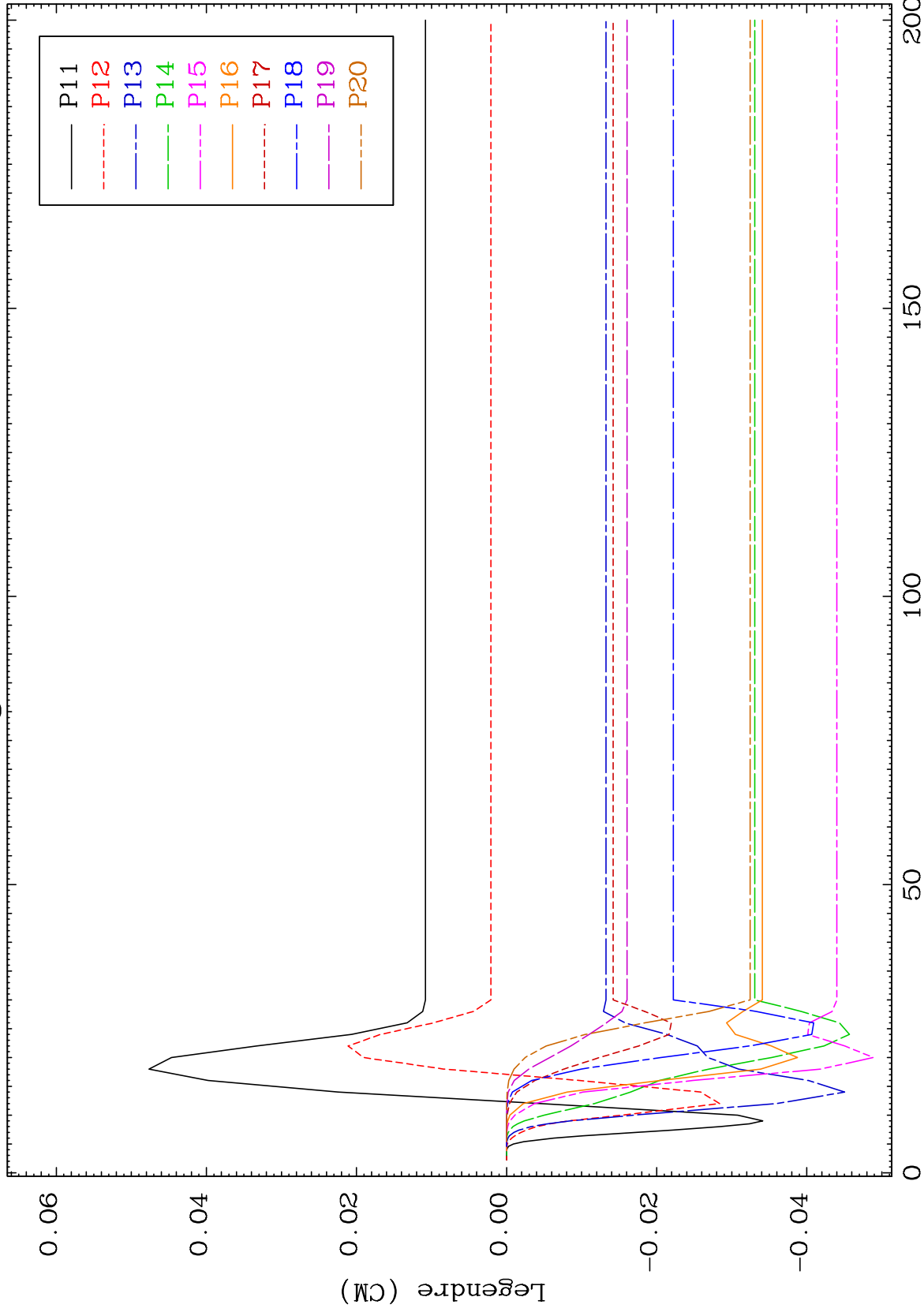
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



38

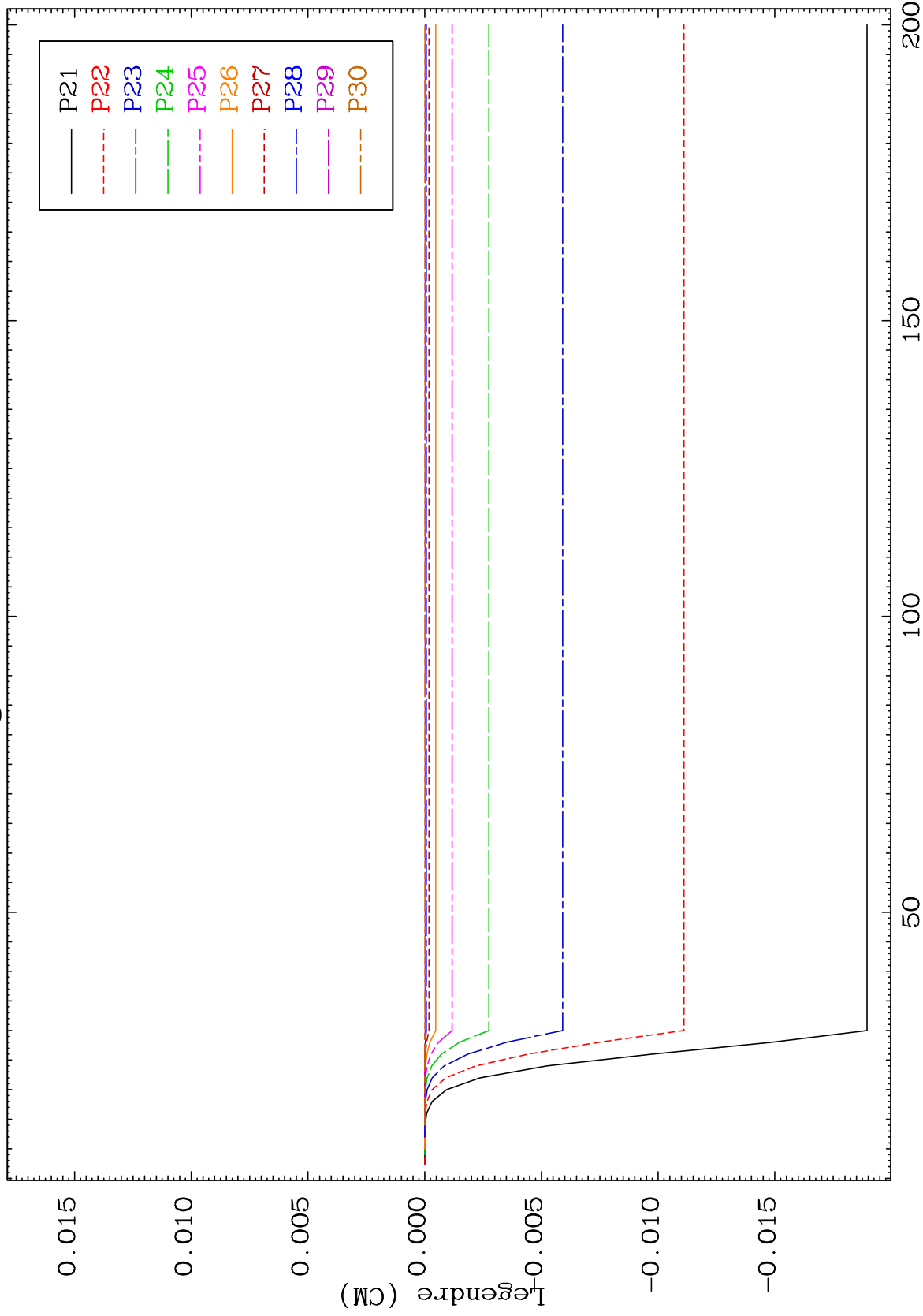
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



39

Incident Energy (MeV)

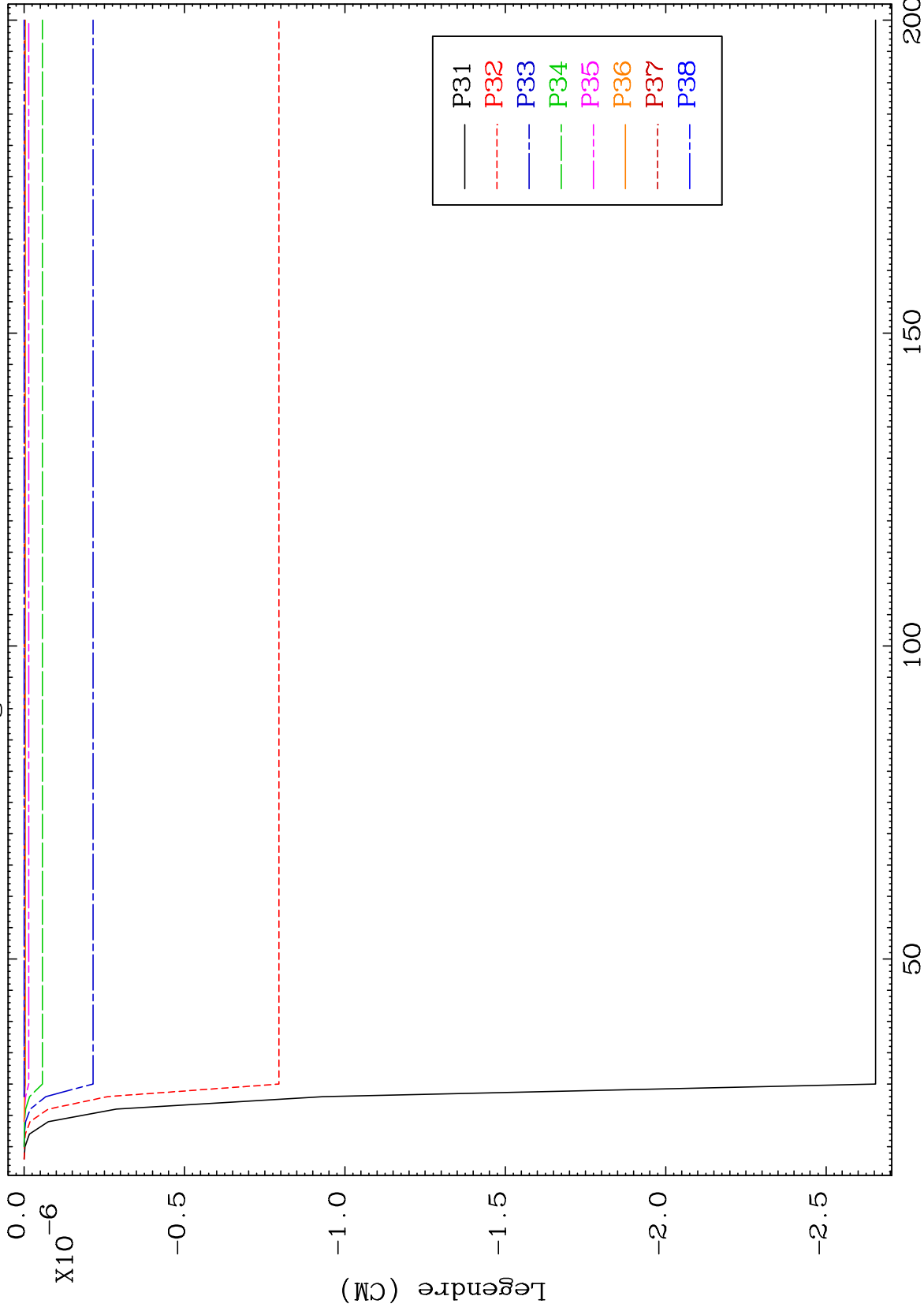
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MAT 8189

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

82-Pb-192



82-Pb-192

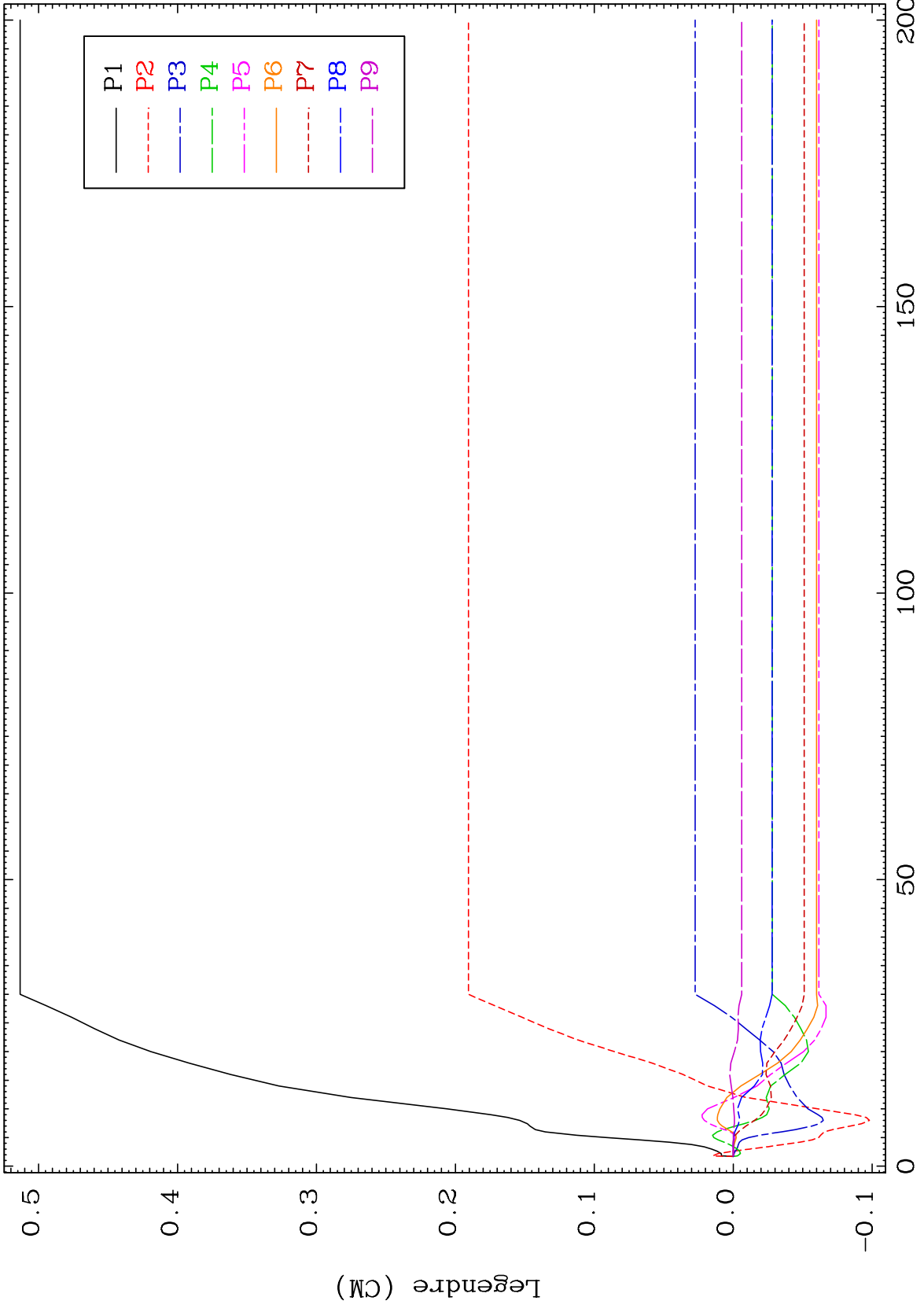
Incident Energy (MeV)

40

MAT 8189

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

82-Pb-192



41

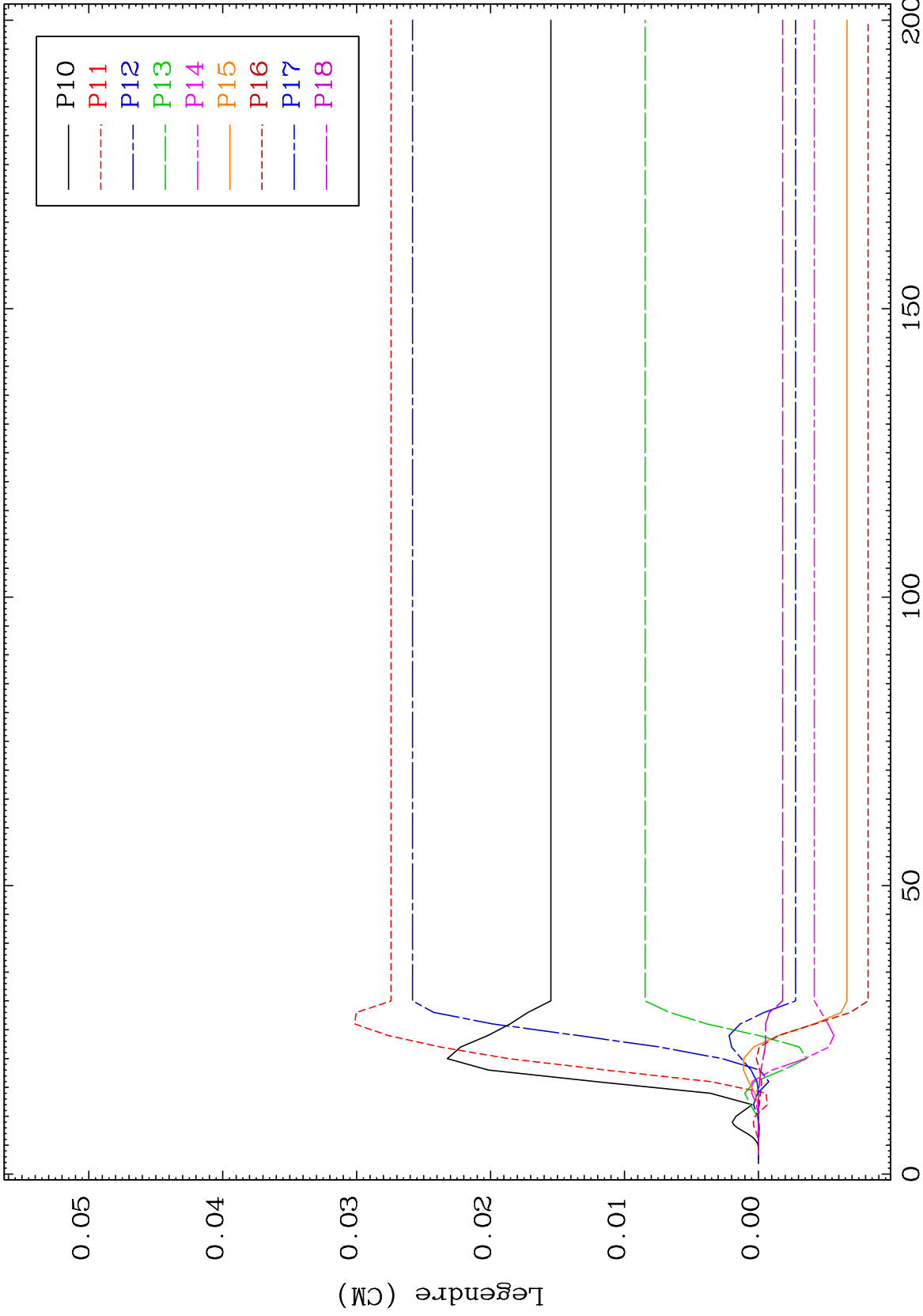
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



42

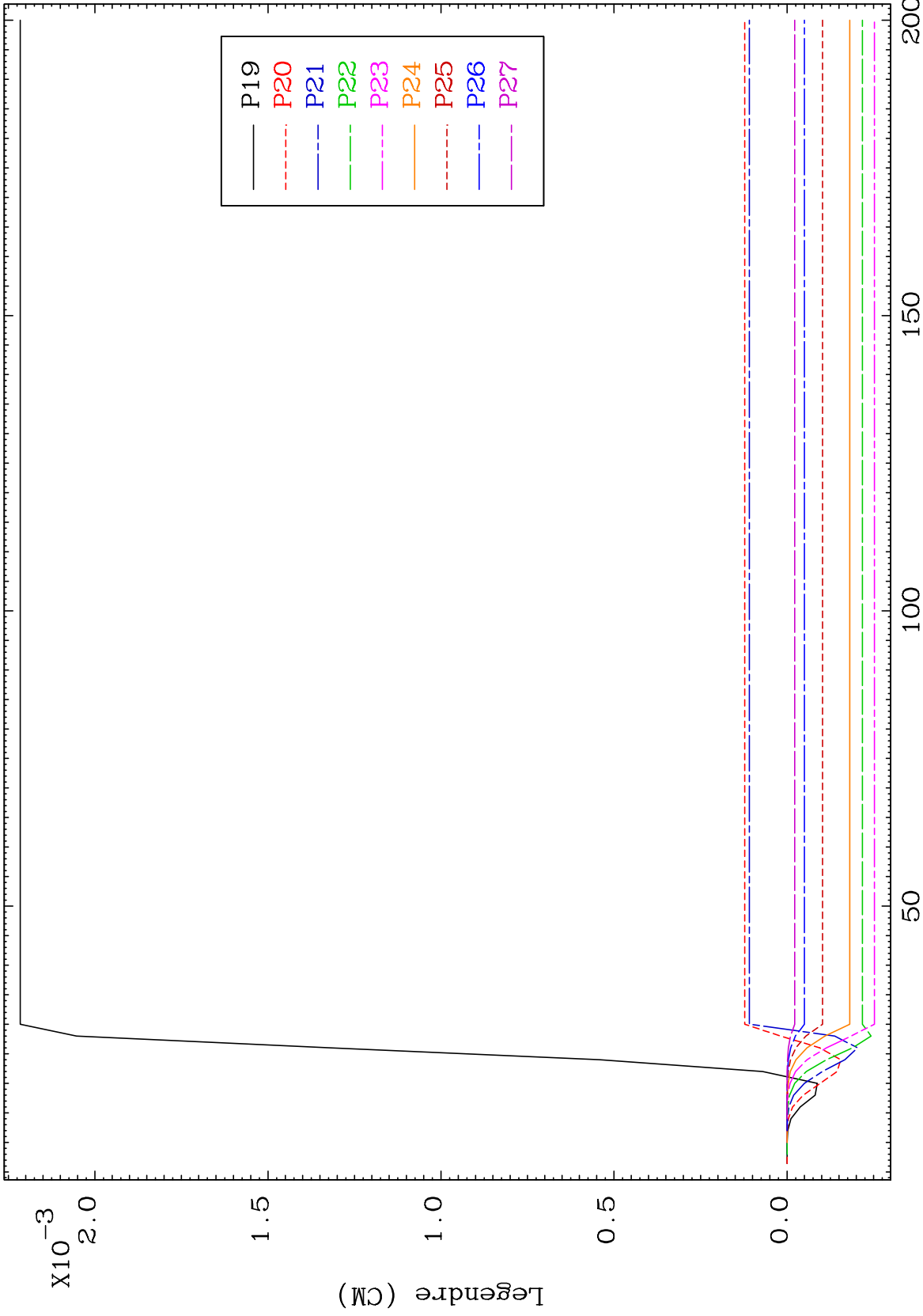
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



43

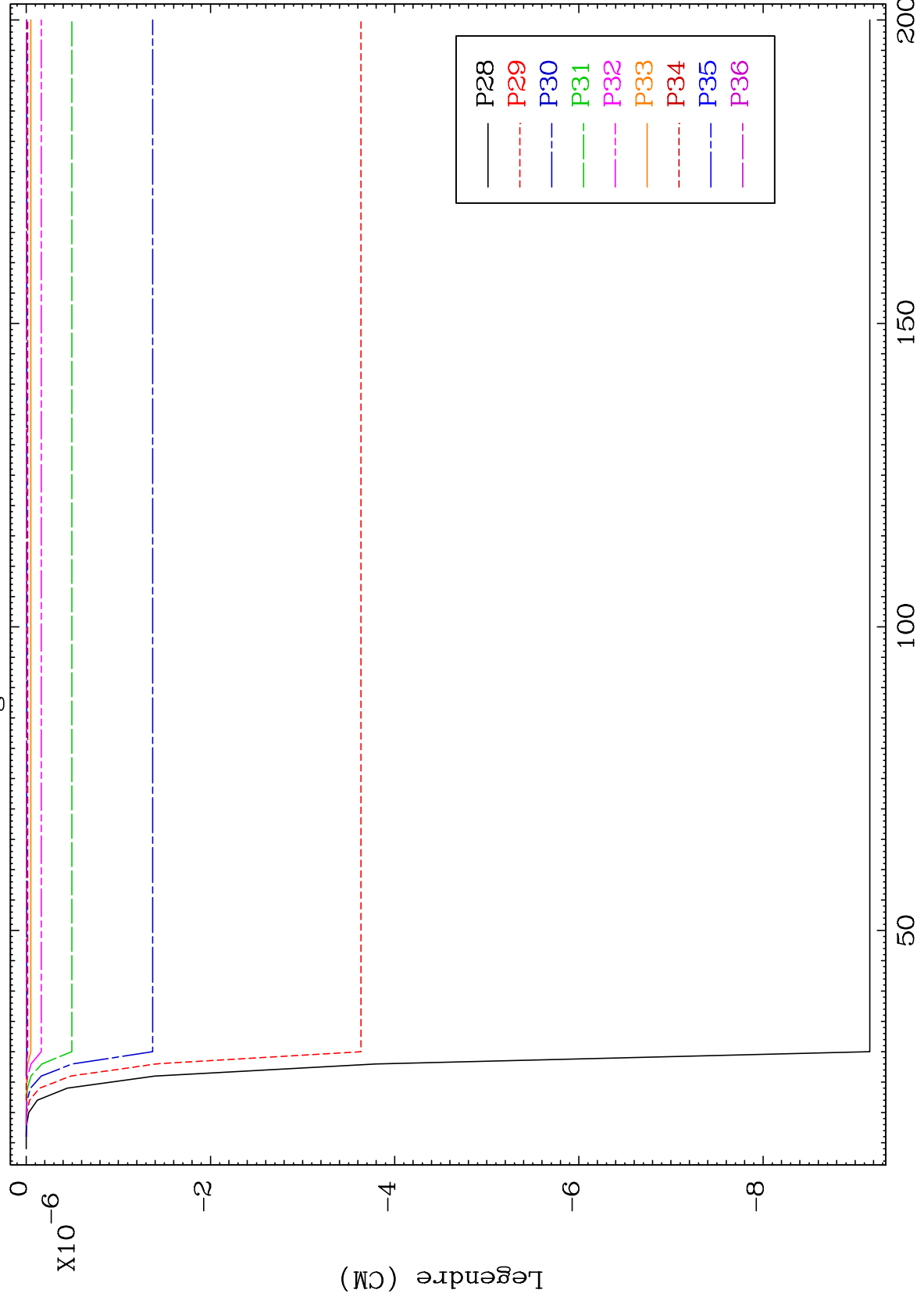
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



82-Pb-192

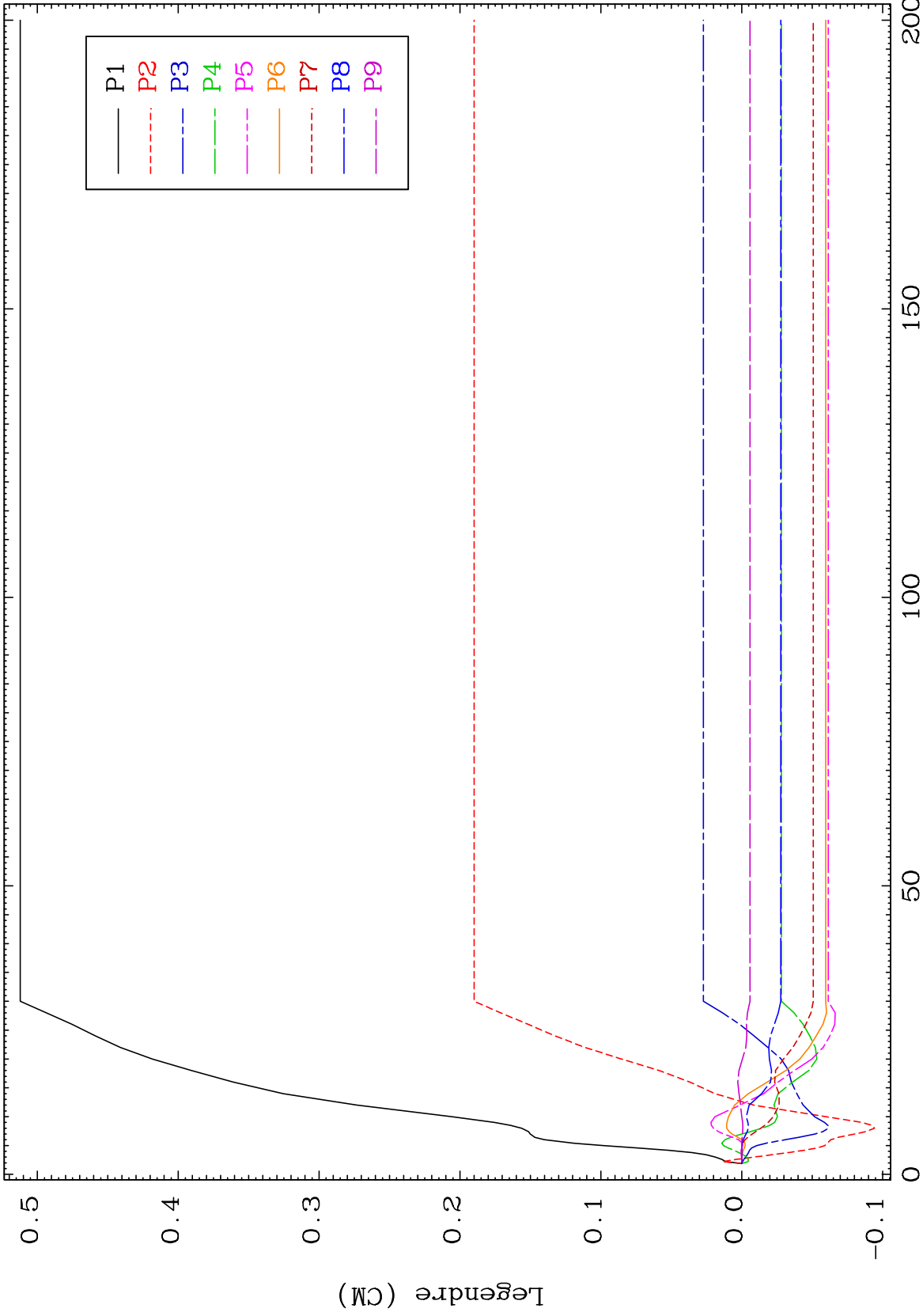
Incident Energy (MeV)

44

MAT 8189

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

82-Pb-192



45

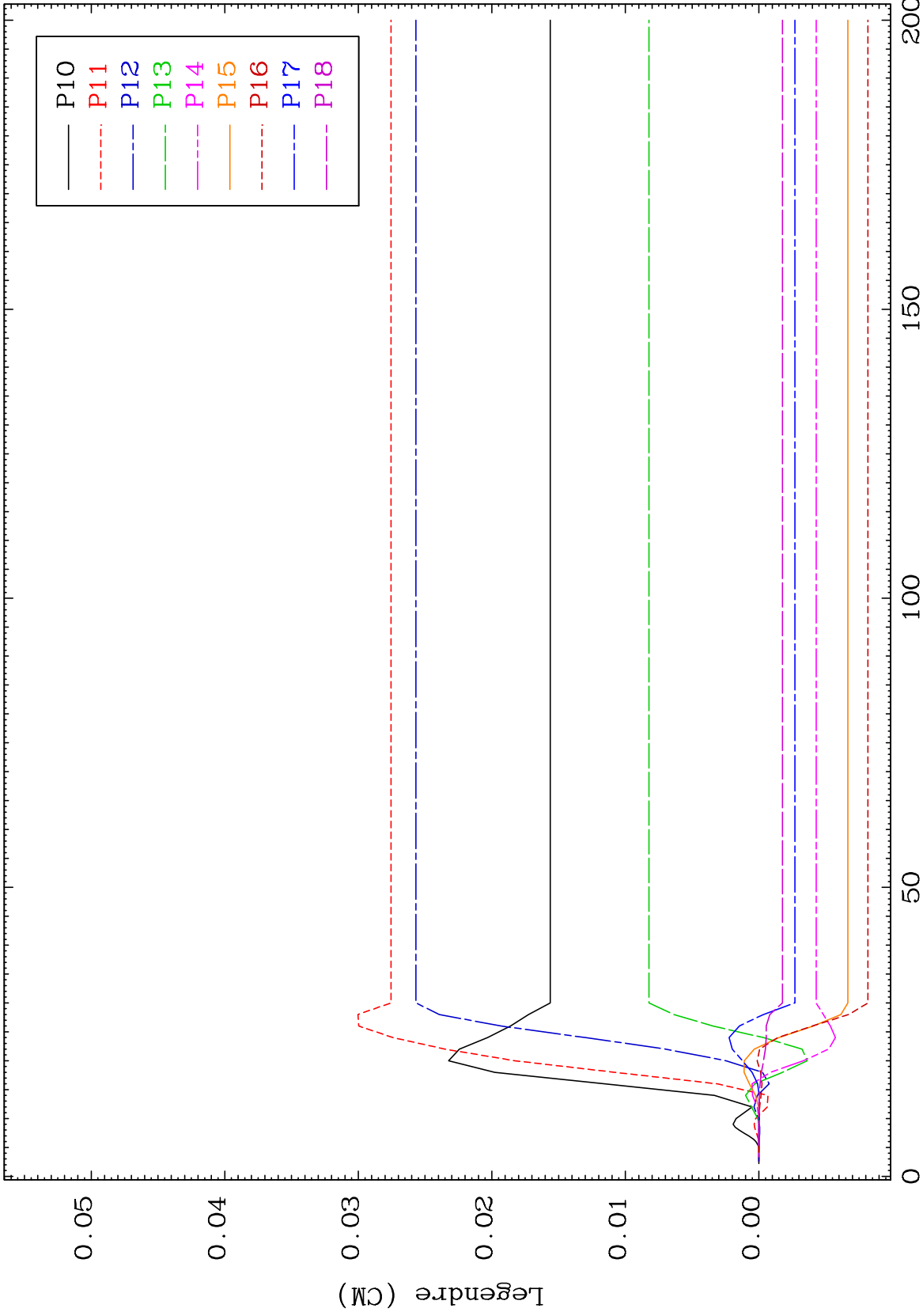
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



46

Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



47

Incident Energy (MeV)

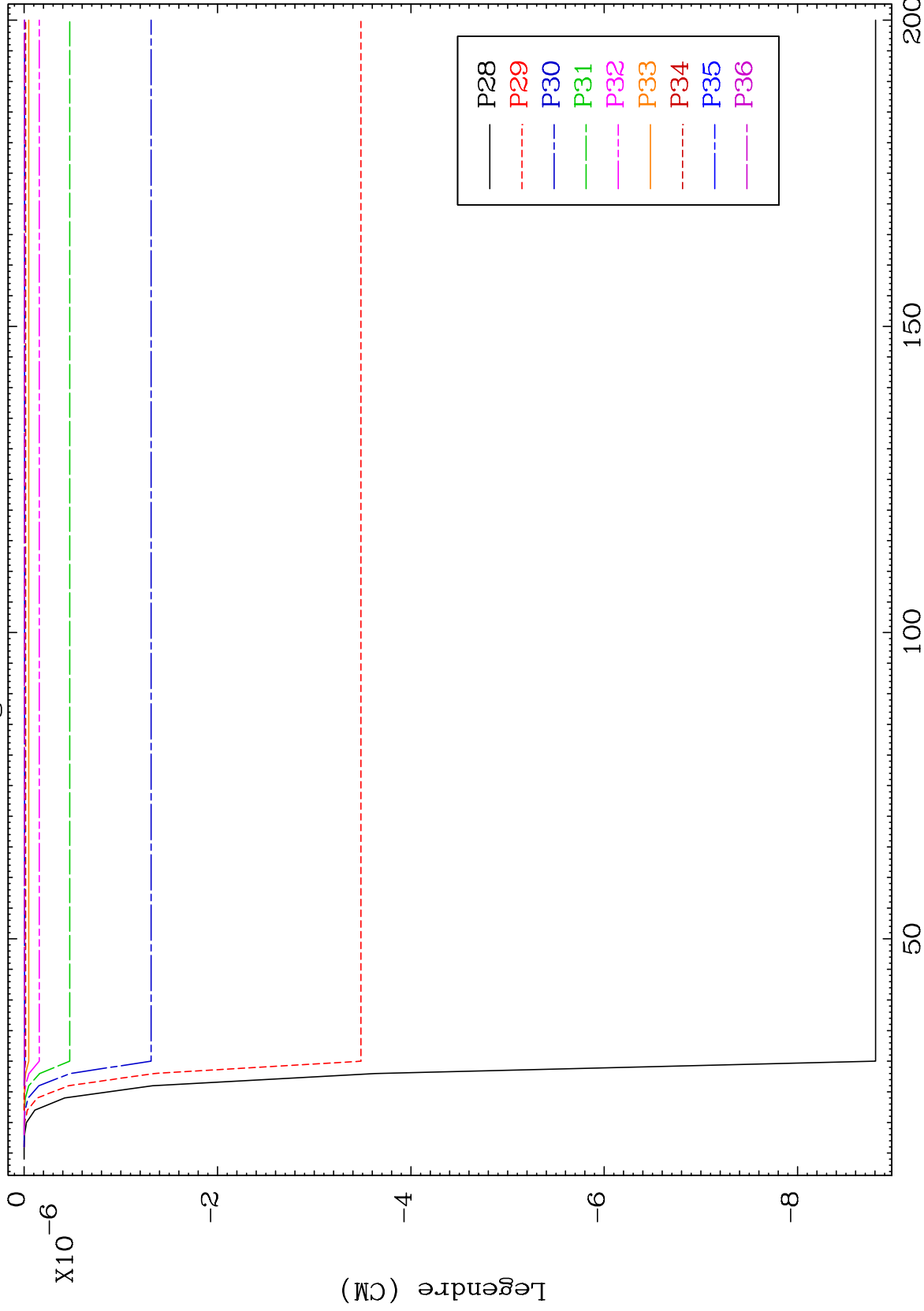
82-Pb-192



MAT 8189

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

82-Pb-192



82-Pb-192

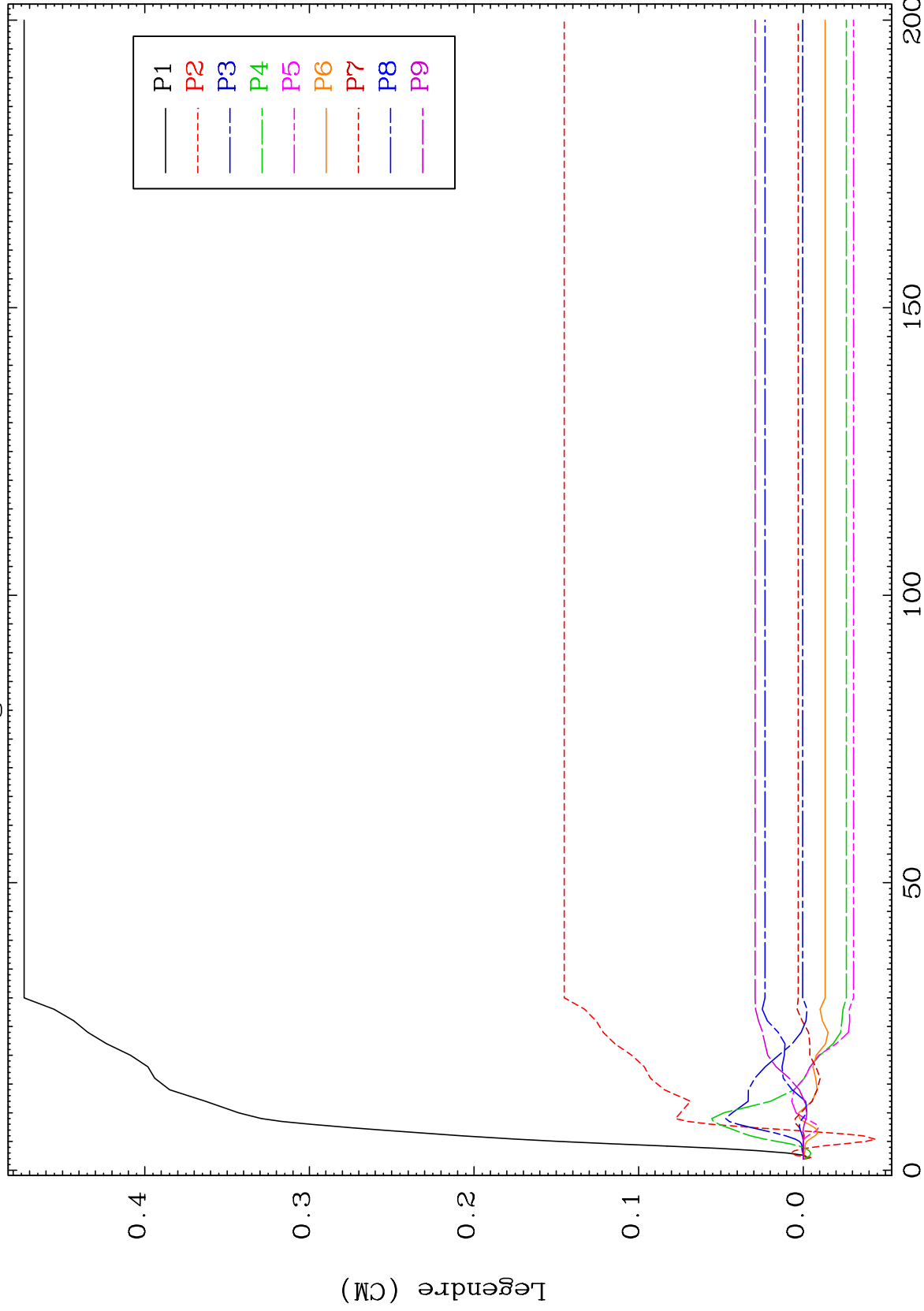
Incident Energy (MeV)

48

MAT 8189

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

82-Pb-192



49

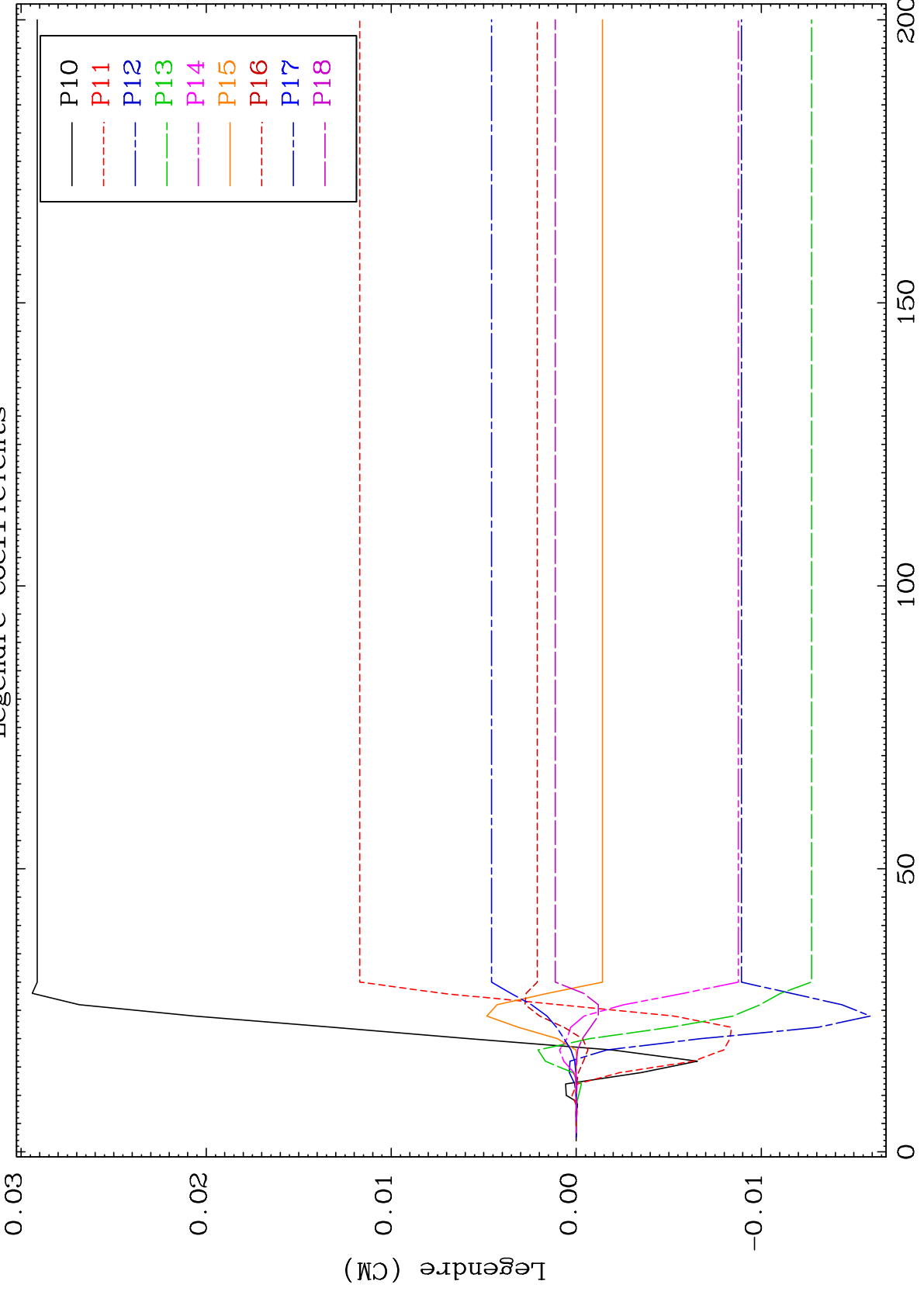
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



82-Pb-192

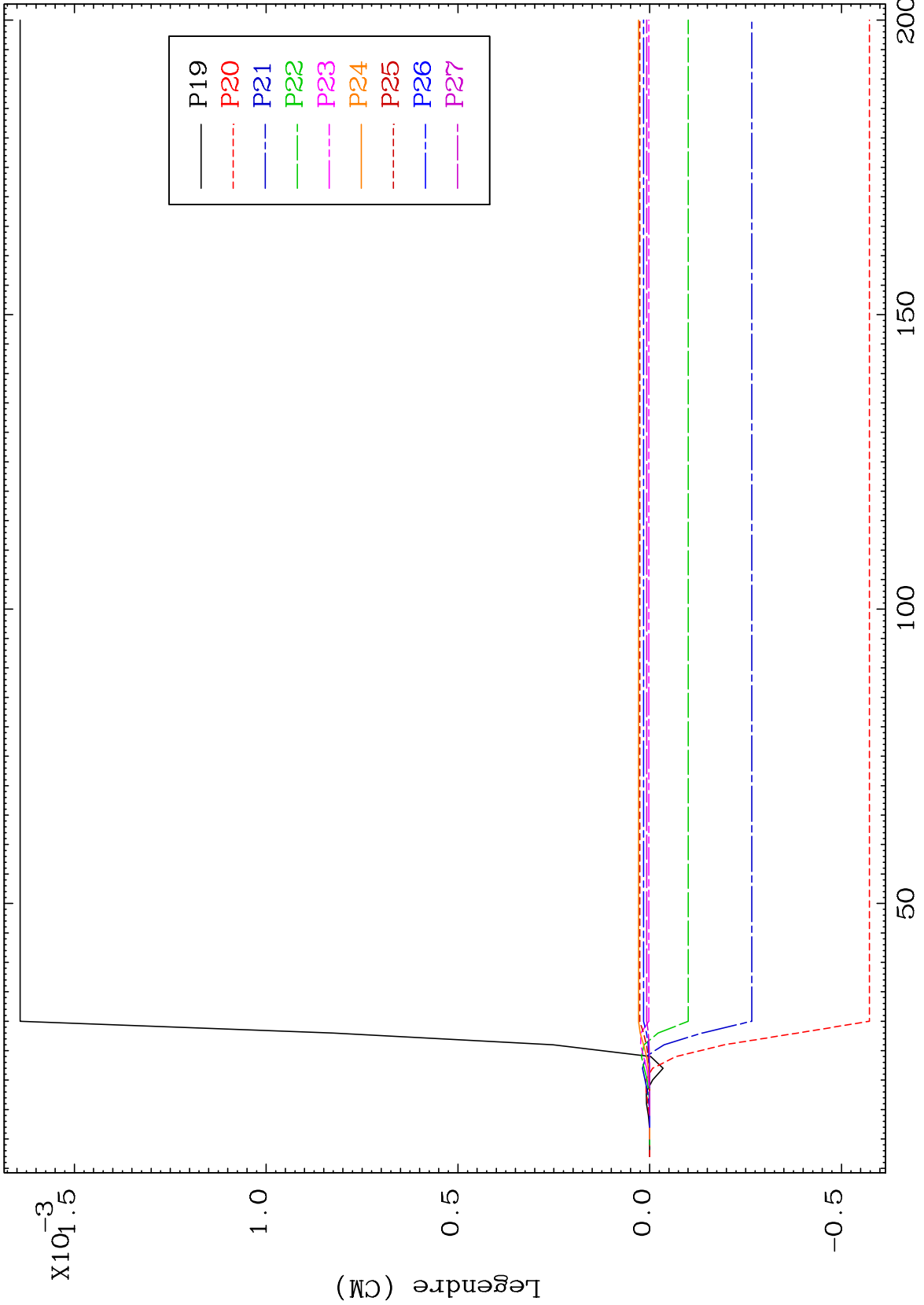
Incident Energy (MeV)

50

MAT 8189

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

82-Pb-192



51

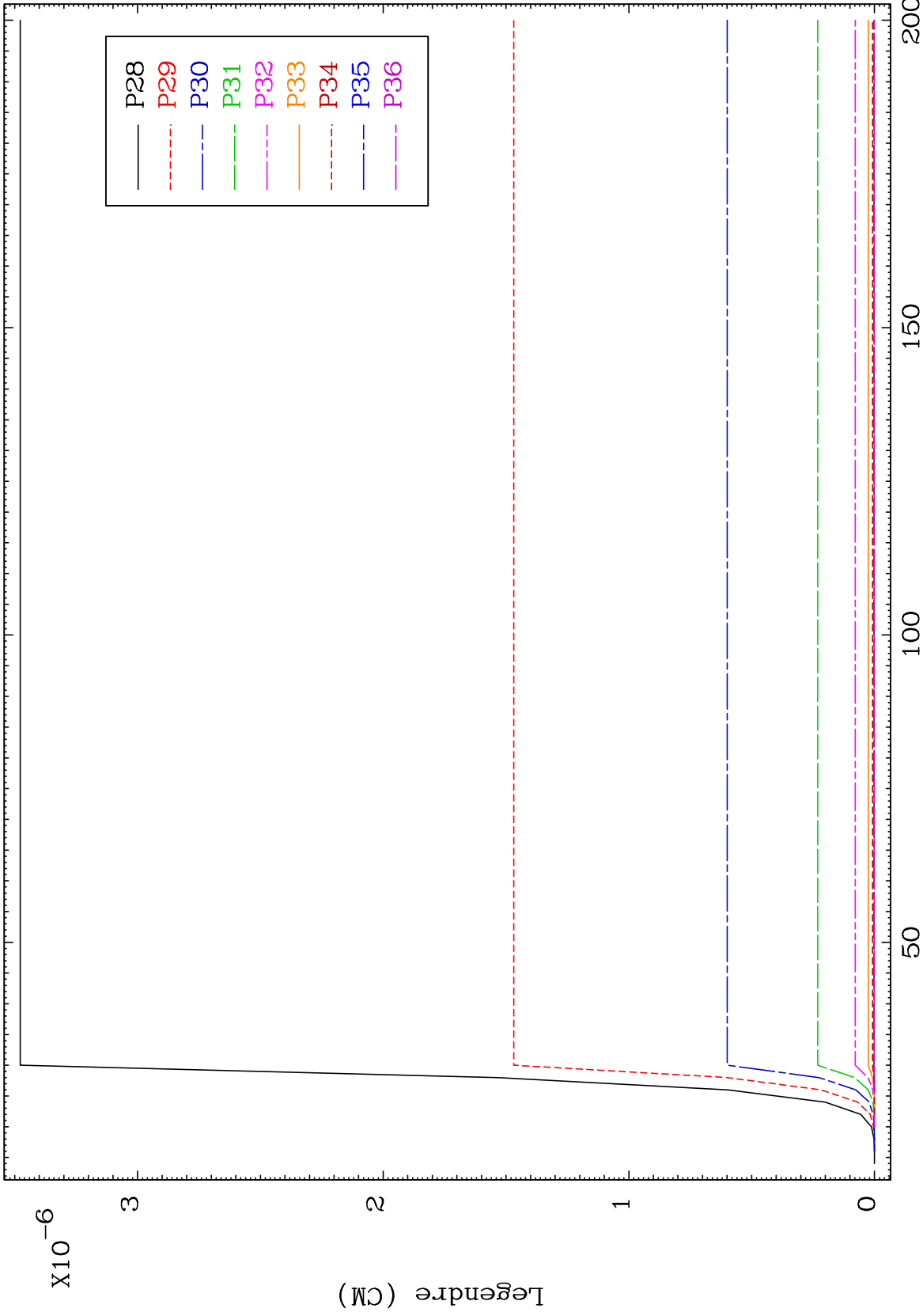
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



52

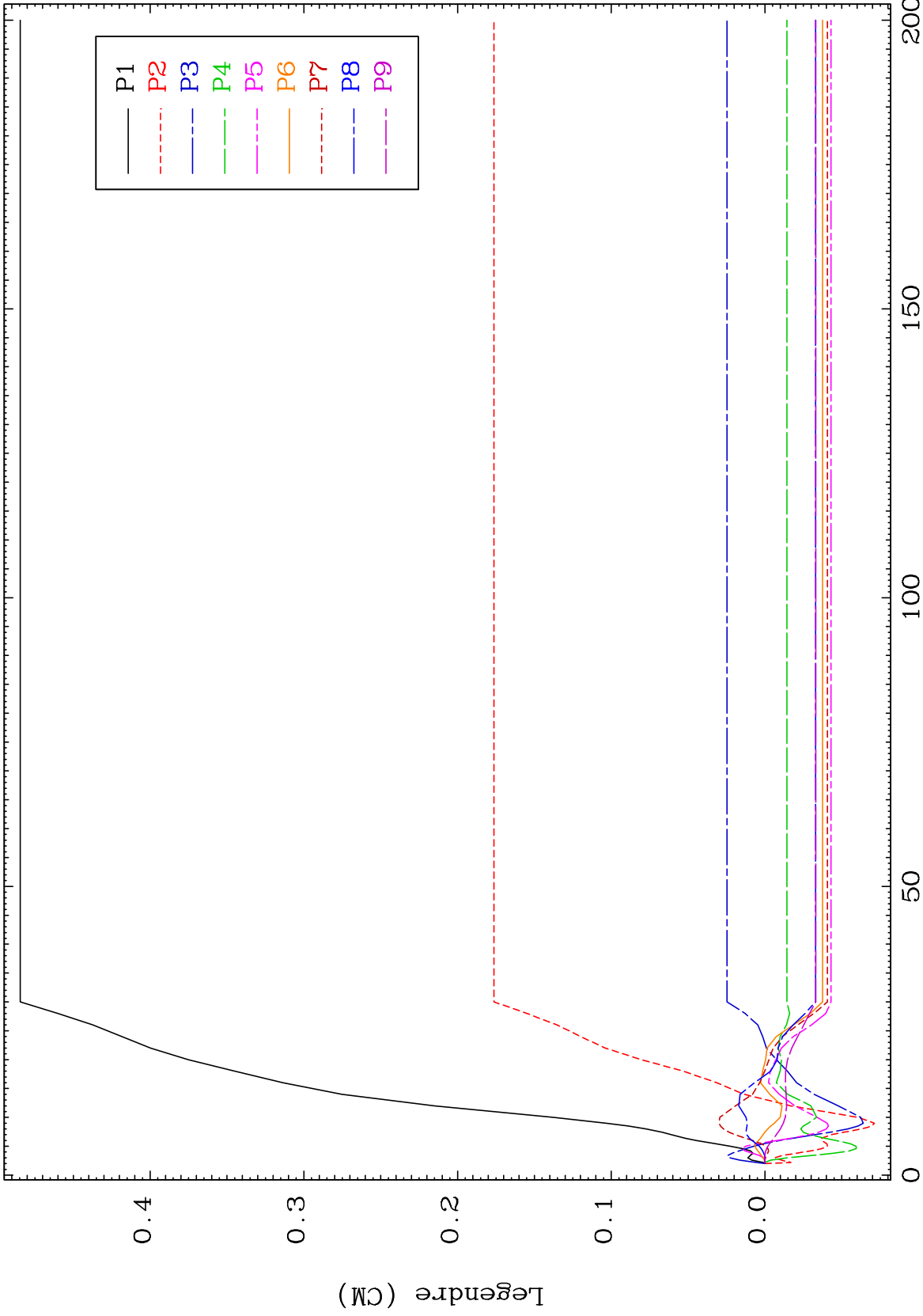
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



53

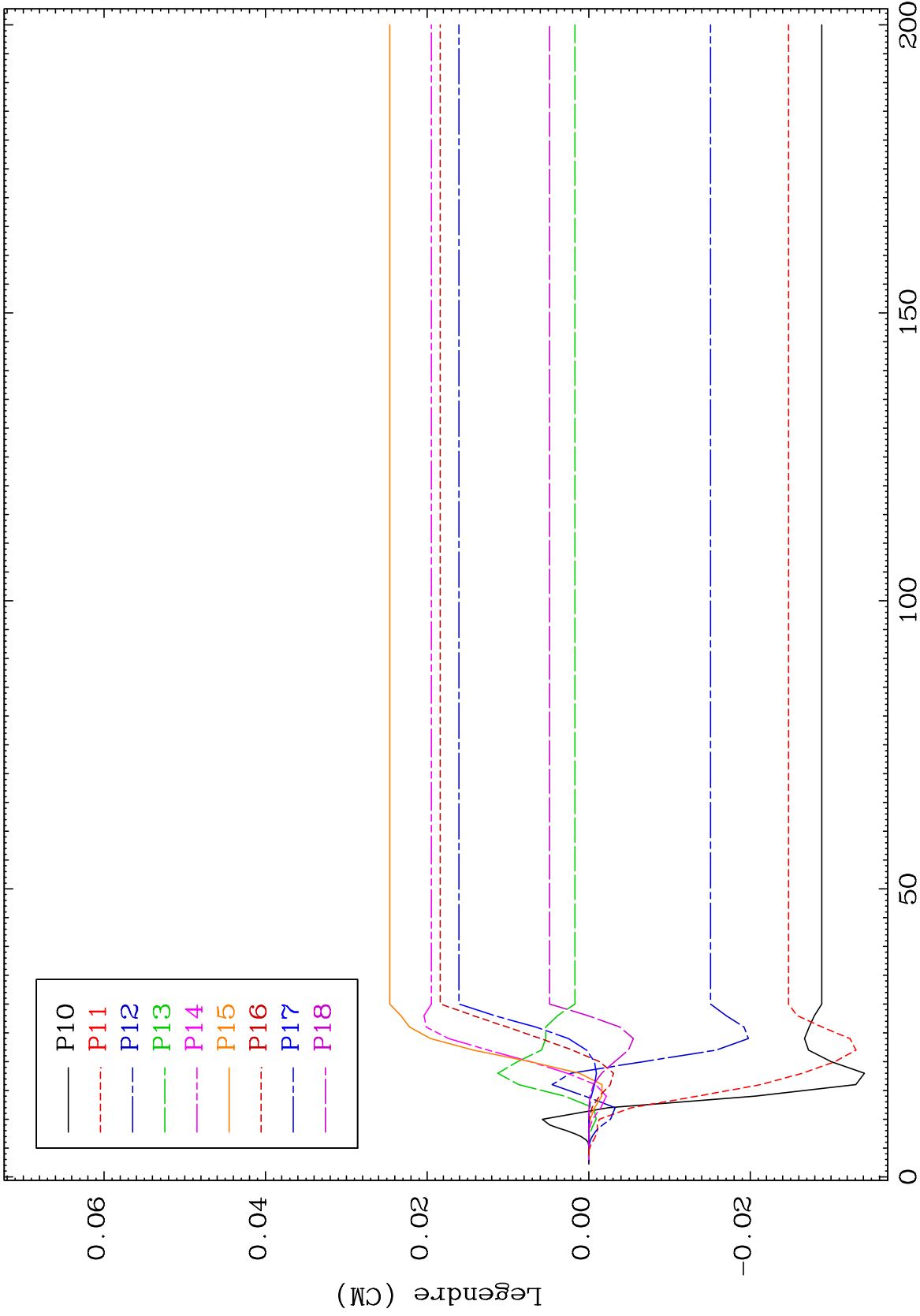
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



54

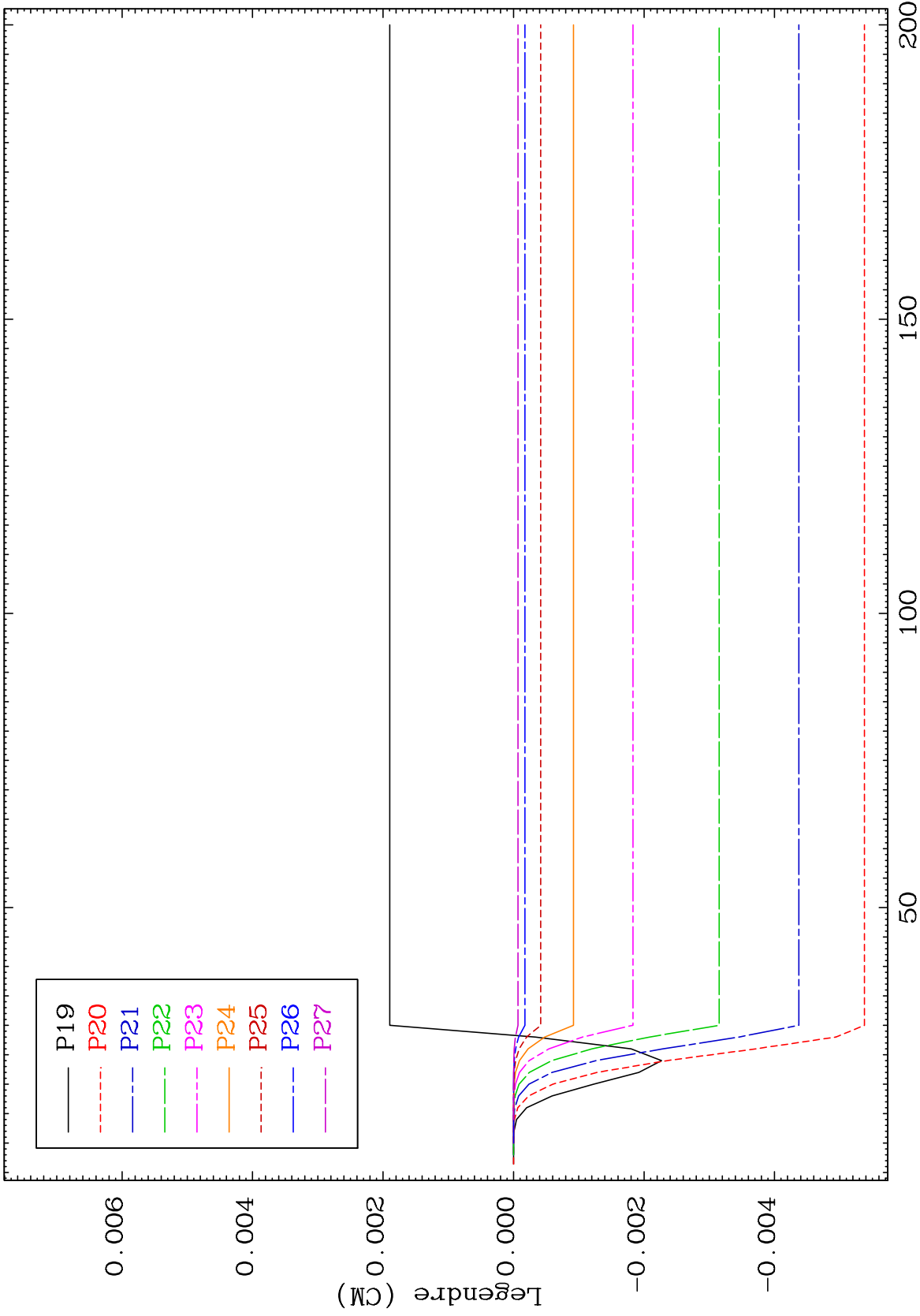
Incident Energy (MeV)

82-Pb-192

MAT 8189

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

82-Pb-192



55

Incident Energy (MeV)

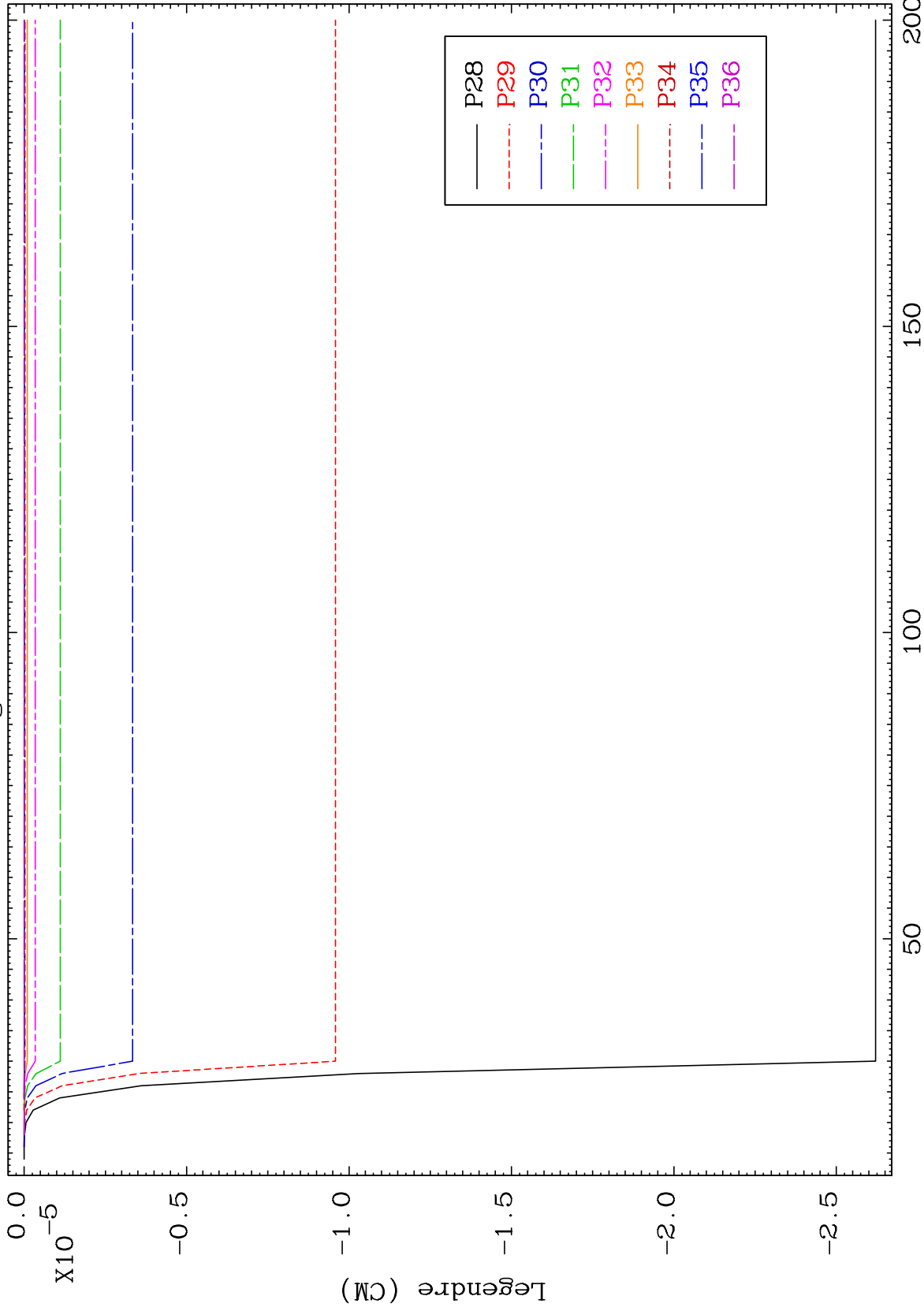
82-Pb-192



MAT 8189

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

82-Pb-192



82-Pb-192

Incident Energy (MeV)

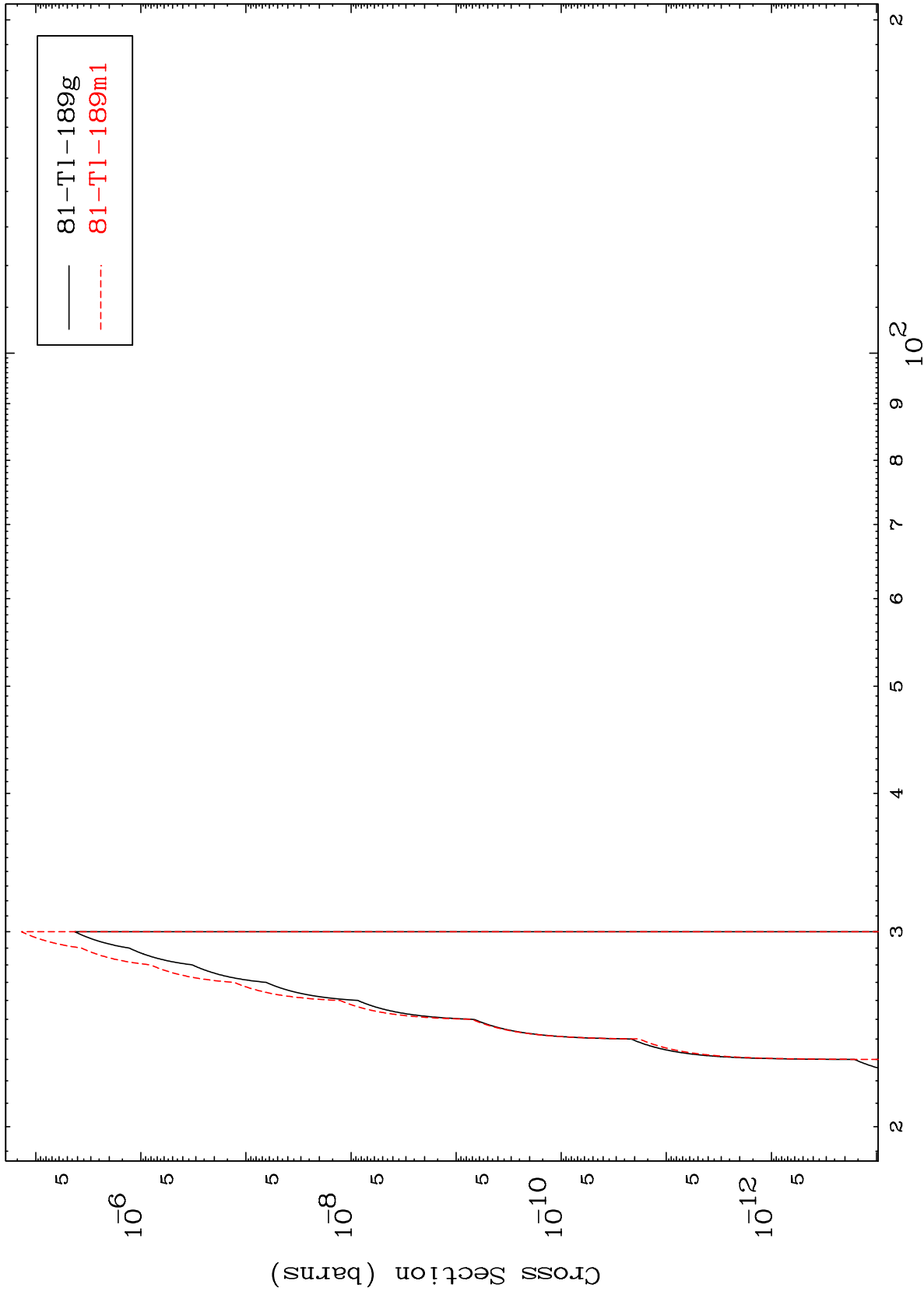
56

MAT 8189

(n,2n) d

82-Pb-192

Radionuclide Production Cross Section



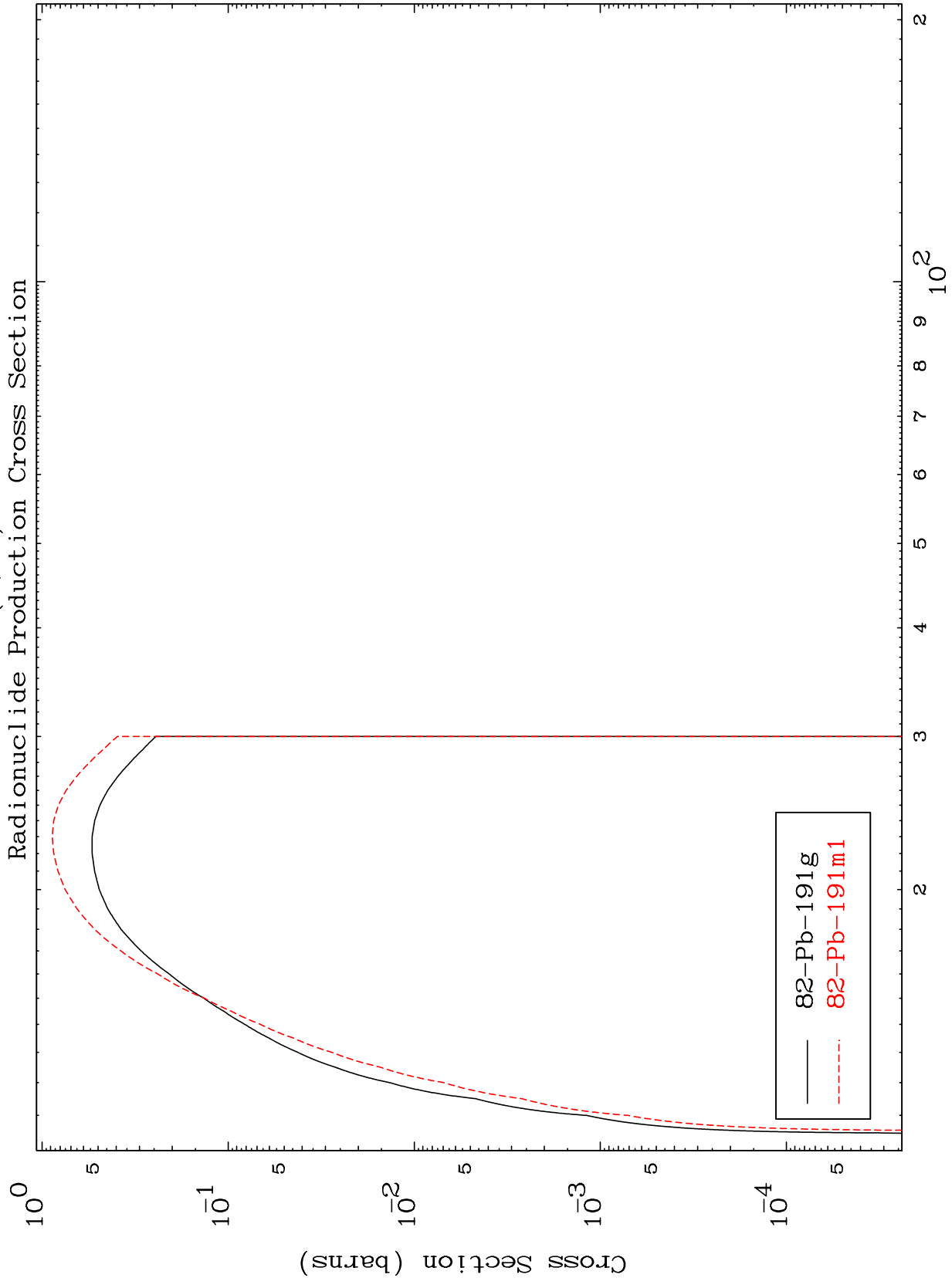
57

Incident Energy (MeV)

82-Pb-192

MAT 8189

82-Pb-192



58

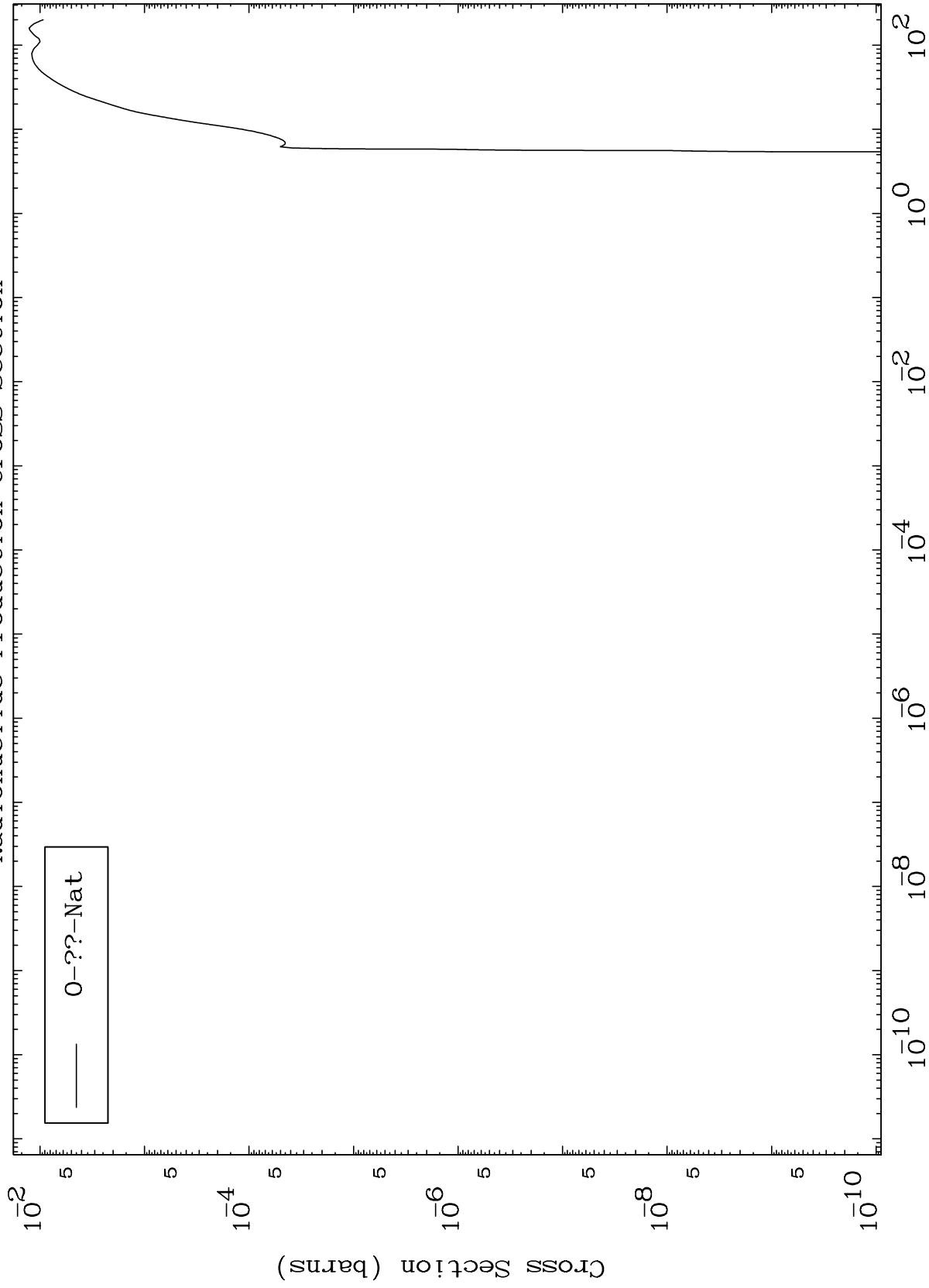
82-Pb-192

MAT 8189

Fission

82-Pb-192

Radionuclide Production Cross Section



59

Incident Energy (MeV)

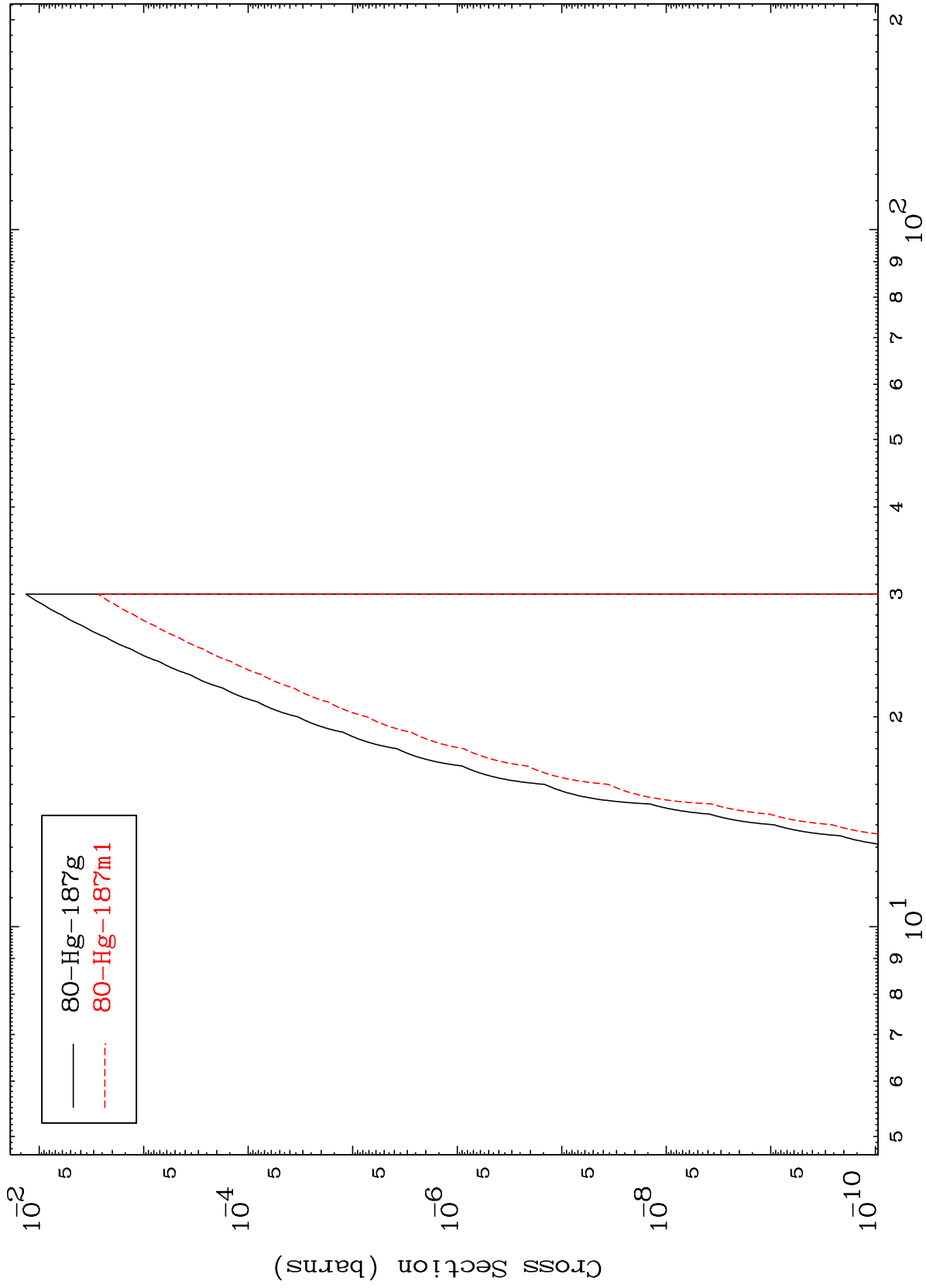
82-Pb-192

MAT 8189

(n,2n)  $\alpha$

82-Pb-192

Radionuclide Production Cross Section



80-Hg-187g  
80-Hg-187m1

60

Incident Energy (MeV)

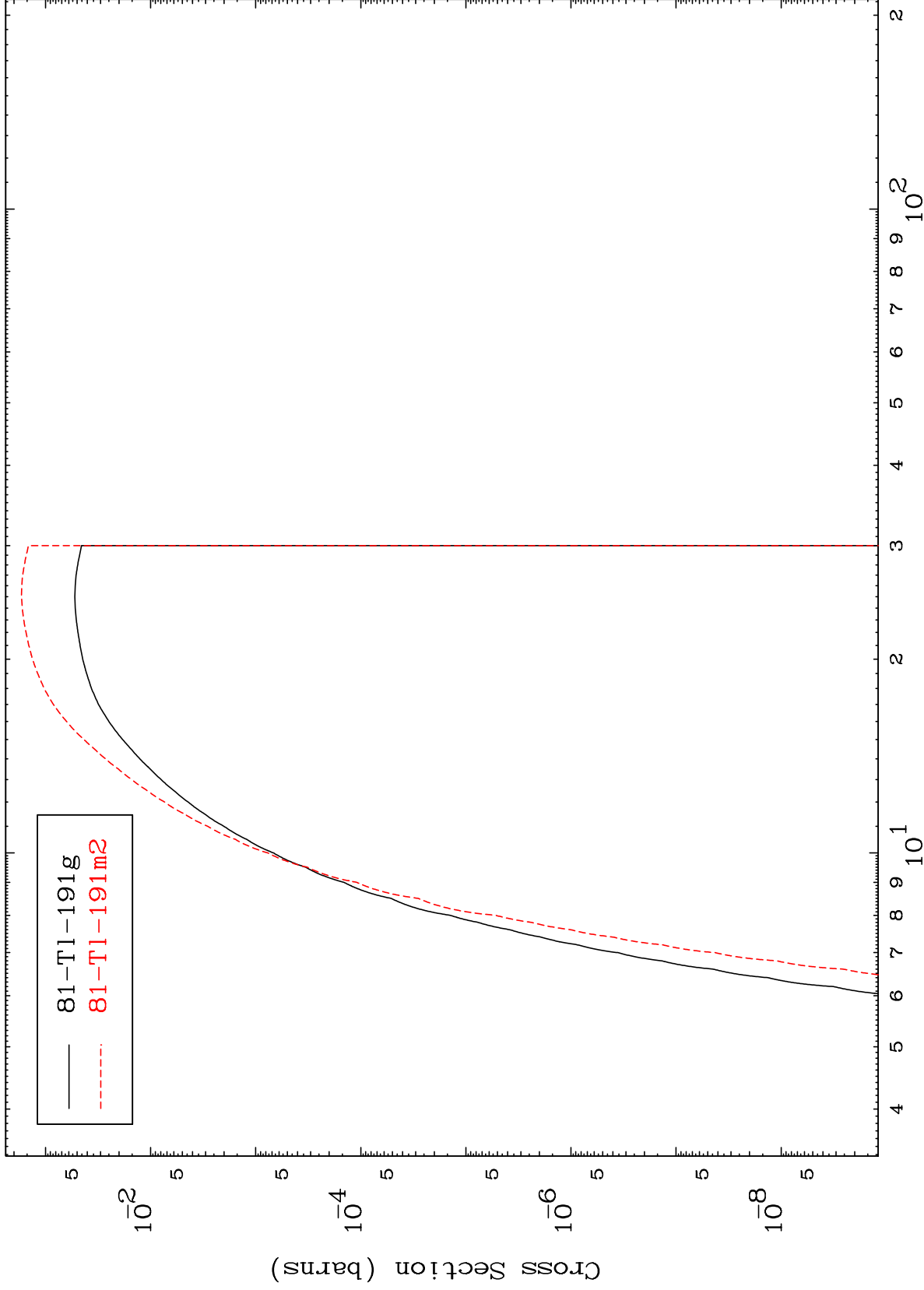
82-Pb-192

MAT 8189

(n,n') p

82-Pb-192

Radionuclide Production Cross Section



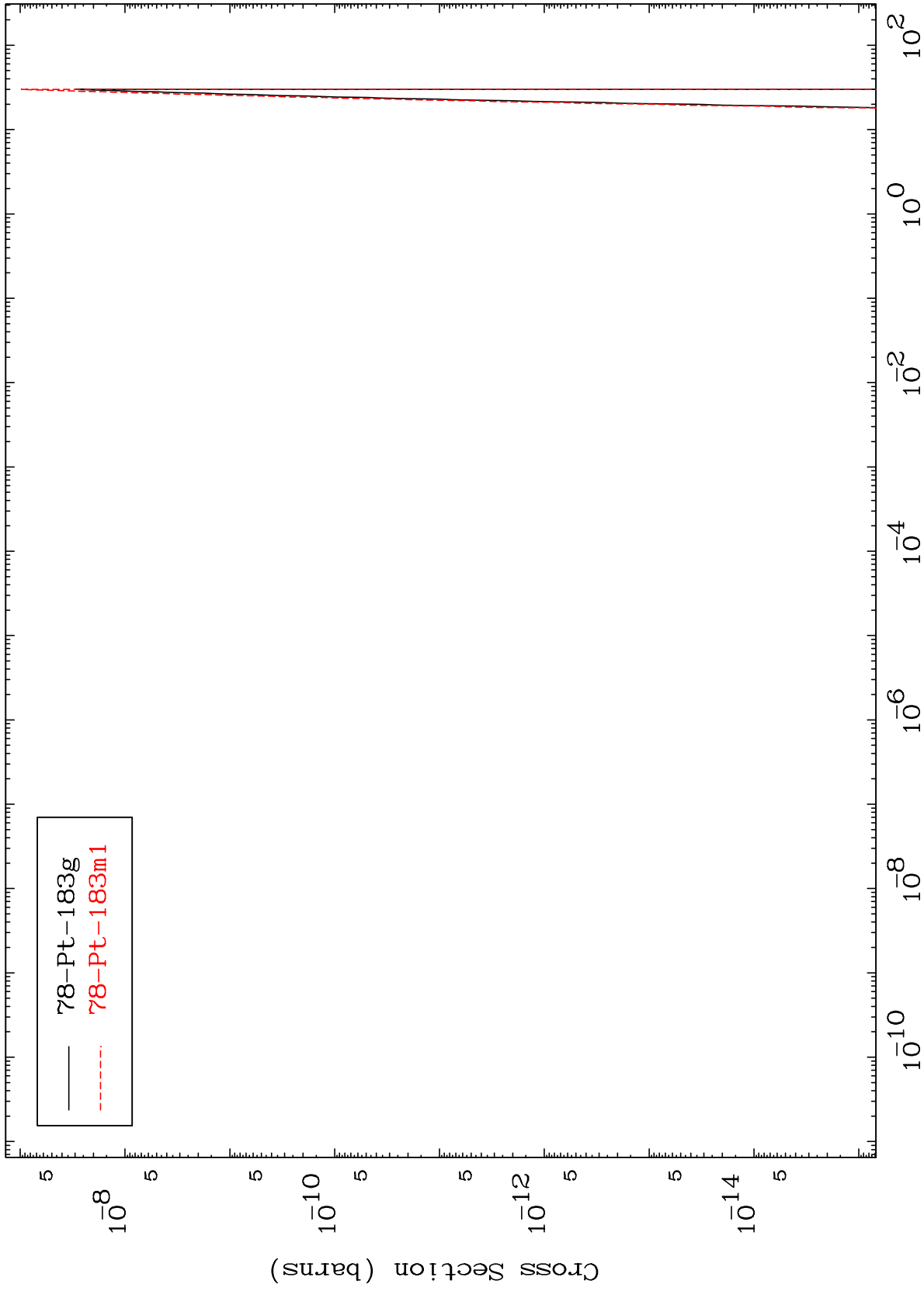
61

MAT 8189

(n,2n) 2 $\alpha$

82-Pb-192

Radionuclide Production Cross Section



62

Incident Energy (MeV)

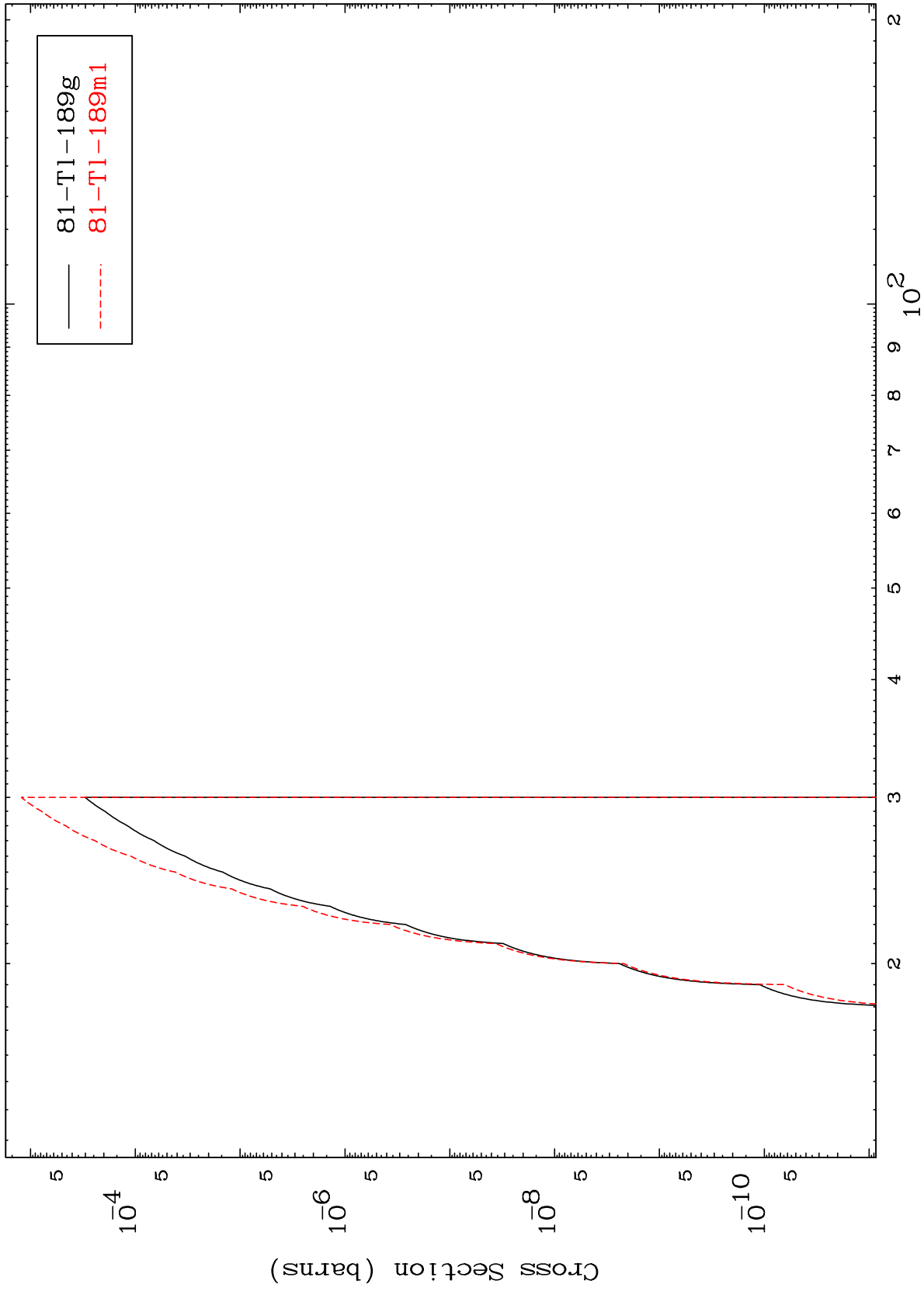
82-Pb-192

MAT 8189

(n,n') t

82-Pb-192

Radionuclide Production Cross Section



63

Incident Energy (MeV)

82-Pb-192

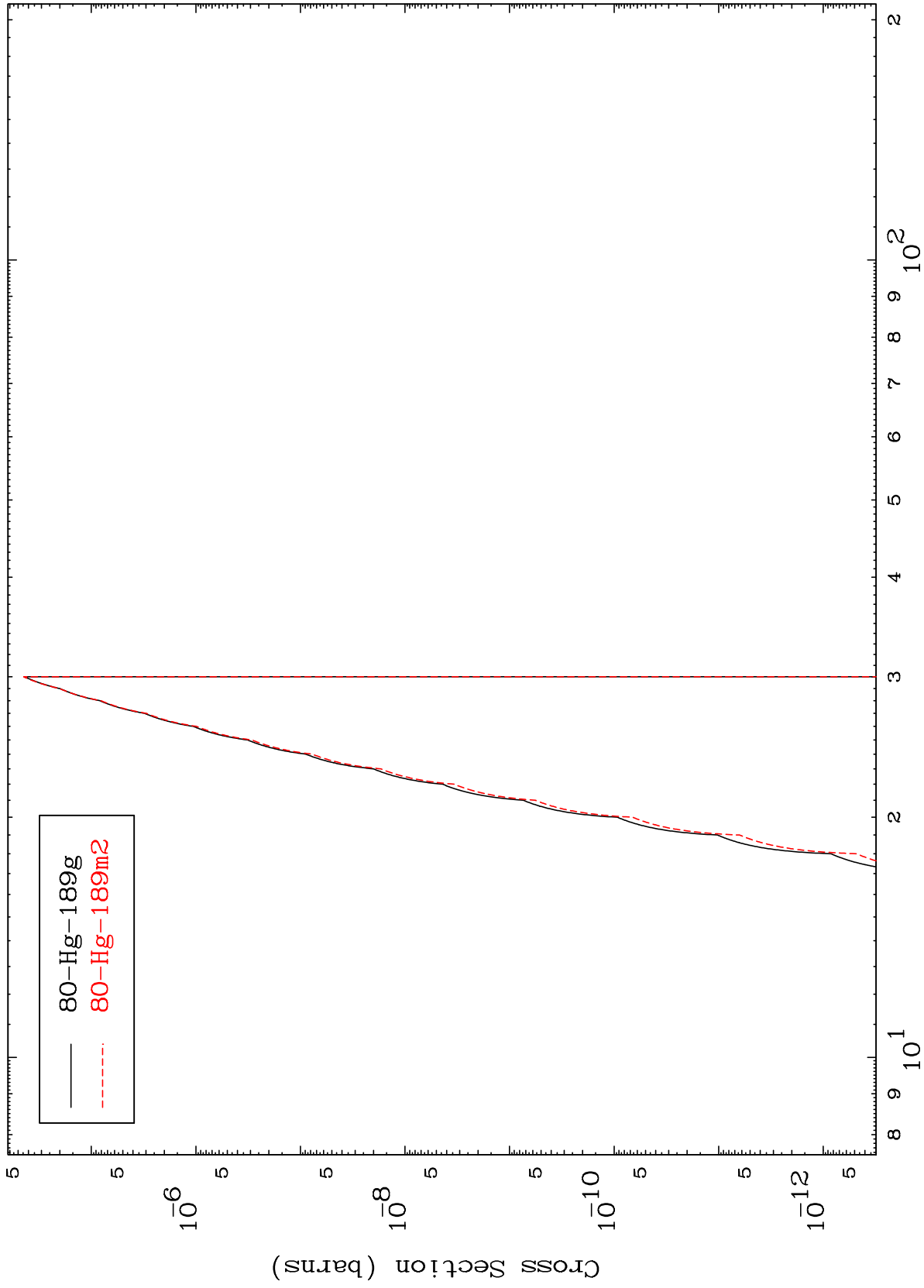


MAT 8189

(n, n') He-3

82-Pb-192

Radionuclide Production Cross Section



64

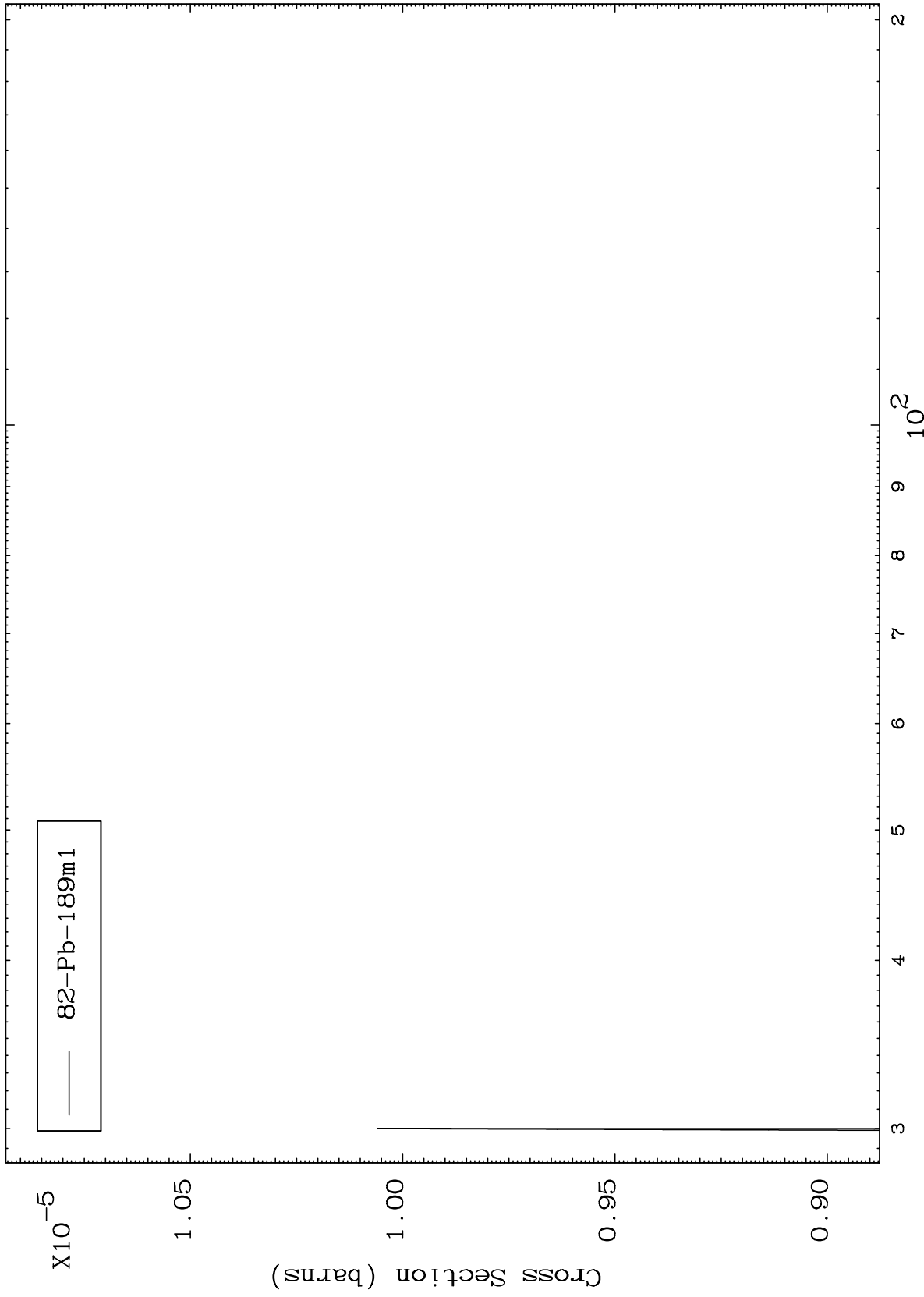
Incident Energy (MeV)

82-Pb-192

MAT 8189

82-Pb-192

(n,4n)  
Radionuclide Production Cross Section



65

82-Pb-192

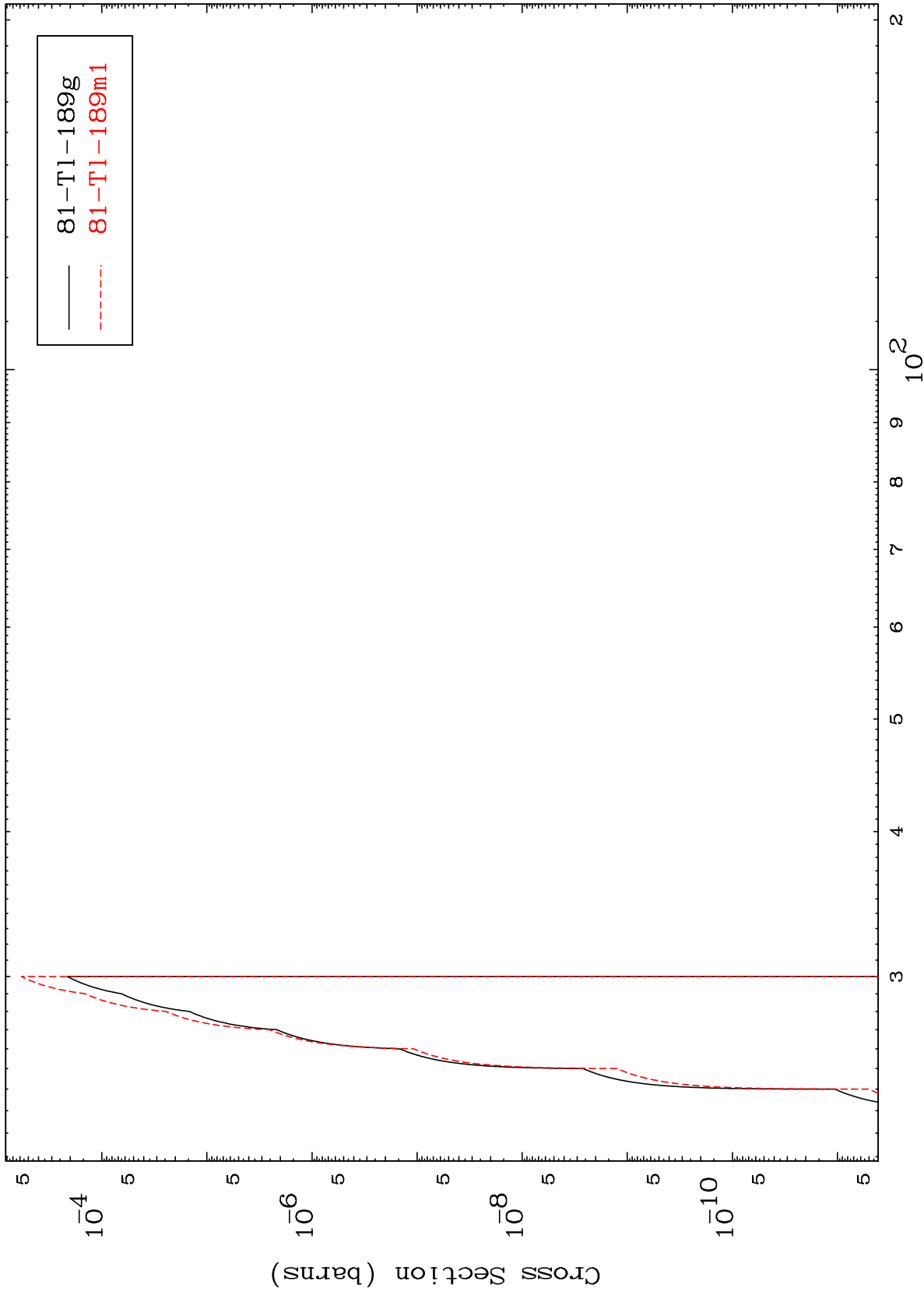
Incident Energy (MeV)

MAT 8189

(n,3n) p

82-Pb-192

Radionuclide Production Cross Section



66

Incident Energy (MeV)

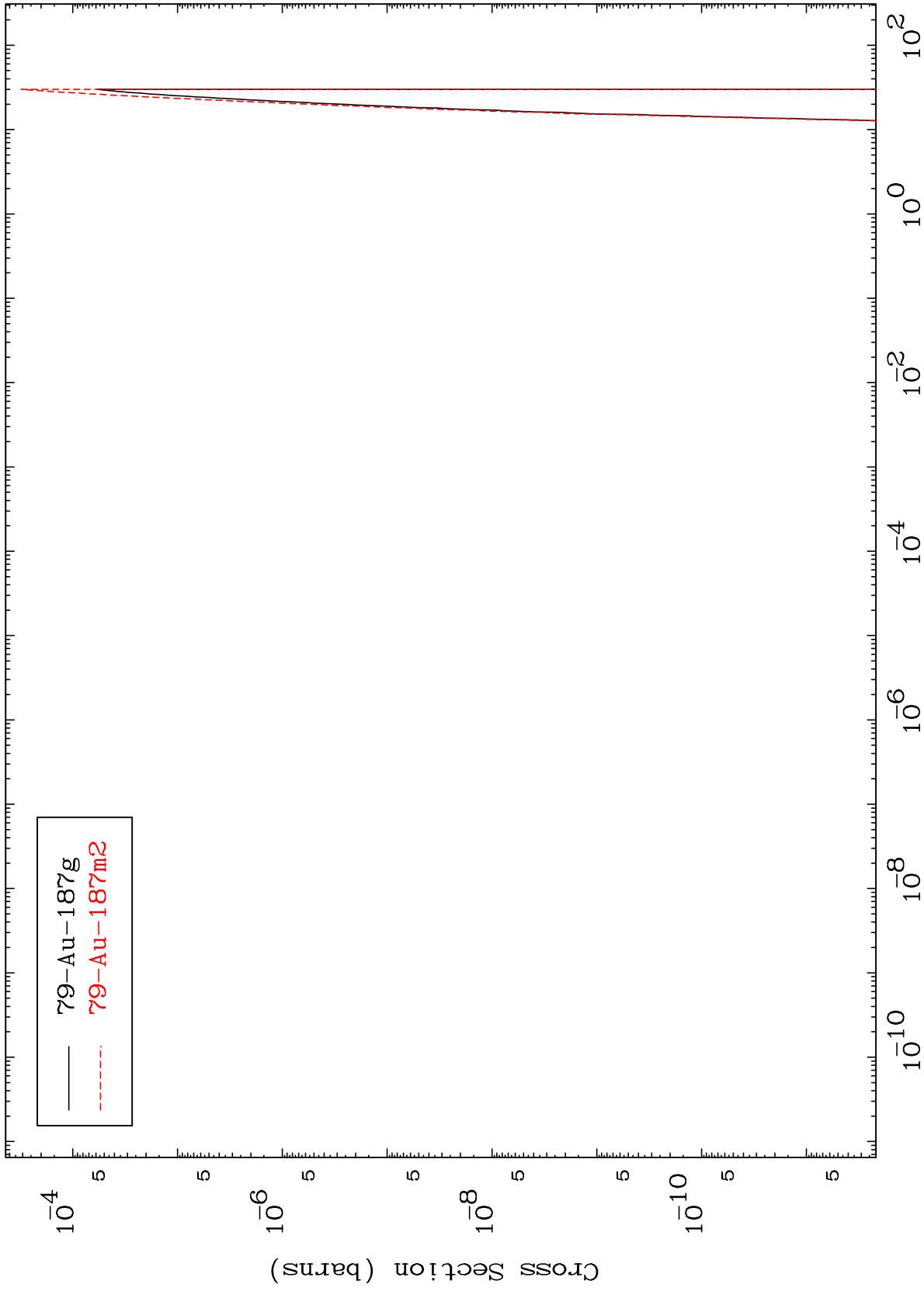
82-Pb-192

MAT 8189

(n,n') p  $\alpha$

82-Pb-192

Radionuclide Production Cross Section



67

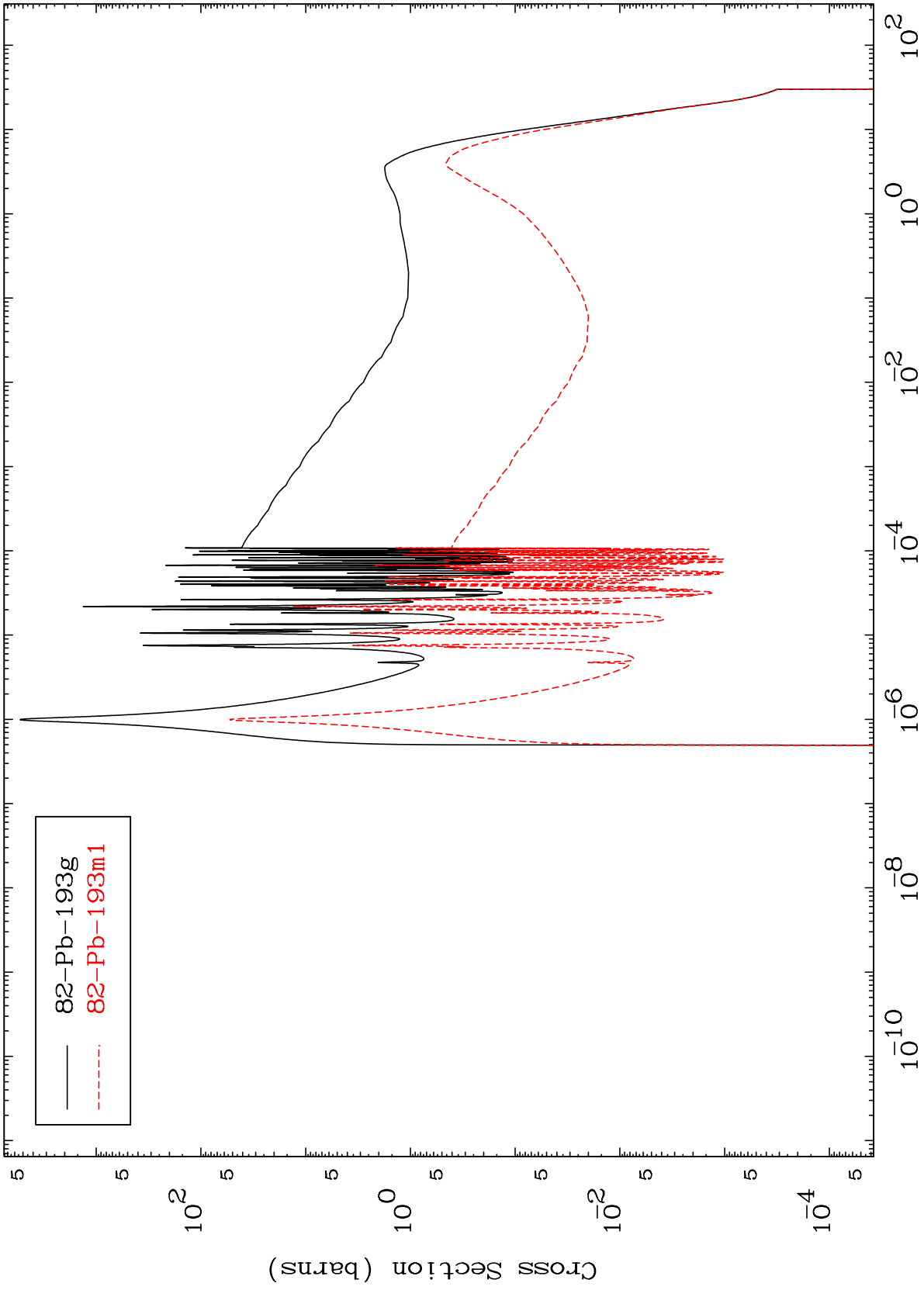
Incident Energy (MeV)

82-Pb-192

MAT 8189

82-Pb-192

(n,γ)  
Radionuclide Production Cross Section



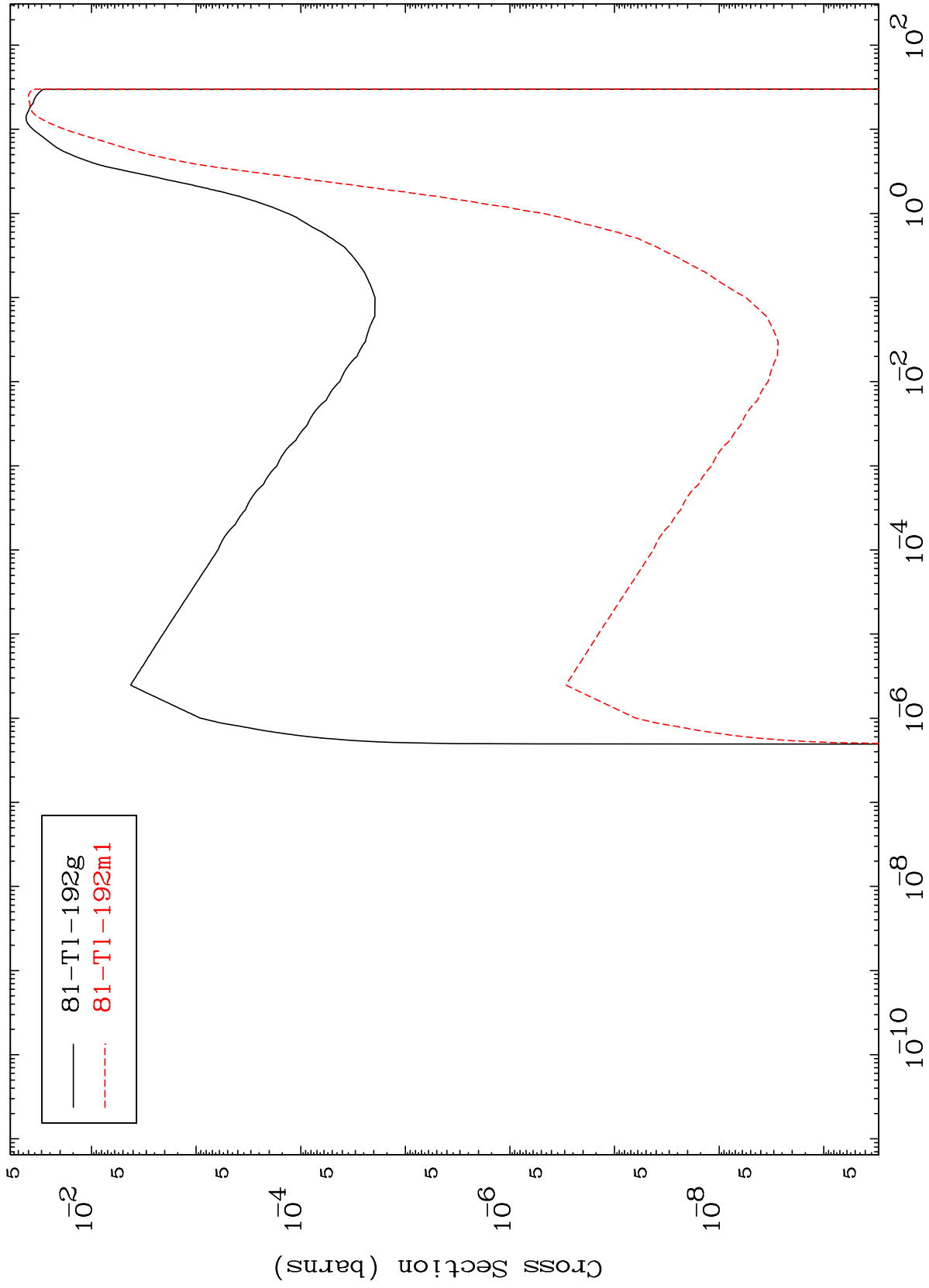
68

82-Pb-192

MAT 8189

(n,p)  
Radionuclide Production Cross Section

82-Pb-192



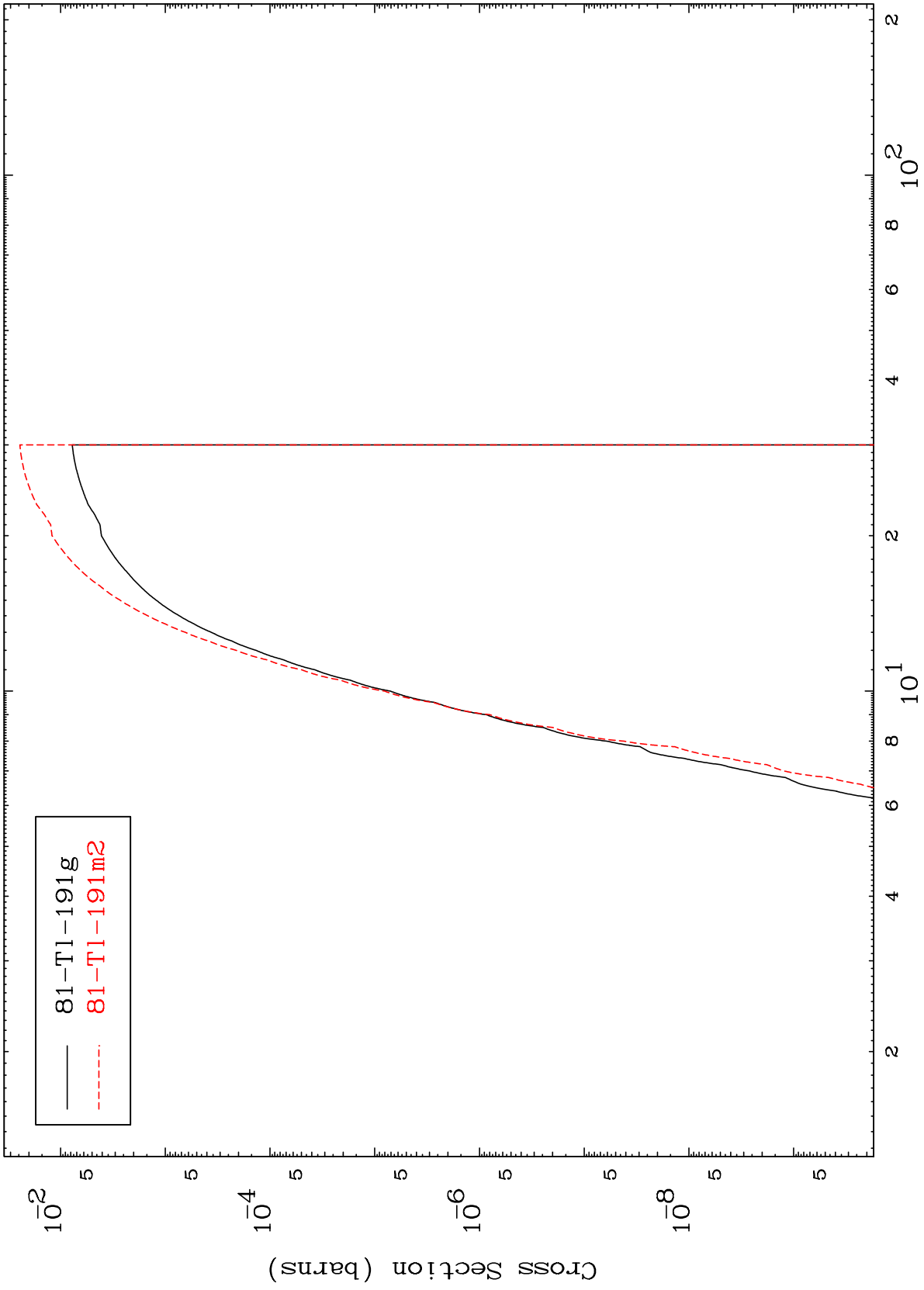
69

82-Pb-192

MAT 8189

(n,d)  
Radionuclide Production Cross Section

82-Pb-192



70

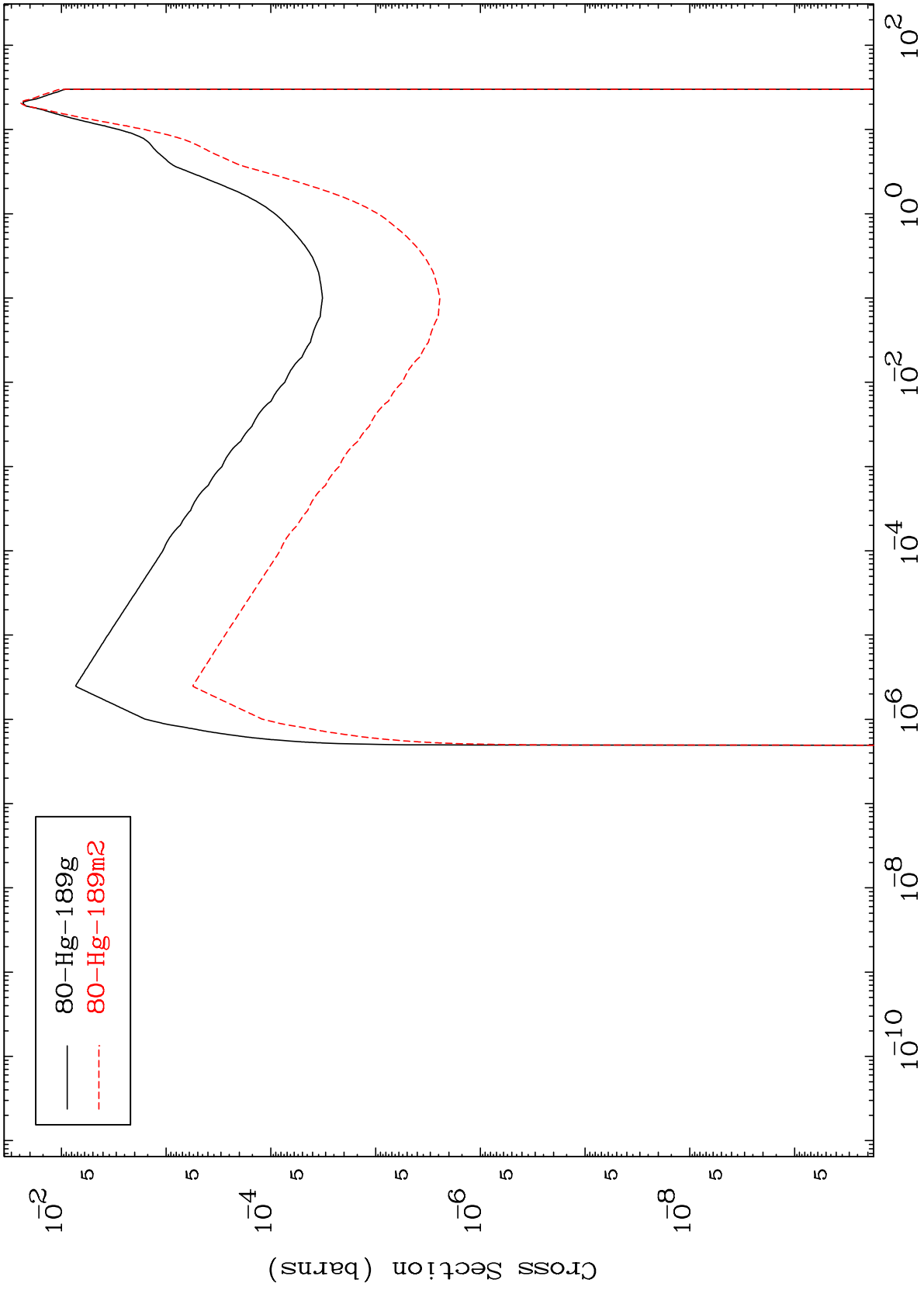
Incident Energy (MeV)

82-Pb-192

MAT 8189

Radionuclide Production Cross Section  
(n,  $\alpha$ )

82-Pb-192



71

82-Pb-192

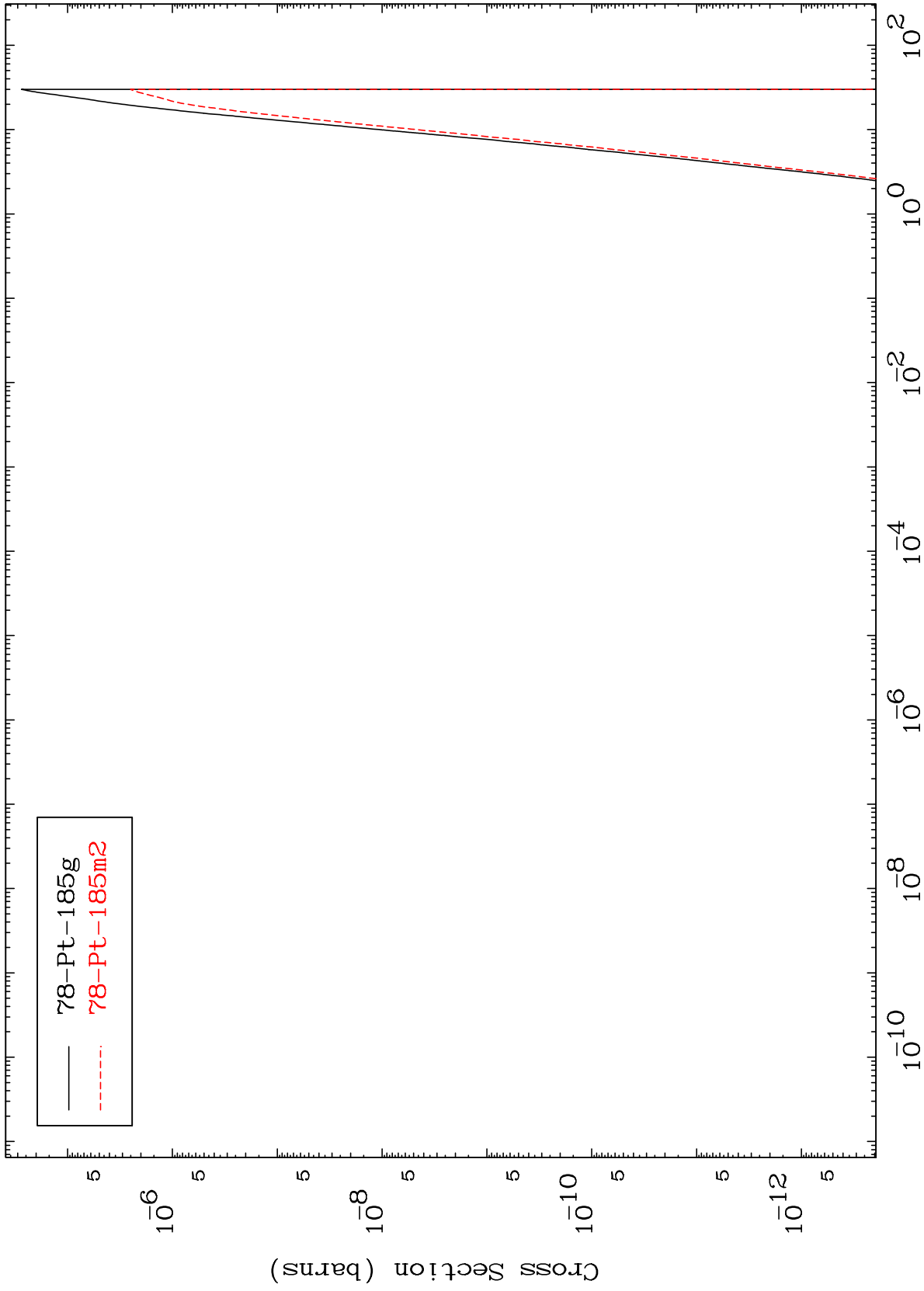


MAT 8189

(n,2α)

82-Pb-192

Radionuclide Production Cross Section



72

Incident Energy (MeV)

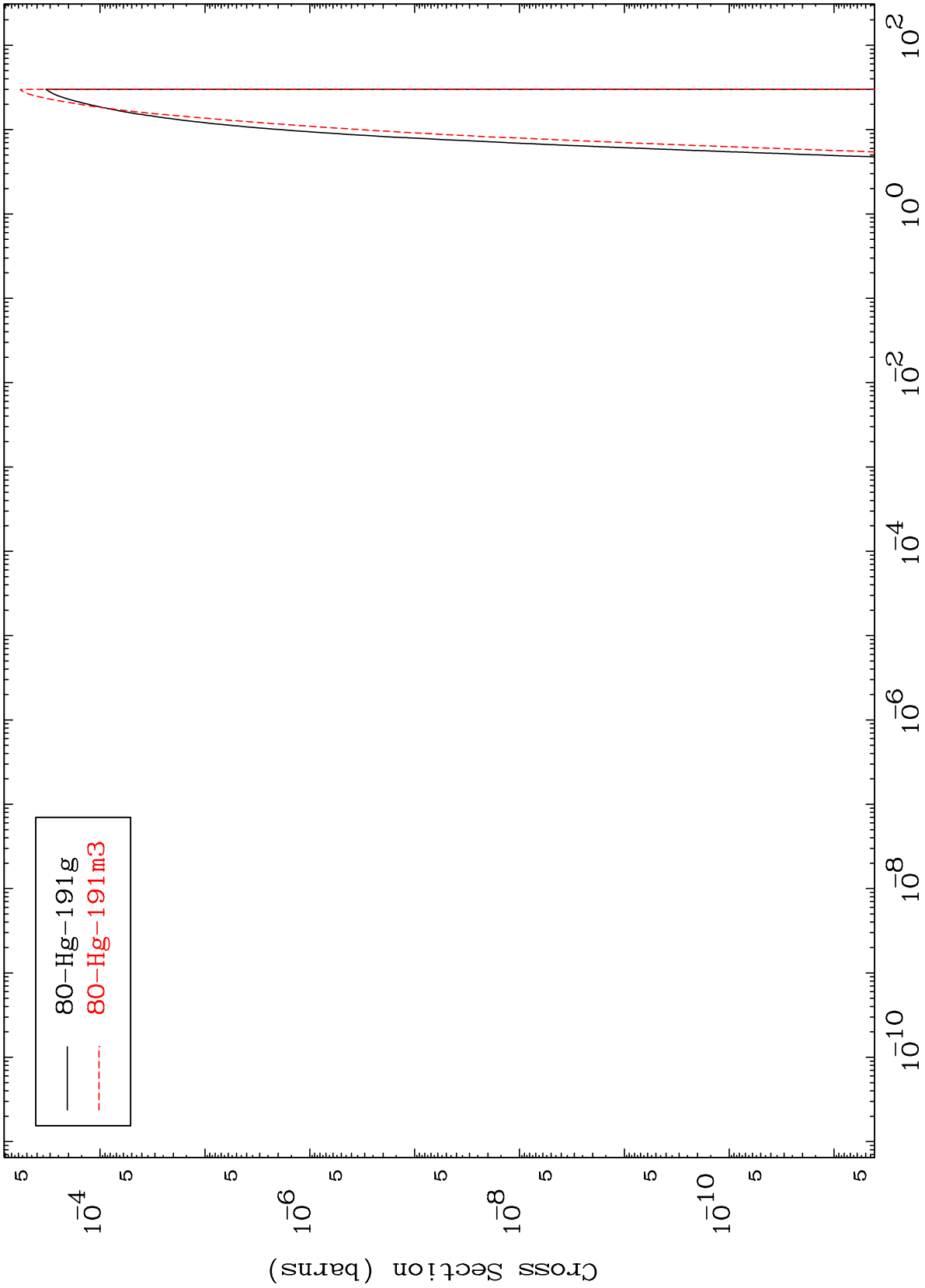
82-Pb-192

MAT 8189

(n,2p)

82-Pb-192

Radionuclide Production Cross Section



80-Hg-191 g  
80-Hg-191 m3

73

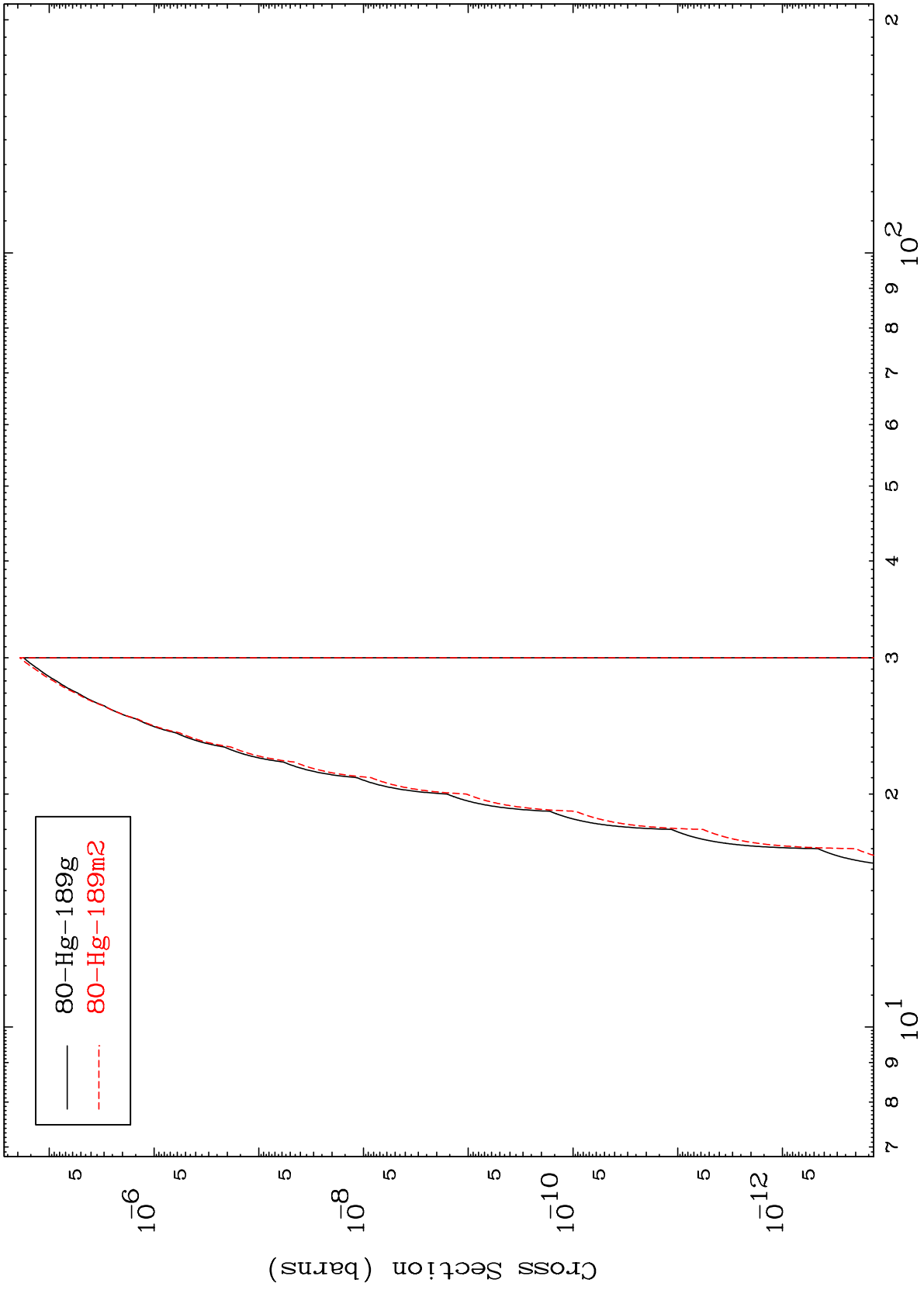
82-Pb-192

MAT 8189

(n,p) t

82-Pb-192

Radionuclide Production Cross Section



74

Incident Energy (MeV)

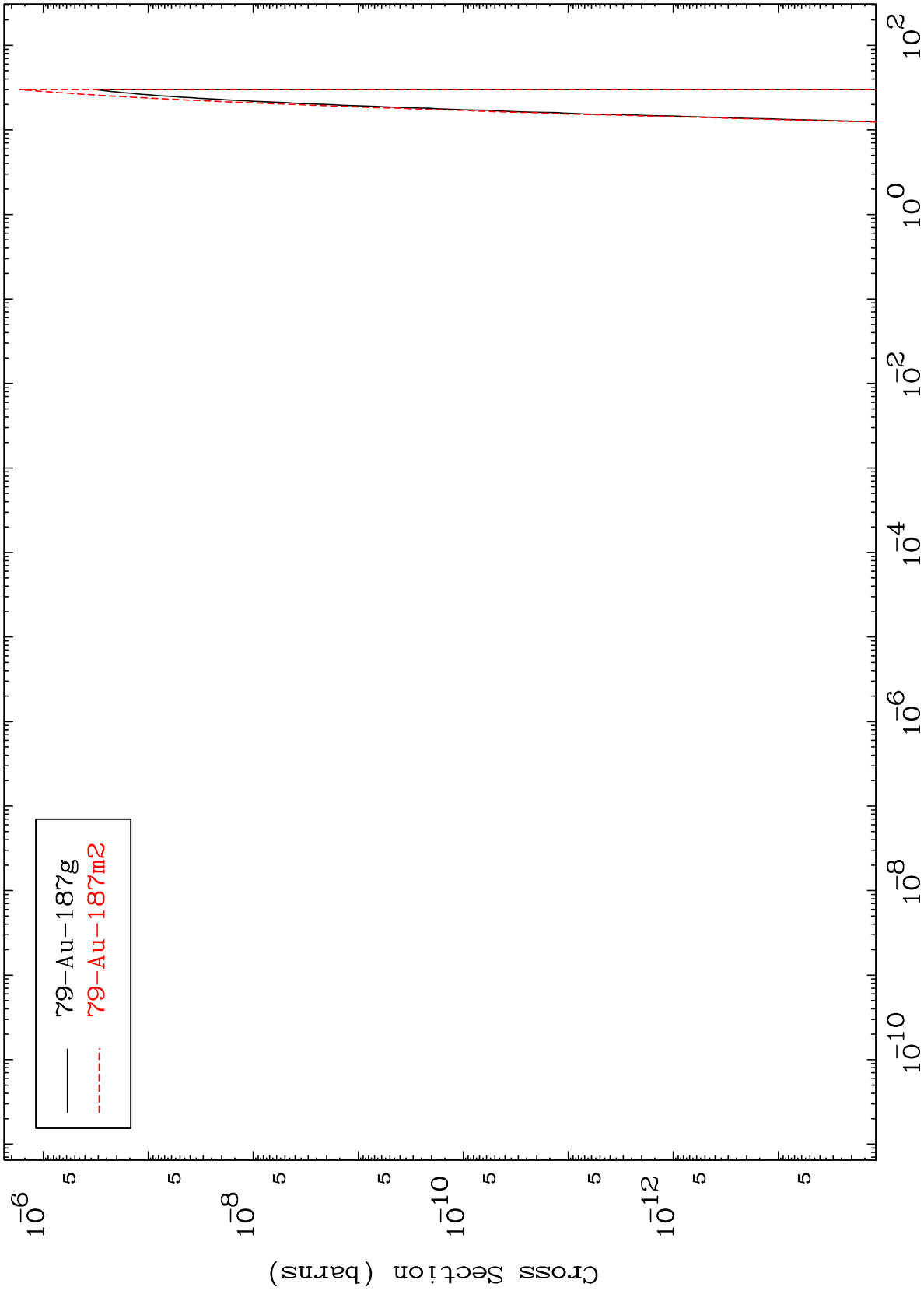
82-Pb-192

MAT 8189

(n,d)  $\alpha$

82-Pb-192

Radionuclide Production Cross Section



75

Incident Energy (MeV)

82-Pb-192