

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

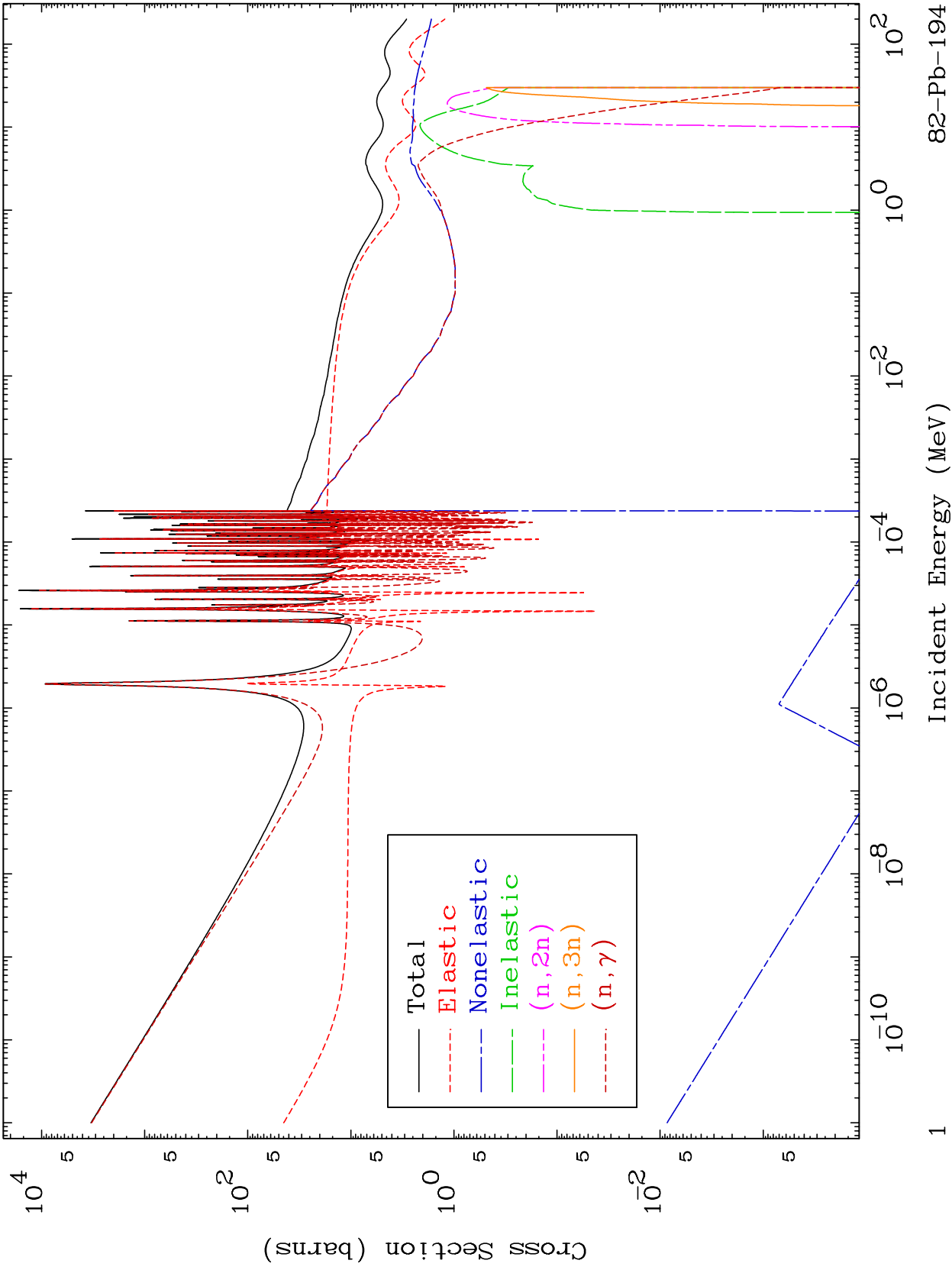
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8195

Neutron Major  
293 Kelvin Cross Sections

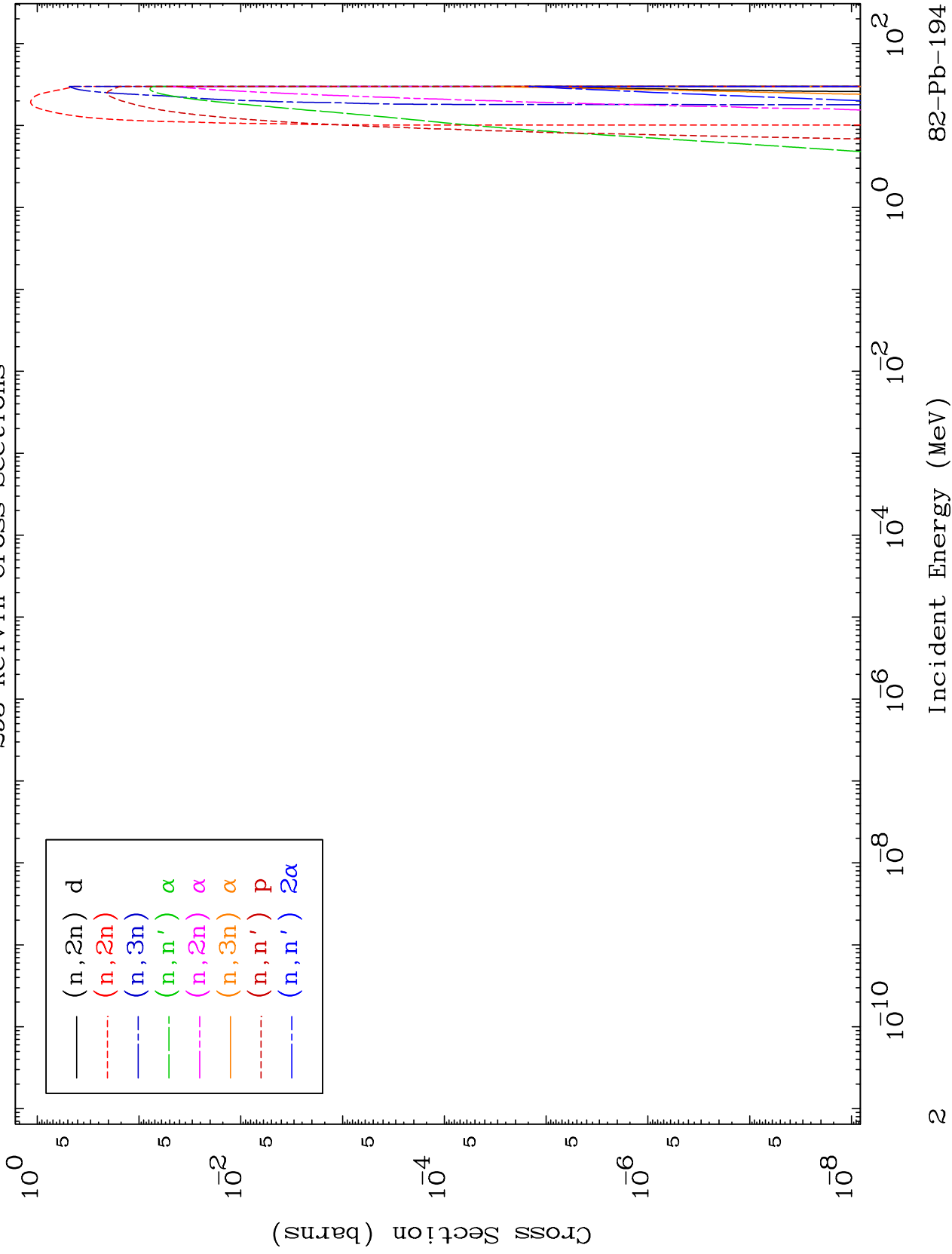
82-Pb-194



MAT 8195

Neutron Absorption  
293 Kelvin Cross Sections

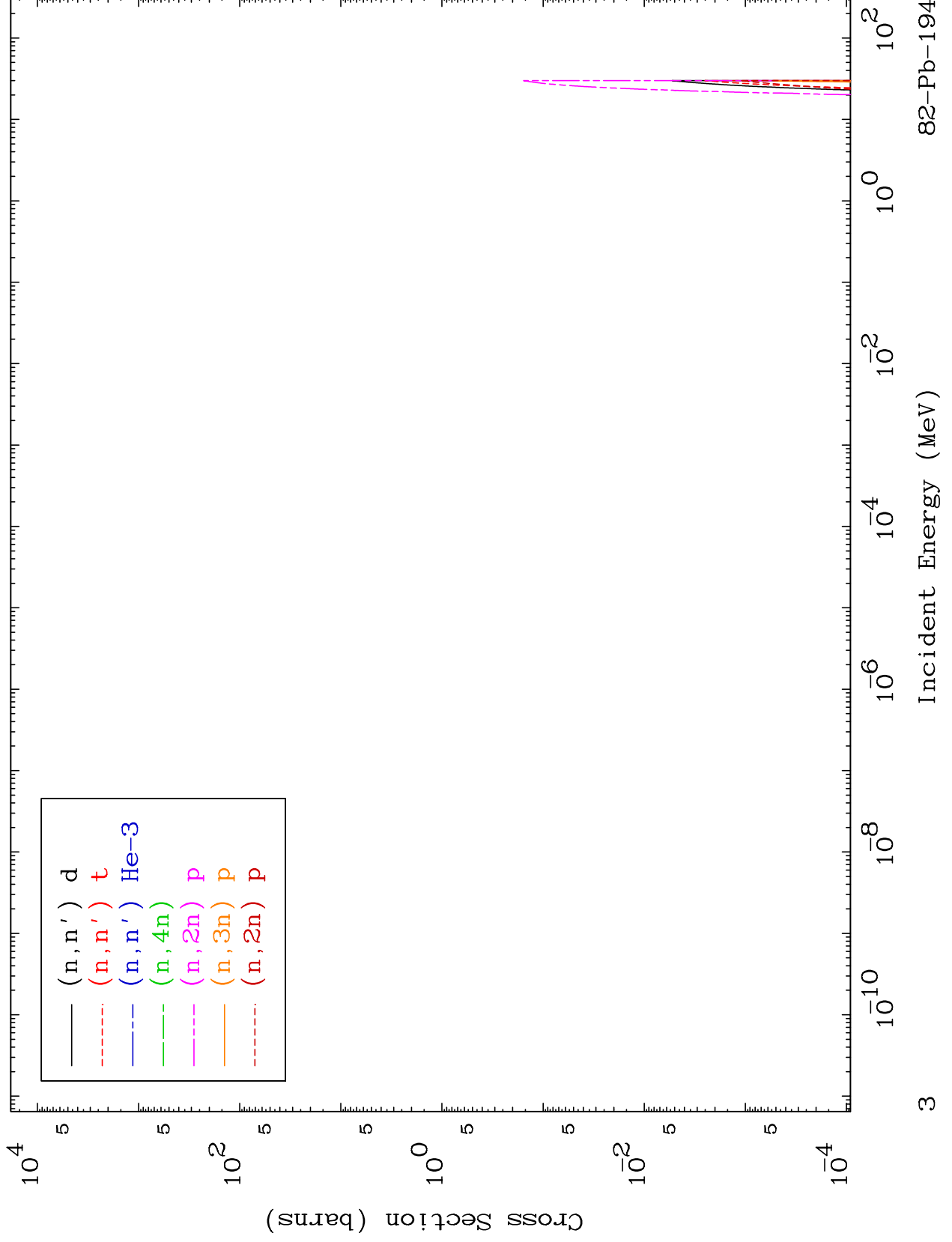
82-Pb-194



MAT 8195

Neutron Absorption  
293 Kelvin Cross Sections

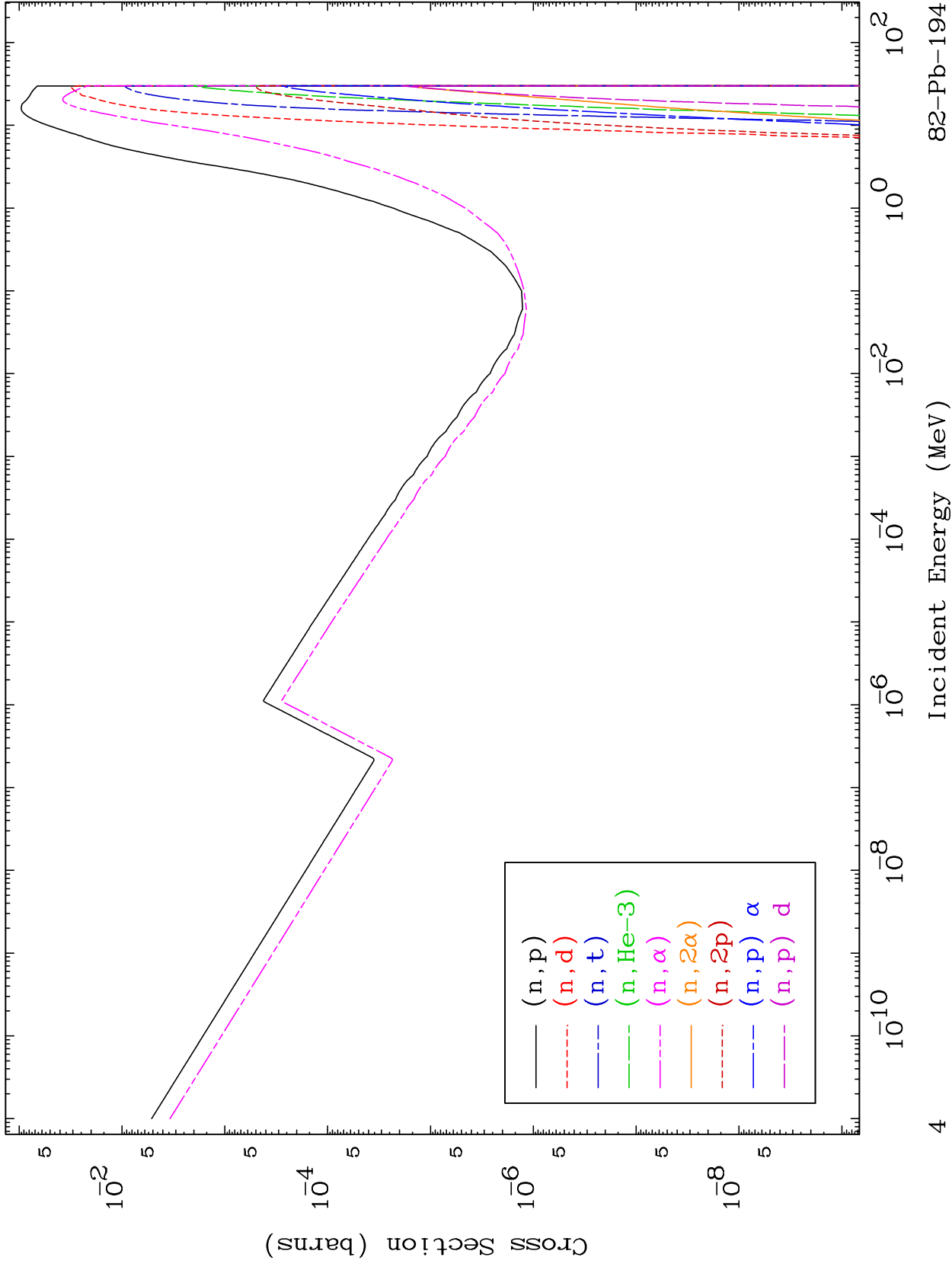
82-Pb-194



MAT 8195

Neutron Absorption  
293 Kelvin Cross Sections

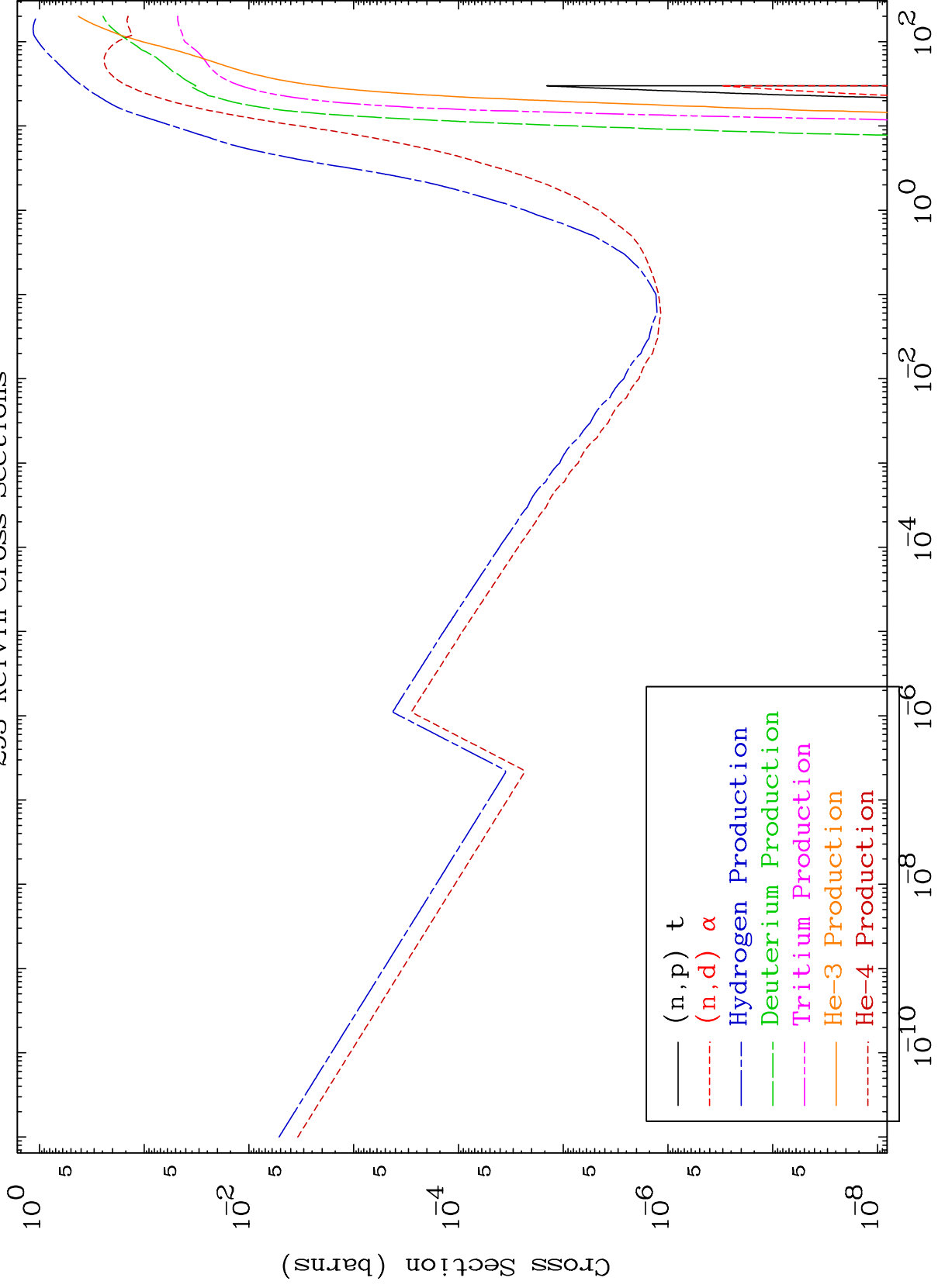
82-Pb-194



MAT 8195

Neutron Absorption  
293 Kelvin Cross Sections

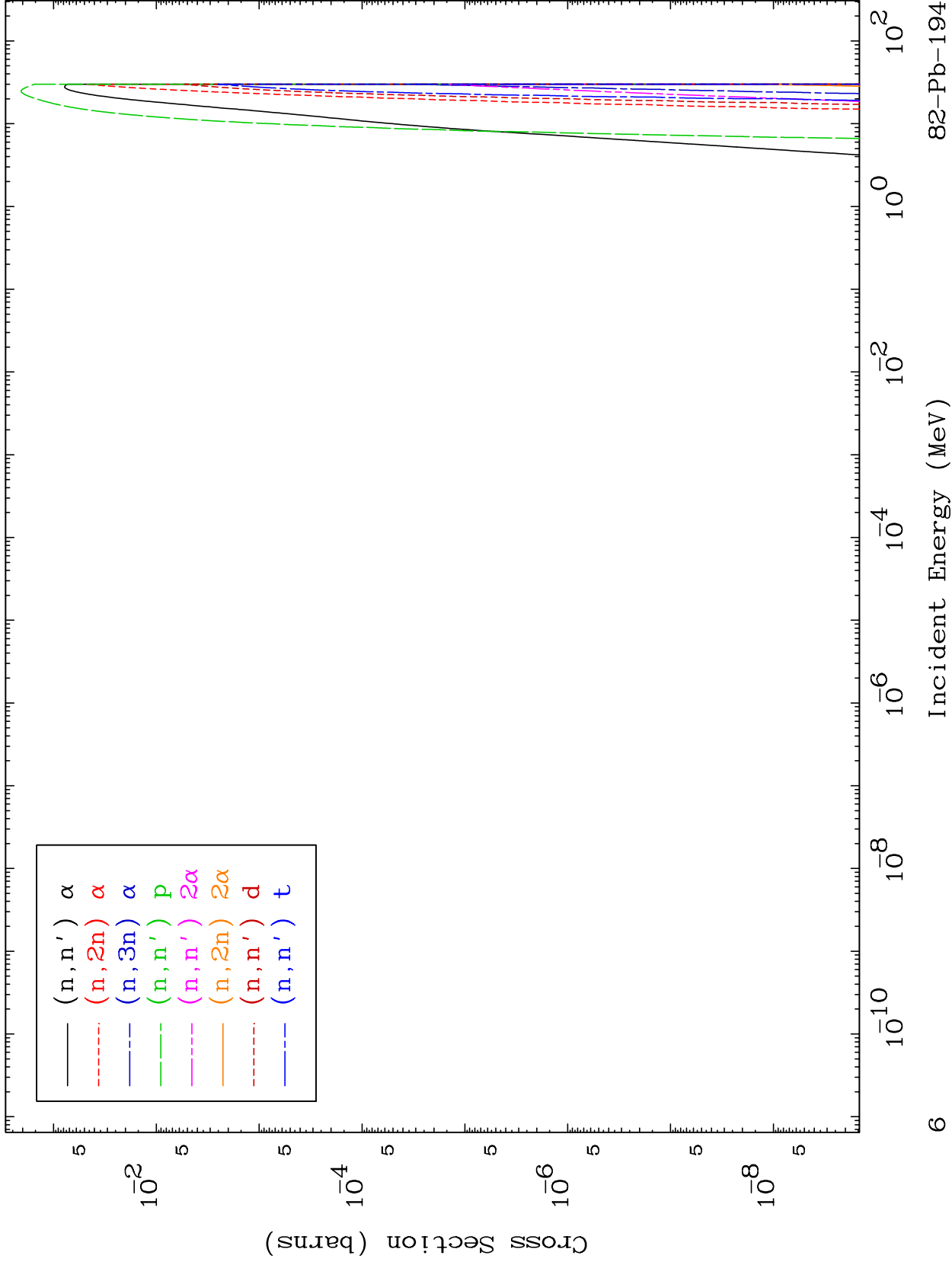
82-Pb-194



MAT 8195

Charged Particle  
293 Kelvin Cross Sections

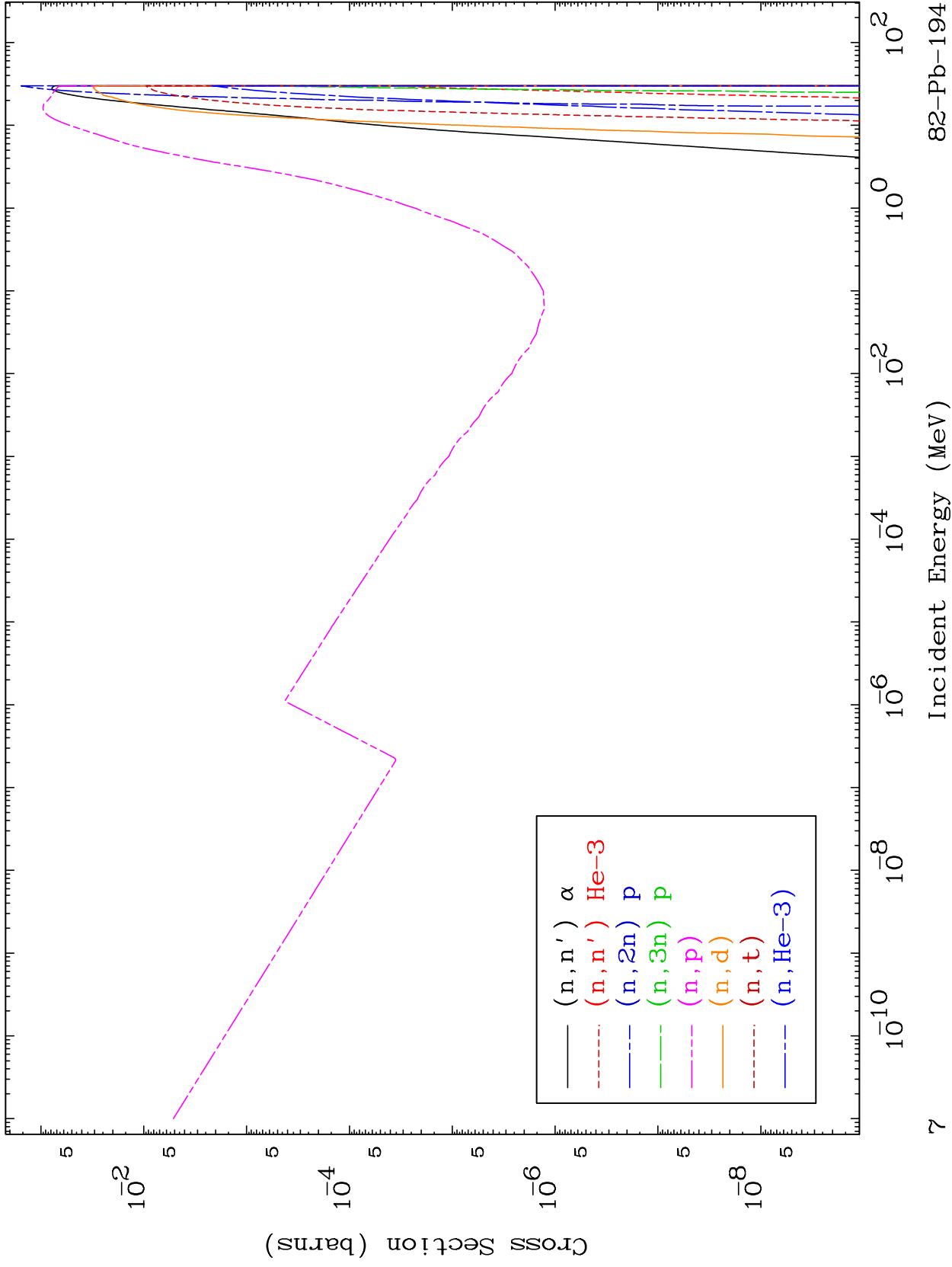
82-Pb-194



MAT 8195

Charged Particle  
293 Kelvin Cross Sections

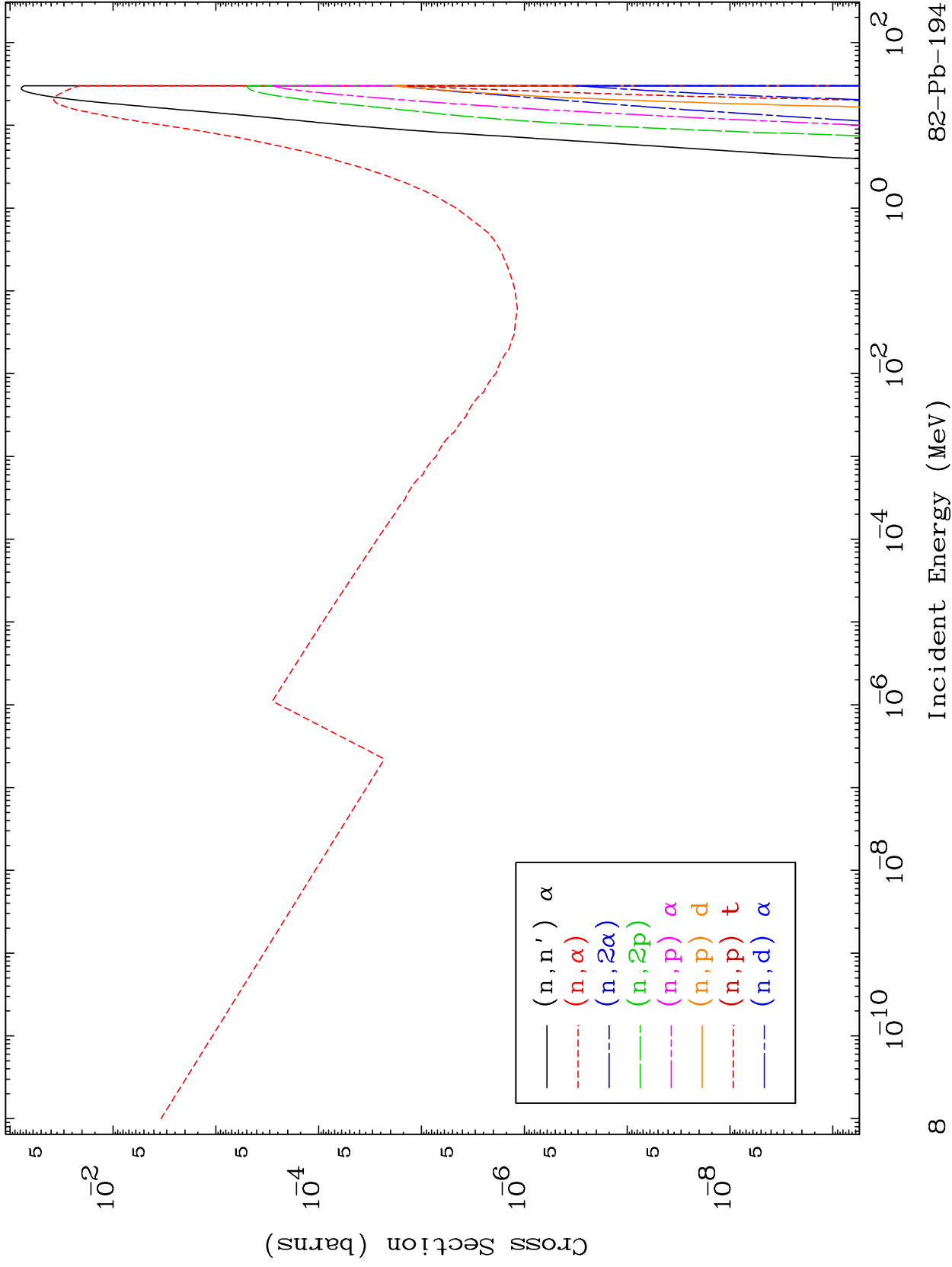
82-Pb-194



MAT 8195

Charged Particle  
293 Kelvin Cross Sections

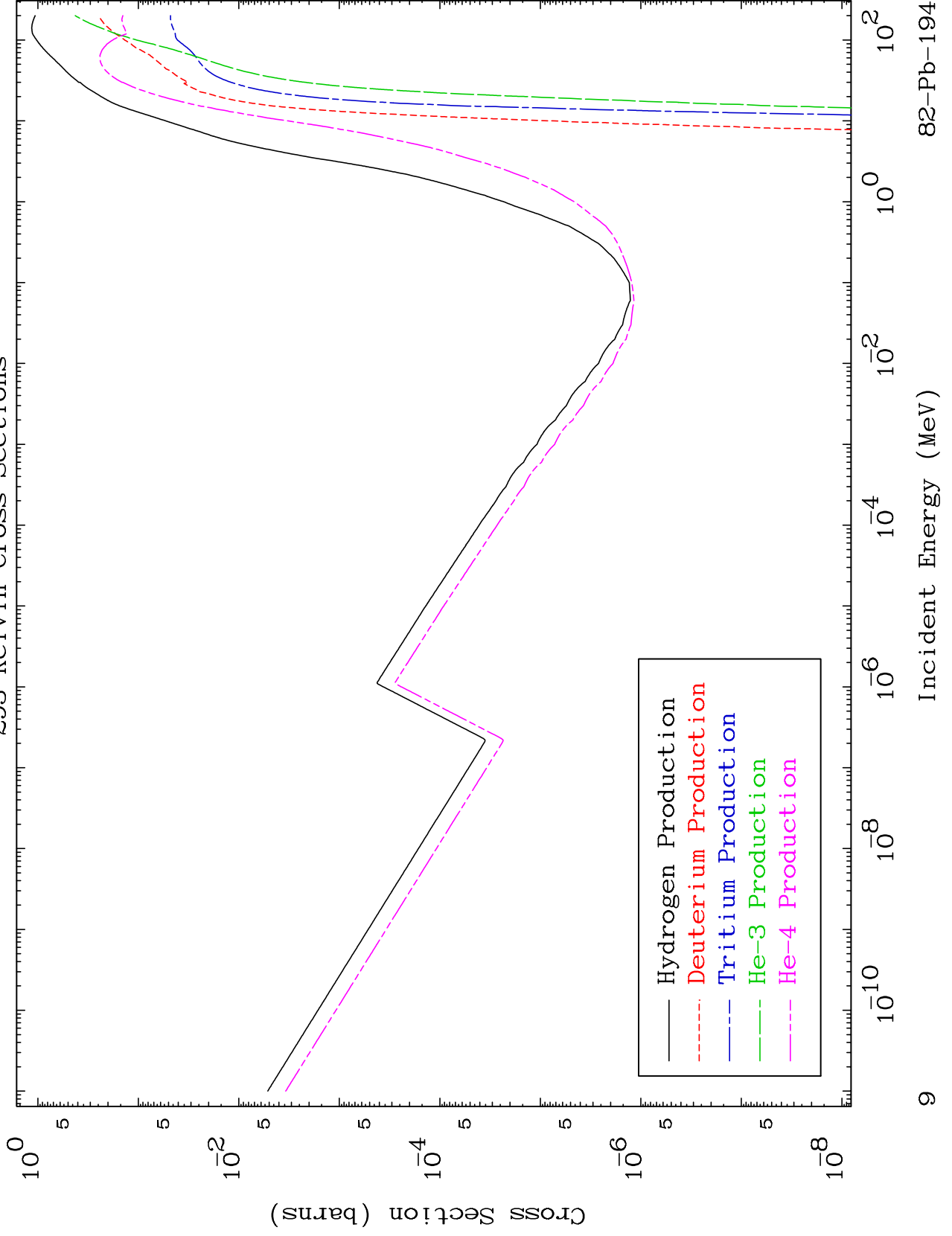
82-Pb-194



MAT 8195

Particle Production  
293 Kelvin Cross Sections

82-Pb-194

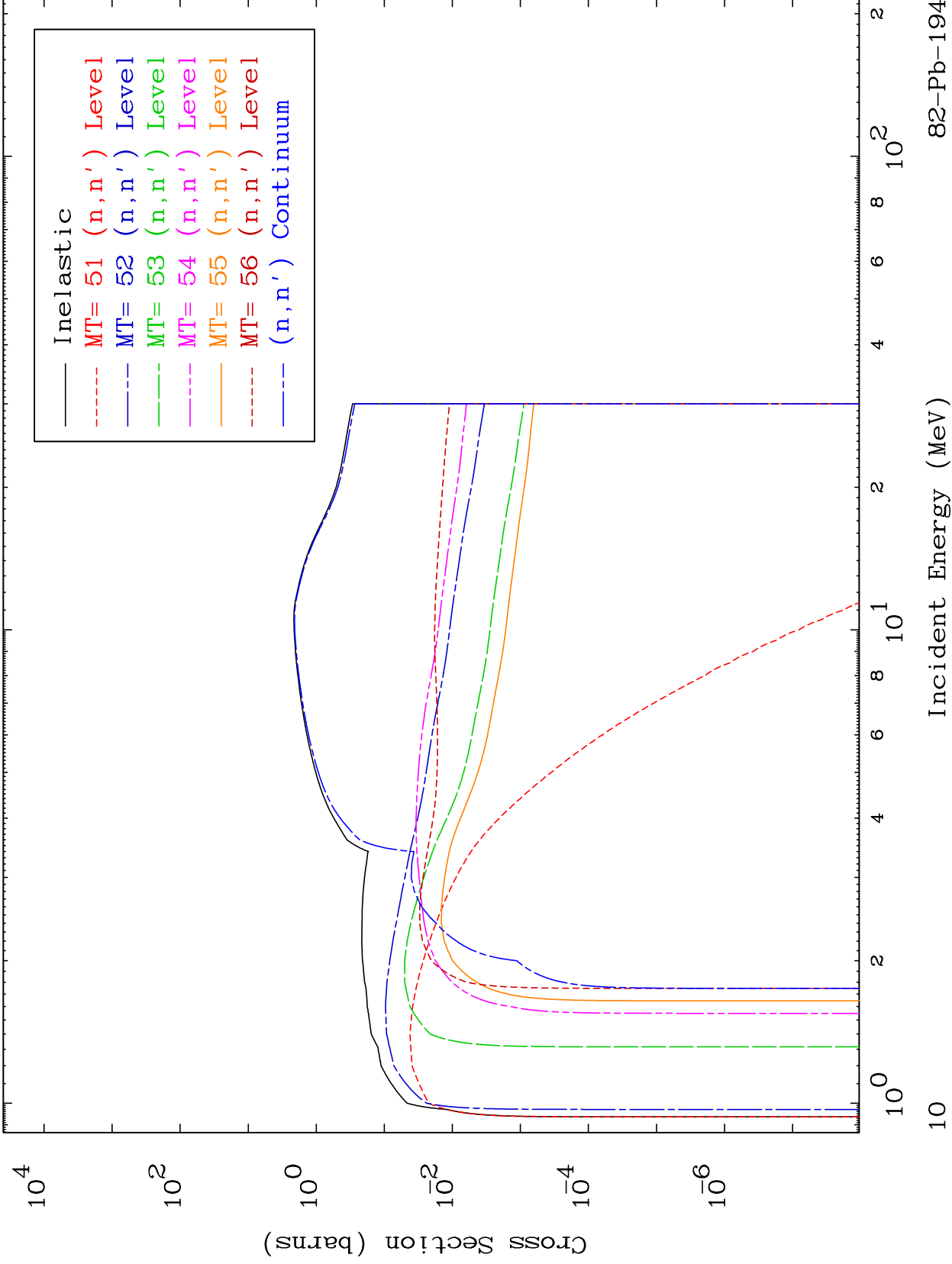


MAT 8195

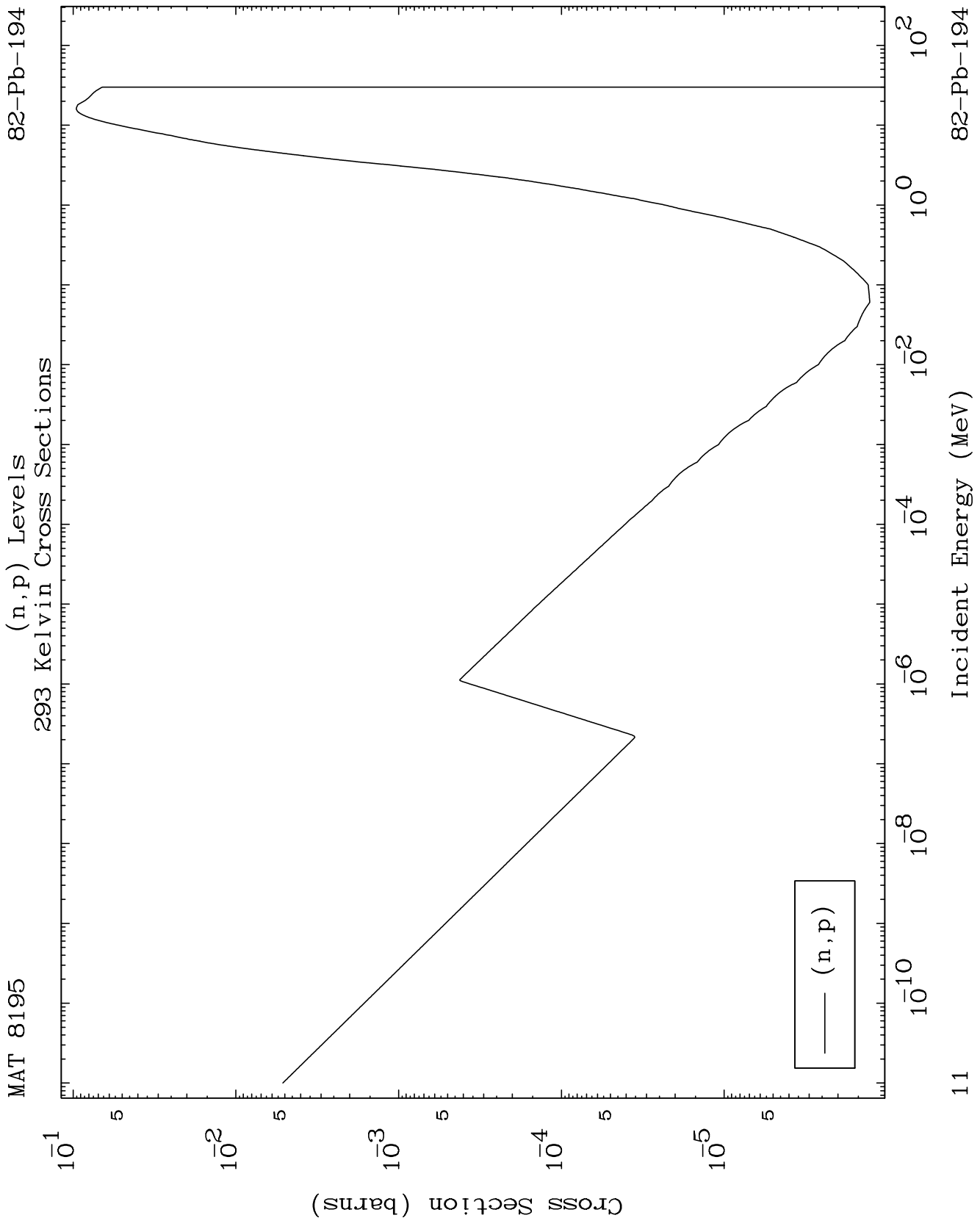
(n,n') Levels

293 Kelvin Cross Sections

82-Pb-194



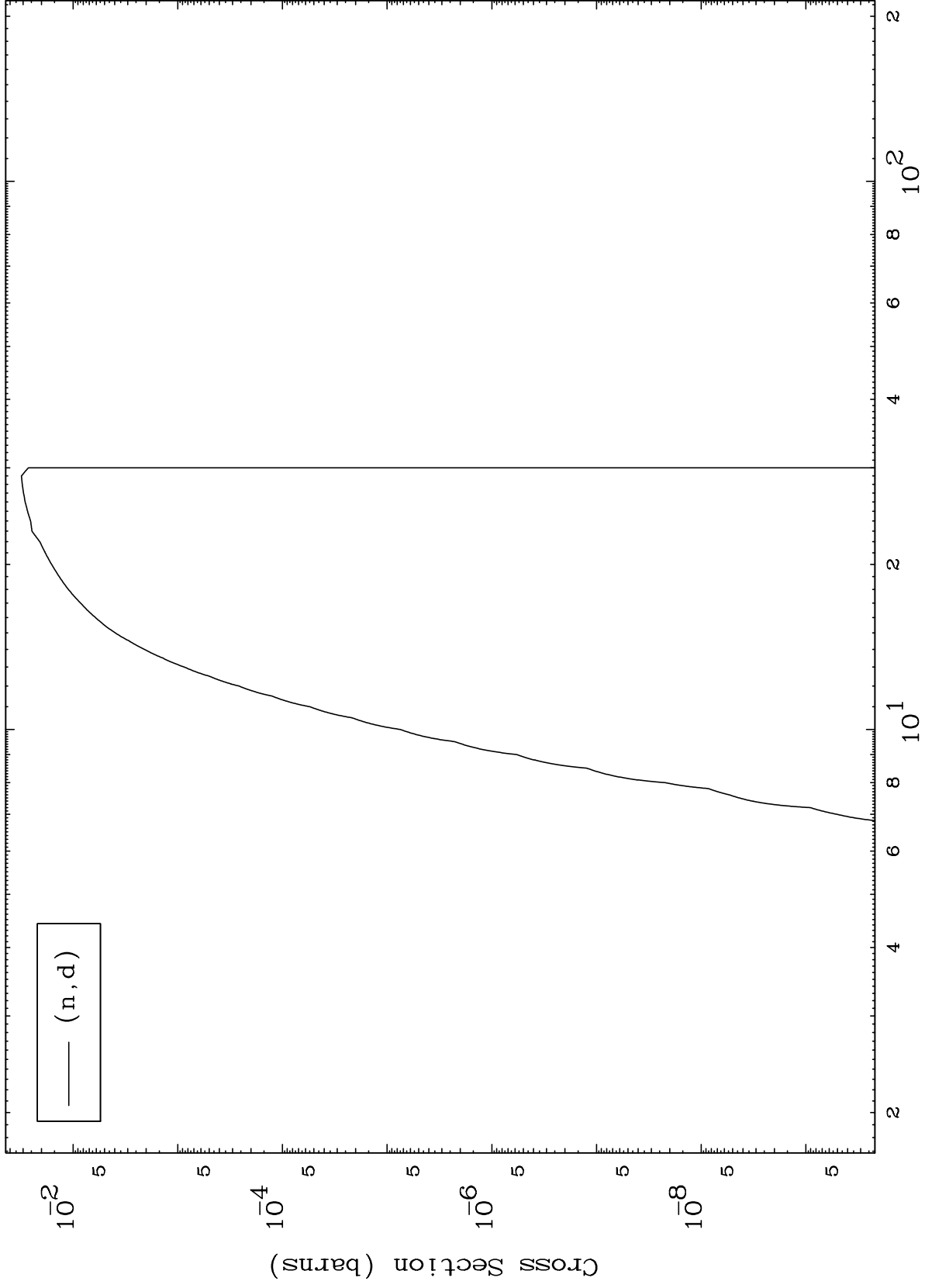
82-Pb-194



MAT 8195

(n,d) Levels  
293 Kelvin Cross Sections

82-Pb-194



12

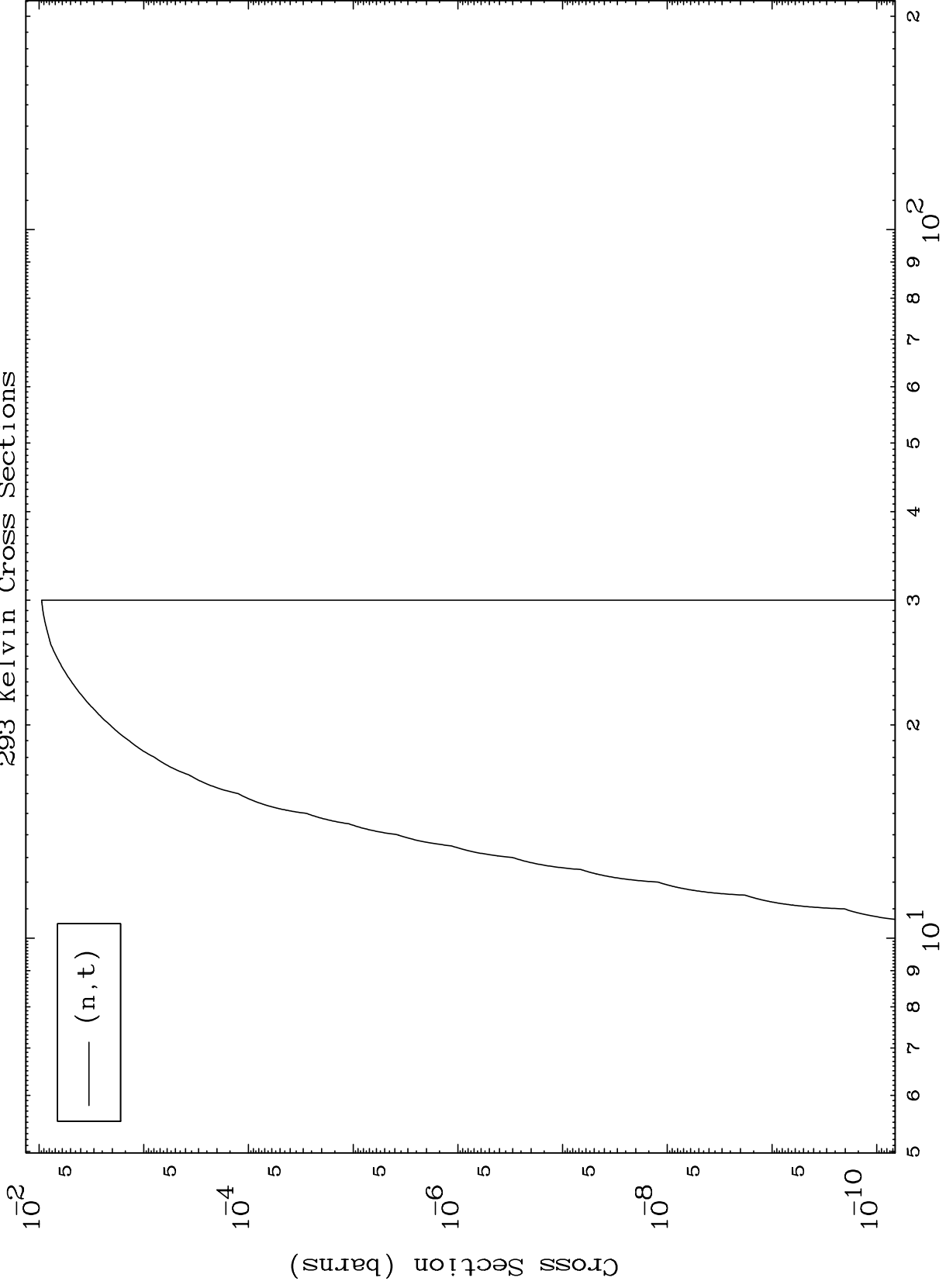
Incident Energy (MeV)

82-Pb-194

MAT 8195

(n,t) Levels  
293 Kelvin Cross Sections

82-Pb-194



13

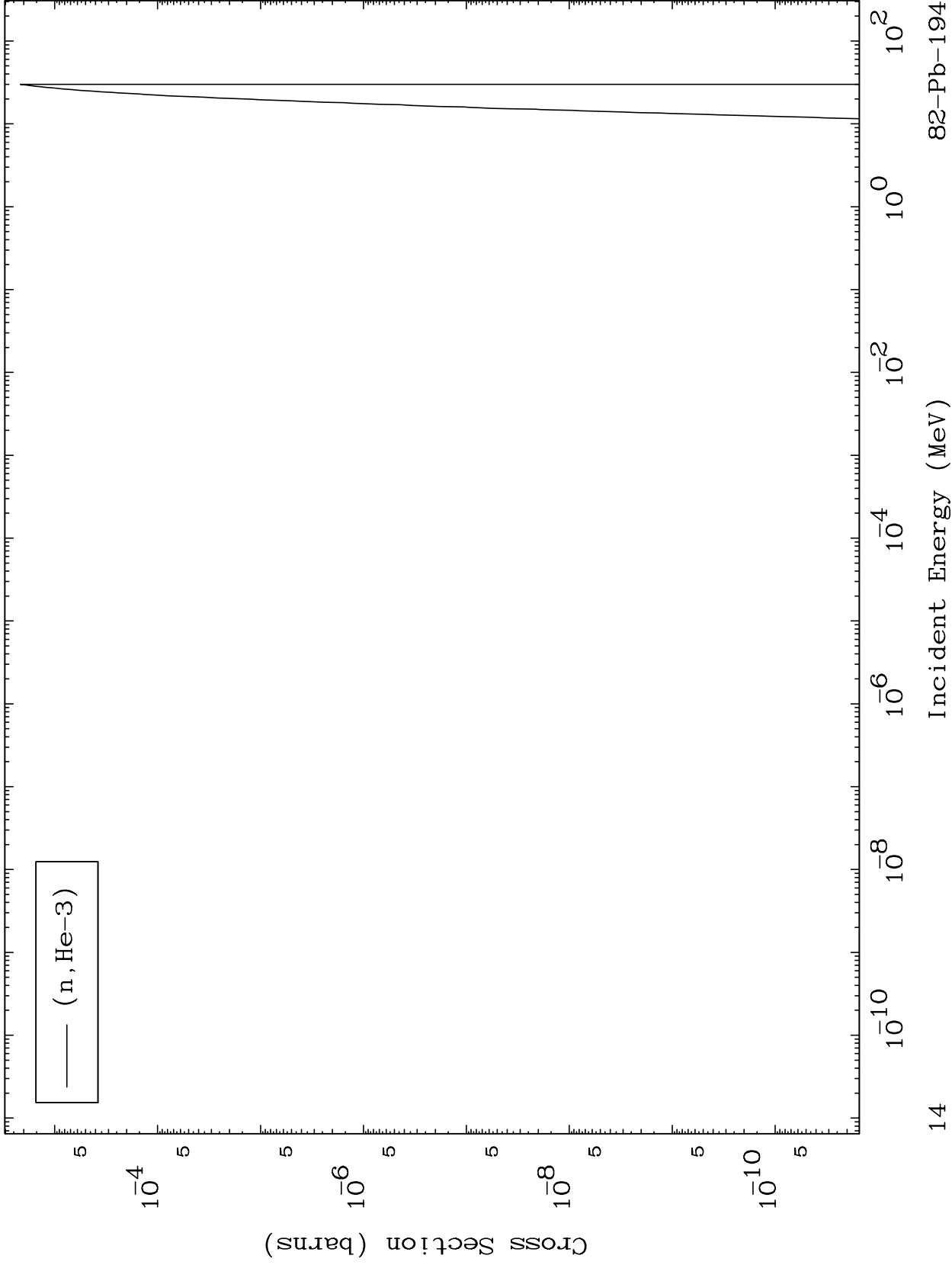
Incident Energy (MeV)

82-Pb-194

MAT 8195

(n,He3) Levels  
293 Kelvin Cross Sections

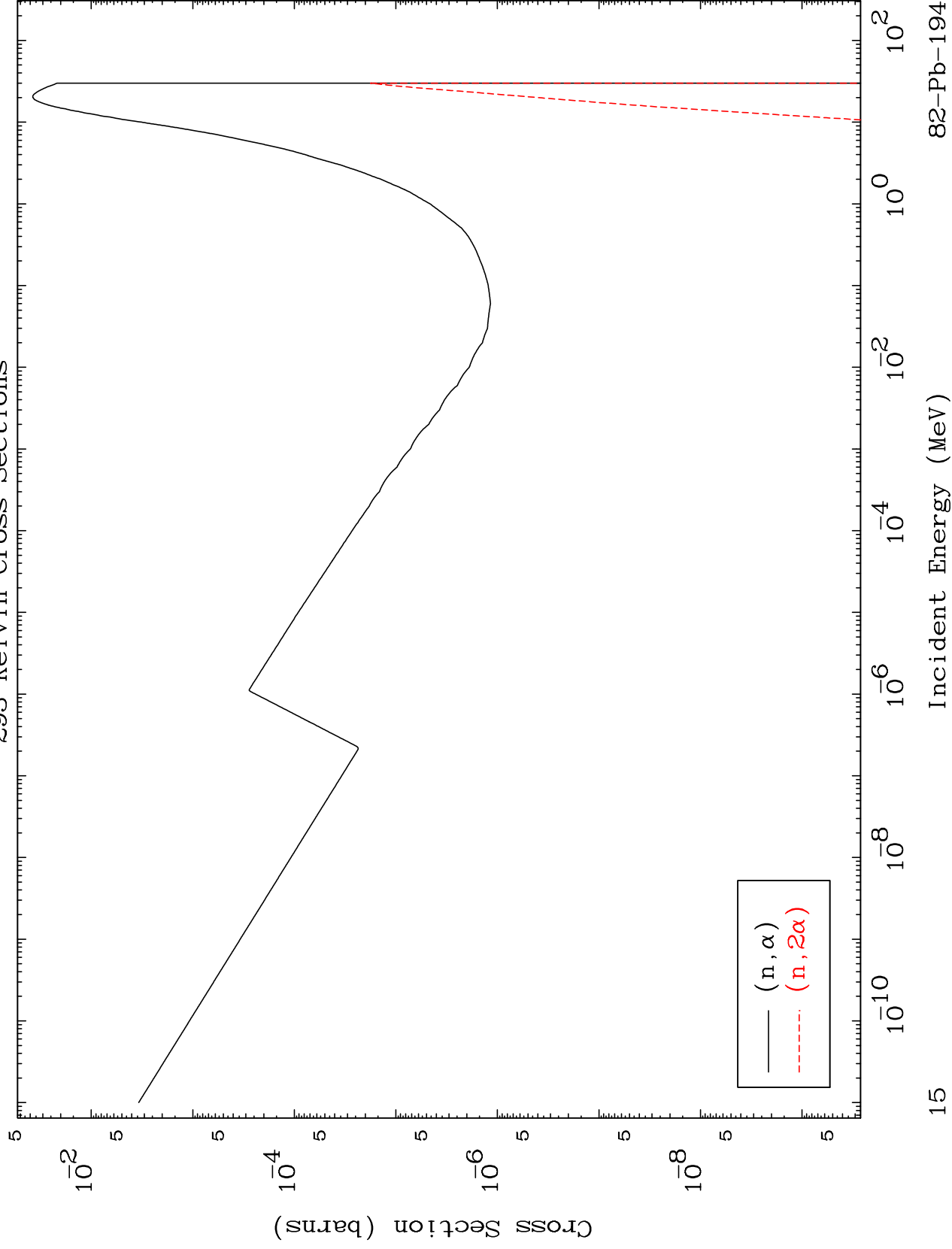
82-Pb-194



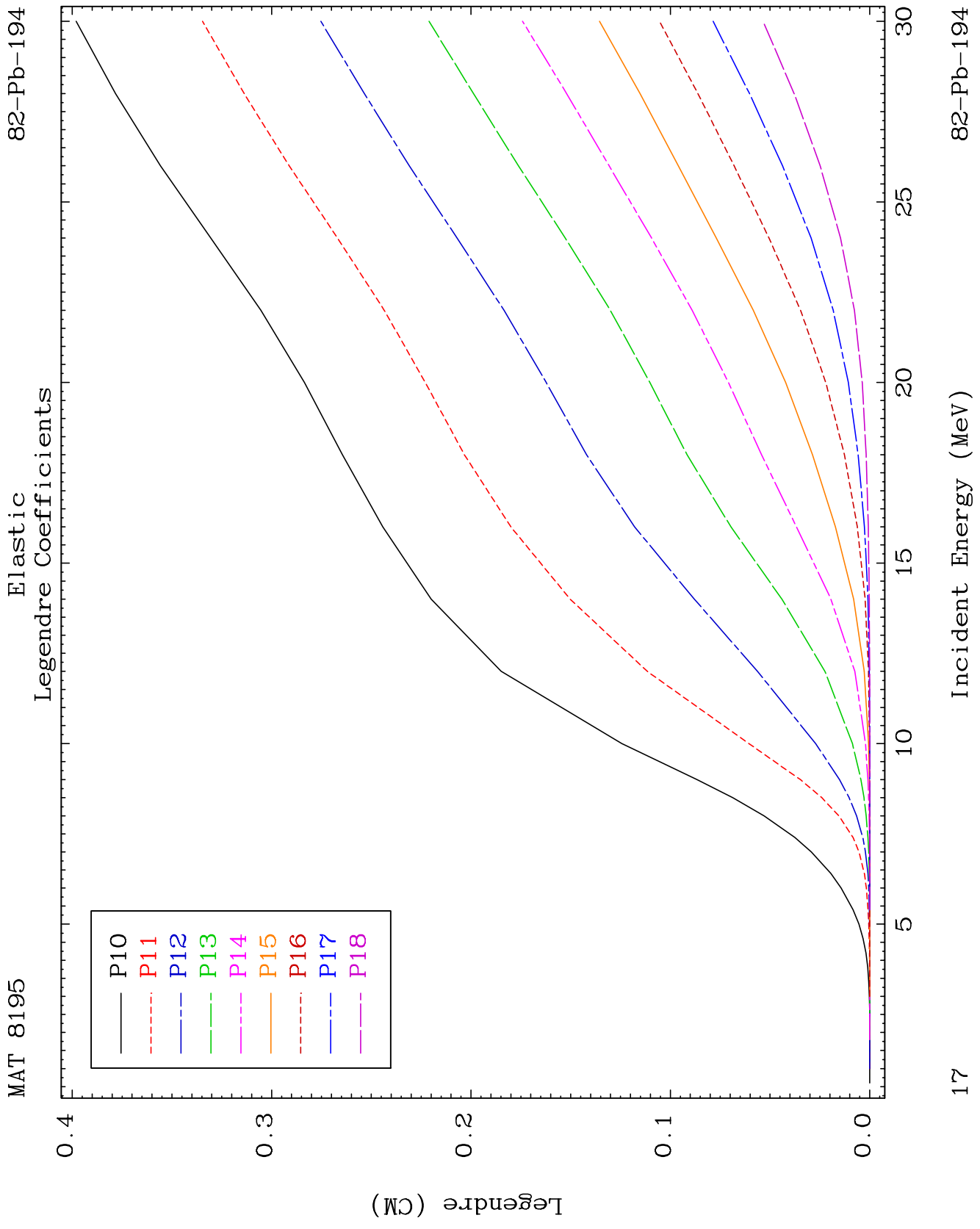
MAT 8195

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

82-Pb-194



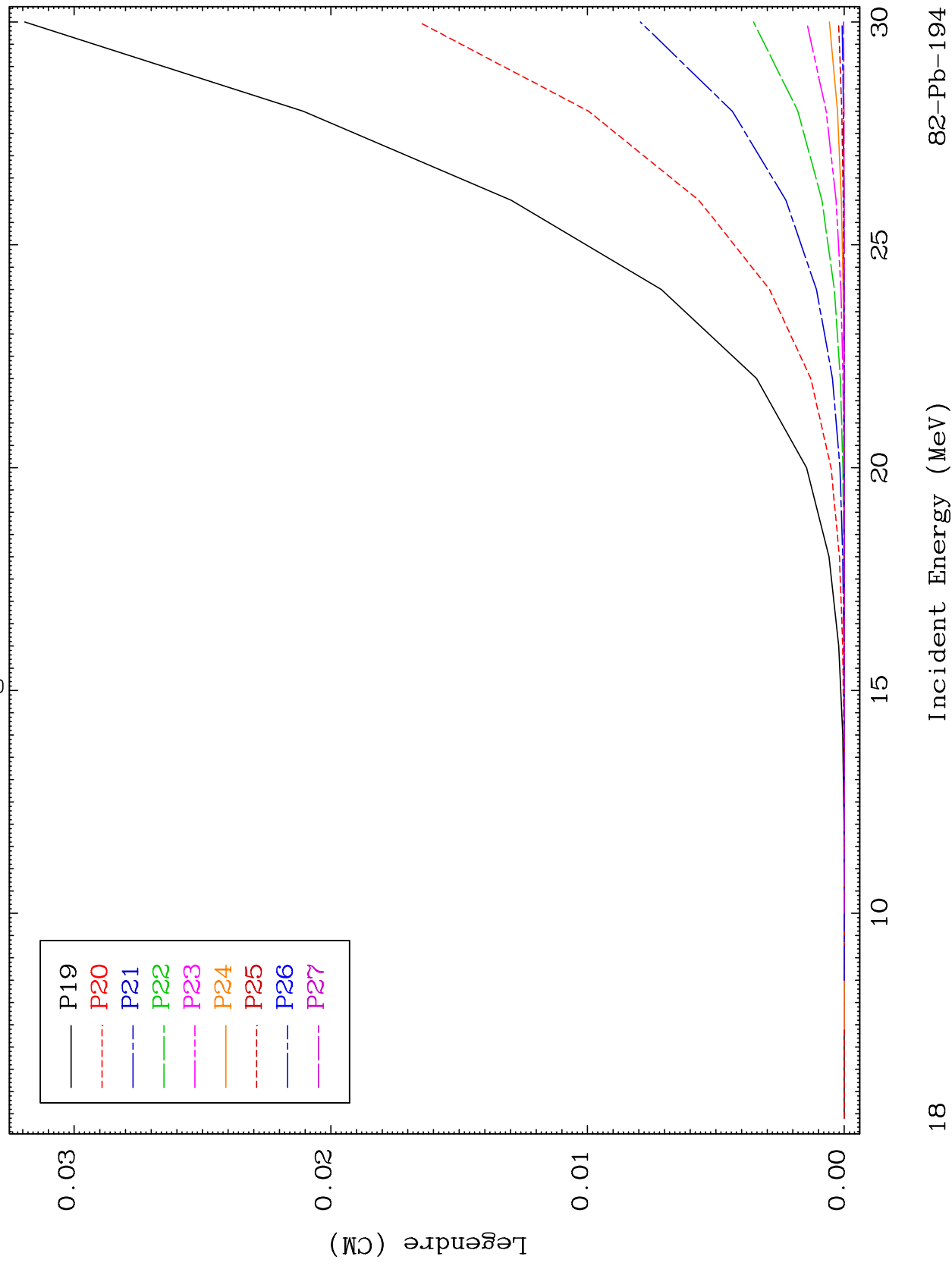




MAT 8195

### Elastic Legendre Coefficients

82-Pb-194



18

Incident Energy (MeV)

82-Pb-194

30

25

20

15

10

0.03

0.02

0.01

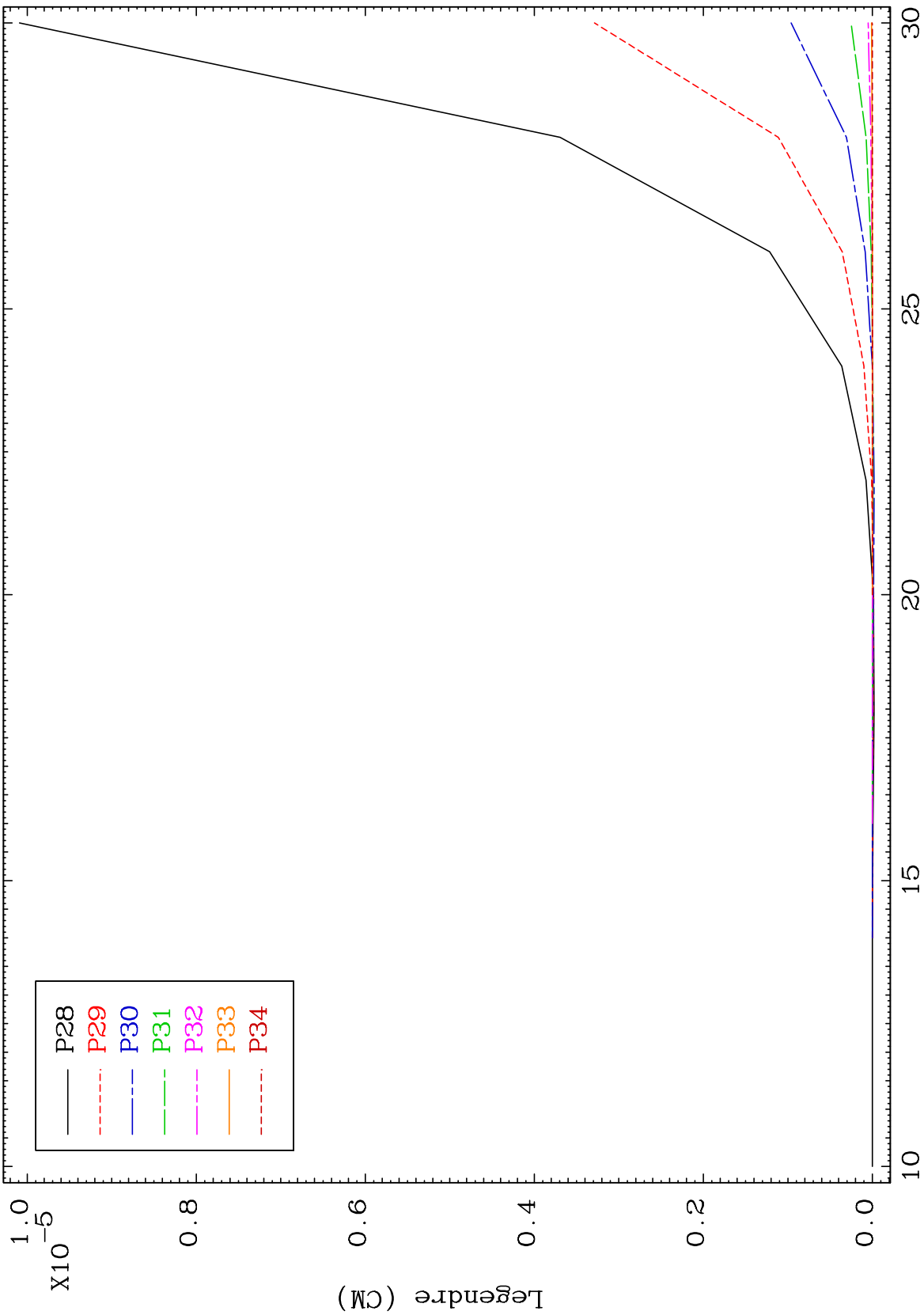
0.00

Legendre (CM)

MAT 8195

Elastic  
Legendre Coefficients

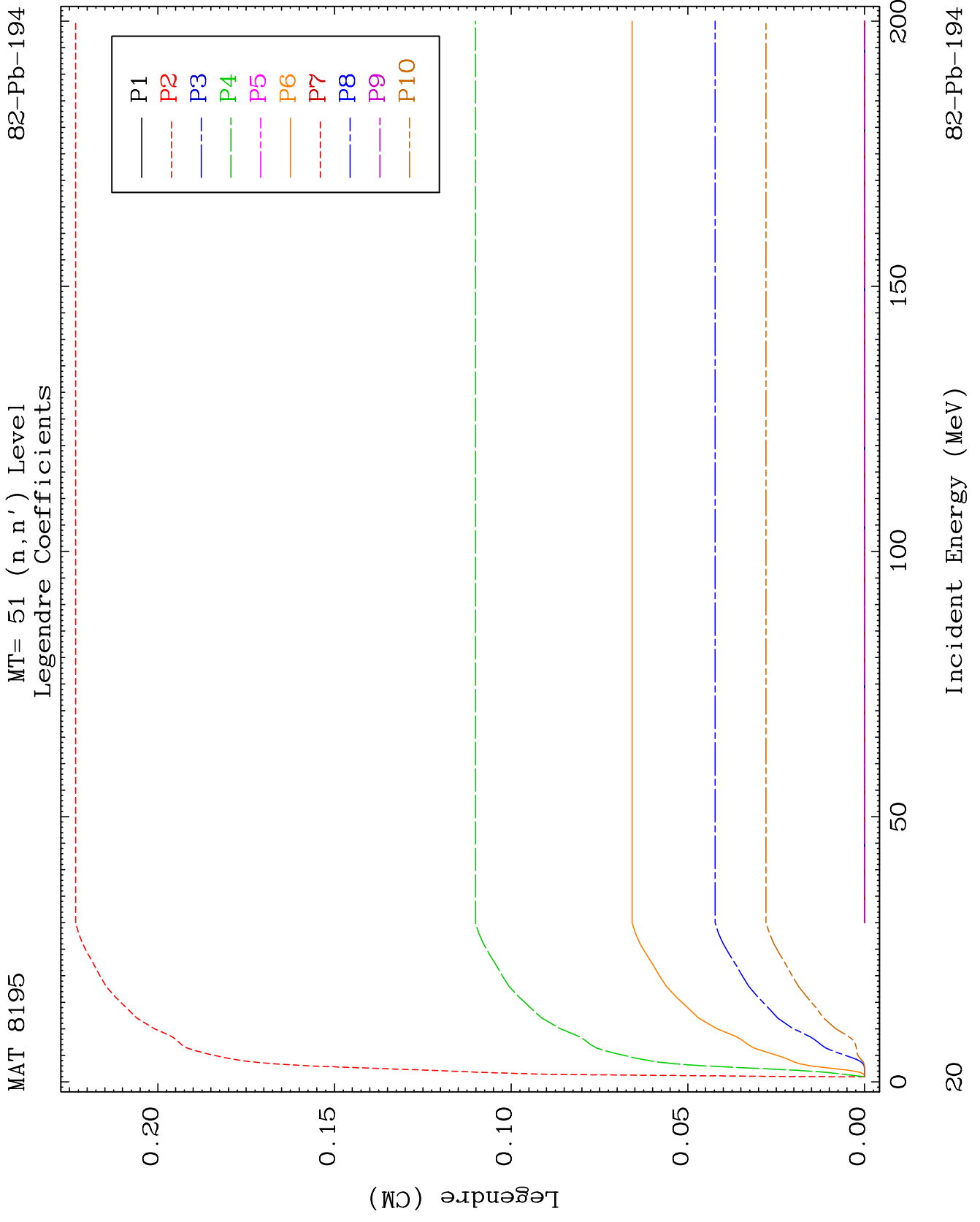
82-Pb-194



19

Incident Energy (MeV)

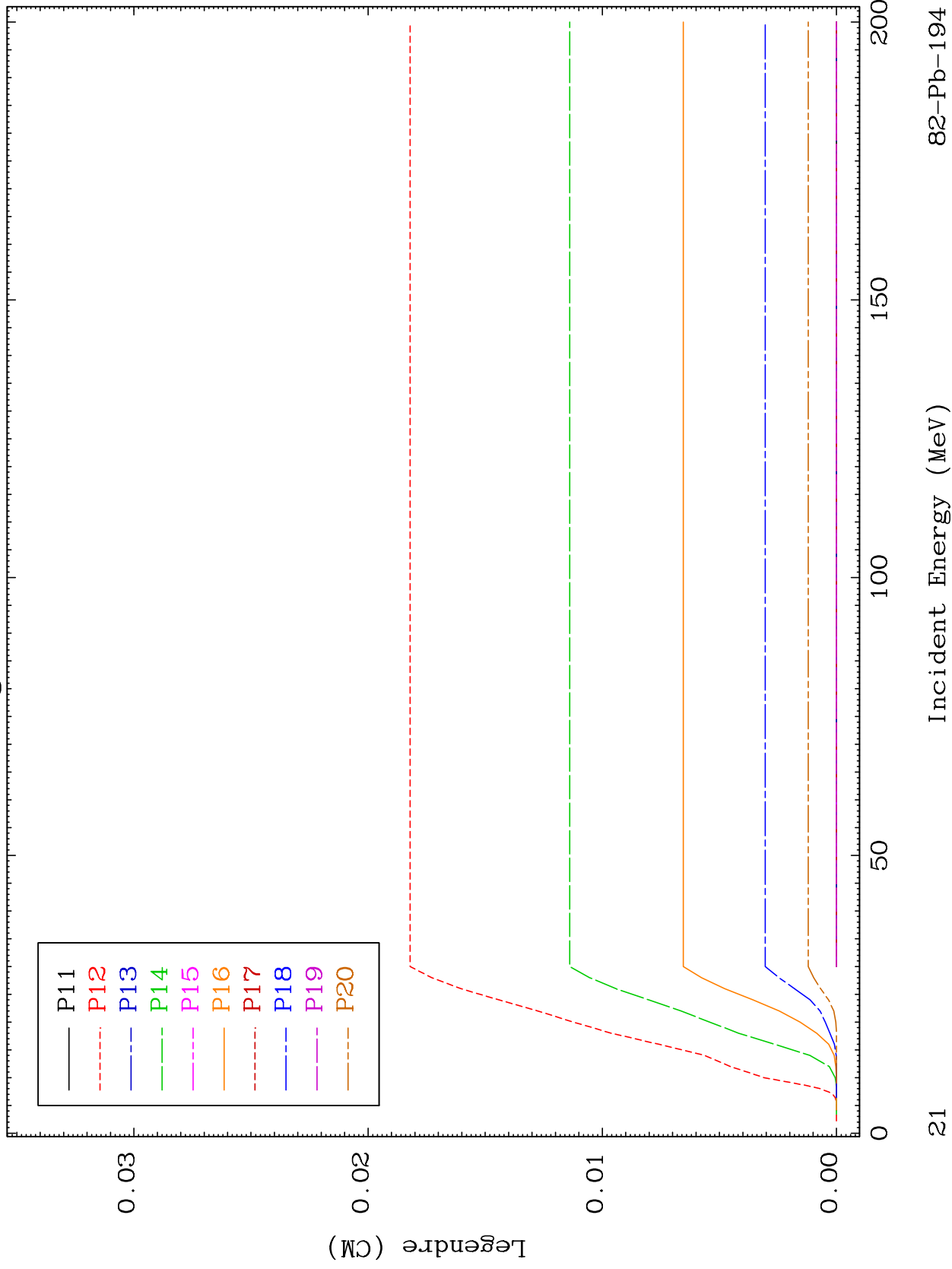
82-Pb-194



MAT 8195

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

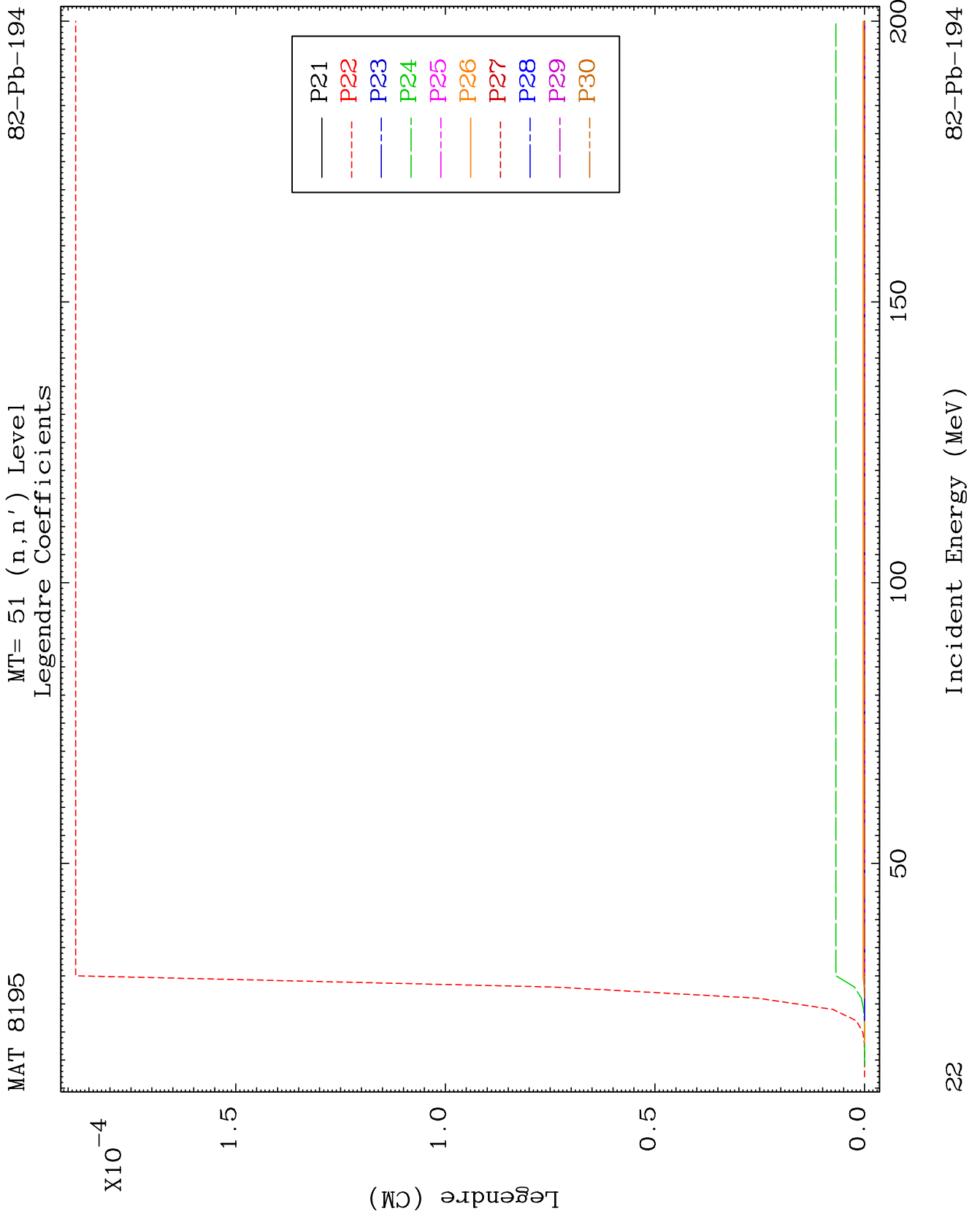
82-Pb-194



21

Incident Energy (MeV)

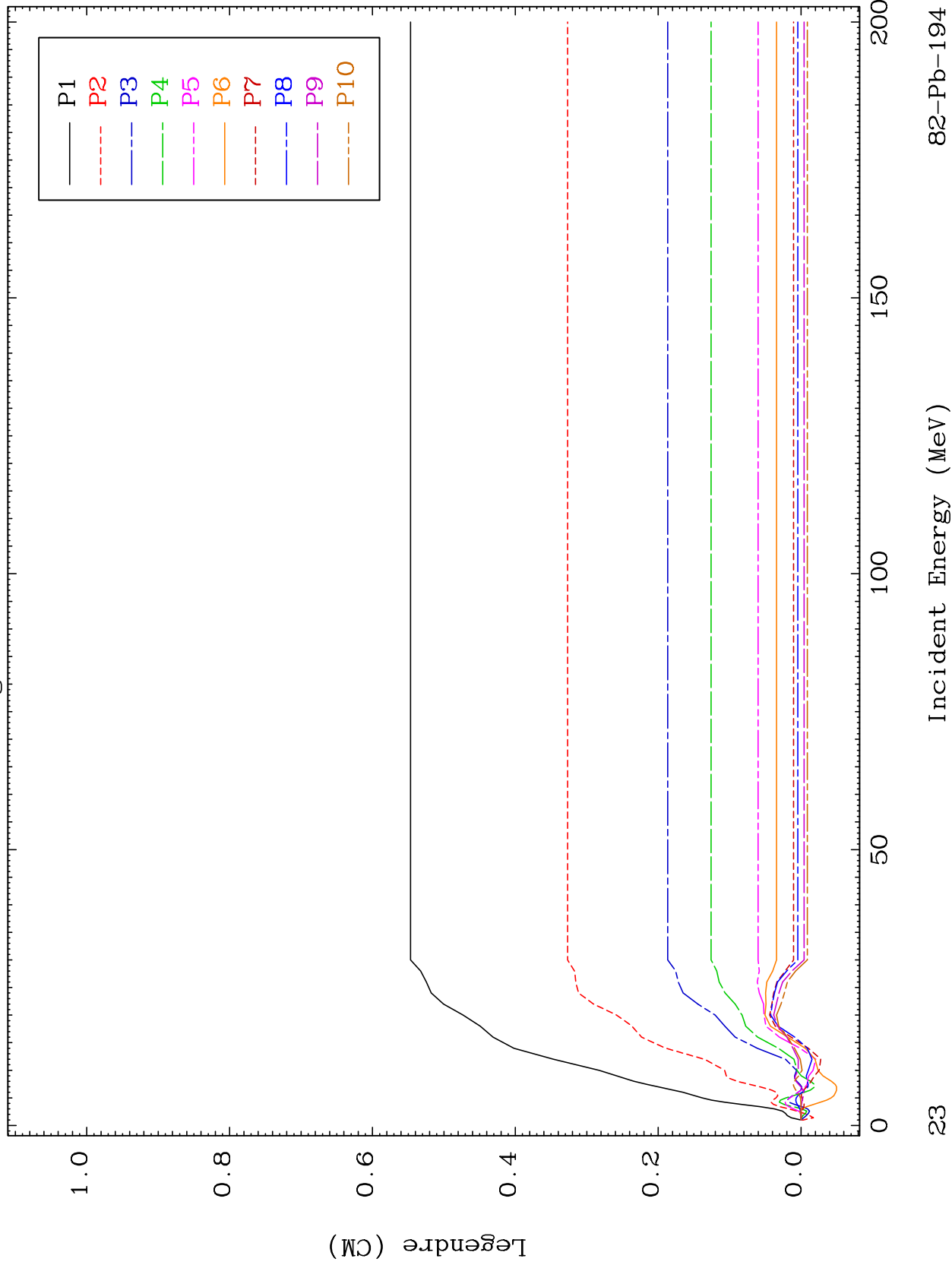
82-Pb-194



MAT 8195

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

82-Pb-194



82-Pb-194

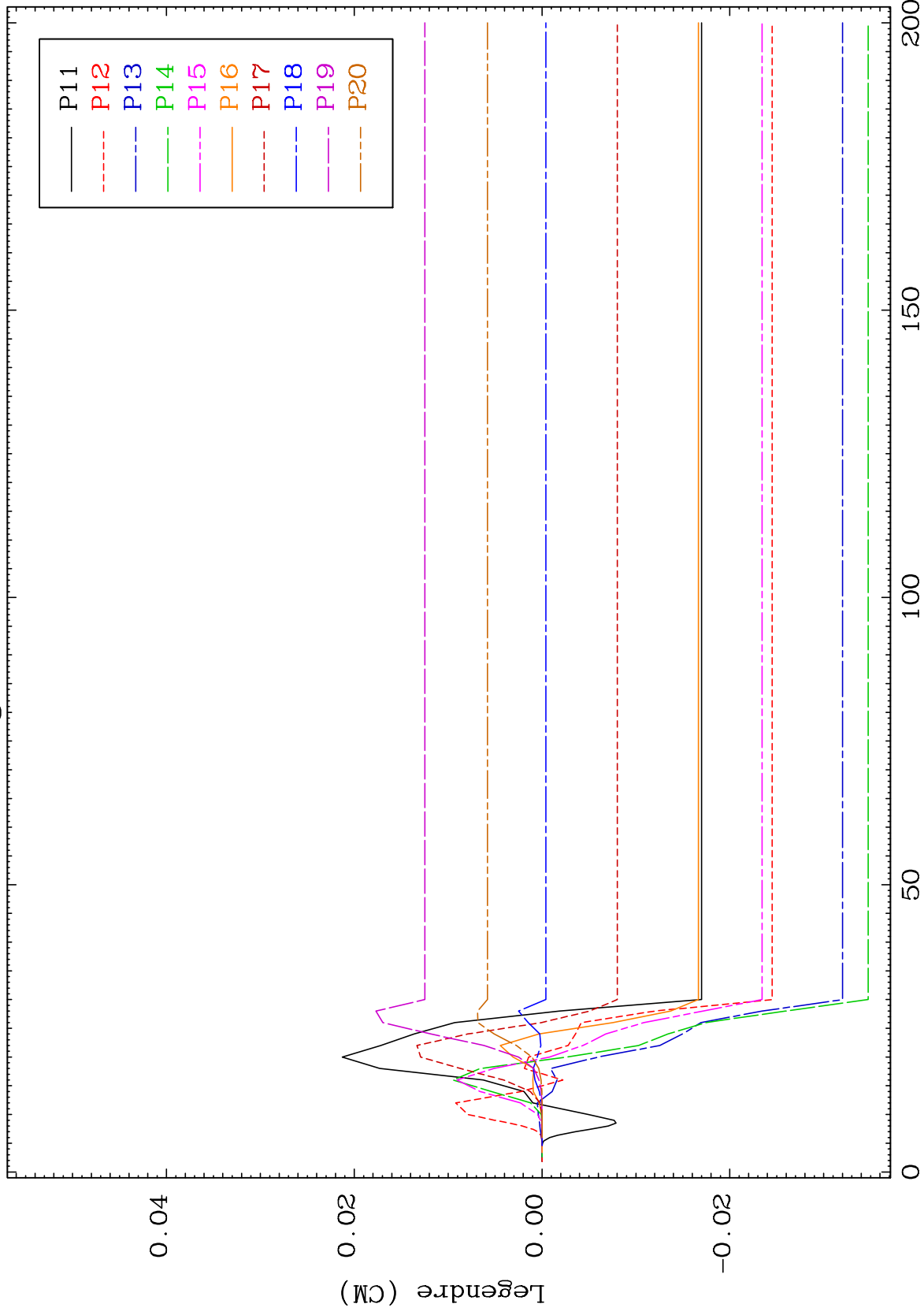
Incident Energy (MeV)

23

MAT 8195

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

82-Pb-194



24

Incident Energy (MeV)

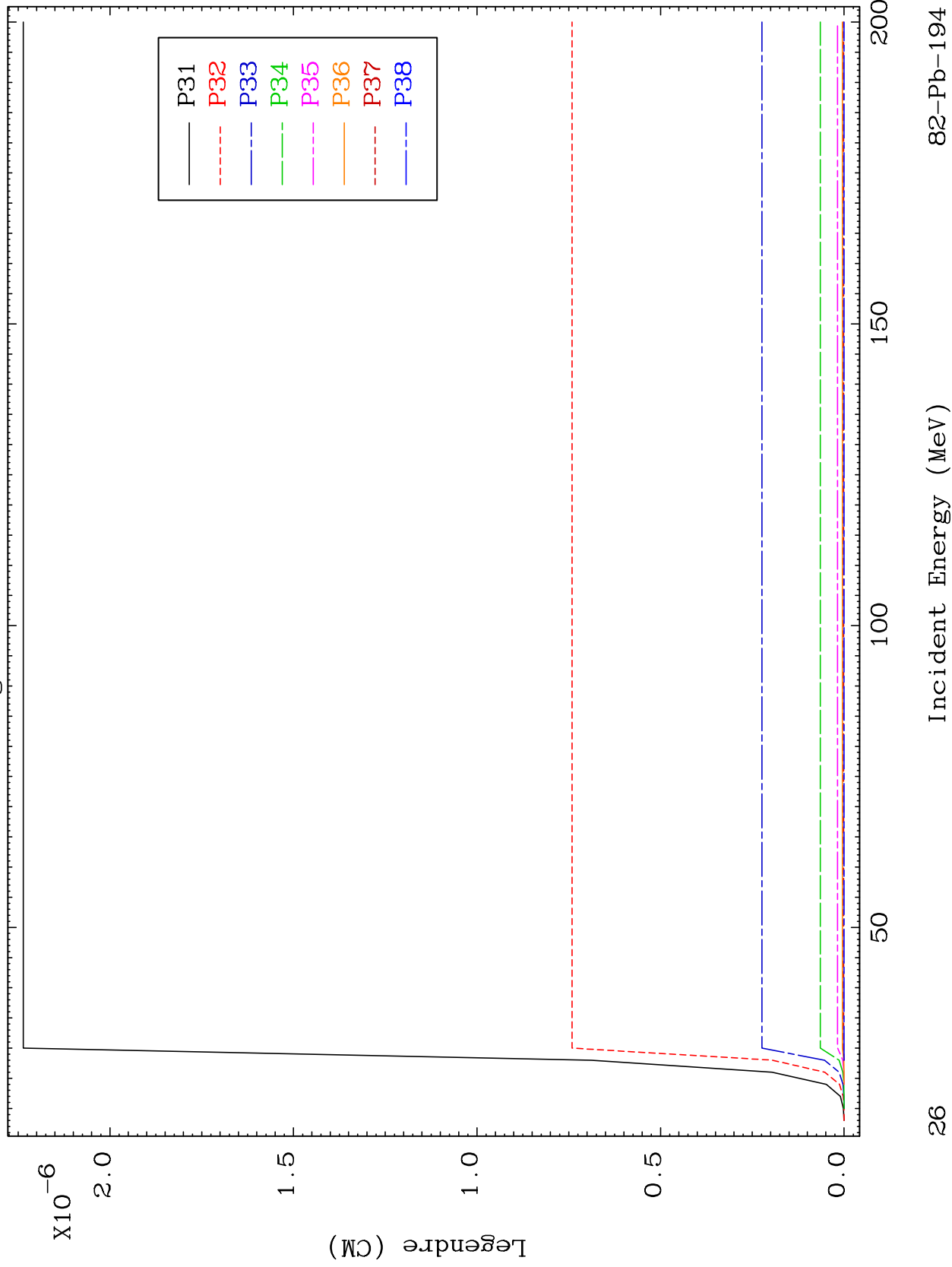
82-Pb-194



MAT 8195

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

82-Pb-194

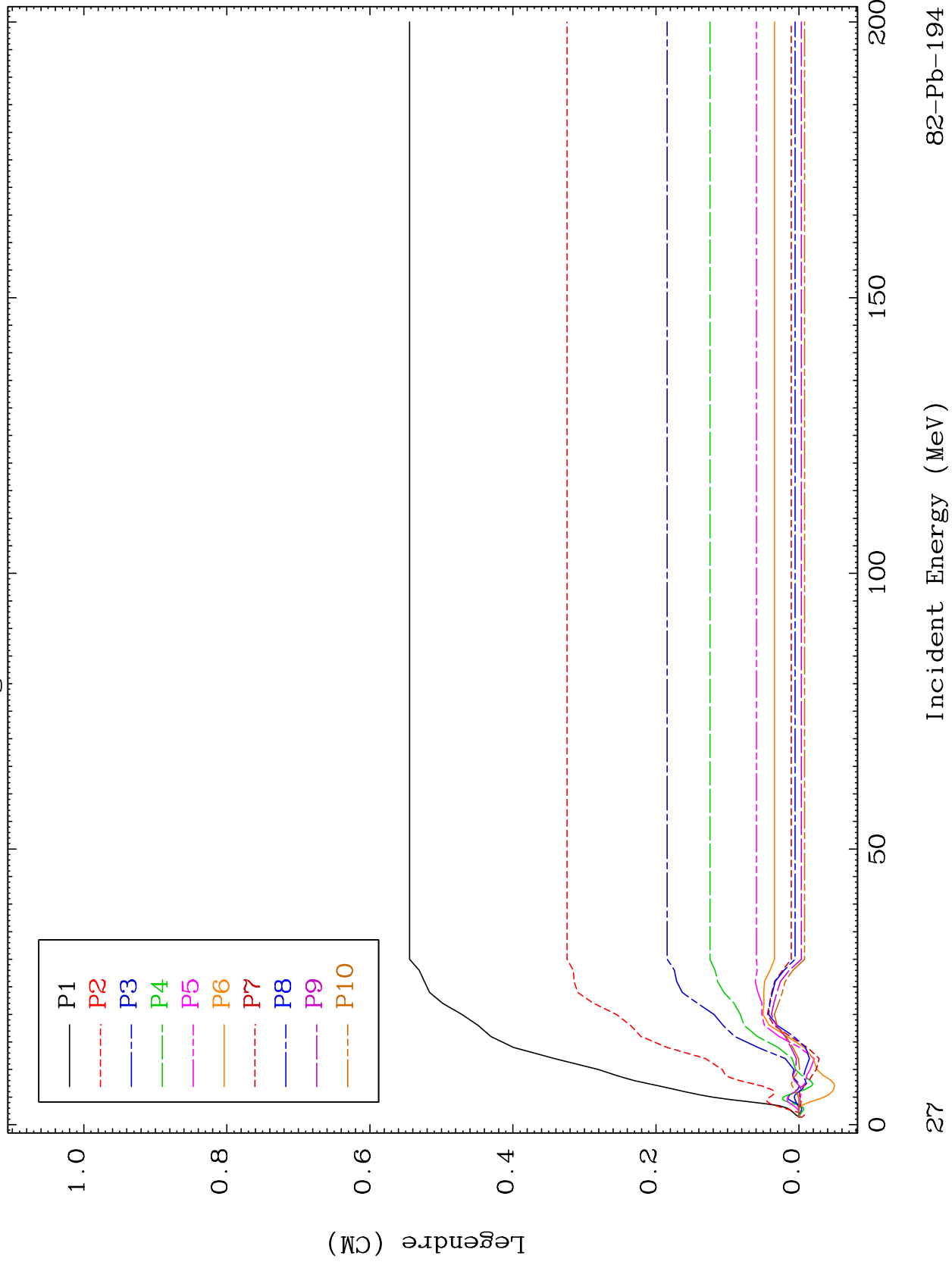


26

MAT 8195

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

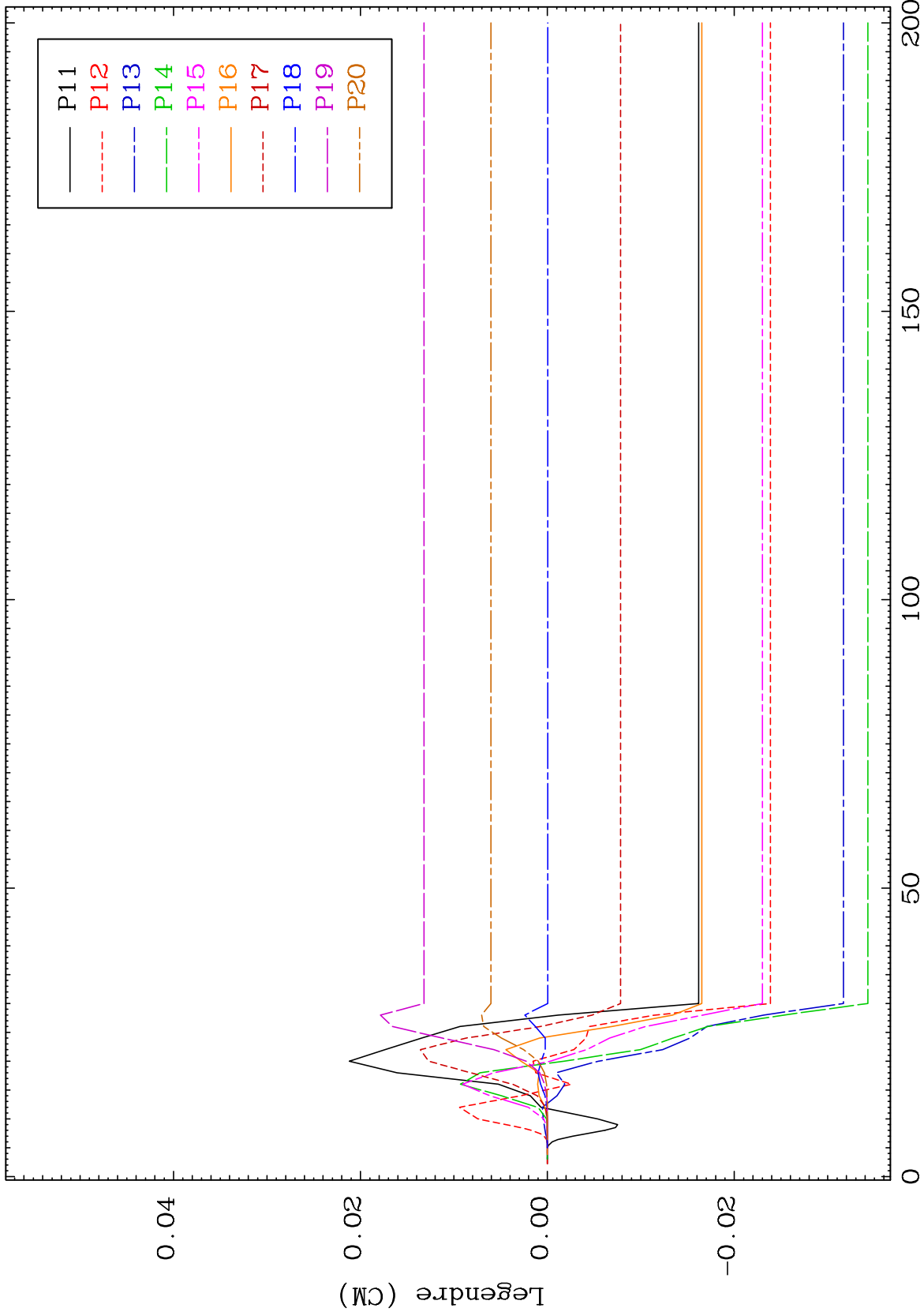
82-Pb-194



MAT 8195

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

82-Pb-194



28

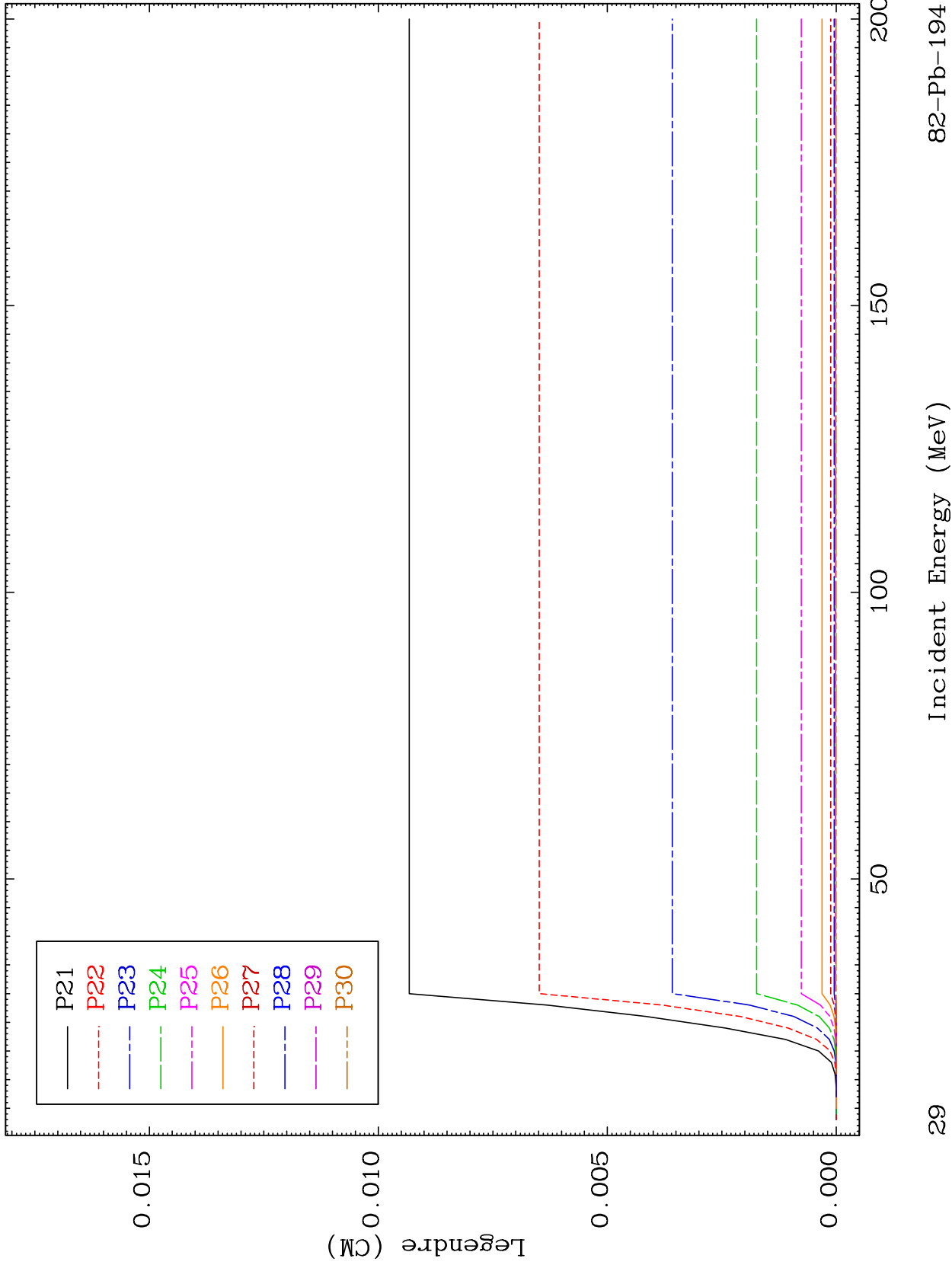
Incident Energy (MeV)

82-Pb-194

MAT 8195

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

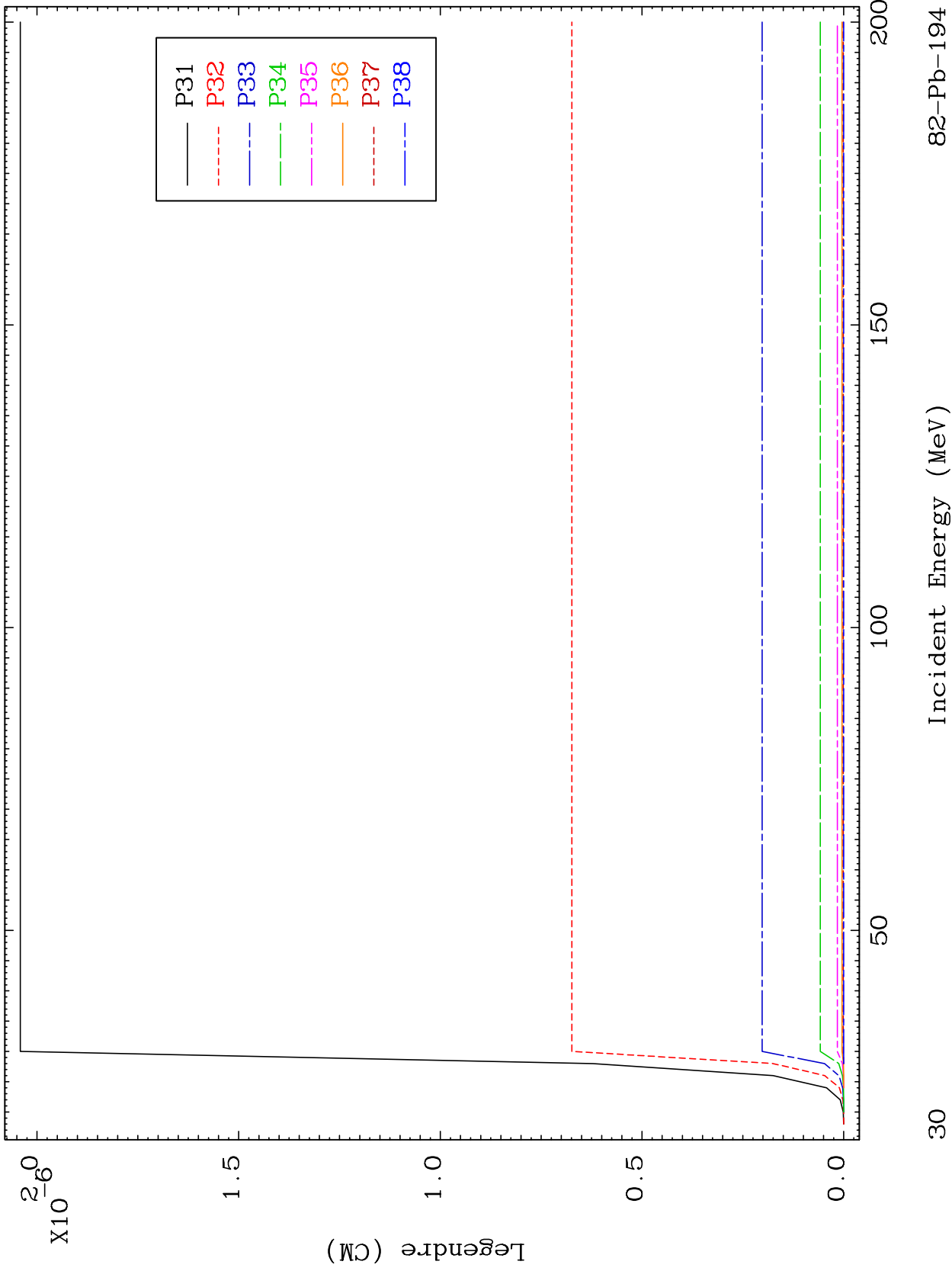
82-Pb-194



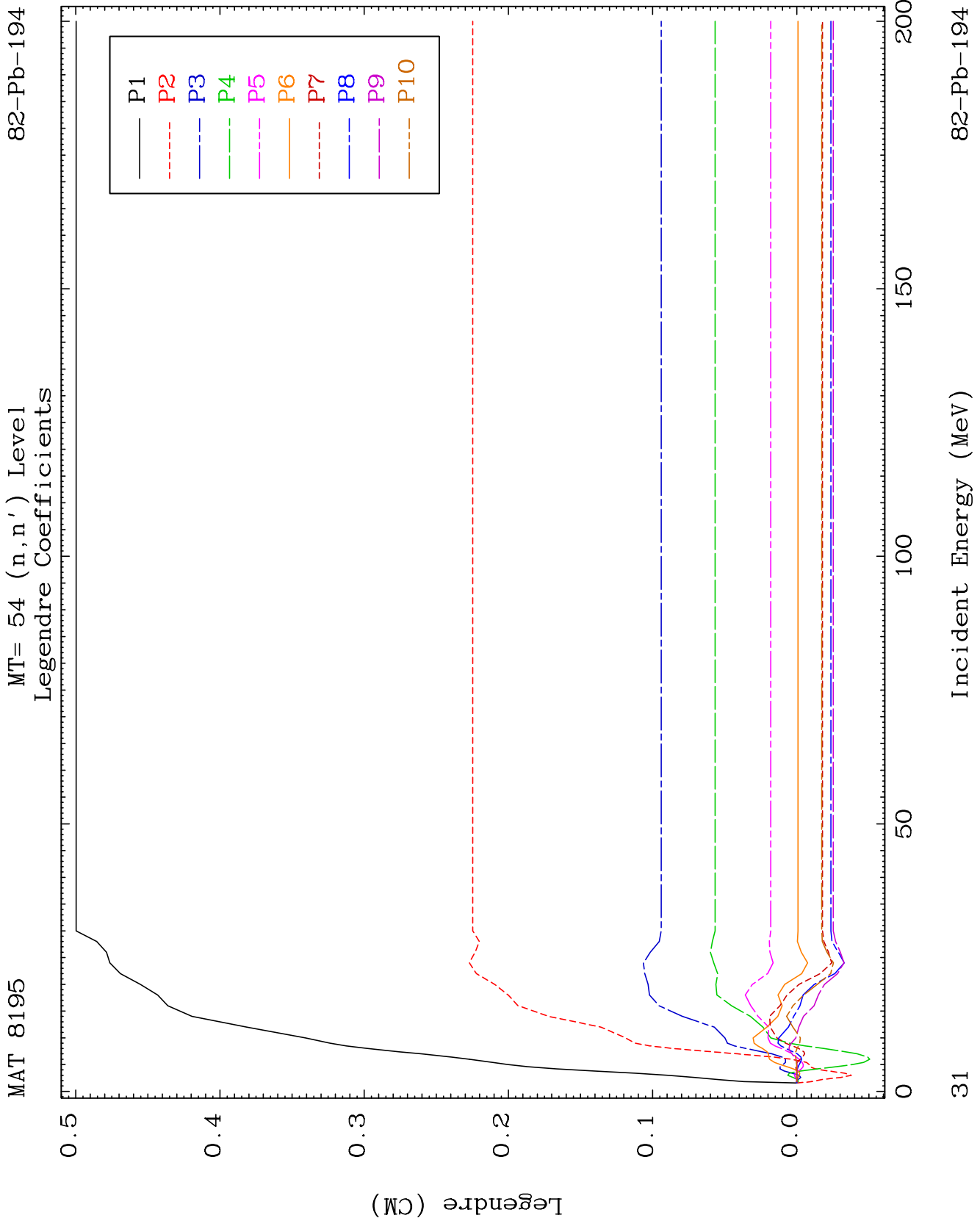
MAT 8195

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

82-Pb-194



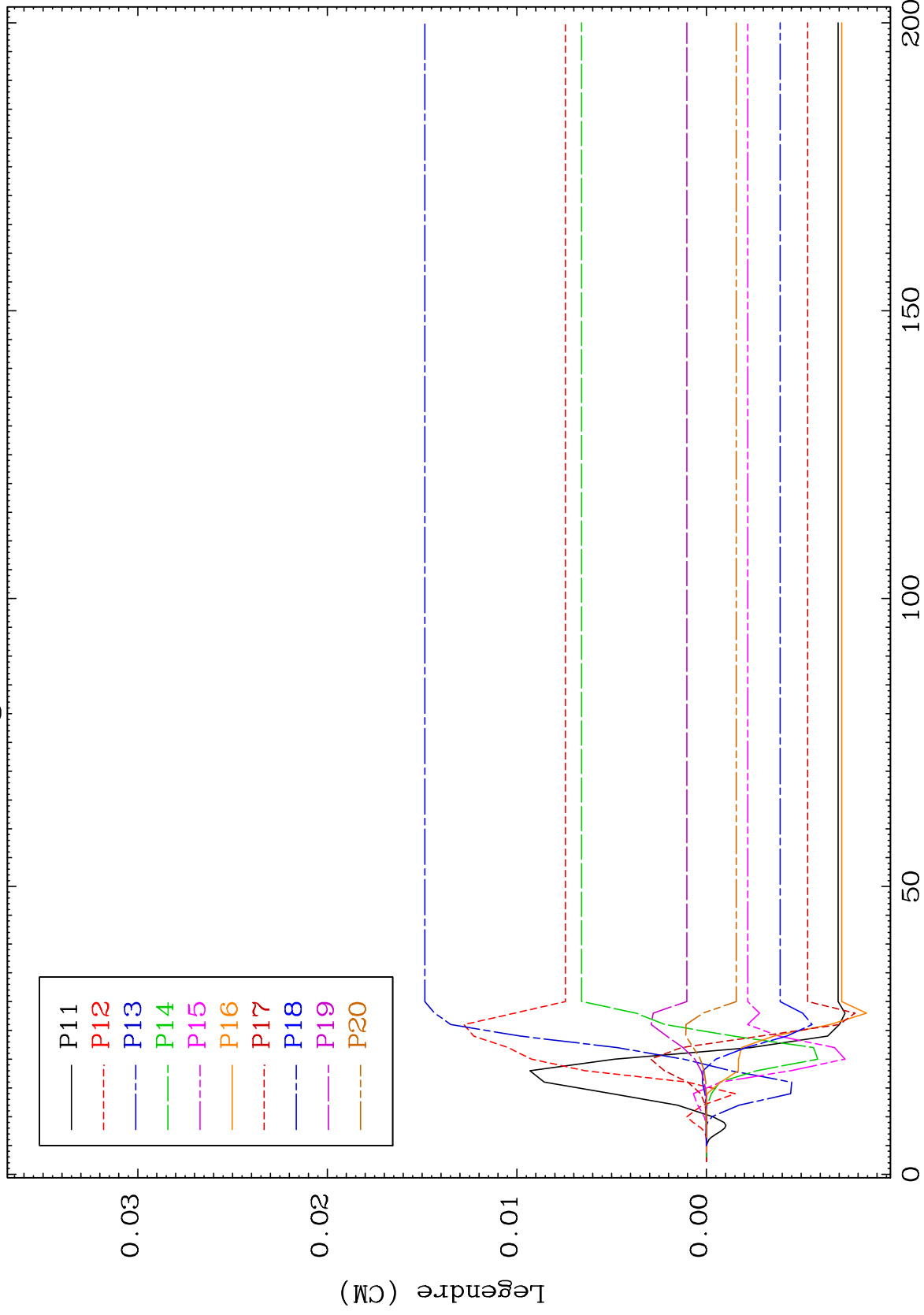
82-Pb-194



MAT 8195

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

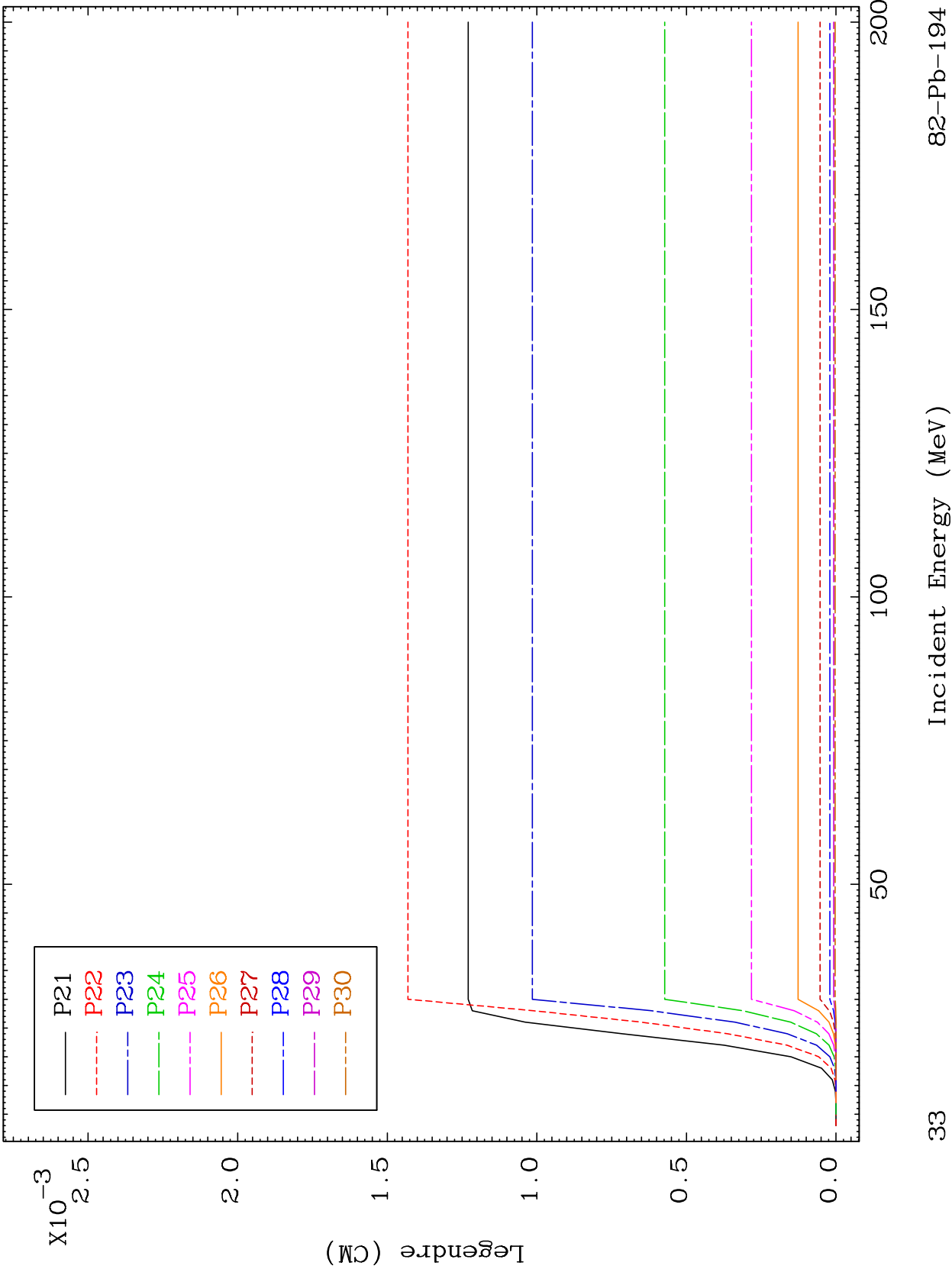
82-Pb-194



32

Incident Energy (MeV)

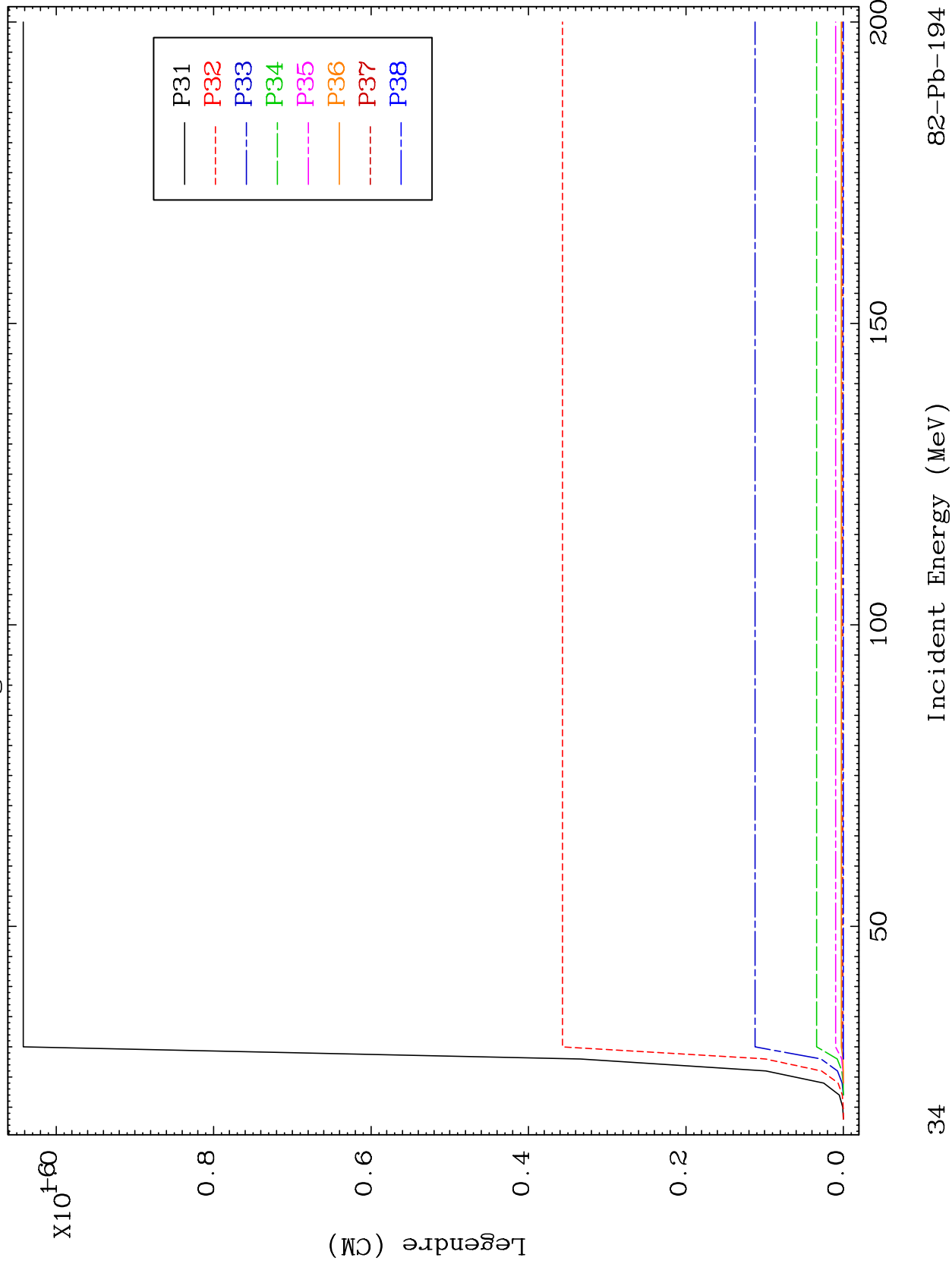
82-Pb-194

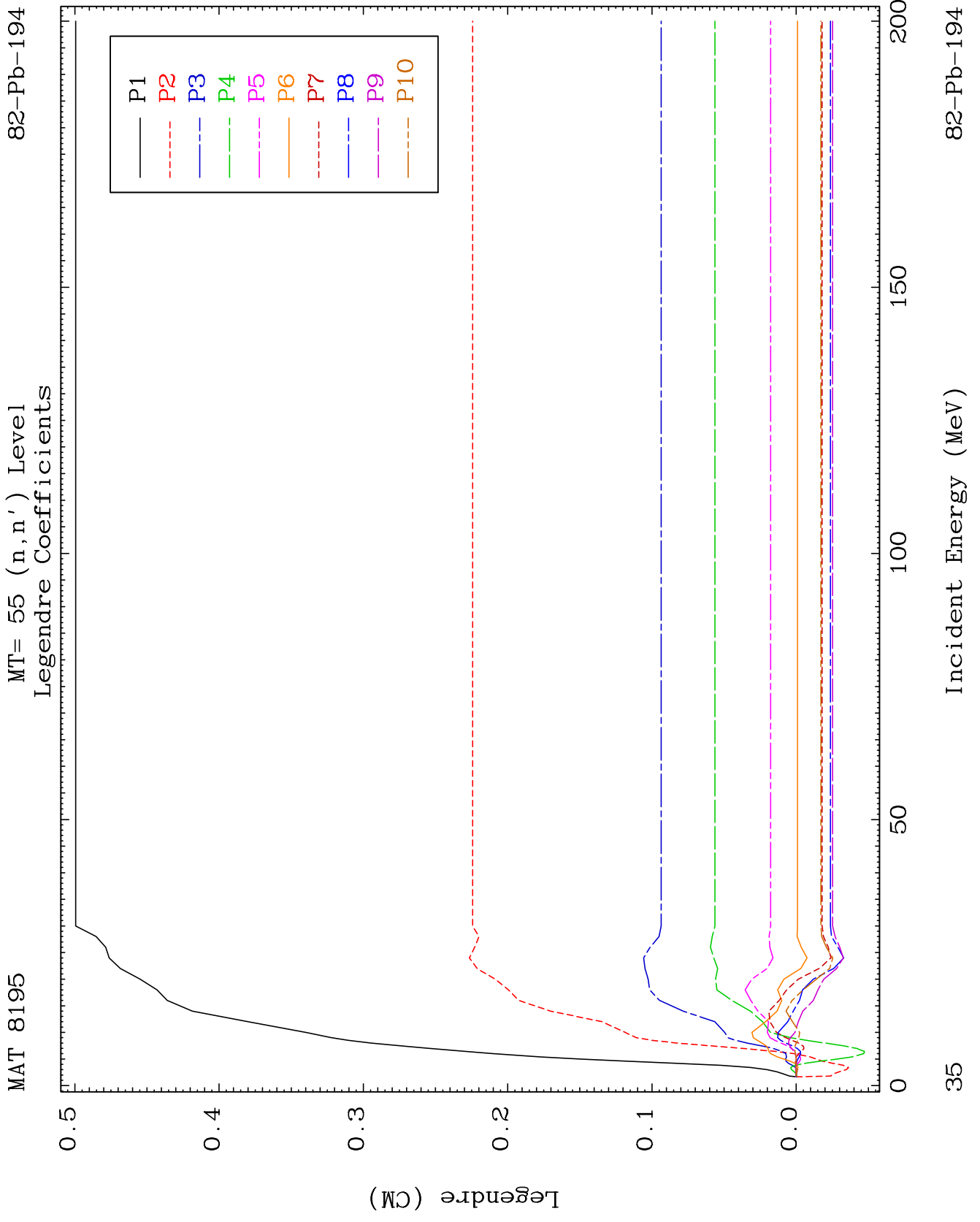


MAT 8195

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

82-Pb-194

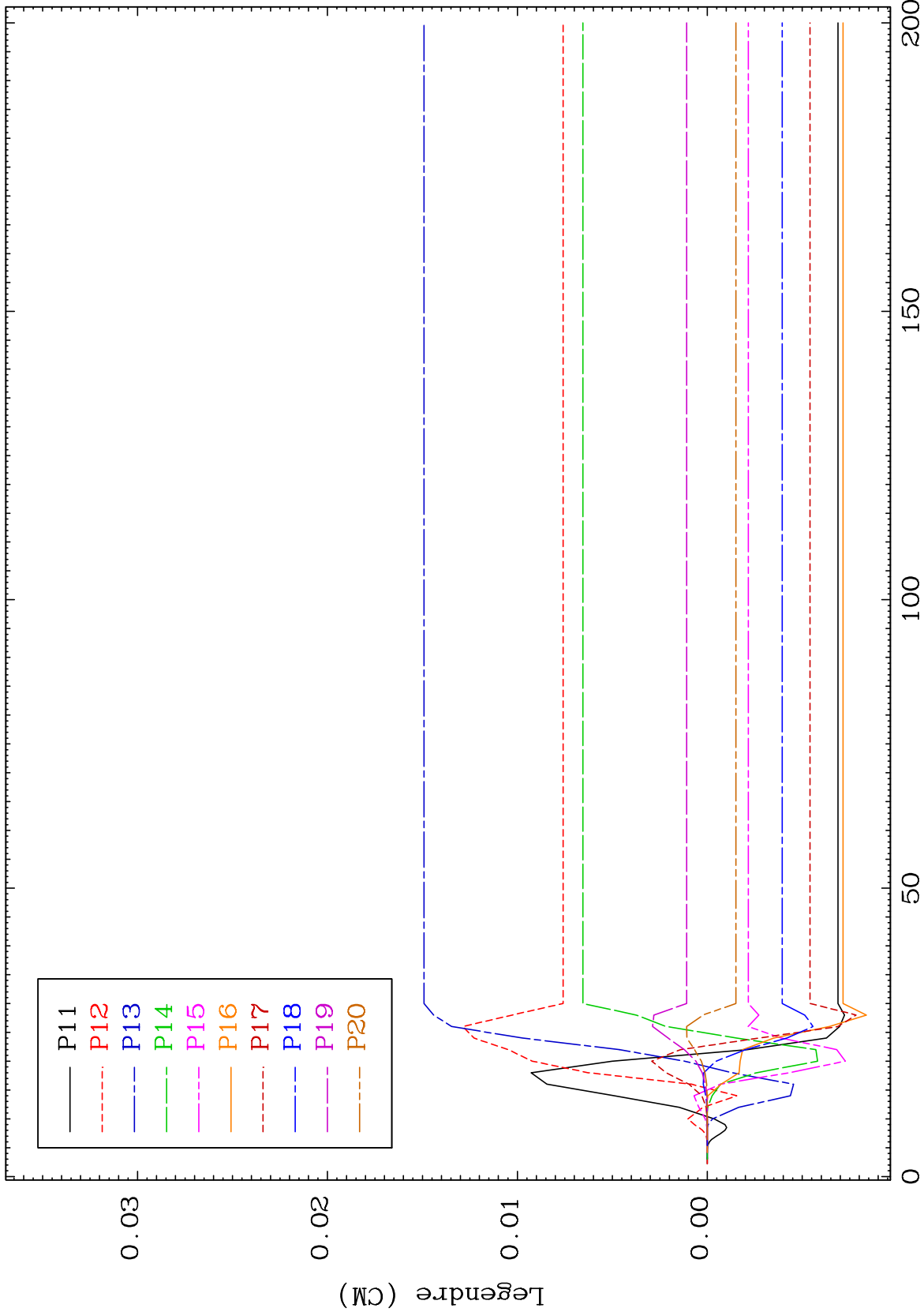




MAT 8195

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

82-Pb-194



36

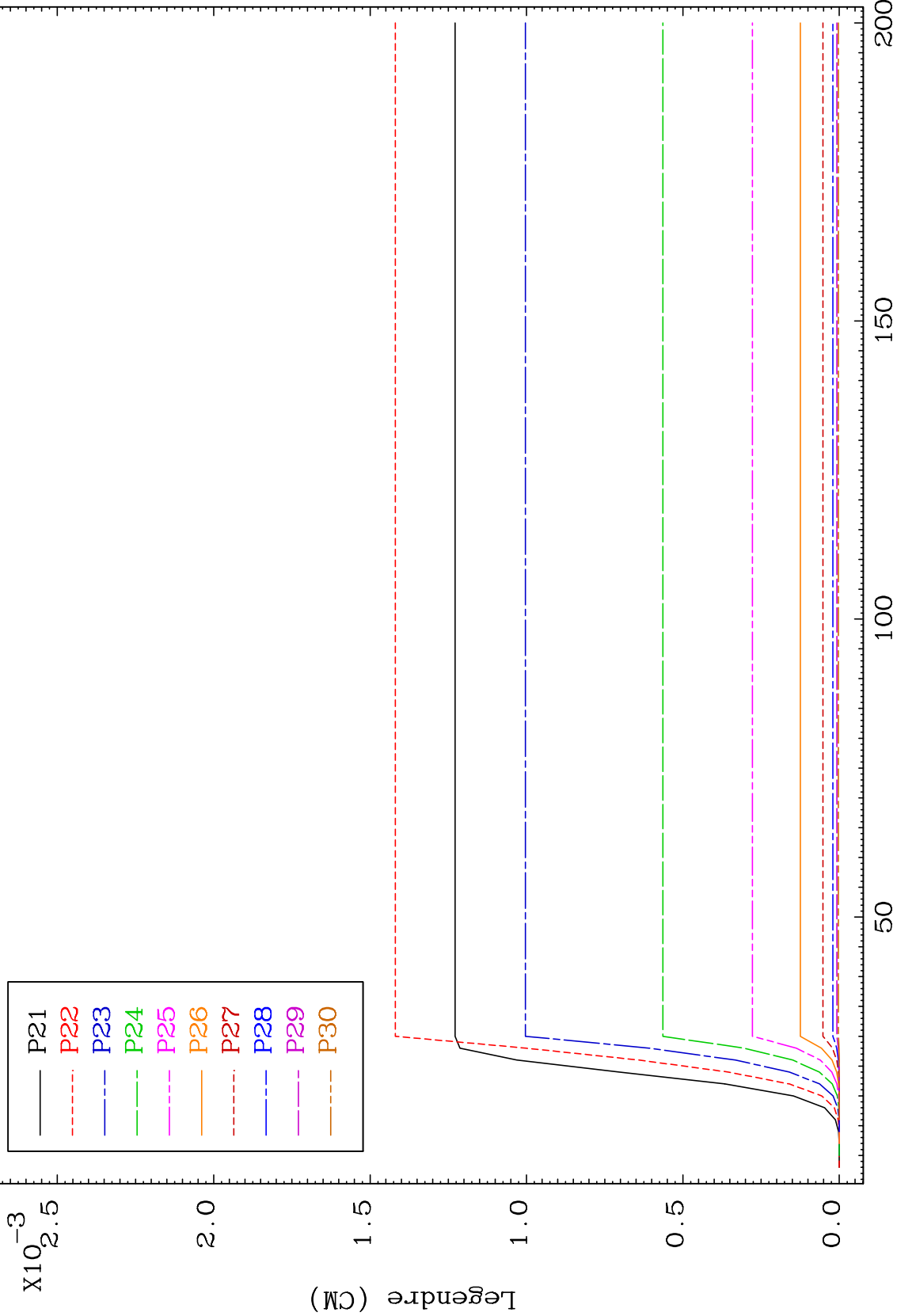
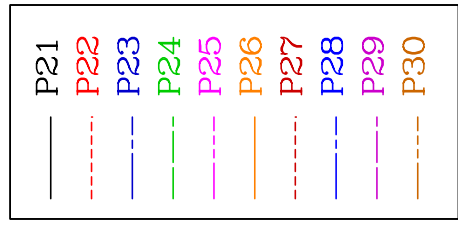
Incident Energy (MeV)

82-Pb-194

MAT 8195

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

82-Pb-194



37

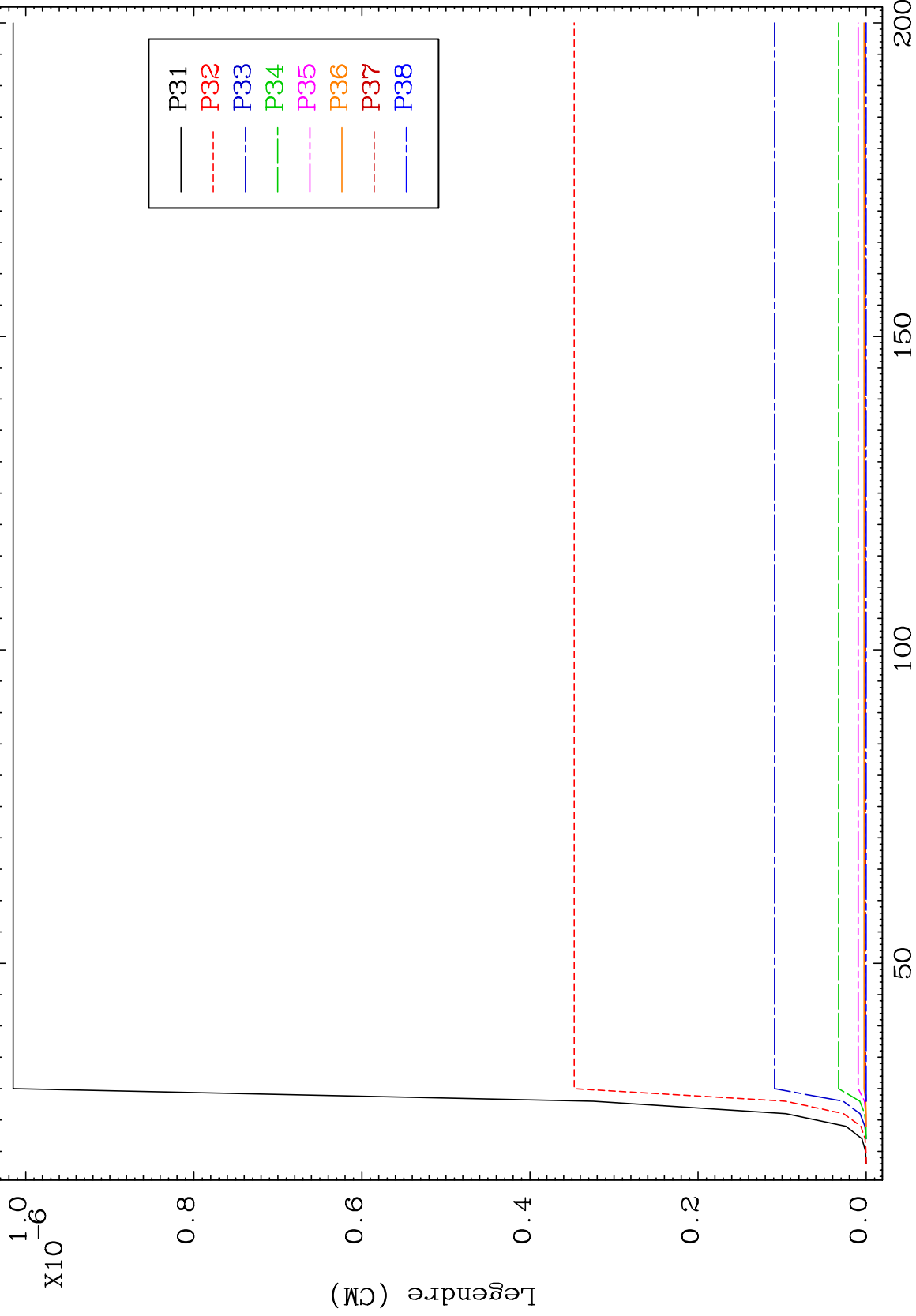
Incident Energy (MeV)

82-Pb-194

MAT 8195

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

82-Pb-194



38

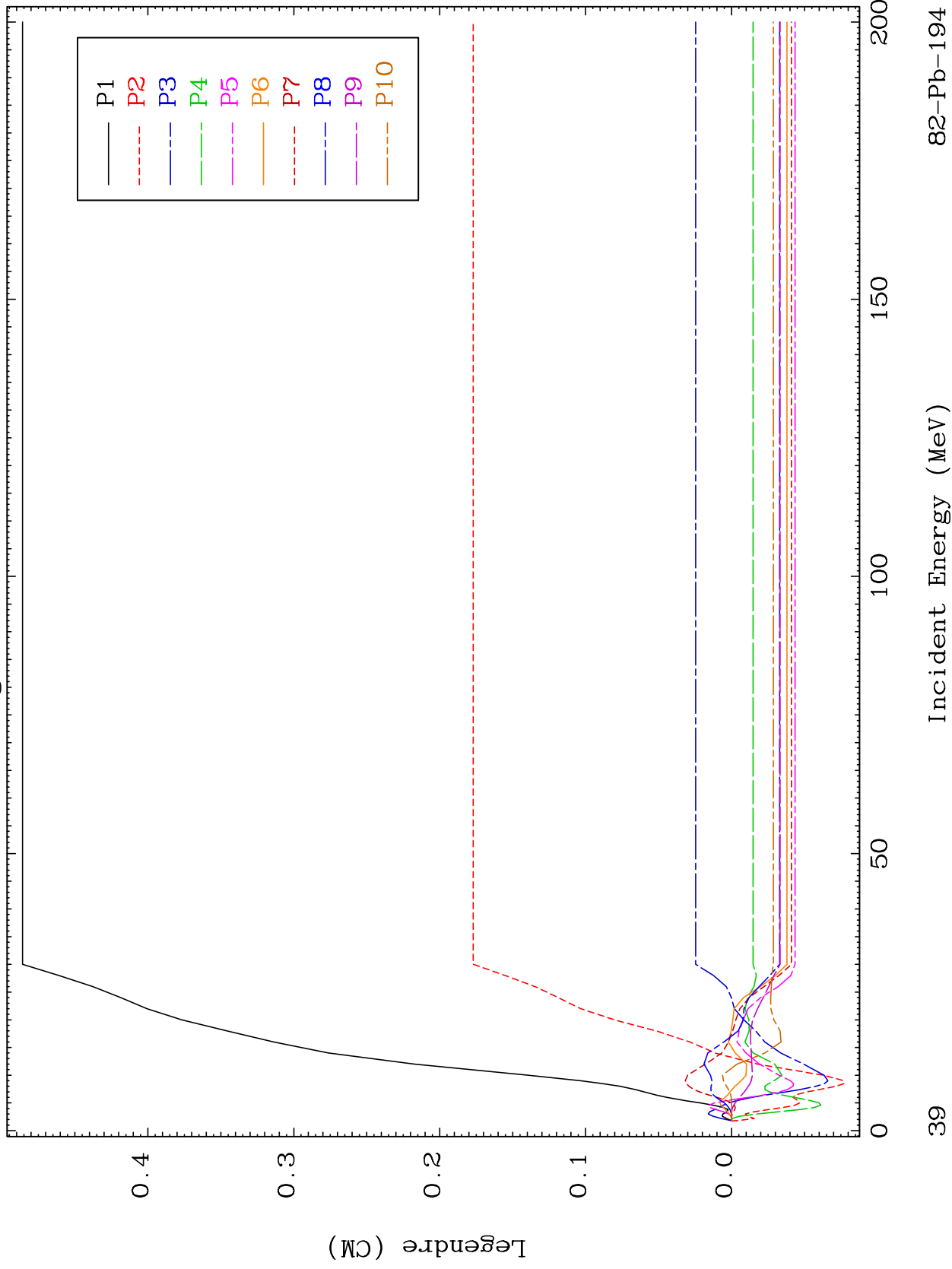
Incident Energy (MeV)

82-Pb-194

MAT 8195

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

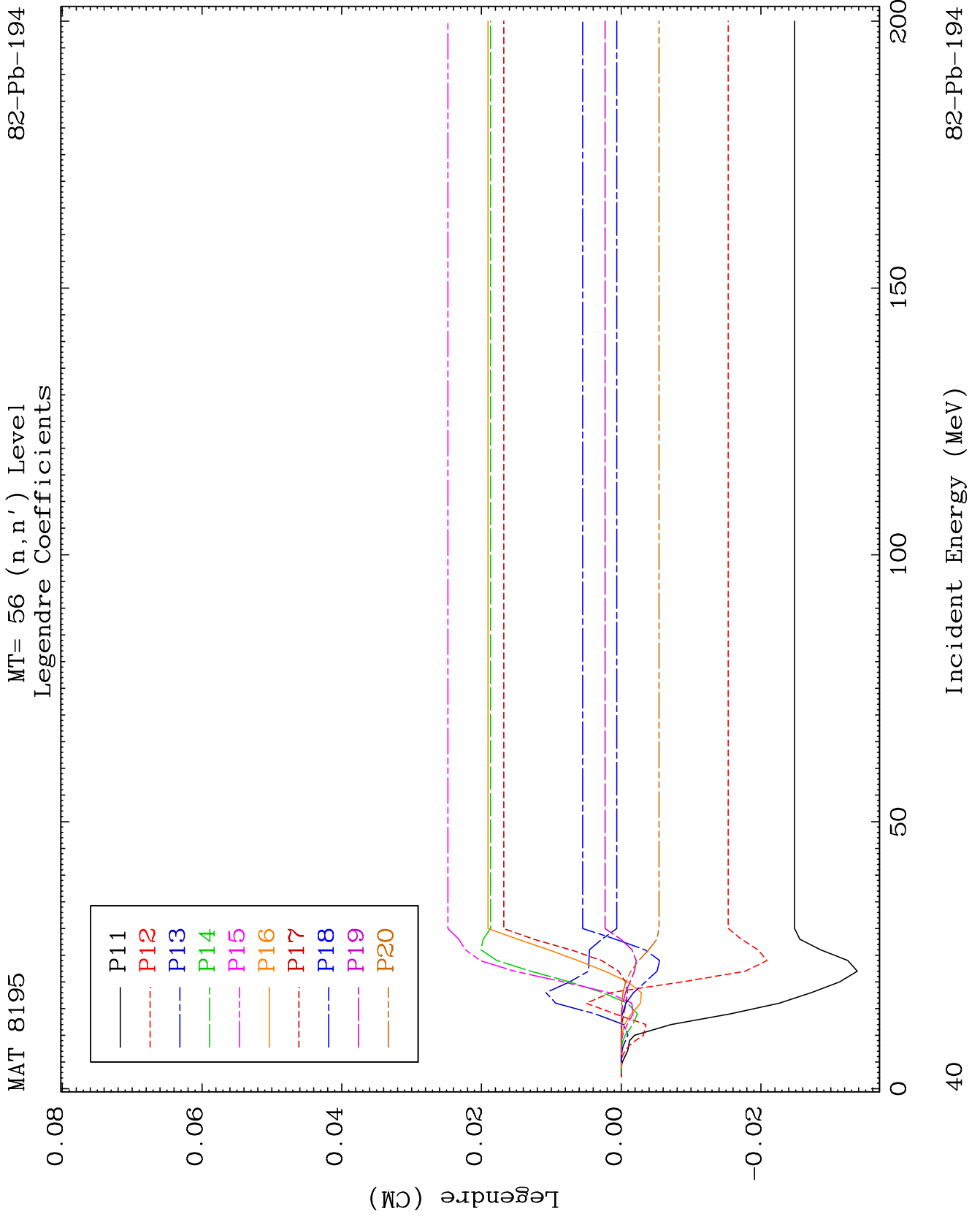
82-Pb-194

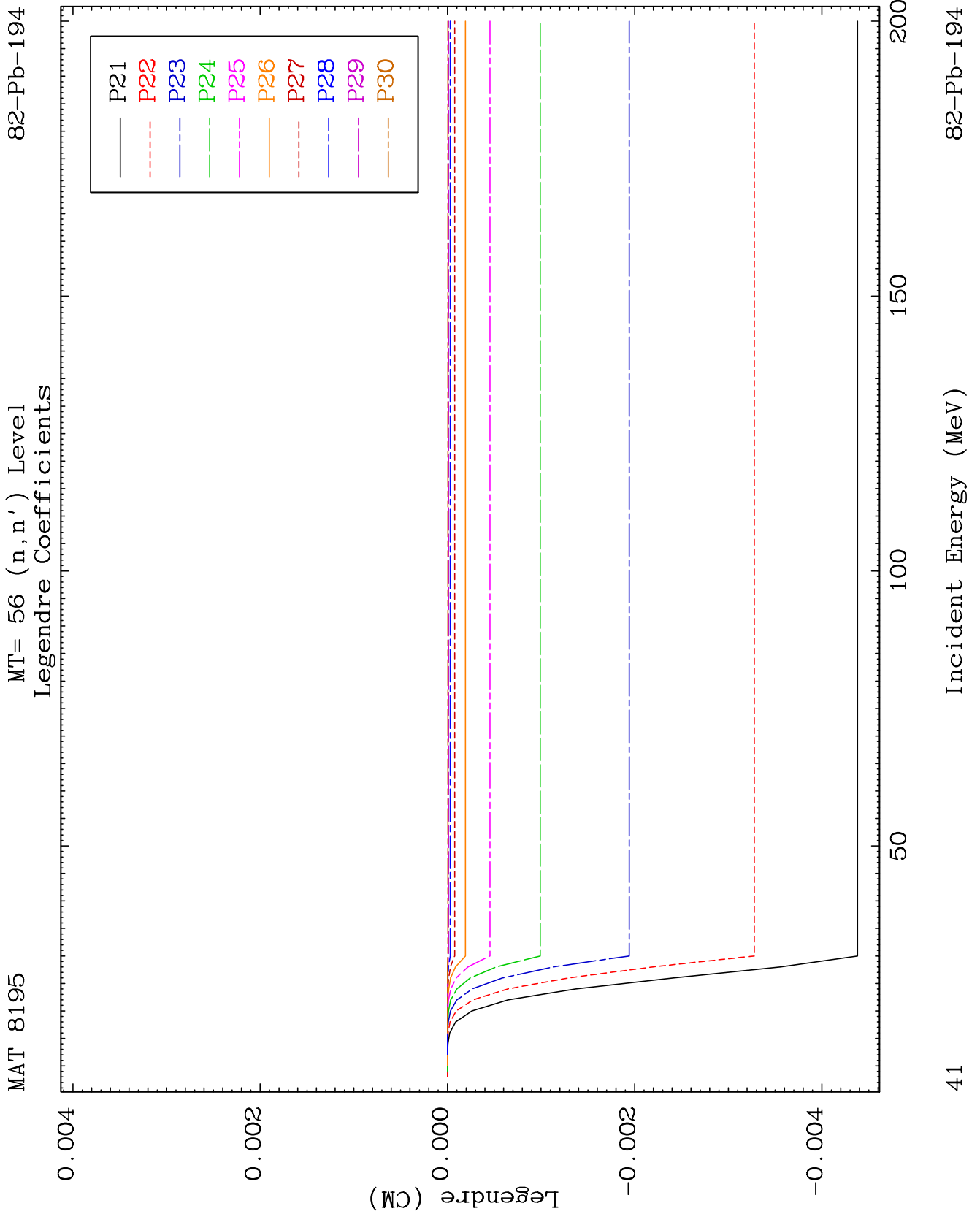


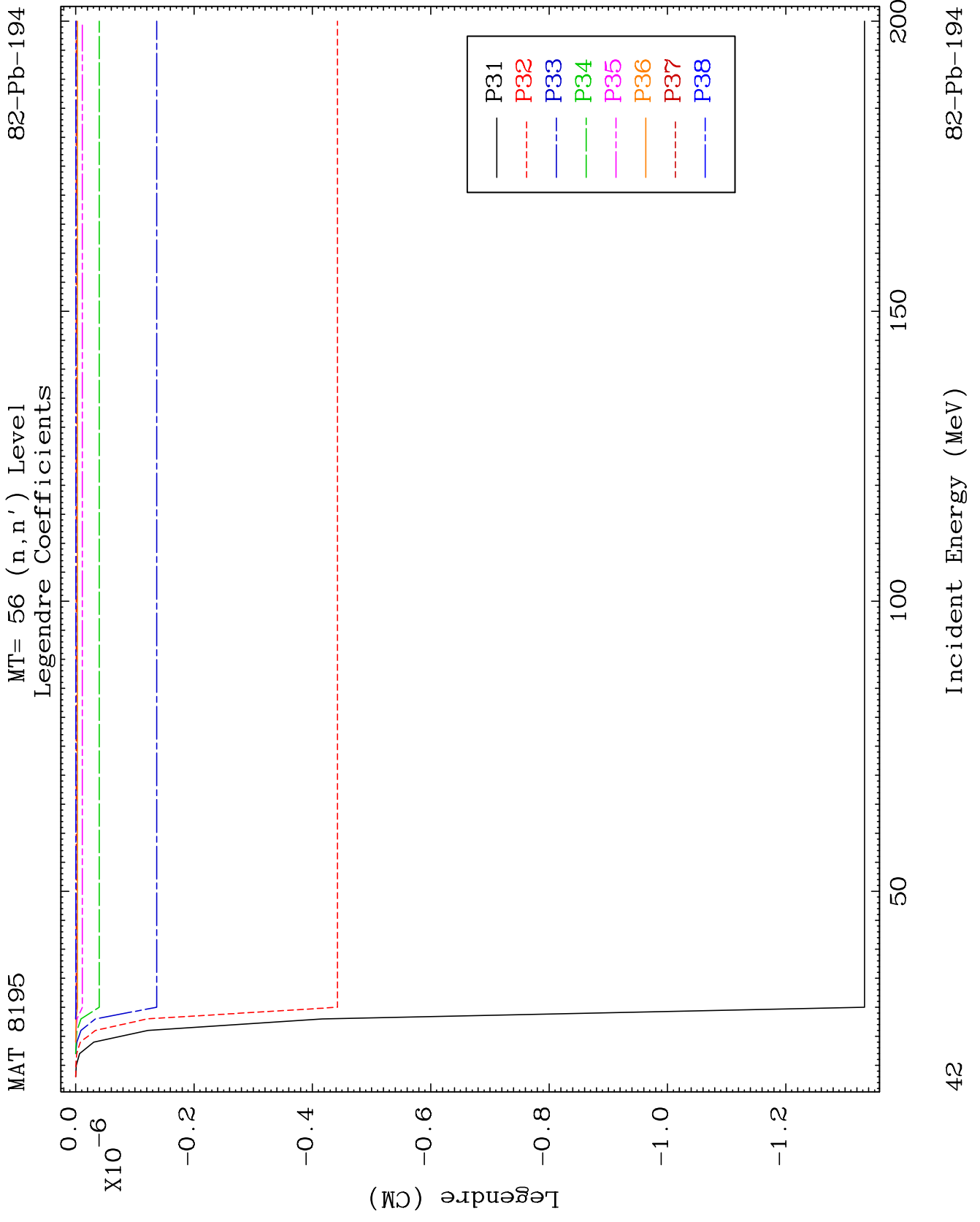
82-Pb-194

Incident Energy (MeV)

39





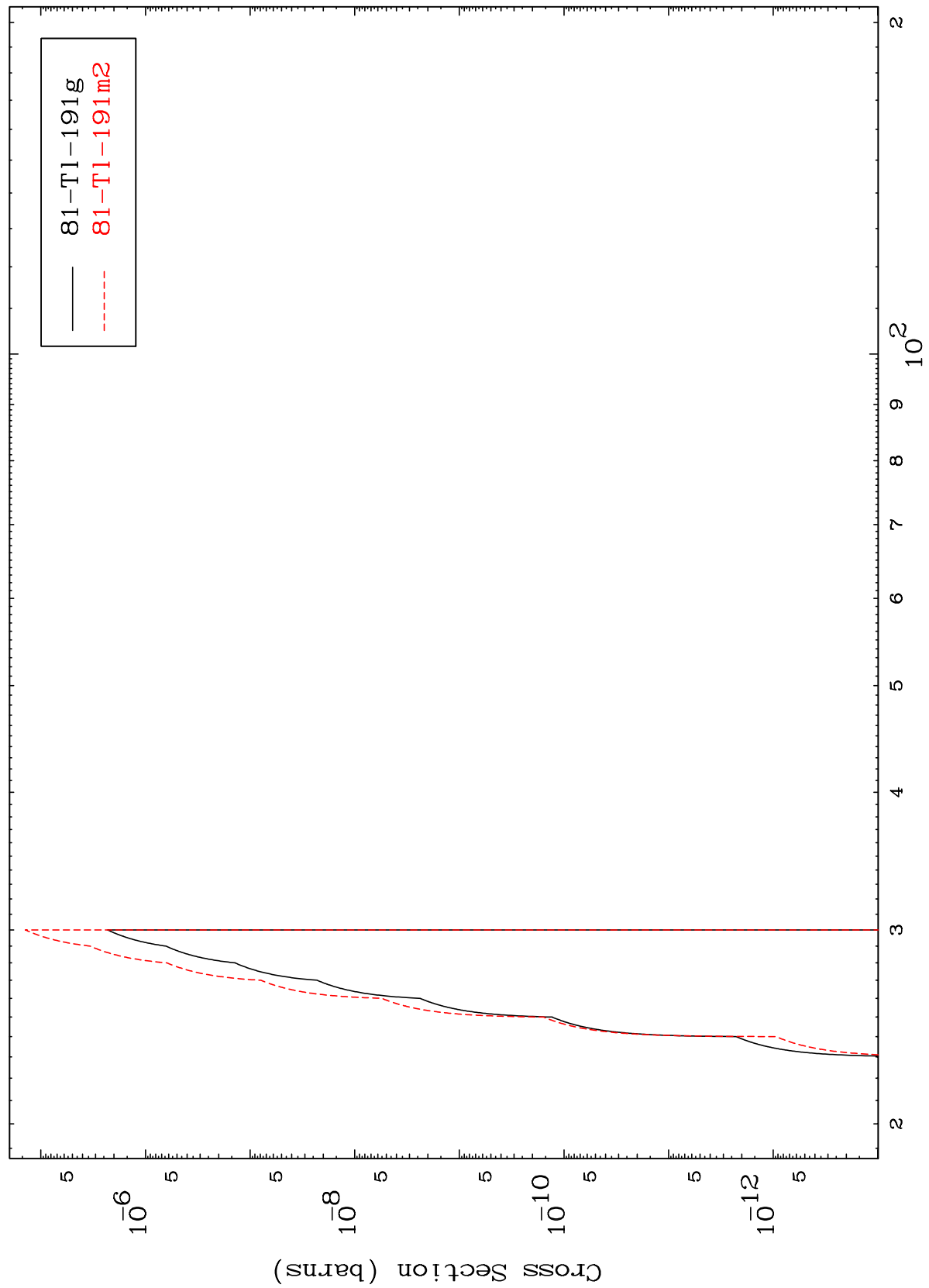


MAT 8195

(n,2n) d

82-Pb-194

Radionuclide Production Cross Section



43

Incident Energy (MeV)

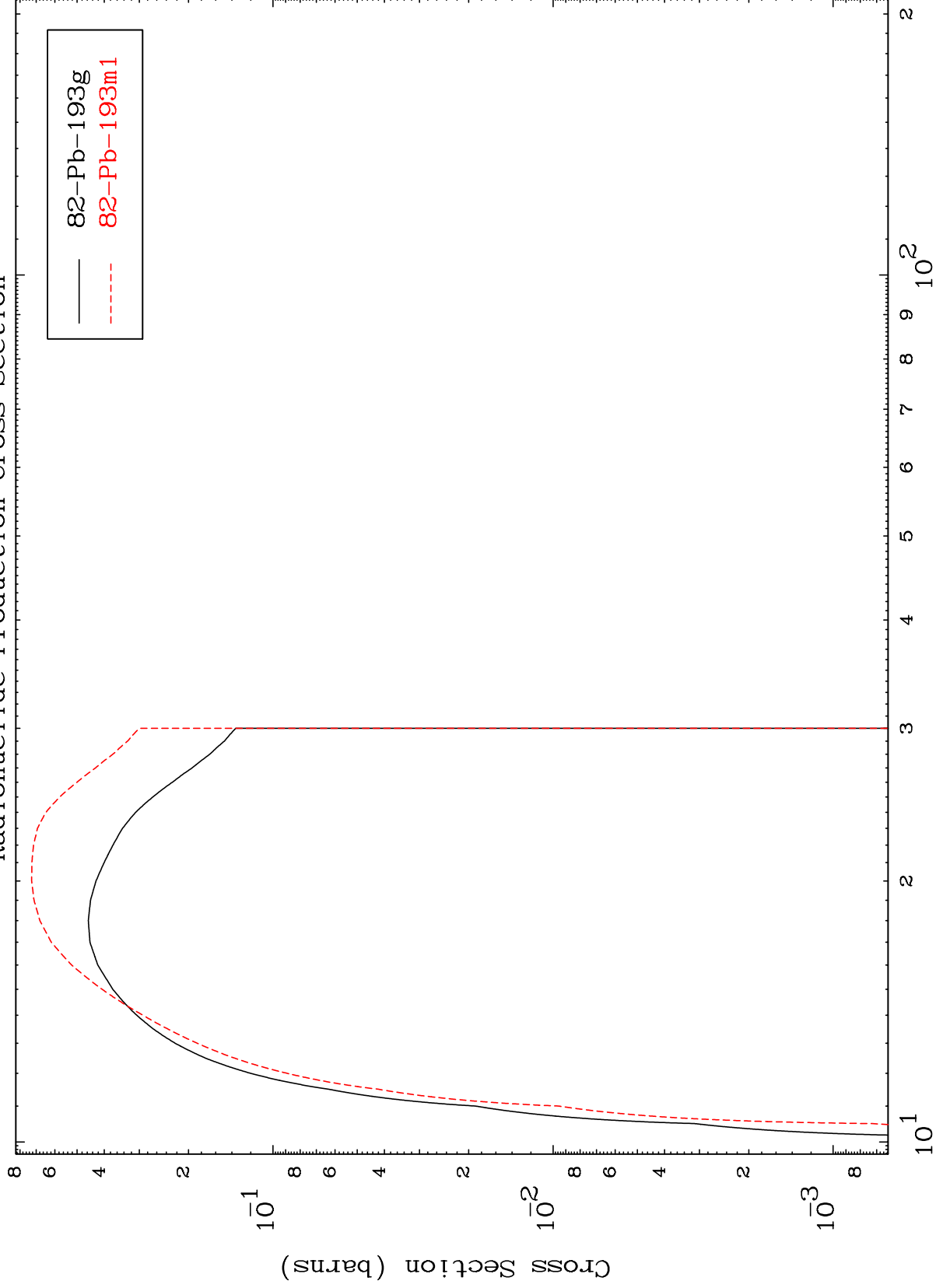
82-Pb-194

MAT 8195

(n,2n)

82-Pb-194

Radionuclide Production Cross Section



Incident Energy (MeV)

82-Pb-194

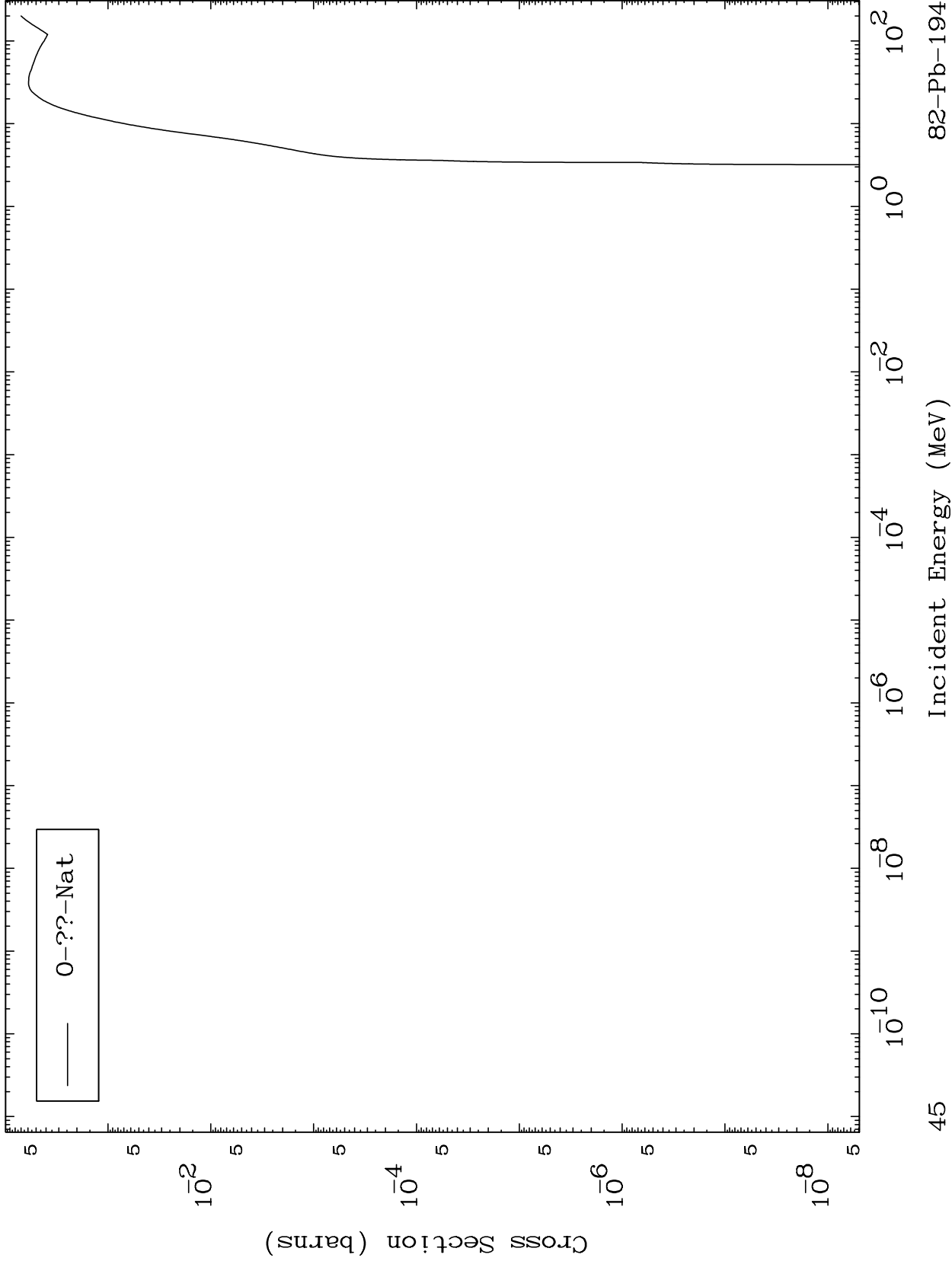
44

MAT 8195

Fission

82-Pb-194

Radionuclide Production Cross Section



45

Incident Energy (MeV)

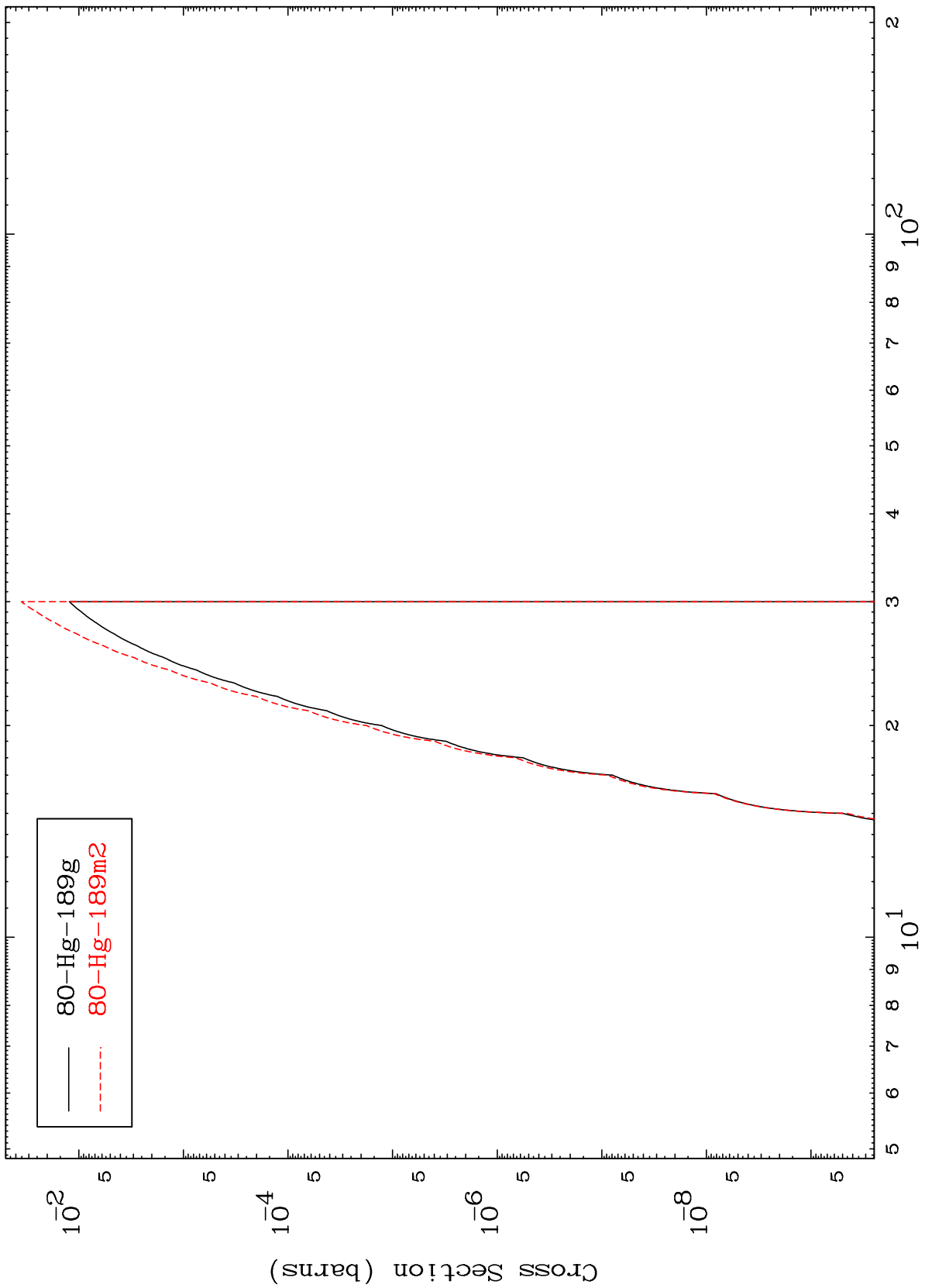
82-Pb-194

MAT 8195

(n,2n)  $\alpha$

82-Pb-194

Radionuclide Production Cross Section



46

Incident Energy (MeV)

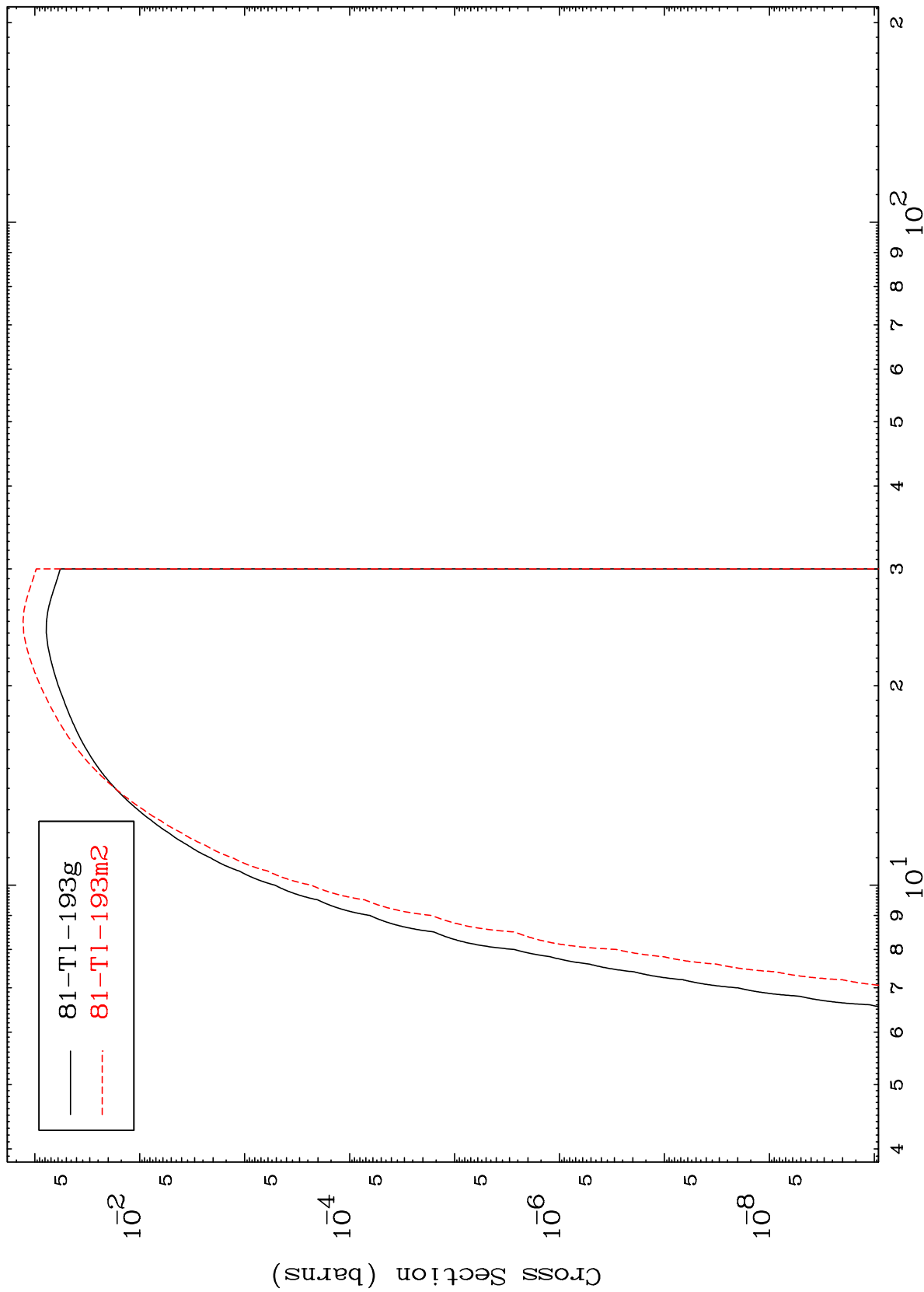
82-Pb-194

MAT 8195

(n,n') p

82-Pb-194

Radionuclide Production Cross Section



81-Tl-193g  
81-Tl-193m2

47

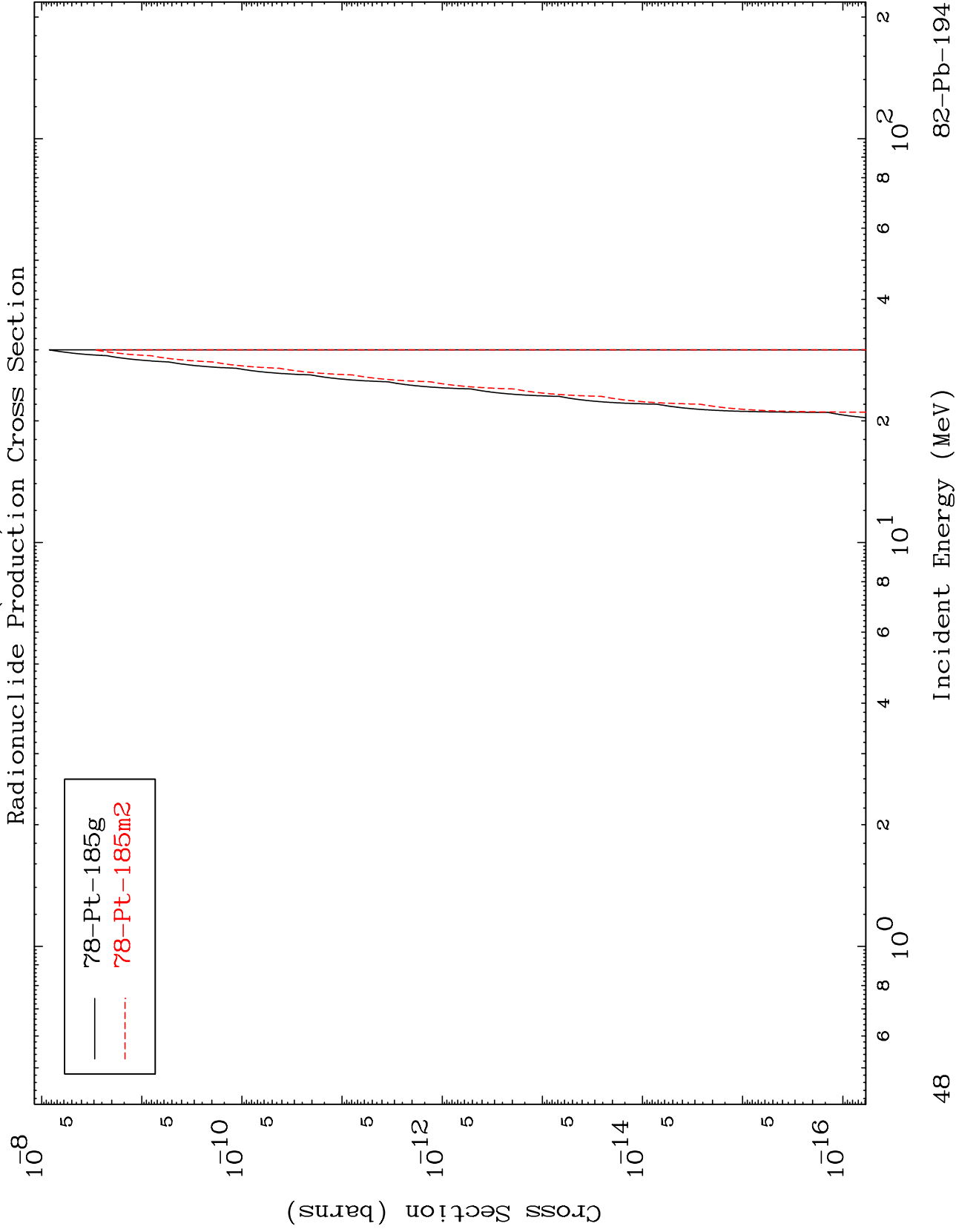
Incident Energy (MeV)

82-Pb-194

MAT 8195

(n,2n) 2 $\alpha$

82-Pb-194



48

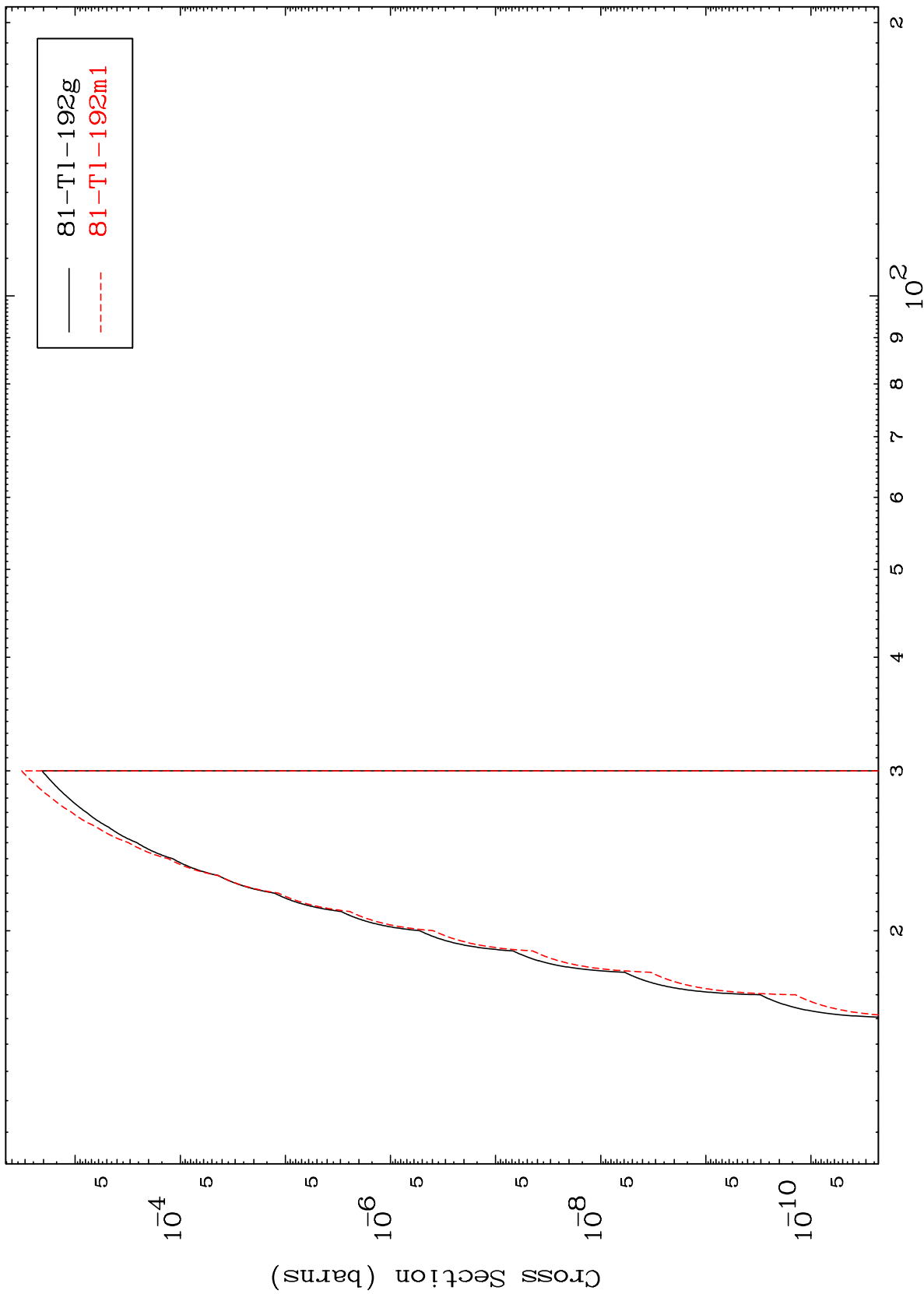
82-Pb-194

MAT 8195

(n,n') d

82-Pb-194

Radionuclide Production Cross Section



49

Incident Energy (MeV)

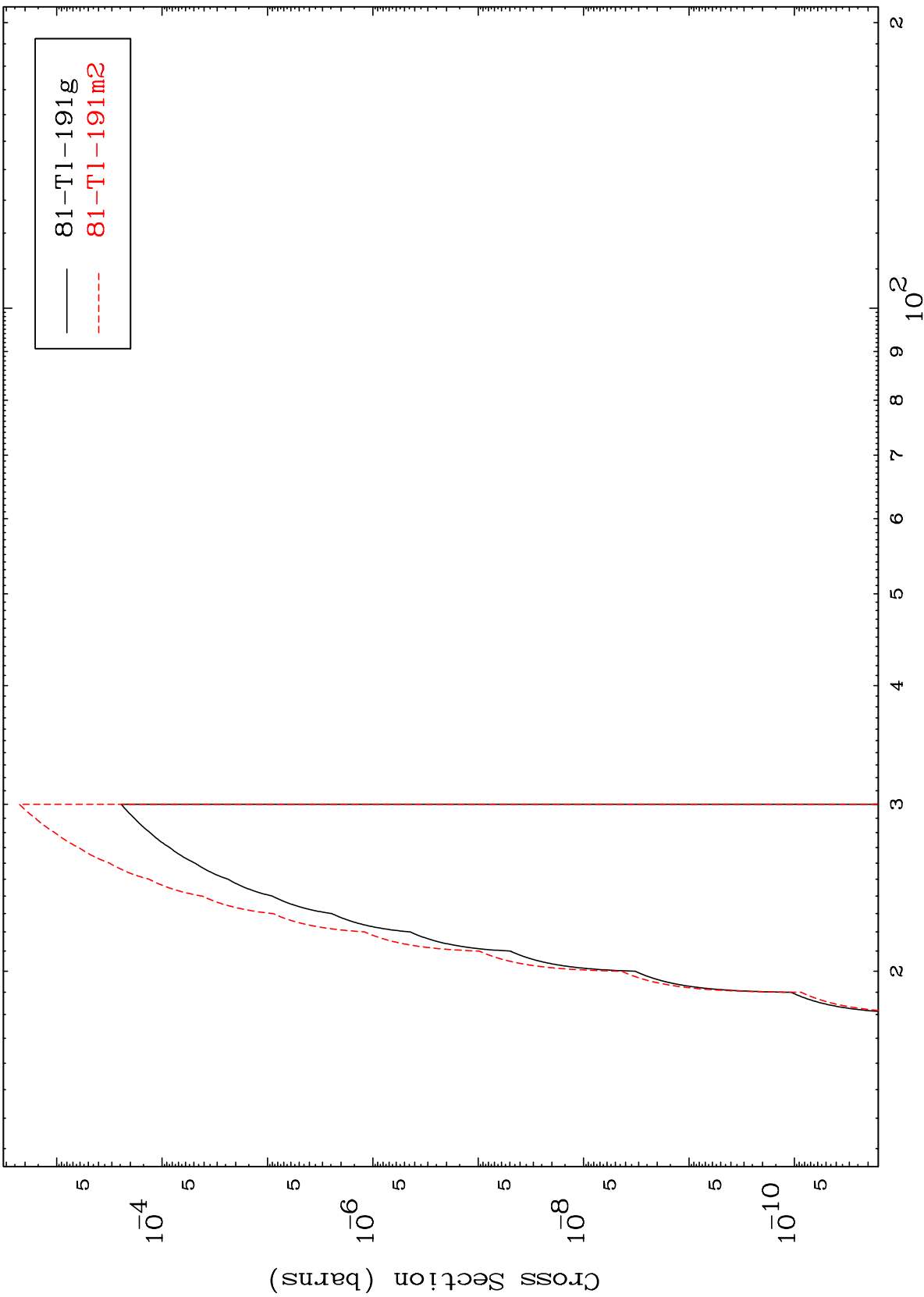
82-Pb-194

MAT 8195

(n,n') t

82-Pb-194

Radionuclide Production Cross Section



50

Incident Energy (MeV)

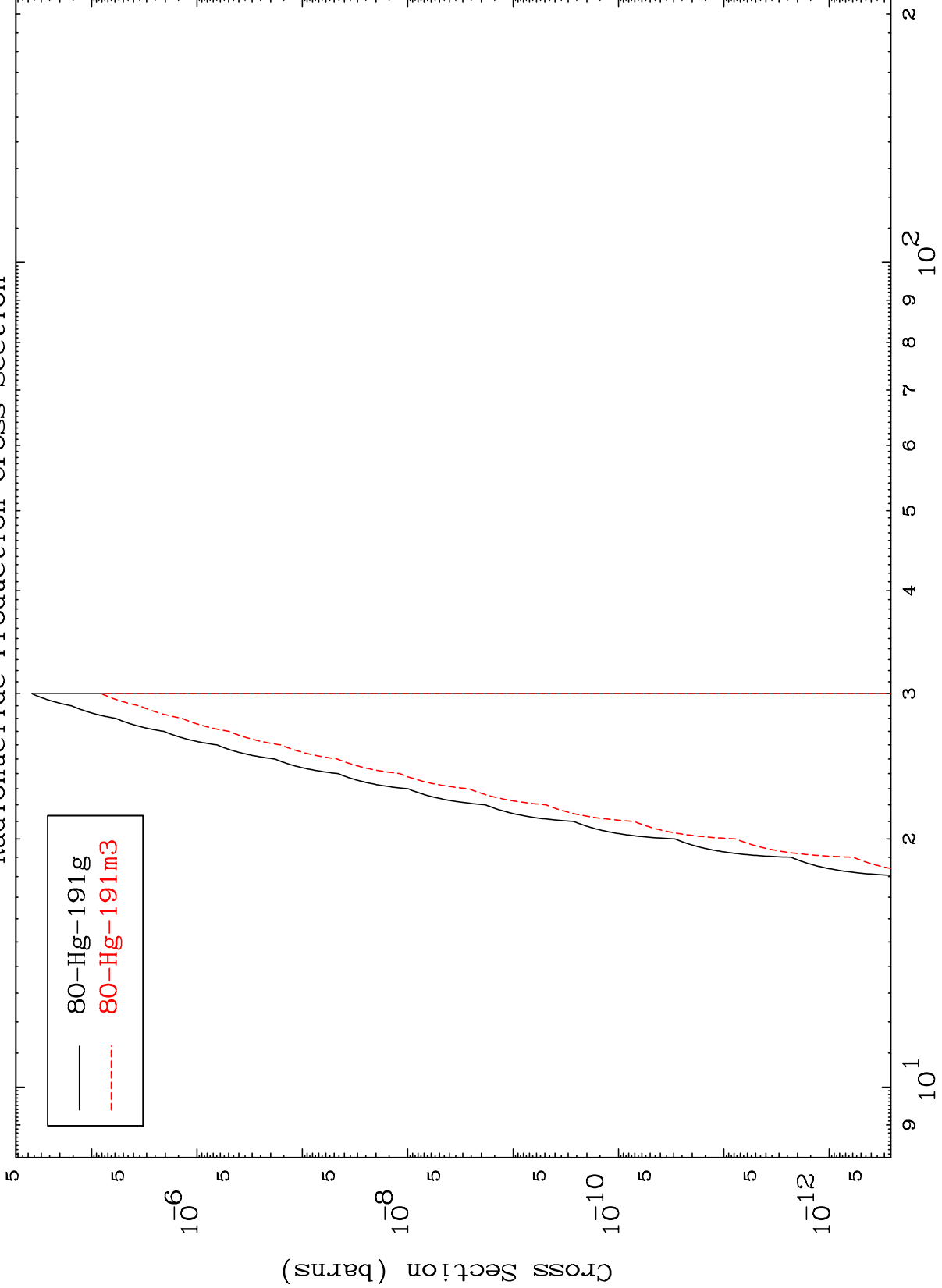
82-Pb-194

MAT 8195

(n,n') He-3

82-Pb-194

Radionuclide Production Cross Section



51

Incident Energy (MeV)

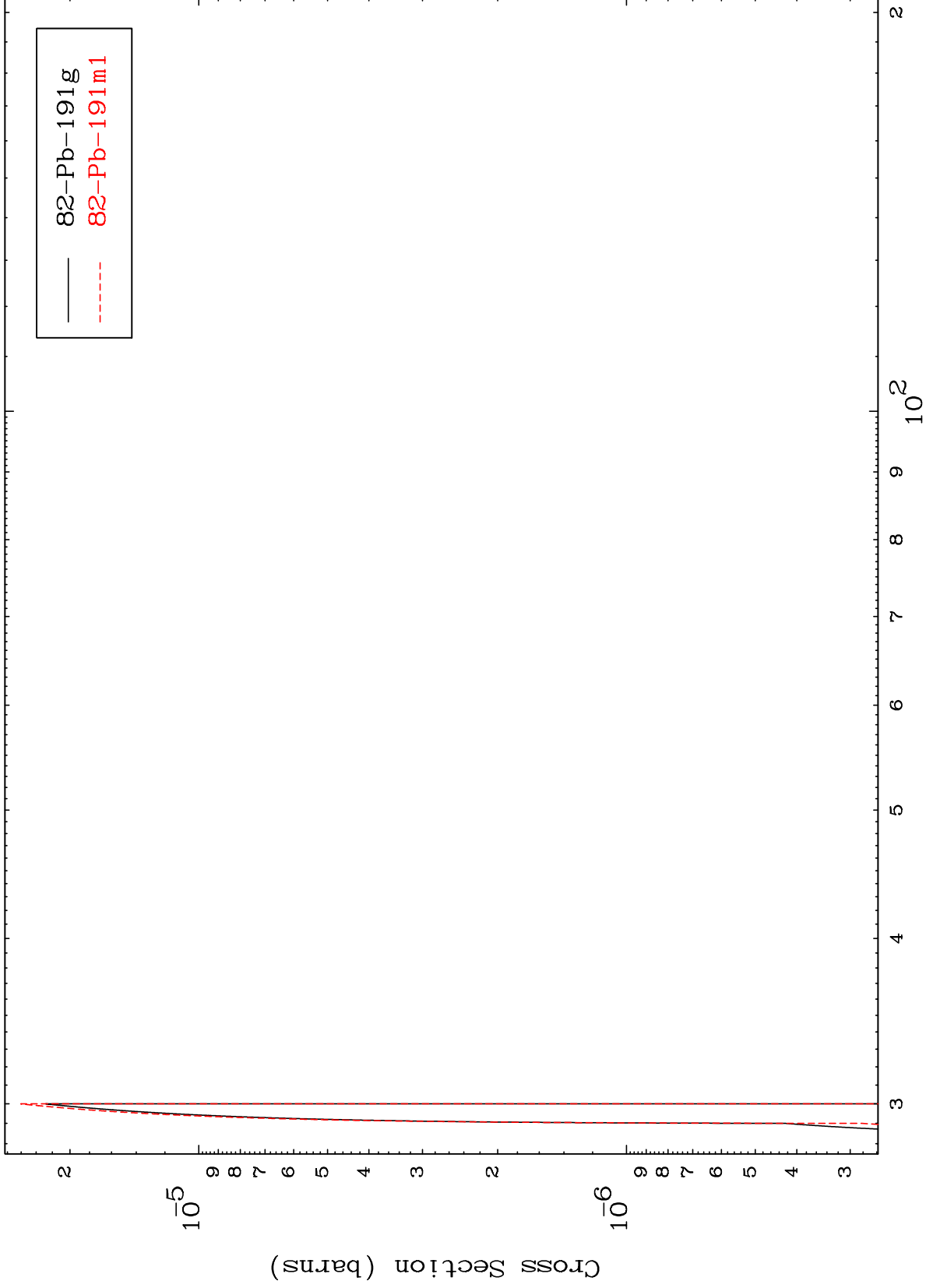
82-Pb-194

MAT 8195

(n,4n)

82-Pb-194

Radionuclide Production Cross Section



52

Incident Energy (MeV)

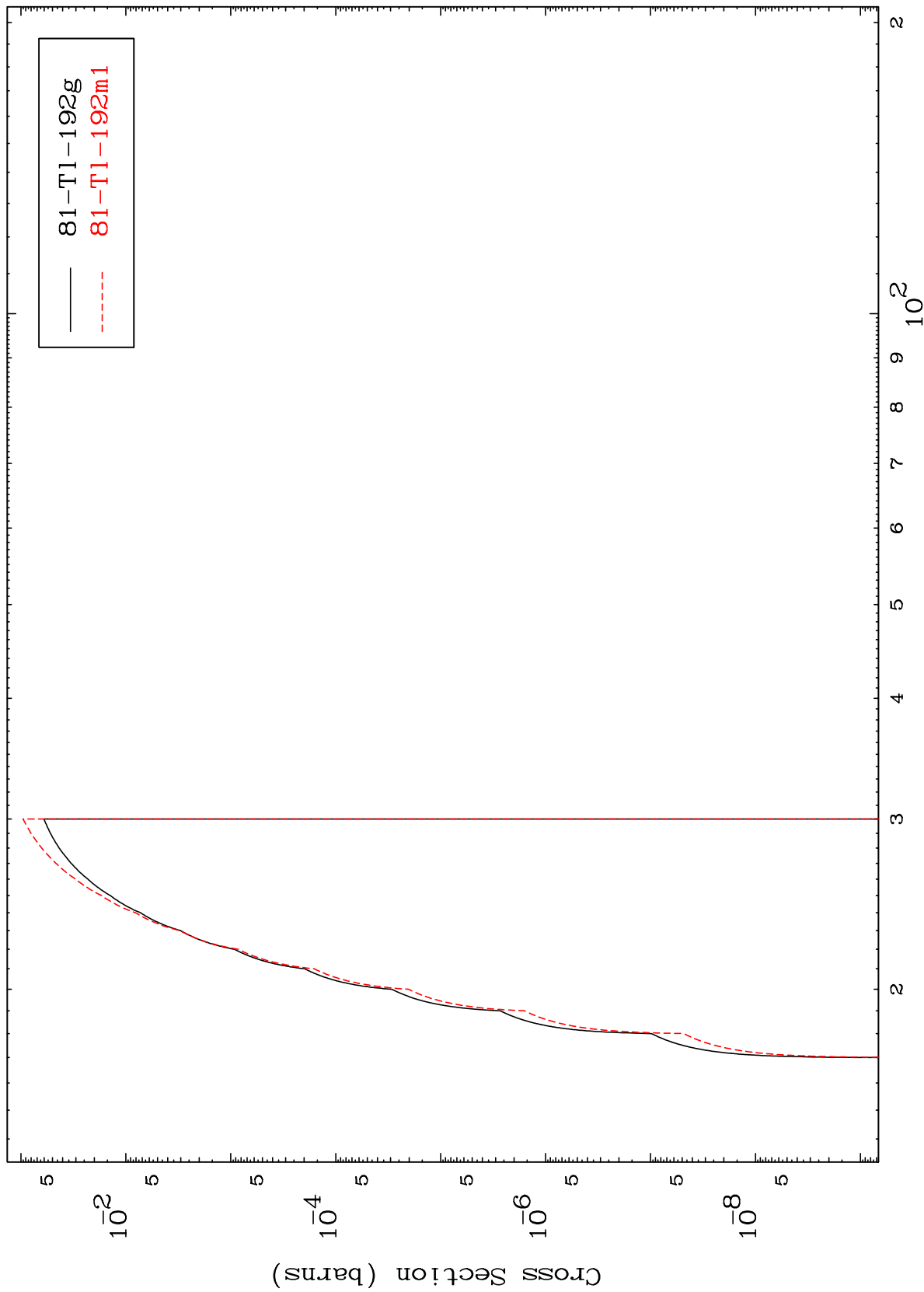
82-Pb-194

MAT 8195

(n,2n) p

82-Pb-194

Radionuclide Production Cross Section



53

Incident Energy (MeV)

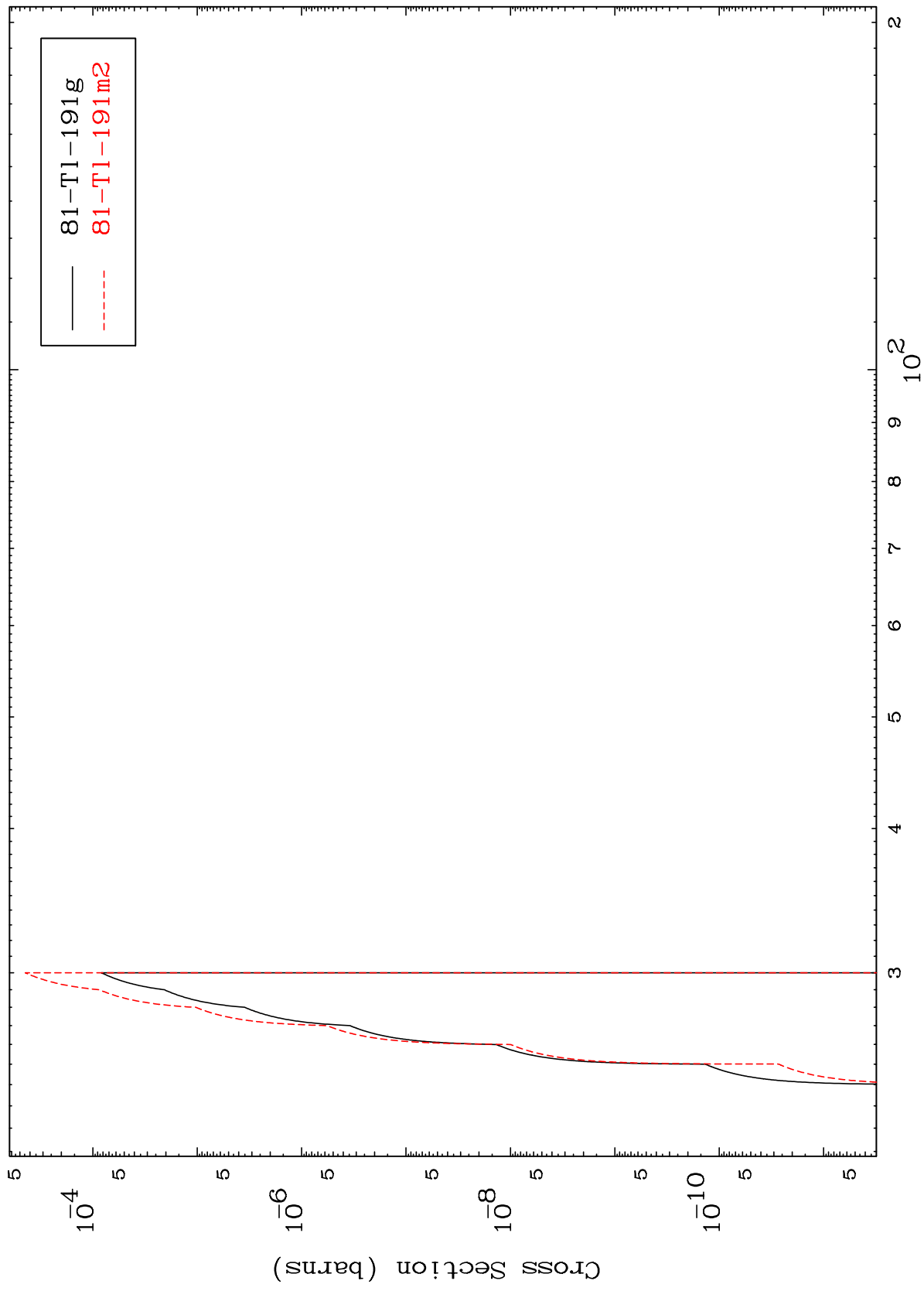
82-Pb-194

MAT 8195

(n,3n) p

82-Pb-194

Radionuclide Production Cross Section

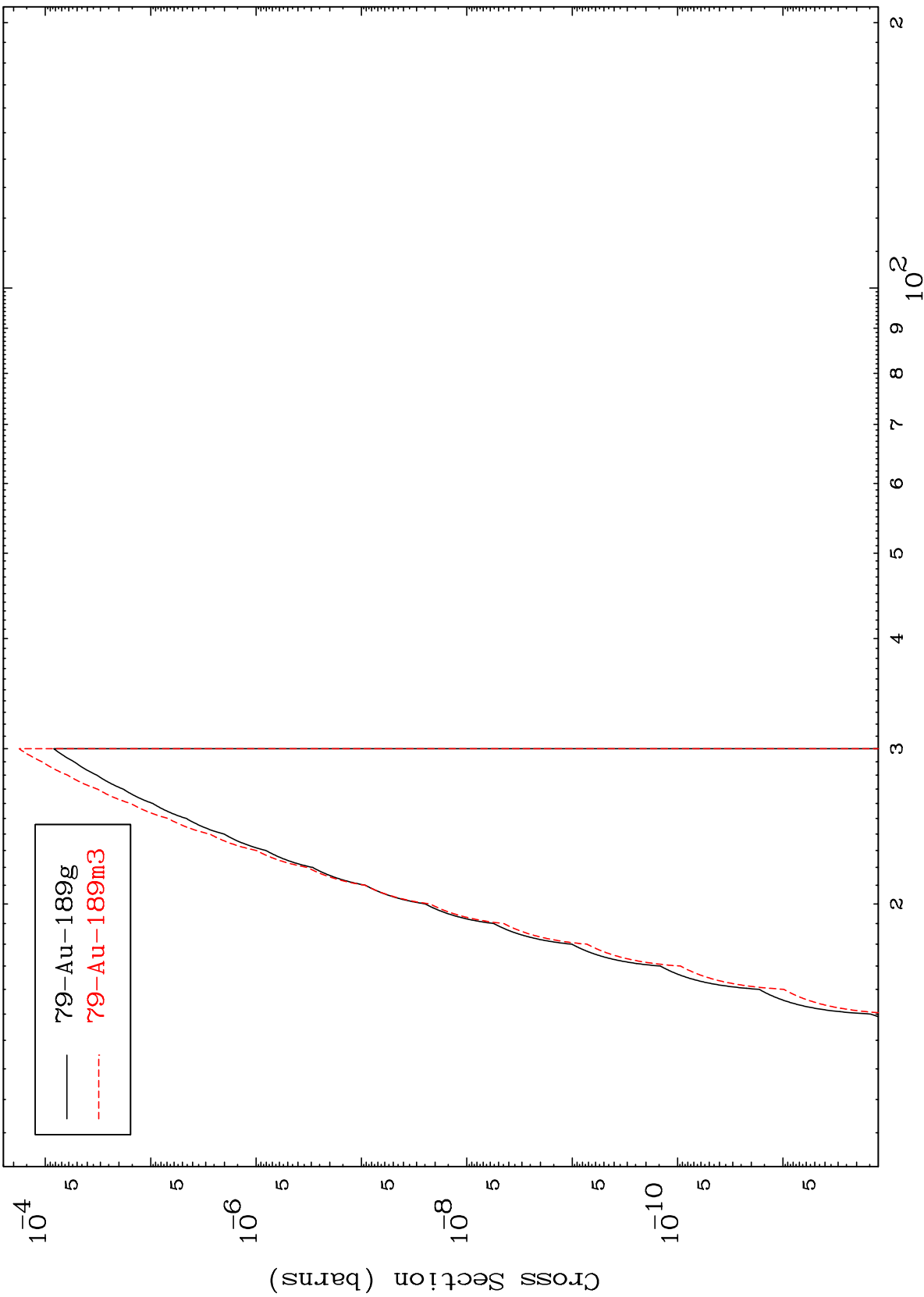


54

Incident Energy (MeV)

82-Pb-194

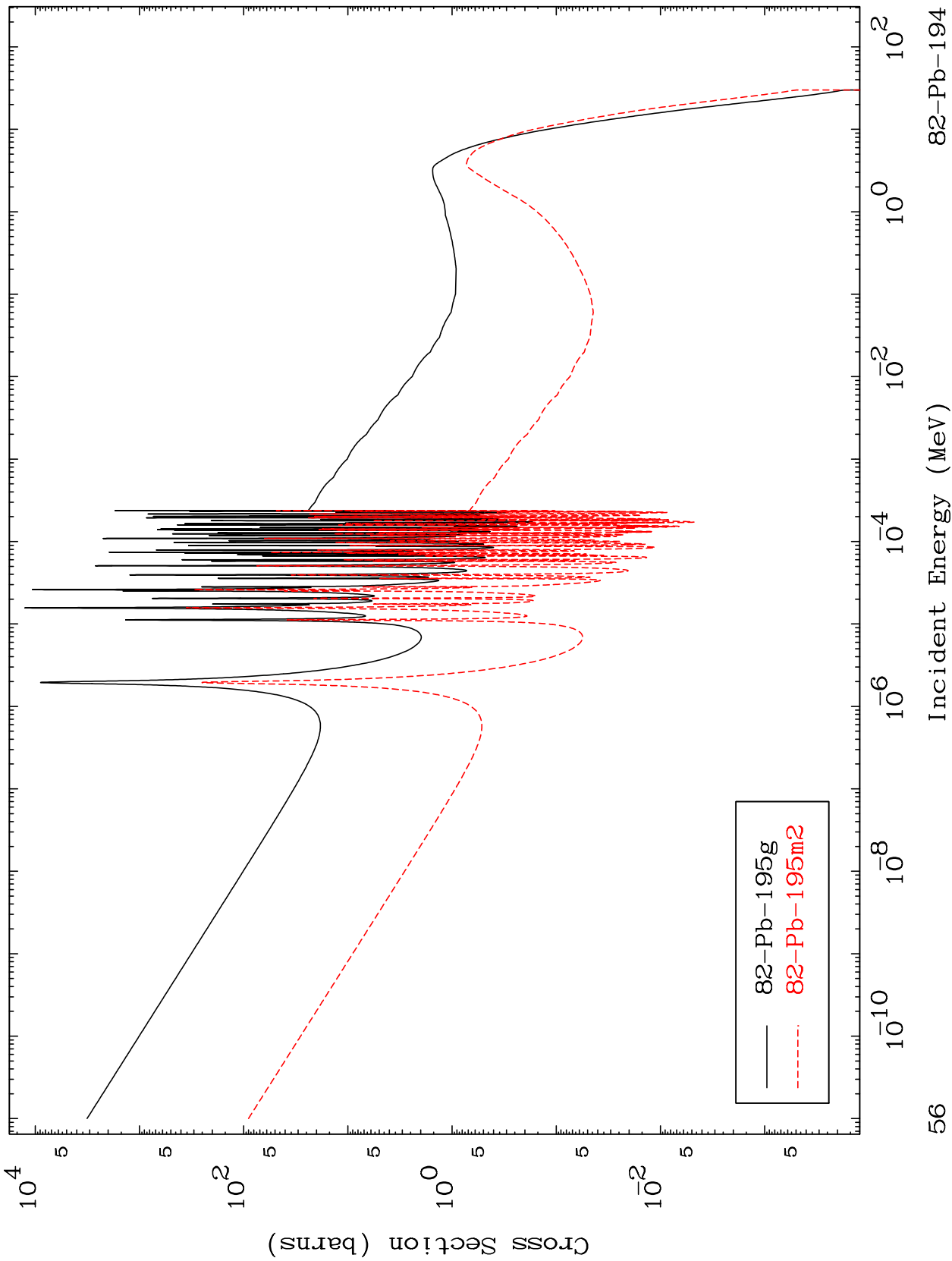
Radionuclide Production Cross Section



MAT 8195

82-Pb-194

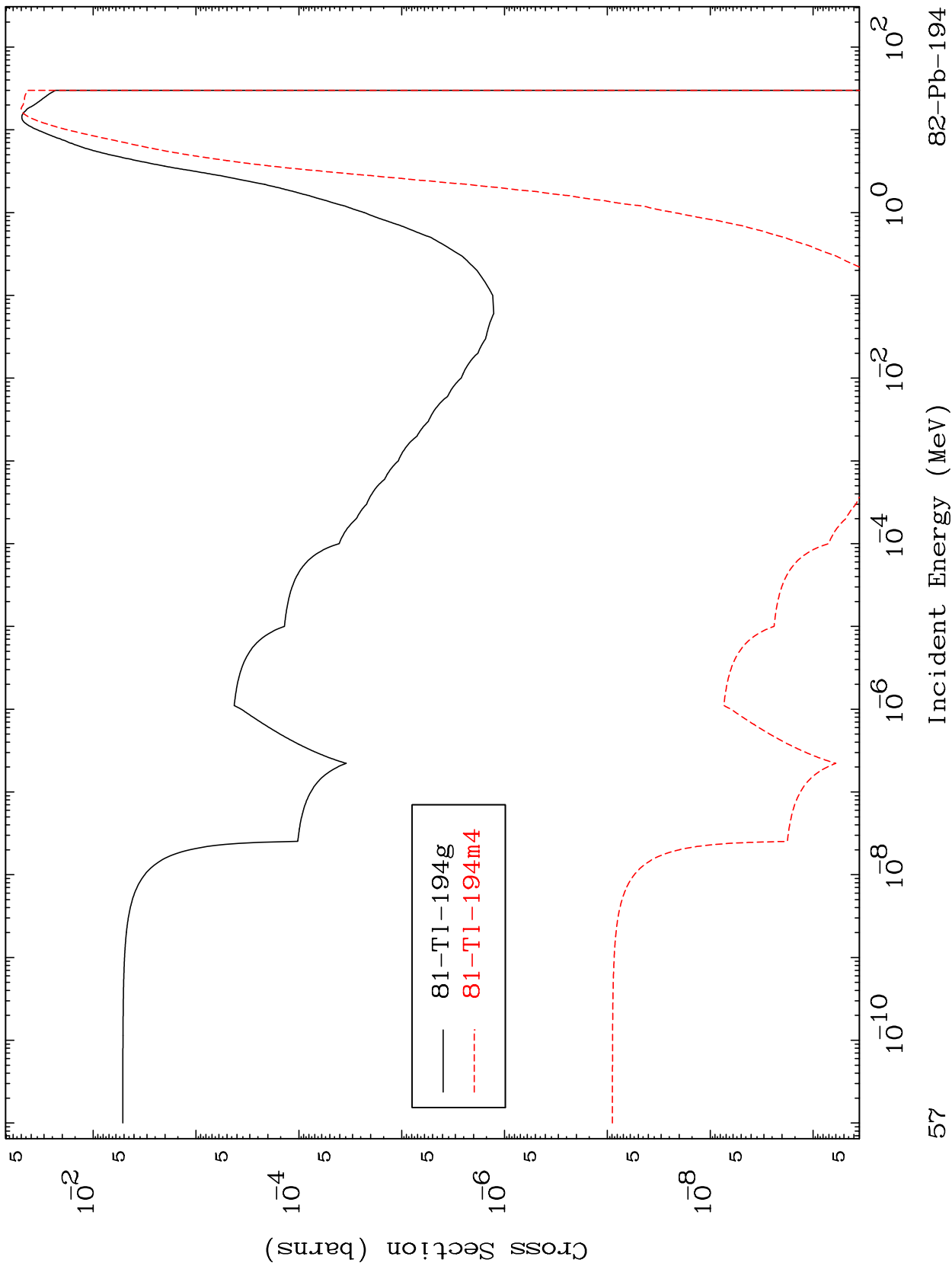
(n,γ)  
Radionuclide Production Cross Section



MAT 8195

82-Pb-194

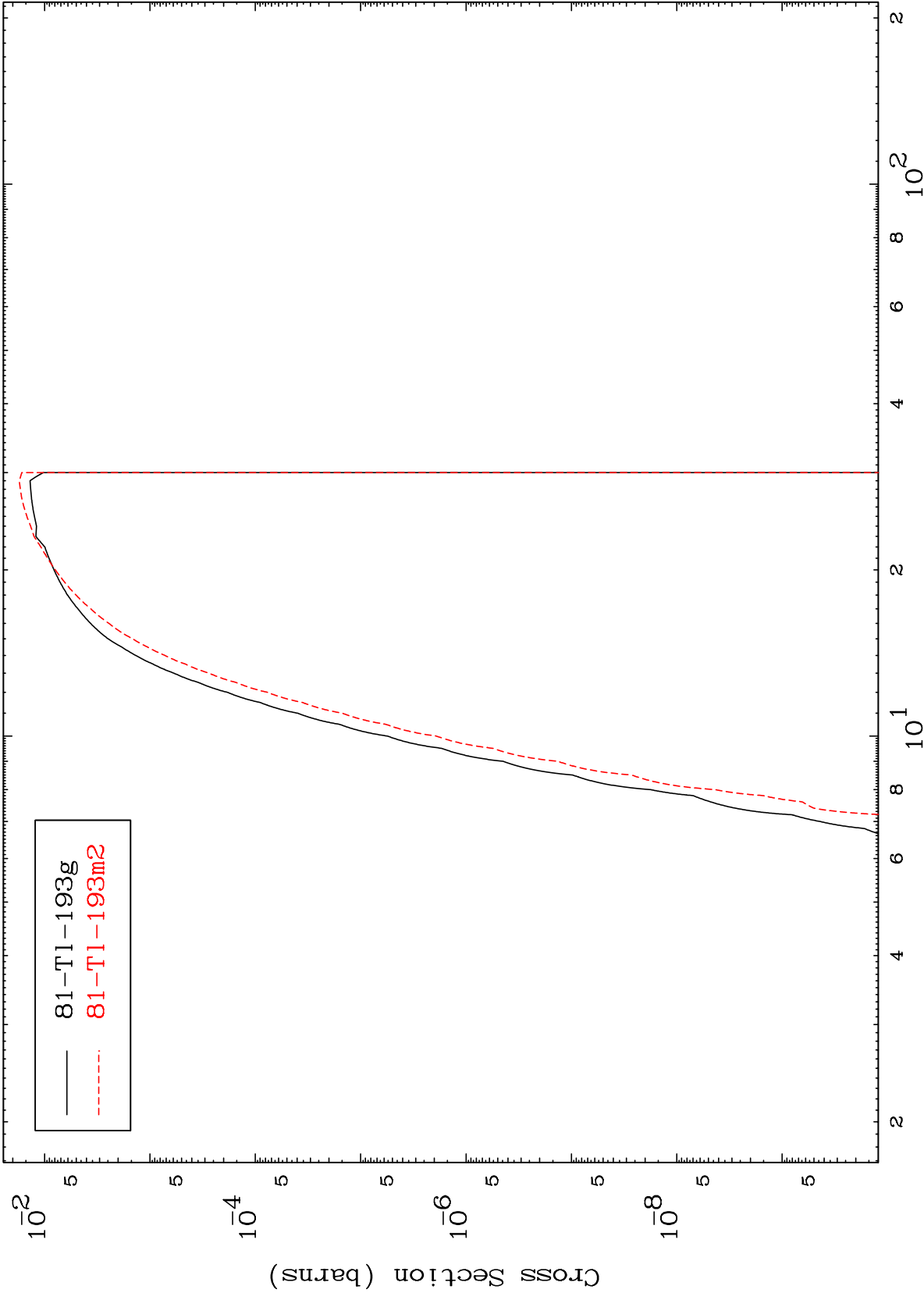
(n,p)  
Radionuclide Production Cross Section



MAT 8195

82-Pb-194

(n,d)  
Radionuclide Production Cross Section



58

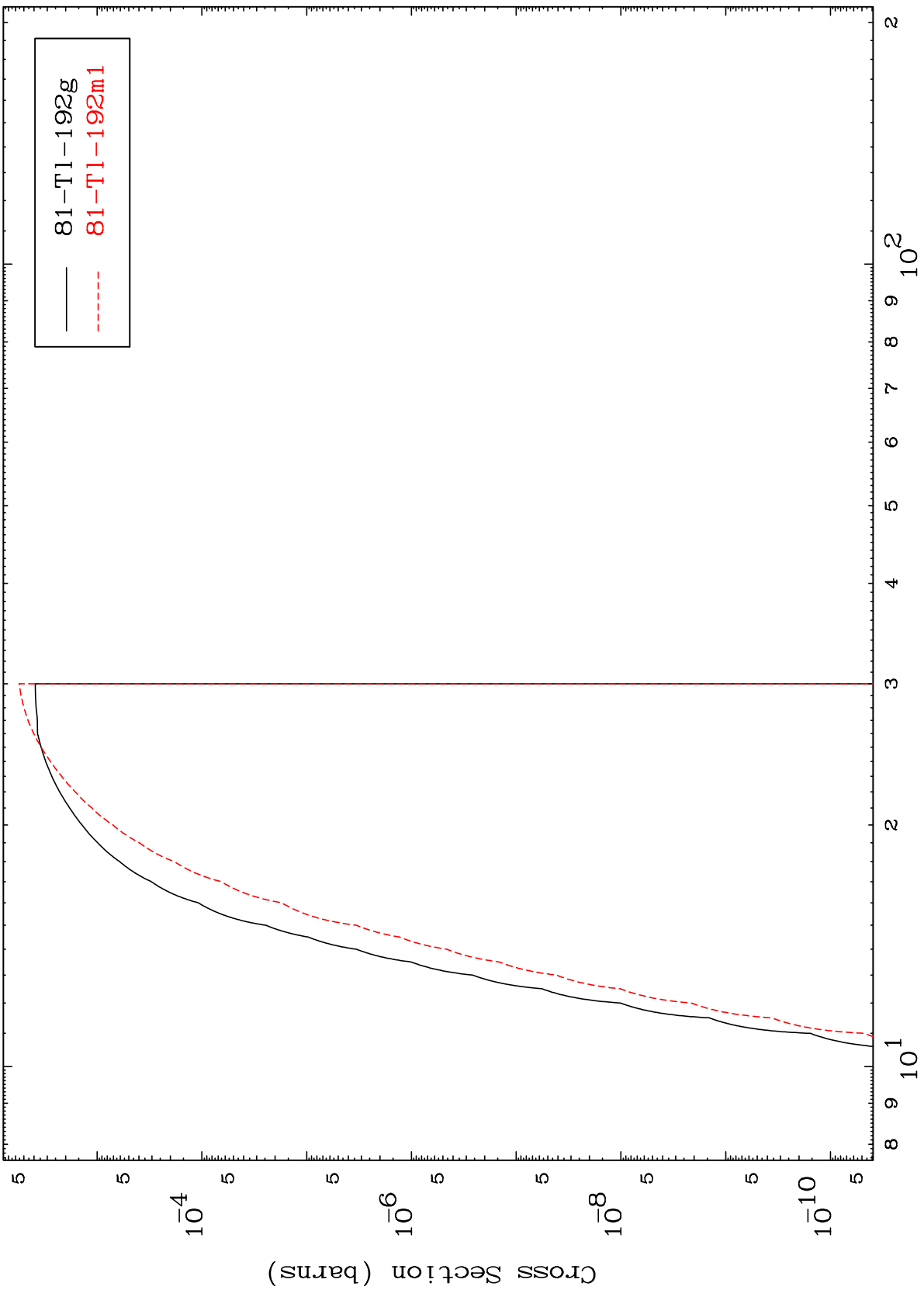
82-Pb-194

Incident Energy (MeV)

MAT 8195

82-Pb-194

(n, t)  
Radionuclide Production Cross Section



59

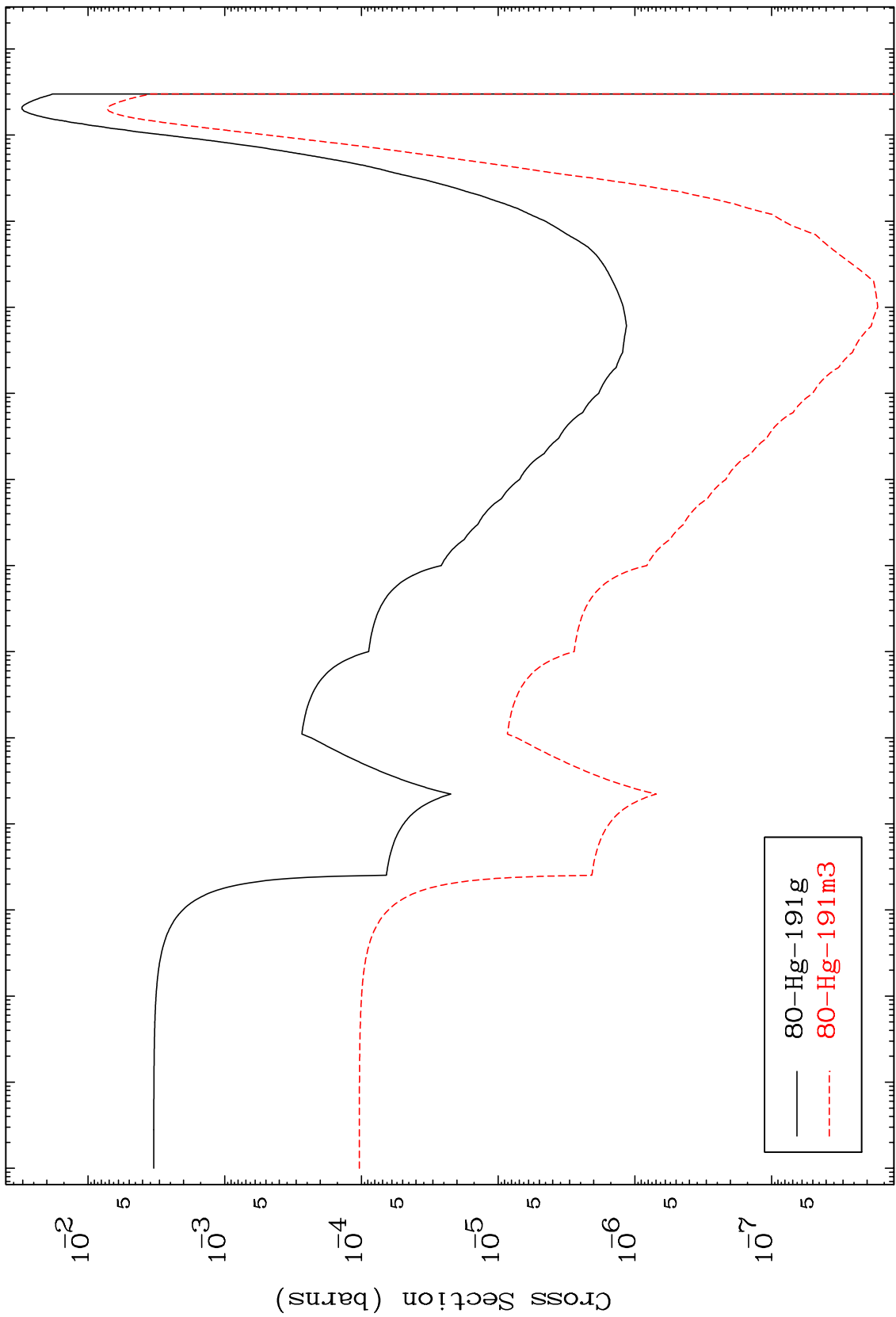
Incident Energy (MeV)

82-Pb-194

MAT 8195

82-Pb-194

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



— 80-Hg-191g  
- - - 80-Hg-191m3

82-Pb-194

Incident Energy (MeV)

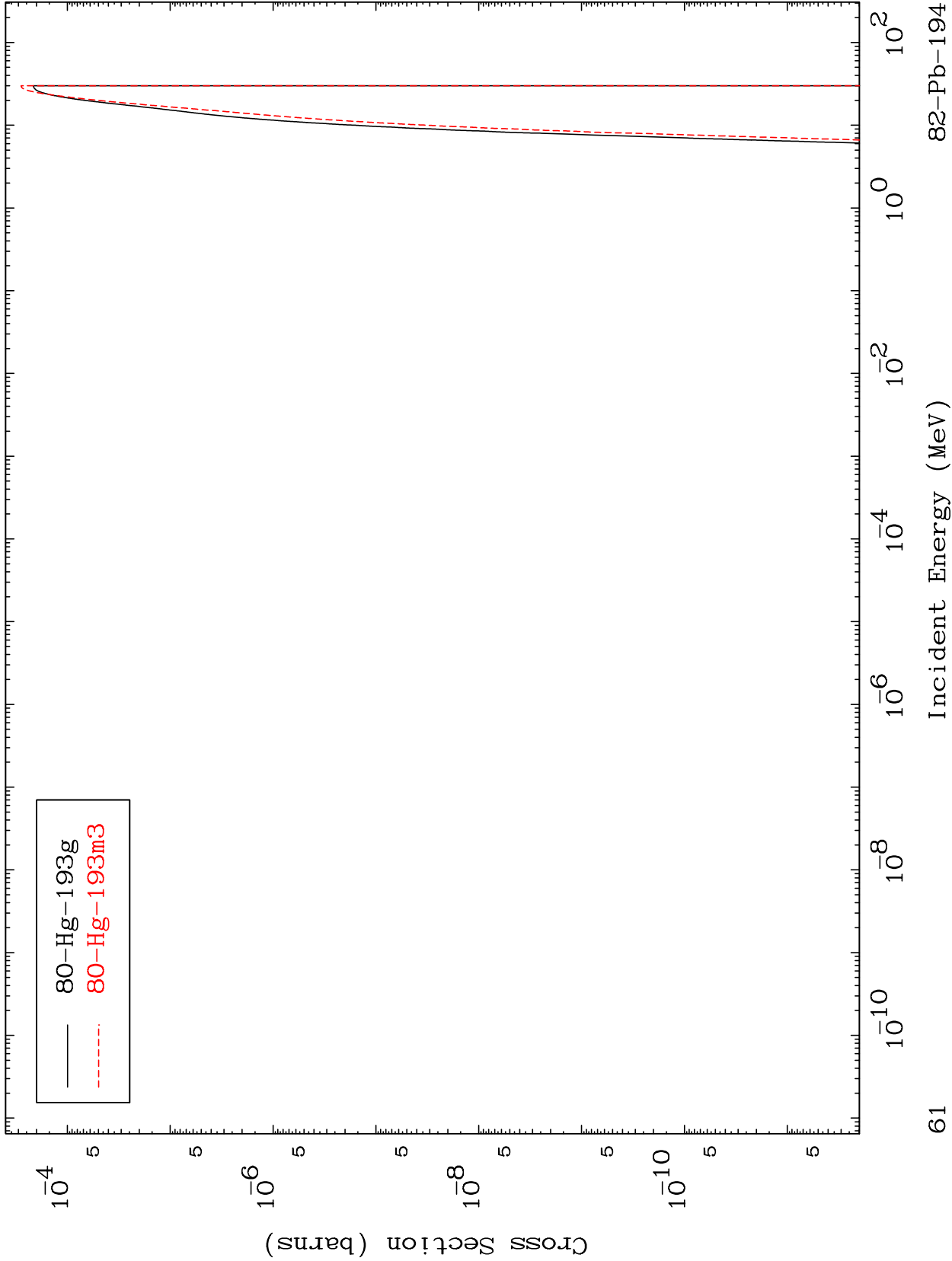
60

MAT 8195

(n,2p)

82-Pb-194

Radionuclide Production Cross Section

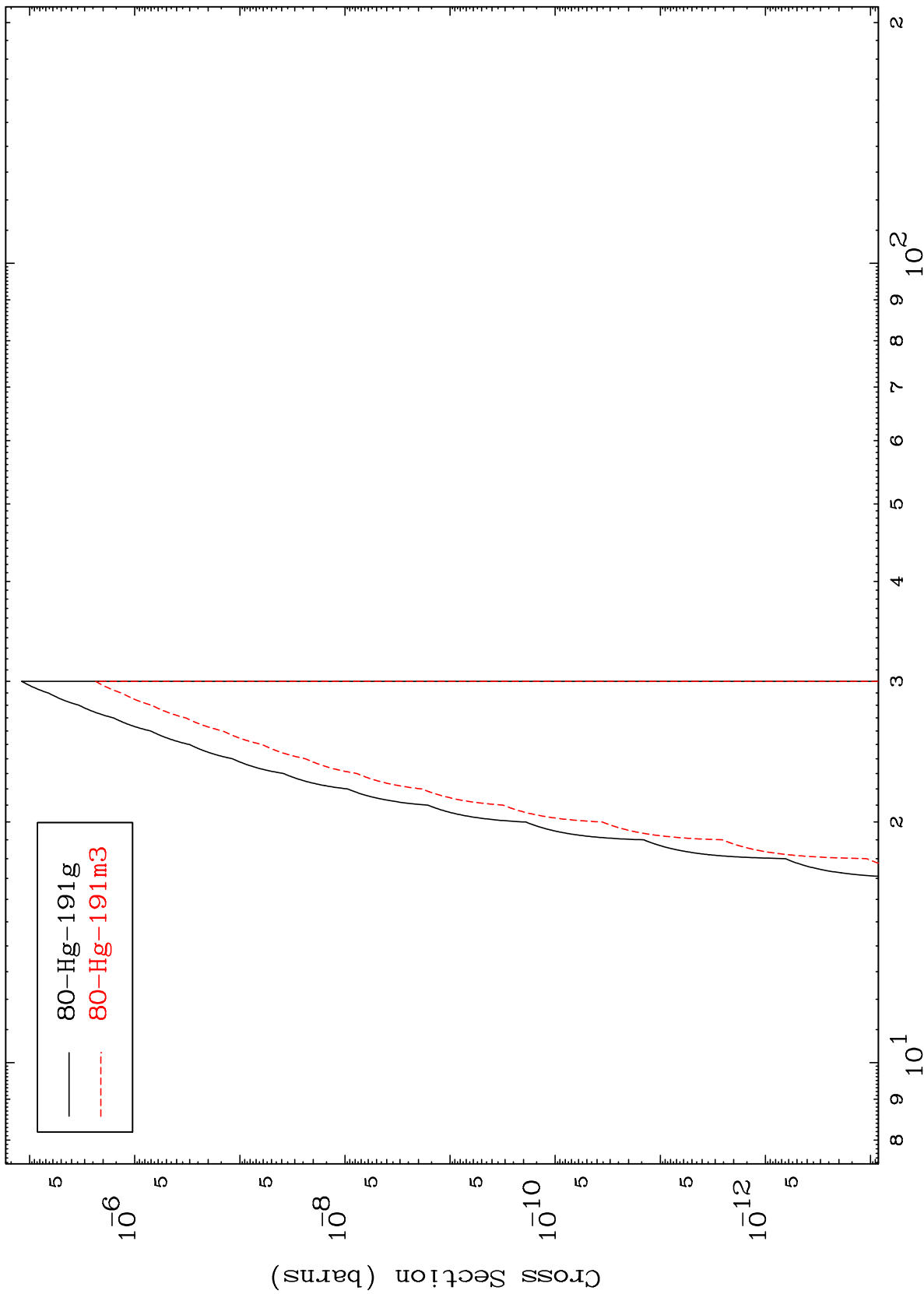


MAT 8195

(n,p) t

82-Pb-194

Radionuclide Production Cross Section



62

Incident Energy (MeV)

82-Pb-194

MAT 8195

(n,d)  $\alpha$

82-Pb-194

Radionuclide Production Cross Section

