

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

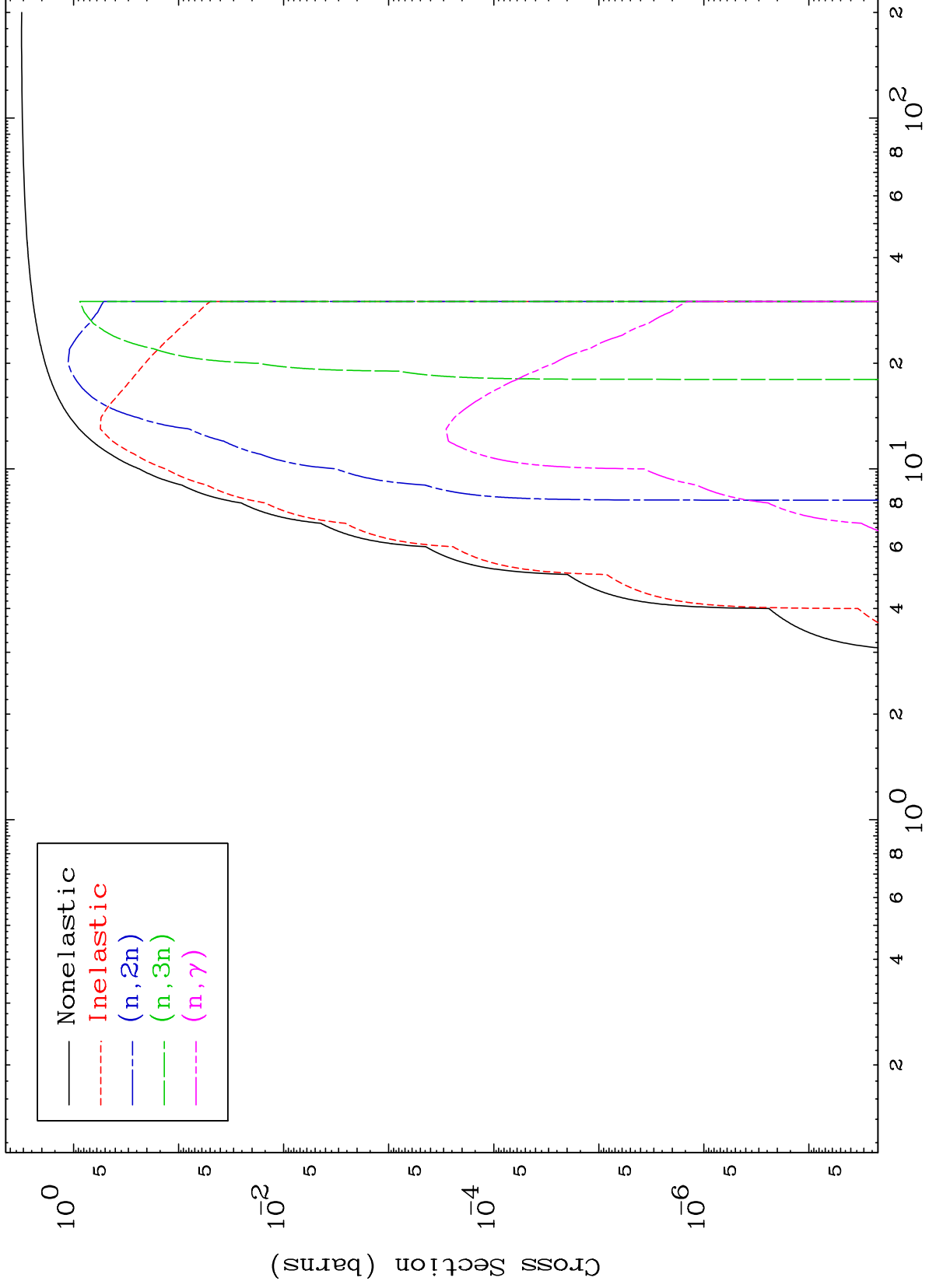
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Web:redcullen1.net/HOMEPAGE.NEW

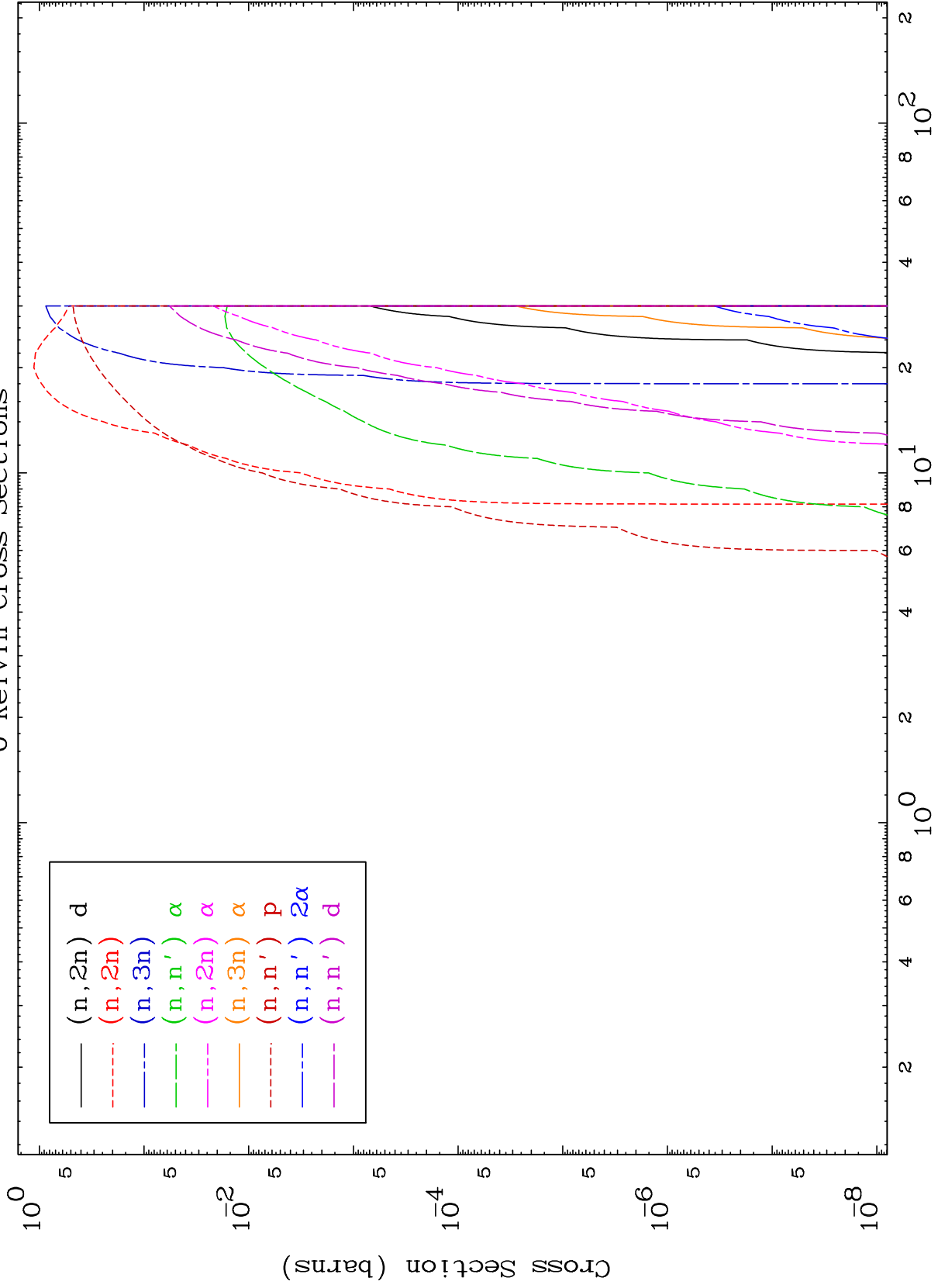
Press Mouse Button to Start

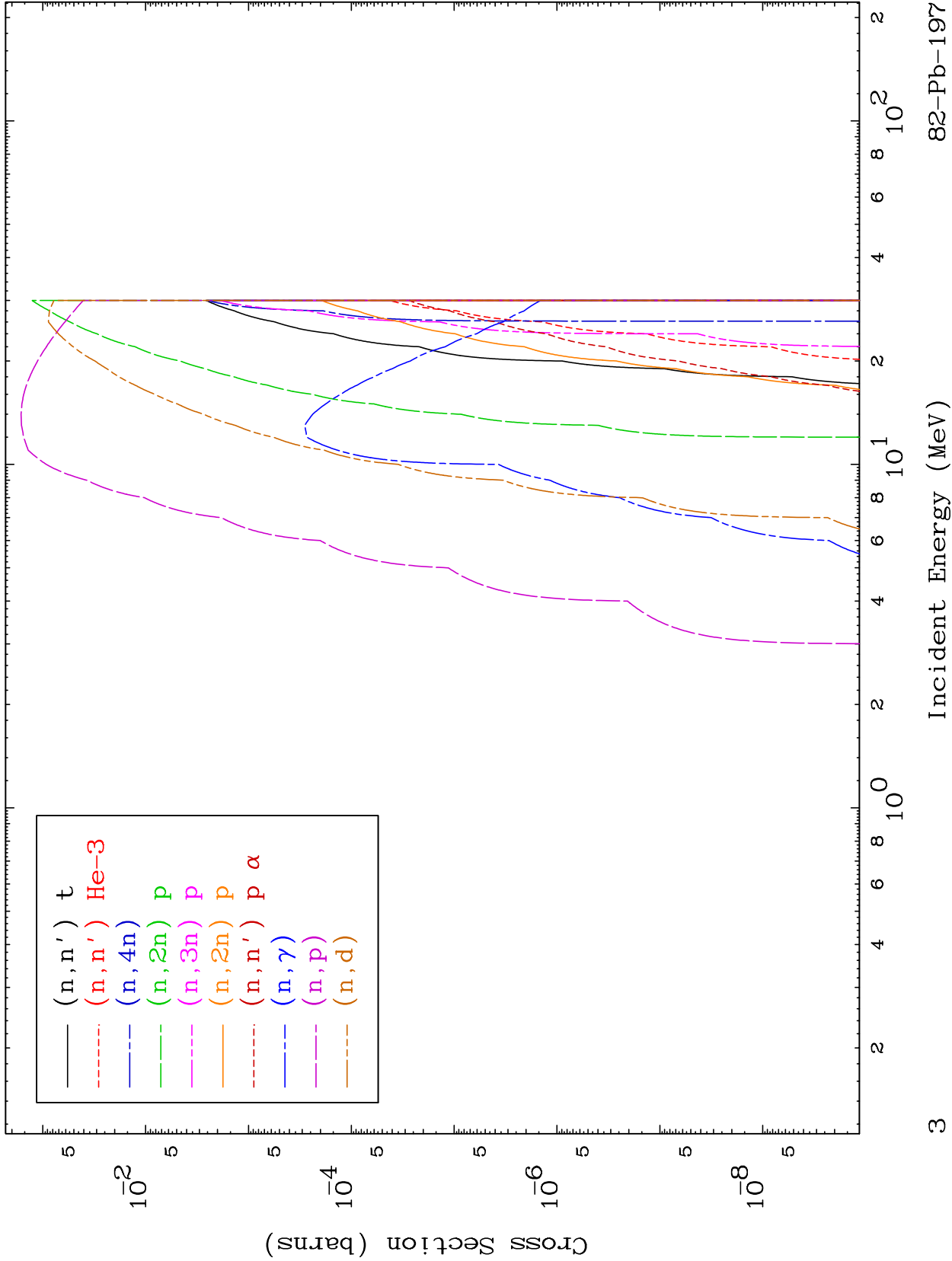


MAT 8204

Deuteron Neutron Absorption
0 Kelvin Cross Sections

82-Pb-197

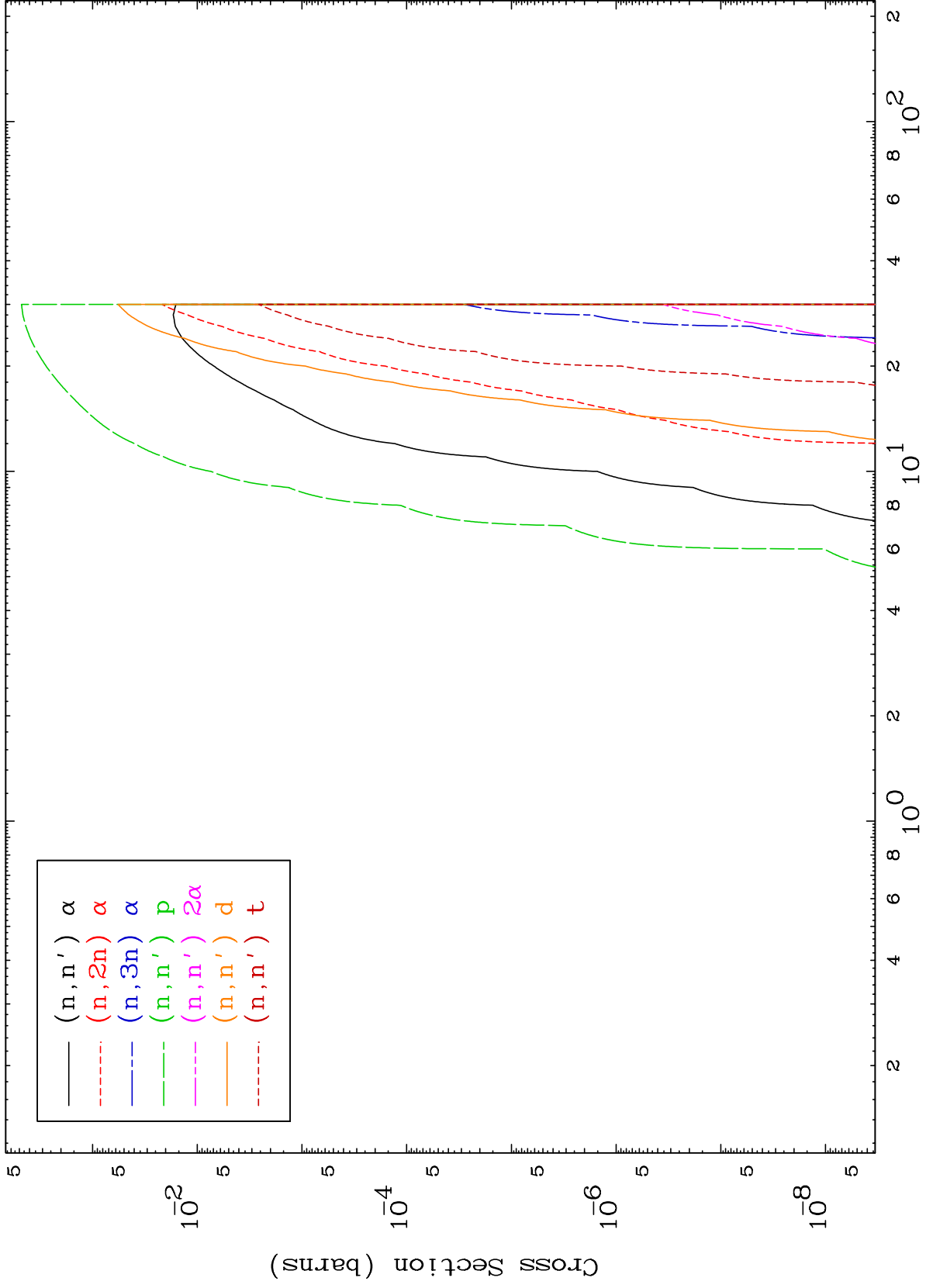




MAT 8204

Deuteron Charged Particle
0 Kelvin Cross Sections

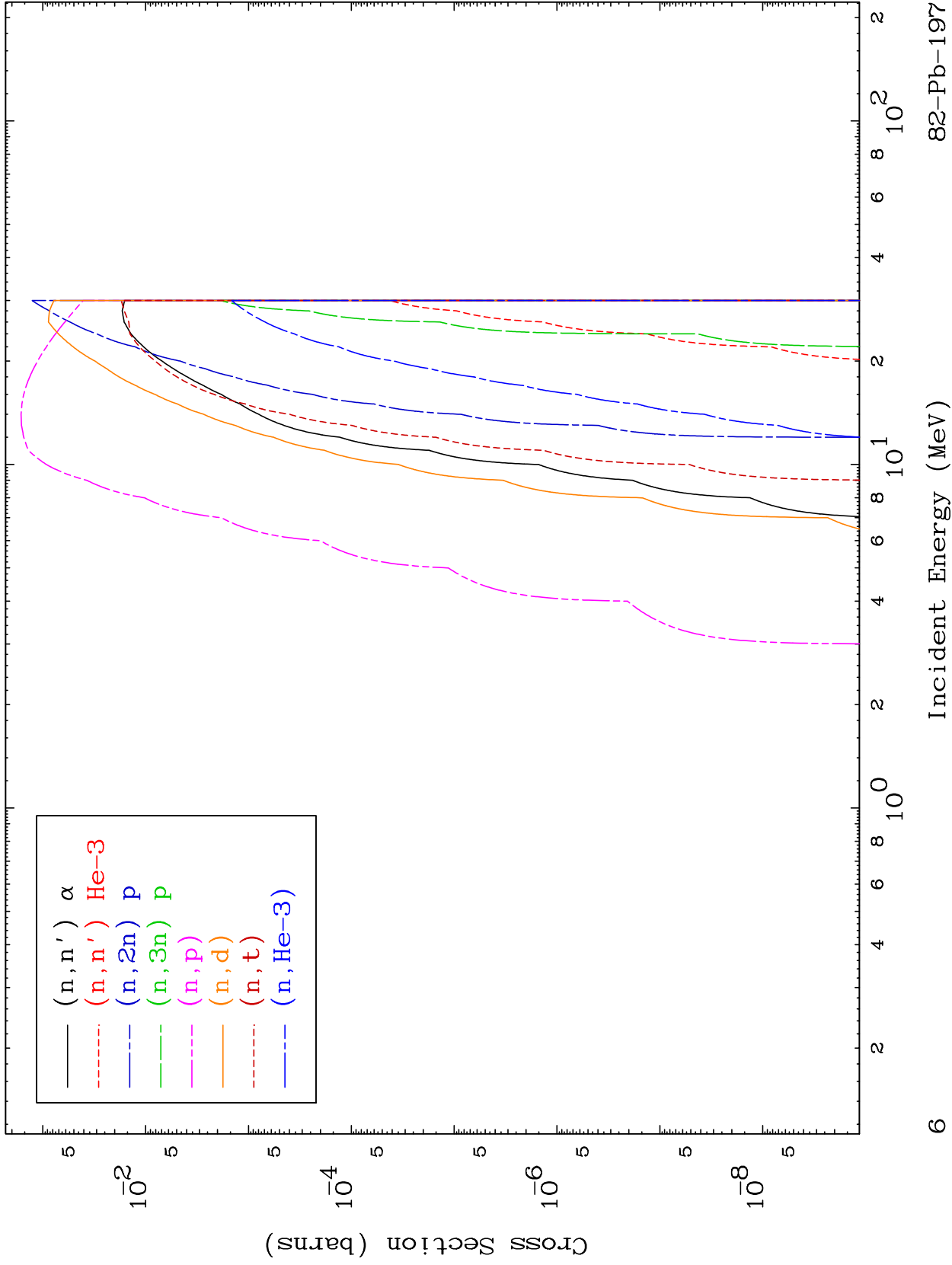
82-Pb-197



5

Incident Energy (MeV)

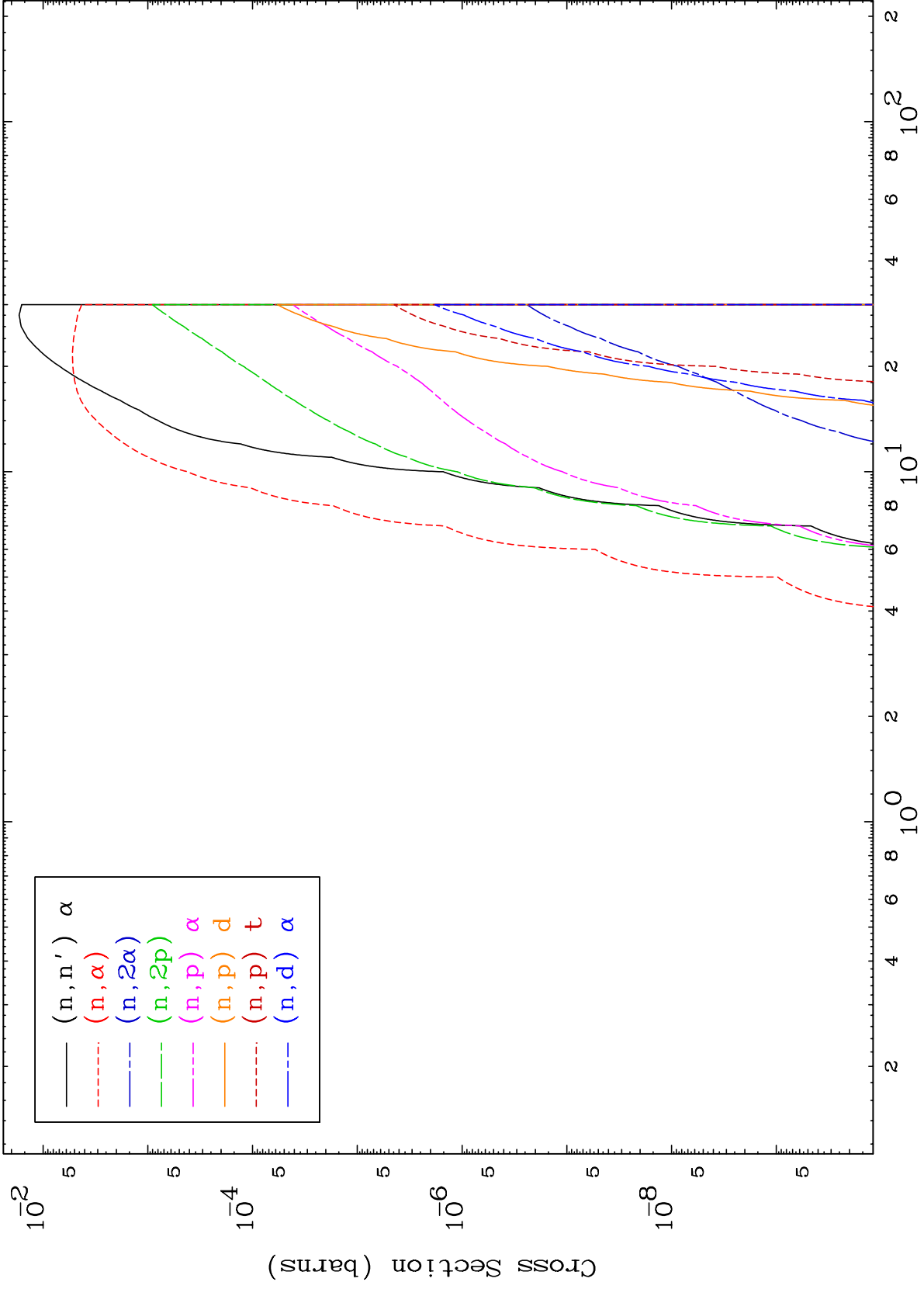
82-Pb-197



MAT 8204

Deuteron Charged Particle
0 Kelvin Cross Sections

82-Pb-197

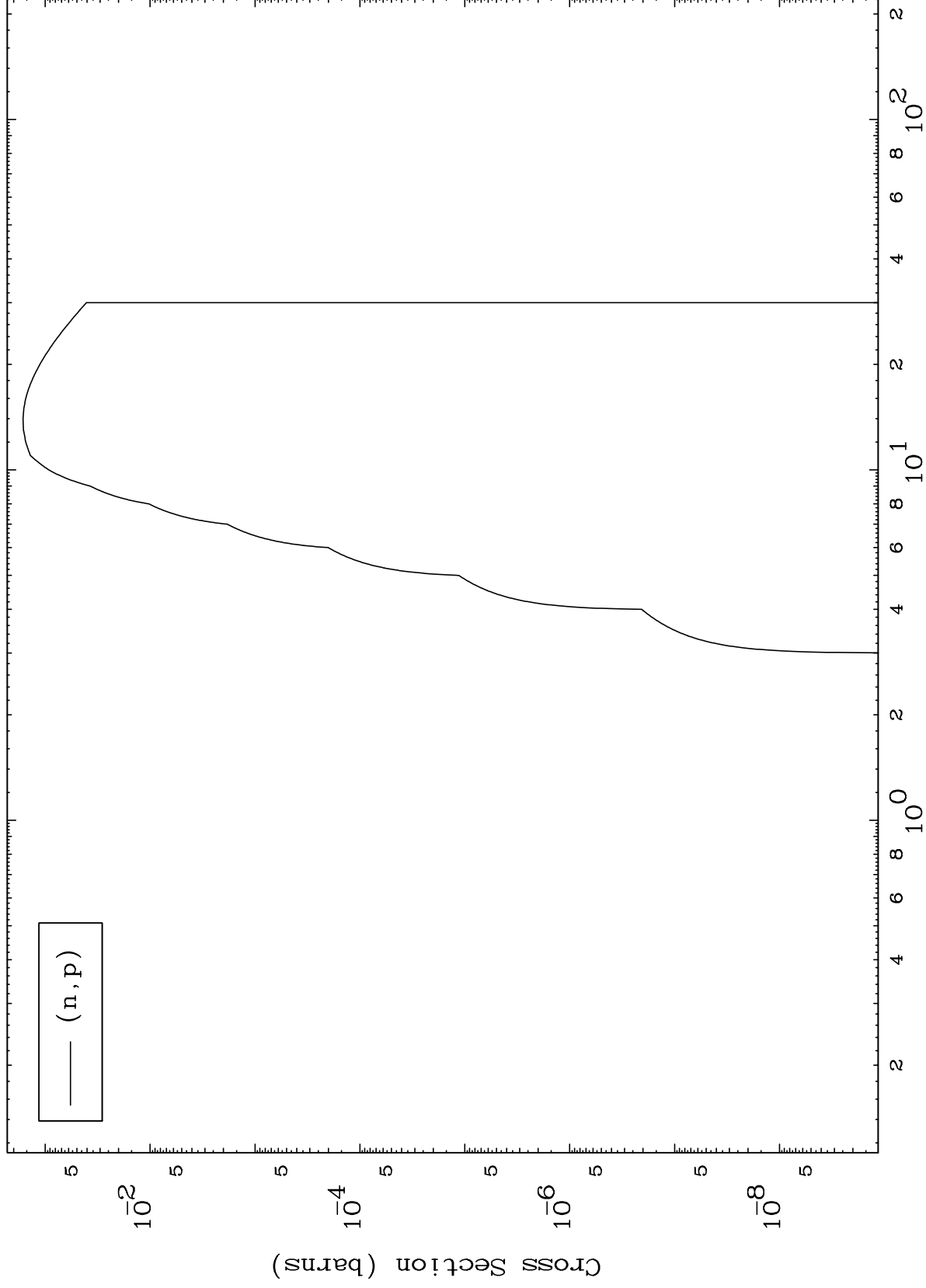


MAT 8204

(d,p) Levels

82-Pb-197

0 Kelvin Cross Sections



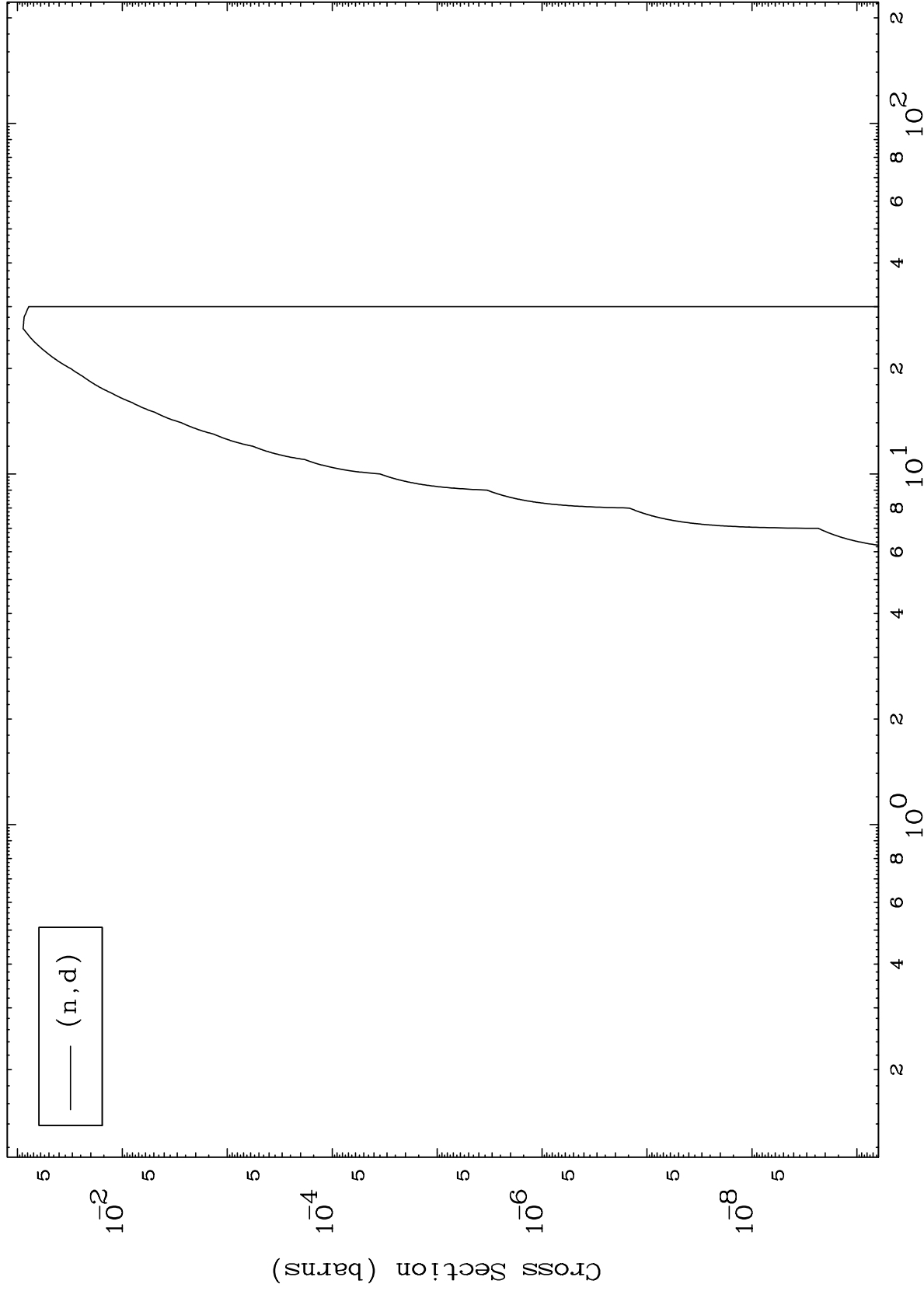
(n,p)

MAT 8204

(d,d) Levels

82-Pb-197

0 Kelvin Cross Sections

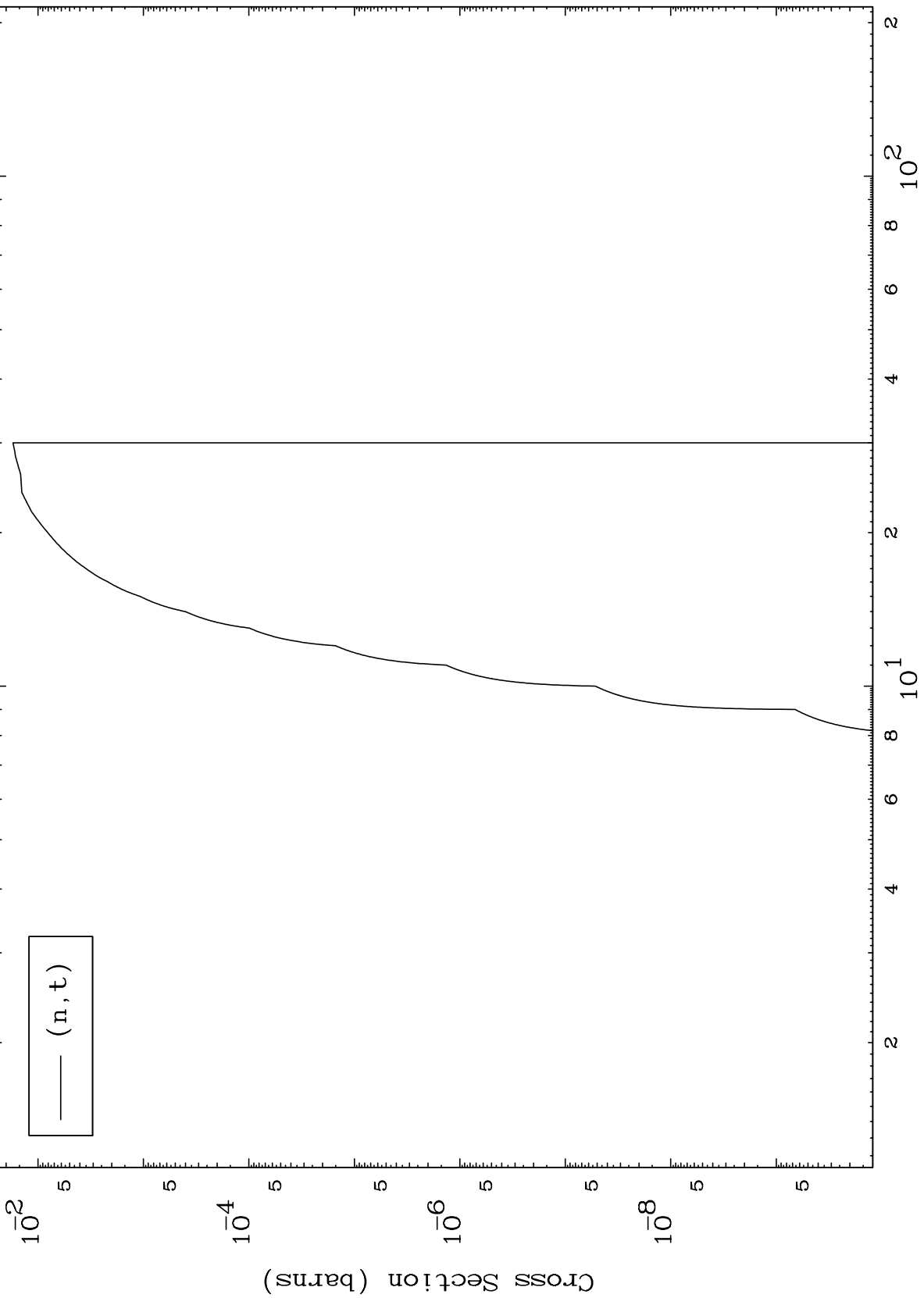


MAT 8204

(d,t) Levels

82-Pb-197

0 Kelvin Cross Sections



(n,t)

10

Incident Energy (MeV)

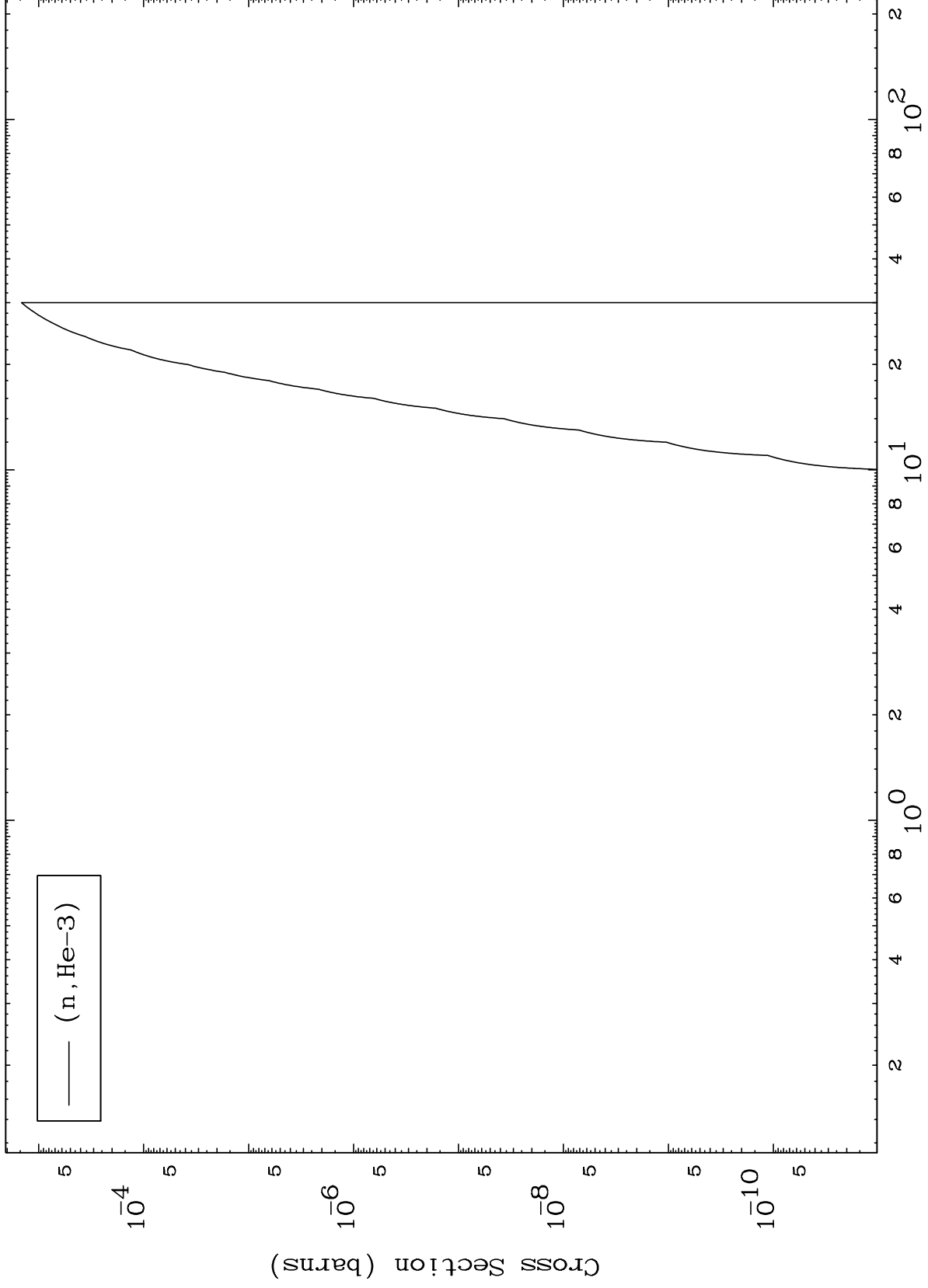
82-Pb-197

MAT 8204

(d,He3) Levels

82-Pb-197

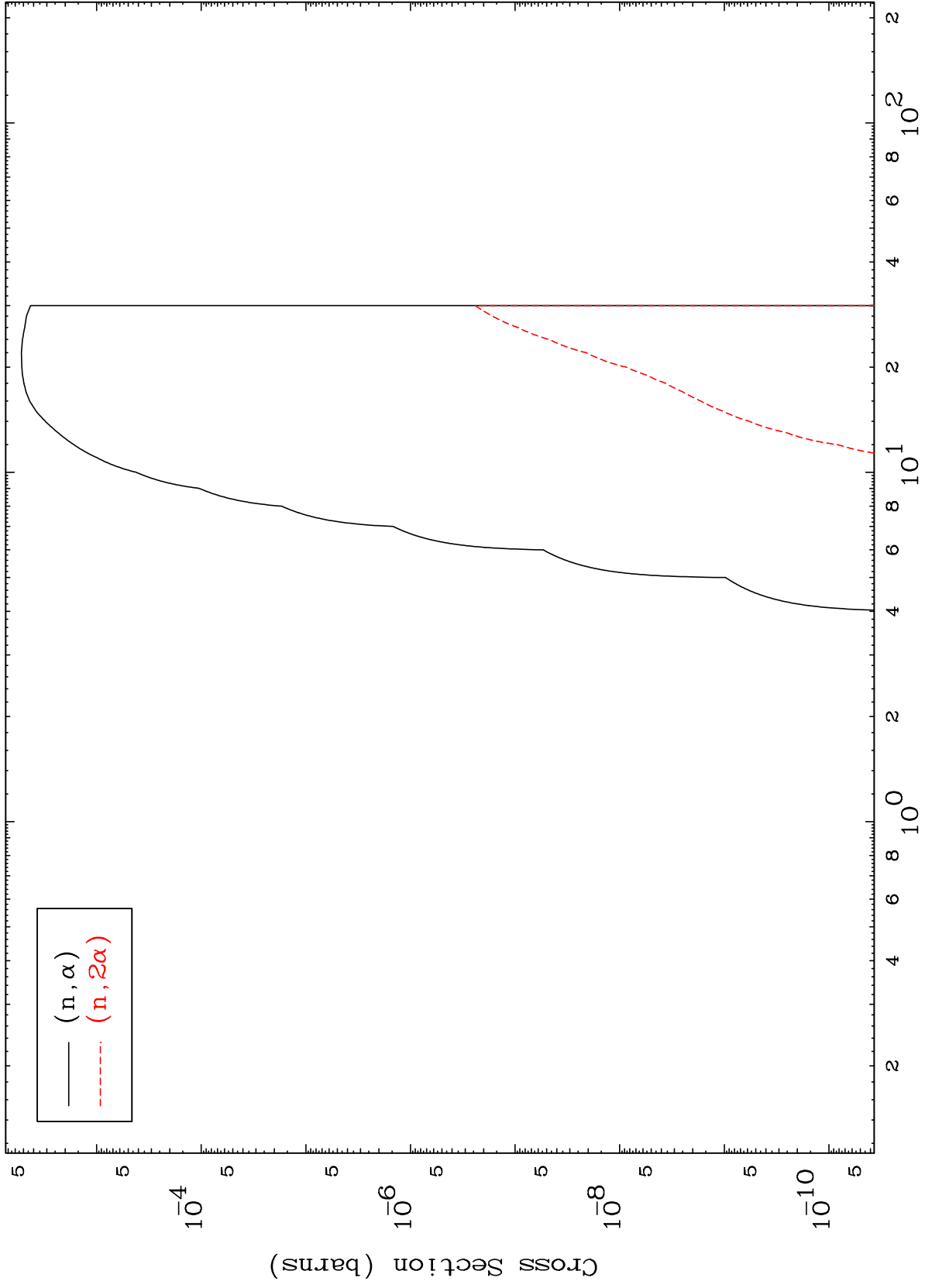
0 Kelvin Cross Sections



MAT 8204

(d, α) Levels
0 Kelvin Cross Sections

82-Pb-197



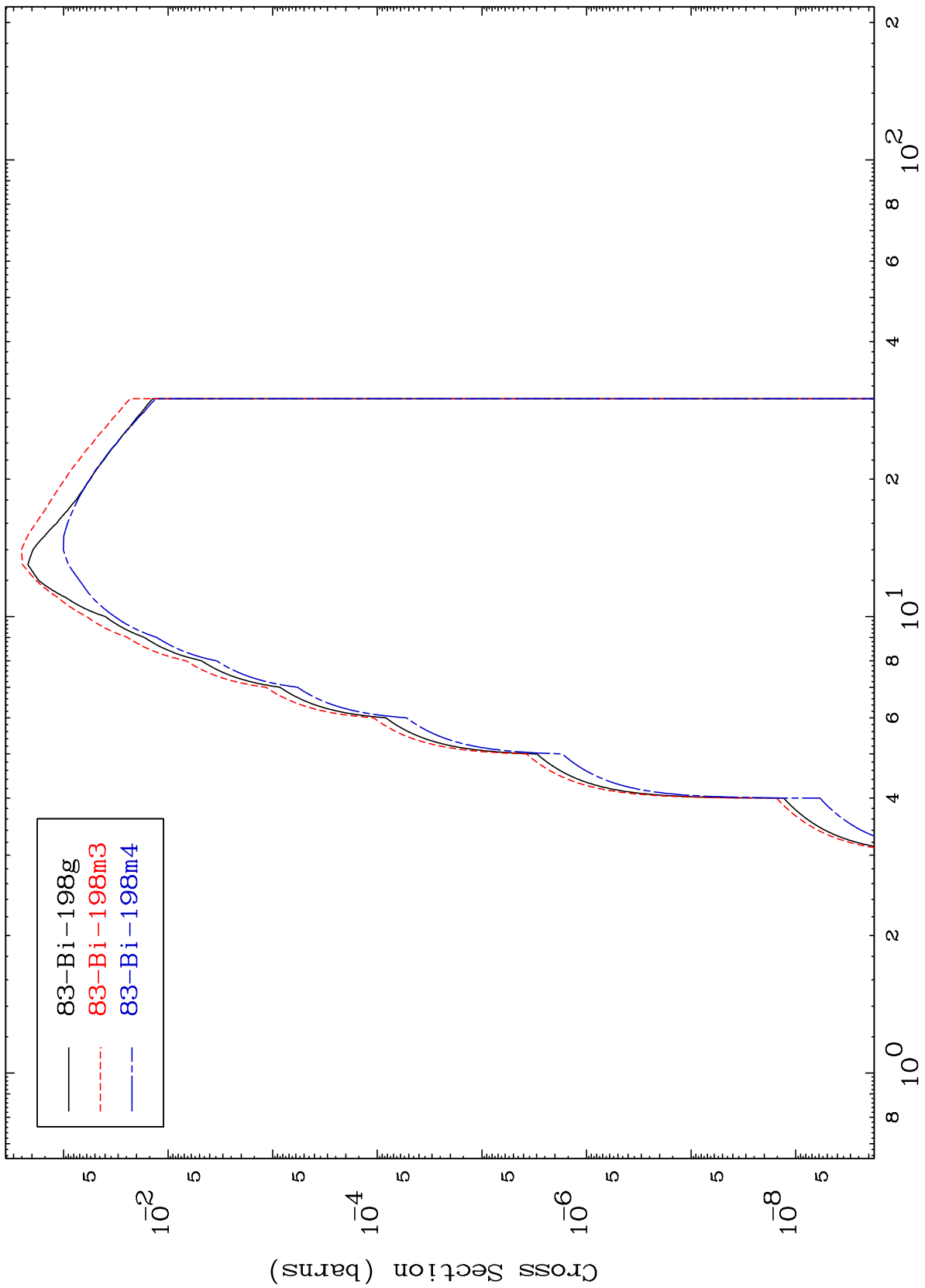
12

82-Pb-197

MAT 8204

82-Pb-197

Radionuclide Production Cross Section



82-Pb-197

Incident Energy (MeV)

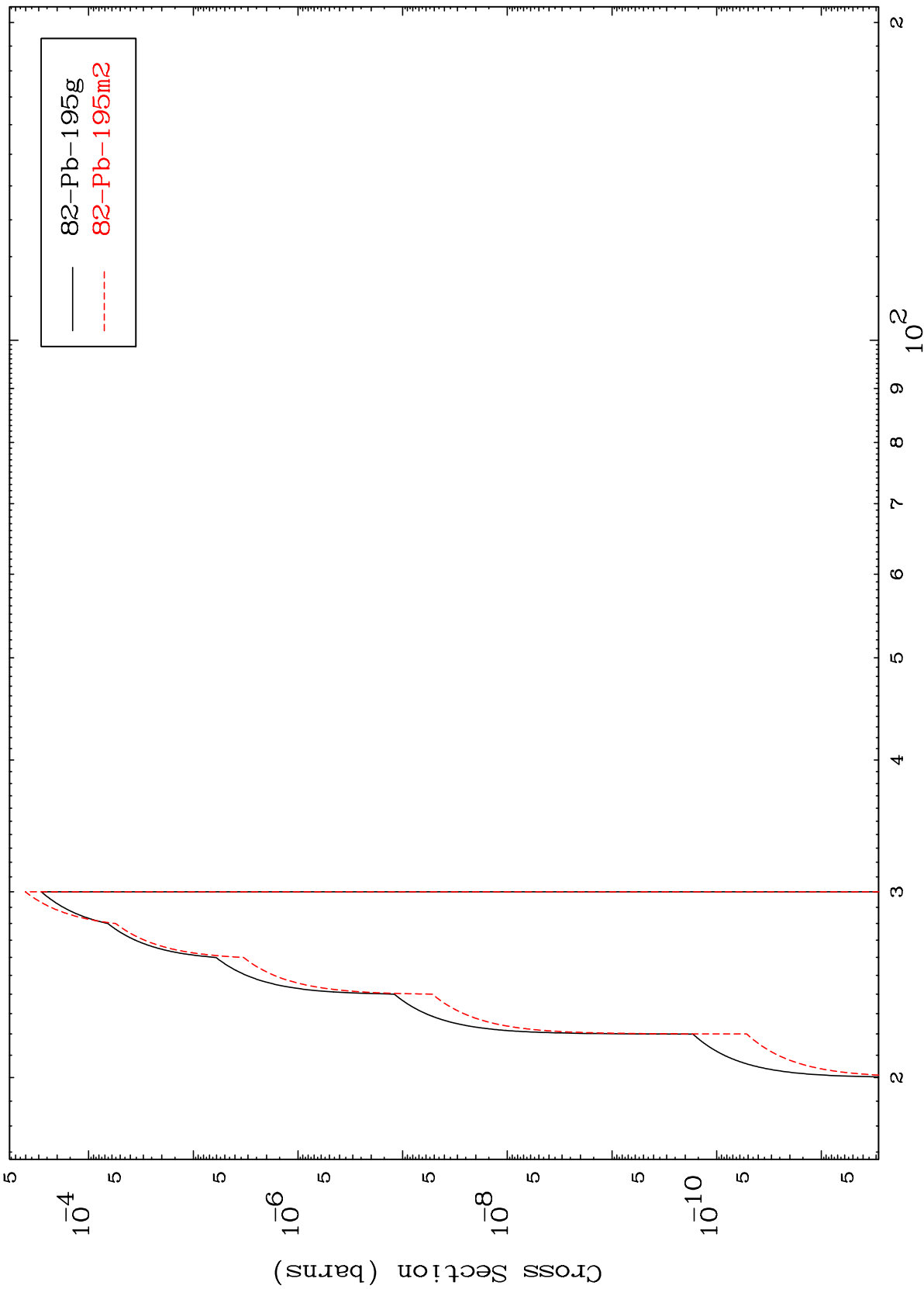
13

MAT 8204

(n,2n) d

82-Pb-197

Radionuclide Production Cross Section



14

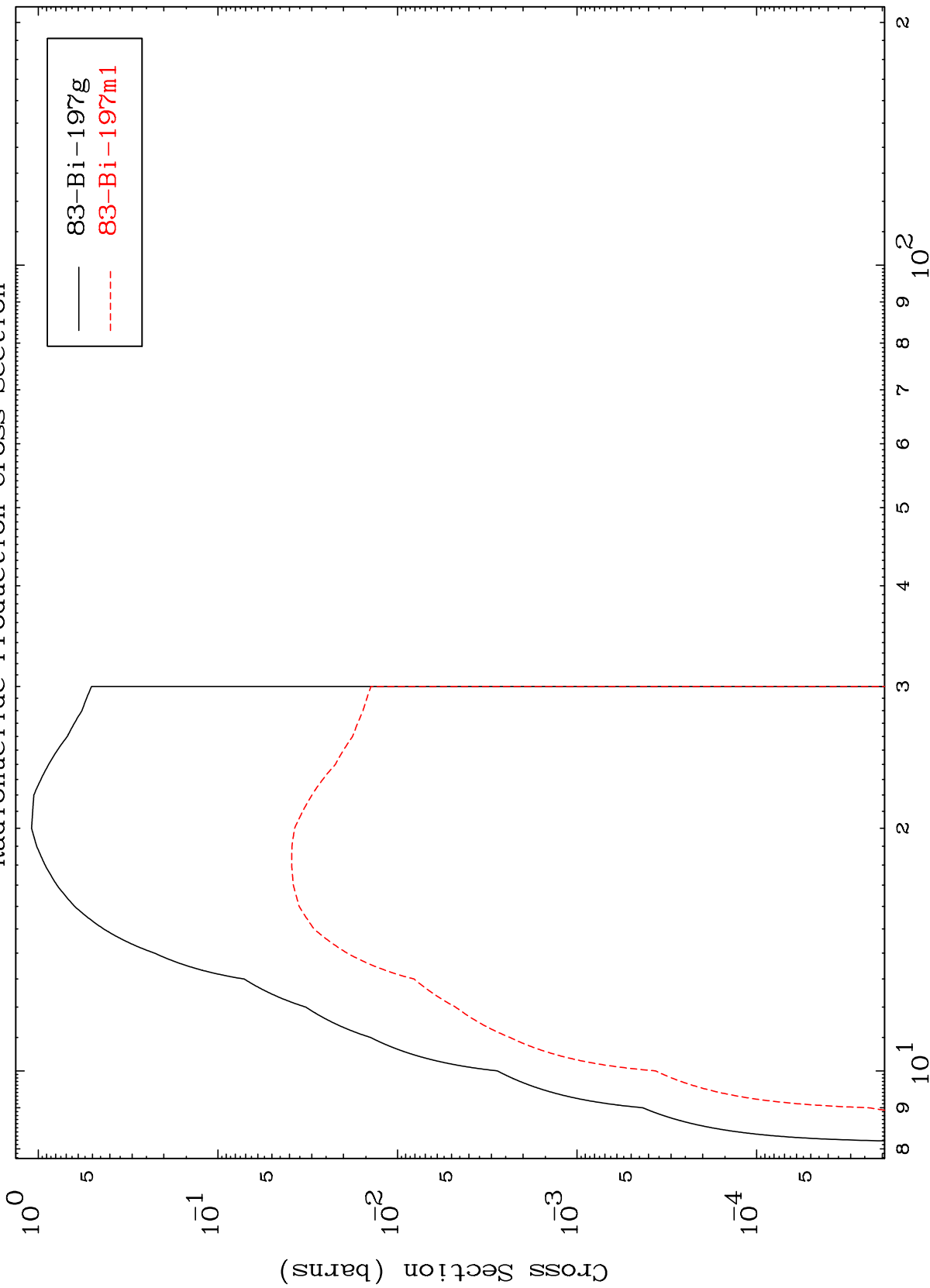
Incident Energy (MeV)

82-Pb-197

MAT 8204

82-Pb-197

(n,2n)
Radionuclide Production Cross Section



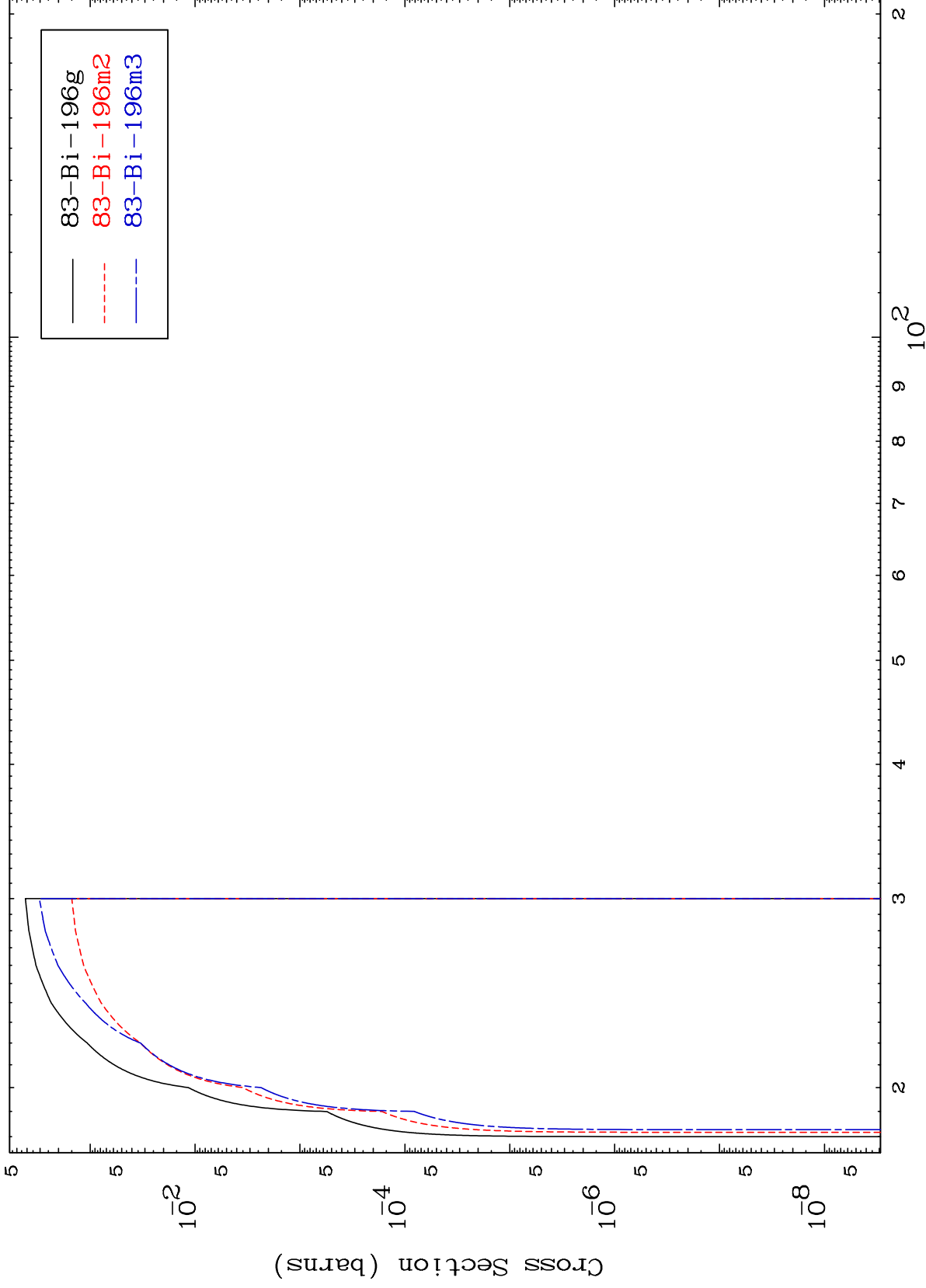
83-Bi-197g
83-Bi-197m1

82-Pb-197

Incident Energy (MeV)

15

Radionuclide Production Cross Section

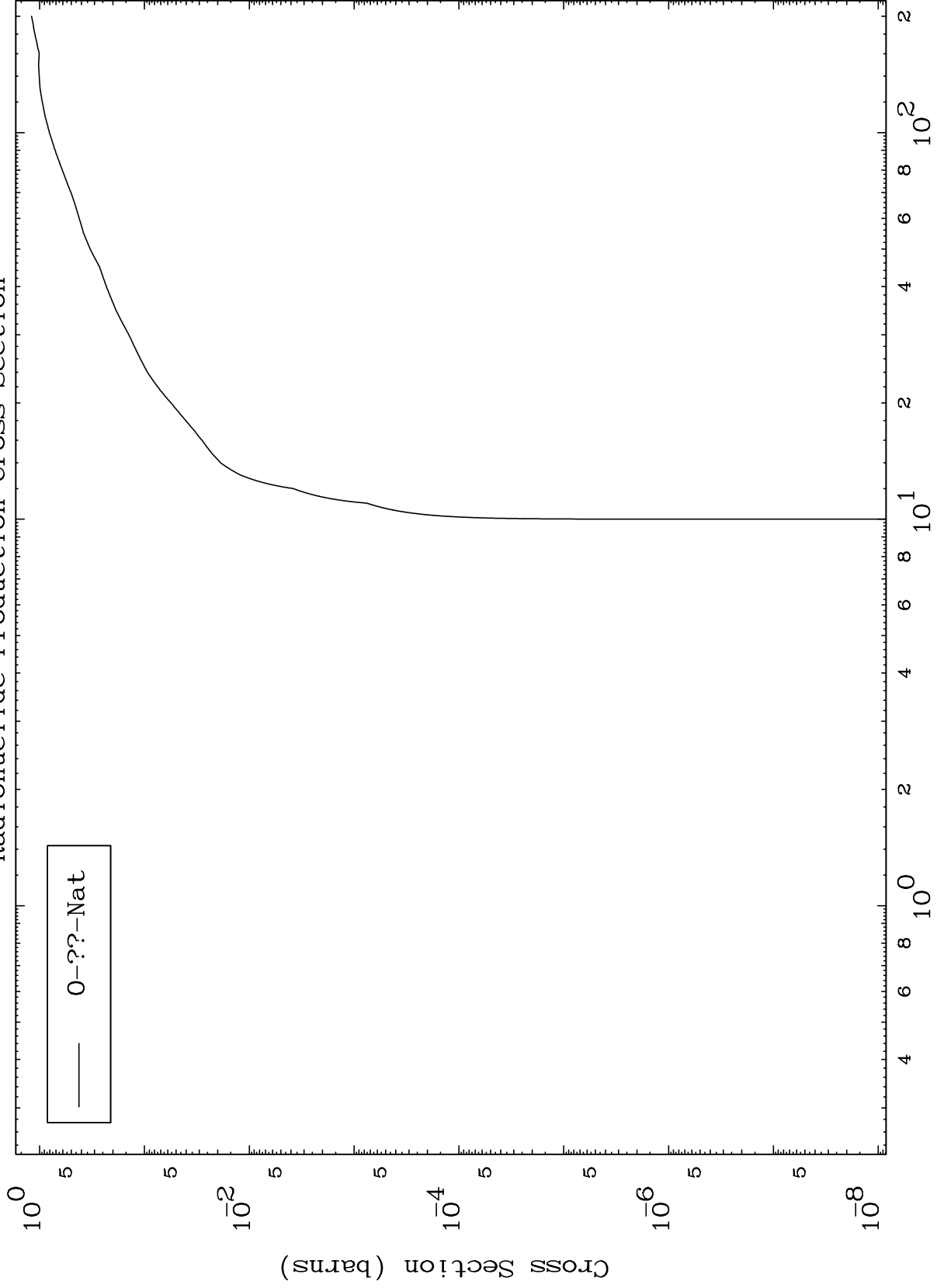


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Fission

82-Pb-197

Radionuclide Production Cross Section

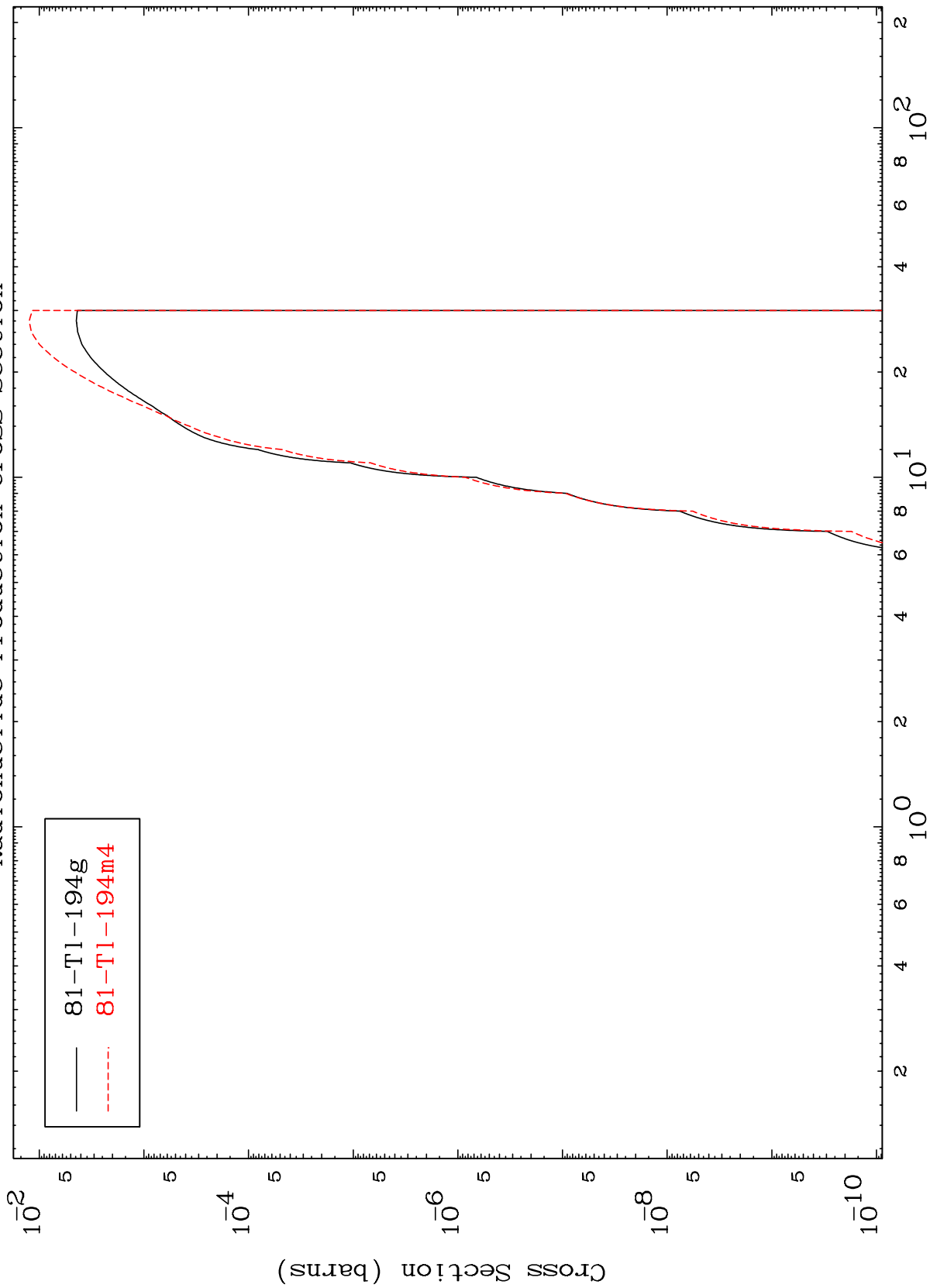


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$(n, n') \alpha$

82-Pb-197

Radionuclide Production Cross Section



81-Tl-194g
81-Tl-194m4

18

Incident Energy (MeV)

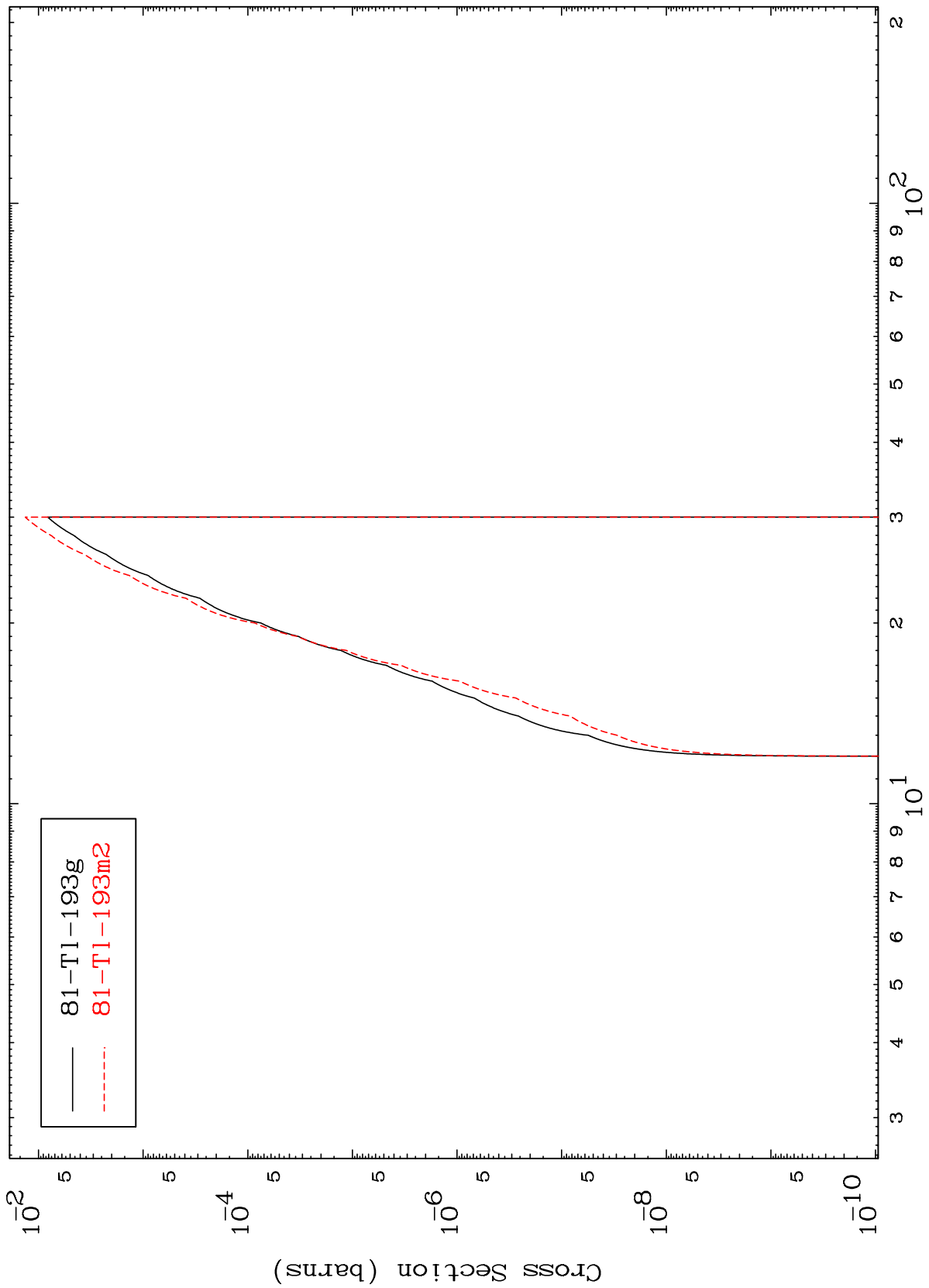
82-Pb-197

MAT 8204

(n,2n) α

82-Pb-197

Radionuclide Production Cross Section



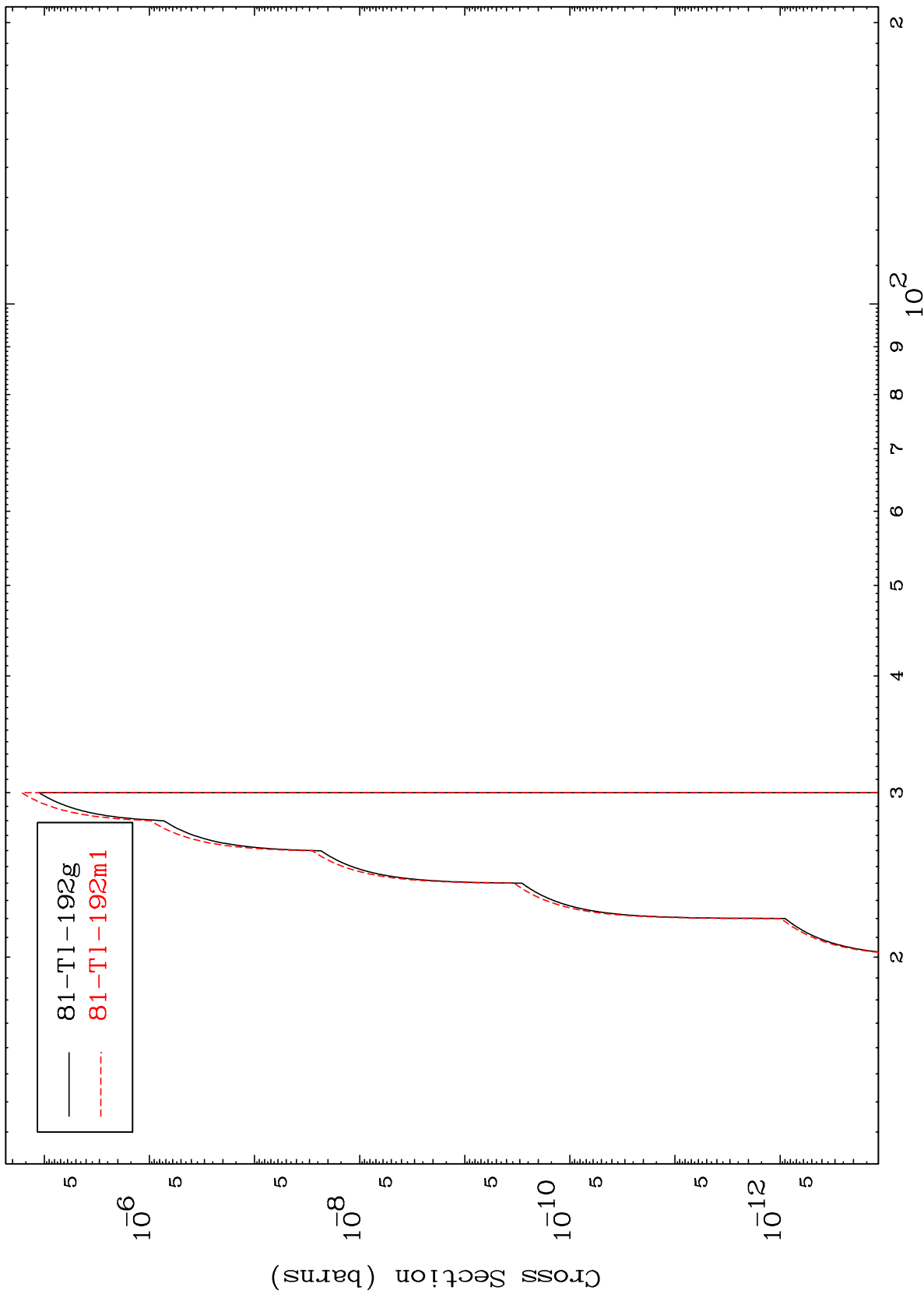
81-Tl-193g
81-Tl-193m2

19

Incident Energy (MeV)

82-Pb-197

Radionuclide Production Cross Section

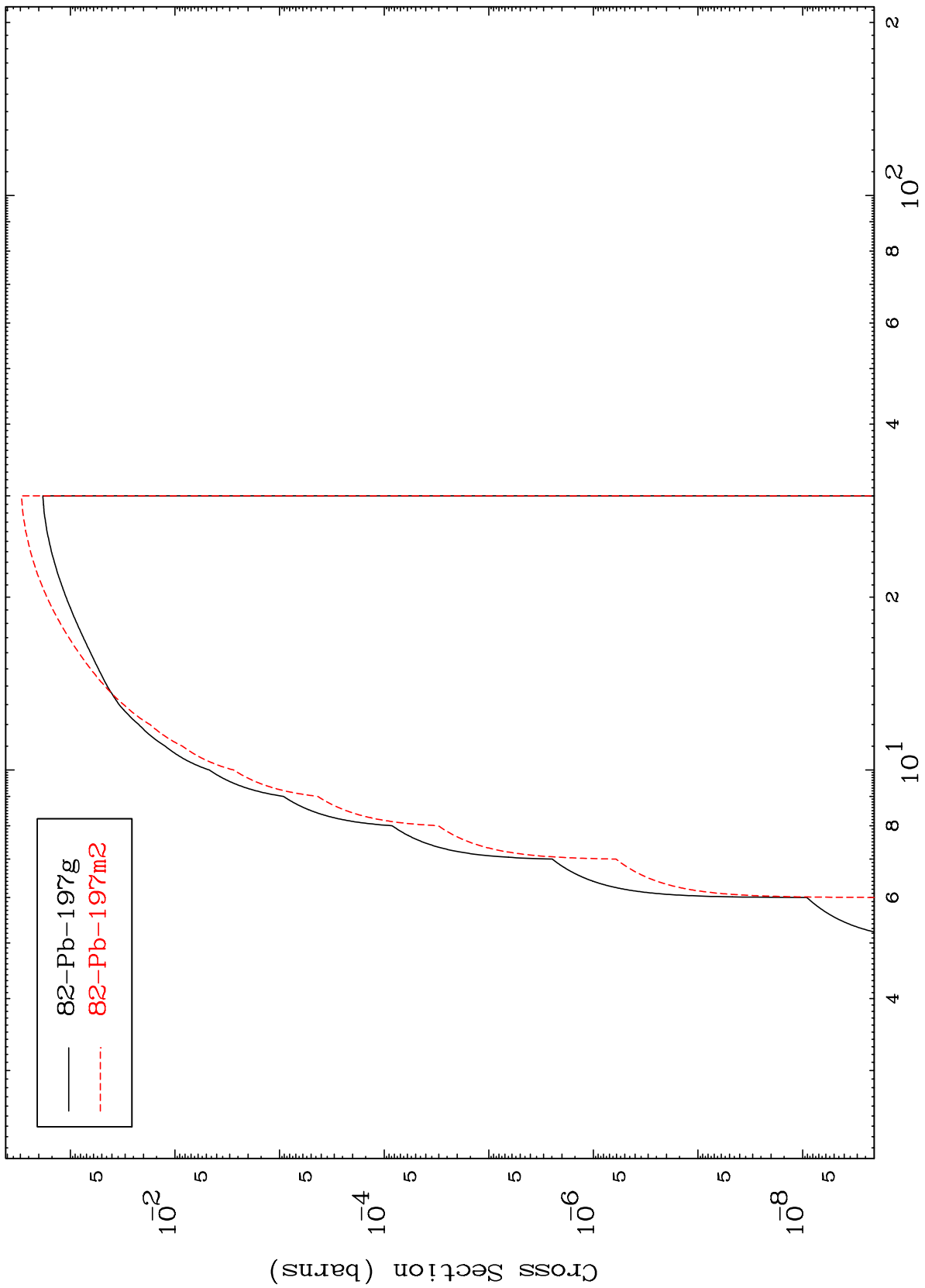


MAT 8204

(n,n') p

82-Pb-197

Radionuclide Production Cross Section

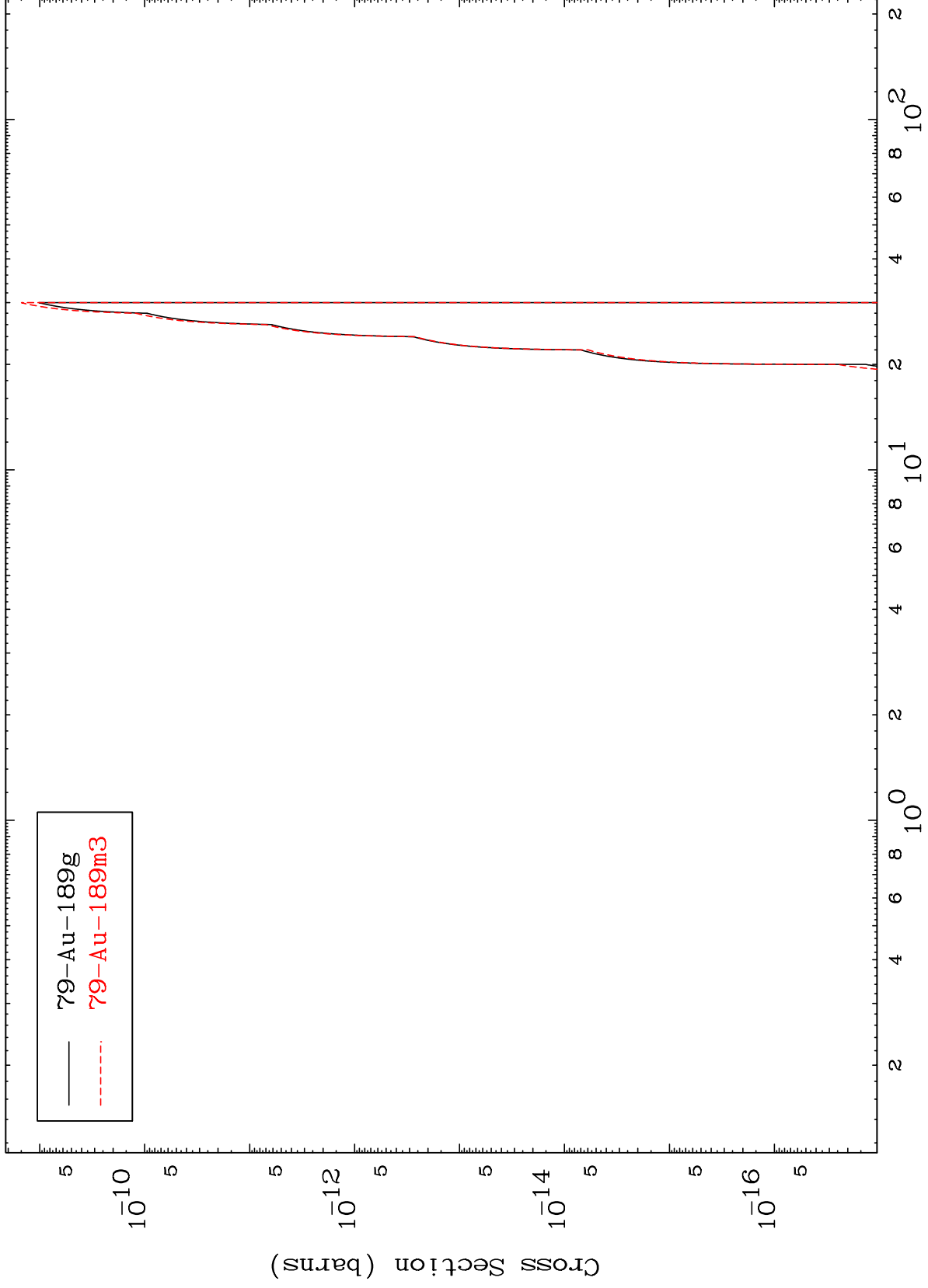


MAT 8204

(n,2n) 2α

82-Pb-197

Radionuclide Production Cross Section



22

Incident Energy (MeV)

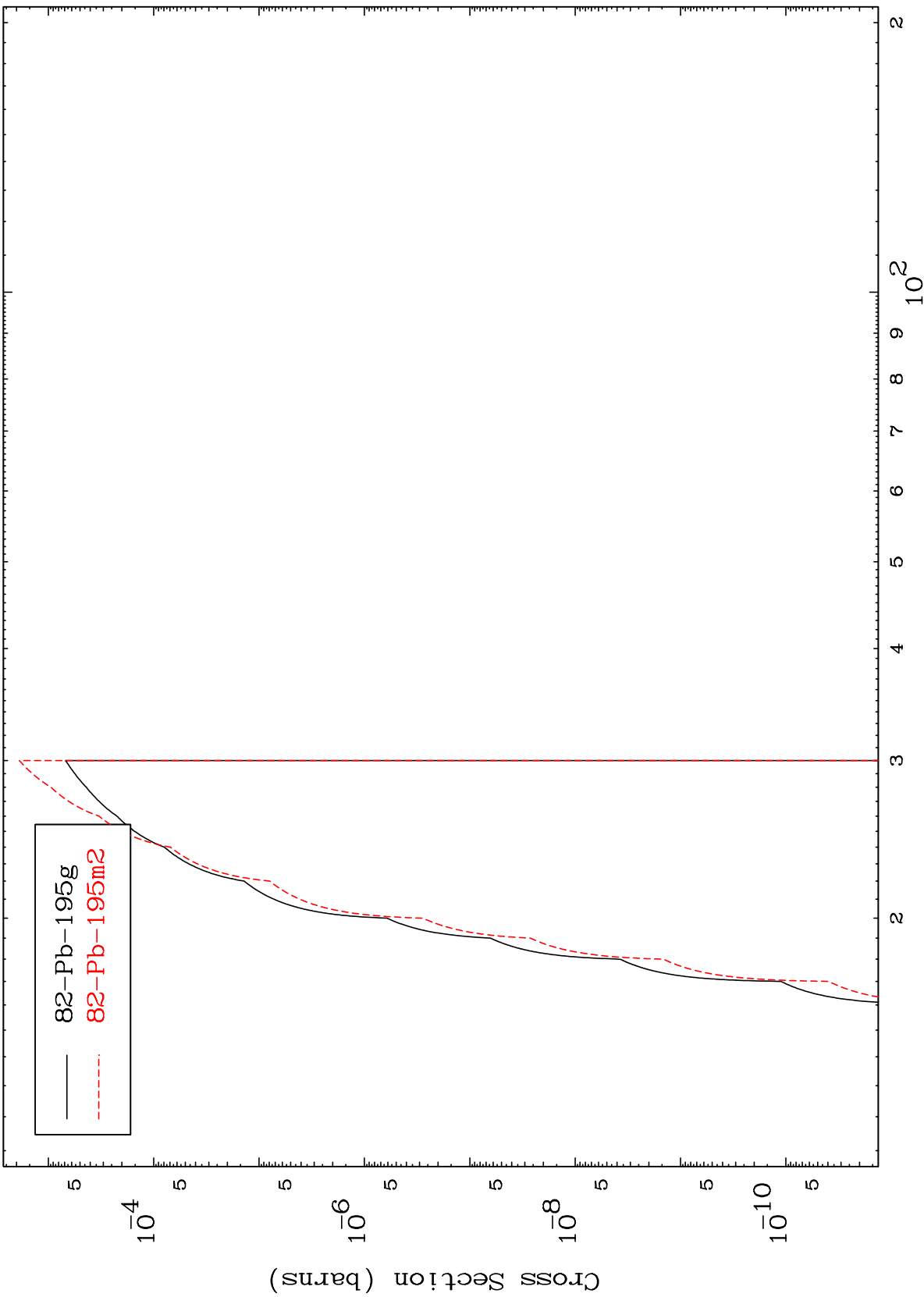
82-Pb-197

MAT 8204

(n,n') t

82-Pb-197

Radionuclide Production Cross Section

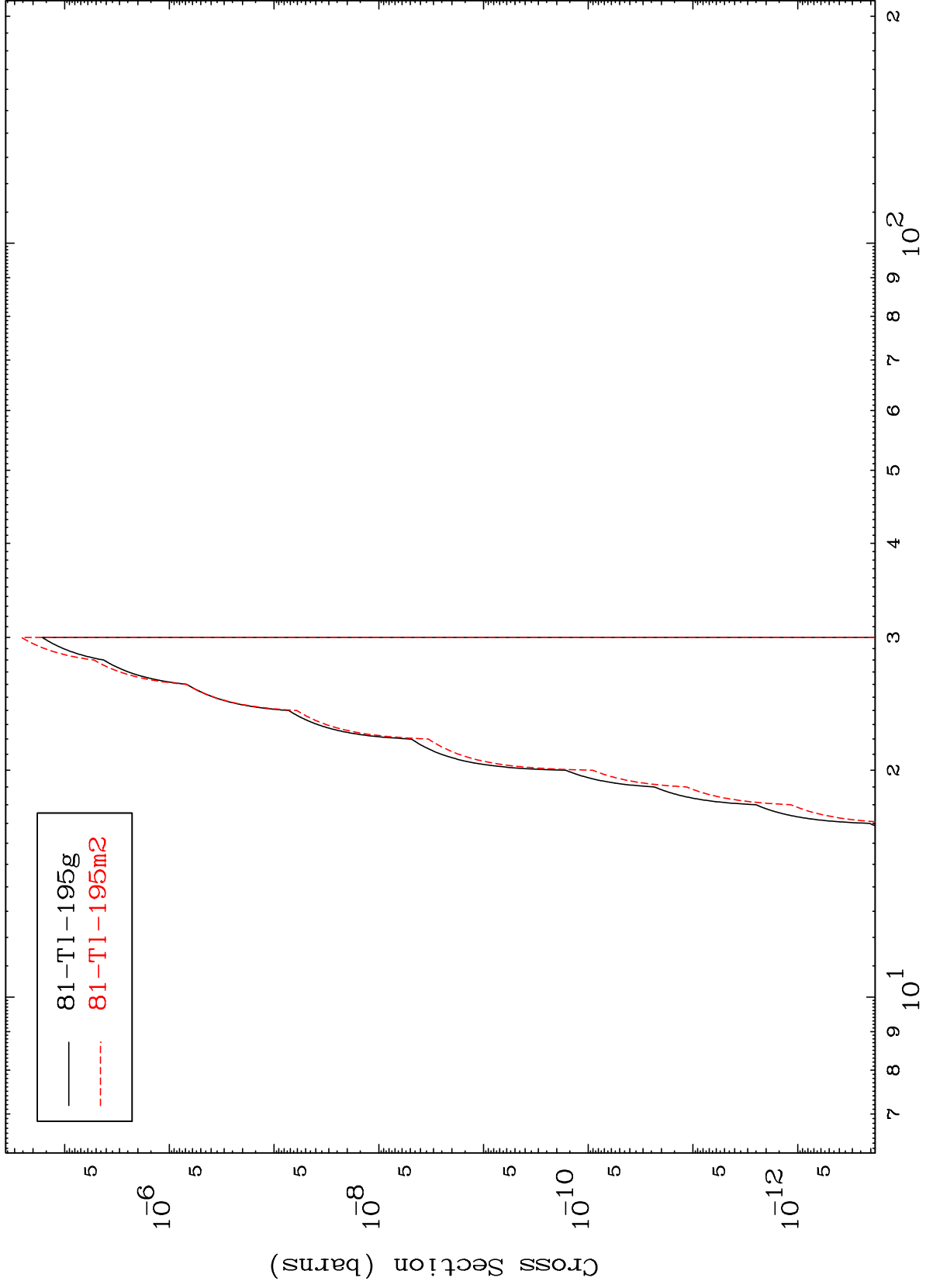


MAT 8204

(n,n') He-3

82-Pb-197

Radionuclide Production Cross Section



24

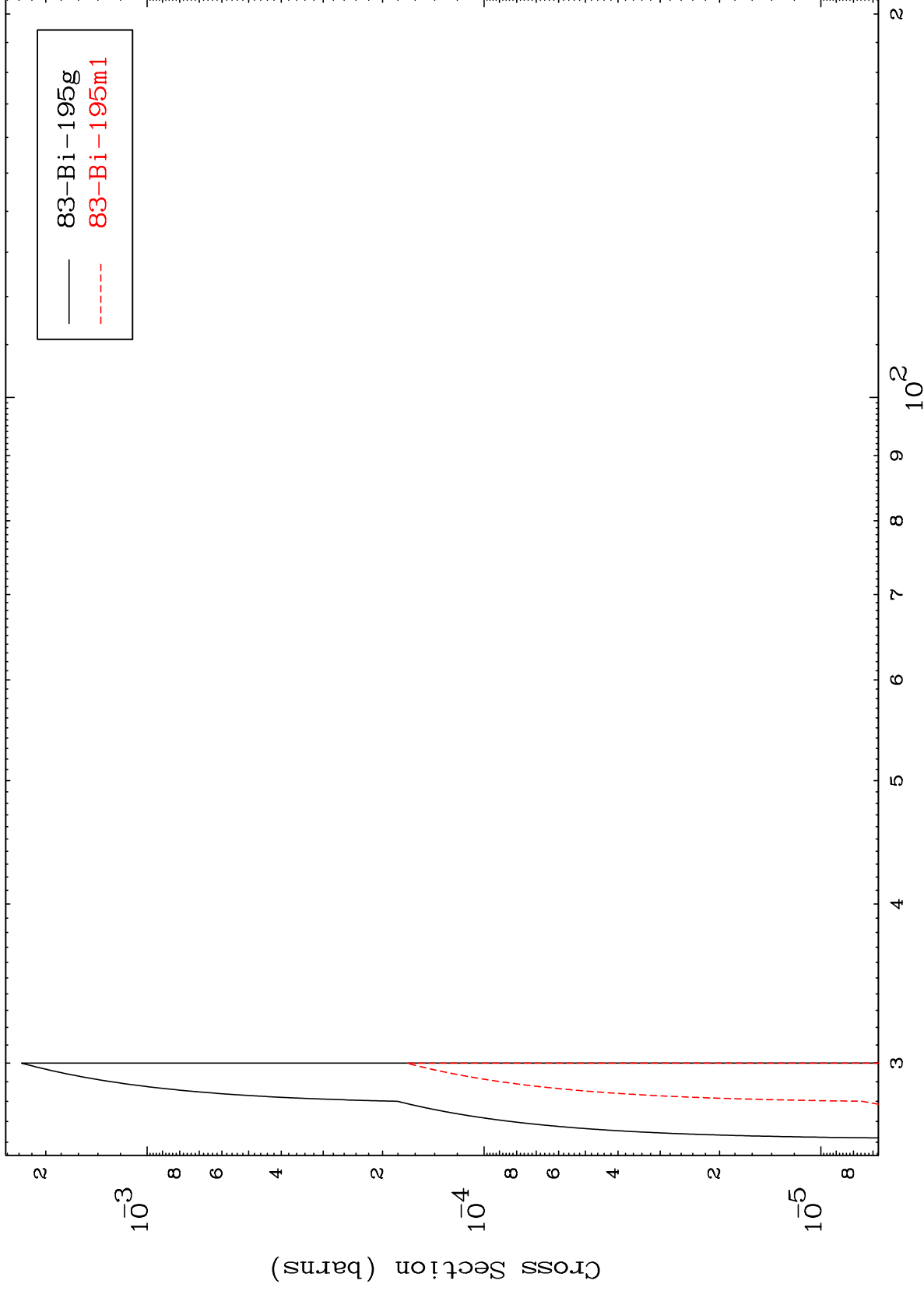
Incident Energy (MeV)

82-Pb-197

MAT 8204

82-Pb-197

(n,4n)
Radionuclide Production Cross Section



25

82-Pb-197

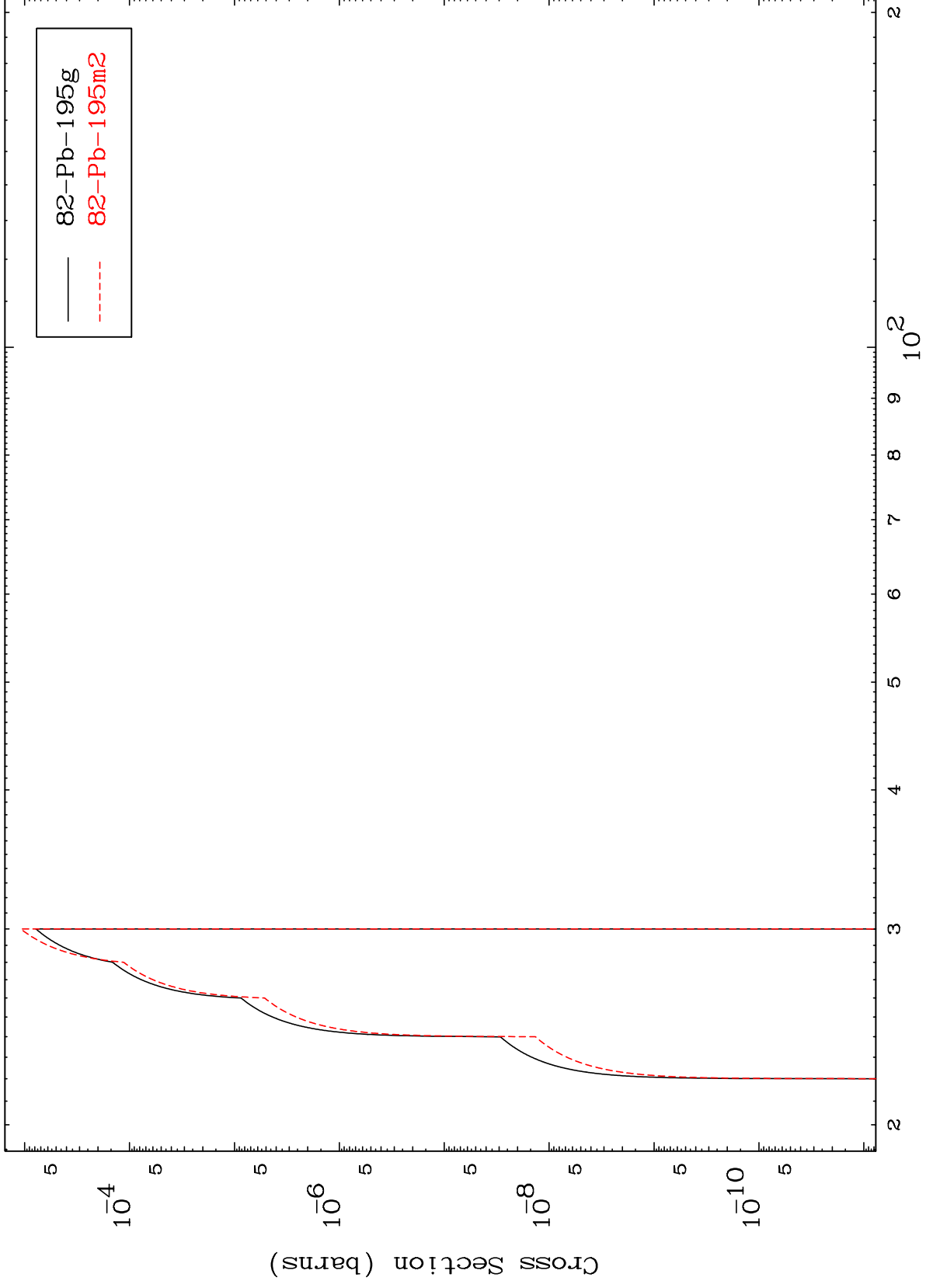
Incident Energy (MeV)

MAT 8204

(n,3n) p

82-Pb-197

Radionuclide Production Cross Section



26

Incident Energy (MeV)

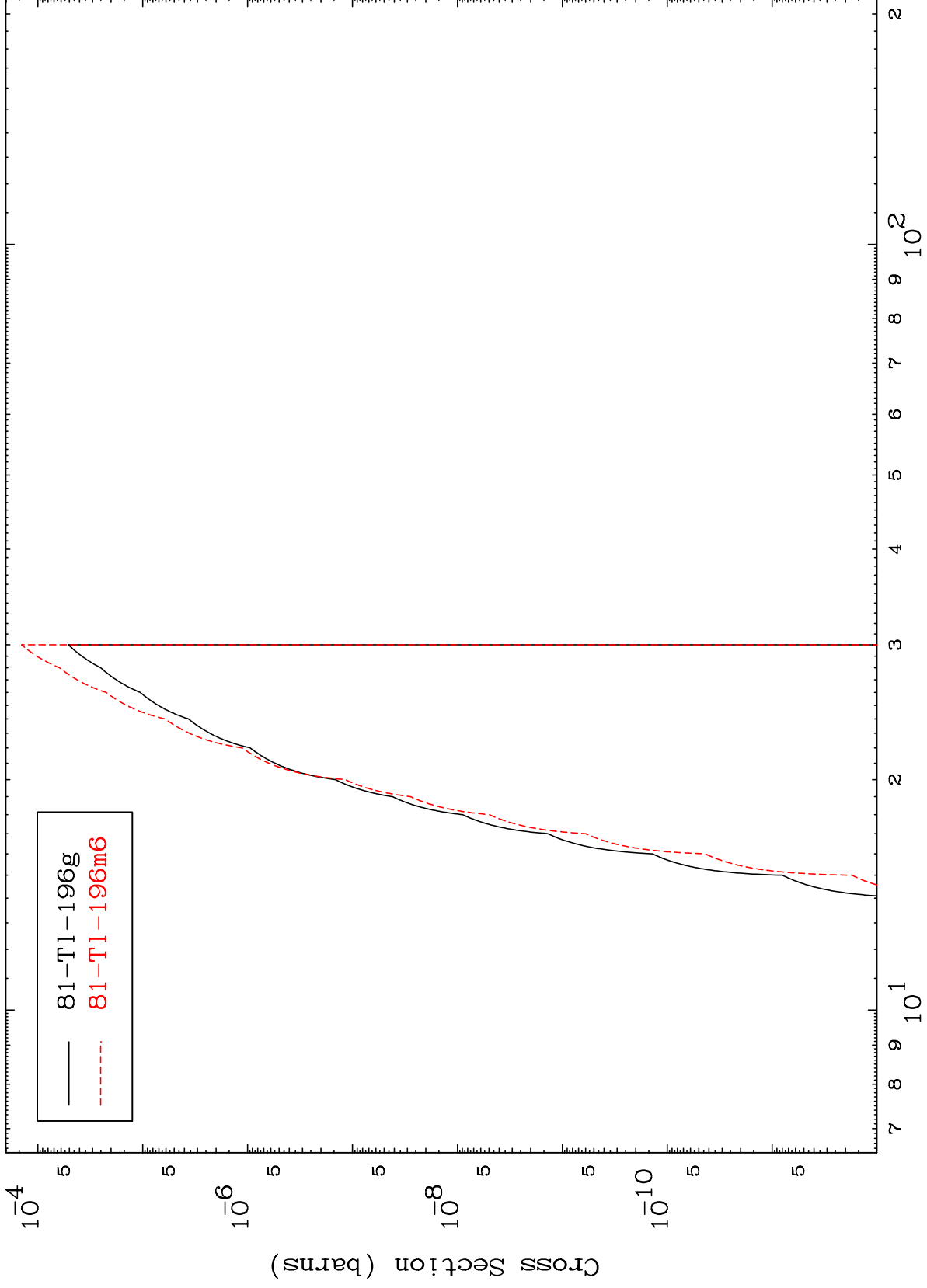
82-Pb-197

MAT 8204

(n,2n) p

82-Pb-197

Radionuclide Production Cross Section



27

Incident Energy (MeV)

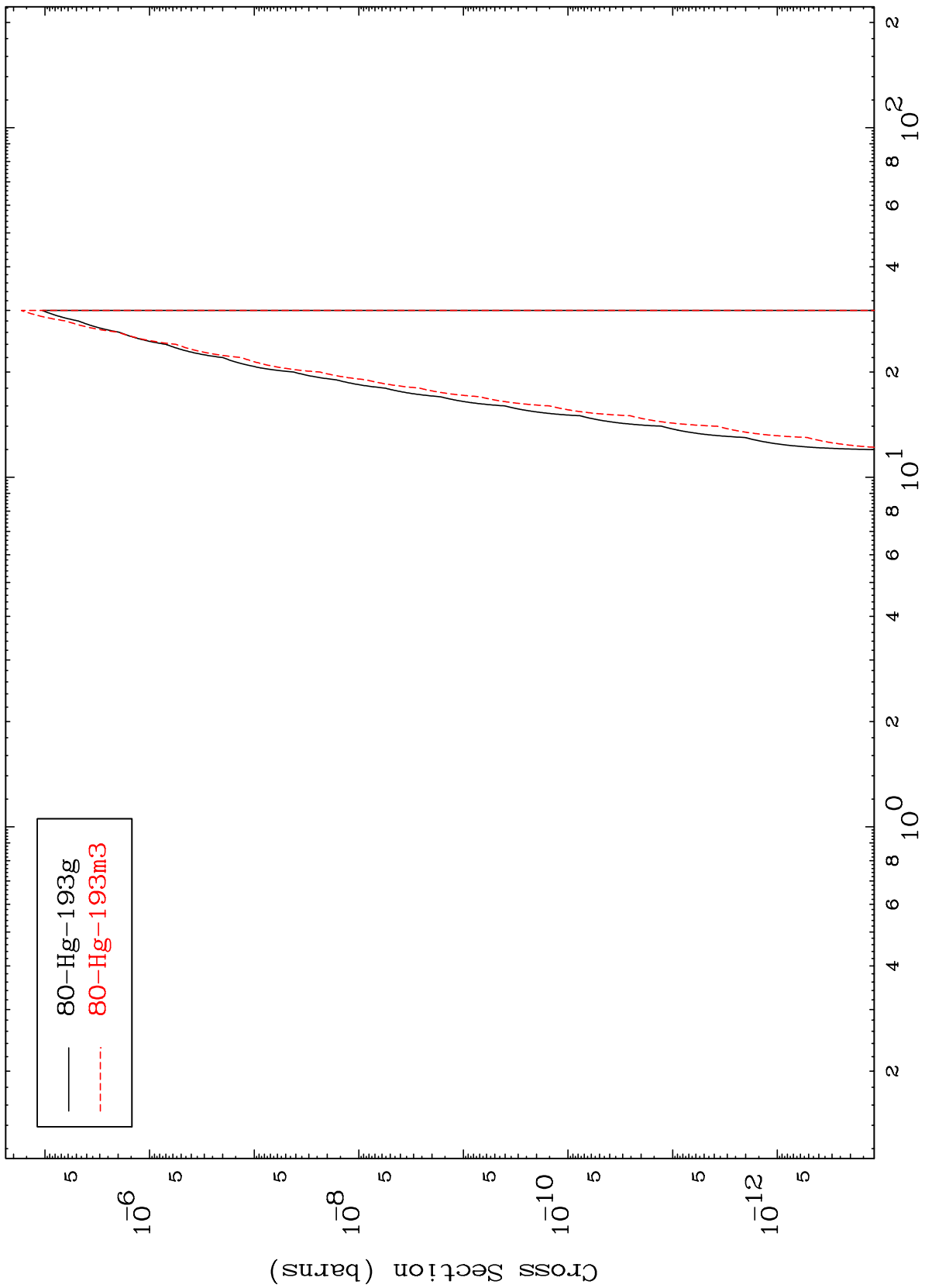
82-Pb-197

MAT 8204

(n,n') p α

82-Pb-197

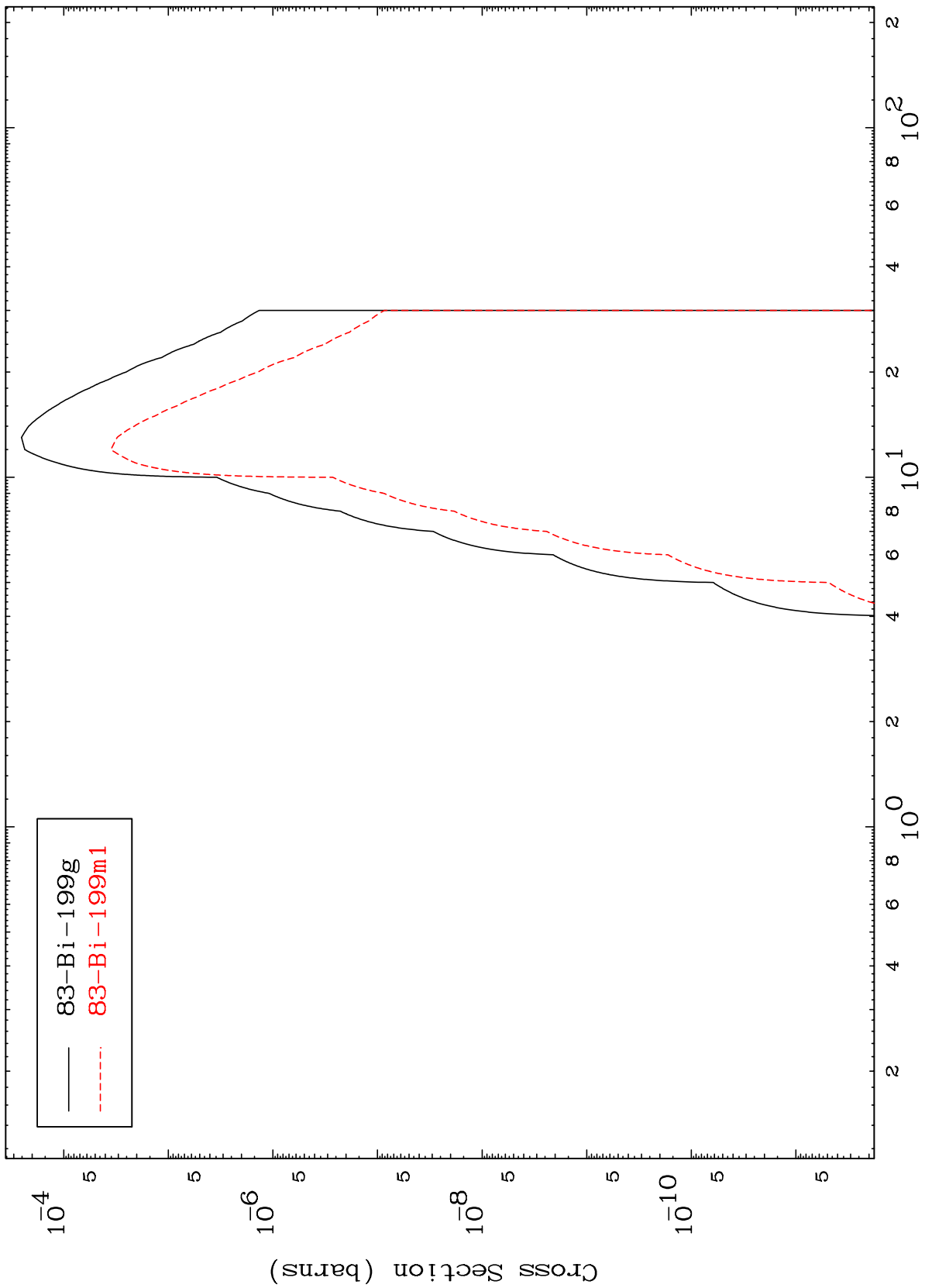
Radionuclide Production Cross Section



MAT 8204

82-Pb-197

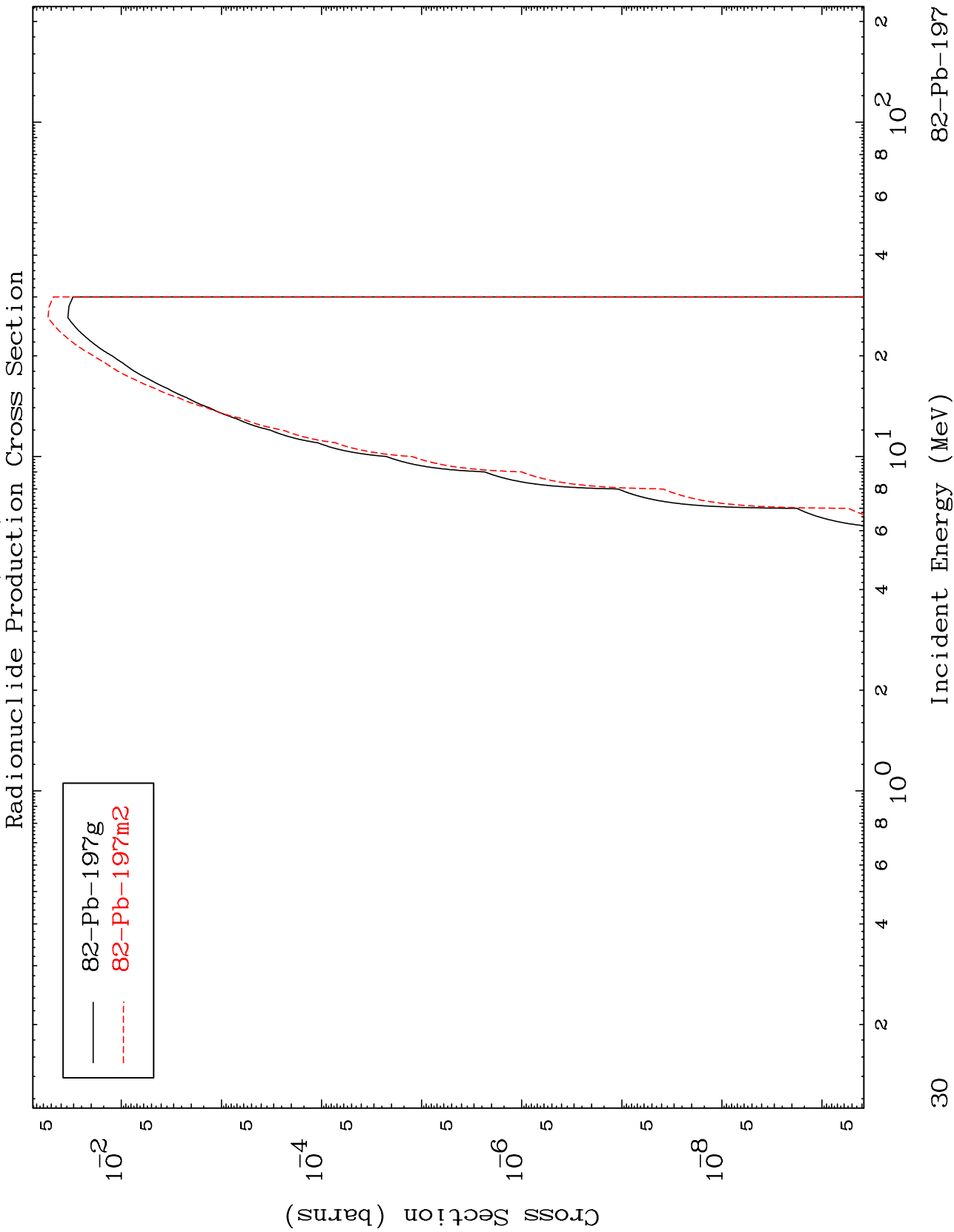
(n, γ)
Radionuclide Production Cross Section



MAT 8204

(n,d)

82-Pb-197



30

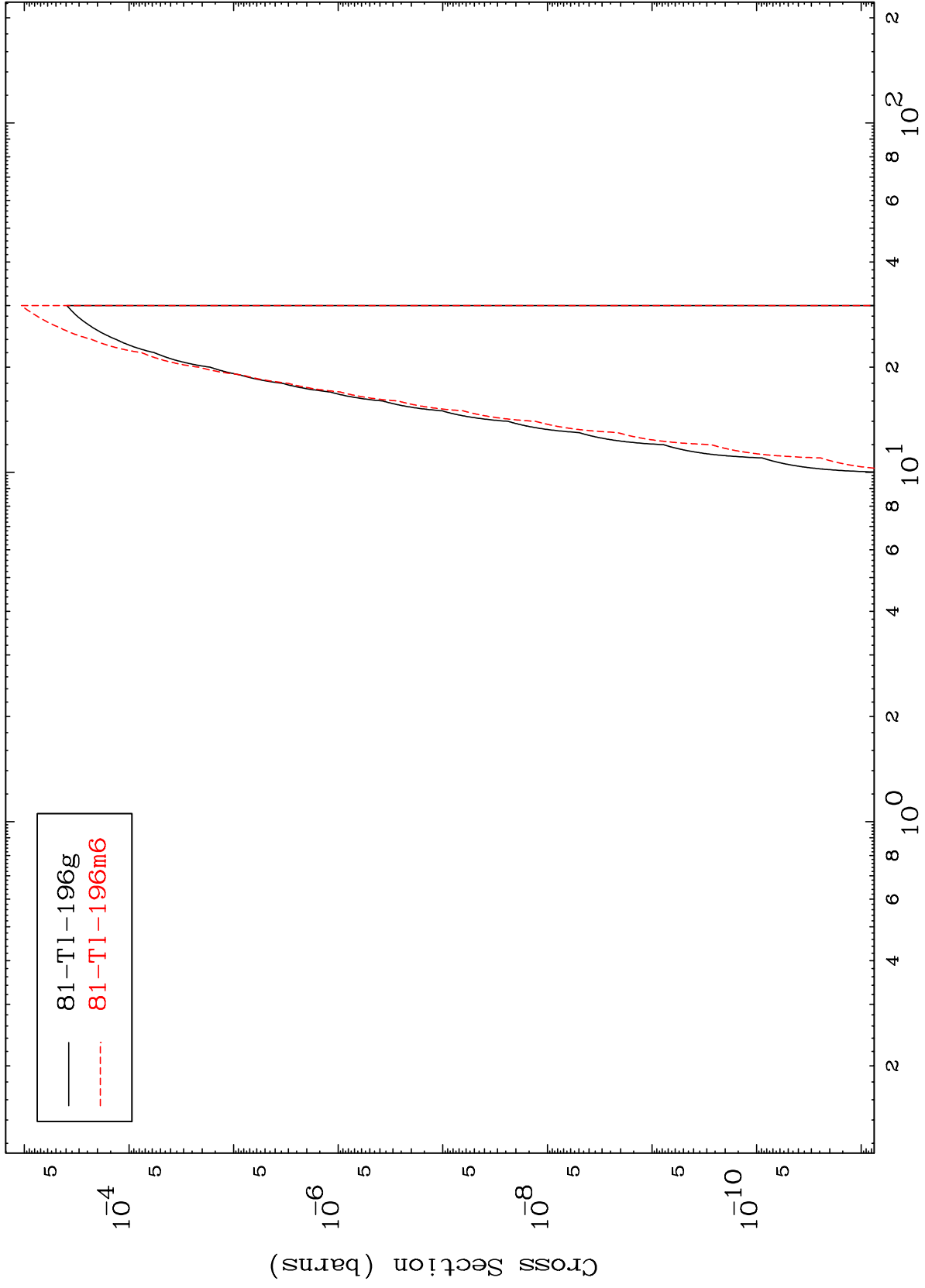
82-Pb-197

MAT 8204

(n,He-3)

82-Pb-197

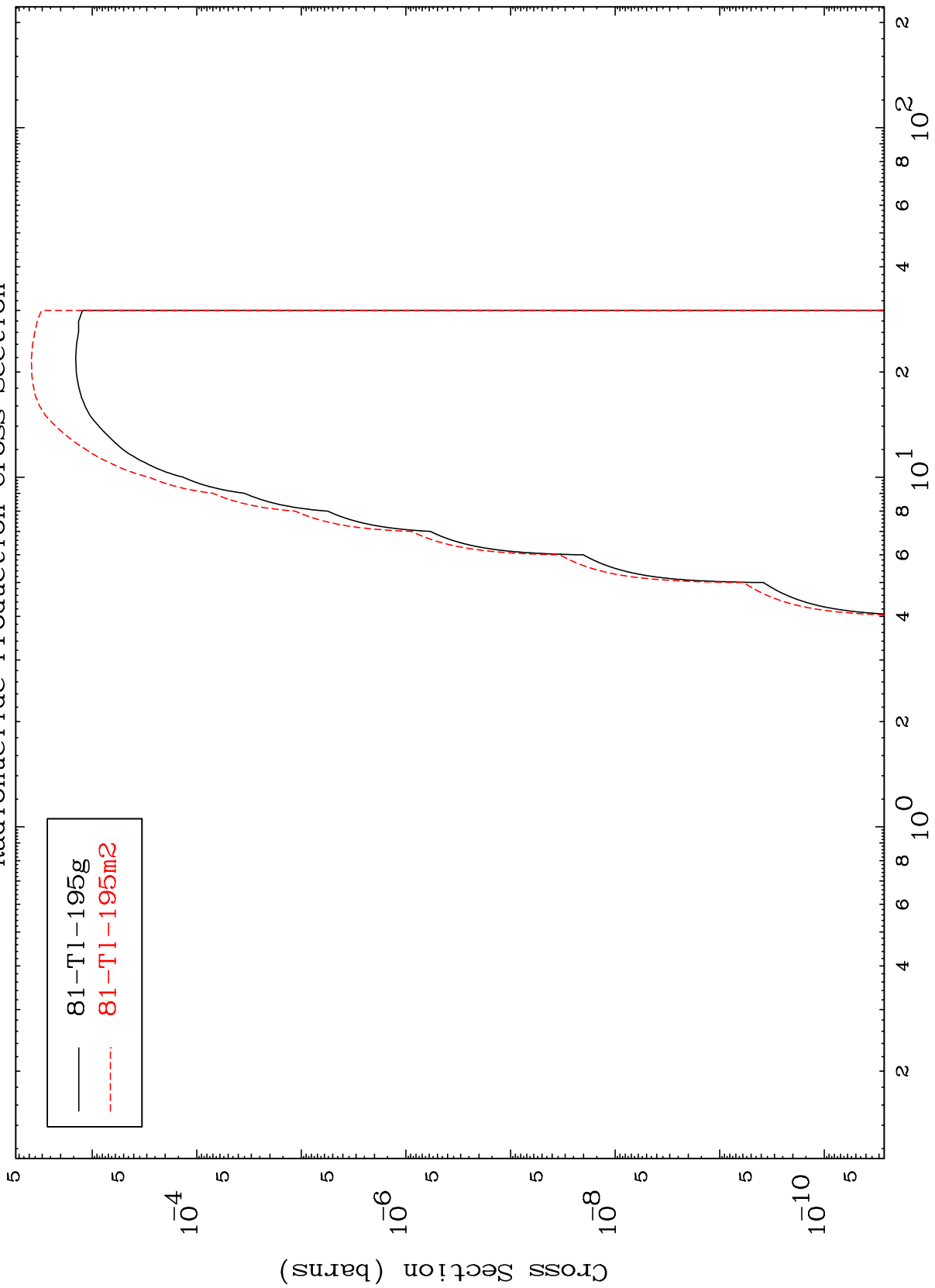
Radionuclide Production Cross Section



MAT 8204

82-Pb-197

Radionuclide Production Cross Section
(n, α)



81-Tl-195g
81-Tl-195m2

82-Pb-197

Incident Energy (MeV)

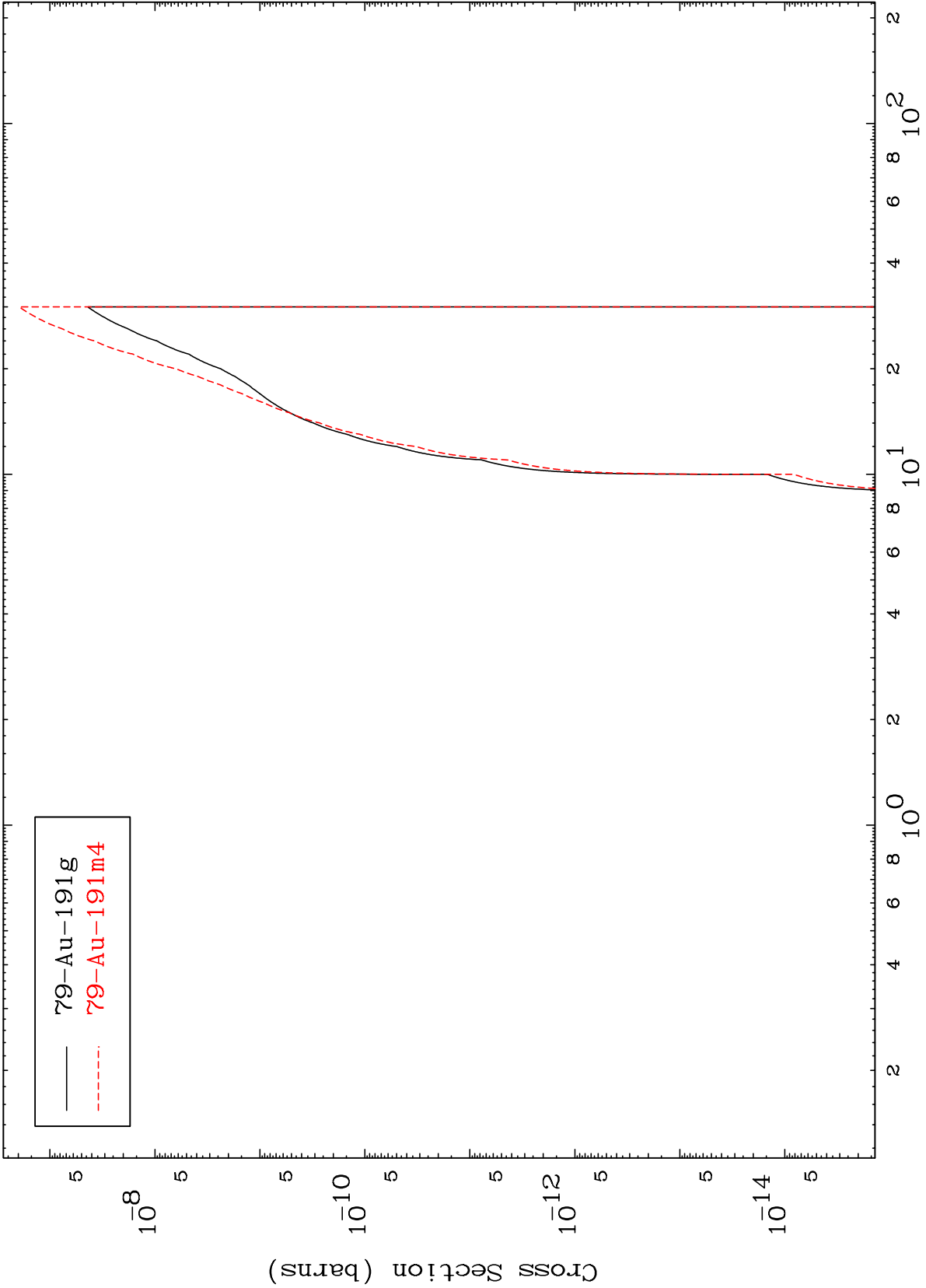
32

MAT 8204

(n,2α)

82-Pb-197

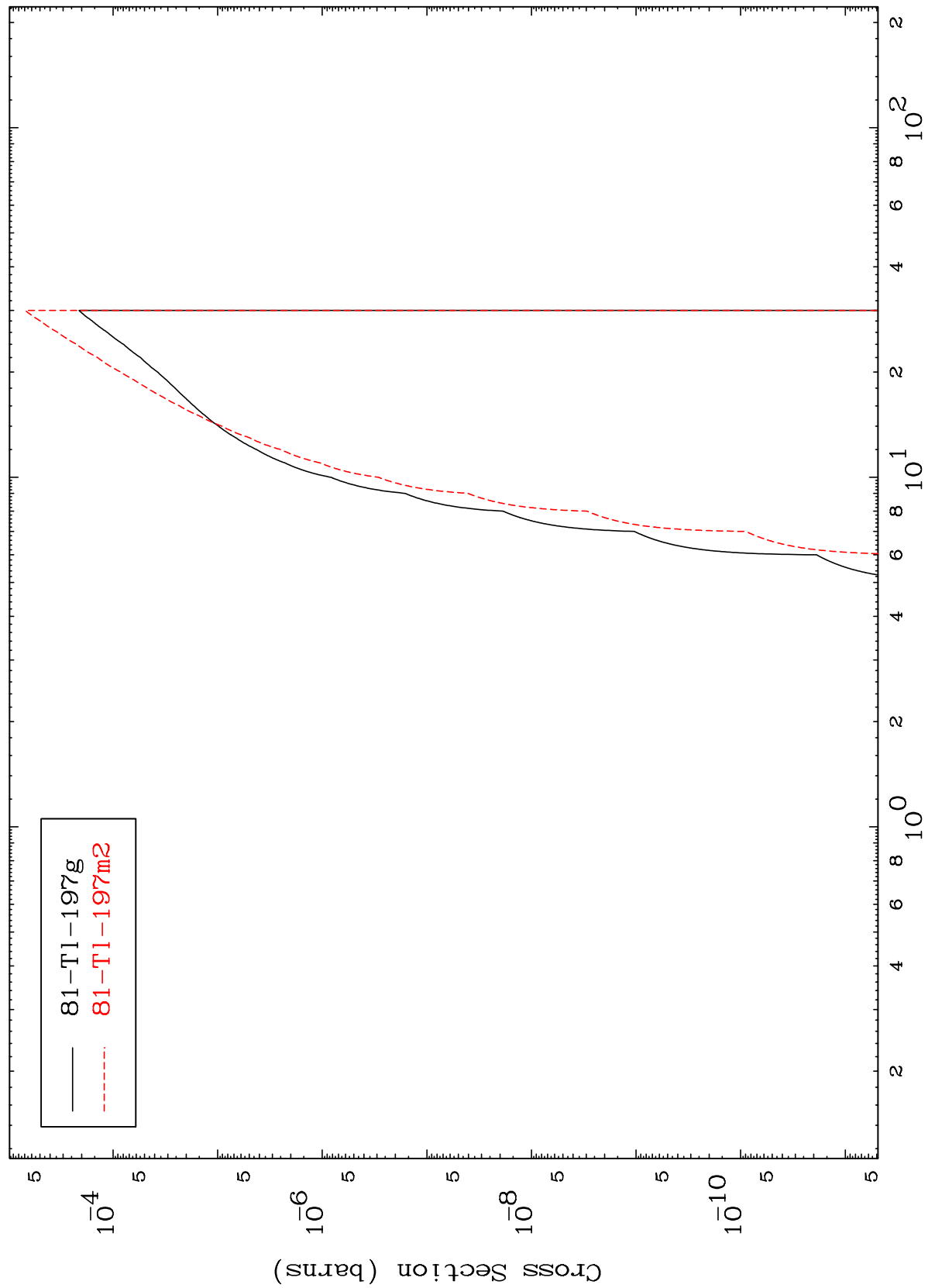
Radionuclide Production Cross Section



MAT 8204

82-Pb-197

Radionuclide Production Cross Section
(n,2p)

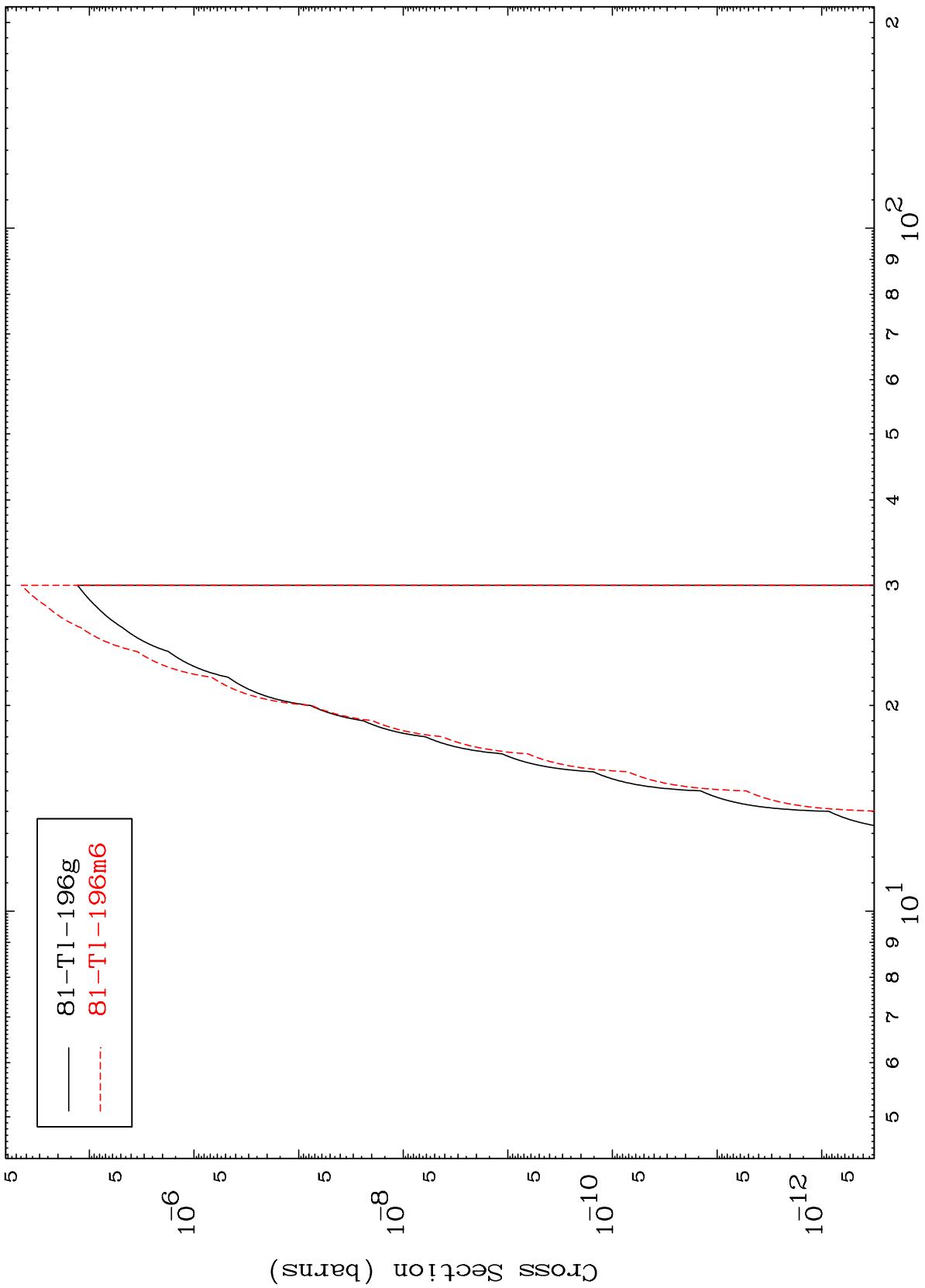


34

82-Pb-197

Incident Energy (MeV)

Radionuclide Production Cross Section

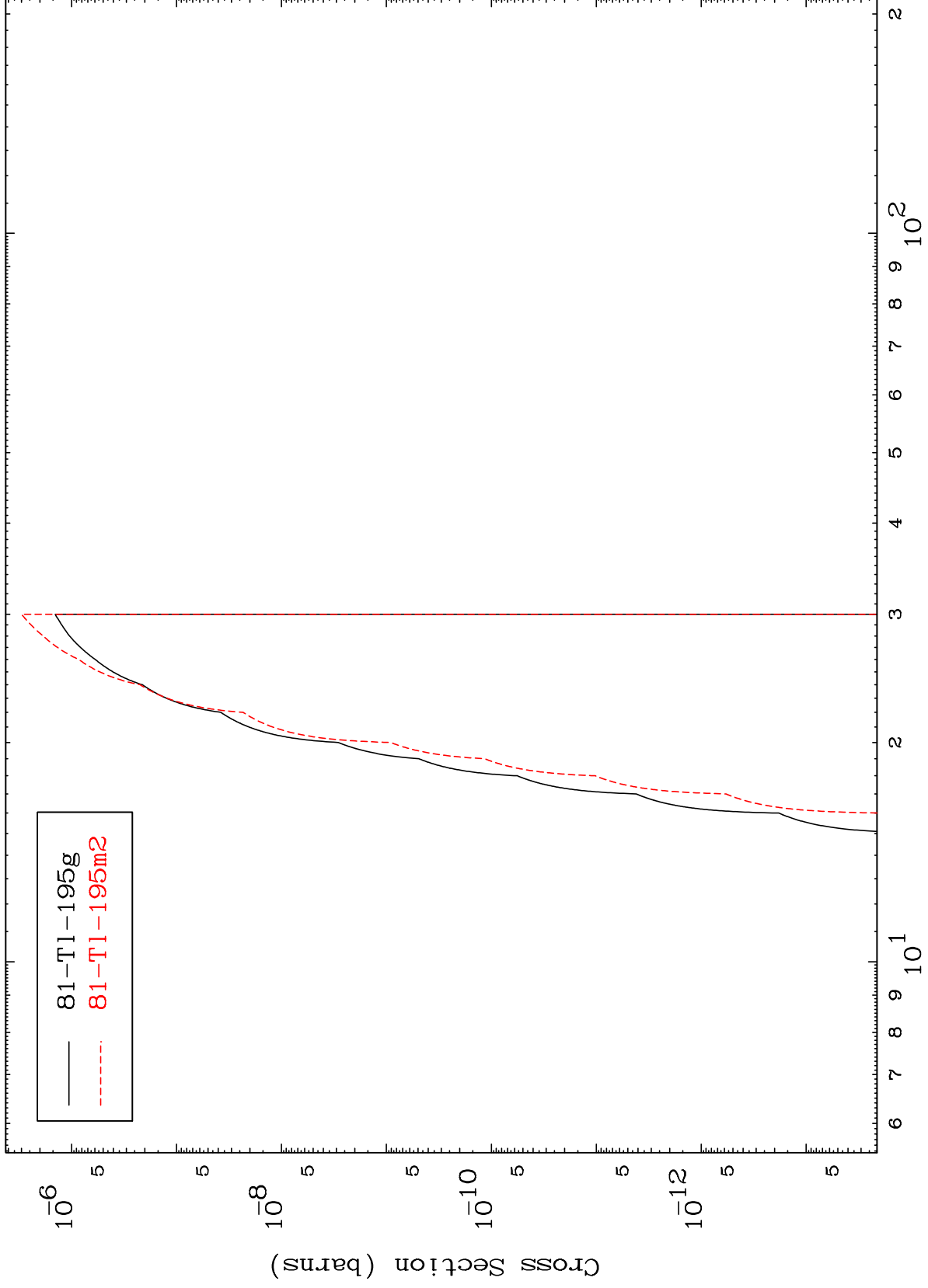


MAT 8204

(n,p) t

82-Pb-197

Radionuclide Production Cross Section



36

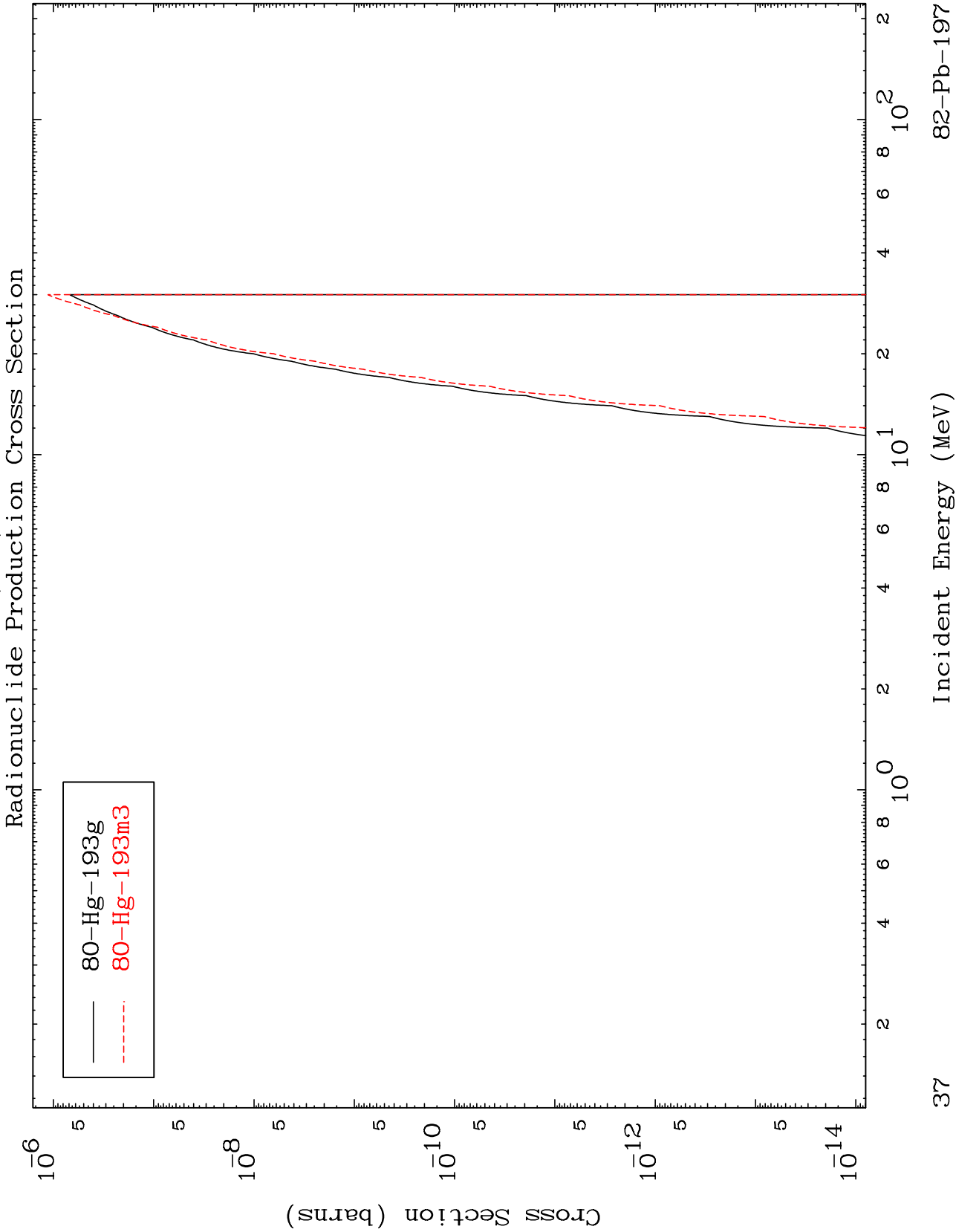
Incident Energy (MeV)

82-Pb-197

MAT 8204

(n,d) α

82-Pb-197



80-Hg-193g
80-Hg-193m3