

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

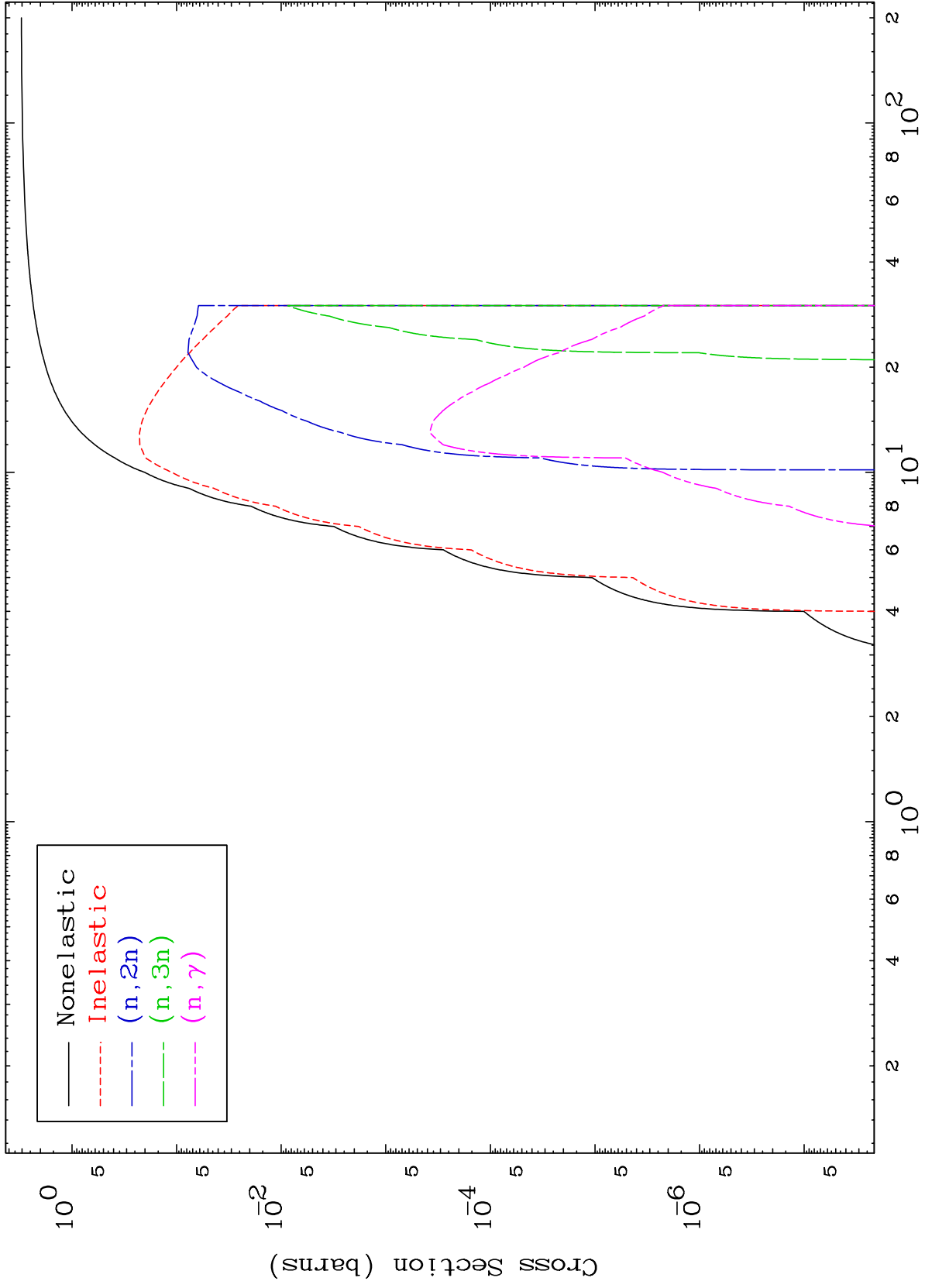
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

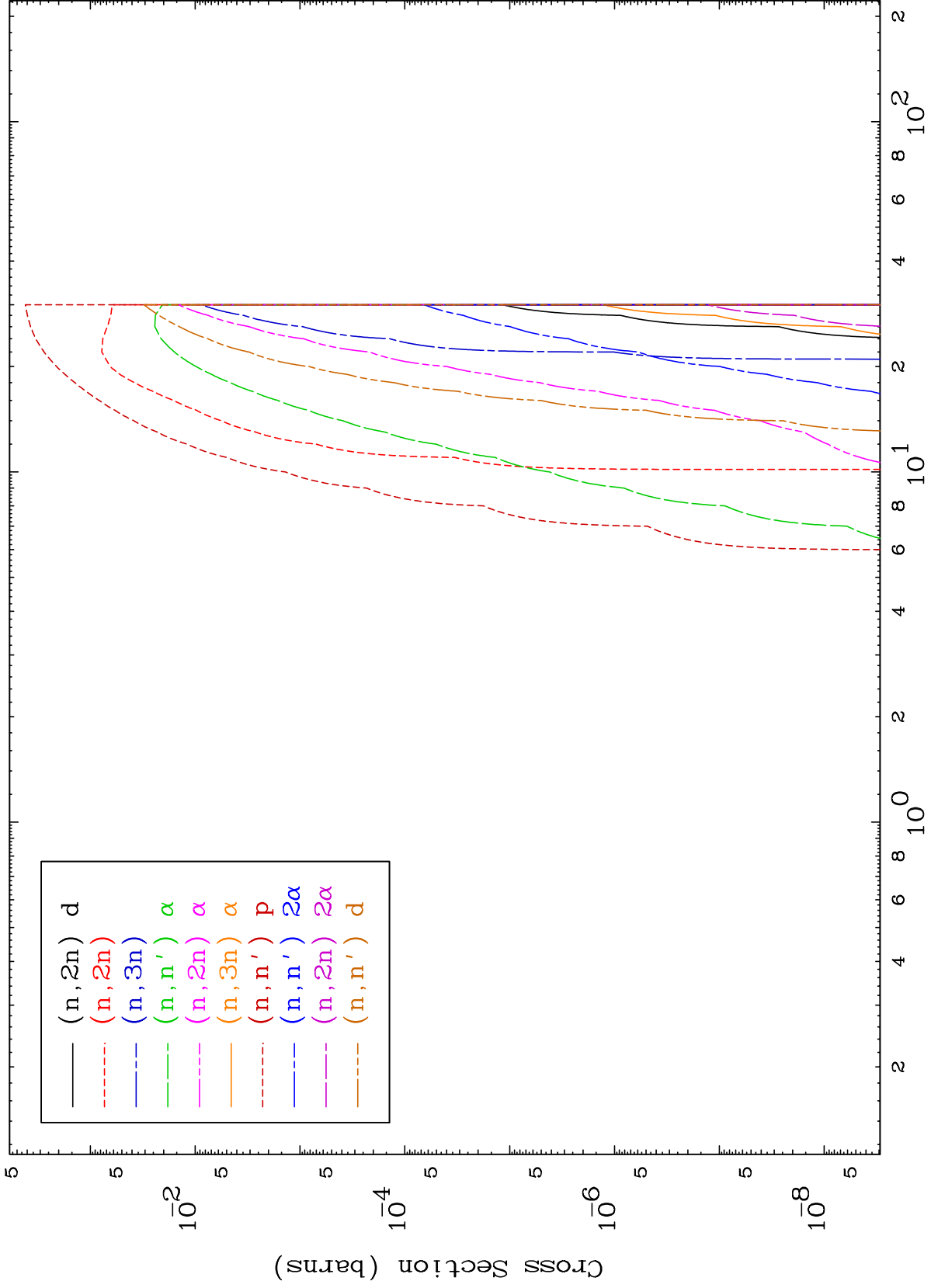
Tele: 925-443-1911

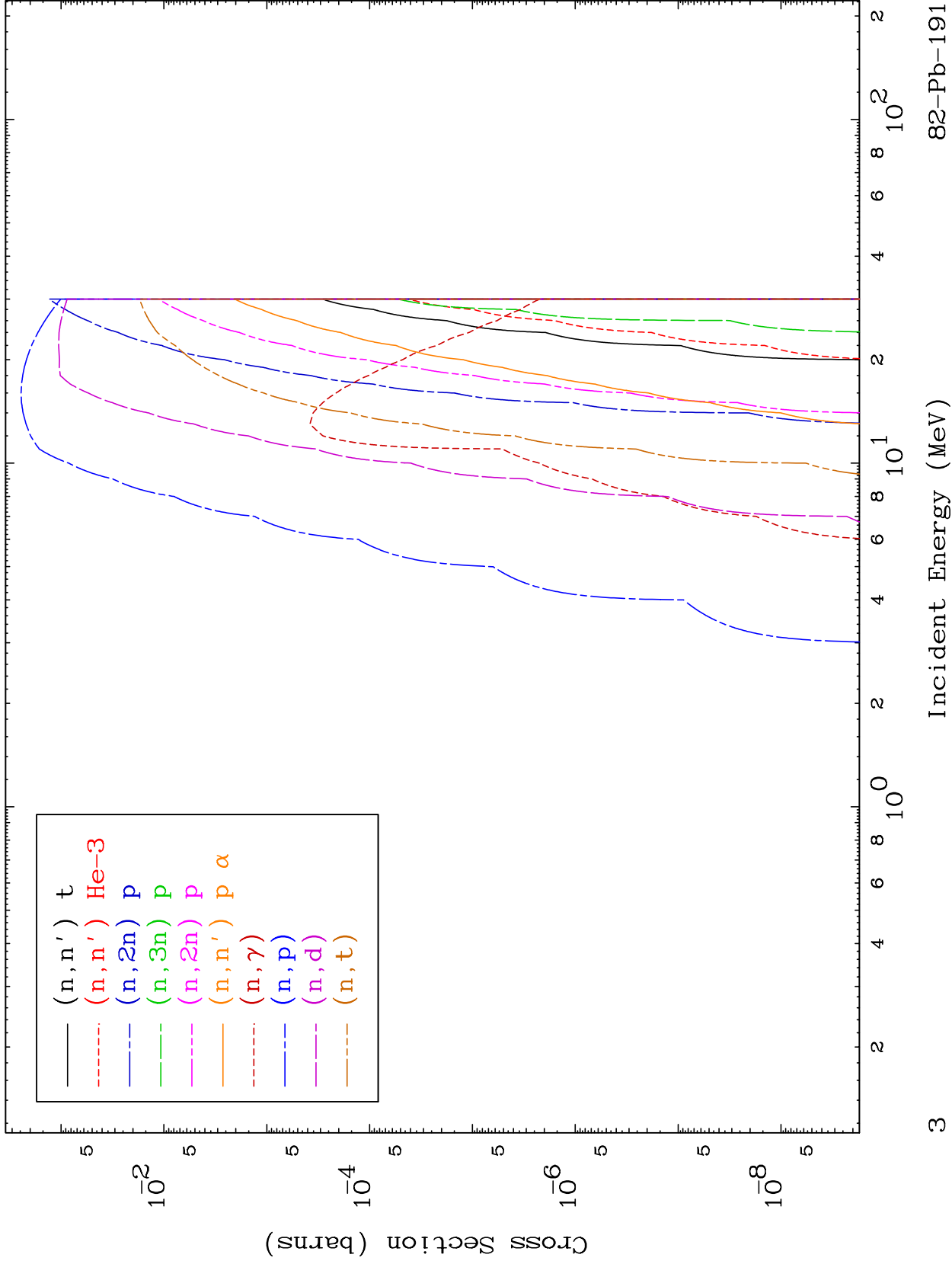
E.Mail:redcullen1@comcast.net

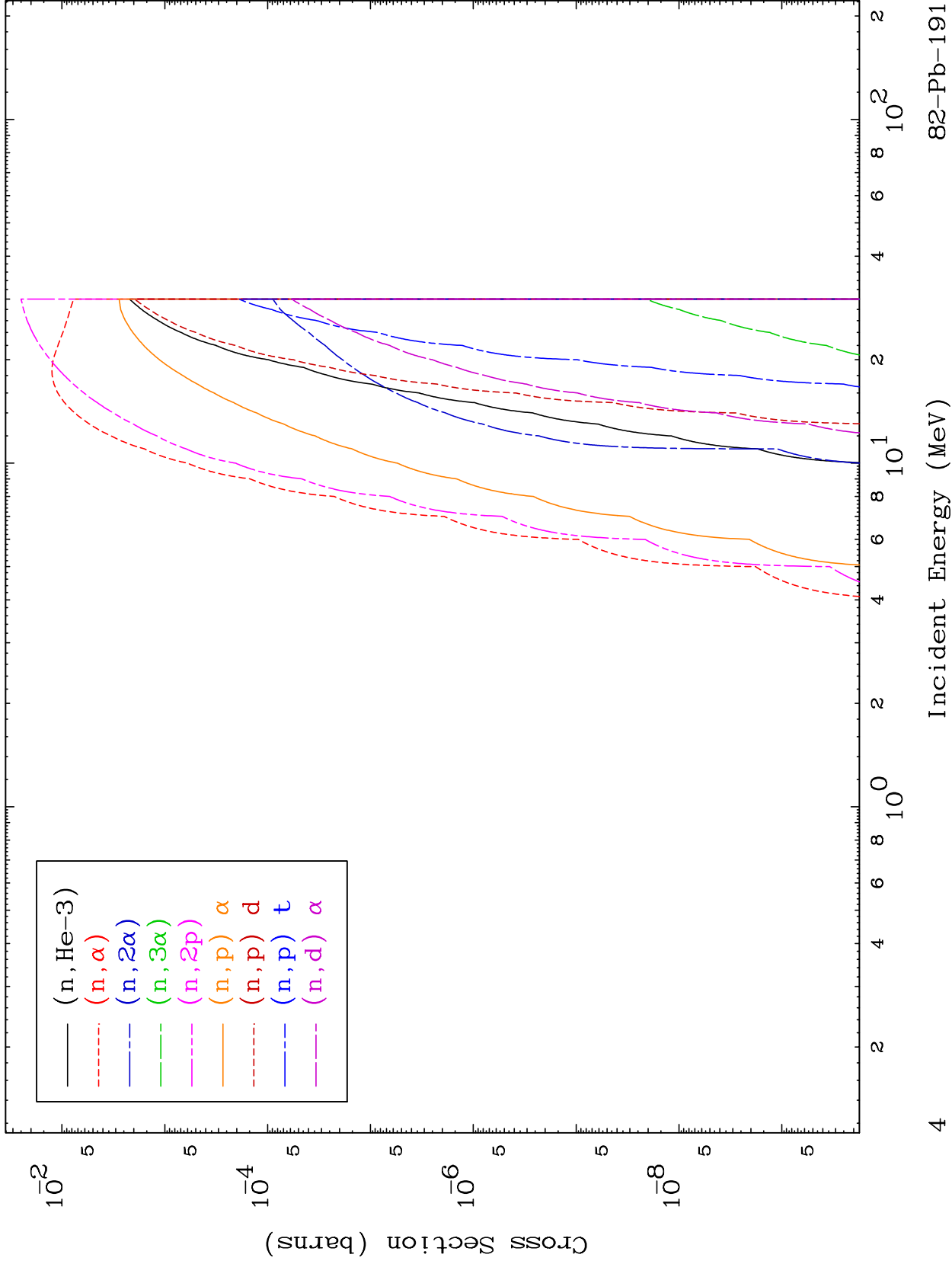
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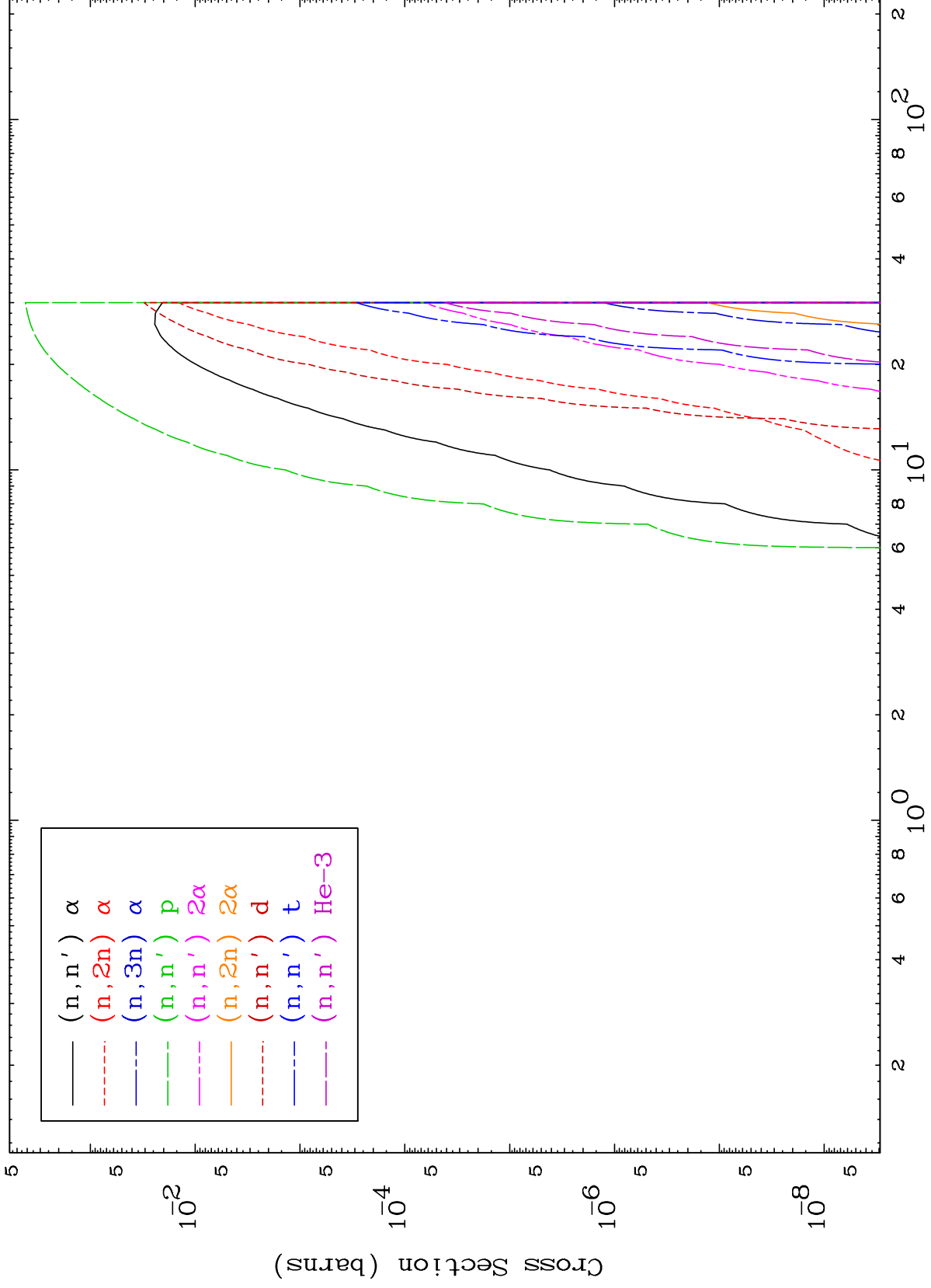
Press Mouse Button to Start

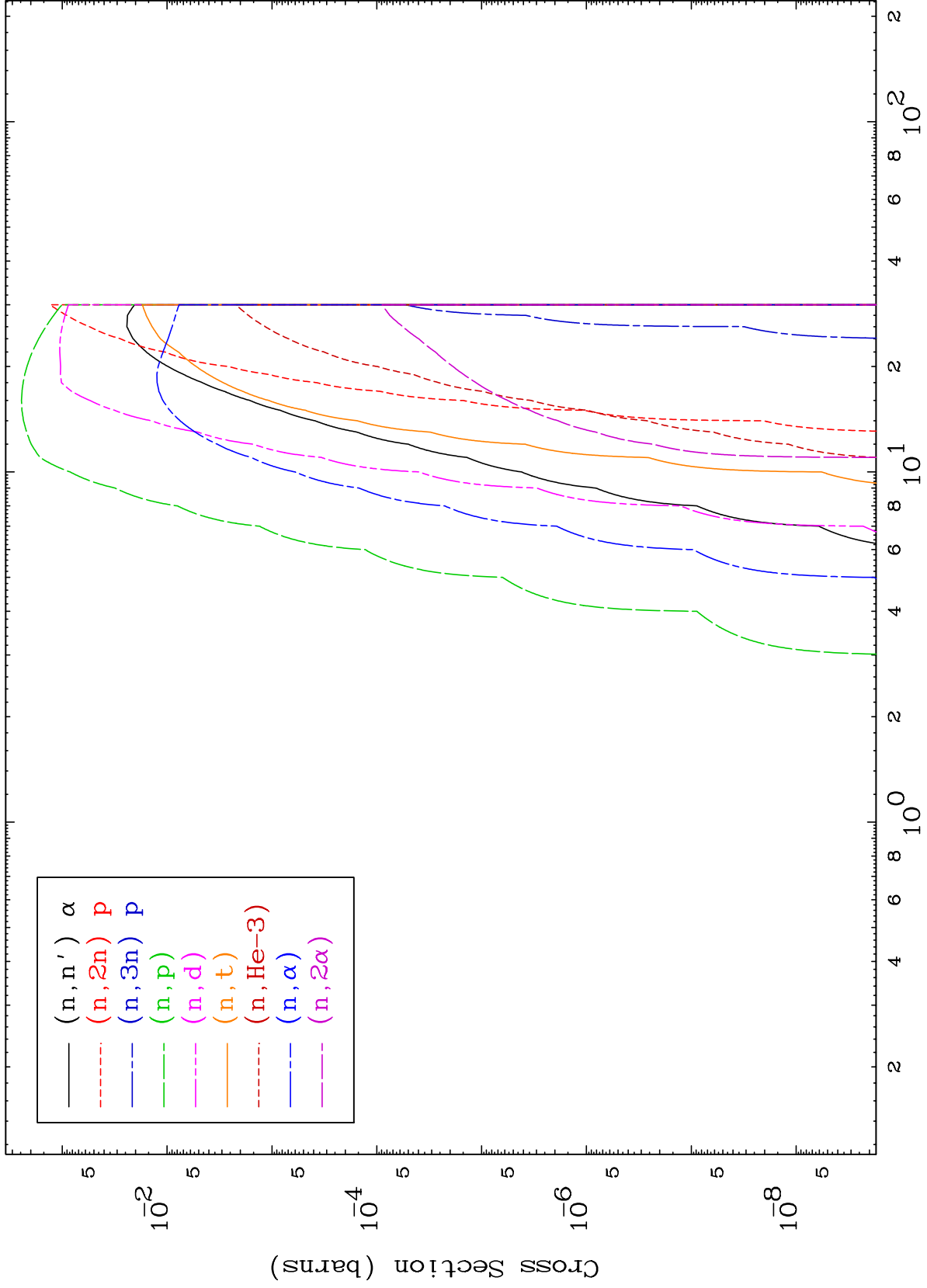


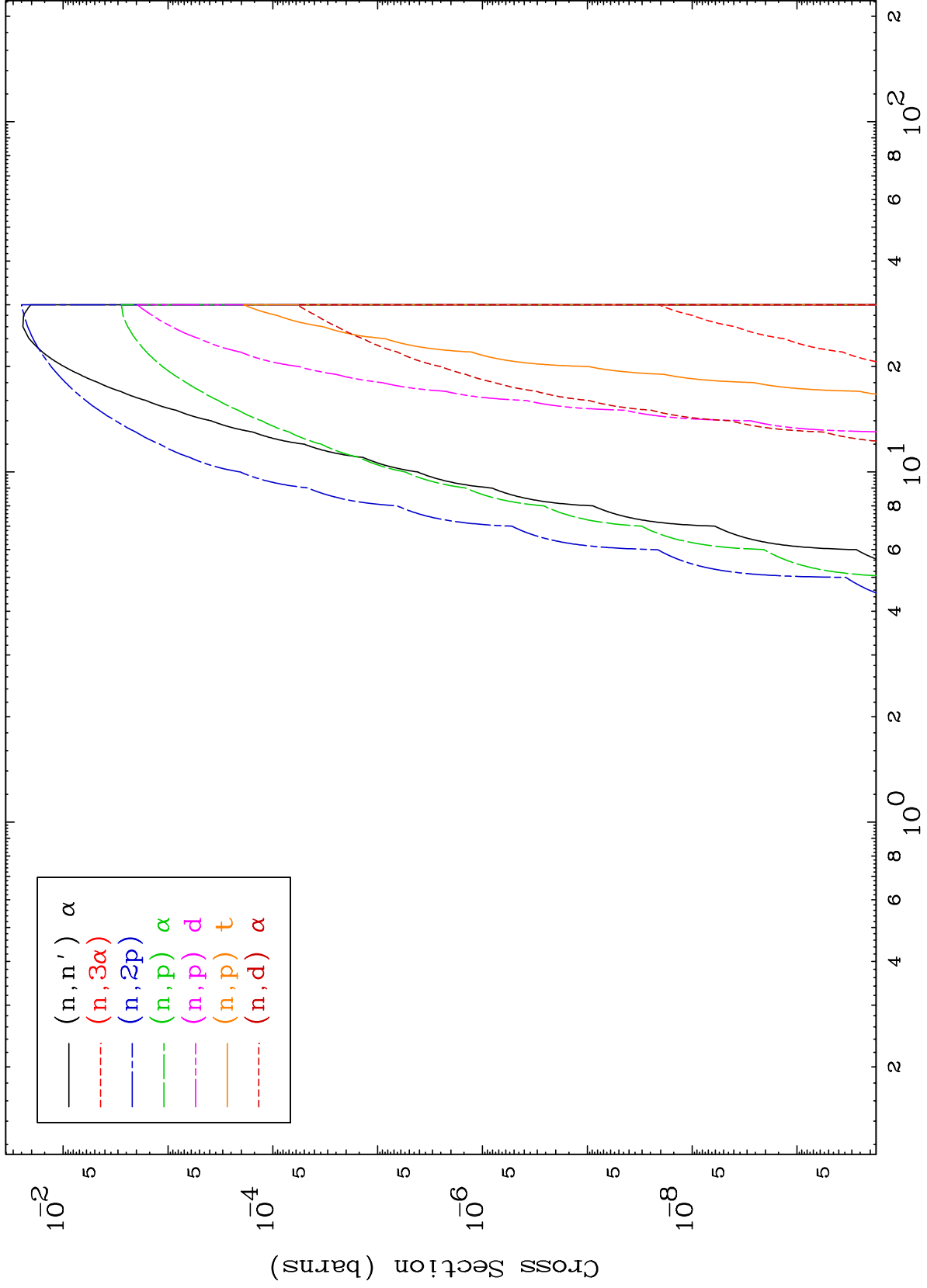










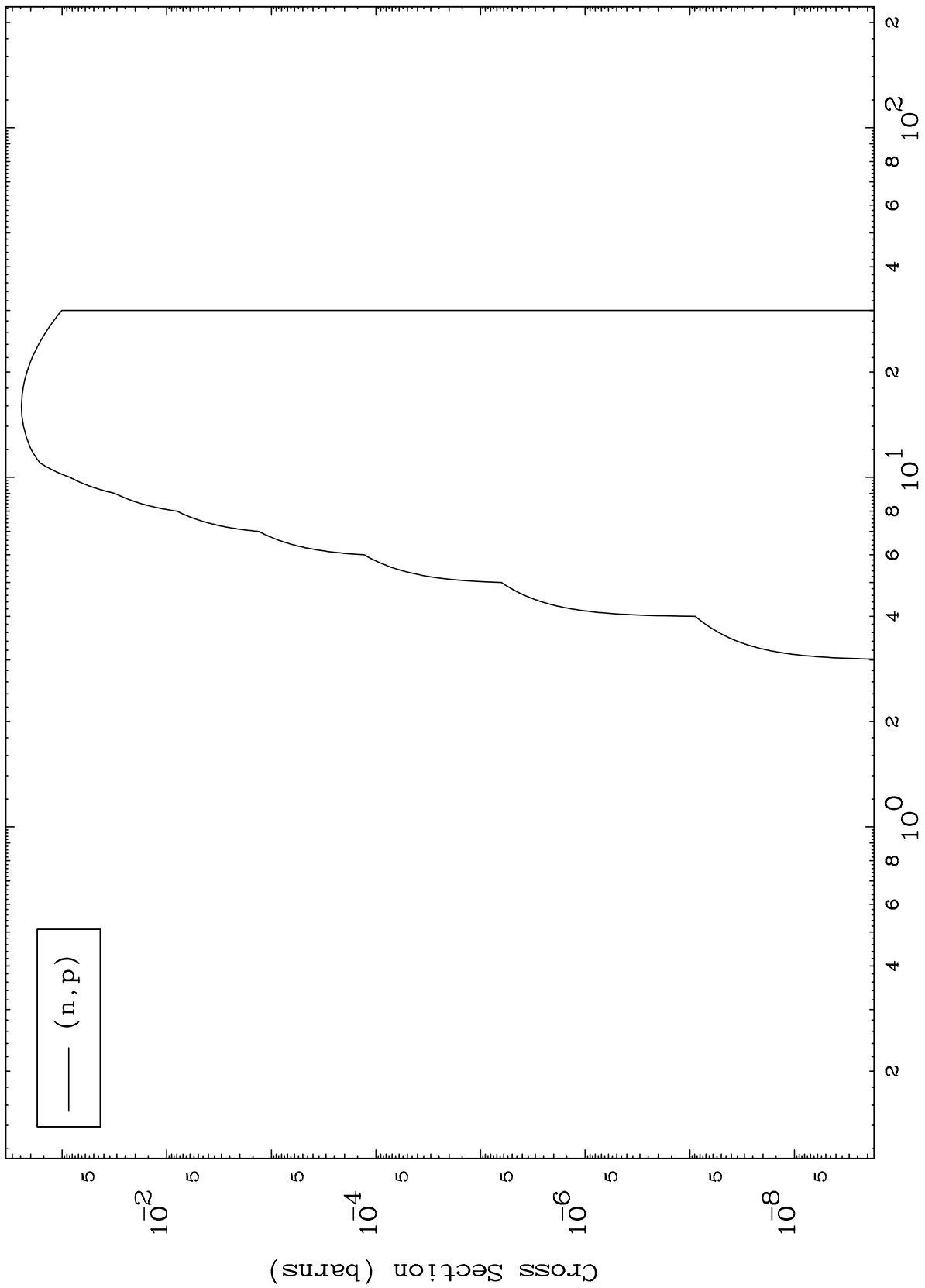


MAT 8186

(d,p) Levels

82-Pb-191

0 Kelvin Cross Sections



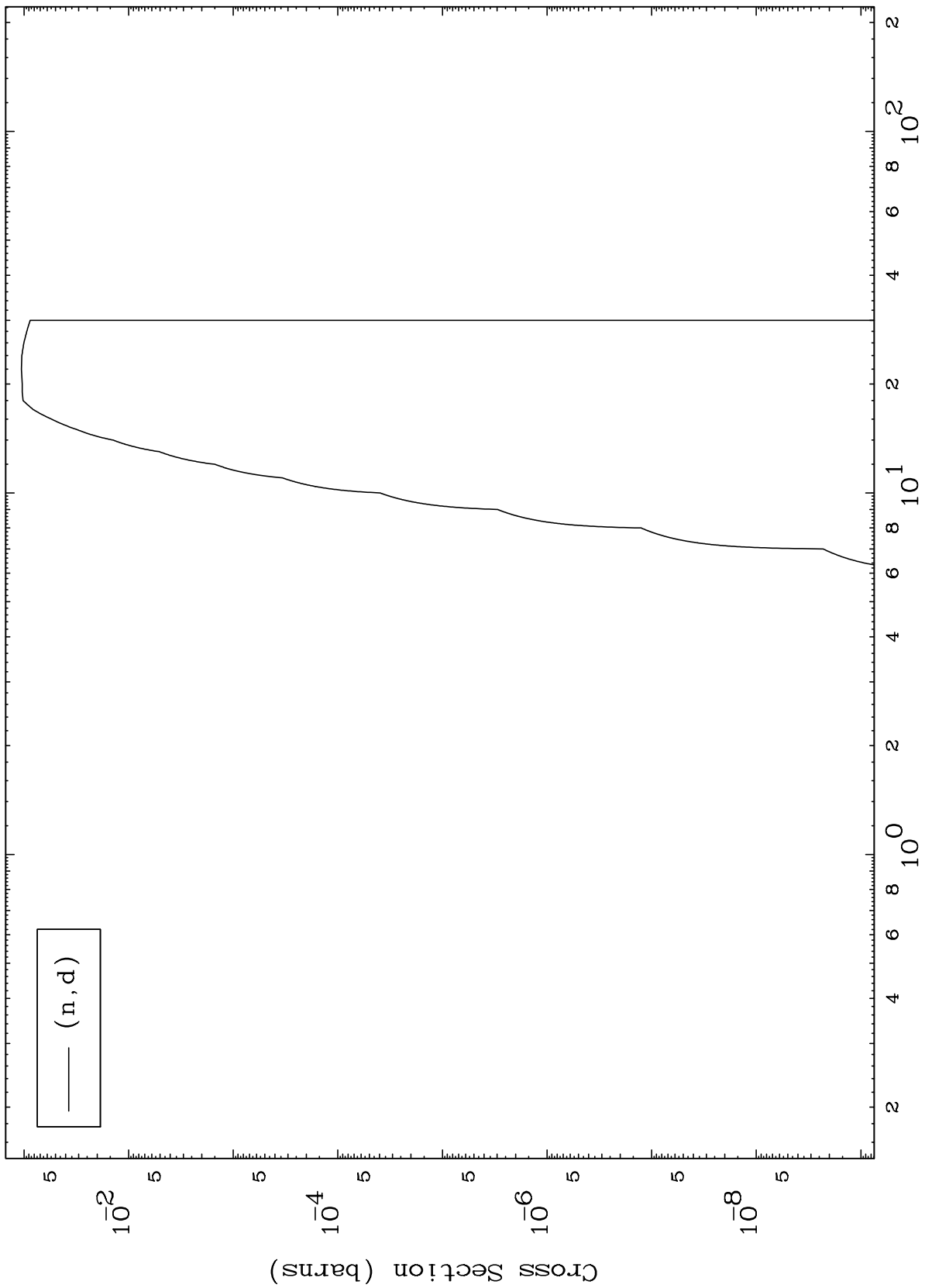
(n,p)

MAT 8186

(d,d) Levels

82-Pb-191

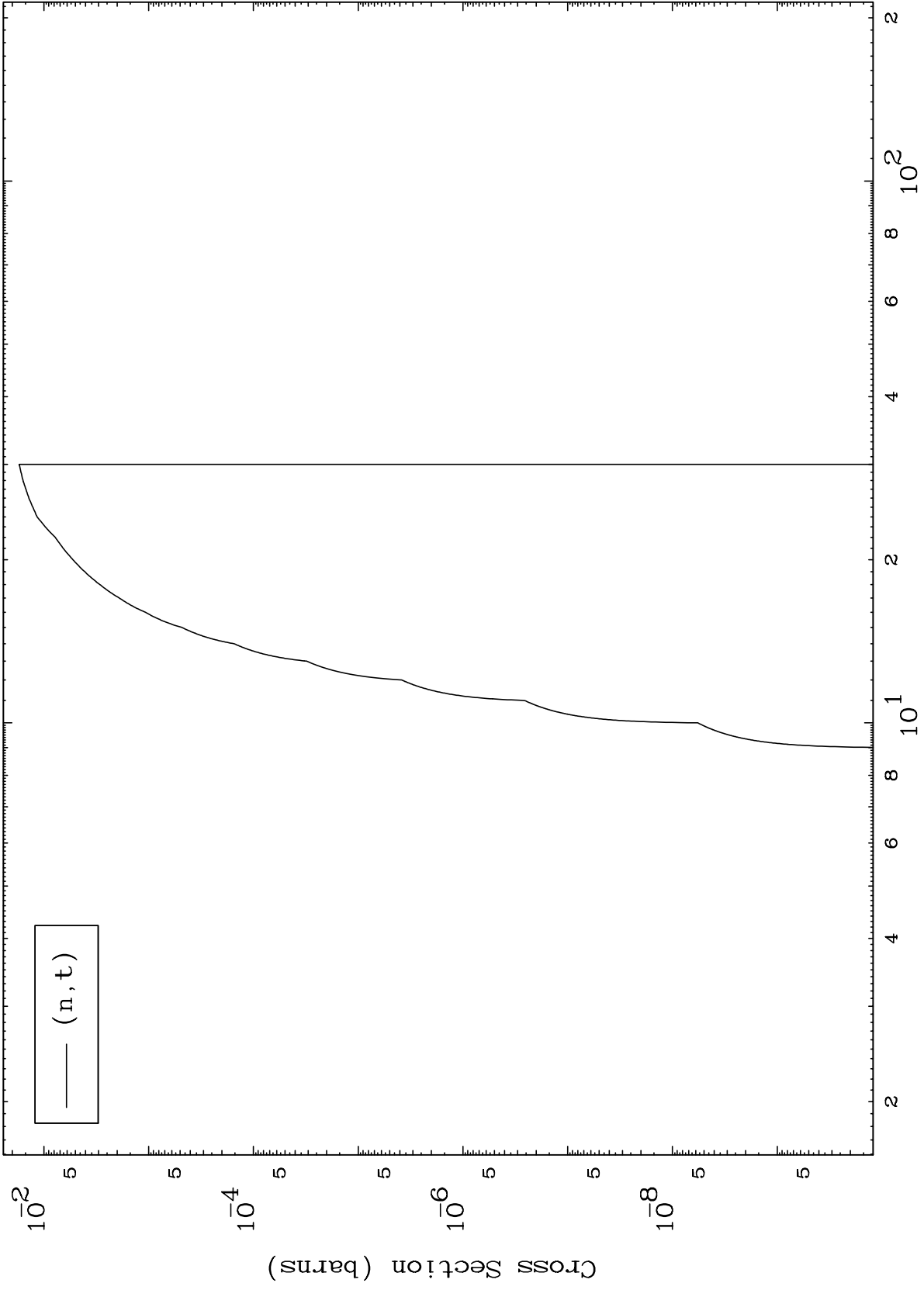
0 Kelvin Cross Sections



MAT 8186

(d,t) Levels
0 Kelvin Cross Sections

82-Pb-191



10

Incident Energy (MeV)

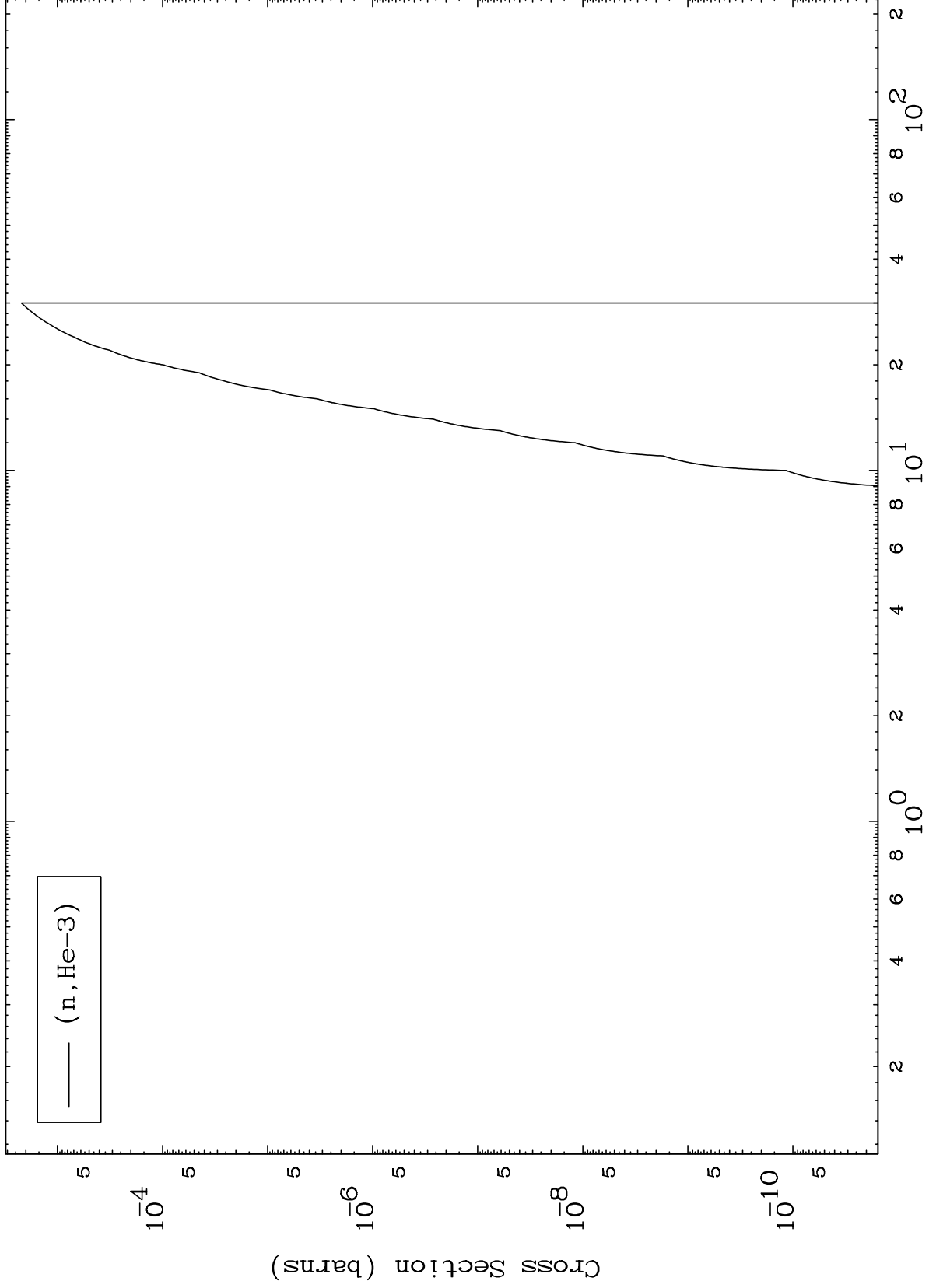
82-Pb-191

MAT 8186

(d,He3) Levels

82-Pb-191

0 Kelvin Cross Sections

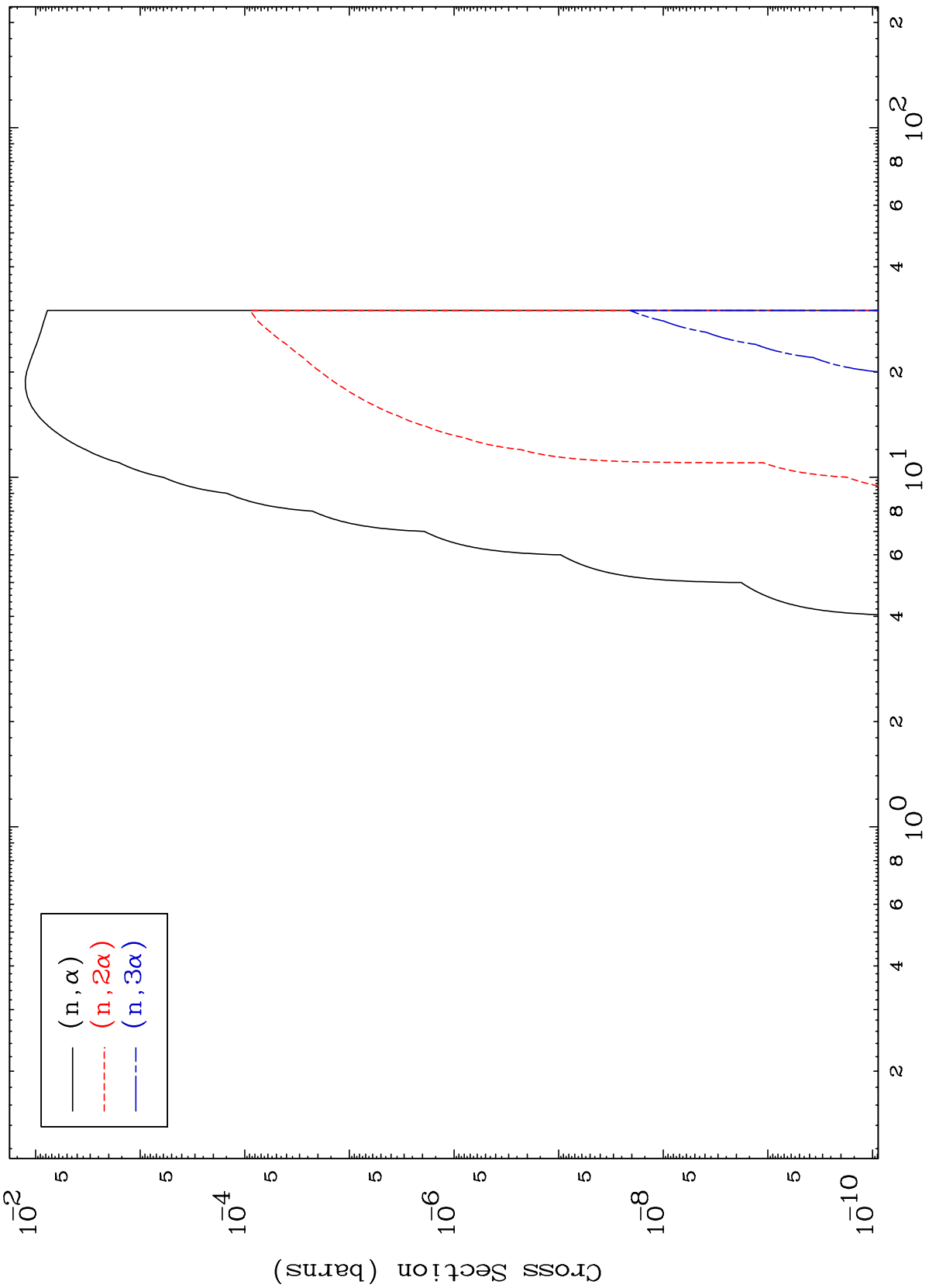


MAT 8186

(d, α) Levels

82-Pb-191

0 Kelvin Cross Sections



12

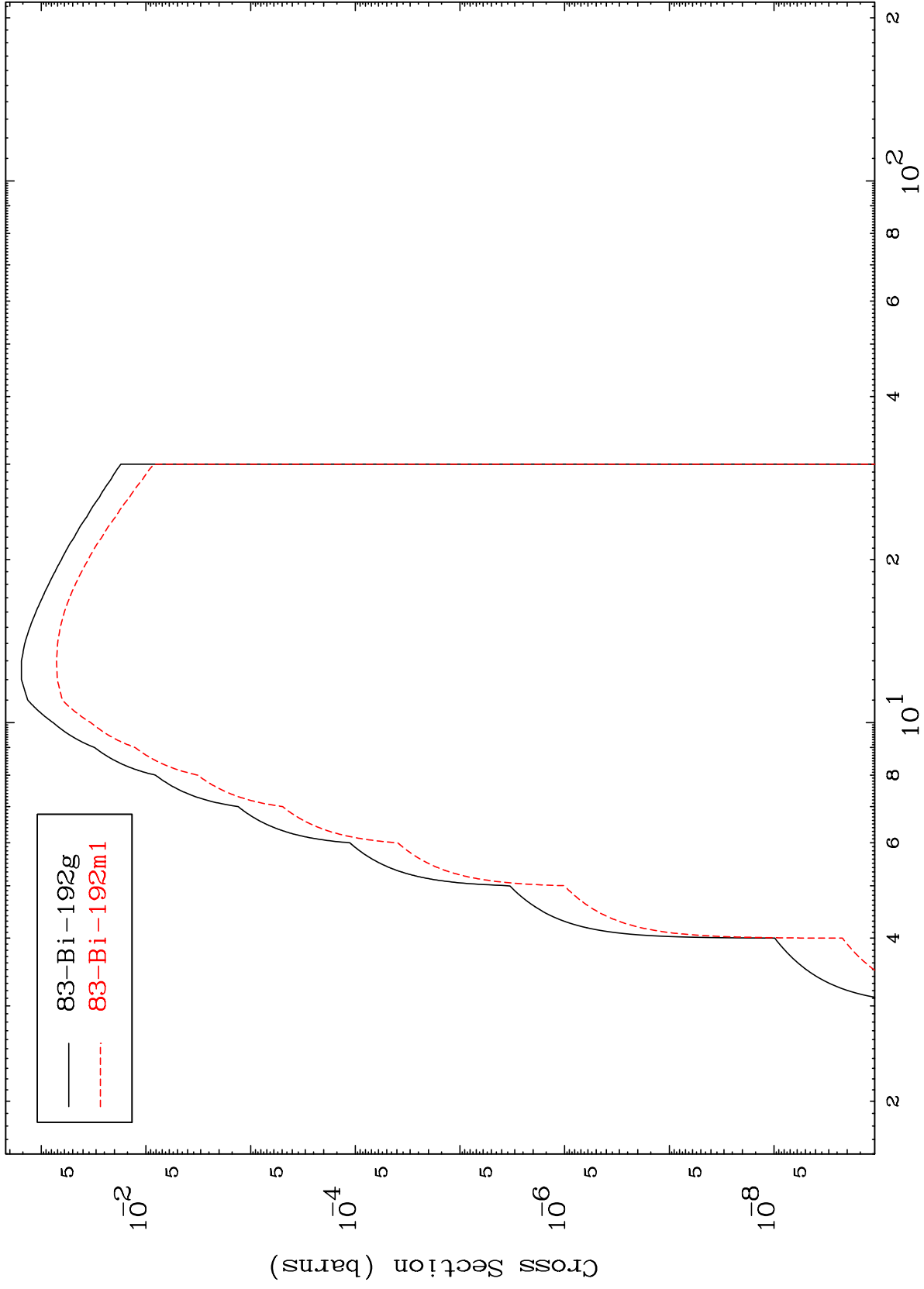
Incident Energy (MeV)

82-Pb-191

MAT 8186

82-Pb-191

Radionuclide Production Cross Section

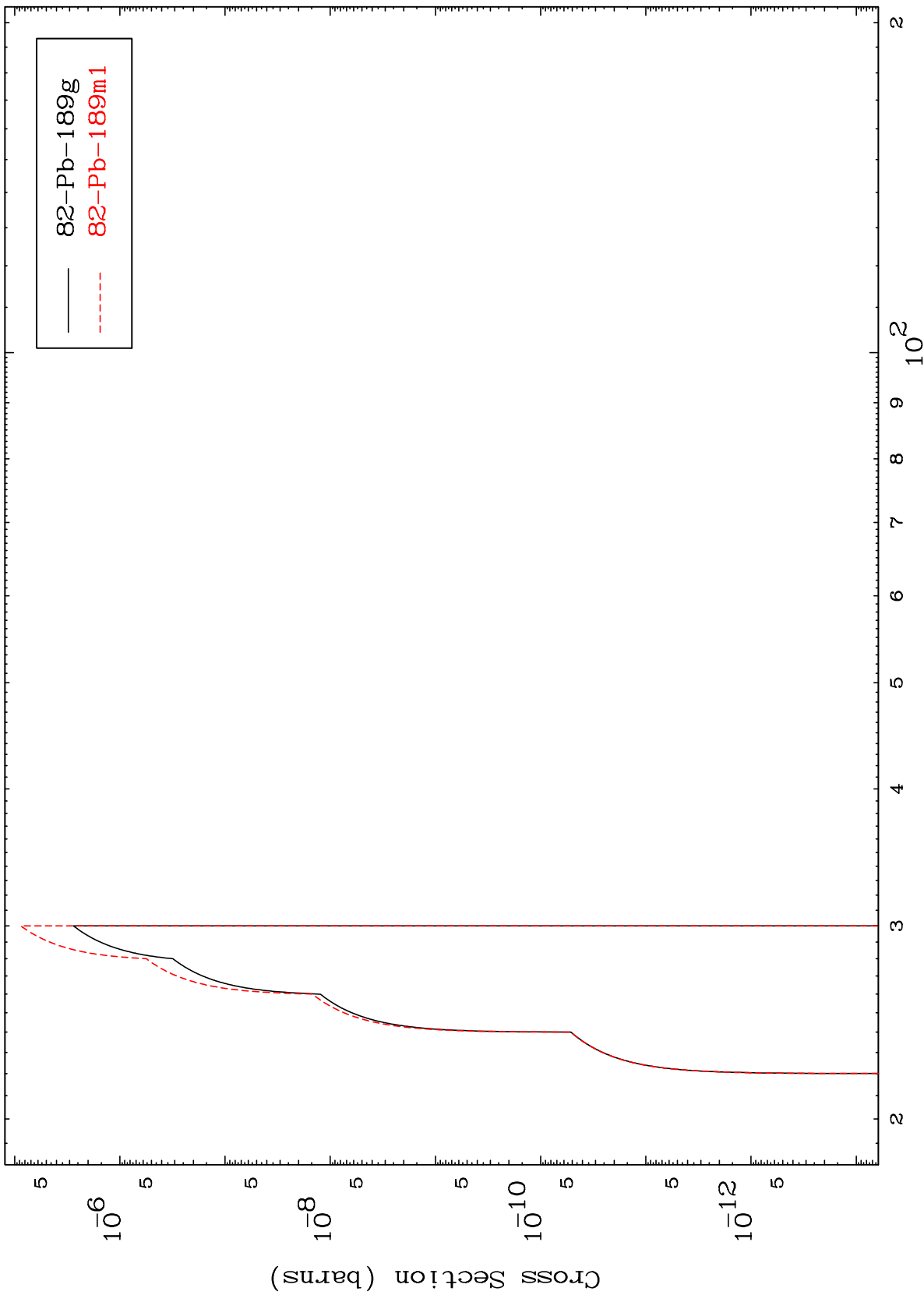


MAT 8186

(n,2n) d

82-Pb-191

Radionuclide Production Cross Section



14

Incident Energy (MeV)

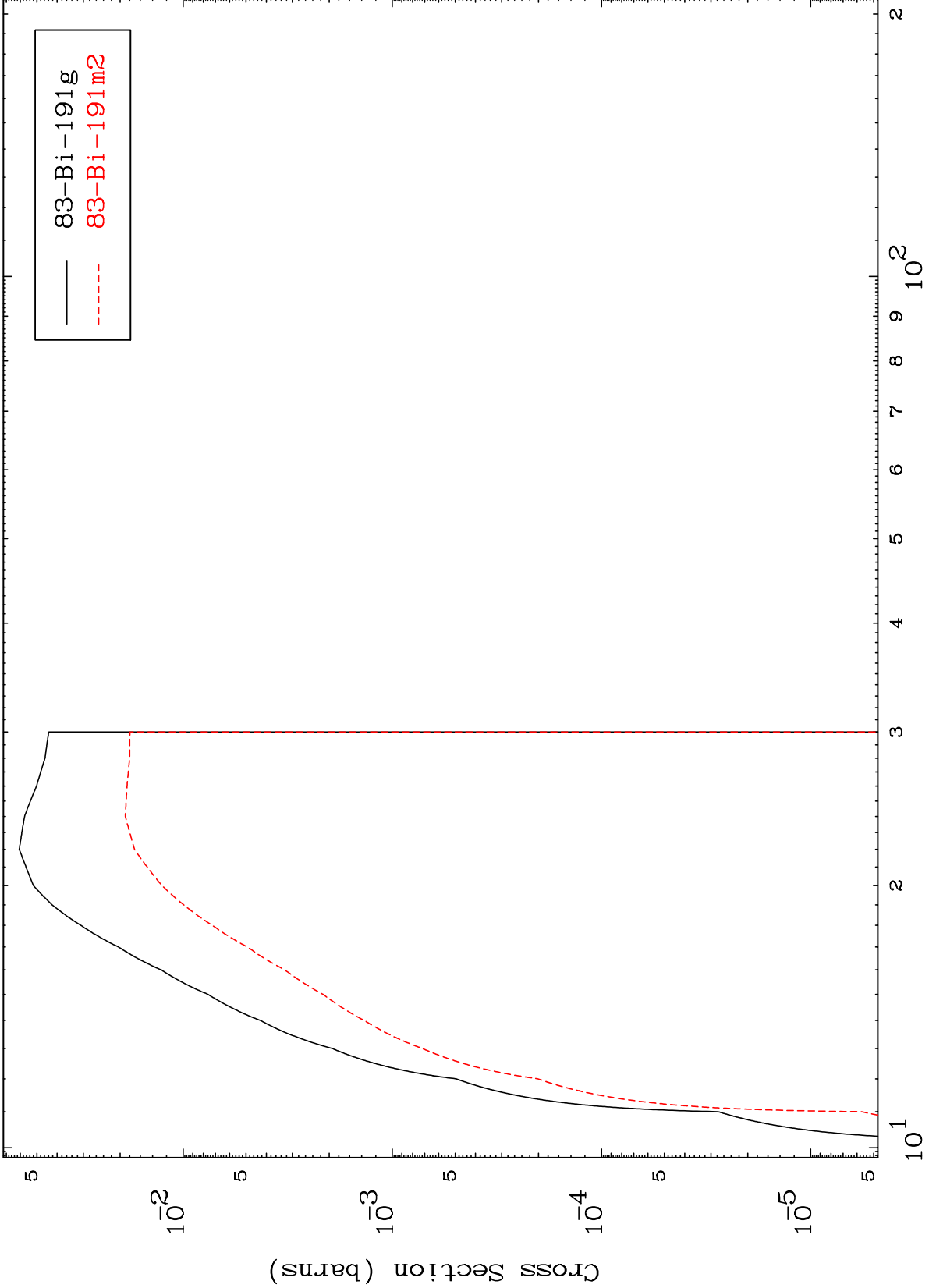
82-Pb-191

MAT 8186

(n,2n)

82-Pb-191

Radionuclide Production Cross Section



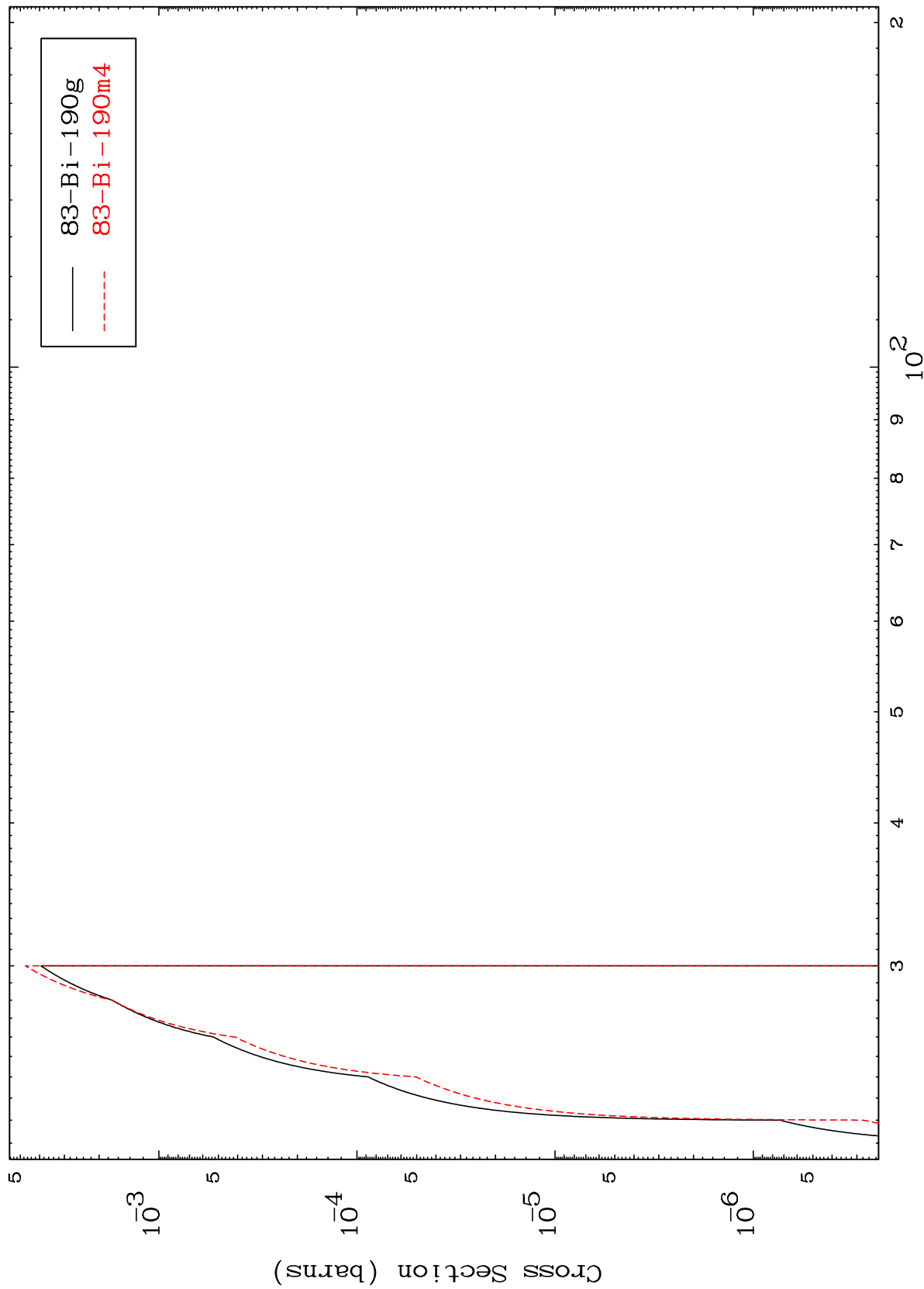
Incident Energy (MeV)

82-Pb-191

MAT 8186

82-Pb-191

(n,3n)
Radionuclide Production Cross Section



16

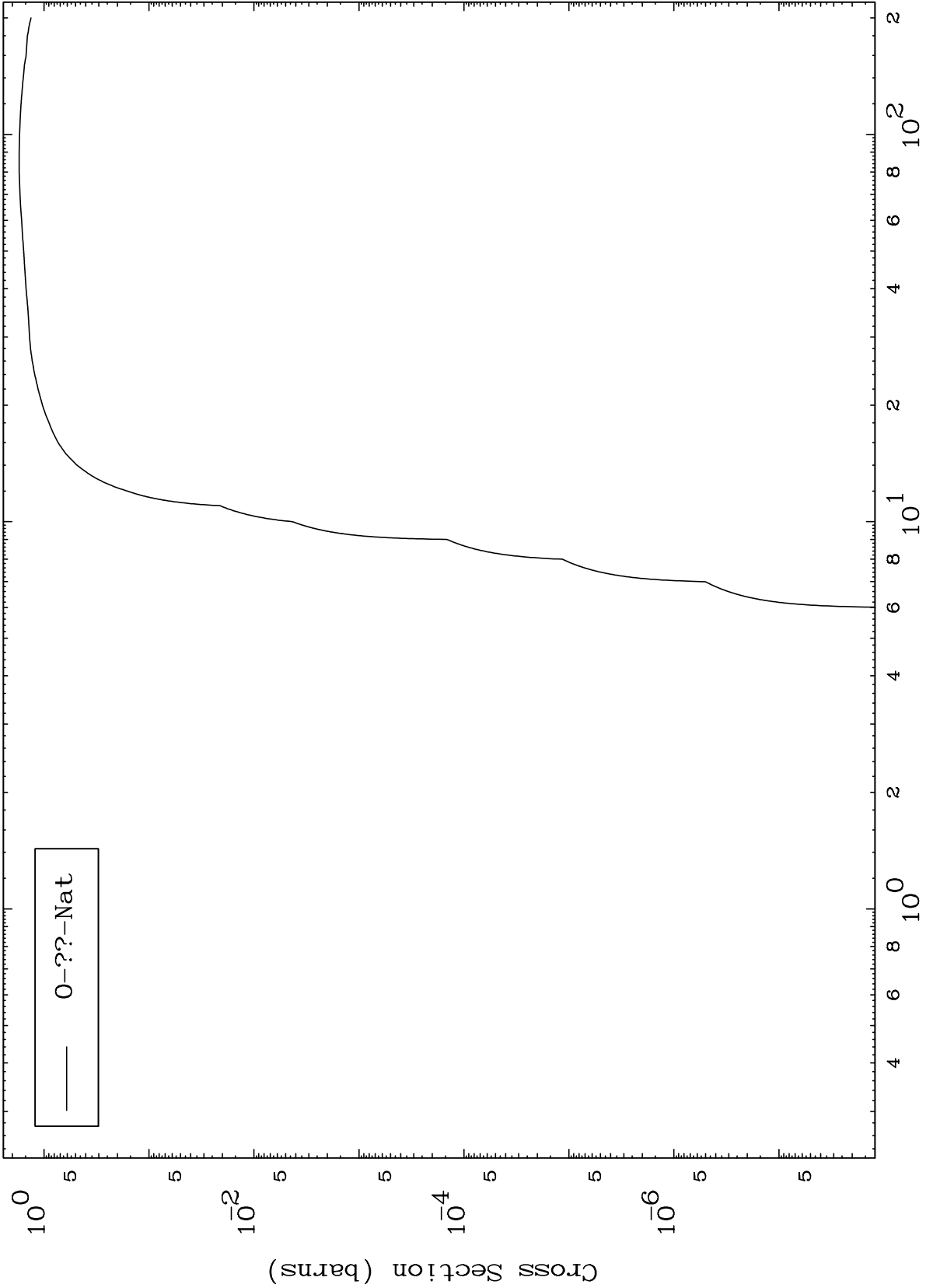
82-Pb-191

Incident Energy (MeV)

MAT 8186

82-Pb-191

Fission
Radionuclide Production Cross Section

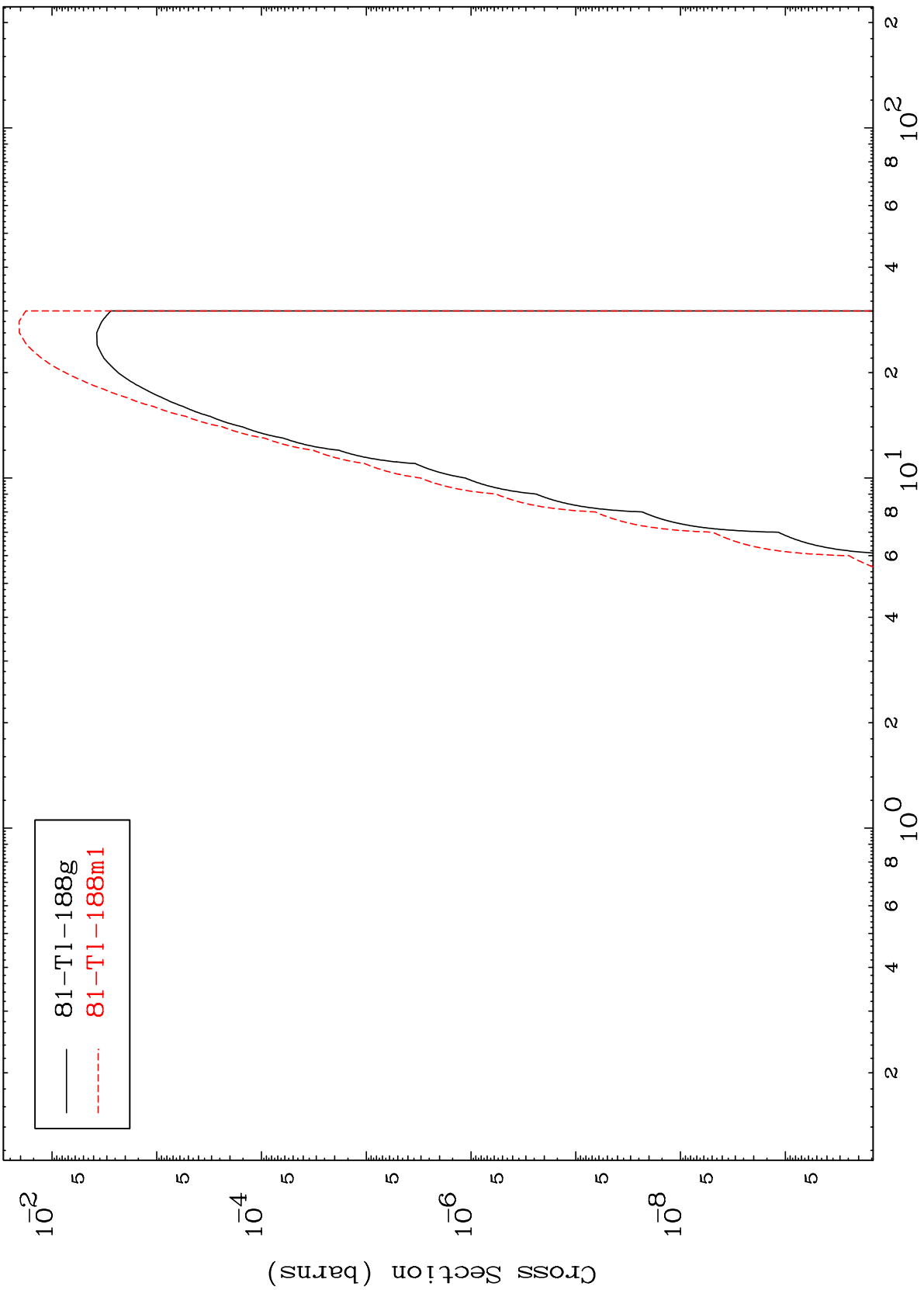


MAT 8186

$(n, n') \alpha$

82-Pb-191

Radionuclide Production Cross Section

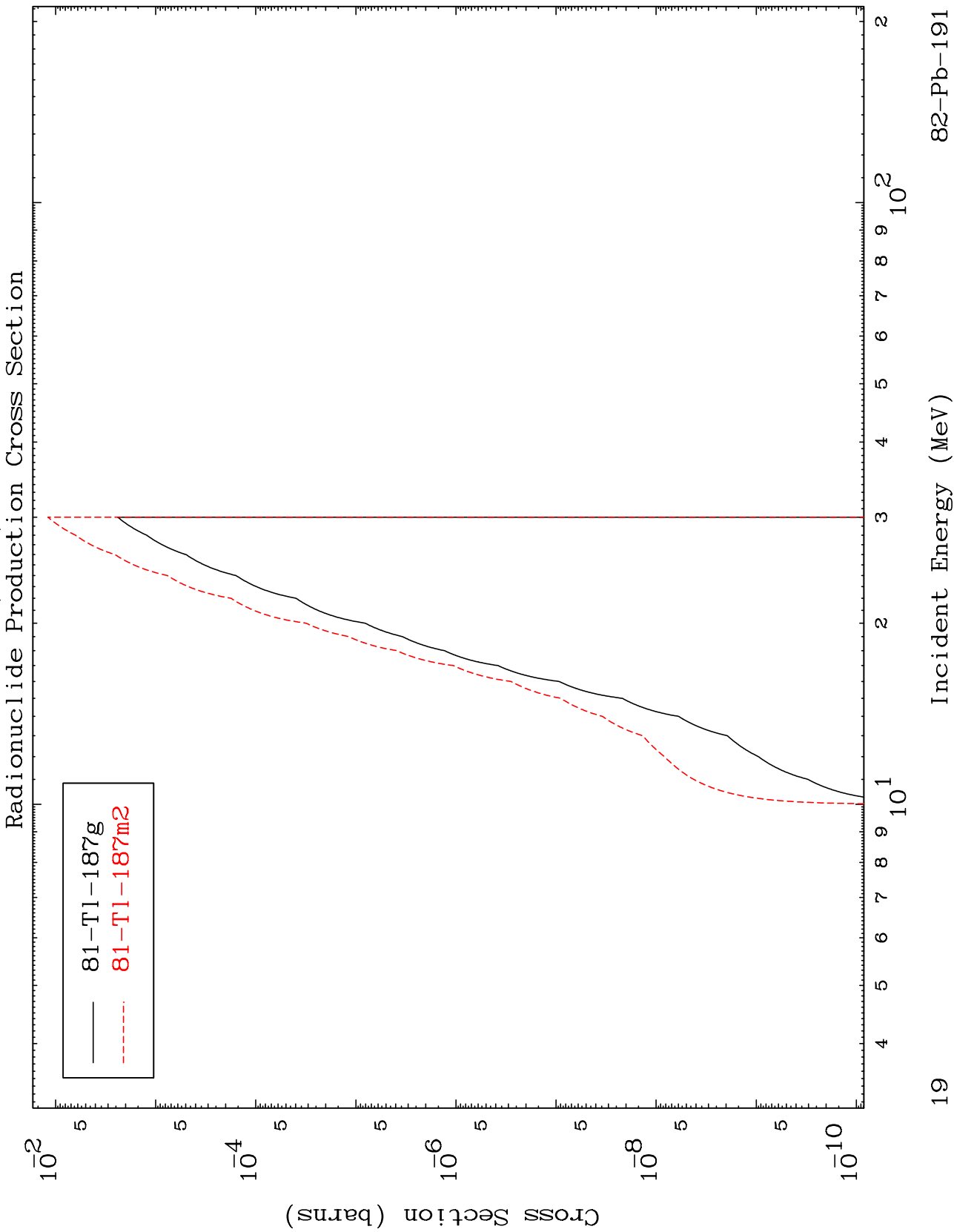


81-Tl-188g
81-Tl-188m1

MAT 8186

$(n,2n) \alpha$

82-Pb-191



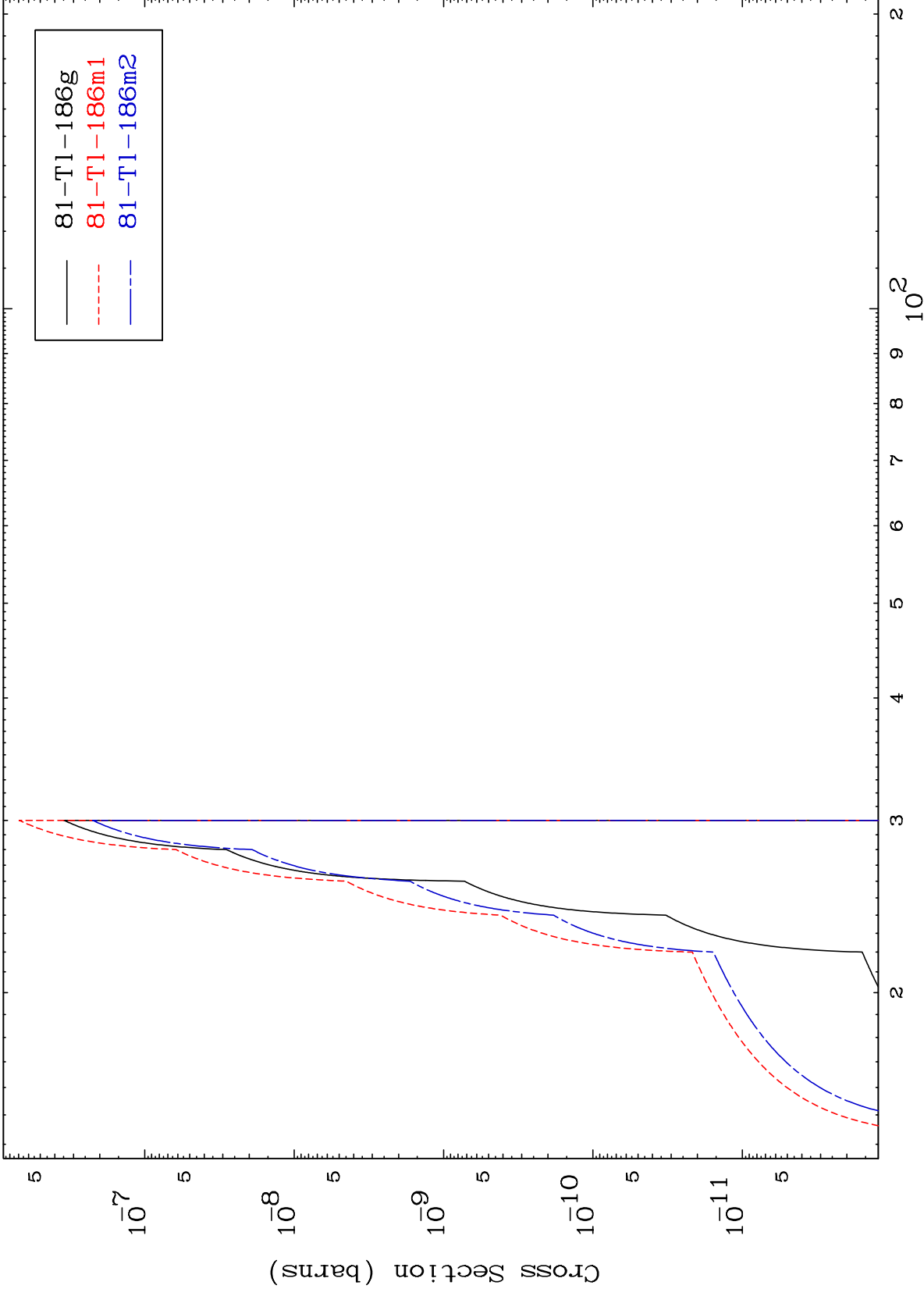
81-Tl-187g
81-Tl-187m2

MAT 8186

(n,3n) α

82-Pb-191

Radionuclide Production Cross Section



20

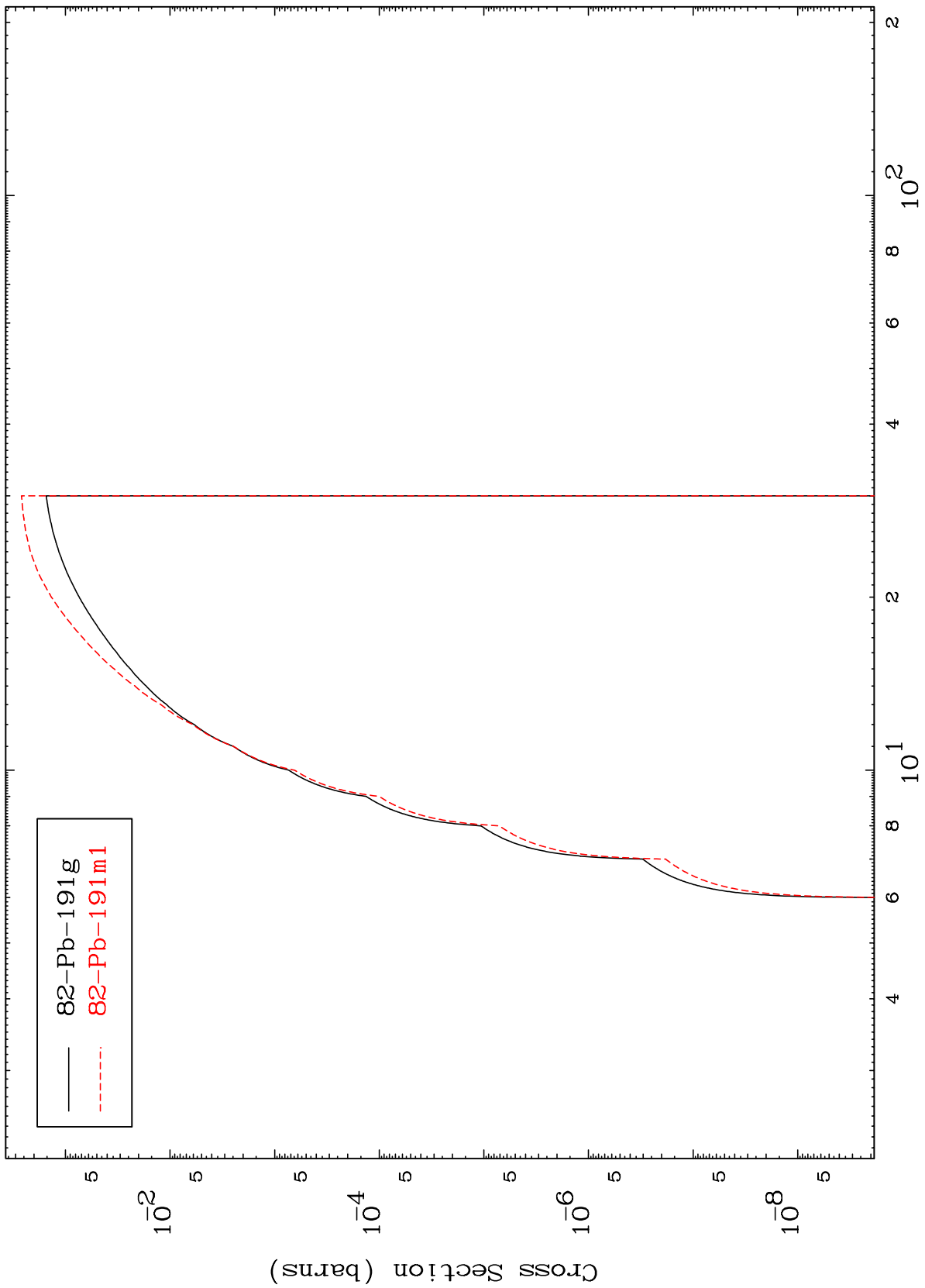
Incident Energy (MeV)

82-Pb-191

MAT 8186

82-Pb-191

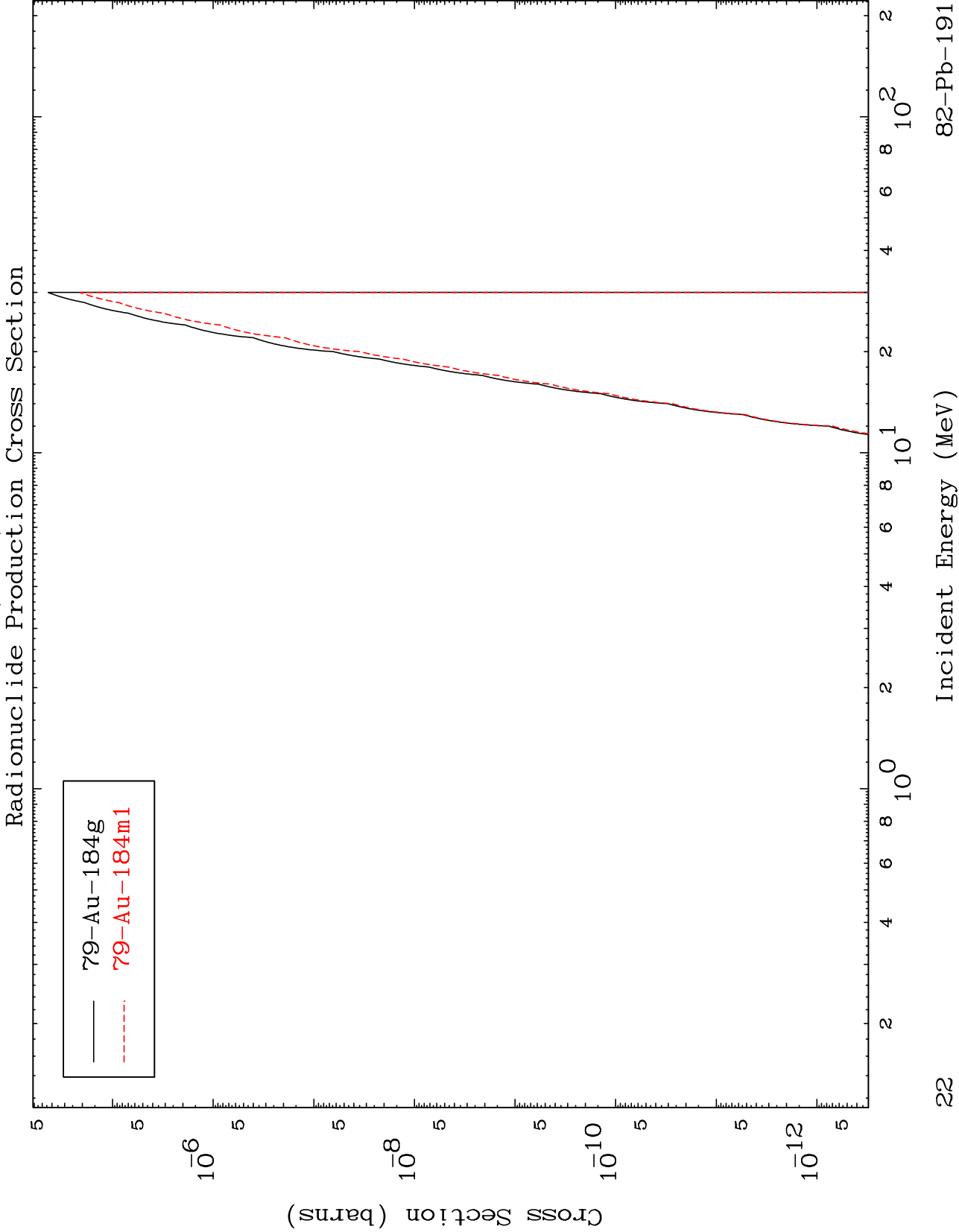
(n,n') p
Radionuclide Production Cross Section



MAT 8186

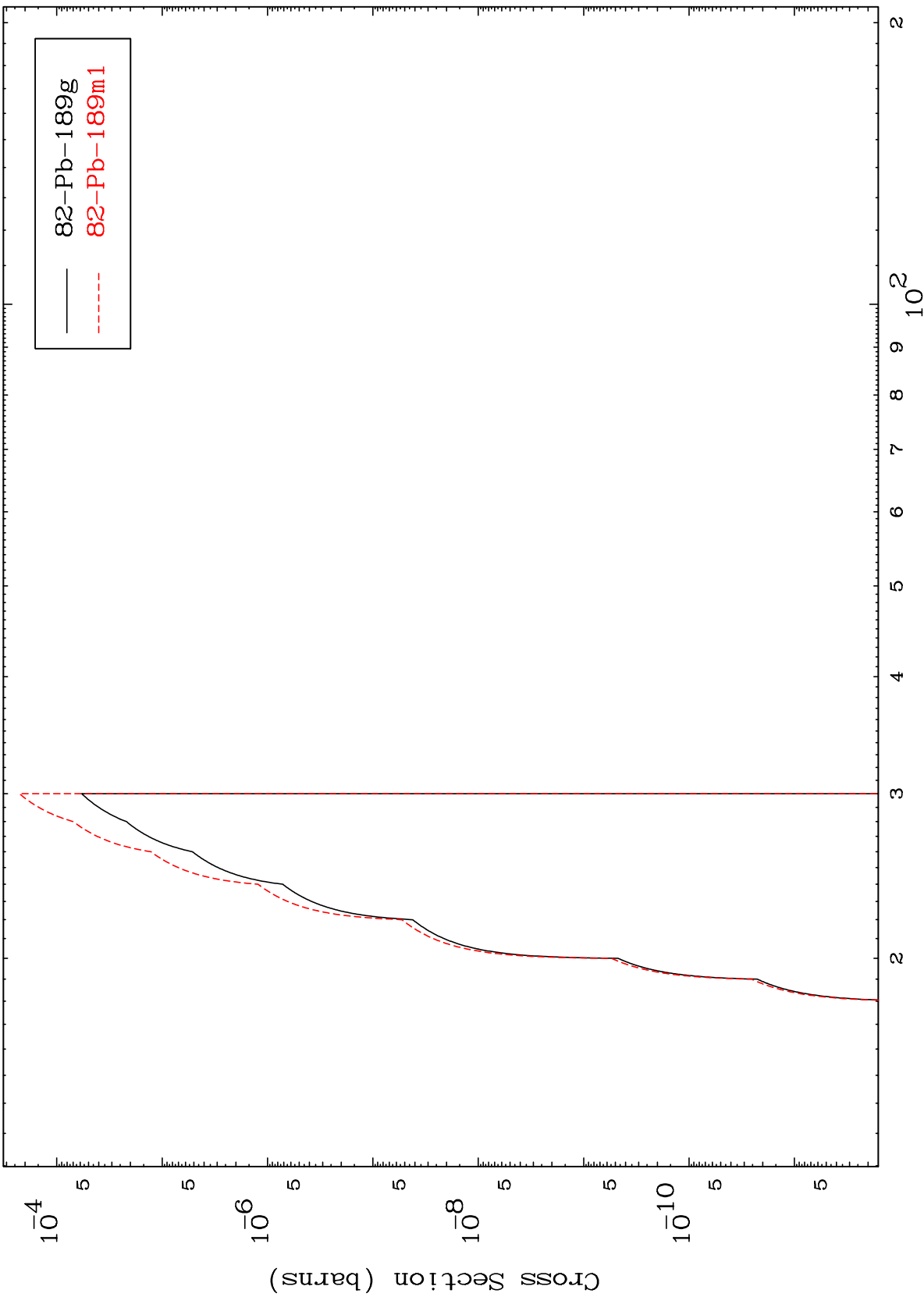
(n,n') 2 α

82-Pb-191



79-Au-184g
79-Au-184m1

Radionuclide Production Cross Section

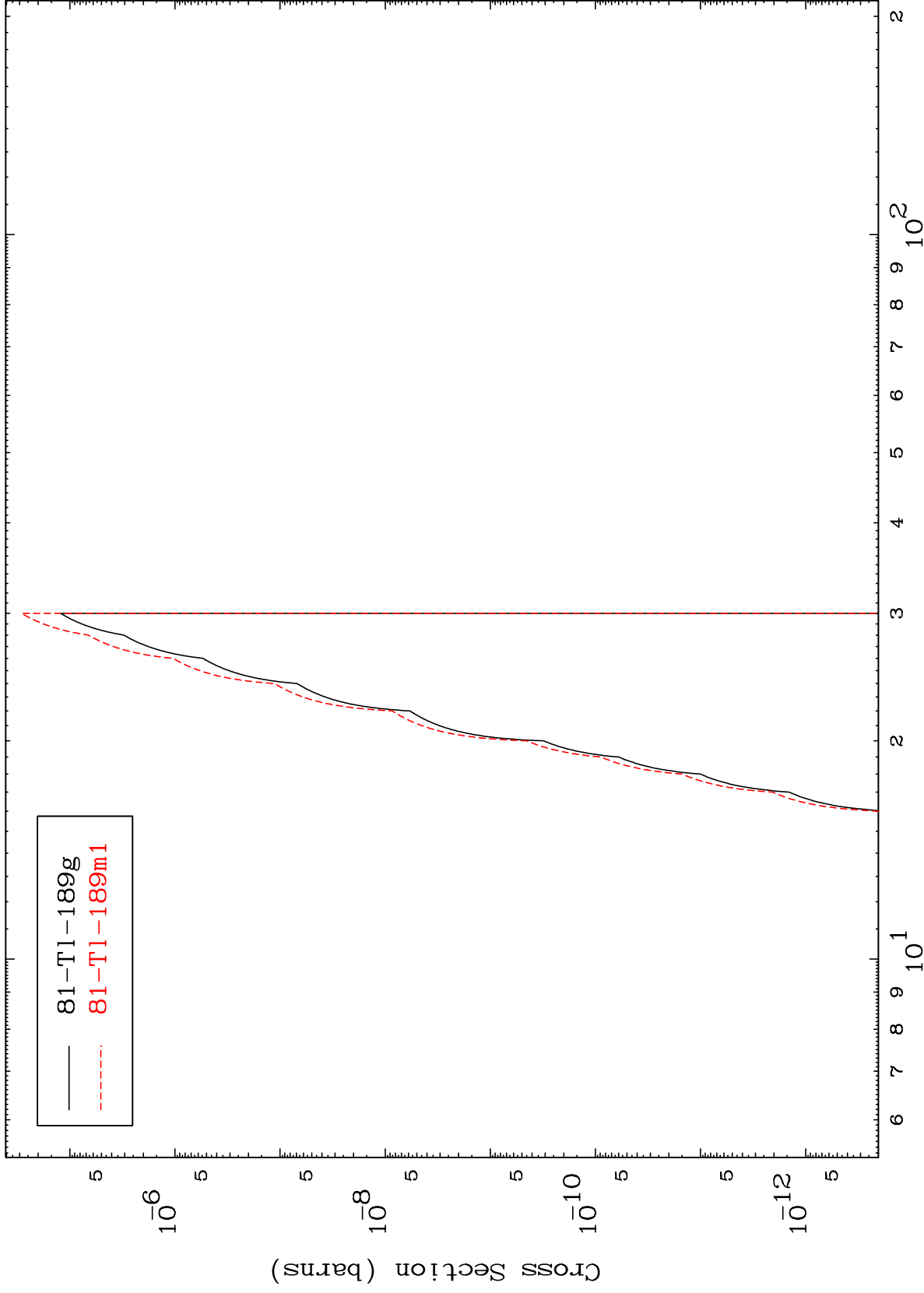


MAT 8186

(n,n') He-3

82-Pb-191

Radionuclide Production Cross Section



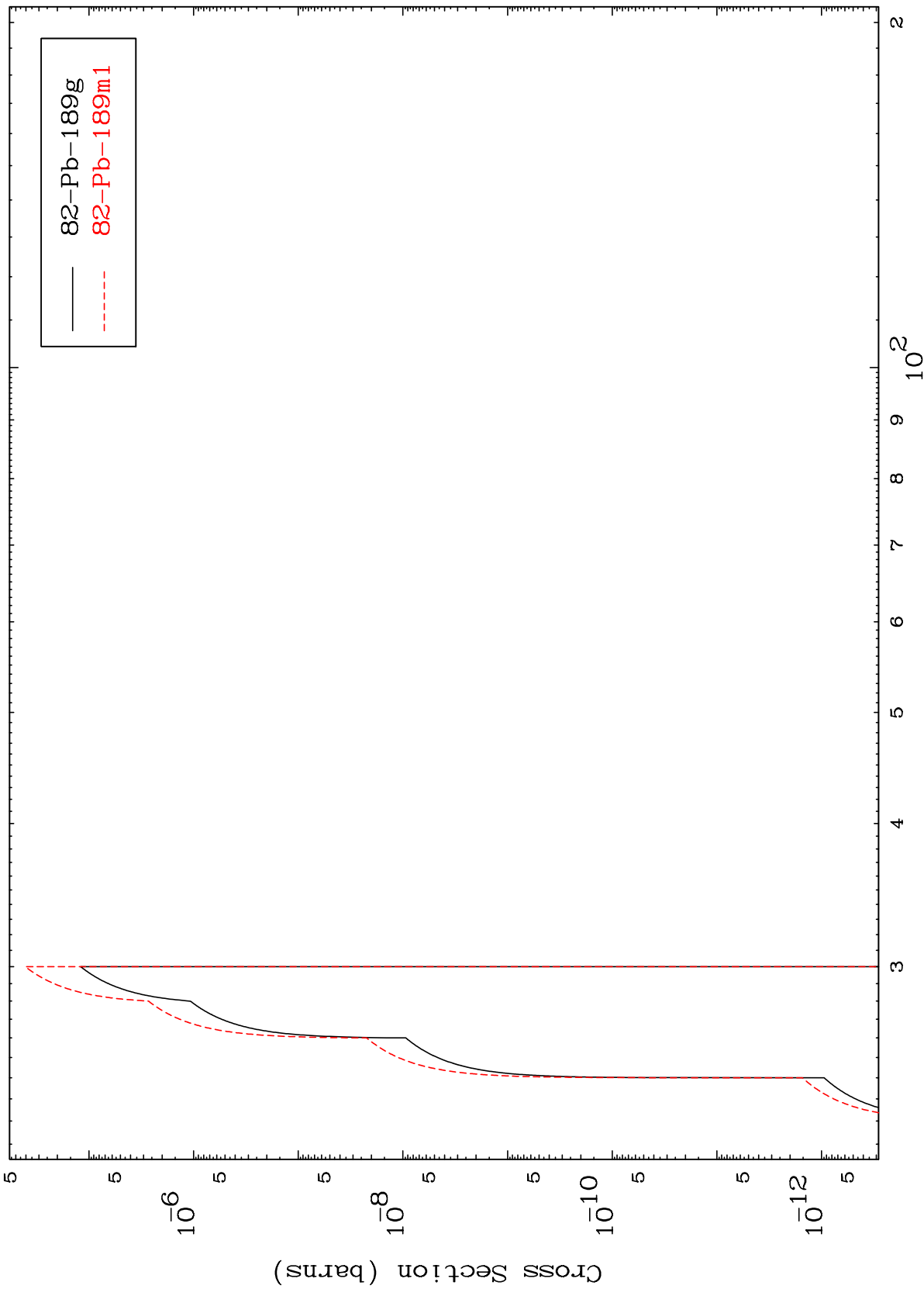
81-Tl-189g
81-Tl-189m1

24

Incident Energy (MeV)

82-Pb-191

Radionuclide Production Cross Section

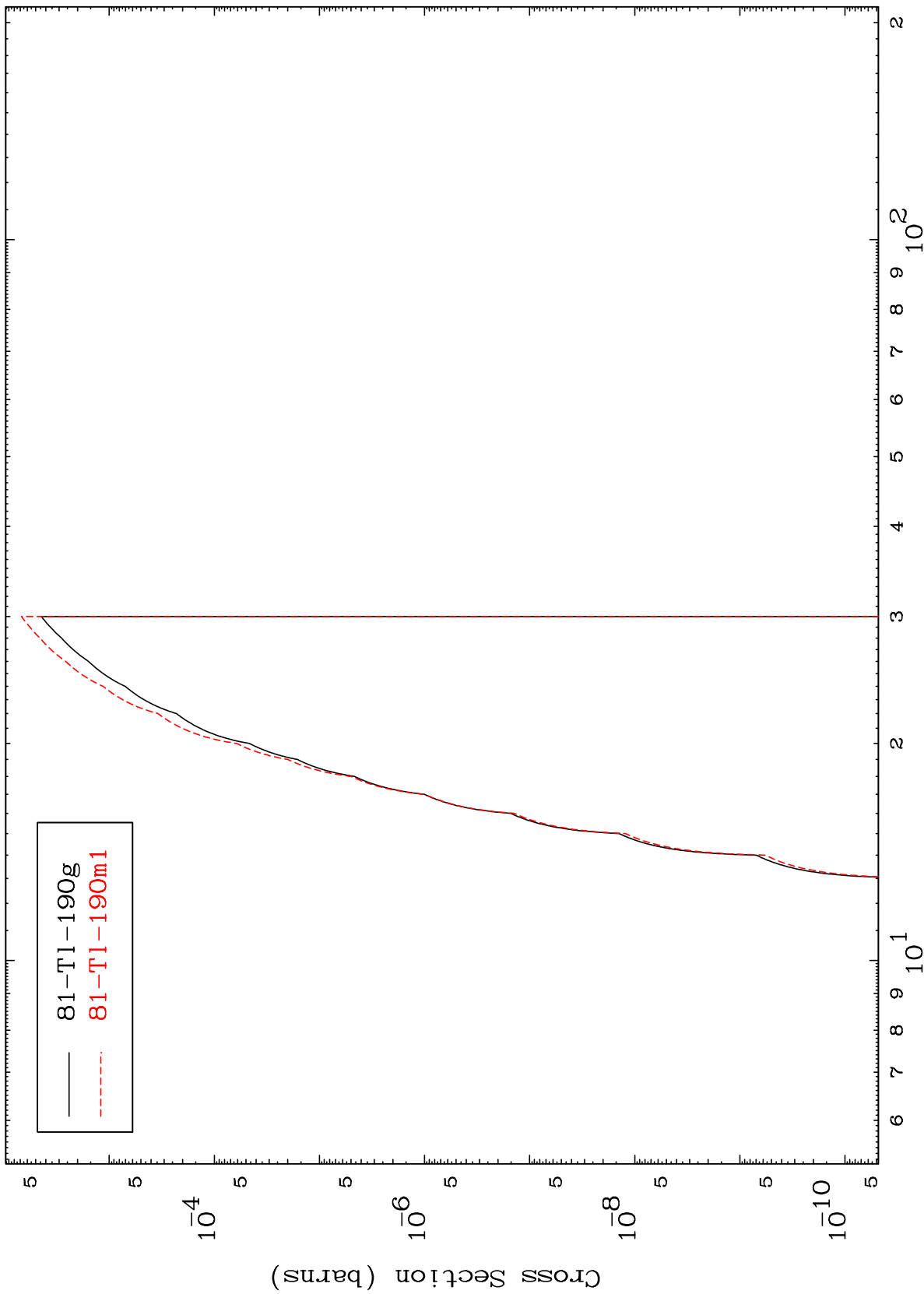


MAT 8186

(n,2n) p

82-Pb-191

Radionuclide Production Cross Section



26

Incident Energy (MeV)

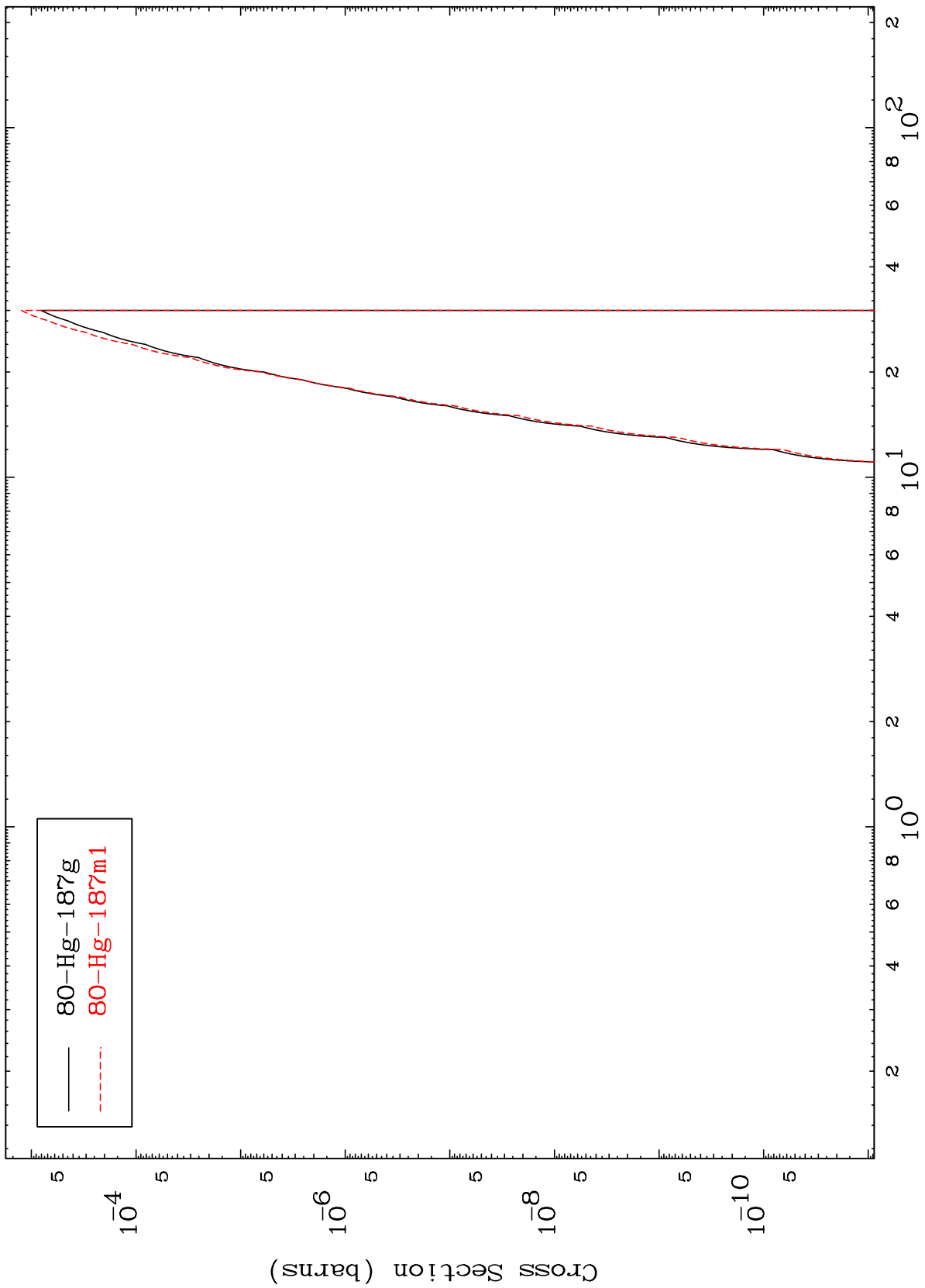
82-Pb-191

MAT 8186

(n,n') p α

82-Pb-191

Radionuclide Production Cross Section

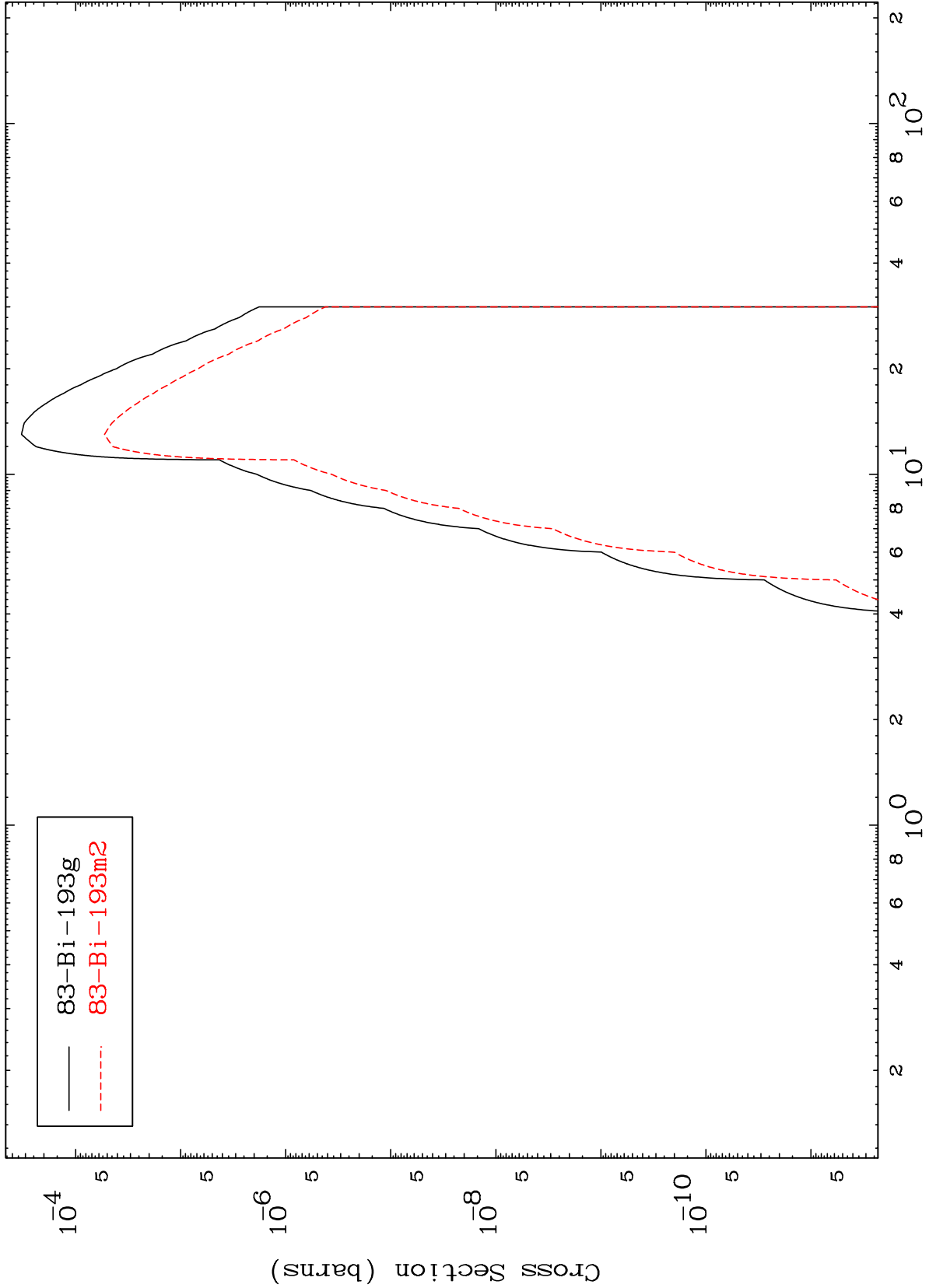


80-Hg-187g
80-Hg-187m1

MAT 8186

82-Pb-191

(n, γ)
Radionuclide Production Cross Section



82-Pb-191

Incident Energy (MeV)

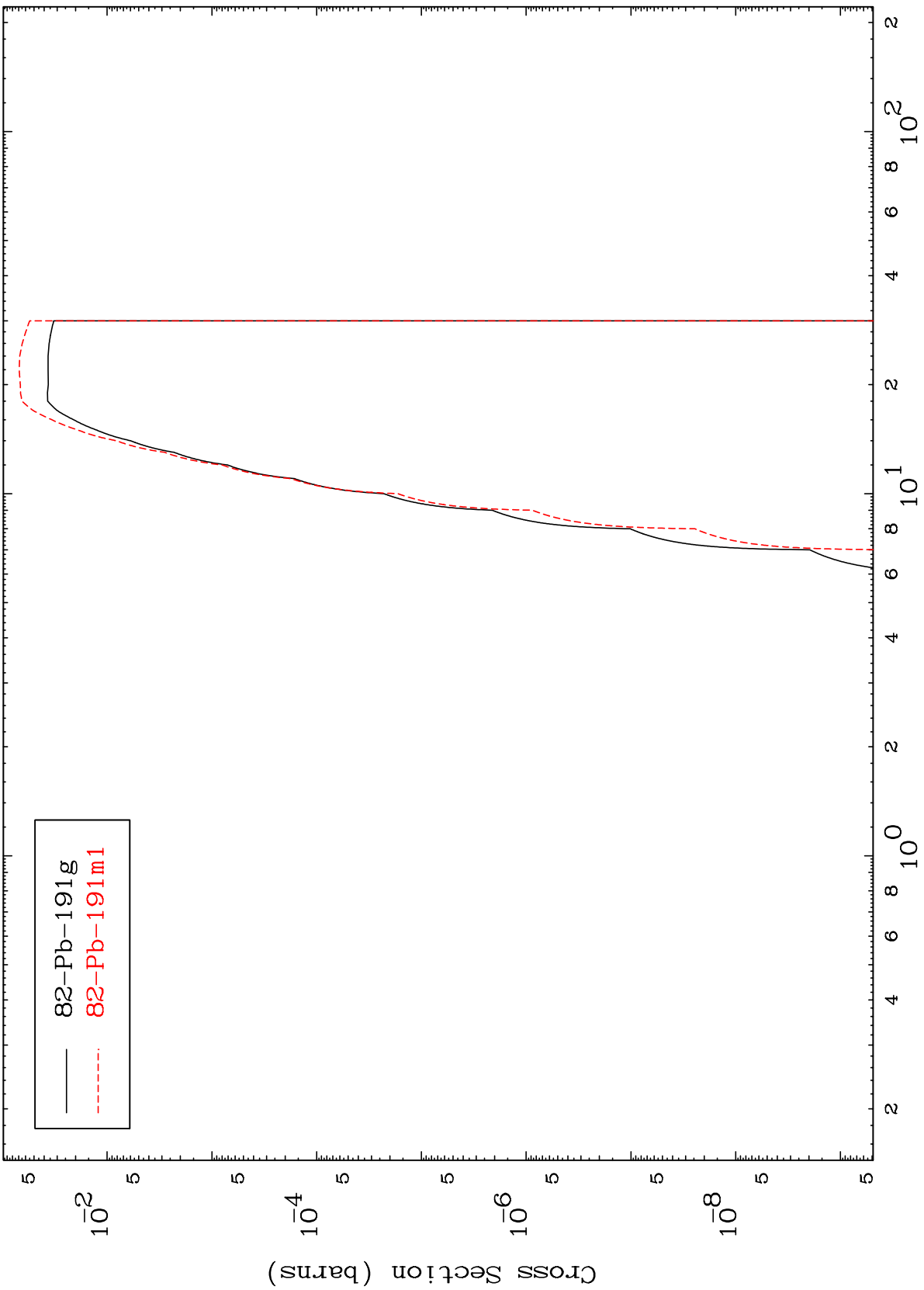
28

MAT 8186

(n,d)

82-Pb-191

Radionuclide Production Cross Section



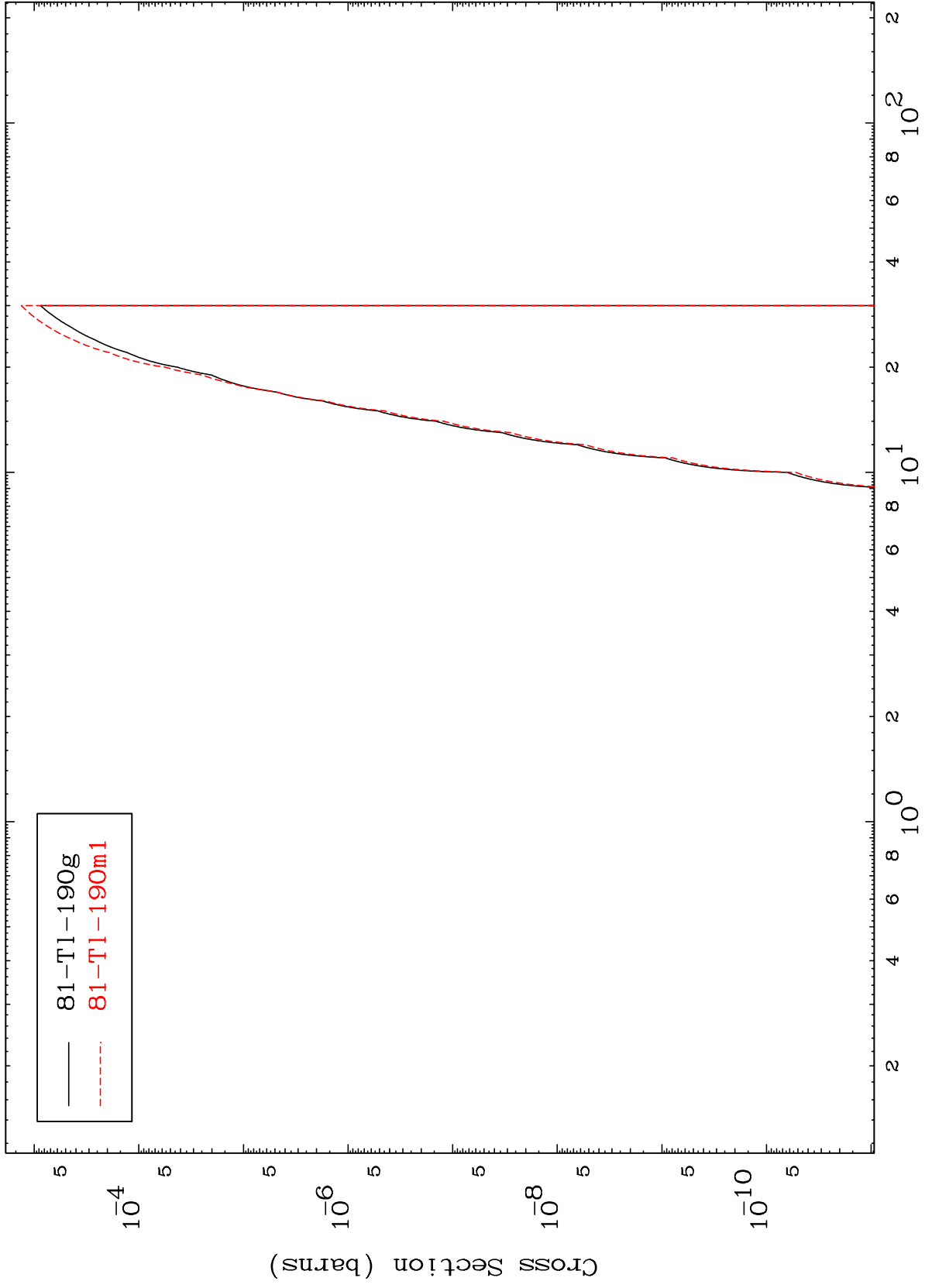
82-Pb-191 g
82-Pb-191 m1

MAT 8186

(n,He-3)

82-Pb-191

Radionuclide Production Cross Section



30

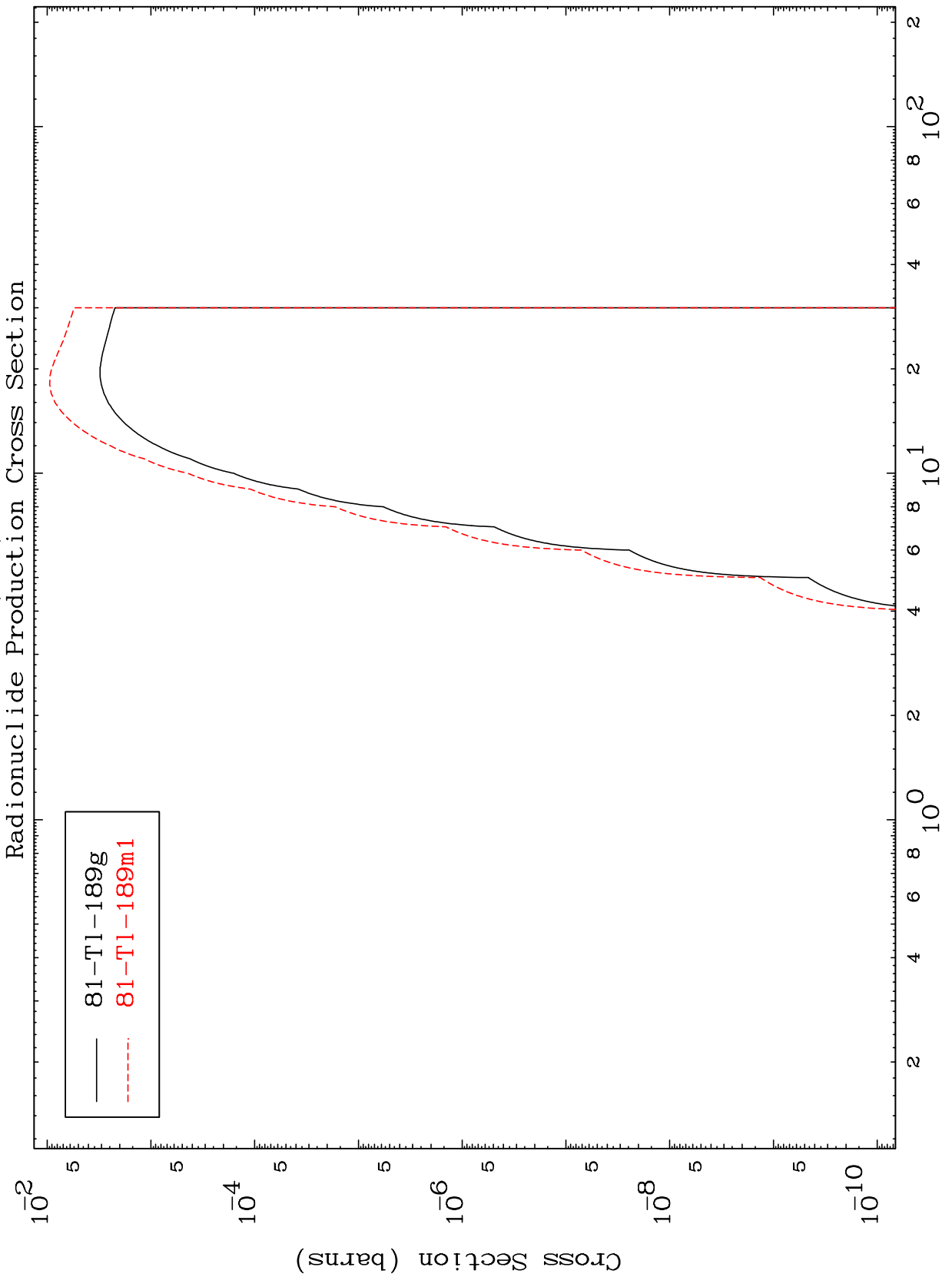
Incident Energy (MeV)

82-Pb-191

MAT 8186

82-Pb-191

Radionuclide Production Cross Section
(n, α)



81-Tl-189g
81-Tl-189m1

82-Pb-191

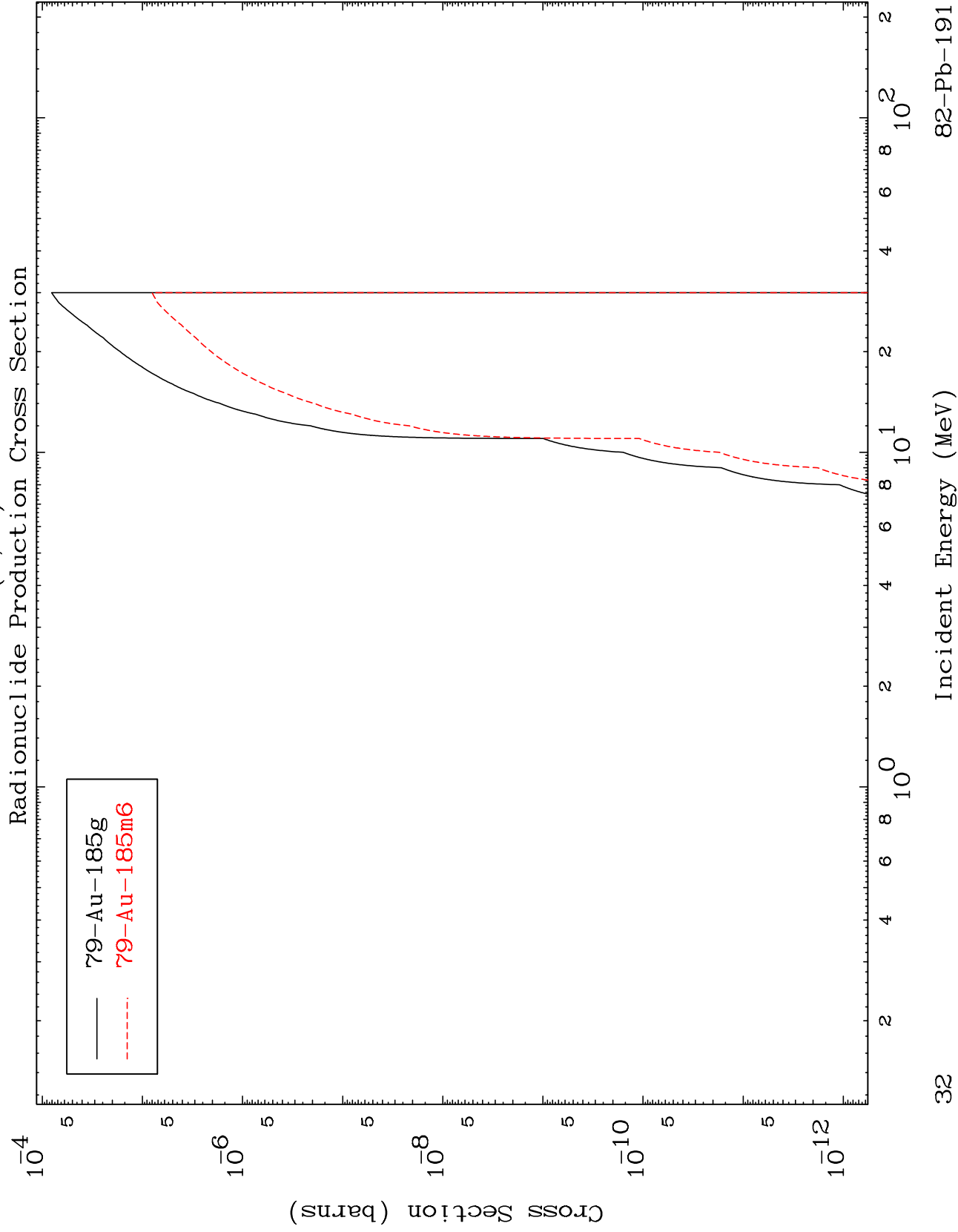
Incident Energy (MeV)

31

MAT 8186

(n,2α)

82-Pb-191



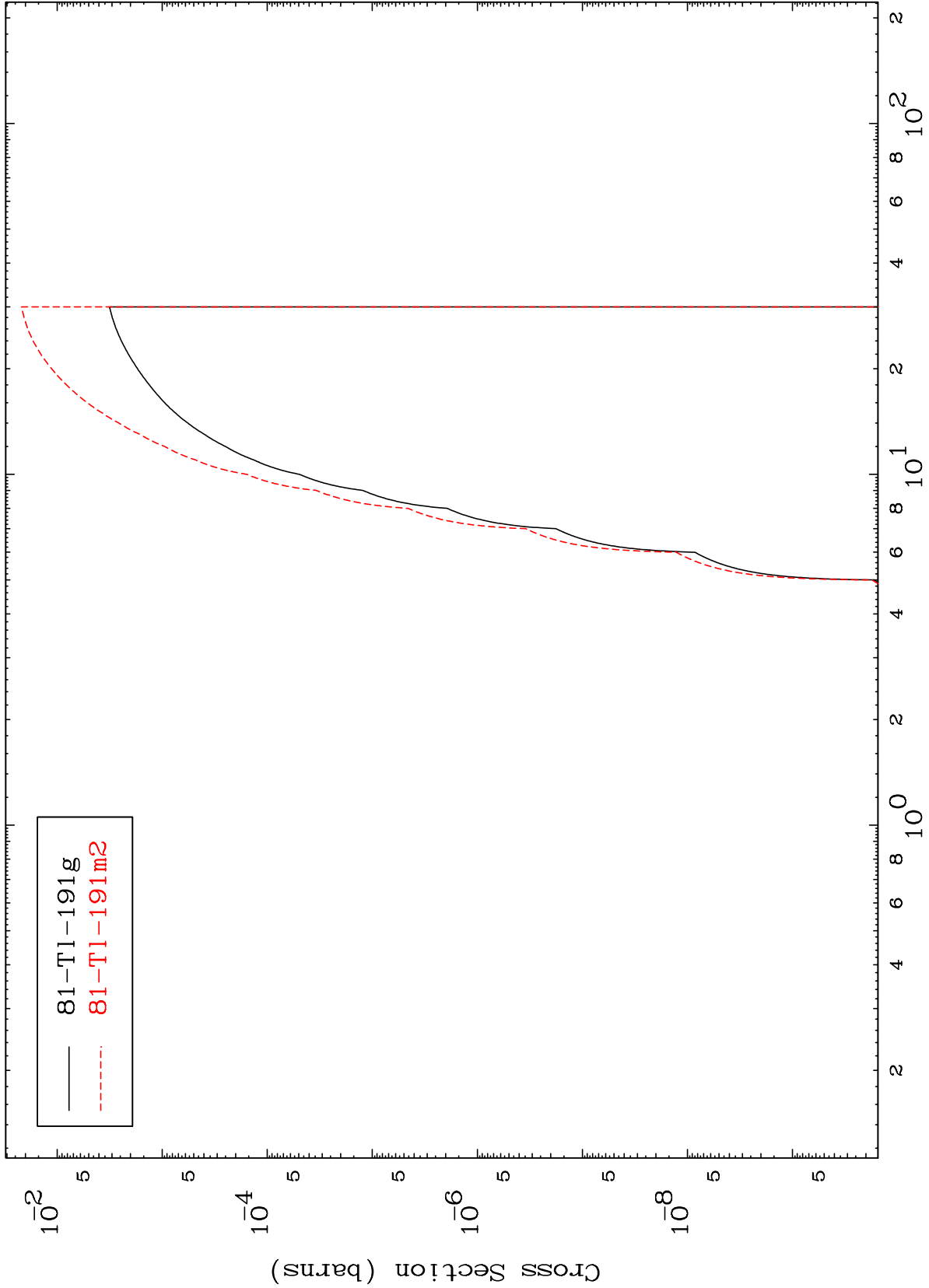
32

MAT 8186

(n,2p)

82-Pb-191

Radionuclide Production Cross Section



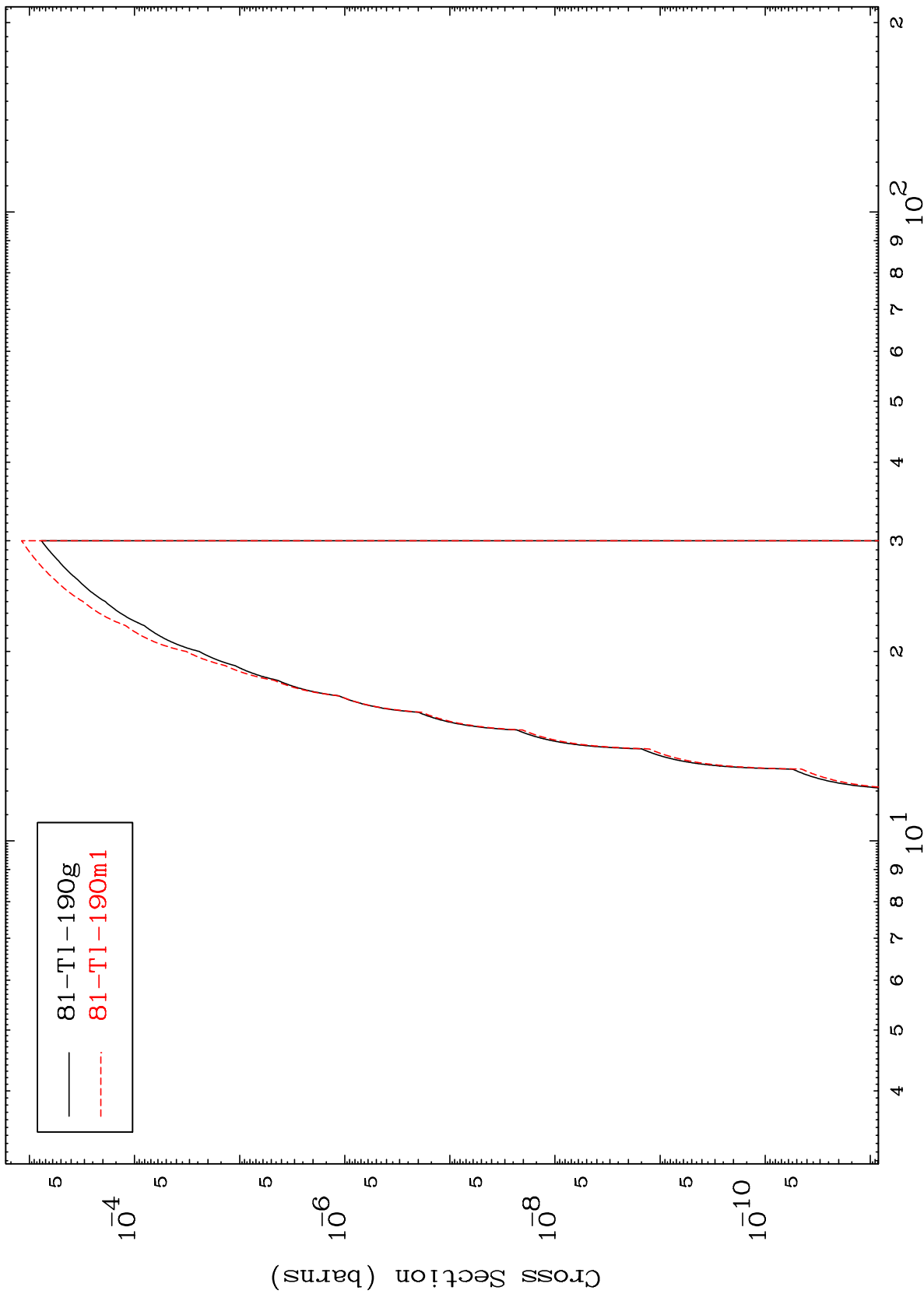
81-Tl-191g
81-Tl-191m2

MAT 8186

(n,p) d

82-Pb-191

Radionuclide Production Cross Section



34

Incident Energy (MeV)

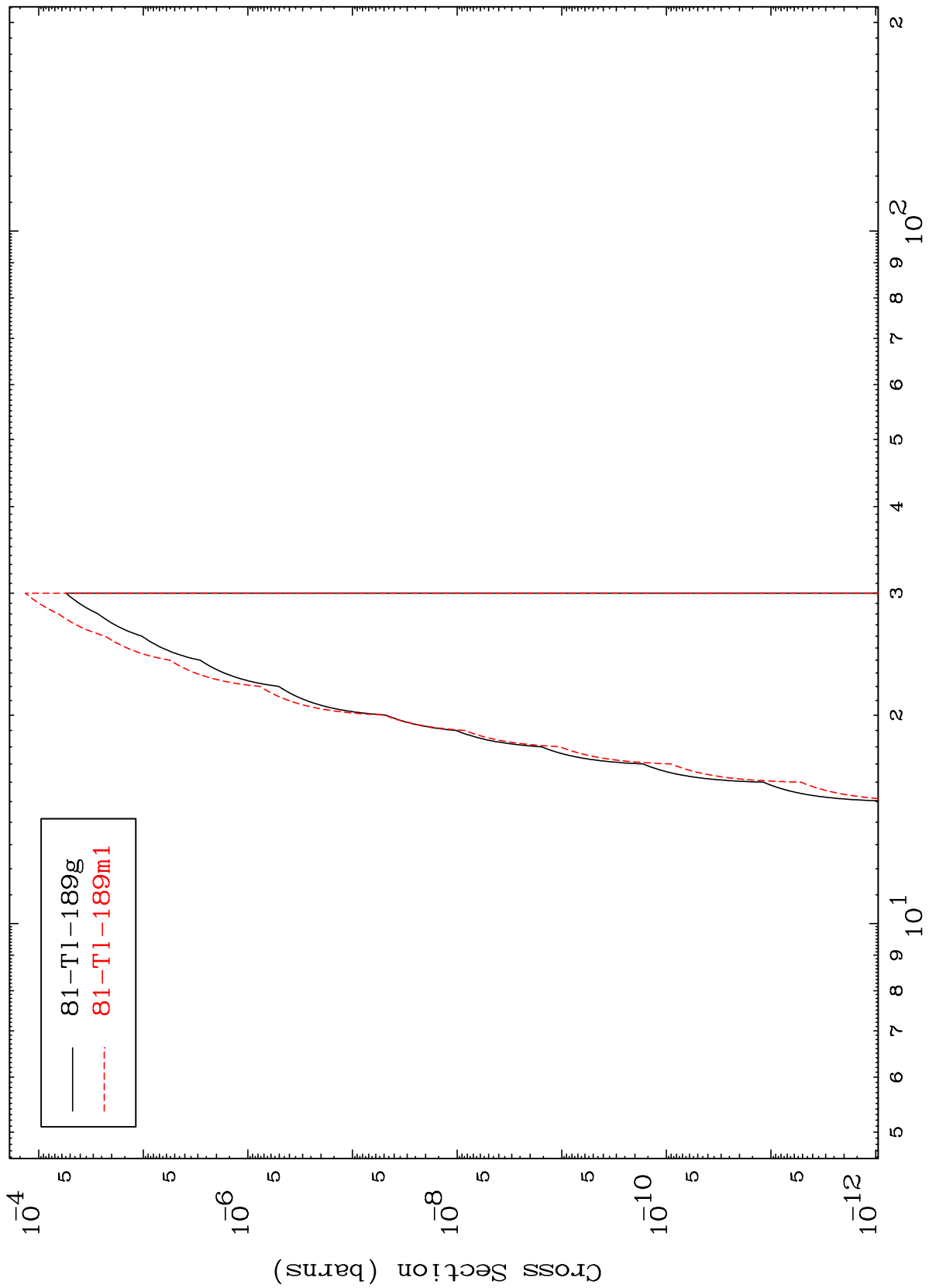
82-Pb-191

MAT 8186

(n,p) t

82-Pb-191

Radionuclide Production Cross Section



81-Tl-189g
81-Tl-189m1

35

Incident Energy (MeV)

82-Pb-191

MAT 8186

(n,d) α

82-Pb-191

Radionuclide Production Cross Section

