

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

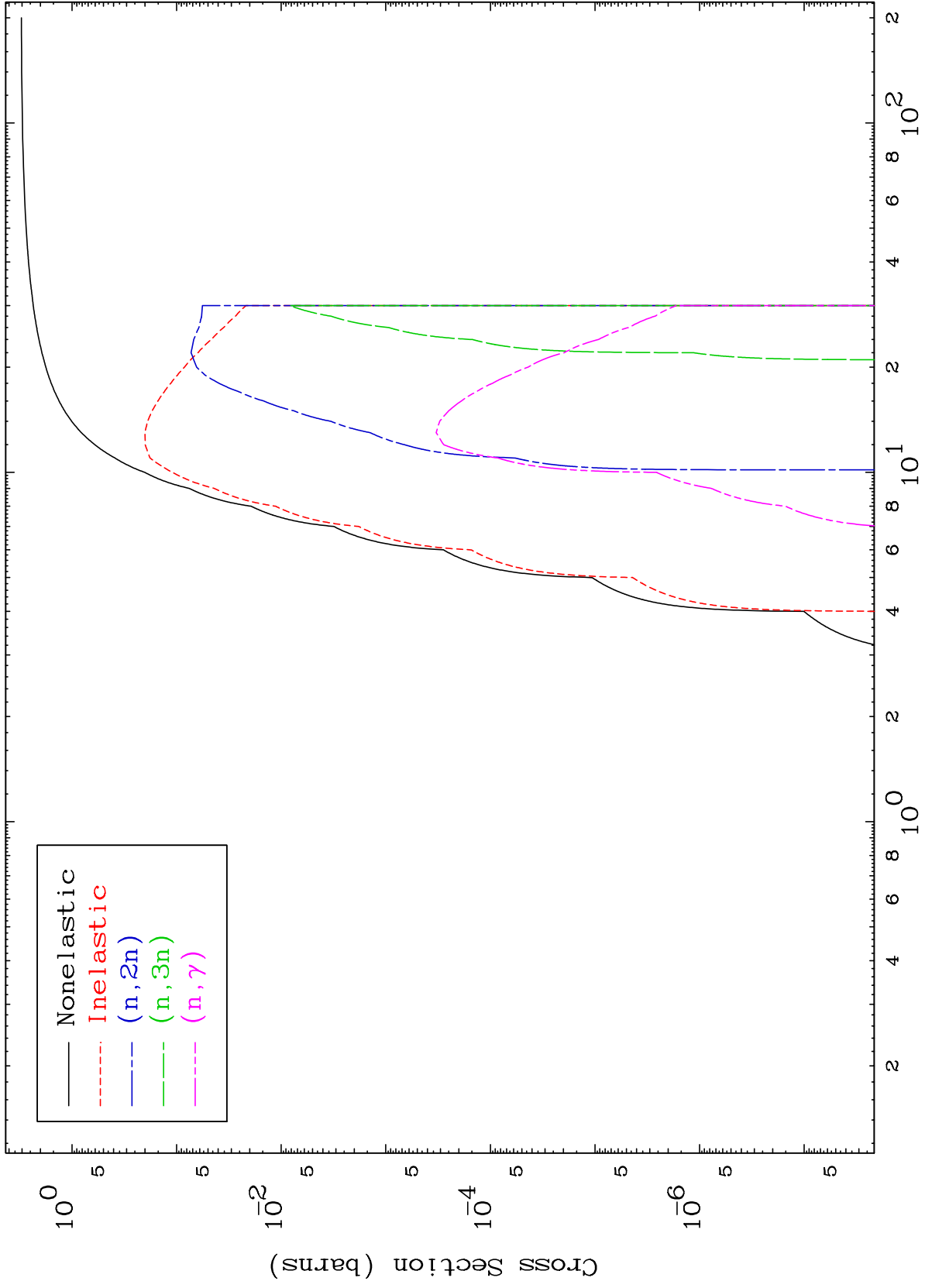
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

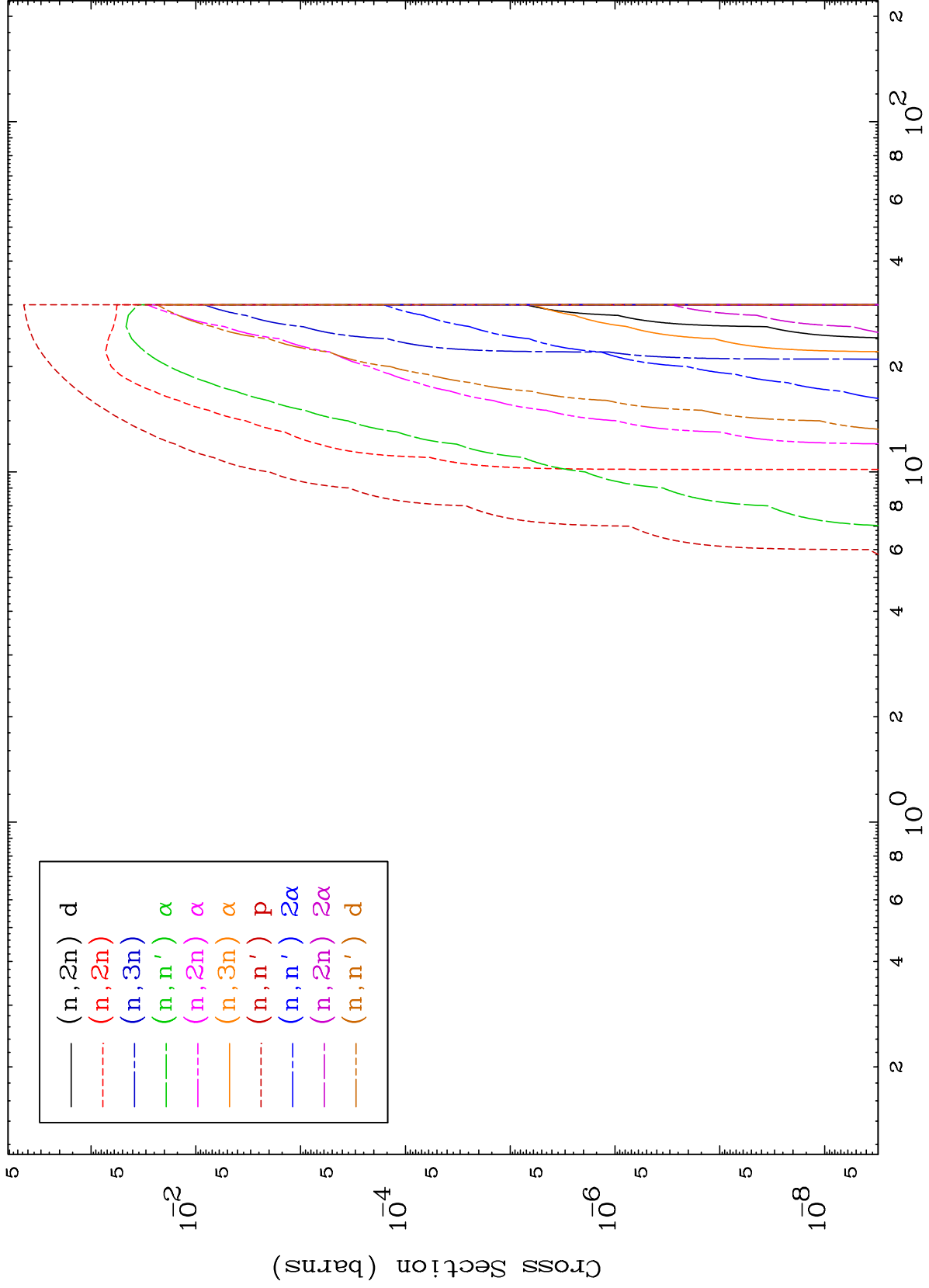
Tele: 925-443-1911

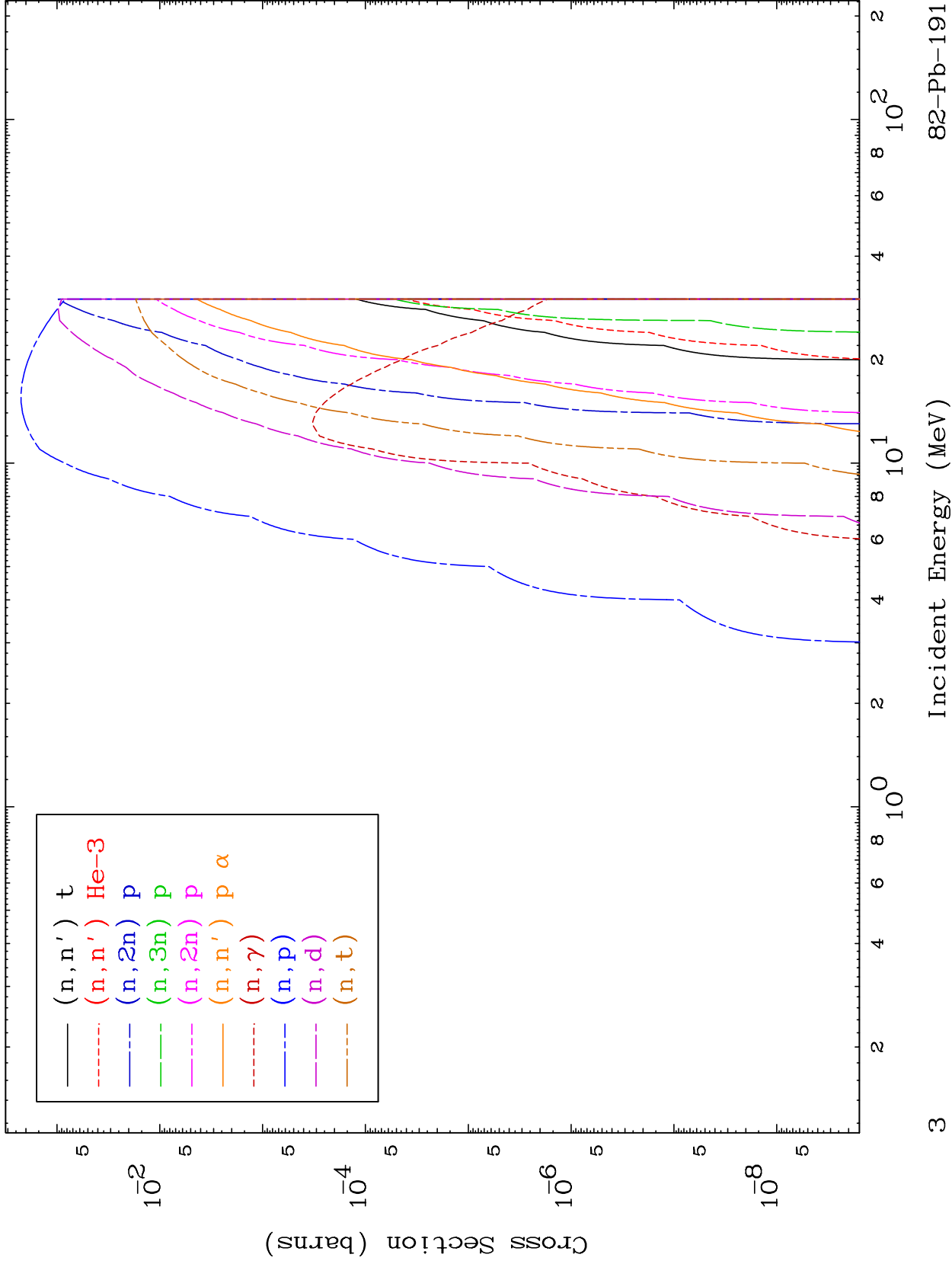
E.Mail:redcullen1@comcast.net

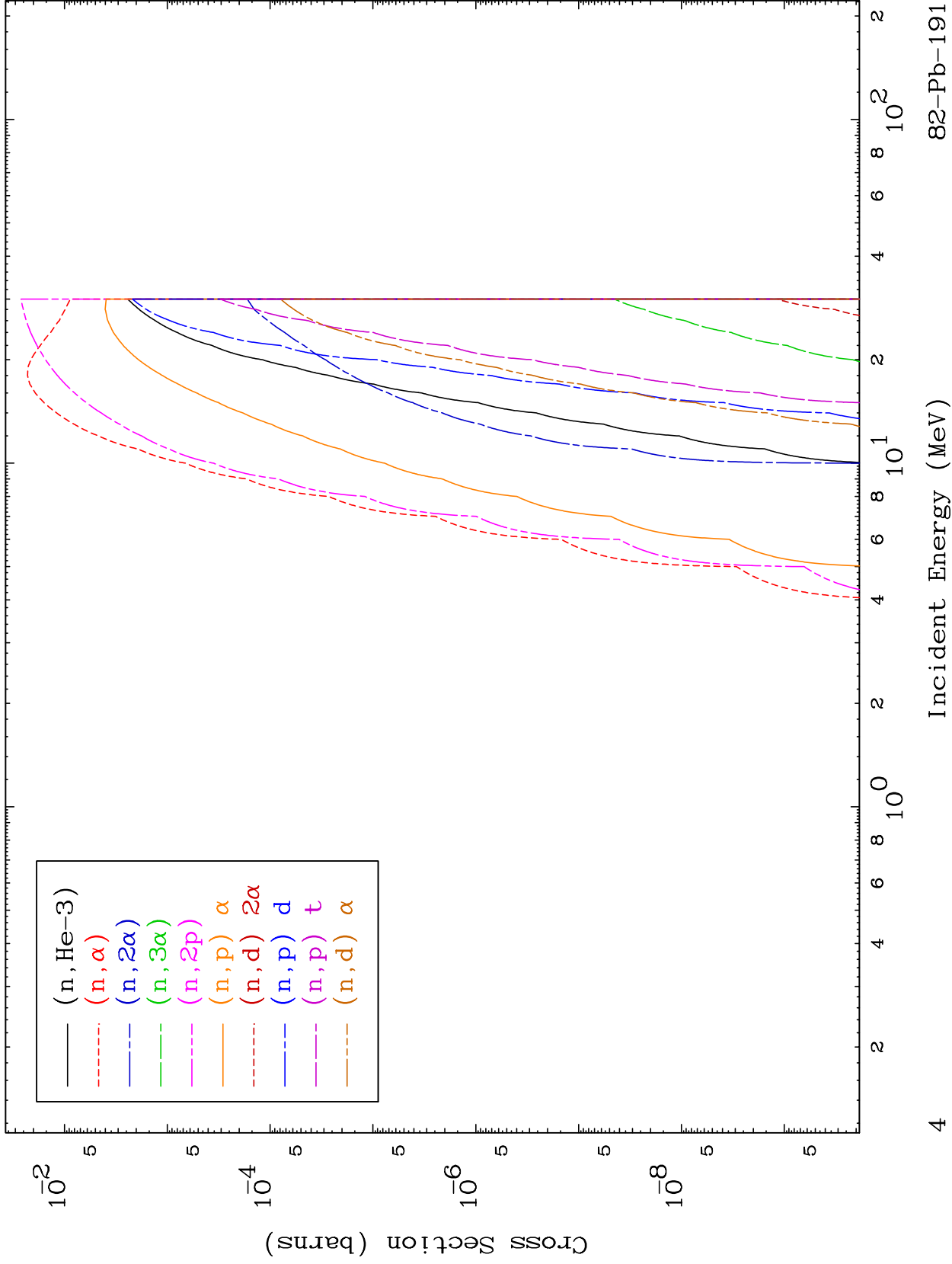
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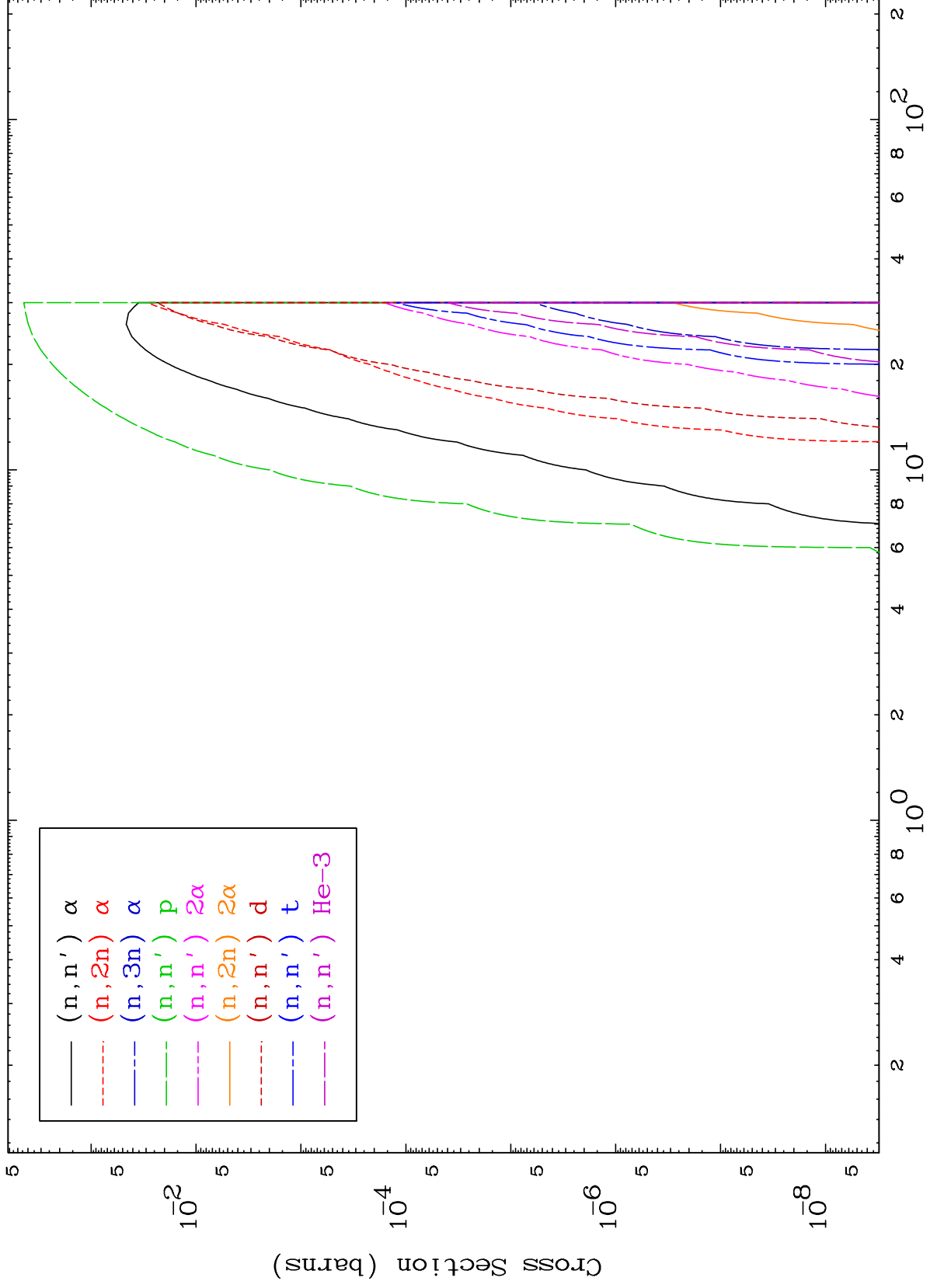
Press Mouse Button to Start

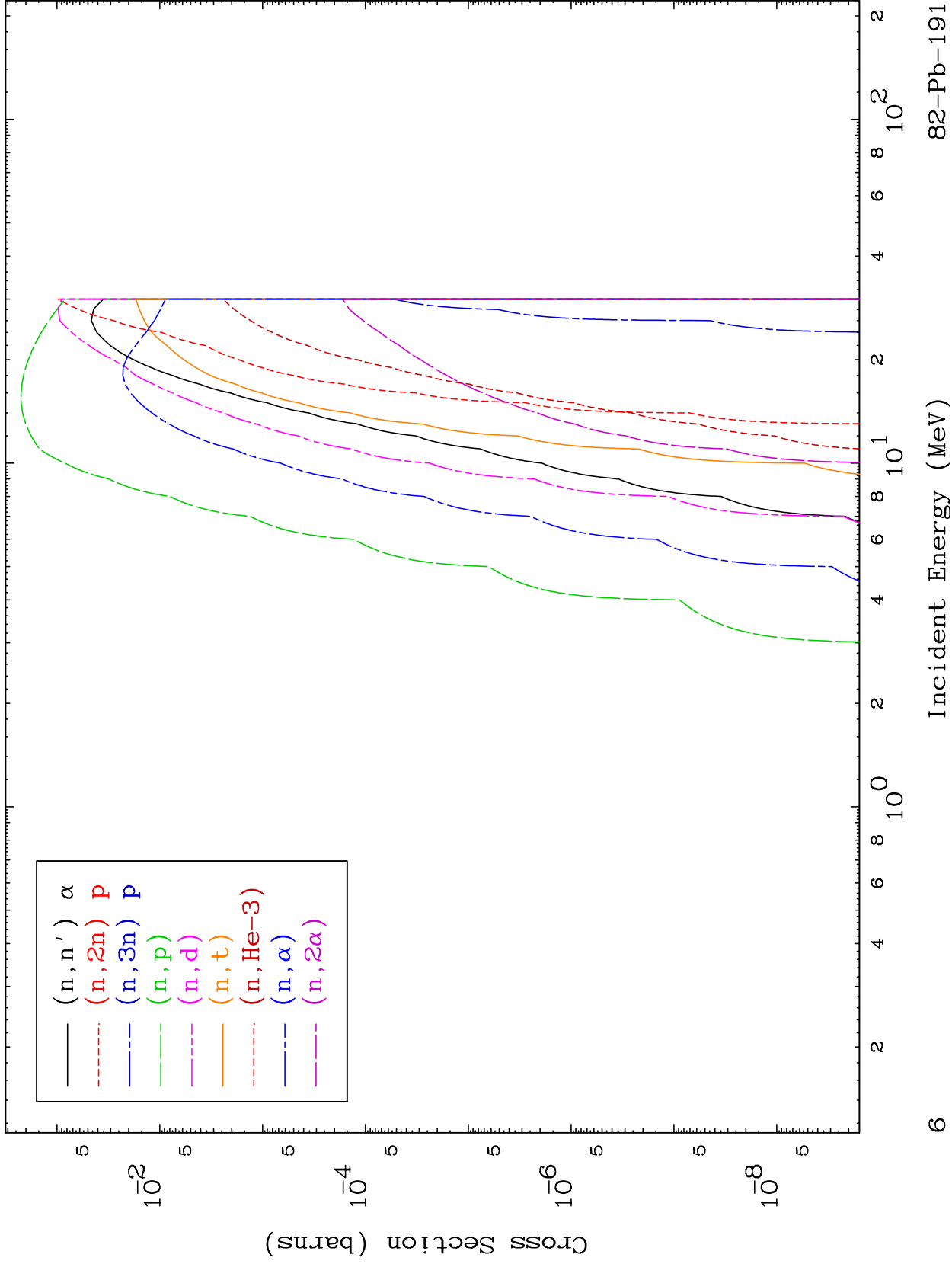


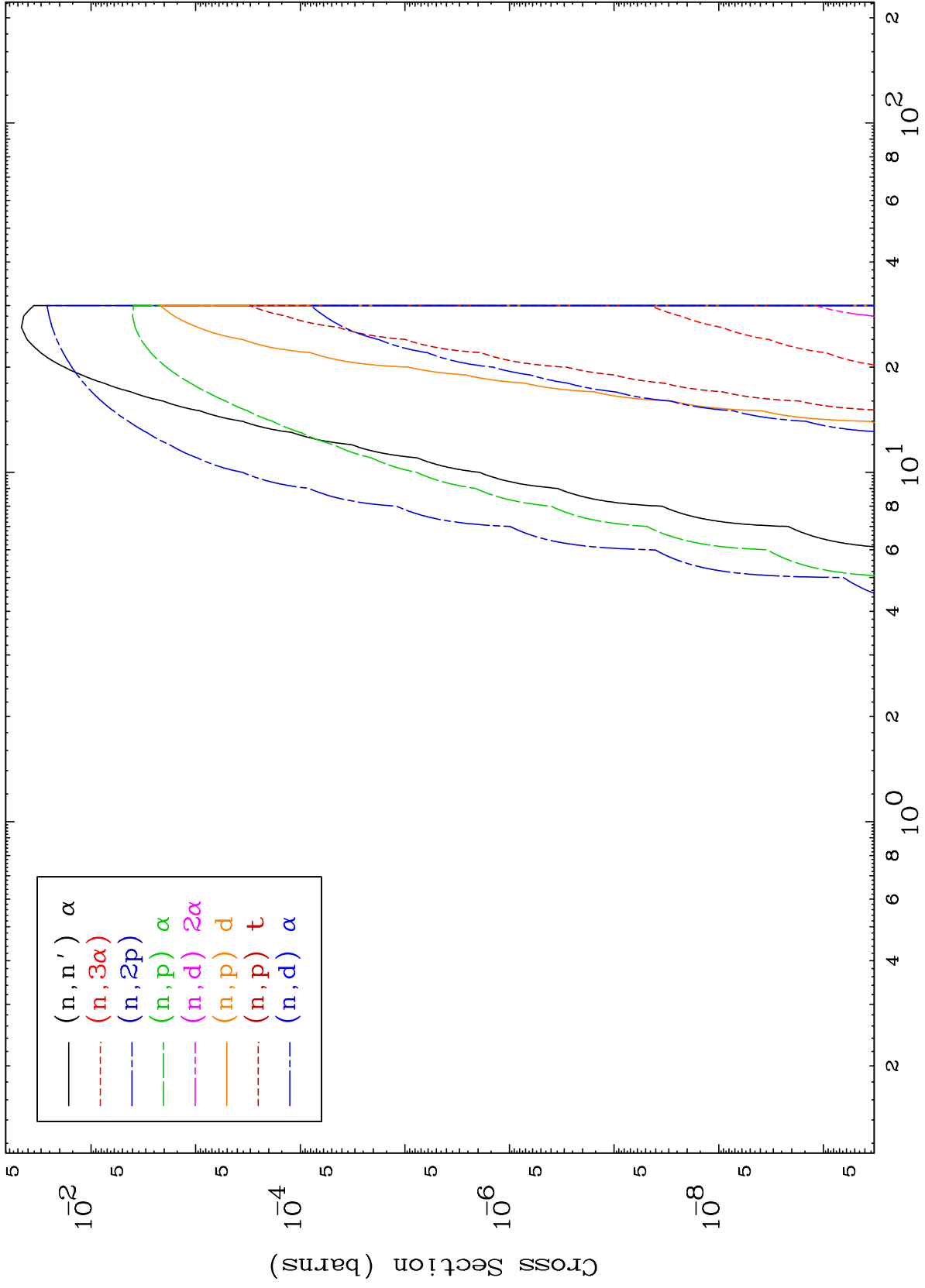








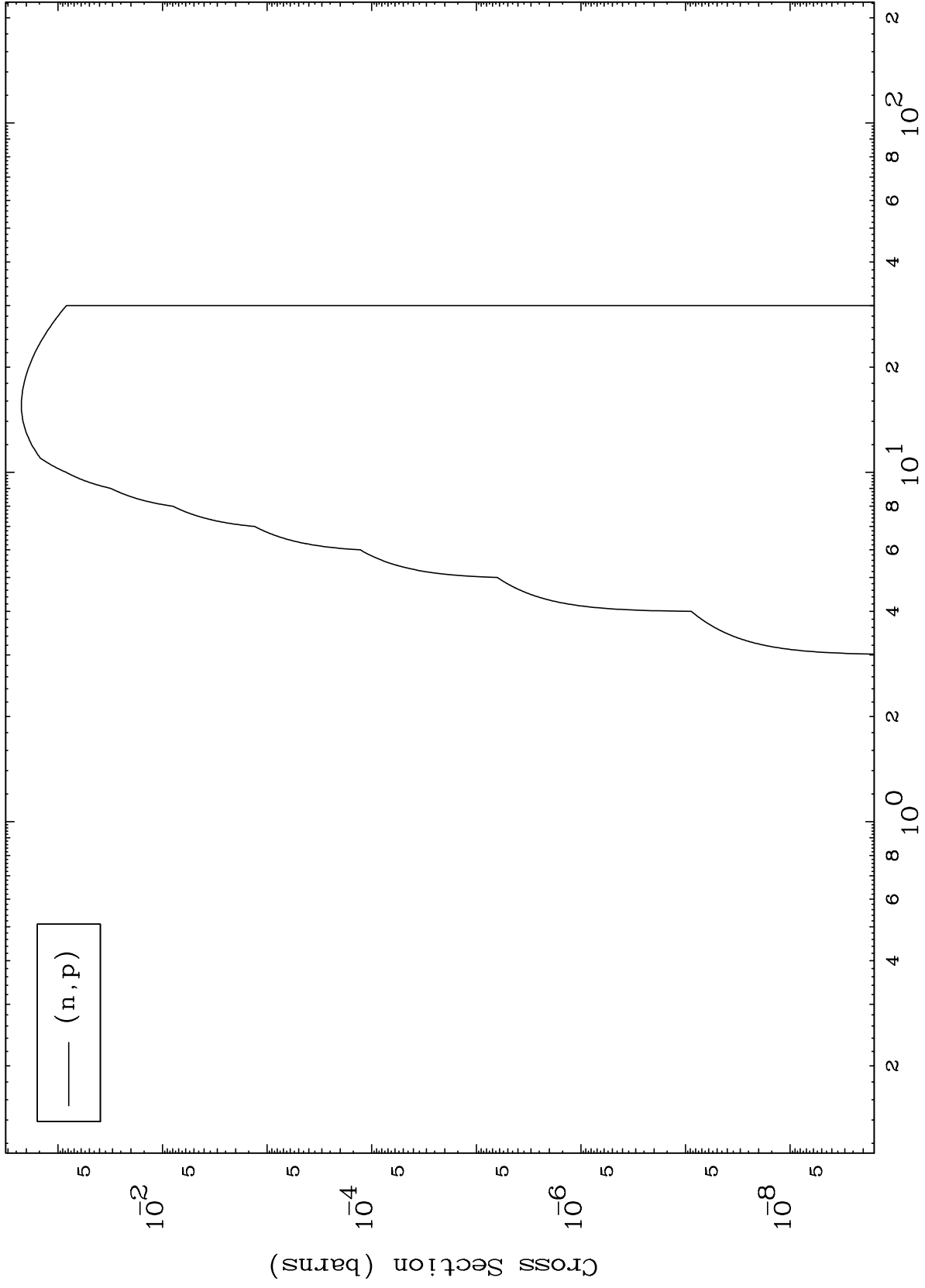




MAT 8186

(d,p) Levels
0 Kelvin Cross Sections

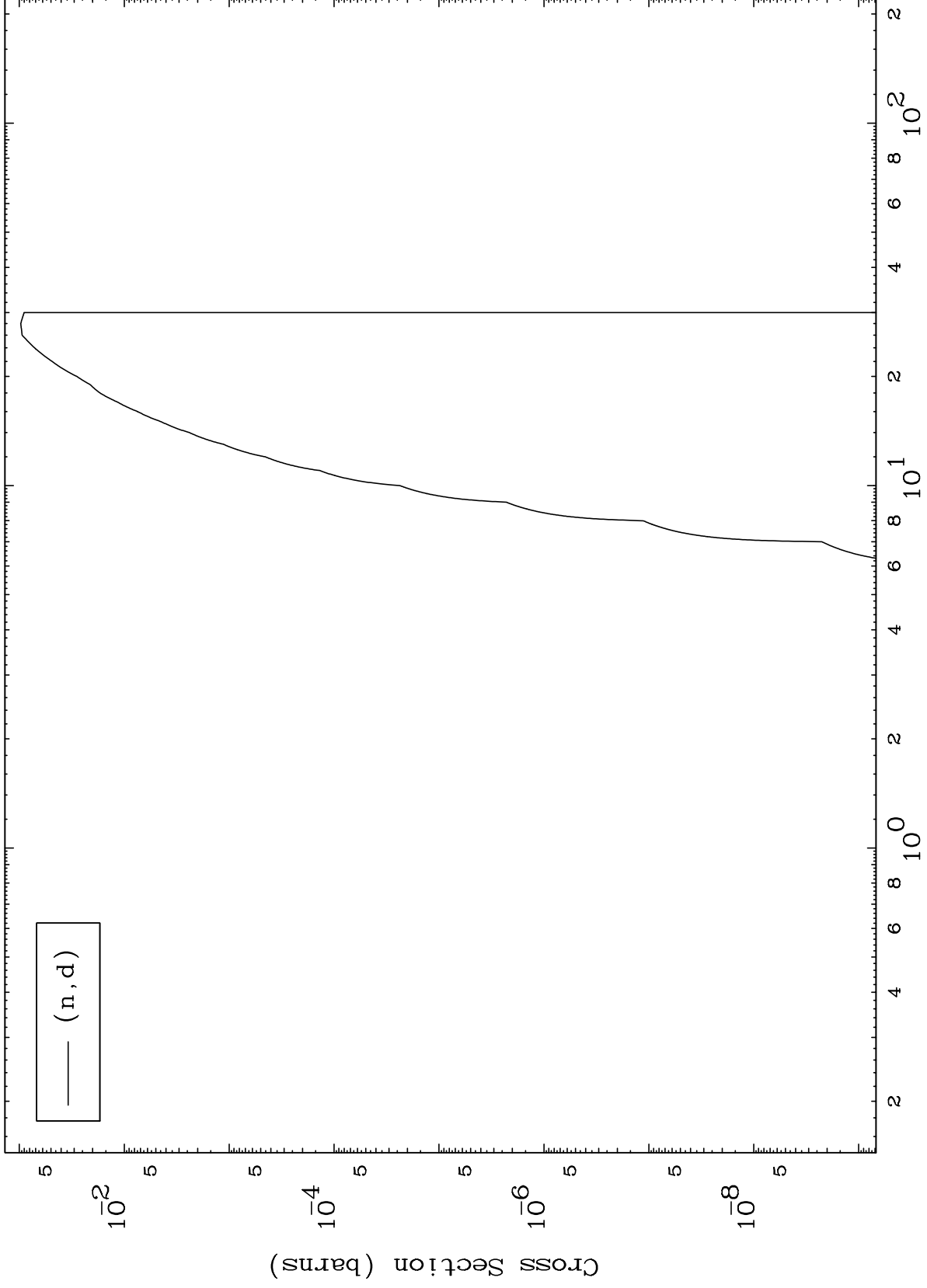
82-Pb-191



MAT 8186

(d,d) Levels
0 Kelvin Cross Sections

82-Pb-191



9

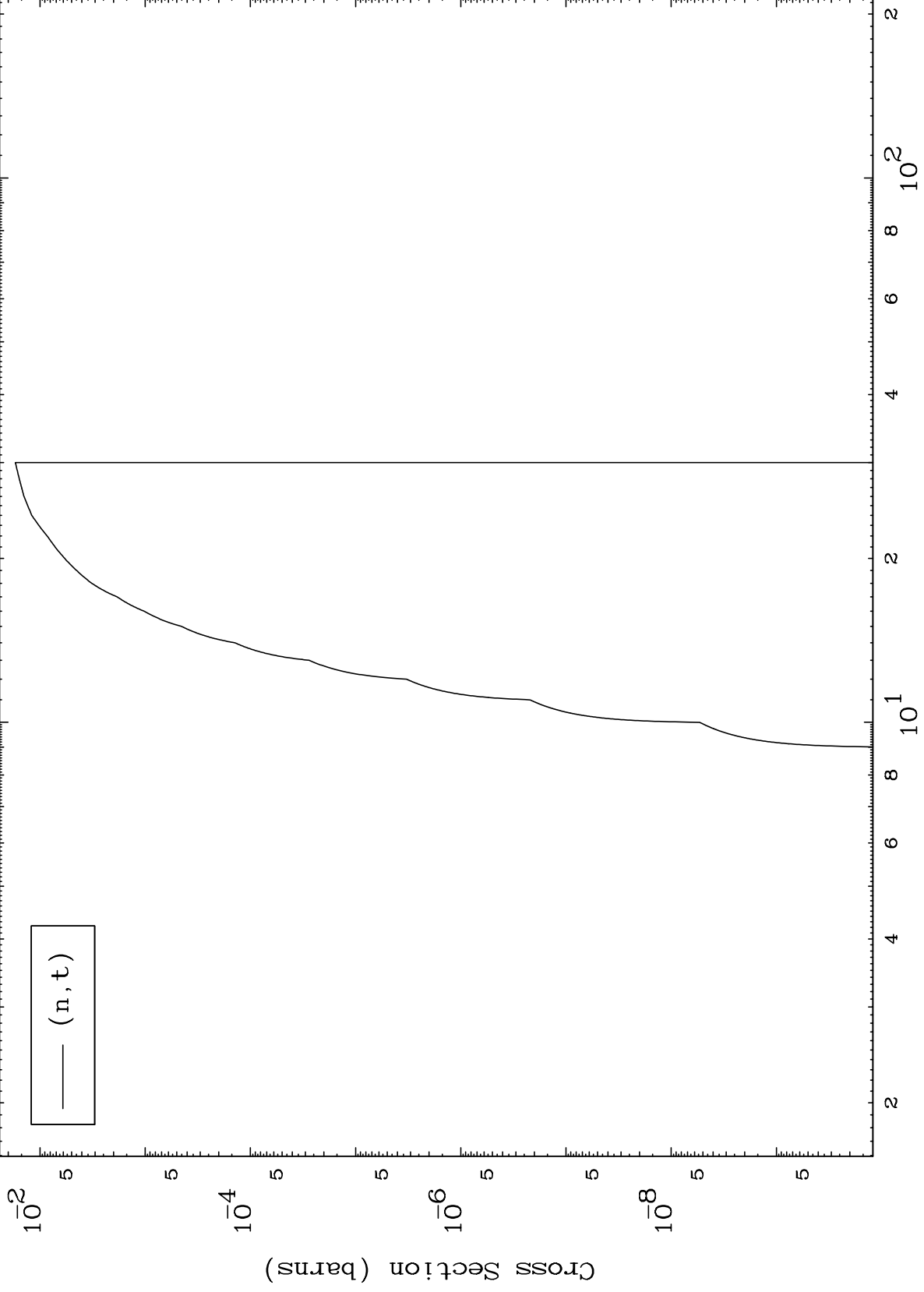
Incident Energy (MeV)

82-Pb-191

MAT 8186

(d,t) Levels
0 Kelvin Cross Sections

82-Pb-191



10

Incident Energy (MeV)

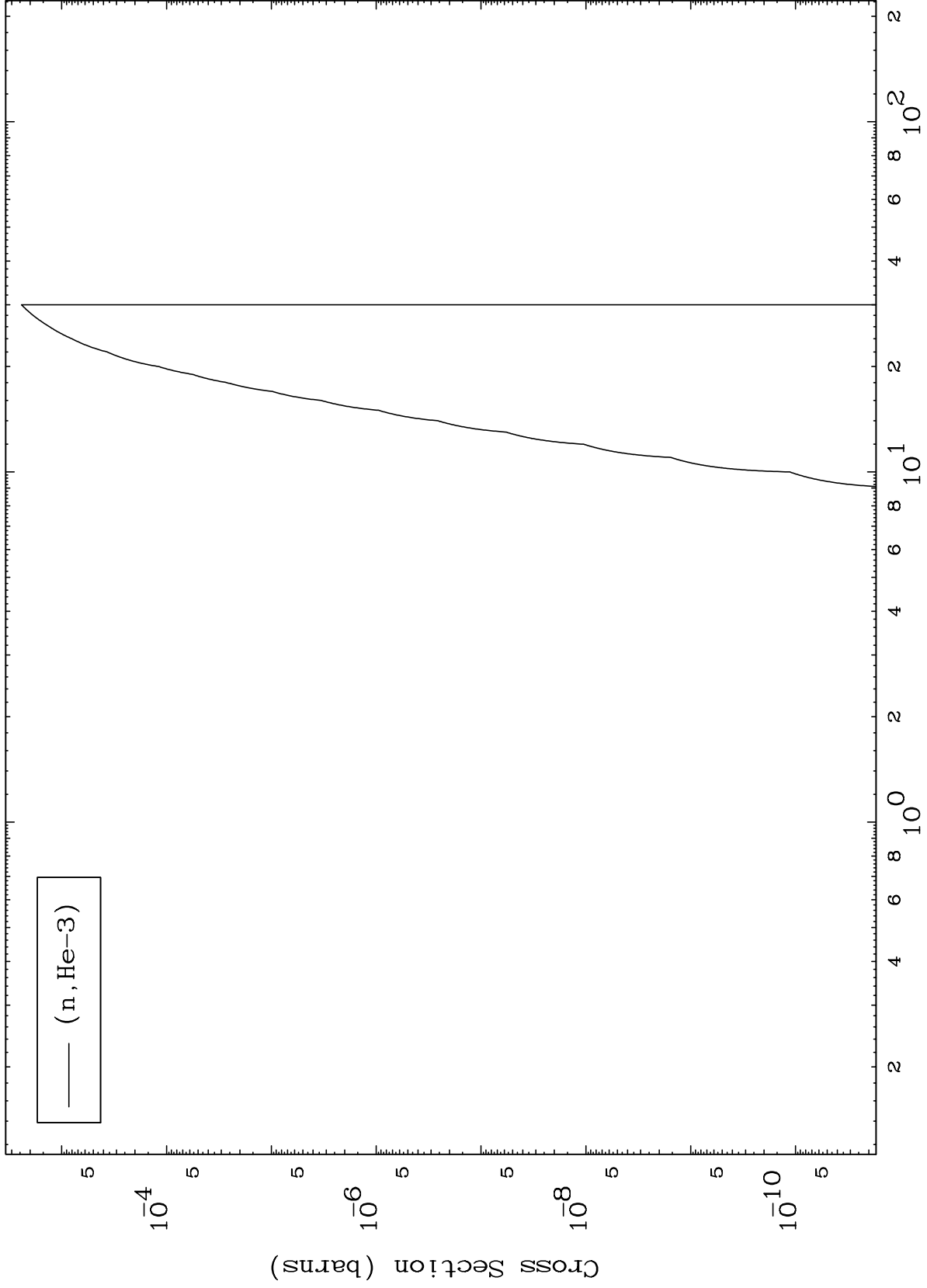
82-Pb-191

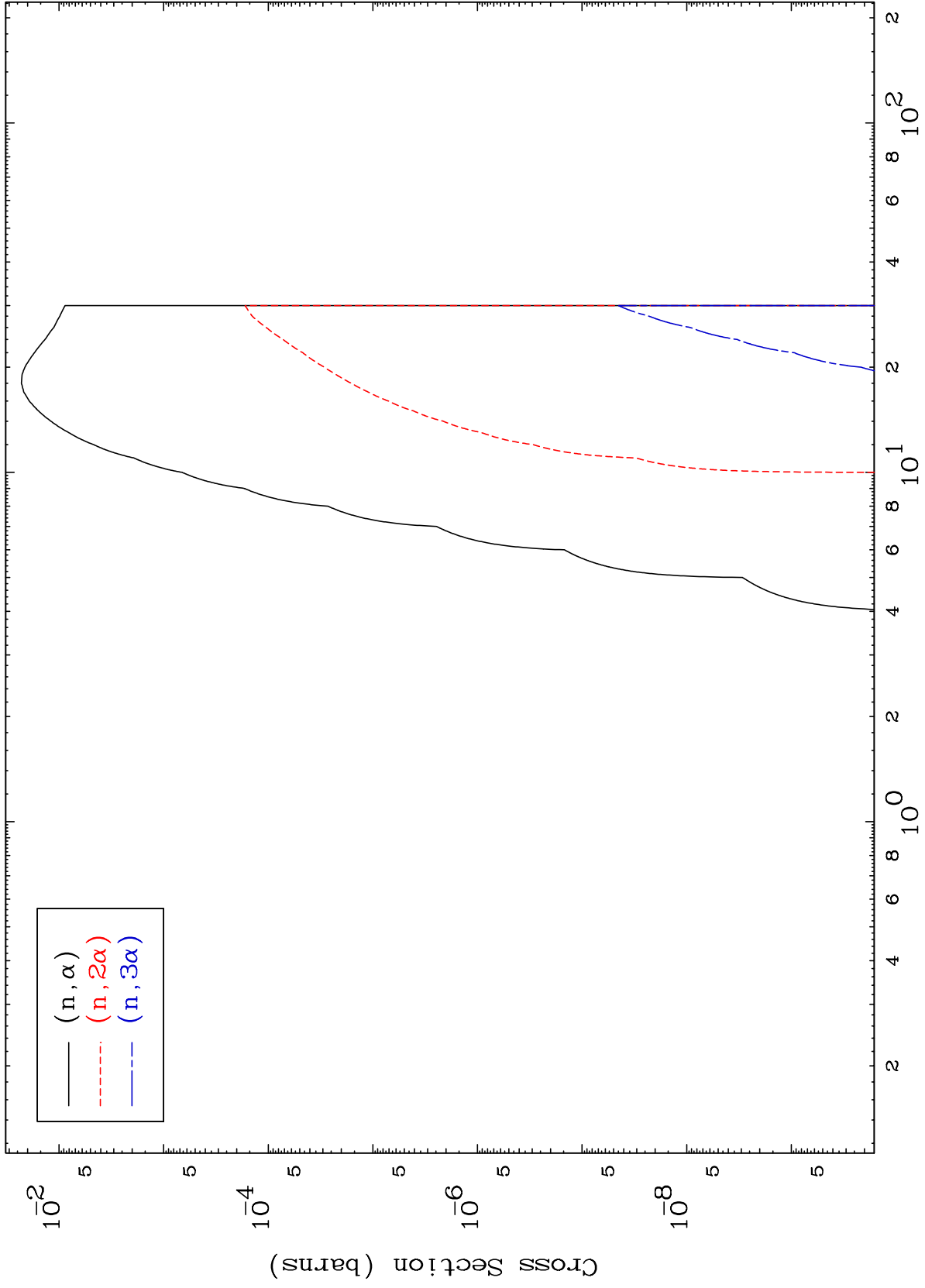
MAT 8186

(d,He3) Levels

82-Pb-191

0 Kelvin Cross Sections

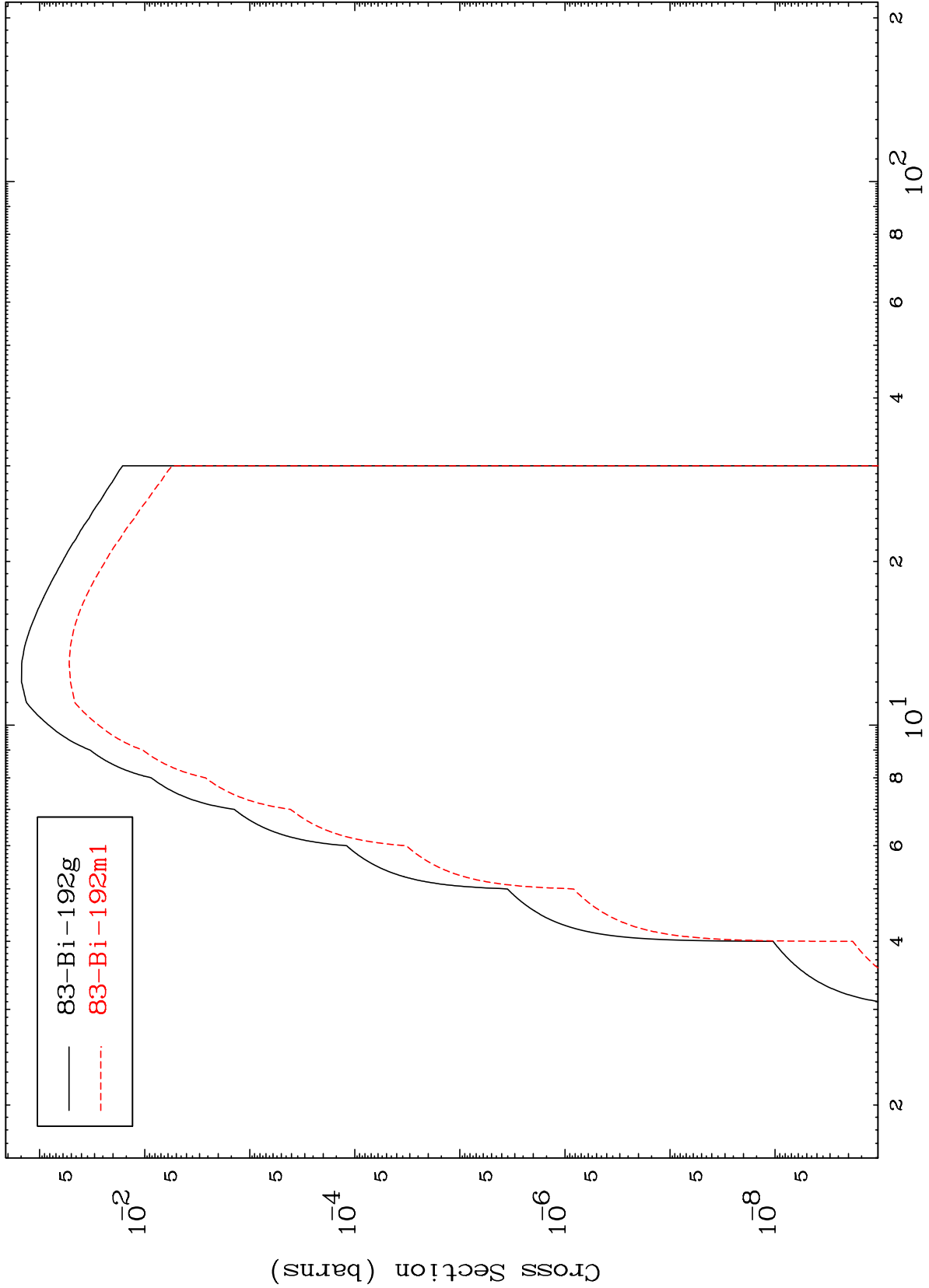




MAT 8186

82-Pb-191

Inelastic
Radionuclide Production Cross Section



13

82-Pb-191

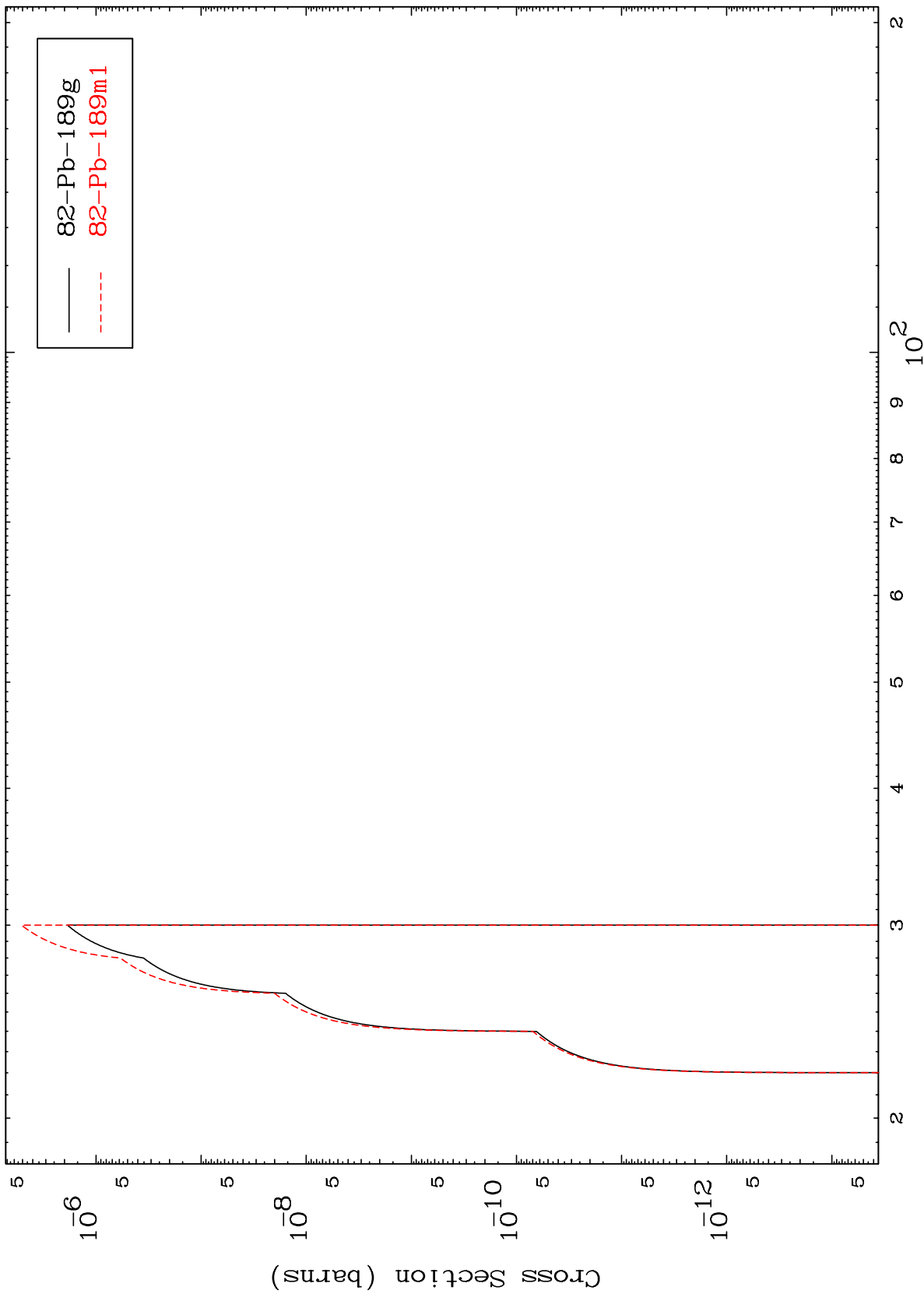
Incident Energy (MeV)

MAT 8186

(n,2n) d

82-Pb-191

Radionuclide Production Cross Section



14

Incident Energy (MeV)

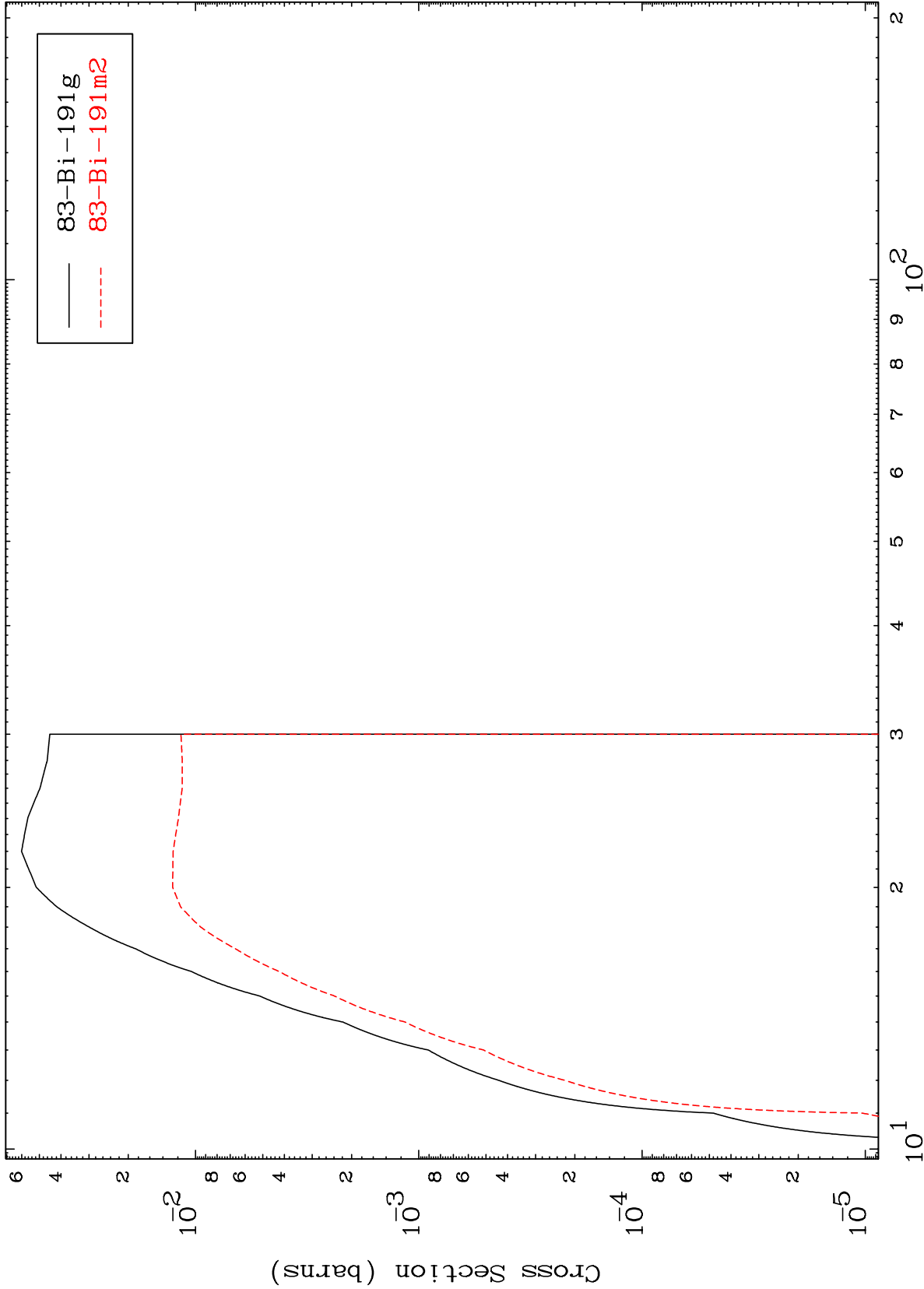
82-Pb-191

MAT 8186

(n,2n)

82-Pb-191

Radionuclide Production Cross Section



Incident Energy (MeV)

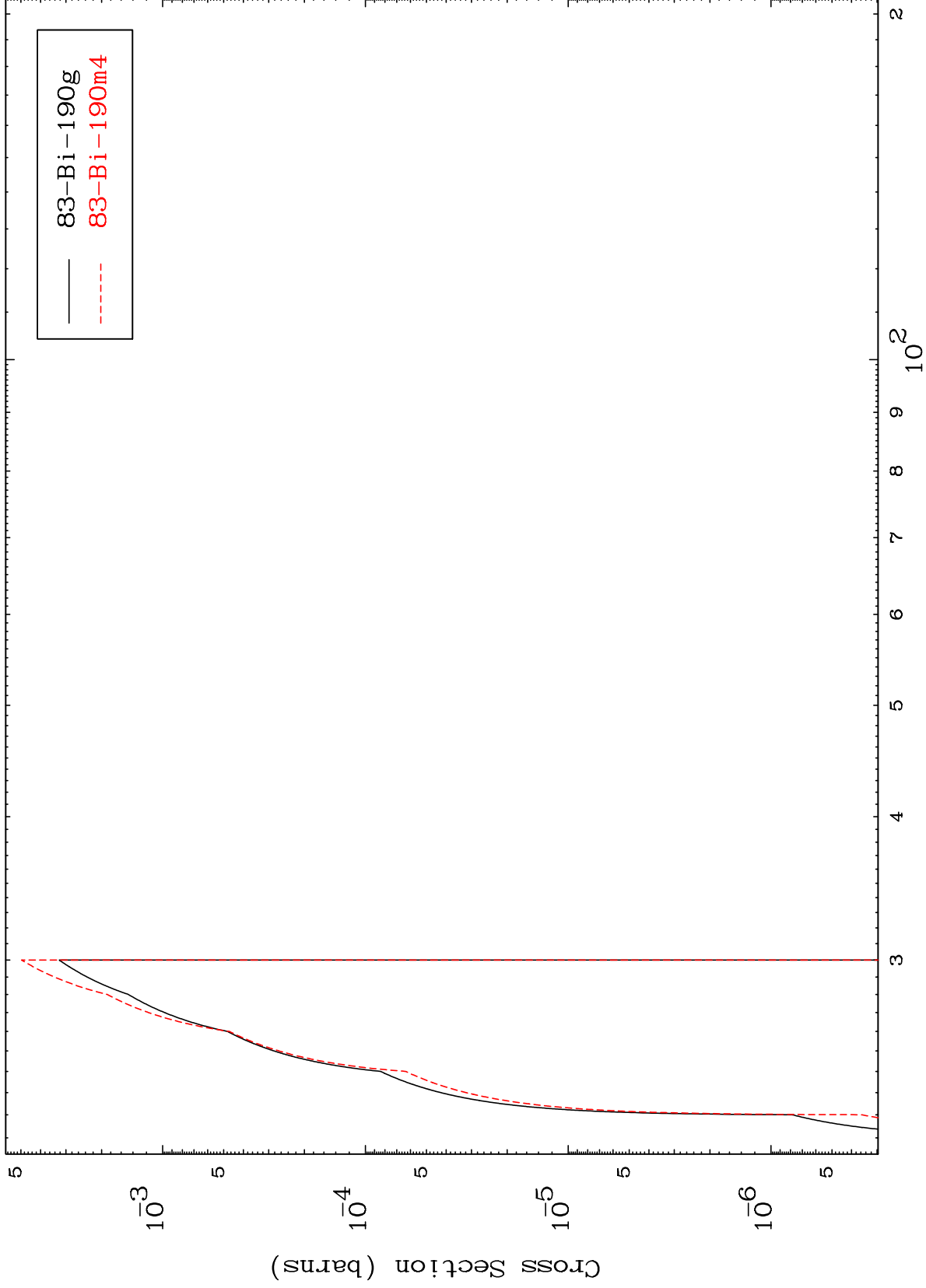
82-Pb-191

MAT 8186

(n,3n)

82-Pb-191

Radionuclide Production Cross Section



16

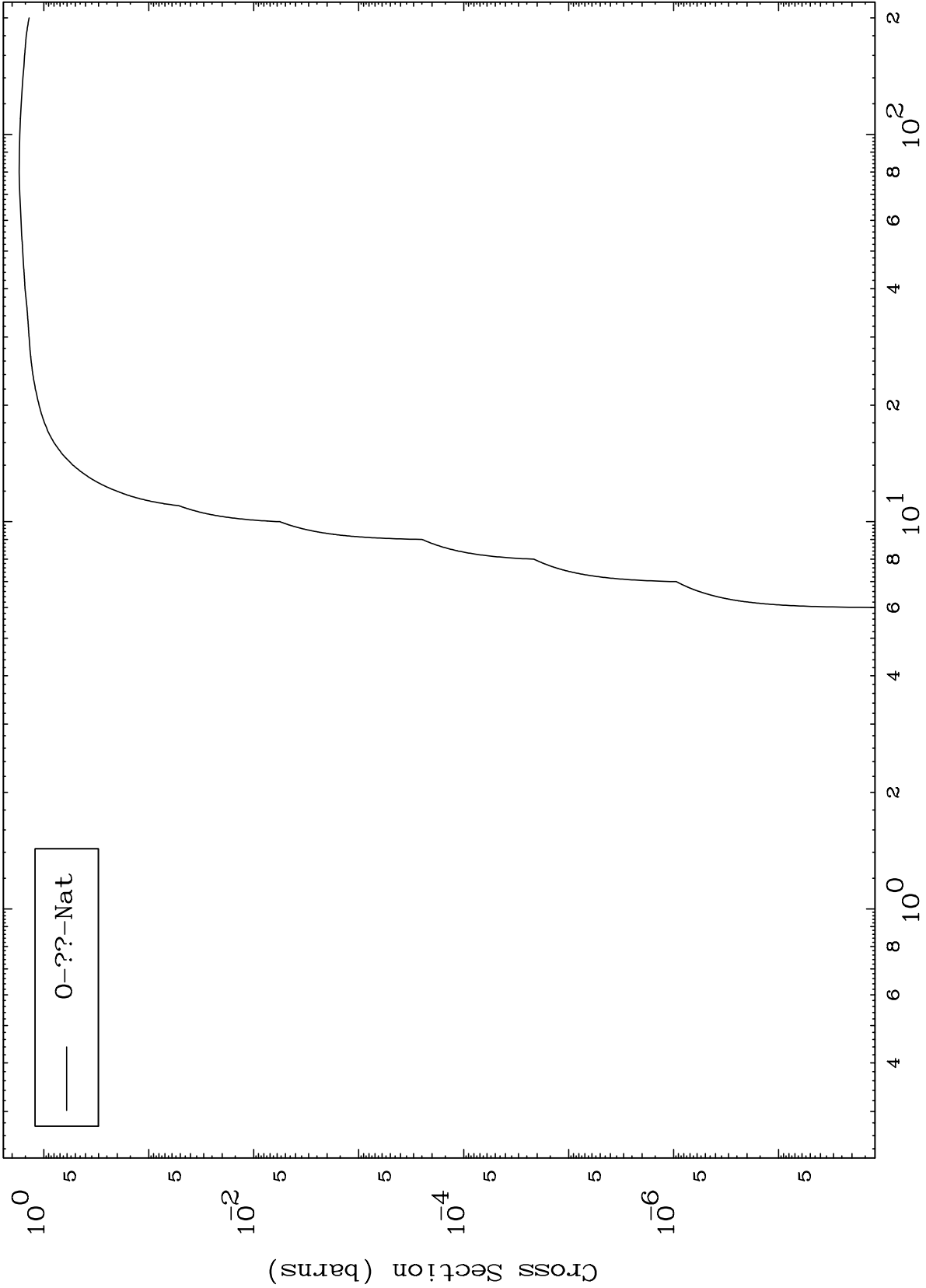
Incident Energy (MeV)

82-Pb-191

MAT 8186

82-Pb-191

Fission
Radionuclide Production Cross Section



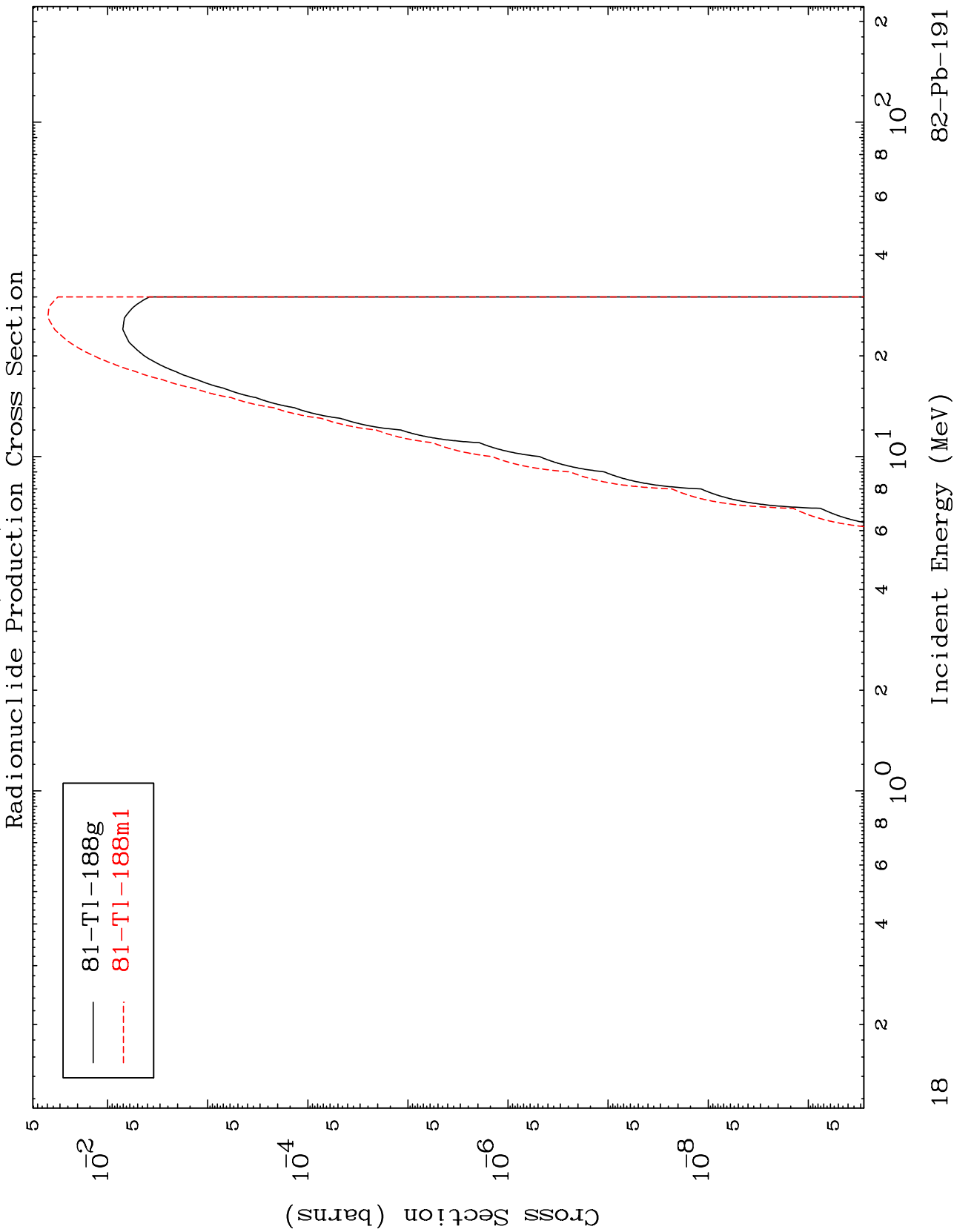
82-Pb-191

Incident Energy (MeV)

MAT 8186

$(n, n') \alpha$

82-Pb-191

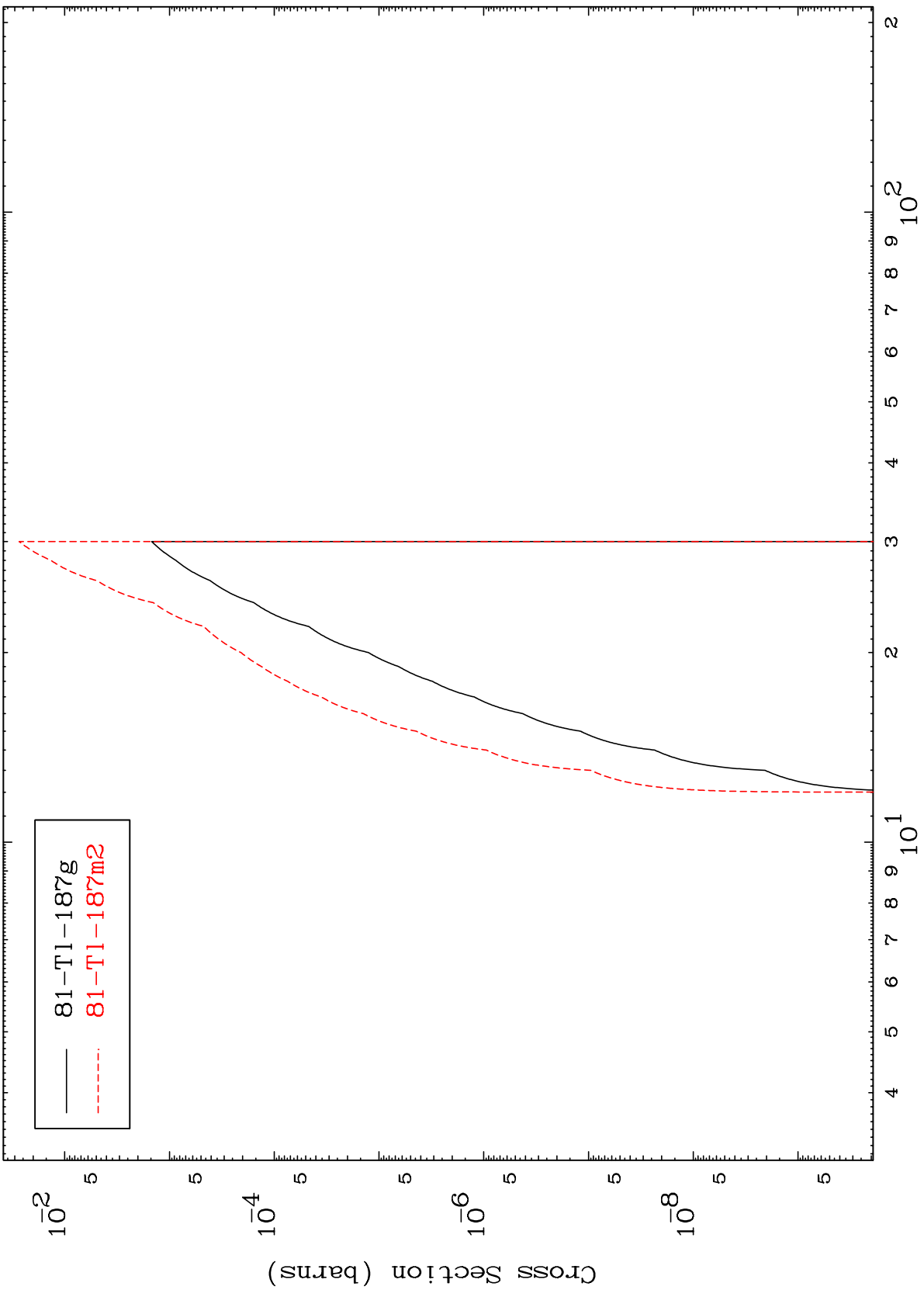


MAT 8186

$(n,2n) \alpha$

82-Pb-191

Radionuclide Production Cross Section



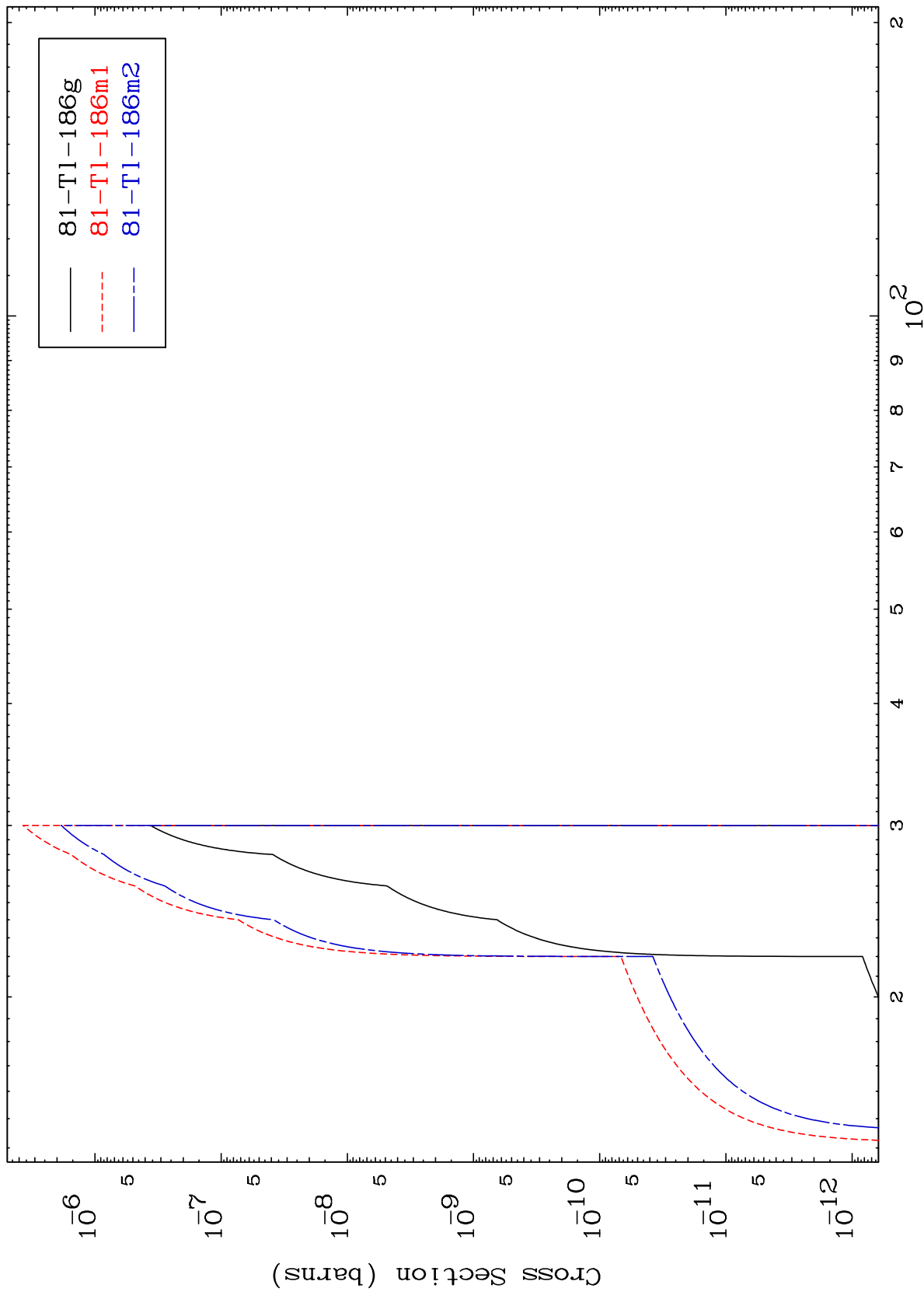
— 81-Tl-187g
- - - 81-Tl-187m2

19

Incident Energy (MeV)

82-Pb-191

Radionuclide Production Cross Section

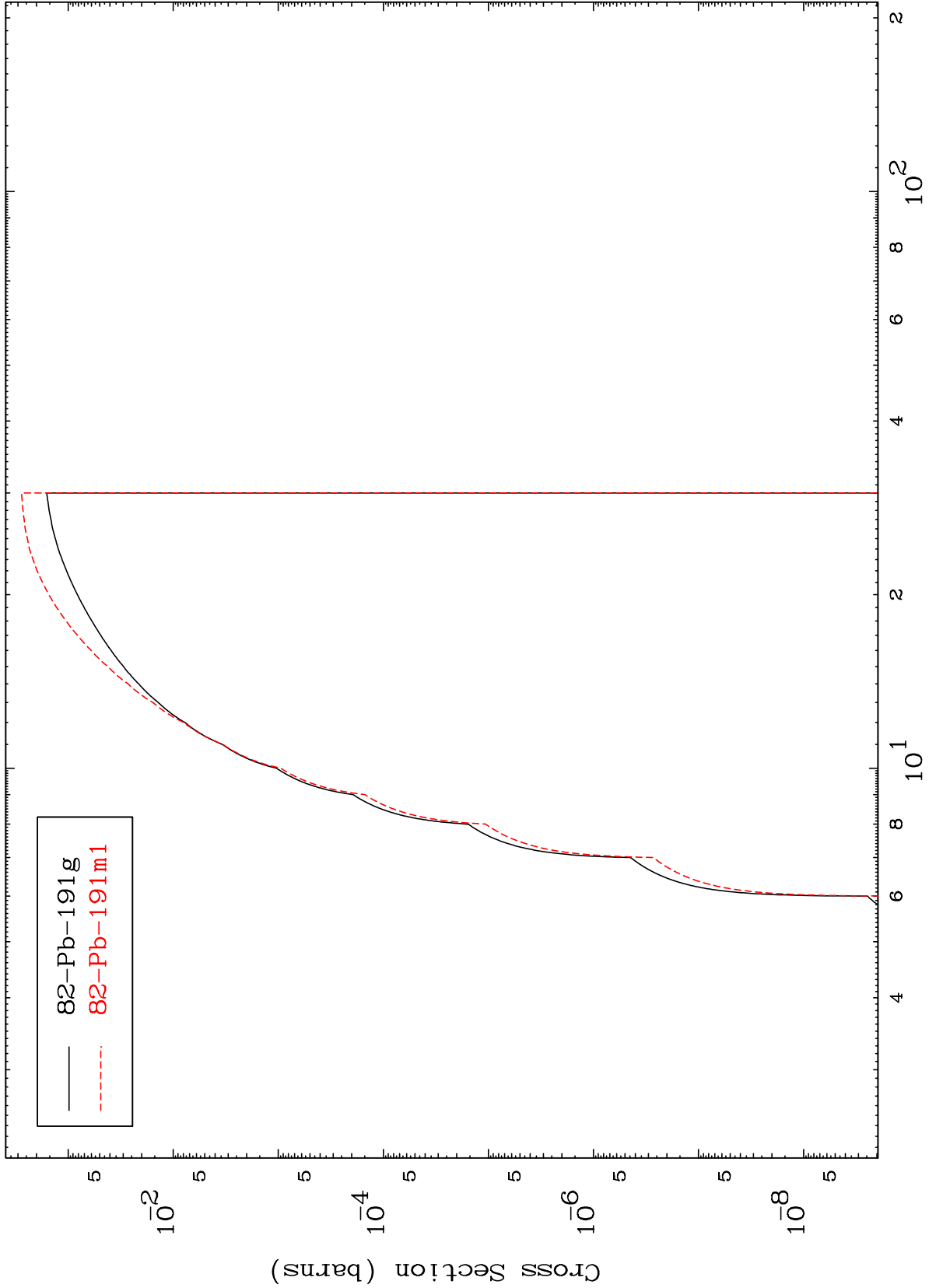


MAT 8186

82-Pb-191

(n,n') p

Radionuclide Production Cross Section



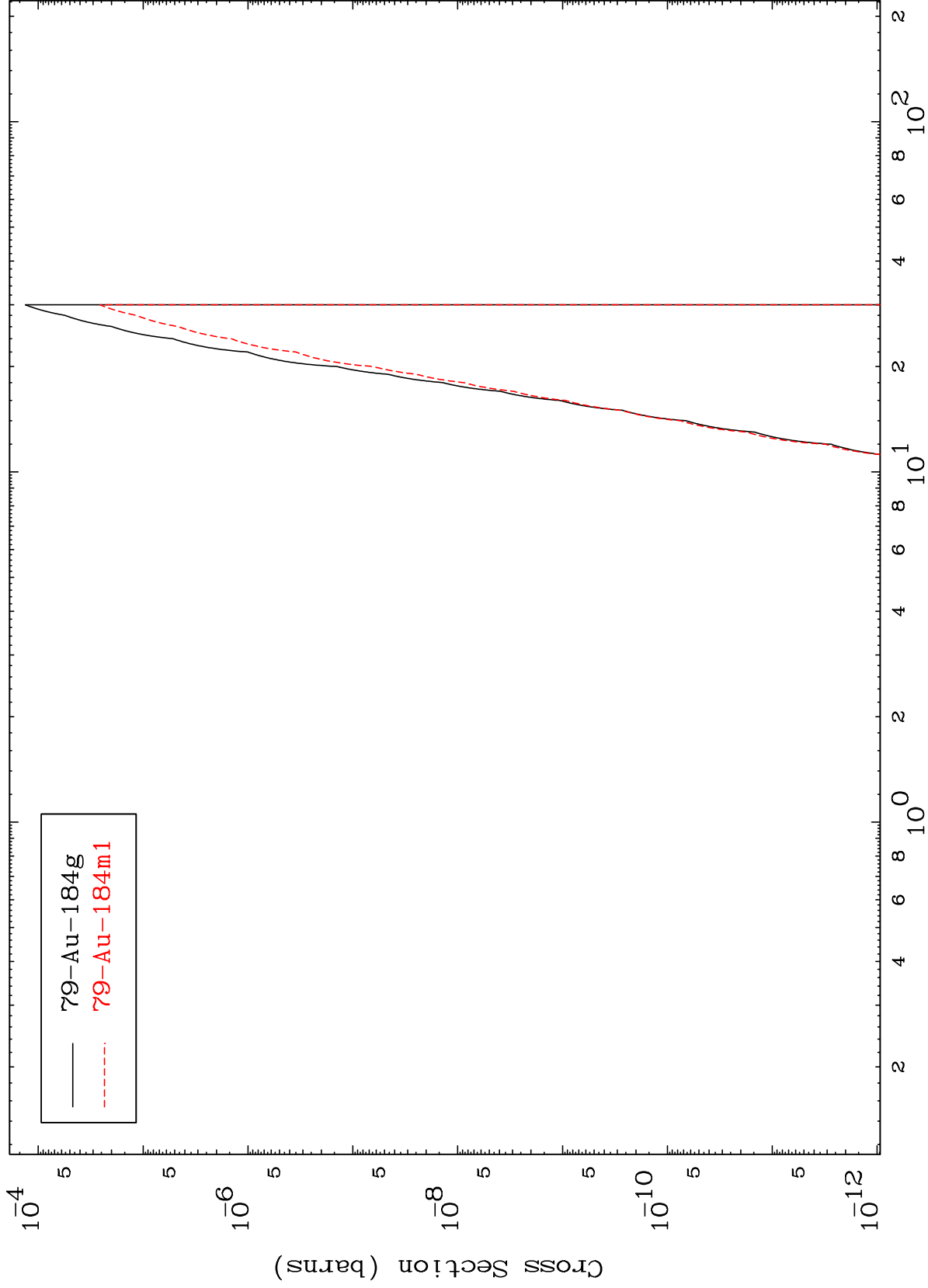
82-Pb-191g
82-Pb-191m1

MAT 8186

(n,n') 2 α

82-Pb-191

Radionuclide Production Cross Section



22

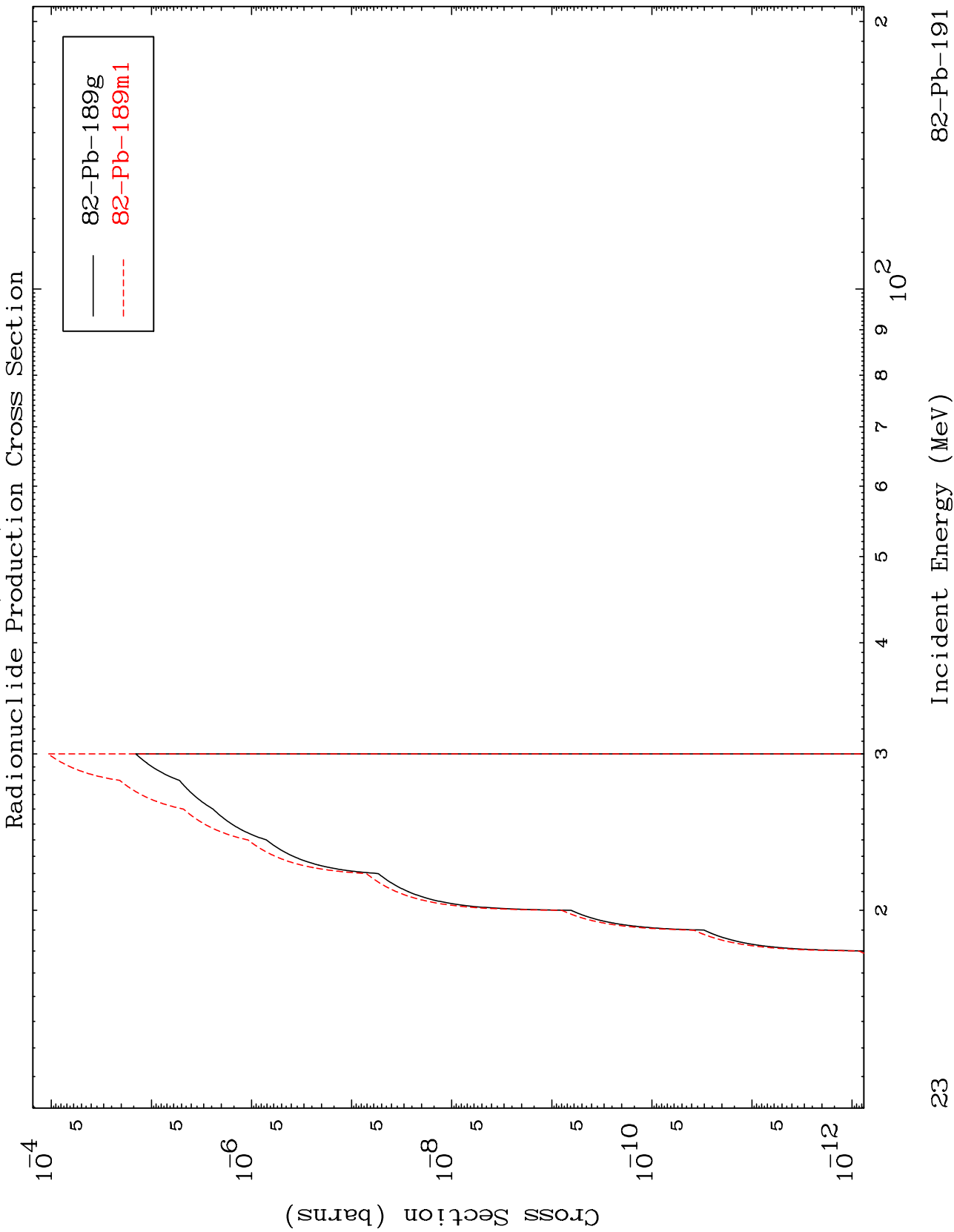
Incident Energy (MeV)

82-Pb-191

MAT 8186

(n,n') t

82-Pb-191



23

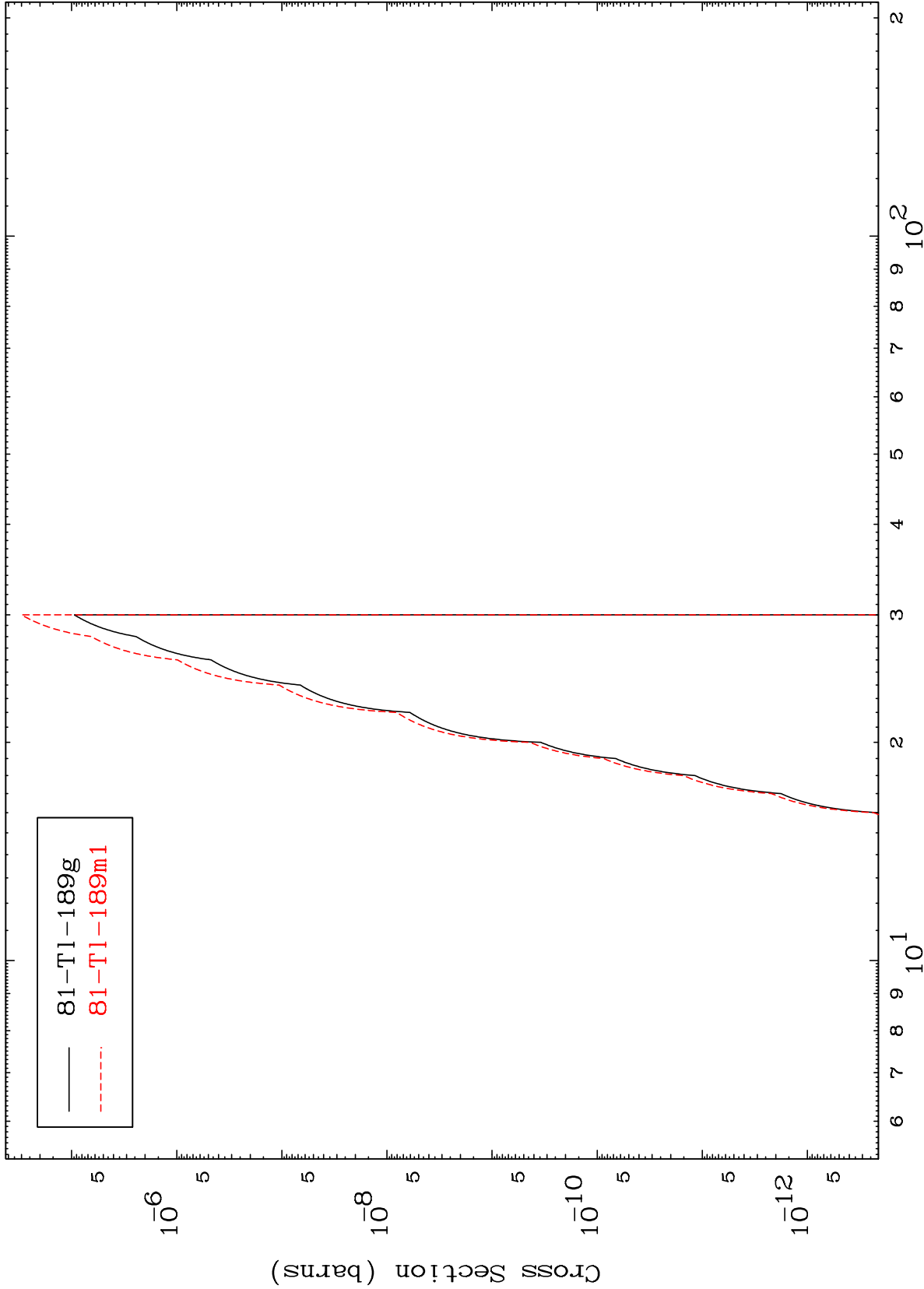
82-Pb-191

MAT 8186

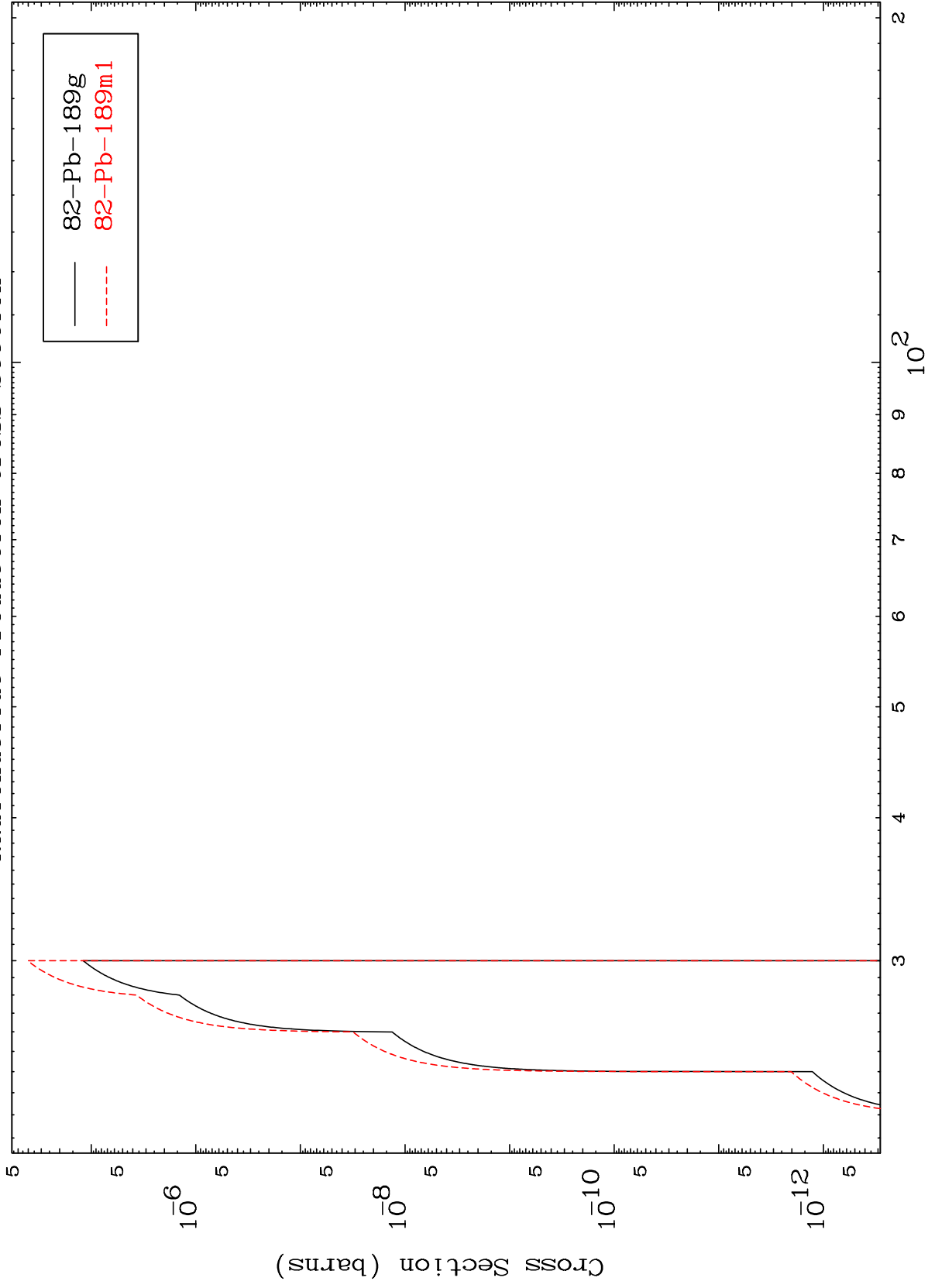
(n,n') He-3

82-Pb-191

Radionuclide Production Cross Section



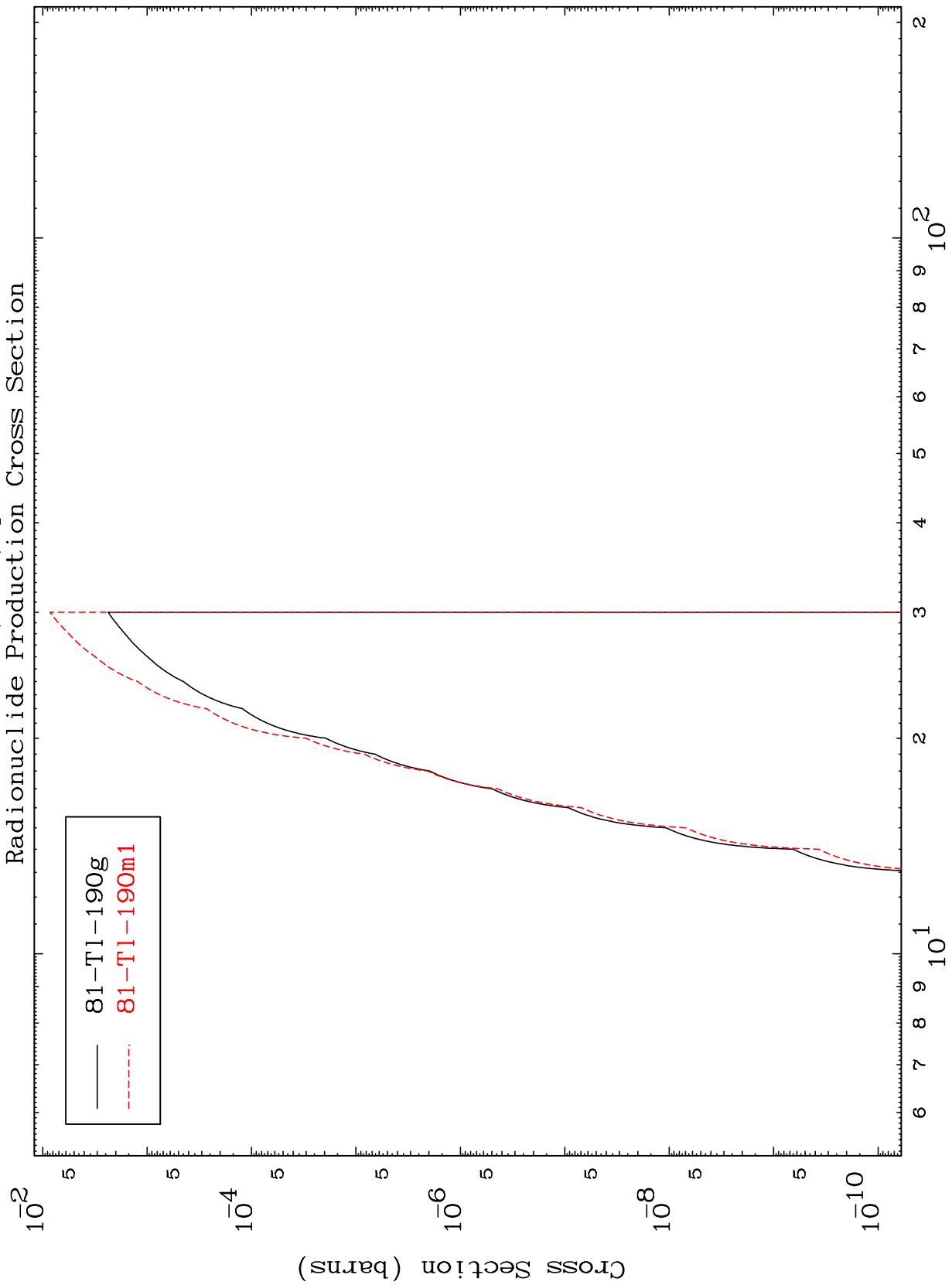
Radionuclide Production Cross Section



MAT 8186

(n,2n) p

82-Pb-191



26

Incident Energy (MeV)

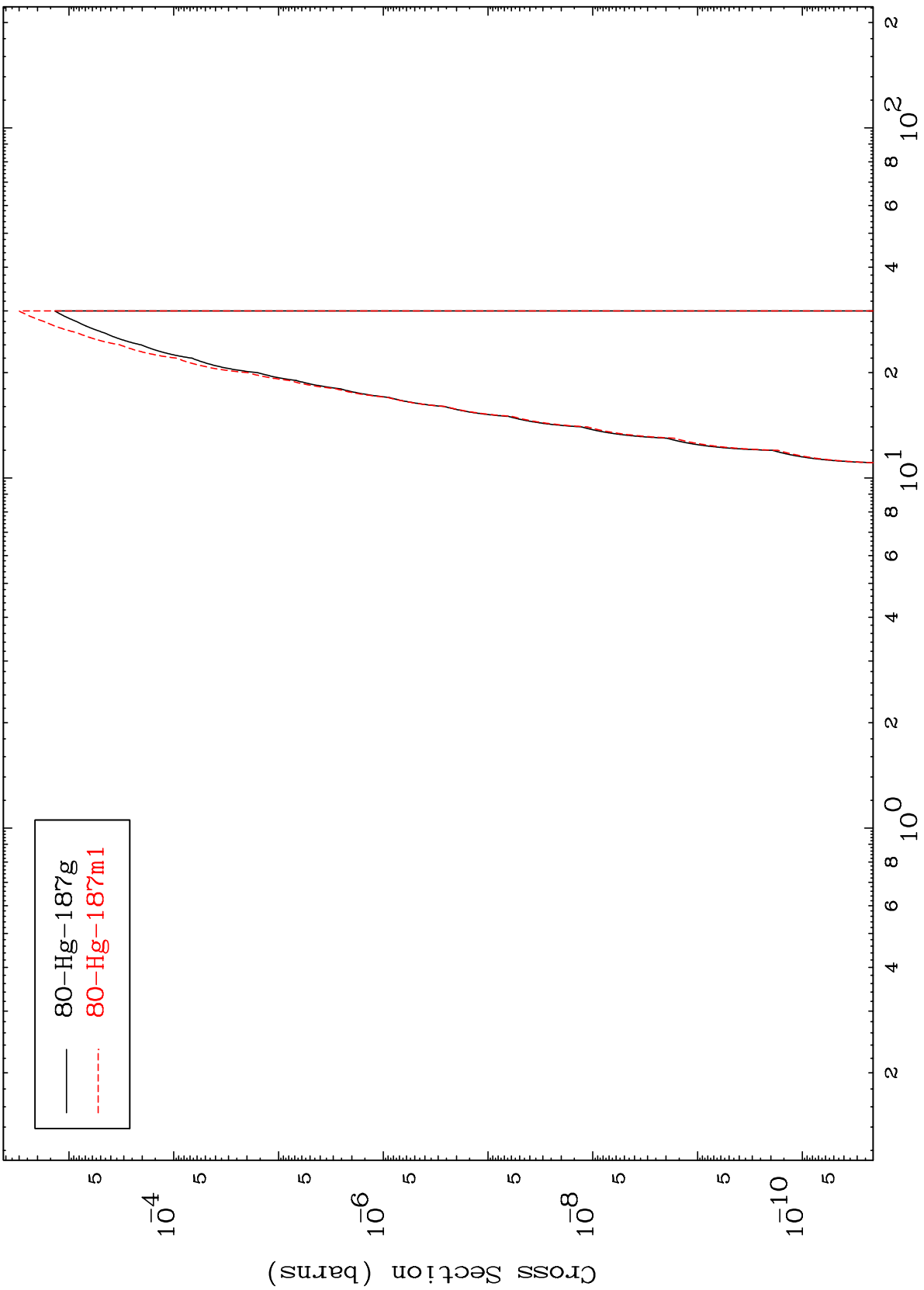
82-Pb-191

MAT 8186

(n,n') p α

82-Pb-191

Radionuclide Production Cross Section

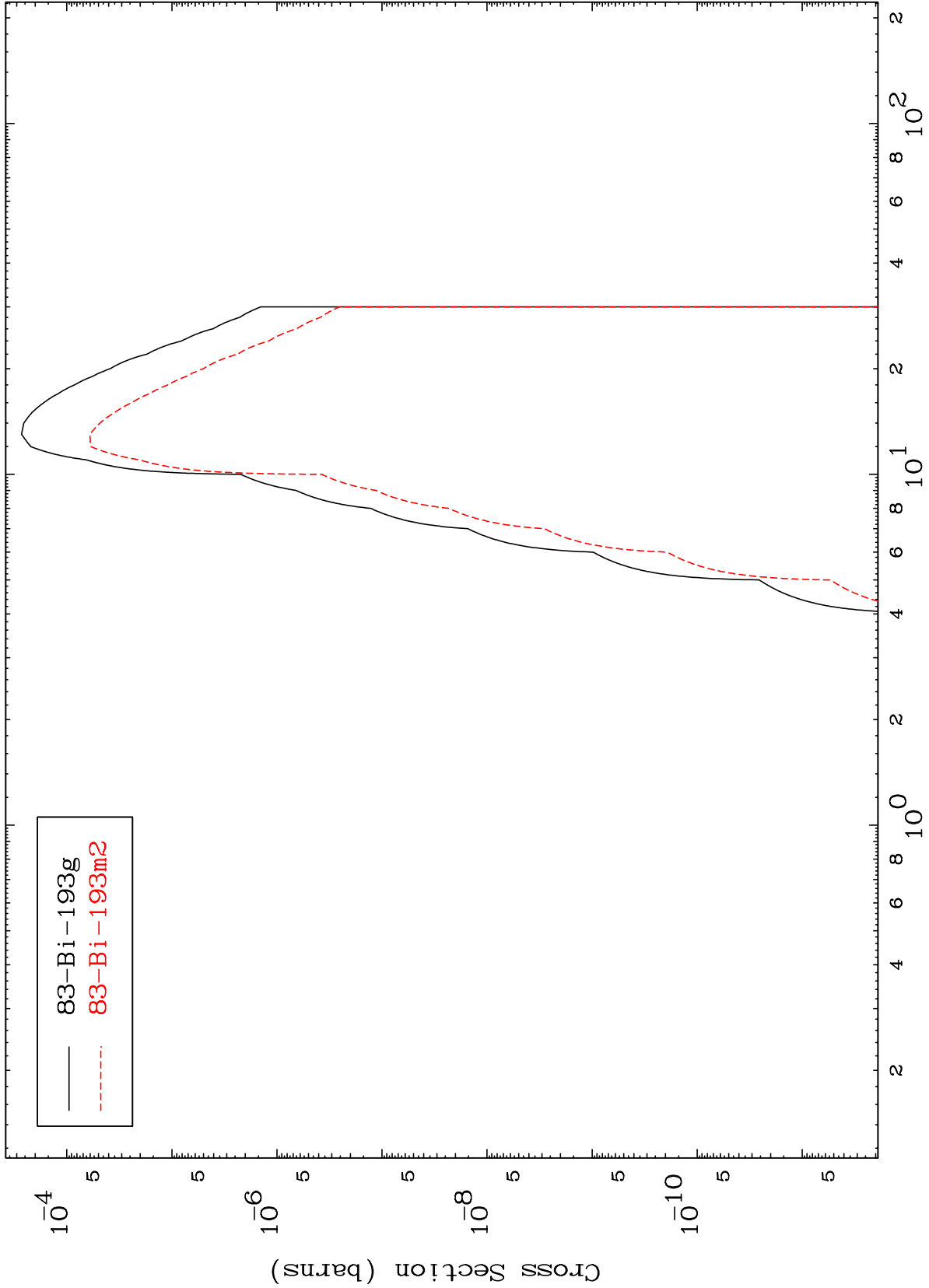


80-Hg-187g
80-Hg-187m1

MAT 8186

82-Pb-191

Radionuclide Production Cross Section
(n, γ)



— 83-Bi-193g
- - - 83-Bi-193m2

82-Pb-191

Incident Energy (MeV)

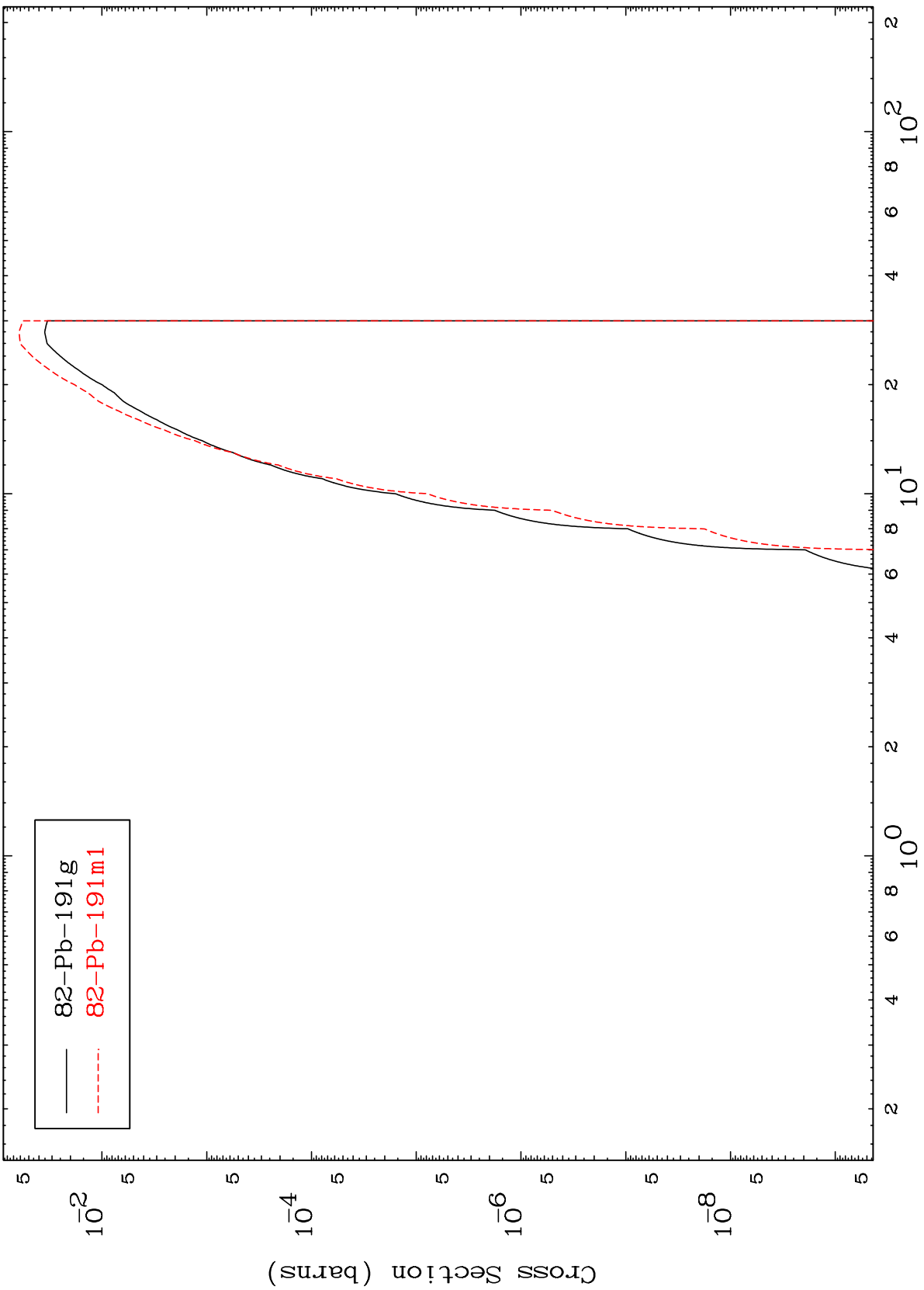
28

MAT 8186

(n,d)

82-Pb-191

Radionuclide Production Cross Section



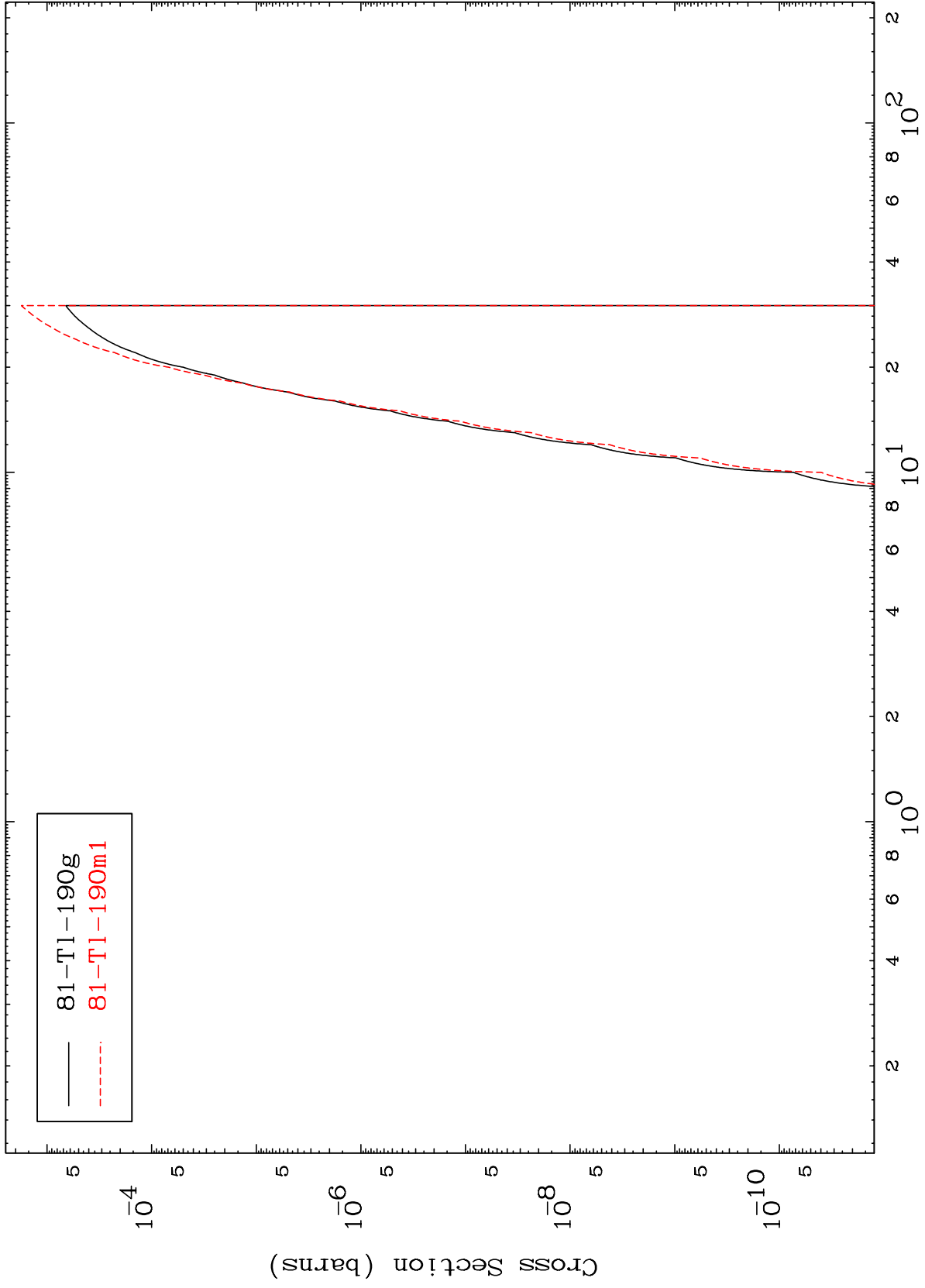
82-Pb-191 g
82-Pb-191 m1

MAT 8186

(n,He-3)

82-Pb-191

Radionuclide Production Cross Section



30

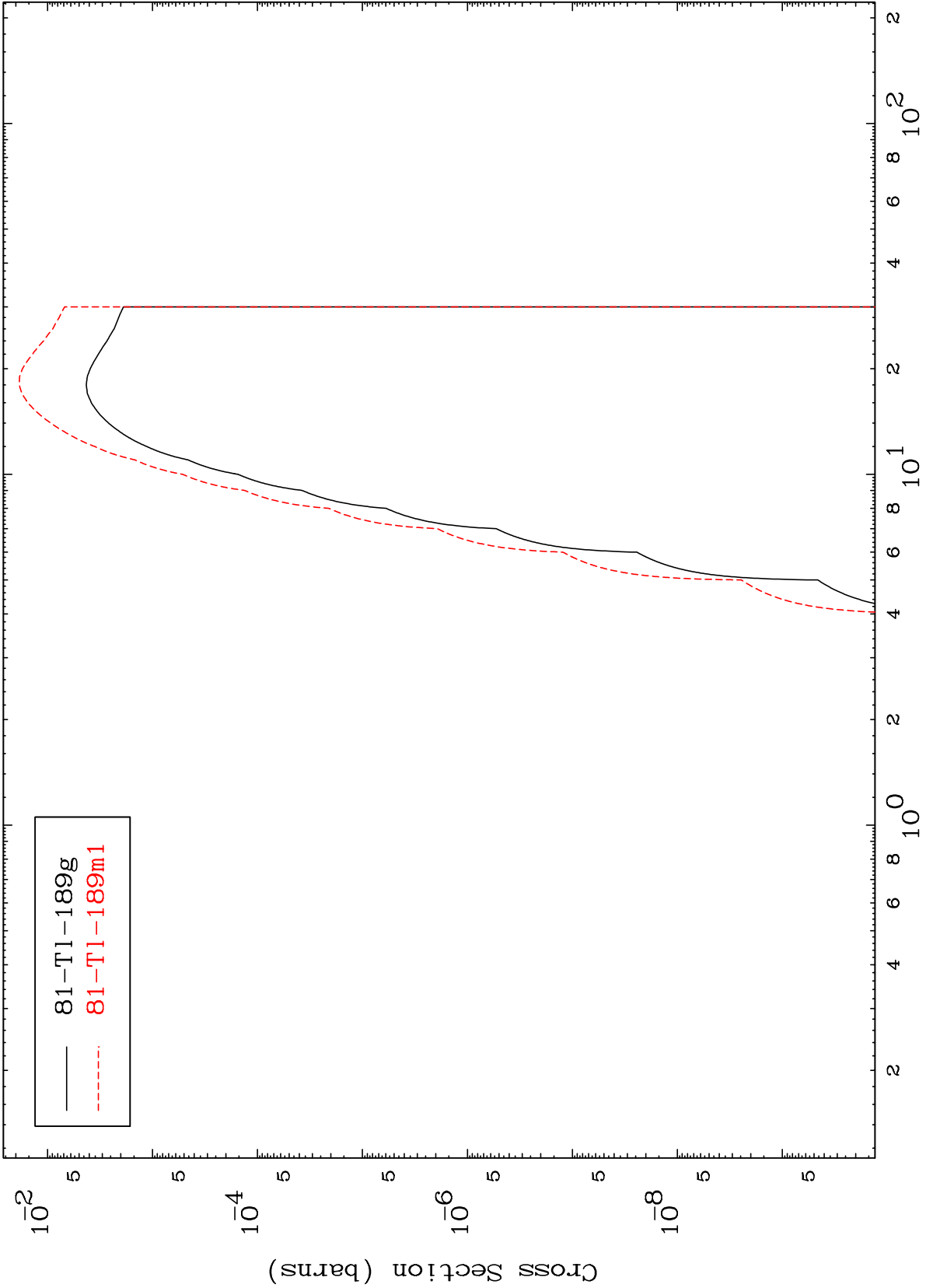
Incident Energy (MeV)

82-Pb-191

MAT 8186

82-Pb-191

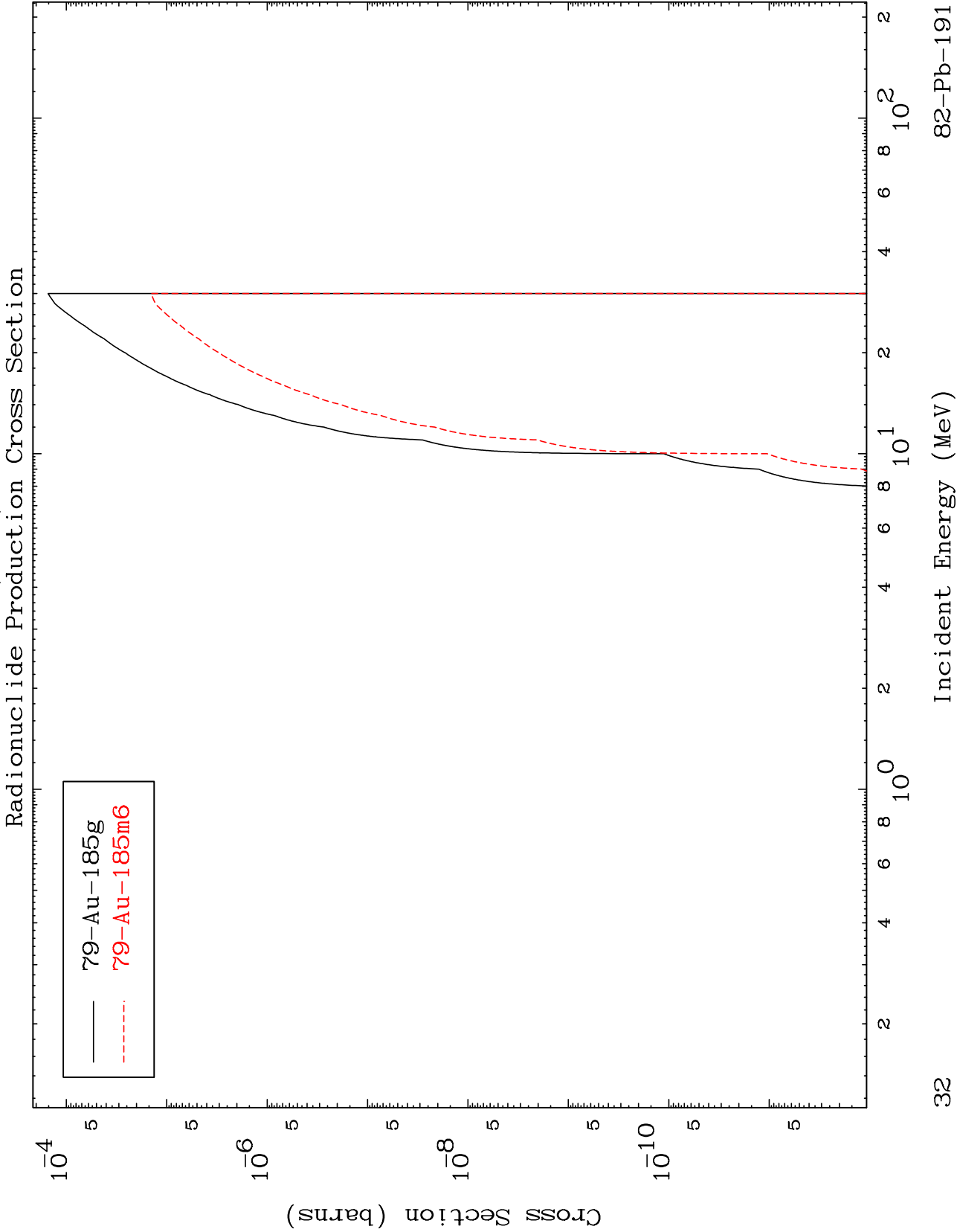
(n, α)
Radionuclide Production Cross Section



MAT 8186

(n,2α)

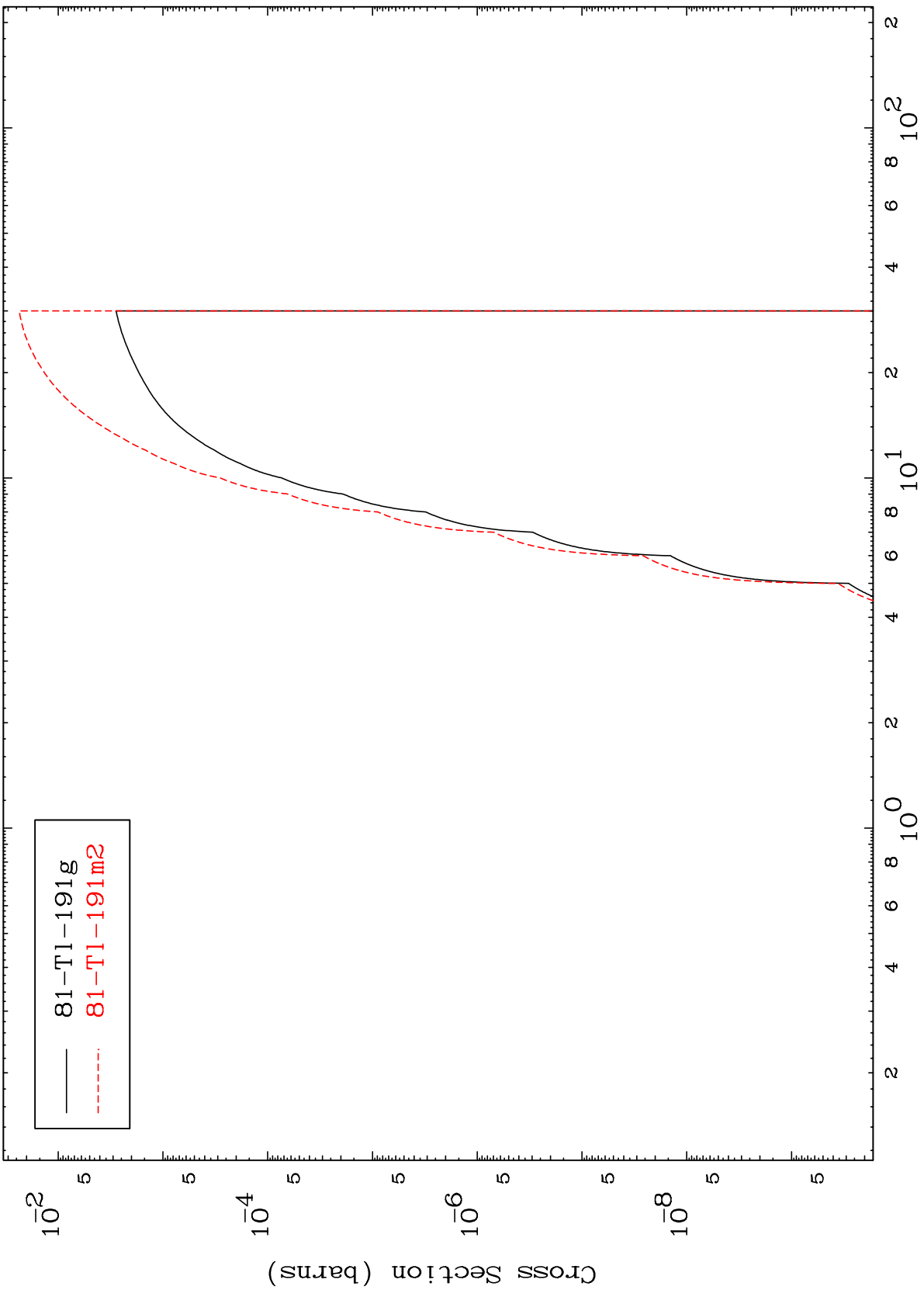
82-Pb-191



MAT 8186

82-Pb-191

(n,2p)
Radionuclide Production Cross Section



82-Pb-191

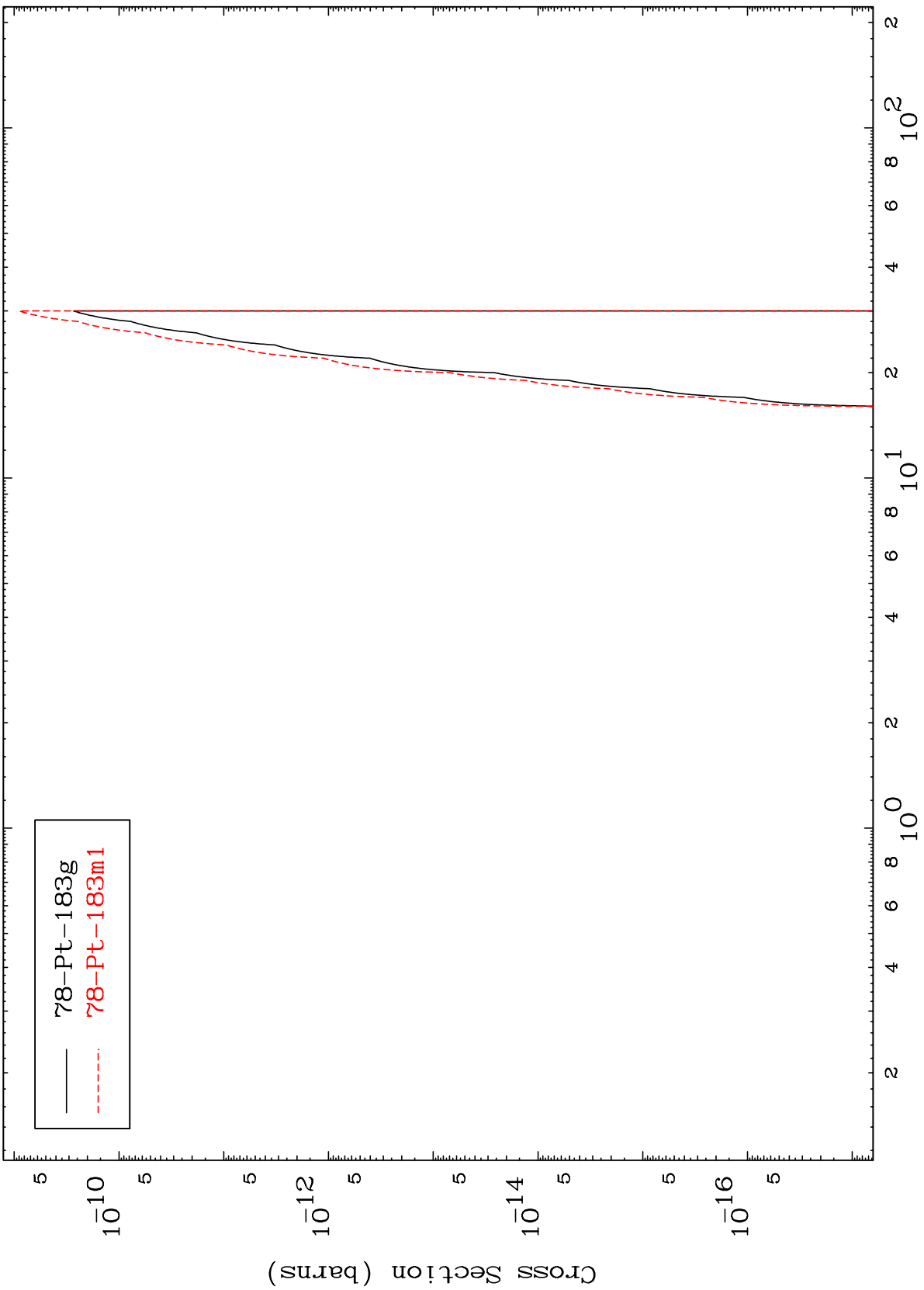
Incident Energy (MeV)

MAT 8186

(n,d) 2 α

82-Pb-191

Radionuclide Production Cross Section



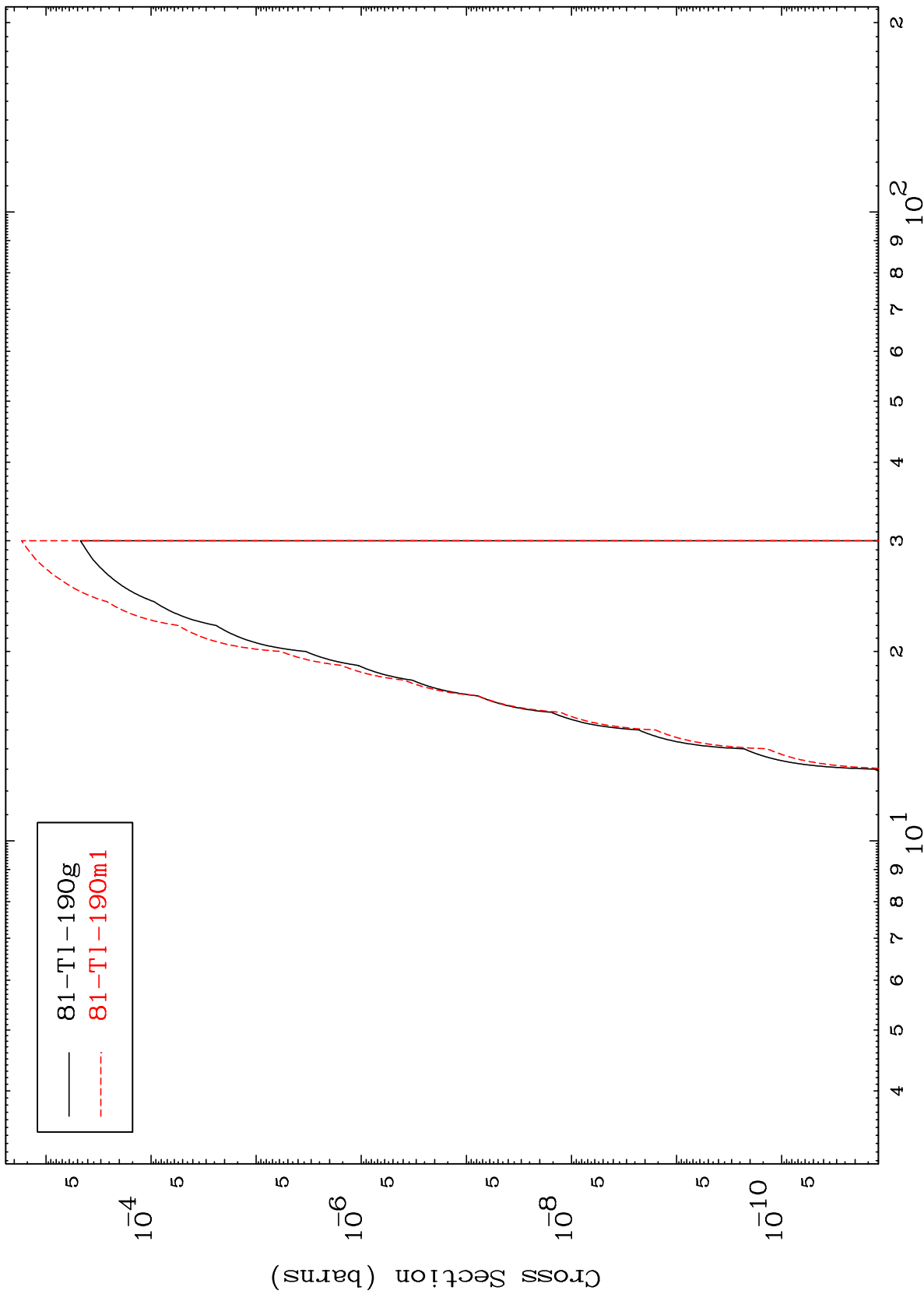
78-Pt-183g
78-Pt-183m1

MAT 8186

(n,p) d

82-Pb-191

Radionuclide Production Cross Section



35

Incident Energy (MeV)

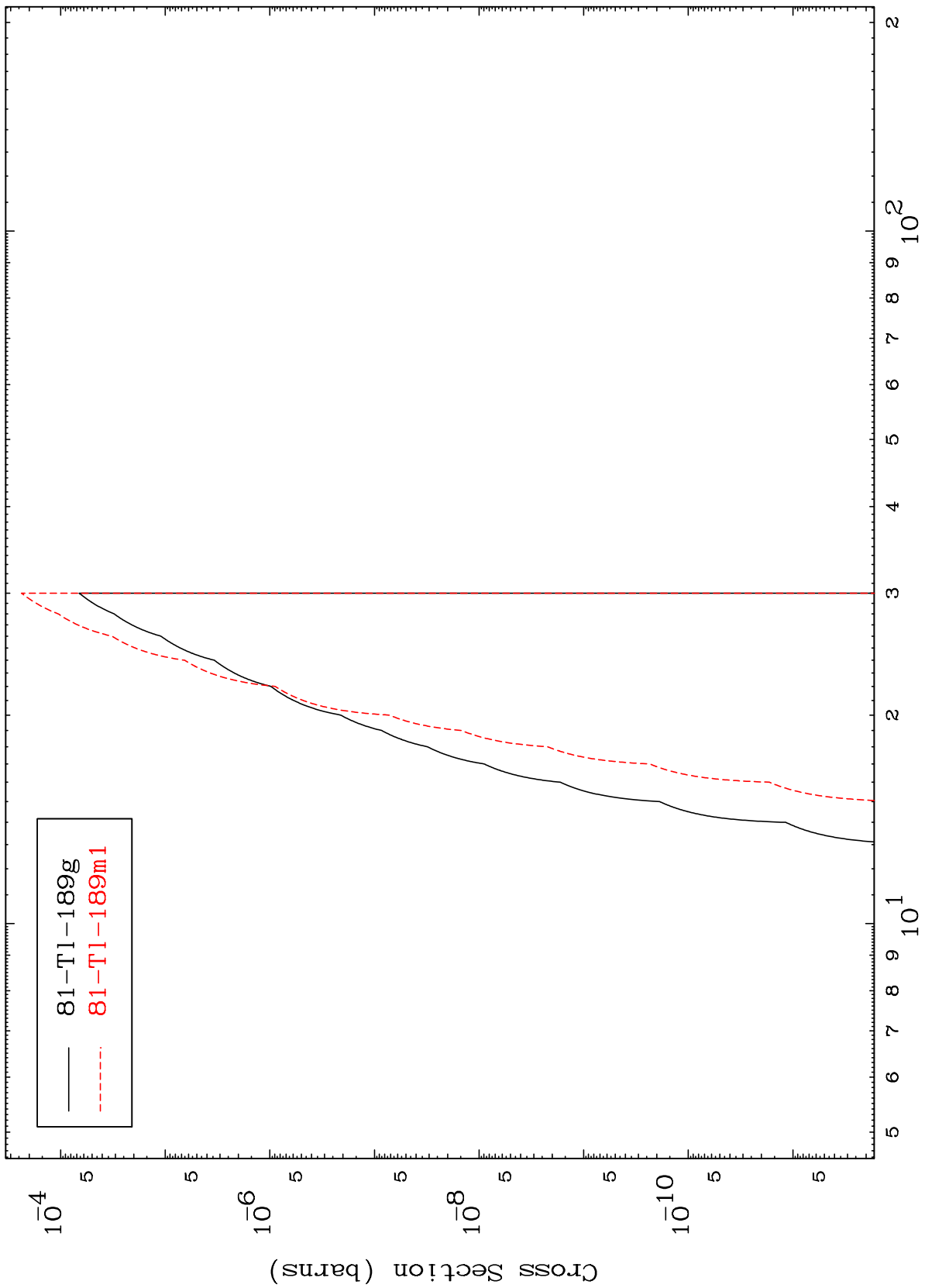
82-Pb-191

MAT 8186

(n,p) t

82-Pb-191

Radionuclide Production Cross Section



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

36

Incident Energy (MeV)

82-Pb-191

MAT 8186

(n,d) α

82-Pb-191

