

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

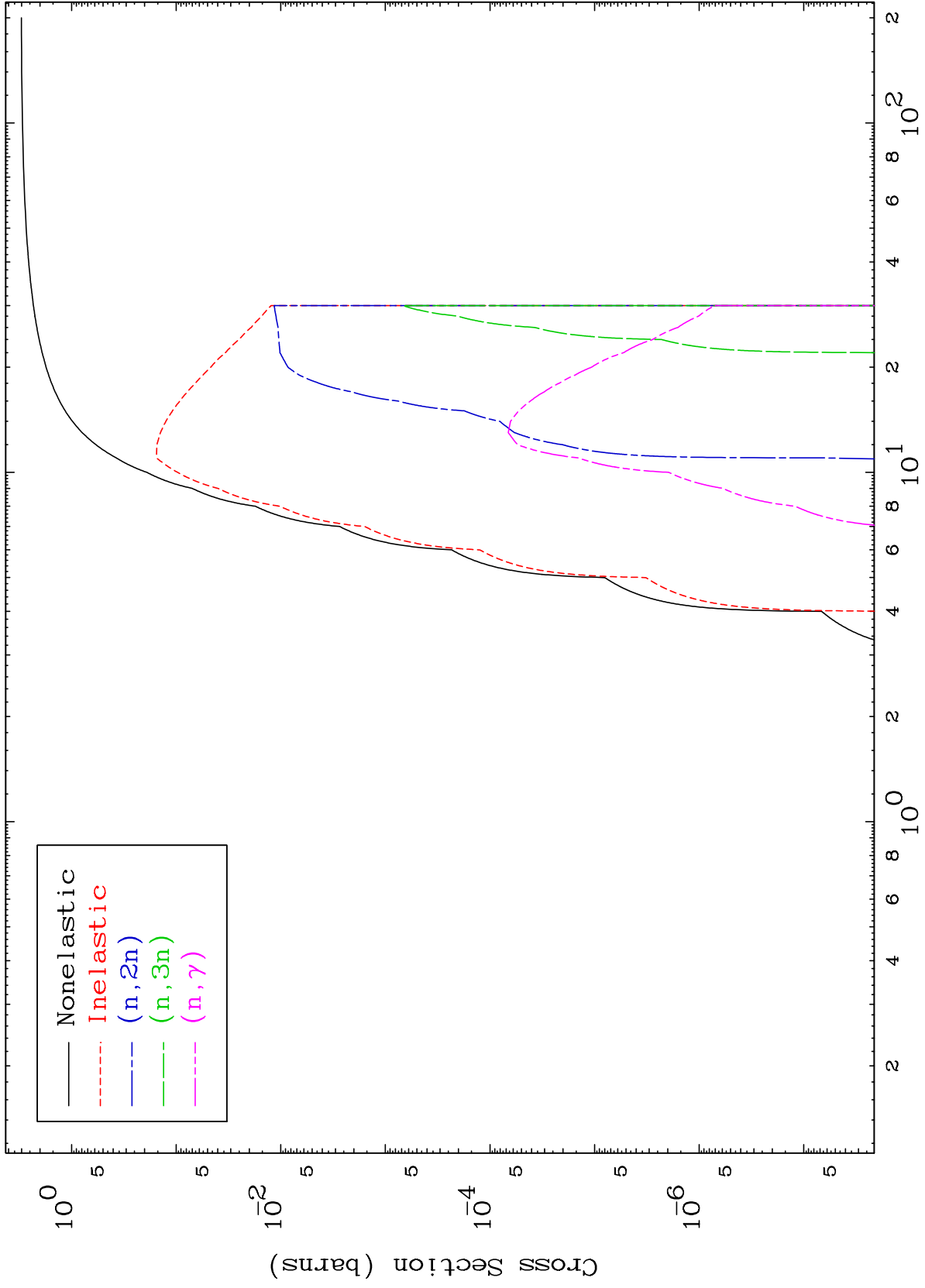
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

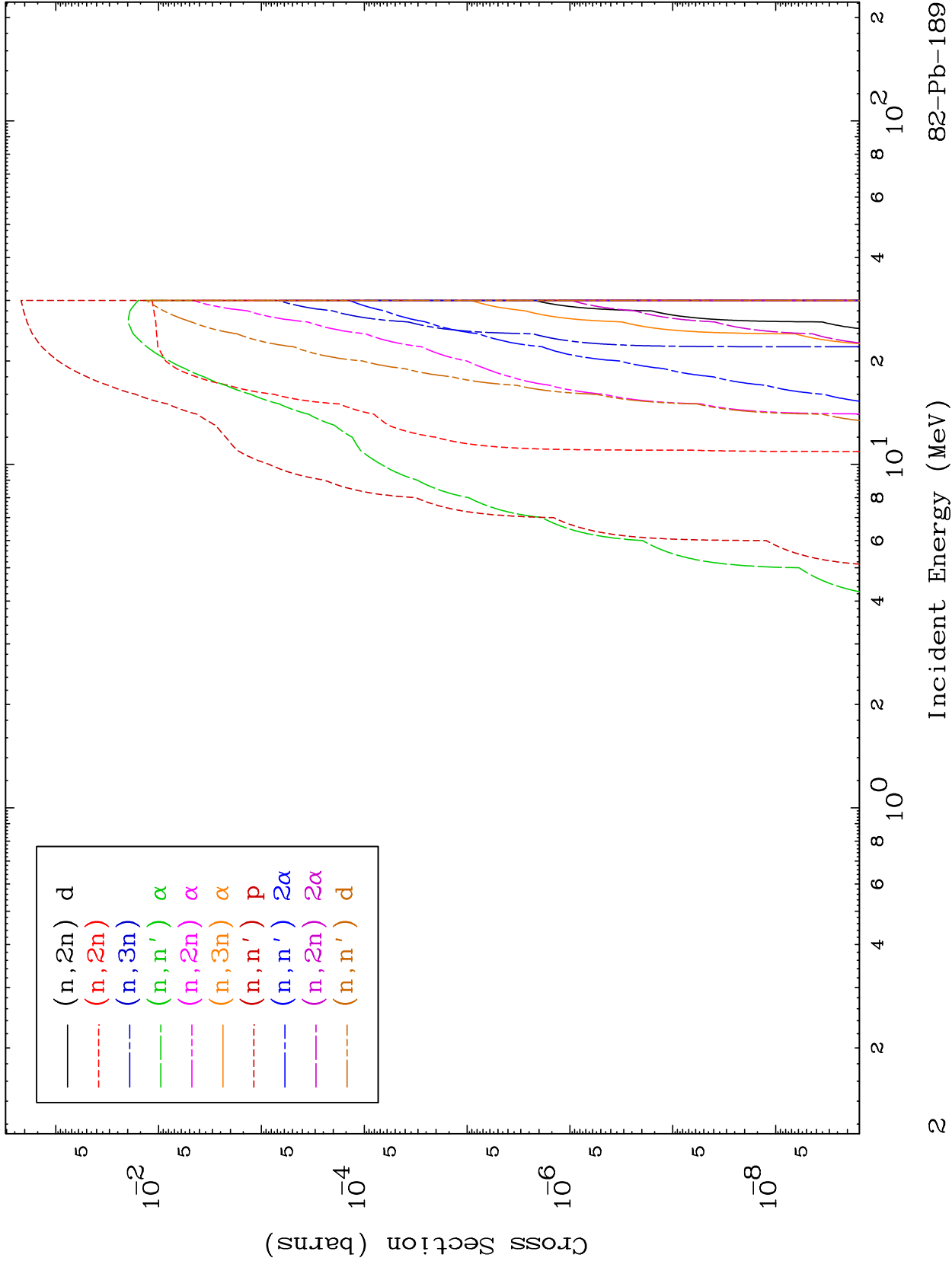
Tele: 925-443-1911

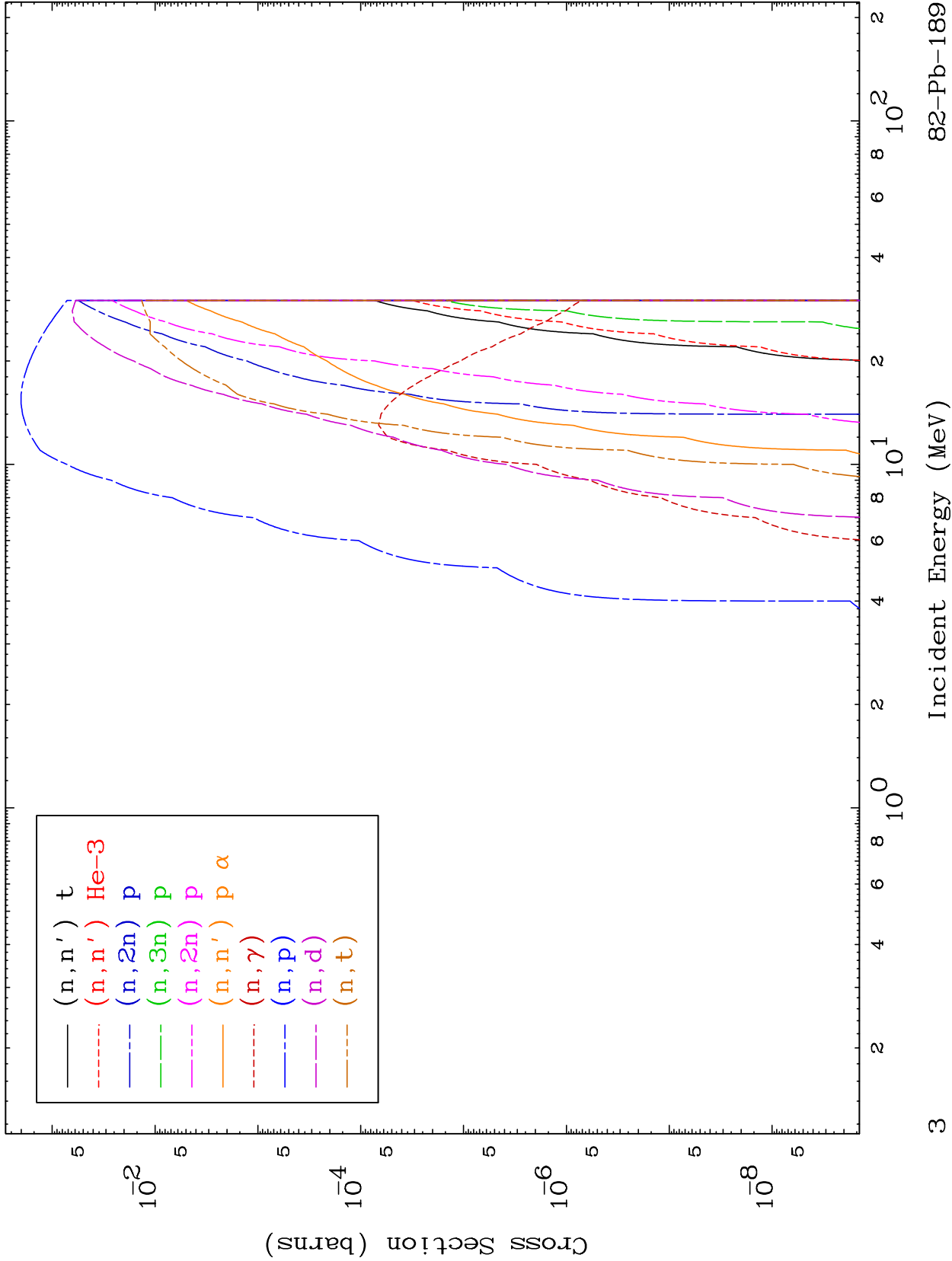
E.Mail: redcullen1@comcast.net

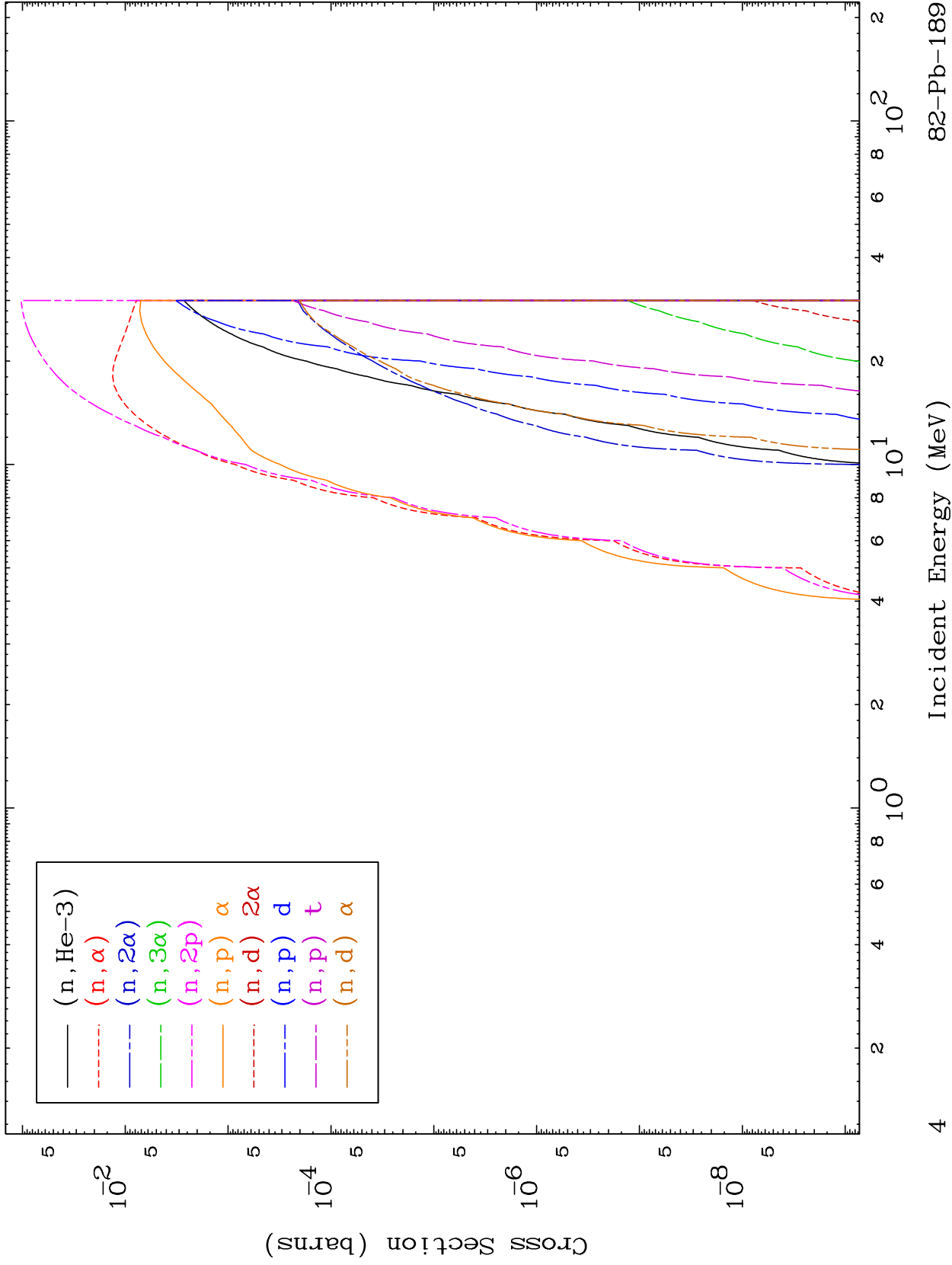
Web: redcullen1.net/HOMEPAGE.NEW

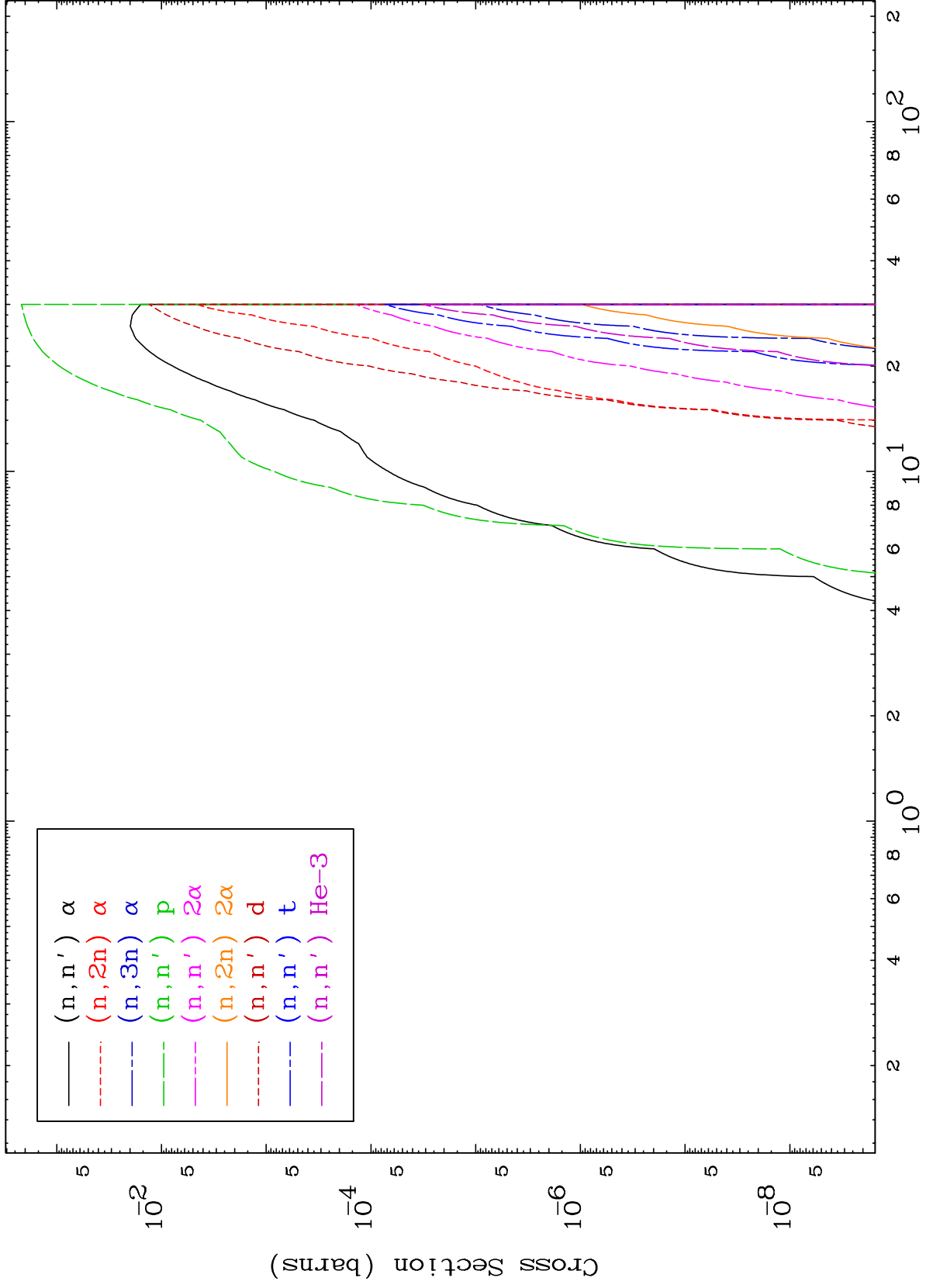
Press Mouse Button to Start

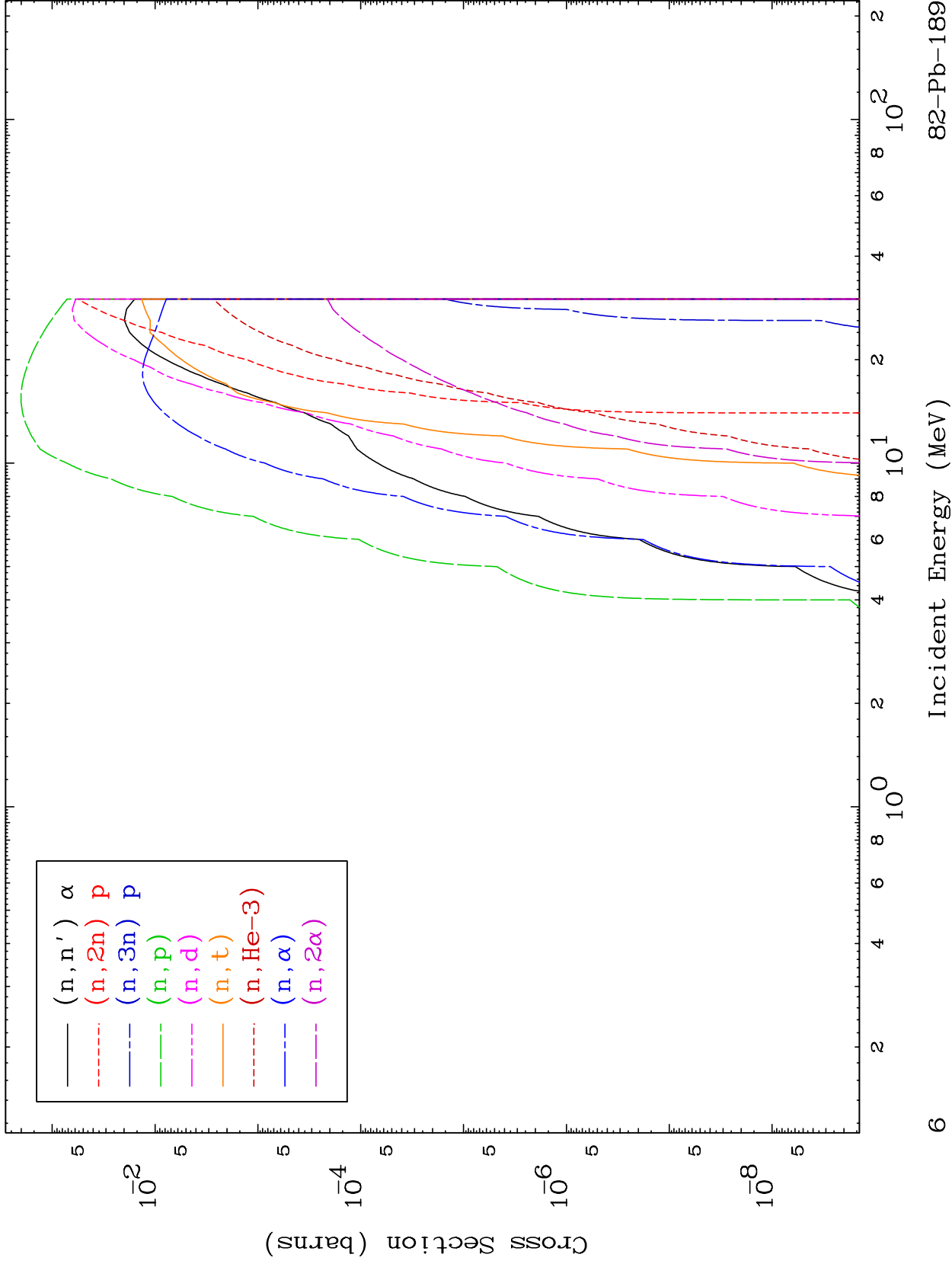


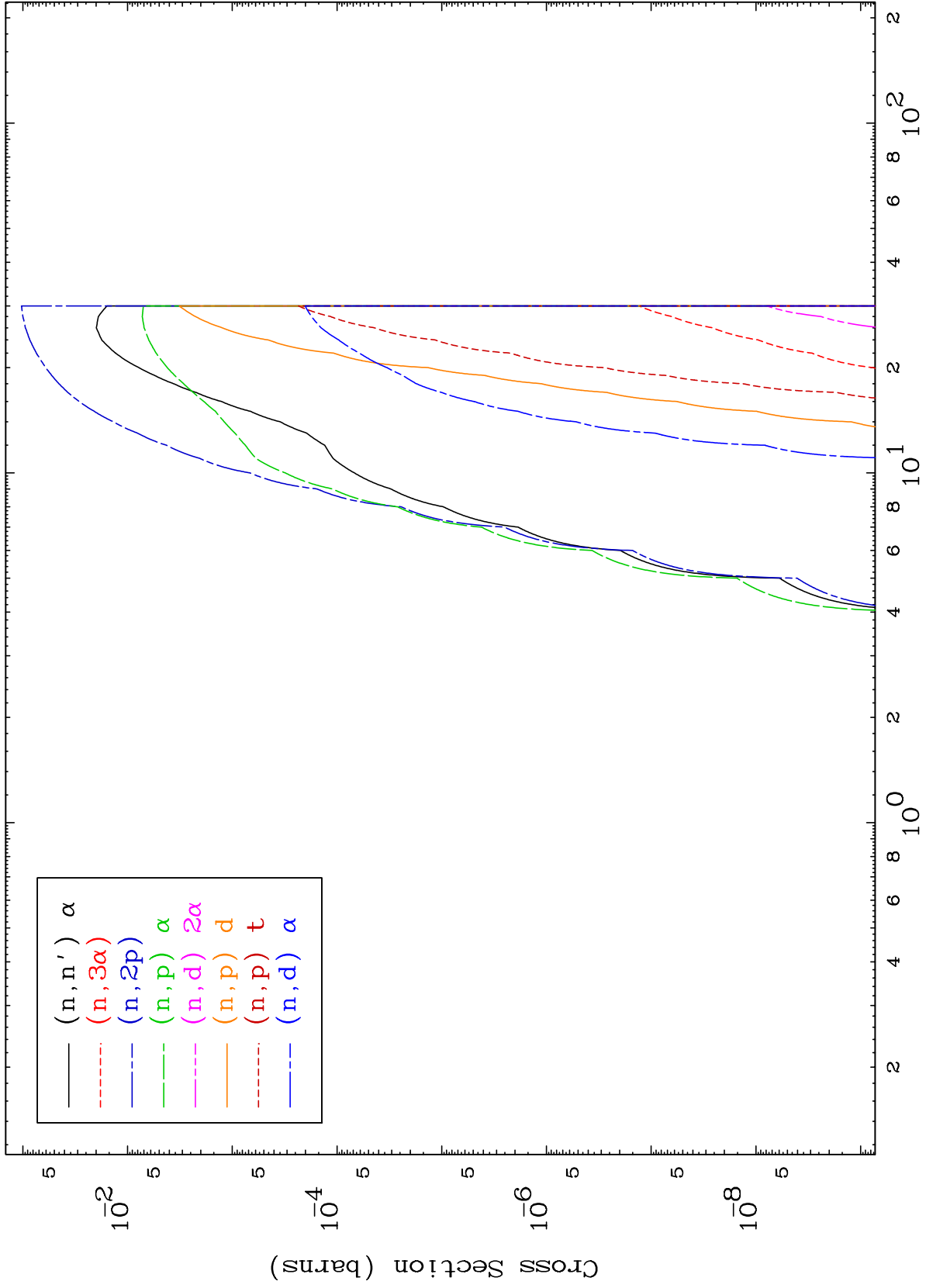










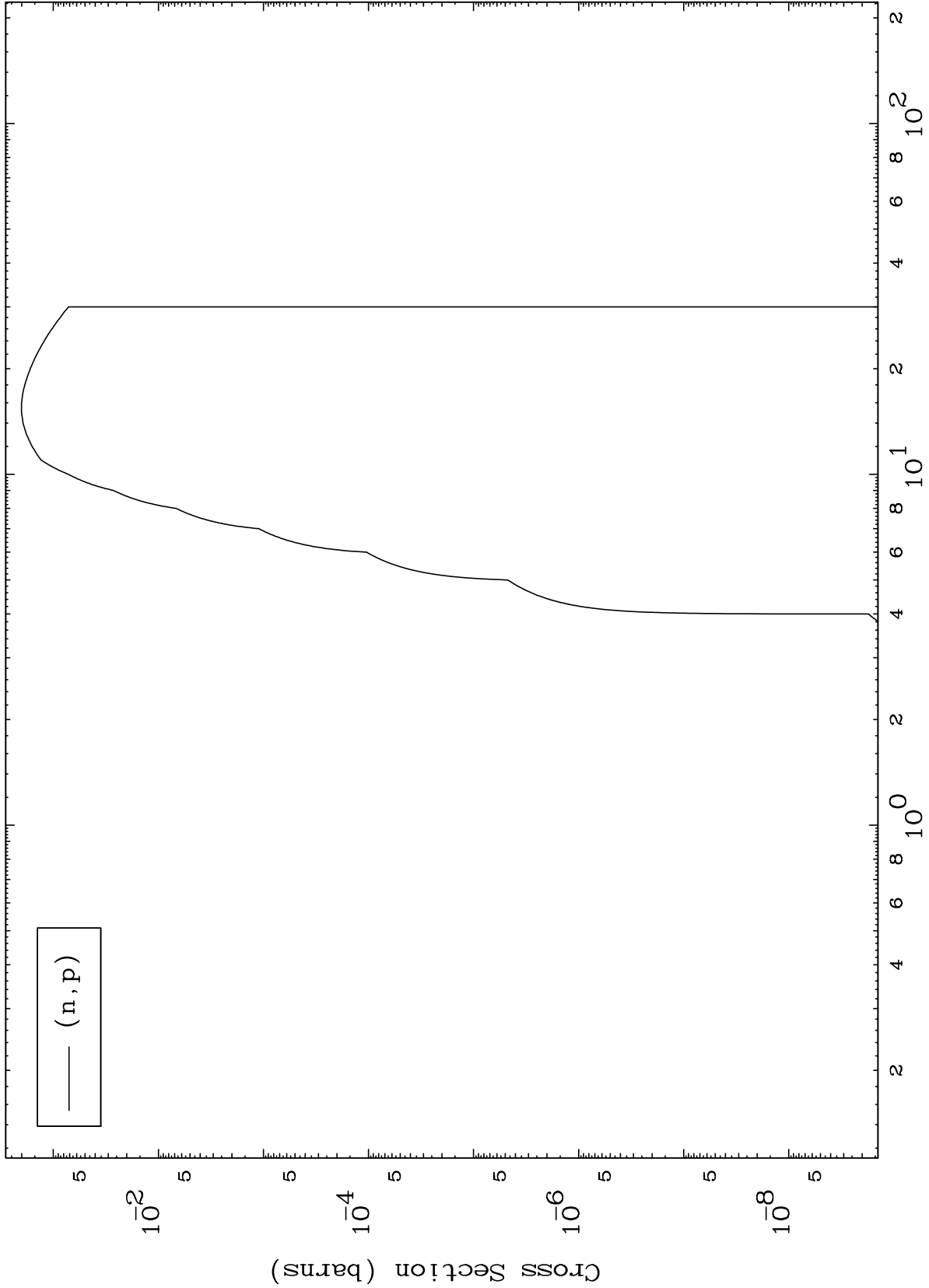


MAT 8180

(d,p) Levels

82-Pb-189

0 Kelvin Cross Sections

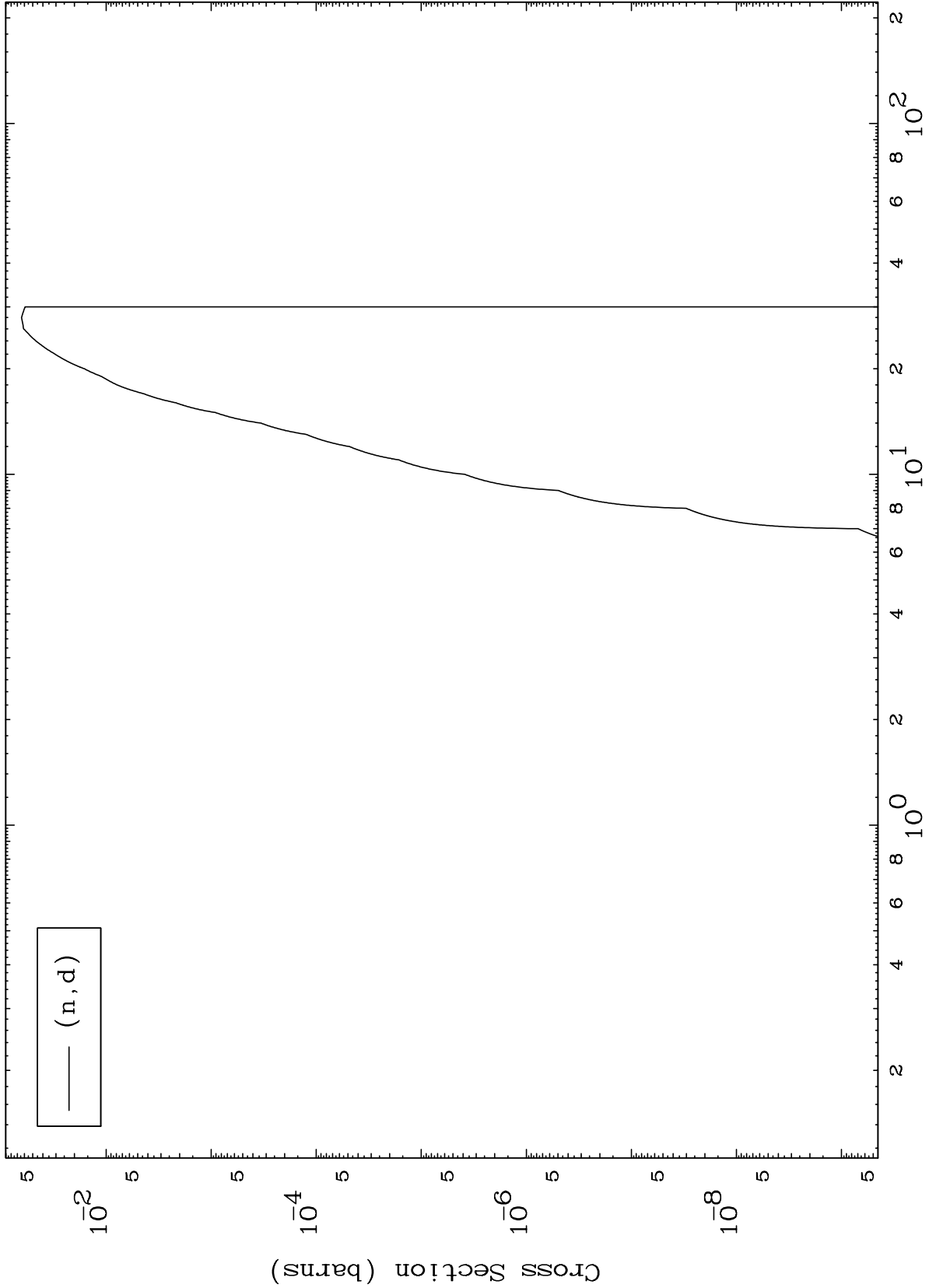


MAT 8180

(d,d) Levels

82-Pb-189

0 Kelvin Cross Sections

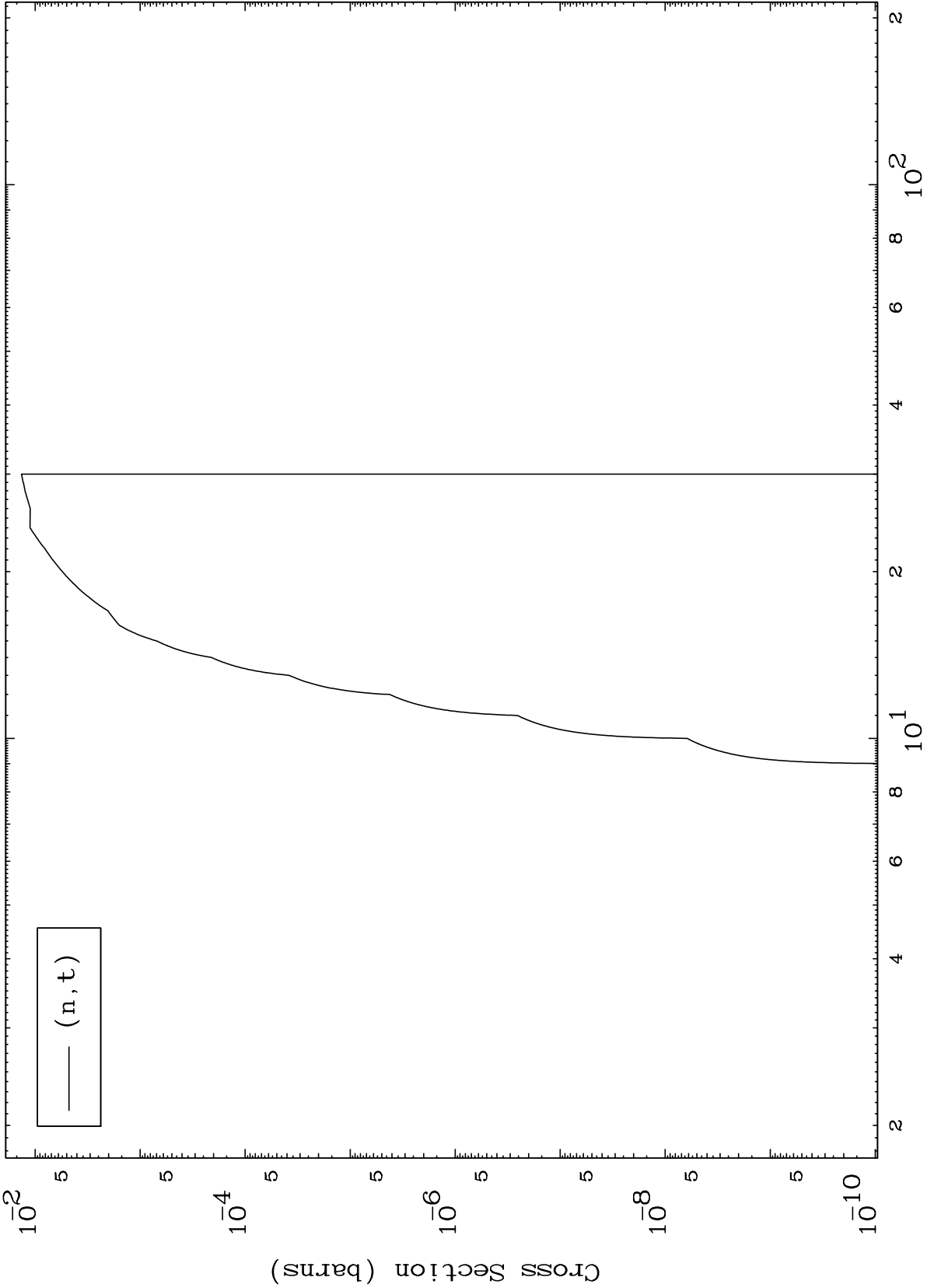


MAT 8180

(d, t) Levels

82-Pb-189

0 Kelvin Cross Sections



10

Incident Energy (MeV)

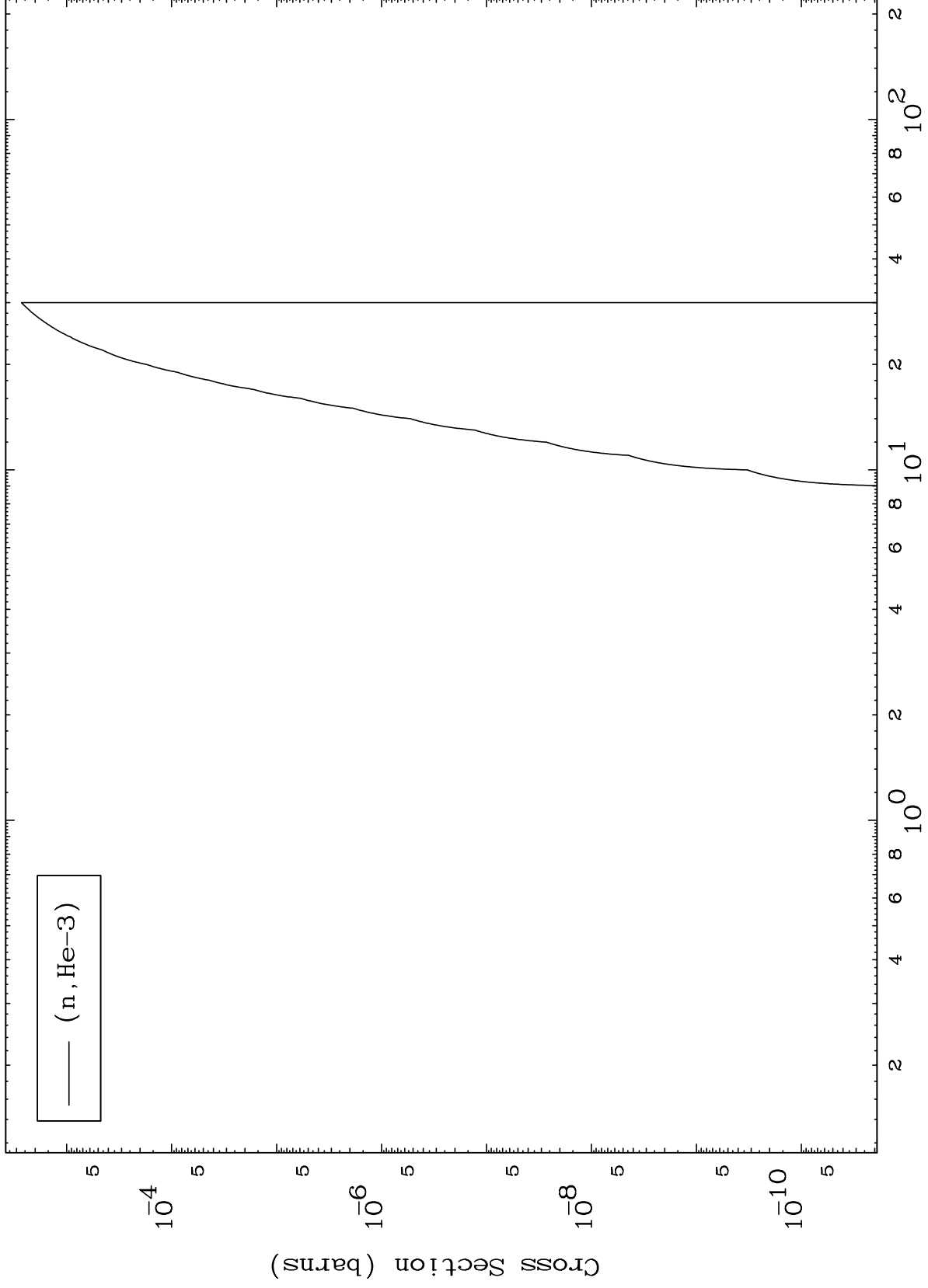
82-Pb-189

MAT 8180

(d,He3) Levels

82-Pb-189

0 Kelvin Cross Sections



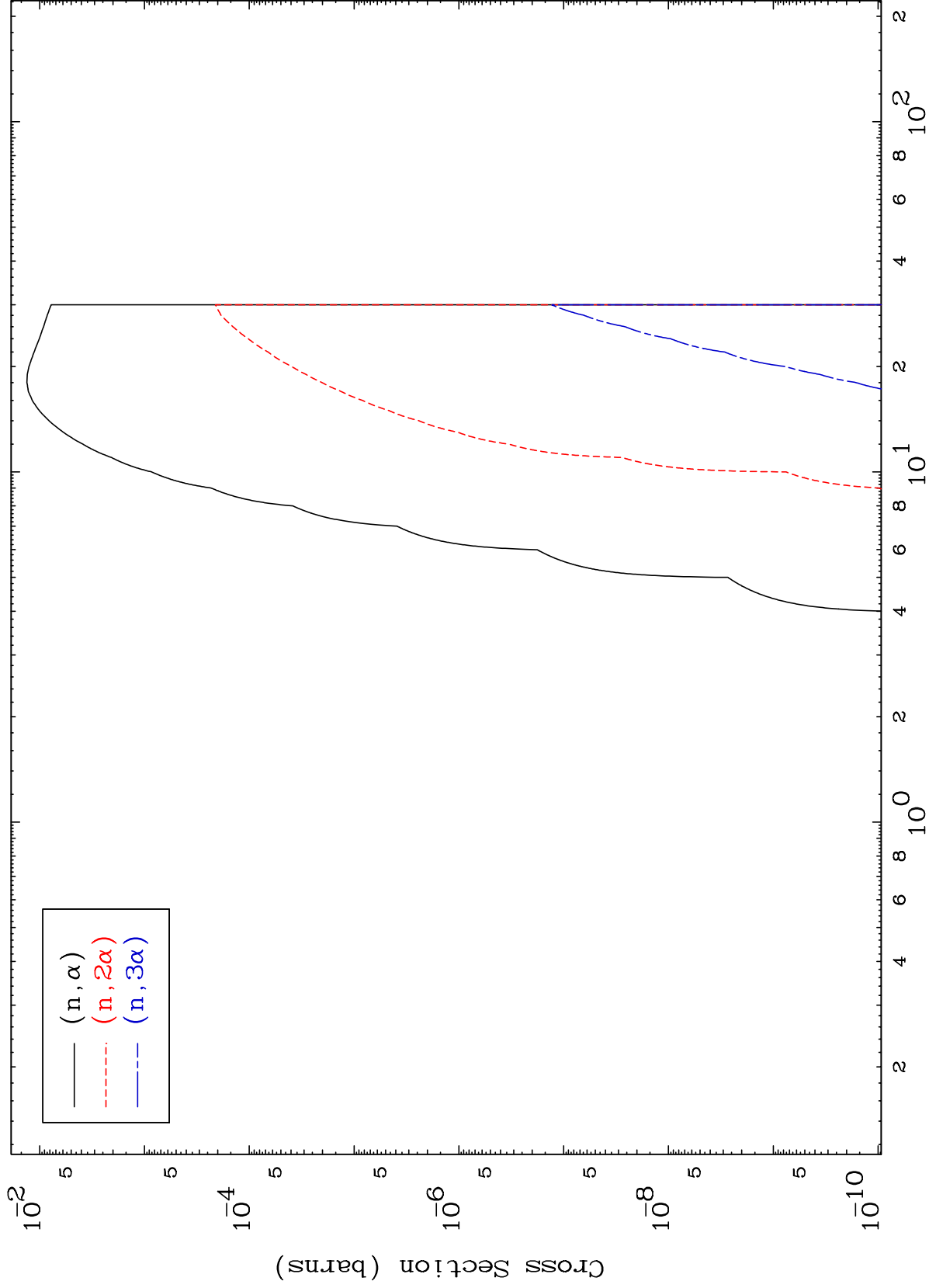
(n, He-3)

MAT 8180

(d, α) Levels

82-Pb-189

0 Kelvin Cross Sections



12

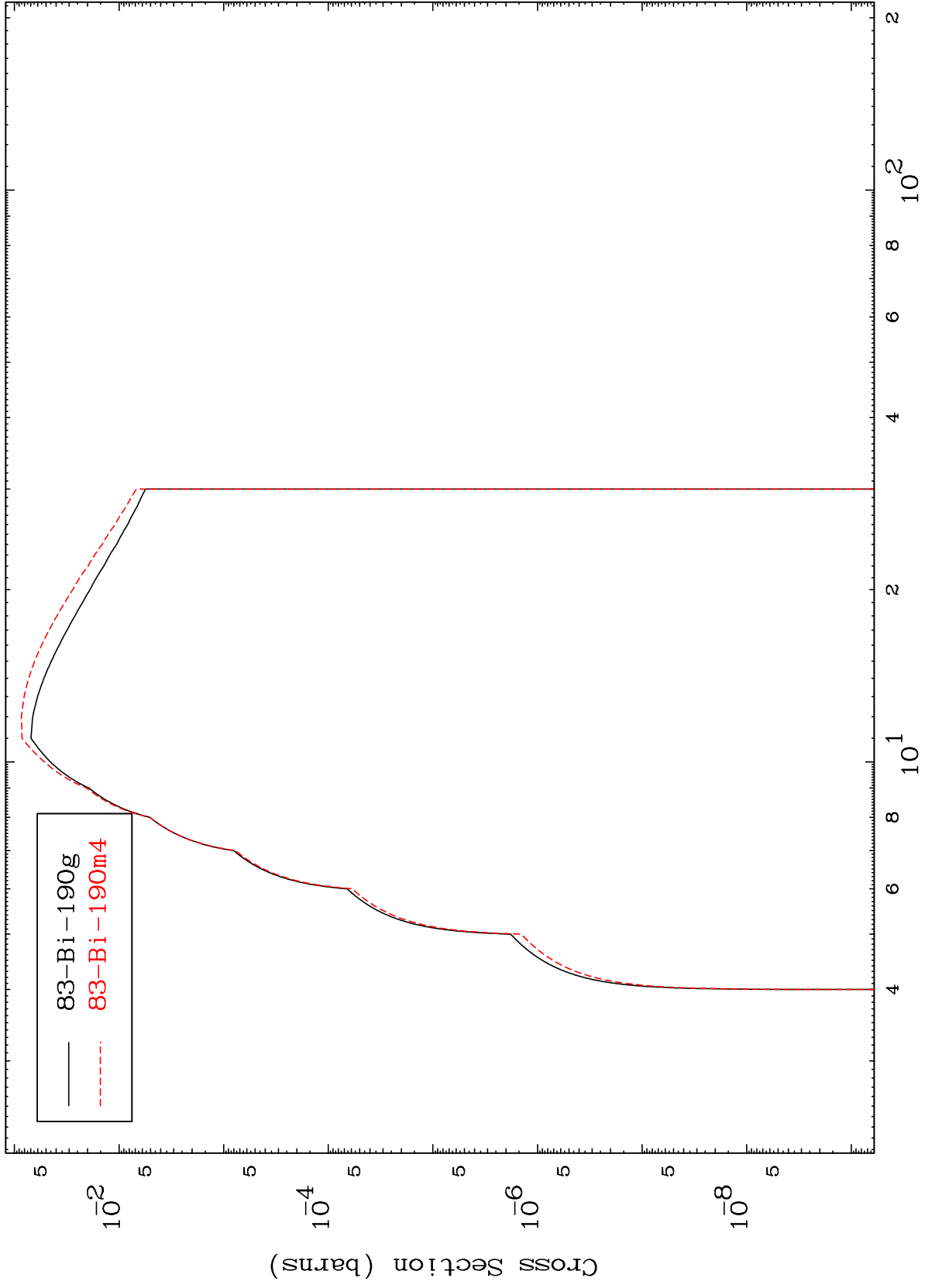
Incident Energy (MeV)

82-Pb-189

MAT 8180

82-Pb-189

Inelastic
Radionuclide Production Cross Section



82-Pb-189

Incident Energy (MeV)

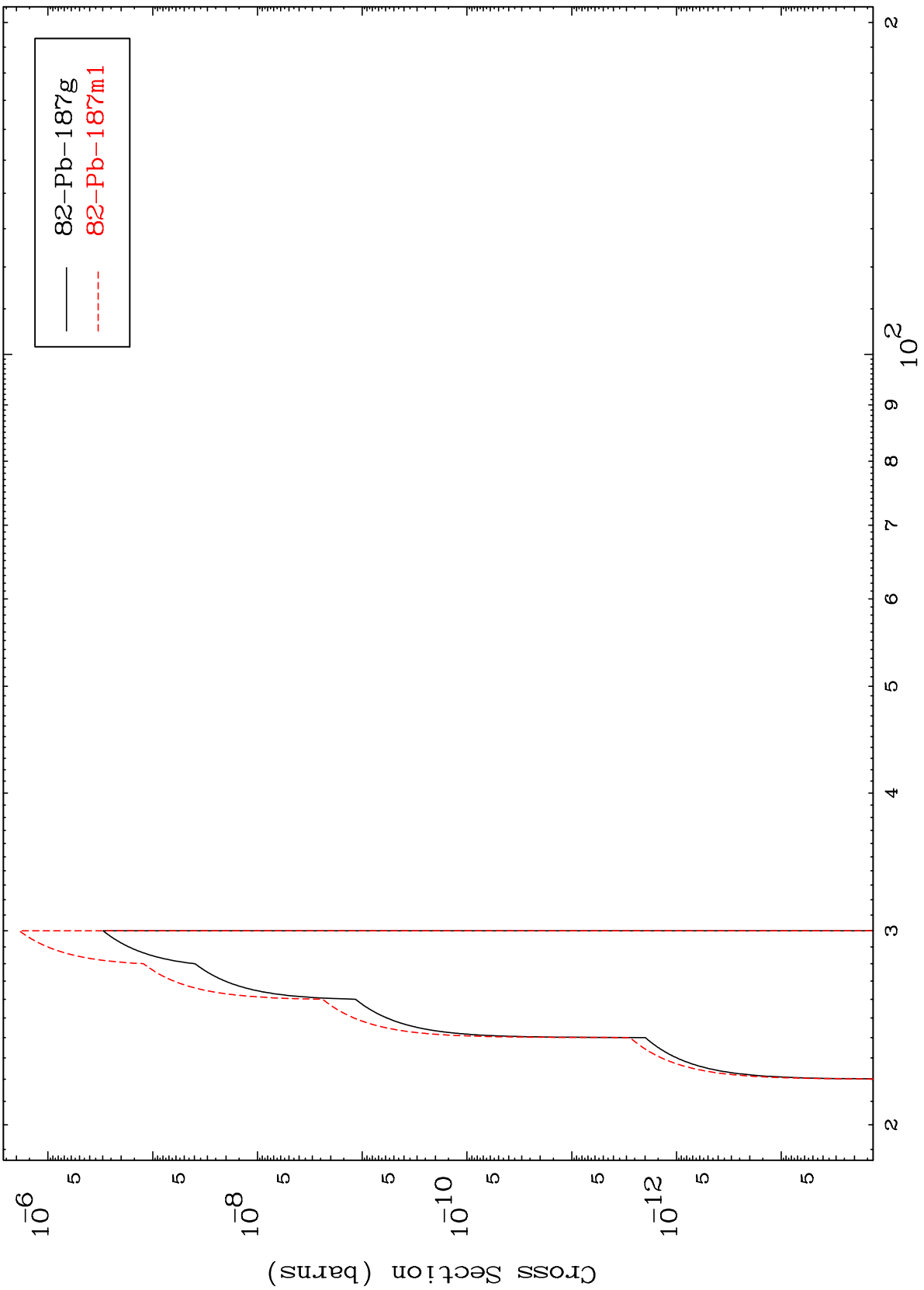
13

MAT 8180

(n,2n) d

82-Pb-189

Radionuclide Production Cross Section



14

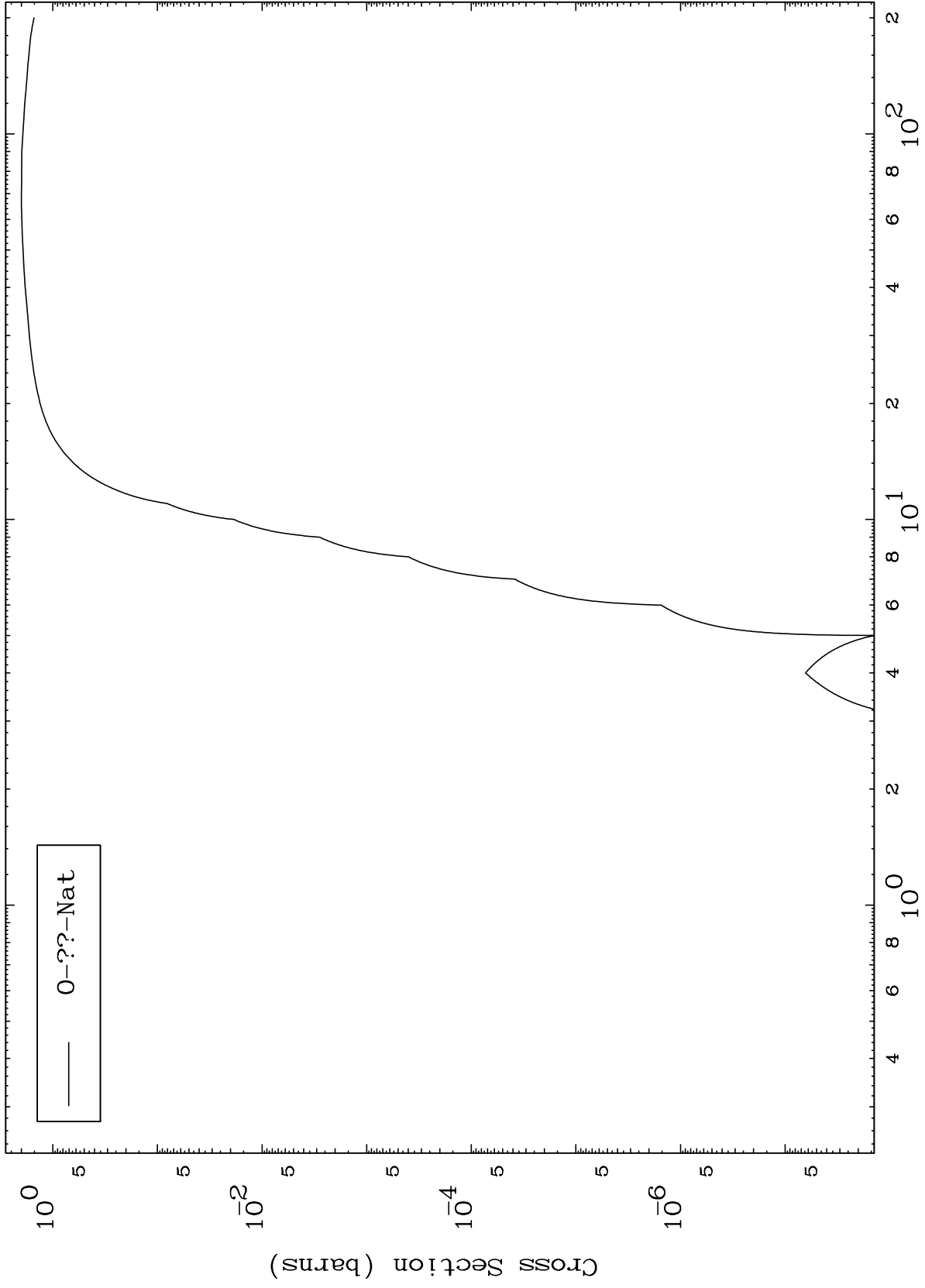
Incident Energy (MeV)

82-Pb-189

MAT 8180

82-Pb-189

Fission
Radionuclide Production Cross Section



15

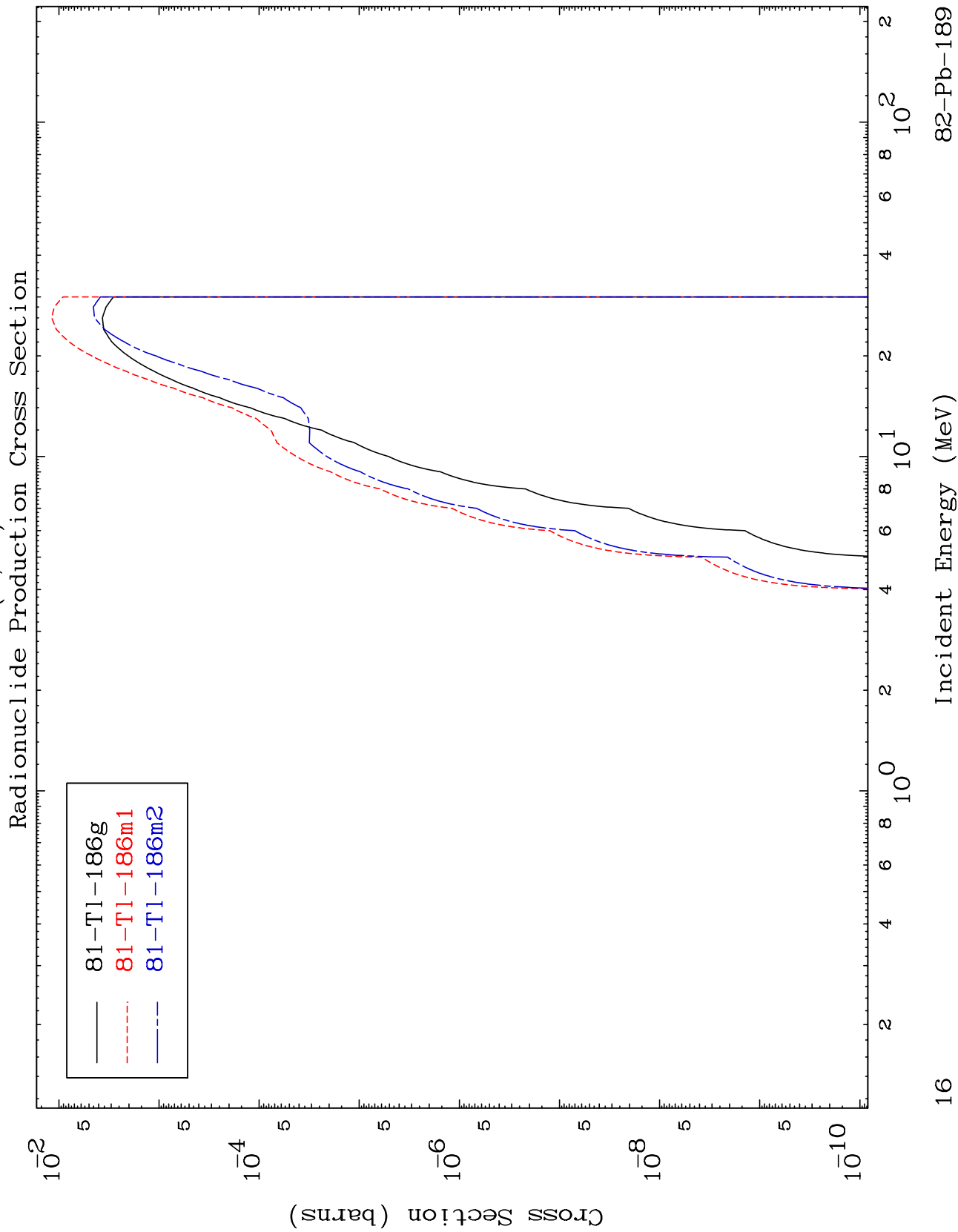
82-Pb-189

Incident Energy (MeV)

MAT 8180

$(n, n') \alpha$

82-Pb-189



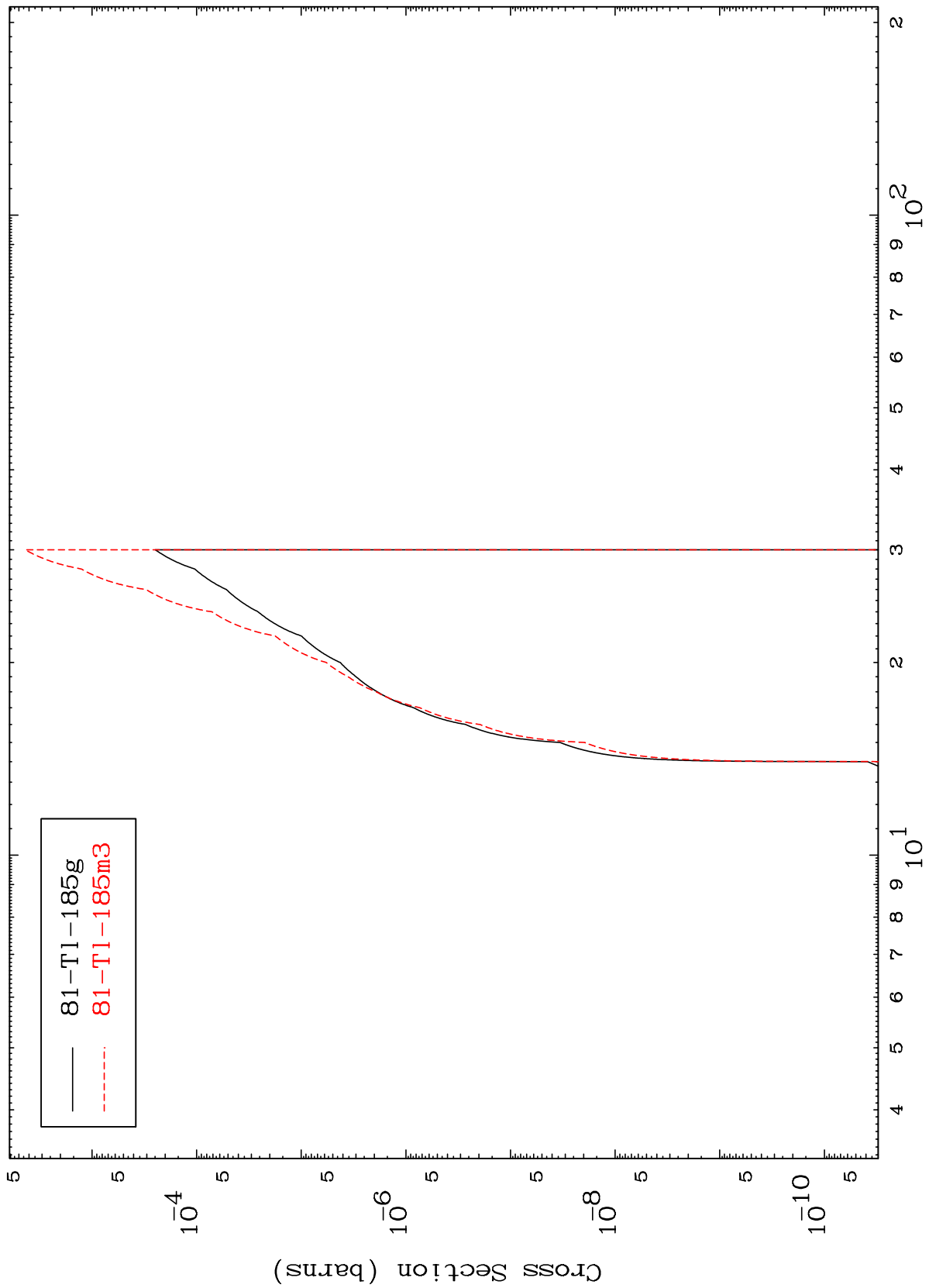
81-Tl-186g
81-Tl-186m1
81-Tl-186m2

MAT 8180

$(n,2n) \alpha$

82-Pb-189

Radionuclide Production Cross Section



81-Tl-185g
81-Tl-185m3

17

Incident Energy (MeV)

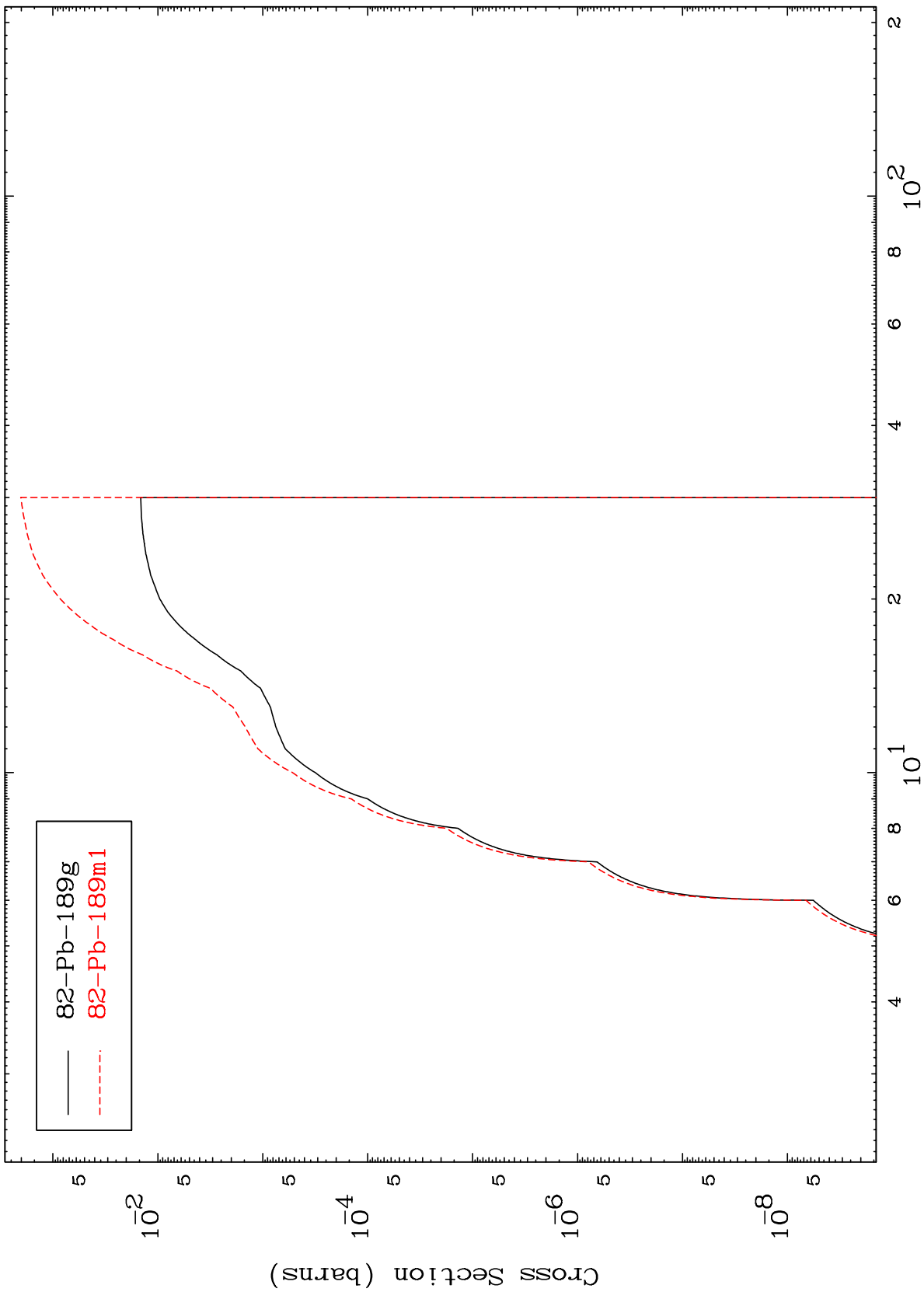
82-Pb-189

MAT 8180

(n,n') p

82-Pb-189

Radionuclide Production Cross Section

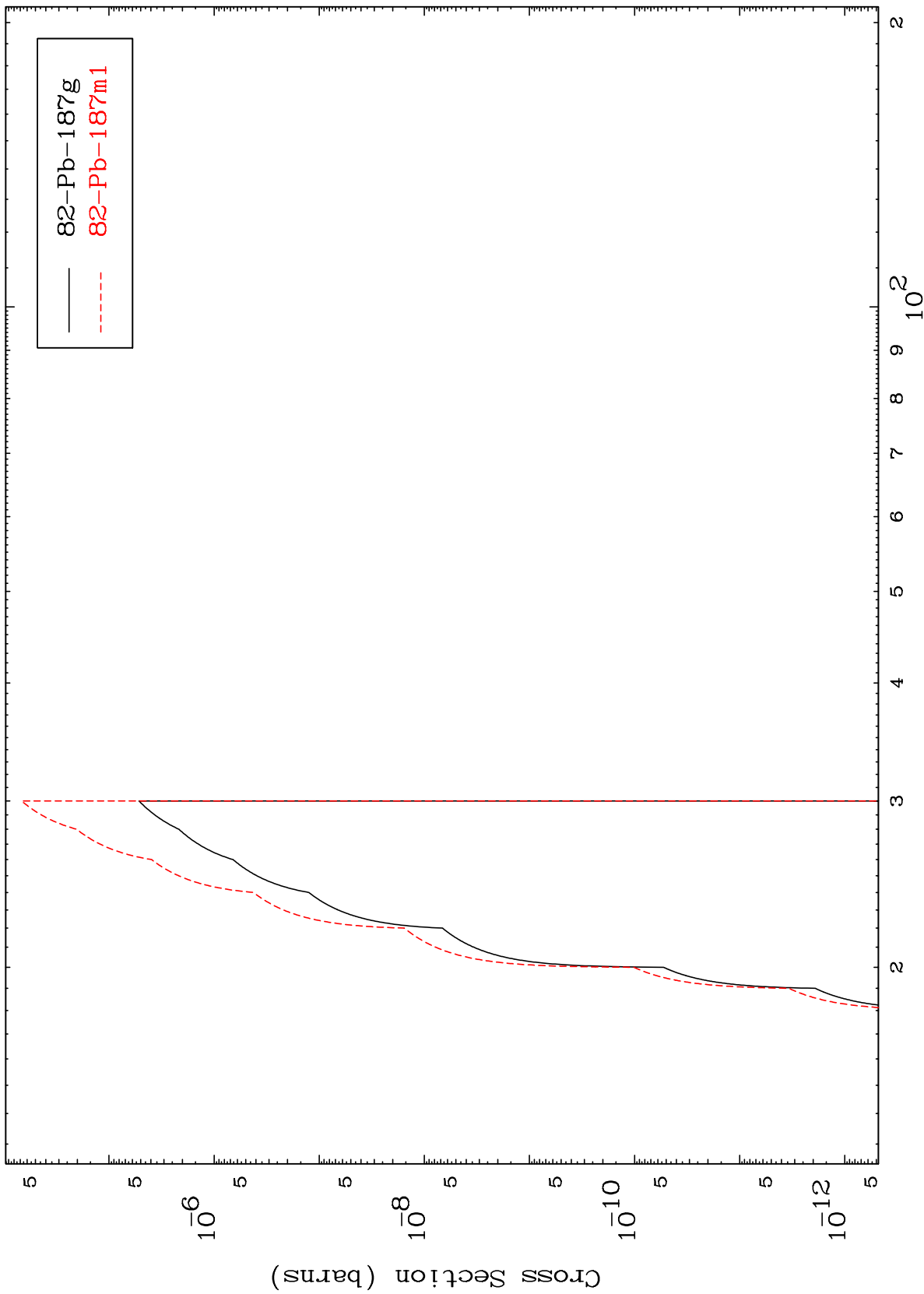


MAT 8180

(n,n') t

82-Pb-189

Radionuclide Production Cross Section



19

Incident Energy (MeV)

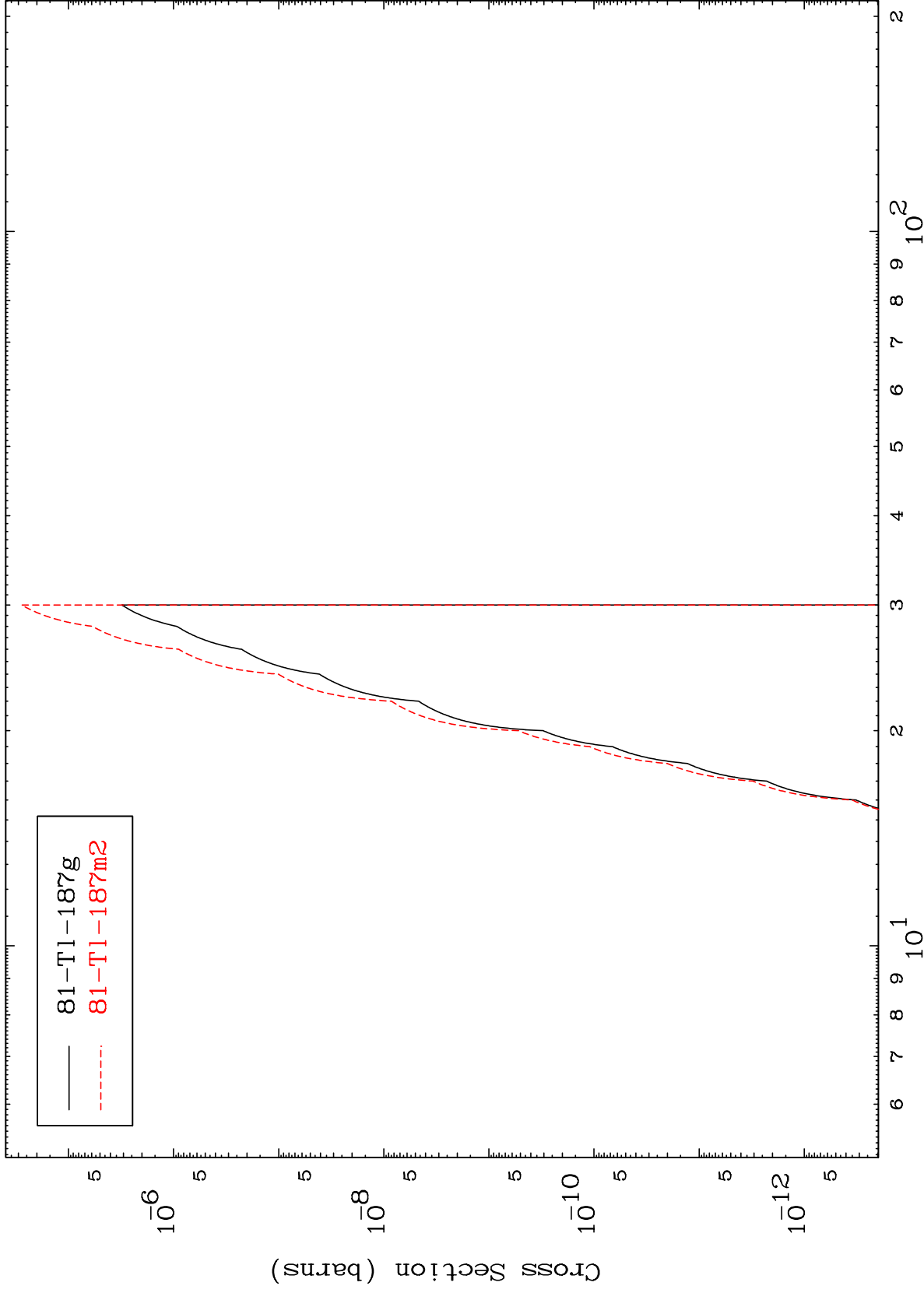
82-Pb-189

MAT 8180

(n,n') He-3

82-Pb-189

Radionuclide Production Cross Section



20

Incident Energy (MeV)

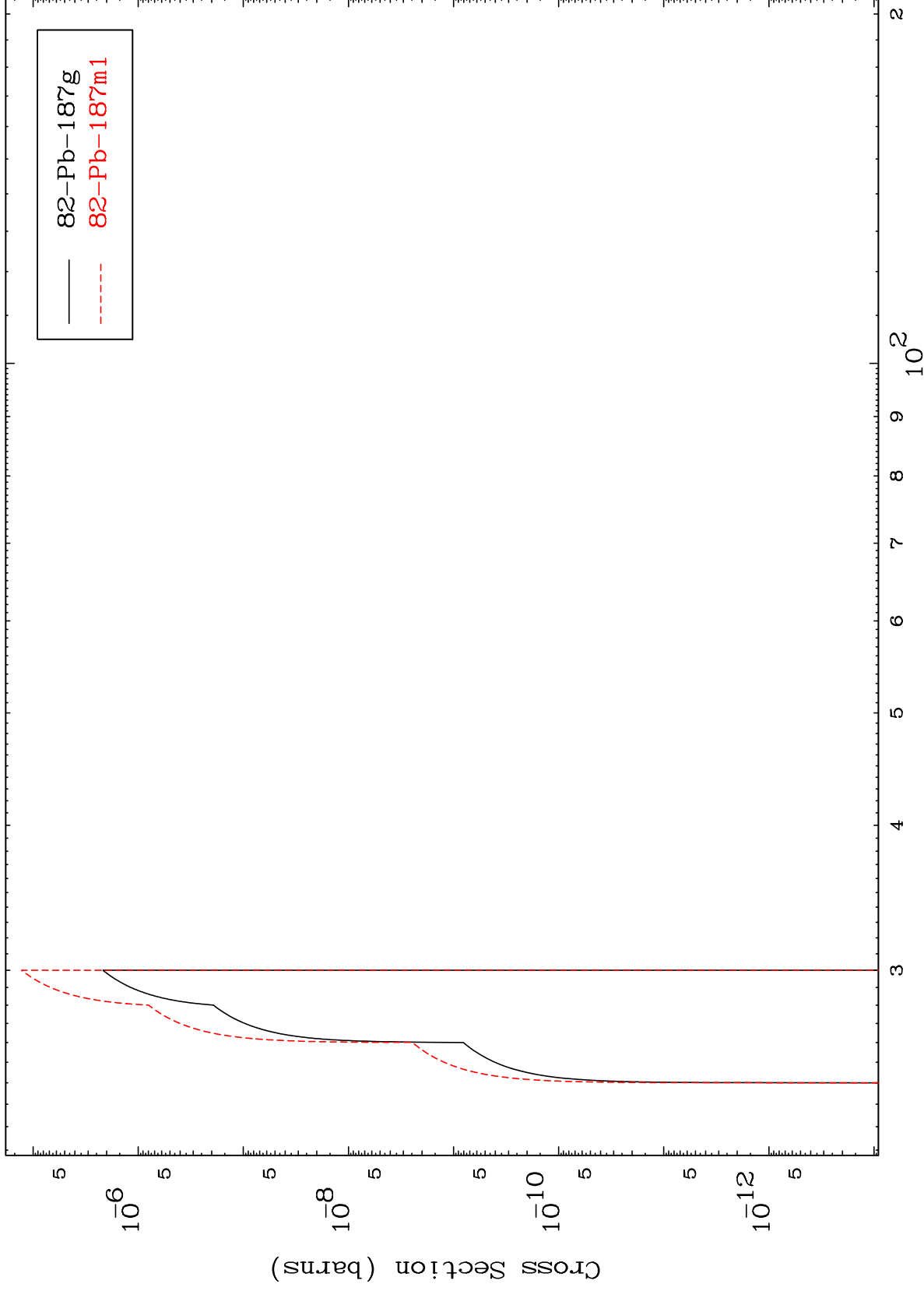
82-Pb-189

MAT 8180

(n,3n) p

82-Pb-189

Radionuclide Production Cross Section



21

Incident Energy (MeV)

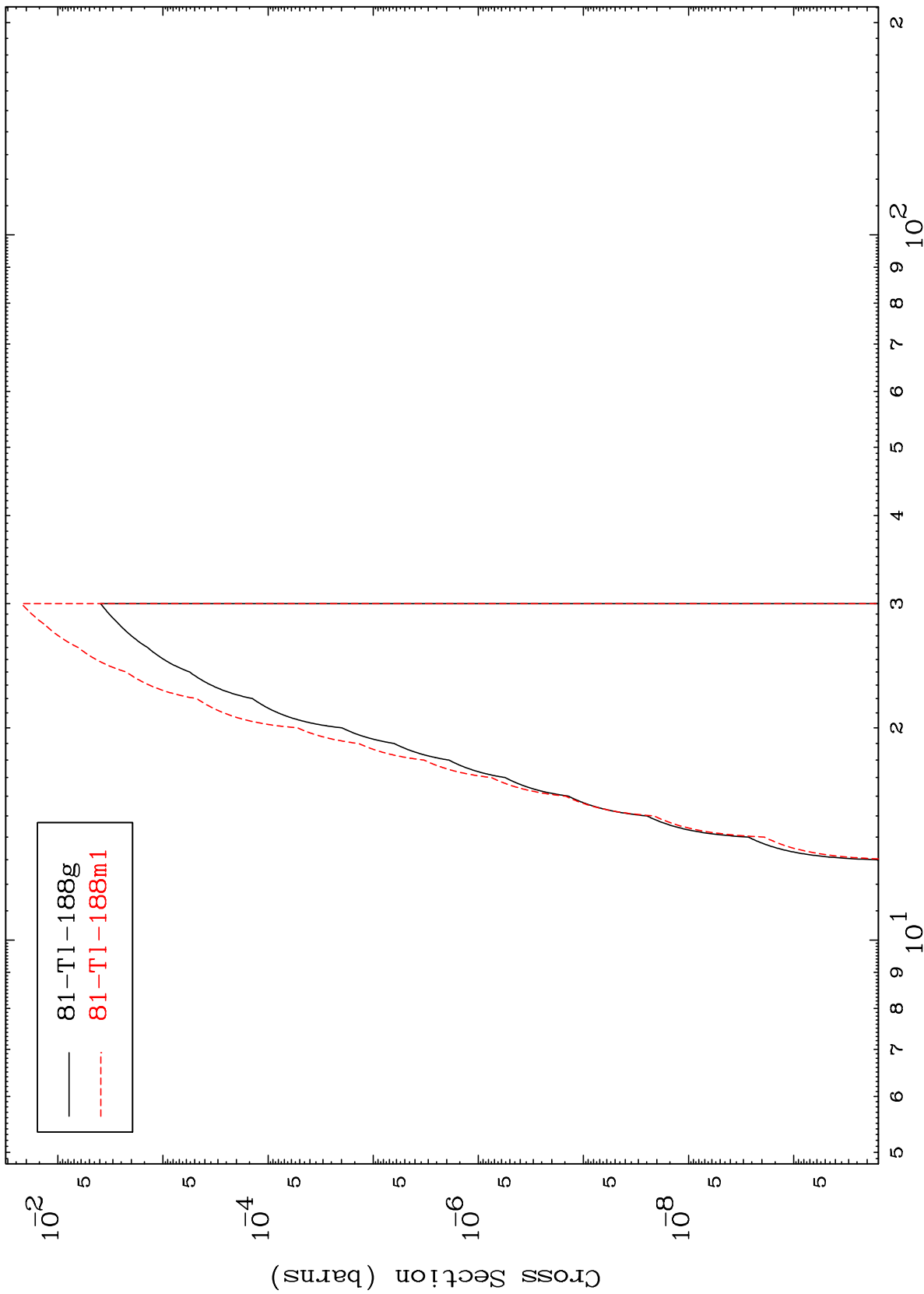
82-Pb-189

MAT 8180

(n,2n) p

82-Pb-189

Radionuclide Production Cross Section



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

22

Incident Energy (MeV)

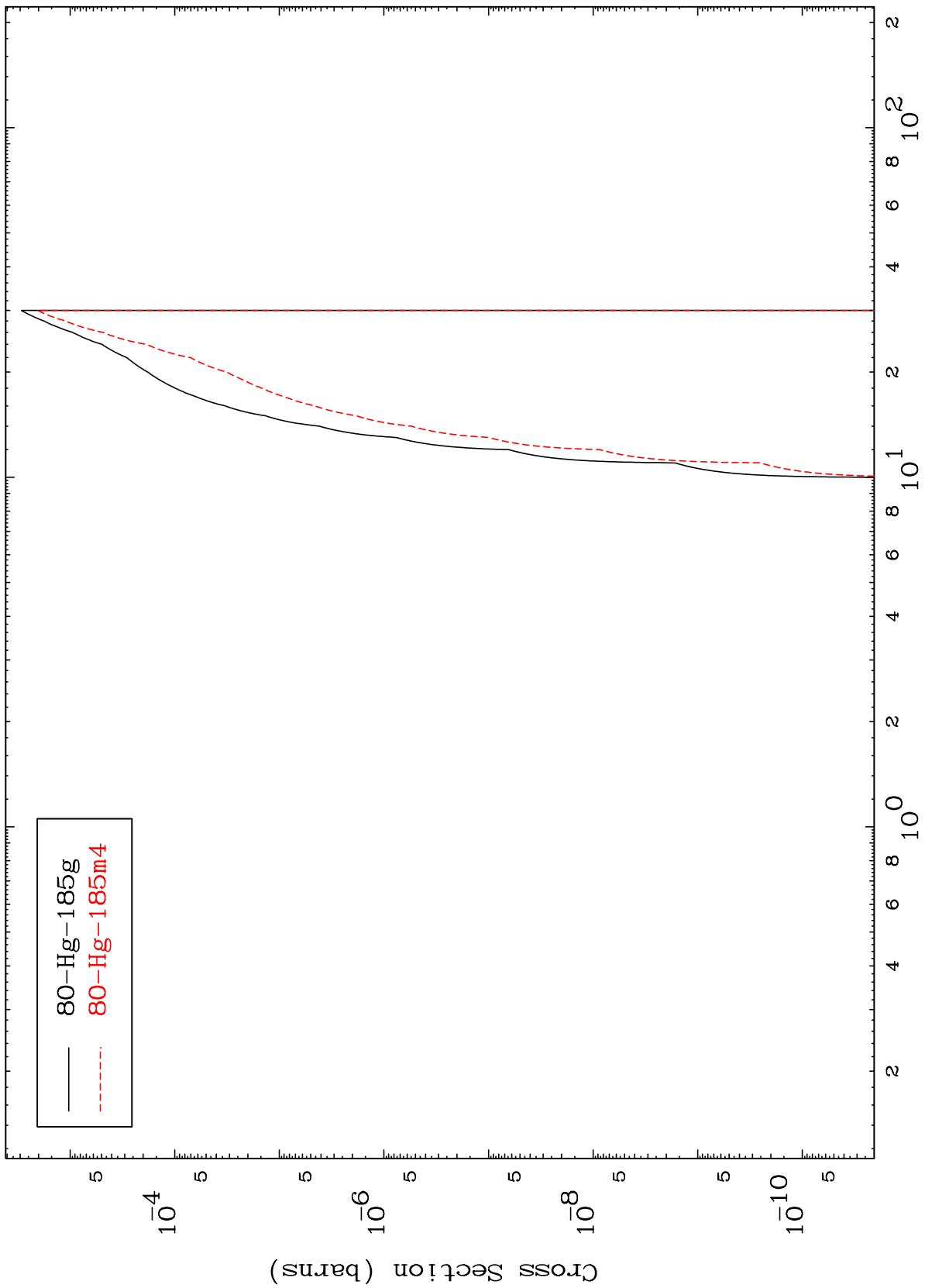
82-Pb-189

MAT 8180

(n,n') p α

82-Pb-189

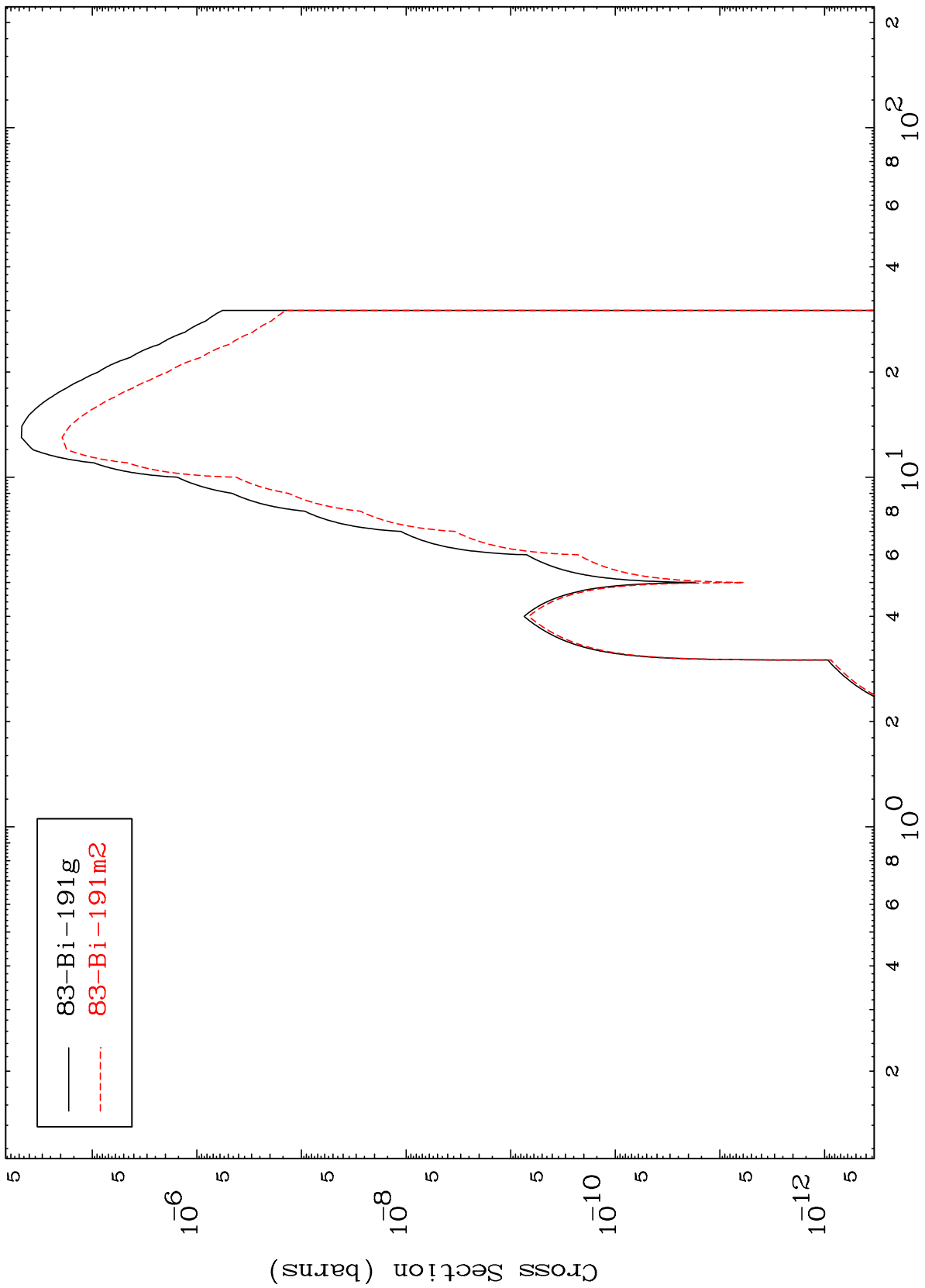
Radionuclide Production Cross Section



MAT 8180

82-Pb-189

(n, γ)
Radionuclide Production Cross Section

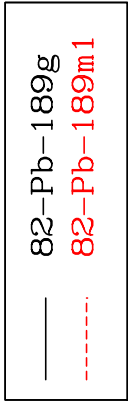
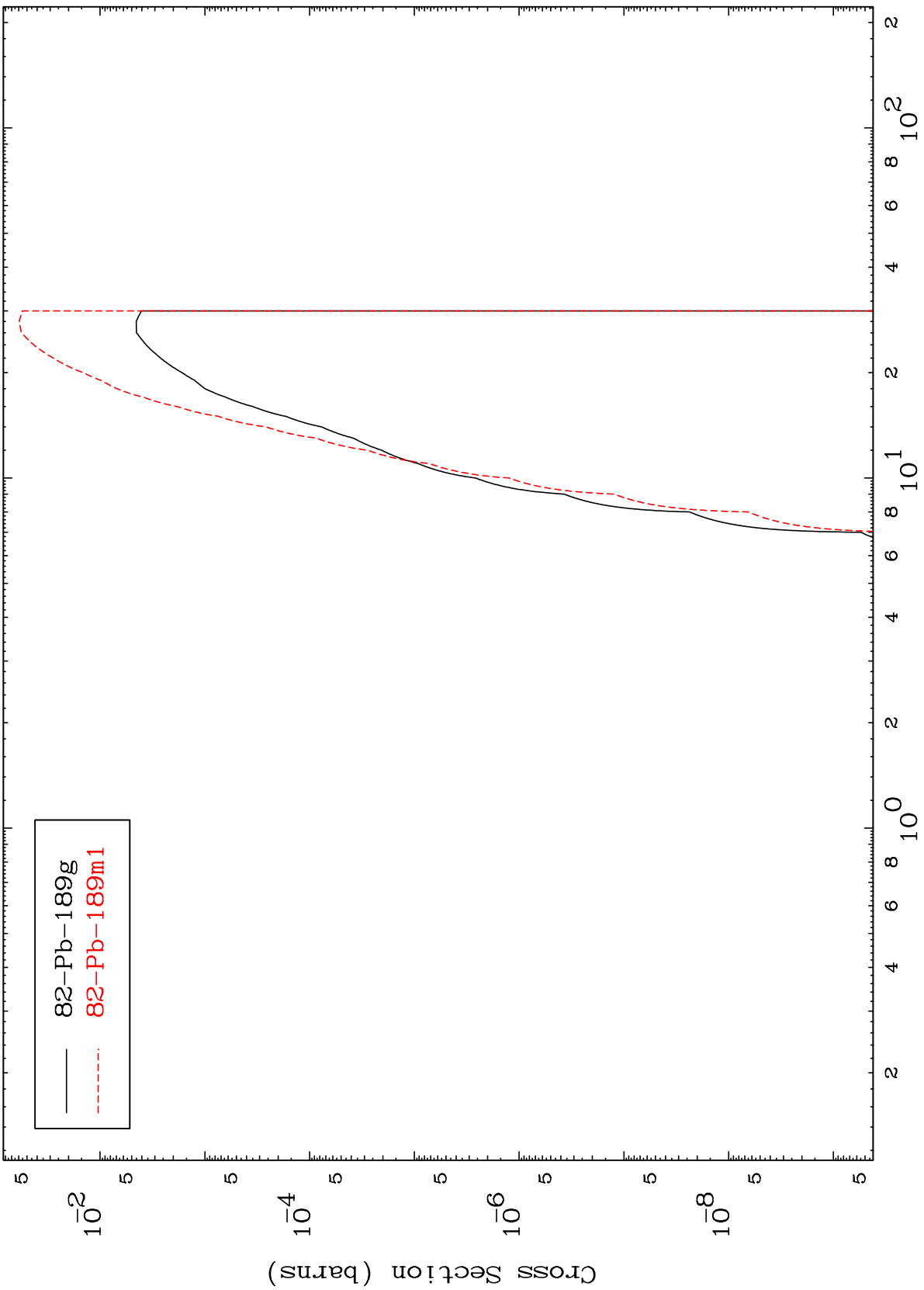


MAT 8180

(n,d)

82-Pb-189

Radionuclide Production Cross Section

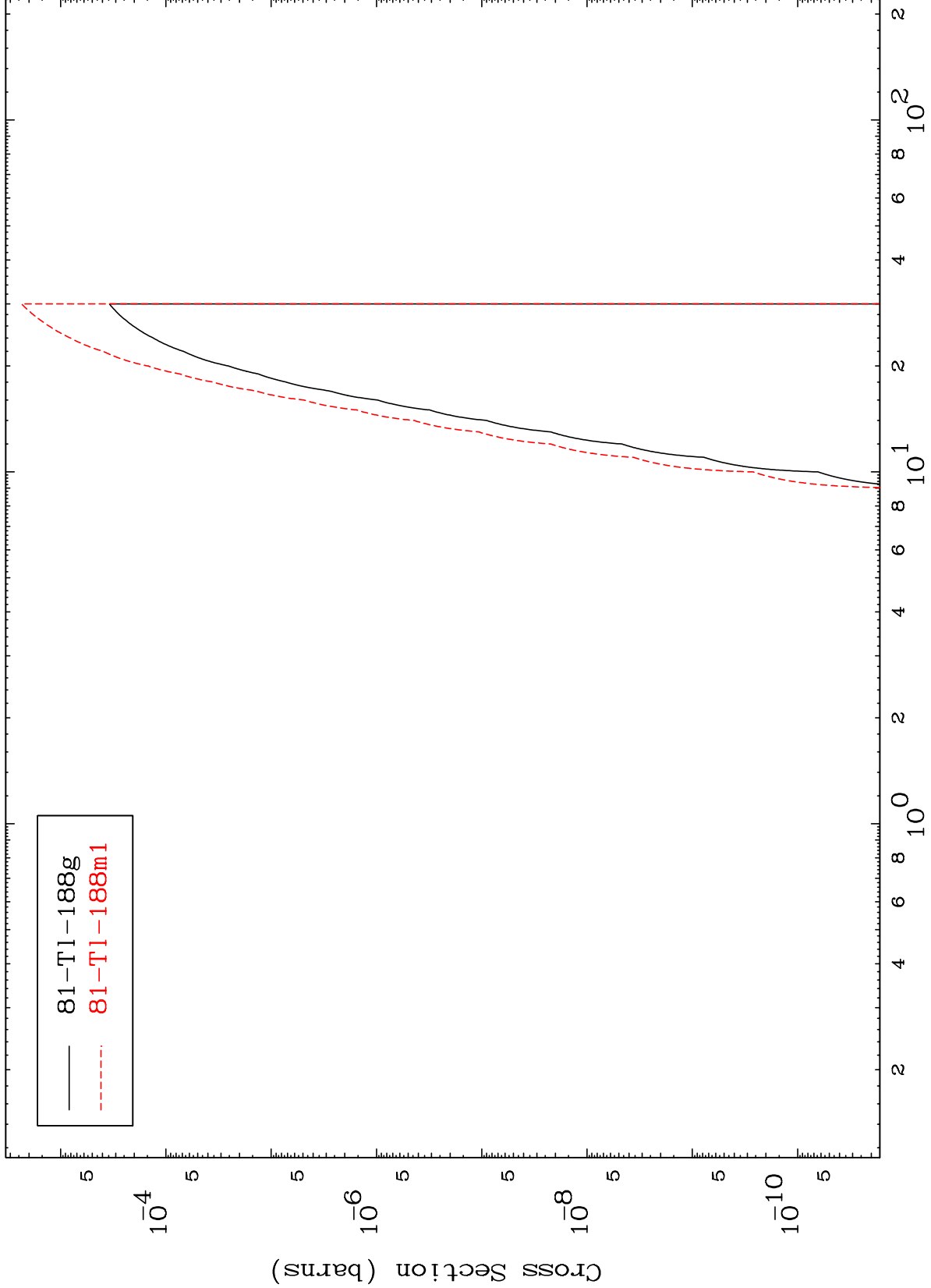


MAT 8180

(n,He-3)

82-Pb-189

Radionuclide Production Cross Section



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

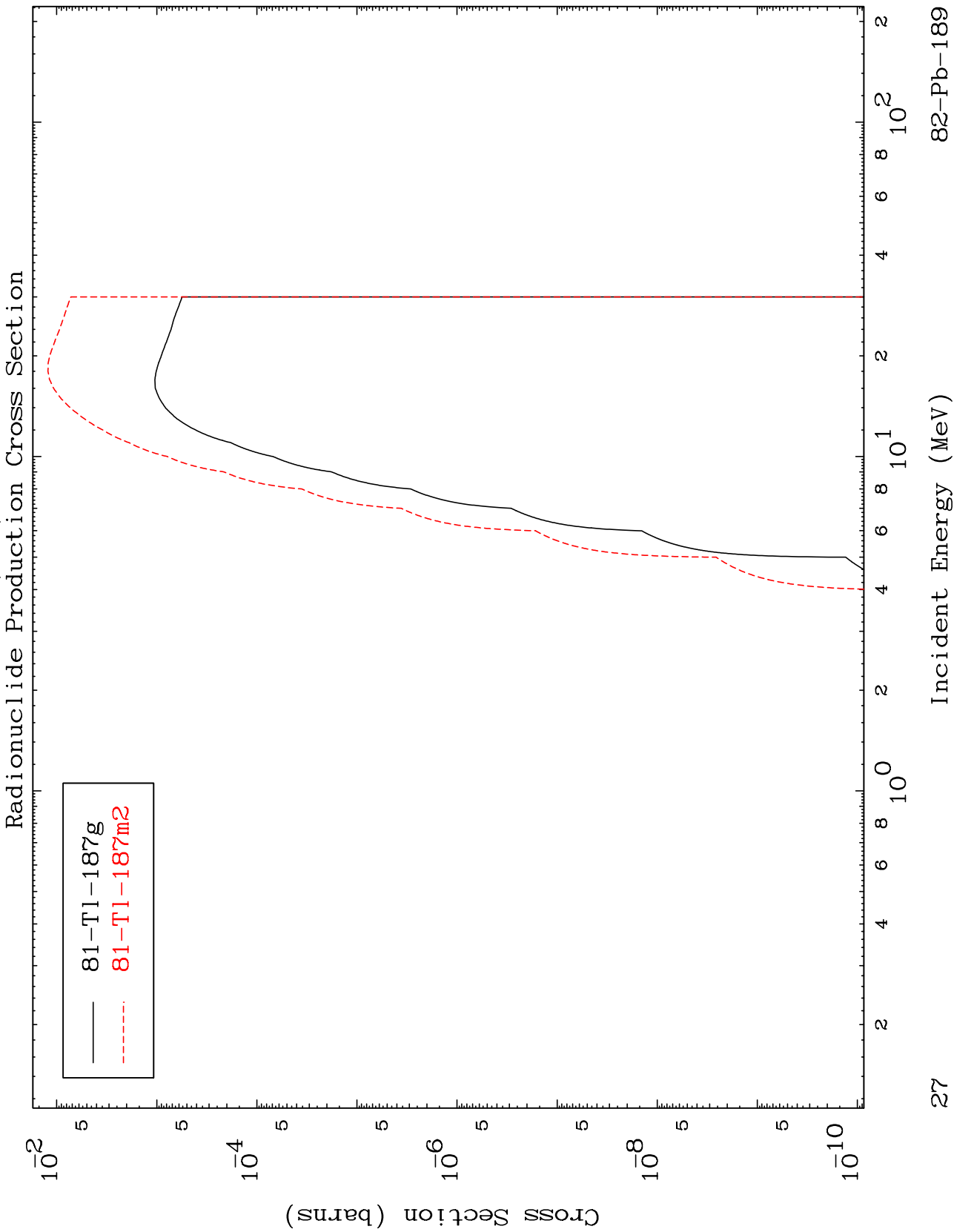
26

Incident Energy (MeV)

82-Pb-189

MAT 8180

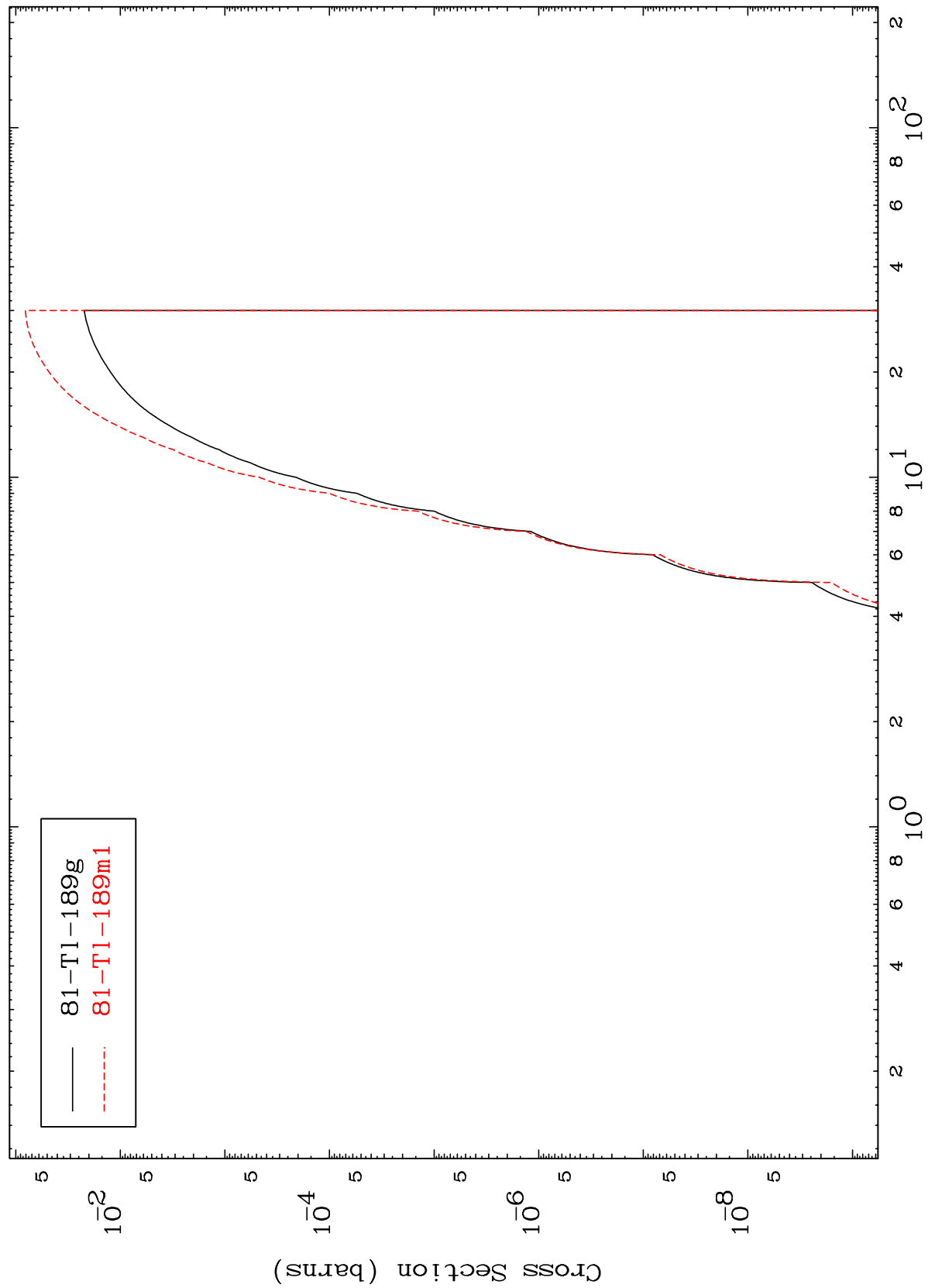
82-Pb-189



MAT 8180

82-Pb-189

(n,2p)
Radionuclide Production Cross Section



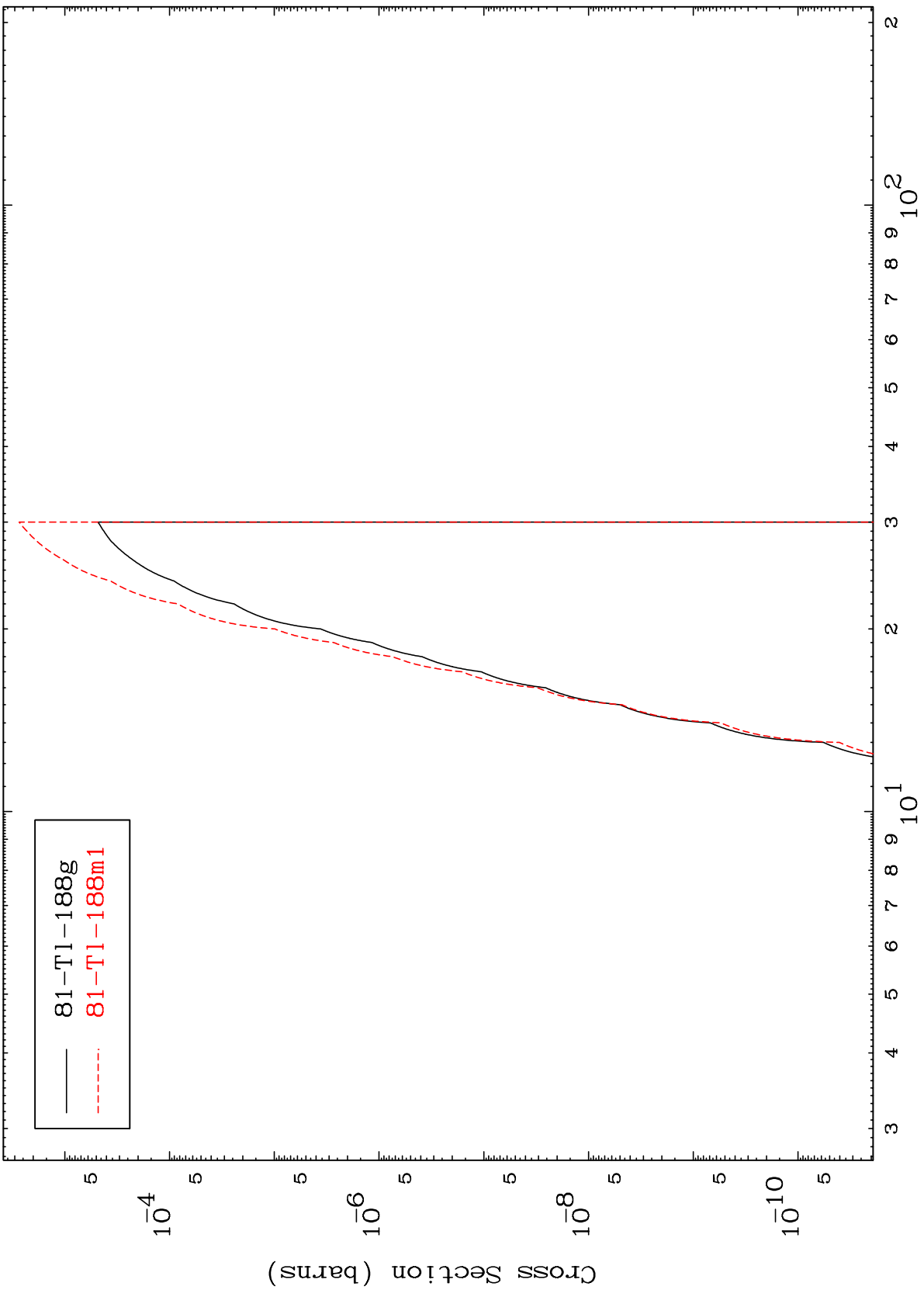
— 81-Tl-189g
- - - 81-Tl-189m1

MAT 8180

(n,p) d

82-Pb-189

Radionuclide Production Cross Section



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

29

Incident Energy (MeV)

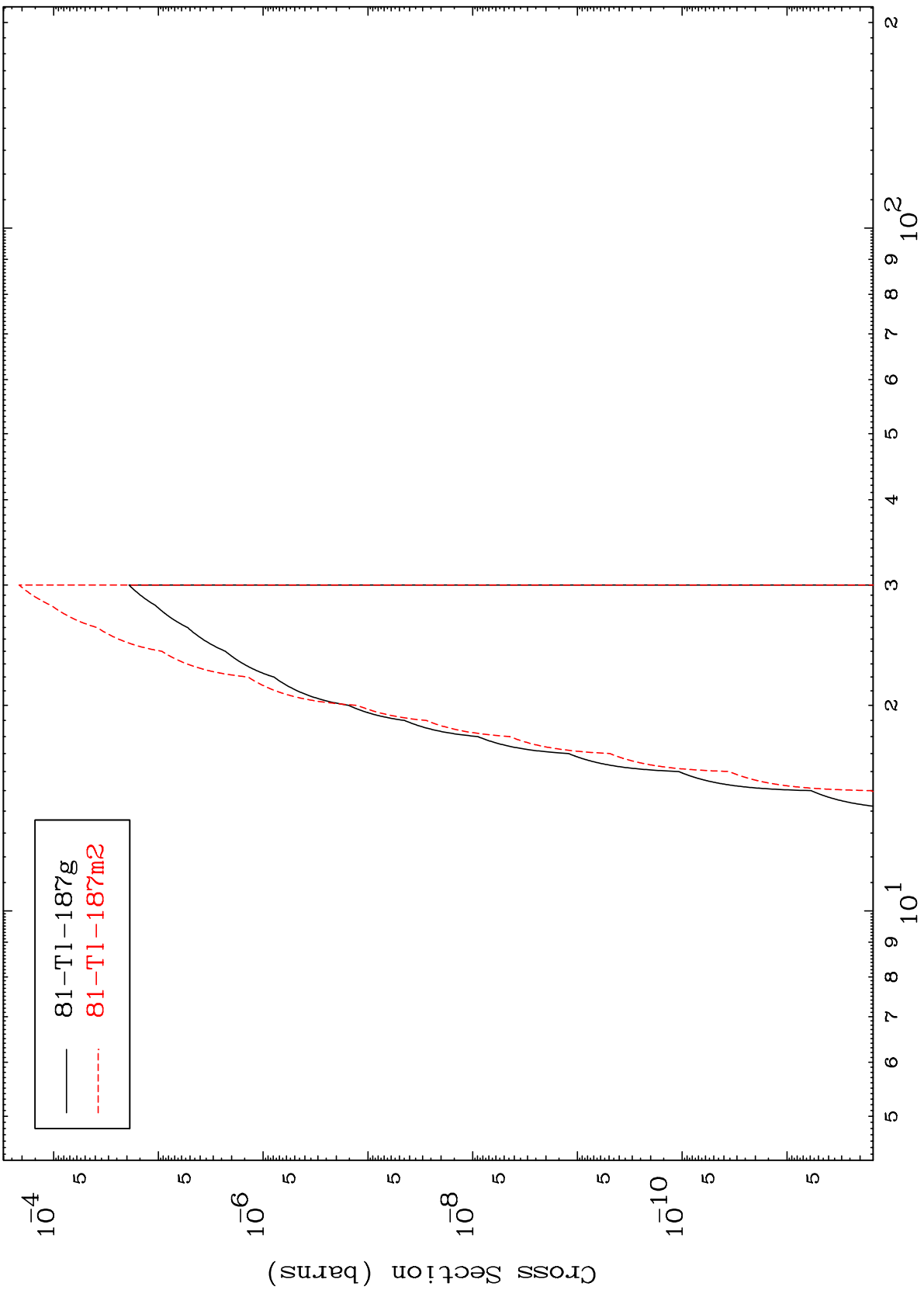
82-Pb-189

MAT 8180

(n,p) t

82-Pb-189

Radionuclide Production Cross Section



30

Incident Energy (MeV)

82-Pb-189

MAT 8180

(n,d) α

82-Pb-189

