

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

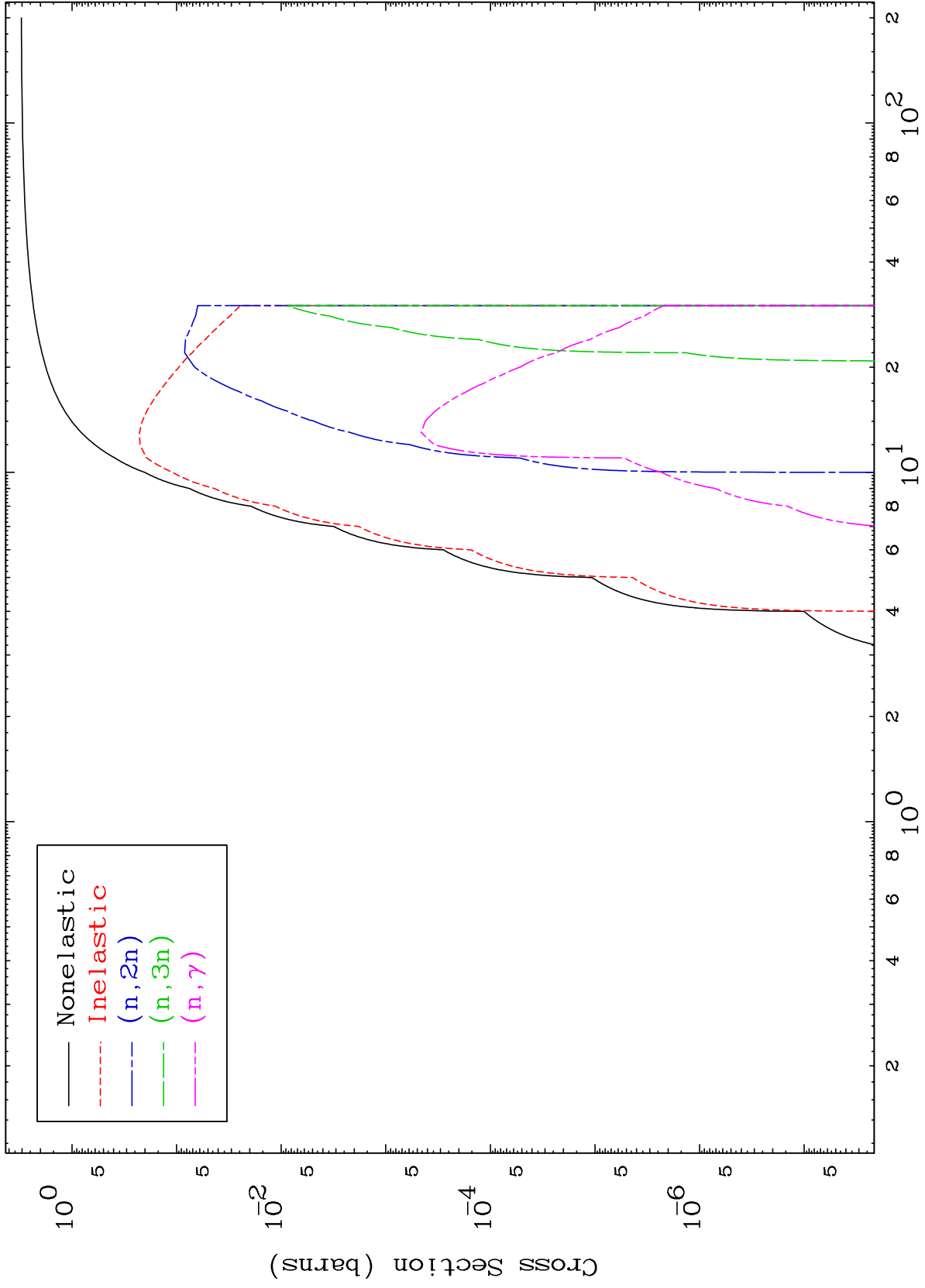
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8187

Deuteron Major
0 Kelvin Cross Sections

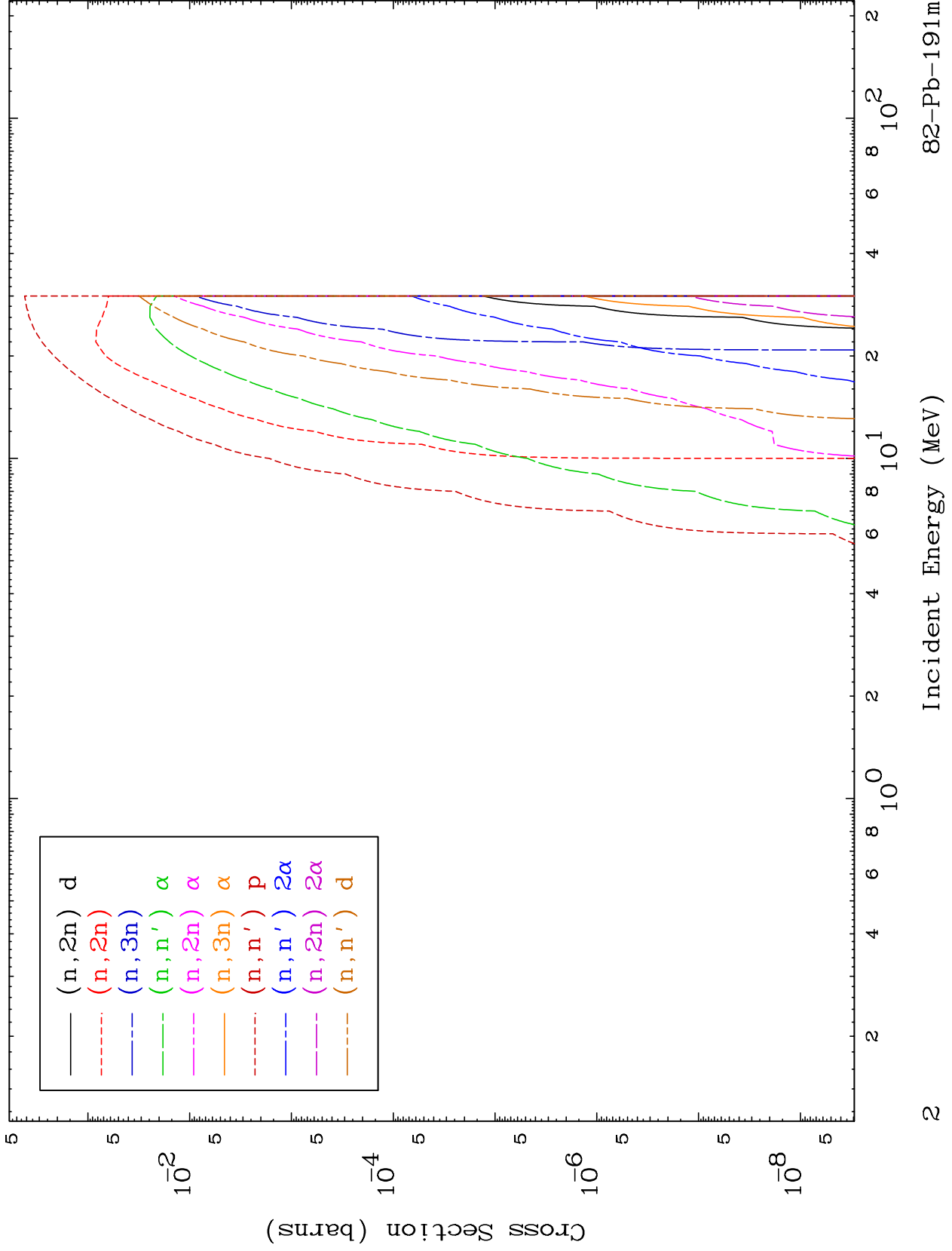
82-Pb-191m

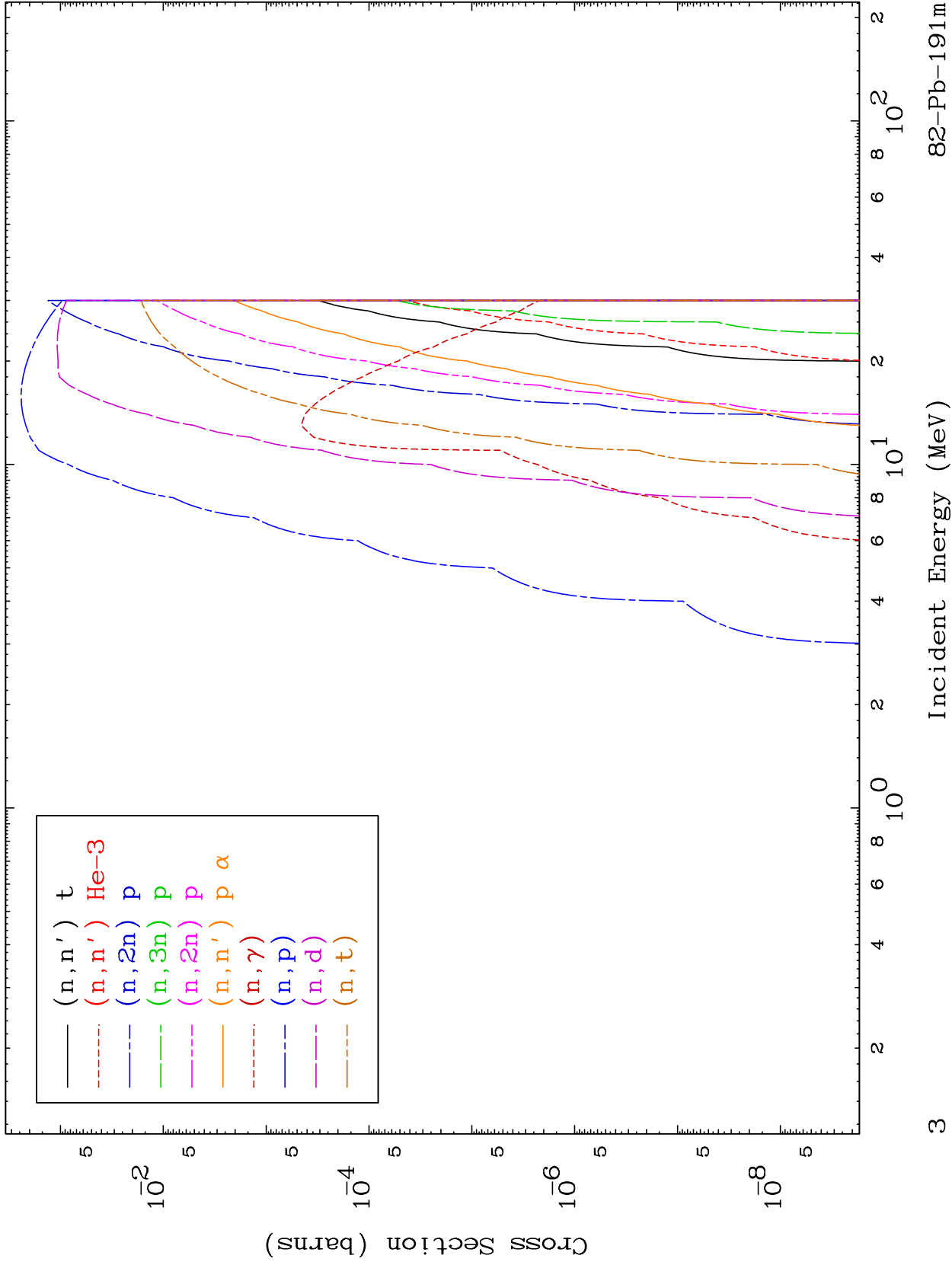


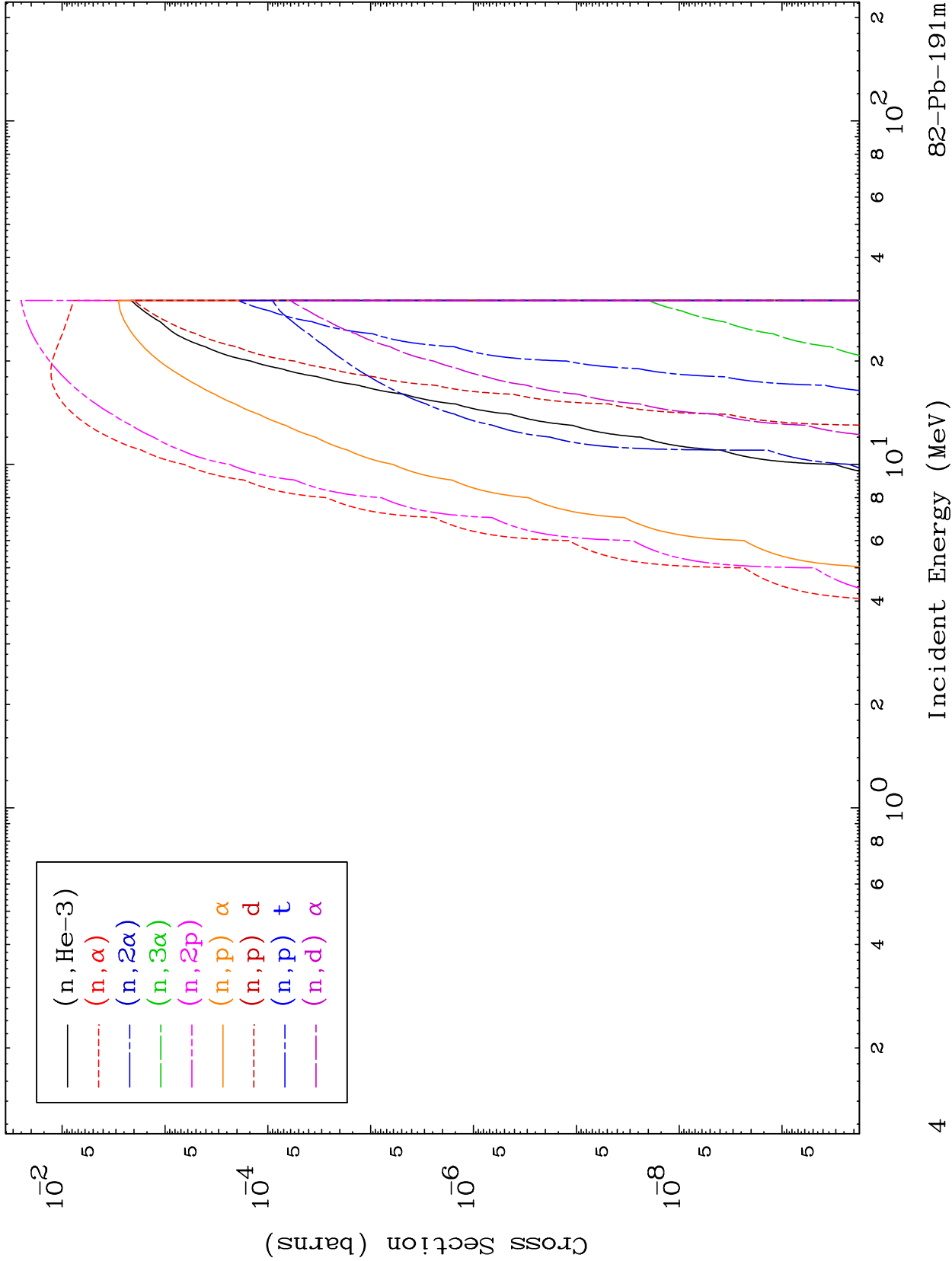
MAT 8187

Deuteron Neutron Absorption
0 Kelvin Cross Sections

82-Pb-191m



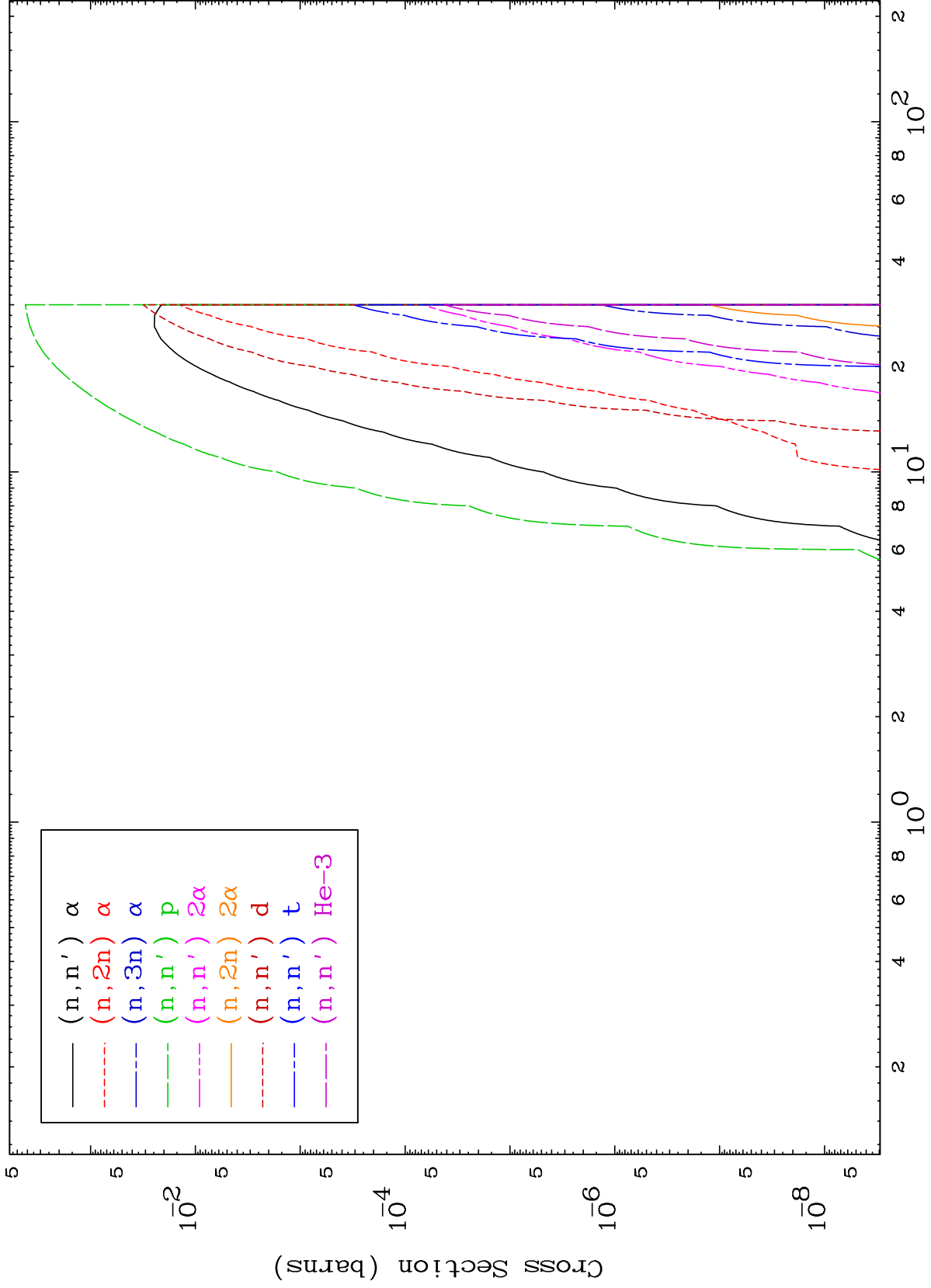


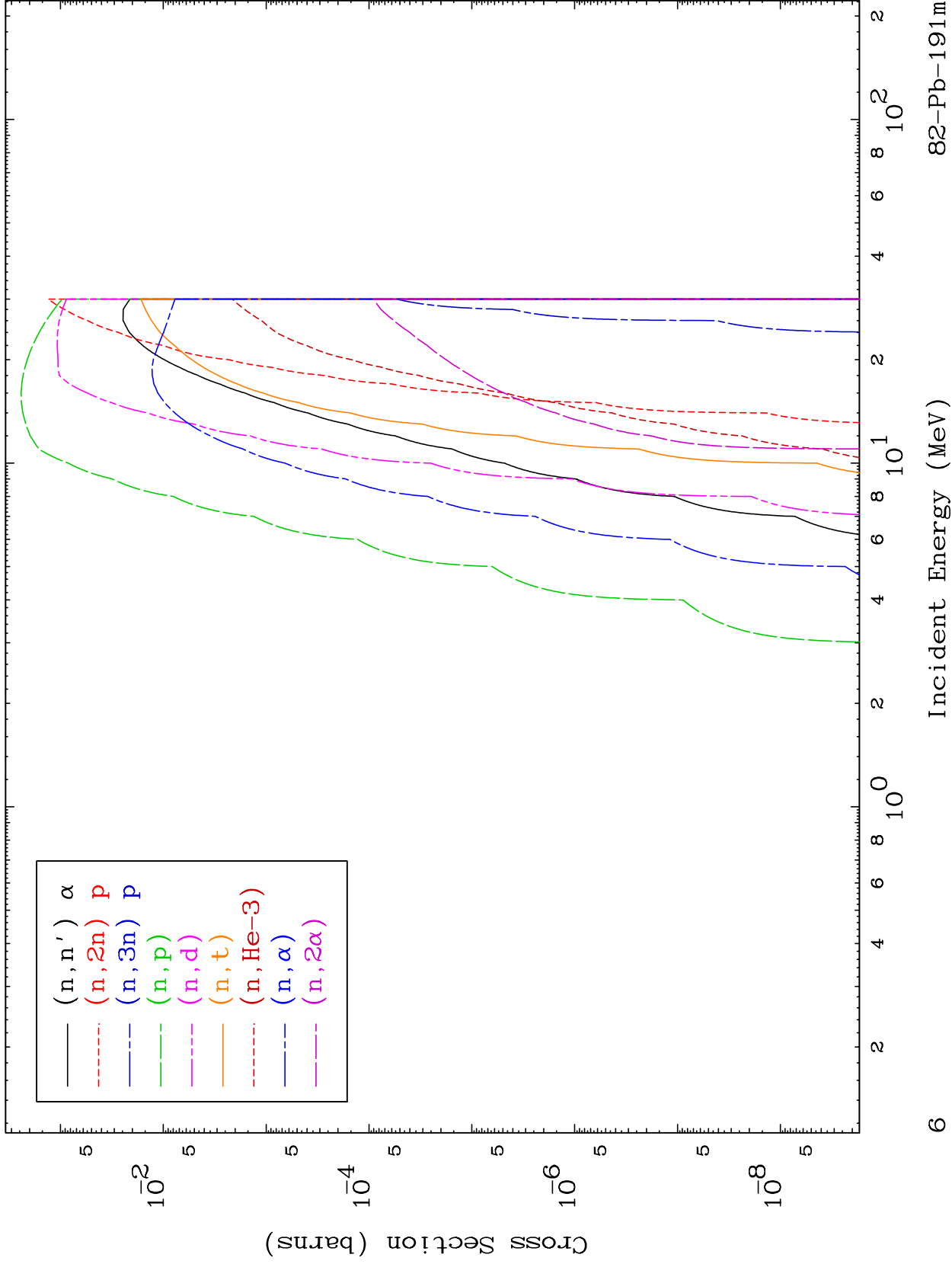


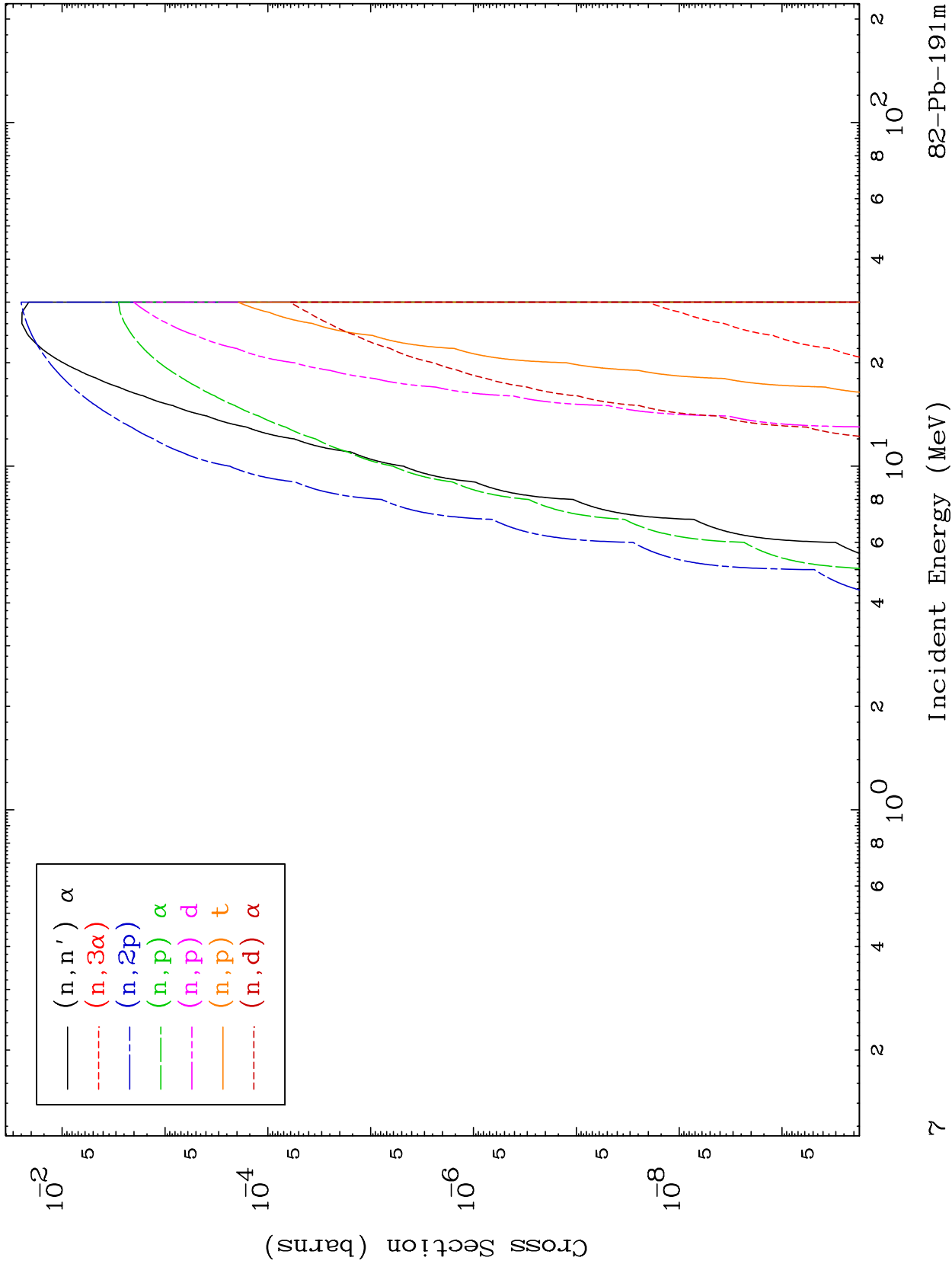
MAT 8187

Deuteron Charged Particle
0 Kelvin Cross Sections

82-Pb-191m





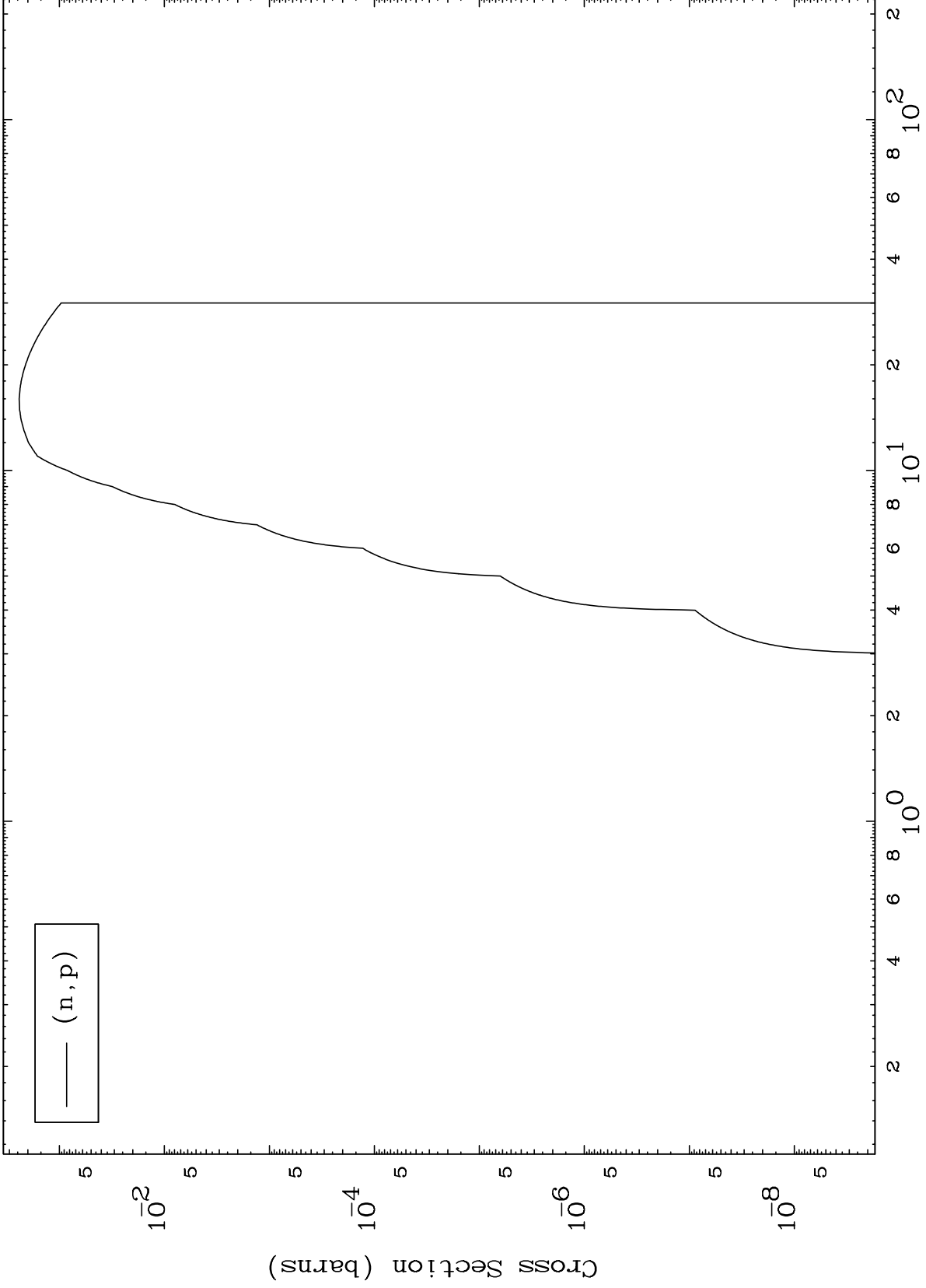


MAT 8187

(d,p) Levels

82-Pb-191m

0 Kelvin Cross Sections

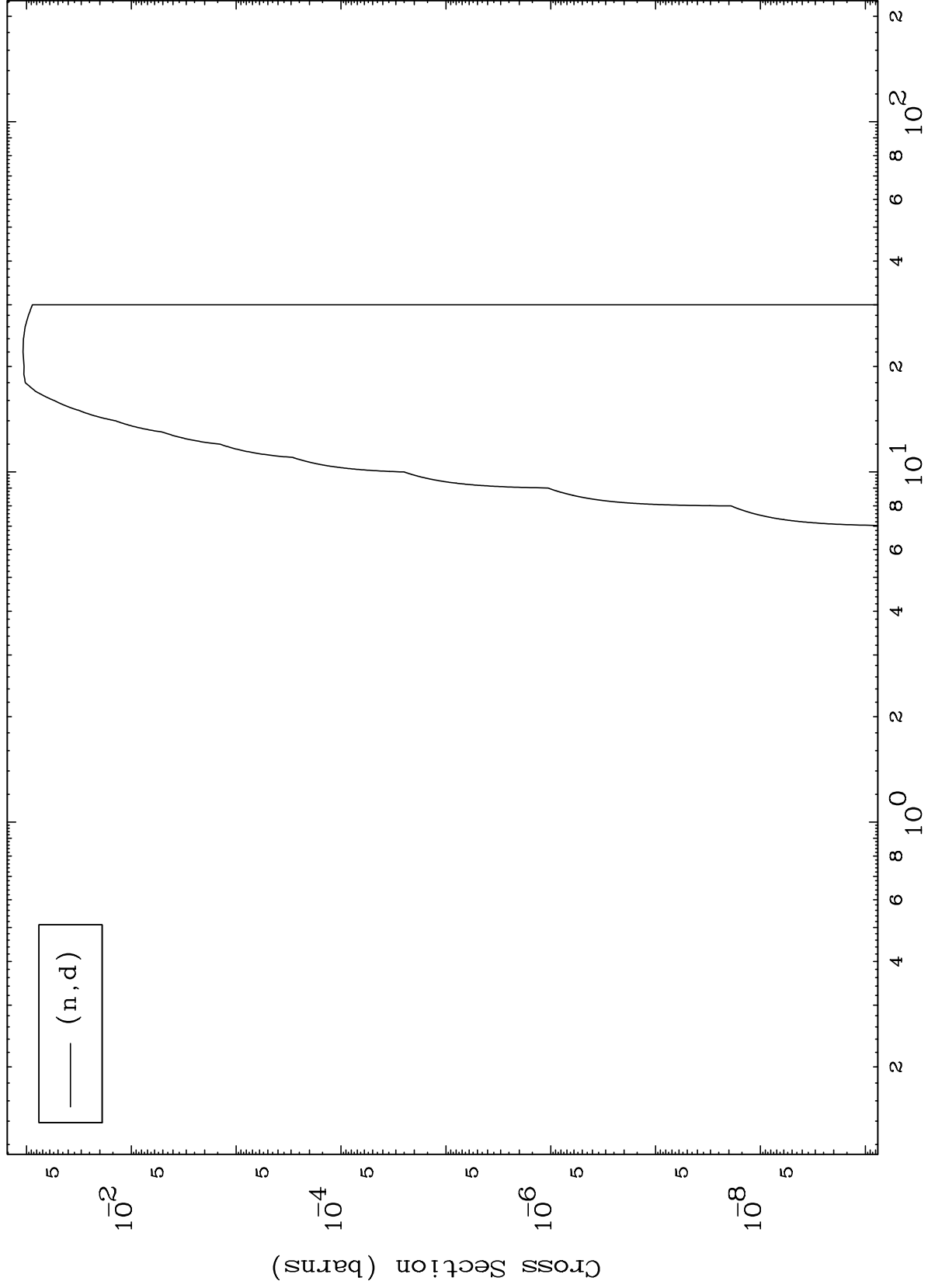


MAT 8187

(d,d) Levels

⁸²Pb-191m

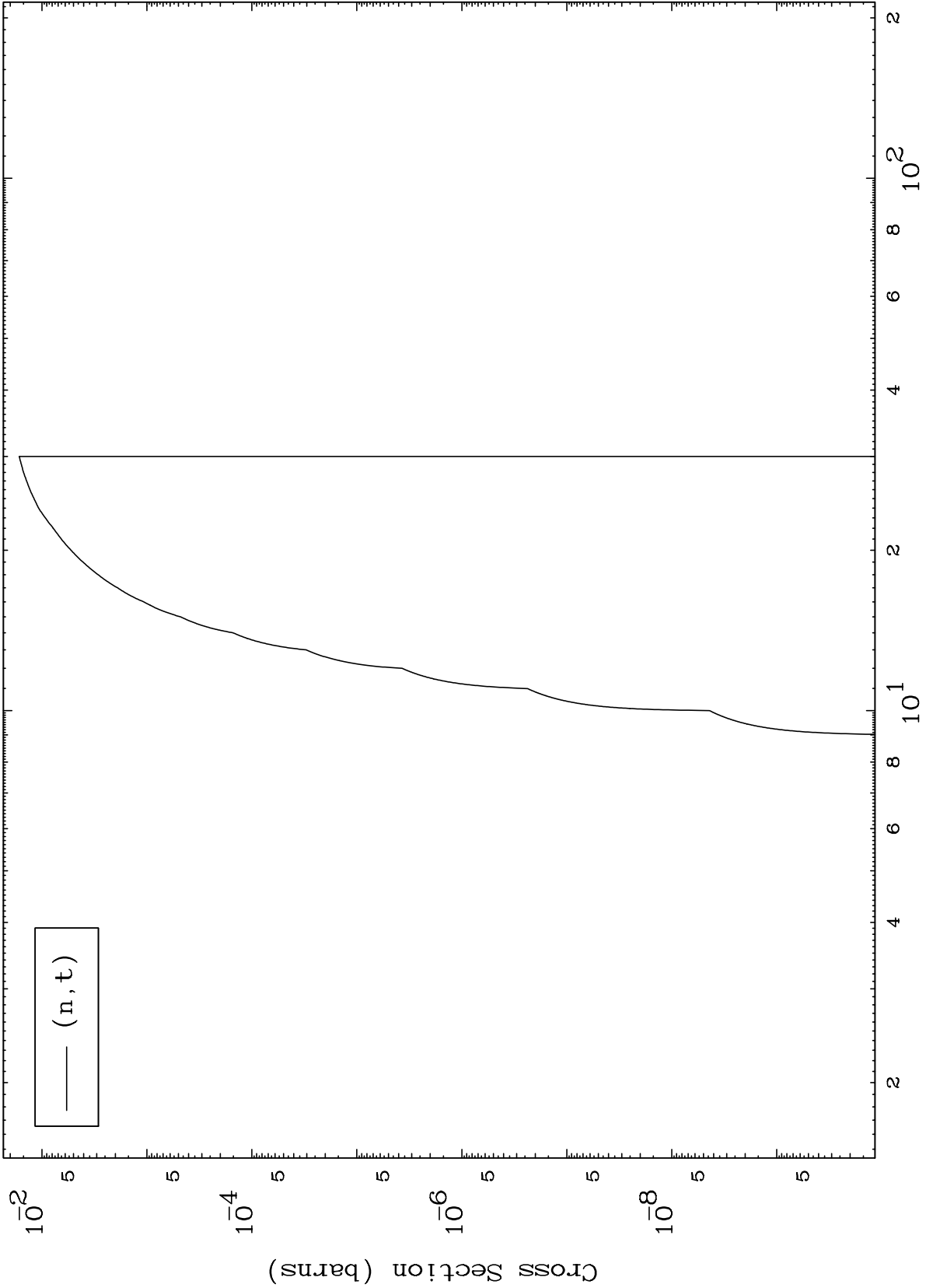
0 Kelvin Cross Sections



MAT 8187

(d, t) Levels
0 Kelvin Cross Sections

82-Pb-191m



10

Incident Energy (MeV)

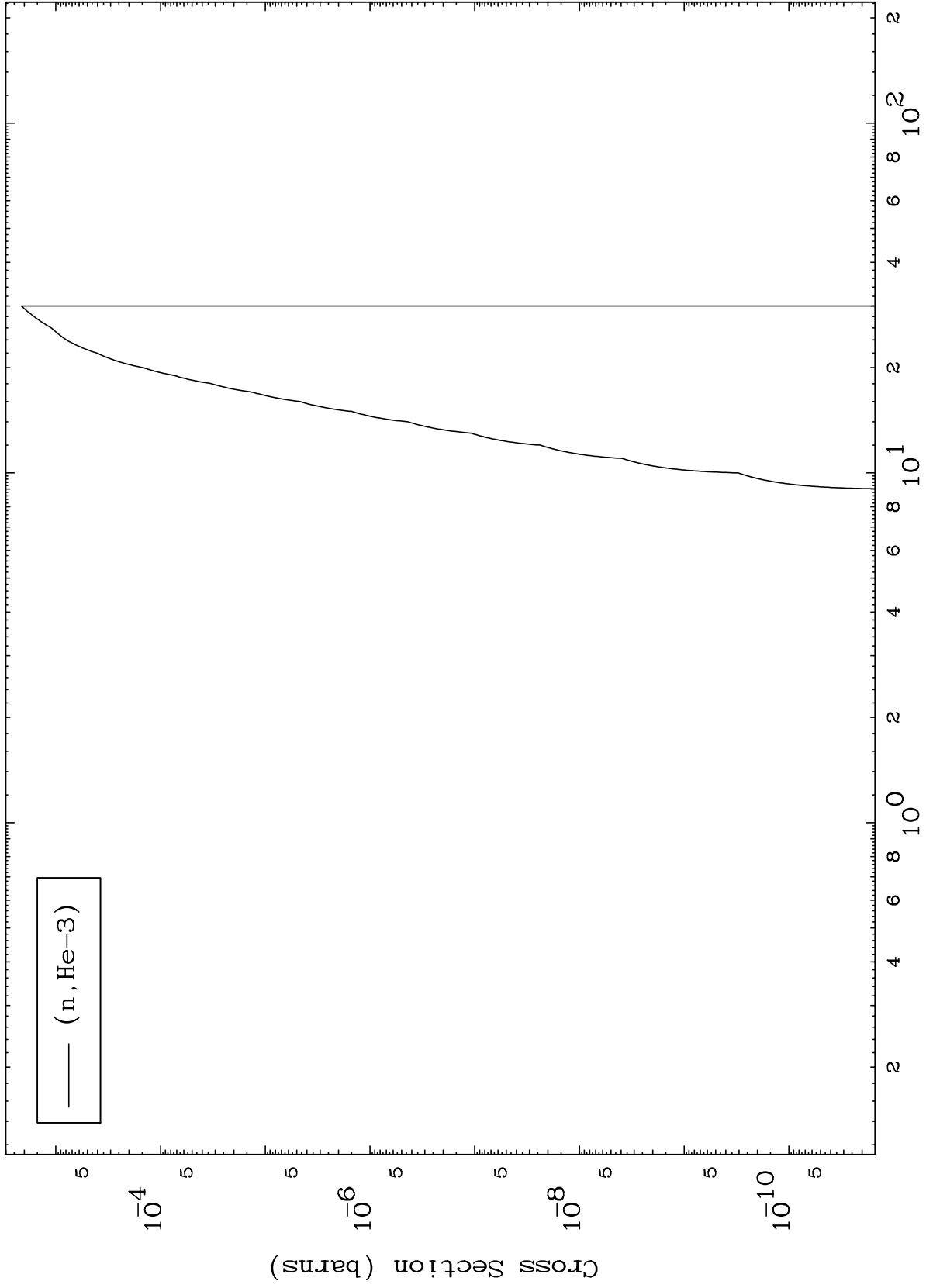
82-Pb-191m

MAT 8187

(d,He3) Levels

82-Pb-191m

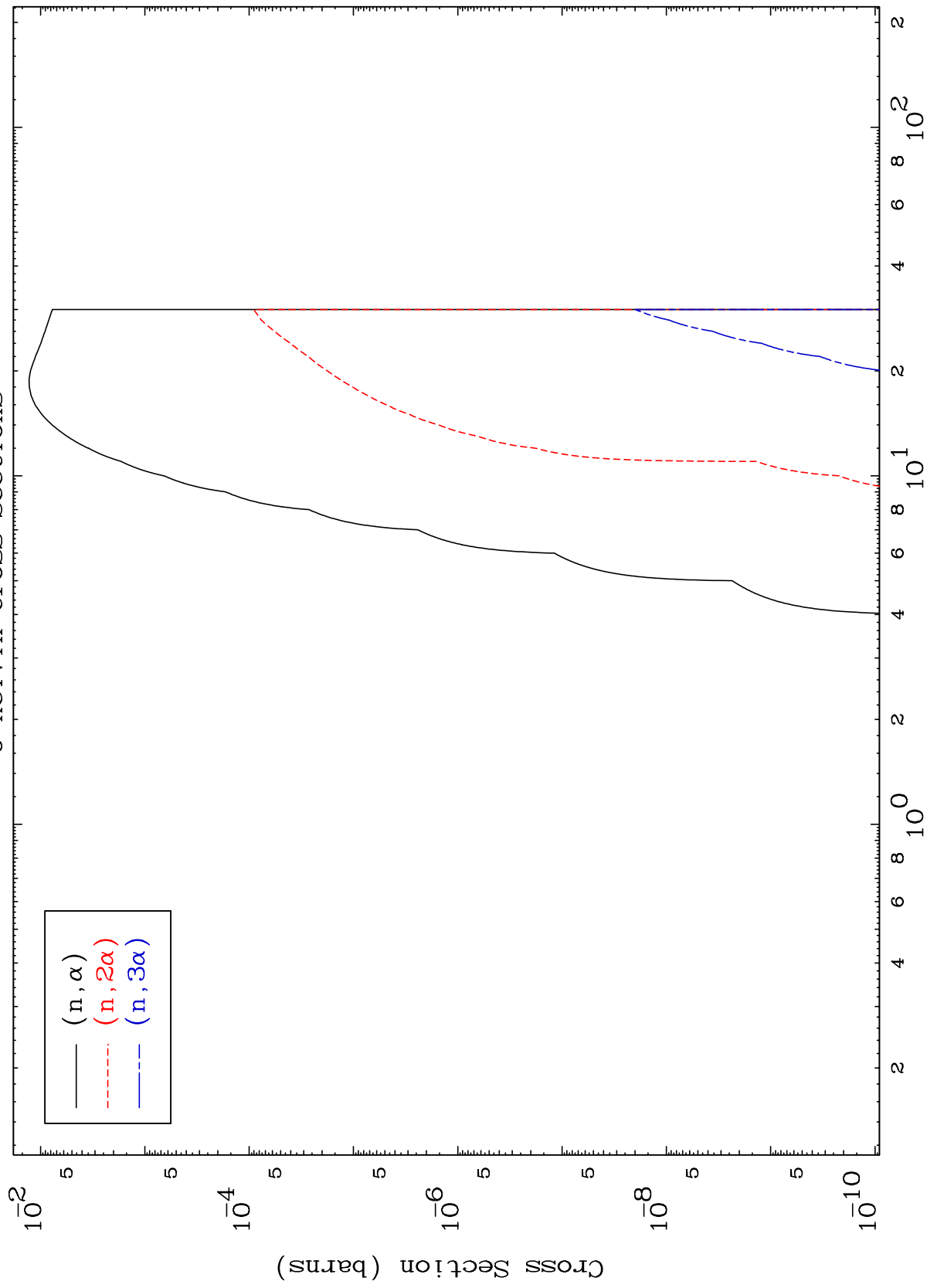
0 Kelvin Cross Sections



MAT 8187

82-Pb-191m

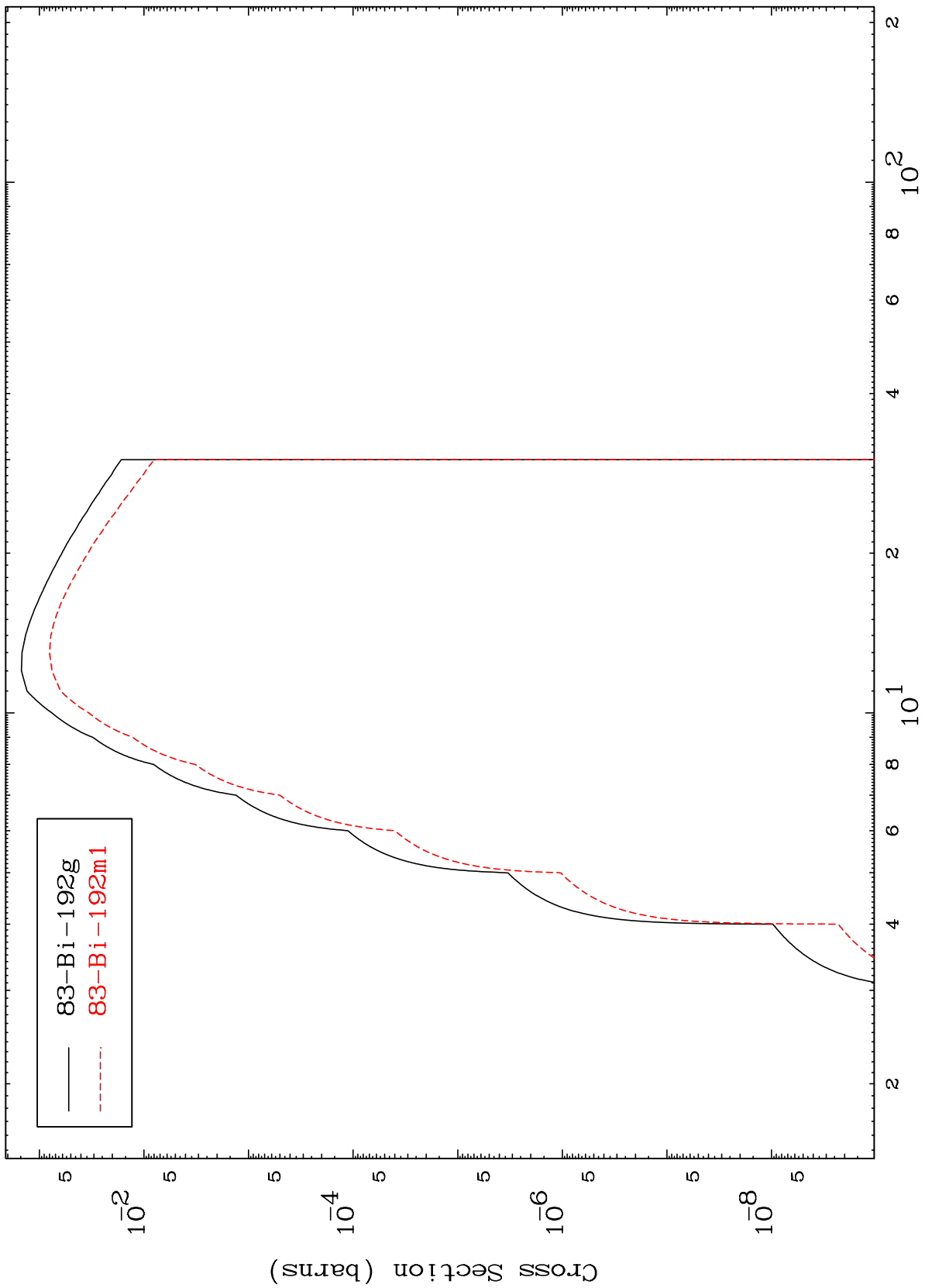
(d, α) Levels
0 Kelvin Cross Sections



MAT 8187

82-Pb-191m

Inelastic
Radionuclide Production Cross Section



82-Pb-191m

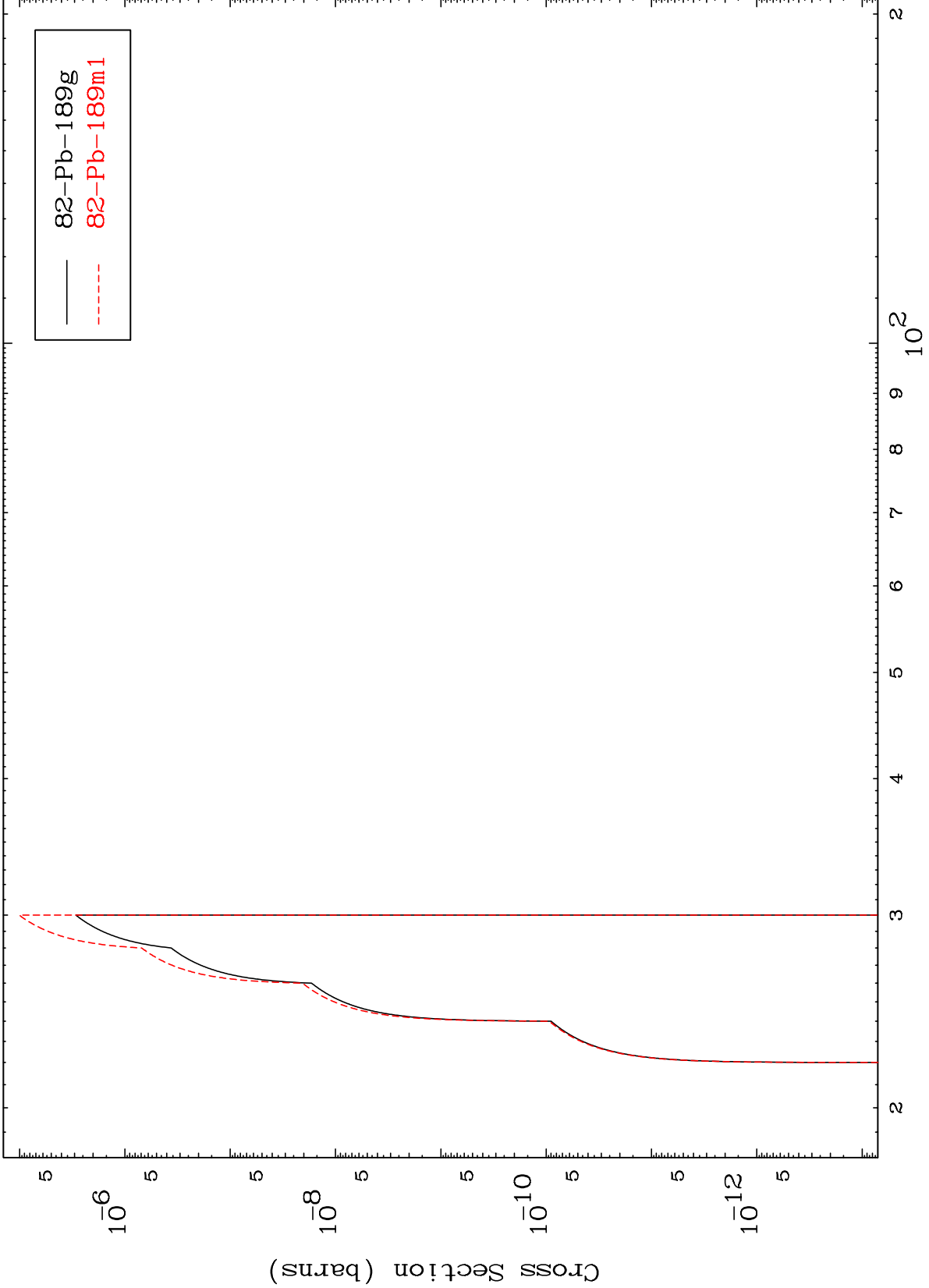
Incident Energy (MeV)

MAT 8187

(n,2n) d

82-Pb-191m

Radionuclide Production Cross Section



82-Pb-189g
82-Pb-189m1

14

Incident Energy (MeV)

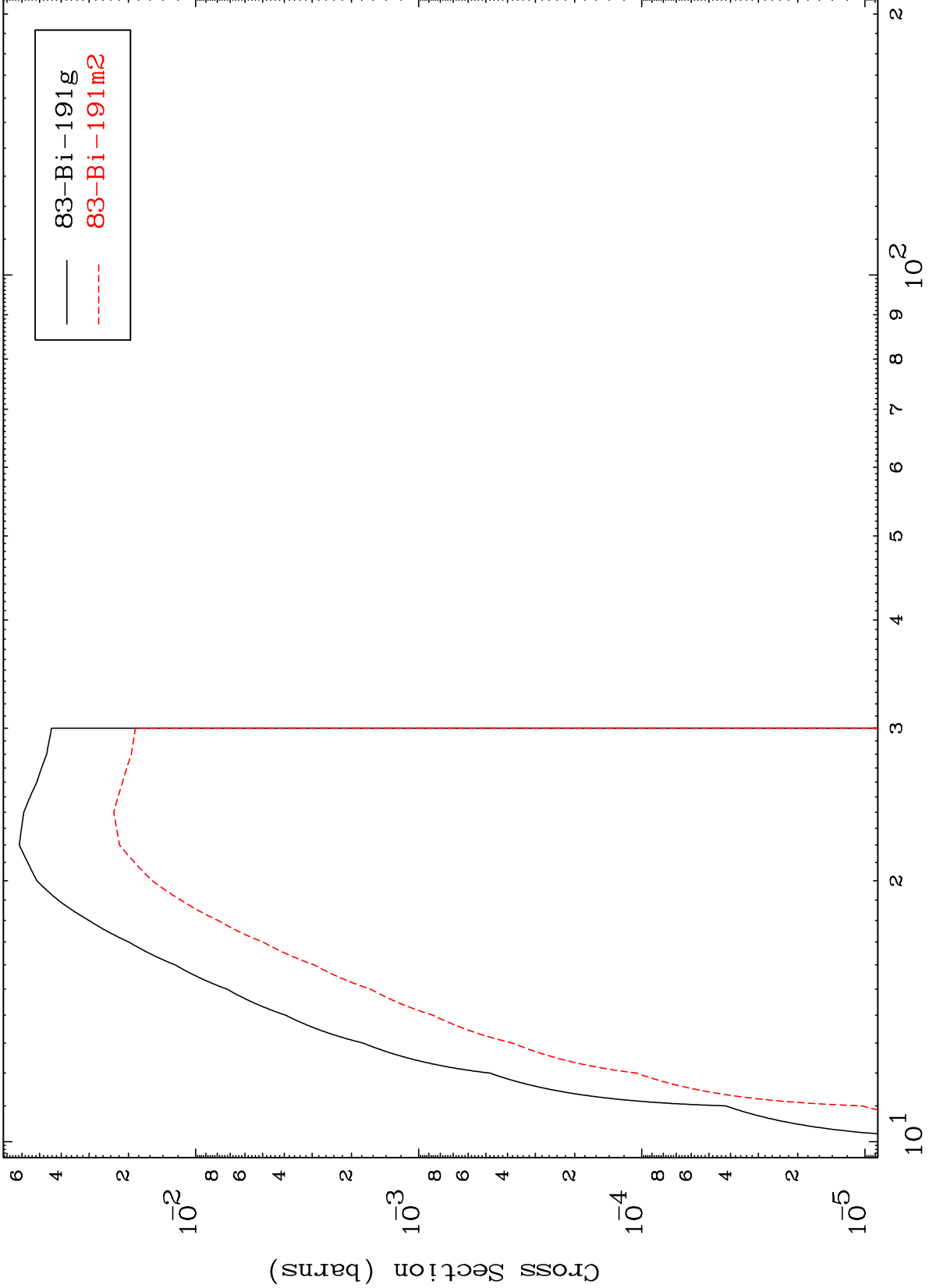
82-Pb-191m

MAT 8187

(n,2n)

82-Pb-191m

Radionuclide Production Cross Section



Incident Energy (MeV)

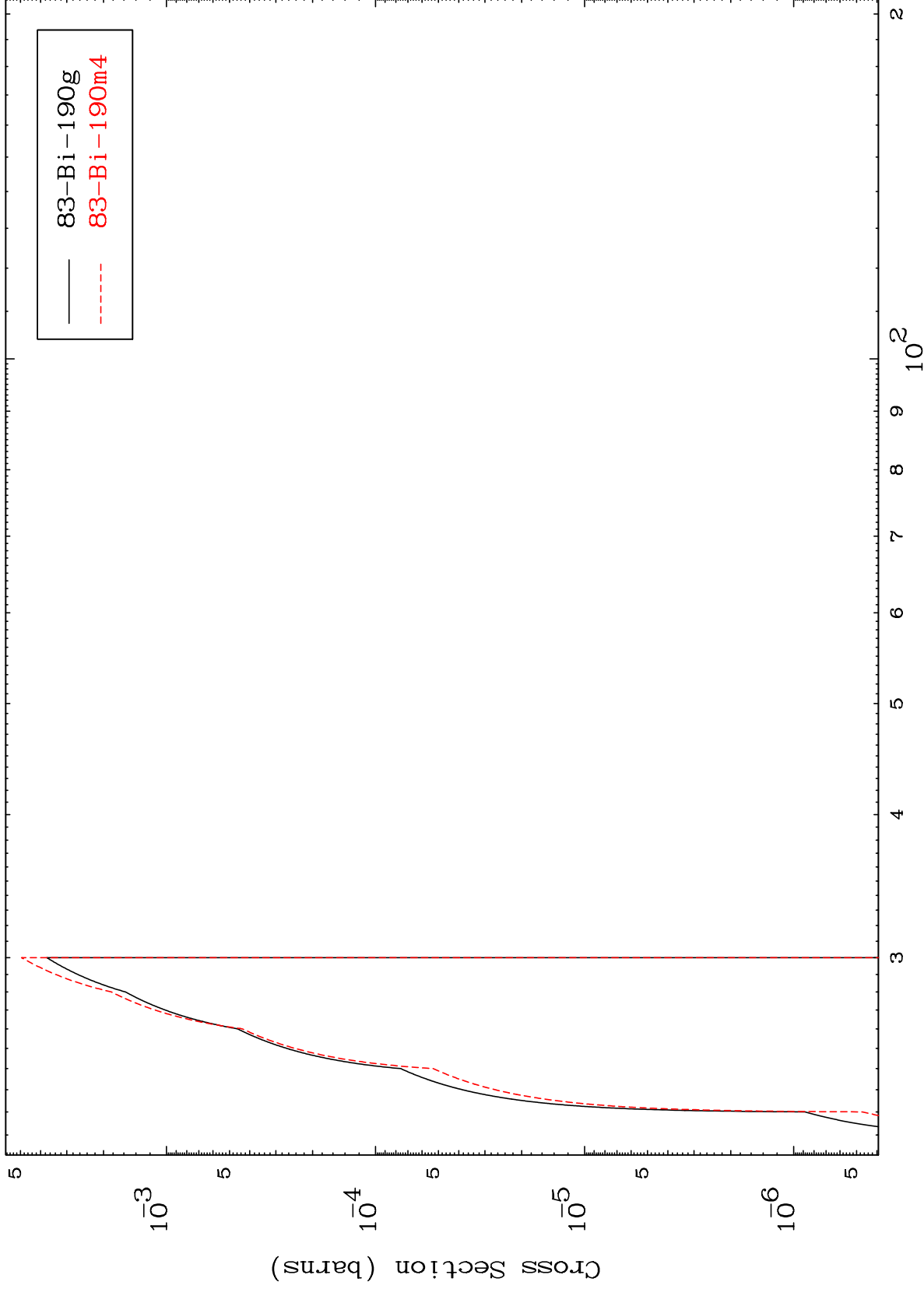
82-Pb-191m

MAT 8187

(n,3n)

82-Pb-191m

Radionuclide Production Cross Section



16

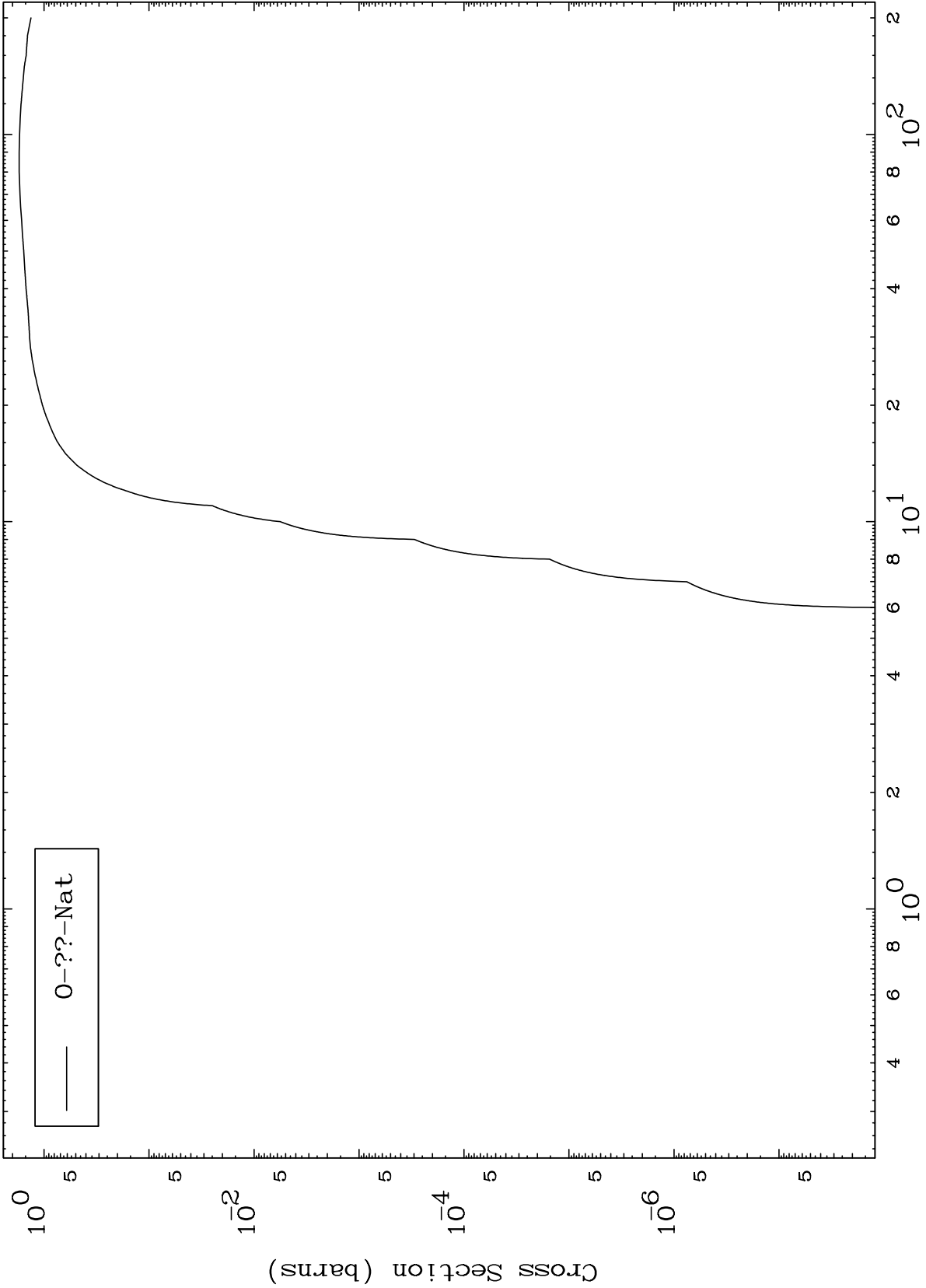
Incident Energy (MeV)

82-Pb-191m

MAT 8187

82-Pb-191m

Fission
Radionuclide Production Cross Section

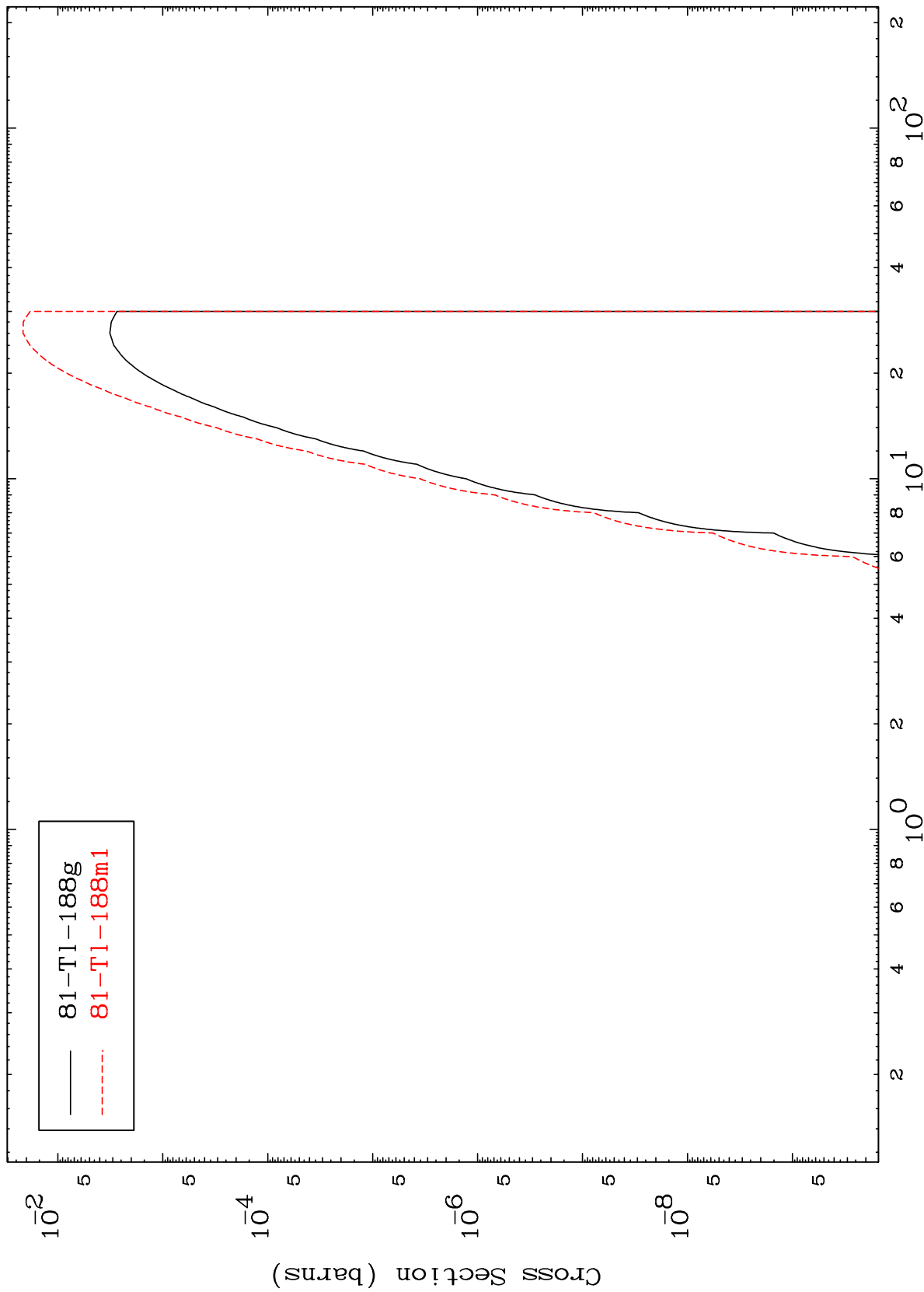


MAT 8187

$(n, n') \alpha$

82-Pb-191m

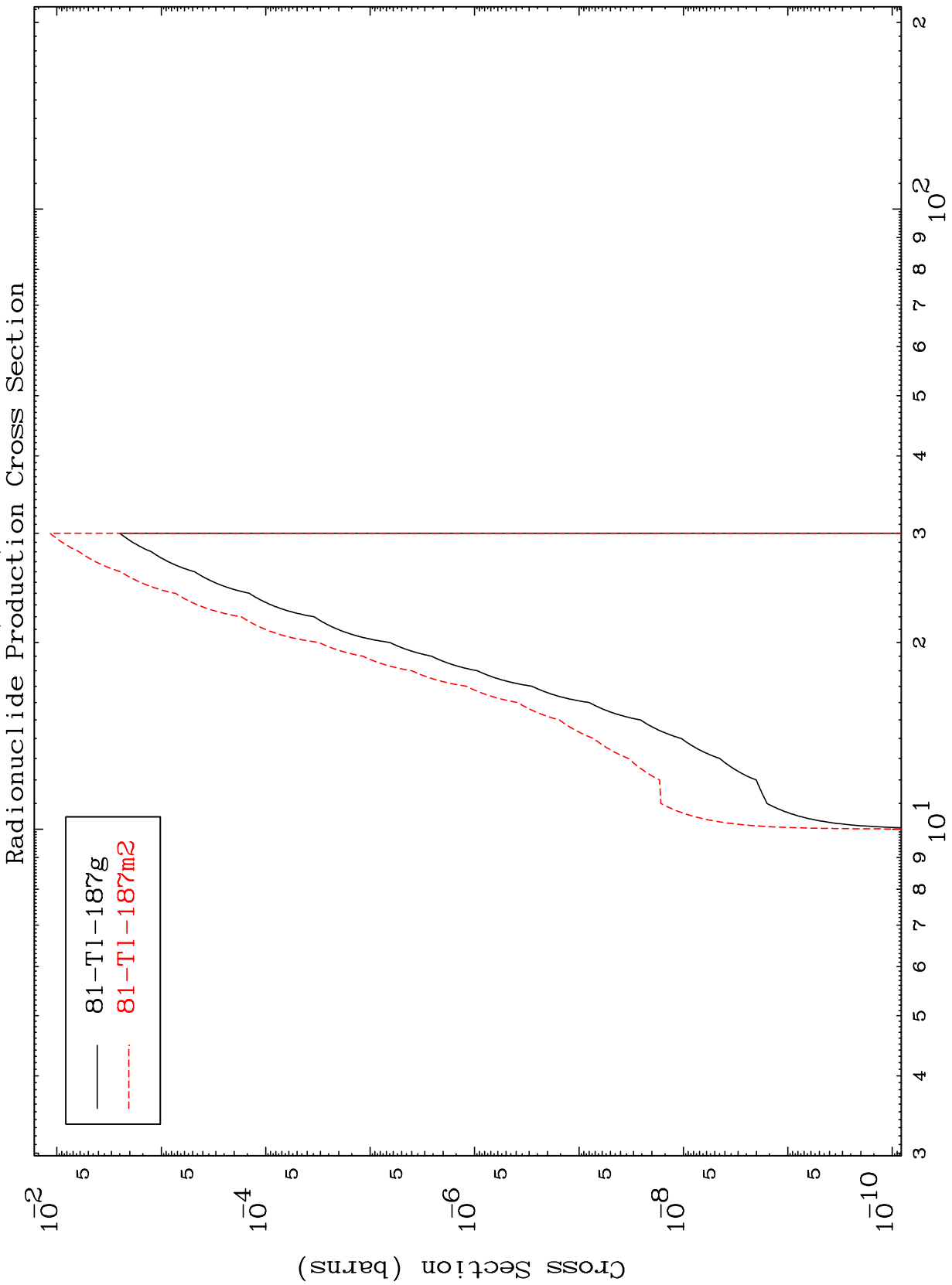
Radionuclide Production Cross Section



MAT 8187

(n,2n) α

82-Pb-191m

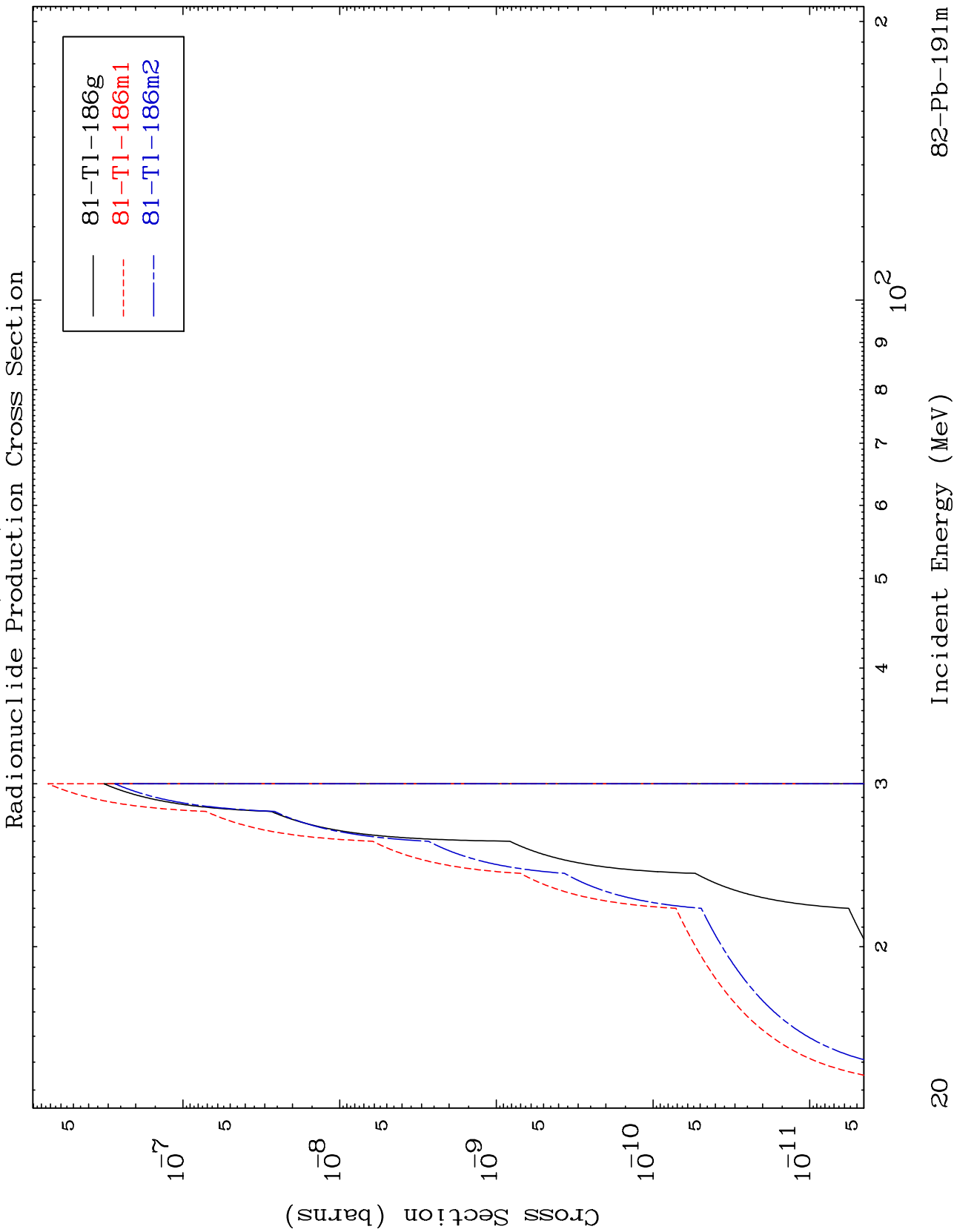


81-Tl-187g
81-Tl-187m2

MAT 8187

(n,3n) α

82-Pb-191m



20

Incident Energy (MeV)

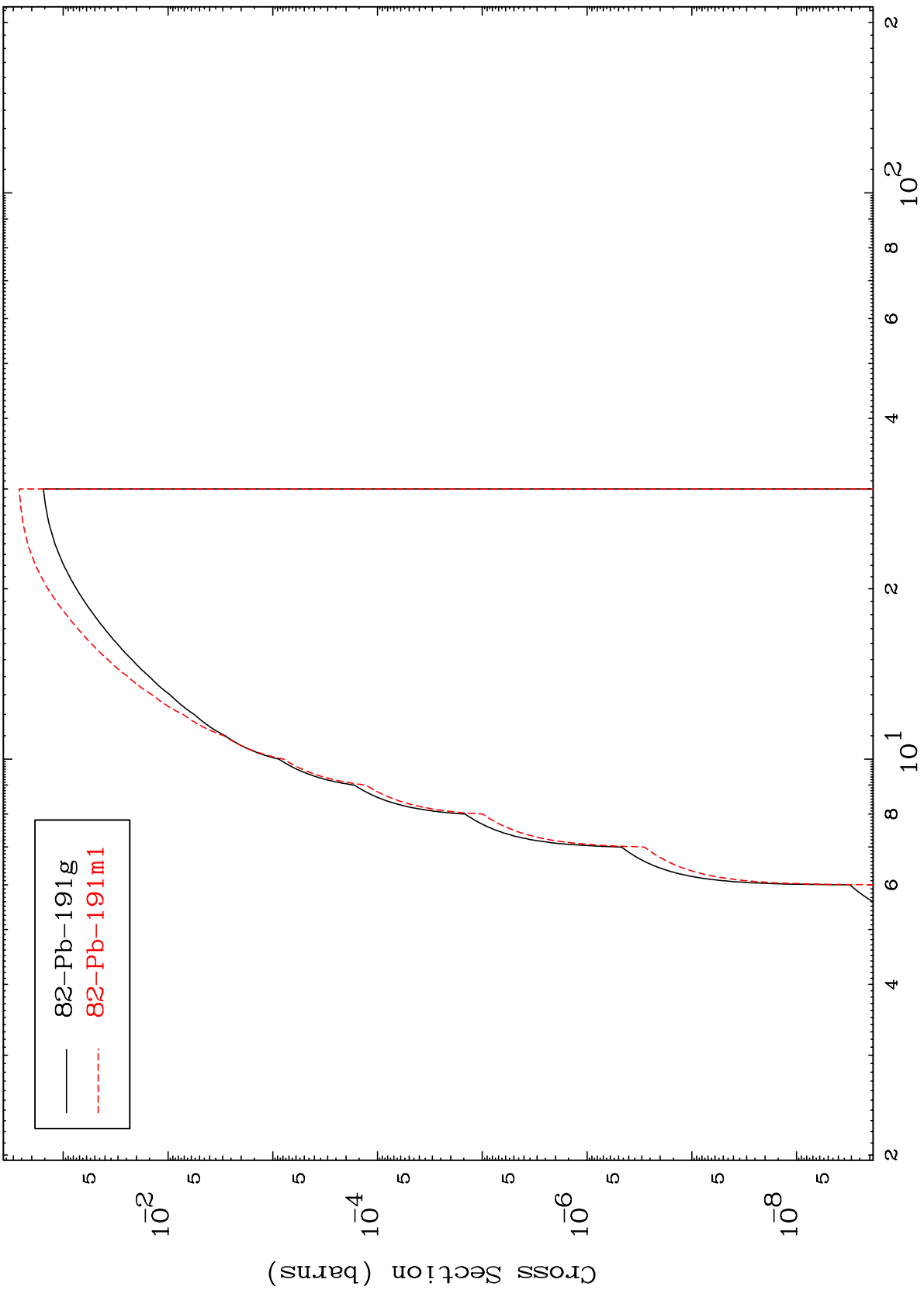
82-Pb-191m

MAT 8187

(n,n') p

82-Pb-191m

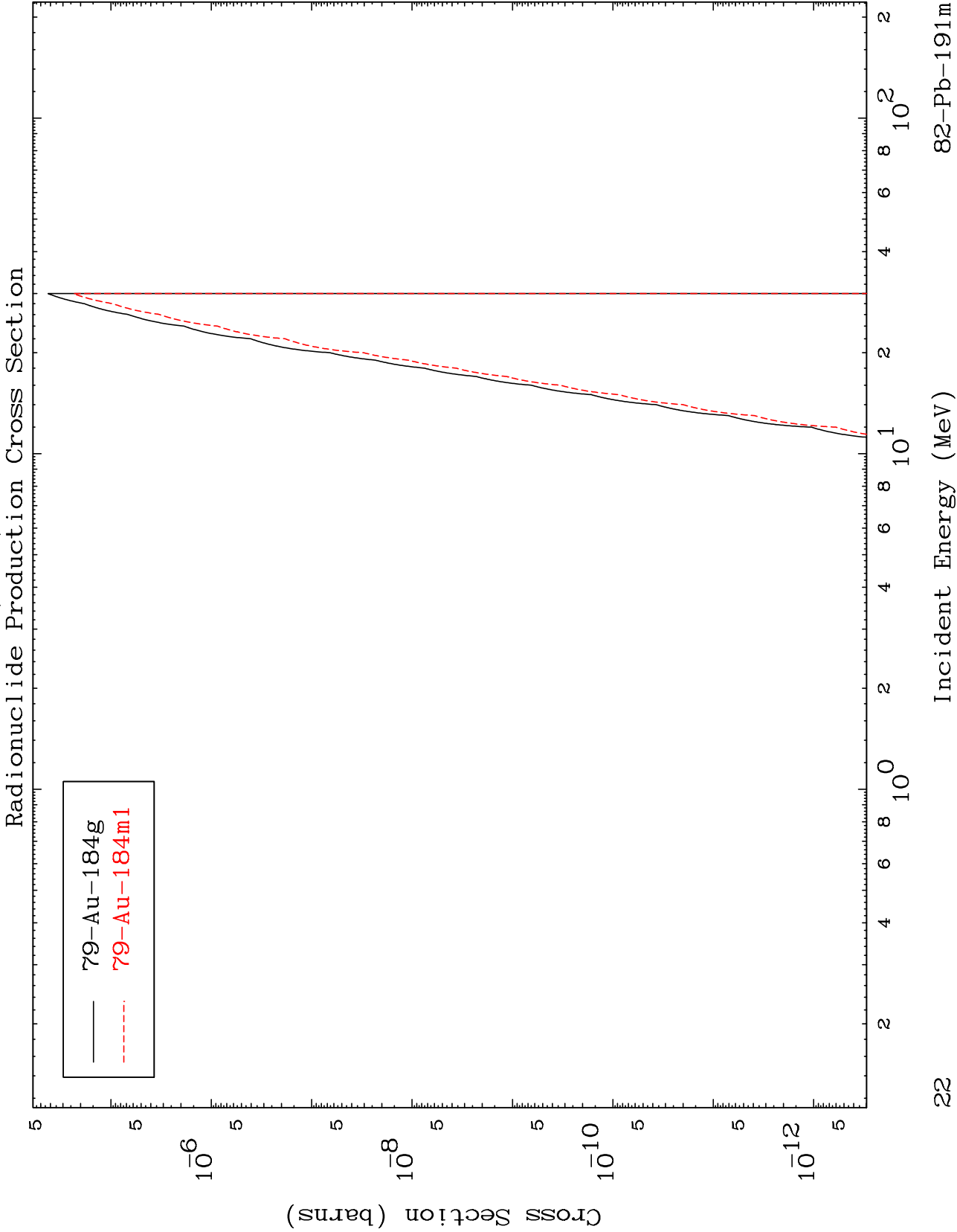
Radionuclide Production Cross Section



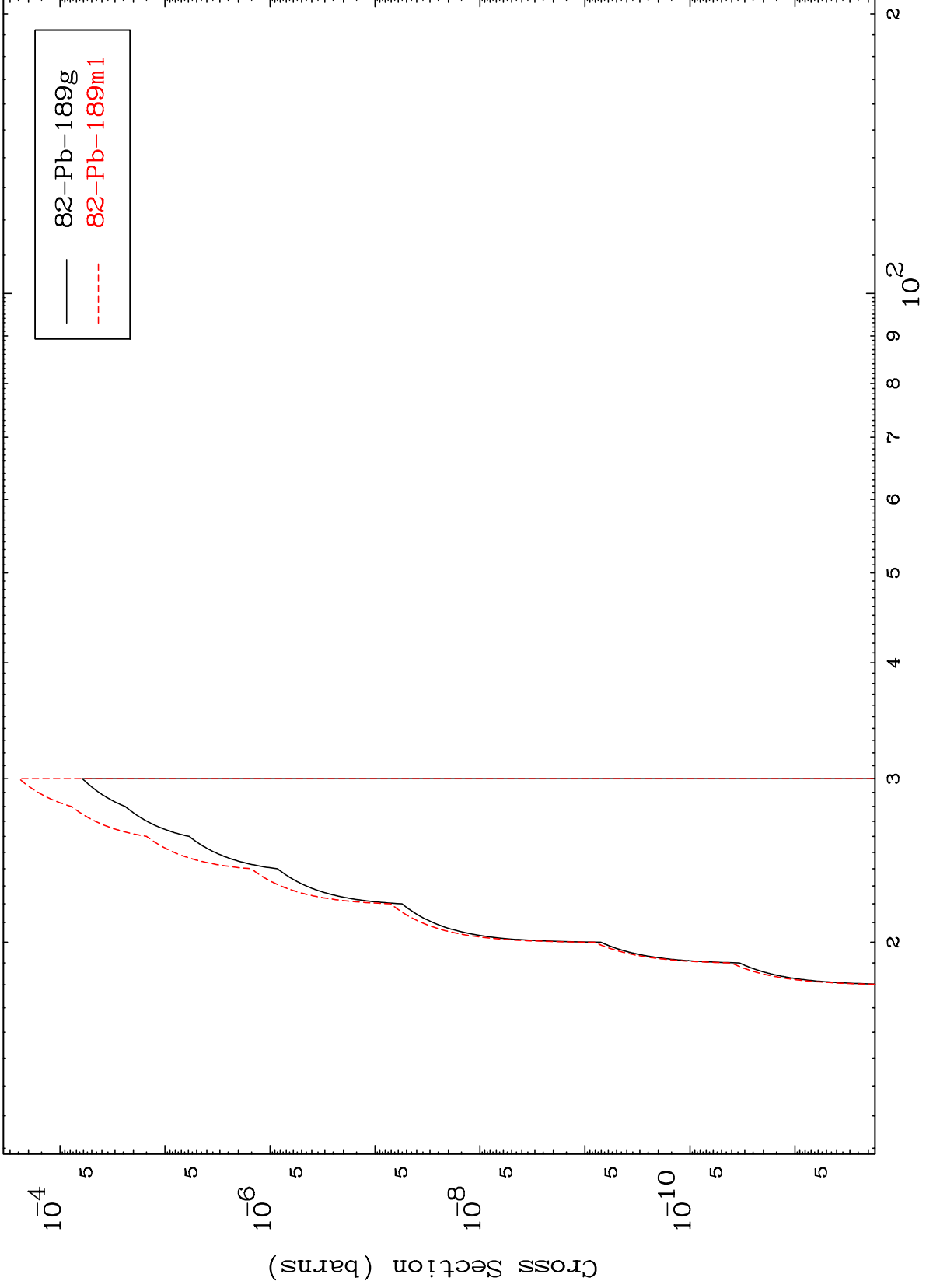
MAT 8187

(n, n') 2α

$^{82}\text{Pb}-191\text{m}$



Radionuclide Production Cross Section

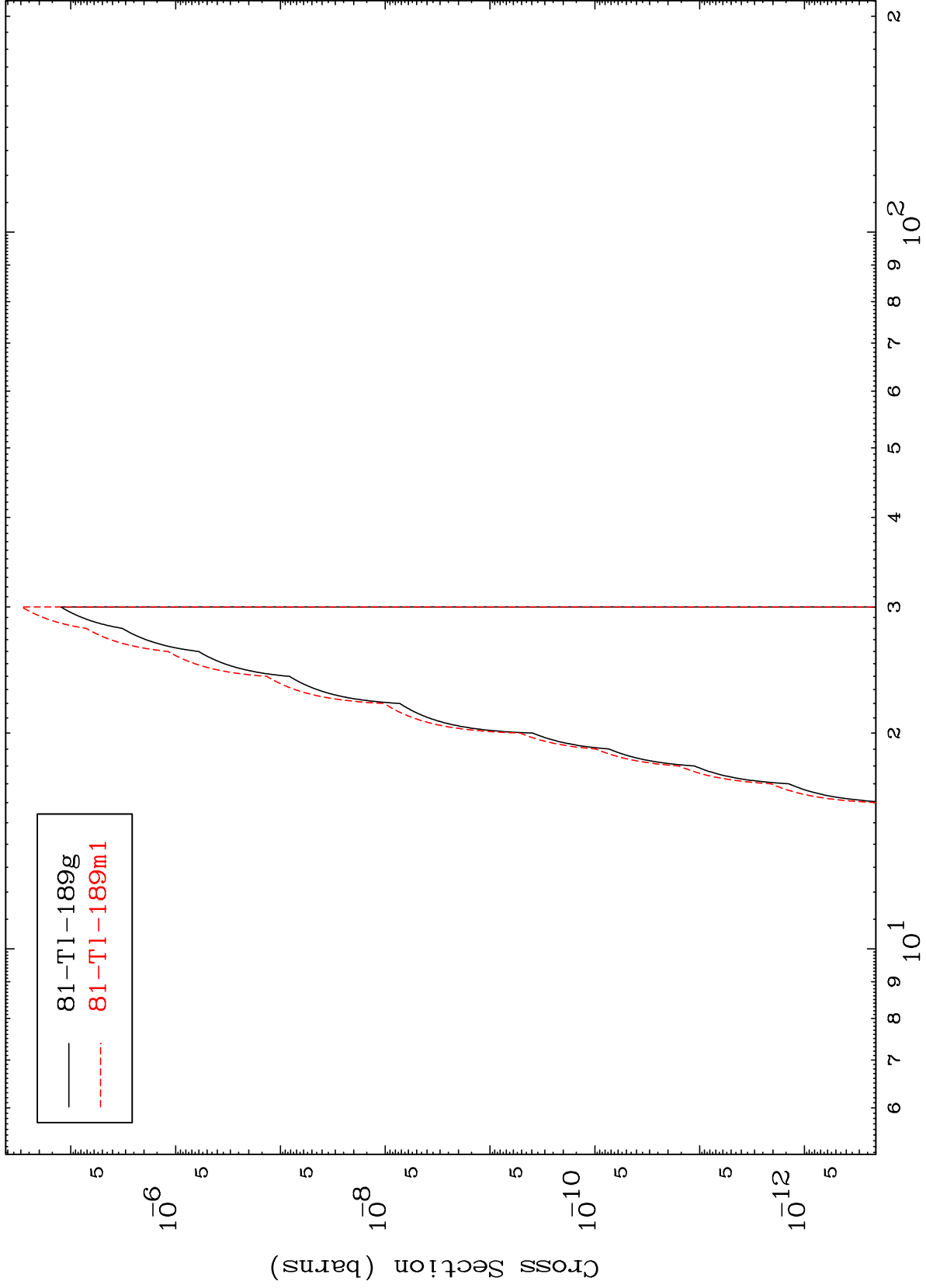


MAT 8187

(n,n') He-3

82-Pb-191m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

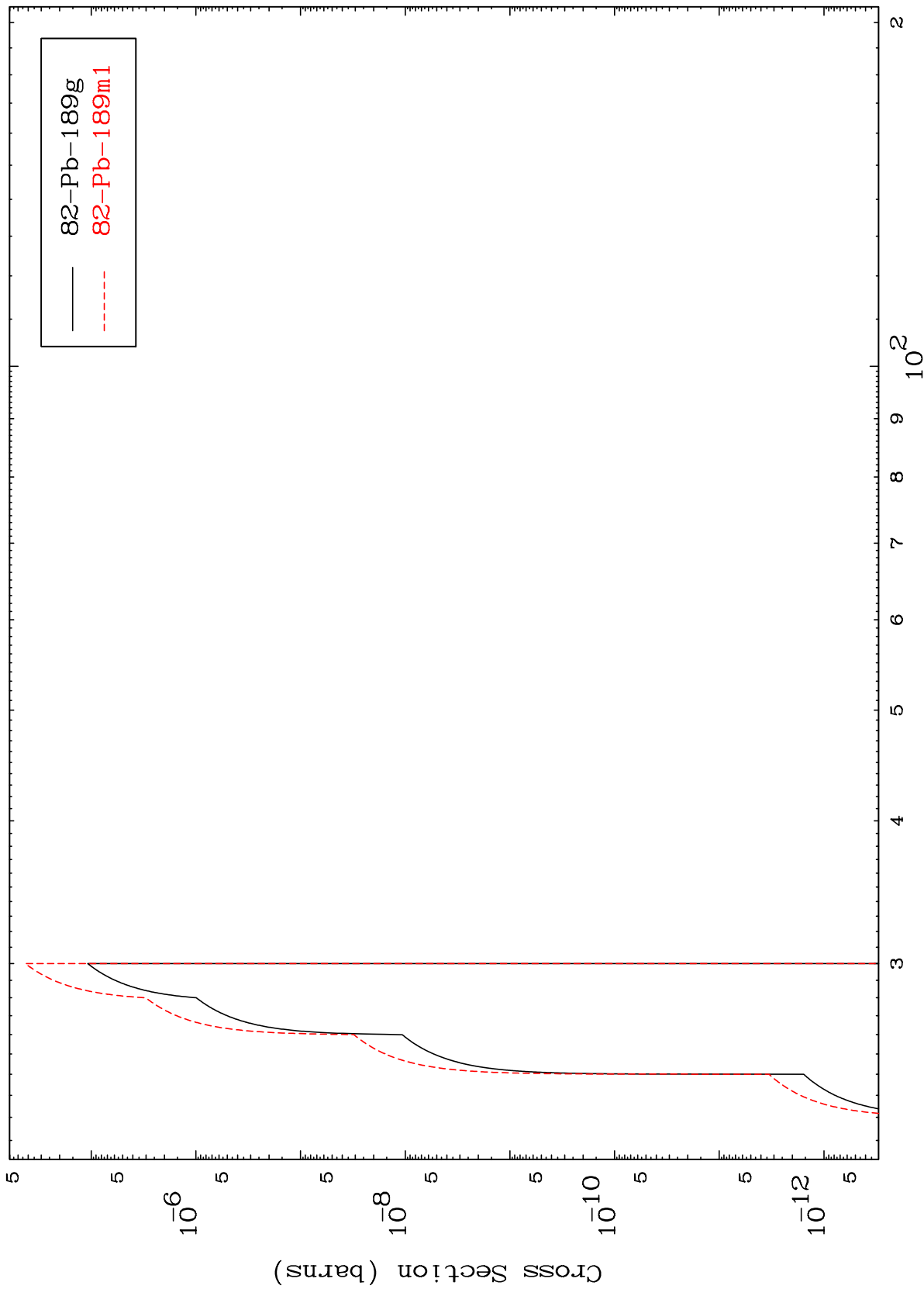
82-Pb-191m

MAT 8187

(n,3n) p

82-Pb-191m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

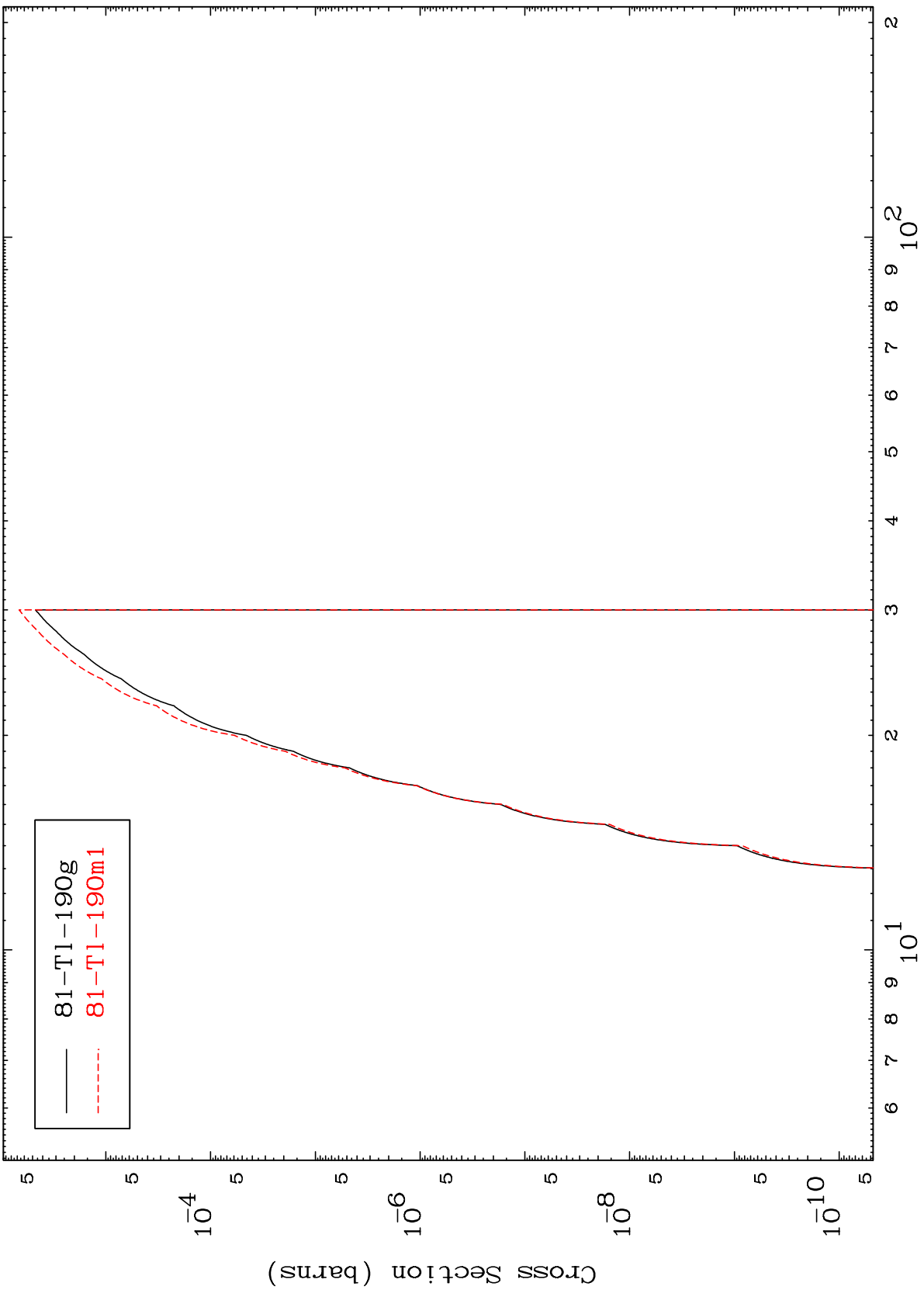
82-Pb-191m

MAT 8187

(n,2n) p

82-Pb-191m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

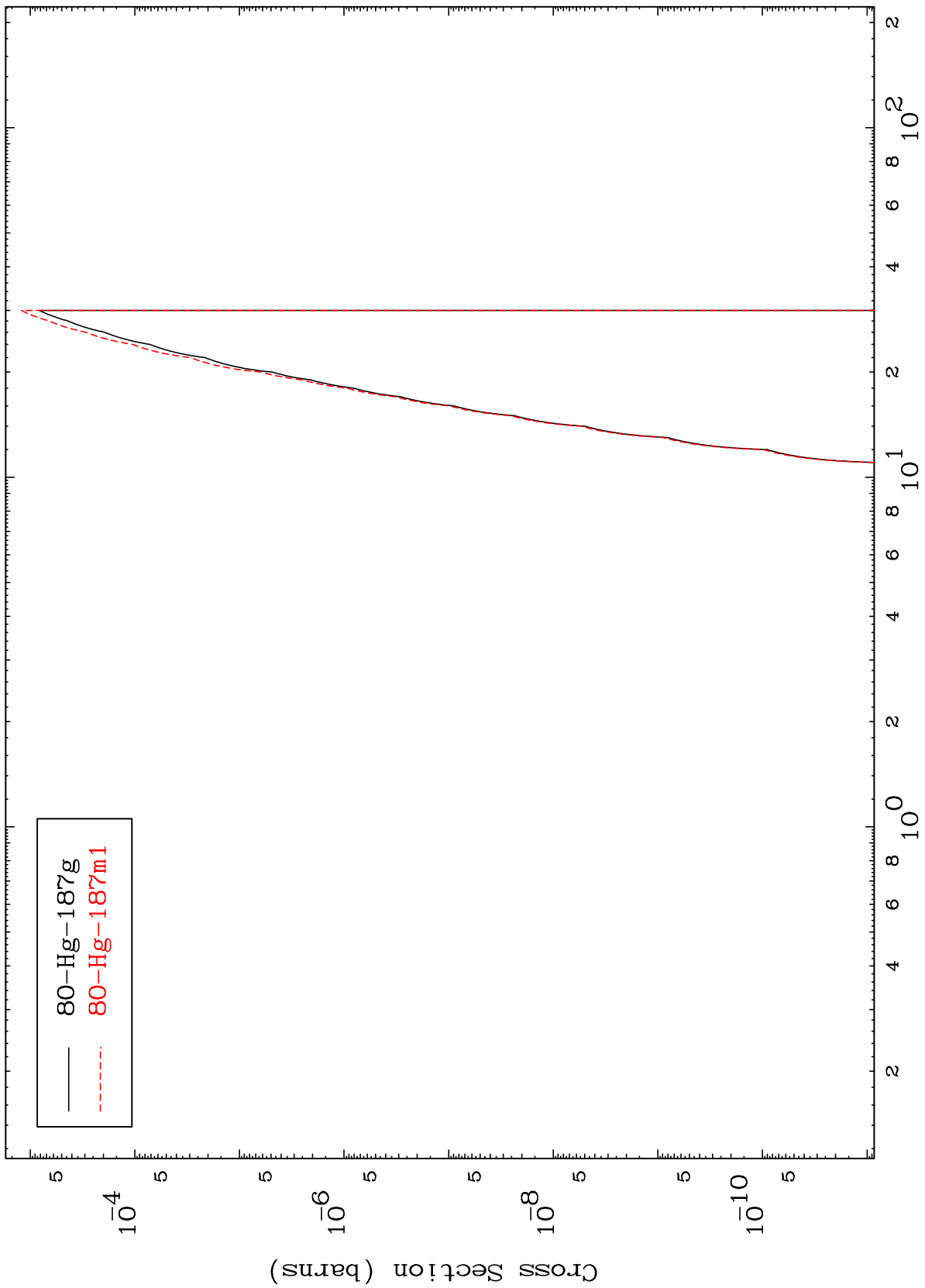
82-Pb-191m

MAT 8187

(n,n') p α

82-Pb-191m

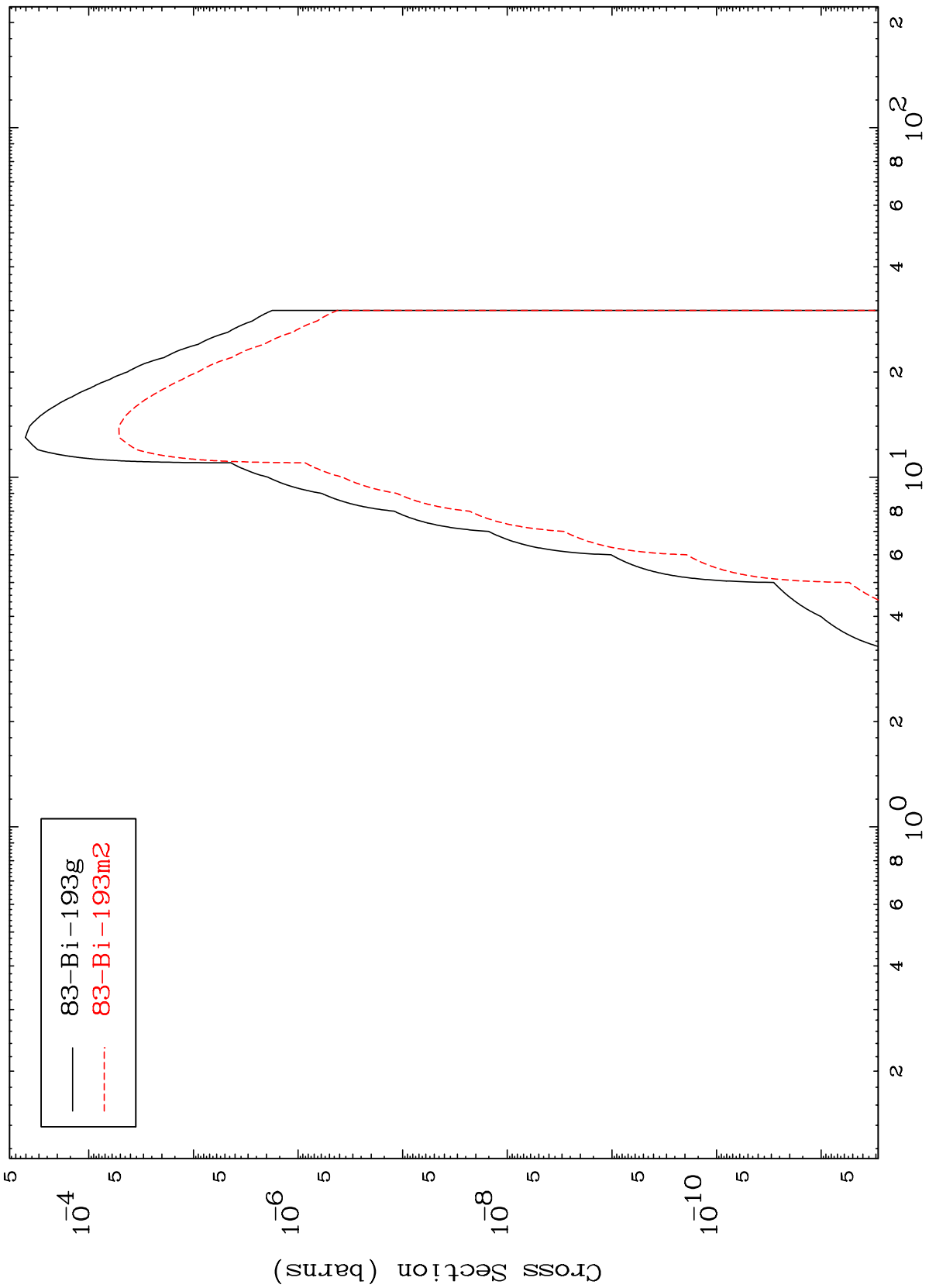
Radionuclide Production Cross Section



MAT 8187

82-Pb-191m

(n, γ)
Radionuclide Production Cross Section



— 83-Bi-193g
- - - 83-Bi-193m2

82-Pb-191m

Incident Energy (MeV)

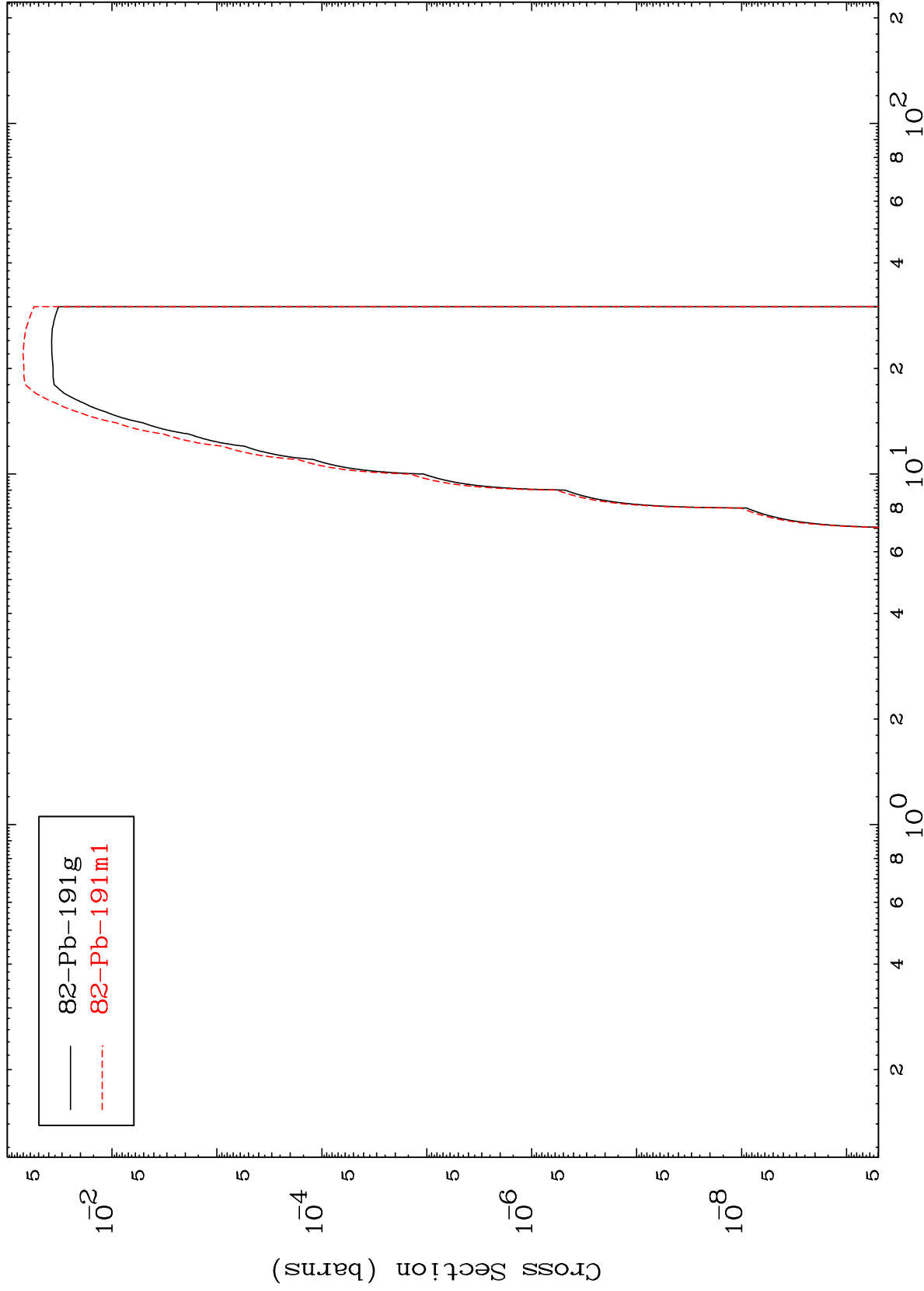
28

MAT 8187

(n, d)

⁸²Pb-191m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

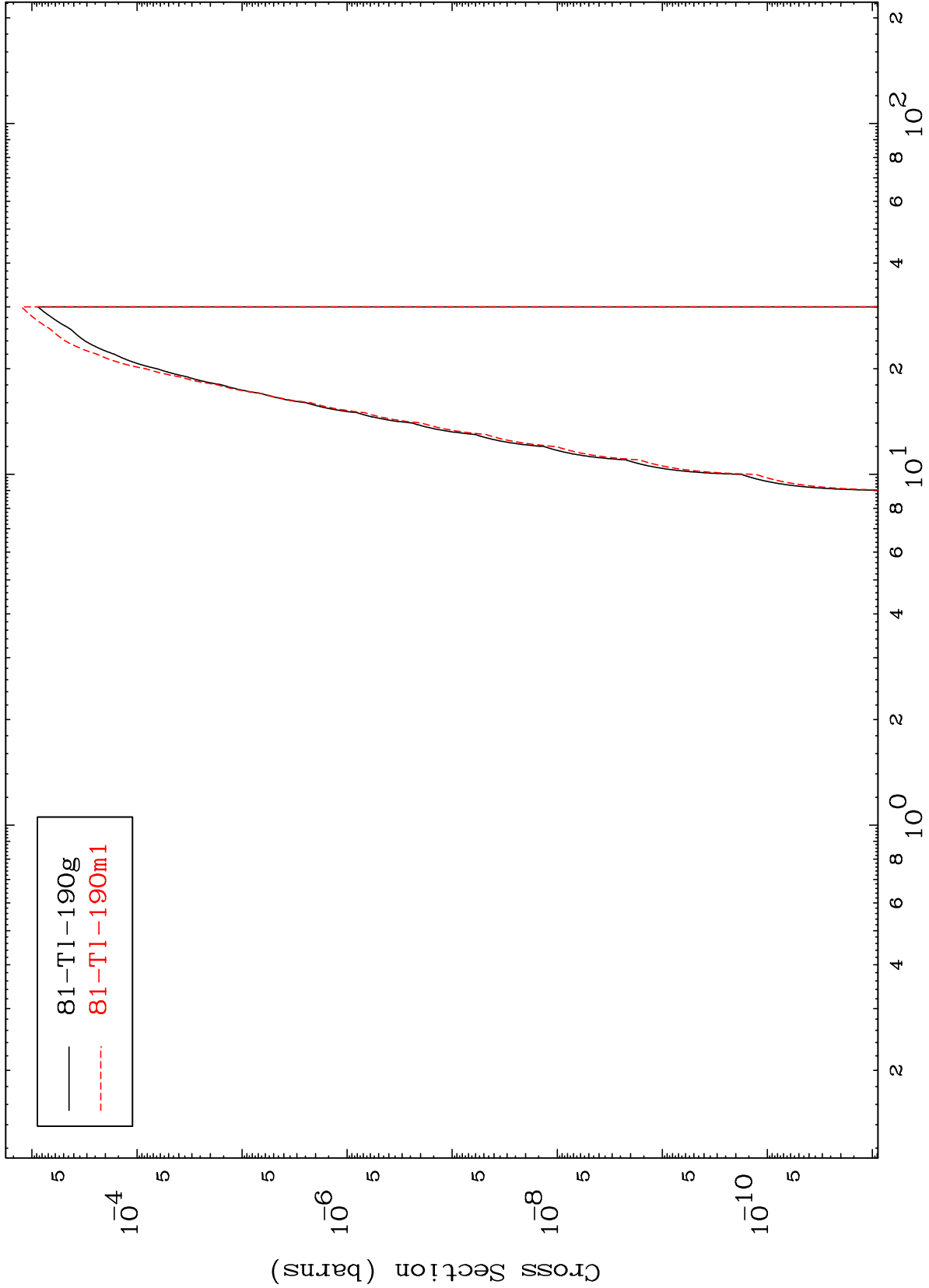
⁸²Pb-191m

MAT 8187

(n,He-3)

82-Pb-191m

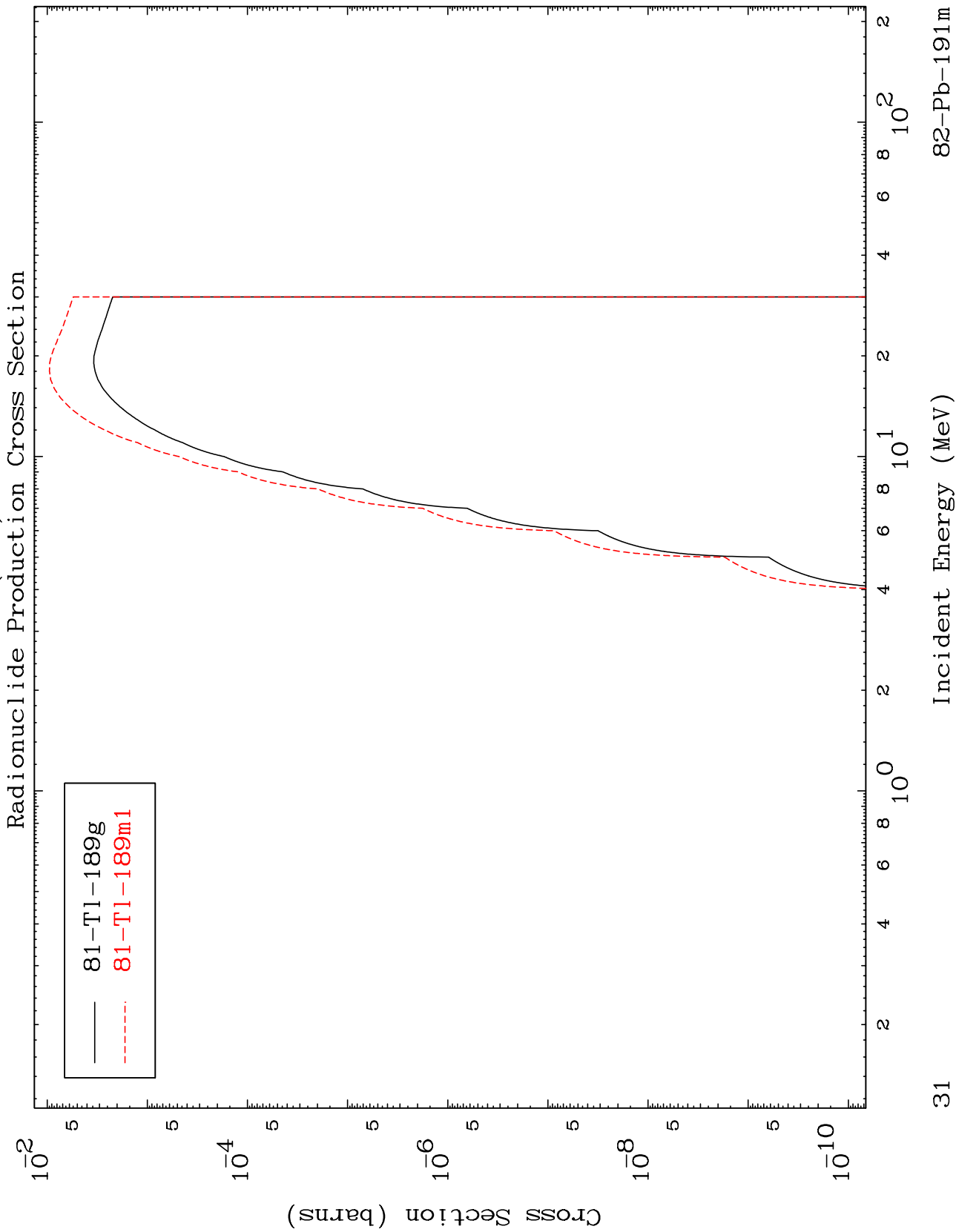
Radionuclide Production Cross Section



MAT 8187

(n, α)

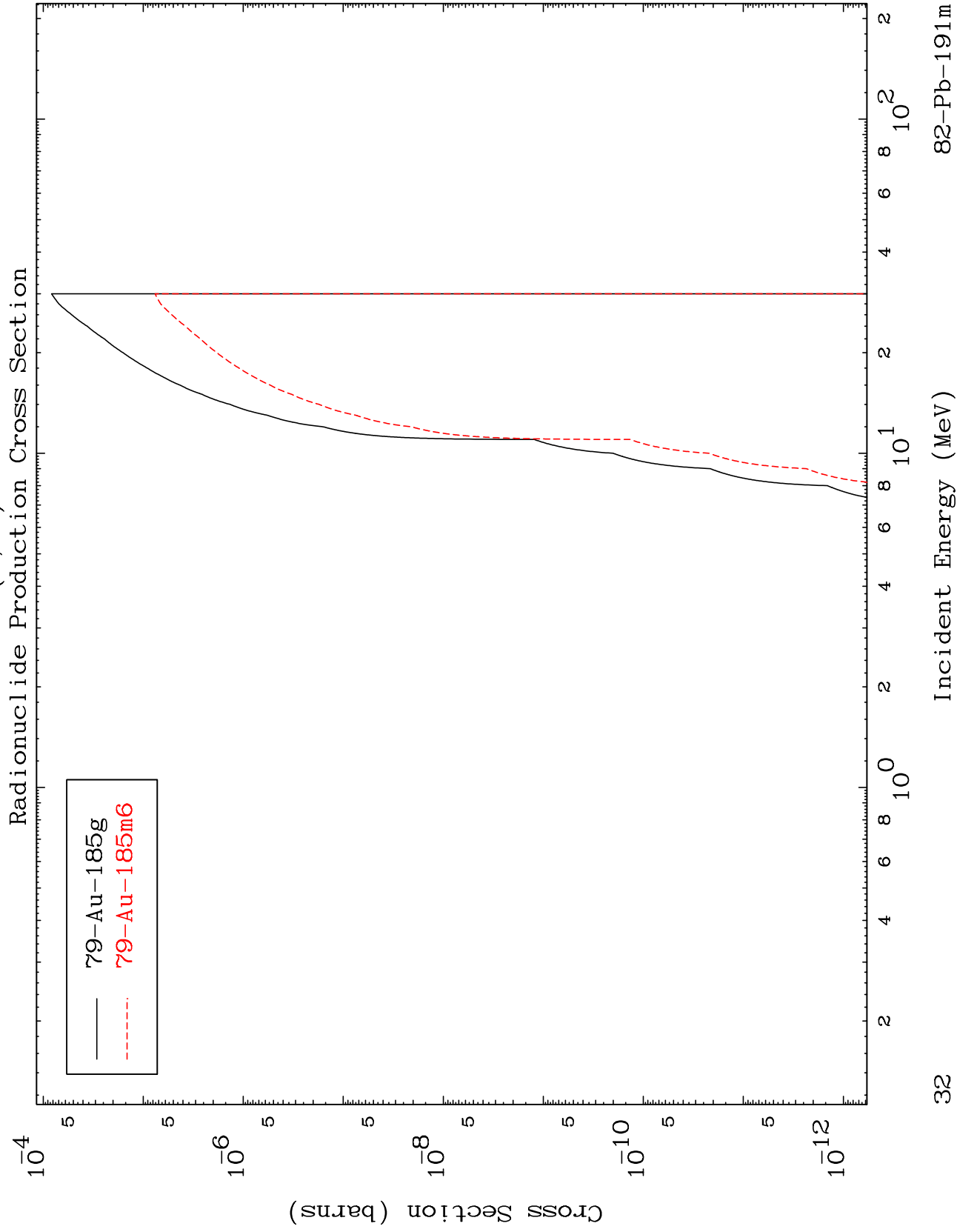
82-Pb-191m



MAT 8187

(n,2α)

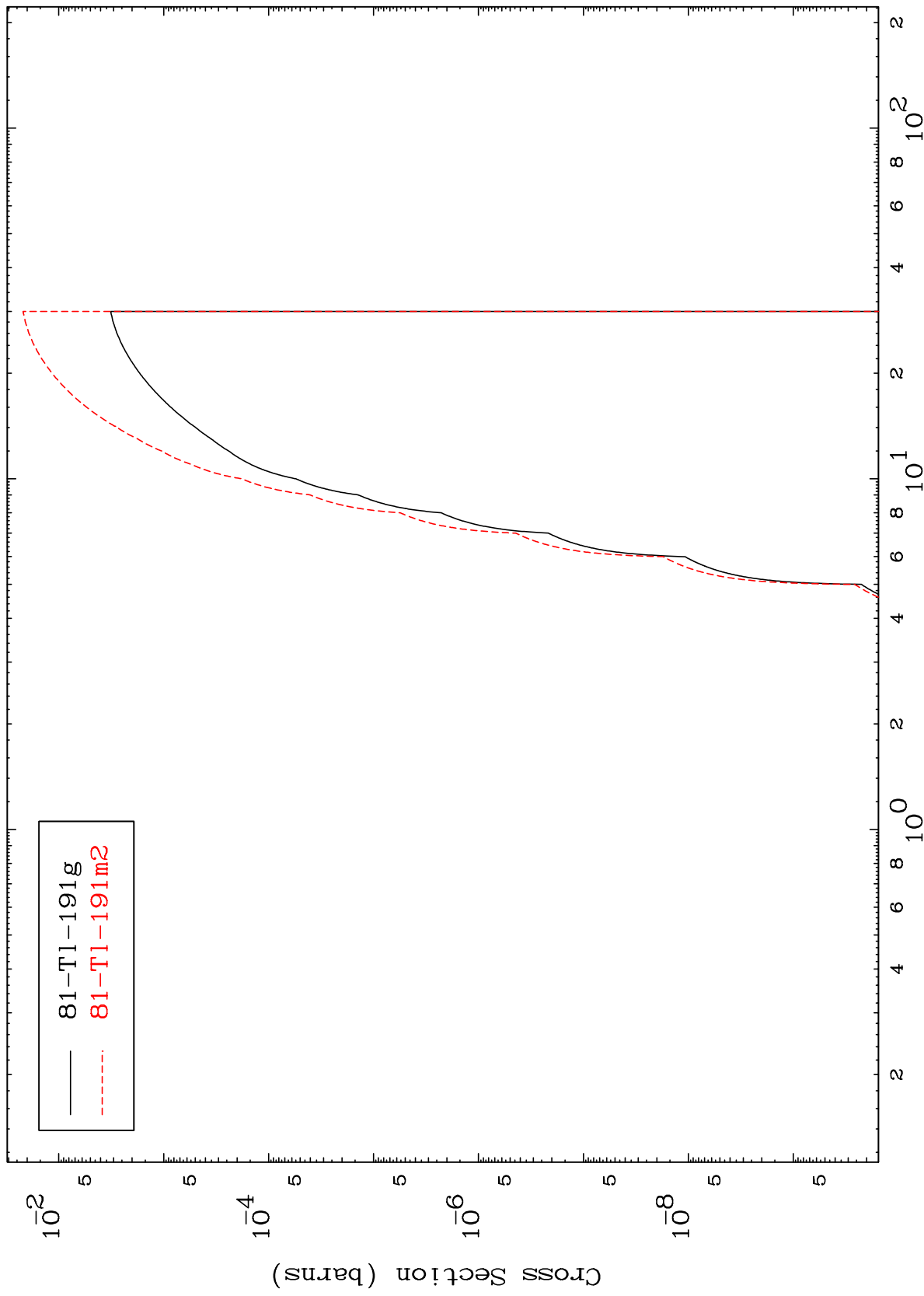
82-Pb-191m



MAT 8187

82-Pb-191m

Radionuclide Production Cross Section
(n,2p)



82-Pb-191m

Incident Energy (MeV)

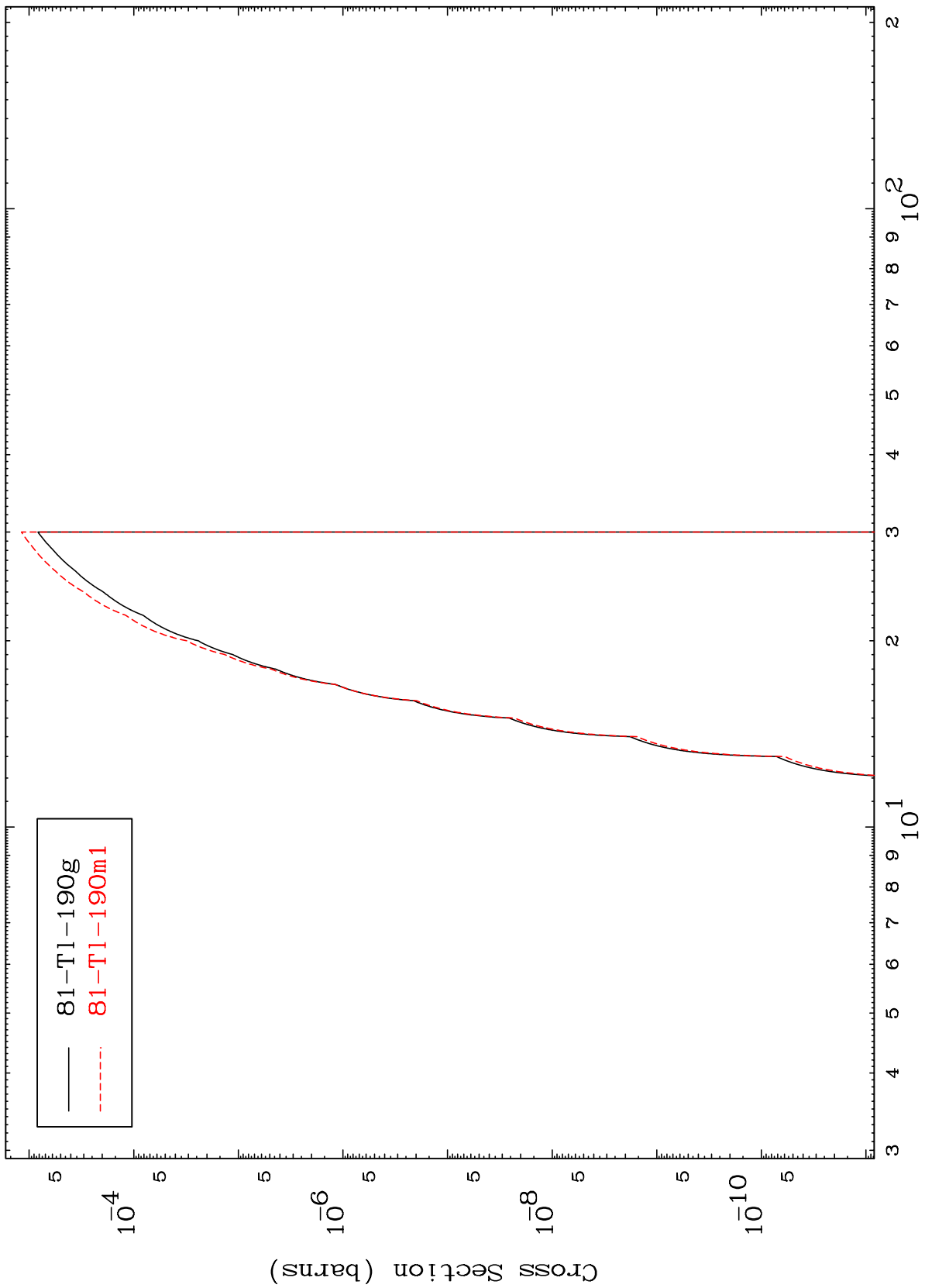
33

MAT 8187

(n,p) d

82-Pb-191m

Radionuclide Production Cross Section



Incident Energy (MeV)

82-Pb-191m

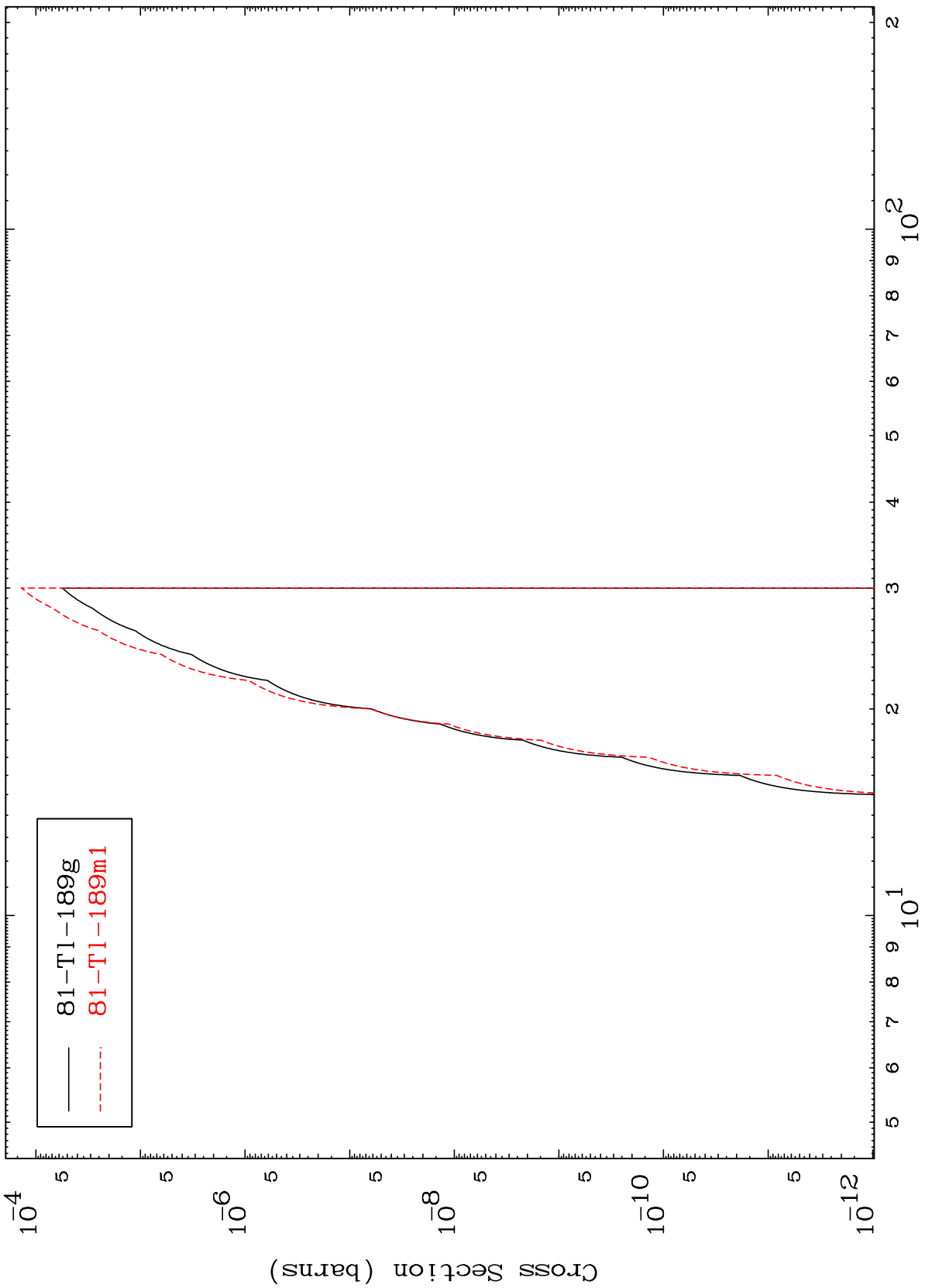
34

MAT 8187

(n,p) t

82-Pb-191m

Radionuclide Production Cross Section



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

Incident Energy (MeV)

82-Pb-191m

35

MAT 8187

(n,d) α

82-Pb-191m

