

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

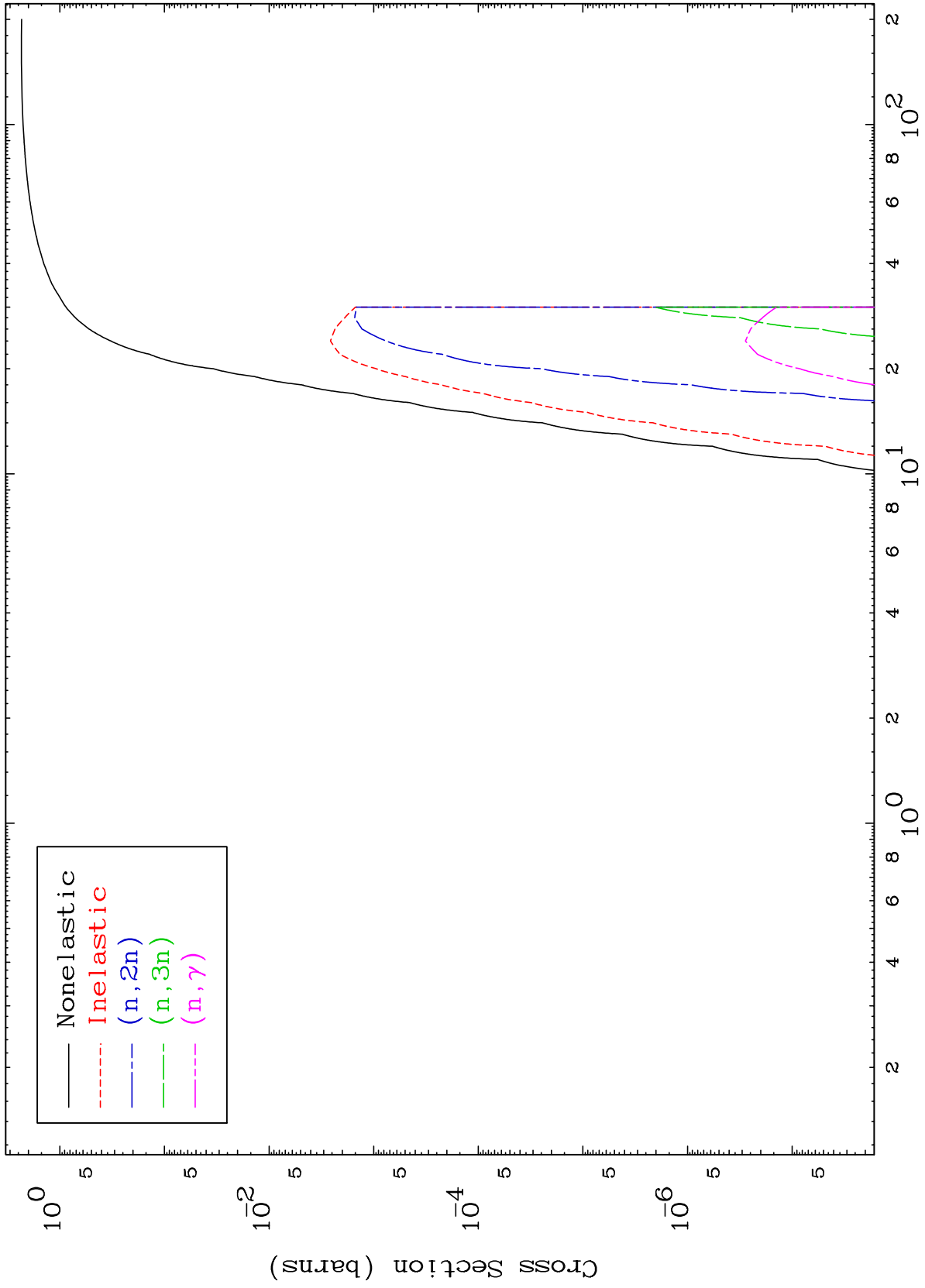
Press Mouse Button to Start

MAT 8083

He-3 Major

81-Tl-189

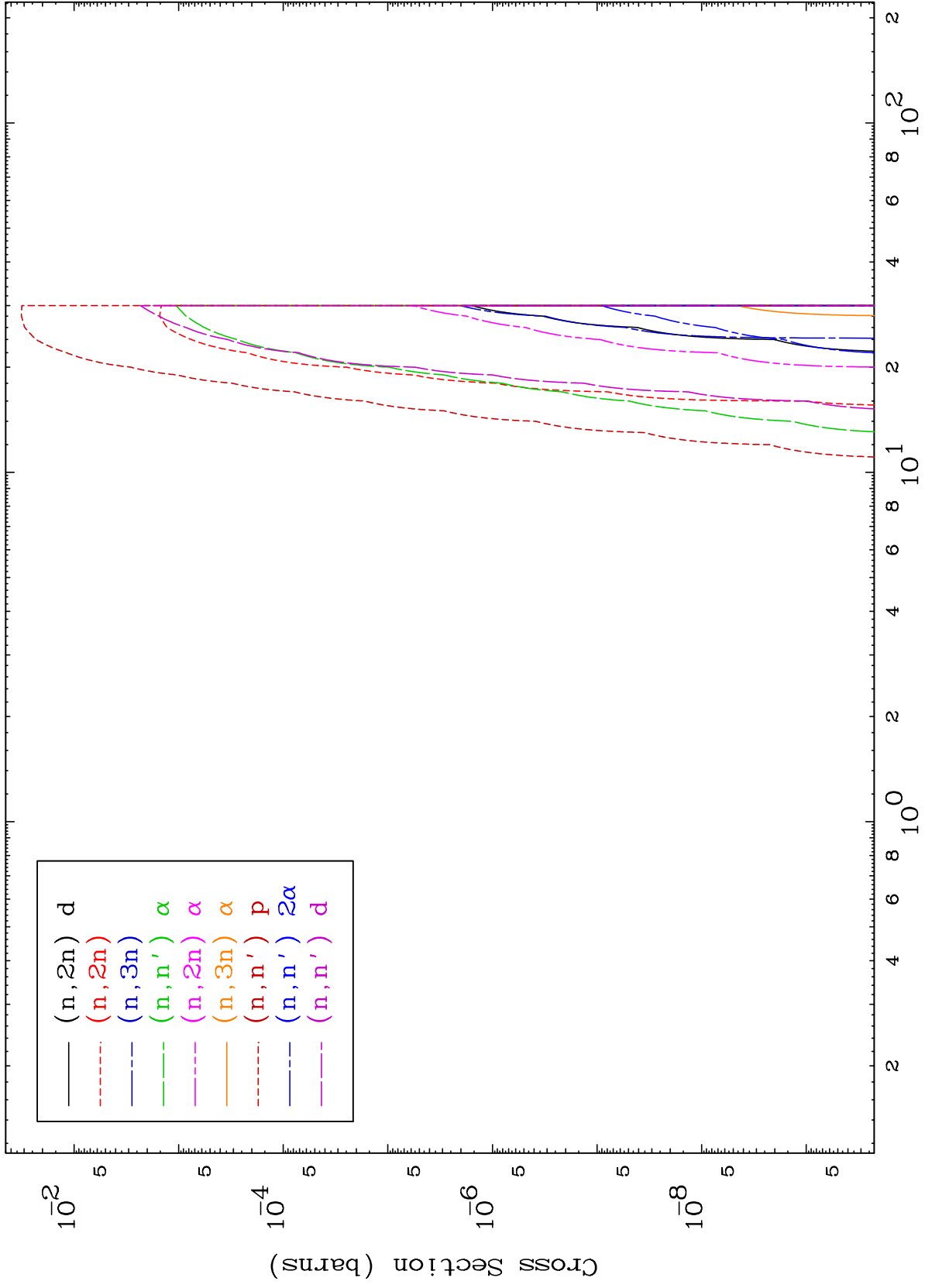
0 Kelvin Cross Sections



MAT 8083

He-3 Neutron Absorption
0 Kelvin Cross Sections

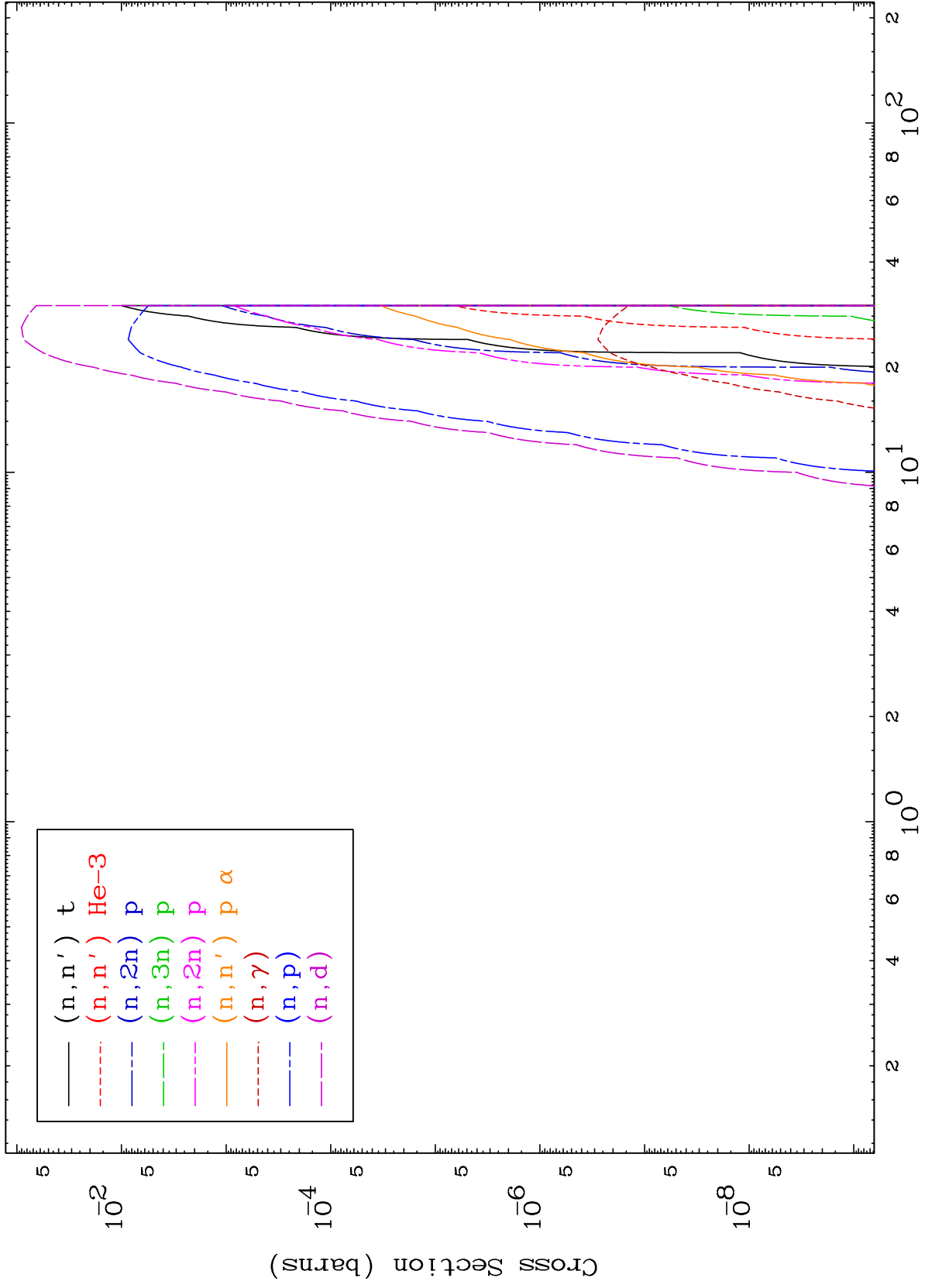
81-Tl-189



MAT 8083

He-3 Neutron Absorption
0 Kelvin Cross Sections

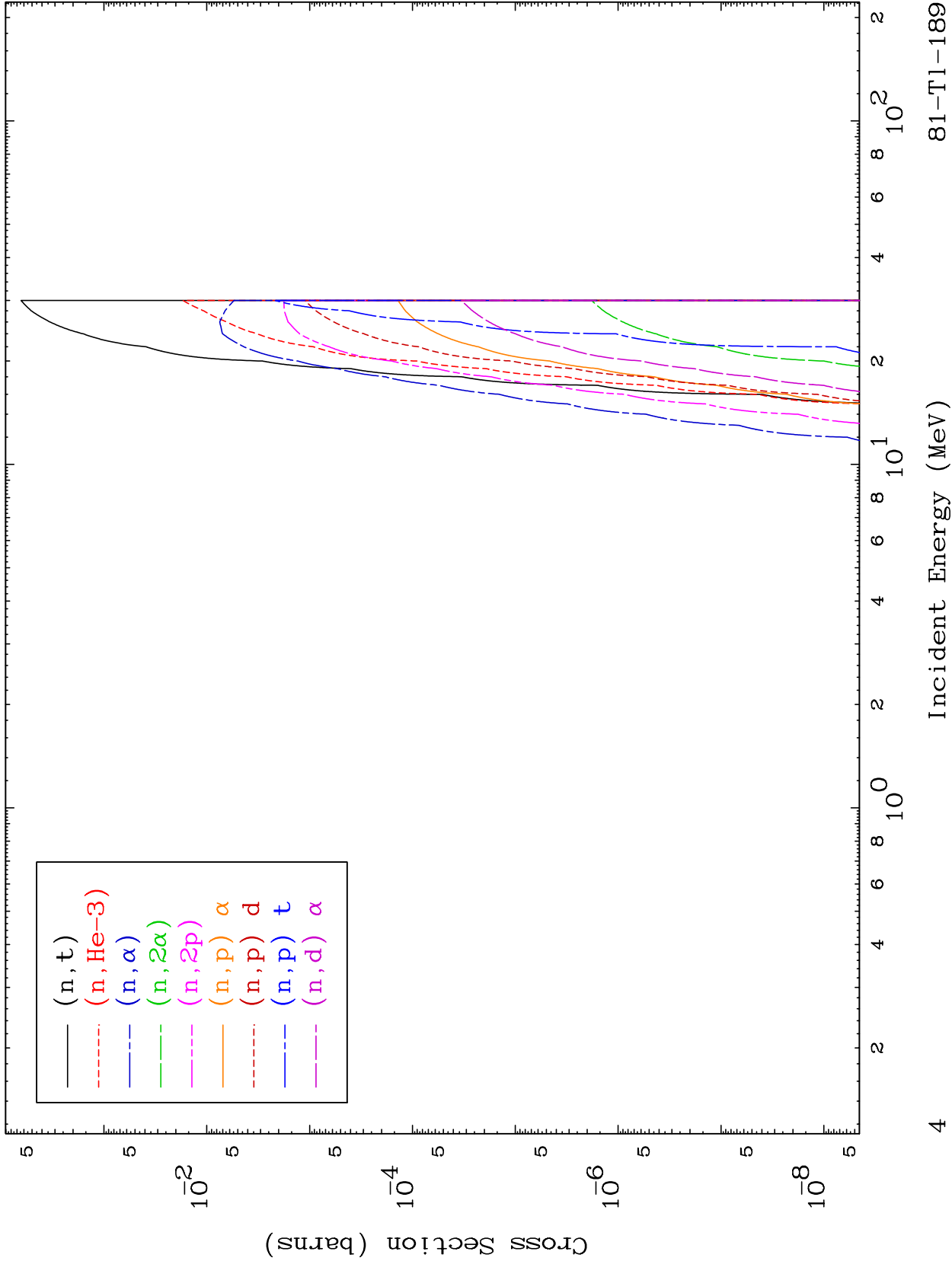
81-Tl-189

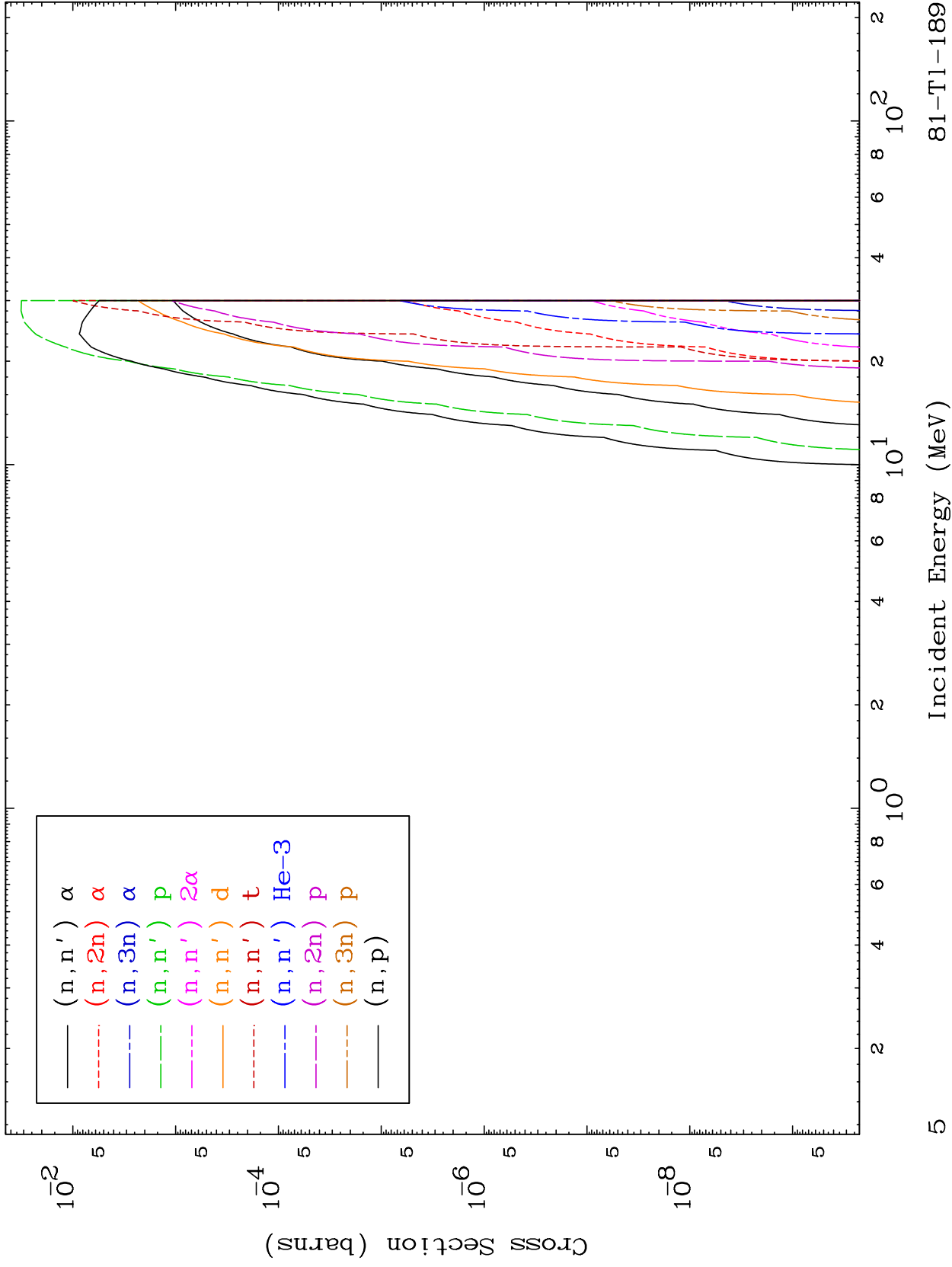


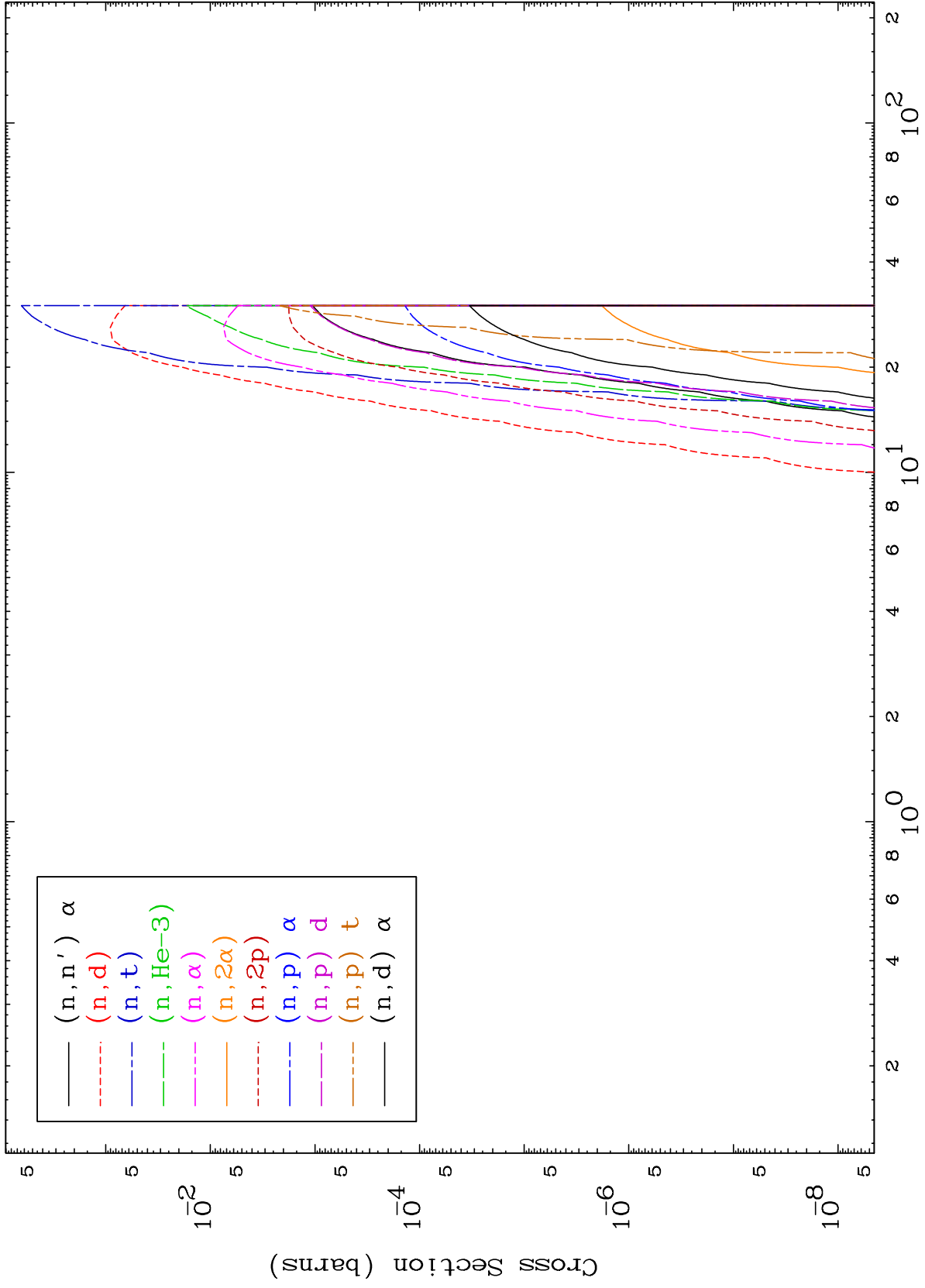
MAT 8083

He-3 Neutron Absorption
0 Kelvin Cross Sections

81-Tl-189



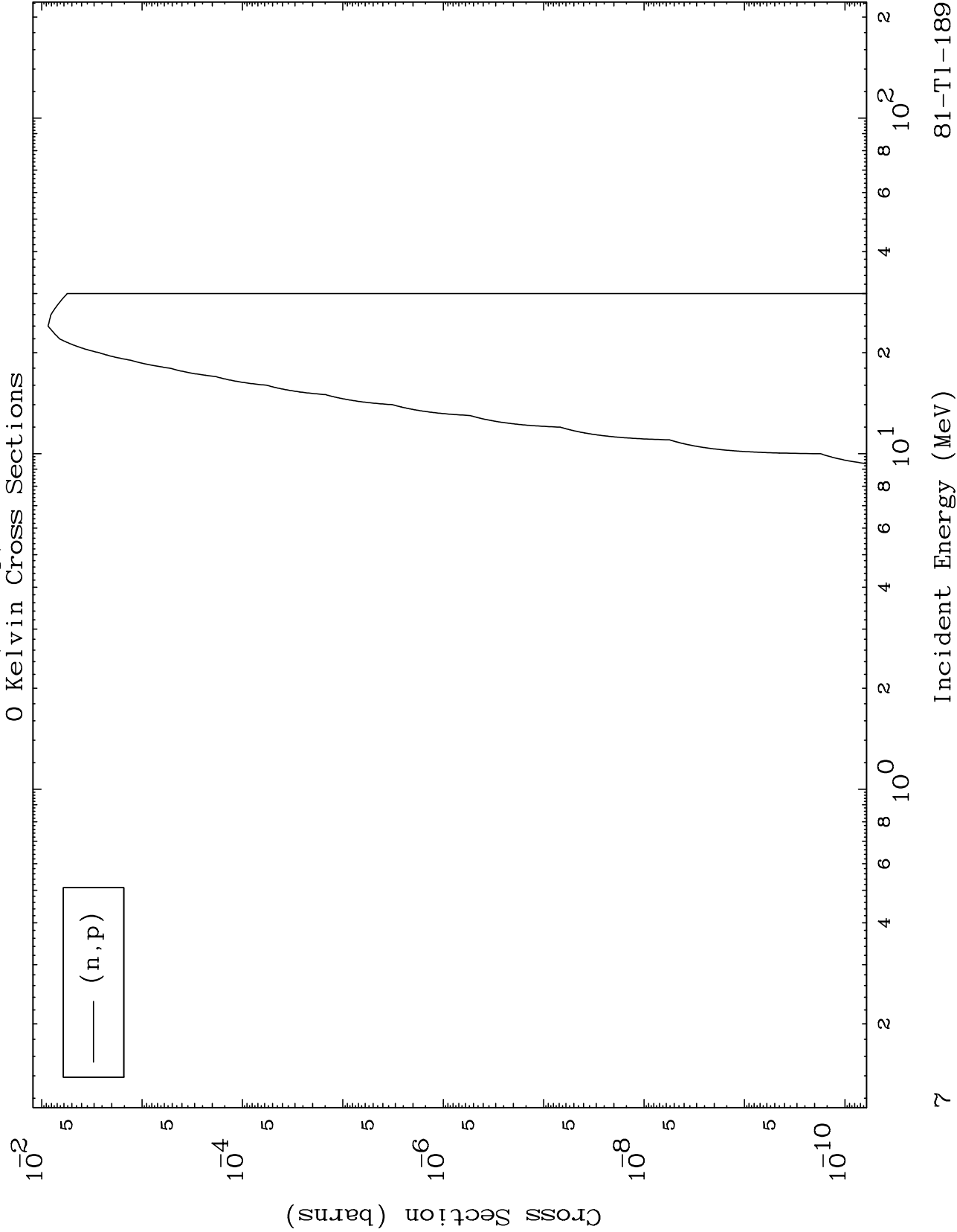




MAT 8083

(He-3,p) Levels

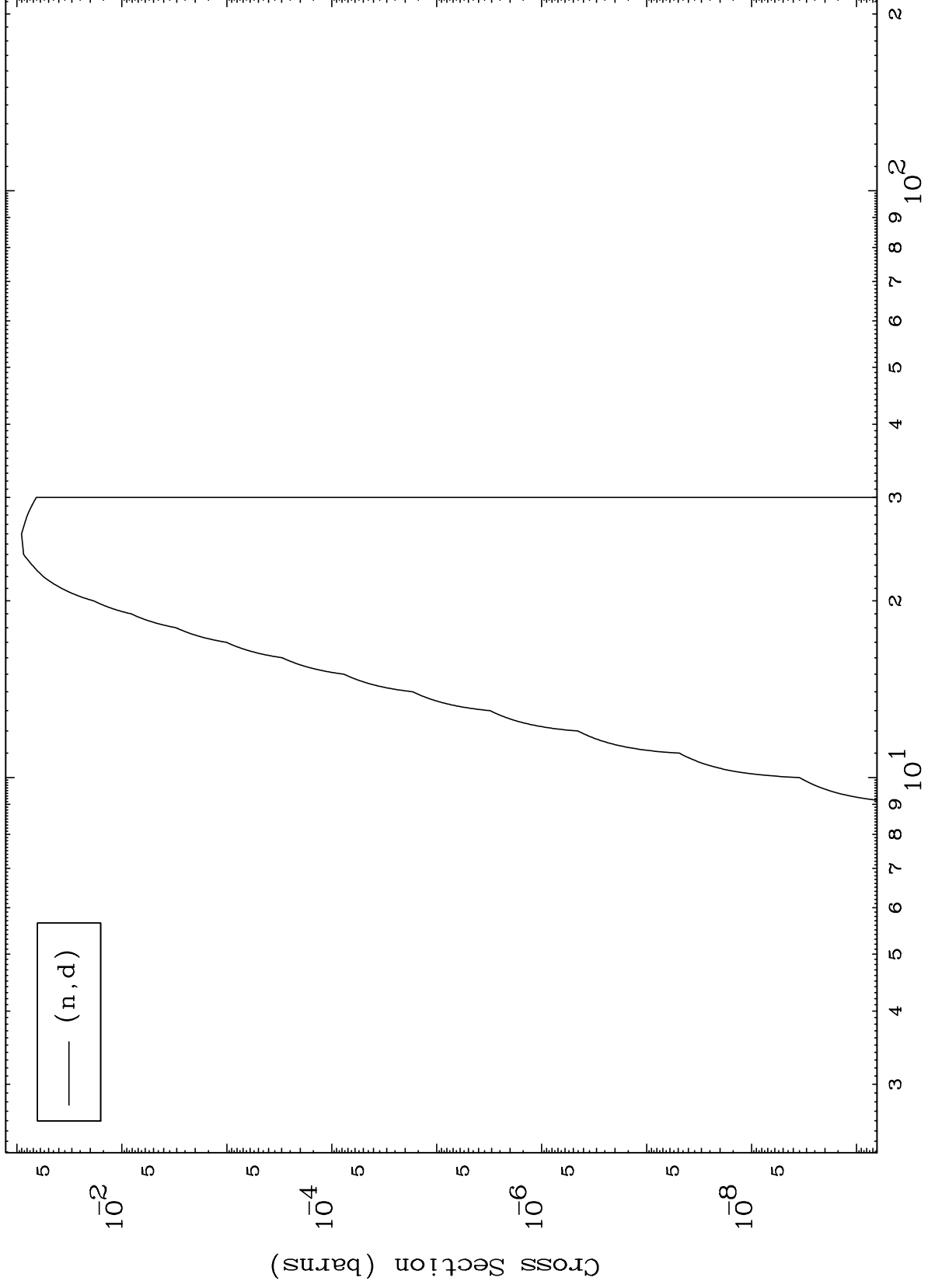
81-Tl-189



MAT 8083

(He-3,d) Levels
0 Kelvin Cross Sections

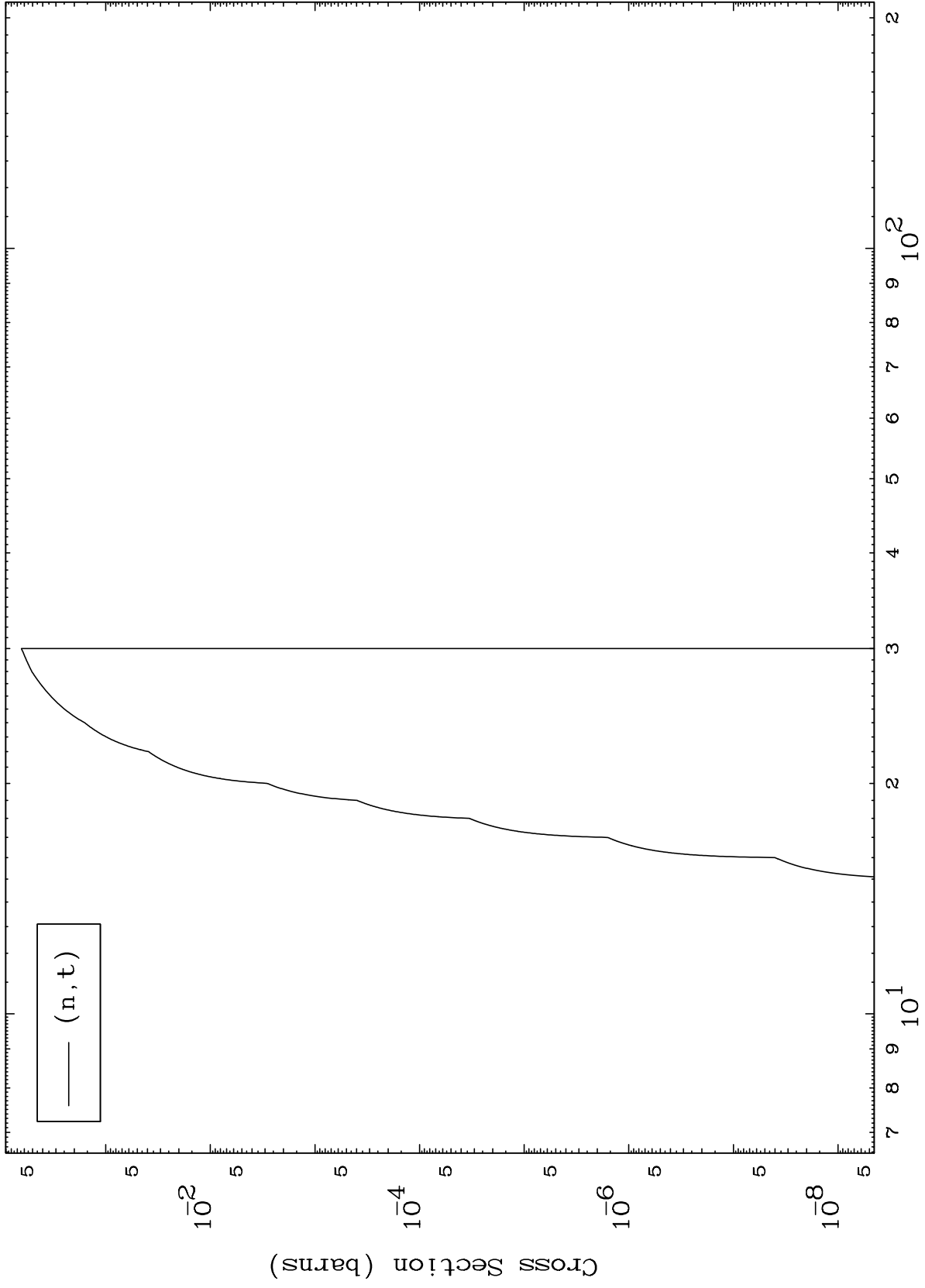
81-Tl-189



MAT 8083

(He-3,t) Levels
0 Kelvin Cross Sections

81-T1-189



9

Incident Energy (MeV)

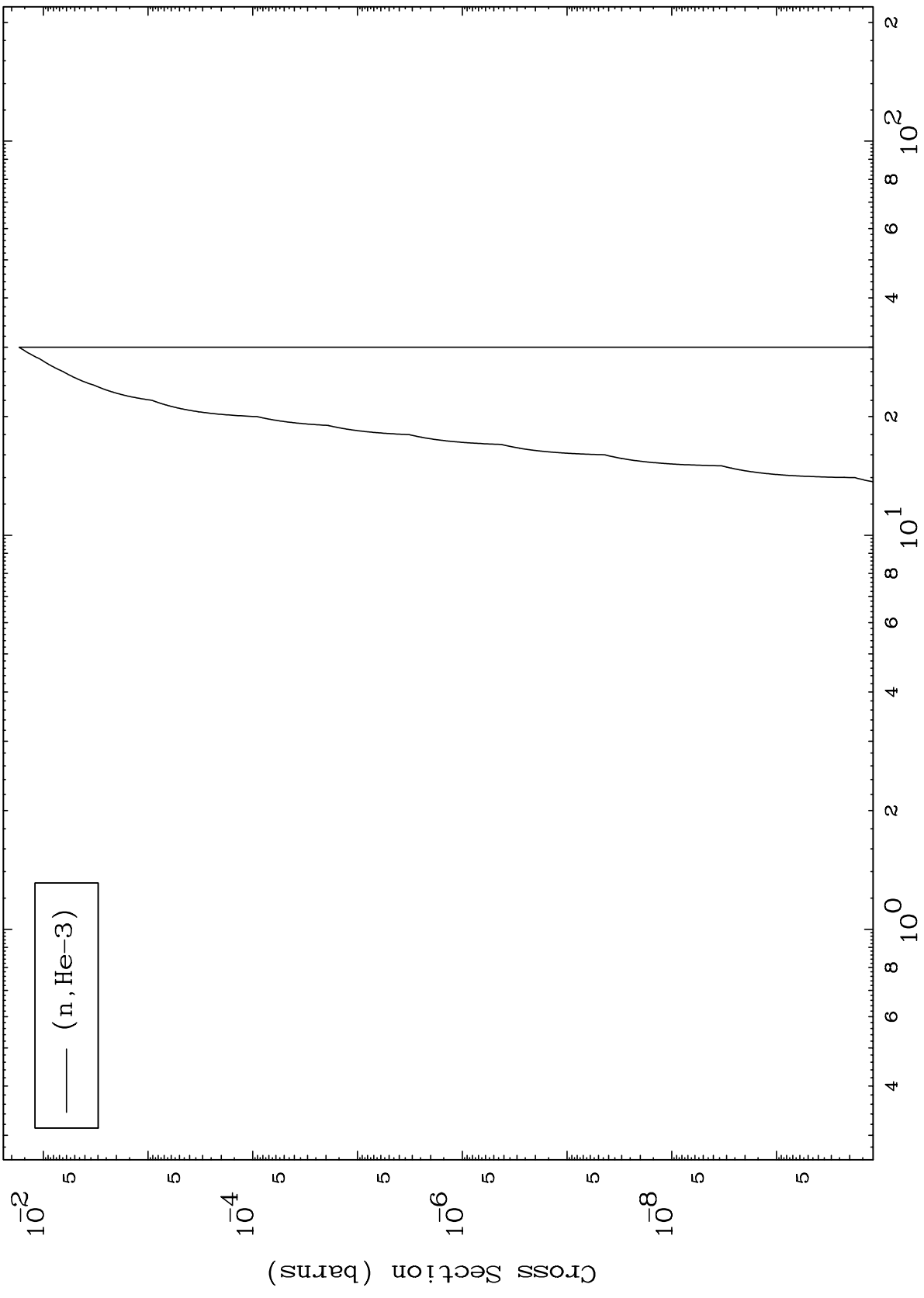
81-T1-189

MAT 8083

(He-3, He3) Levels

81-T1-189

0 Kelvin Cross Sections



10

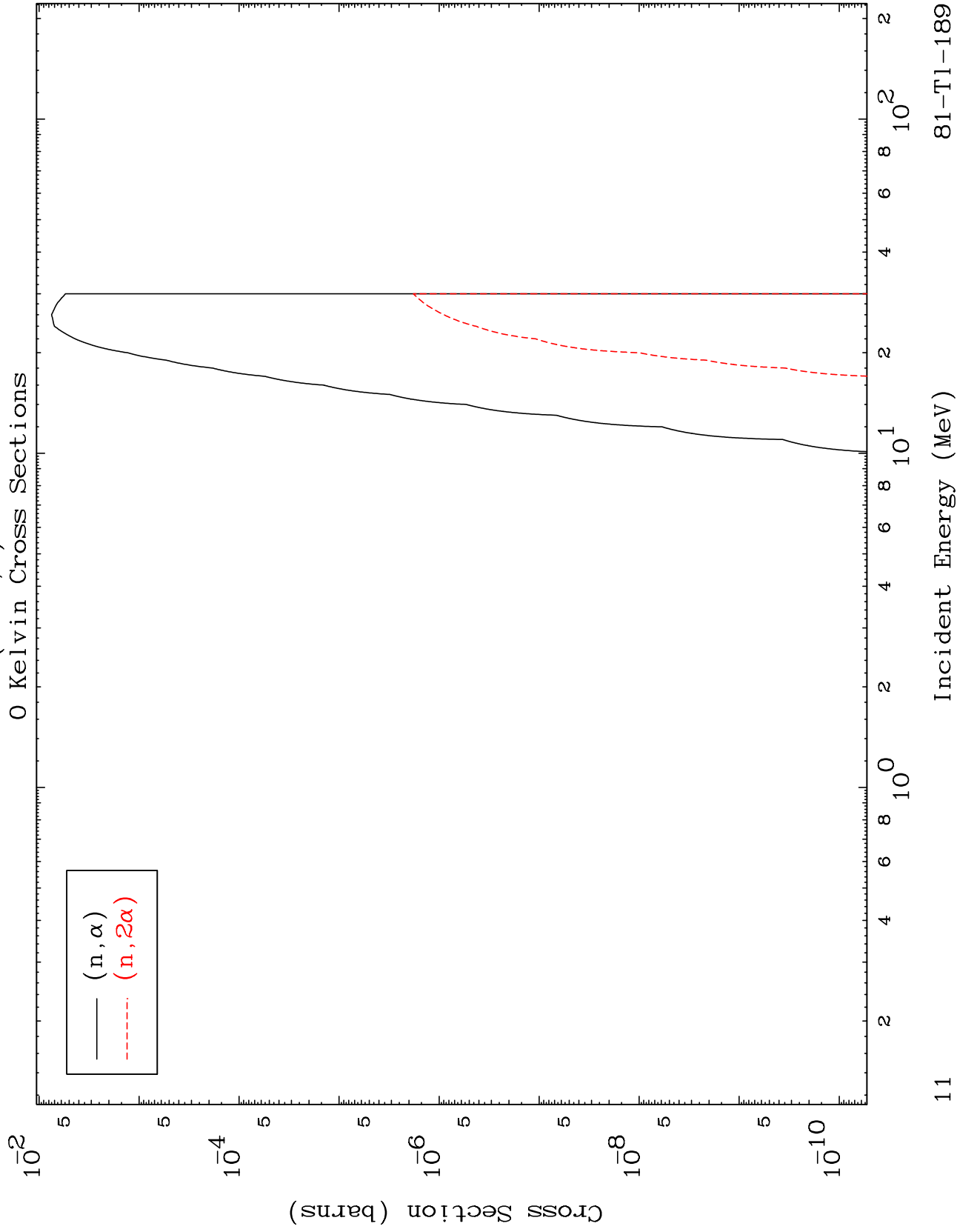
Incident Energy (MeV)

81-T1-189

MAT 8083

(He-3, α) Levels

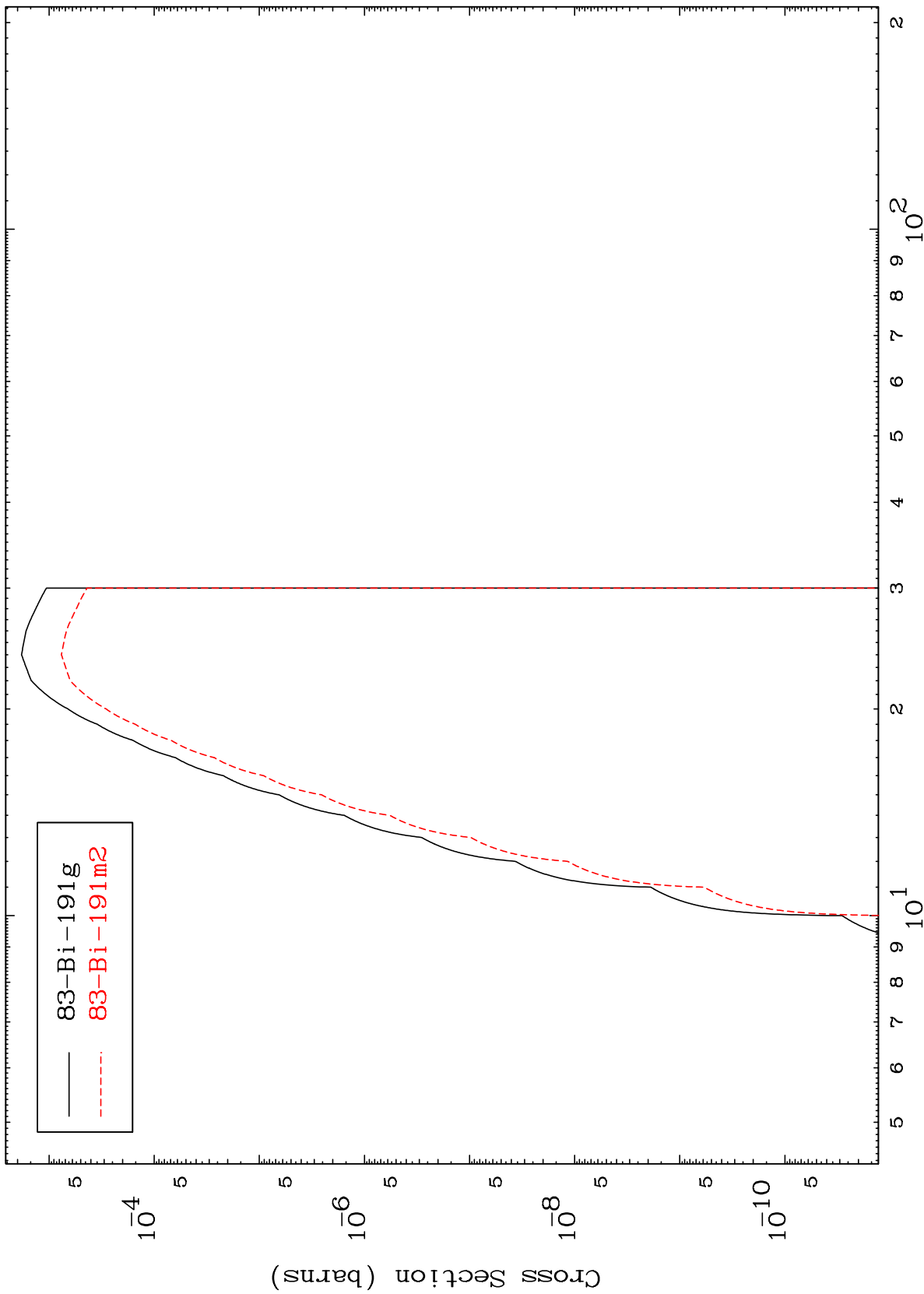
81-Tl-189



MAT 8083

81-Tl-189

Inelastic
Radionuclide Production Cross Section



12

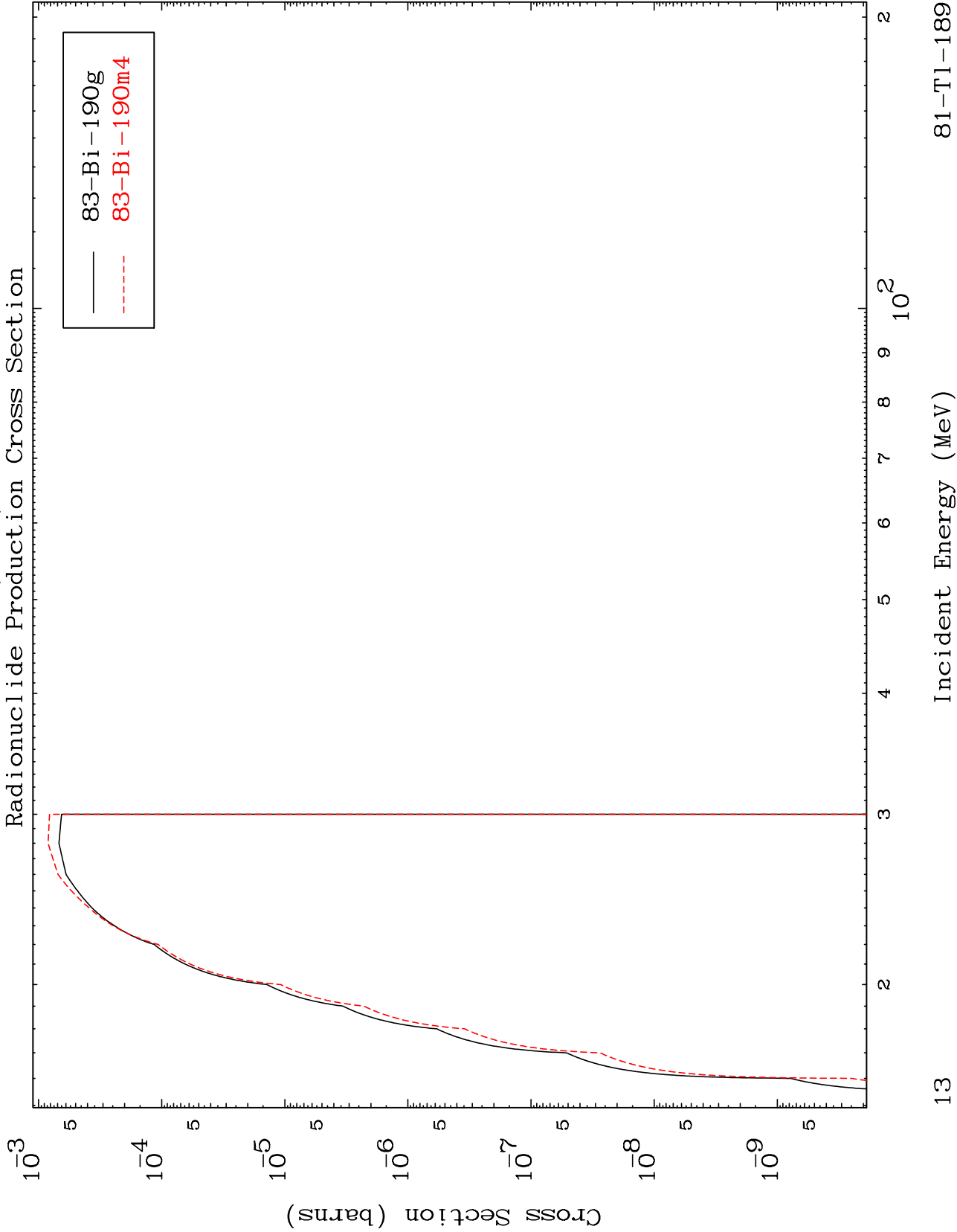
Incident Energy (MeV)

81-Tl-189

MAT 8083

(n,2n)

81-Tl-189



13

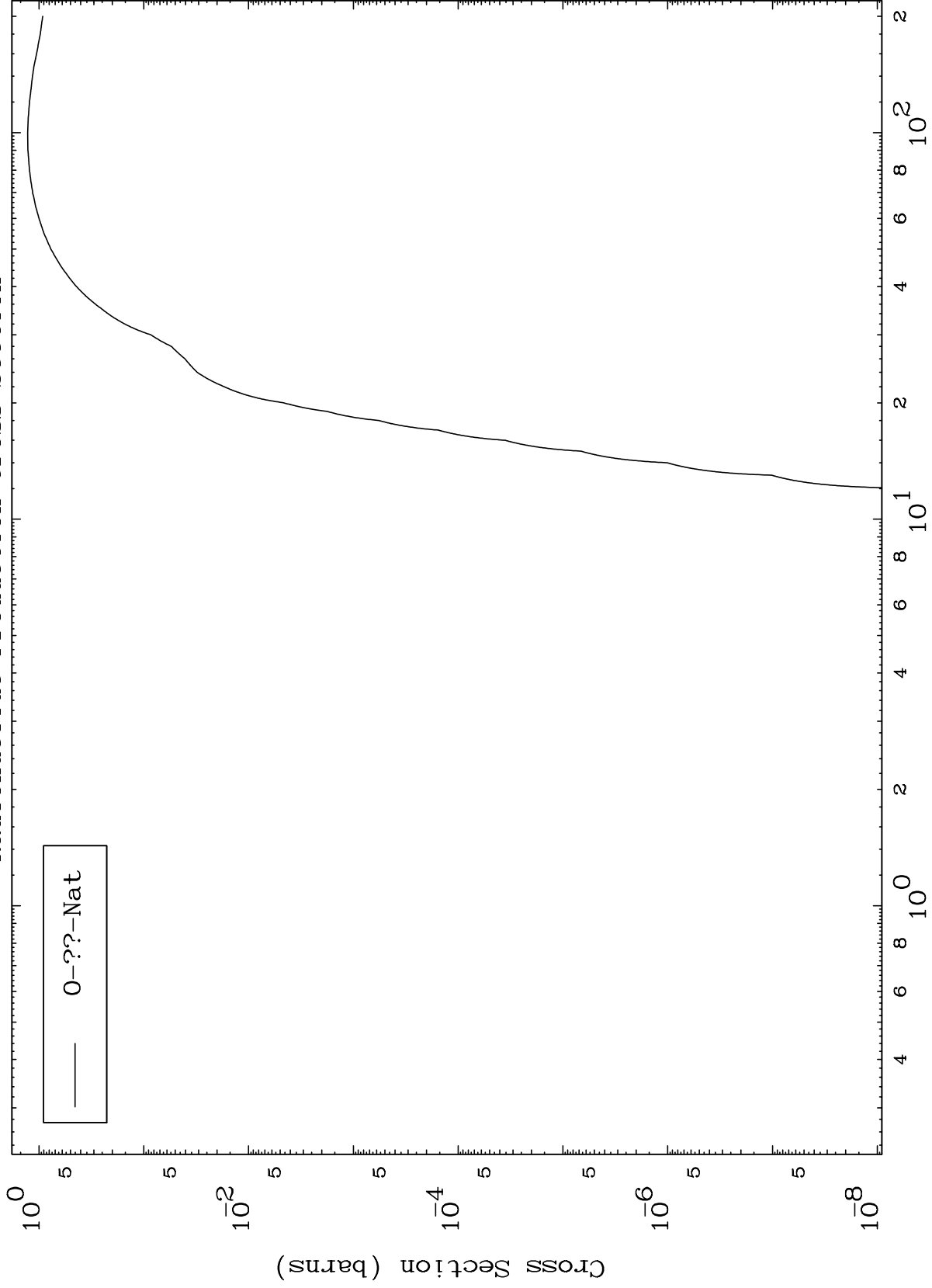
81-Tl-189

MAT 8083

Fission

81-Tl-189

Radionuclide Production Cross Section

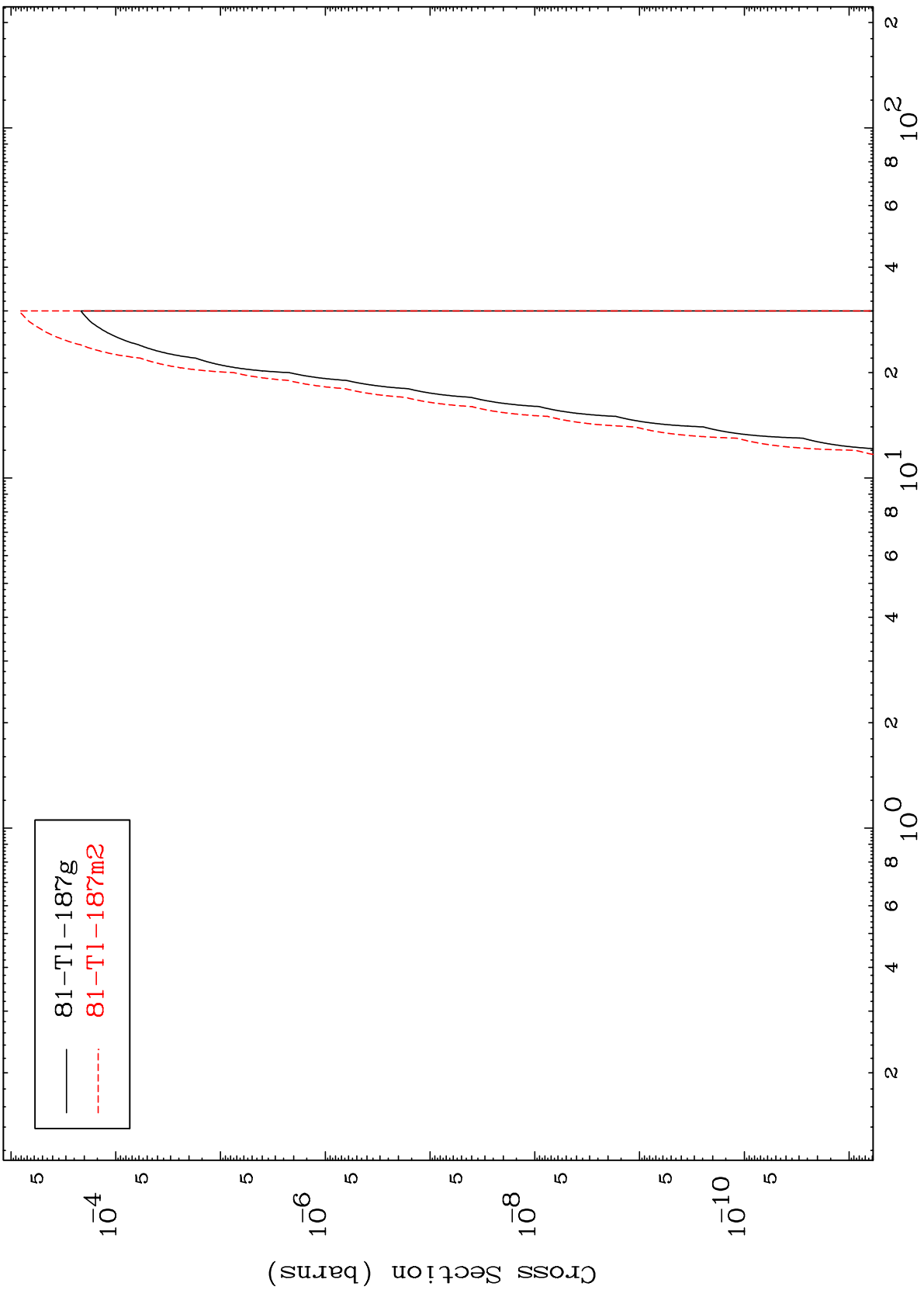


MAT 8083

$(n, n') \alpha$

81-Tl-189

Radionuclide Production Cross Section



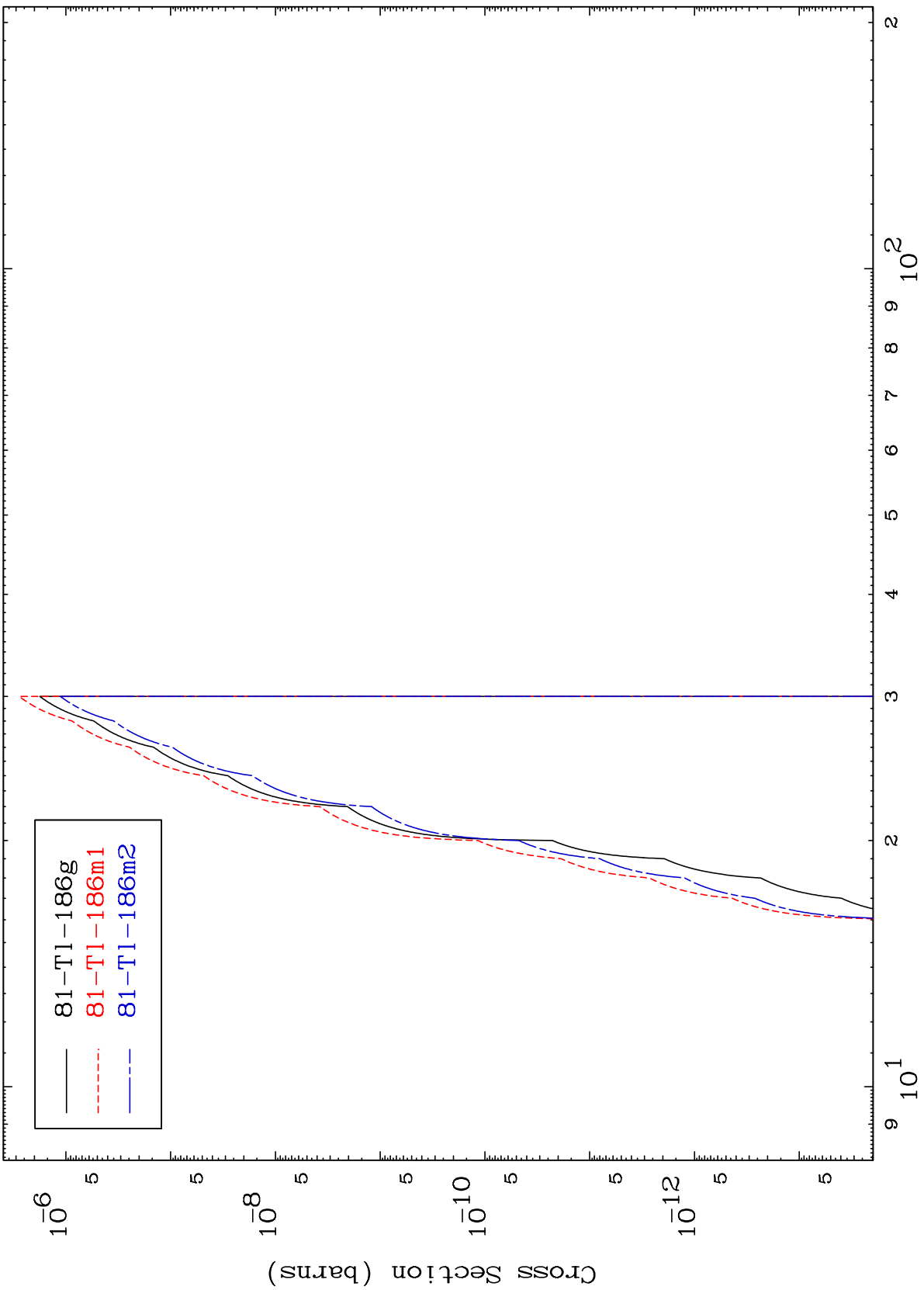
81-Tl-187g
81-Tl-187m2

MAT 8083

(n,2n) α

81-Tl-189

Radionuclide Production Cross Section

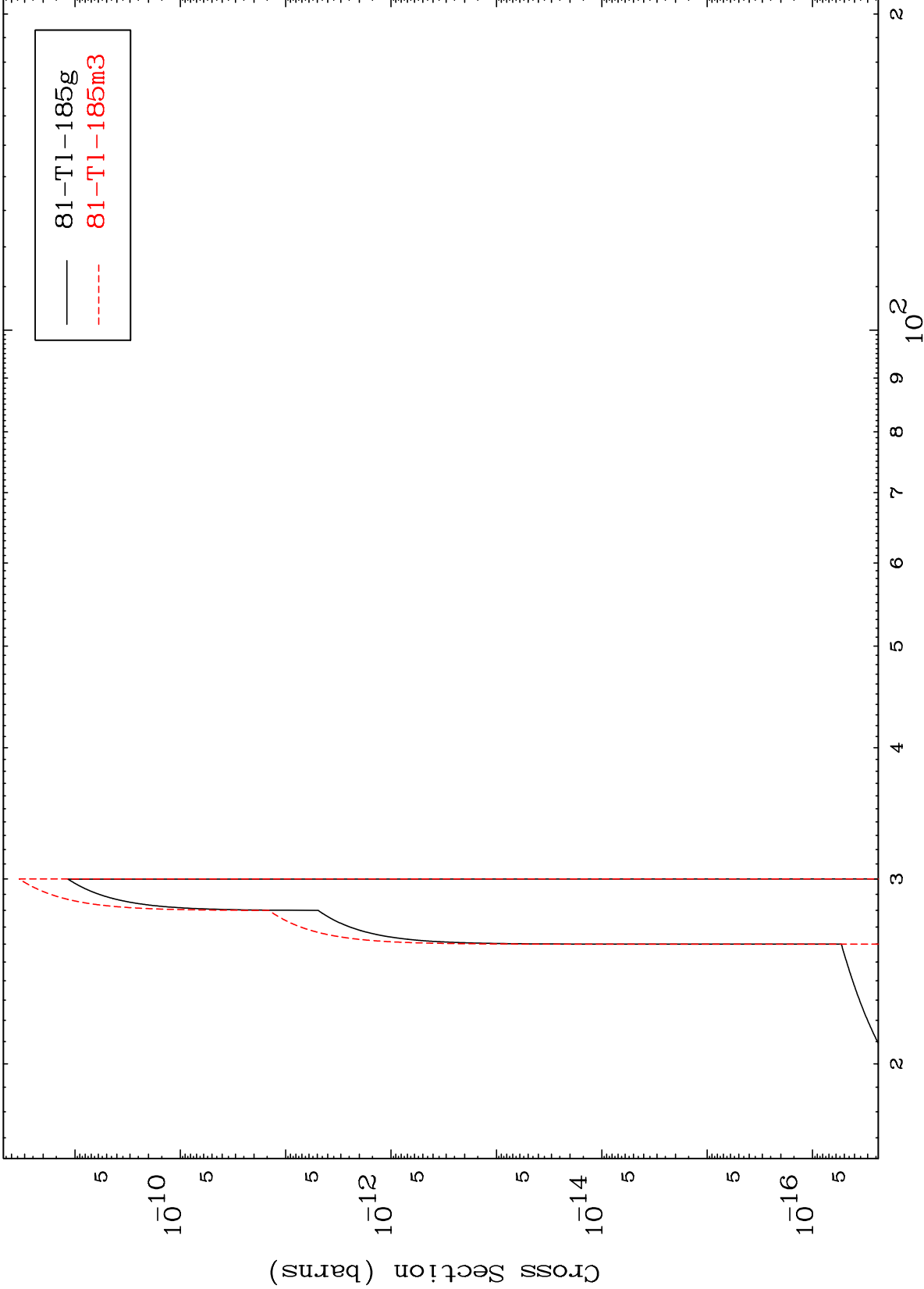


16

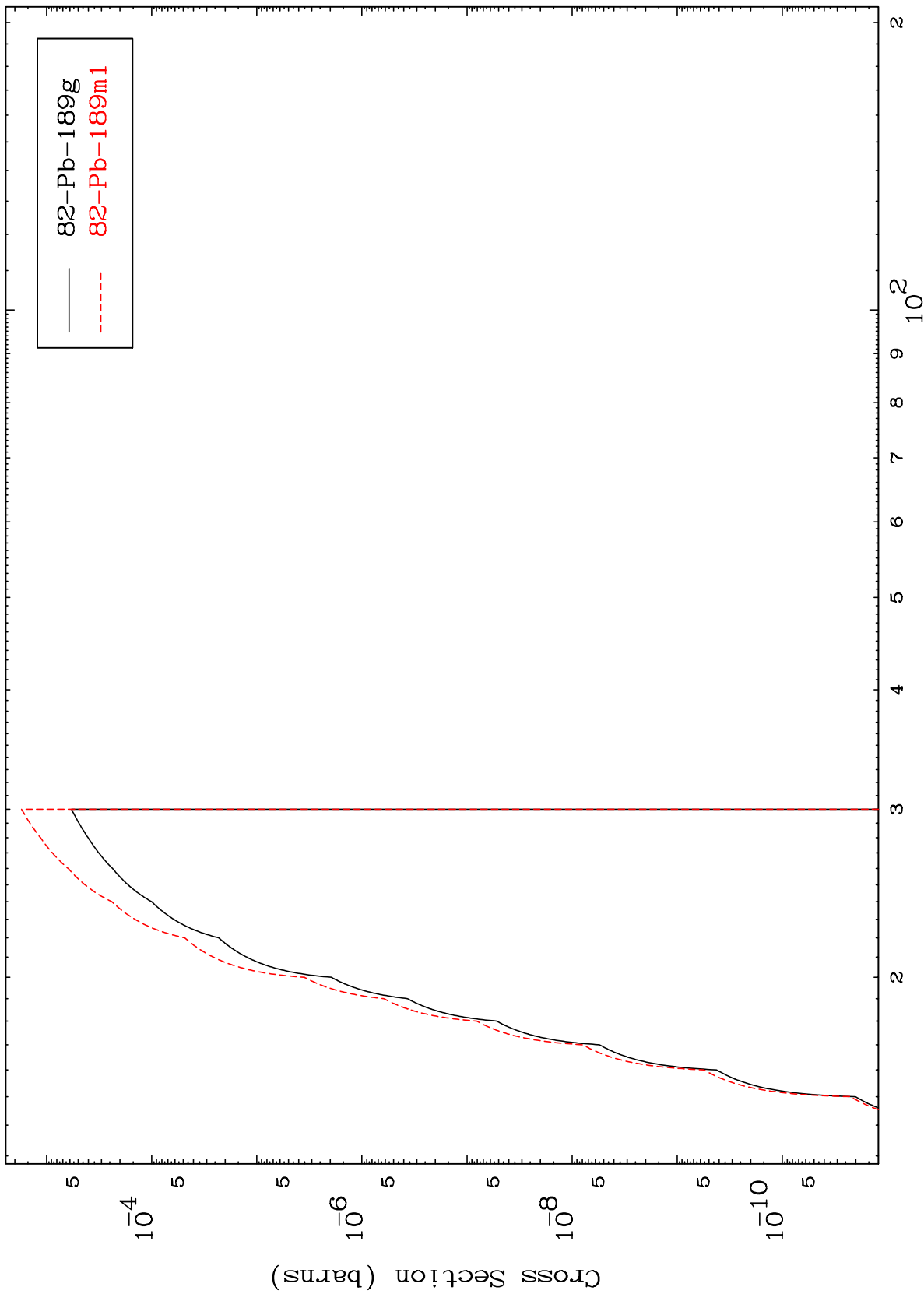
Incident Energy (MeV)

81-Tl-189

Radionuclide Production Cross Section



Radionuclide Production Cross Section

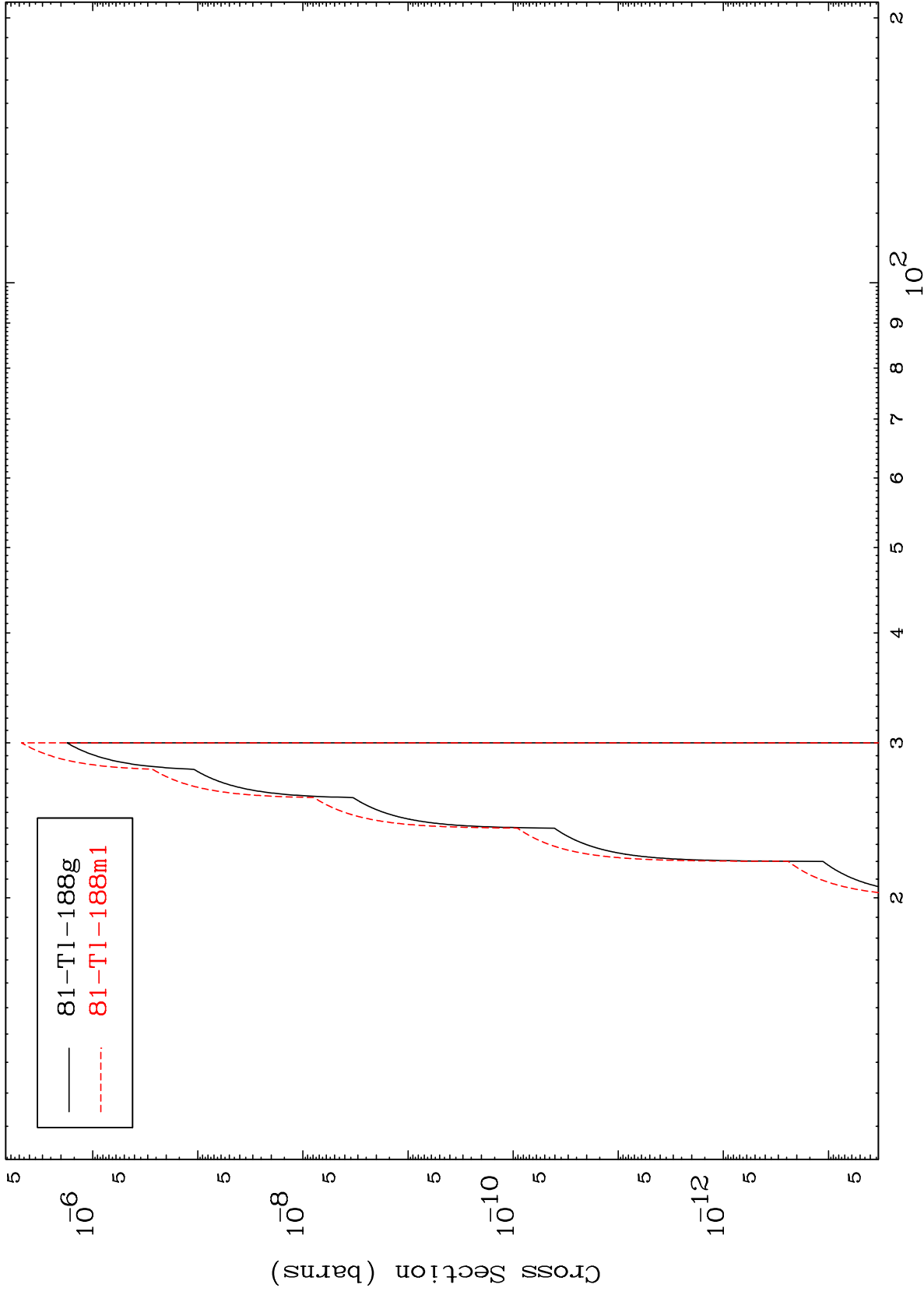


MAT 8083

(n,n') He-3

81-Tl-189

Radionuclide Production Cross Section



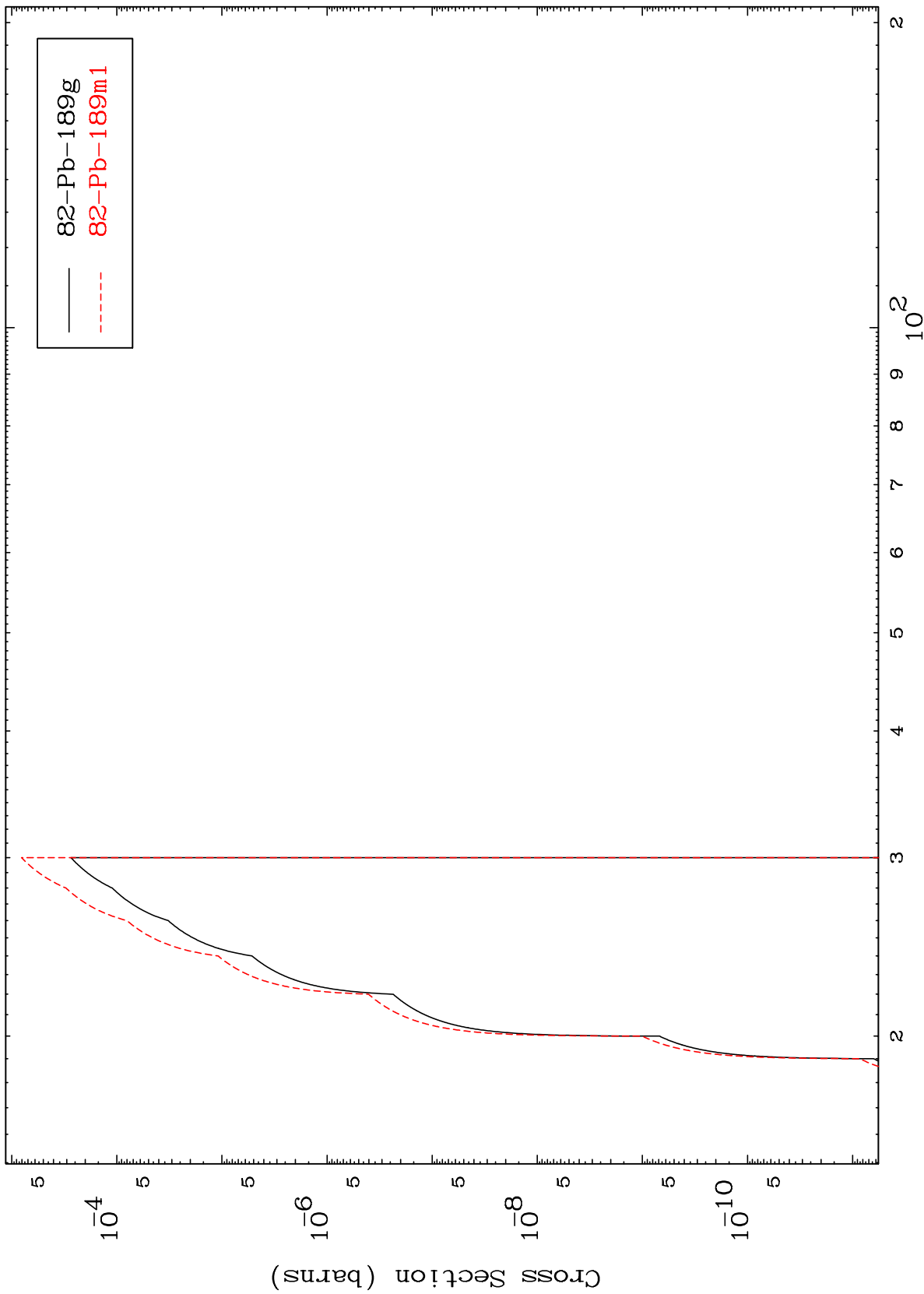
81-Tl-188g
81-Tl-188m1

MAT 8083

(n,2n) p

81-Tl-189

Radionuclide Production Cross Section



20

Incident Energy (MeV)

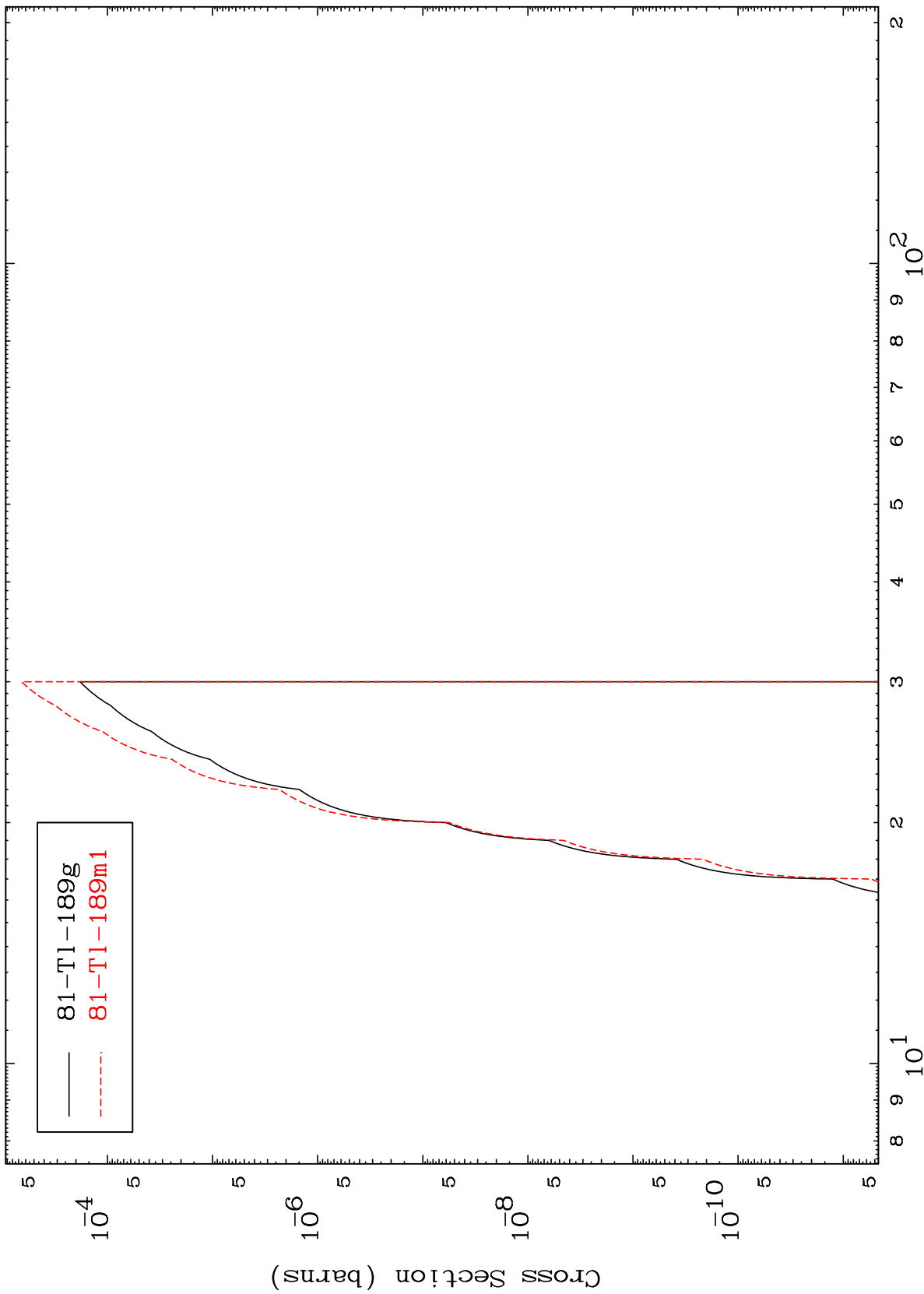
81-Tl-189

MAT 8083

(n,2n) p

81-Tl-189

Radionuclide Production Cross Section



Incident Energy (MeV)

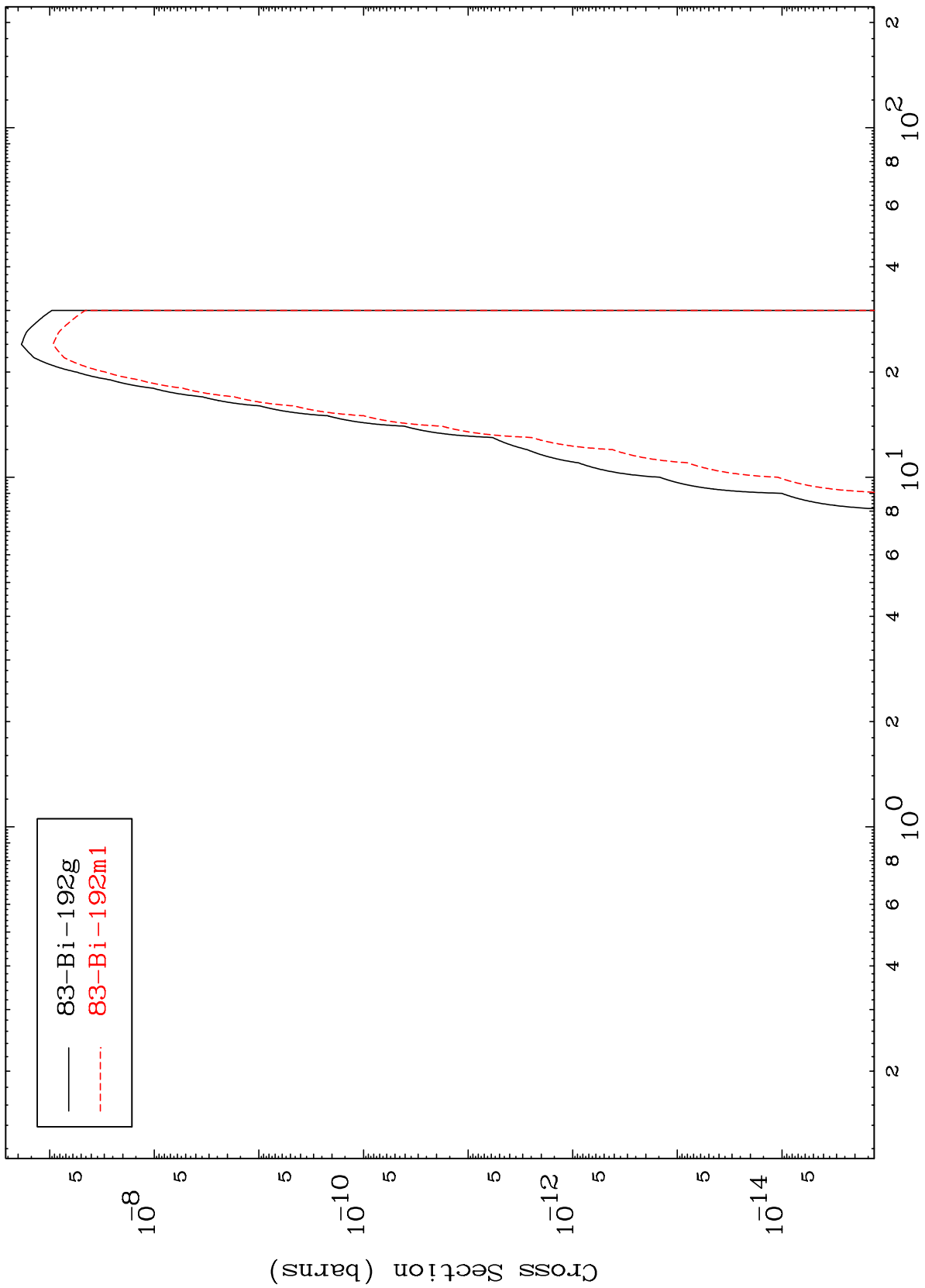
81-Tl-189

21

MAT 8083

81-Tl-189

Radionuclide Production Cross Section



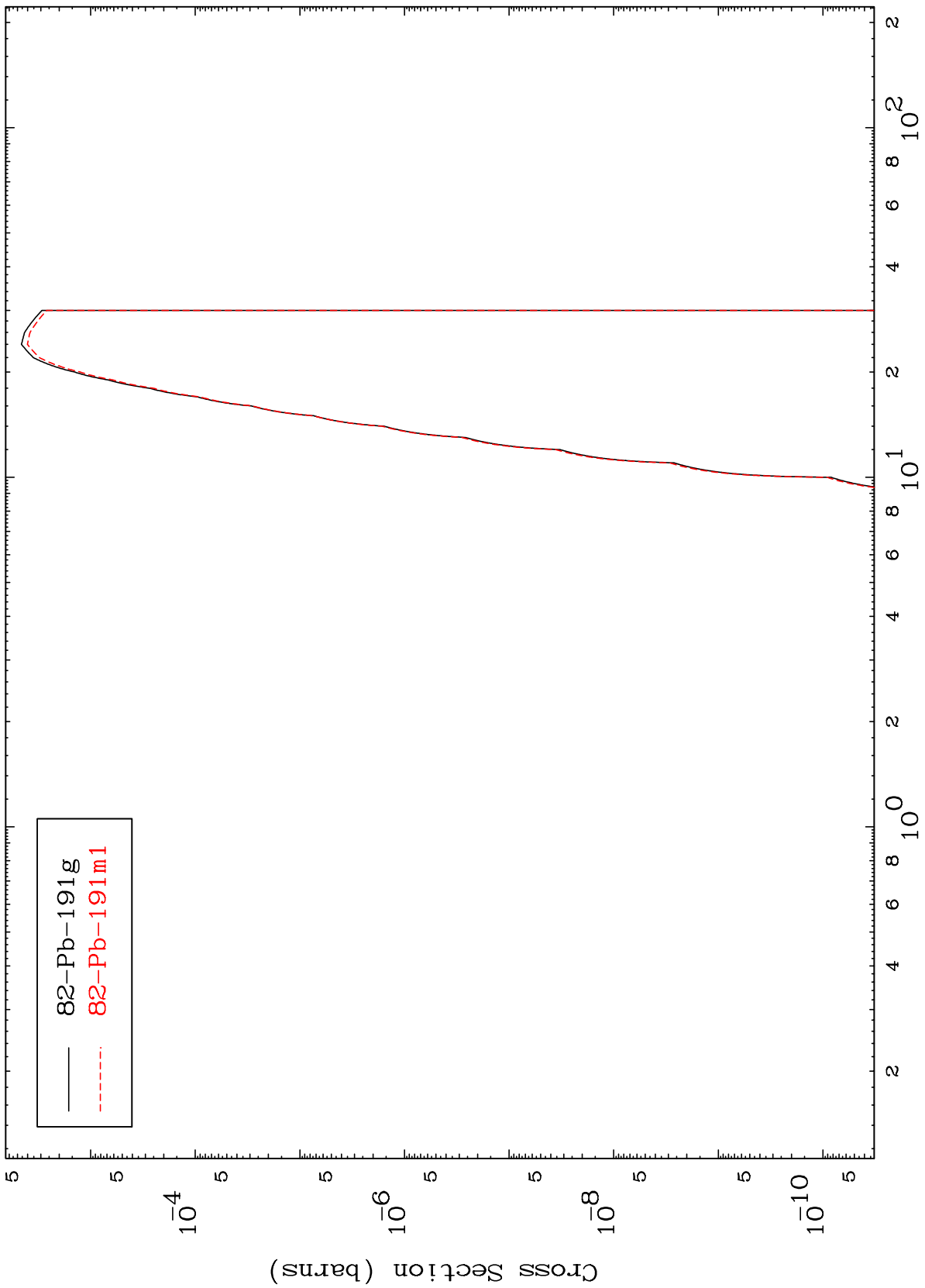
81-Tl-189

Incident Energy (MeV)

MAT 8083

81-Tl-189

(n,p)
Radionuclide Production Cross Section



81-Tl-189

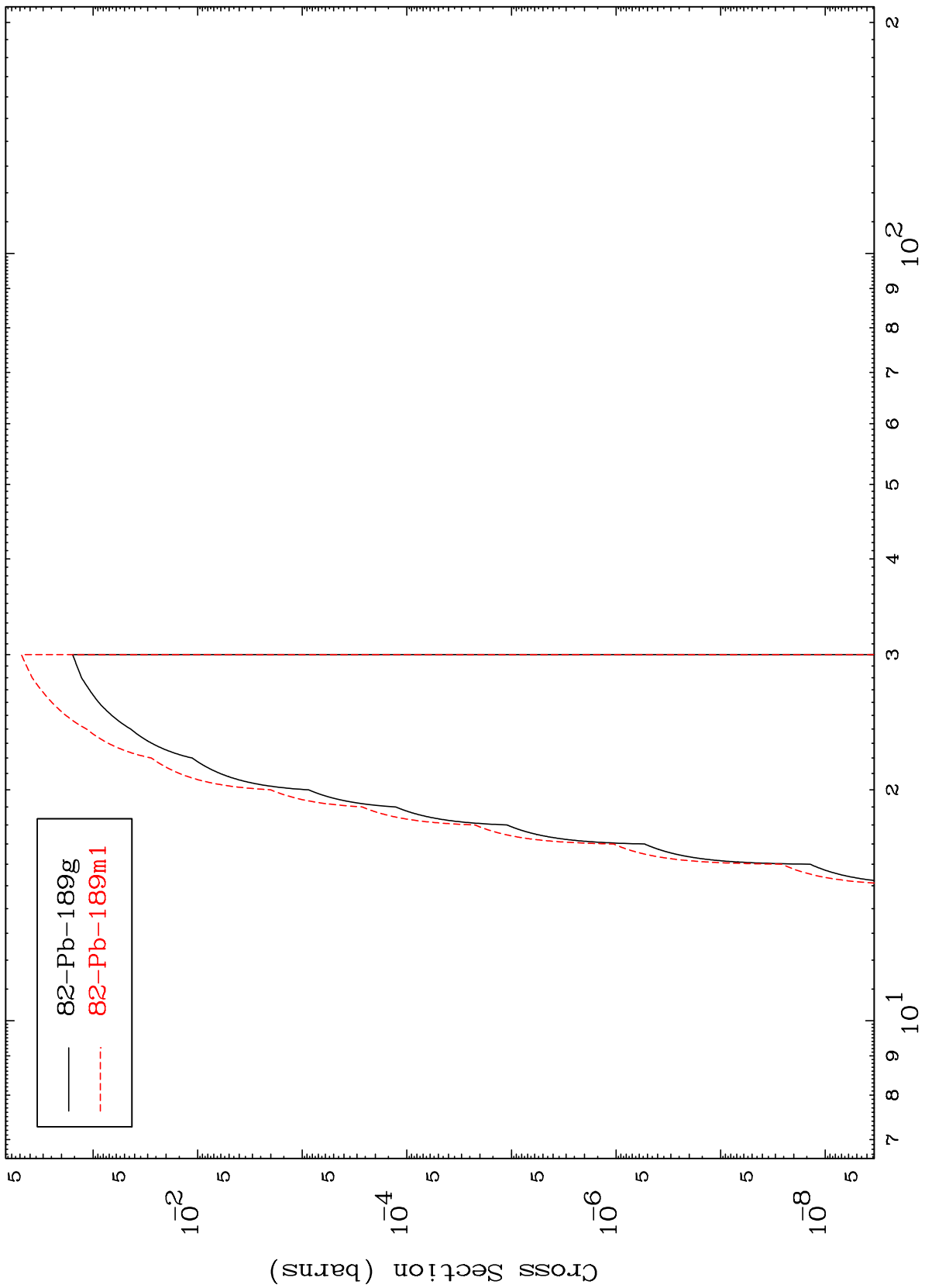
Incident Energy (MeV)

23

MAT 8083

81-Tl-189

(n,t)
Radionuclide Production Cross Section



24

Incident Energy (MeV)

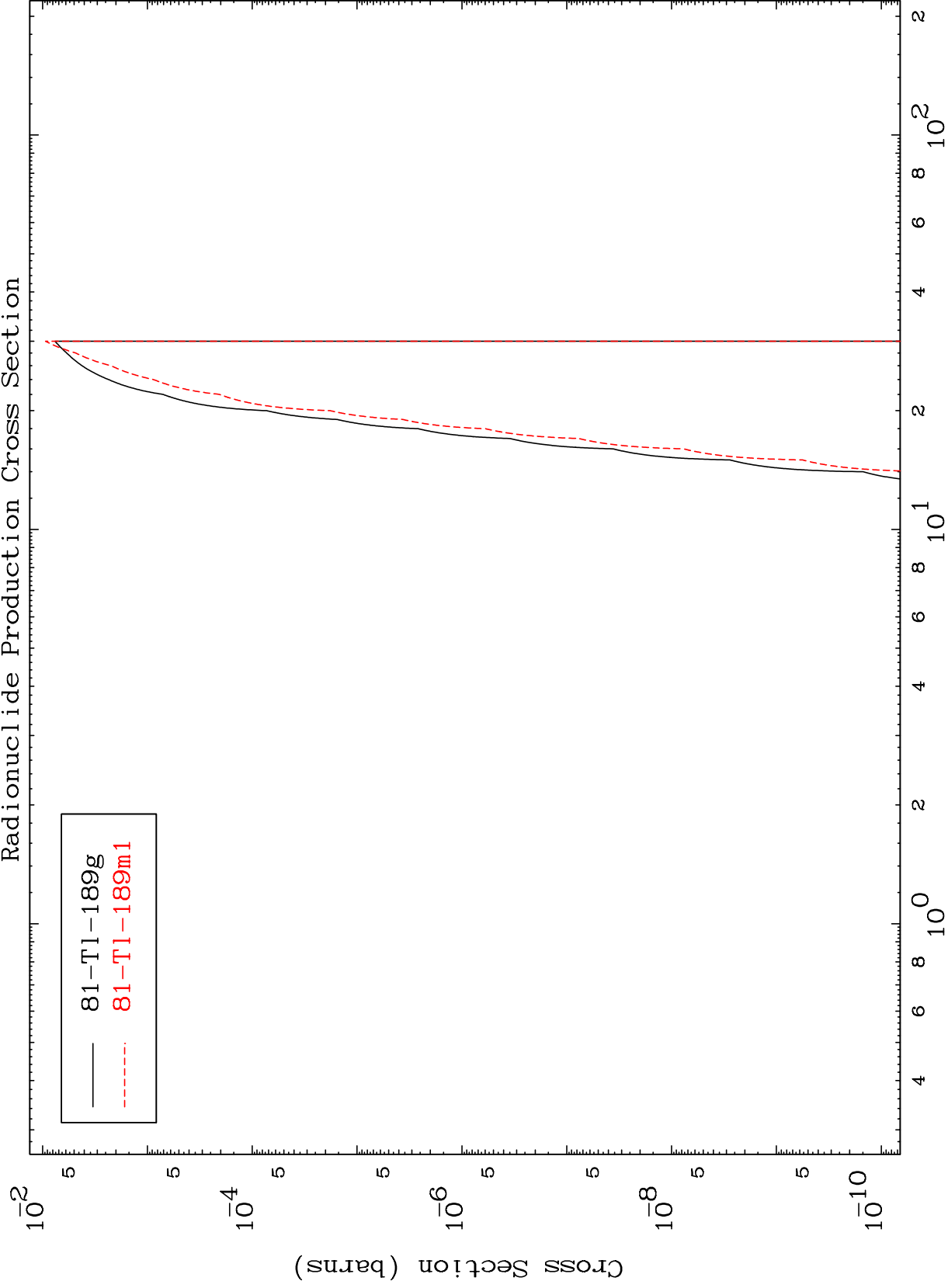
81-Tl-189

MAT 8083

(n,He-3)

81-Tl-189

Radionuclide Production Cross Section



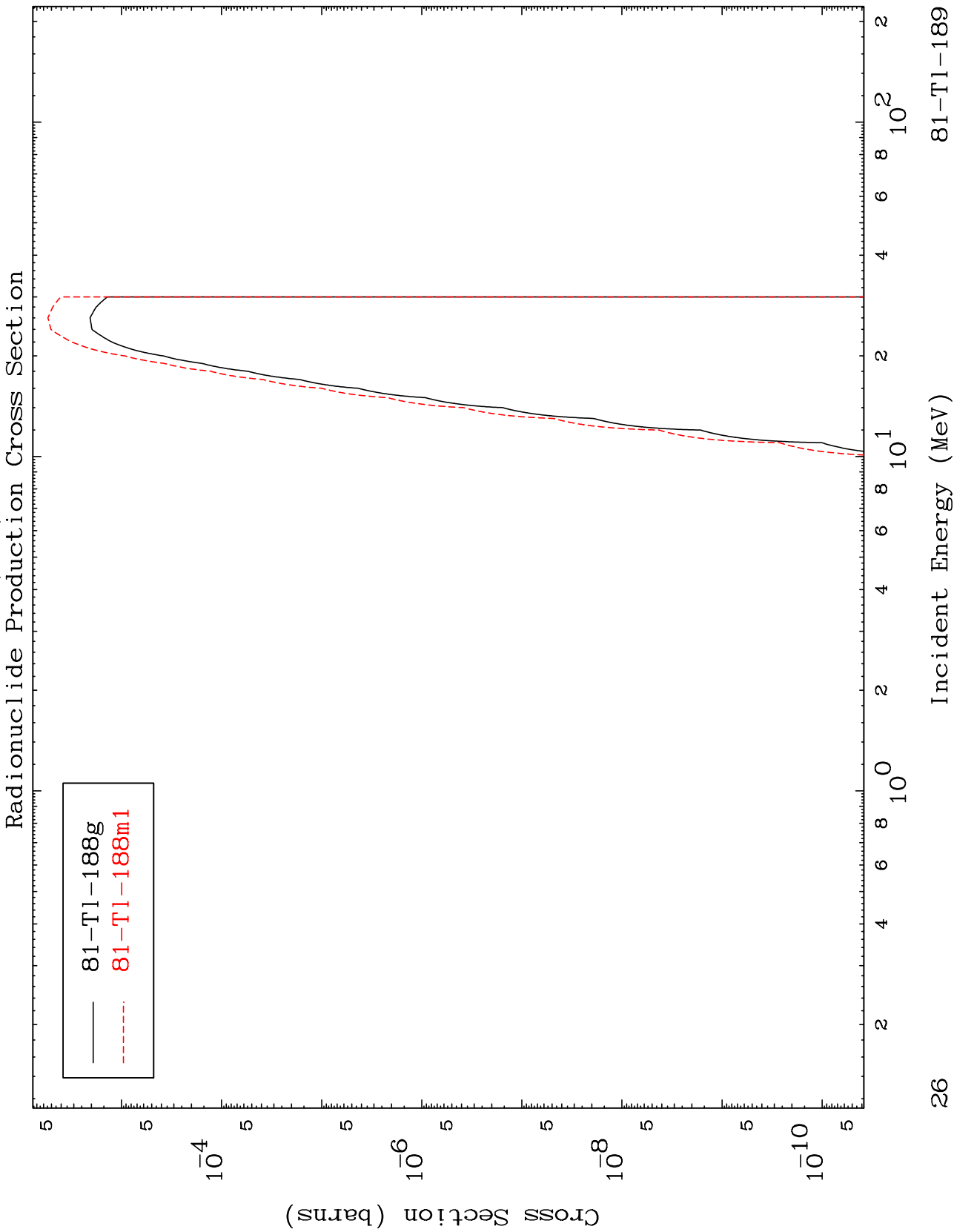
25

Incident Energy (MeV)

81-Tl-189

MAT 8083

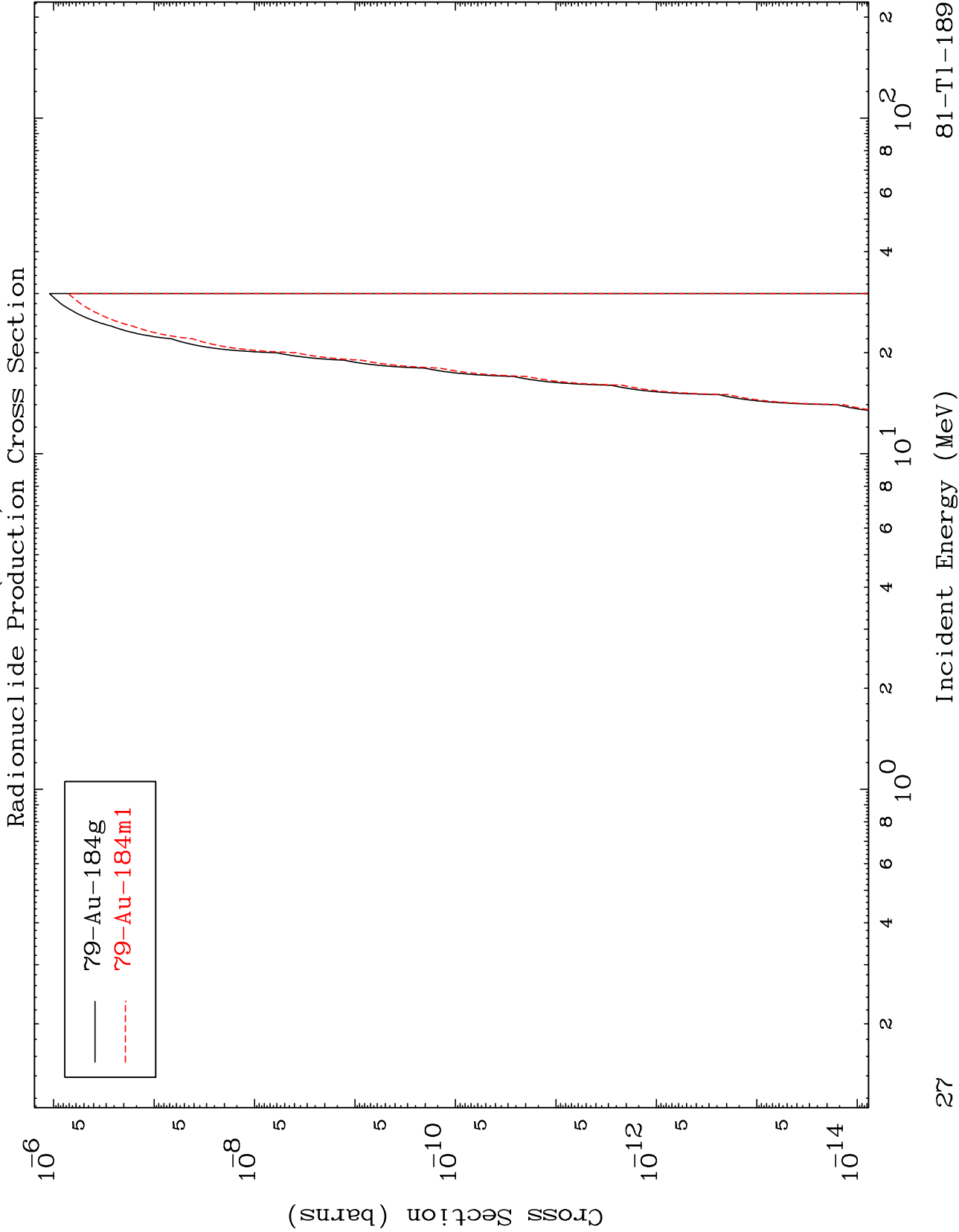
81-Tl-189



MAT 8083

(n,2α)

81-Tl-189

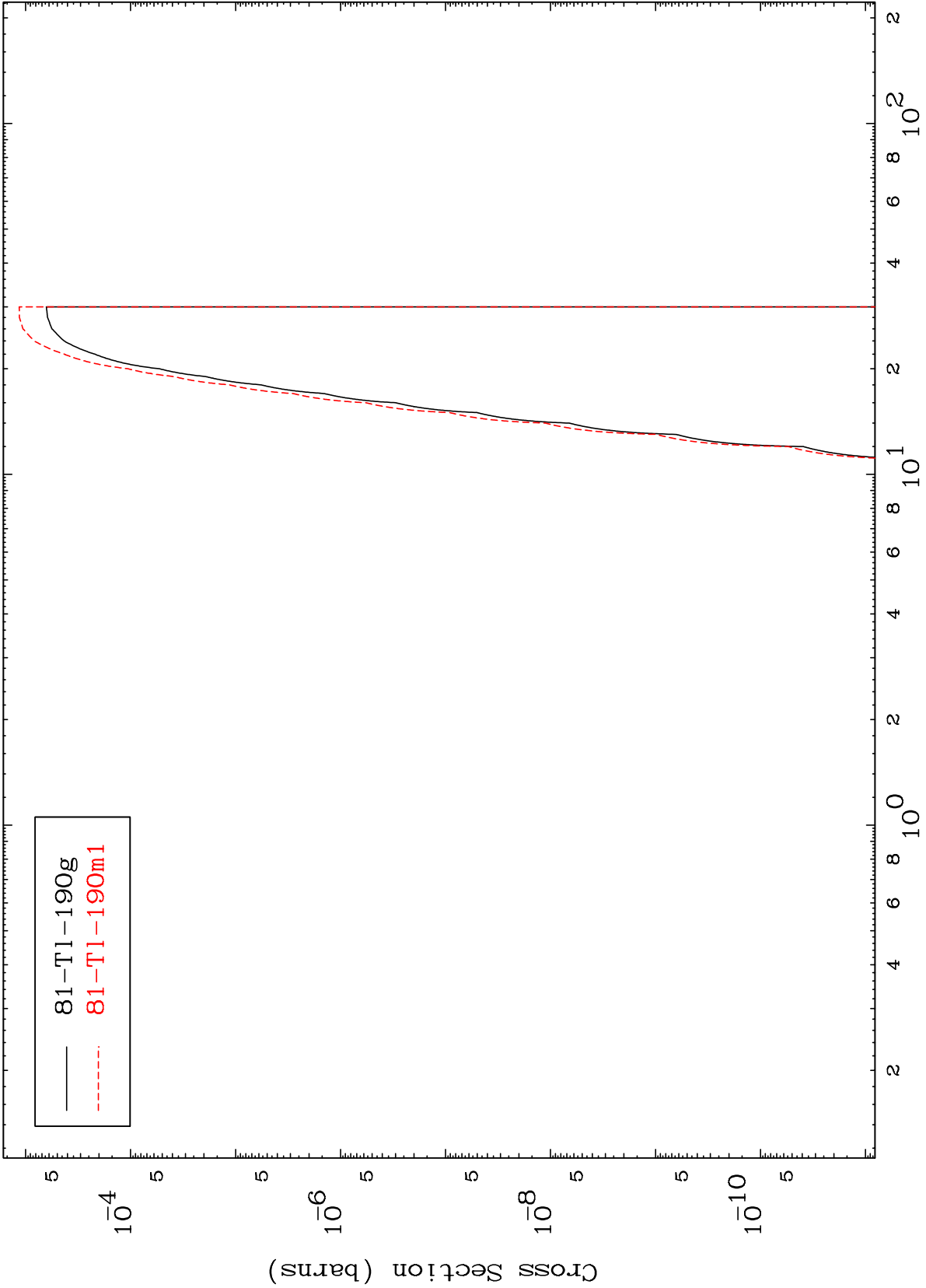


MAT 8083

(n,2p)

81-Tl-189

Radionuclide Production Cross Section

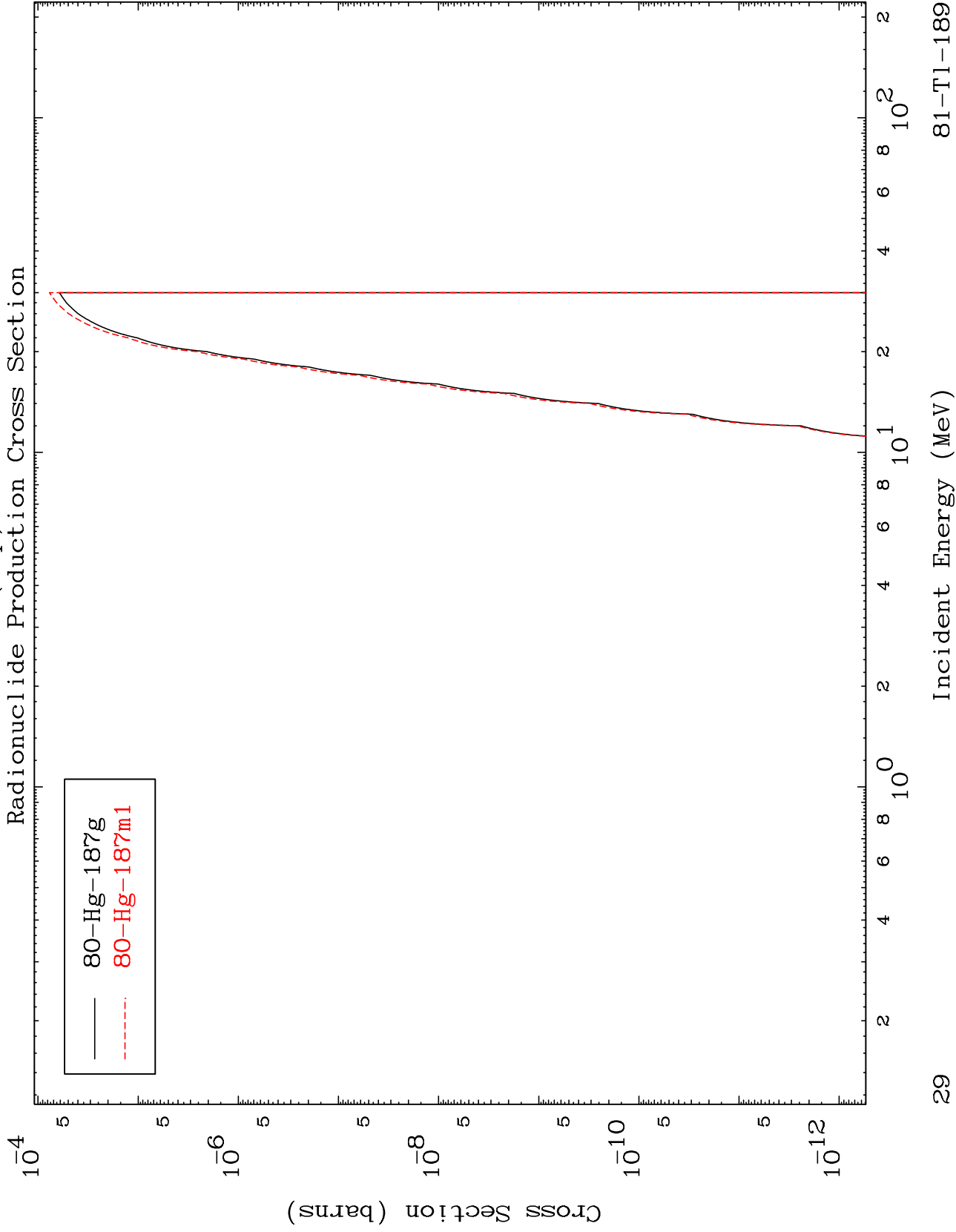


81-Tl-190g
81-Tl-190m1

MAT 8083

(n,p) α

81-Tl-189

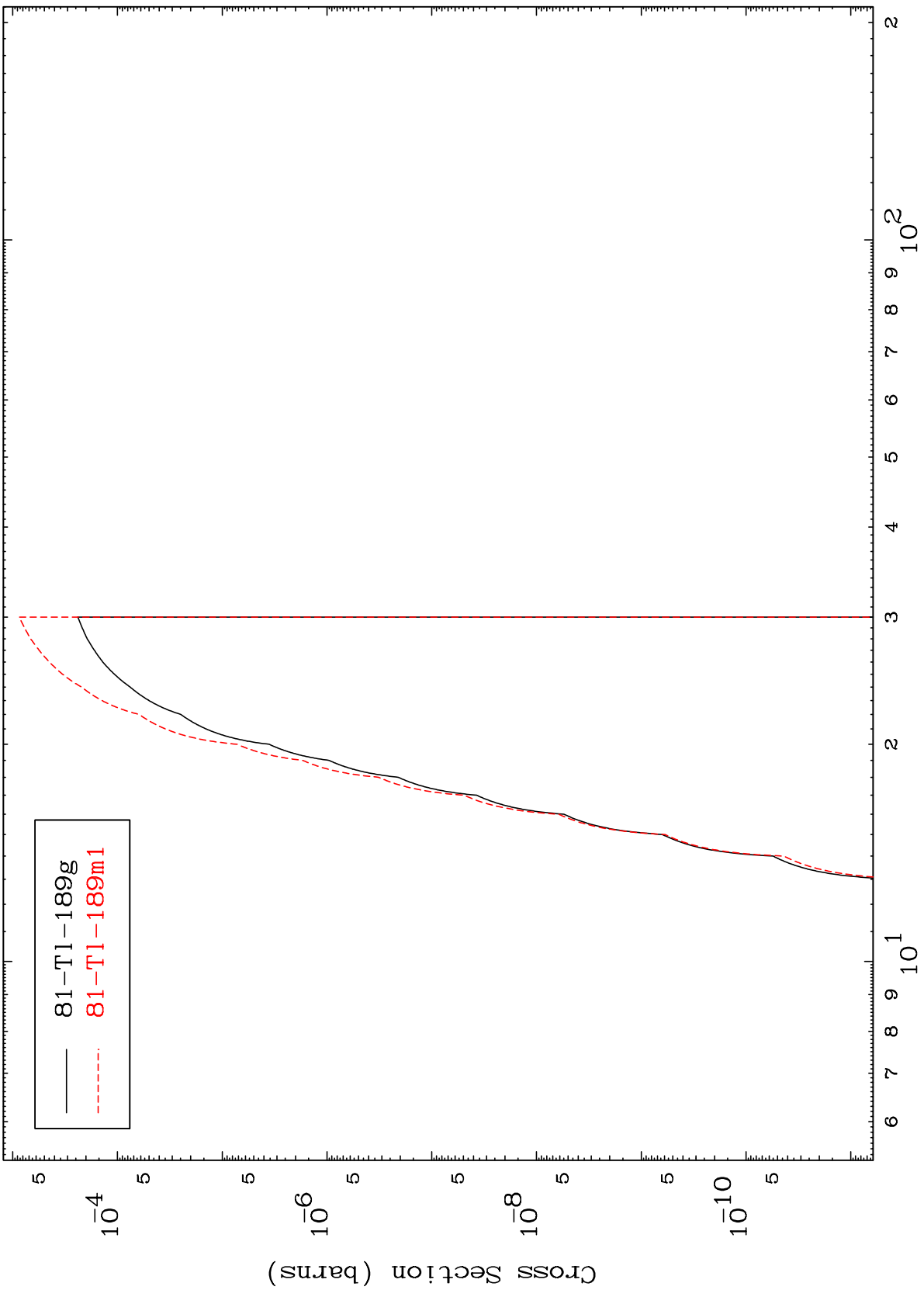


MAT 8083

(n,p) d

81-Tl-189

Radionuclide Production Cross Section



30

Incident Energy (MeV)

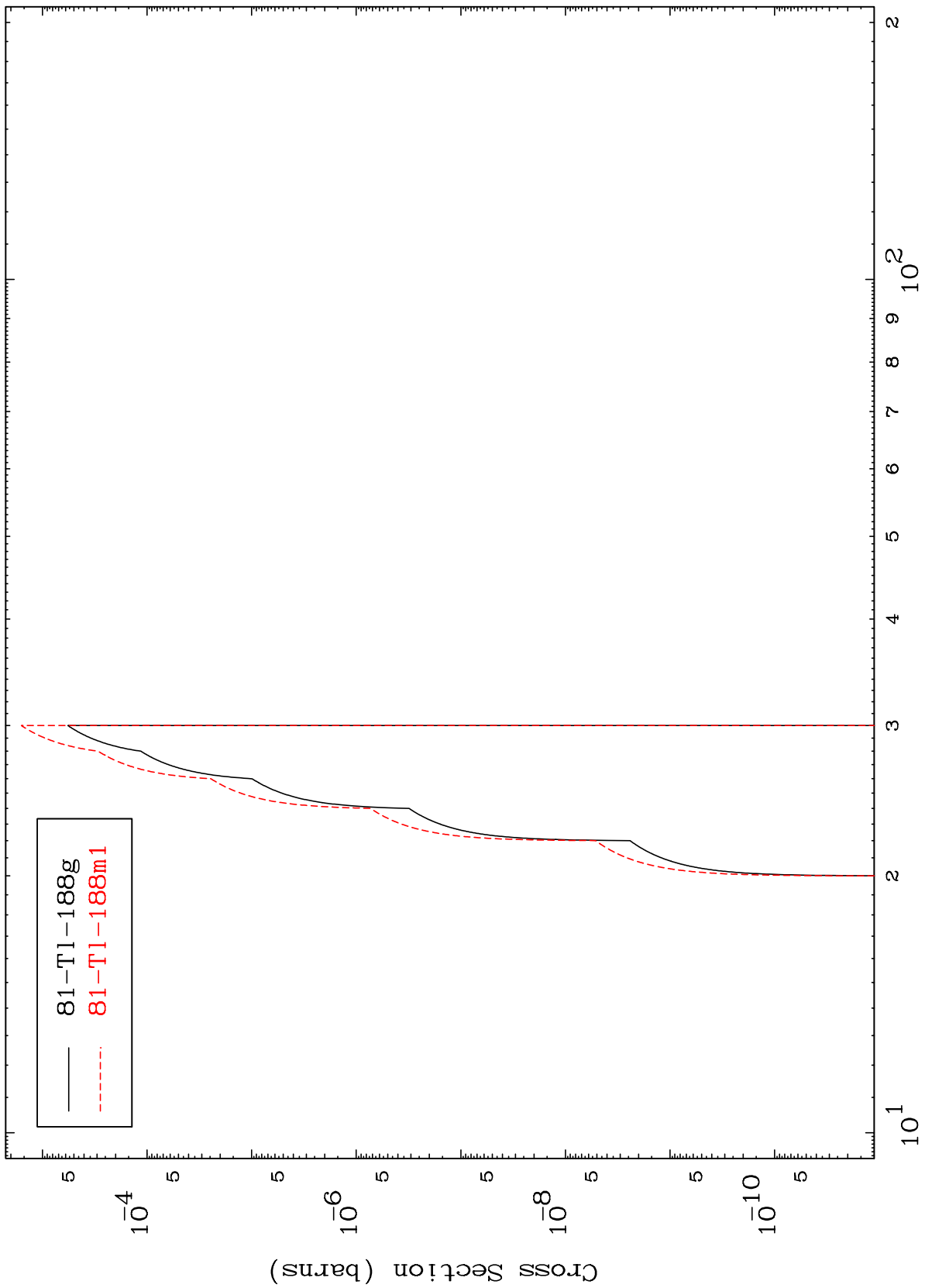
81-Tl-189

MAT 8083

(n,p) t

81-Tl-189

Radionuclide Production Cross Section



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

31

Incident Energy (MeV)

81-Tl-189