

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

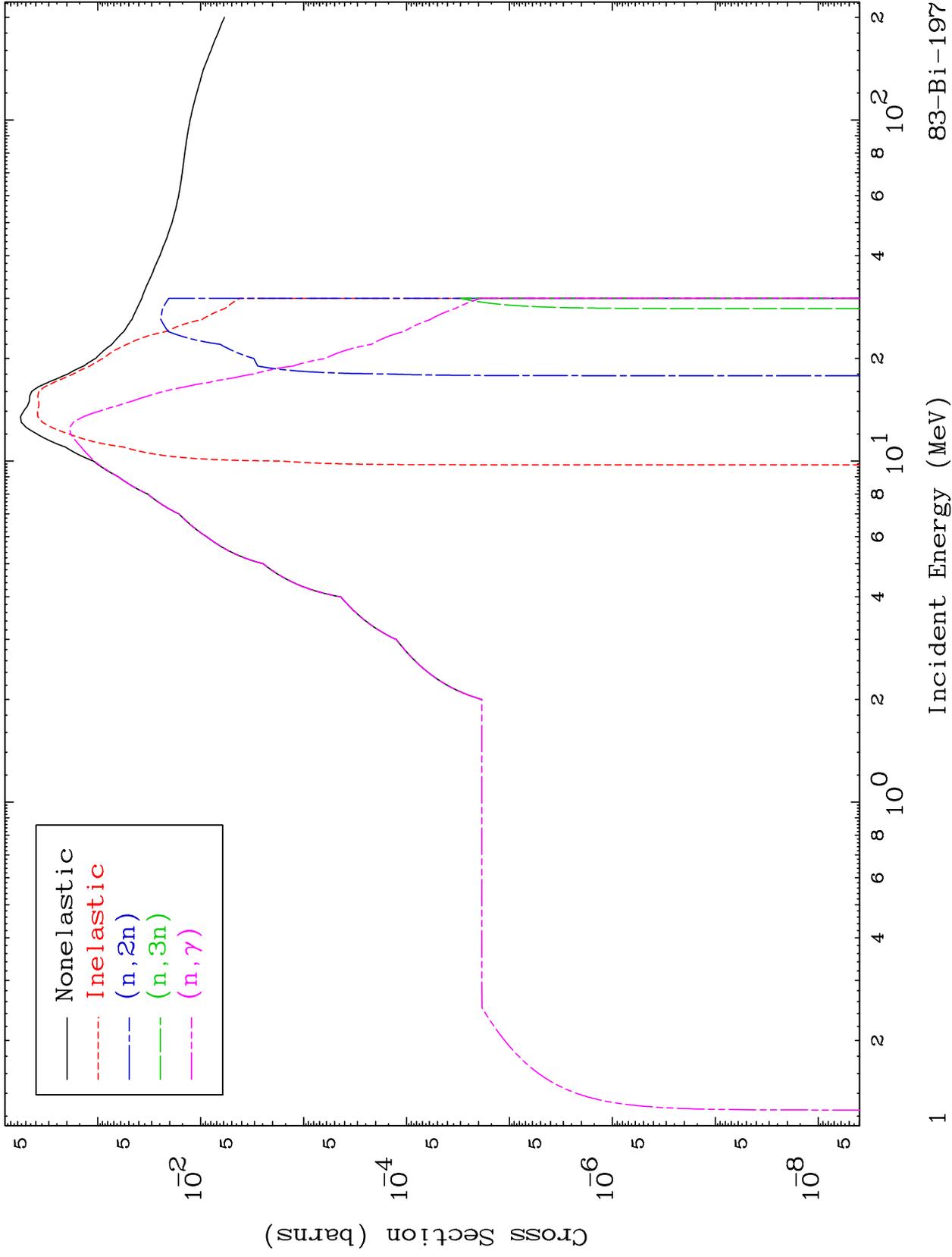
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

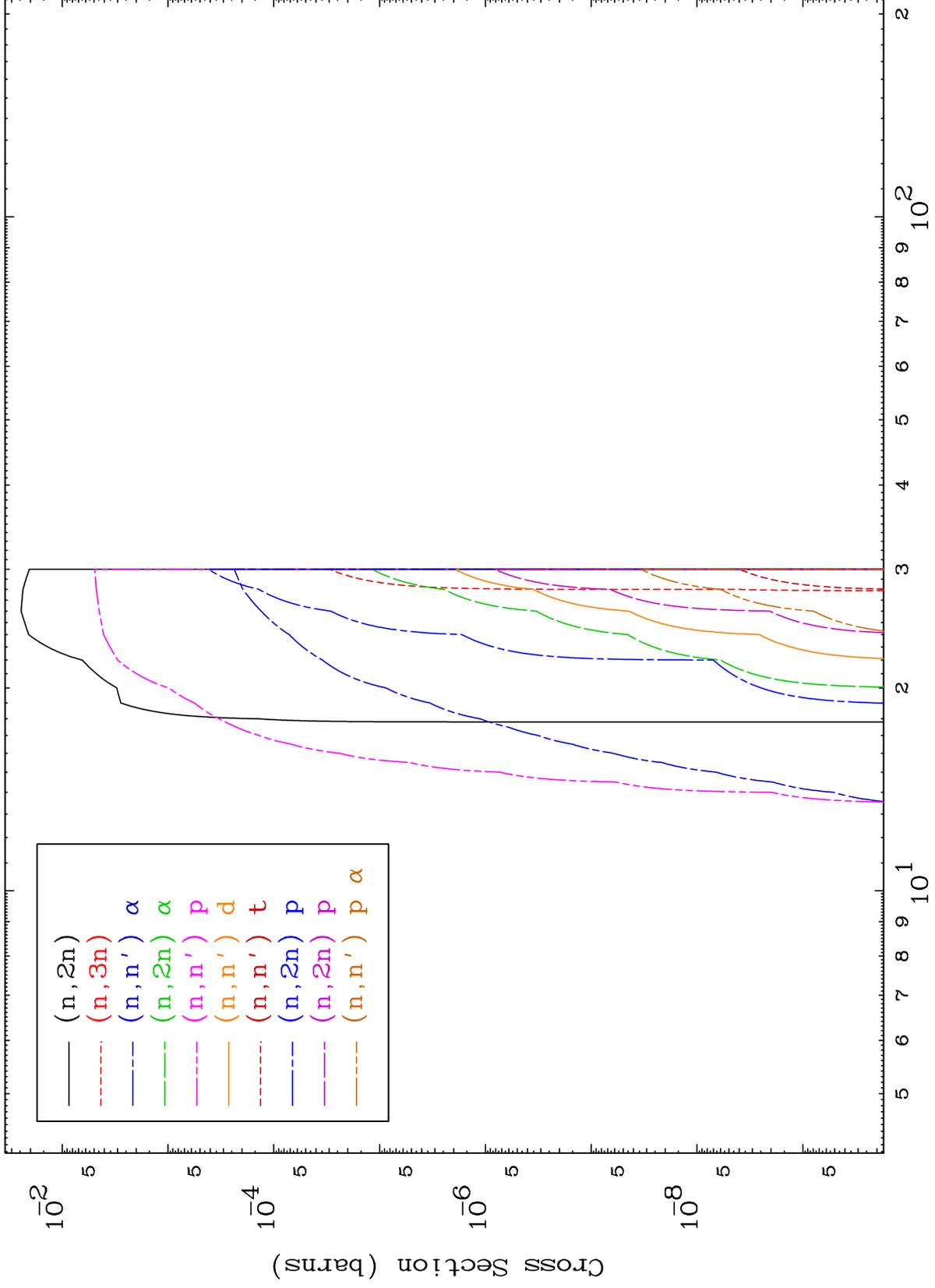
Tele: 925-443-1911

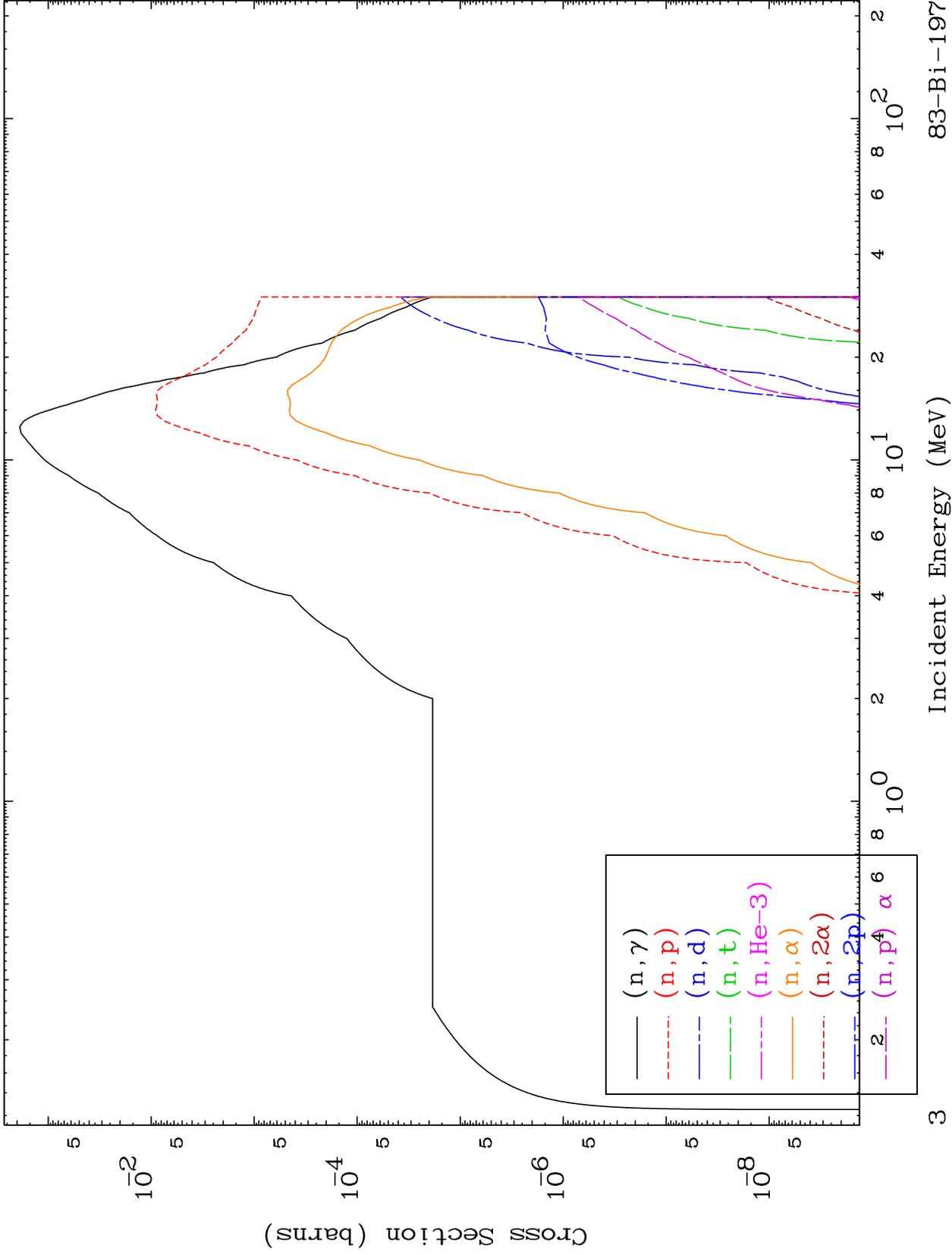
E.Mail:redcullen1@comcast.net

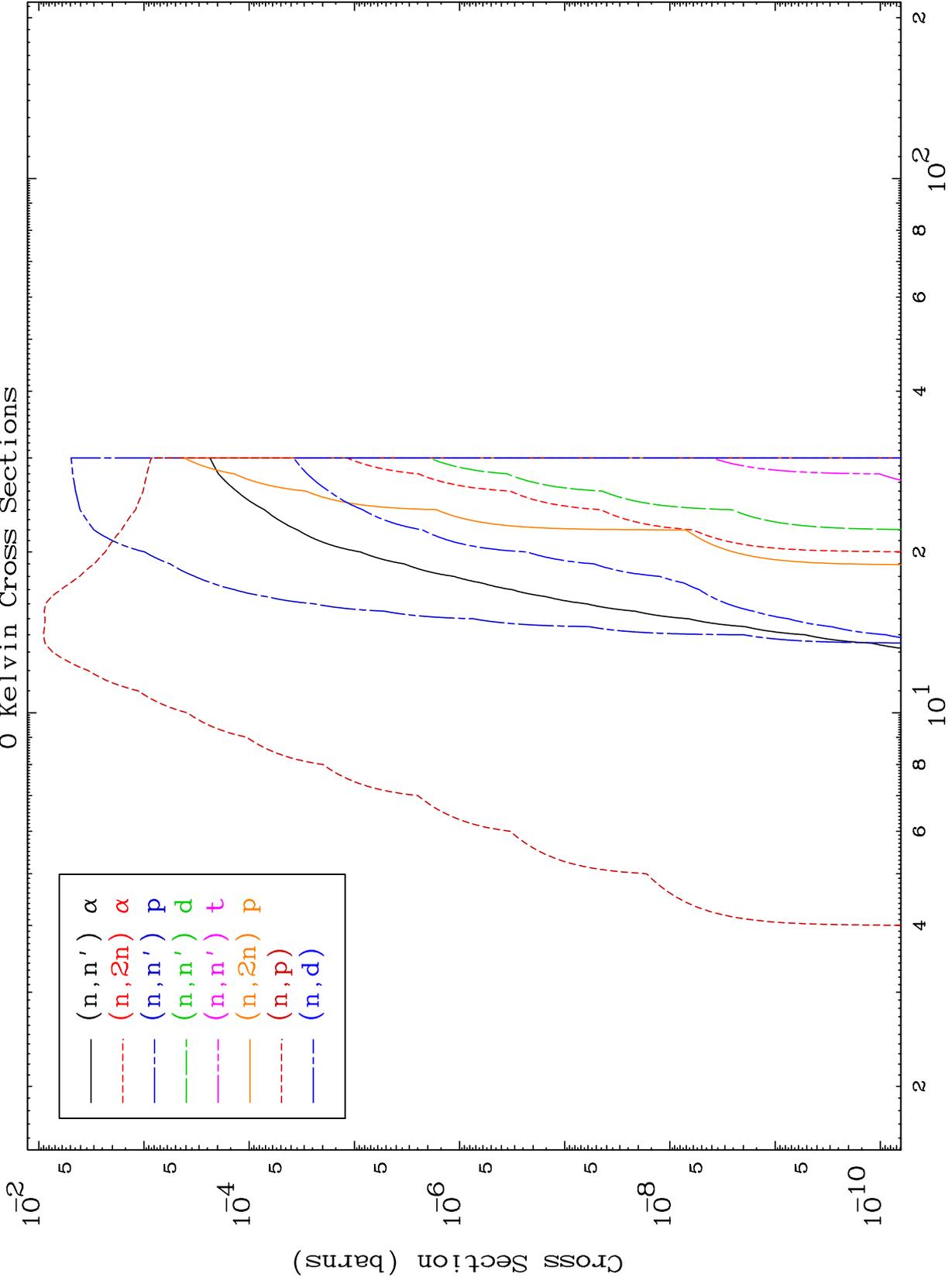
Web:redcullen1.net/HOMEPAGE.NEW

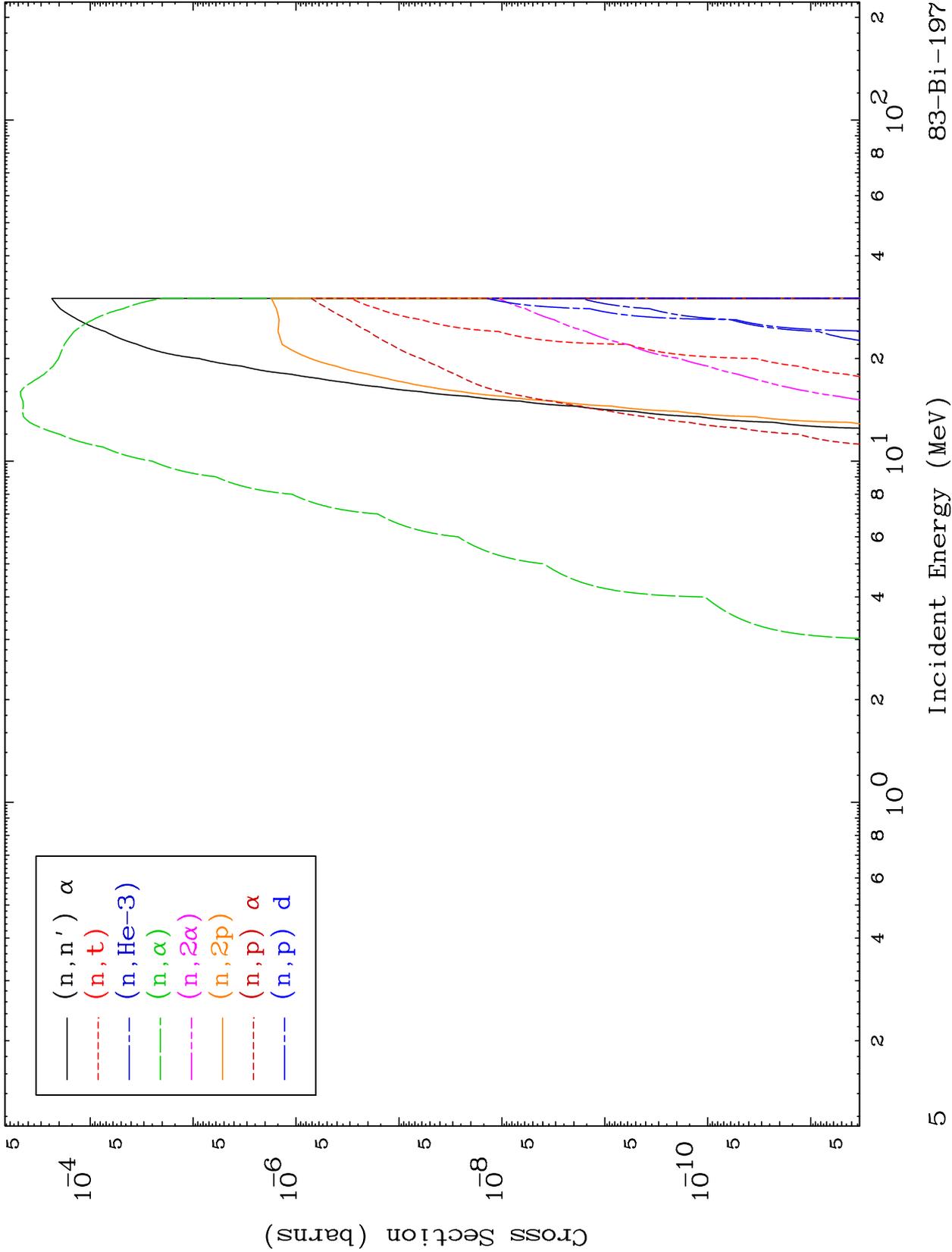
Press Mouse Button to Start







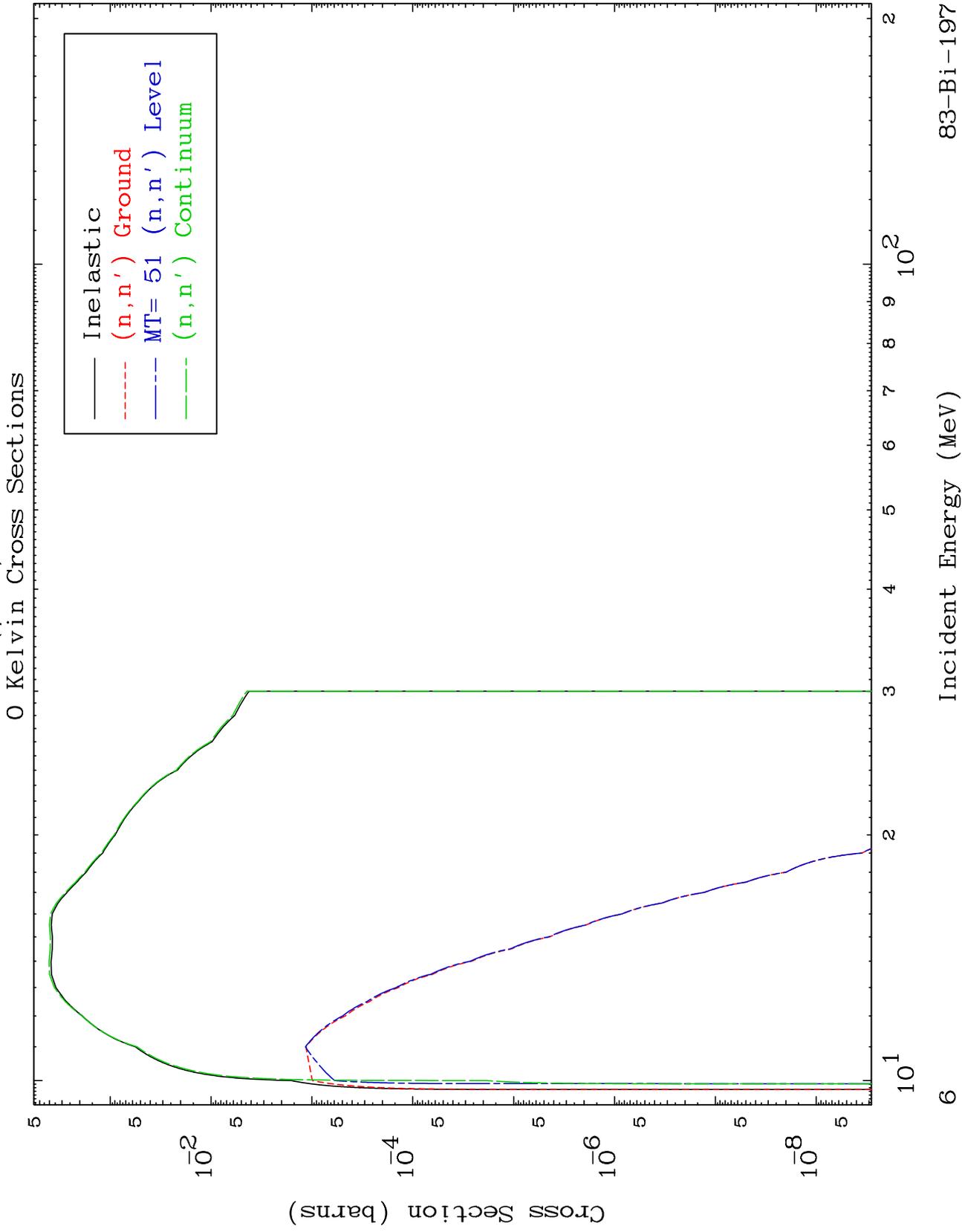




MAT 8289

(γ, n') Levels

83-Bi-197

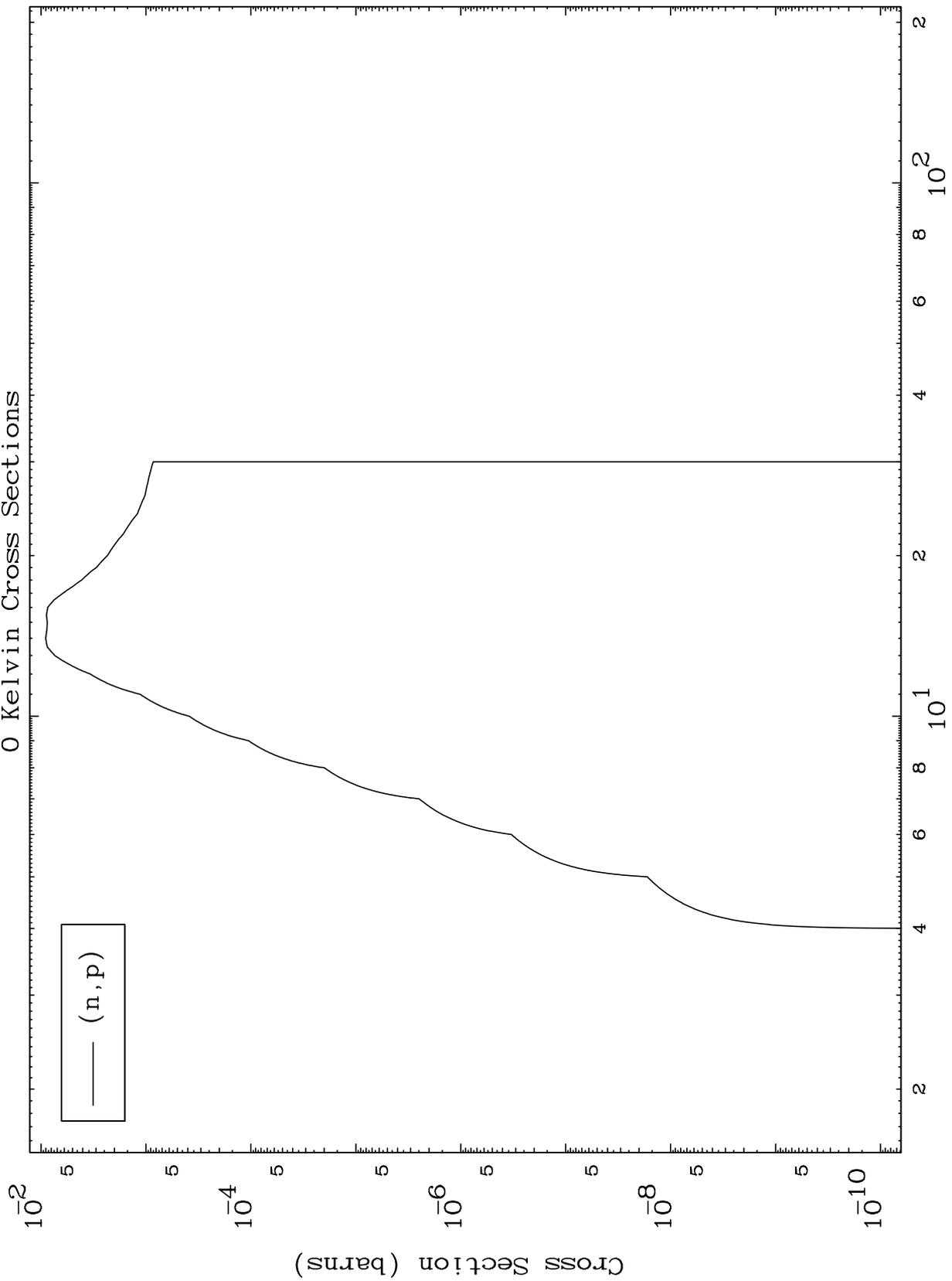


83-Bi-197

MAT 8289

83-Bi-197

(γ, p) Levels
0 Kelvin Cross Sections



7

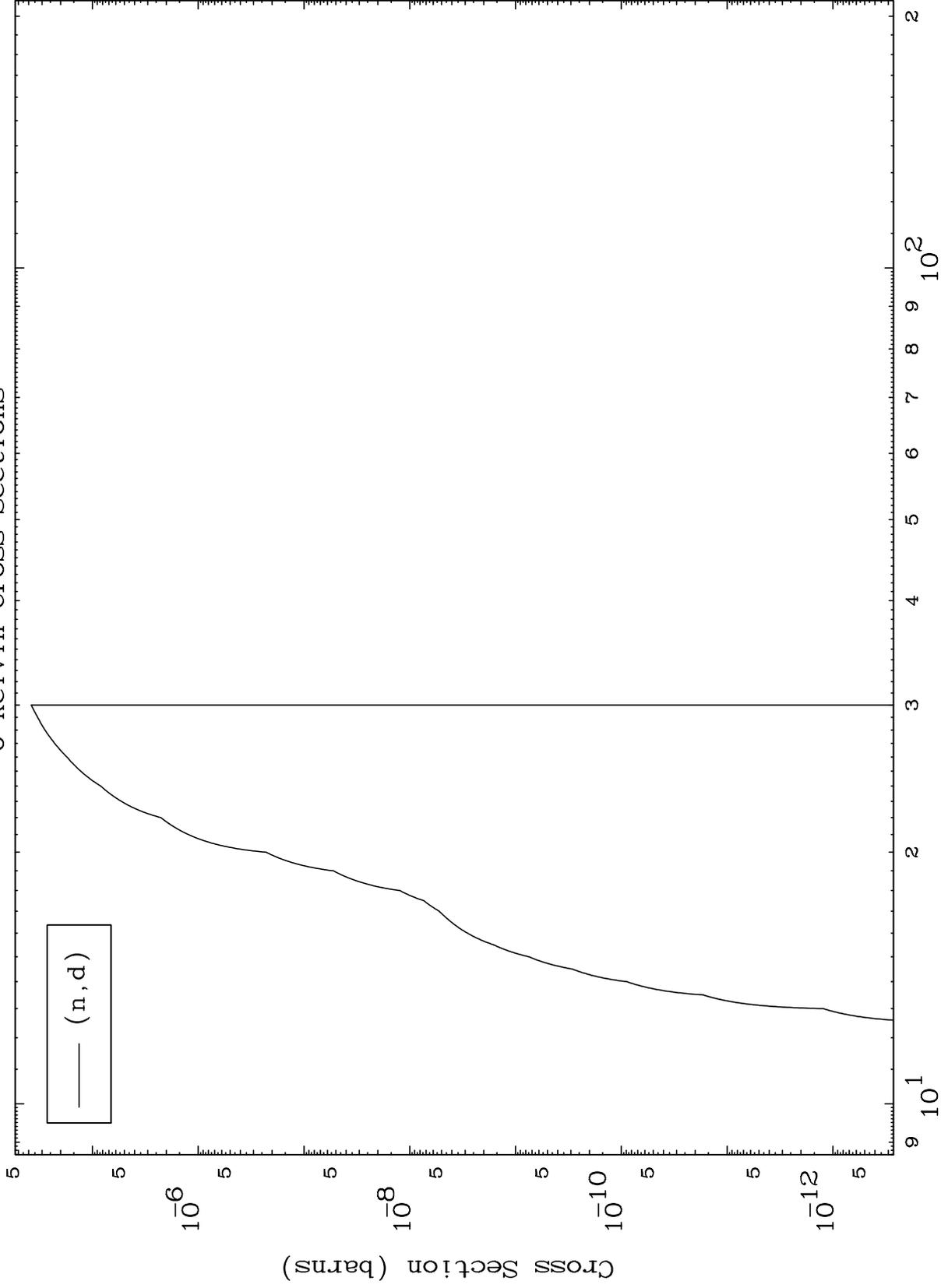
83-Bi-197

Incident Energy (MeV)

MAT 8289

(γ, d) Levels
0 Kelvin Cross Sections

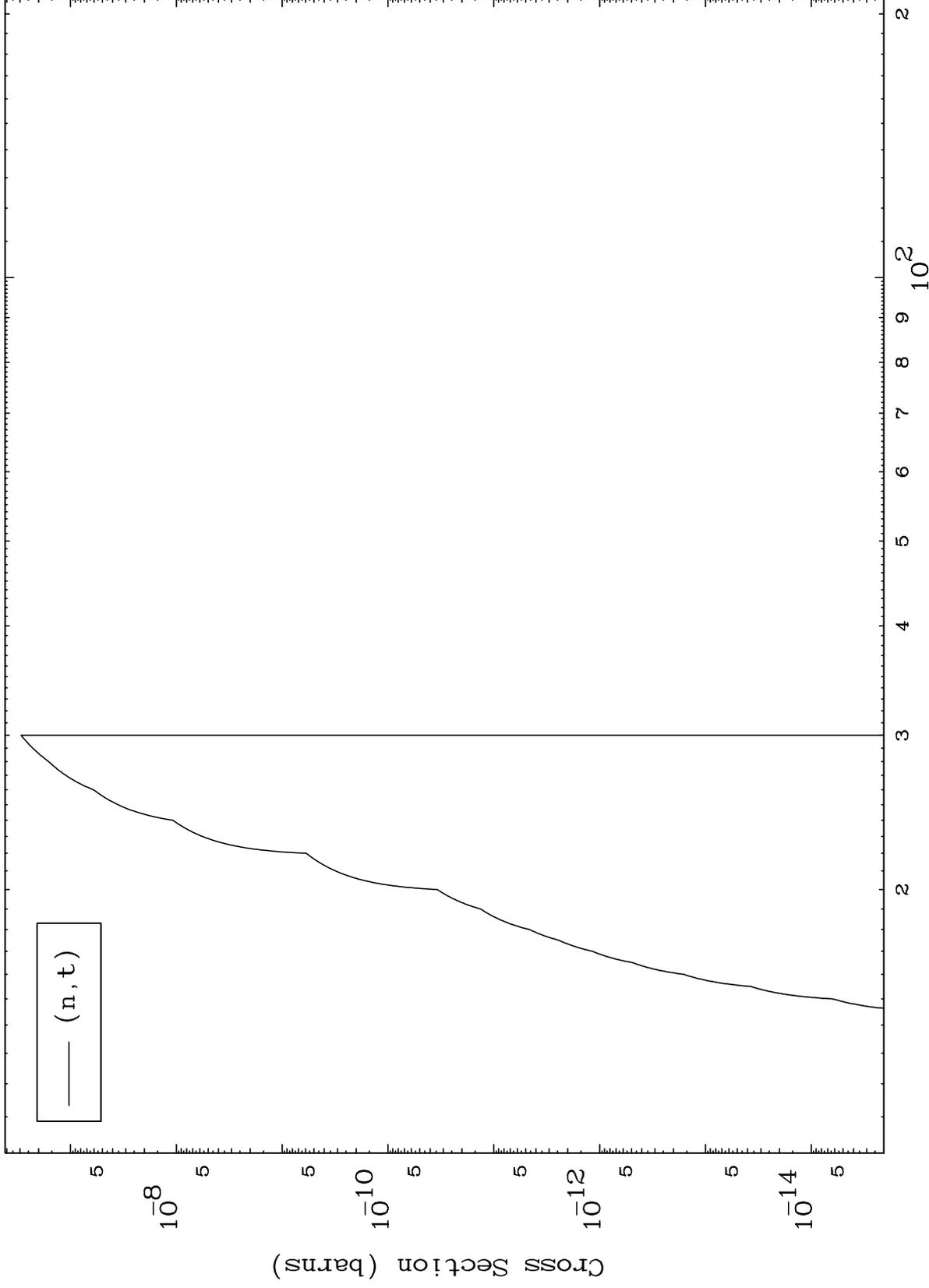
83-Bi-197



Incident Energy (MeV)

83-Bi-197

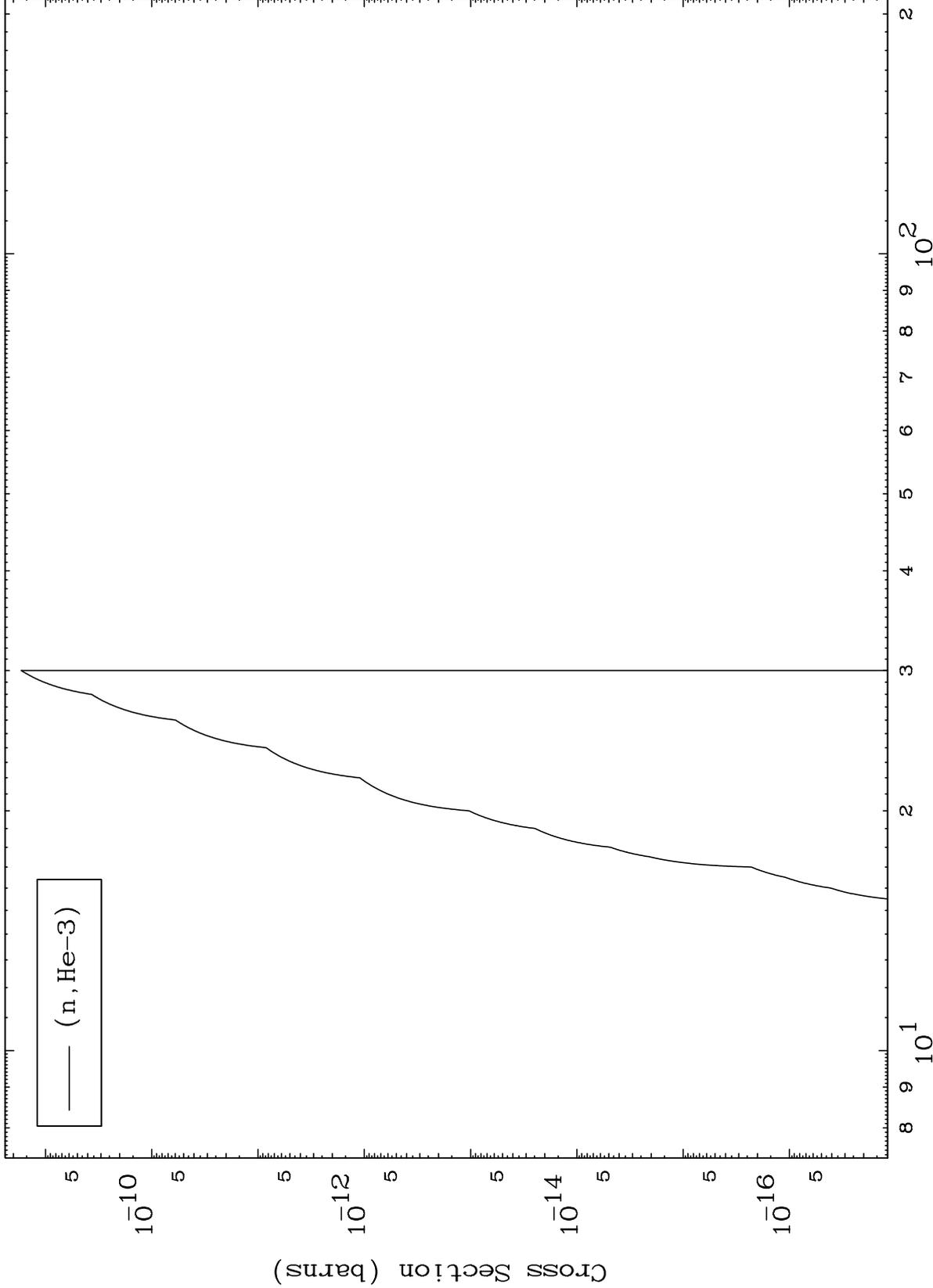
8



MAT 8289

($\gamma, \text{He}3$) Levels
0 Kelvin Cross Sections

83-Bi-197



10

Incident Energy (MeV)

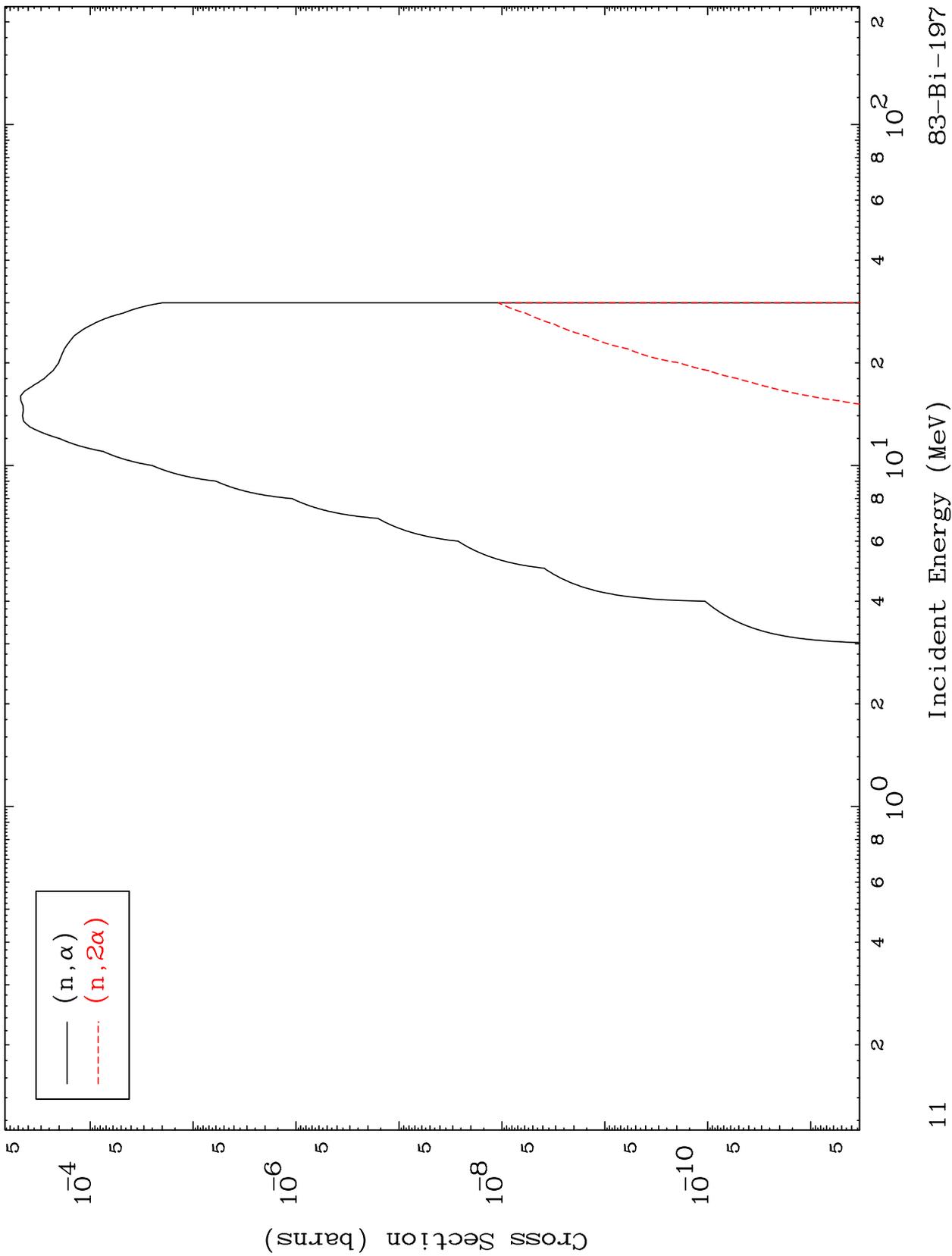
83-Bi-197

MAT 8289

(γ, α) Levels

83-Bi-197

0 Kelvin Cross Sections

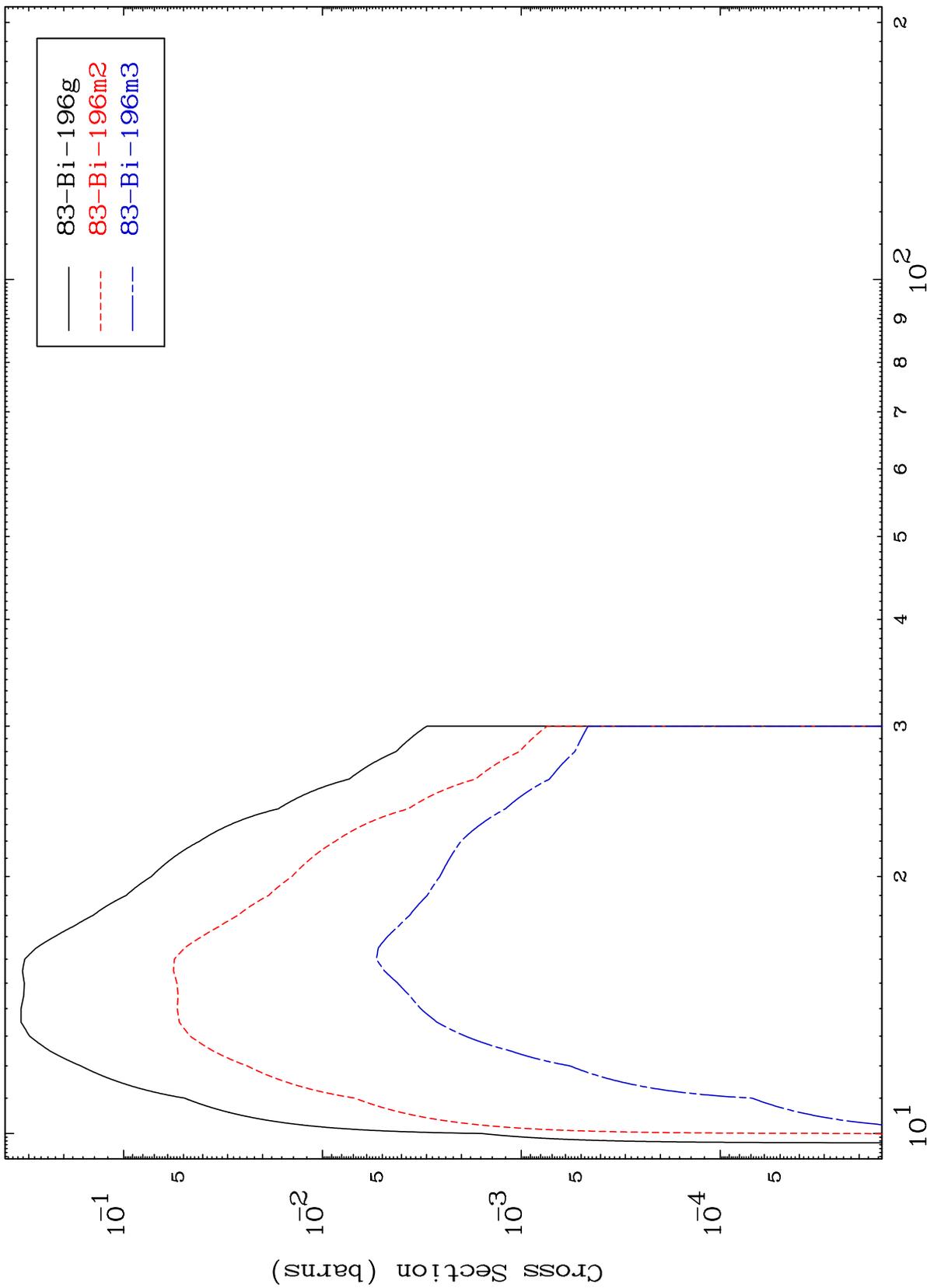


— (n, α)
- - - (n, 2α)

MAT 8289

83-Bi-197

Inelastic
Radionuclide Production Cross Section



83-Bi-197

Incident Energy (MeV)

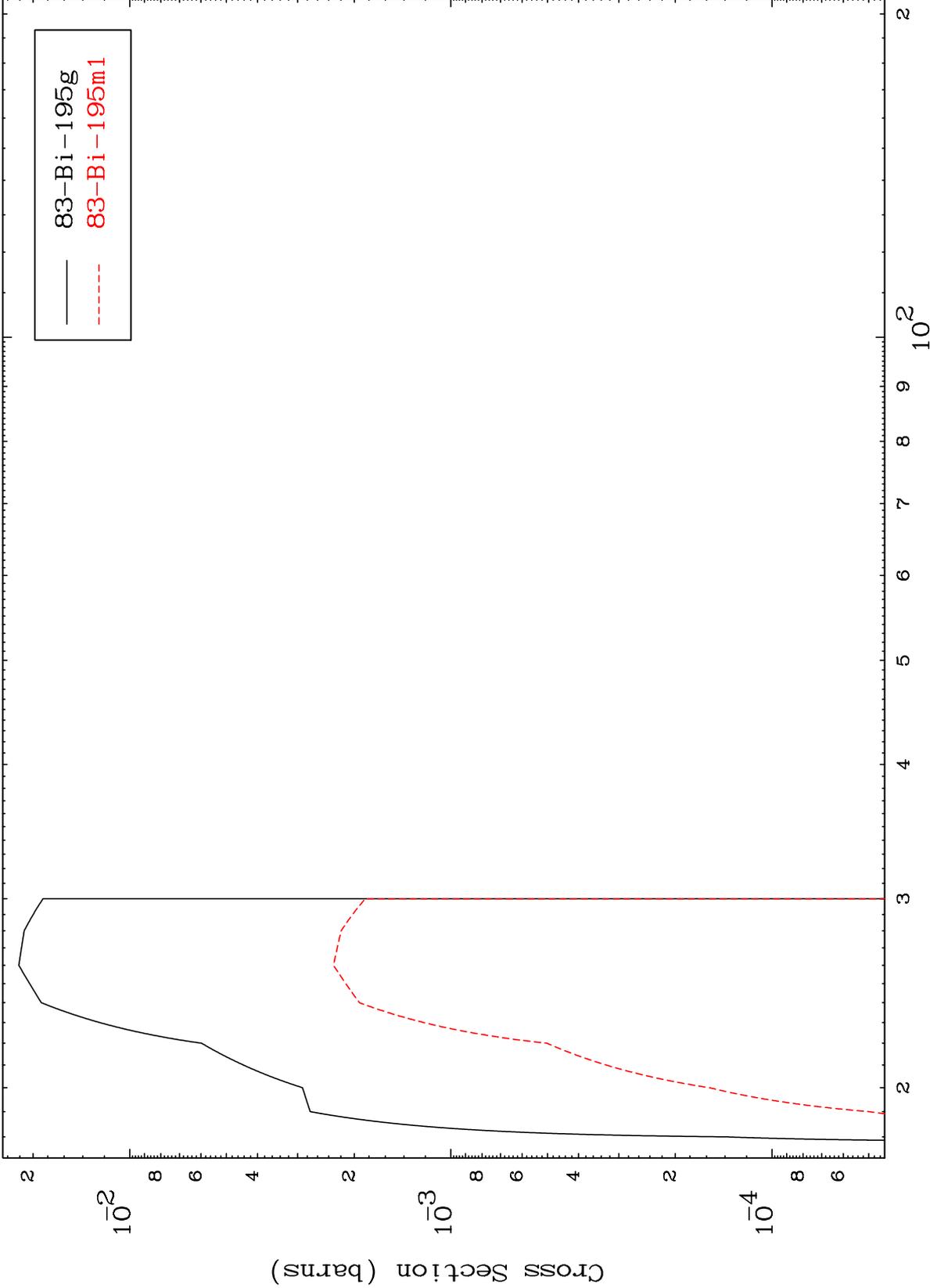
12

MAT 8289

(n,2n)

83-Bi-197

Radionuclide Production Cross Section



83-Bi-195g
83-Bi-195m1

13

Incident Energy (MeV)

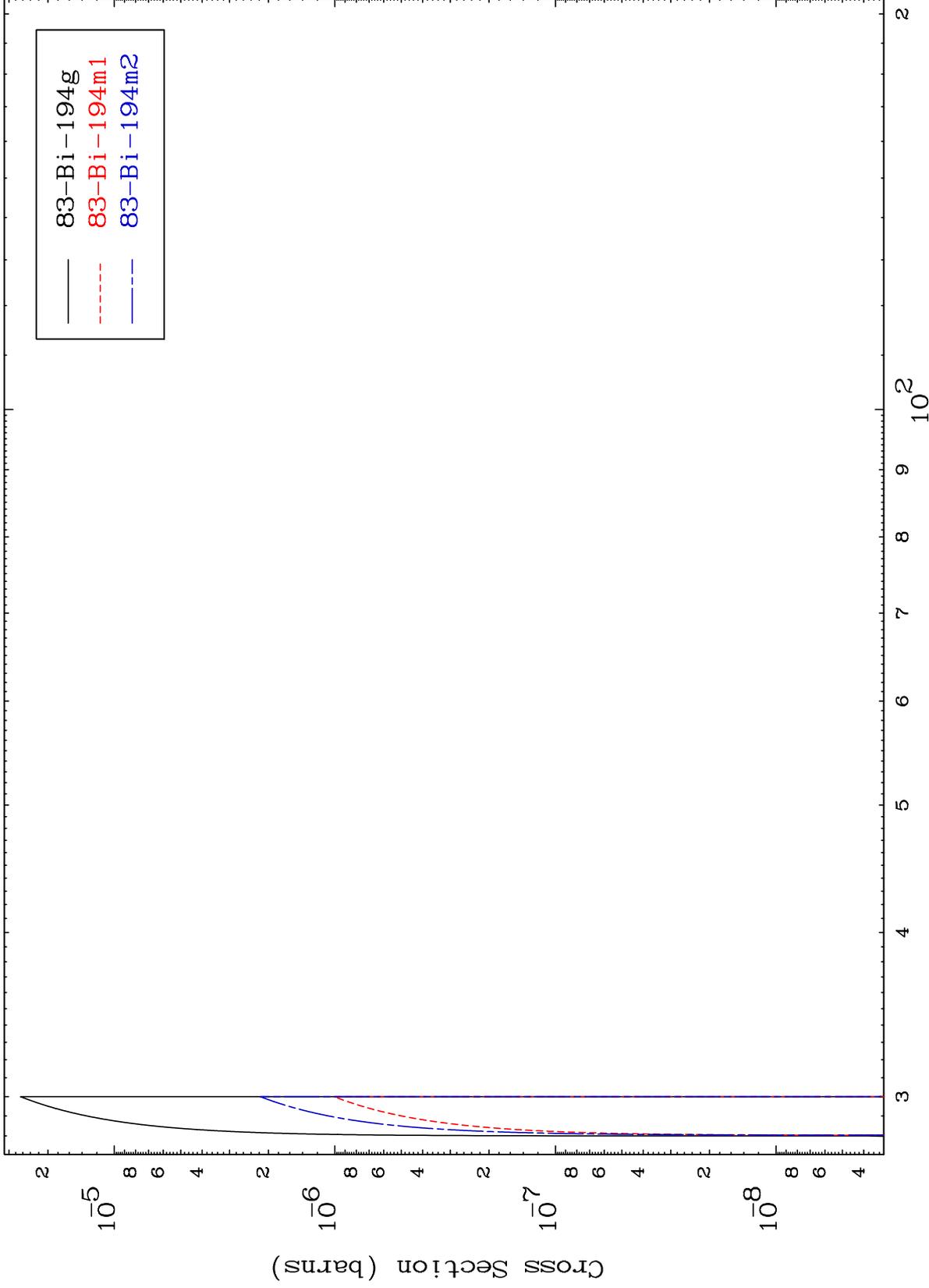
83-Bi-197

MAT 8289

(n,3n)

83-Bi-197

Radionuclide Production Cross Section



14

Incident Energy (MeV)

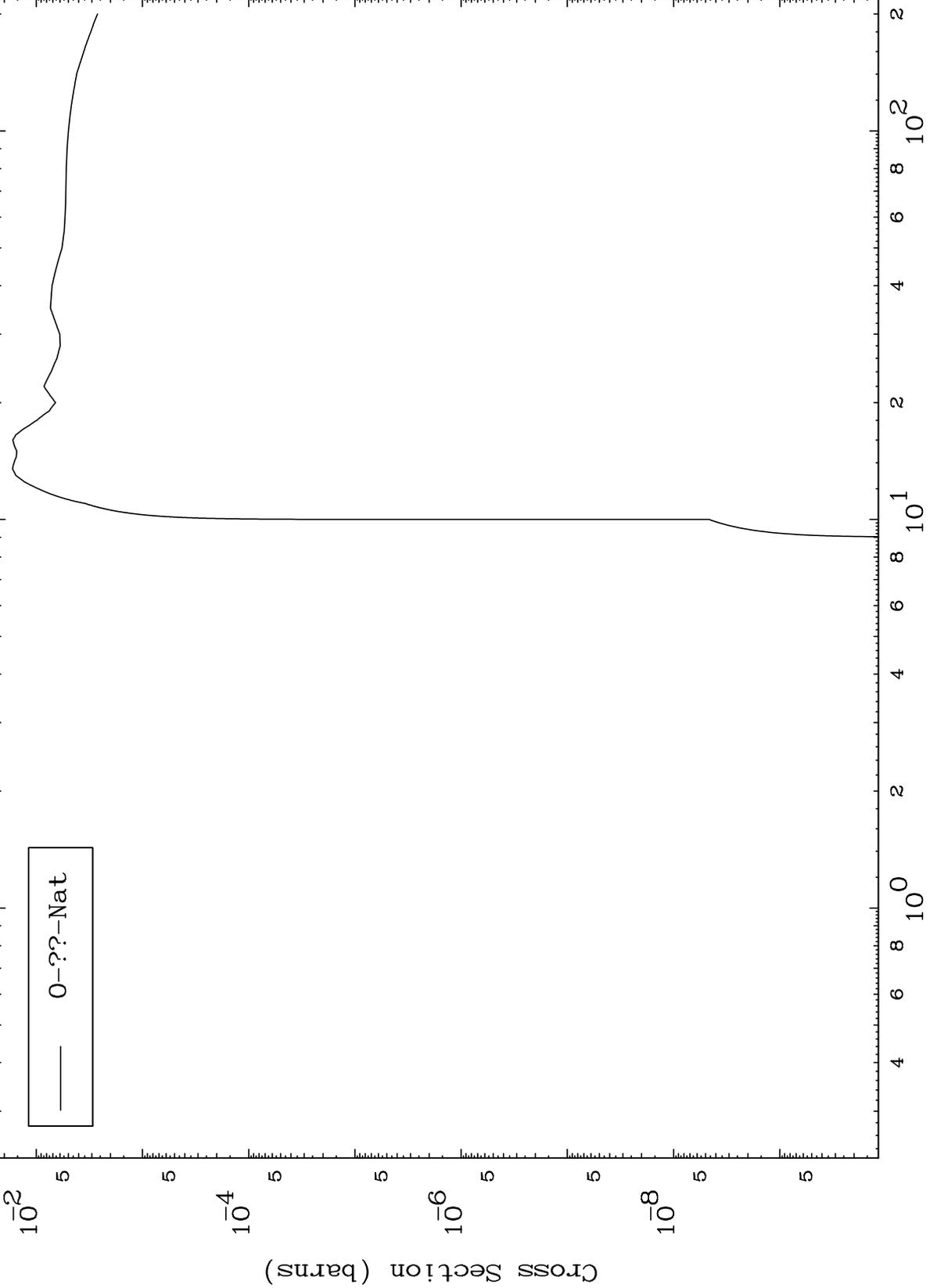
83-Bi-197

MAT 8289

Fission

83-Bi-197

Radionuclide Production Cross Section

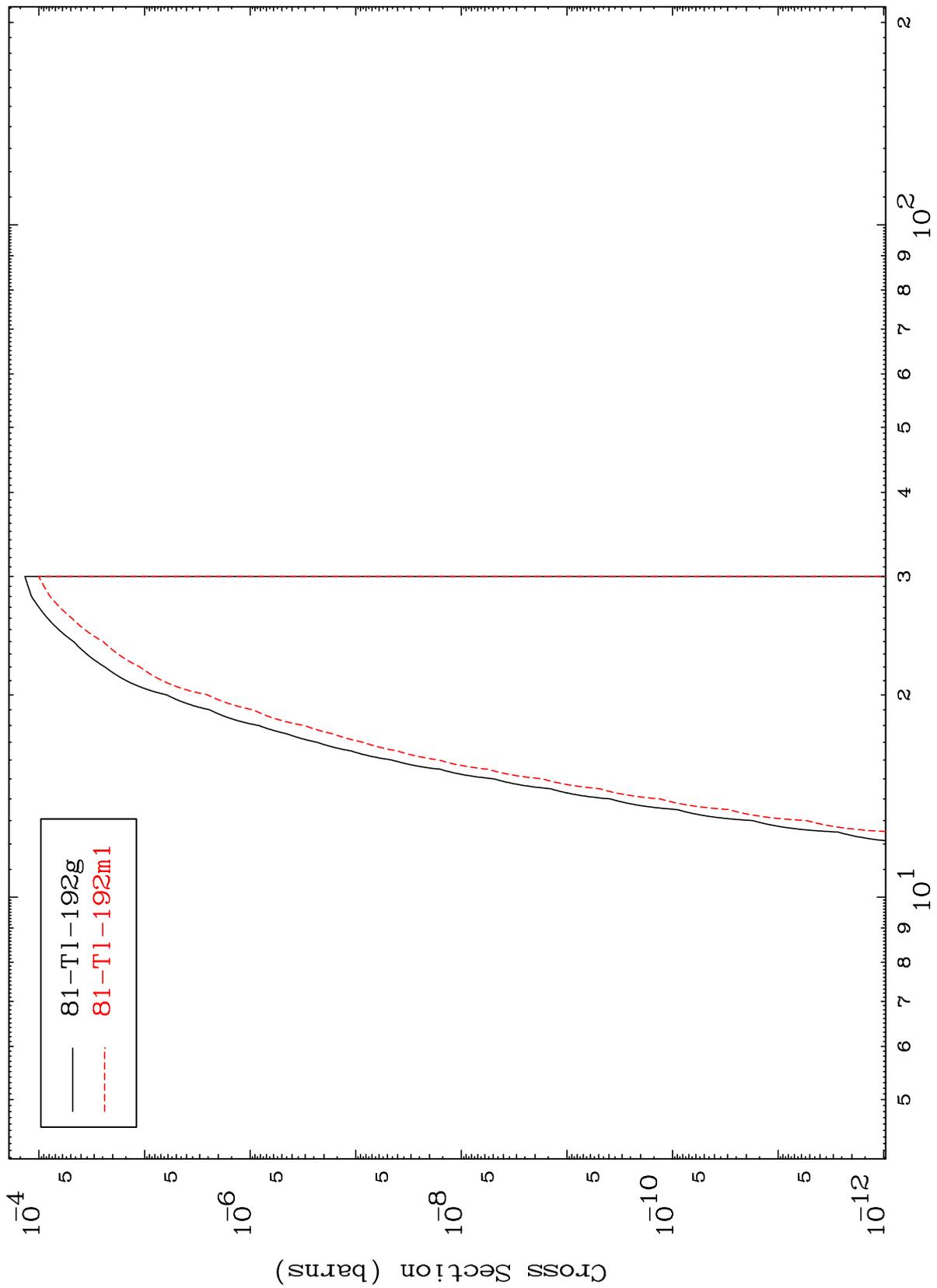


MAT 8289

83-Bi-197

(n,n') α

Radionuclide Production Cross Section



81-Tl-192g
81-Tl-192m1

16

Incident Energy (MeV)

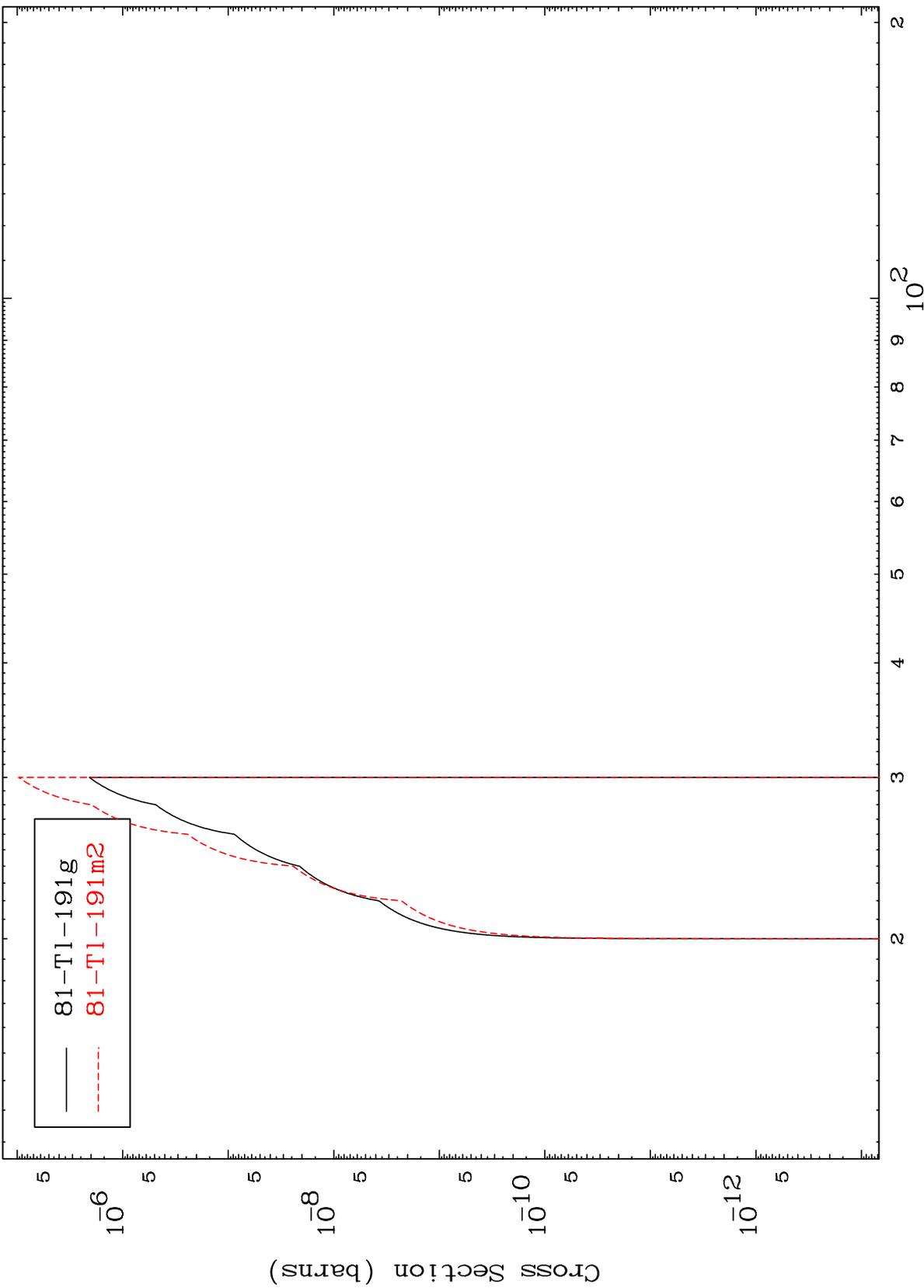
83-Bi-197

MAT 8289

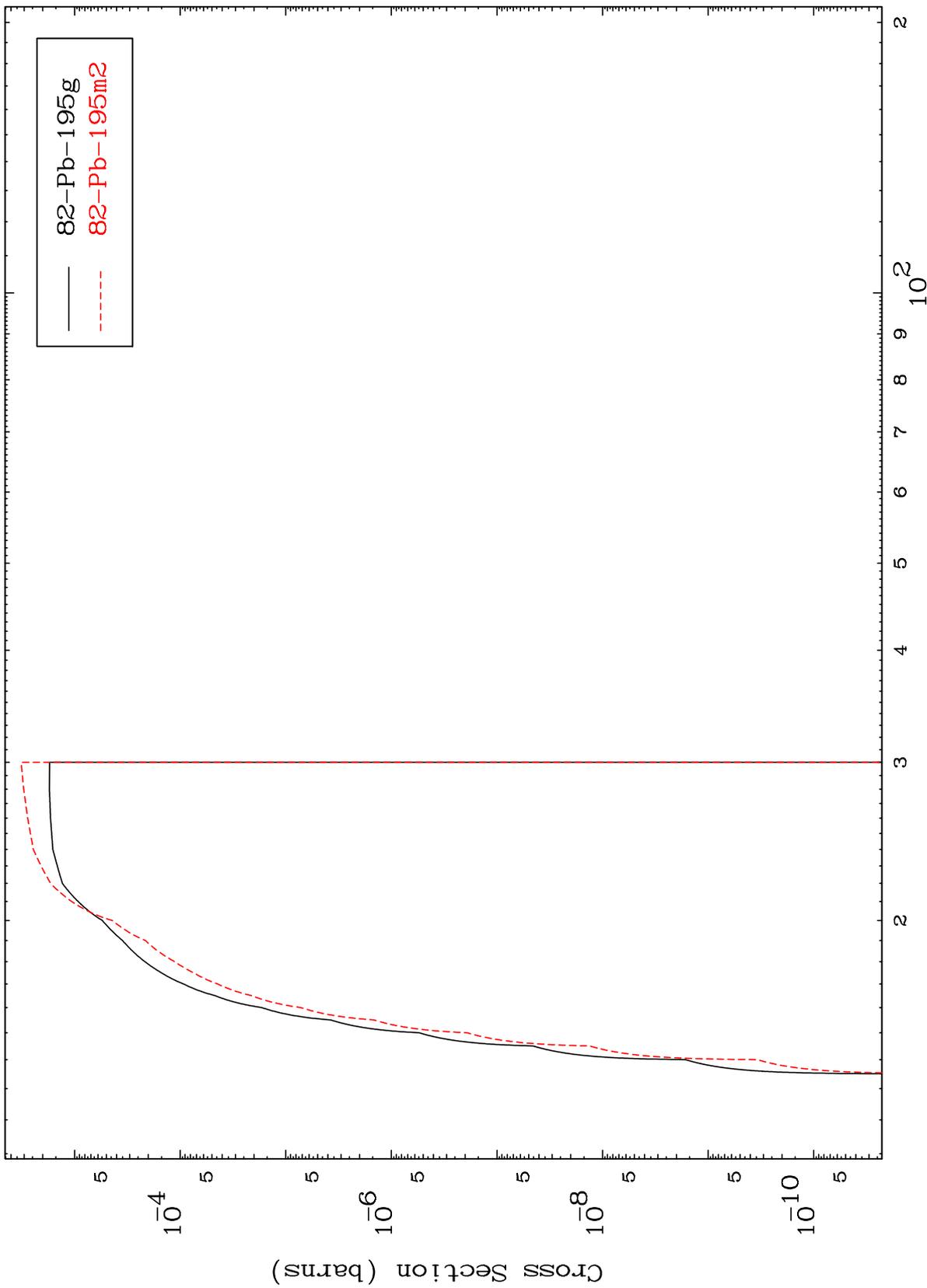
$(n,2n) \alpha$

83-Bi-197

Radionuclide Production Cross Section



Radionuclide Production Cross Section

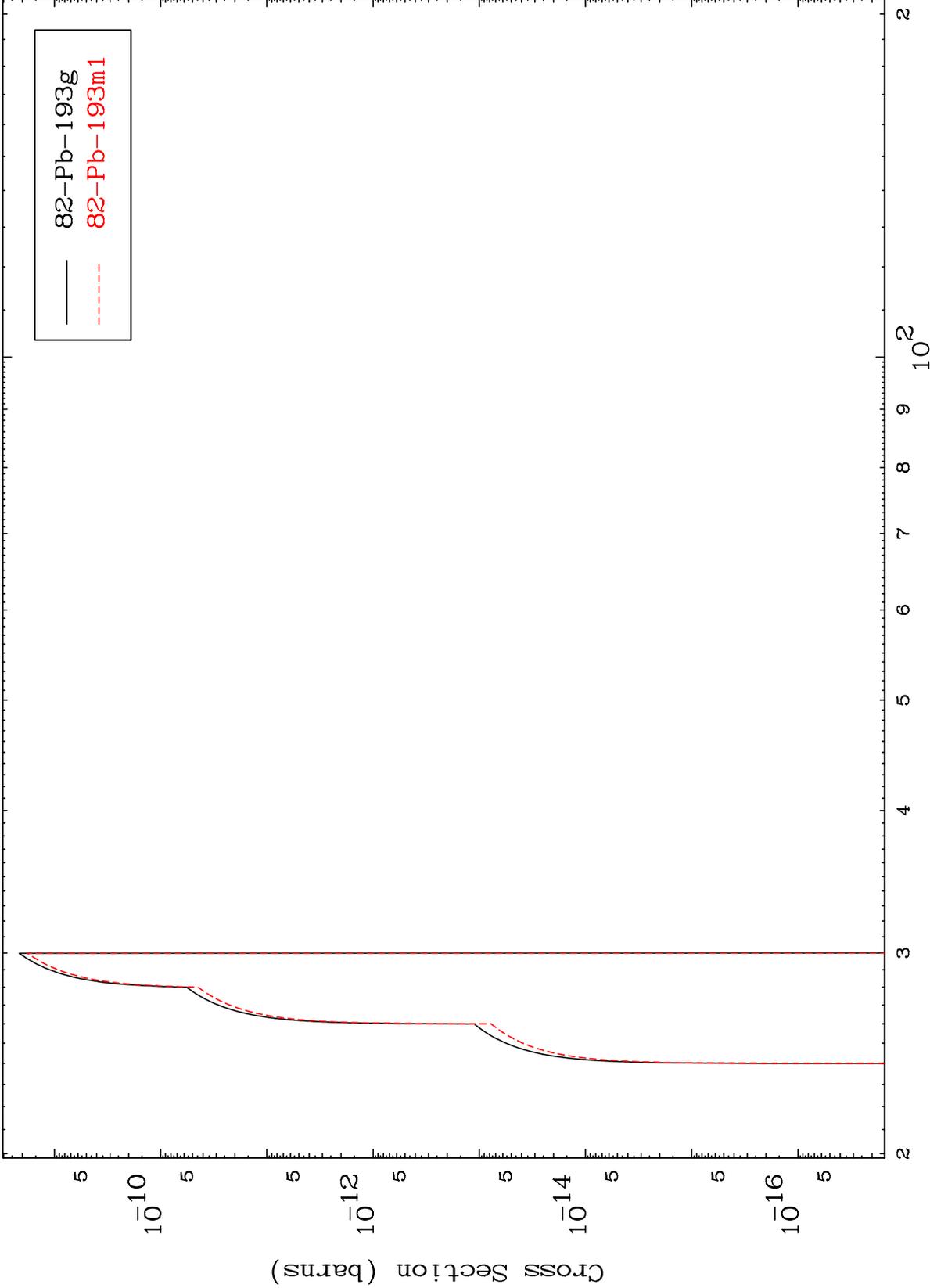


MAT 8289

(n,n') t

83-Bi-197

Radionuclide Production Cross Section



19

Incident Energy (MeV)

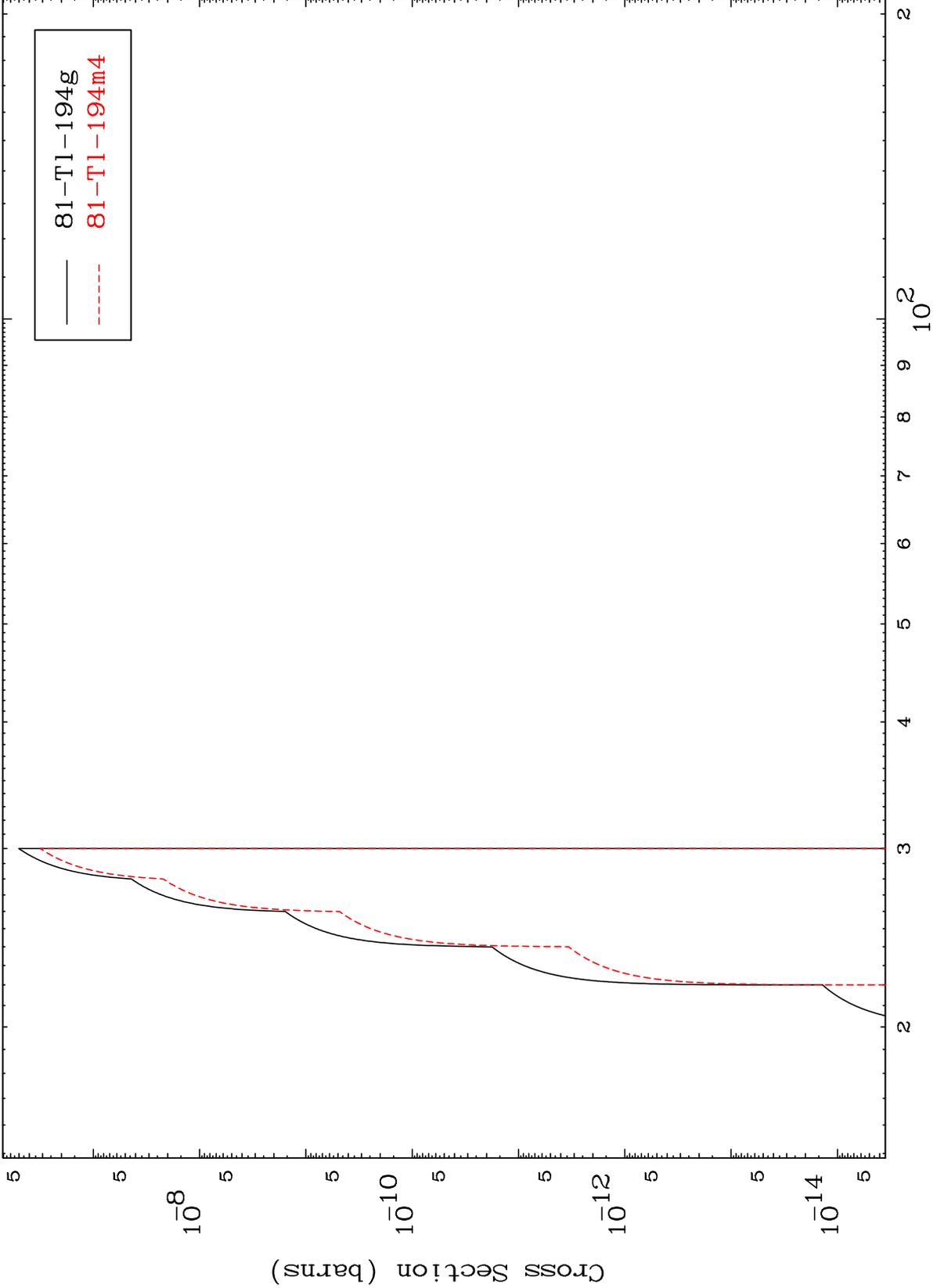
83-Bi-197

MAT 8289

(n,2n) p

83-Bi-197

Radionuclide Production Cross Section



20

Incident Energy (MeV)

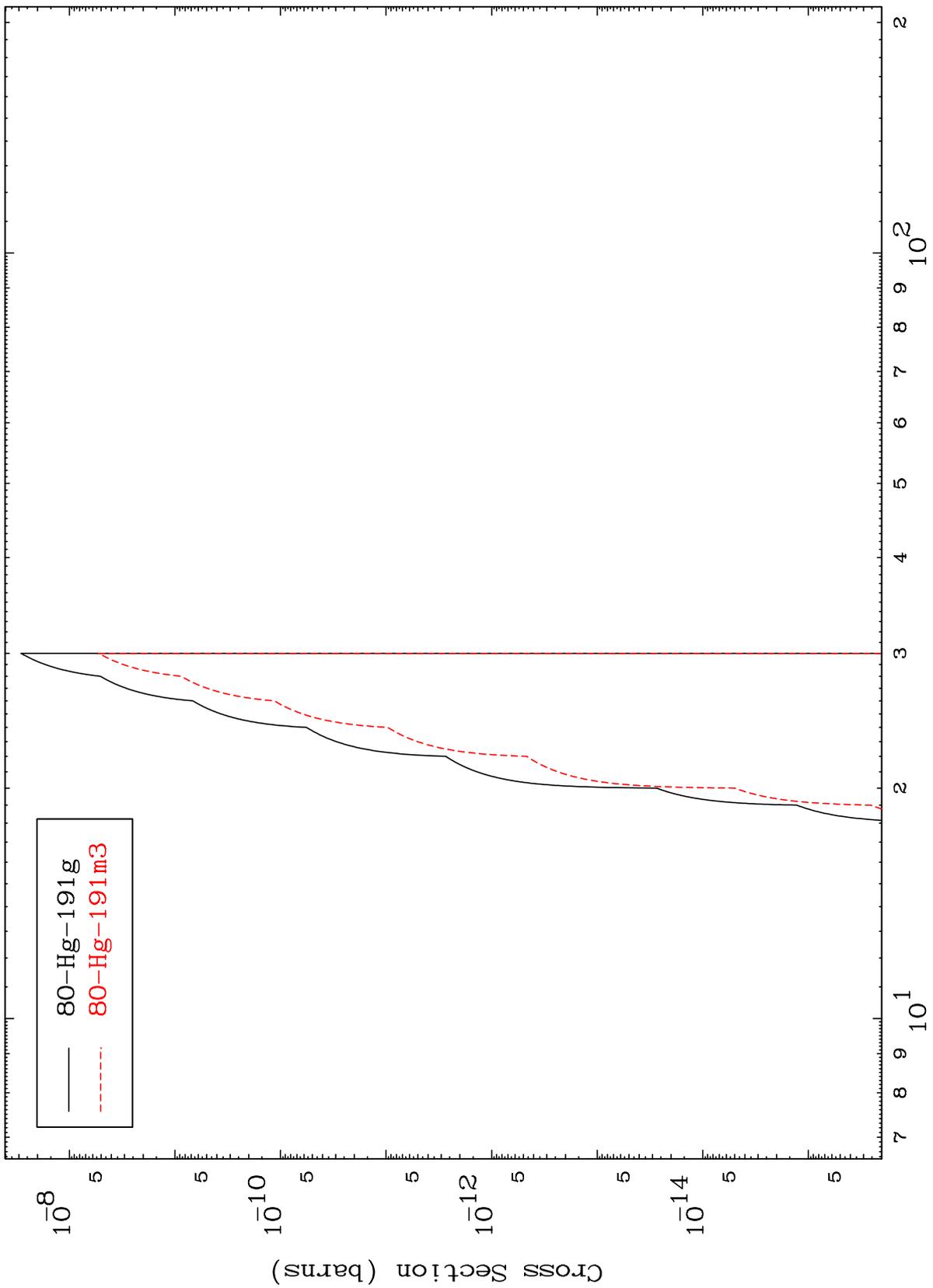
83-Bi-197

MAT 8289

(n,n') p α

83-Bi-197

Radionuclide Production Cross Section

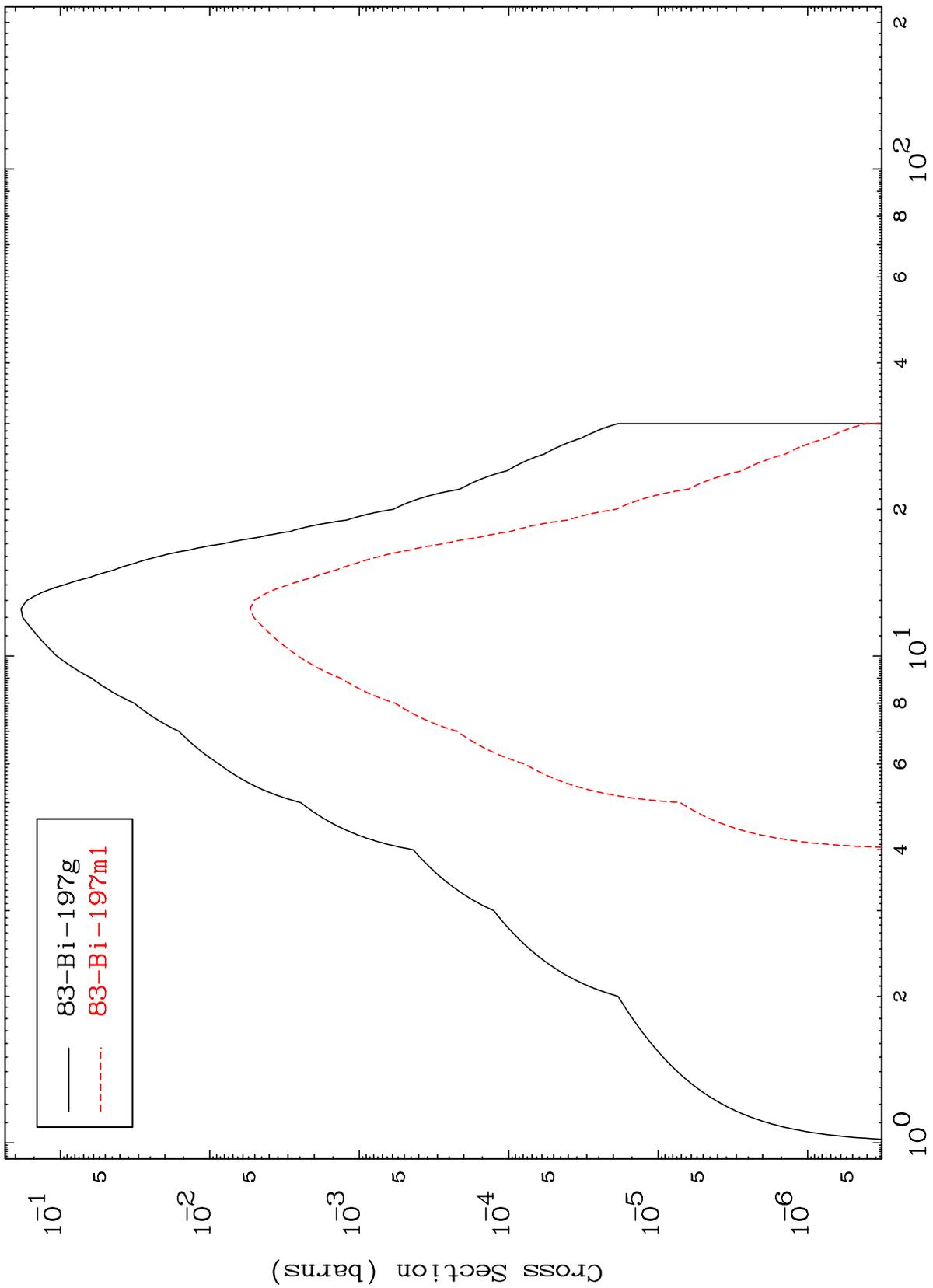


80-Hg-191g
80-Hg-191m3

MAT 8289

83-Bi-197

Radionuclide Production Cross Section
(n,γ)



— 83-Bi-197g
- - - 83-Bi-197m1

83-Bi-197

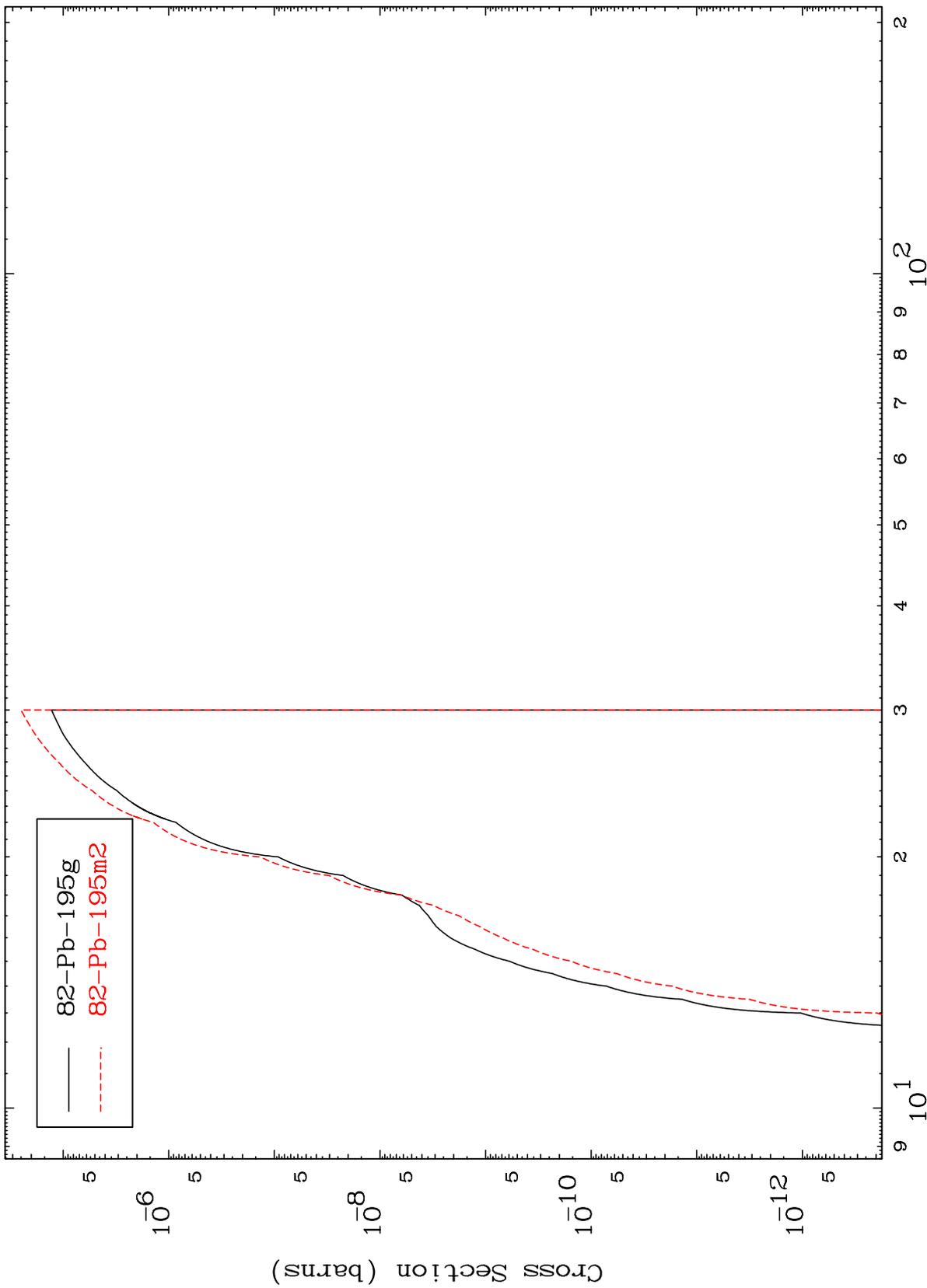
Incident Energy (MeV)

22

MAT 8289

83-Bi-197

(n,d)
Radionuclide Production Cross Section



83-Bi-197

Incident Energy (MeV)

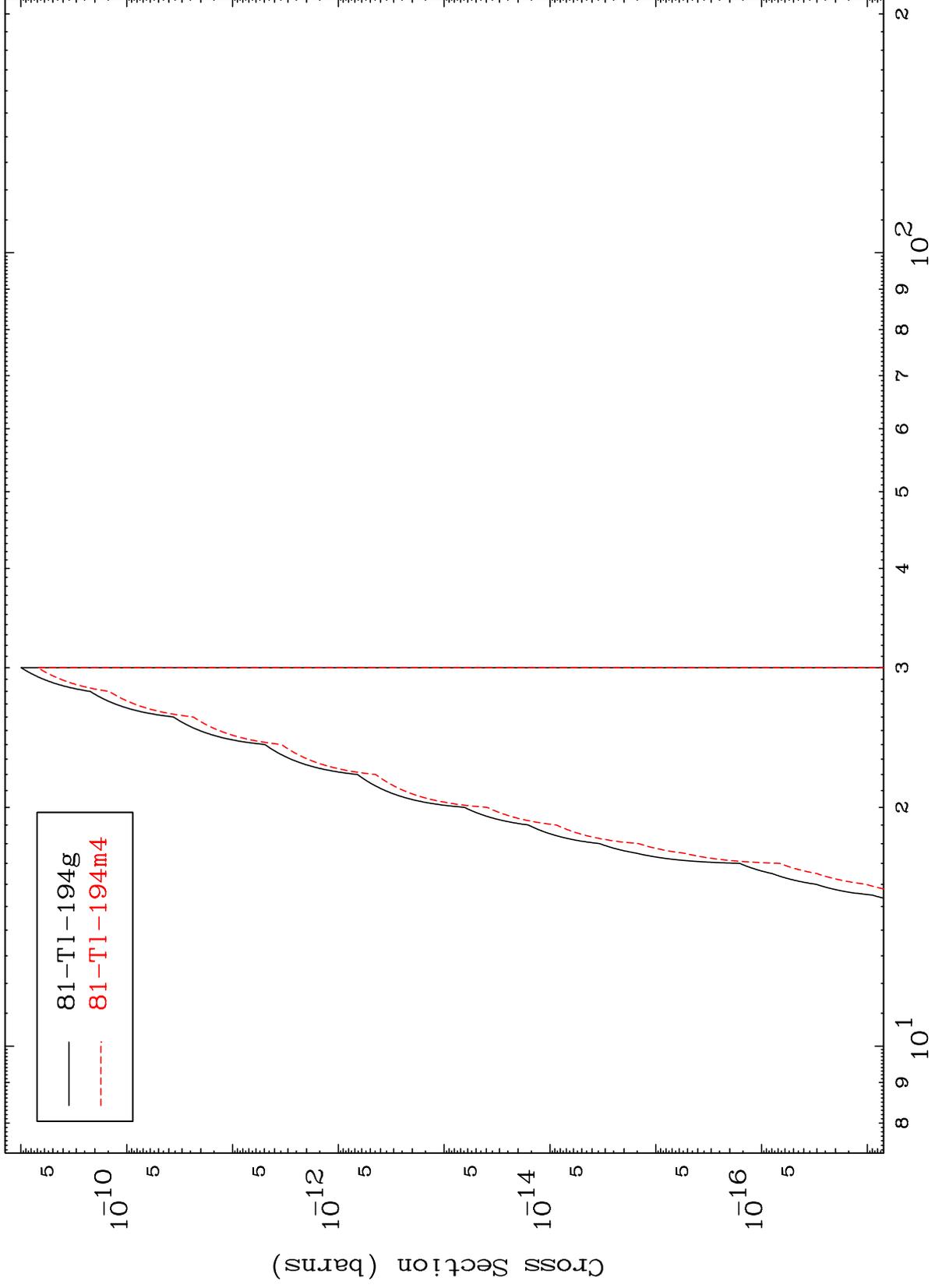
23

MAT 8289

(n,He-3)

83-Bi-197

Radionuclide Production Cross Section



24

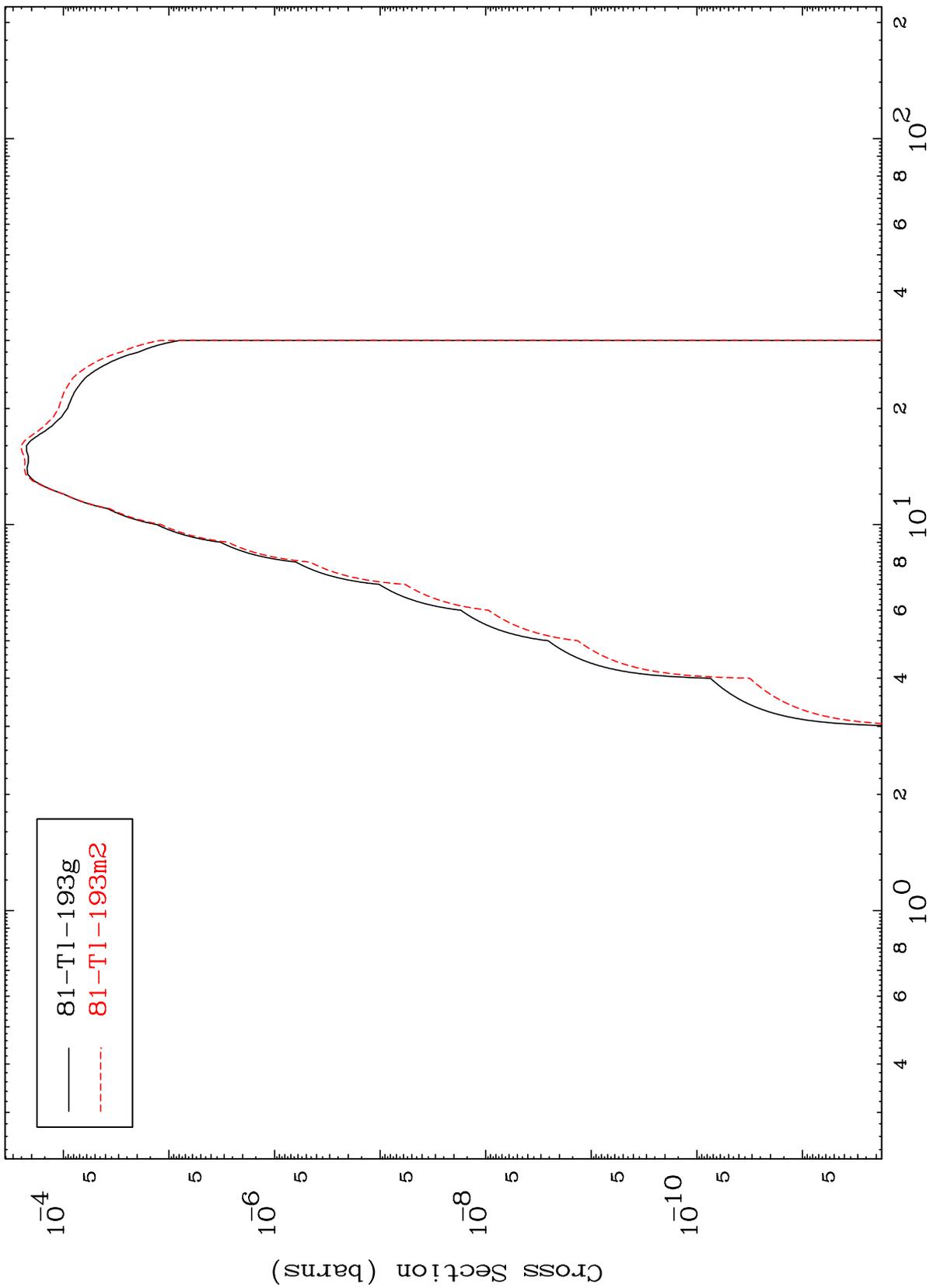
Incident Energy (MeV)

83-Bi-197

MAT 8289

83-Bi-197

(n, α)
Radionuclide Production Cross Section



83-Bi-197

Incident Energy (MeV)

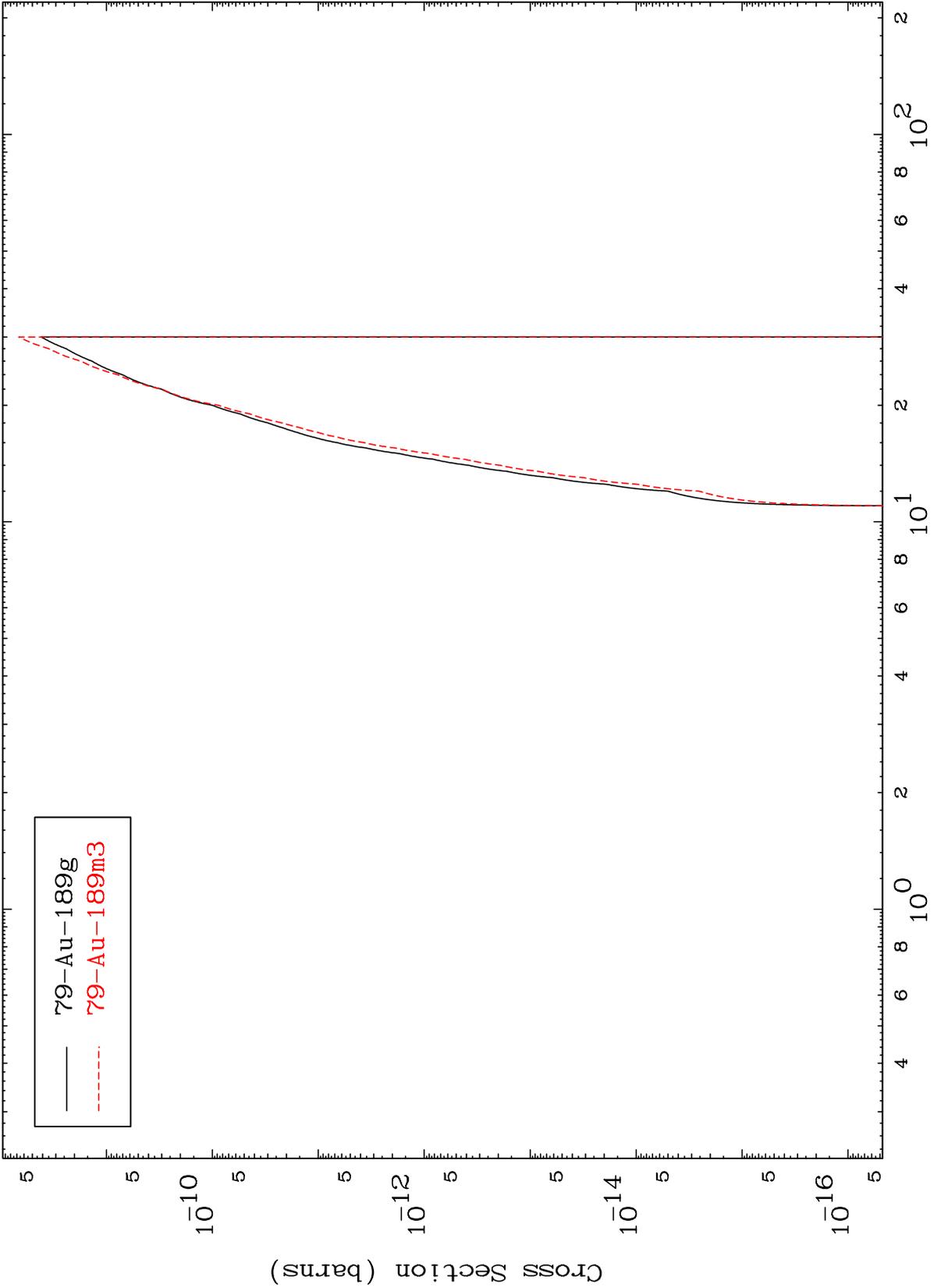
25

MAT 8289

(n,2α)

83-Bi-197

Radionuclide Production Cross Section



26

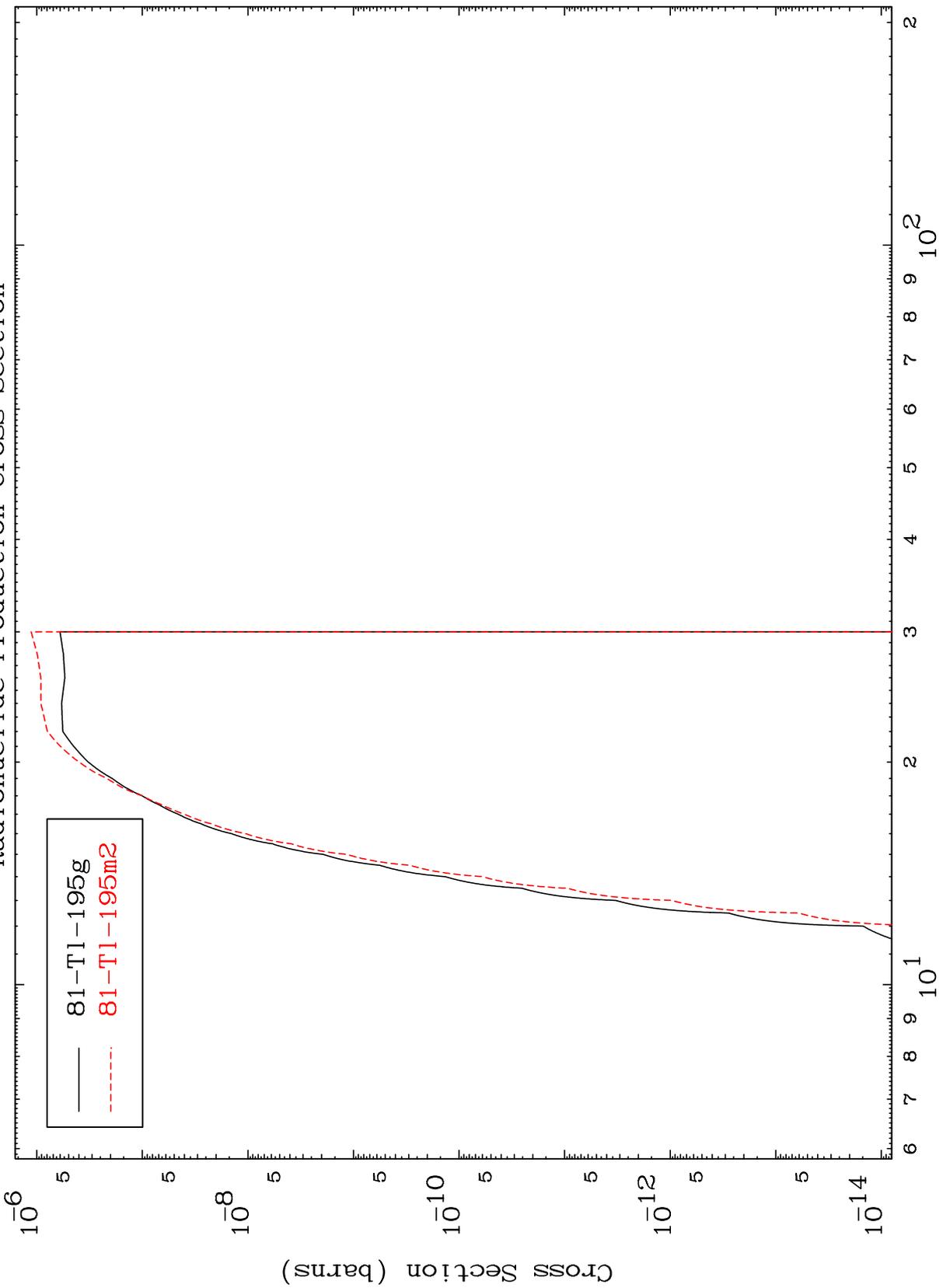
Incident Energy (MeV)

83-Bi-197

MAT 8289

83-Bi-197

(n,2p)
Radionuclide Production Cross Section



81-Tl-195g
81-Tl-195m2

27

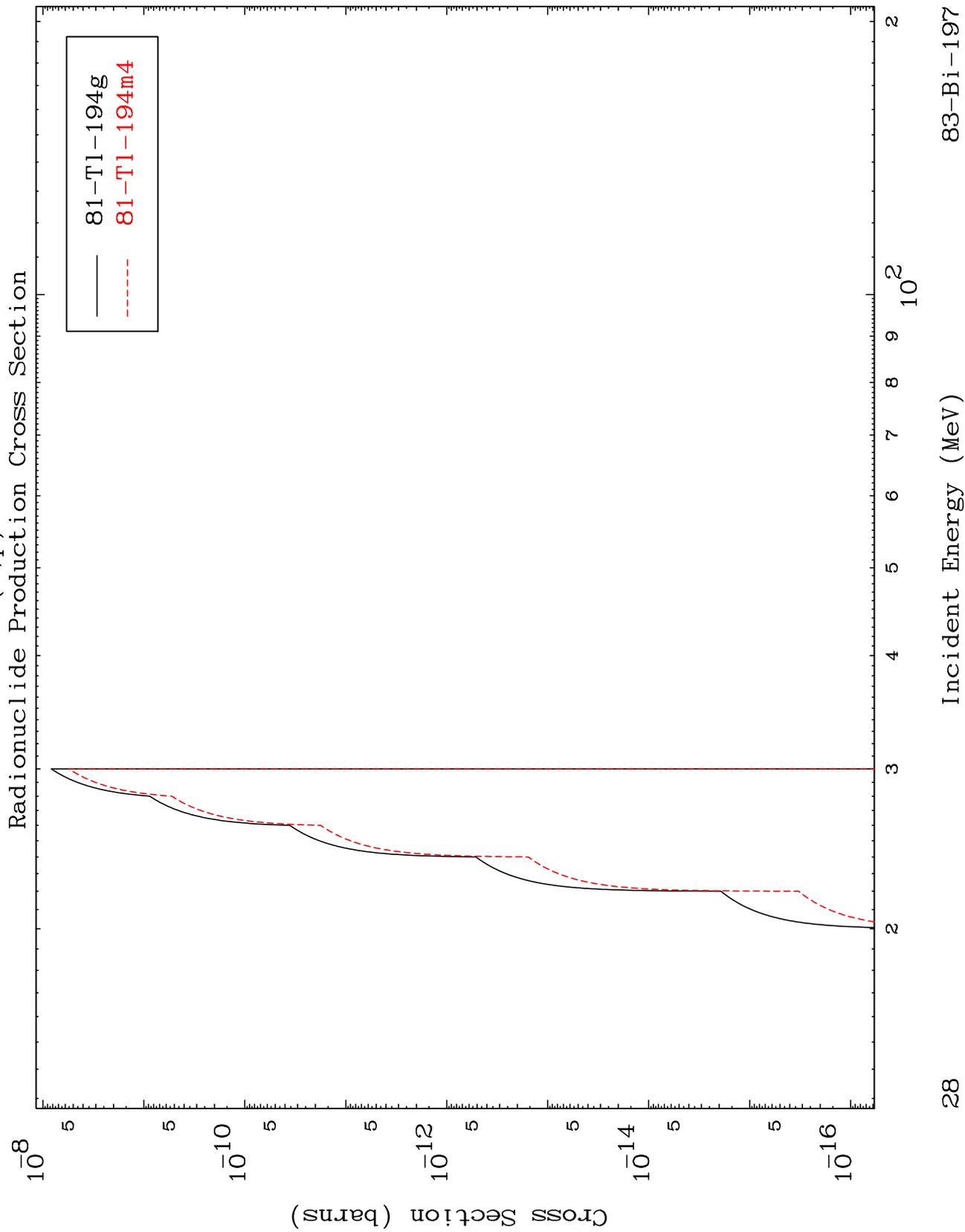
83-Bi-197

Incident Energy (MeV)

MAT 8289

(n,p) d

83-Bi-197



28

83-Bi-197