

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

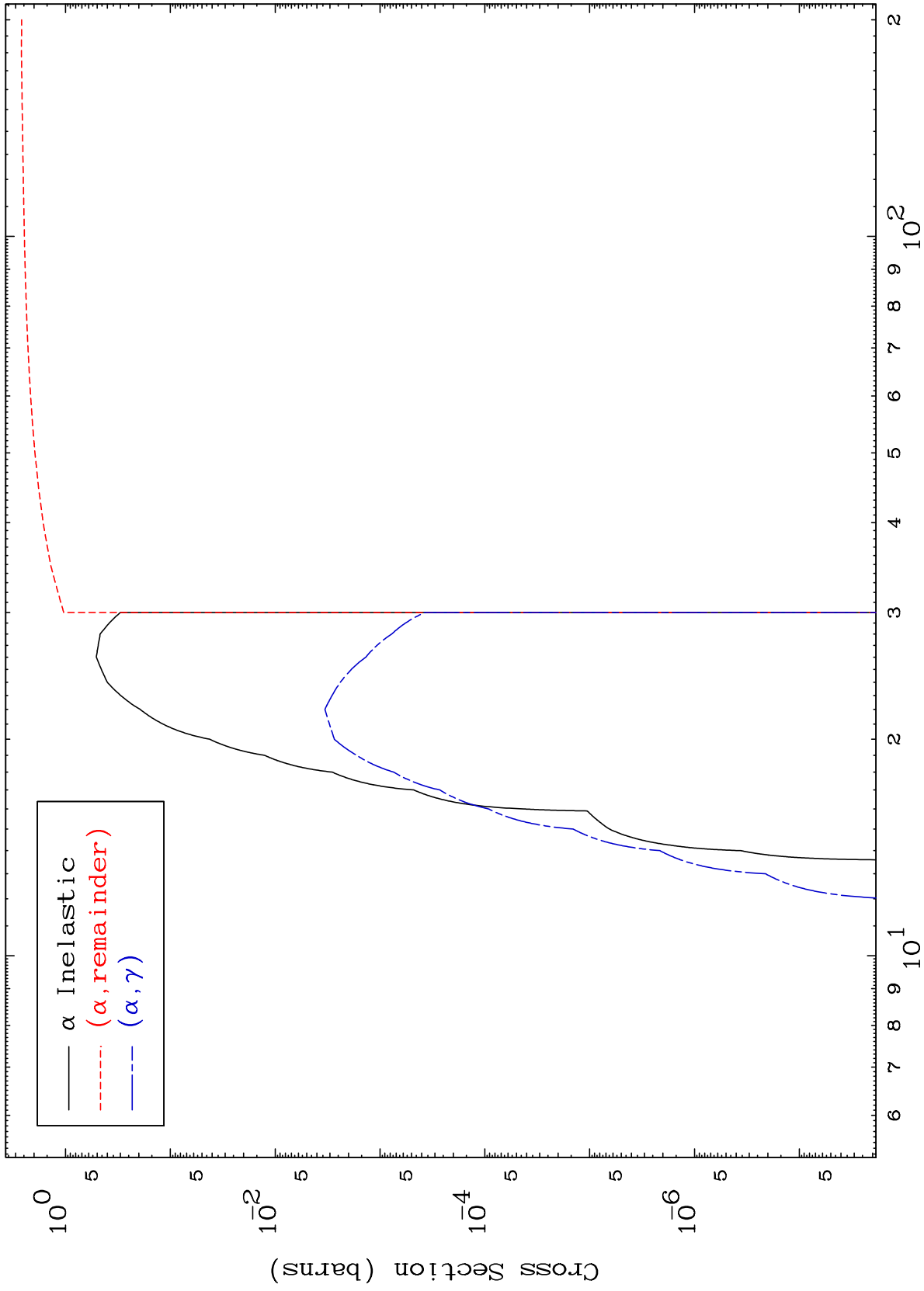
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7999

0 Kelvin α Major
Cross Sections

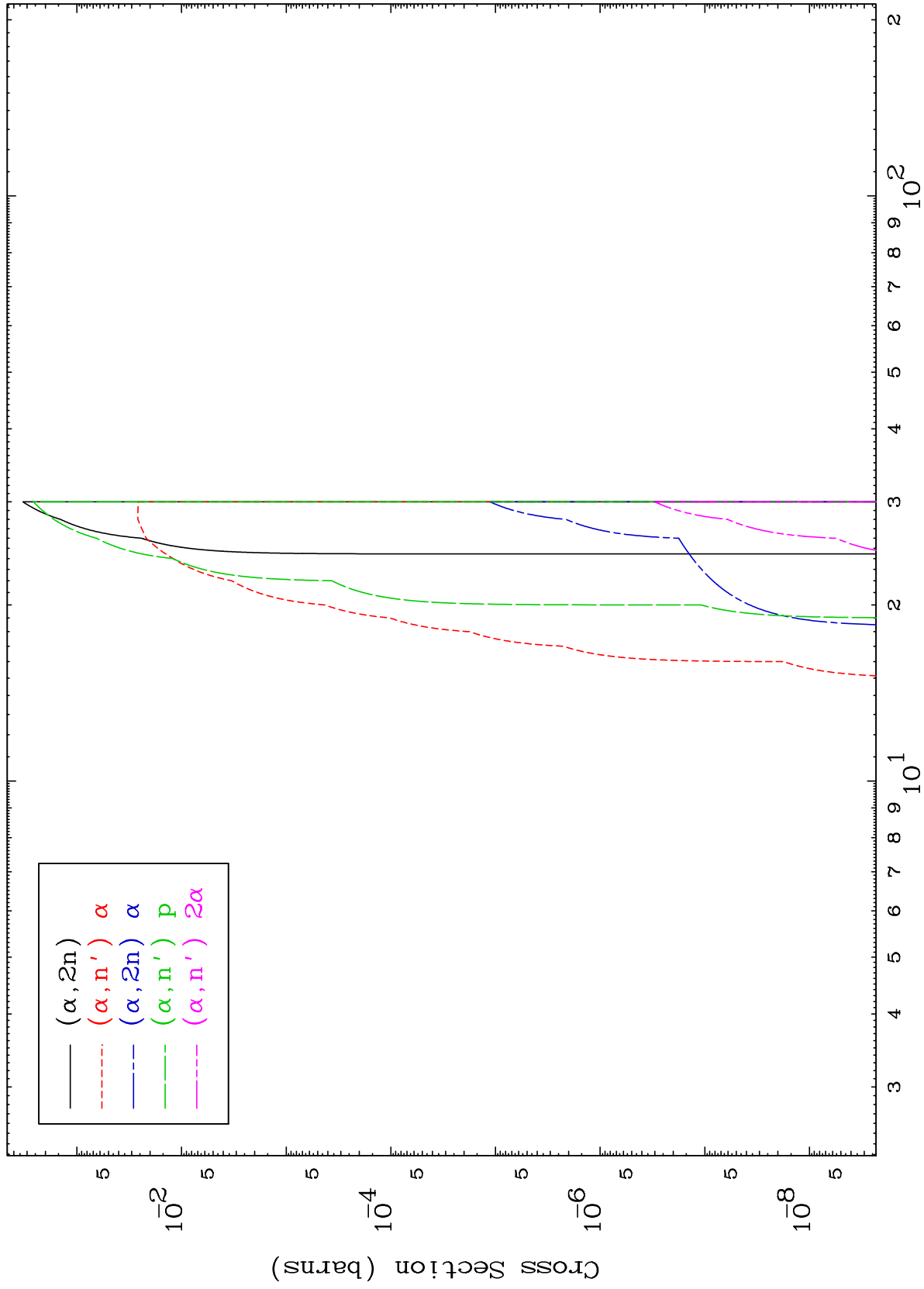
80-Hg-187



MAT 7999

α Neutron Production
0 Kelvin Cross Sections

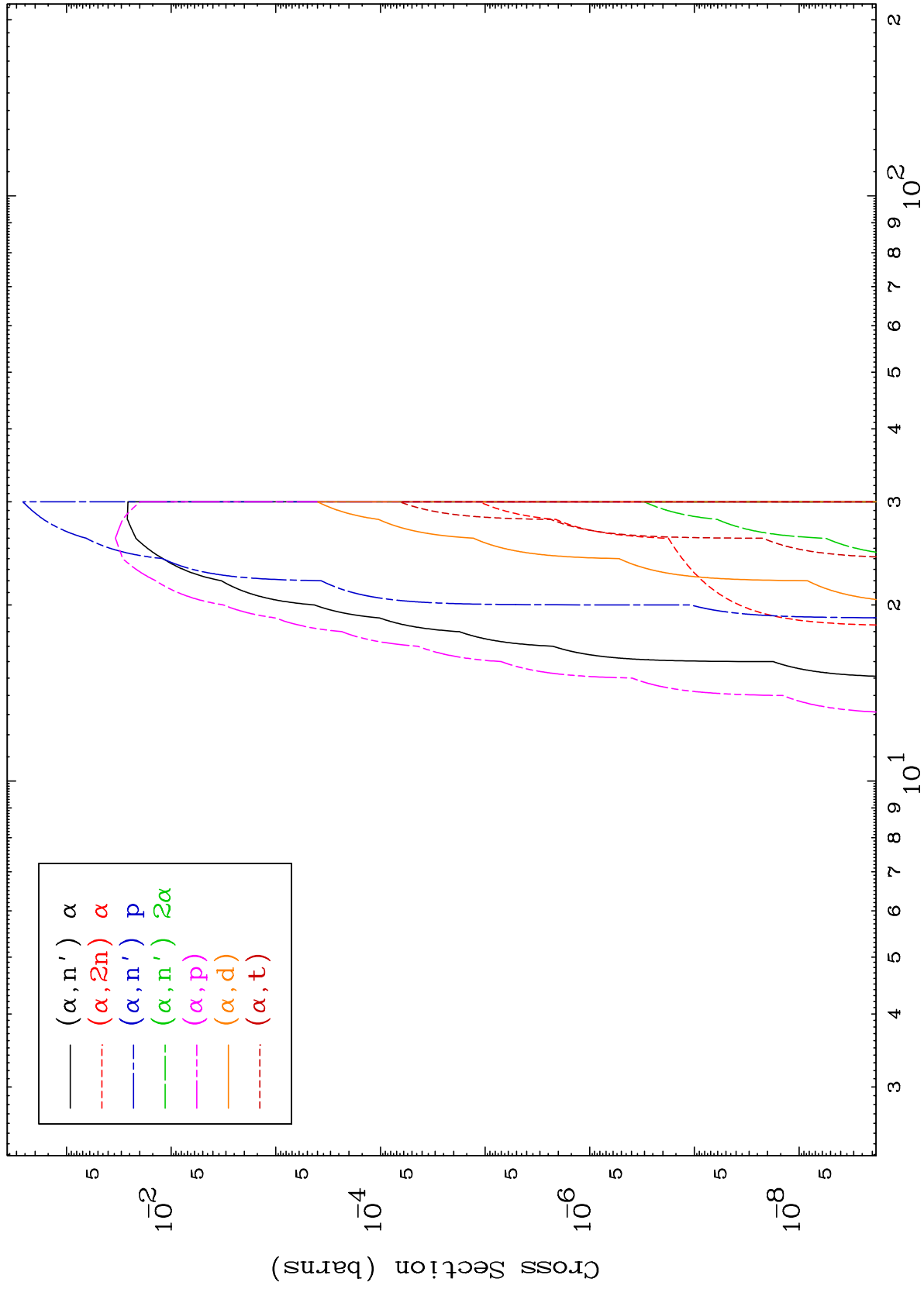
80-Hg-187



2

Incident Energy (MeV)

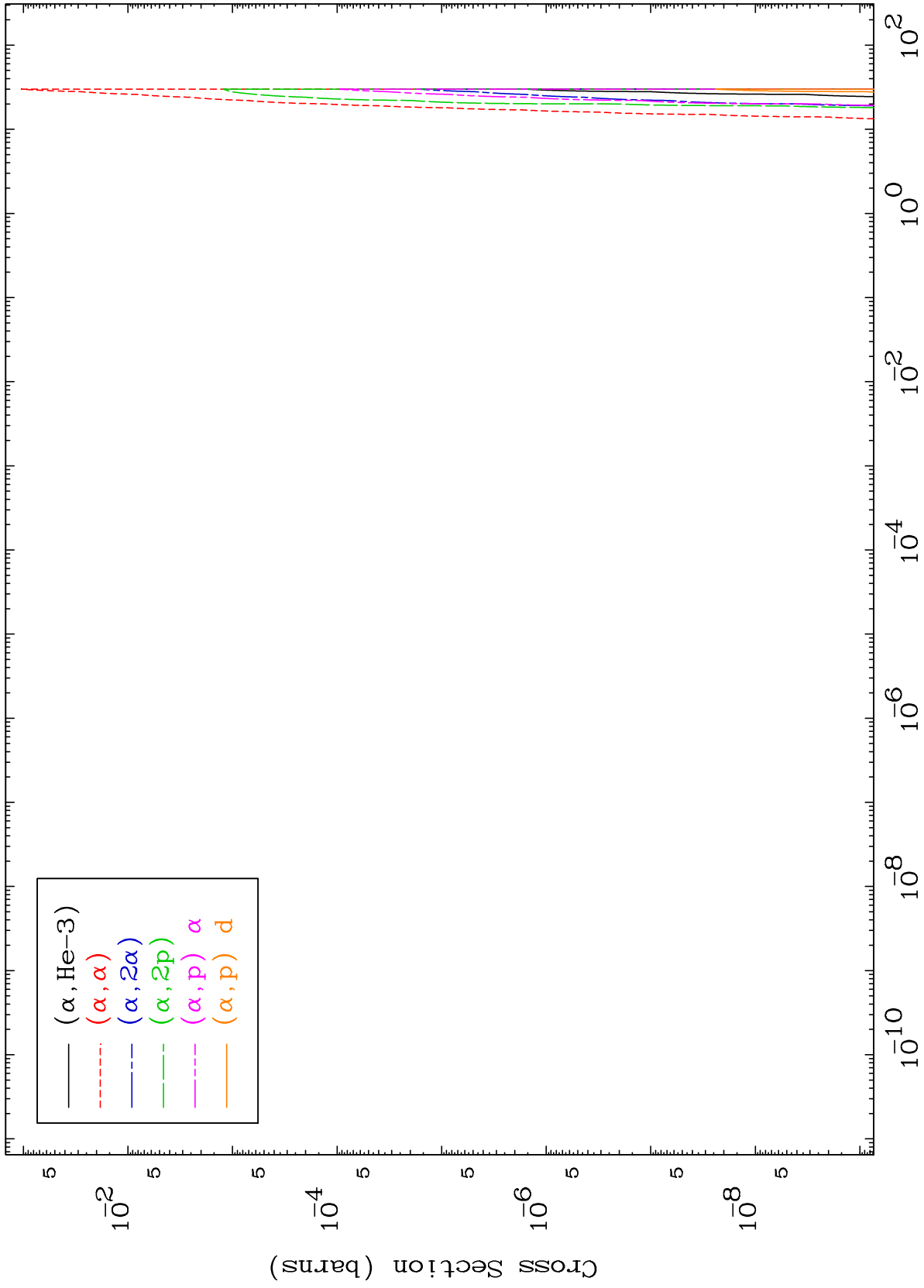
80-Hg-187



MAT 7999

α Charged Particle
0 Kelvin Cross Sections

80-Hg-187

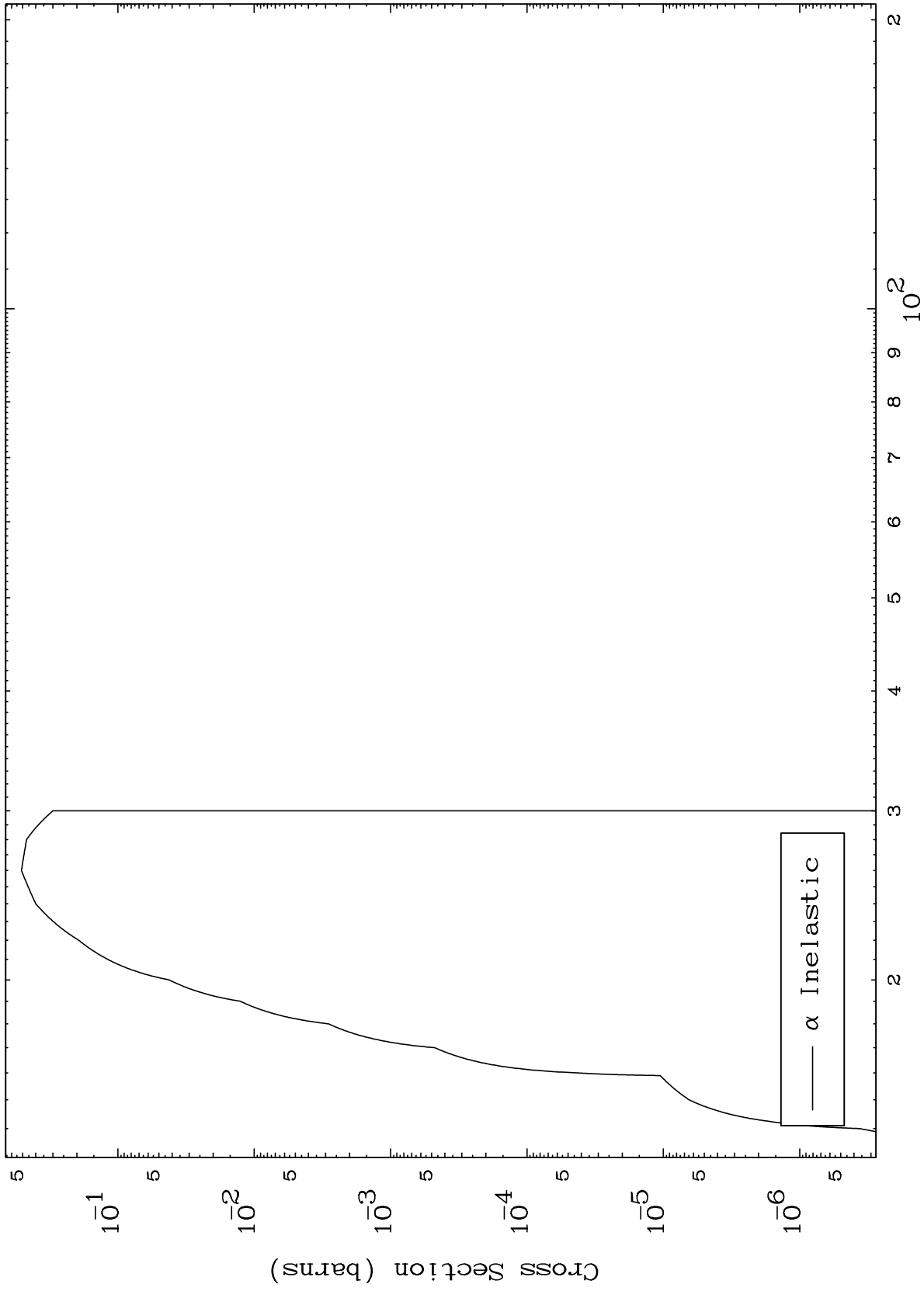


80-Hg-187

MAT 7999

(α, n') Level
0 Kelvin Cross Sections

80-Hg-187



5

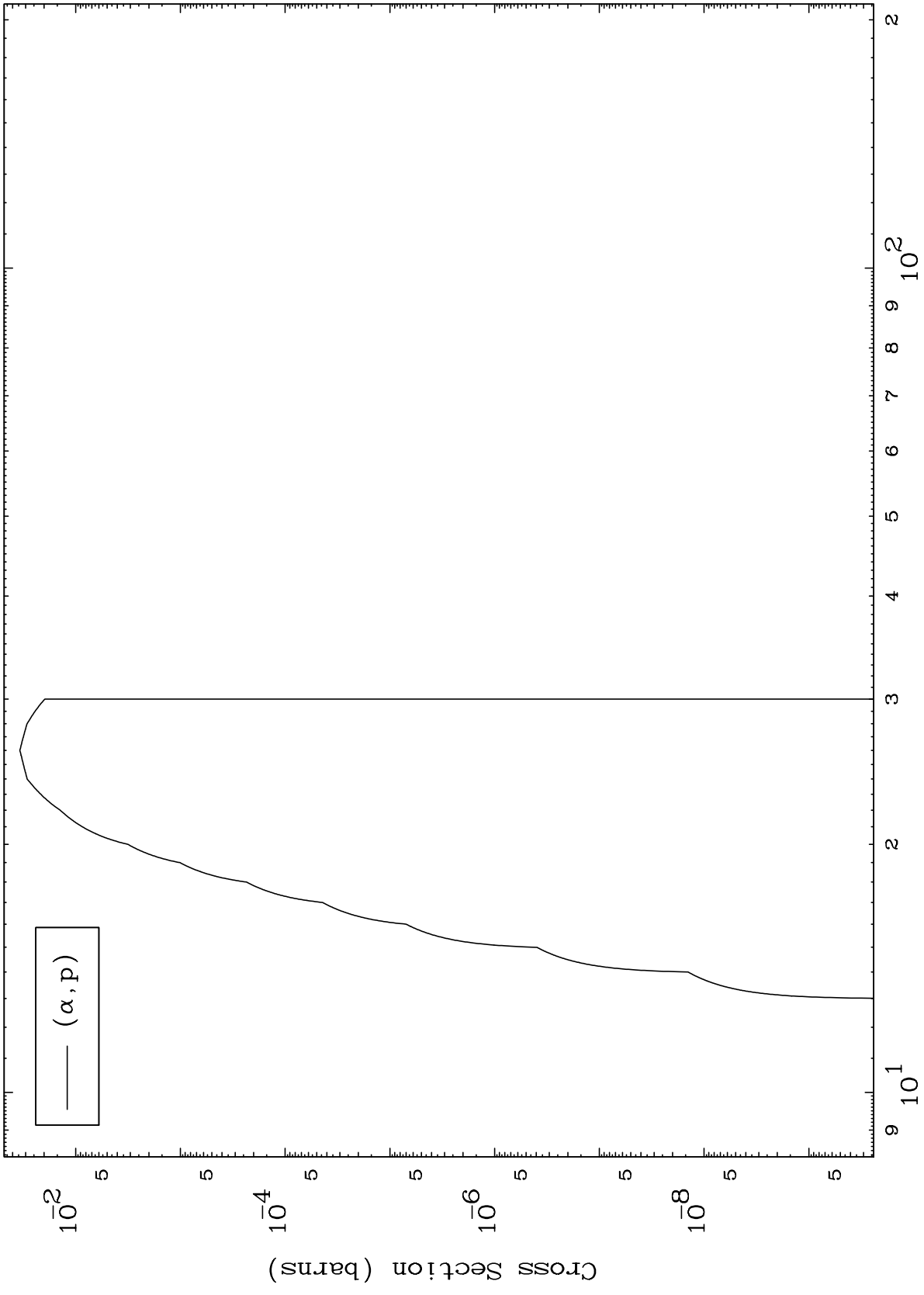
Incident Energy (MeV)

80-Hg-187

MAT 7999

(α, p) Levels
0 Kelvin Cross Sections

80-Hg-187



6

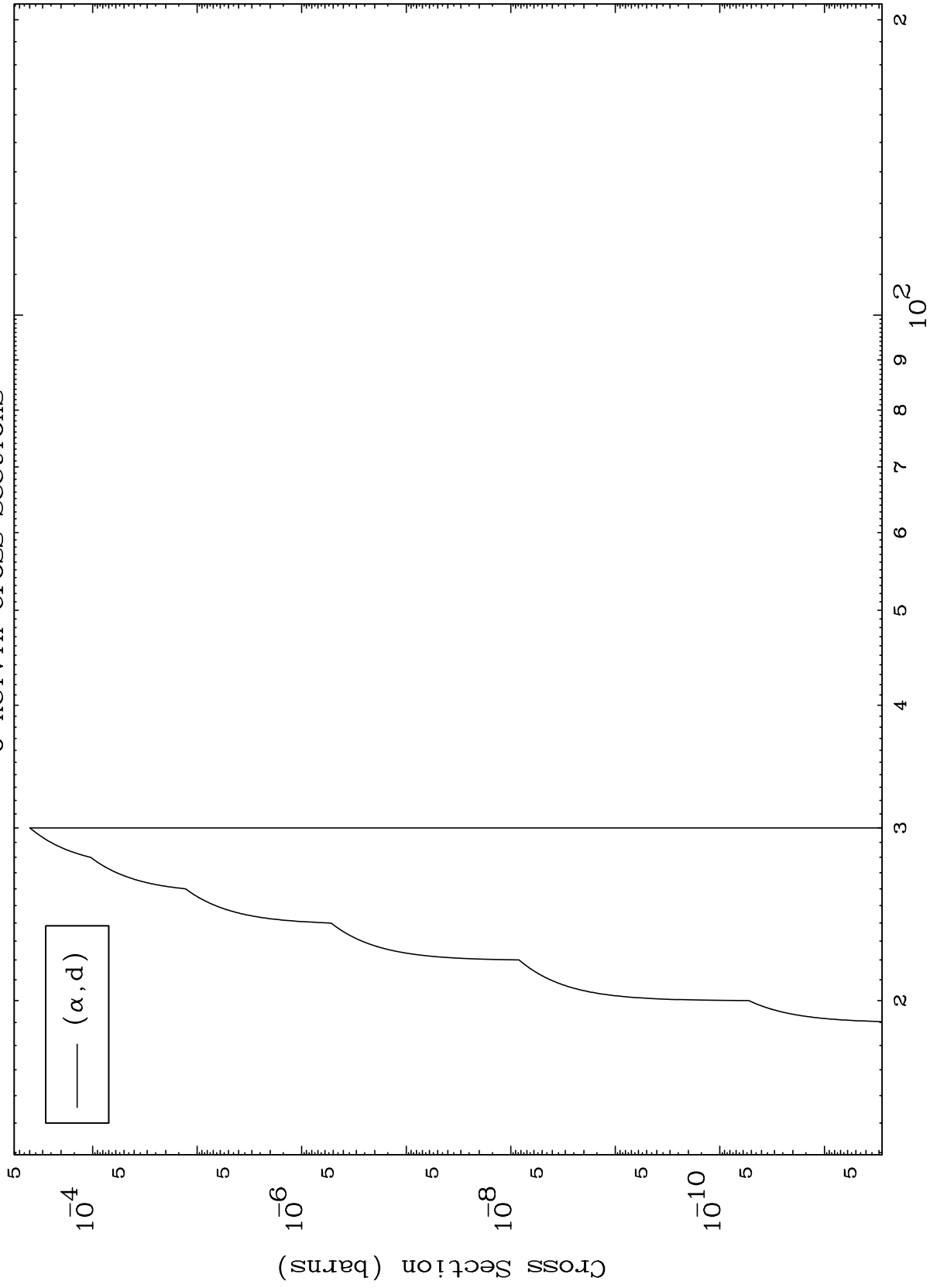
Incident Energy (MeV)

80-Hg-187

MAT 7999

(α, d) Levels
0 Kelvin Cross Sections

80-Hg-187



7

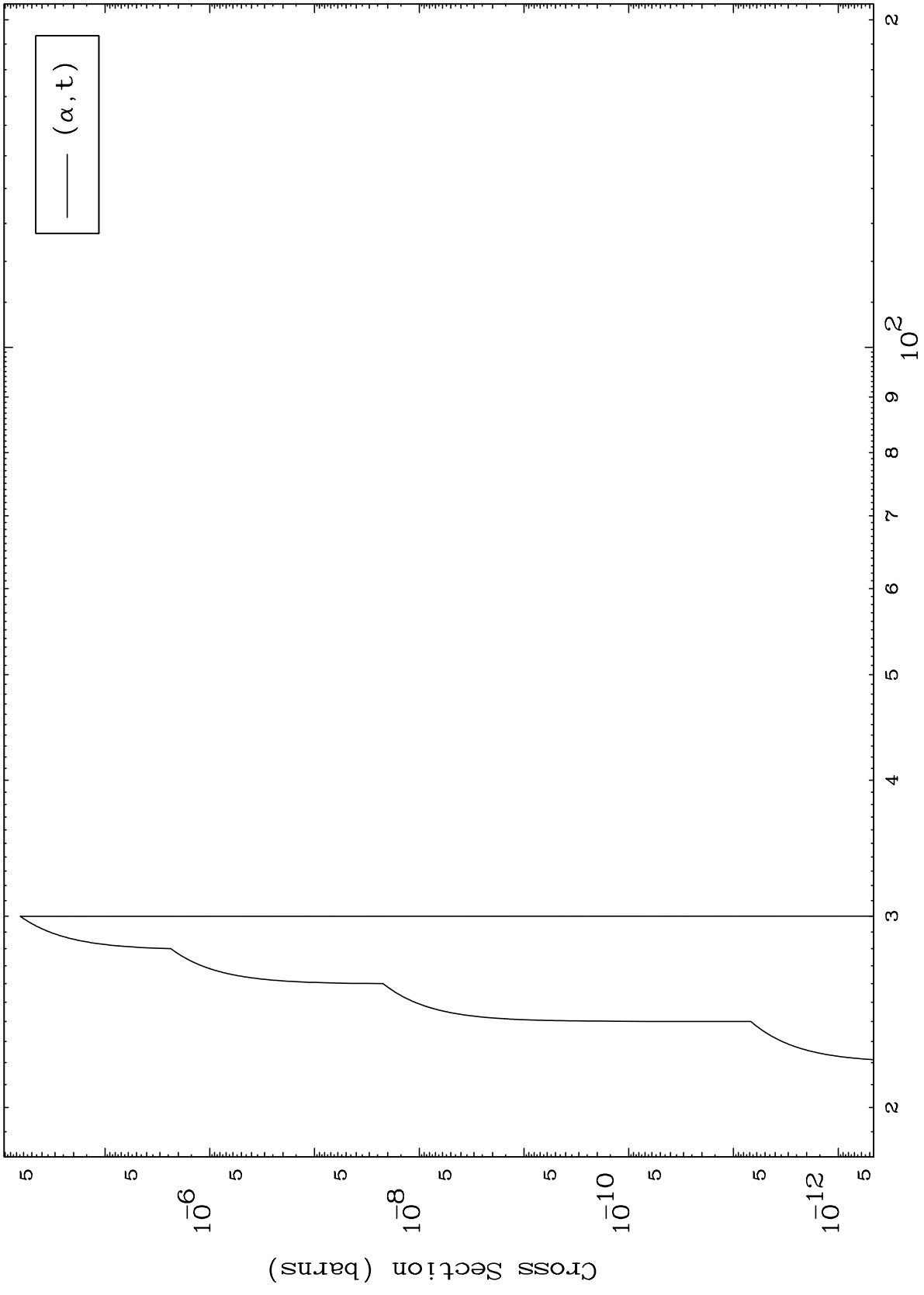
Incident Energy (MeV)

80-Hg-187

MAT 7999

(α, t) Levels
0 Kelvin Cross Sections

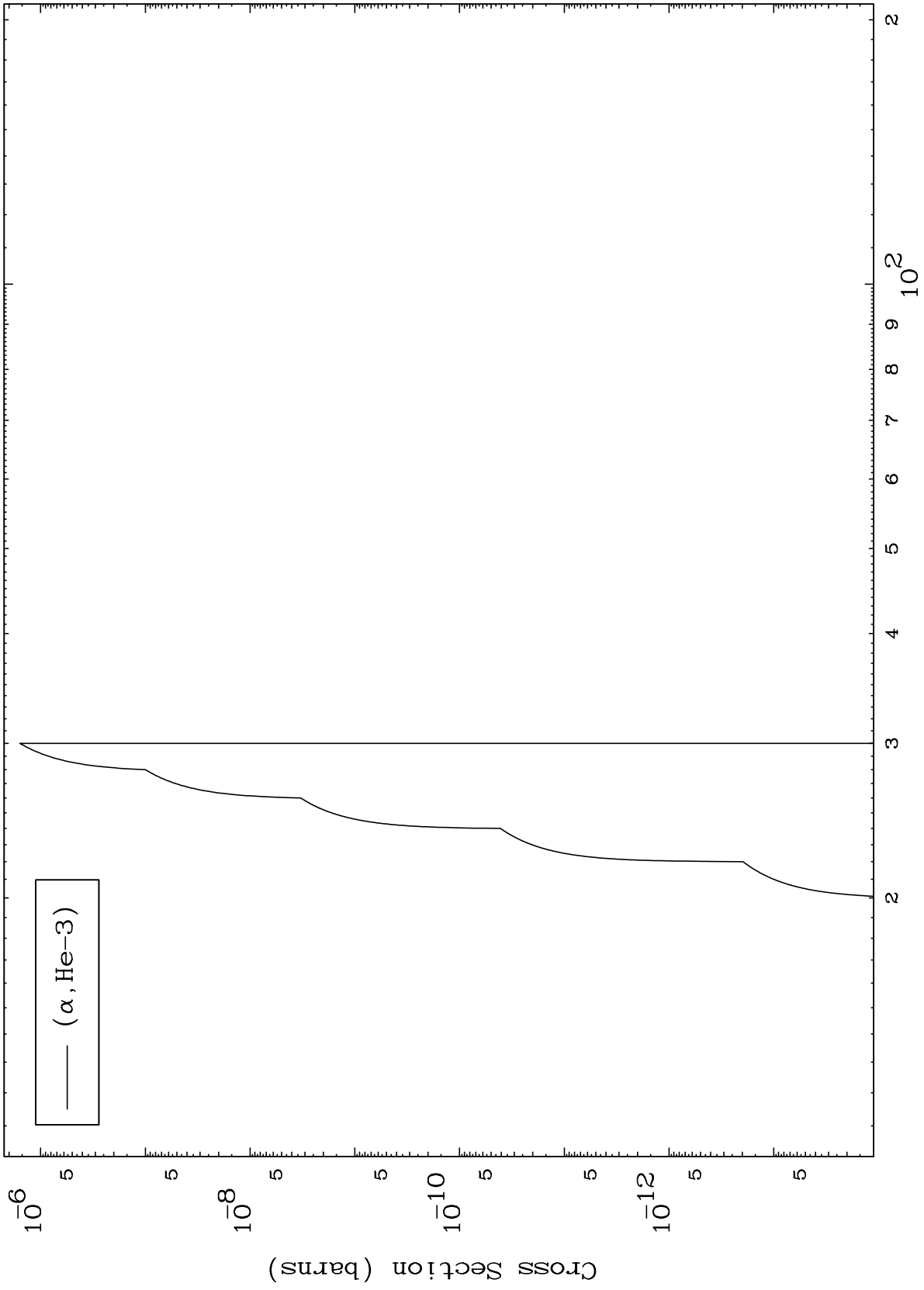
80-Hg-187



8

Incident Energy (MeV)

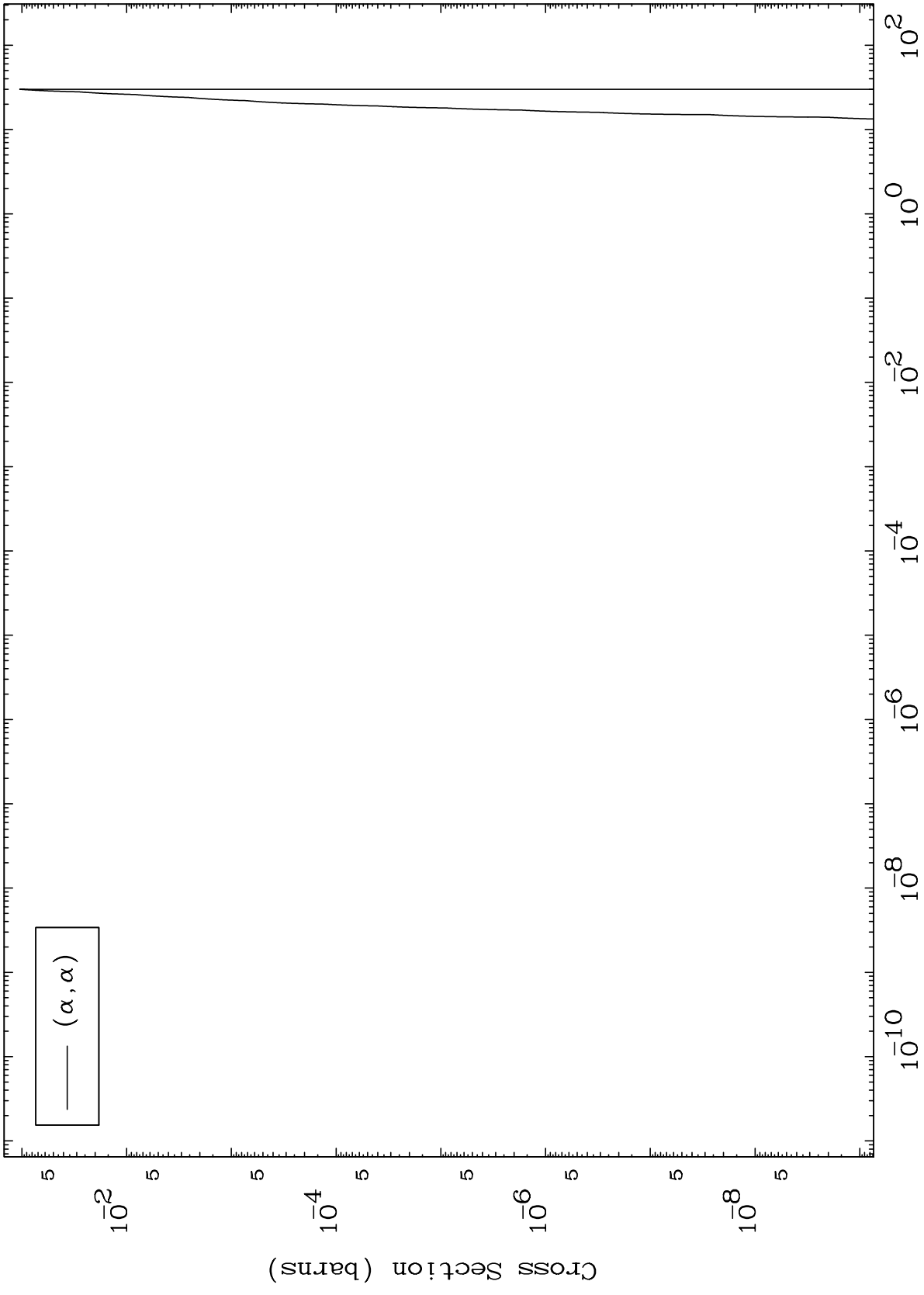
80-Hg-187



MAT 7999

(α, α) Levels
0 Kelvin Cross Sections

80-Hg-187



10

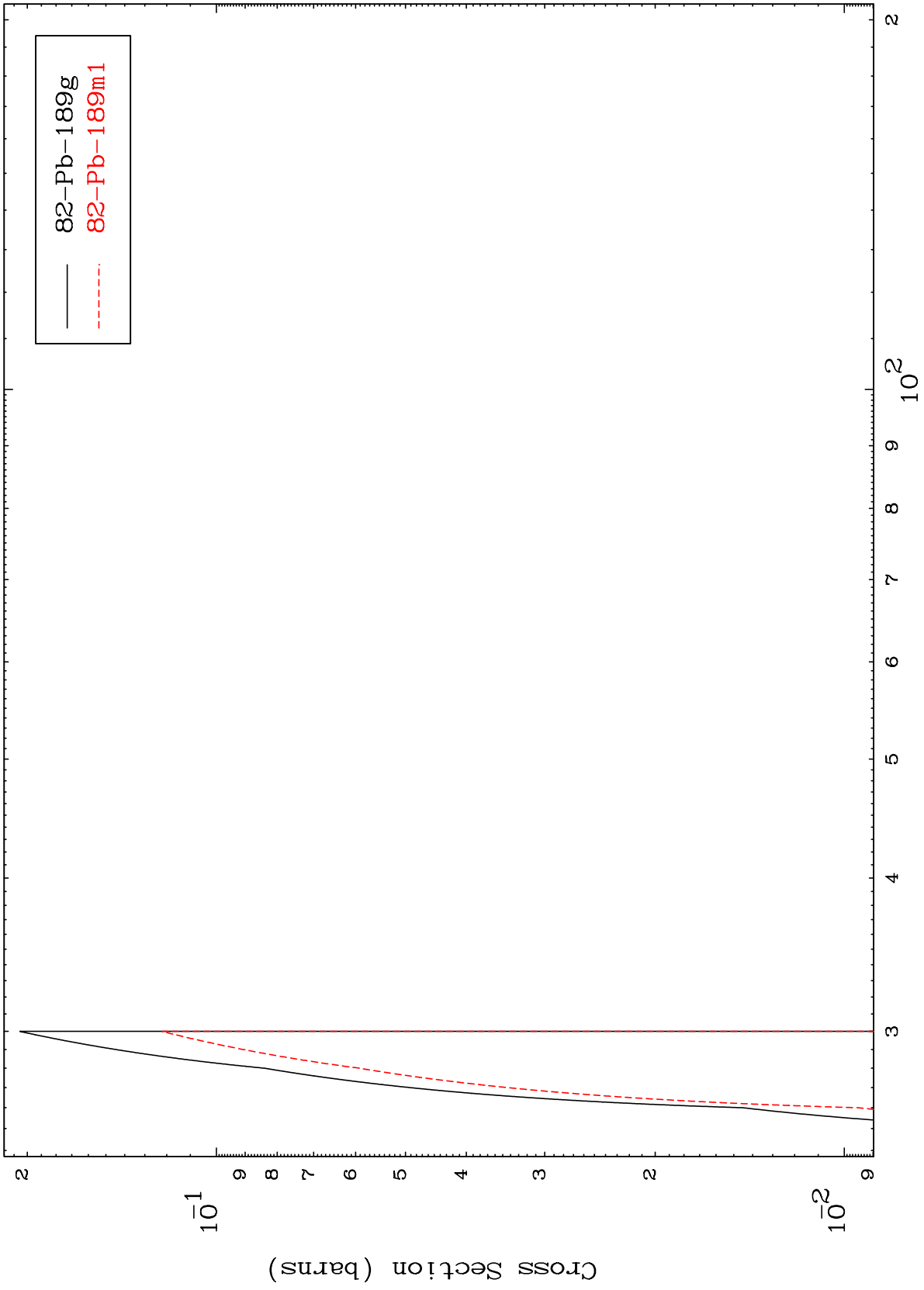
Incident Energy (MeV)

80-Hg-187

MAT 7999

80-Hg-187

($\alpha, 2n$)
Radionuclide Production Cross Section



11

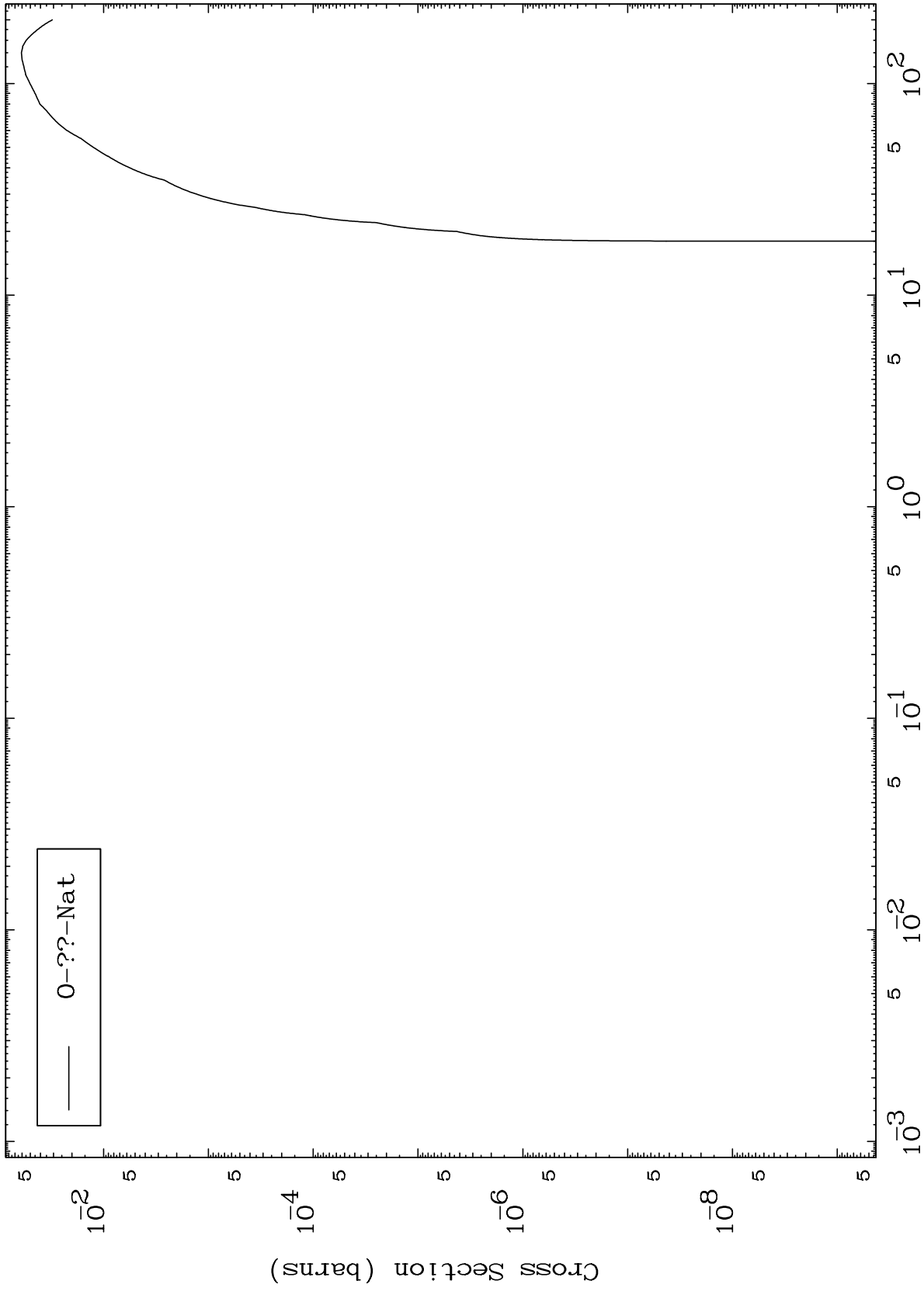
Incident Energy (MeV)

80-Hg-187

MAT 7999

α Fission
Radionuclide Production Cross Section

80-Hg-187



12

Incident Energy (MeV)

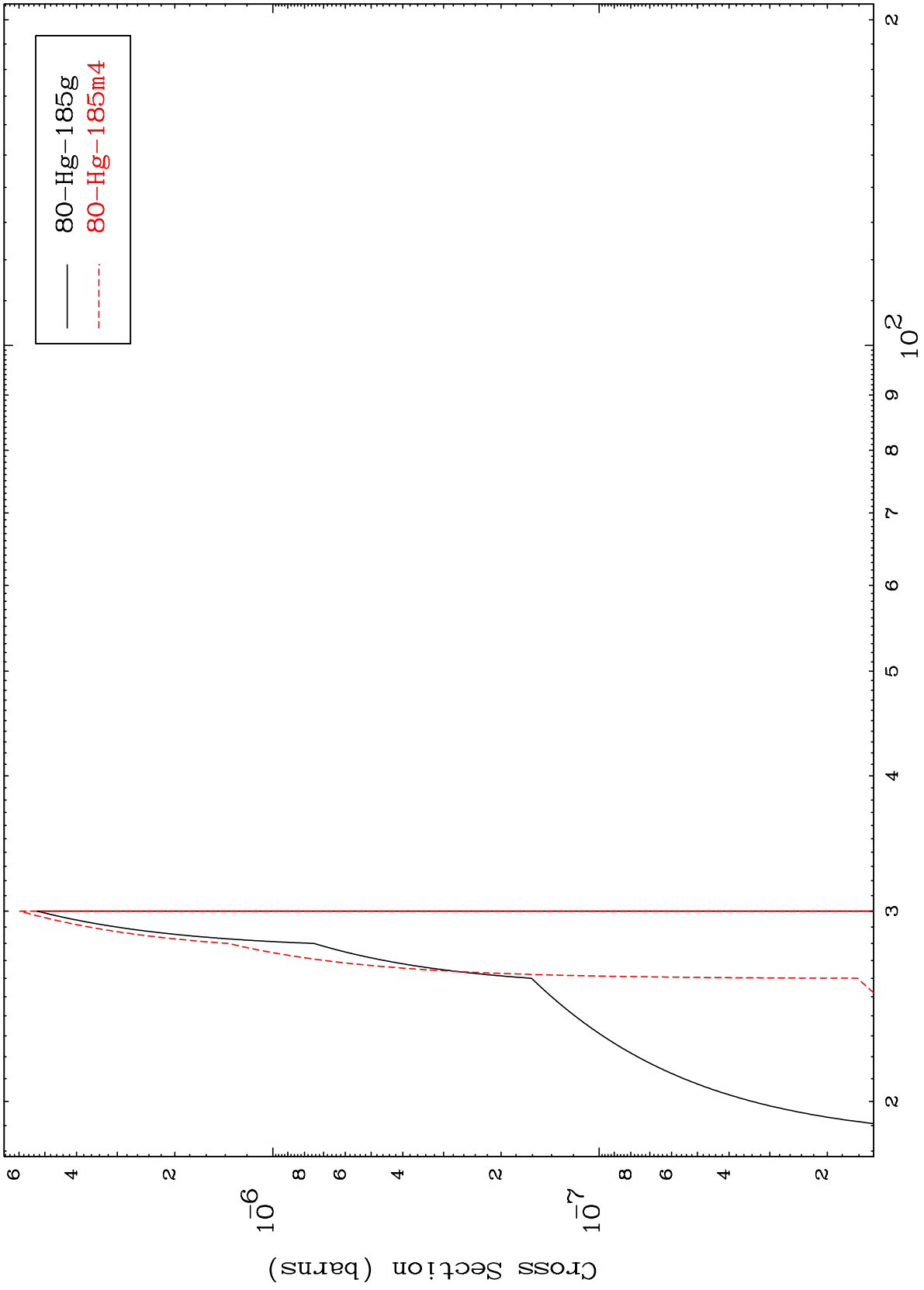
80-Hg-187

MAT 7999

$(\alpha, 2n) \alpha$

80-Hg-187

Radionuclide Production Cross Section



13

Incident Energy (MeV)

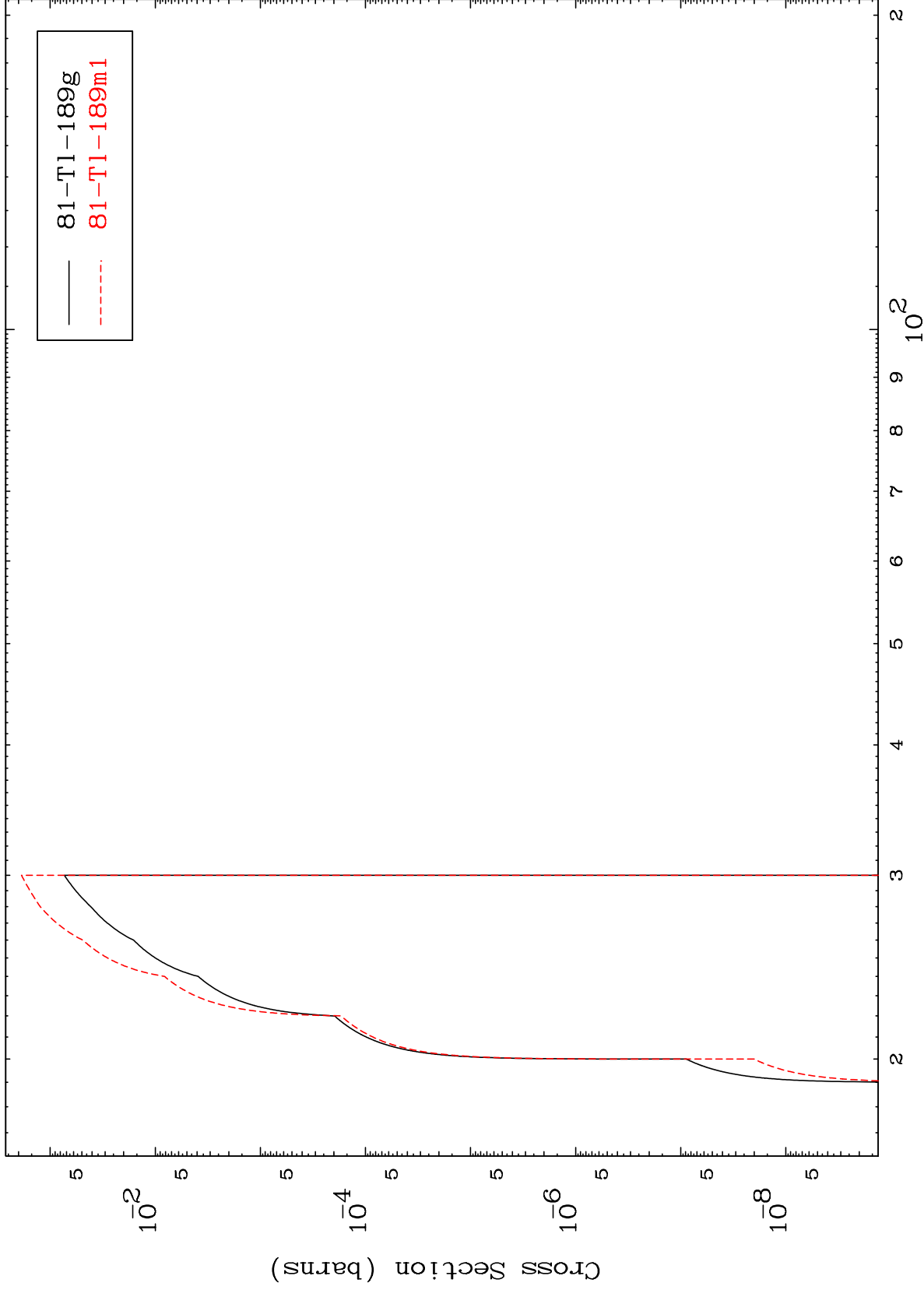
80-Hg-187

MAT 7999

(α, n') p

80-Hg-187

Radionuclide Production Cross Section



14

Incident Energy (MeV)

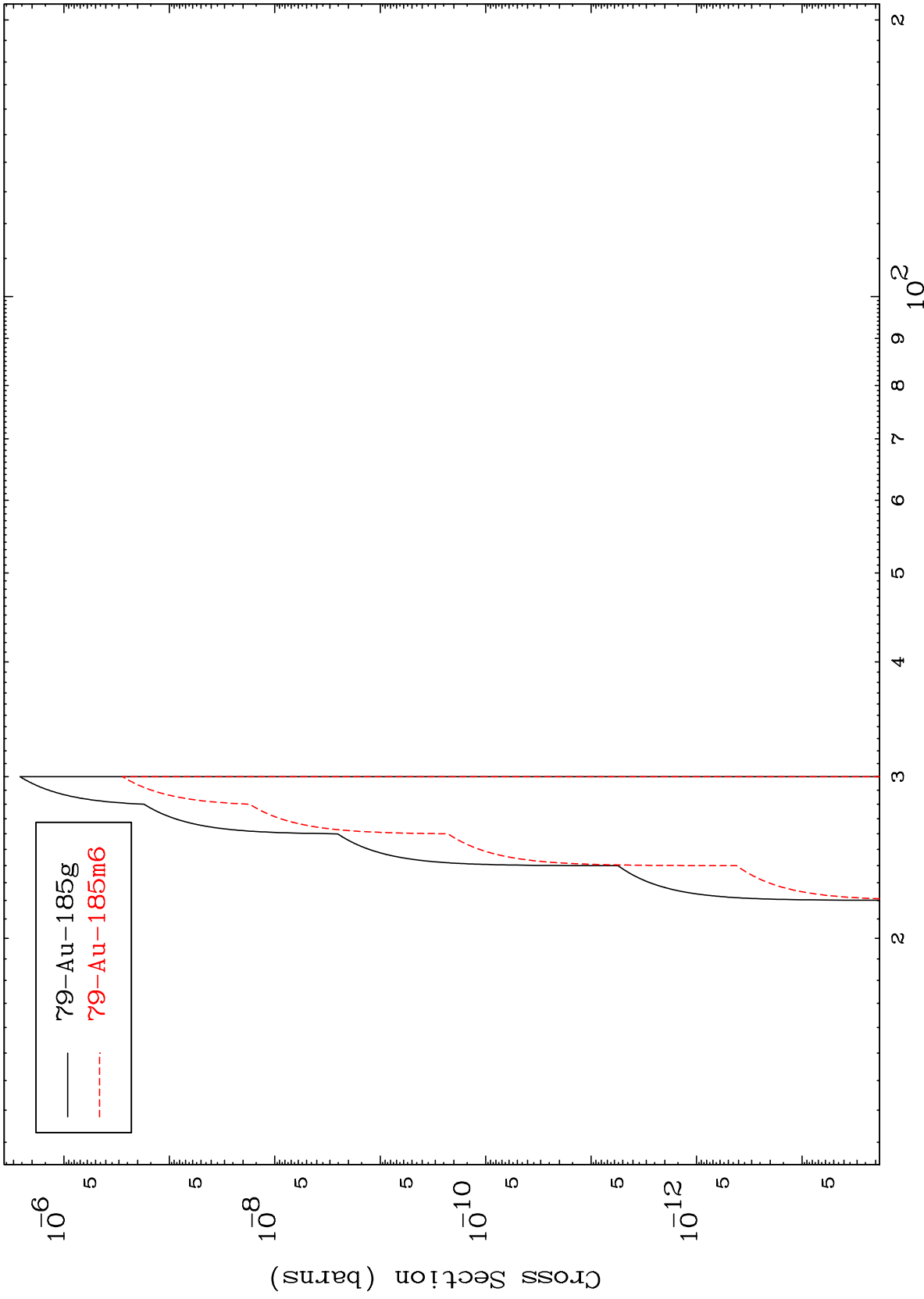
80-Hg-187

MAT 7999

(α, n') p α

80-Hg-187

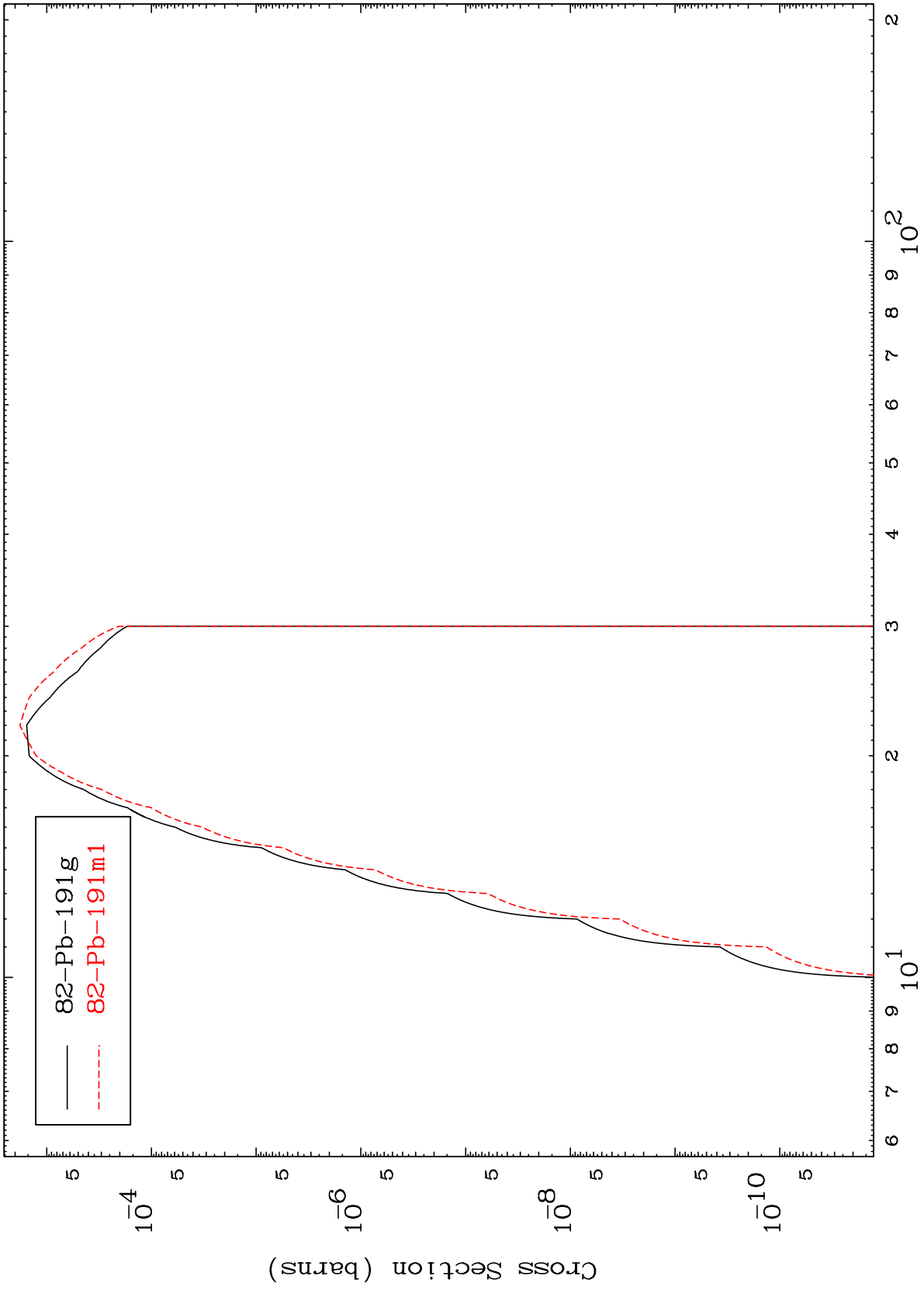
Radionuclide Production Cross Section



MAT 7999

80-Hg-187

(α, γ)
Radionuclide Production Cross Section



16

Incident Energy (MeV)

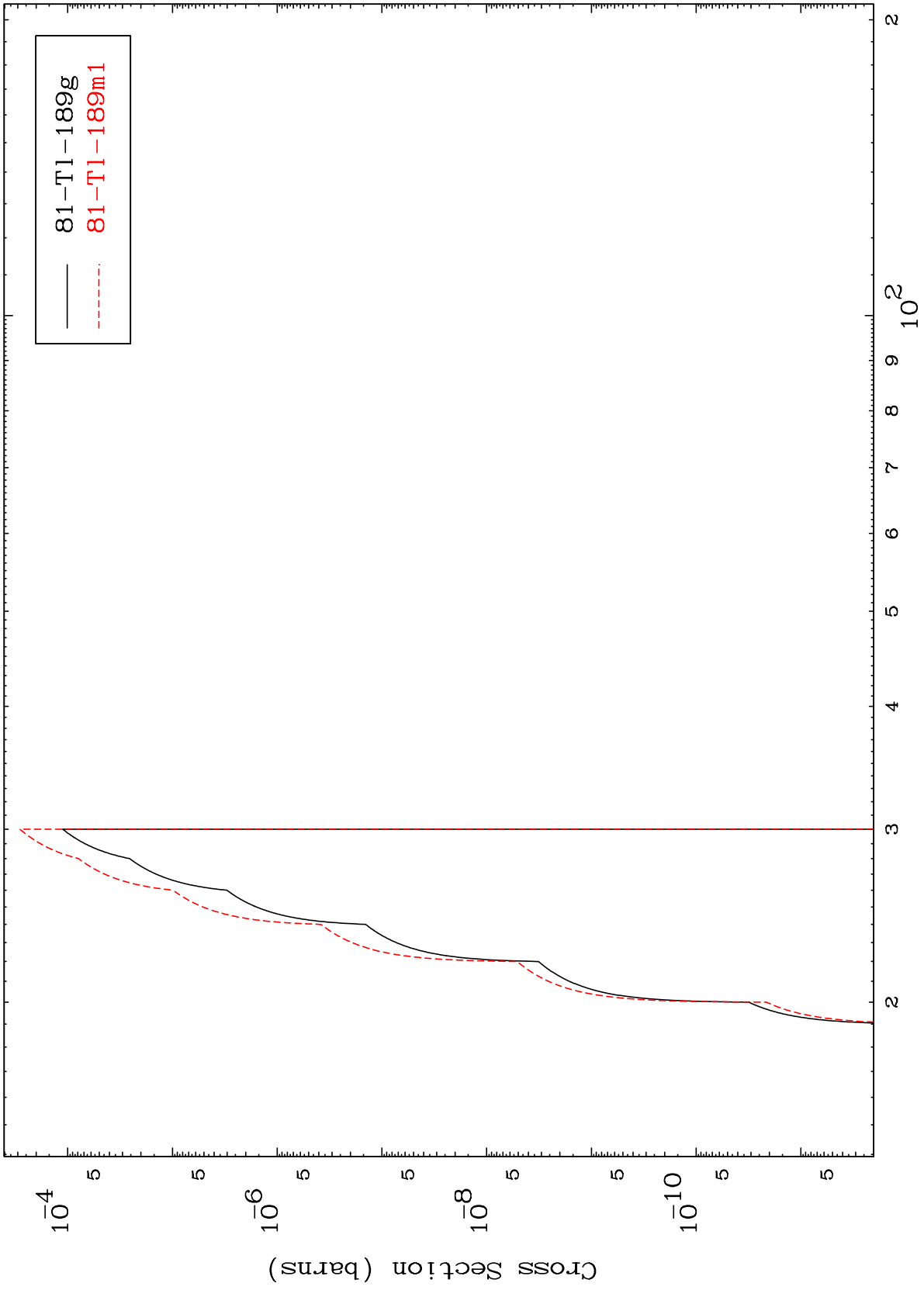
80-Hg-187

MAT 7999

(α, d)

80-Hg-187

Radionuclide Production Cross Section



17

Incident Energy (MeV)

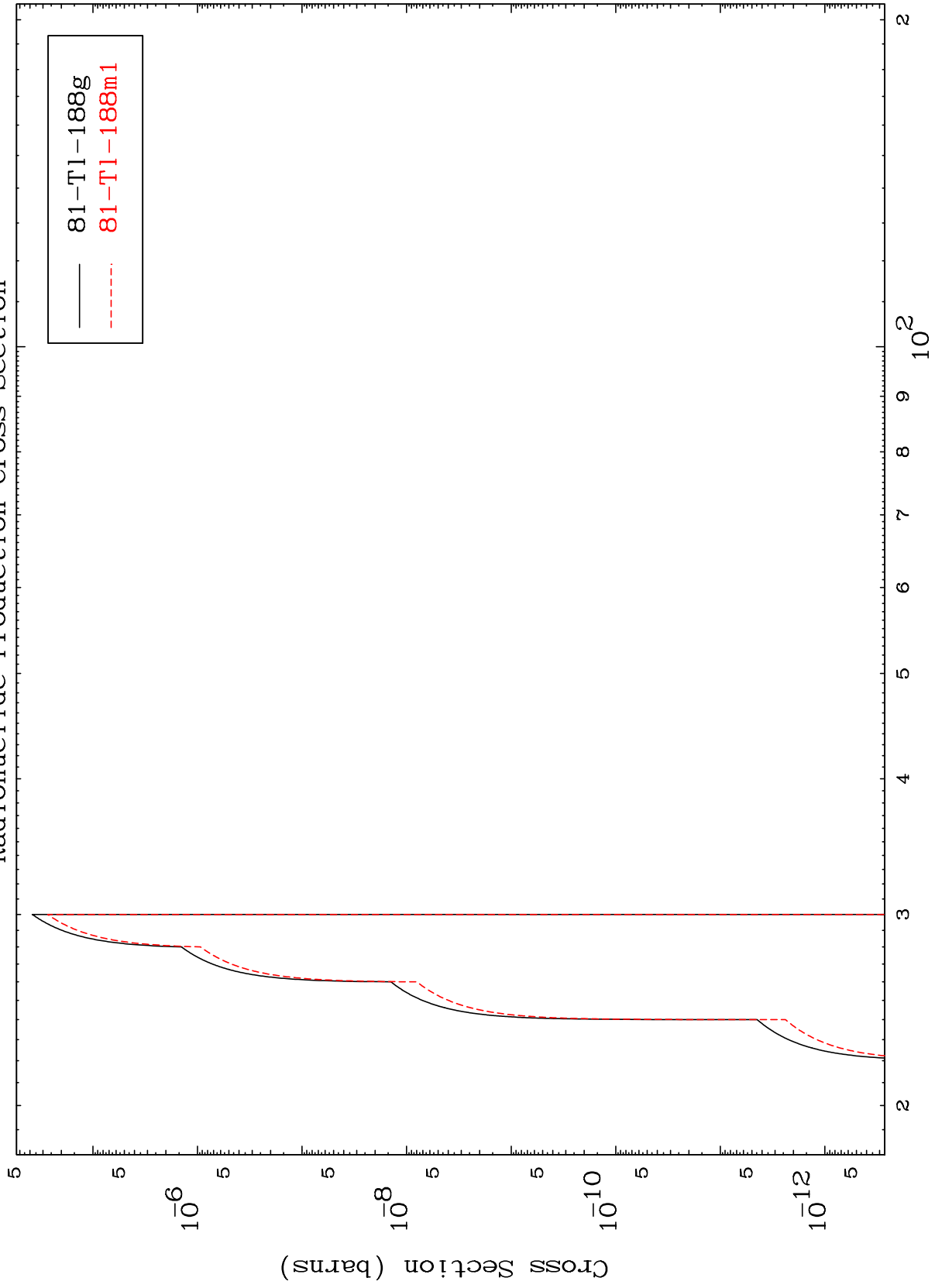
80-Hg-187

MAT 7999

(α, t)

80-Hg-187

Radionuclide Production Cross Section



18

Incident Energy (MeV)

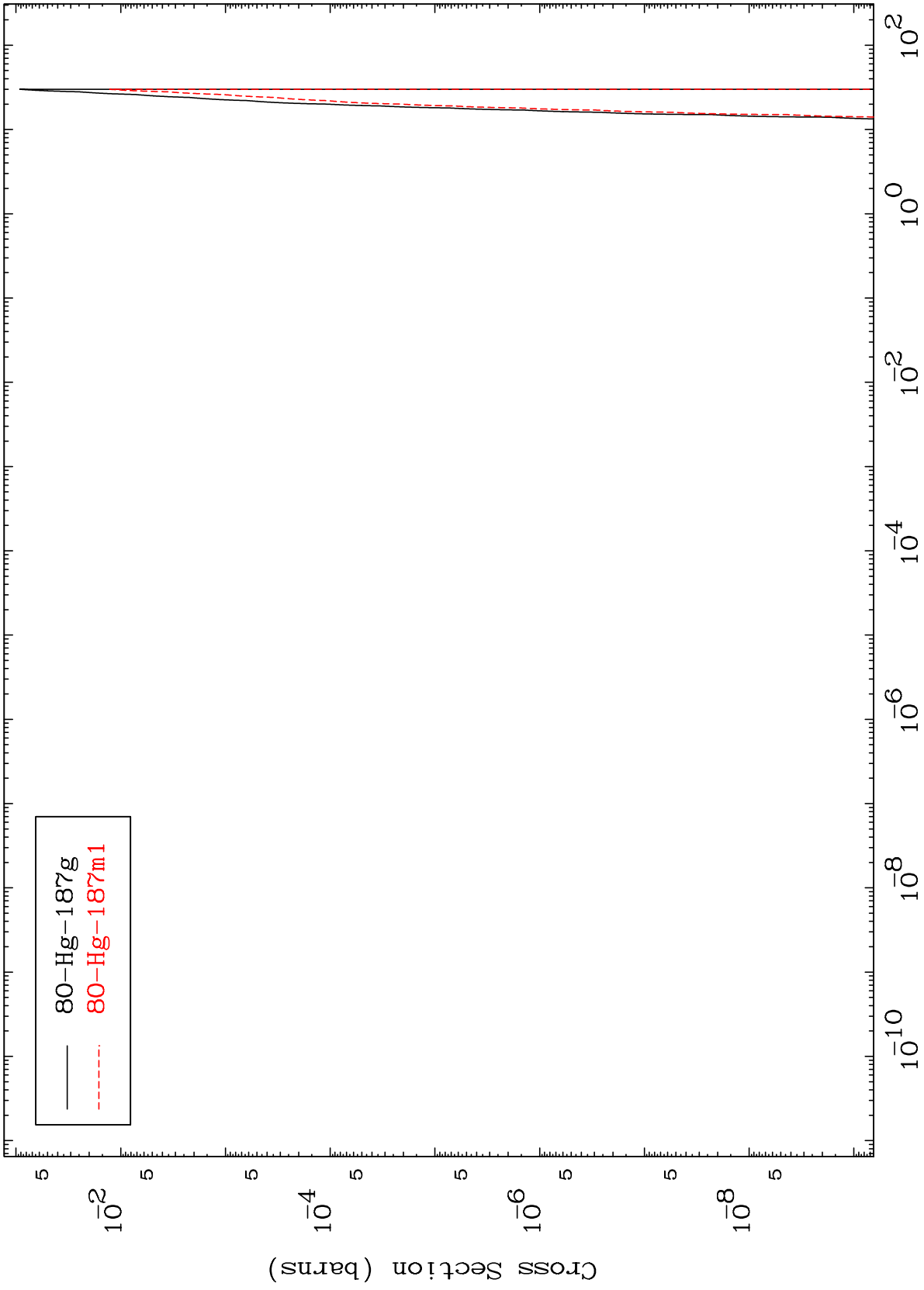
80-Hg-187

MAT 7999

(α, α)

80-Hg-187

Radionuclide Production Cross Section



19

Incident Energy (MeV)

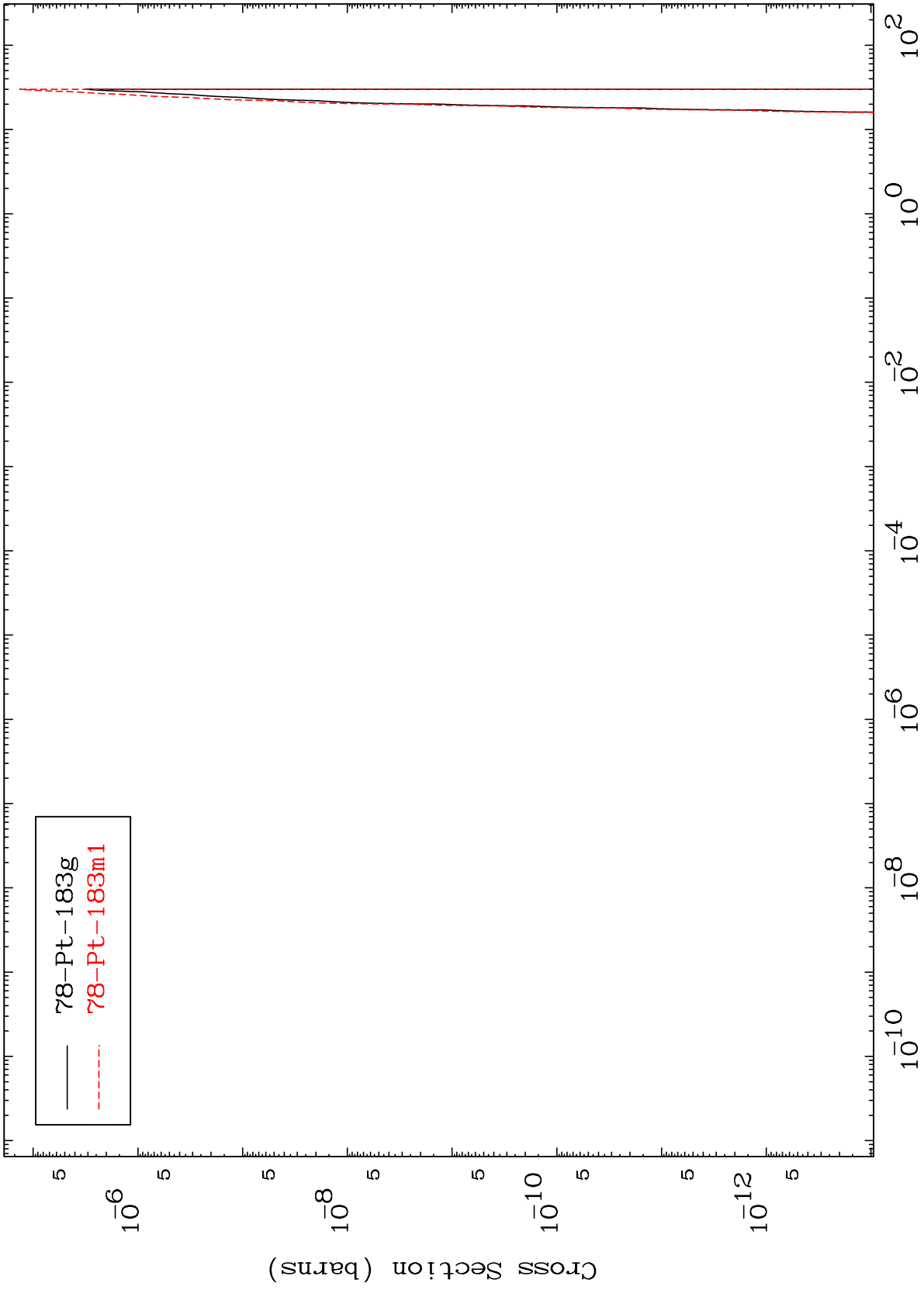
80-Hg-187

MAT 7999

($\alpha, 2\alpha$)

80-Hg-187

Radionuclide Production Cross Section



20

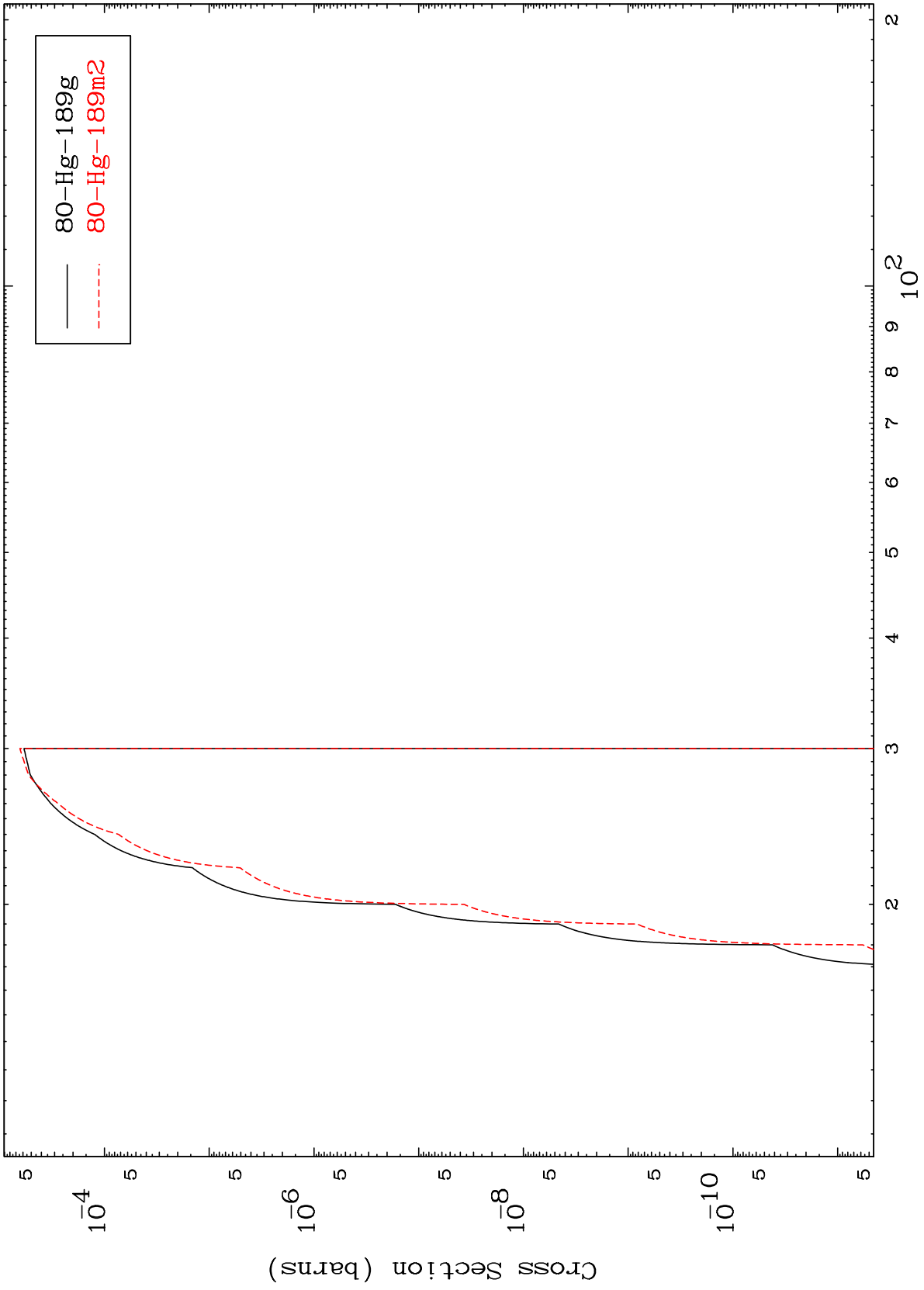
Incident Energy (MeV)

80-Hg-187

MAT 7999

80-Hg-187

($\alpha, 2p$)
Radionuclide Production Cross Section



21

80-Hg-187

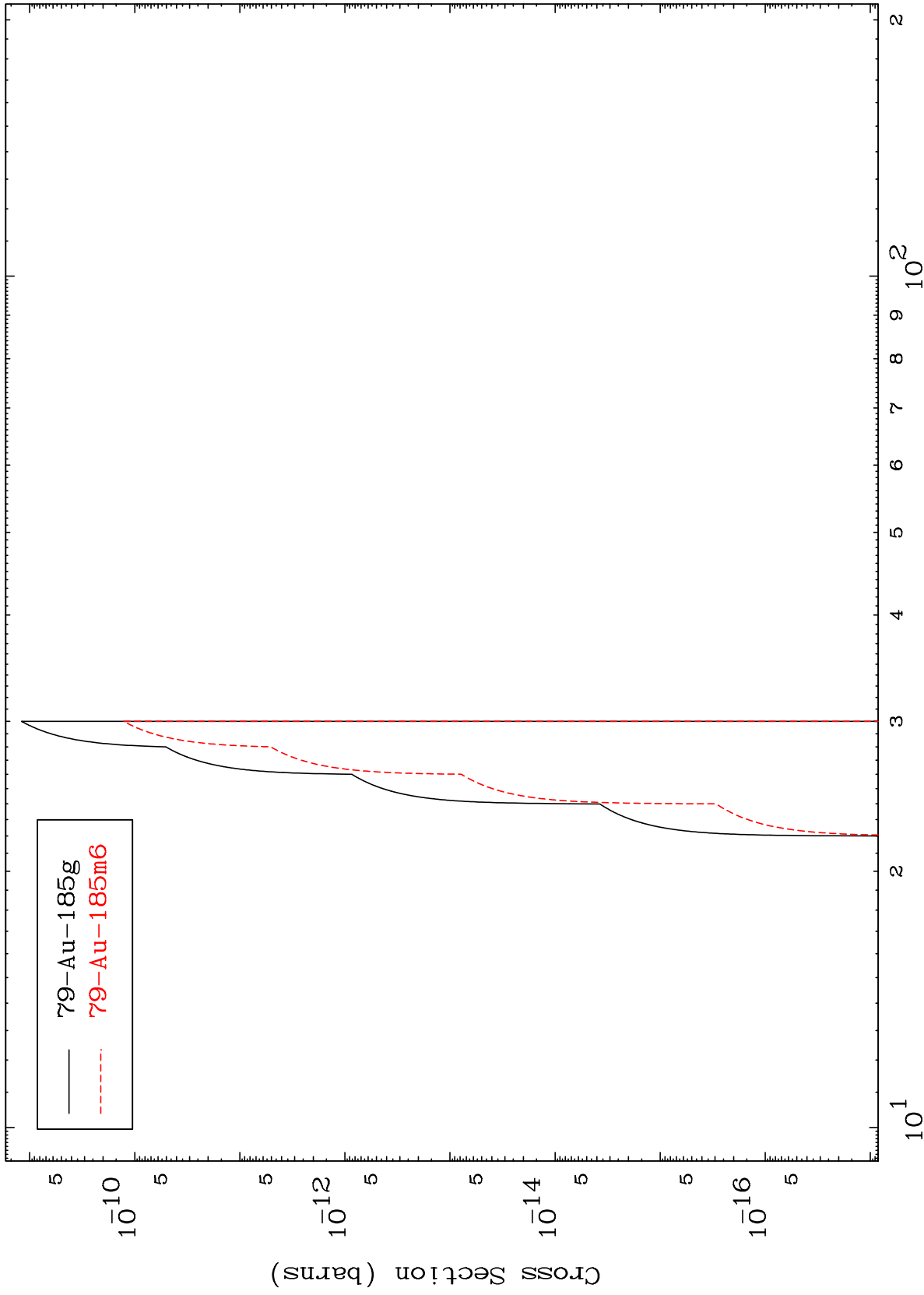
Incident Energy (MeV)

MAT 7999

(α, d) α

80-Hg-187

Radionuclide Production Cross Section



22

Incident Energy (MeV)

80-Hg-187