

Program EVALPLOT
(Version 2021-1)

by

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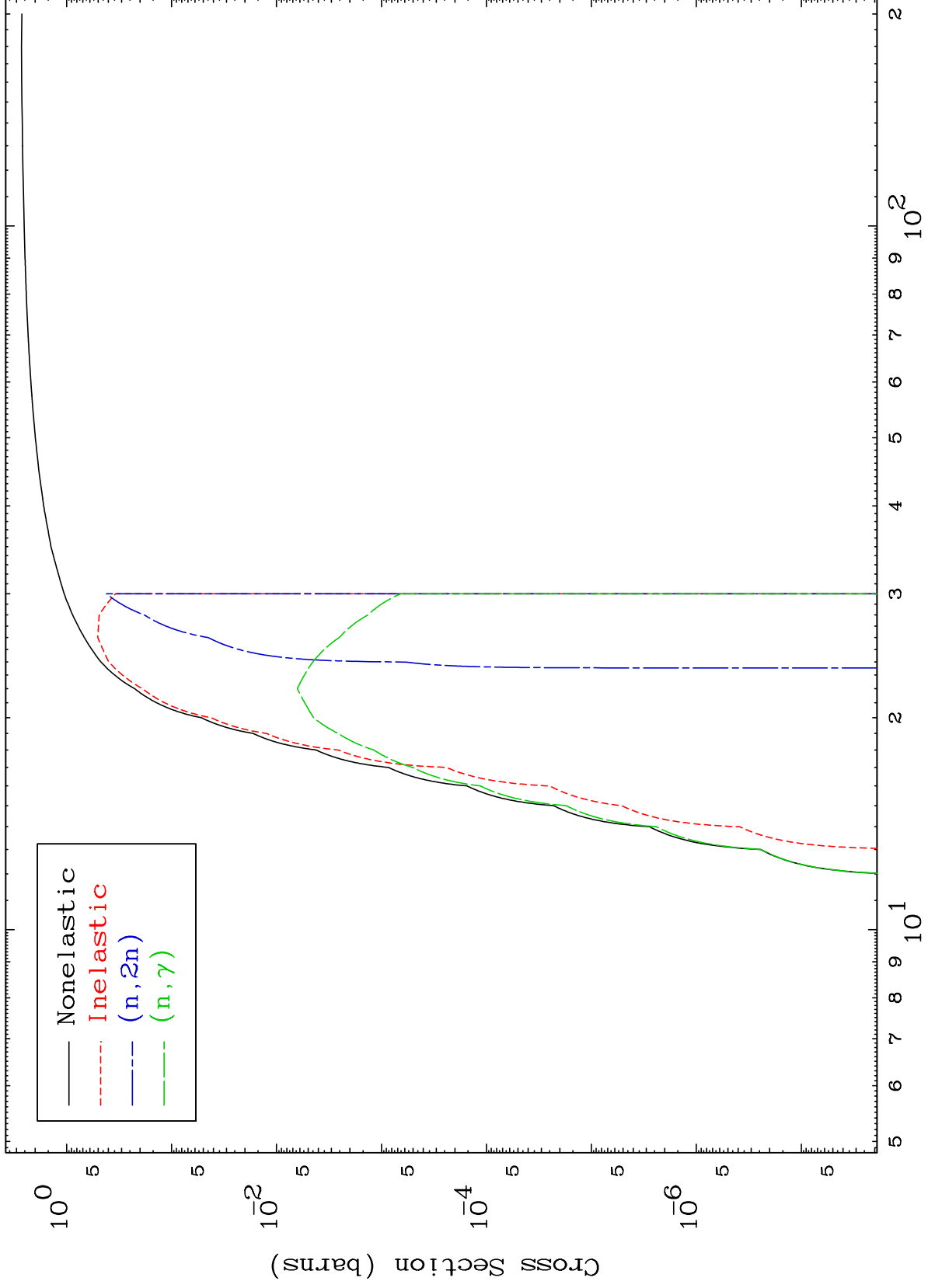
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8004

0 Kelvin
 α Major Cross Sections

80-Hg-189



Legend:
— Nonelastic
- - - Inelastic
- - - (n, 2n)
- - - (n, γ)

1

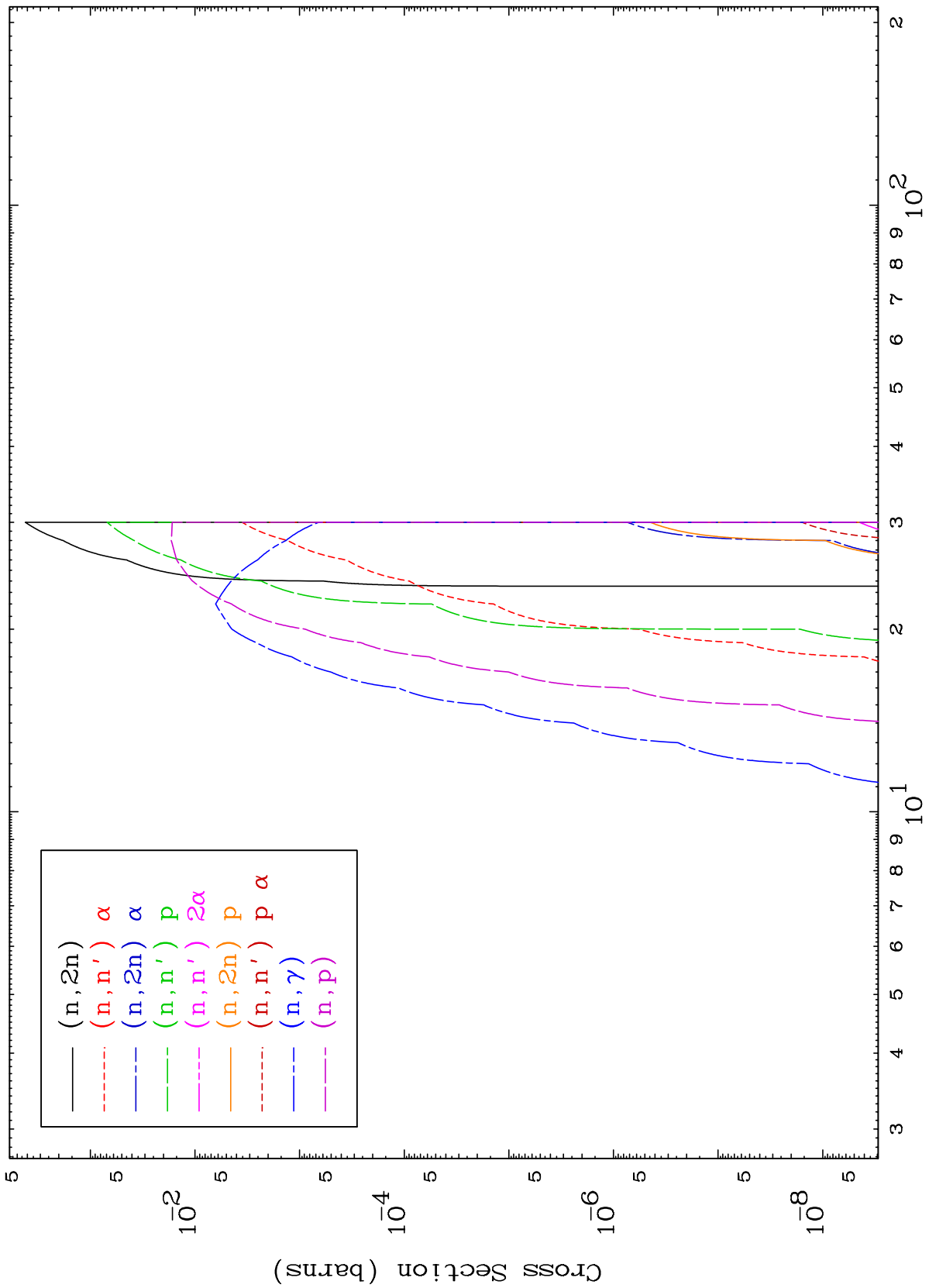
Incident Energy (MeV)

80-Hg-189

MAT 8004

α Neutron Absorption
0 Kelvin Cross Sections

80-Hg-189



2

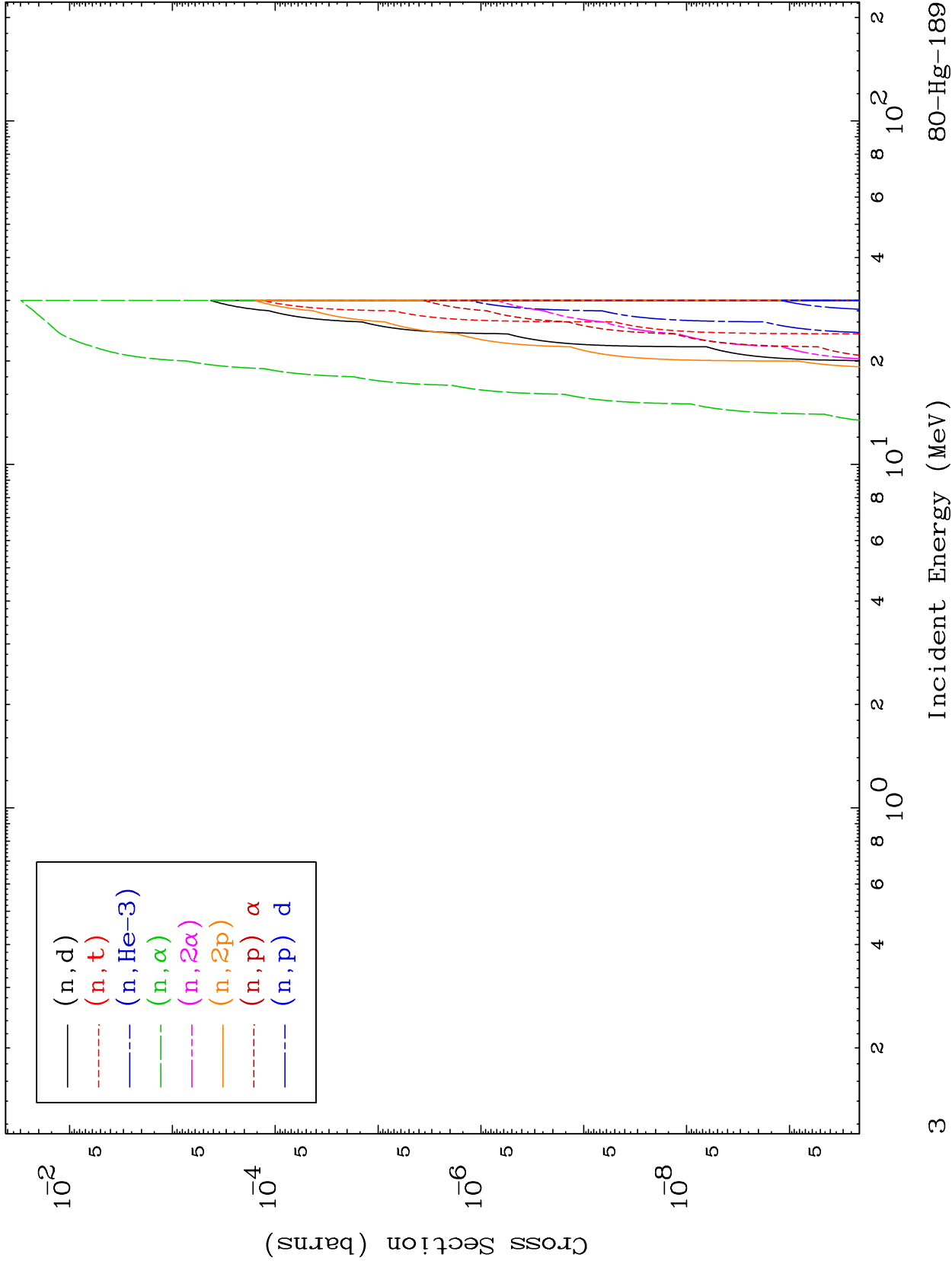
Incident Energy (MeV)

80-Hg-189

MAT 8004

α Neutron Absorption
0 Kelvin Cross Sections

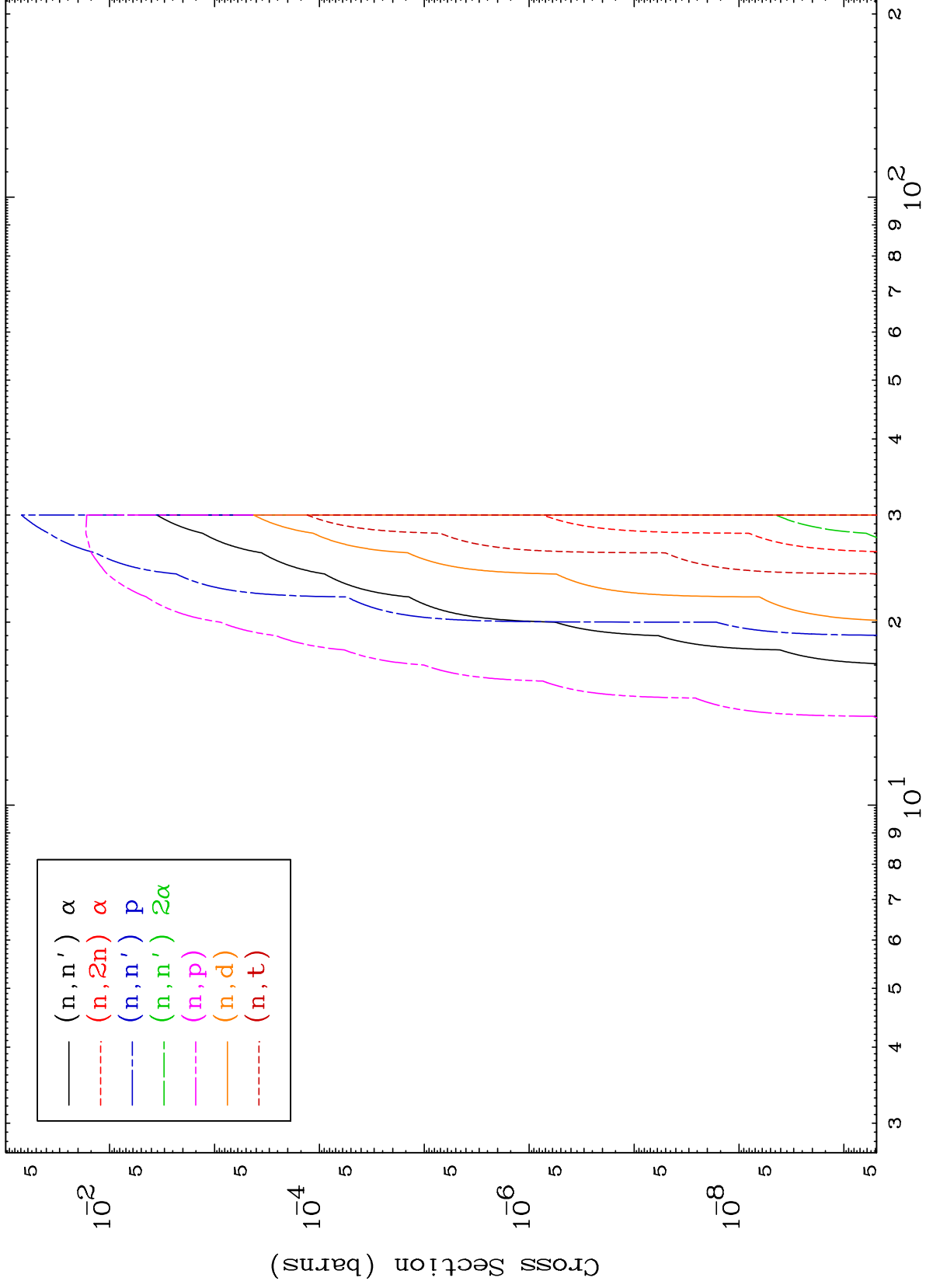
80-Hg-189



MAT 8004

α Charged Particle
0 Kelvin Cross Sections

80-Hg-189



4

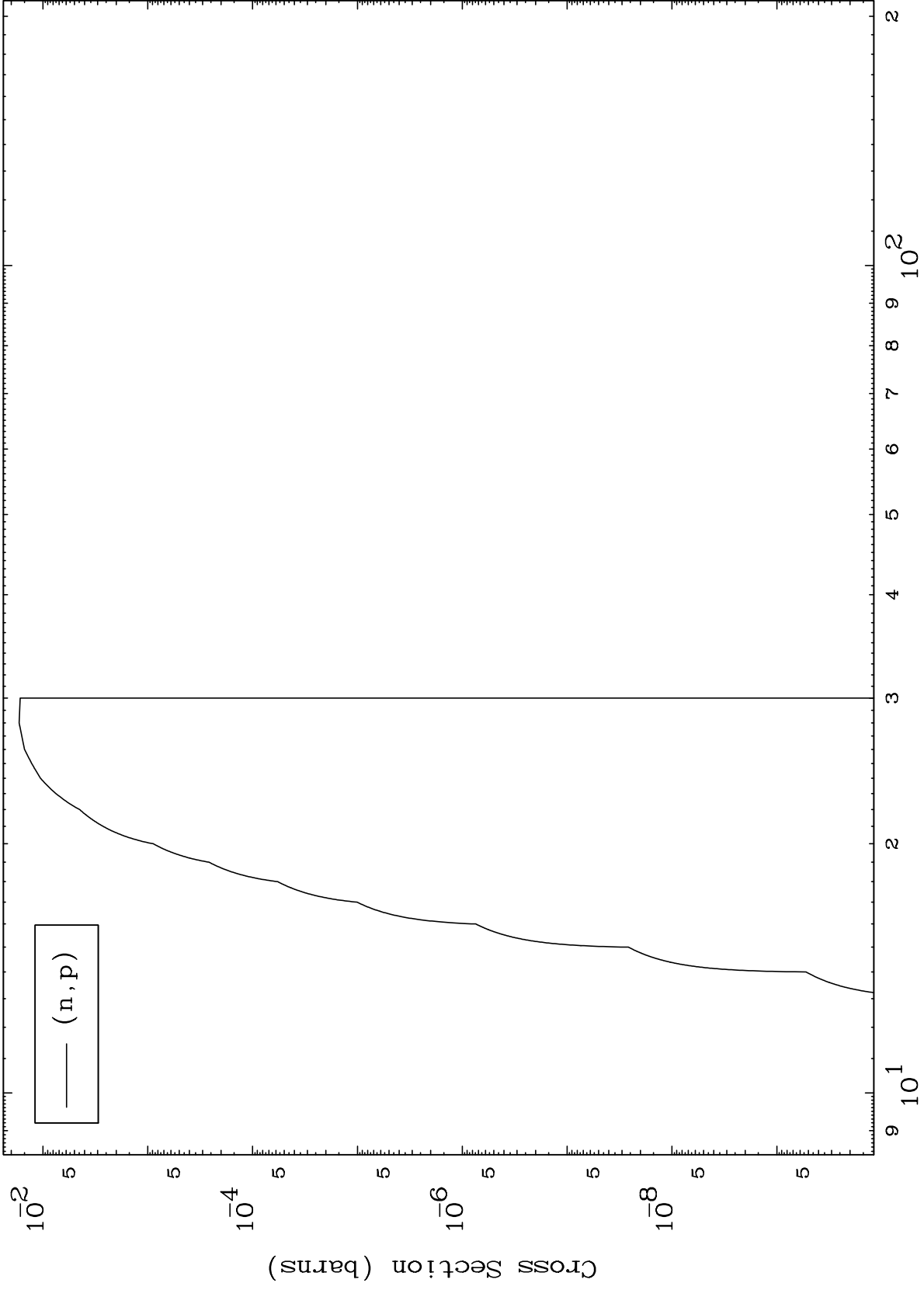
Incident Energy (MeV)

80-Hg-189

MAT 8004

(α, p) Levels
0 Kelvin Cross Sections

80-Hg-189



6

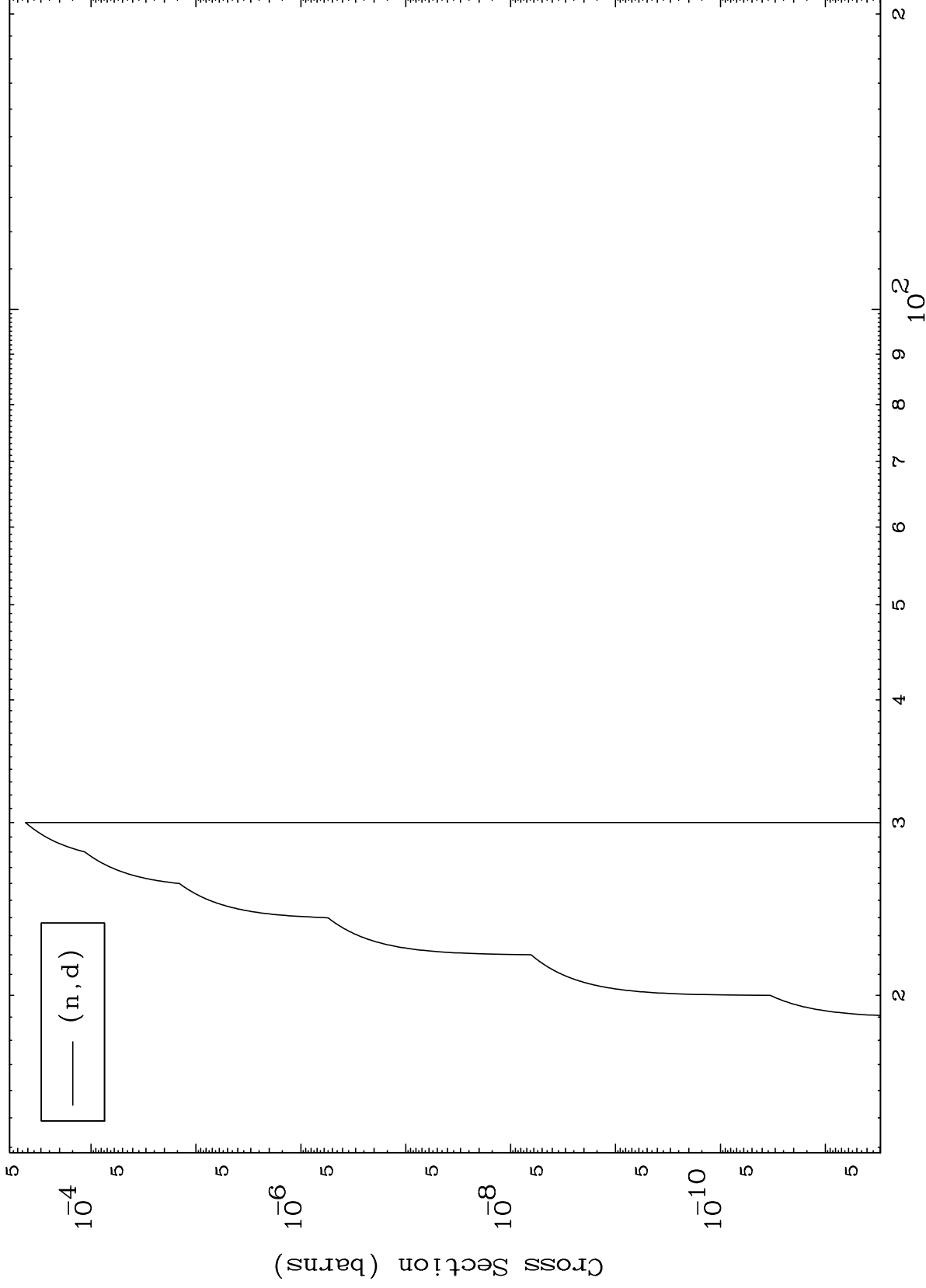
Incident Energy (MeV)

80-Hg-189

MAT 8004

(α, d) Levels
0 Kelvin Cross Sections

80-Hg-189



7

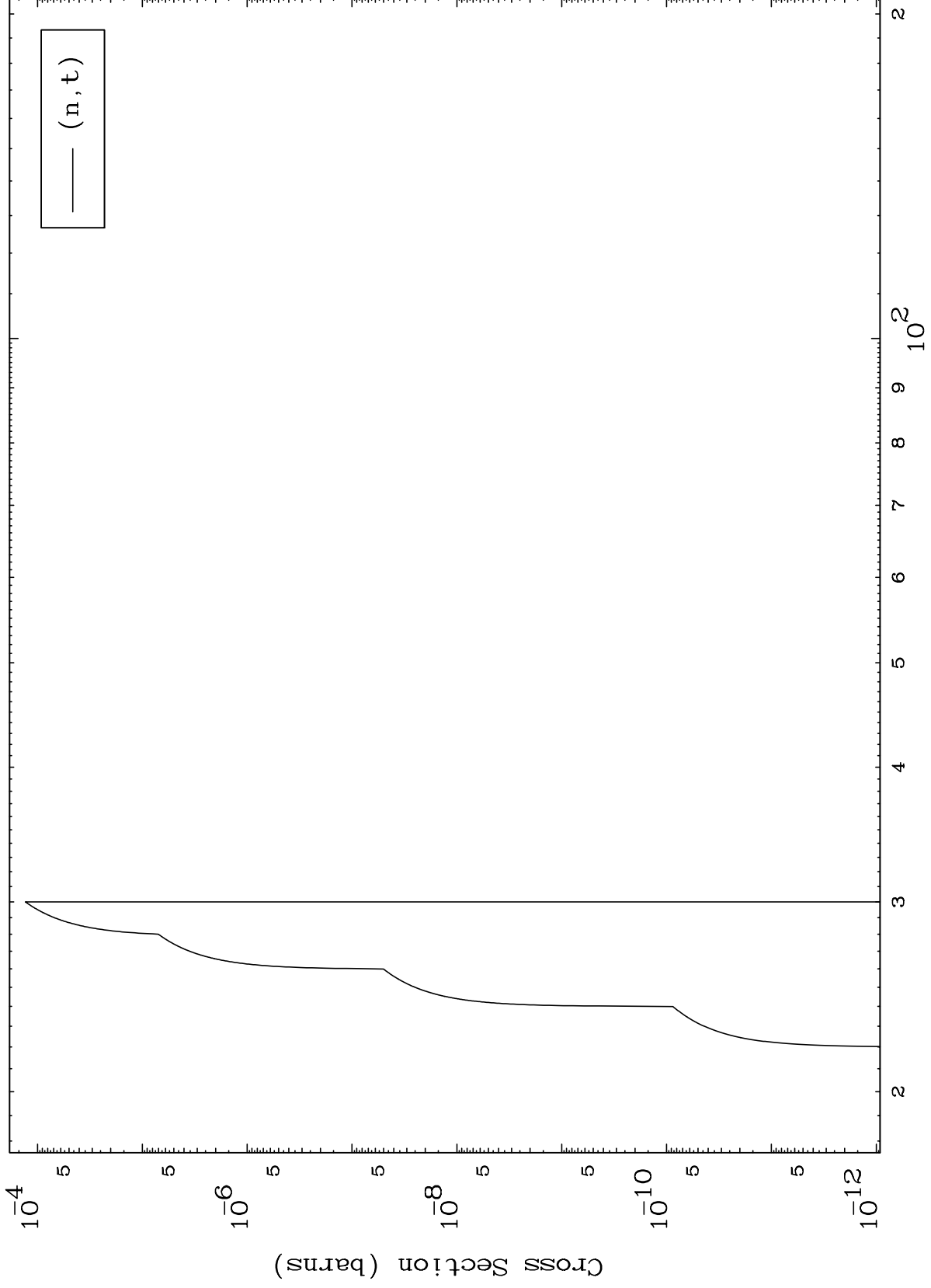
Incident Energy (MeV)

80-Hg-189

MAT 8004

(α, t) Levels
0 Kelvin Cross Sections

80-Hg-189



8

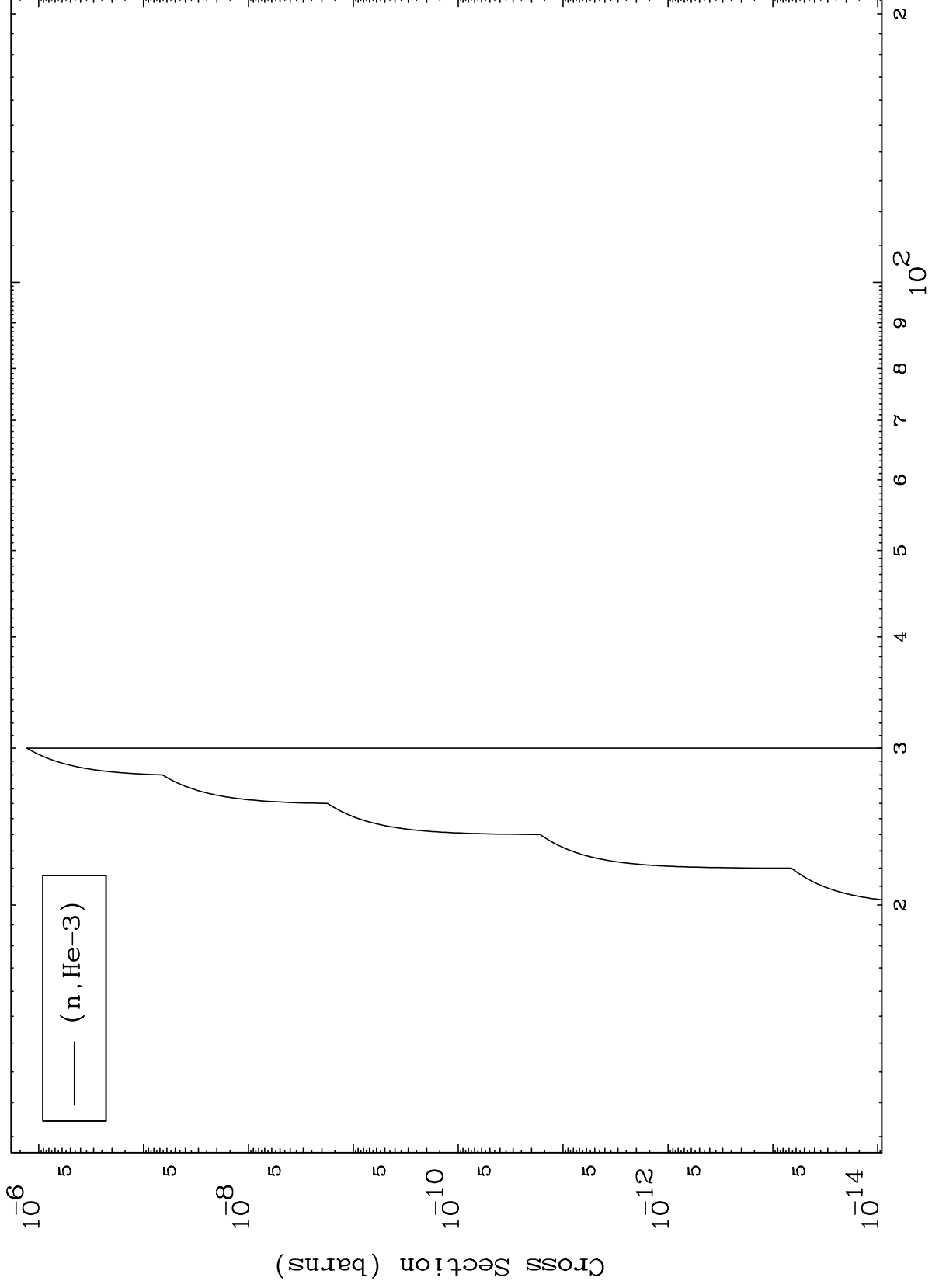
Incident Energy (MeV)

80-Hg-189

MAT 8004

($\alpha, \text{He3}$) Levels
0 Kelvin Cross Sections

80-Hg-189

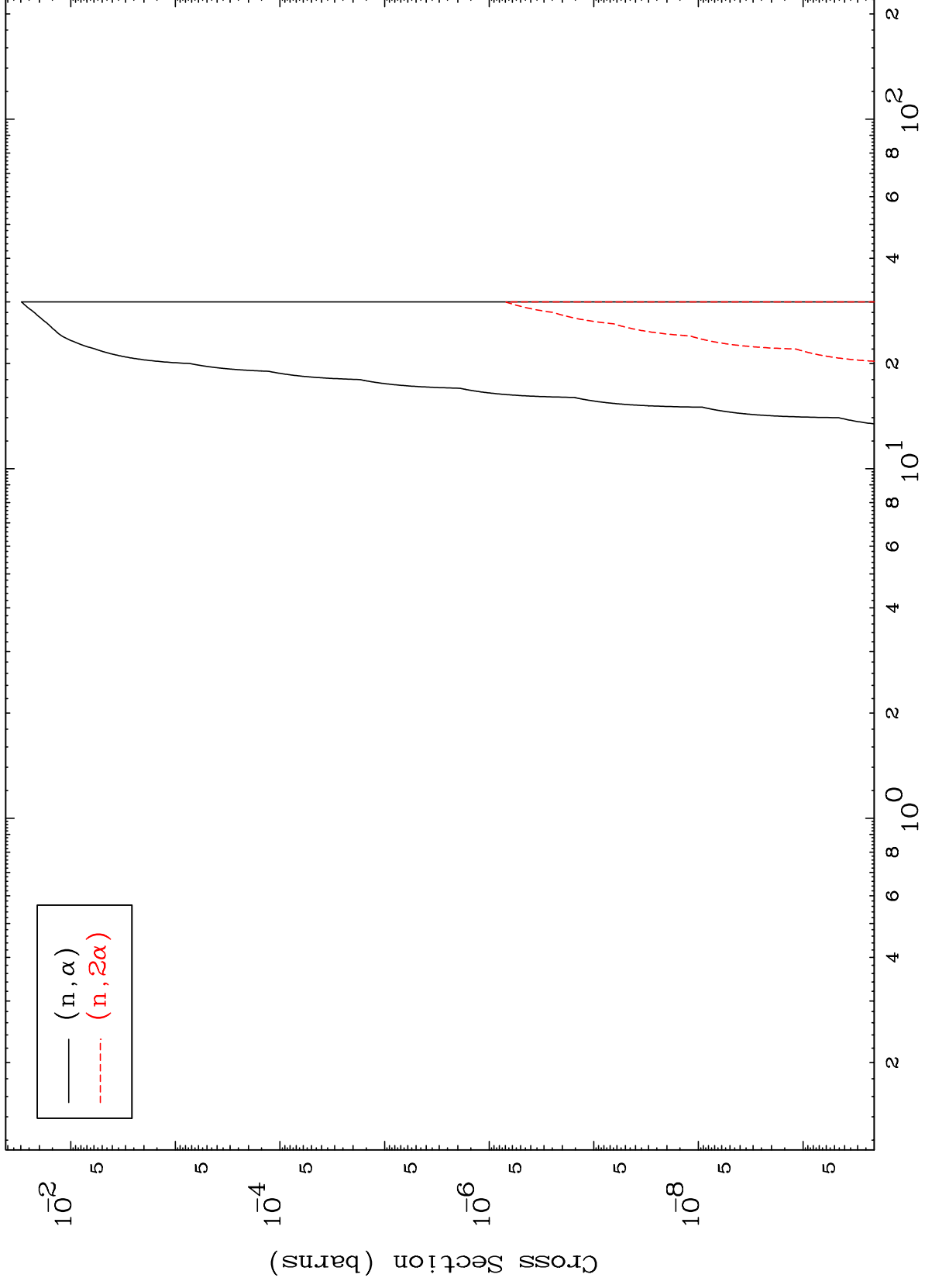


MAT 8004

(α, α) Levels

80-Hg-189

0 Kelvin Cross Sections



10

Incident Energy (MeV)

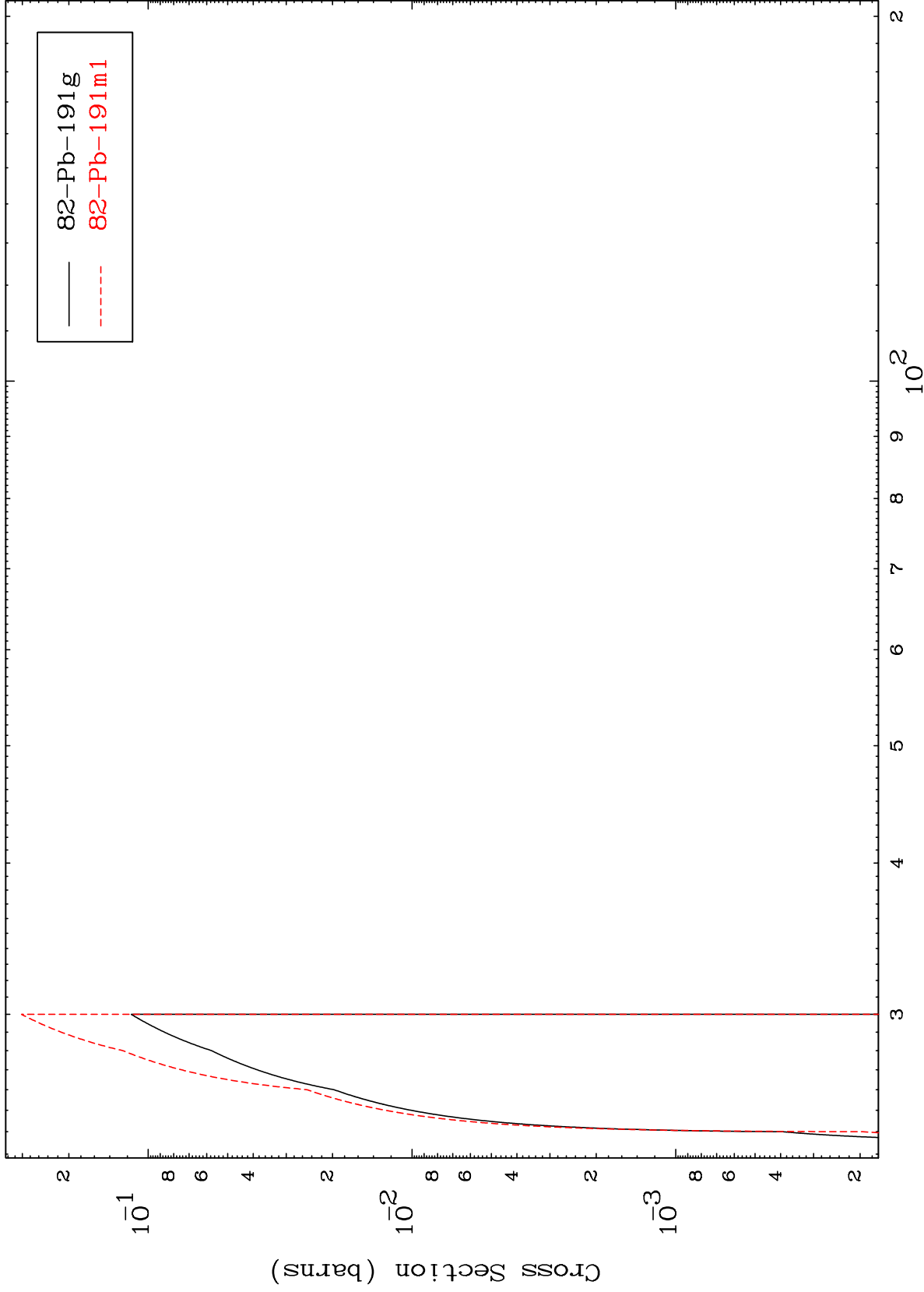
80-Hg-189

MAT 8004

(n,2n)

80-Hg-189

Radionuclide Production Cross Section

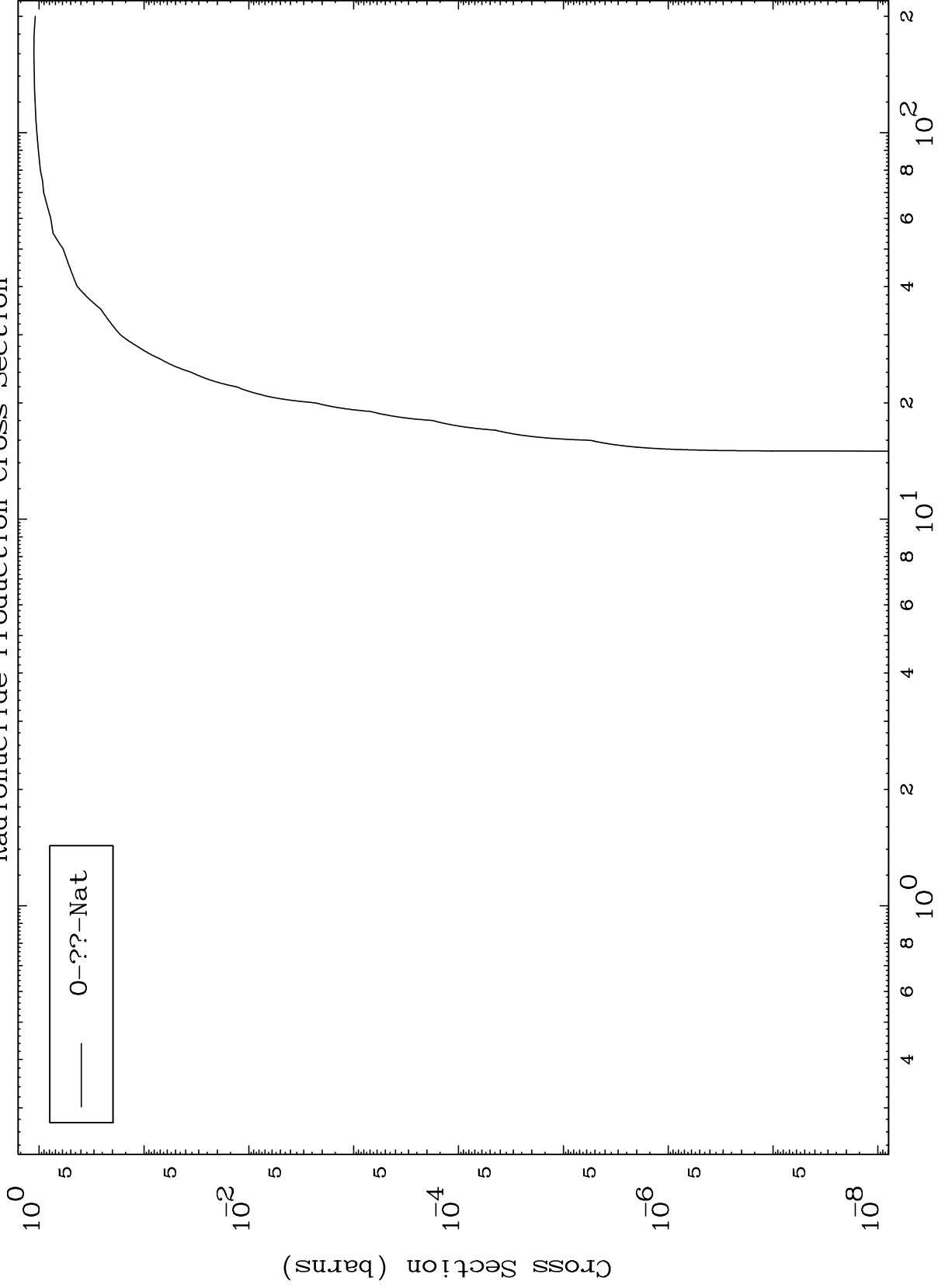


MAT 8004

Fission

80-Hg-189

Radionuclide Production Cross Section

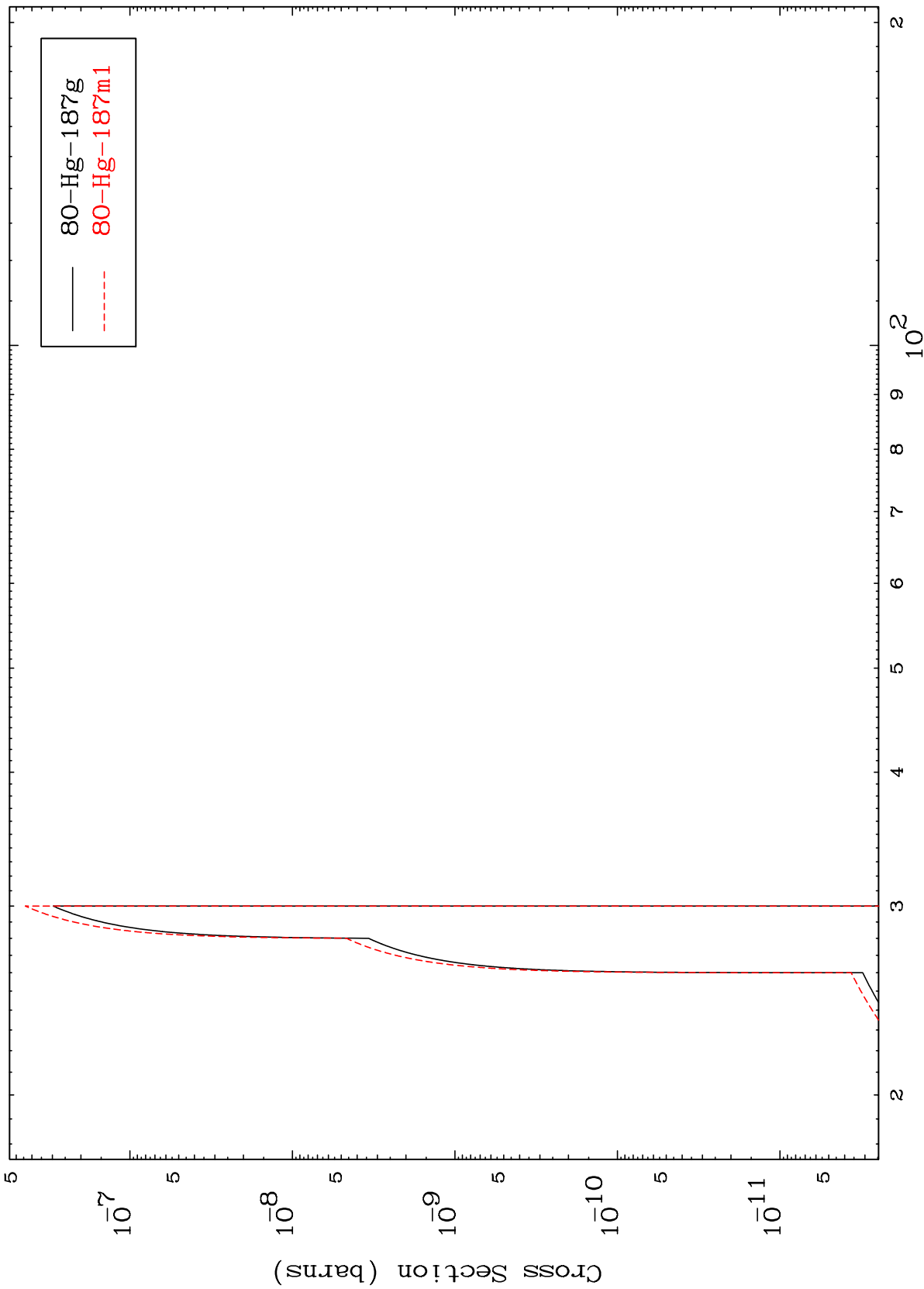


MAT 8004

$(n,2n) \alpha$

80-Hg-189

Radionuclide Production Cross Section



13

Incident Energy (MeV)

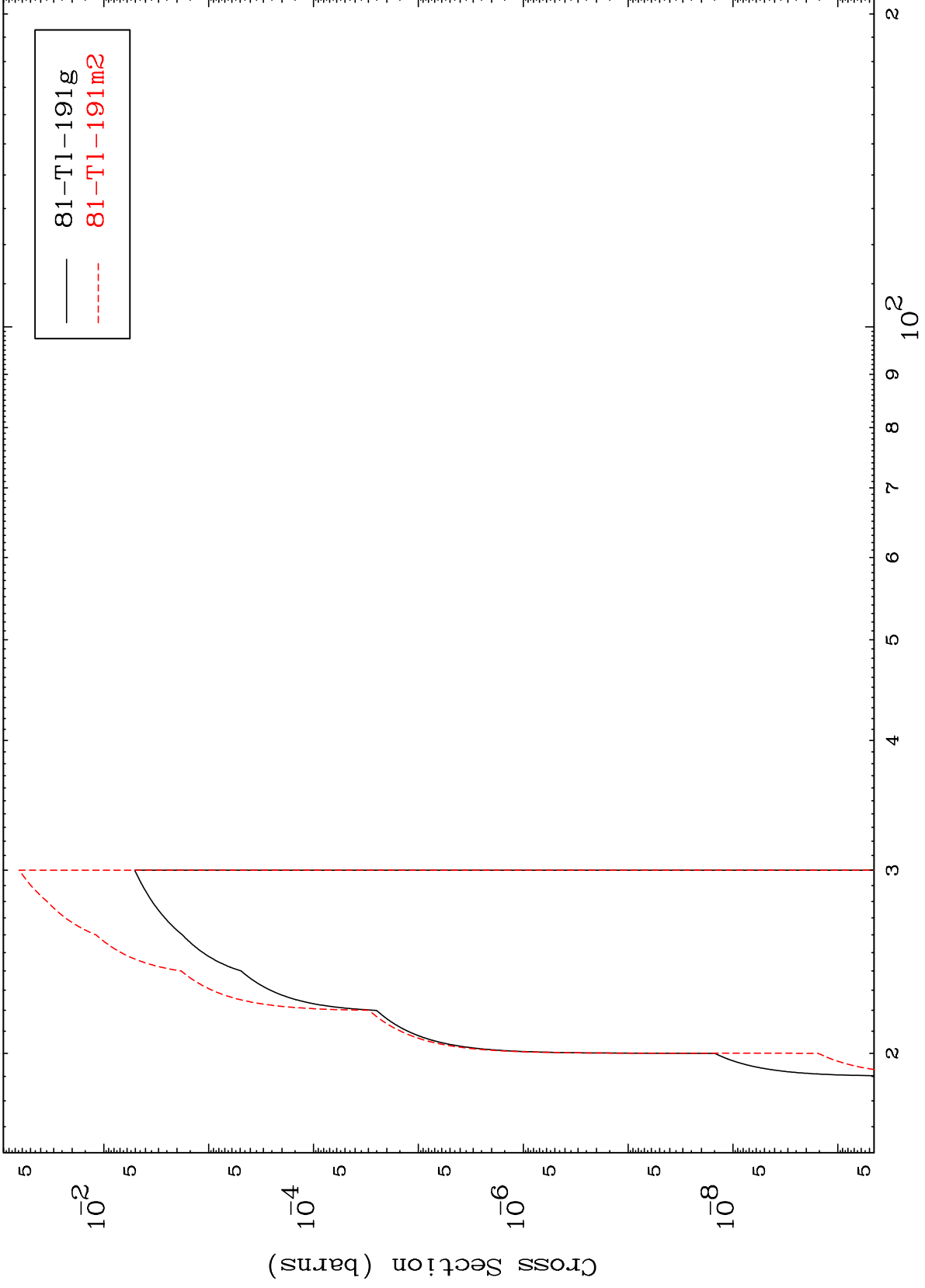
80-Hg-189

MAT 8004

(n, n') p

80-Hg-189

Radionuclide Production Cross Section



14

Incident Energy (MeV)

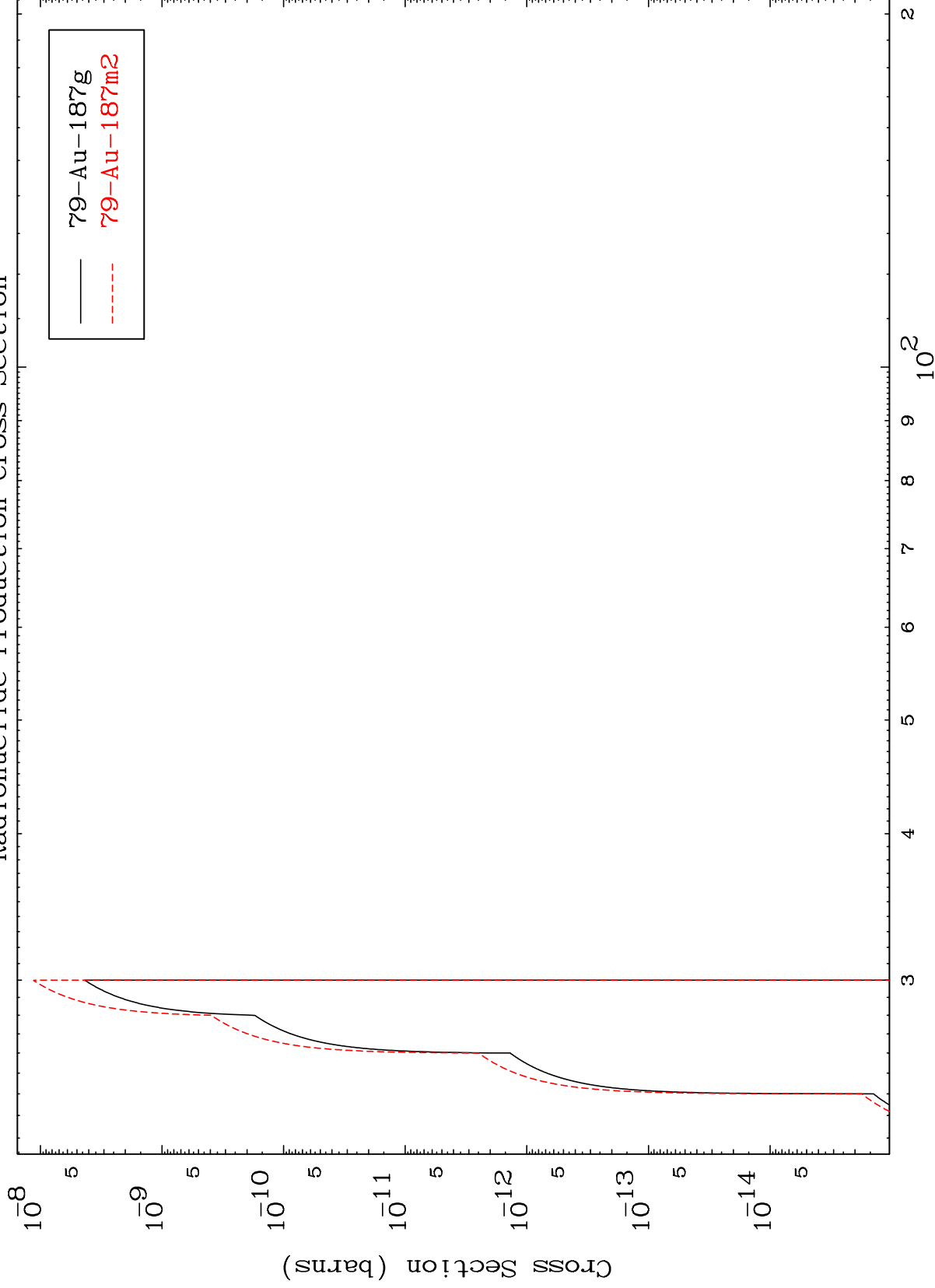
80-Hg-189

MAT 8004

(n,n') p α

80-Hg-189

Radionuclide Production Cross Section



15

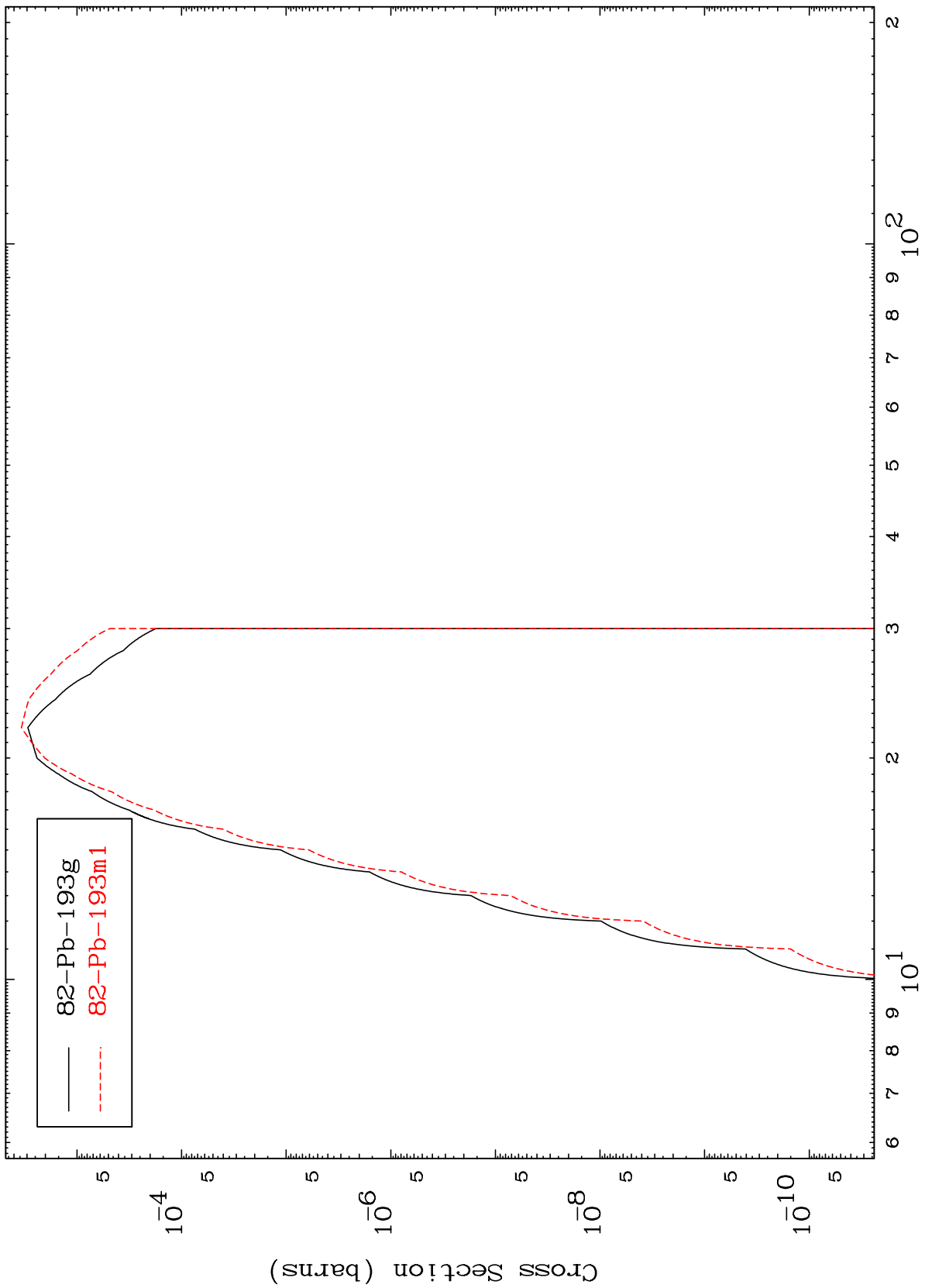
Incident Energy (MeV)

80-Hg-189

MAT 8004

80-Hg-189

Radionuclide Production Cross Section



16

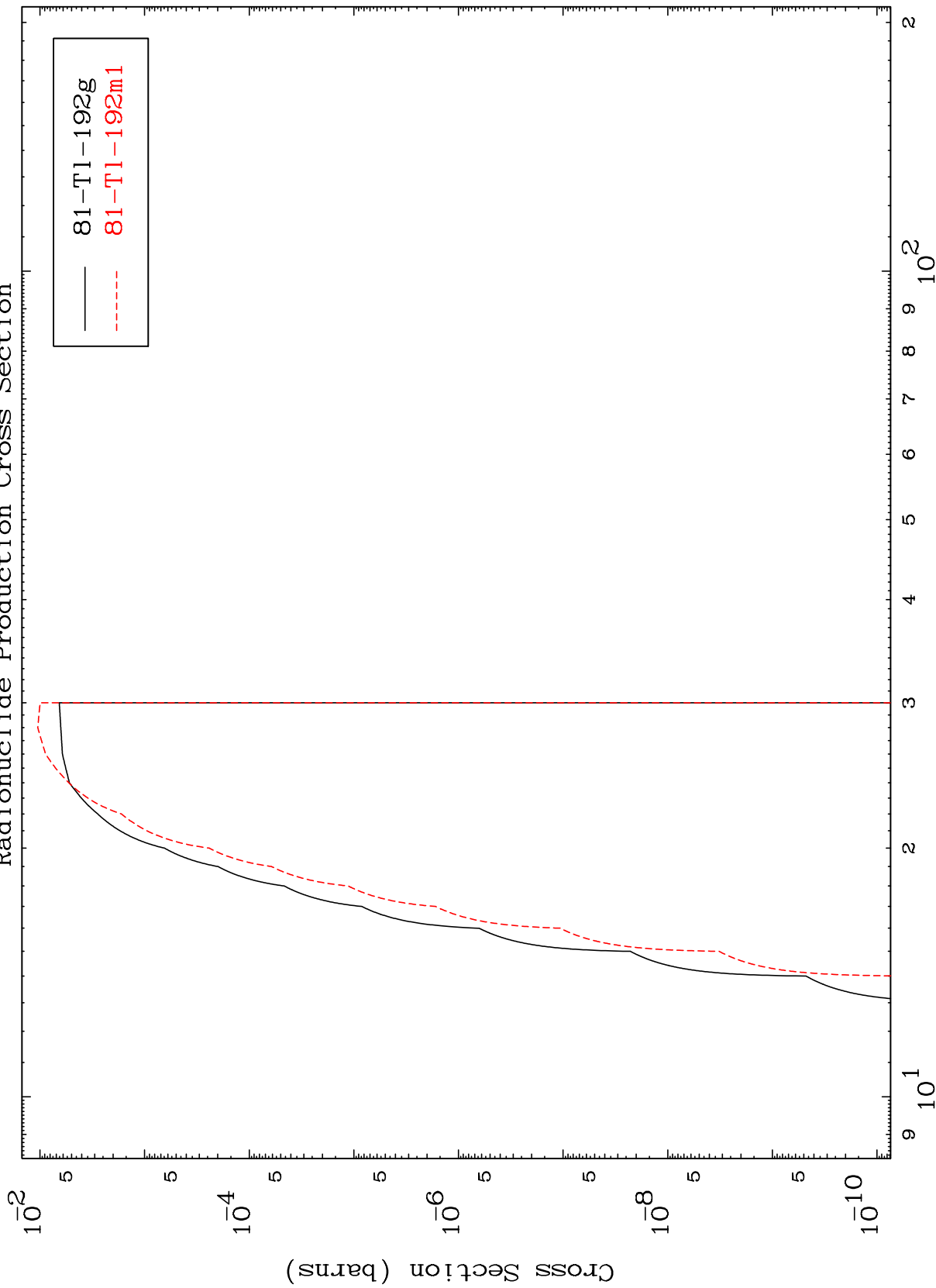
Incident Energy (MeV)

80-Hg-189

MAT 8004

80-Hg-189

(n,p)
Radionuclide Production Cross Section



17

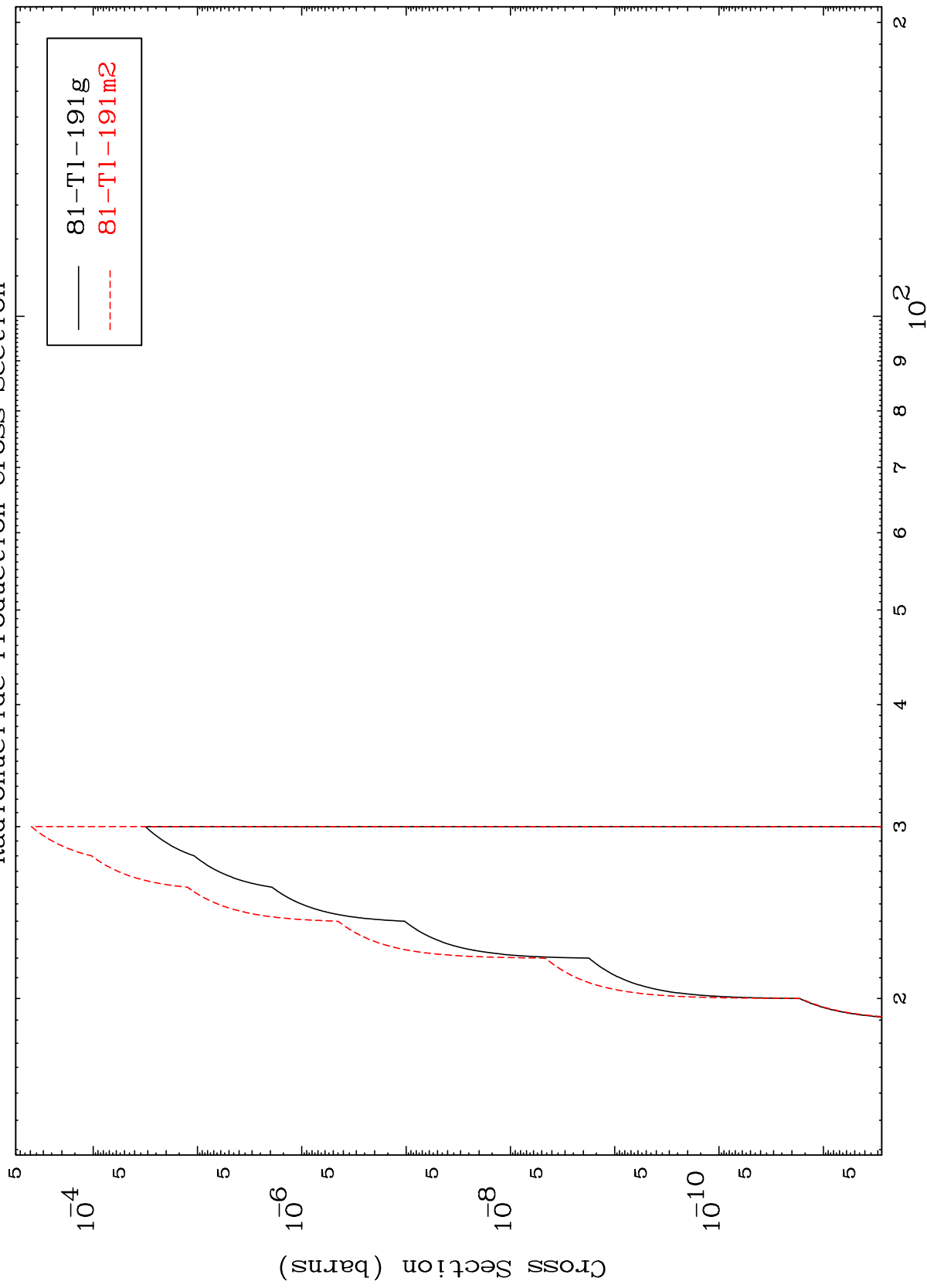
Incident Energy (MeV)

80-Hg-189

MAT 8004

80-Hg-189

(n,d)
Radionuclide Production Cross Section



81-Tl-191g
81-Tl-191m2

18

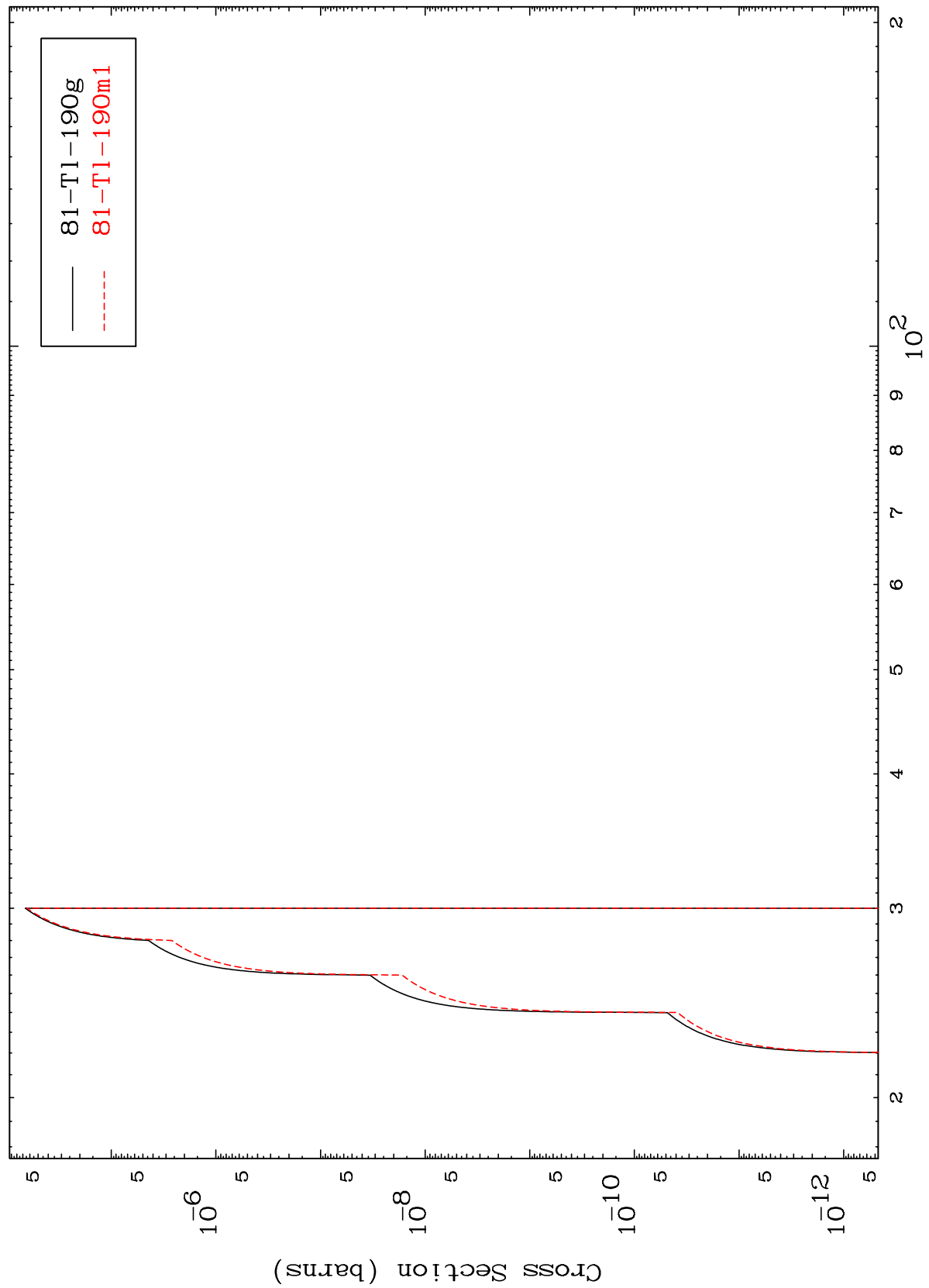
Incident Energy (MeV)

80-Hg-189

MAT 8004

80-Hg-189

(n, t)
Radionuclide Production Cross Section



19

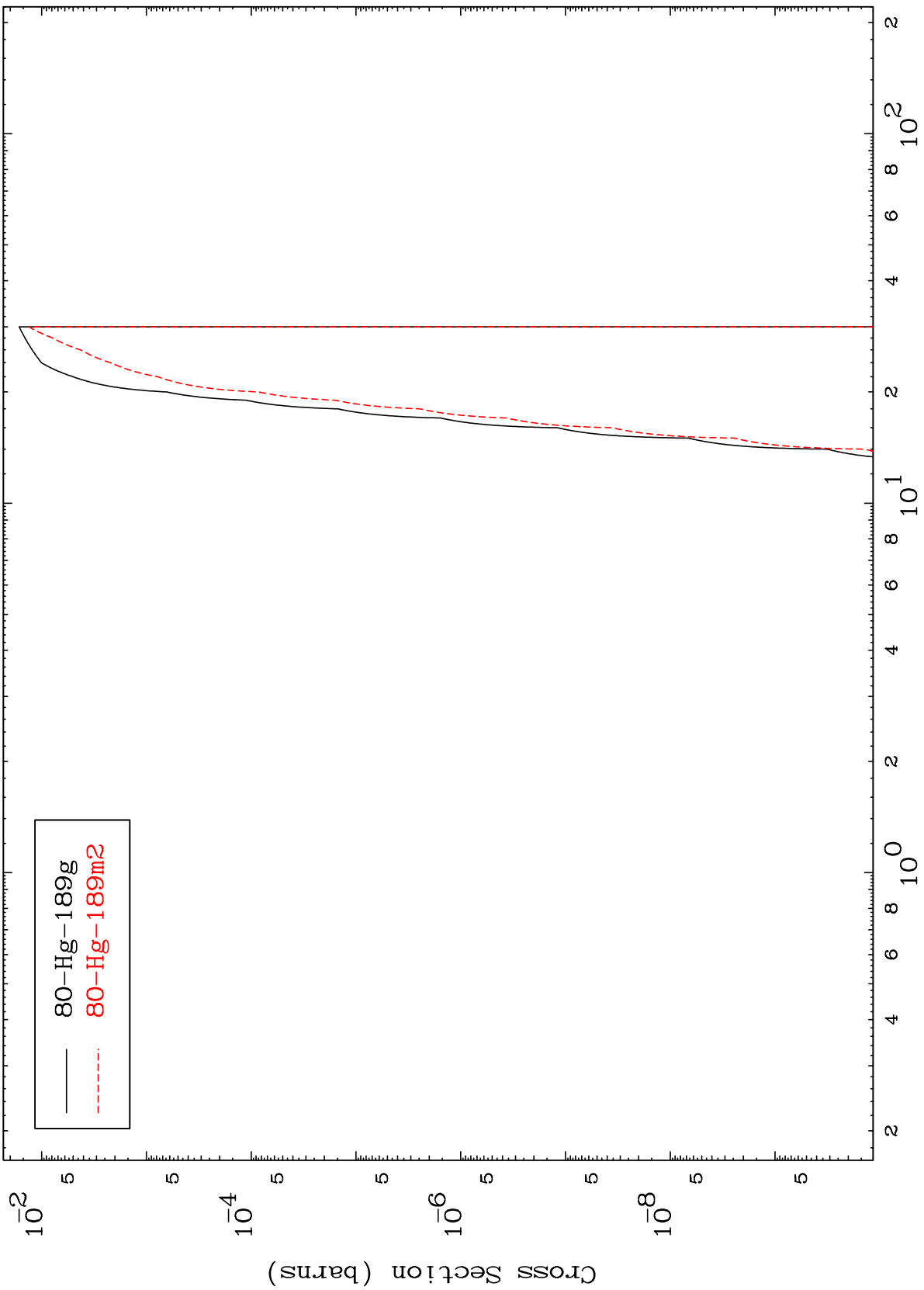
Incident Energy (MeV)

80-Hg-189

MAT 8004

80-Hg-189

Radionuclide Production Cross Section
(n, α)



20

Incident Energy (MeV)

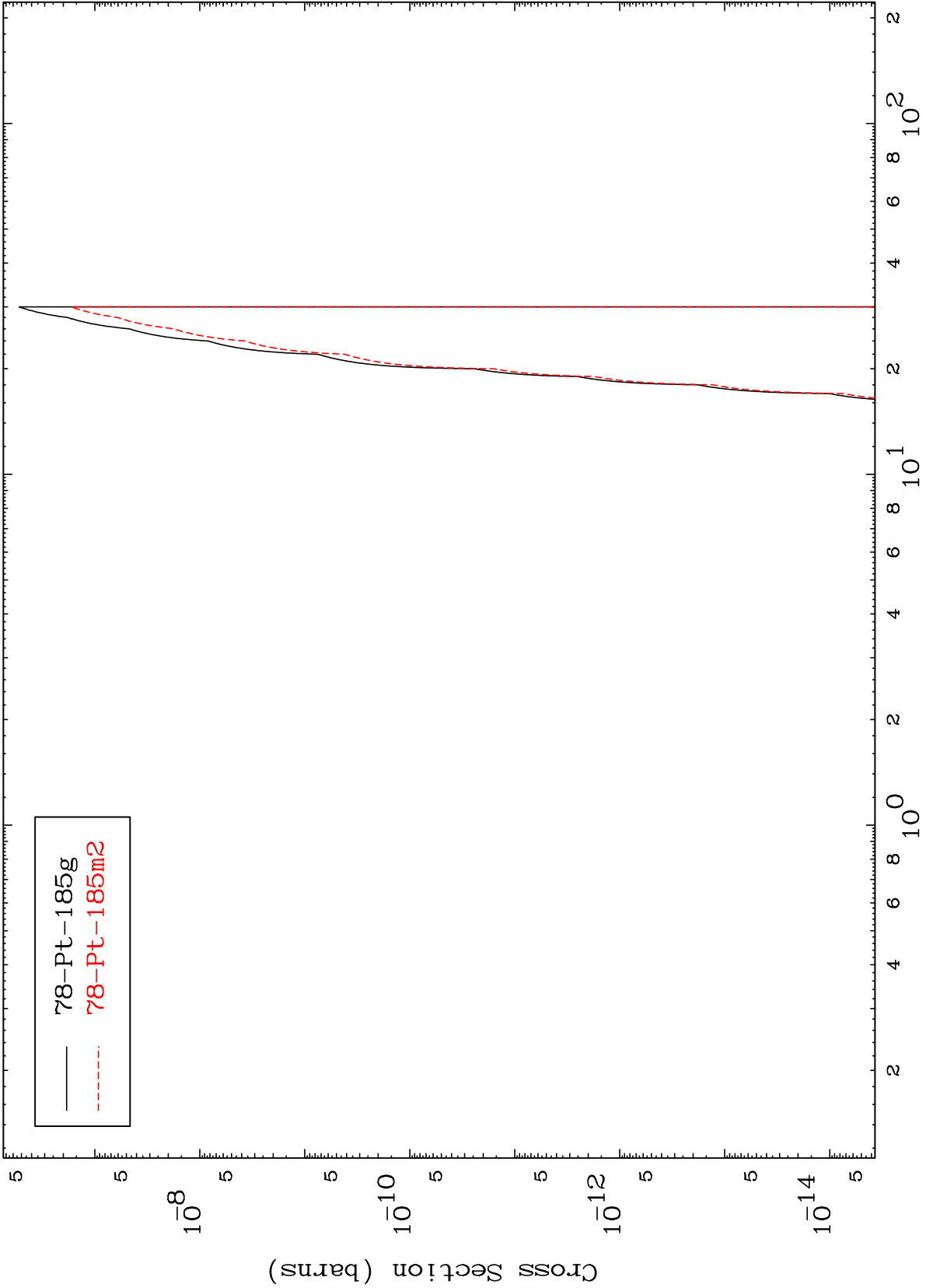
80-Hg-189

MAT 8004

(n,2α)

80-Hg-189

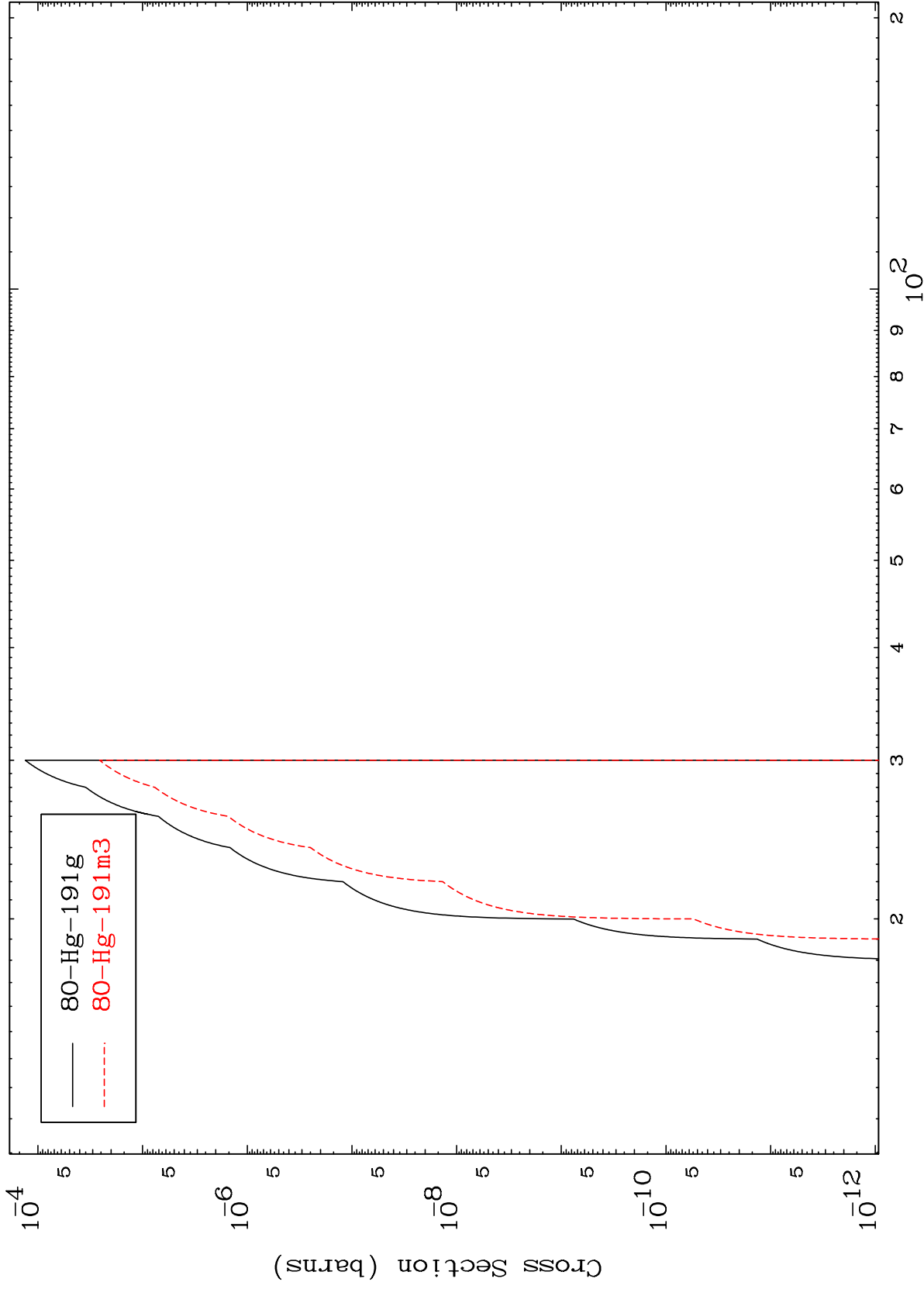
Radionuclide Production Cross Section



MAT 8004

80-Hg-189

(n,2p)
Radionuclide Production Cross Section



80-Hg-189

Incident Energy (MeV)

22