

Program EVALPLOT
(Version 2018-1)

by

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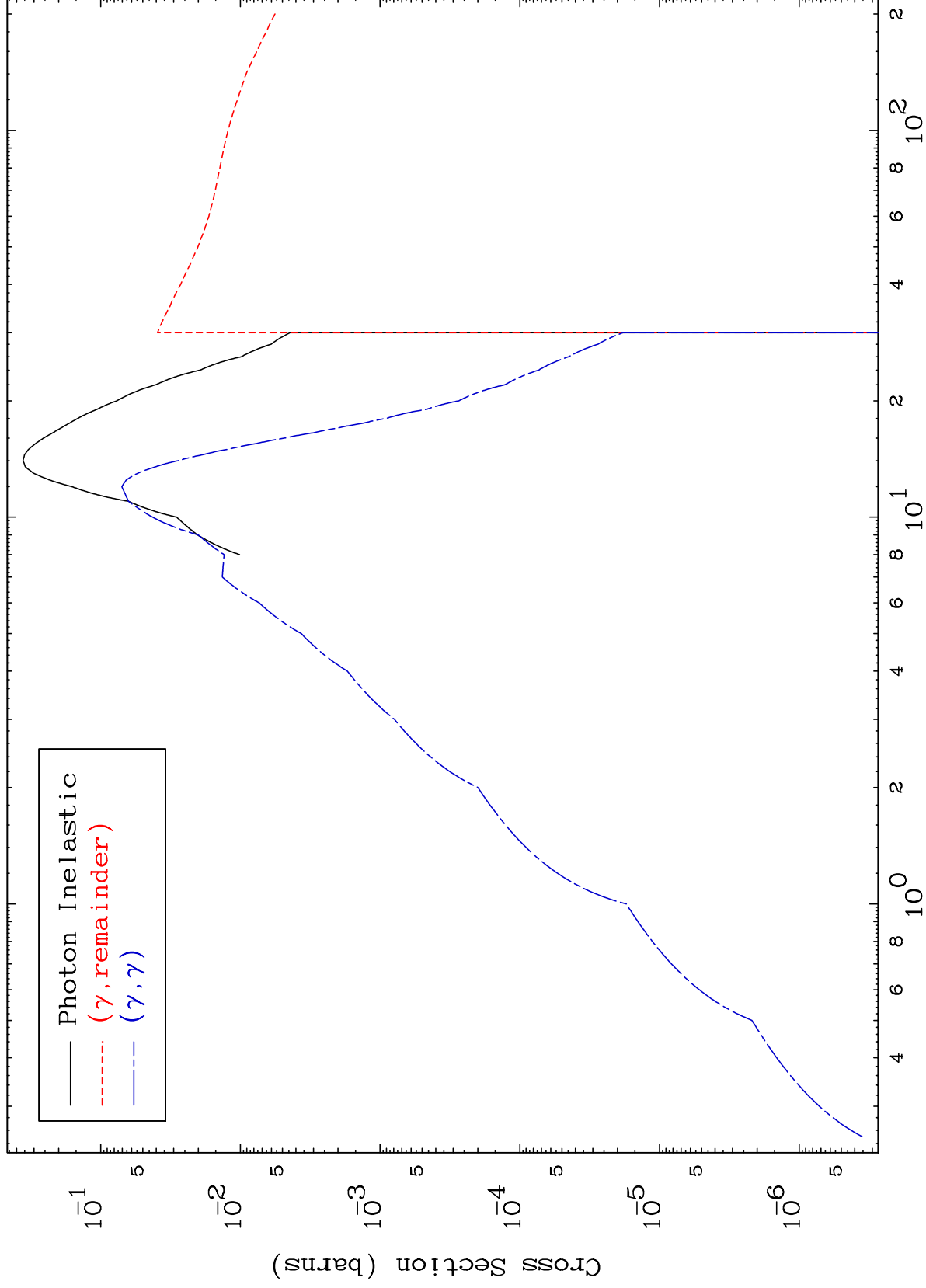
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8004

Photon Major
0 Kelvin Cross Sections

80-Hg-189



1

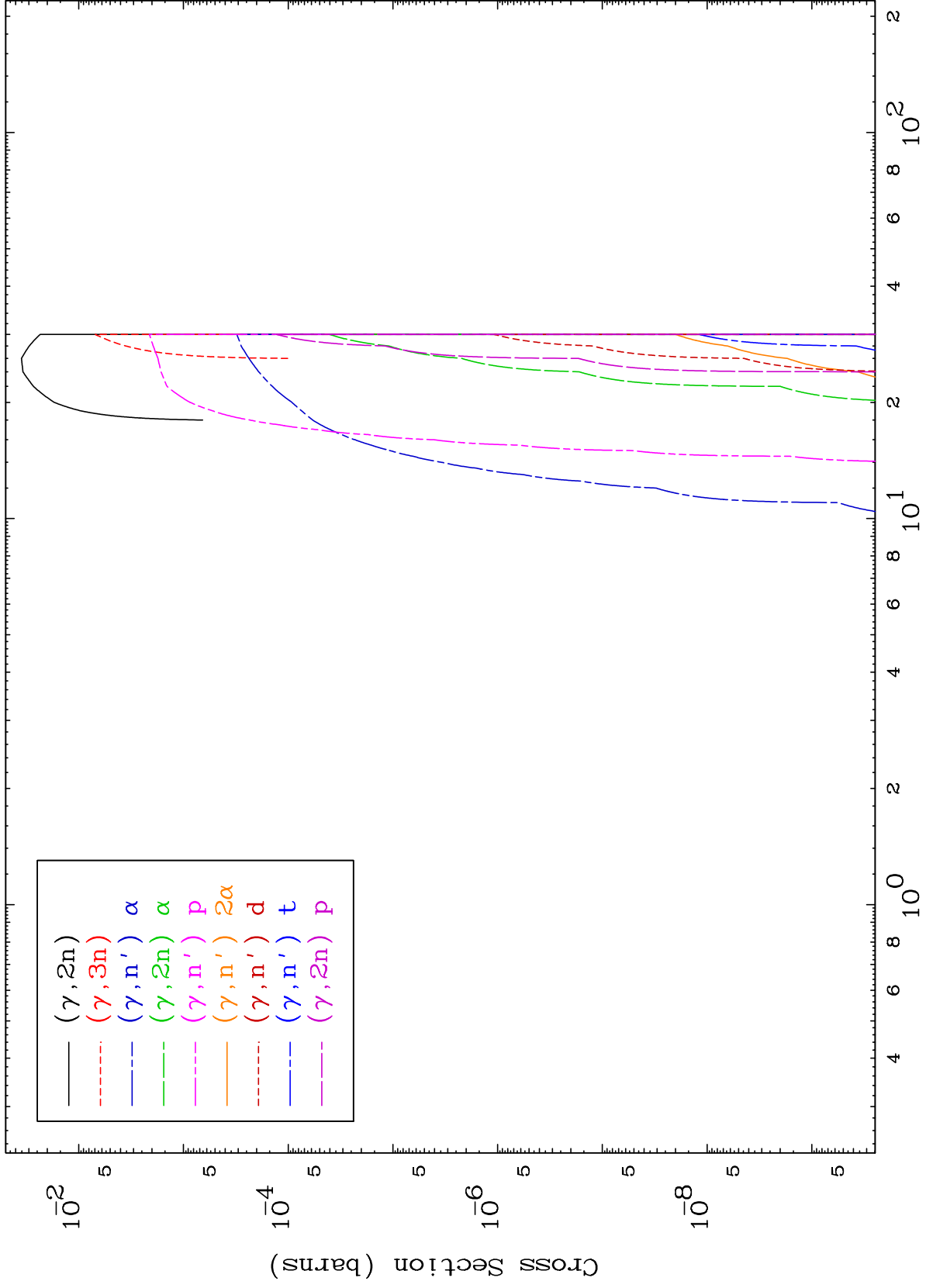
Incident Energy (MeV)

80-Hg-189

MAT 8004

Photon Neutron Production
0 Kelvin Cross Sections

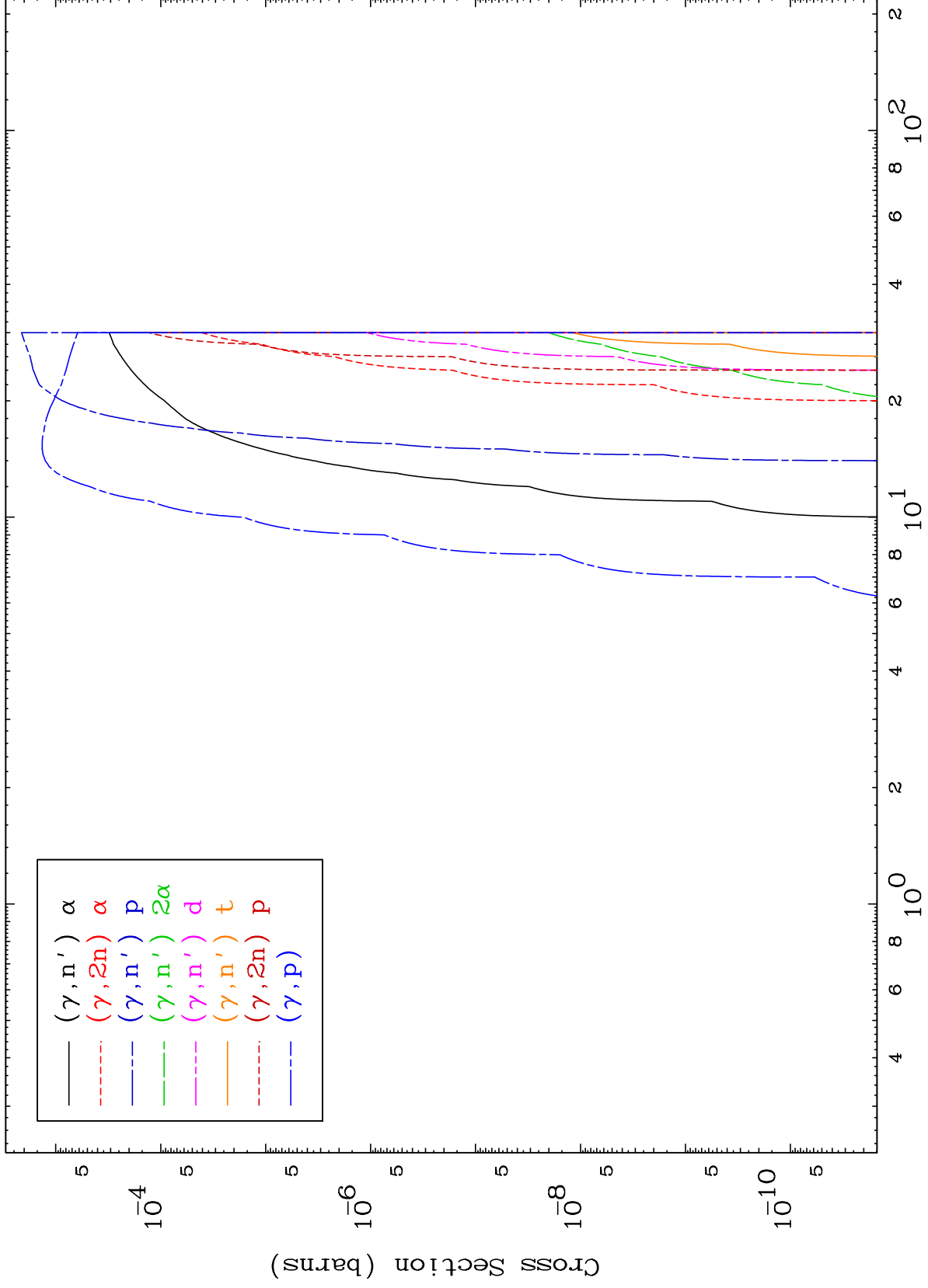
80-Hg-189



MAT 8004

Photon Charged Particle
0 Kelvin Cross Sections

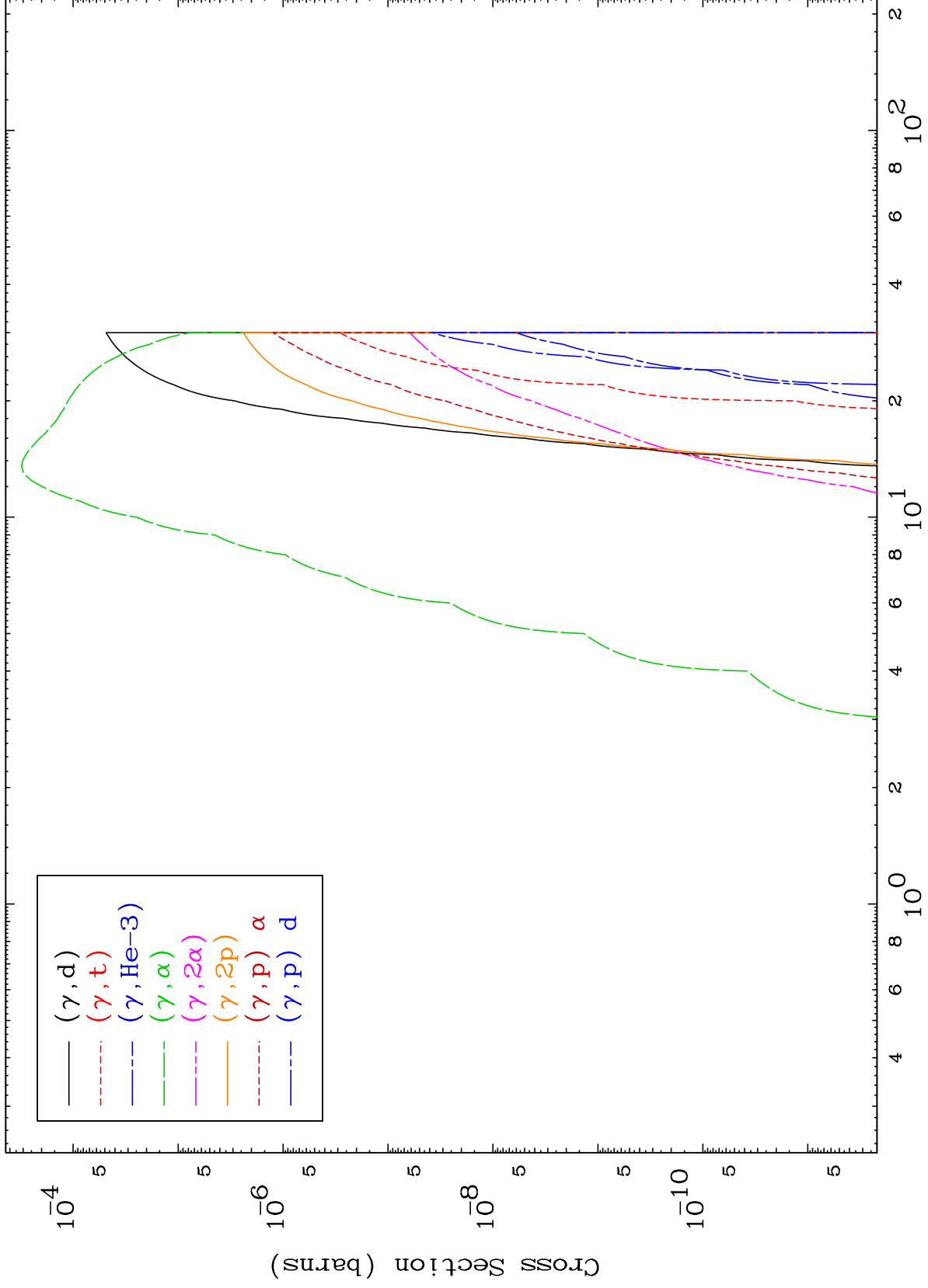
80-Hg-189



MAT 8004

Photon Charged Particle
0 Kelvin Cross Sections

80-Hg-189

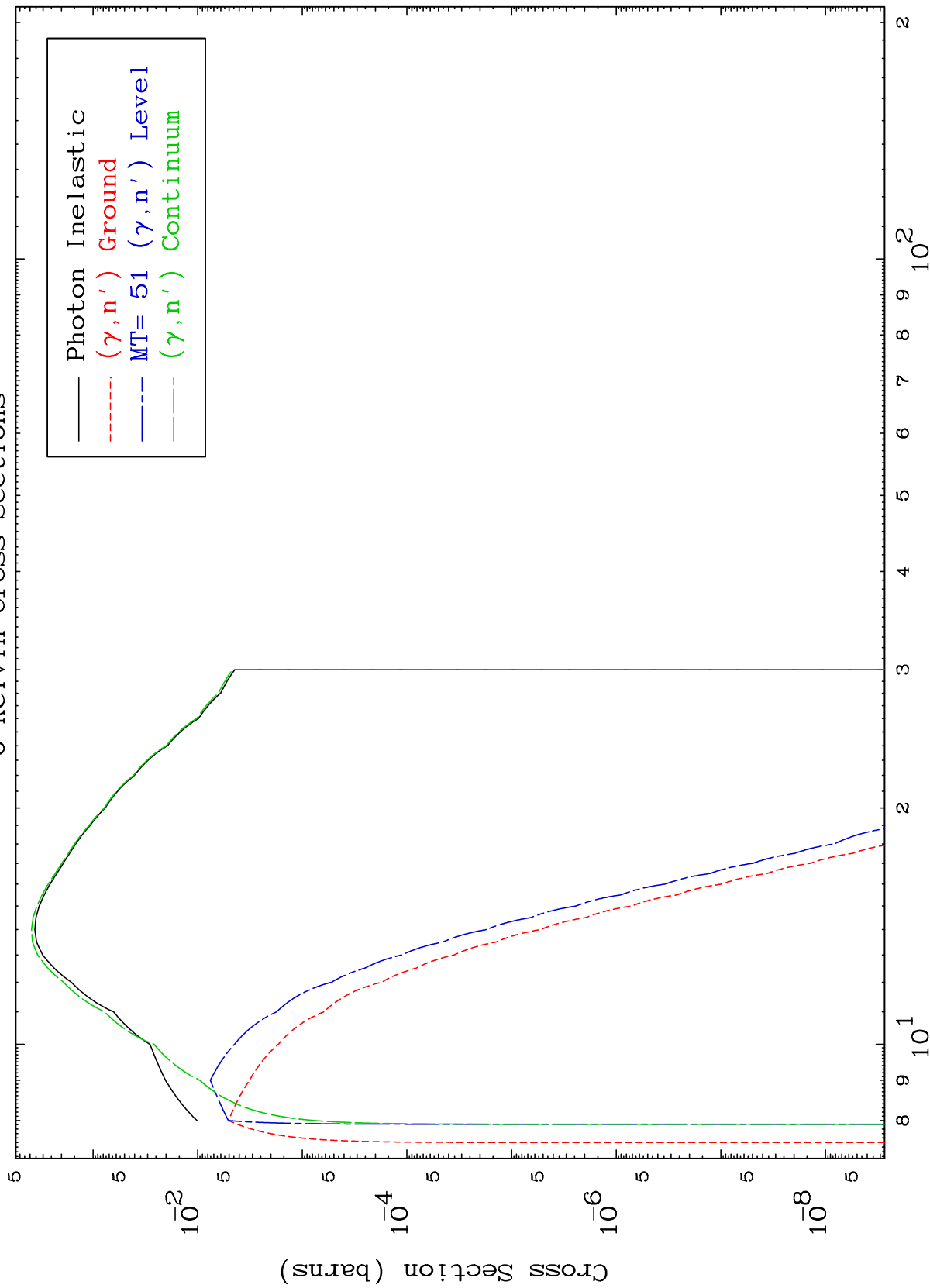


MAT 8004

(γ, n') Level

80-Hg-189

0 Kelvin Cross Sections



Photon Inelastic
 (γ, n') Ground
 $\text{MT}=51$ (γ, n') Level
 (γ, n') Continuum

5

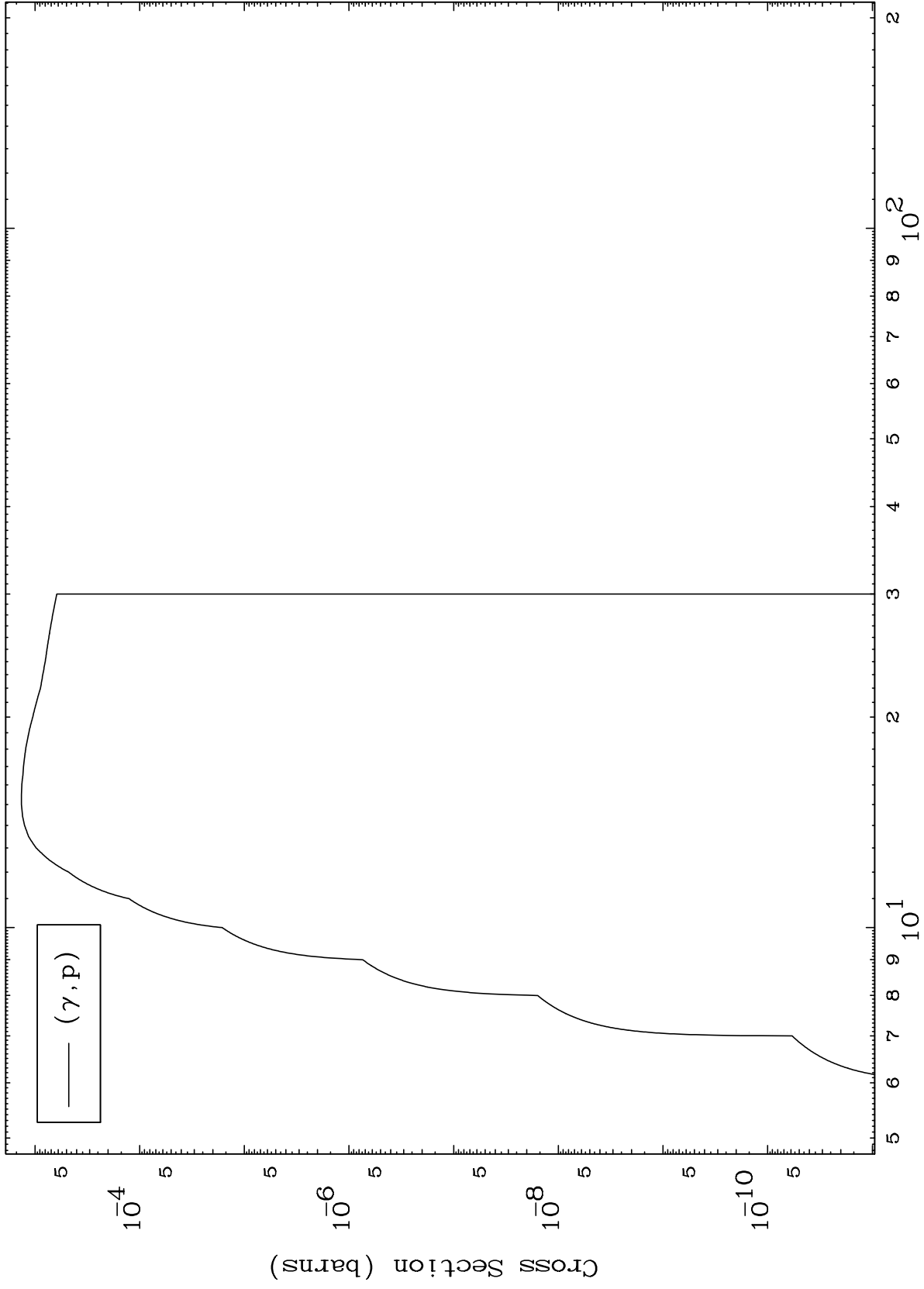
Incident Energy (MeV)

80-Hg-189

MAT 8004

(γ, p) Levels
0 Kelvin Cross Sections

80-Hg-189



6

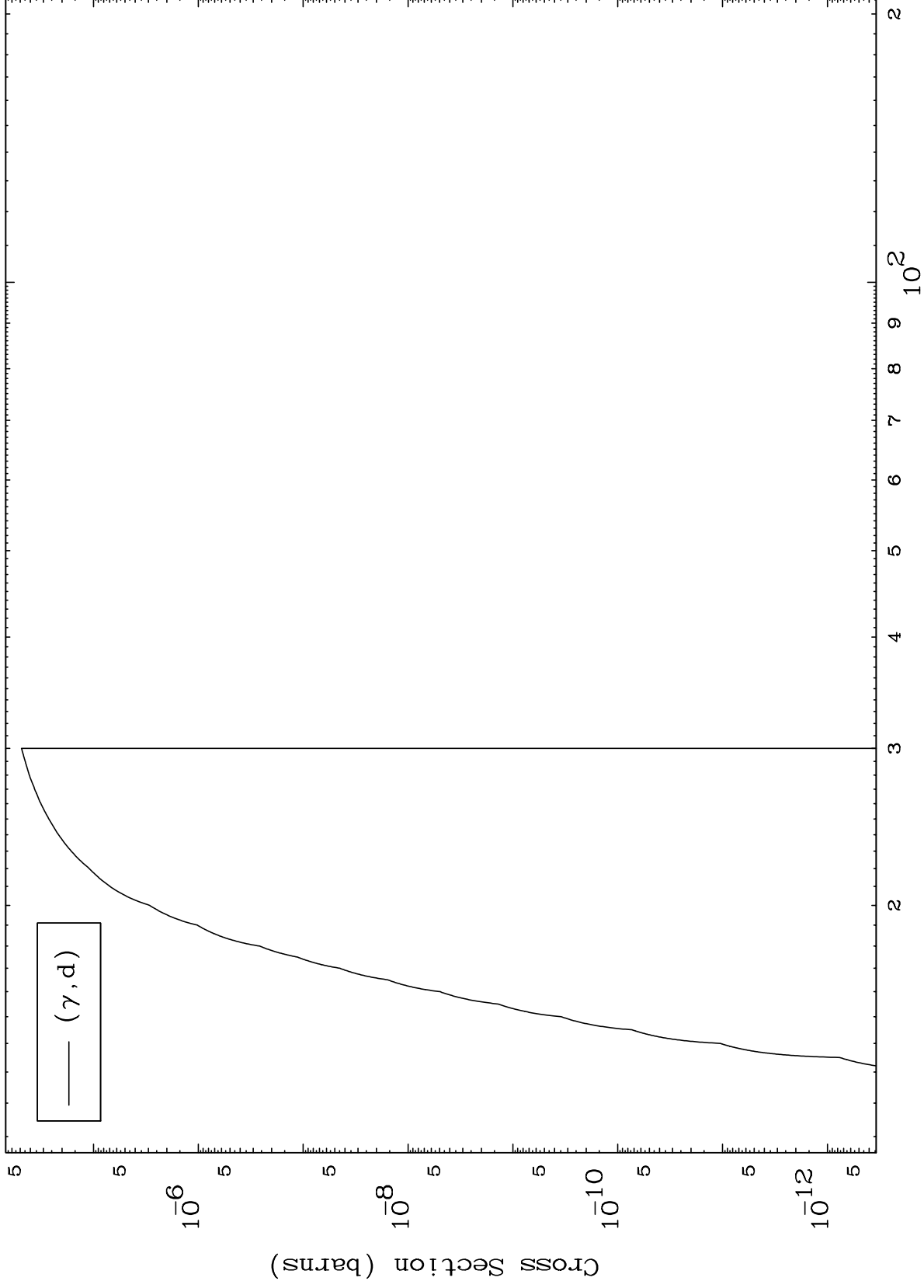
Incident Energy (MeV)

80-Hg-189

MAT 8004

(γ, d) Levels
0 Kelvin Cross Sections

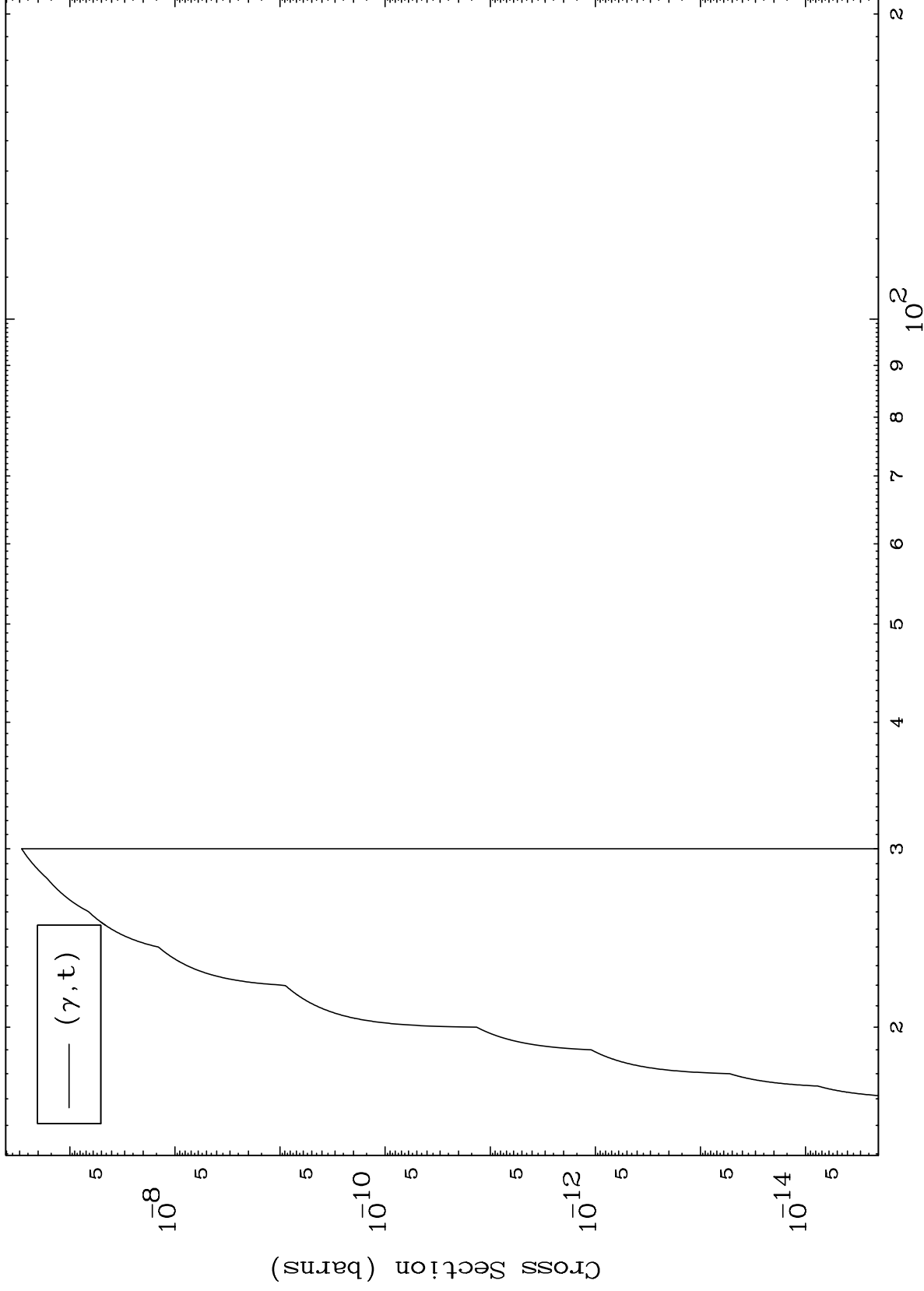
80-Hg-189

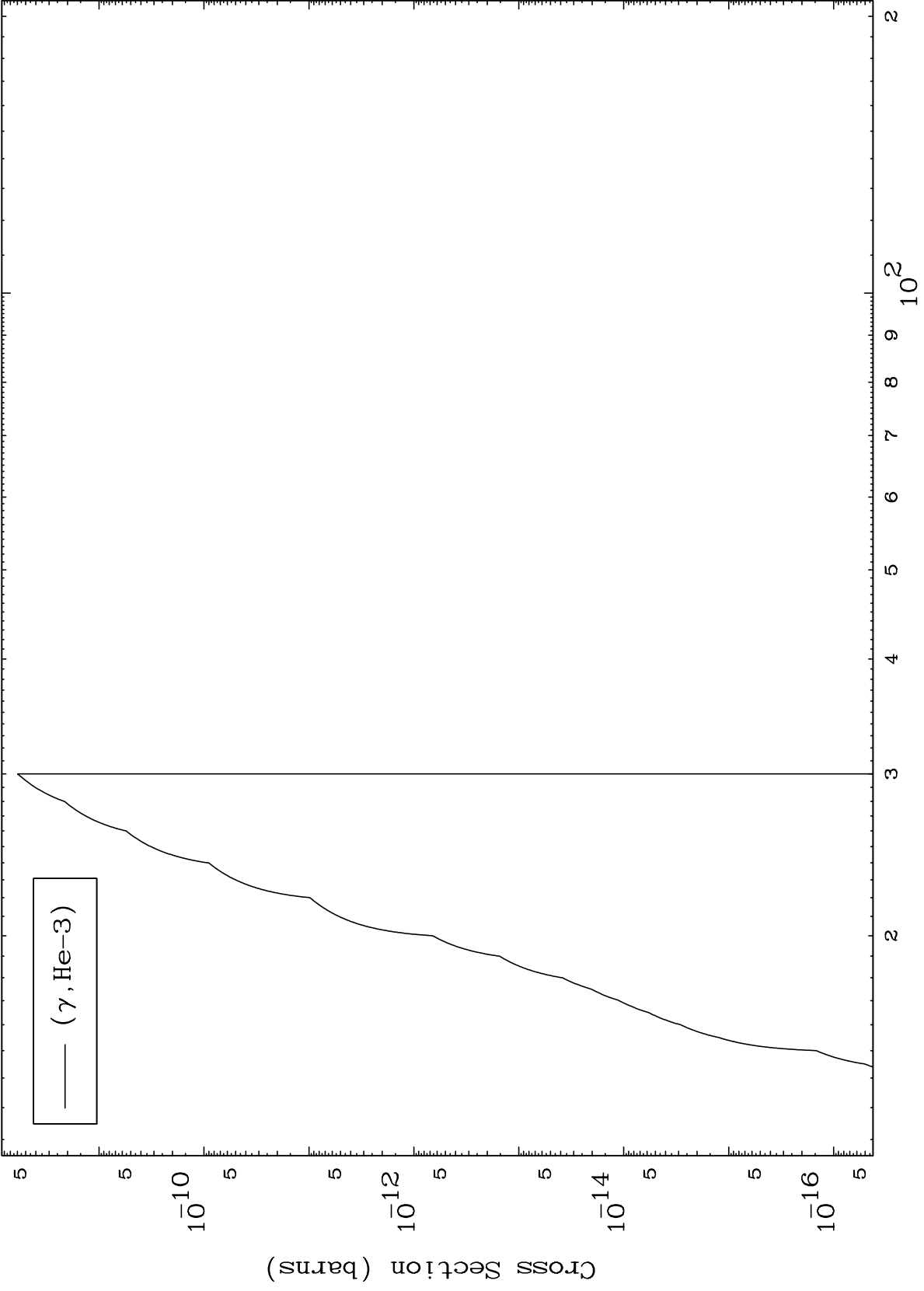


7

Incident Energy (MeV)

80-Hg-189

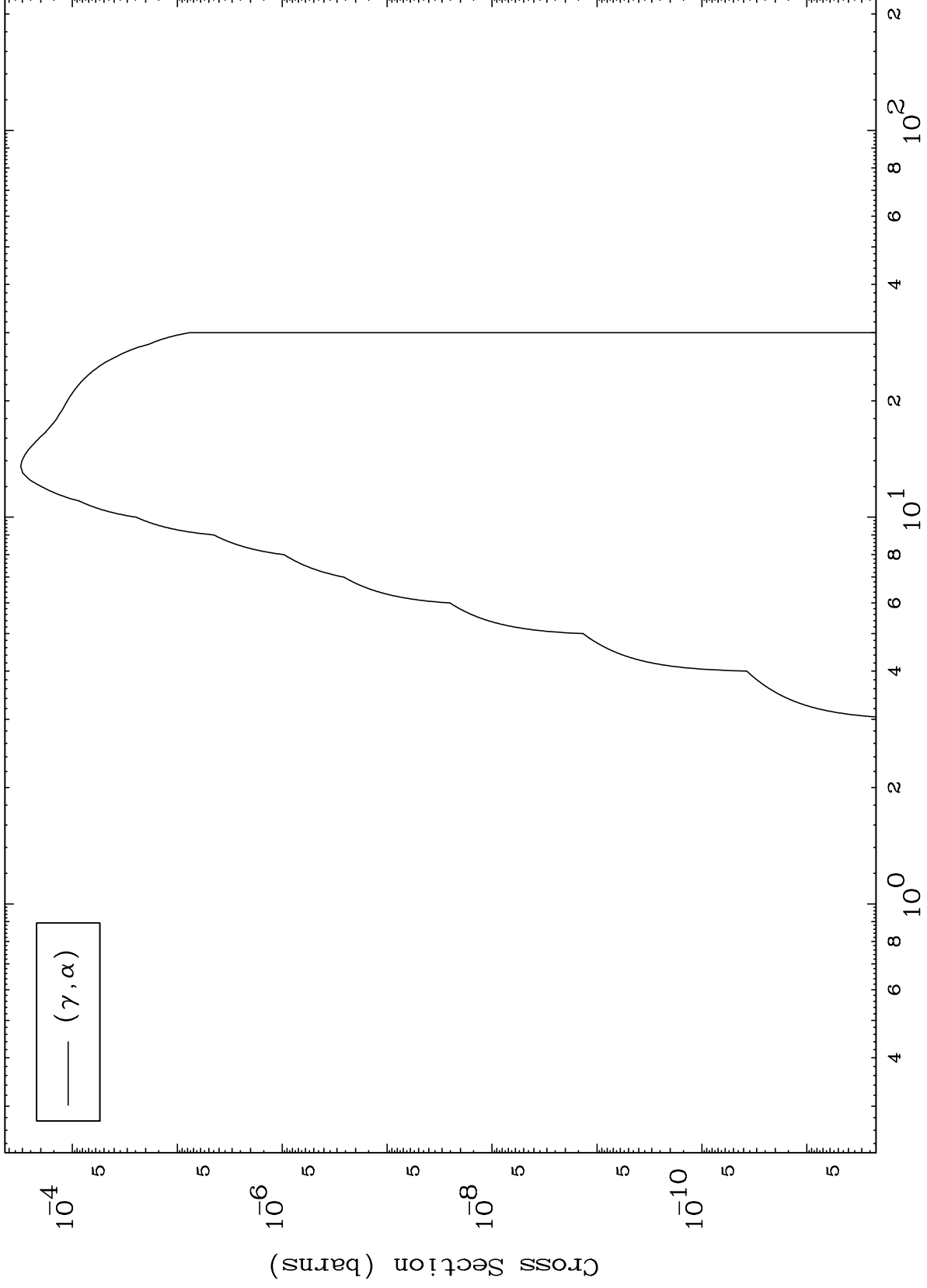




MAT 8004

(γ, α) Levels
0 Kelvin Cross Sections

80-Hg-189



10

Incident Energy (MeV)

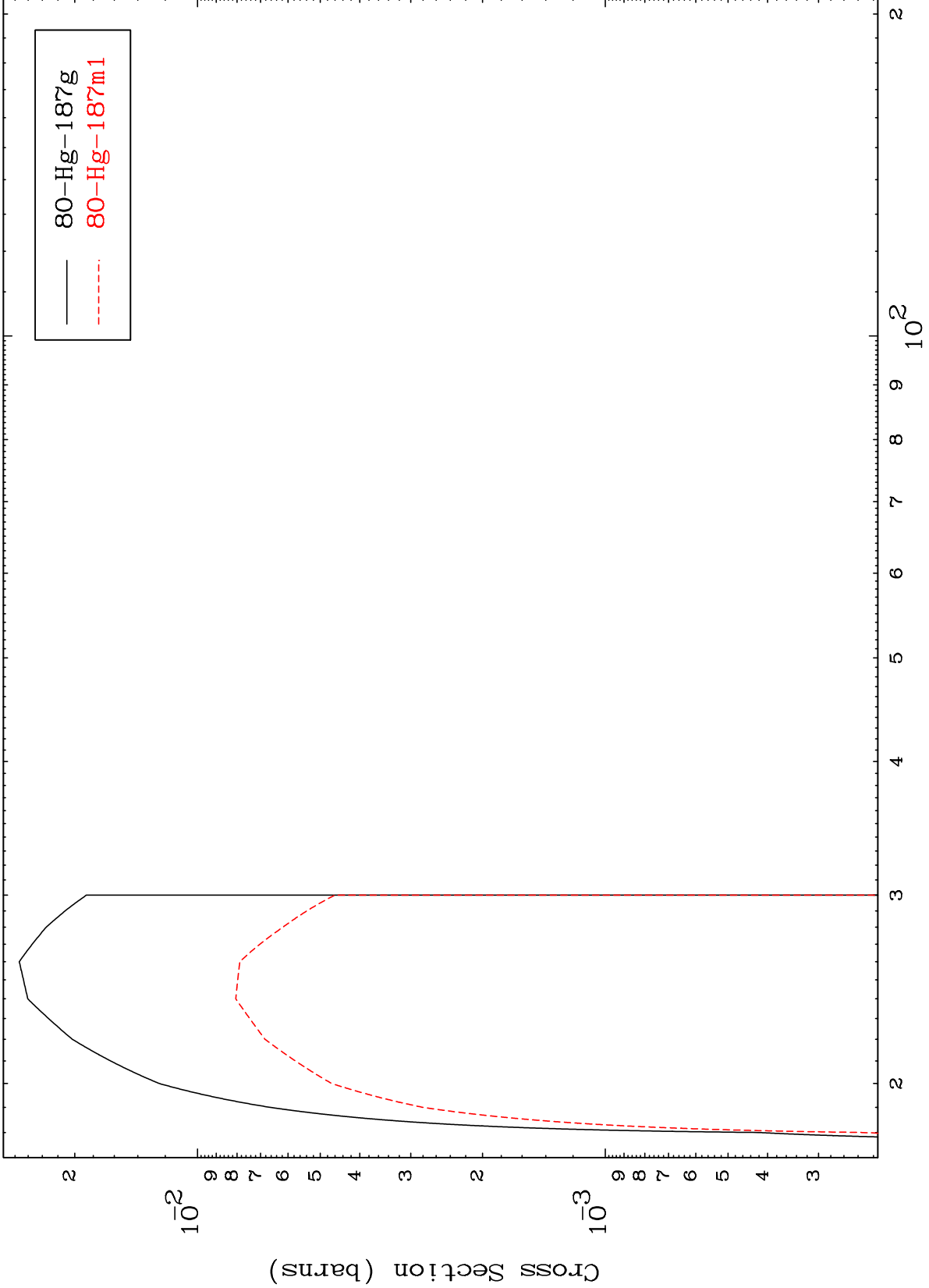
80-Hg-189

MAT 8004

($\gamma, 2n$)

80-Hg-189

Radionuclide Production Cross Section



80-Hg-187g
80-Hg-187m1

11

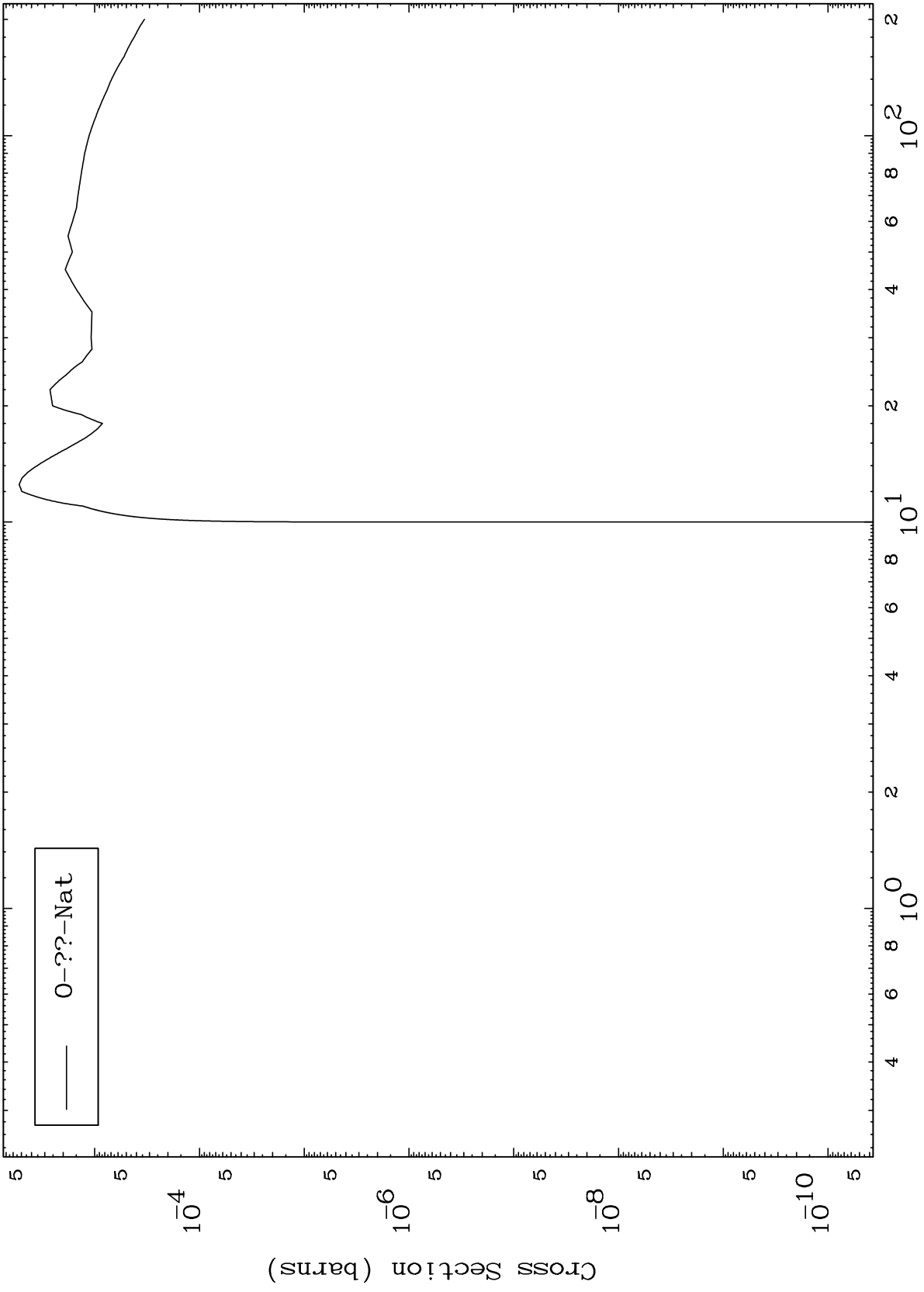
Incident Energy (MeV)

80-Hg-189

MAT 8004

Photon Fission
Radionuclide Production Cross Section

80-Hg-189



12

Incident Energy (MeV)

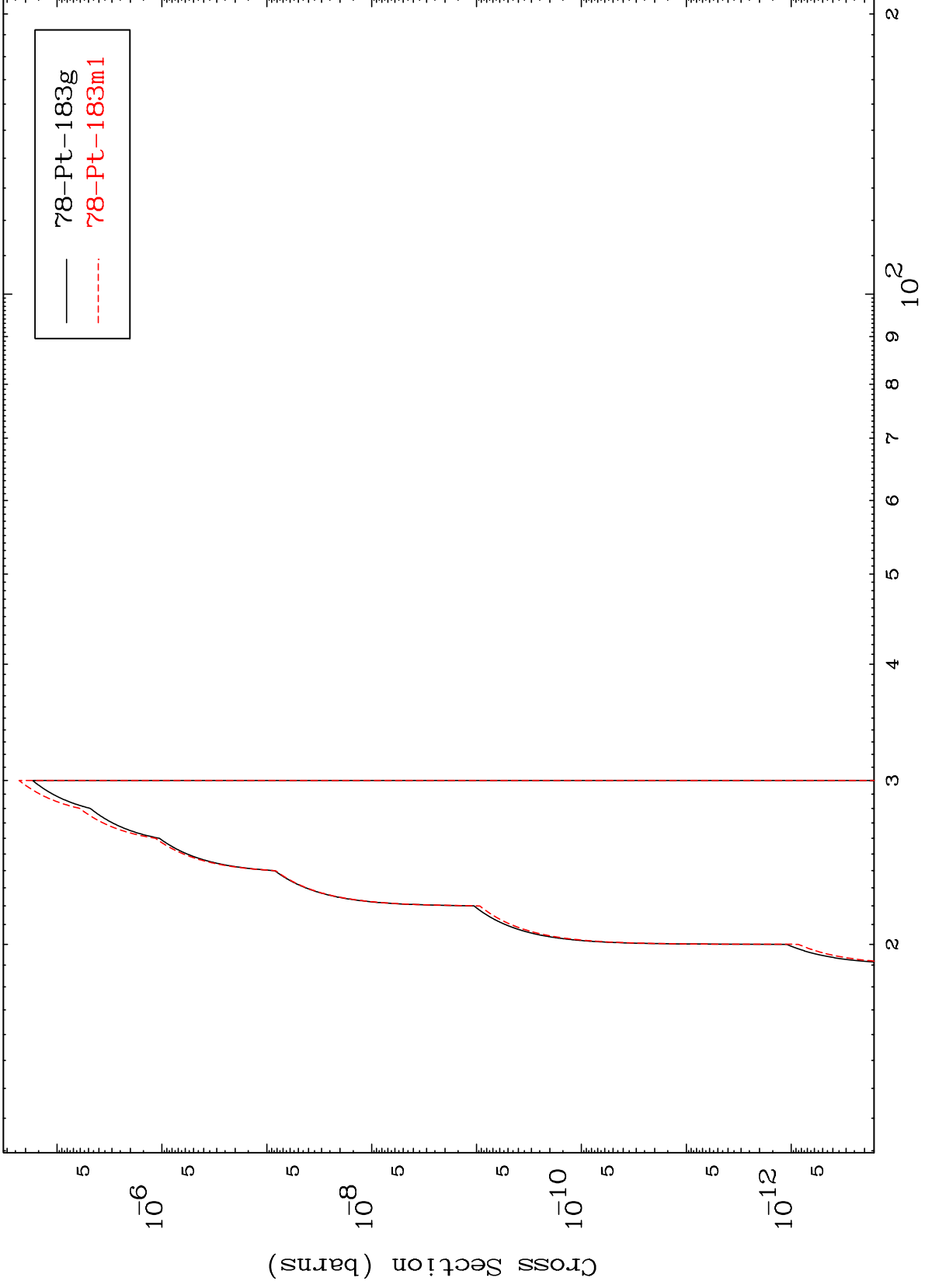
80-Hg-189

MAT 8004

$(\gamma, 2n) \alpha$

80-Hg-189

Radionuclide Production Cross Section

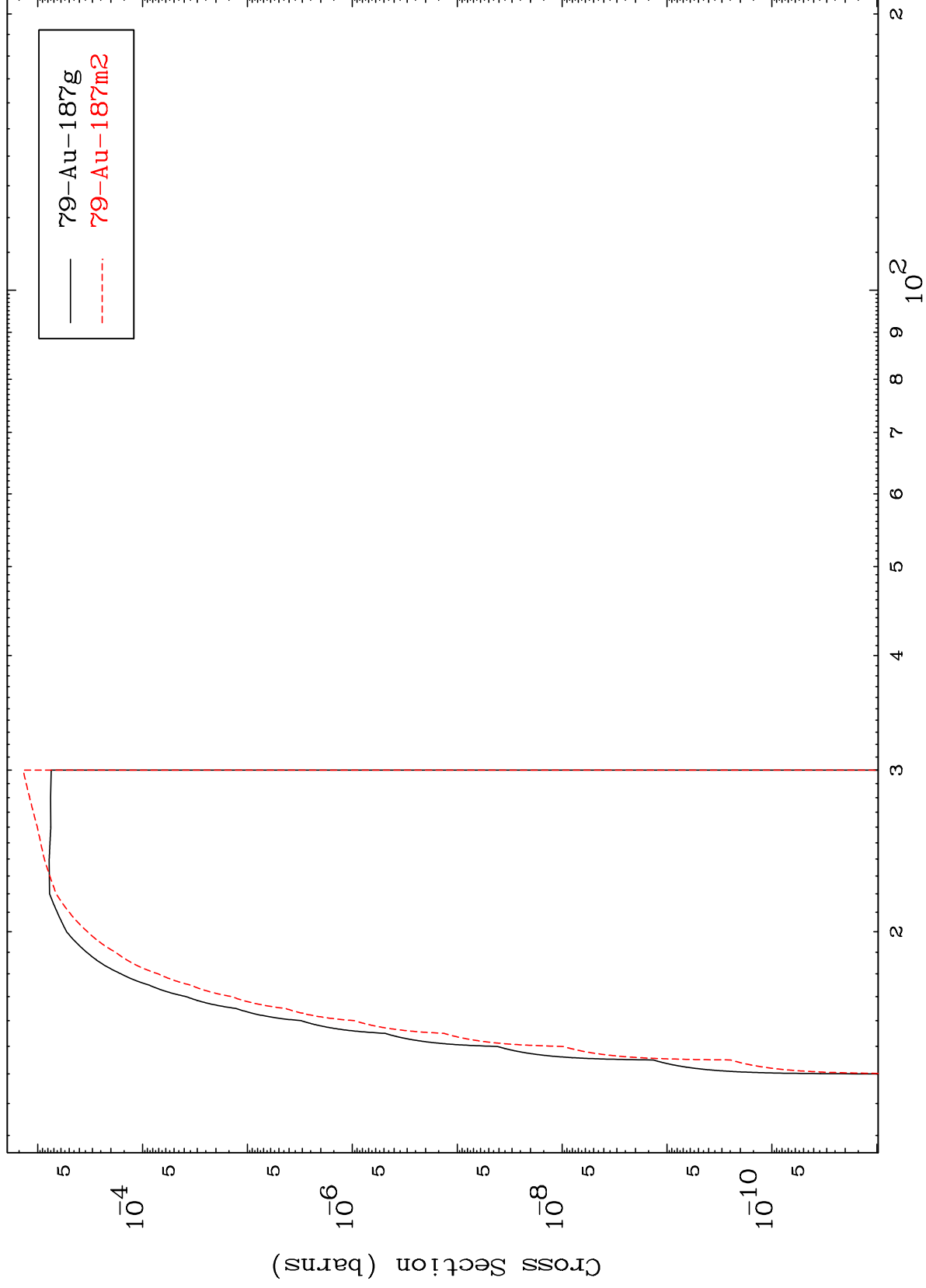


MAT 8004

(γ, n') p

80-Hg-189

Radionuclide Production Cross Section



14

Incident Energy (MeV)

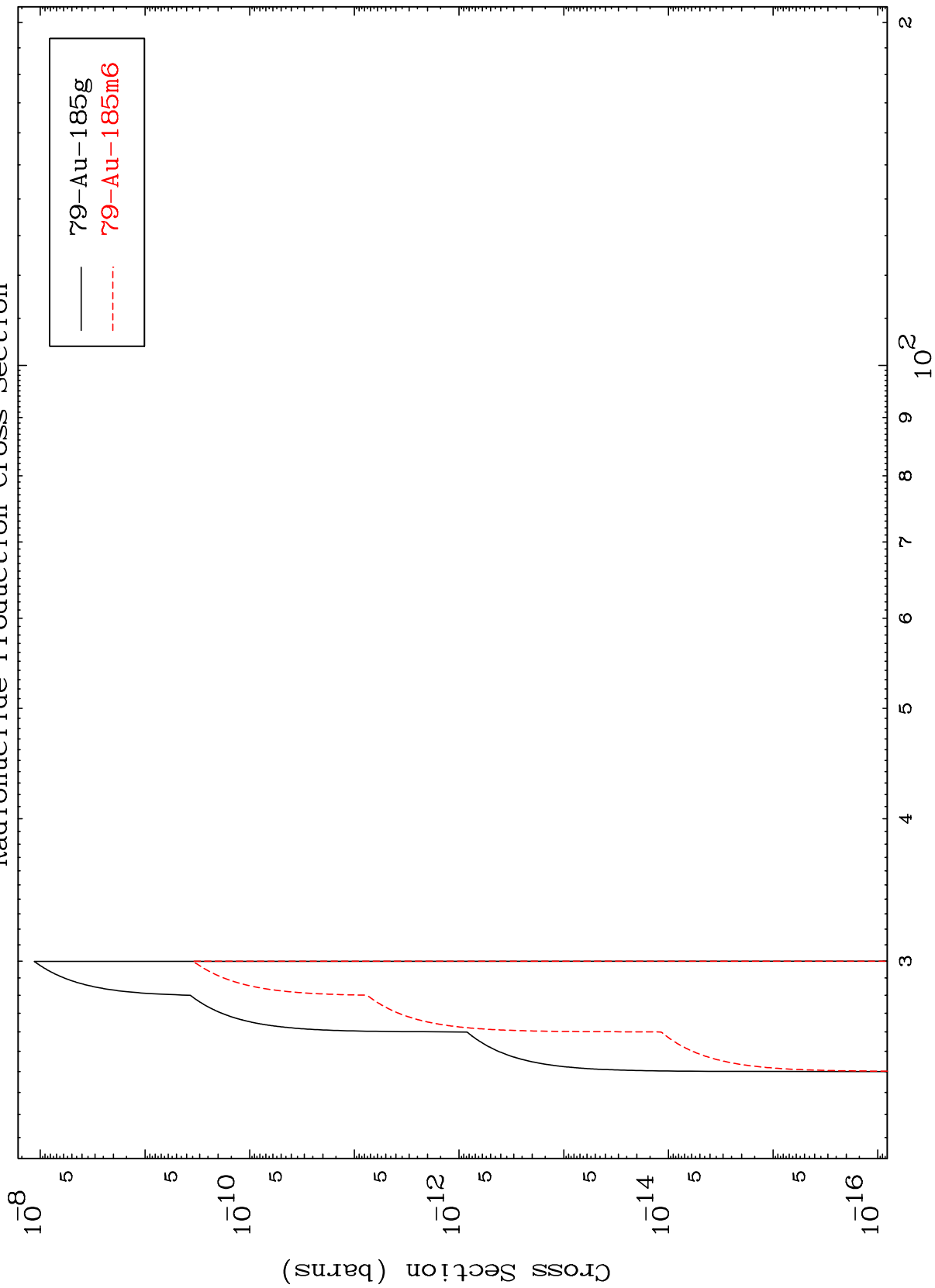
80-Hg-189

MAT 8004

(γ, n') t

80-Hg-189

Radionuclide Production Cross Section



15

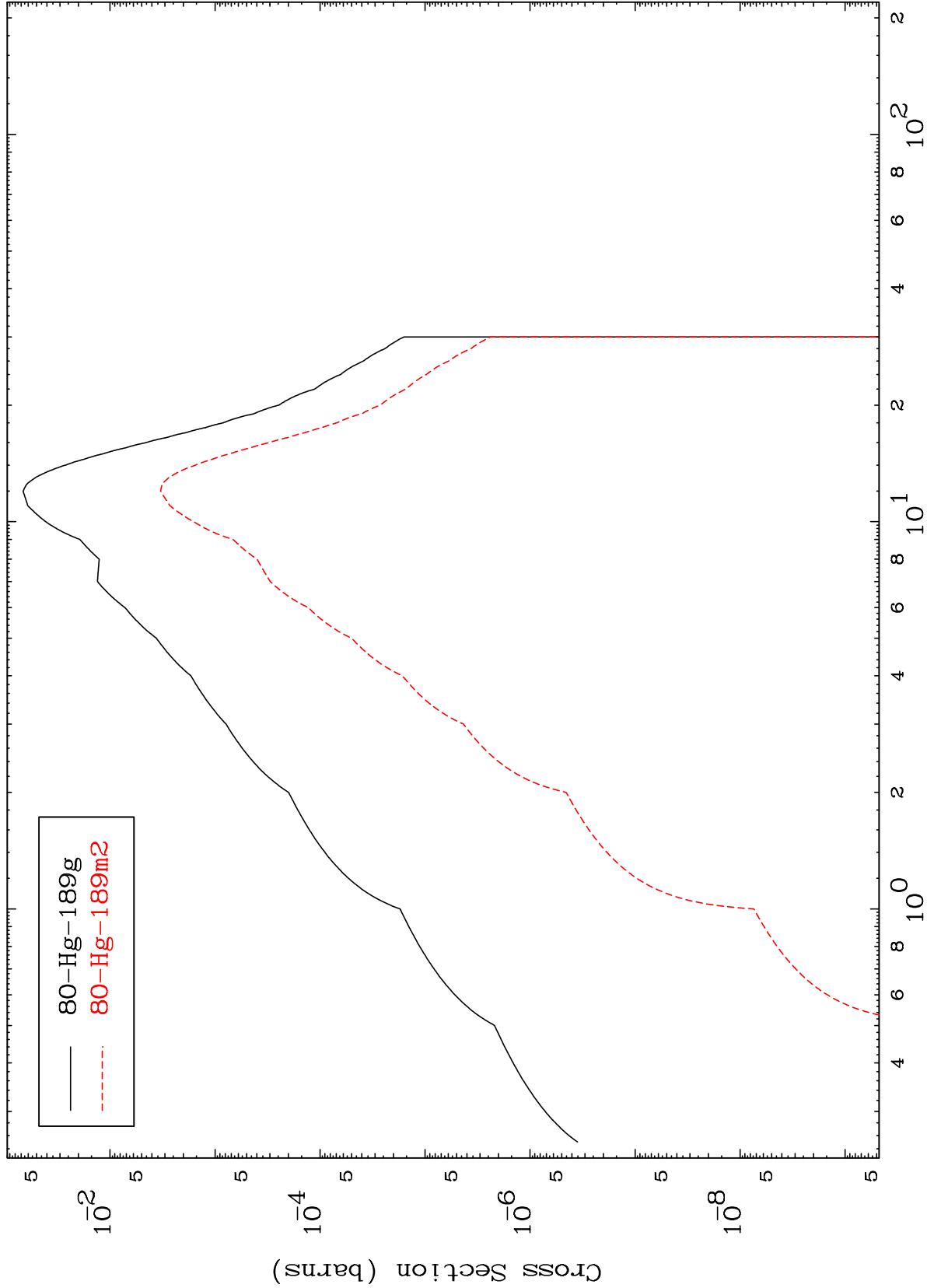
Incident Energy (MeV)

80-Hg-189

MAT 8004

80-Hg-189

Radionuclide Production Cross Section
(γ, γ)



16

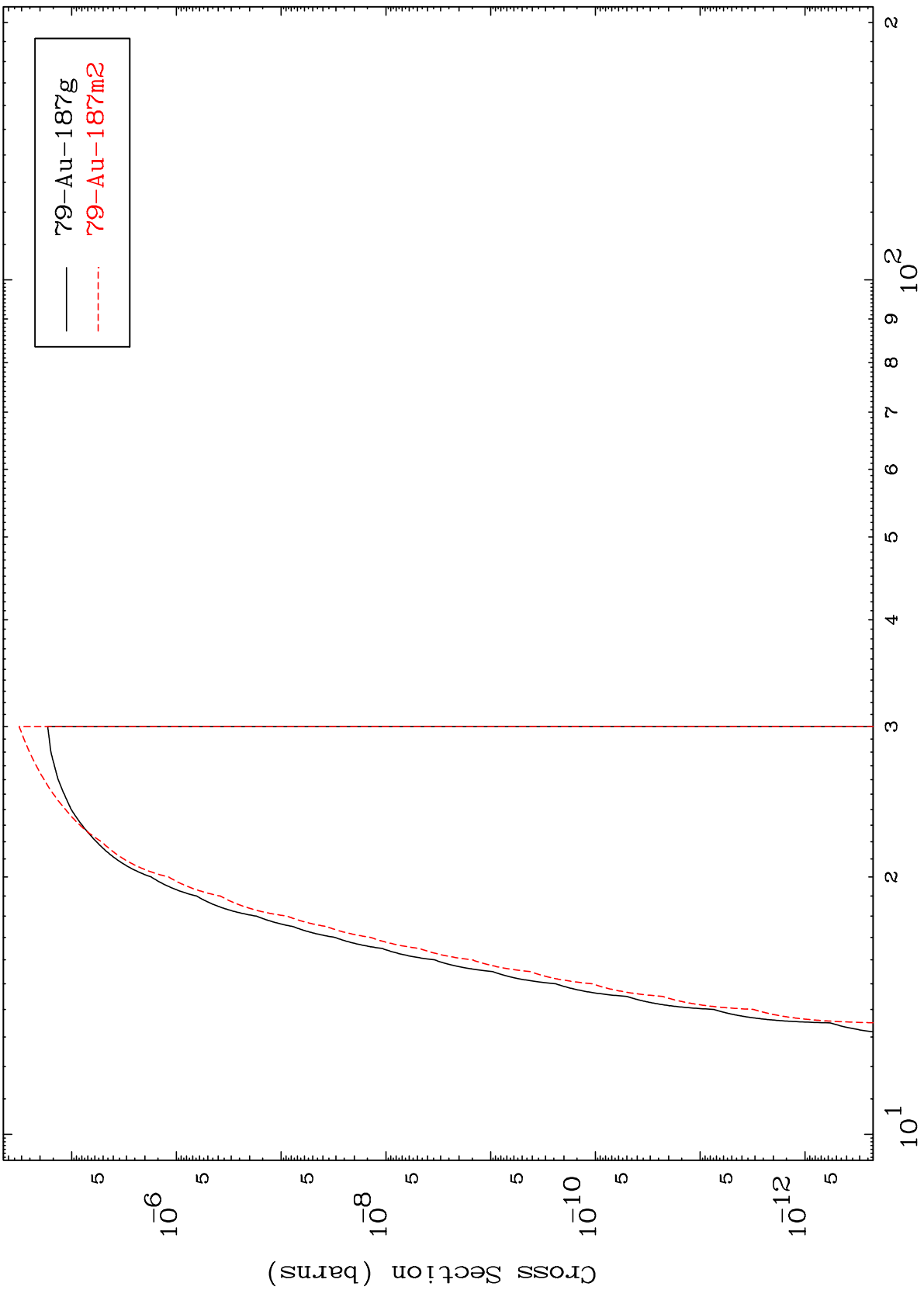
Incident Energy (MeV)

80-Hg-189

MAT 8004

80-Hg-189

(γ, d)
Radionuclide Production Cross Section



80-Hg-189

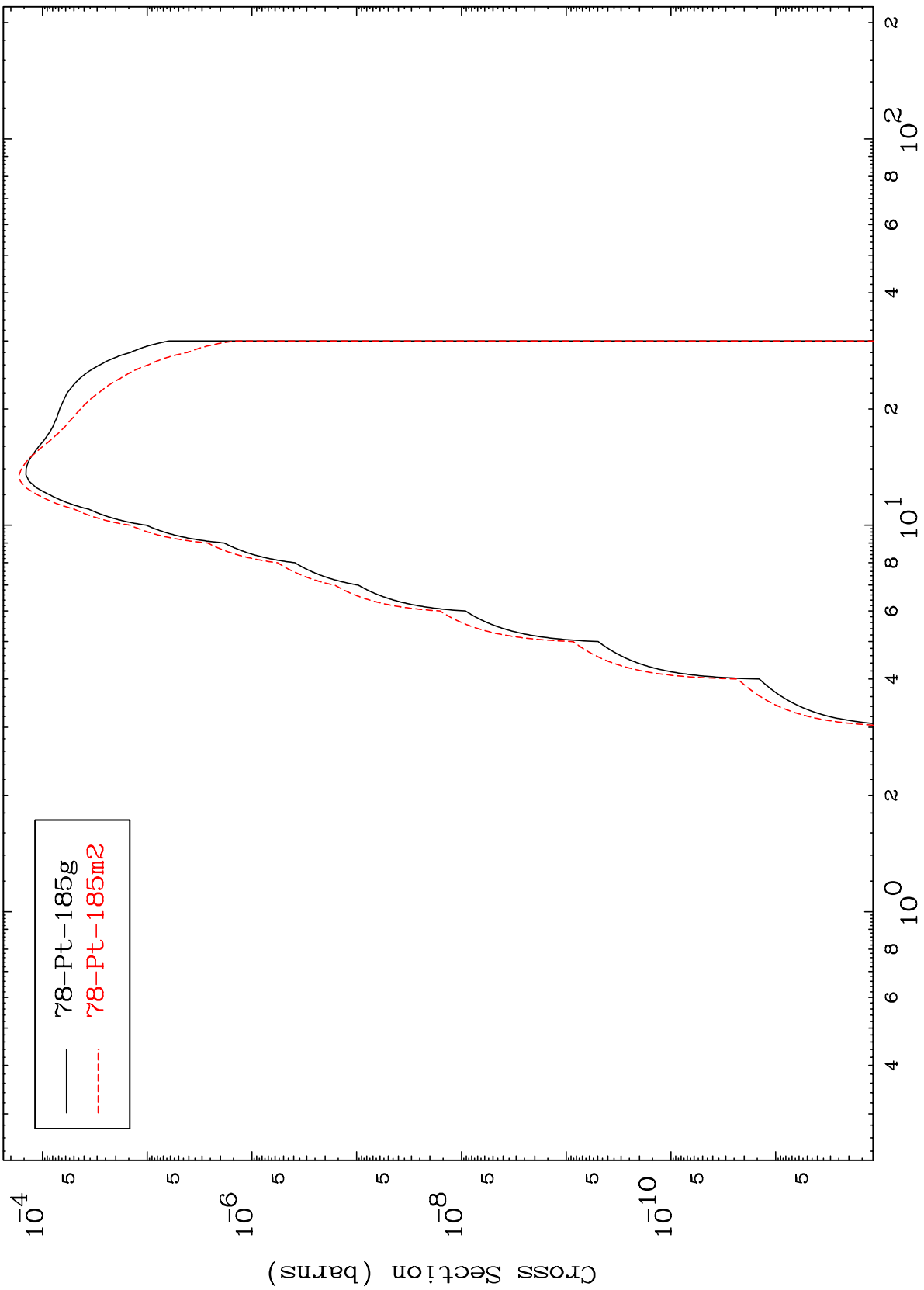
Incident Energy (MeV)

17

MAT 8004

80-Hg-189

Radionuclide Production Cross Section
(γ, α)



18

80-Hg-189

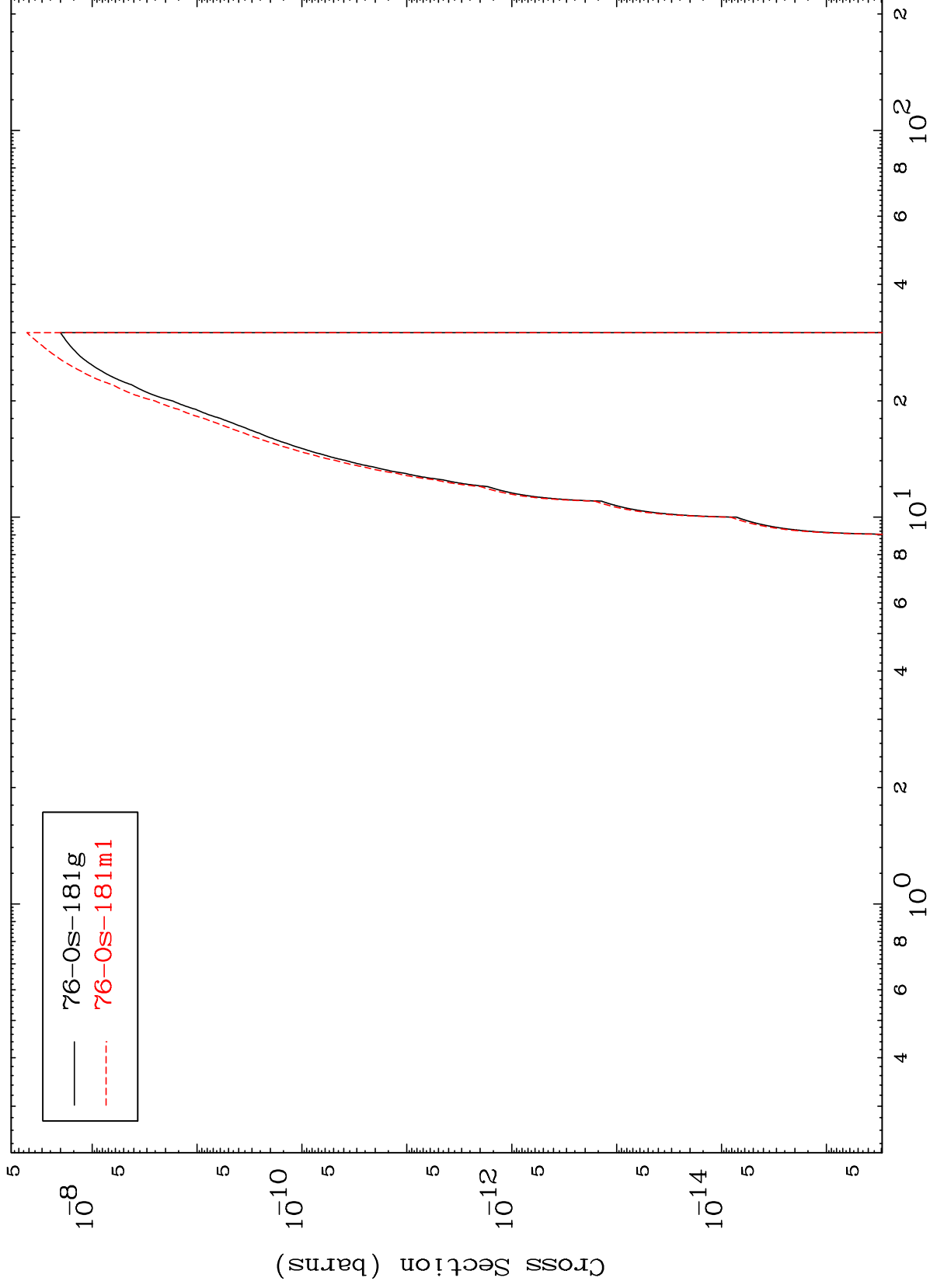
Incident Energy (MeV)

MAT 8004

($\gamma, 2\alpha$)

80-Hg-189

Radionuclide Production Cross Section



19

Incident Energy (MeV)

80-Hg-189