

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

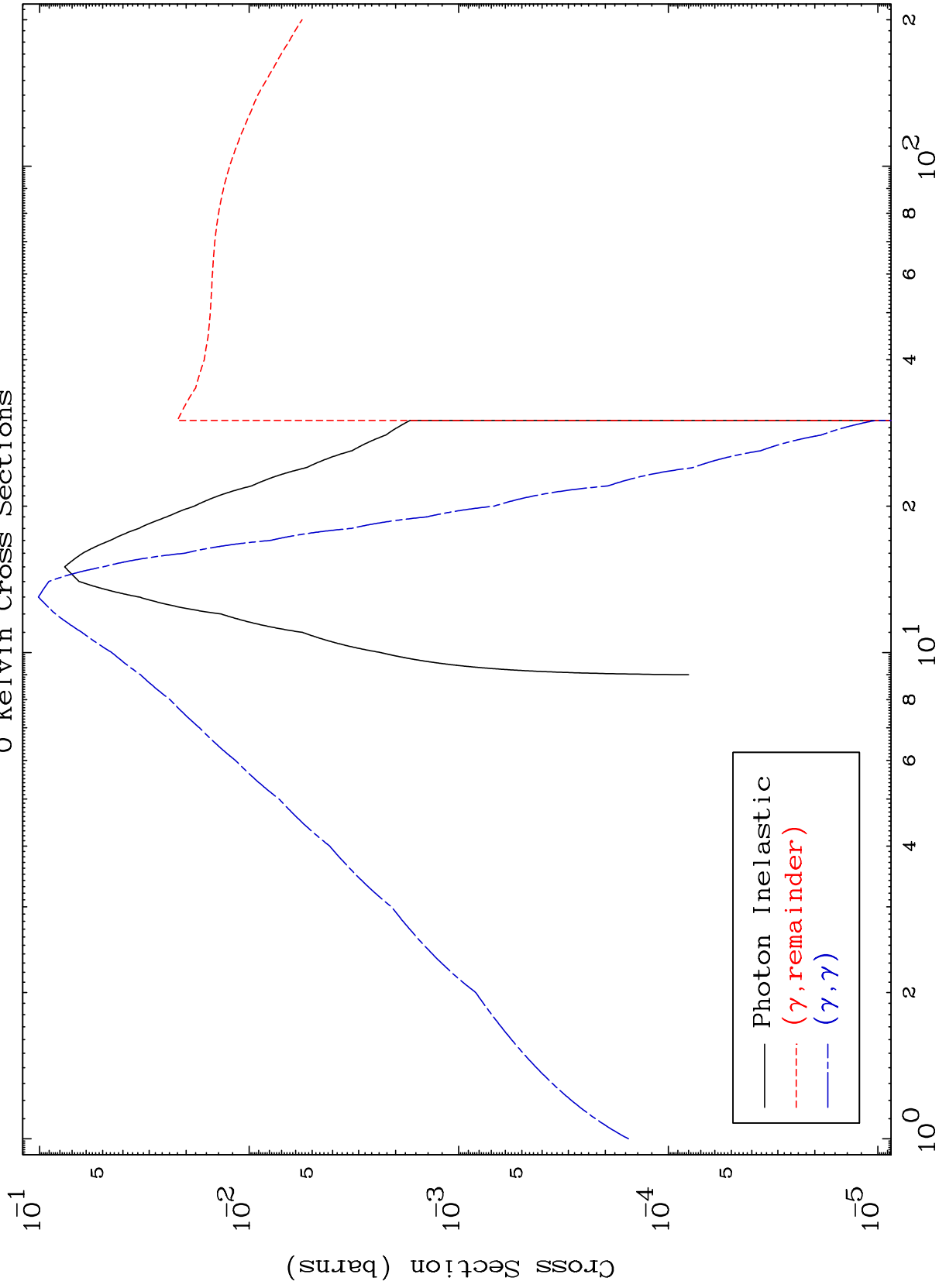
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7868

Photon Major
0 Kelvin Cross Sections

79-Au-178



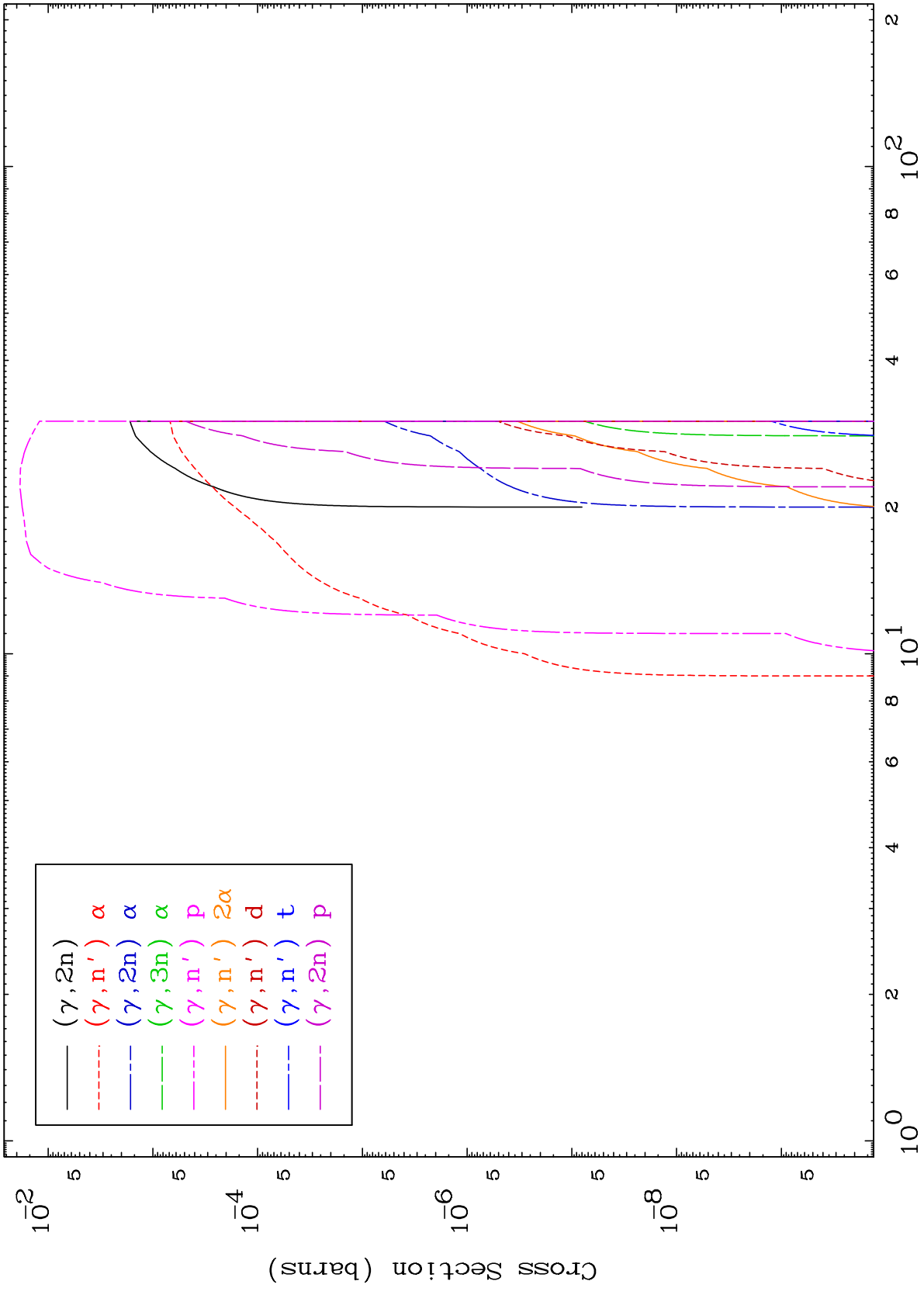
Incident Energy (MeV)

79-Au-178

MAT 7868

Photon Neutron Production
0 Kelvin Cross Sections

⁷⁹Au-178

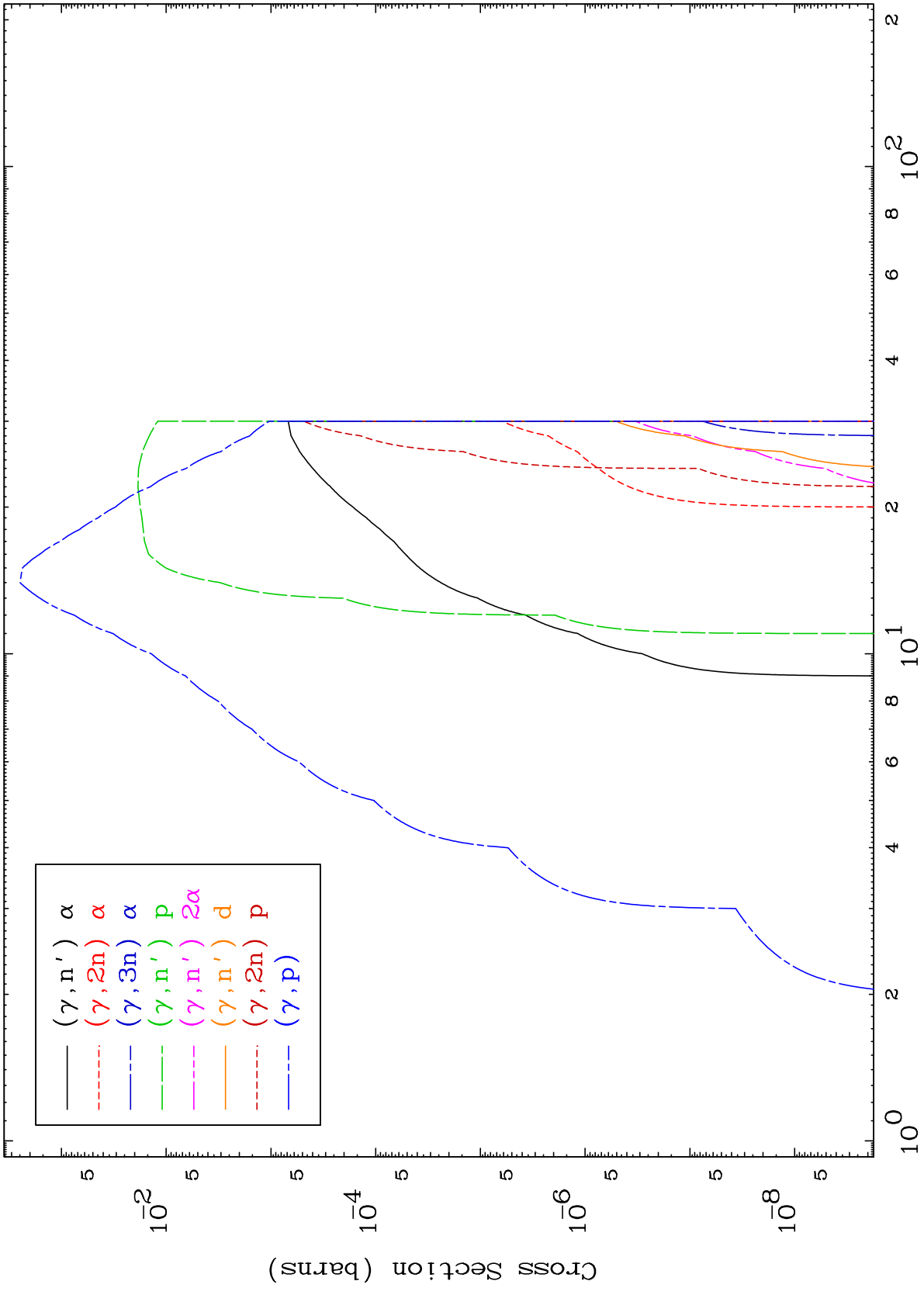


⁷⁹Au-178

MAT 7868

Photon Charged Particle
0 Kelvin Cross Sections

79-Au-178



79-Au-178

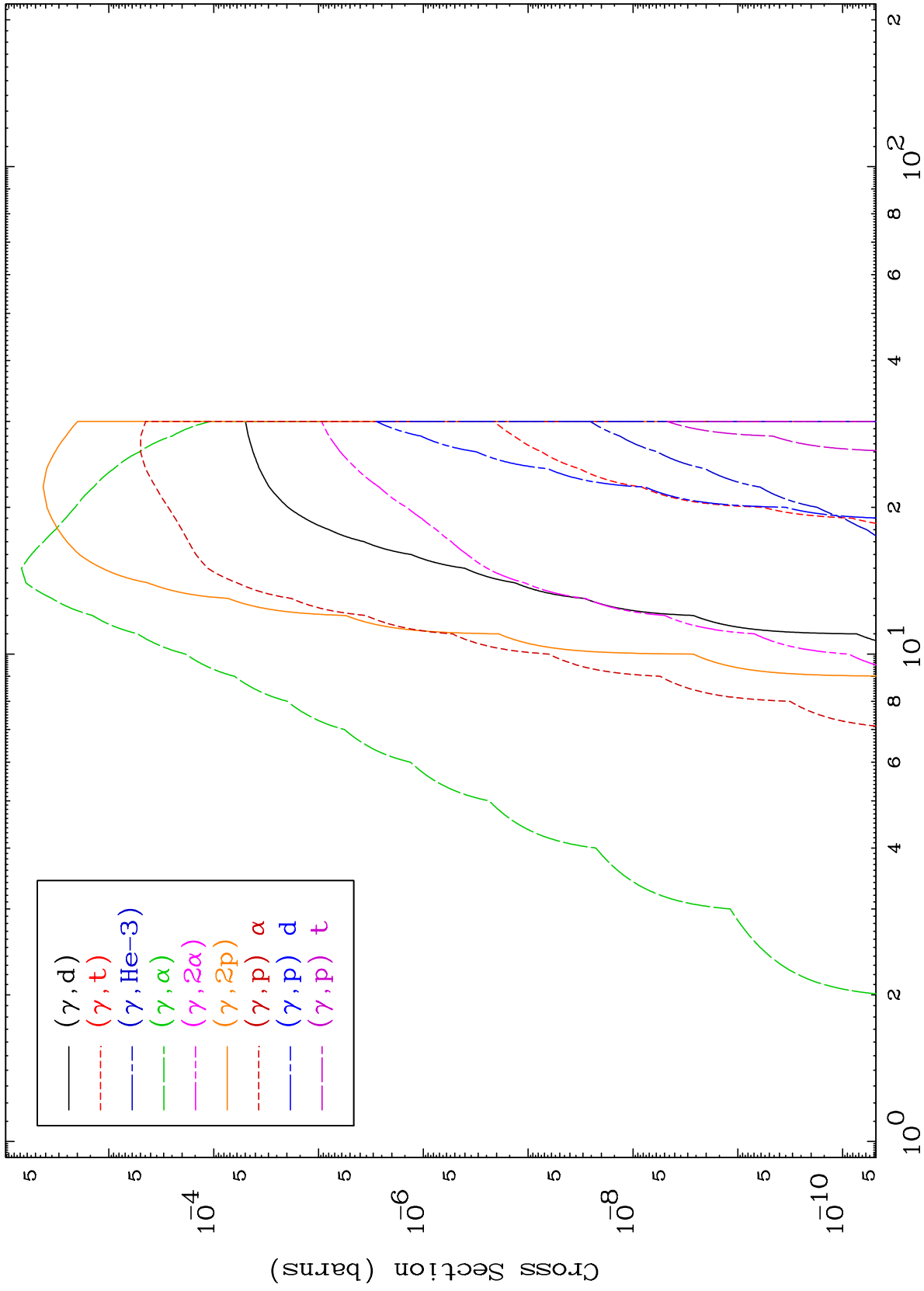
Incident Energy (MeV)

3

MAT 7868

Photon Charged Particle
0 Kelvin Cross Sections

79-Au-178



79-Au-178

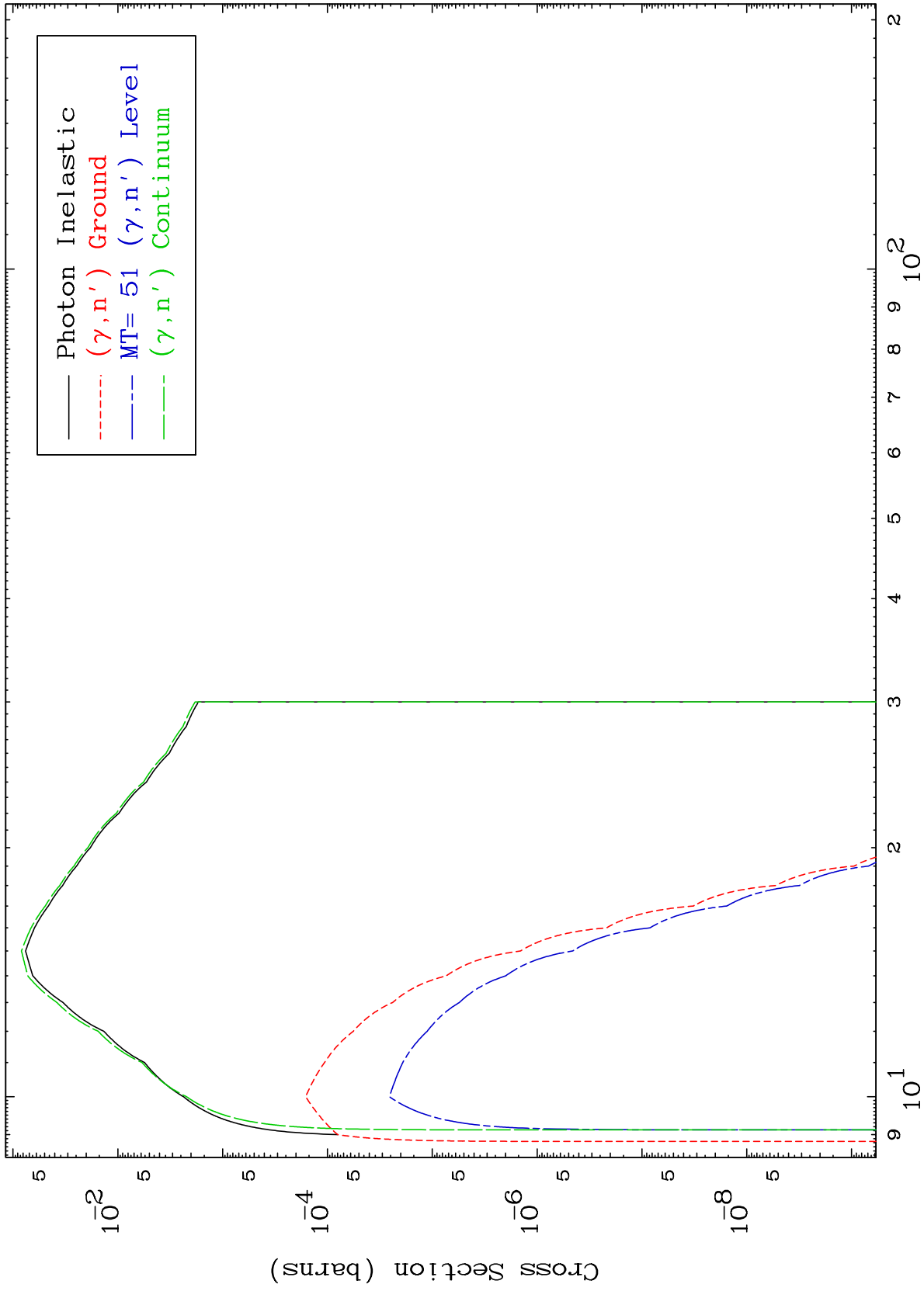
Incident Energy (MeV)

4

MAT 7868

(γ, n') Level
0 Kelvin Cross Sections

79-Au-178



79-Au-178

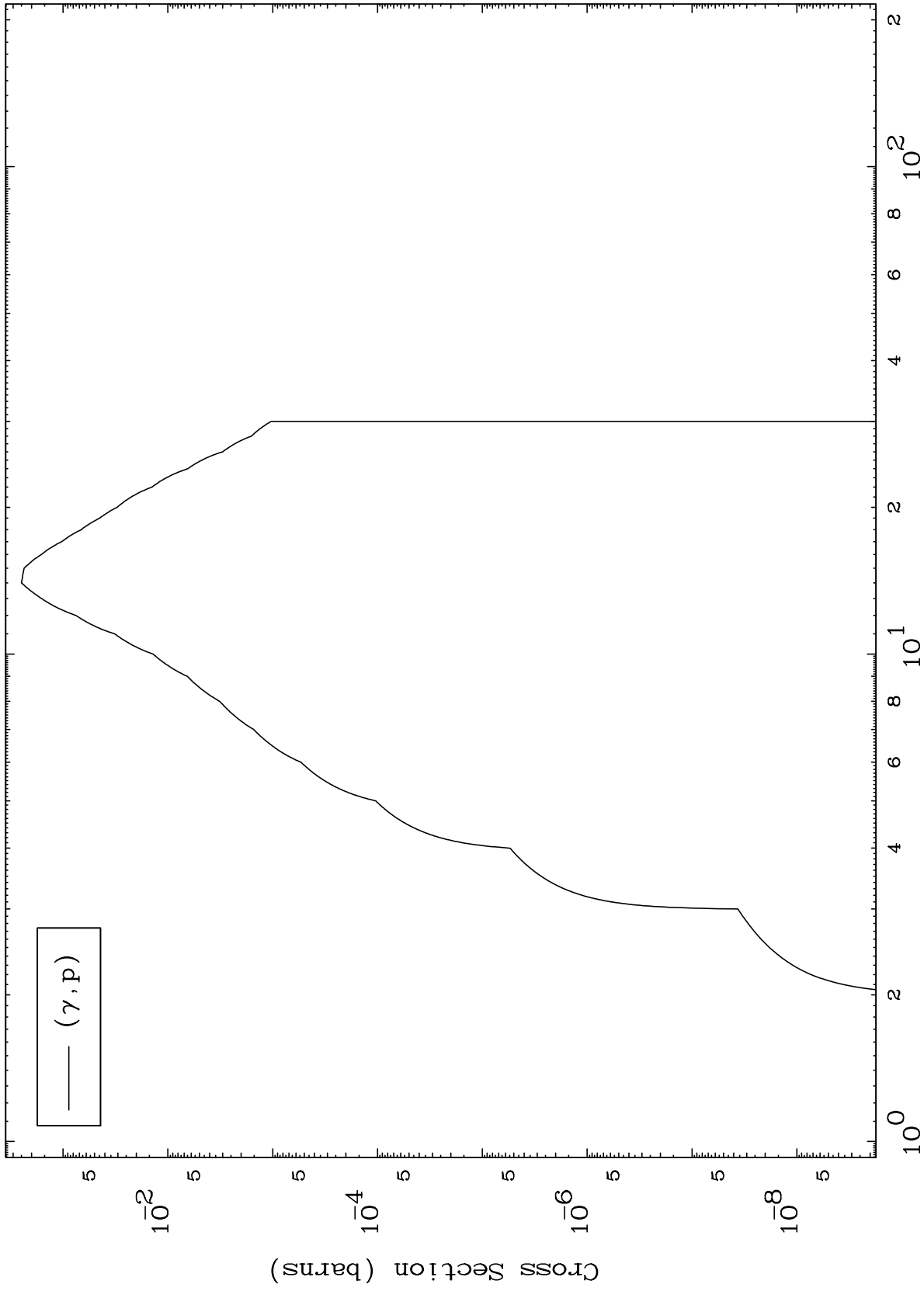
Incident Energy (MeV)

5

MAT 7868

(γ, p) Levels
0 Kelvin Cross Sections

⁷⁹Au-178



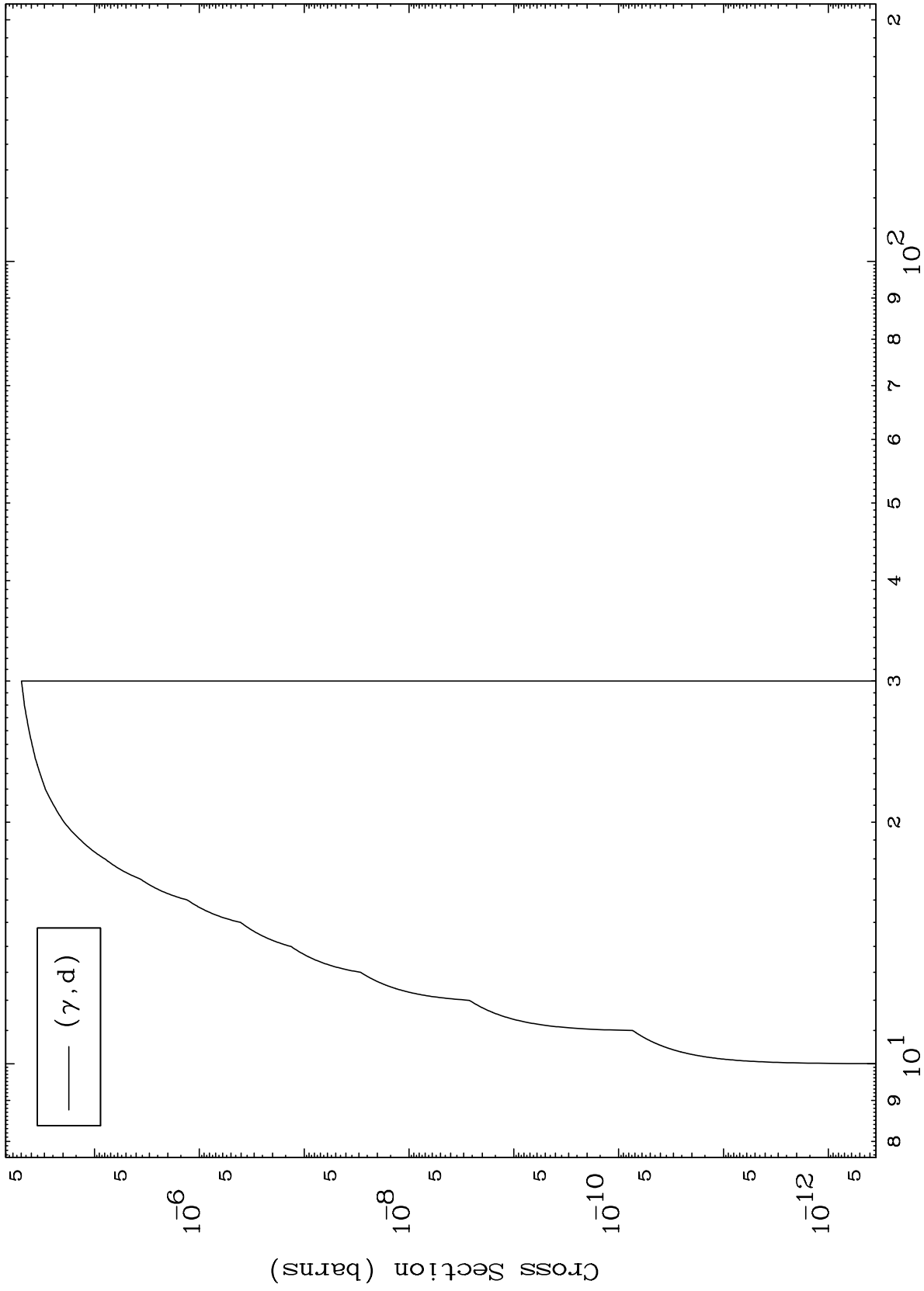
Incident Energy (MeV)

⁷⁹Au-178

MAT 7868

(γ, d) Levels
0 Kelvin Cross Sections

⁷⁹Au-178



7

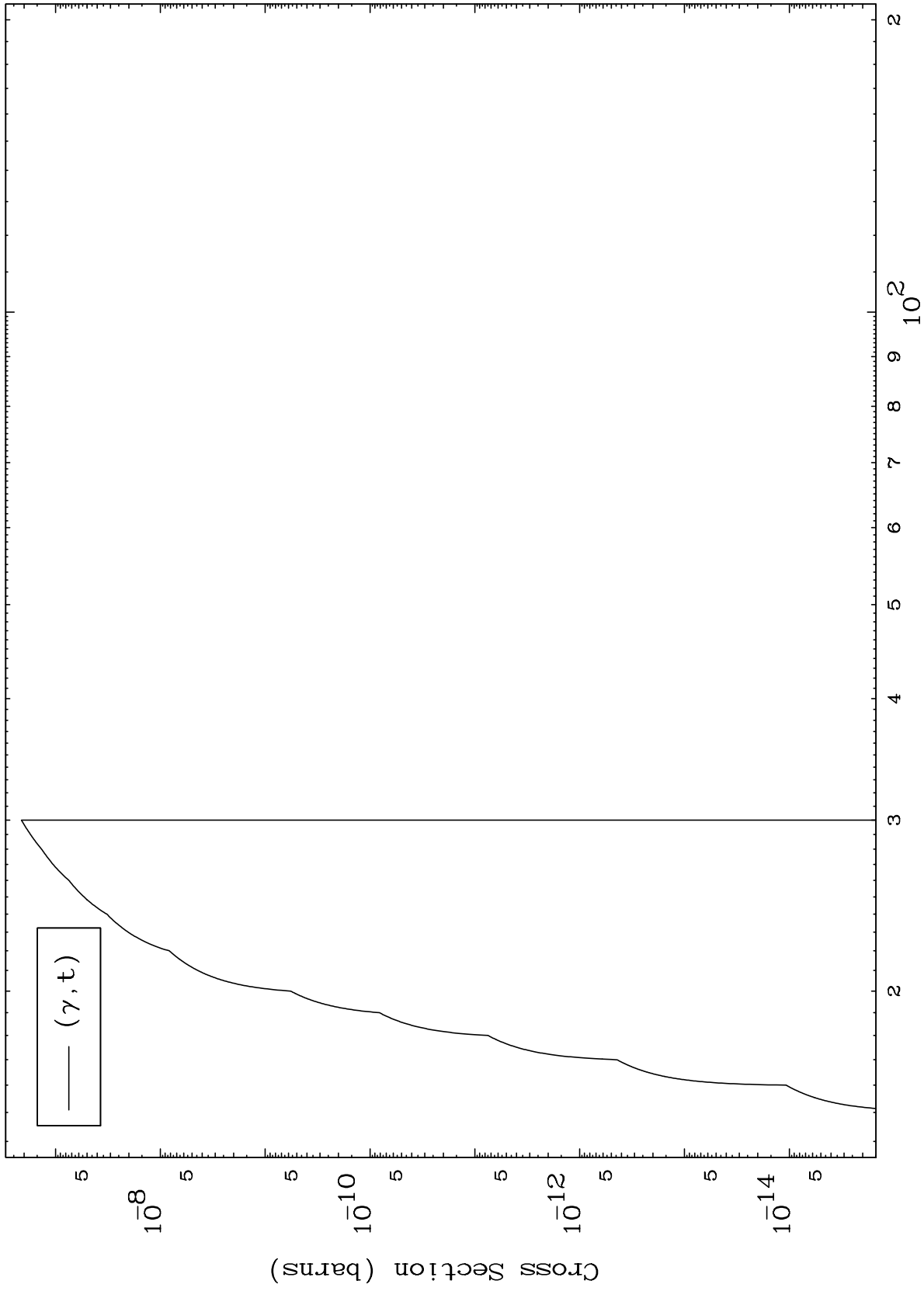
Incident Energy (MeV)

⁷⁹Au-178

MAT 7868

(γ, t) Levels
0 Kelvin Cross Sections

⁷⁹Au-178



8

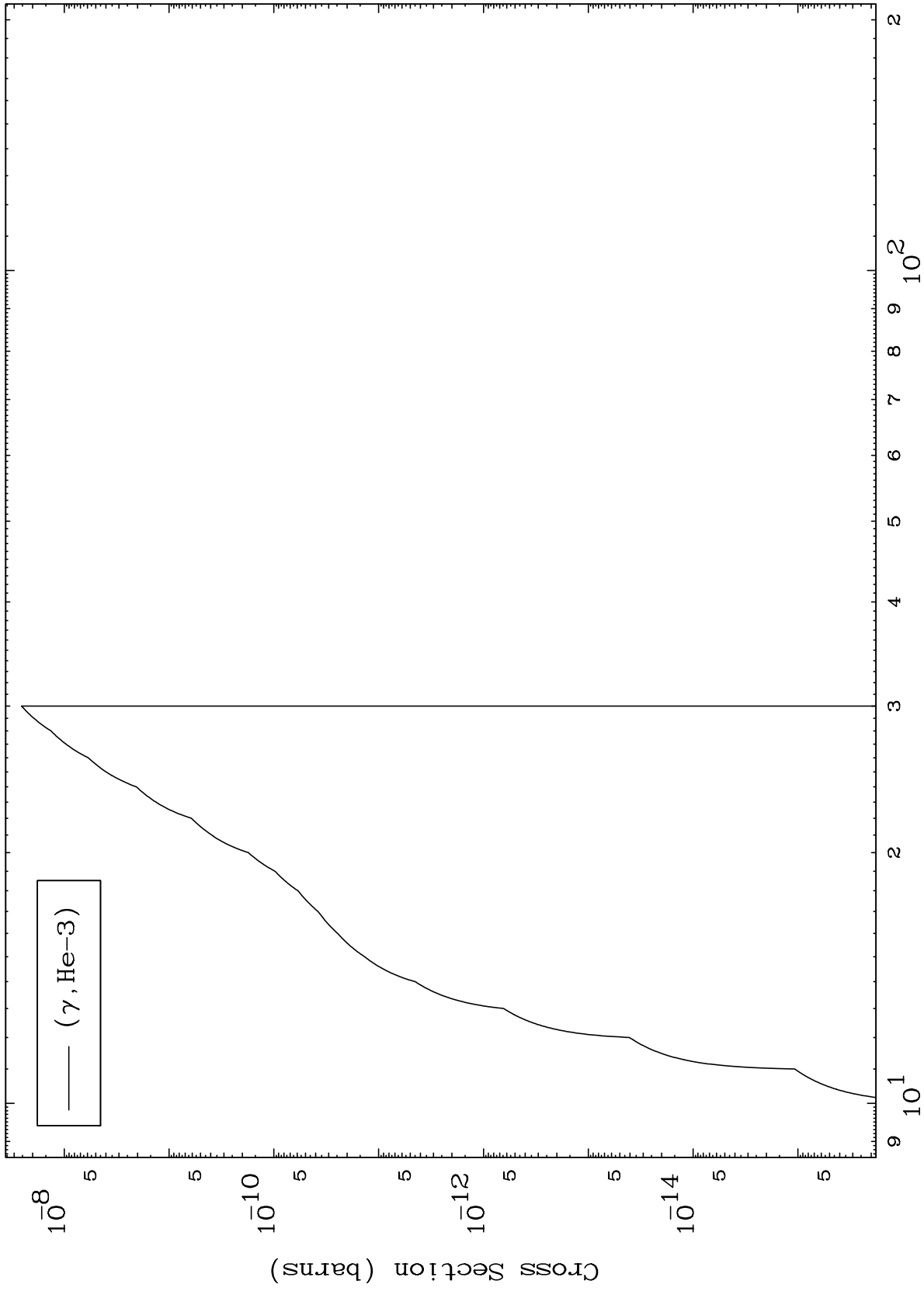
Incident Energy (MeV)

⁷⁹Au-178

MAT 7868

(γ ,He3) Levels
0 Kelvin Cross Sections

79-Au-178



9

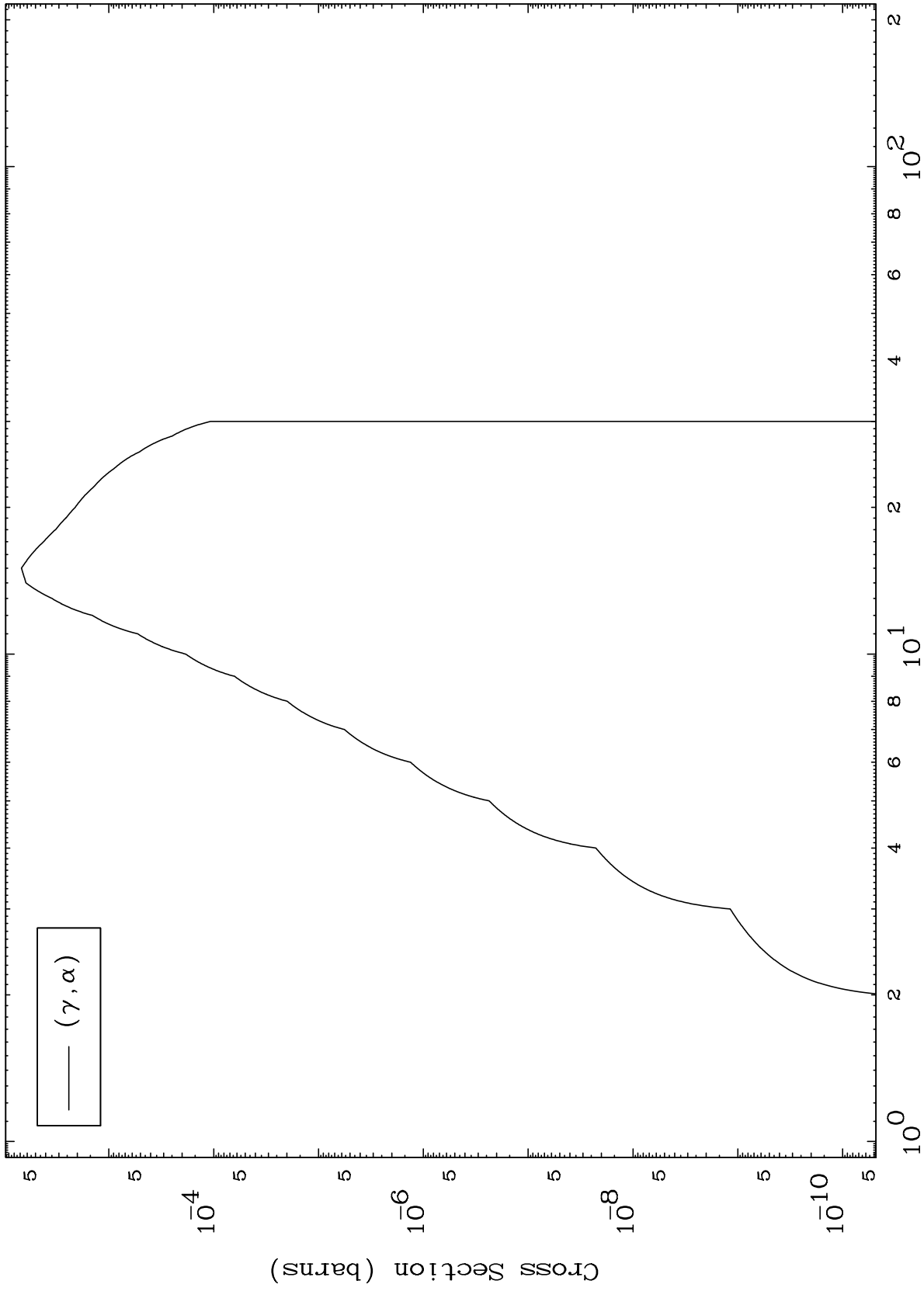
Incident Energy (MeV)

79-Au-178

MAT 7868

(γ, α) Levels
0 Kelvin Cross Sections

79-Au-178



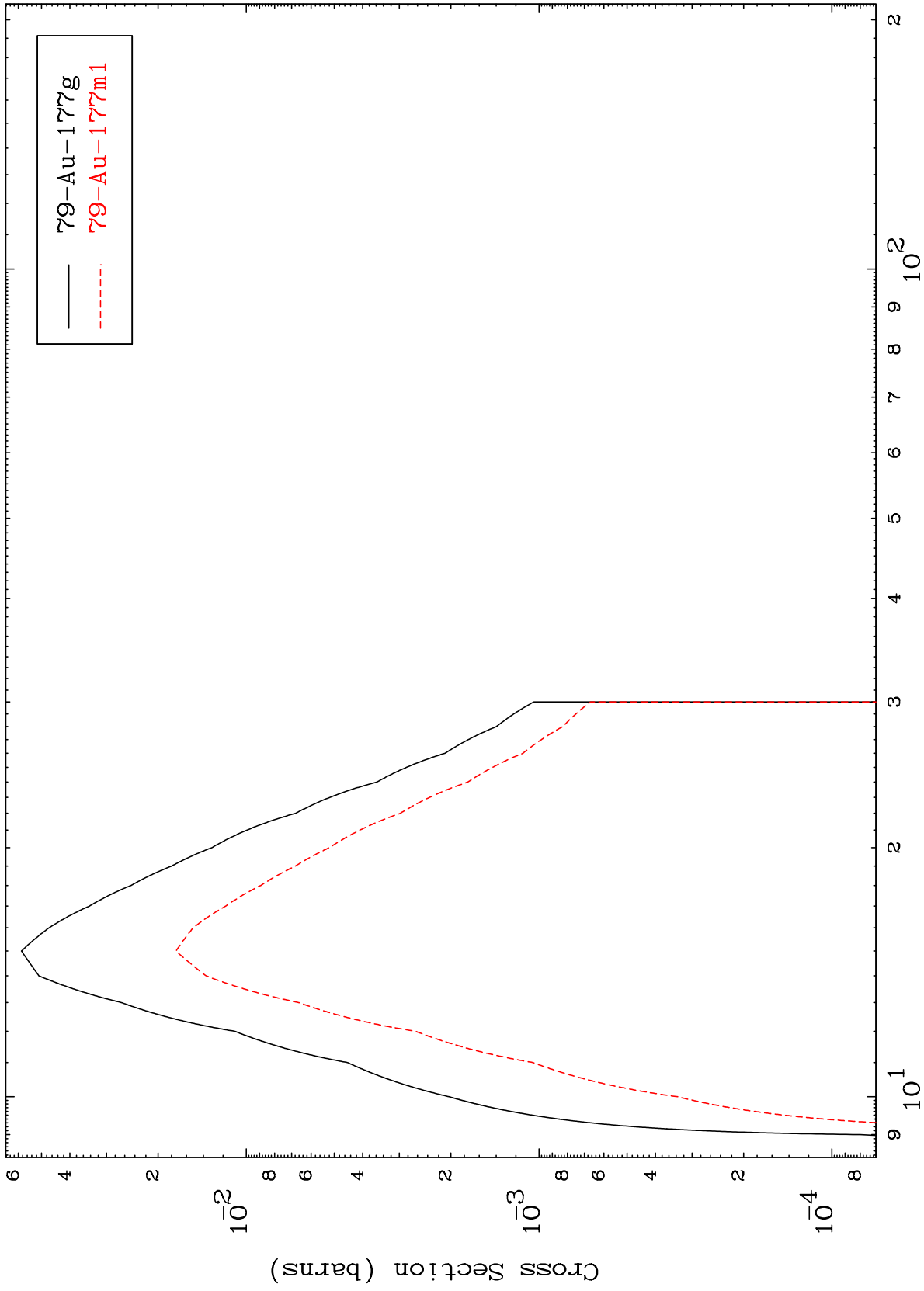
Incident Energy (MeV)

79-Au-178

MAT 7868

Photon Inelastic
Radionuclide Production Cross Section

⁷⁹Au-178



79-Au-177g
79-Au-177m1

11

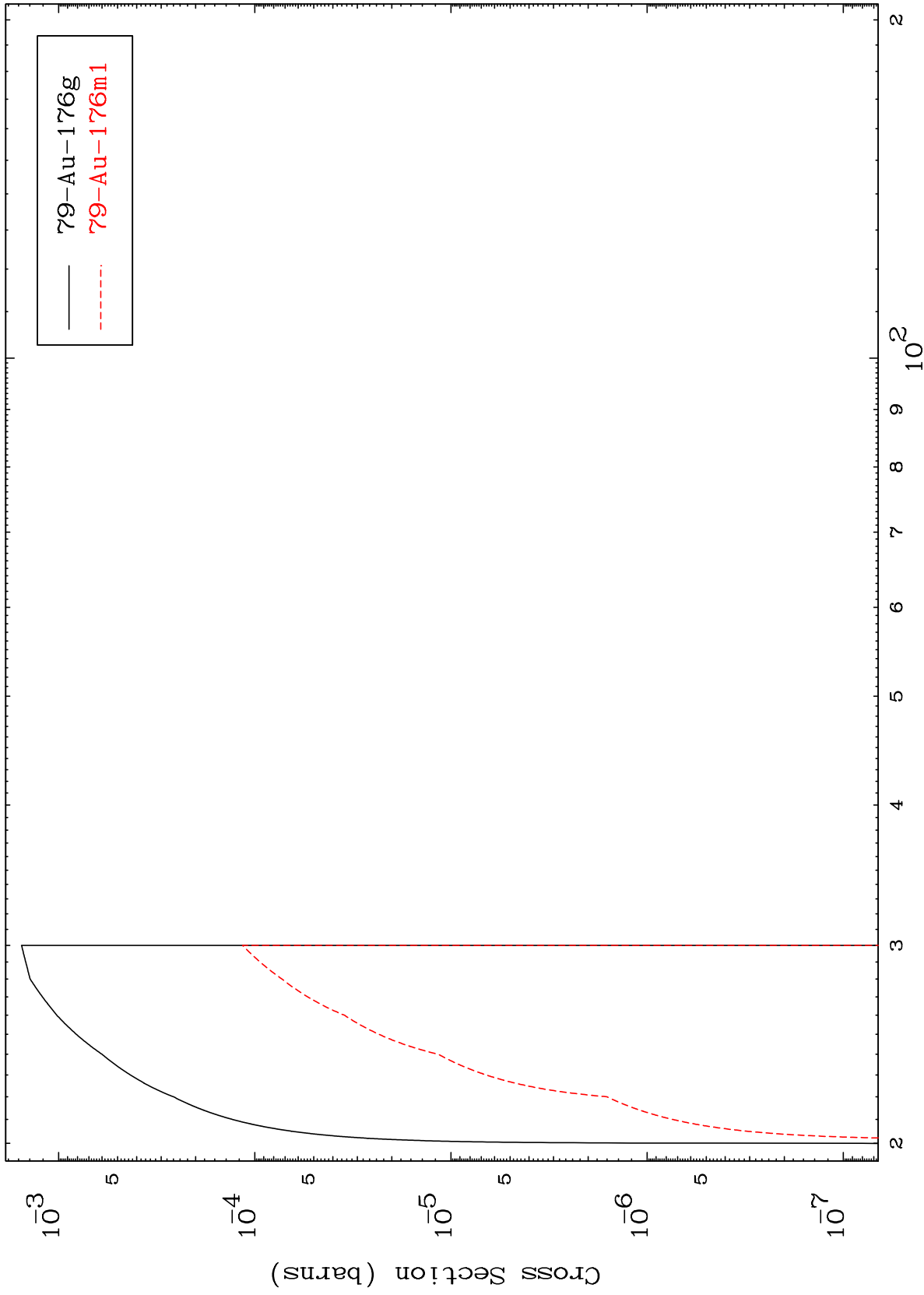
Incident Energy (MeV)

⁷⁹Au-178

MAT 7868

⁷⁹Au-178

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



12

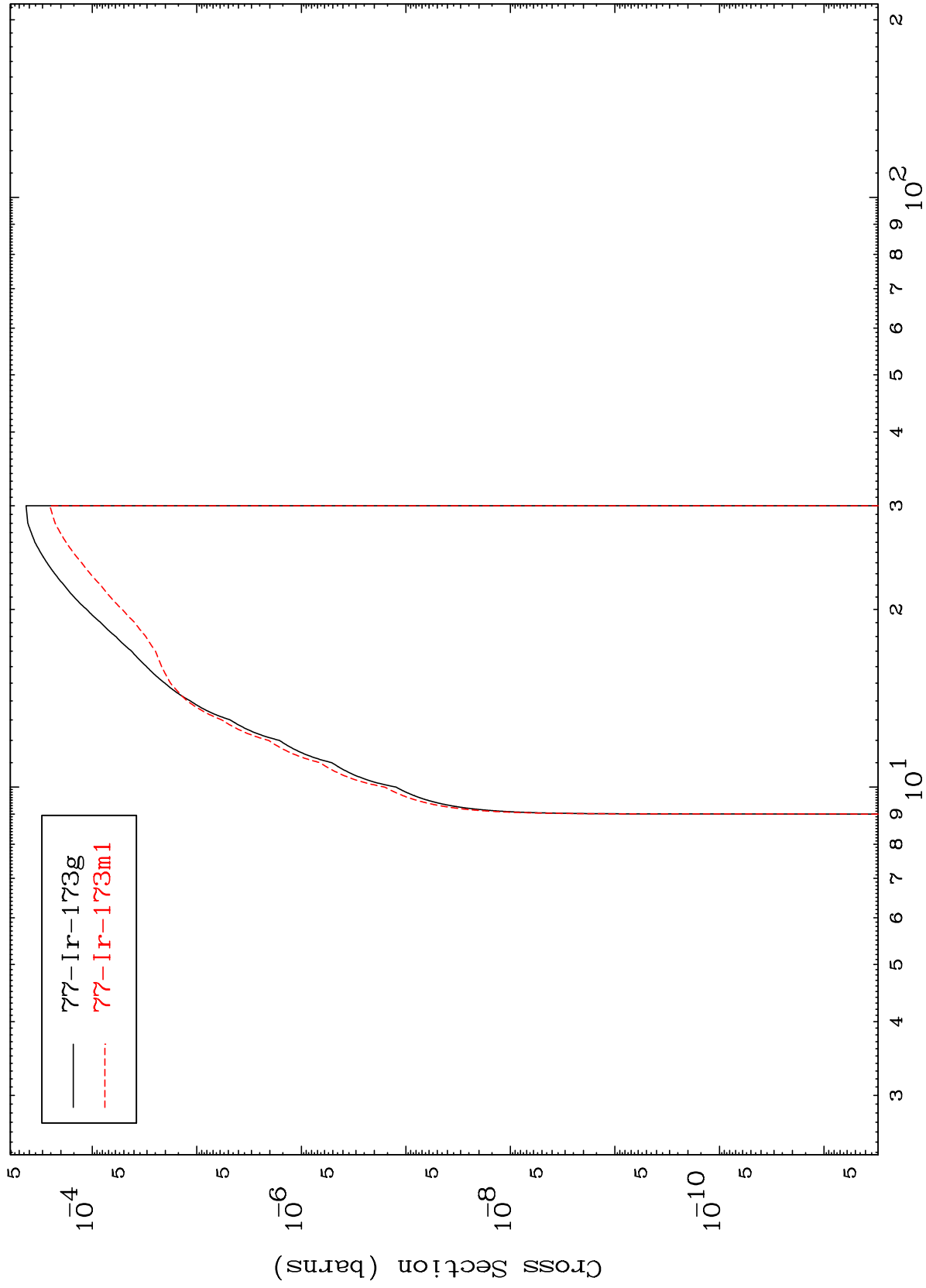
⁷⁹Au-178

MAT 7868

(γ, n') α

⁷⁹Au-178

Radionuclide Production Cross Section



13

Incident Energy (MeV)

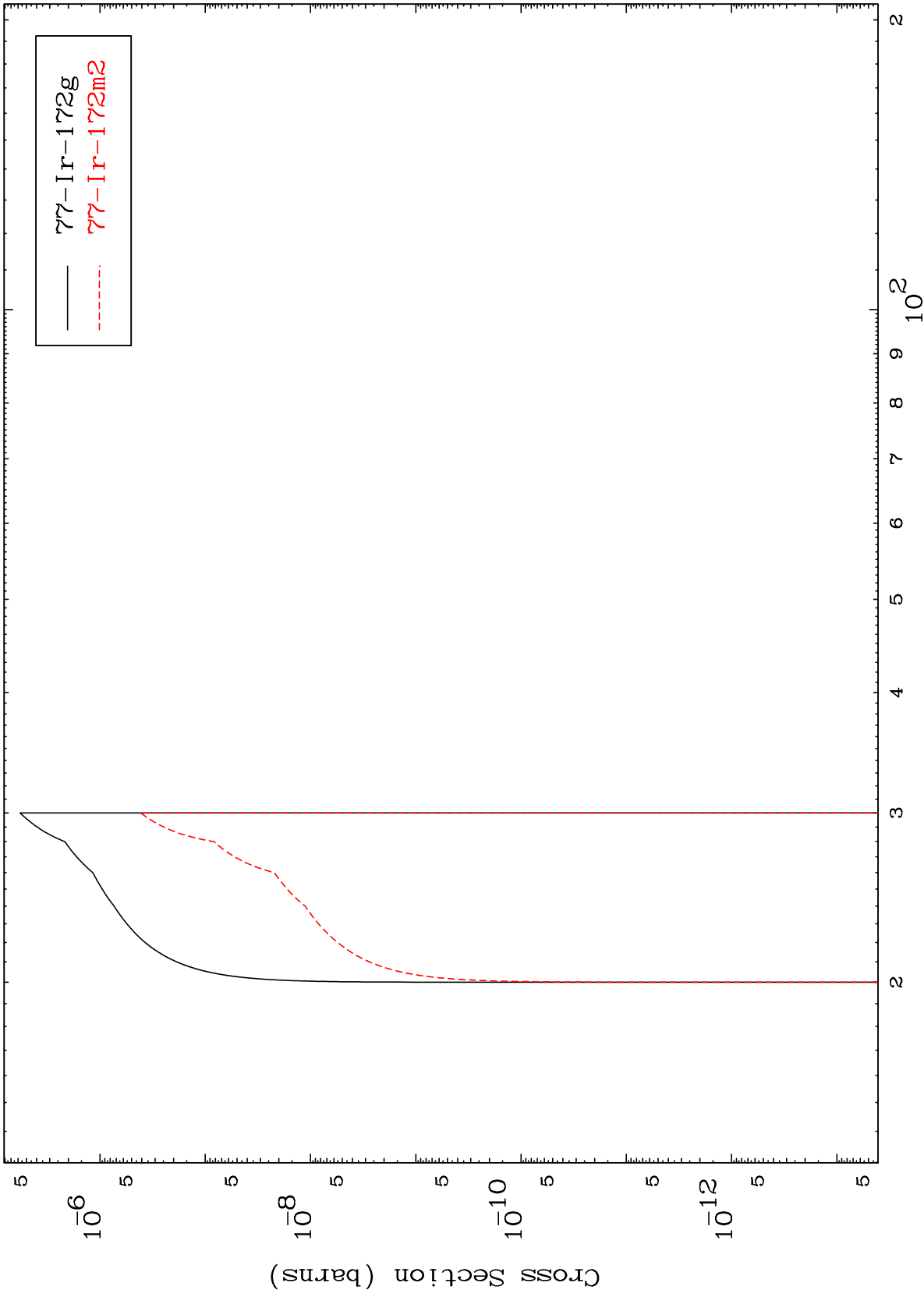
⁷⁹Au-178

MAT 7868

$(\gamma, 2n) \alpha$

⁷⁹Au-178

Radionuclide Production Cross Section



14

Incident Energy (MeV)

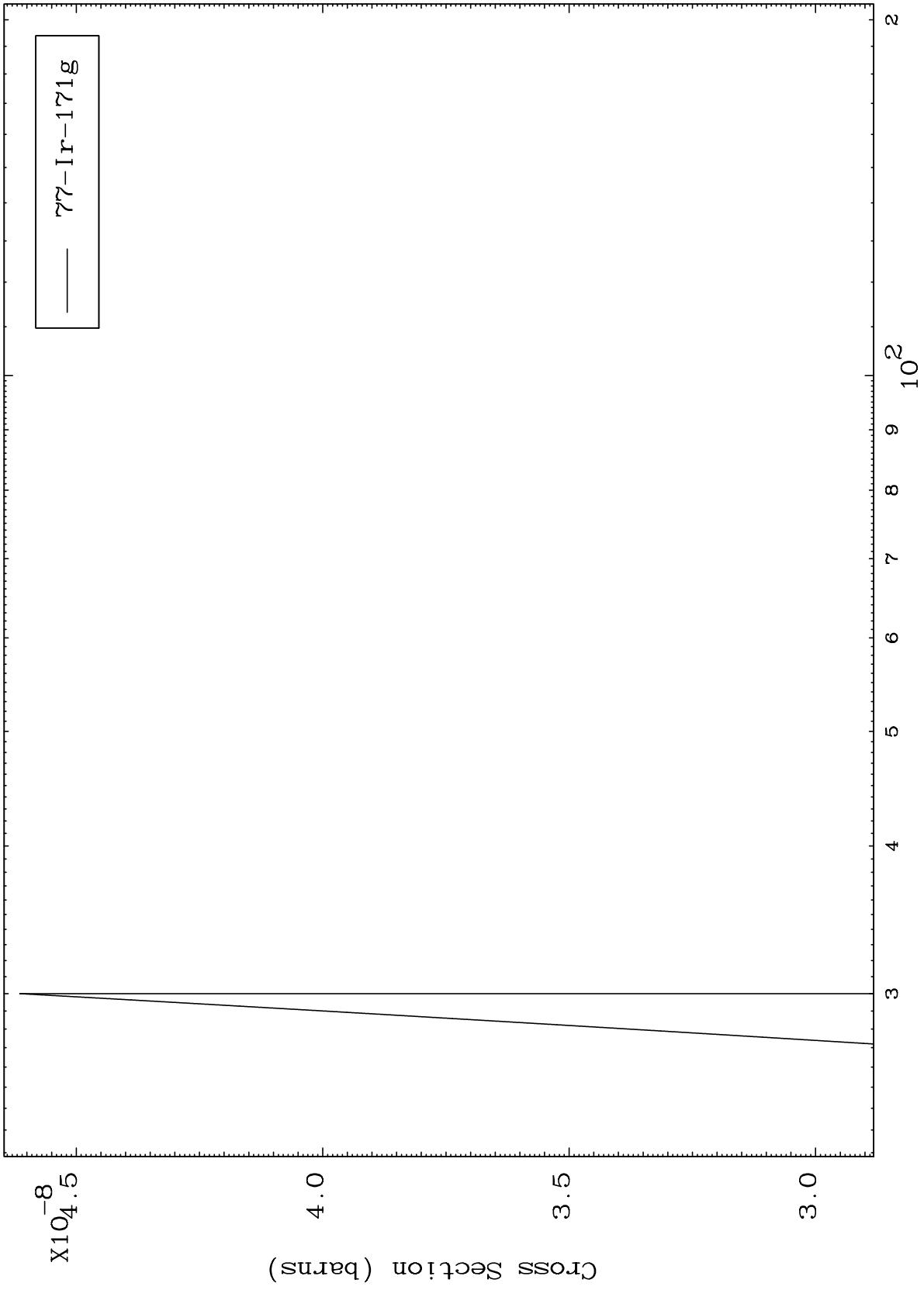
⁷⁹Au-178

MAT 7868

$(\gamma, 3n) \alpha$

⁷⁹Au-178

Radionuclide Production Cross Section



15

Incident Energy (MeV)

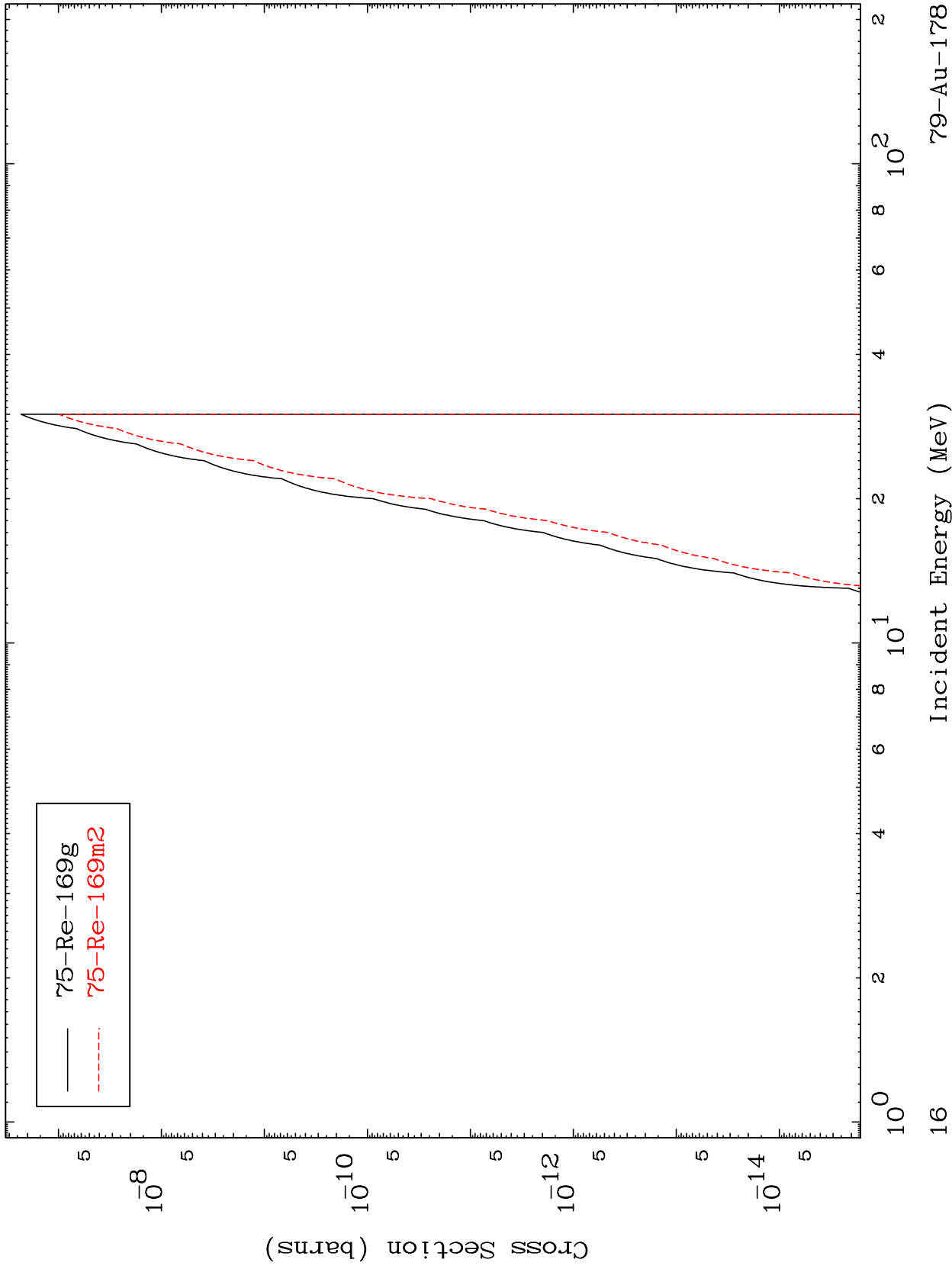
⁷⁹Au-178

MAT 7868

(γ, n') 2α

⁷⁹Au-178

Radionuclide Production Cross Section

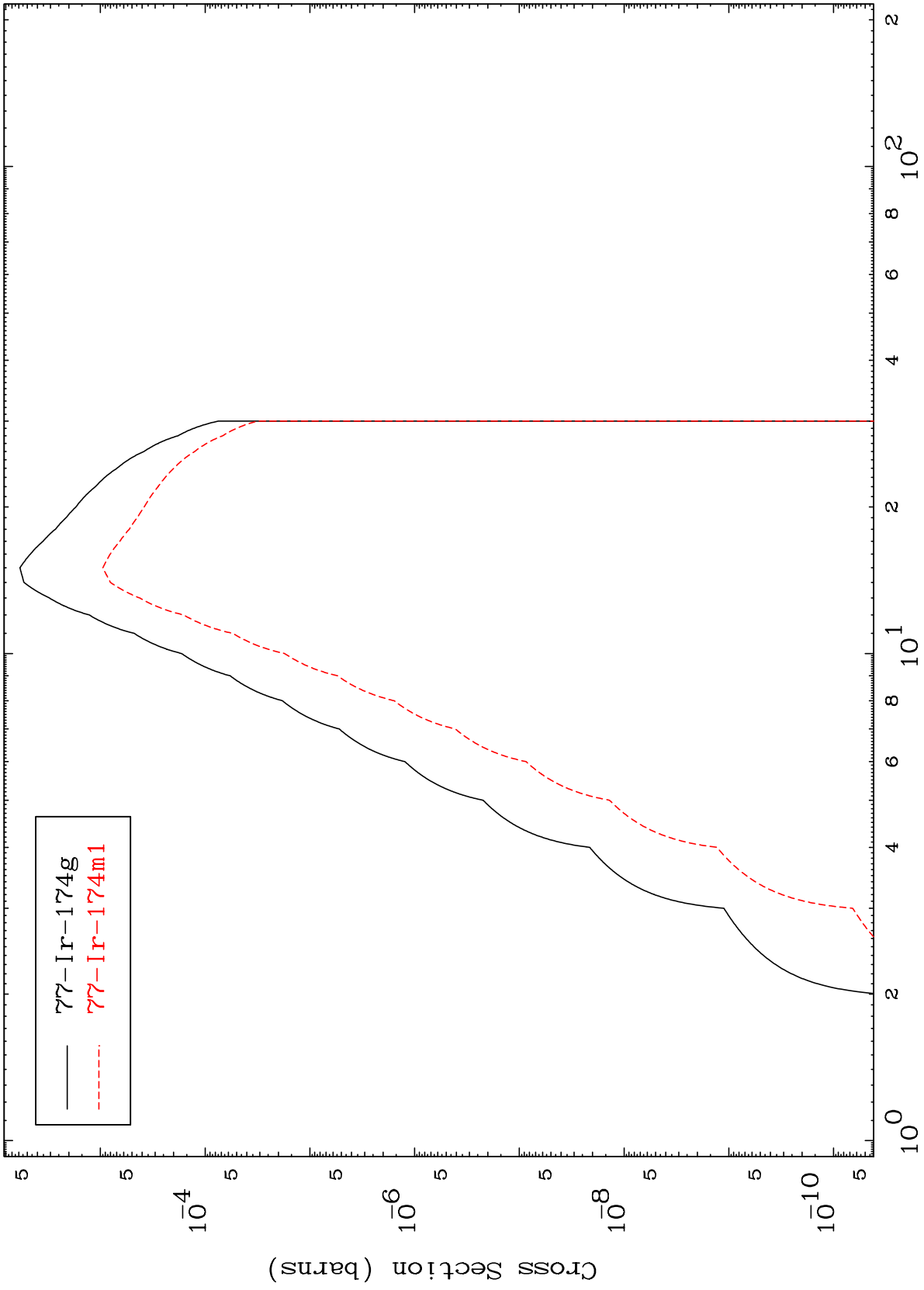


⁷⁹Au-178

MAT 7868

Radionuclide Production Cross Section
(γ, α)

⁷⁹Au-178



— ⁷⁷Ir-174g
- - - ⁷⁷Ir-174m1

17

Incident Energy (MeV)

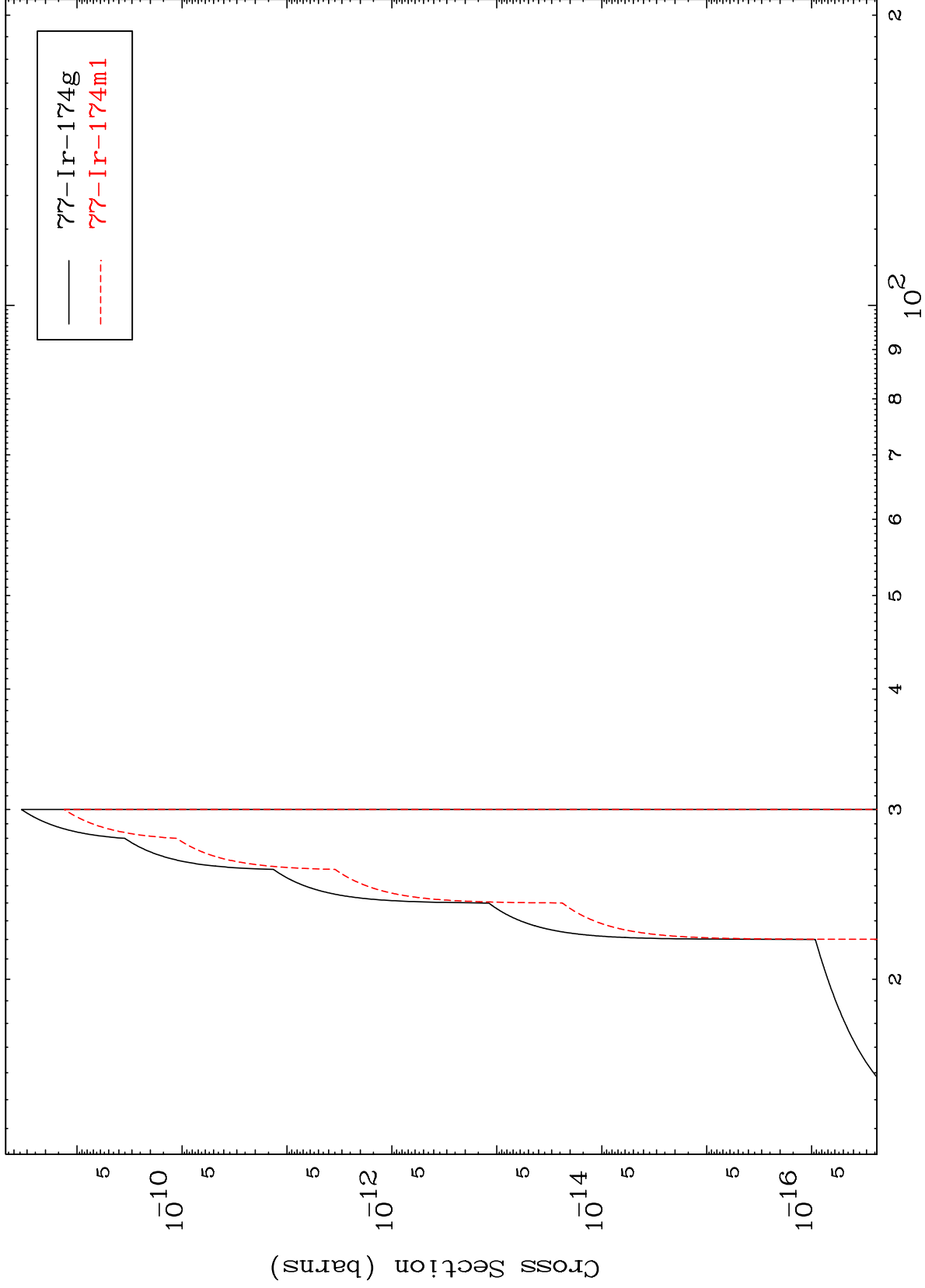
⁷⁹Au-178

MAT 7868

(γ, p) t

79-Au-178

Radionuclide Production Cross Section



18

Incident Energy (MeV)

79-Au-178