

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

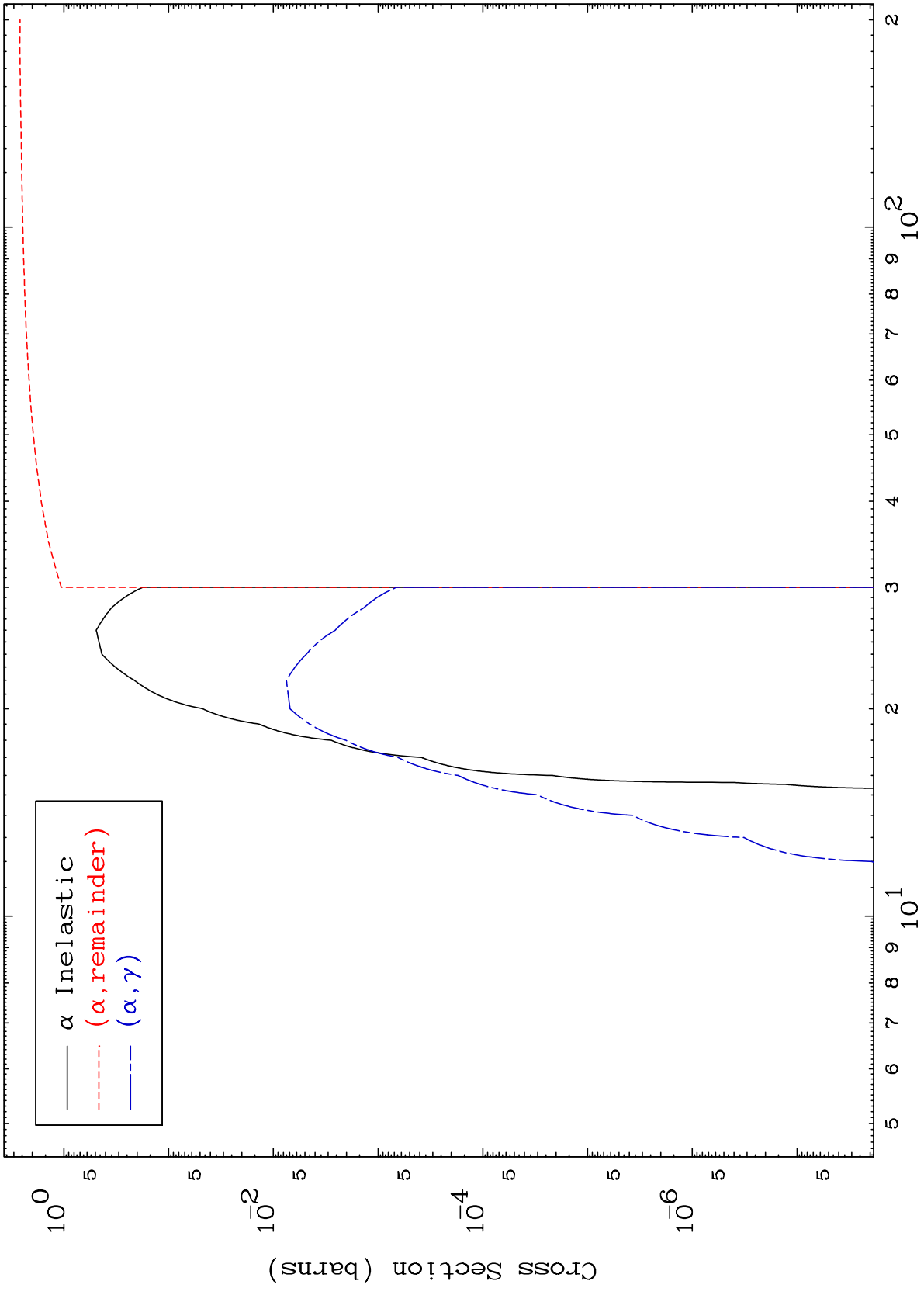
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7890

0 Kelvin α Major

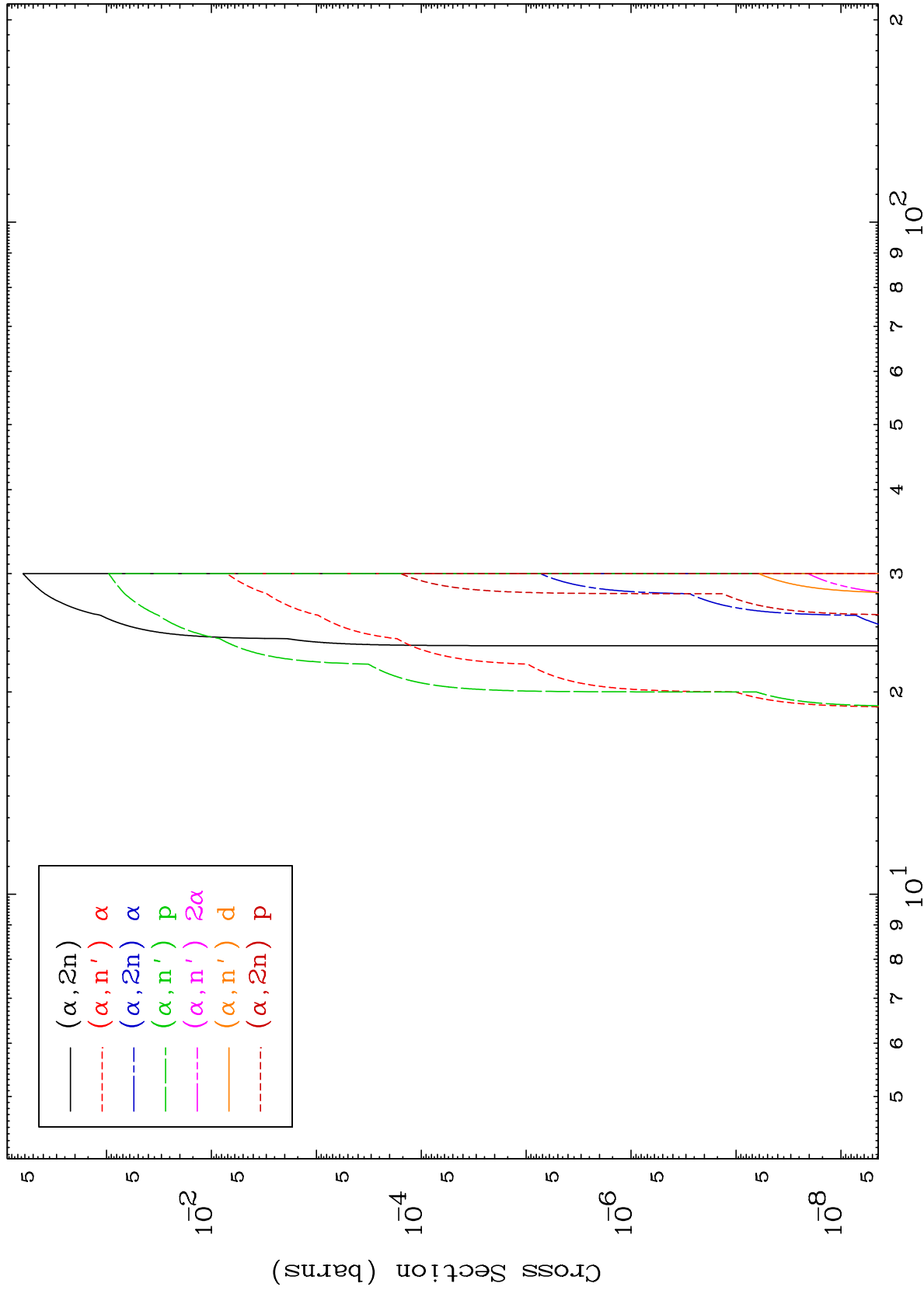
79-Au-185



MAT 7890

α Neutron Production
0 Kelvin Cross Sections

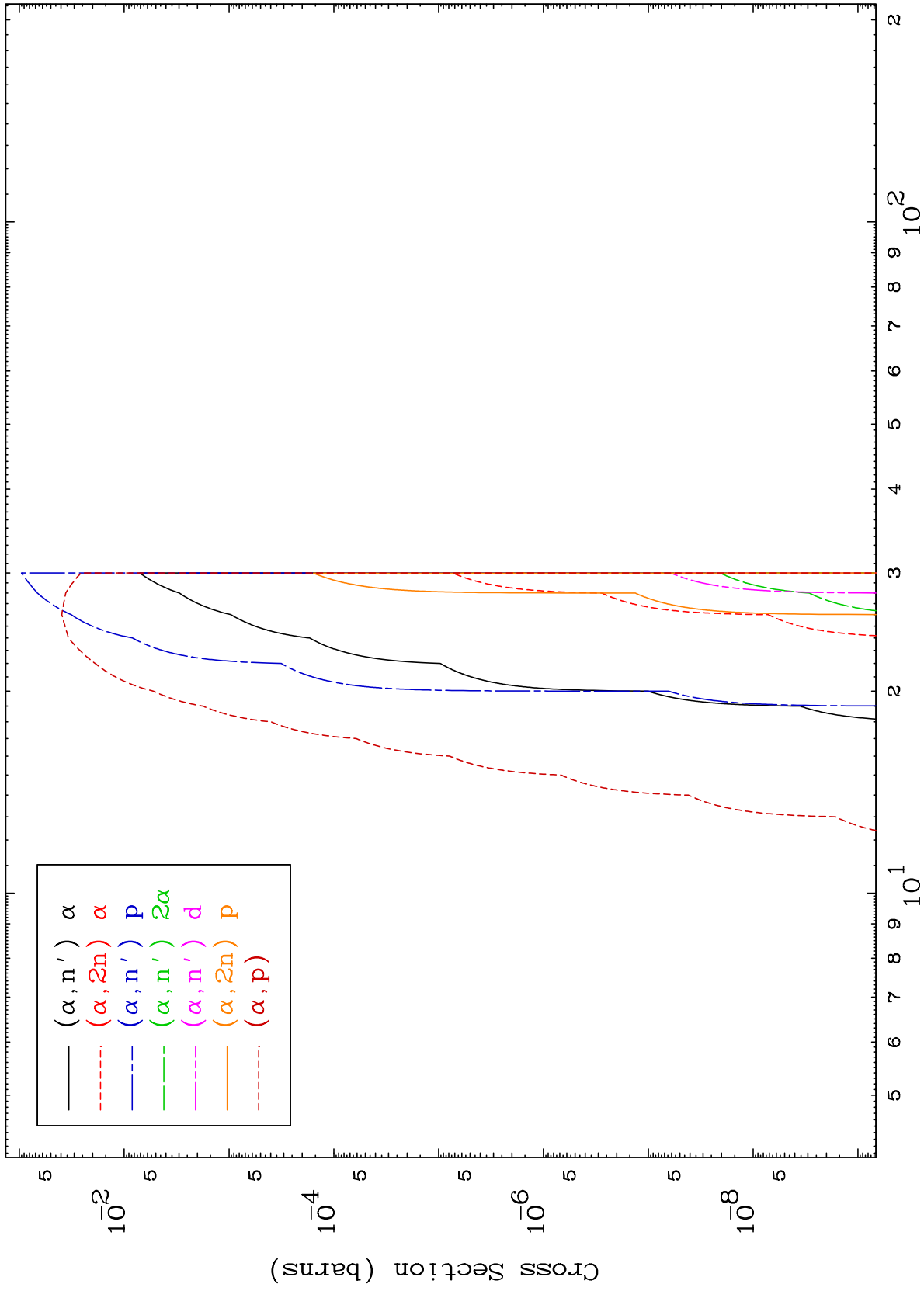
79-Au-185



2

Incident Energy (MeV)

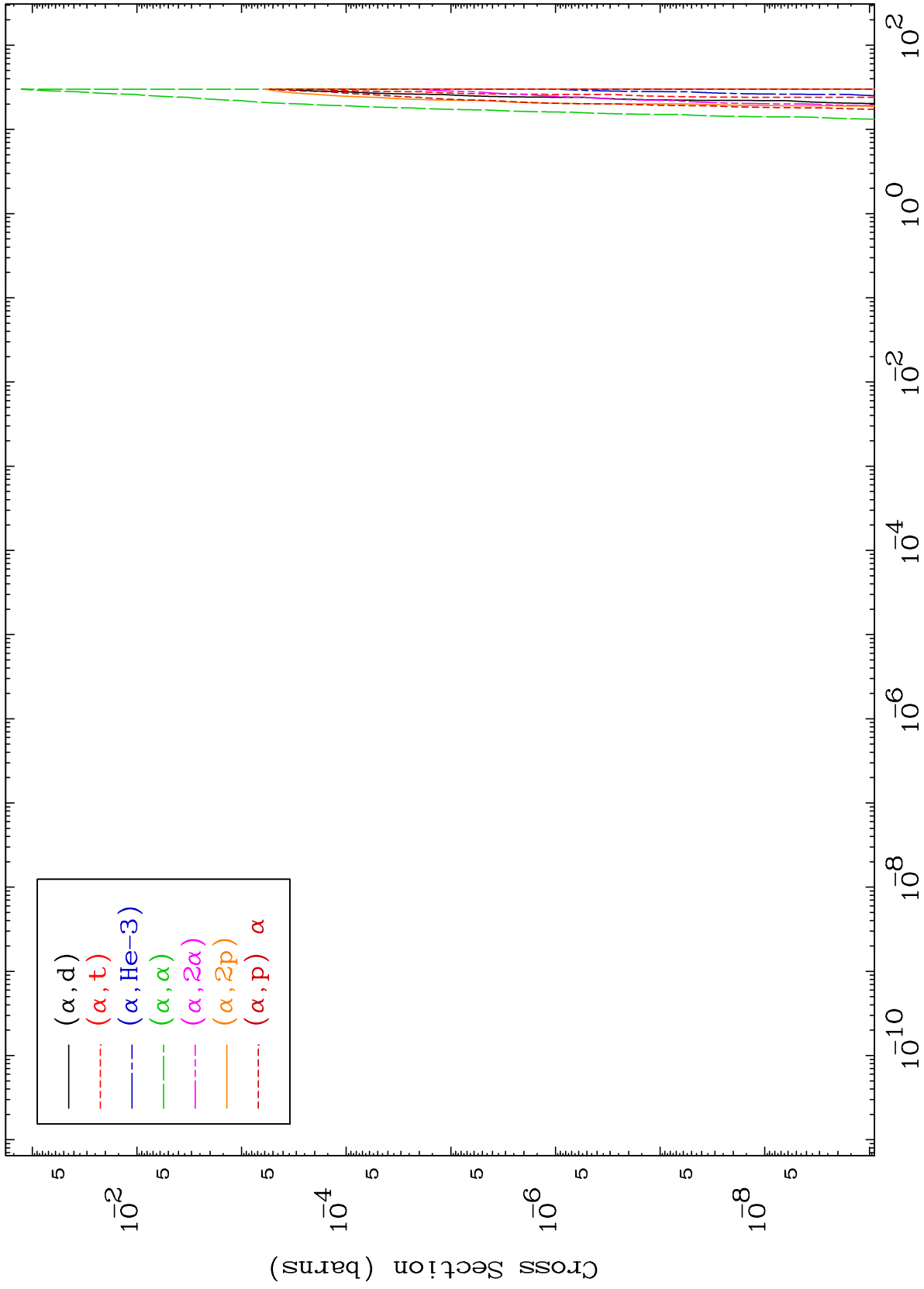
79-Au-185



MAT 7890

α Charged Particle
0 Kelvin Cross Sections

79-Au-185

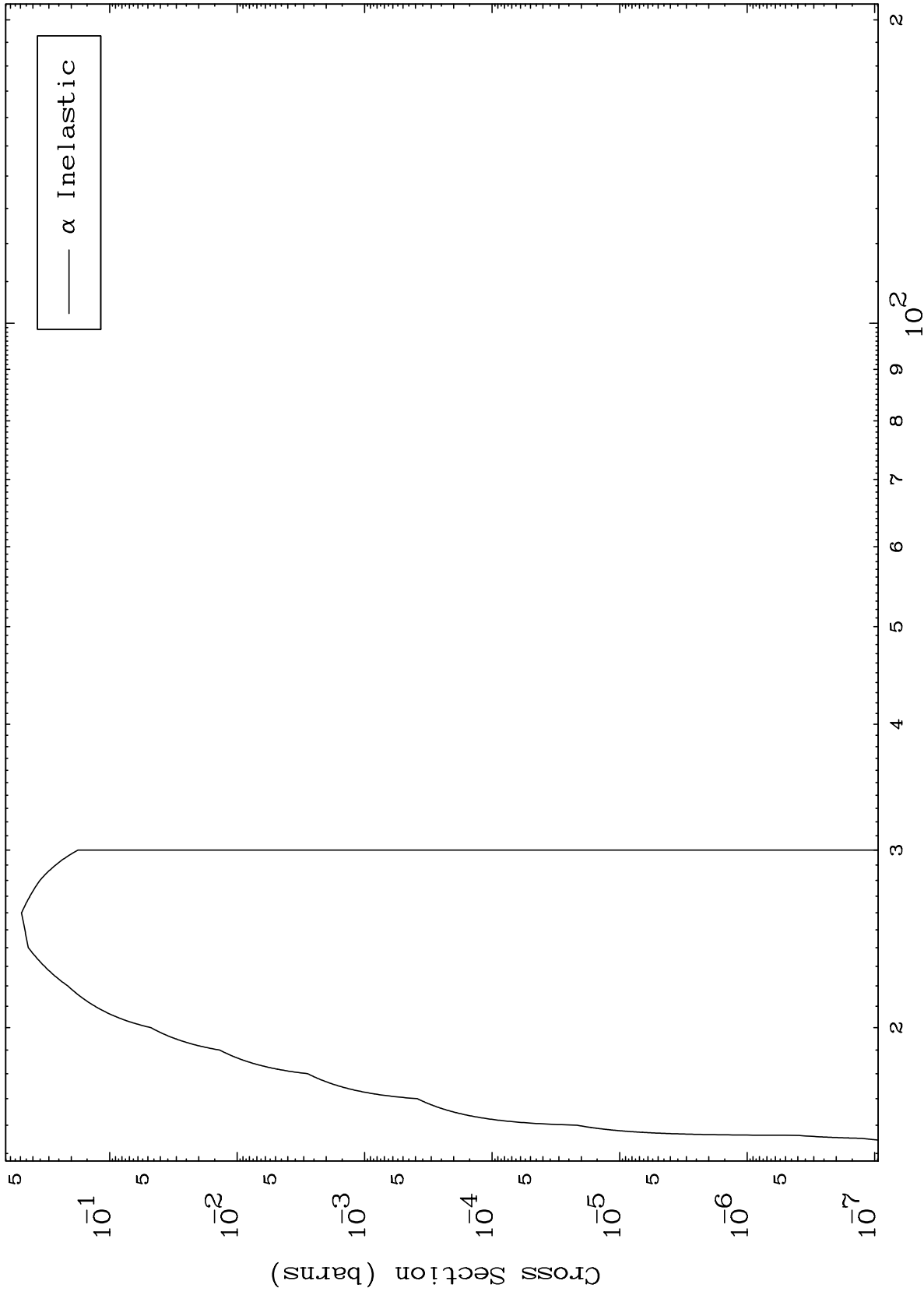


79-Au-185

MAT 7890

(α, n') Level
0 Kelvin Cross Sections

79-Au-185



5

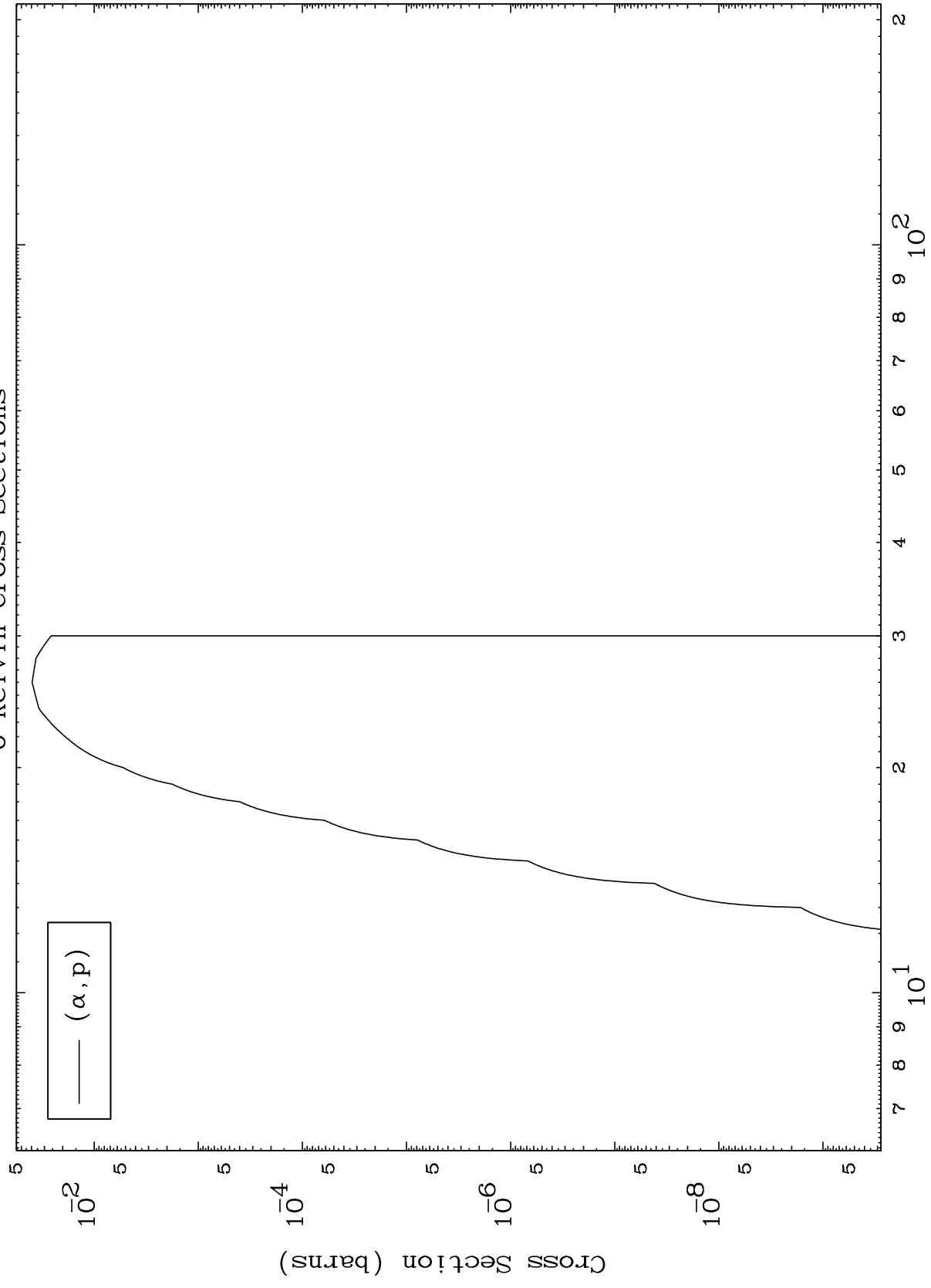
Incident Energy (MeV)

79-Au-185

MAT 7890

(α, p) Levels
0 Kelvin Cross Sections

79-Au-185



6

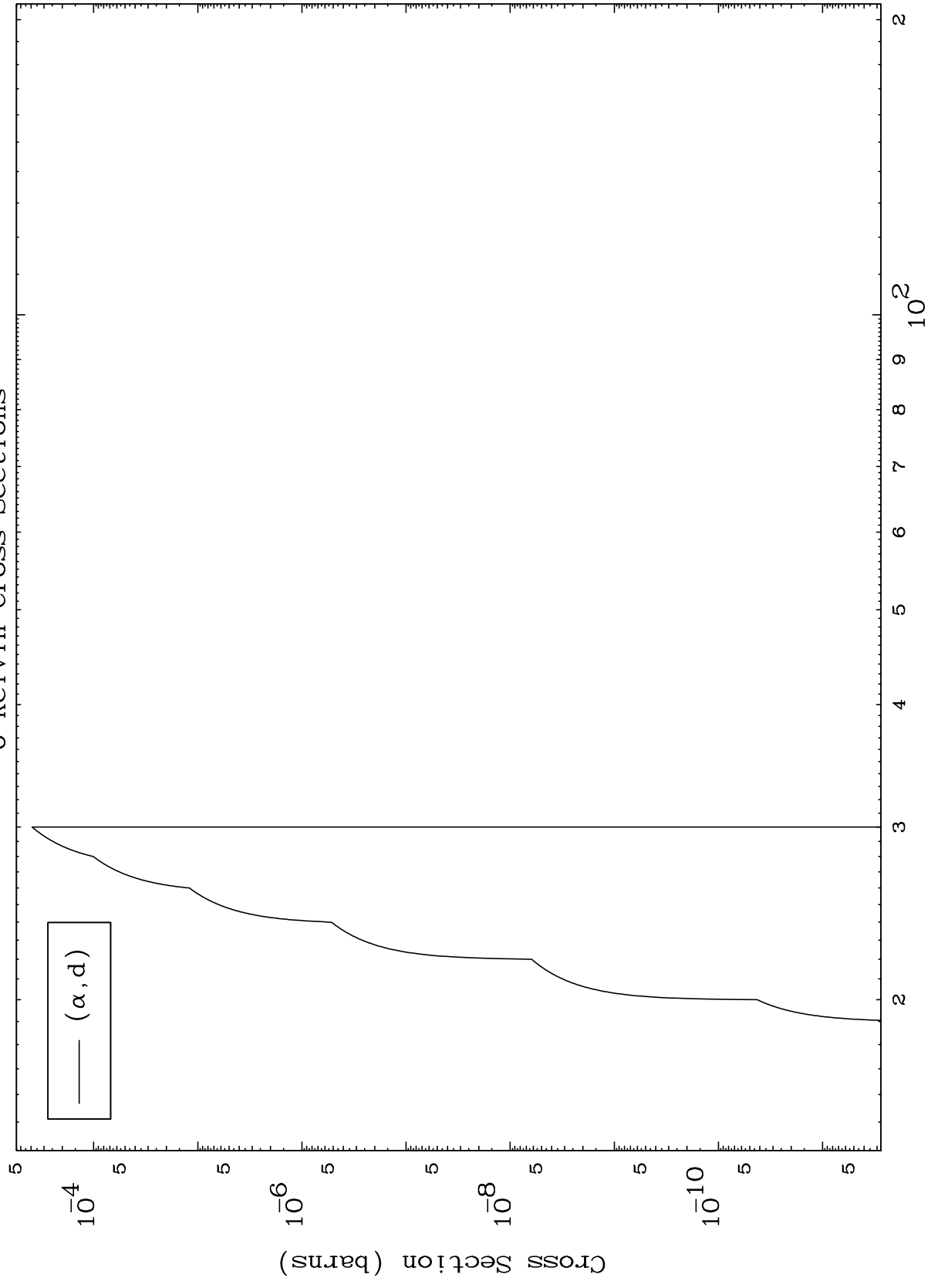
Incident Energy (MeV)

79-Au-185

MAT 7890

(α, d) Levels
0 Kelvin Cross Sections

79-Au-185



7

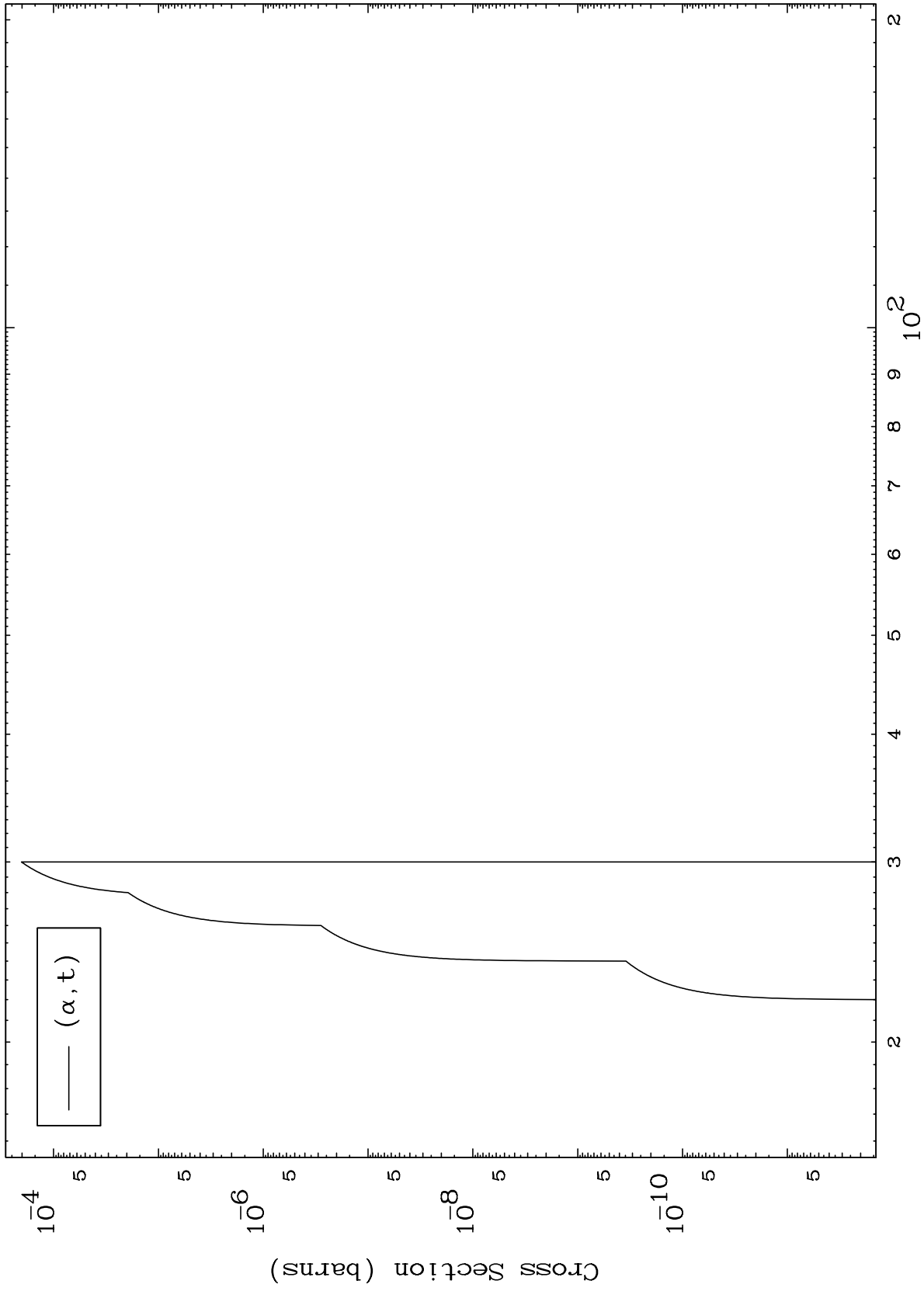
Incident Energy (MeV)

79-Au-185

MAT 7890

(α, t) Levels
0 Kelvin Cross Sections

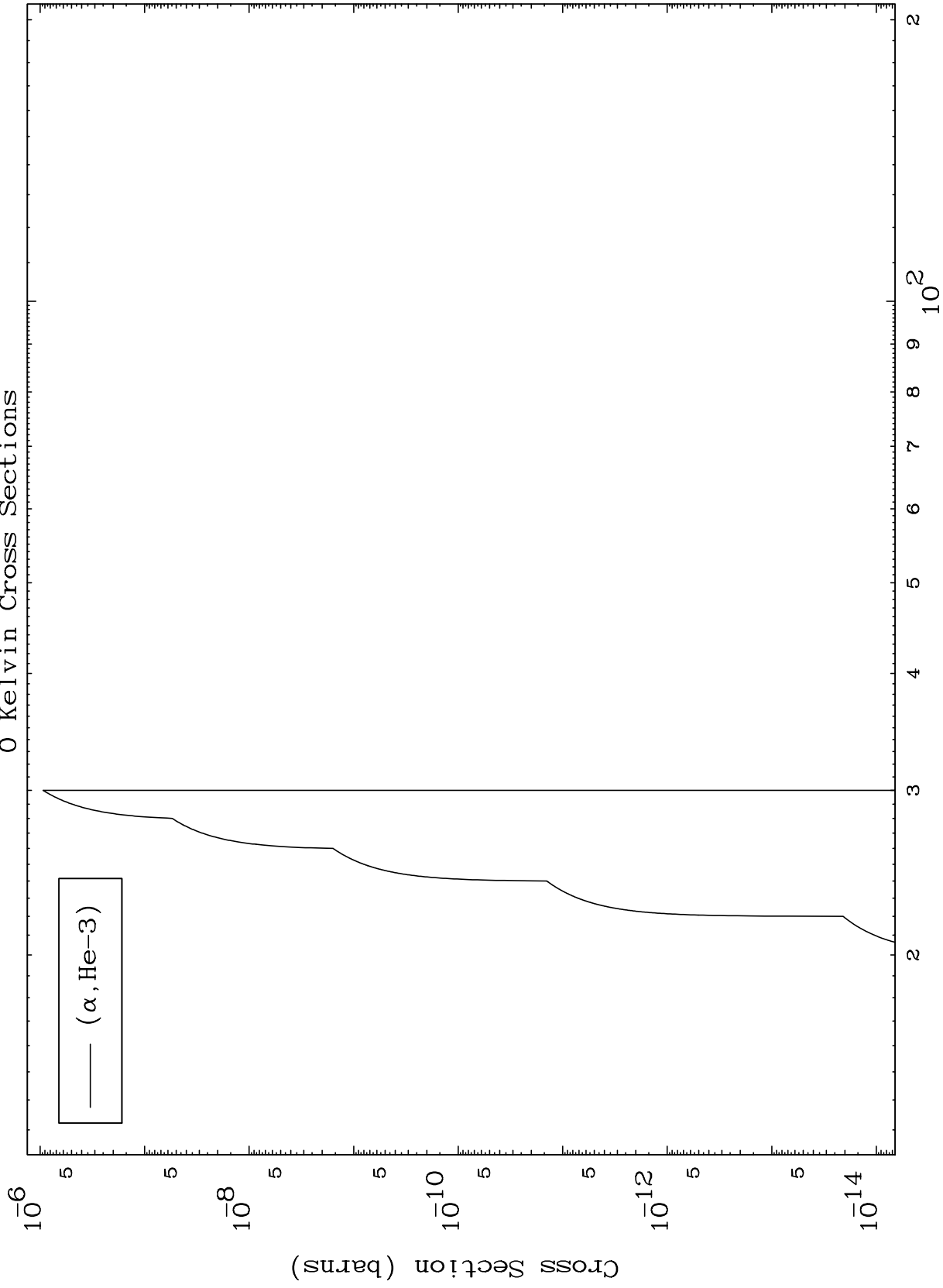
⁷⁹Au-185



8

Incident Energy (MeV)

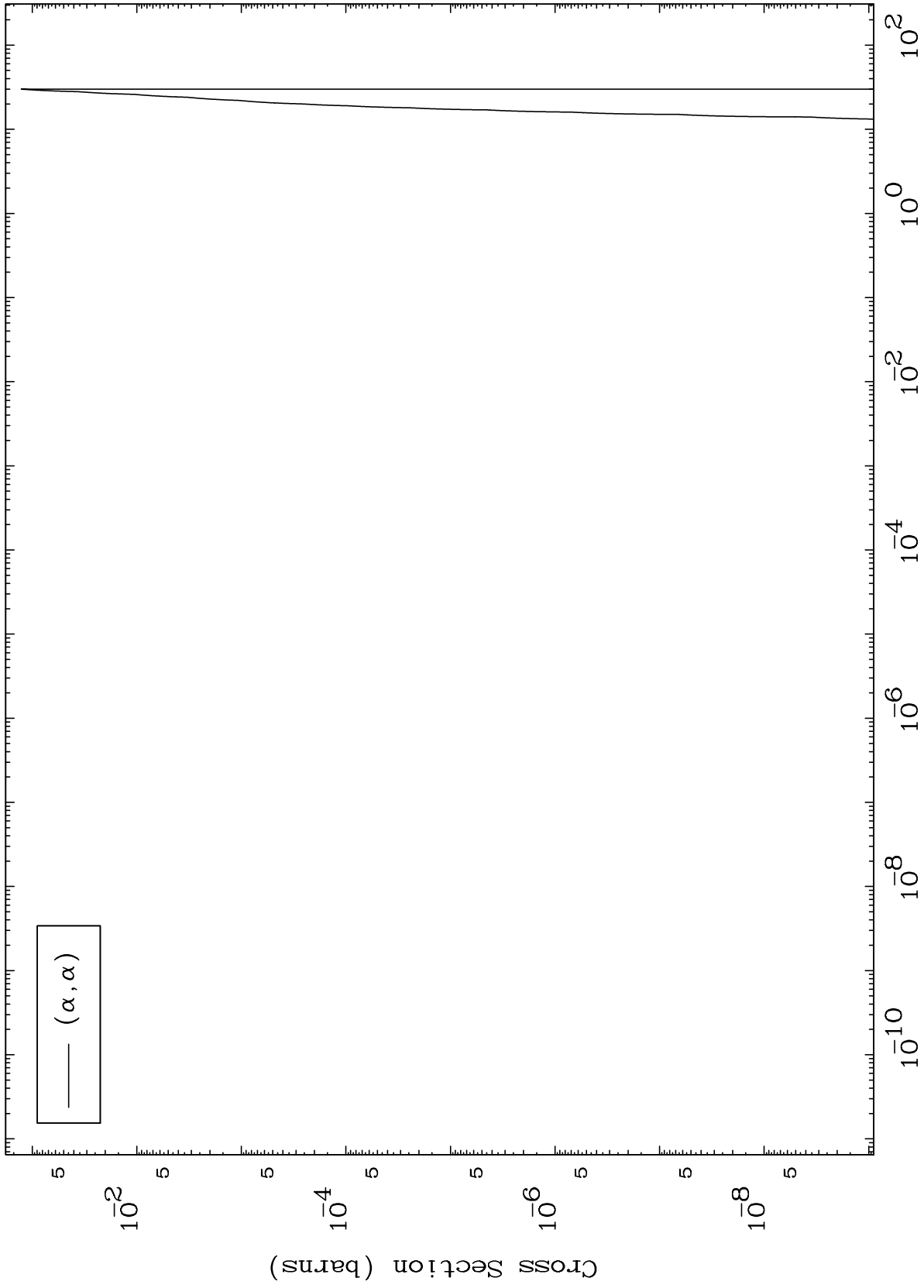
⁷⁹Au-185



MAT 7890

(α, α) Levels
0 Kelvin Cross Sections

79-Au-185

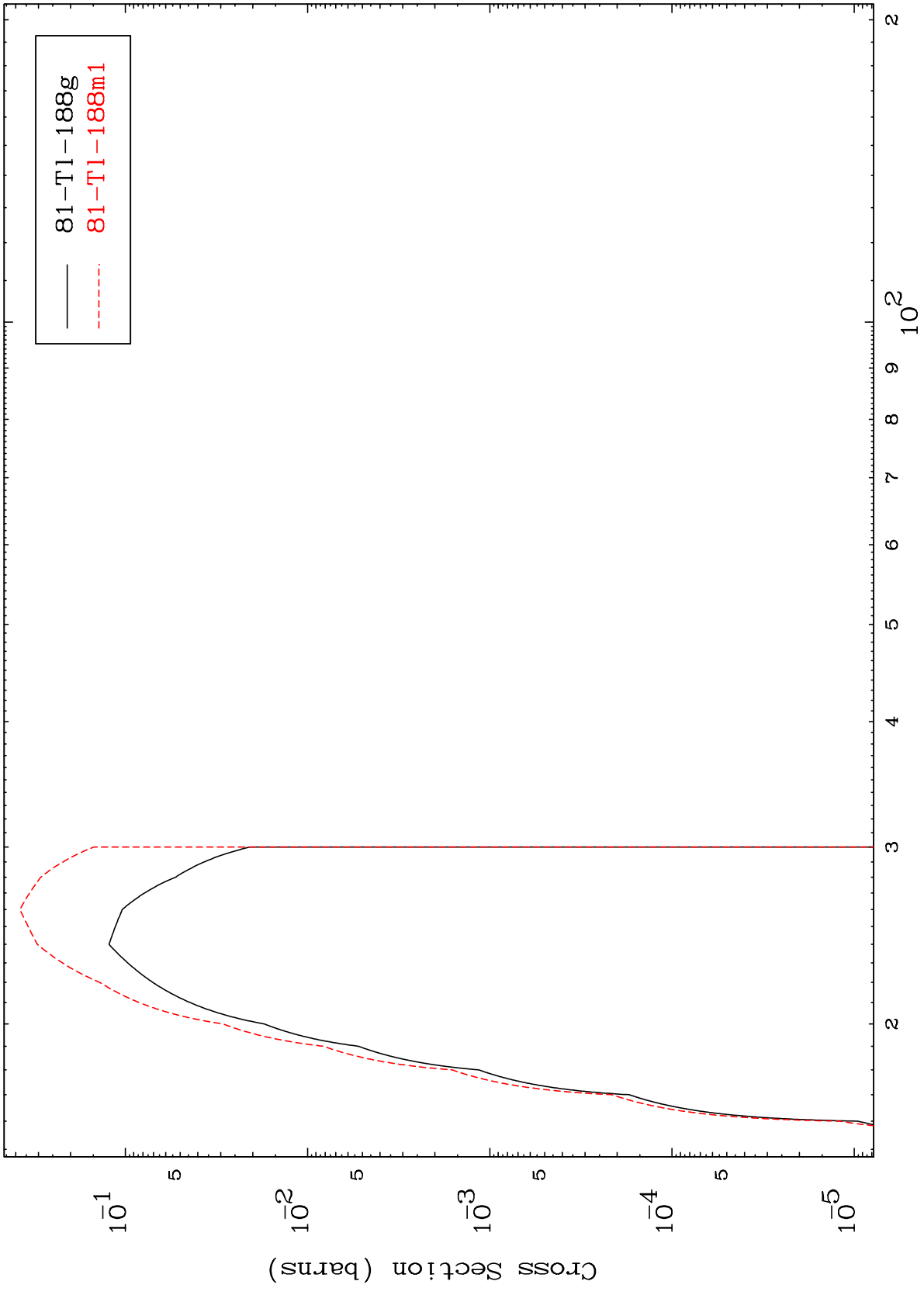


10

Incident Energy (MeV)

79-Au-185

α Inelastic
Radionuclide Production Cross Section



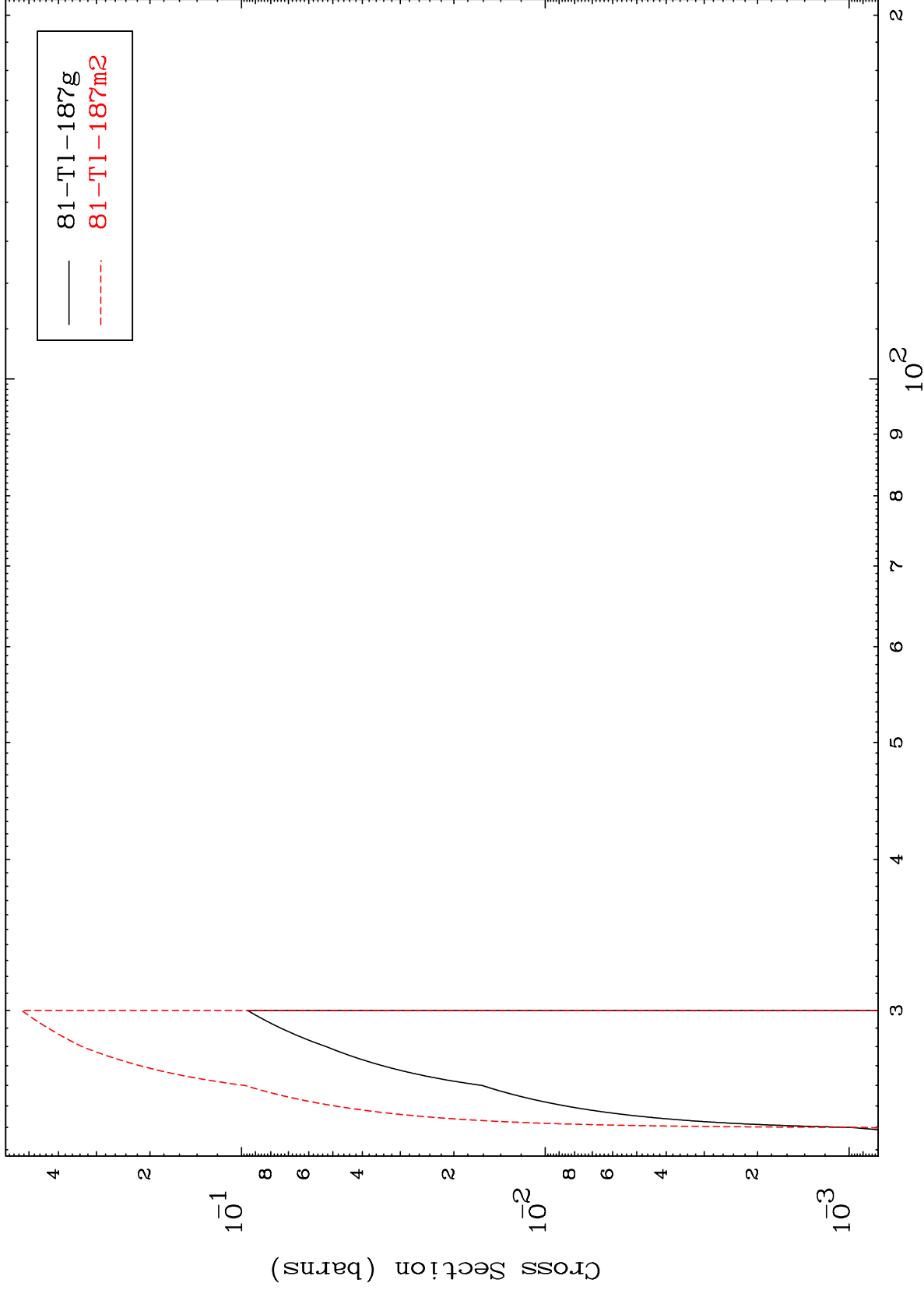
81-Tl-188g
81-Tl-188m1

MAT 7890

($\alpha, 2n$)

79-Au-185

Radionuclide Production Cross Section



12

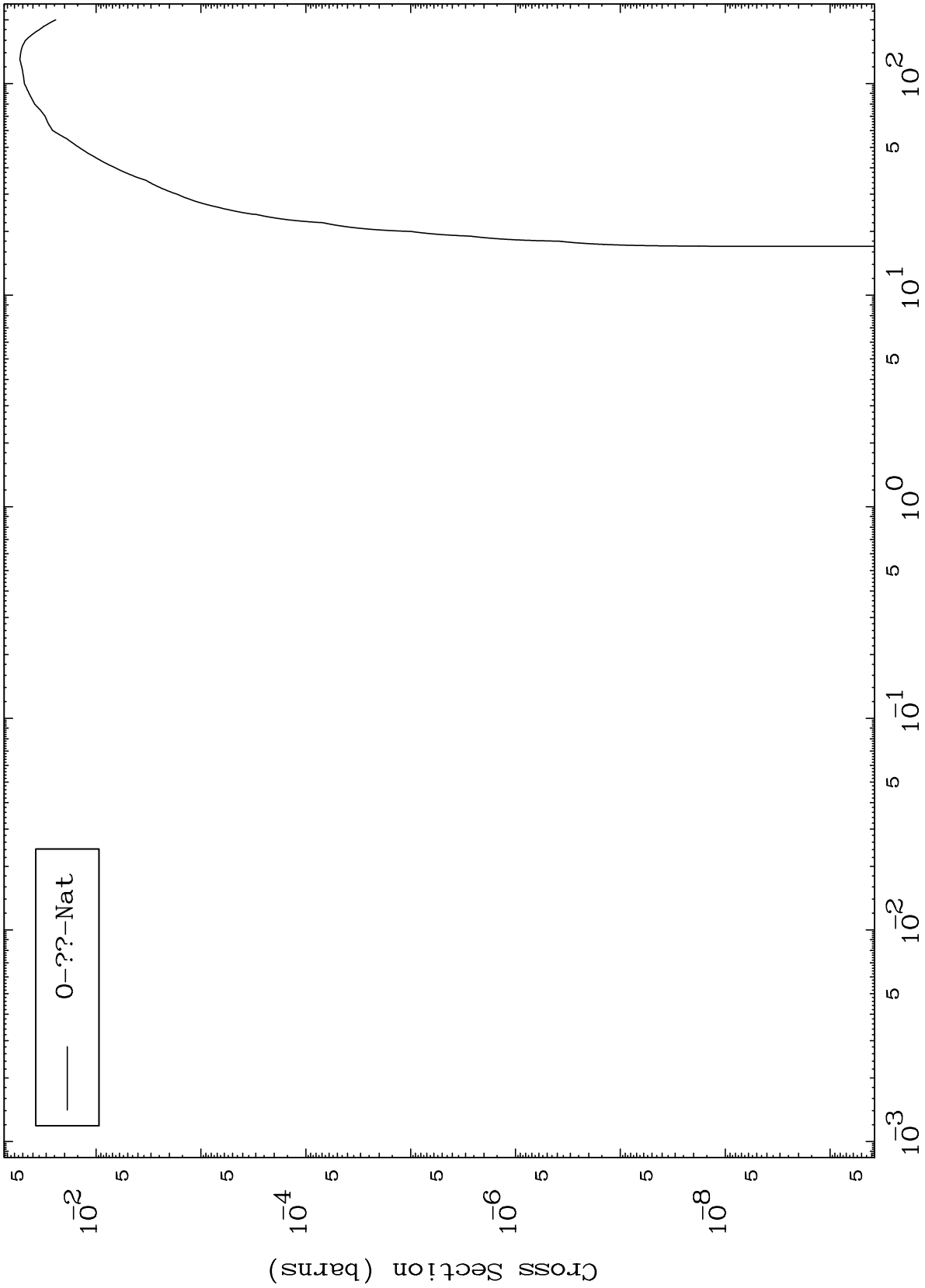
Incident Energy (MeV)

79-Au-185

MAT 7890

α Fission
Radionuclide Production Cross Section

79-Au-185



13

Incident Energy (MeV)

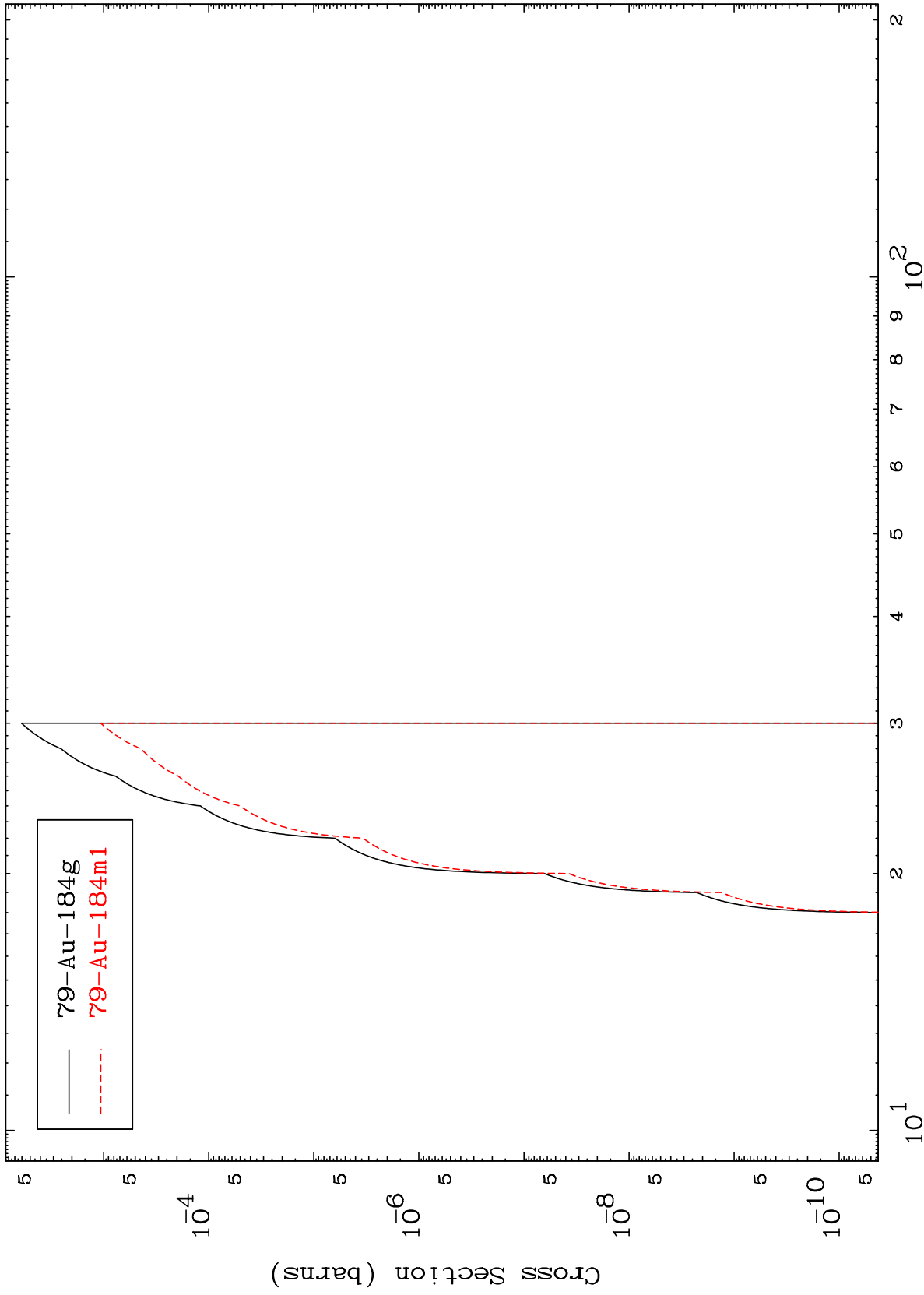
79-Au-185

MAT 7890

(α, n') α

$^{79}\text{Au-185}$

Radionuclide Production Cross Section



14

Incident Energy (MeV)

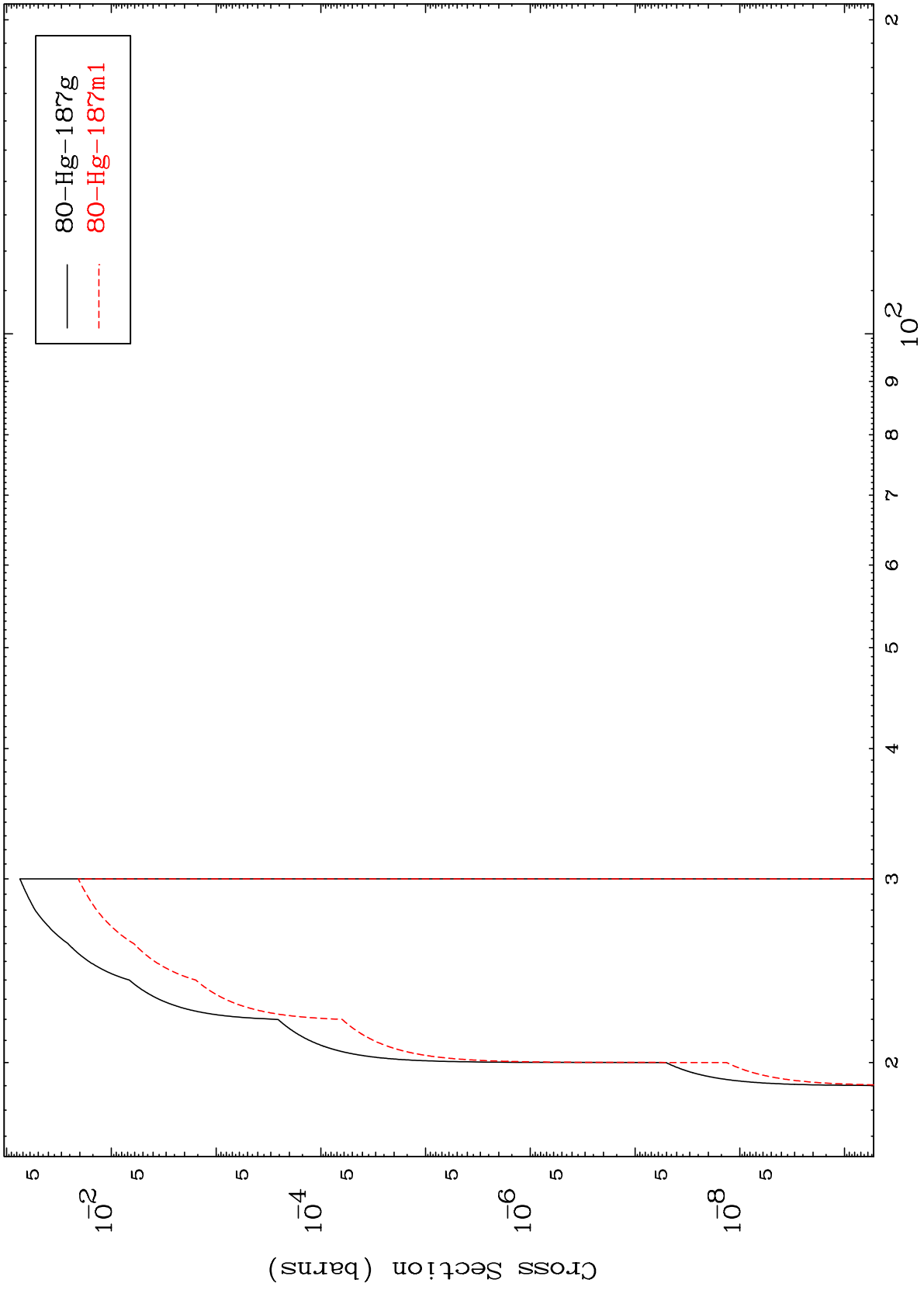
$^{79}\text{Au-185}$

MAT 7890

(α, n') p

79-Au-185

Radionuclide Production Cross Section



15

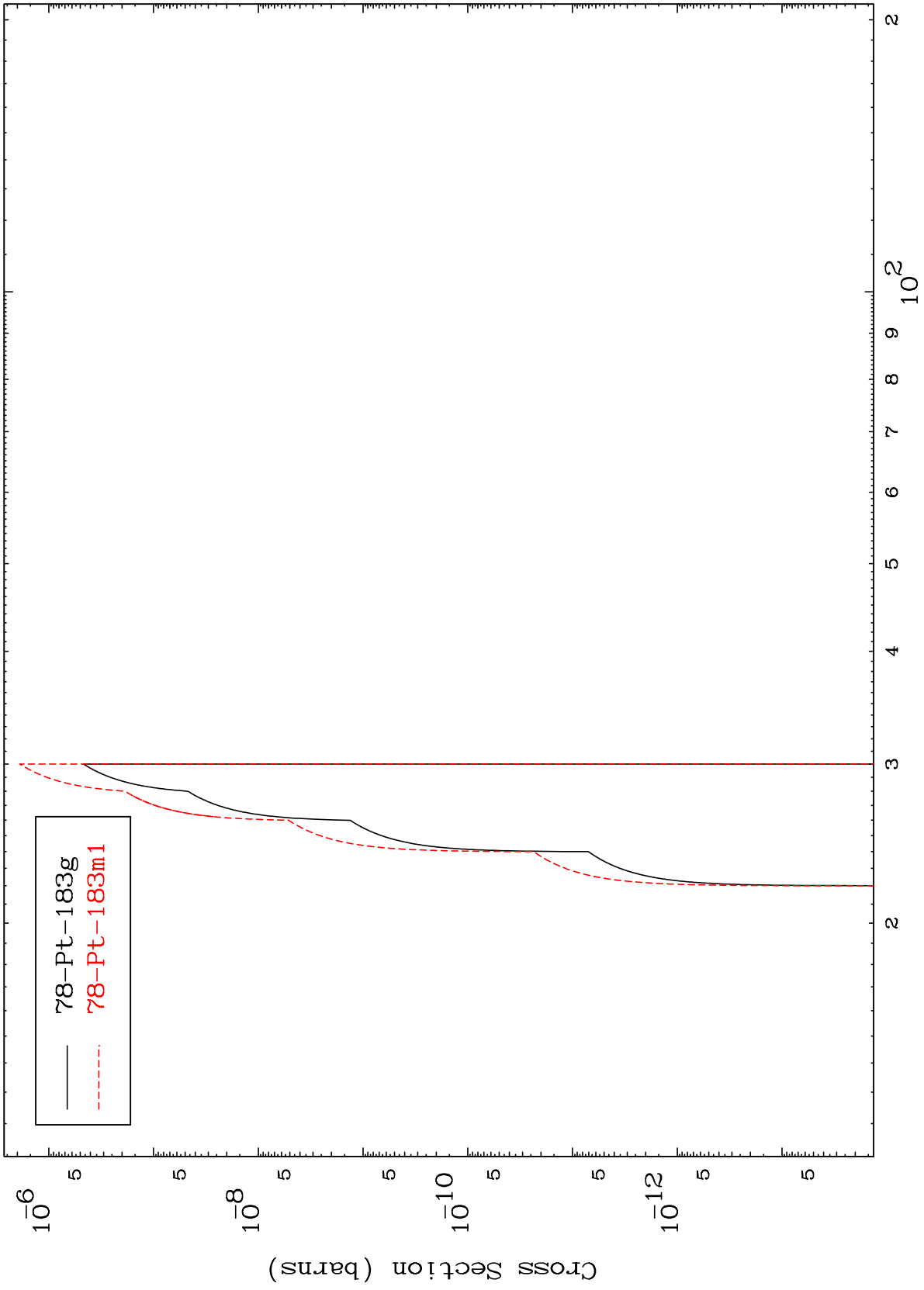
Incident Energy (MeV)

79-Au-185

MAT 7890

79-Au-185

(α, n') p α
Radionuclide Production Cross Section



16

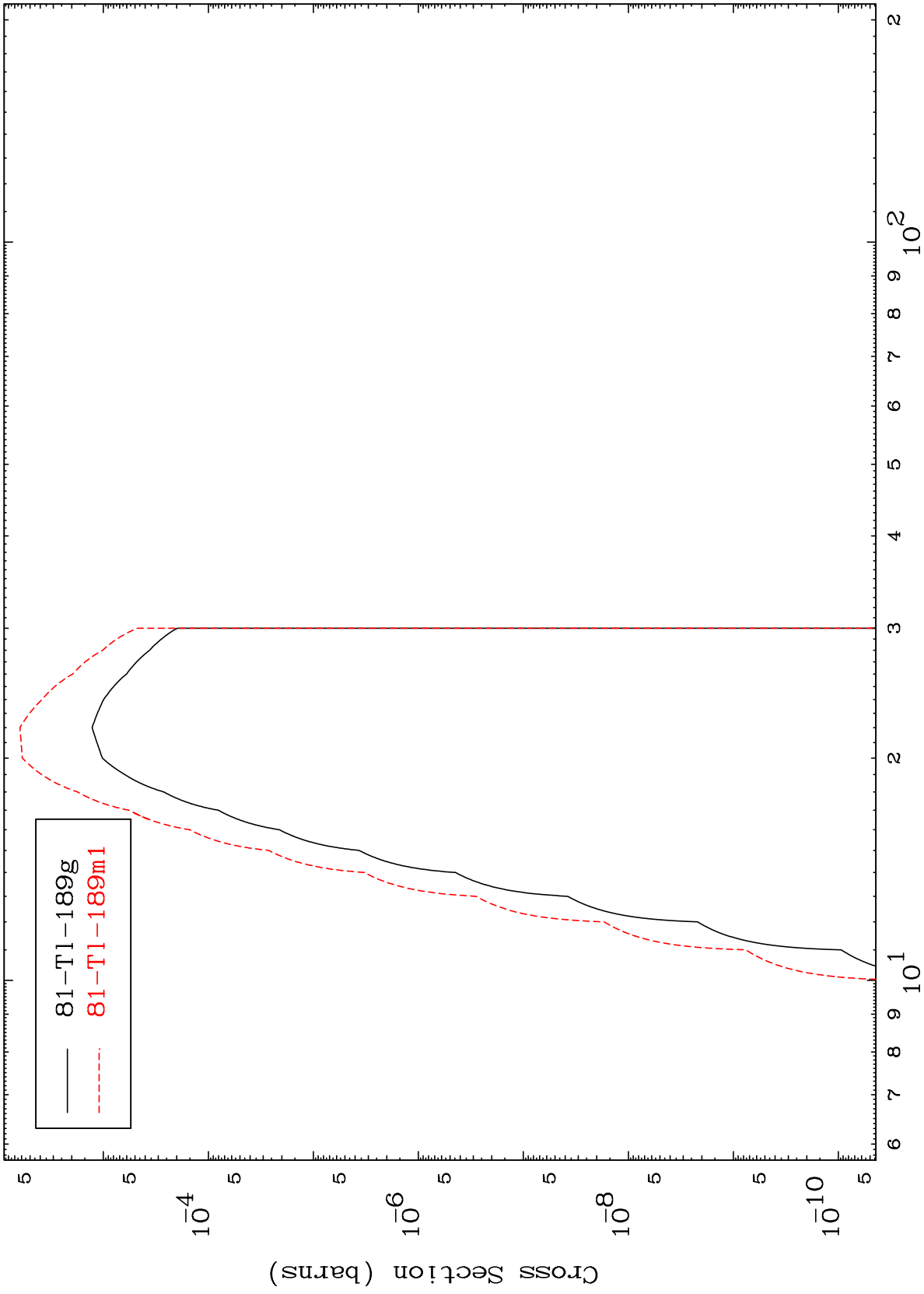
Incident Energy (MeV)

79-Au-185

MAT 7890

79-Au-185

(α, γ)
Radionuclide Production Cross Section



17

Incident Energy (MeV)

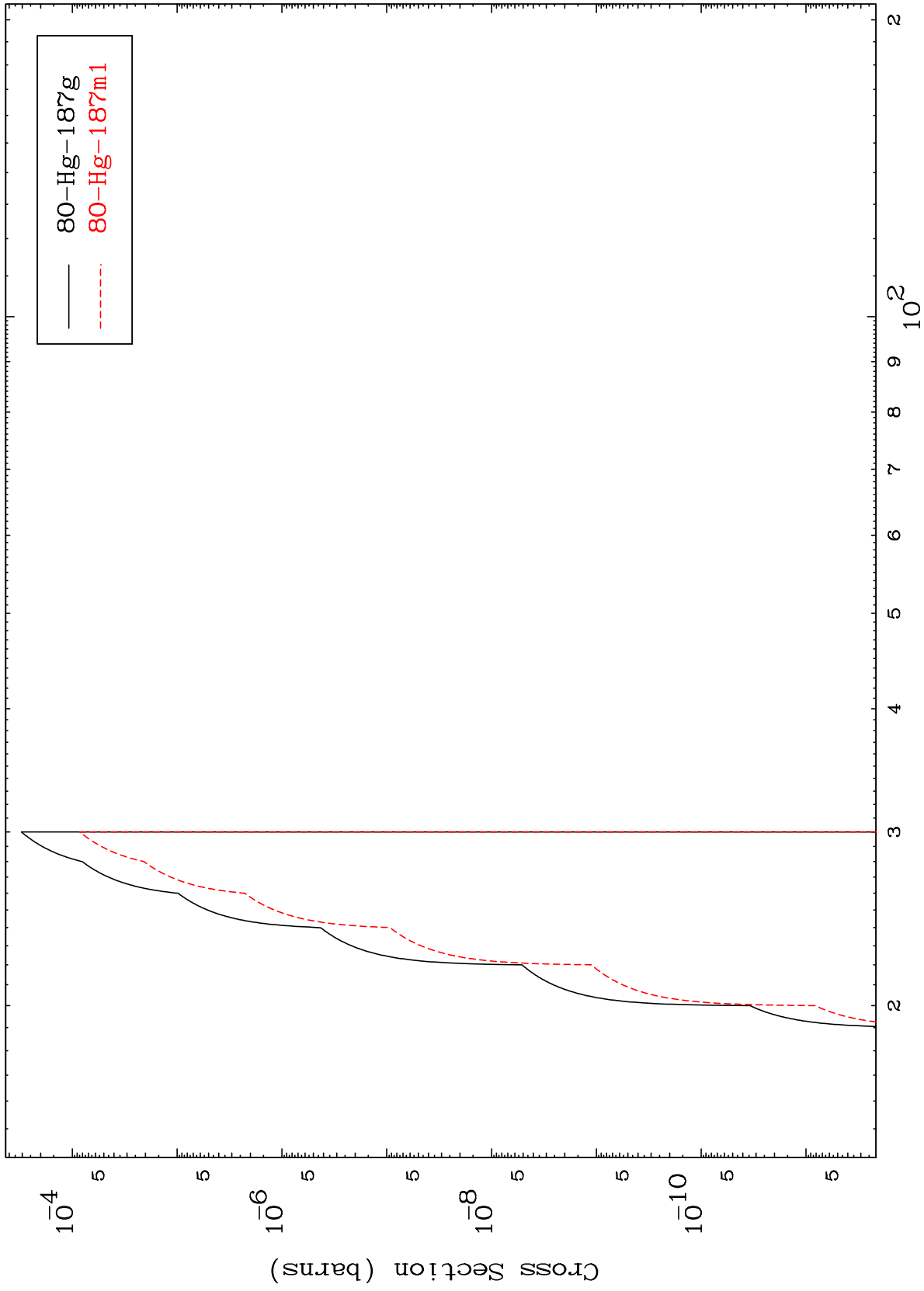
79-Au-185

MAT 7890

(α, d)

79-Au-185

Radionuclide Production Cross Section



18

Incident Energy (MeV)

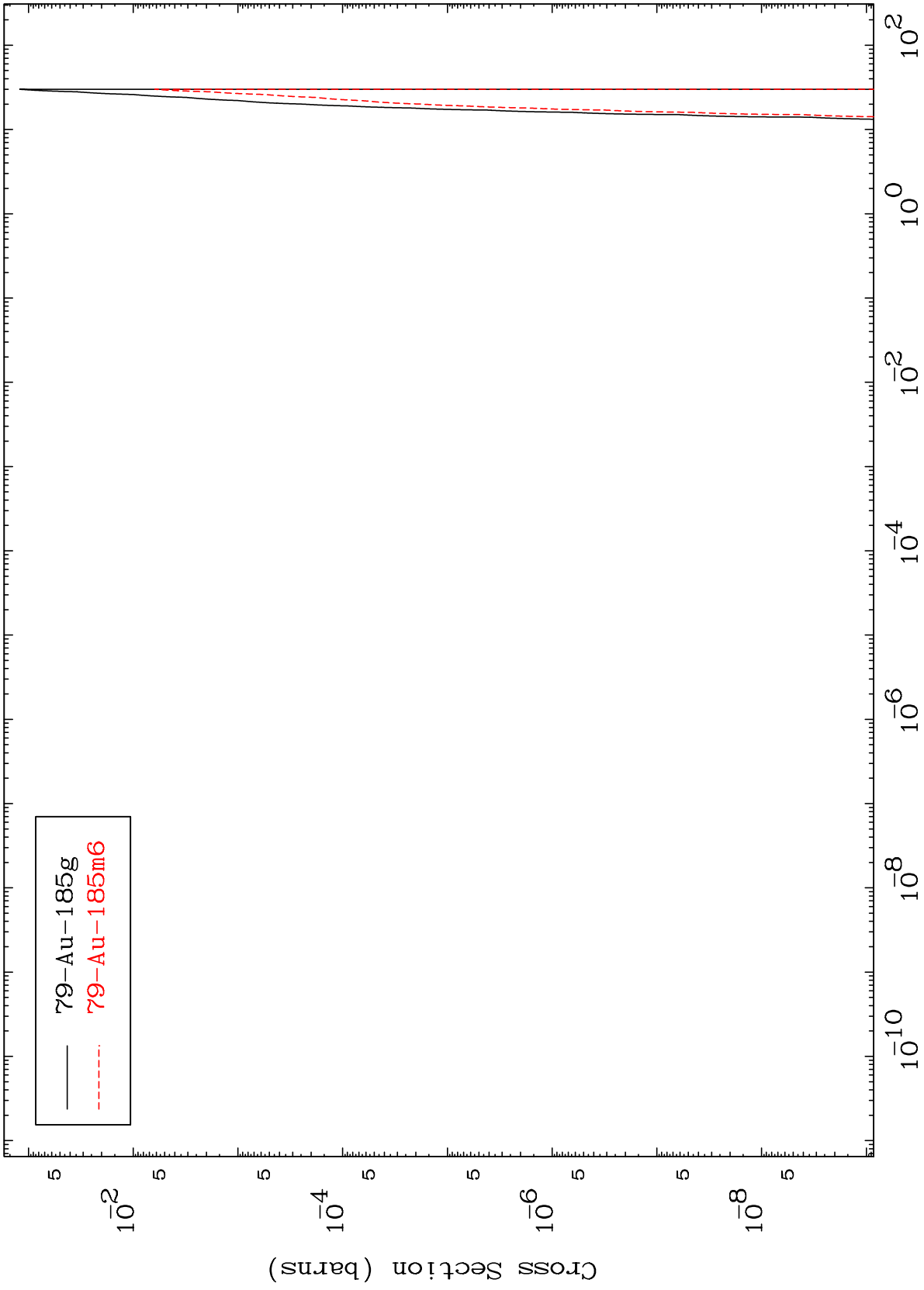
79-Au-185

MAT 7890

(α, α)

⁷⁹Au-185

Radionuclide Production Cross Section



19

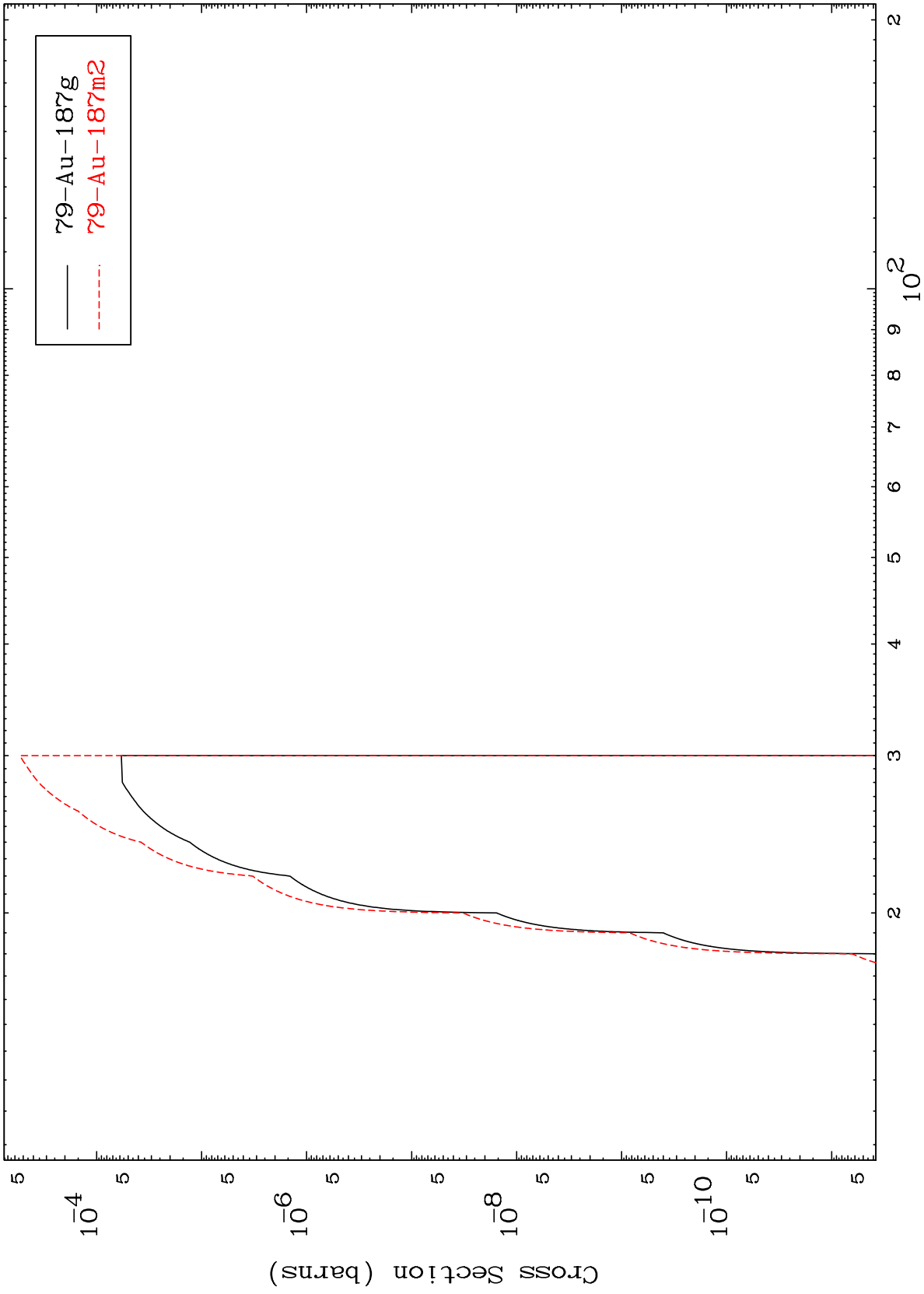
Incident Energy (MeV)

⁷⁹Au-185

MAT 7890

⁷⁹Au-185

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



20

⁷⁹Au-185

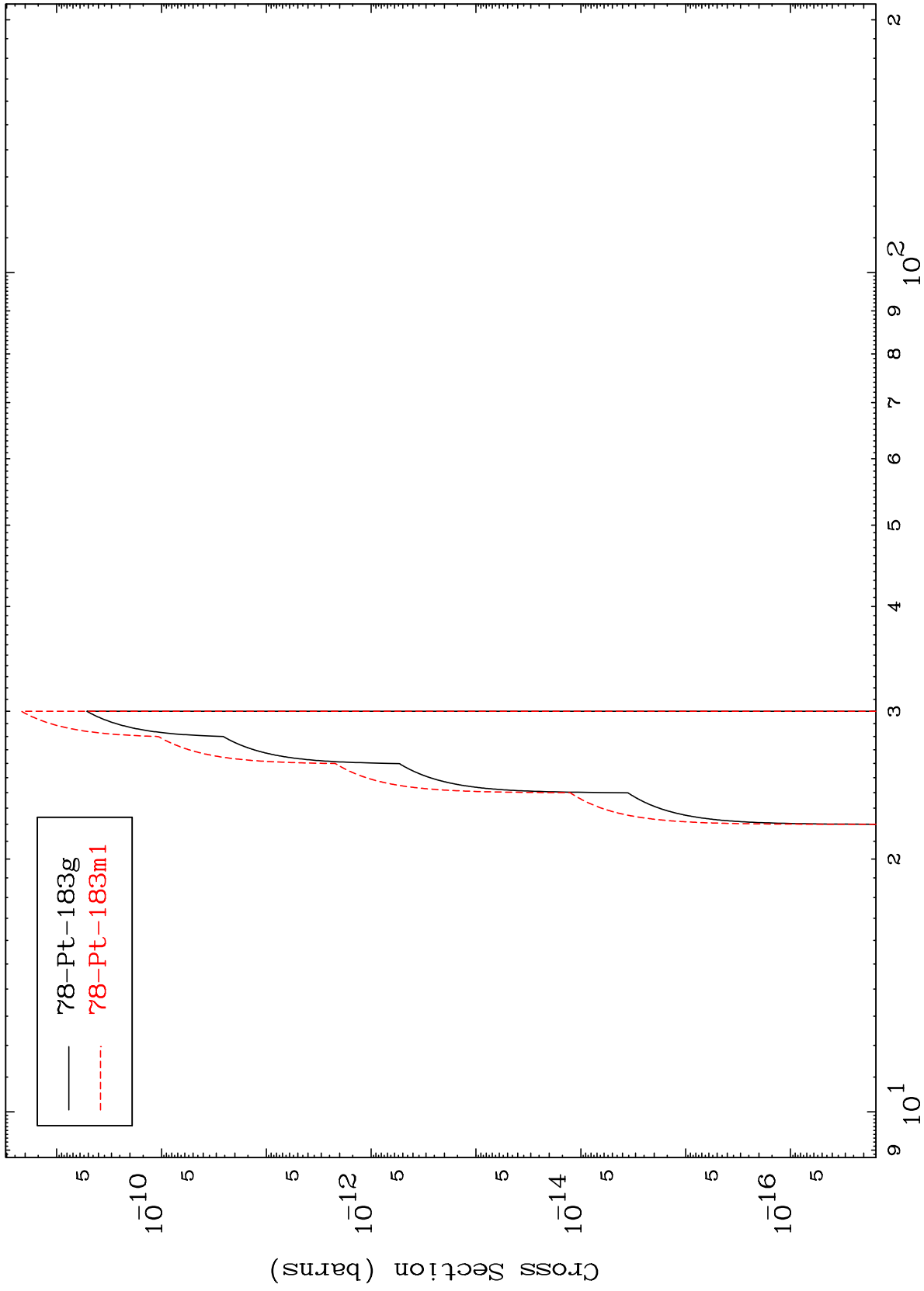
Incident Energy (MeV)

MAT 7890

(α, d) α

79-Au-185

Radionuclide Production Cross Section



21

Incident Energy (MeV)

79-Au-185