

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

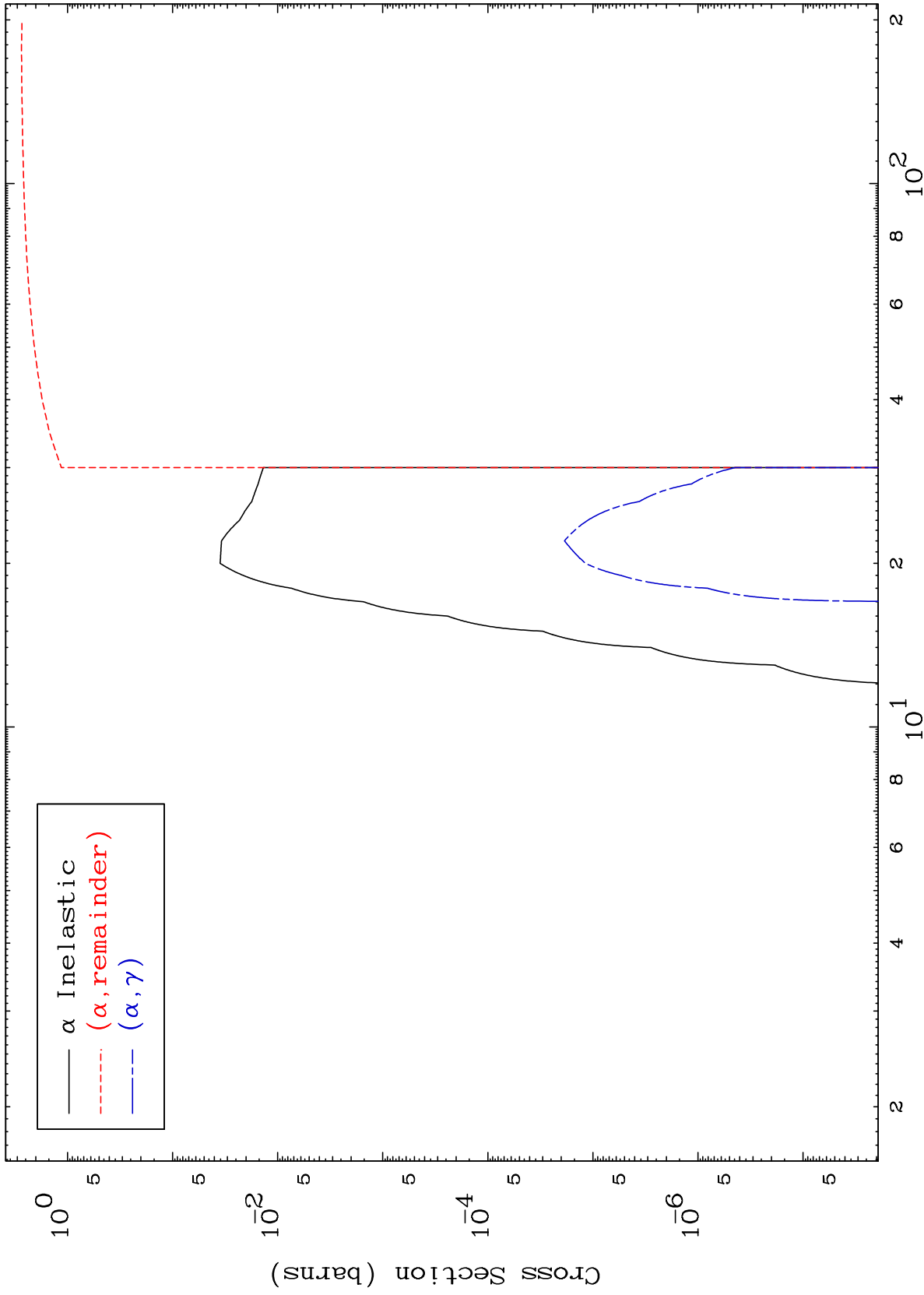
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7922

0 Kelvin α Major
Cross Sections

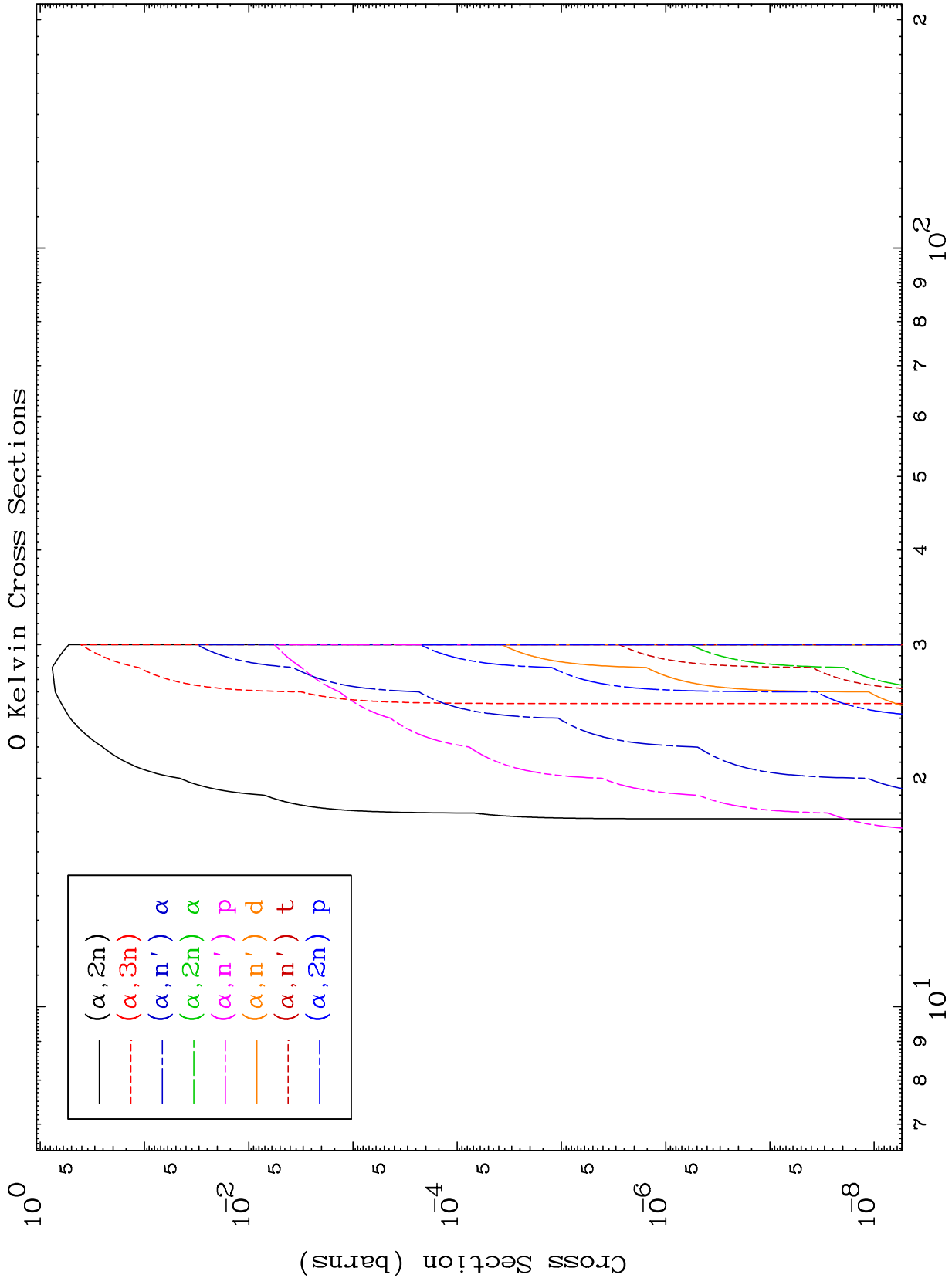
79-Au-196

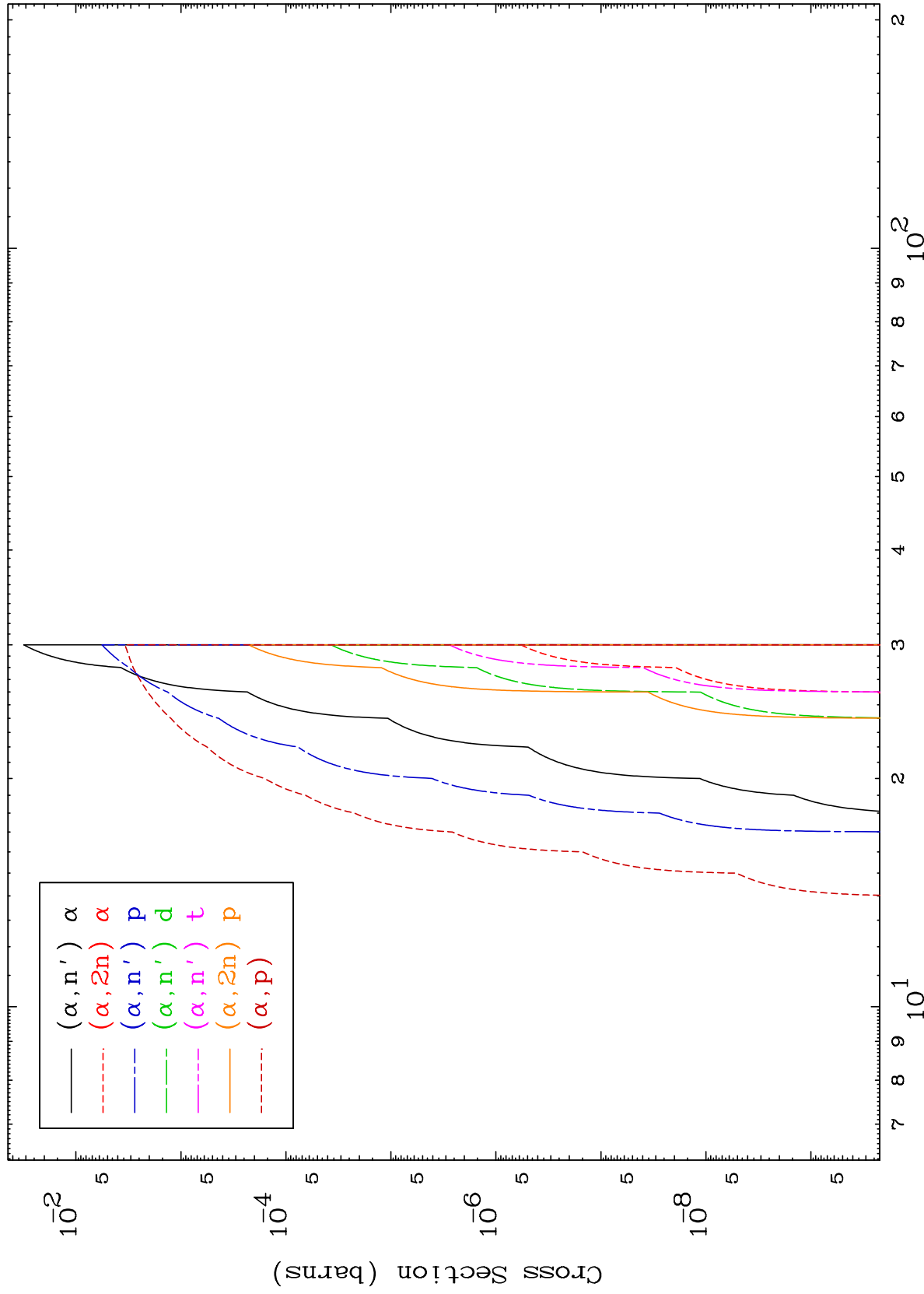


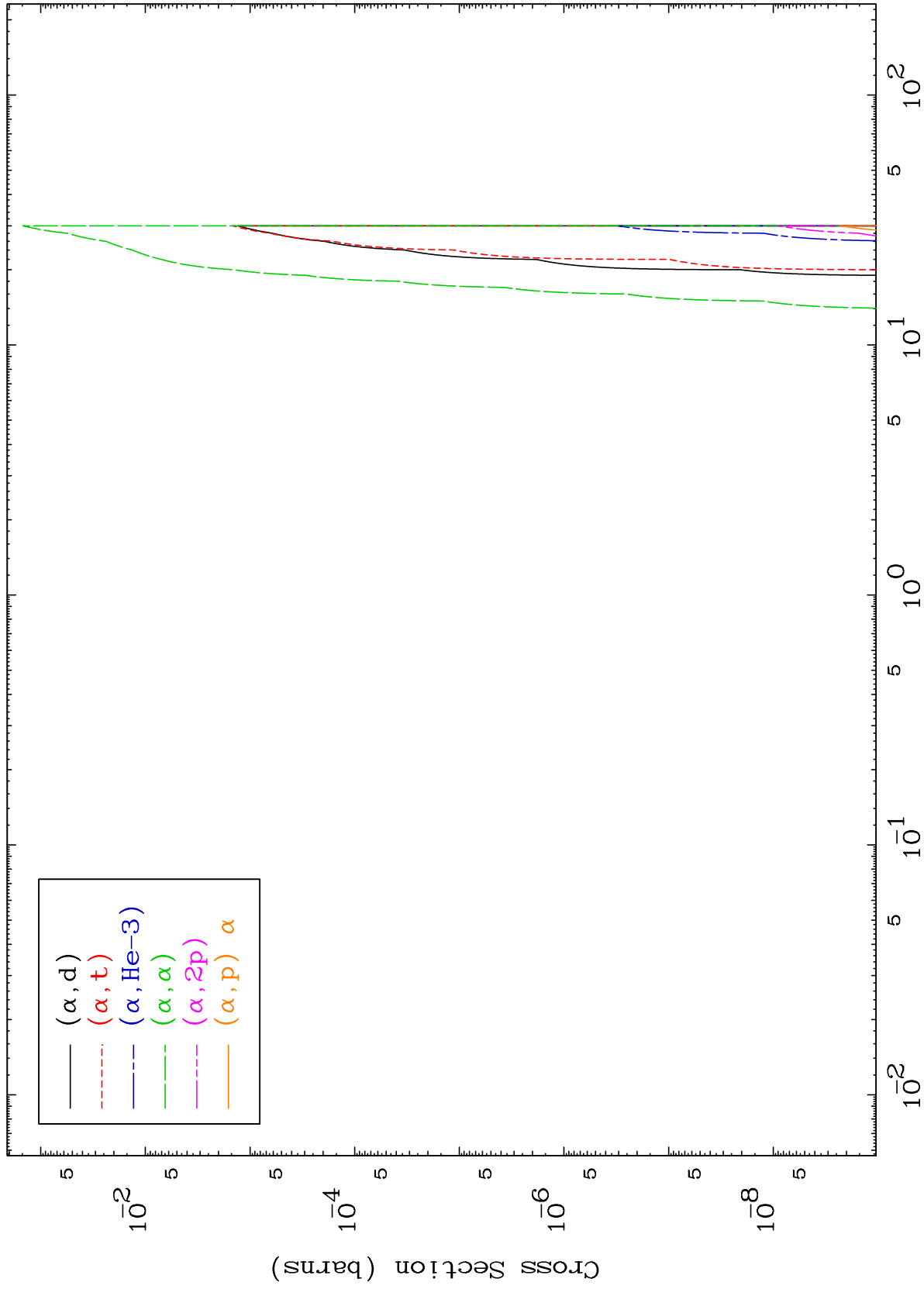
1

Incident Energy (MeV)

79-Au-196



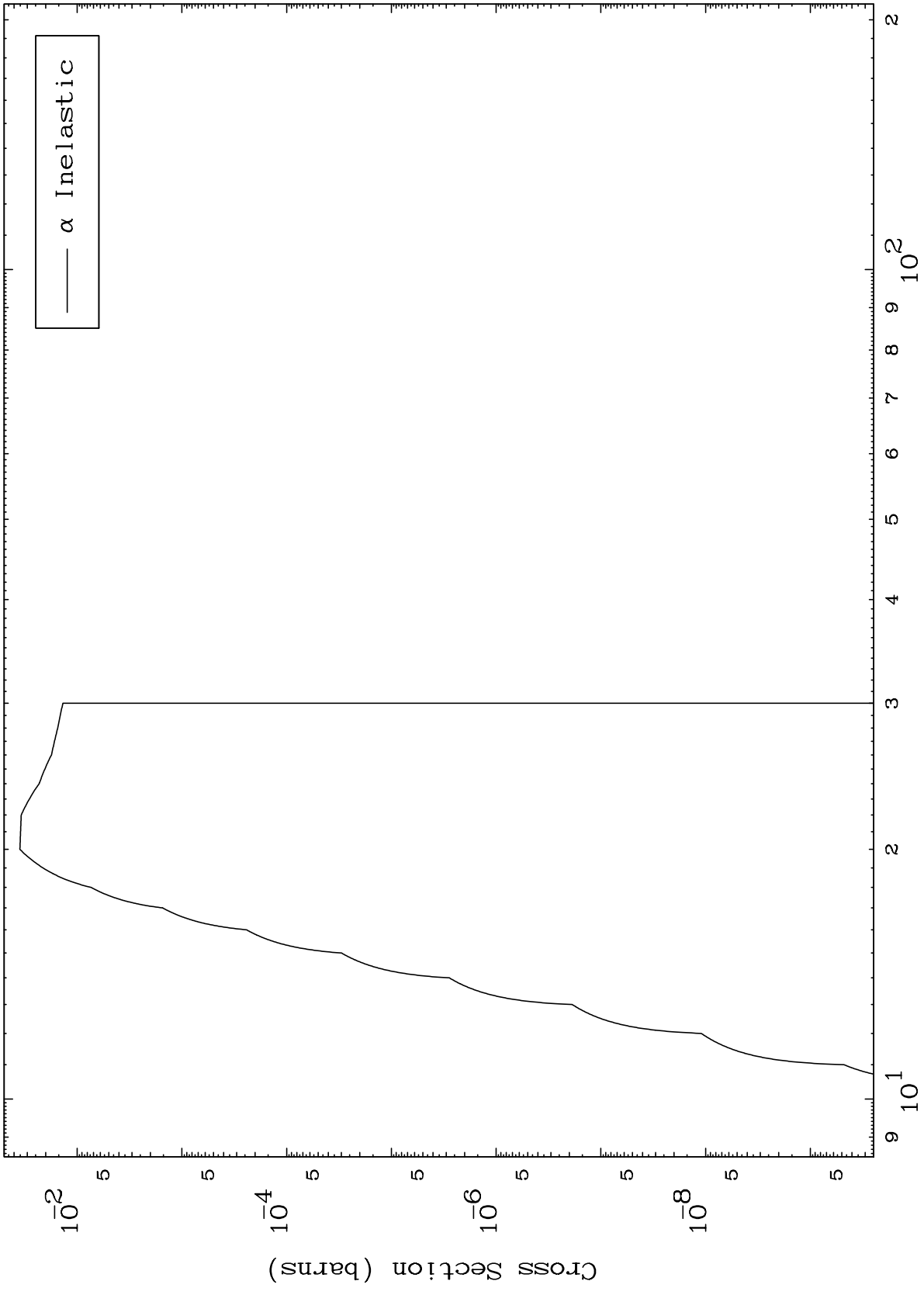




MAT 7922

(α, n') Level
0 Kelvin Cross Sections

79-Au-196



79-Au-196

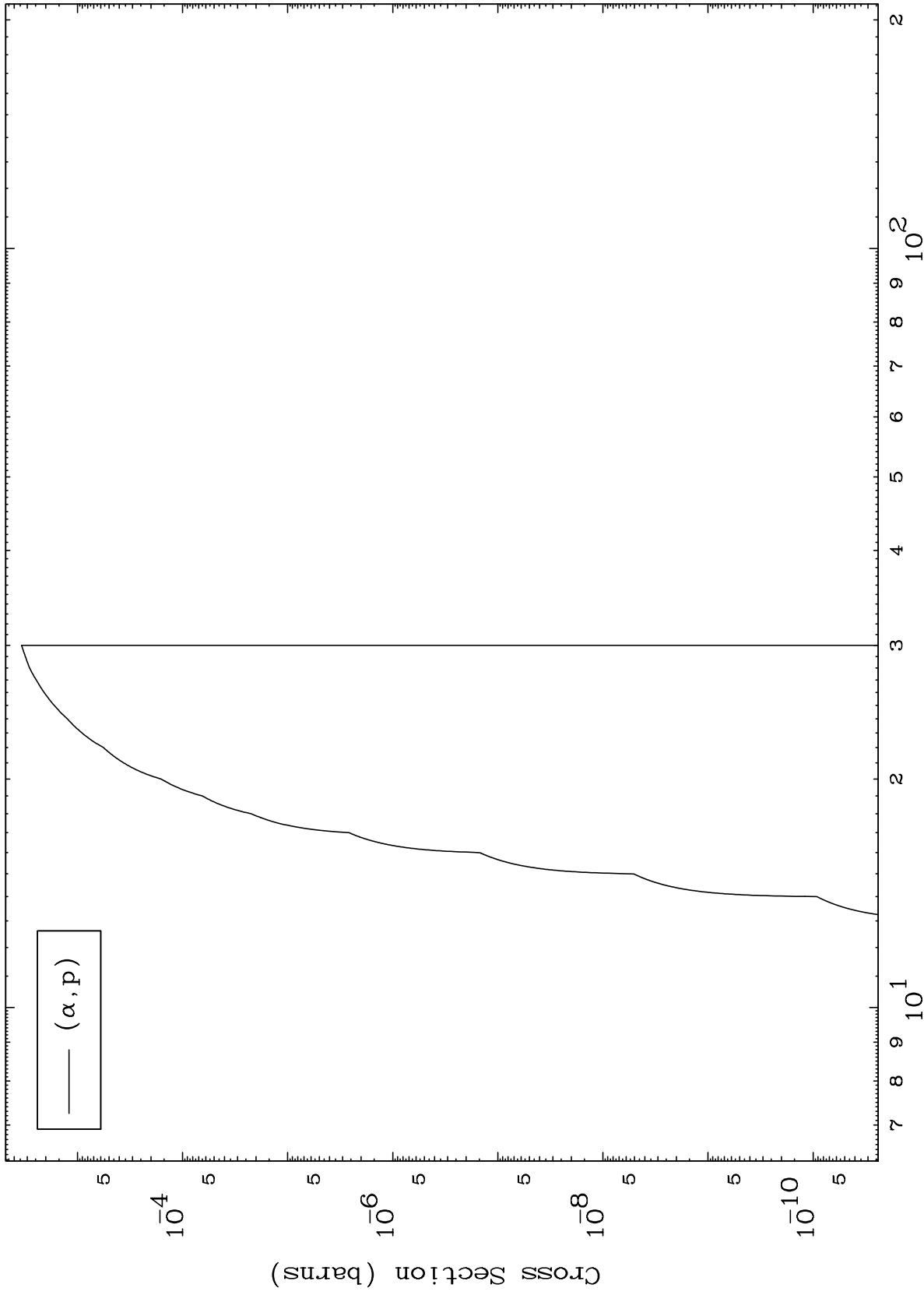
Incident Energy (MeV)

5

MAT 7922

(α, p) Levels
0 Kelvin Cross Sections

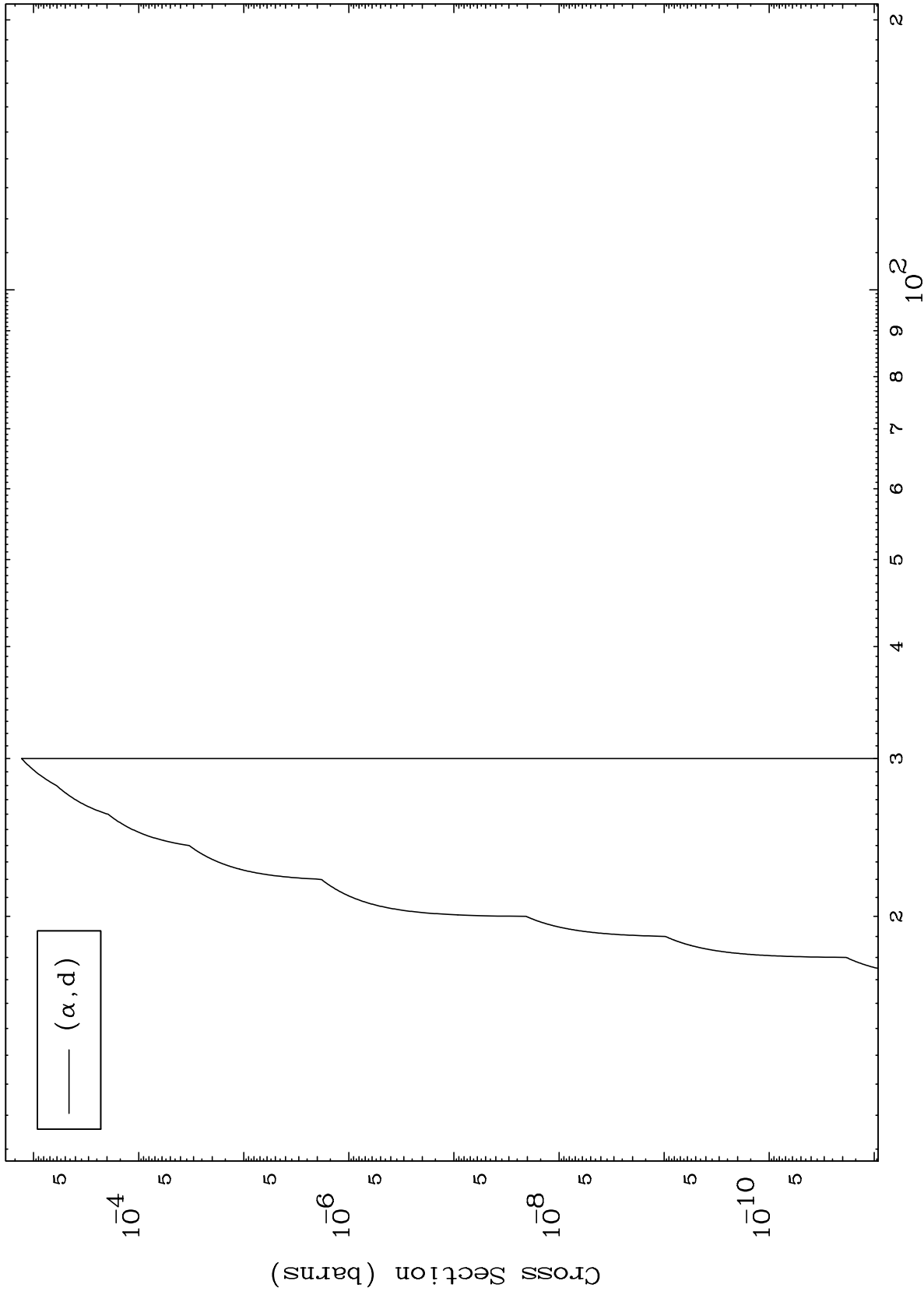
79-Au-196

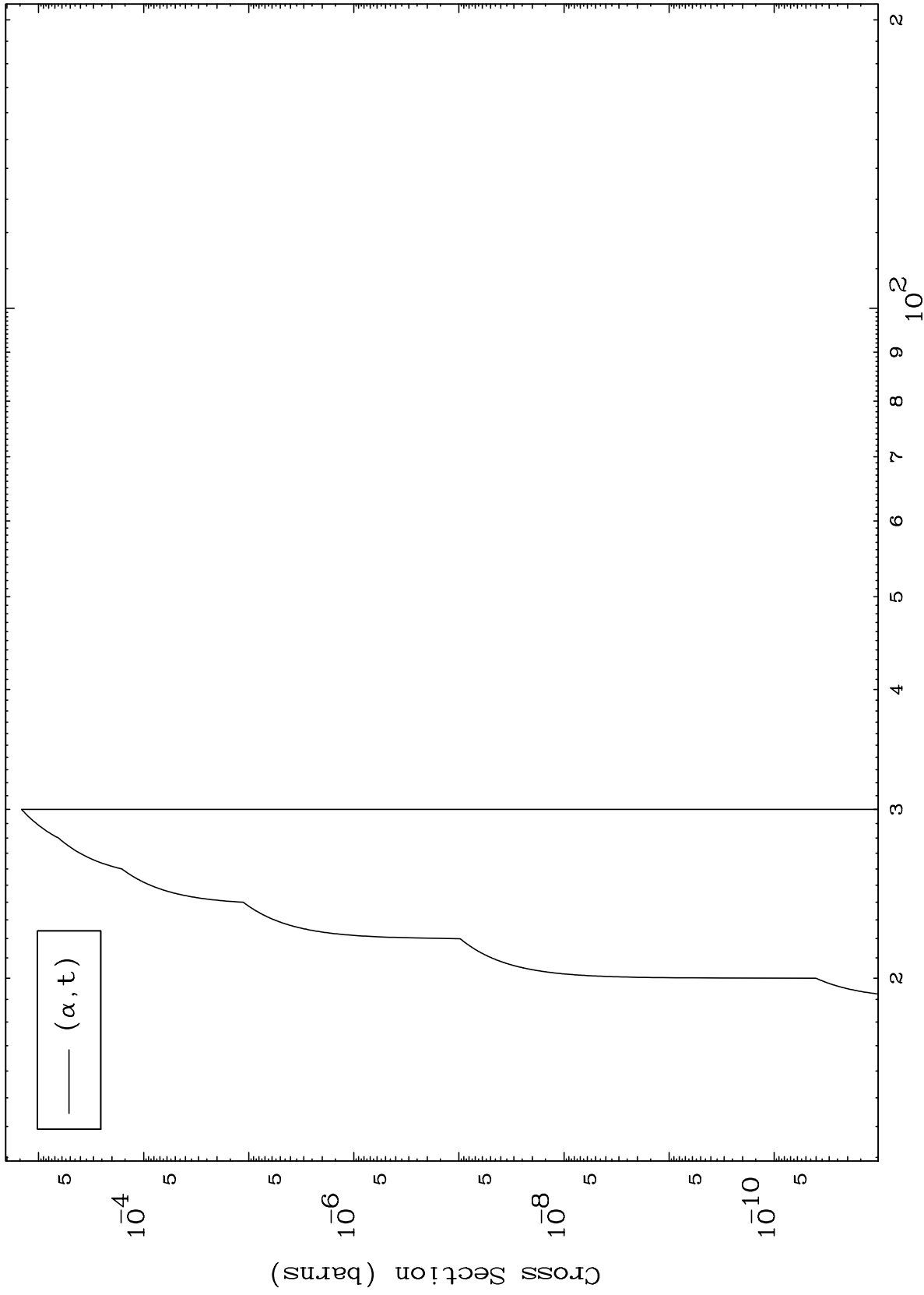


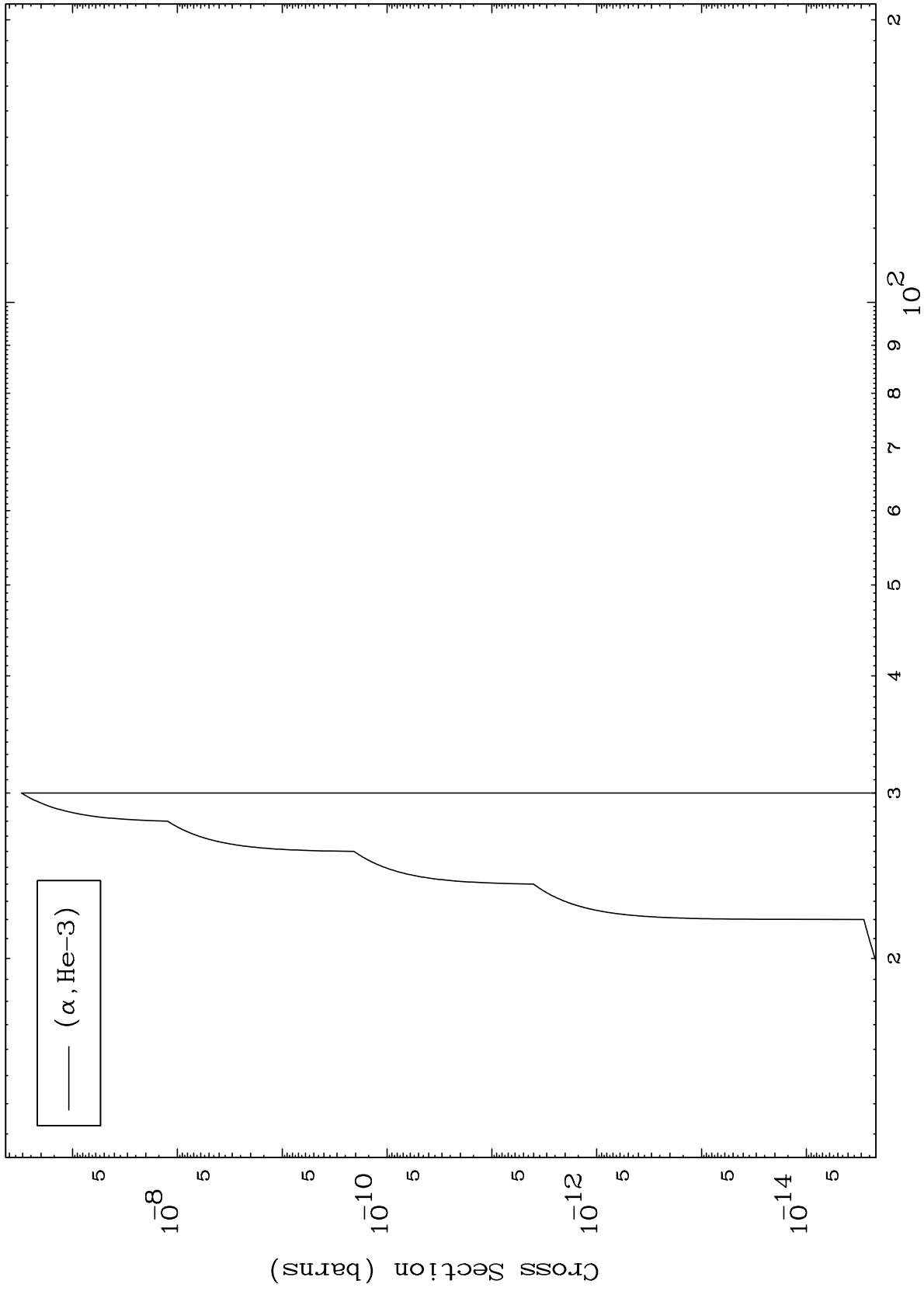
6

Incident Energy (MeV)

79-Au-196



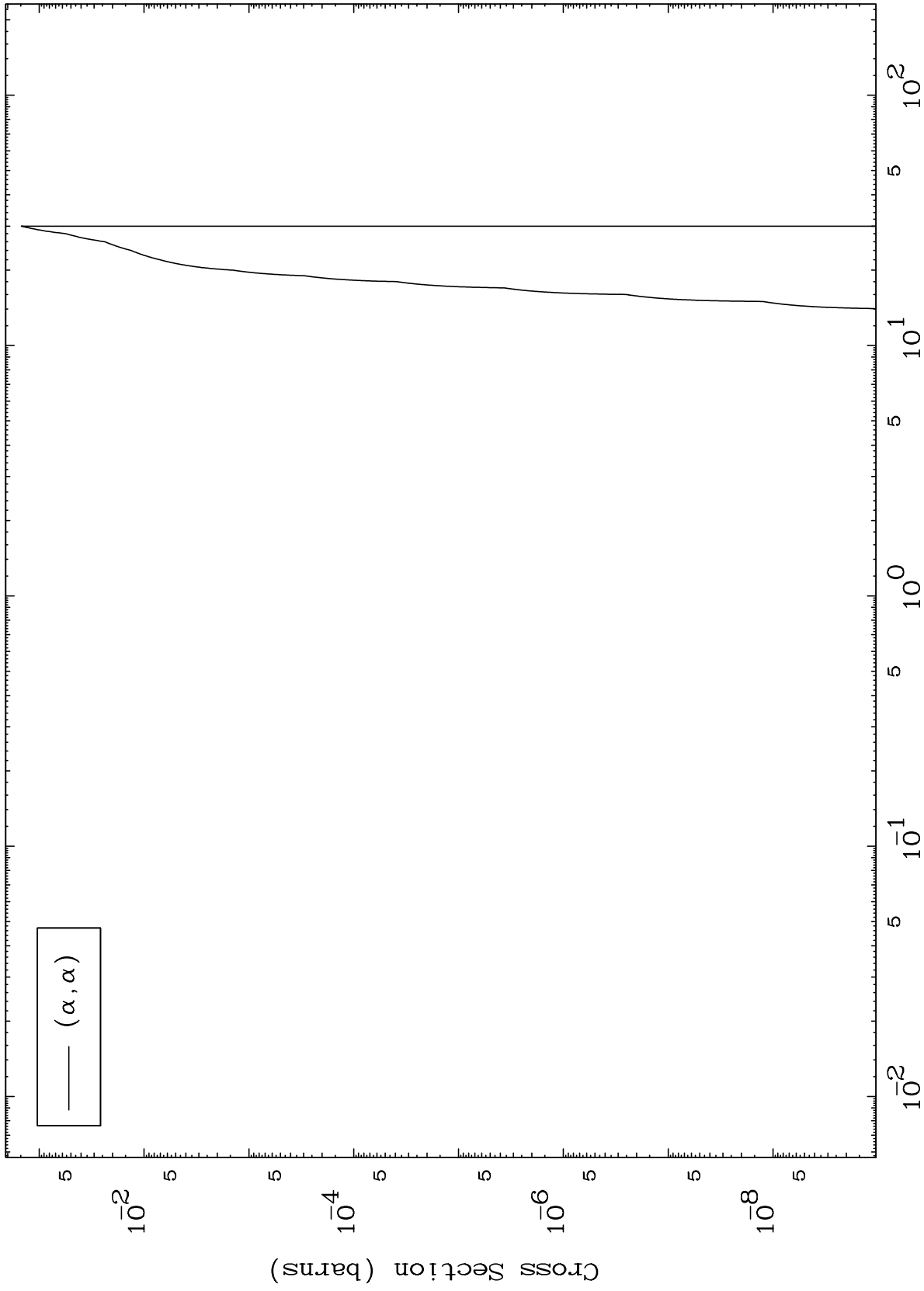




MAT 7922

(α, α) Levels
0 Kelvin Cross Sections

79-Au-196



10

Incident Energy (MeV)

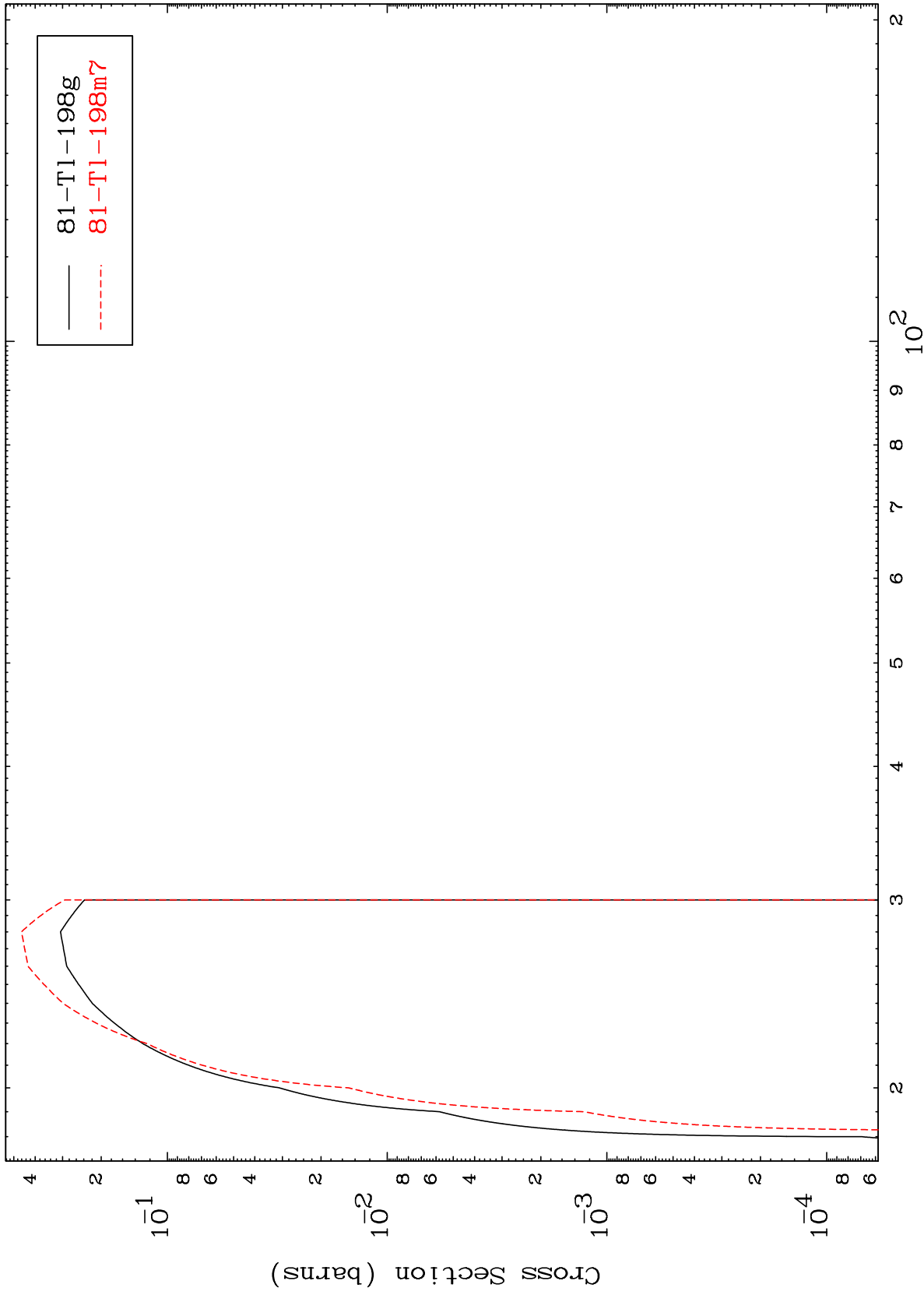
79-Au-196

MAT 7922

($\alpha, 2n$)

79-Au-196

Radionuclide Production Cross Section



11

Incident Energy (MeV)

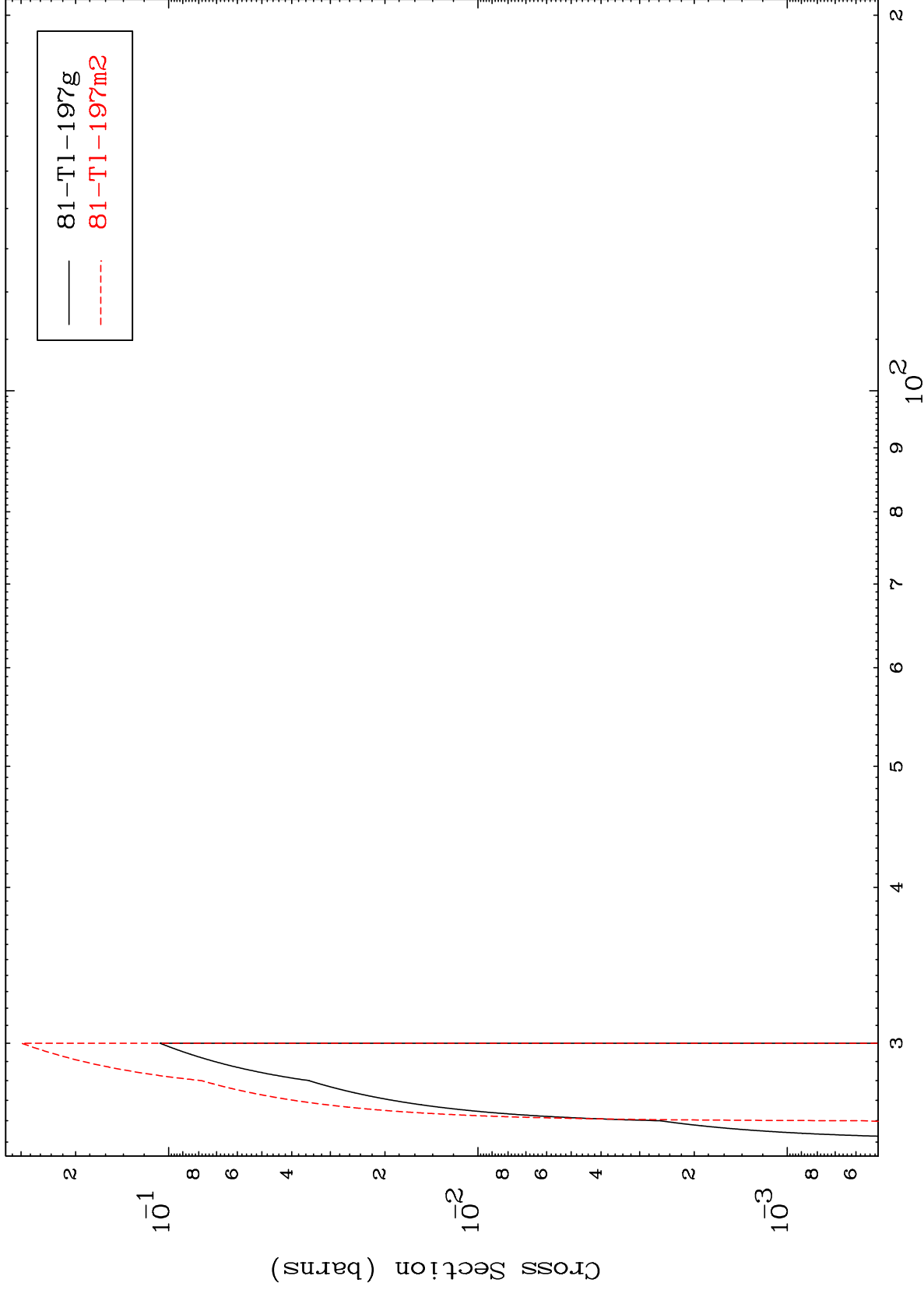
79-Au-196

MAT 7922

($\alpha, 3n$)

79-Au-196

Radionuclide Production Cross Section



12

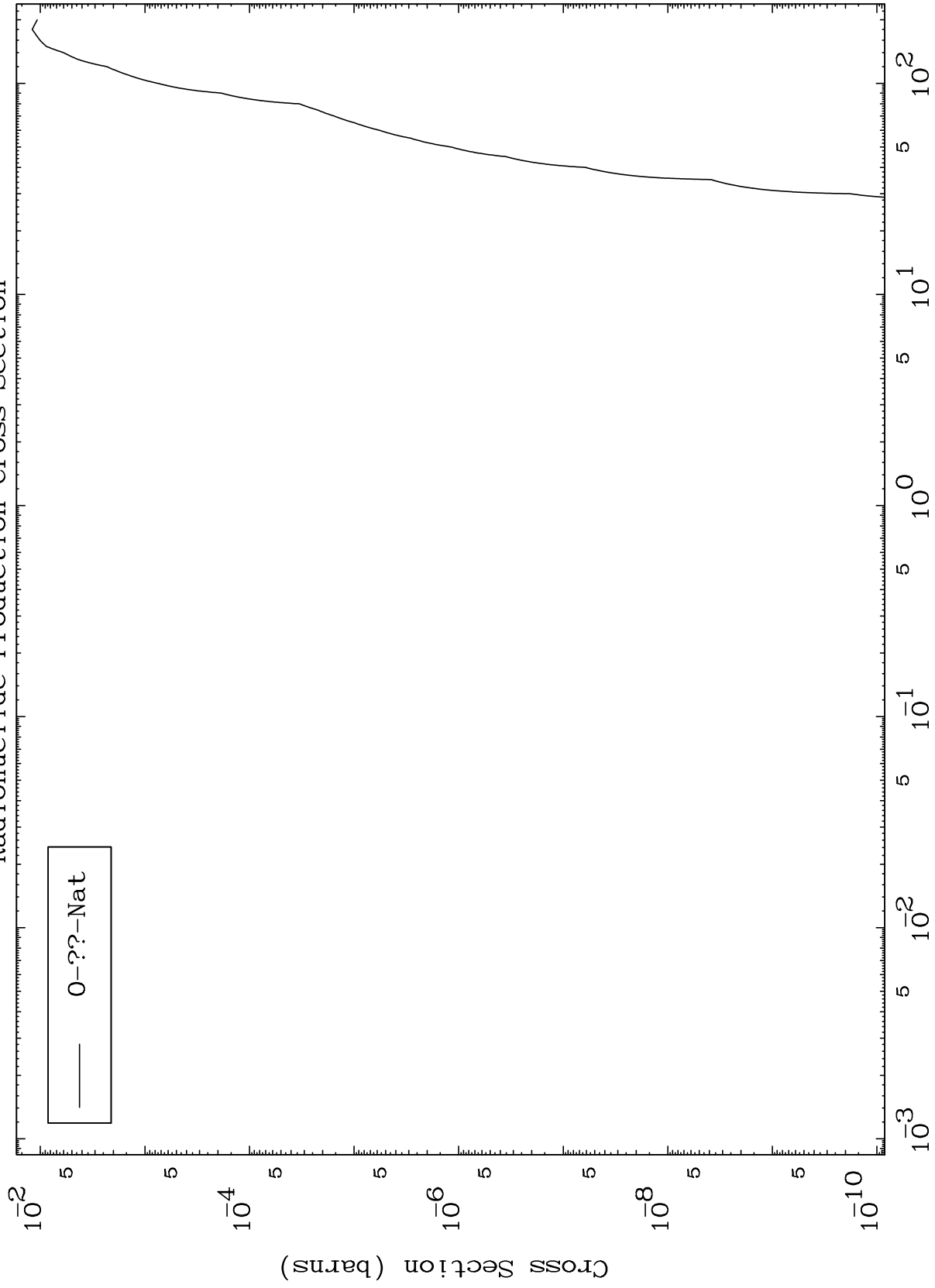
Incident Energy (MeV)

79-Au-196

MAT 7922

α Fission
Radionuclide Production Cross Section

79-Au-196



13

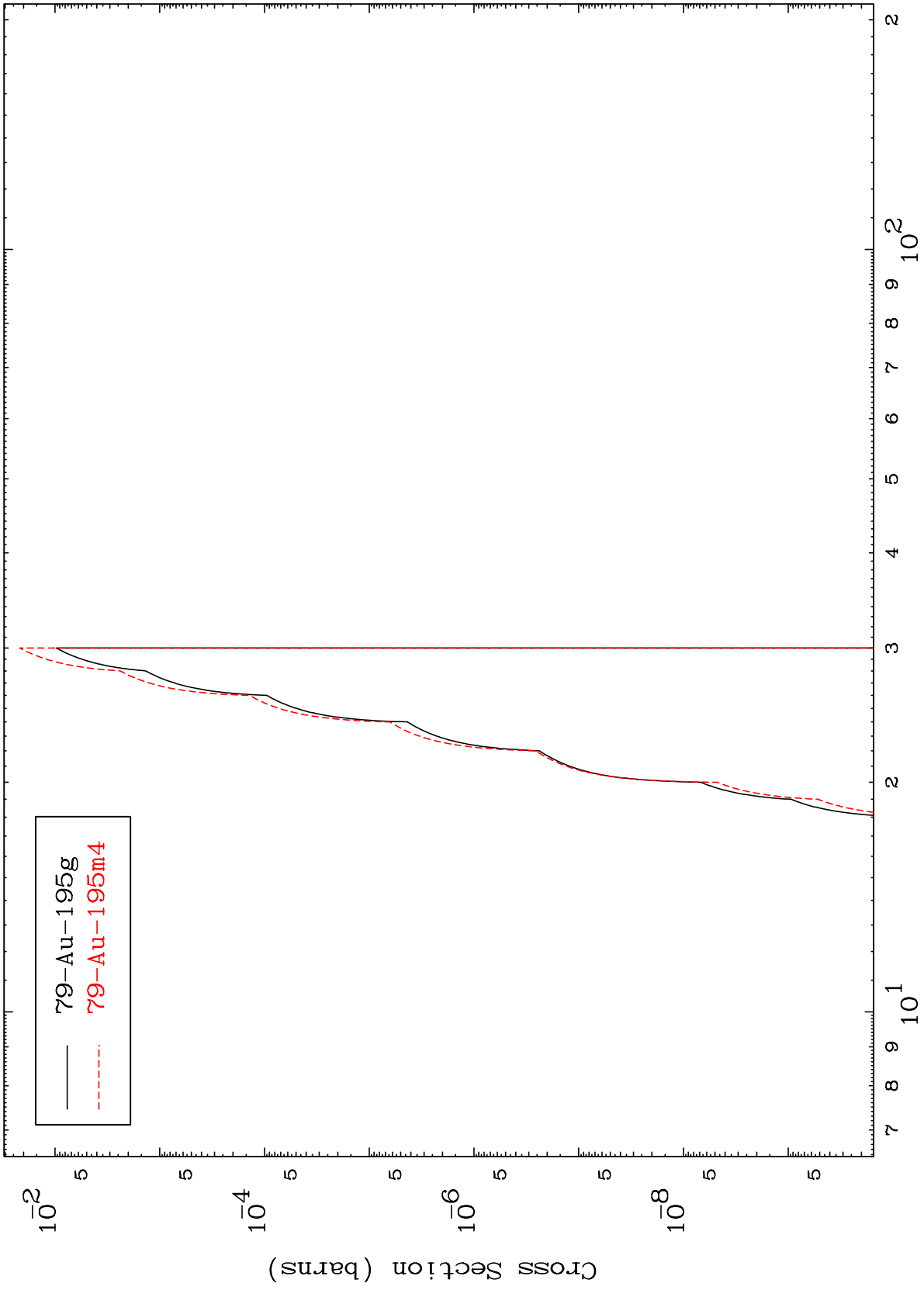
Incident Energy (MeV)

79-Au-196

MAT 7922

⁷⁹Au-196

(α, n') α
Radionuclide Production Cross Section



14

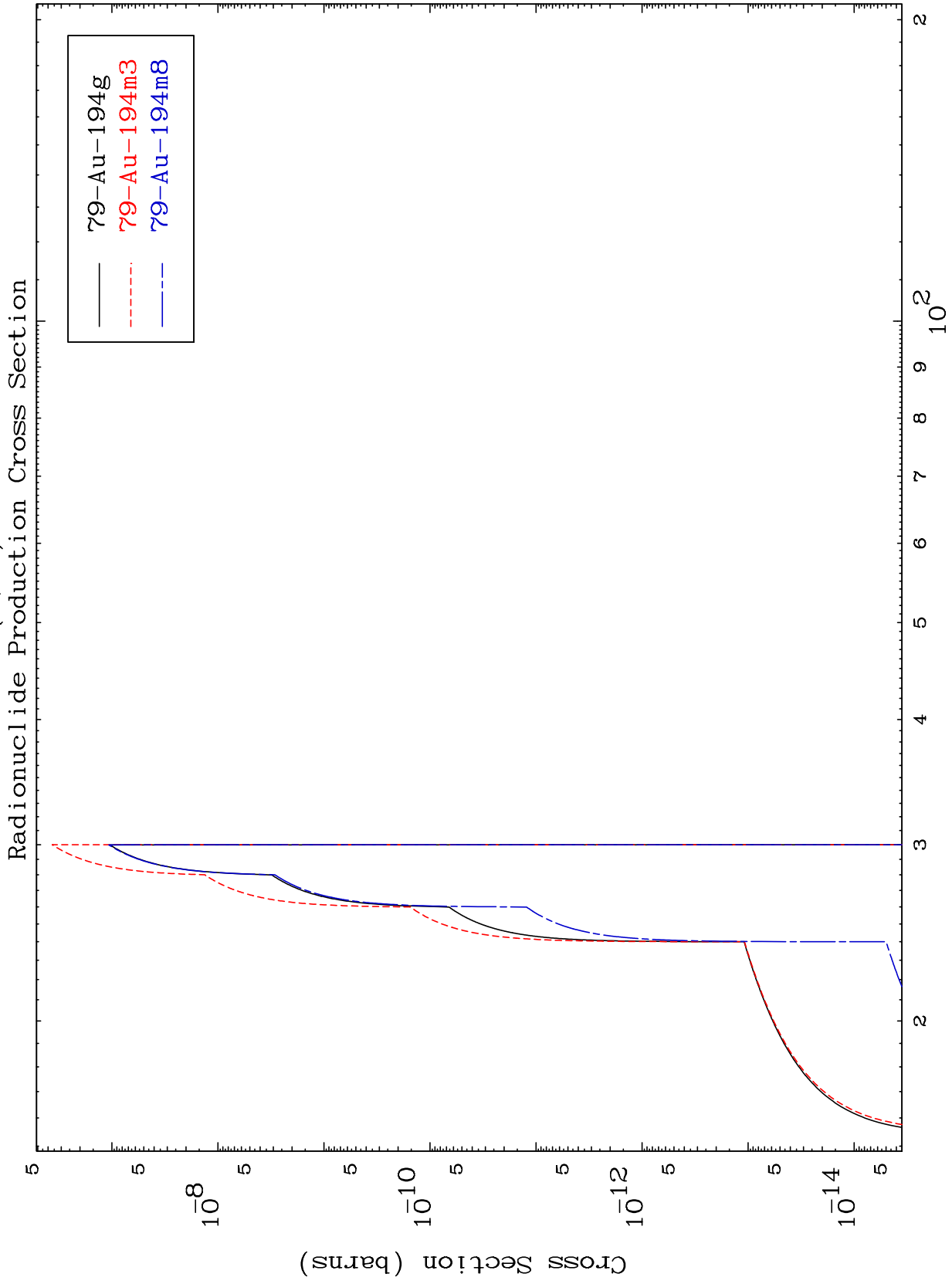
Incident Energy (MeV)

⁷⁹Au-196

MAT 7922

$(\alpha, 2n) \alpha$

$^{79}\text{Au-196}$



15

Incident Energy (MeV)

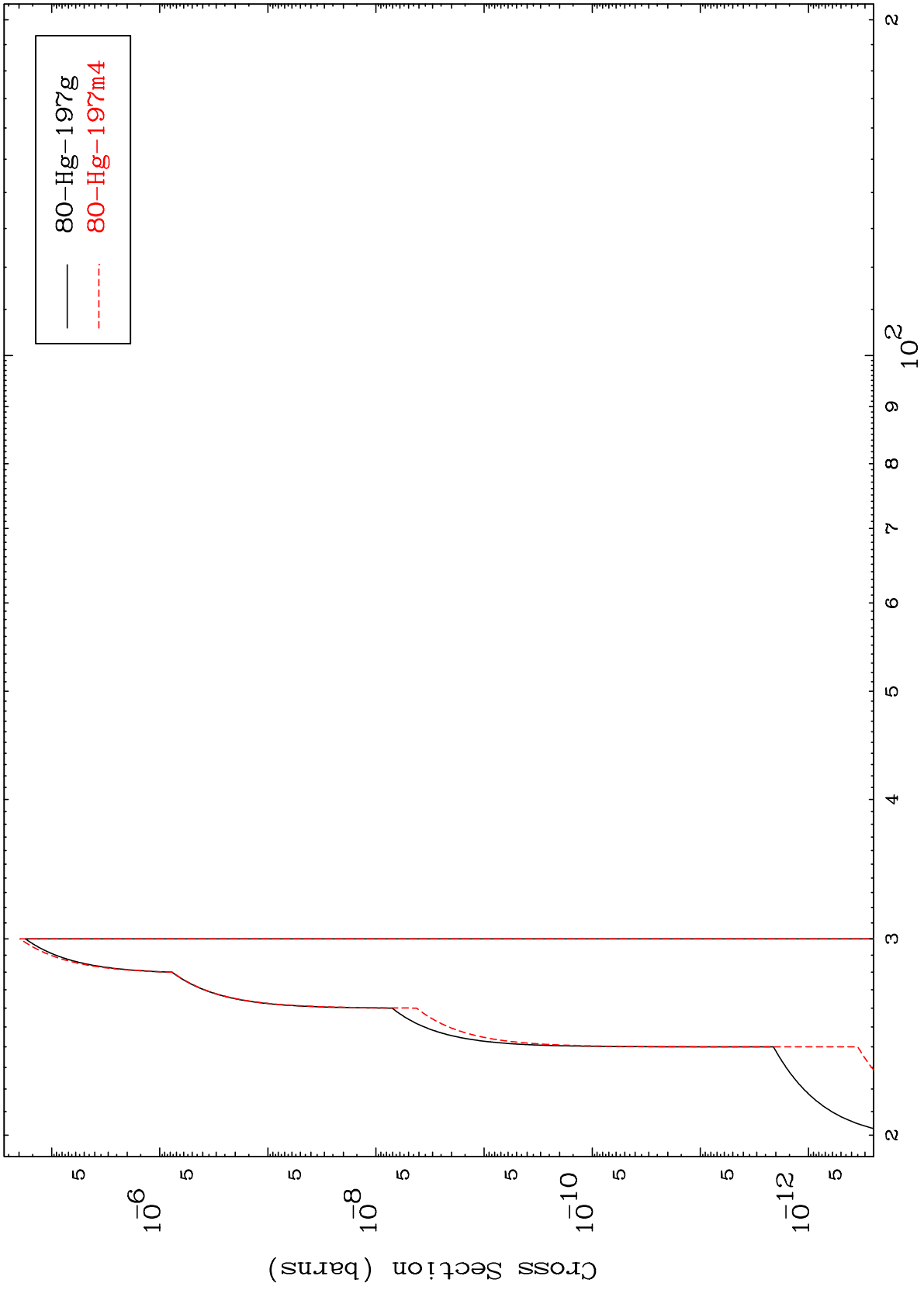
$^{79}\text{Au-196}$

MAT 7922

(α, n') d

79-Au-196

Radionuclide Production Cross Section



16

Incident Energy (MeV)

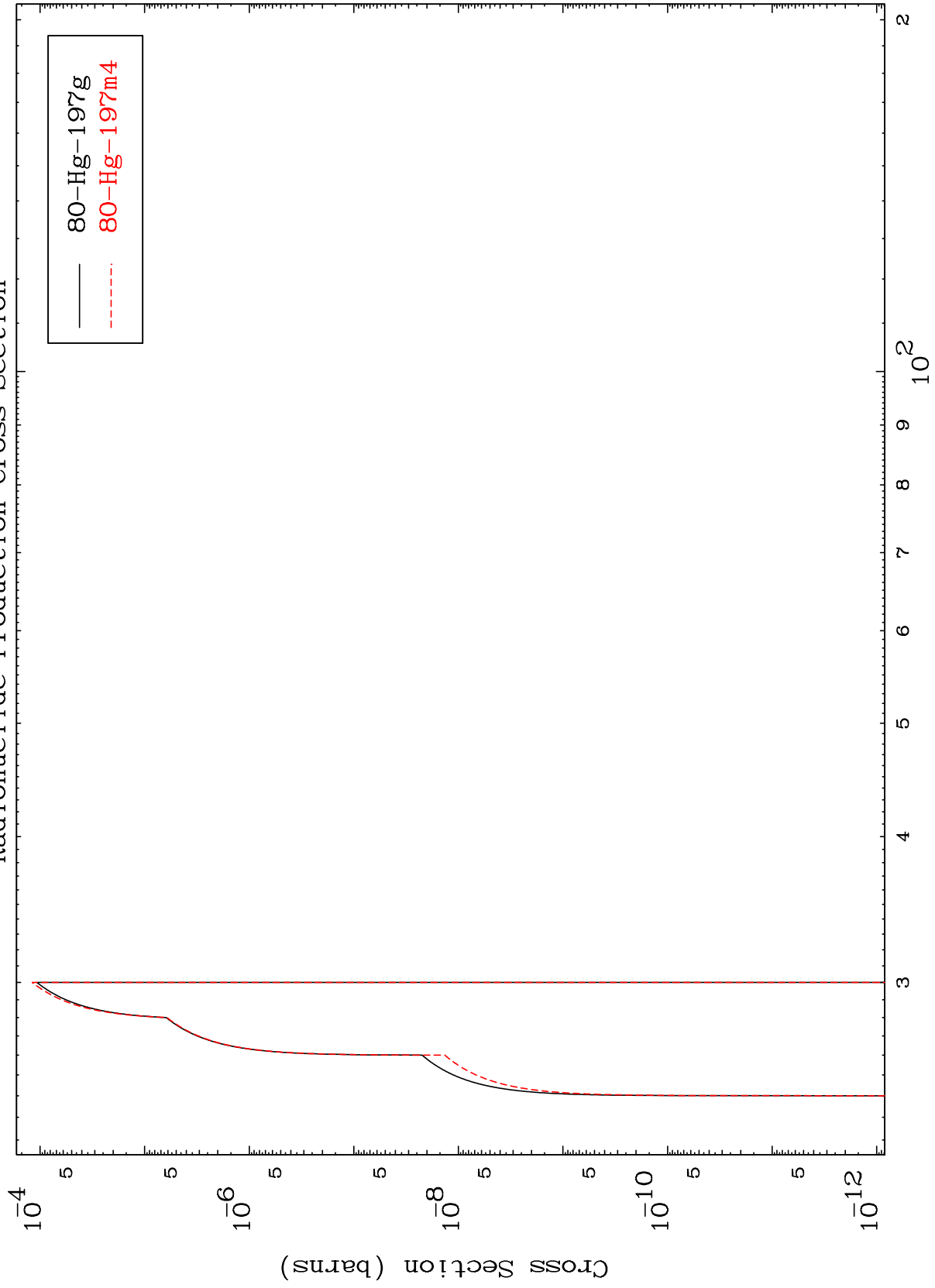
79-Au-196

MAT 7922

($\alpha, 2n$) p

79-Au-196

Radionuclide Production Cross Section



17

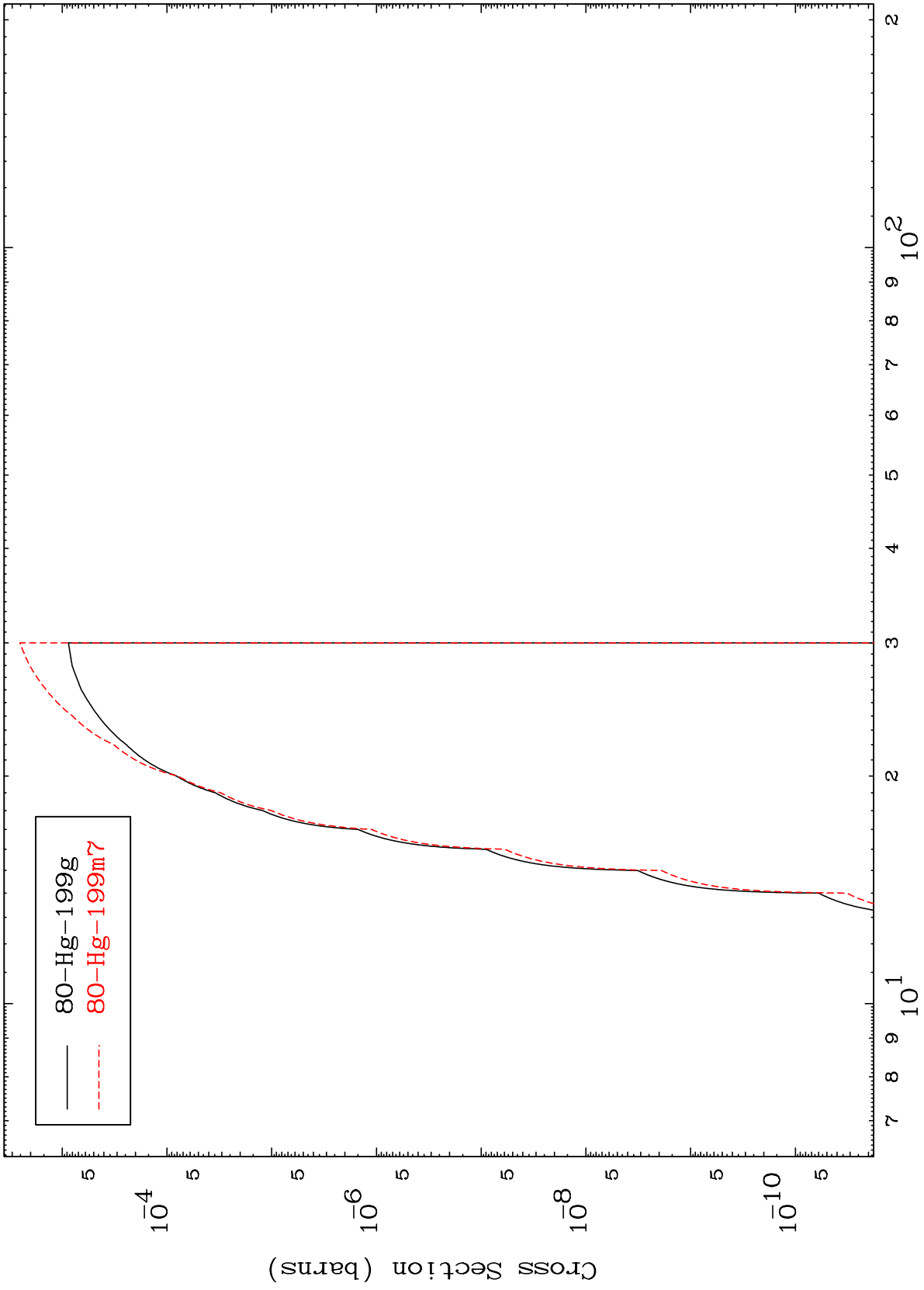
Incident Energy (MeV)

79-Au-196

MAT 7922

79-Au-196

(α, p)
Radionuclide Production Cross Section



18

Incident Energy (MeV)

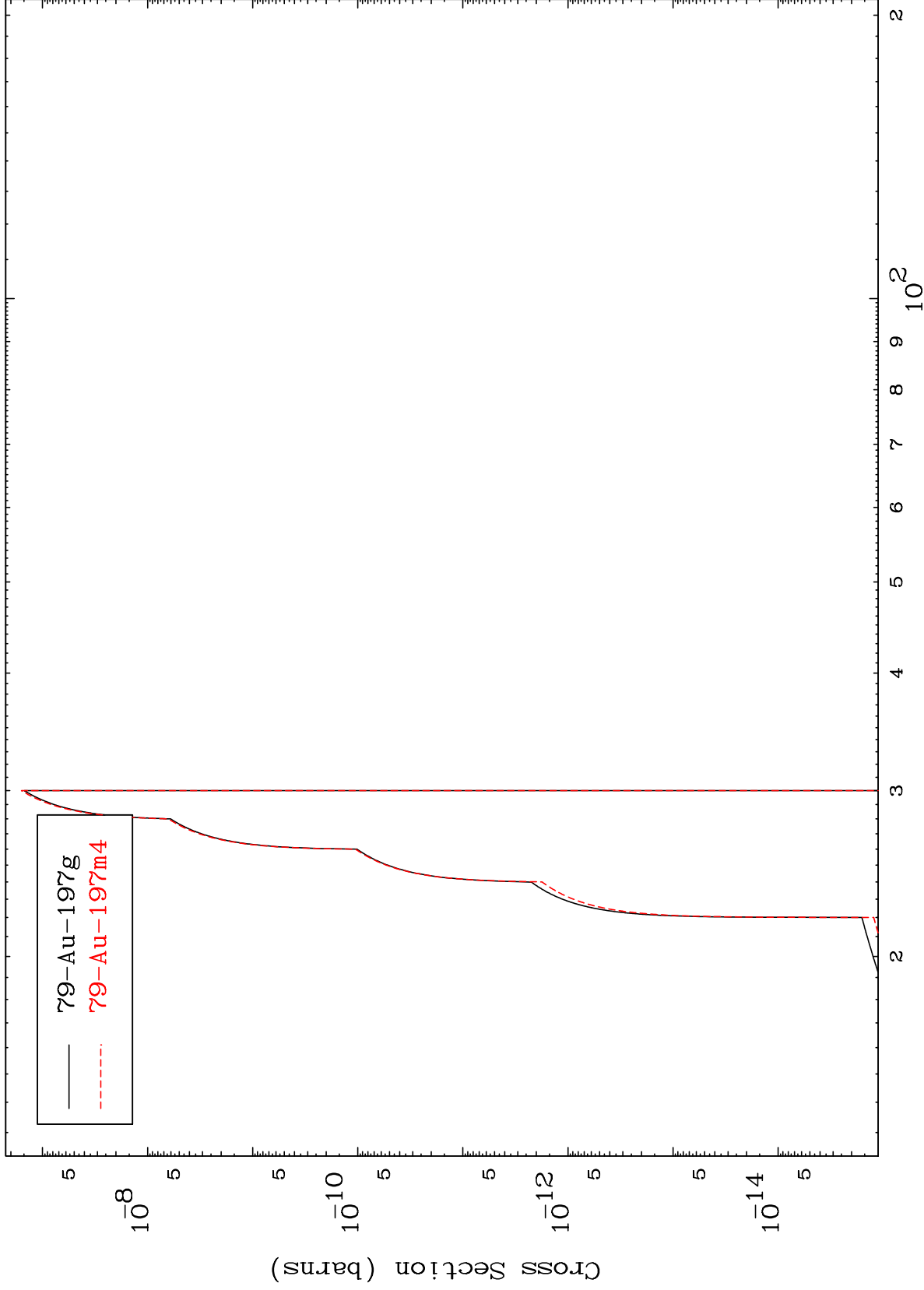
79-Au-196

MAT 7922

($\alpha, \text{He-3}$)

$^{79}\text{Au-196}$

Radionuclide Production Cross Section



20

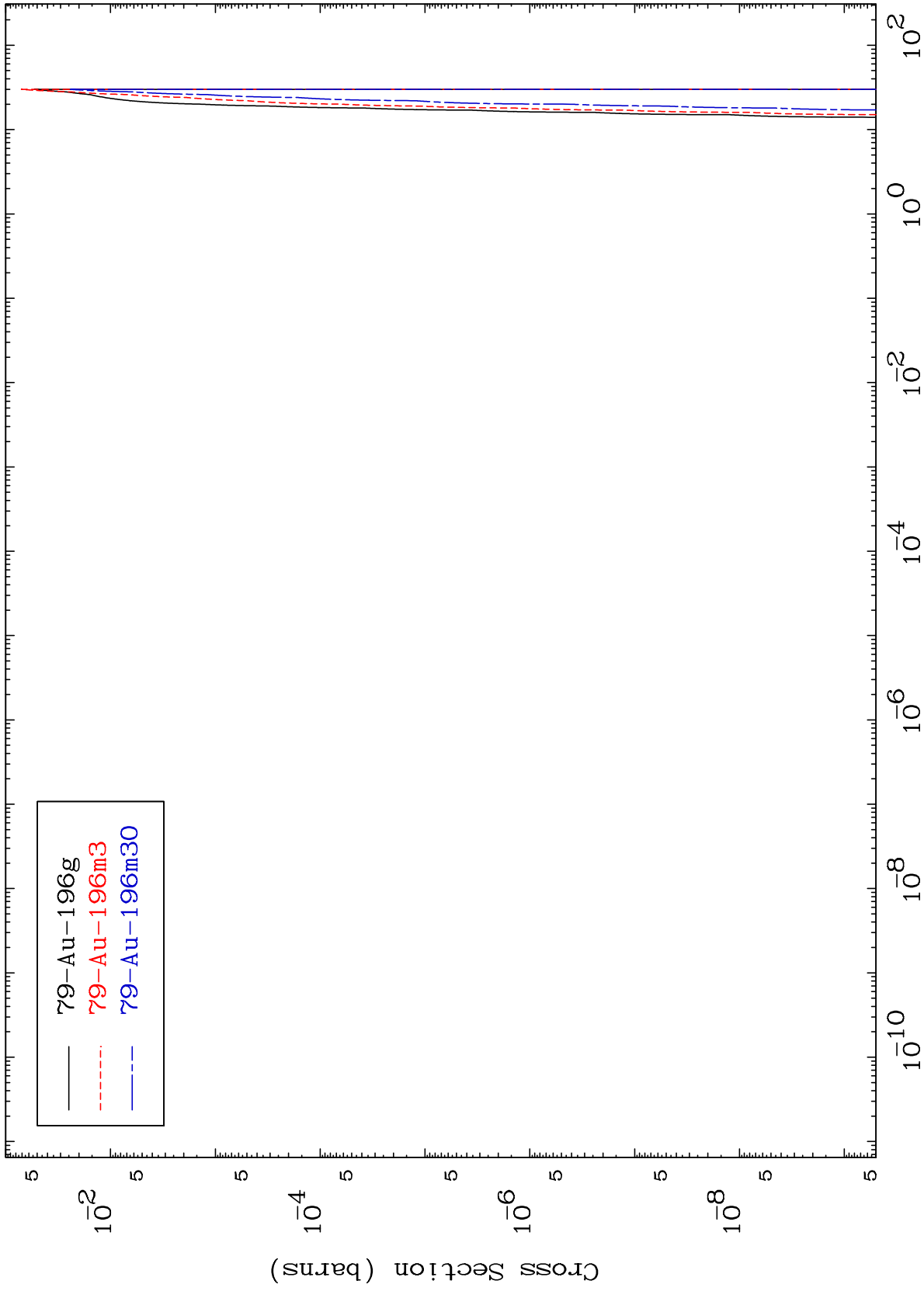
Incident Energy (MeV)

$^{79}\text{Au-196}$

MAT 7922

⁷⁹Au-196

(α, α)
Radionuclide Production Cross Section



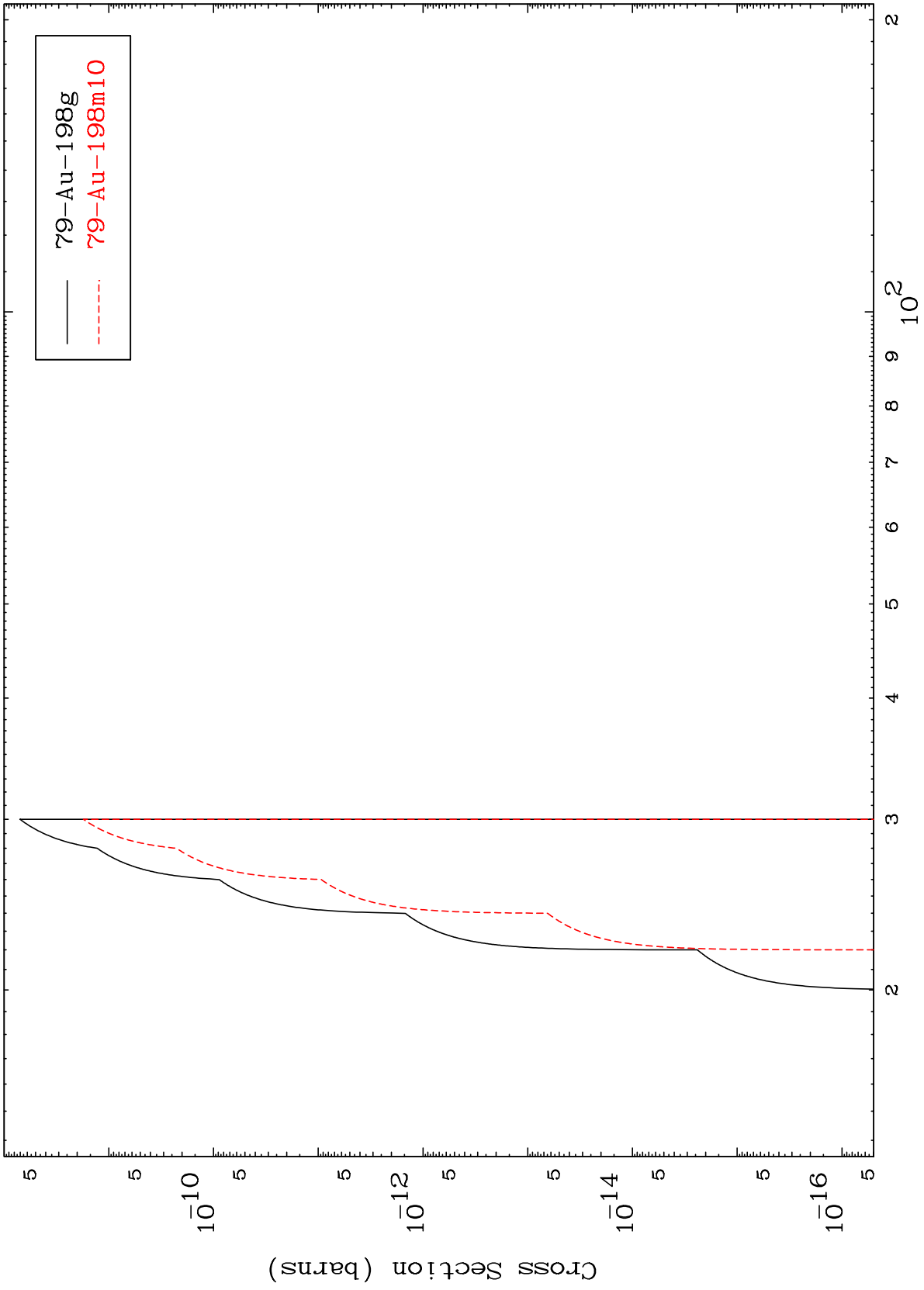
21

⁷⁹Au-196

MAT 7922

79-Au-196

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



22

79-Au-196

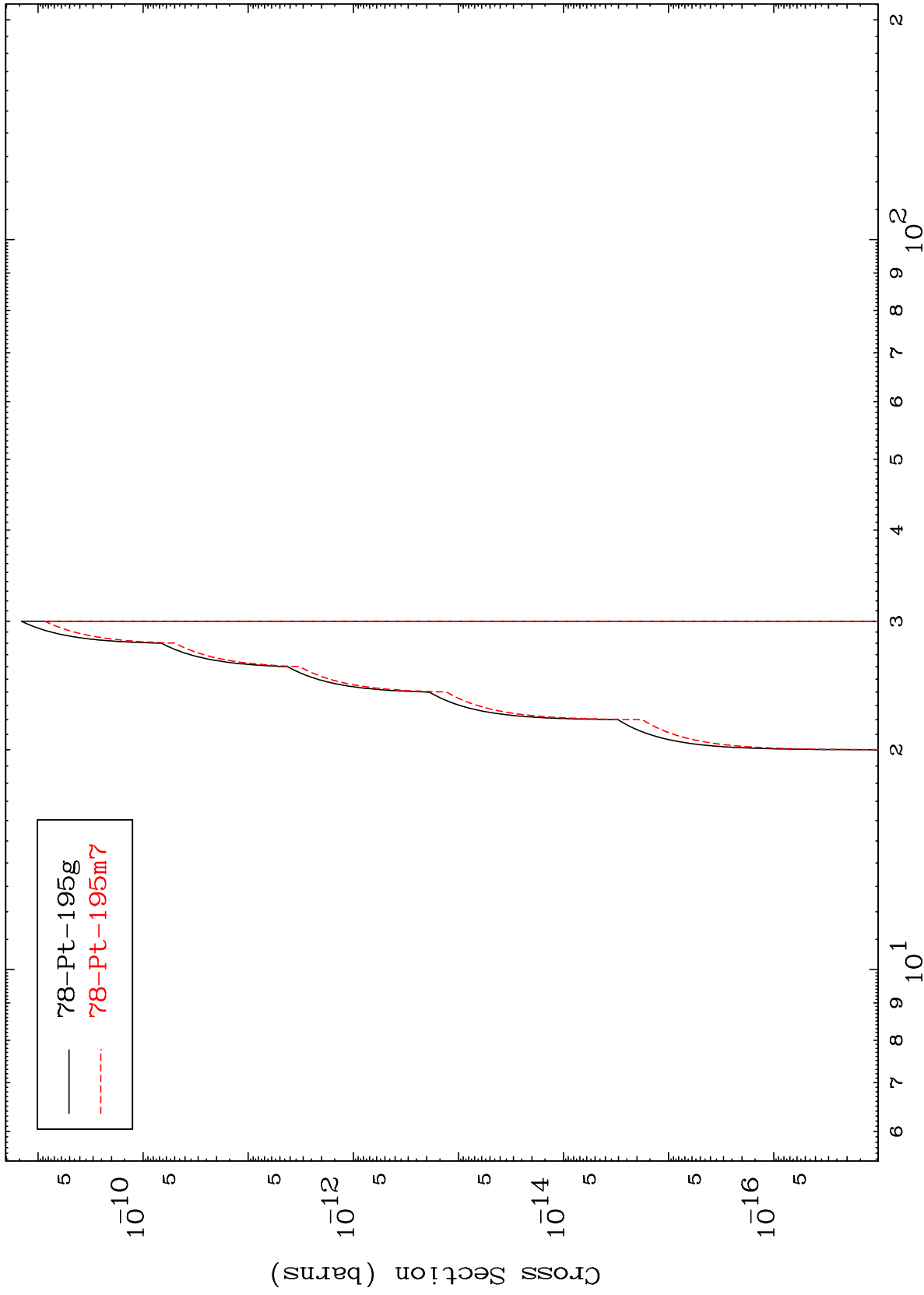
Incident Energy (MeV)

MAT 7922

(α, p) α

79-Au-196

Radionuclide Production Cross Section



23

Incident Energy (MeV)

79-Au-196