

Program EVALPLOT
(Version 2018-1)

by

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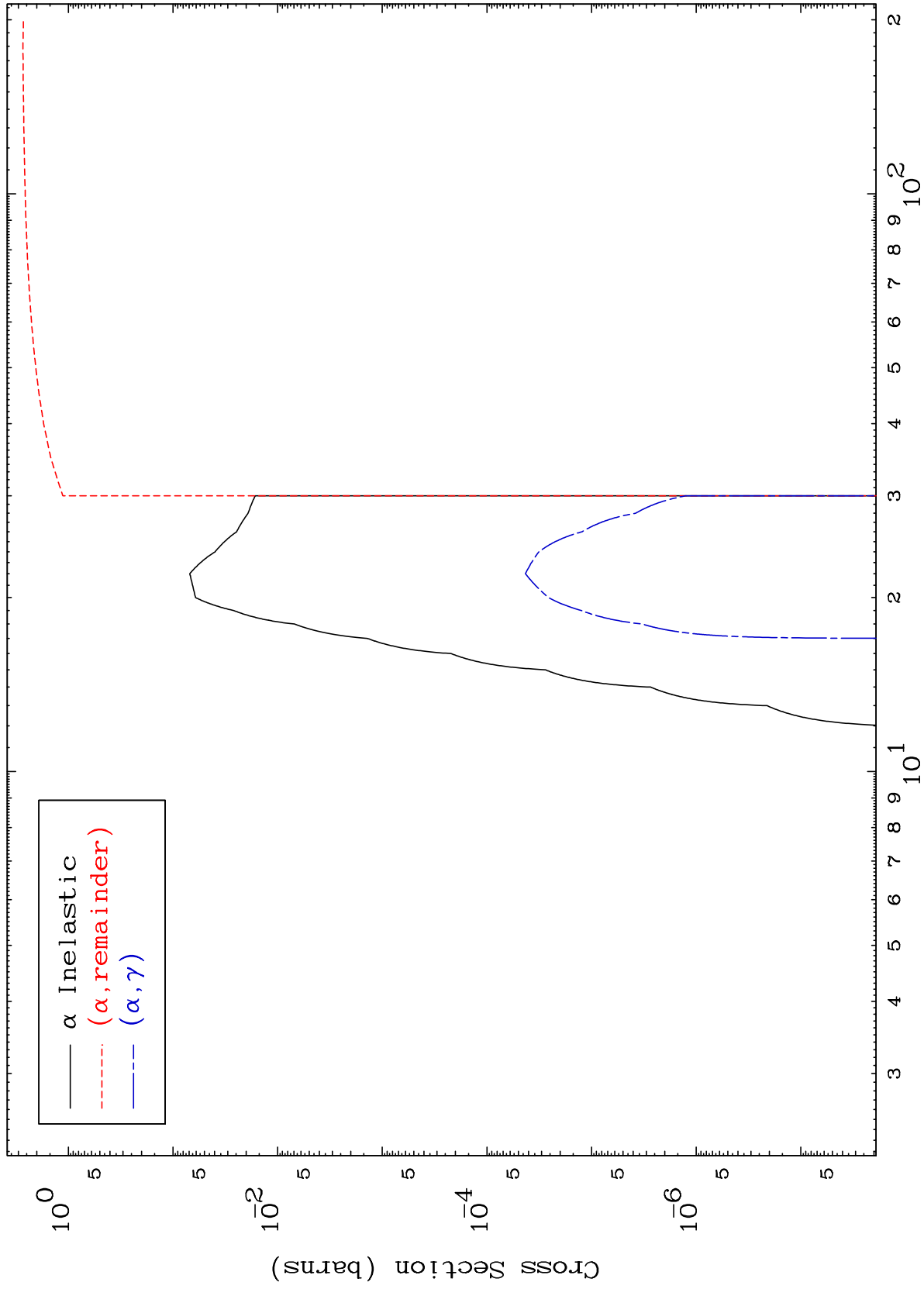
Press Mouse Button to Start

MAT 7916

α Major

0 Kelvin Cross Sections

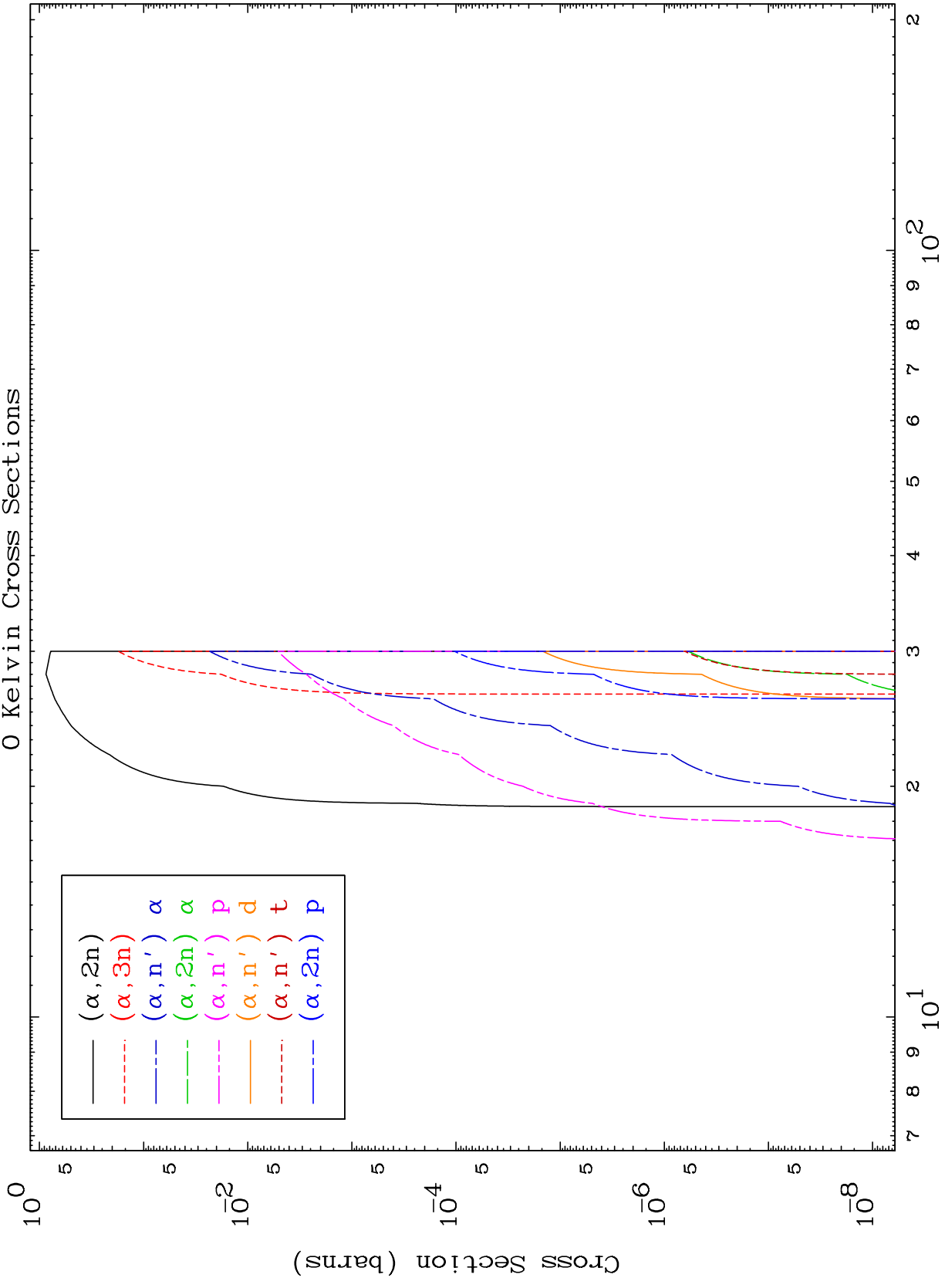
79-Au-194



MAT 7916

α Neutron Production
0 Kelvin Cross Sections

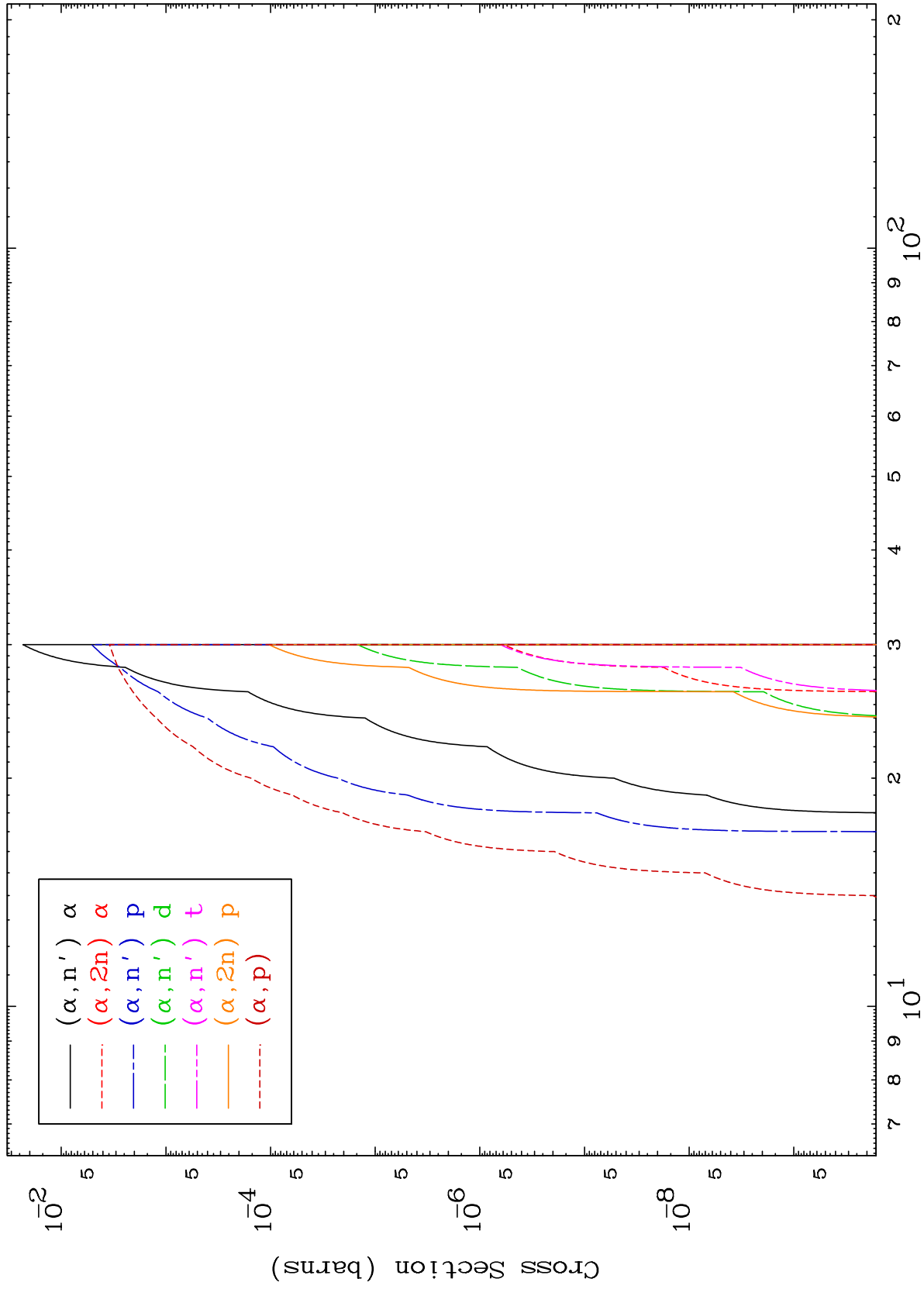
79-Au-194



2

Incident Energy (MeV)

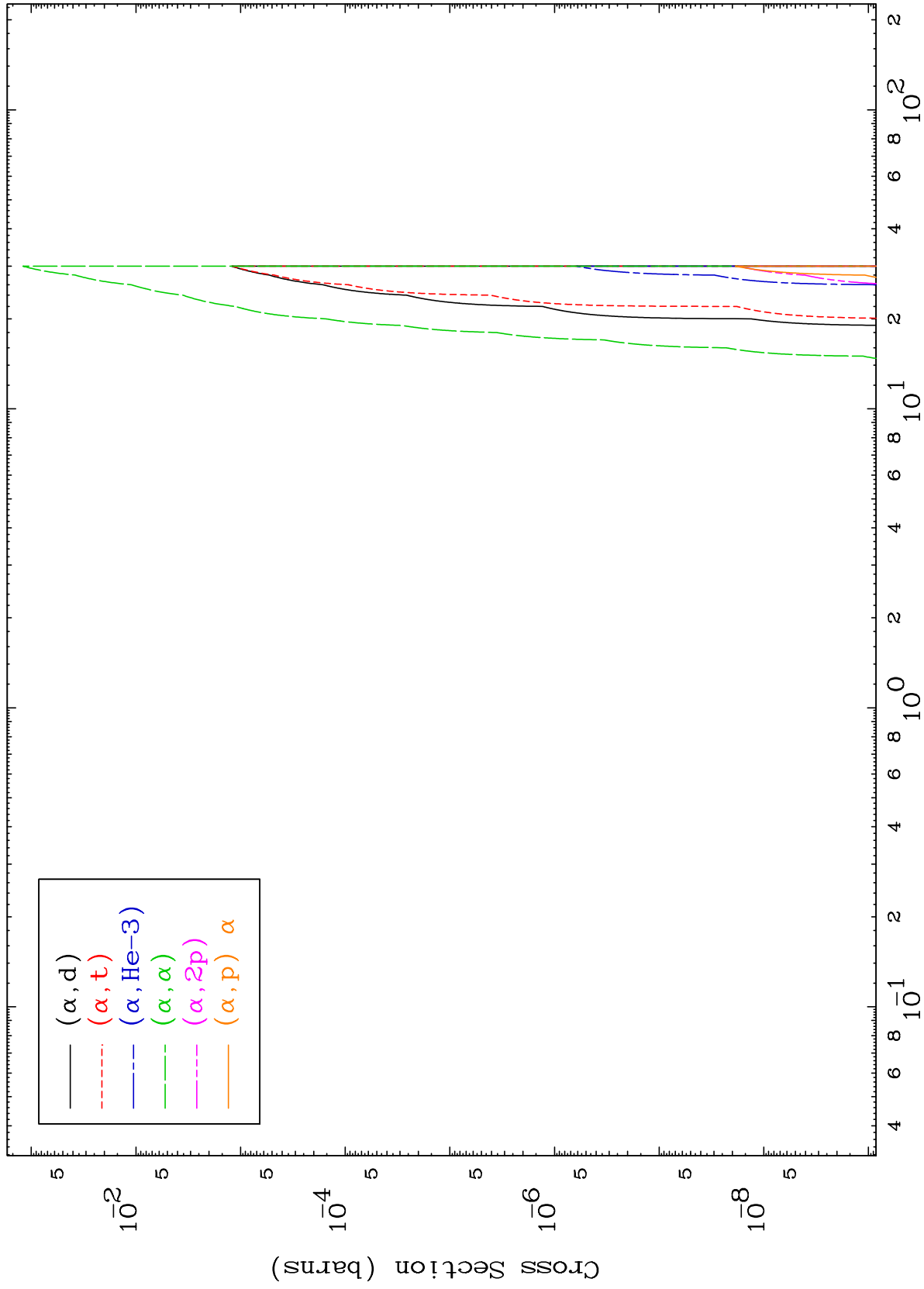
79-Au-194



MAT 7916

α Charged Particle
0 Kelvin Cross Sections

79-Au-194



4

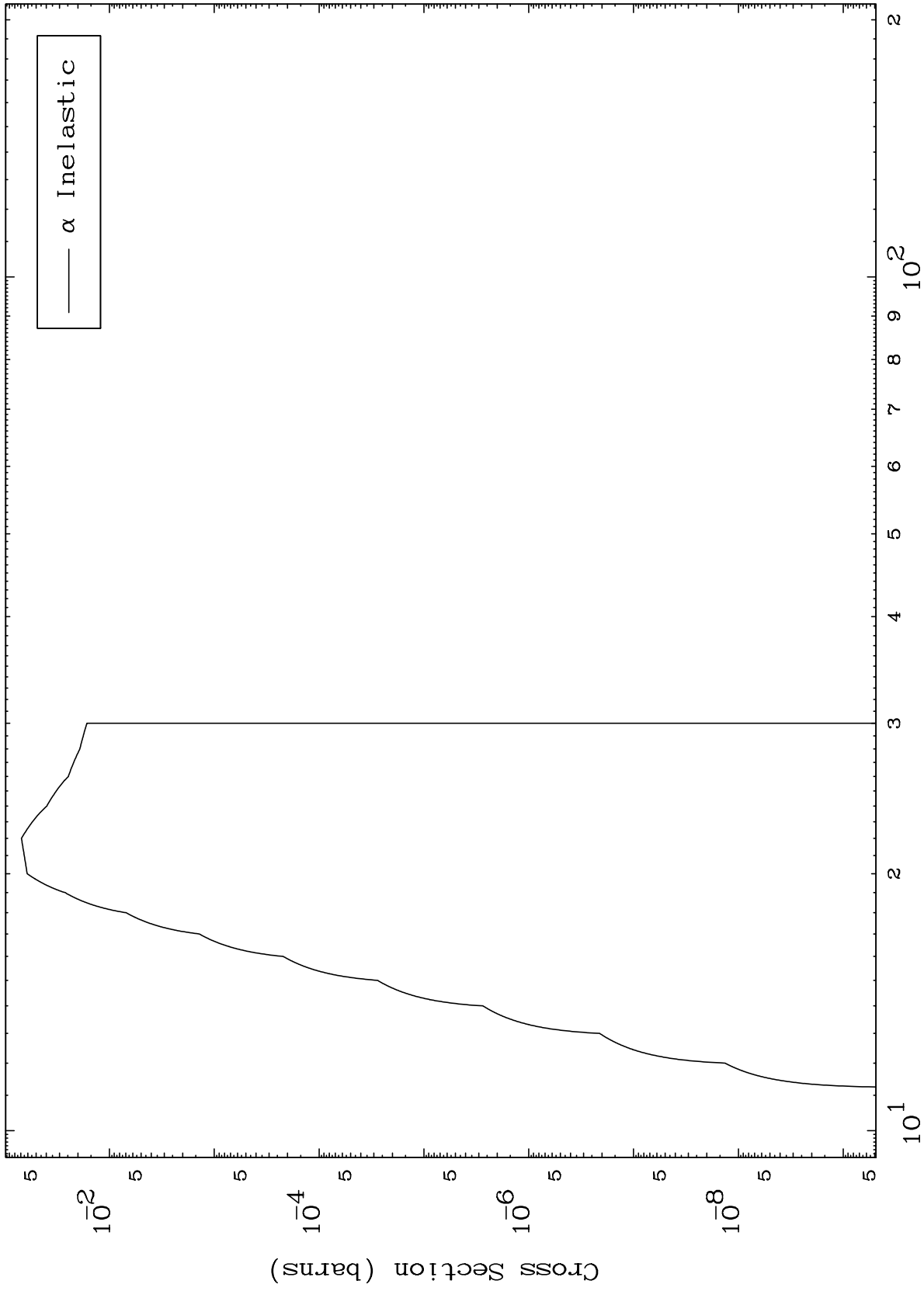
Incident Energy (MeV)

79-Au-194

MAT 7916

(α, n') Level
0 Kelvin Cross Sections

79-Au-194



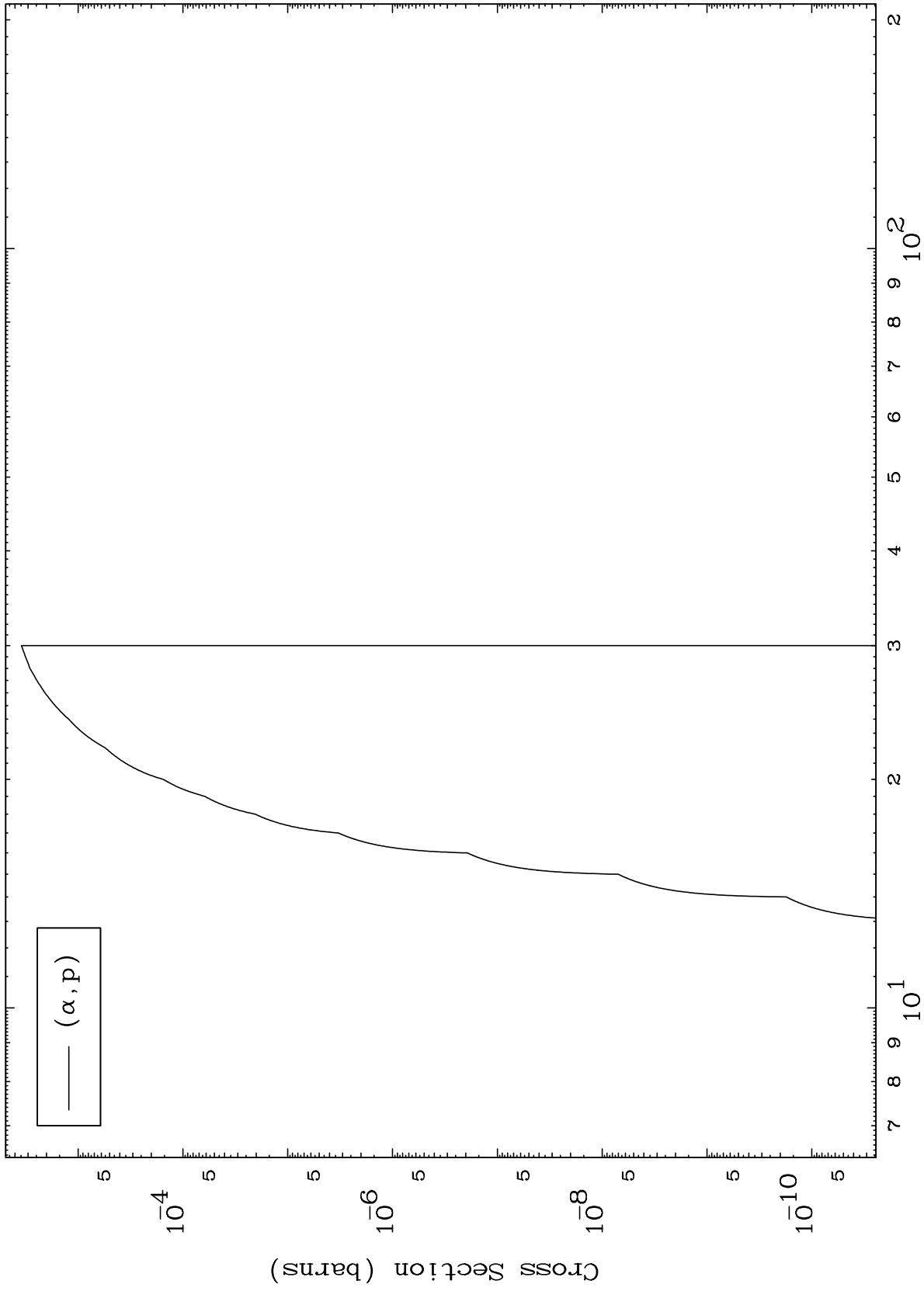
Incident Energy (MeV)

79-Au-194

MAT 7916

(α, p) Levels
0 Kelvin Cross Sections

79-Au-194



6

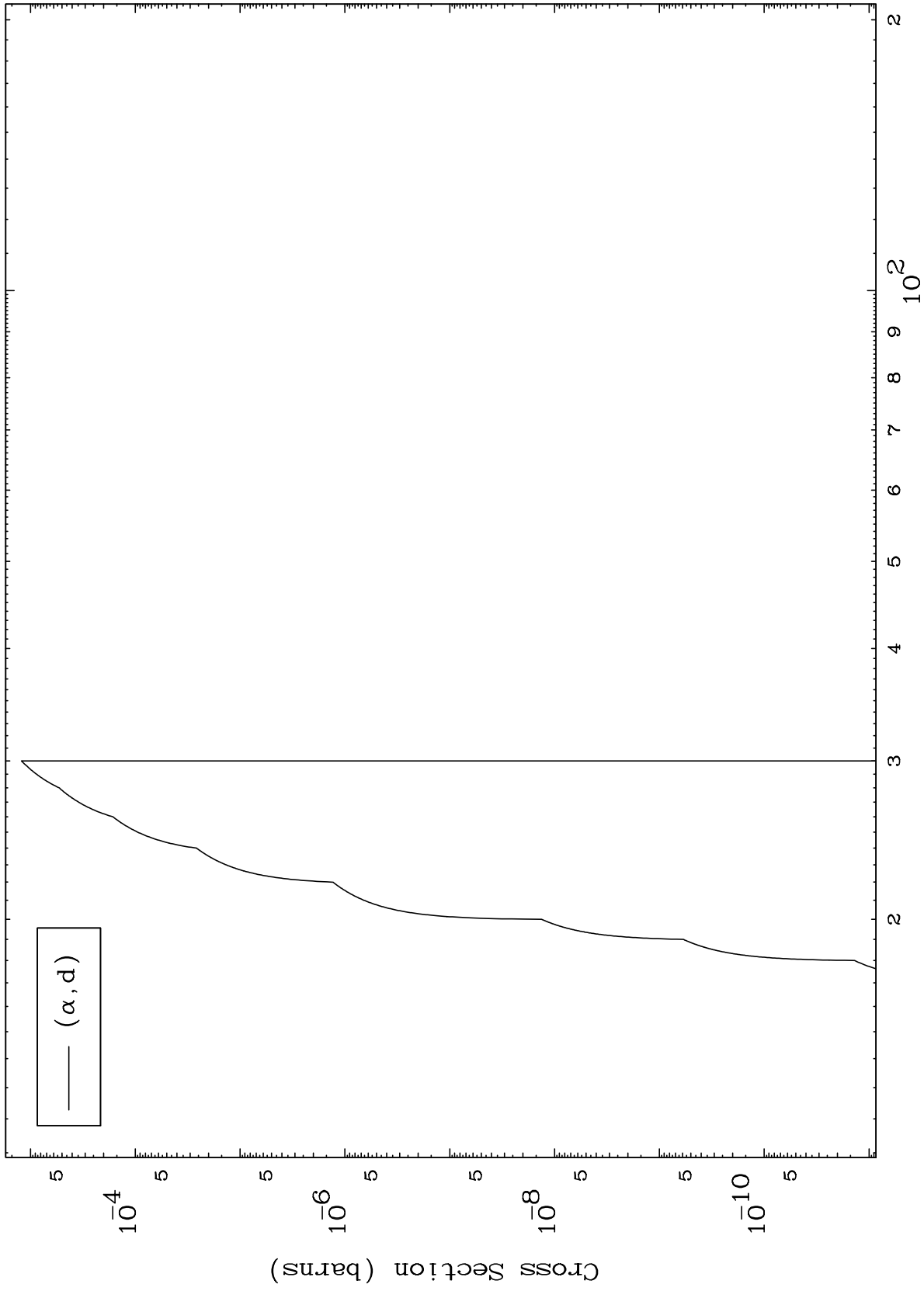
Incident Energy (MeV)

79-Au-194

MAT 7916

(α, d) Levels
0 Kelvin Cross Sections

79-Au-194



7

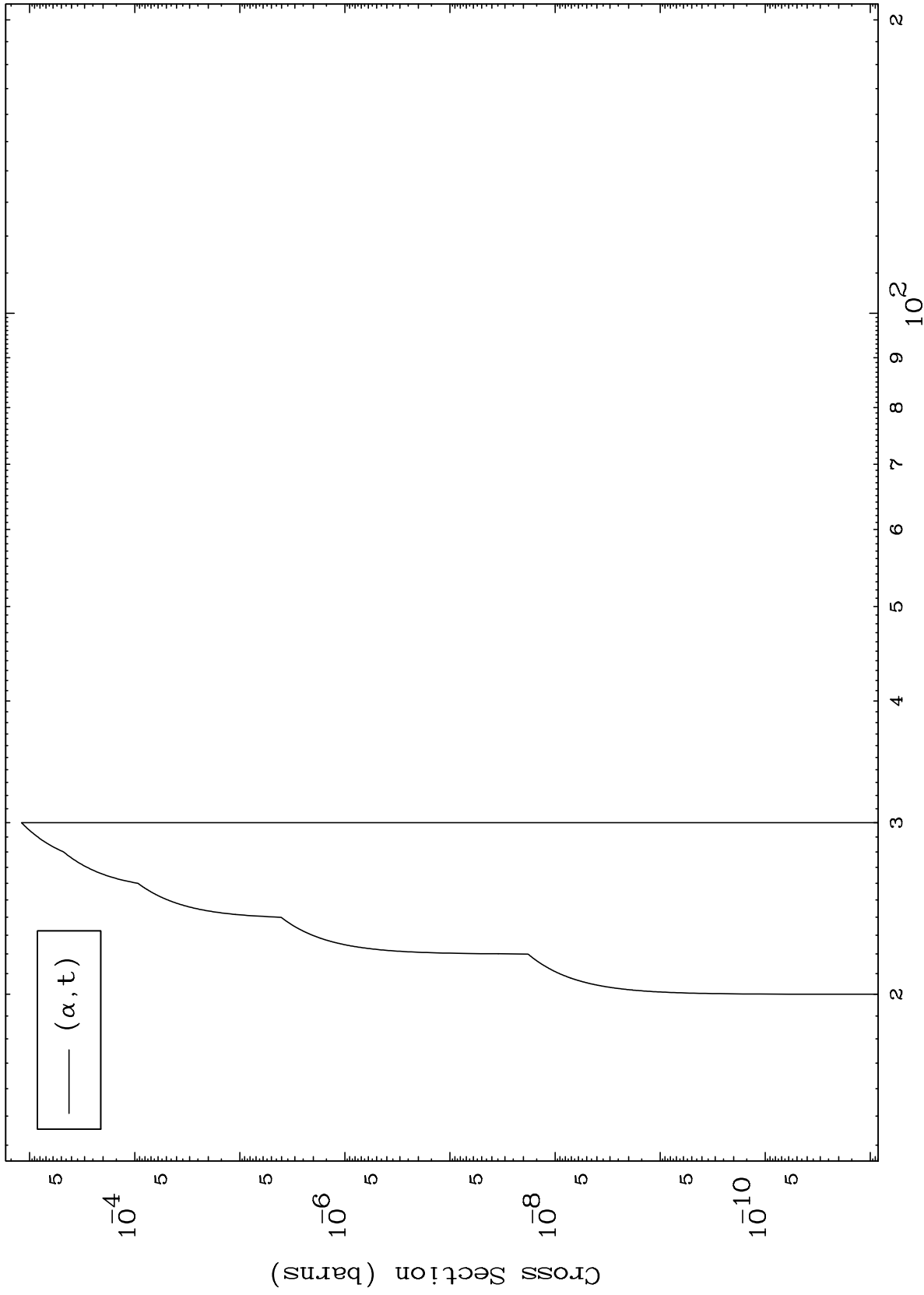
Incident Energy (MeV)

79-Au-194

MAT 7916

(α, t) Levels
0 Kelvin Cross Sections

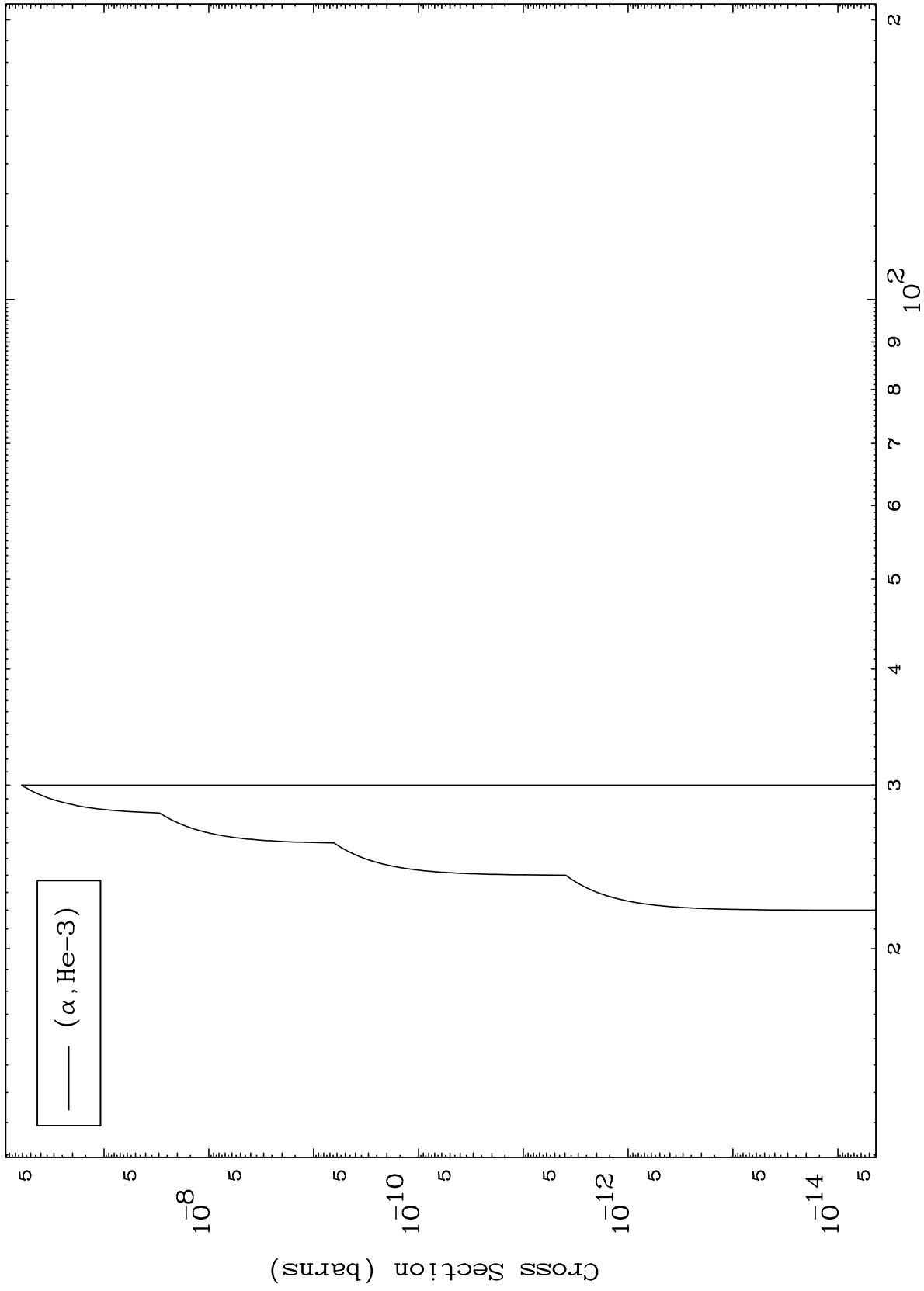
79-Au-194



8

Incident Energy (MeV)

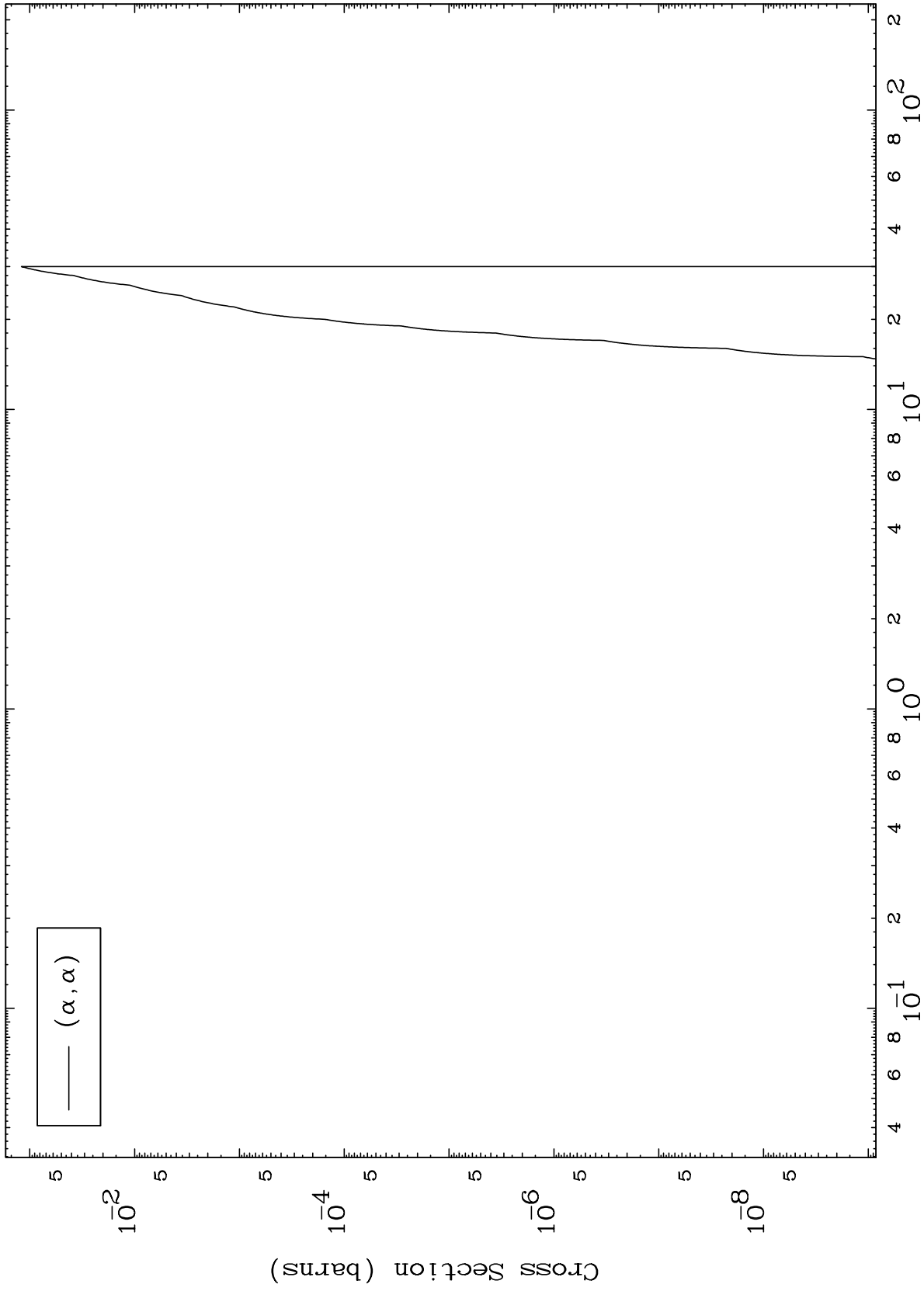
79-Au-194



MAT 7916

(α, α) Levels
0 Kelvin Cross Sections

79-Au-194



10

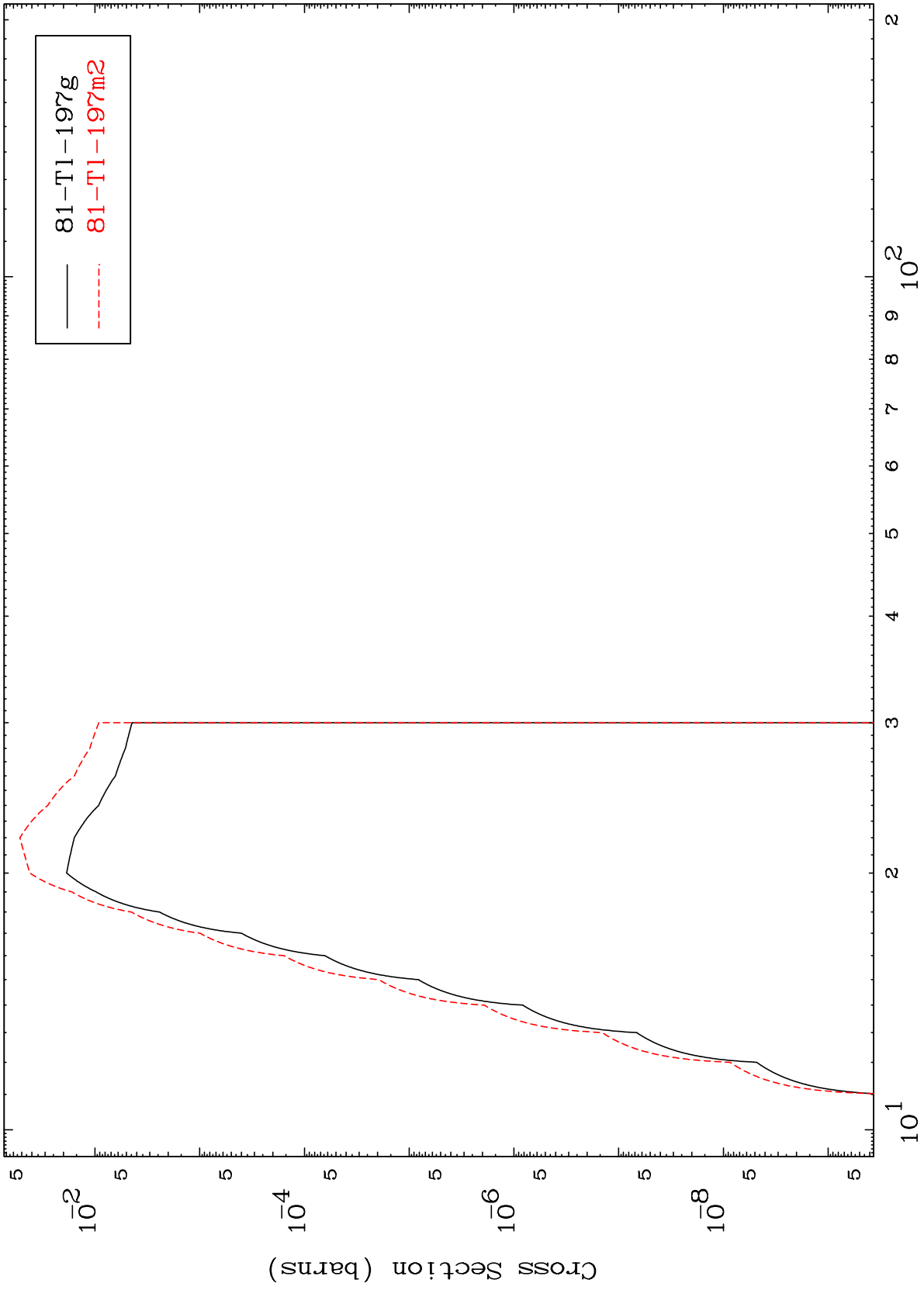
Incident Energy (MeV)

79-Au-194

MAT 7916

Radionuclide Production Cross Section

79-Au-194



11

Incident Energy (MeV)

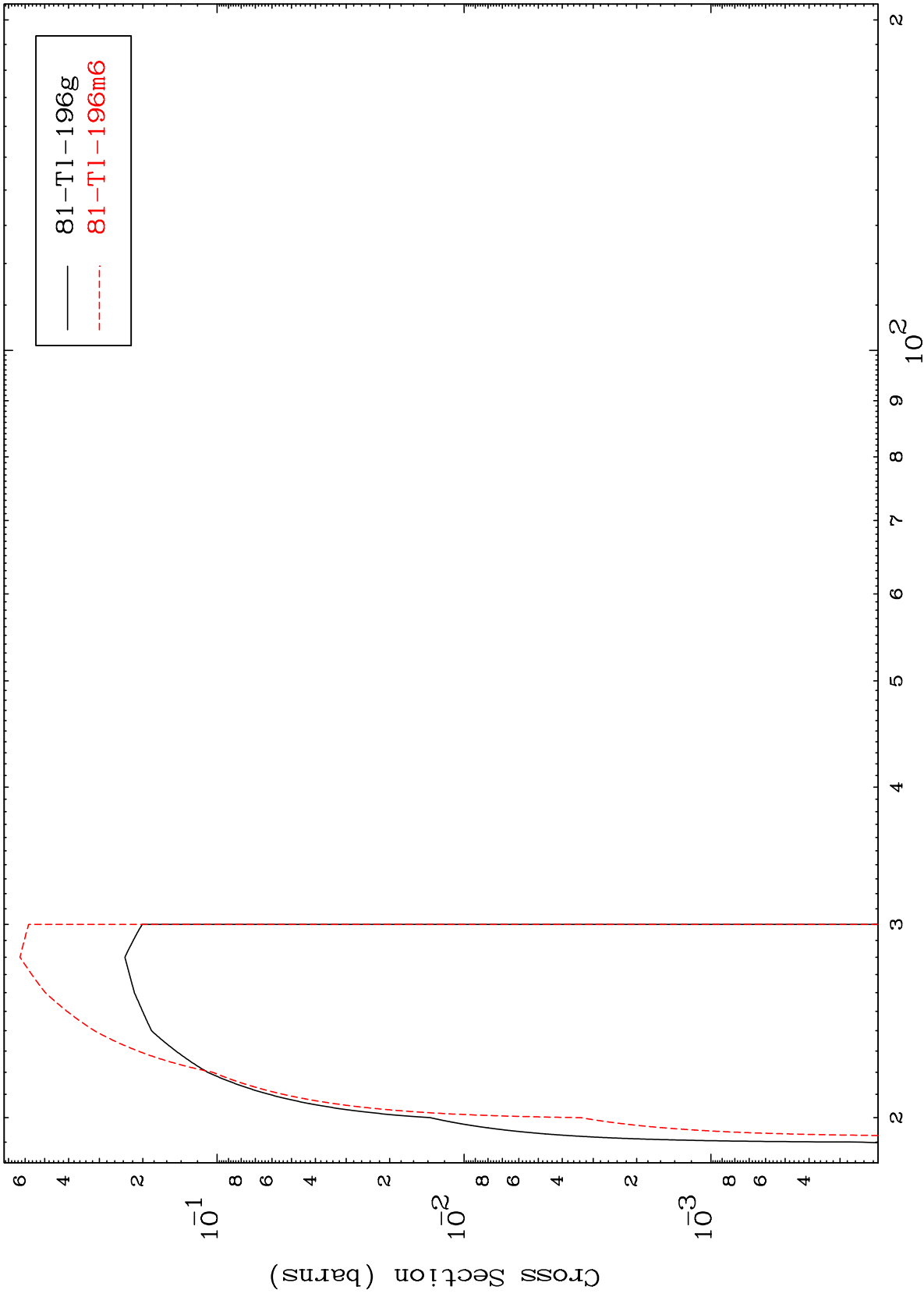
79-Au-194

MAT 7916

($\alpha, 2n$)

79-Au-194

Radionuclide Production Cross Section



12

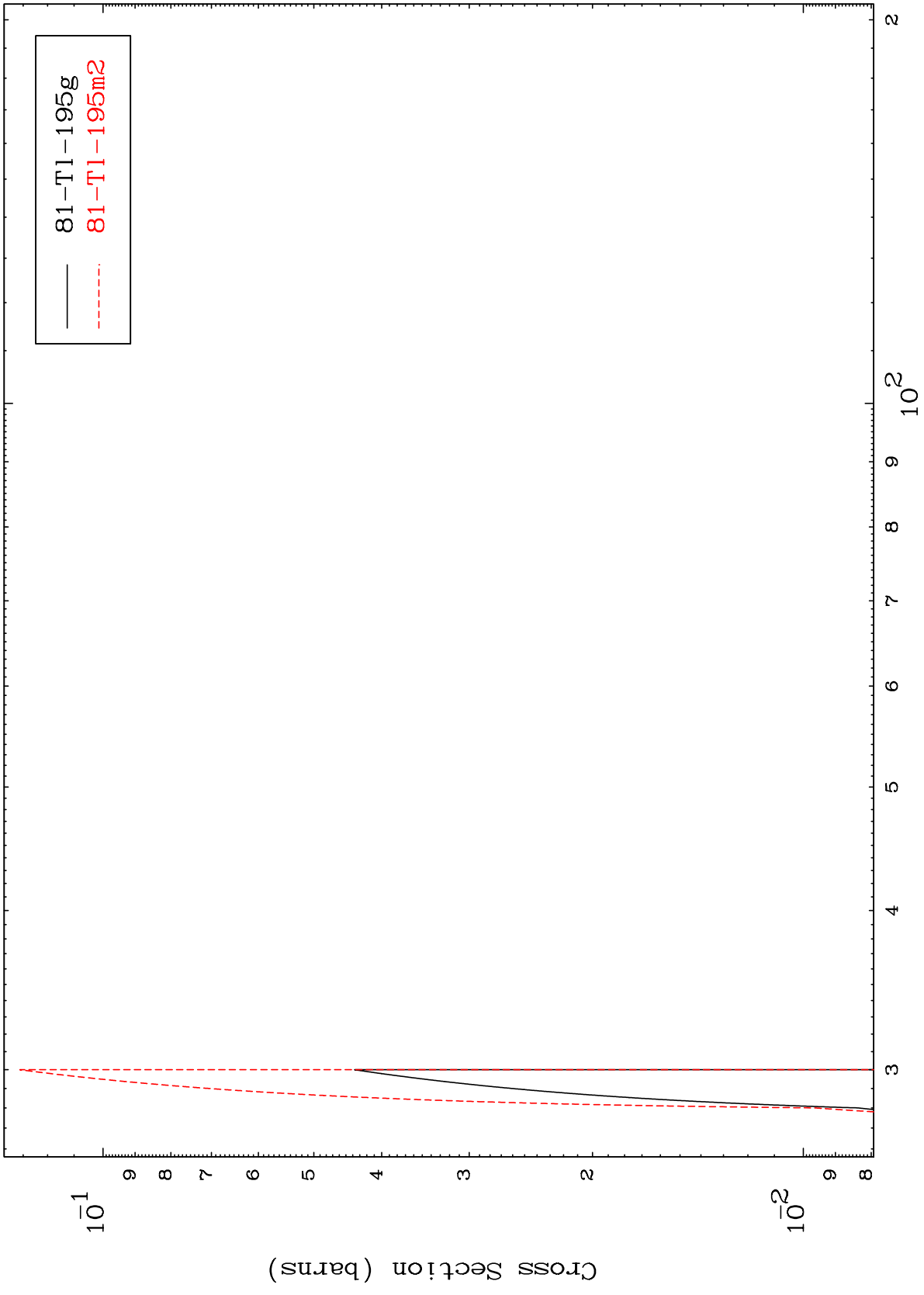
Incident Energy (MeV)

79-Au-194

MAT 7916

79-Au-194

($\alpha, 3n$)
Radionuclide Production Cross Section



13

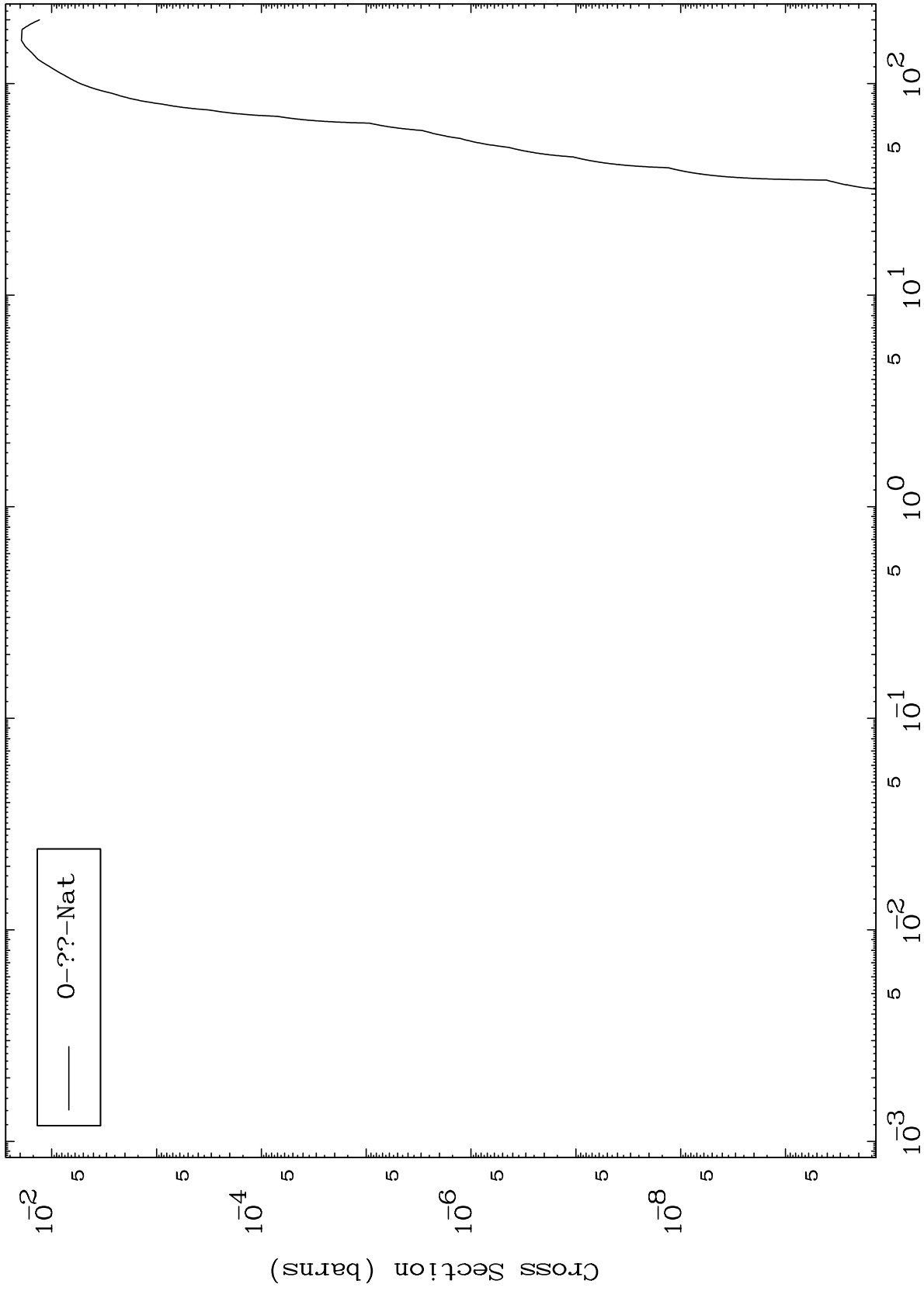
79-Au-194

Incident Energy (MeV)

MAT 7916

α Fission
Radionuclide Production Cross Section

79-Au-194



14

Incident Energy (MeV)

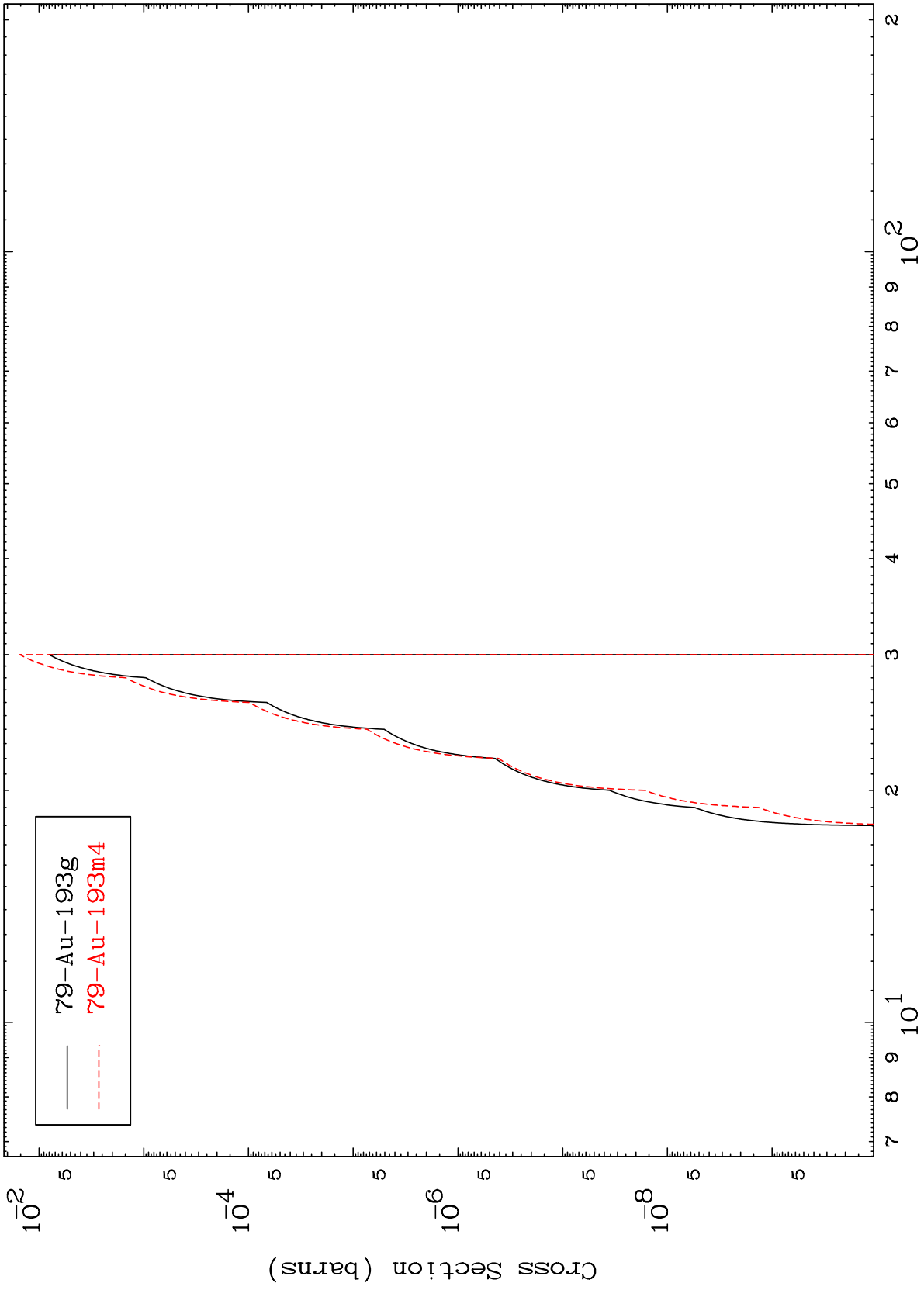
79-Au-194

MAT 7916

(α, n') α

$^{79}\text{Au-194}$

Radionuclide Production Cross Section



15

Incident Energy (MeV)

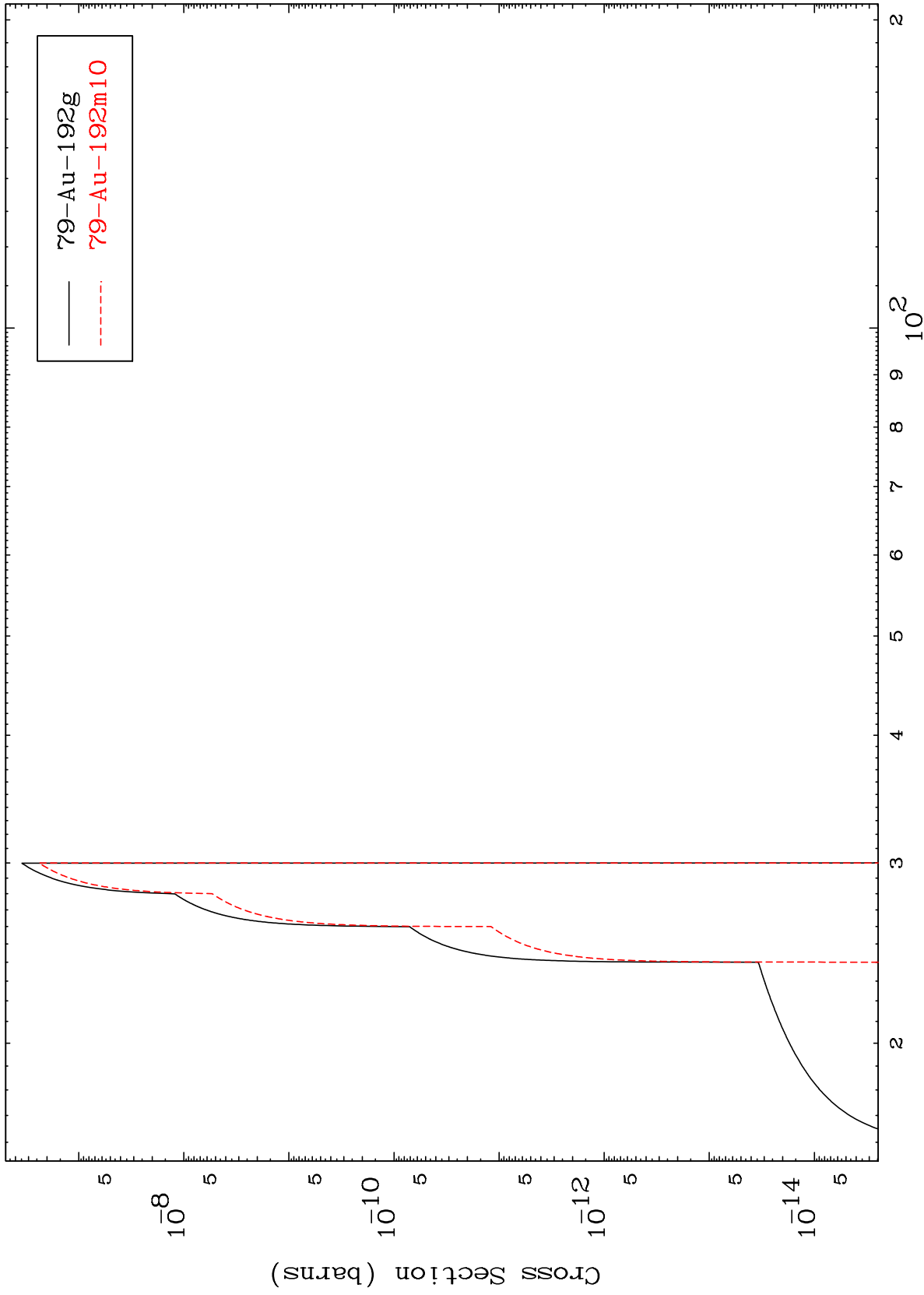
$^{79}\text{Au-194}$

MAT 7916

$(\alpha, 2n) \alpha$

$^{79}\text{Au-194}$

Radionuclide Production Cross Section



16

Incident Energy (MeV)

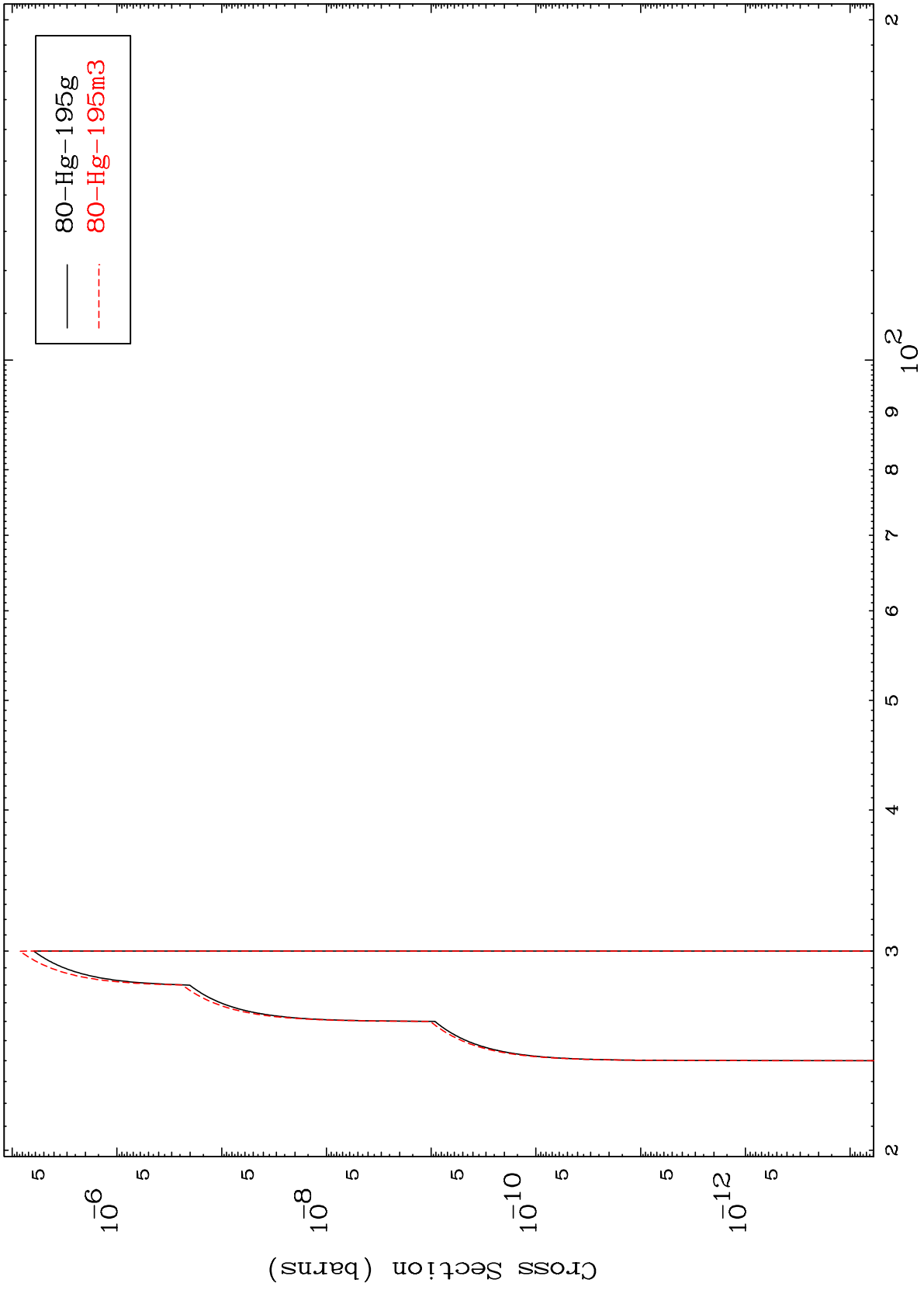
$^{79}\text{Au-194}$

MAT 7916

(α, n') d

79-Au-194

Radionuclide Production Cross Section



17

Incident Energy (MeV)

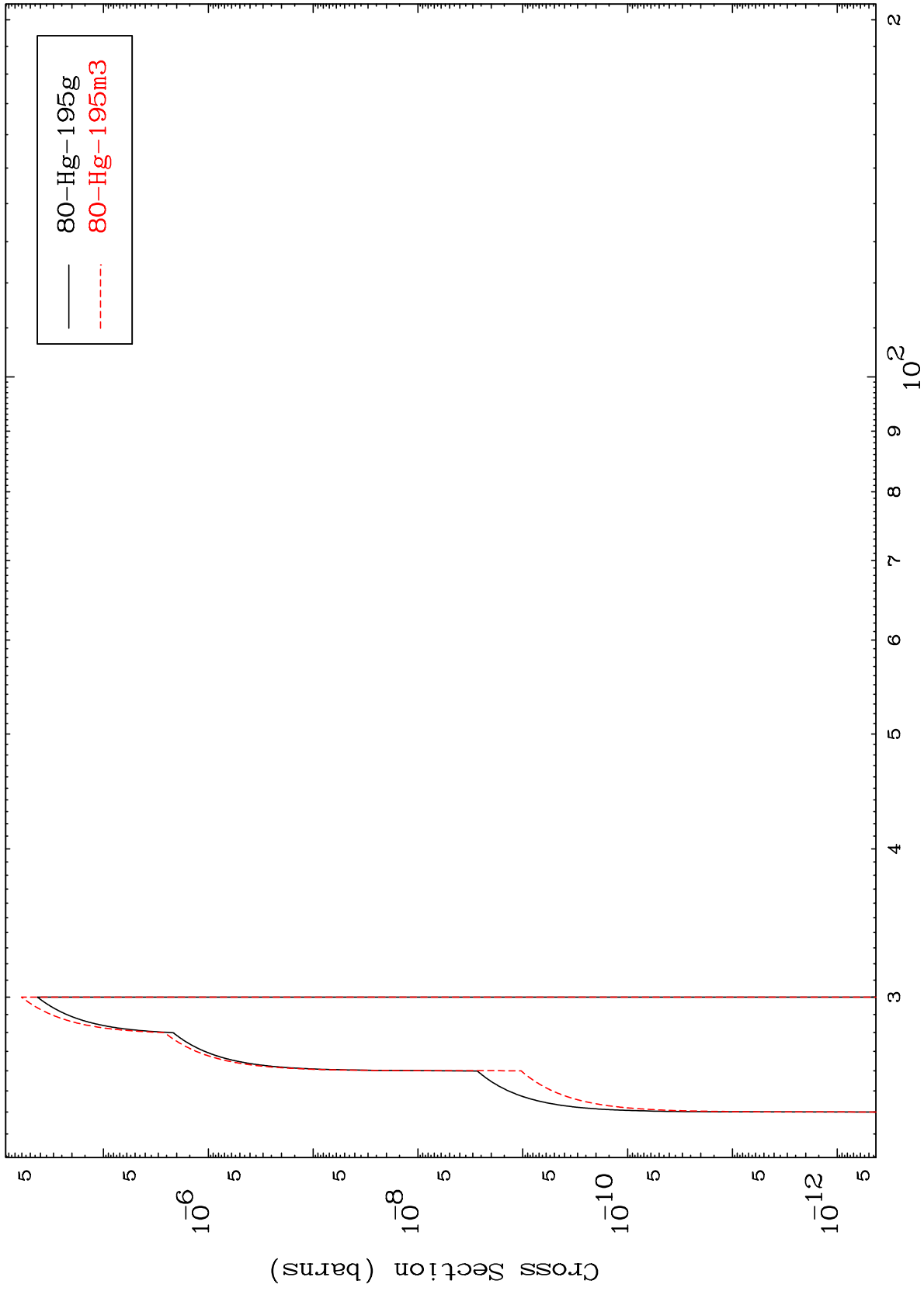
79-Au-194

MAT 7916

($\alpha, 2n$) p

79-Au-194

Radionuclide Production Cross Section



18

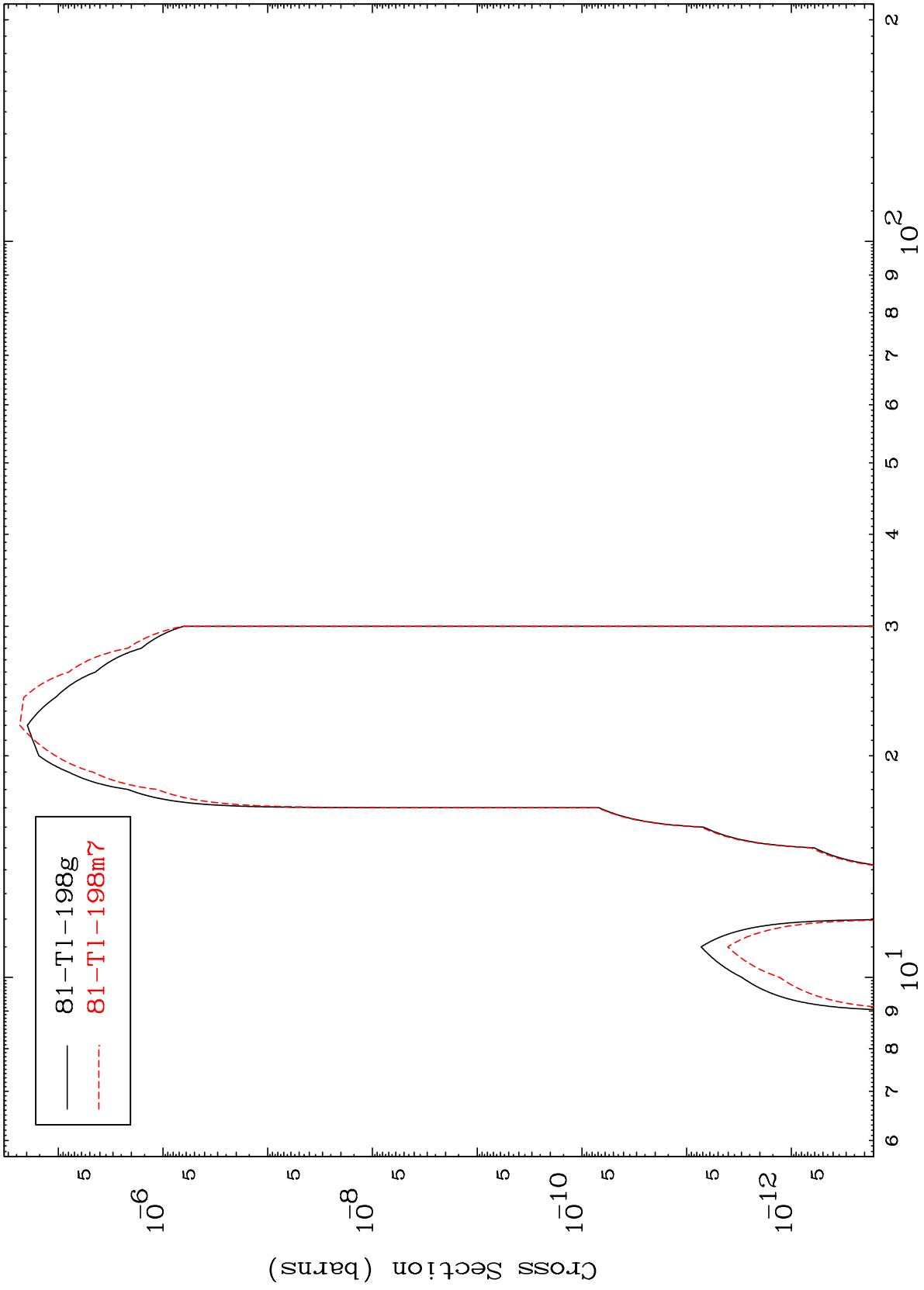
Incident Energy (MeV)

79-Au-194

MAT 7916

79-Au-194

Radionuclide Production Cross Section
(α, γ)



19

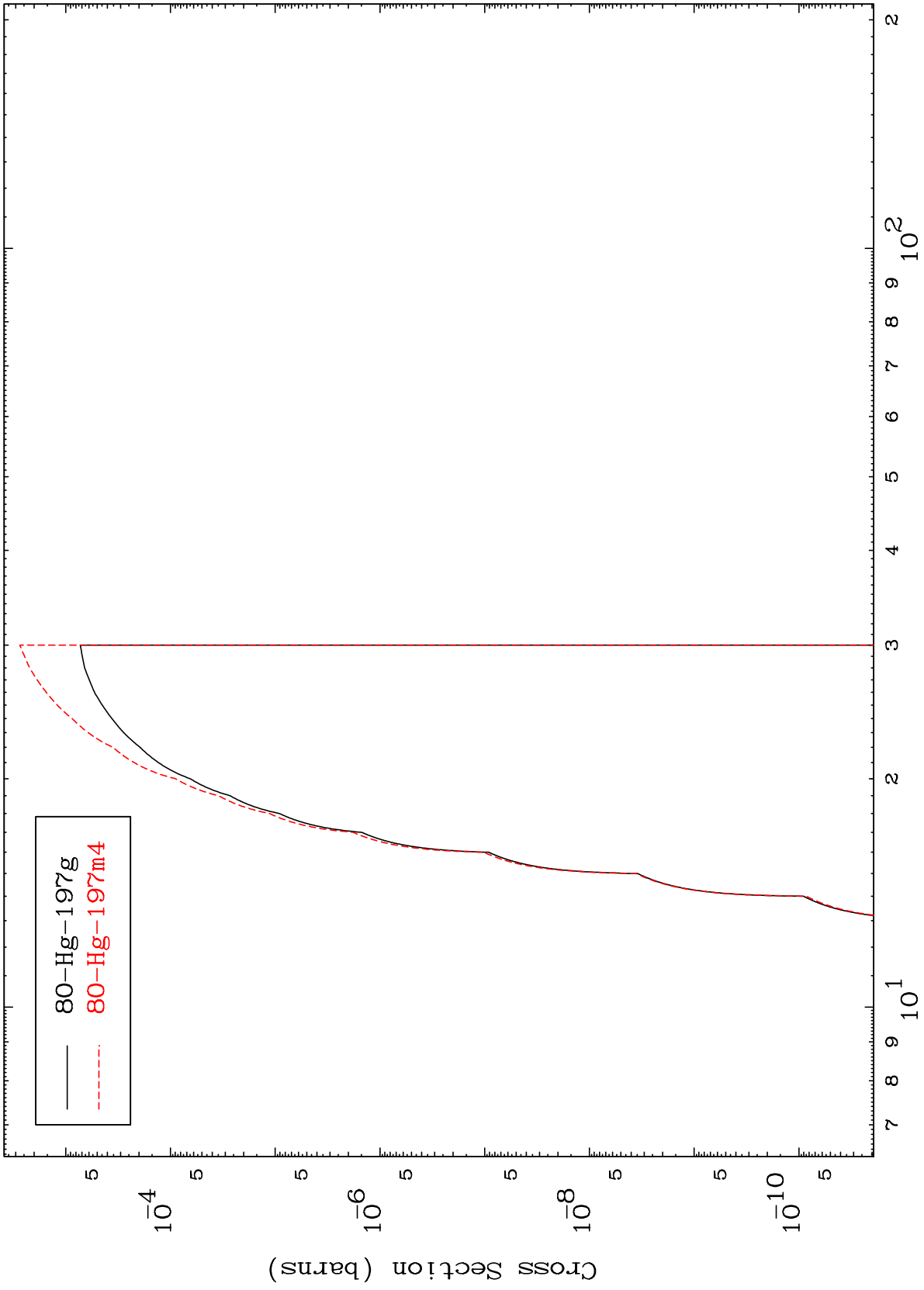
Incident Energy (MeV)

79-Au-194

MAT 7916

79-Au-194

(α, p)
Radionuclide Production Cross Section



20

Incident Energy (MeV)

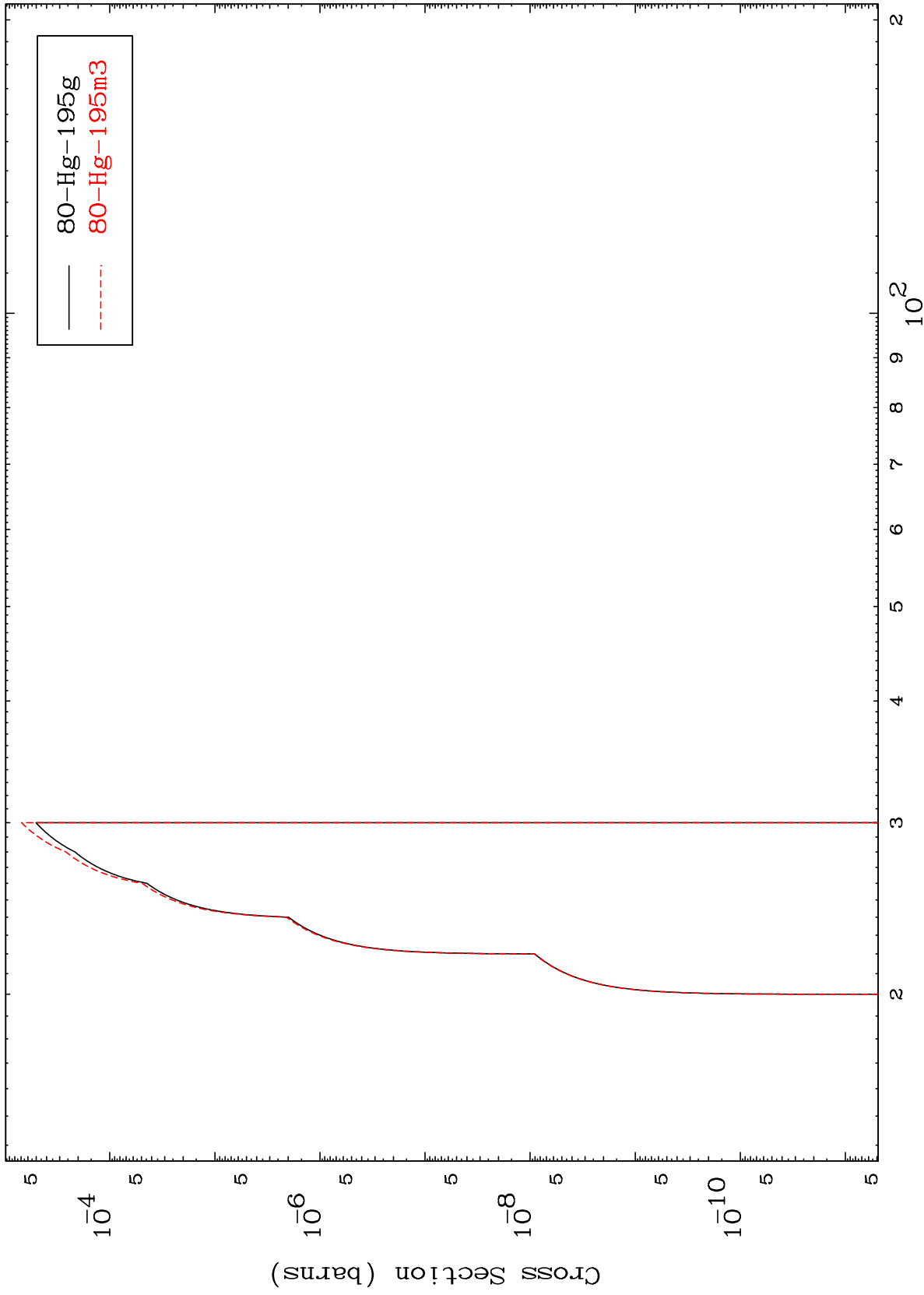
79-Au-194

MAT 7916

(α, t)

79-Au-194

Radionuclide Production Cross Section



21

Incident Energy (MeV)

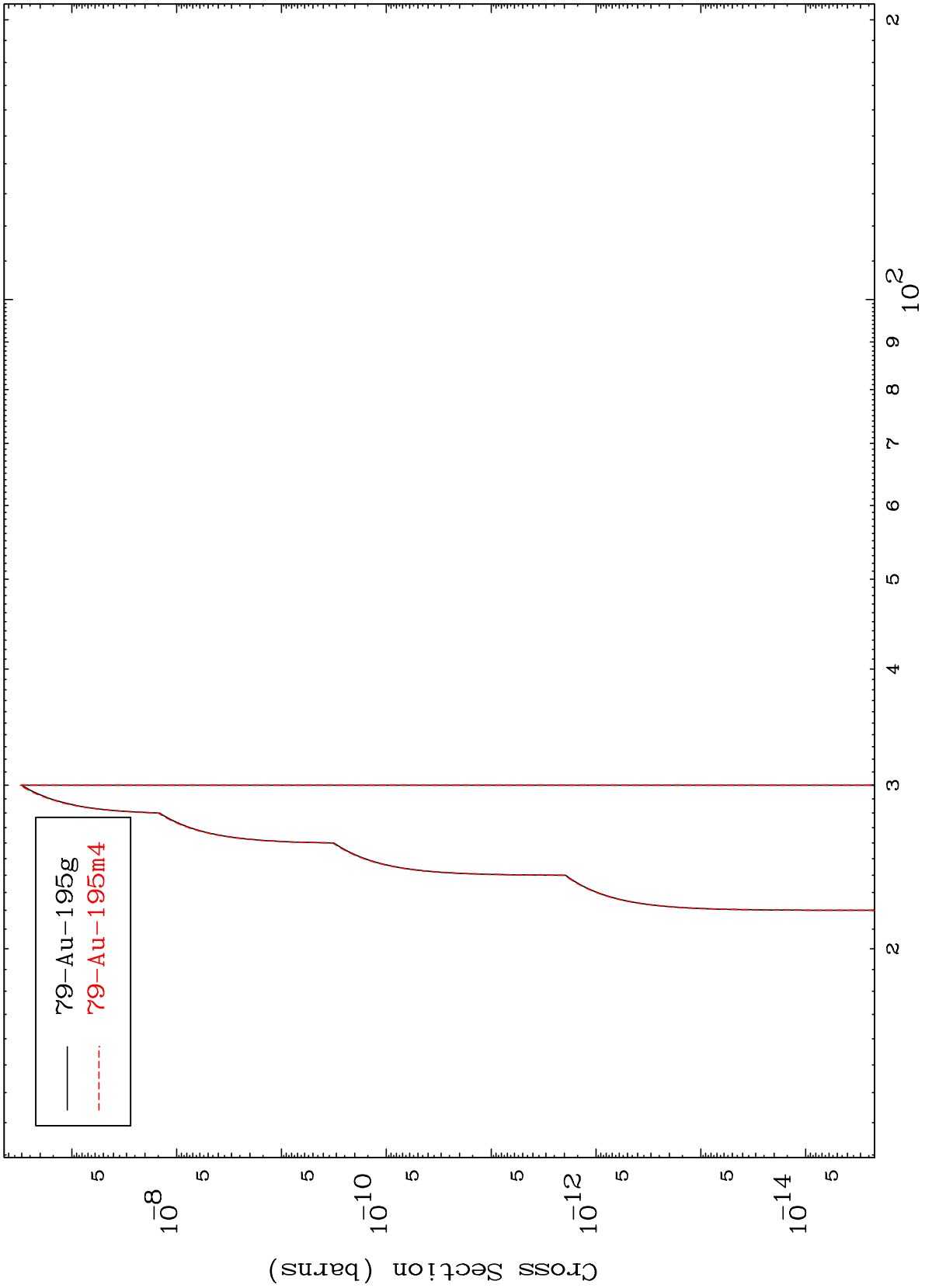
79-Au-194

MAT 7916

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

$^{79}\text{Au-194}$

Radionuclide Production Cross Section



22

$^{79}\text{Au-194}$

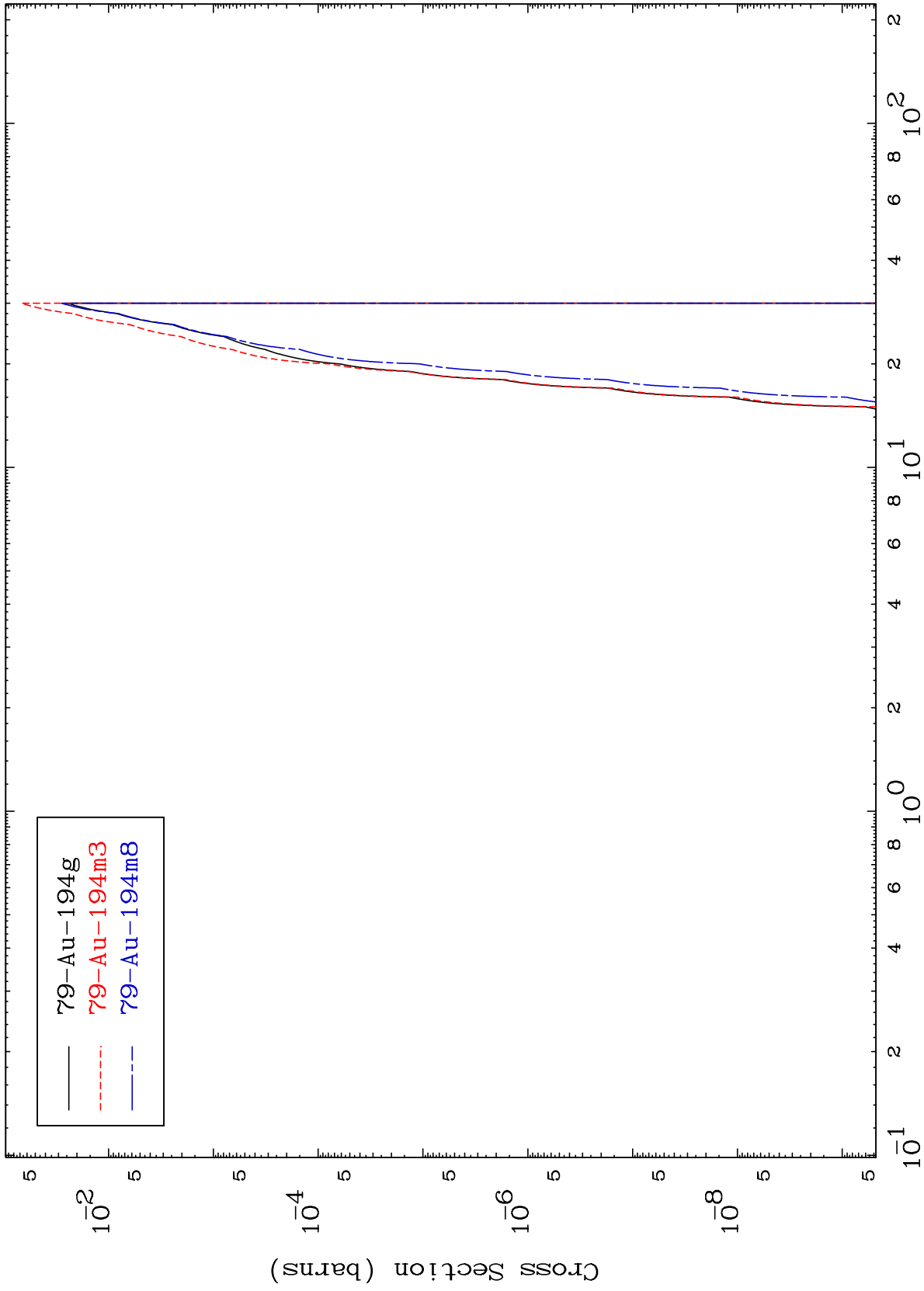
Incident Energy (MeV)

MAT 7916

(α, α)

⁷⁹Au-¹⁹⁴

Radionuclide Production Cross Section



23

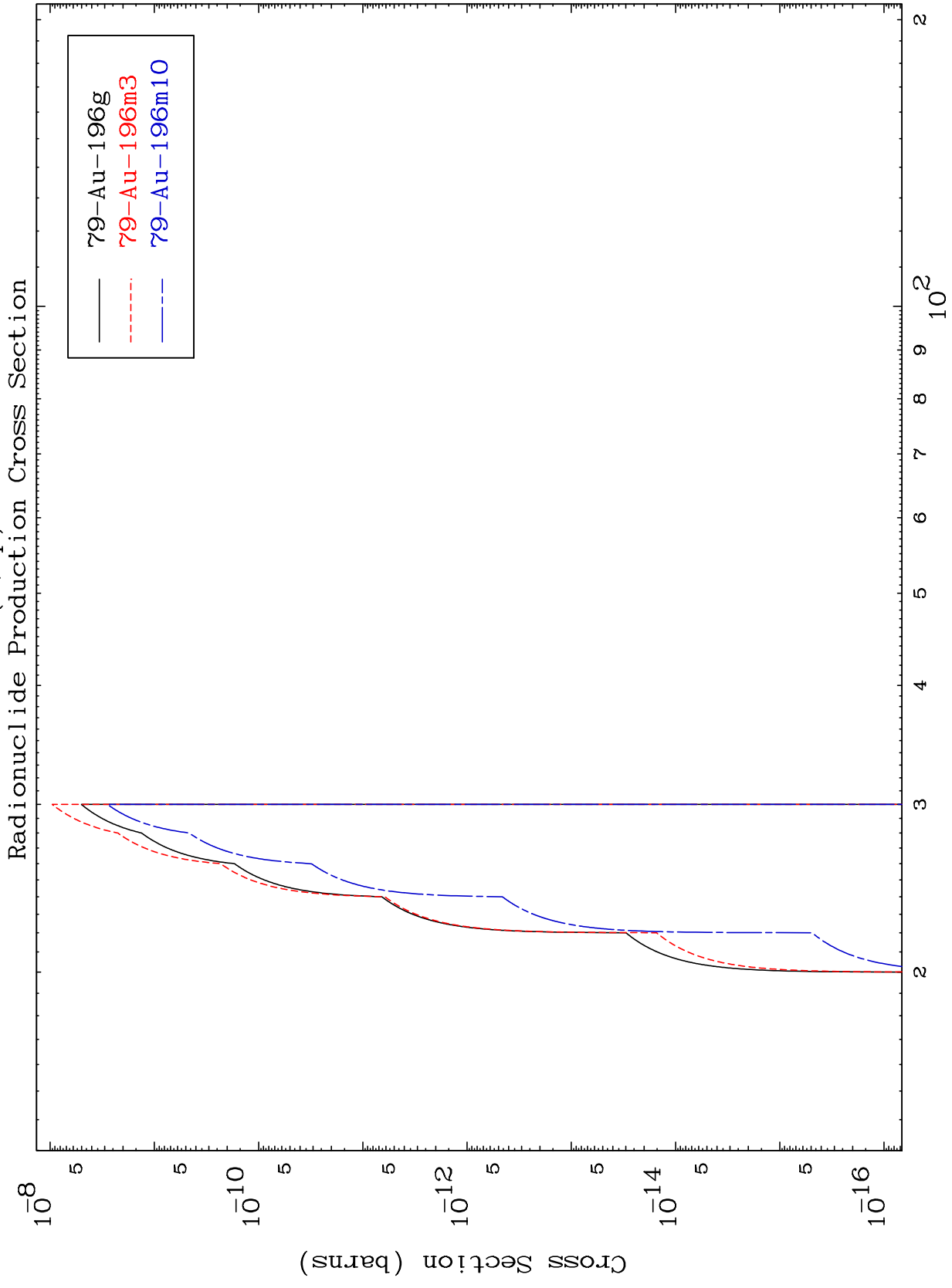
Incident Energy (MeV)

⁷⁹Au-¹⁹⁴

MAT 7916

($\alpha, 2p$)

79-Au-194



79-Au-194

Incident Energy (MeV)

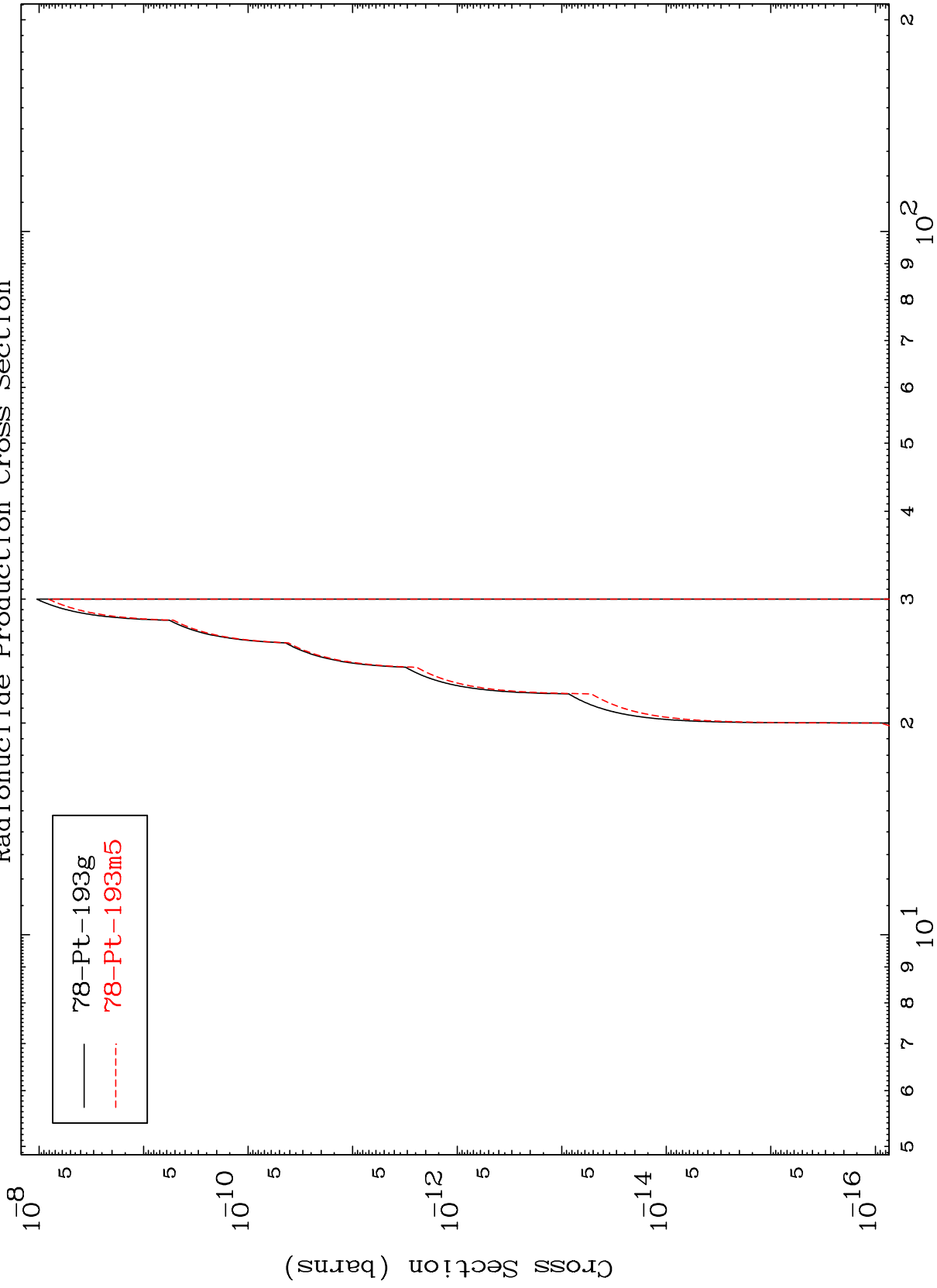
24

MAT 7916

(α, p) α

⁷⁹Au-194

Radionuclide Production Cross Section



25

Incident Energy (MeV)

⁷⁹Au-194