

Program EVALPLOT
(Version 2018-1)

by

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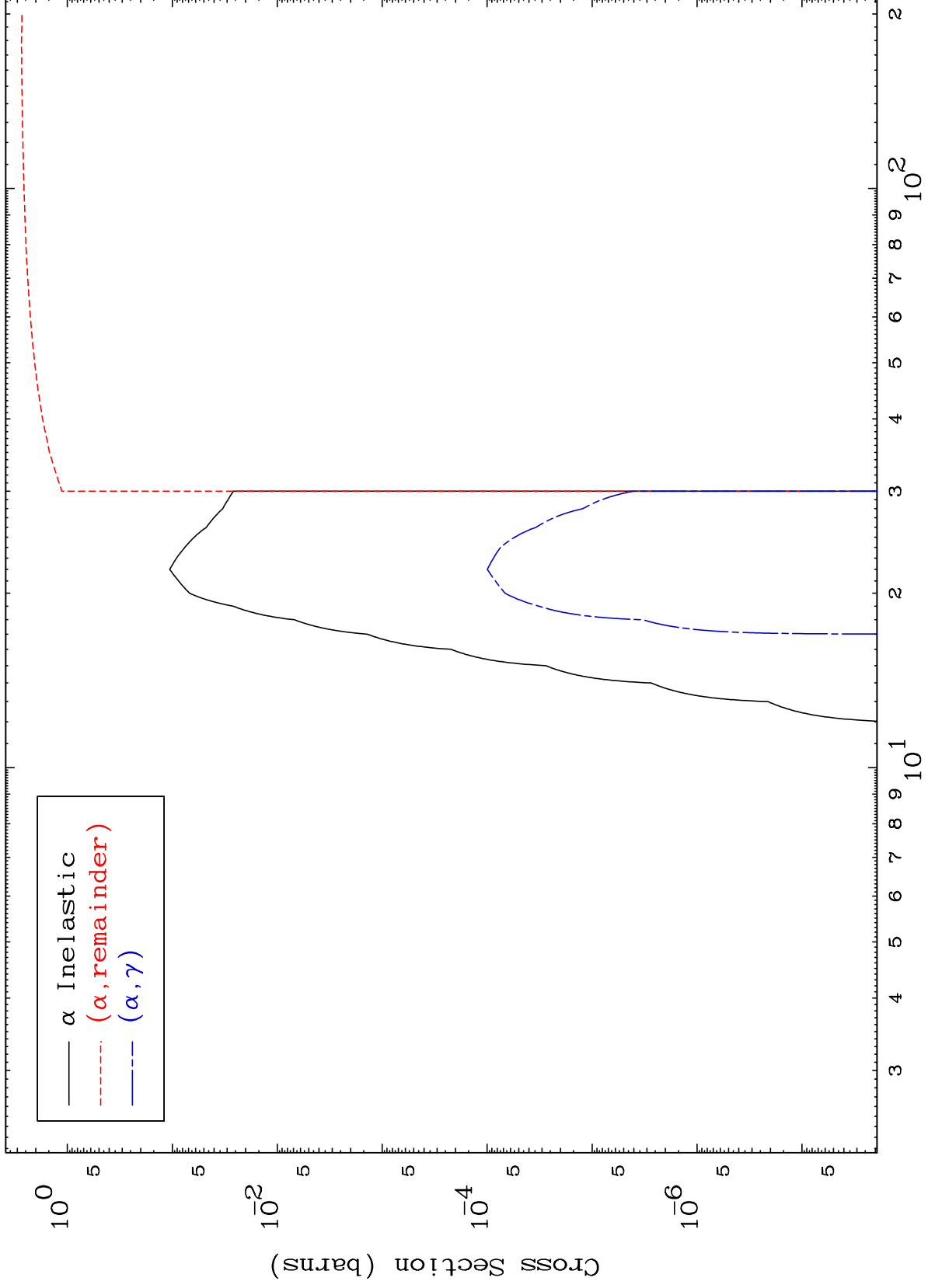
Press Mouse Button to Start

MAT 7916

α Major

79-Au-194

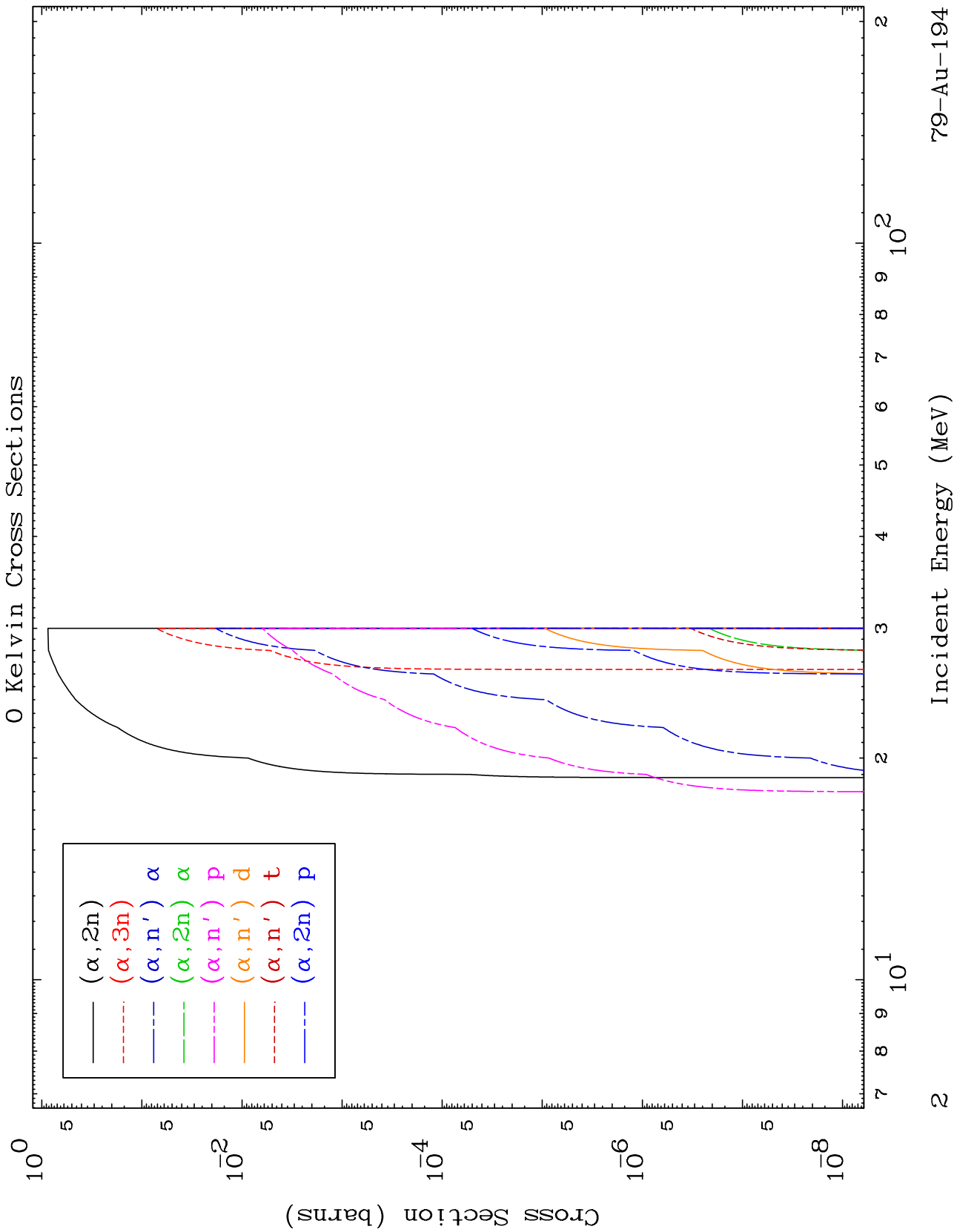
0 Kelvin Cross Sections



MAT 7916

α Neutron Production

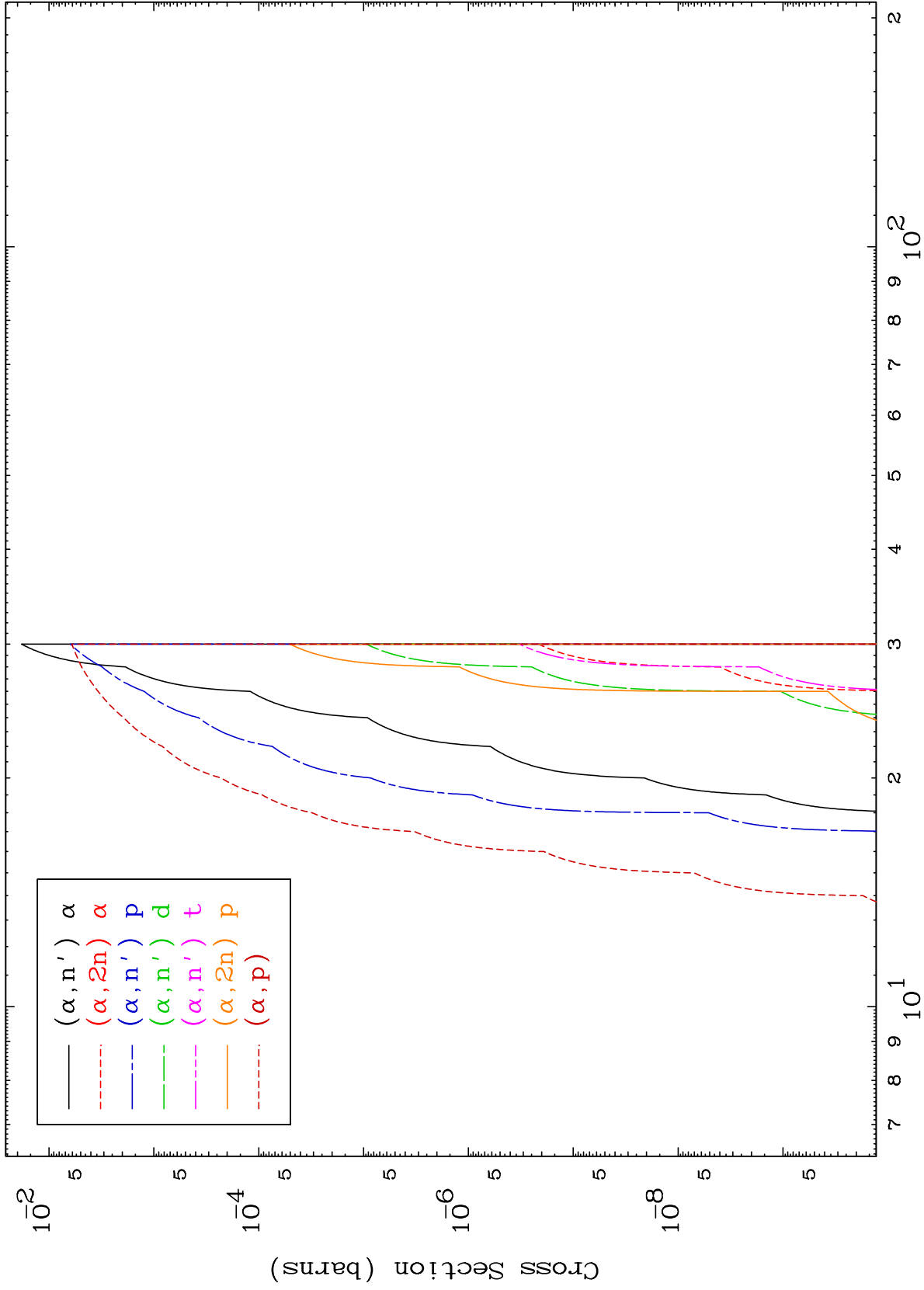
79-Au-194

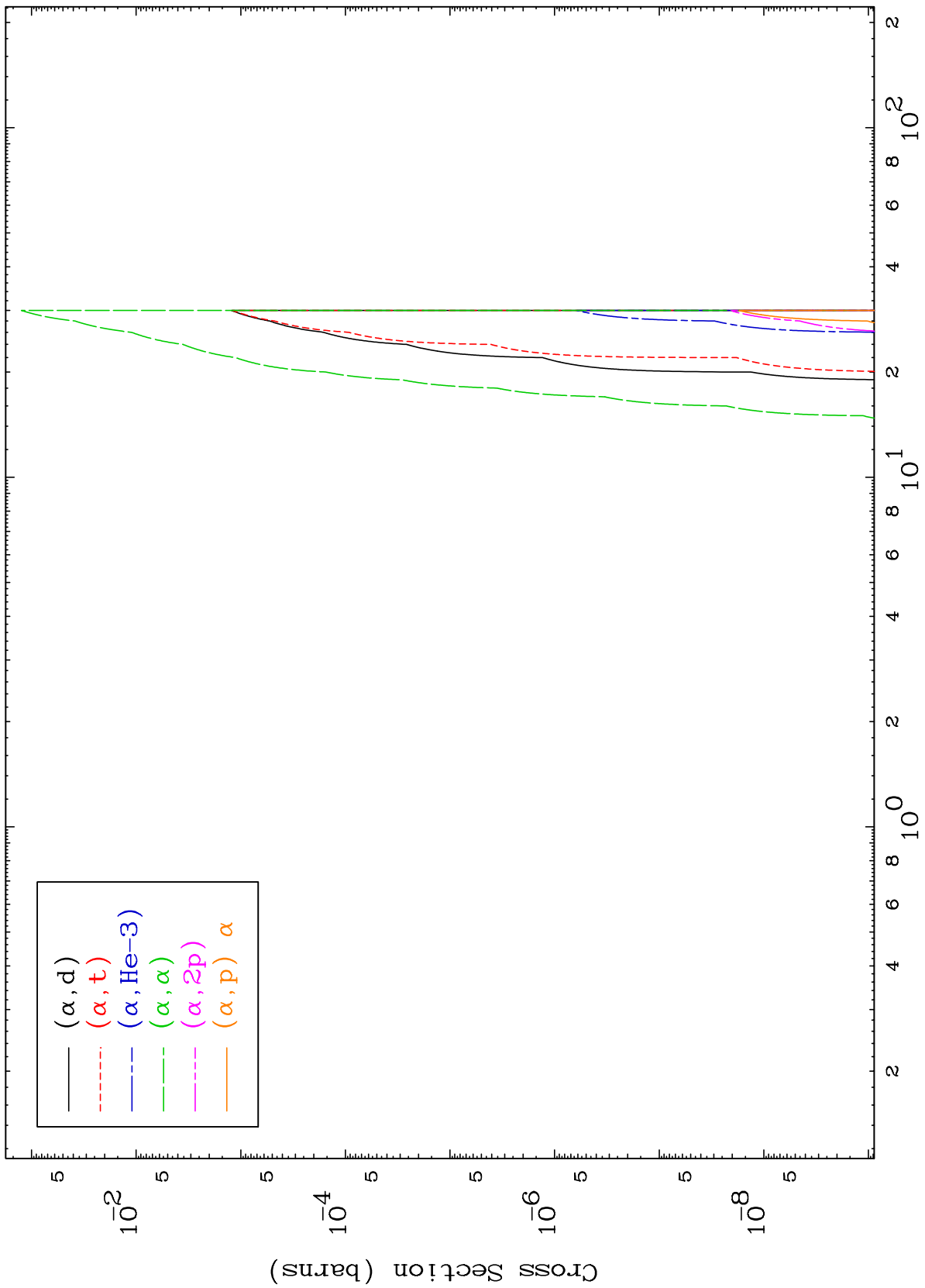


2

Incident Energy (MeV)

79-Au-194



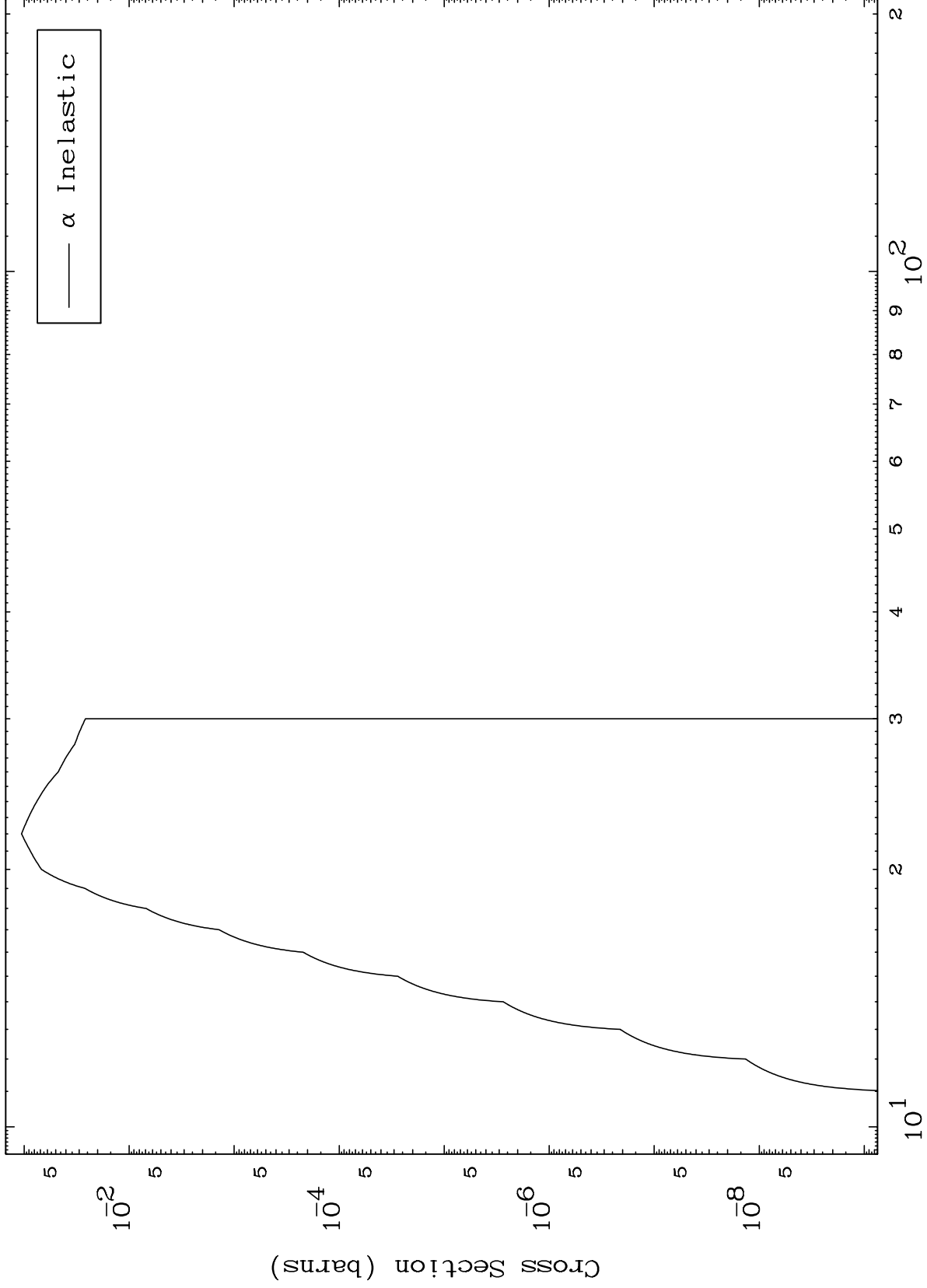


MAT 7916

(α, n') Level

79-Au-194

0 Kelvin Cross Sections



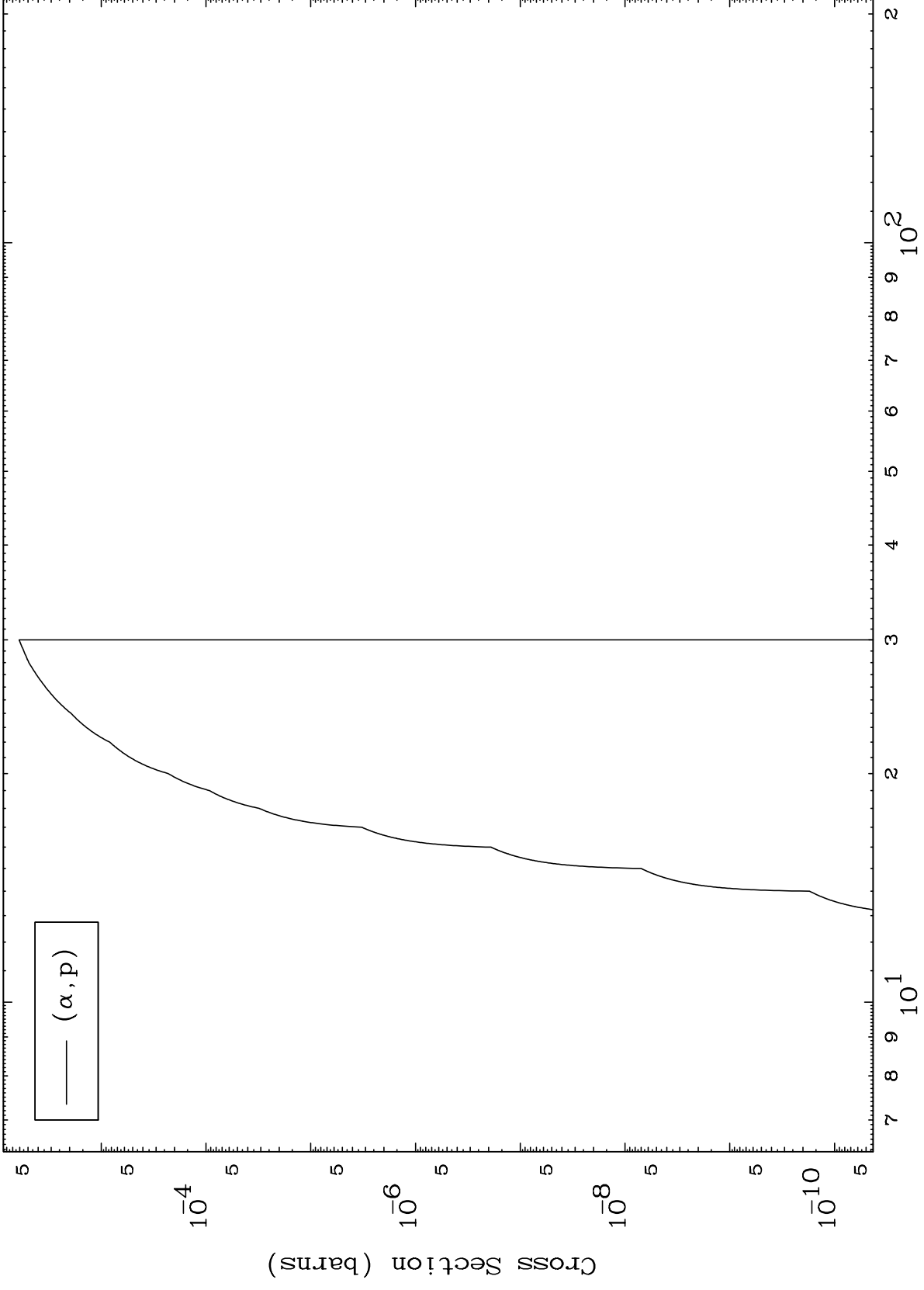
Incident Energy (MeV)

79-Au-194

MAT 7916

(α, p) Levels
0 Kelvin Cross Sections

79-Au-194



6

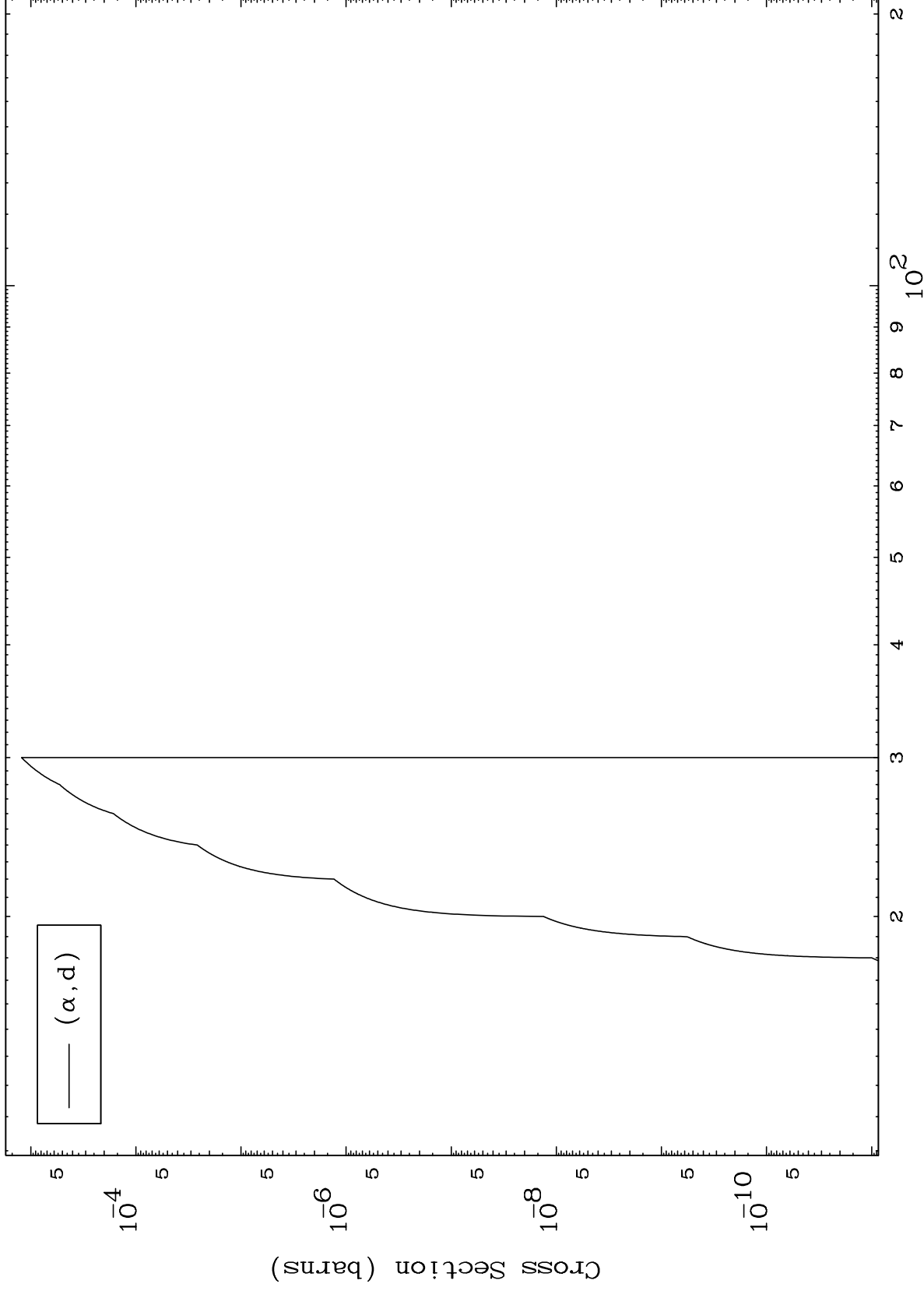
Incident Energy (MeV)

79-Au-194

MAT 7916

(α, d) Levels
0 Kelvin Cross Sections

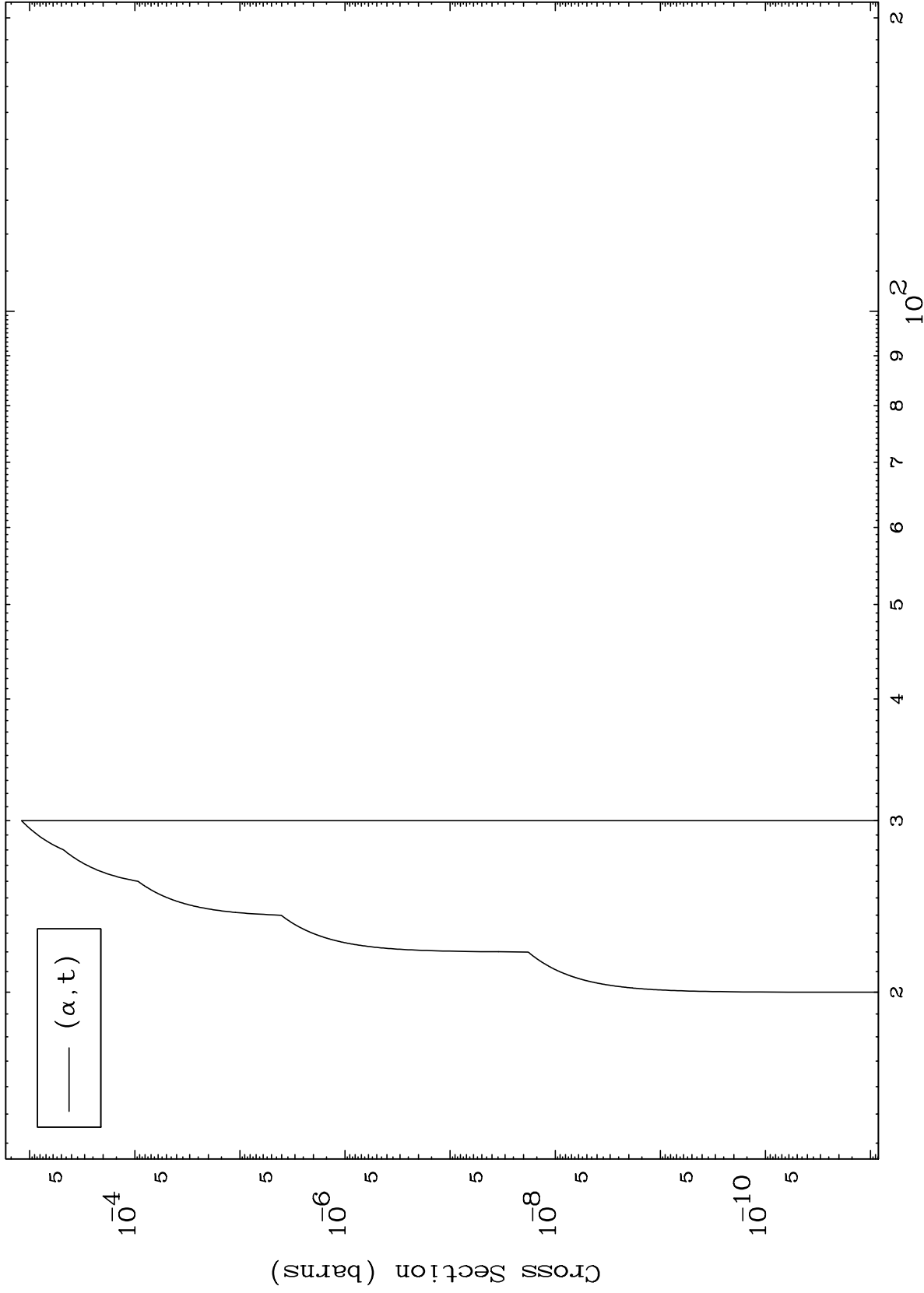
79-Au-194

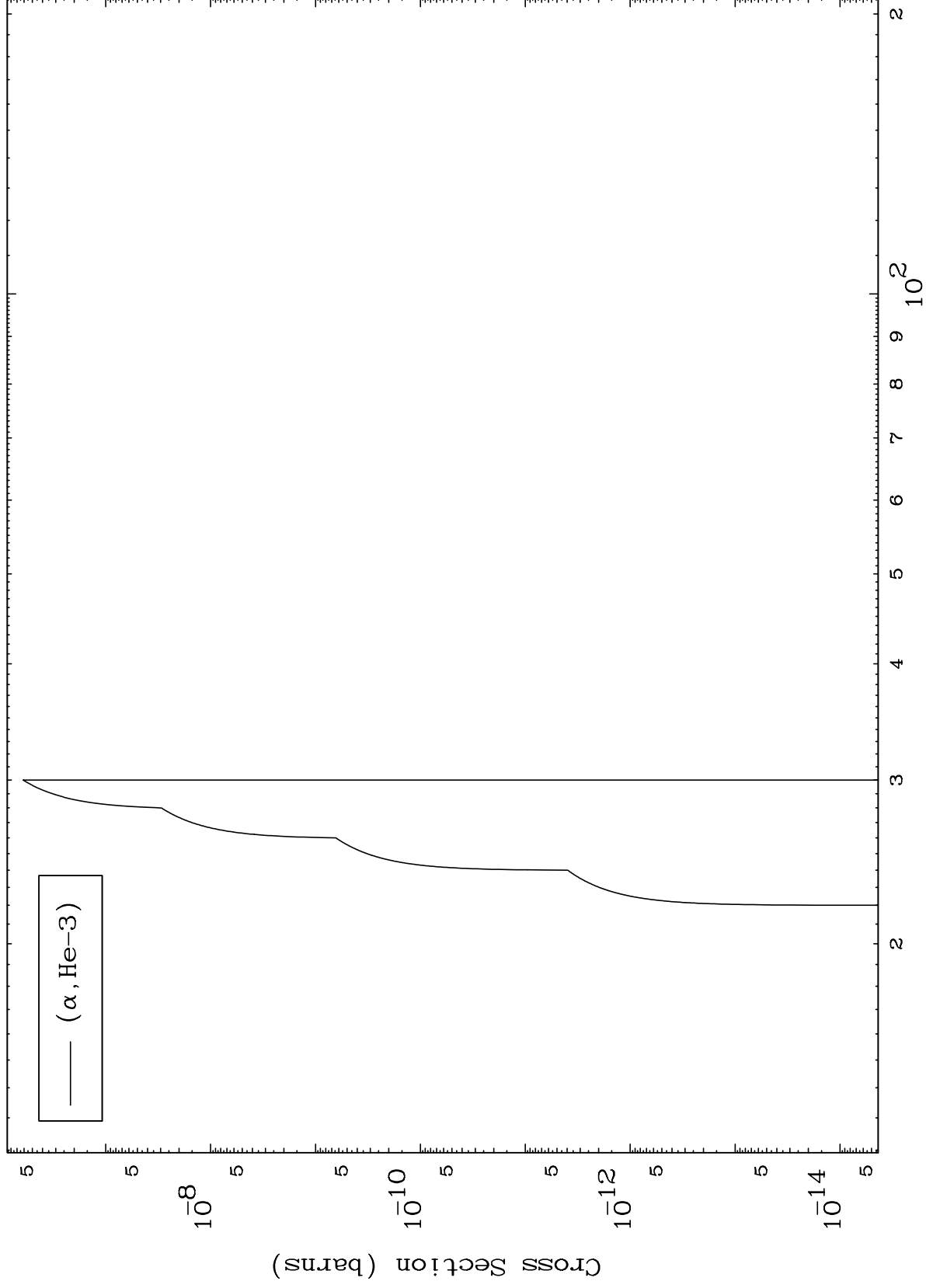


7

Incident Energy (MeV)

79-Au-194



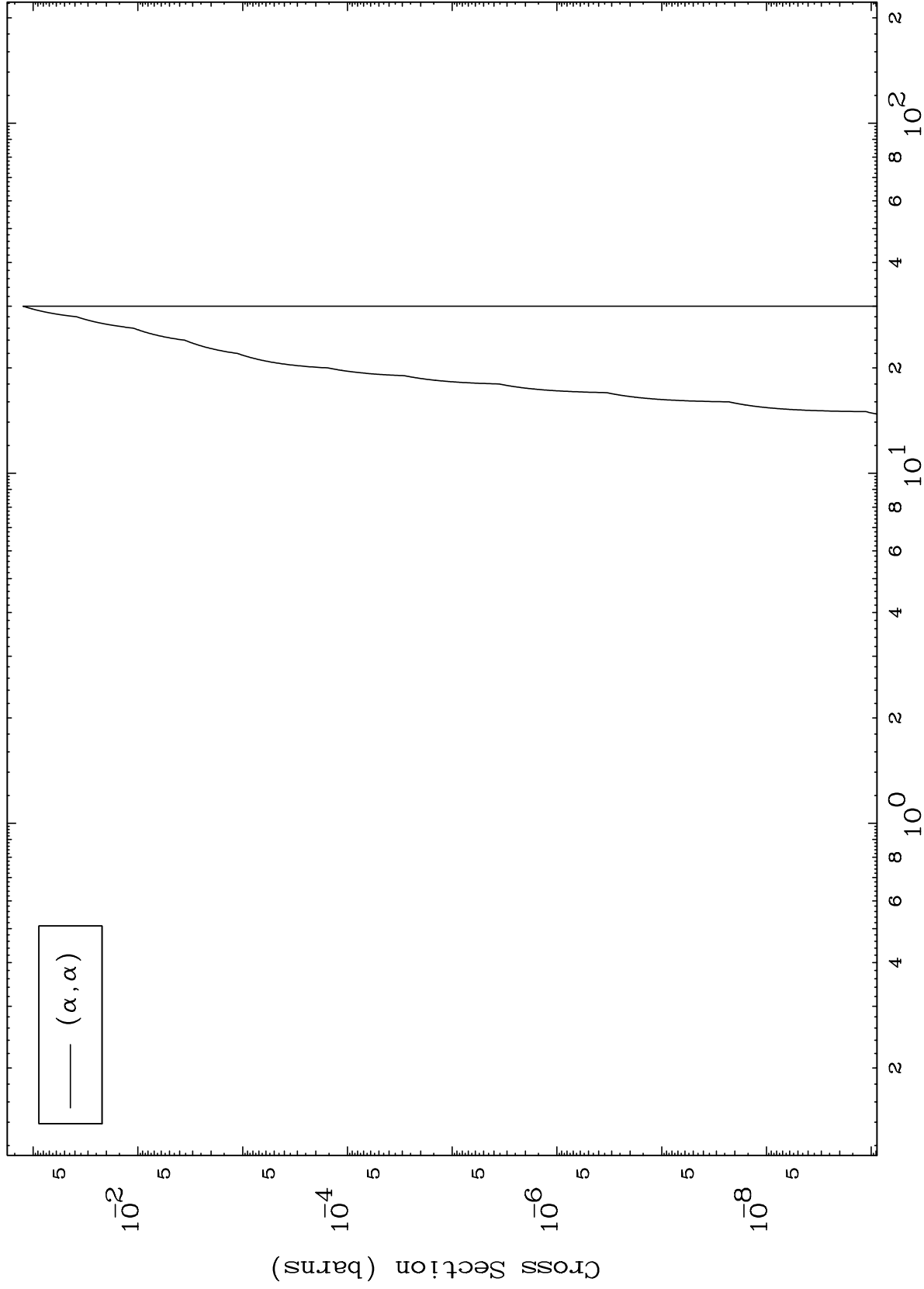


MAT 7916

(α, α) Levels

79-Au-194

0 Kelvin Cross Sections



10

Incident Energy (MeV)

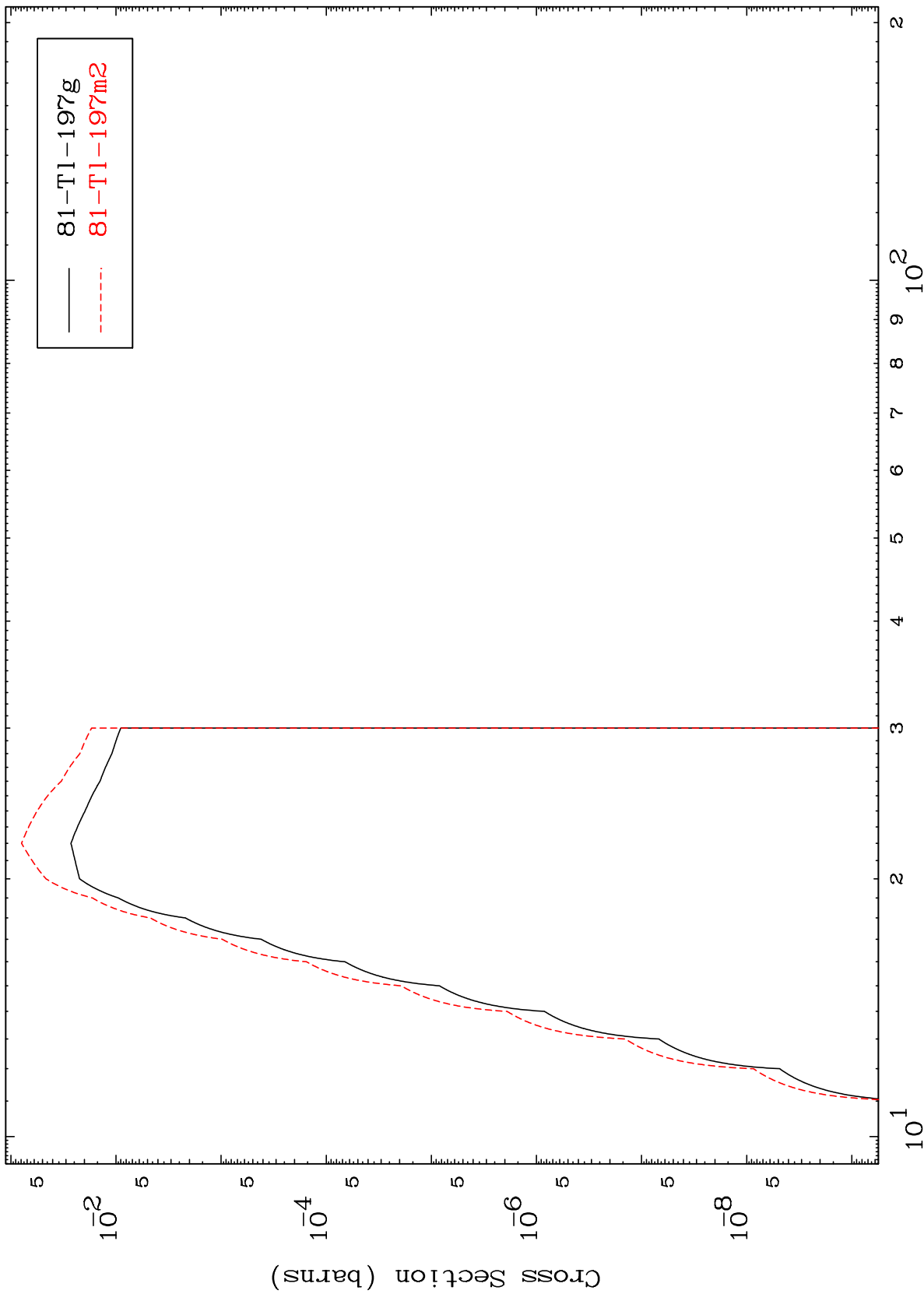
79-Au-194

MAT 7916

79-Au-194

Radionuclide Production Cross Section

α Inelastic



81-Tl-197g
81-Tl-197m2

11

Incident Energy (MeV)

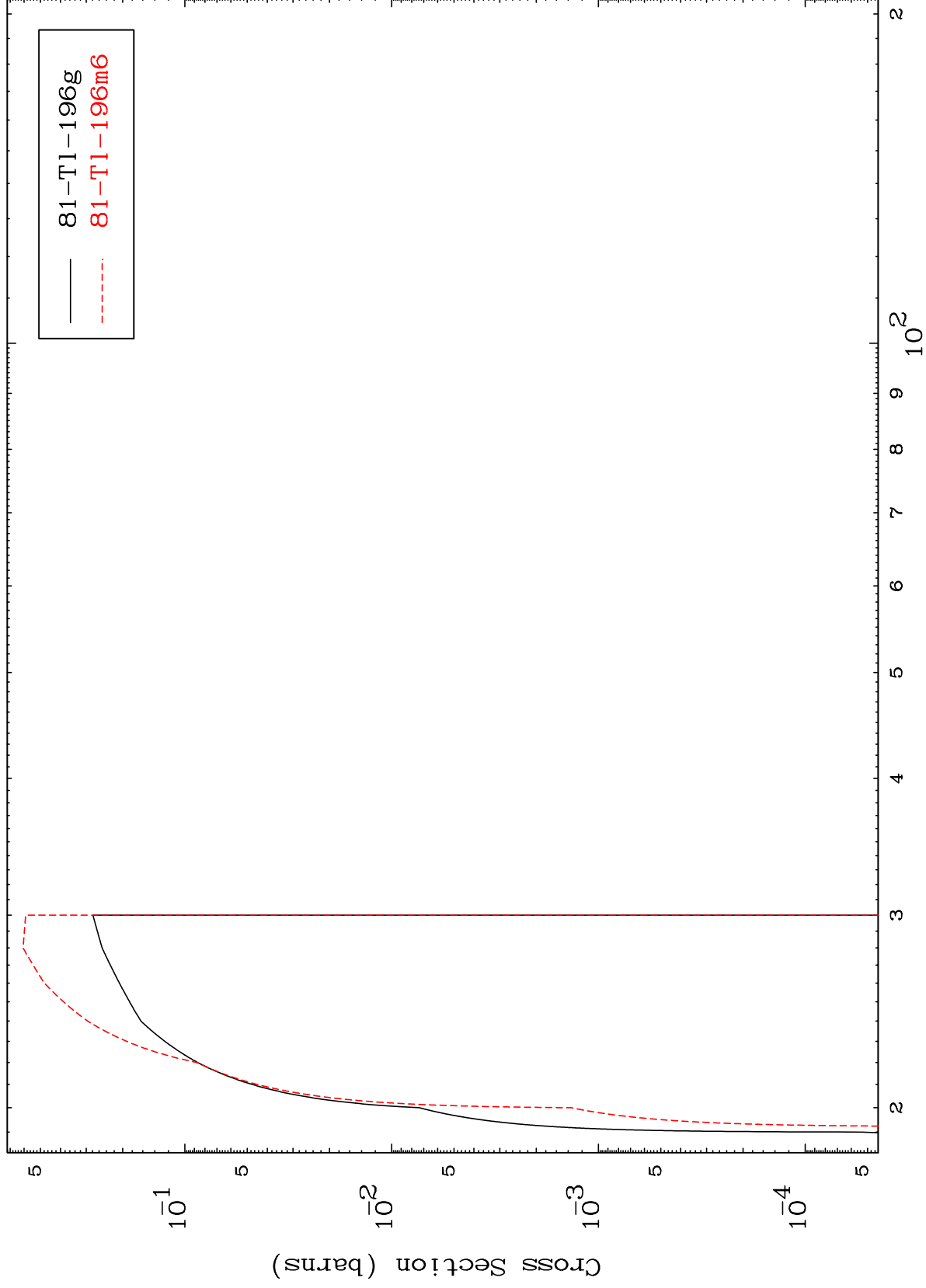
79-Au-194

MAT 7916

($\alpha, 2n$)

79-Au-194

Radionuclide Production Cross Section



12

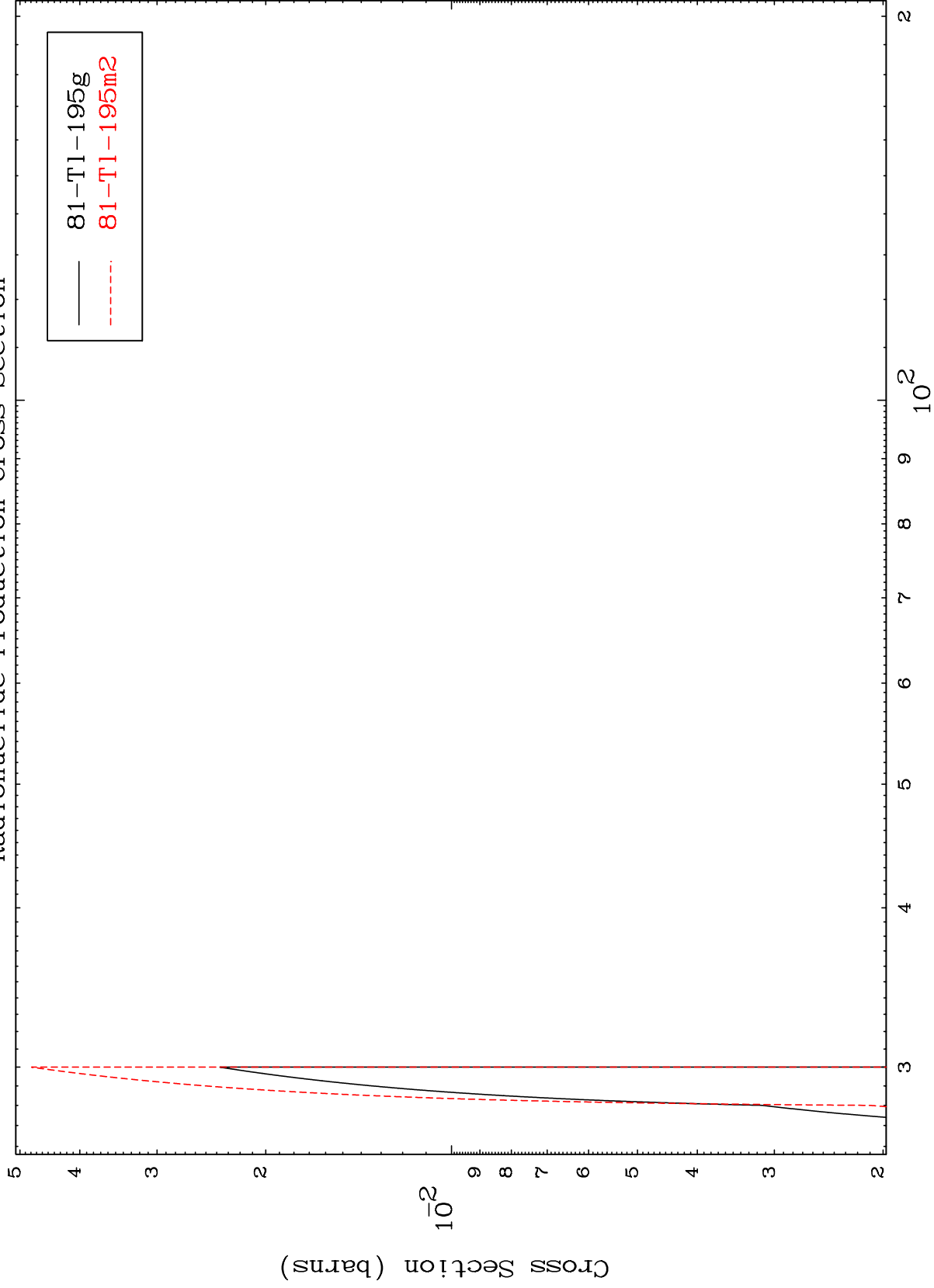
Incident Energy (MeV)

79-Au-194

MAT 7916

79-Au-194

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



13

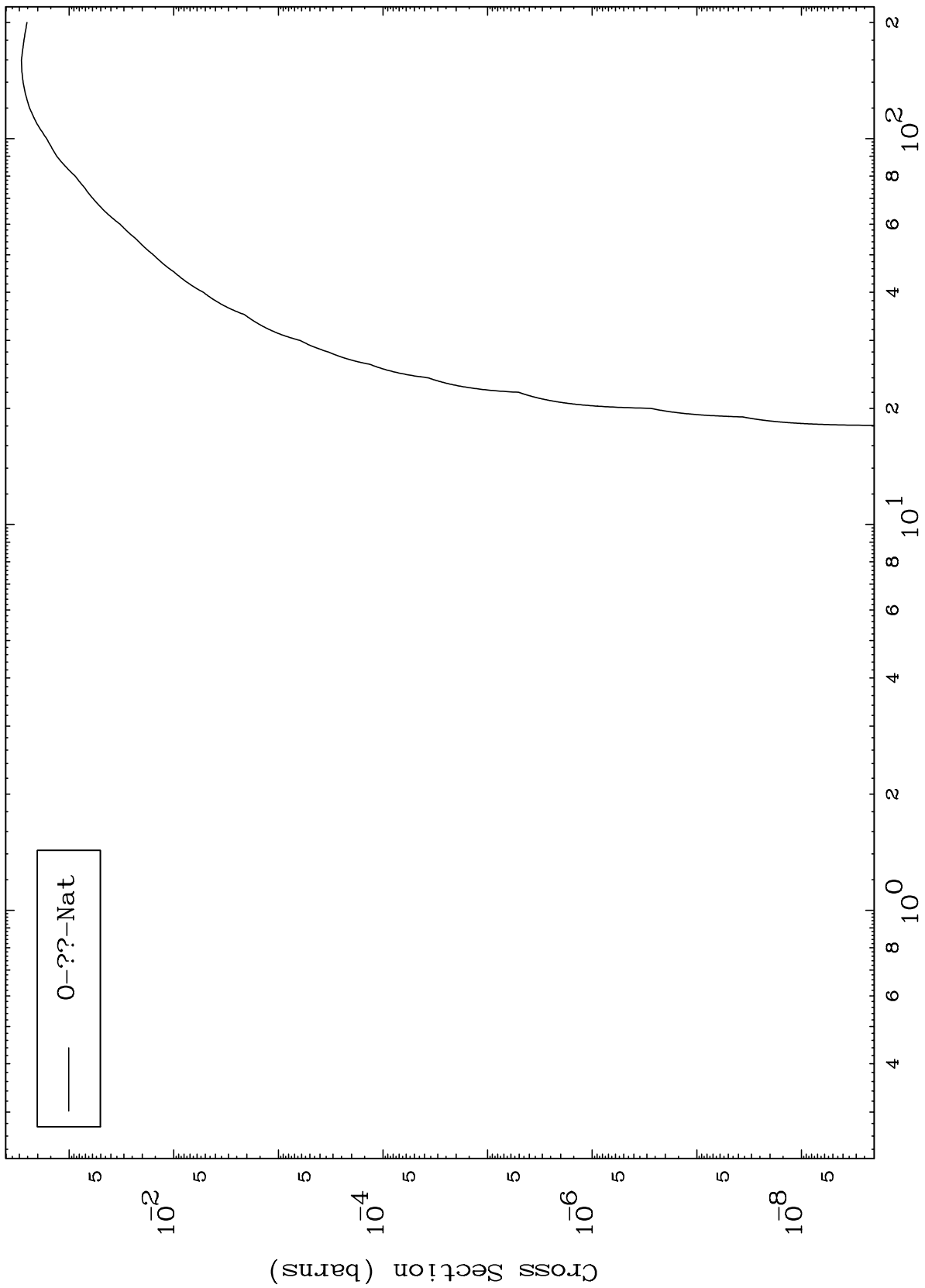
Incident Energy (MeV)

79-Au-194

MAT 7916

79-Au-194

α Fission
Radionuclide Production Cross Section

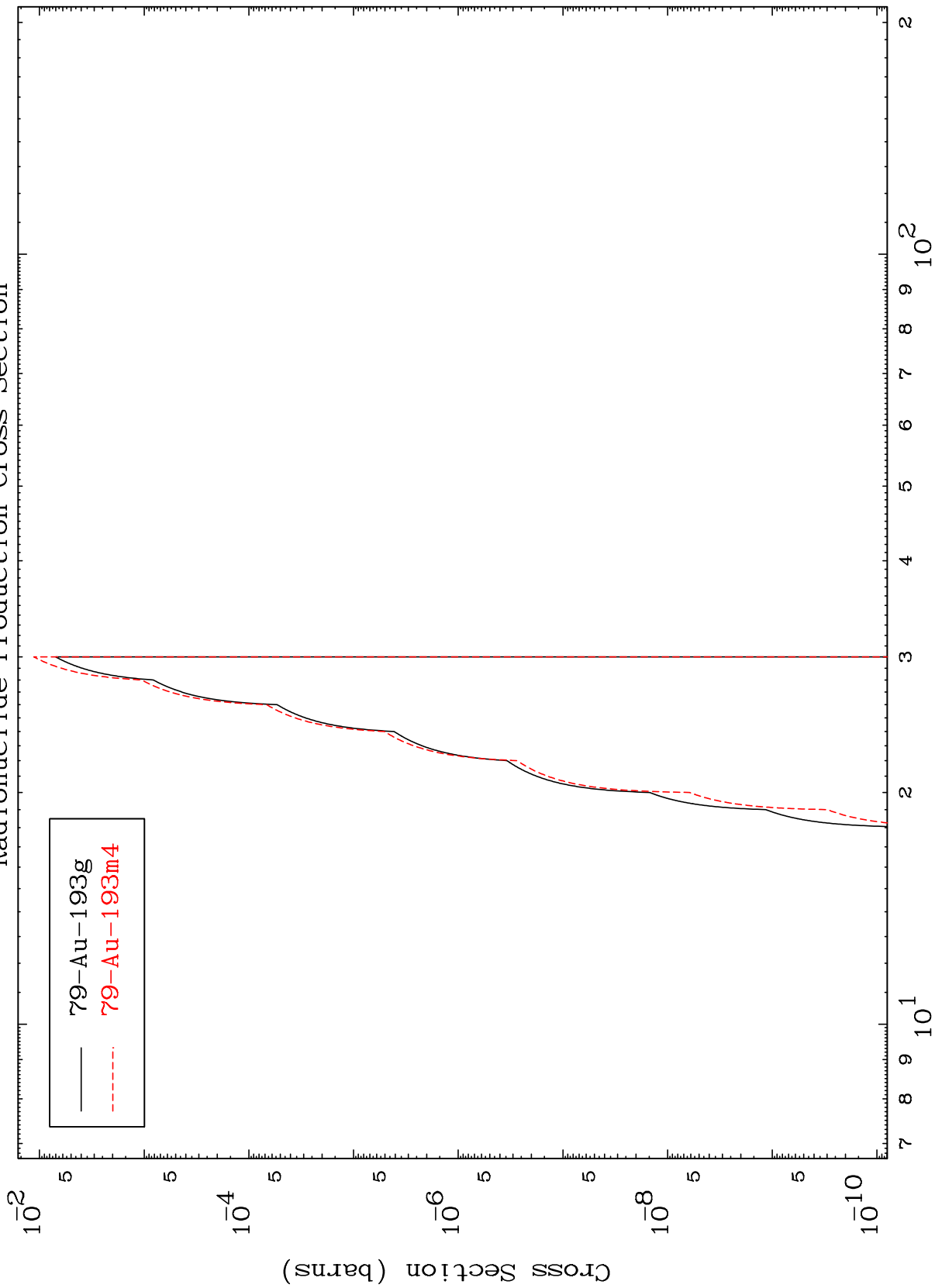


MAT 7916

(α, n') α

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

Radionuclide Production Cross Section



15

Incident Energy (MeV)

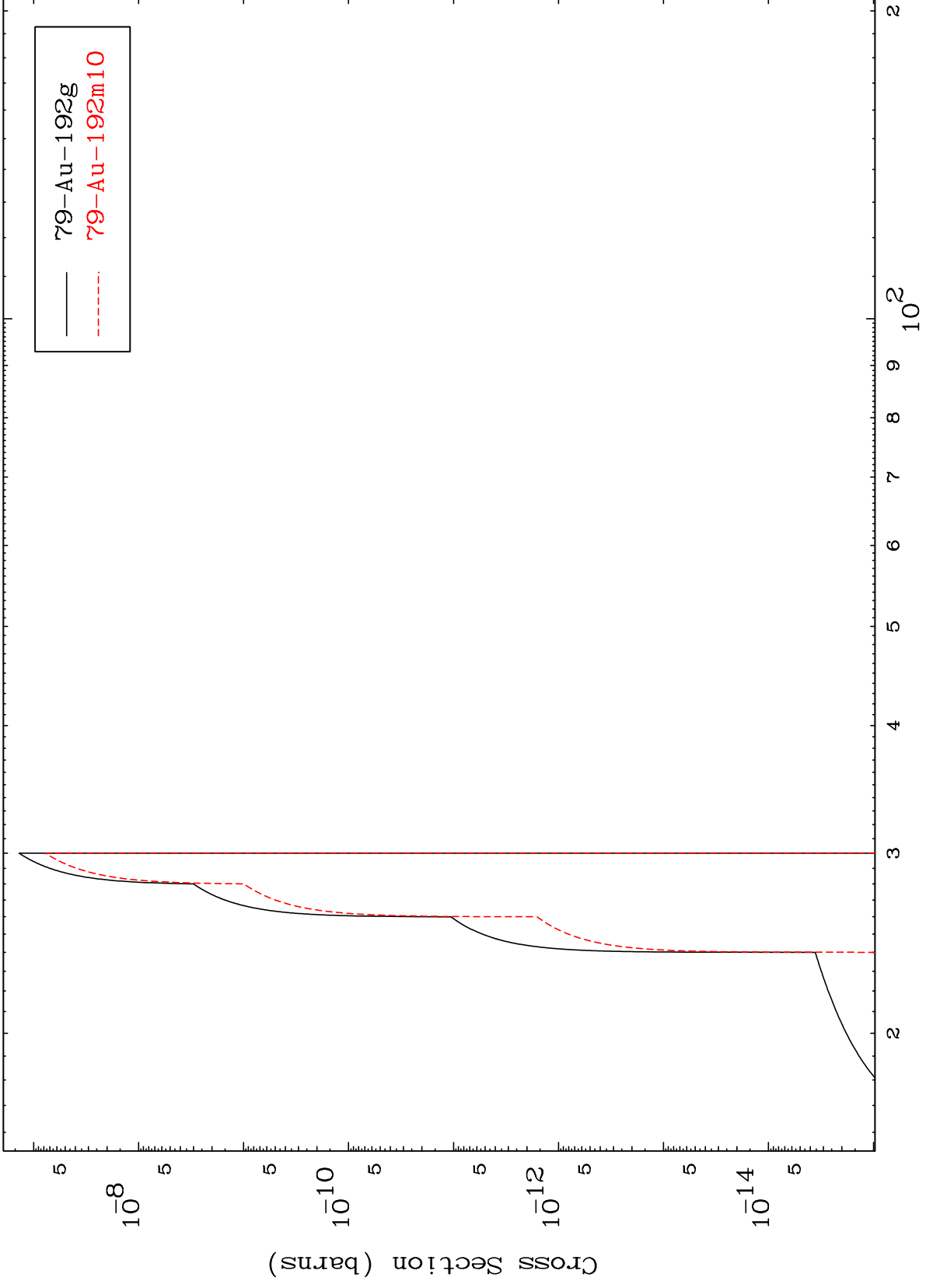
$^{79}\text{Au-194}$

MAT 7916

$(\alpha, 2n) \alpha$

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

Radionuclide Production Cross Section

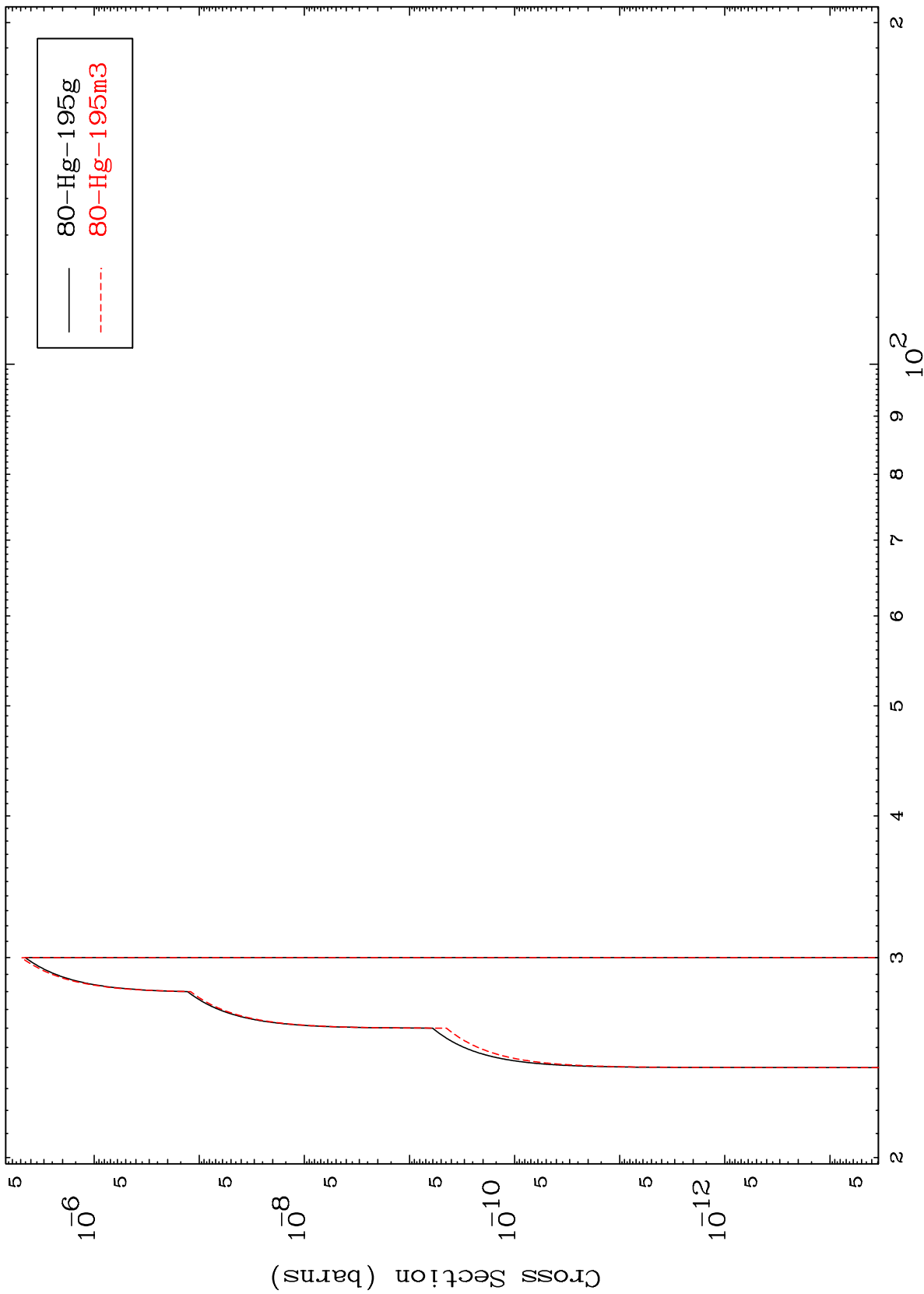


16

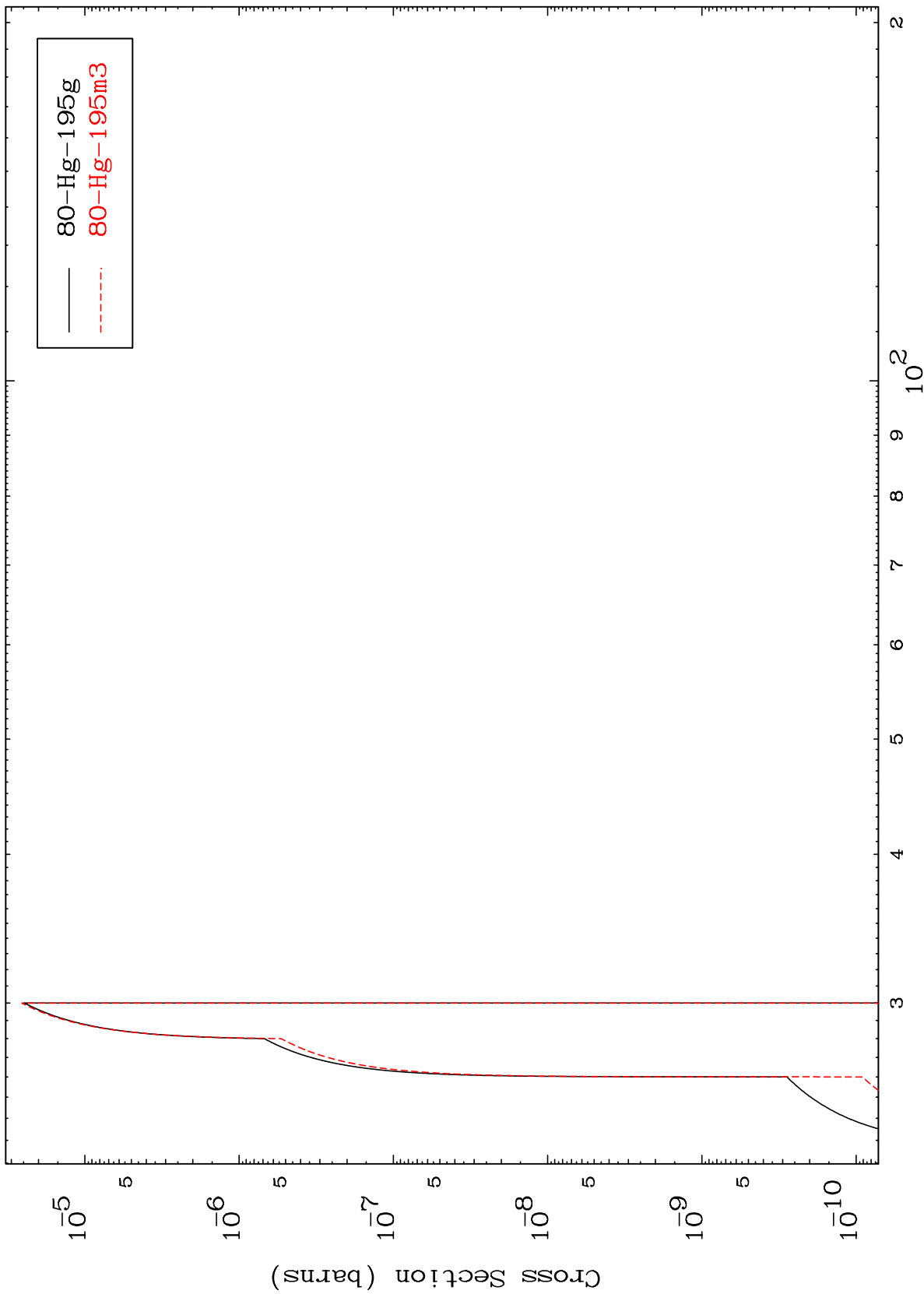
Incident Energy (MeV)

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

Radionuclide Production Cross Section



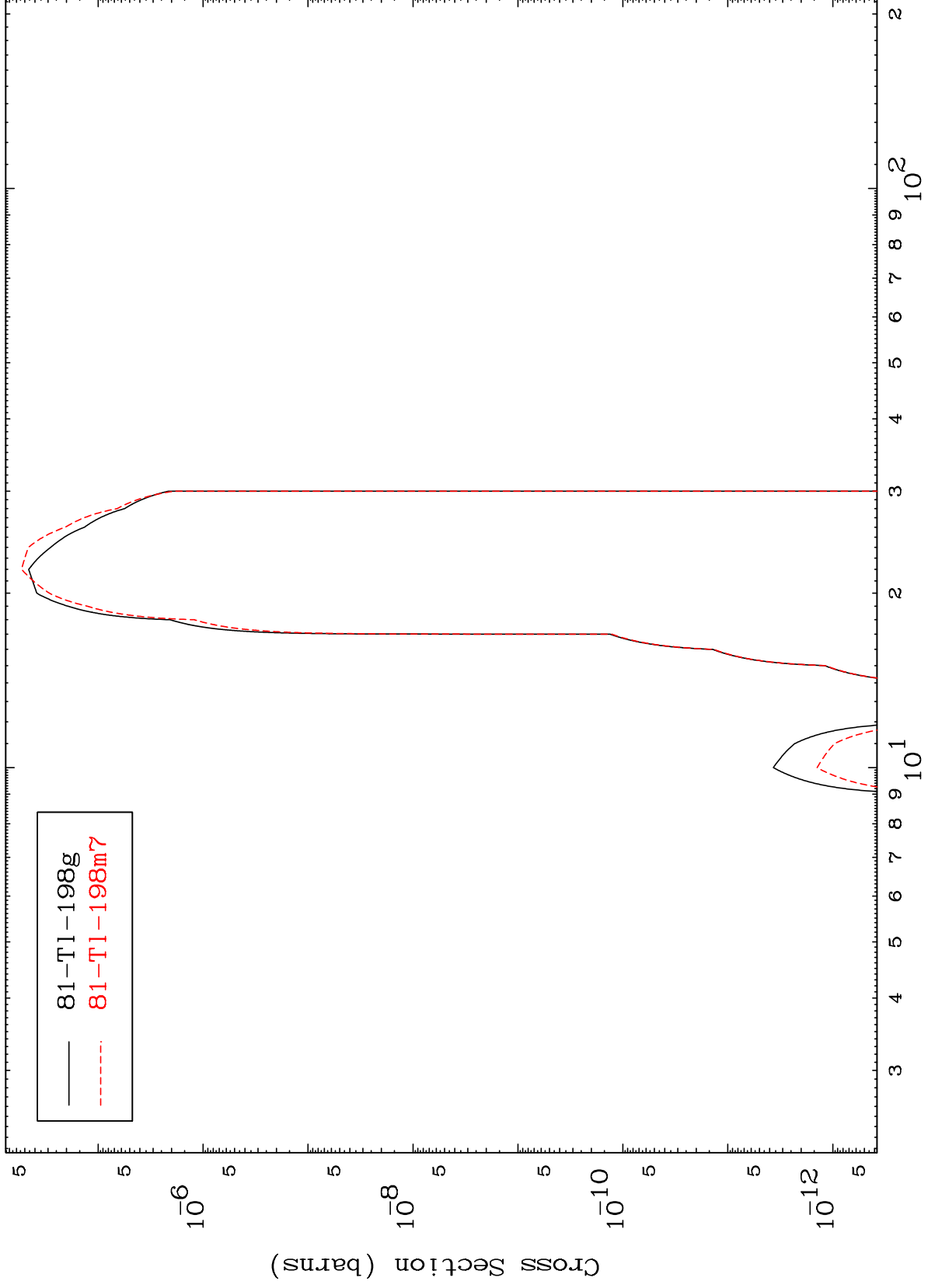
Radionuclide Production Cross Section



MAT 7916

79-Au-194

(α, γ)
Radionuclide Production Cross Section



19

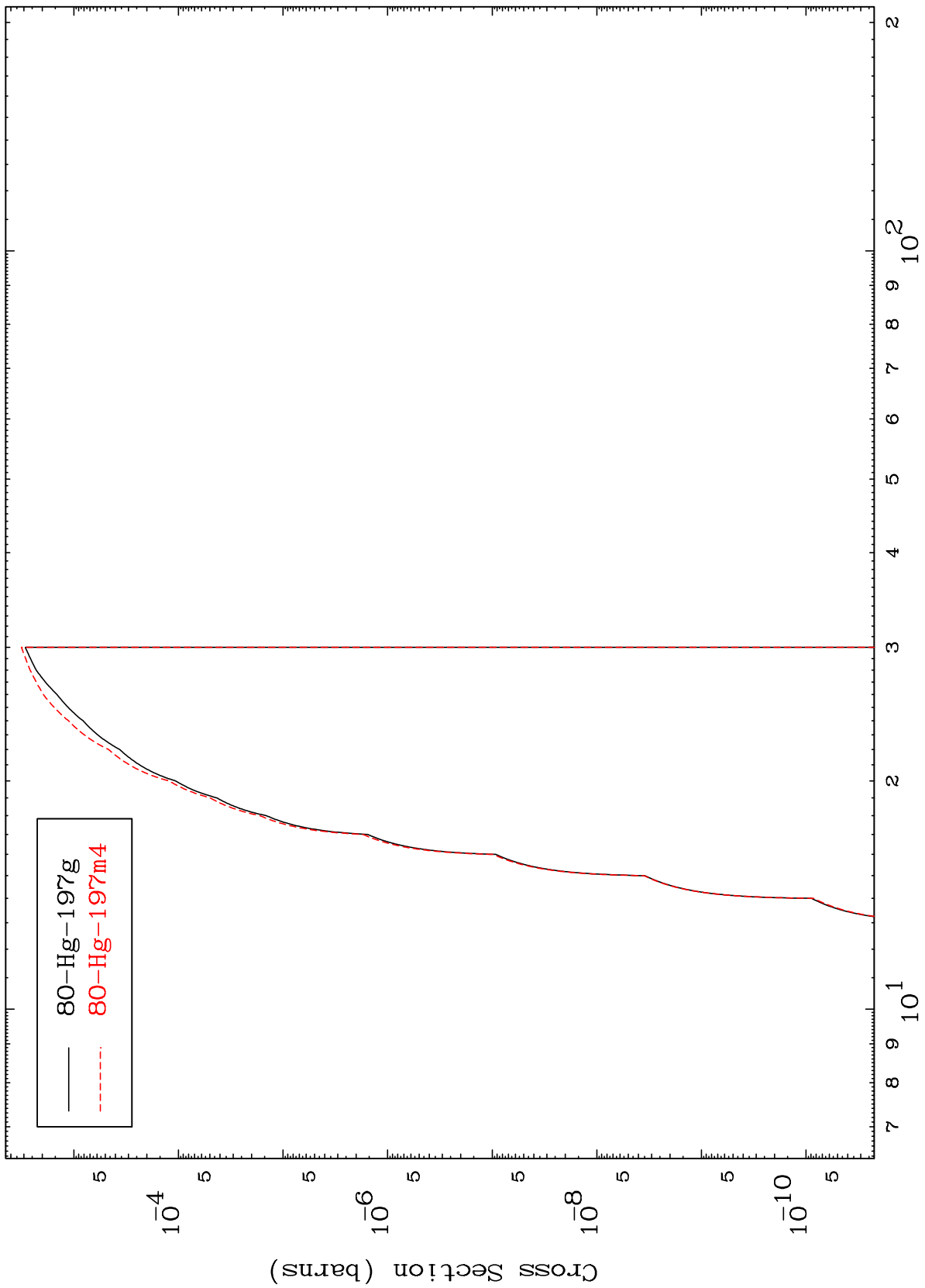
Incident Energy (MeV)

79-Au-194

MAT 7916

79-Au-194

(α, p)
Radionuclide Production Cross Section

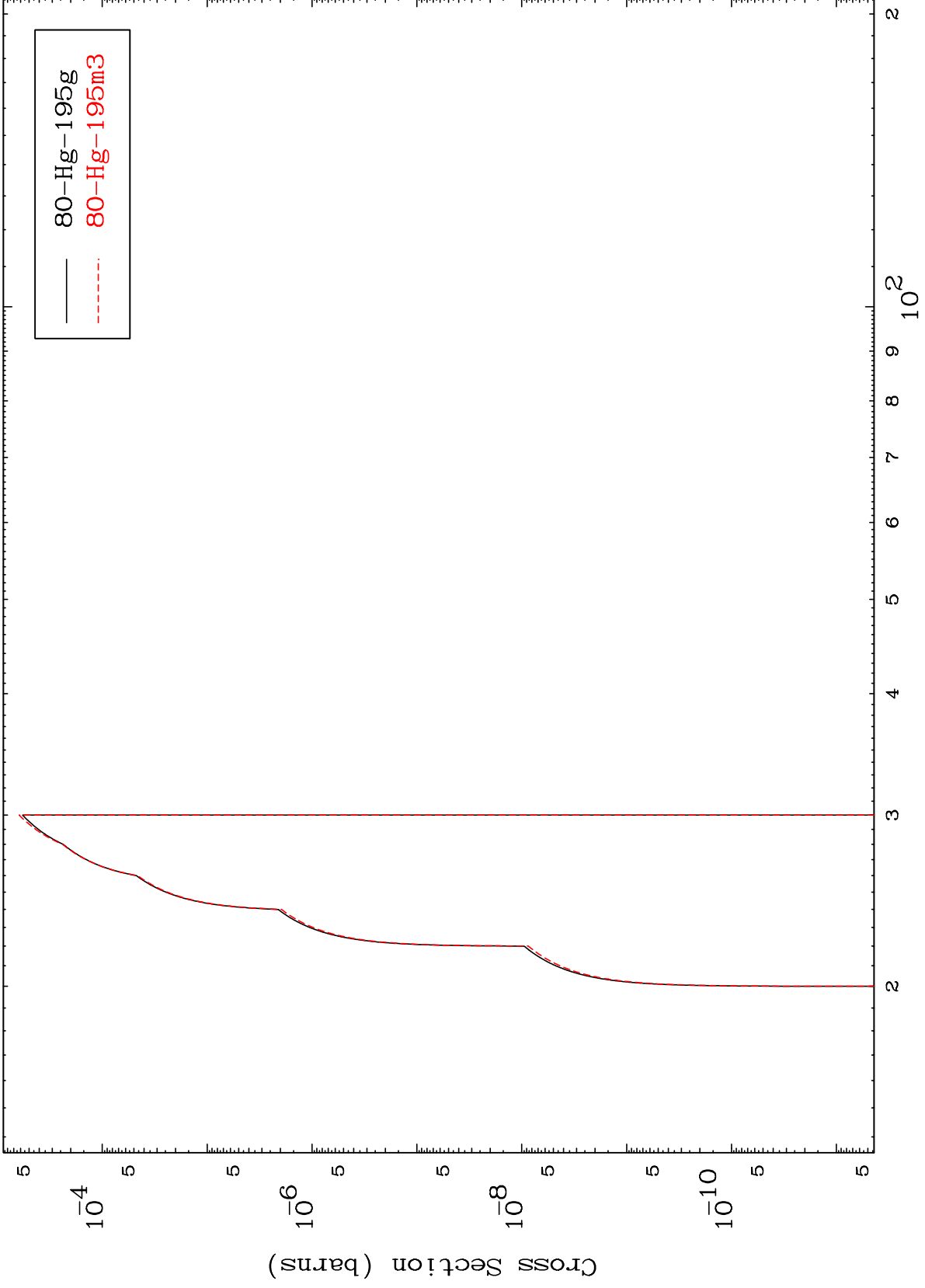


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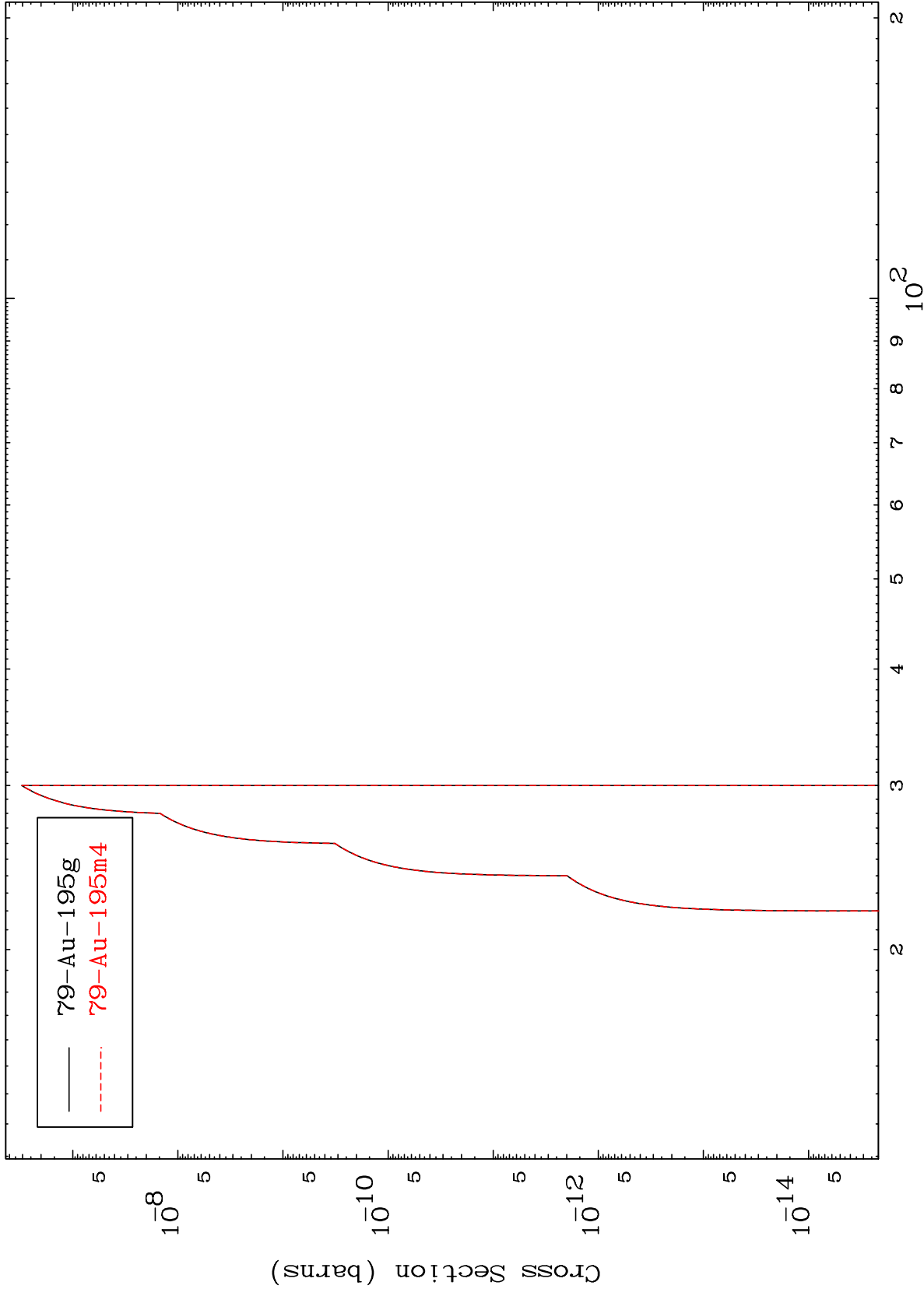
Incident Energy (MeV)

79-Au-194

(α, t)
Radionuclide Production Cross Section



Radionuclide Production Cross Section

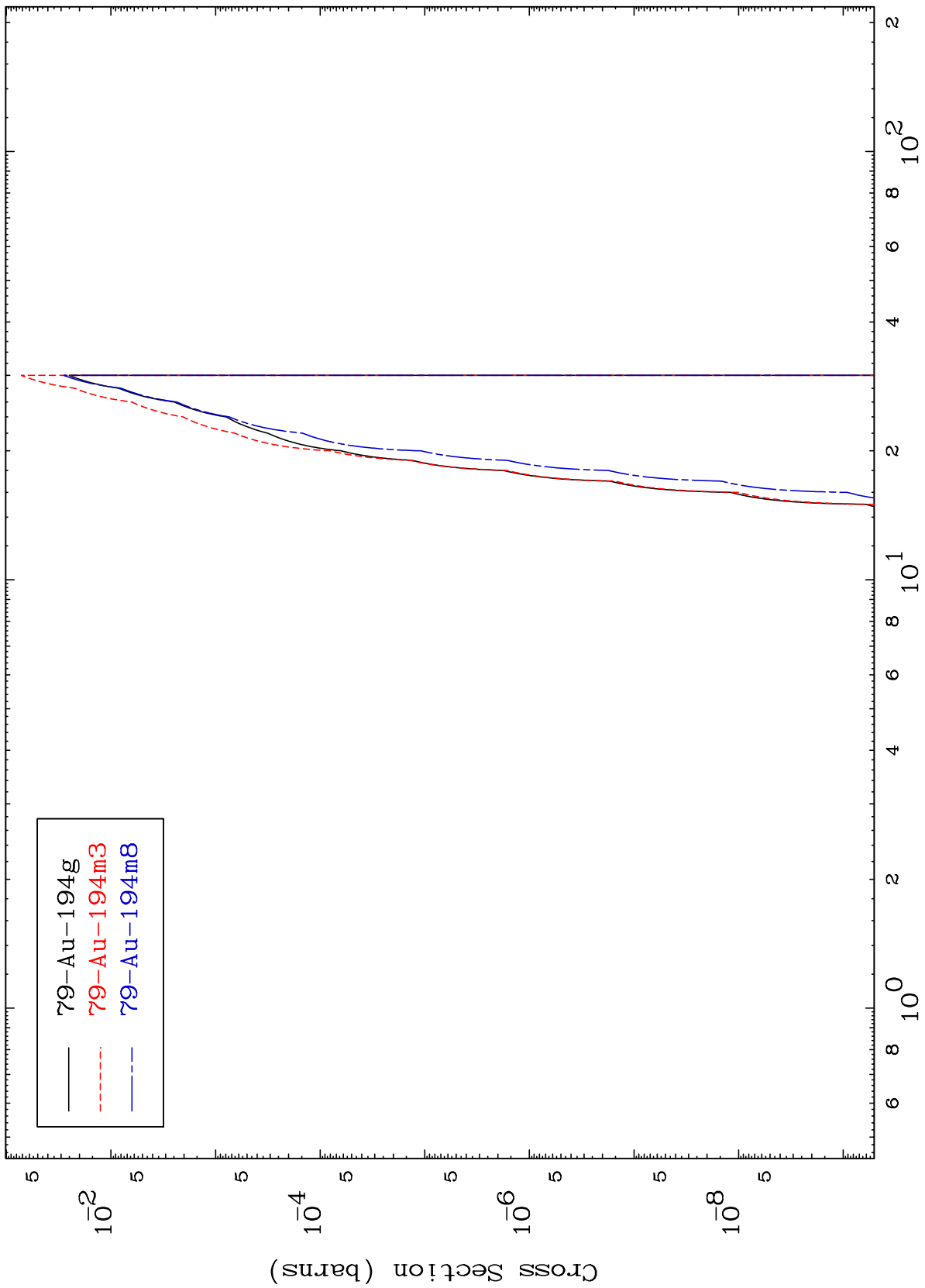


MAT 7916

(α, α)

⁷⁹Au-194

Radionuclide Production Cross Section



23

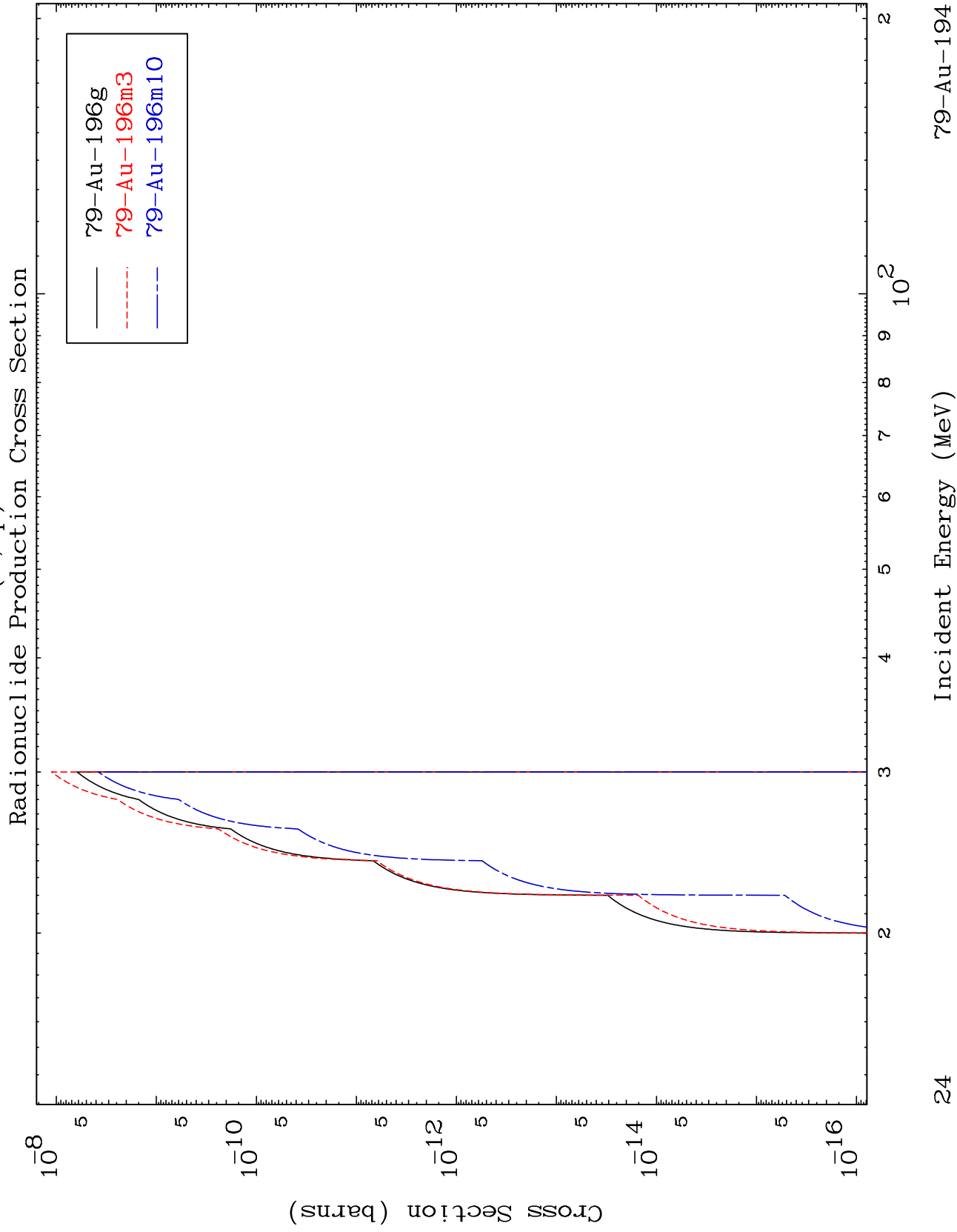
Incident Energy (MeV)

⁷⁹Au-194

MAT 7916

($\alpha, 2p$)

79-Au-194



24

Incident Energy (MeV)

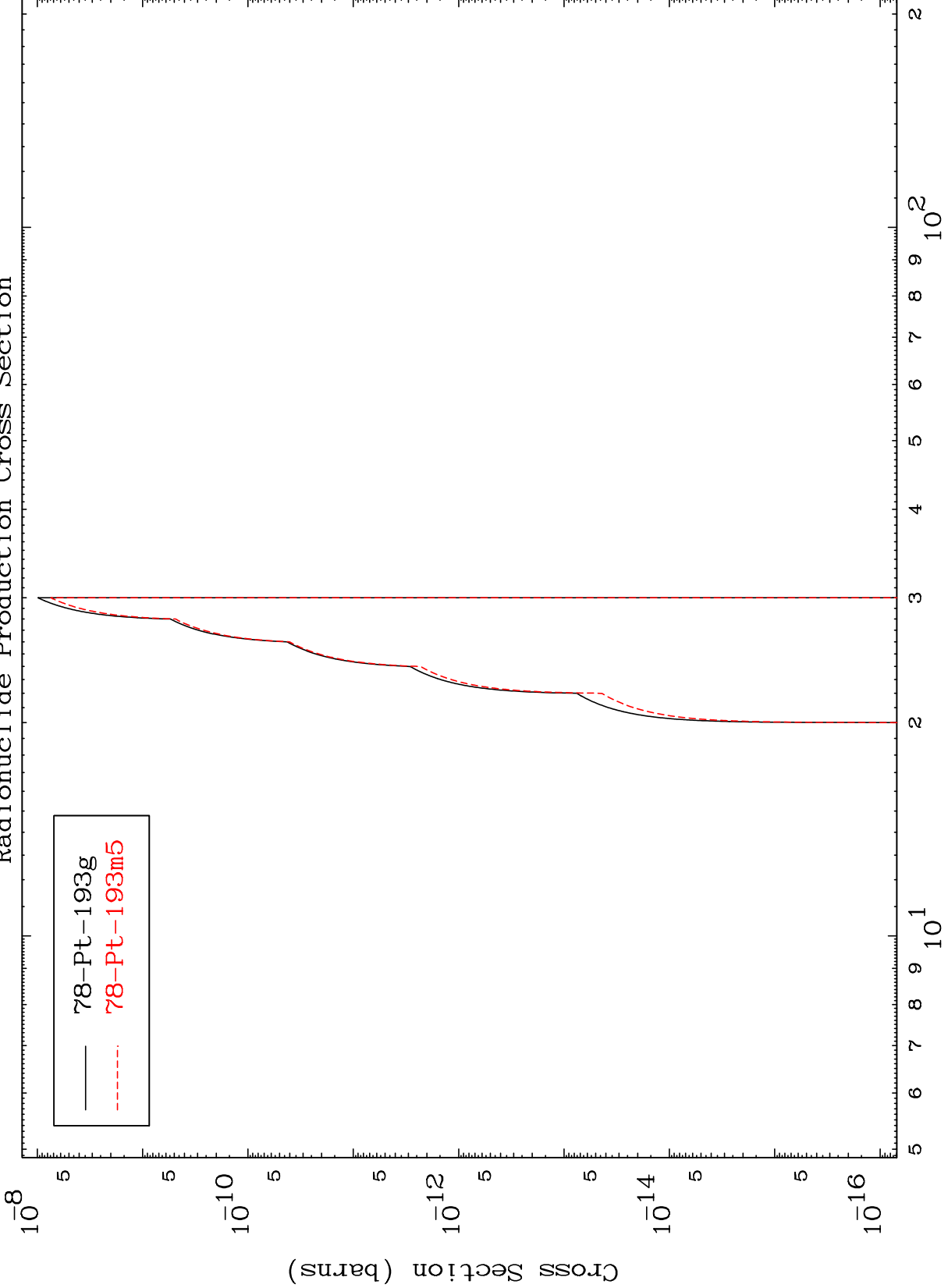
79-Au-194

MAT 7916

$(\alpha, p) \alpha$

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

Radionuclide Production Cross Section



78-Pt-193g
78-Pt-193m5

25

Incident Energy (MeV)

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