

Program EVALPLOT
(Version 2018-1)

by

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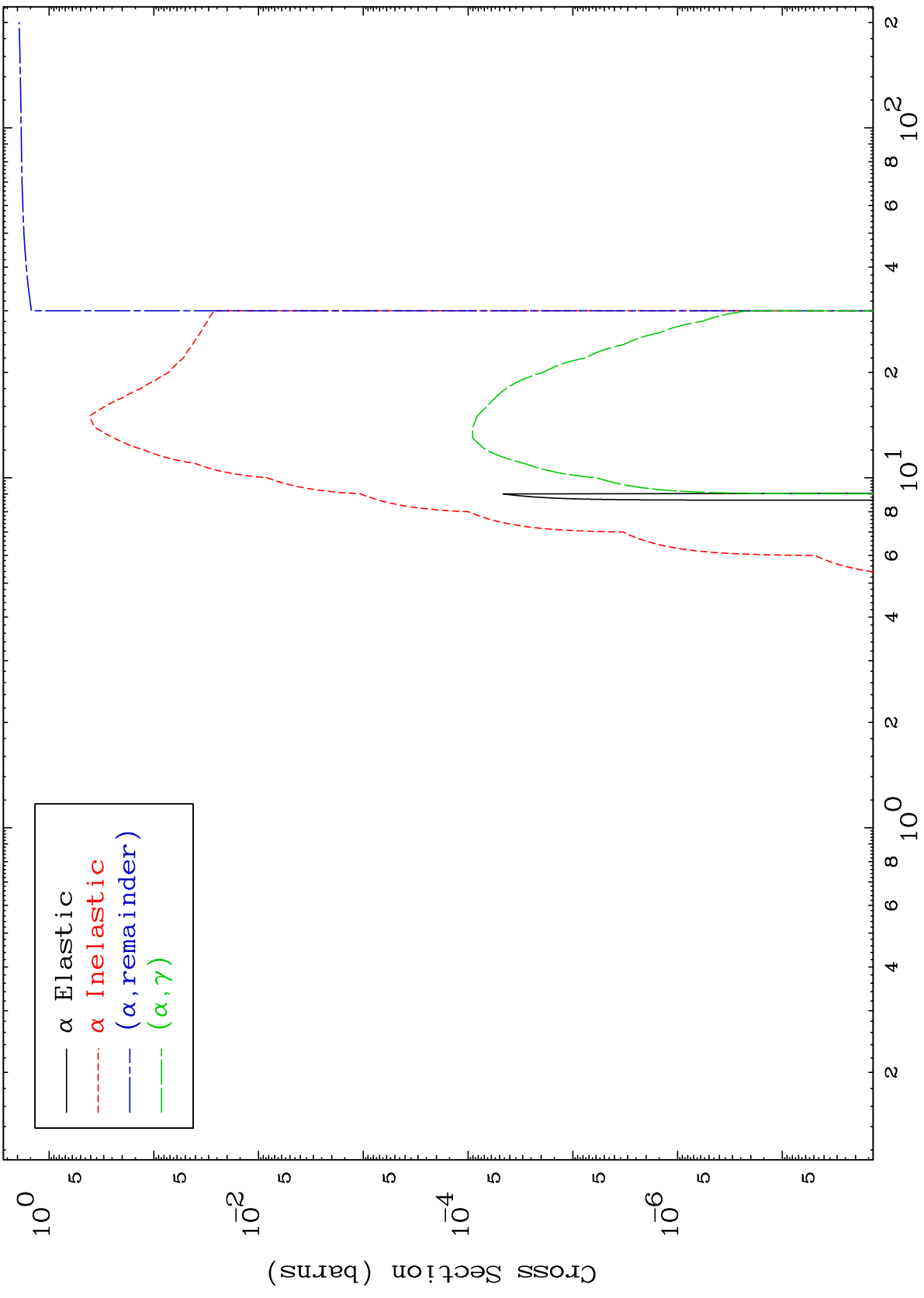
Press Mouse Button to Start

MAT 3928

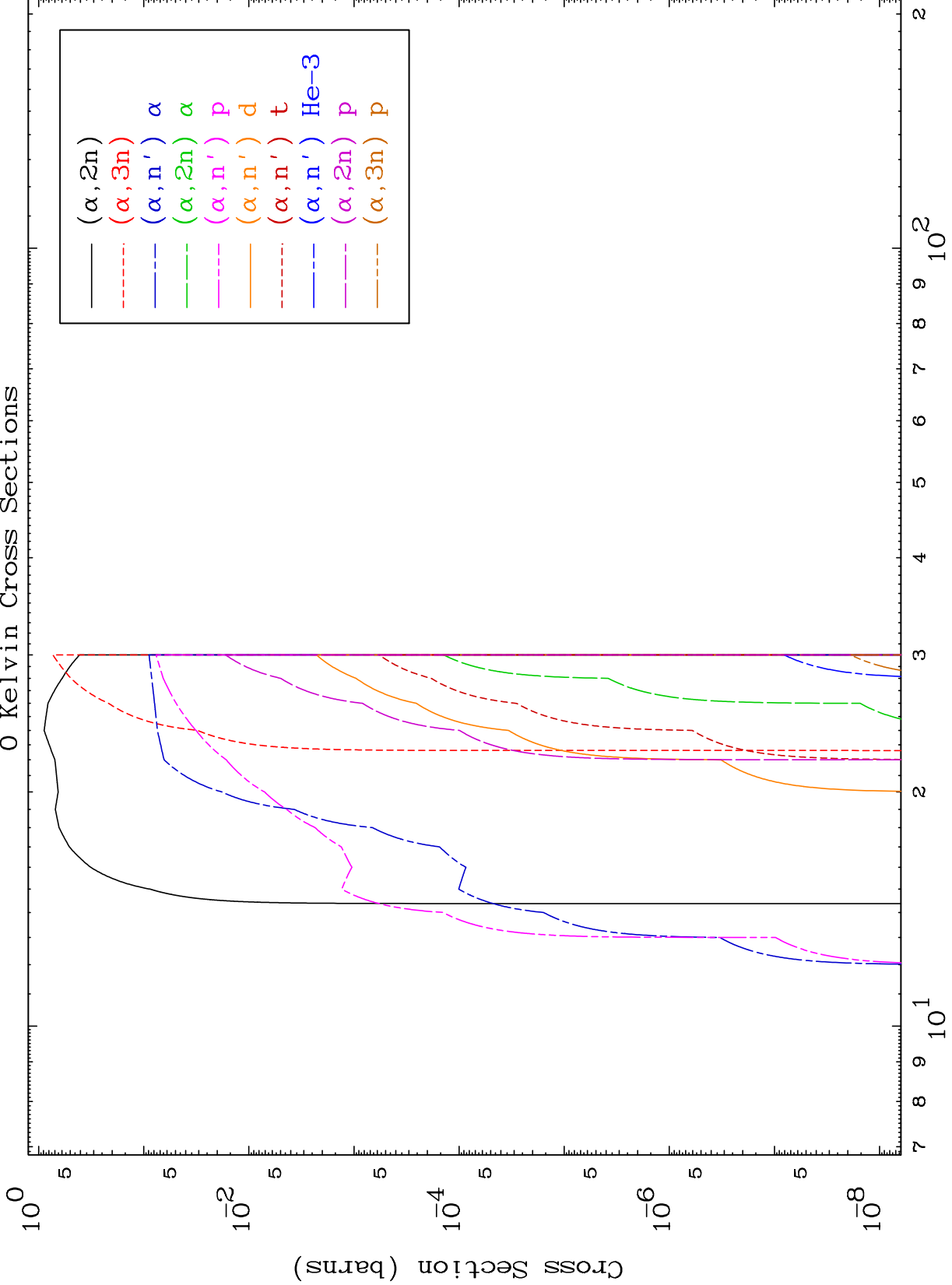
α Major

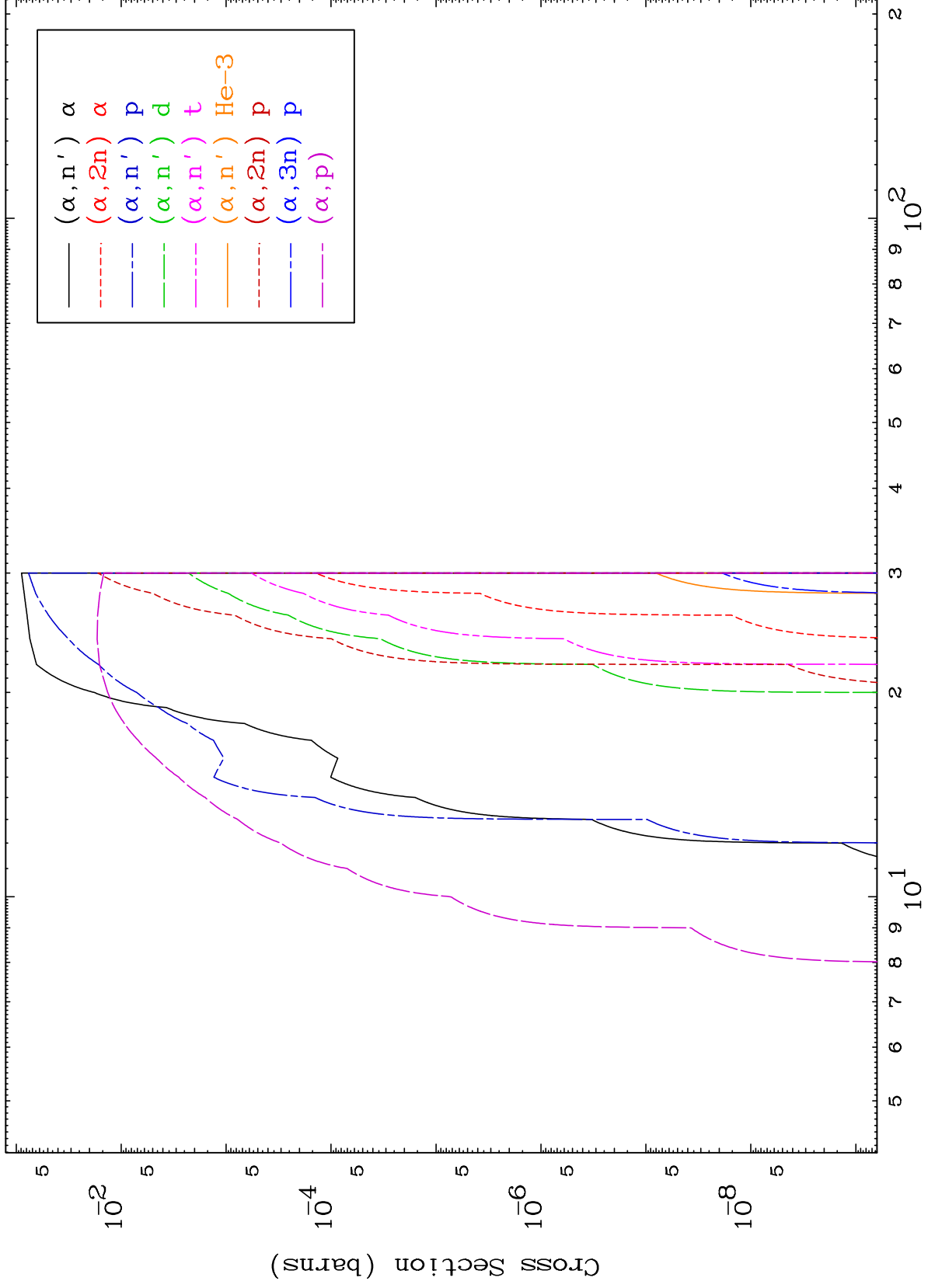
39-Y -90

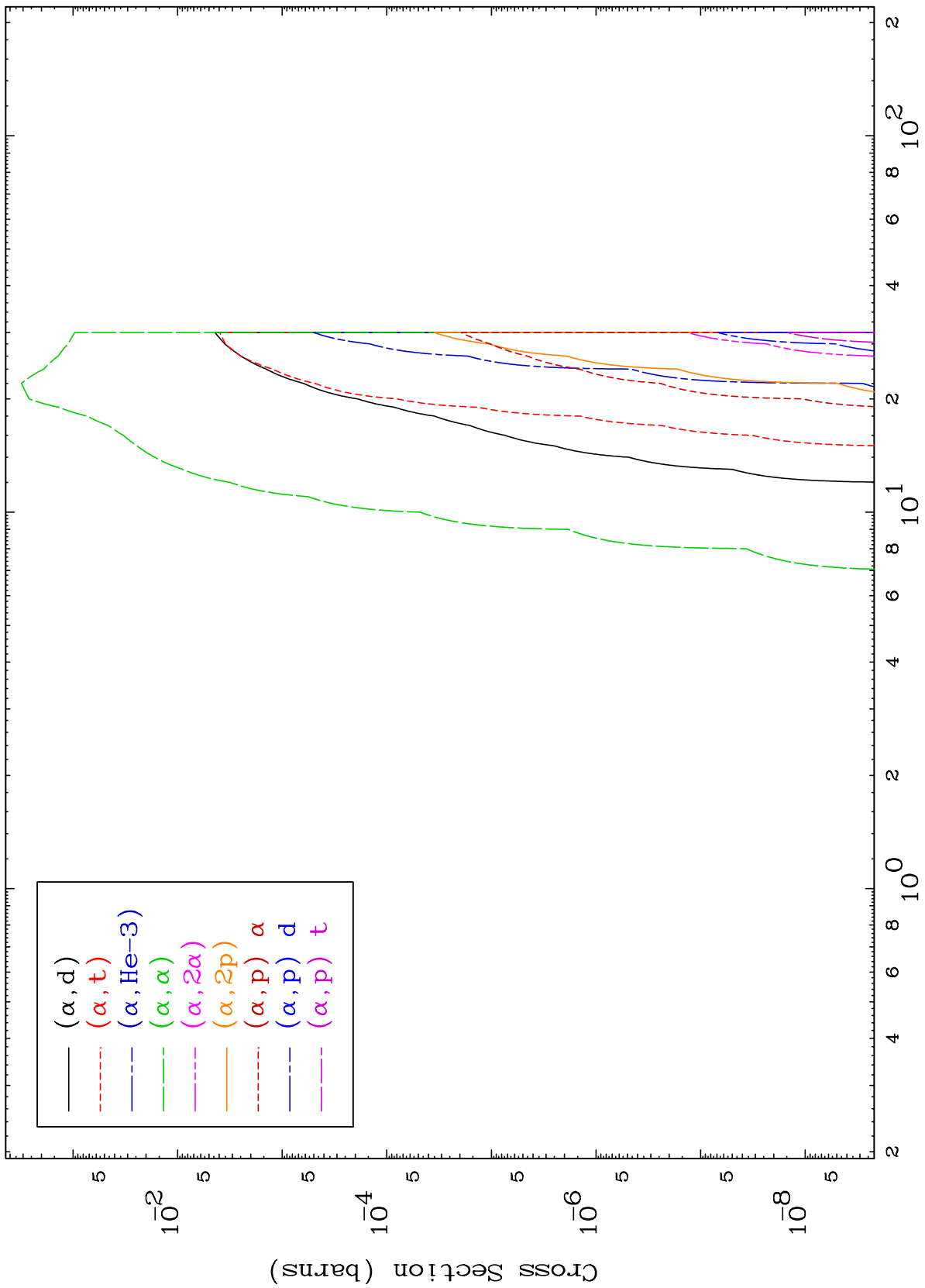
0 Kelvin Cross Sections



α Elastic
 α Inelastic
 $(\alpha, \text{remainder})$
 (α, γ)



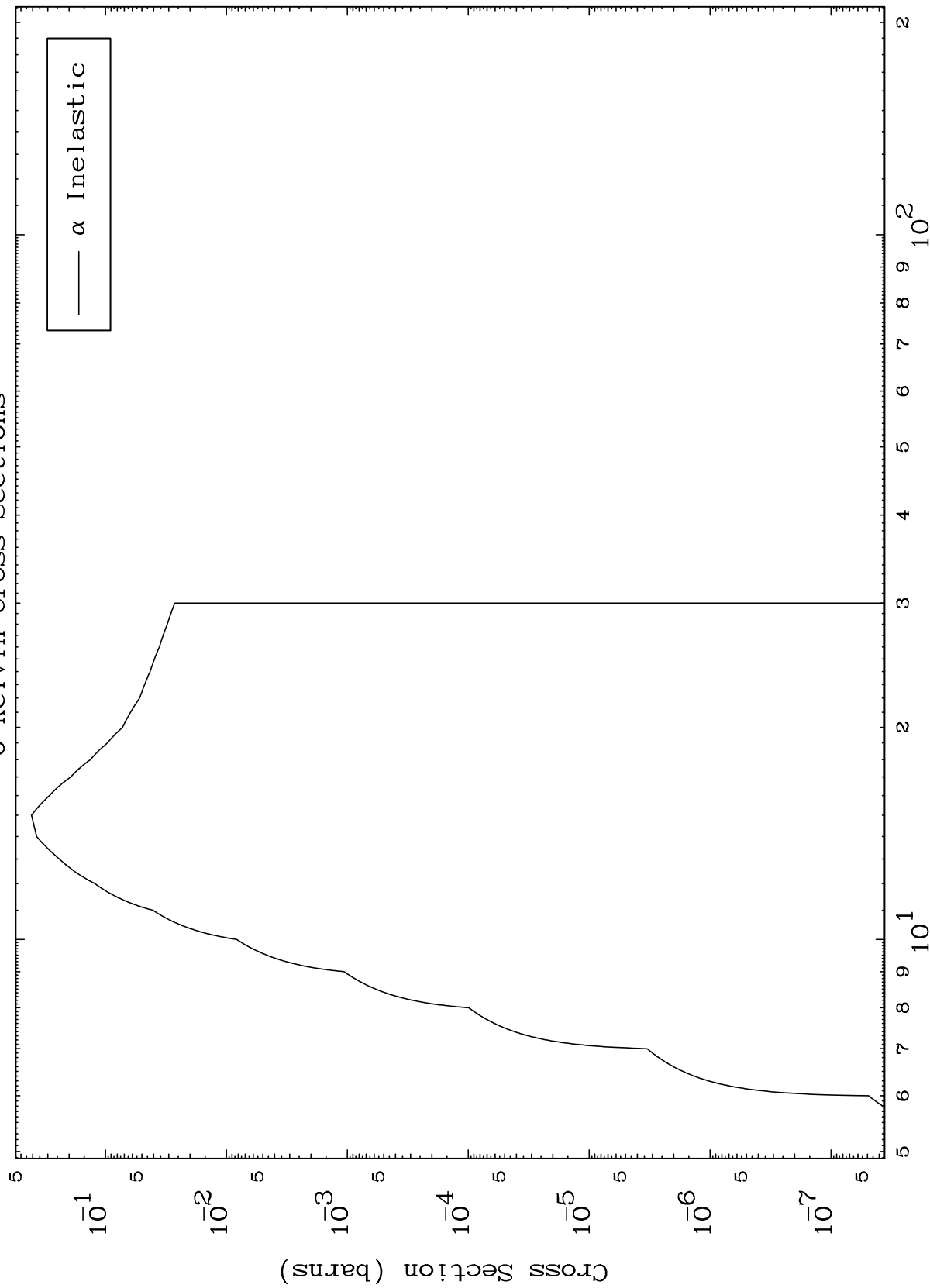




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(α, n') Level
0 Kelvin Cross Sections

39-Y -90



Incident Energy (MeV)

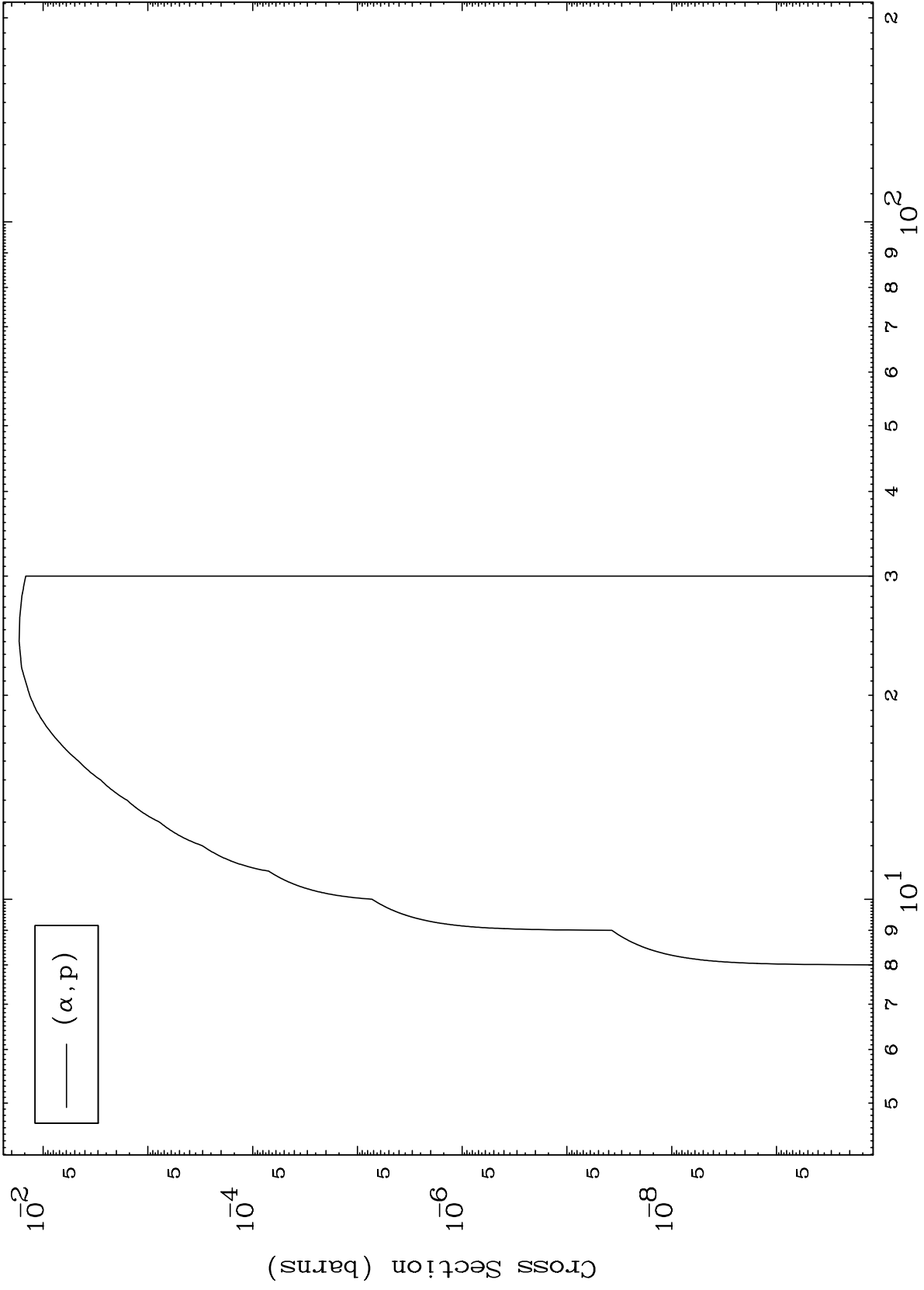
39-Y -90

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(α, p) Levels
0 Kelvin Cross Sections

39-Y -90



6

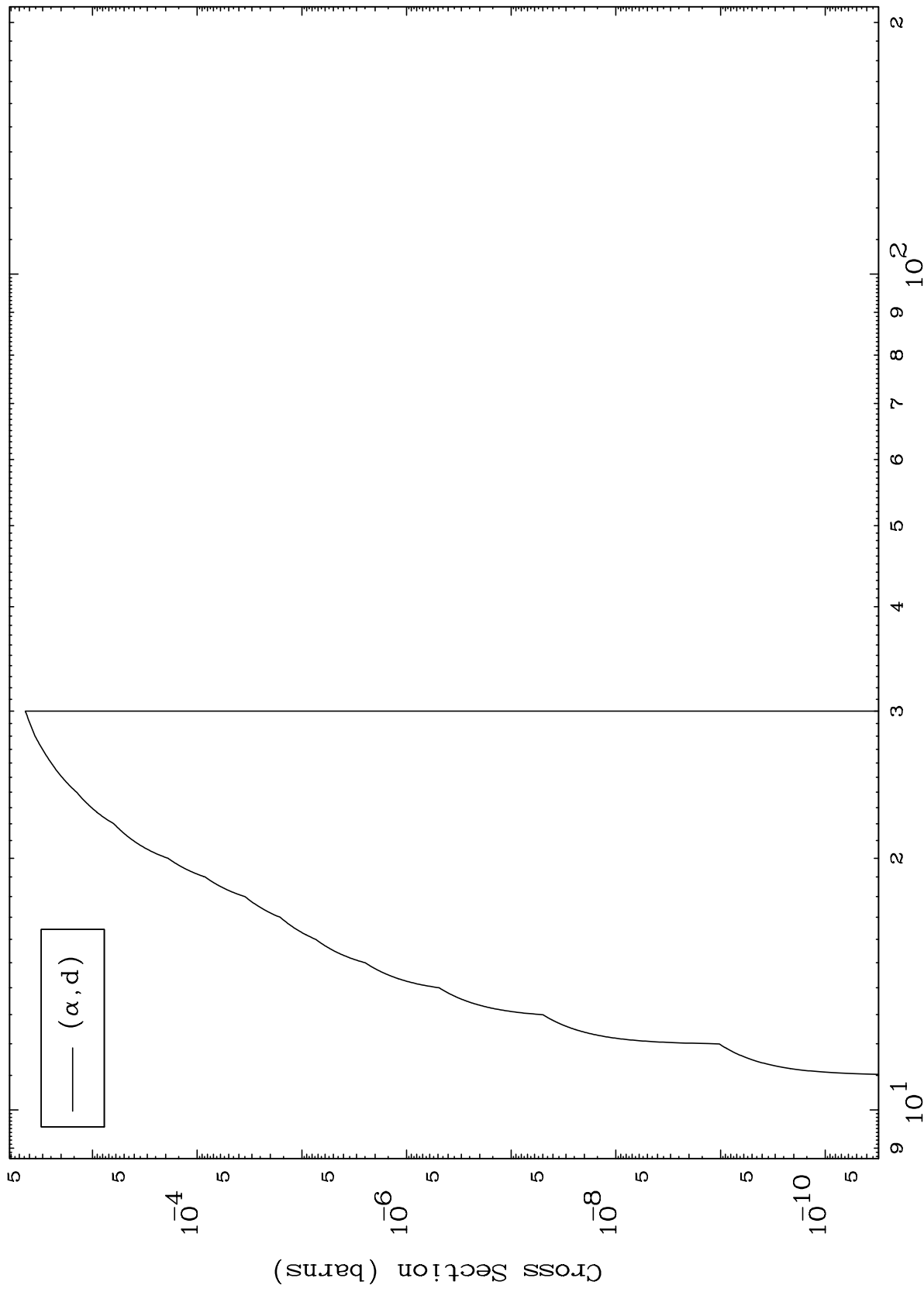
Incident Energy (MeV)

39-Y -90

MAT 3928

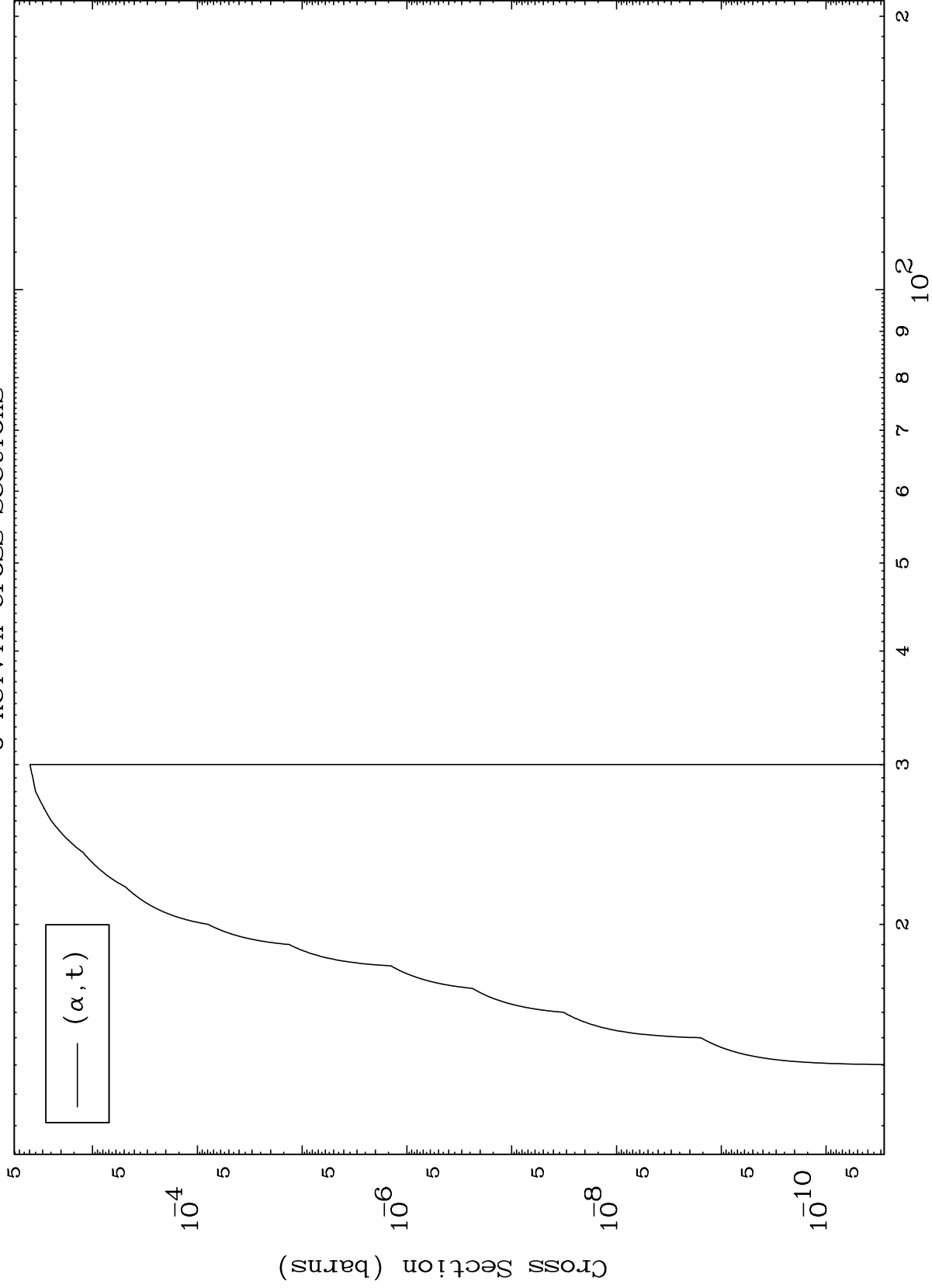
(α, d) Levels
0 Kelvin Cross Sections

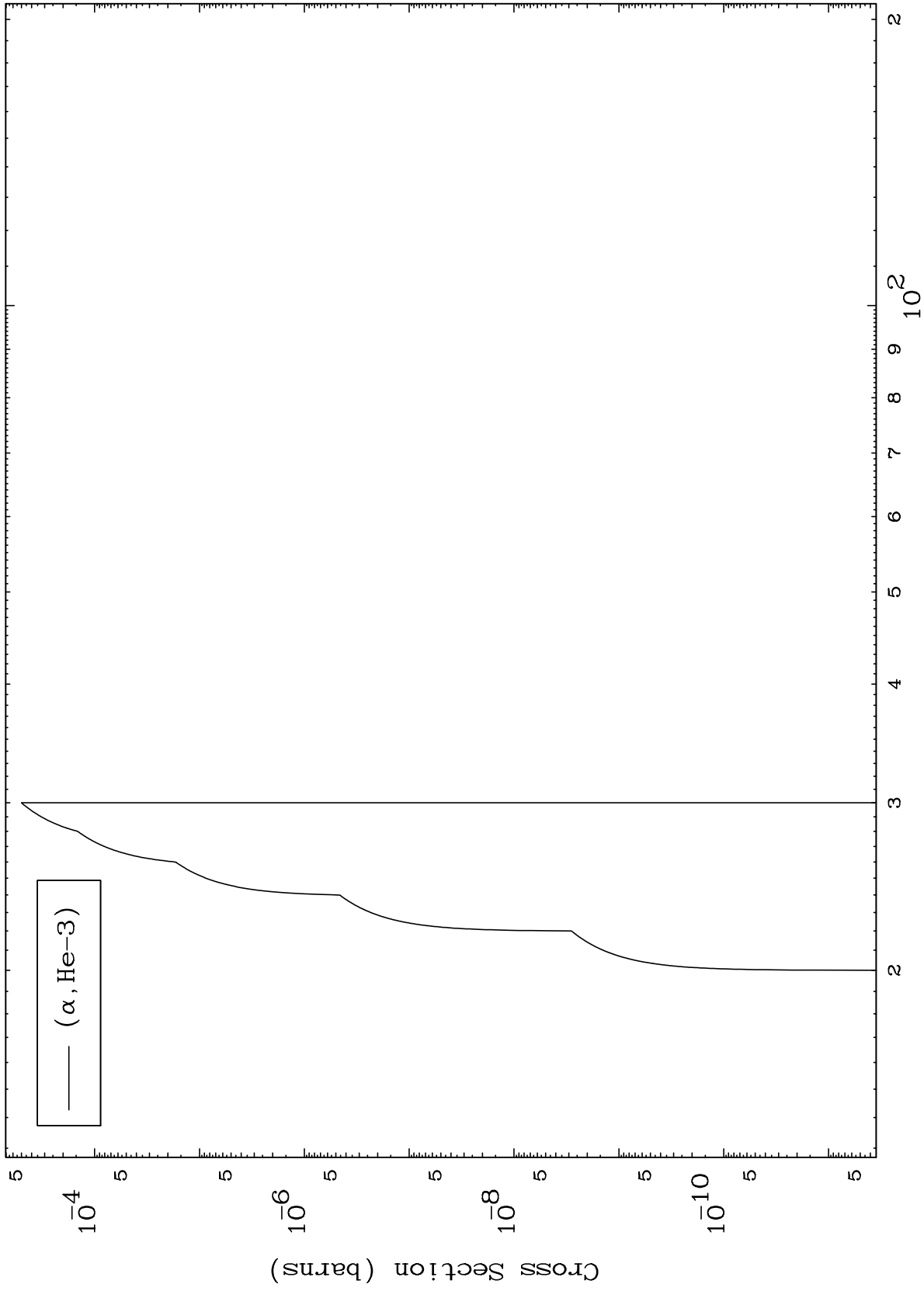
39-Y -90



Incident Energy (MeV)

39-Y -90



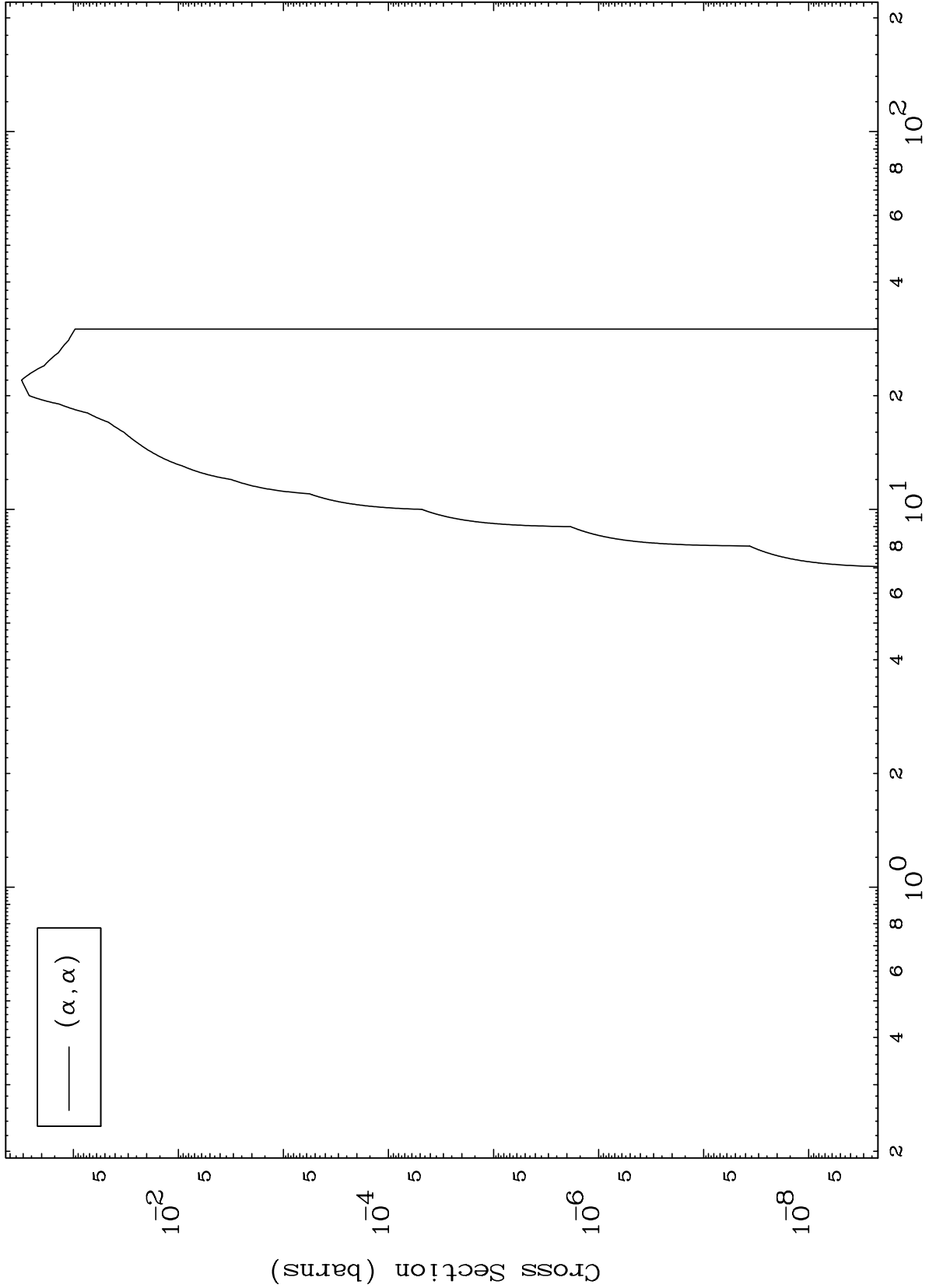


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(α, α) Levels

39-Y -90

0 Kelvin Cross Sections



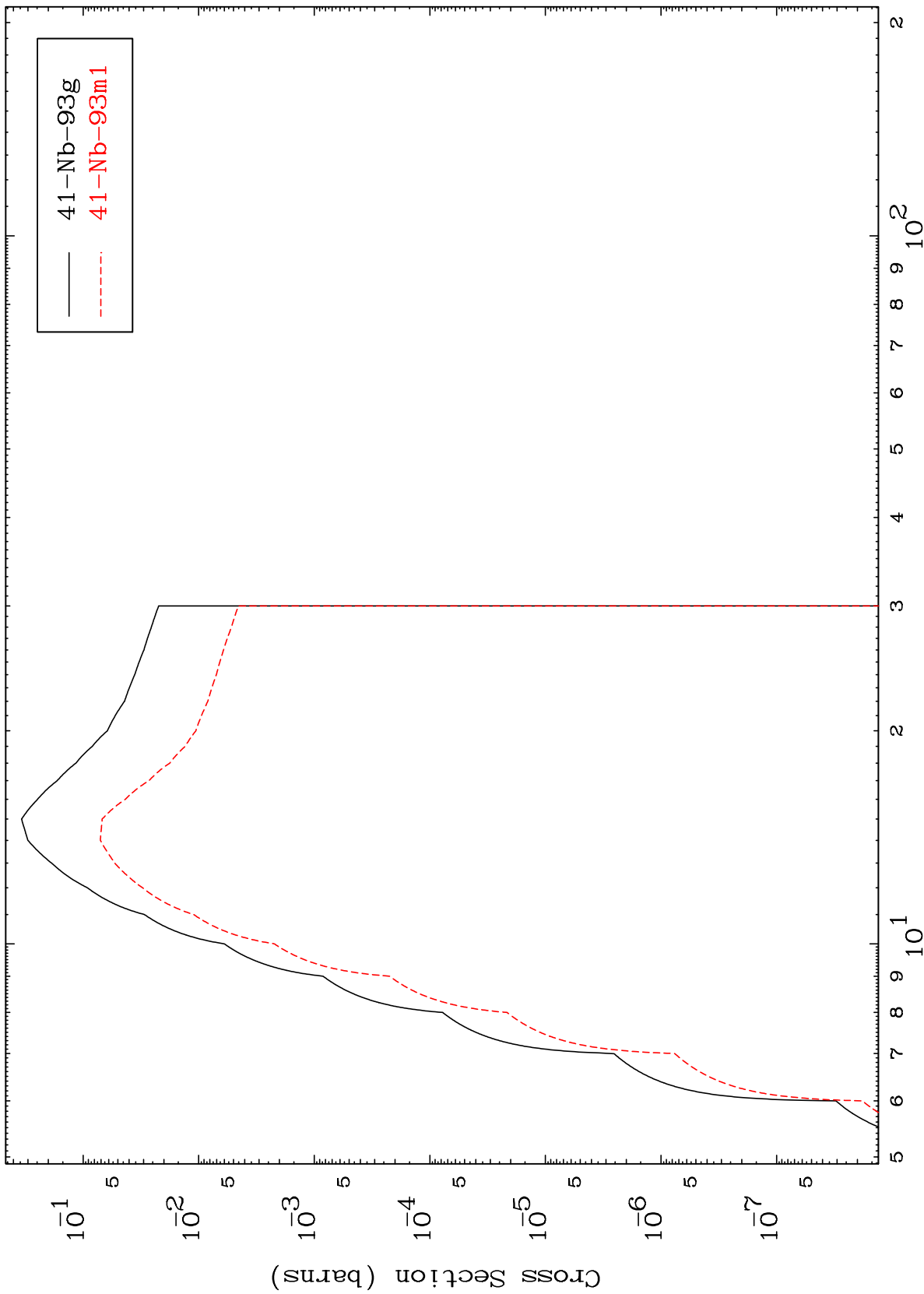
10

Incident Energy (MeV)

39-Y -90

Radionuclide Production Cross Section

α Inelastic

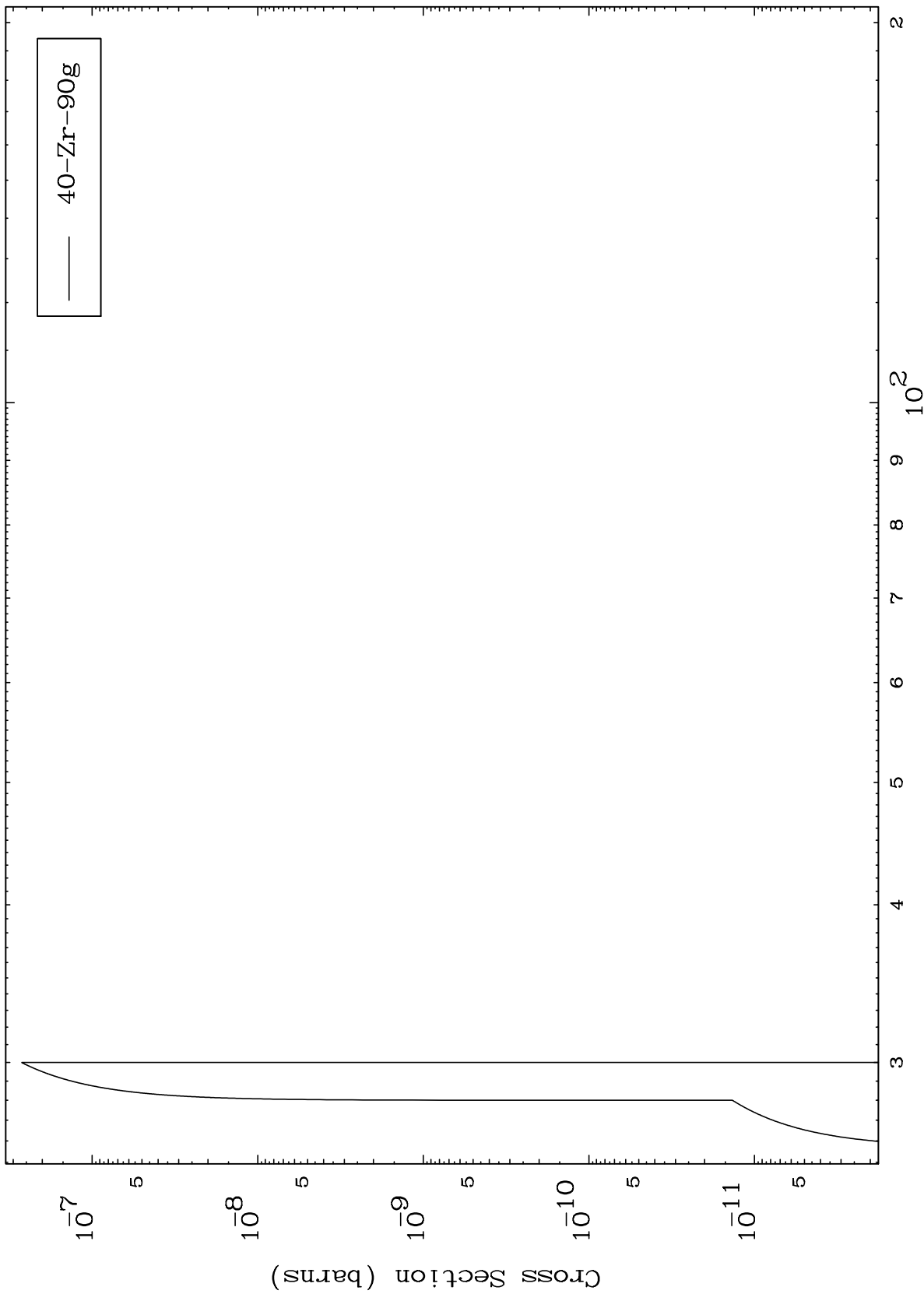


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($\alpha, 2n$) d

39-Y -90

Radionuclide Production Cross Section



12

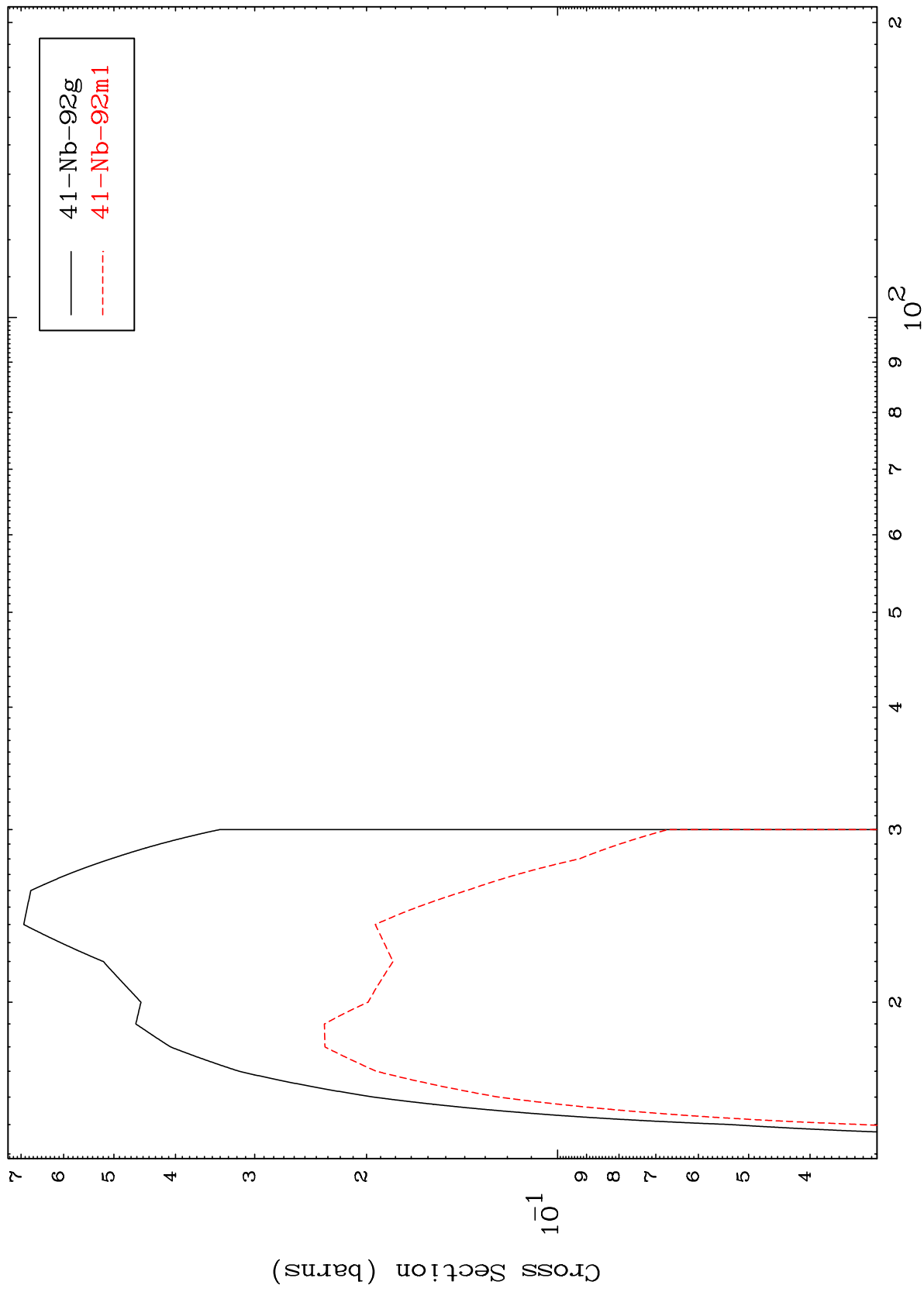
Incident Energy (MeV)

39-Y -90

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39-Y -90

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



41-Nb-92g
41-Nb-92m1

39-Y -90

Incident Energy (MeV)

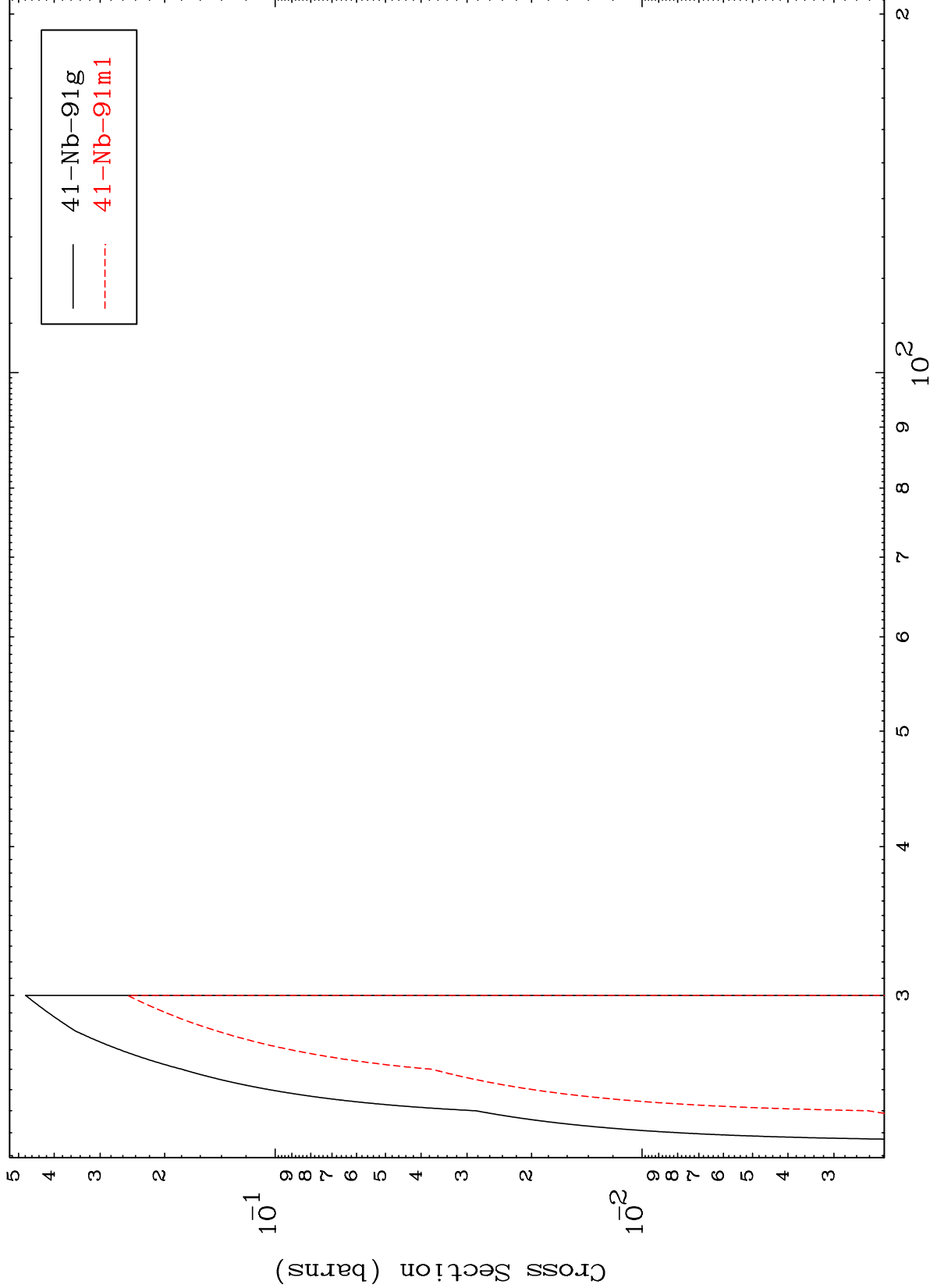
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($\alpha, 3n$)

39-Y -90

Radionuclide Production Cross Section



41-Nb-91g
41-Nb-91m1

14

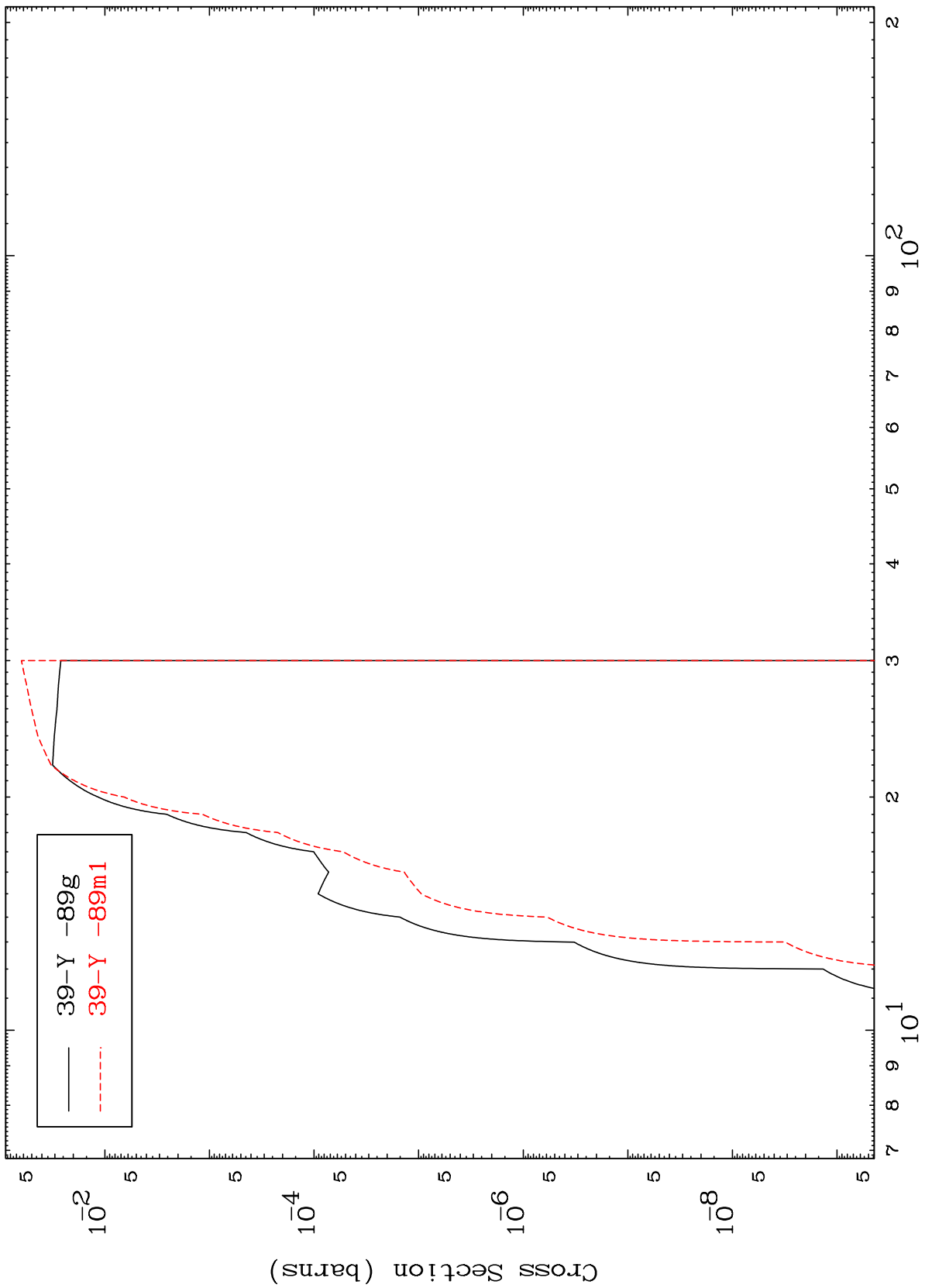
Incident Energy (MeV)

39-Y -90

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39-Y -90

(α, n') α
Radionuclide Production Cross Section

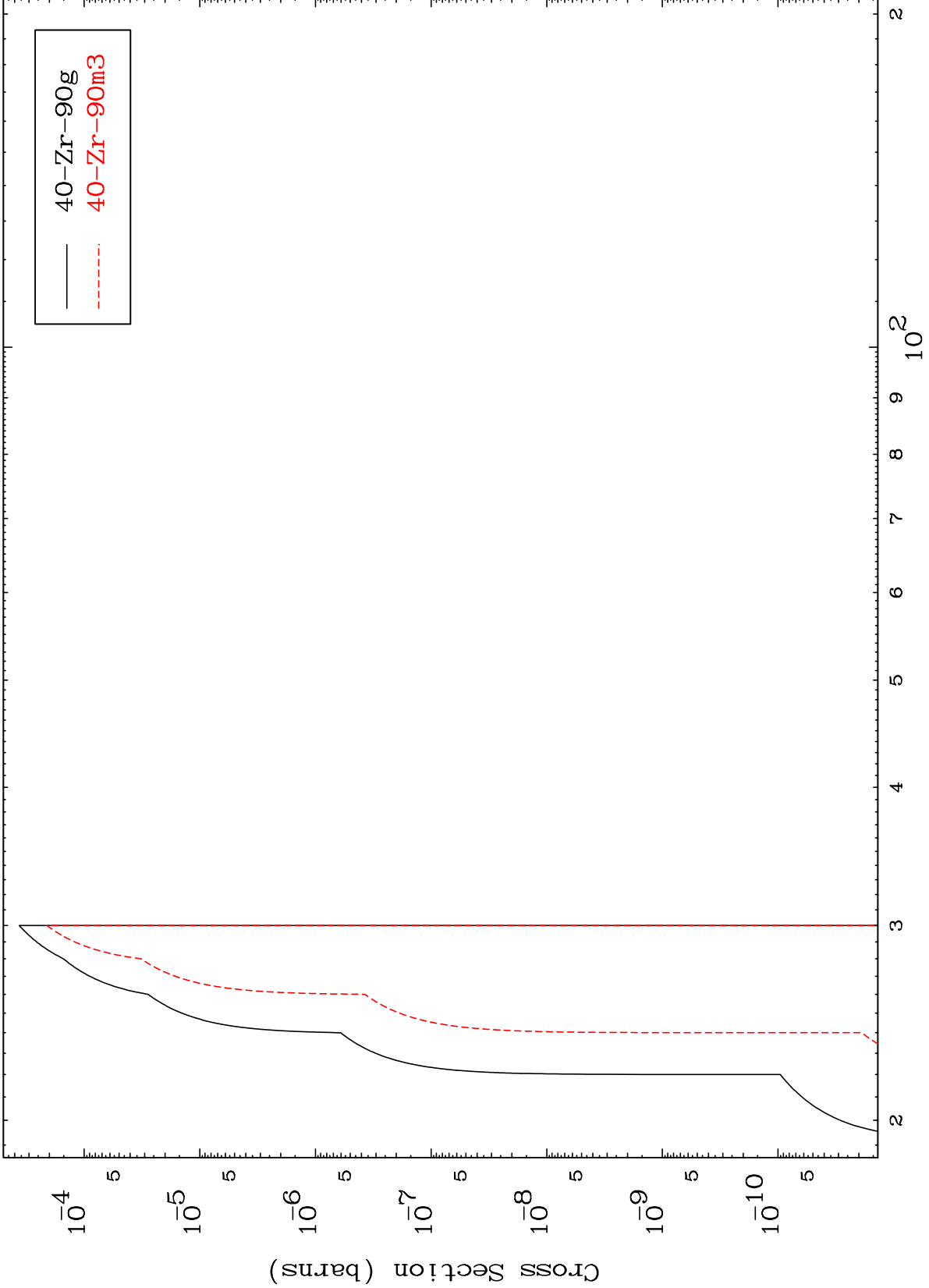


15

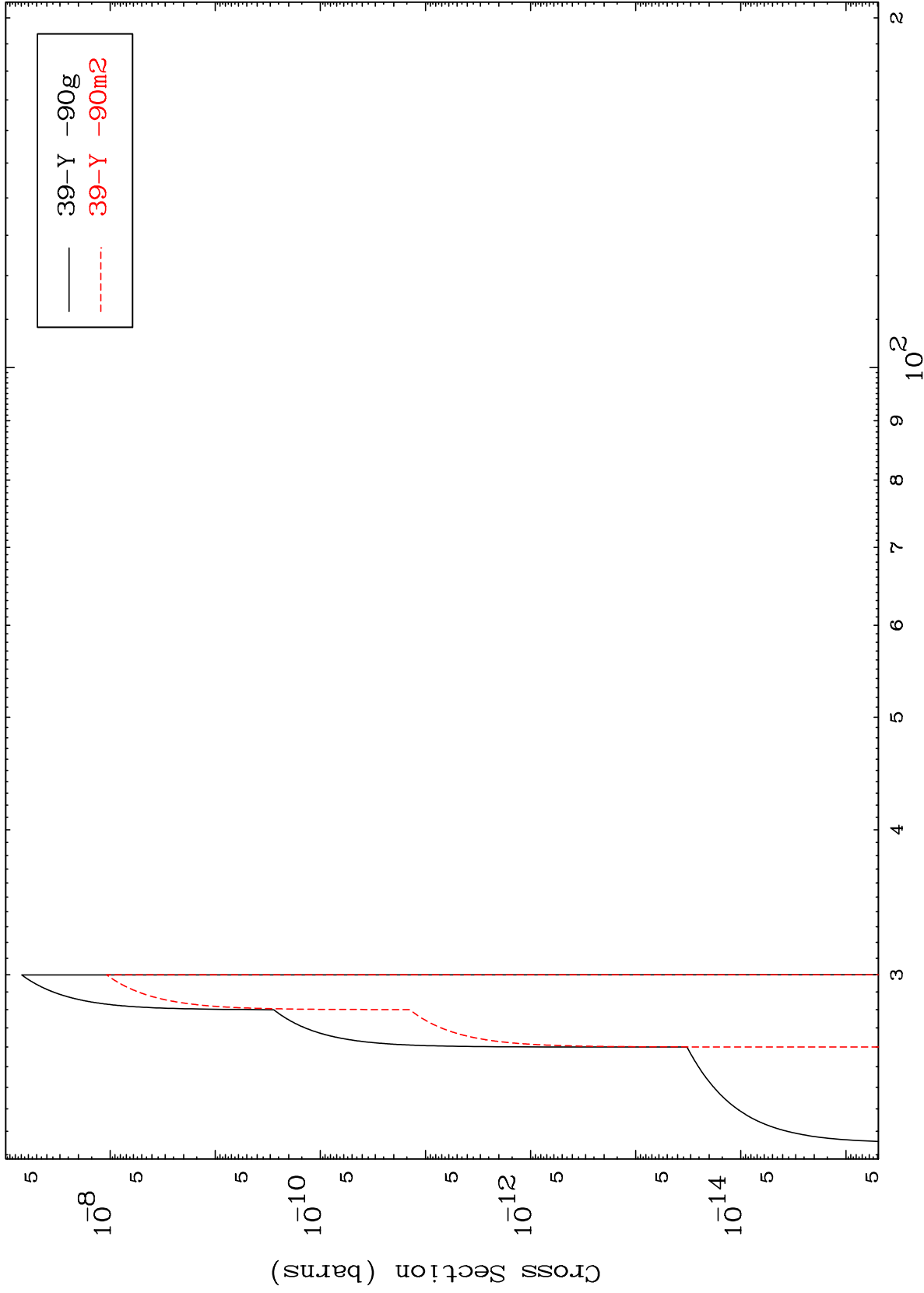
Incident Energy (MeV)

39-Y -90

Radionuclide Production Cross Section



Radionuclide Production Cross Section

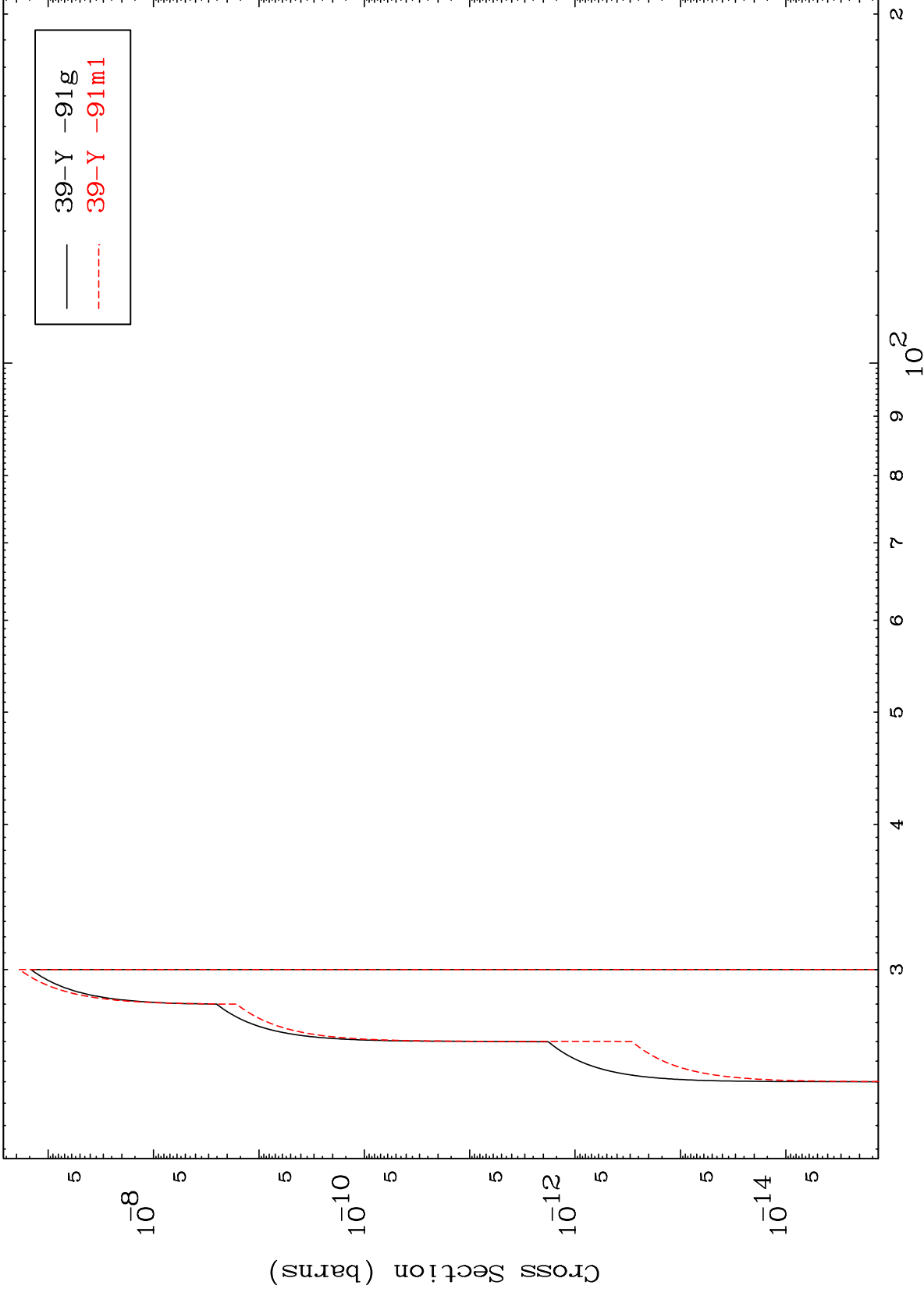


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$(\alpha, 2n)$ p

39-Y -90

Radionuclide Production Cross Section



18

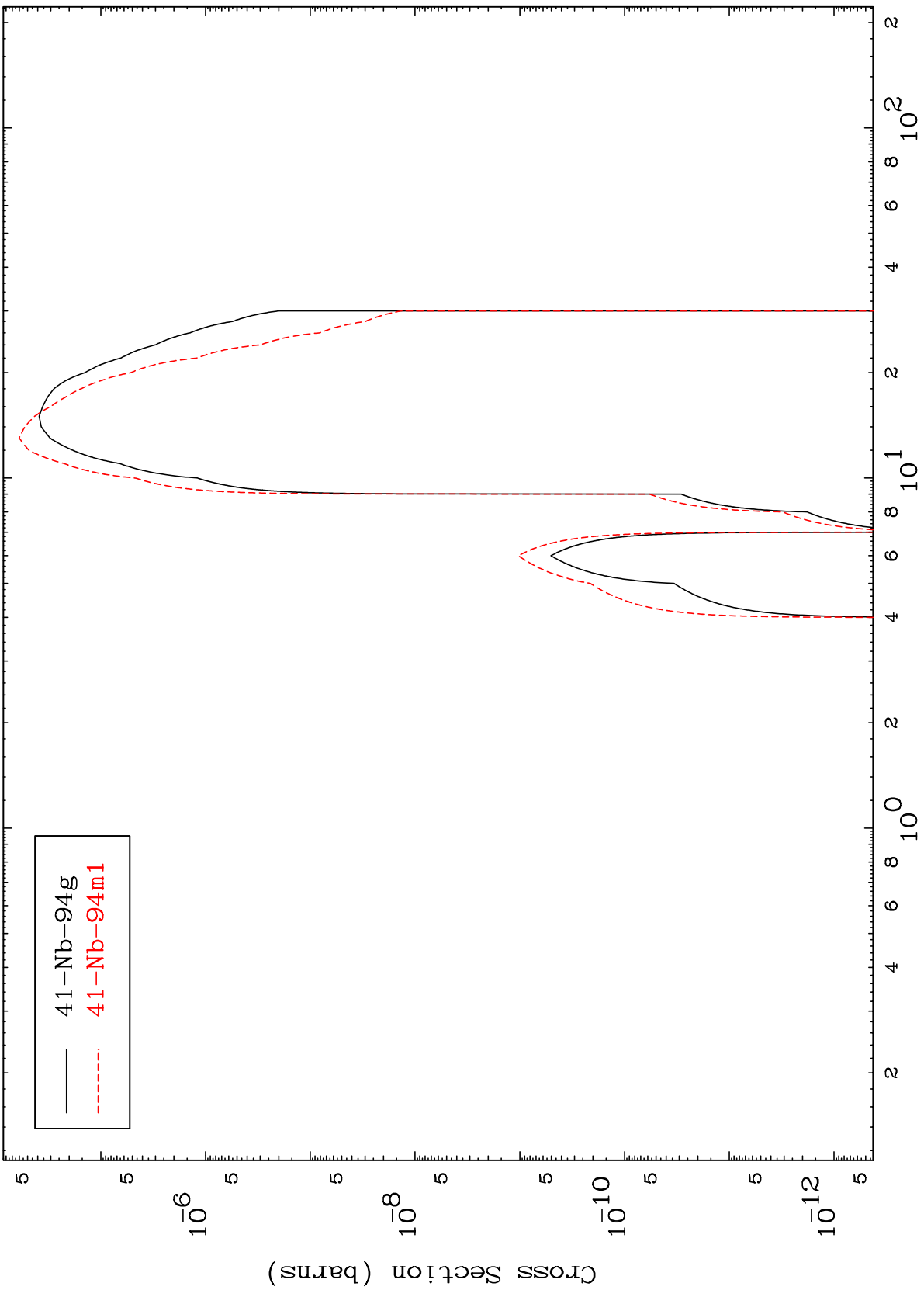
Incident Energy (MeV)

39-Y -90

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39-Y -90

Radionuclide Production Cross Section
(α, γ)



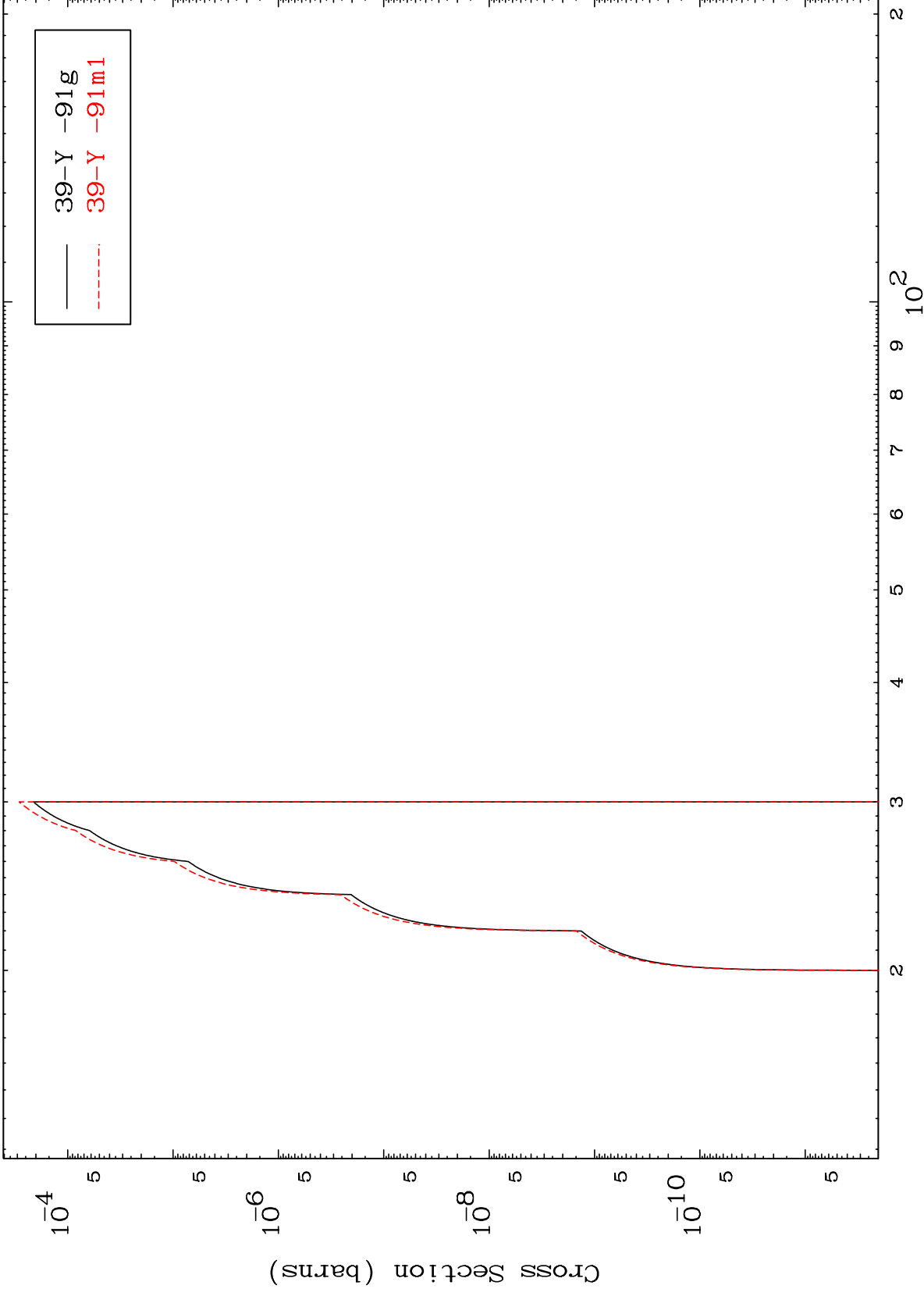
— 41-Nb-94g
- - - 41-Nb-94m1

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

39-Y -90

Radionuclide Production Cross Section



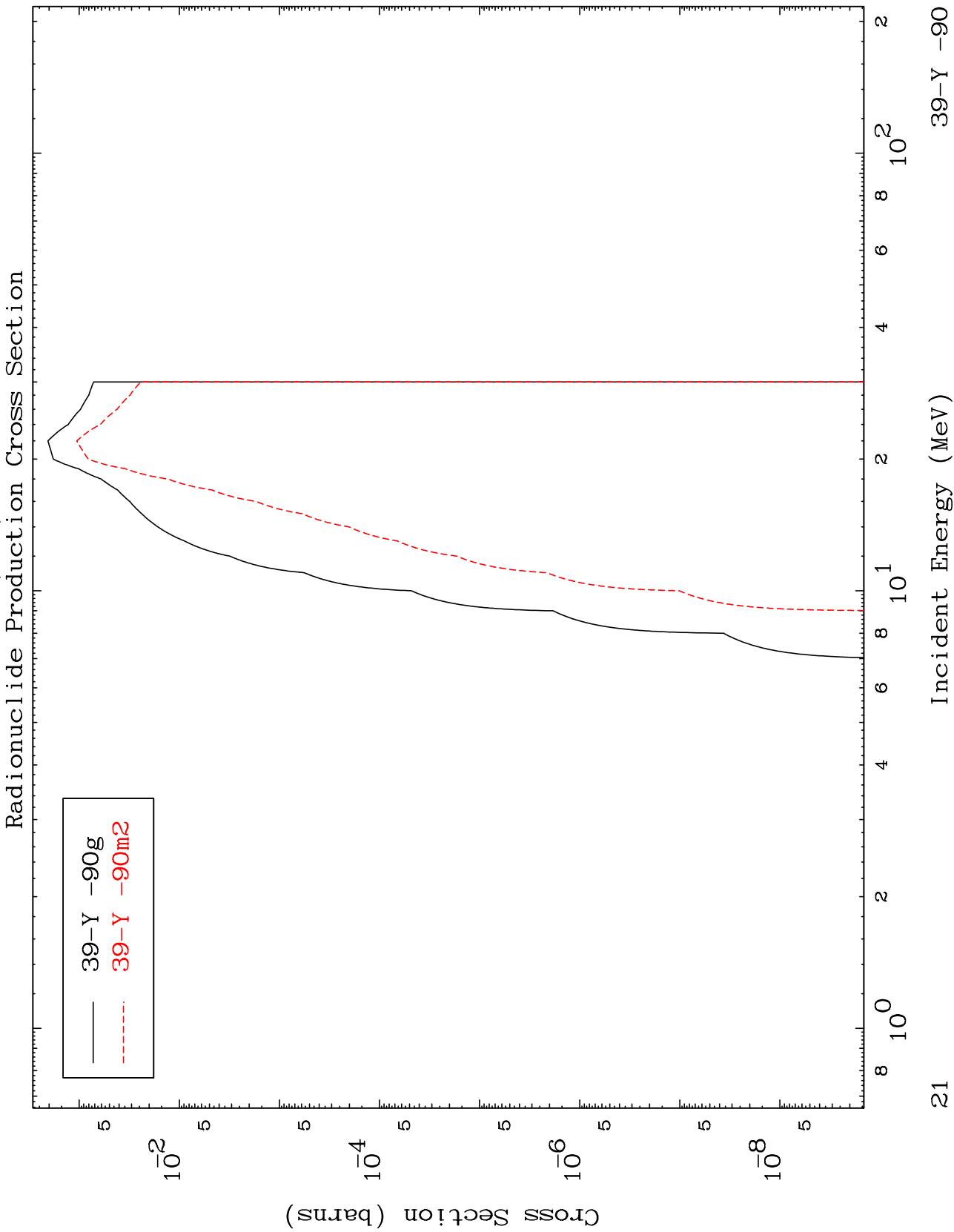
20

Incident Energy (MeV)

39-Y -90

MAT 3928

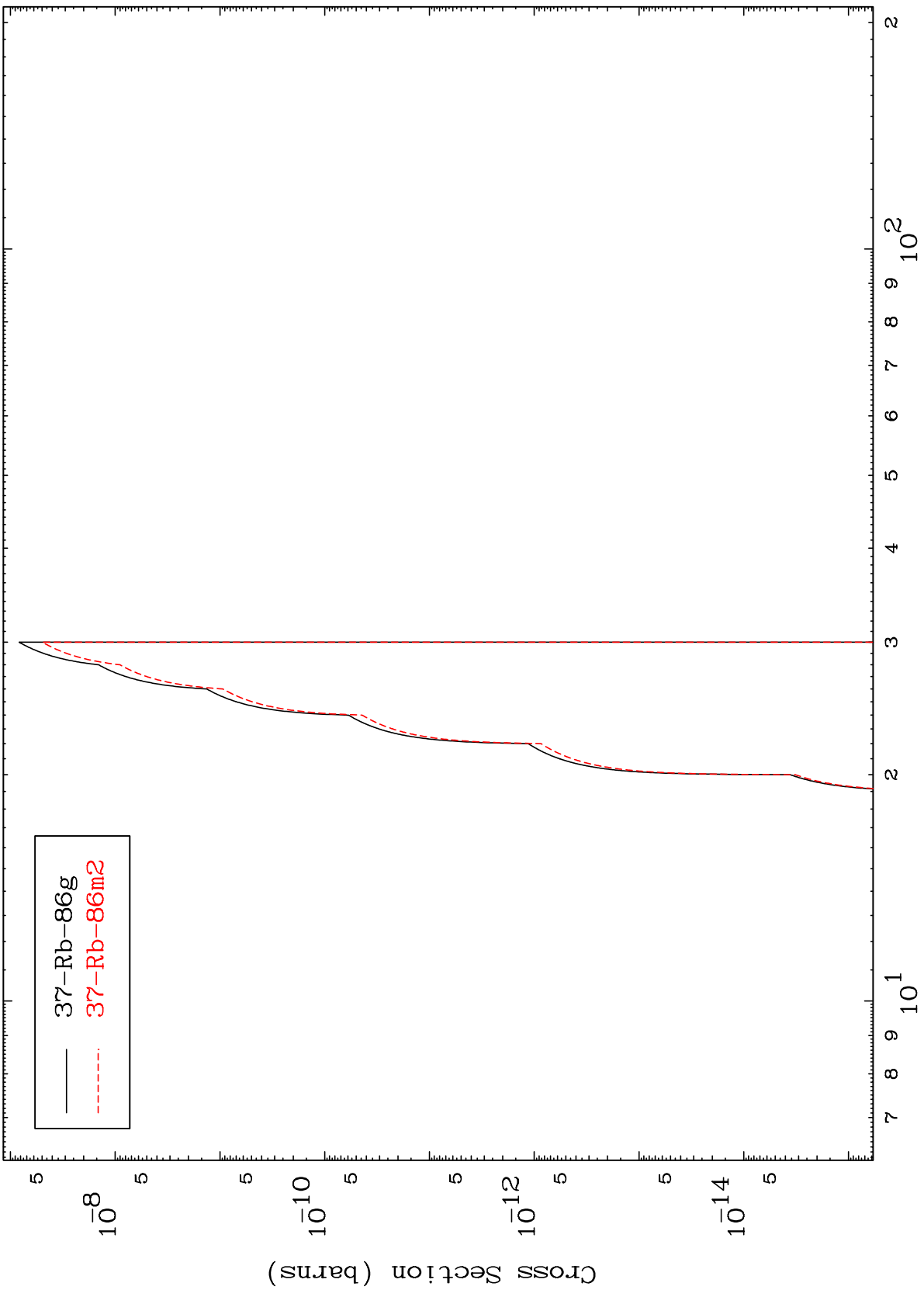
39-Y -90



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39-Y -90

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



— 37-Rb-86g
- - - 37-Rb-86m2

22

Incident Energy (MeV)

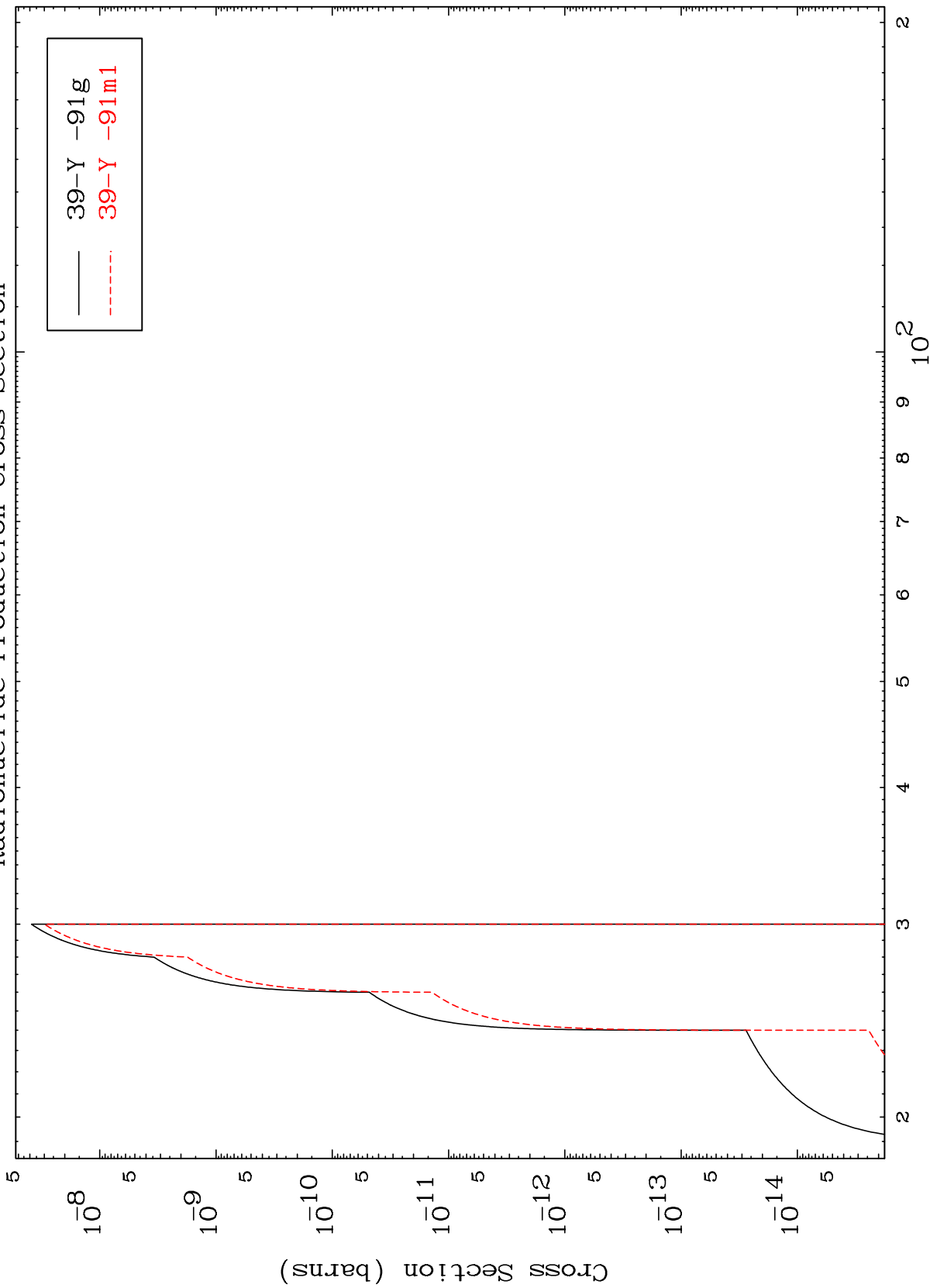
39-Y -90

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(α, p) d

39-Y -90

Radionuclide Production Cross Section



23

Incident Energy (MeV)

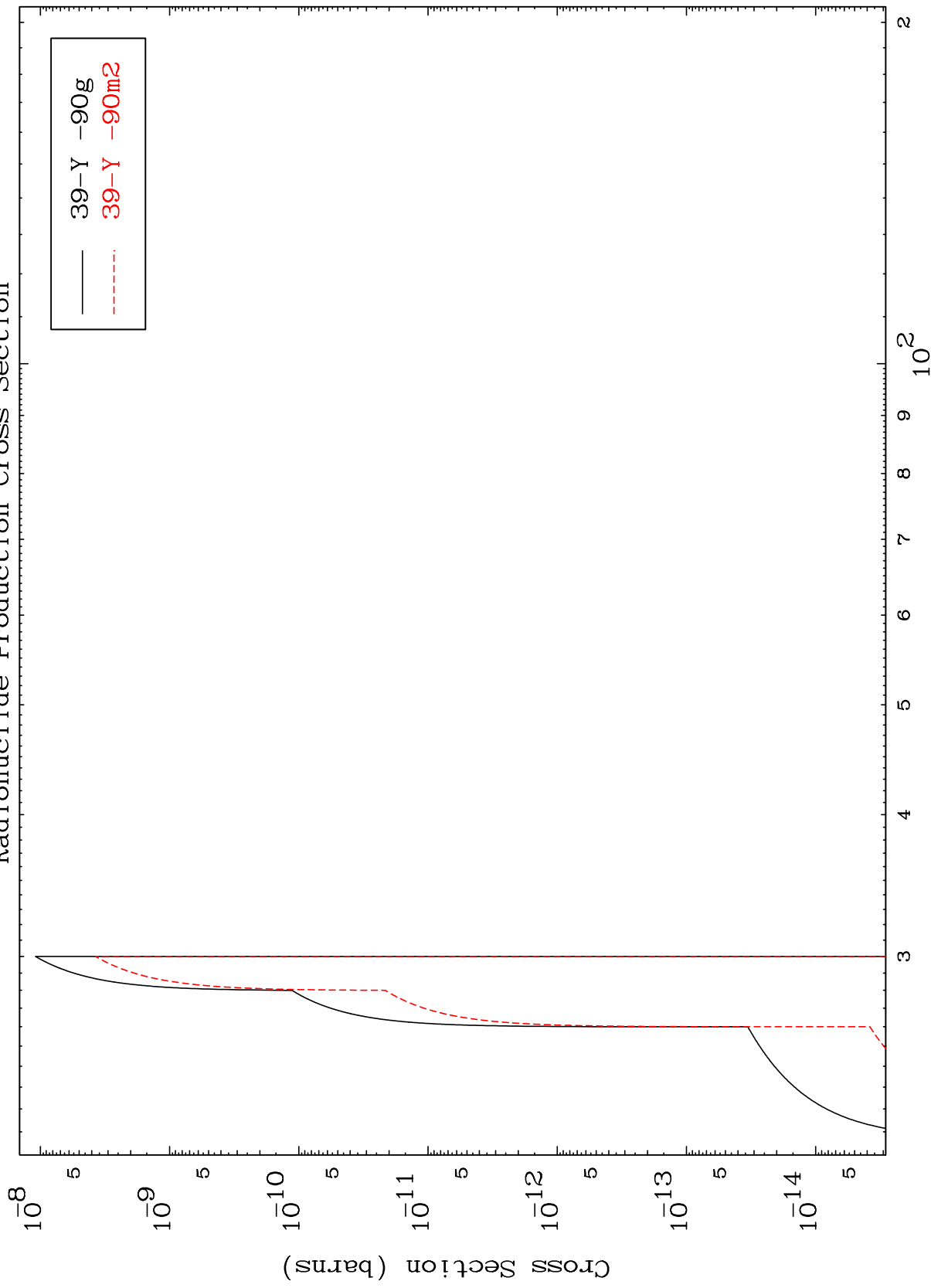
39-Y -90

MAT 3928

(α, p) t

39-Y -90

Radionuclide Production Cross Section



24

Incident Energy (MeV)

39-Y -90