

Program EVALPLOT
(Version 2017-1)

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

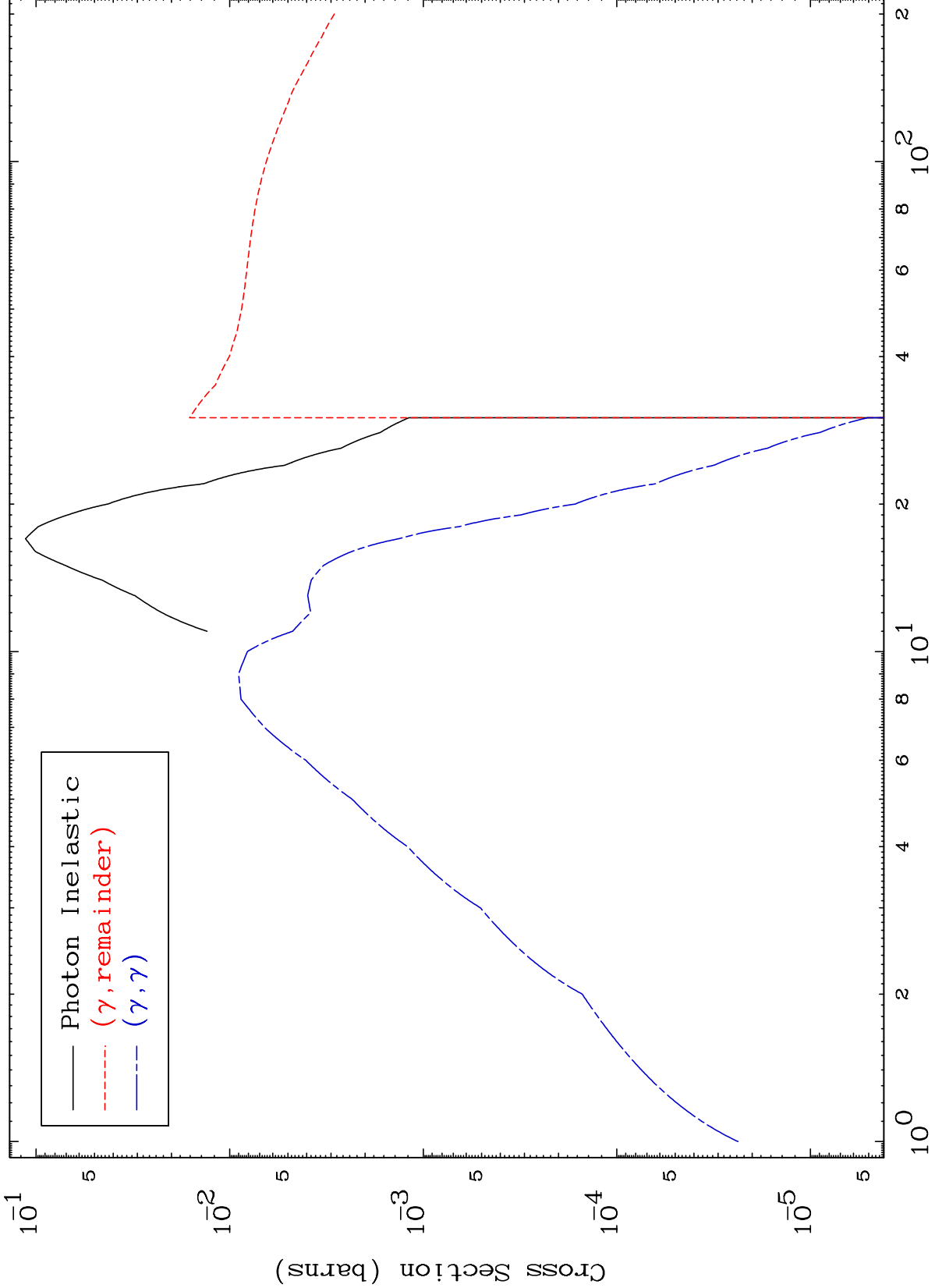
Press Mouse Button to Start

MAT 4117

Photon Major

41-Nb-90

0 Kelvin Cross Sections



Photon Inelastic
 $(\gamma, \text{remainder})$
 (γ, γ)

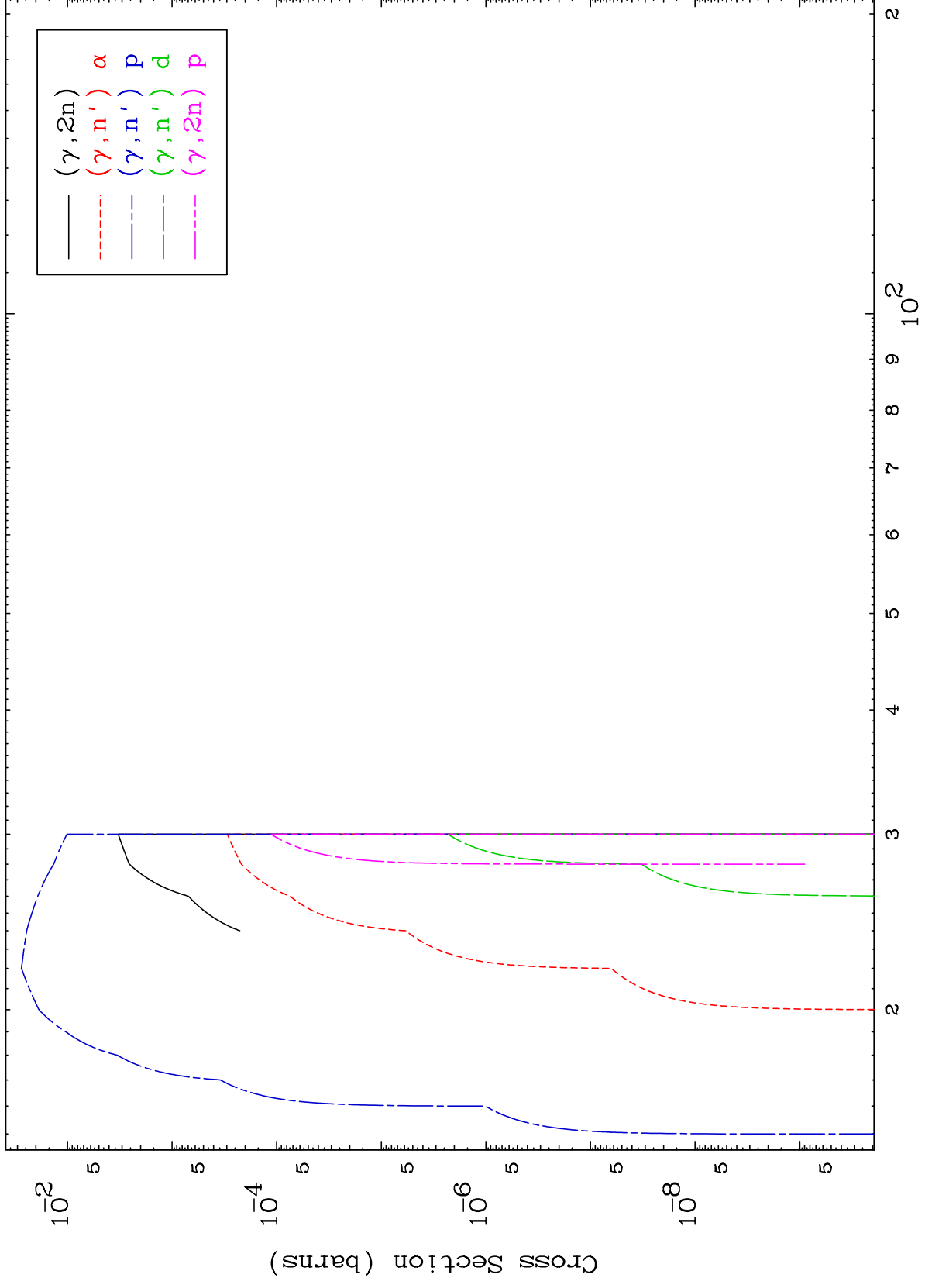
Incident Energy (MeV)

41-Nb-90

MAT 4117

Photon Neutron Production
0 Kelvin Cross Sections

41-Nb-90



2

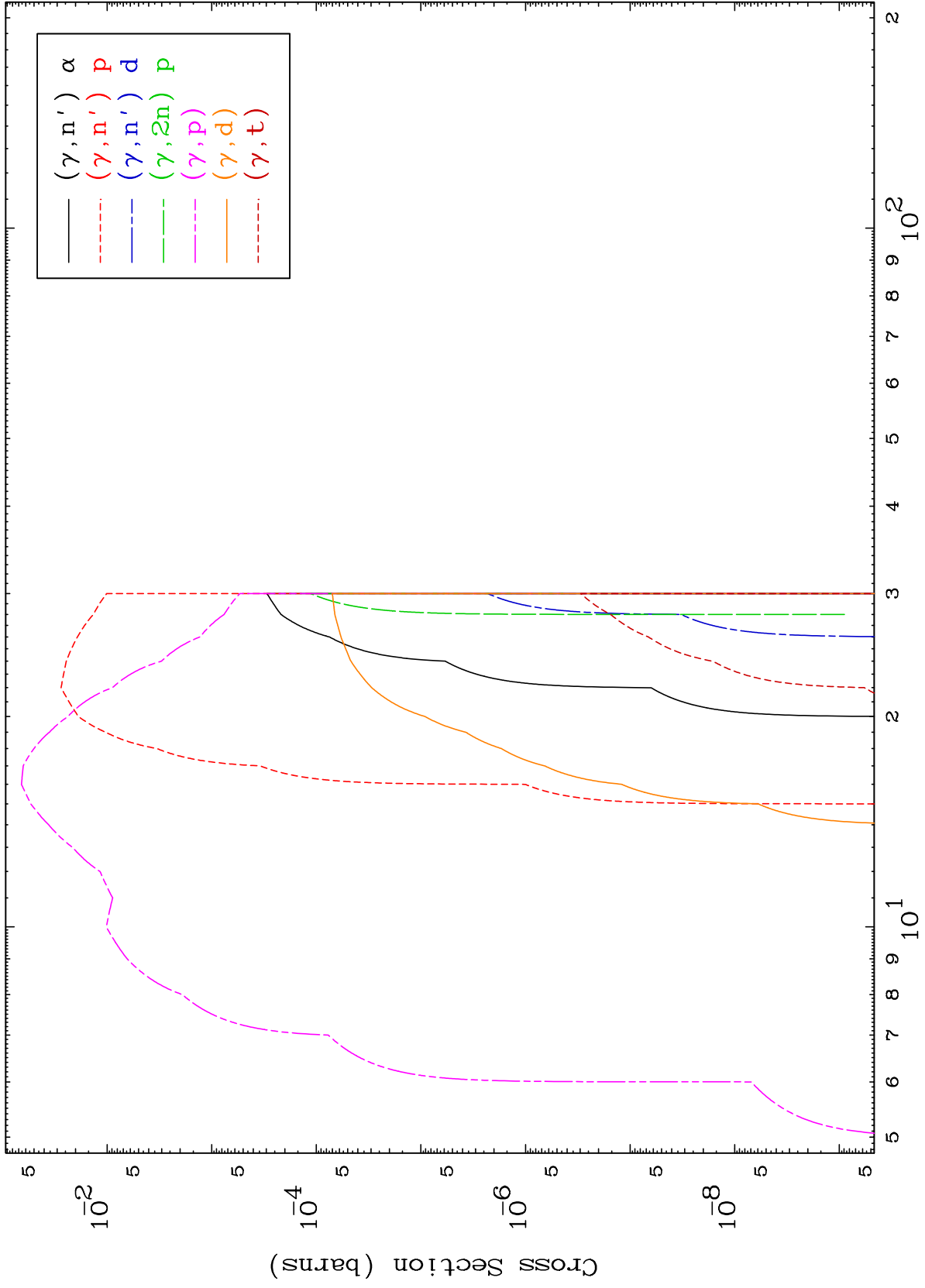
Incident Energy (MeV)

41-Nb-90

MAT 4117

Photon Charged Particle
0 Kelvin Cross Sections

41-Nb-90



41-Nb-90

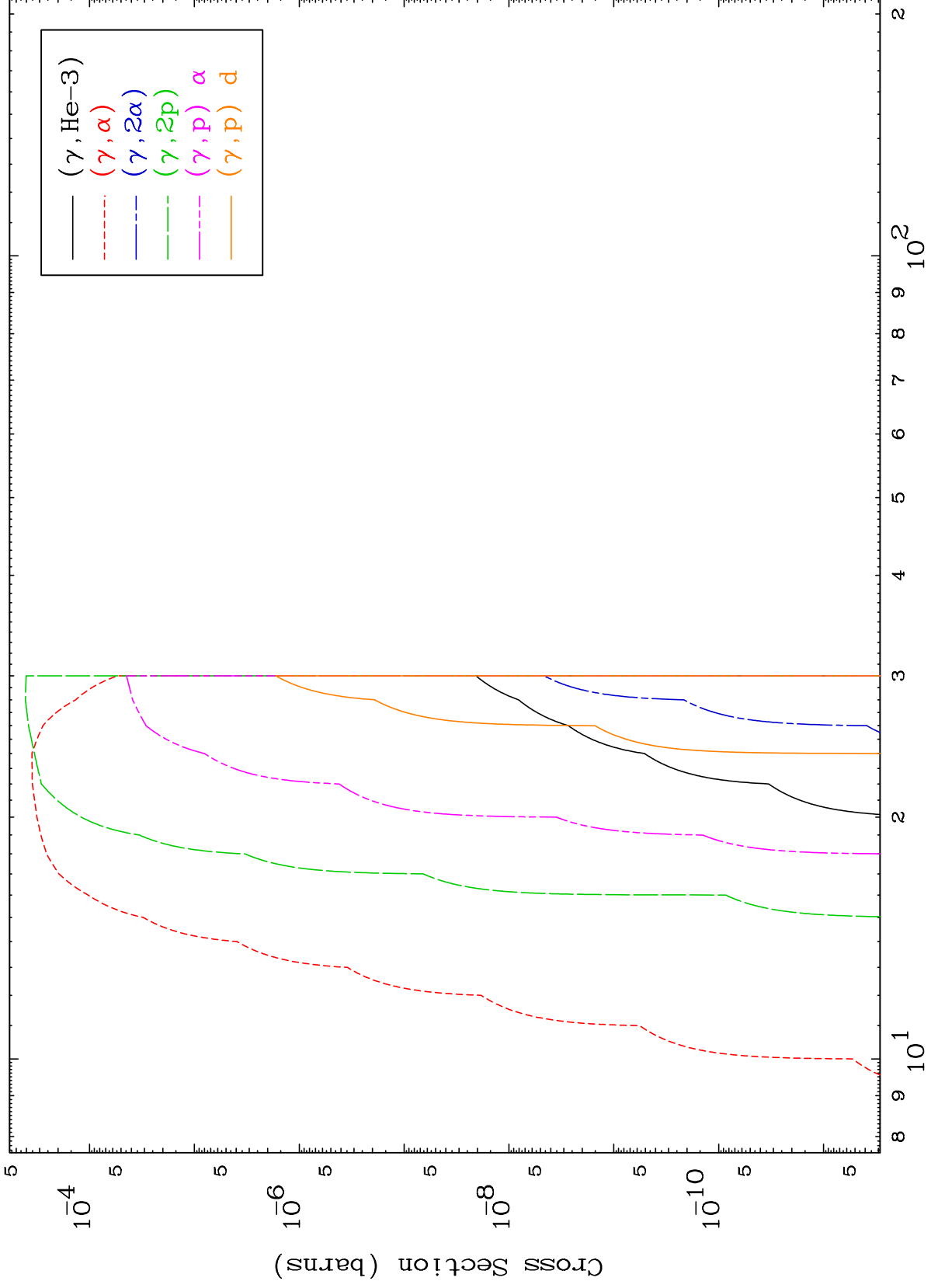
Incident Energy (MeV)

3

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Photon Charged Particle
0 Kelvin Cross Sections

41-Nb-90



4

Incident Energy (MeV)

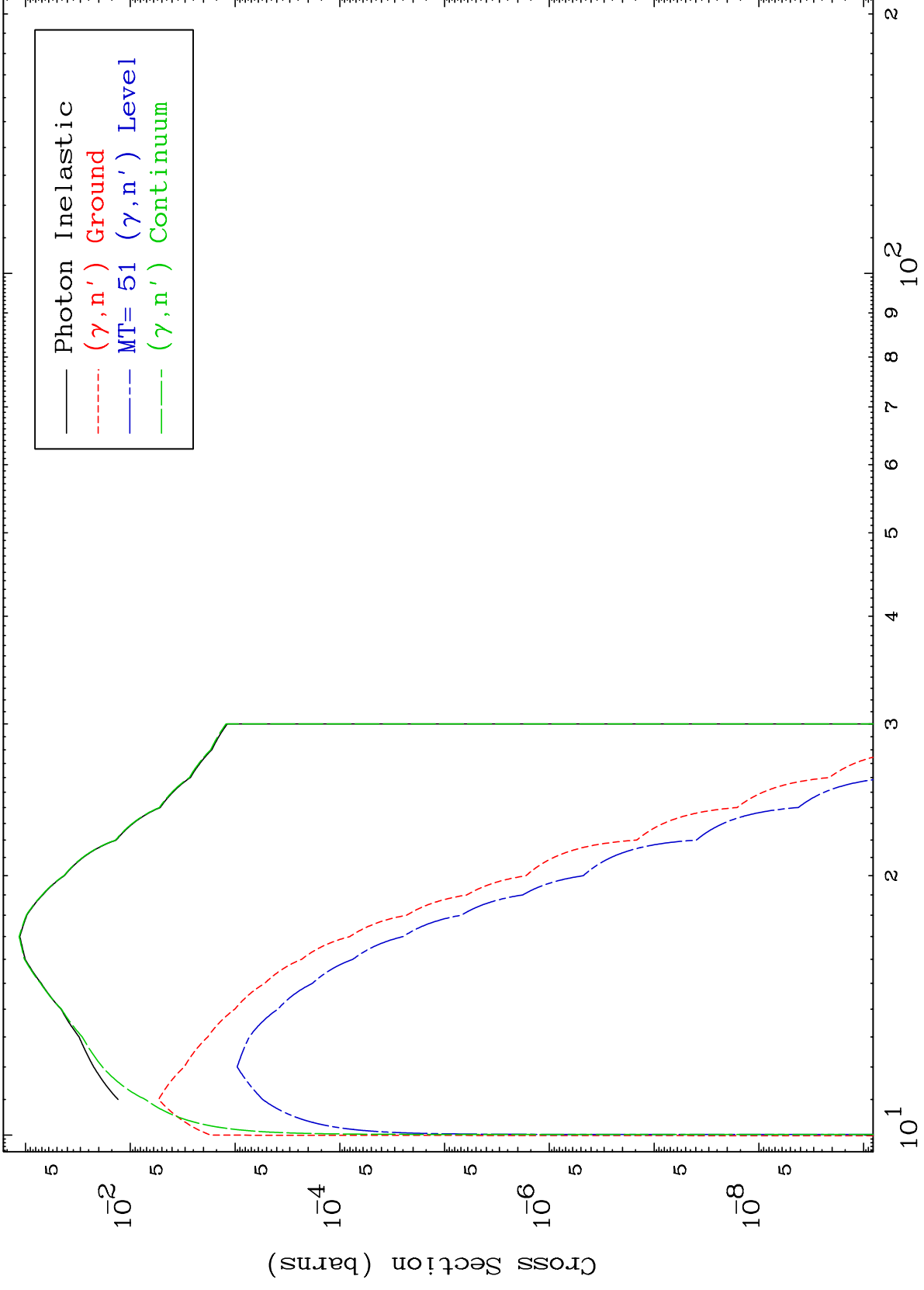
41-Nb-90

MAT 4117

(γ, n') Level

41-Nb-90

0 Kelvin Cross Sections



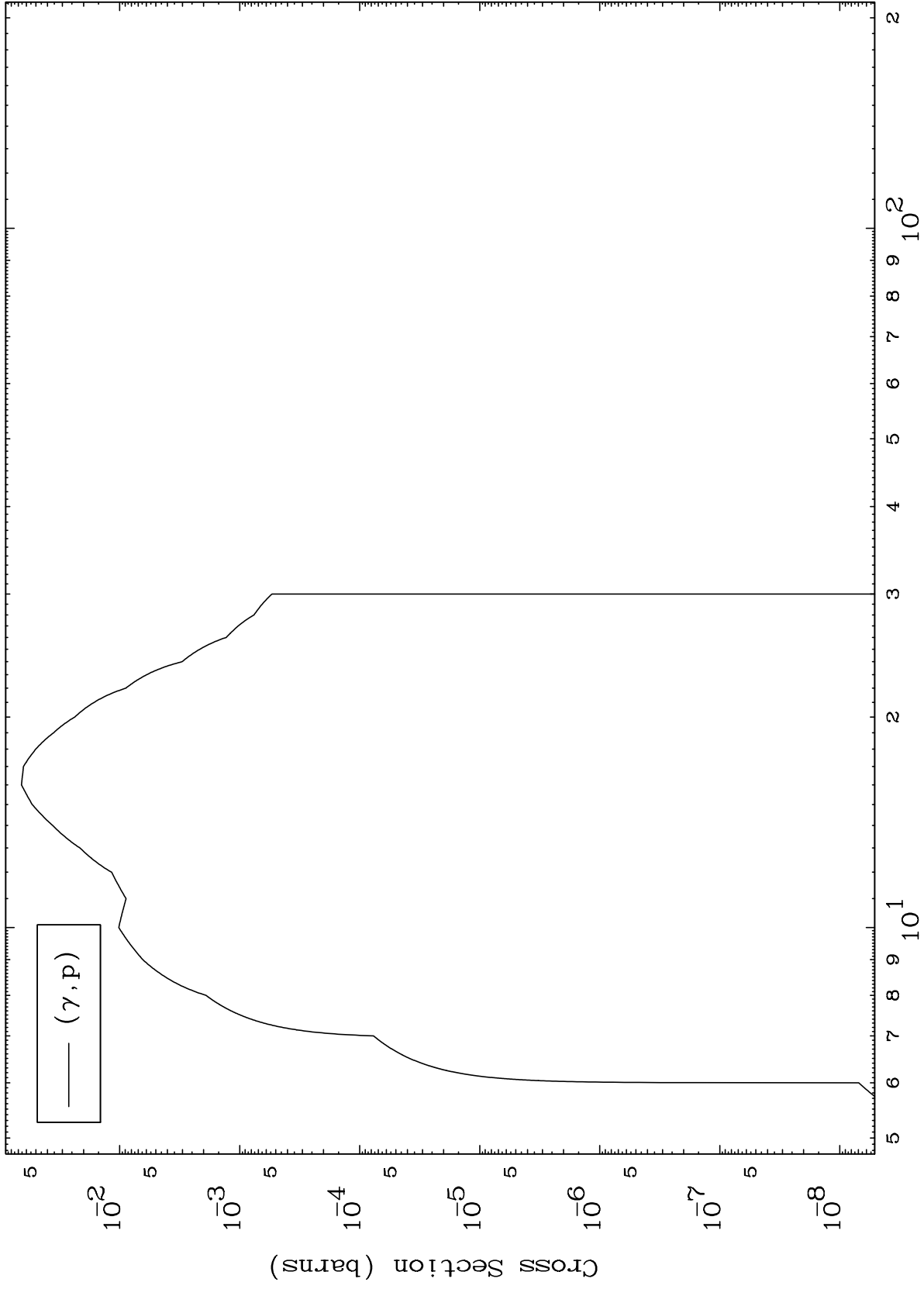
Incident Energy (MeV)

41-Nb-90

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(γ, p) Levels
0 Kelvin Cross Sections

41-Nb-90



6

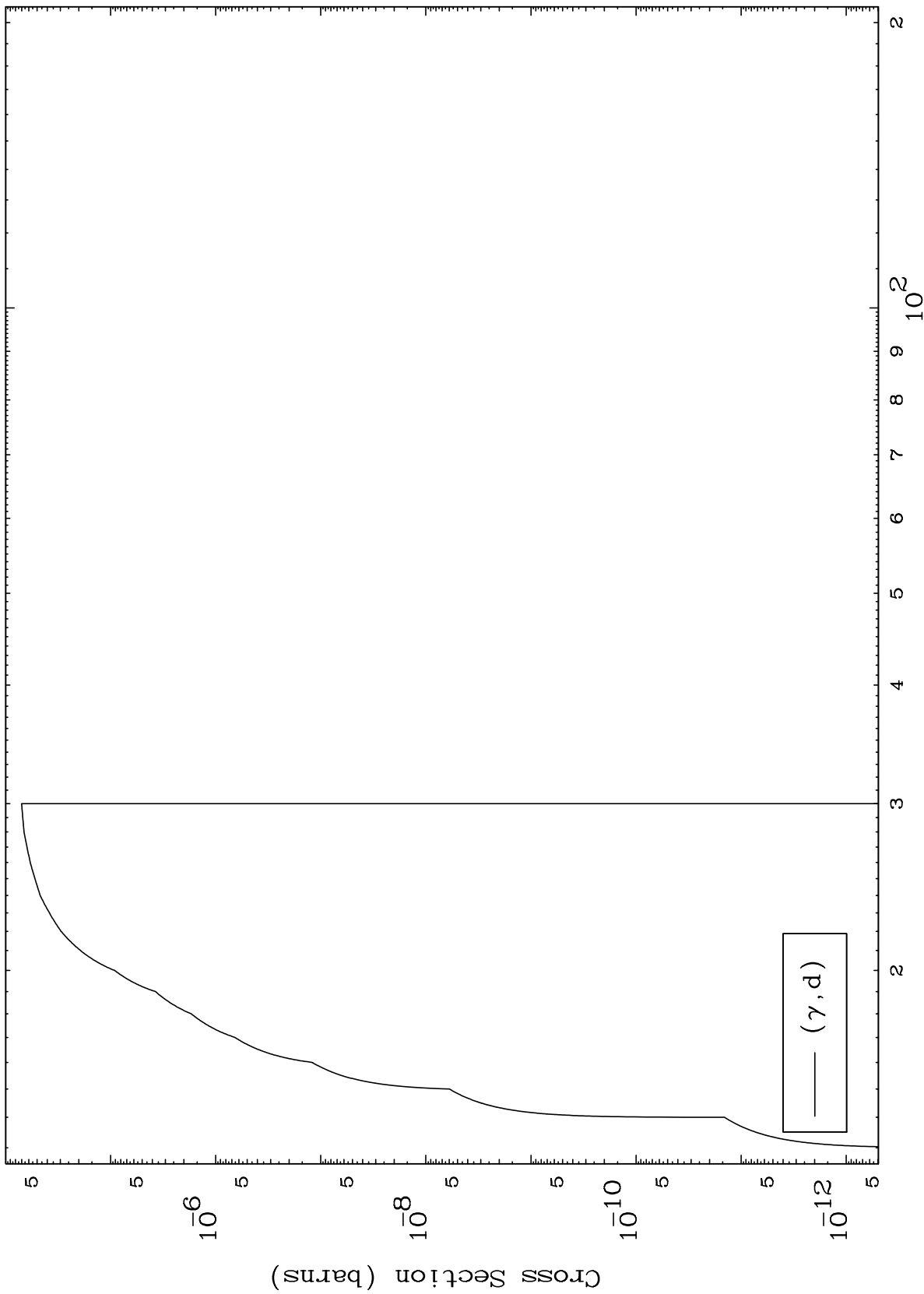
Incident Energy (MeV)

41-Nb-90

MAT 4117

(γ, d) Levels
0 Kelvin Cross Sections

41-Nb-90



7

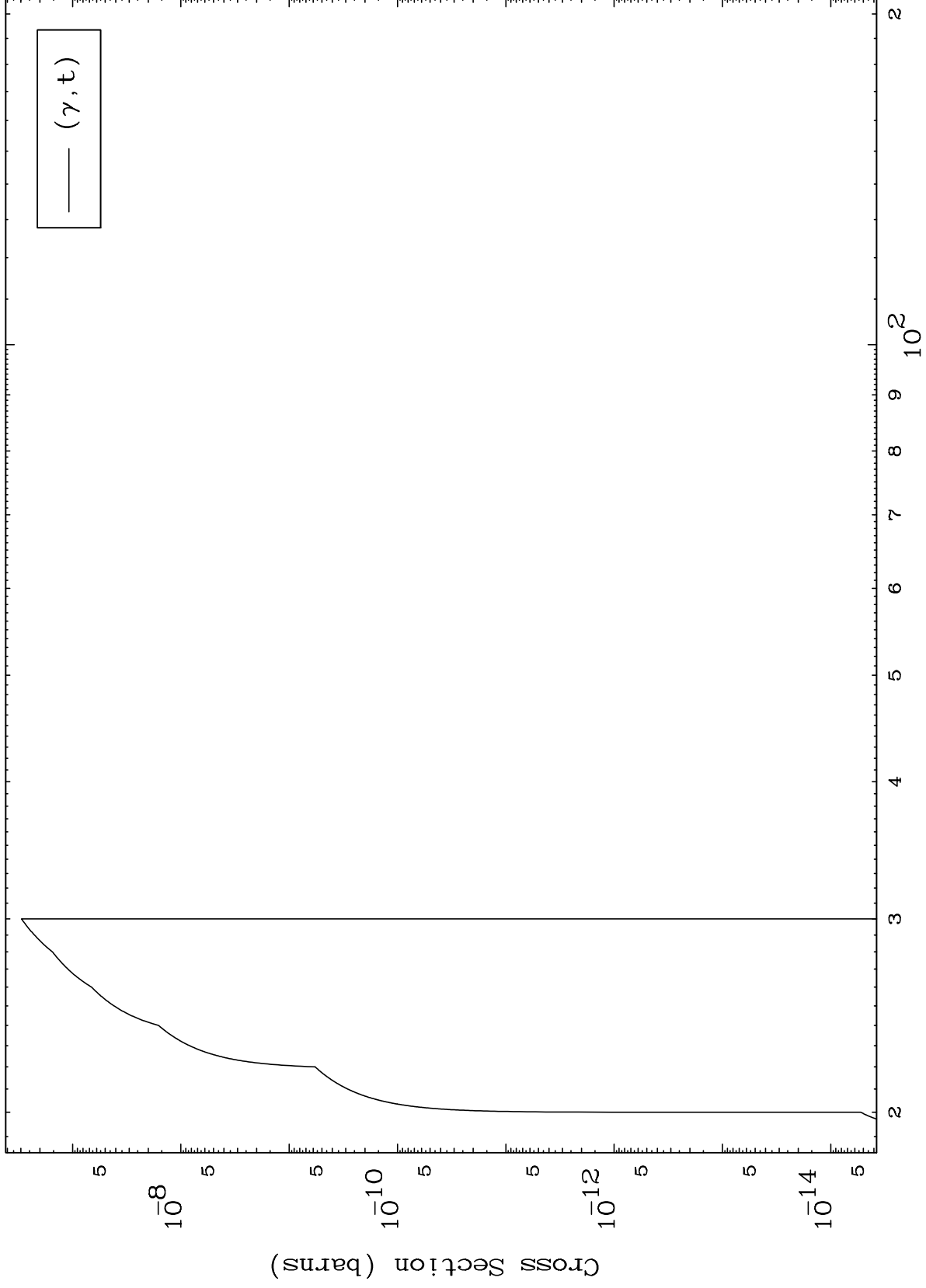
Incident Energy (MeV)

41-Nb-90

MAT 4117

(γ, t) Levels
0 Kelvin Cross Sections

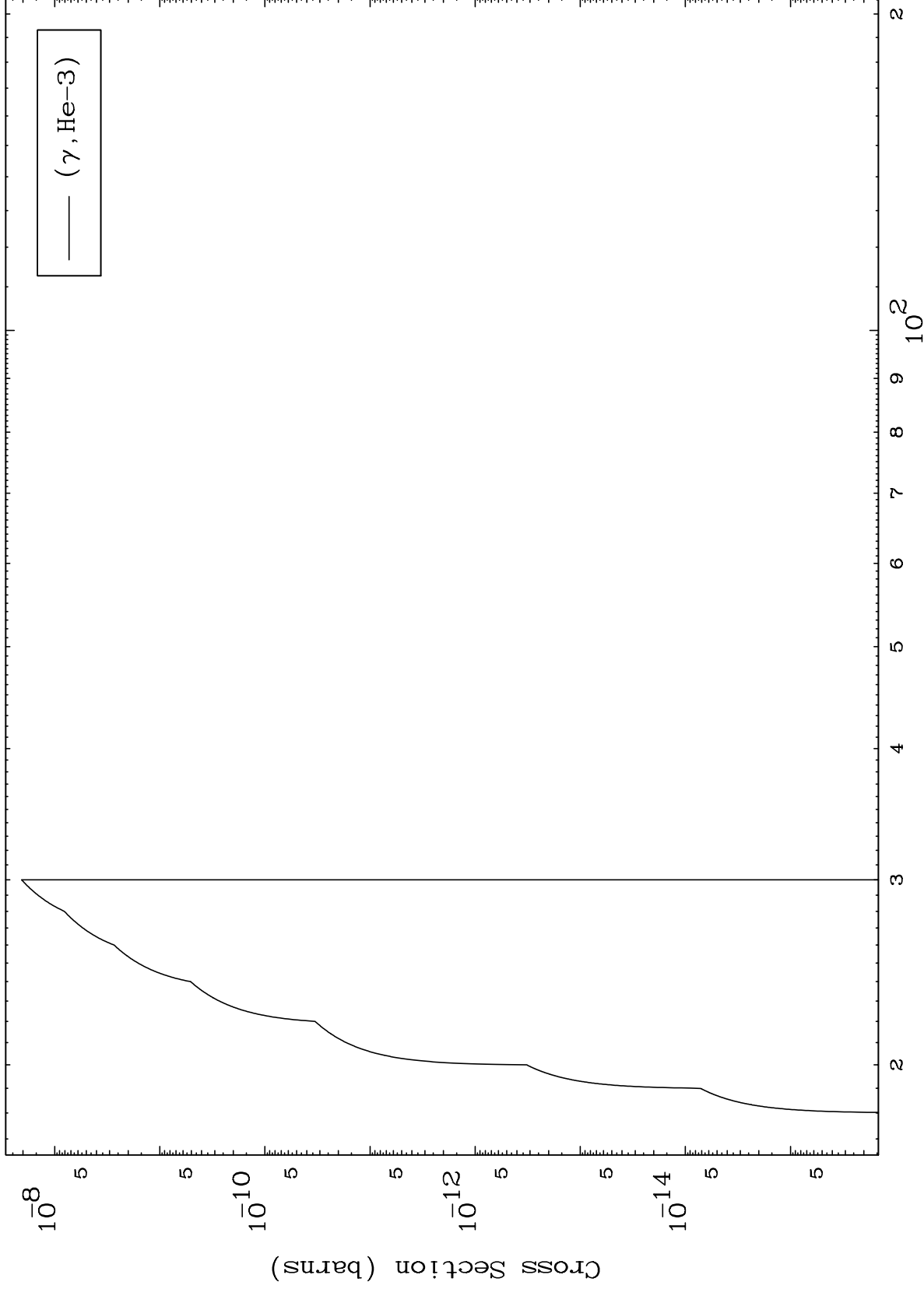
41-Nb-90



8

Incident Energy (MeV)

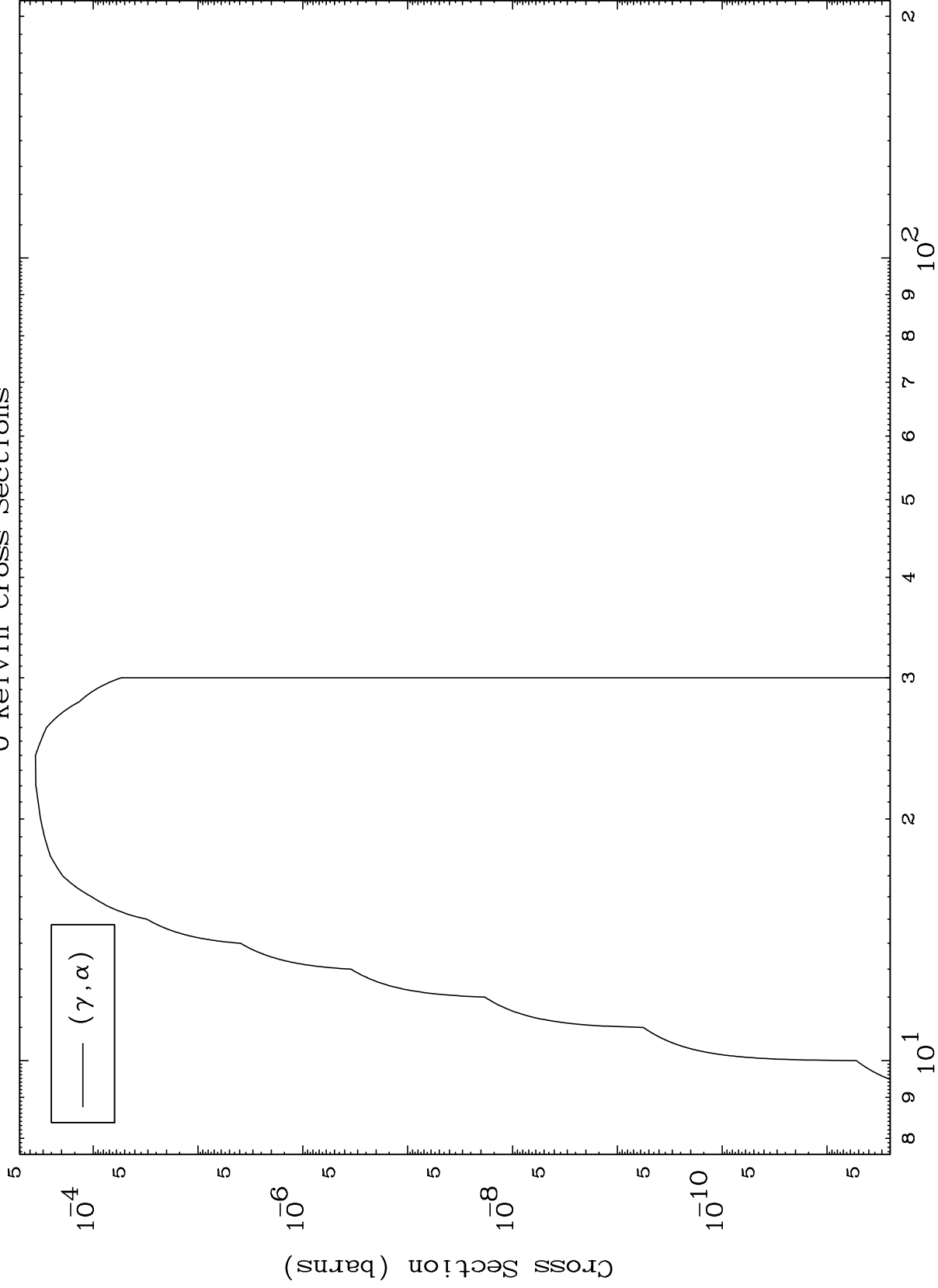
41-Nb-90



MAT 4117

(γ, α) Levels
0 Kelvin Cross Sections

41-Nb-90



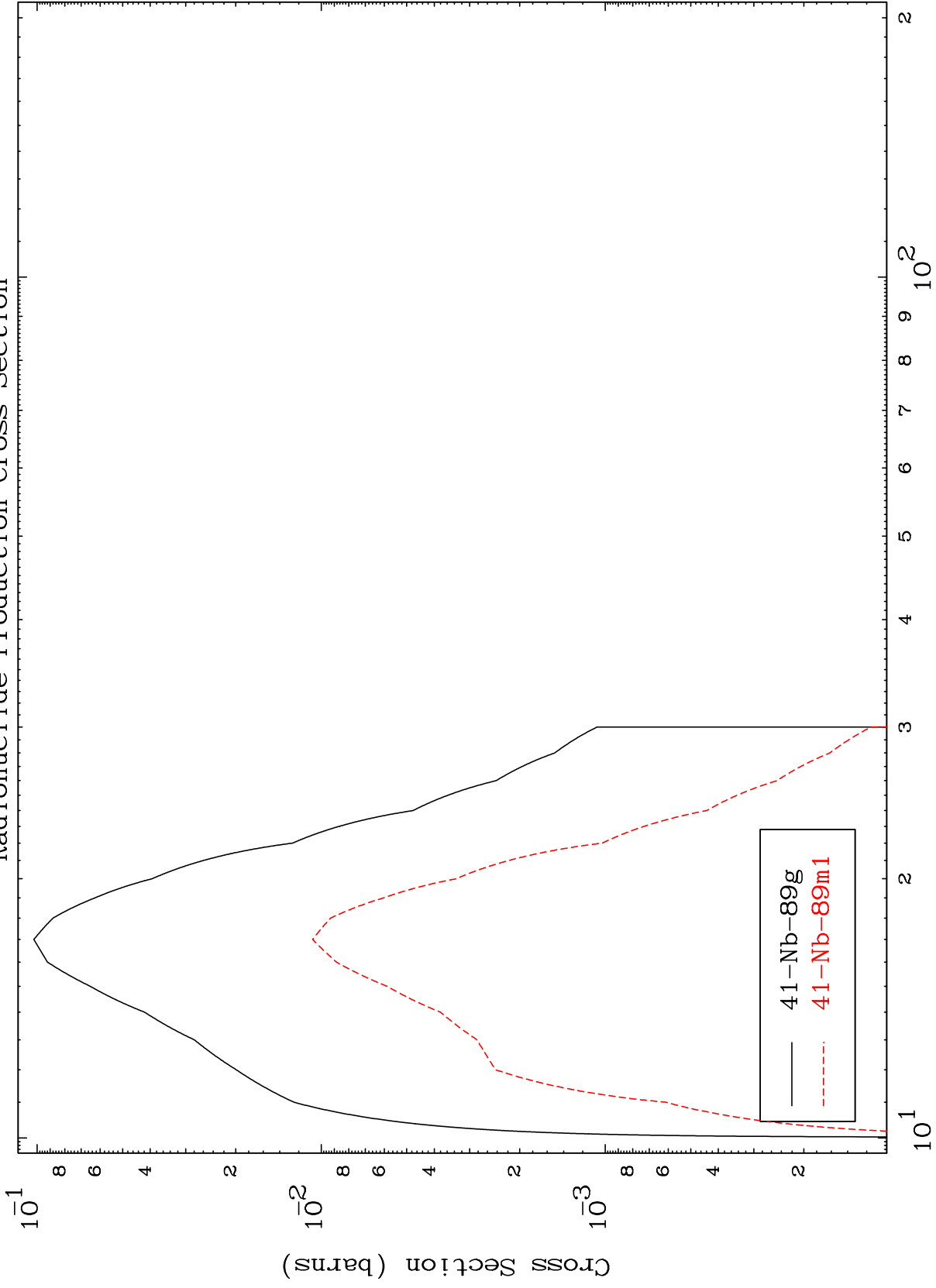
Incident Energy (MeV)

41-Nb-90

MAT 4117

Photon Inelastic
Radionuclide Production Cross Section

41-Nb-90



41-Nb-90

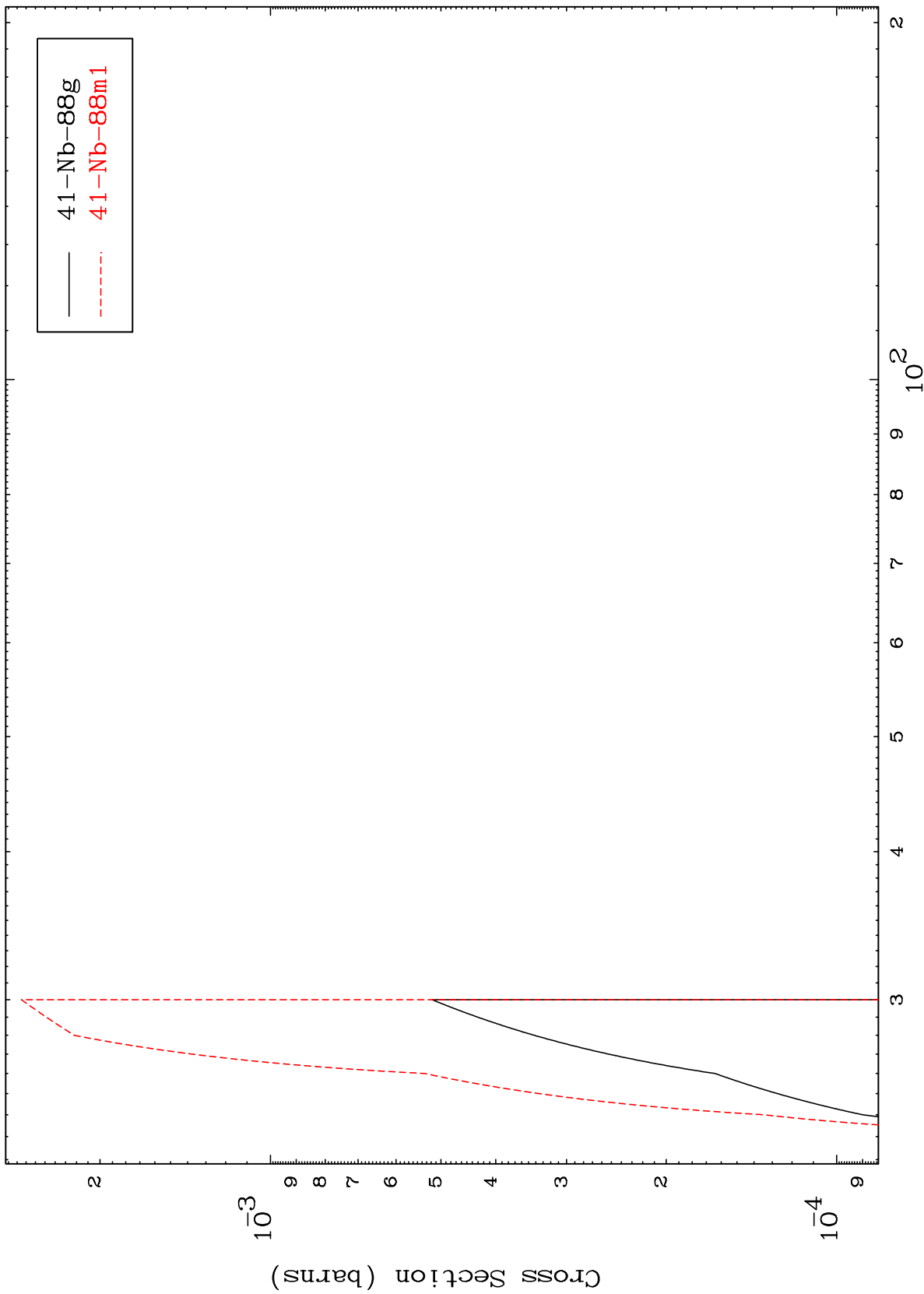
Incident Energy (MeV)

11

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41-Nb-90

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



12

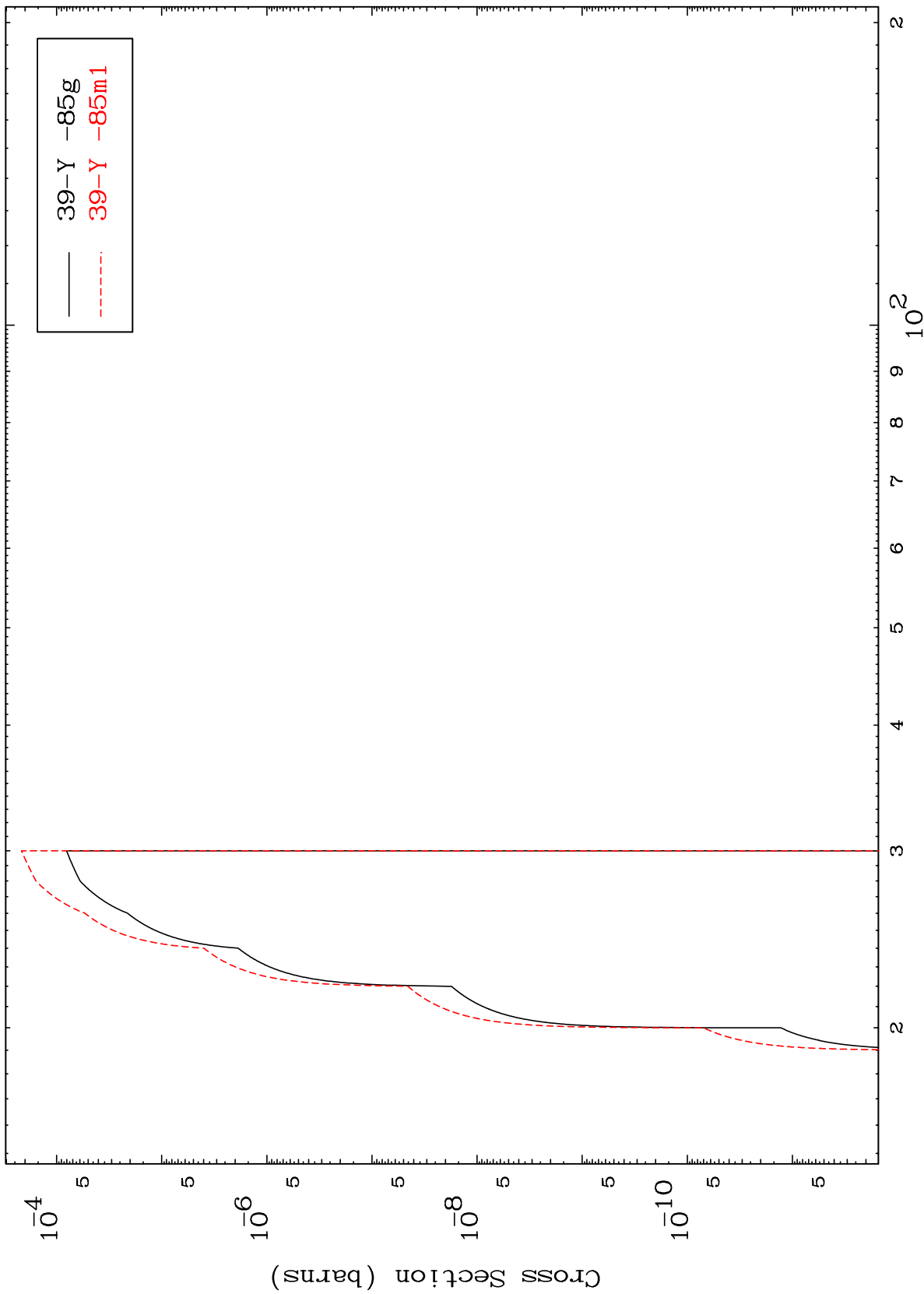
41-Nb-90

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(γ, n') α

41-Nb-90

Radionuclide Production Cross Section



13

Incident Energy (MeV)

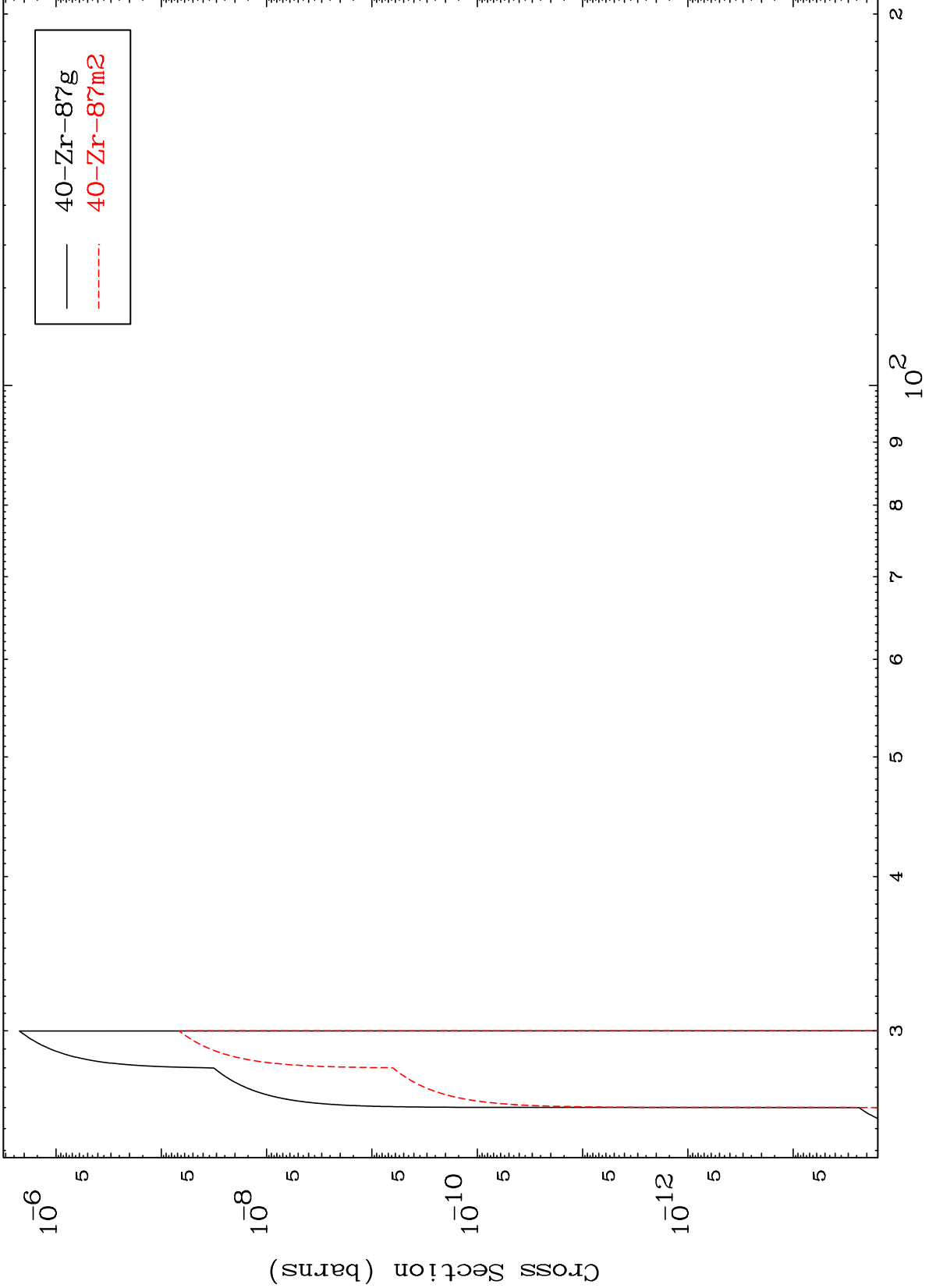
41-Nb-90

MAT 4117

(γ, n') d

41-Nb-90

Radionuclide Production Cross Section



14

Incident Energy (MeV)

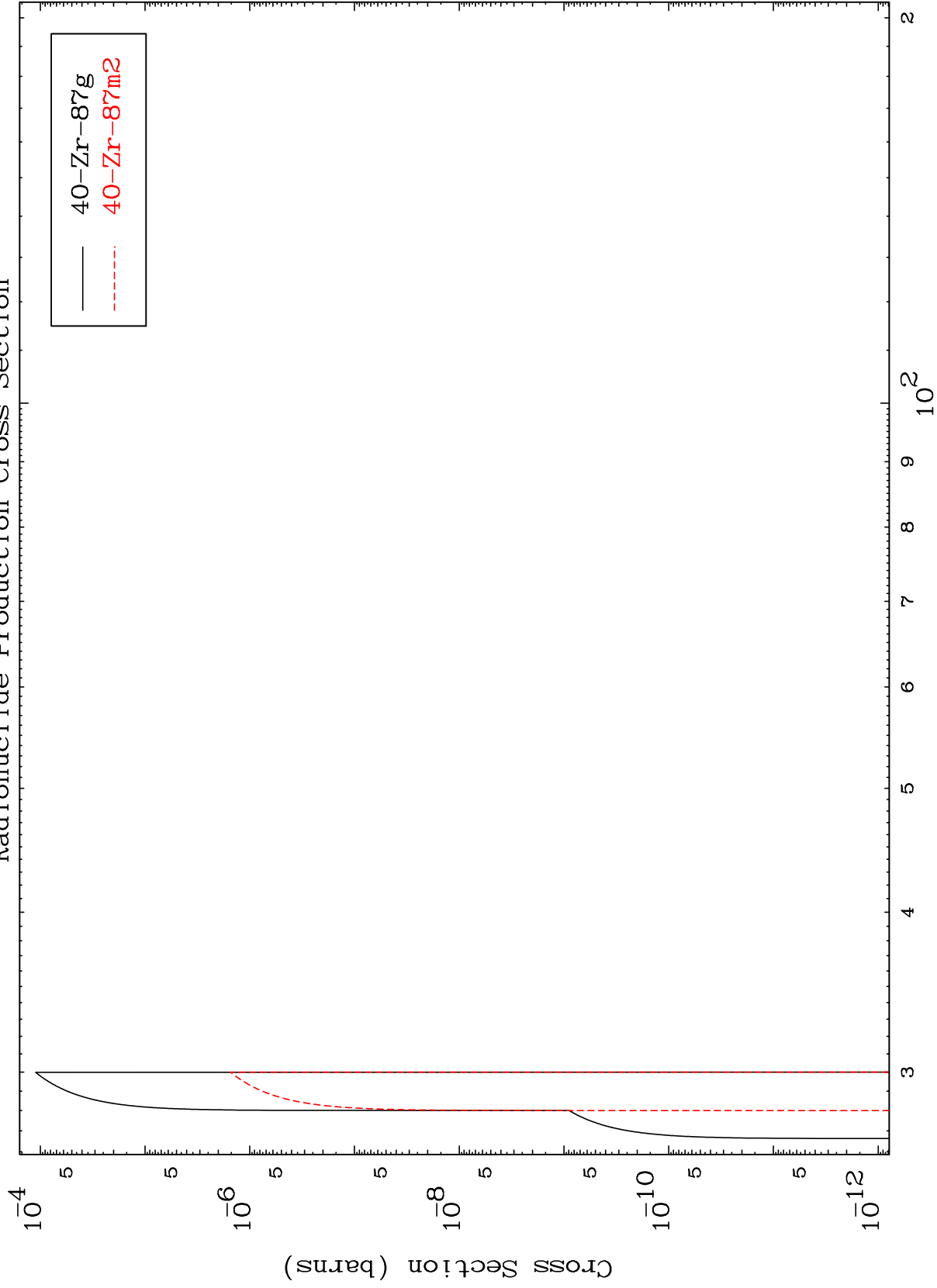
41-Nb-90

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$(\gamma, 2n)$ p

41-Nb-90

Radionuclide Production Cross Section



15

Incident Energy (MeV)

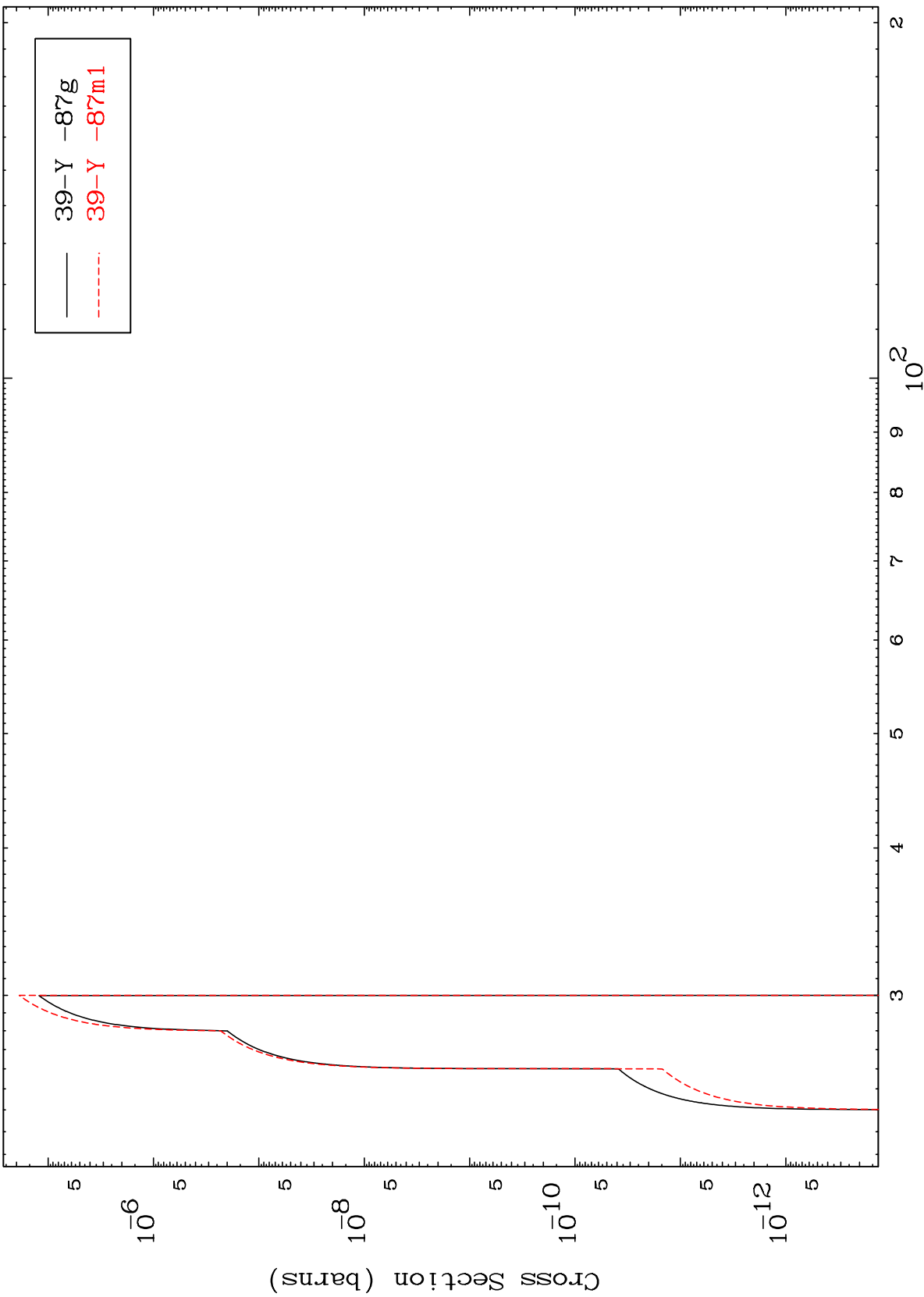
41-Nb-90

MAT 4117

($\gamma, 2n$) p

41-Nb-90

Radionuclide Production Cross Section



39-Y -87g
39-Y -87m1

16

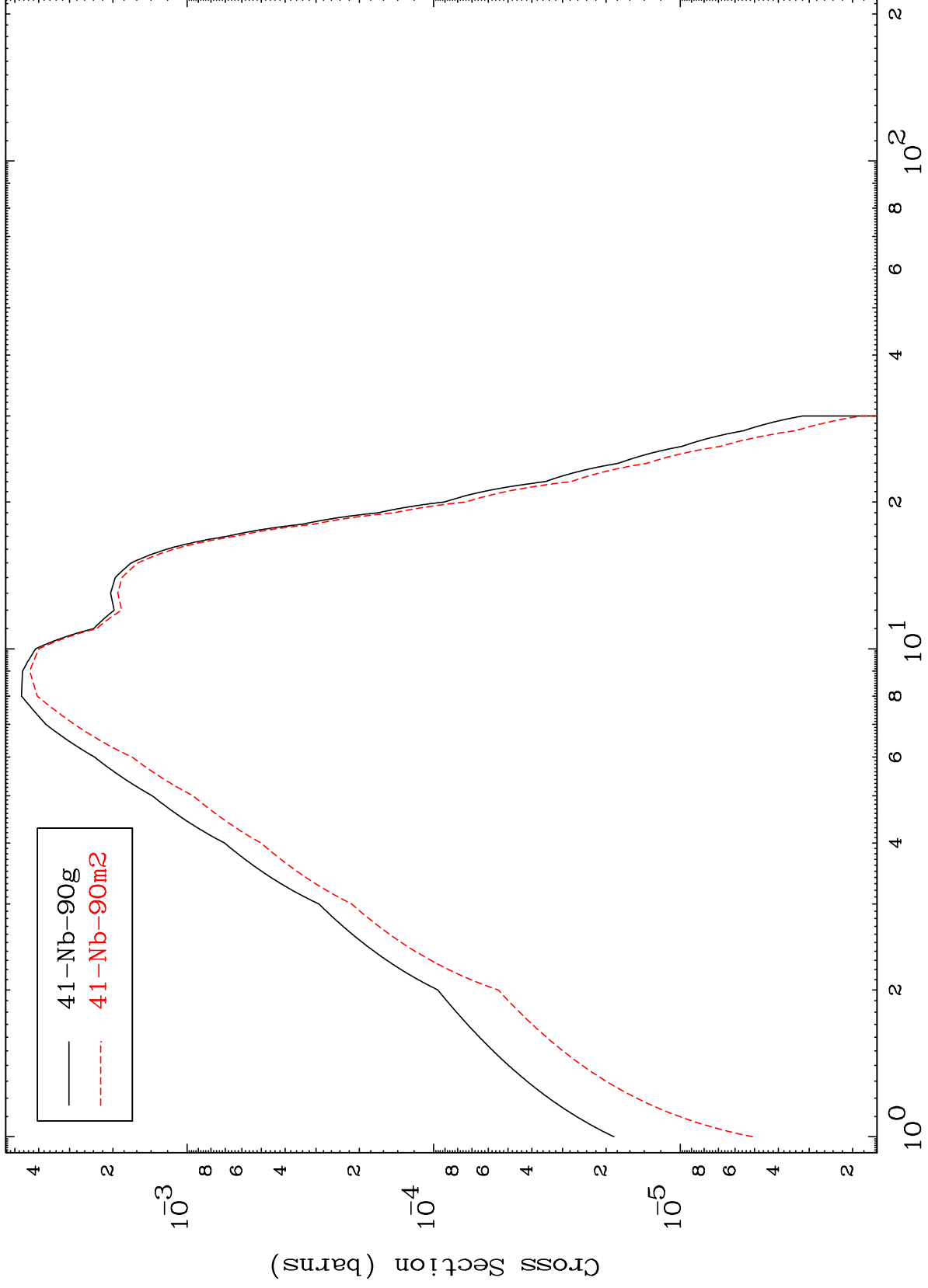
Incident Energy (MeV)

41-Nb-90

MAT 4117

41-Nb-90

Radionuclide Production Cross Section
(γ, γ)



— 41-Nb-90g
- - - 41-Nb-90m2

41-Nb-90

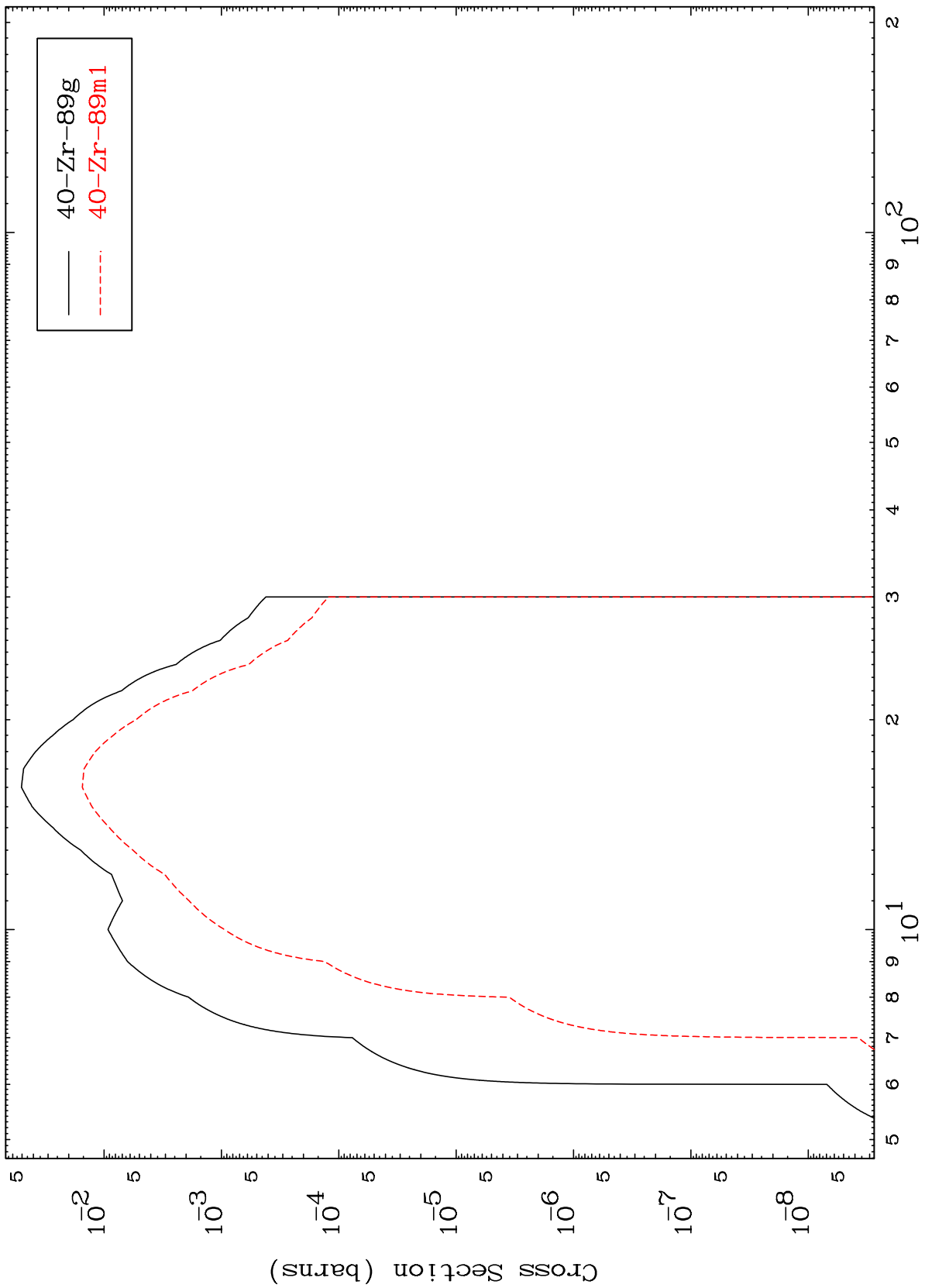
Incident Energy (MeV)

17

MAT 4117

41-Nb-90

(γ, p)
Radionuclide Production Cross Section

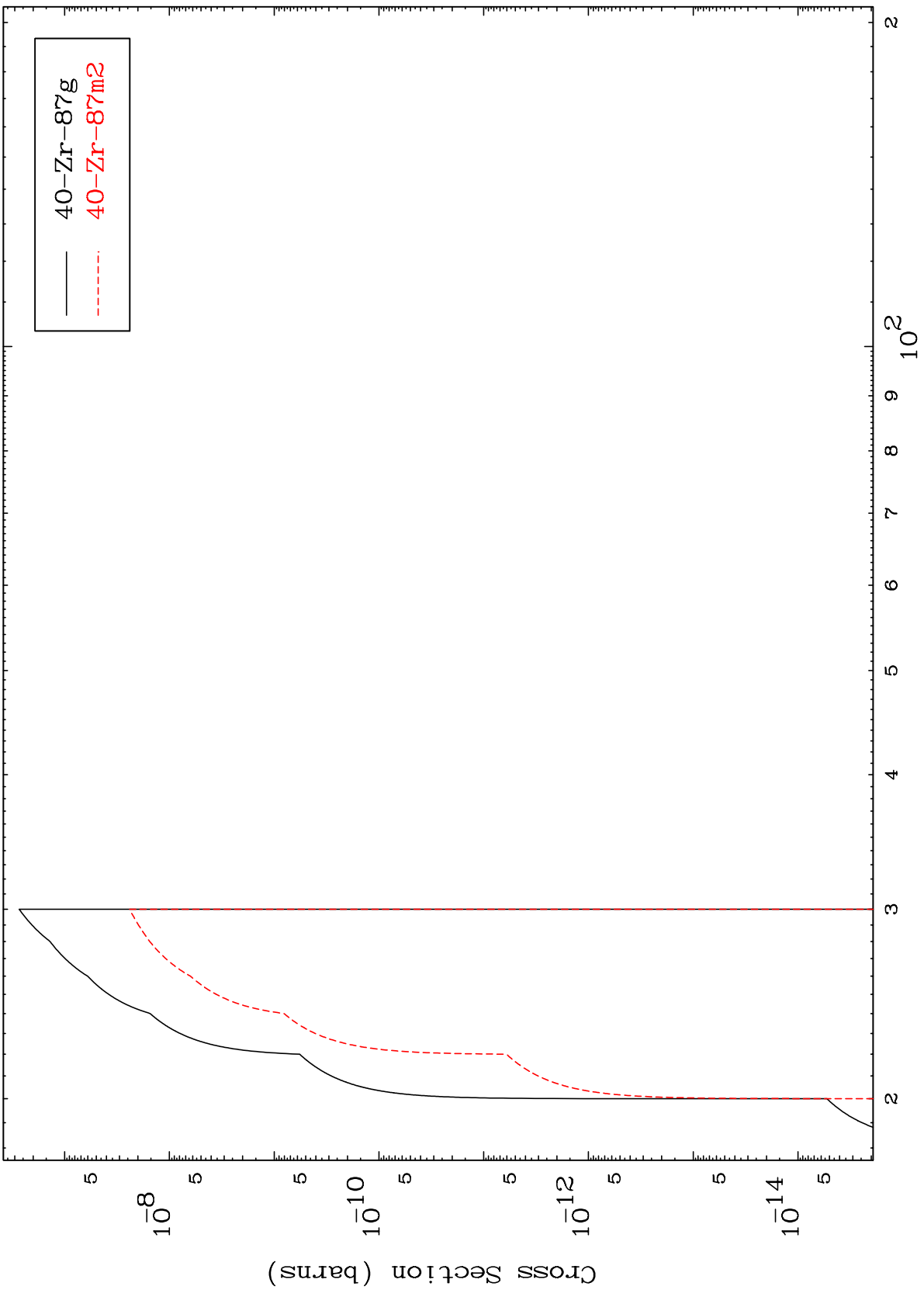


18

Incident Energy (MeV)

41-Nb-90

(γ, t)
Radionuclide Production Cross Section

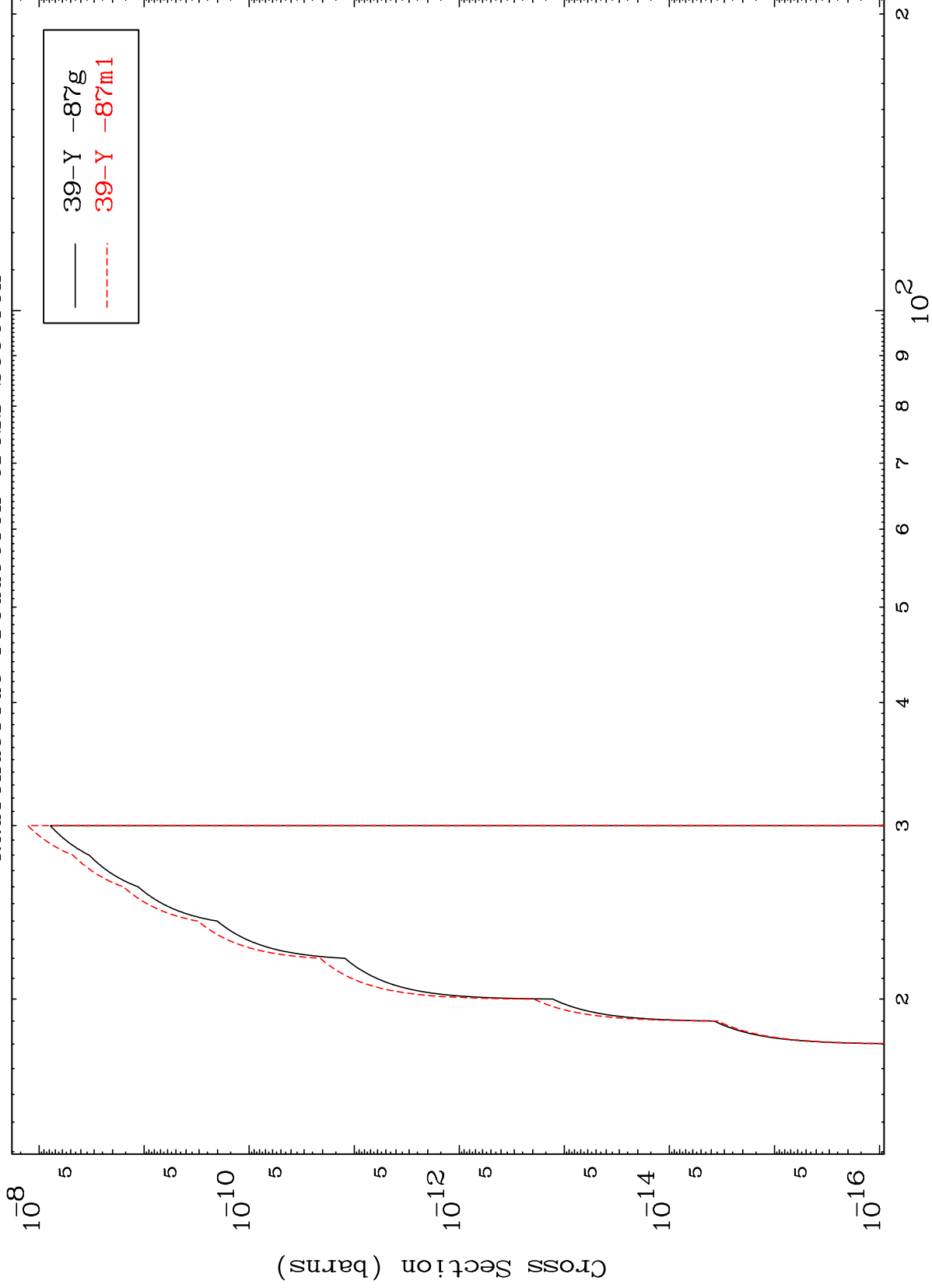


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($\gamma, \text{He-3}$)

41-Nb-90

Radionuclide Production Cross Section



20

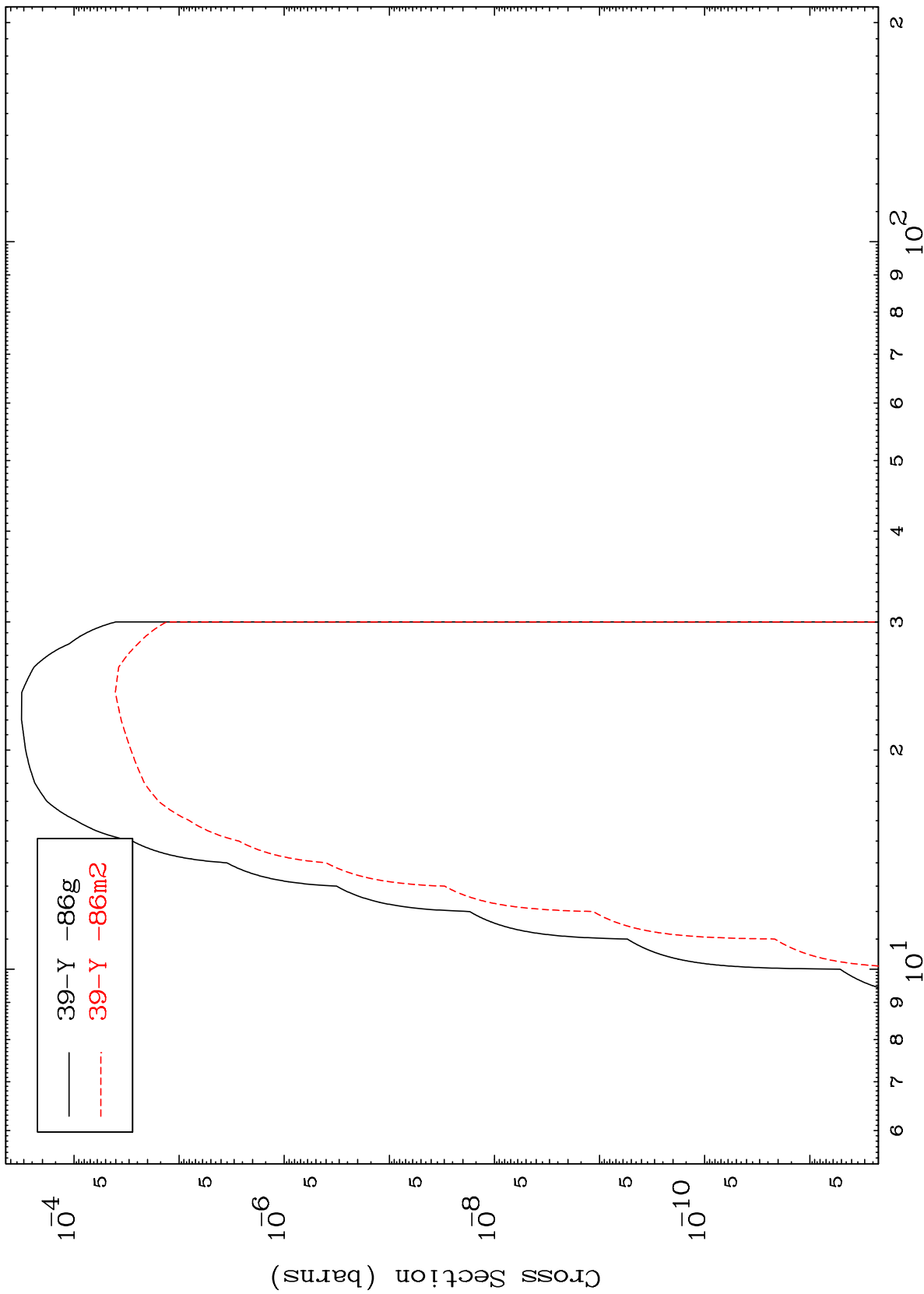
Incident Energy (MeV)

41-Nb-90

MAT 4117

41-Nb-90

Radionuclide Production Cross Section
(γ, α)

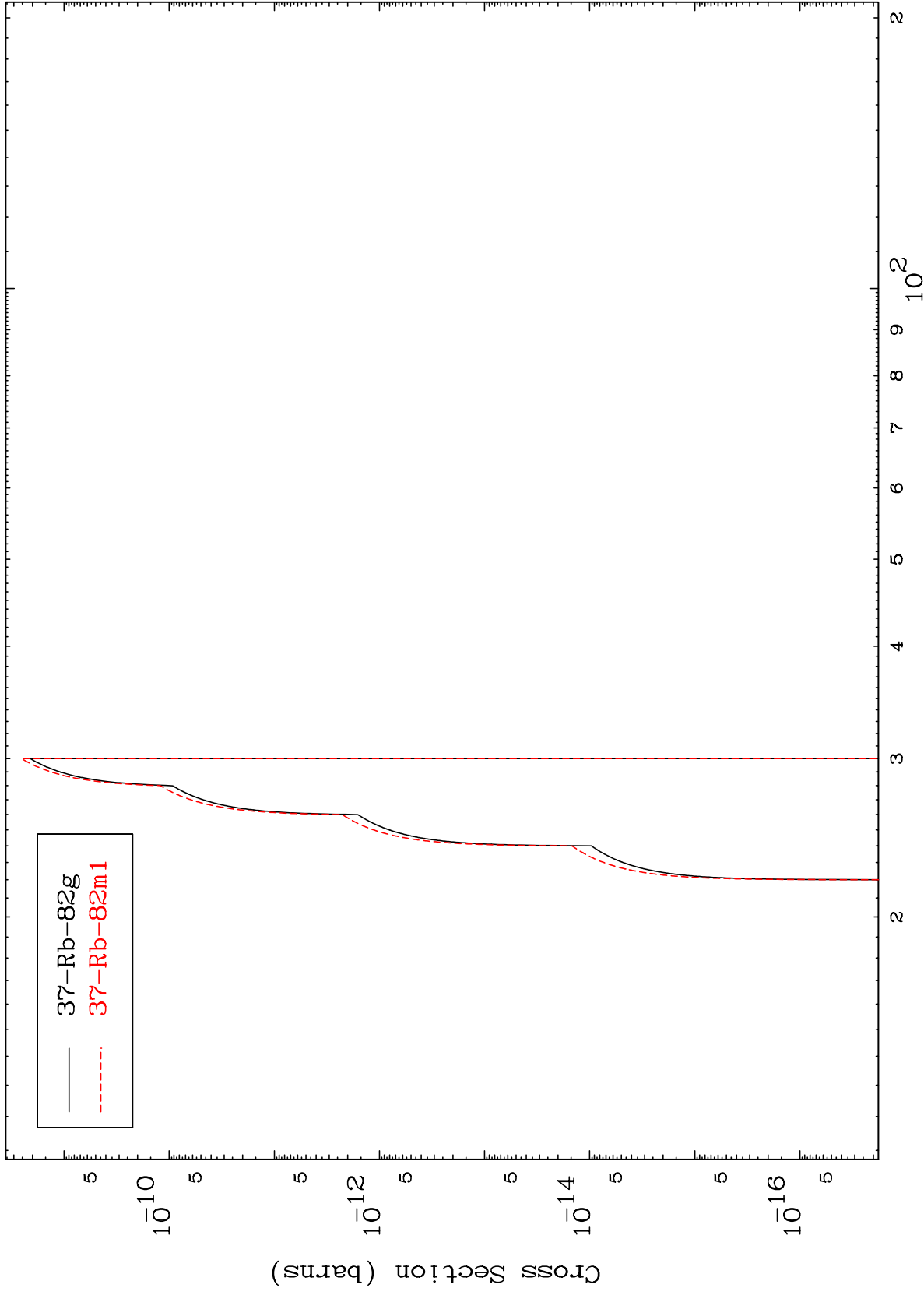


41-Nb-90

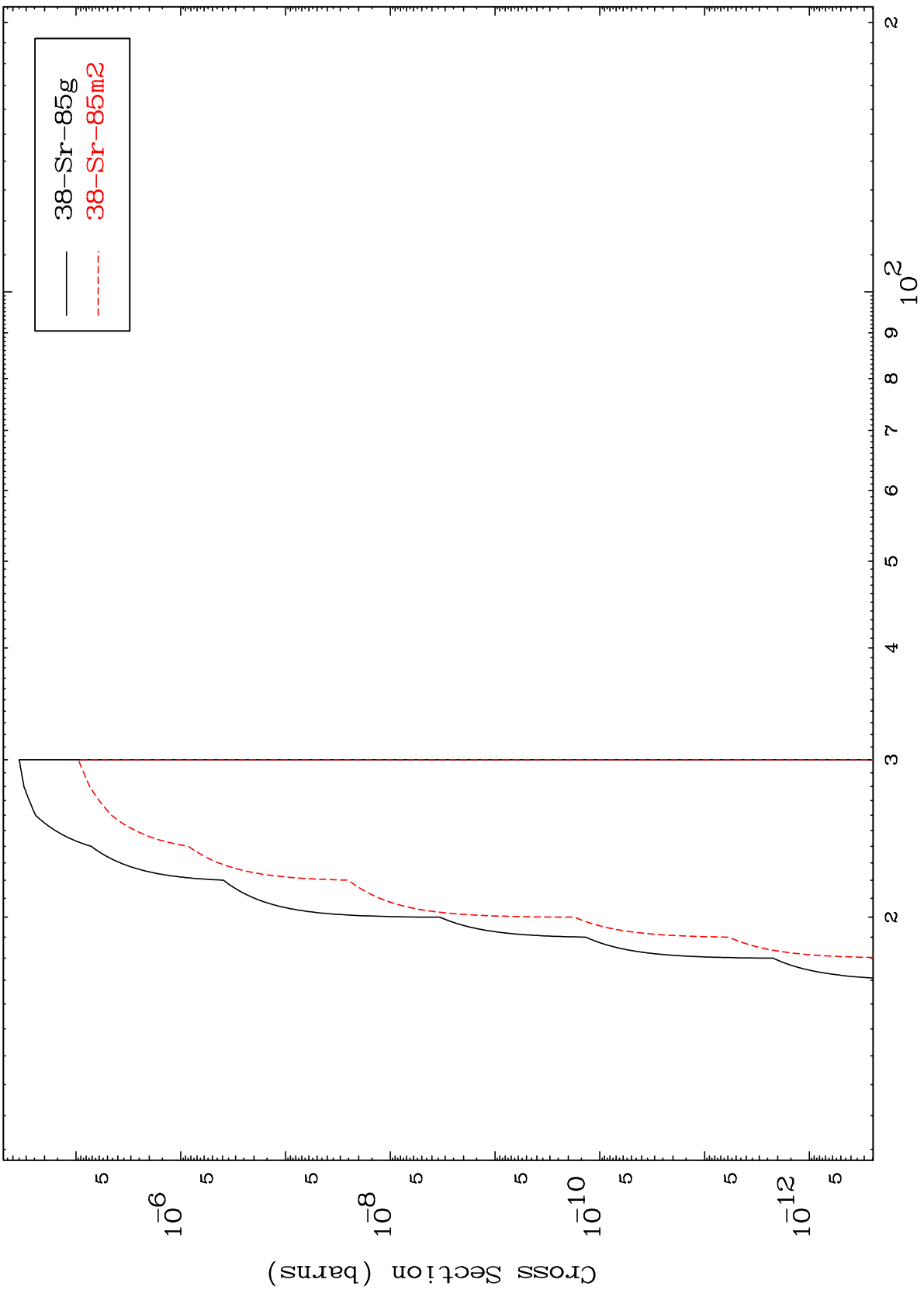
Incident Energy (MeV)

21

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



Radionuclide Production Cross Section

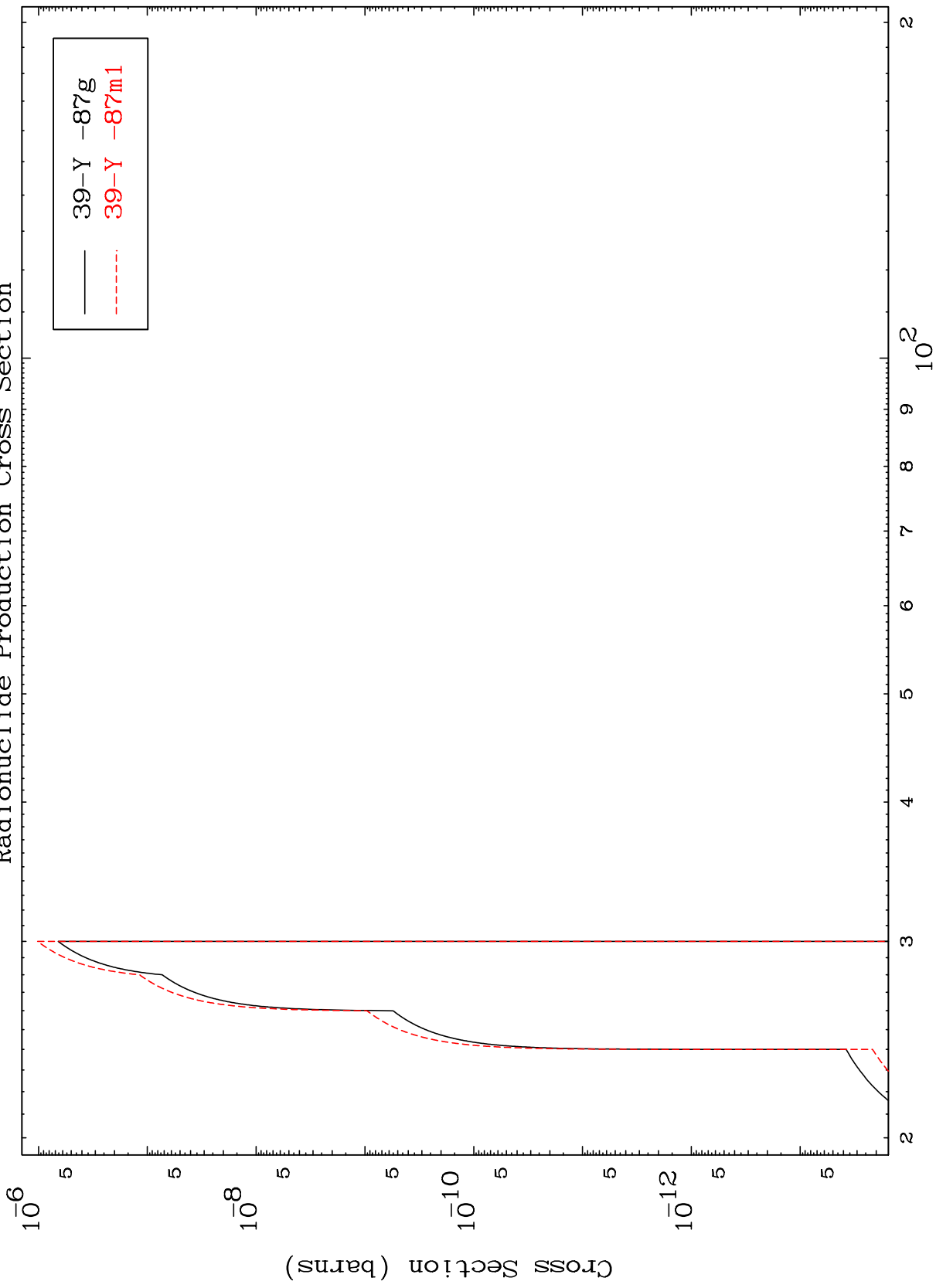


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(γ, p) d

41-Nb-90

Radionuclide Production Cross Section



24

Incident Energy (MeV)

41-Nb-90