

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

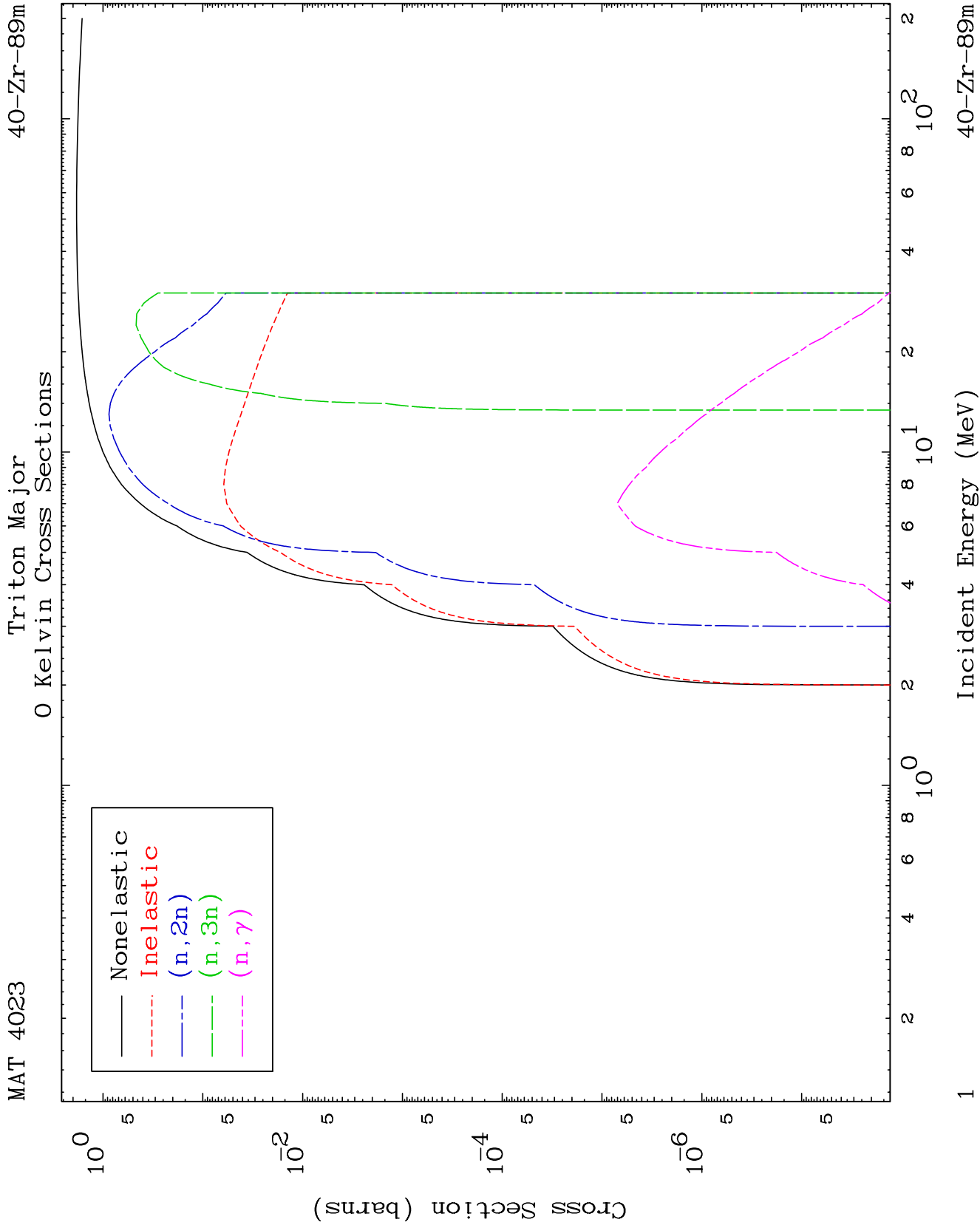
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

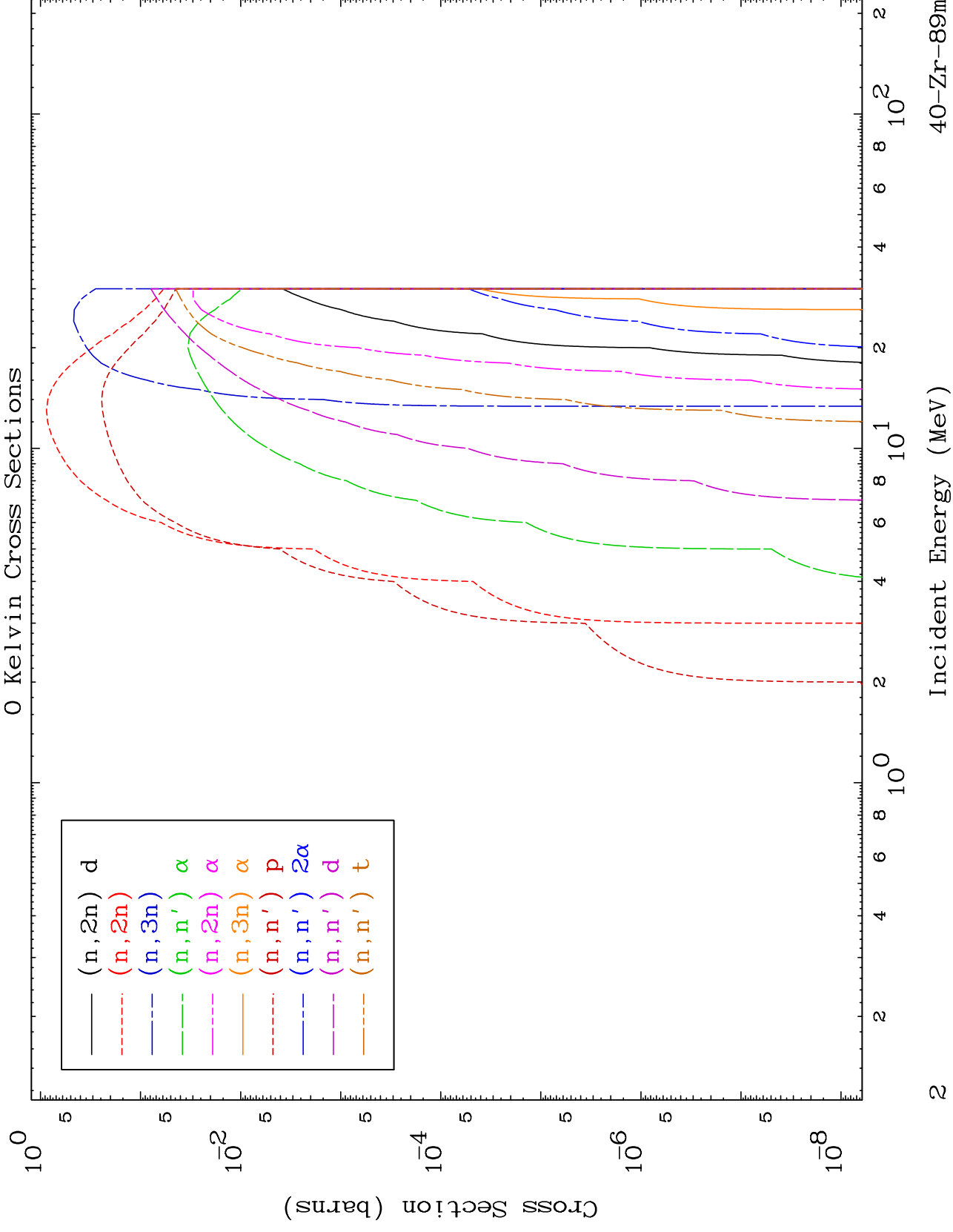
Tele: 925-443-1911

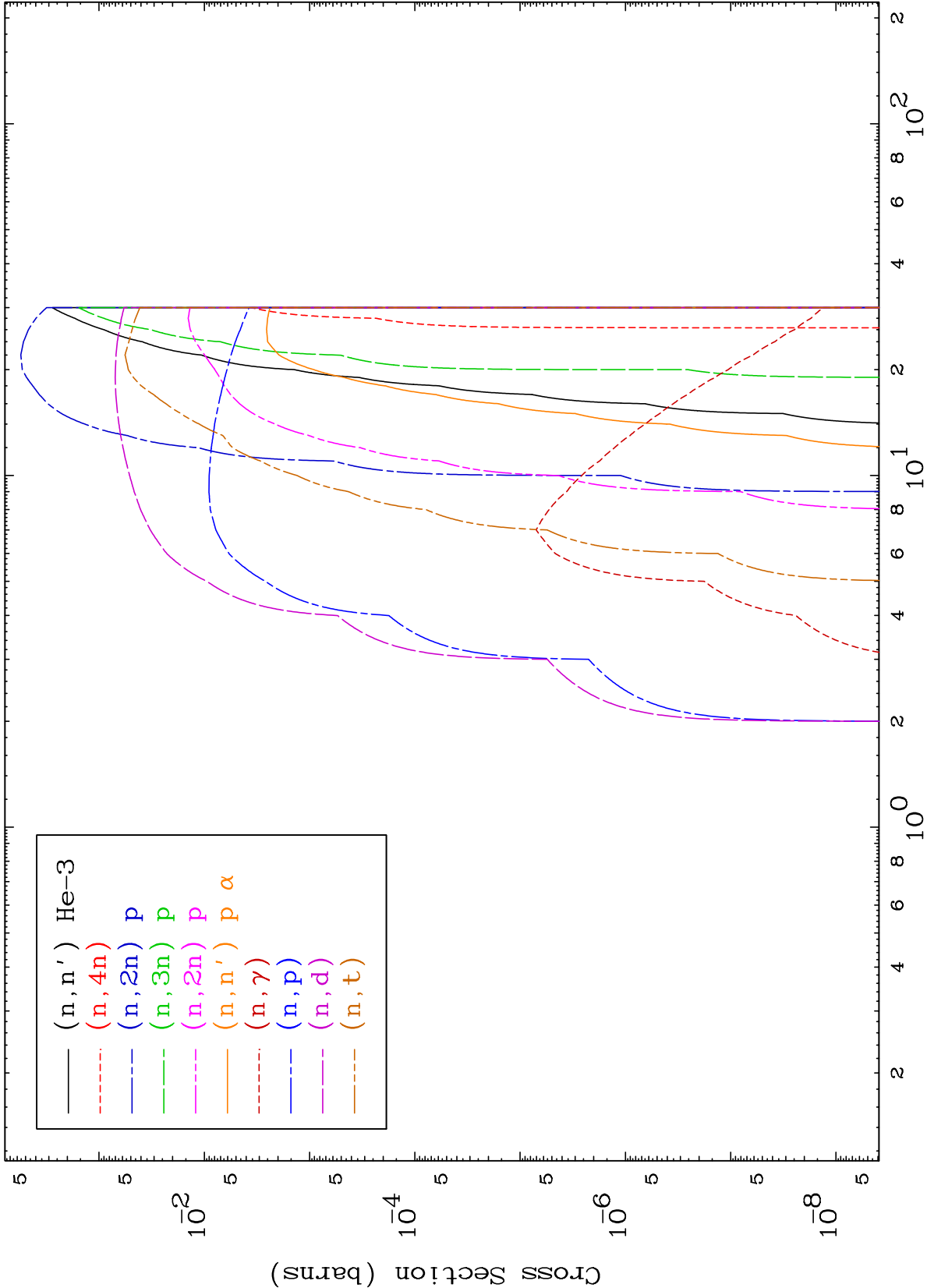
E.Mail:redcullen1@comcast.net

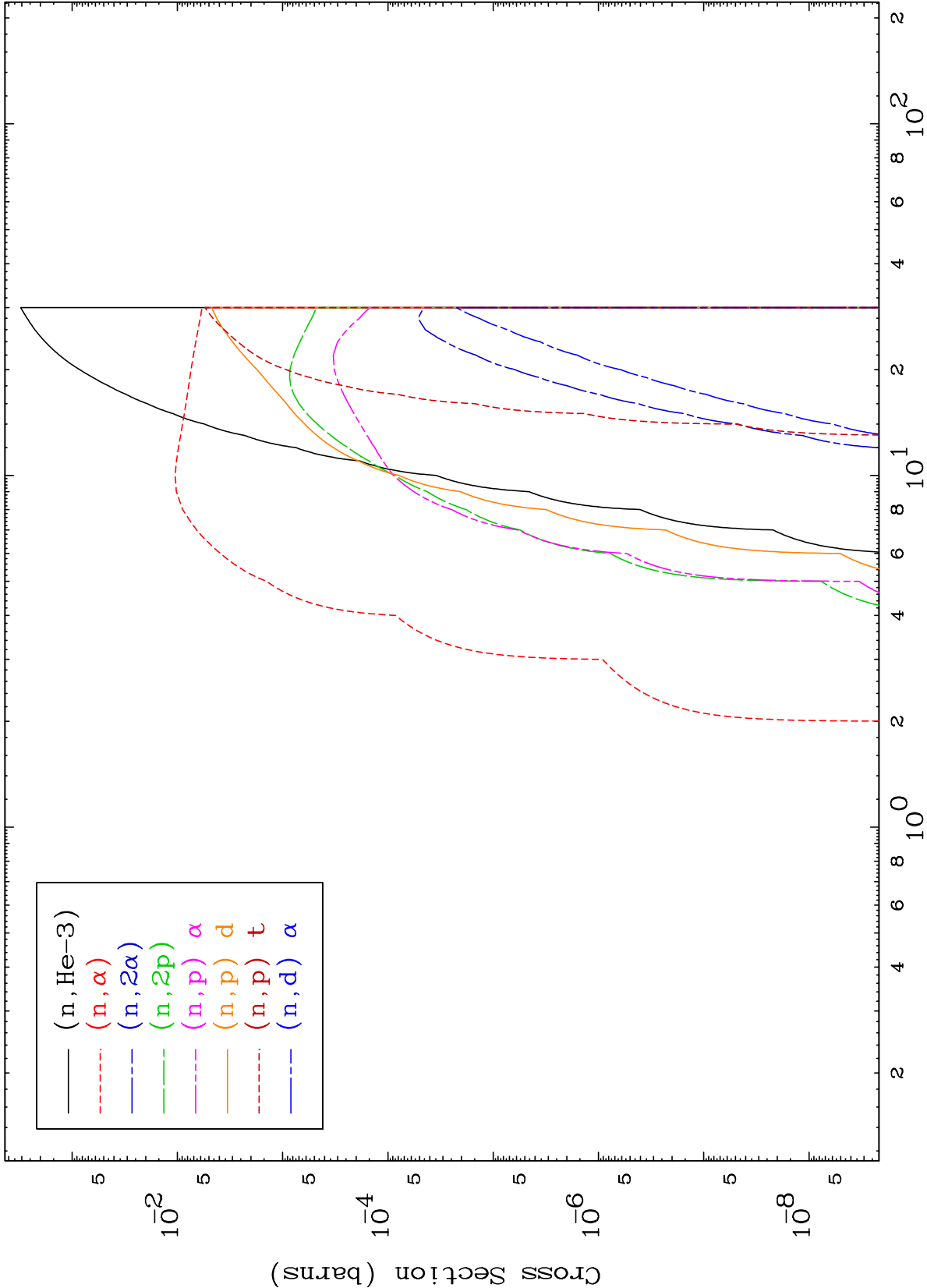
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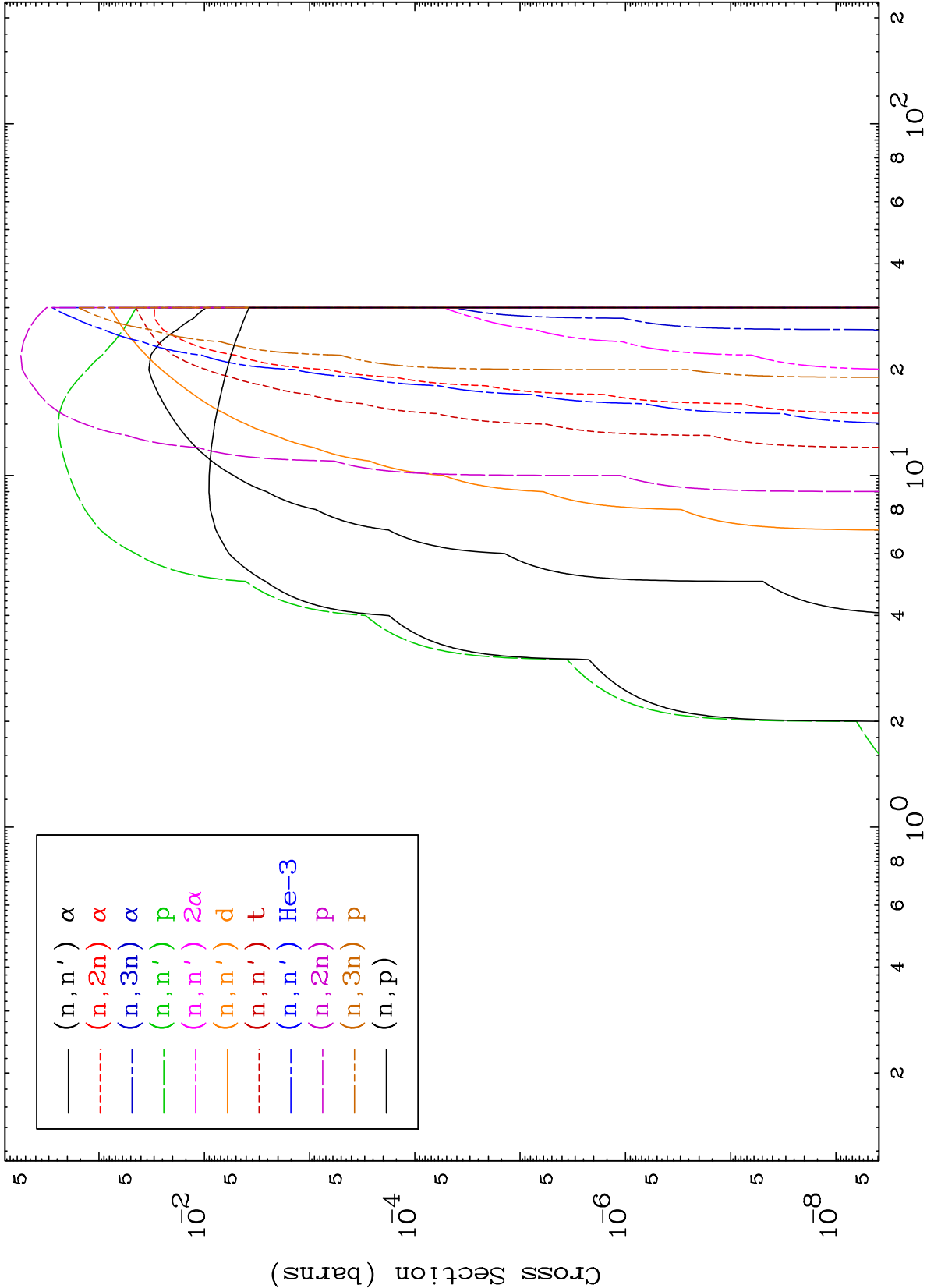
Press Mouse Button to Start

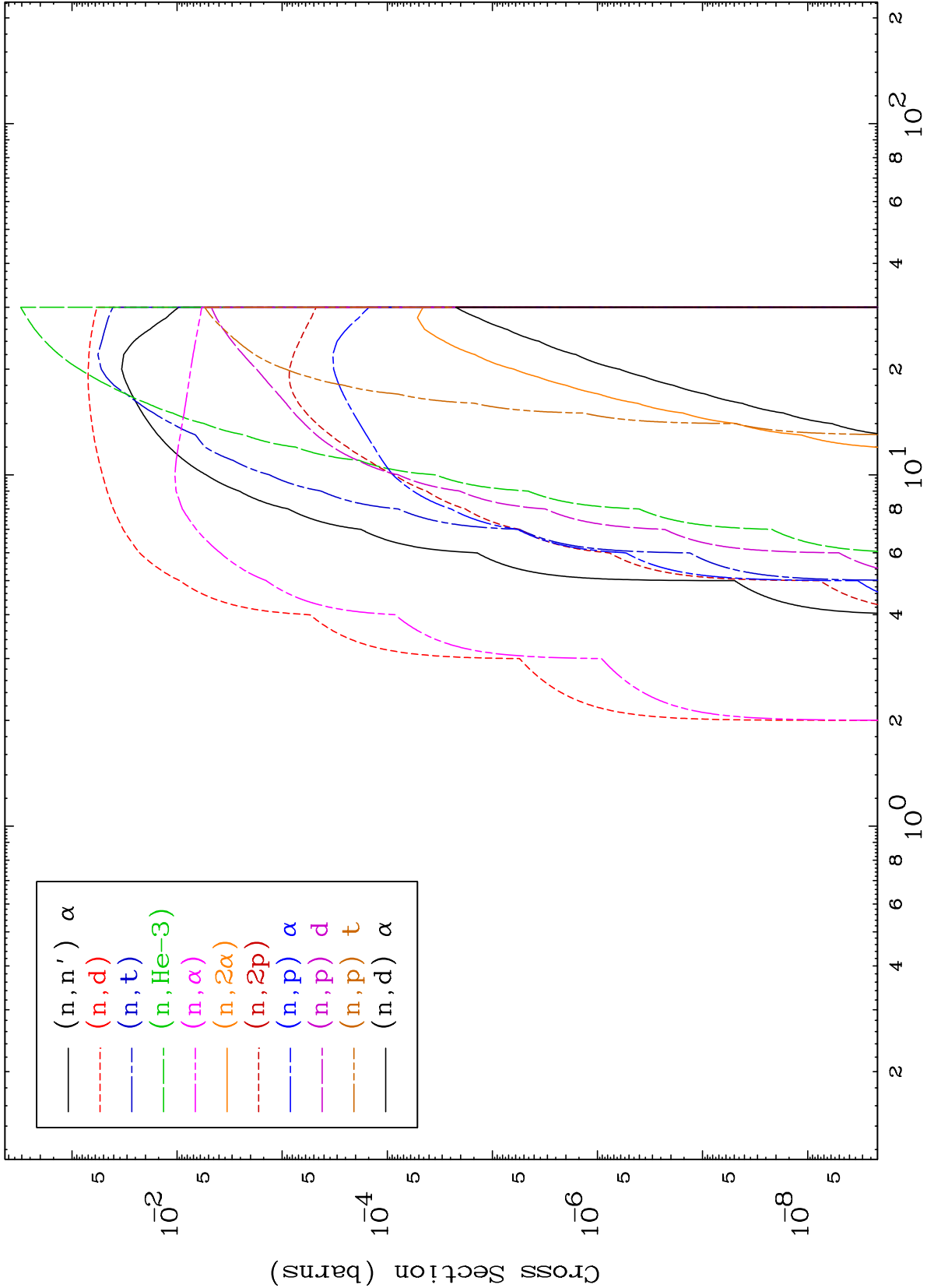


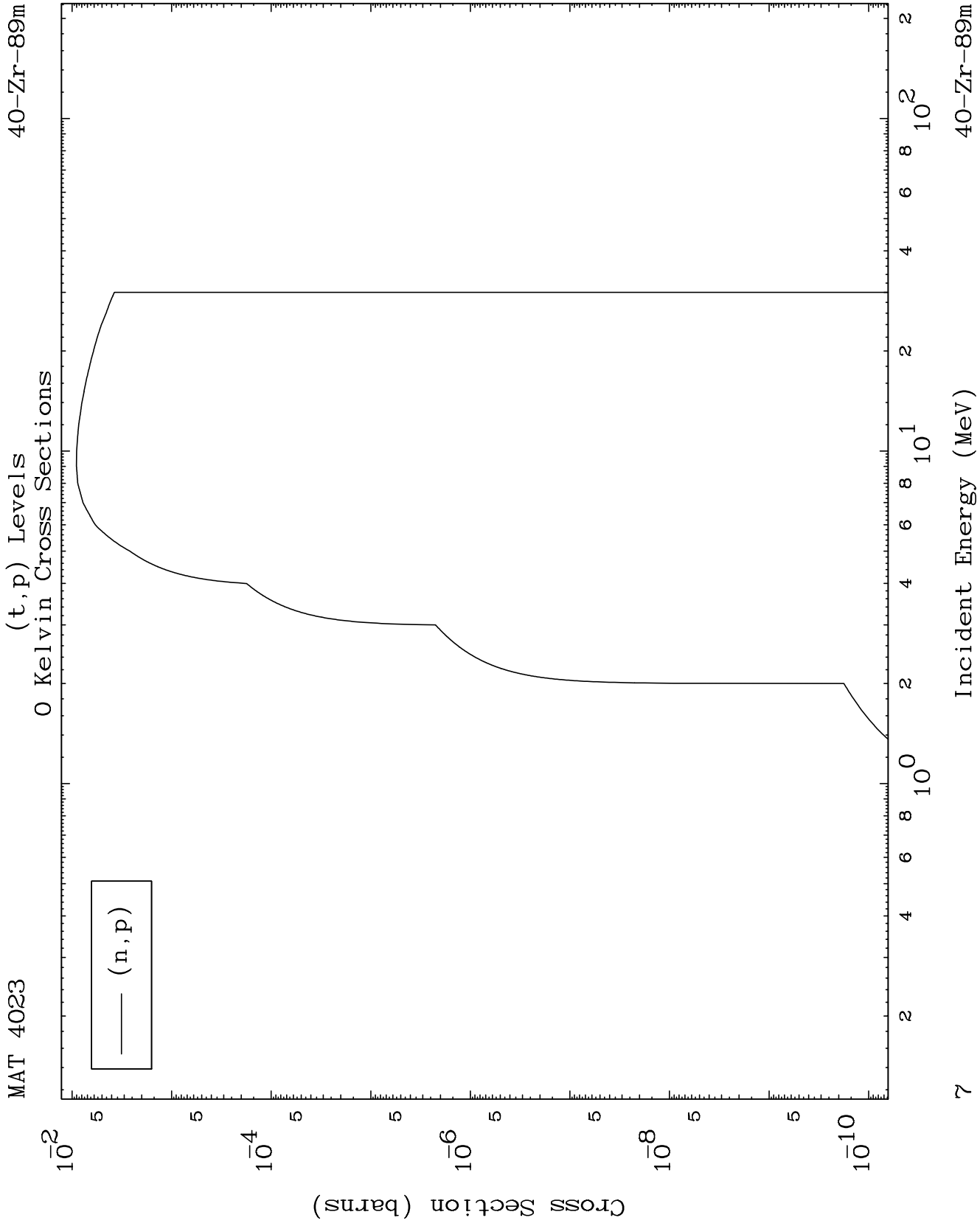








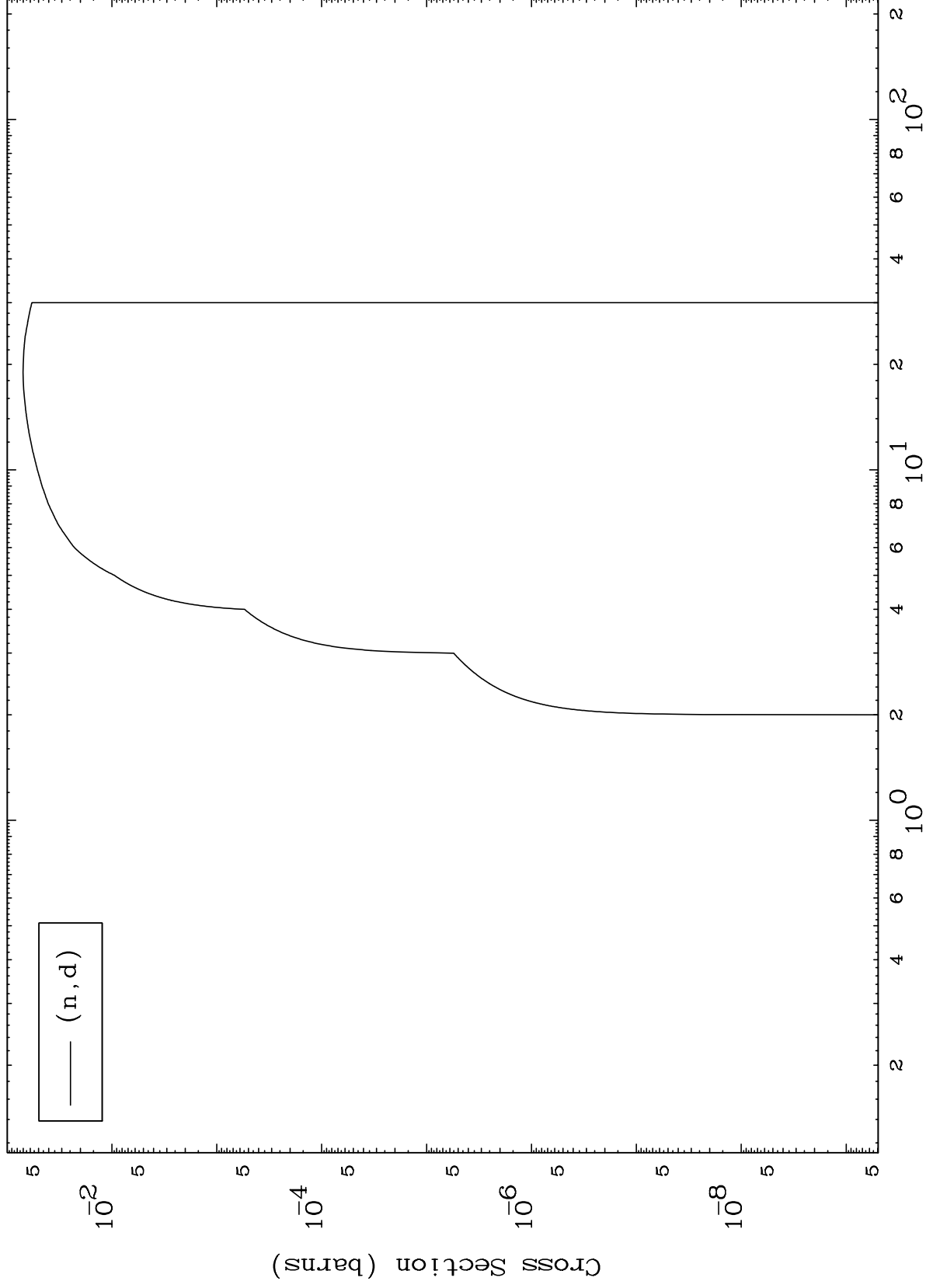




MAT 4023

40-Zr-89m

(t,d) Levels
0 Kelvin Cross Sections



8

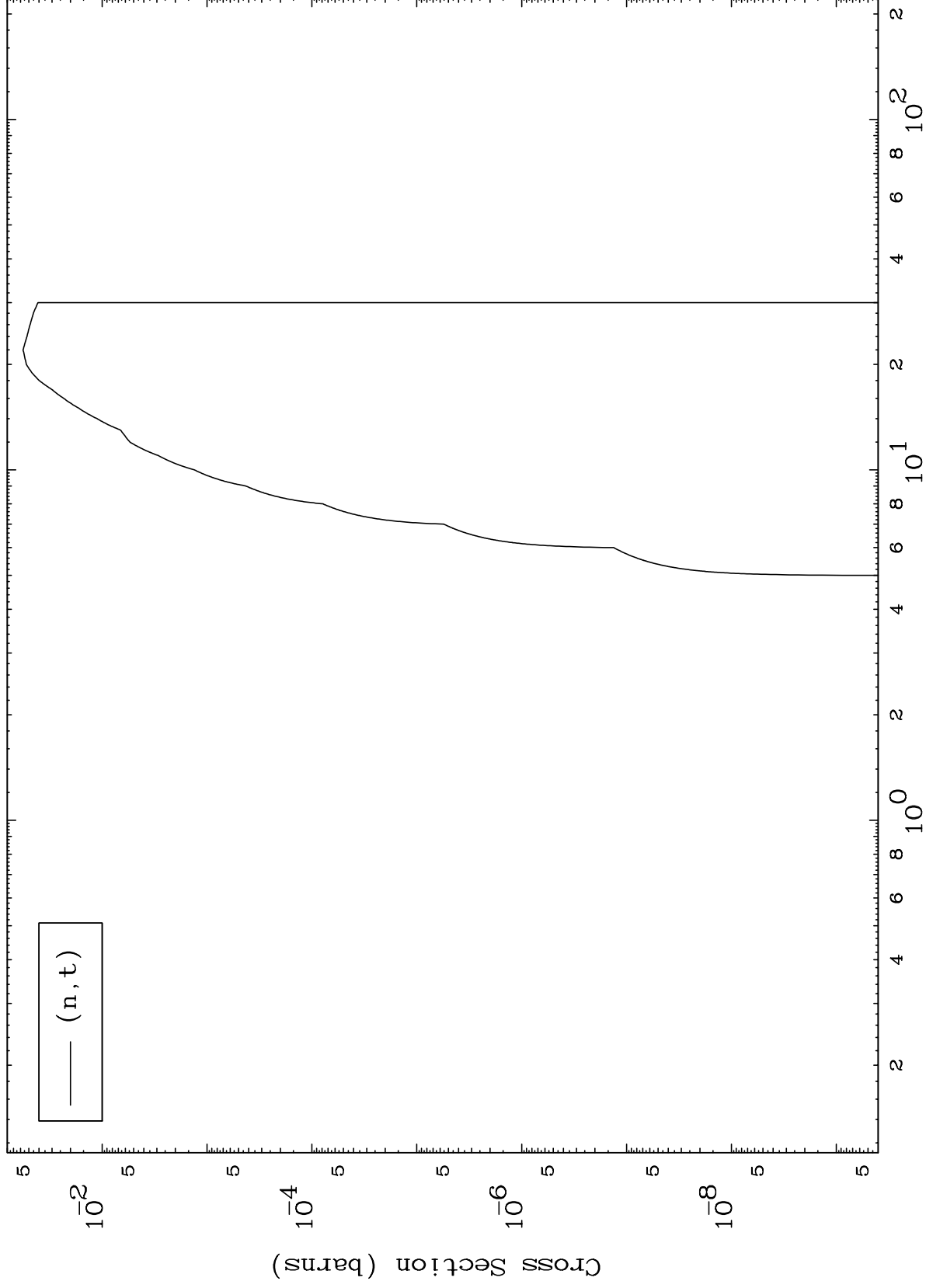
Incident Energy (MeV)

40-Zr-89m

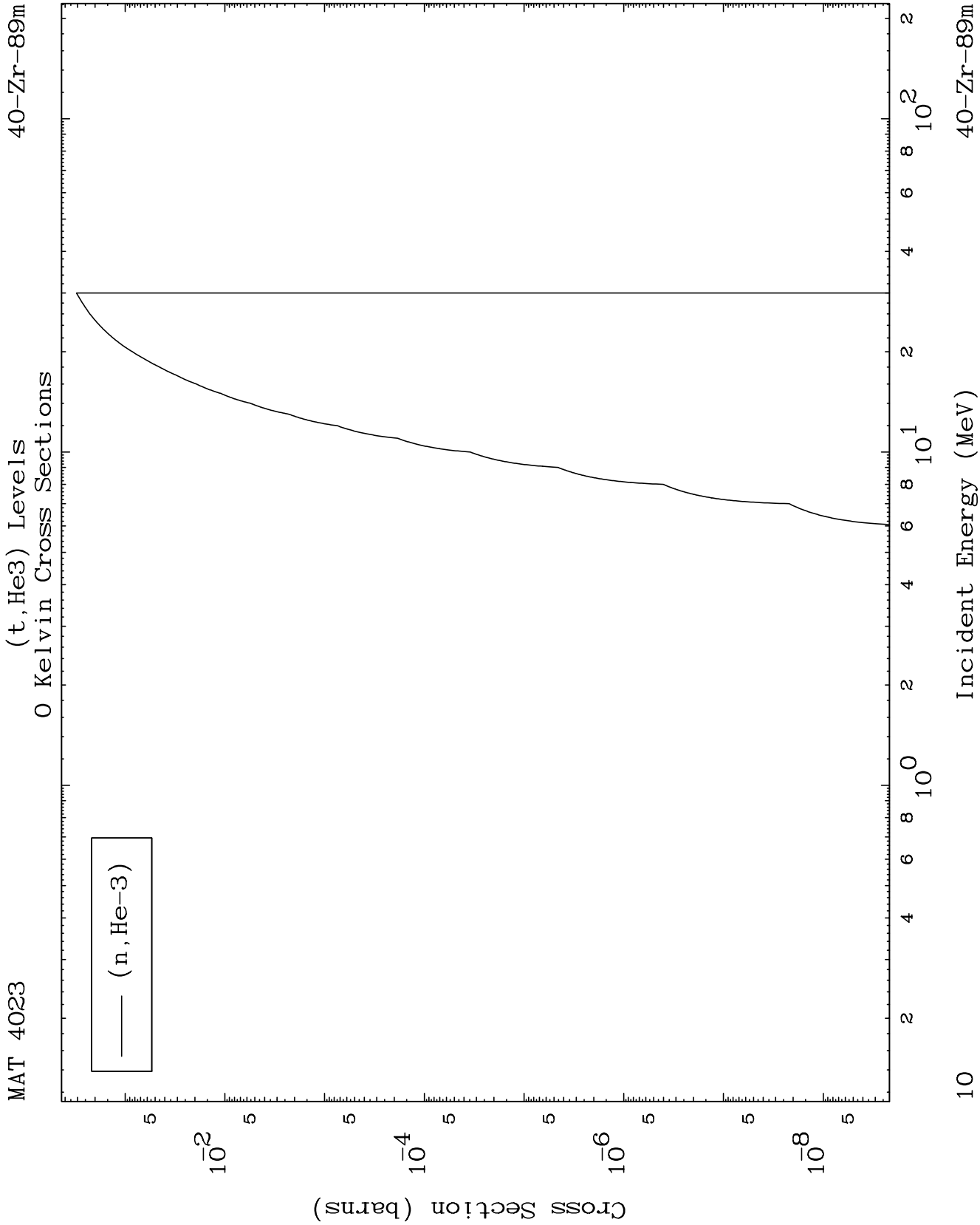
MAT 4023

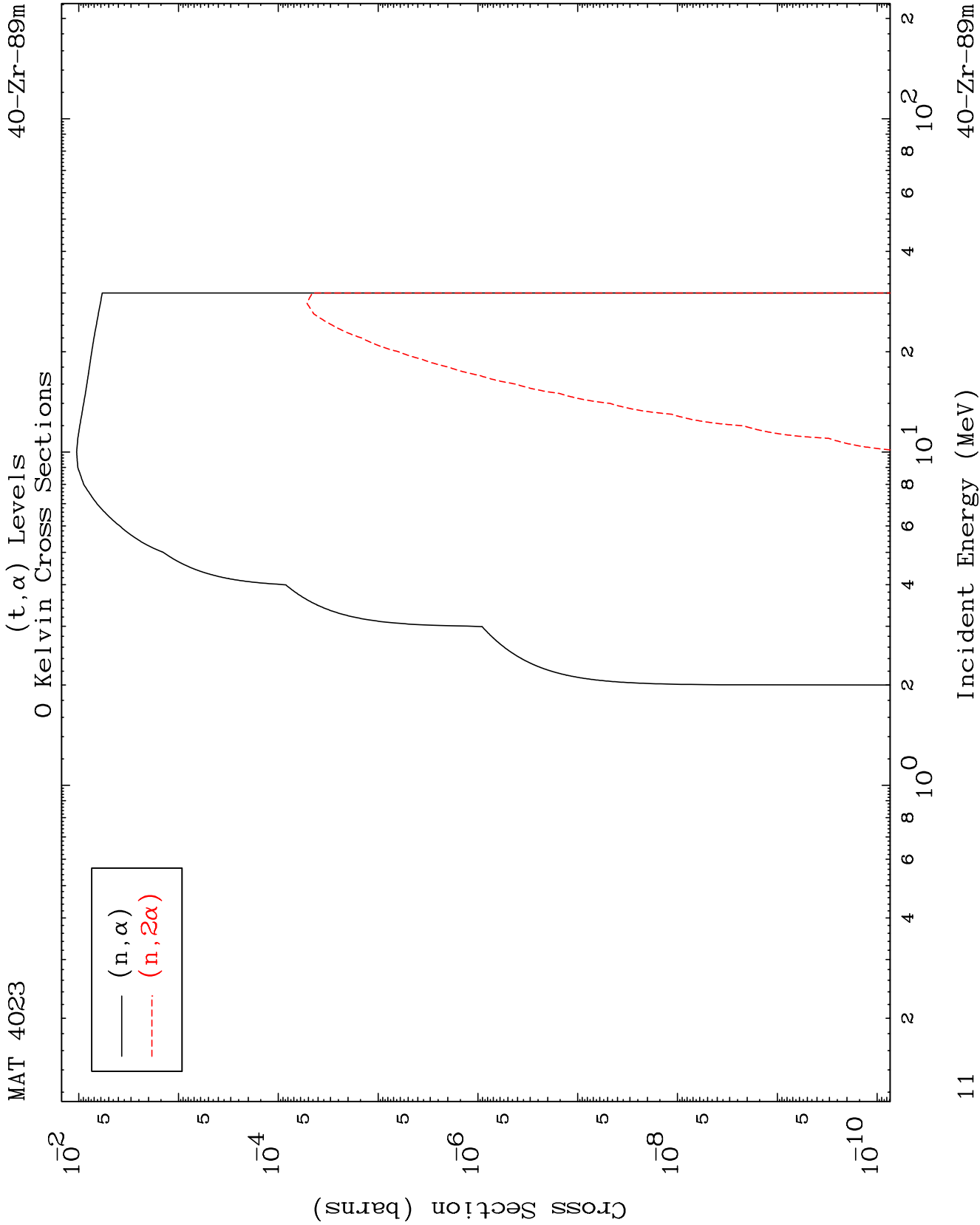
40-Zr-89m

(t,t) Levels
0 Kelvin Cross Sections



— (n,t)

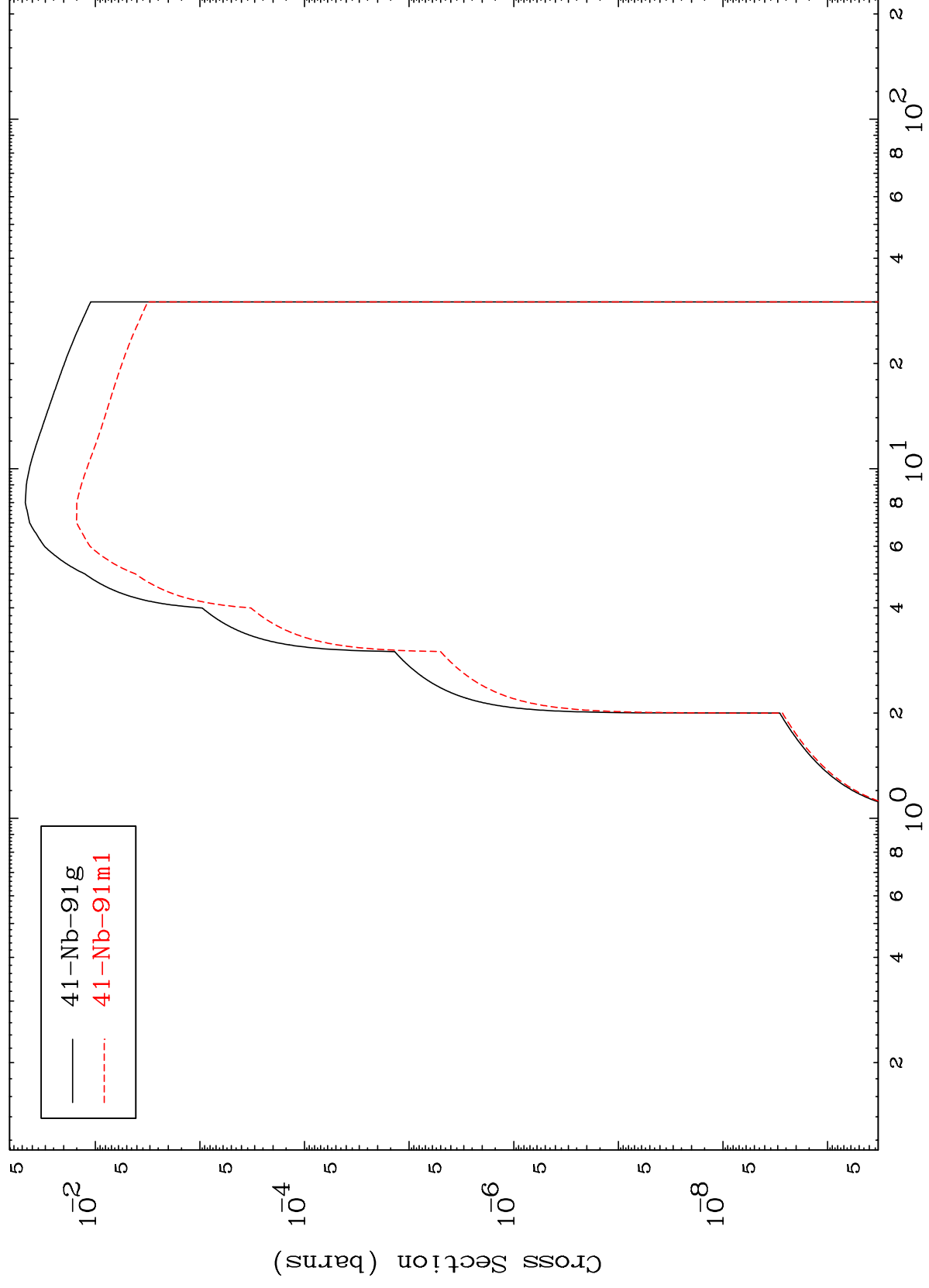




MAT 4023

Inelastic
Radionuclide Production Cross Section

40-Zr-89m



— 41-Nb-91g
- - - 41-Nb-91m1

12

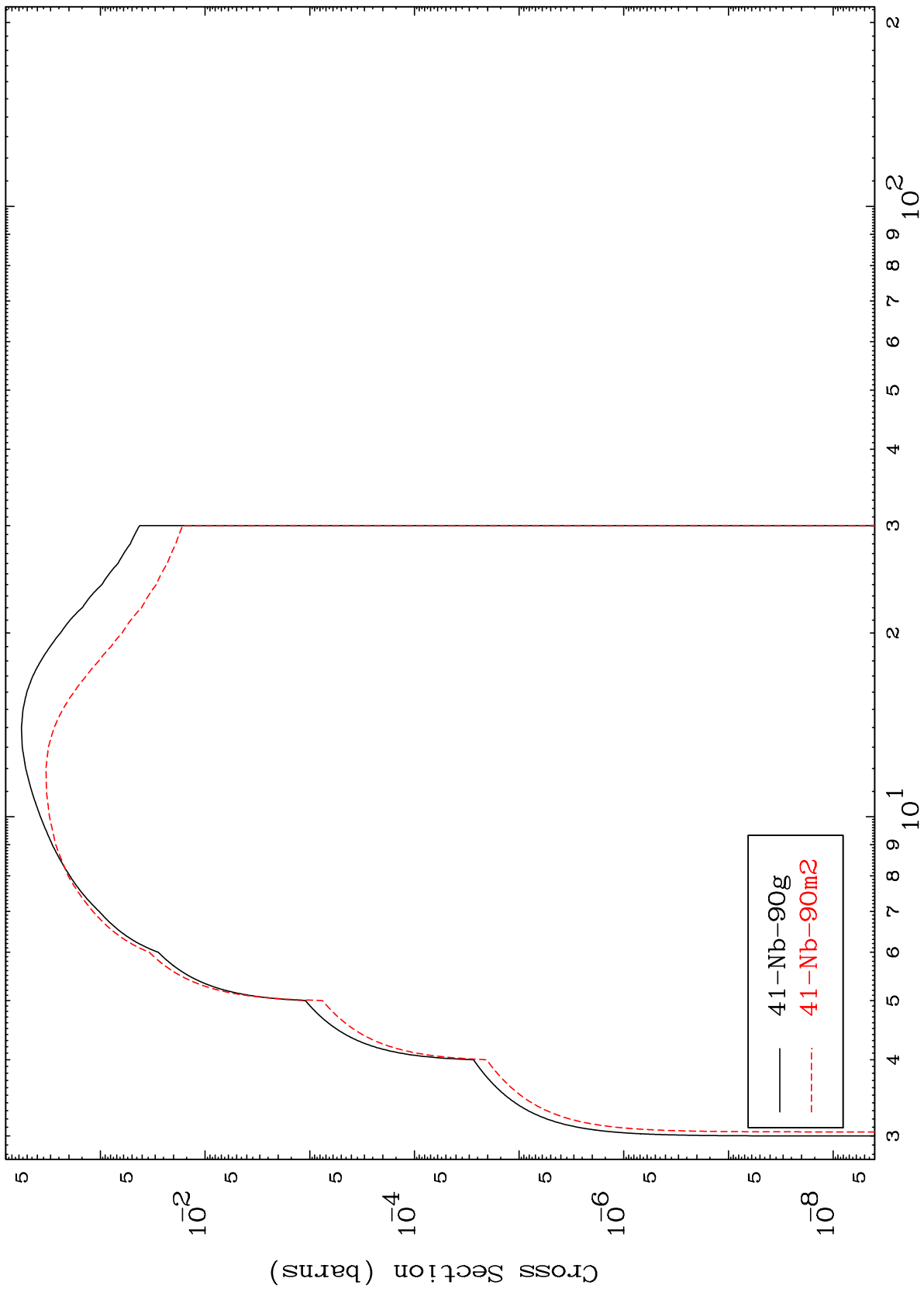
Incident Energy (MeV)

40-Zr-89m

MAT 4023

40-Zr-89m

Radionuclide Production Cross Section
(n,2n)



40-Zr-89m

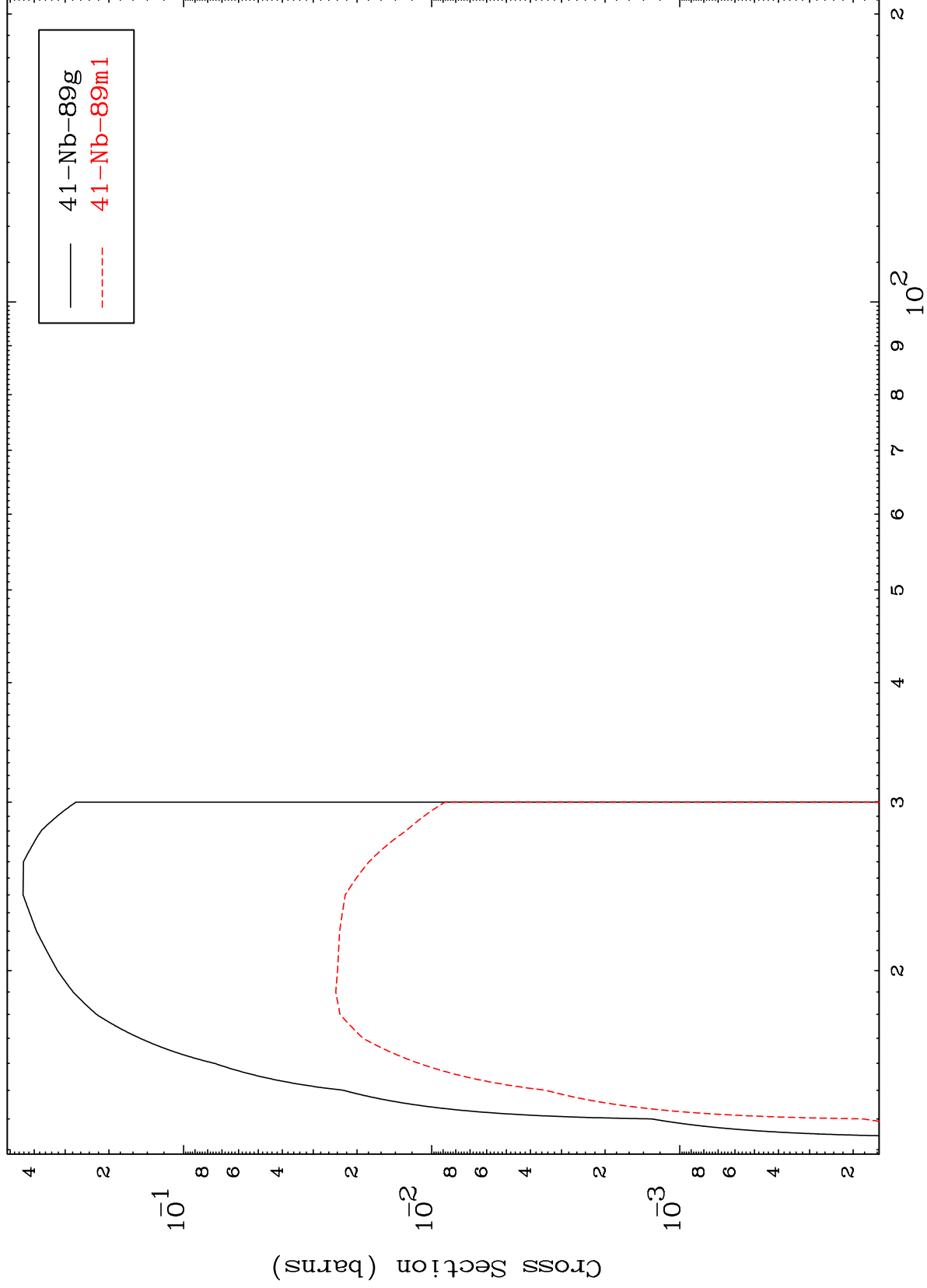
Incident Energy (MeV)

13

MAT 4023

40-Zr-89m

(n,3n)
Radionuclide Production Cross Section



14

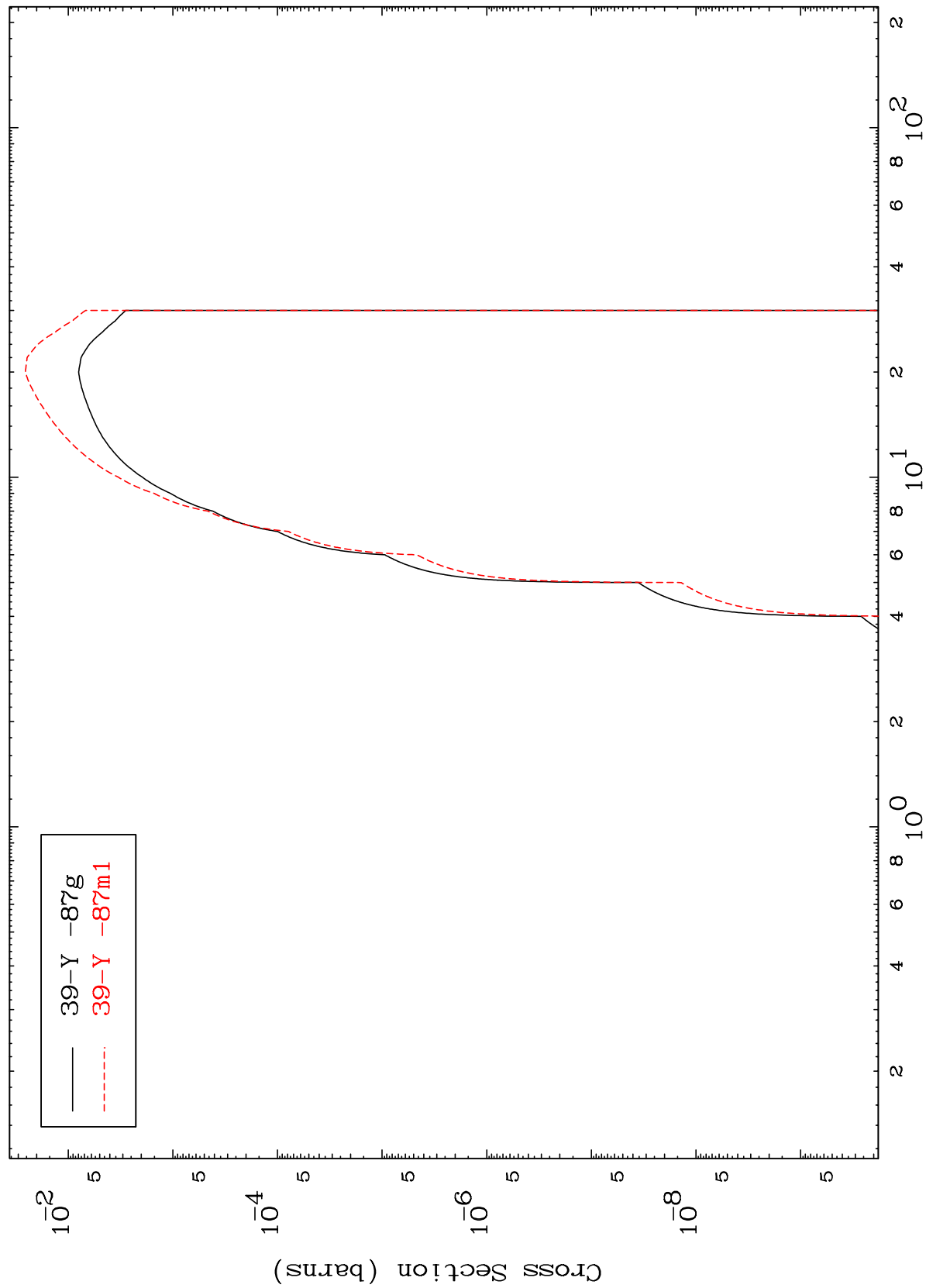
Incident Energy (MeV)

40-Zr-89m

MAT 4023

40-Zr-89m

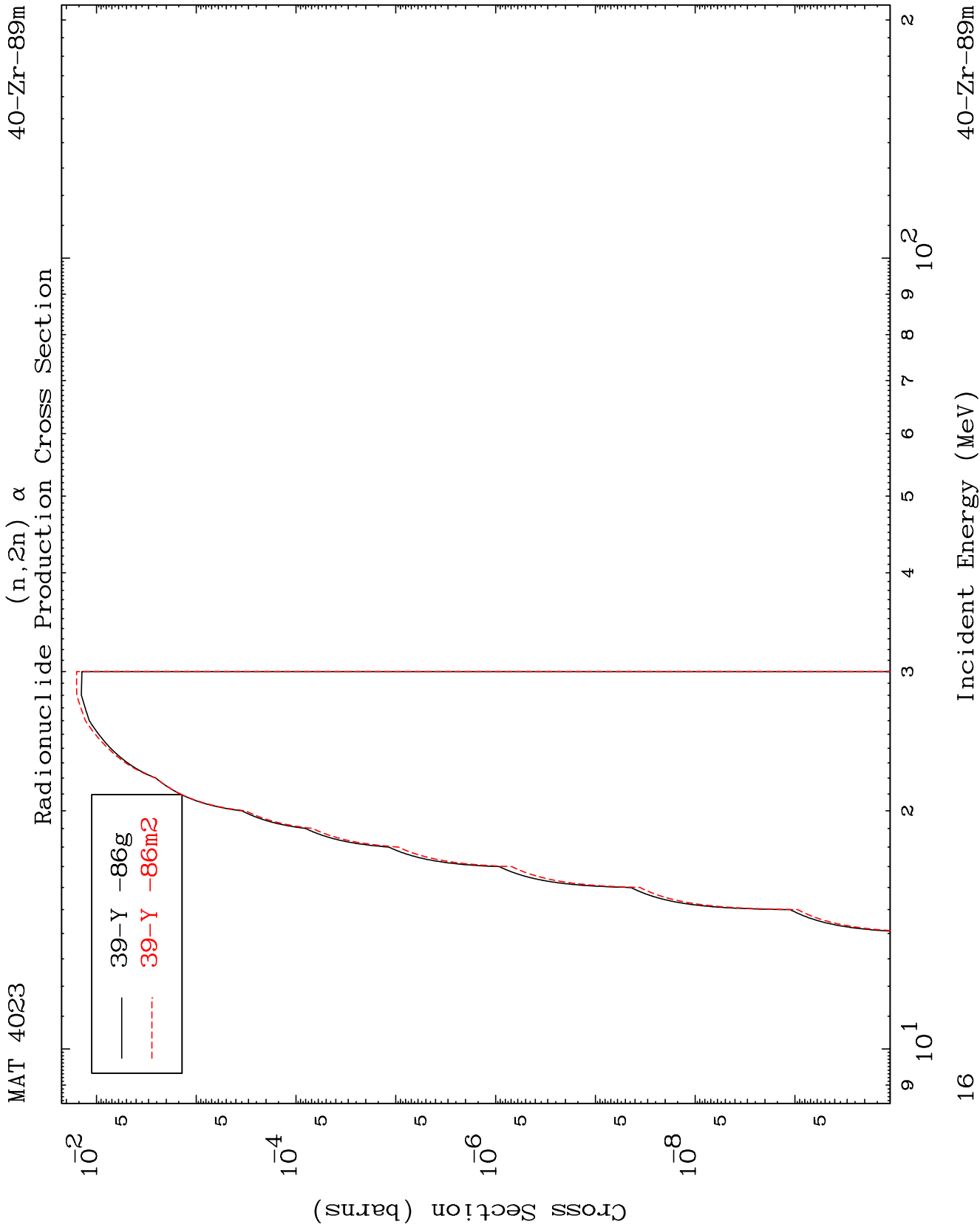
Radionuclide Production Cross Section
(n,n') α

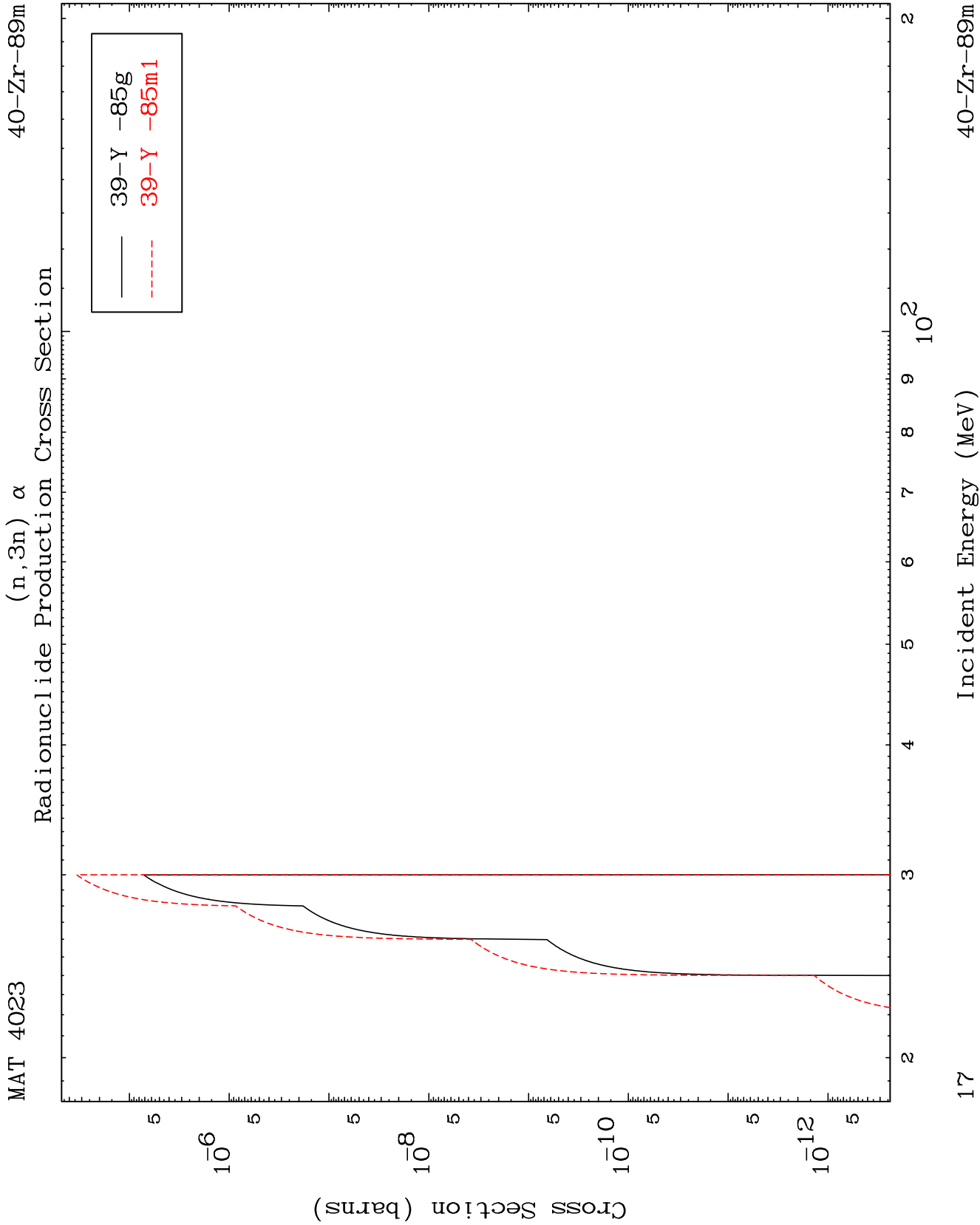


15

Incident Energy (MeV)

40-Zr-89m

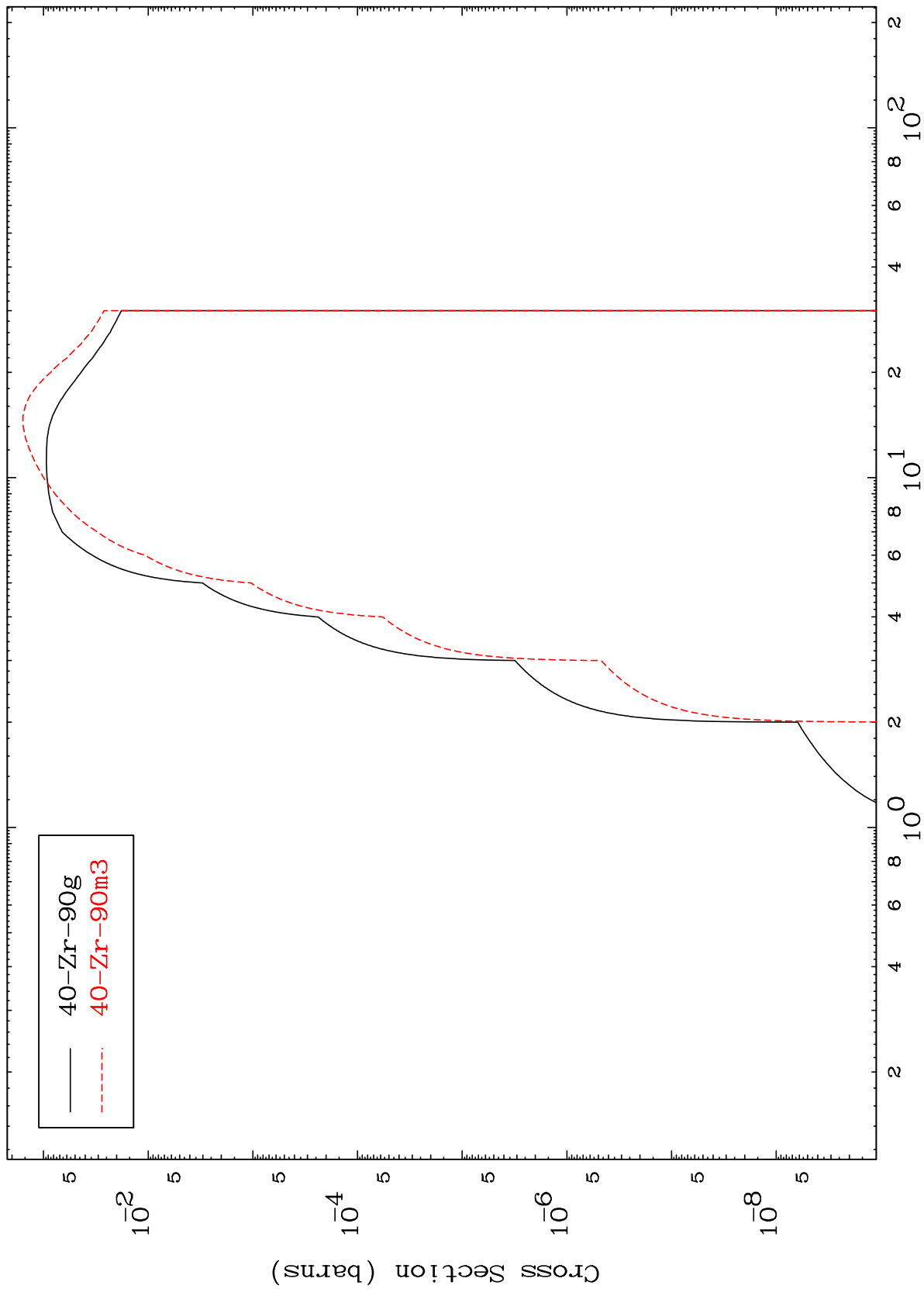




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40-Zr-89m

$(n,n')\ p$
Radionuclide Production Cross Section



18

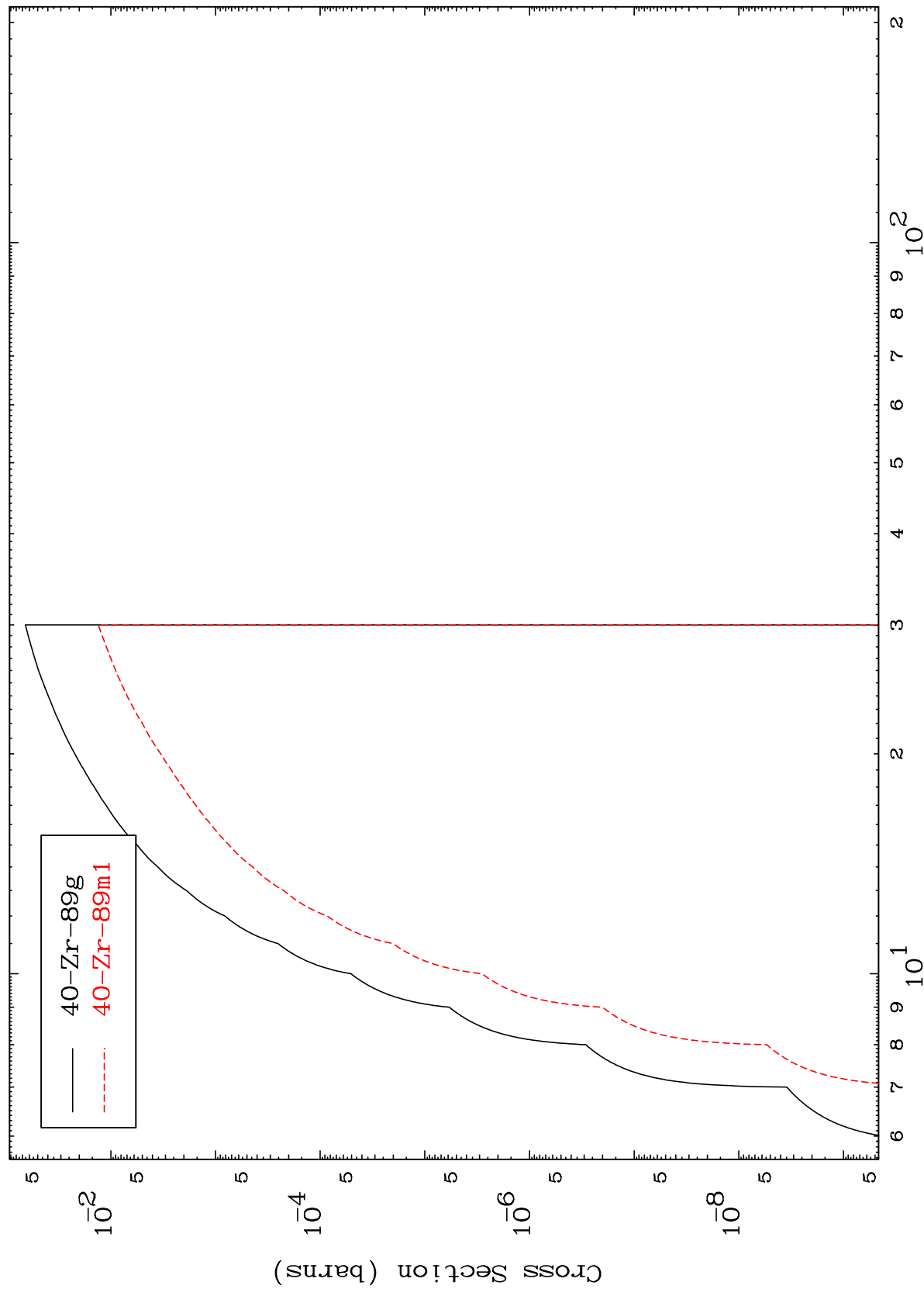
Incident Energy (MeV)

40-Zr-89m

MAT 4023

40-Zr-89m

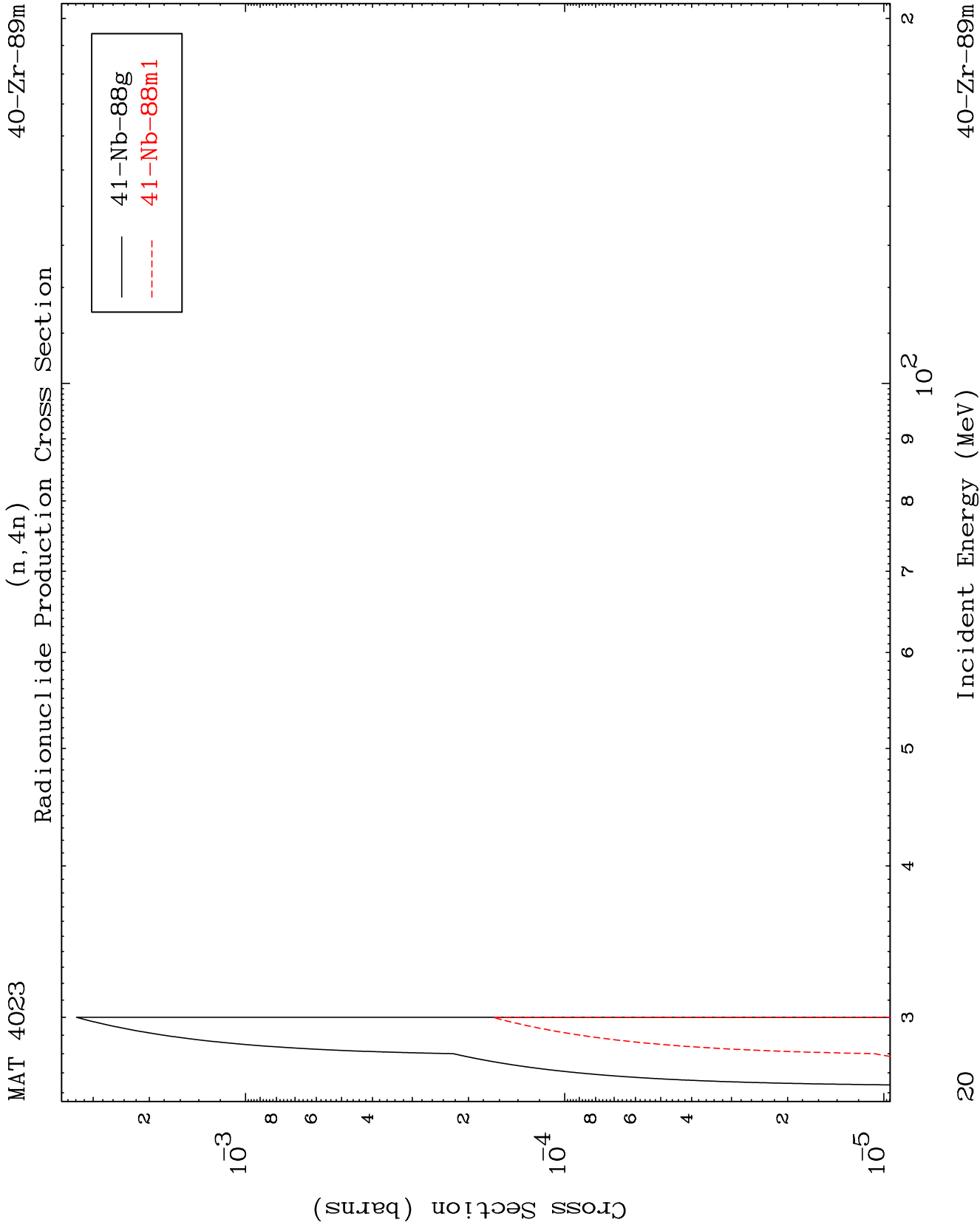
(n,n') d
Radionuclide Production Cross Section



40-Zr-89m

Incident Energy (MeV)

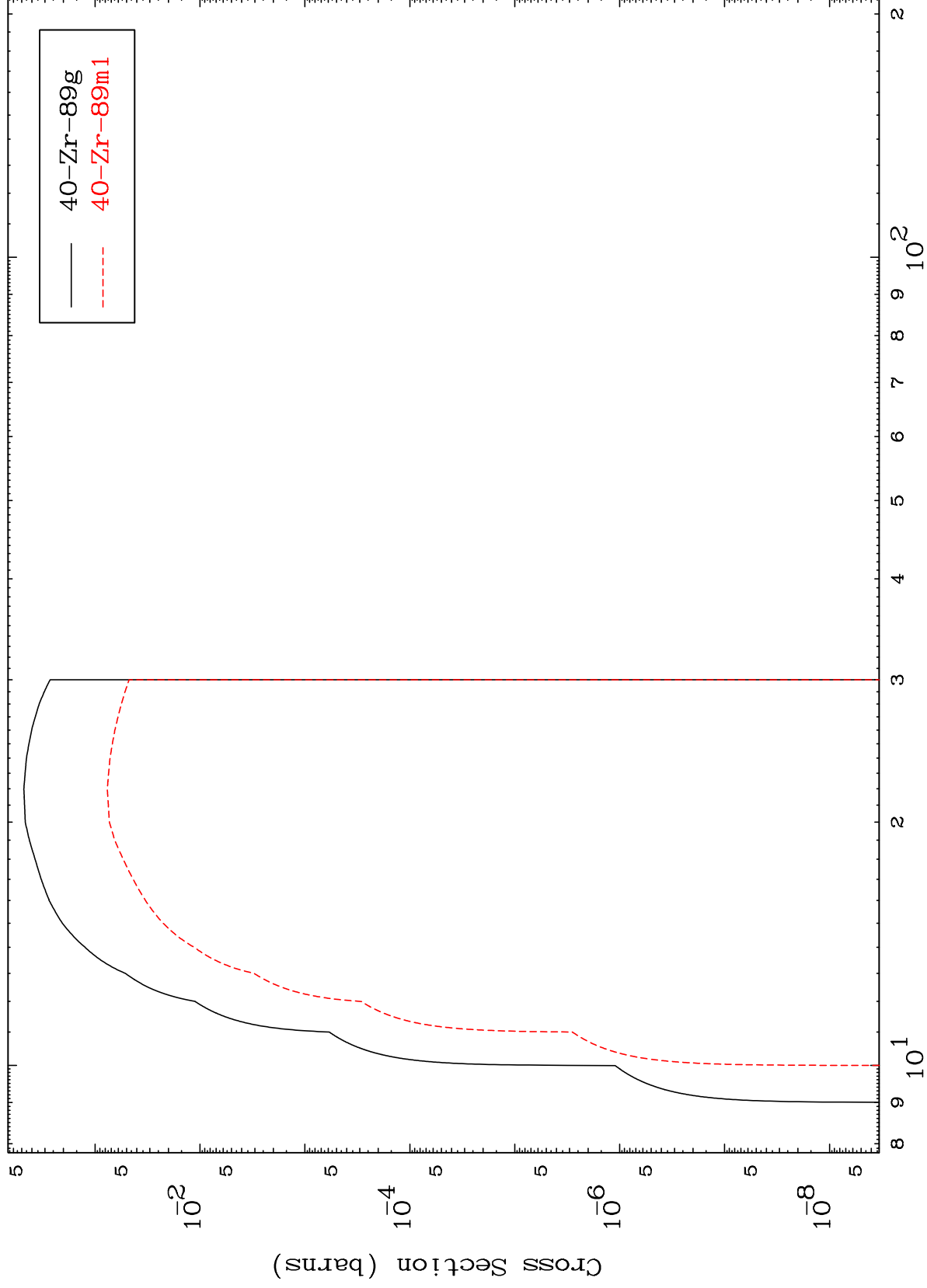
19



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40-Zr-89m

(n,2n) p
Radionuclide Production Cross Section

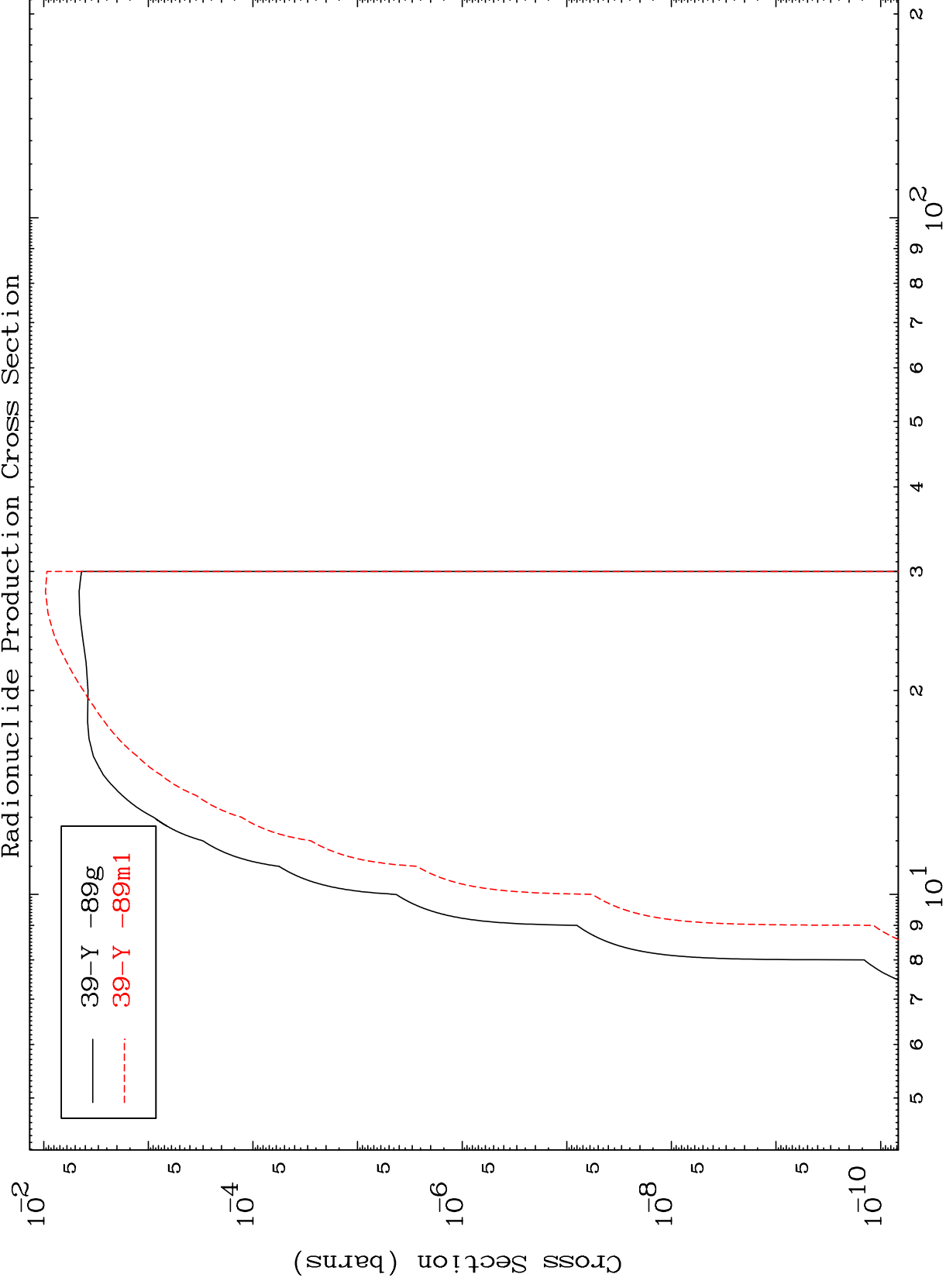


40-Zr-89m

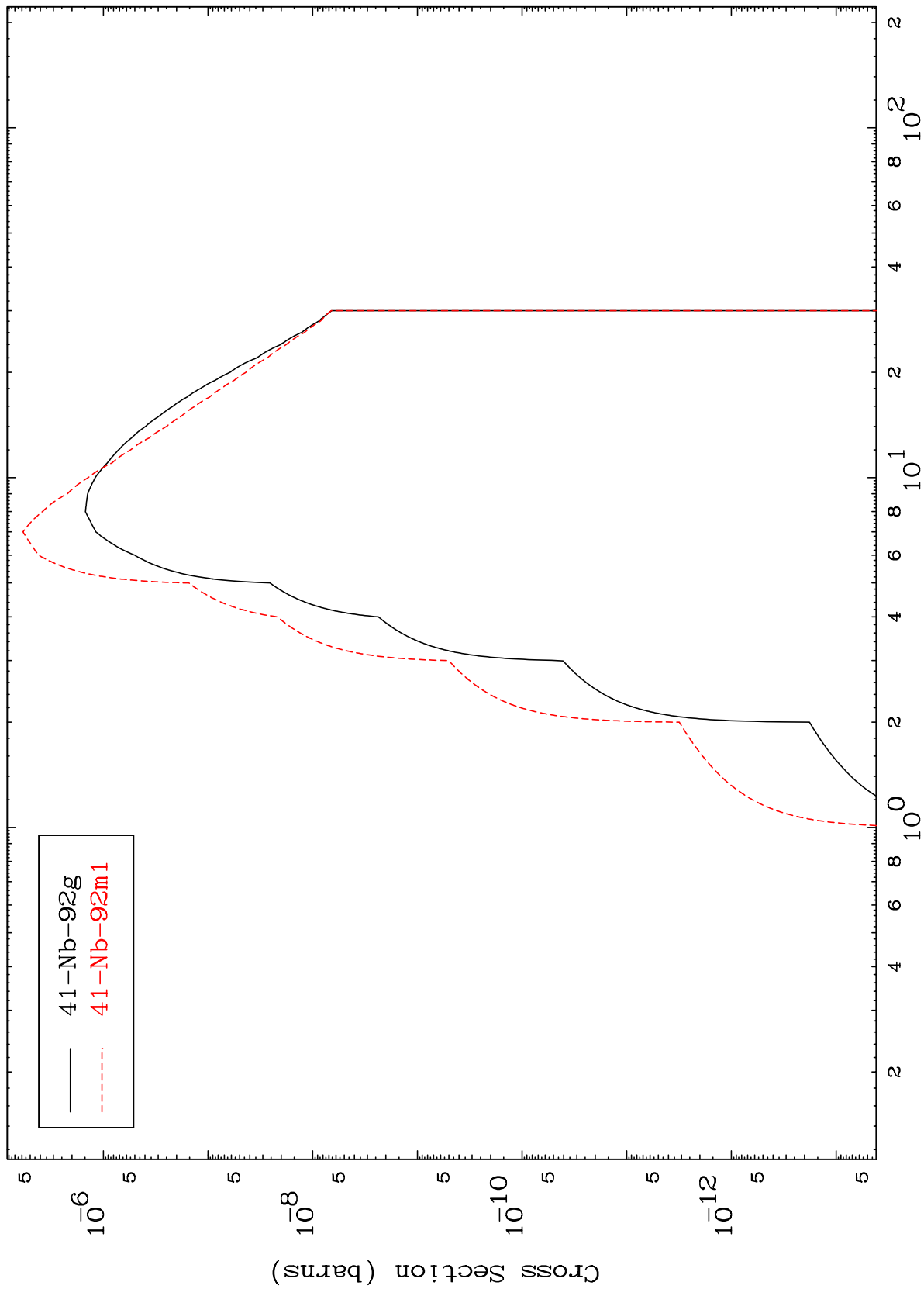
Incident Energy (MeV)

21

(n,2n) p
Radionuclide Production Cross Section



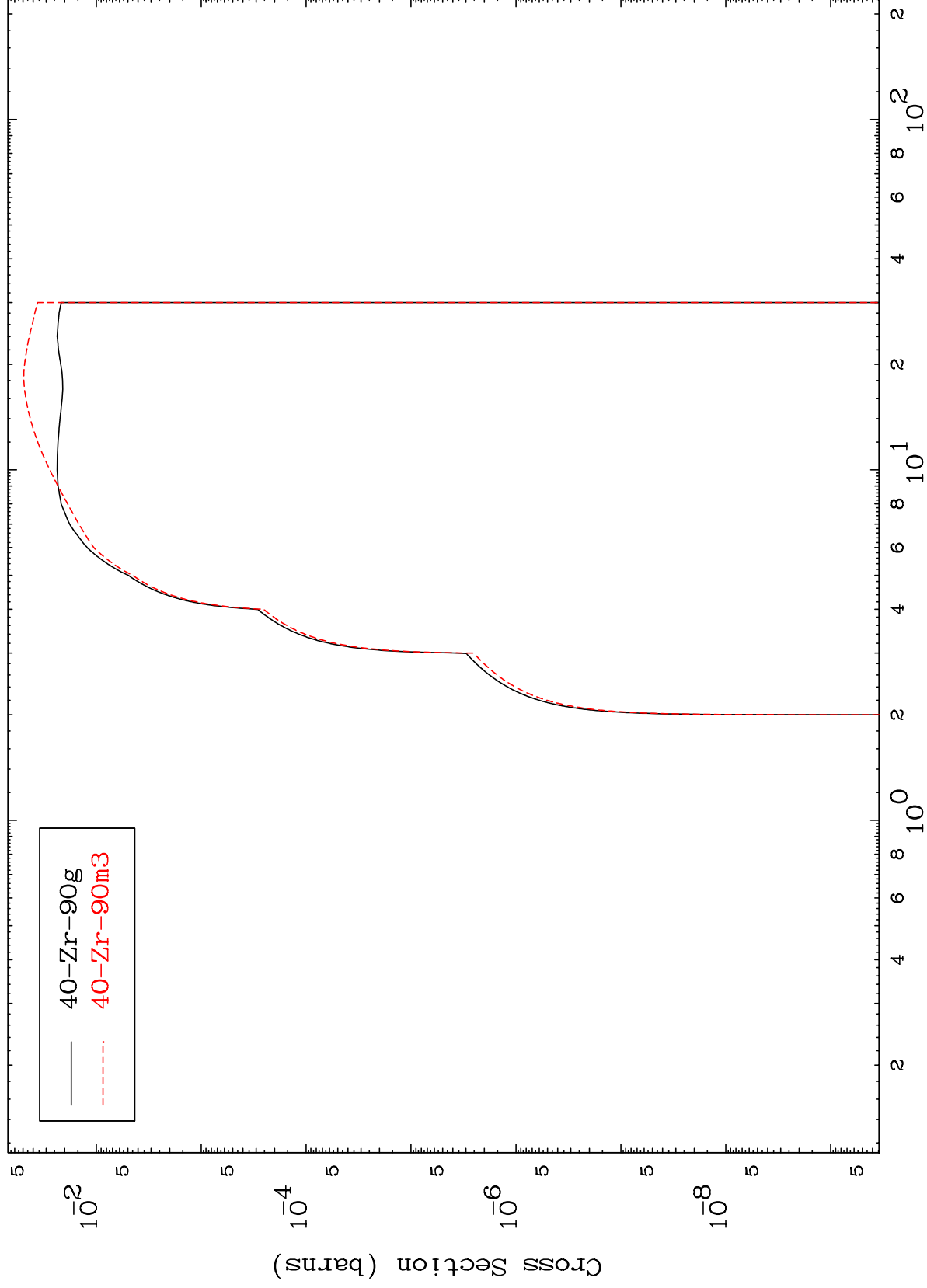
Radionuclide Production Cross Section
(n, γ)



MAT 4023

Radionuclide Production Cross Section
(n,d)

40-Zr-89m



24

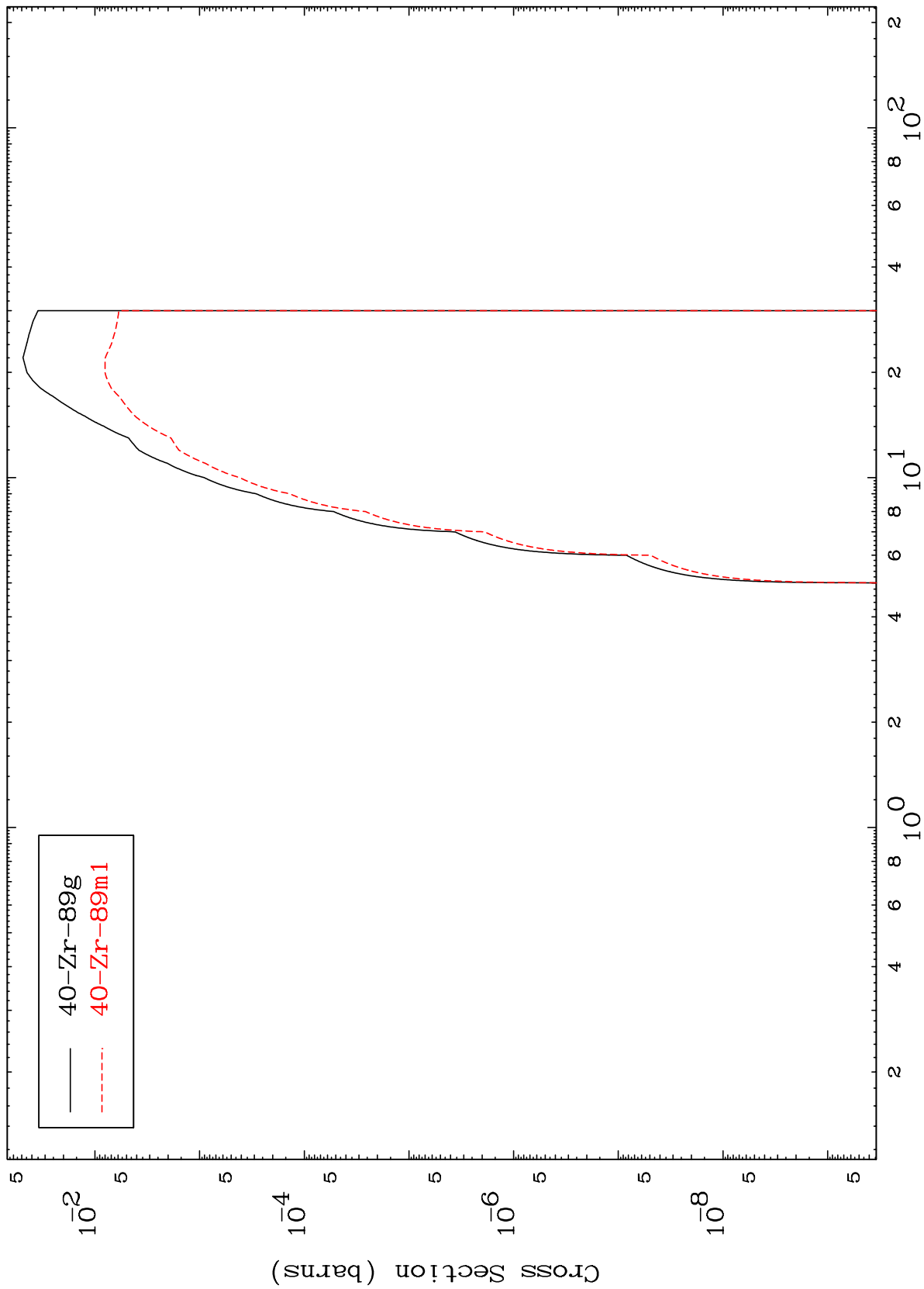
Incident Energy (MeV)

40-Zr-89m

MAT 4023

40-Zr-89m

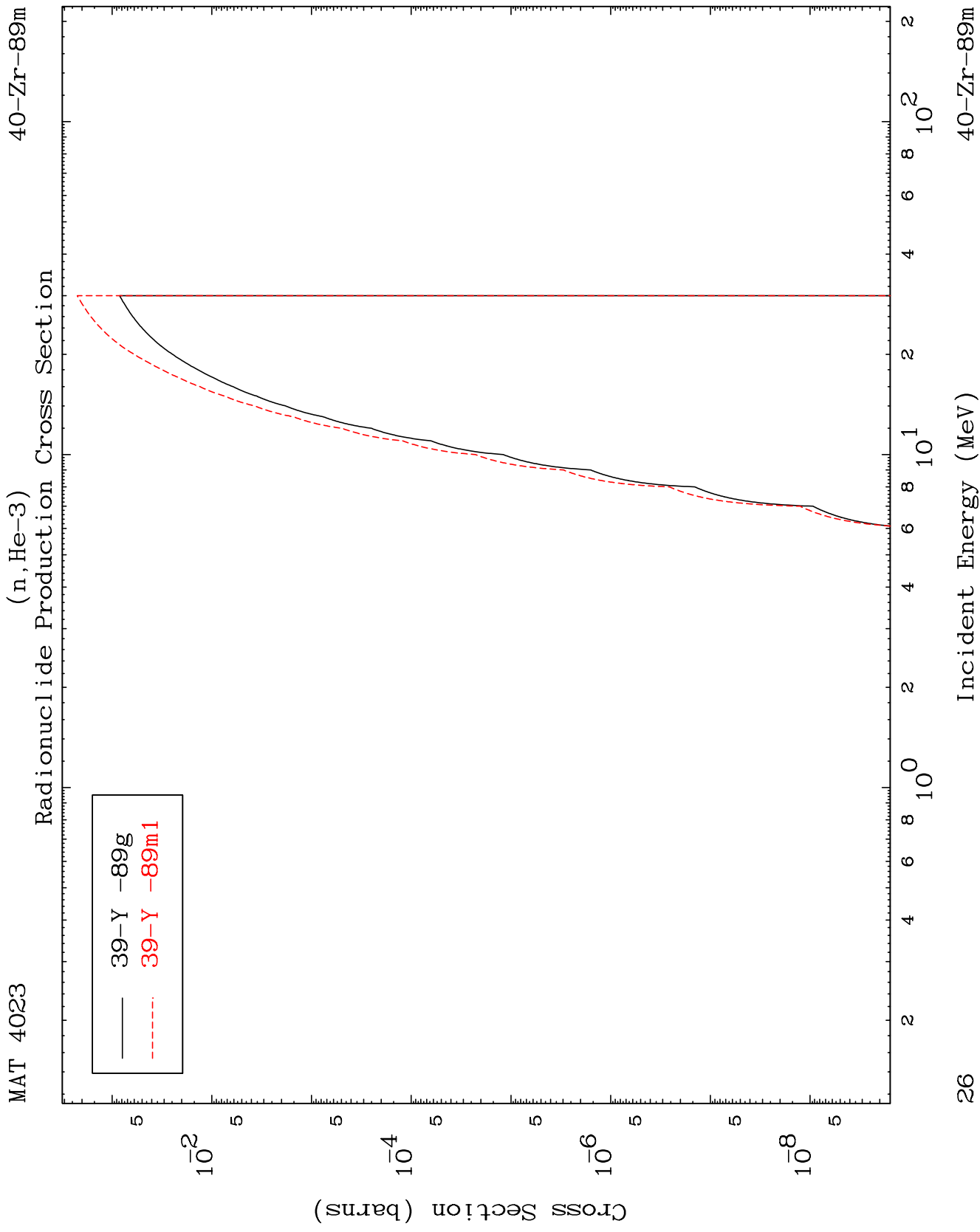
Radionuclide Production Cross Section
(n,t)



25

Incident Energy (MeV)

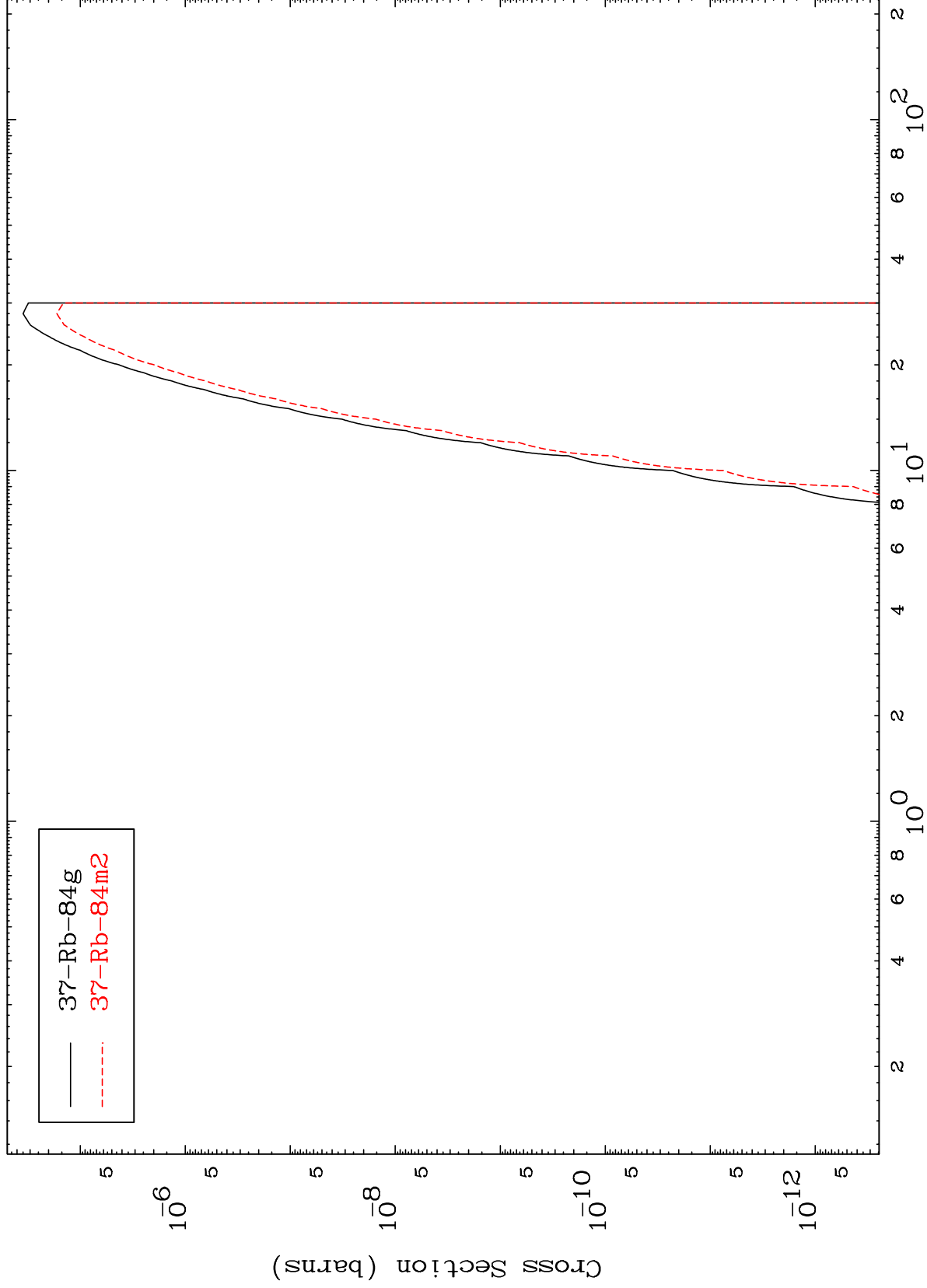
40-Zr-89m



MAT 4023

40-Zr-89m

Radionuclide Production Cross Section
(n,2 α)



27

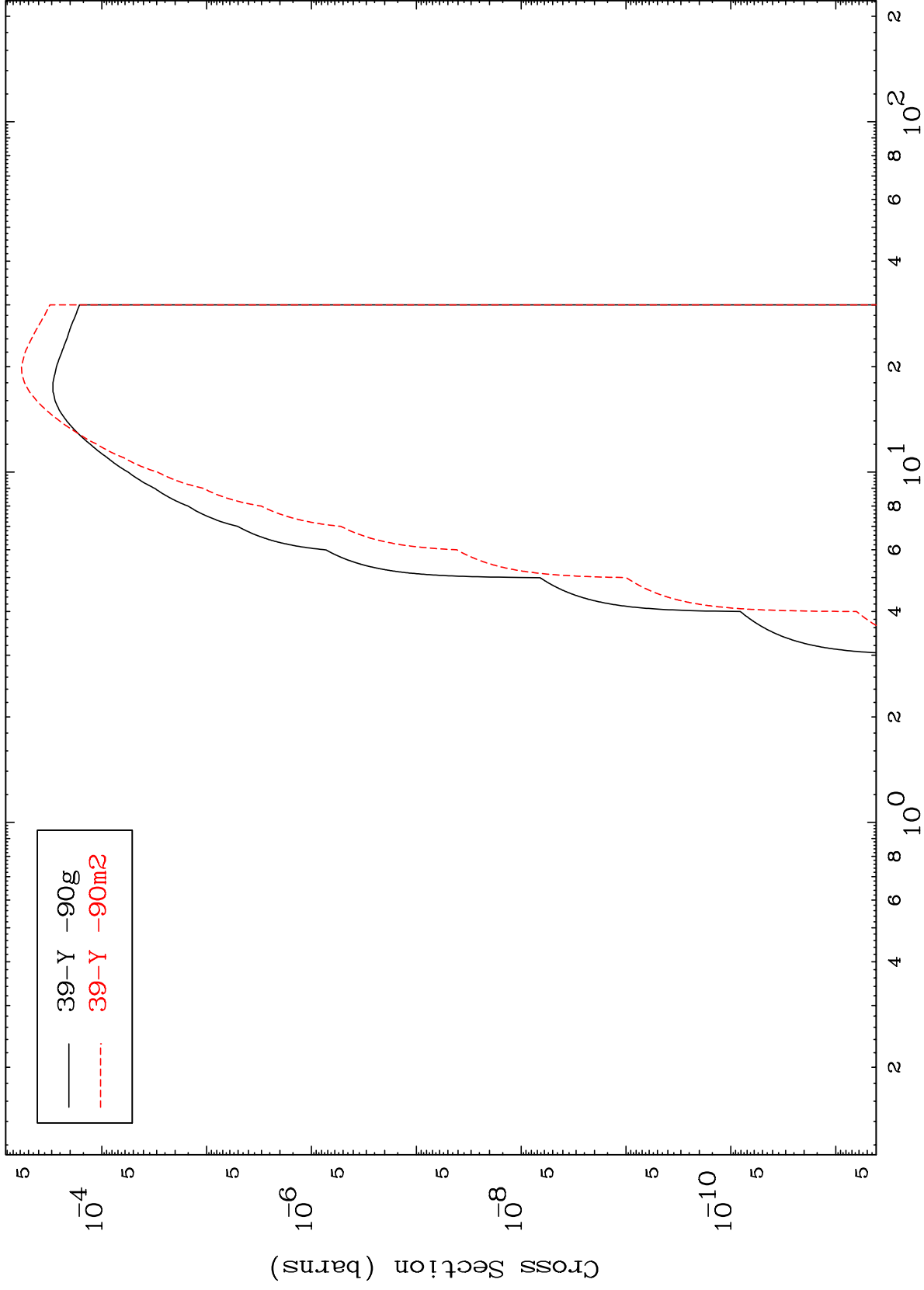
Incident Energy (MeV)

40-Zr-89m

MAT 4023

Radionuclide Production Cross Section
(n,2p)

40-Zr-89m



28

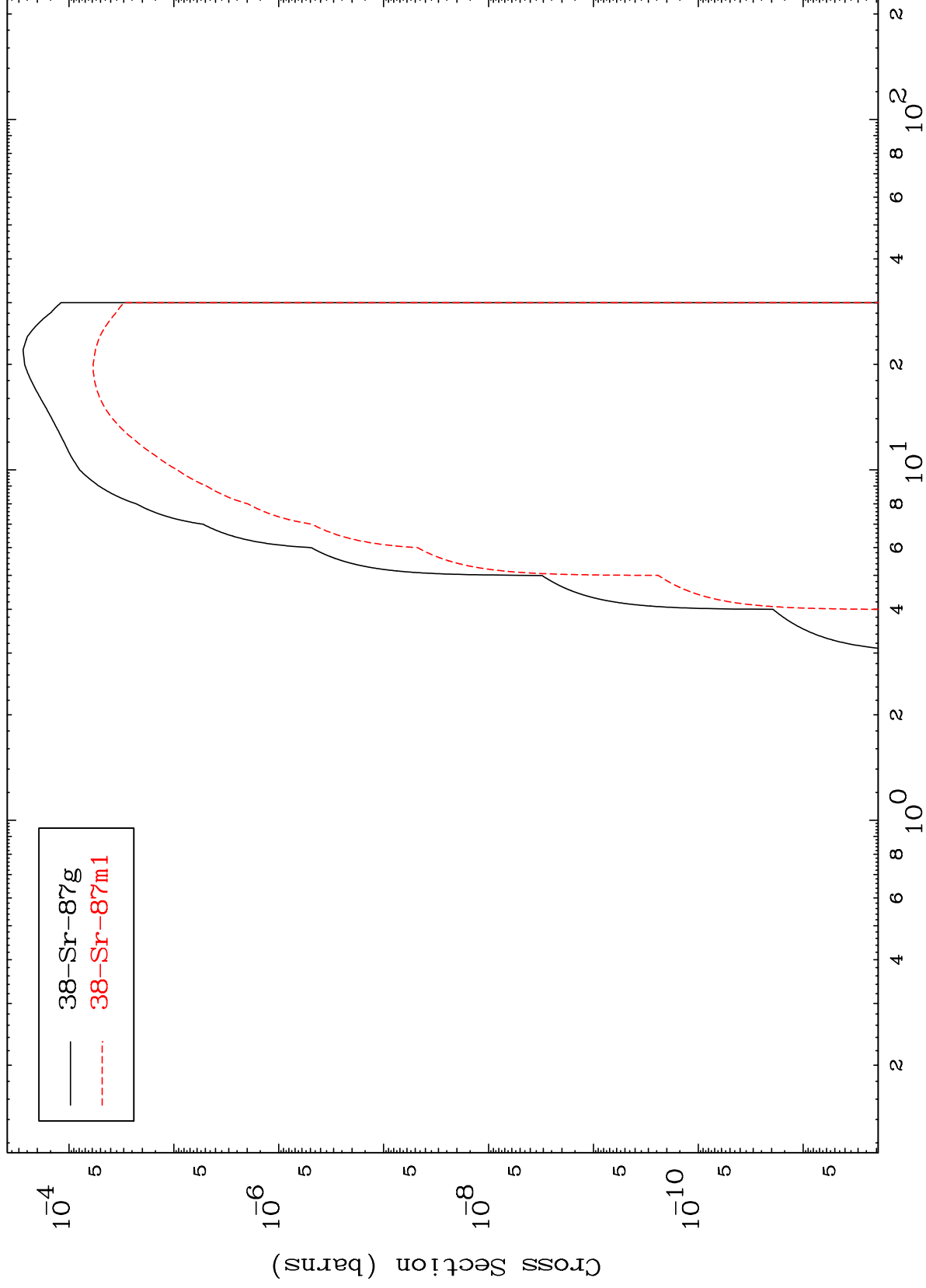
Incident Energy (MeV)

40-Zr-89m

MAT 4023

40-Zr-89m

(n,p) α
Radionuclide Production Cross Section



29

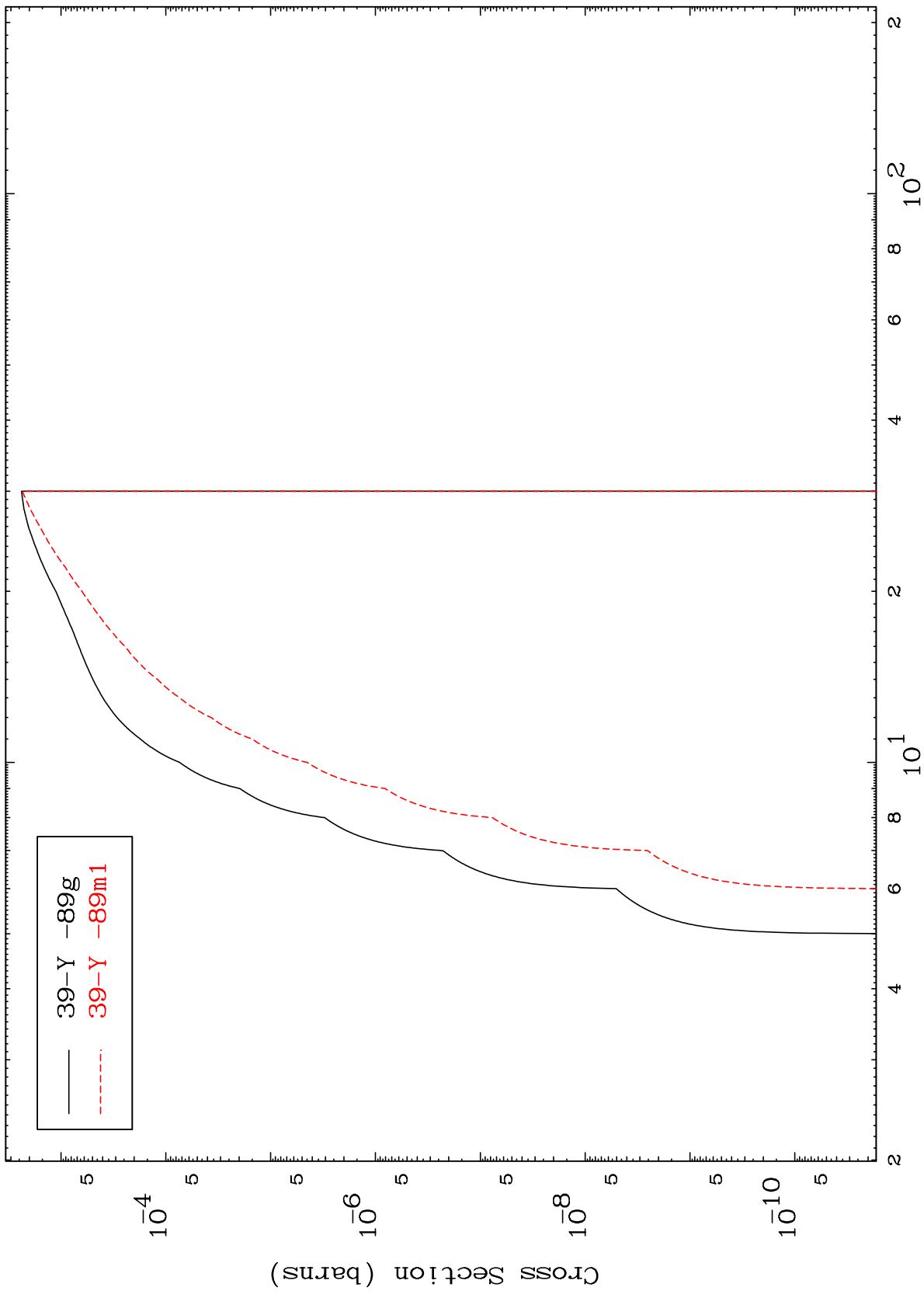
Incident Energy (MeV)

40-Zr-89m

MAT 4023

40-Zr-89m

(n,p) d
Radionuclide Production Cross Section



40-Zr-89m

Incident Energy (MeV)

30