

Program EVALPLOT
(Version 2021-1)

by

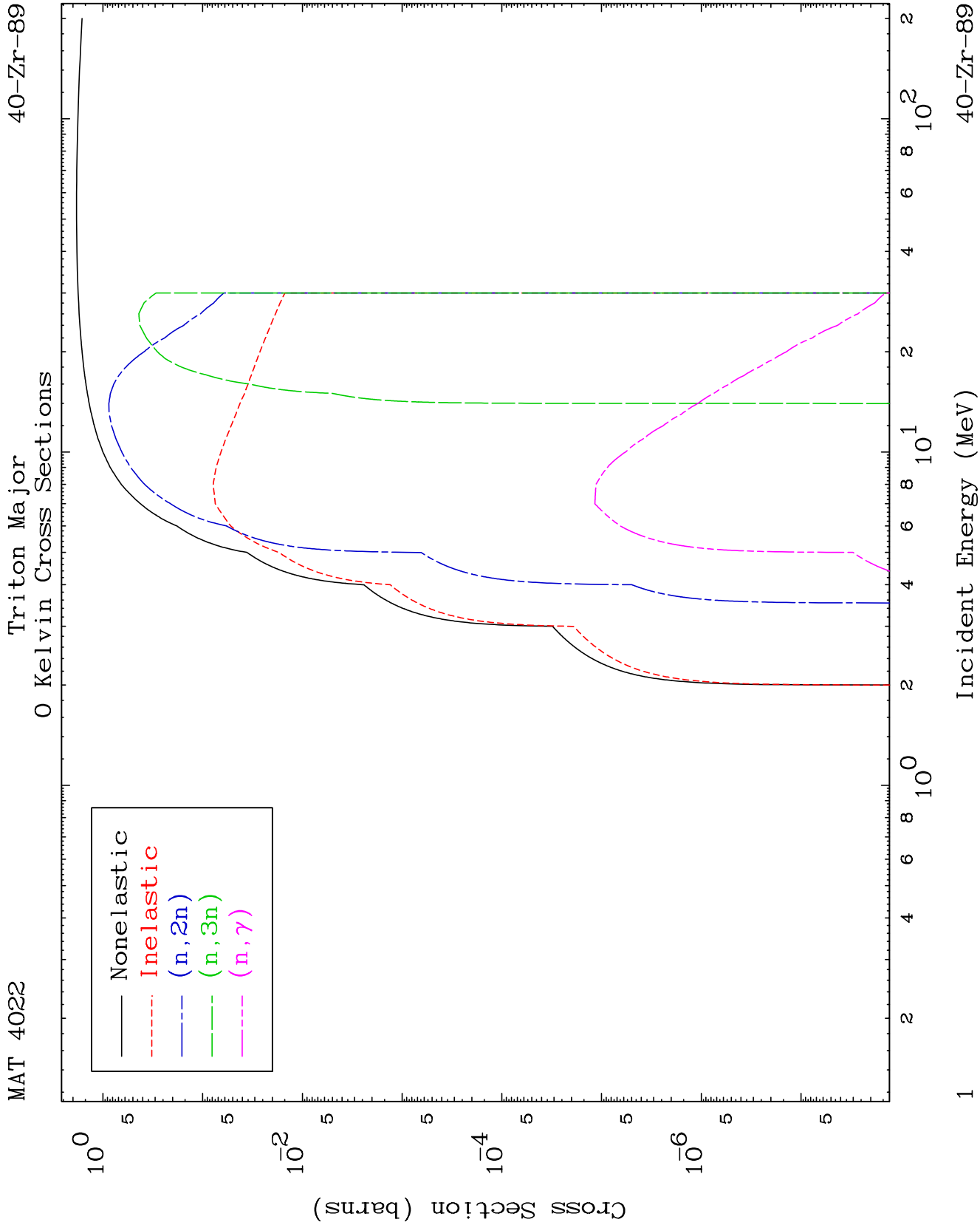
Dermott E. Cullen
(Present Contact Information)

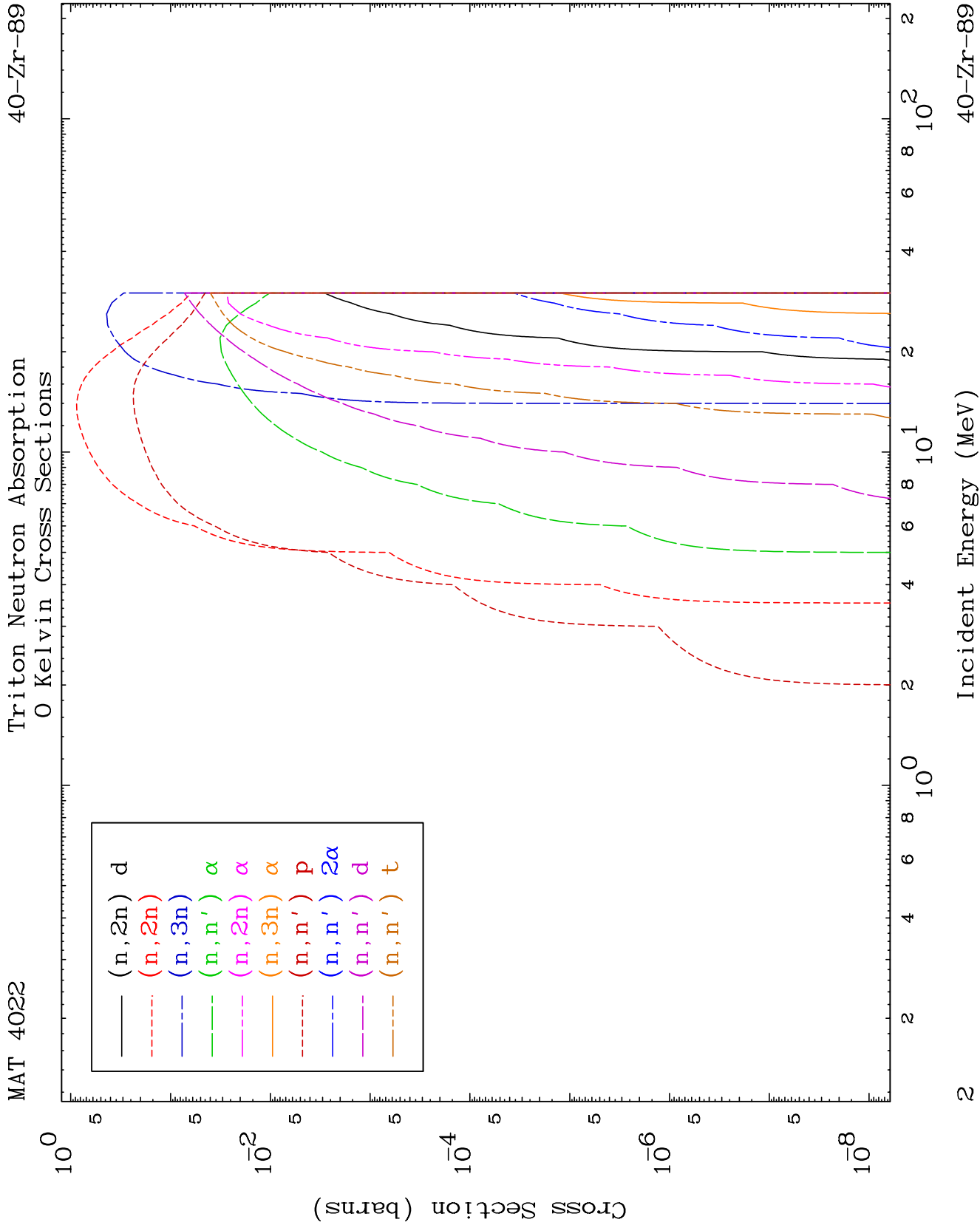
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

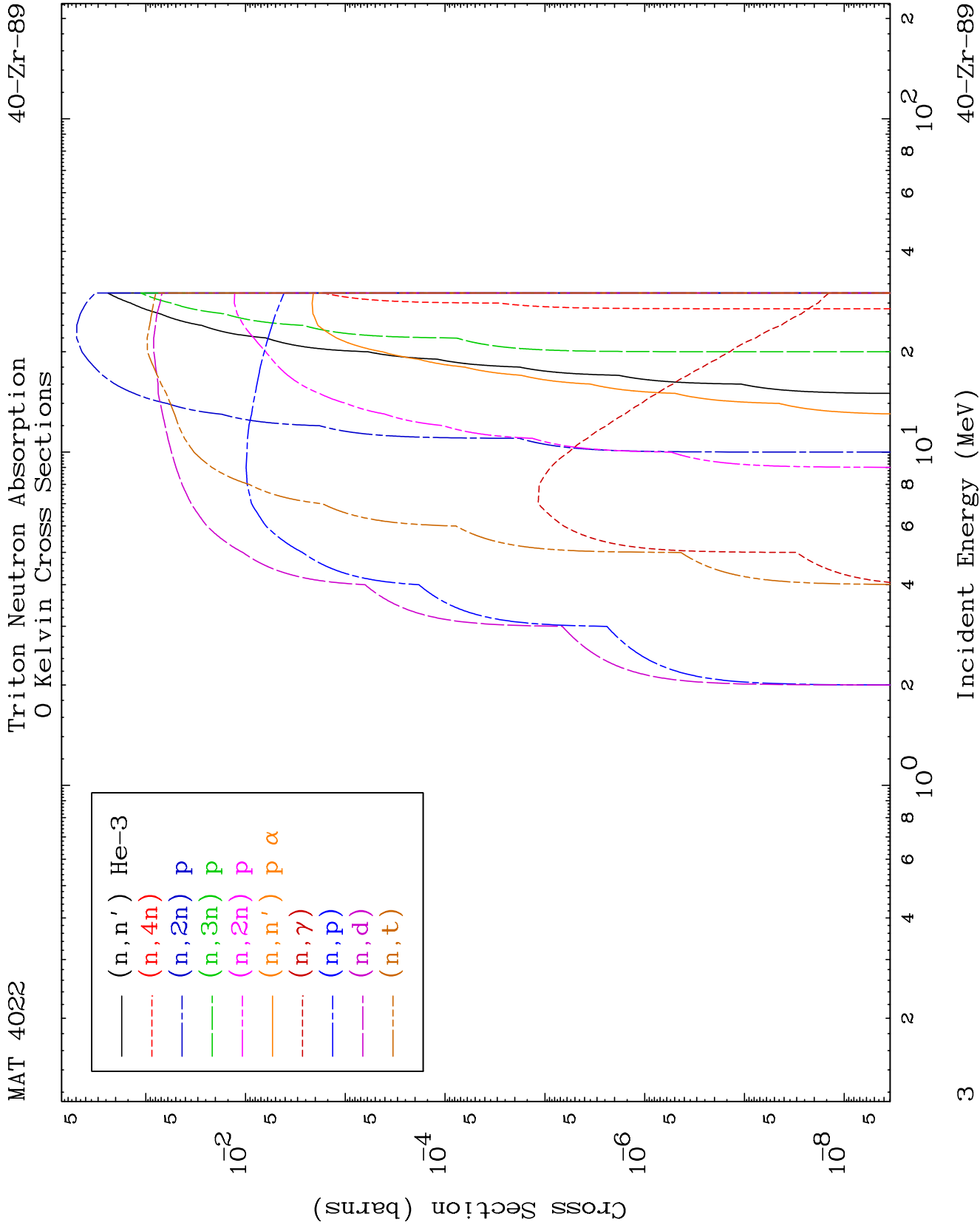
Tele: 925-443-1911

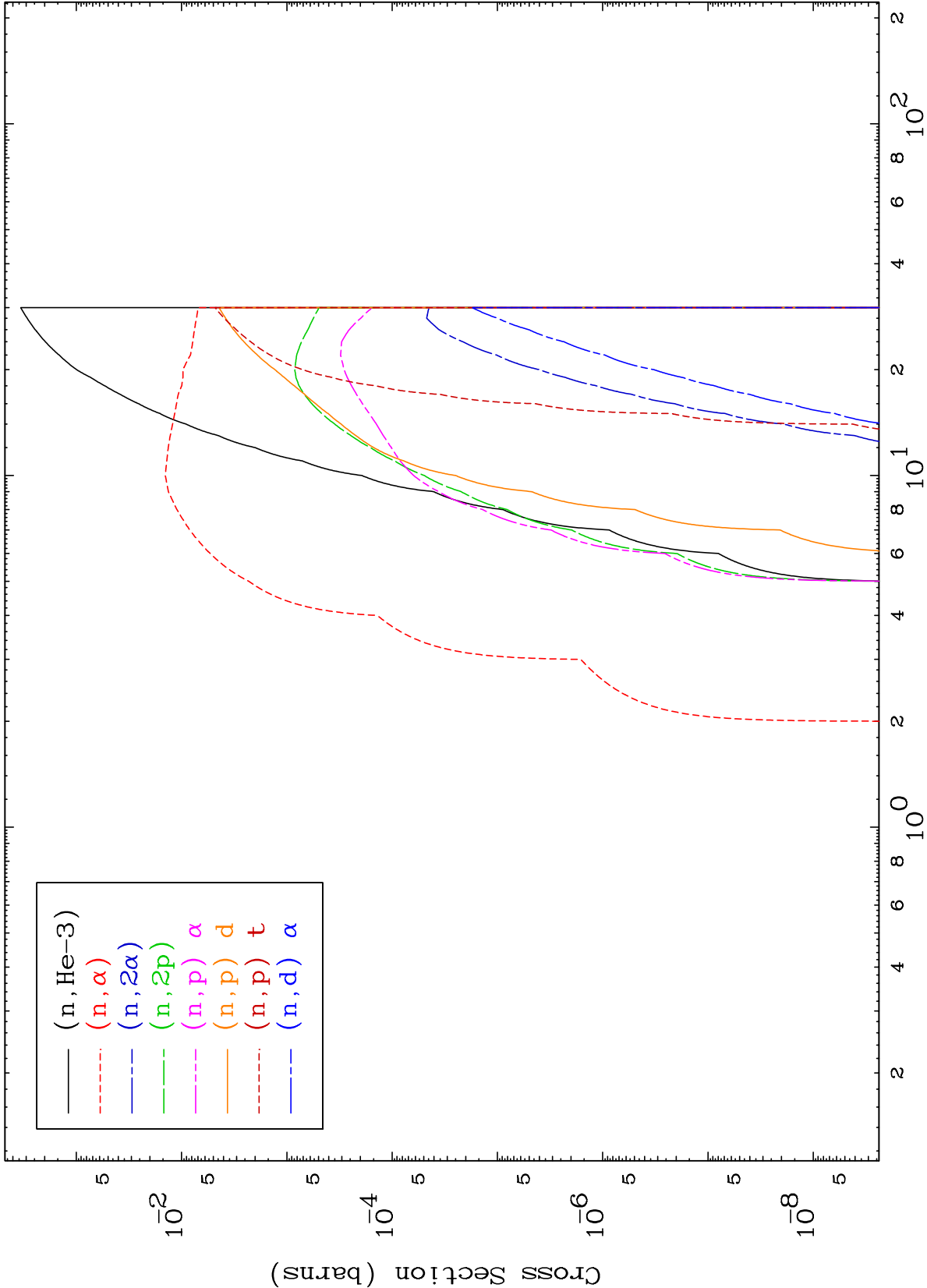
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

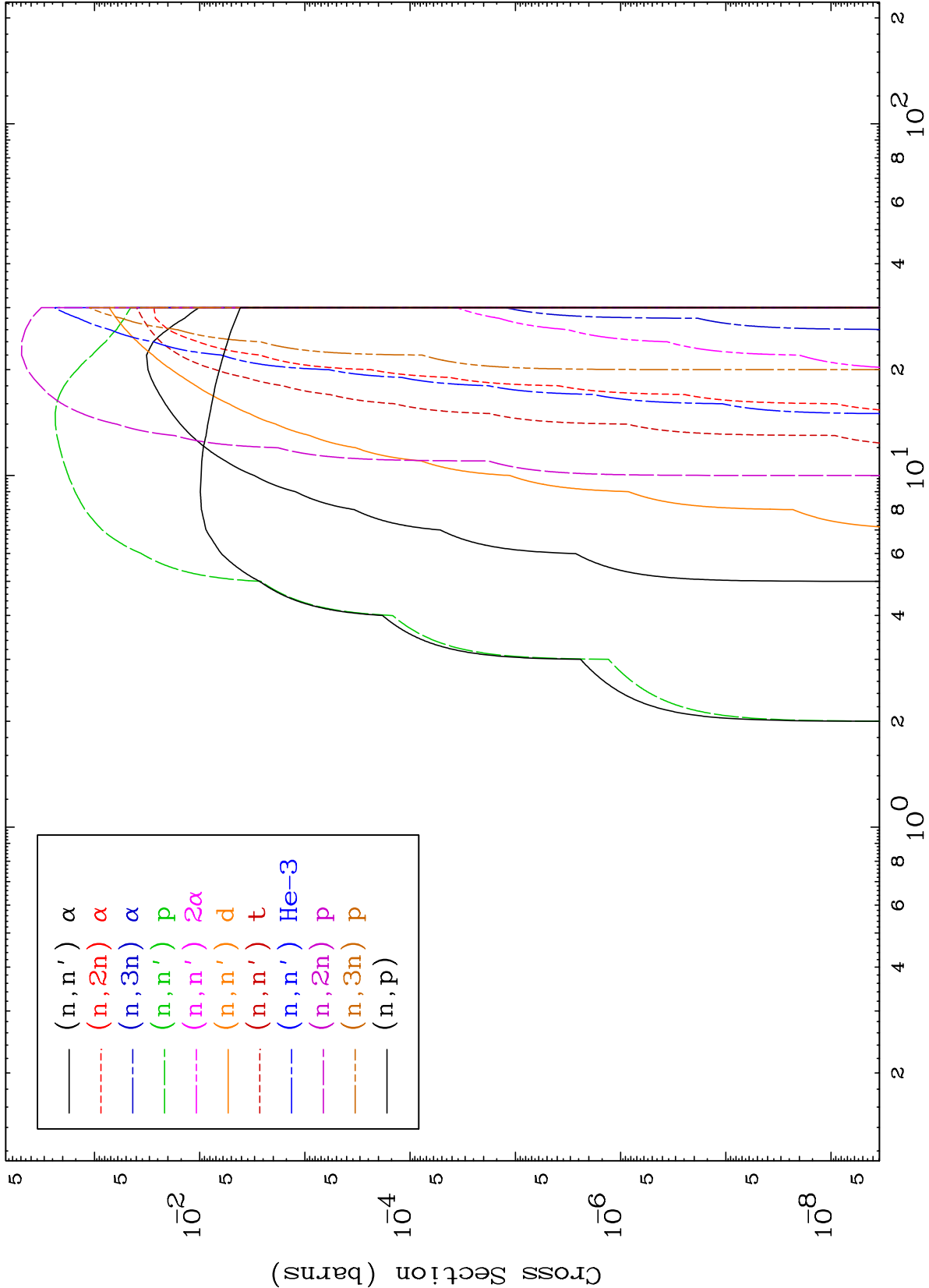
Press Mouse Button to Start

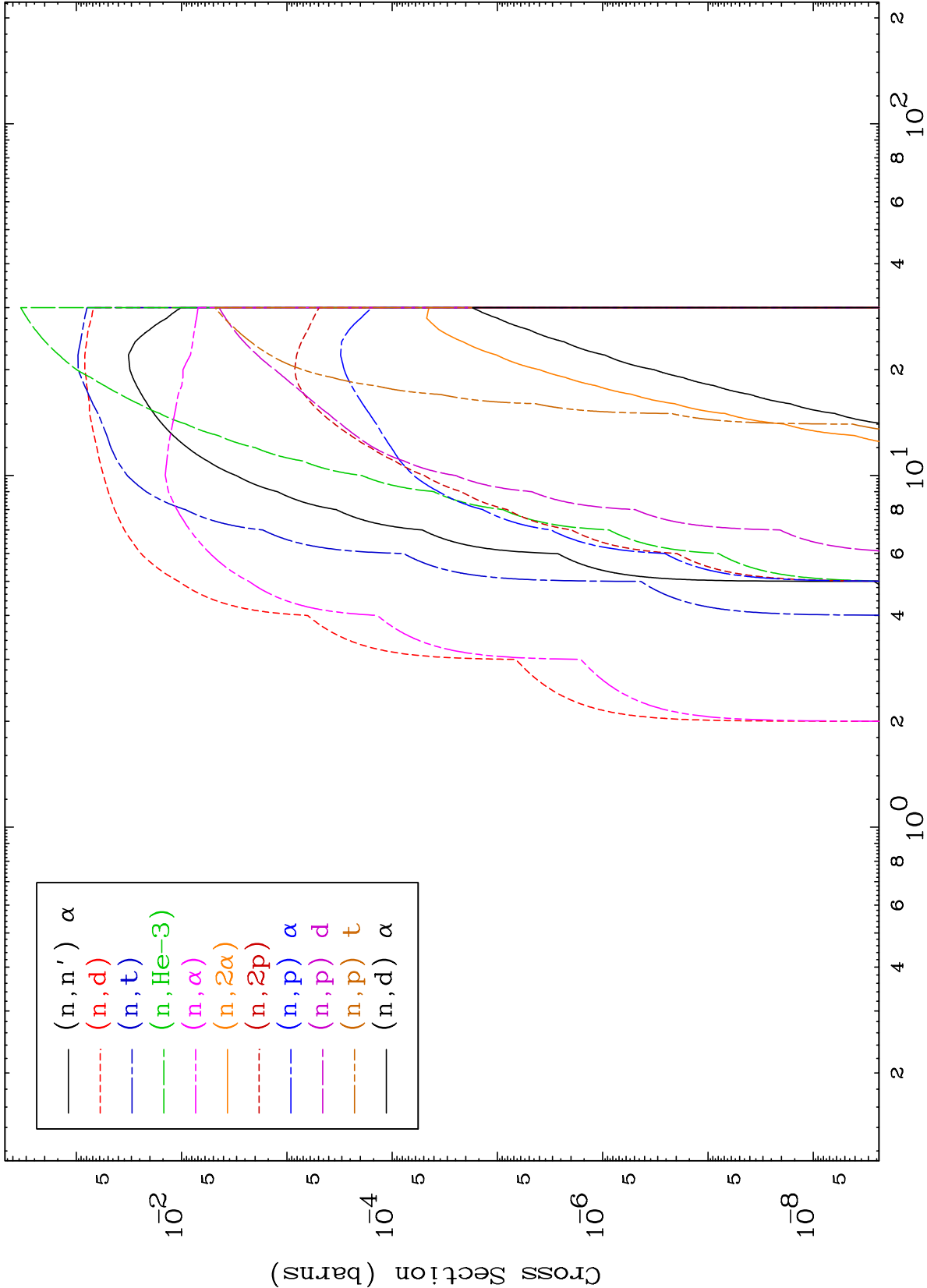


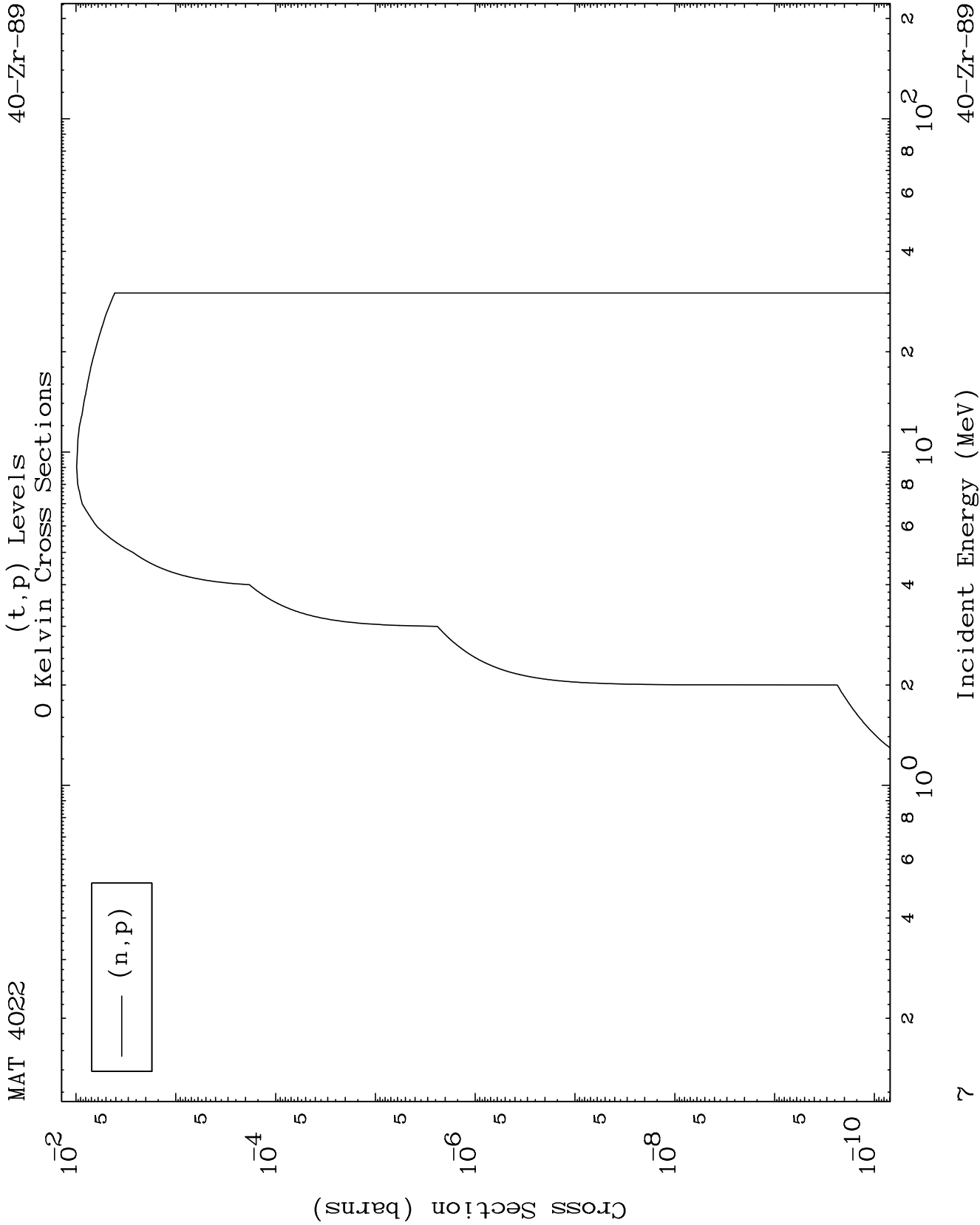








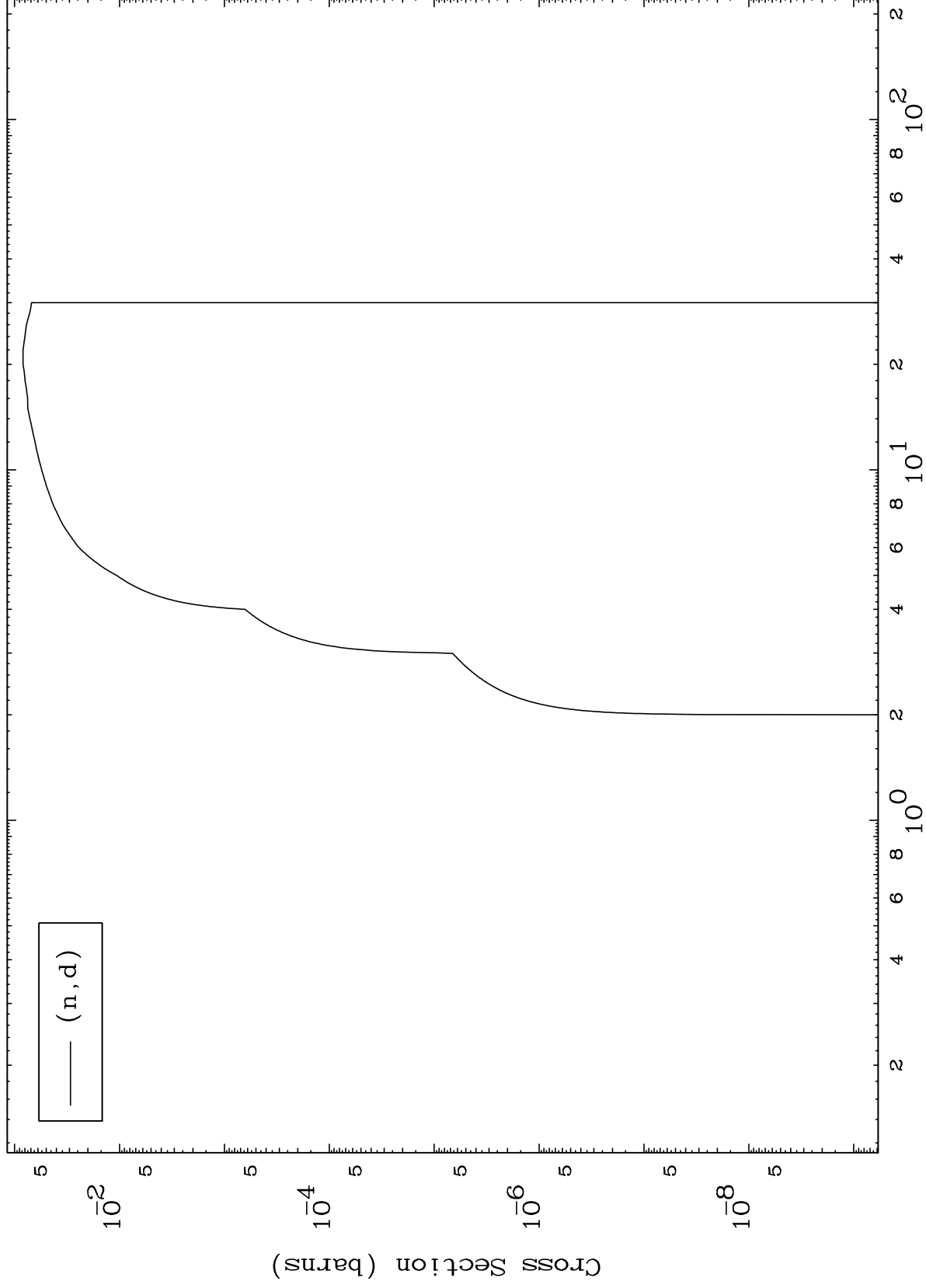




MAT 4022

40-Zr-89

(t,d) Levels
0 Kelvin Cross Sections



8

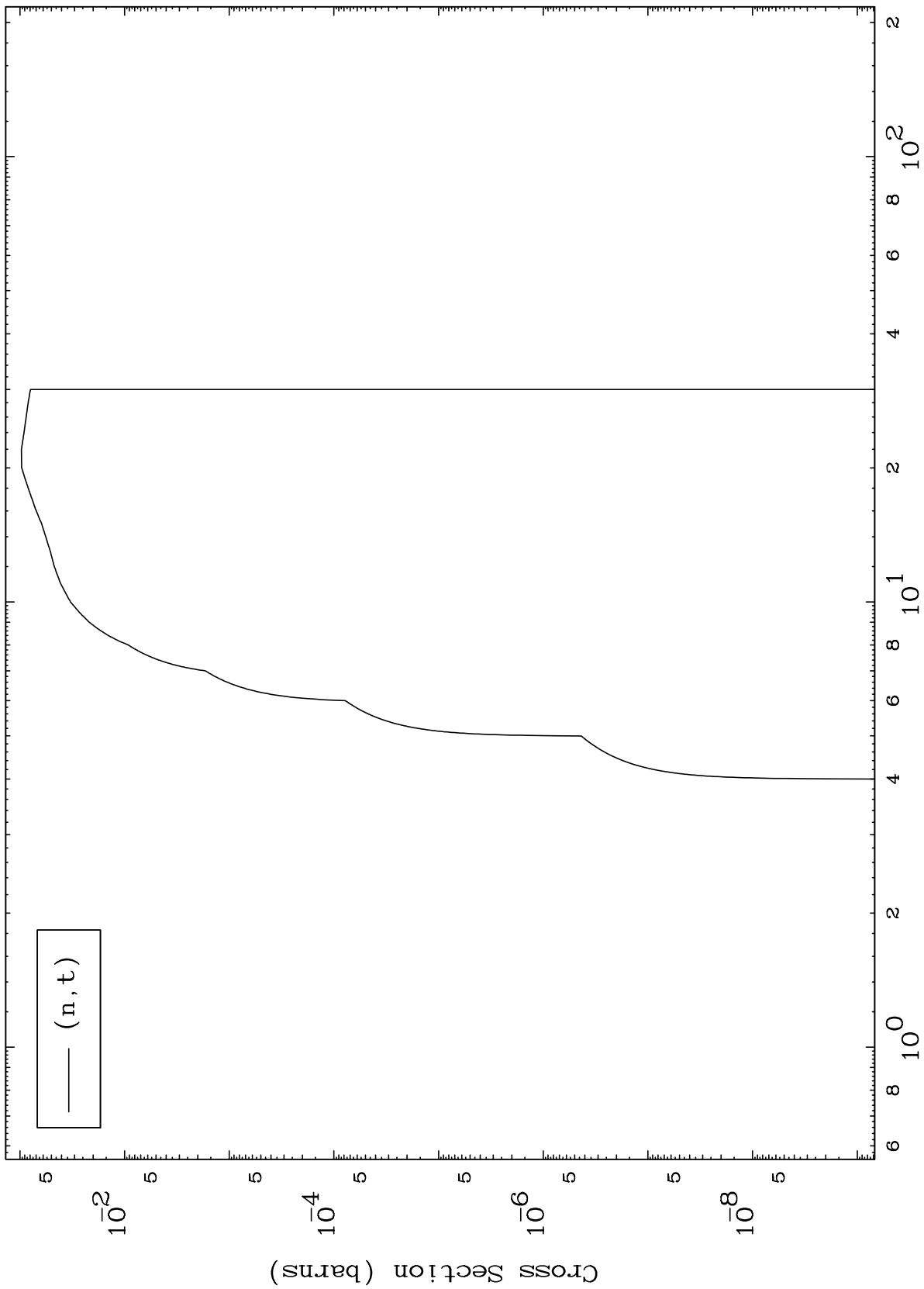
Incident Energy (MeV)

40-Zr-89

MAT 4022

40-Zr-89

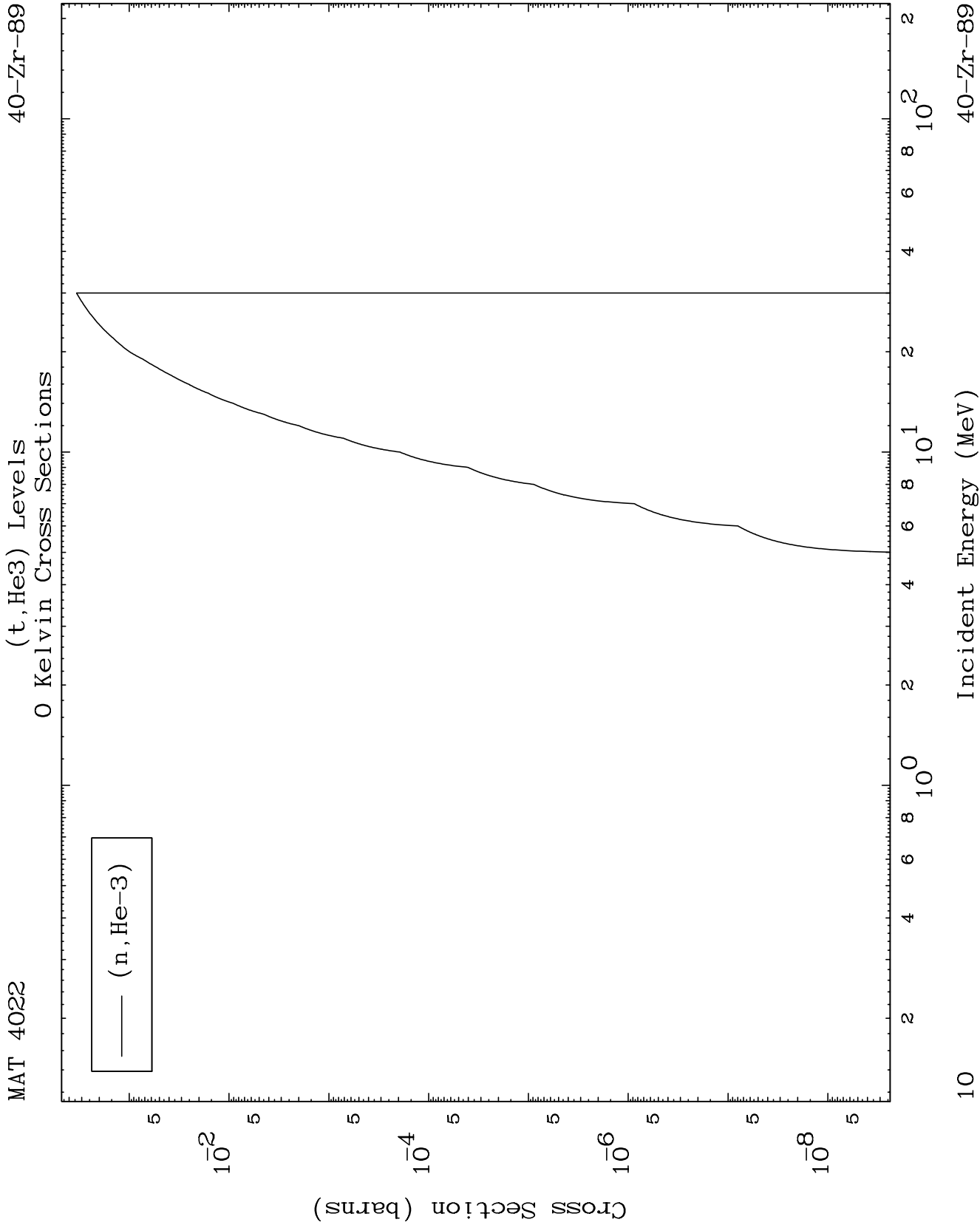
(t,t) Levels
0 Kelvin Cross Sections



40-Zr-89

Incident Energy (MeV)

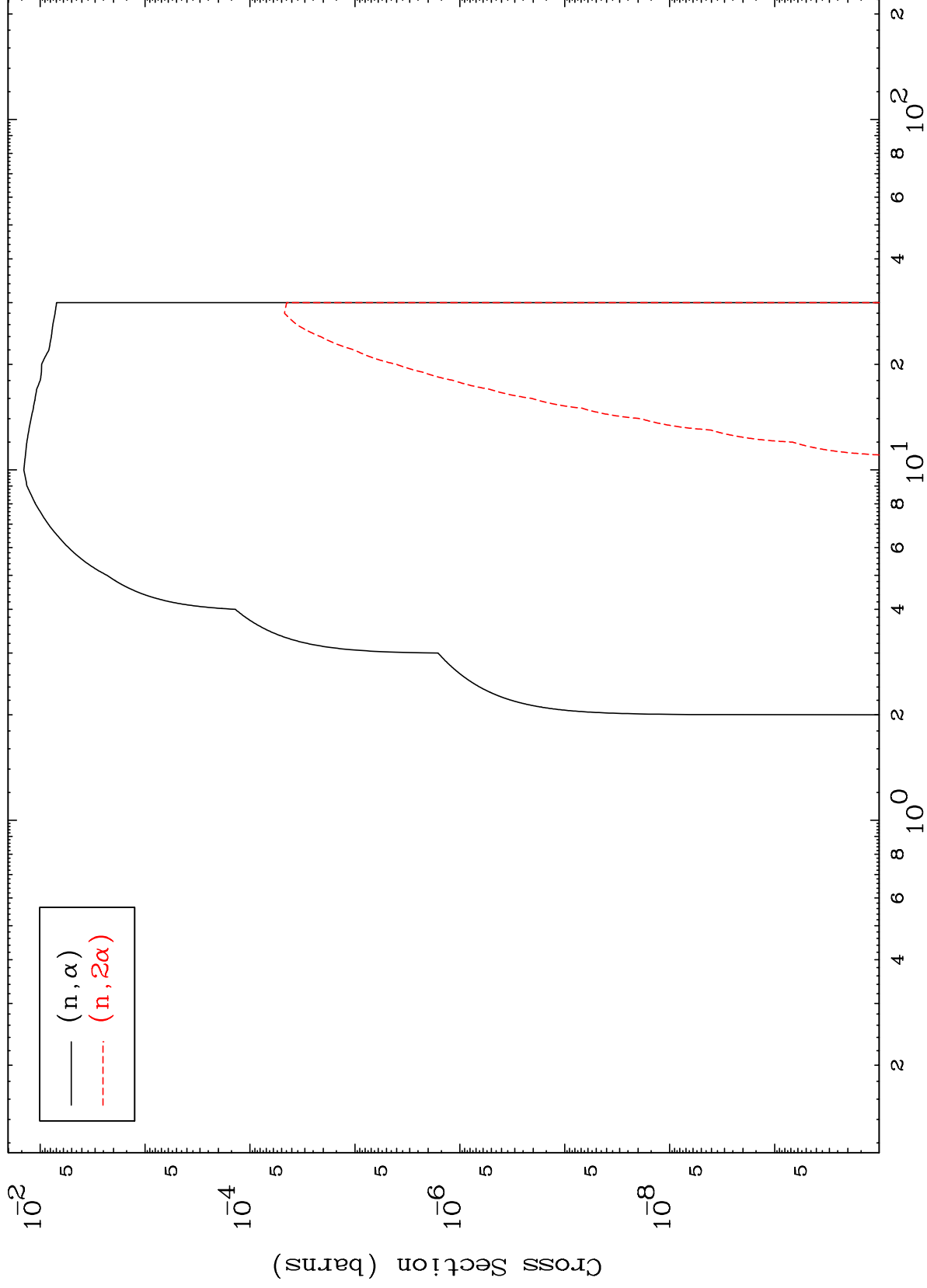
9



MAT 4022

40-Zr-89

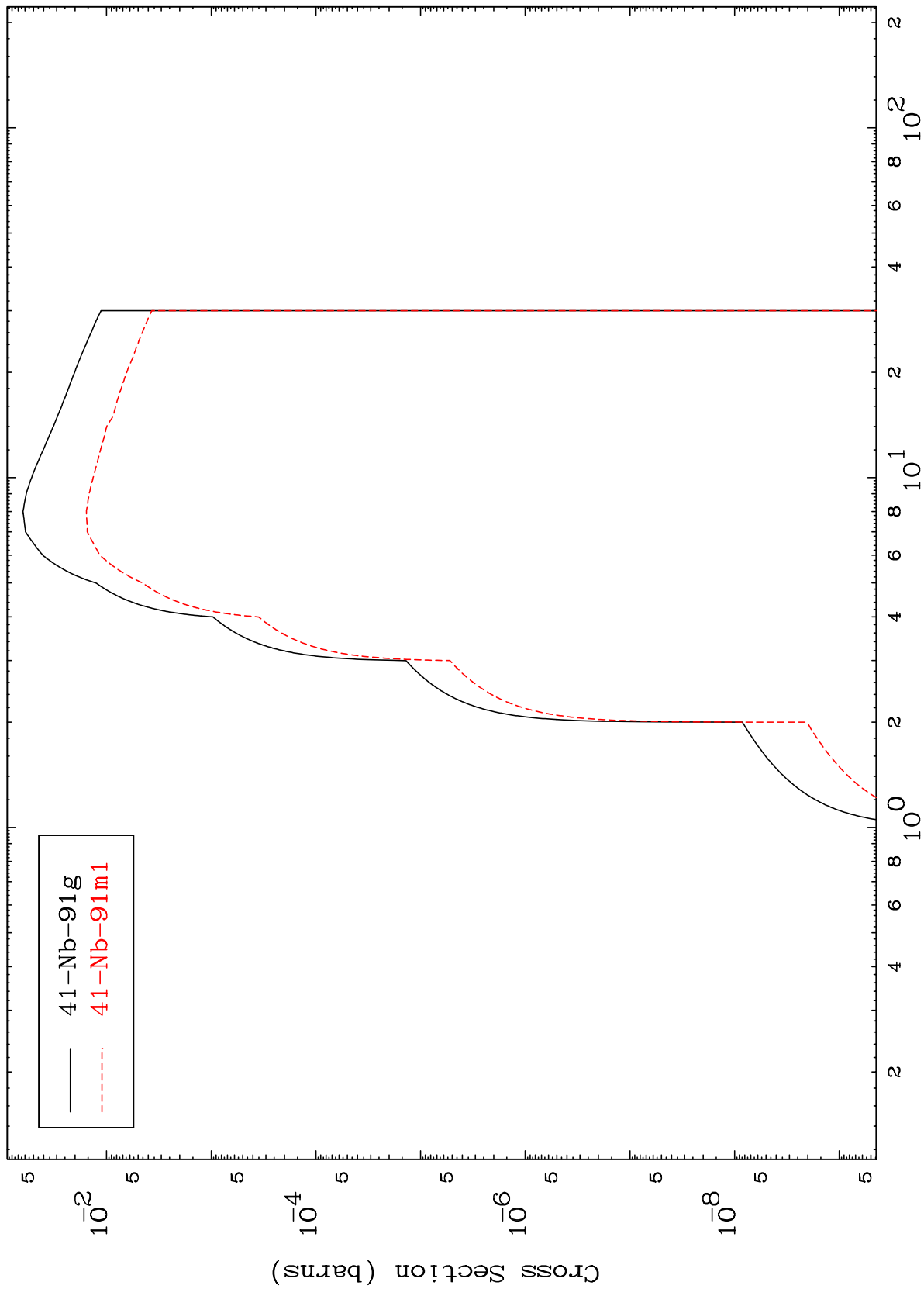
(t, α) Levels
0 Kelvin Cross Sections



MAT 4022

40-Zr-89

Inelastic
Radionuclide Production Cross Section



12

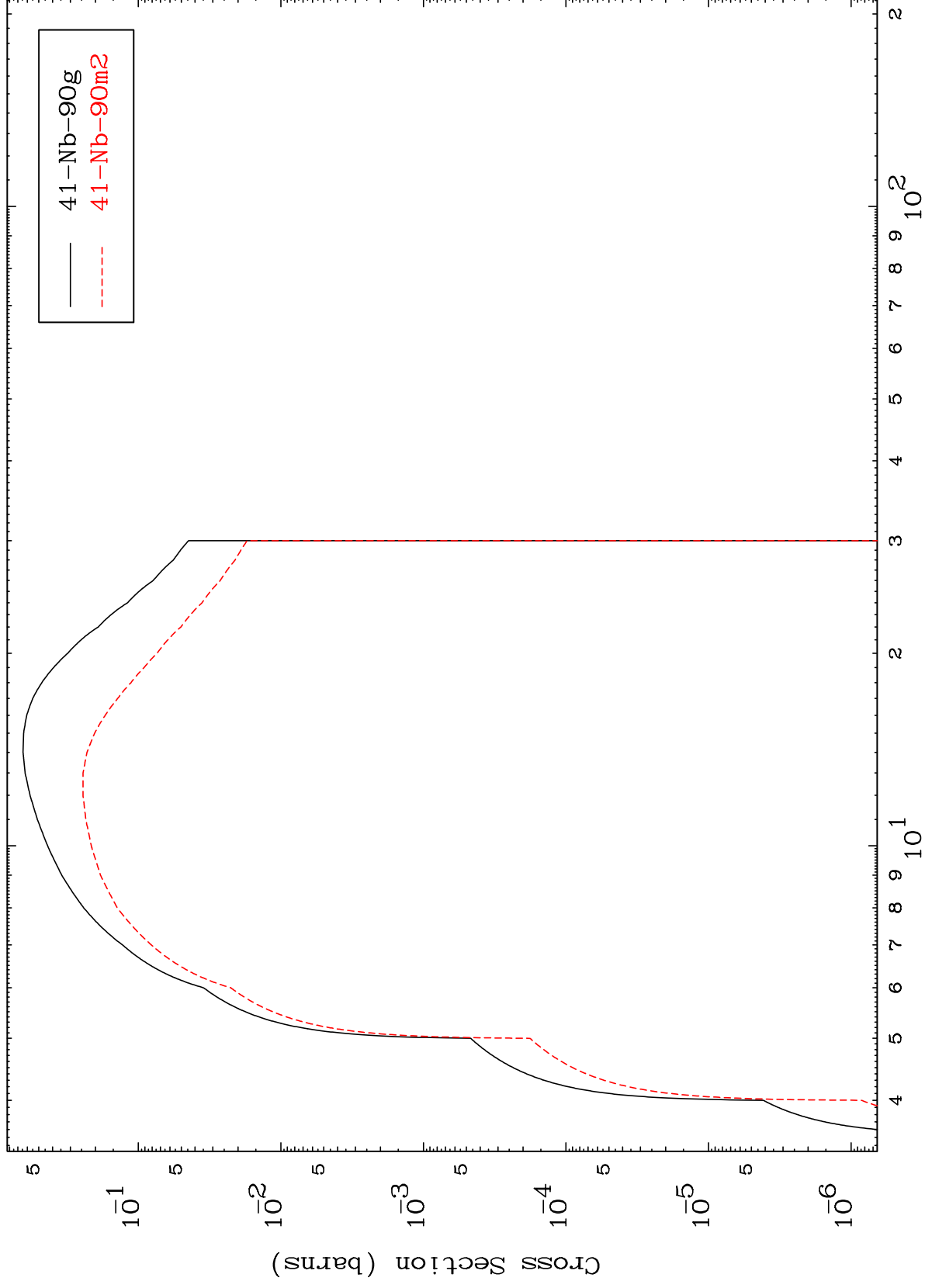
Incident Energy (MeV)

40-Zr-89

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40-Zr-89

Radionuclide Production Cross Section
(n,2n)



13

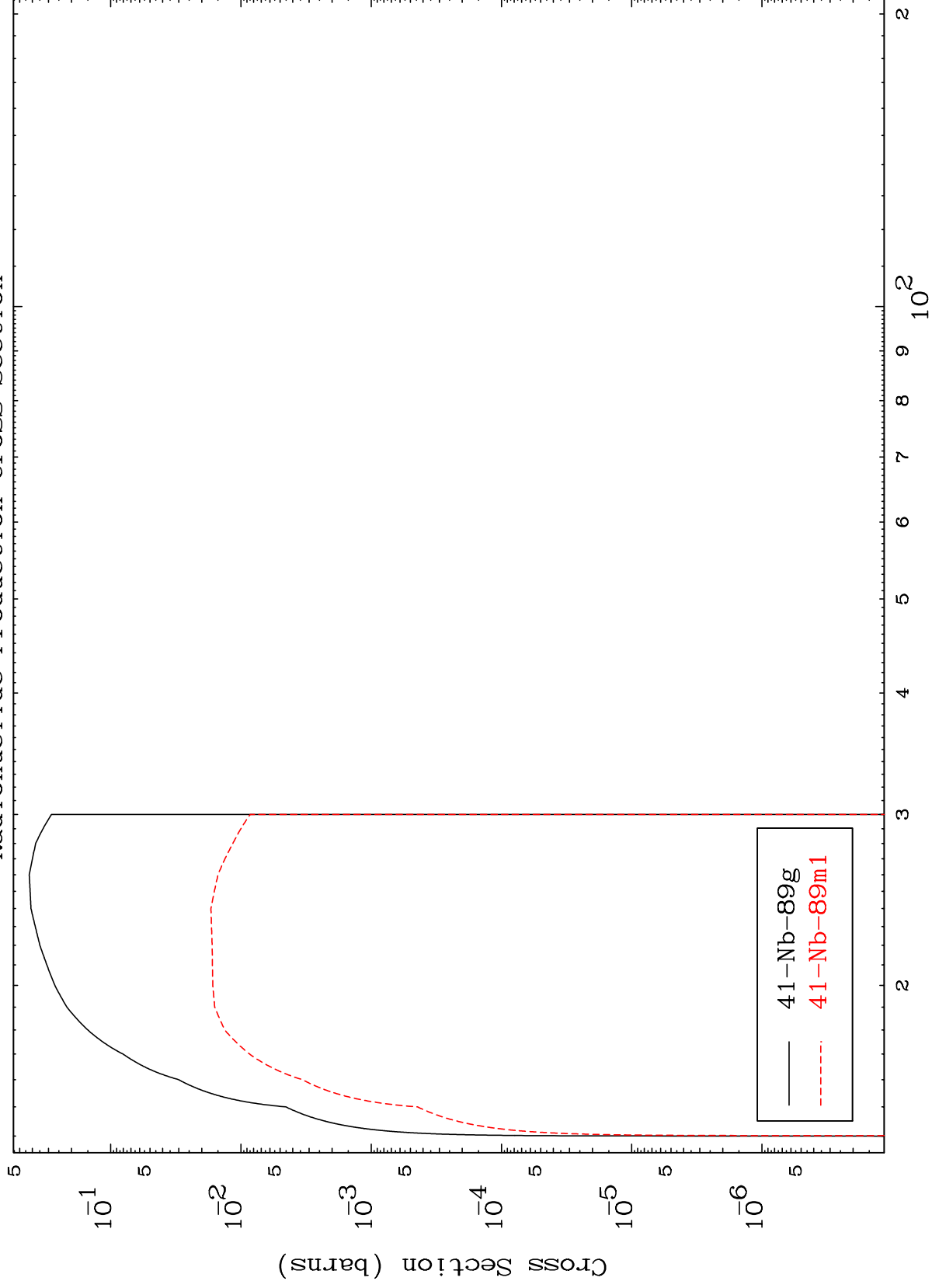
Incident Energy (MeV)

40-Zr-89

MAT 4022

40-Zr-89

(n,3n)
Radionuclide Production Cross Section



40-Zr-89

Incident Energy (MeV)

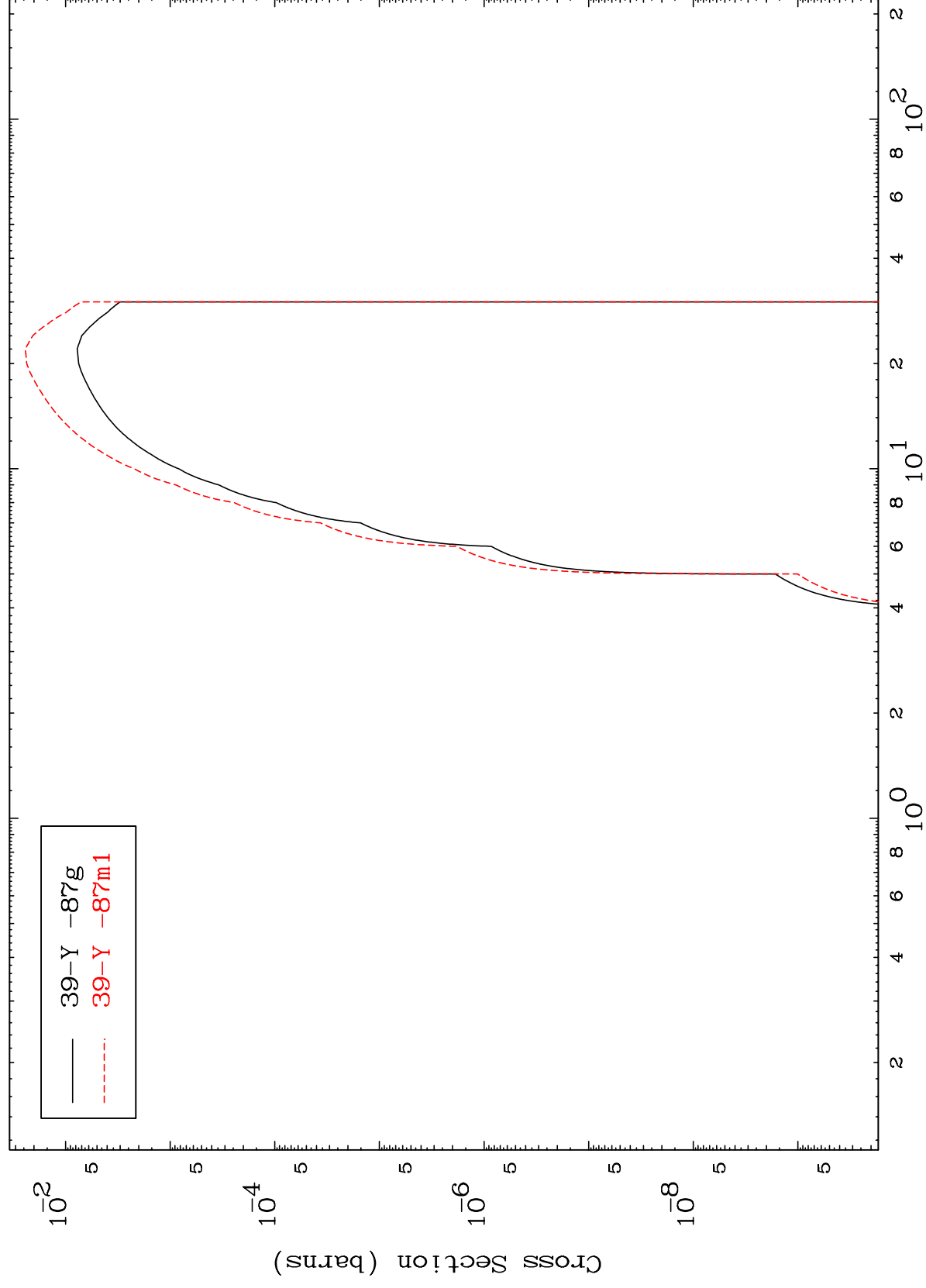
14

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$$(n, n') \propto$$

40-Zr-89

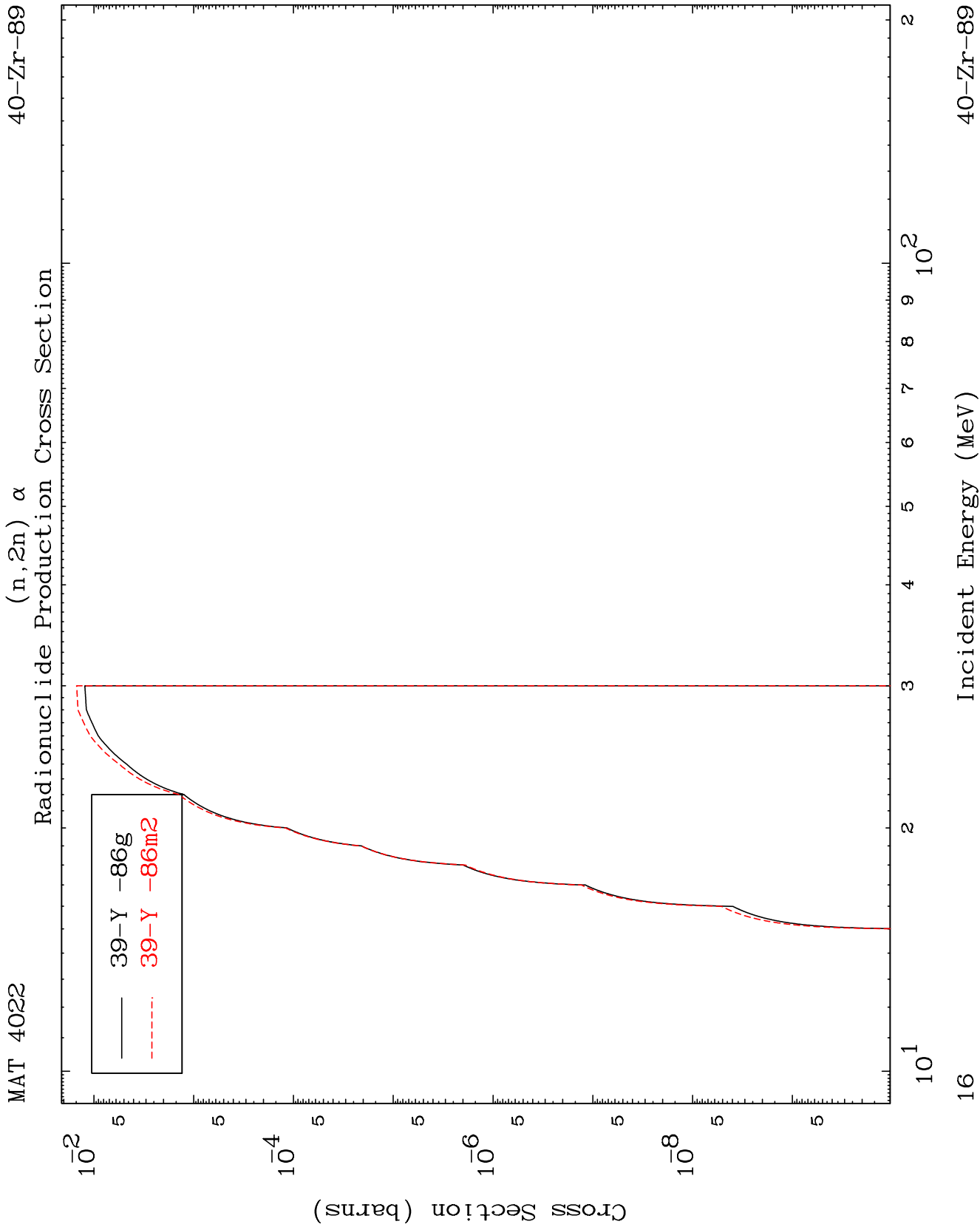
Radionuclide Production Cross Section

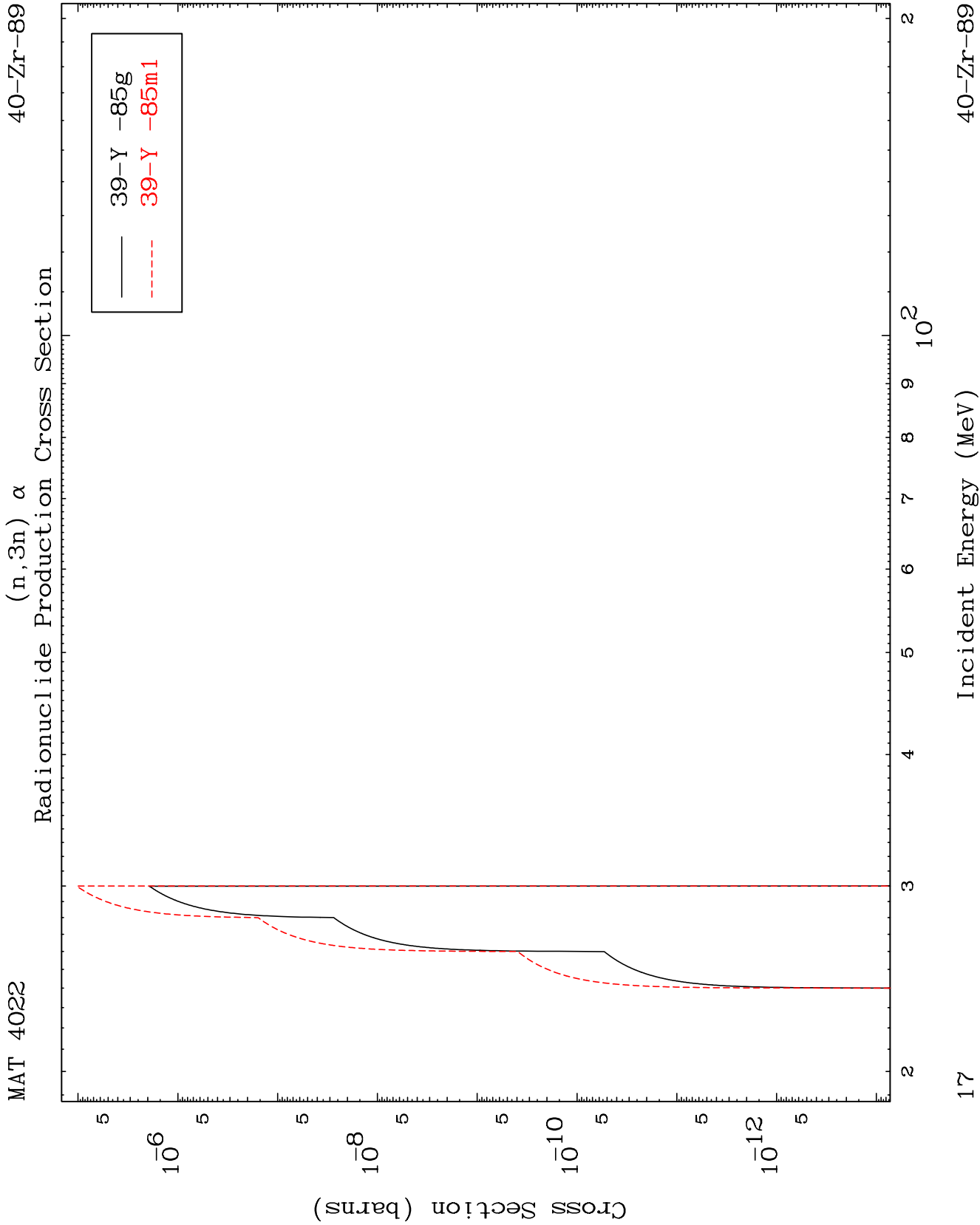


15

Incident Energy (MeV)

40-Zr-89

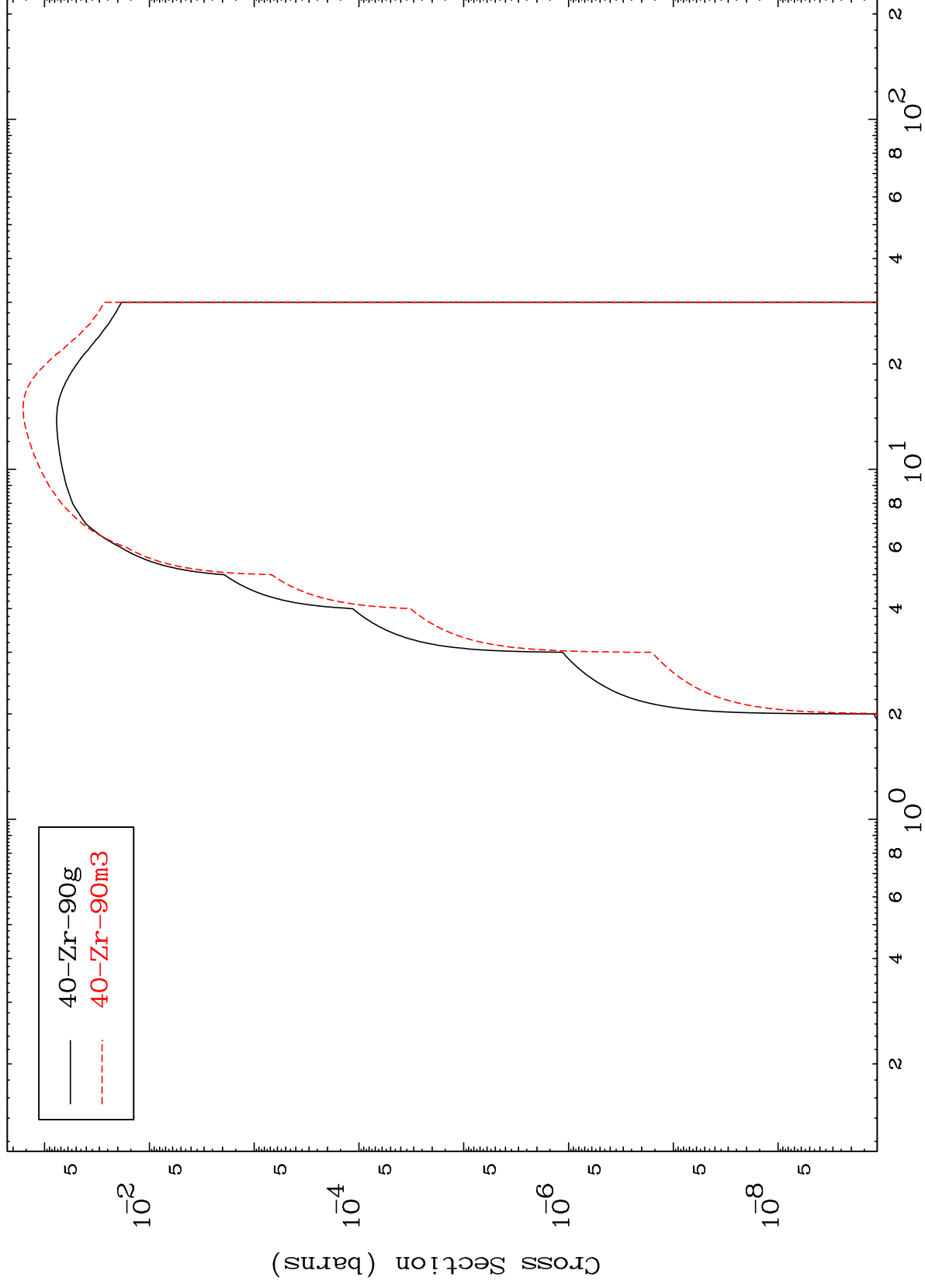




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40-Zr-89

(n,n') p
Radionuclide Production Cross Section



40-Zr-89

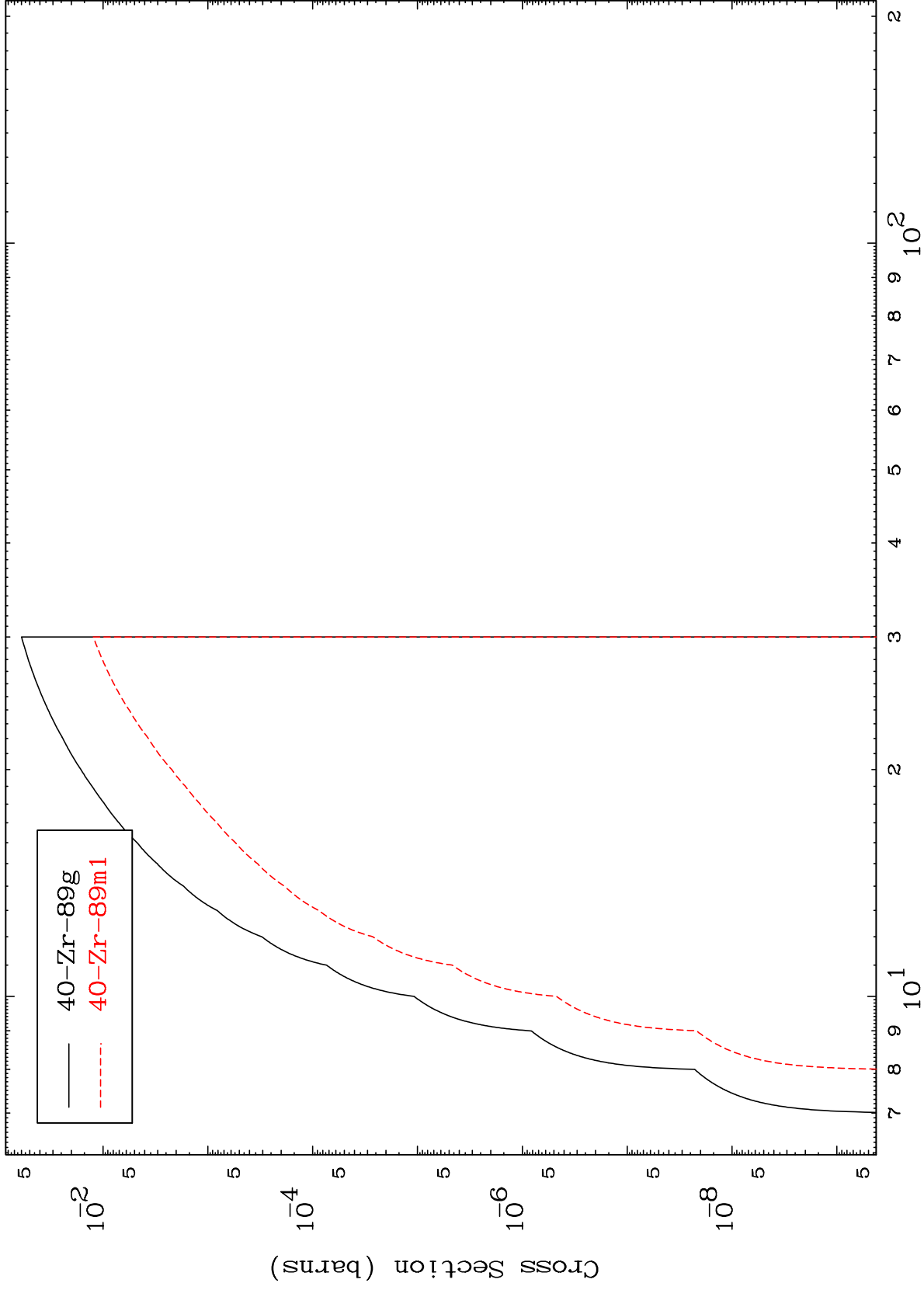
Incident Energy (MeV)

18

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40-Zr-89

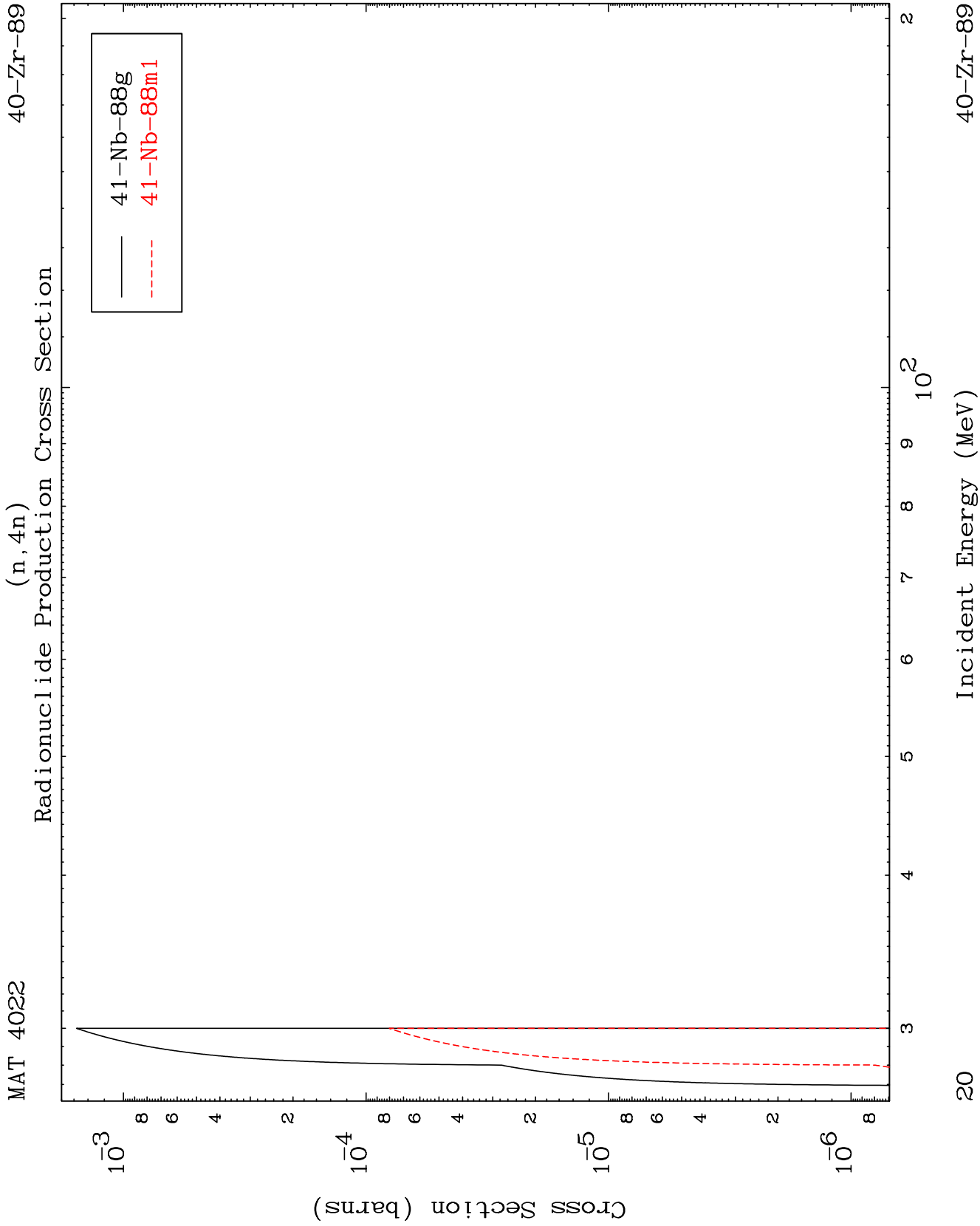
(n,n') d
Radionuclide Production Cross Section

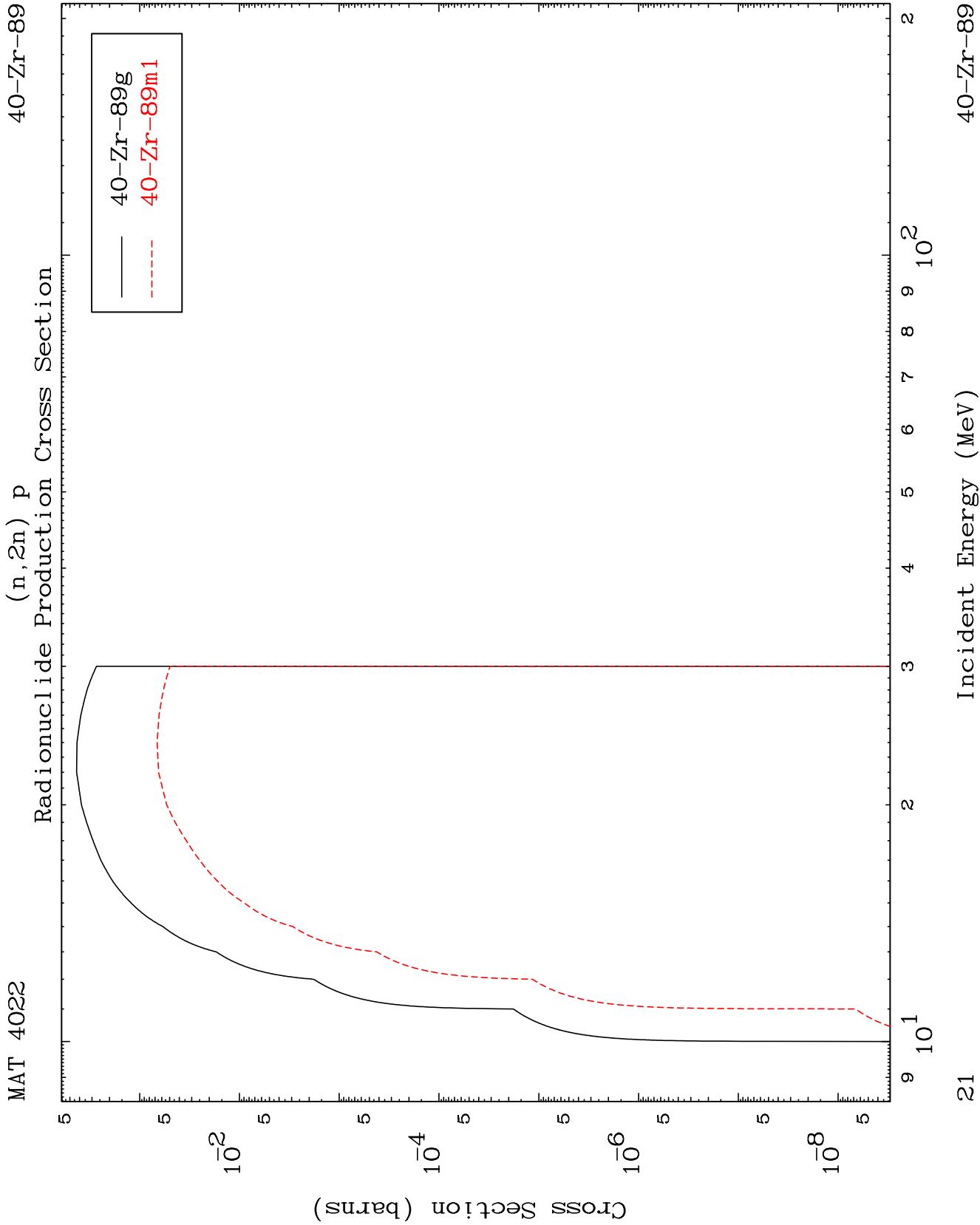


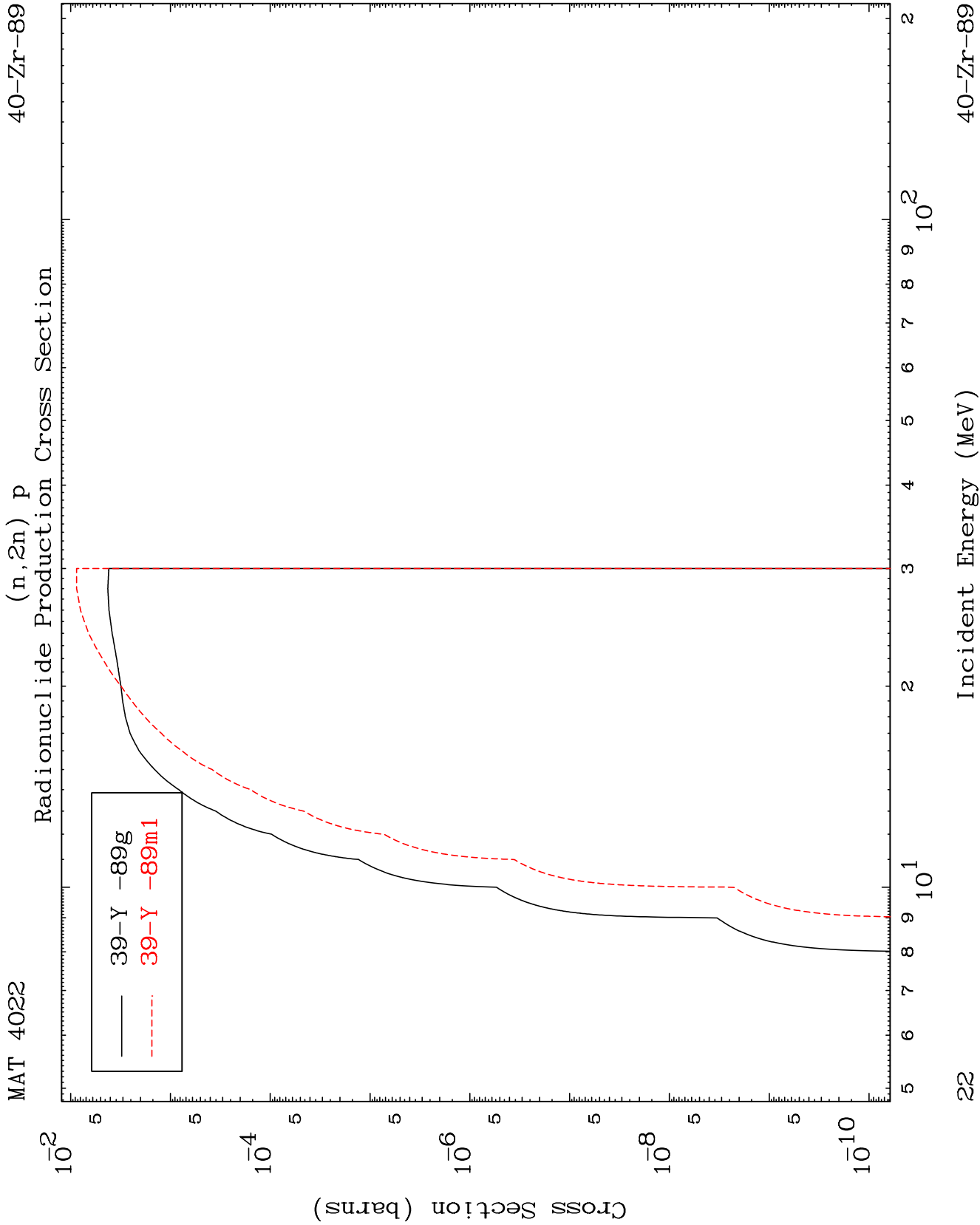
40-Zr-89

Incident Energy (MeV)

19



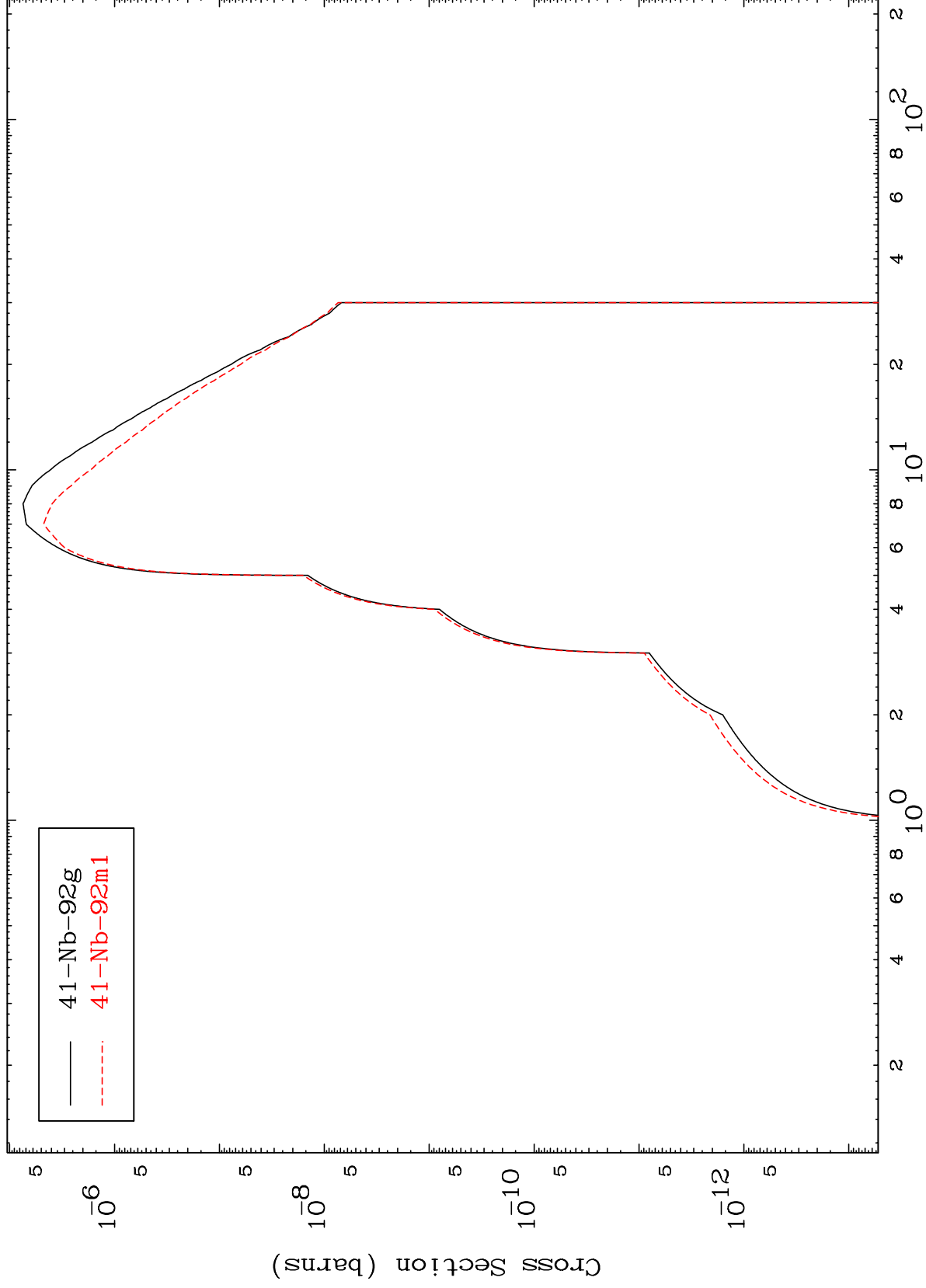




MAT 4022

40-Zr-89

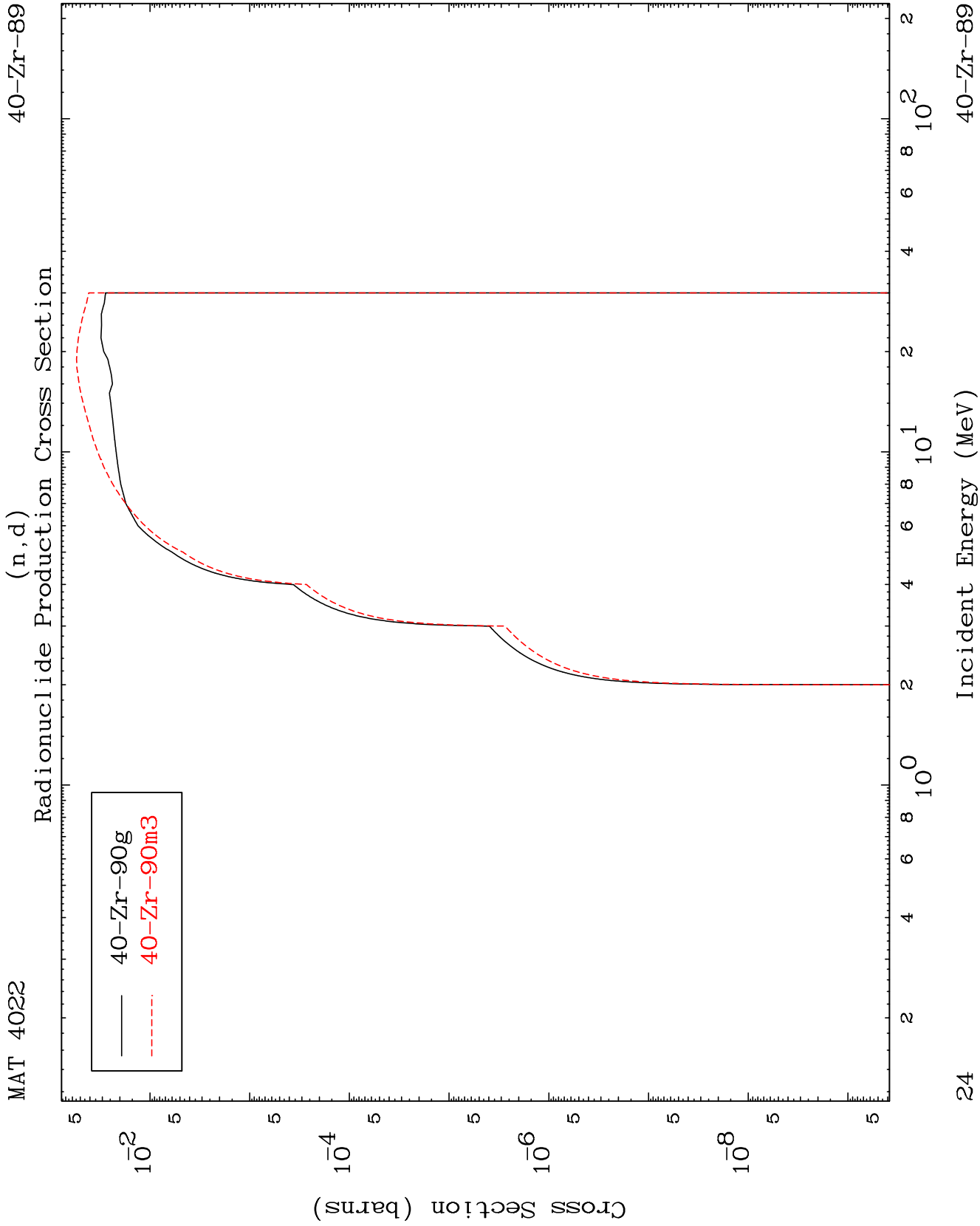
Radionuclide Production Cross Section
(n, γ)

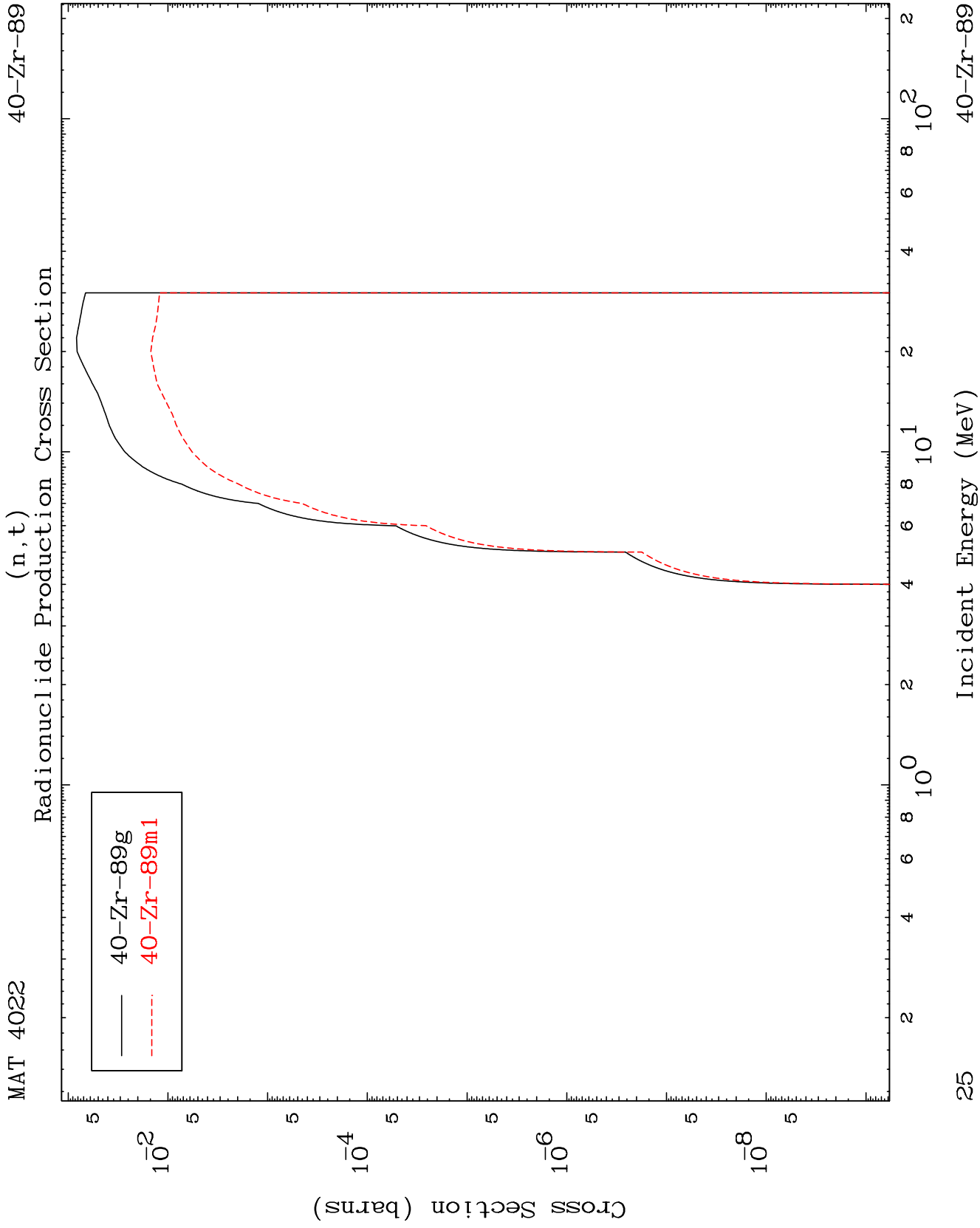


23

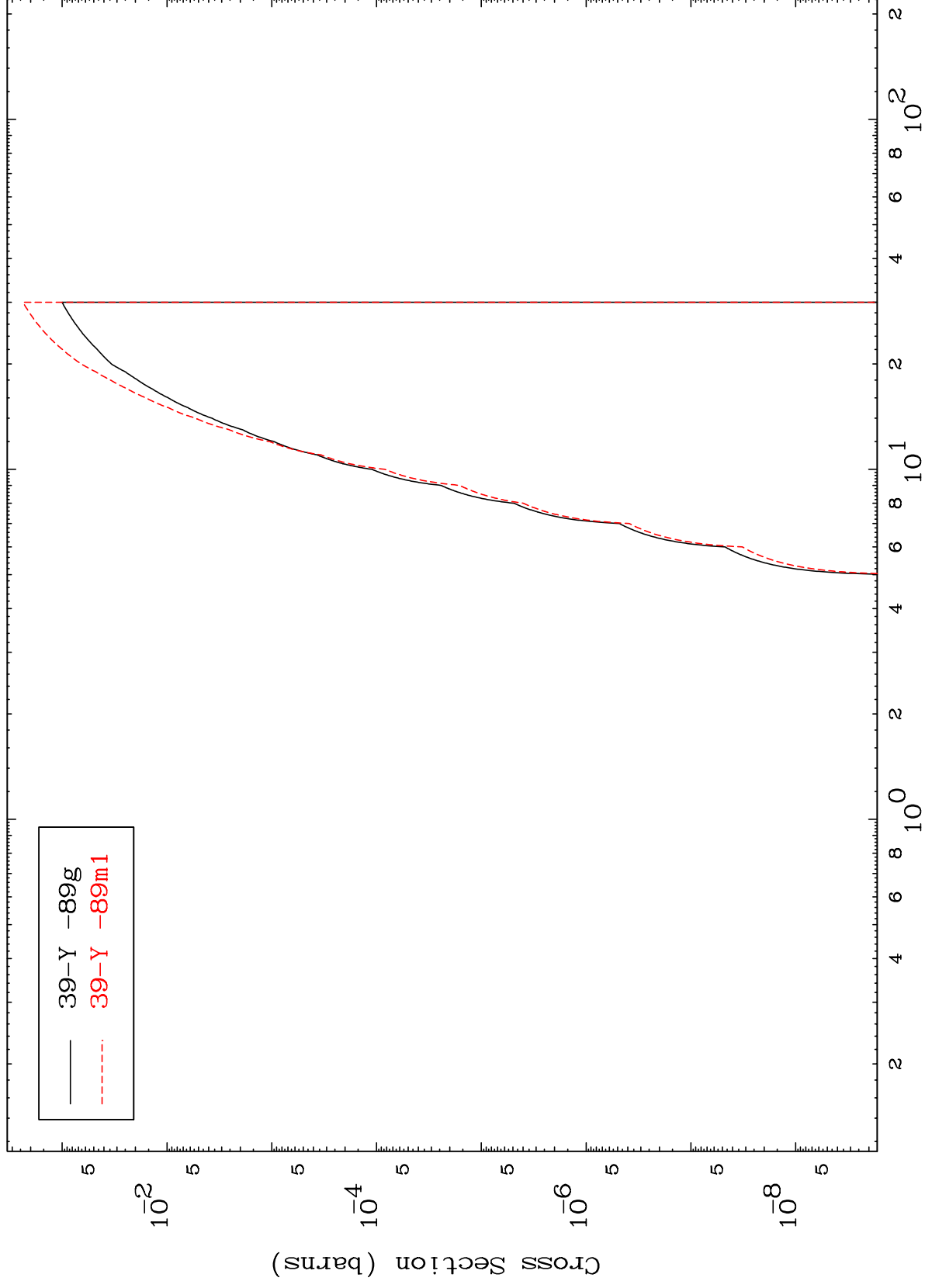
Incident Energy (MeV)

40-Zr-89





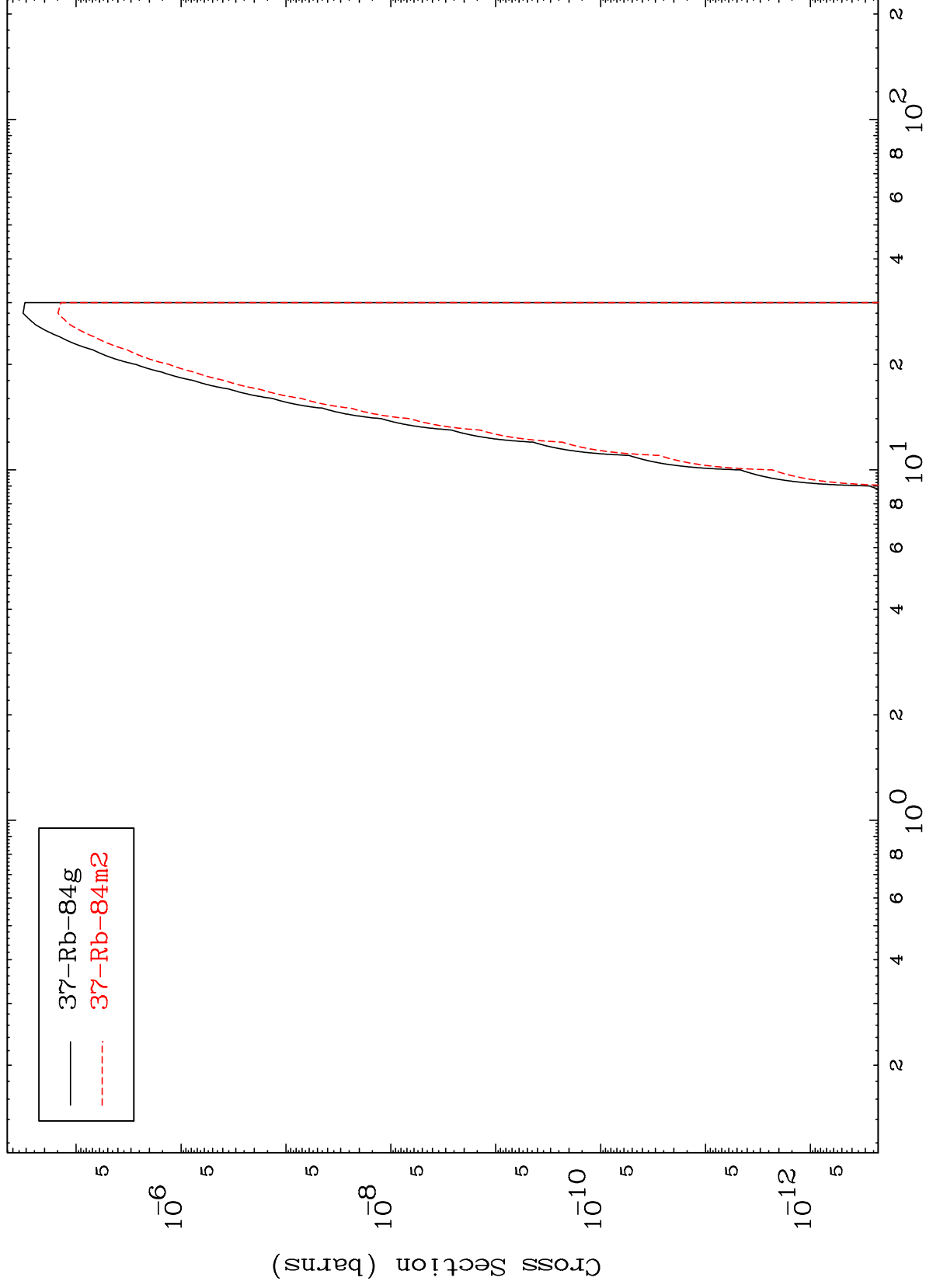
Radionuclide Production Cross Section



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40-Zr-89

Radionuclide Production Cross Section
(n,2 α)



27

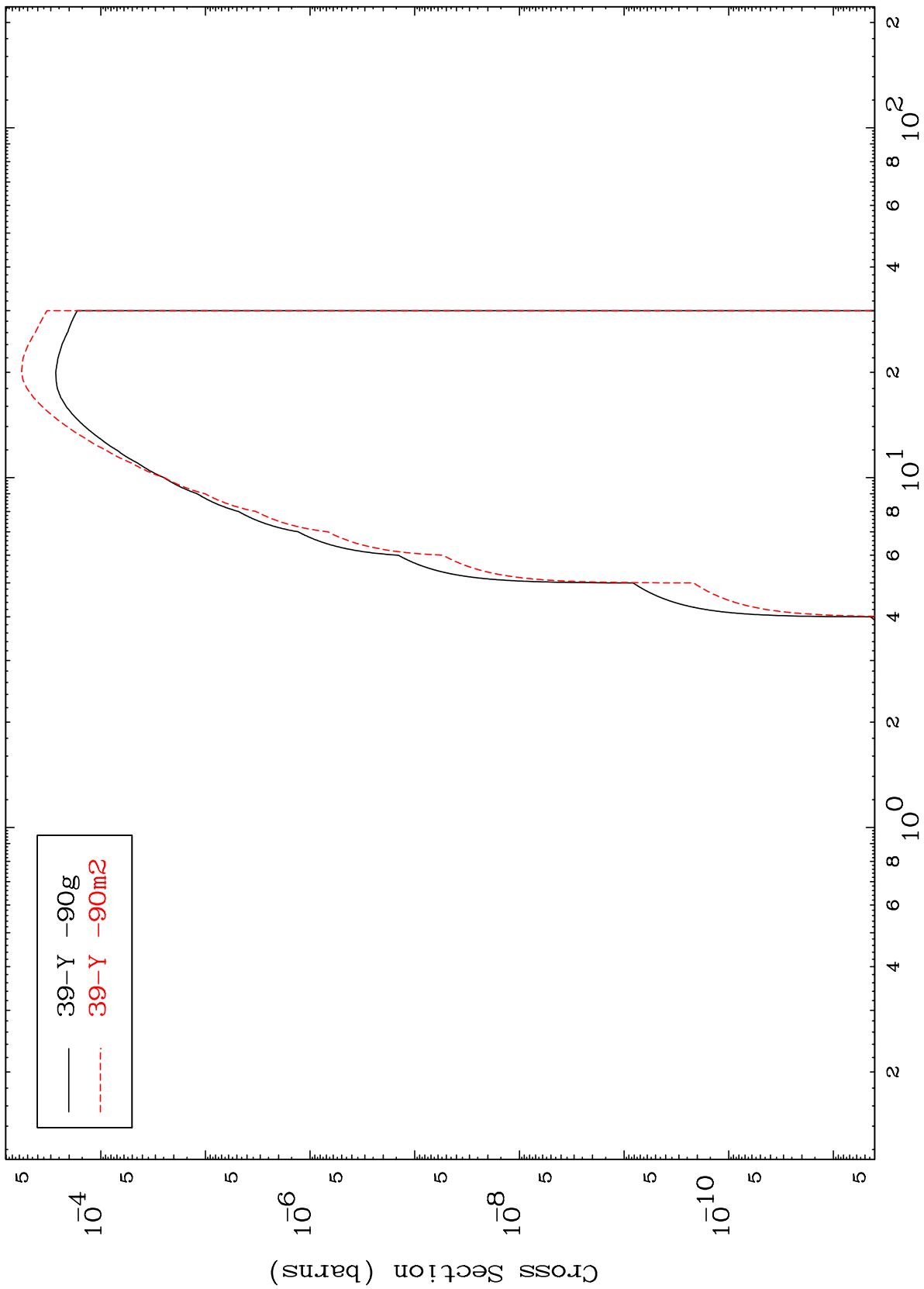
Incident Energy (MeV)

40-Zr-89

MAT 4022

40-Zr-89

Radionuclide Production Cross Section
(n,2p)



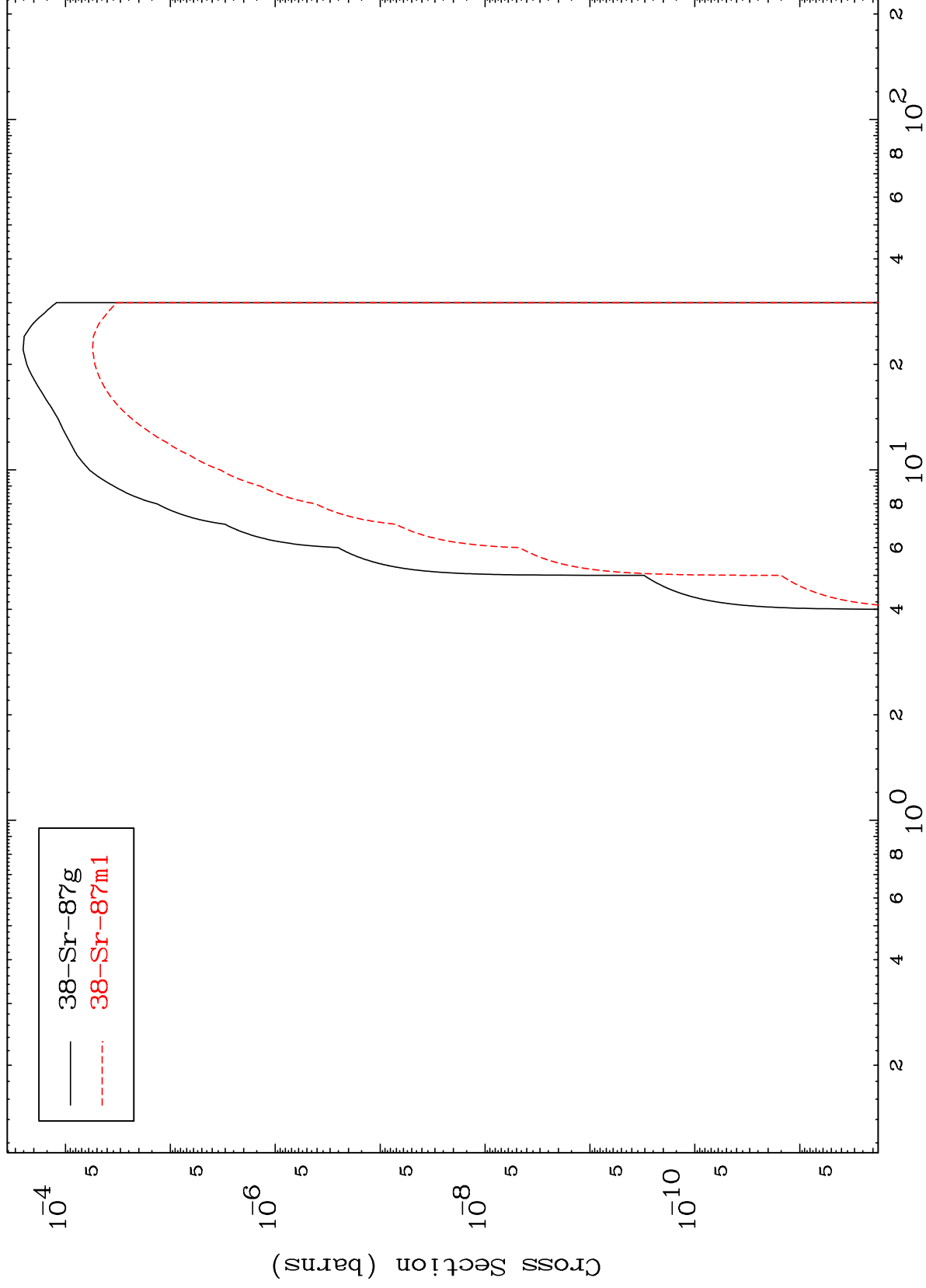
— 39-Y -90g
- - - 39-Y -90m2

28

Incident Energy (MeV)

40-Zr-89

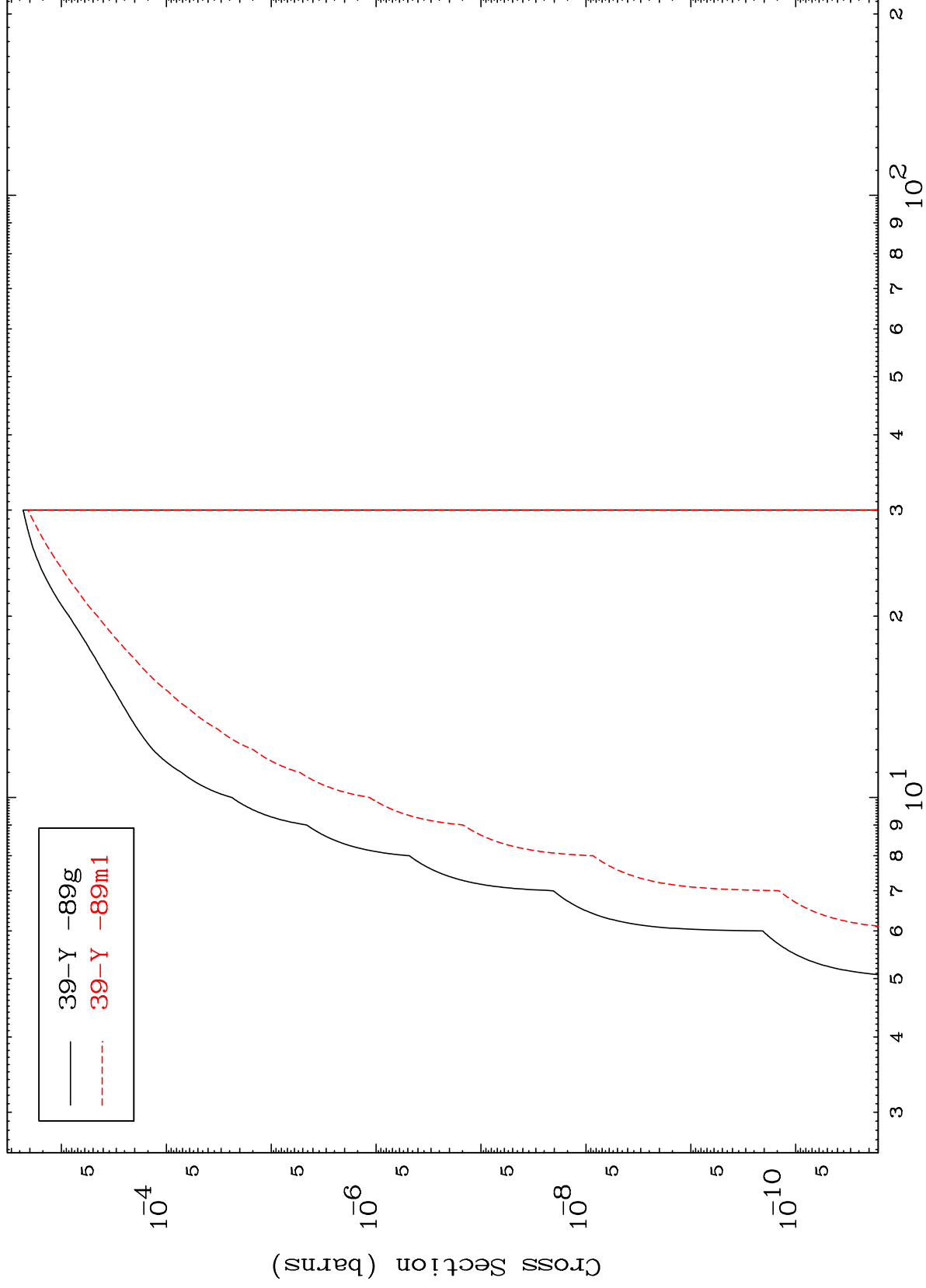
Radionuclide Production Cross Section
(n,p) α



MAT 4022

40-Zr-89

(n,p) d
Radionuclide Production Cross Section



40-Zr-89

Incident Energy (MeV)

30