

Program EVALPLOT
(Version 2021-1)

by

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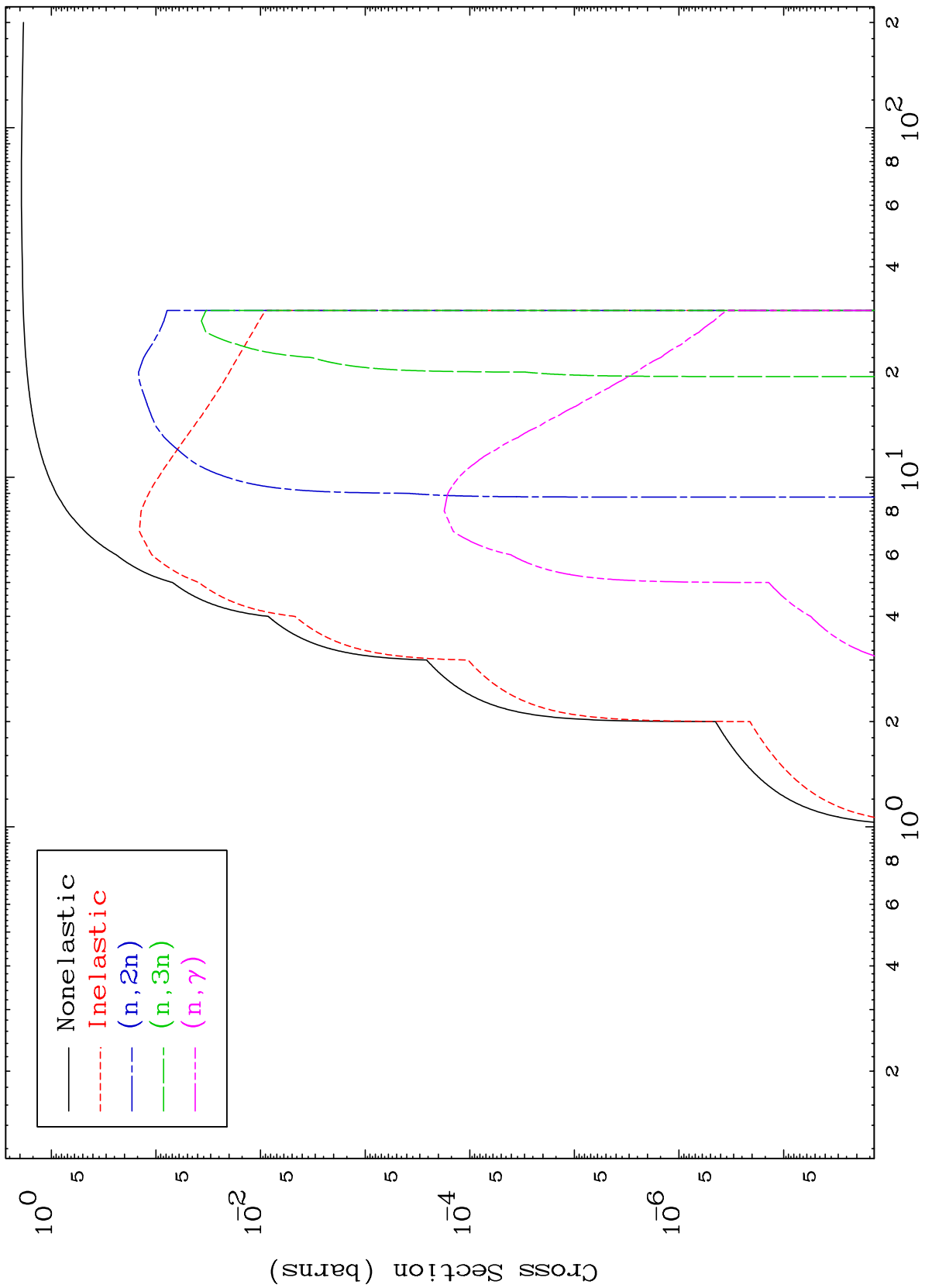
Press Mouse Button to Start

MAT 4114

Deuteron Major

41-Nb-89m

0 Kelvin Cross Sections

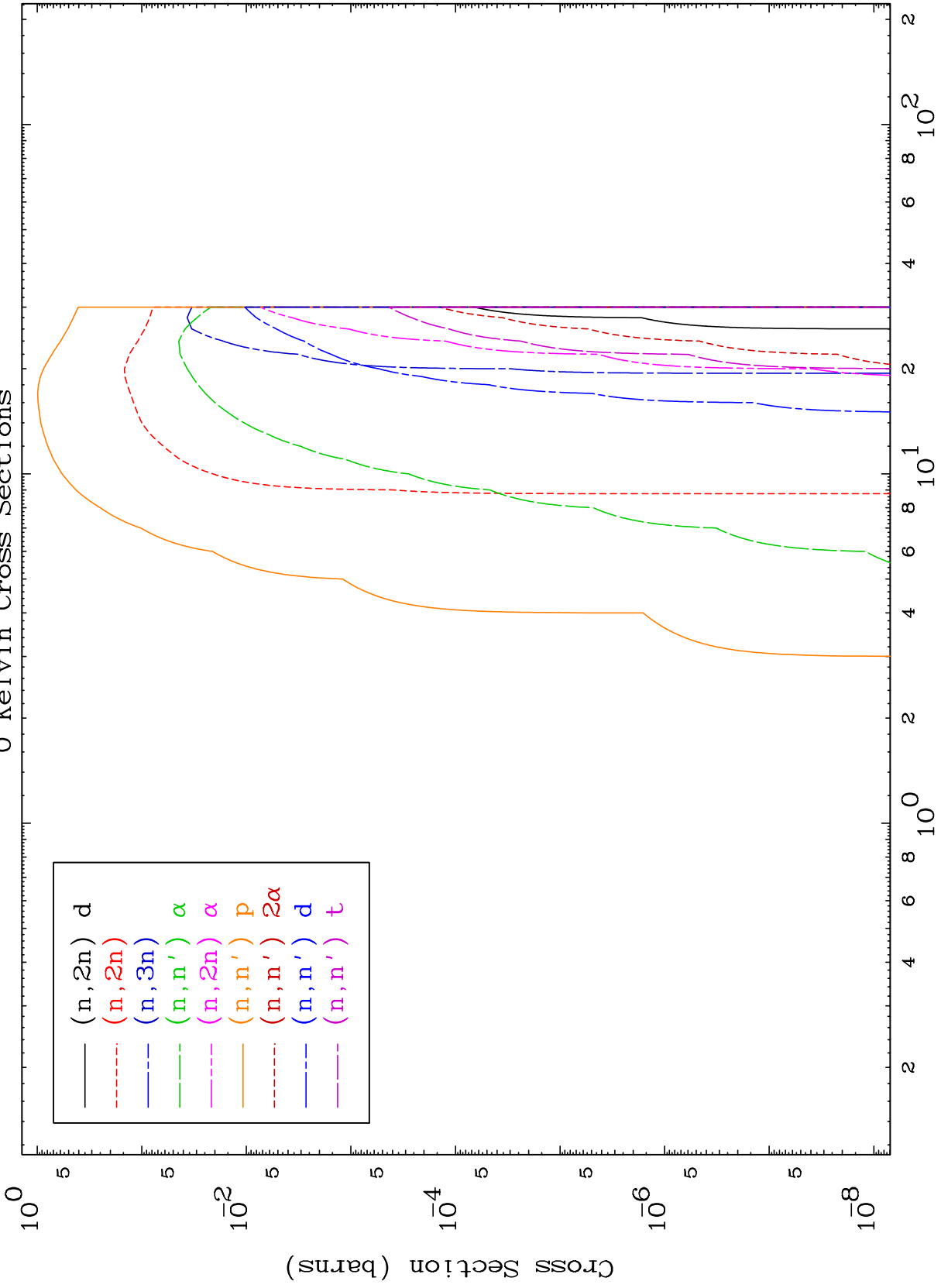


Legend:
— Nonelastic
- - - Inelastic
- - - (n, 2n)
- - - (n, 3n)
- - - (n, γ)

MAT 4114

Deuteron Neutron Absorption
0 Kelvin Cross Sections

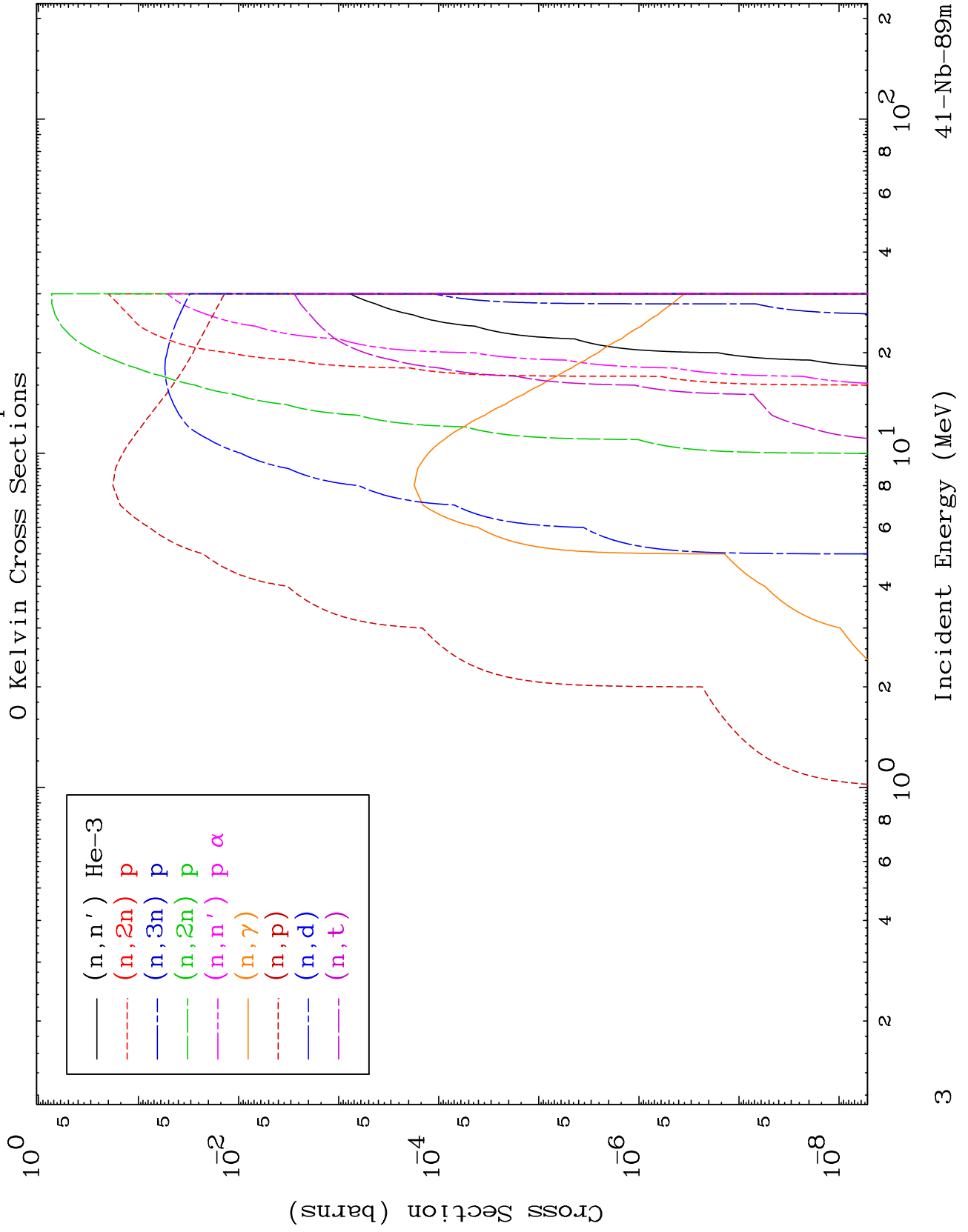
41-Nb-89m



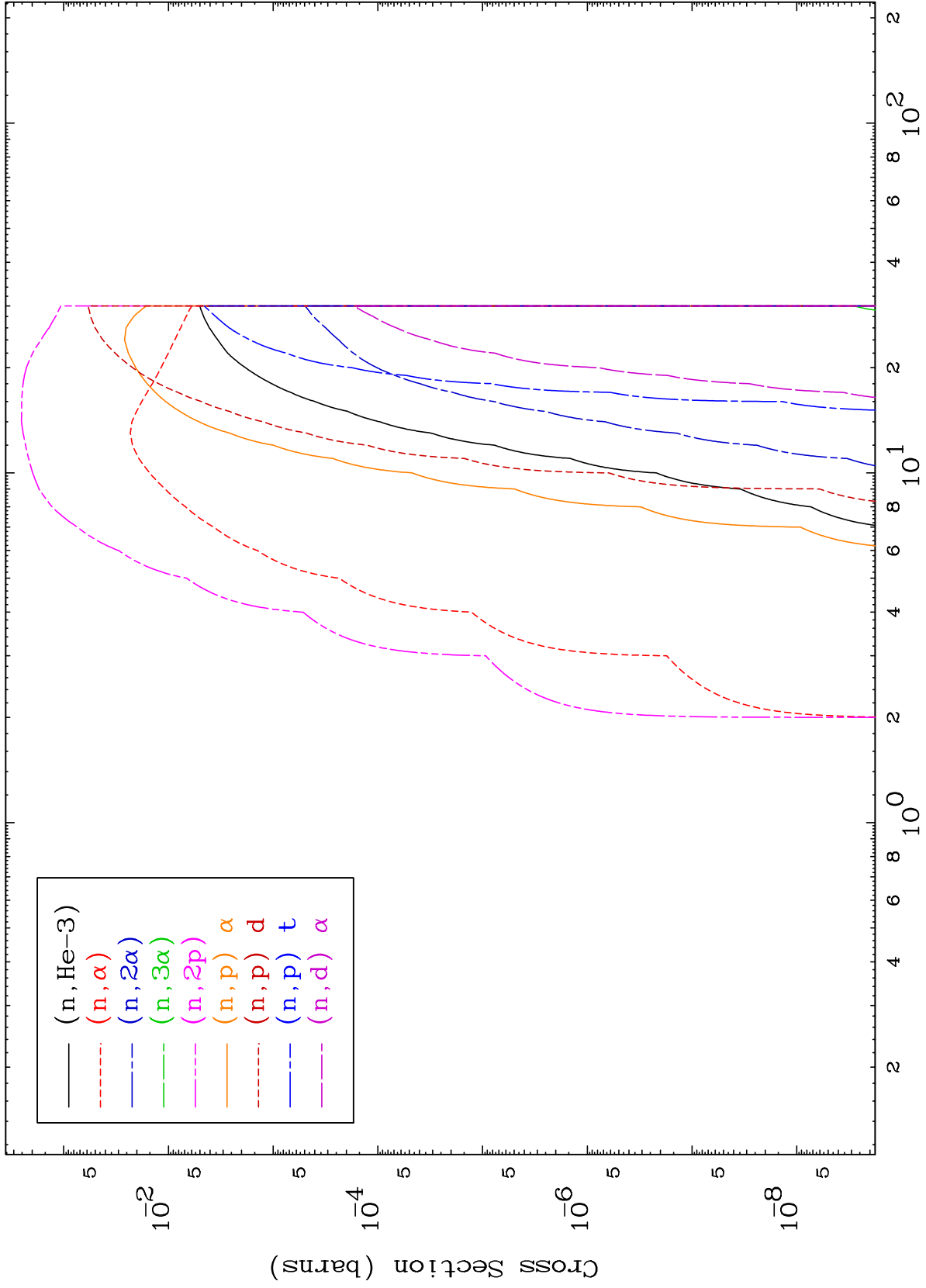
MAT 4114

Deuteron Neutron Absorption
0 Kelvin Cross Sections

41-Nb-89m



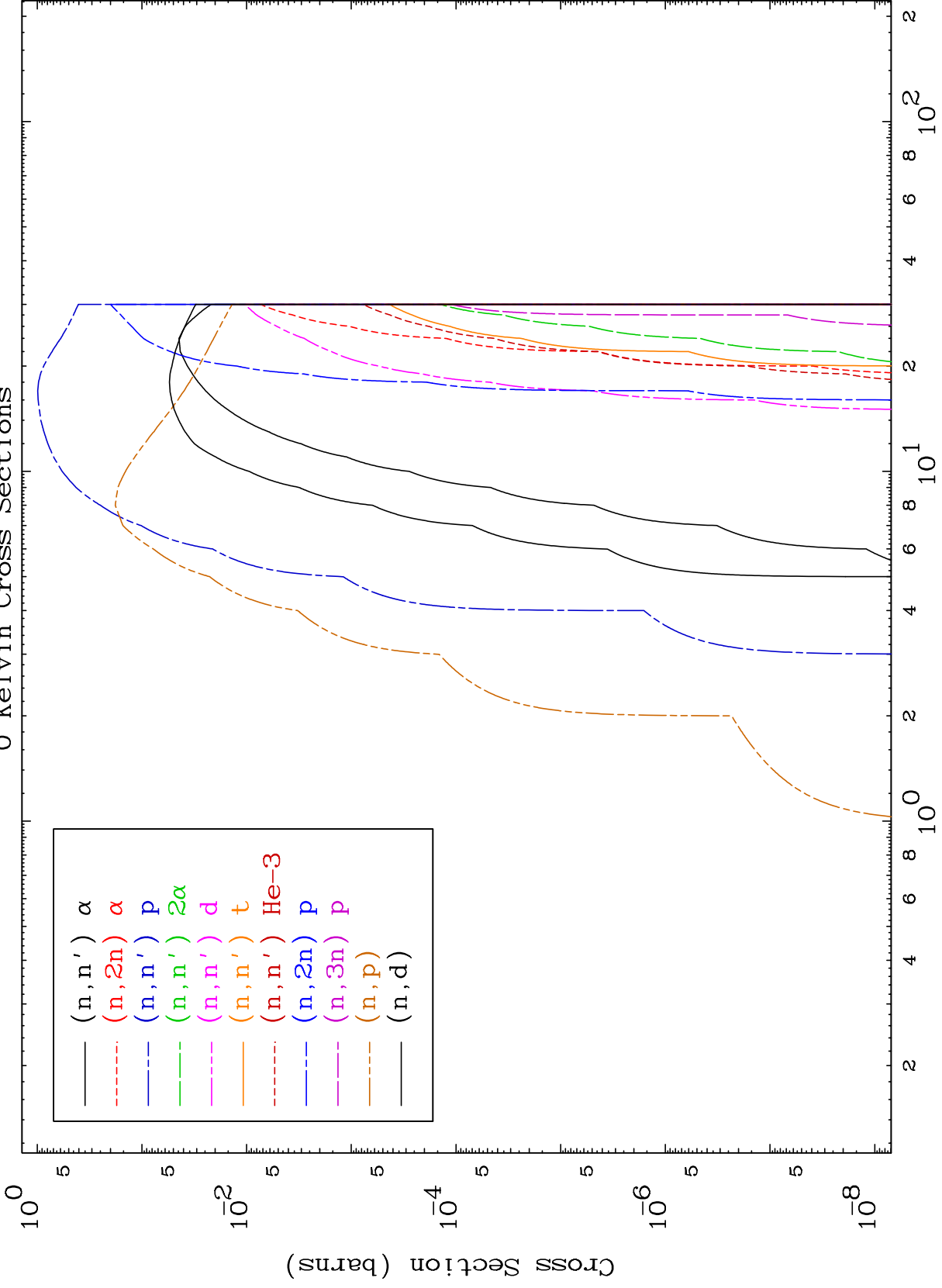
Deuteron Neutron Absorption
0 Kelvin Cross Sections



MAT 4114

Deuteron Charged Particle
0 Kelvin Cross Sections

41-Nb-89m

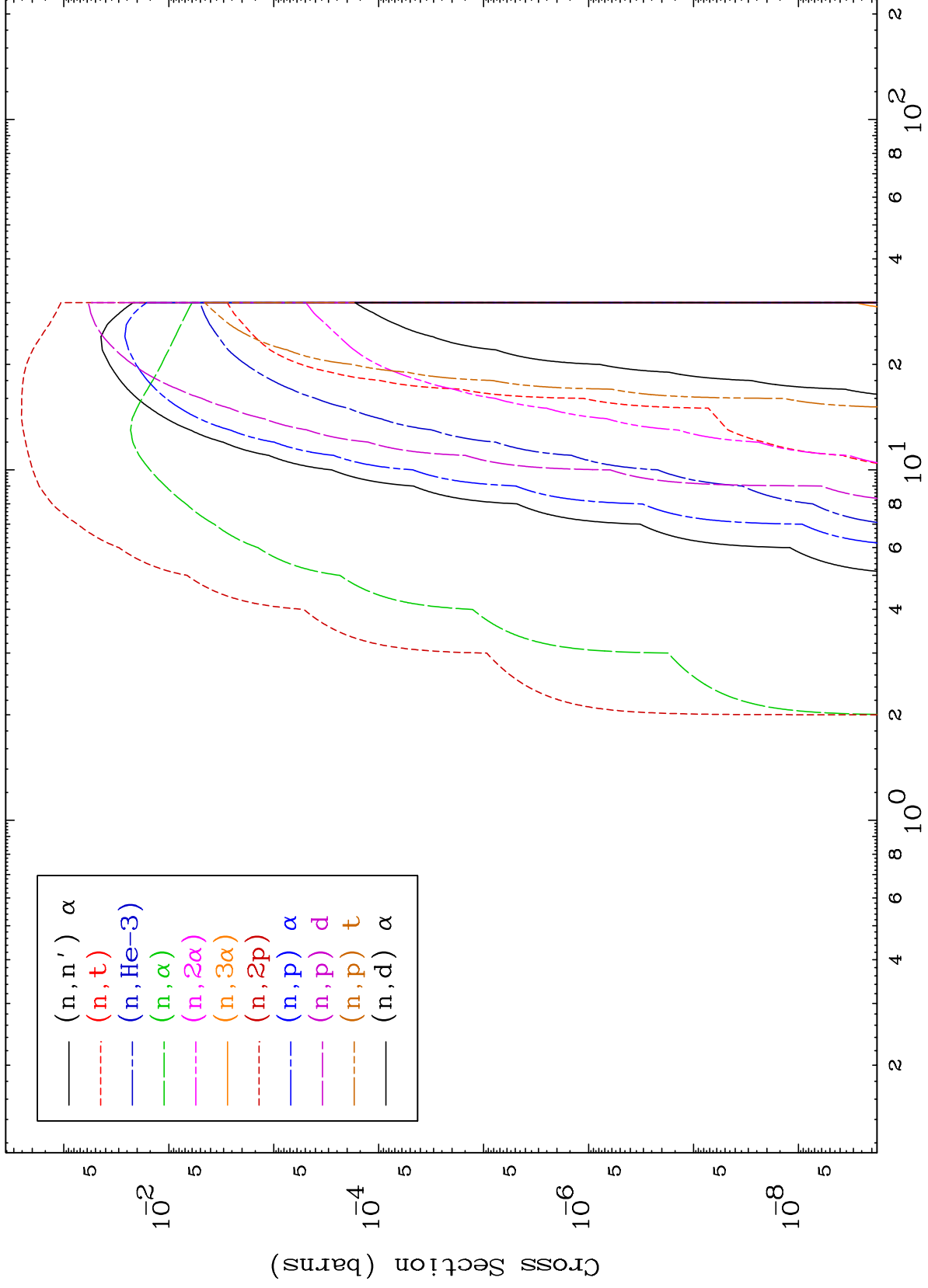


—	(n, n')	α
- - -	$(n, 2n)$	α
- - -	(n, n')	p
- - -	(n, n')	2α
- - -	(n, n')	d
- - -	(n, n')	t
- - -	(n, n')	He-3
- - -	$(n, 2n)$	p
- - -	$(n, 3n)$	p
- - -	(n, p)	
—	(n, d)	

MAT 4114

Deuteron Charged Particle
0 Kelvin Cross Sections

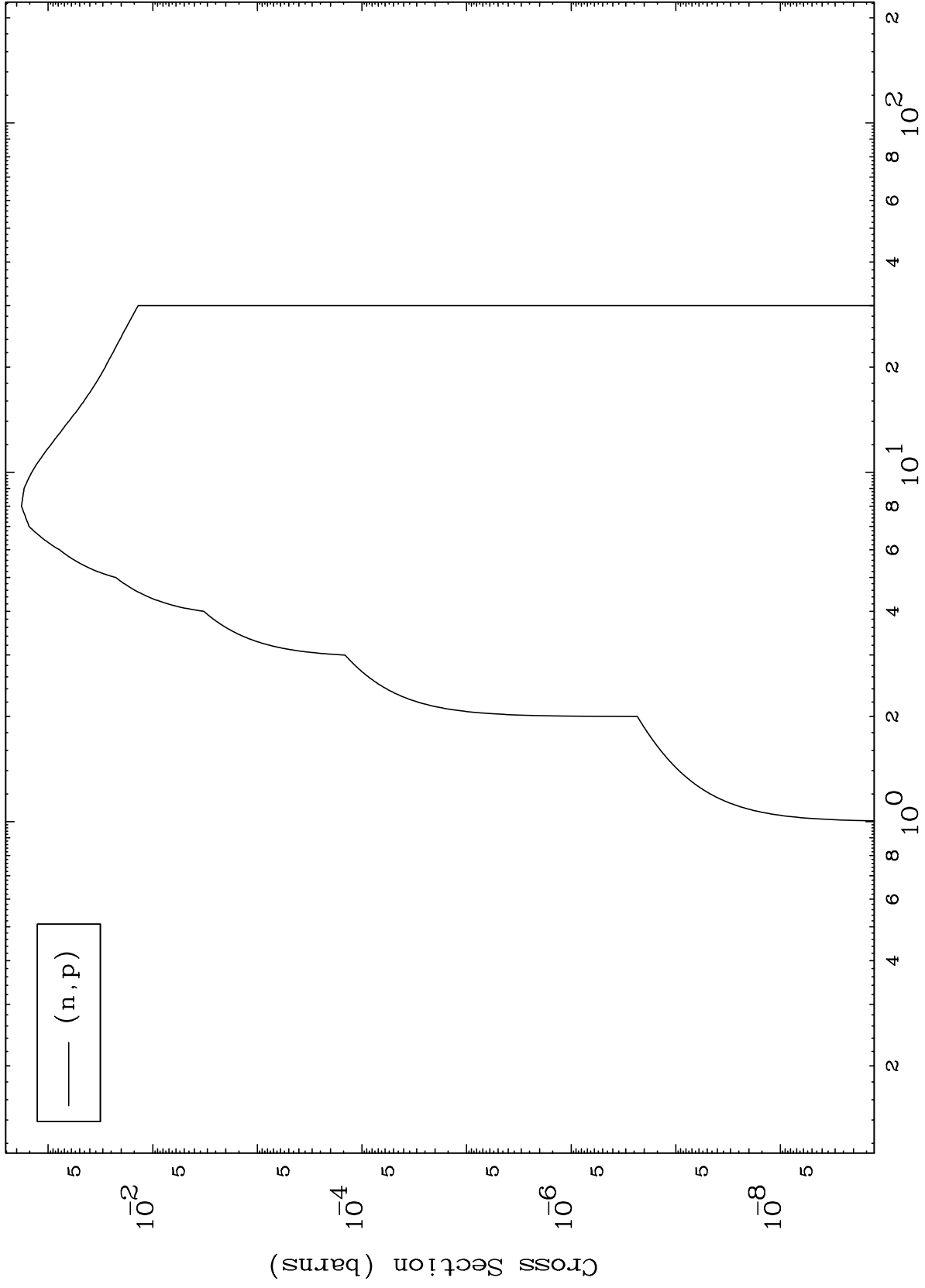
41-Nb-89m



MAT 4114

(d,p) Levels
0 Kelvin Cross Sections

41-Nb-89m

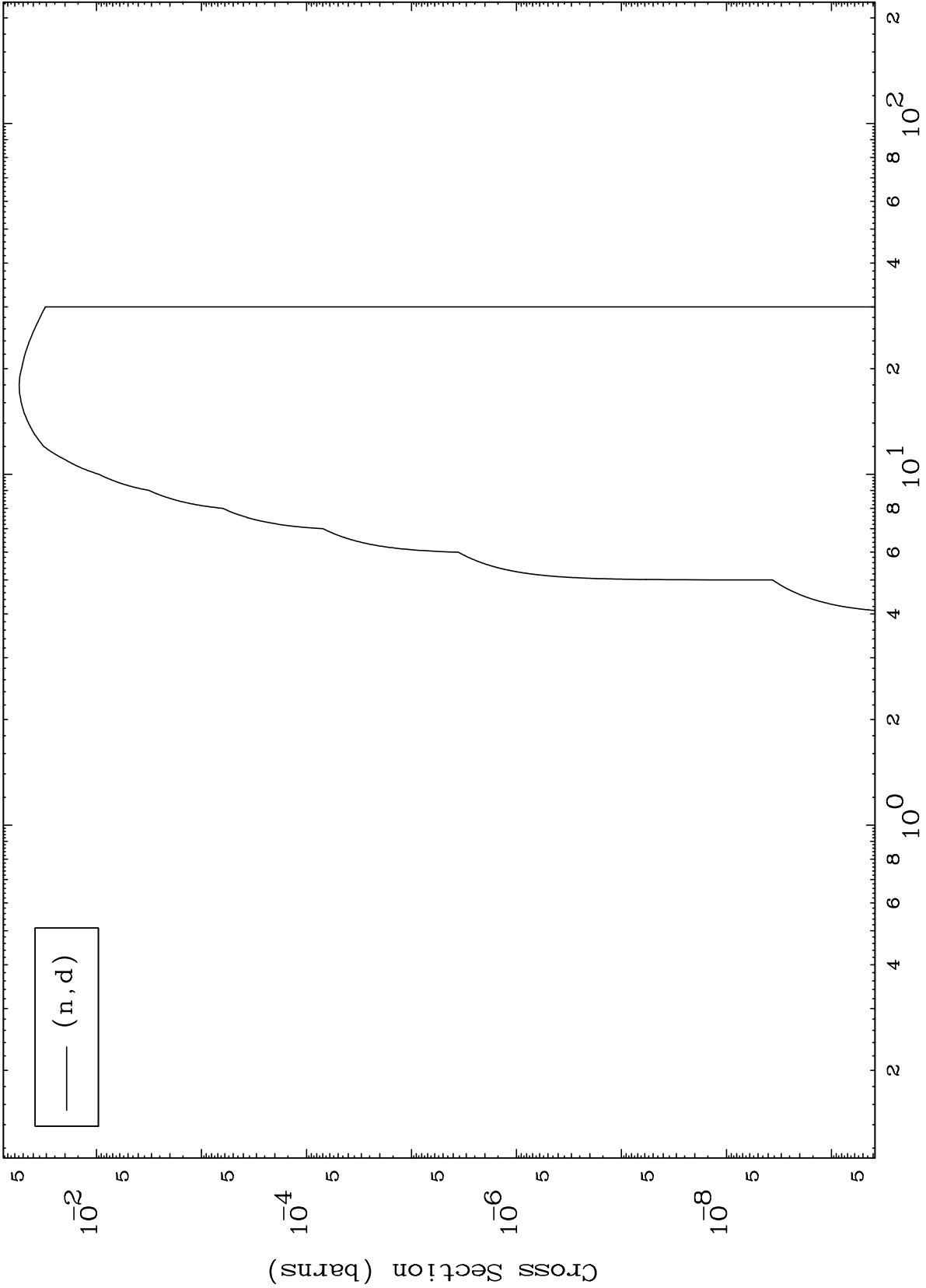


MAT 4114

(d,d) Levels

41-Nb-89m

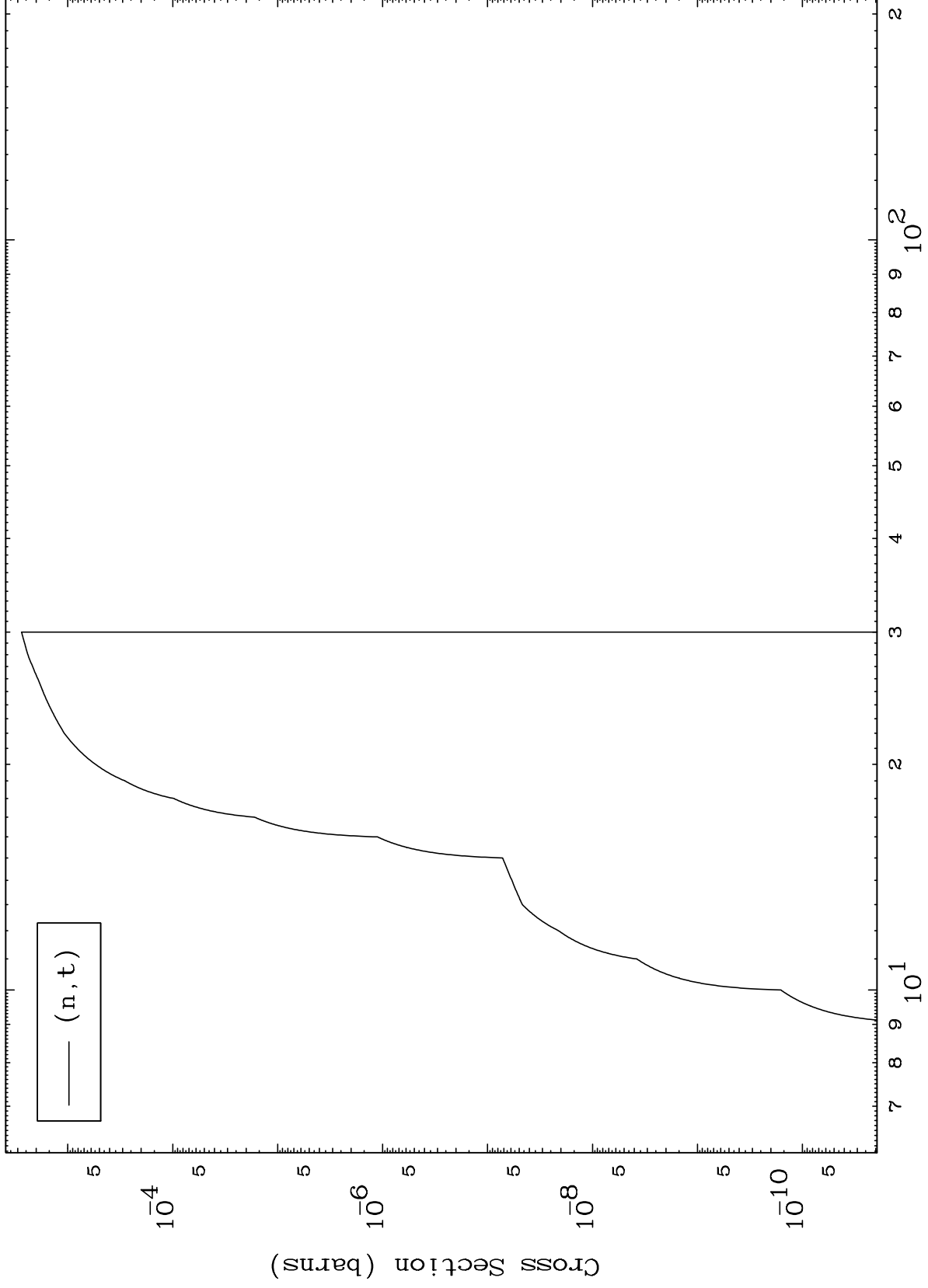
0 Kelvin Cross Sections



MAT 4114

(d, t) Levels
0 Kelvin Cross Sections

41-Nb-89m



9

Incident Energy (MeV)

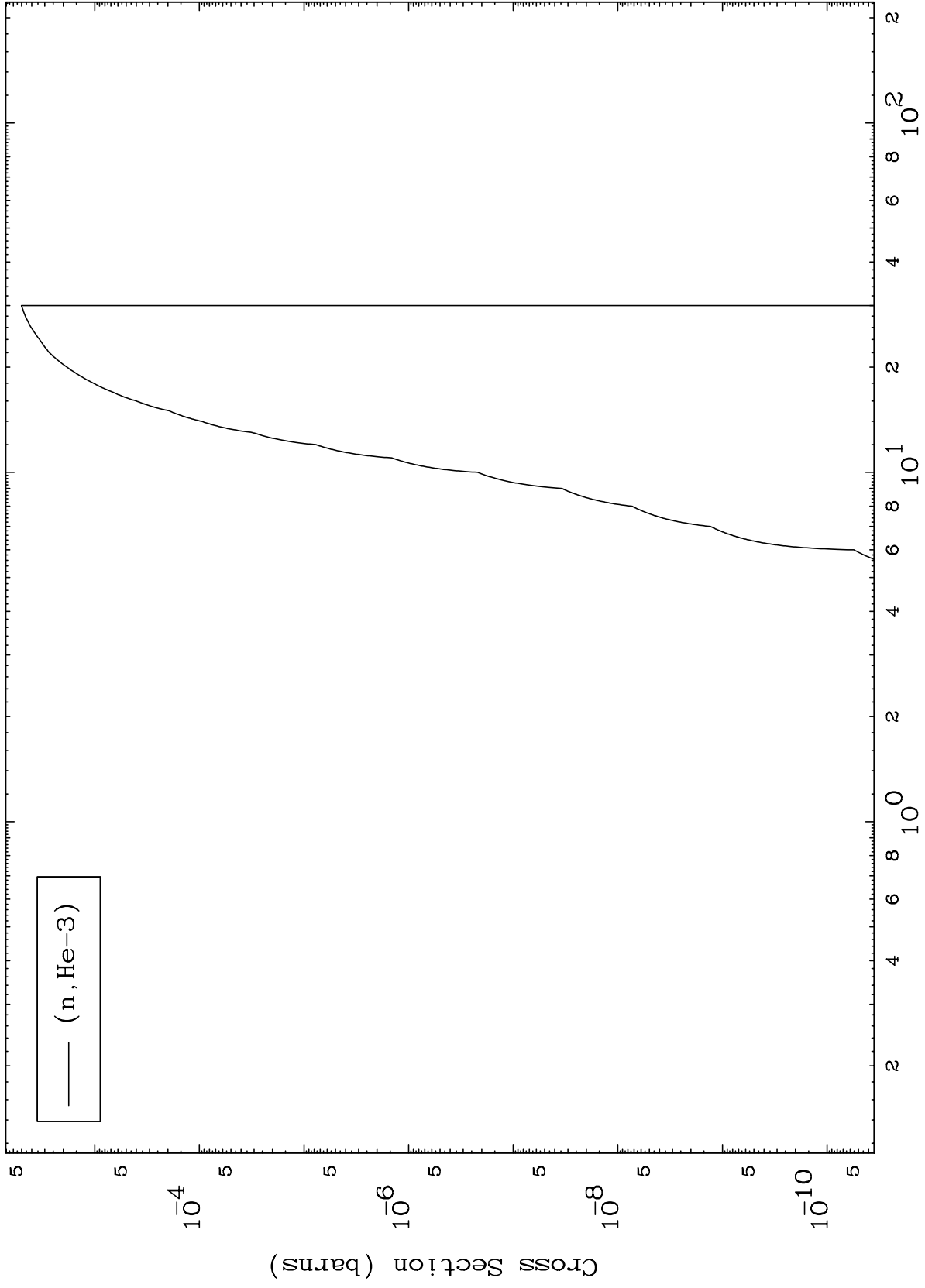
41-Nb-89m

MAT 4114

(d,He3) Levels

41-Nb-89m

0 Kelvin Cross Sections



10

Incident Energy (MeV)

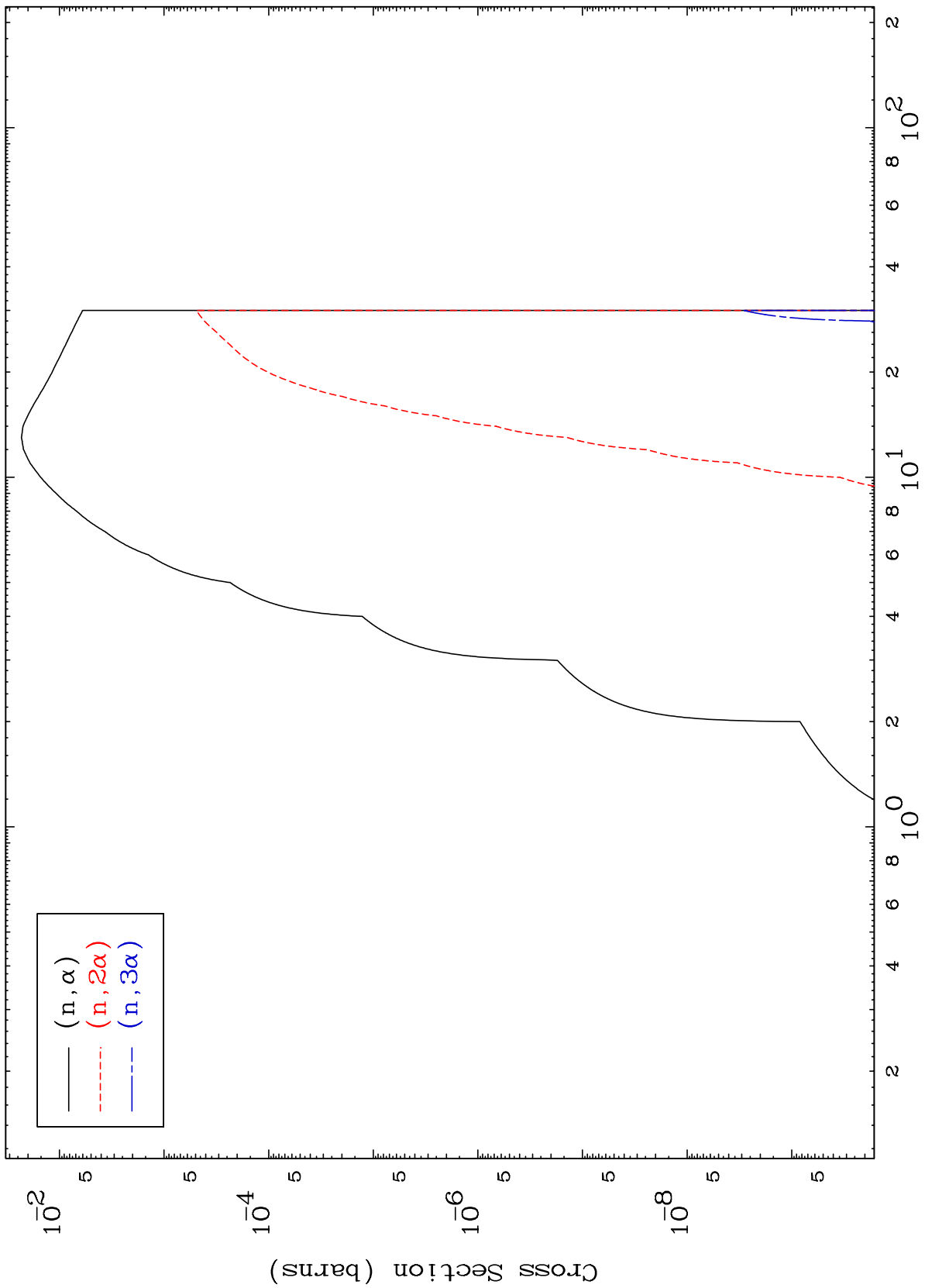
41-Nb-89m

MAT 4114

(d, α) Levels

41-Nb-89m

0 Kelvin Cross Sections

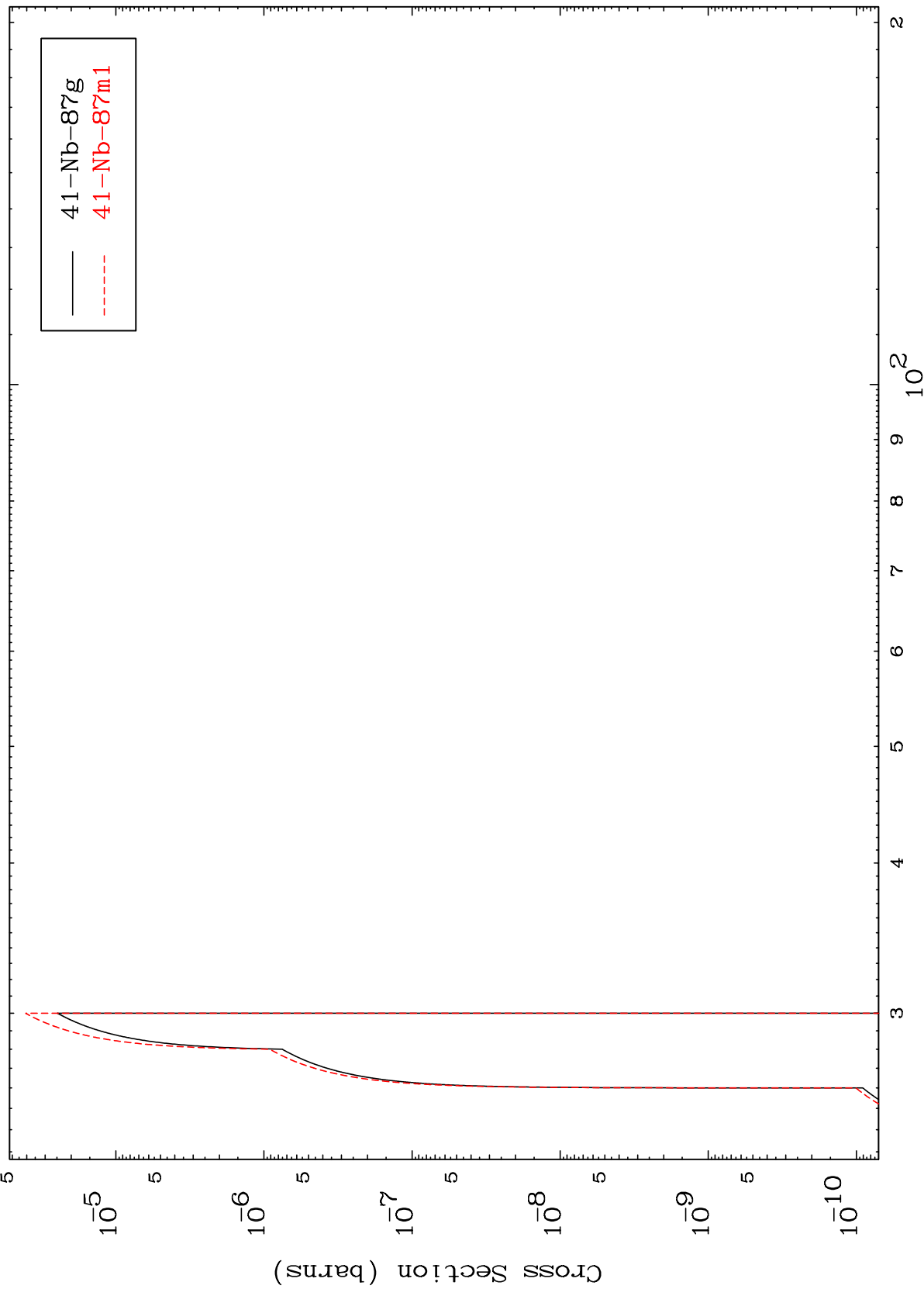


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(n,2n) d

41-Nb-89m

Radionuclide Production Cross Section



12

Incident Energy (MeV)

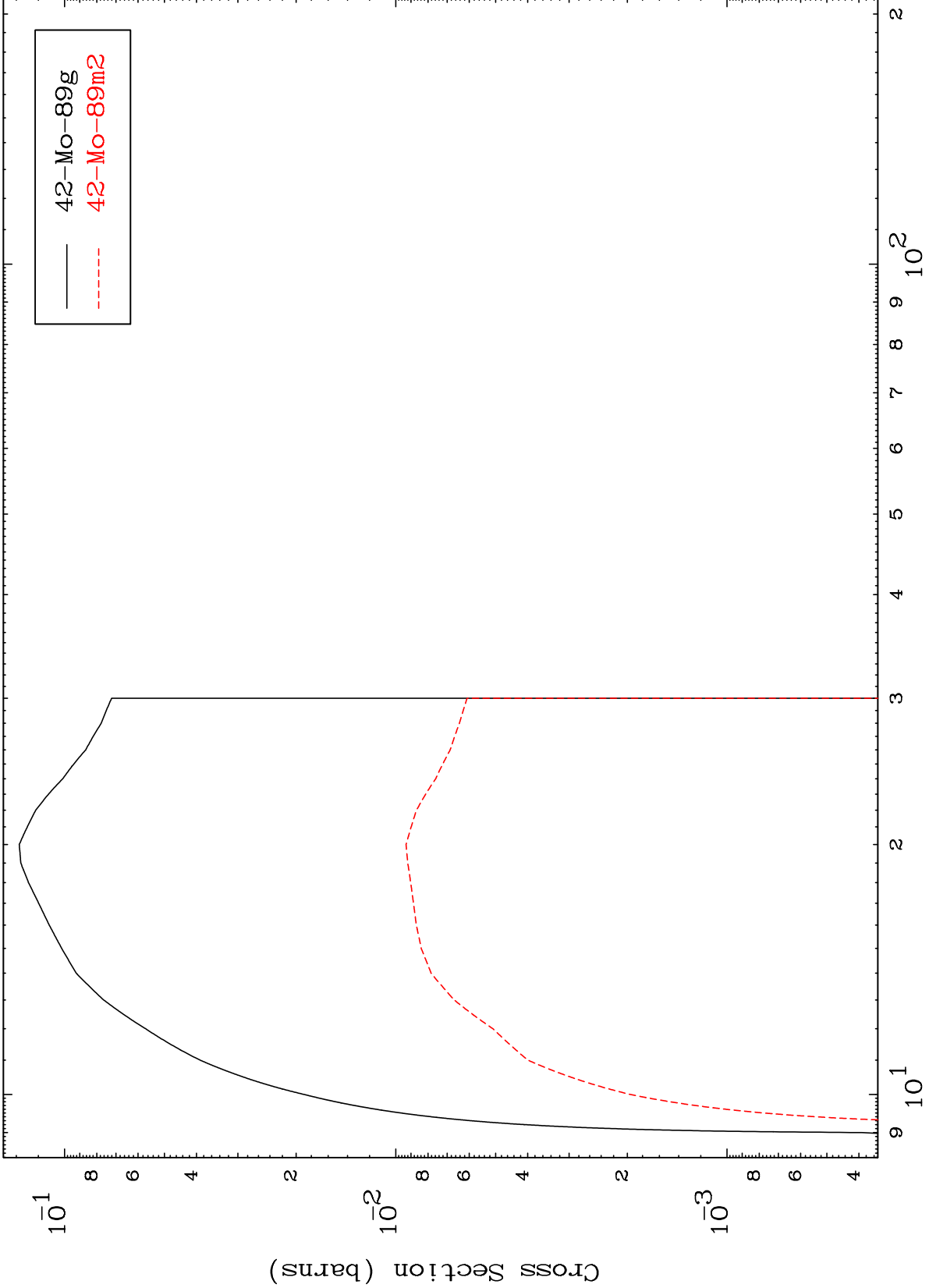
41-Nb-89m

MAT 4114

(n,2n)

41-Nb-89m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

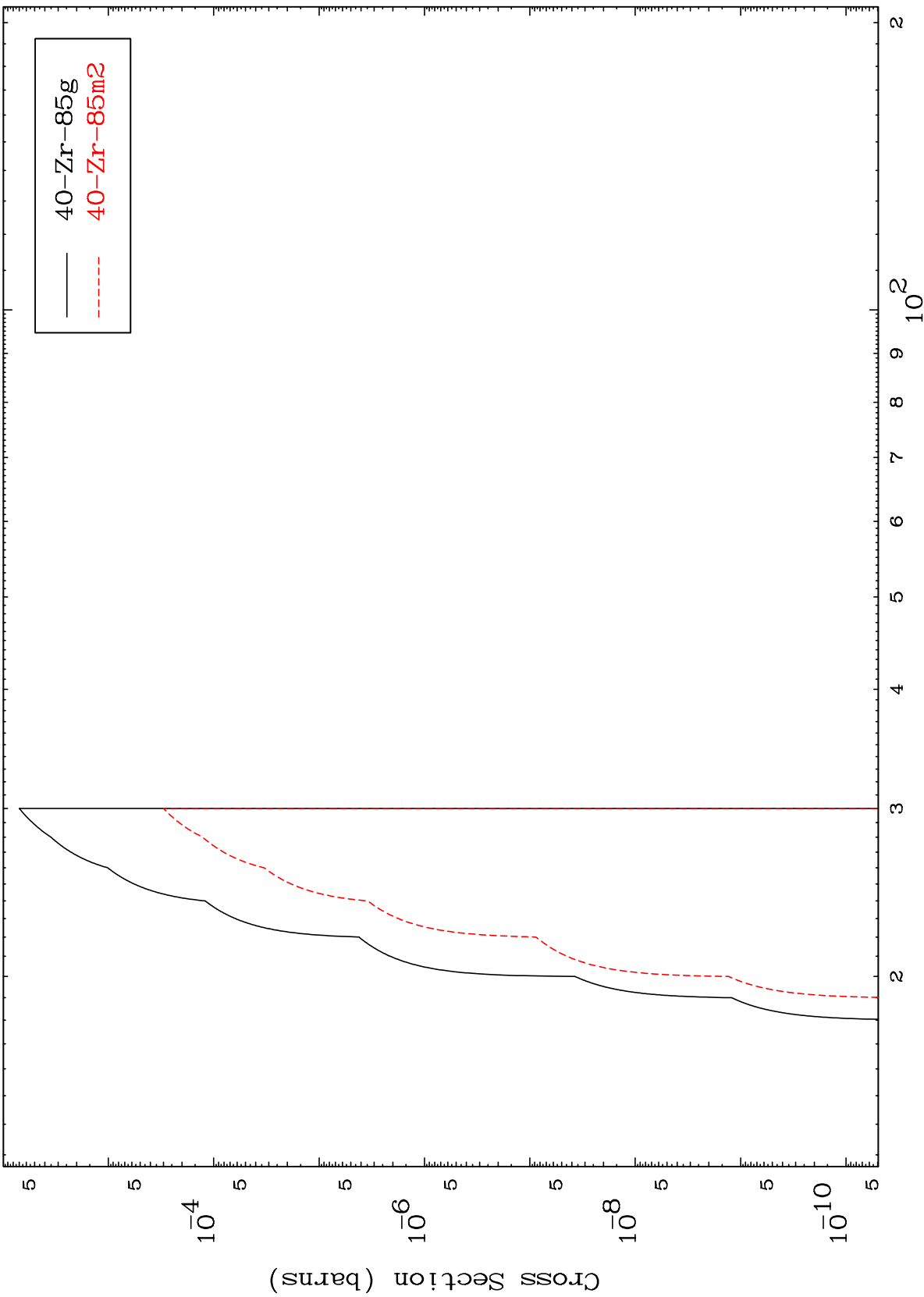
41-Nb-89m

MAT 4114

(n,2n) α

41-Nb-89m

Radionuclide Production Cross Section



14

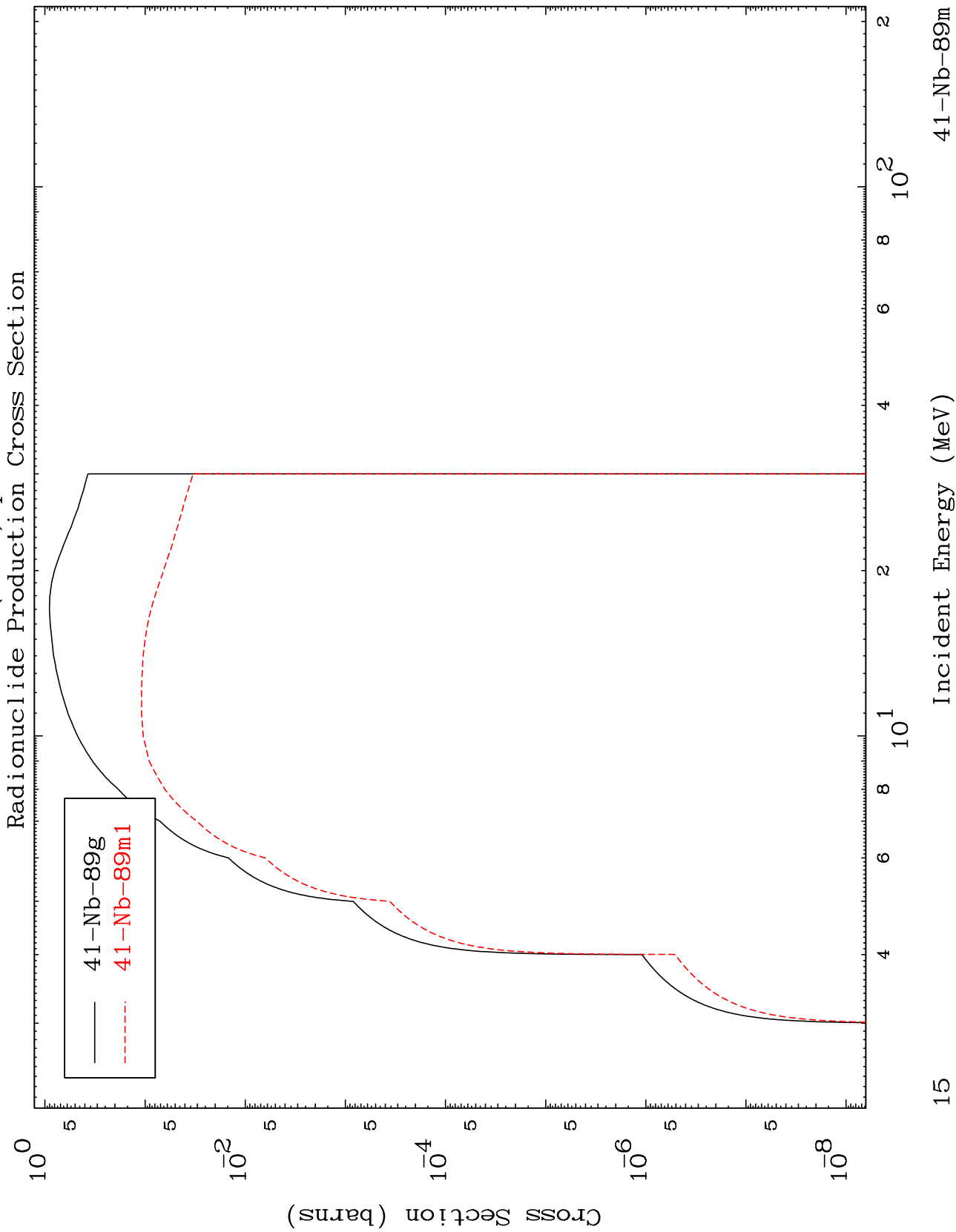
Incident Energy (MeV)

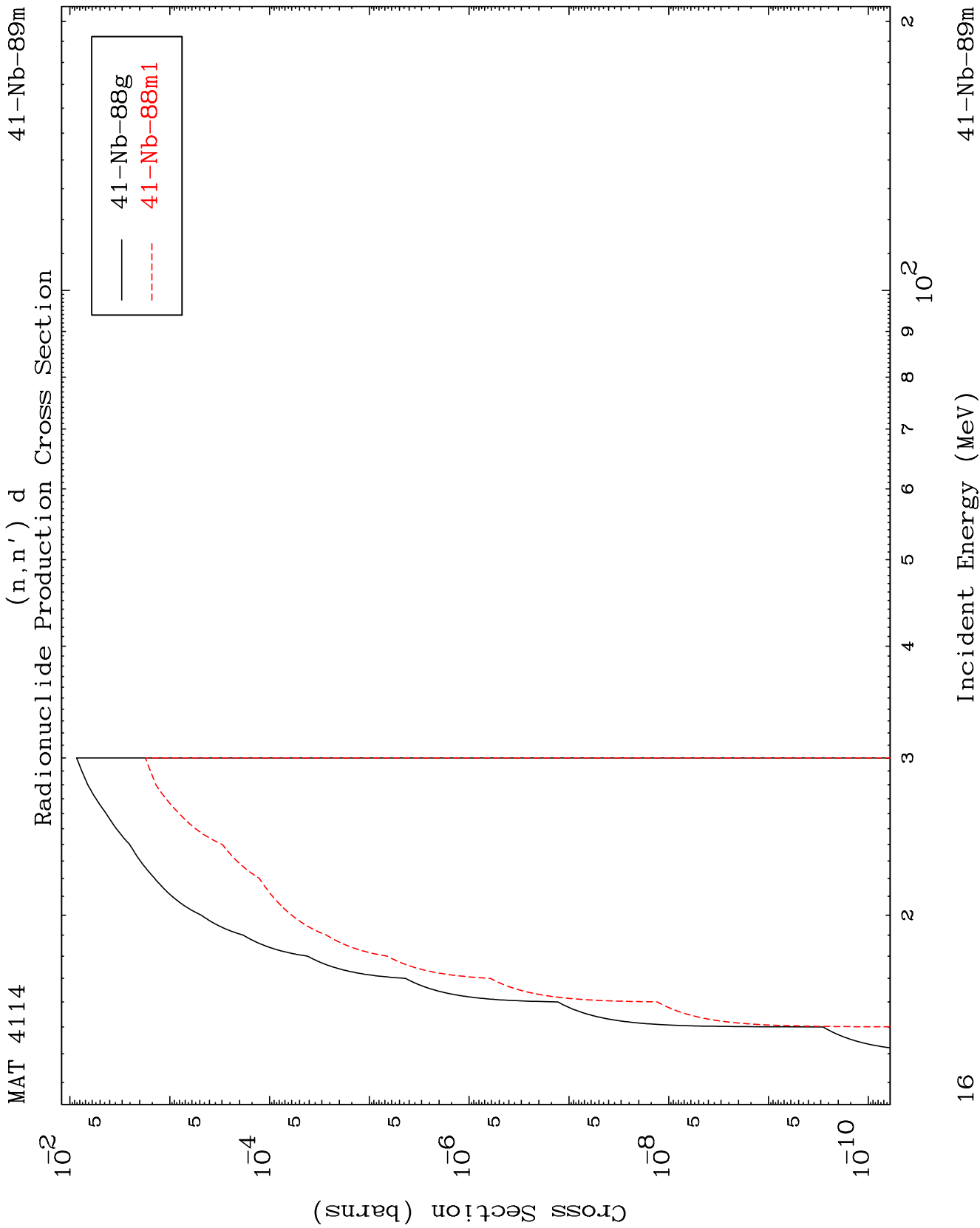
41-Nb-89m

MAT 4114

(n,n') p

41-Nb-89m



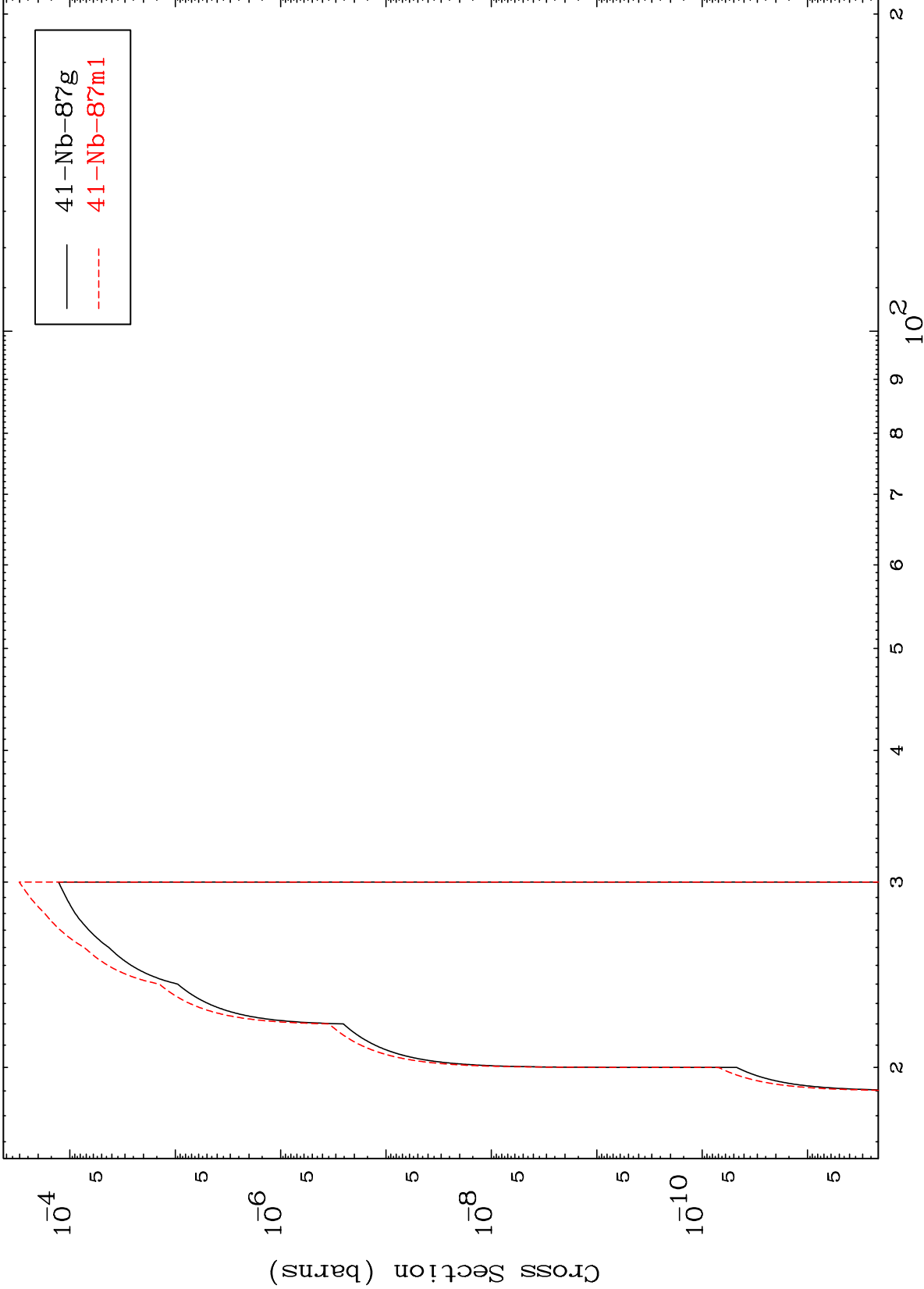


MAT 4114

(n,n') t

41-Nb-89m

Radionuclide Production Cross Section



17

Incident Energy (MeV)

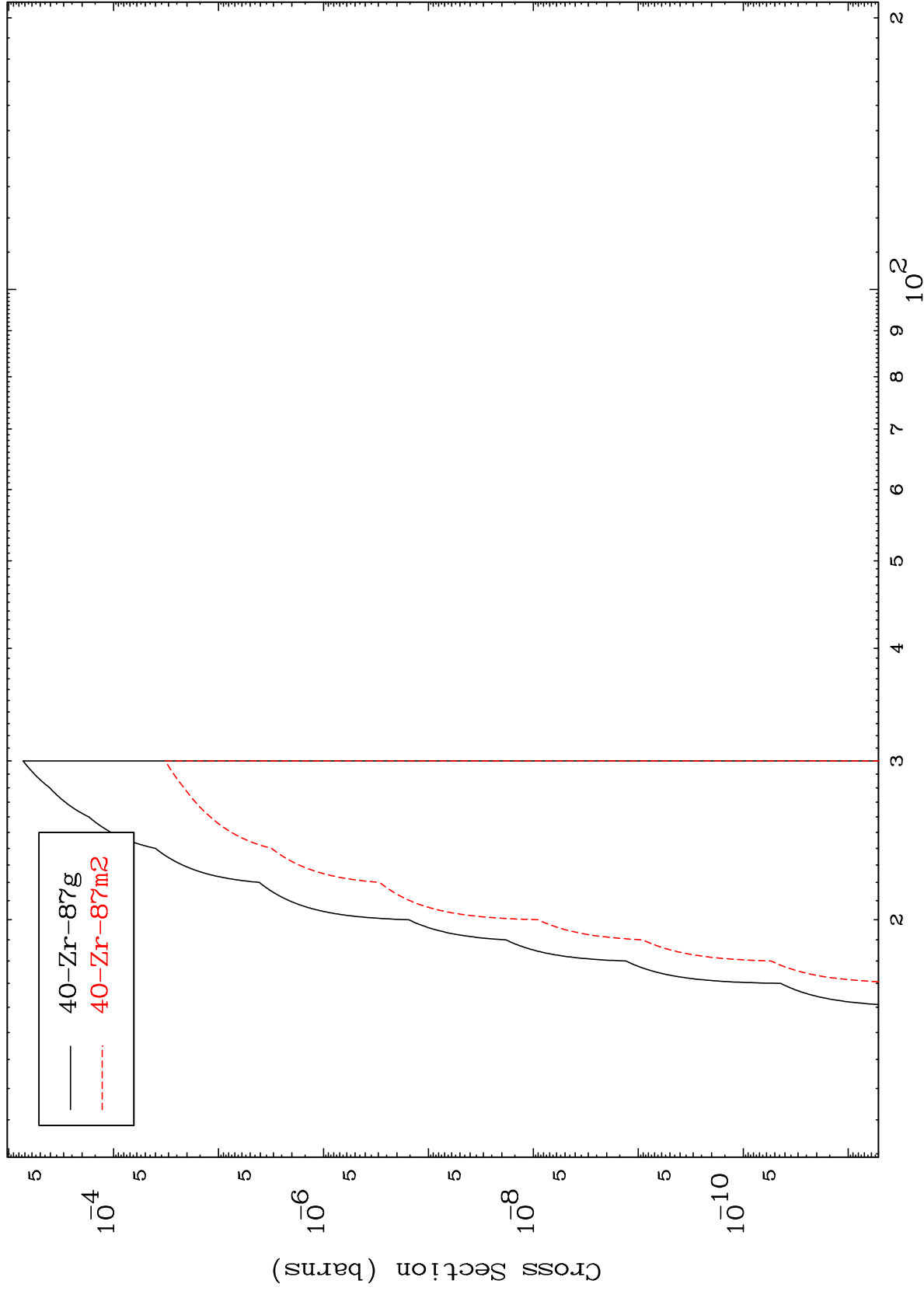
41-Nb-89m

MAT 4114

(n,n') He-3

41-Nb-89m

Radionuclide Production Cross Section



18

Incident Energy (MeV)

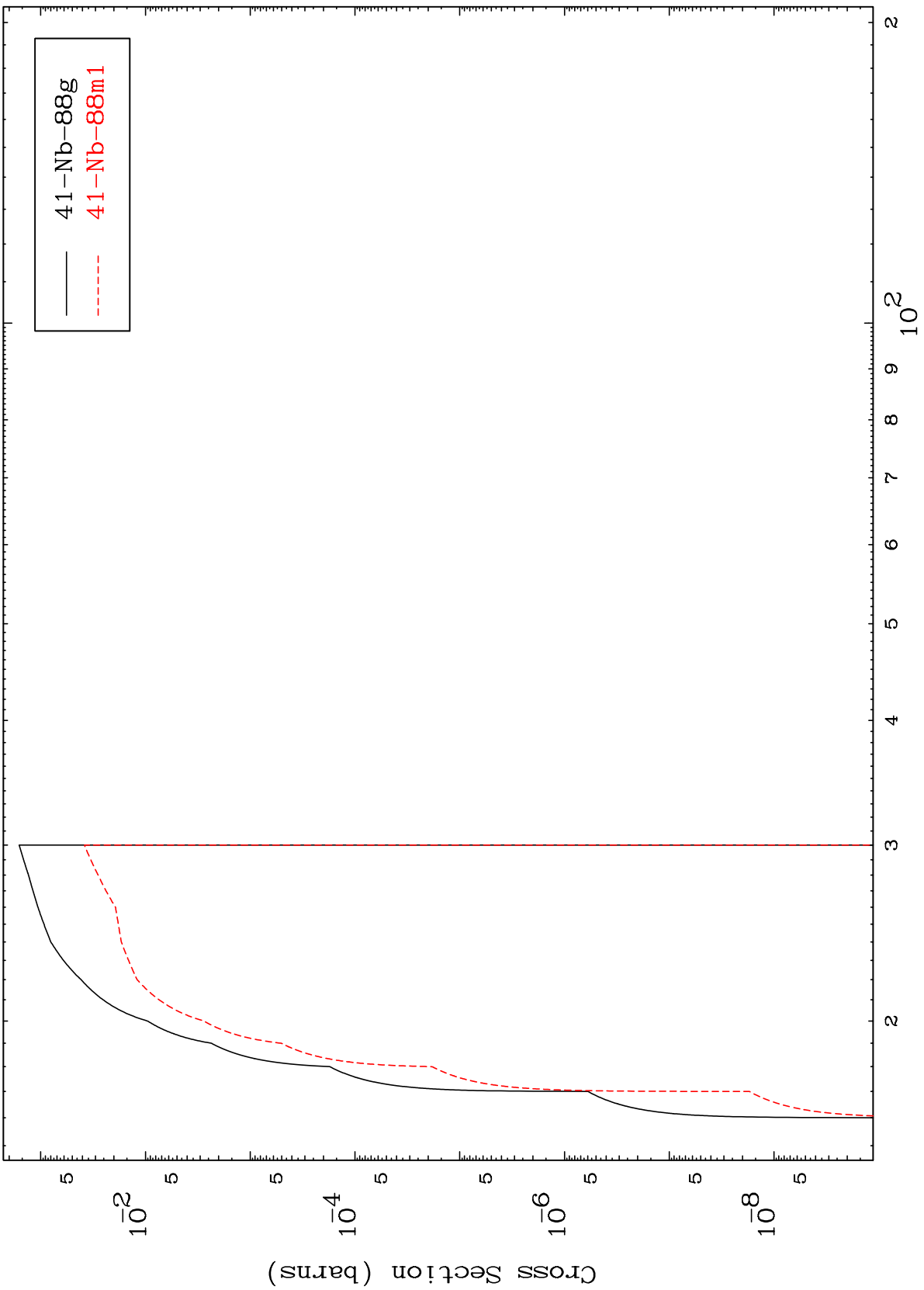
41-Nb-89m

MAT 4114

(n,2n) p

41-Nb-89m

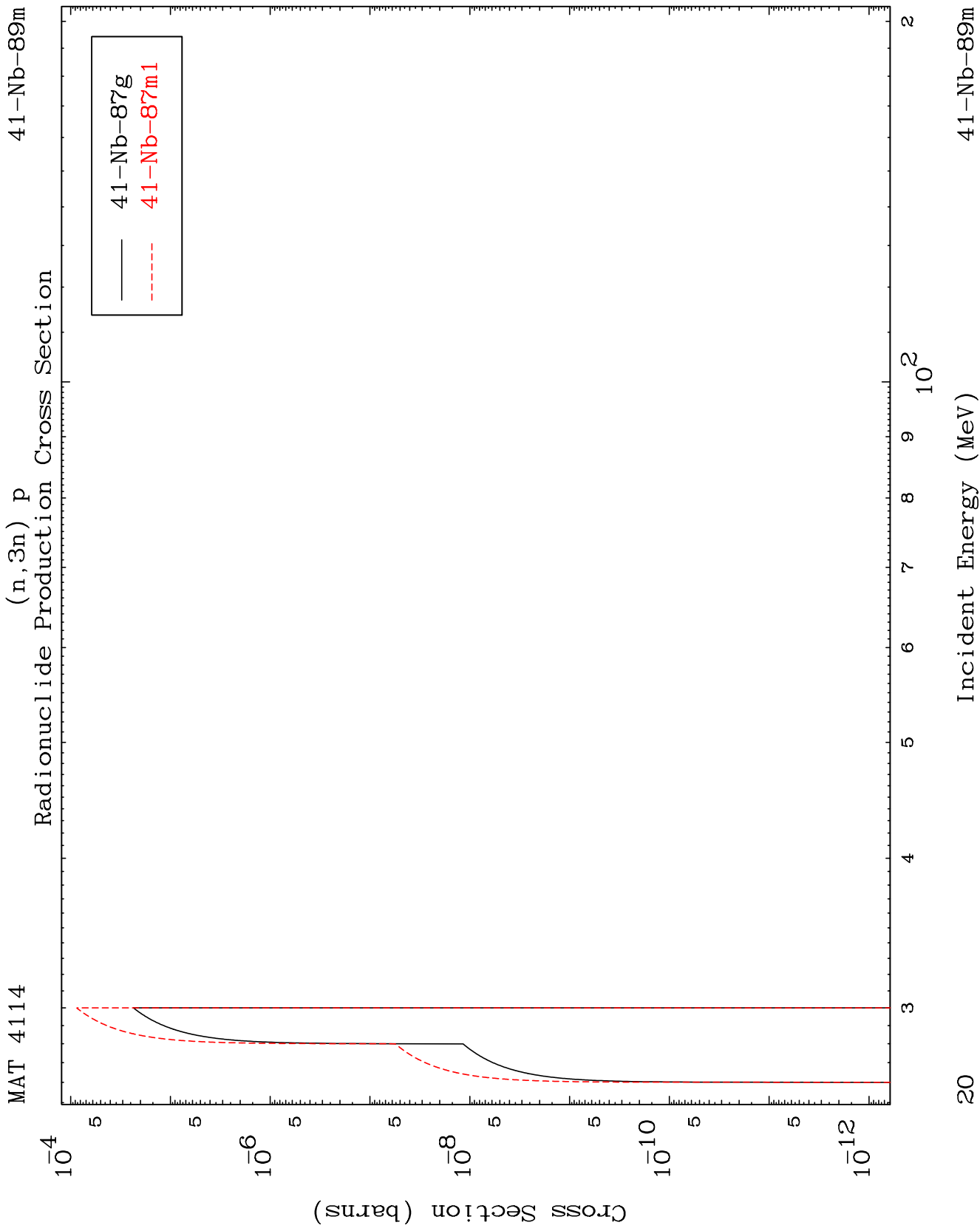
Radionuclide Production Cross Section



19

Incident Energy (MeV)

41-Nb-89m

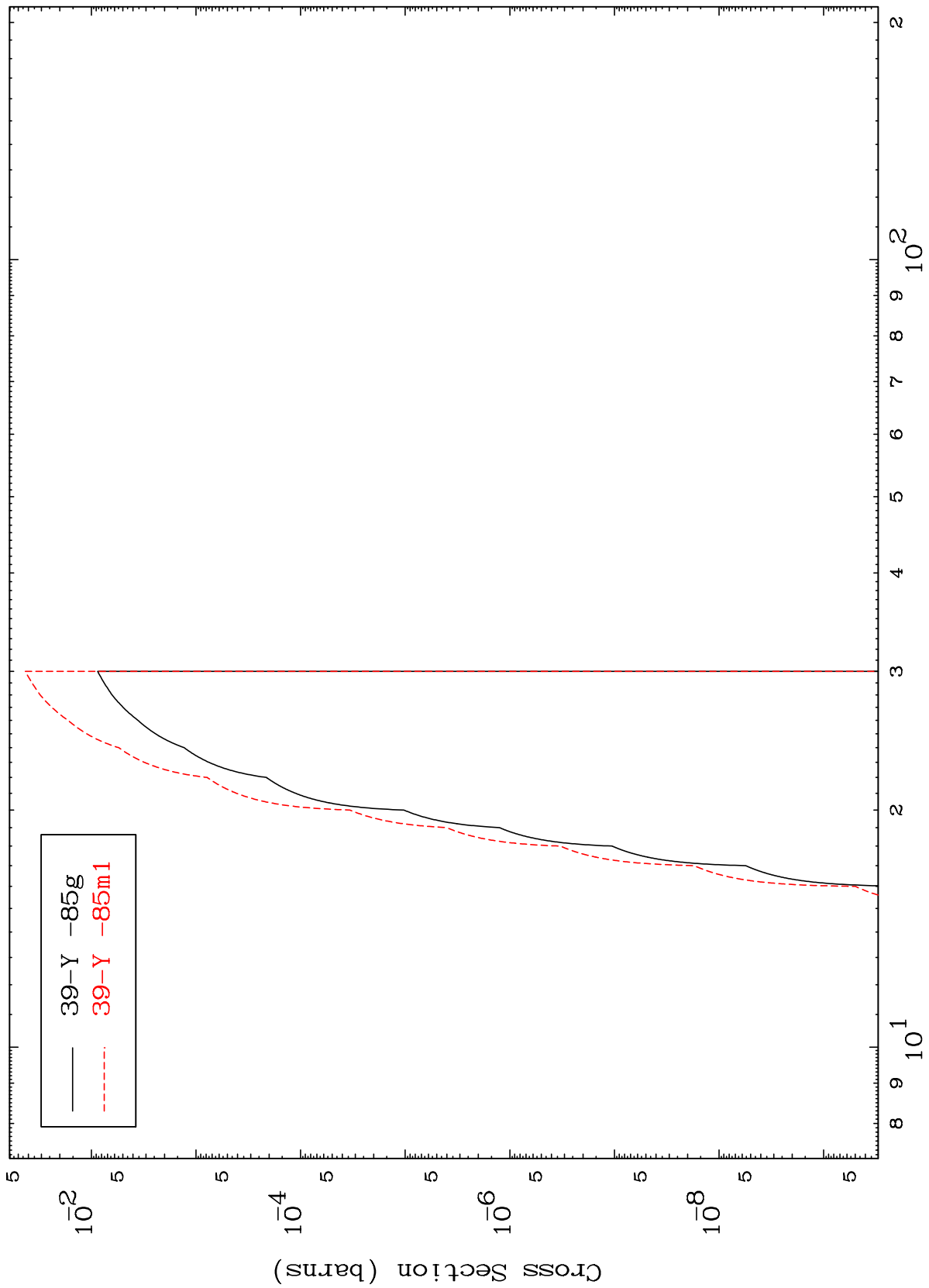


MAT 4114

(n,n') p α

41-Nb-89m

Radionuclide Production Cross Section

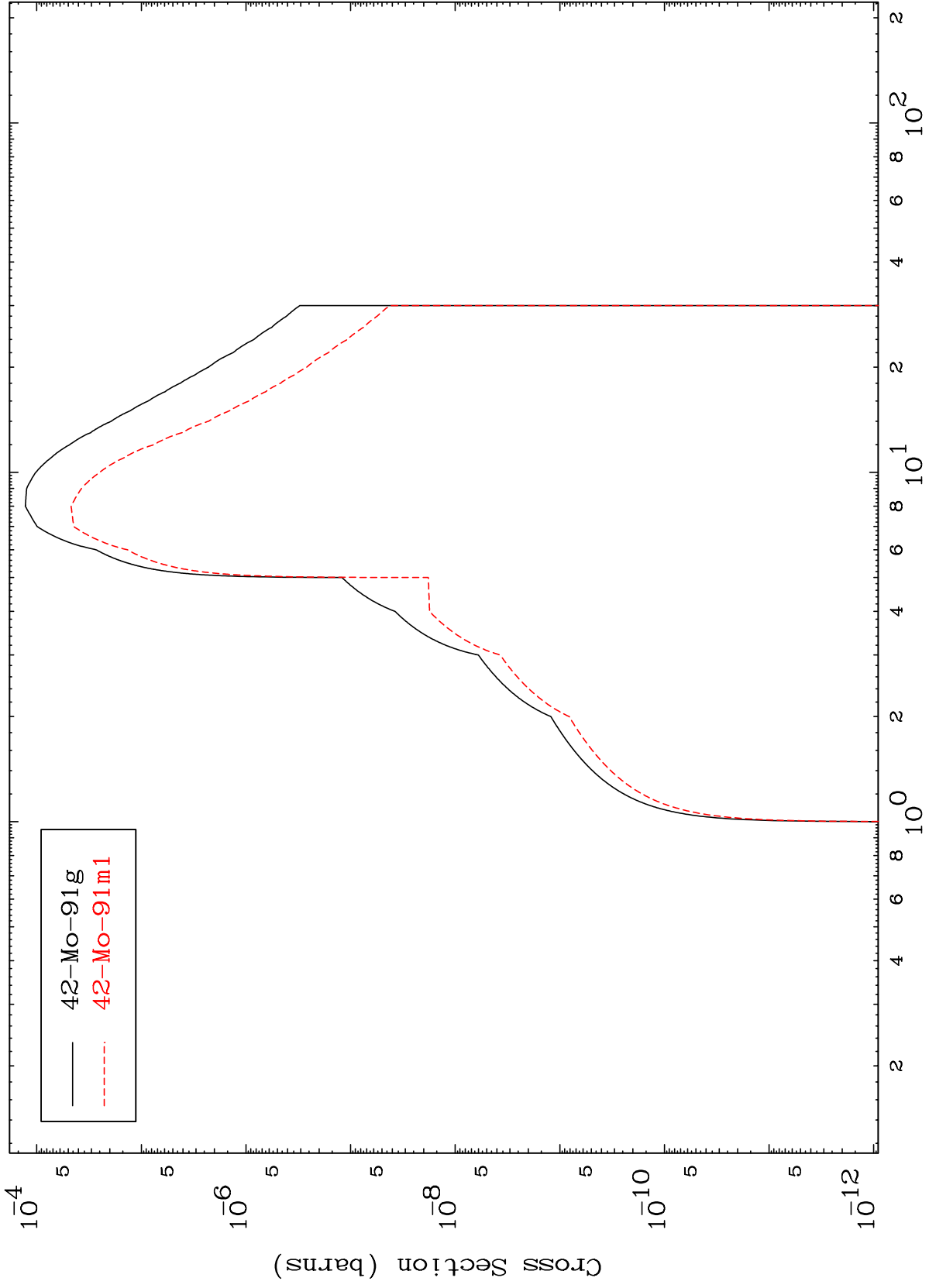


39-Y -85g
39-Y -85m1

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41-Nb-89m

(n, γ)
Radionuclide Production Cross Section



41-Nb-89m

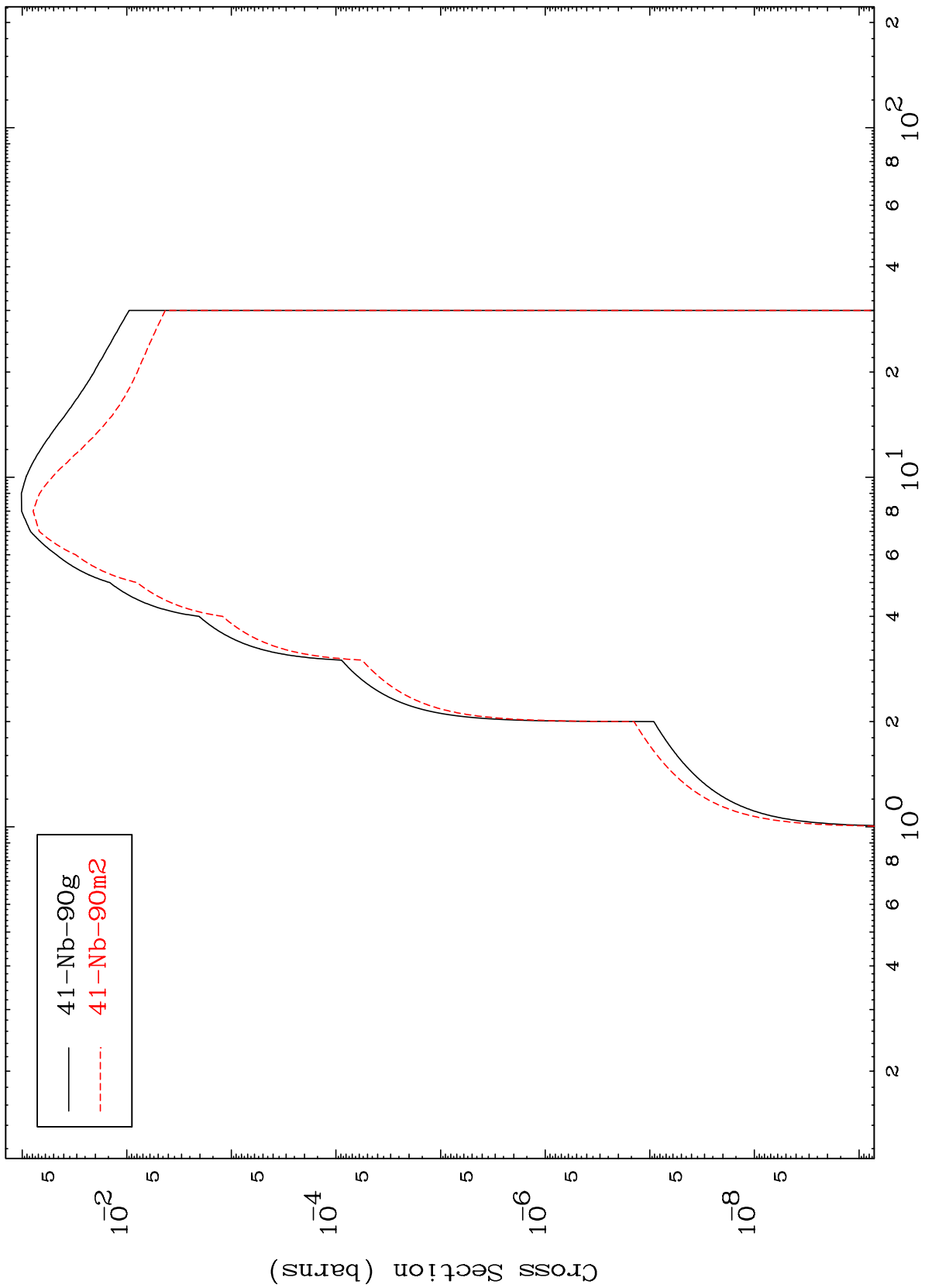
Incident Energy (MeV)

22

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41-Nb-89m

(n,p)
Radionuclide Production Cross Section



— 41-Nb-90g
- - - 41-Nb-90m2

41-Nb-89m

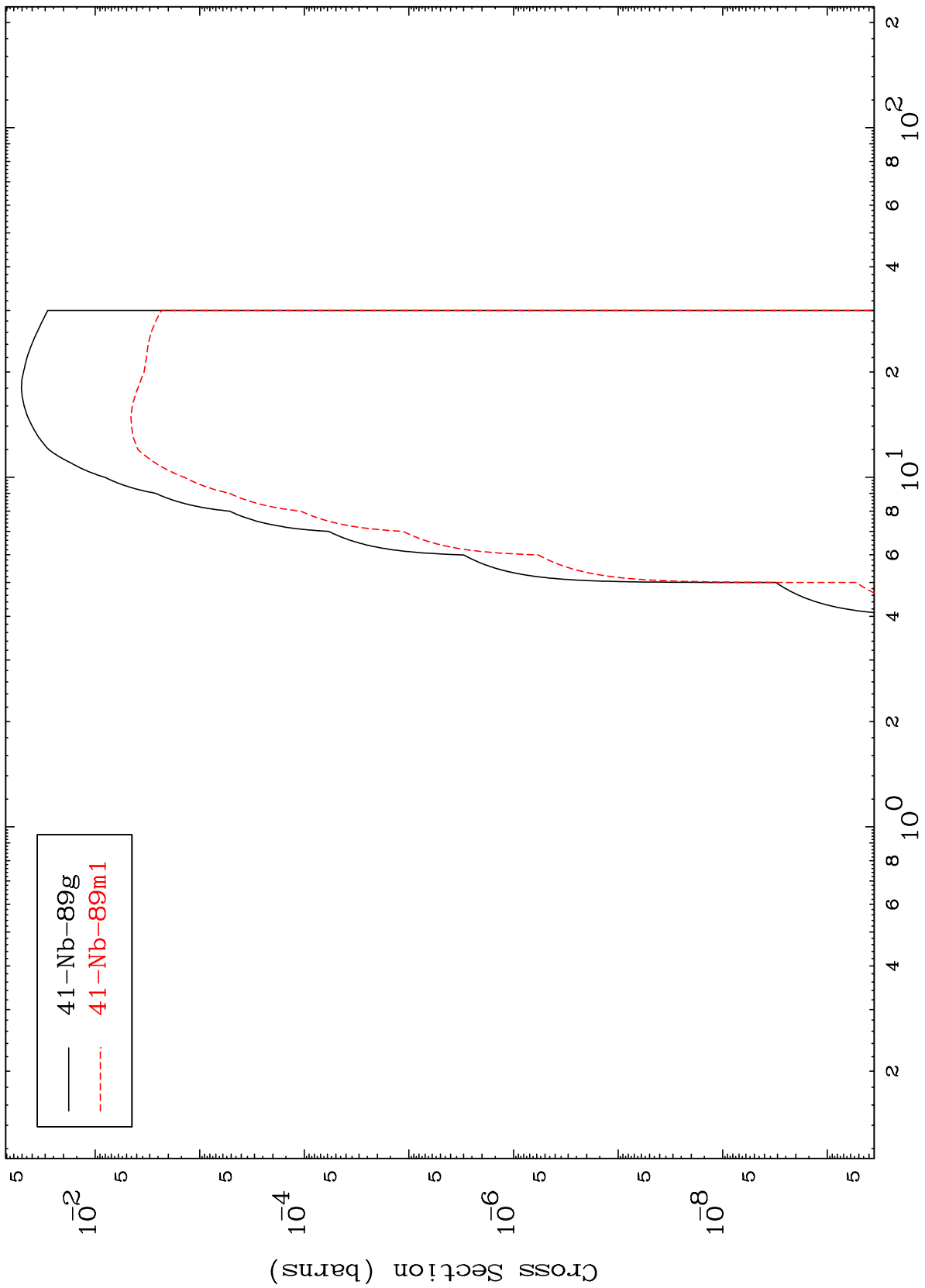
Incident Energy (MeV)

23

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41-Nb-89m

(n,d)
Radionuclide Production Cross Section



41-Nb-89m

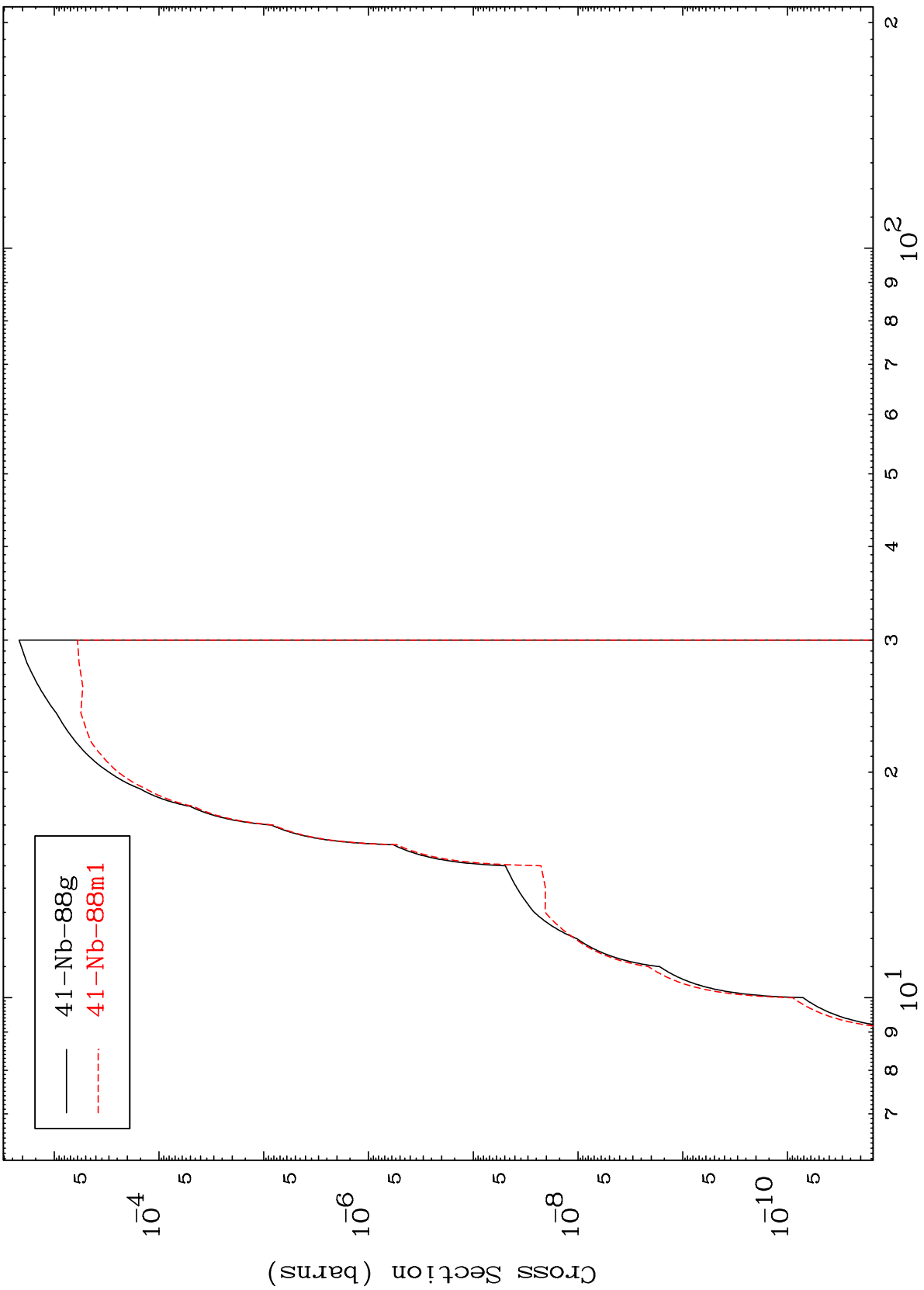
Incident Energy (MeV)

24

MAT 4114

41-Nb-89m

Radionuclide Production Cross Section



25

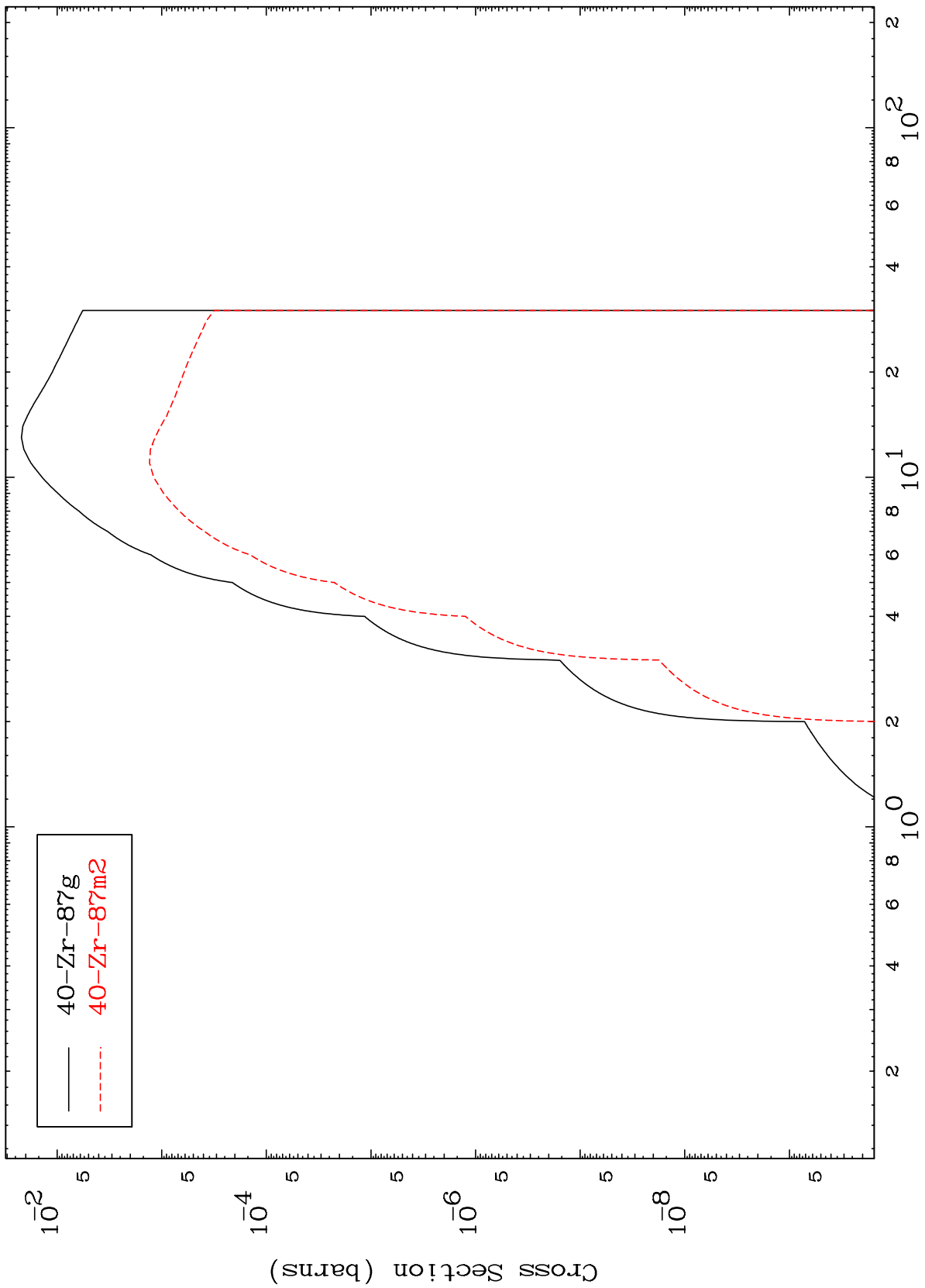
Incident Energy (MeV)

41-Nb-89m

MAT 4114

41-Nb-89m

Radionuclide Production Cross Section
(n, α)



— 40-Zr-87g
- - - 40-Zr-87m2

41-Nb-89m

Incident Energy (MeV)

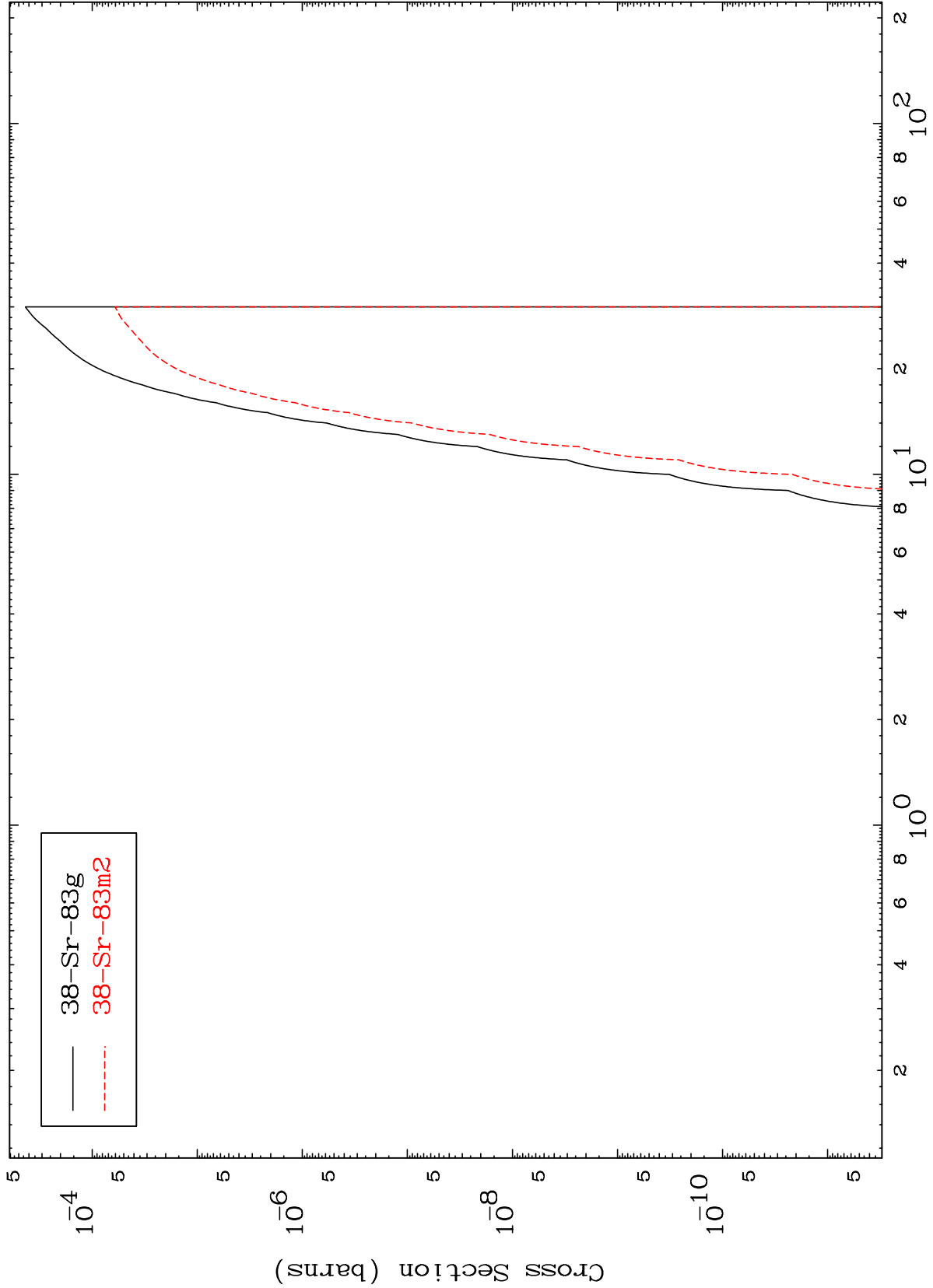
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(n,2α)

41-Nb-89m

Radionuclide Production Cross Section

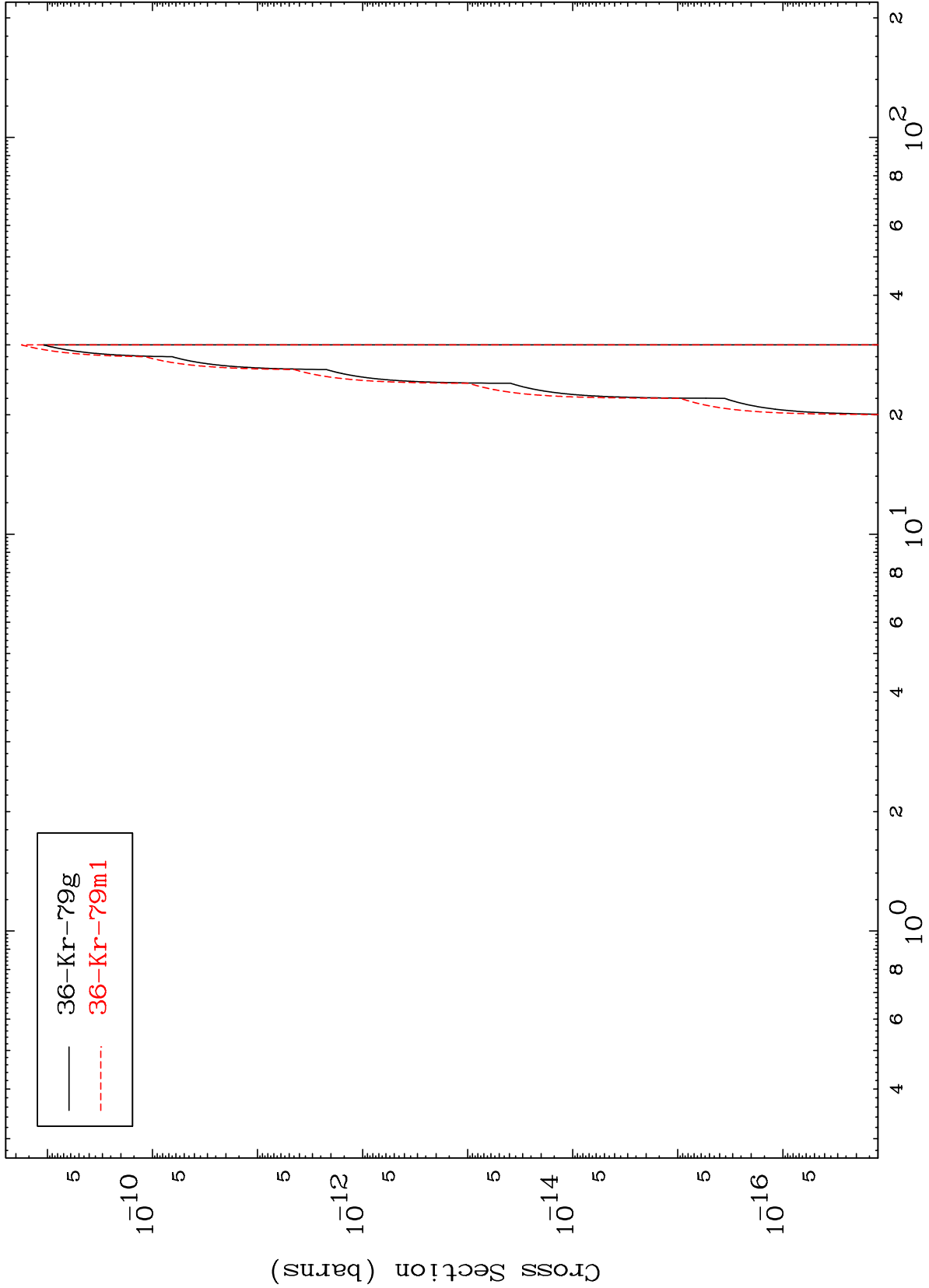


MAT 4114

(n, 3α)

41-Nb-89m

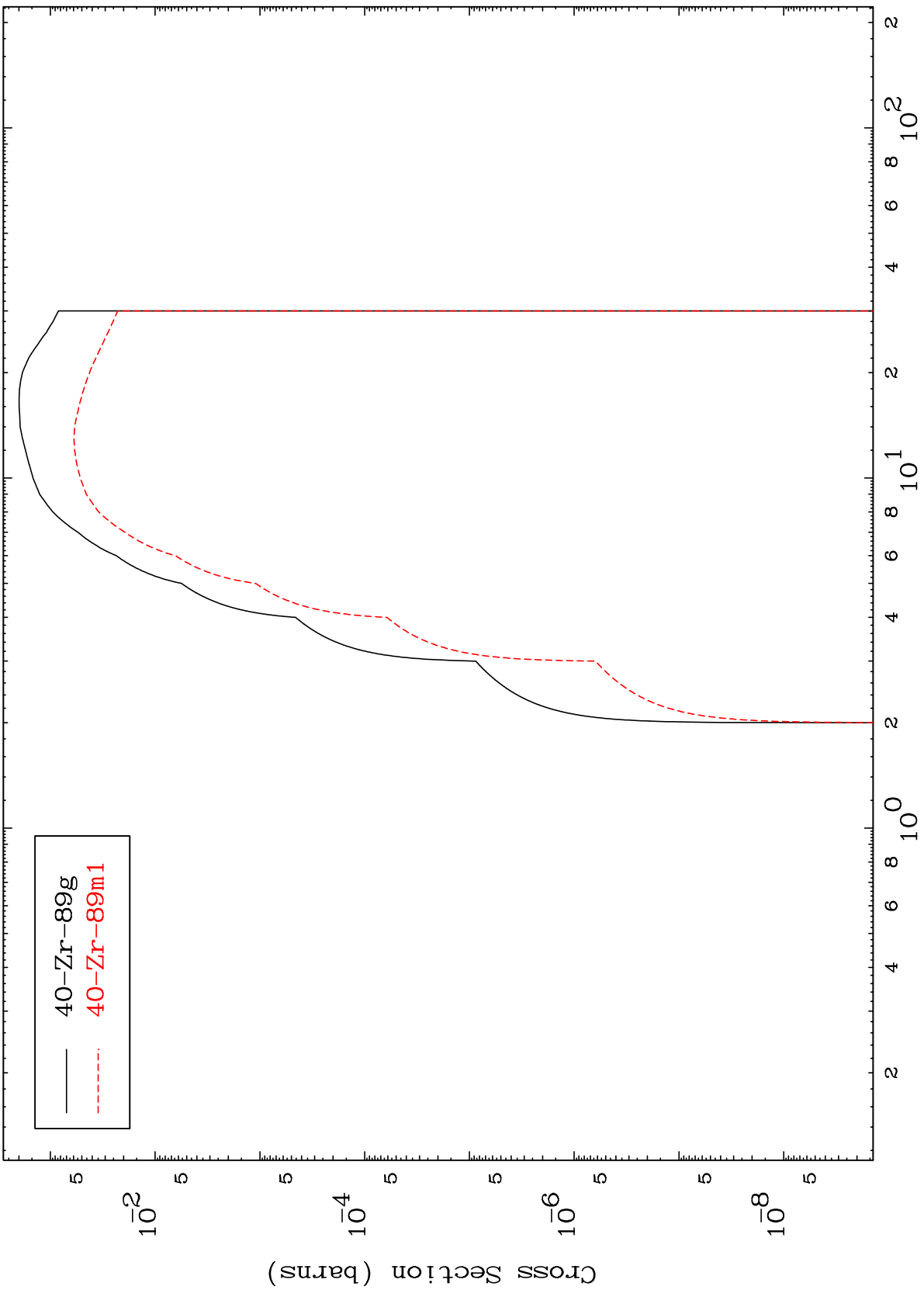
Radionuclide Production Cross Section



MAT 4114

41-Nb-89m

(n,2p)
Radionuclide Production Cross Section



— 40-Zr-89g
- - - 40-Zr-89m1

29

Incident Energy (MeV)

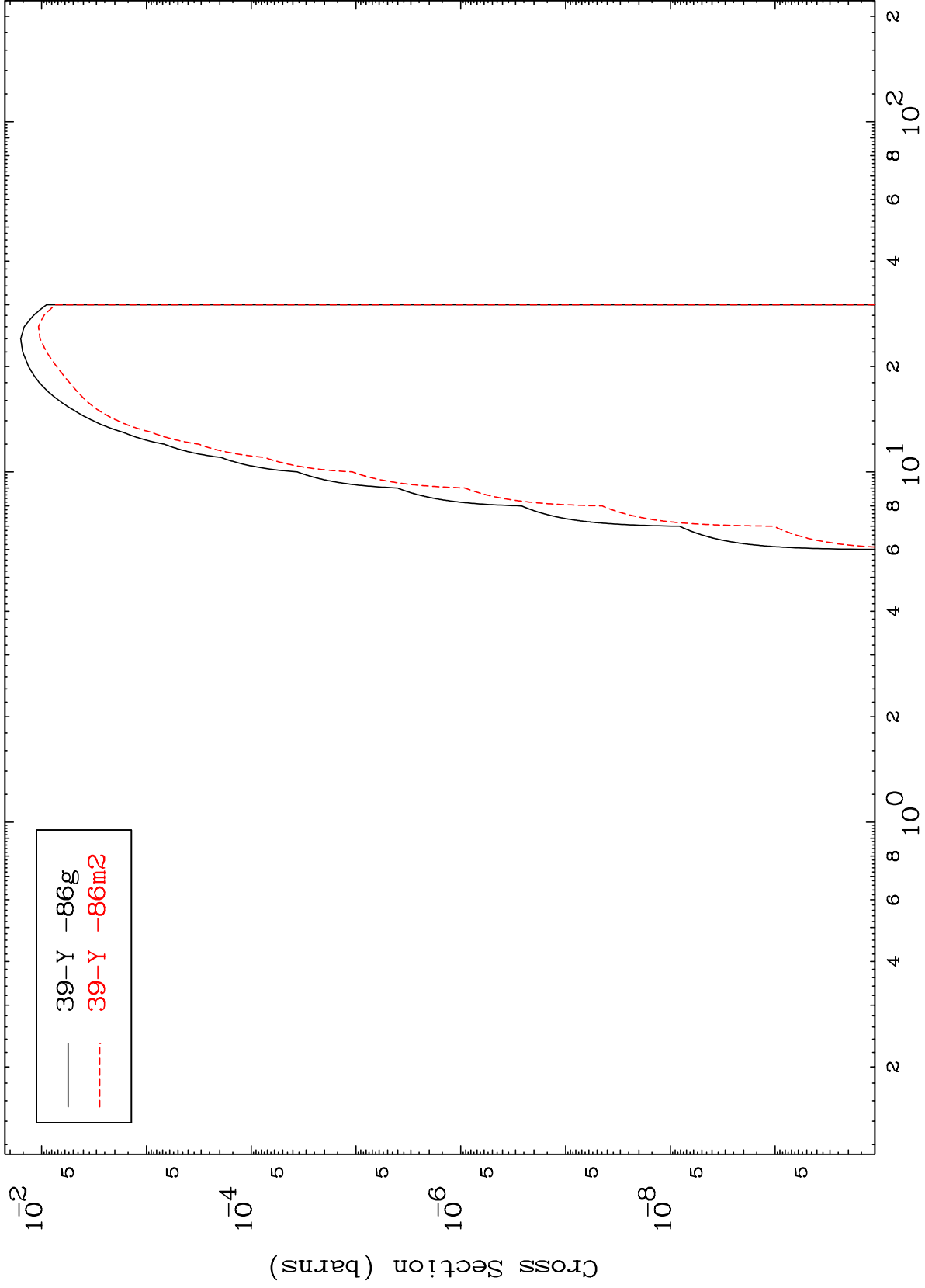
41-Nb-89m

MAT 4114

(n,p) α

41-Nb-89m

Radionuclide Production Cross Section



30

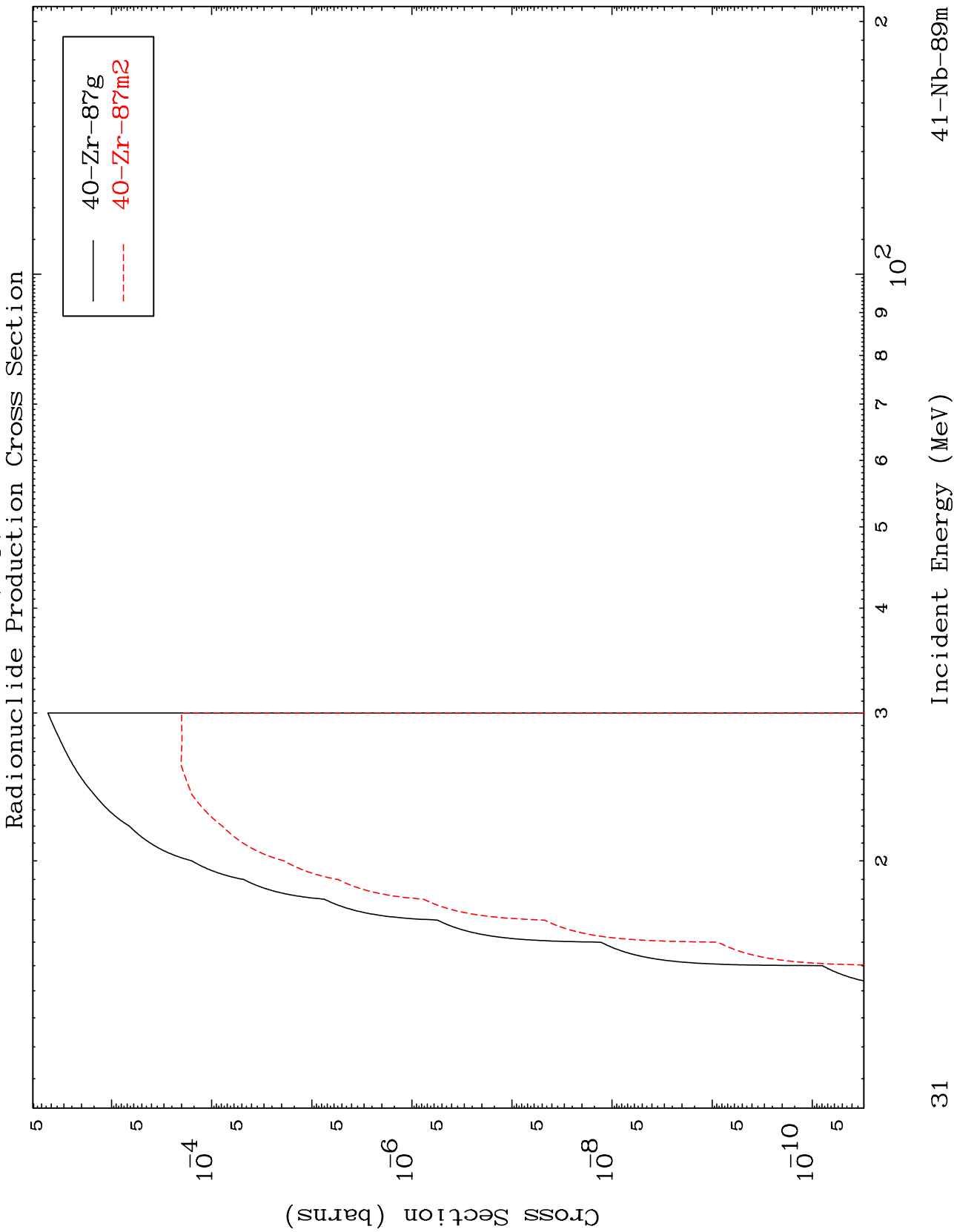
Incident Energy (MeV)

41-Nb-89m

MAT 4114

(n,p) t

41-Nb-89m



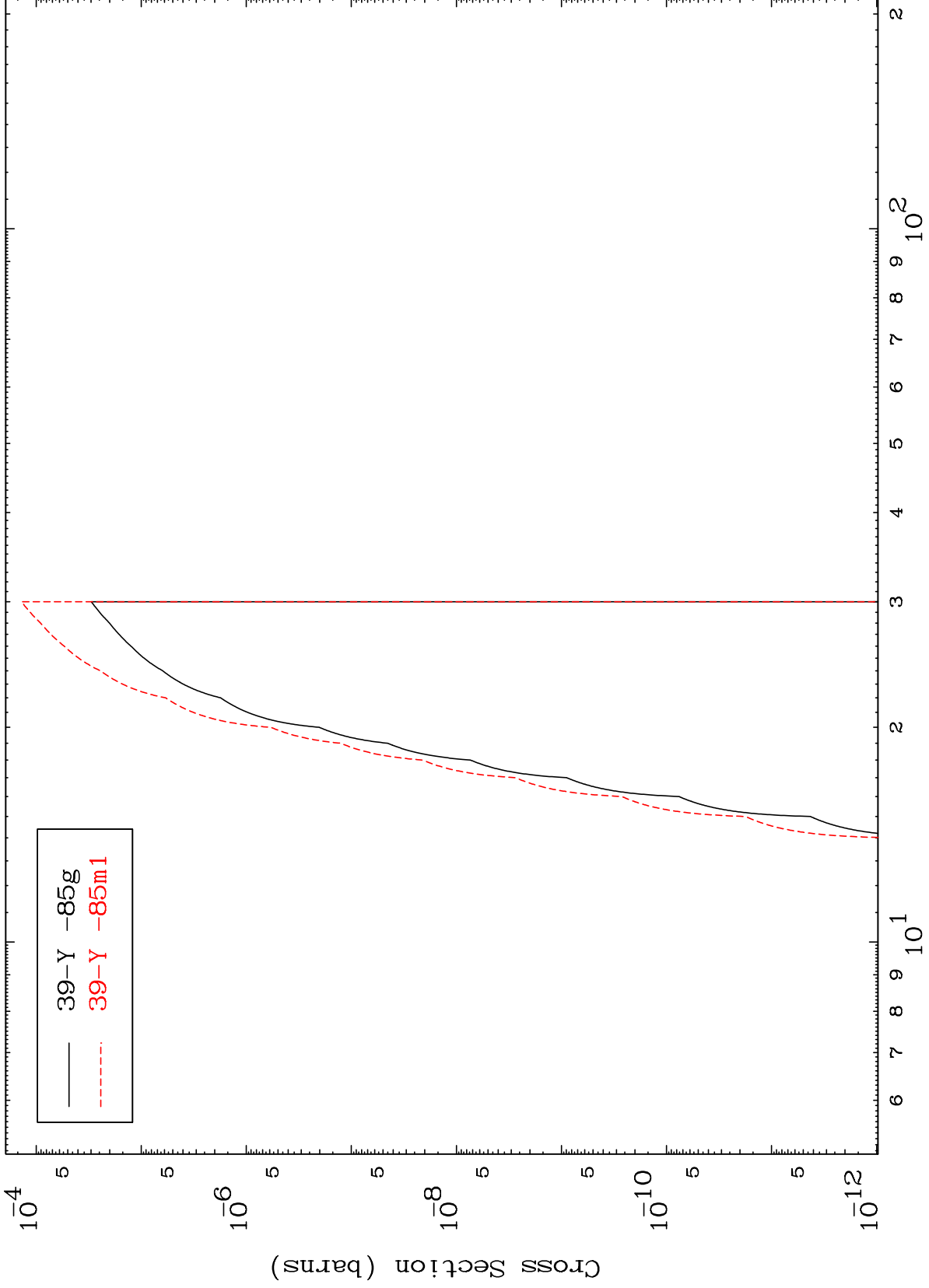
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MAT 4114

(n,d) α

41-Nb-89m

Radionuclide Production Cross Section



32

Incident Energy (MeV)

41-Nb-89m