

Program EVALPLOT
(Version 2021-1)

by

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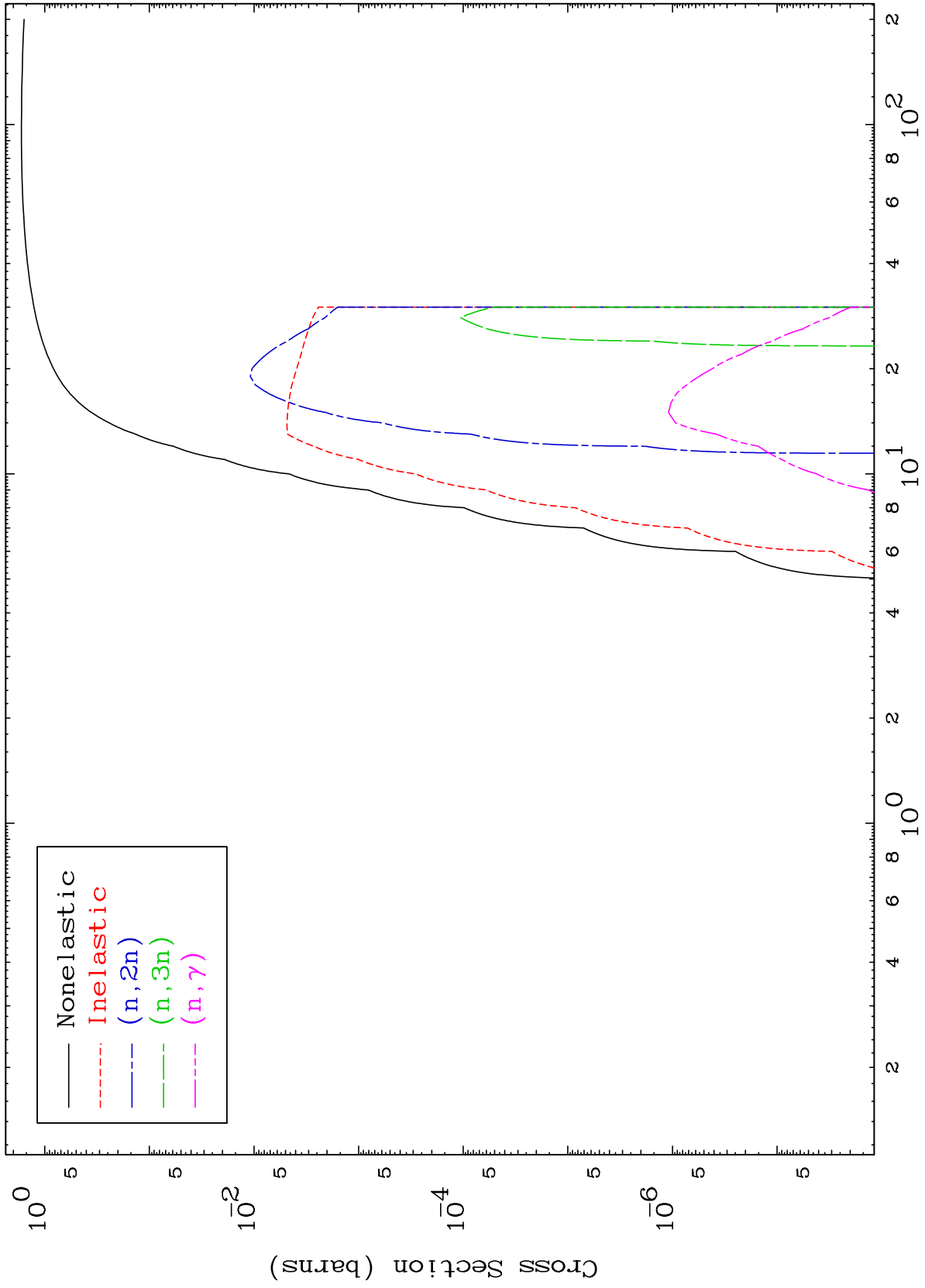
Press Mouse Button to Start

MAT 4114

He-3 Major

41-Nb-89m

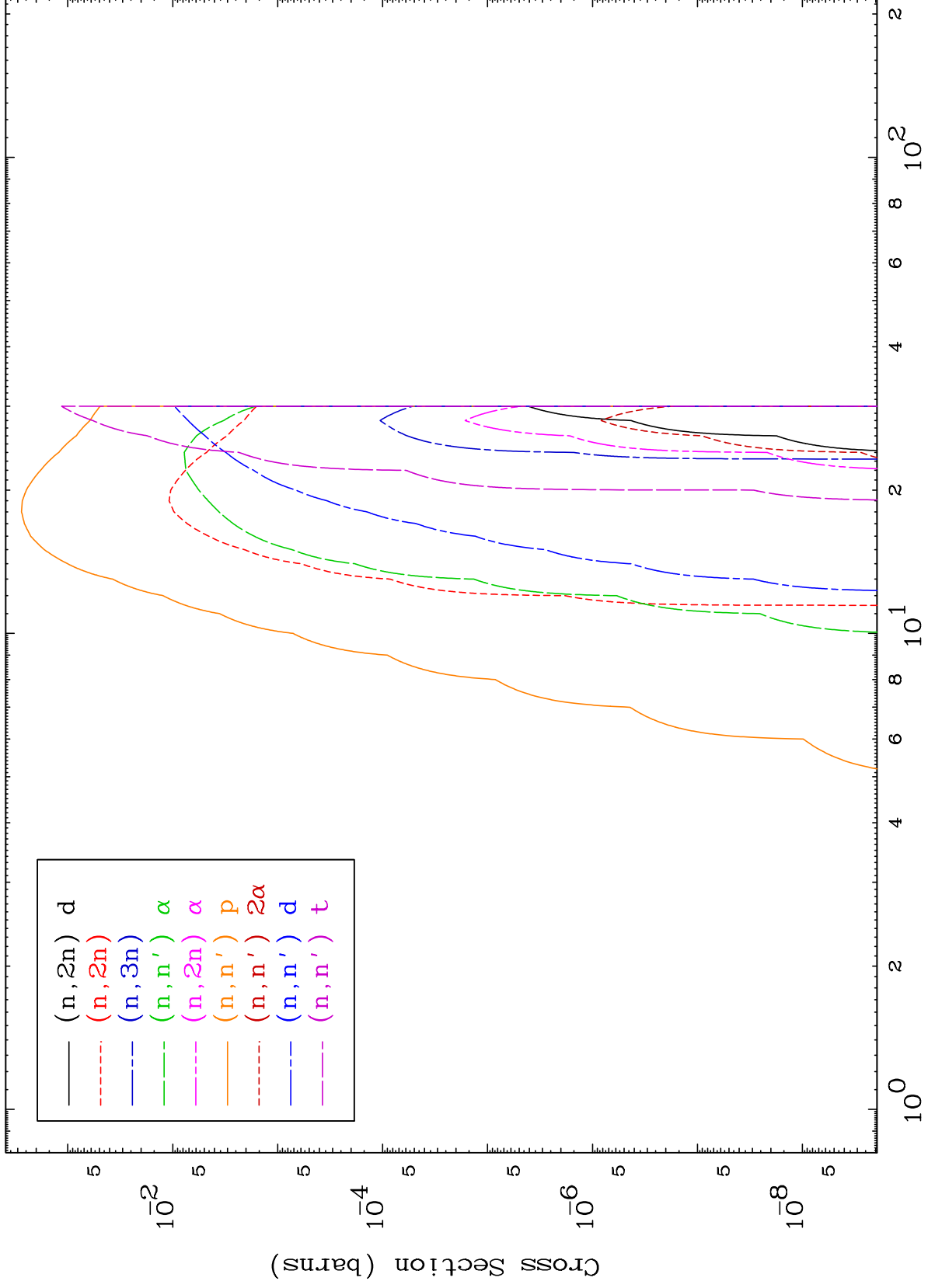
0 Kelvin Cross Sections



MAT 4114

He-3 Neutron Absorption
0 Kelvin Cross Sections

41-Nb-89m



—	$(n, 2n) d$
- - -	$(n, 2n)$
- · - ·	$(n, 3n)$
- · - · - ·	$(n, n') \alpha$
- - - - -	$(n, 2n) \alpha$
—	$(n, n') p$
- - -	$(n, n') 2\alpha$
- · - ·	$(n, n') d$
- - - - -	$(n, n') t$

41-Nb-89m

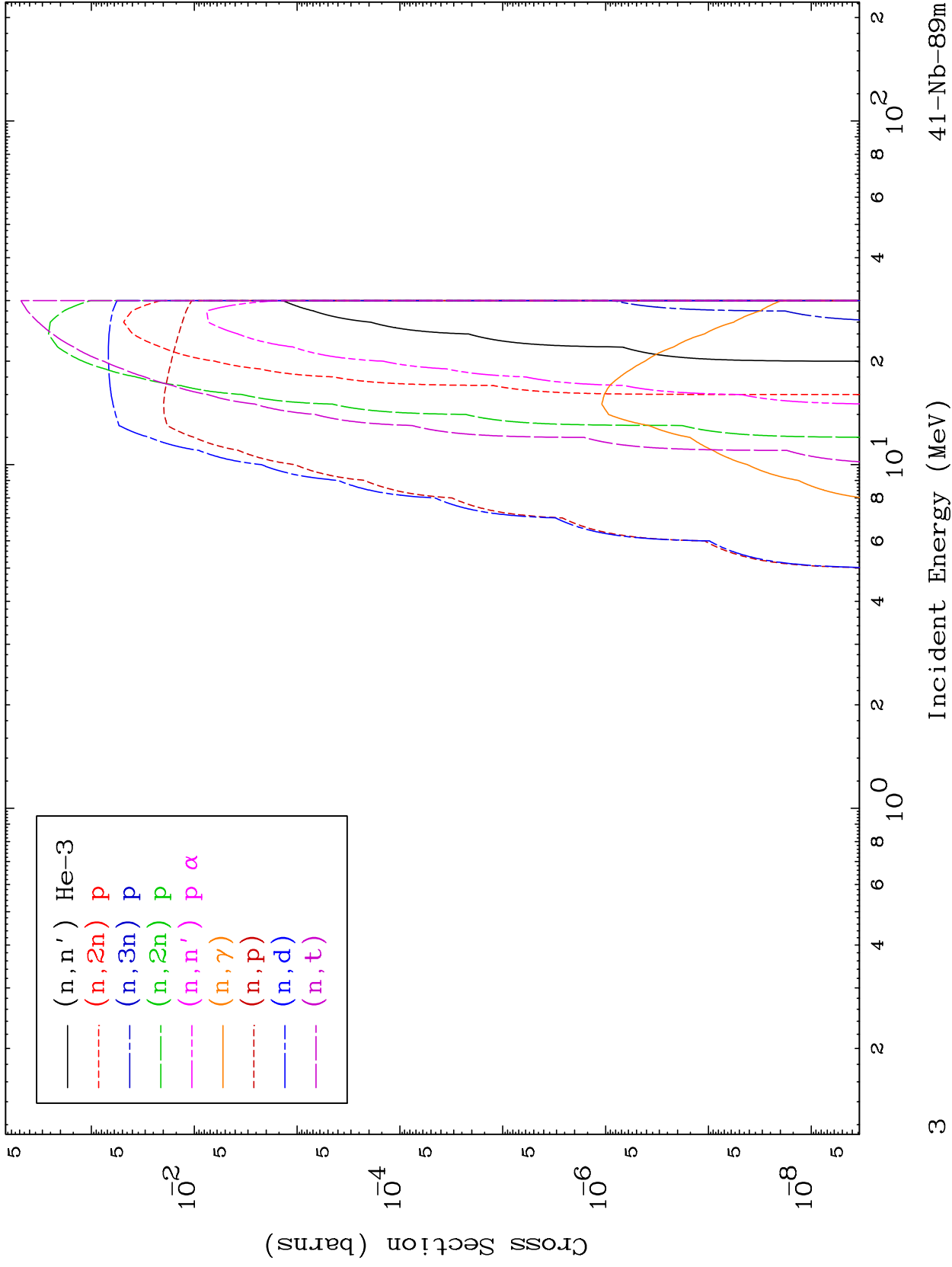
Incident Energy (MeV)

2

MAT 4114

He-3 Neutron Absorption
0 Kelvin Cross Sections

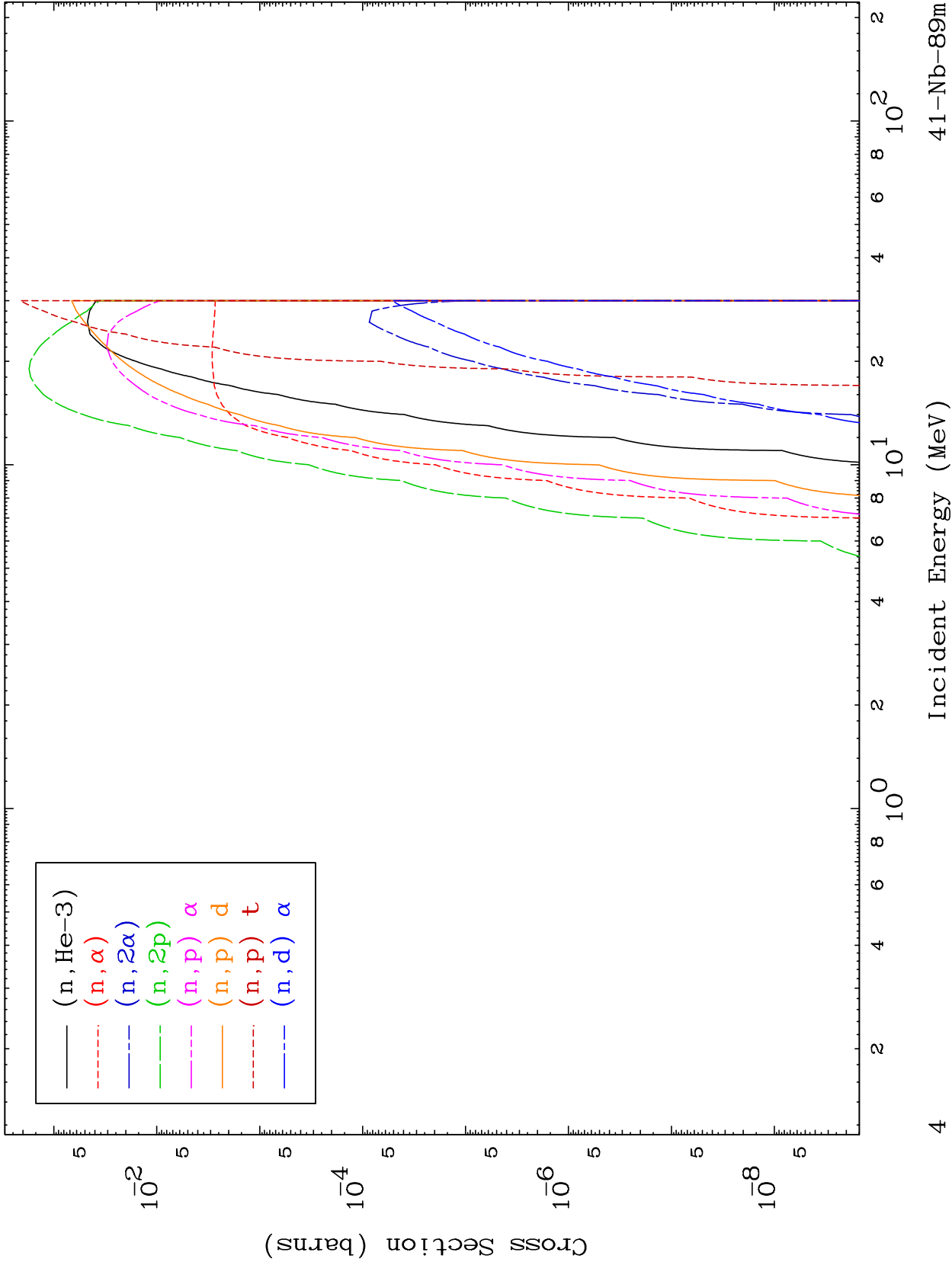
41-Nb-89m



MAT 4114

He-3 Neutron Absorption
0 Kelvin Cross Sections

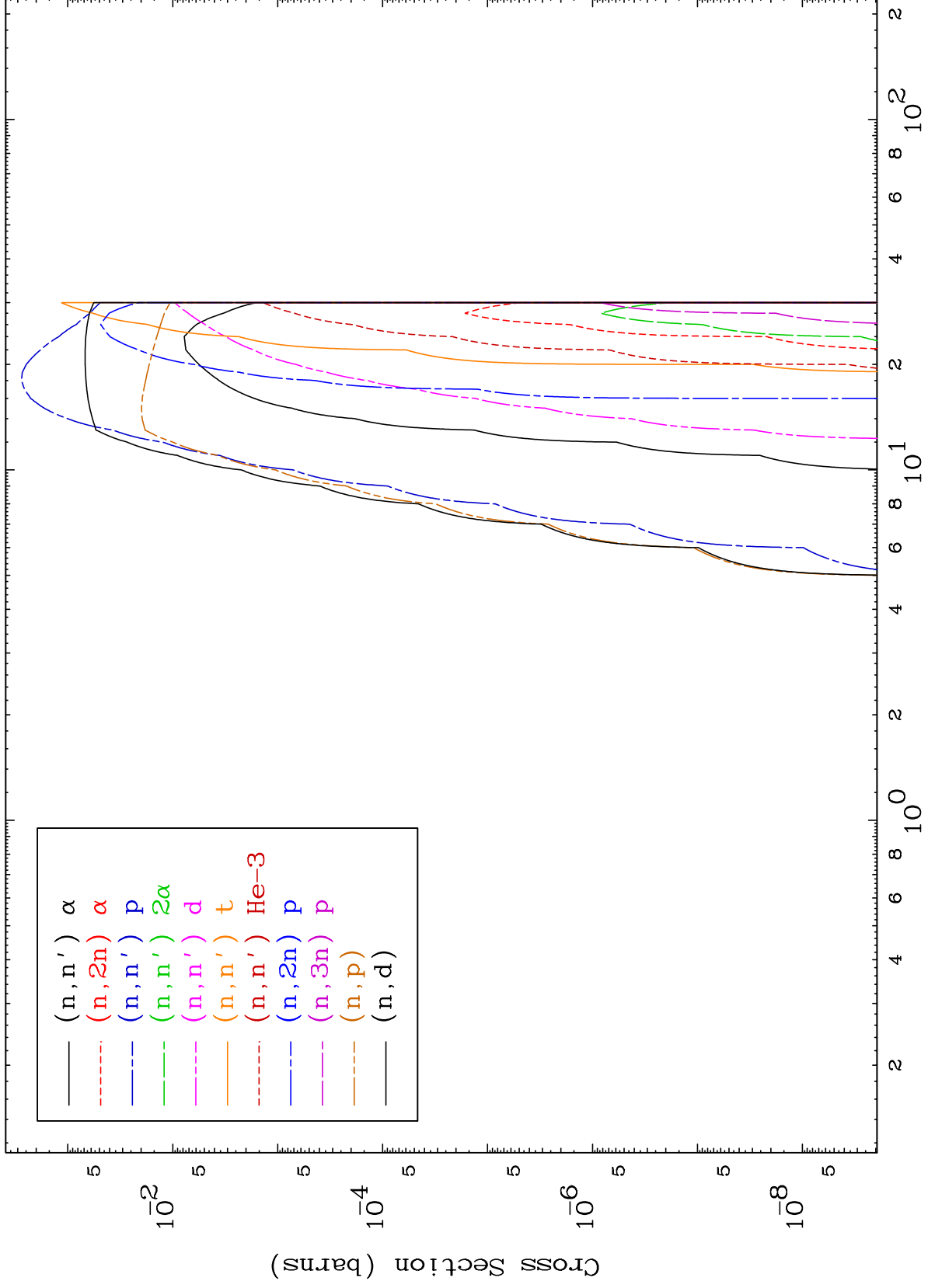
41-Nb-89m



MAT 4114

He-3 Charged Particle
0 Kelvin Cross Sections

41-Nb-89m



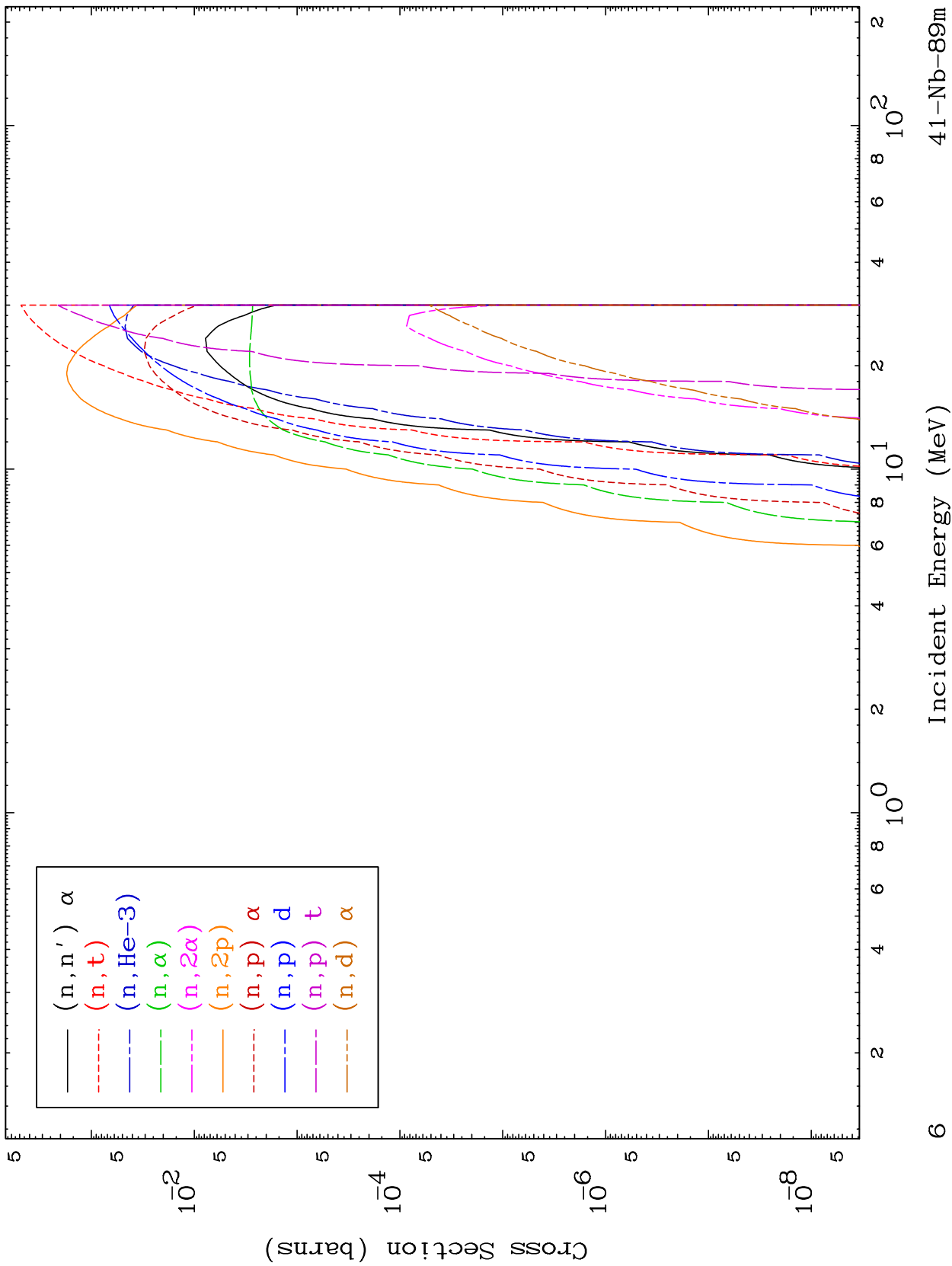
Incident Energy (MeV)

41-Nb-89m

MAT 4114

He-3 Charged Particle
0 Kelvin Cross Sections

41-Nb-89m

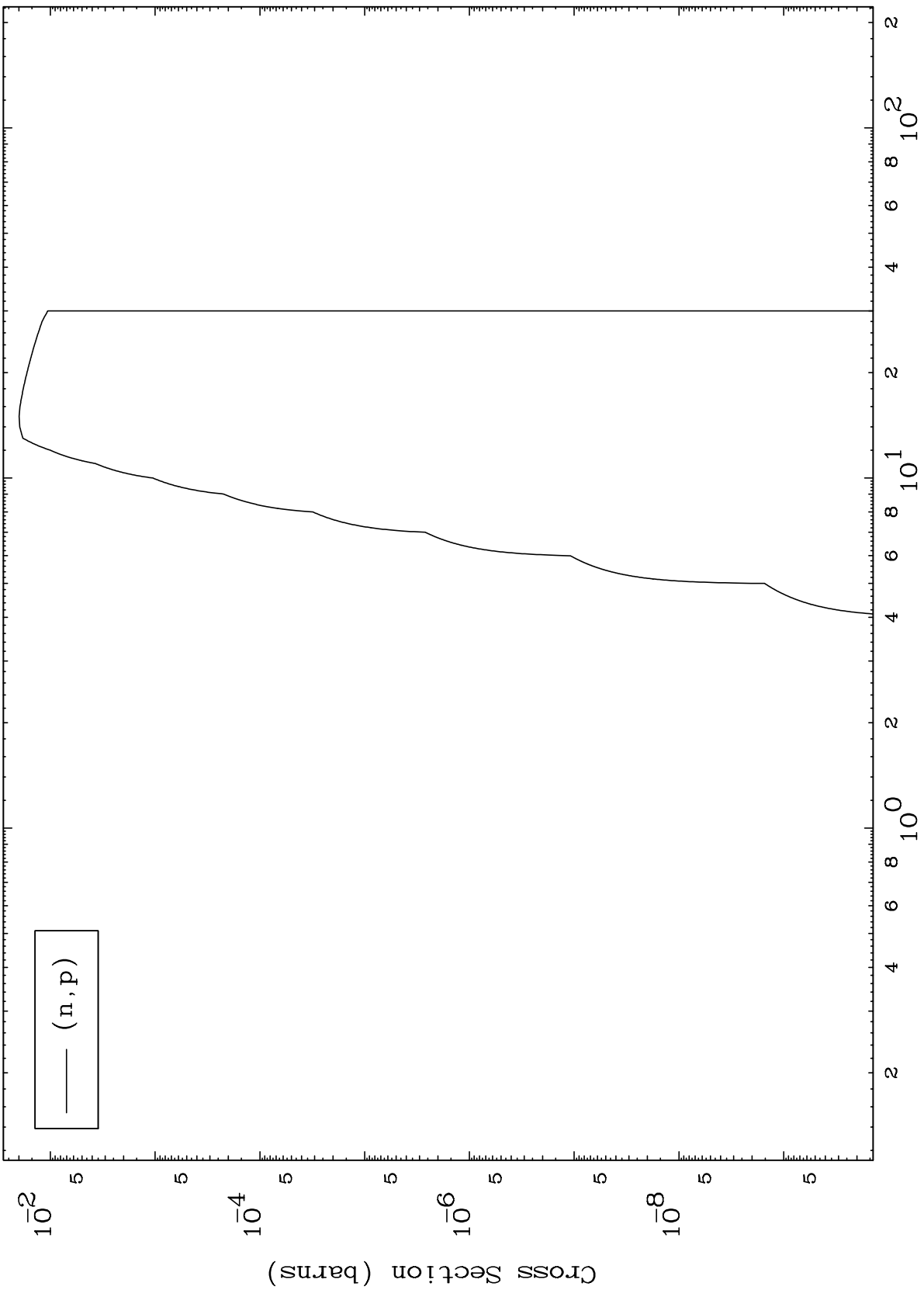


MAT 4114

(He-3,p) Levels

41-Nb-89m

0 Kelvin Cross Sections

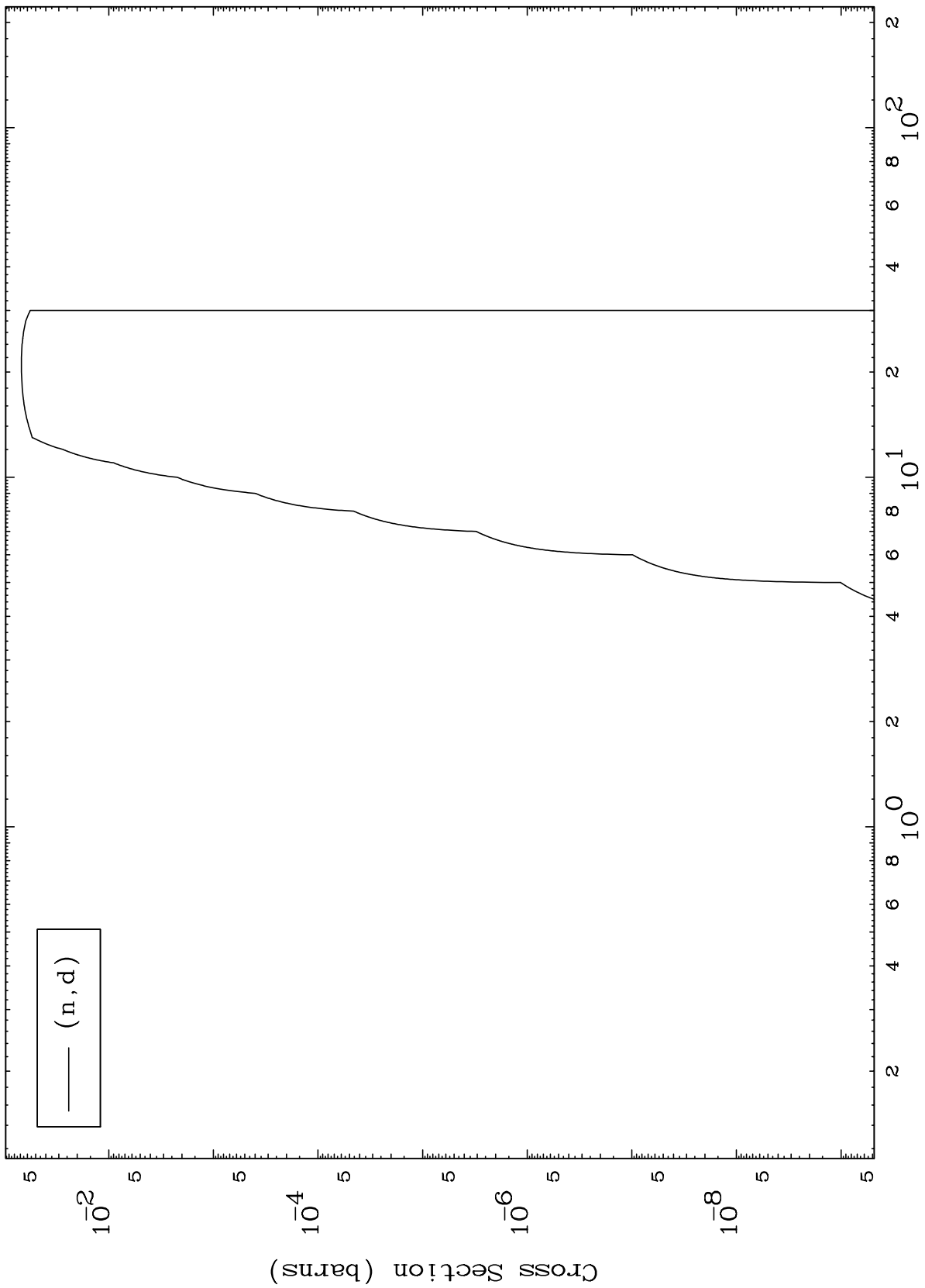


MAT 4114

(He-3,d) Levels

41-Nb-89m

0 Kelvin Cross Sections



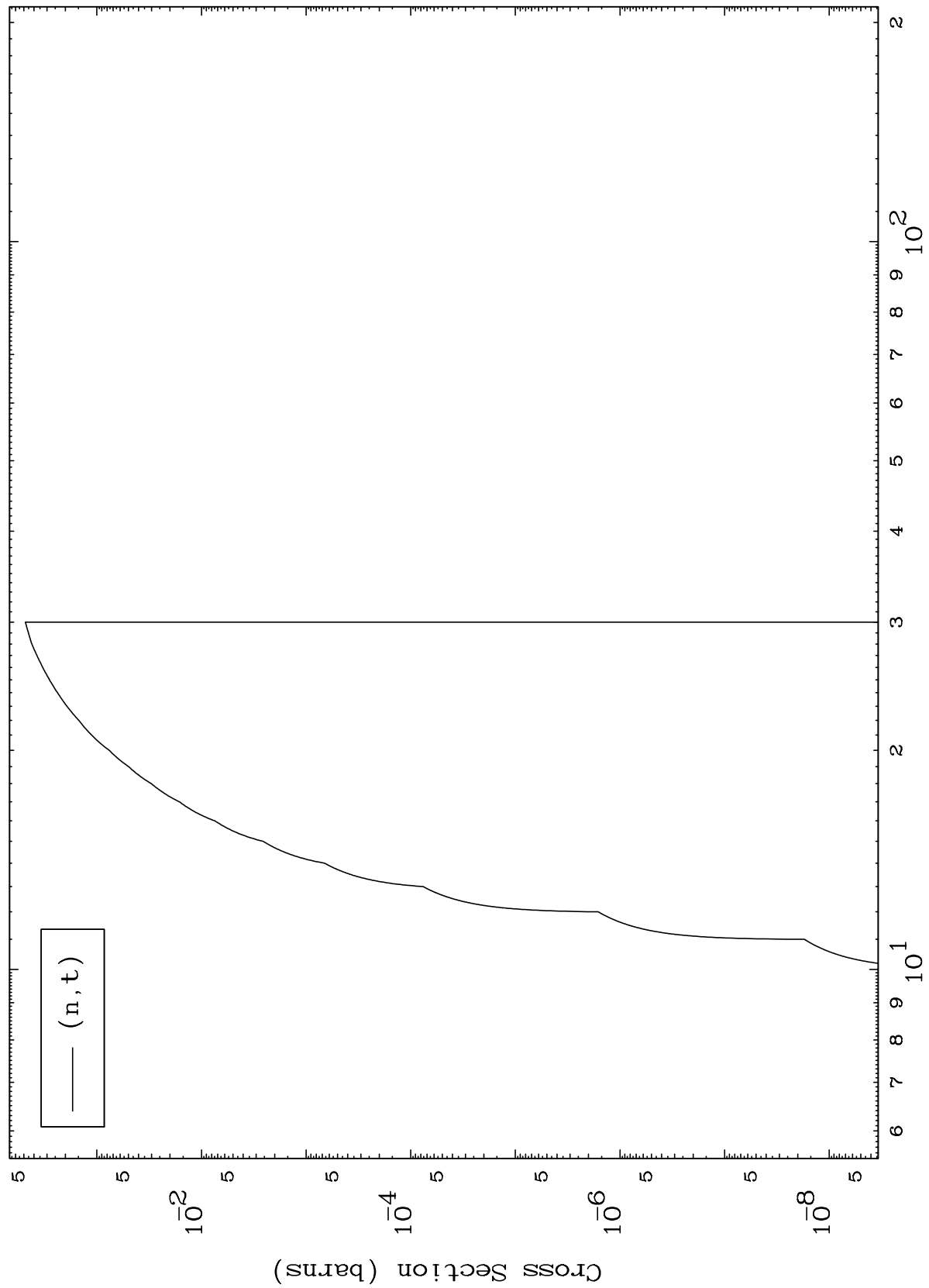
(n,d)

MAT 4114

(He-3,t) Levels

41-Nb-89m

0 Kelvin Cross Sections



(n, t)

9

Incident Energy (MeV)

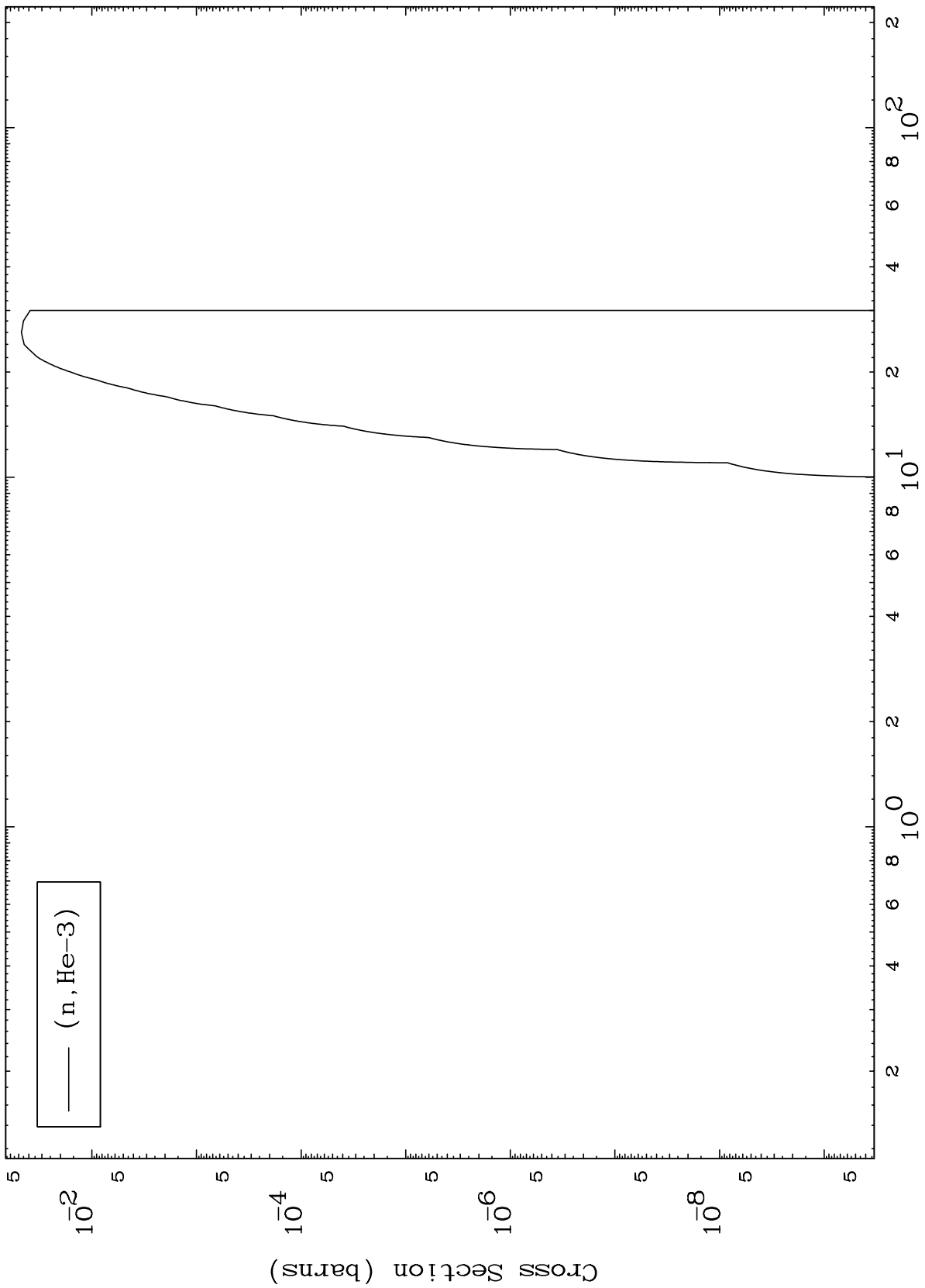
41-Nb-89m

MAT 4114

(He-3, He3) Levels

41-Nb-89m

0 Kelvin Cross Sections



10

Incident Energy (MeV)

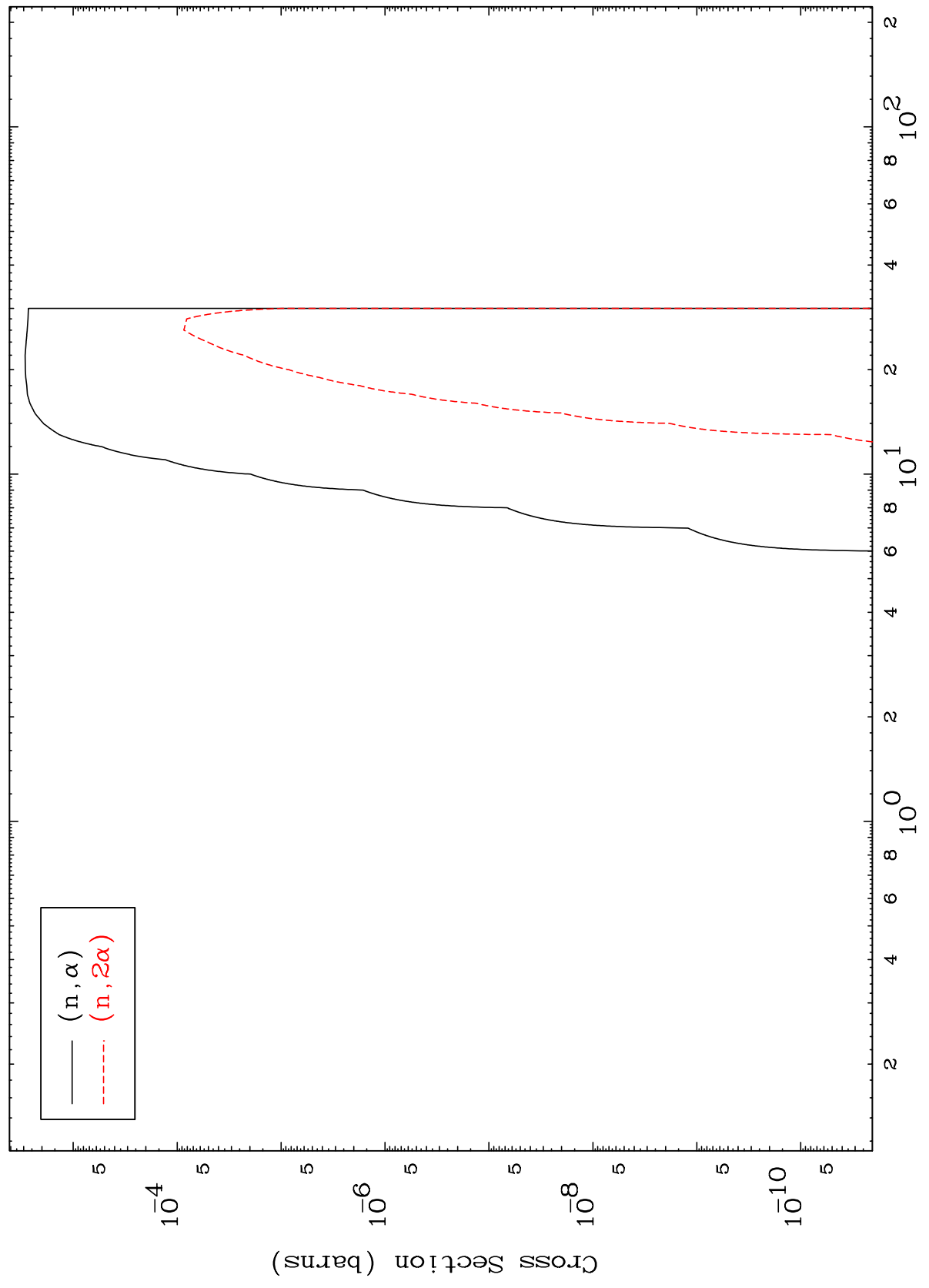
41-Nb-89m

MAT 4114

(He-3, α) Levels

41-Nb-89m

0 Kelvin Cross Sections

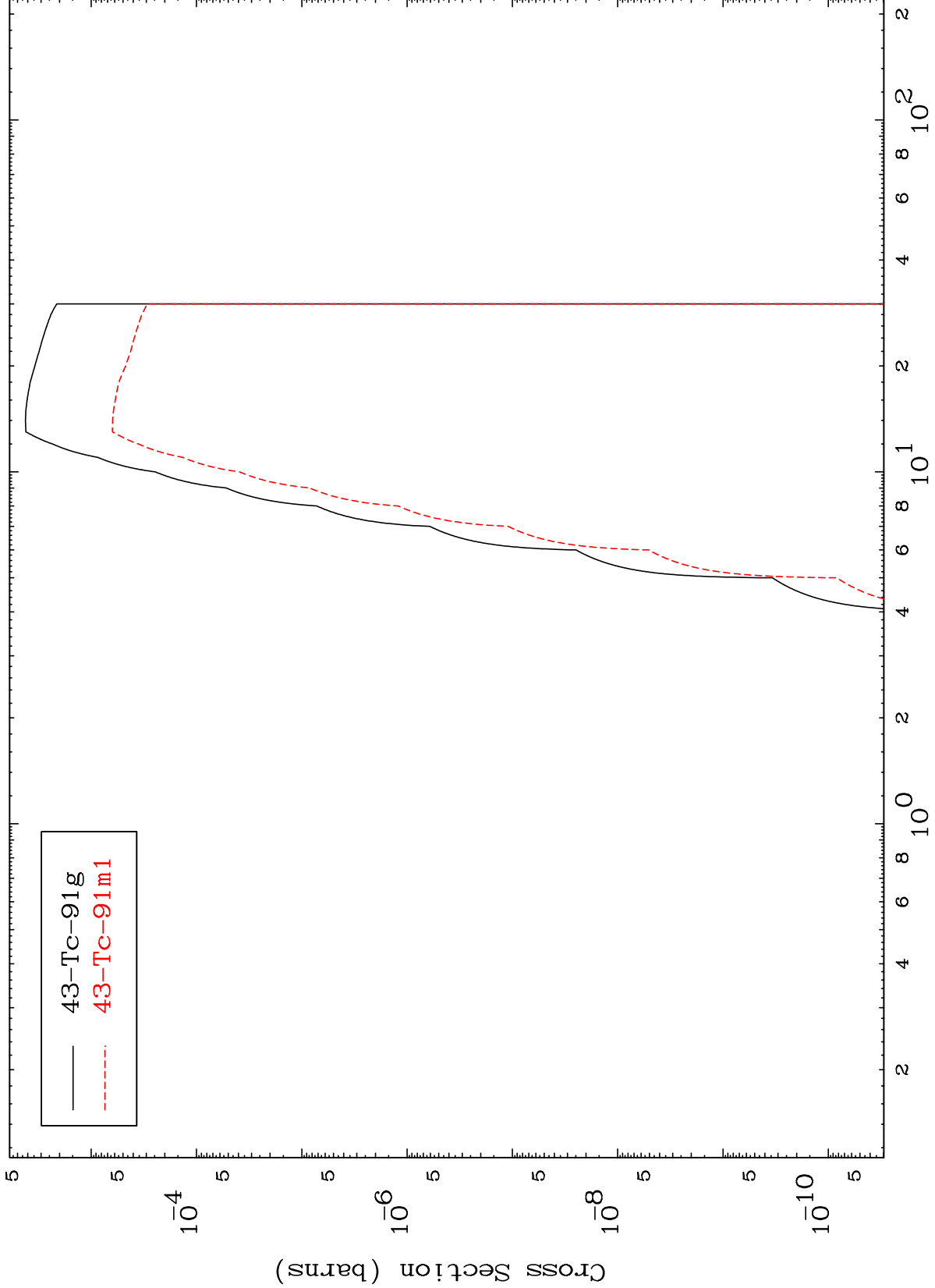


— (n, α)
- - - $(n, 2\alpha)$

MAT 4114

Inelastic
Radionuclide Production Cross Section

41-Nb-89m



12

Incident Energy (MeV)

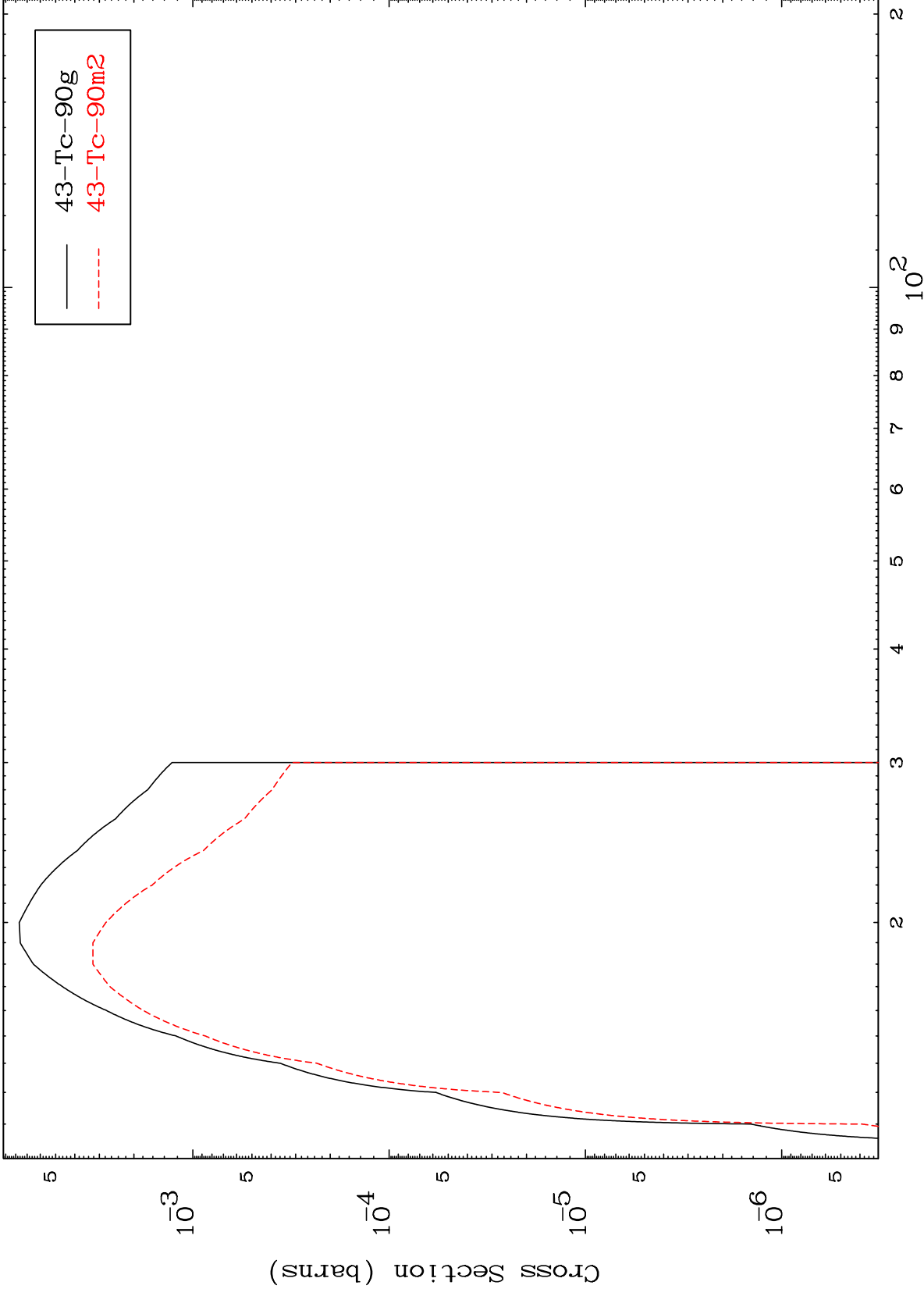
41-Nb-89m

MAT 4114

(n,2n)

41-Nb-89m

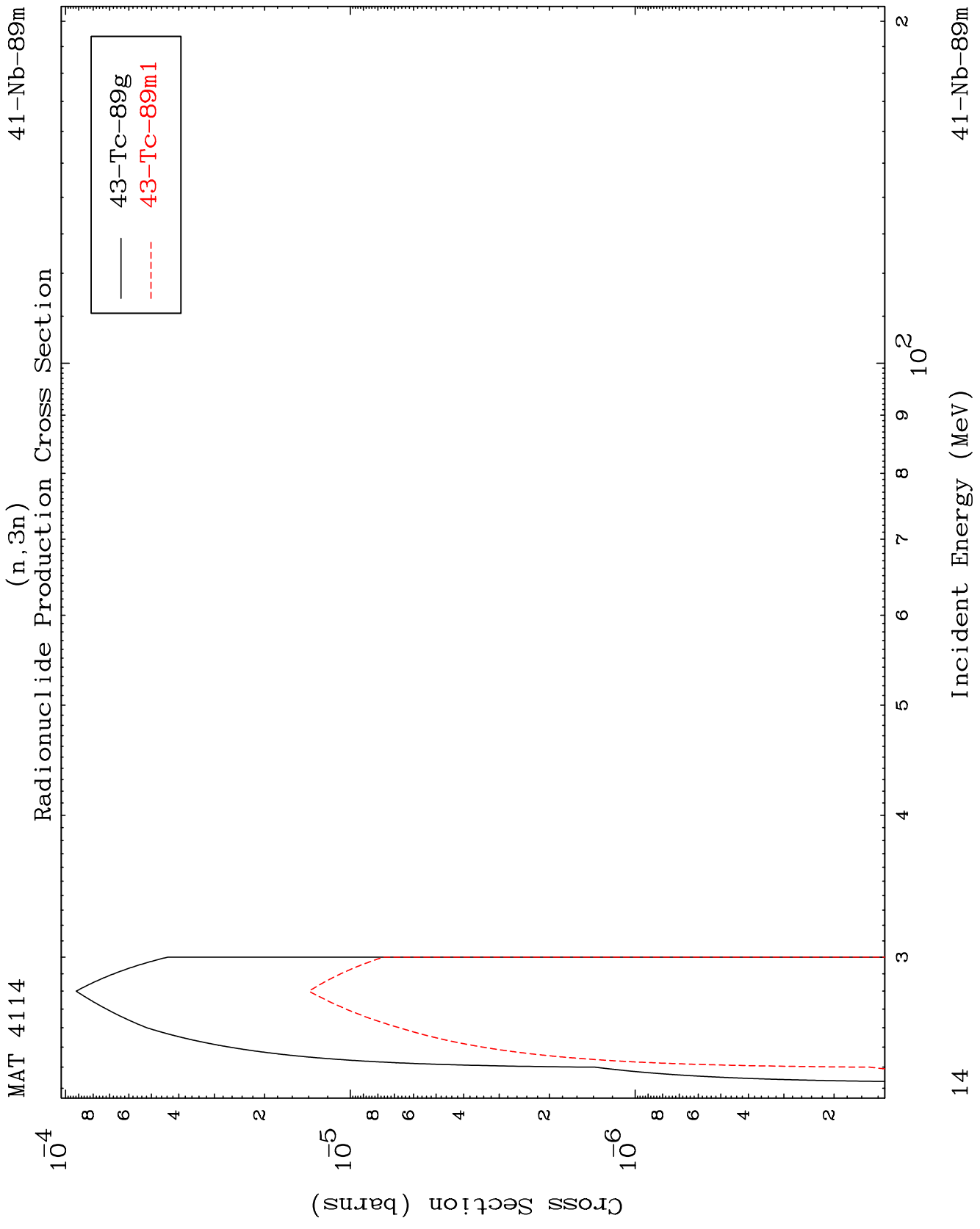
Radionuclide Production Cross Section



13

Incident Energy (MeV)

41-Nb-89m

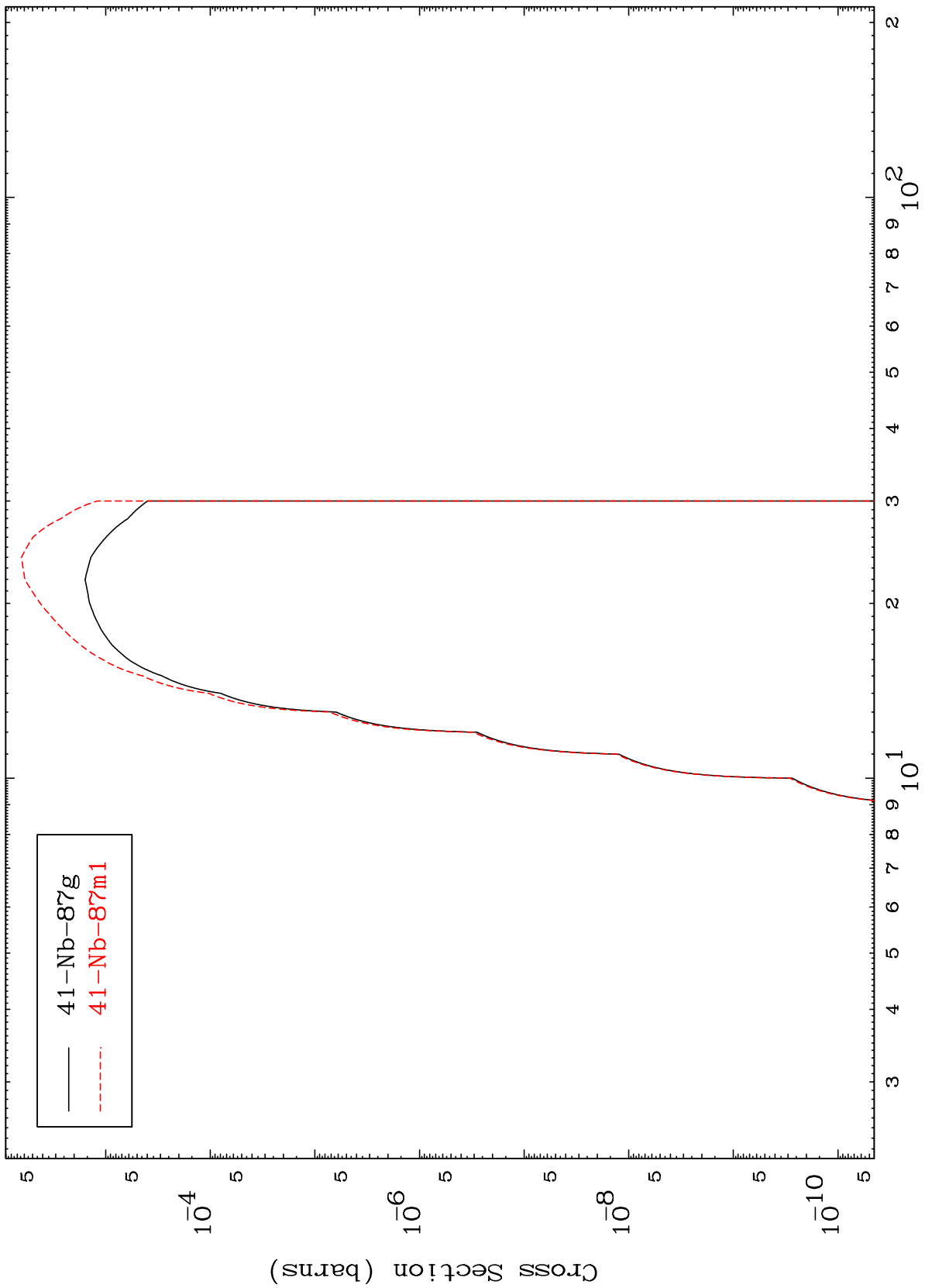


MAT 4114

41-Nb-89m

(n,n') α

Radionuclide Production Cross Section



15

Incident Energy (MeV)

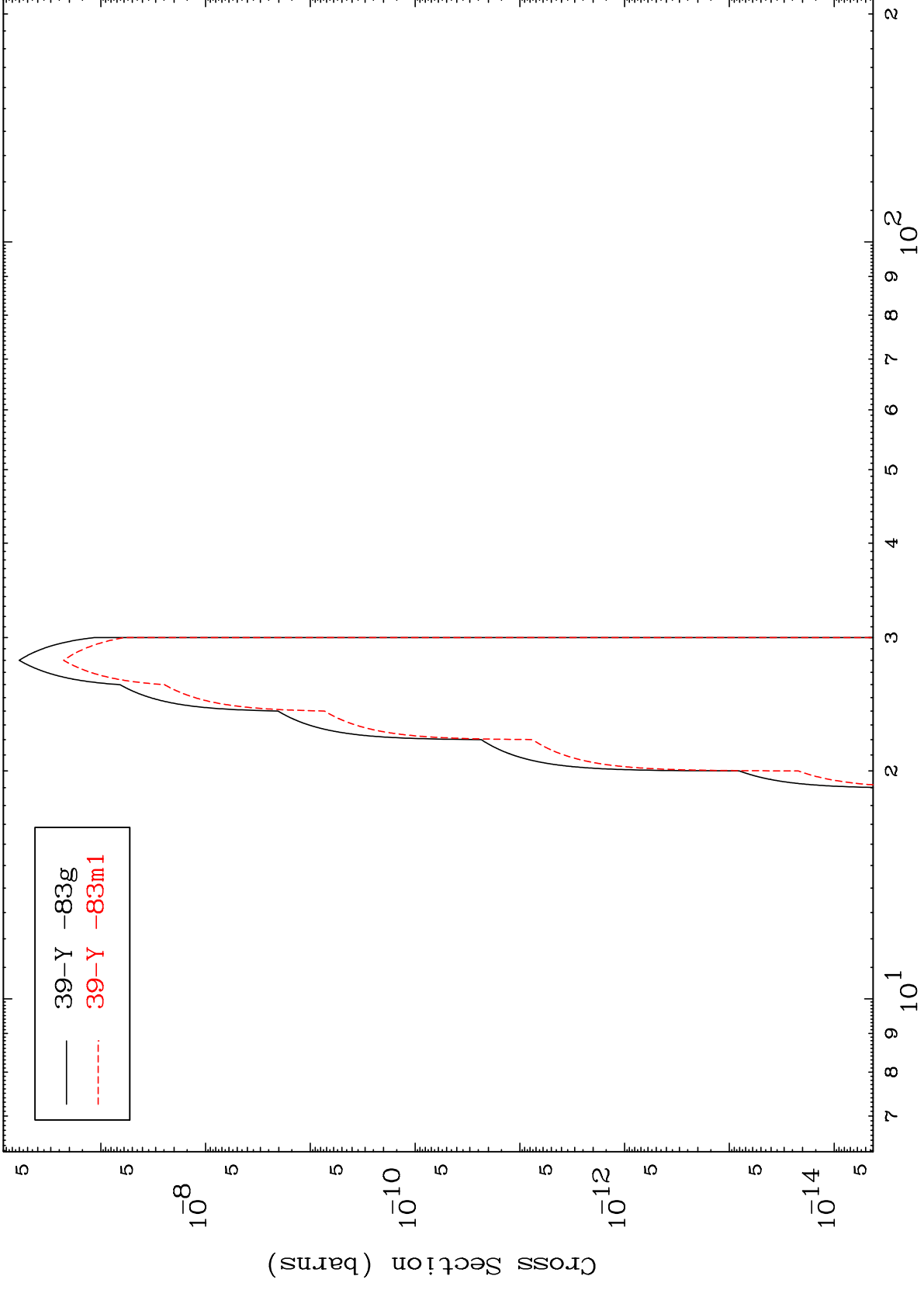
41-Nb-89m

MAT 4114

(n,n') 2α

41-Nb-89m

Radionuclide Production Cross Section

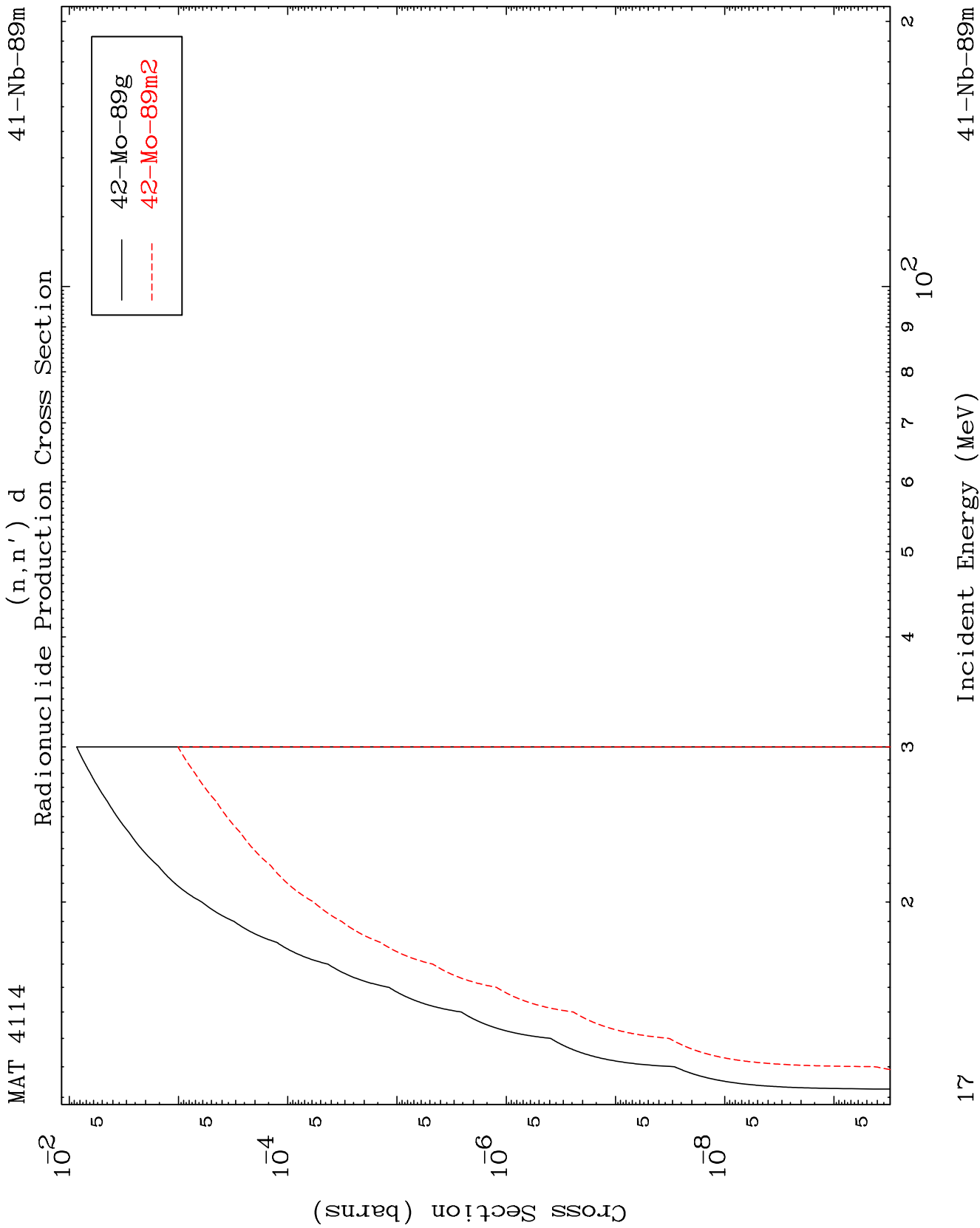


— 39-Y -83g
- - - 39-Y -83m1

16

Incident Energy (MeV)

41-Nb-89m

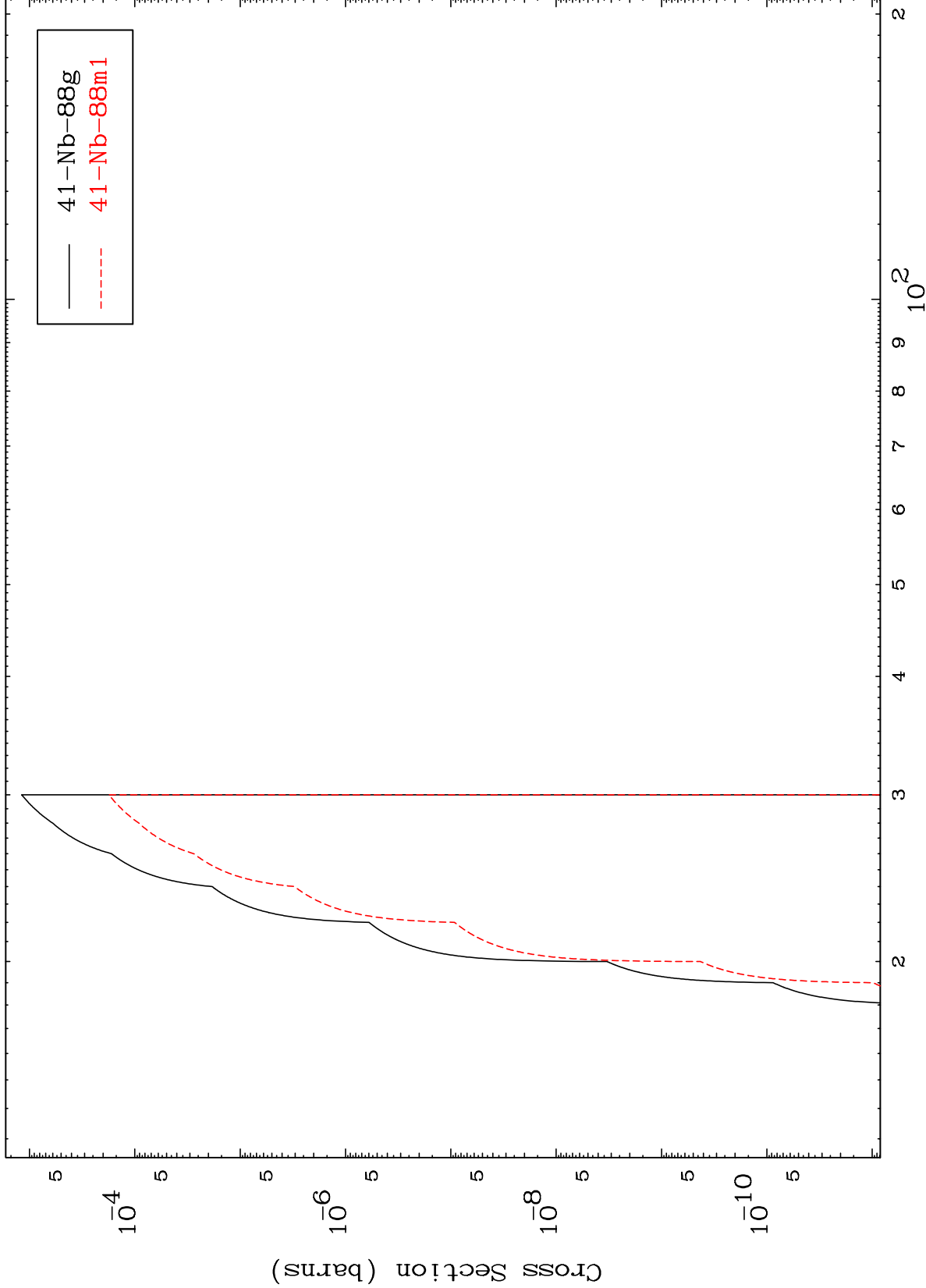


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(n,n') He-3

41-Nb-89m

Radionuclide Production Cross Section



18

Incident Energy (MeV)

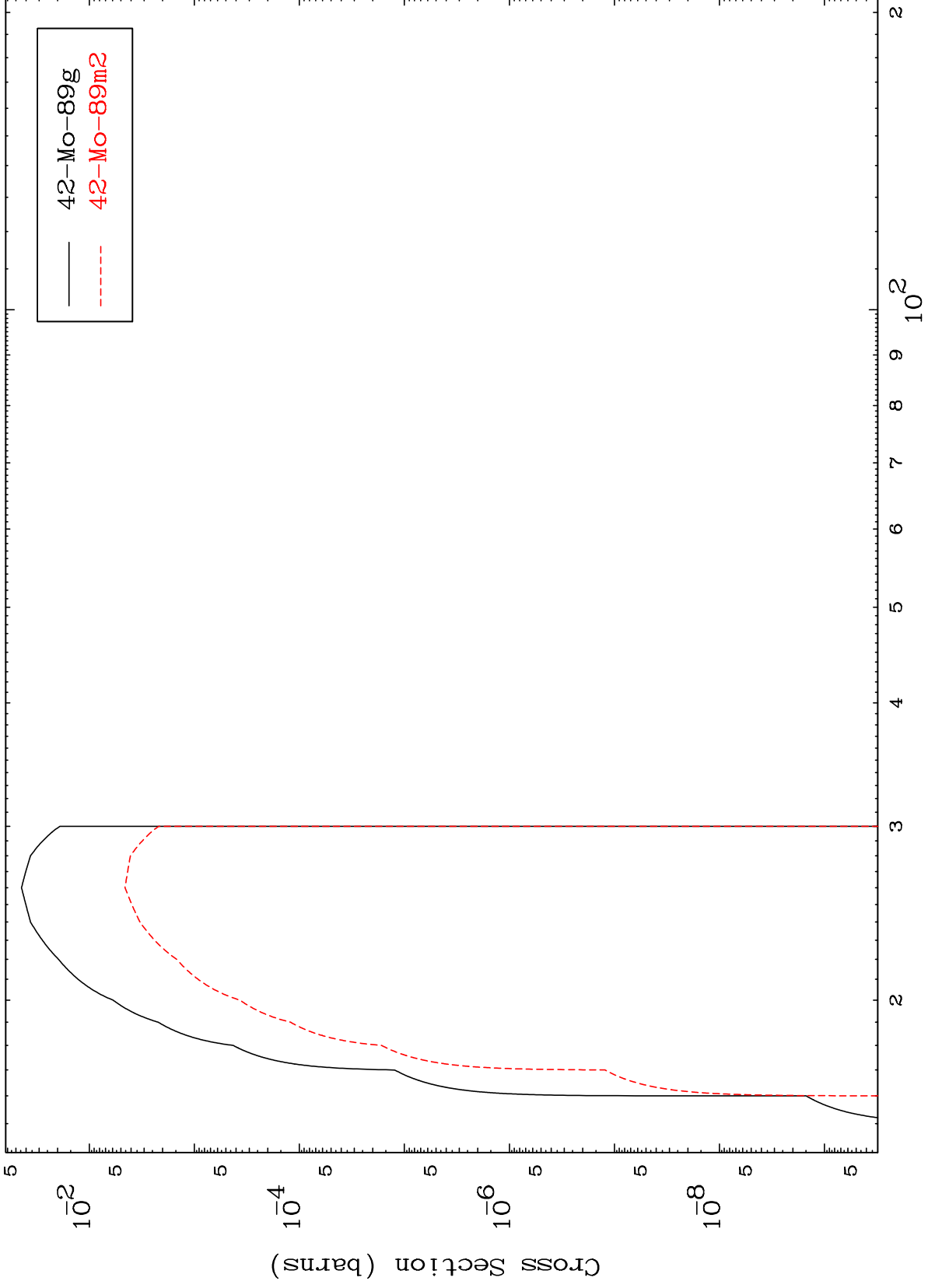
41-Nb-89m

MAT 4114

(n,2n) p

41-Nb-89m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

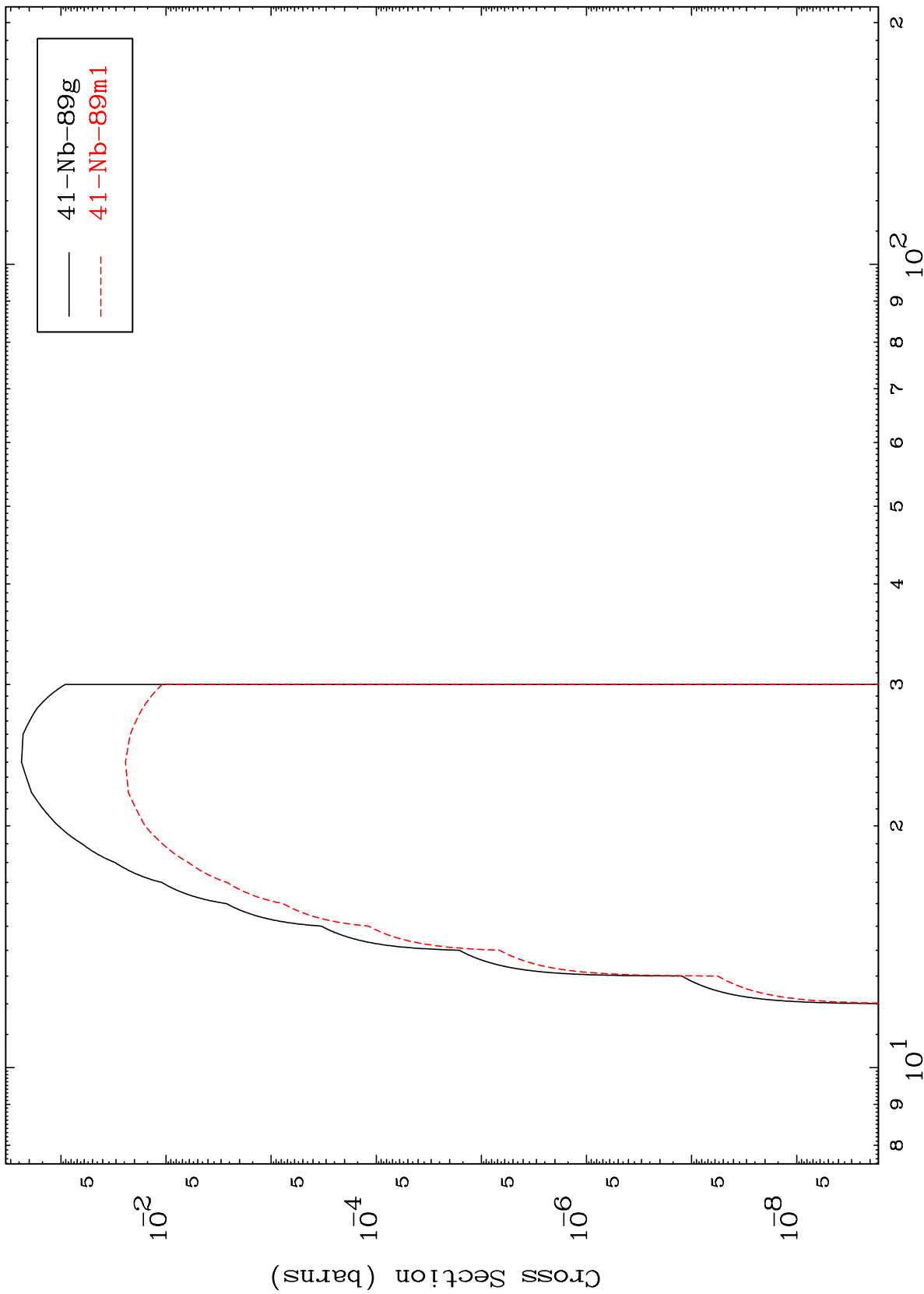
41-Nb-89m

MAT 4114

(n,2n) p

41-Nb-89m

Radionuclide Production Cross Section



20

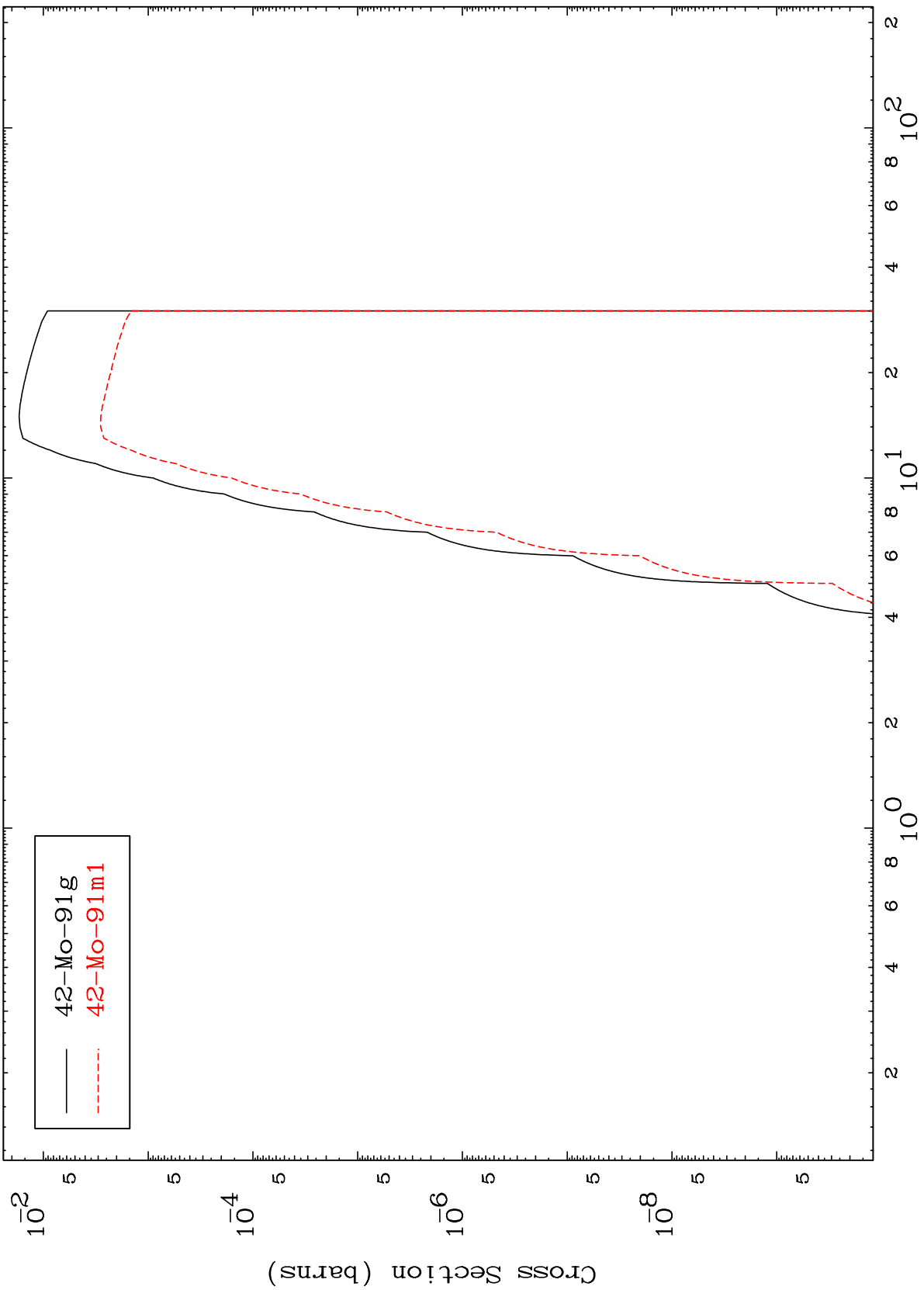
Incident Energy (MeV)

41-Nb-89m

MAT 4114

41-Nb-89m

(n,p)
Radionuclide Production Cross Section



— 42-Mo-91g
- - - 42-Mo-91m1

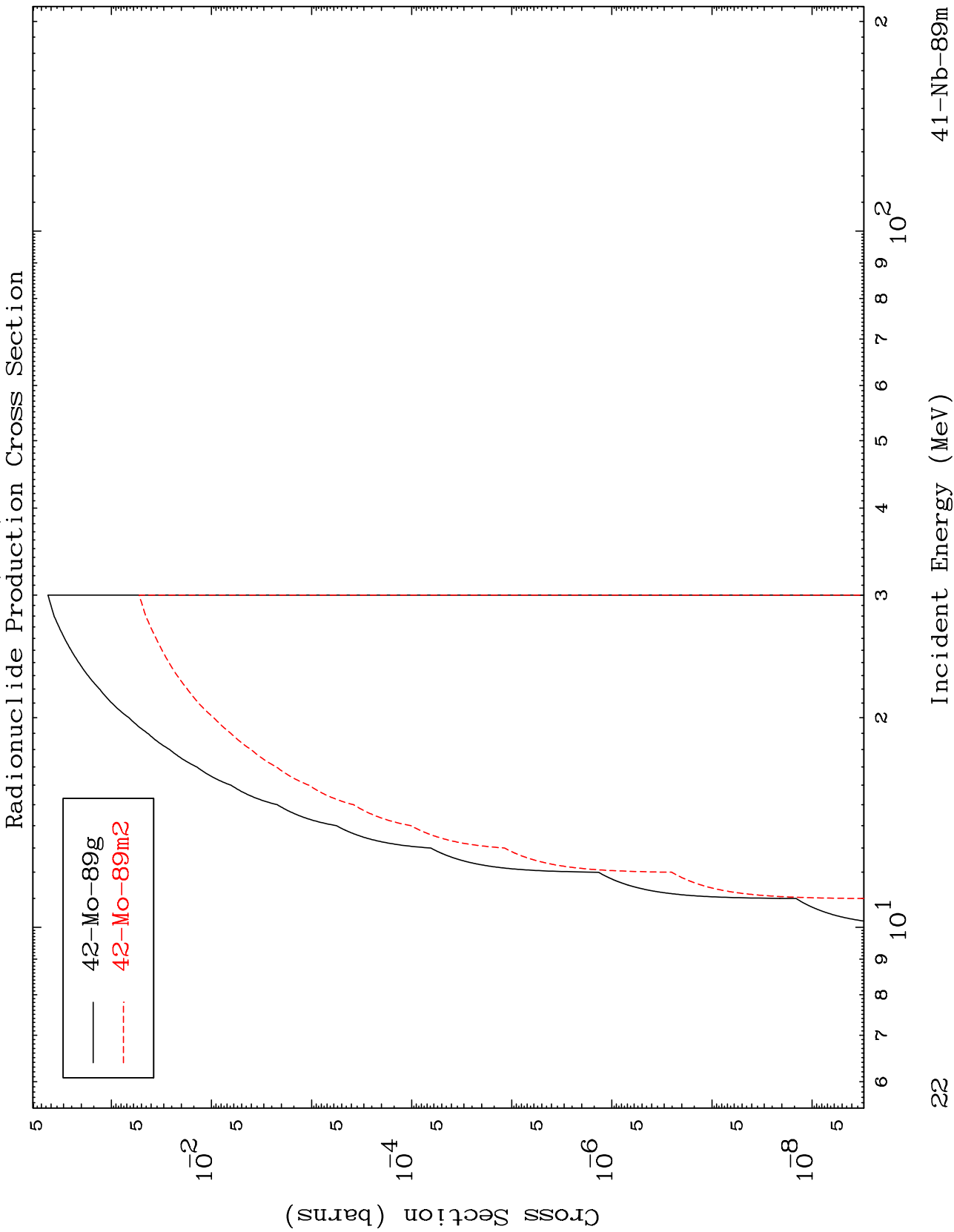
41-Nb-89m

Incident Energy (MeV)

21

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41-Nb-89m

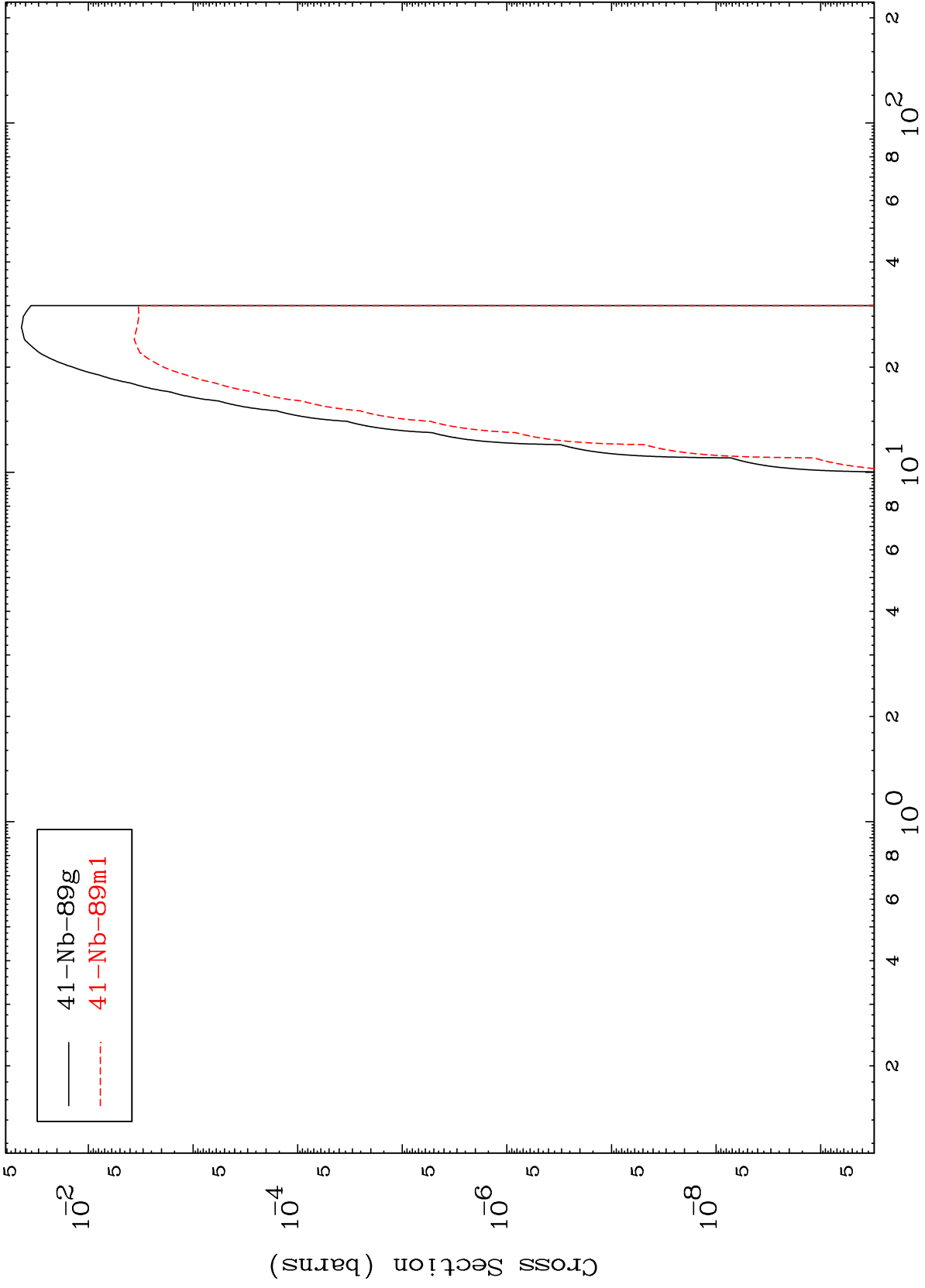


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(n,He-3)

41-Nb-89m

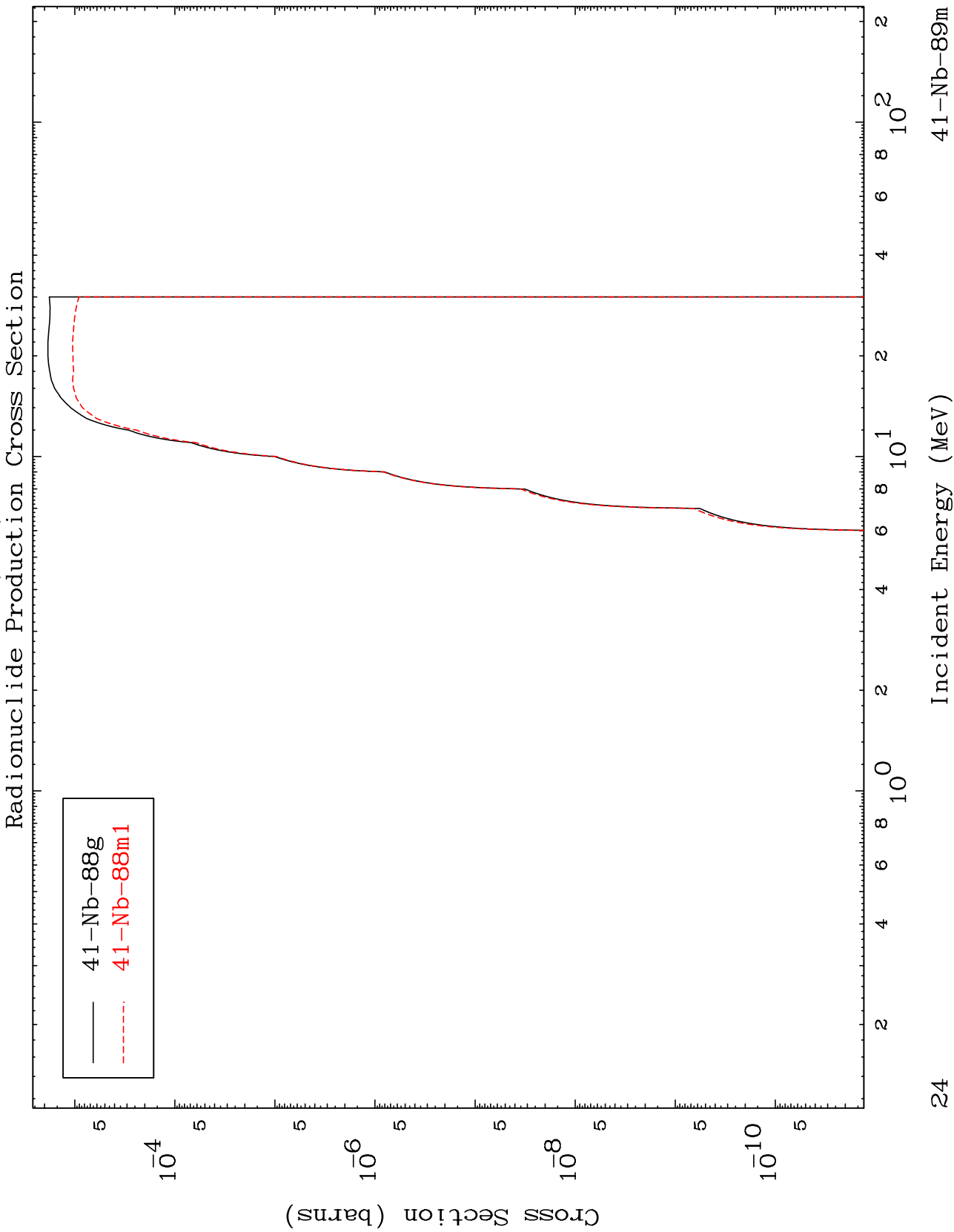
Radionuclide Production Cross Section



41-Nb-89g
41-Nb-89m1

MAT 4114

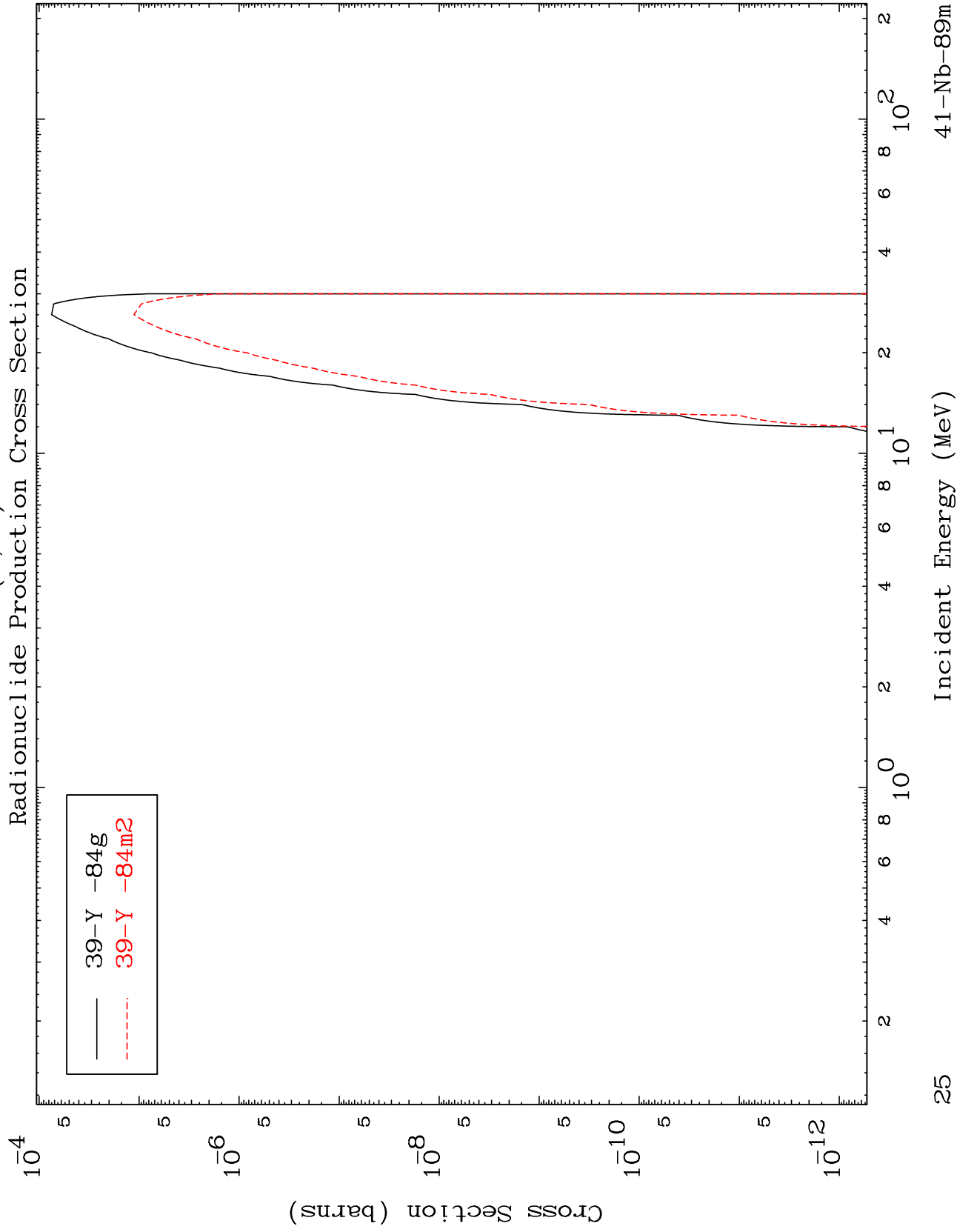
41-Nb-89m



MAT 4114

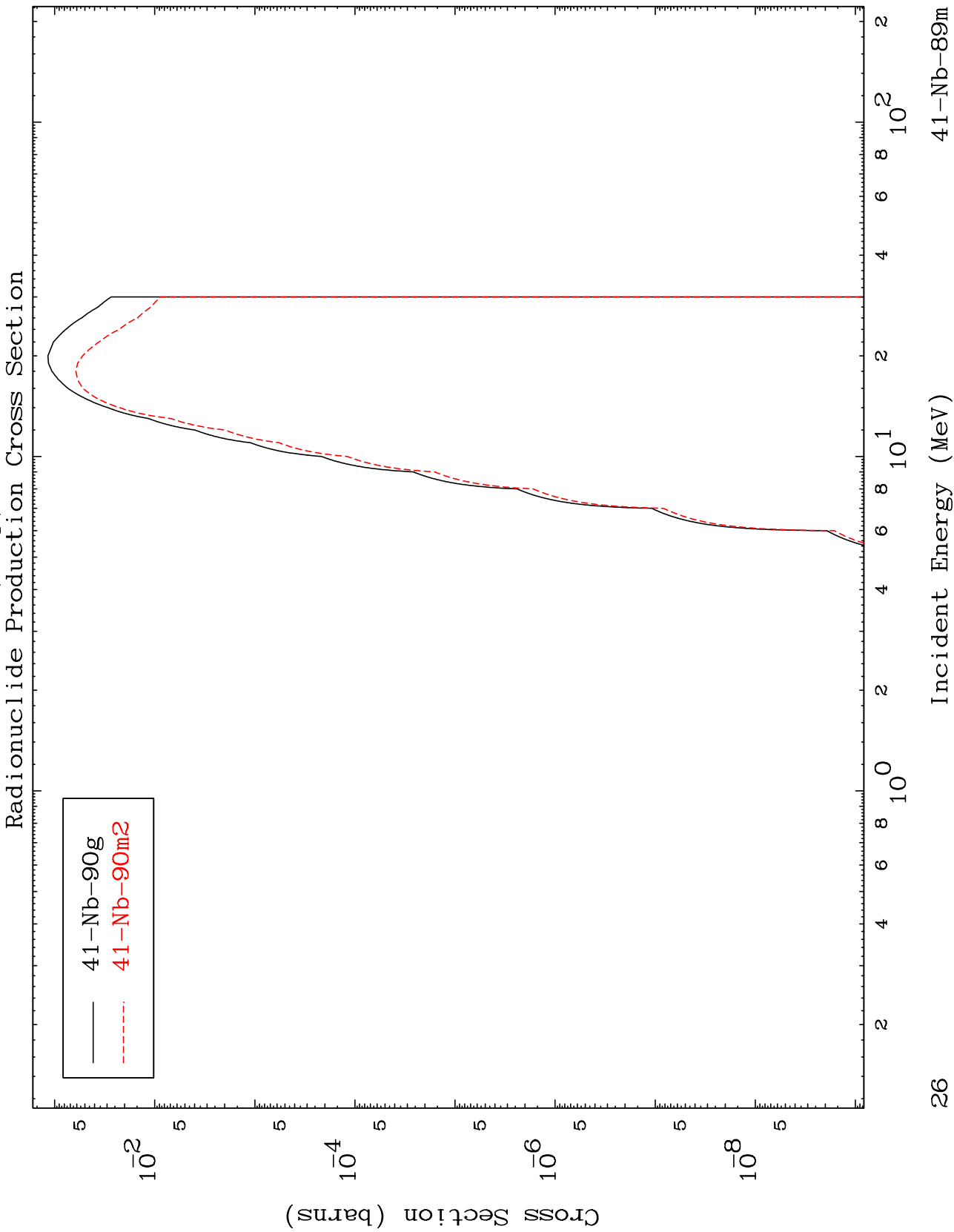
(n,2α)

41-Nb-89m



MAT 4114

41-Nb-89m



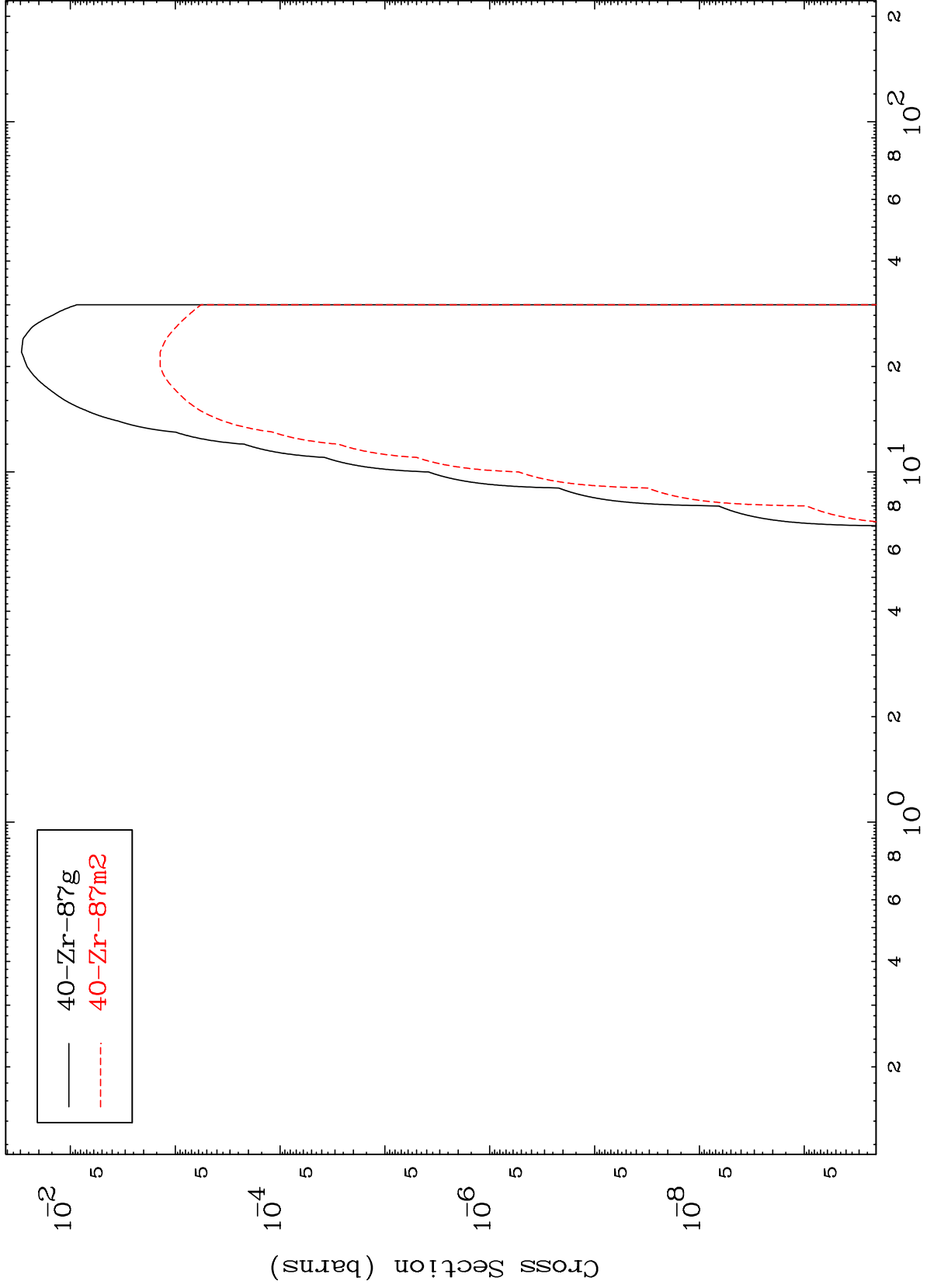
— 41-Nb-90g
- - - 41-Nb-90m2

MAT 4114

(n,p) α

41-Nb-89m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

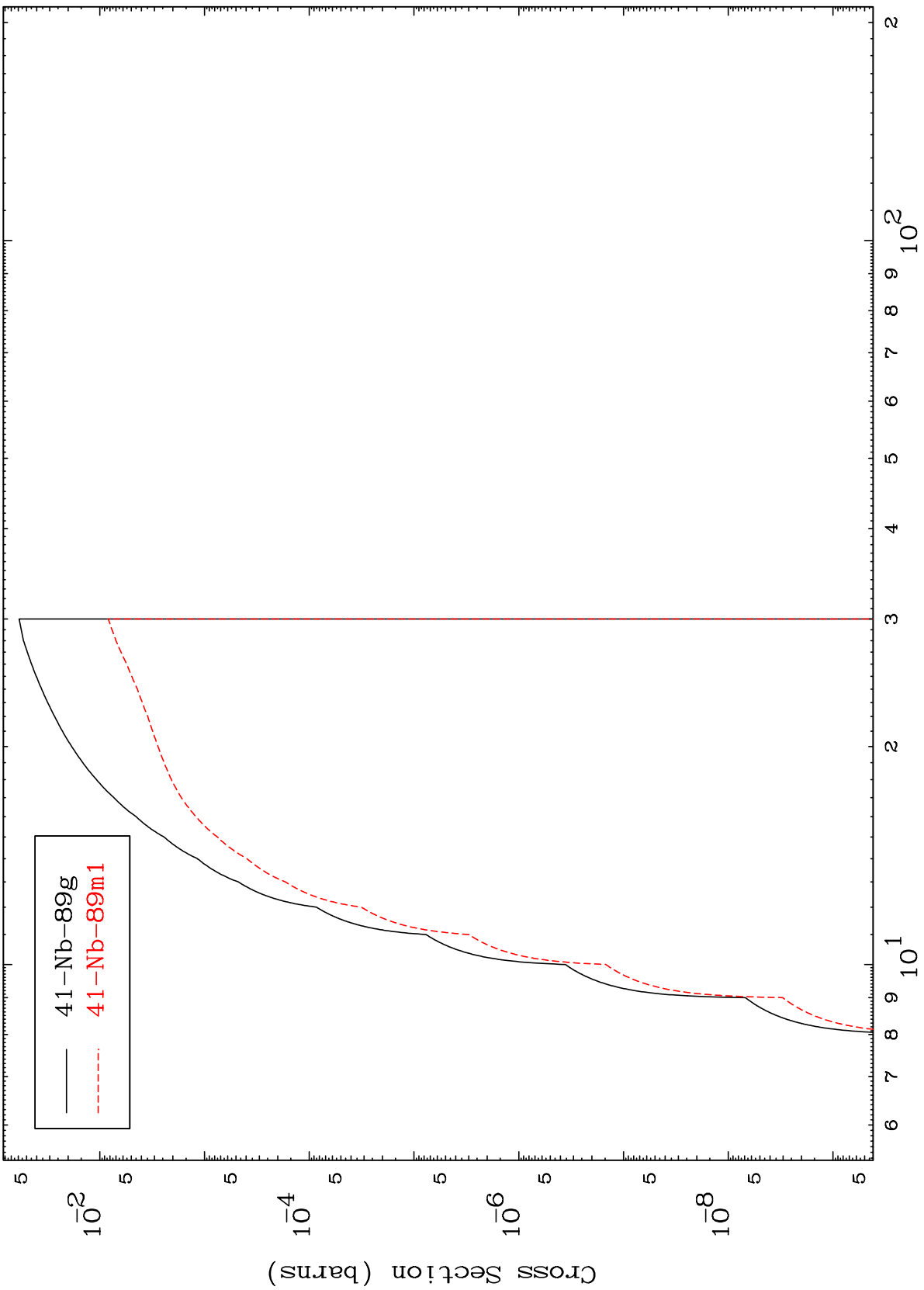
41-Nb-89m

MAT 4114

(n,p) d

41-Nb-89m

Radionuclide Production Cross Section



28

Incident Energy (MeV)

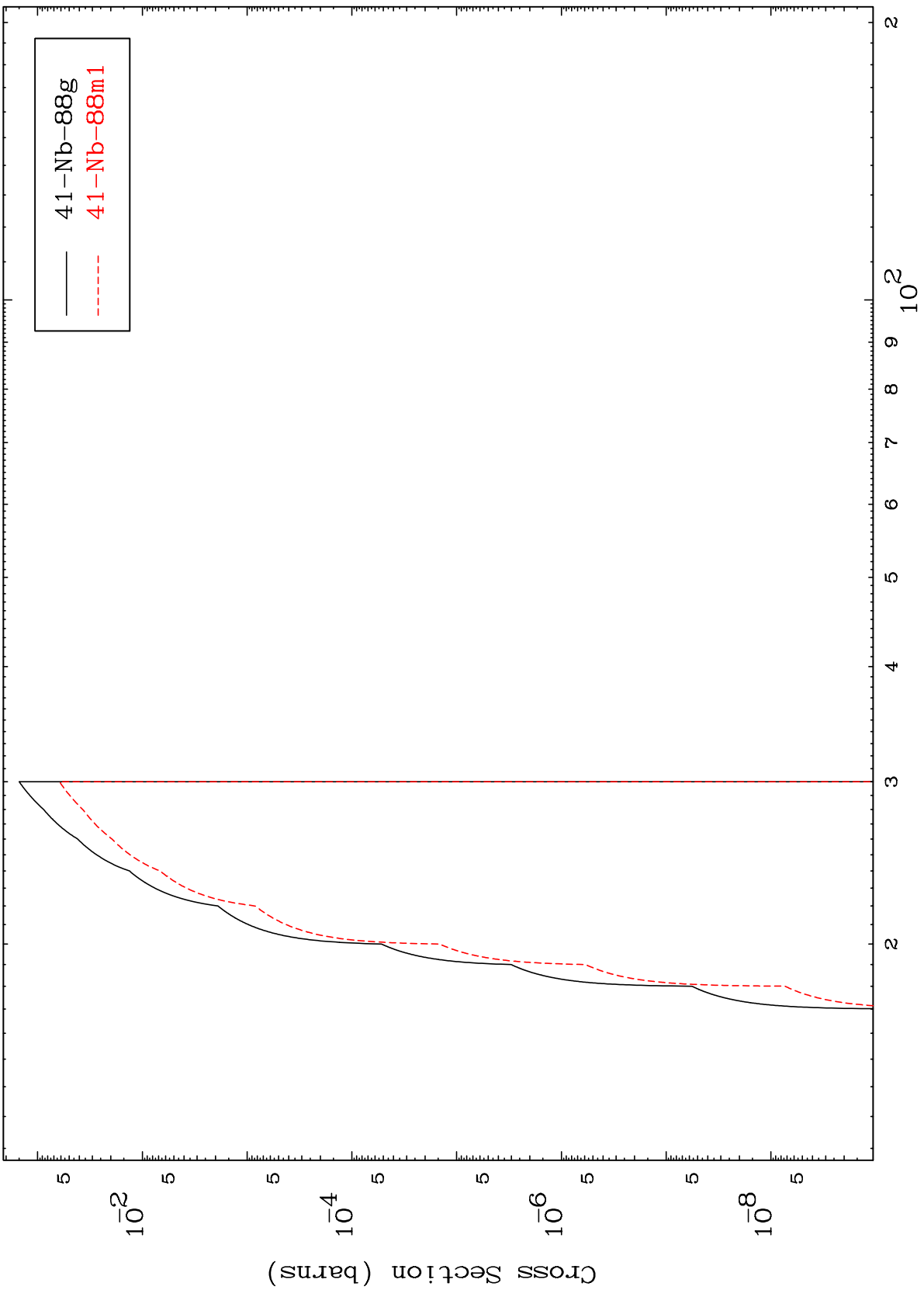
41-Nb-89m

MAT 4114

(n,p) t

41-Nb-89m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

41-Nb-89m