

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

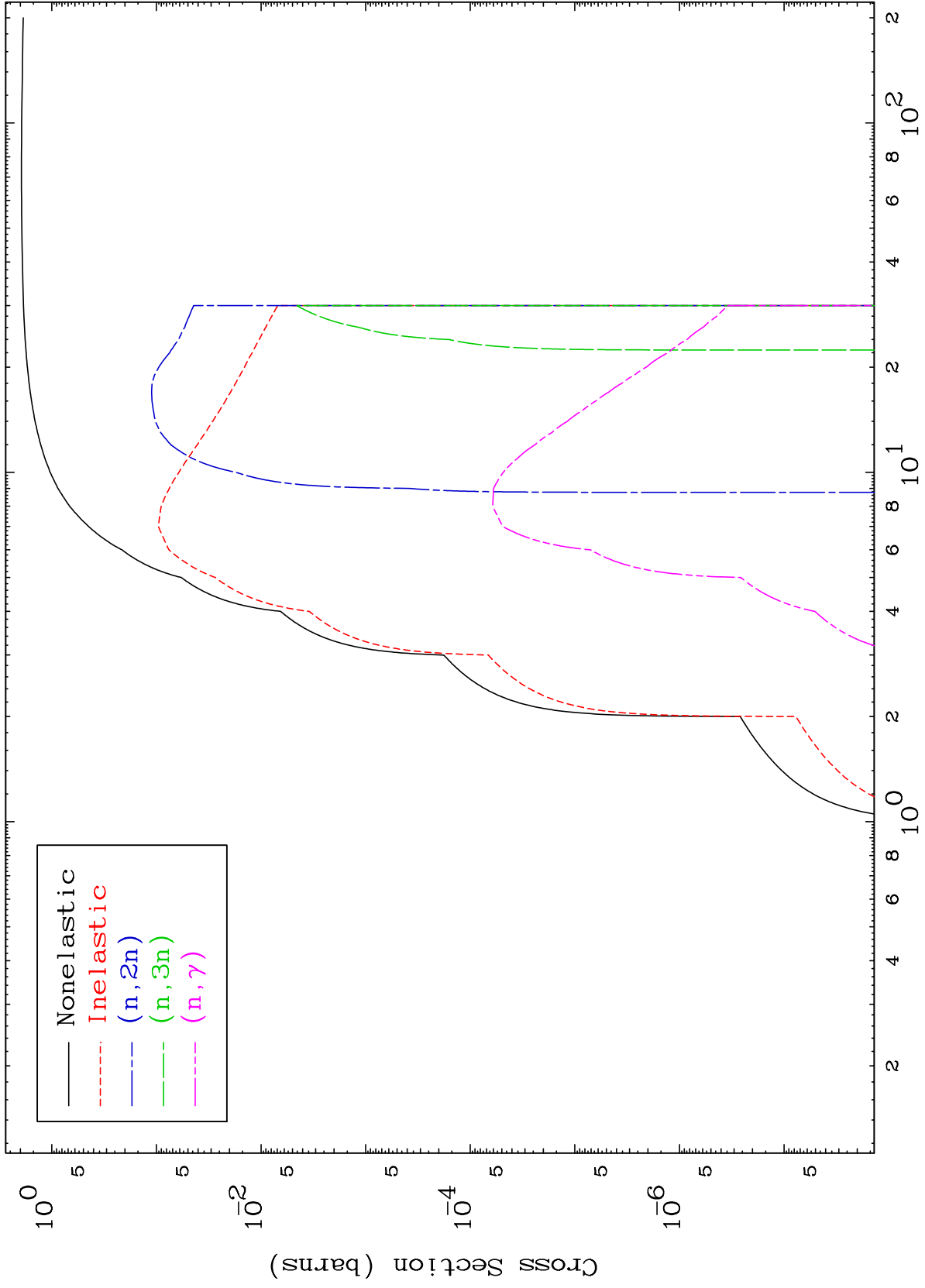
Press Mouse Button to Start

MAT 4223

Deuteron Major

42-Mo-91m

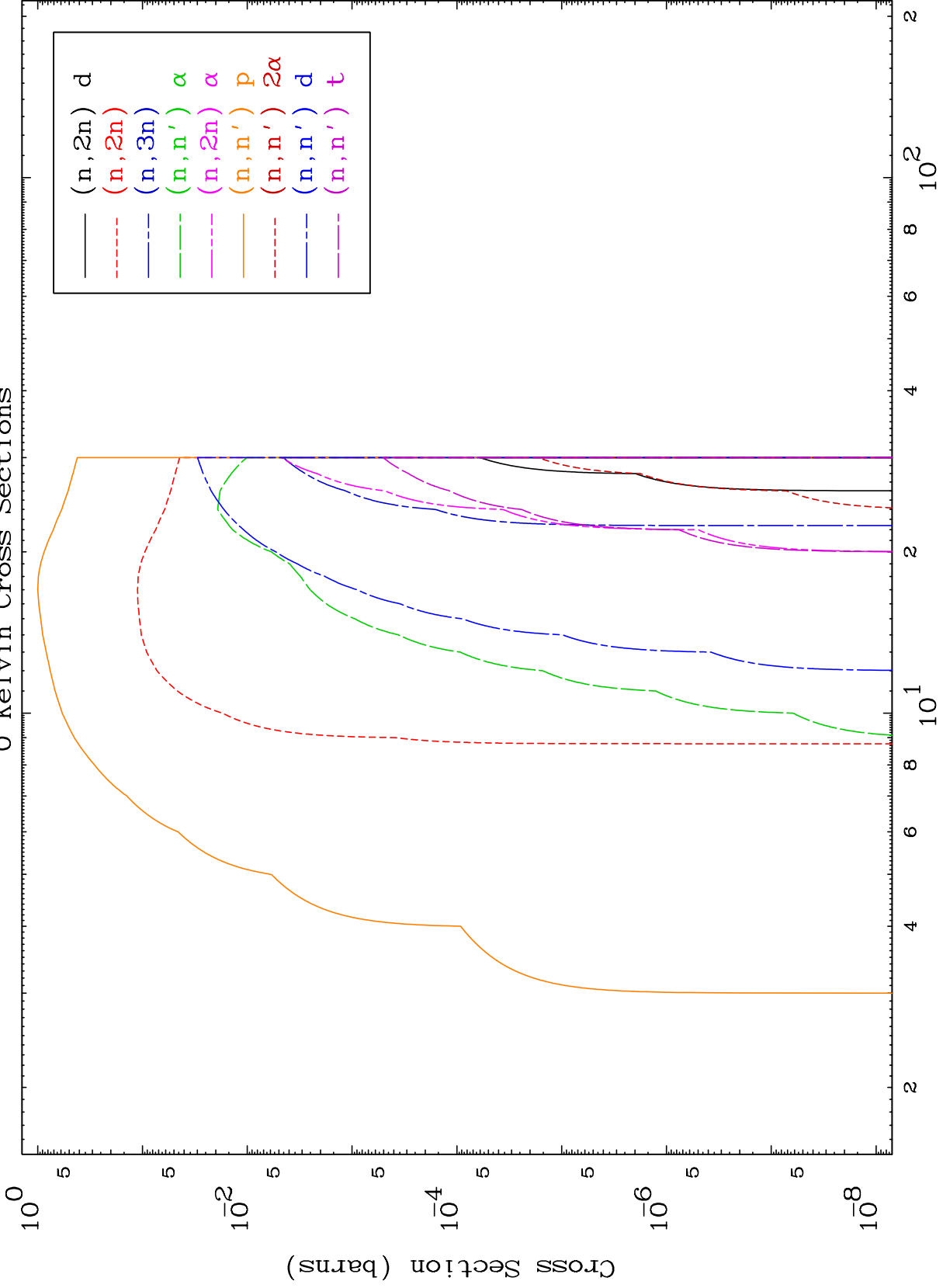
0 Kelvin Cross Sections



MAT 4223

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

42-Mo-91m



2

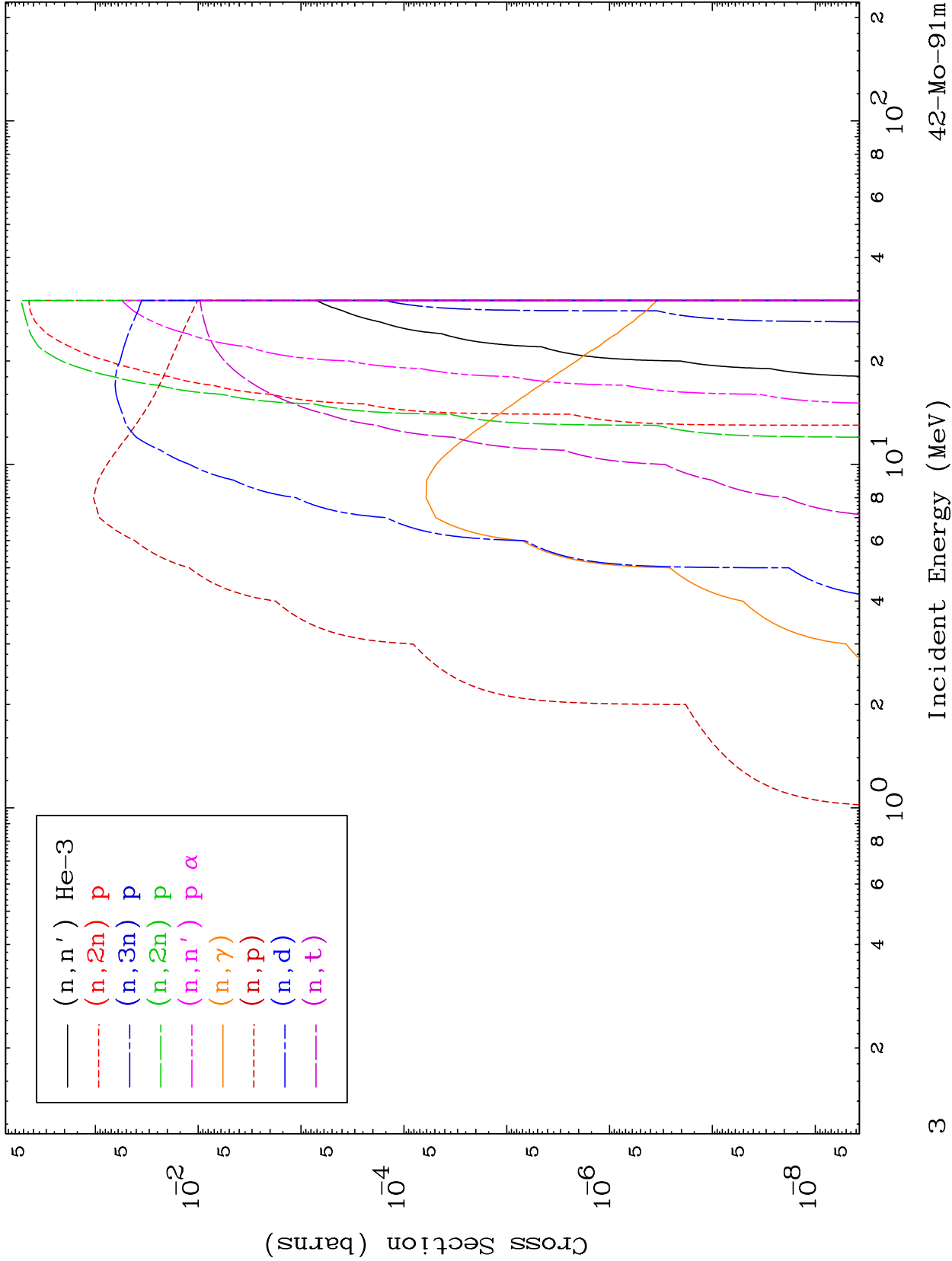
Incident Energy (MeV)

42-Mo-91m

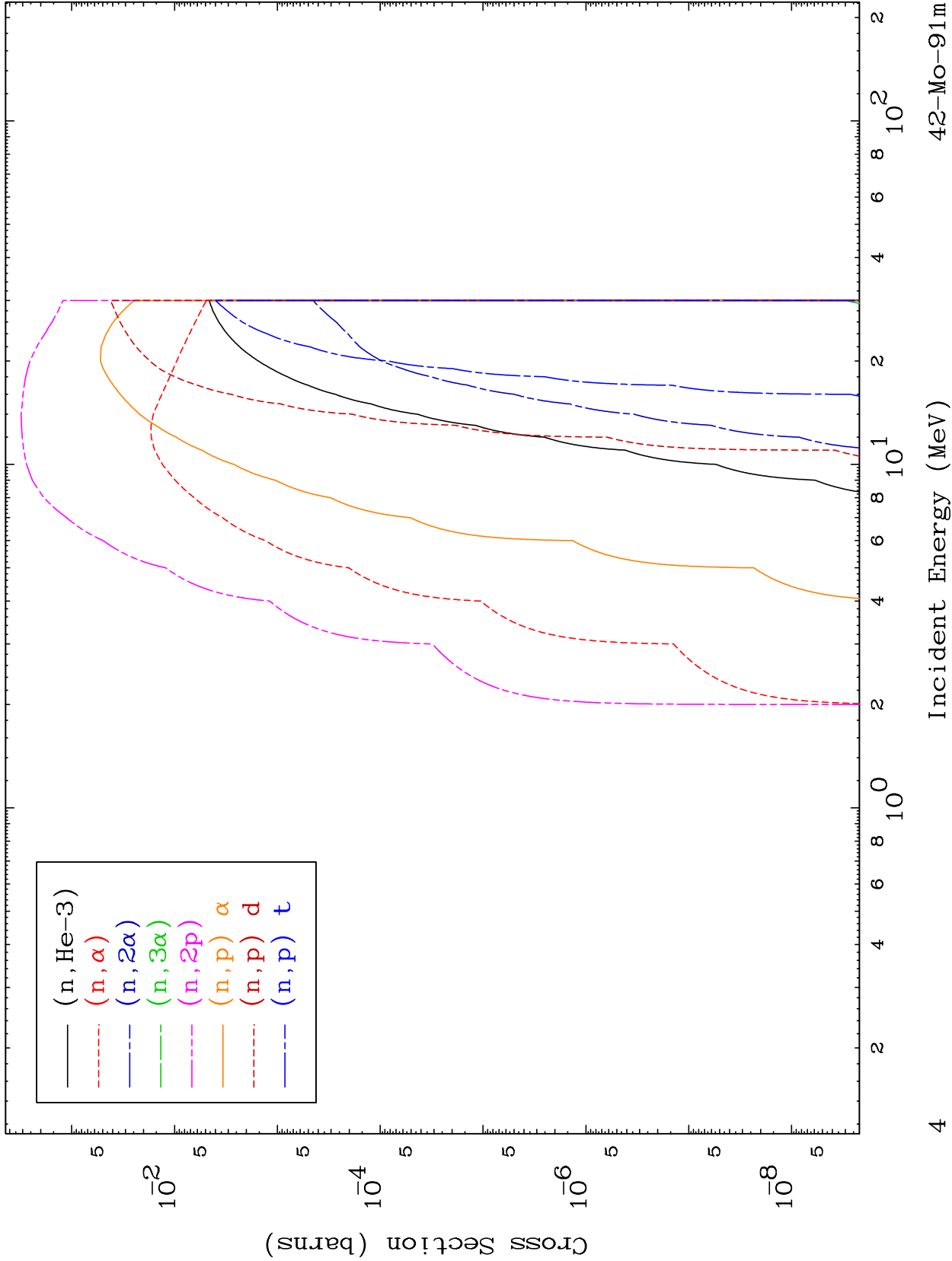
MAT 4223

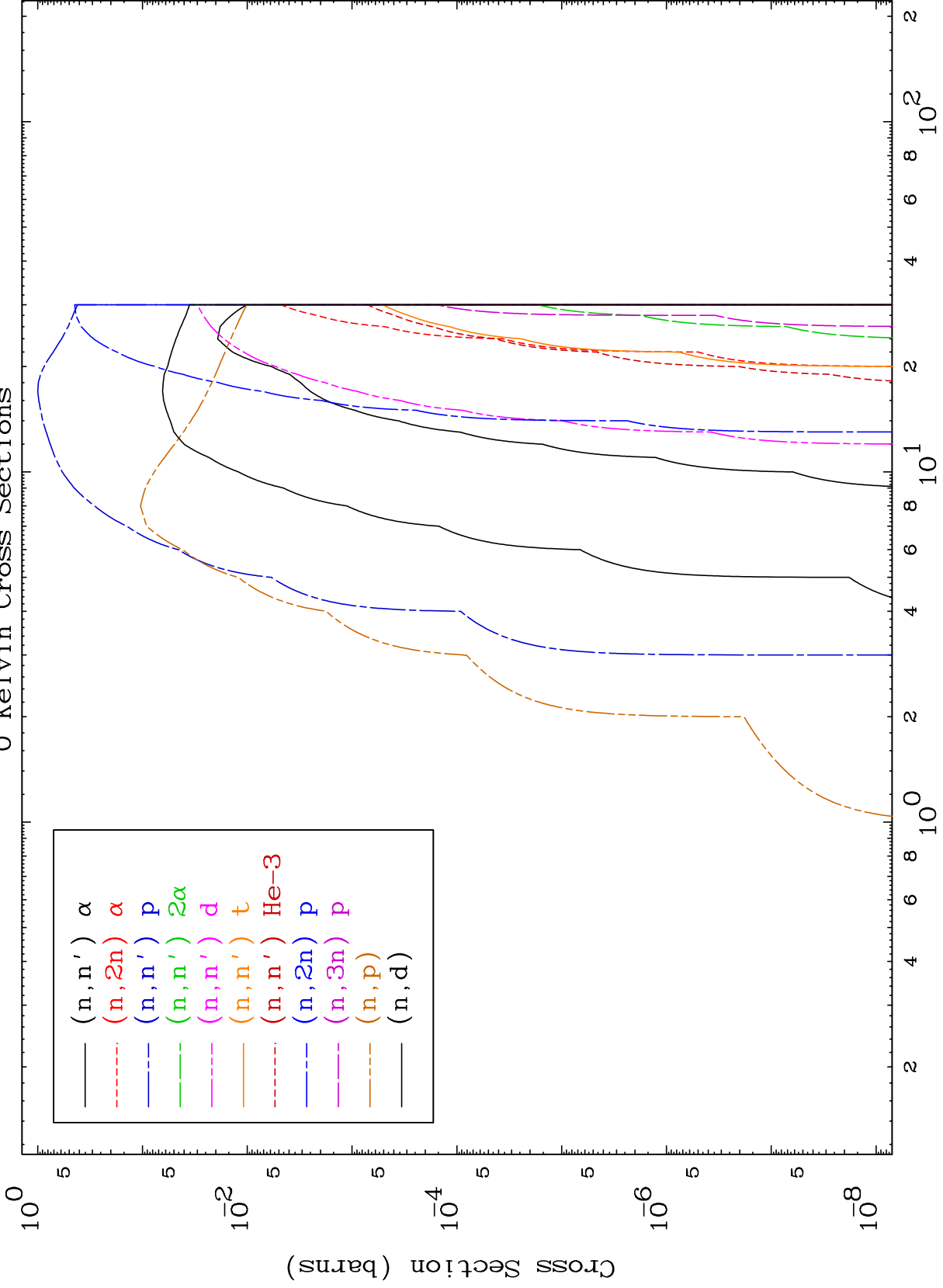
Deuteron Neutron Absorption  
0 Kelvin Cross Sections

42-Mo-91m



42-Mo-91m

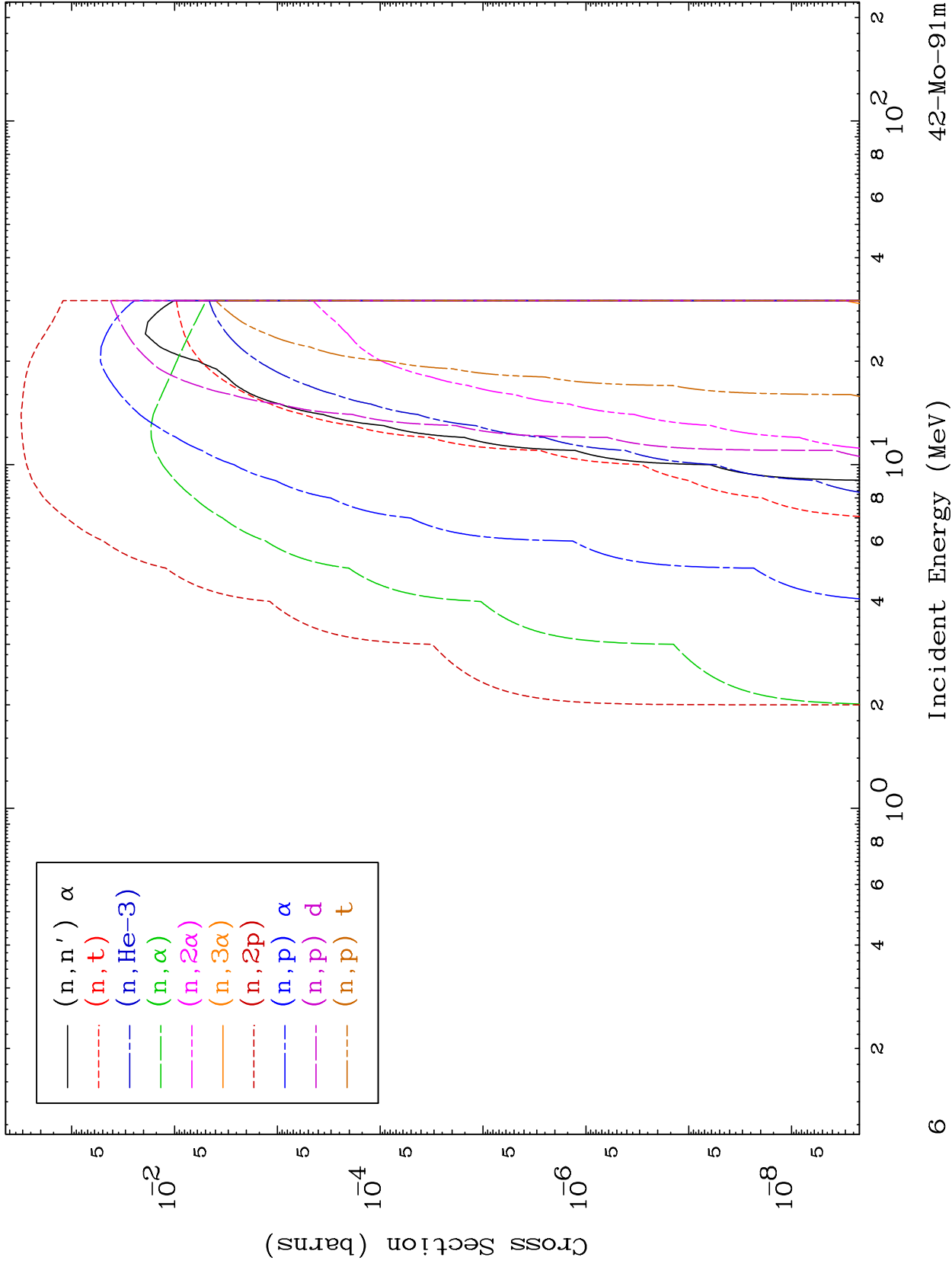




MAT 4223

Deuteron Charged Particle  
0 Kelvin Cross Sections

42-Mo-91m

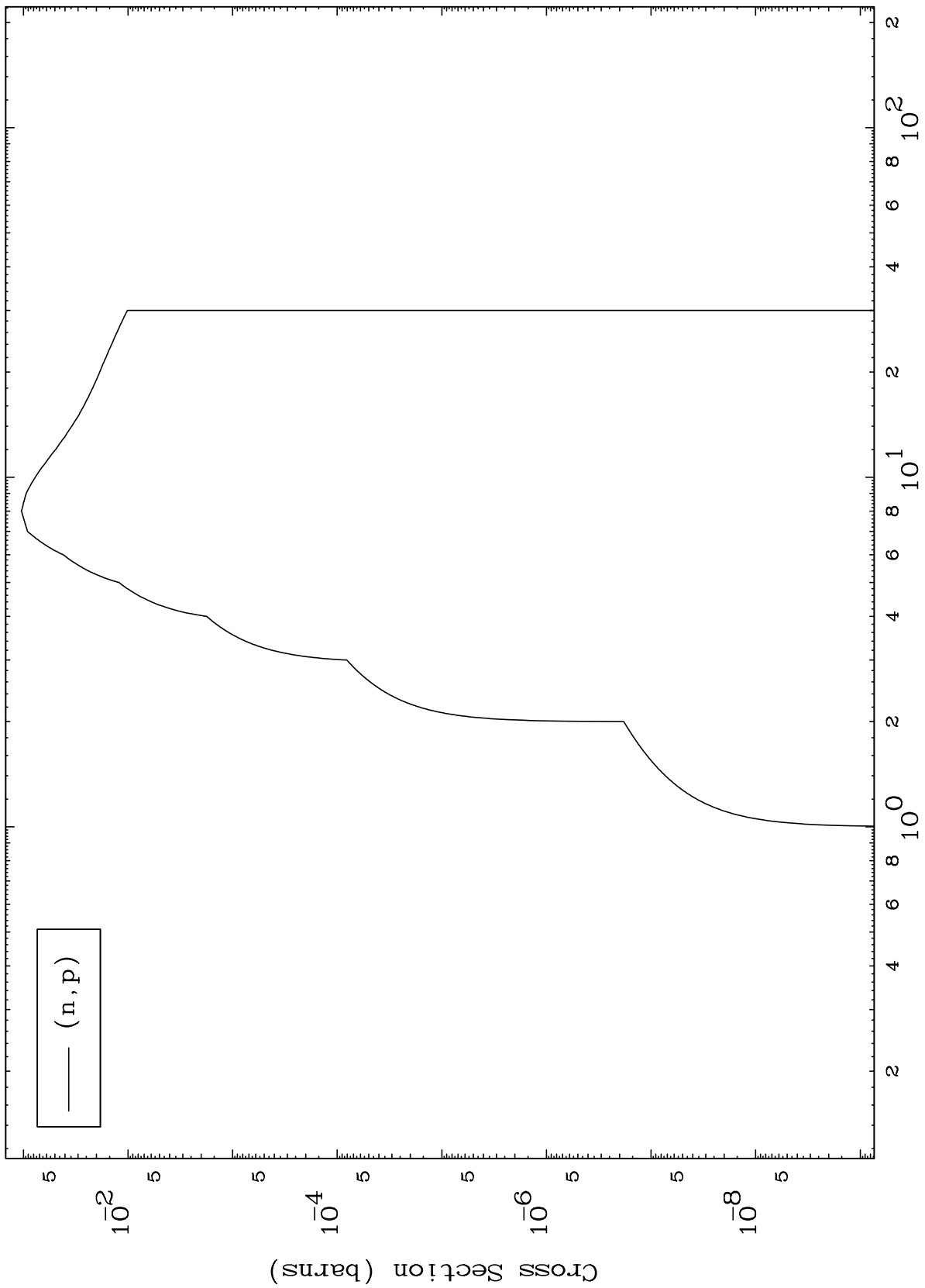


MAT 4223

(d,p) Levels

42-Mo-91m

0 Kelvin Cross Sections



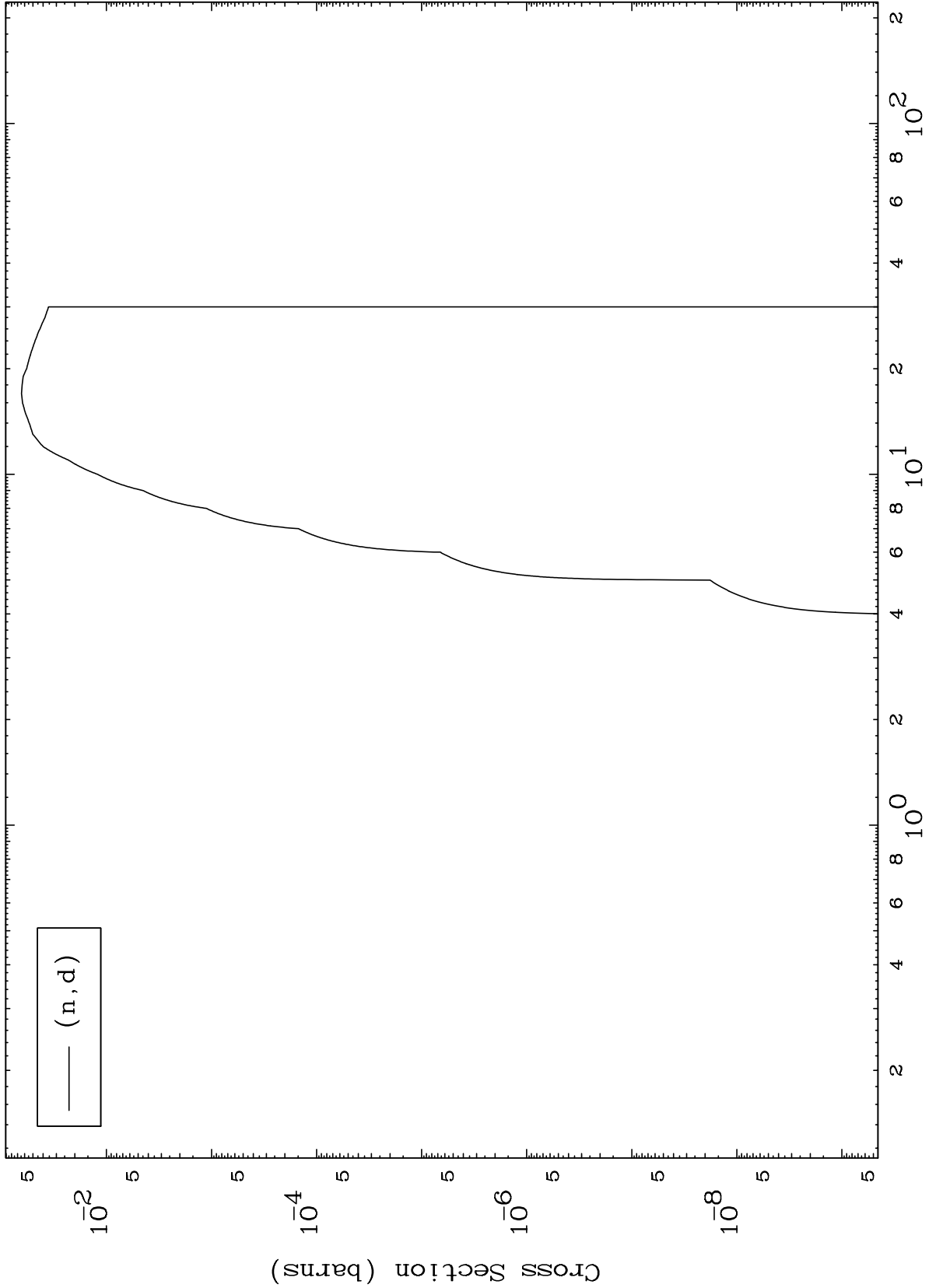


MAT 4223

(d,d) Levels

42-Mo-91m

0 Kelvin Cross Sections

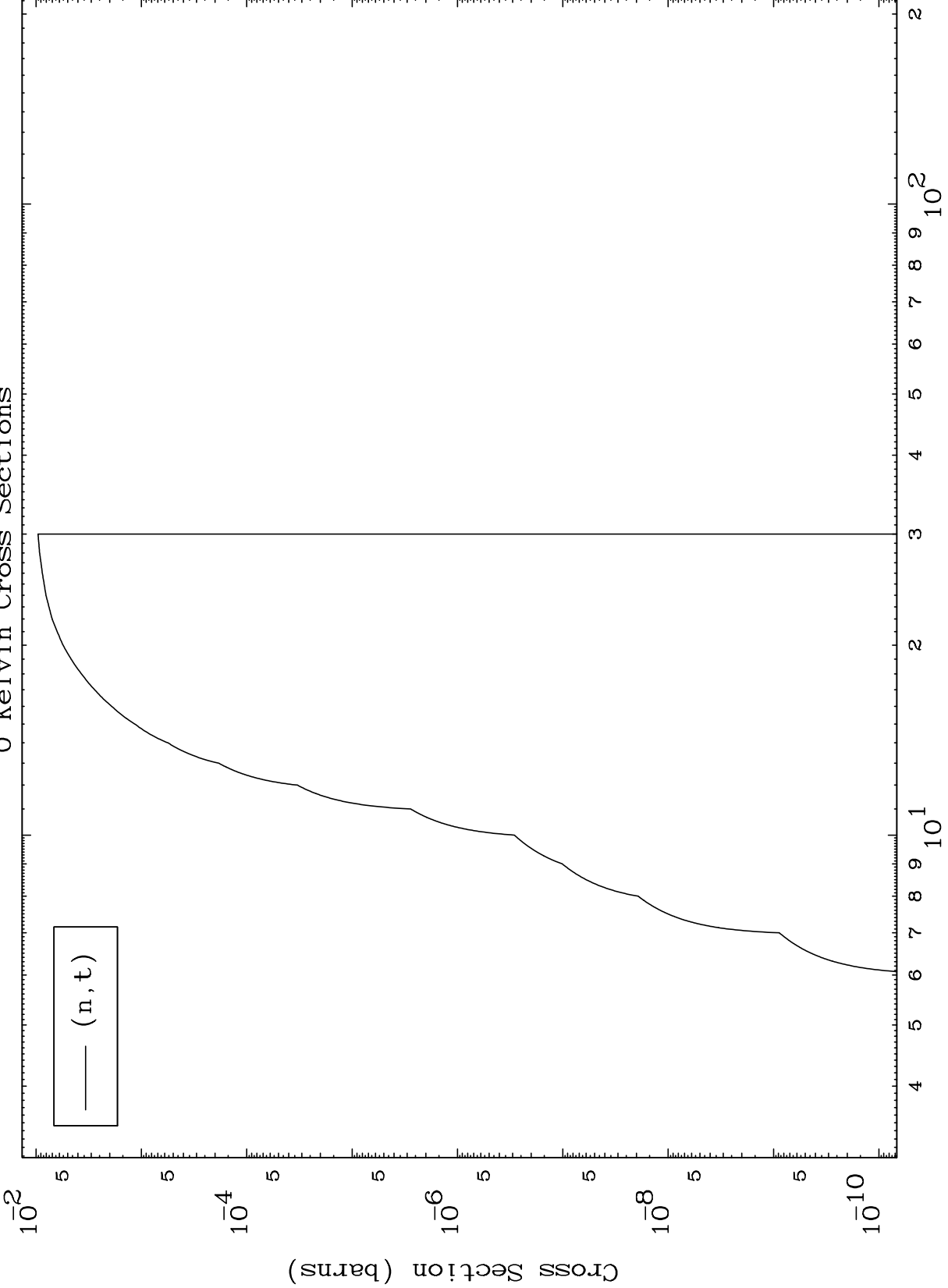


MAT 4223

(d,t) Levels

42-Mo-91m

0 Kelvin Cross Sections

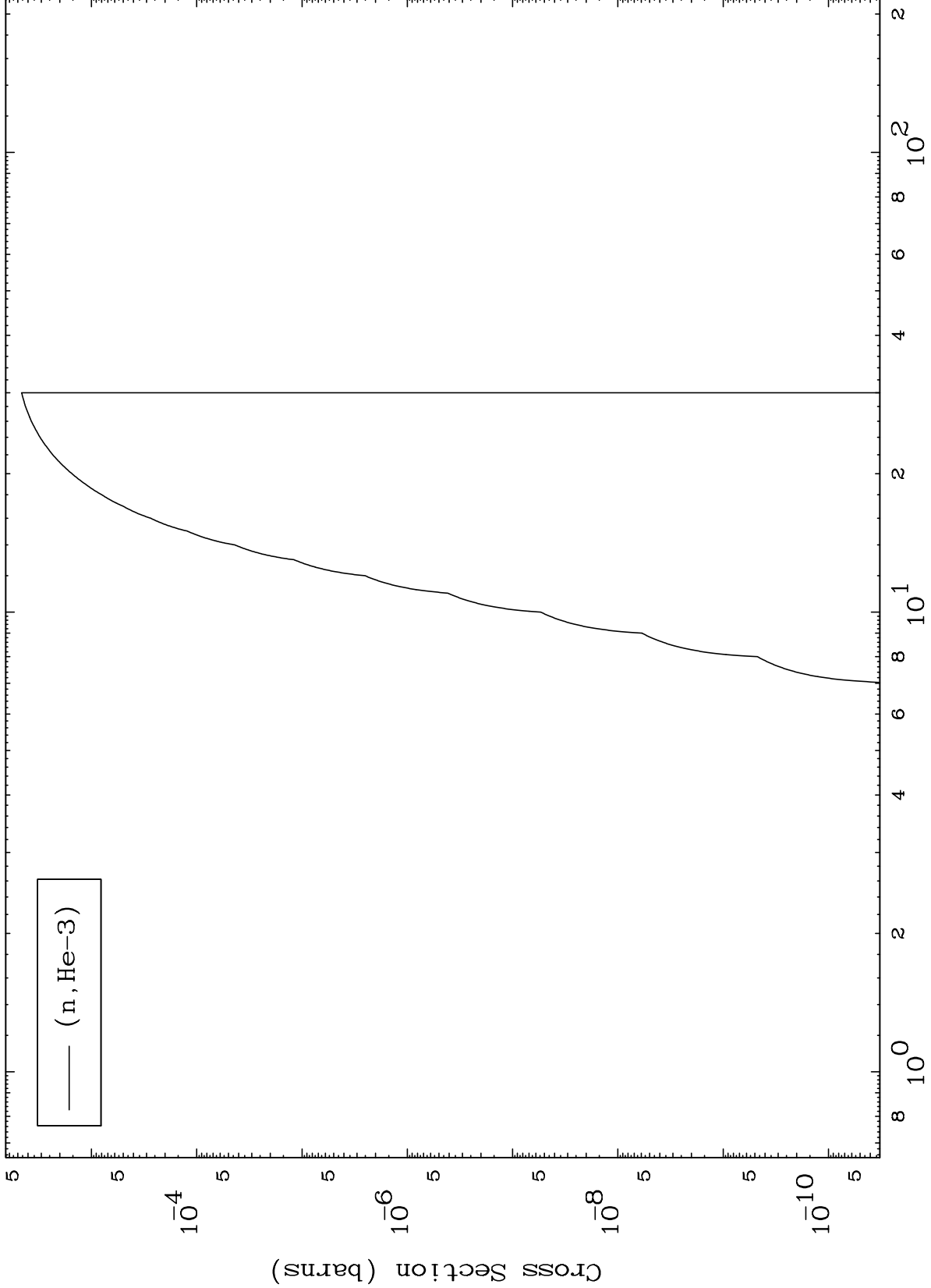


MAT 4223

(d,He3) Levels

42-Mo-91m

0 Kelvin Cross Sections



10

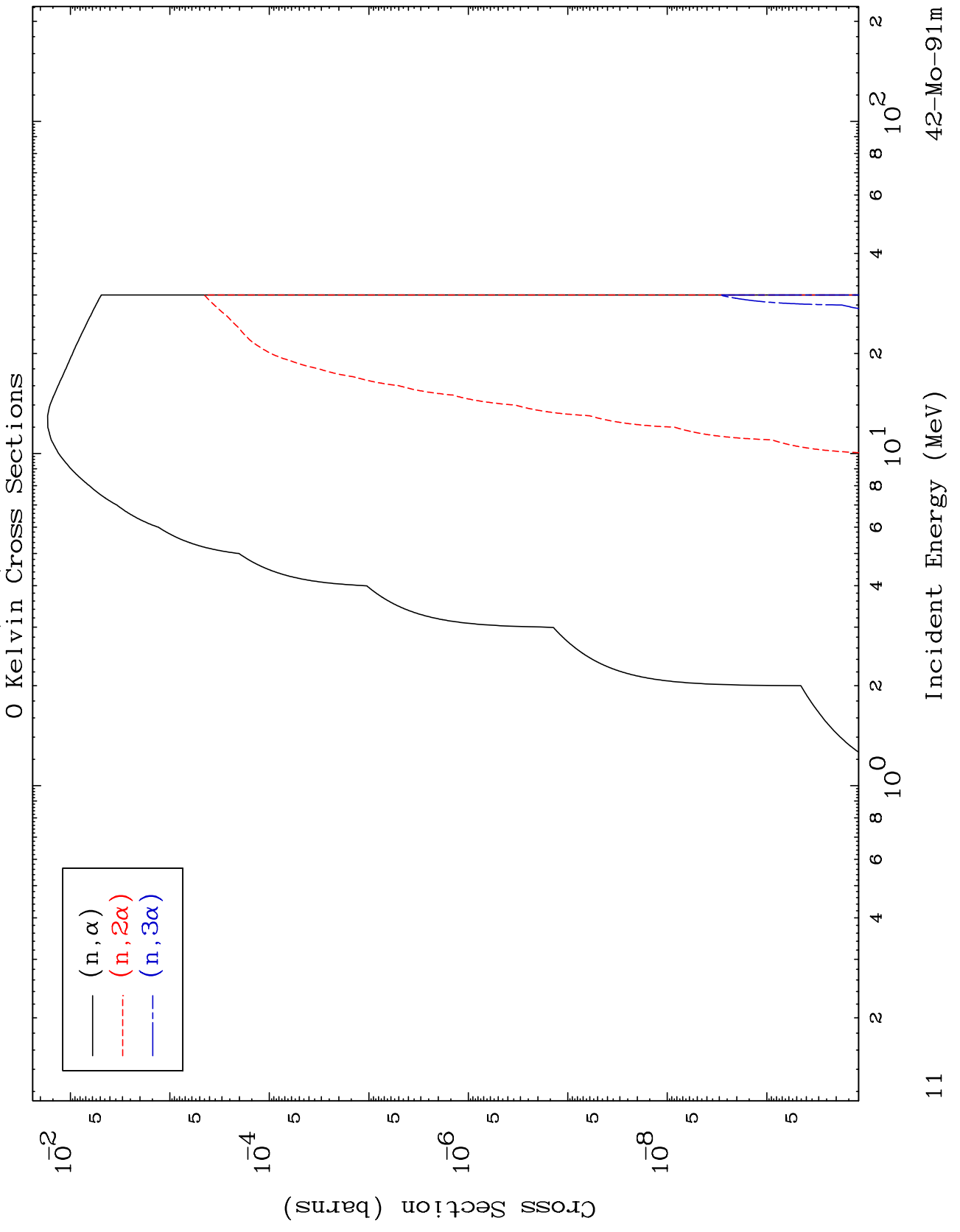
Incident Energy (MeV)

42-Mo-91m

MAT 4223

(d,  $\alpha$ ) Levels

42-Mo-91m

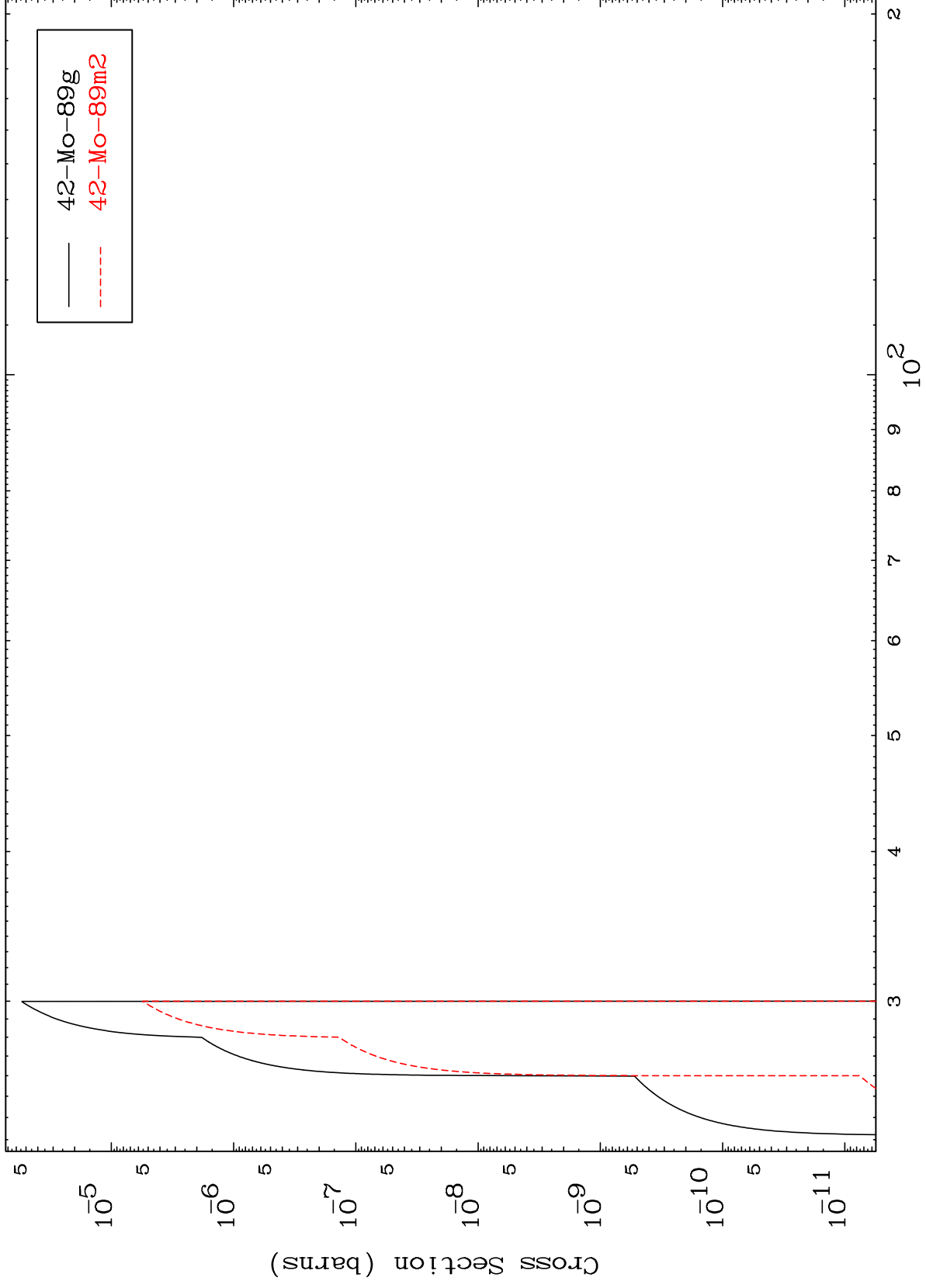


MAT 4223

(n,2n) d

42-Mo-91m

Radionuclide Production Cross Section



12

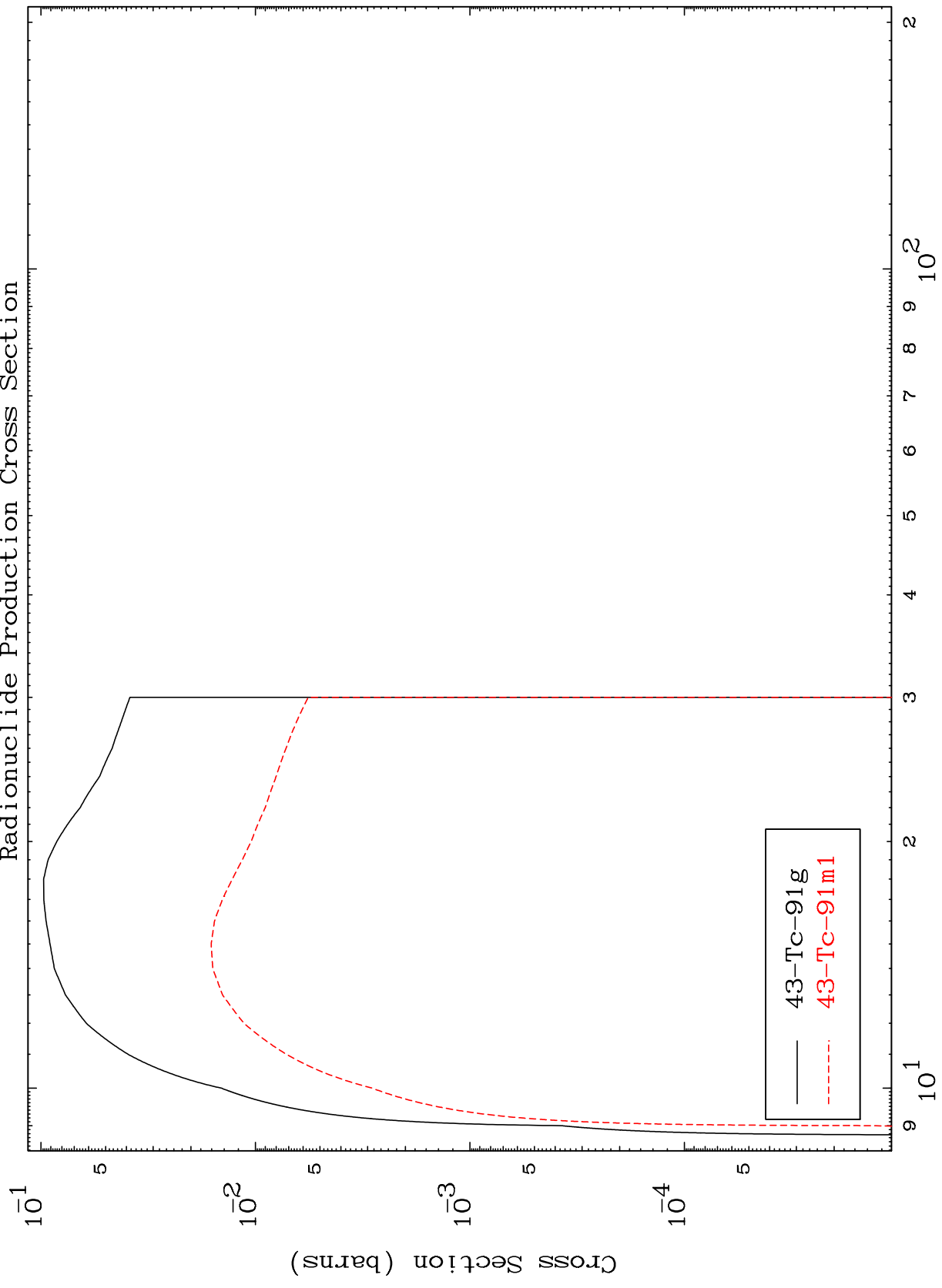
Incident Energy (MeV)

42-Mo-91m

MAT 4223

42-Mo-91m

(n,2n) Radionuclide Production Cross Section



42-Mo-91m

Incident Energy (MeV)

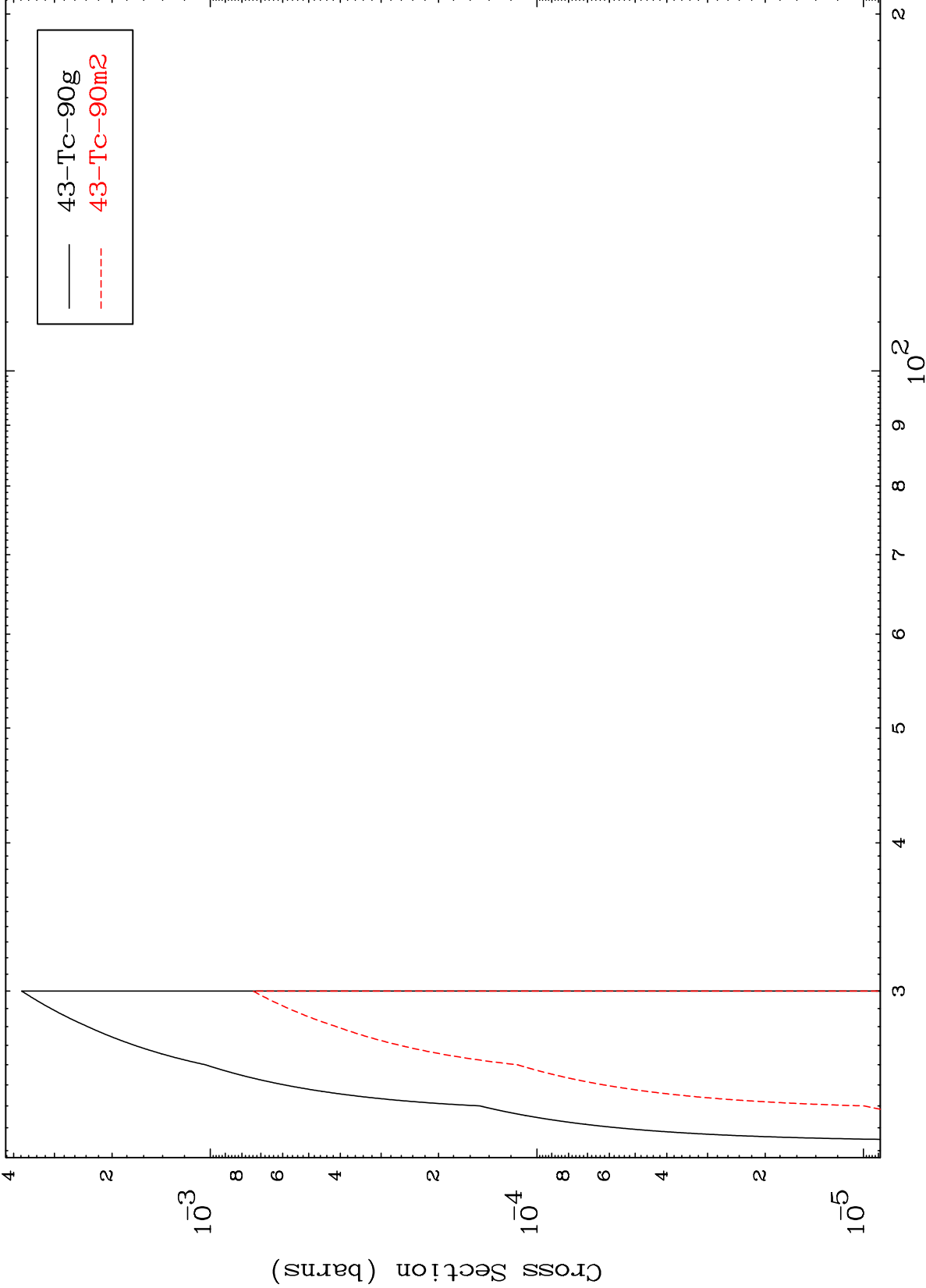
13

MAT 4223

(n,3n)

42-Mo-91m

Radionuclide Production Cross Section



43-Tc-90g  
43-Tc-90m2

14

Incident Energy (MeV)

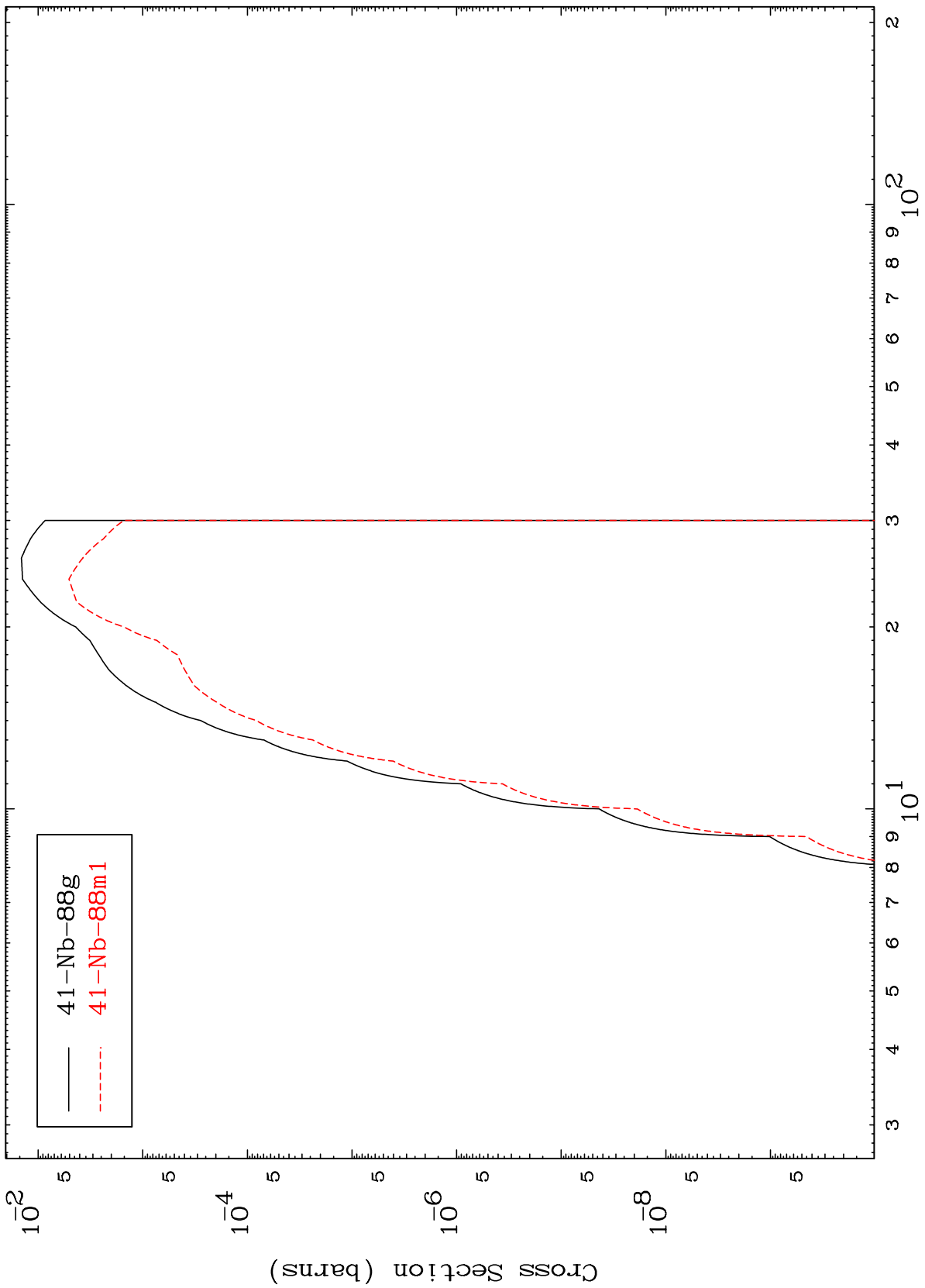
42-Mo-91m

MAT 4223

42-Mo-91m

(n,n')  $\alpha$

Radionuclide Production Cross Section



42-Mo-91m

Incident Energy (MeV)

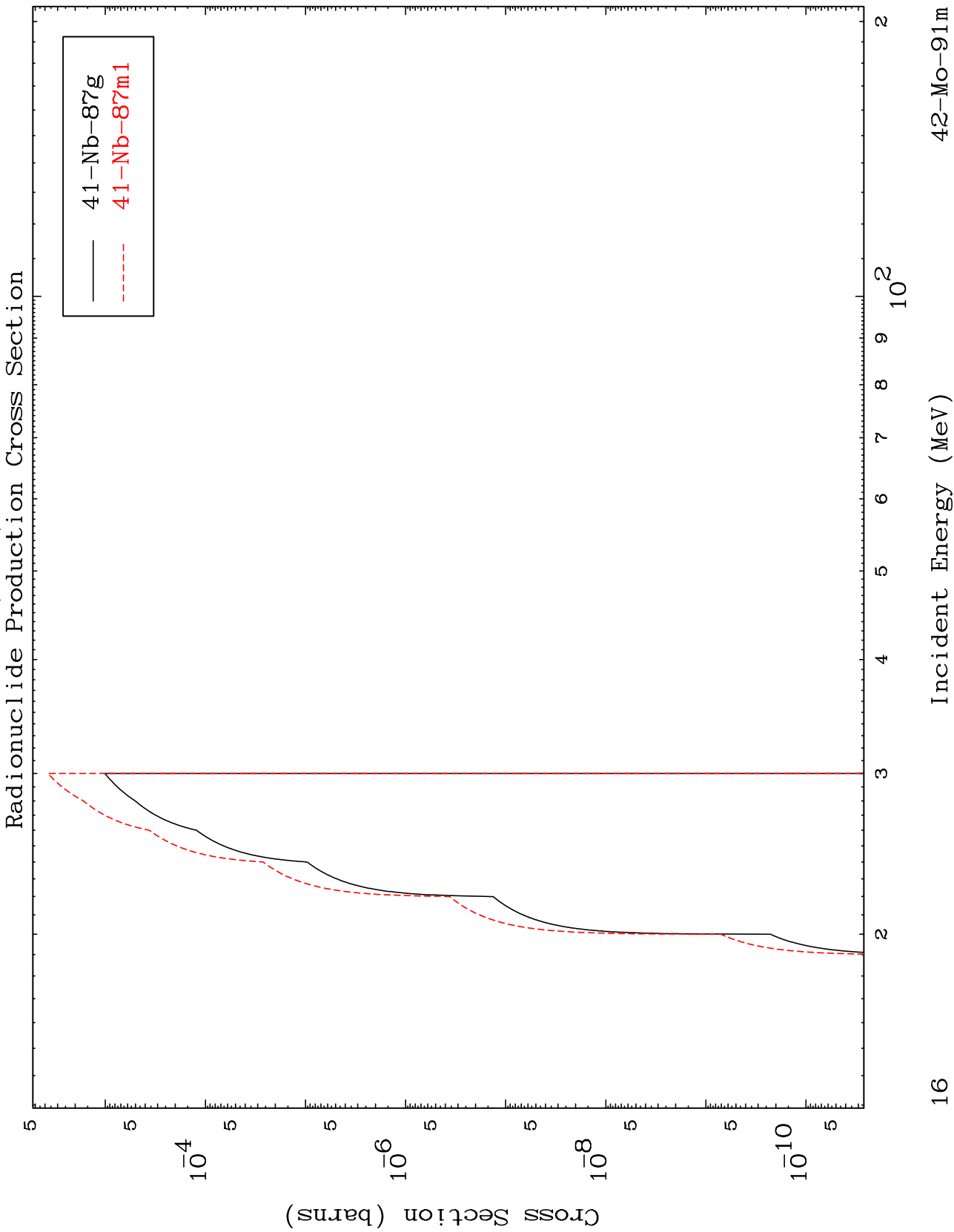
15



MAT 4223

(n,2n)  $\alpha$

42-Mo-91m



16

Incident Energy (MeV)

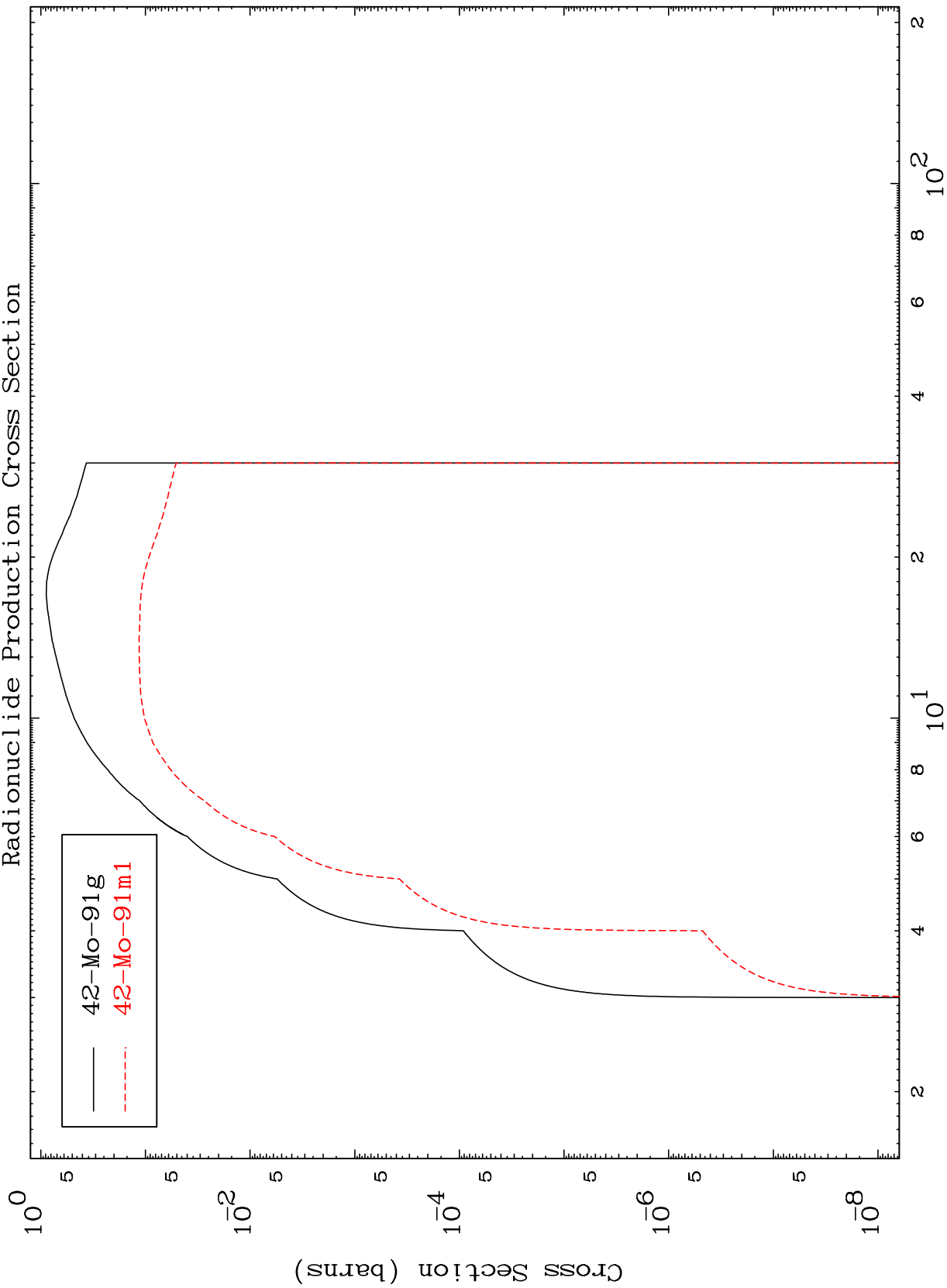
42-Mo-91m

MAT 4223

(n,n') p

42-Mo-91m

Radionuclide Production Cross Section



17

Incident Energy (MeV)

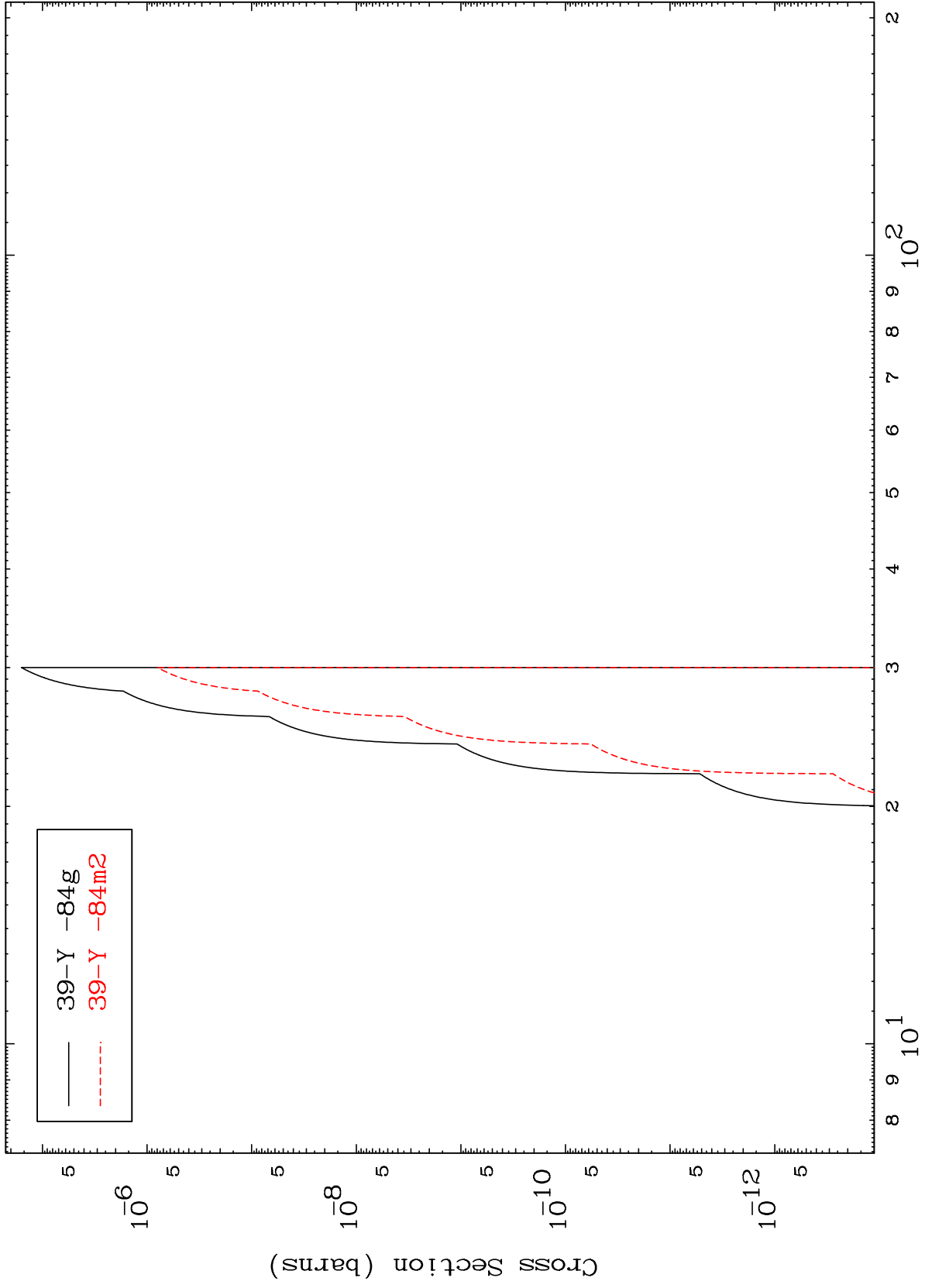
42-Mo-91m

MAT 4223

(n,n') 2α

42-Mo-91m

Radionuclide Production Cross Section



— 39-Y -84g  
- - - 39-Y -84m2

18

Incident Energy (MeV)

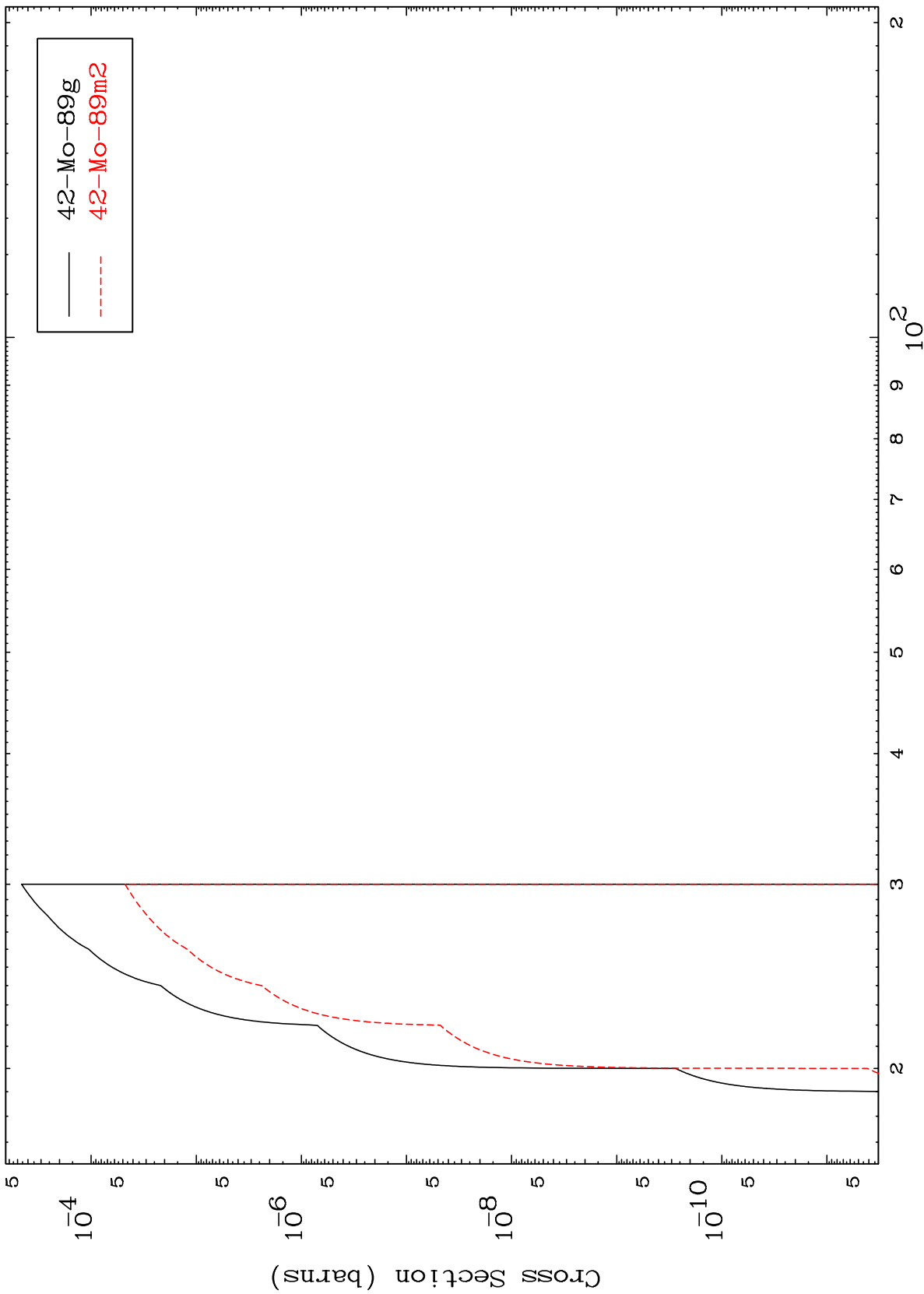
42-Mo-91m

MAT 4223

(n,n') t

42-Mo-91m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

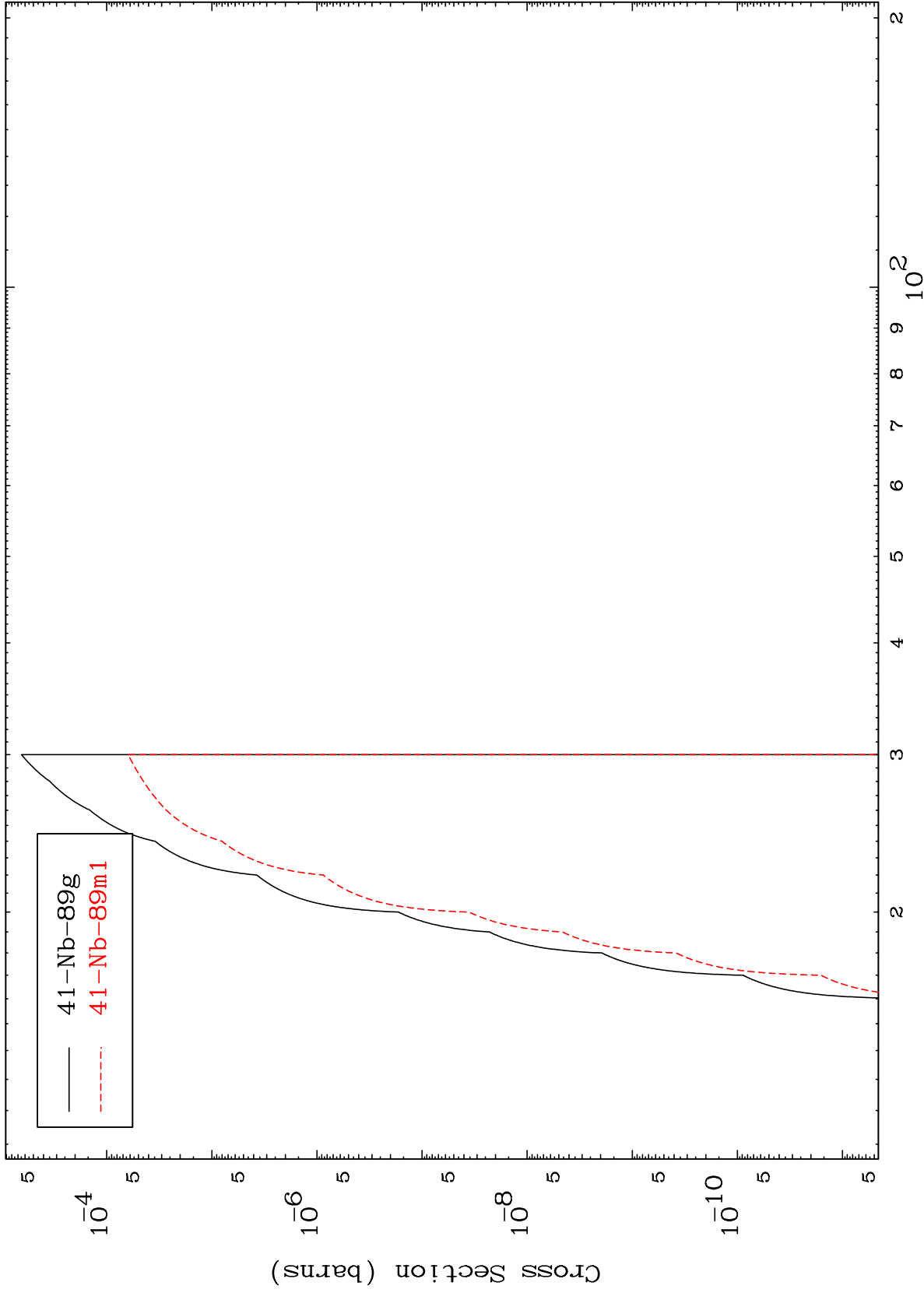
42-Mo-91m

MAT 4223

(n,n') He-3

42-Mo-91m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

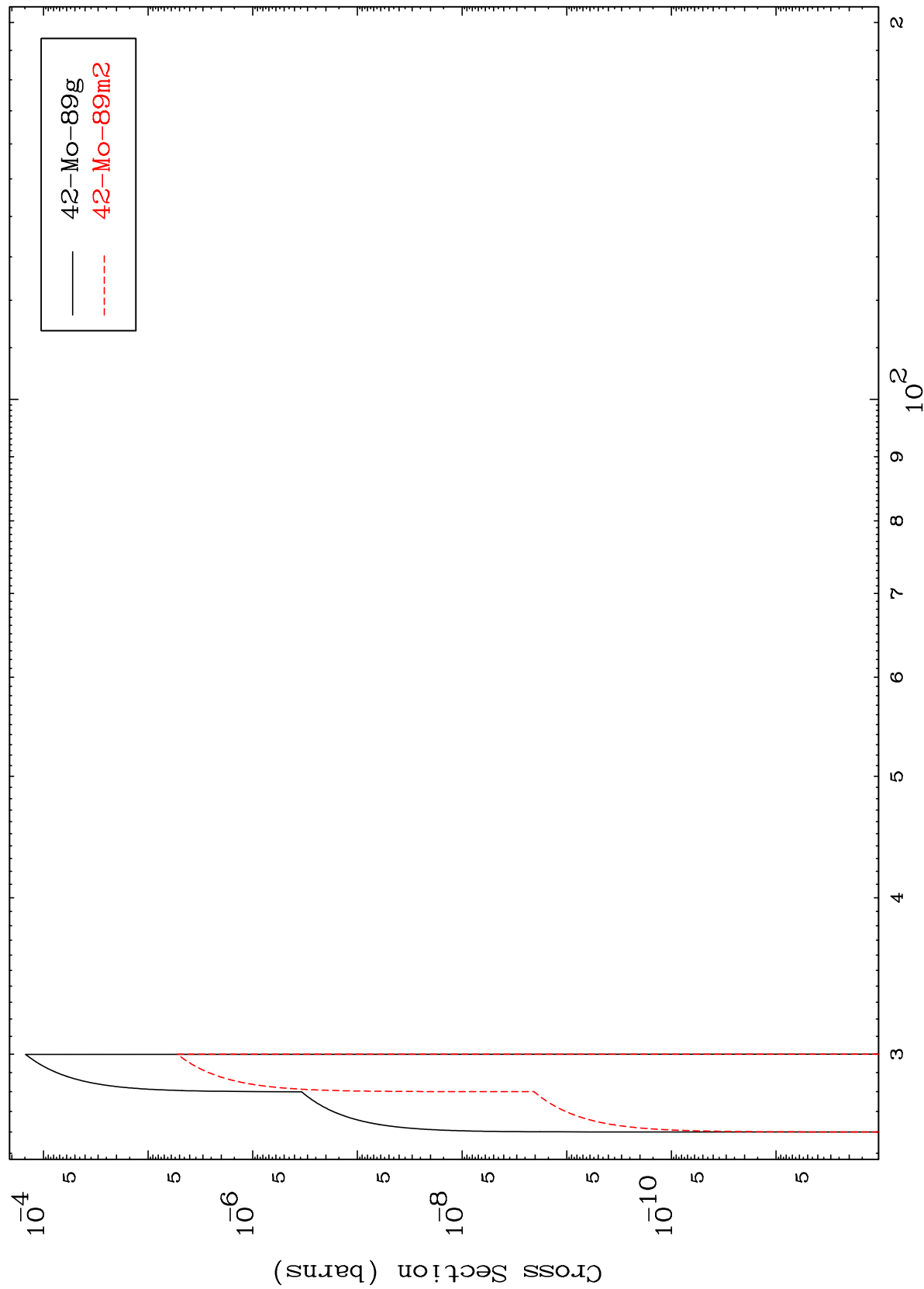
42-Mo-91m

MAT 4223

(n,3n) p

42-Mo-91m

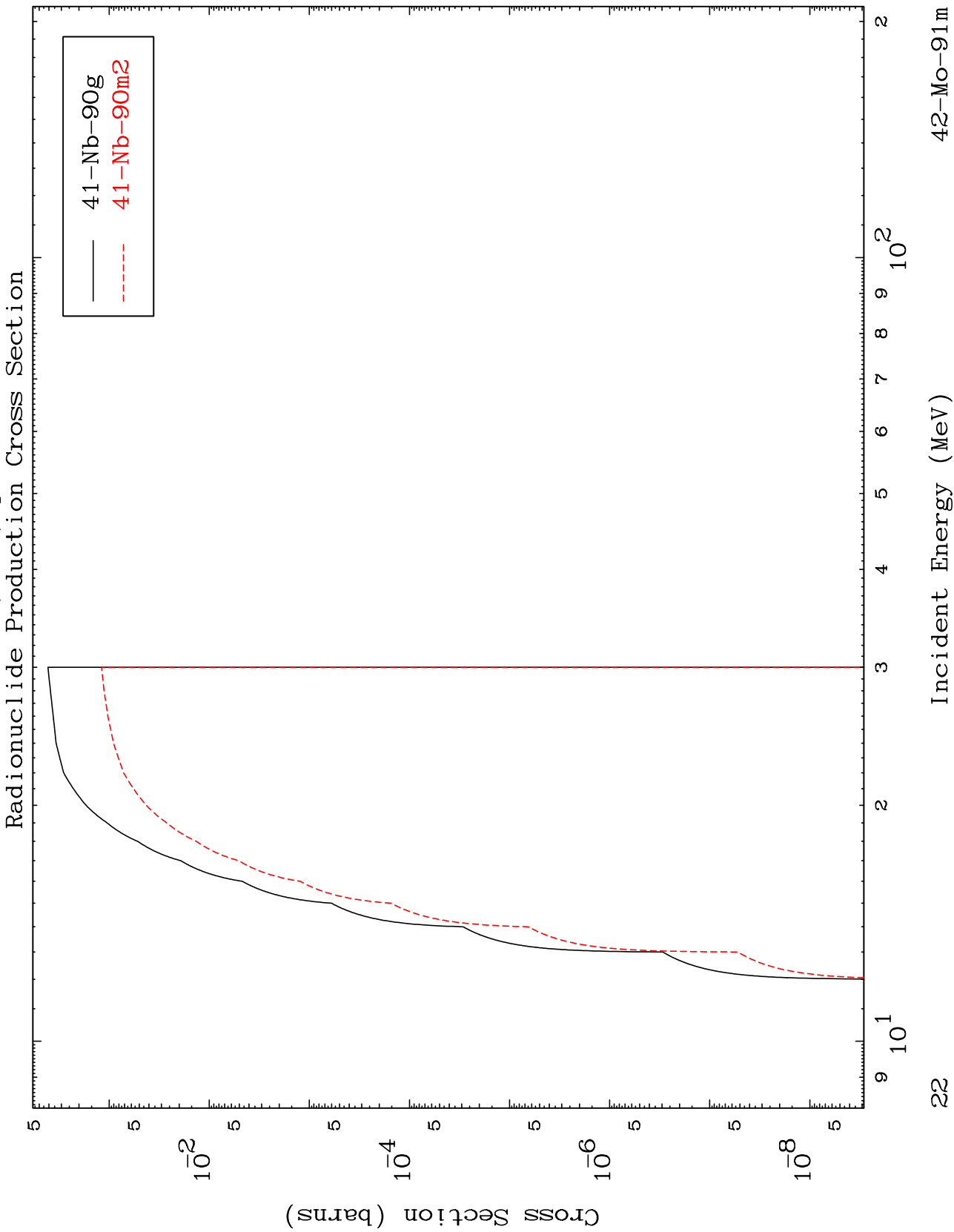
Radionuclide Production Cross Section



MAT 4223

(n,2n) p

42-Mo-91m



22

Incident Energy (MeV)

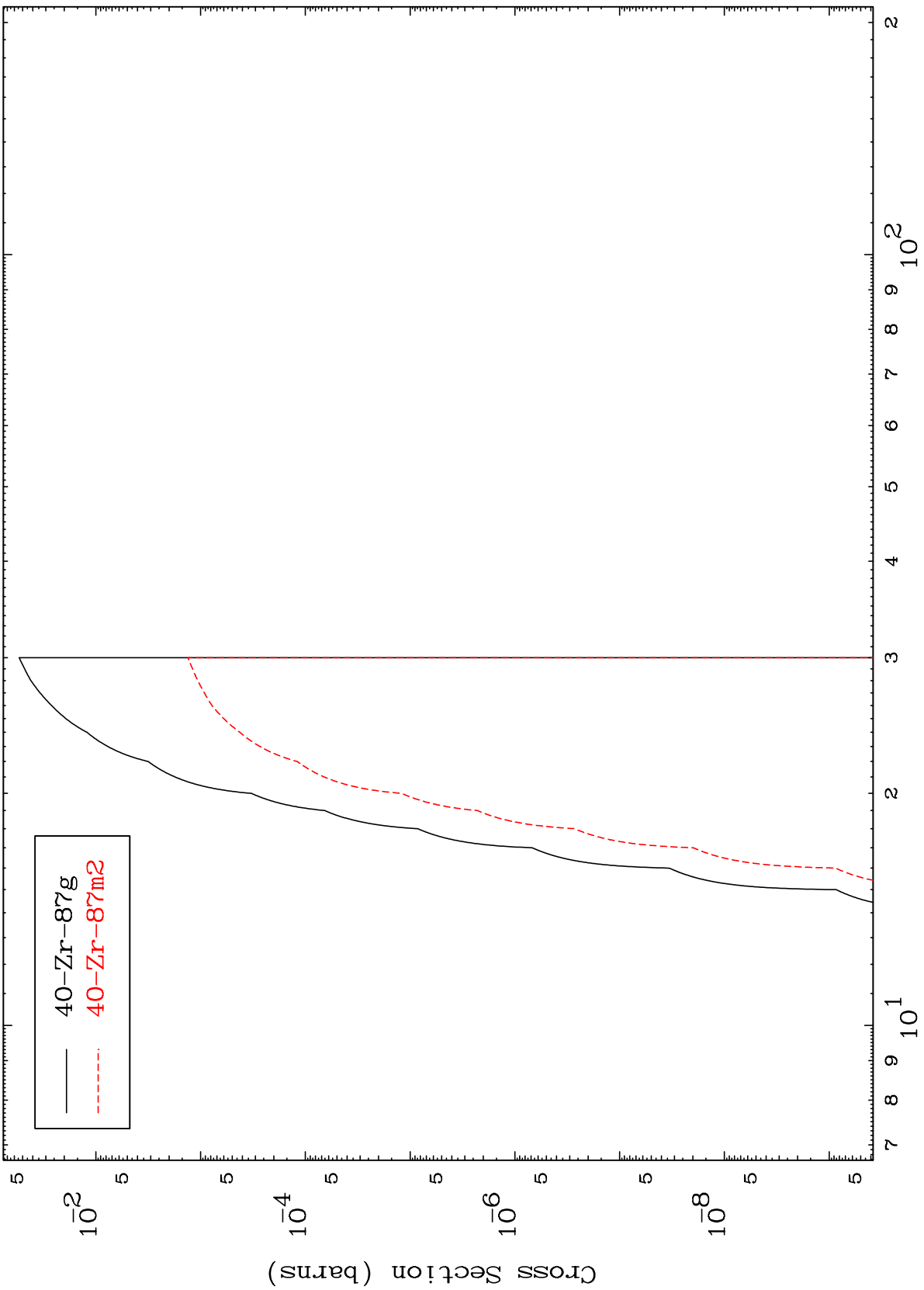
42-Mo-91m

MAT 4223

(n,n') p α

42-Mo-91m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

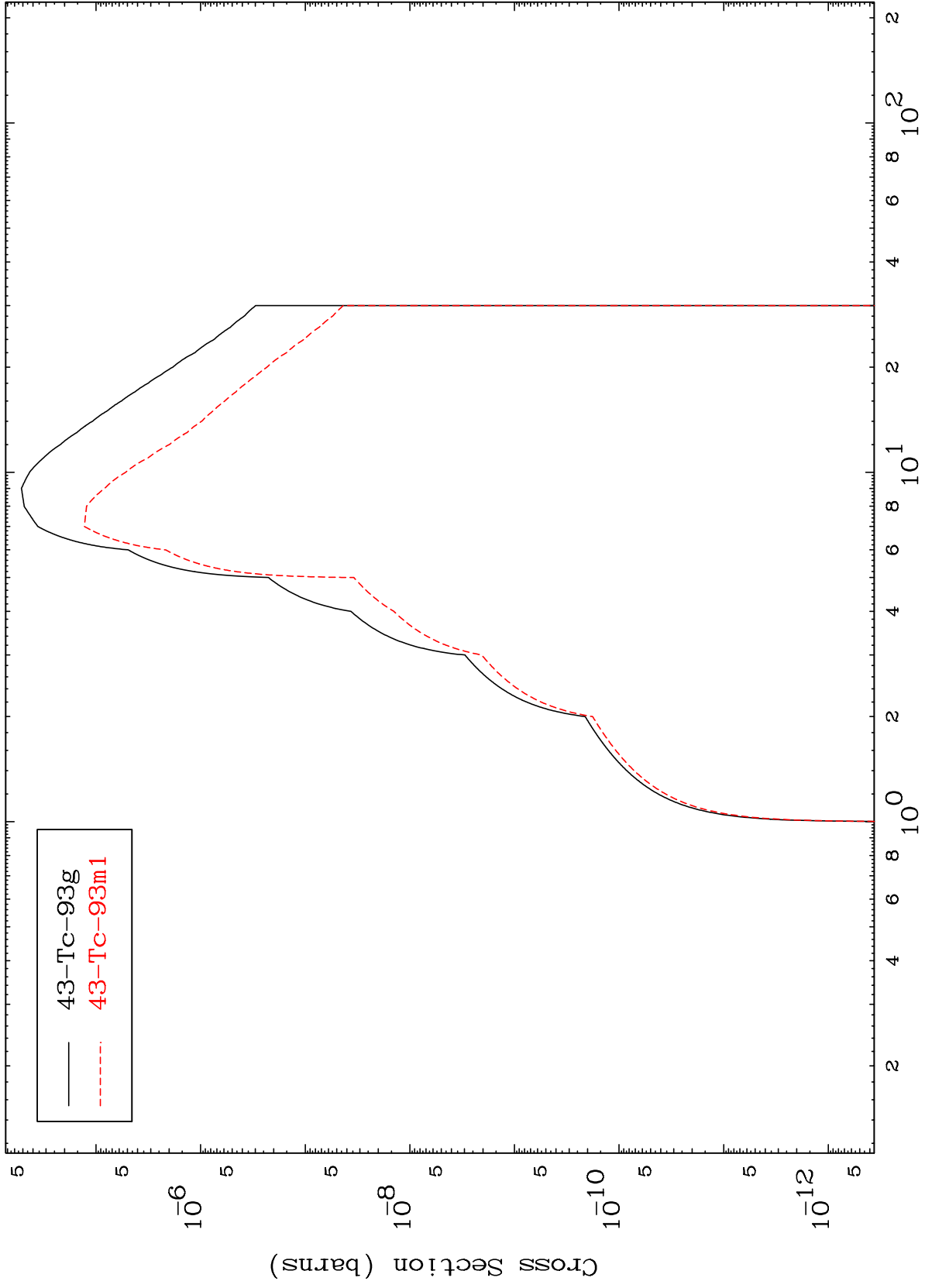
42-Mo-91m



MAT 4223

42-Mo-91m

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



24

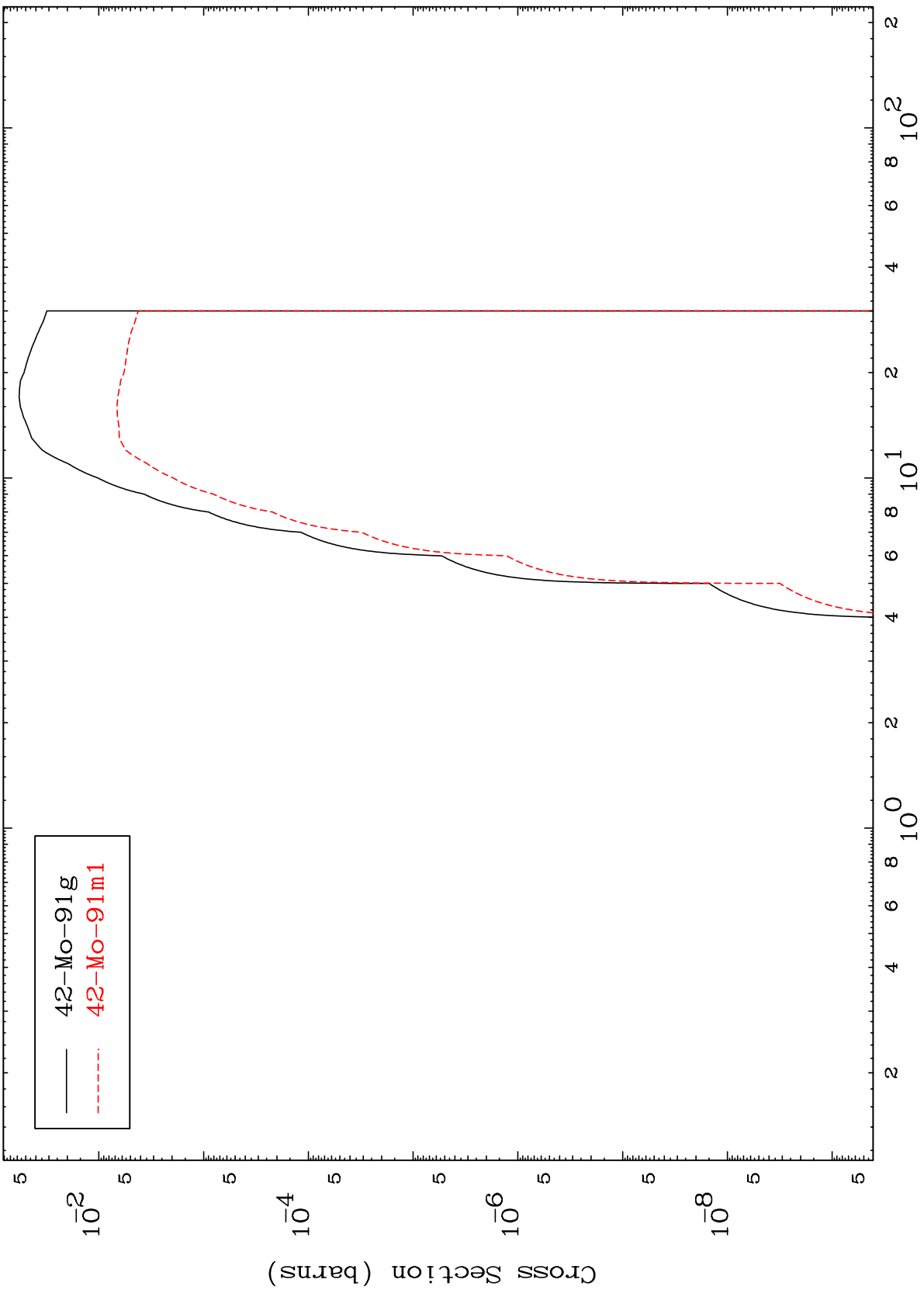
42-Mo-91m

MAT 4223

42-Mo-91m

(n,d)

Radionuclide Production Cross Section



— 42-Mo-91g  
- - - 42-Mo-91m1

42-Mo-91m

Incident Energy (MeV)

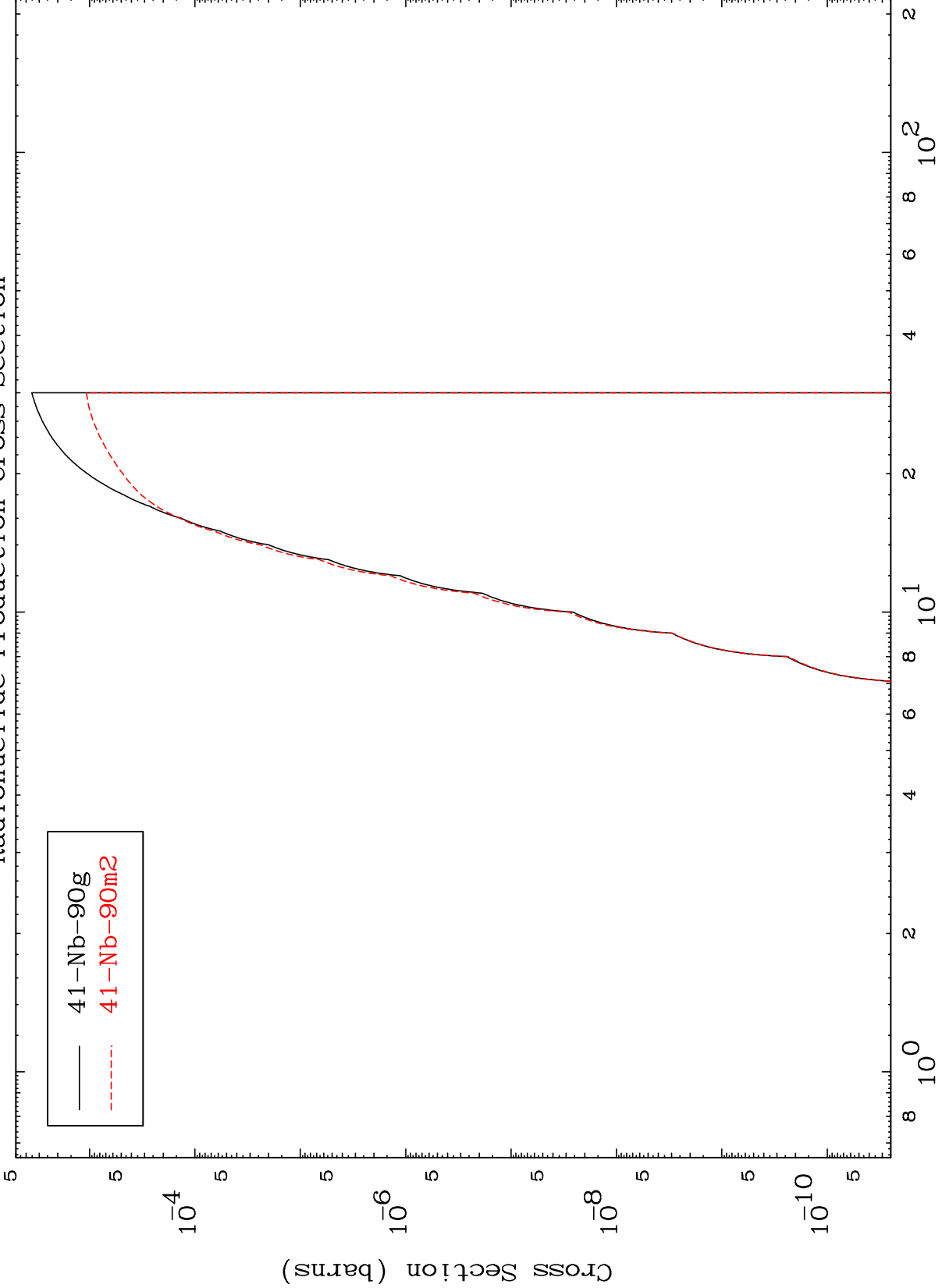
25

MAT 4223

(n,He-3)

42-Mo-91m

Radionuclide Production Cross Section



41-Nb-90g  
41-Nb-90m2

26

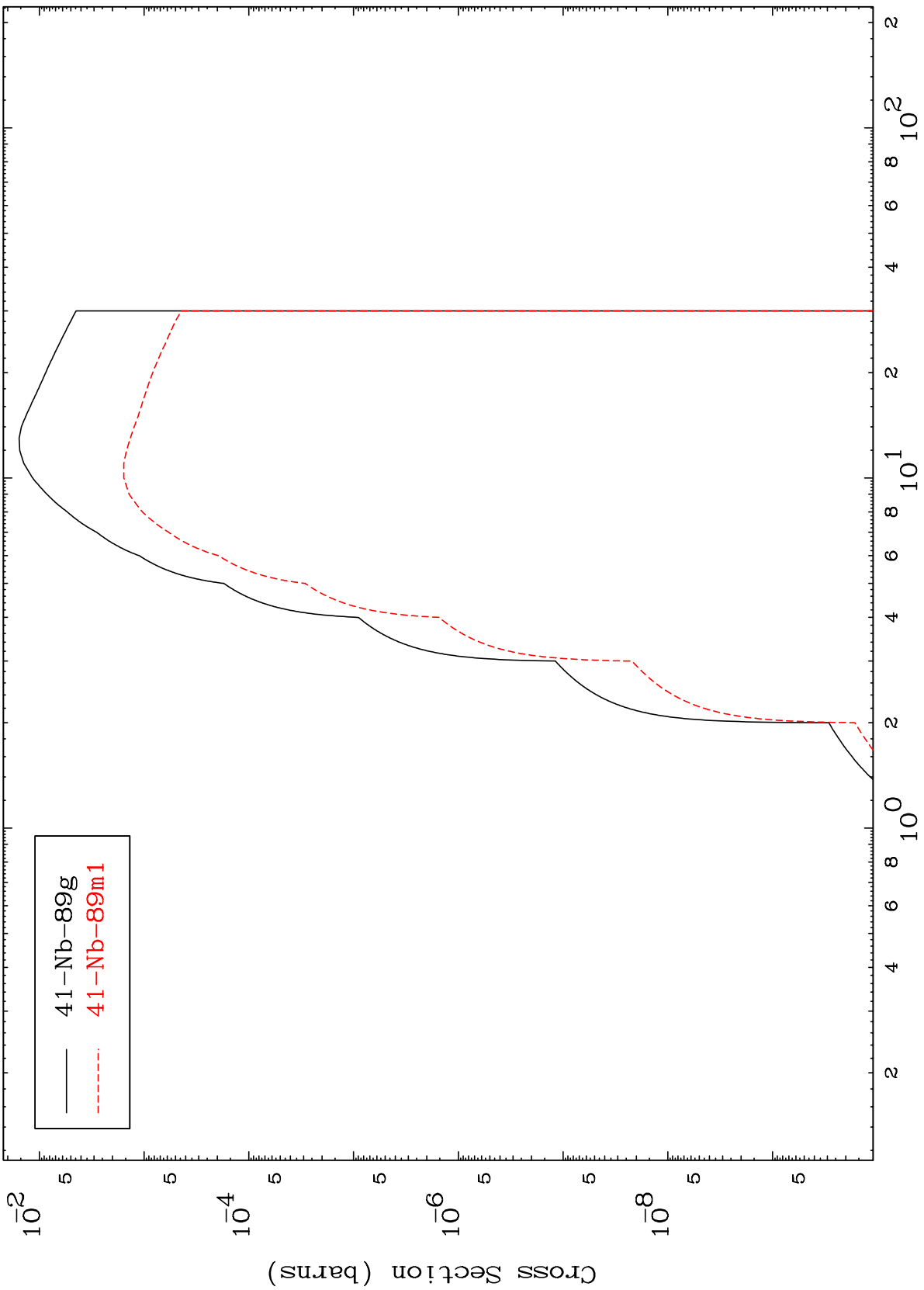
Incident Energy (MeV)

42-Mo-91m

MAT 4223

42-Mo-91m

(n,  $\alpha$ )  
Radionuclide Production Cross Section



— 41-Nb-89g  
- - - 41-Nb-89m1

42-Mo-91m

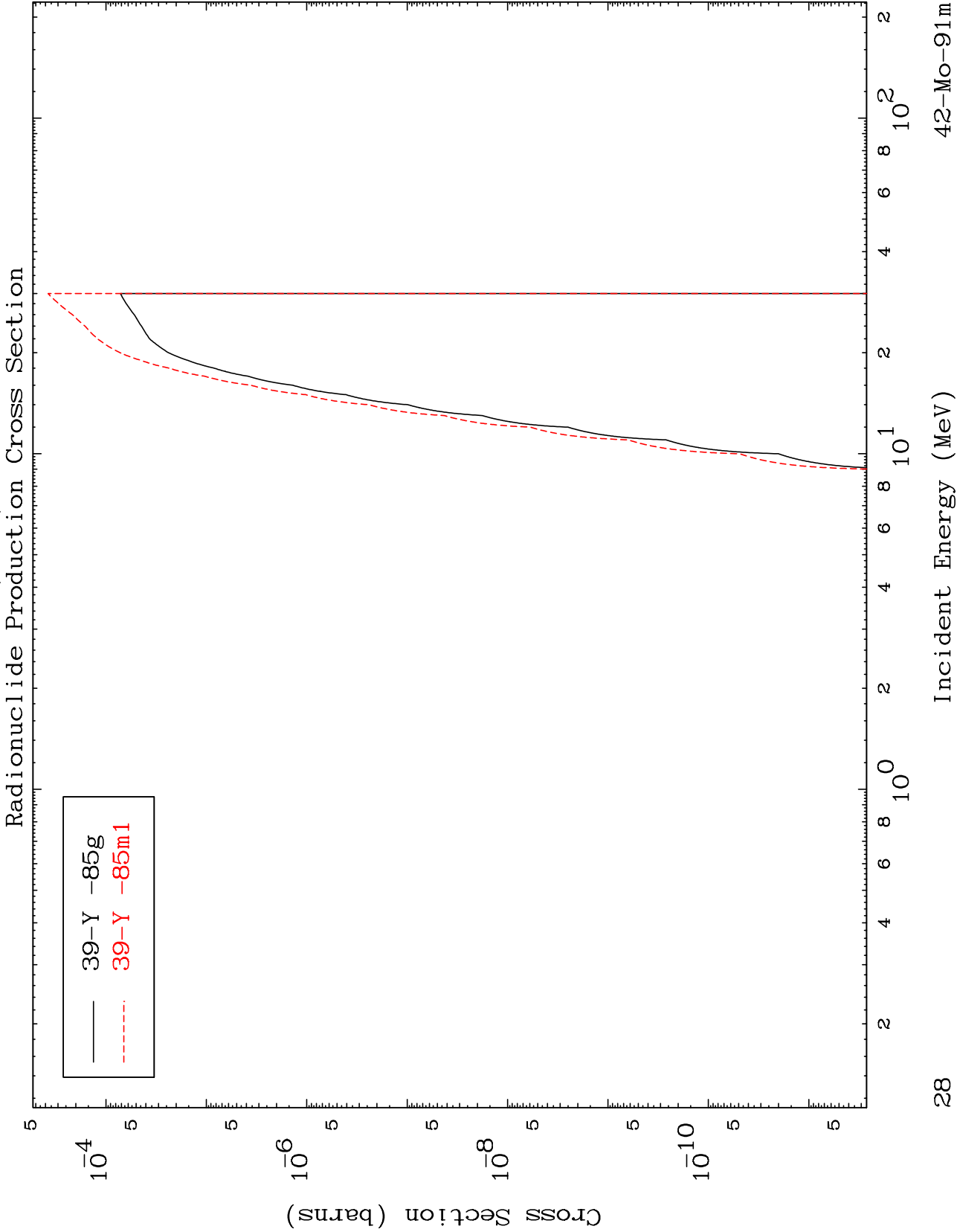
Incident Energy (MeV)

27

MAT 4223

(n,2α)

42-Mo-91m

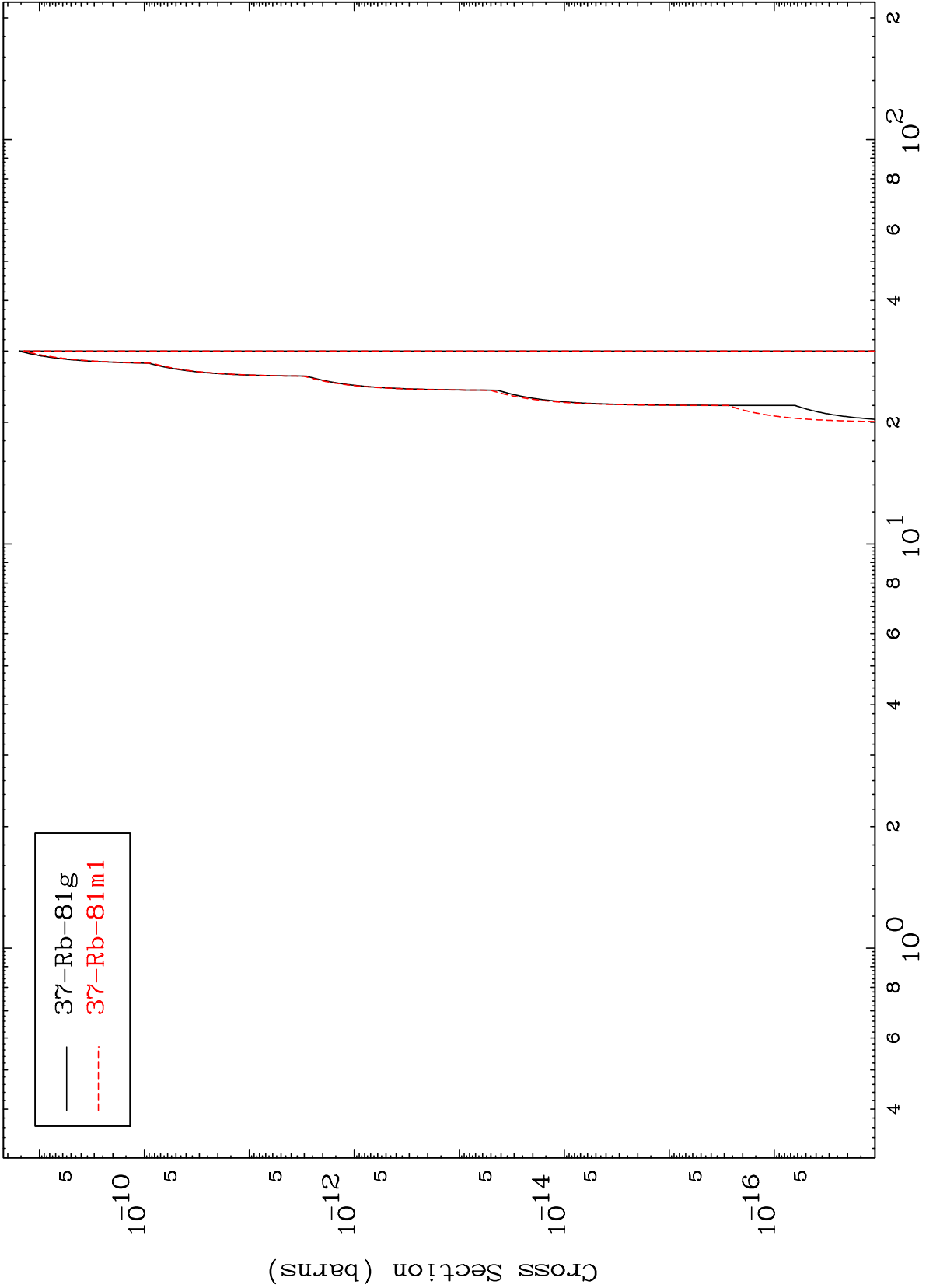


MAT 4223

(n,3α)

42-Mo-91m

Radionuclide Production Cross Section

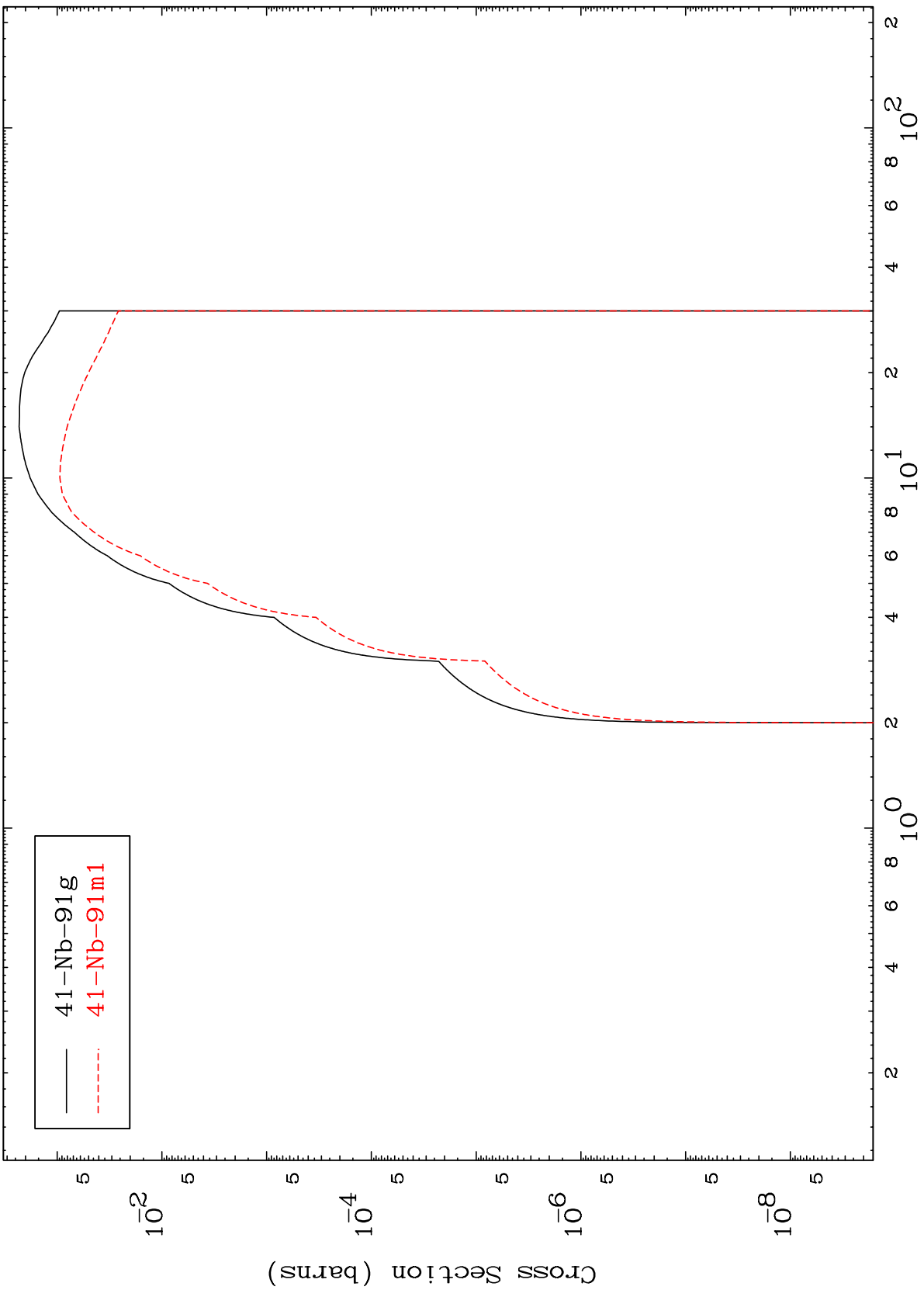


— 37-Rb-81g  
- - - 37-Rb-81m1

MAT 4223

42-Mo-91m

(n,2p)  
Radionuclide Production Cross Section

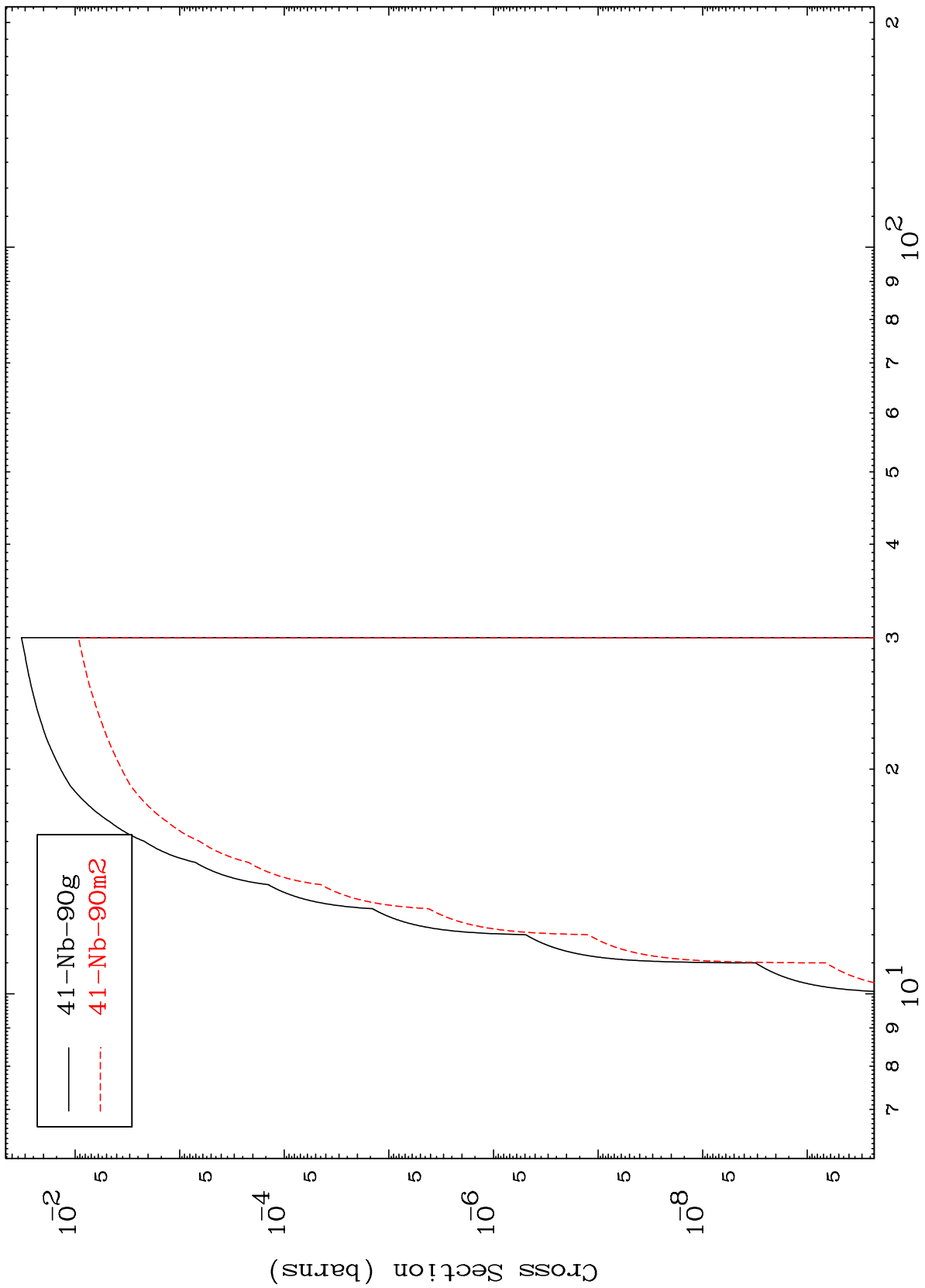


MAT 4223

(n,p) d

42-Mo-91m

Radionuclide Production Cross Section



31

Incident Energy (MeV)

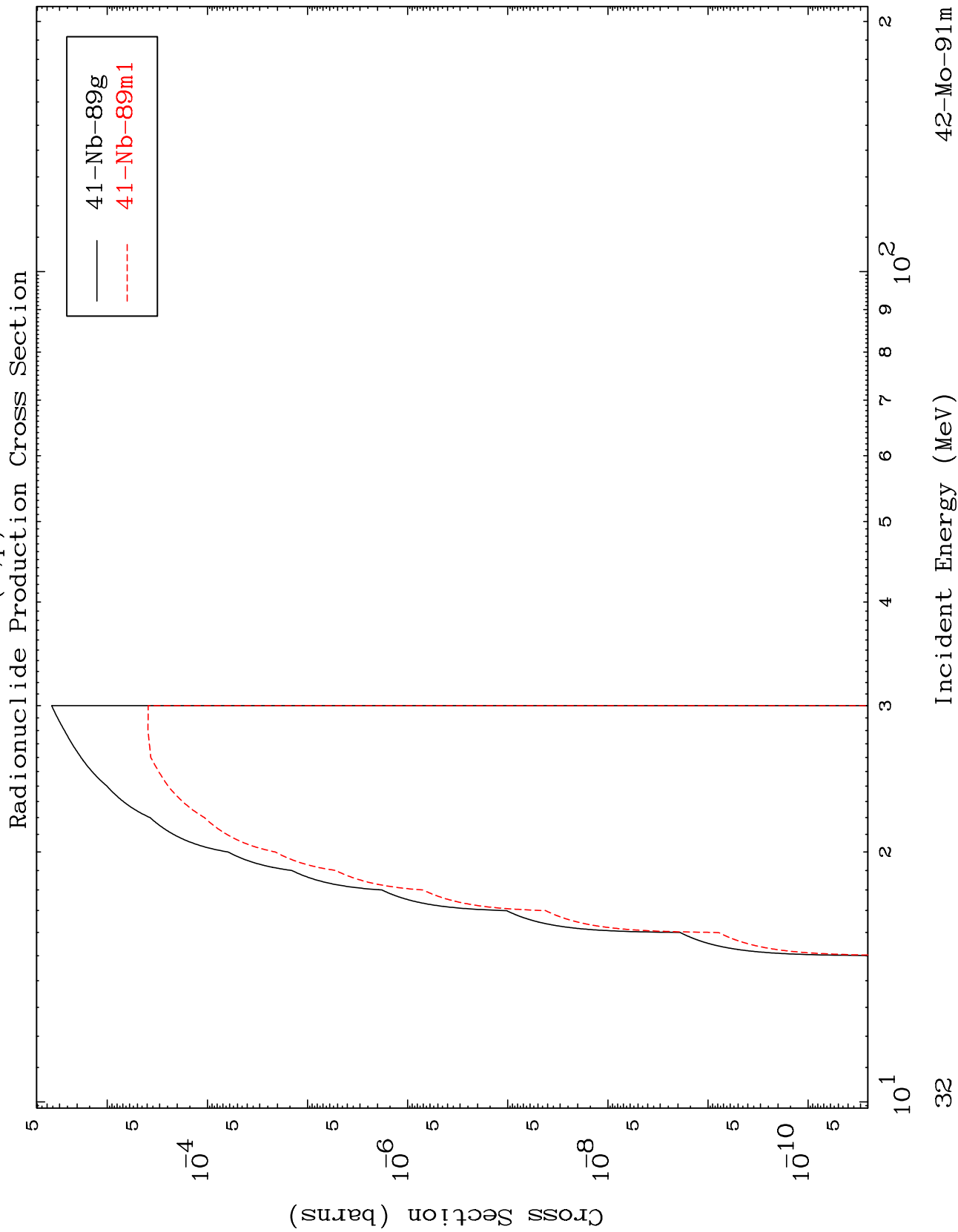
42-Mo-91m



MAT 4223

(n,p) t

42-Mo-91m

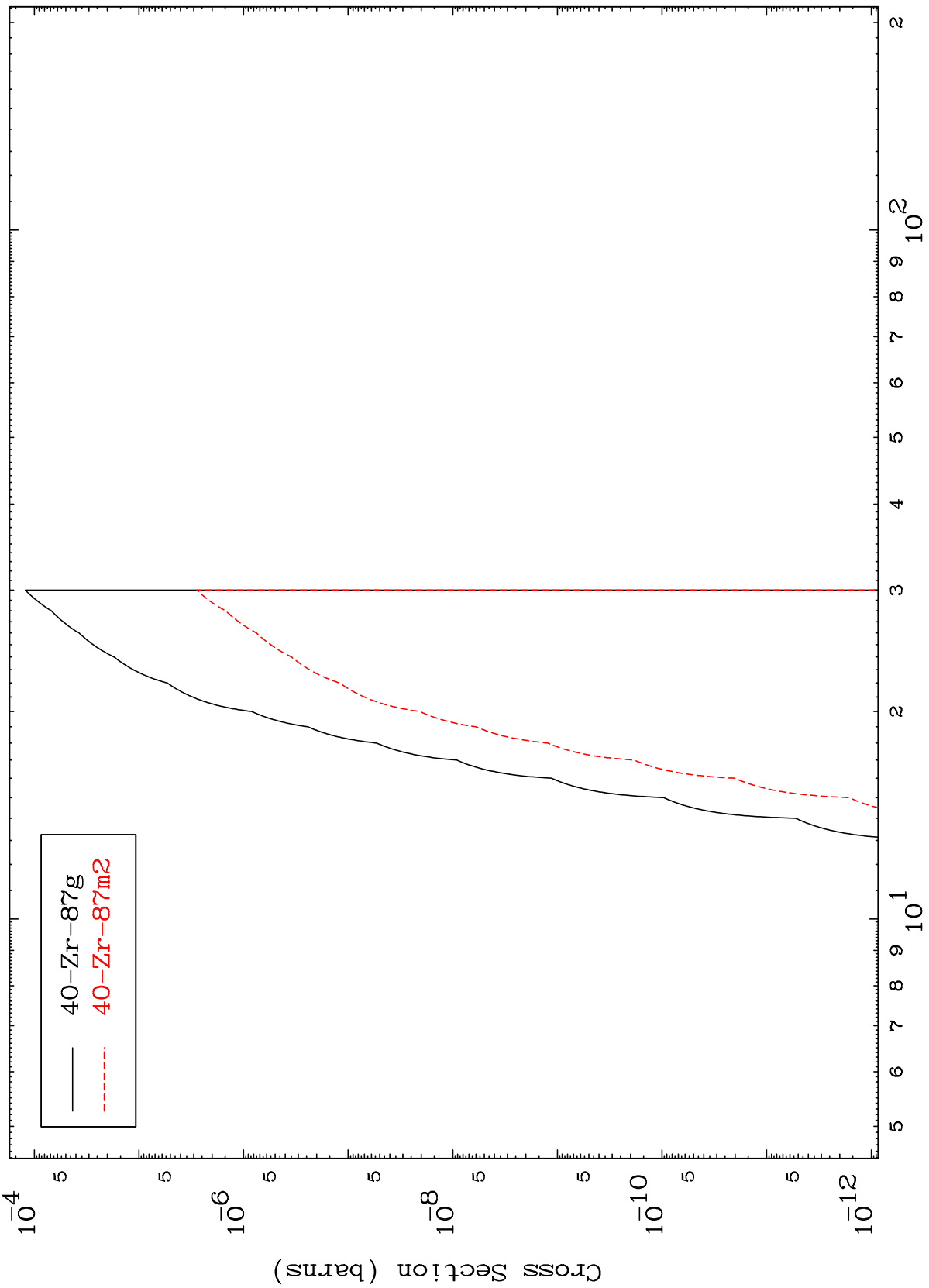


MAT 4223

(n,d)  $\alpha$

42-Mo-91m

Radionuclide Production Cross Section



— 40-Zr-87g  
- - - 40-Zr-87m2

33

Incident Energy (MeV)

42-Mo-91m