

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

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

Tele: 925-443-1911

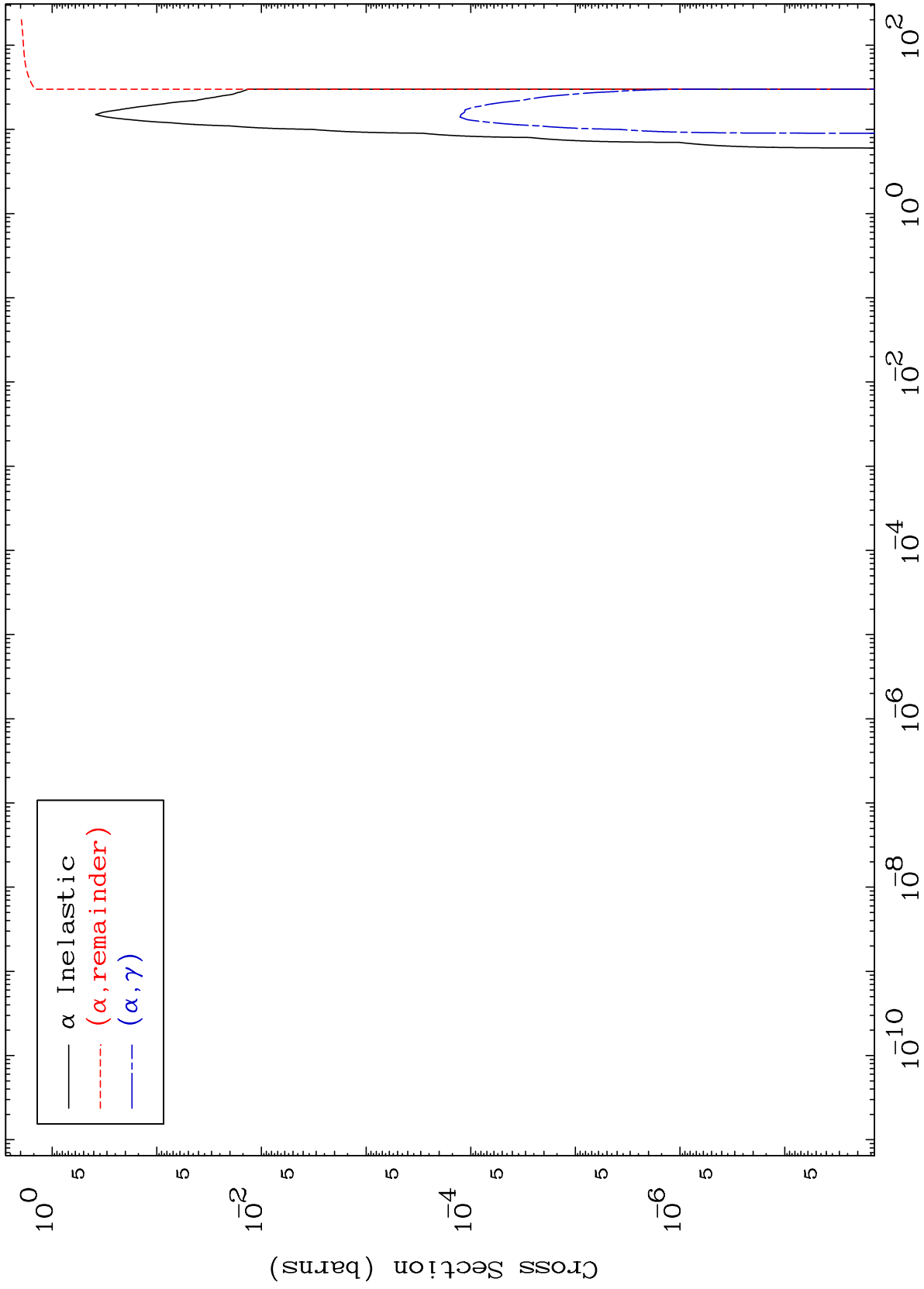
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4128

0 Kelvin  $\alpha$  Major  
Cross Sections

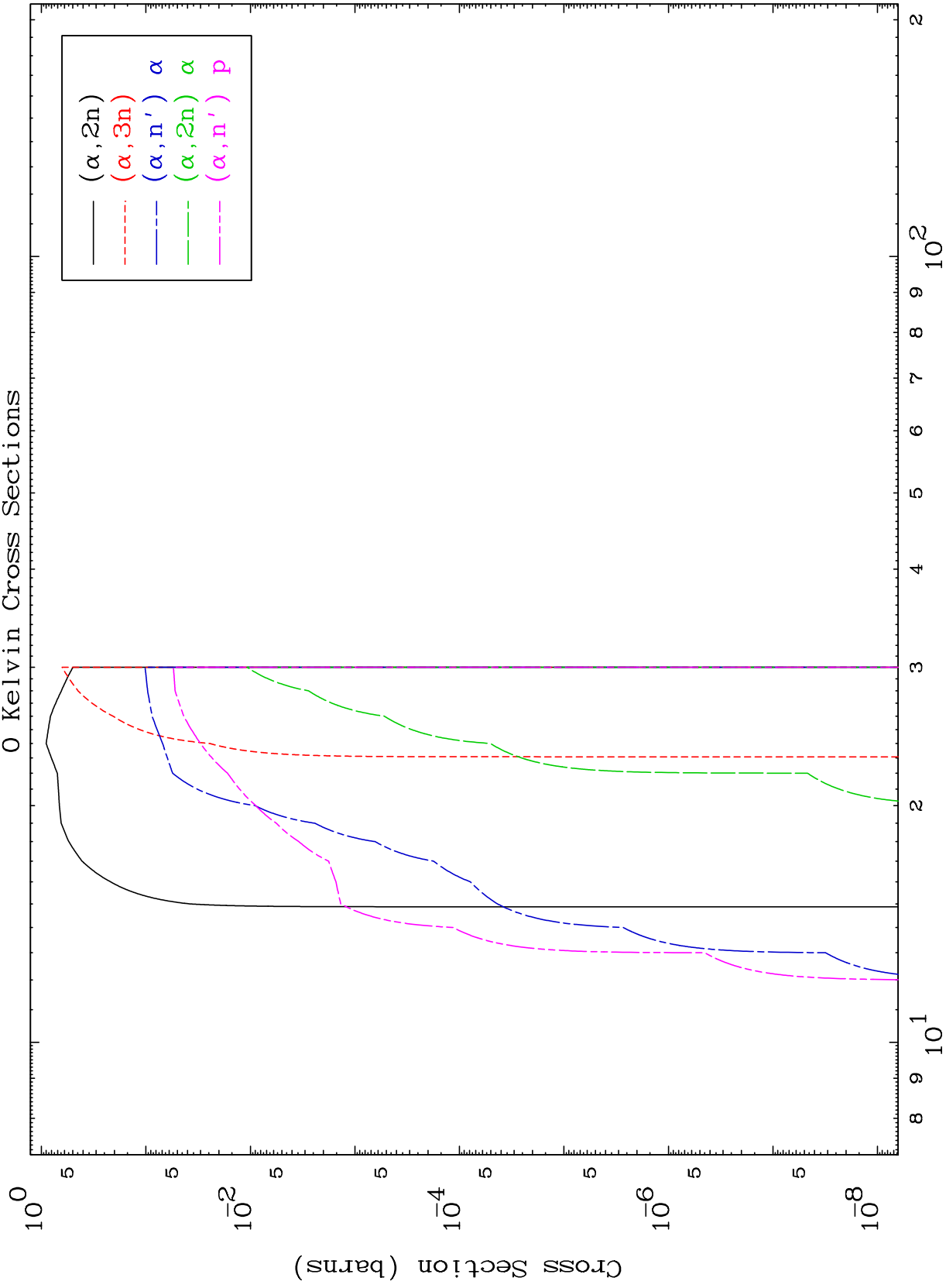
41-Nb-94



MAT 4128

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

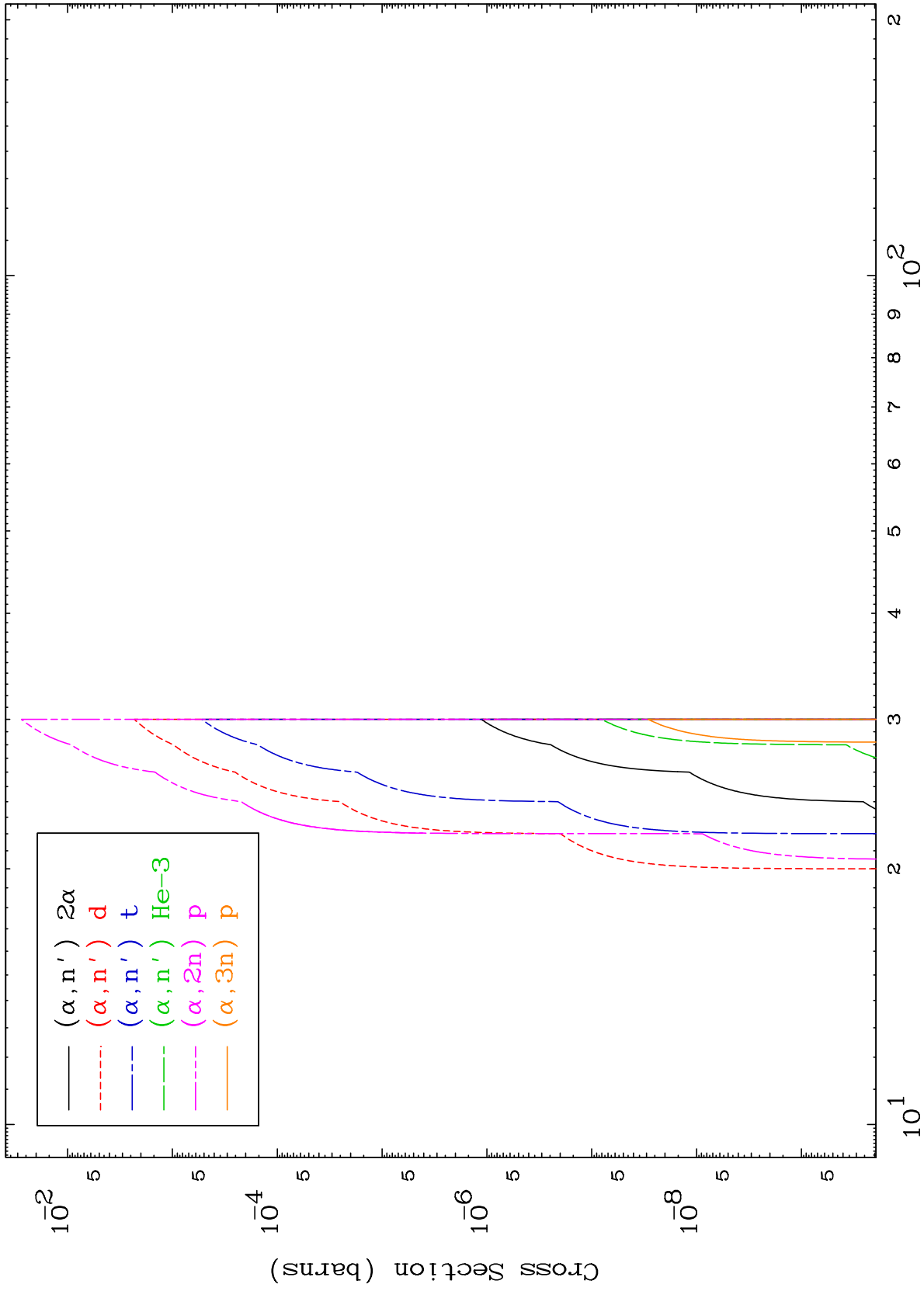
41-Nb-94

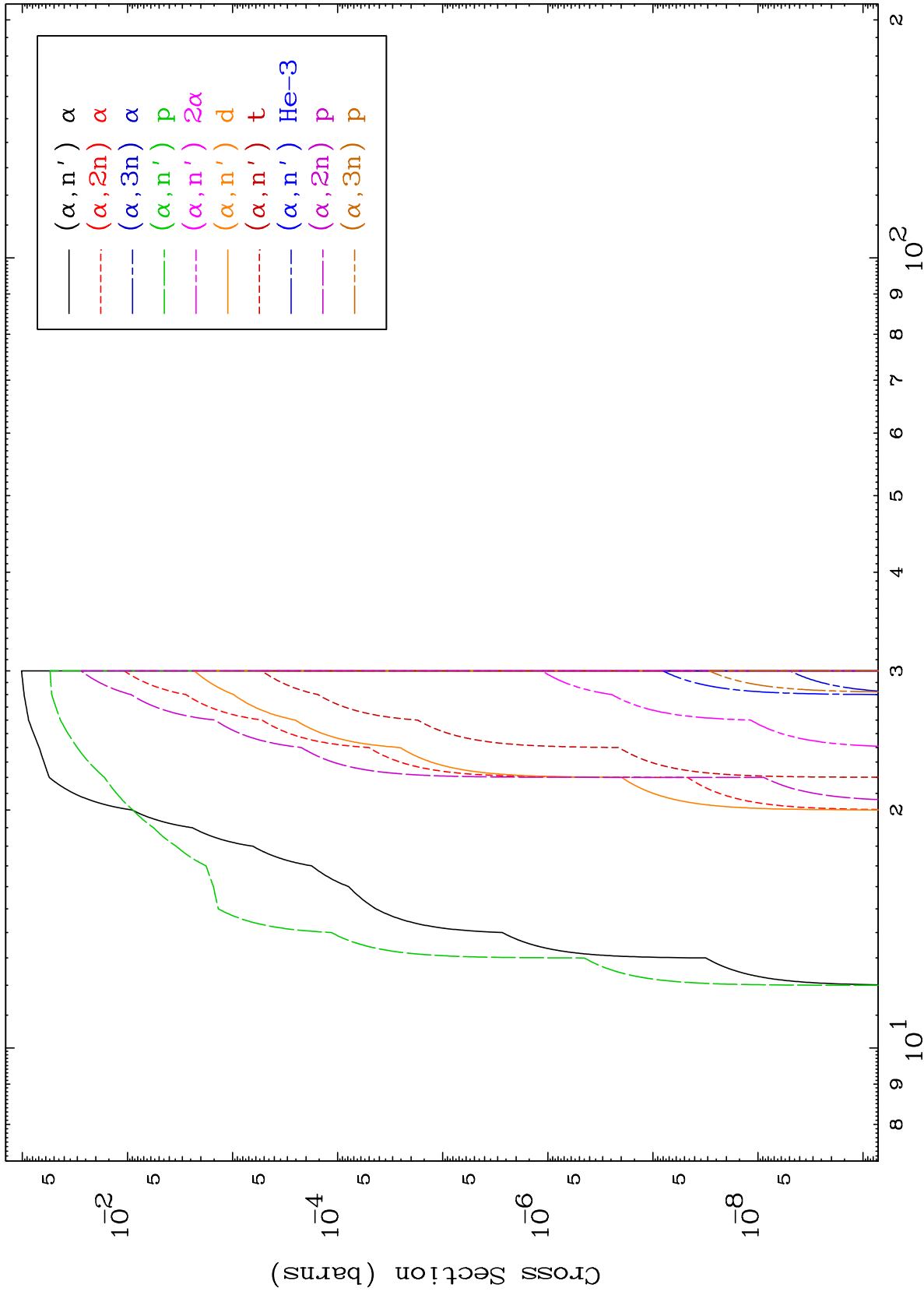


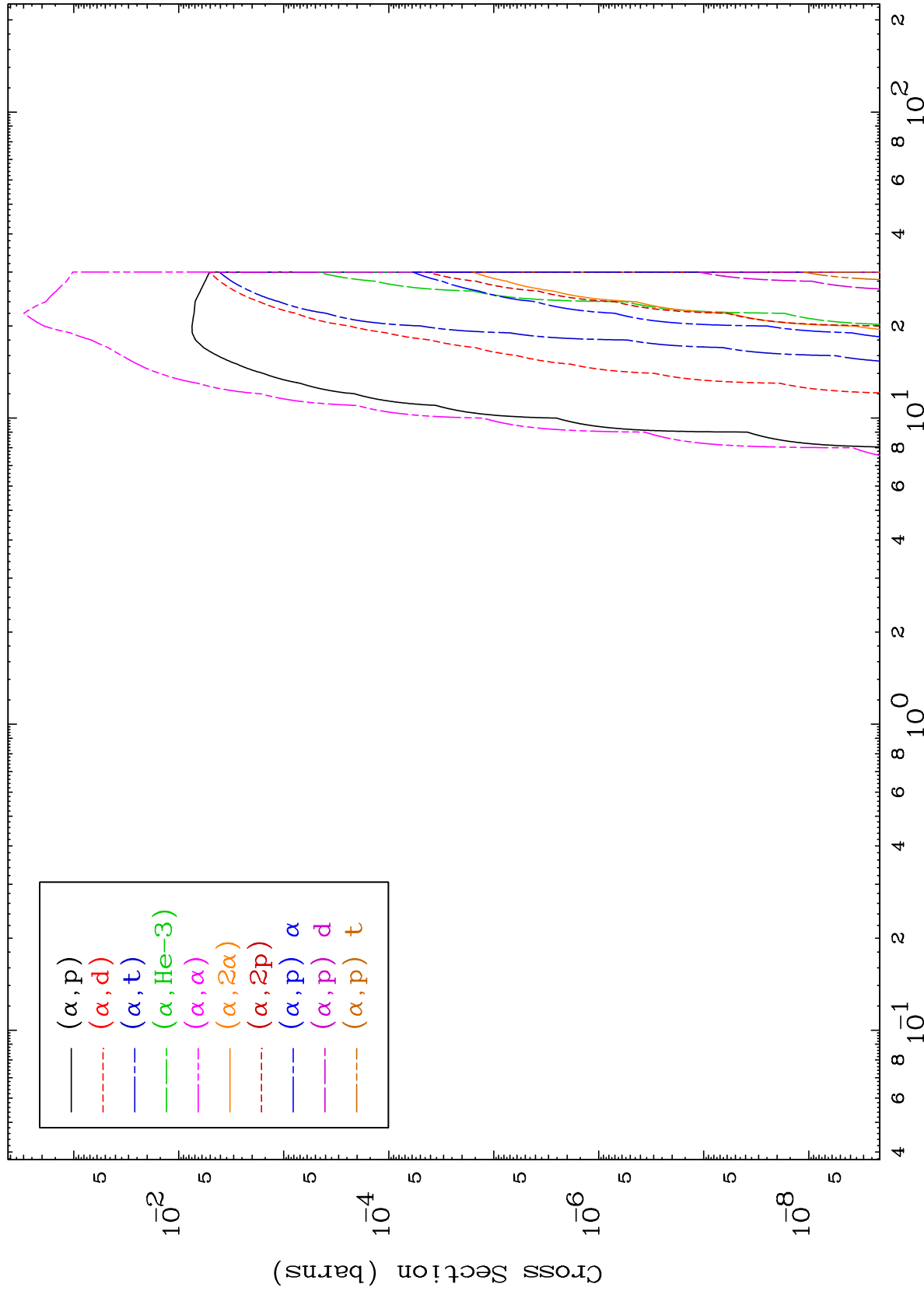
2

Incident Energy (MeV)

41-Nb-94



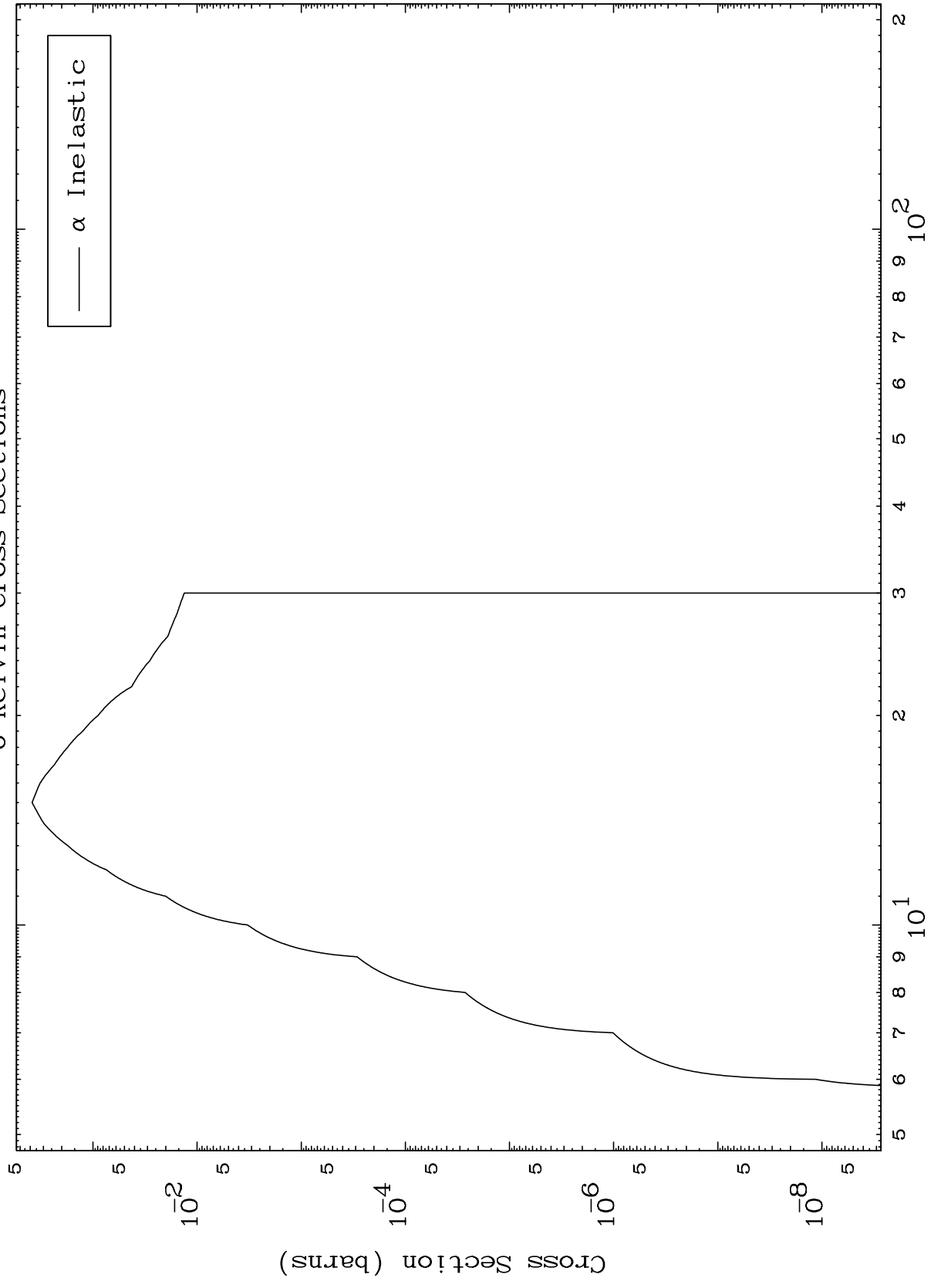




MAT 4128

( $\alpha, n'$ ) Level  
0 Kelvin Cross Sections

41-Nb-94



—  $\alpha$  Inelastic

6

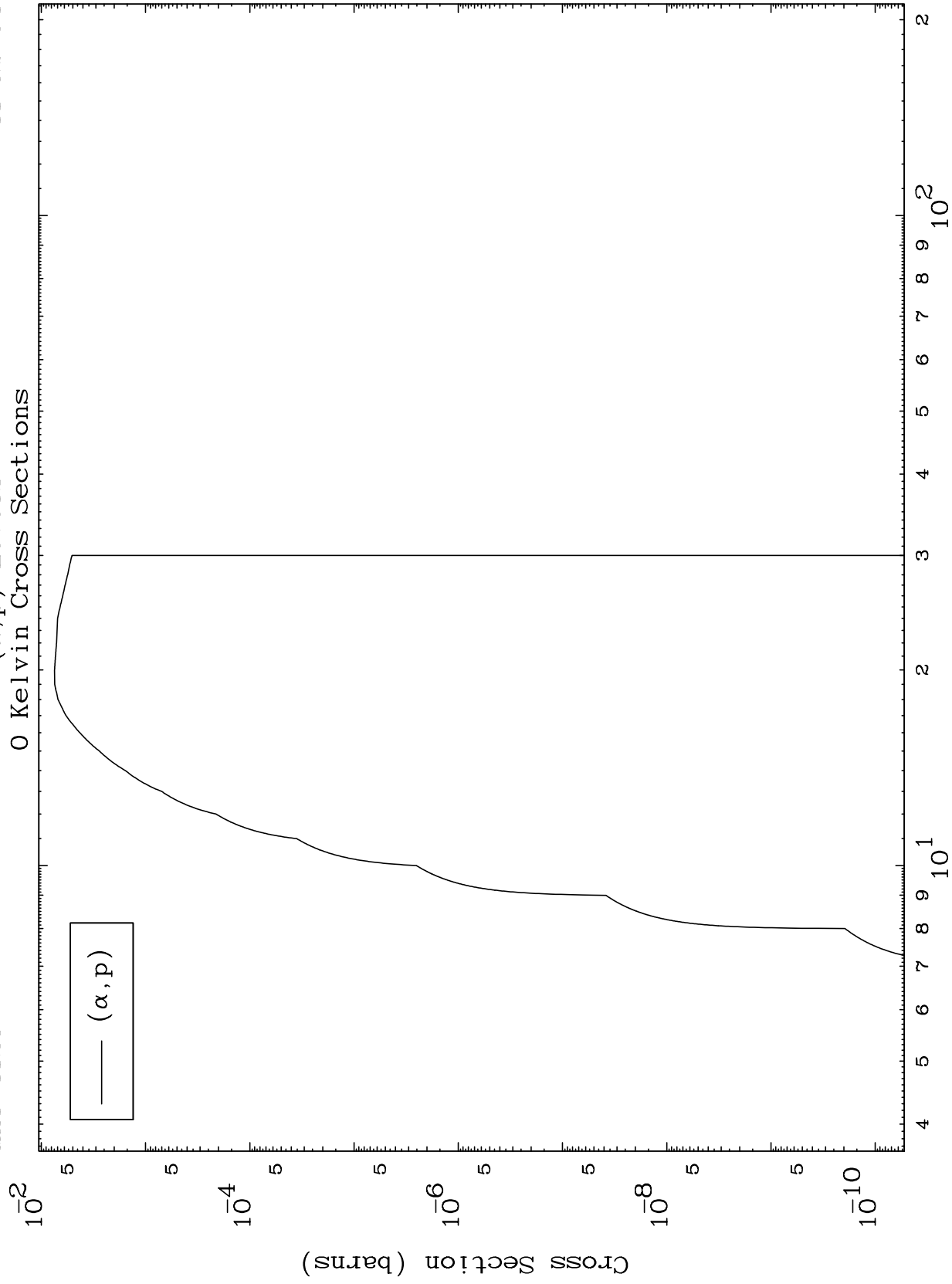
Incident Energy (MeV)

41-Nb-94

MAT 4128

( $\alpha, p$ ) Levels  
0 Kelvin Cross Sections

41-Nb-94



7

Incident Energy (MeV)

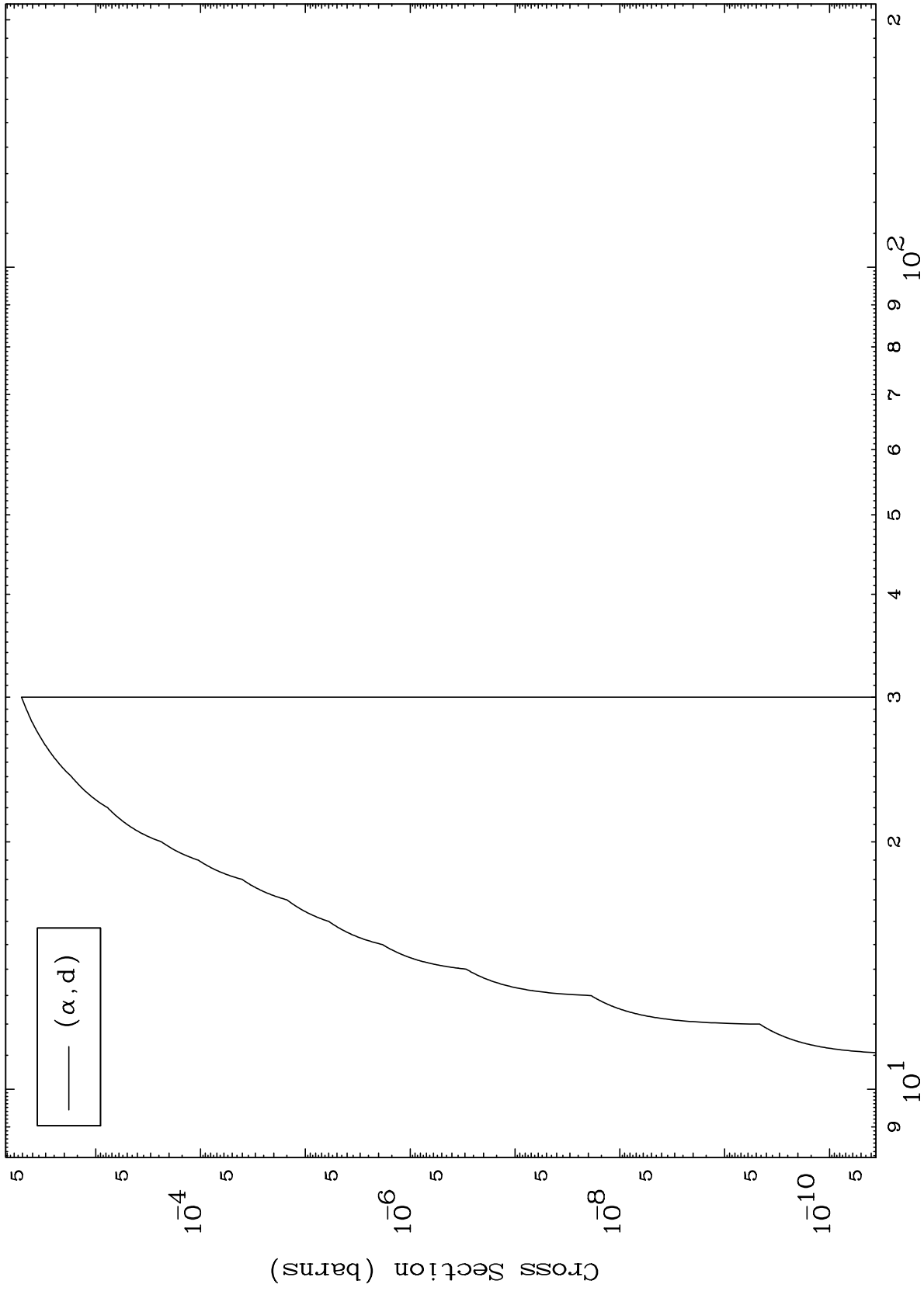
41-Nb-94



MAT 4128

( $\alpha, d$ ) Levels  
0 Kelvin Cross Sections

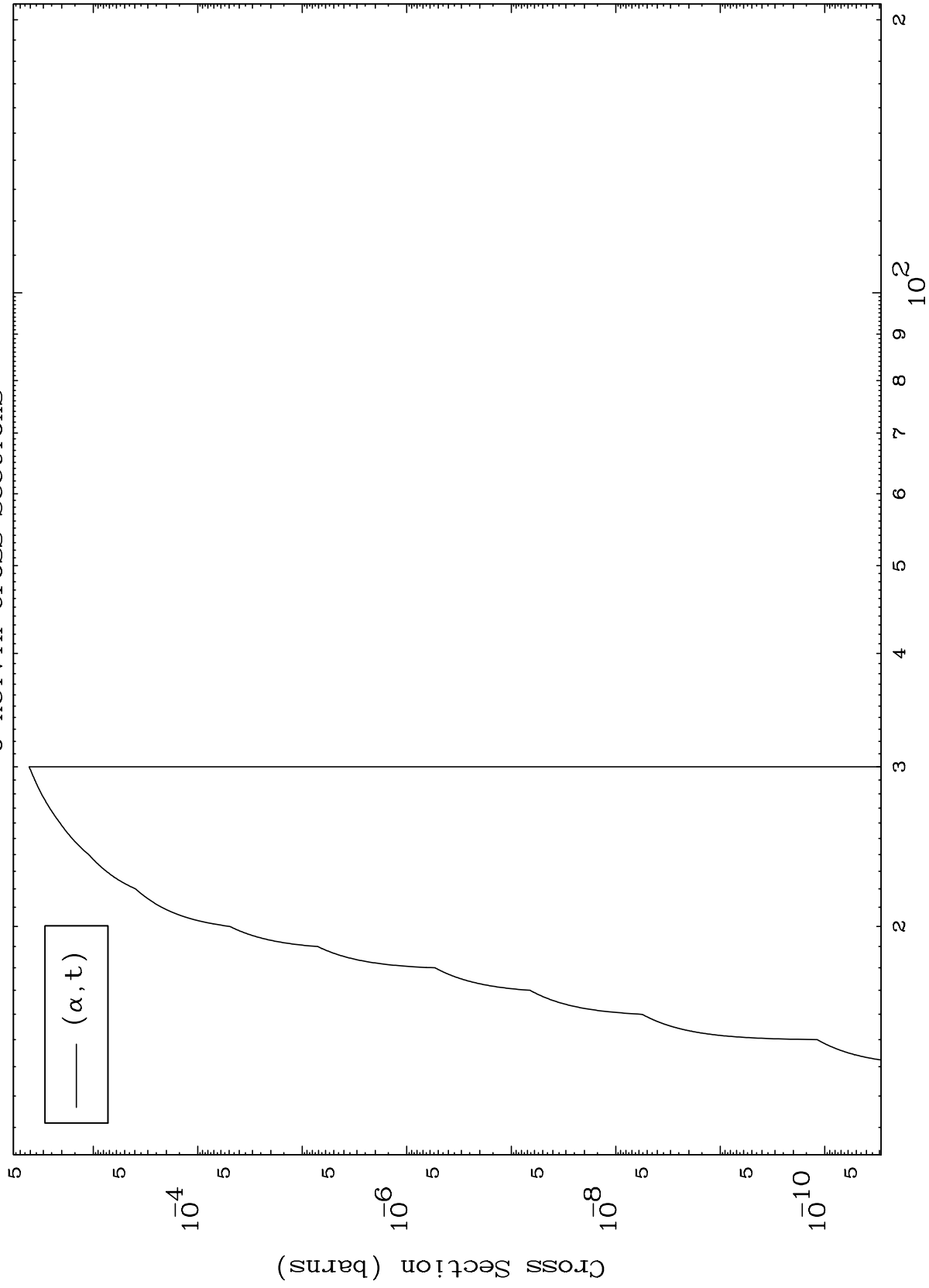
41-Nb-94



8

Incident Energy (MeV)

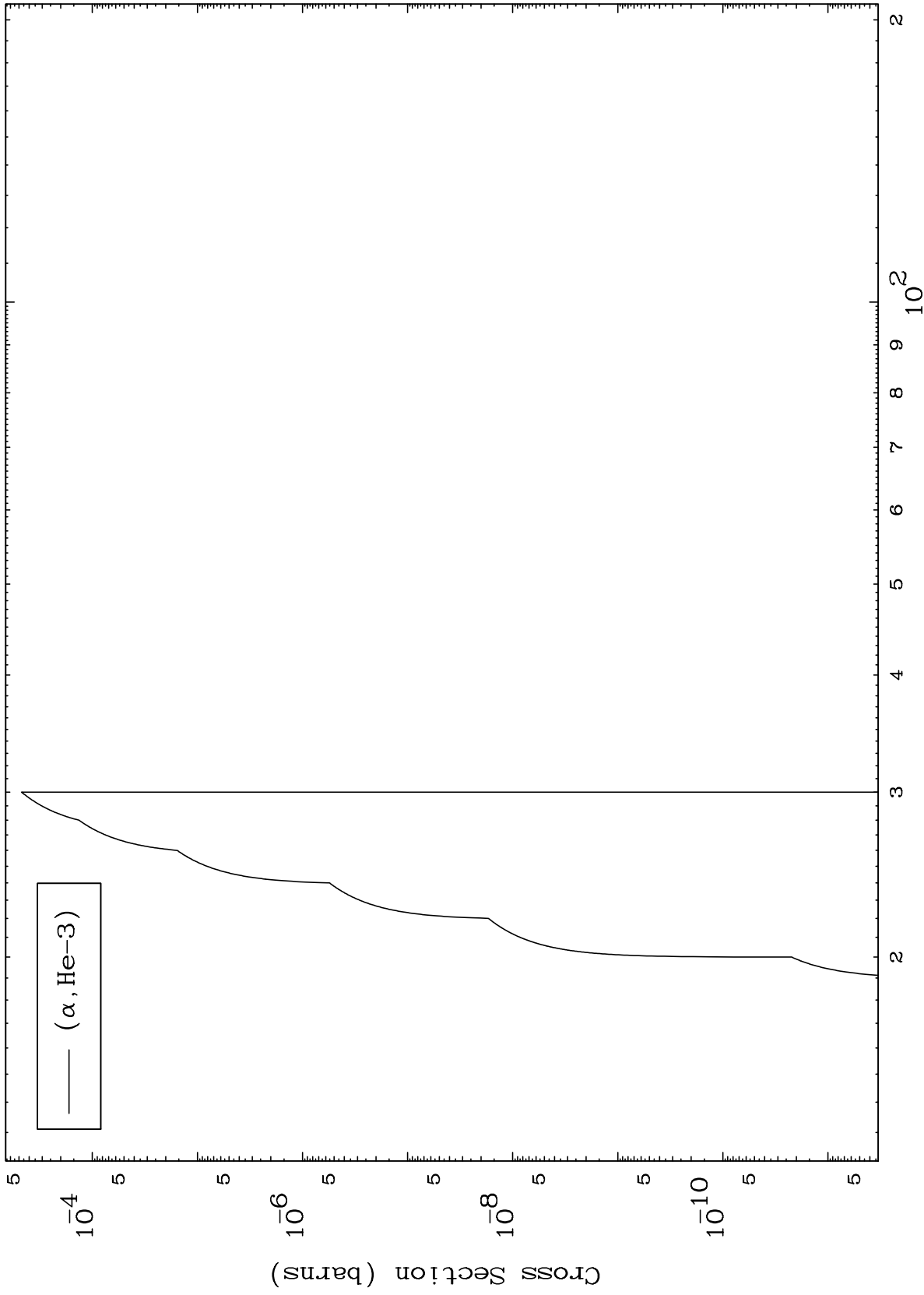
41-Nb-94



MAT 4128

( $\alpha$ ,He3) Levels  
0 Kelvin Cross Sections

41-Nb-94



10

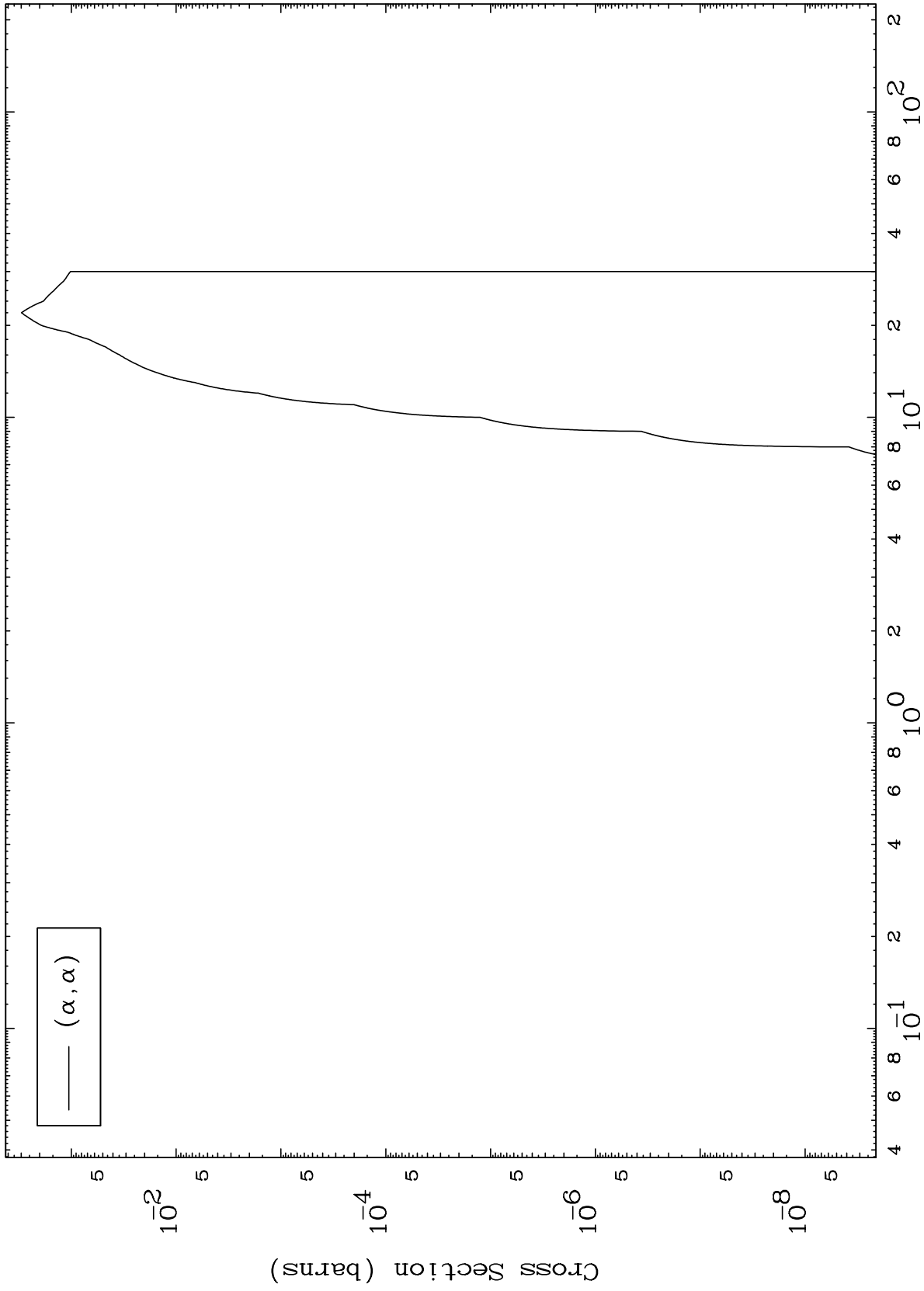
Incident Energy (MeV)

41-Nb-94

MAT 4128

( $\alpha, \alpha$ ) Levels  
0 Kelvin Cross Sections

41-Nb-94



11

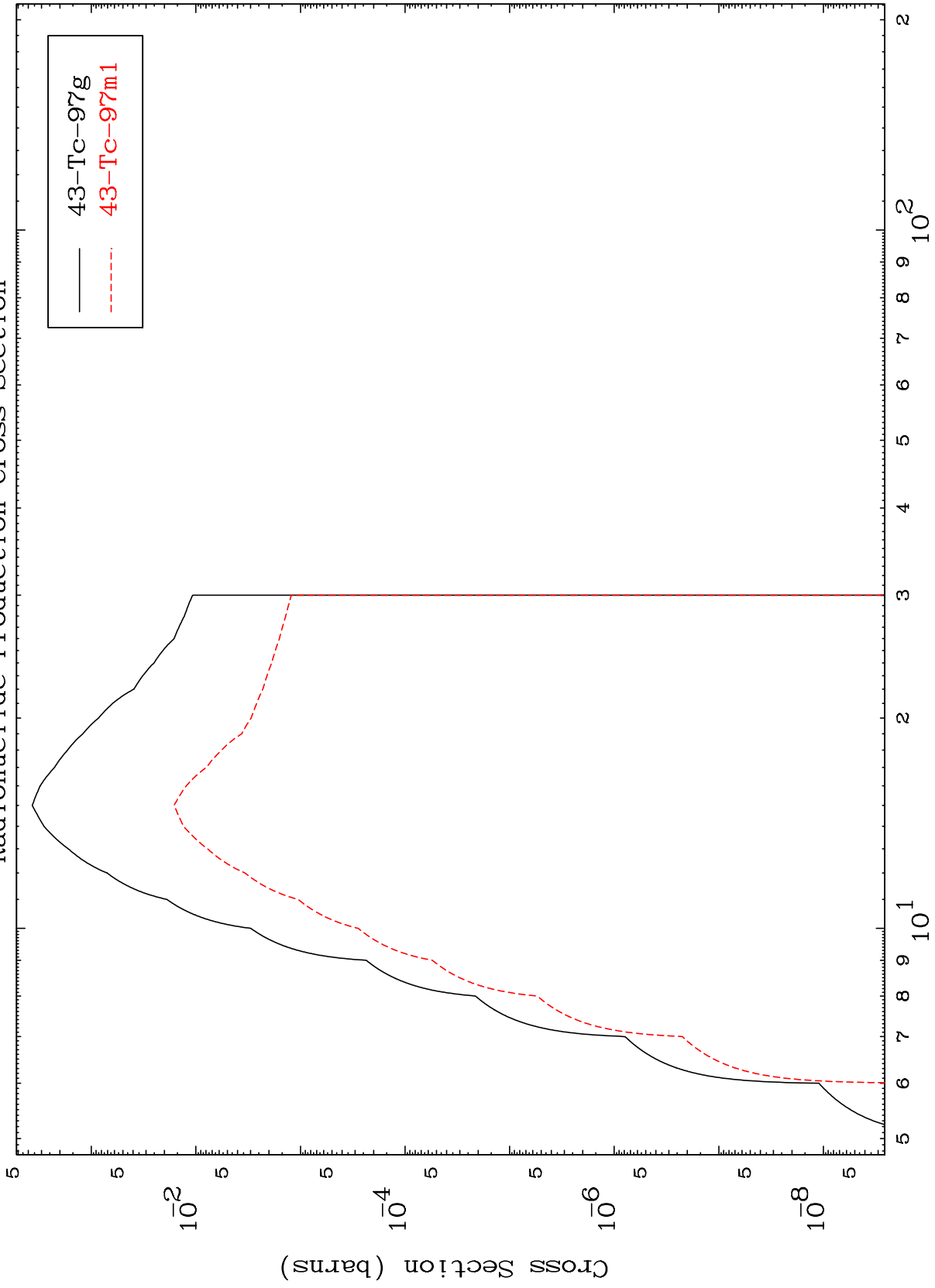
Incident Energy (MeV)

41-Nb-94

MAT 4128

Radionuclide Production Cross Section

41-Nb-94



12

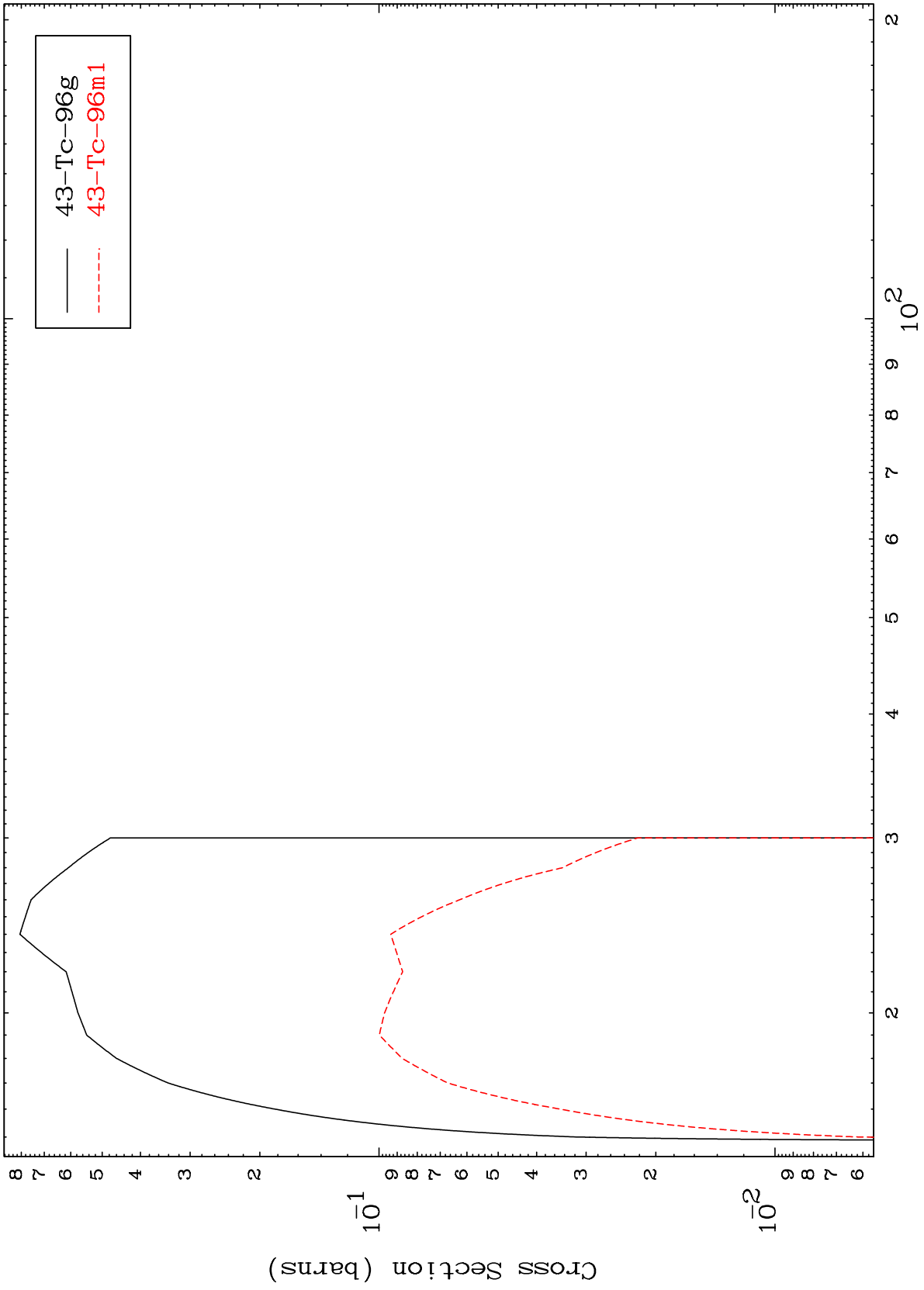
Incident Energy (MeV)

41-Nb-94

MAT 4128

41-Nb-94

( $\alpha, 2n$ )  
Radionuclide Production Cross Section



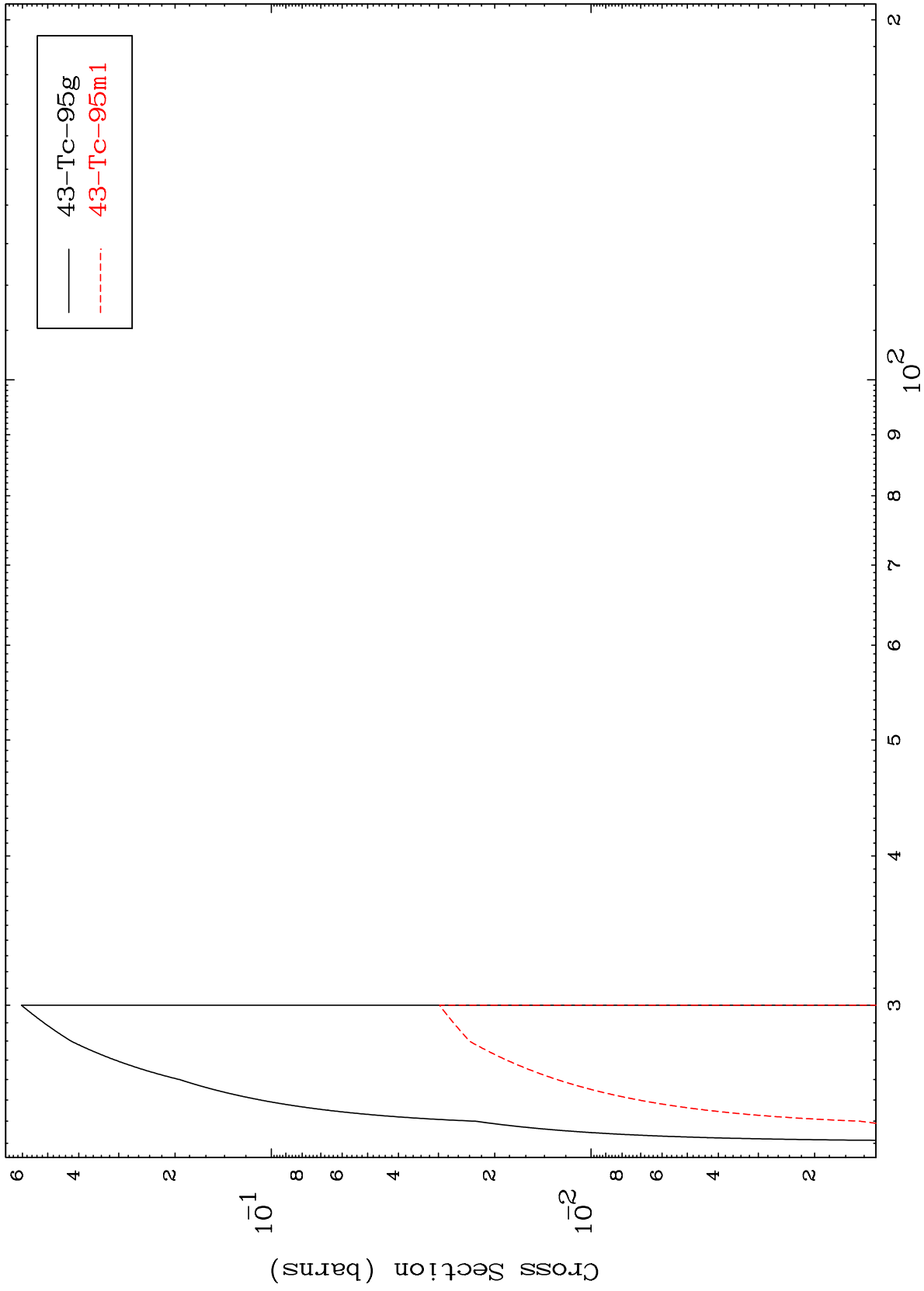
13

41-Nb-94

MAT 4128

41-Nb-94

Radionuclide Production Cross Section  
( $\alpha, 3n$ )



14

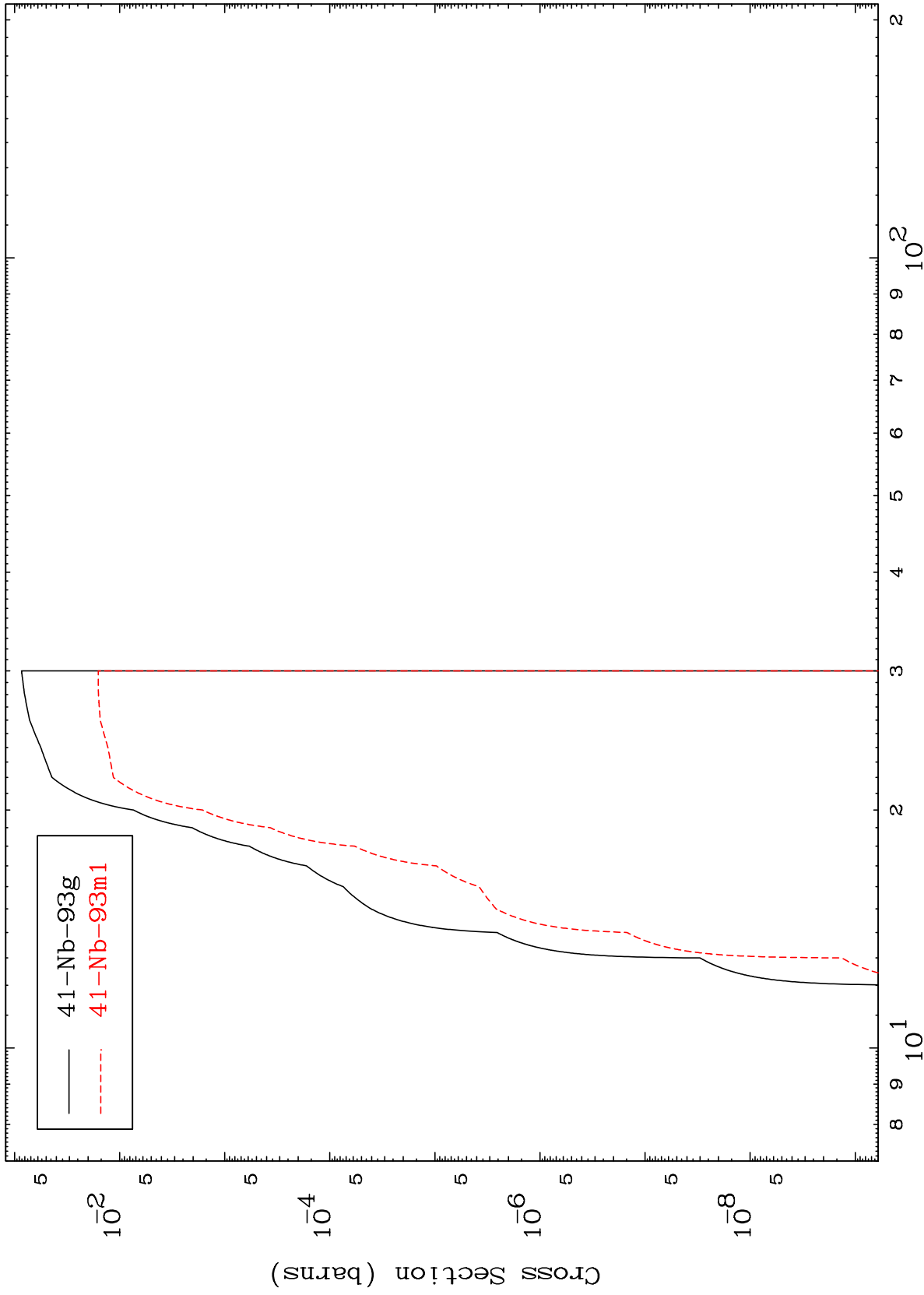
41-Nb-94

MAT 4128

( $\alpha, n'$ )  $\alpha$

41-Nb-94

Radionuclide Production Cross Section



15

Incident Energy (MeV)

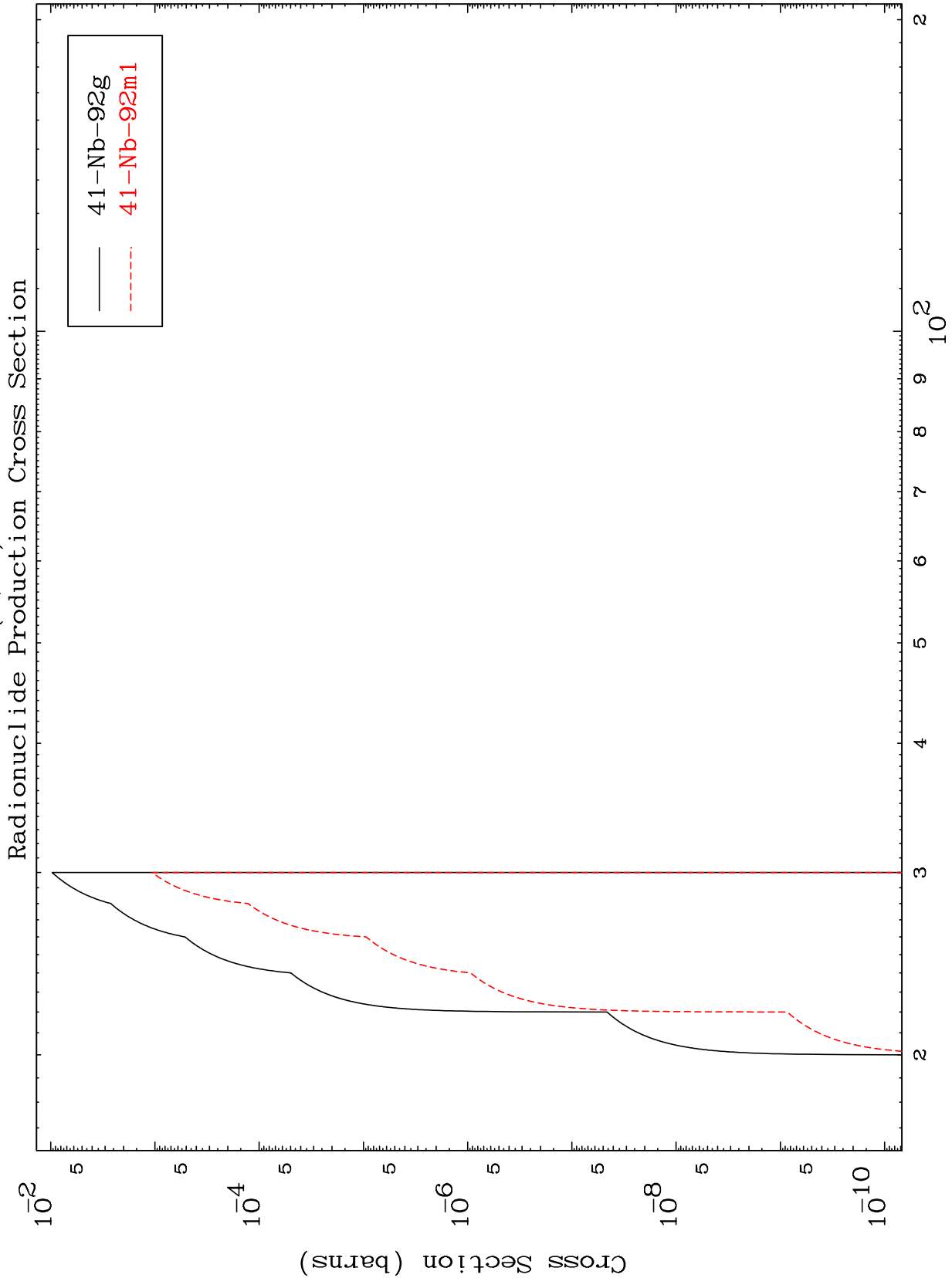
41-Nb-94



MAT 4128

$(\alpha, 2n) \alpha$

41-Nb-94



16

Incident Energy (MeV)

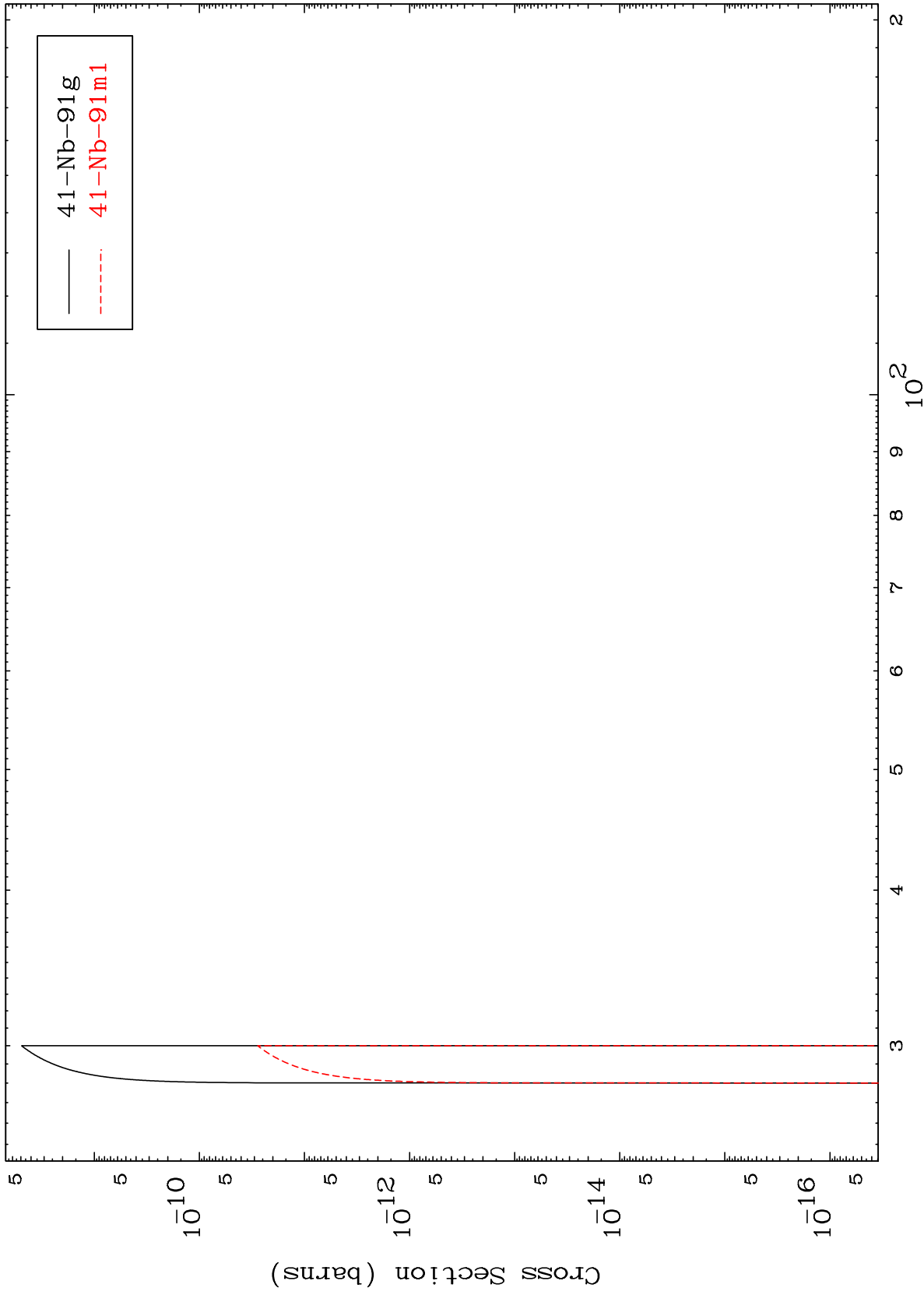
41-Nb-94

MAT 4128

( $\alpha, 3n$ )  $\alpha$

41-Nb-94

Radionuclide Production Cross Section



17

Incident Energy (MeV)

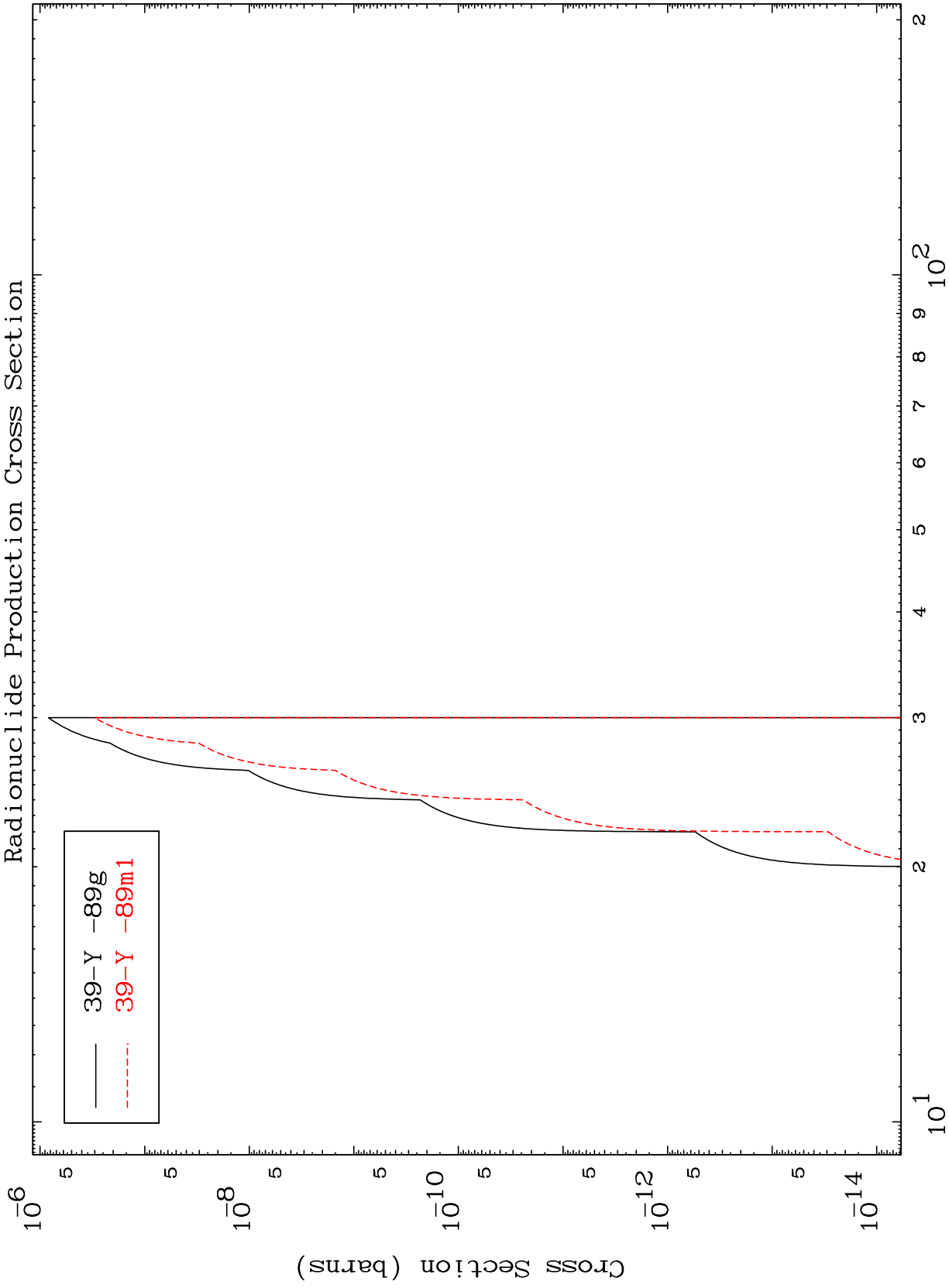
41-Nb-94

MAT 4128

( $\alpha, n'$ )  $2\alpha$

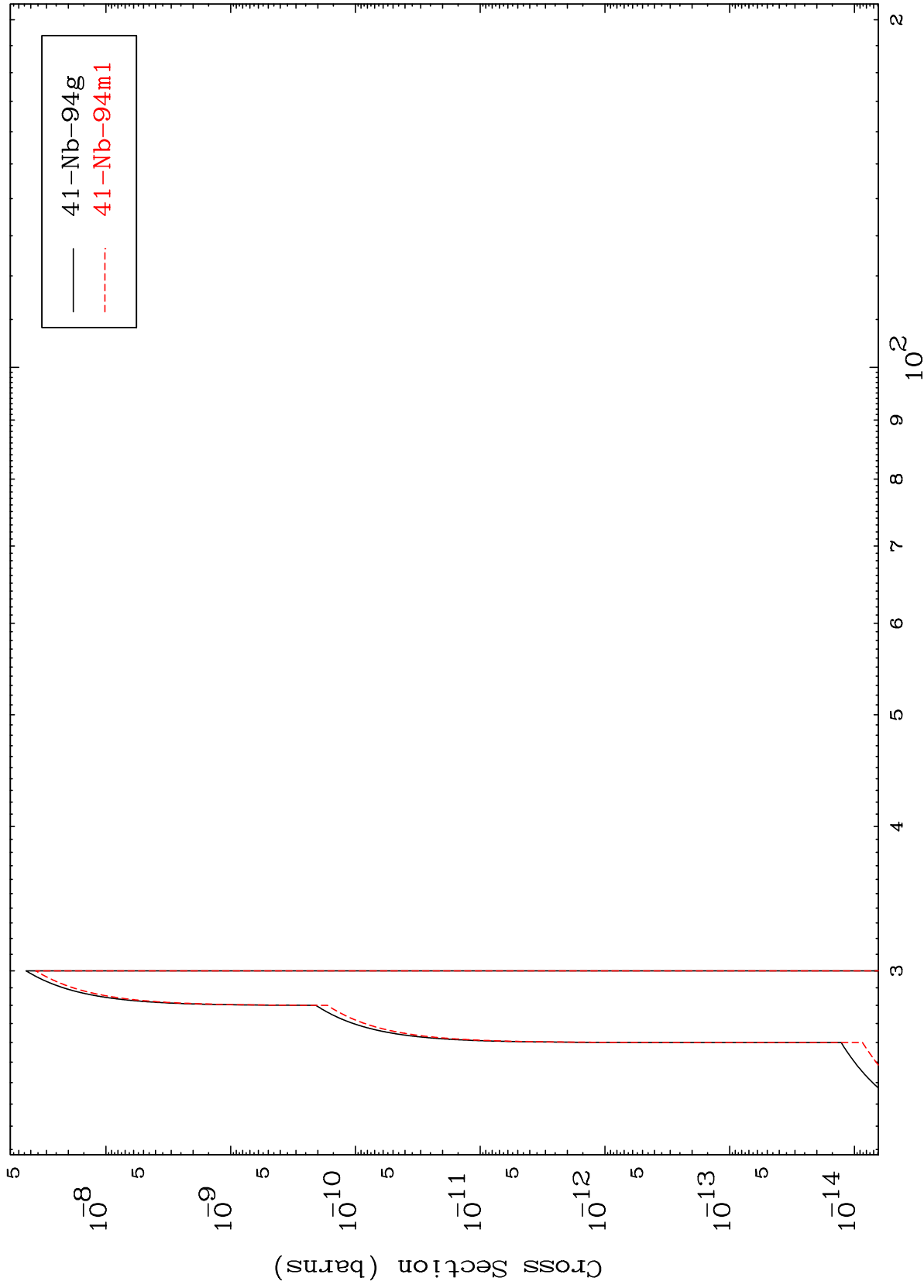
41-Nb-94

Radionuclide Production Cross Section



39-Y-89g  
39-Y-89m1

Radionuclide Production Cross Section

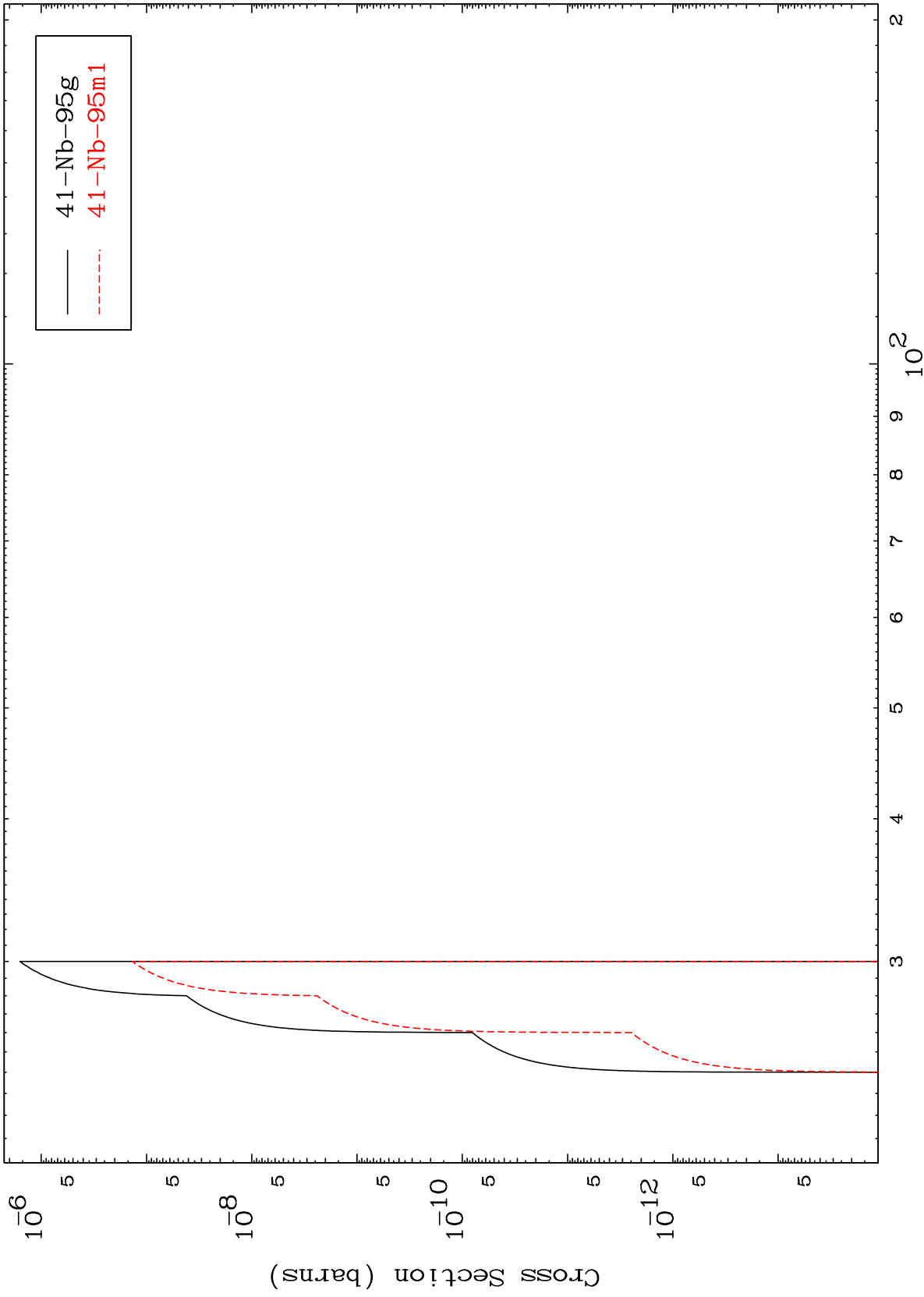


MAT 4128

( $\alpha, 2n$ ) p

41-Nb-94

Radionuclide Production Cross Section



20

Incident Energy (MeV)

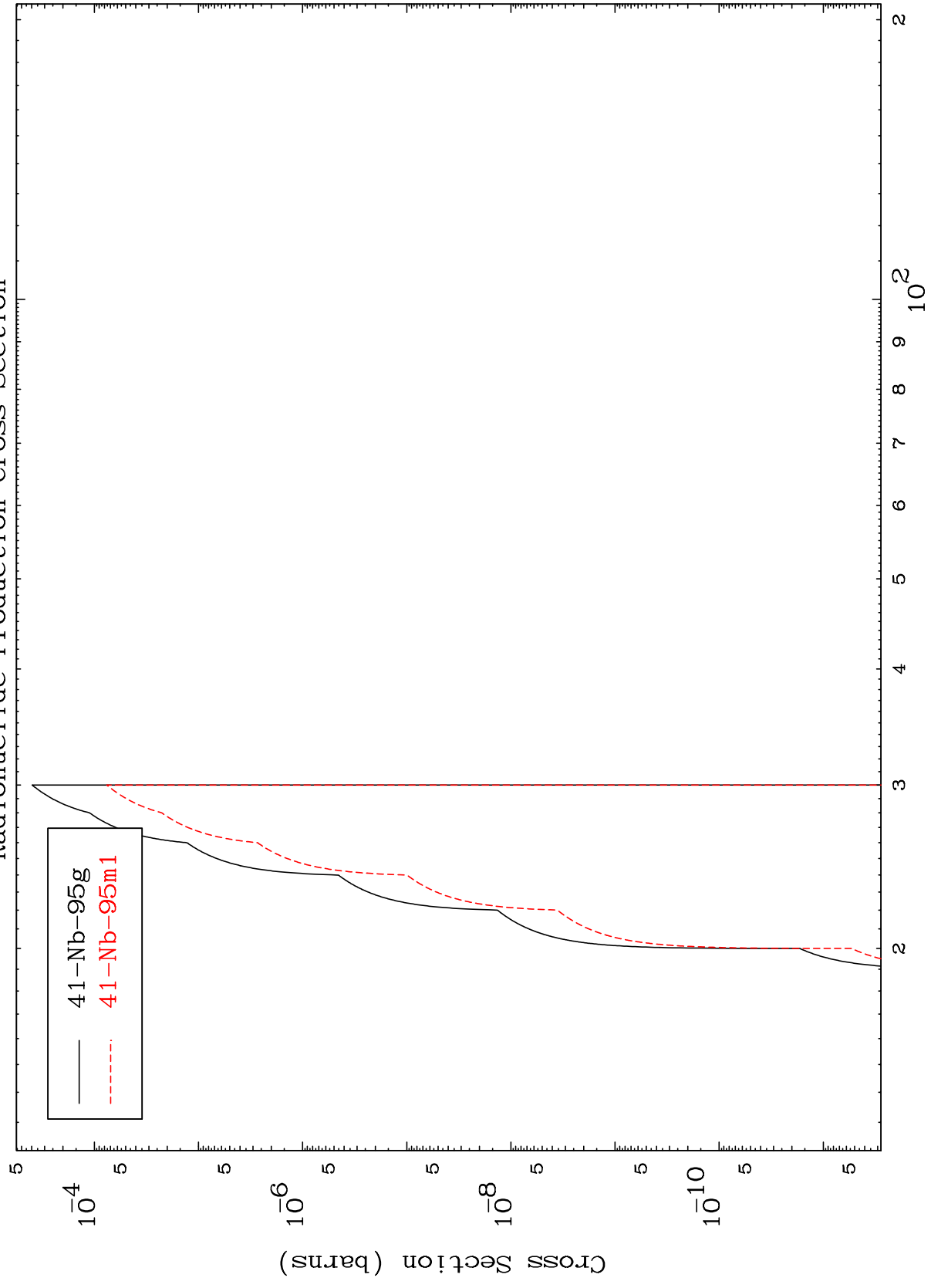
41-Nb-94

MAT 4128

( $\alpha, \text{He-3}$ )

41-Nb-94

Radionuclide Production Cross Section



21

Incident Energy (MeV)

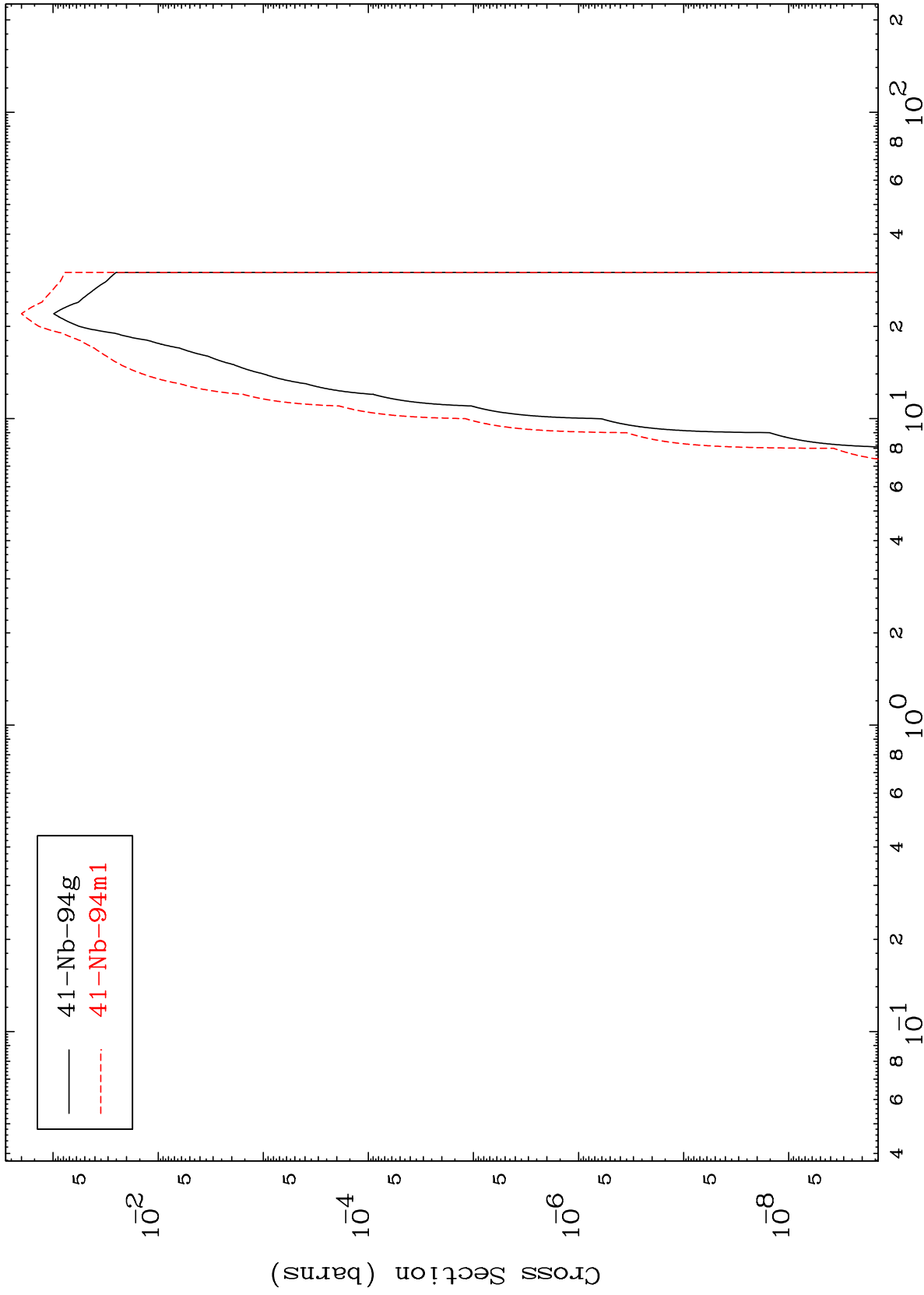
41-Nb-94

MAT 4128

( $\alpha, \alpha$ )

41-Nb-94

Radionuclide Production Cross Section



22

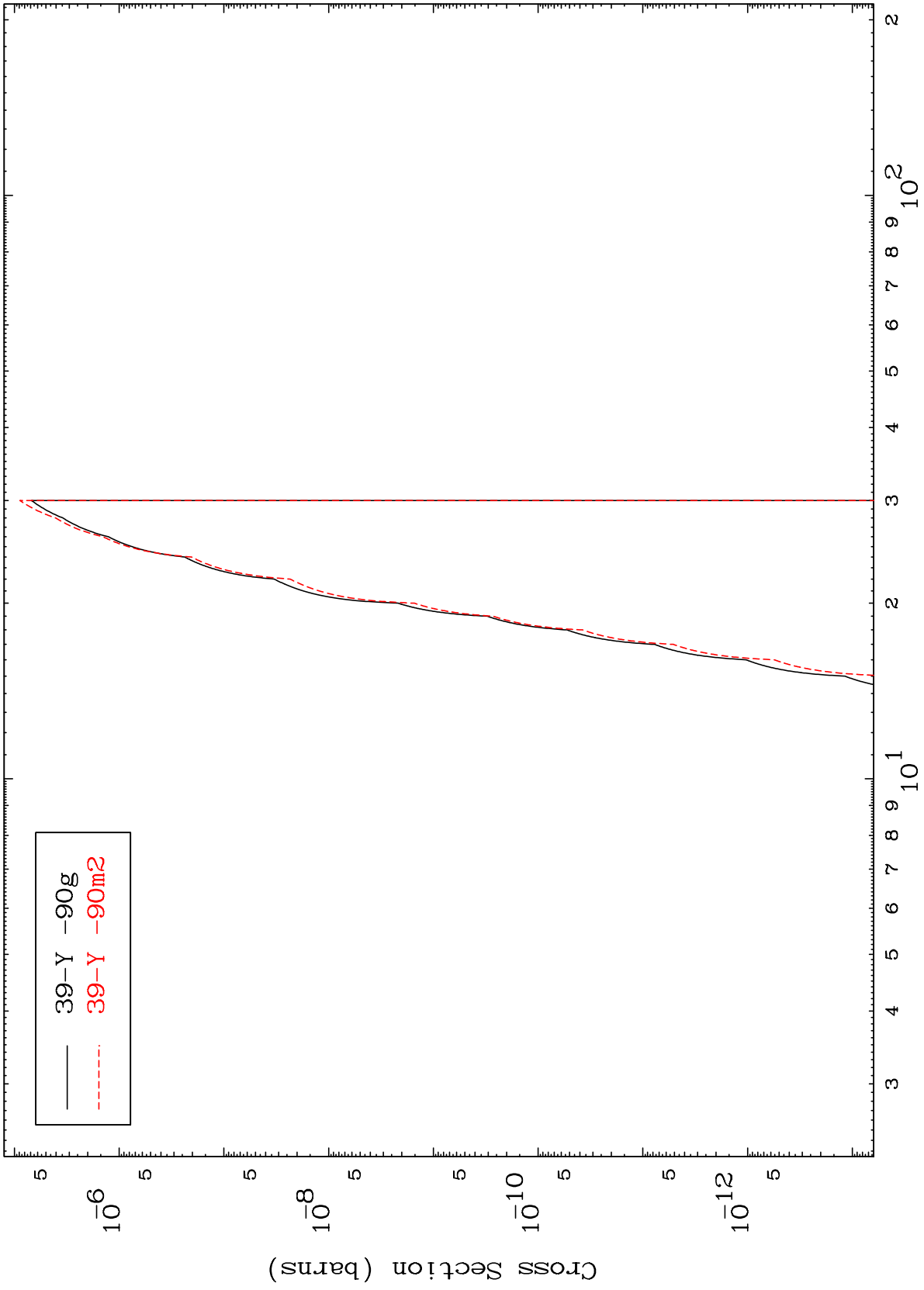
Incident Energy (MeV)

41-Nb-94

MAT 4128

41-Nb-94

Radionuclide Production Cross Section  
( $\alpha, 2\alpha$ )



23

41-Nb-94

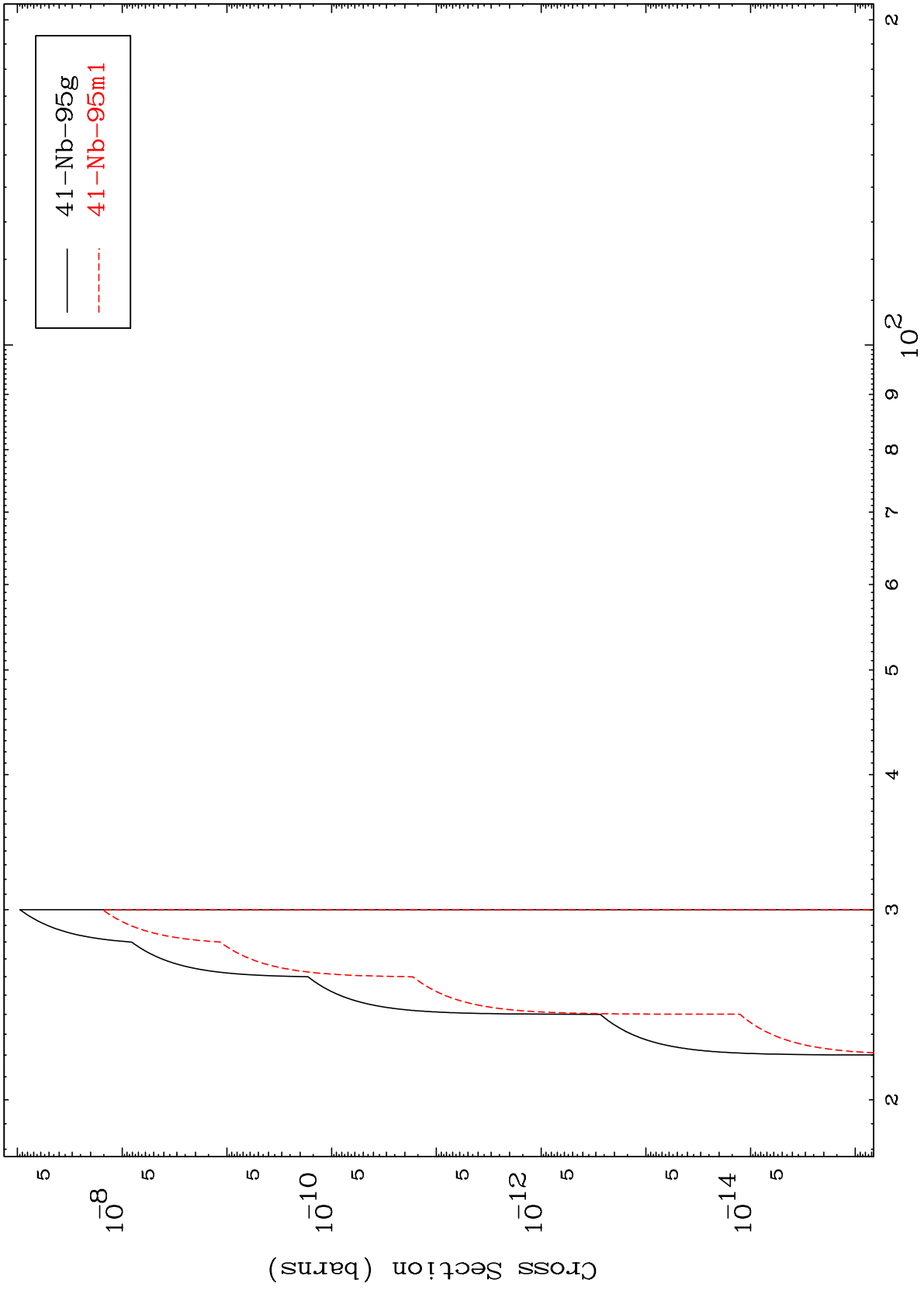


MAT 4128

( $\alpha, p$ ) d

41-Nb-94

Radionuclide Production Cross Section



24

Incident Energy (MeV)

41-Nb-94

Radionuclide Production Cross Section

