

Program EVALPLOT  
(Version 2017-1)

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](mailto:redcullen1@comcast.net)

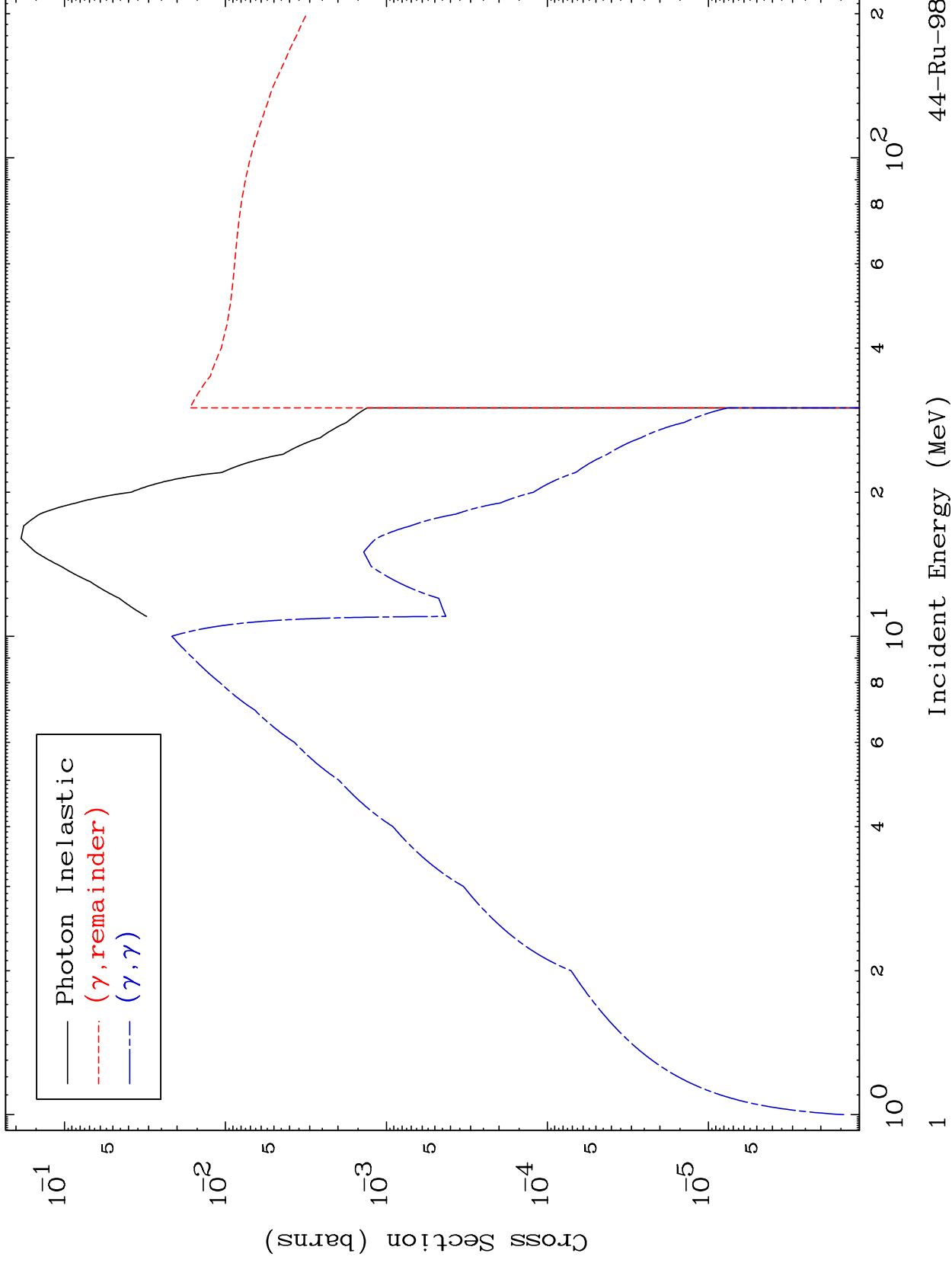
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 4431

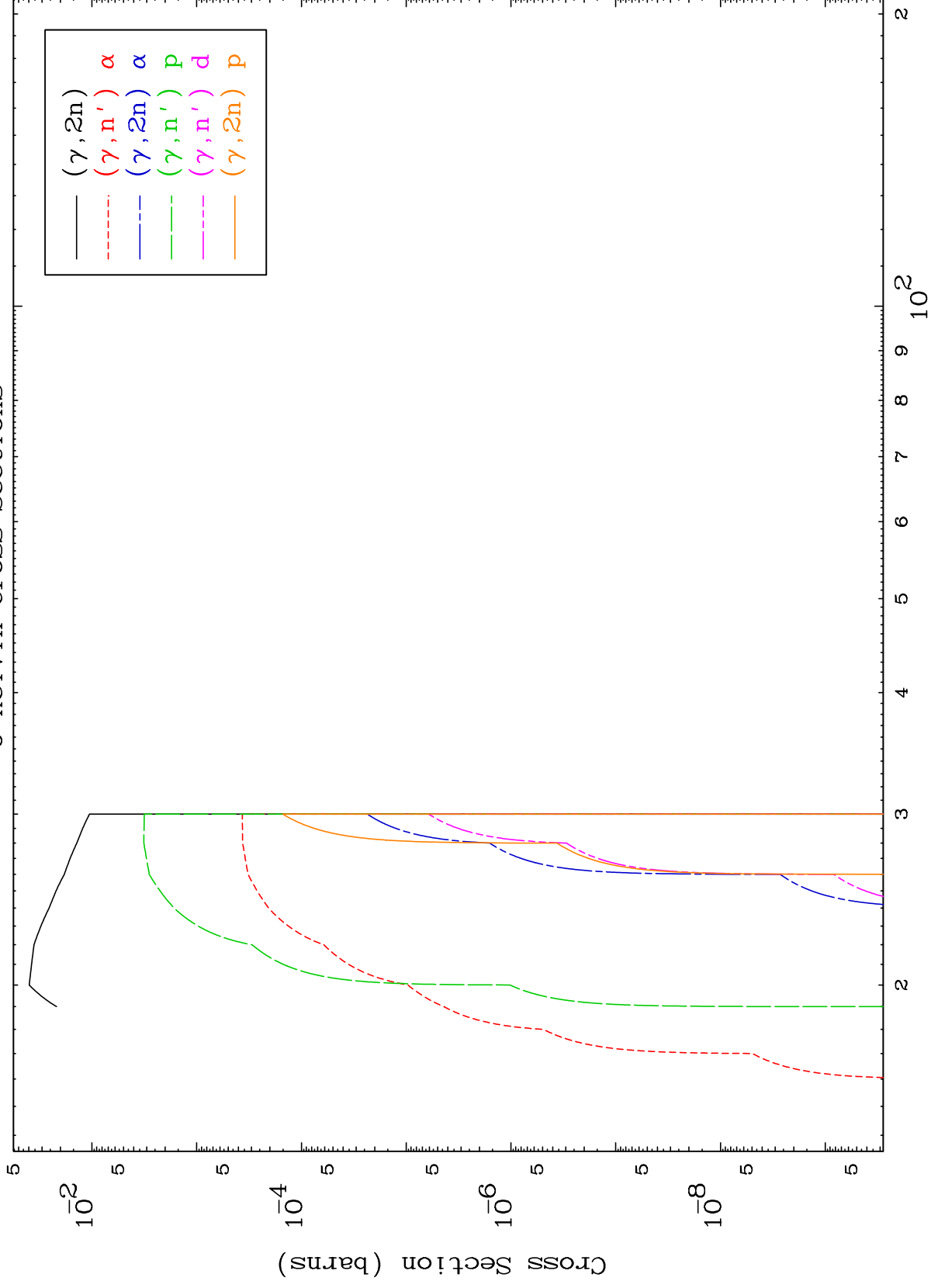
Photon Major  
0 Kelvin Cross Sections

44-Ru-98



44-Ru-98

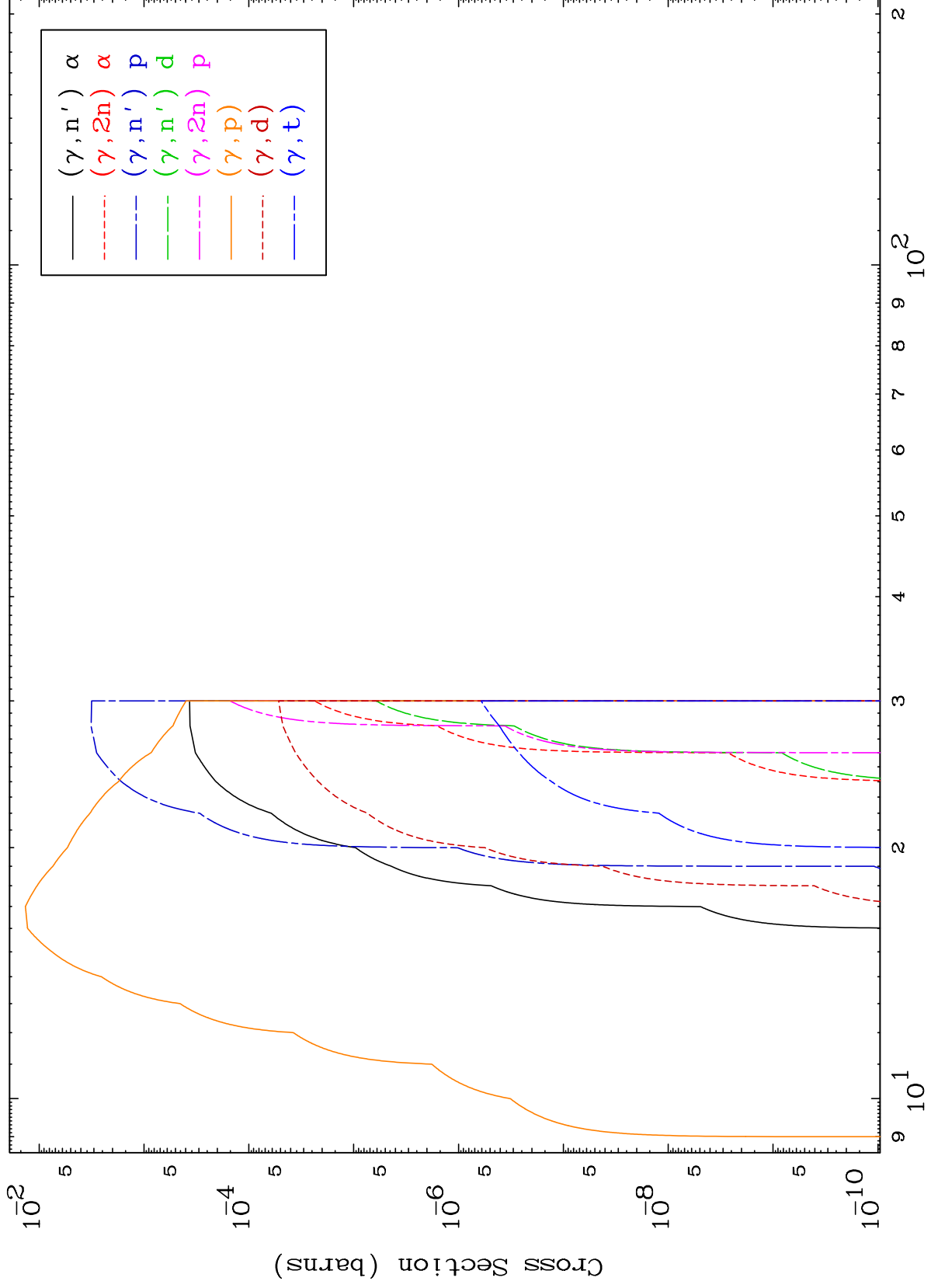
Incident Energy (MeV)



MAT 4431

Photon Charged Particle  
0 Kelvin Cross Sections

44-Ru-98



44-Ru-98

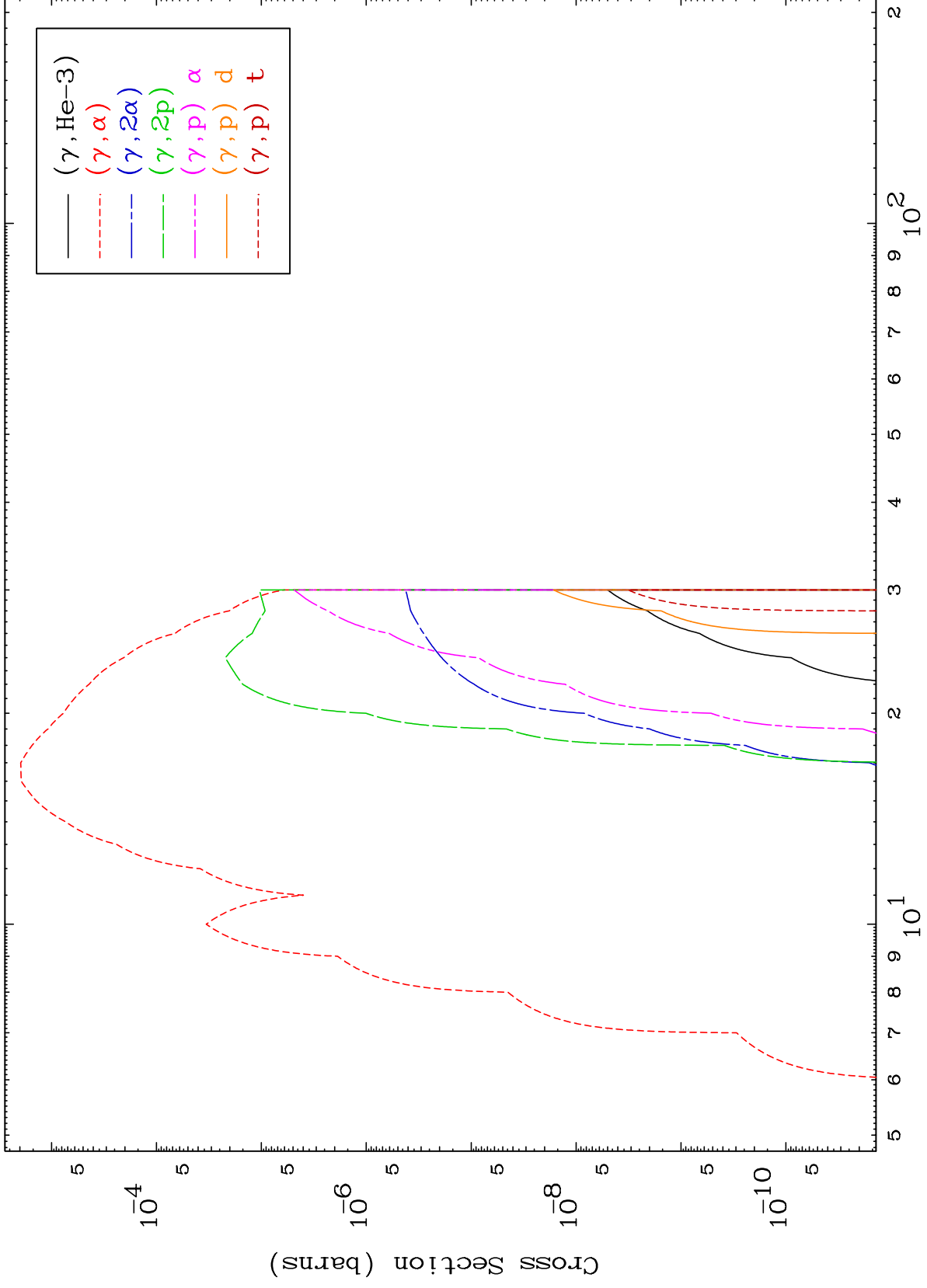
Incident Energy (MeV)

3

MAT 4431

Photon Charged Particle  
0 Kelvin Cross Sections

44-Ru-98



4

Incident Energy (MeV)

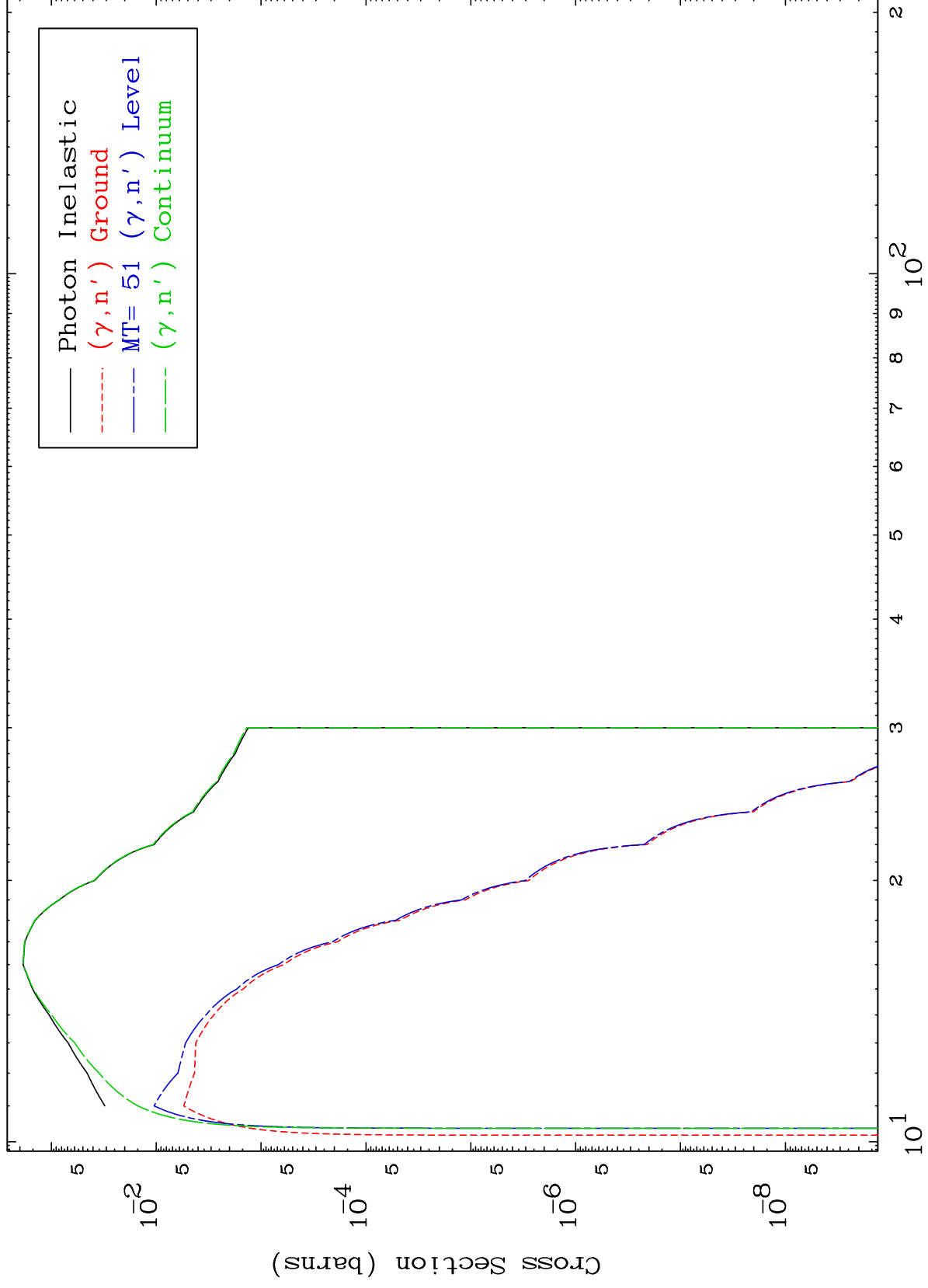
44-Ru-98

MAT 4431

( $\gamma, n'$ ) Level

44-Ru-98

0 Kelvin Cross Sections



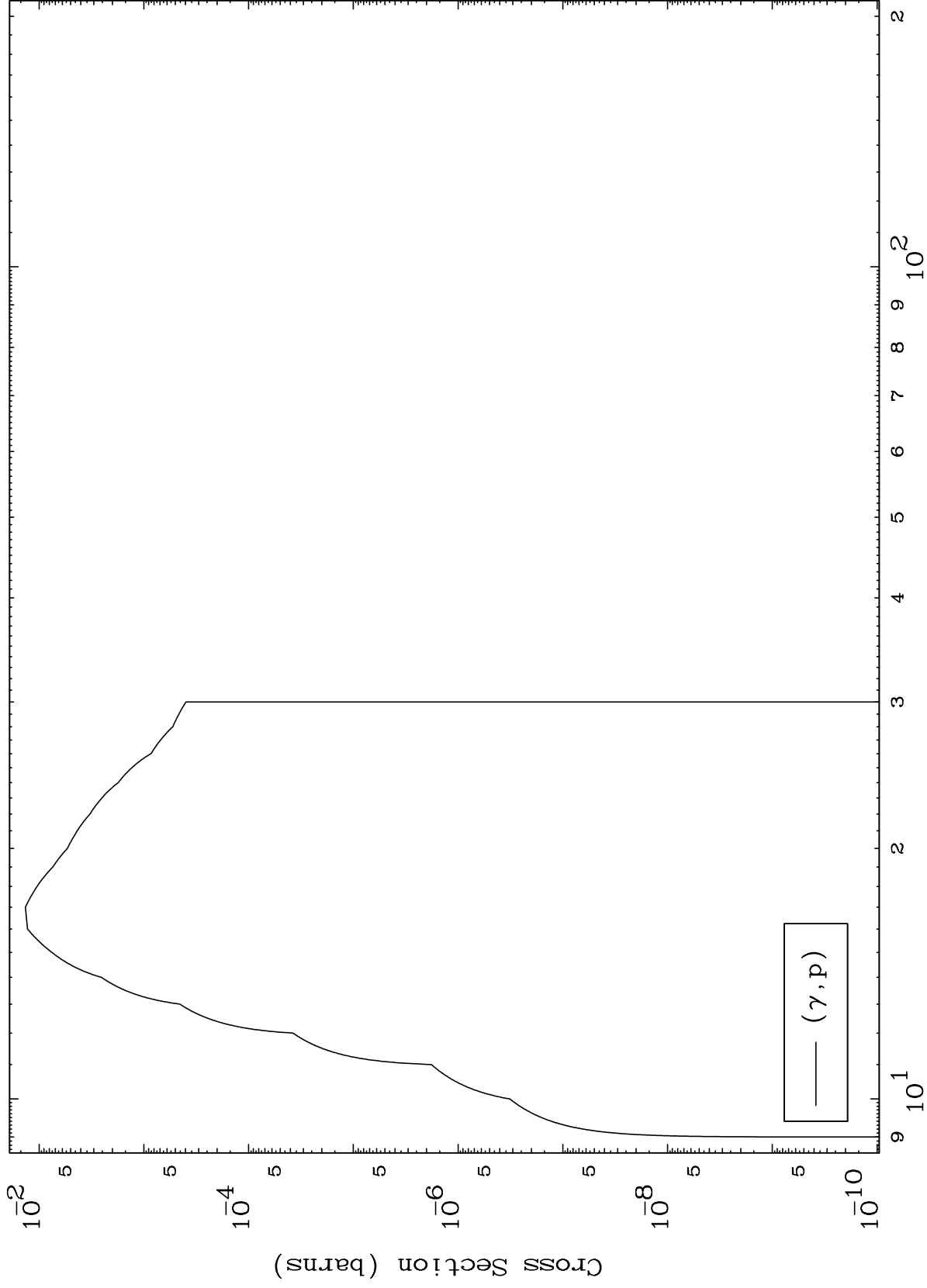
Incident Energy (MeV)

44-Ru-98

MAT 4431

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

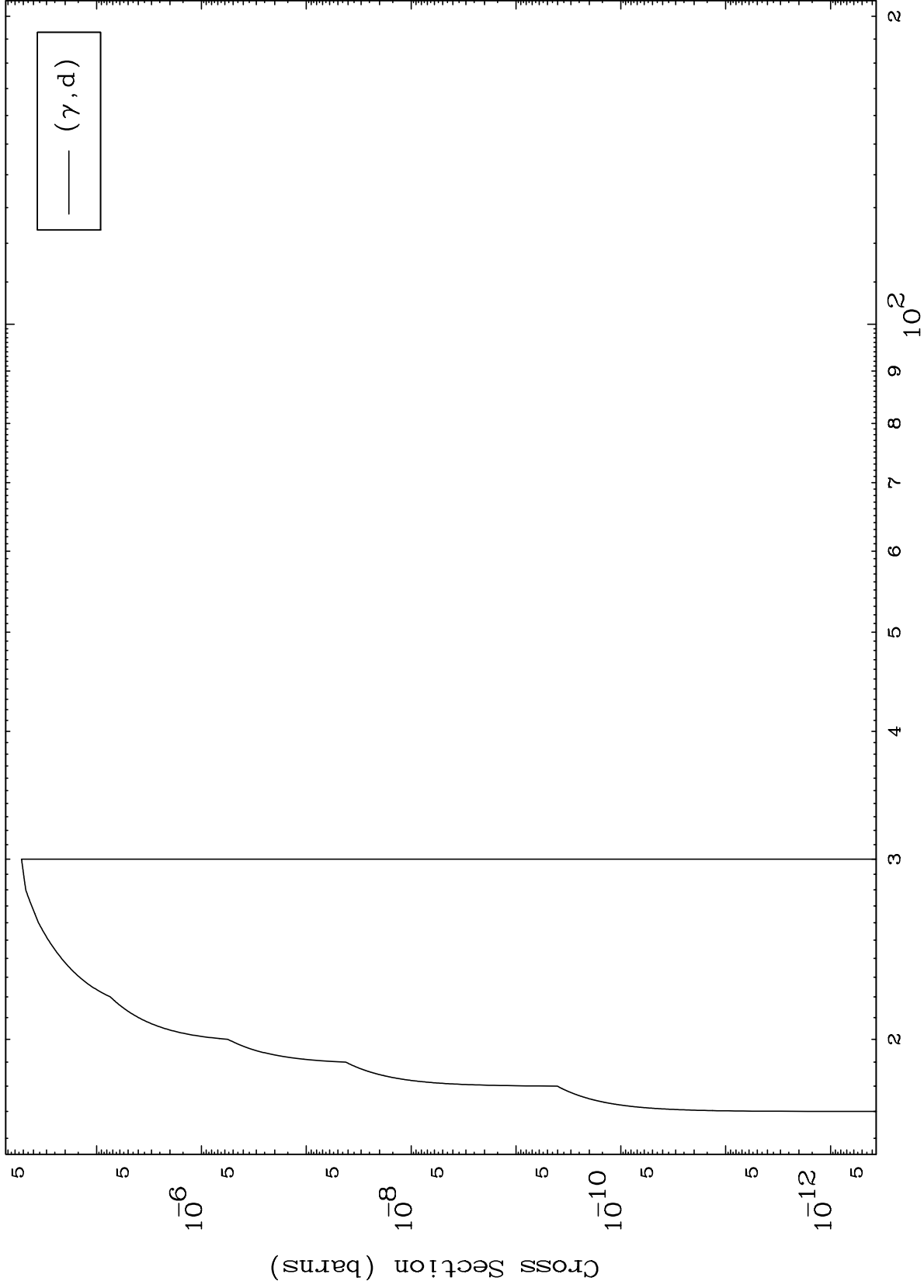
44-Ru-98



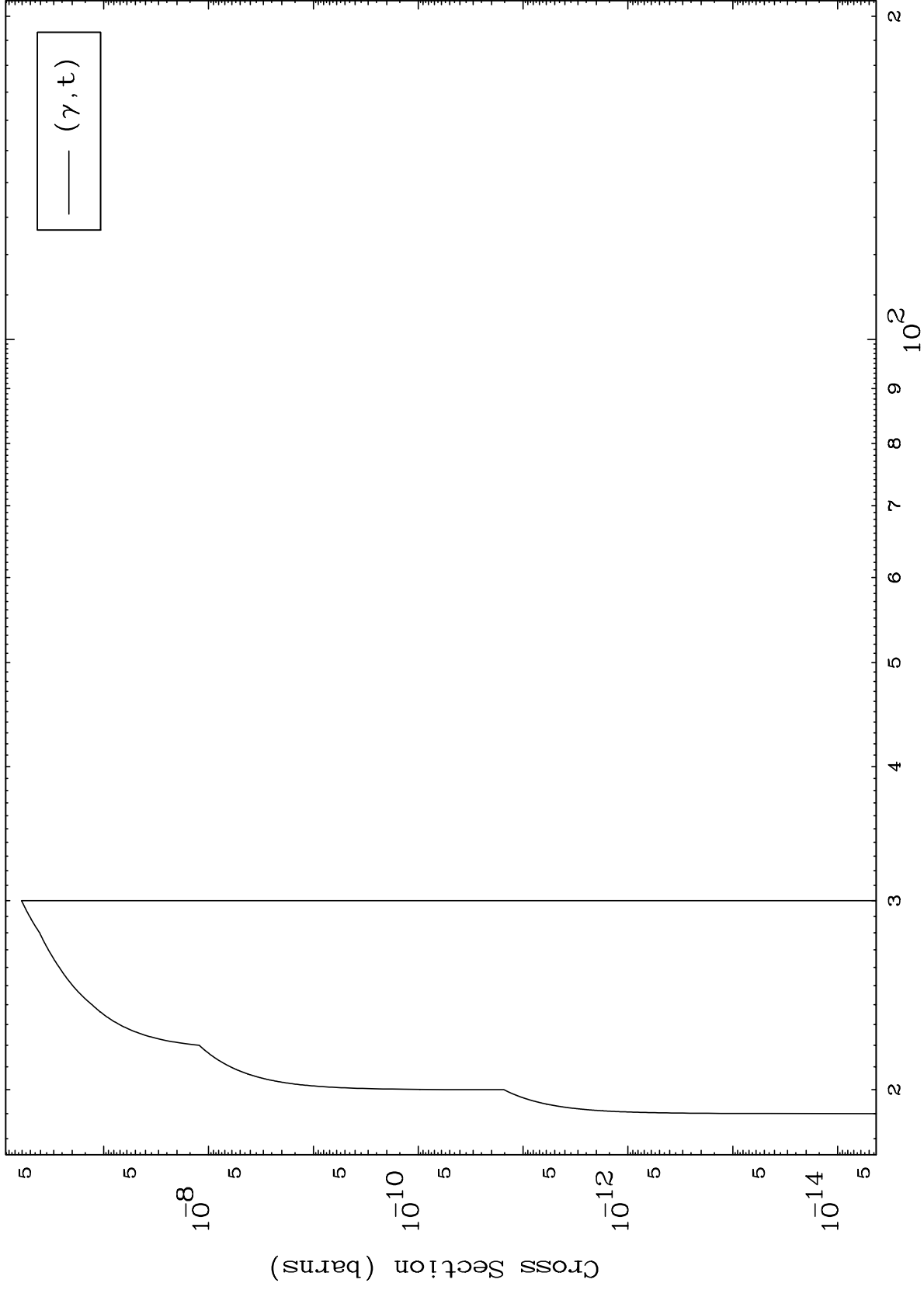
Incident Energy (MeV)

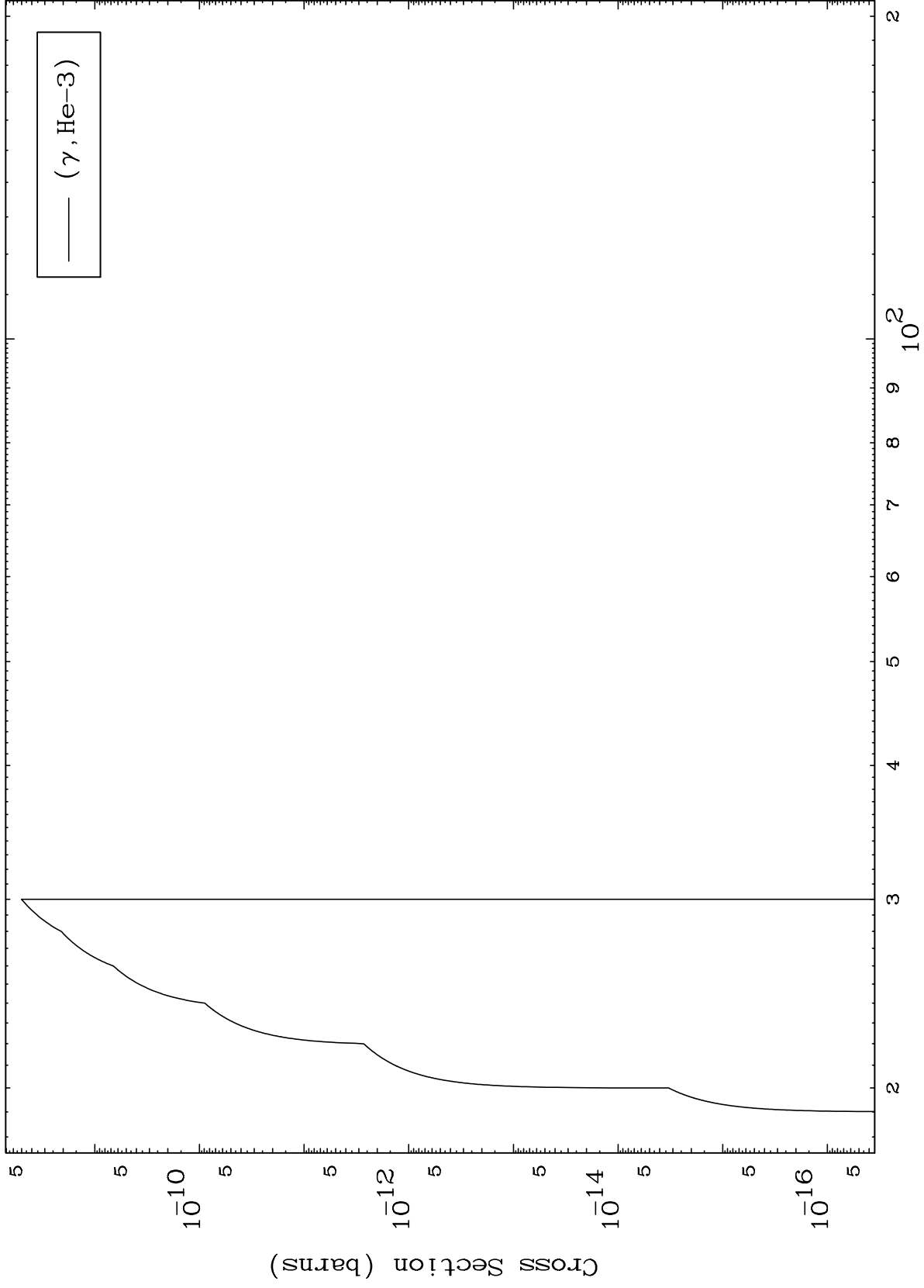
44-Ru-98

6





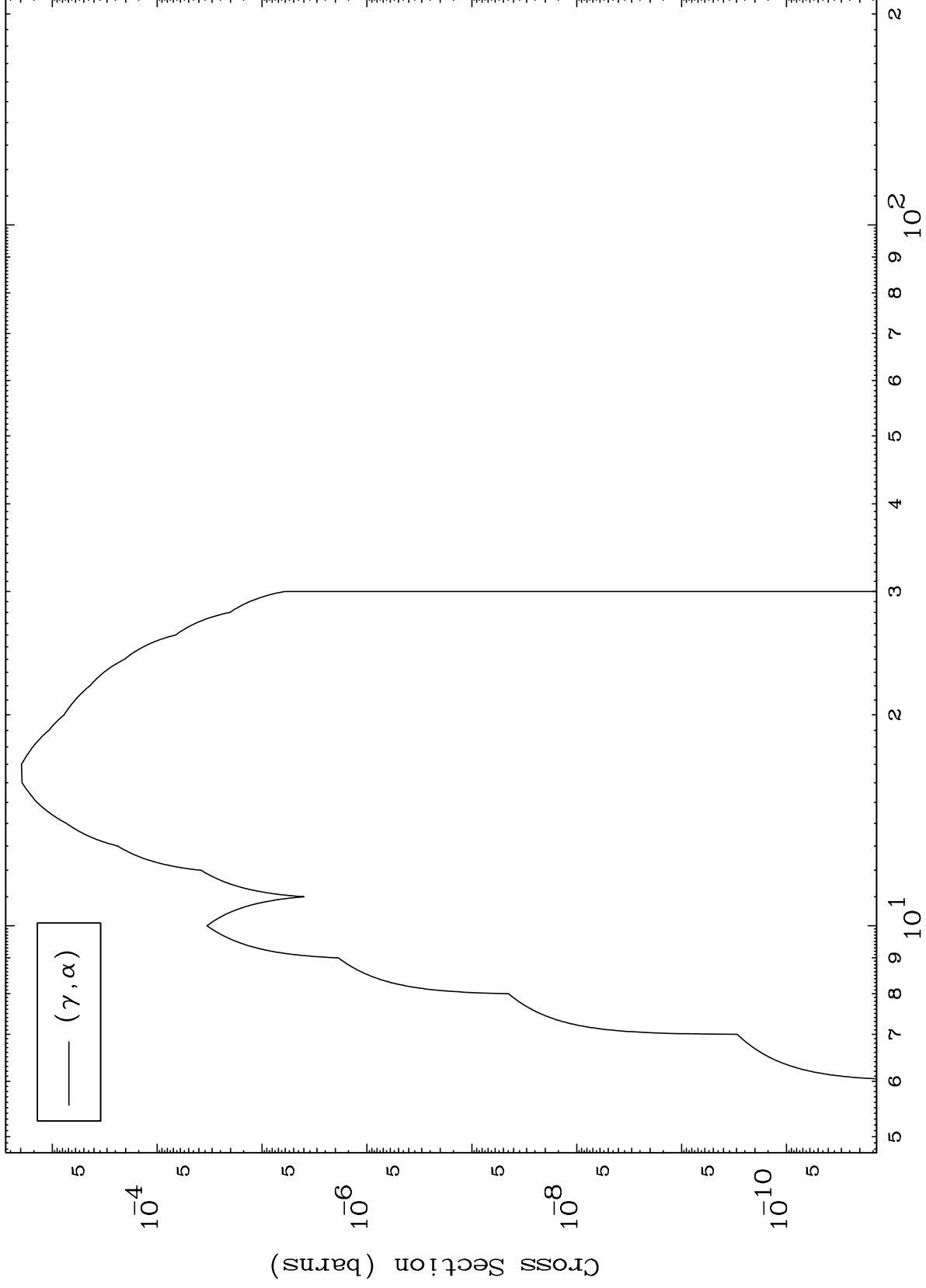




MAT 4431

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

44-Ru-98

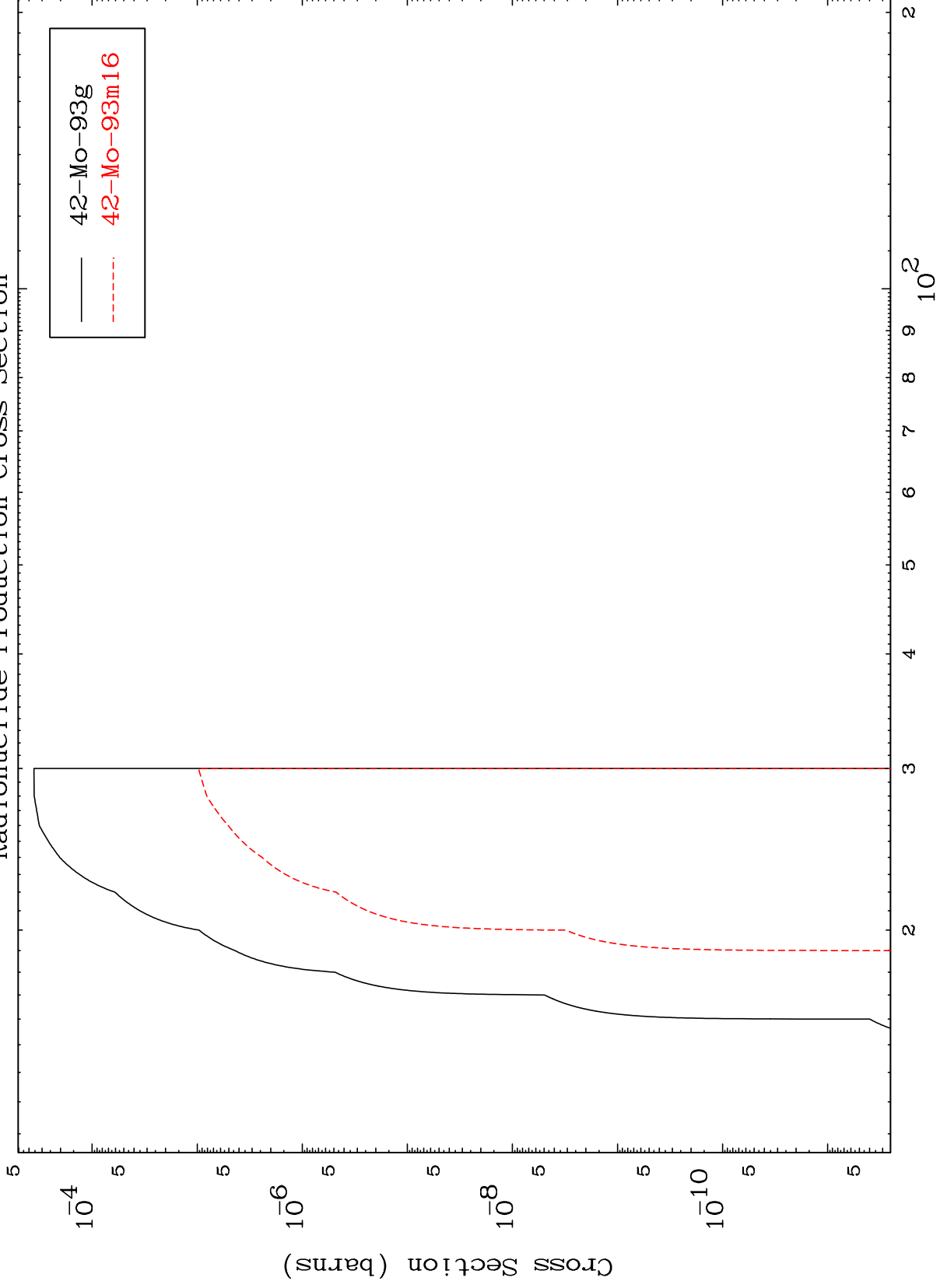


10

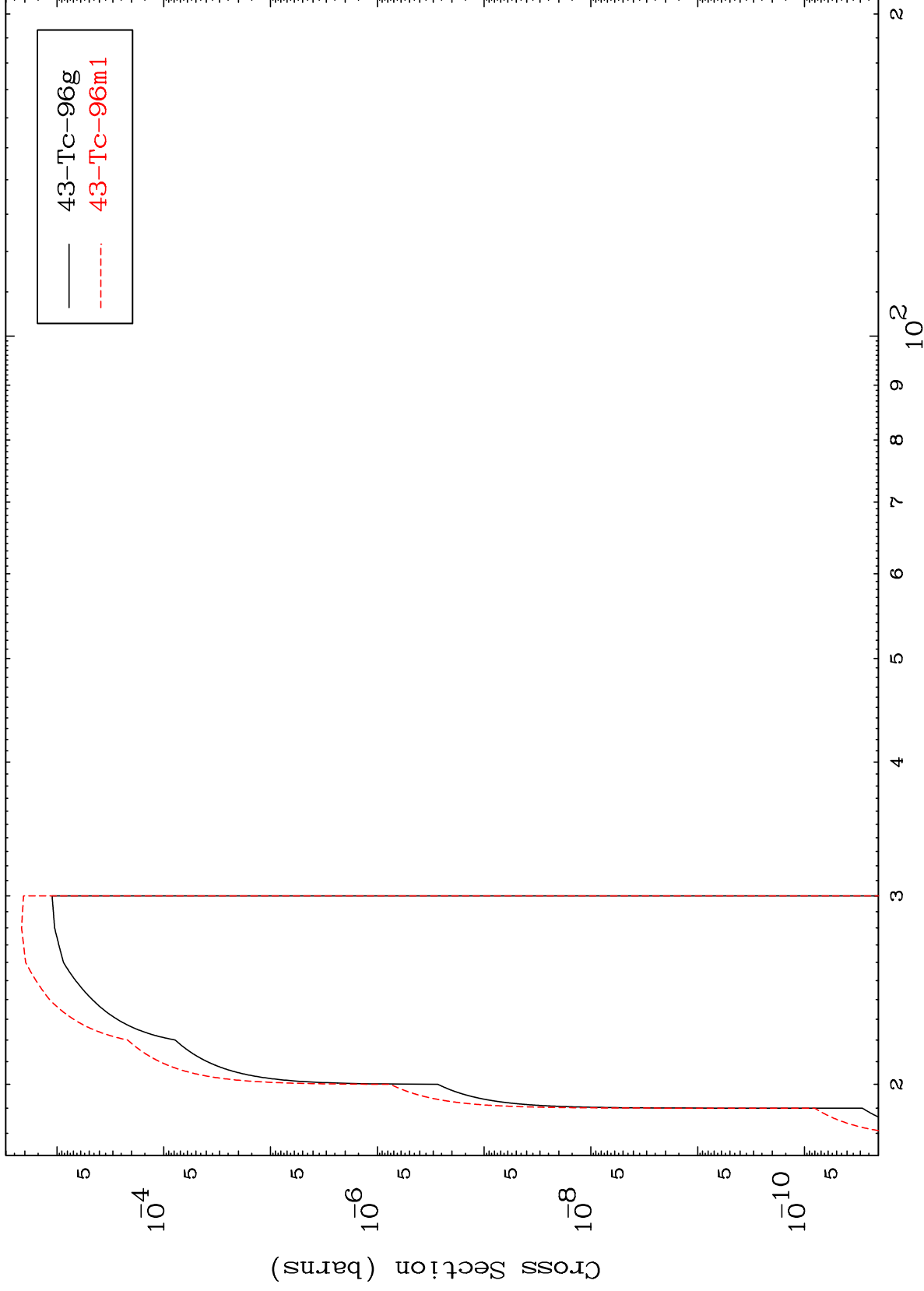
Incident Energy (MeV)

44-Ru-98

Radionuclide Production Cross Section



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



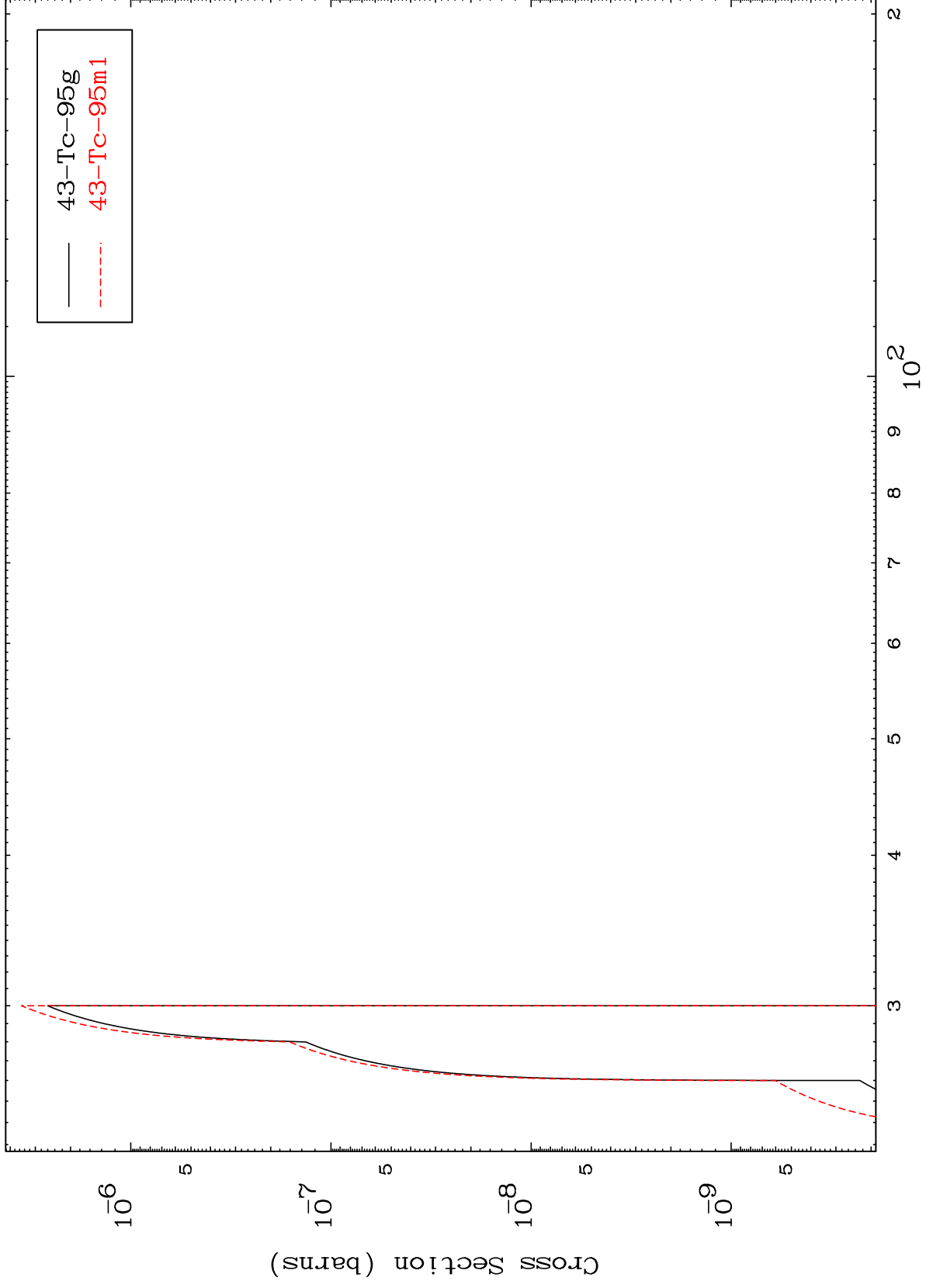
43-Tc-96g  
43-Tc-96m1

MAT 4431

( $\gamma, n'$ ) d

44-Ru-98

Radionuclide Production Cross Section



13

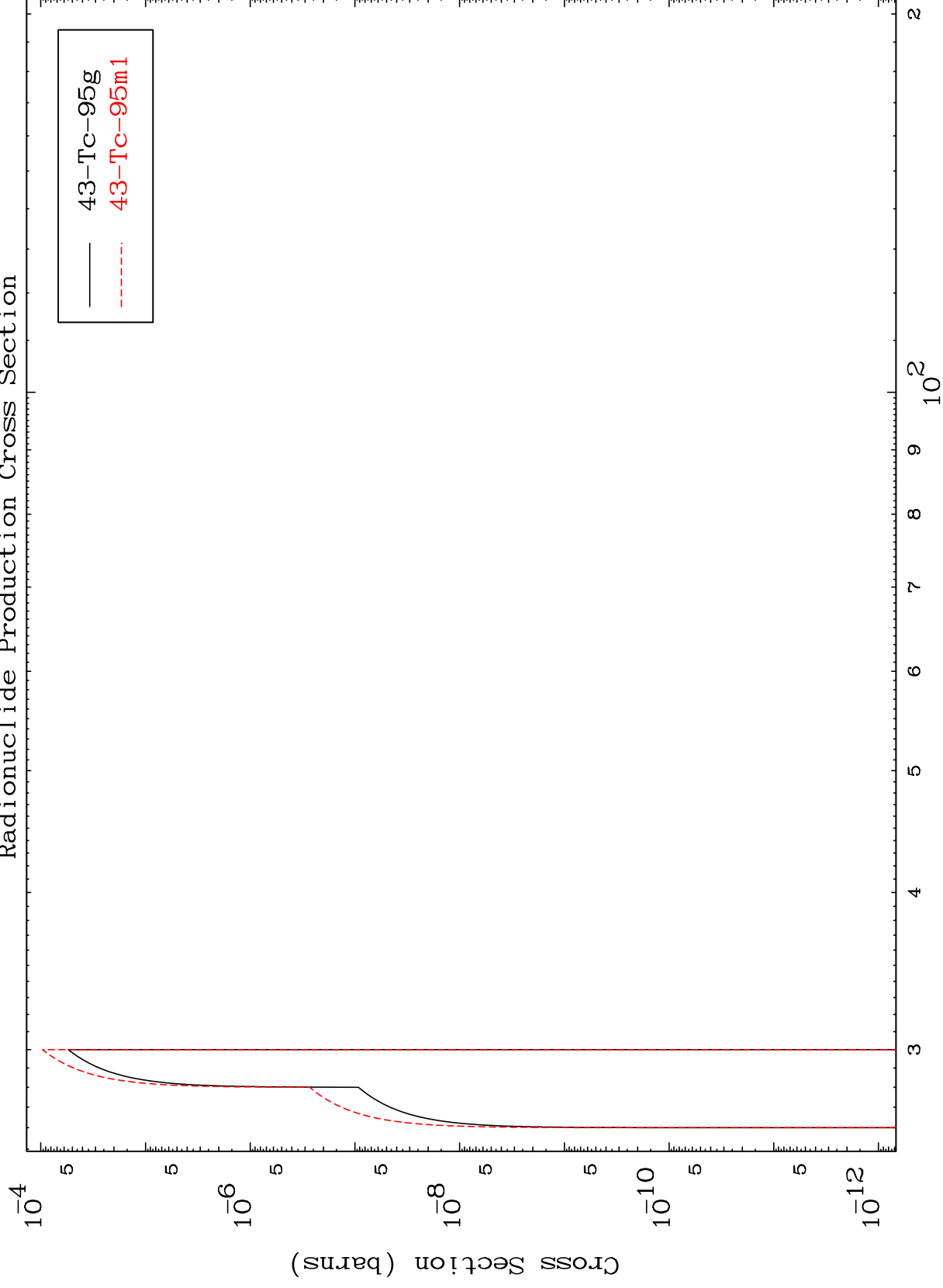
Incident Energy (MeV)

44-Ru-98

MAT 4431

44-Ru-98

$(\gamma, 2n)$  p  
Radionuclide Production Cross Section



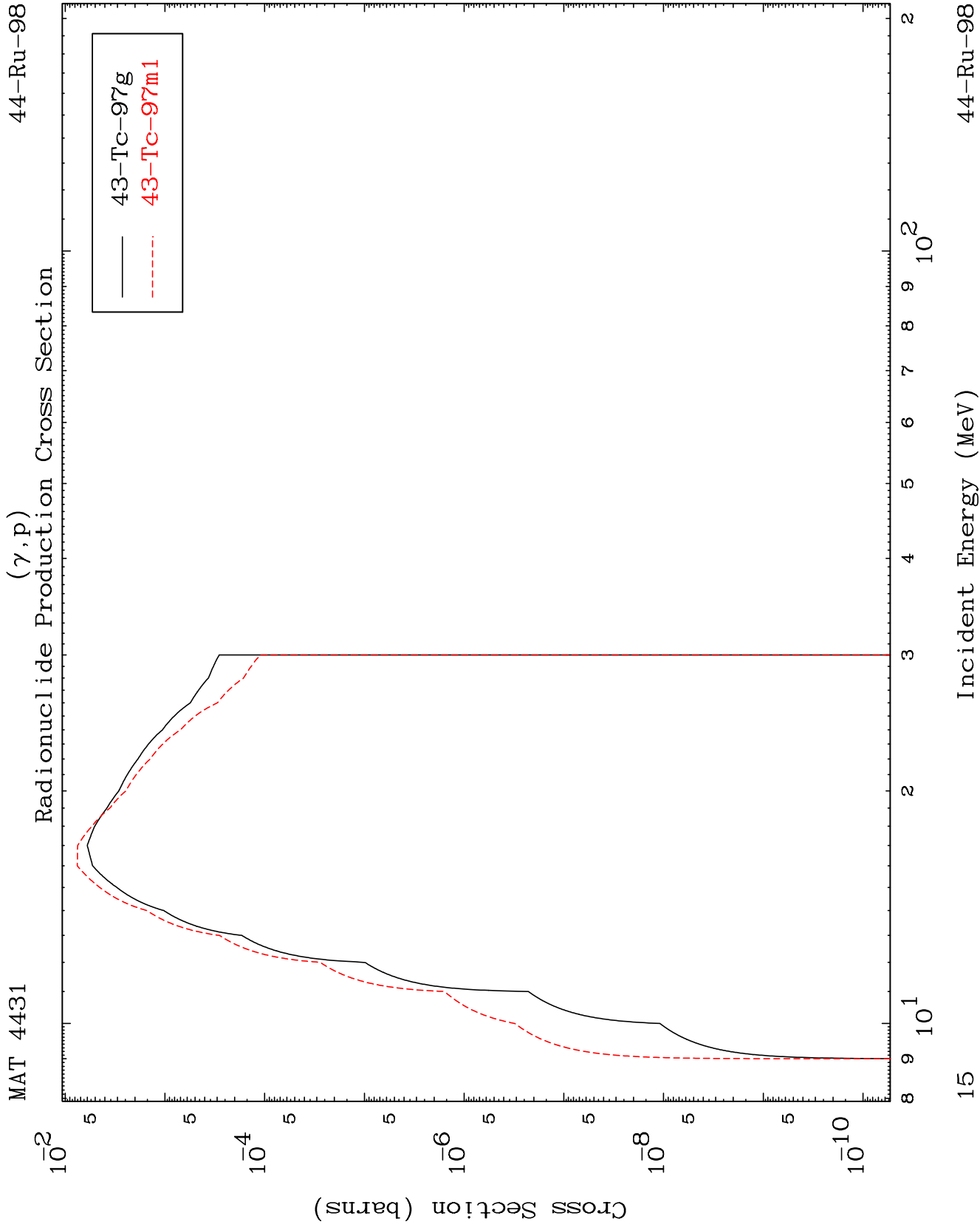
14

Incident Energy (MeV)

44-Ru-98

MAT 4431

44-Ru-98



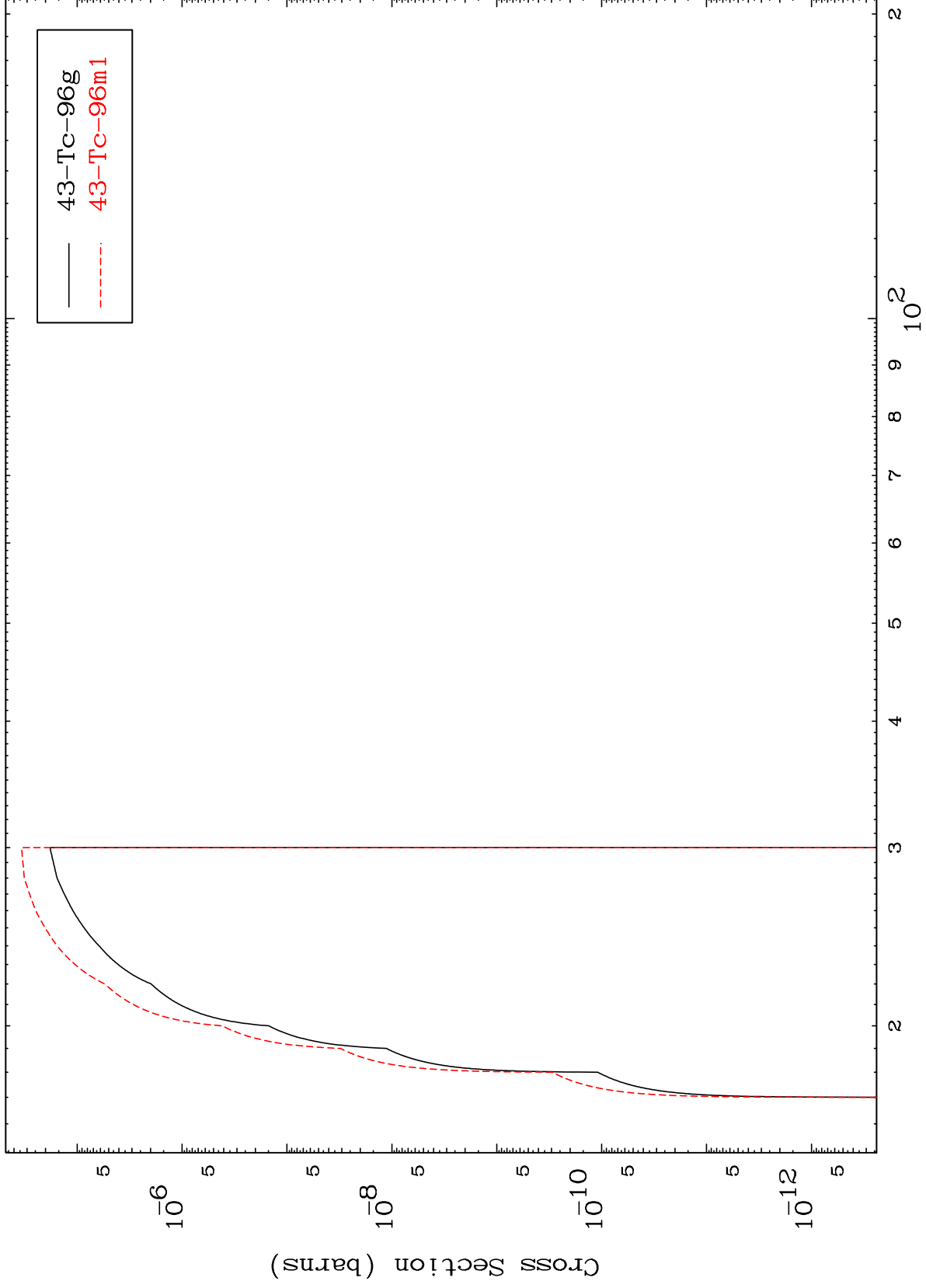
44-Ru-98

Incident Energy (MeV)

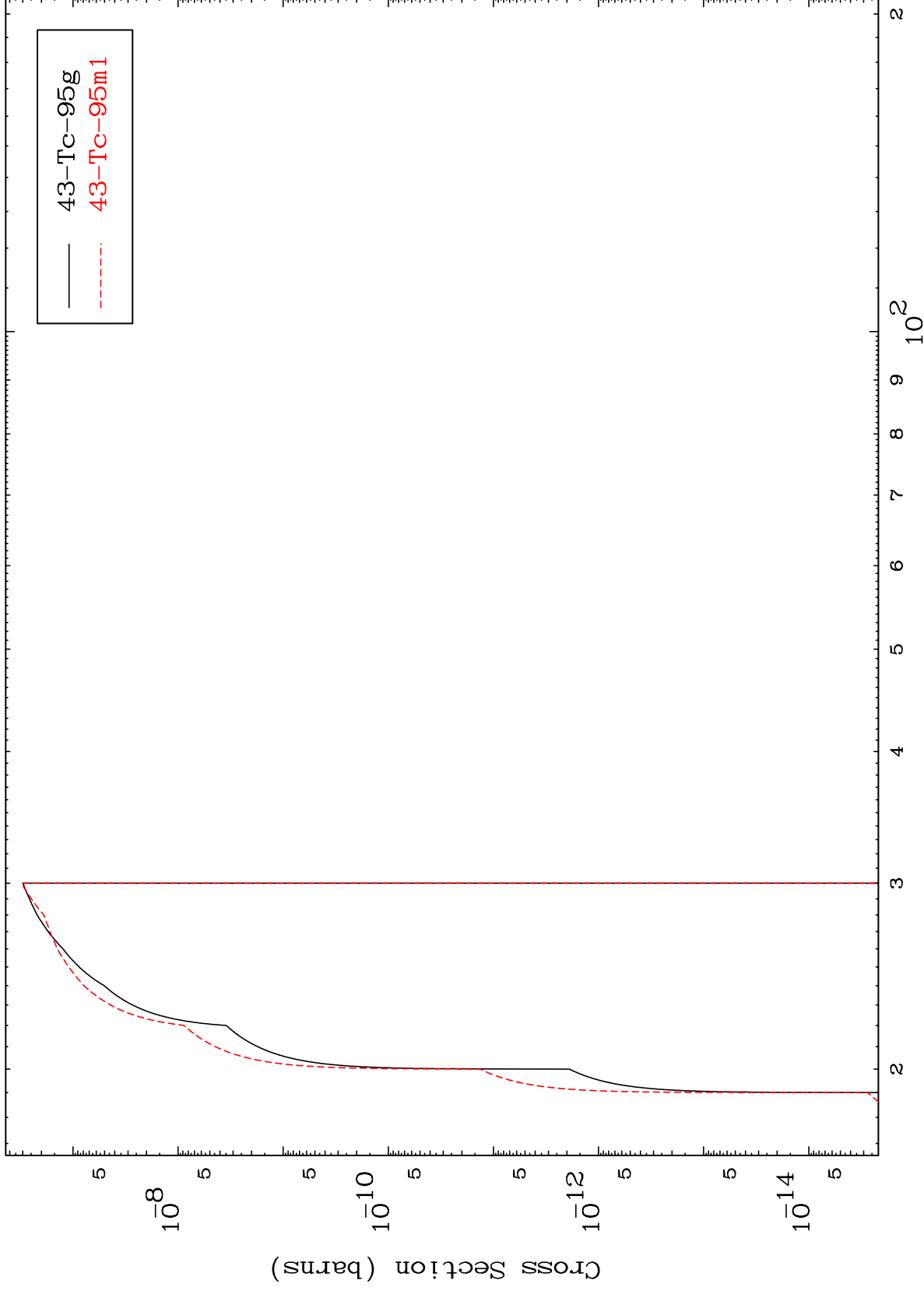
15



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



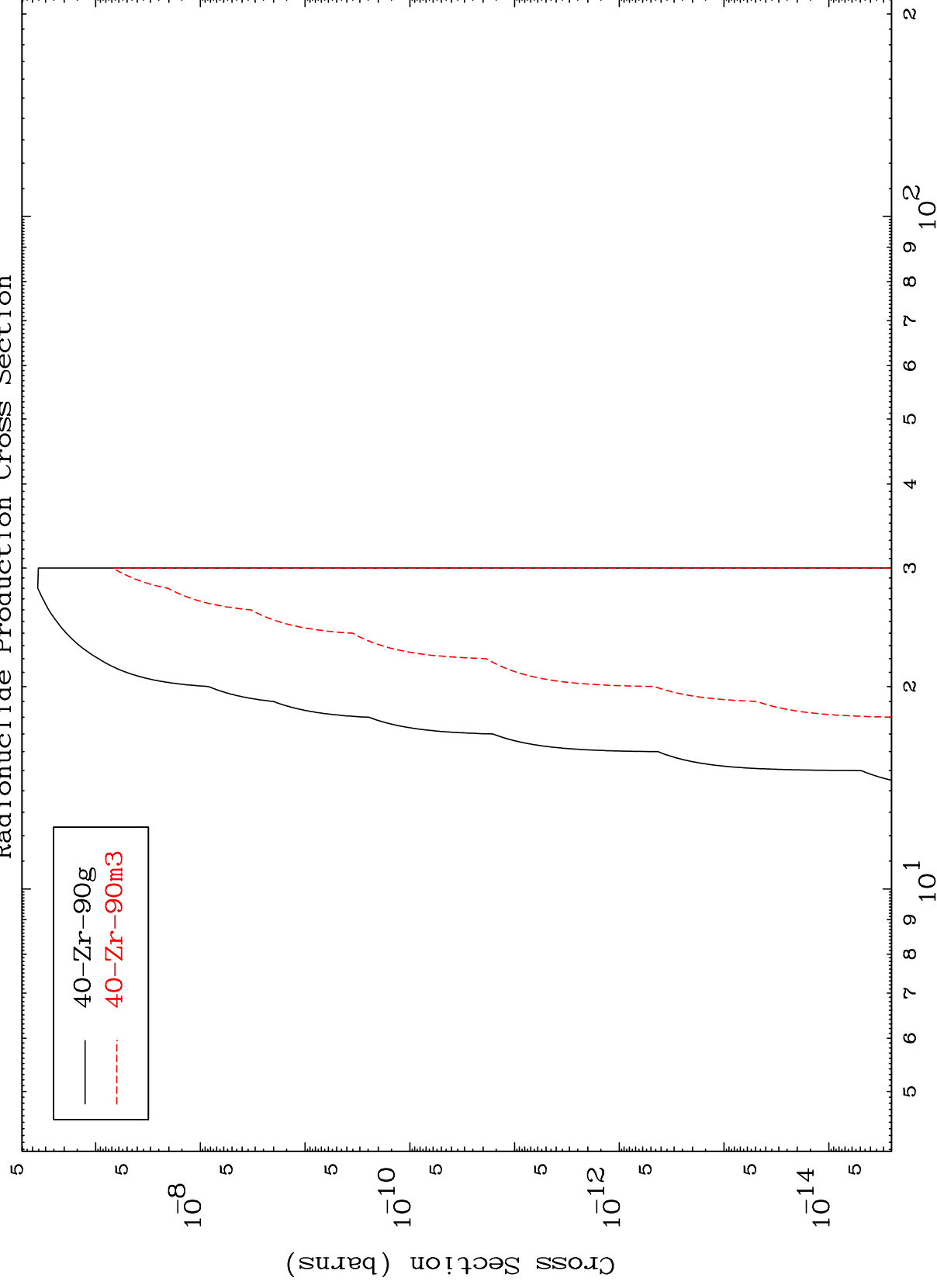
( $\gamma, t$ )  
Radionuclide Production Cross Section



MAT 4431

44-Ru-98

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



18

Incident Energy (MeV)

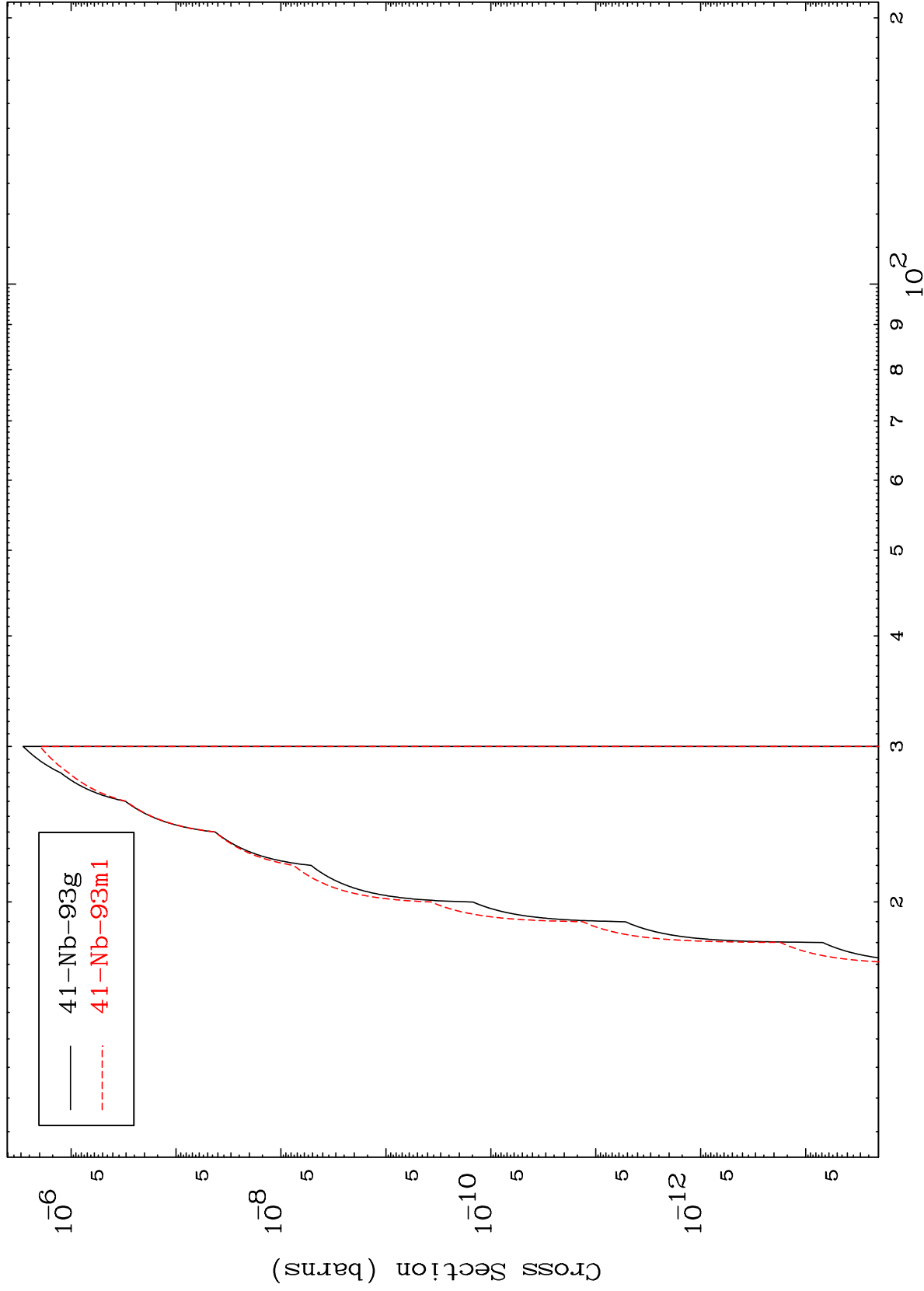
44-Ru-98

MAT 4431

( $\gamma, p$ )  $\alpha$

44-Ru-98

Radionuclide Production Cross Section



19

Incident Energy (MeV)

44-Ru-98