

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

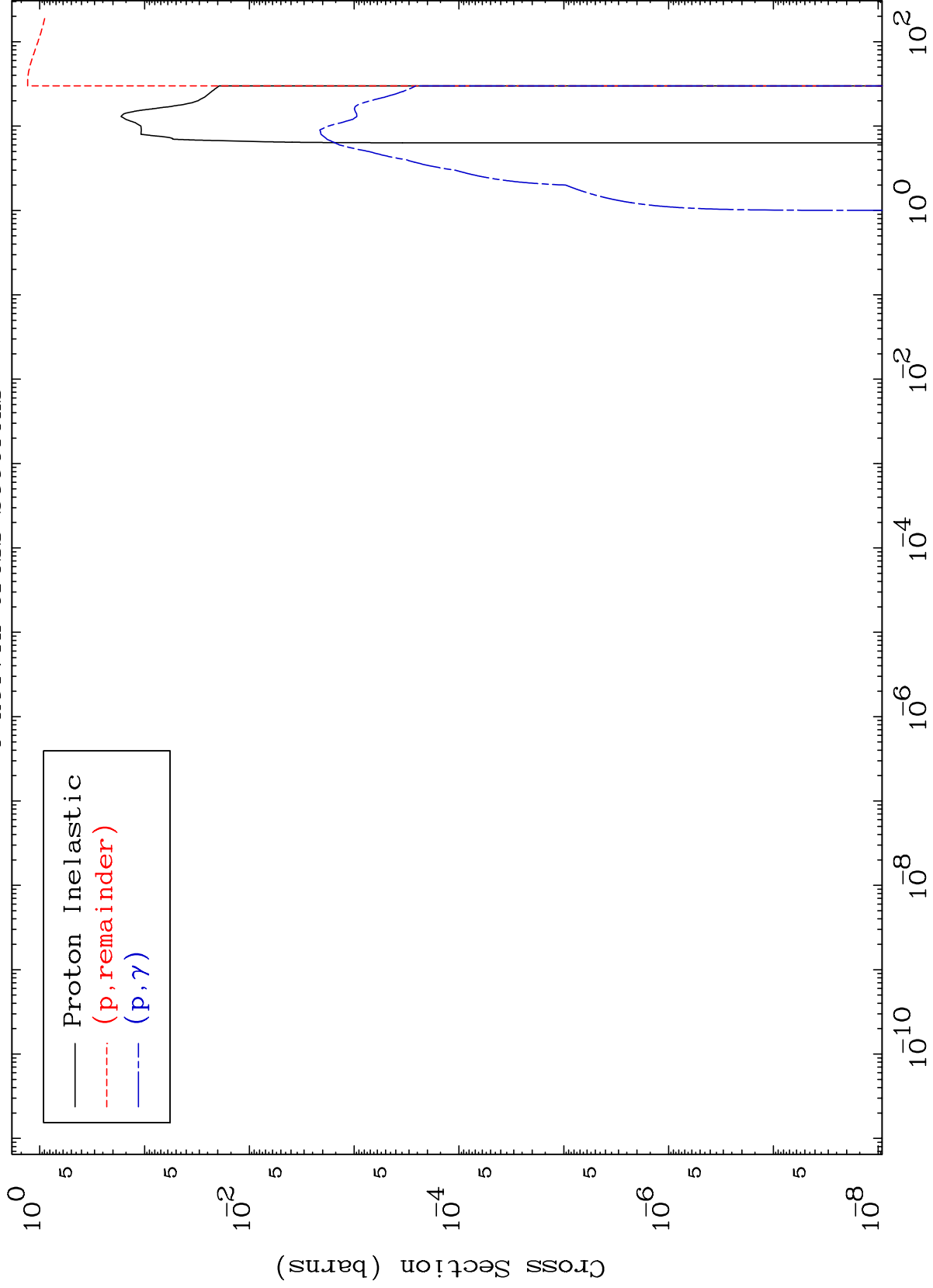
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4016

Proton Major  
0 Kelvin Cross Sections

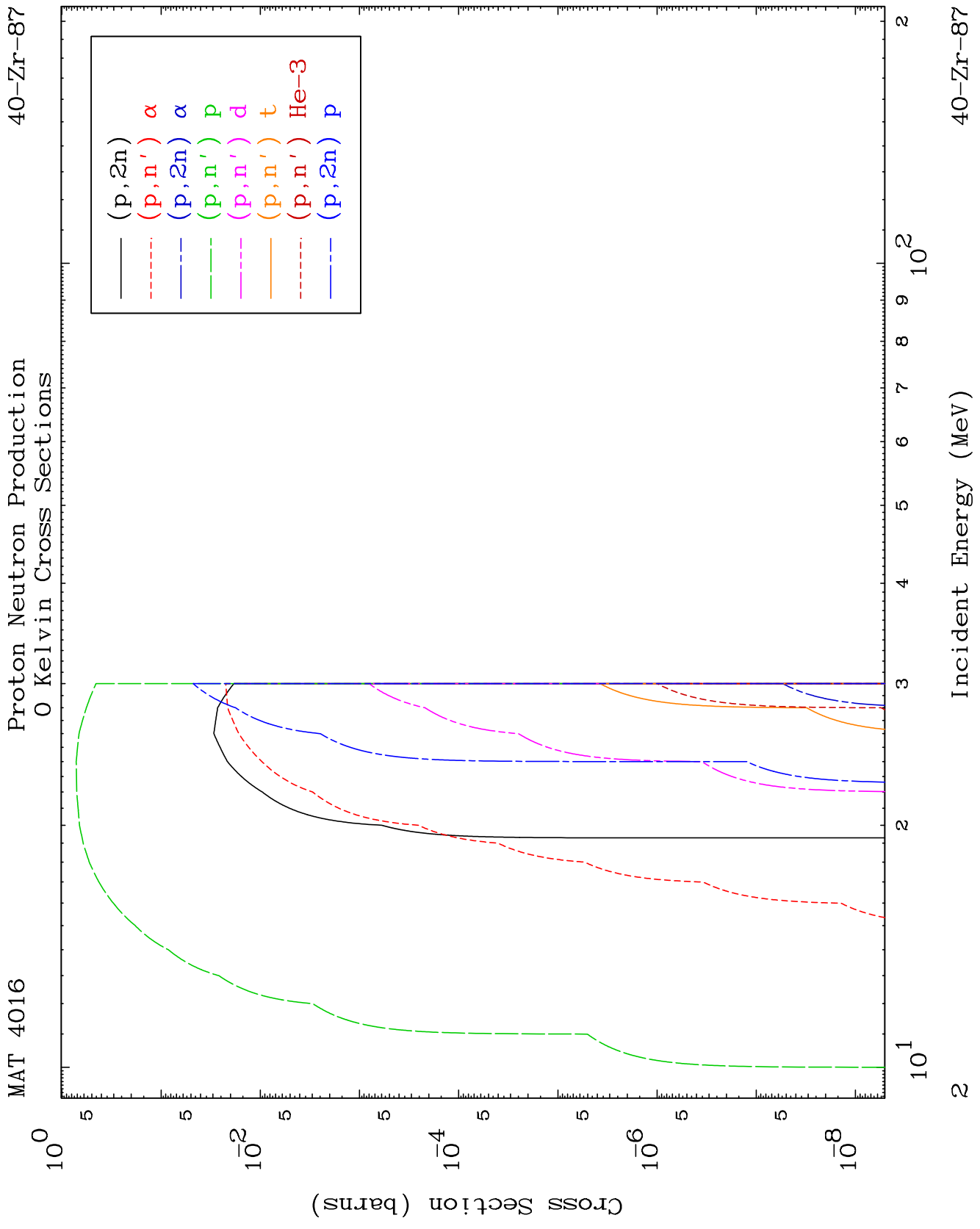
40-Zr-87

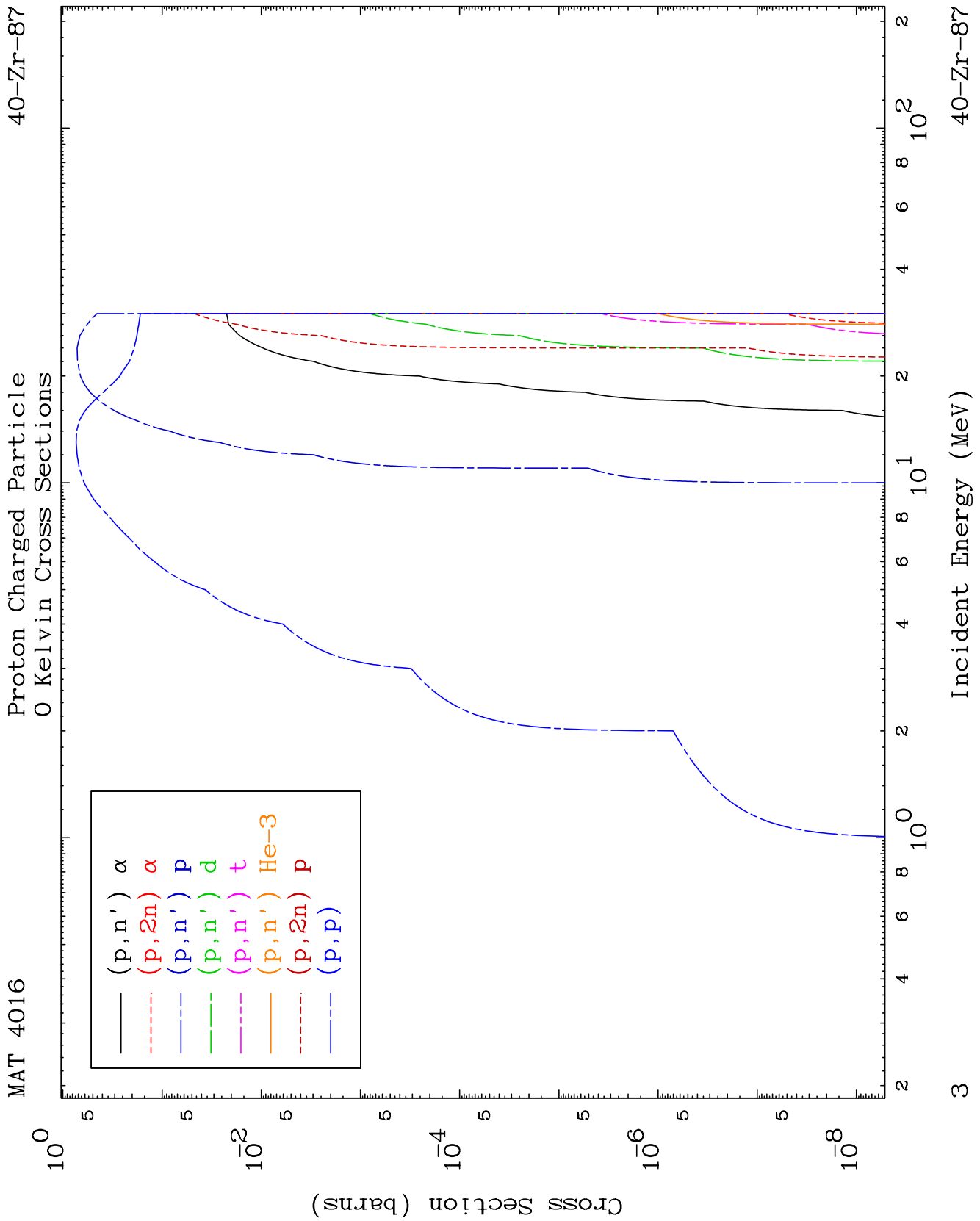


1

Incident Energy (MeV)

40-Zr-87

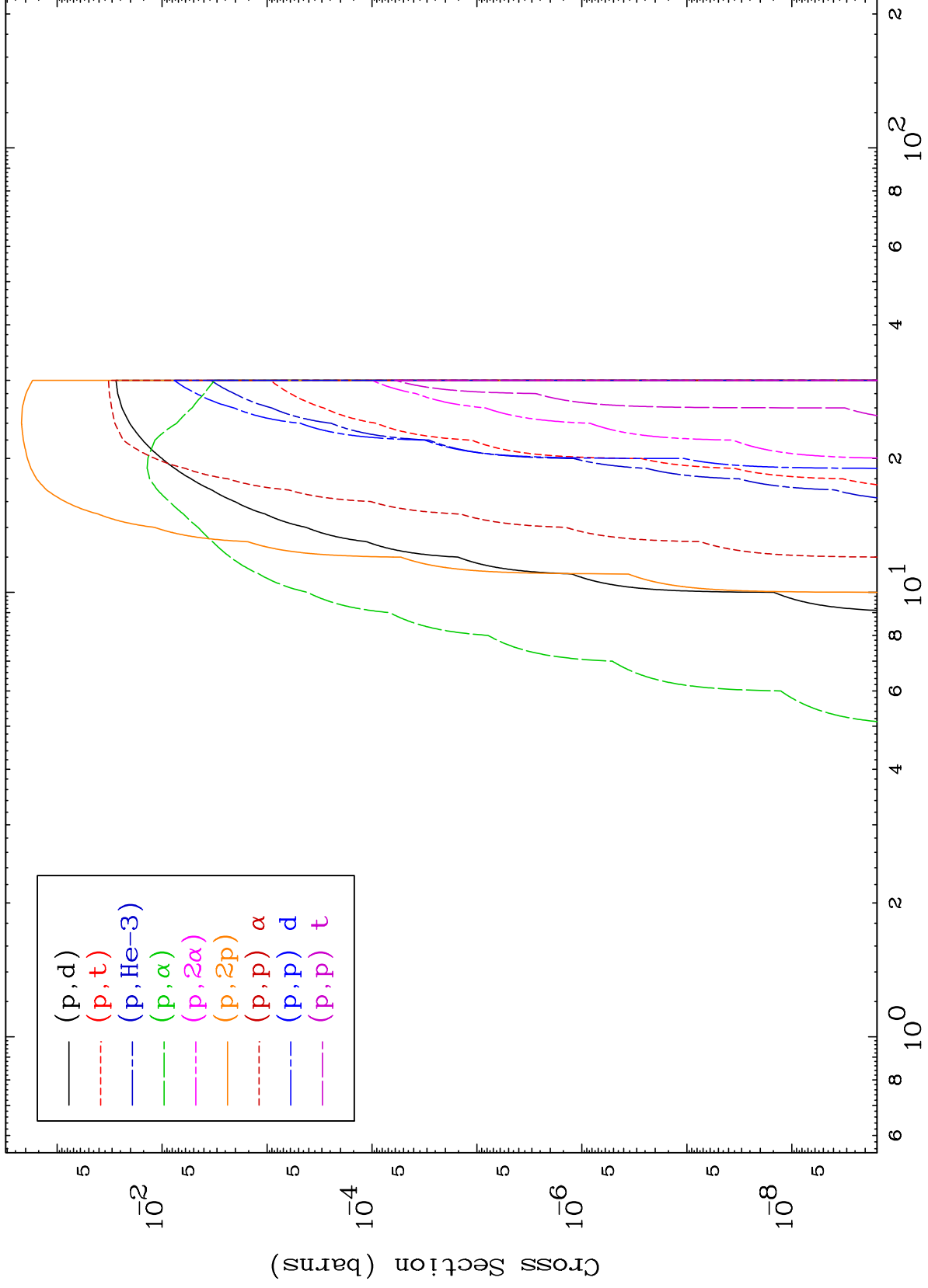




MAT 4016

Proton Charged Particle  
0 Kelvin Cross Sections

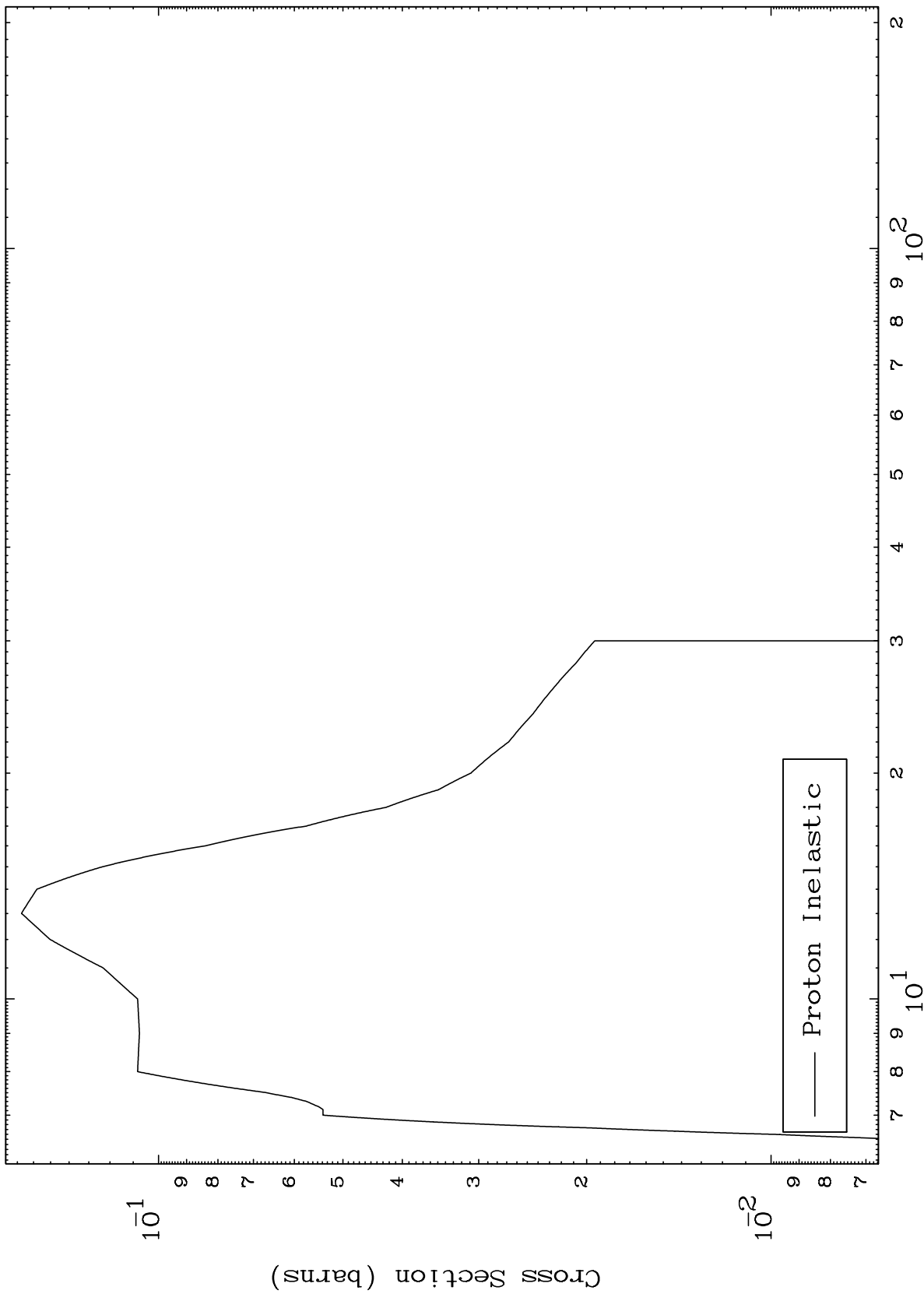
40-Zr-87



MAT 4016

(p,n') Level  
0 Kelvin Cross Sections

40-Zr-87



5

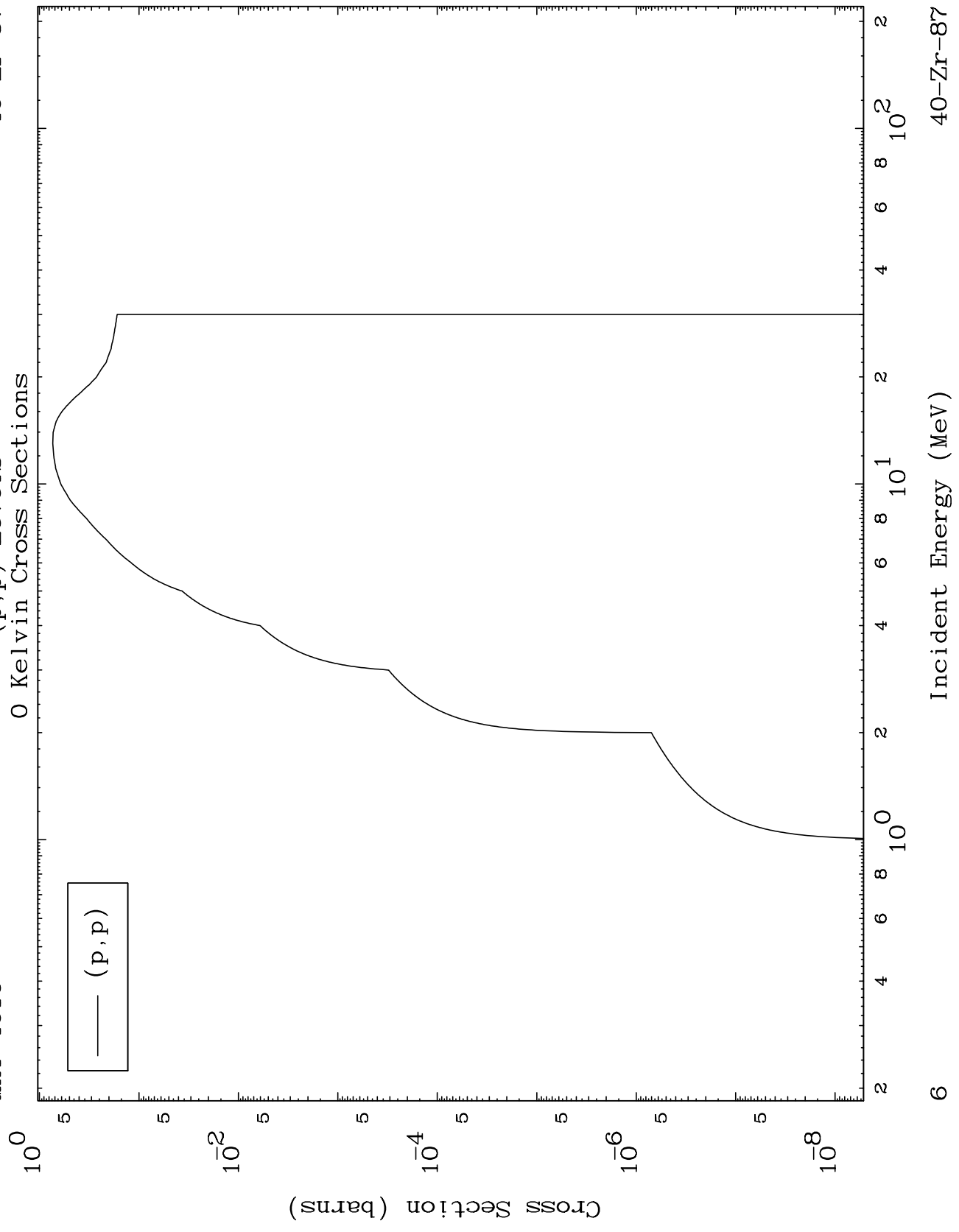
Incident Energy (MeV)

40-Zr-87

MAT 4016

(p,p) Levels

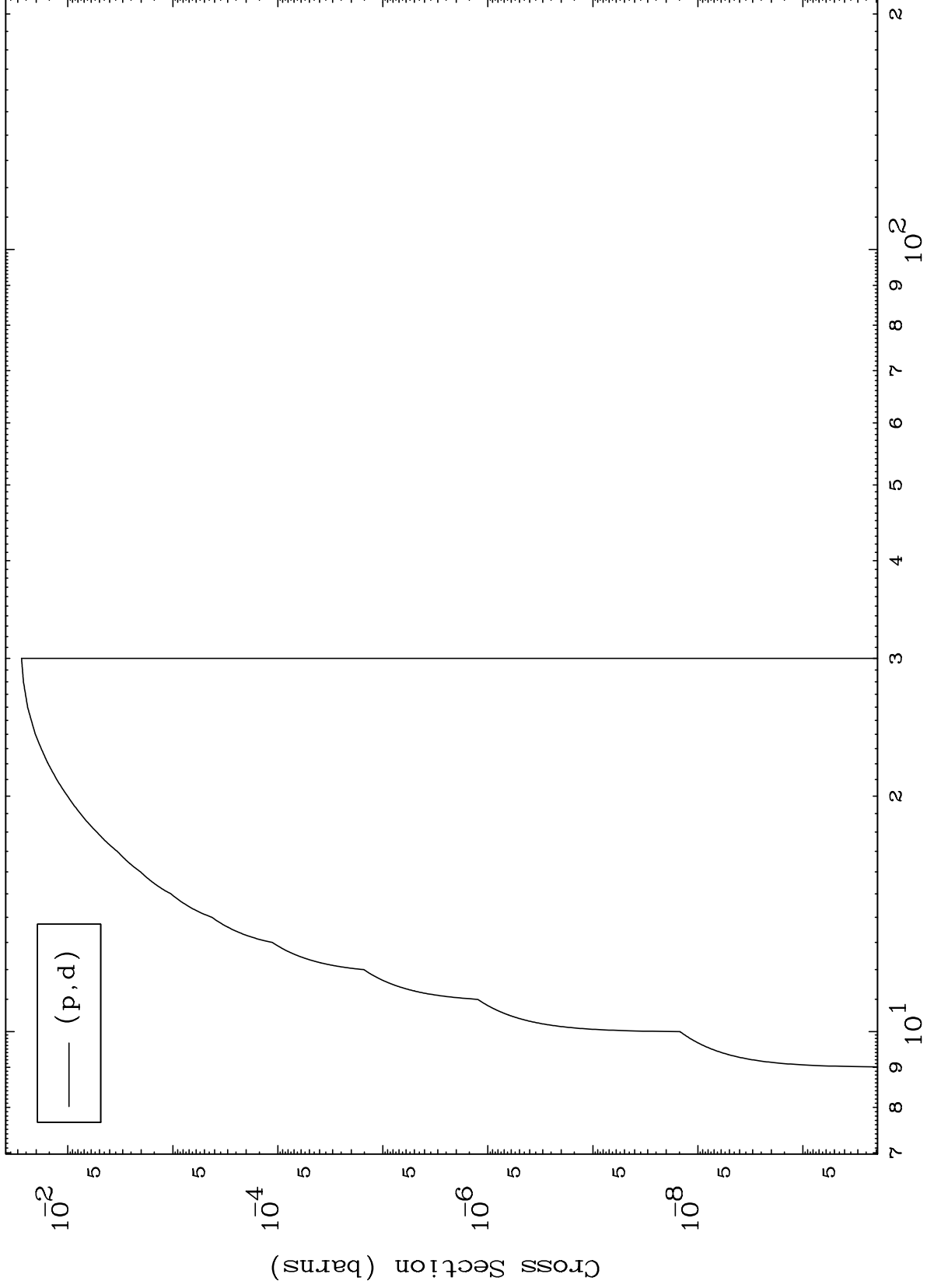
40-Zr-87



MAT 4016

(p,d) Levels  
0 Kelvin Cross Sections

40-Zr-87



7

Incident Energy (MeV)

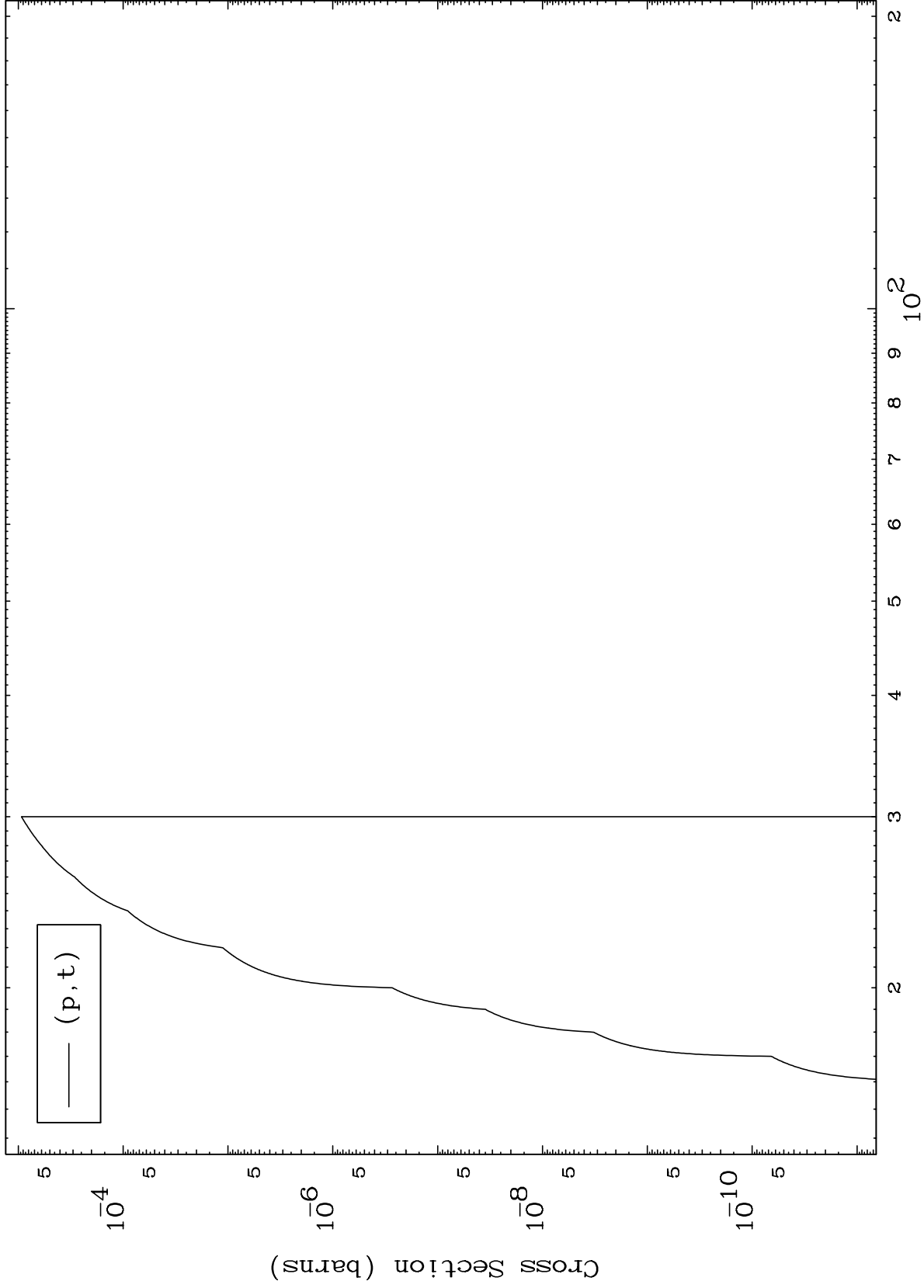
40-Zr-87



MAT 4016

(p,t) Levels  
0 Kelvin Cross Sections

40-Zr-87



8

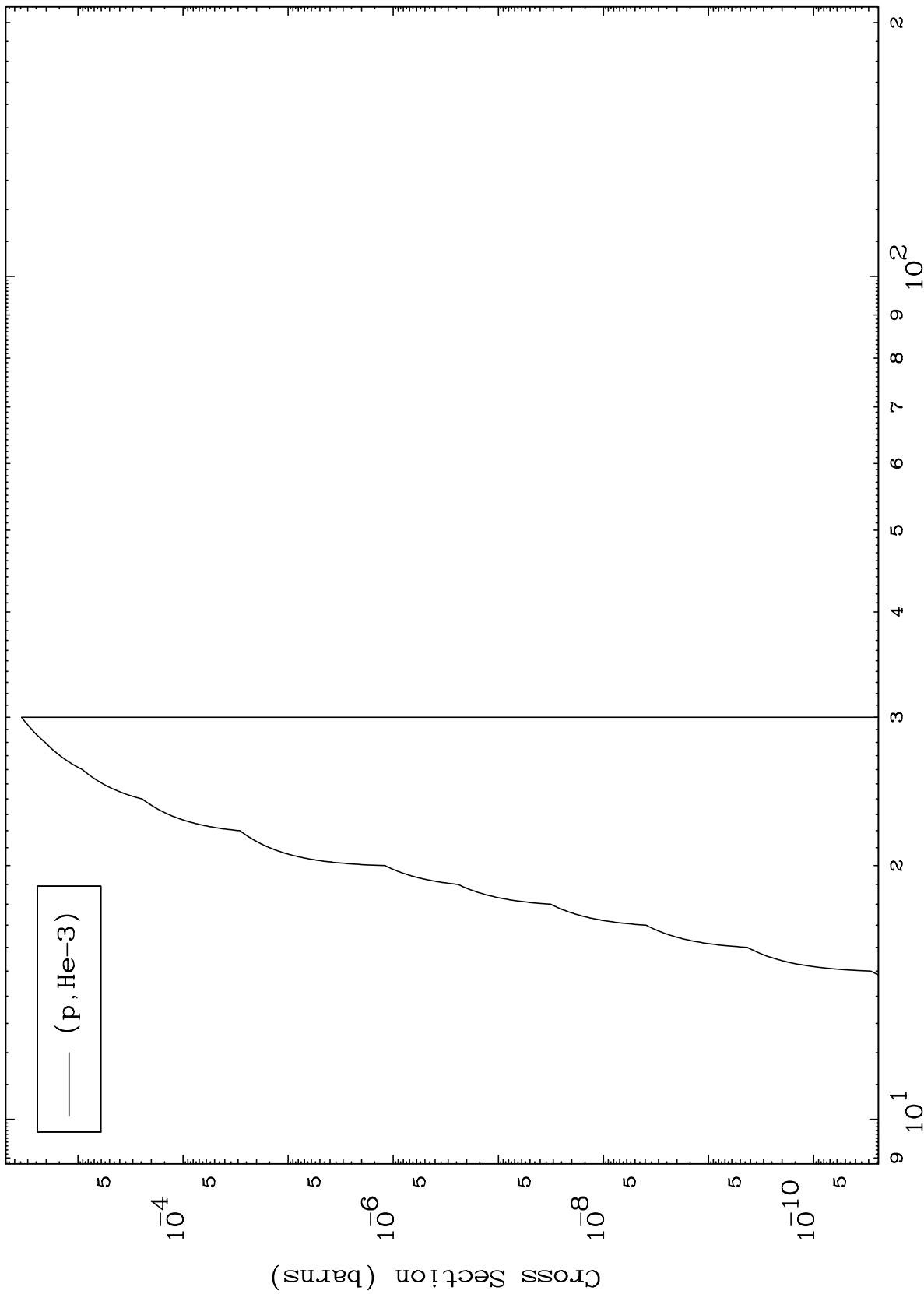
Incident Energy (MeV)

40-Zr-87

MAT 4016

(p,He3) Levels  
0 Kelvin Cross Sections

40-Zr-87



Incident Energy (MeV)

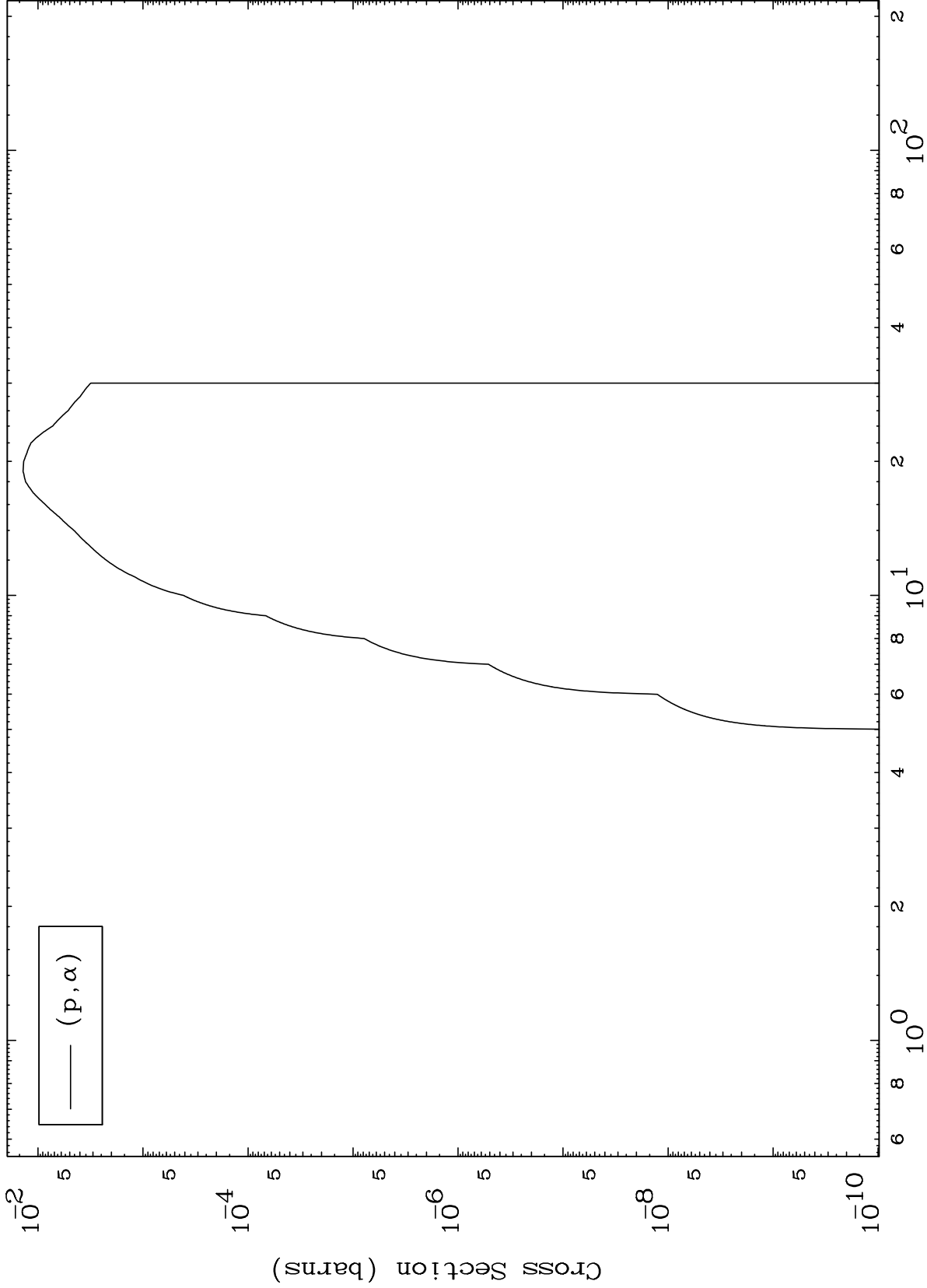
40-Zr-87

MAT 4016

(p,  $\alpha$ ) Levels

40-Zr-87

0 Kelvin Cross Sections



(p,  $\alpha$ )

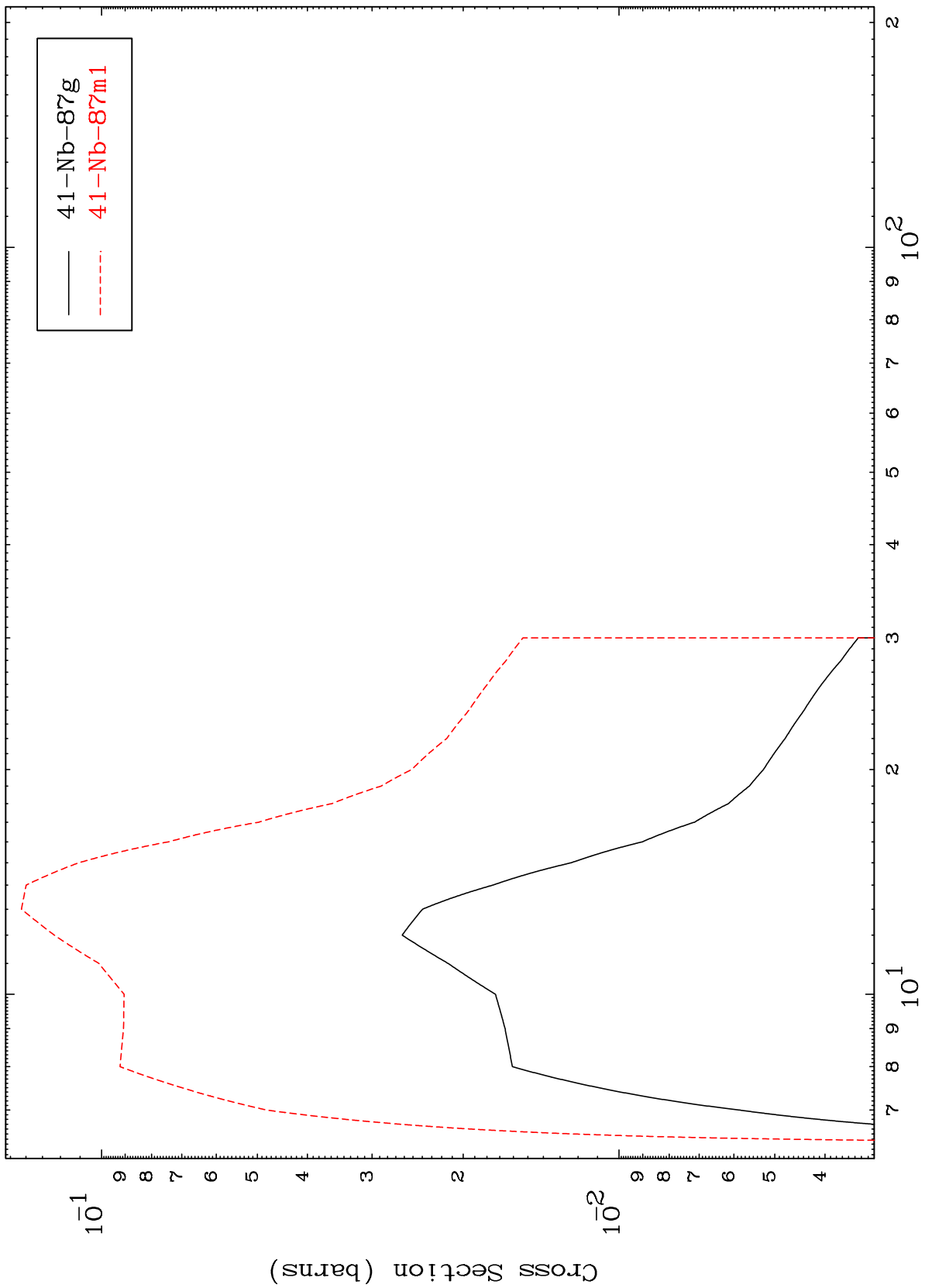
Incident Energy (MeV)

40-Zr-87

MAT 4016

40-Zr-87

Proton Inelastic  
Radionuclide Production Cross Section

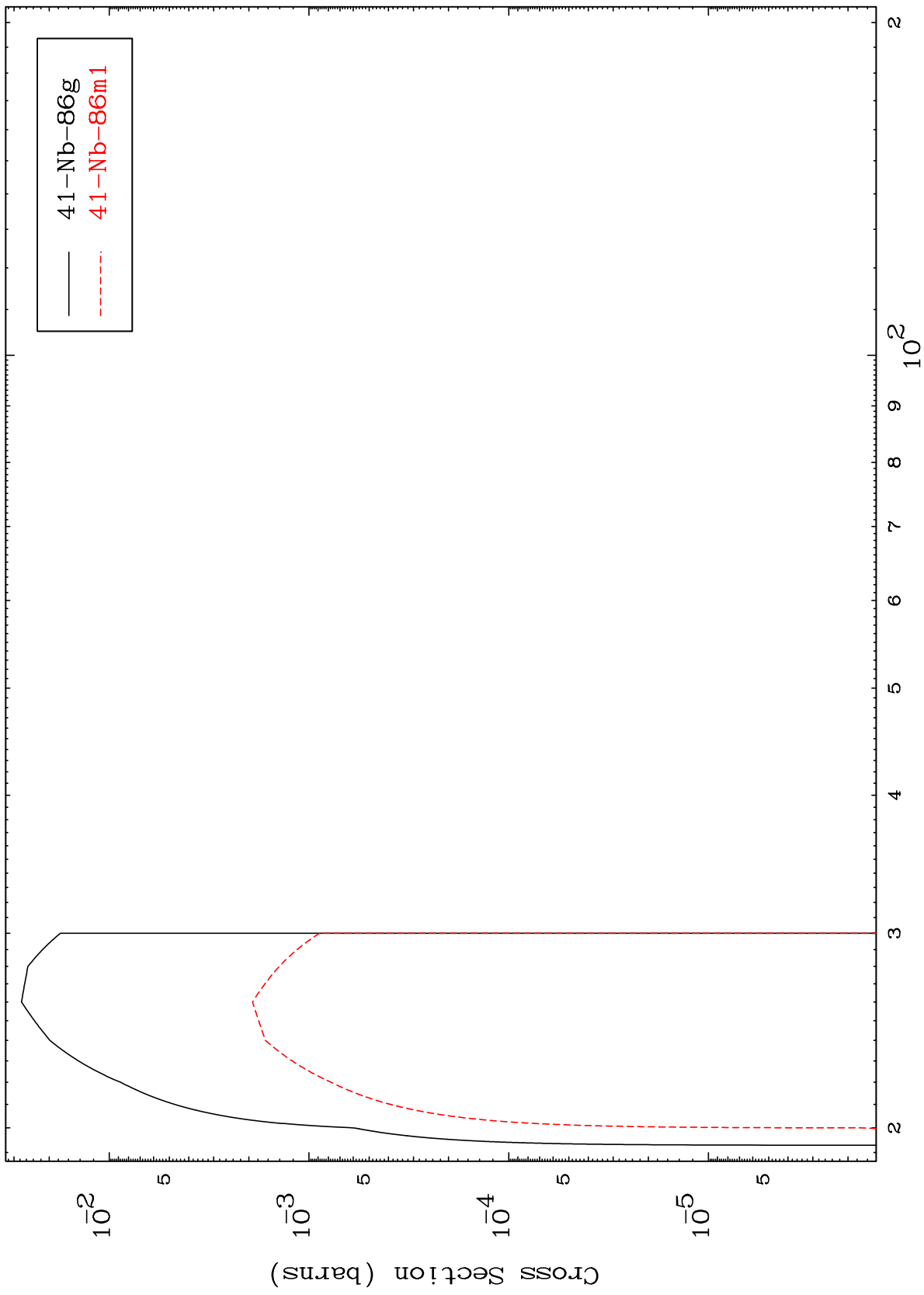


41-Nb-87g  
41-Nb-87m1

MAT 4016

40-Zr-87

(p,2n)  
Radionuclide Production Cross Section



40-Zr-87

Incident Energy (MeV)

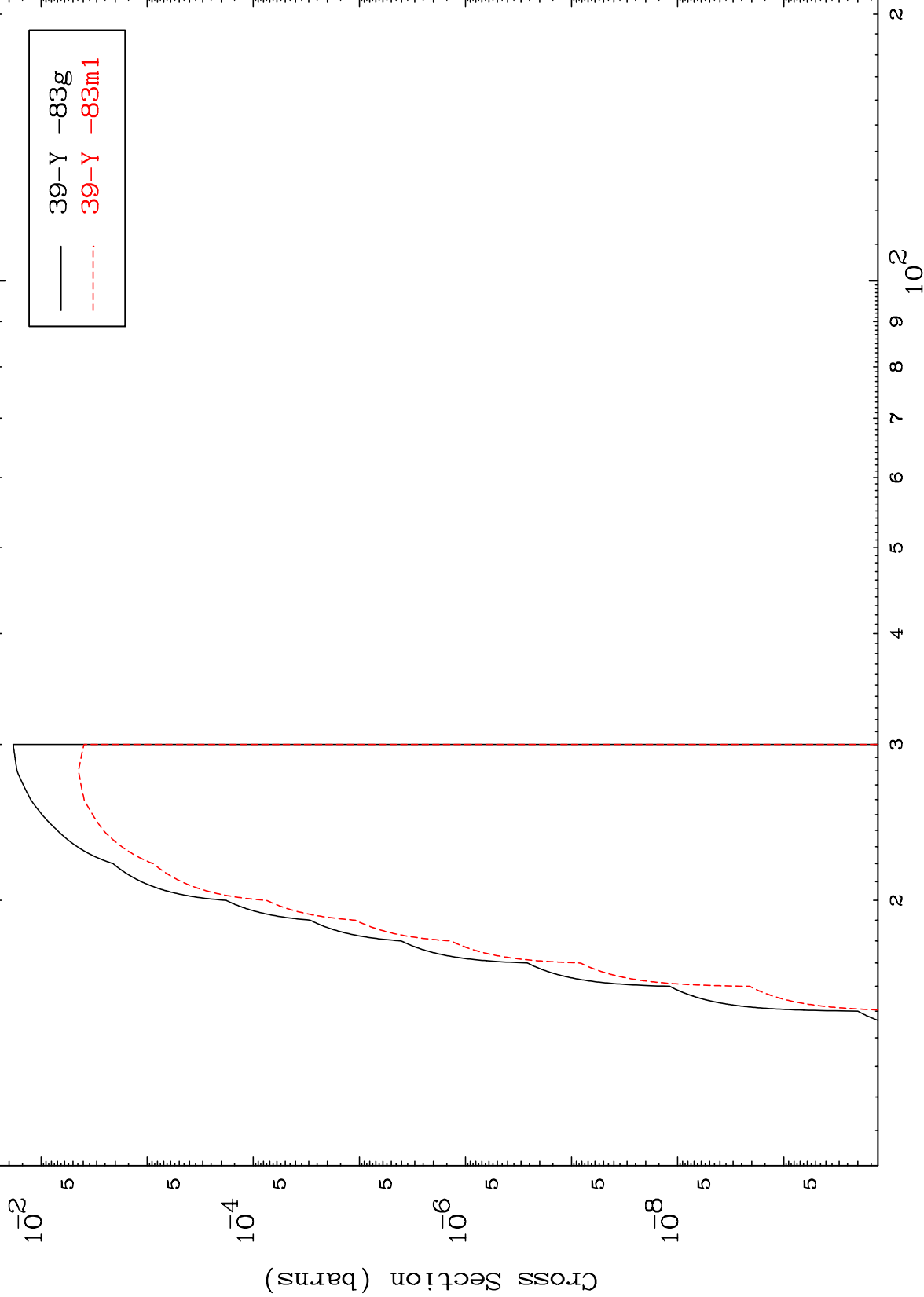
12

MAT 4016

(p,n')  $\alpha$

40-Zr-87

Radionuclide Production Cross Section



13

Incident Energy (MeV)

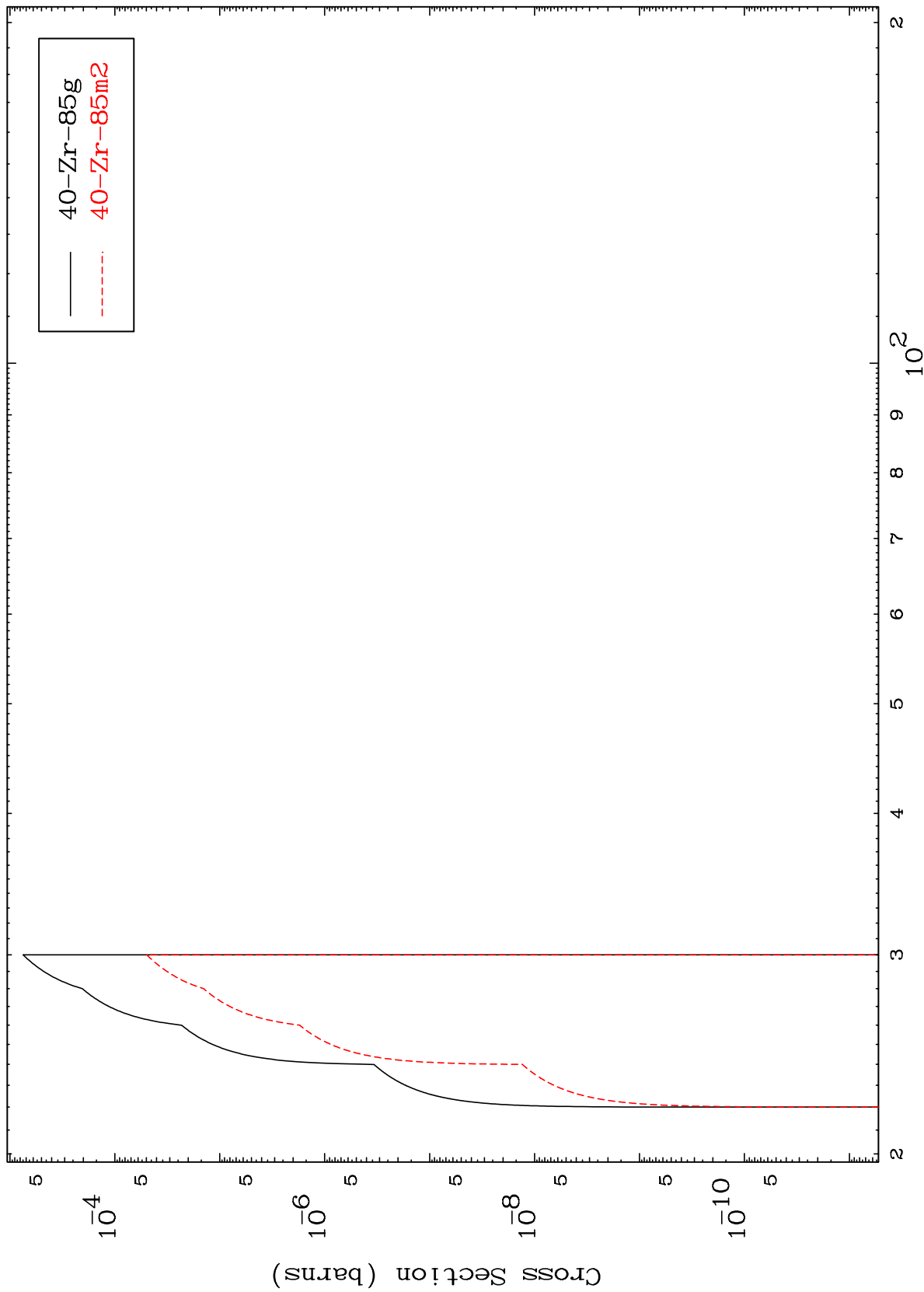
40-Zr-87

MAT 4016

(p,n') d

40-Zr-87

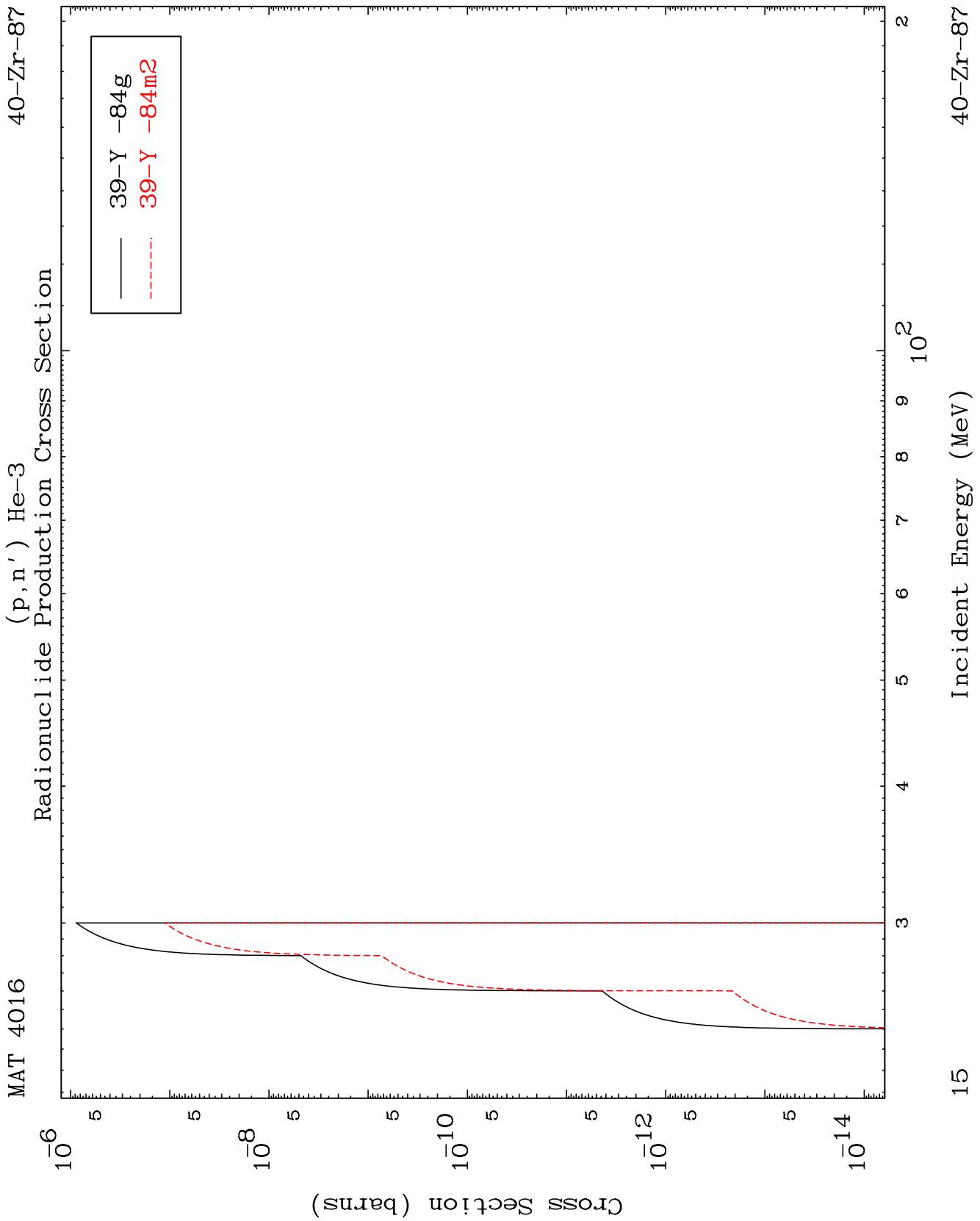
Radionuclide Production Cross Section



14

Incident Energy (MeV)

40-Zr-87

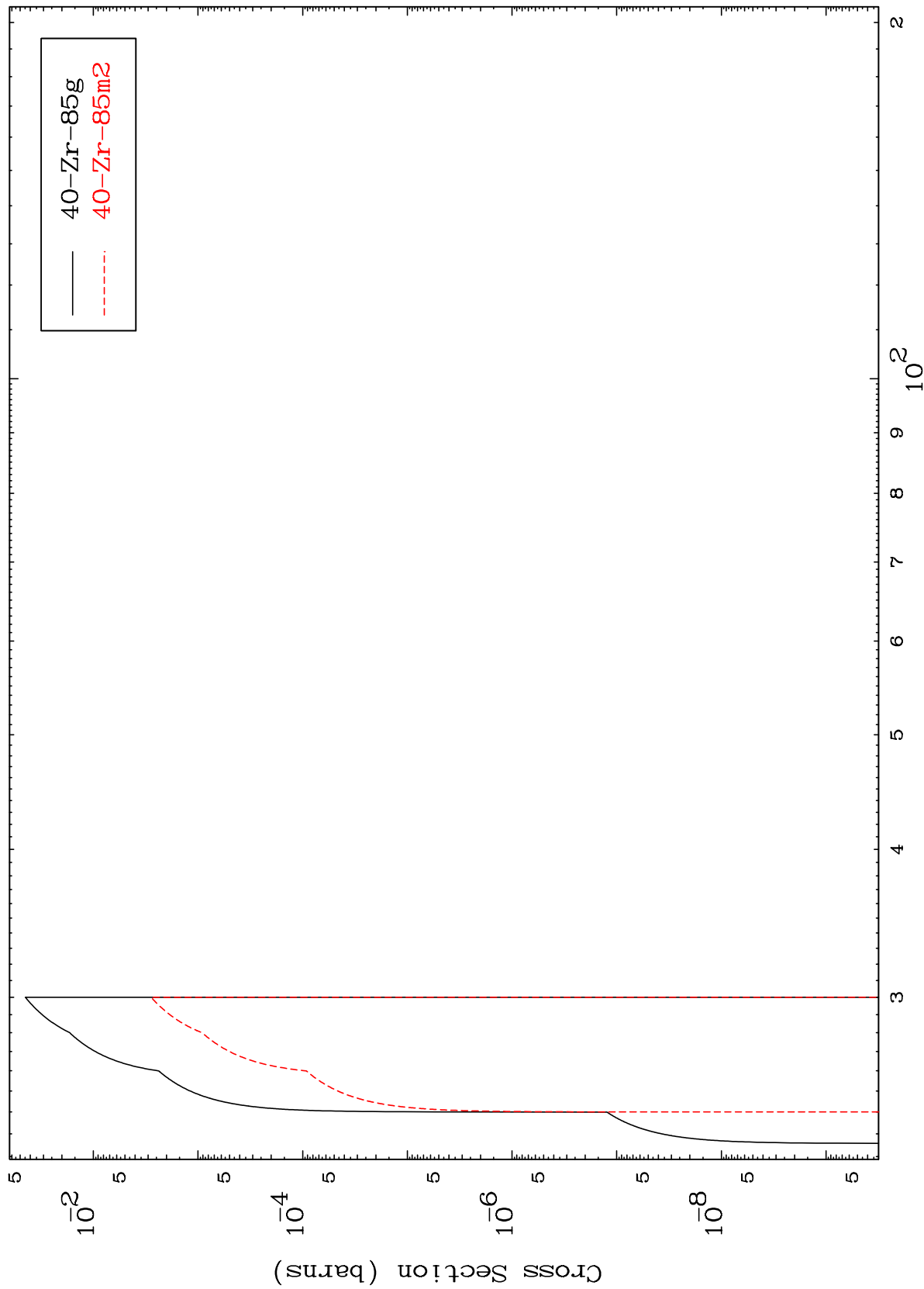




MAT 4016

40-Zr-87

(p,2n) p  
Radionuclide Production Cross Section



16

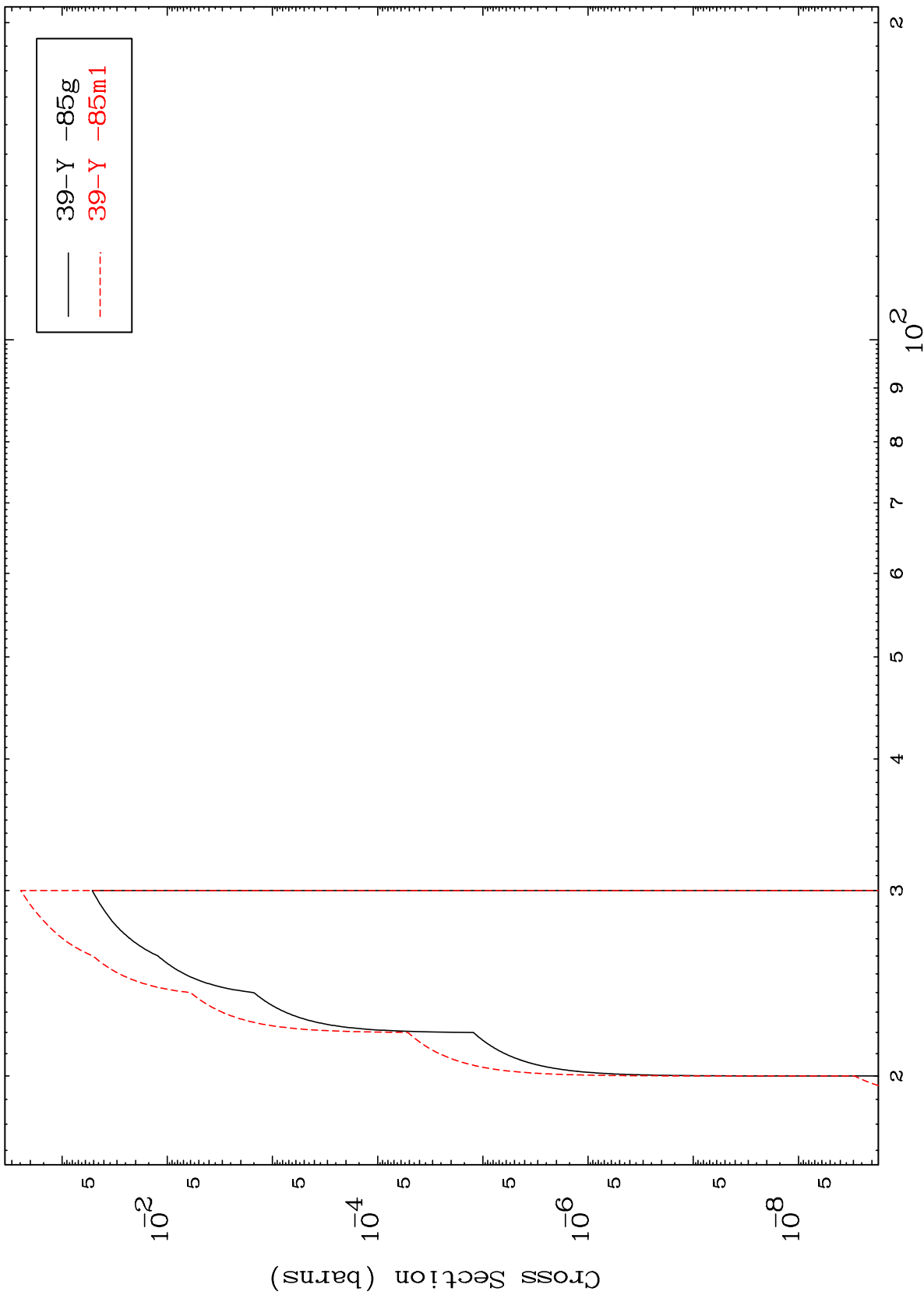
40-Zr-87

MAT 4016

(p,2n) p

40-Zr-87

Radionuclide Production Cross Section



17

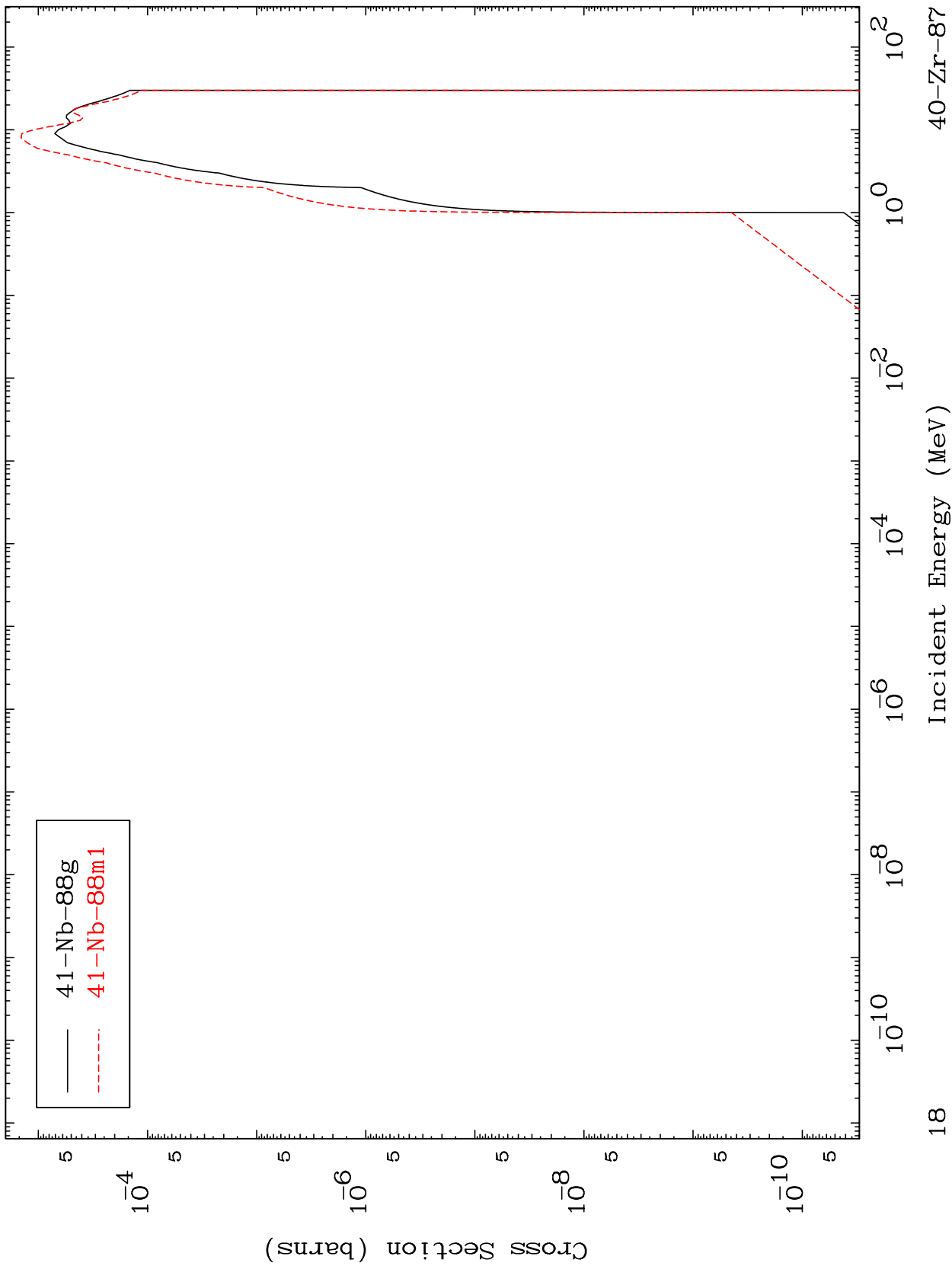
Incident Energy (MeV)

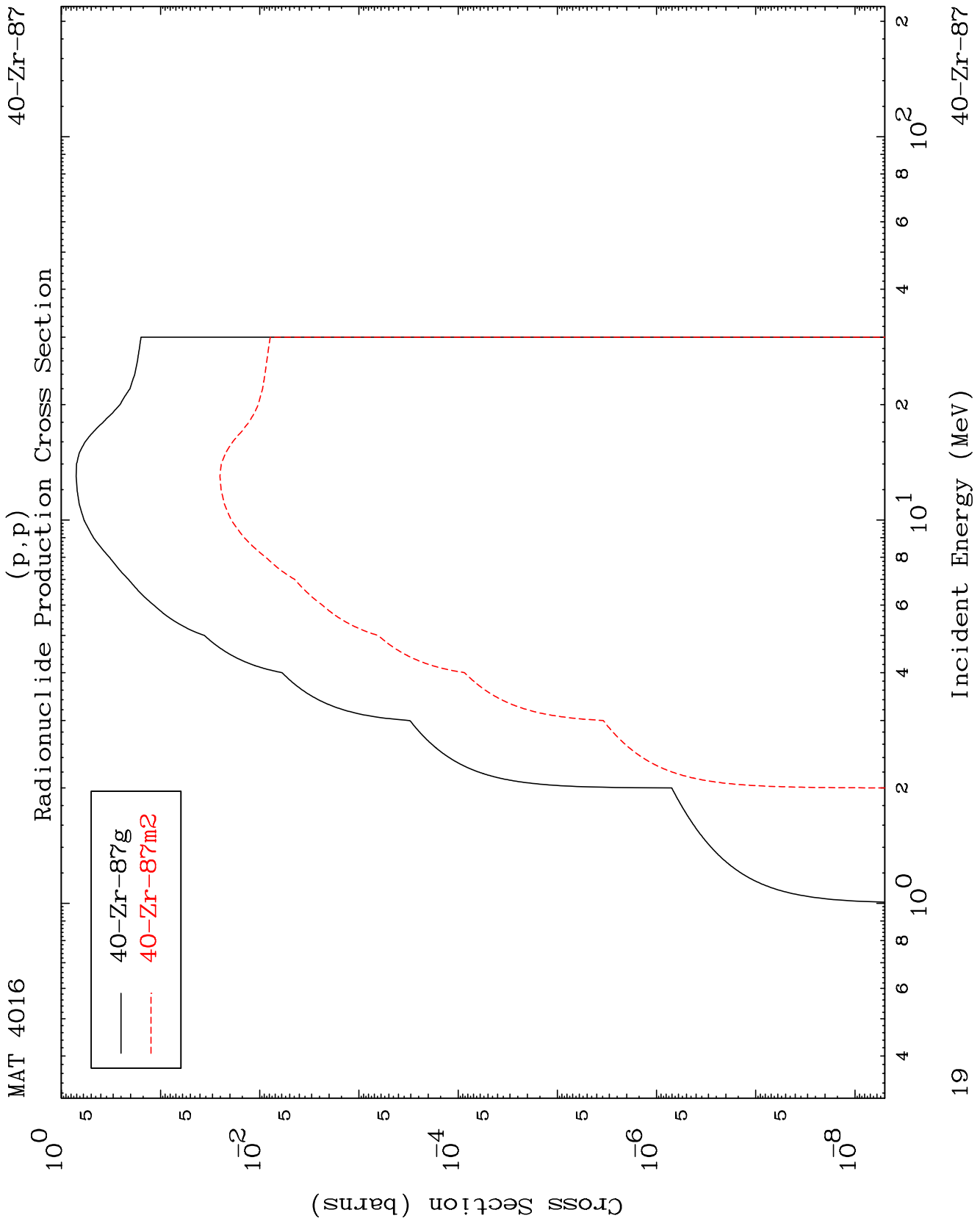
40-Zr-87

MAT 4016

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

40-Zr-87

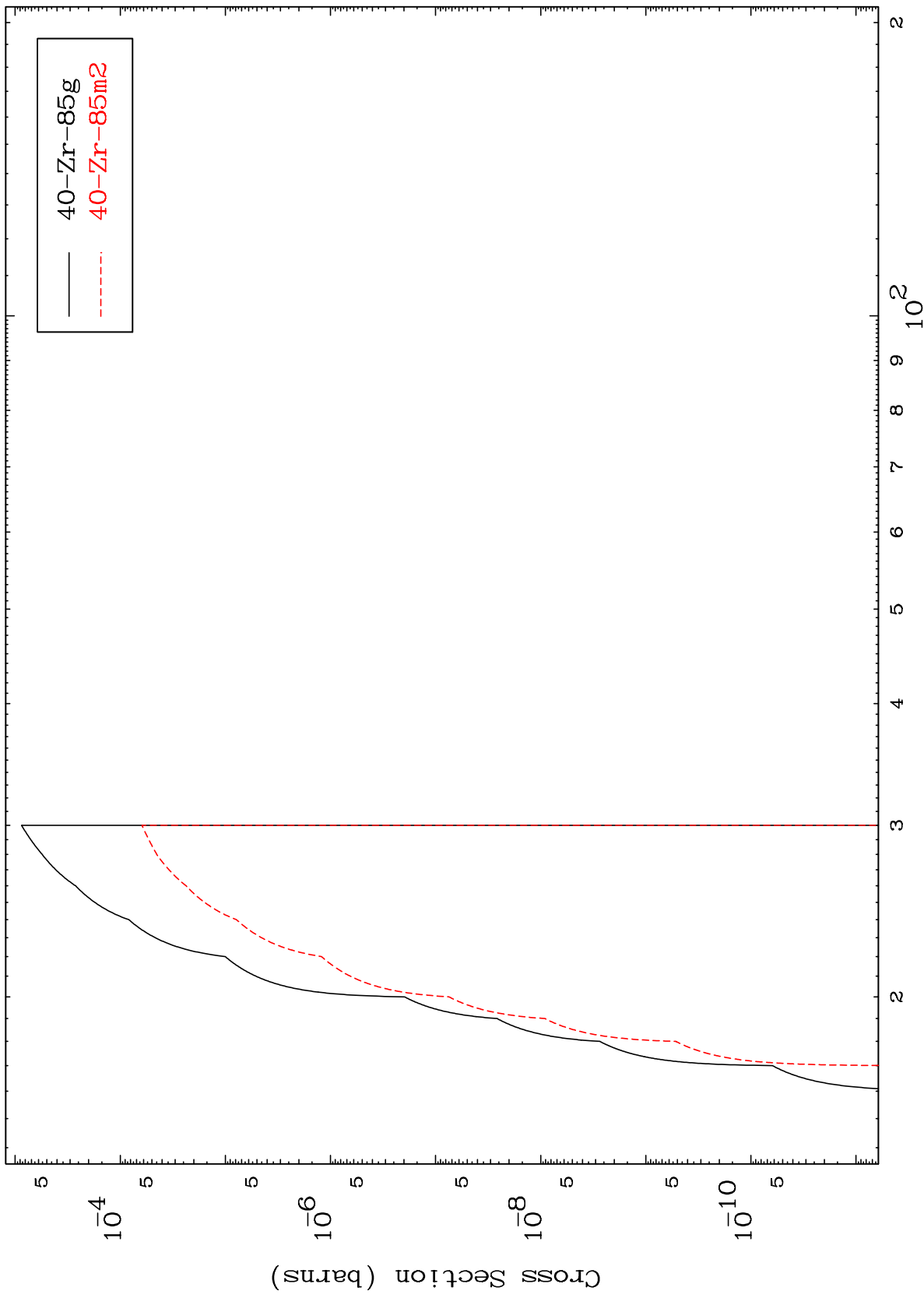




MAT 4016

40-Zr-87

(p,t)  
Radionuclide Production Cross Section



40-Zr-85g  
40-Zr-85m2

20

Incident Energy (MeV)

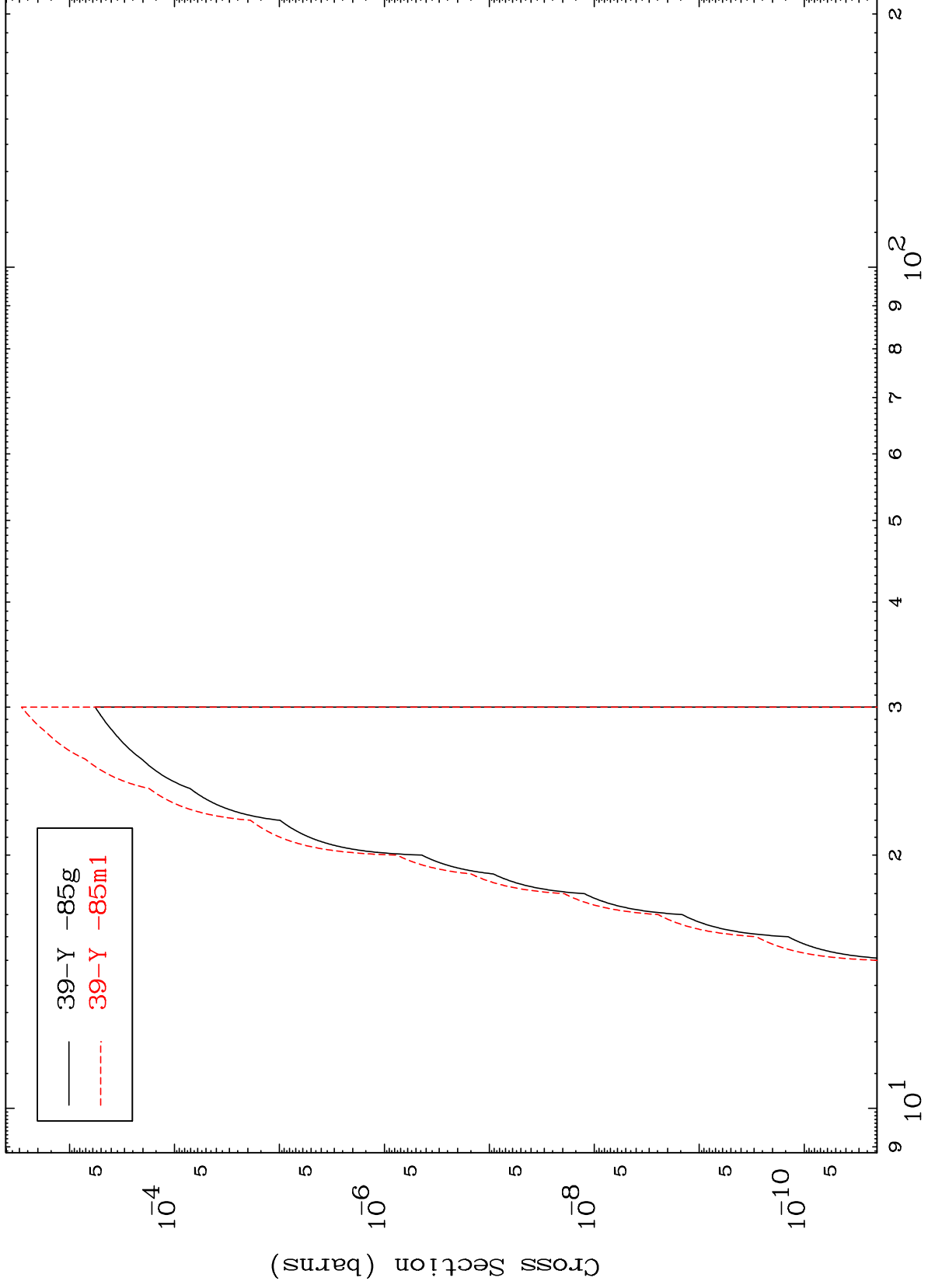
40-Zr-87

MAT 4016

(p,He-3)

40-Zr-87

Radionuclide Production Cross Section



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

21

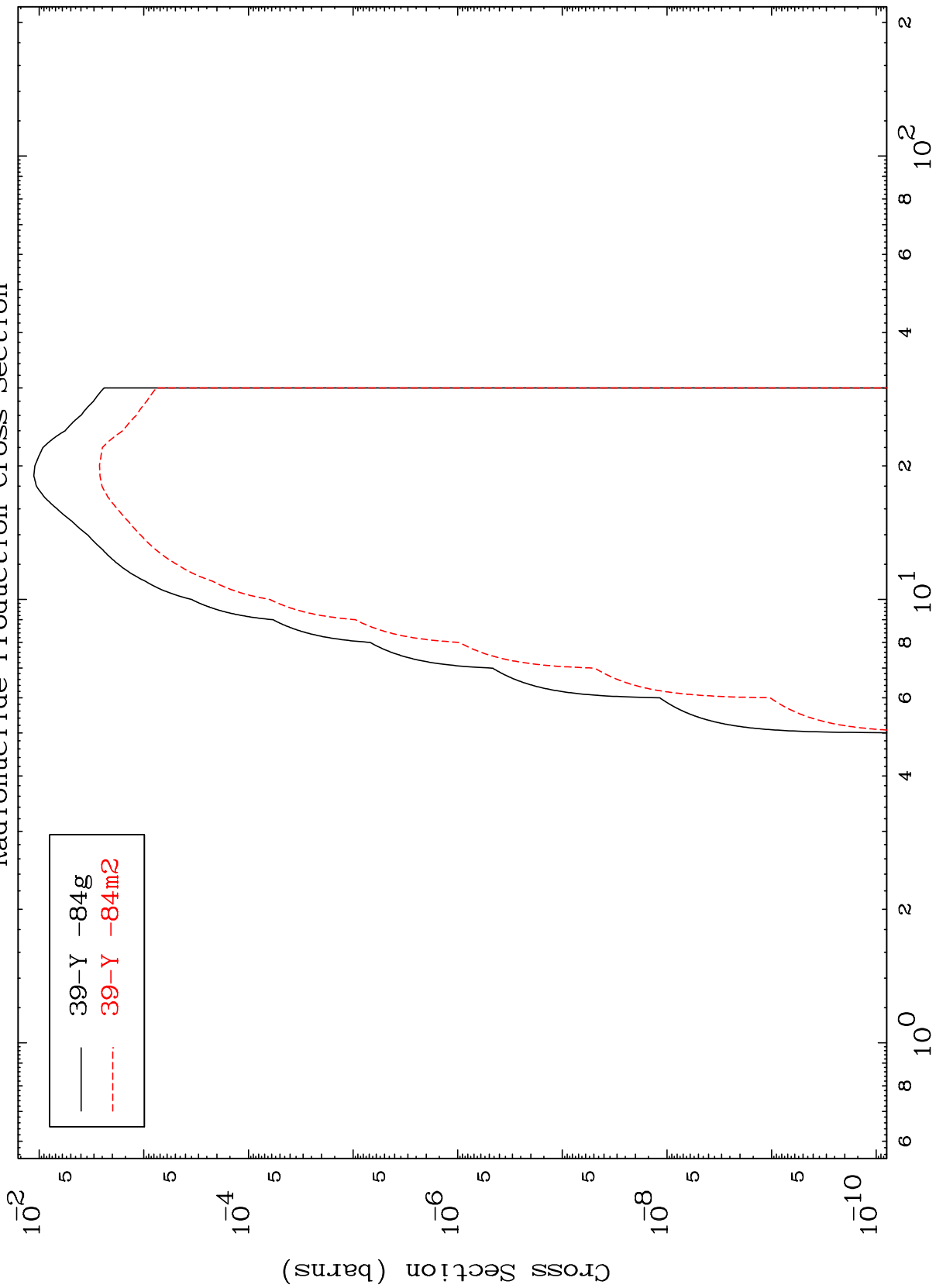
Incident Energy (MeV)

40-Zr-87

MAT 4016

40-Zr-87

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



— 39-Y -84g  
- - - 39-Y -84m2

40-Zr-87

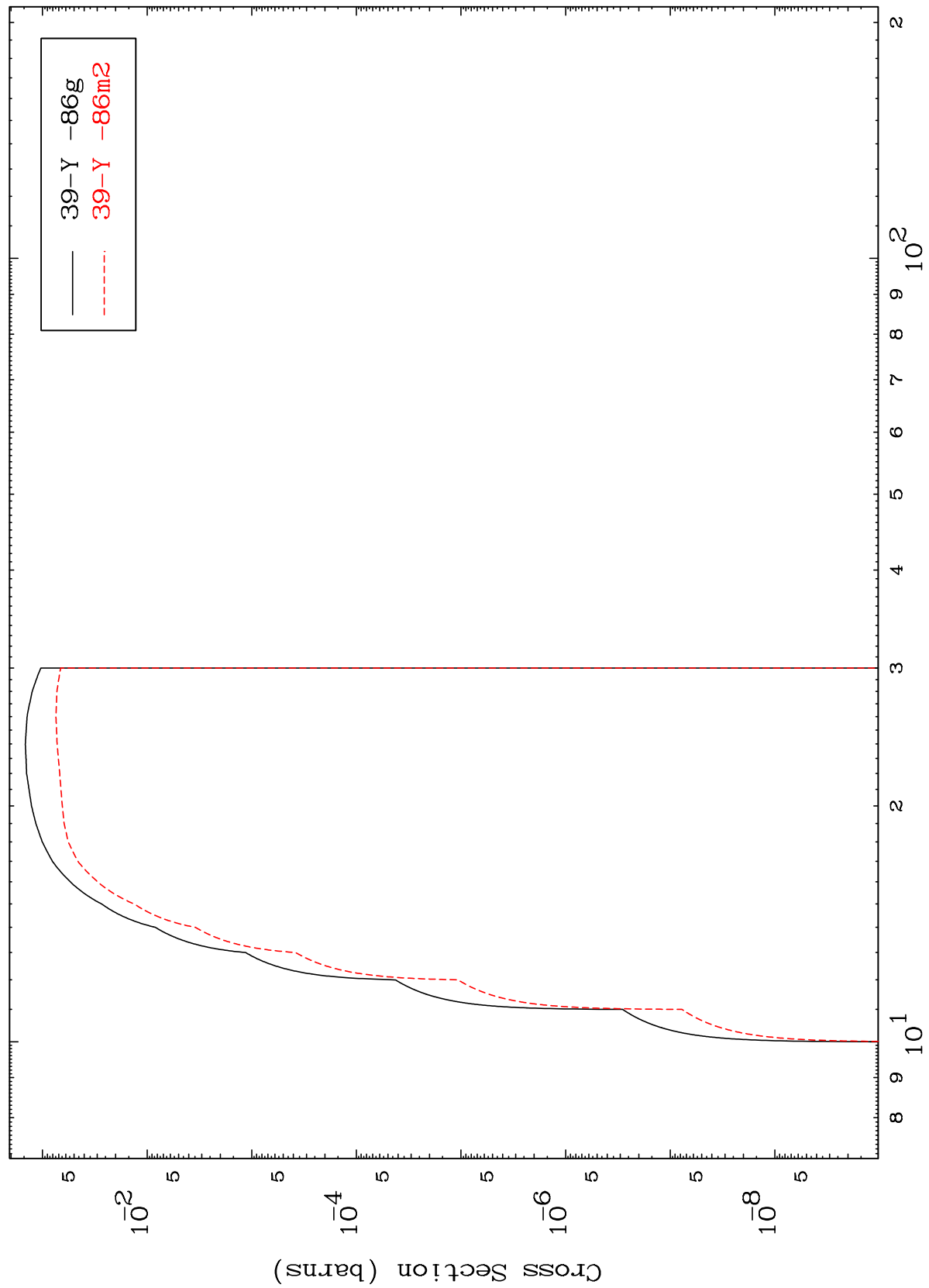
Incident Energy (MeV)

22

MAT 4016

40-Zr-87

(p,2p)  
Radionuclide Production Cross Section



Incident Energy (MeV)

40-Zr-87

23

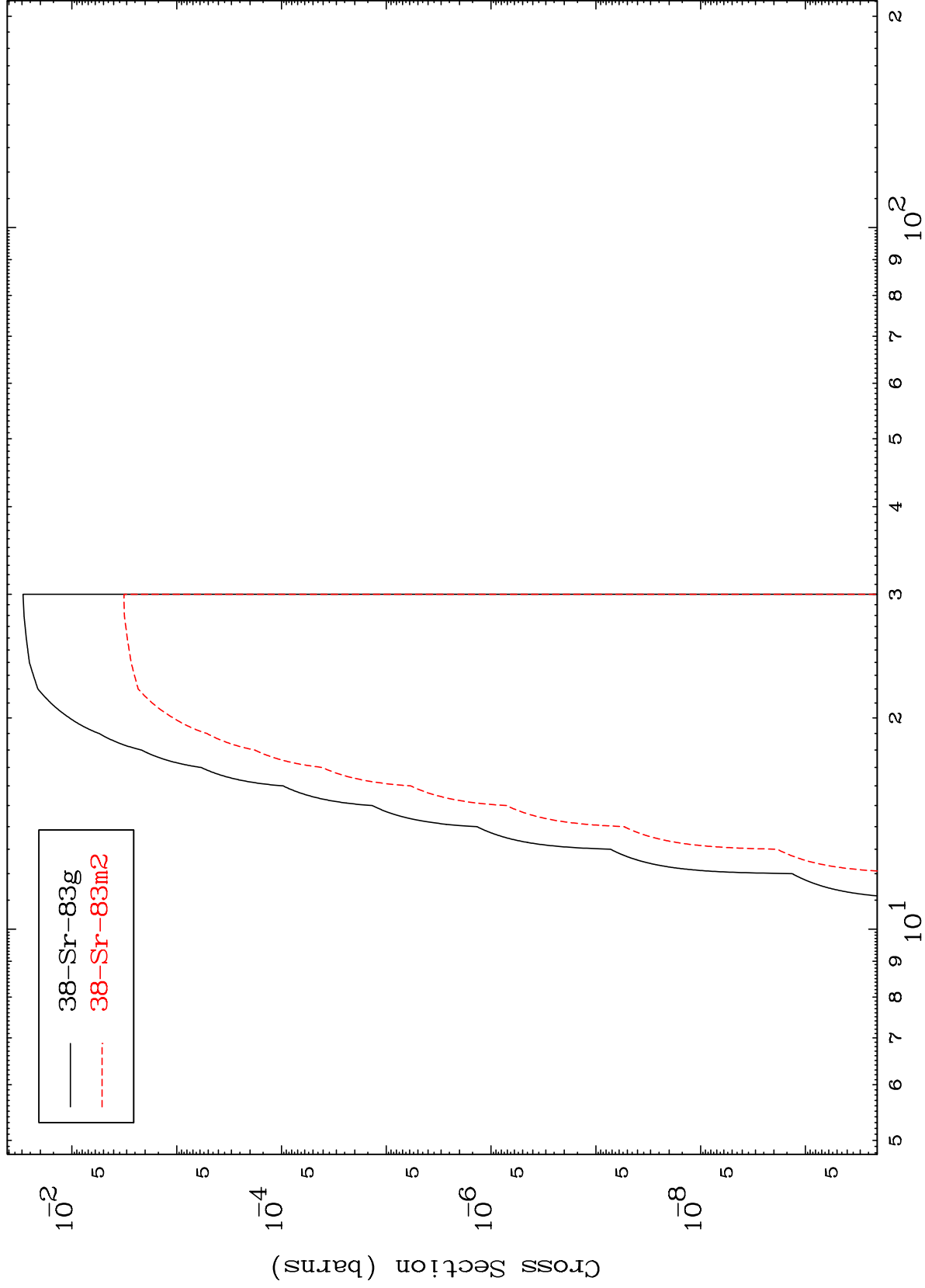


MAT 4016

(p,p)  $\alpha$

40-Zr-87

Radionuclide Production Cross Section



24

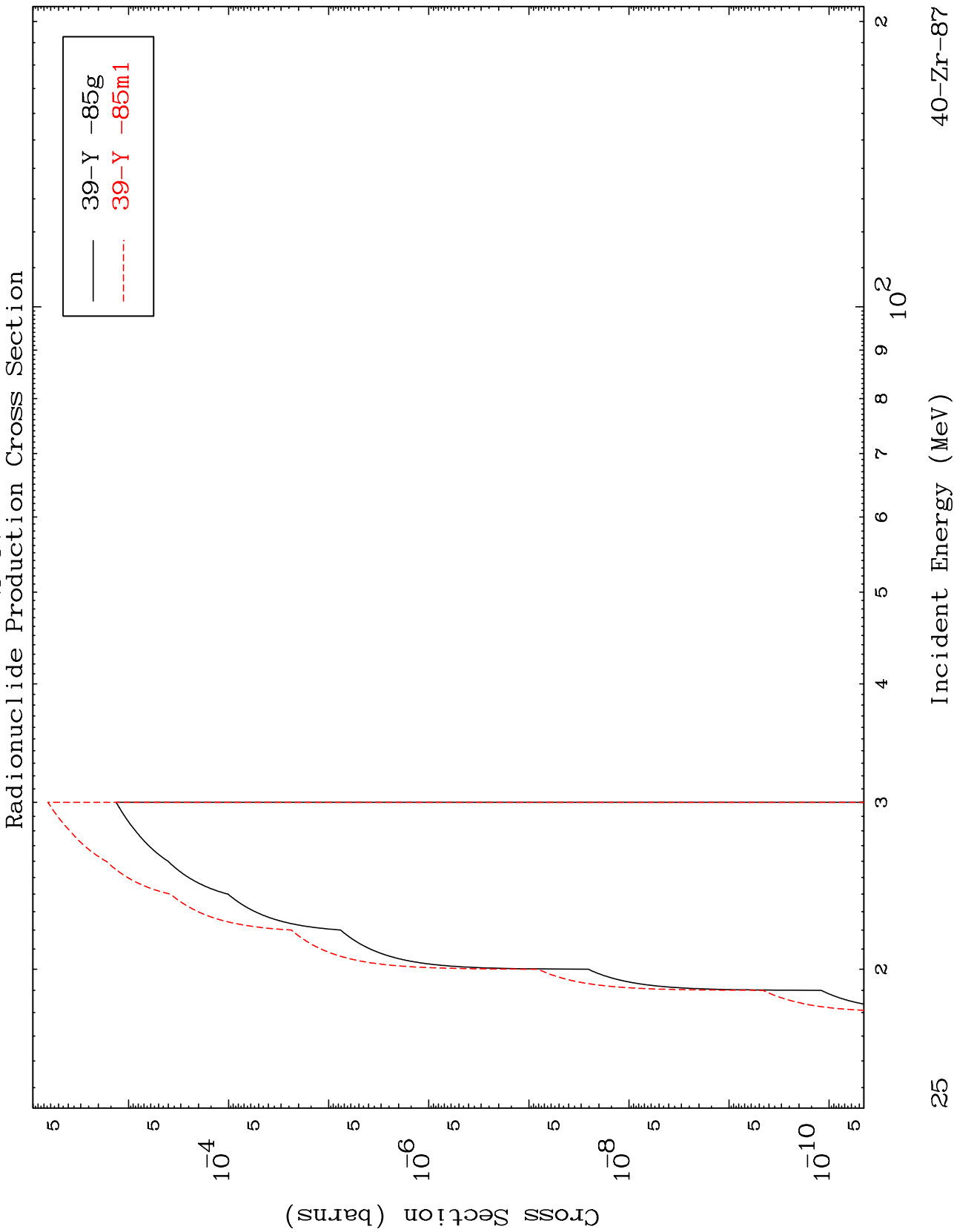
Incident Energy (MeV)

40-Zr-87

MAT 4016

(p,p) d

40-Zr-87



25

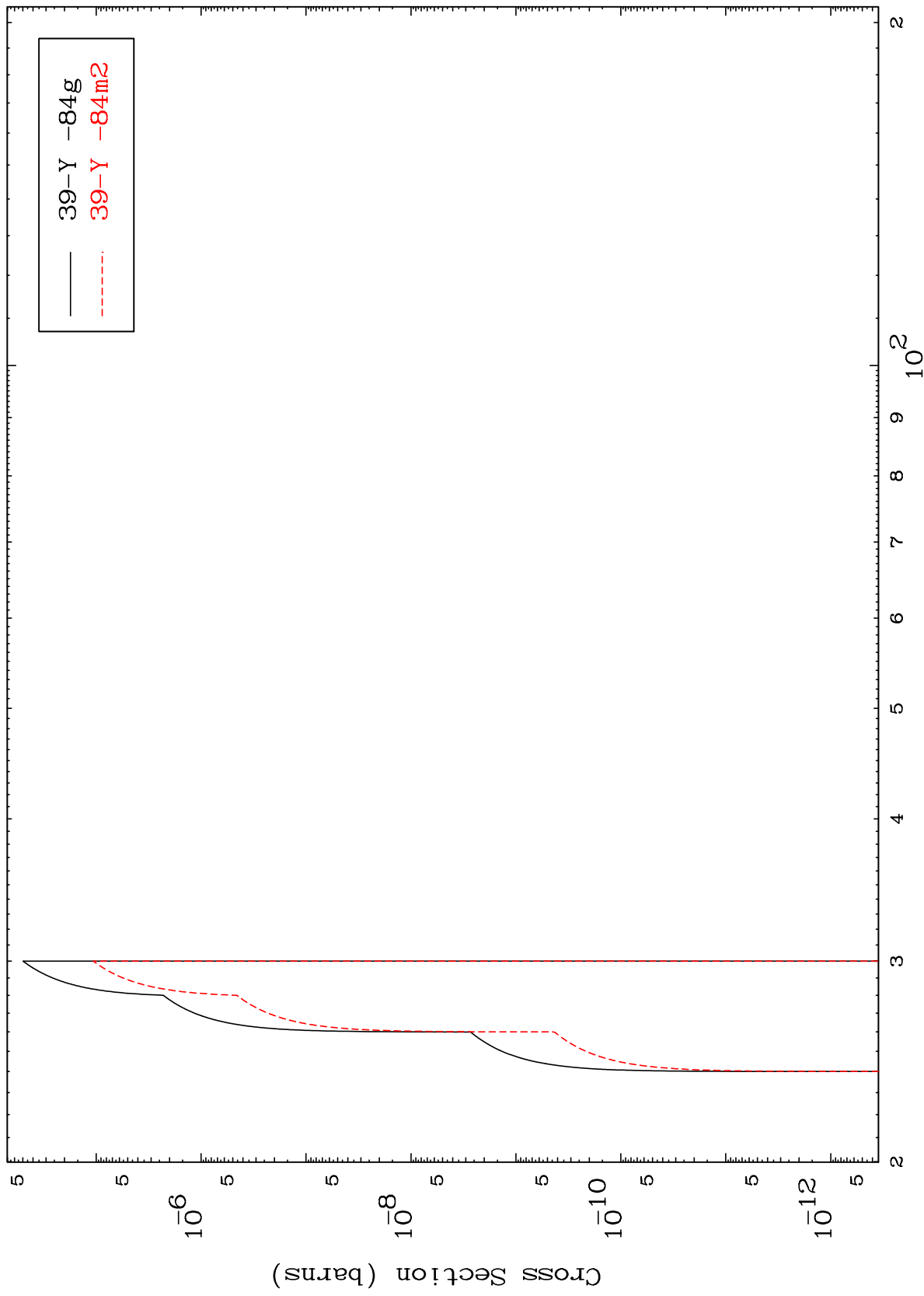
40-Zr-87

MAT 4016

(p,p) t

40-Zr-87

Radionuclide Production Cross Section



26

Incident Energy (MeV)

40-Zr-87