

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

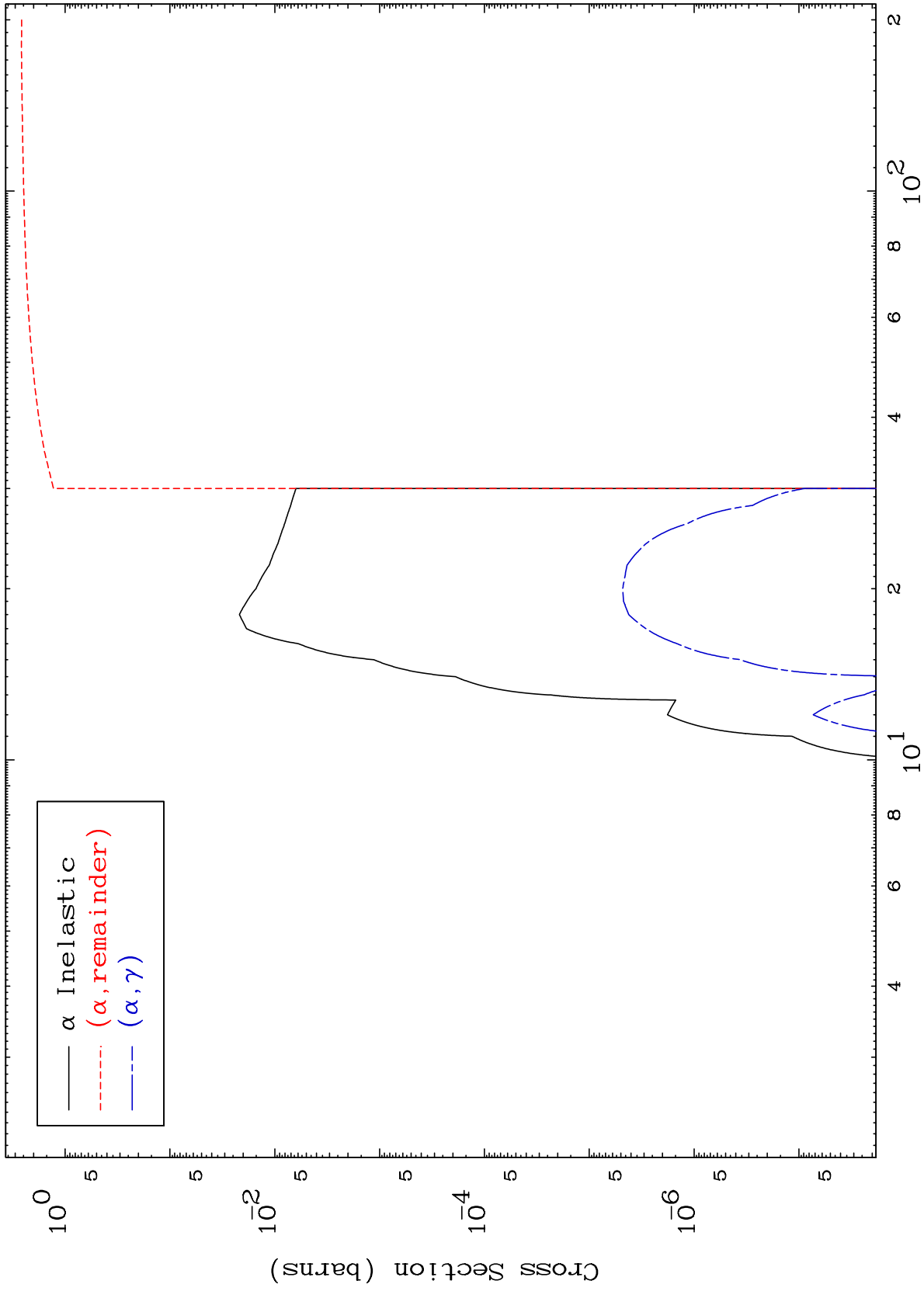
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7043

0 Kelvin  $\alpha$  Major

70-Yb-174

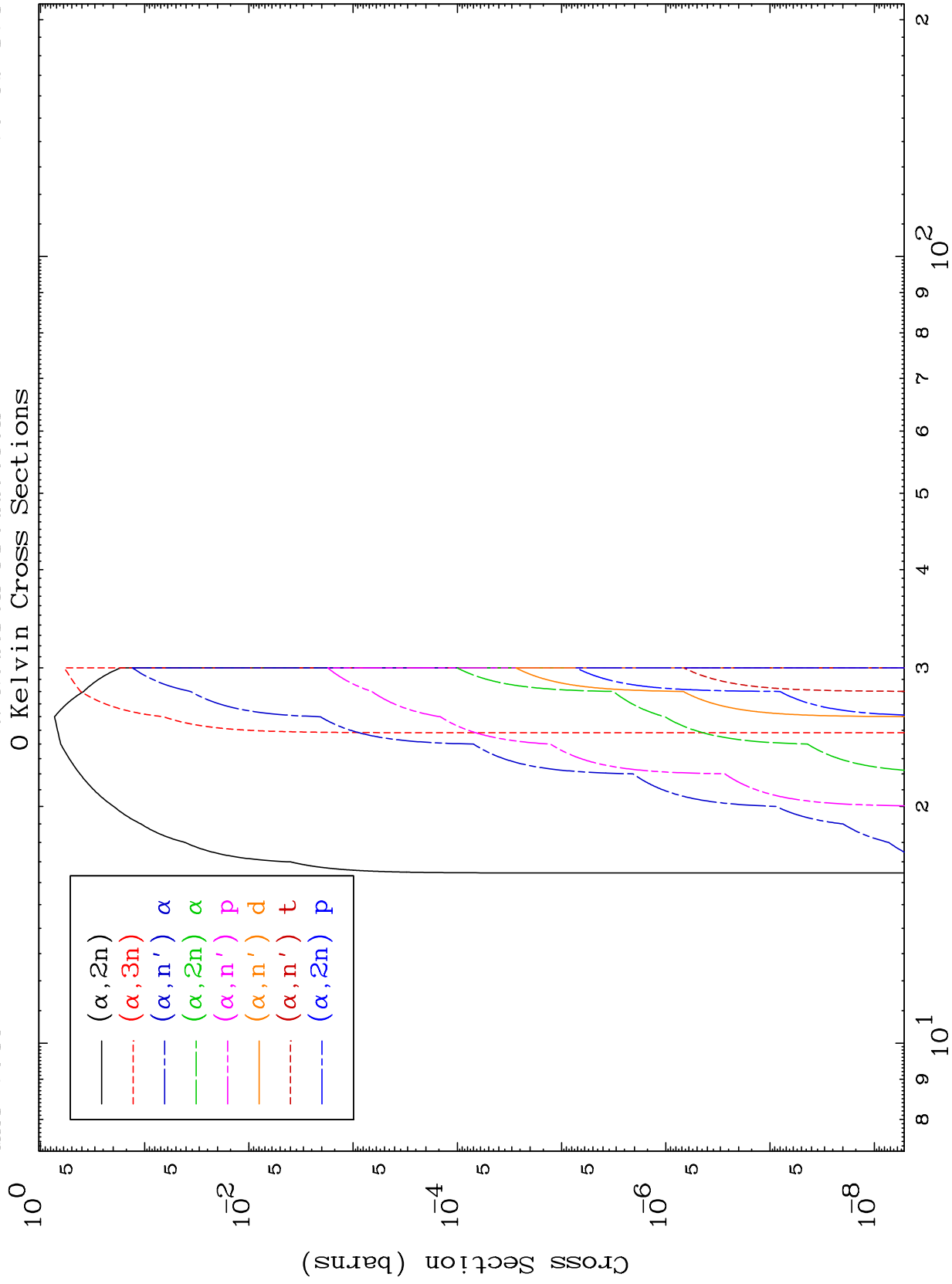


70-Yb-174

MAT 7043

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

70-Yb-174



2

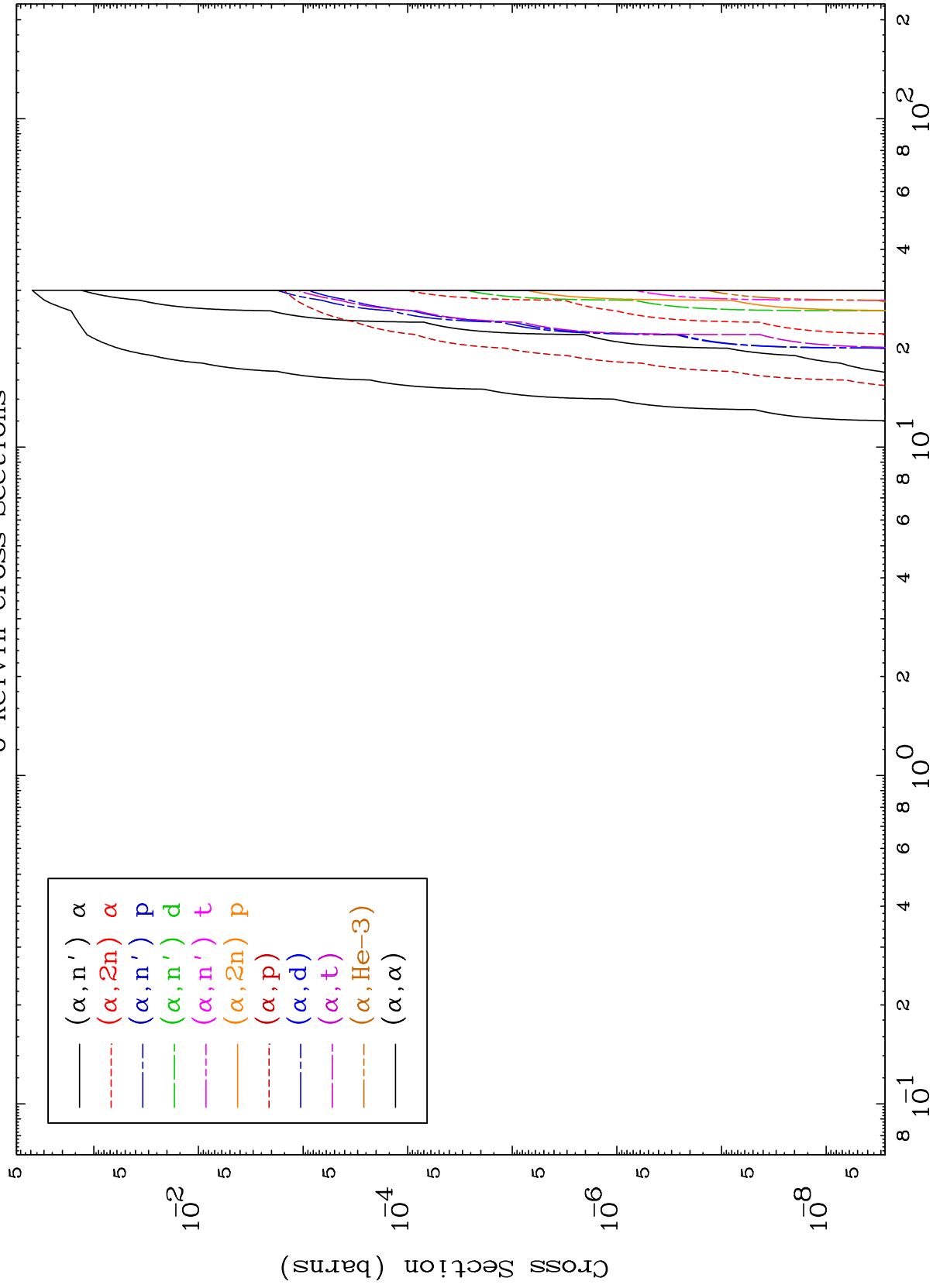
Incident Energy (MeV)

70-Yb-174

MAT 7043

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

70-Yb-174



3

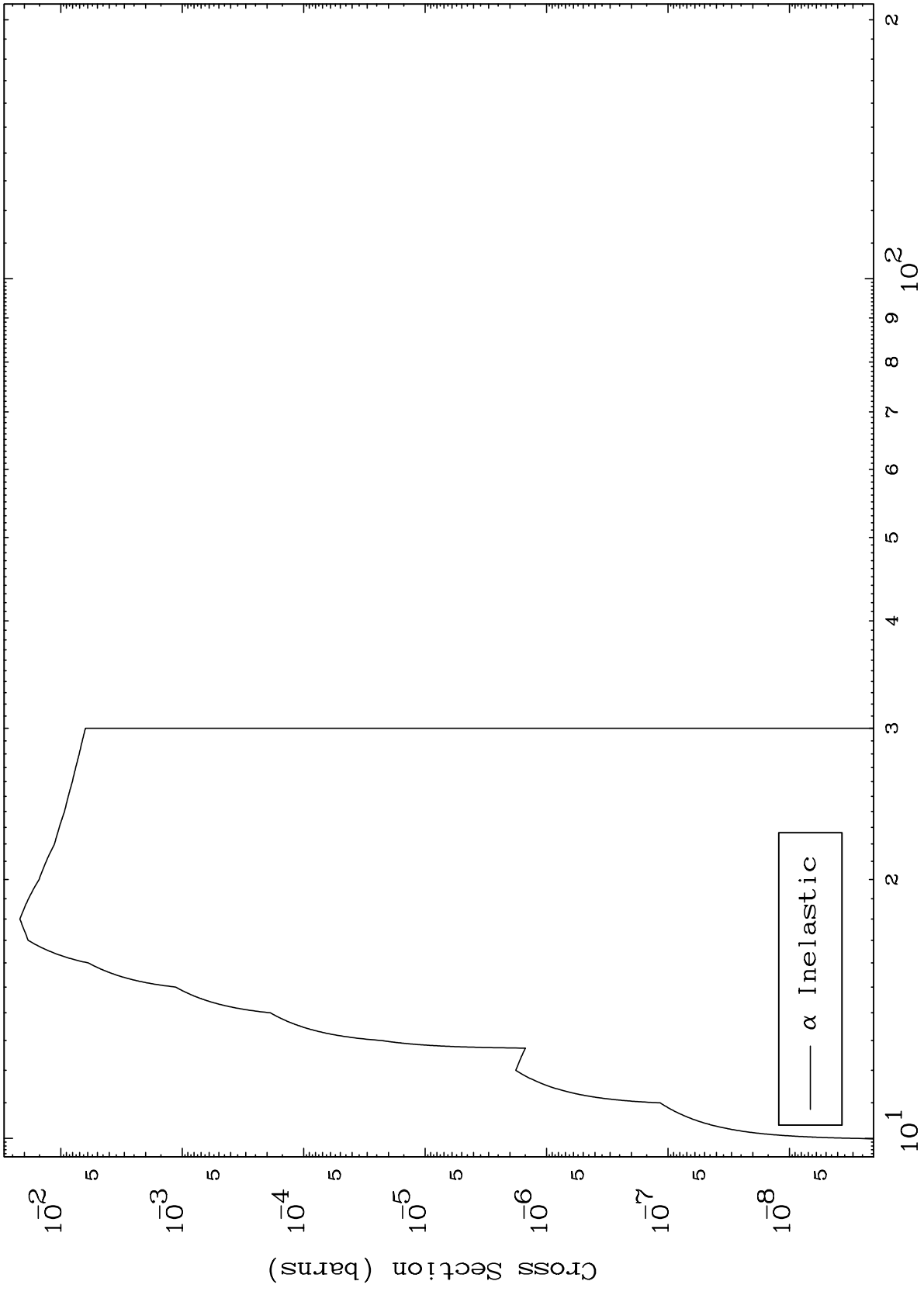
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

70-Yb-174



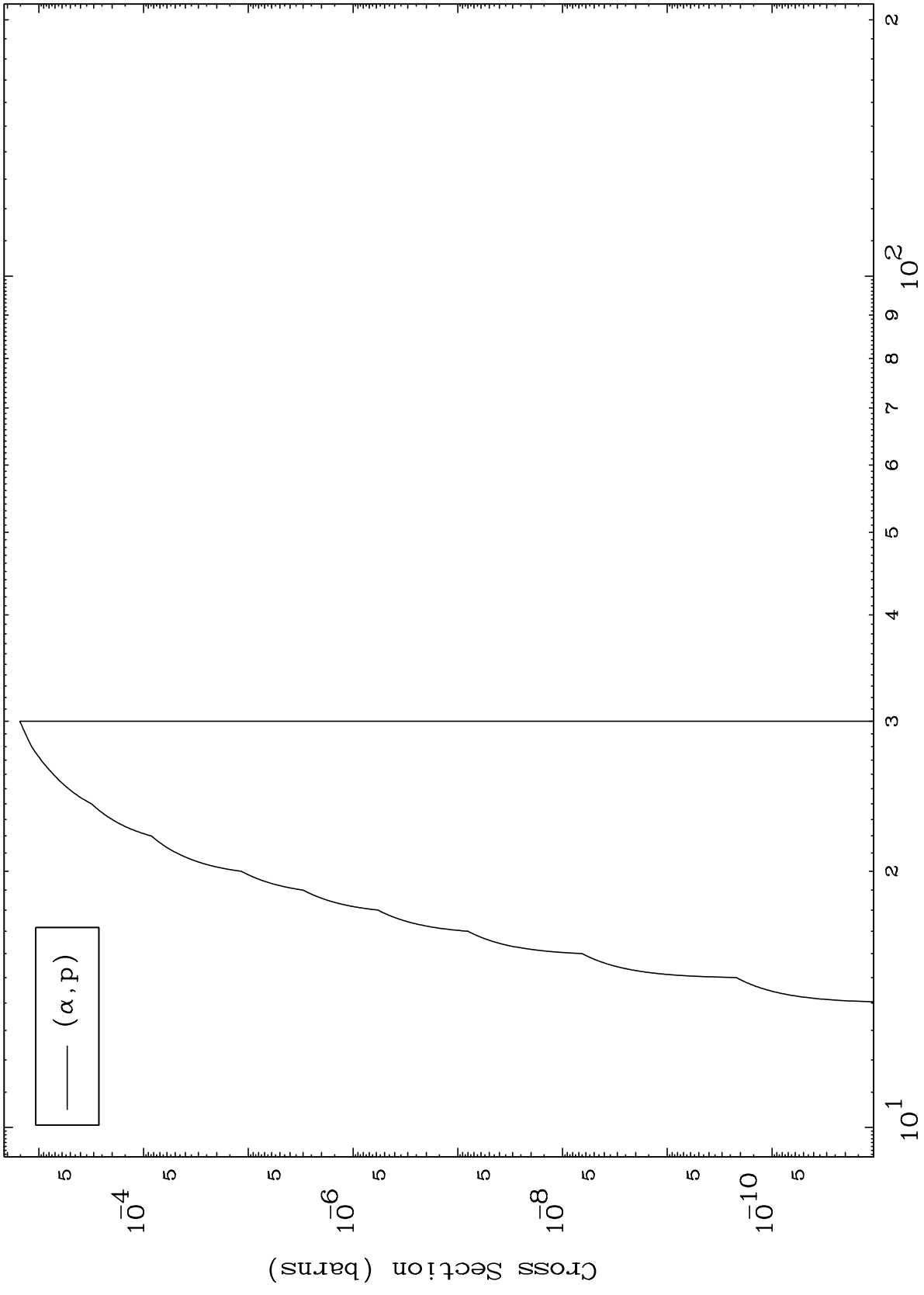
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

70-Yb-174



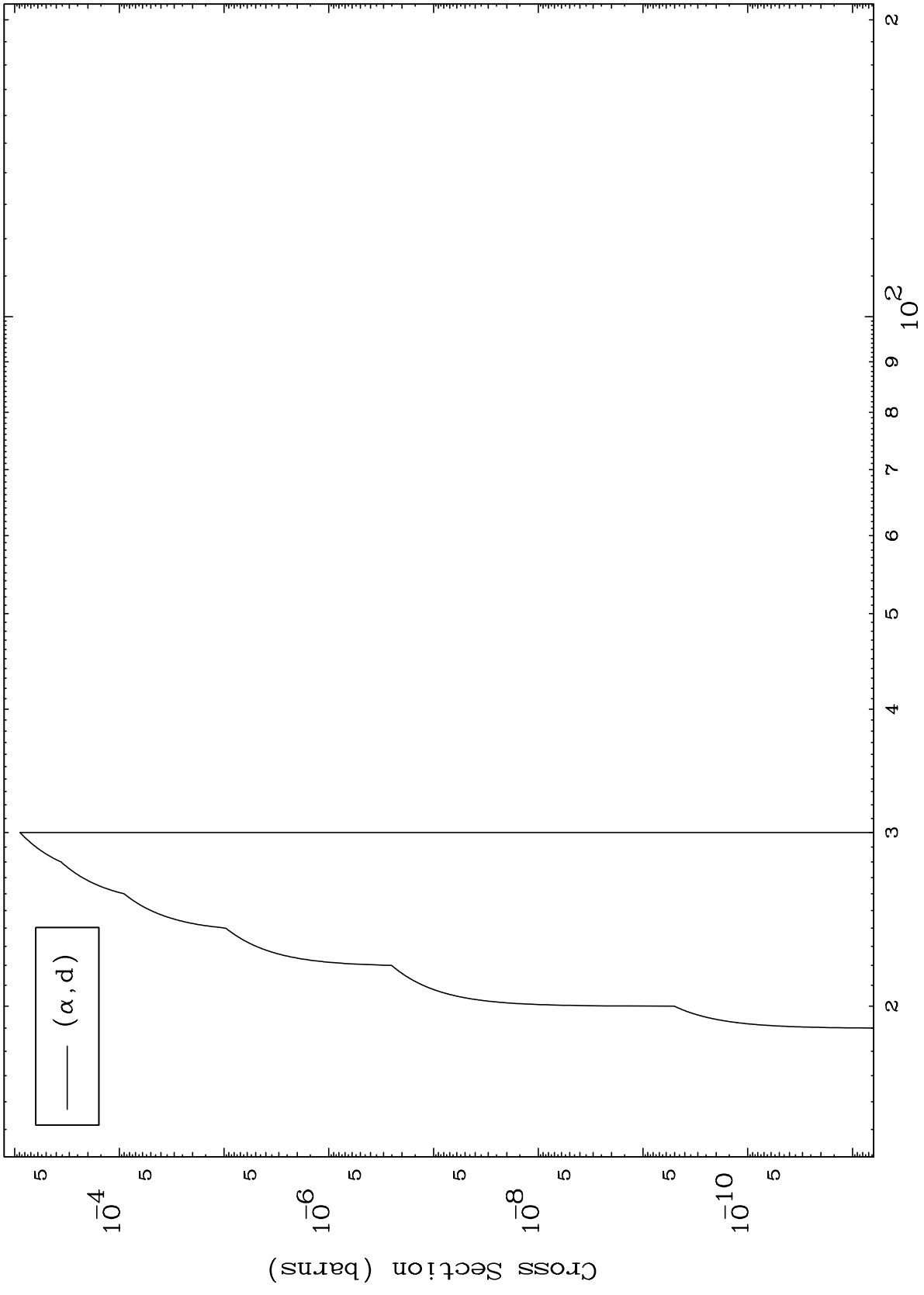
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

70-Yb-174



6

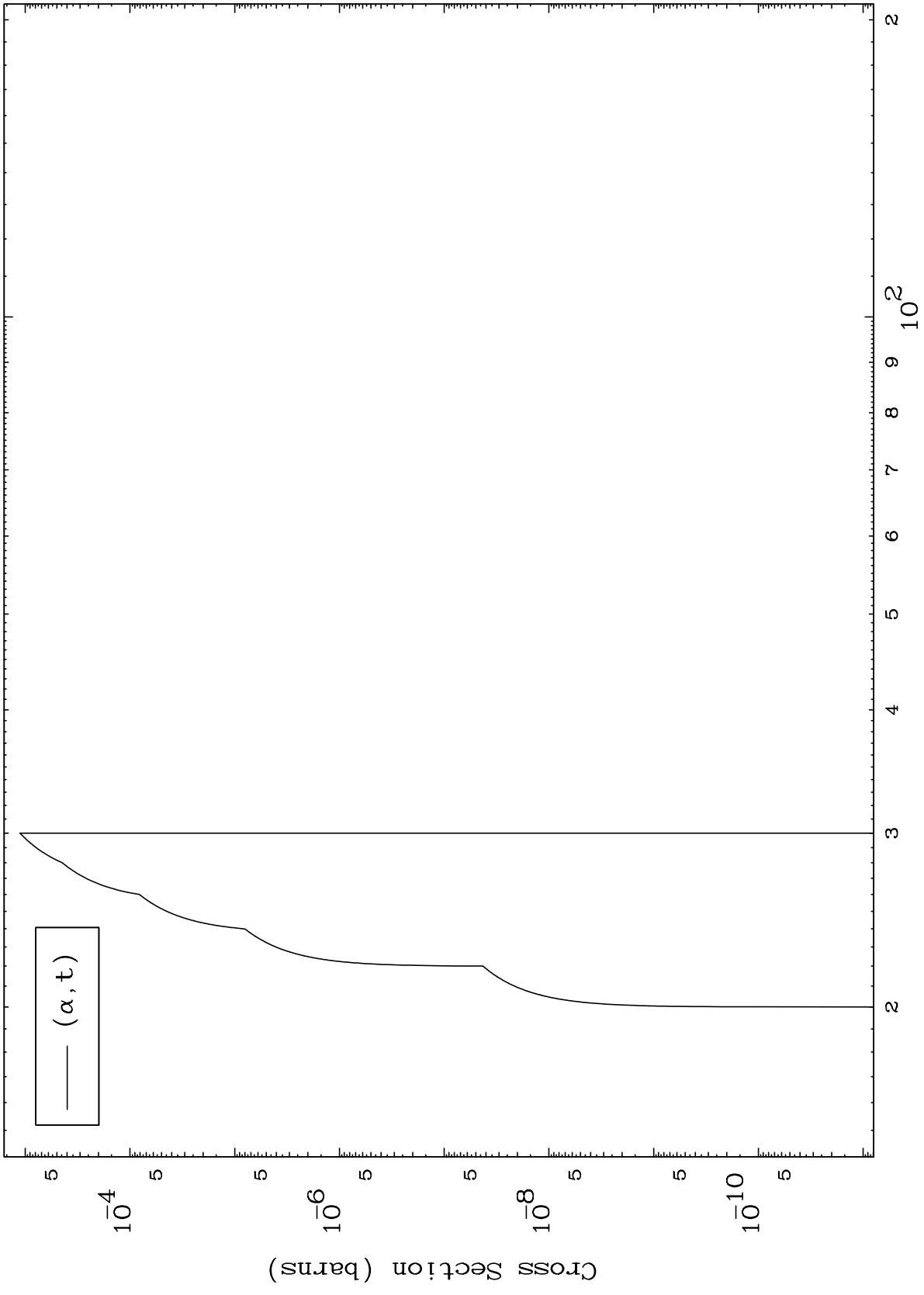
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

70-Yb-174



7

Incident Energy (MeV)

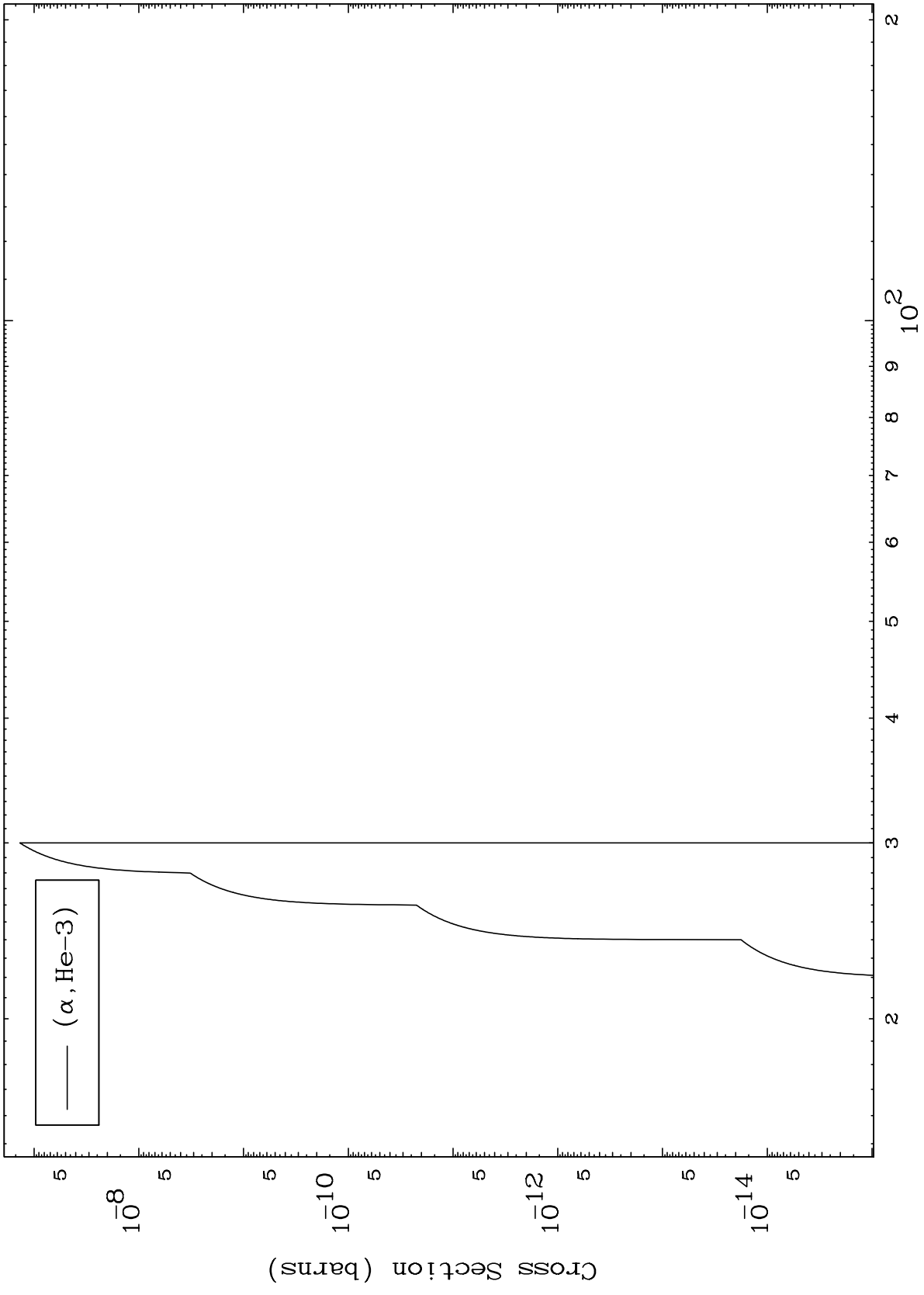
70-Yb-174



MAT 7043

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

70-Yb-174



8

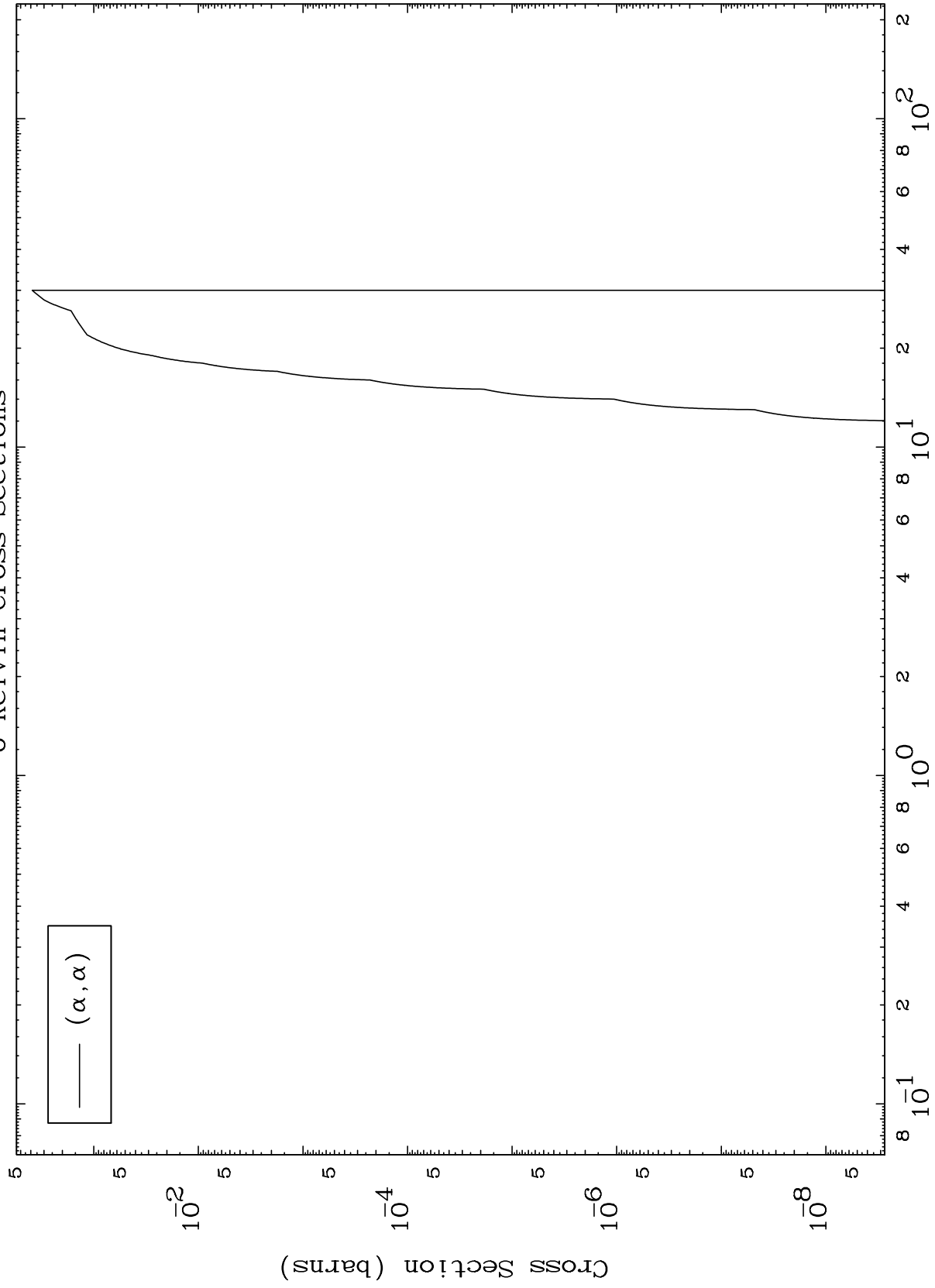
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

70-Yb-174



9

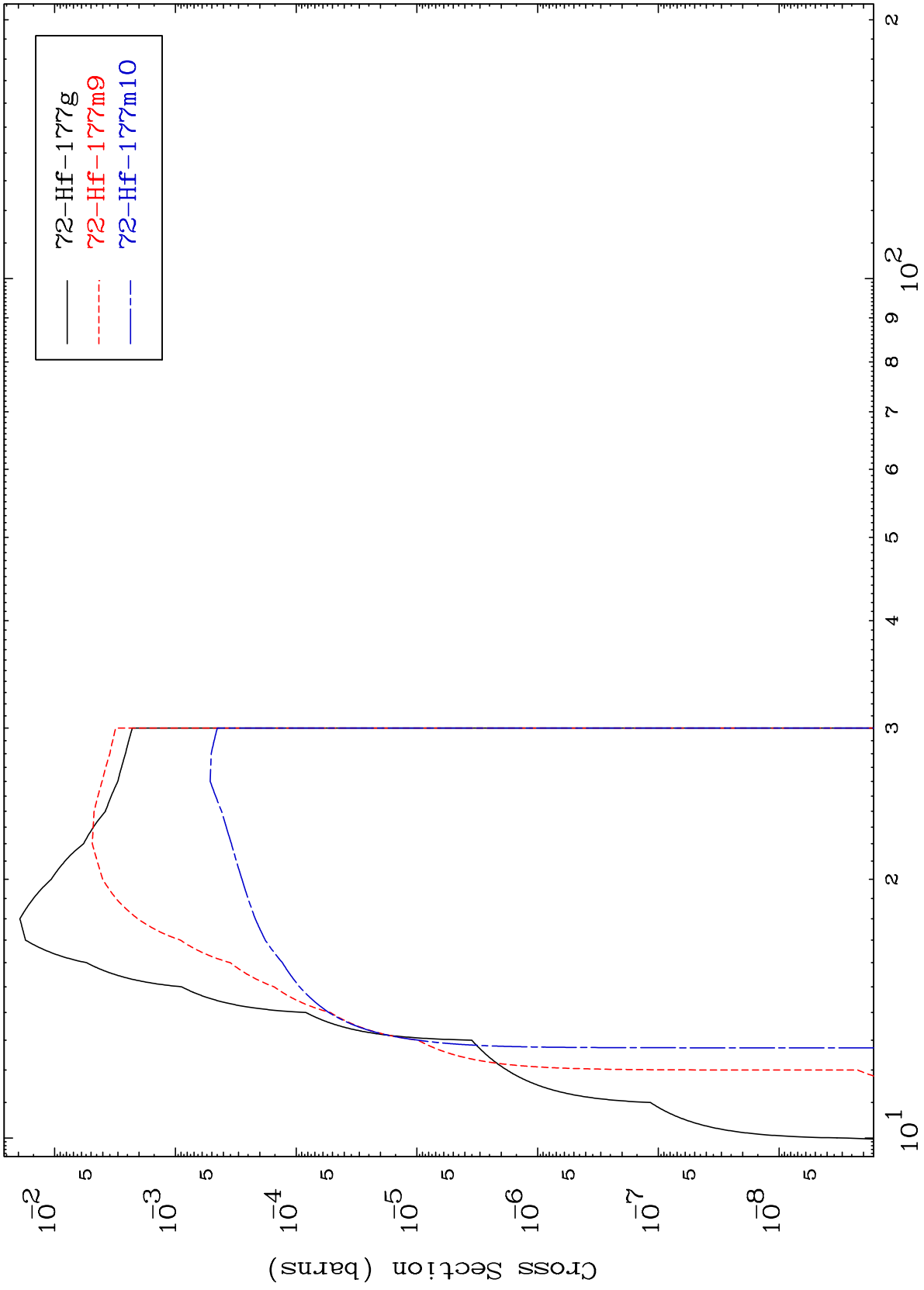
Incident Energy (MeV)

70-Yb-174

MAT 7043

$\alpha$  Inelastic  
Radionuclide Production Cross Section

70-Yb-174



Incident Energy (MeV)

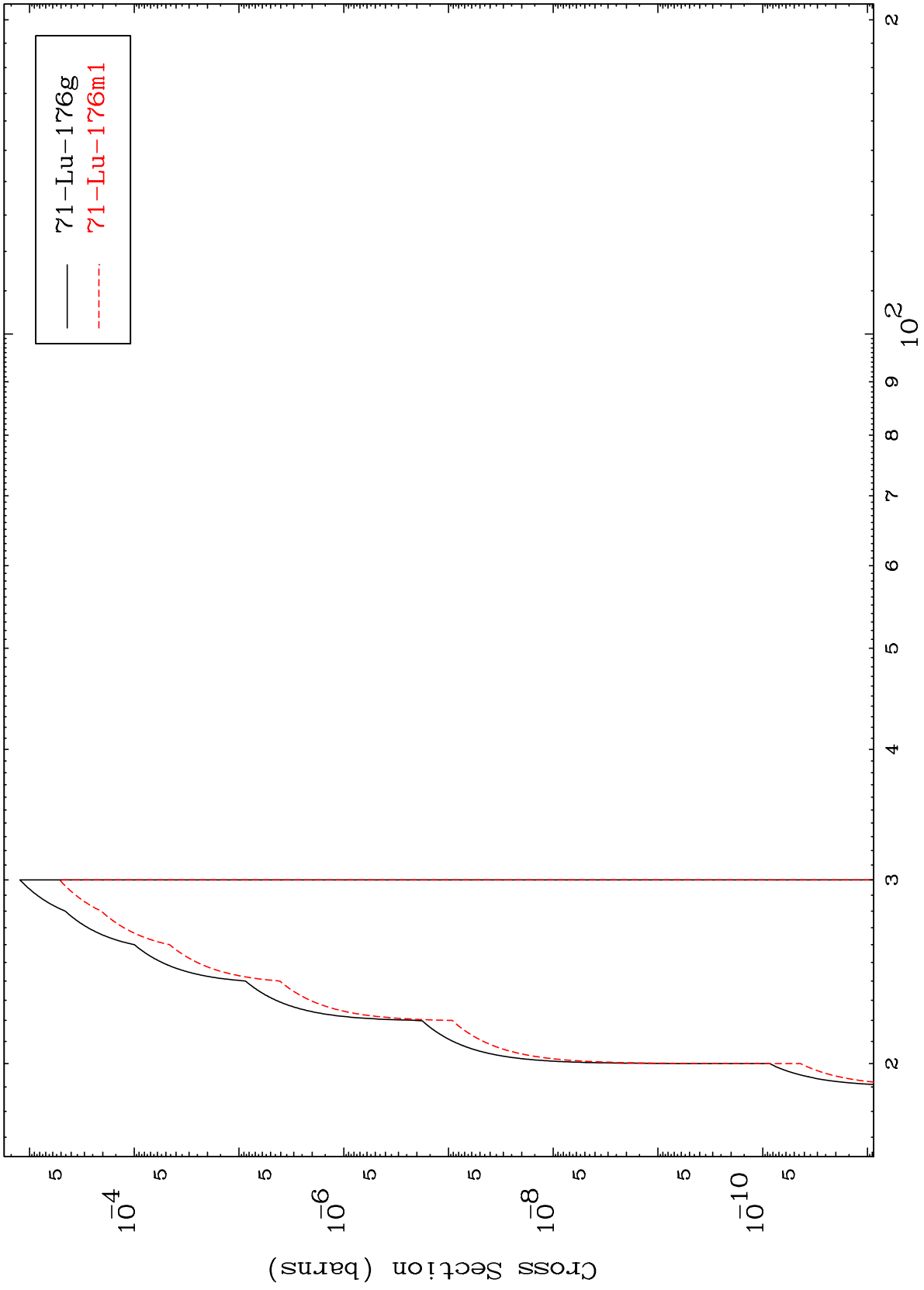
70-Yb-174

MAT 7043

$(\alpha, n')$  p

$^{70}\text{Yb}-174$

Radionuclide Production Cross Section



11

Incident Energy (MeV)

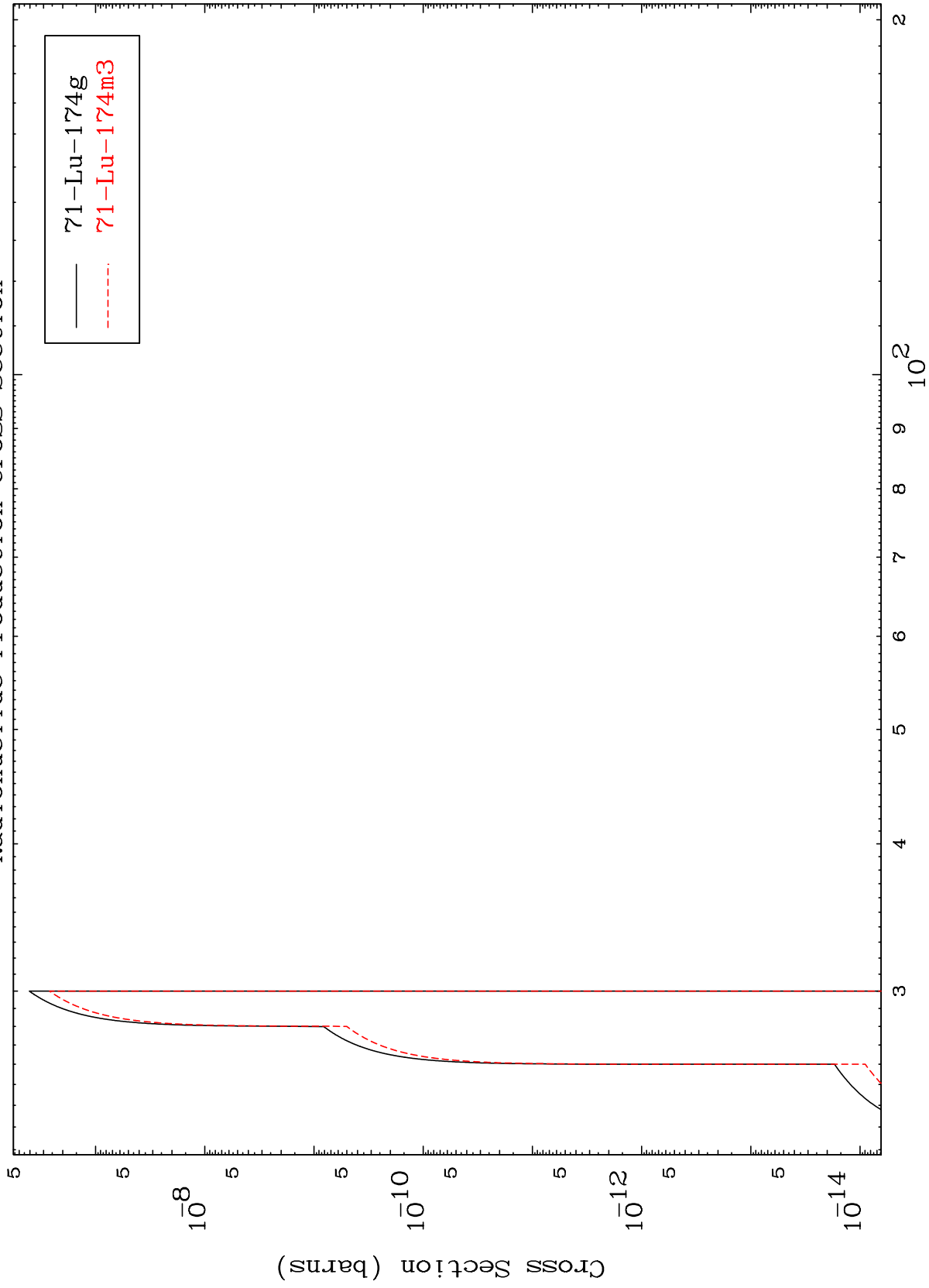
$^{70}\text{Yb}-174$

MAT 7043

( $\alpha, n'$ ) t

70-Yb-174

Radionuclide Production Cross Section



12

Incident Energy (MeV)

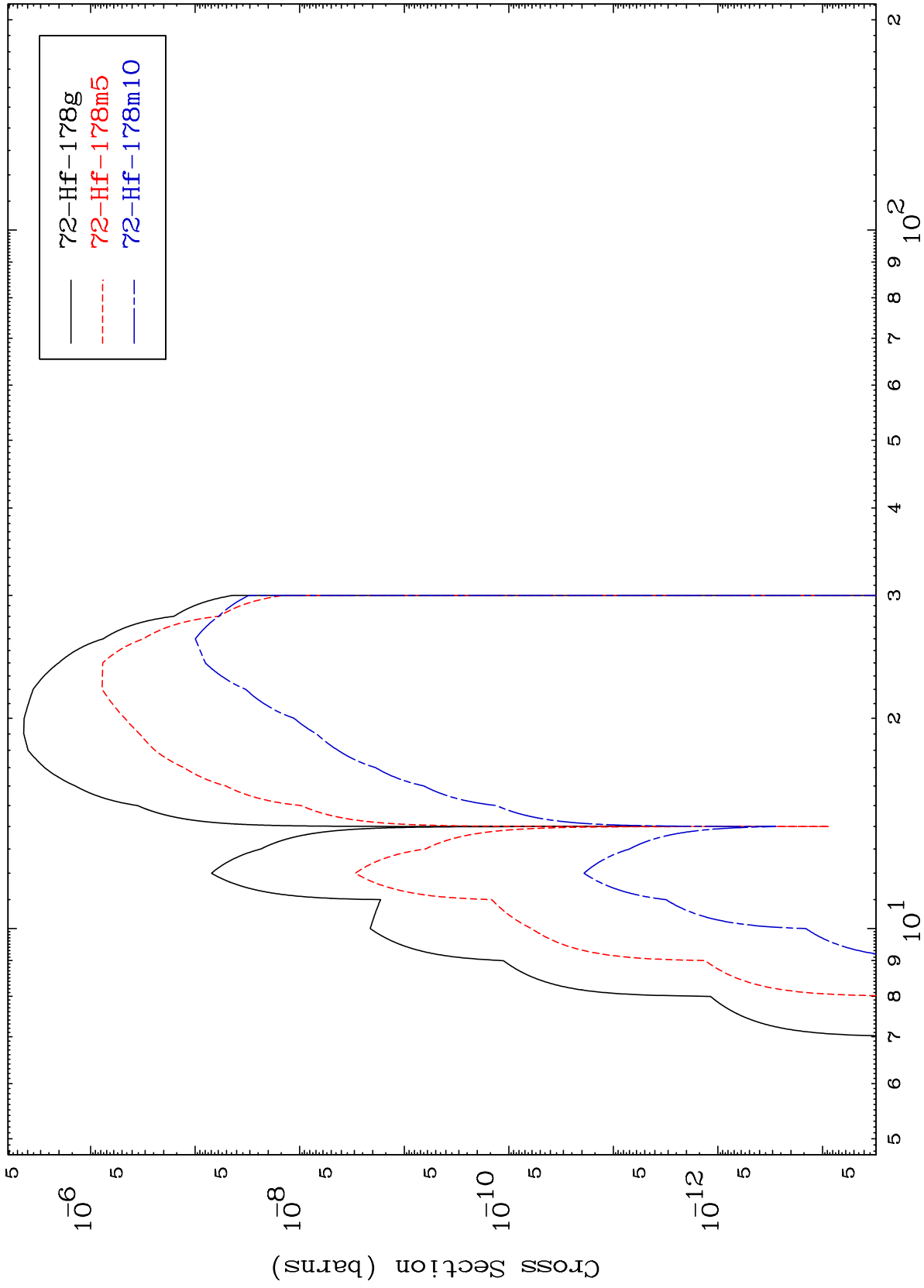
70-Yb-174

MAT 7043

70-Yb-174

Radionuclide Production Cross Section

$(\alpha, \gamma)$



13

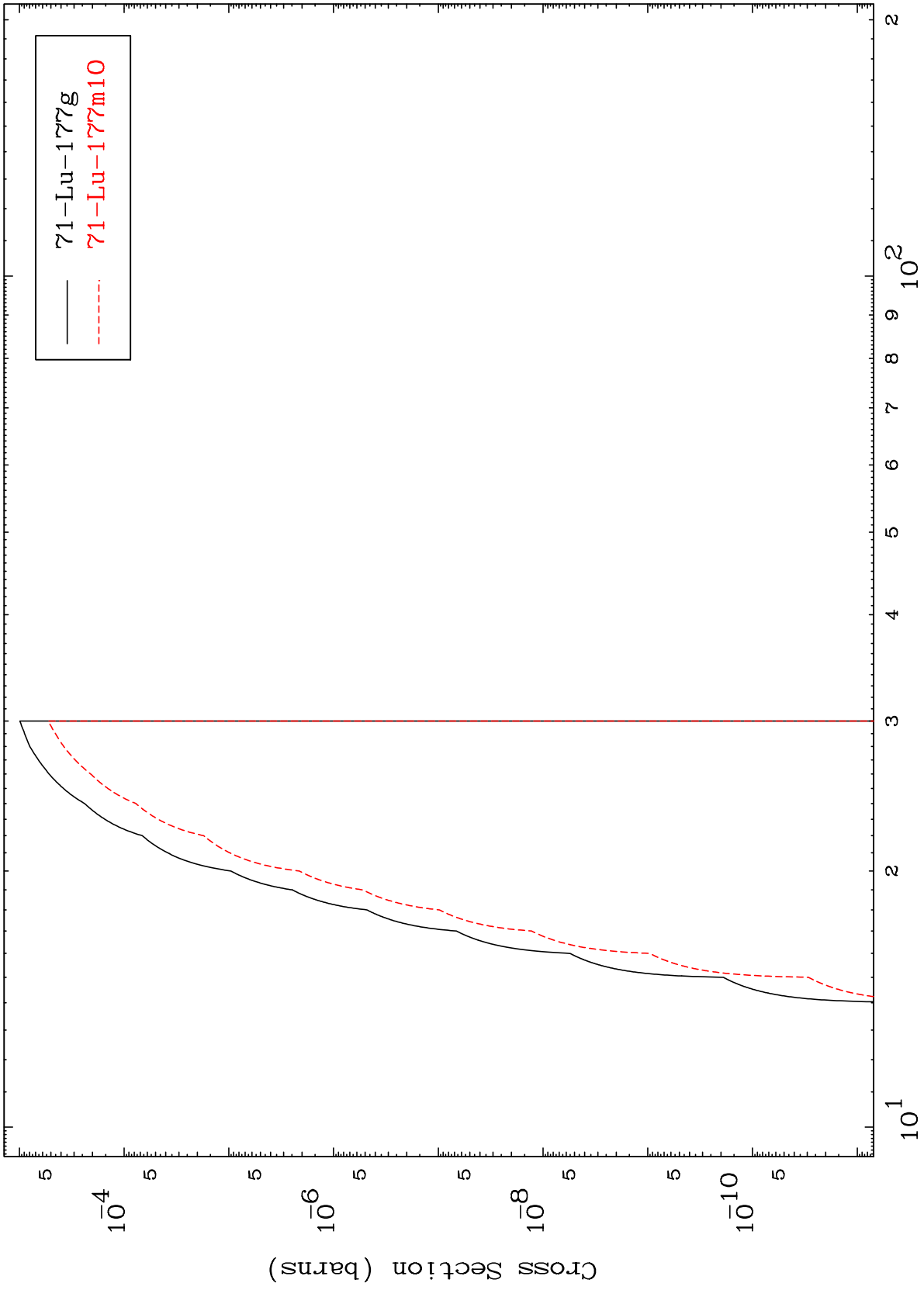
Incident Energy (MeV)

70-Yb-174

MAT 7043

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

<sup>70</sup>Yb-174



14

Incident Energy (MeV)

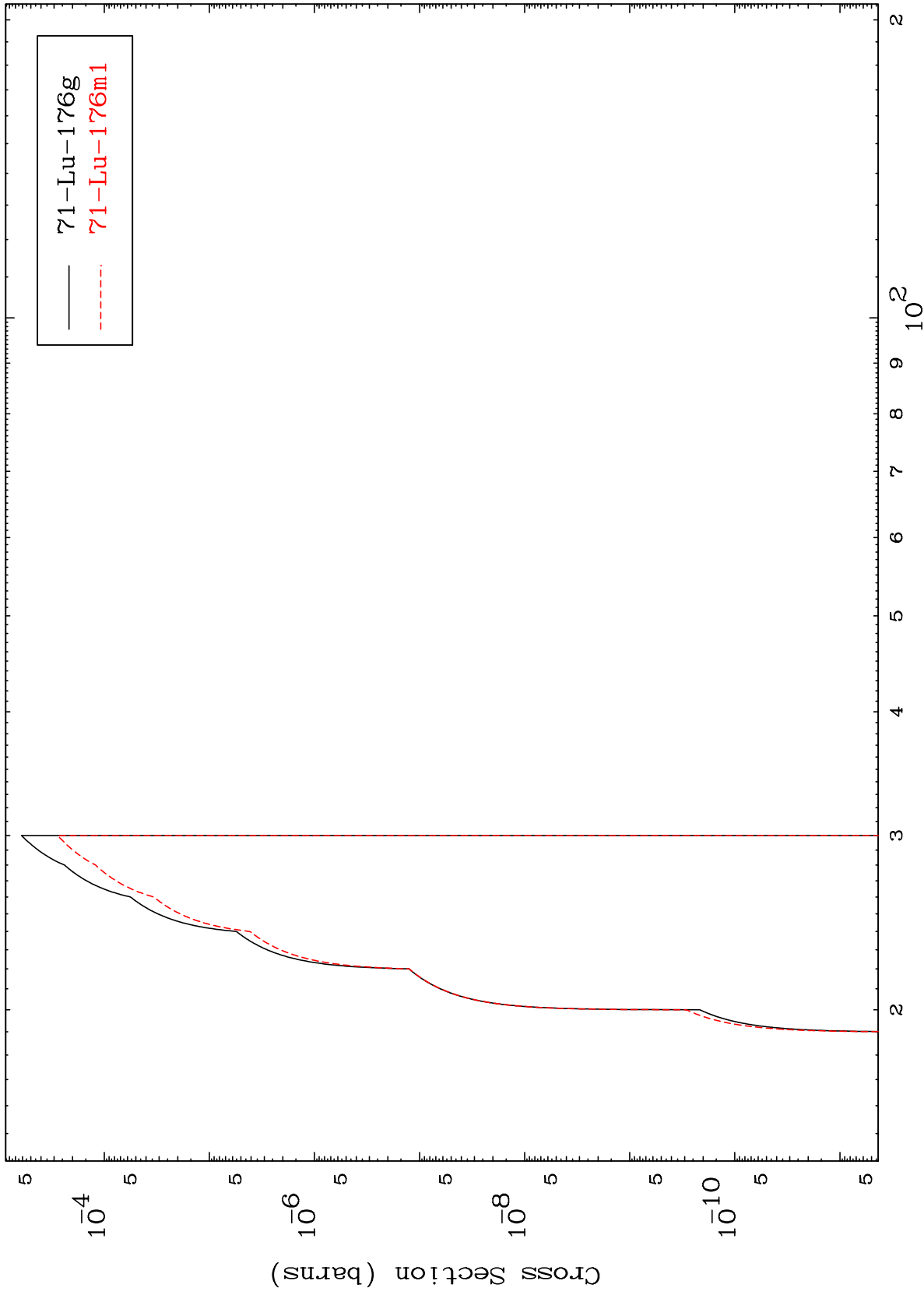
<sup>70</sup>Yb-174

MAT 7043

( $\alpha, d$ )

<sup>70</sup>Yb-174

Radionuclide Production Cross Section



15

Incident Energy (MeV)

<sup>70</sup>Yb-174