

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](mailto:redcullen1@comcast.net)

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

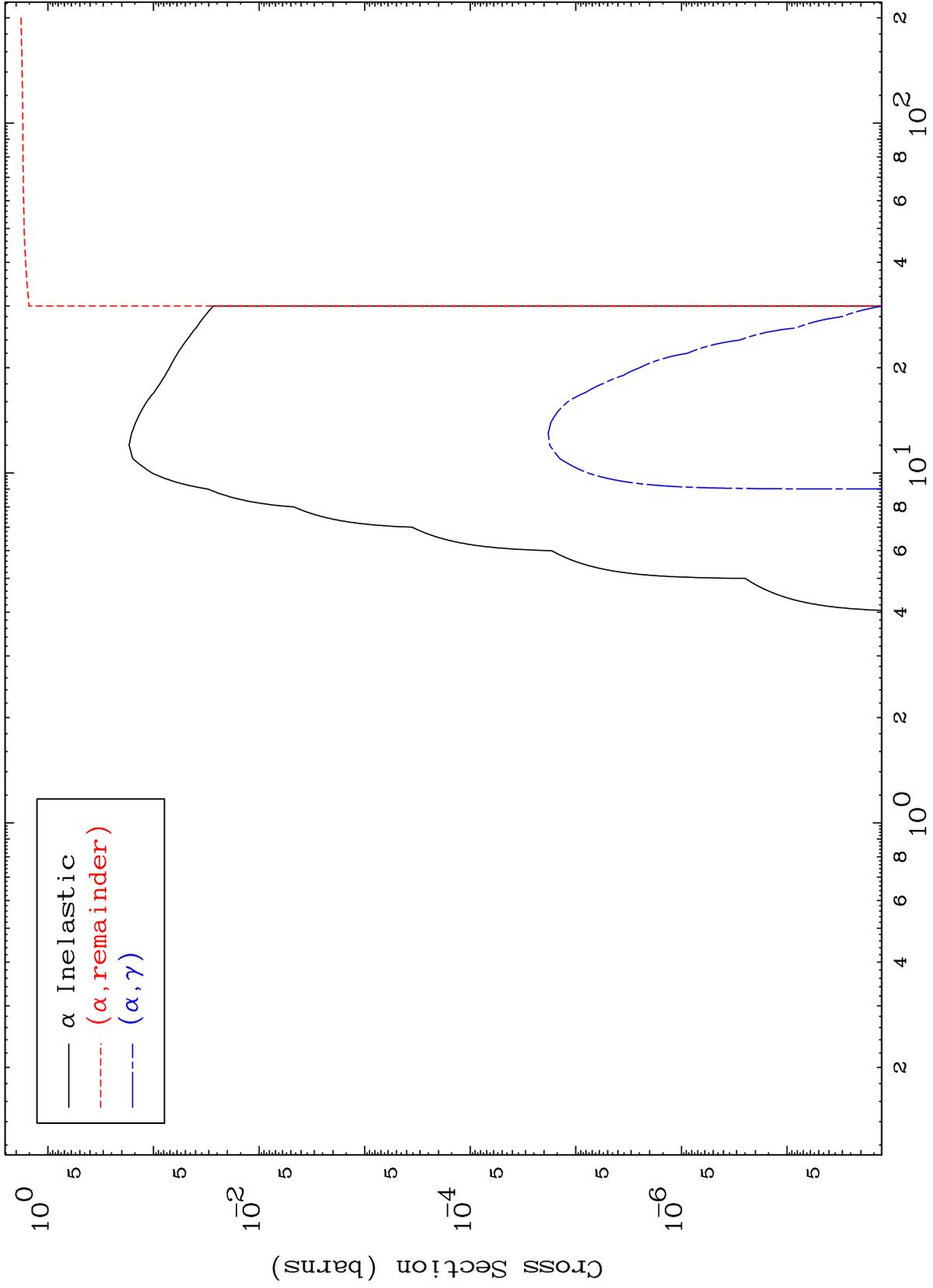
Press Mouse Button to Start

MAT 3246

0 Kelvin

$\alpha$  Major Cross Sections

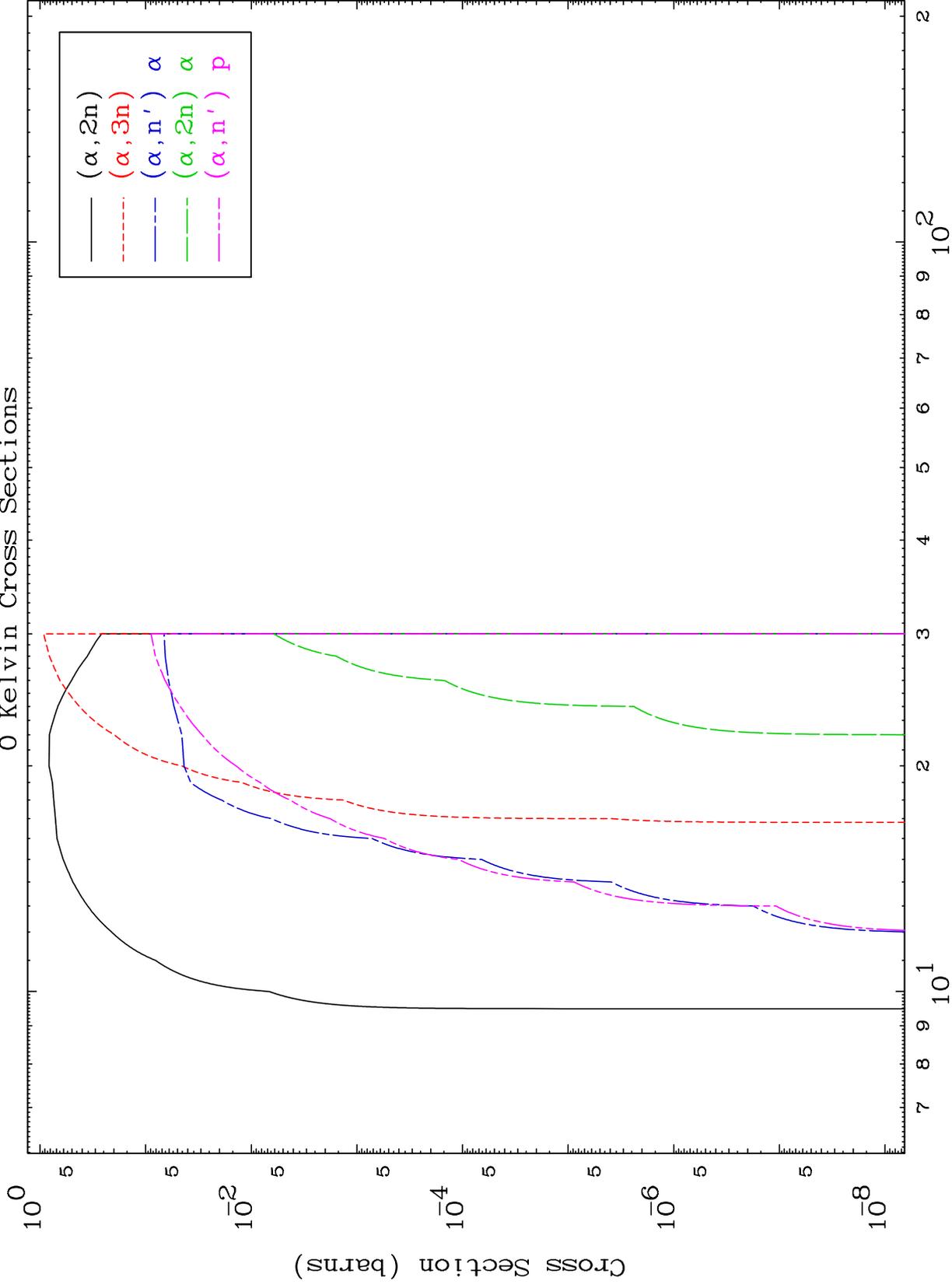
$^{32}\text{Ge-77}$



MAT 3246

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

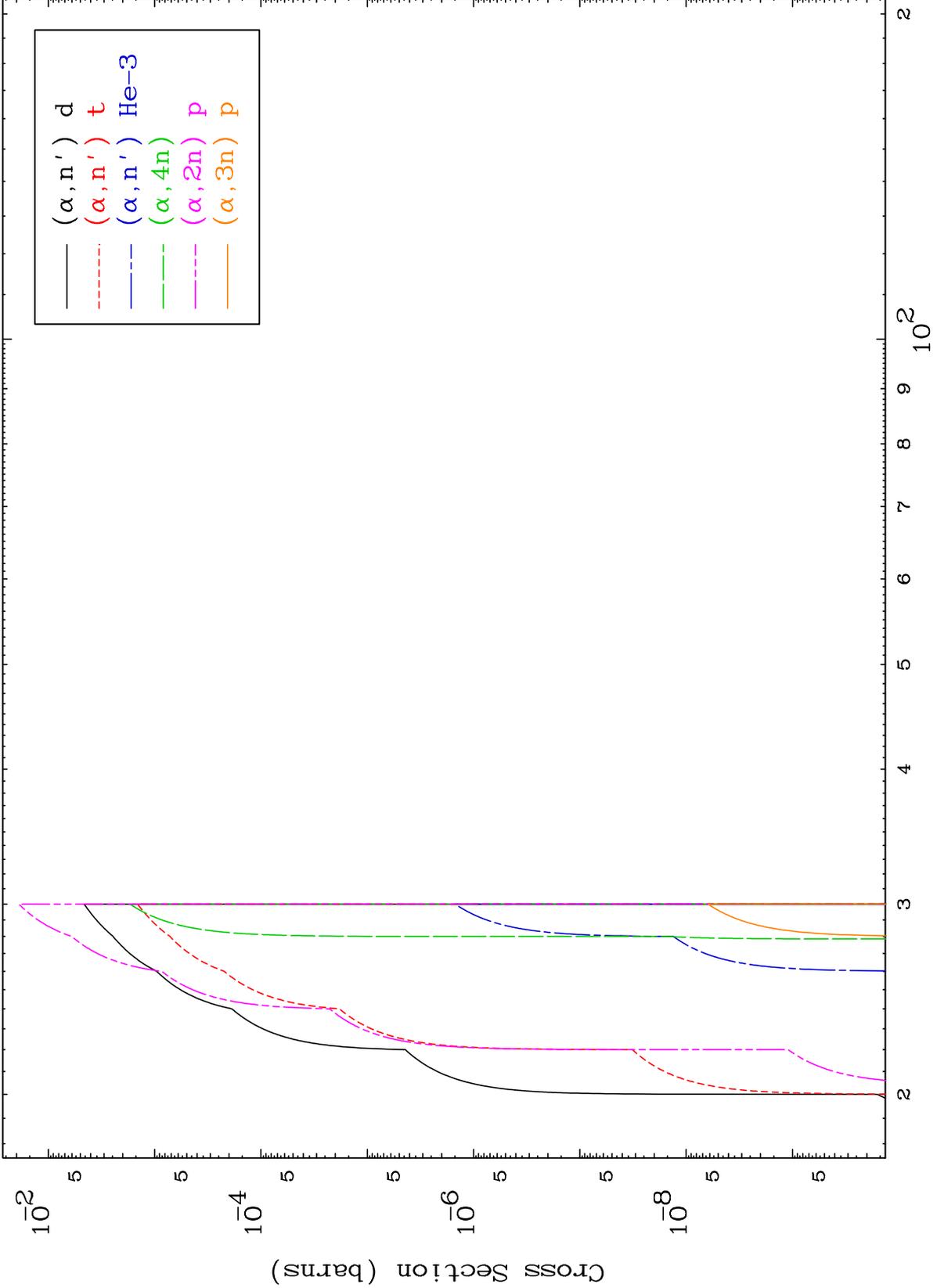
32-Ge-77

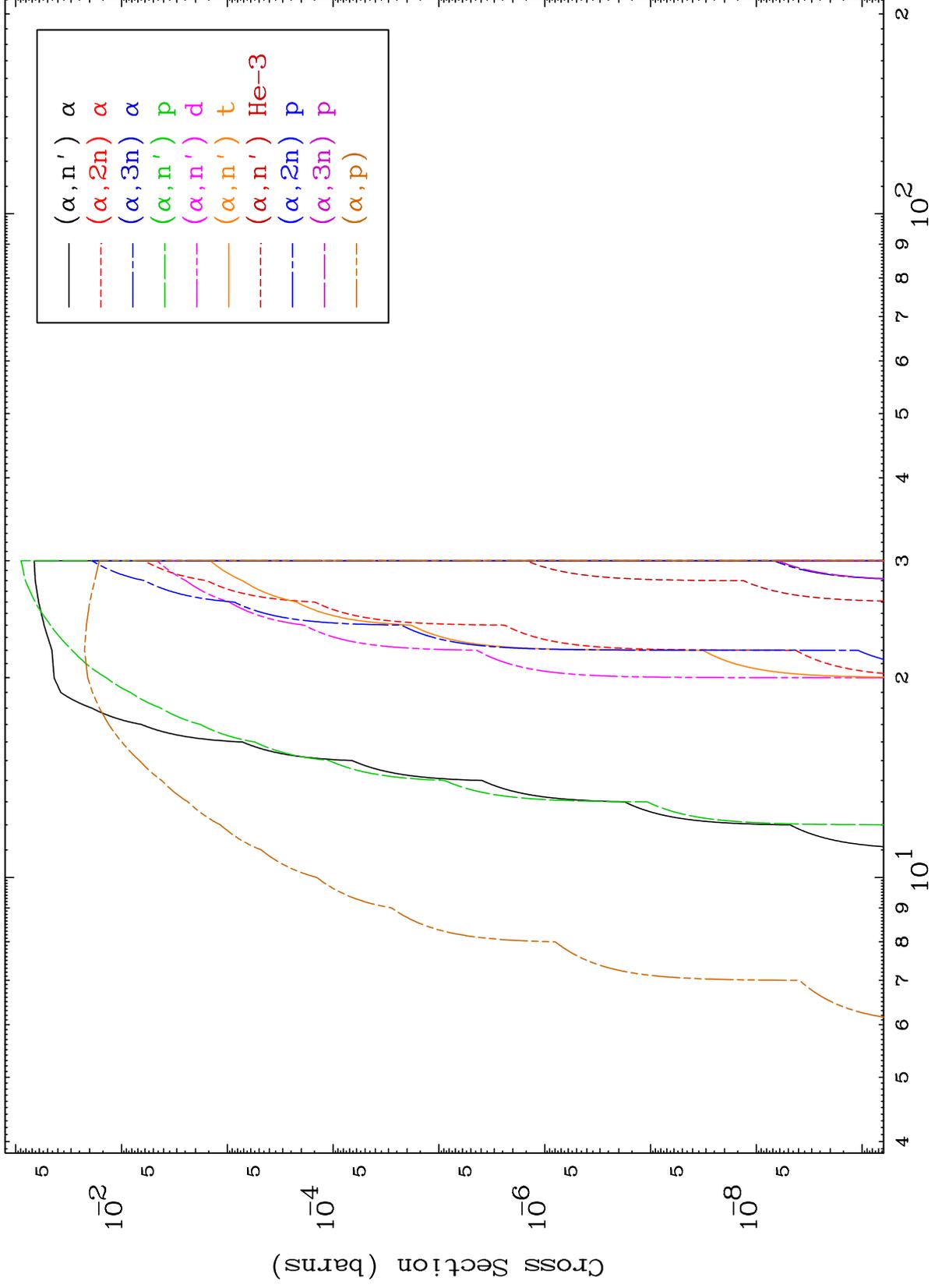


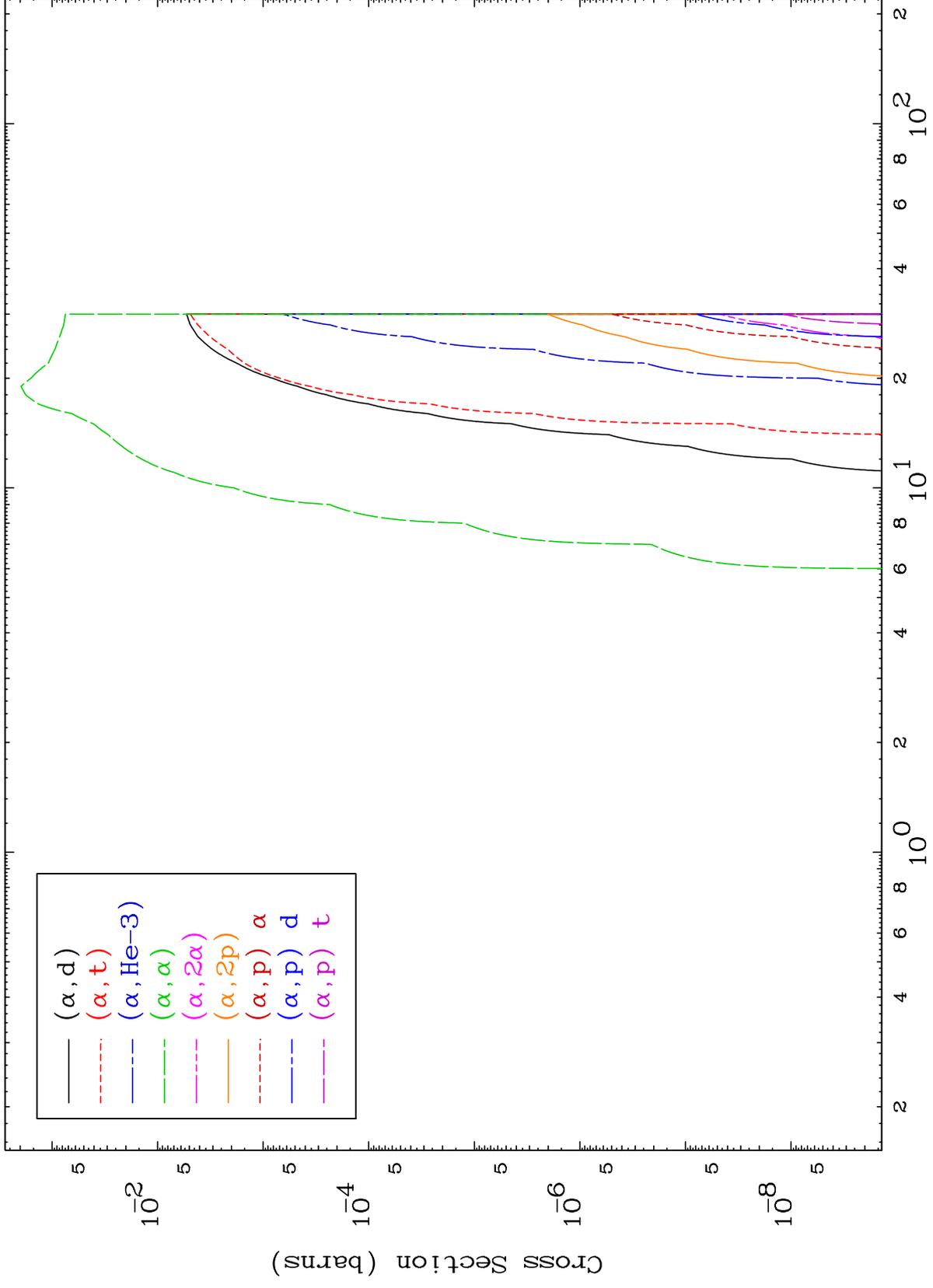
2

Incident Energy (MeV)

32-Ge-77





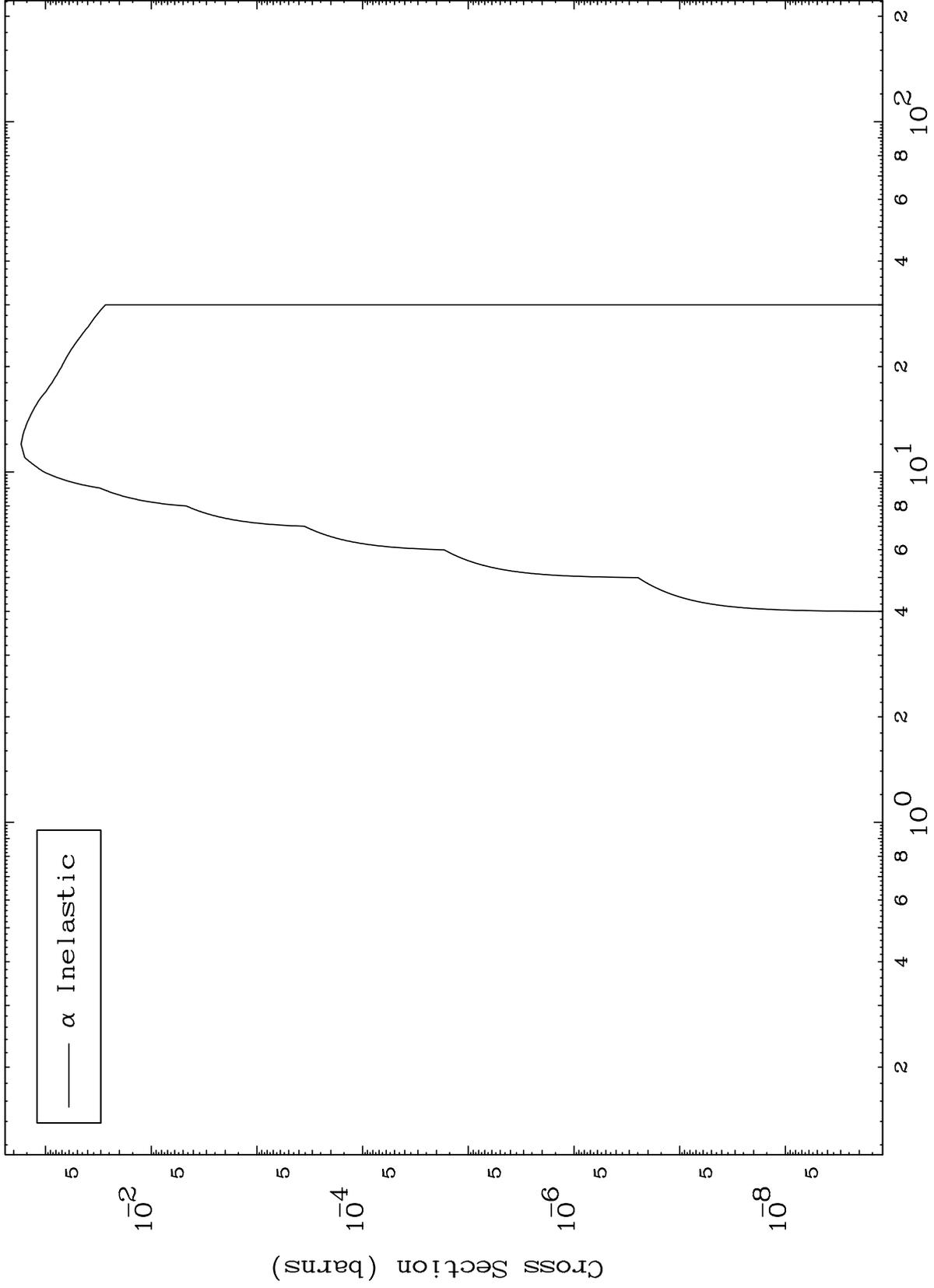


MAT 3246

( $\alpha, n'$ ) Level

32-Ge-77

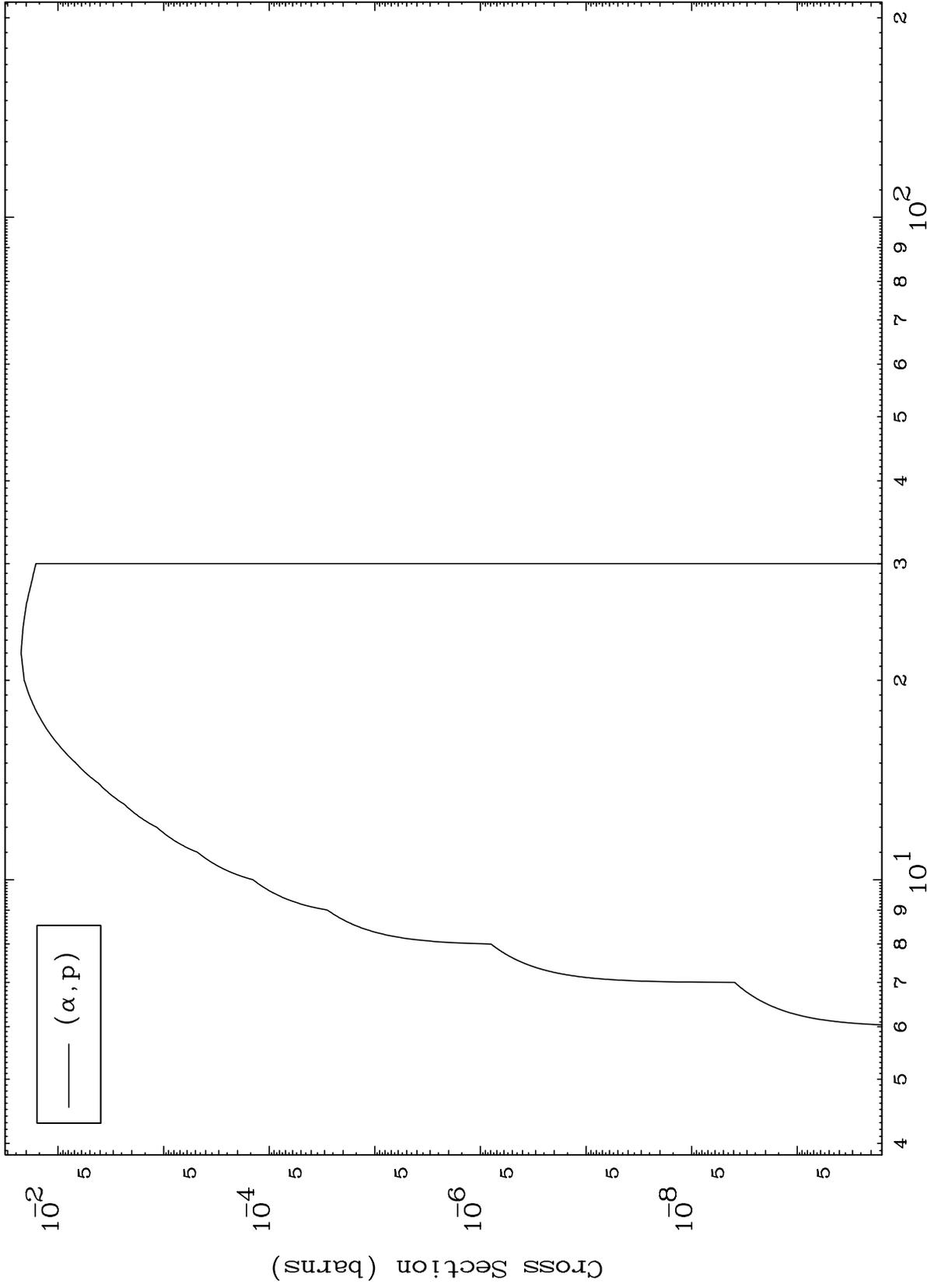
0 Kelvin Cross Sections



MAT 3246

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

$^{32}\text{Ge-77}$



( $\alpha, p$ )

7

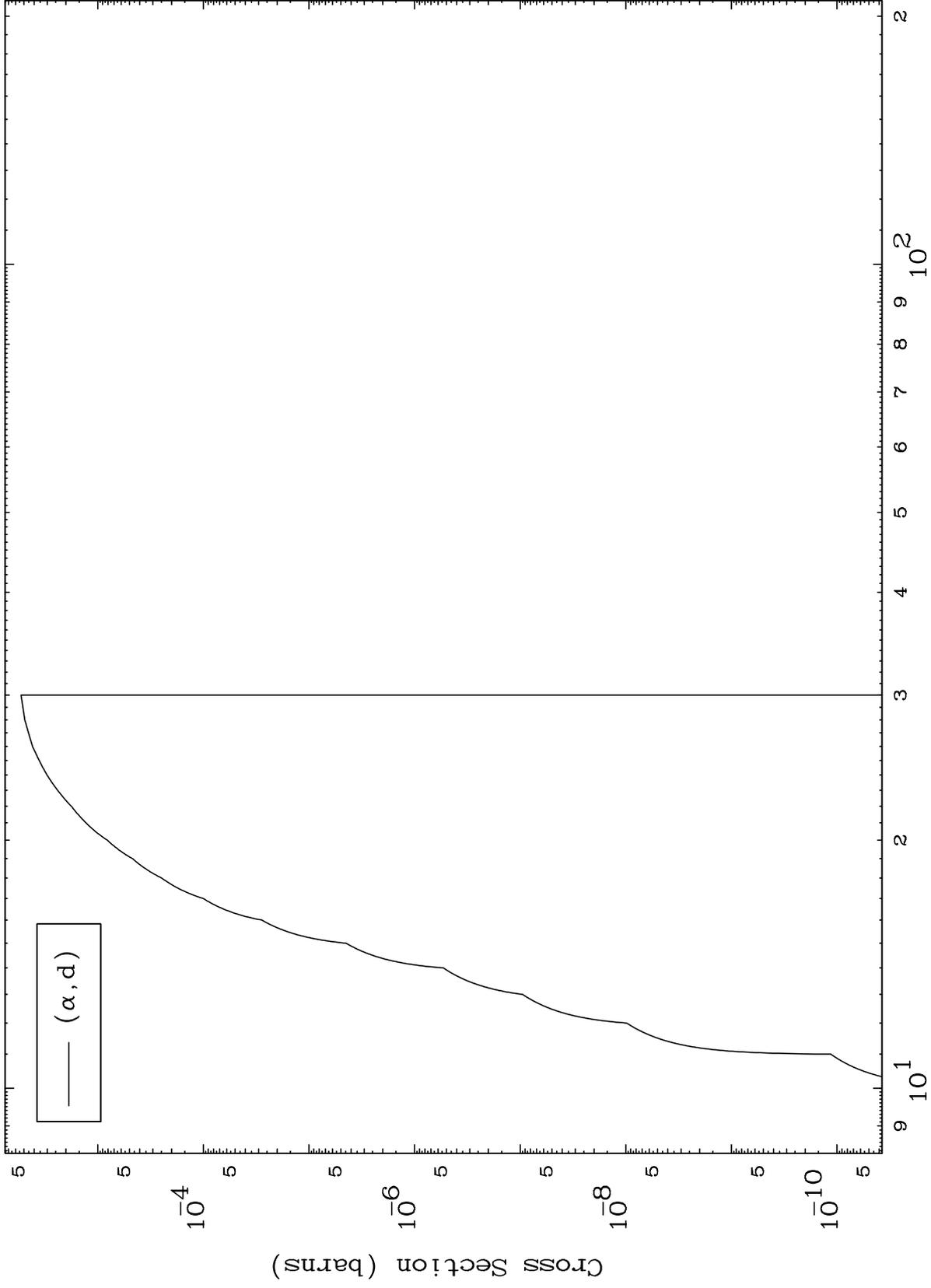
Incident Energy (MeV)

$^{32}\text{Ge-77}$

MAT 3246

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

$^{32}\text{Ge-77}$



8

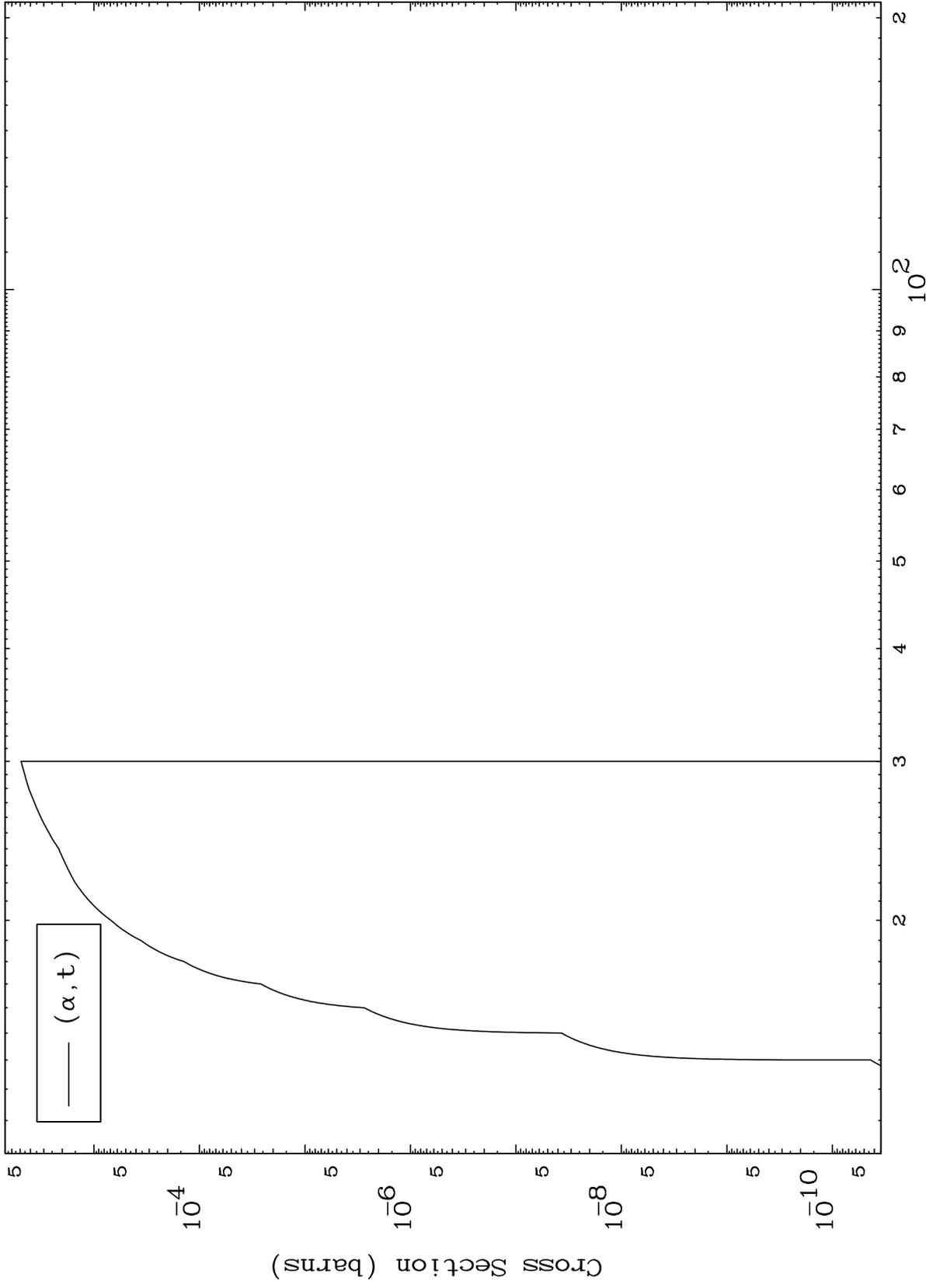
Incident Energy (MeV)

$^{32}\text{Ge-77}$

MAT 3246

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

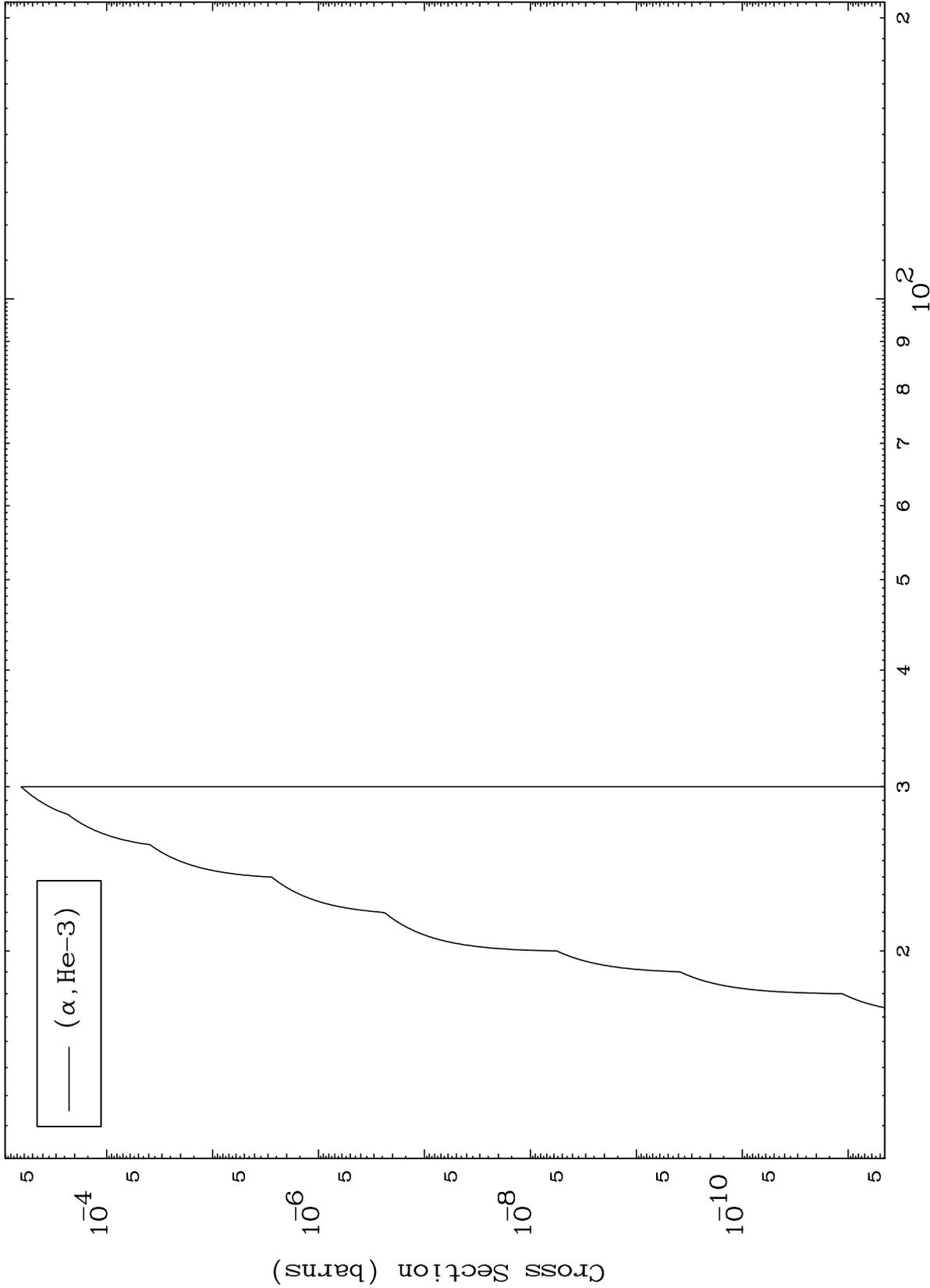
$^{32}\text{Ge-77}$



MAT 3246

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

32-Ge-77



10

Incident Energy (MeV)

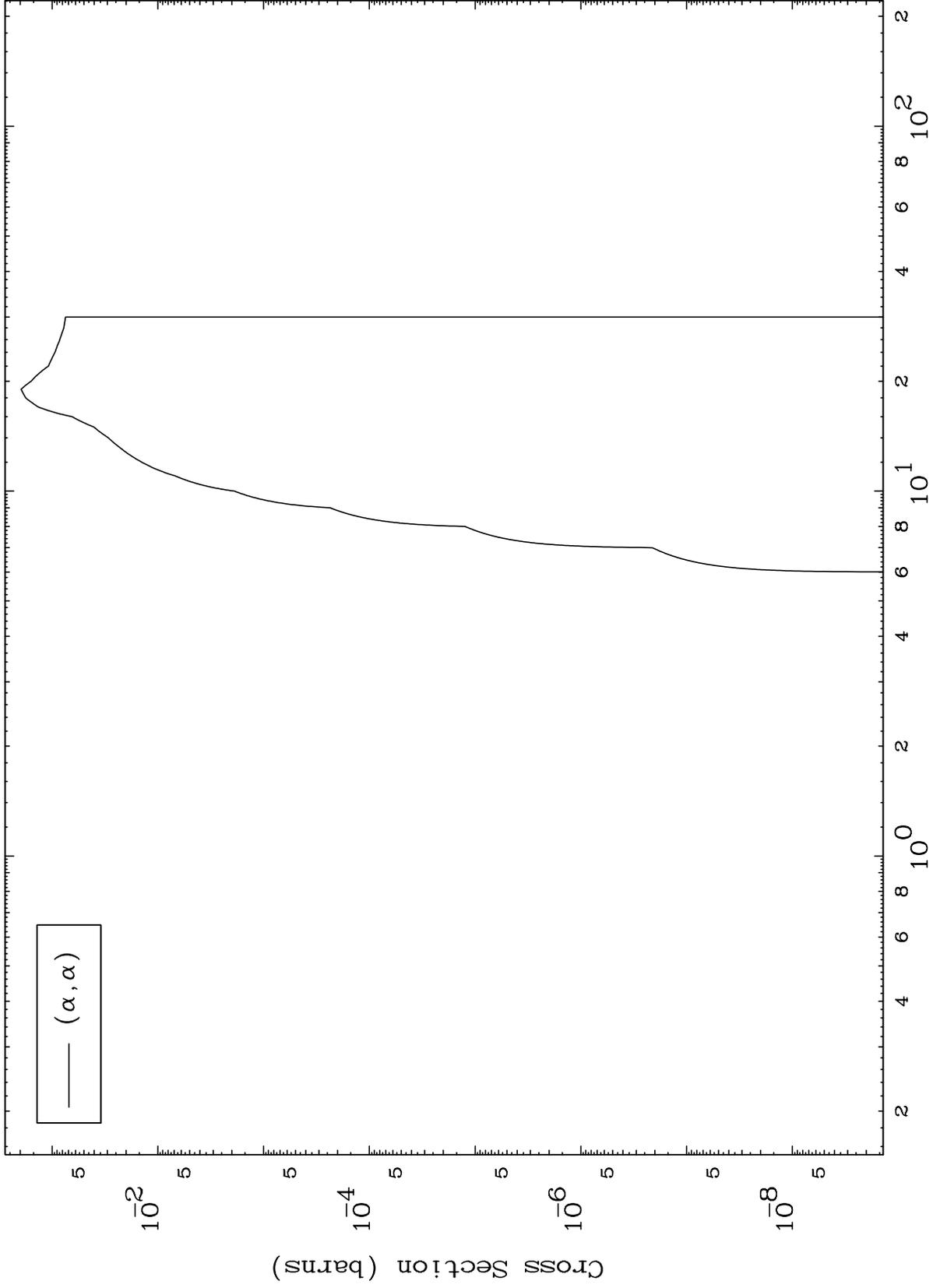
32-Ge-77

MAT 3246

( $\alpha, \alpha$ ) Levels

32-Ge-77

0 Kelvin Cross Sections



11

Incident Energy (MeV)

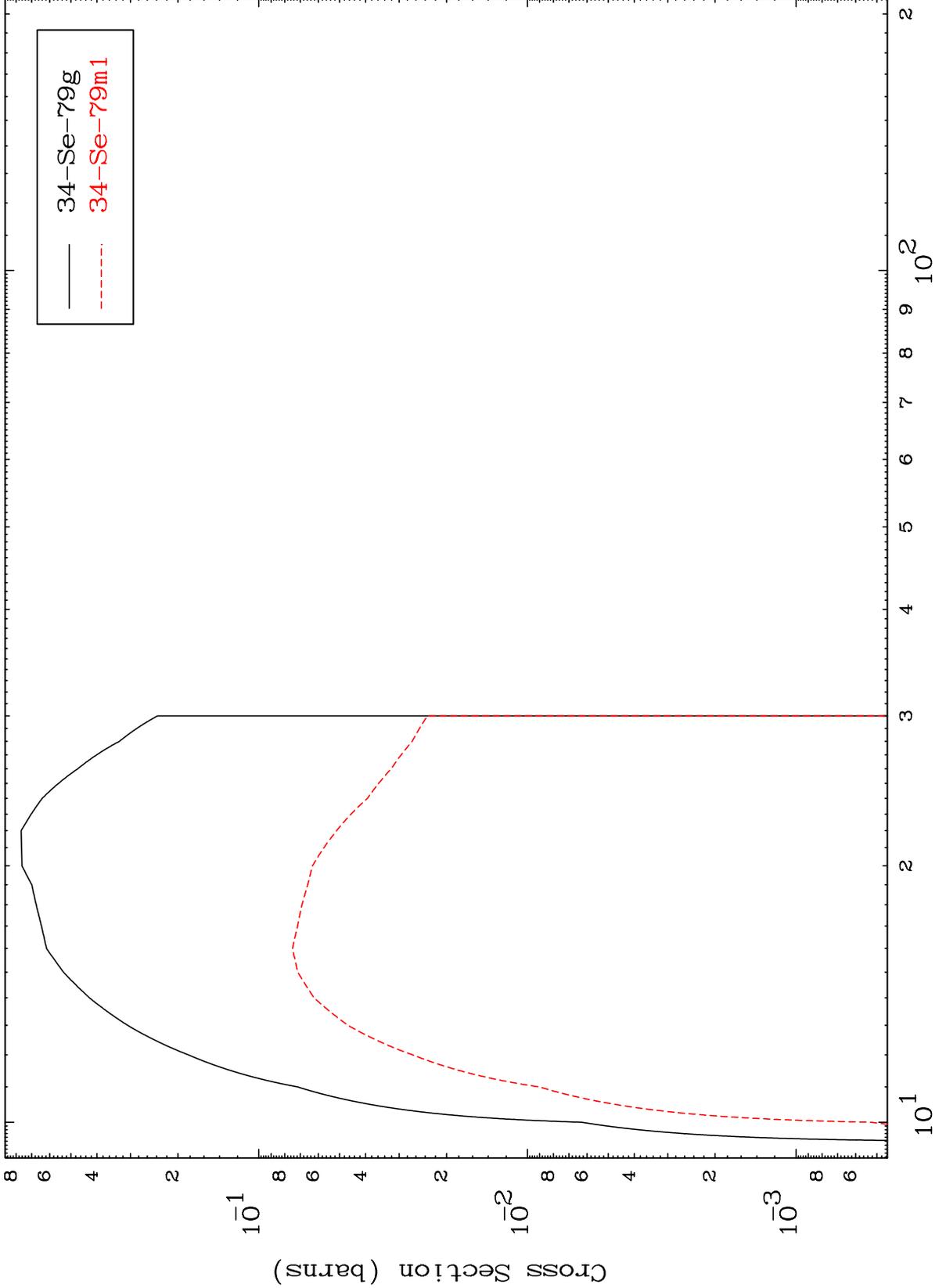
32-Ge-77

MAT 3246

( $\alpha, 2n$ )

$^{32}\text{Ge-77}$

Radionuclide Production Cross Section



Incident Energy (MeV)

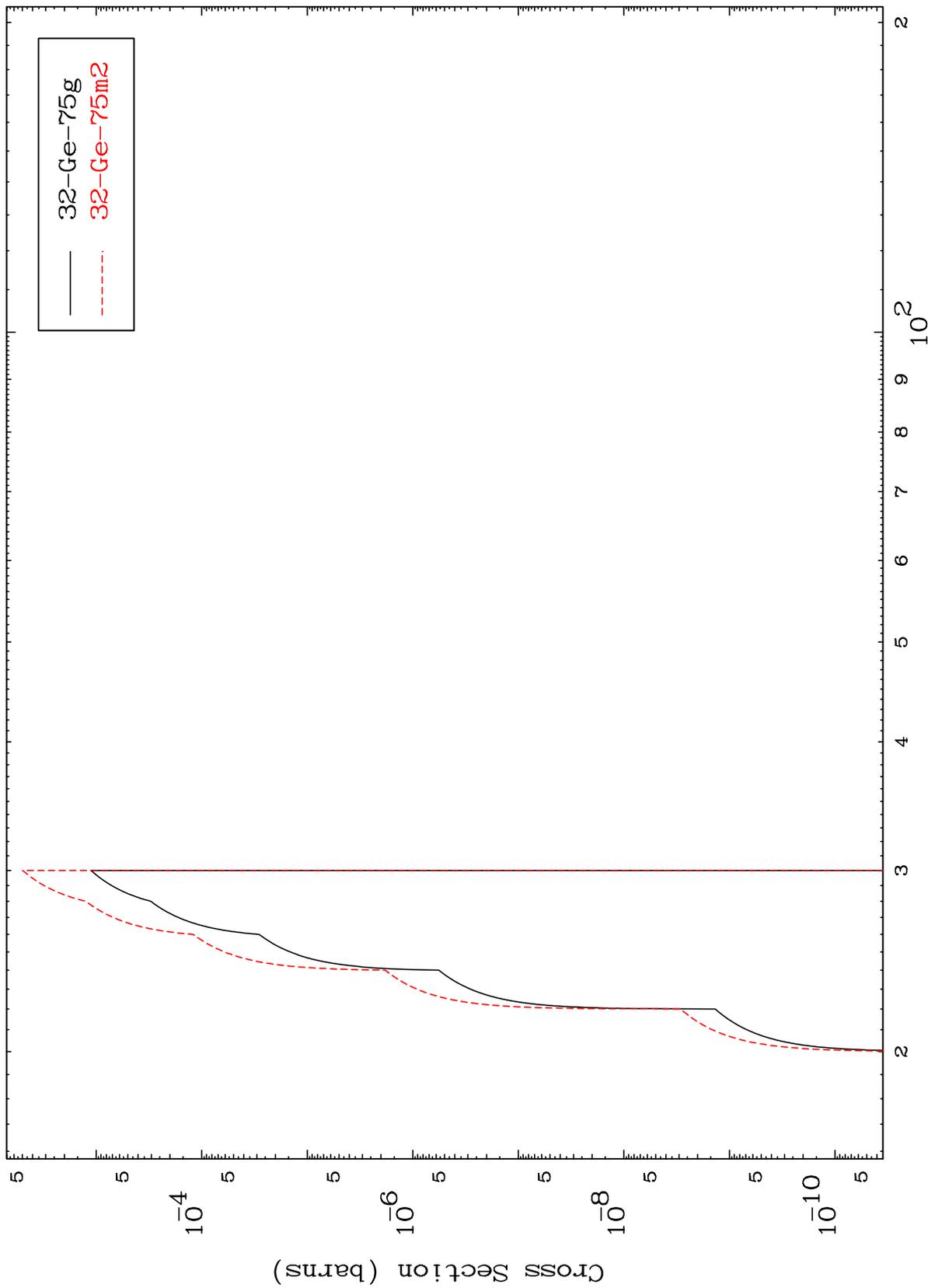
$^{32}\text{Ge-77}$

MAT 3246

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

$^{32}\text{Ge-77}$

Radionuclide Production Cross Section



13

Incident Energy (MeV)

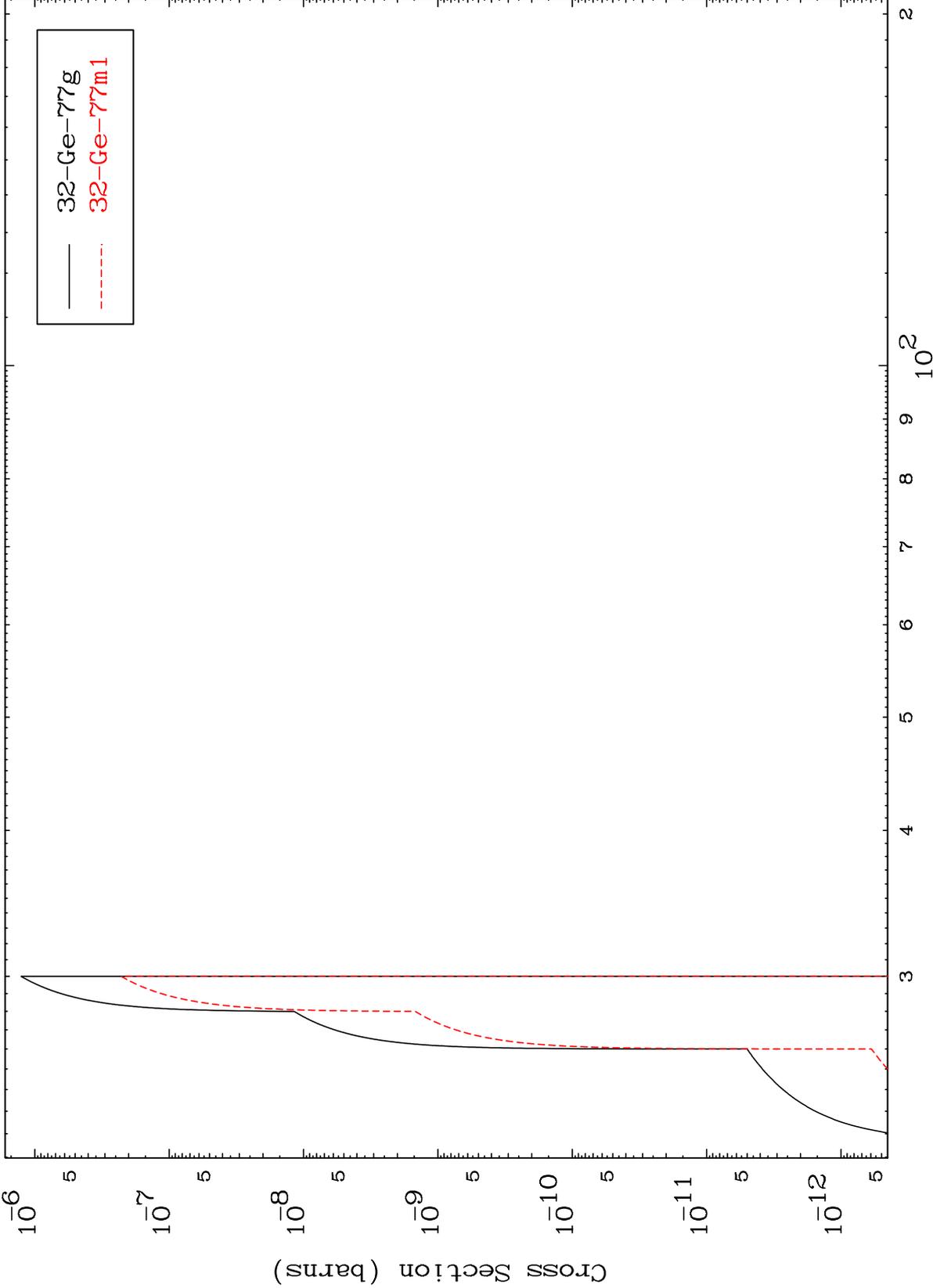
$^{32}\text{Ge-77}$

MAT 3246

( $\alpha, n'$ ) He-3

<sup>32</sup>Ge-<sup>77</sup>

Radionuclide Production Cross Section



14

Incident Energy (MeV)

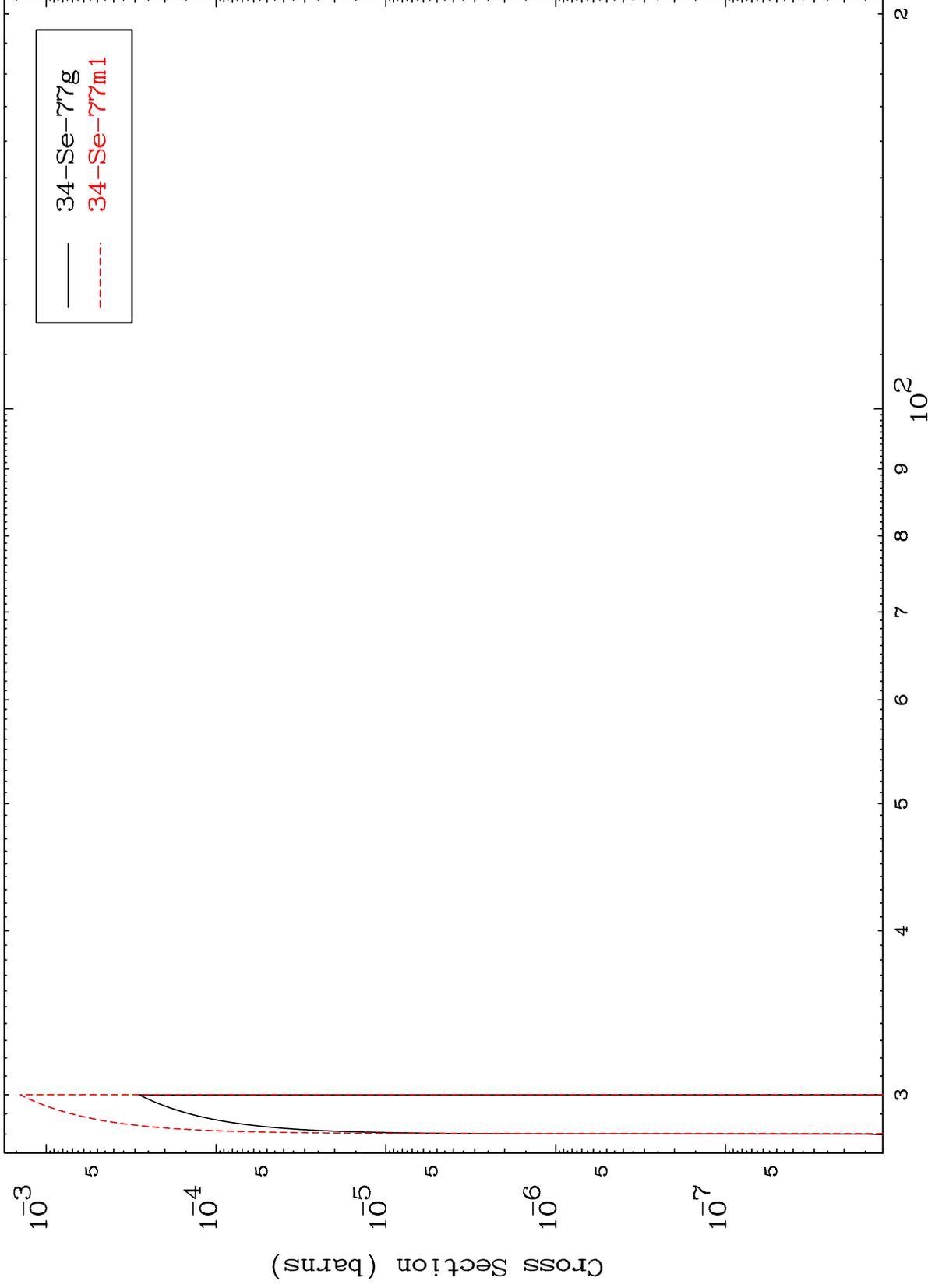
<sup>32</sup>Ge-<sup>77</sup>

MAT 3246

( $\alpha, 4n$ )

$^{32}\text{Ge-77}$

Radionuclide Production Cross Section



15

Incident Energy (MeV)

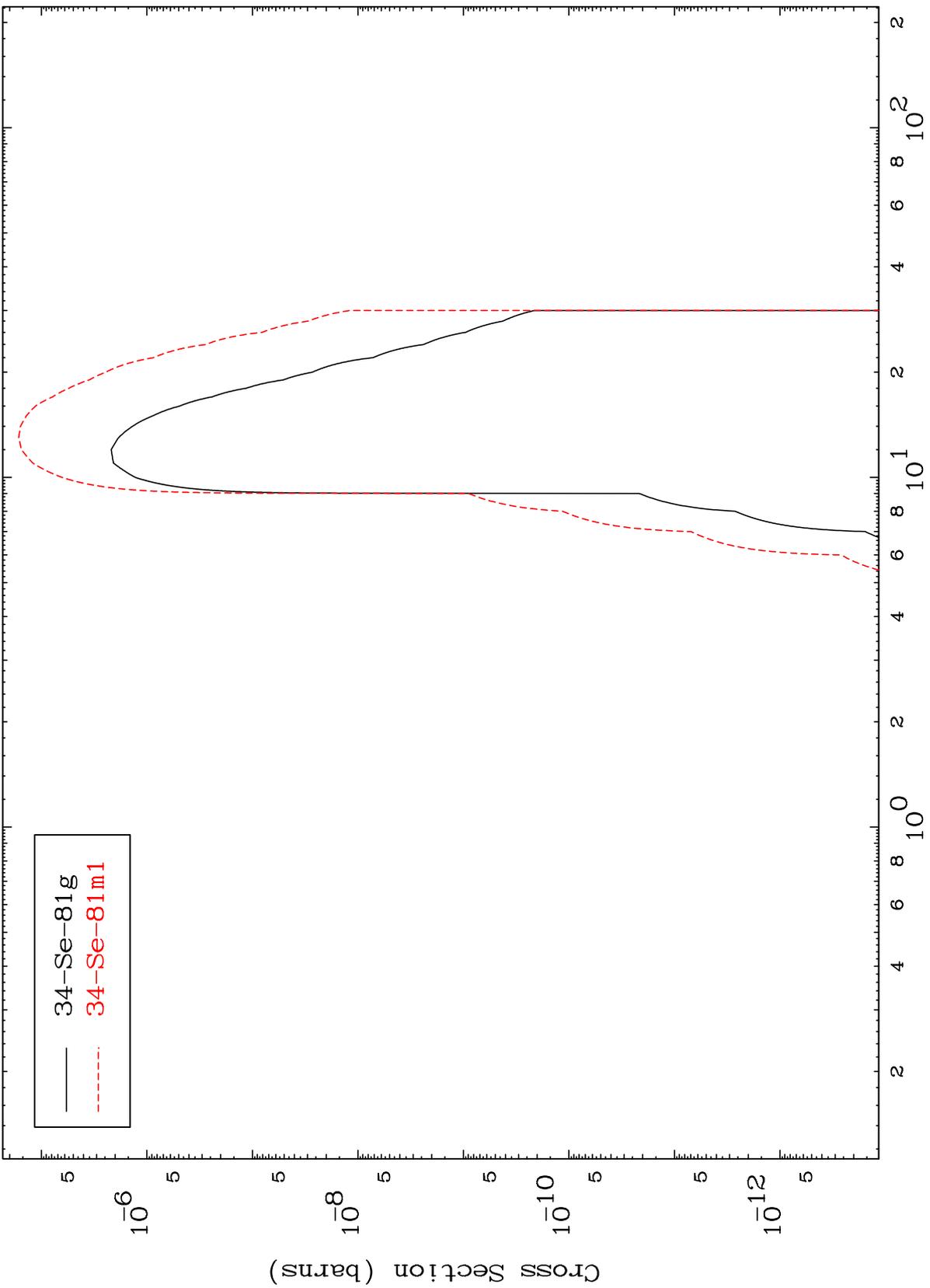
$^{32}\text{Ge-77}$

MAT 3246

( $\alpha, \gamma$ )

32-Ge-77

Radionuclide Production Cross Section



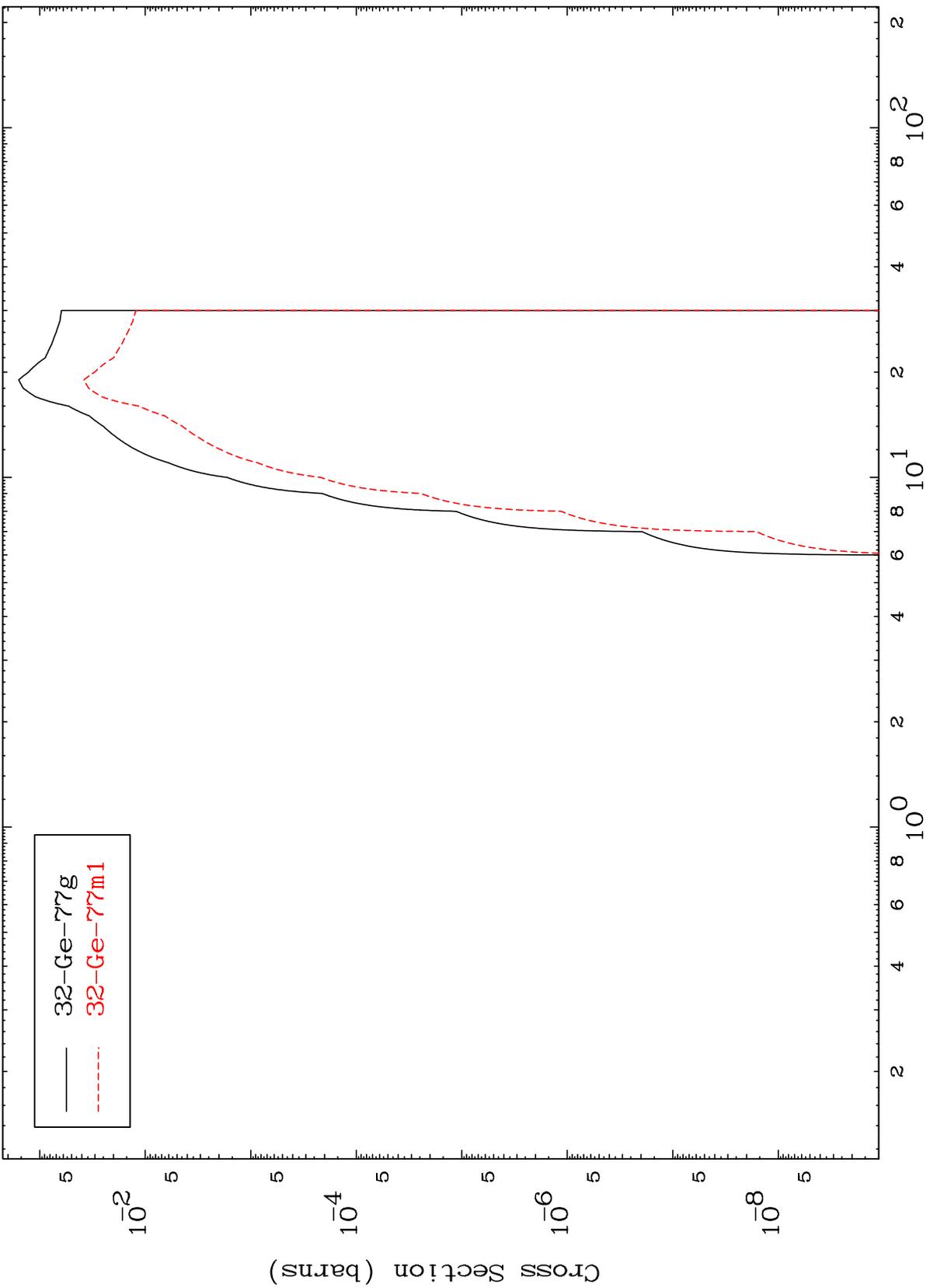
Legend:  
— 34-Ge-81g  
- - - 34-Ge-81m1

MAT 3246

( $\alpha, \alpha$ )

$^{32}\text{Ge-77}$

Radionuclide Production Cross Section



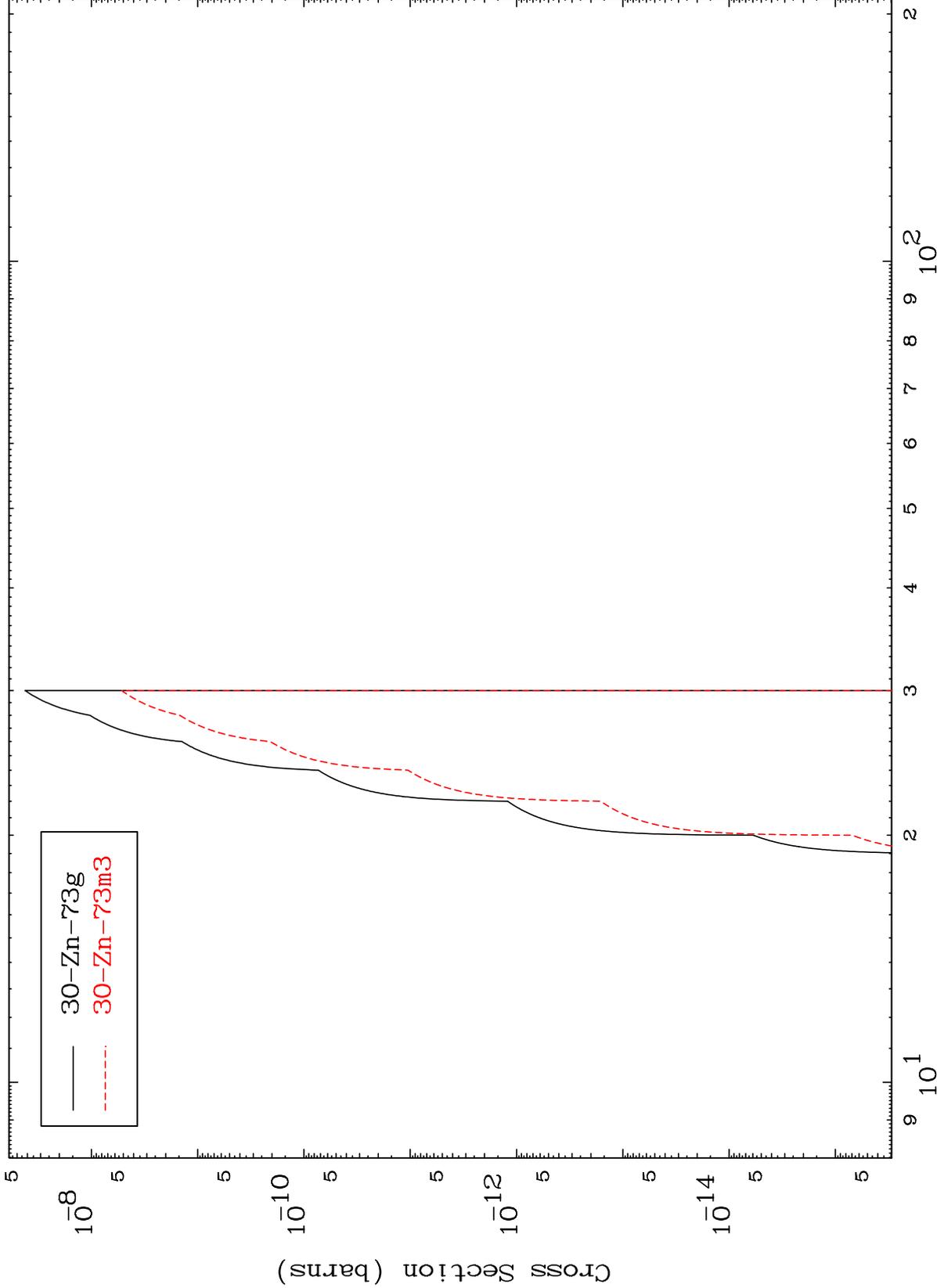
Legend:  
—  $^{32}\text{Ge-77g}$   
- - -  $^{32}\text{Ge-77m1}$

MAT 3246

$(\alpha, 2\alpha)$

$^{32}\text{Ge-77}$

Radionuclide Production Cross Section



18

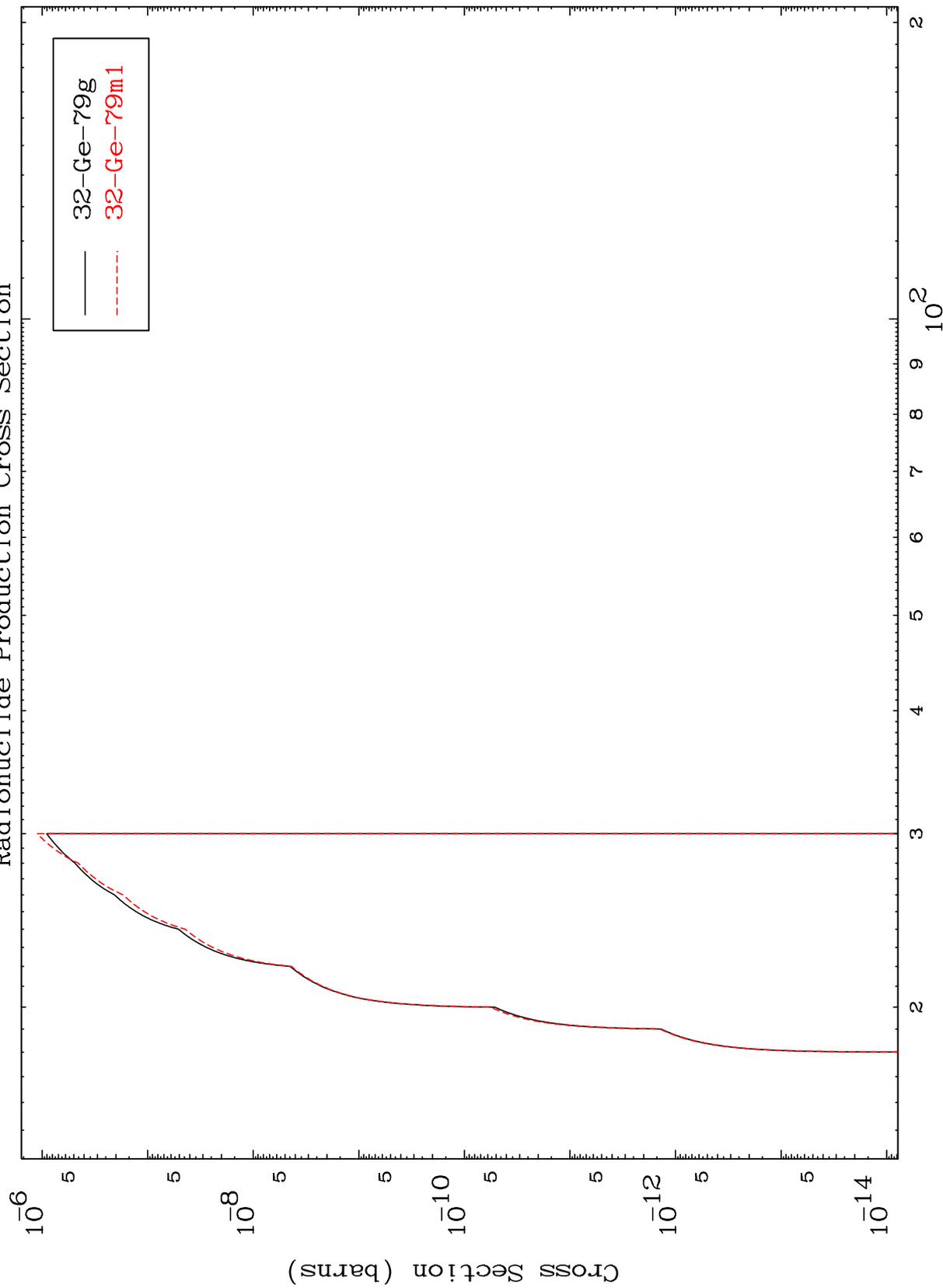
Incident Energy (MeV)

$^{32}\text{Ge-77}$

MAT 3246

<sup>32</sup>Ge-77

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



19

<sup>32</sup>Ge-77

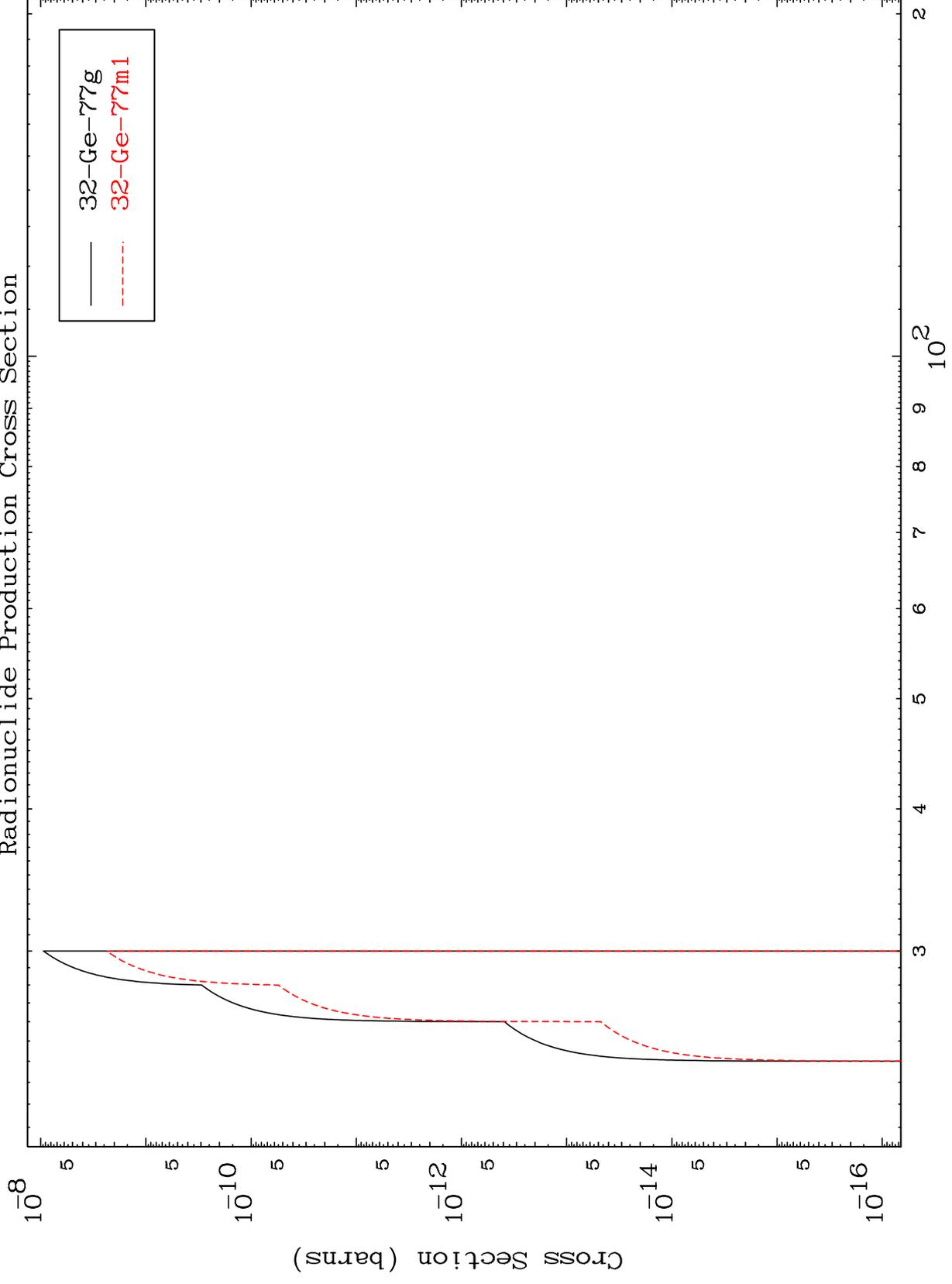
Incident Energy (MeV)

MAT 3246

( $\alpha, p$ ) t

$^{32}\text{Ge-77}$

Radionuclide Production Cross Section



20

Incident Energy (MeV)

$^{32}\text{Ge-77}$