

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

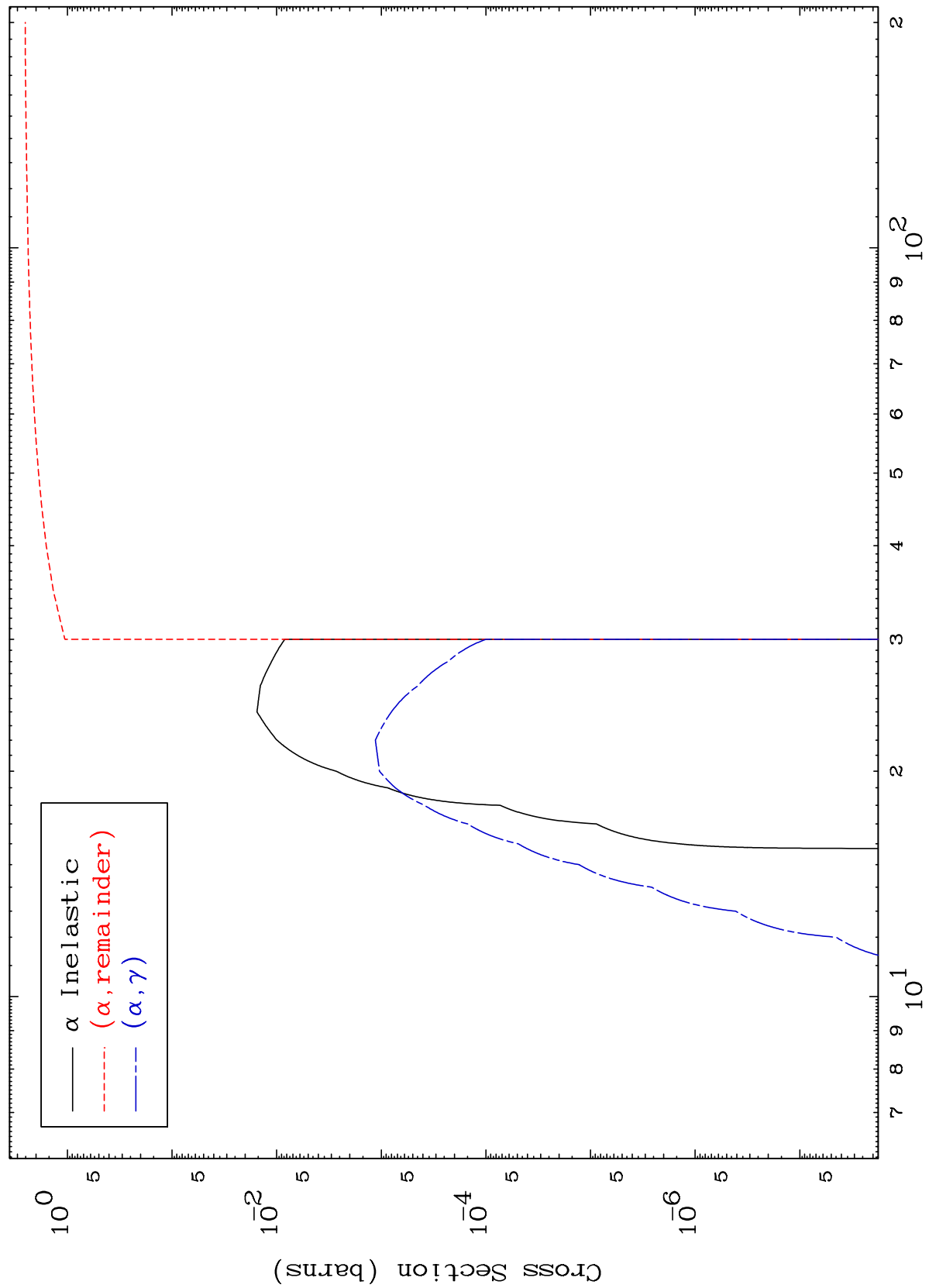
Press Mouse Button to Start

MAT 7468

0 Kelvin

α Major

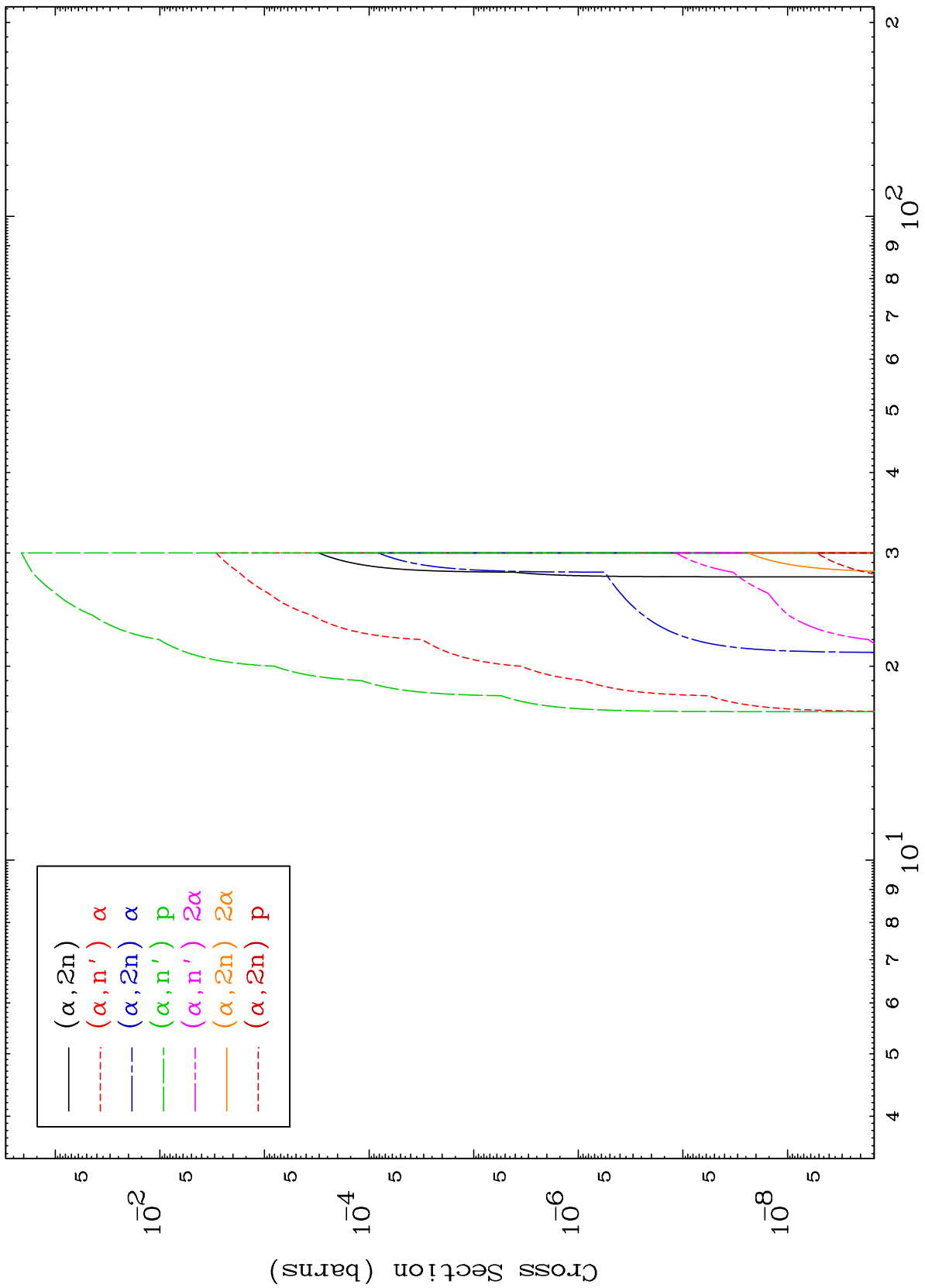
75-Re-166



MAT 7468

α Neutron Production
0 Kelvin Cross Sections

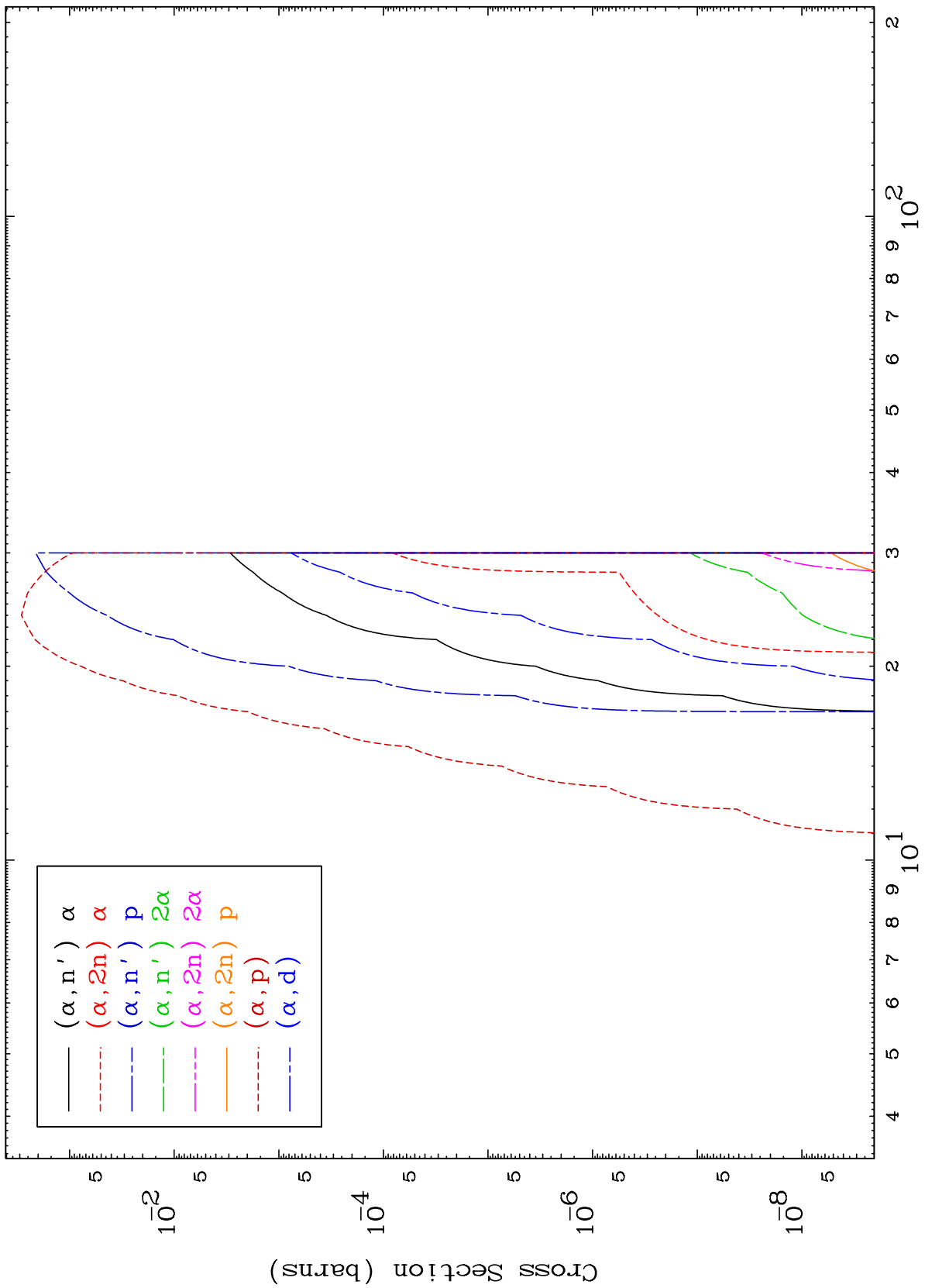
75-Re-166

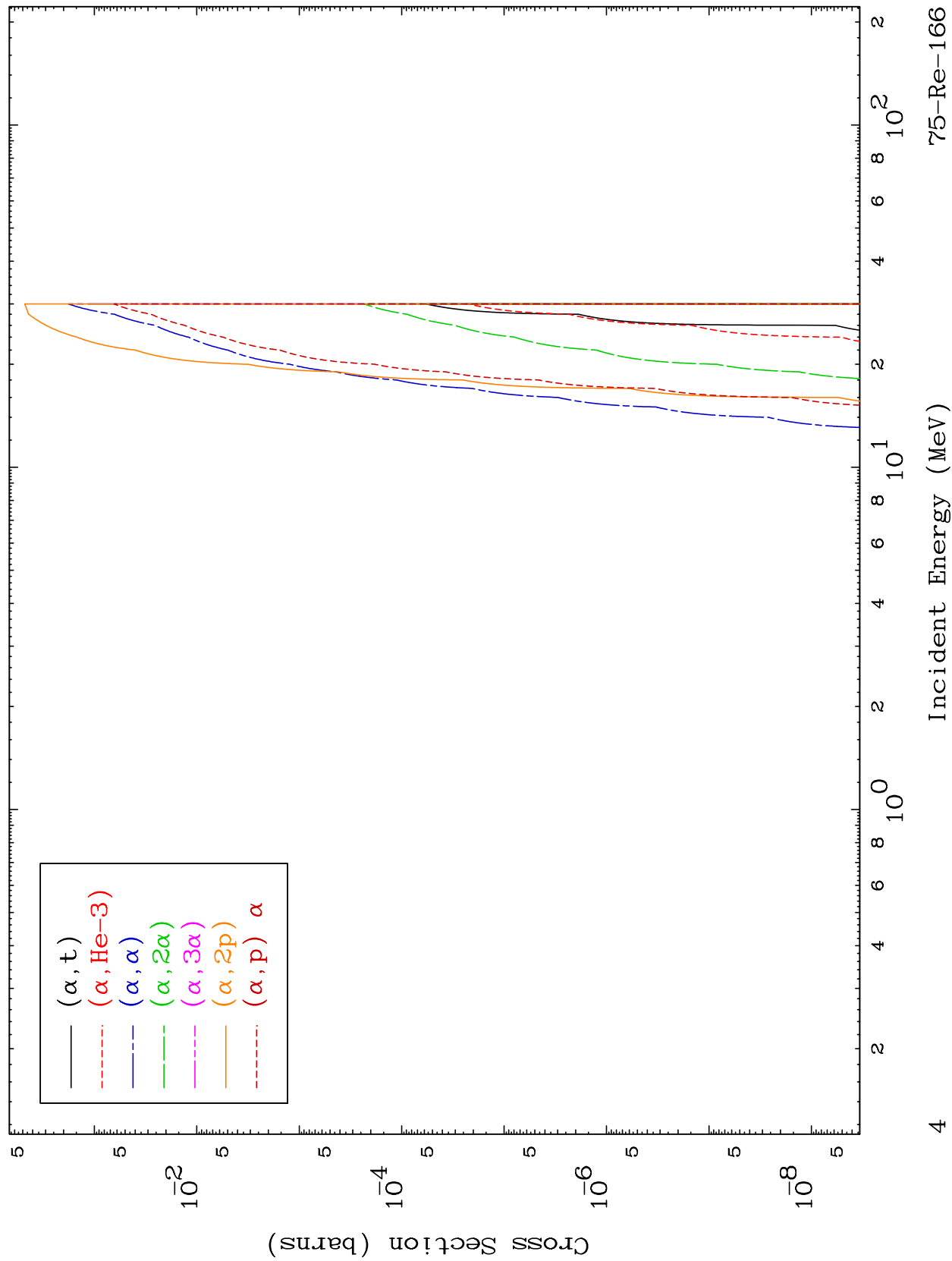


75-Re-166

Incident Energy (MeV)

2



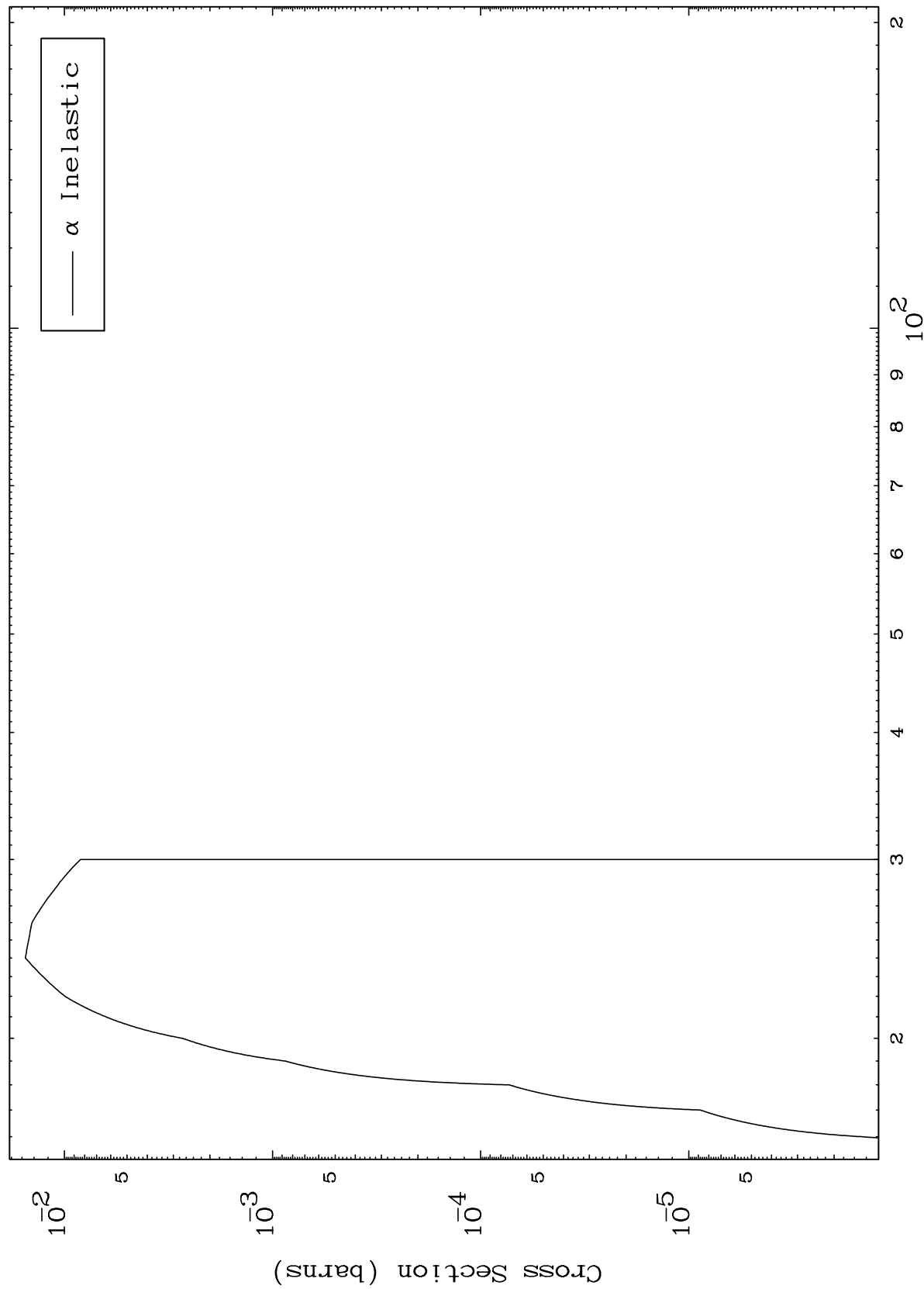


MAT 7468

(α, n') Level

75-Re-166

0 Kelvin Cross Sections

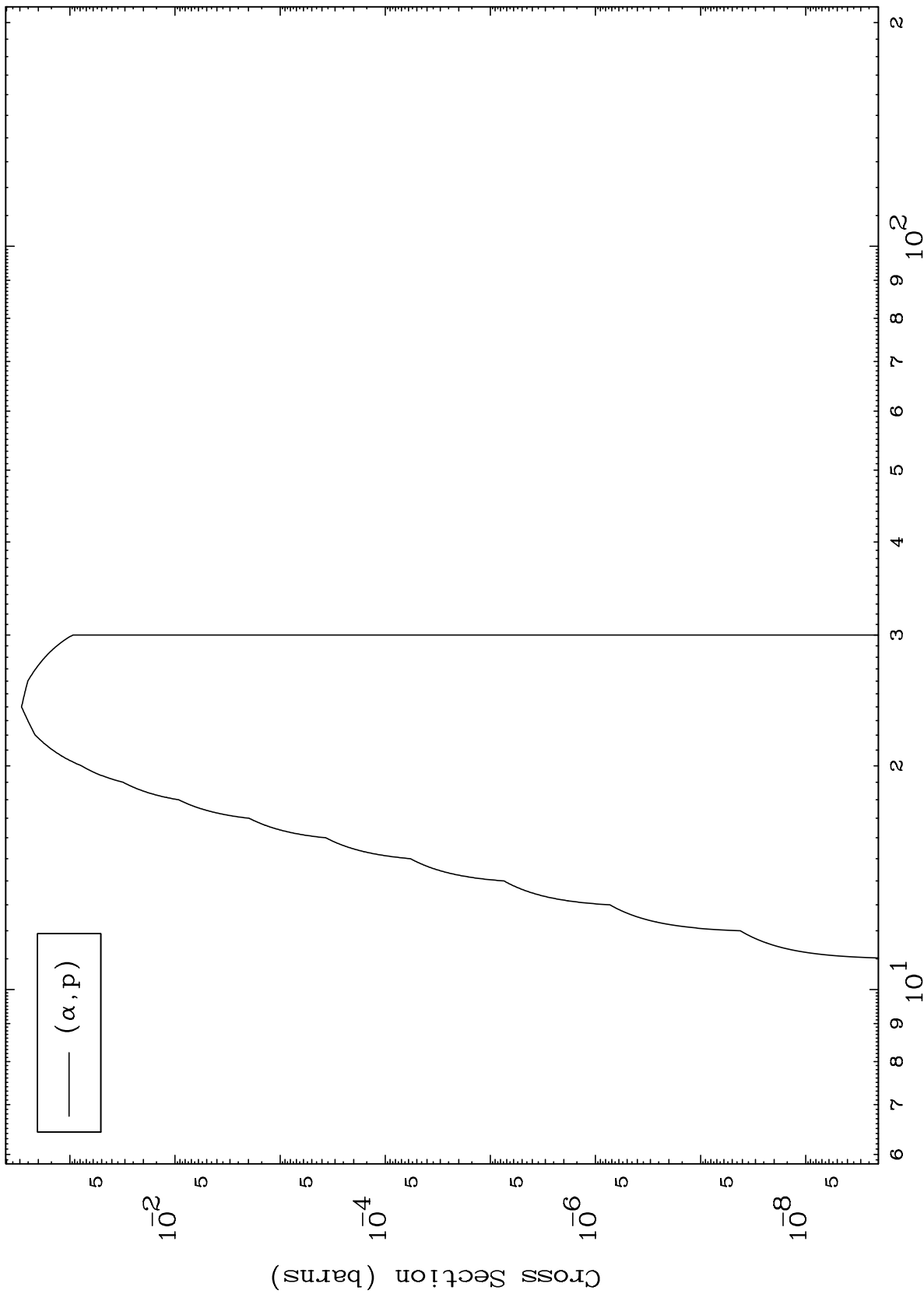


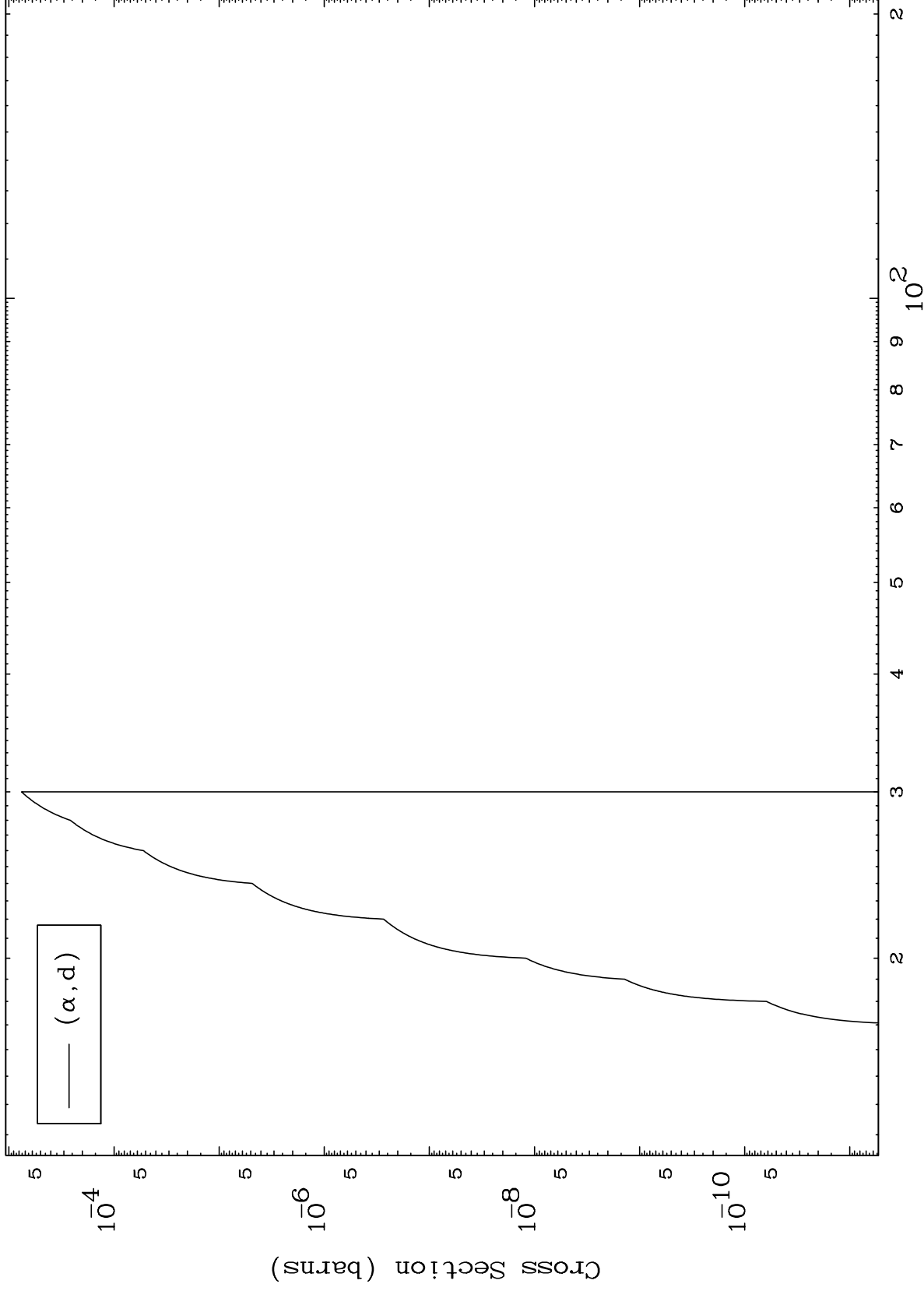
5

Incident Energy (MeV)

75-Re-166

(α, p) Levels
0 Kelvin Cross Sections

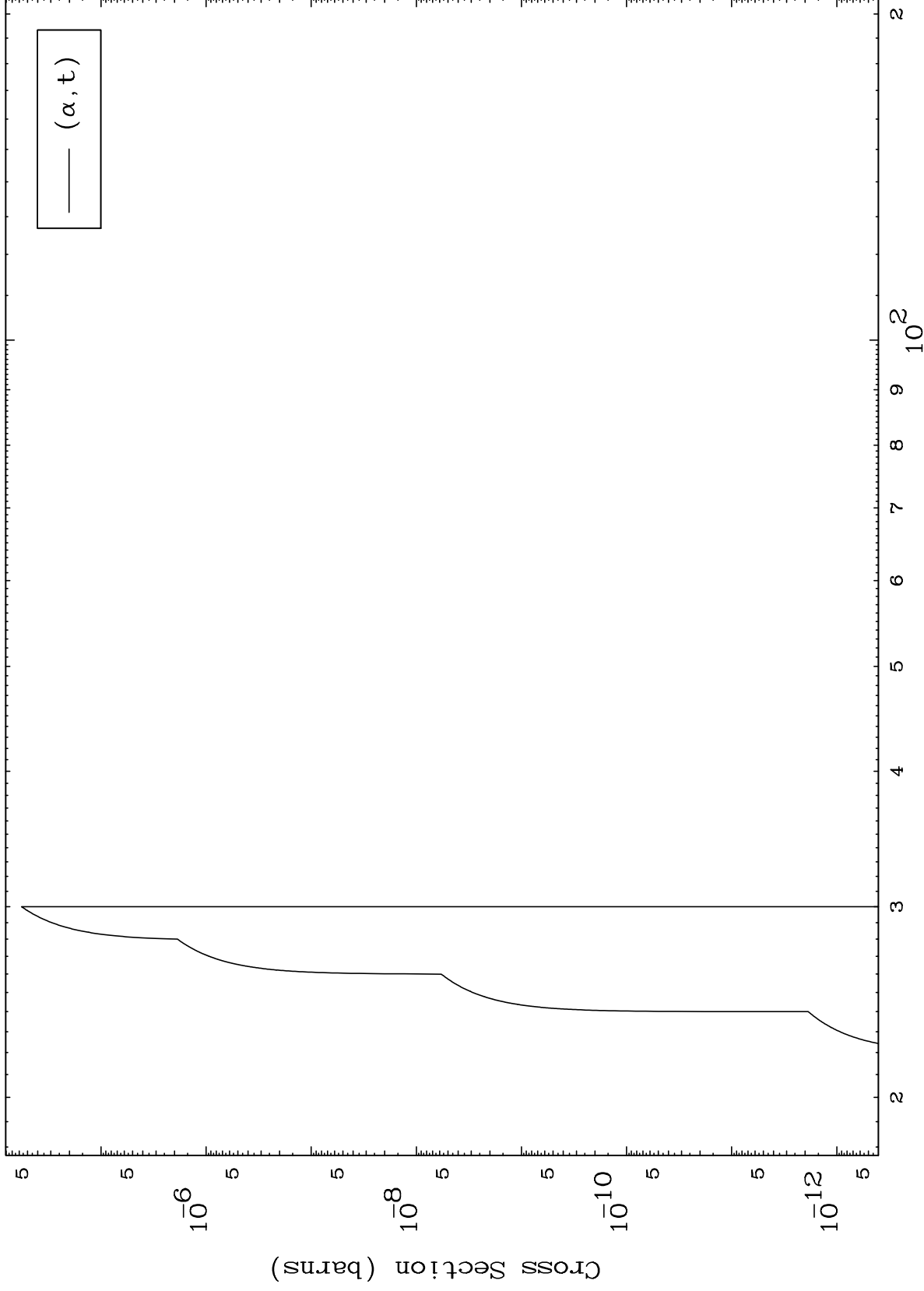




MAT 7468

(α, t) Levels
0 Kelvin Cross Sections

75-Re-166



8

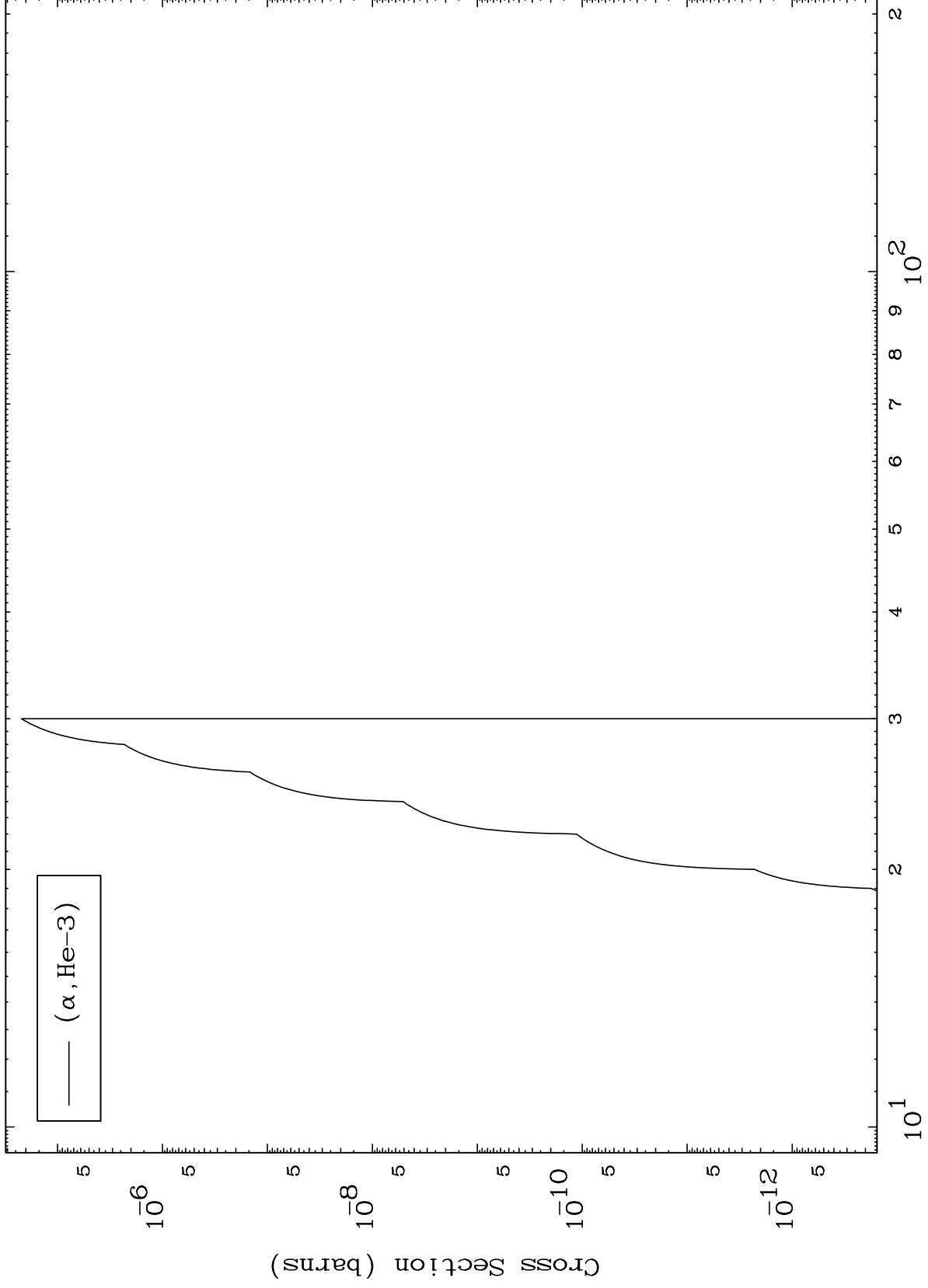
Incident Energy (MeV)

75-Re-166

MAT 7468

(α , He3) Levels
0 Kelvin Cross Sections

75-Re-166



75-Re-166

Incident Energy (MeV)

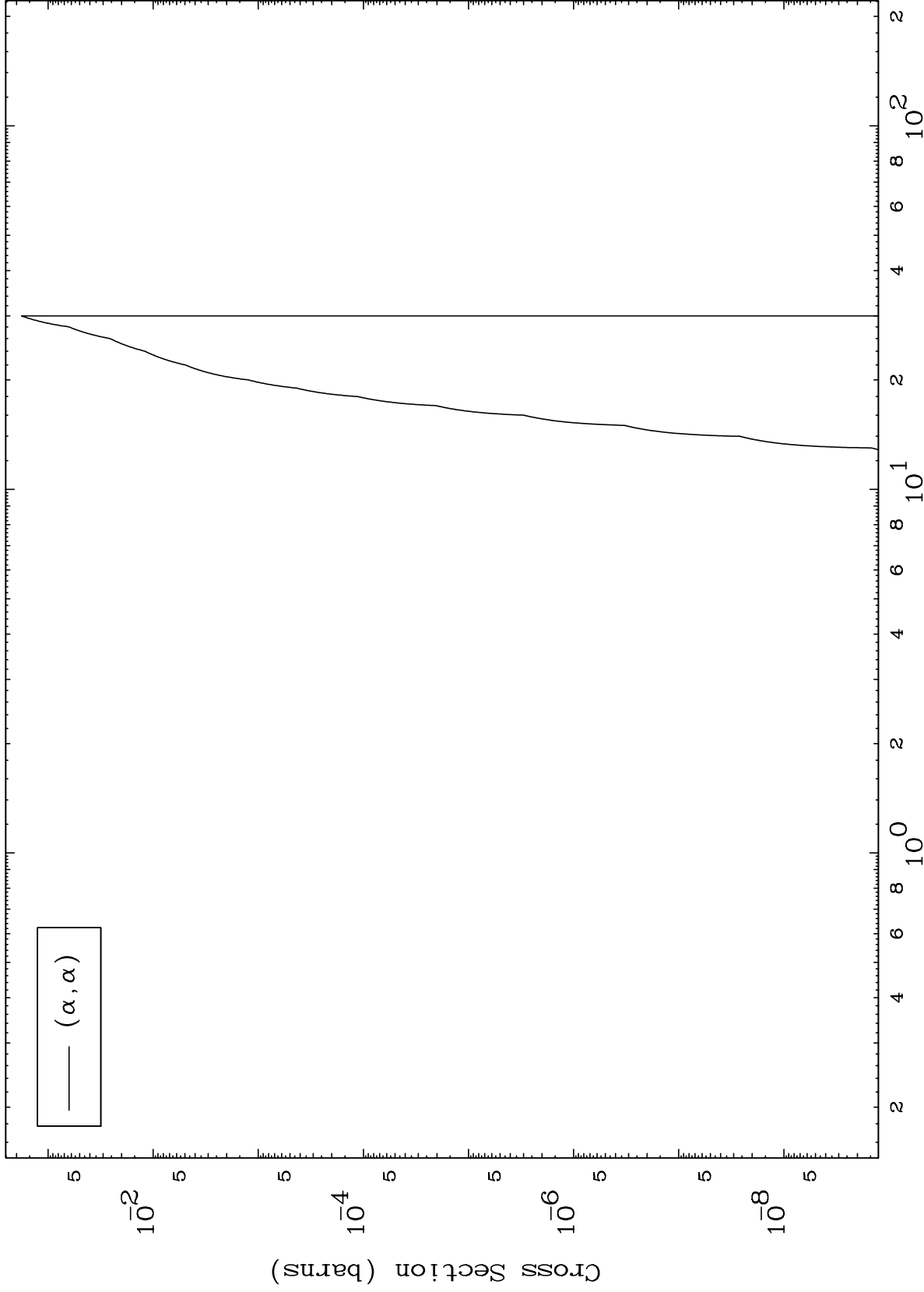
9

MAT 7468

(α, α) Levels

75-Re-166

0 Kelvin Cross Sections

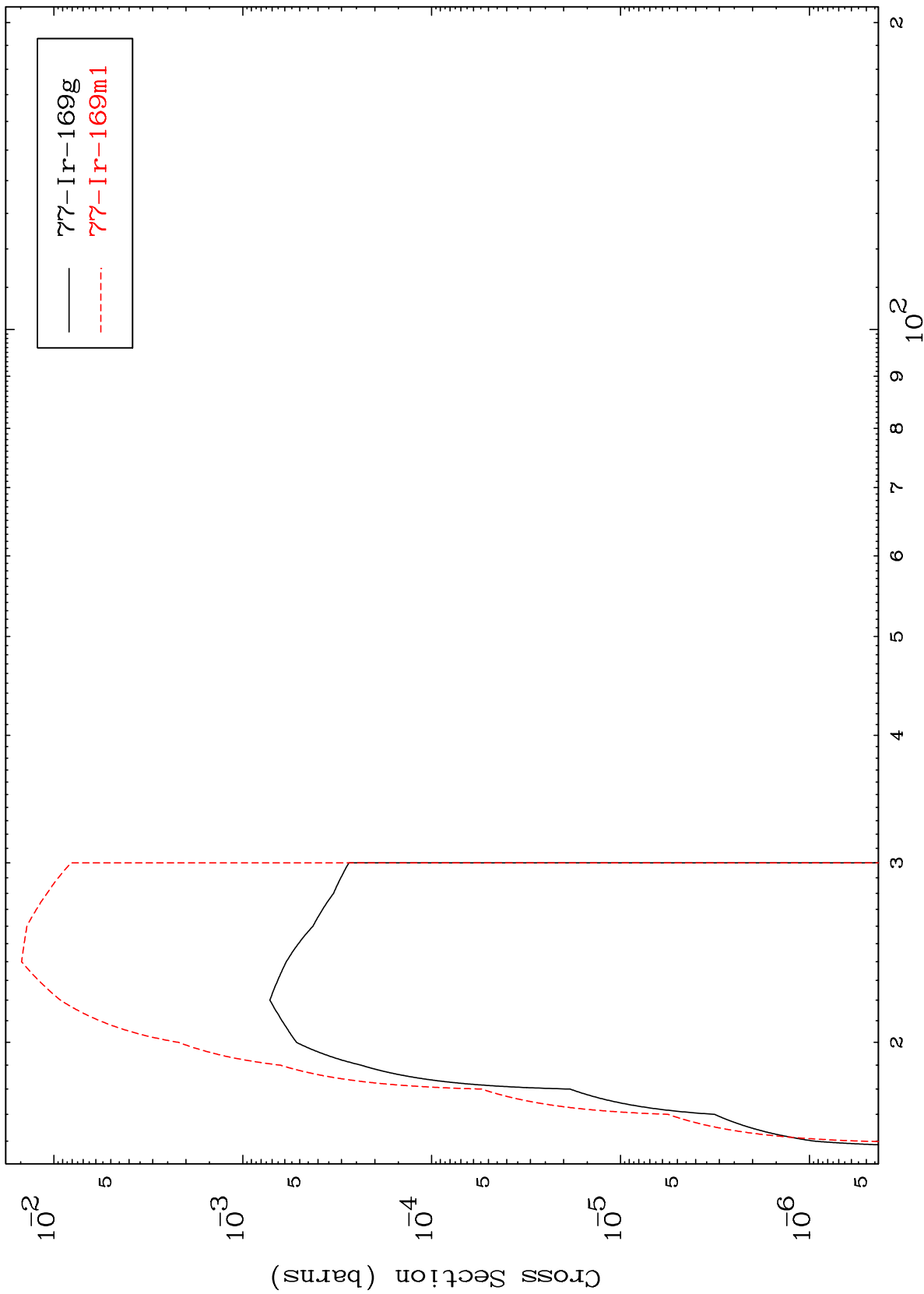


10

Incident Energy (MeV)

75-Re-166

Radionuclide Production Cross Section
 α Inelastic

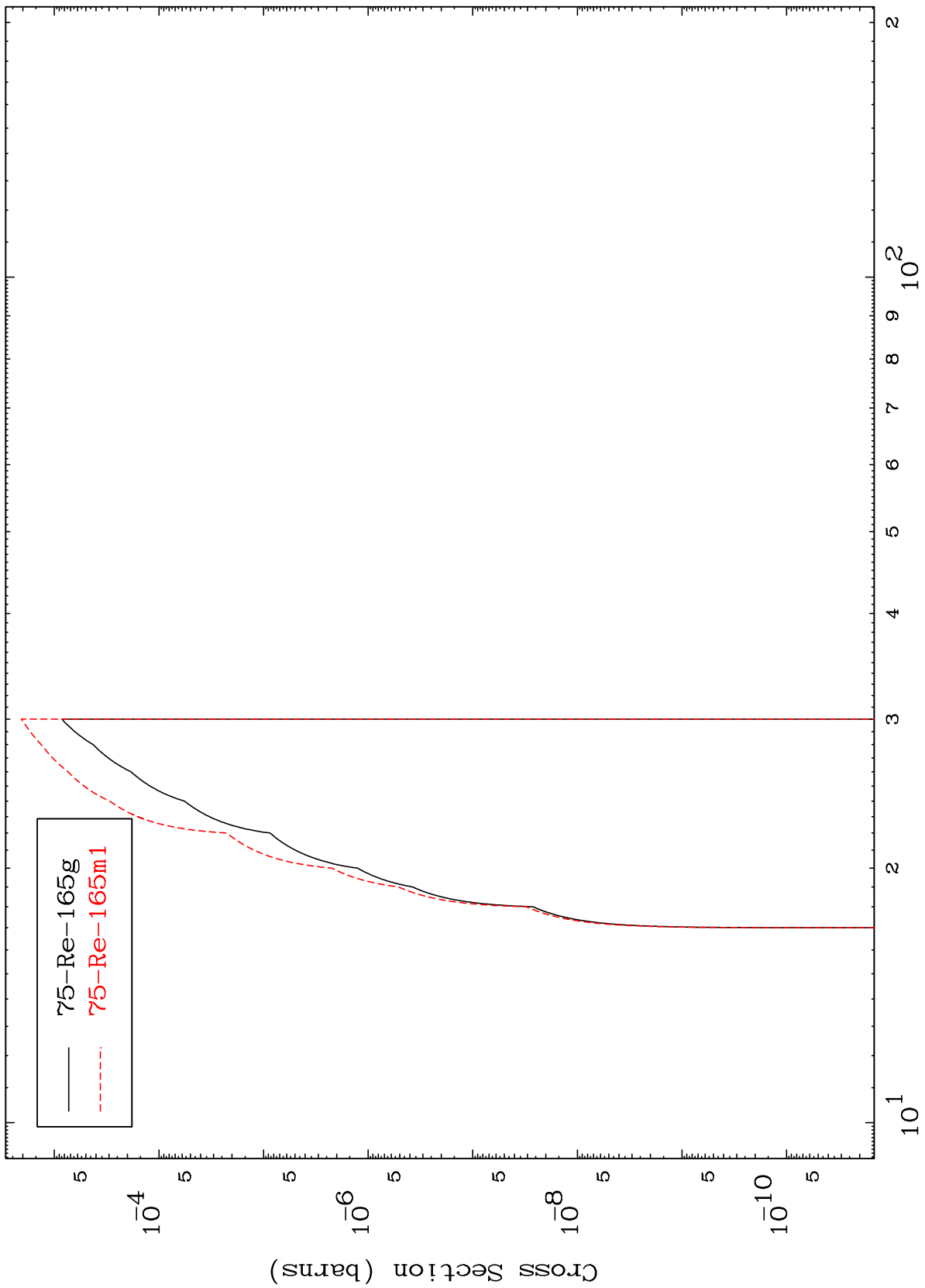


MAT 7468

(α, n') α

⁷⁵Re-¹⁶⁶

Radionuclide Production Cross Section



75-Re-165g
75-Re-165m1

Incident Energy (MeV)

⁷⁵Re-¹⁶⁶

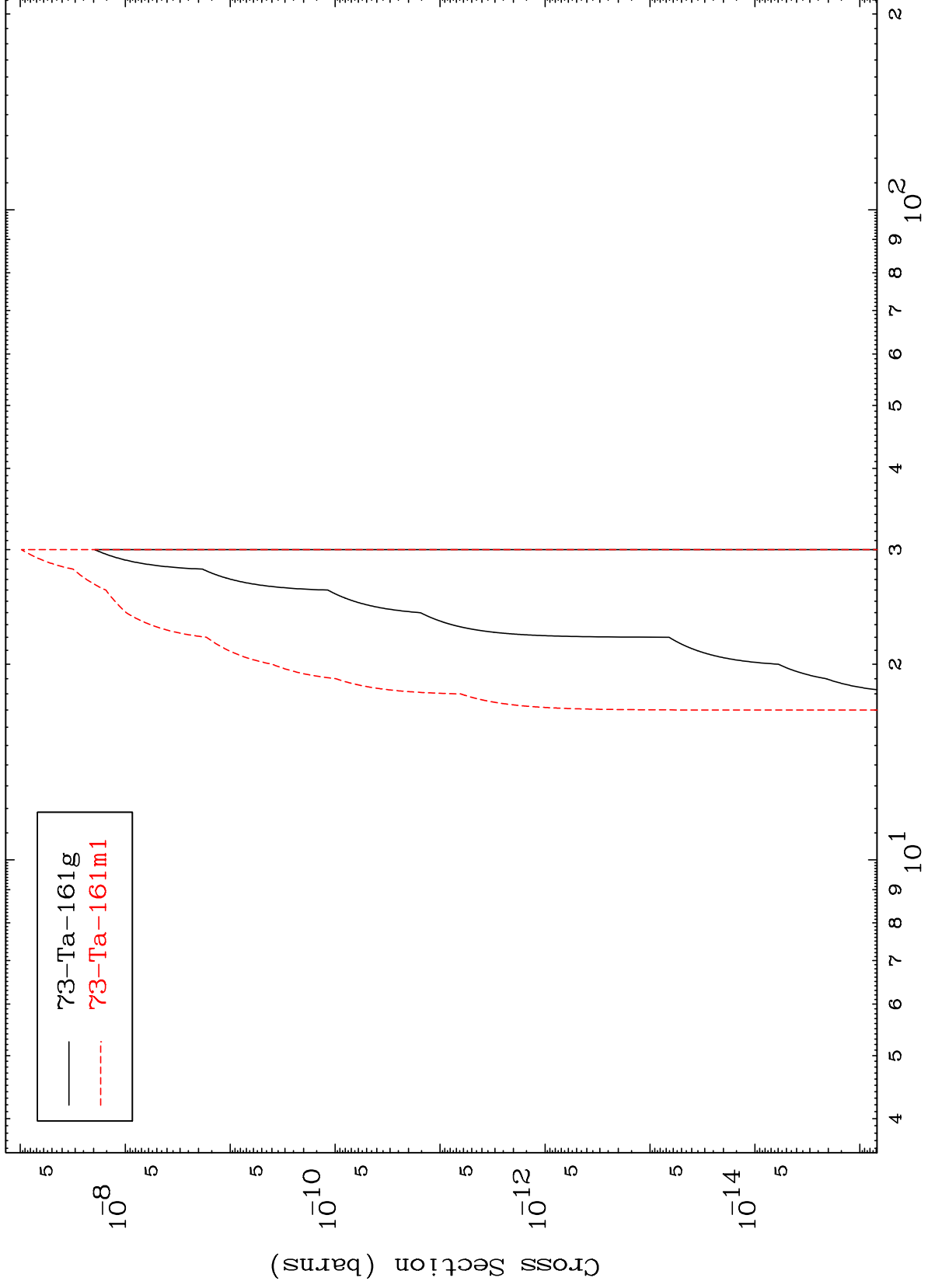
12

MAT 7468

(α, n') 2α

⁷⁵Re-166

Radionuclide Production Cross Section

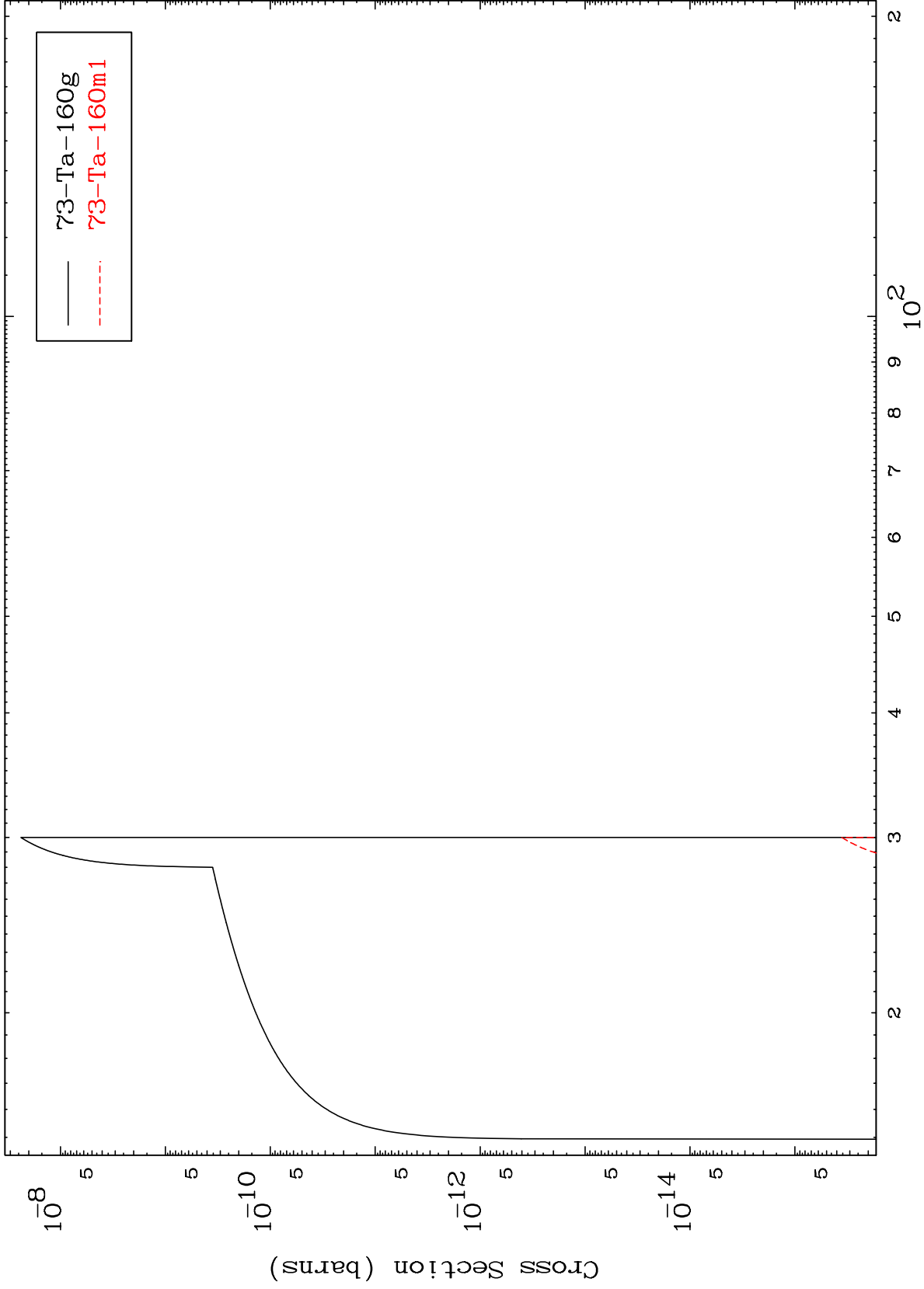


13

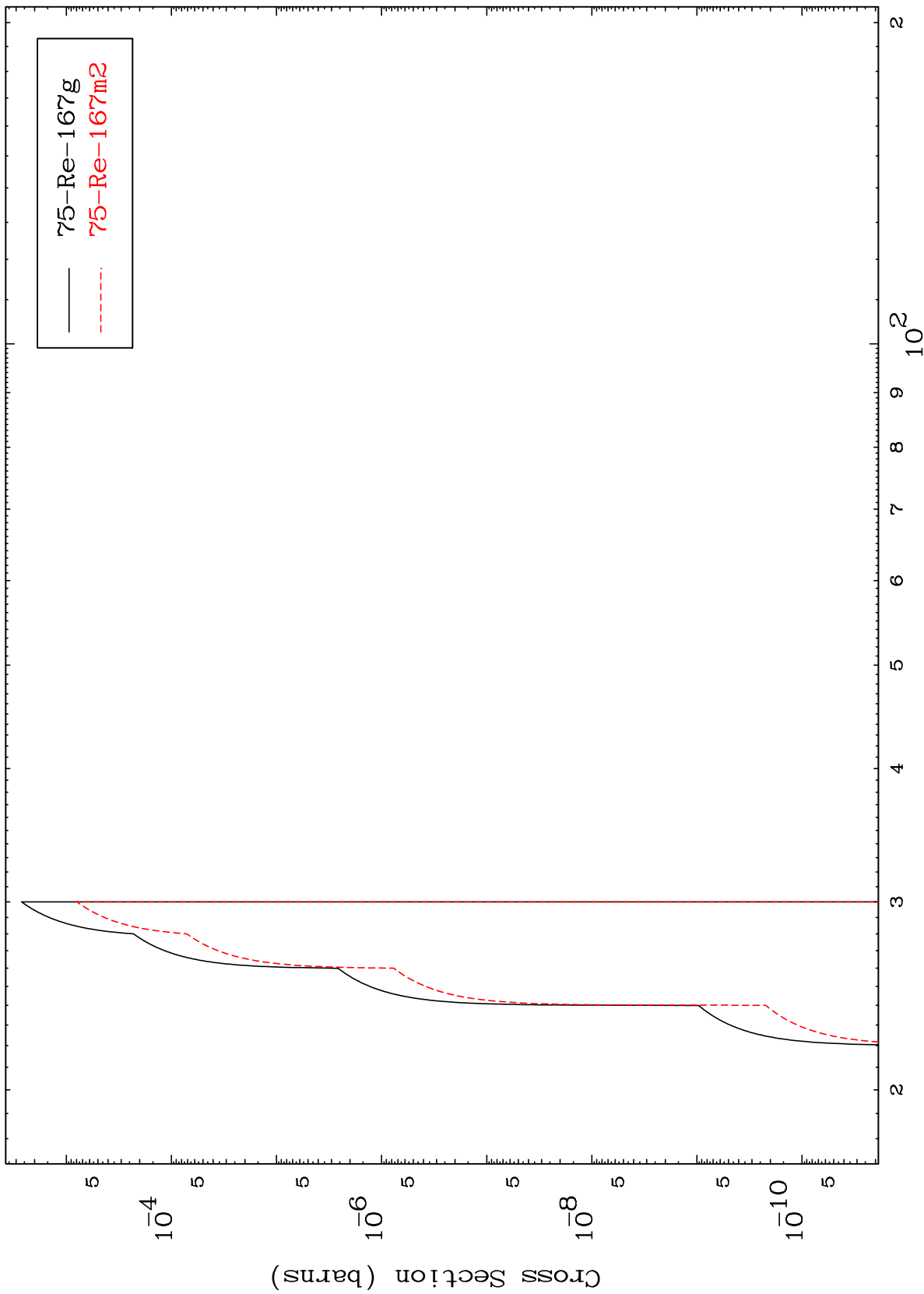
Incident Energy (MeV)

⁷⁵Re-166

Radionuclide Production Cross Section



Radionuclide Production Cross Section



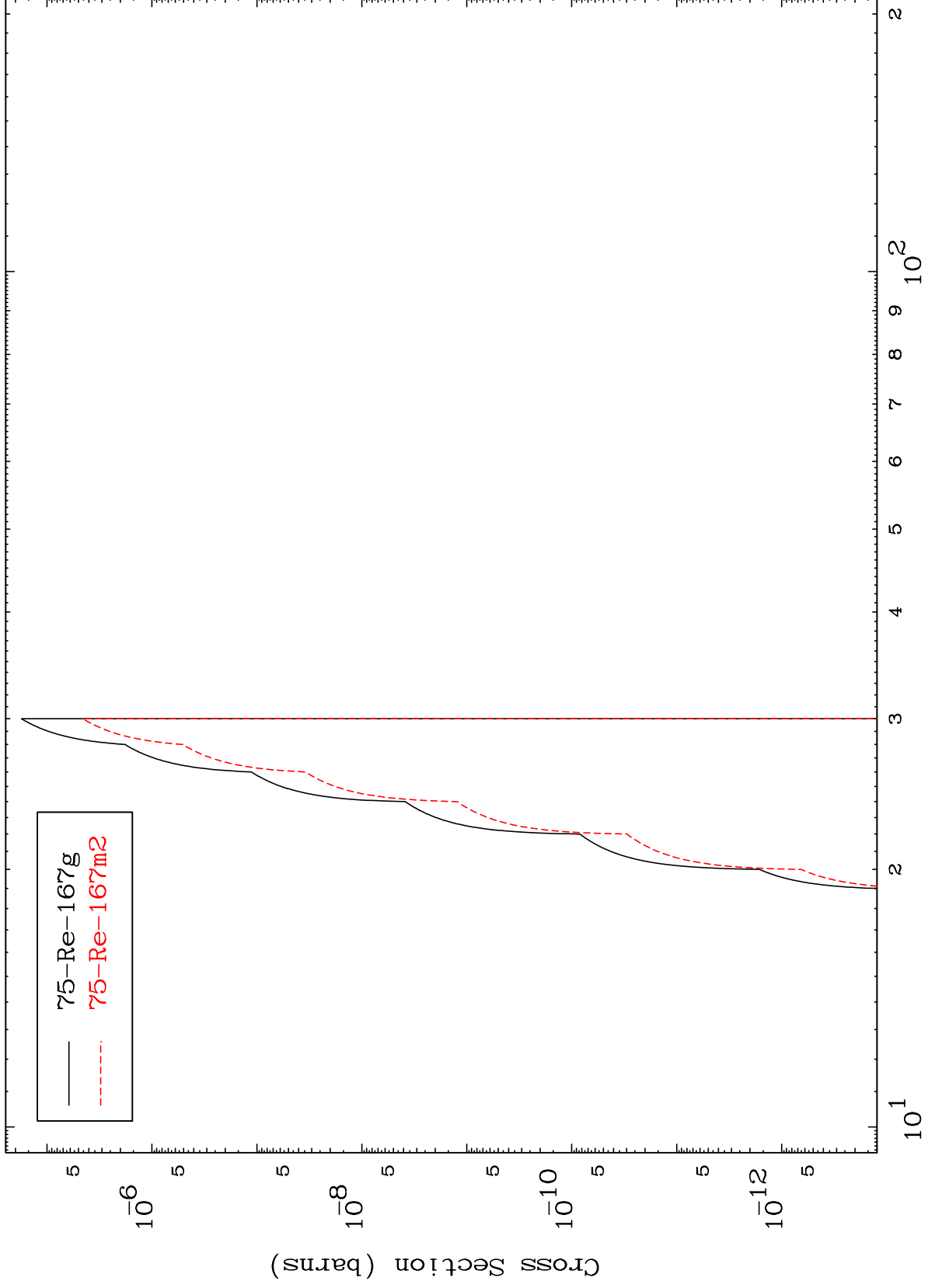
75-Re-167g
75-Re-167m2

MAT 7468

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

⁷⁵Re-¹⁶⁶

Radionuclide Production Cross Section



16

Incident Energy (MeV)

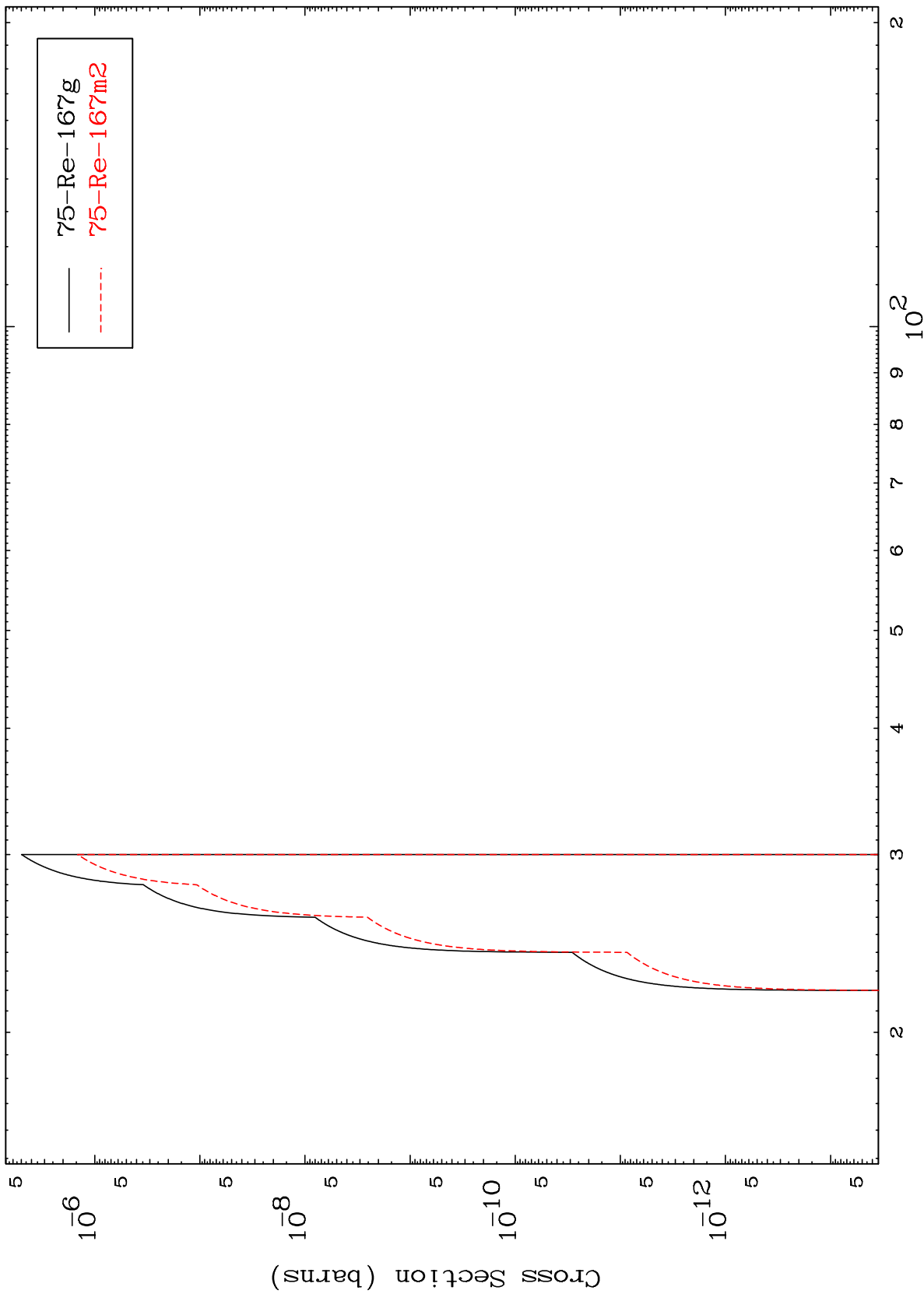
⁷⁵Re-¹⁶⁶

MAT 7468

(α, p) d

75-Re-166

Radionuclide Production Cross Section



17

Incident Energy (MeV)

75-Re-166