

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

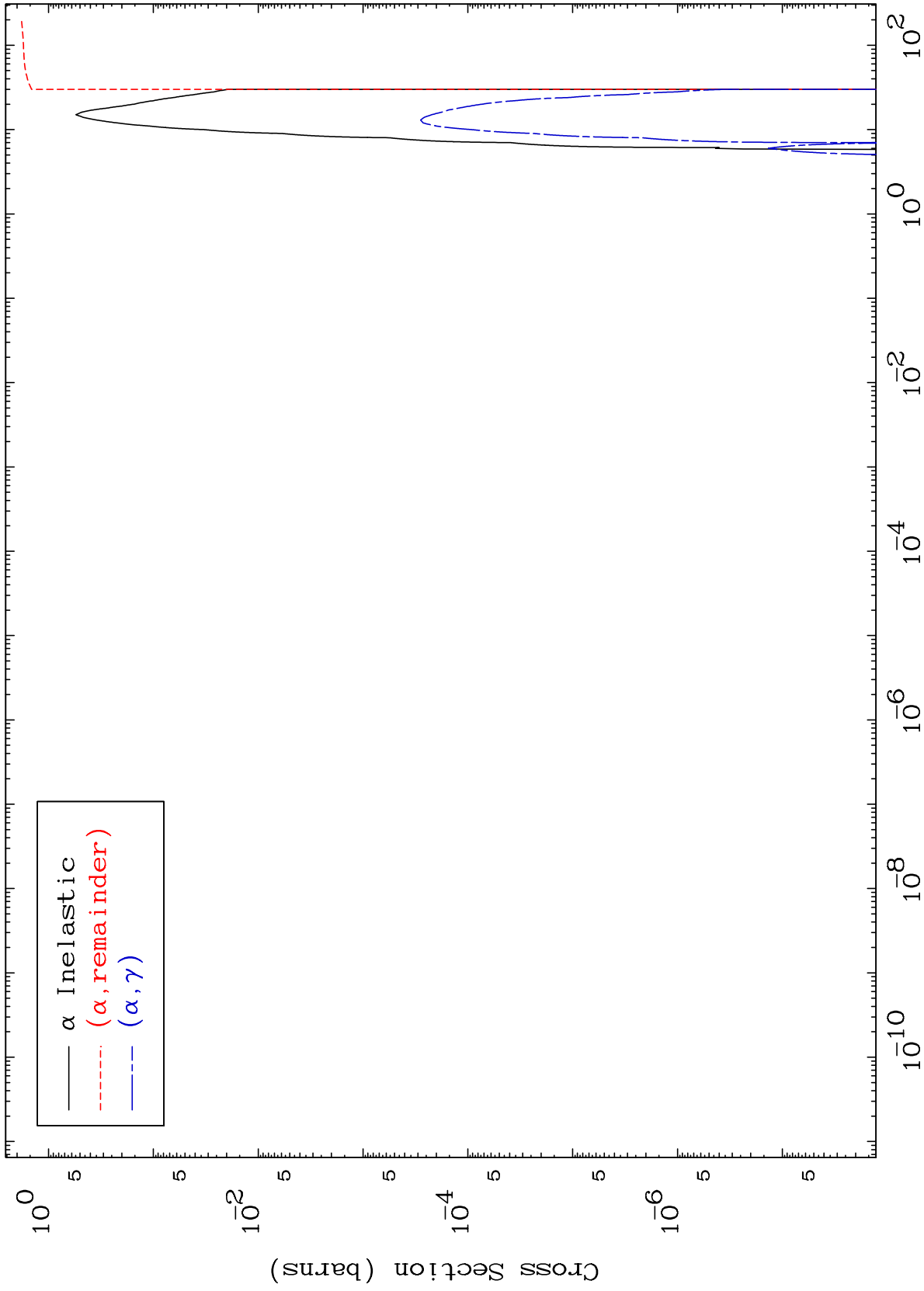
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3525

0 Kelvin α Major
Cross Sections

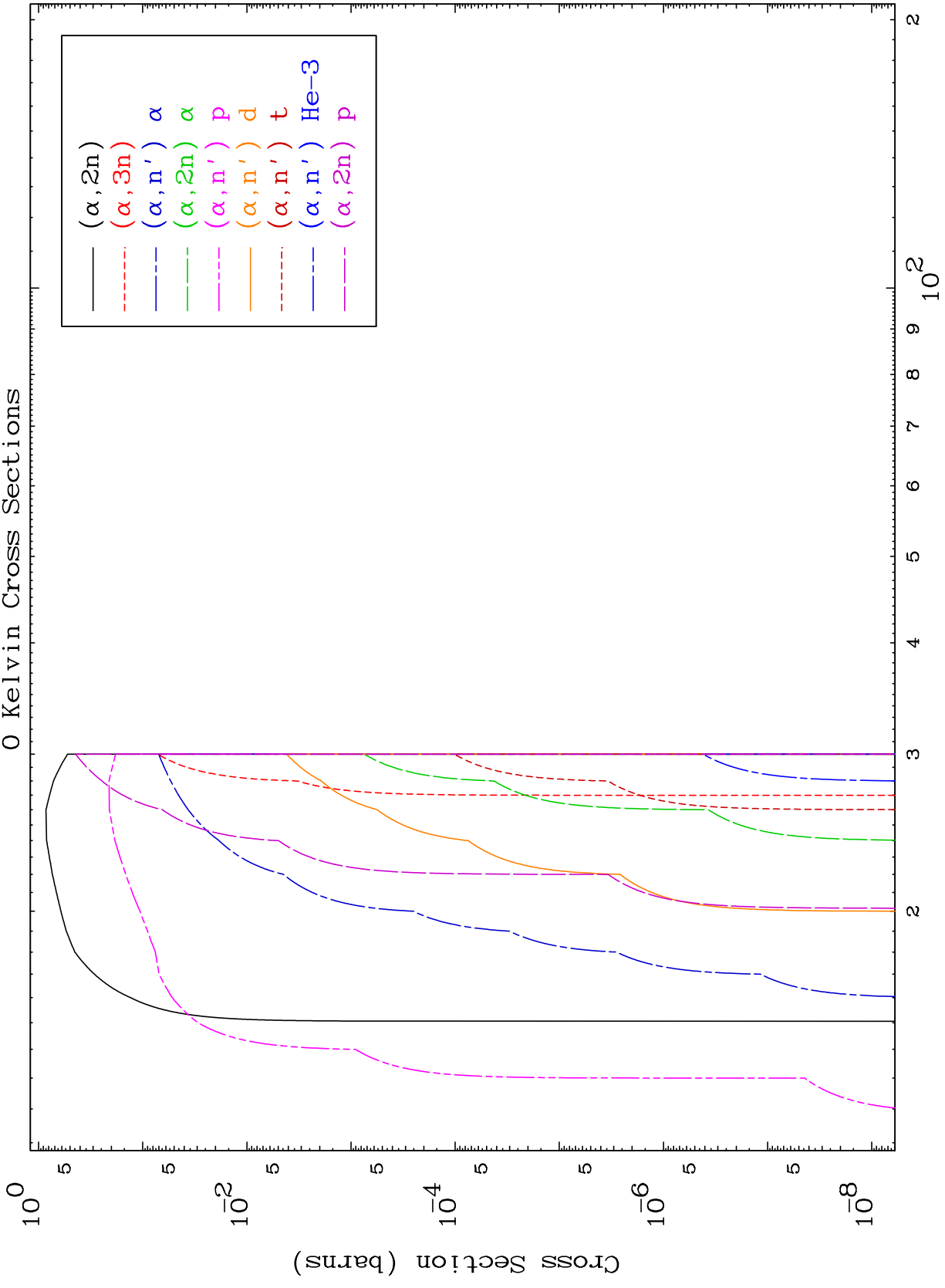
35-Br-79



MAT 3525

α Neutron Production
0 Kelvin Cross Sections

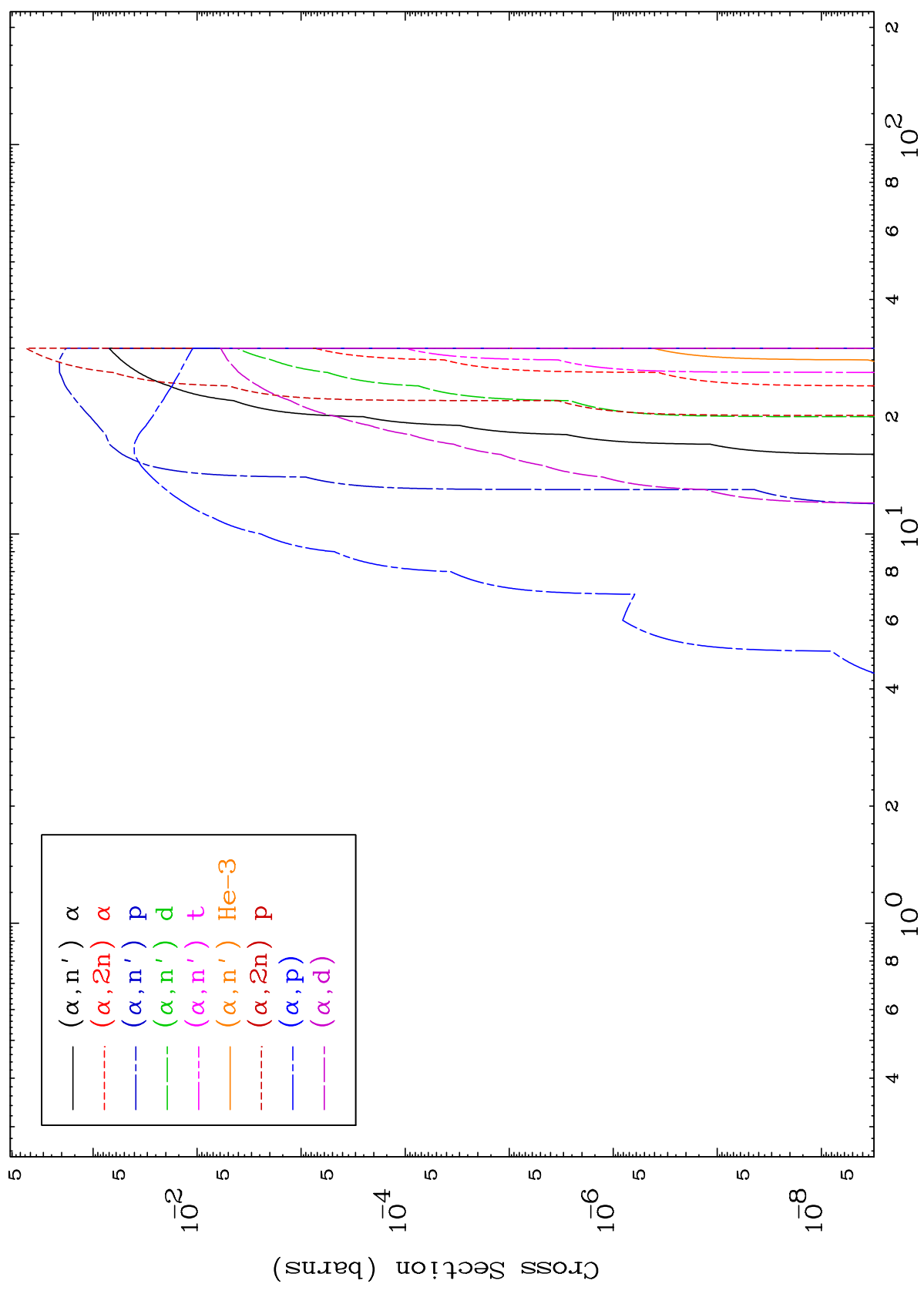
35-Br-79

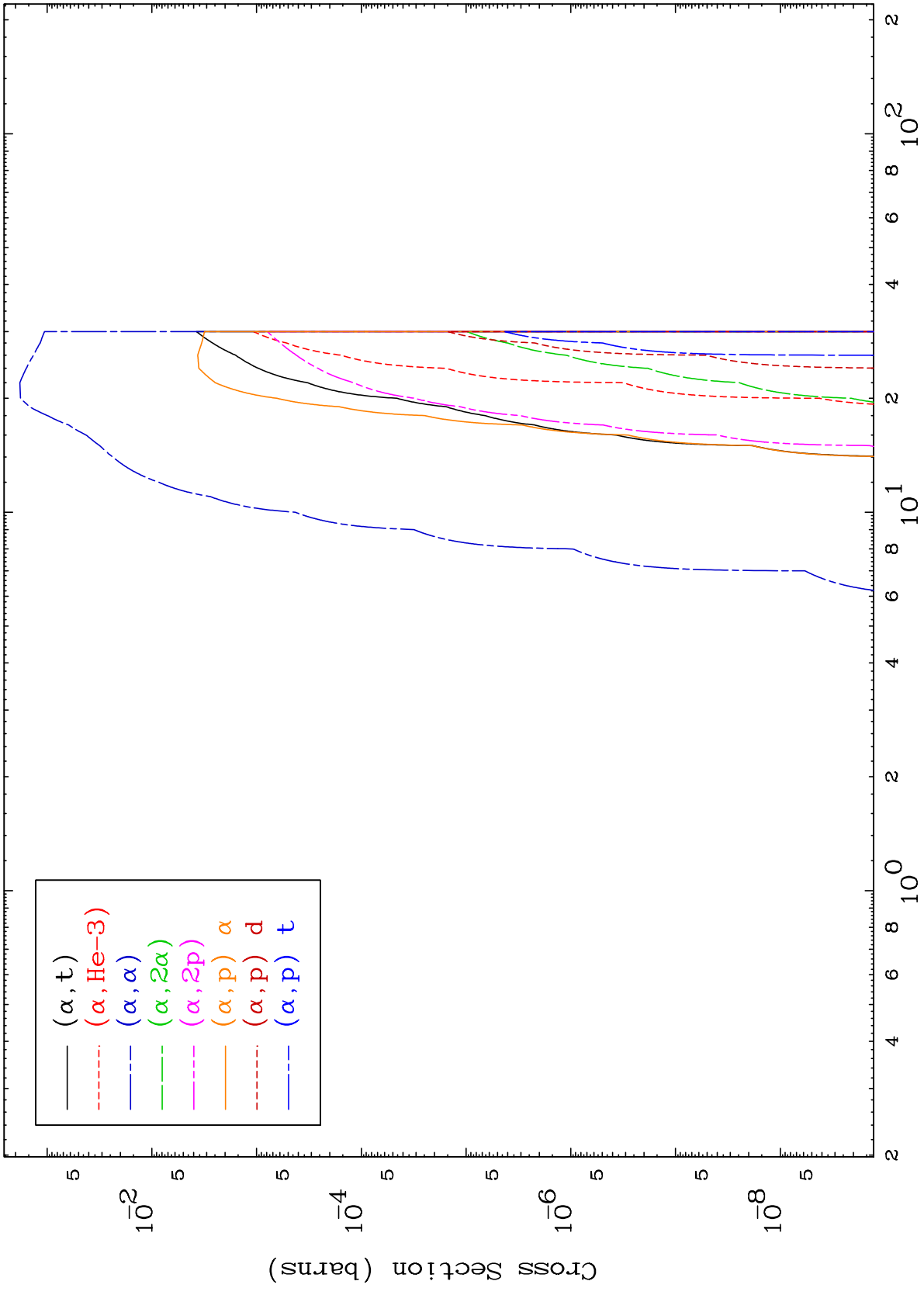


2

Incident Energy (MeV)

35-Br-79

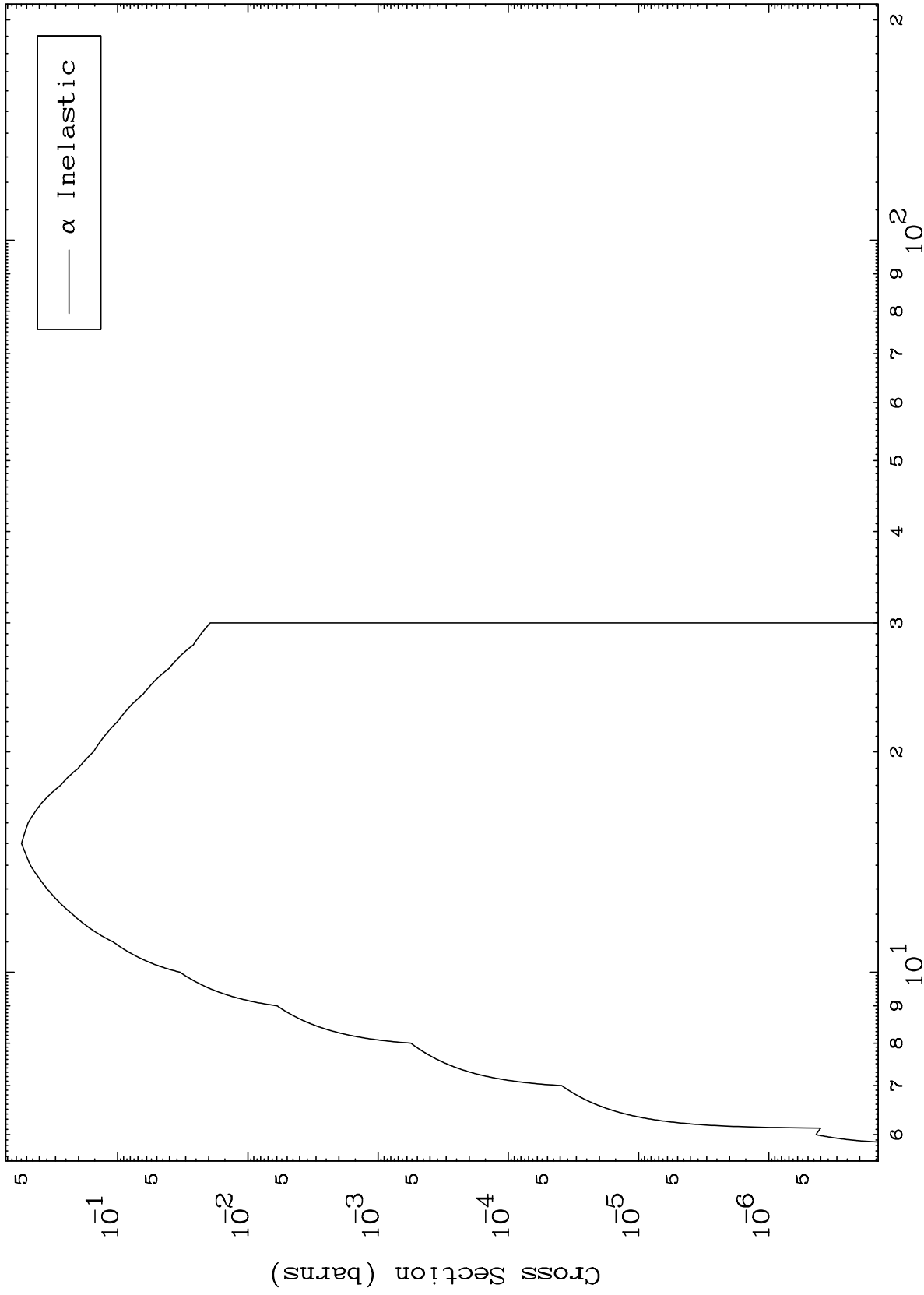




MAT 3525

(α, n') Level
0 Kelvin Cross Sections

35-Br-79



5

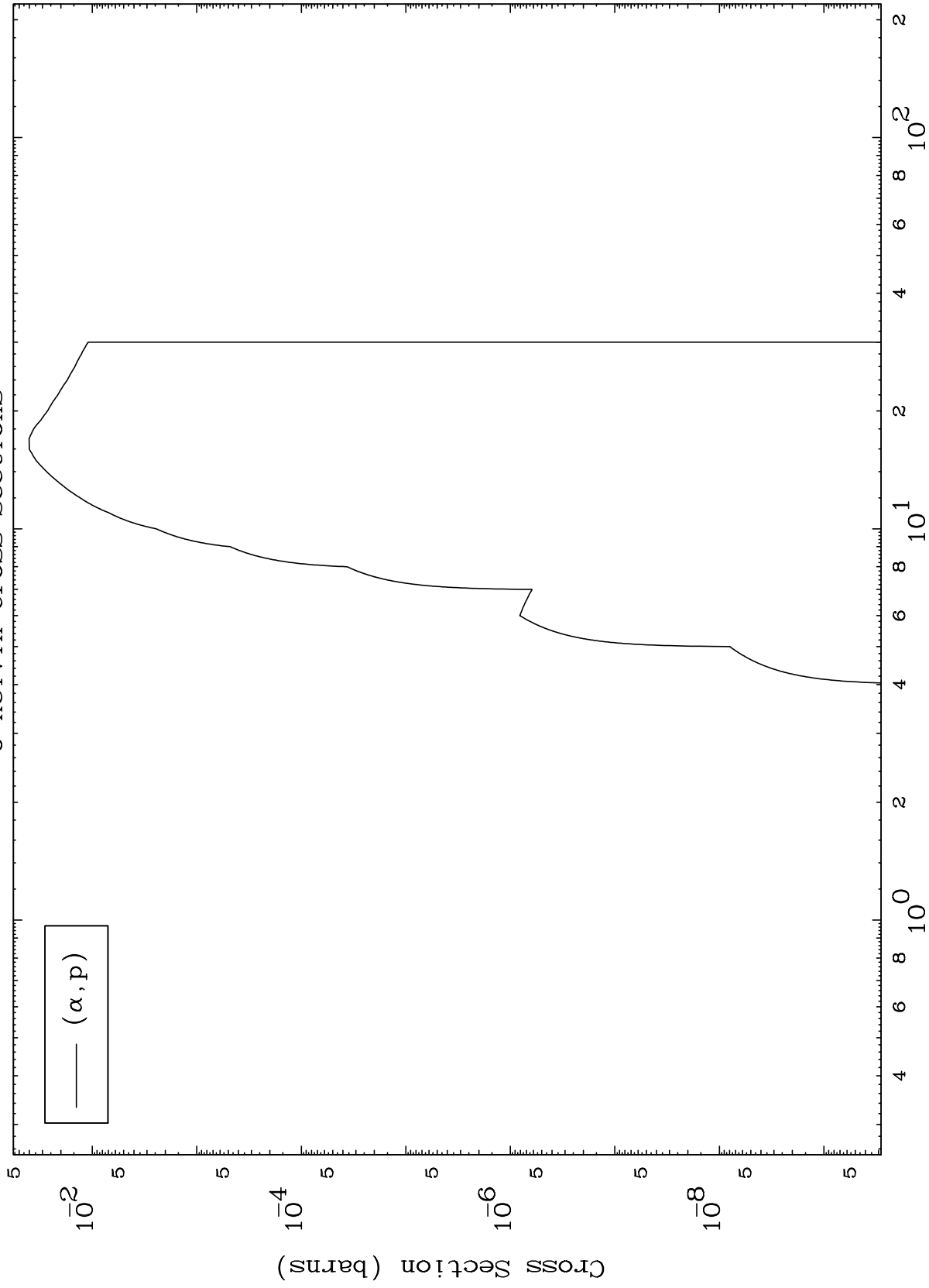
Incident Energy (MeV)

35-Br-79

MAT 3525

35-Br-79

(α, p) Levels
0 Kelvin Cross Sections



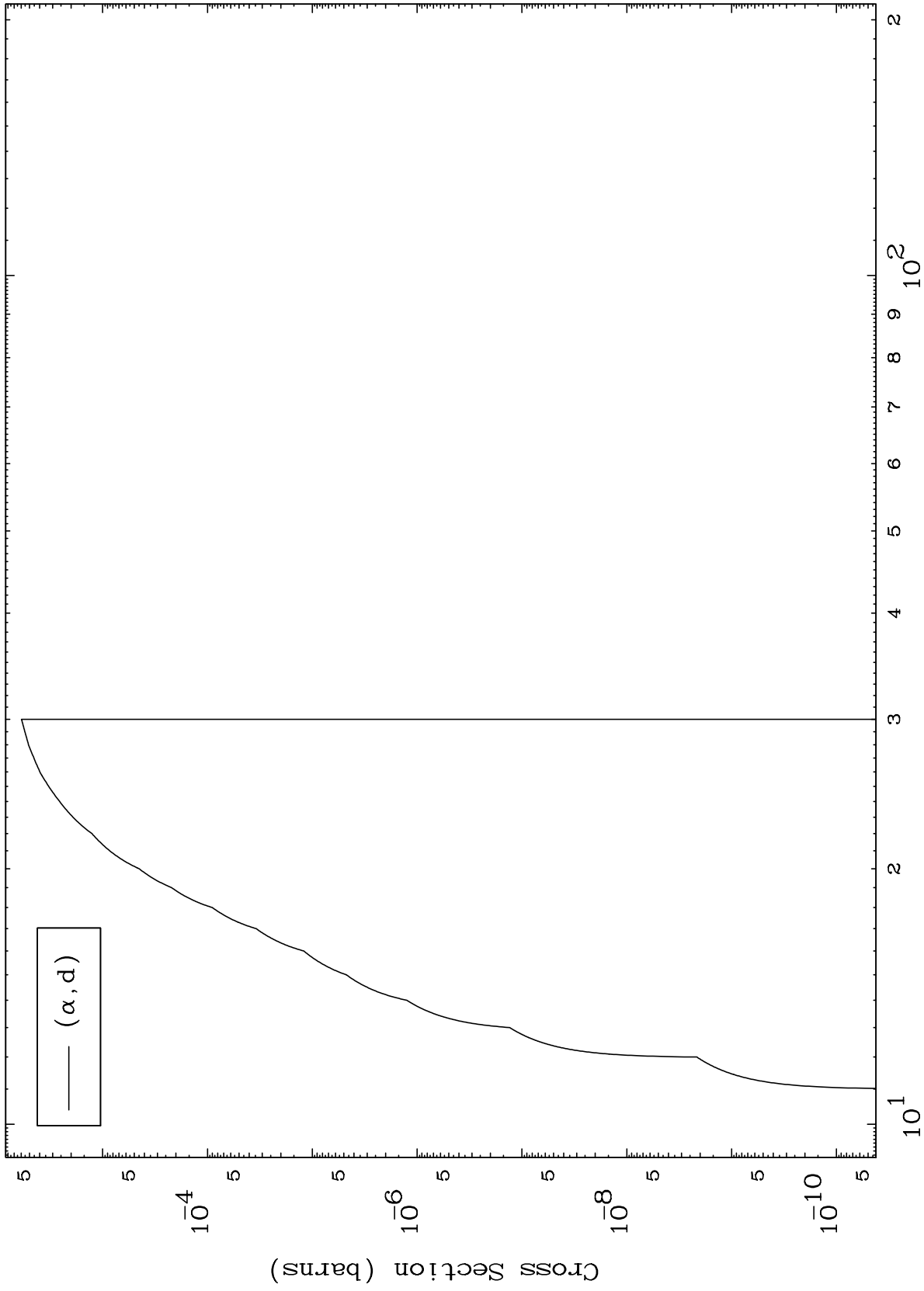
6

35-Br-79

MAT 3525

(α, d) Levels
0 Kelvin Cross Sections

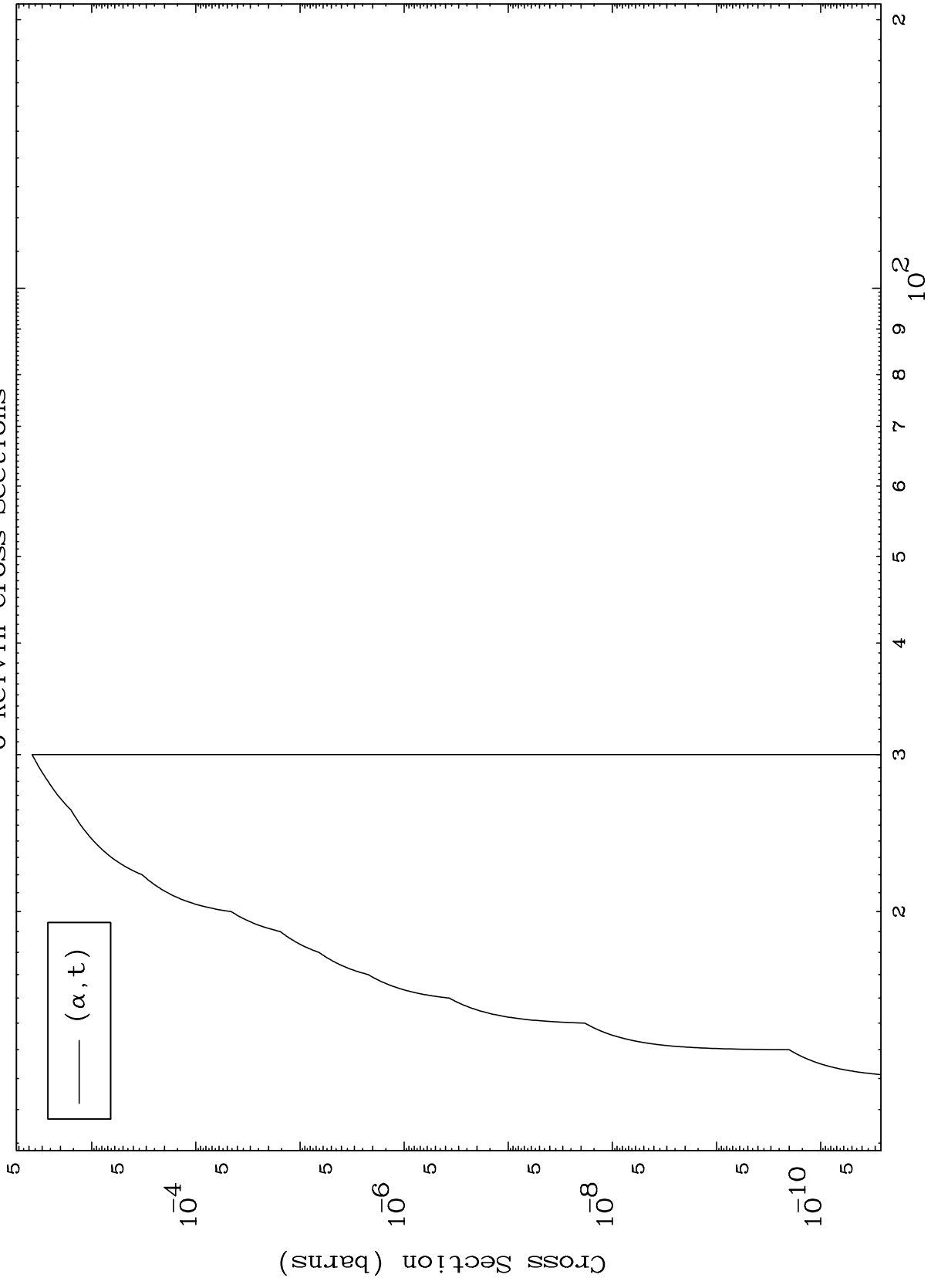
35-Br-79

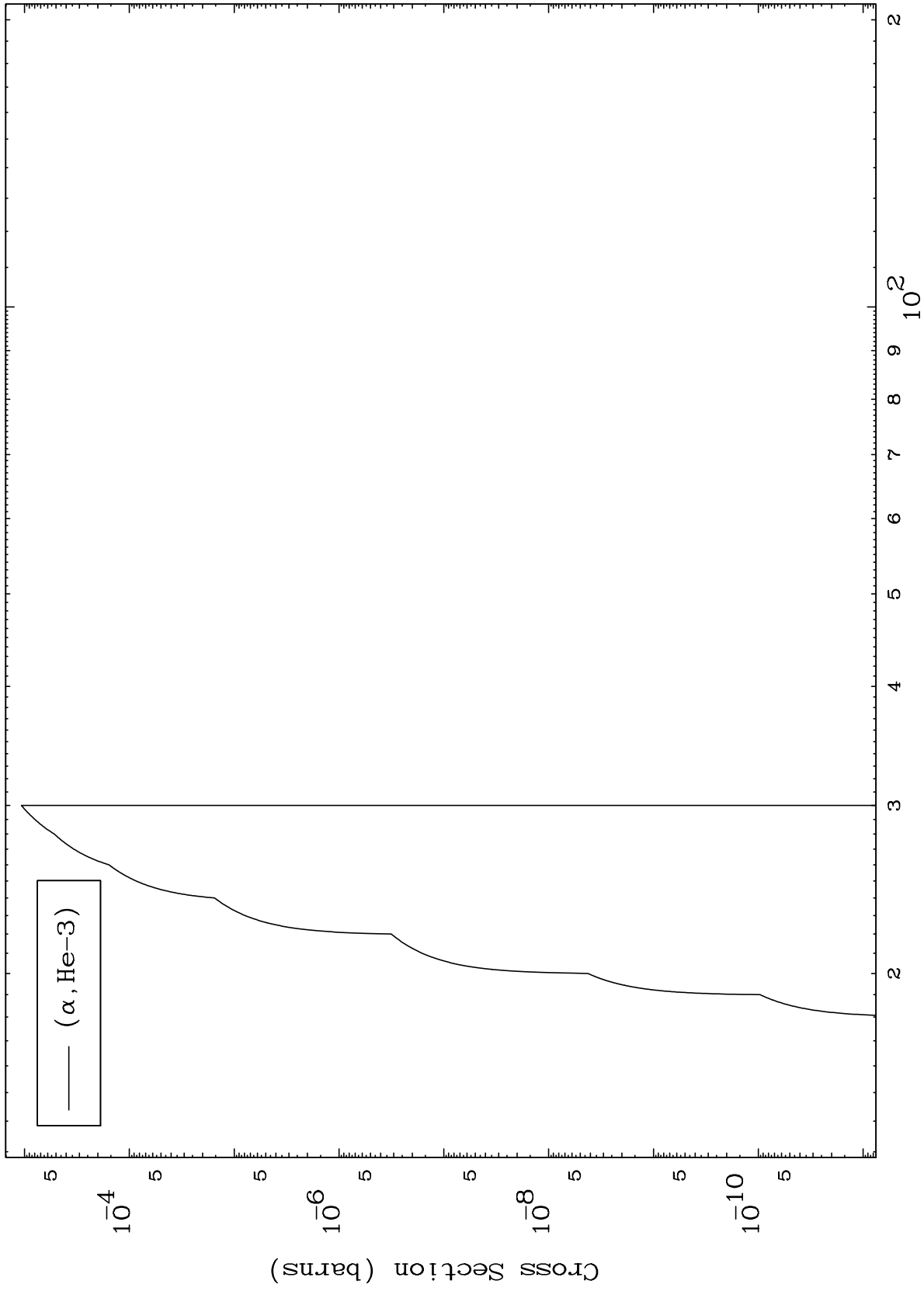


7

Incident Energy (MeV)

35-Br-79

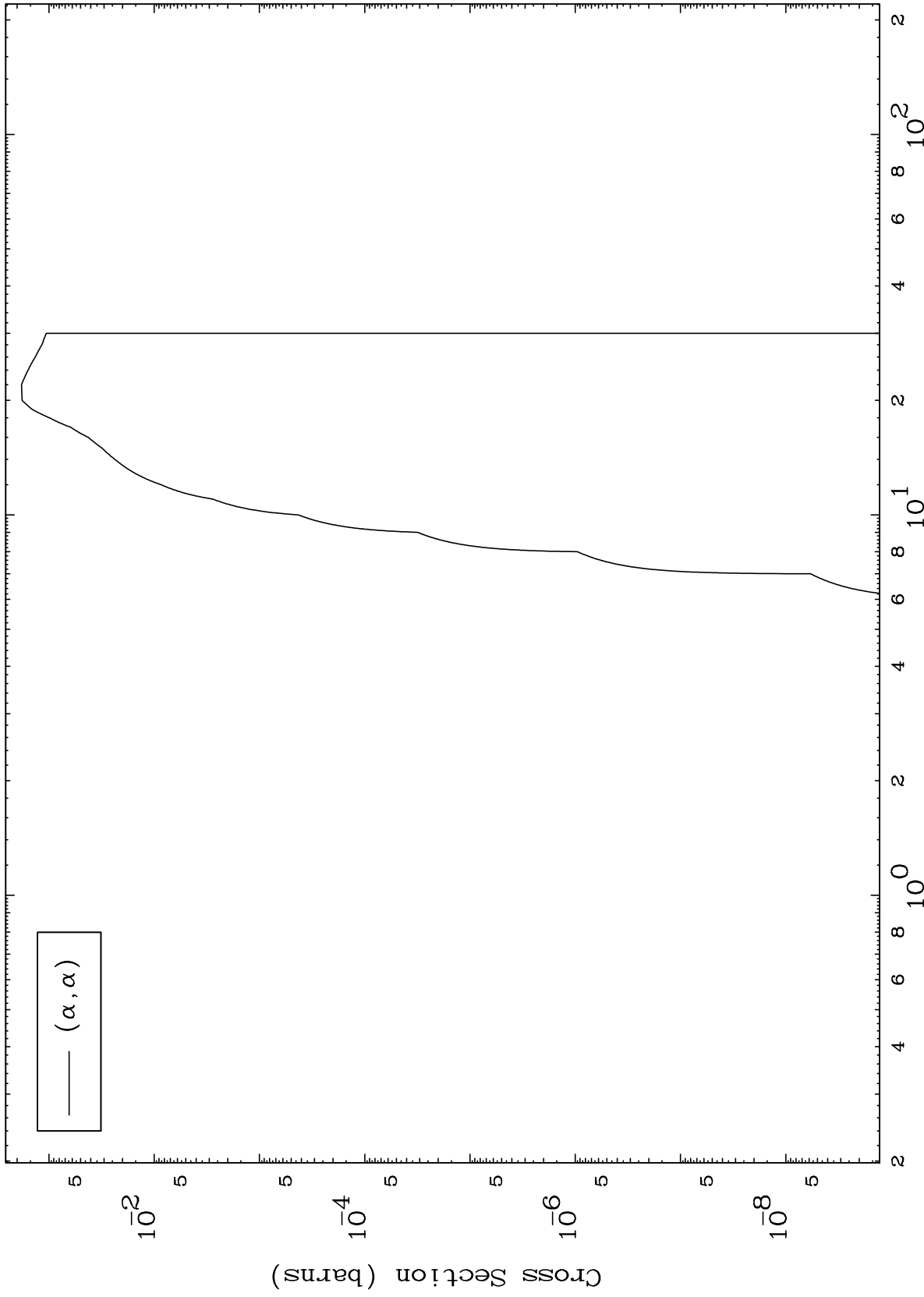




MAT 3525

35-Br-79

(α, α) Levels
0 Kelvin Cross Sections



10

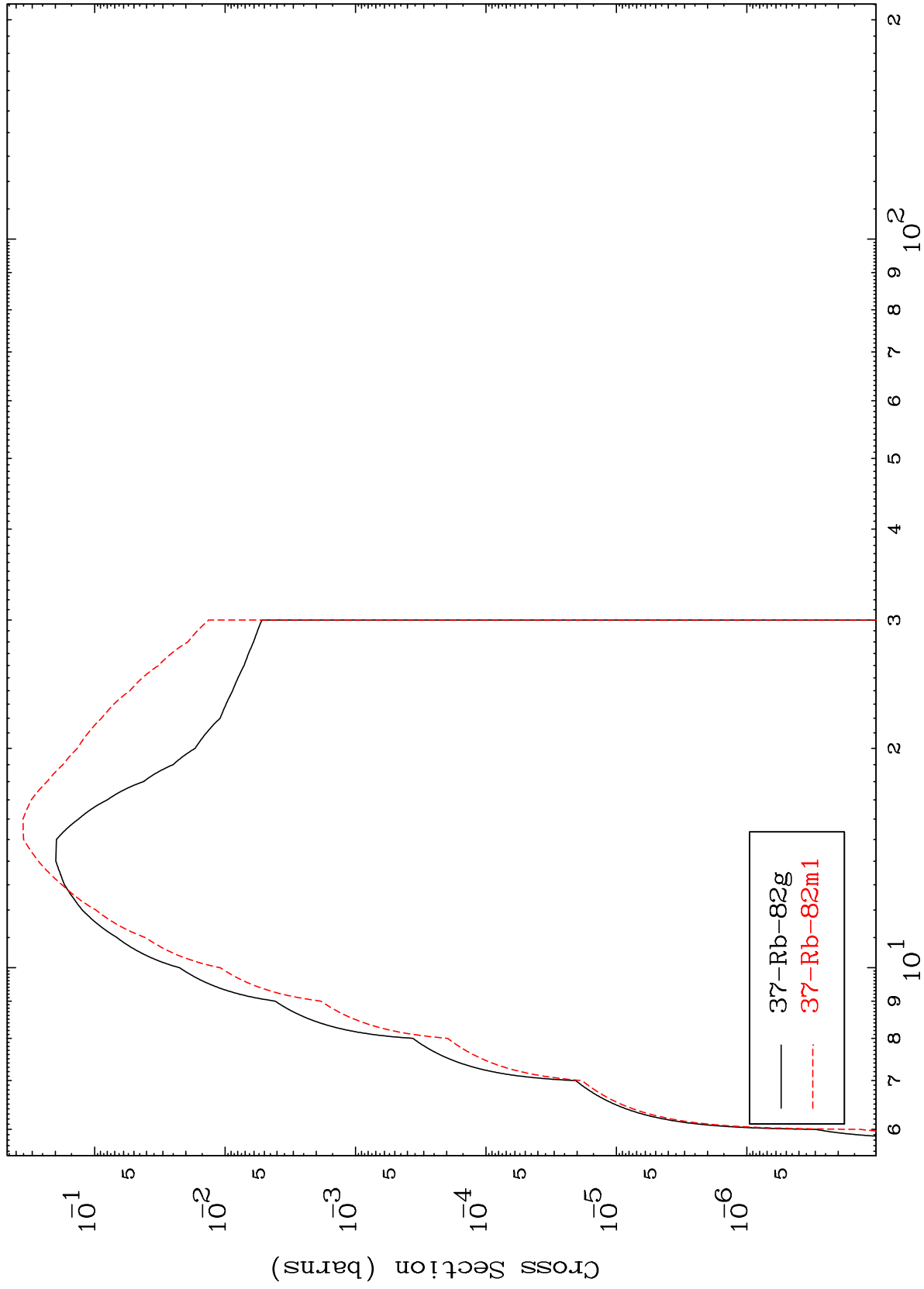
Incident Energy (MeV)

35-Br-79

MAT 3525

35-Br-79

α Inelastic
Radionuclide Production Cross Section



11

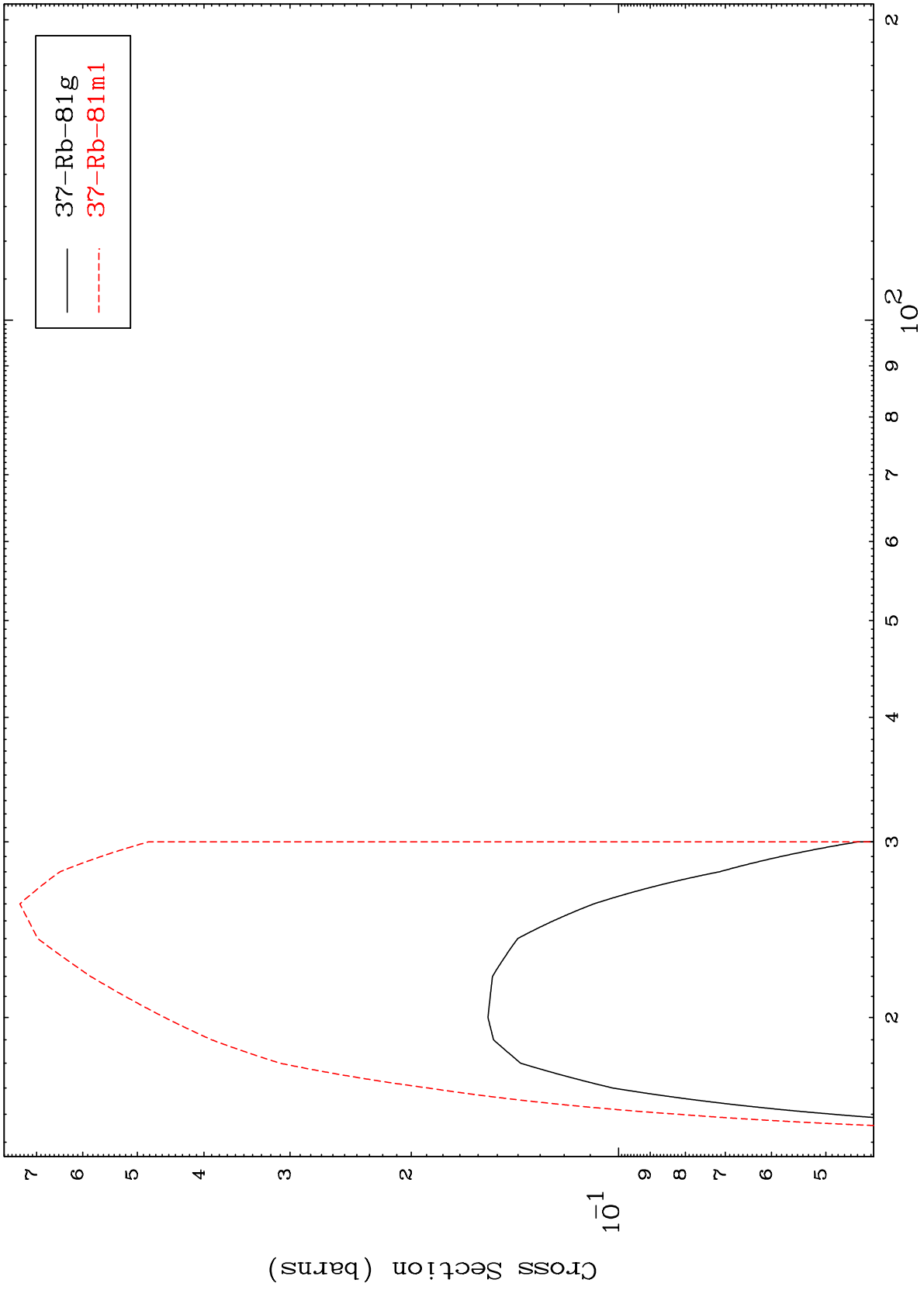
Incident Energy (MeV)

35-Br-79

MAT 3525

³⁵Br-79

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



12

Incident Energy (MeV)

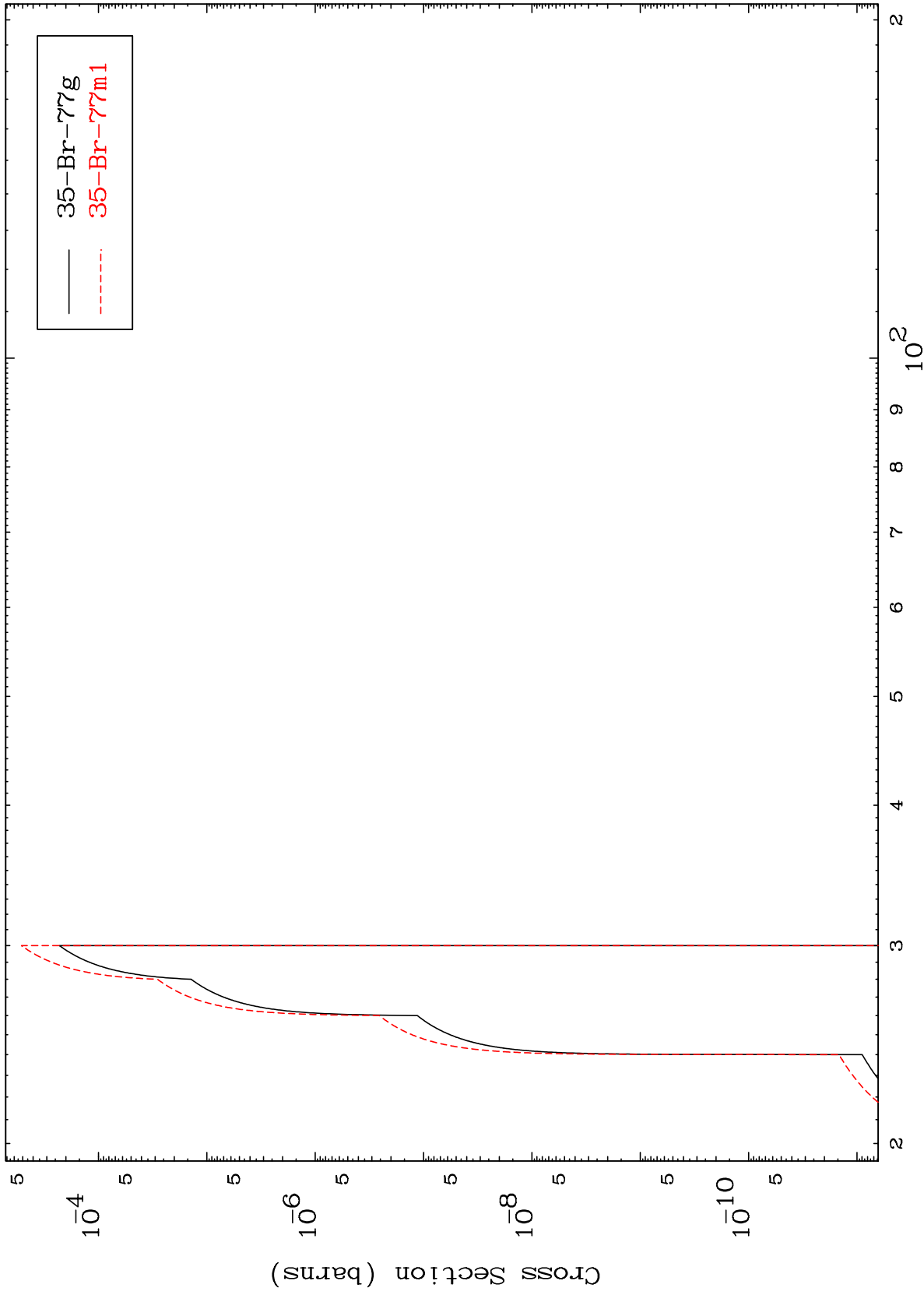
³⁵Br-79

MAT 3525

$(\alpha, 2n) \alpha$

$^{35}\text{Br-79}$

Radionuclide Production Cross Section



13

Incident Energy (MeV)

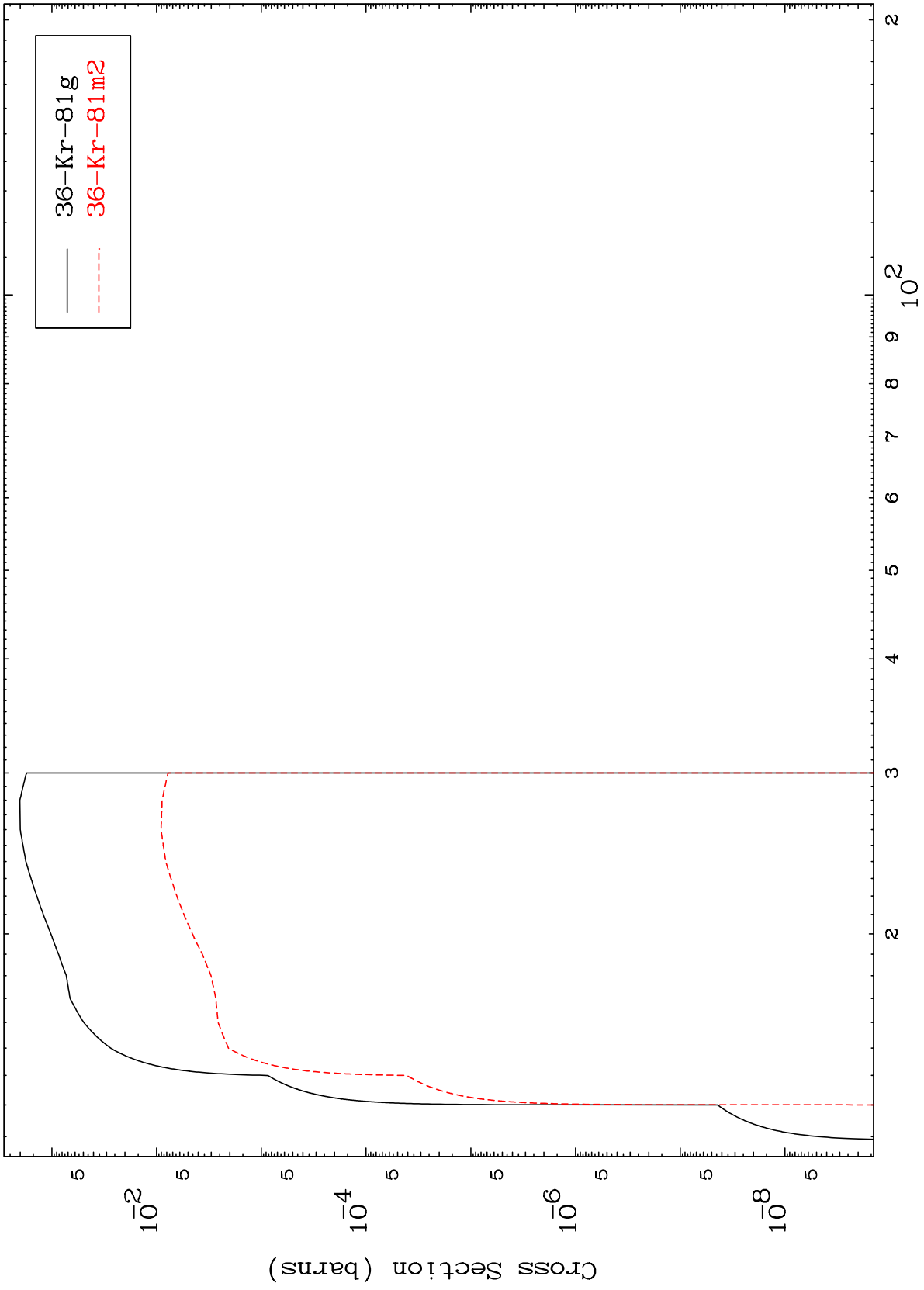
$^{35}\text{Br-79}$

MAT 3525

(α, n') p

35-Br-79

Radionuclide Production Cross Section



14

Incident Energy (MeV)

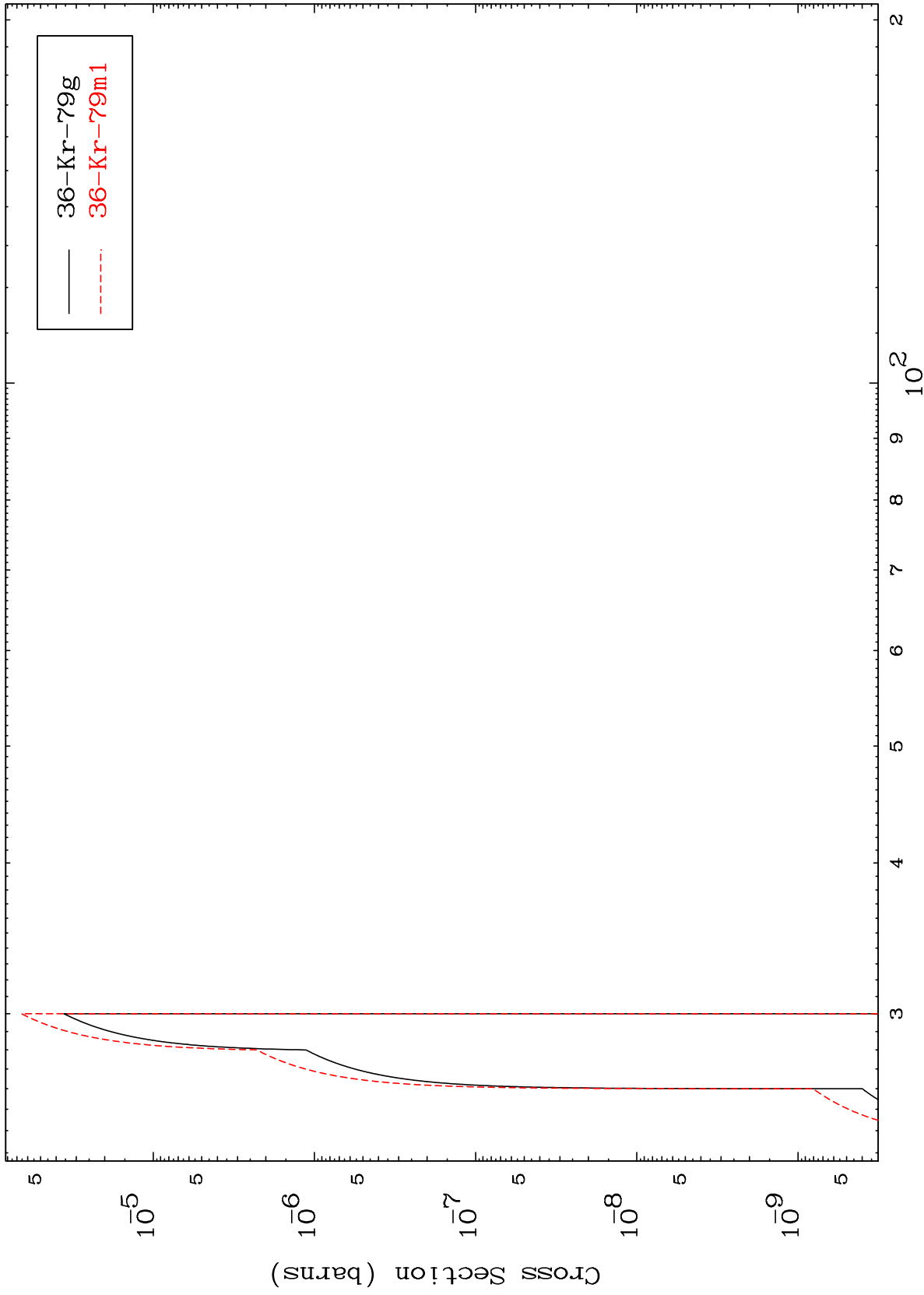
35-Br-79

MAT 3525

(α, n') t

35-Br-79

Radionuclide Production Cross Section



15

Incident Energy (MeV)

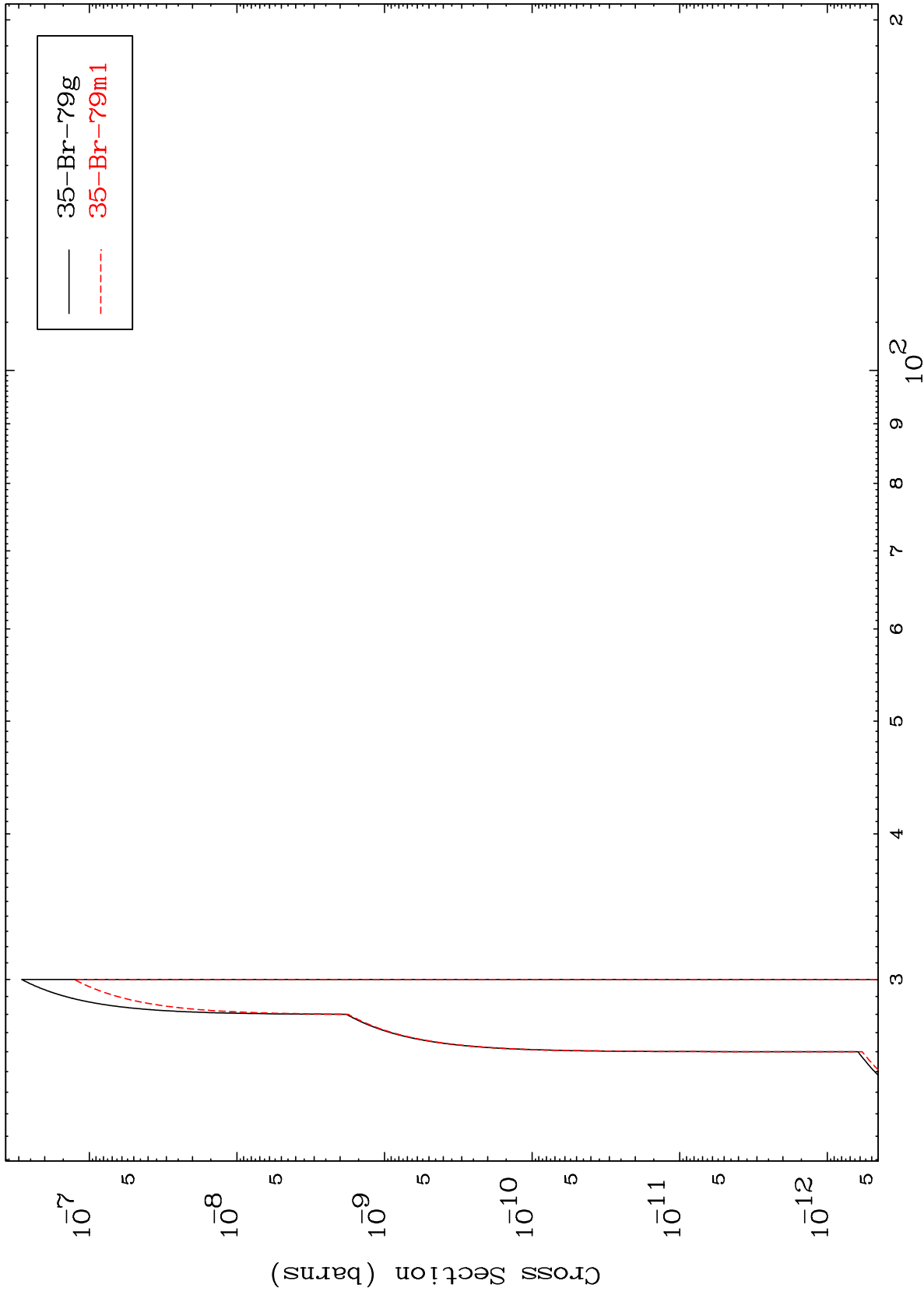
35-Br-79

MAT 3525

(α, n') He-3

³⁵Br-79

Radionuclide Production Cross Section



16

Incident Energy (MeV)

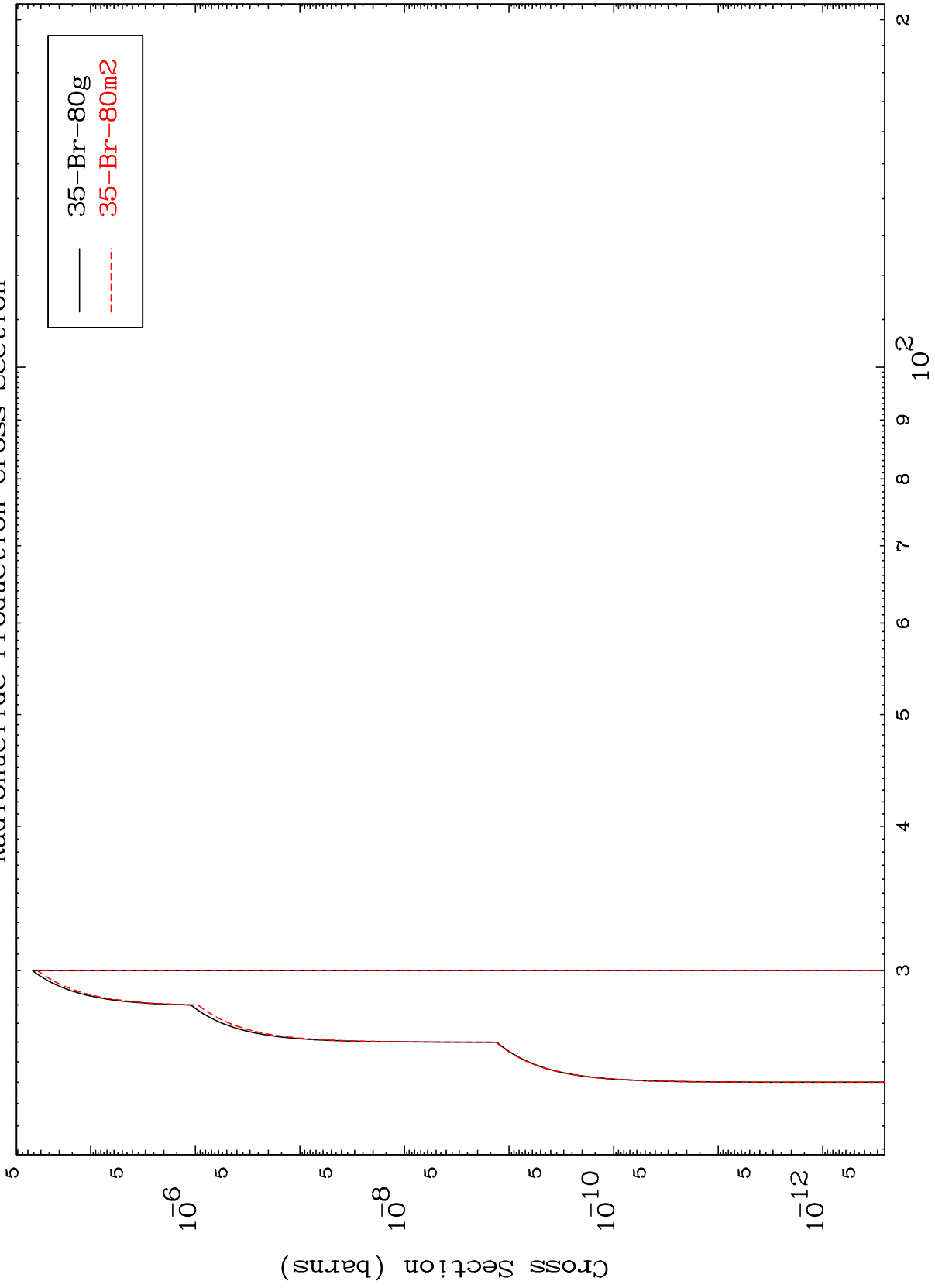
³⁵Br-79

MAT 3525

$(\alpha, 2n)$ p

$^{35}\text{Br-79}$

Radionuclide Production Cross Section



17

Incident Energy (MeV)

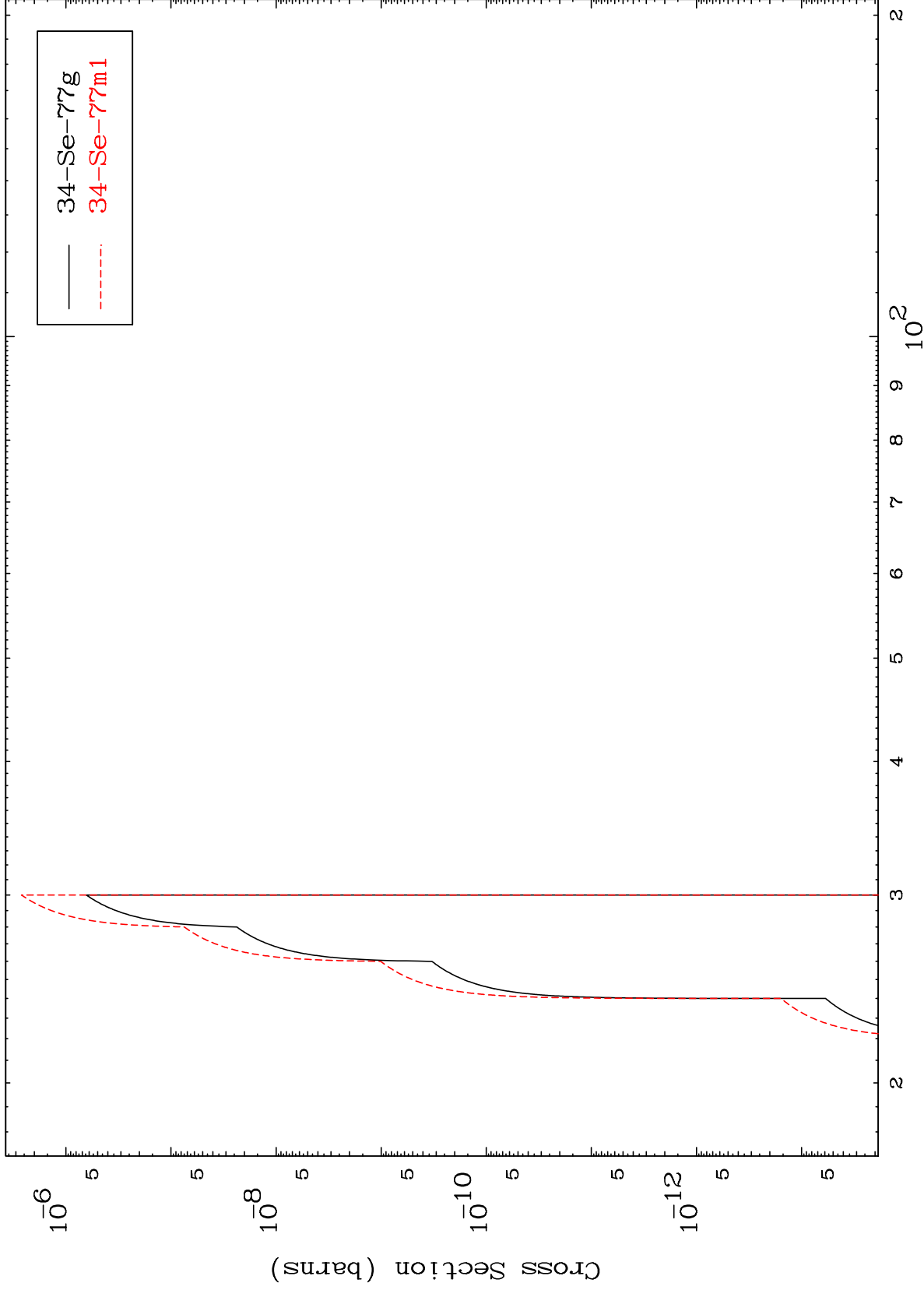
$^{35}\text{Br-79}$

MAT 3525

(α, n') p α

35-Br-79

Radionuclide Production Cross Section



18

Incident Energy (MeV)

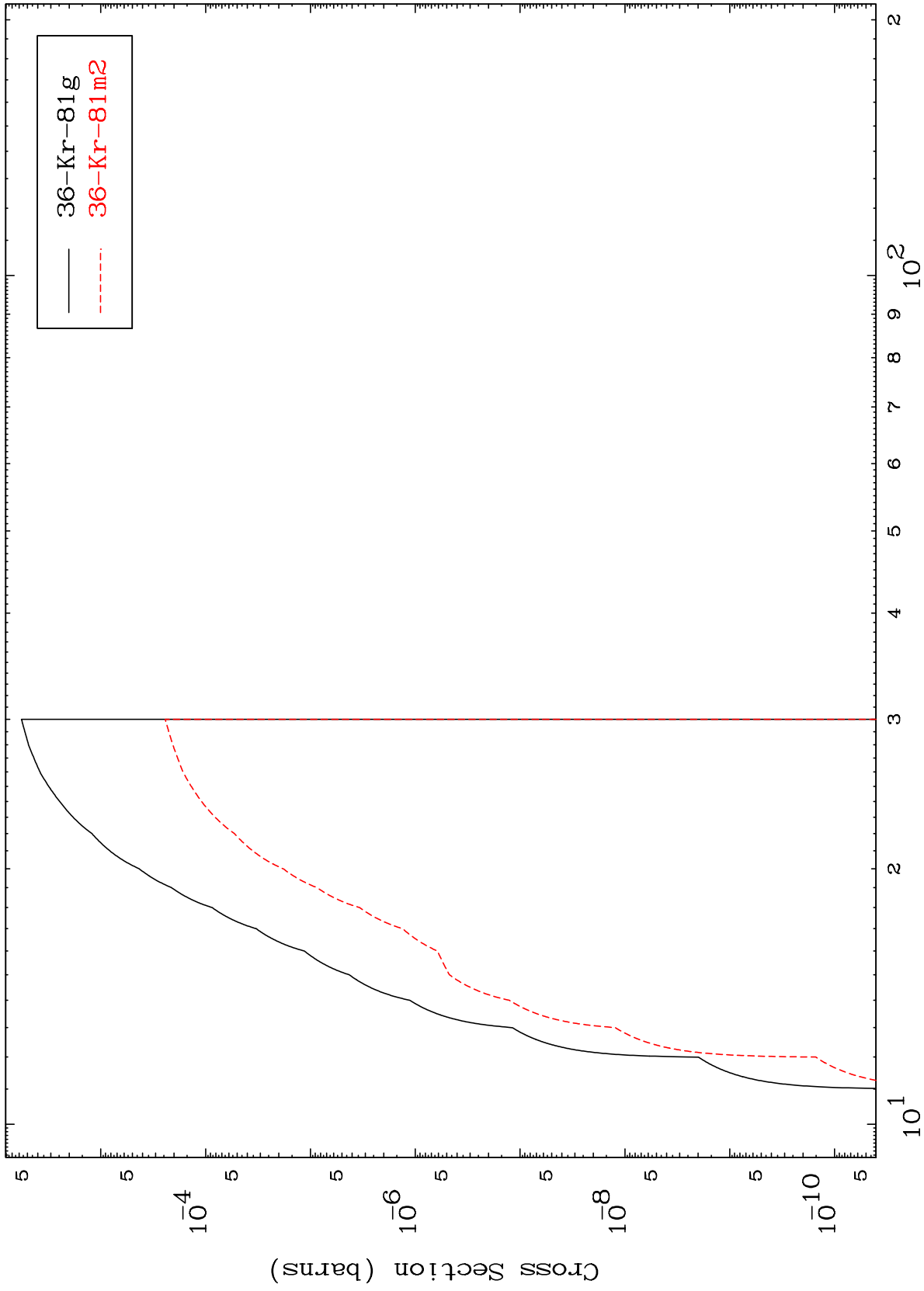
35-Br-79

MAT 3525

(α, d)

35-Br-79

Radionuclide Production Cross Section



Incident Energy (MeV)

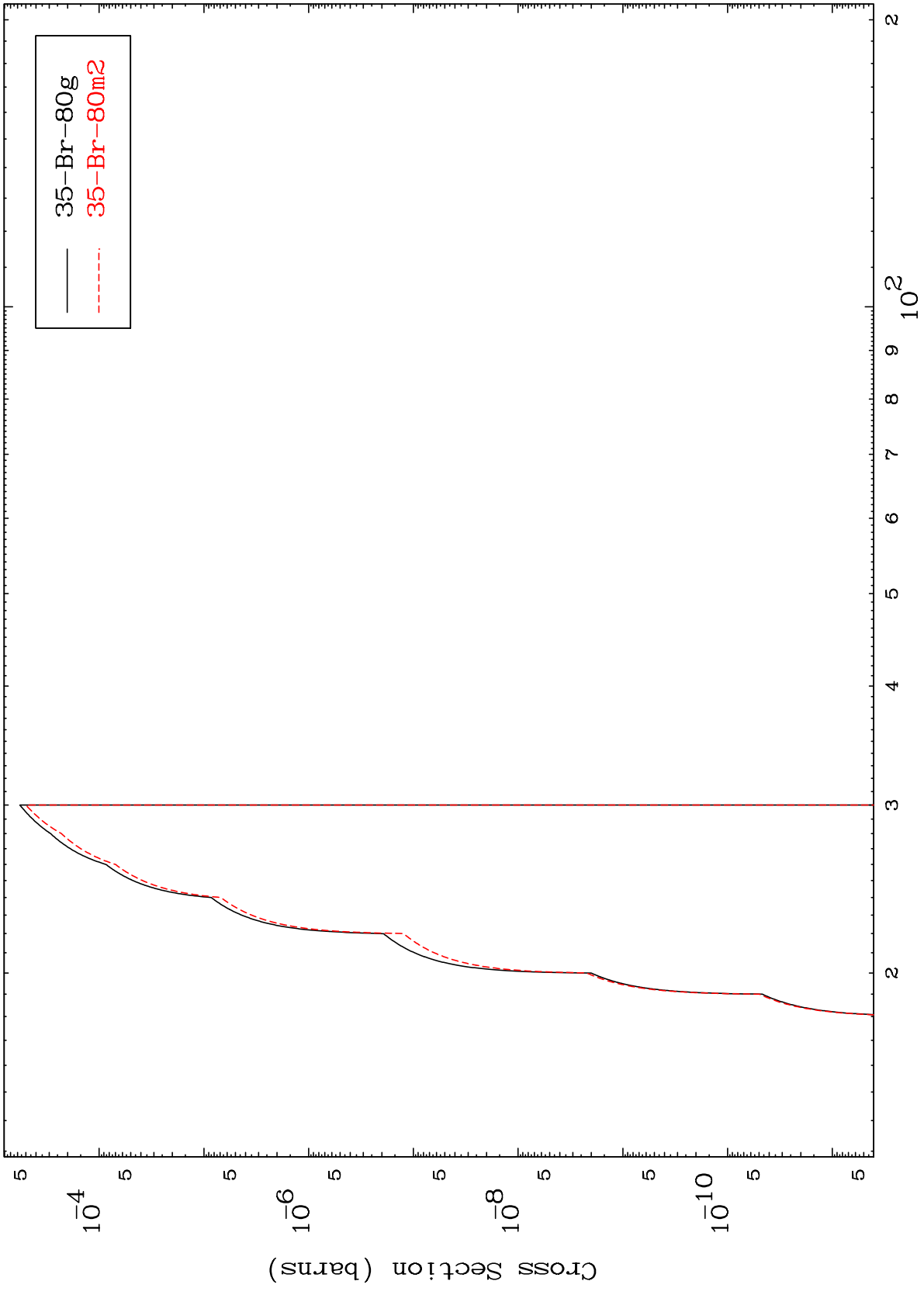
35-Br-79

MAT 3525

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

$^{35}\text{Br-79}$

Radionuclide Production Cross Section



20

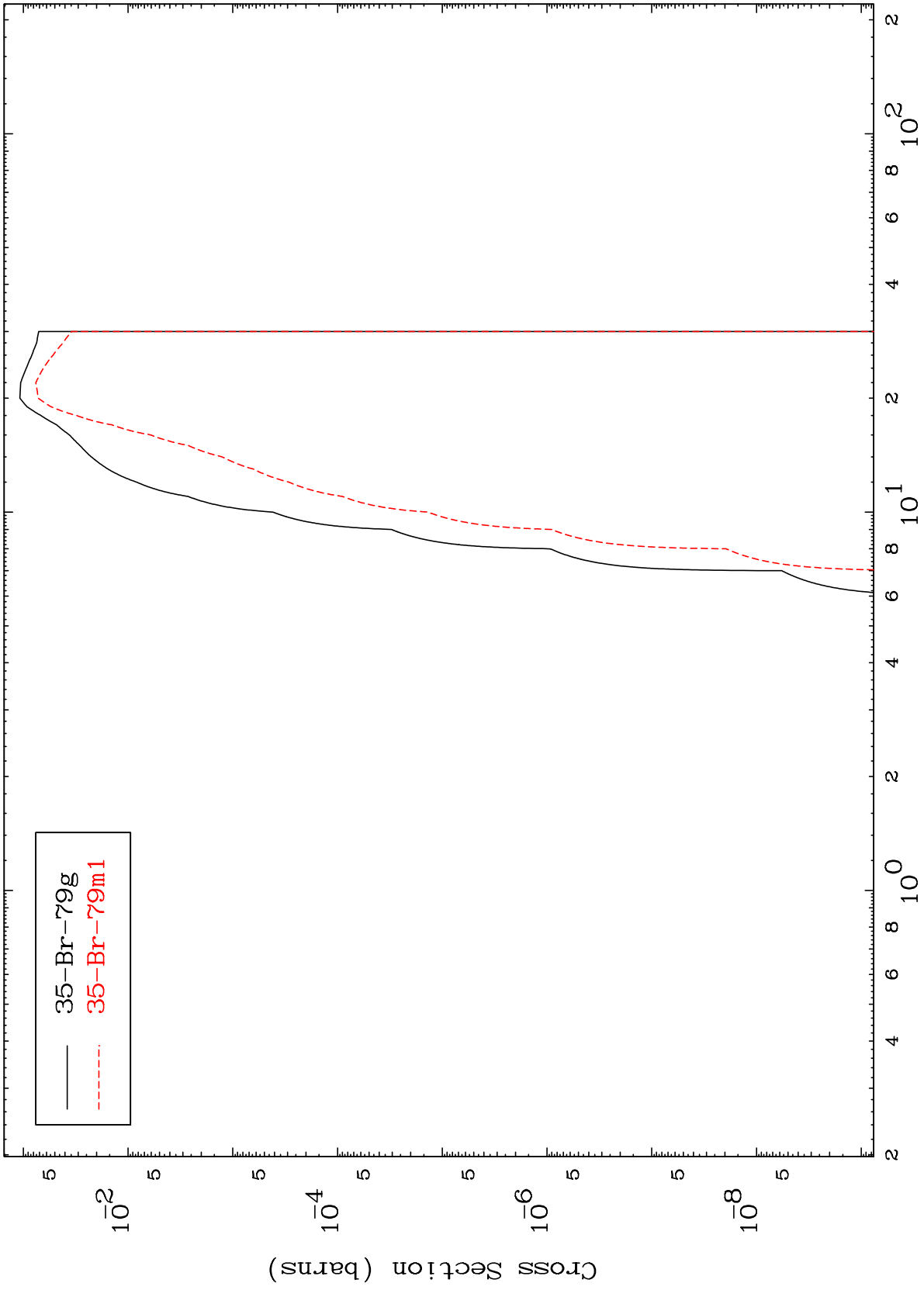
Incident Energy (MeV)

$^{35}\text{Br-79}$

MAT 3525

35-Br-79

(α, α)
Radionuclide Production Cross Section



21

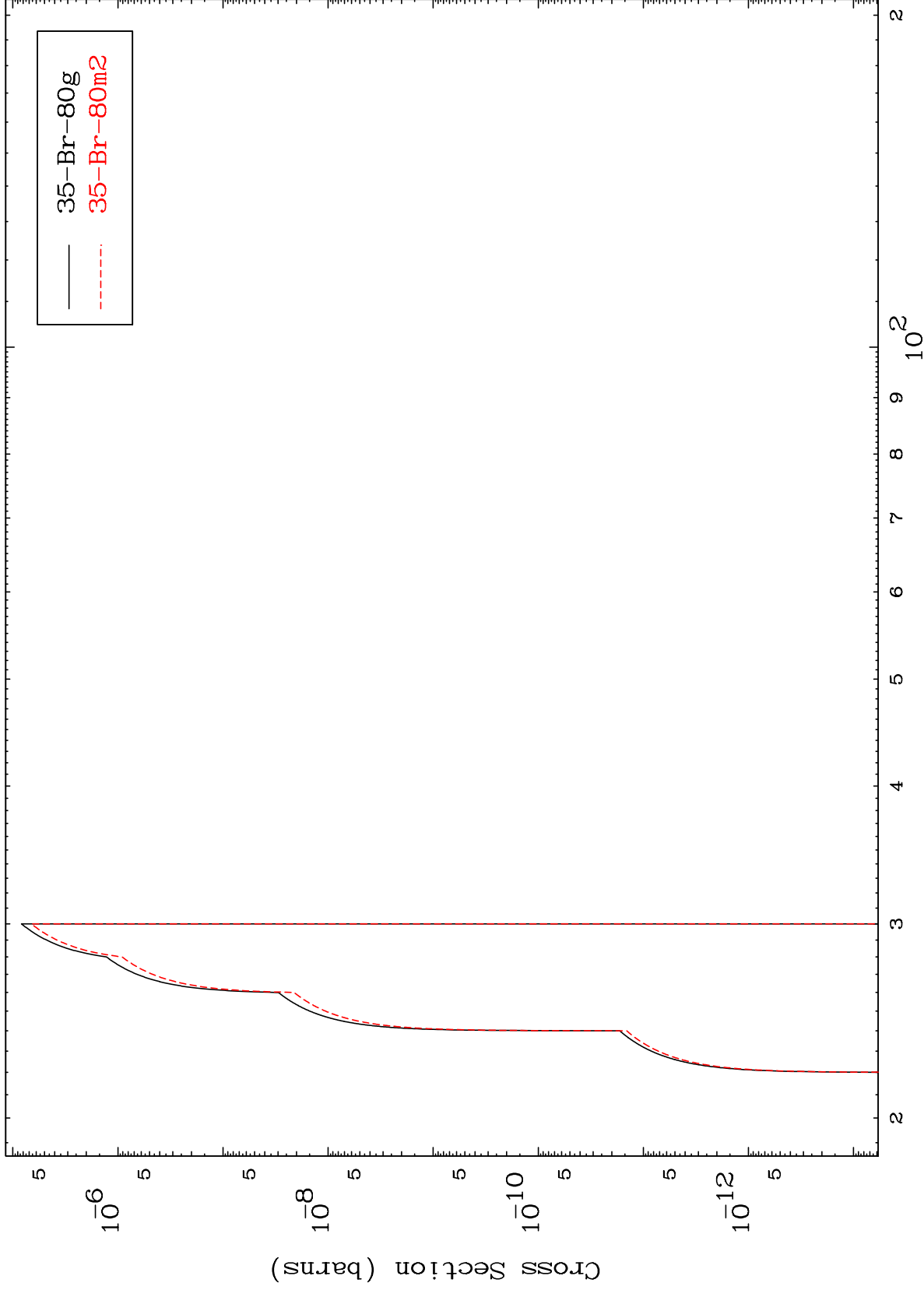
35-Br-79

MAT 3525

(α, p) d

35-Br-79

Radionuclide Production Cross Section



22

Incident Energy (MeV)

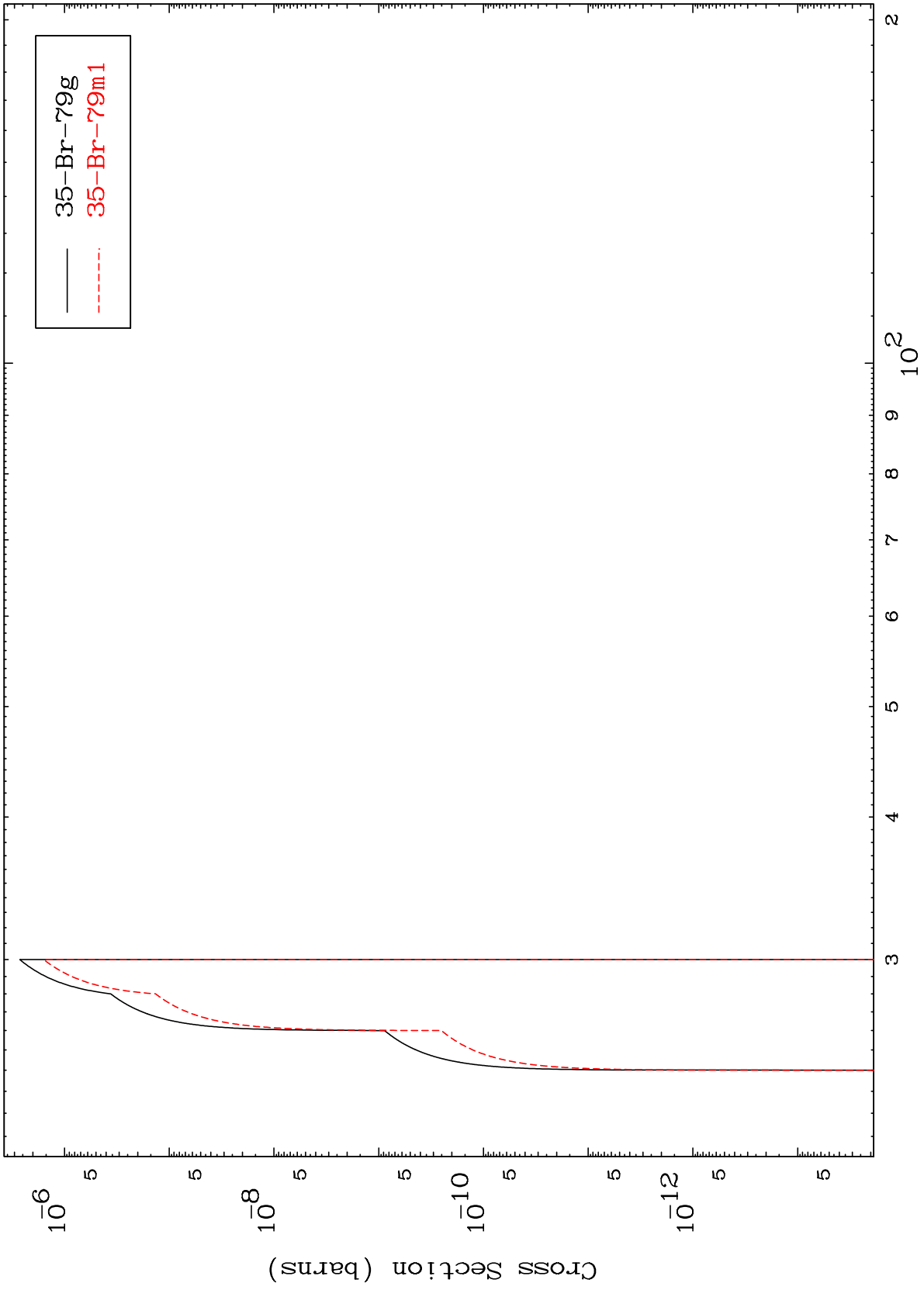
35-Br-79

MAT 3525

(α, p) t

³⁵Br-79

Radionuclide Production Cross Section



23

Incident Energy (MeV)

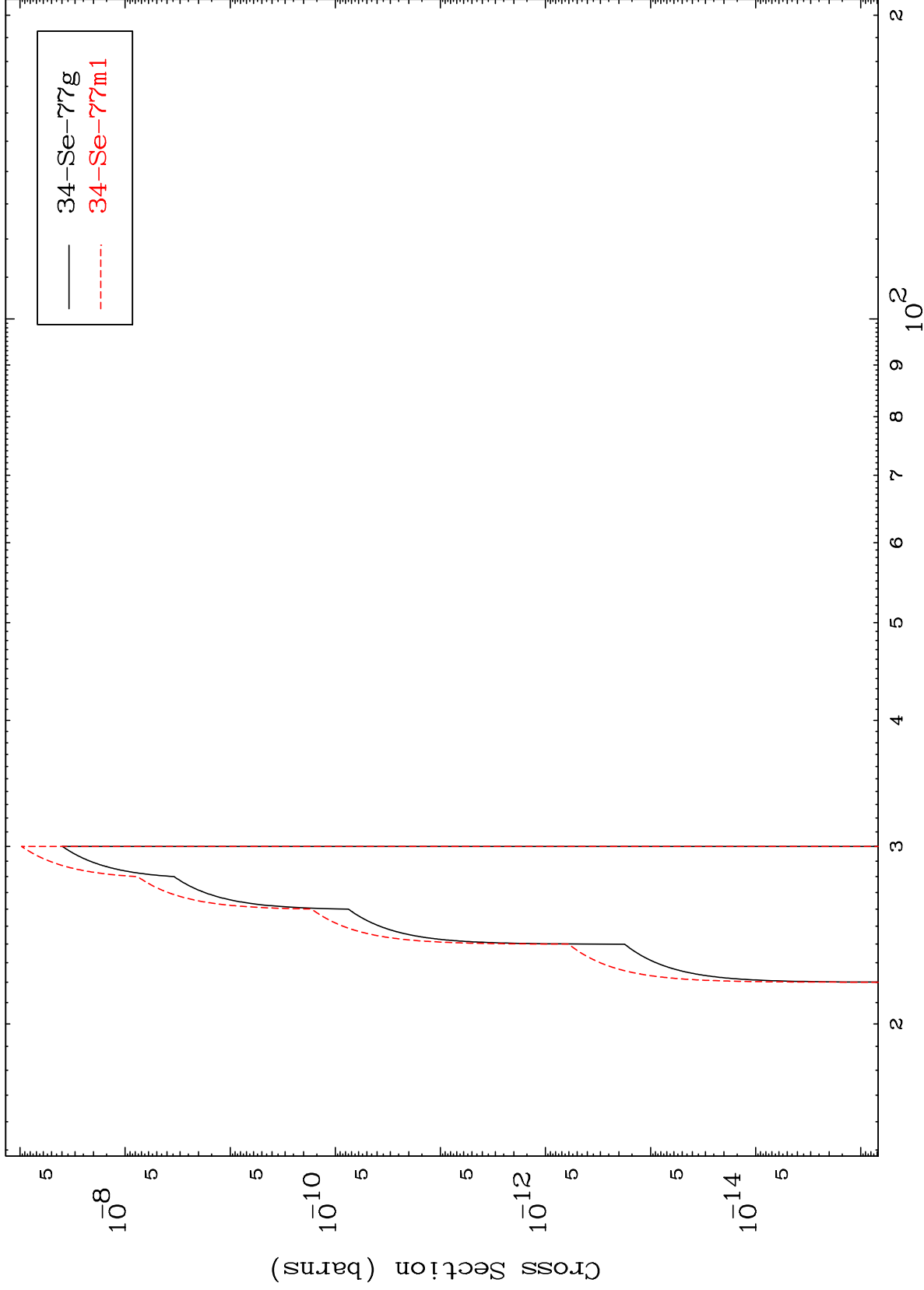
³⁵Br-79

MAT 3525

(α, d) α

35-Br-79

Radionuclide Production Cross Section



24

Incident Energy (MeV)

35-Br-79