

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

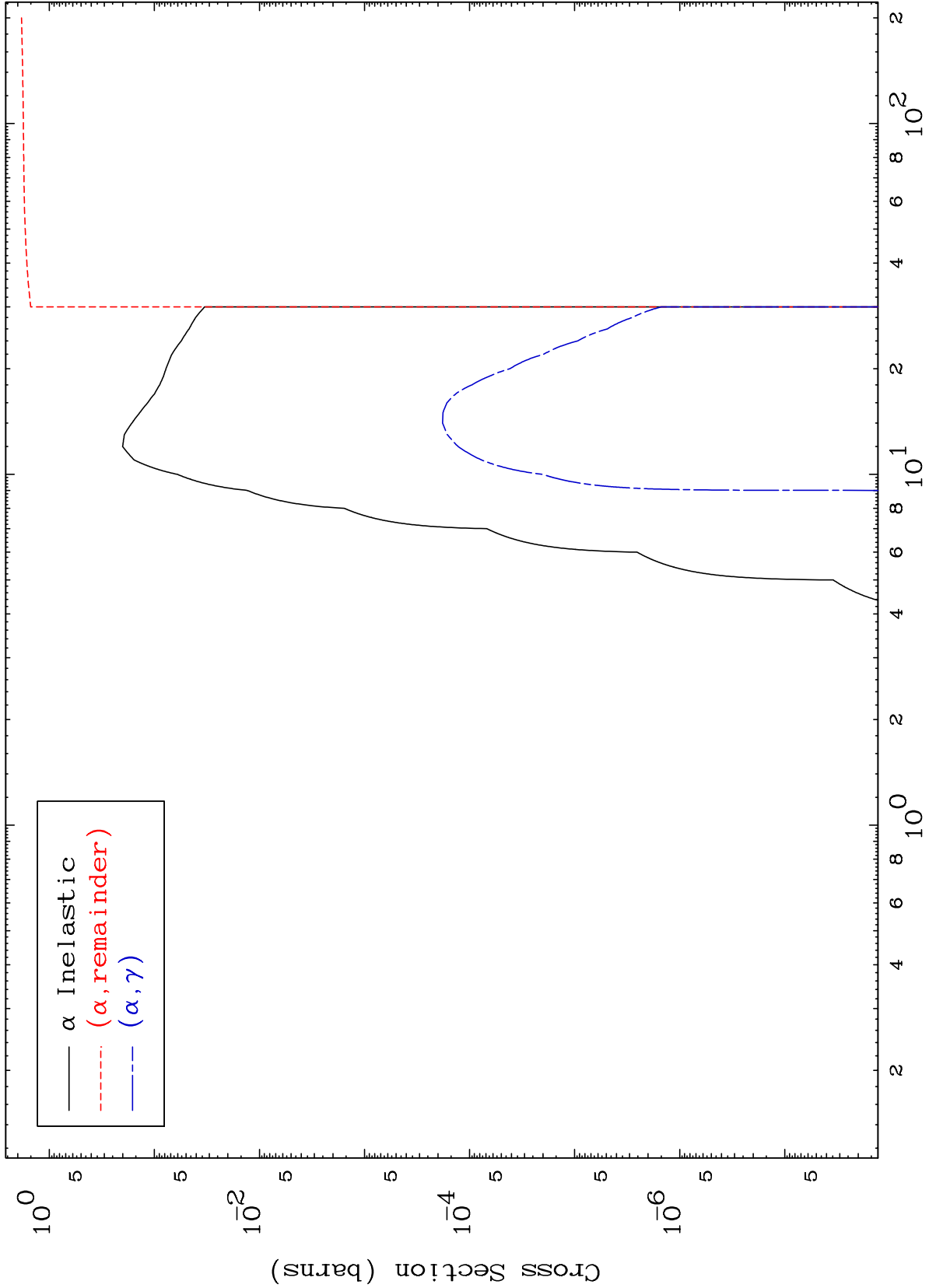
Press Mouse Button to Start

MAT 3446

α Major

$^{34}\text{Se-81}$

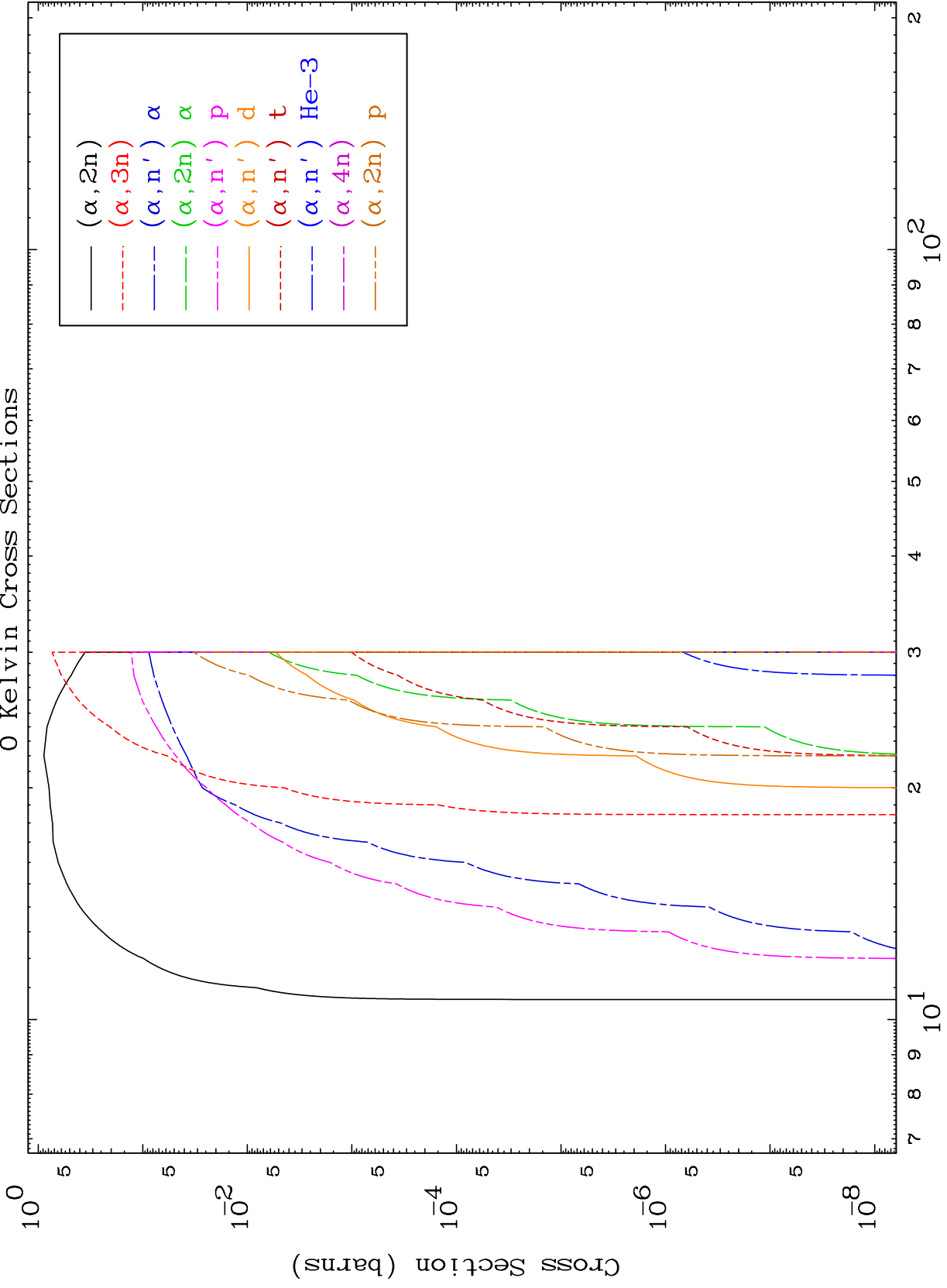
0 Kelvin Cross Sections



MAT 3446

α Neutron Production
0 Kelvin Cross Sections

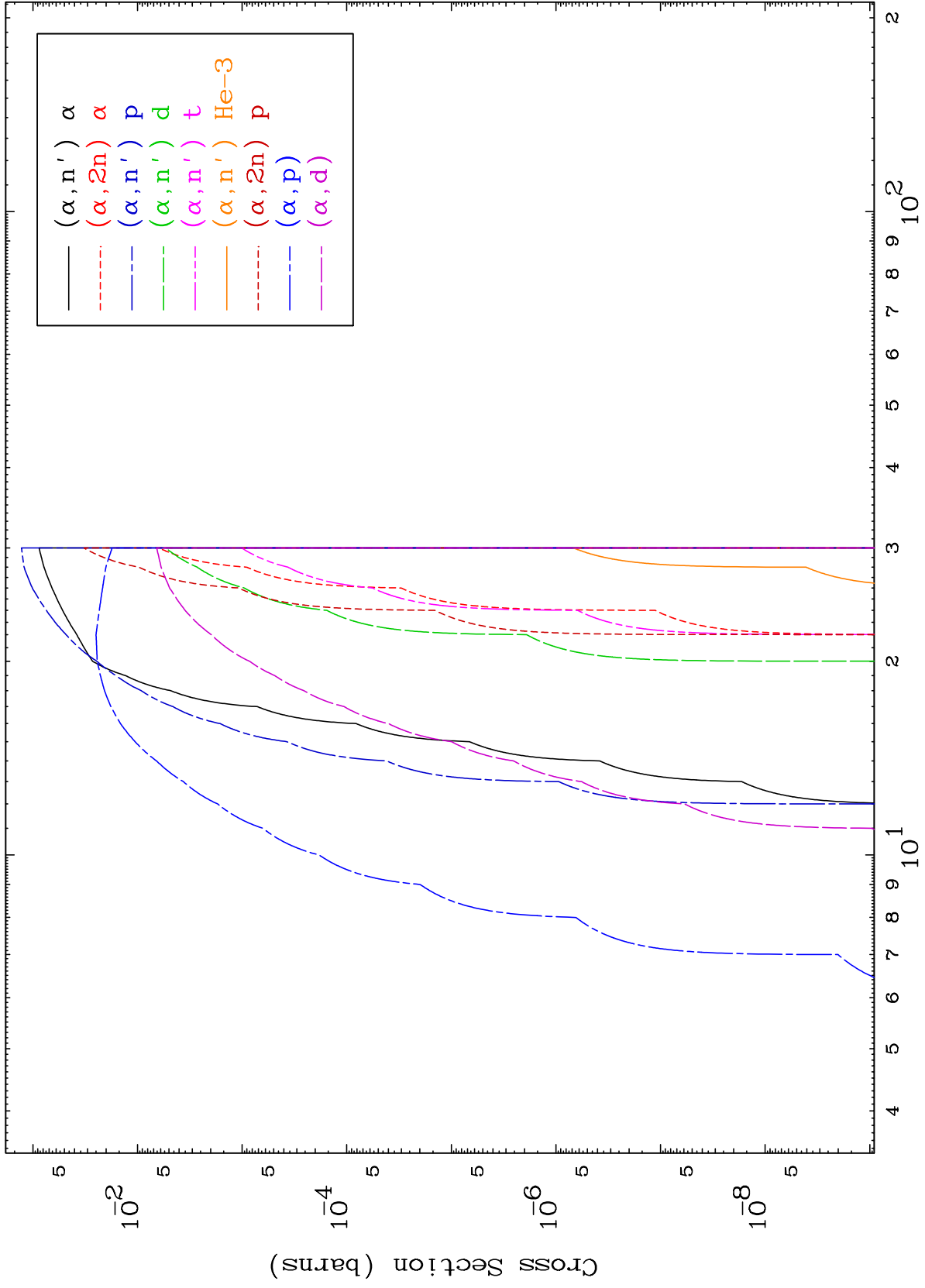
³⁴Se-81



2

Incident Energy (MeV)

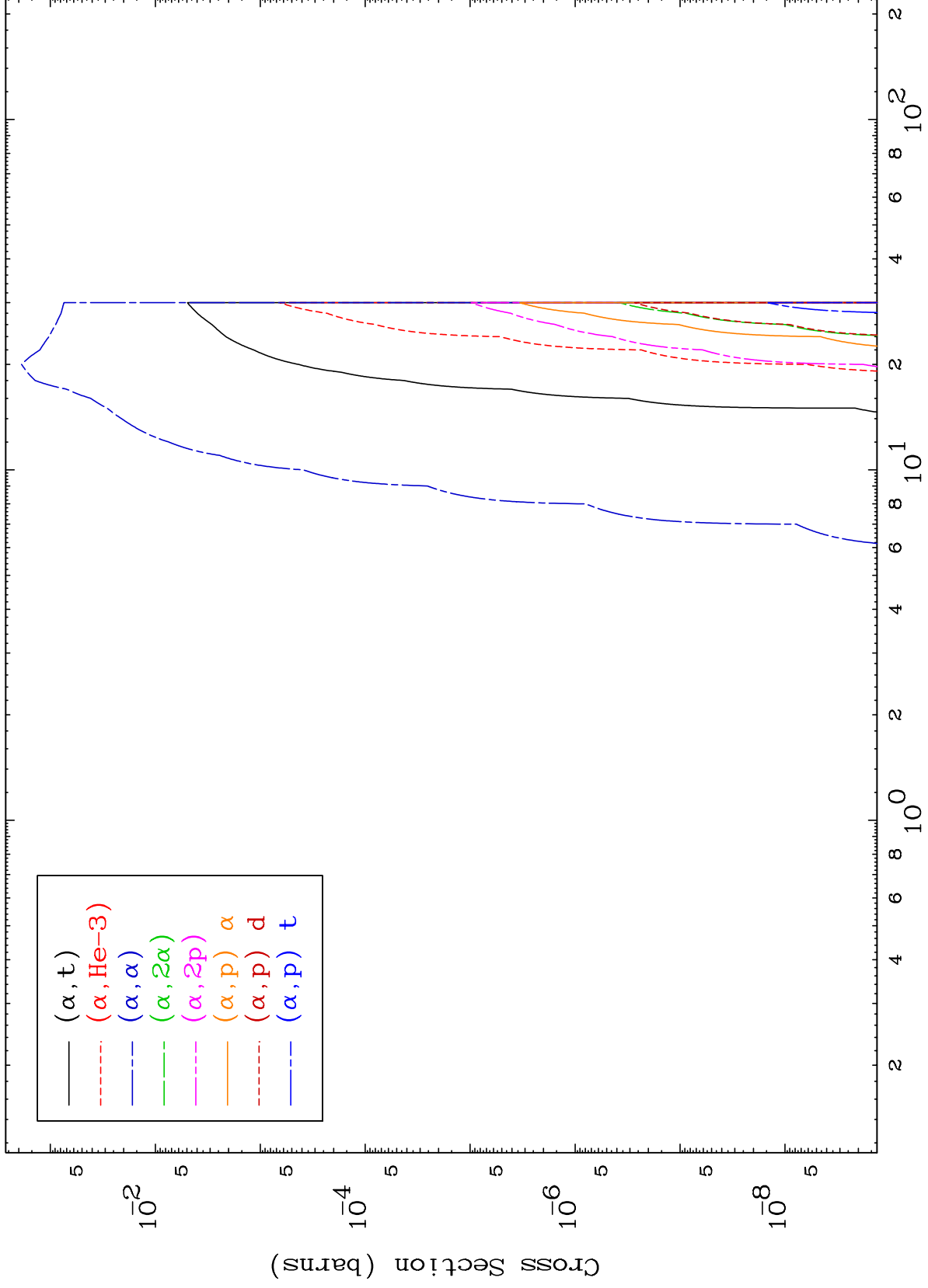
³⁴Se-81



MAT 3446

α Charged Particle
0 Kelvin Cross Sections

³⁴Se-81

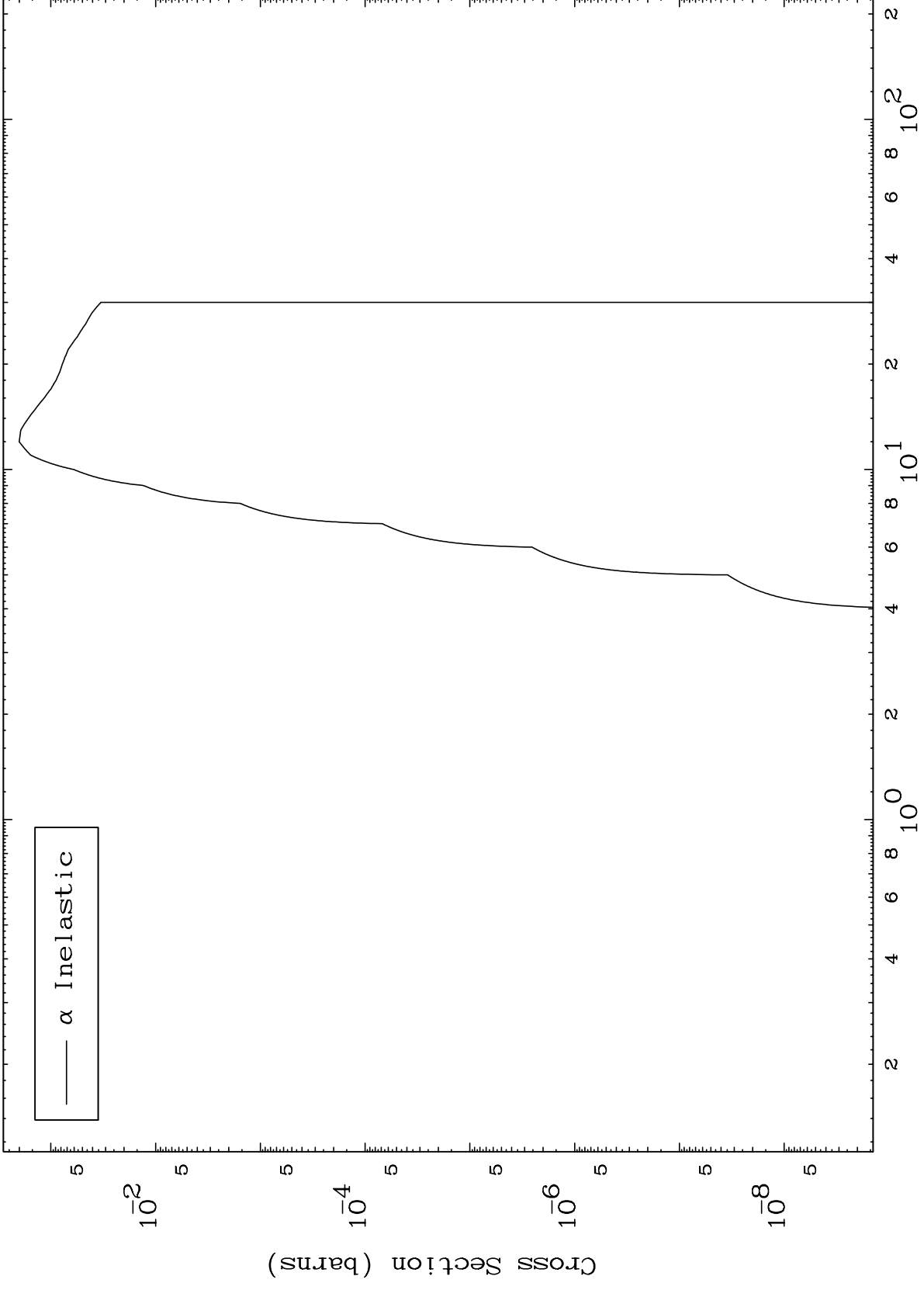


MAT 3446

(α, n') Level

$^{34}\text{Se-81}$

0 Kelvin Cross Sections

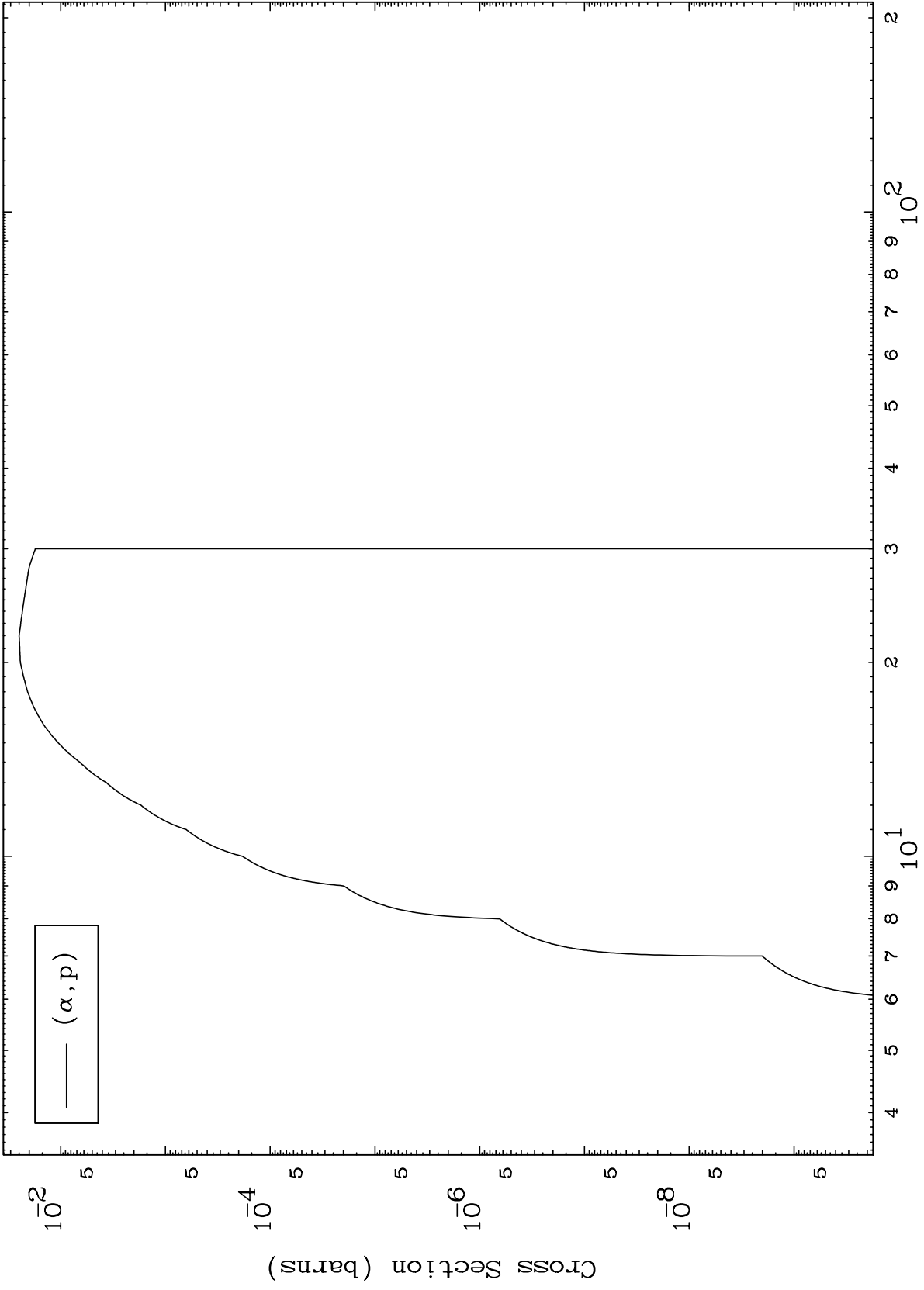


α Inelastic

MAT 3446

³⁴Se-81

(α, p) Levels
0 Kelvin Cross Sections



6

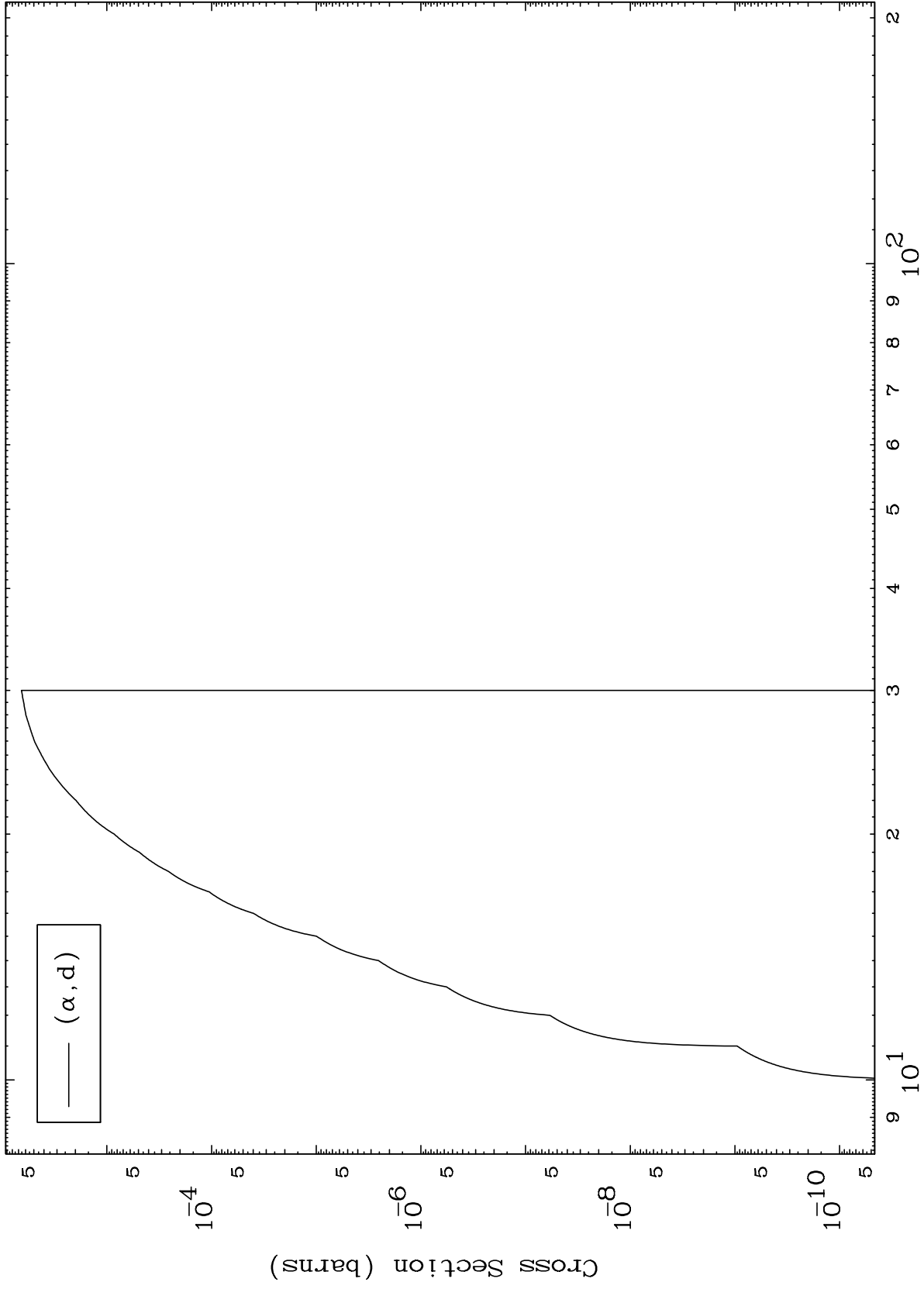
Incident Energy (MeV)

³⁴Se-81

MAT 3446

(α, d) Levels
0 Kelvin Cross Sections

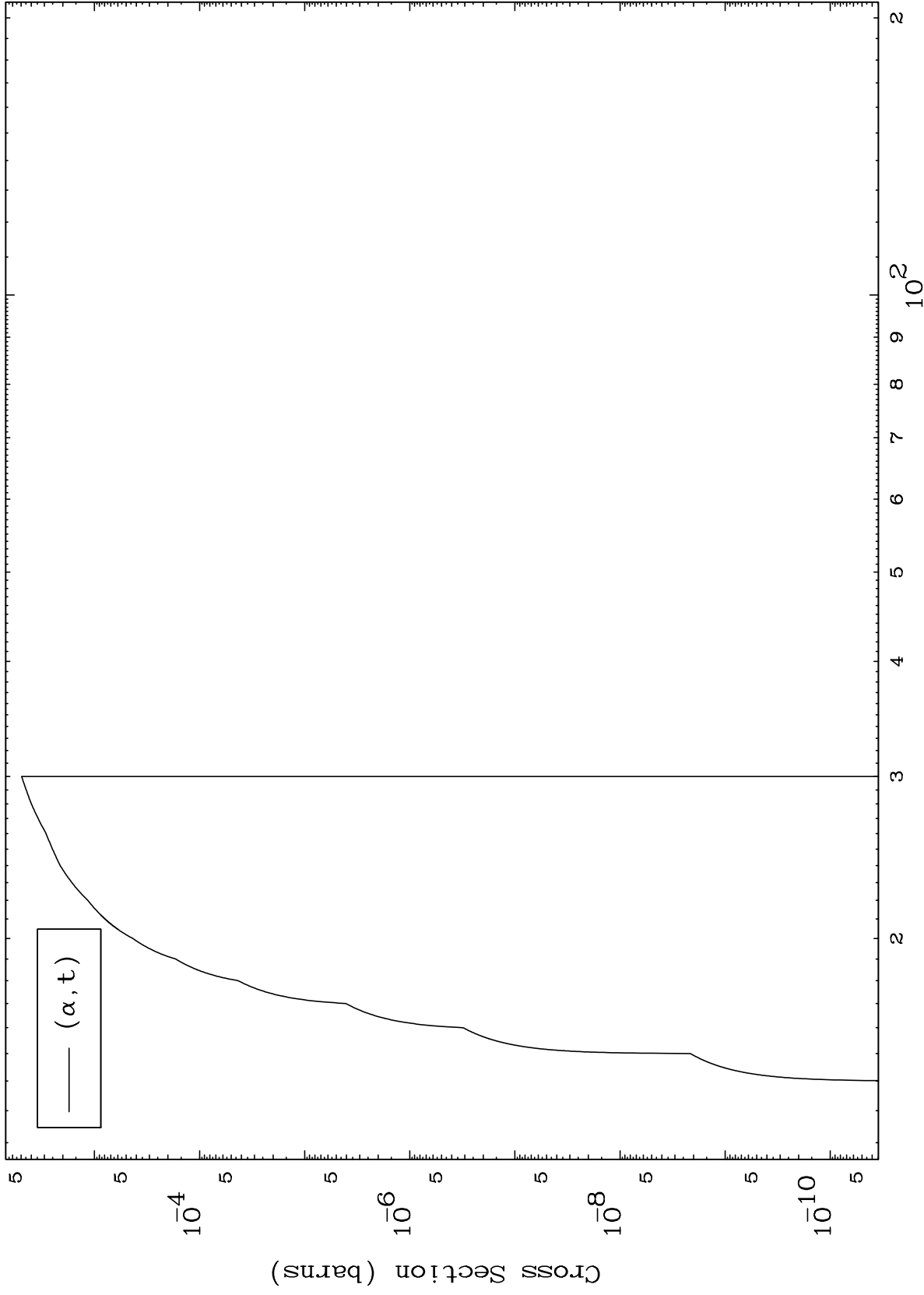
³⁴Se-81



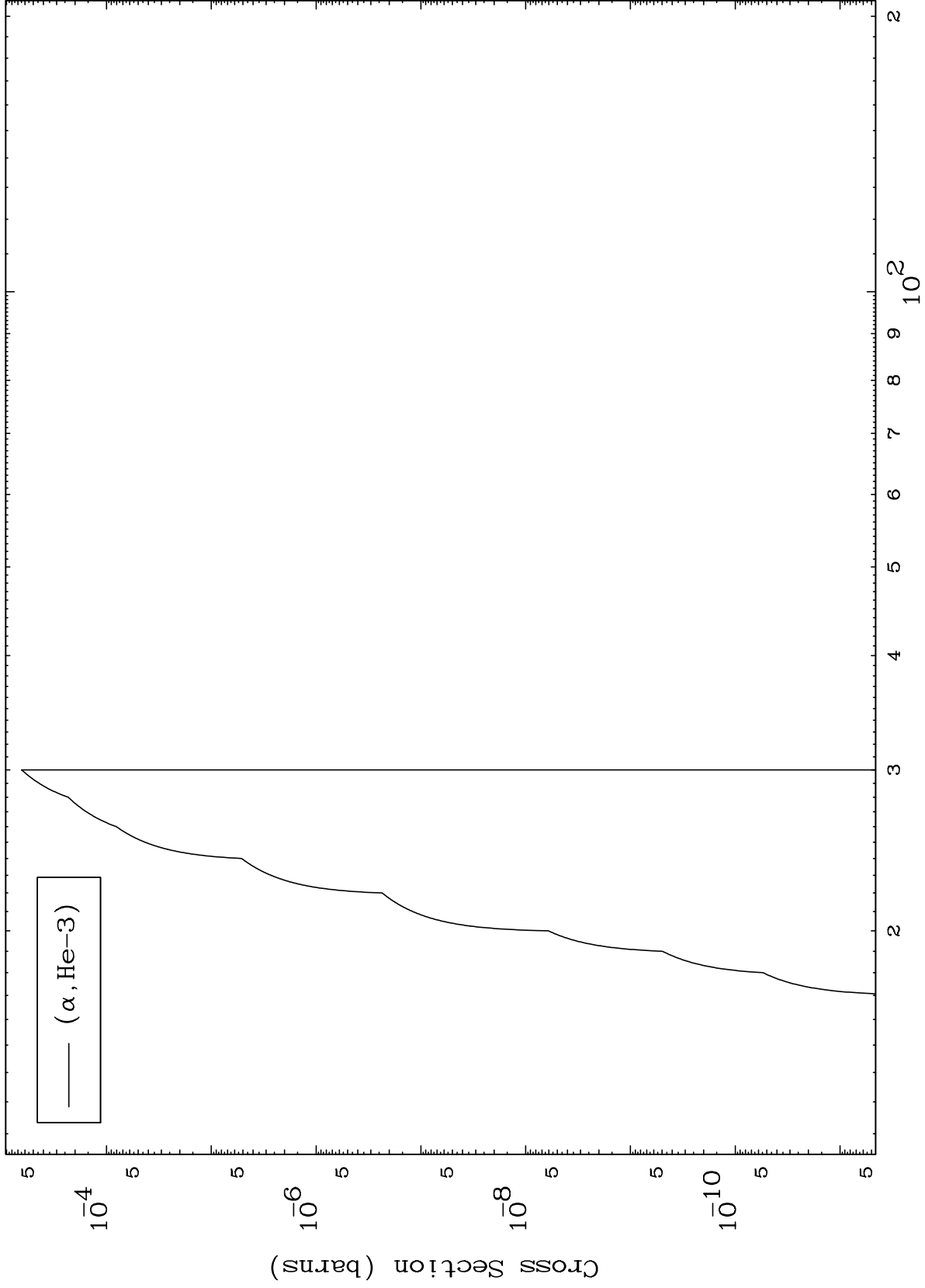
Incident Energy (MeV)

³⁴Se-81

7



($\alpha, \text{He}3$) Levels
0 Kelvin Cross Sections

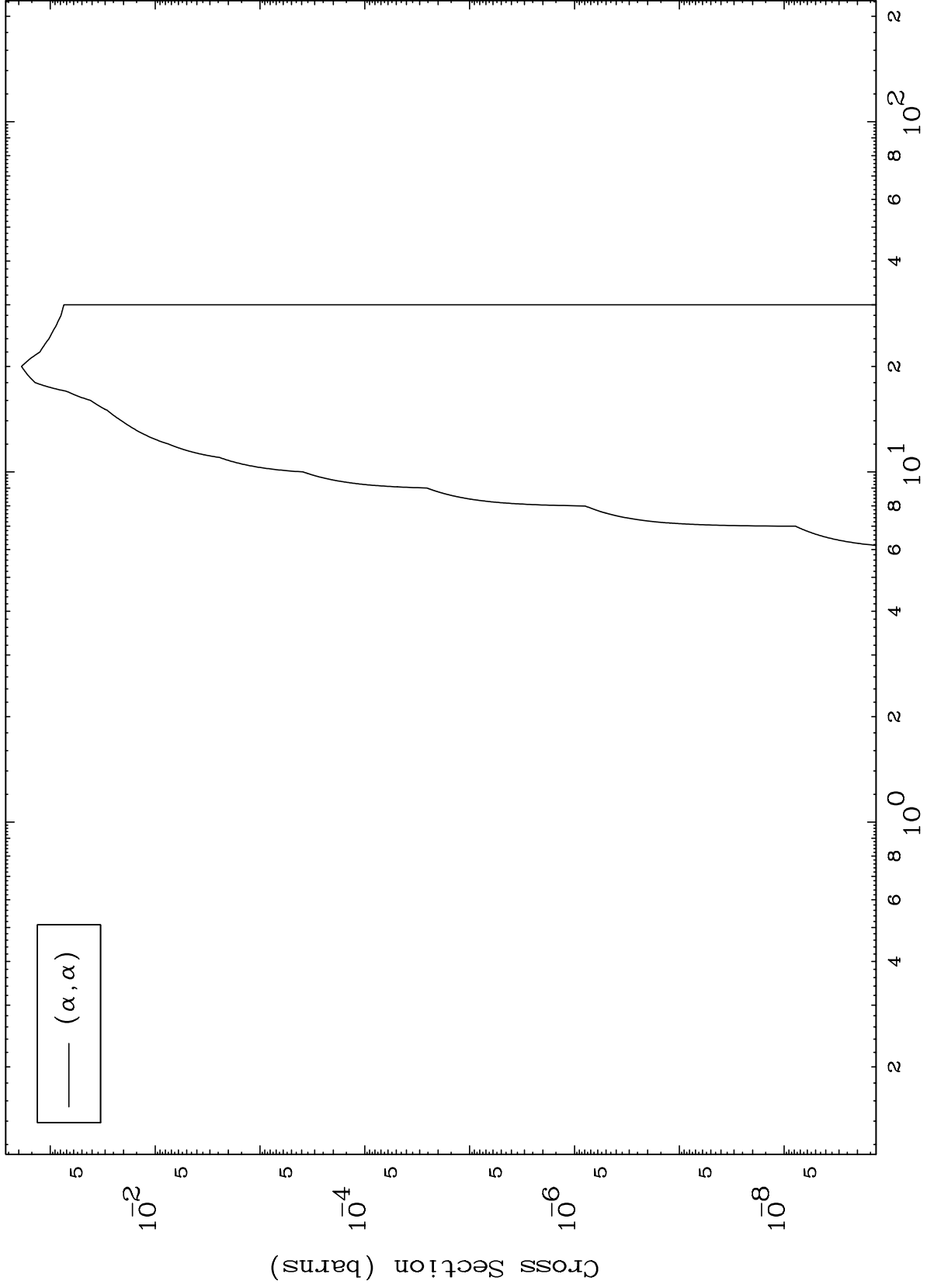


MAT 3446

(α, α) Levels

$^{34}\text{Se-81}$

0 Kelvin Cross Sections

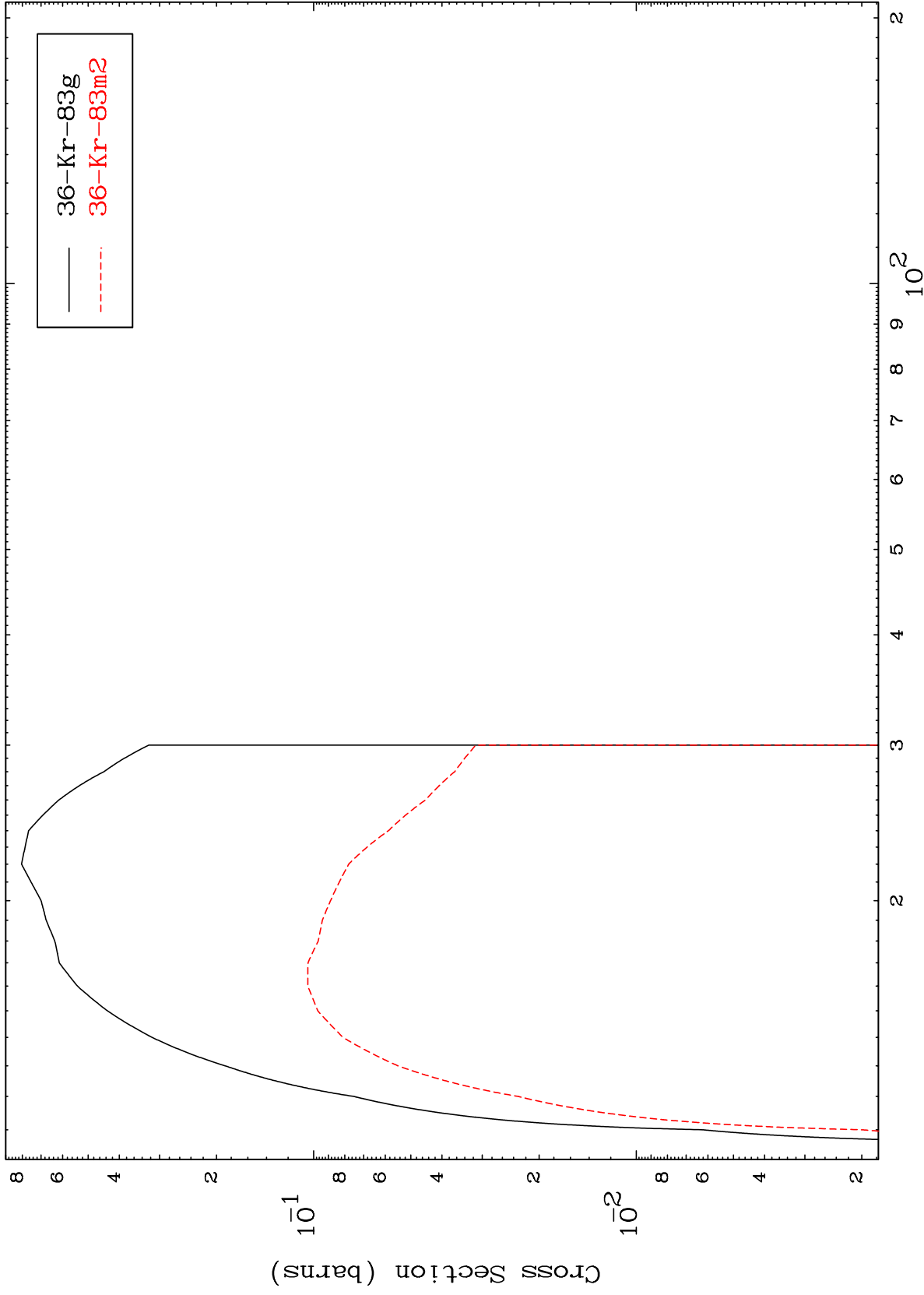


10

Incident Energy (MeV)

$^{34}\text{Se-81}$

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

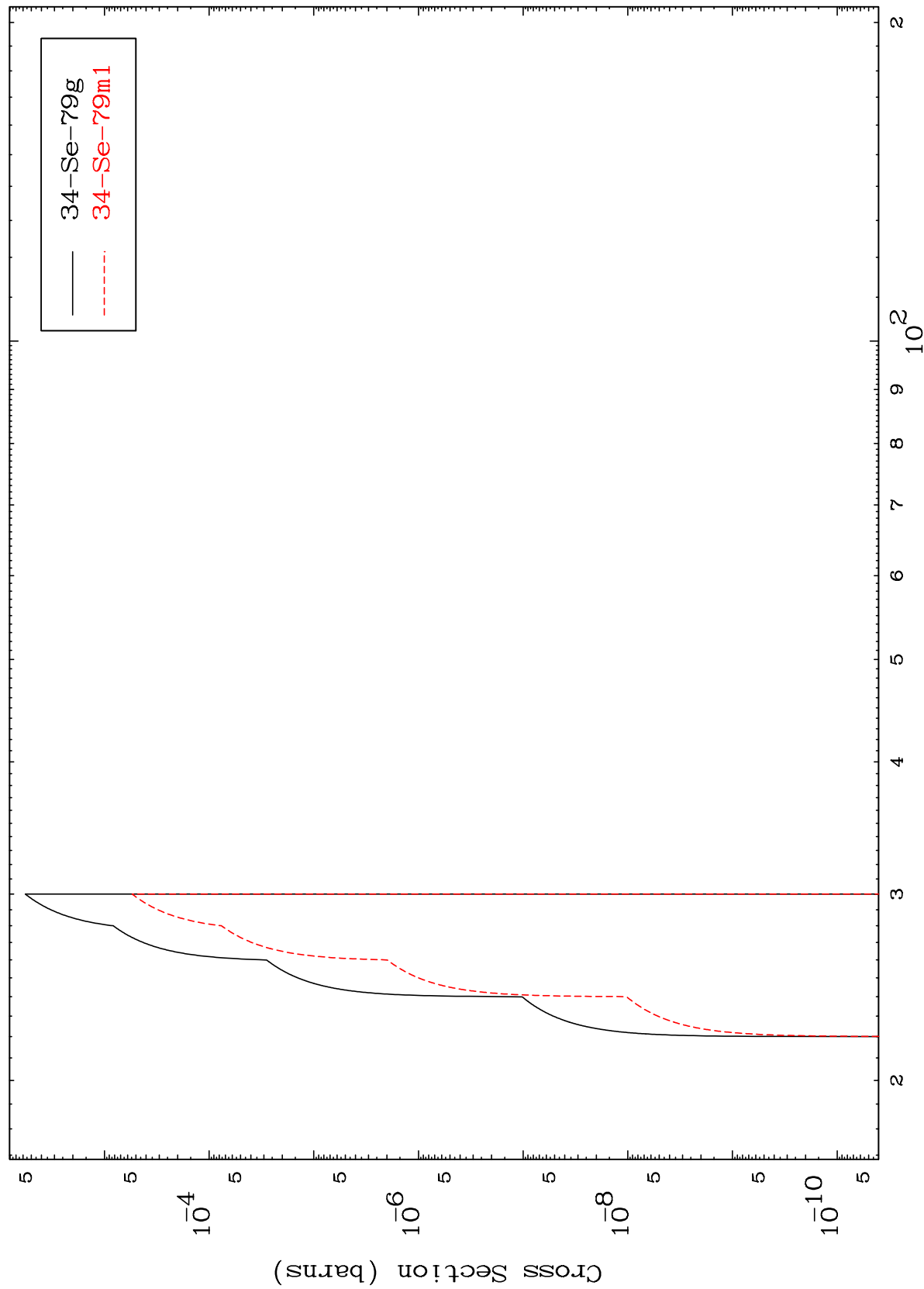


MAT 3446

$(\alpha, 2n)$ α

$^{34}\text{Se-81}$

Radionuclide Production Cross Section



12

Incident Energy (MeV)

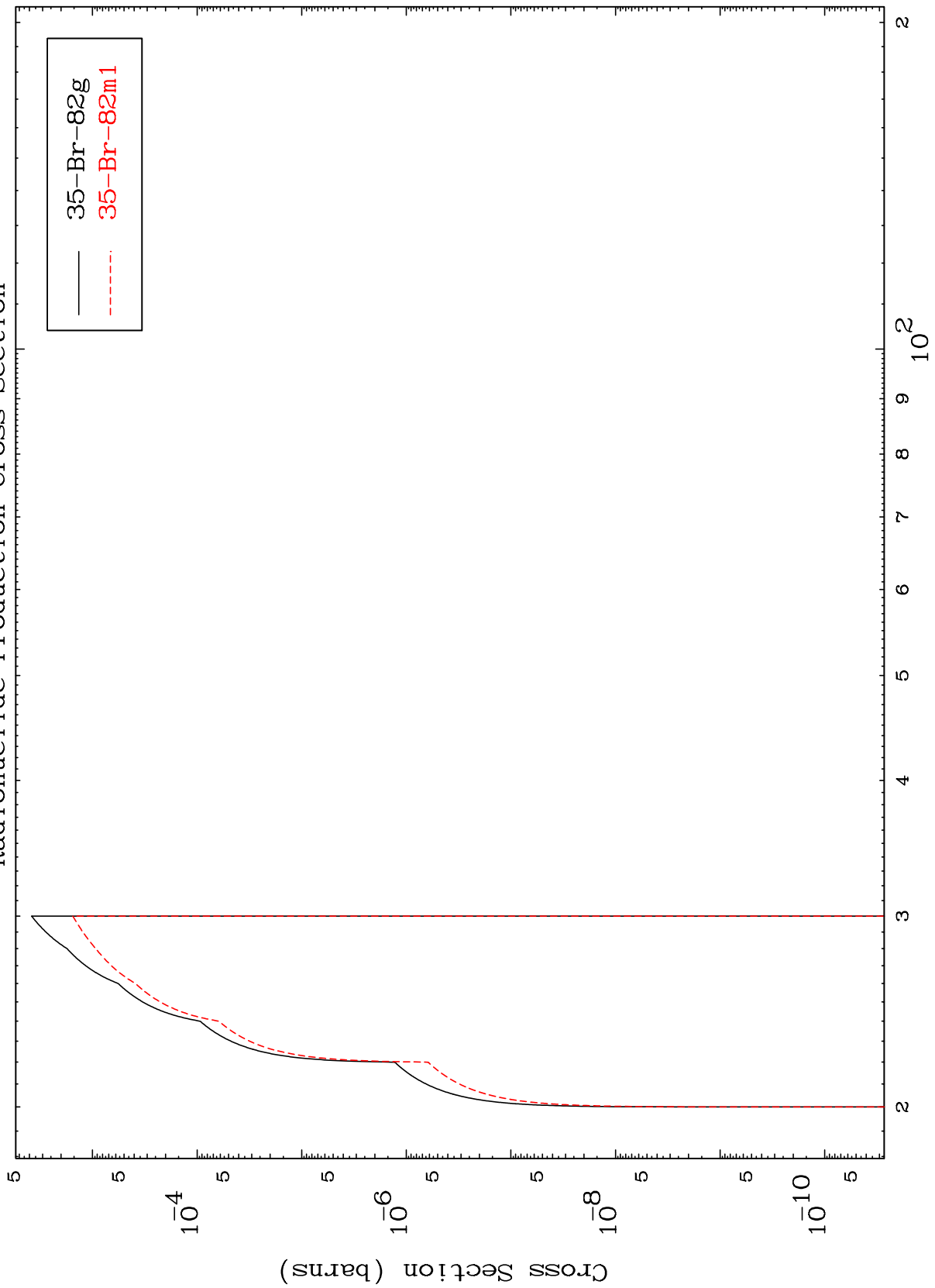
$^{34}\text{Se-81}$

MAT 3446

(α, n') d

³⁴Se-81

Radionuclide Production Cross Section



13

Incident Energy (MeV)

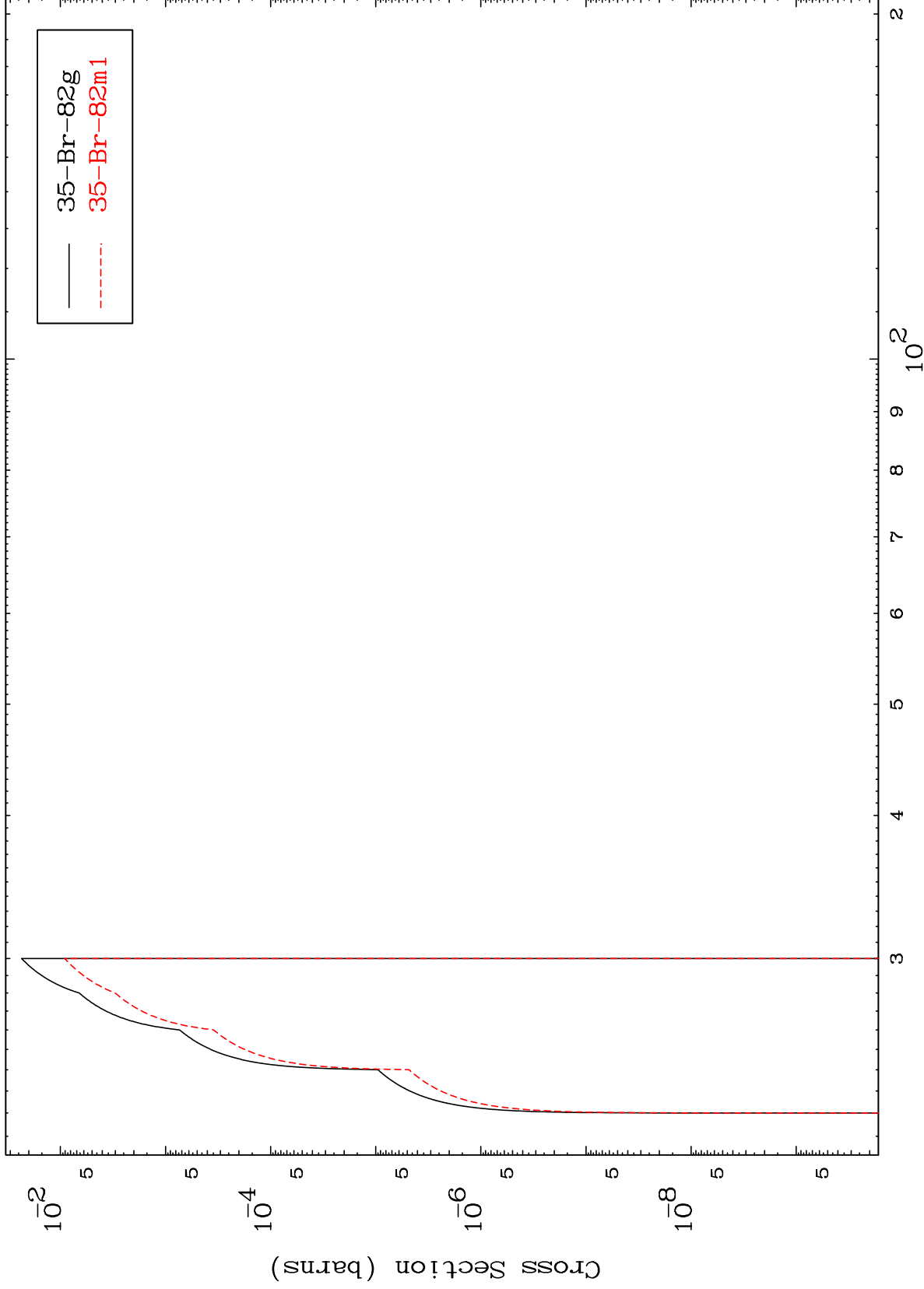
³⁴Se-81

MAT 3446

$(\alpha, 2n)$ p

$^{34}\text{Se-81}$

Radionuclide Production Cross Section



15

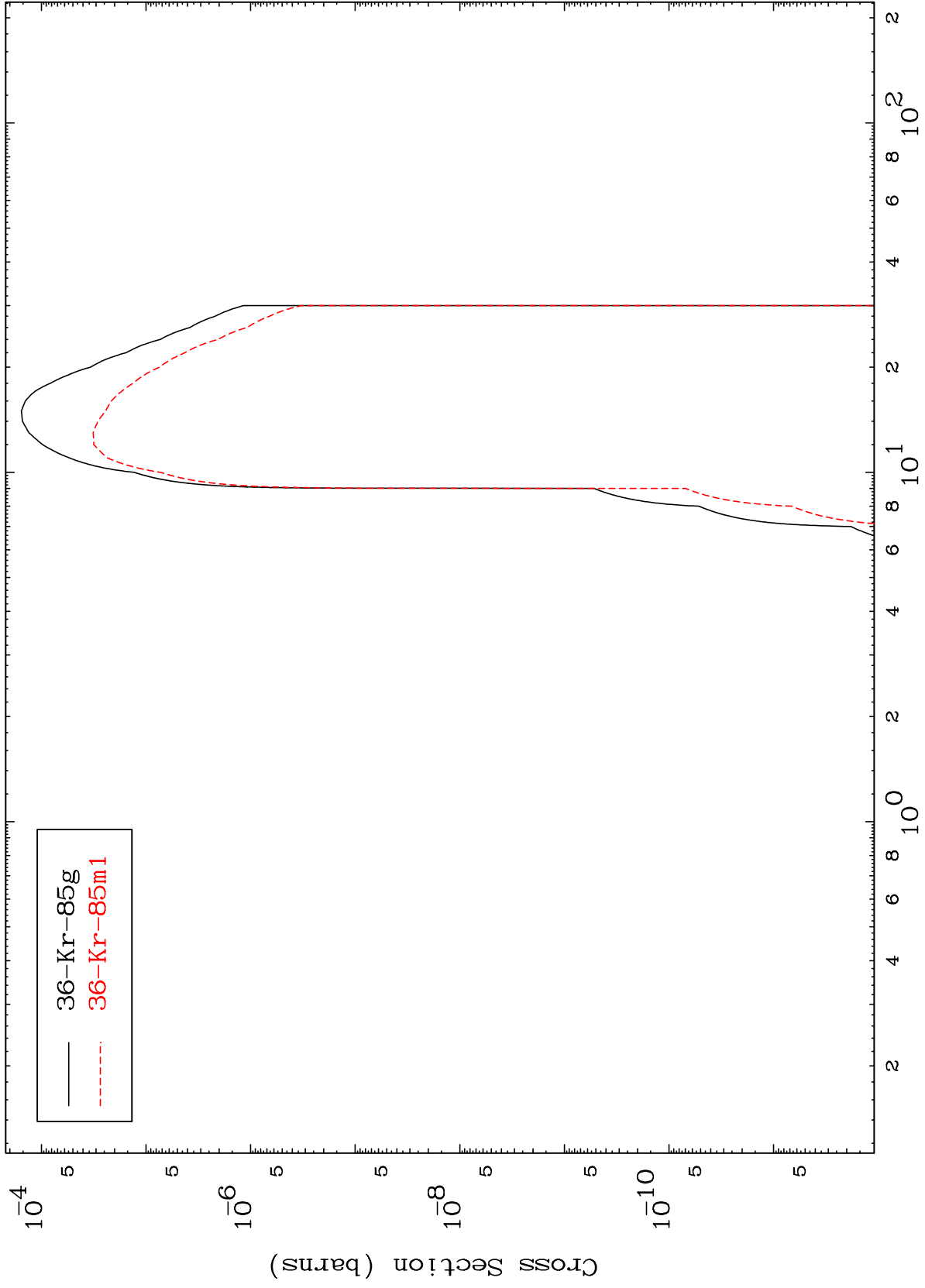
Incident Energy (MeV)

$^{34}\text{Se-81}$

MAT 3446

³⁴Se-81

(α, γ)
Radionuclide Production Cross Section



— 36-Kr-85g
- - - 36-Kr-85m1

³⁴Se-81

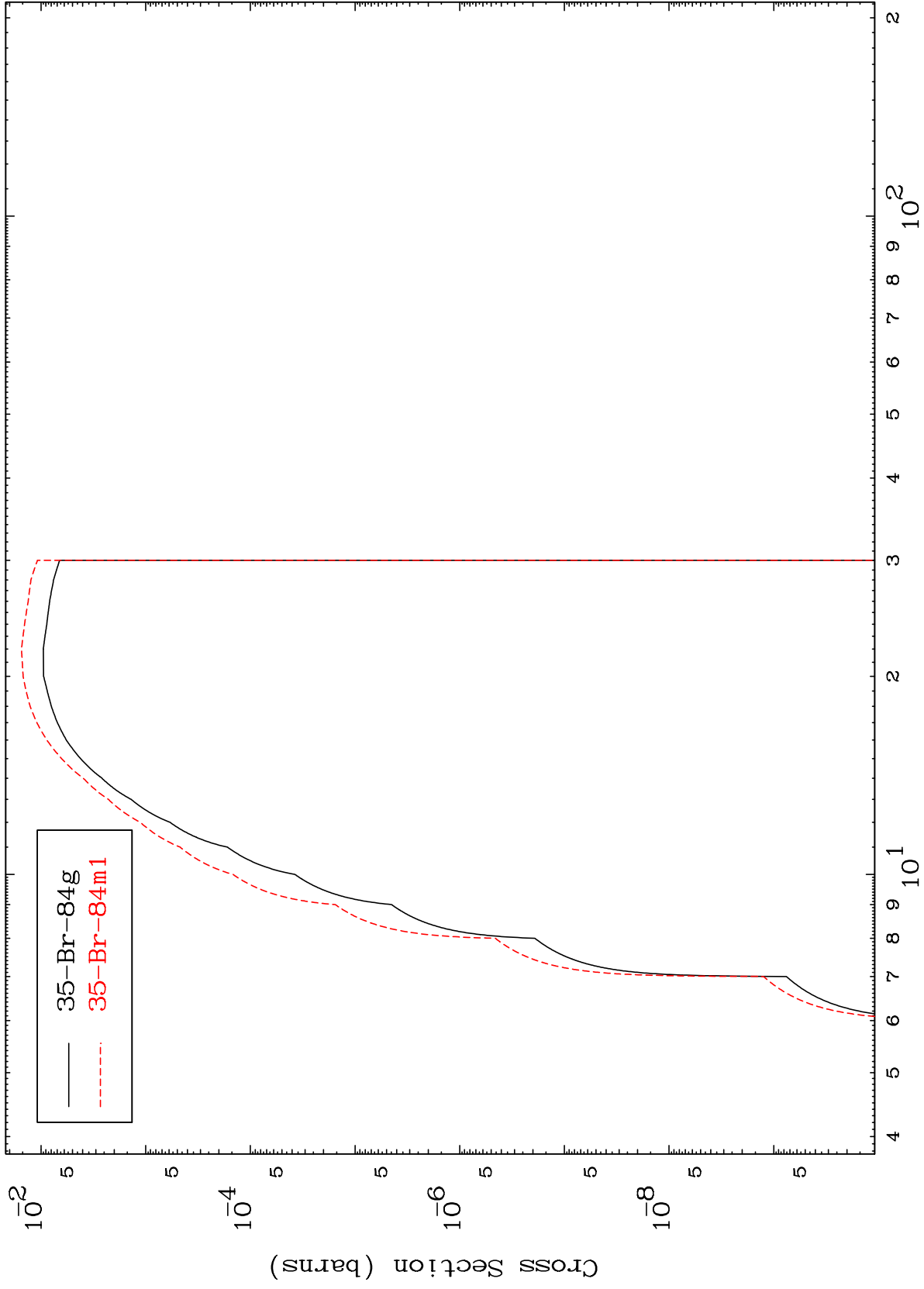
Incident Energy (MeV)

16

MAT 3446

³⁴Se-81

(α, p)
Radionuclide Production Cross Section



³⁴Se-81

Incident Energy (MeV)

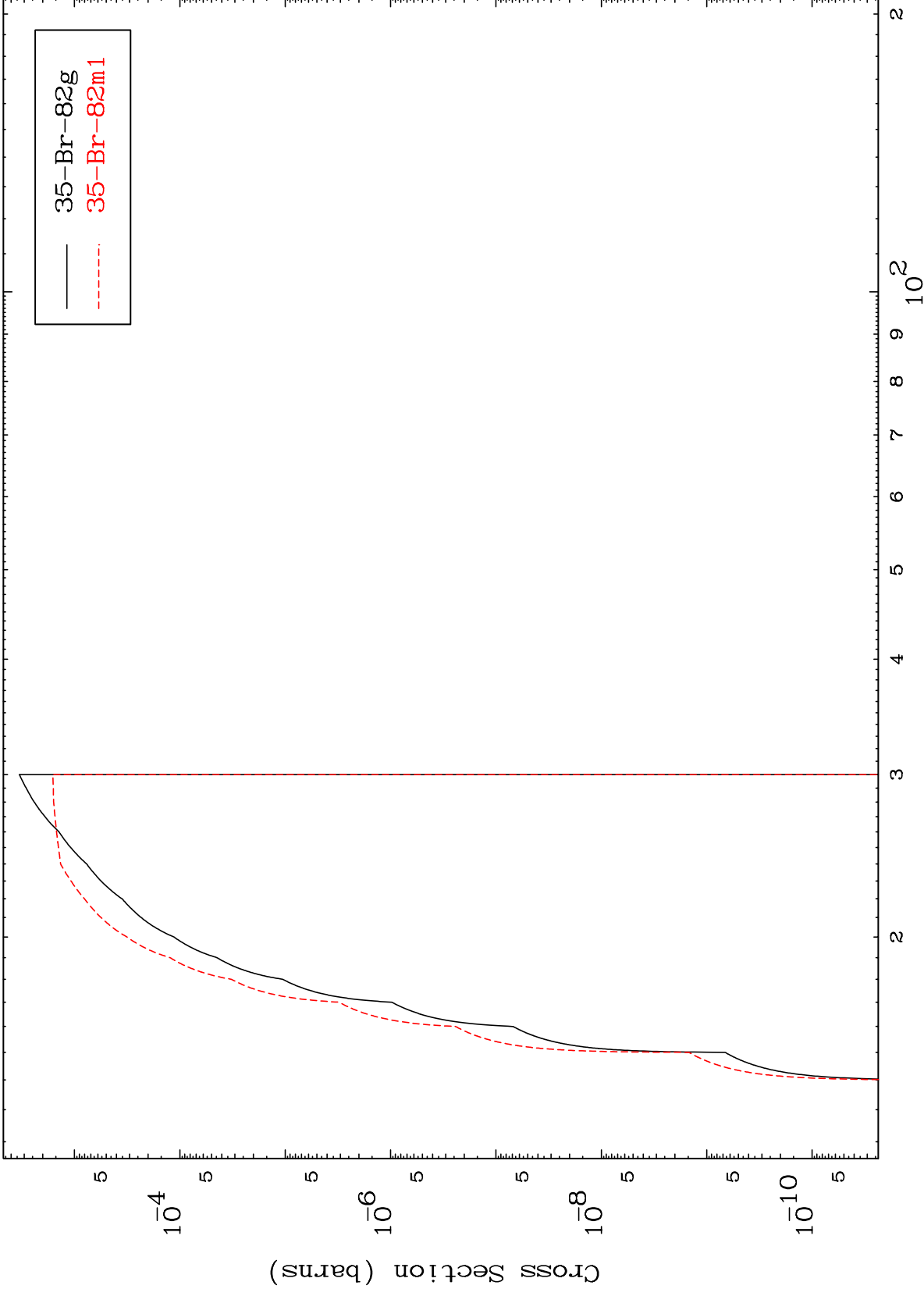
17

MAT 3446

(α, t)

³⁴Se-81

Radionuclide Production Cross Section



18

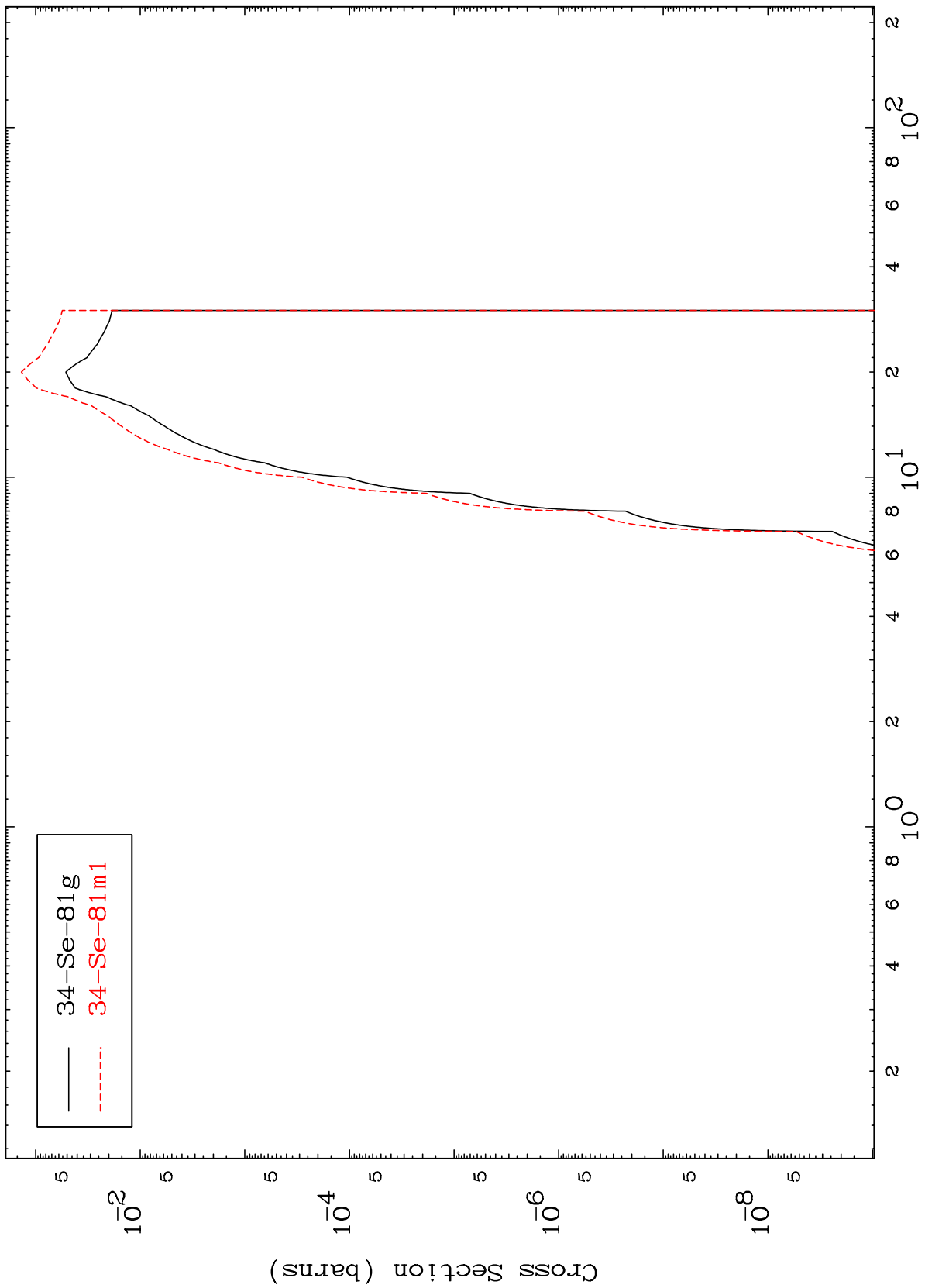
Incident Energy (MeV)

³⁴Se-81

MAT 3446

³⁴Se-81

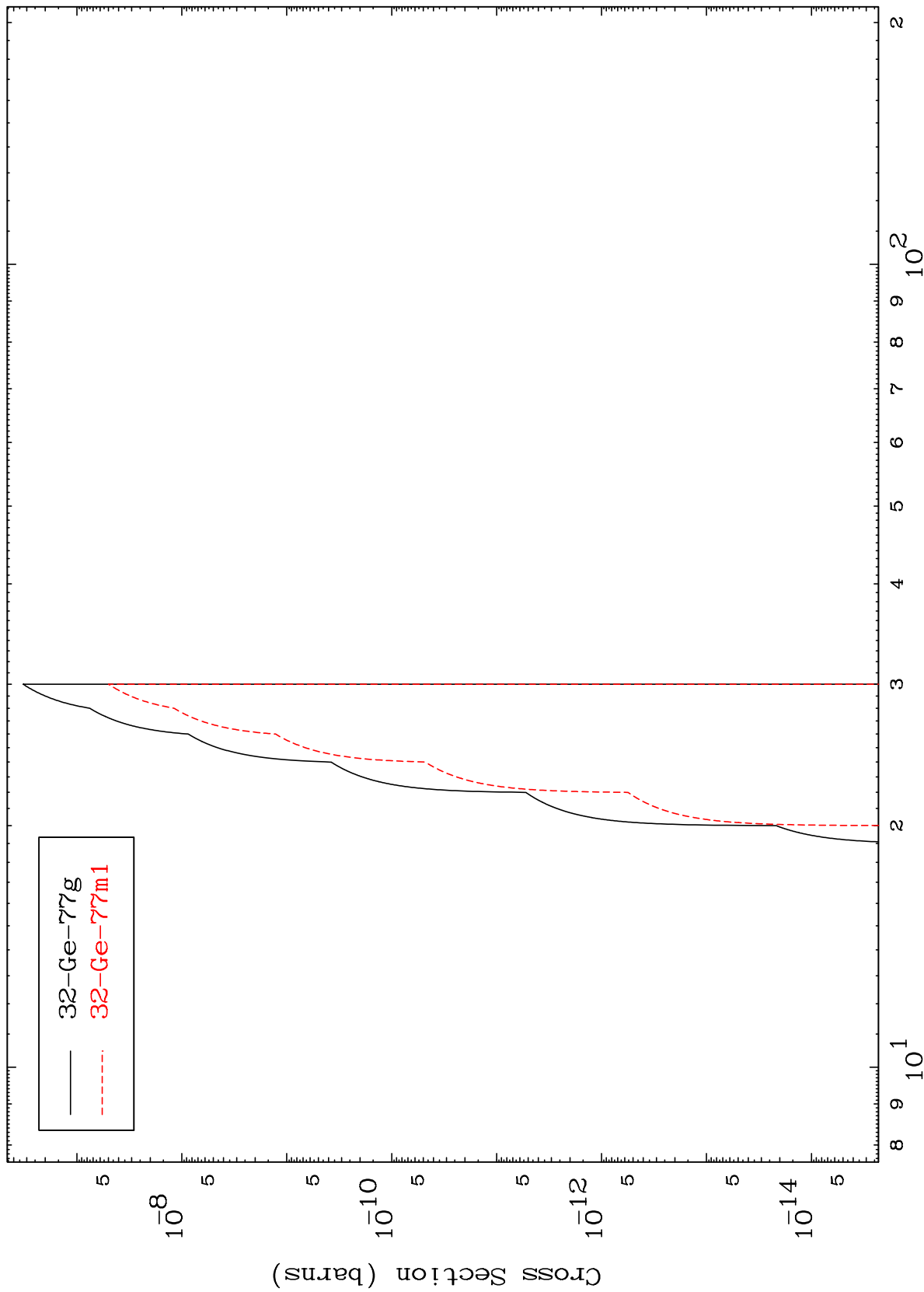
(α, α)
Radionuclide Production Cross Section



MAT 3446

34-Se-81

Radionuclide Production Cross Section



Incident Energy (MeV)

34-Se-81

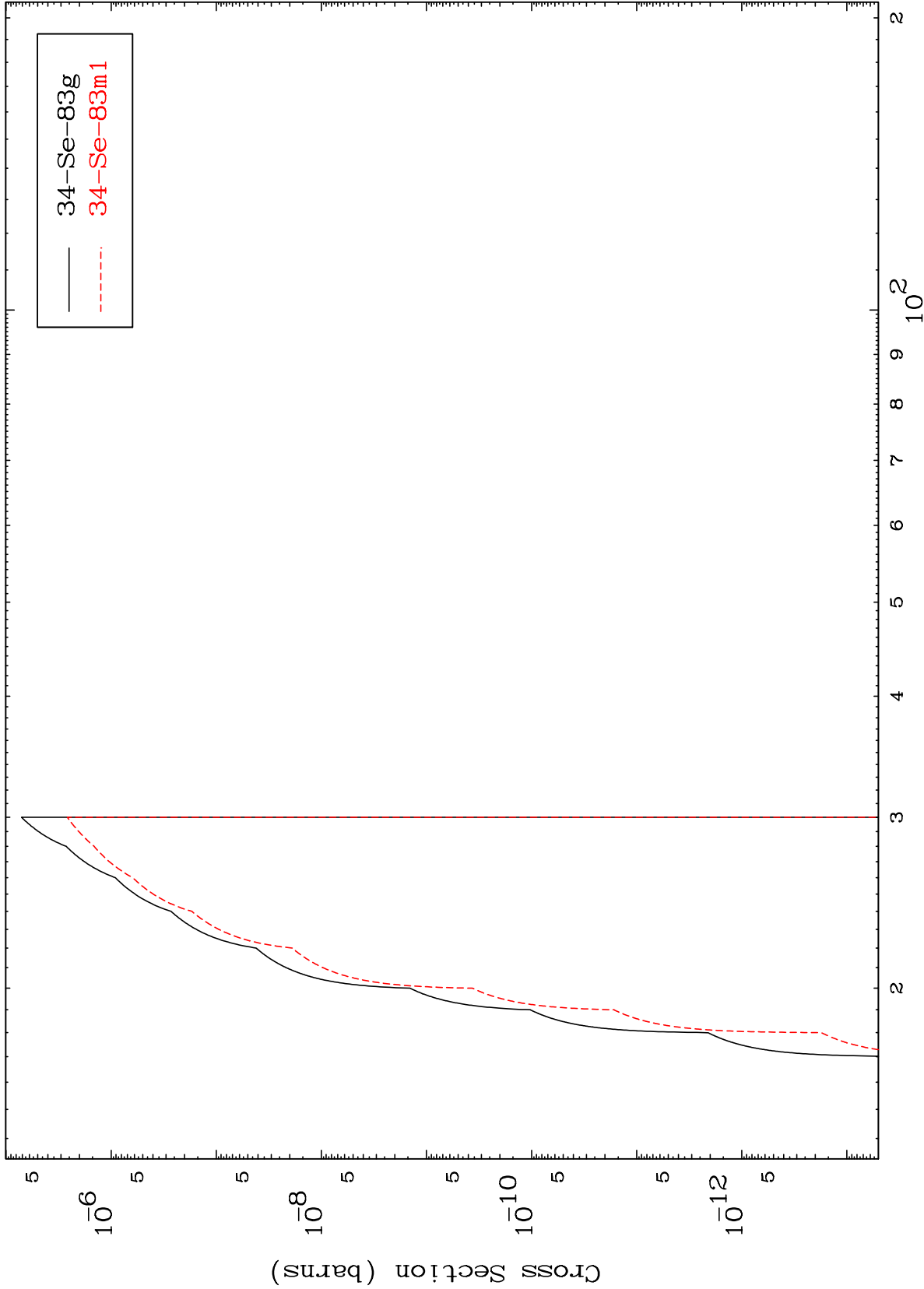
20

MAT 3446

³⁴Se-81

($\alpha, 2p$)

Radionuclide Production Cross Section



21

³⁴Se-81

Incident Energy (MeV)

MAT 3446

(α, p) t

³⁴Se-81

