

Program EVALPLOT
(Version 2018-1)

by

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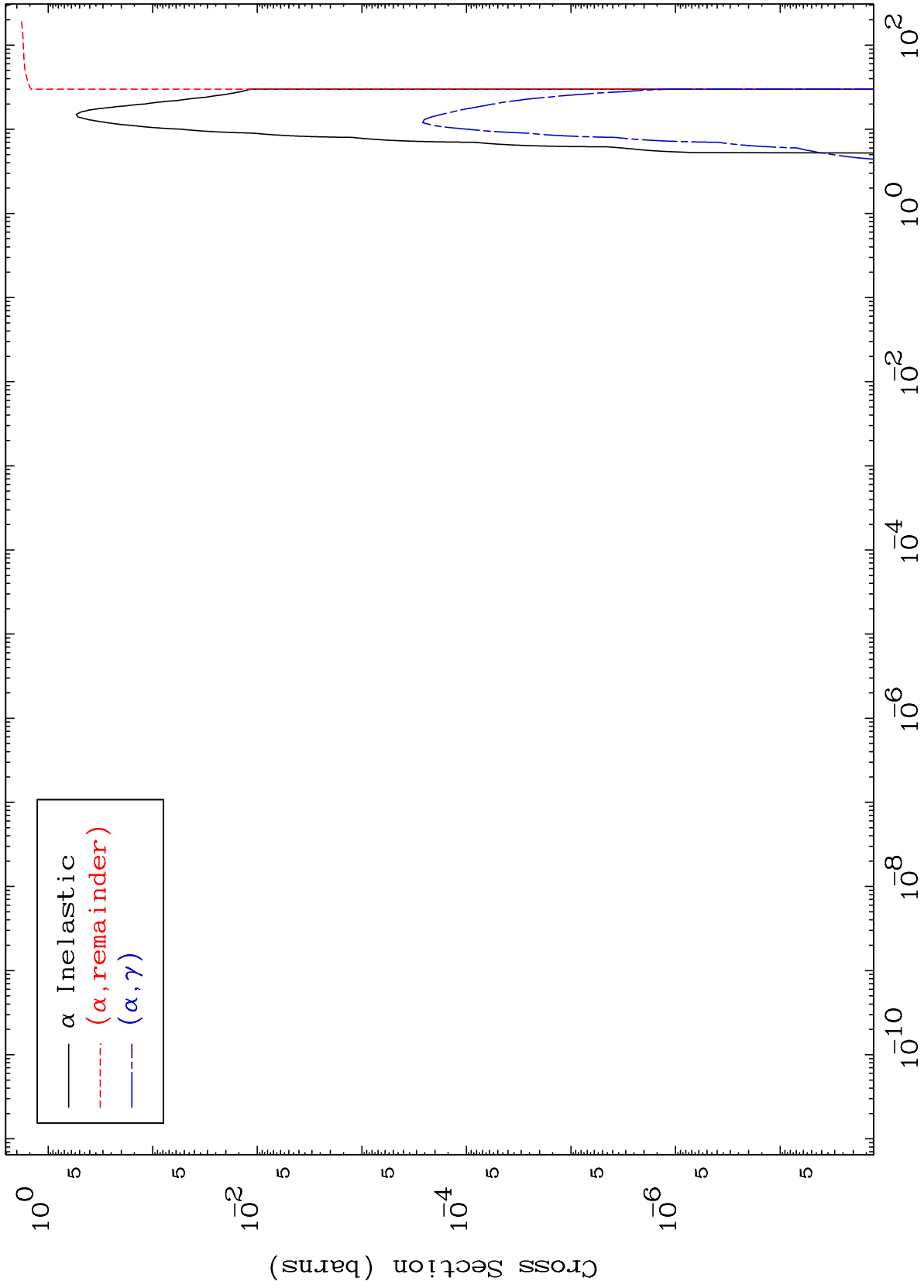
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3437

0 Kelvin α Major
Cross Sections

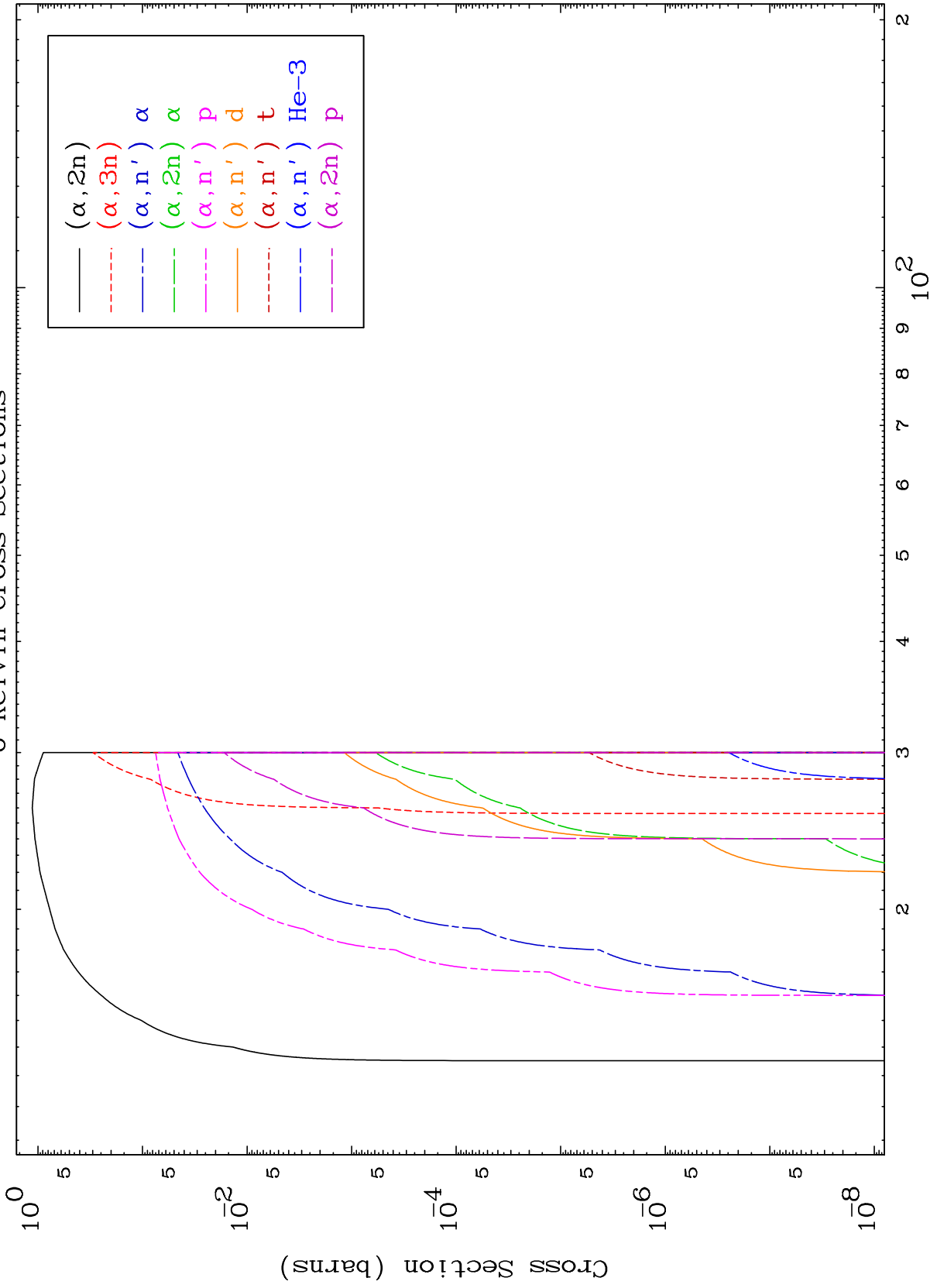
$^{34}\text{Se-78}$



MAT 3437

α Neutron Production
0 Kelvin Cross Sections

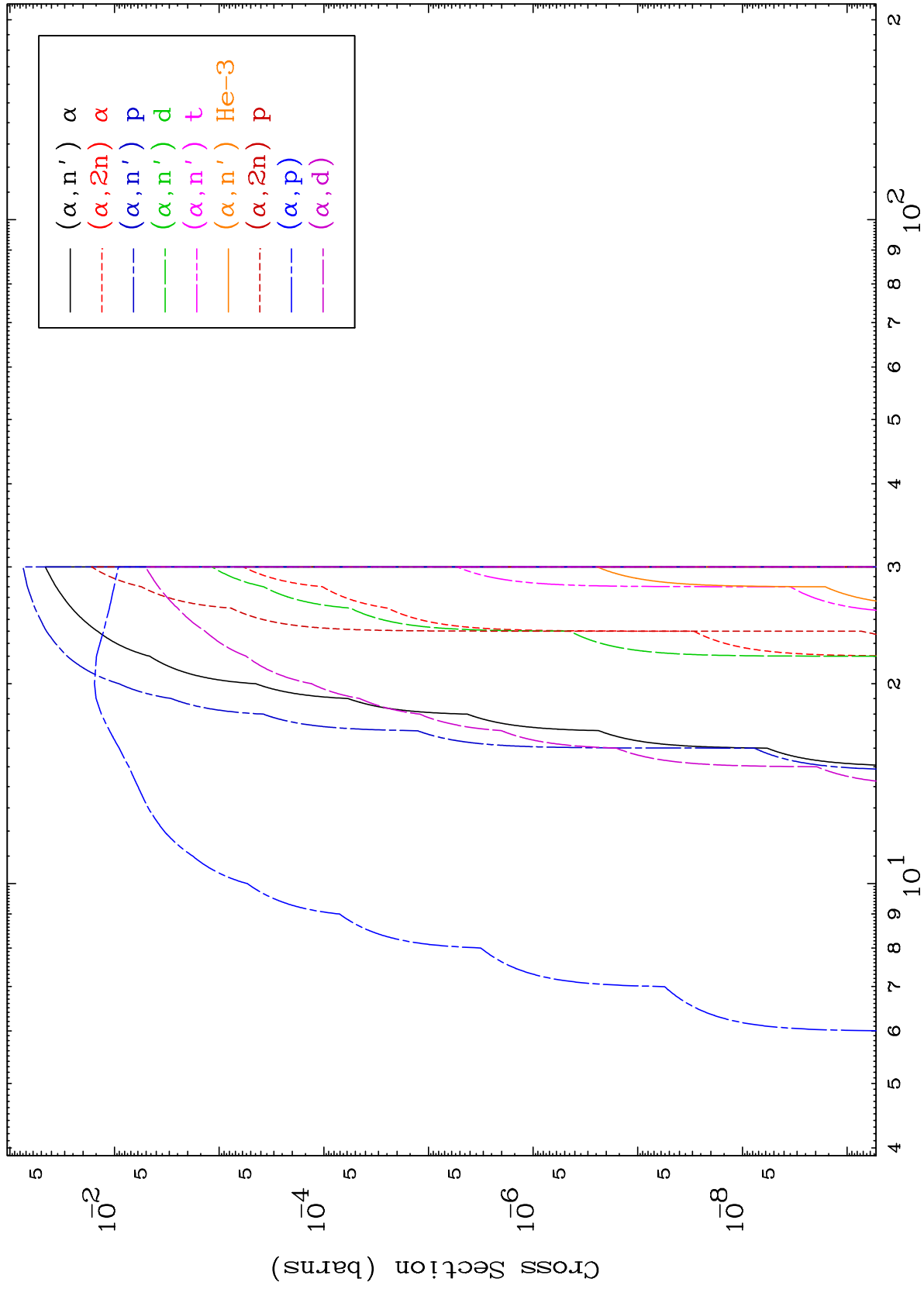
34-Se-78



2

Incident Energy (MeV)

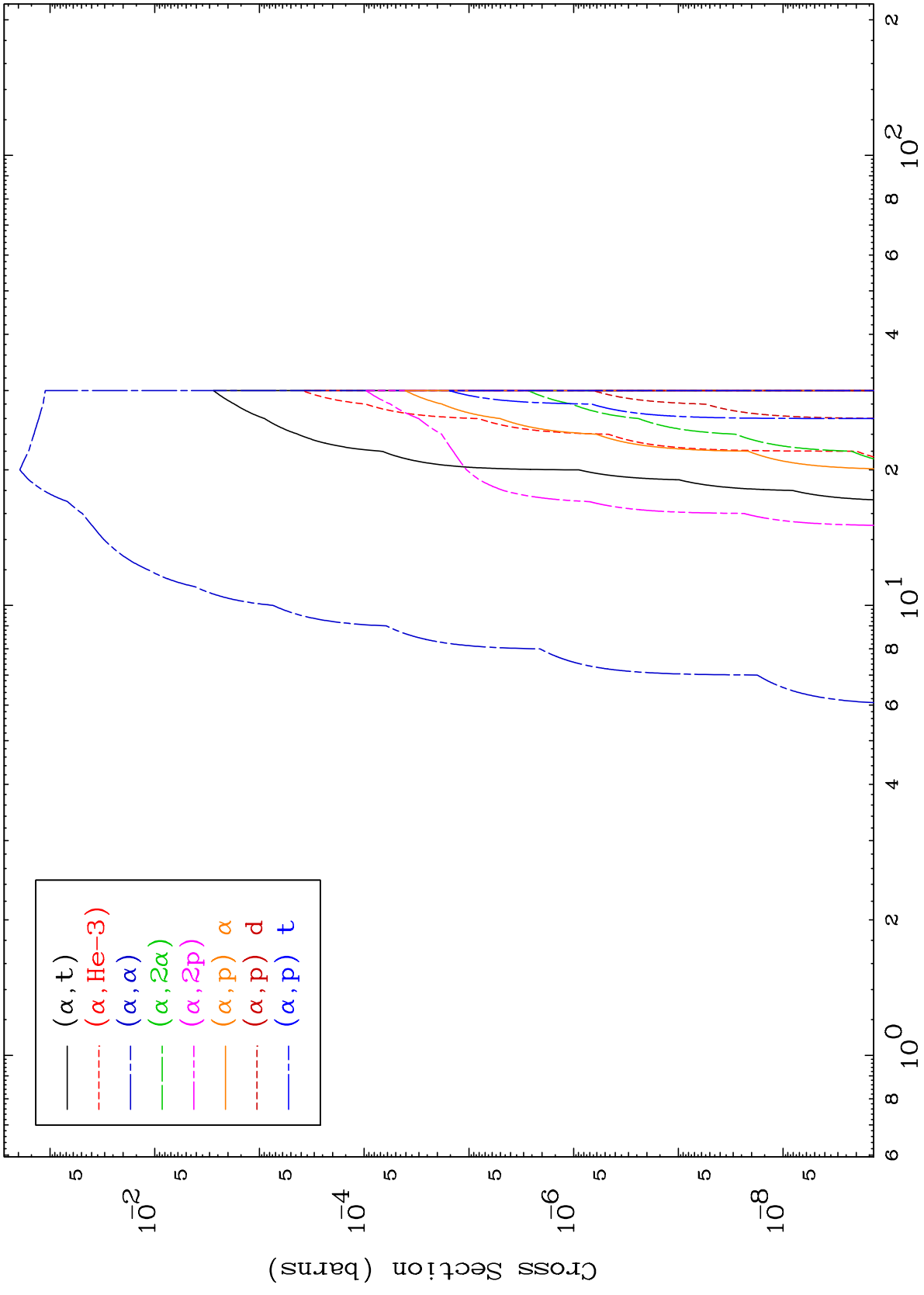
34-Se-78



MAT 3437

α Charged Particle
0 Kelvin Cross Sections

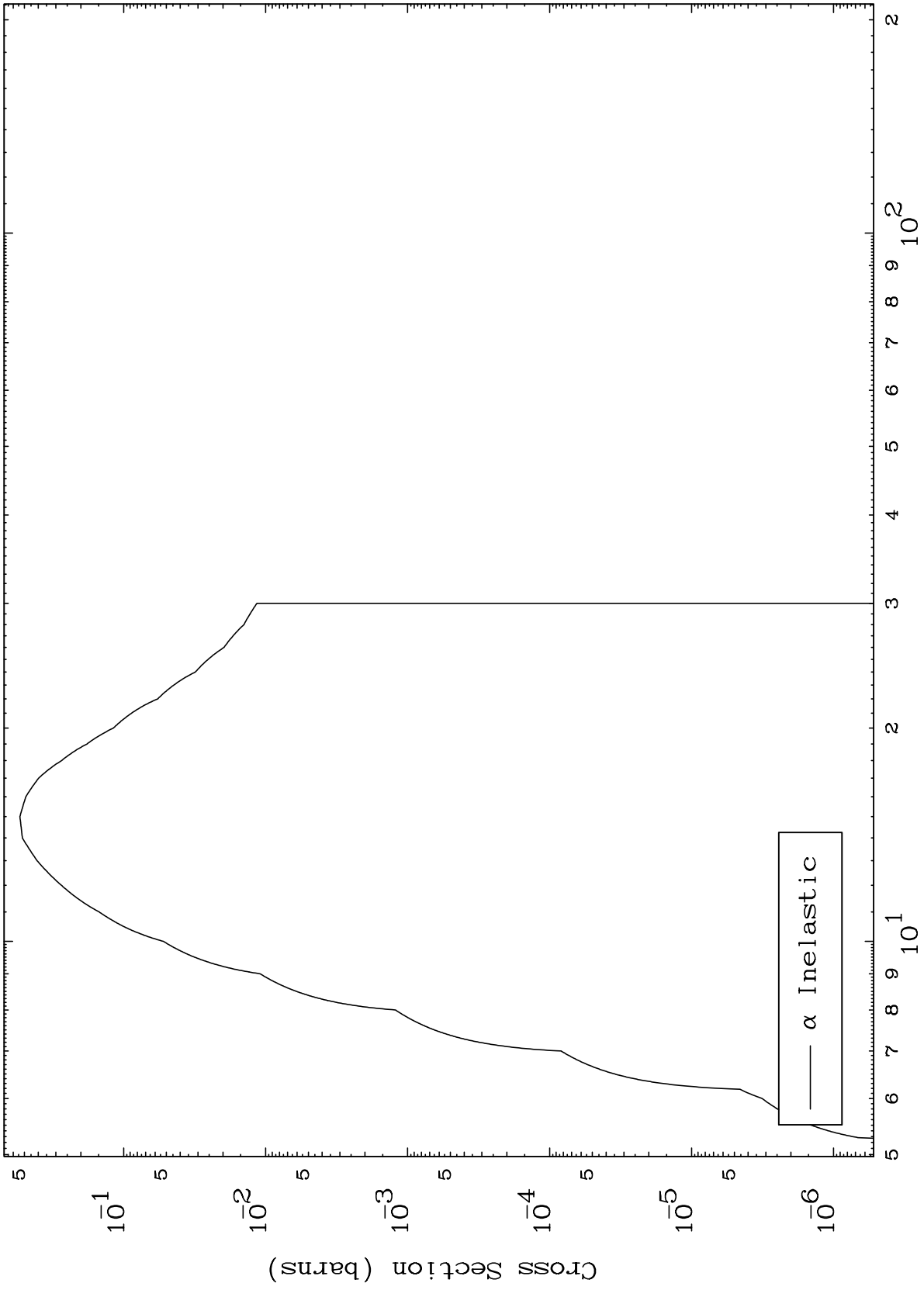
³⁴Se-78



MAT 3437

34-Se-78

(α, n') Level
0 Kelvin Cross Sections



5

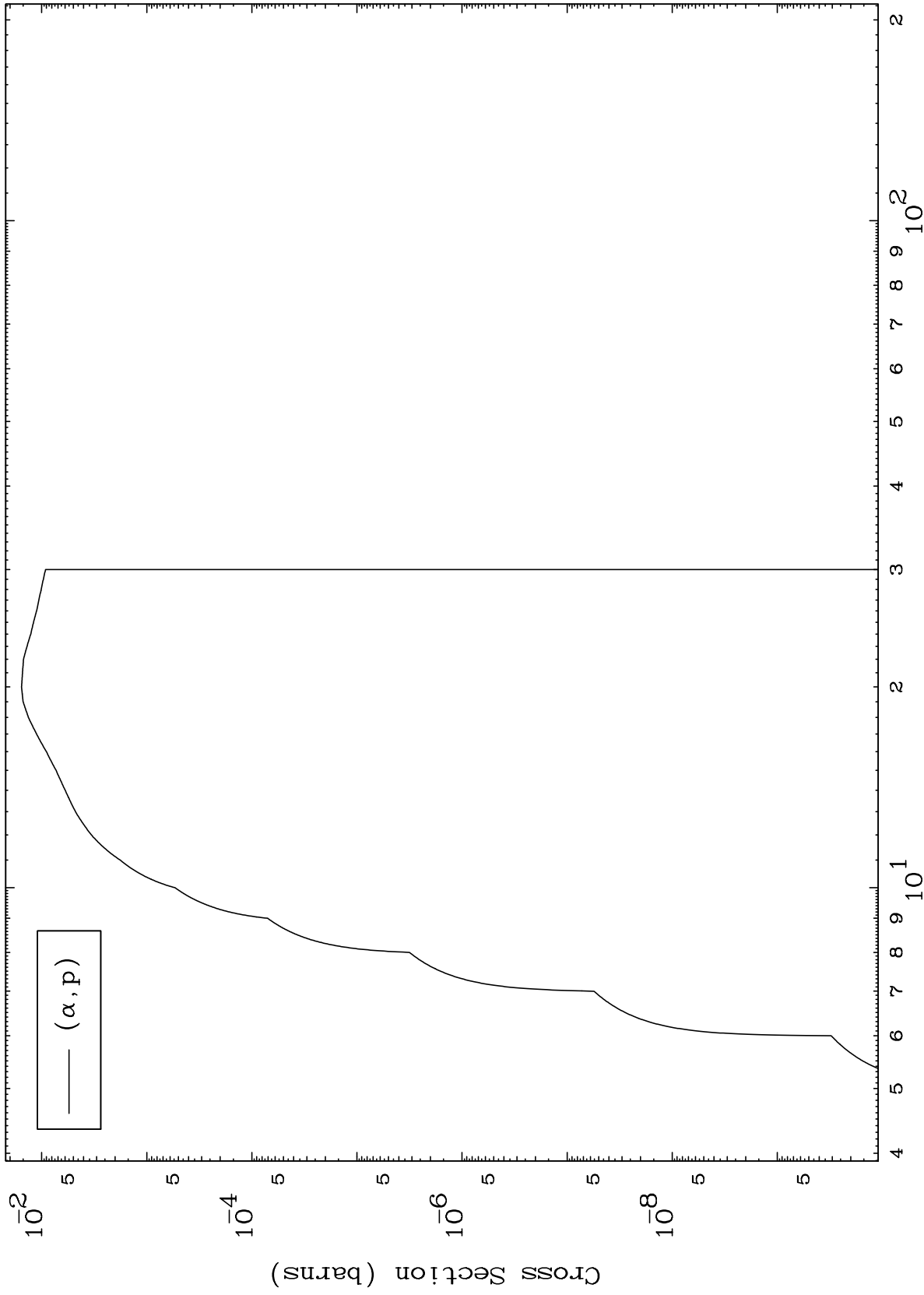
Incident Energy (MeV)

34-Se-78

MAT 3437

34-Se-78

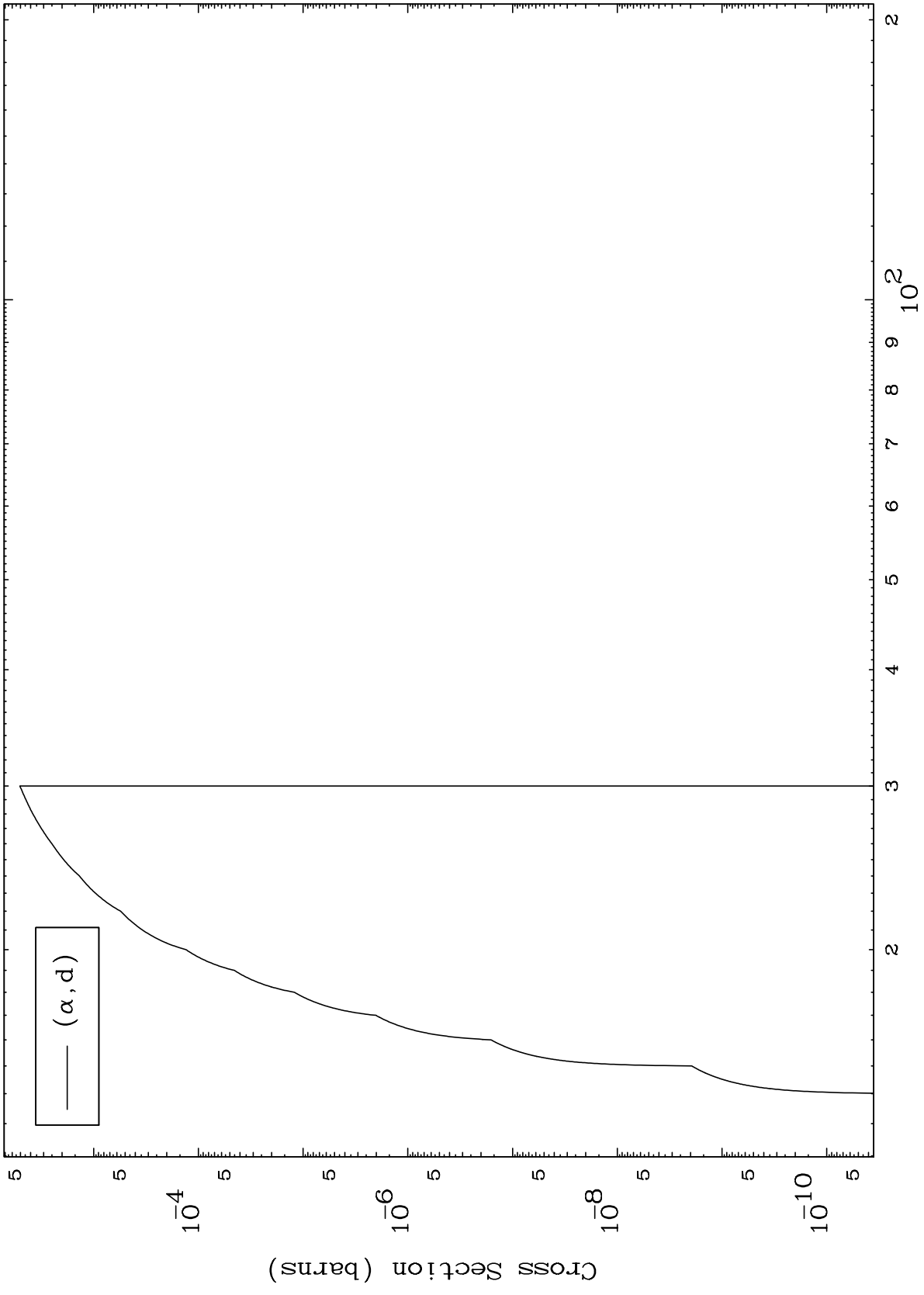
(α, p) Levels
0 Kelvin Cross Sections



6

Incident Energy (MeV)

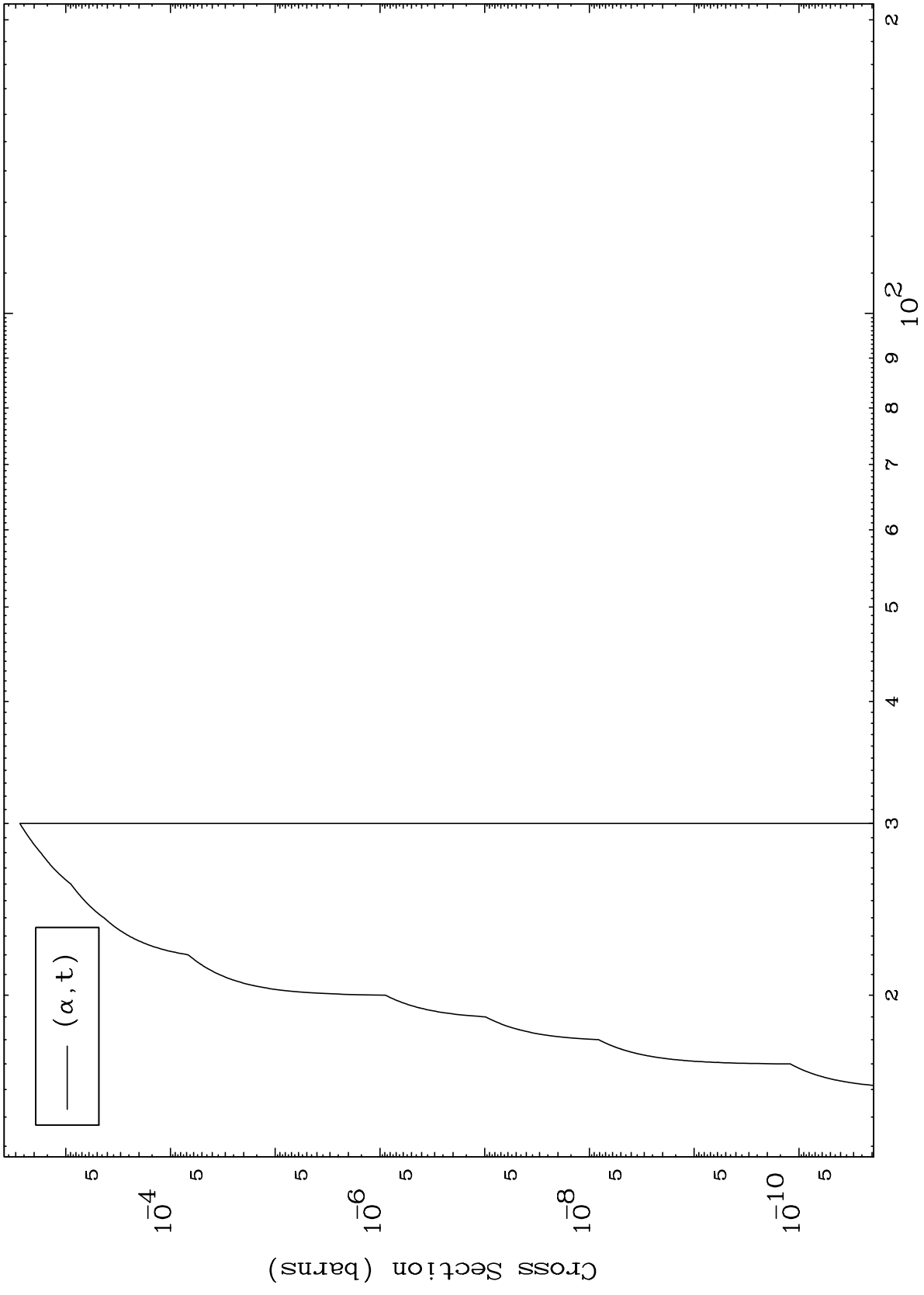
34-Se-78



MAT 3437

(α, t) Levels
0 Kelvin Cross Sections

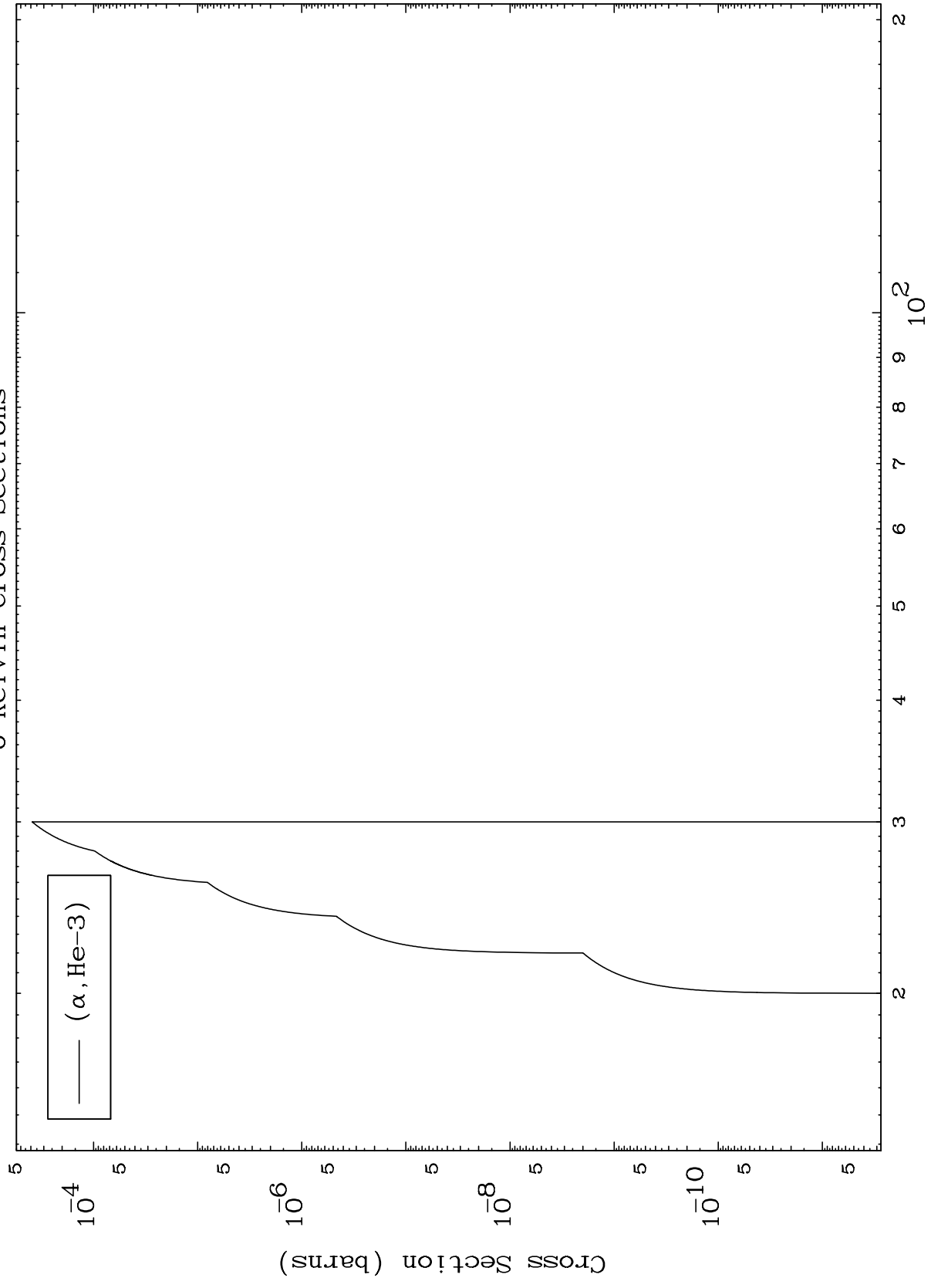
34-Se-78



8

Incident Energy (MeV)

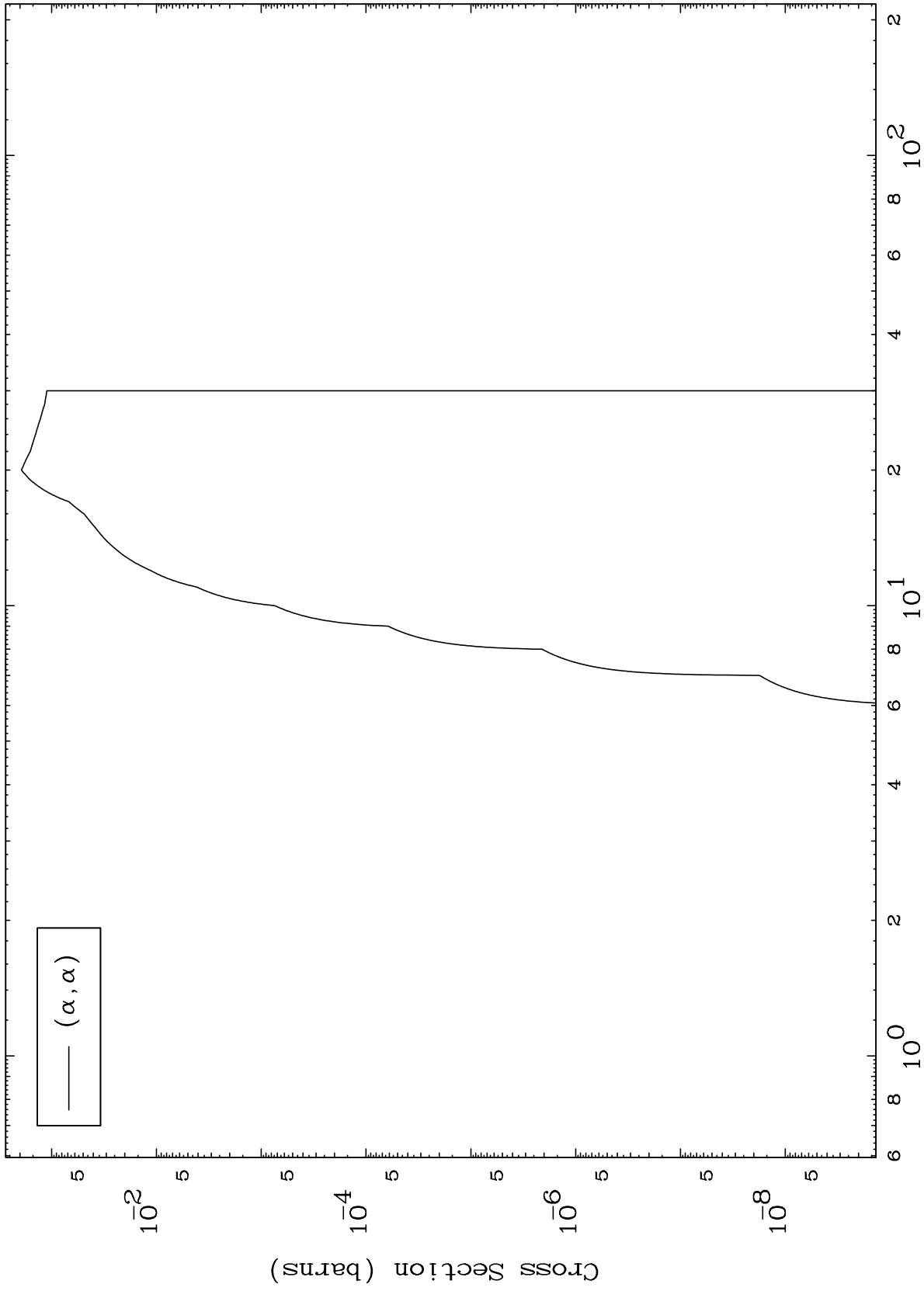
34-Se-78



MAT 3437

(α, α) Levels
0 Kelvin Cross Sections

34-Se-78



10

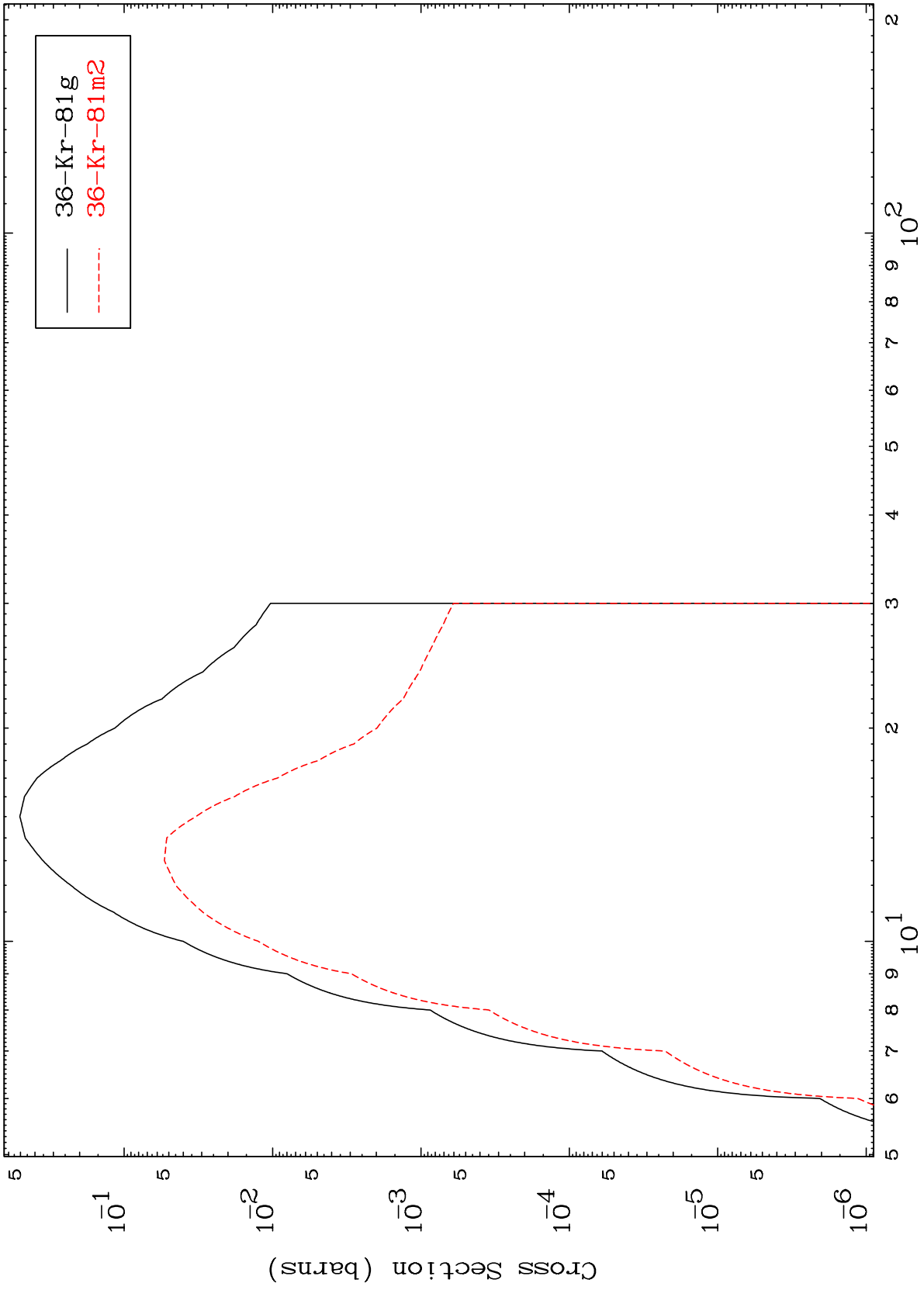
Incident Energy (MeV)

34-Se-78

MAT 3437

34-Se-78

α Inelastic
Radionuclide Production Cross Section



11

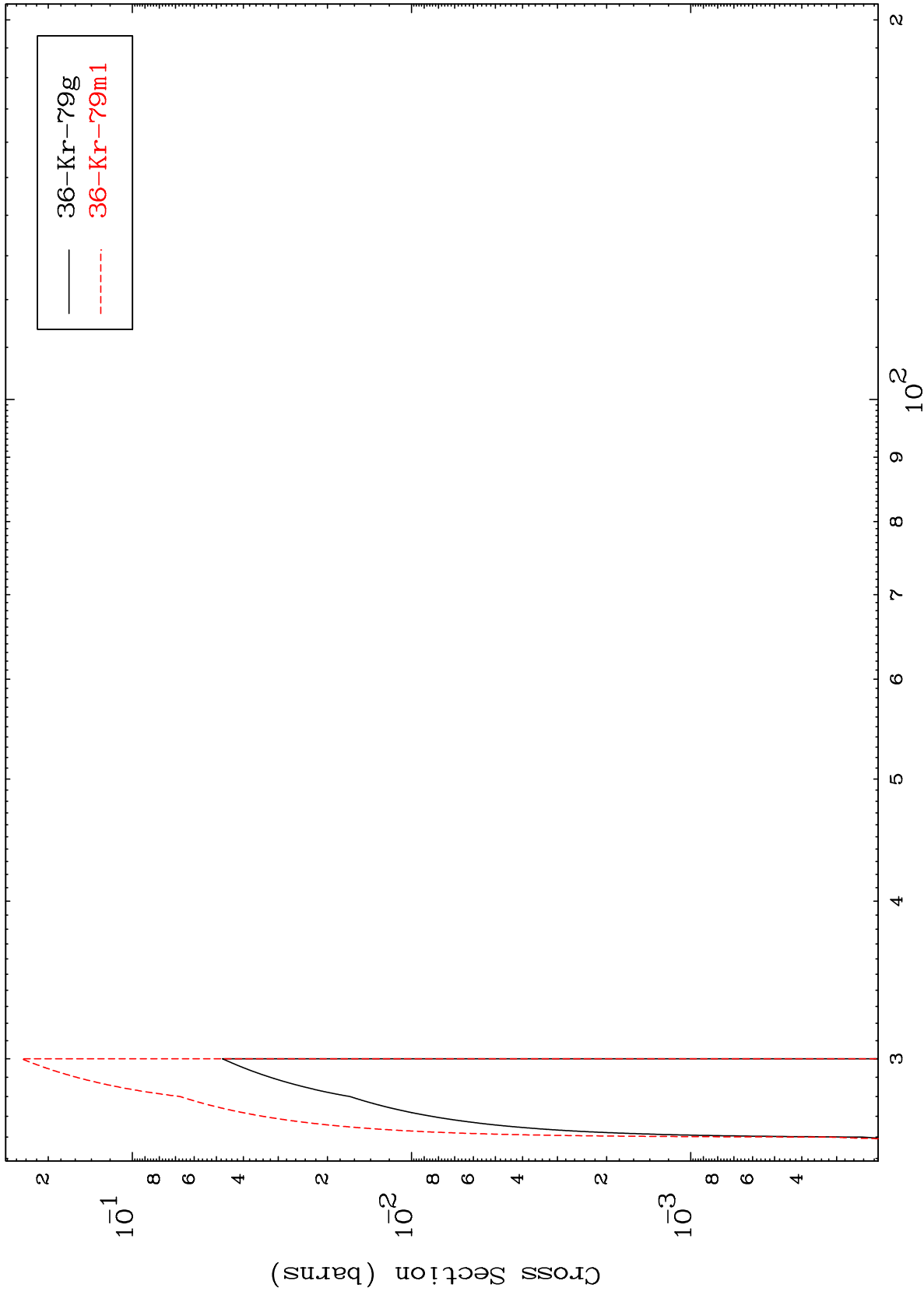
Incident Energy (MeV)

34-Se-78

MAT 3437

³⁴Se-78

($\alpha, 3n$)
Radionuclide Production Cross Section



³⁴Se-78

Incident Energy (MeV)

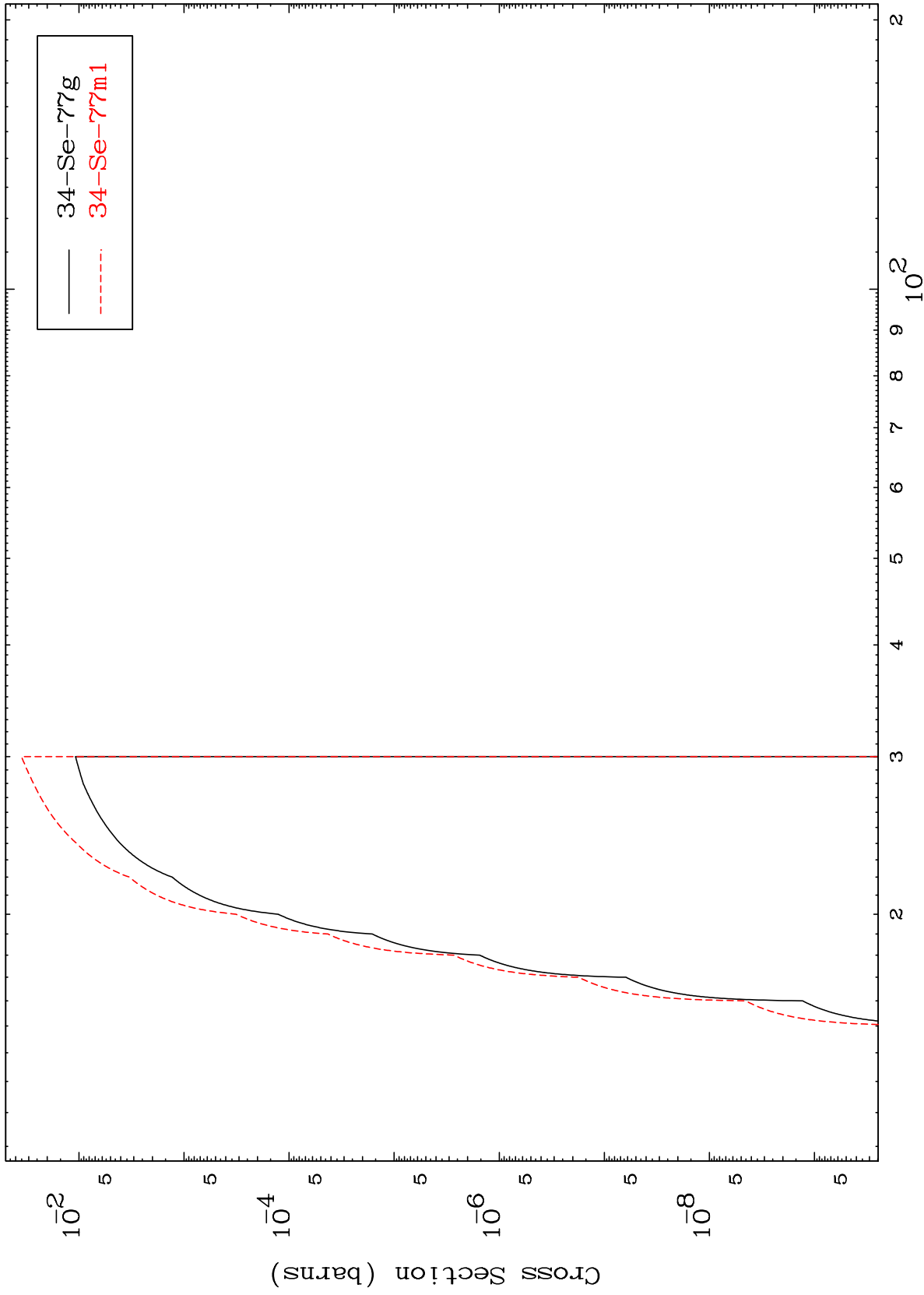
12

MAT 3437

(α, n') α

$^{34}\text{Se-78}$

Radionuclide Production Cross Section



13

Incident Energy (MeV)

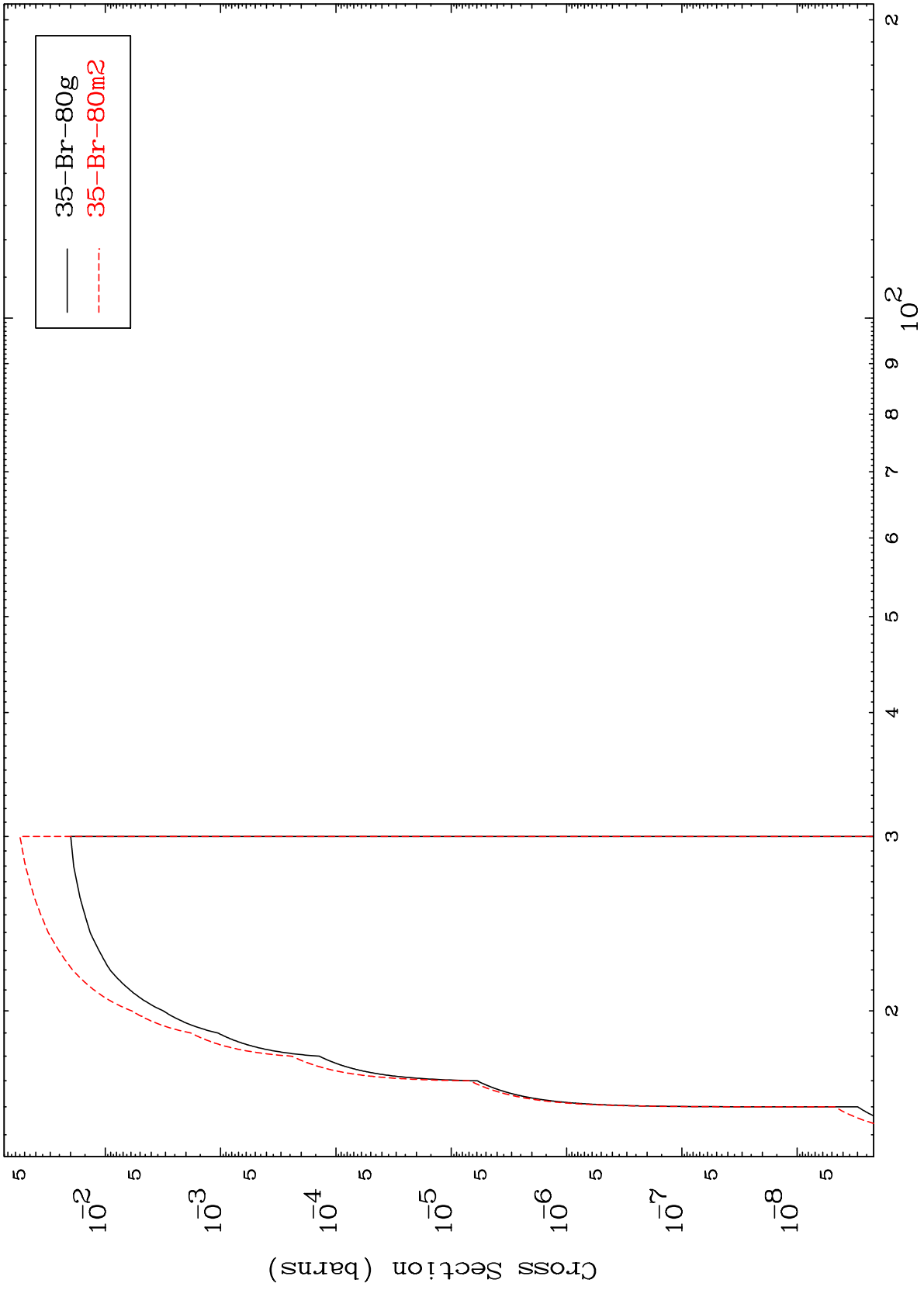
$^{34}\text{Se-78}$

MAT 3437

(α, n') p

³⁴Se-78

Radionuclide Production Cross Section



14

Incident Energy (MeV)

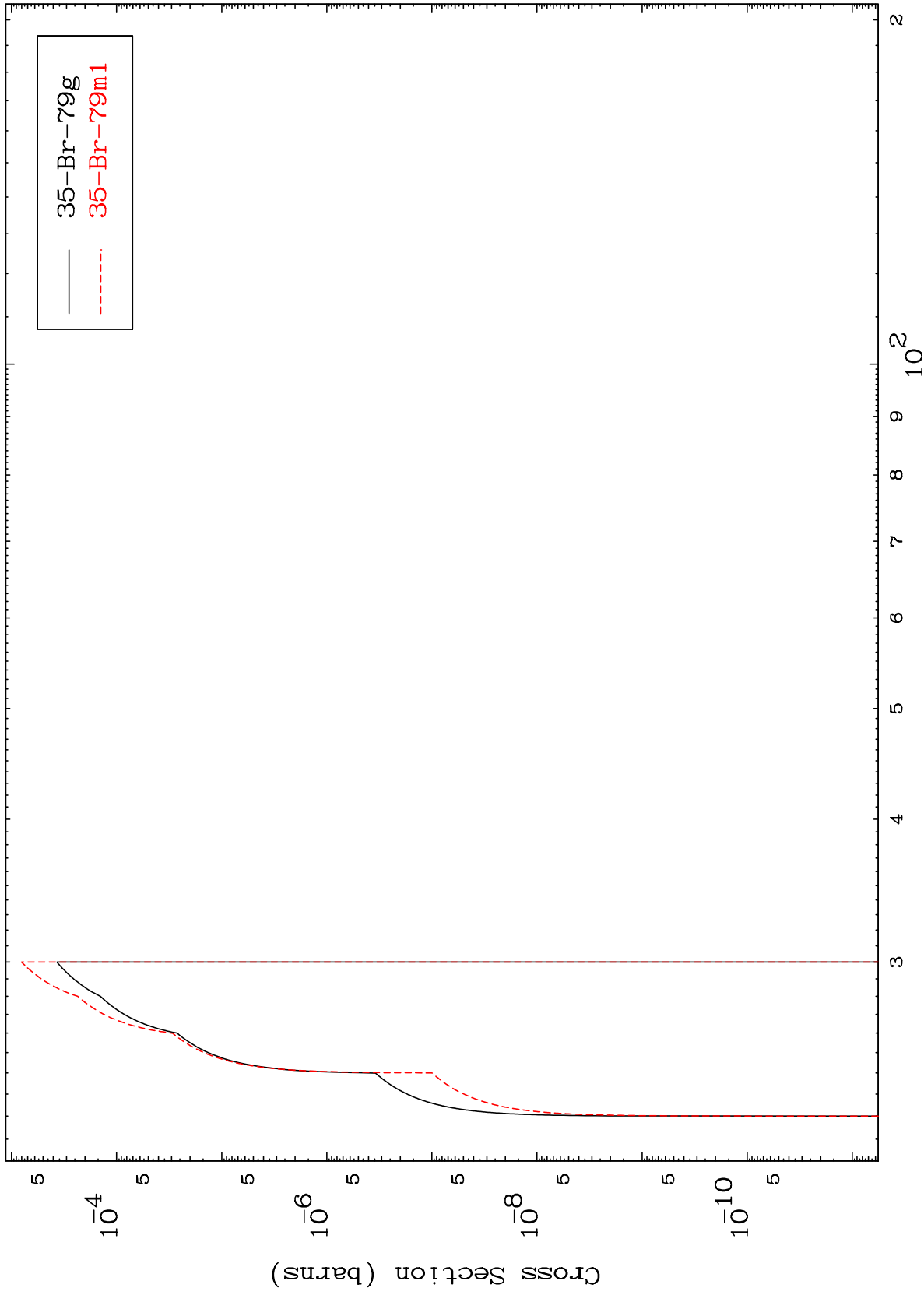
³⁴Se-78

MAT 3437

(α, n') d

³⁴Se-78

Radionuclide Production Cross Section



15

Incident Energy (MeV)

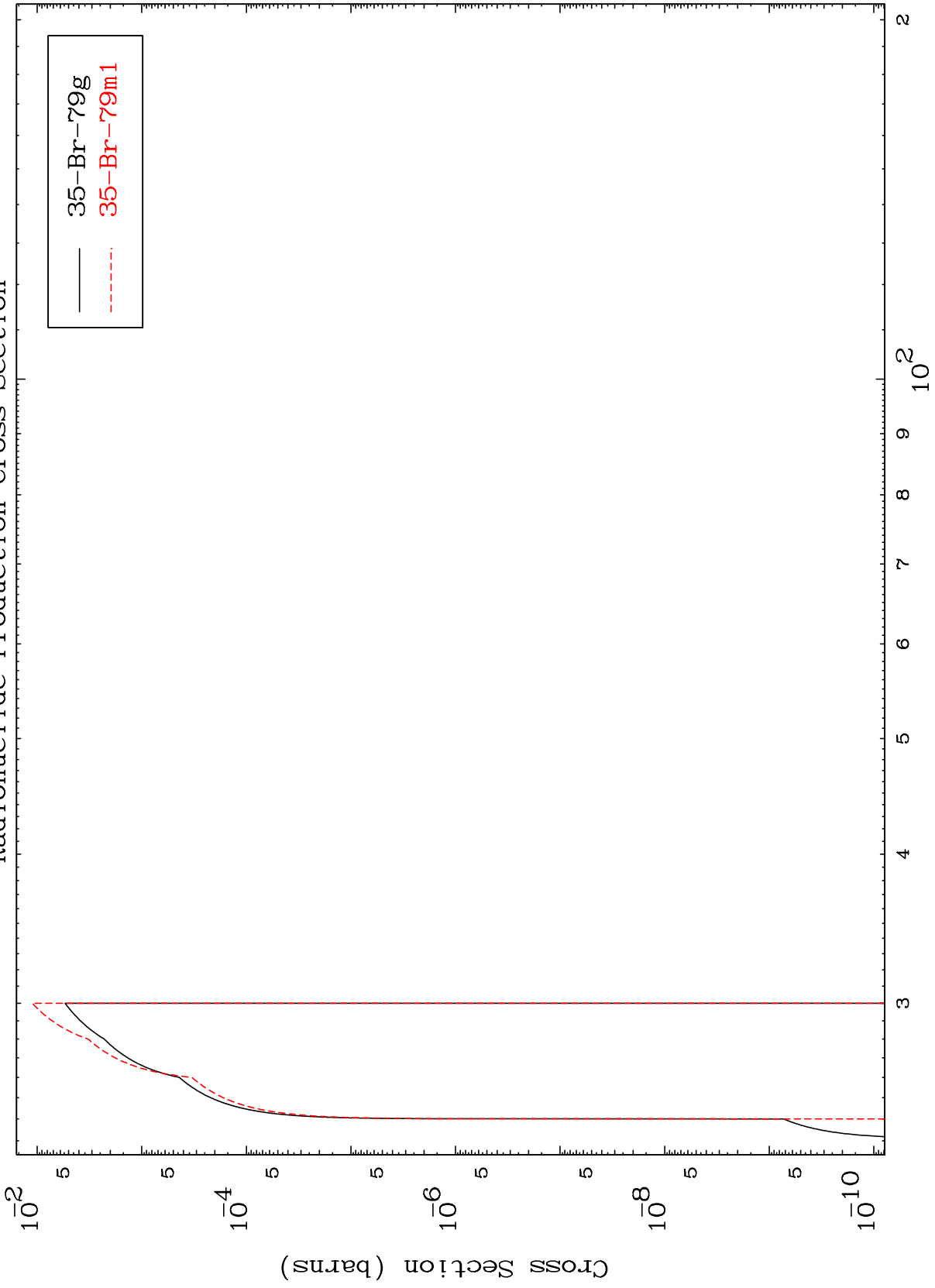
³⁴Se-78

MAT 3437

$(\alpha, 2n)$ p

$^{34}\text{Se-78}$

Radionuclide Production Cross Section



16

Incident Energy (MeV)

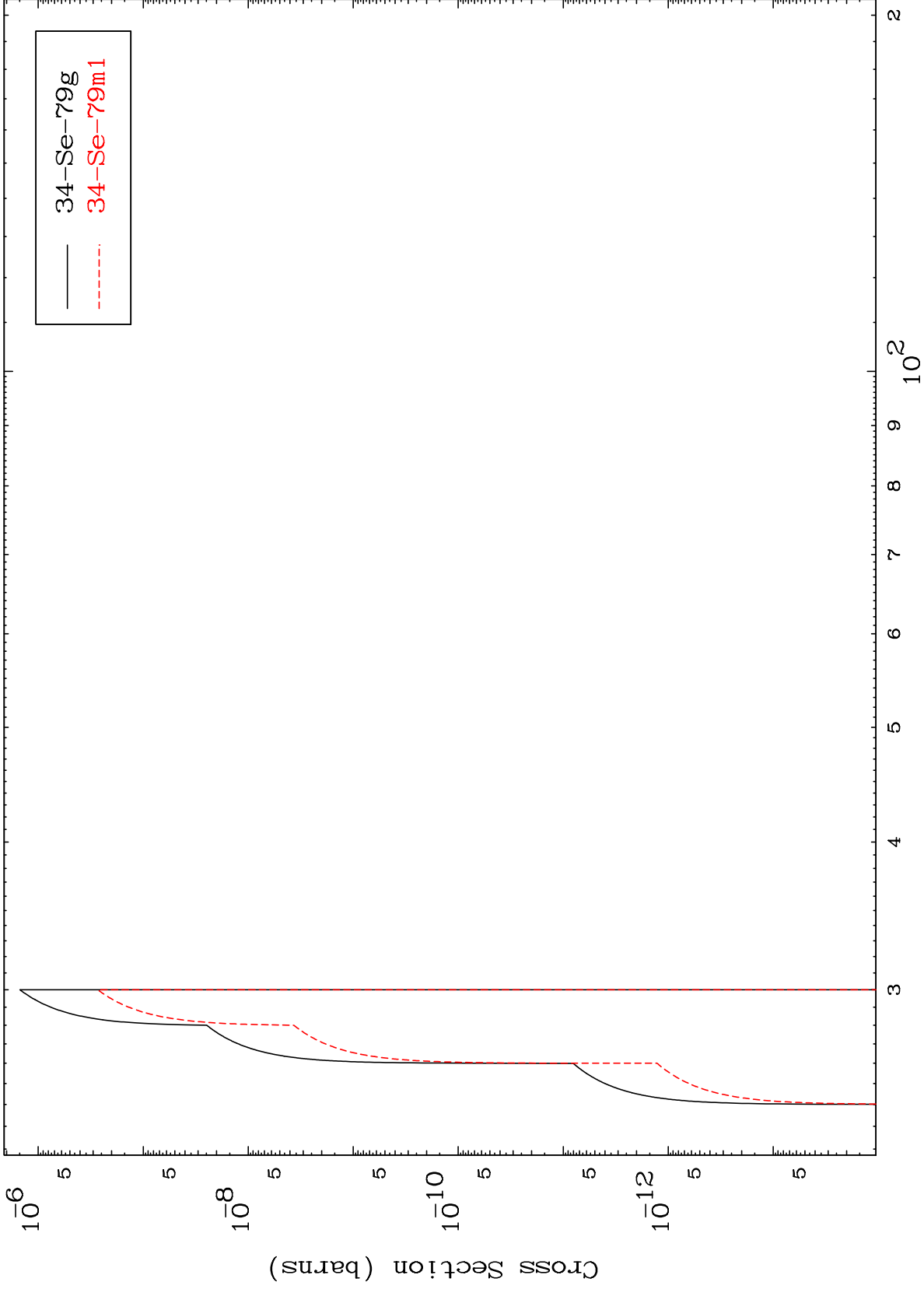
$^{34}\text{Se-78}$

MAT 3437

($\alpha, 2n$) p

³⁴Se-78

Radionuclide Production Cross Section



17

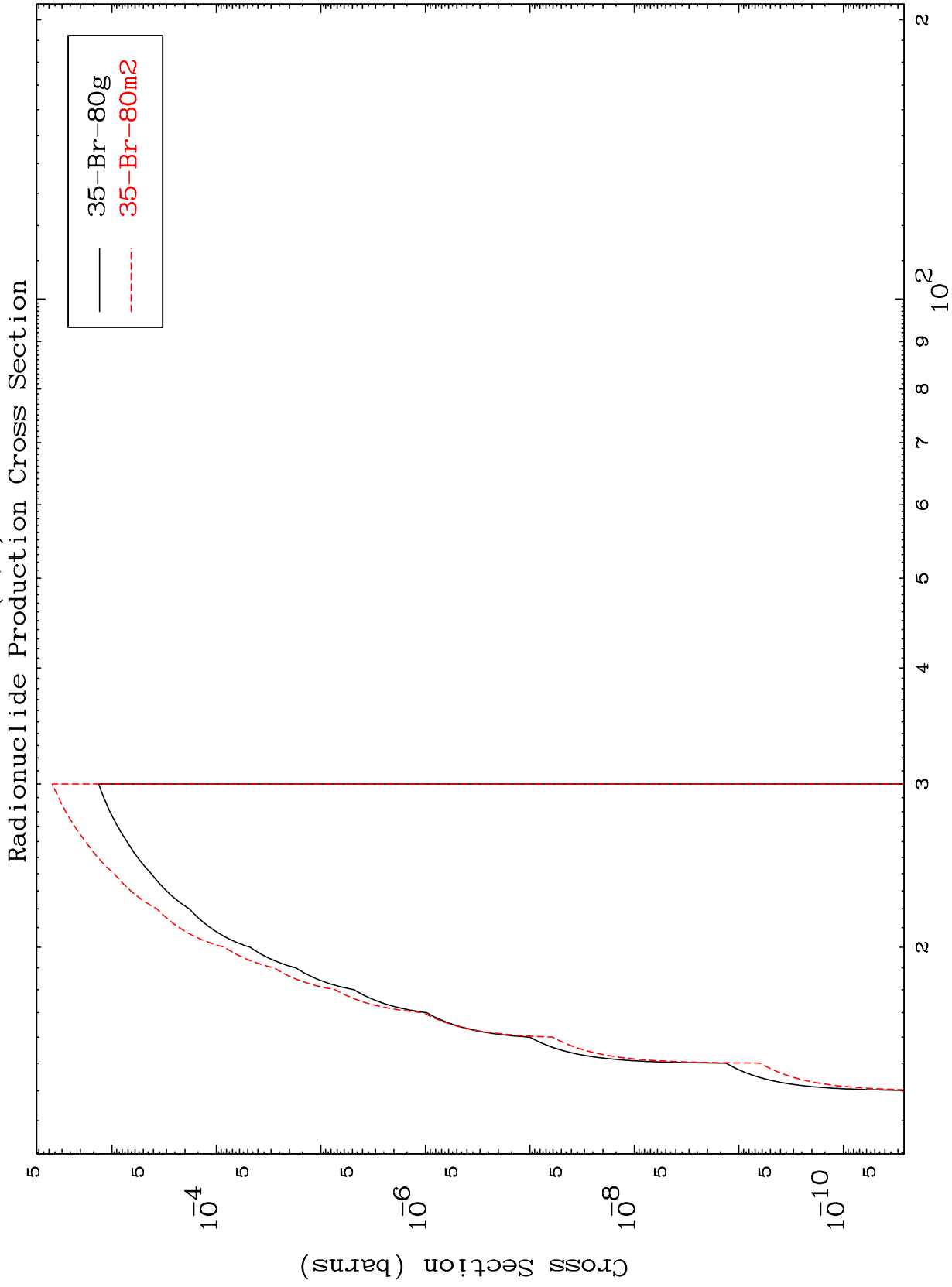
Incident Energy (MeV)

³⁴Se-78

MAT 3437

(α, d)

³⁴Se-78



18

Incident Energy (MeV)

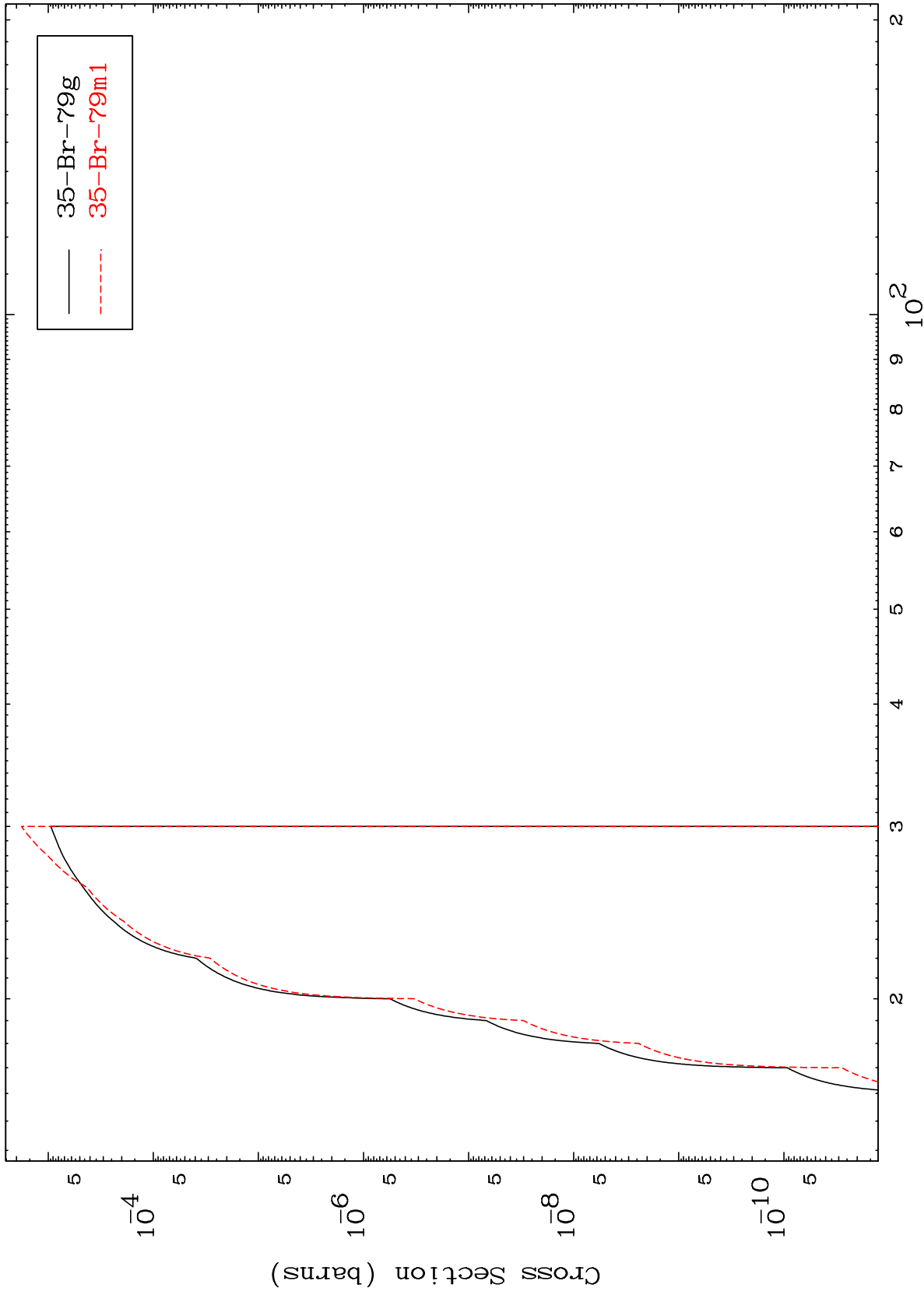
³⁴Se-78

MAT 3437

(α, t)

³⁴Se-78

Radionuclide Production Cross Section



19

Incident Energy (MeV)

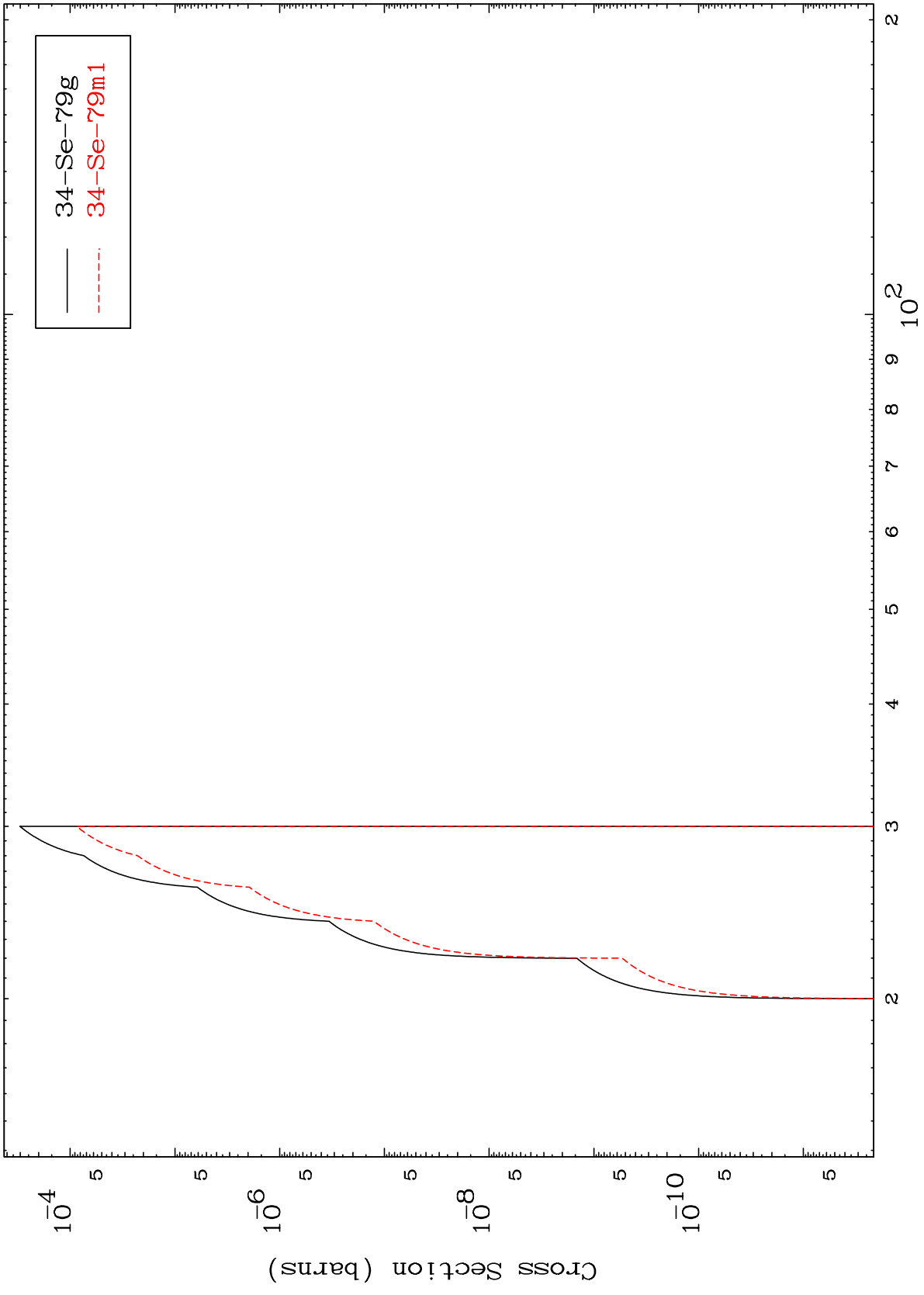
³⁴Se-78

MAT 3437

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

$^{34}\text{Se-78}$

Radionuclide Production Cross Section



20

Incident Energy (MeV)

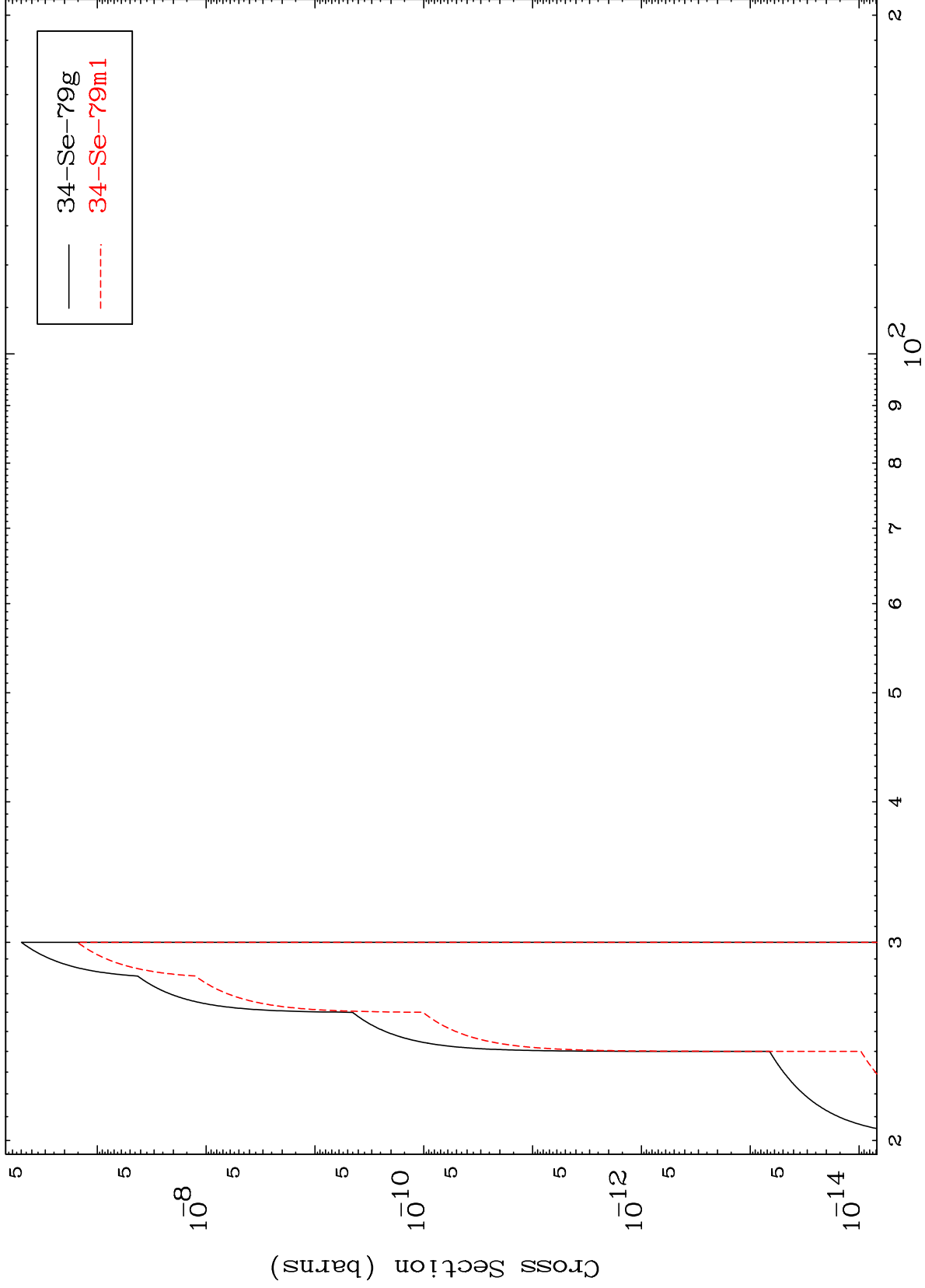
$^{34}\text{Se-78}$

MAT 3437

(α, p) d

³⁴Se-78

Radionuclide Production Cross Section



21

Incident Energy (MeV)

³⁴Se-78