

Program EVALPLOT
(Version 2018-1)

by

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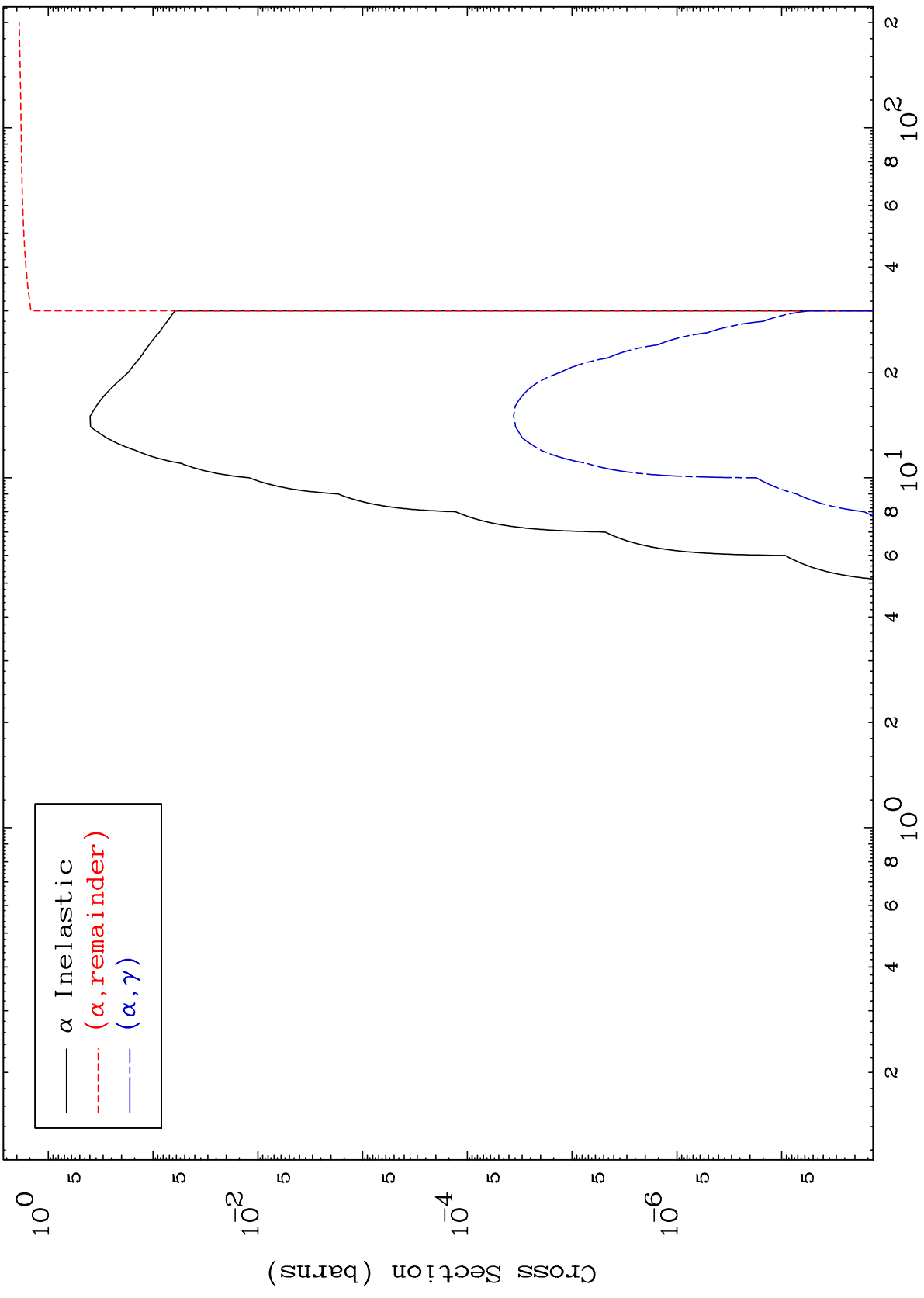
Press Mouse Button to Start

MAT 3835

α Major

38-Sr-87

0 Kelvin Cross Sections

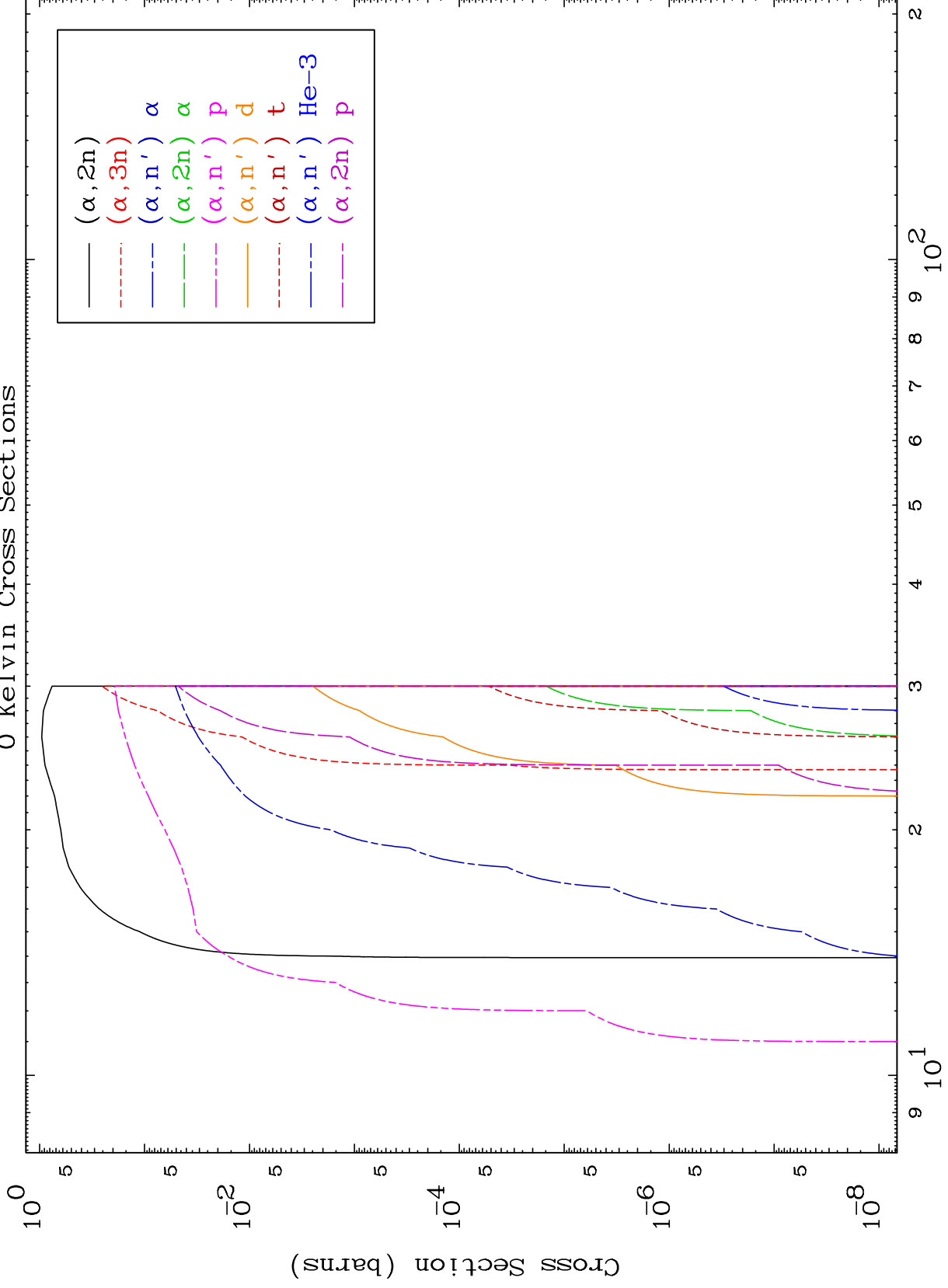


α Inelastic
(α , remainder)
(α , γ)

MAT 3835

α Neutron Production
0 Kelvin Cross Sections

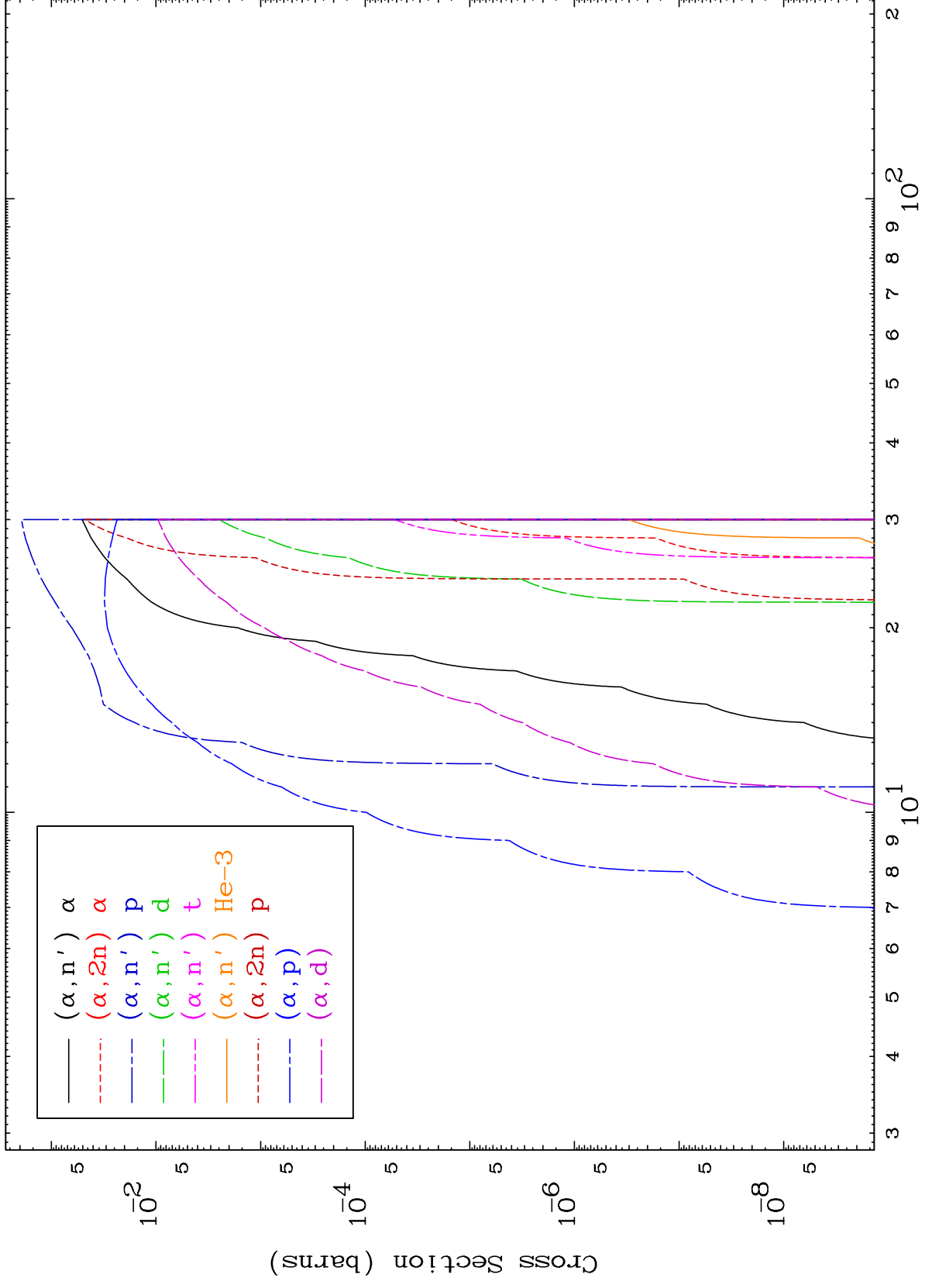
38-Sr-87



2

Incident Energy (MeV)

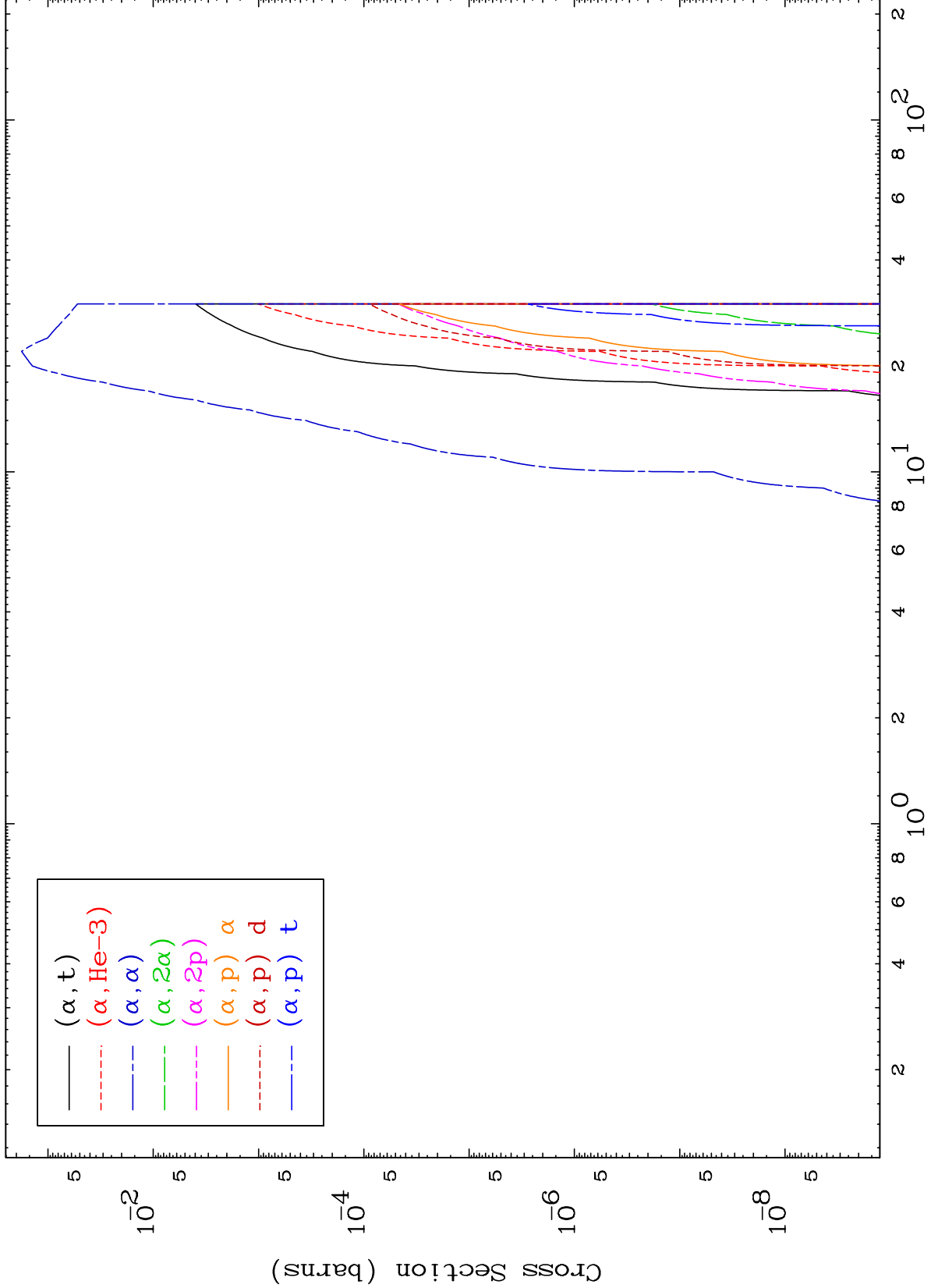
38-Sr-87



MAT 3835

α Charged Particle
0 Kelvin Cross Sections

38-Sr-87

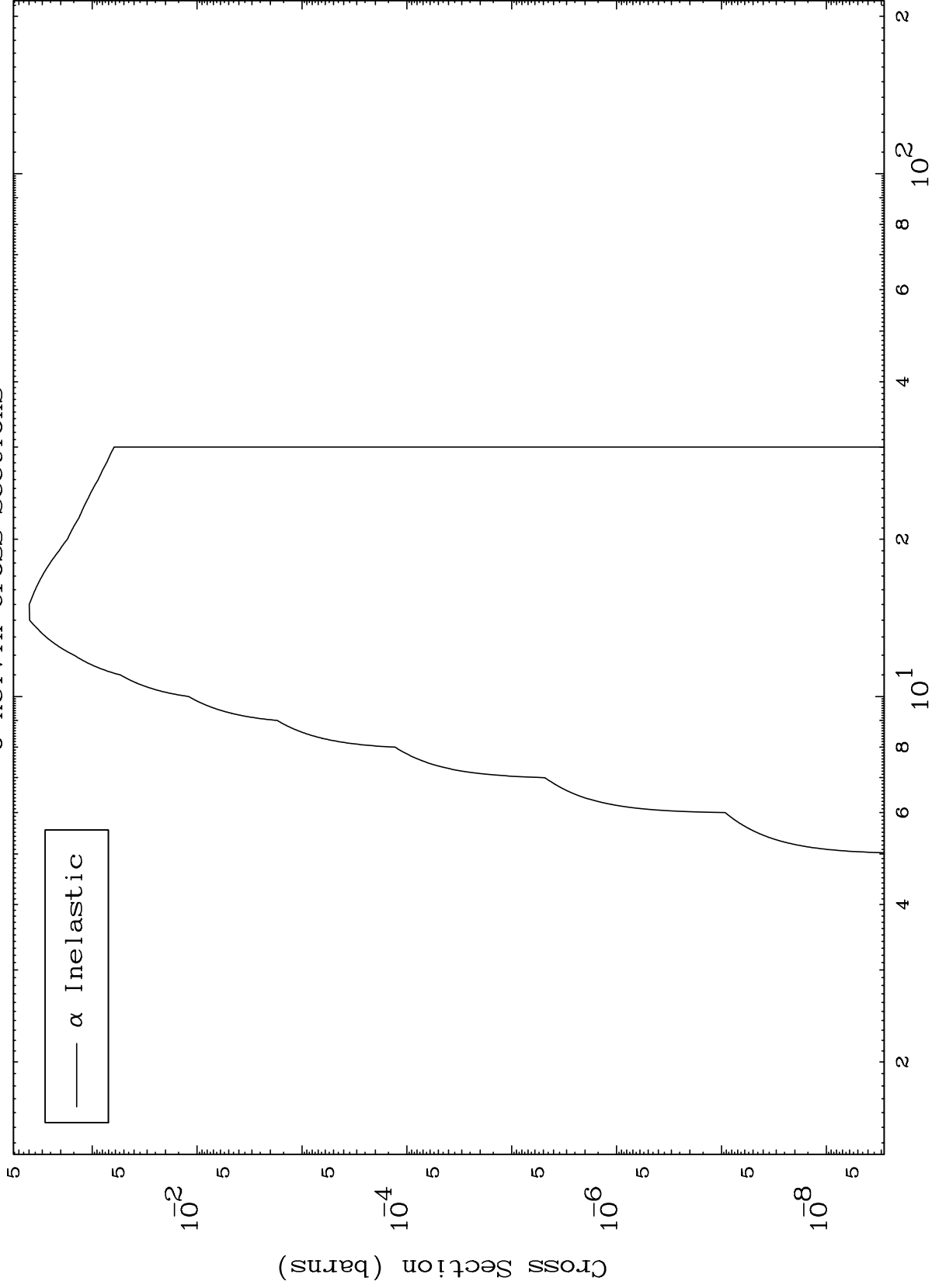


MAT 3835

(α, n') Level

38-Sr-87

0 Kelvin Cross Sections



5

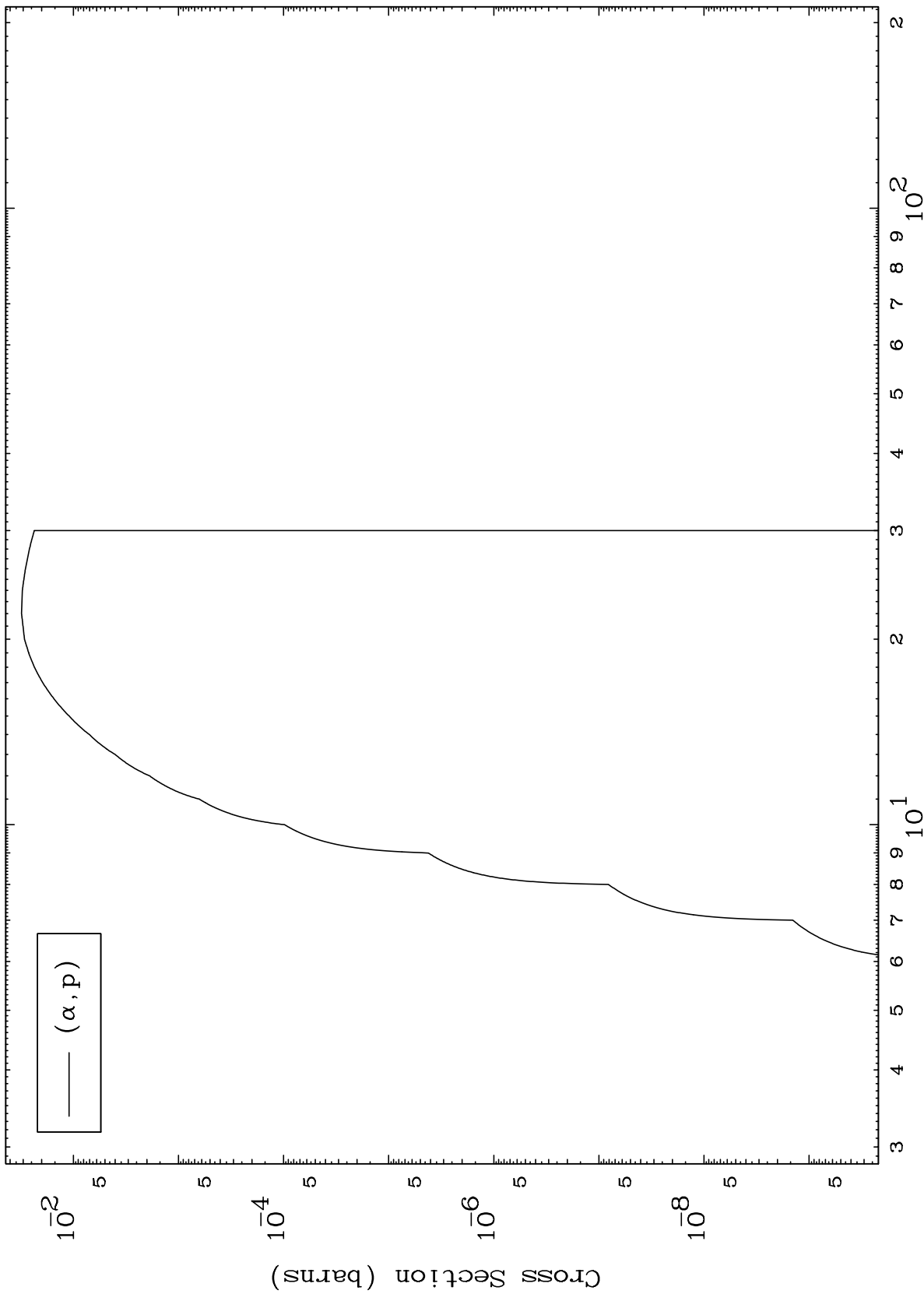
Incident Energy (MeV)

38-Sr-87

MAT 3835

38-Sr-87

(α, p) Levels
0 Kelvin Cross Sections



38-Sr-87

Incident Energy (MeV)

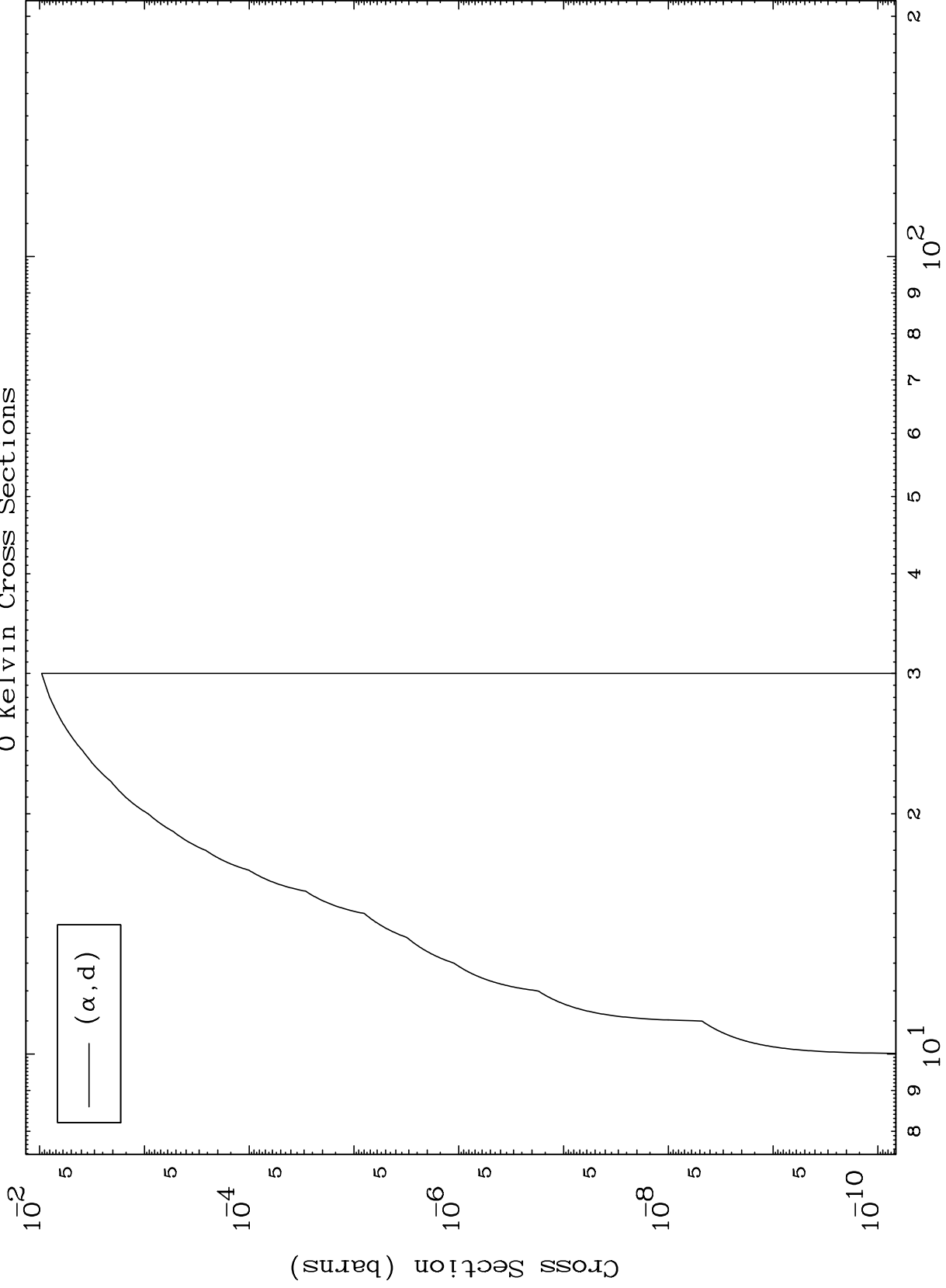
6

MAT 3835

(α, d) Levels

³⁸Sr-87

0 Kelvin Cross Sections



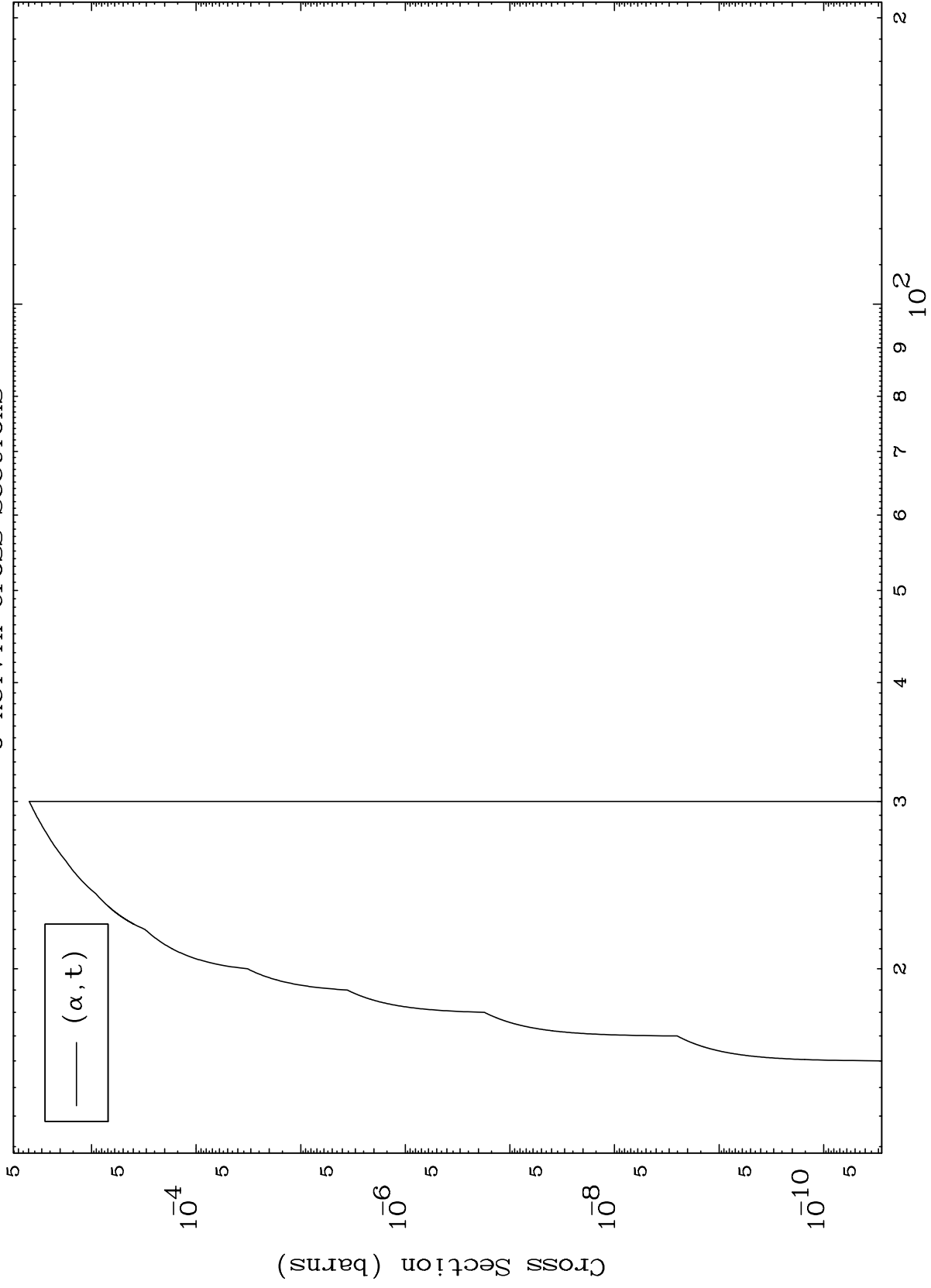
Incident Energy (MeV)

³⁸Sr-87

MAT 3835

(α, t) Levels
0 Kelvin Cross Sections

38-Sr-87



8

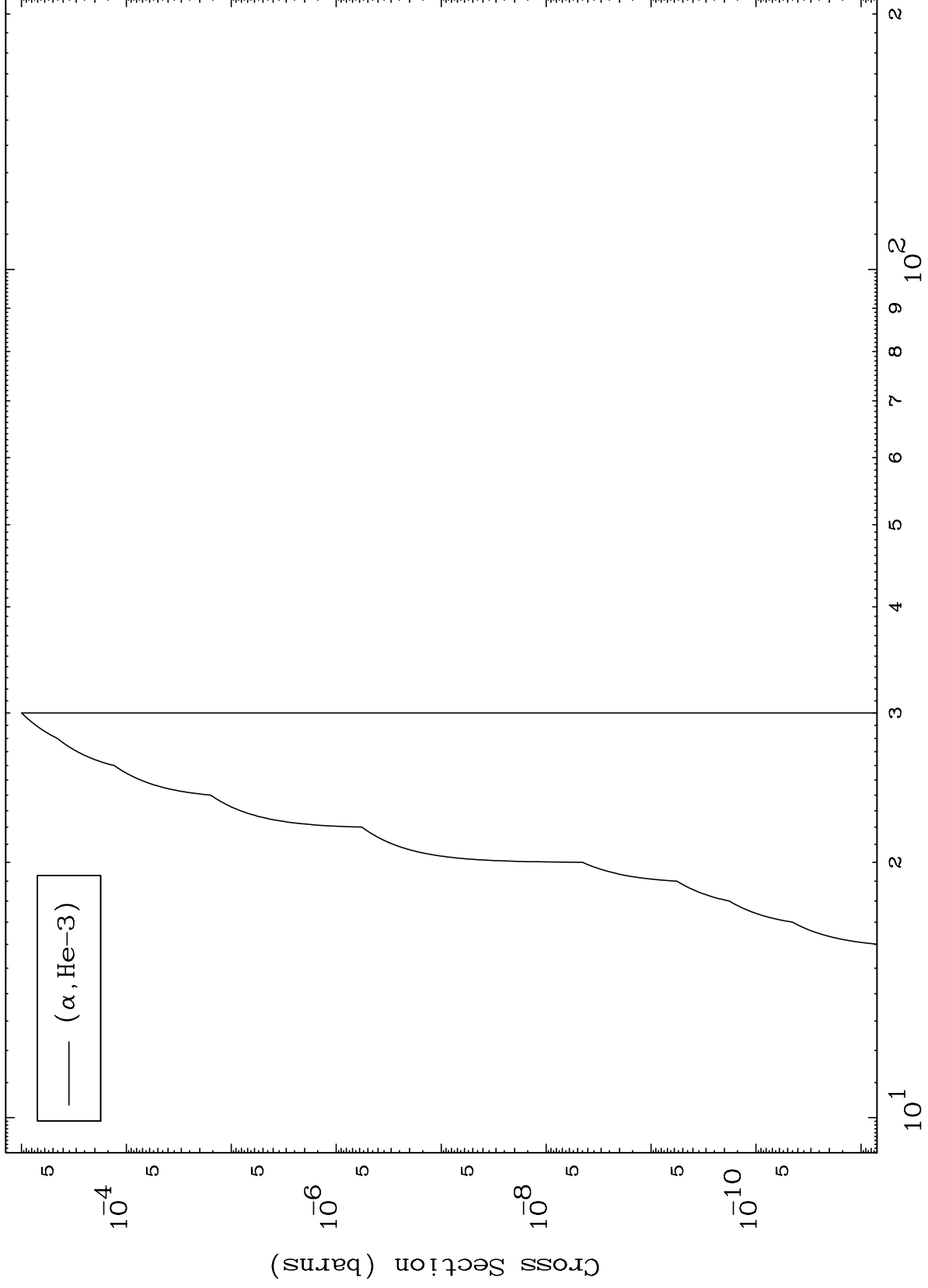
Incident Energy (MeV)

38-Sr-87

MAT 3835

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

38-Sr-87



Incident Energy (MeV)

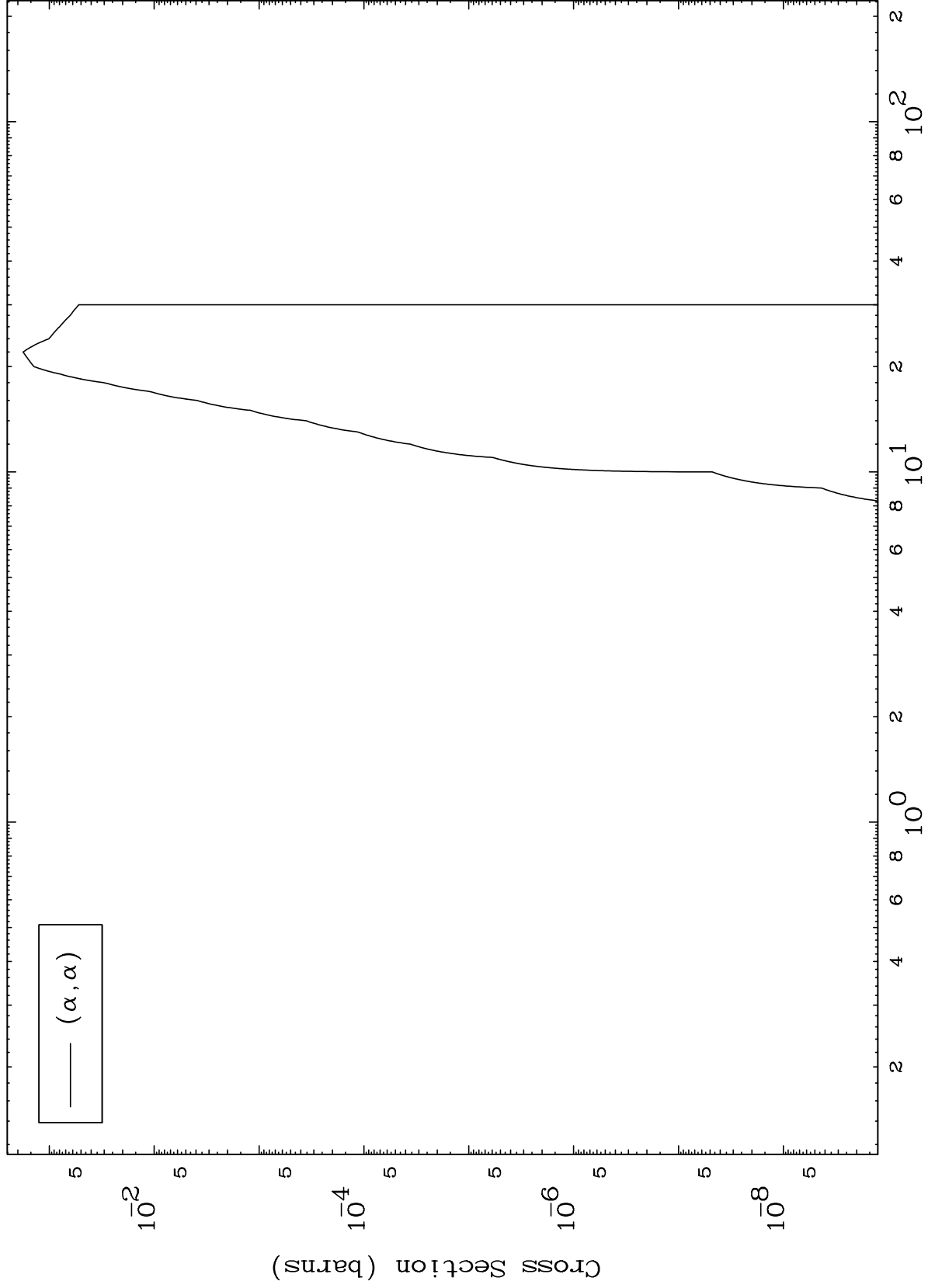
38-Sr-87

MAT 3835

(α, α) Levels

38-Sr-87

0 Kelvin Cross Sections



10

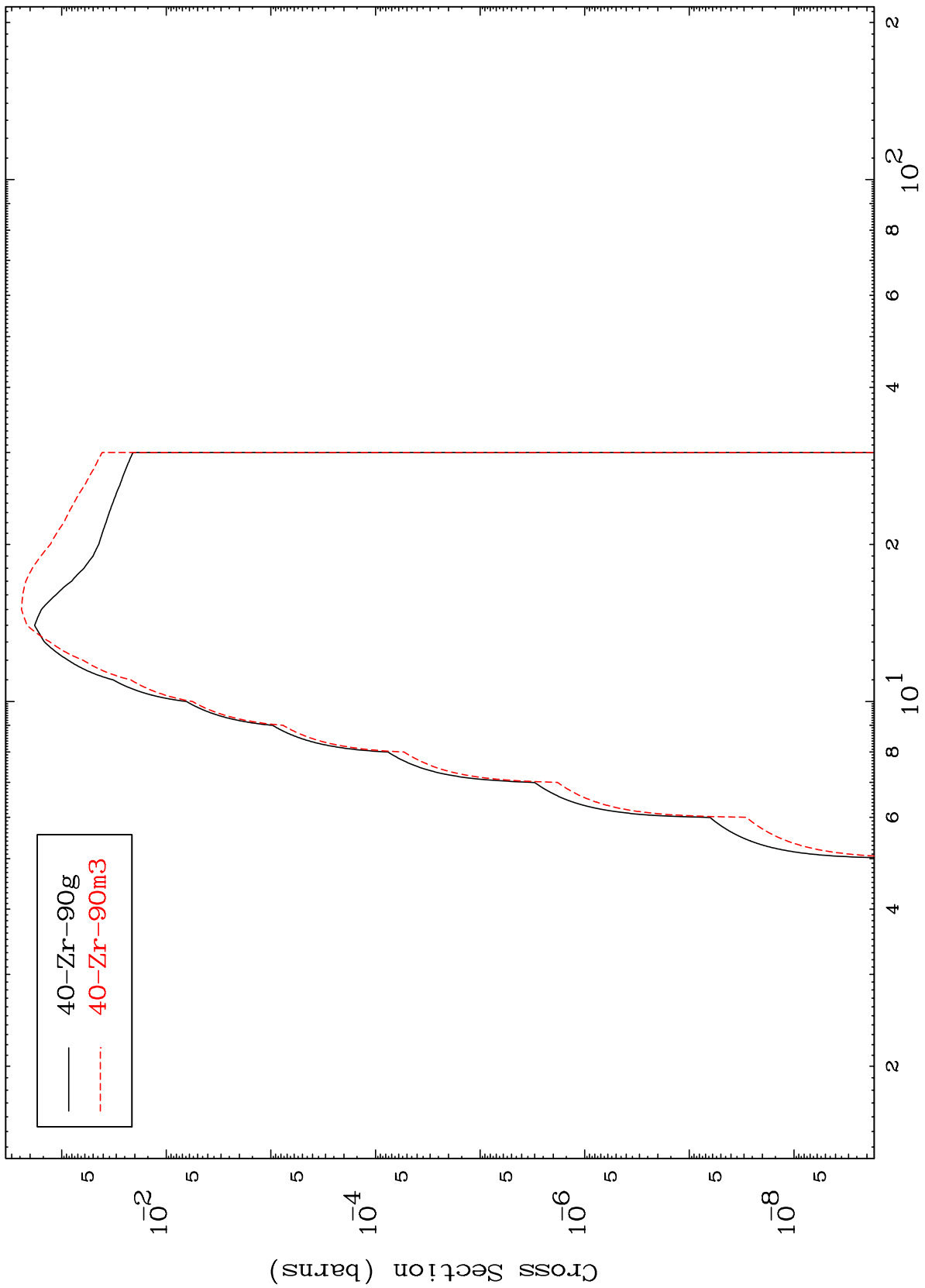
Incident Energy (MeV)

38-Sr-87

MAT 3835

38-Sr-87

Radionuclide Production Cross Section
 α Inelastic



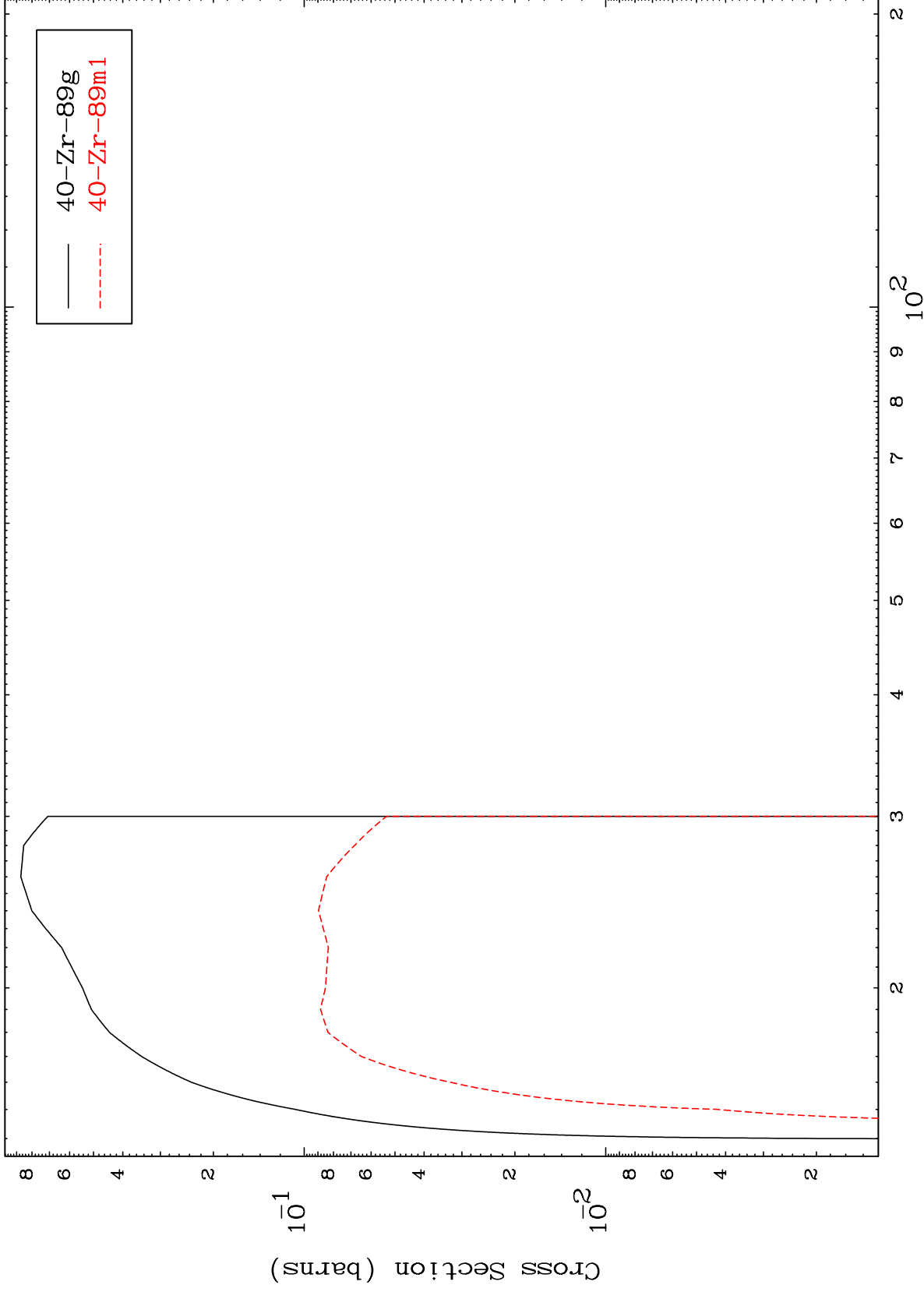
38-Sr-87

MAT 3835

($\alpha, 2n$)

38-Sr-87

Radionuclide Production Cross Section



12

Incident Energy (MeV)

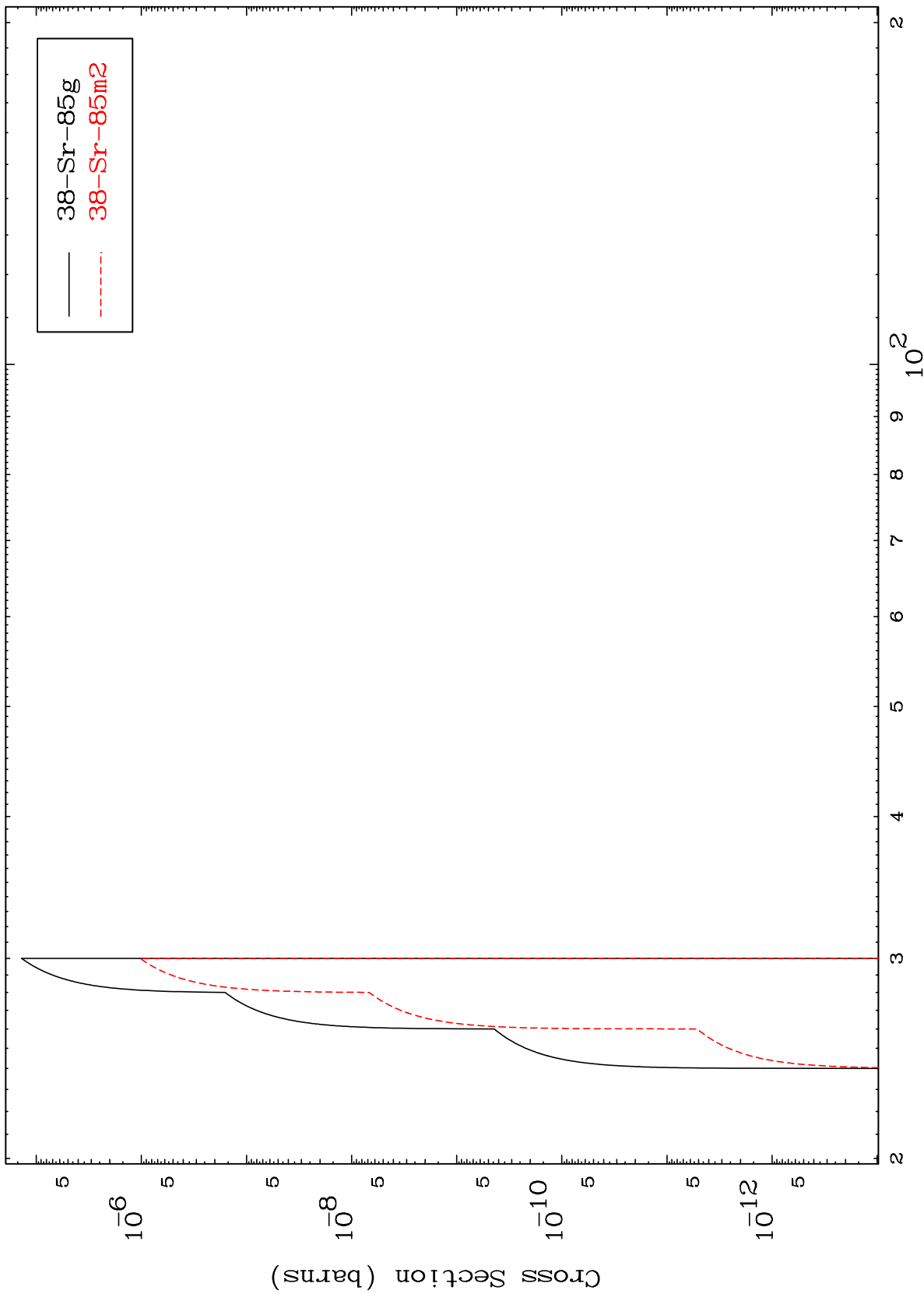
38-Sr-87

MAT 3835

$(\alpha, 2n)$ α

$^{38}\text{Sr}-87$

Radionuclide Production Cross Section



13

Incident Energy (MeV)

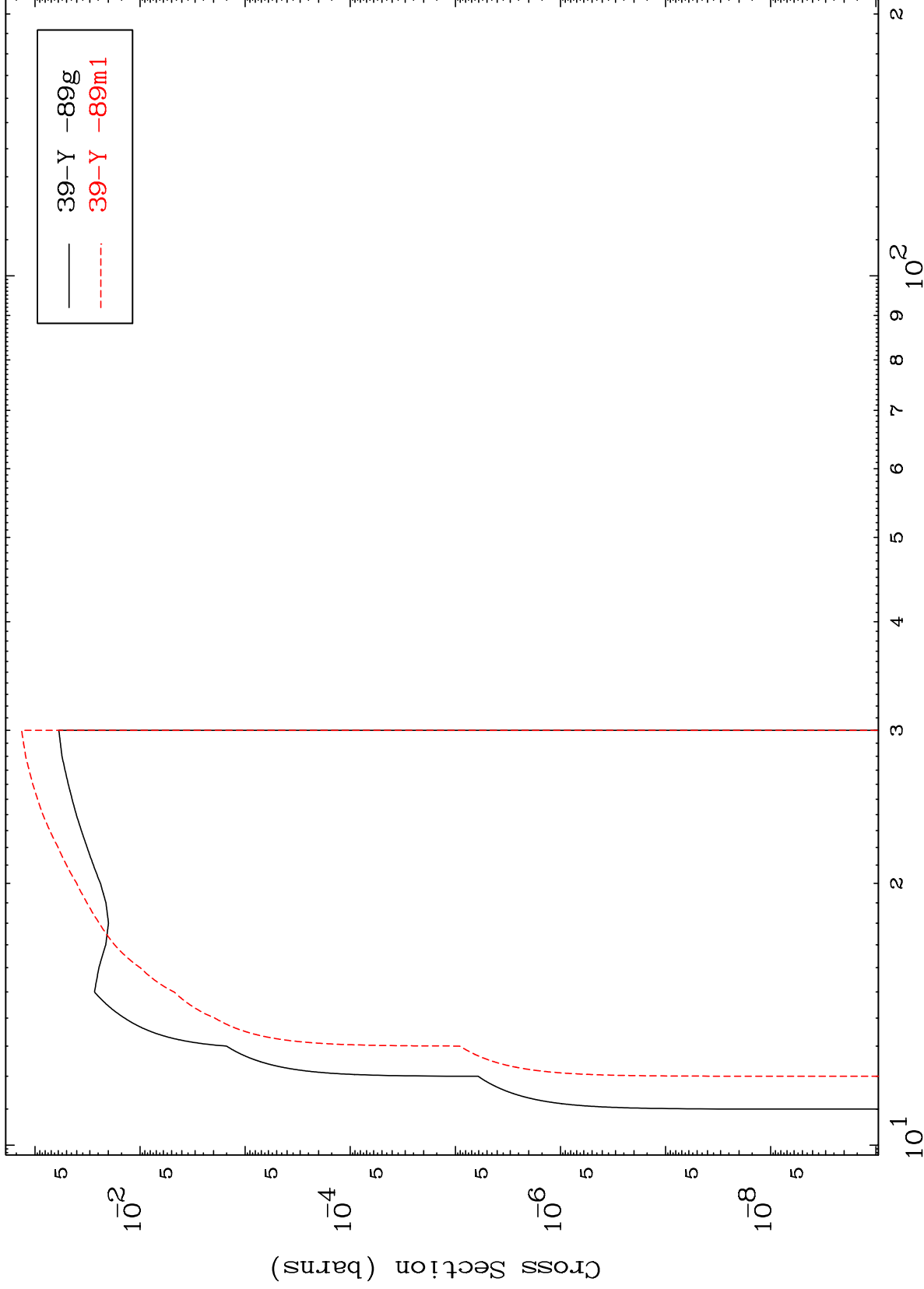
$^{38}\text{Sr}-87$

MAT 3835

(α, n') p

38-Sr-87

Radionuclide Production Cross Section



Incident Energy (MeV)

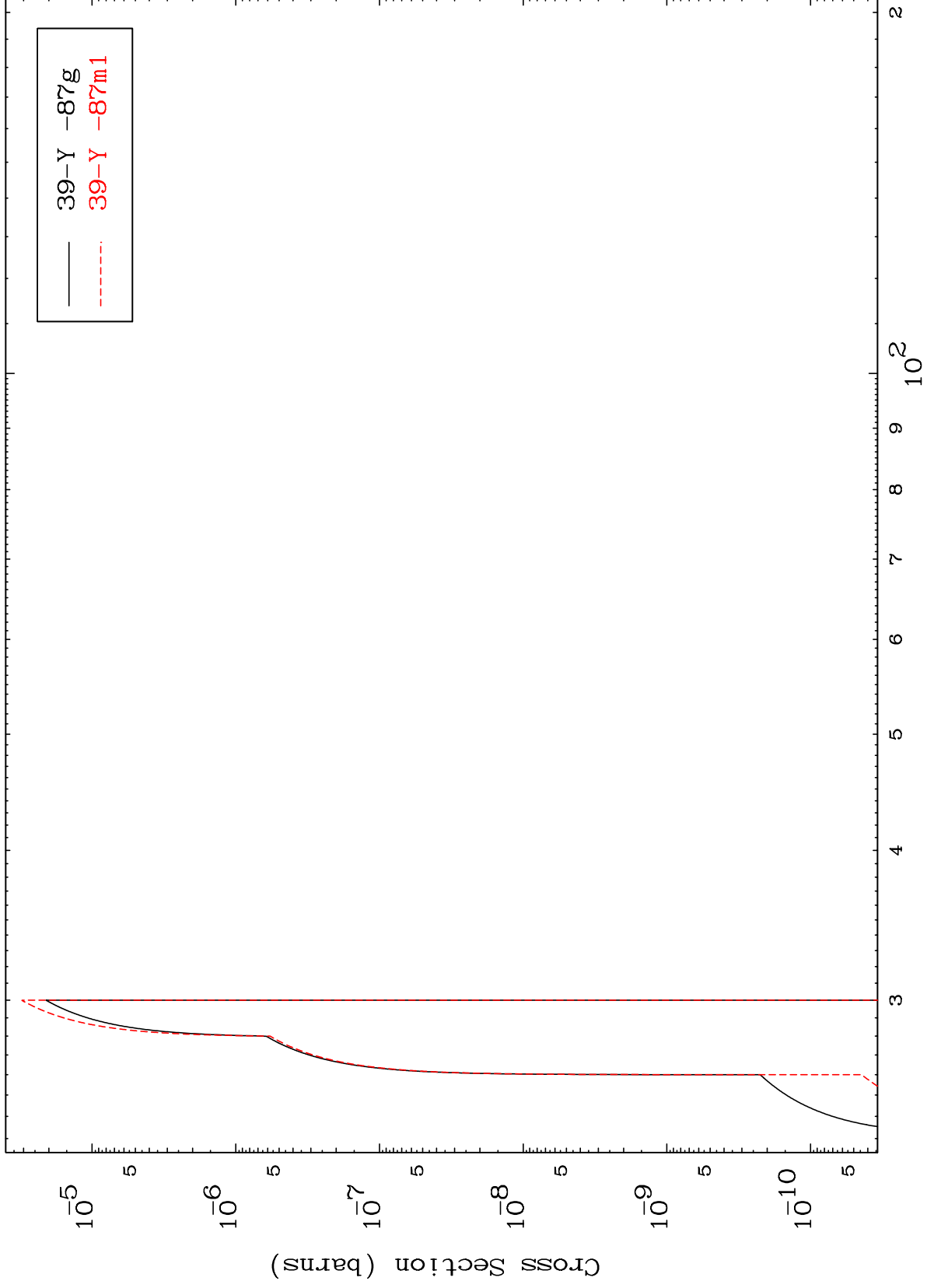
38-Sr-87

MAT 3835

(α, n') t

38-Sr-87

Radionuclide Production Cross Section



15

Incident Energy (MeV)

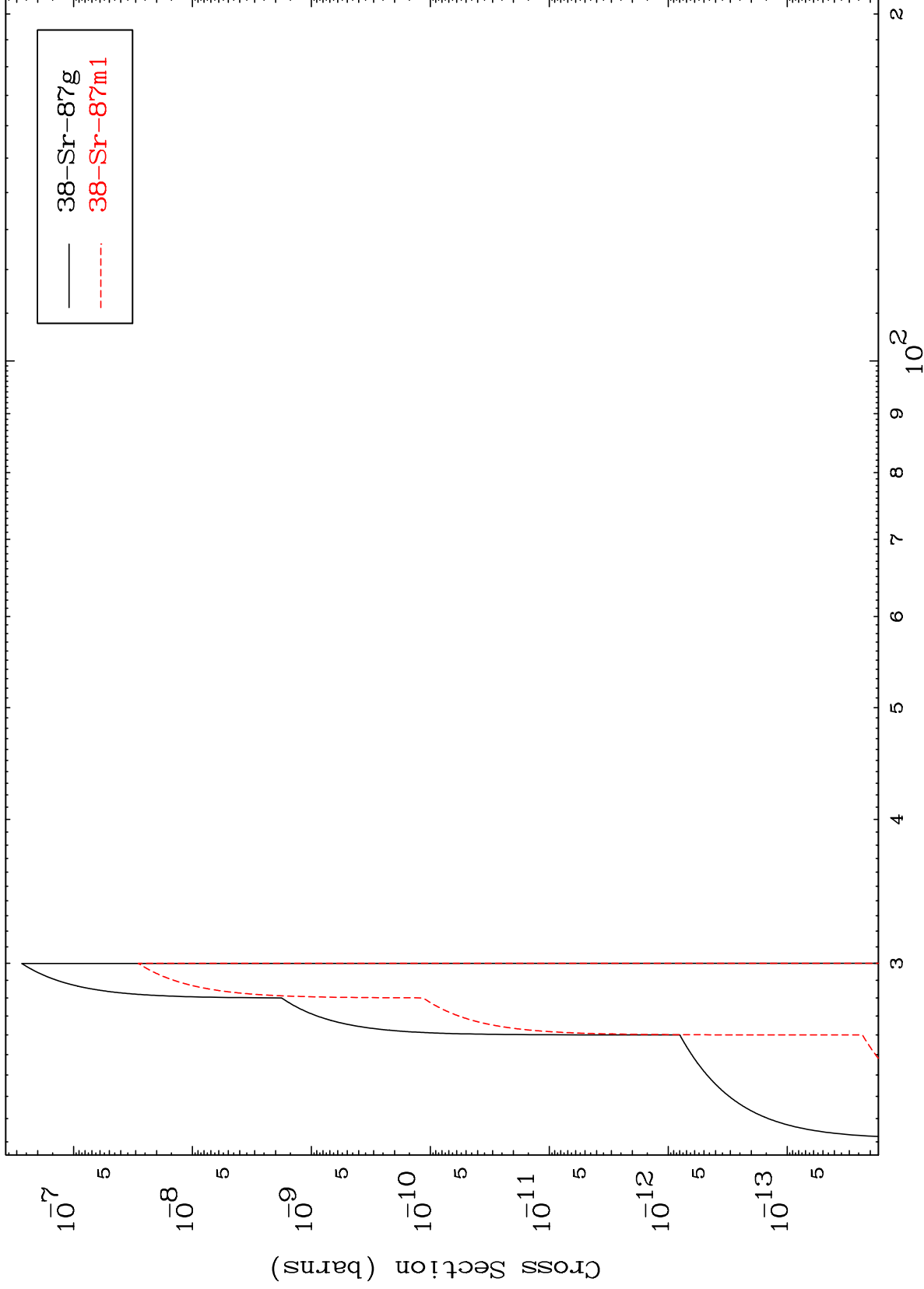
38-Sr-87

MAT 3835

(α, n') He-3

38-Sr-87

Radionuclide Production Cross Section



16

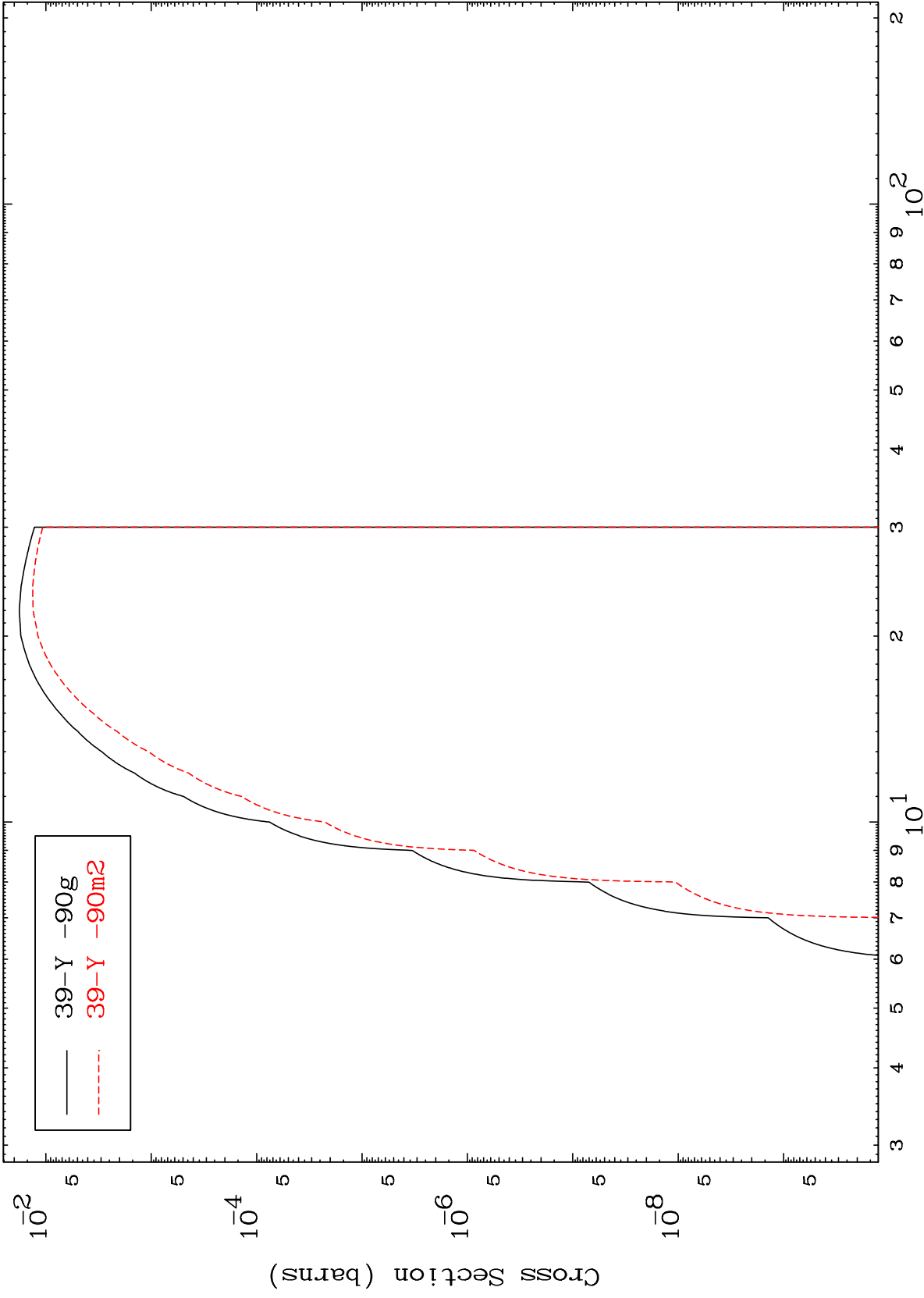
Incident Energy (MeV)

38-Sr-87

MAT 3835

38-Sr-87

(α, p)
Radionuclide Production Cross Section



17

Incident Energy (MeV)

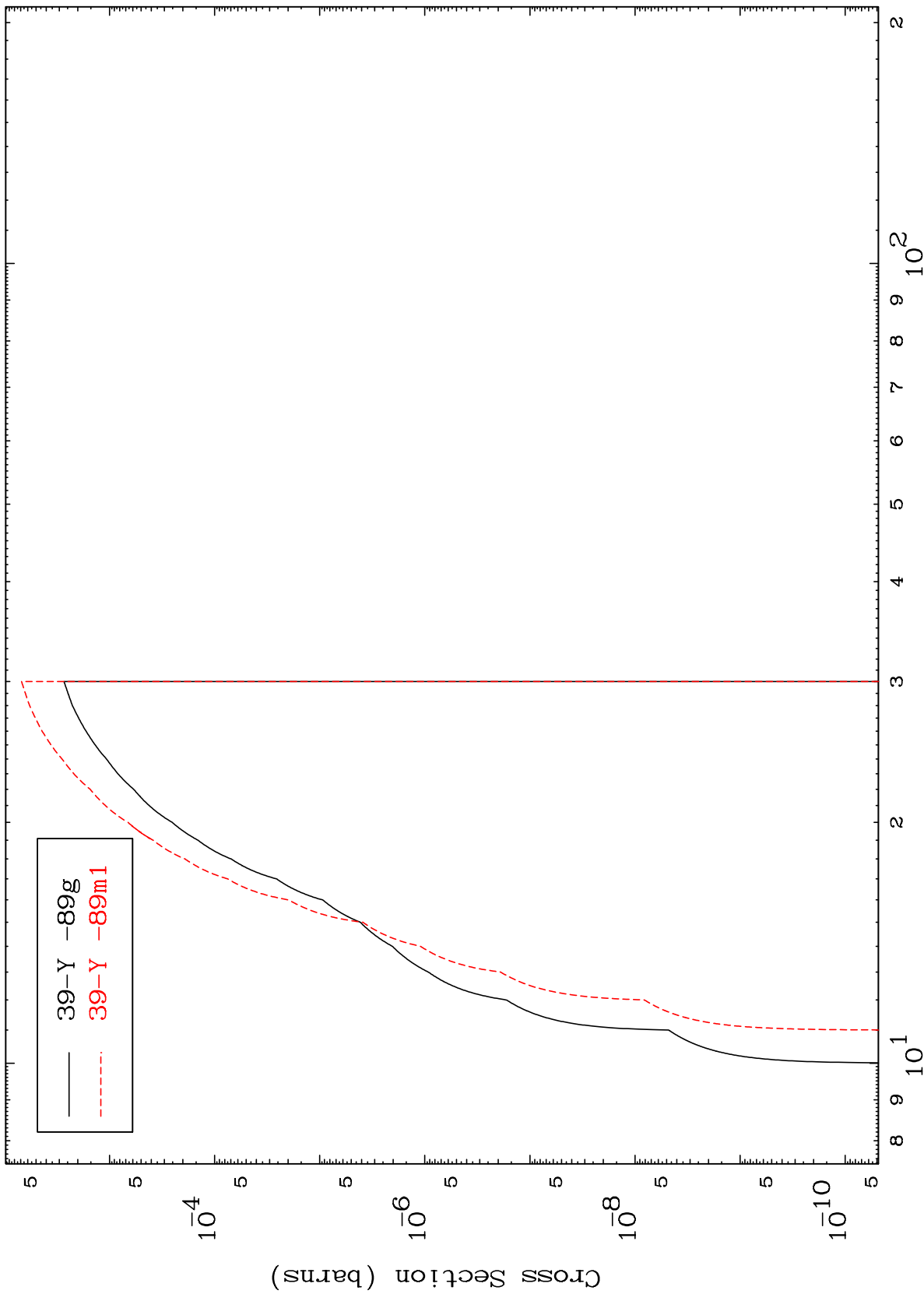
38-Sr-87

MAT 3835

(α, d)

38-Sr-87

Radionuclide Production Cross Section



18

Incident Energy (MeV)

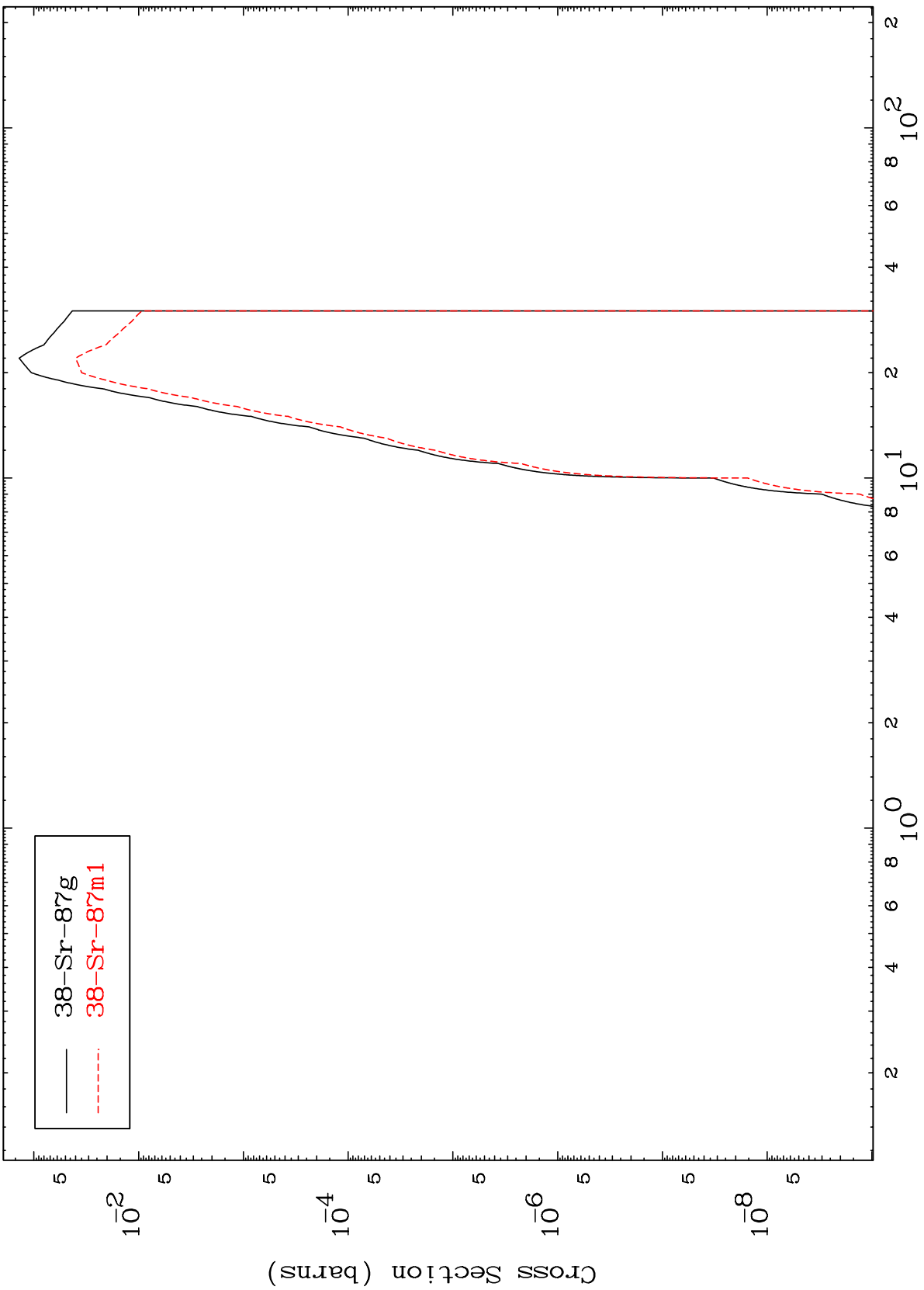
38-Sr-87

MAT 3835

(α, α)

38-Sr-87

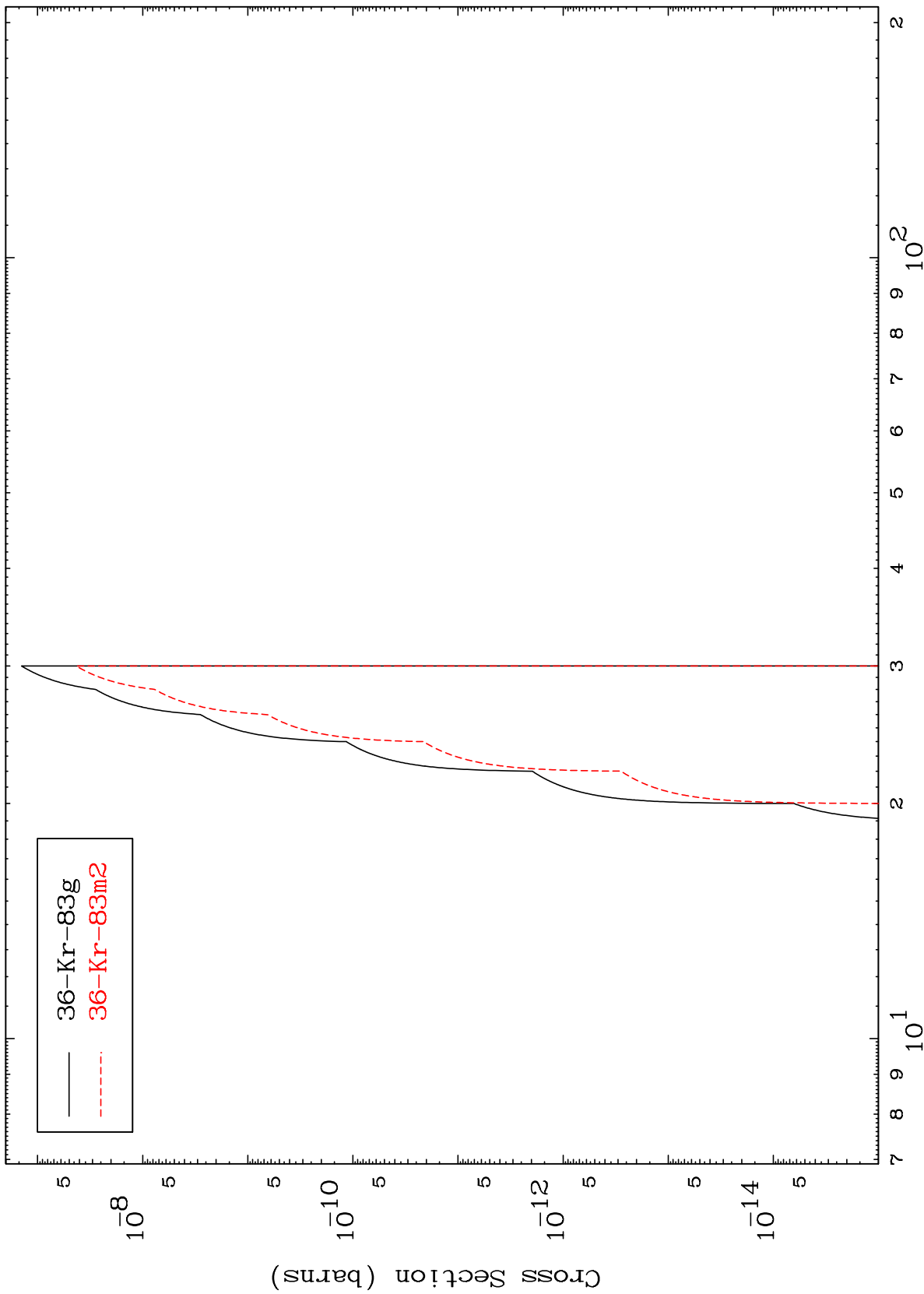
Radionuclide Production Cross Section



MAT 3835

38-Sr-87

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



Incident Energy (MeV)

38-Sr-87

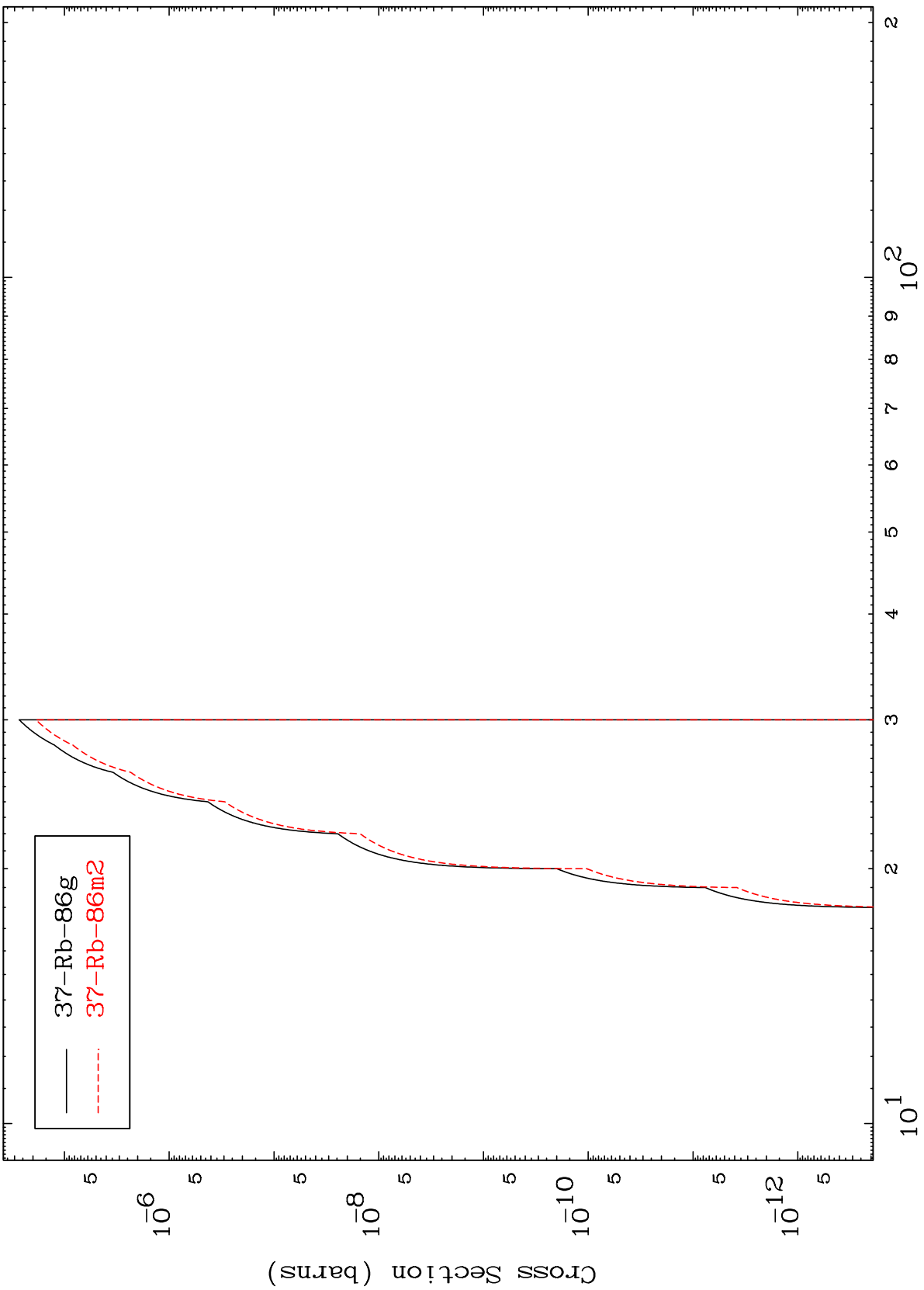
20

MAT 3835

(α, p) α

38-Sr-87

Radionuclide Production Cross Section



21

Incident Energy (MeV)

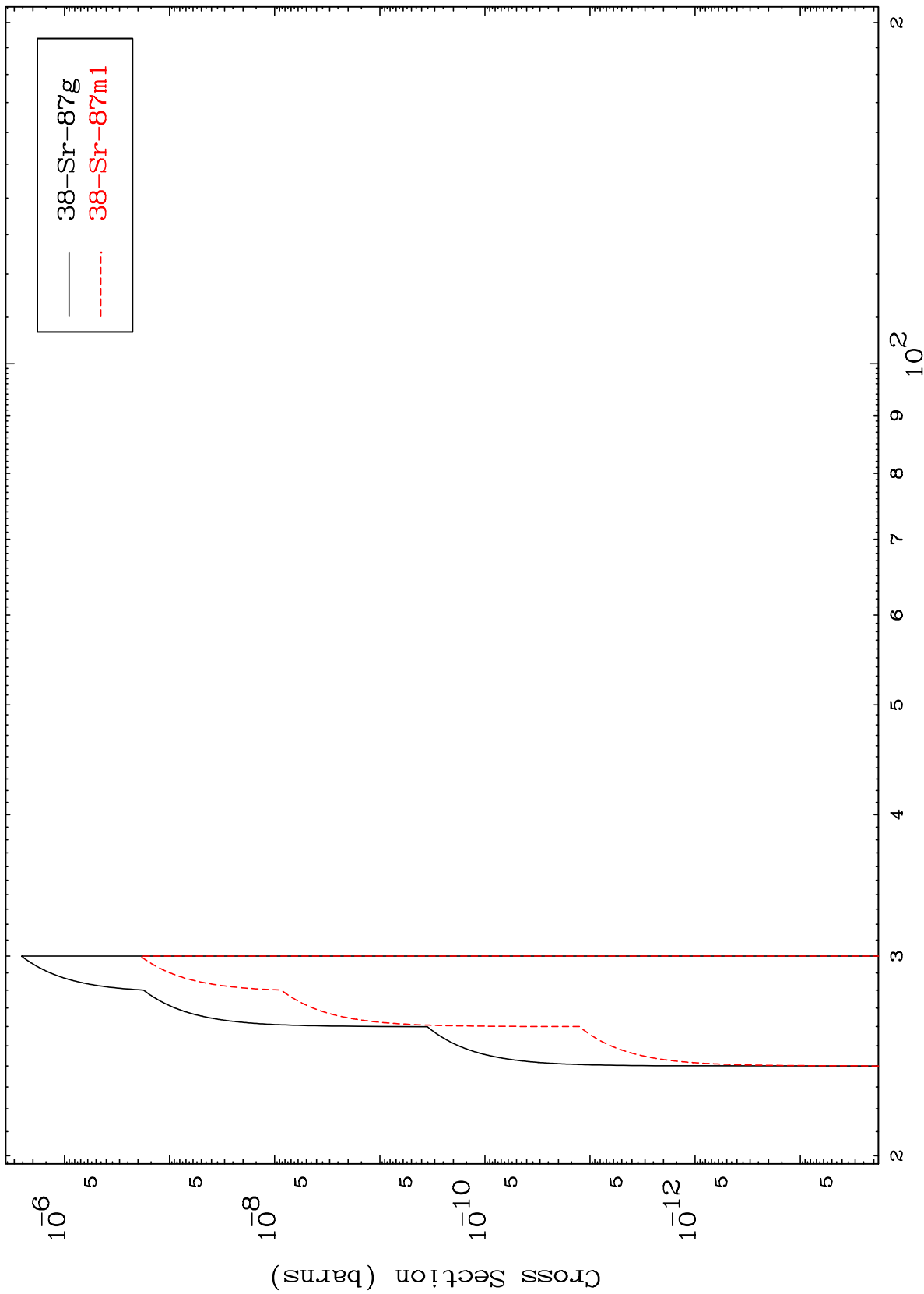
38-Sr-87

MAT 3835

(α, p) t

³⁸Sr-87

Radionuclide Production Cross Section



— 38-Sr-87g
- - - 38-Sr-87m1

22

Incident Energy (MeV)

³⁸Sr-87