

Program EVALPLOT
(Version 2018-1)

by

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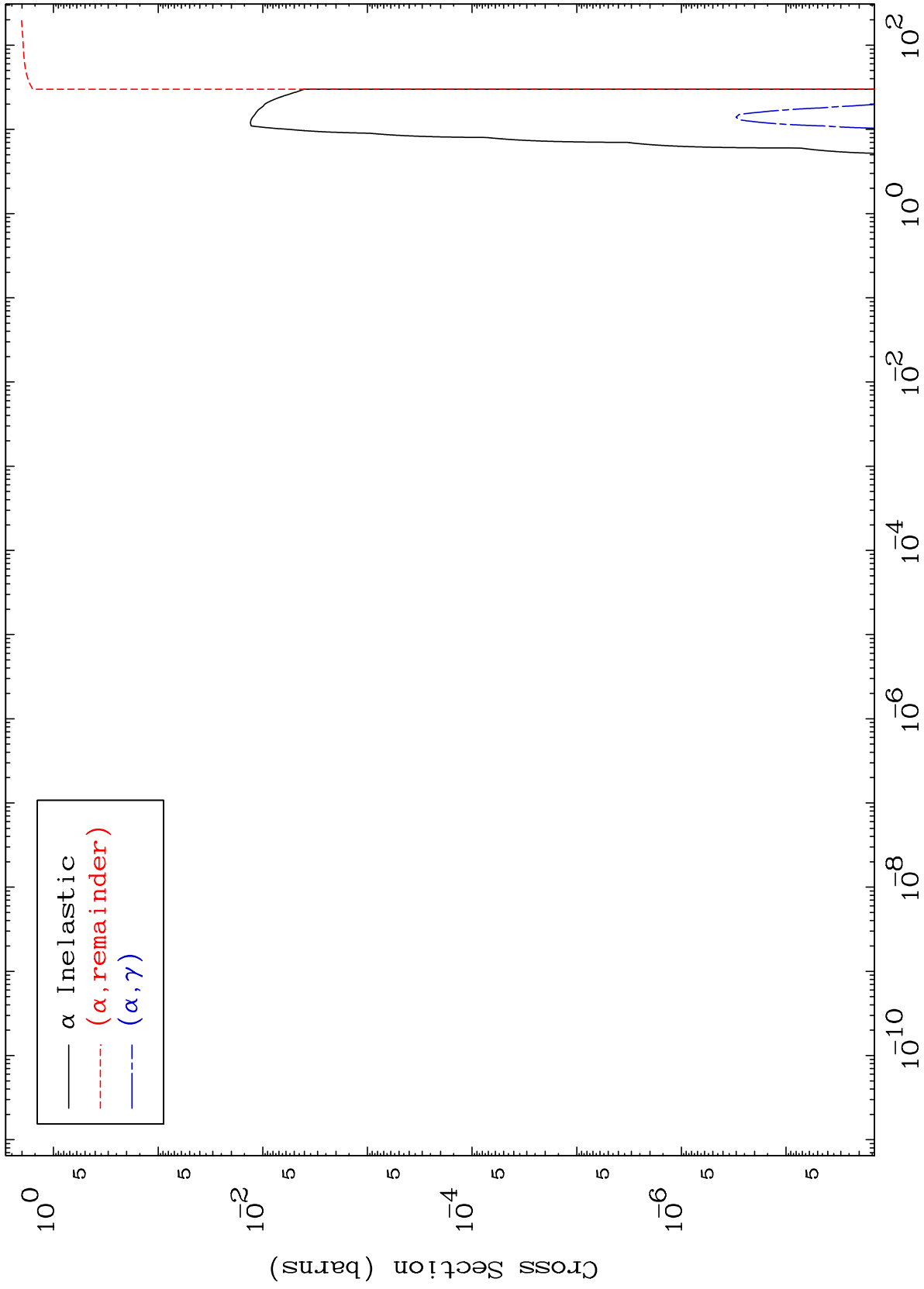
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3955

0 Kelvin α Major
Cross Sections

39-Y -99



1

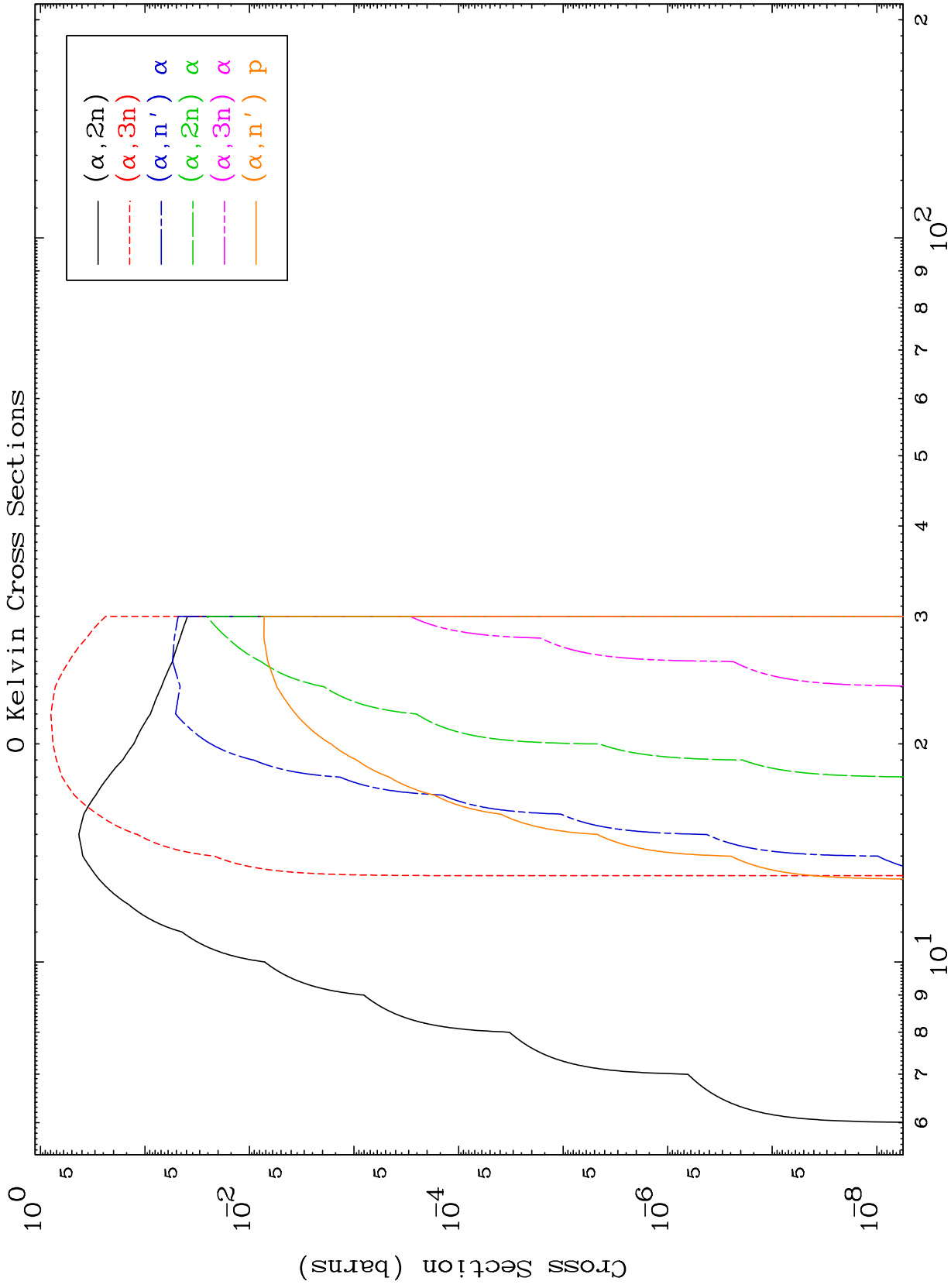
Incident Energy (MeV)

39-Y -99

MAT 3955

α Neutron Production
0 Kelvin Cross Sections

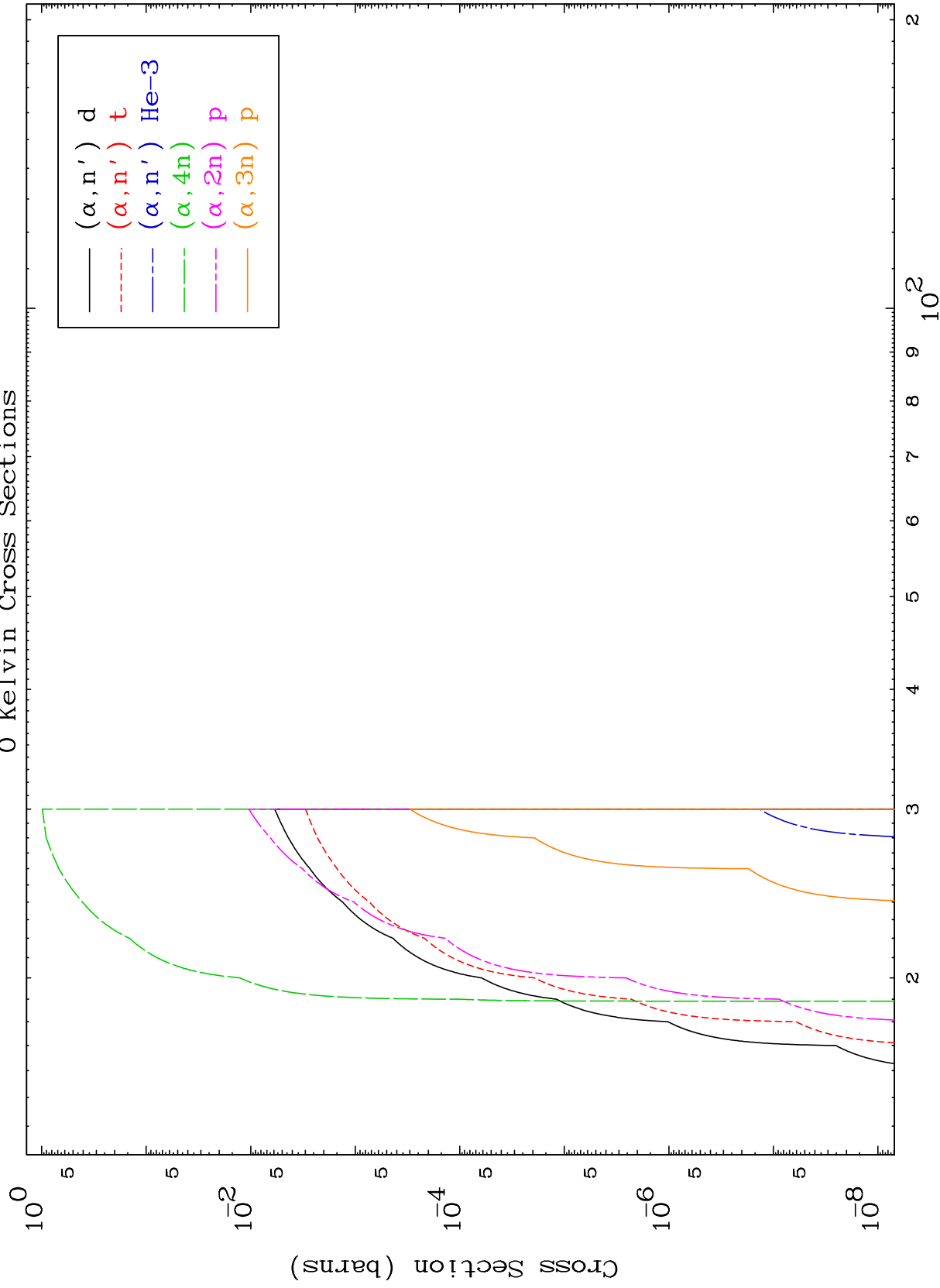
39-Y -99

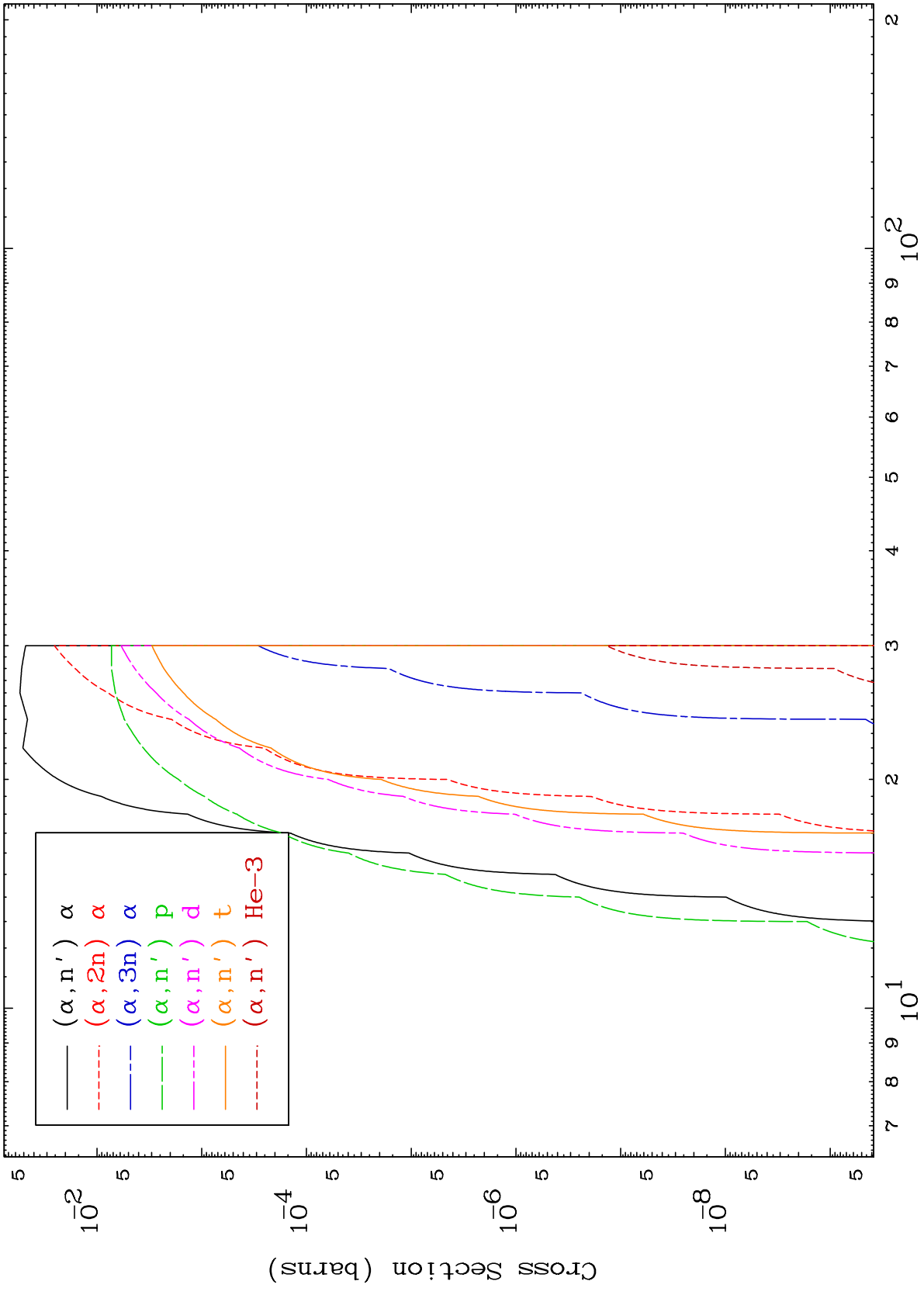


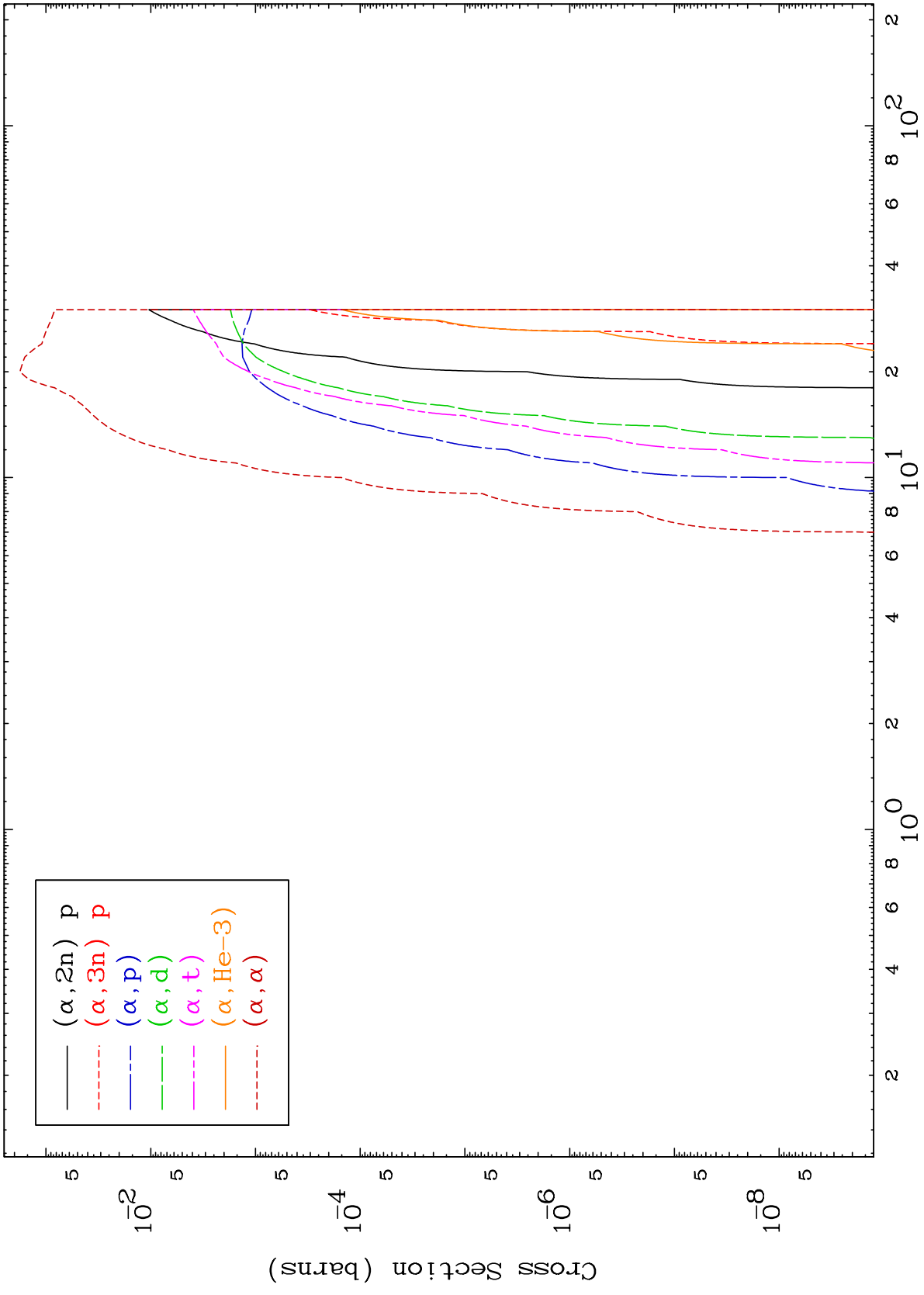
2

Incident Energy (MeV)

39-Y -99



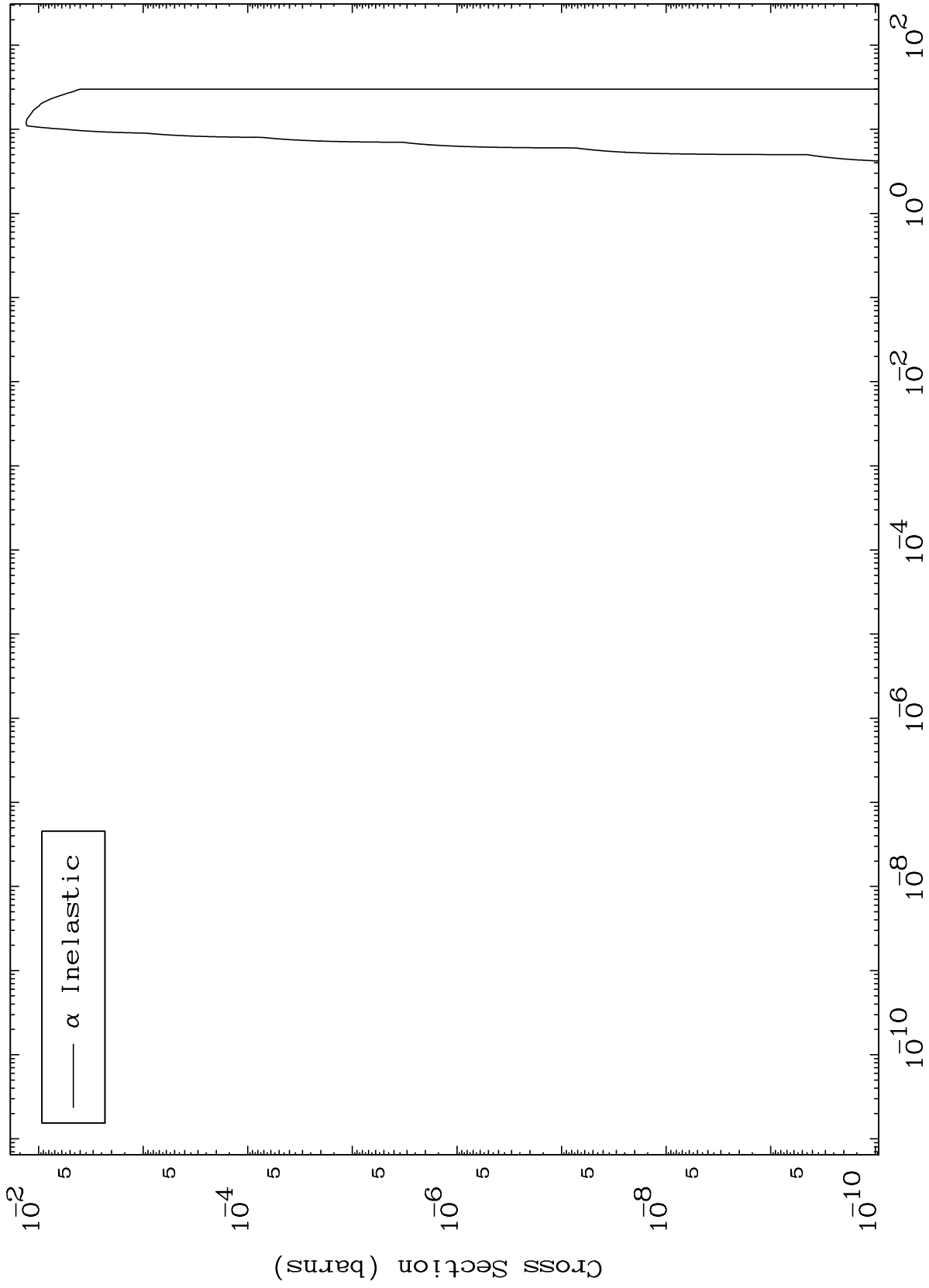




MAT 3955

(α, n') Level
0 Kelvin Cross Sections

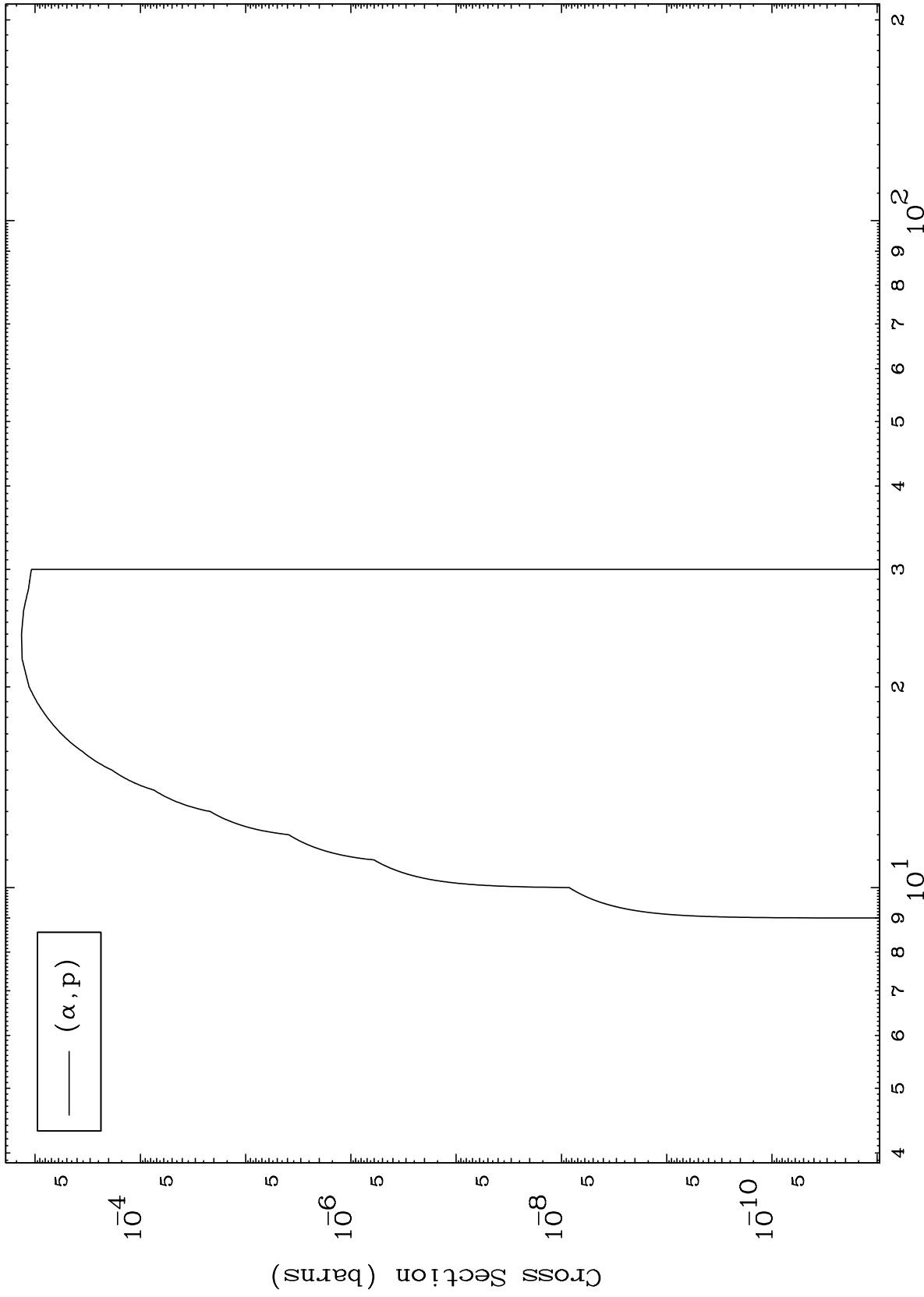
39-Y -99



6

Incident Energy (MeV)

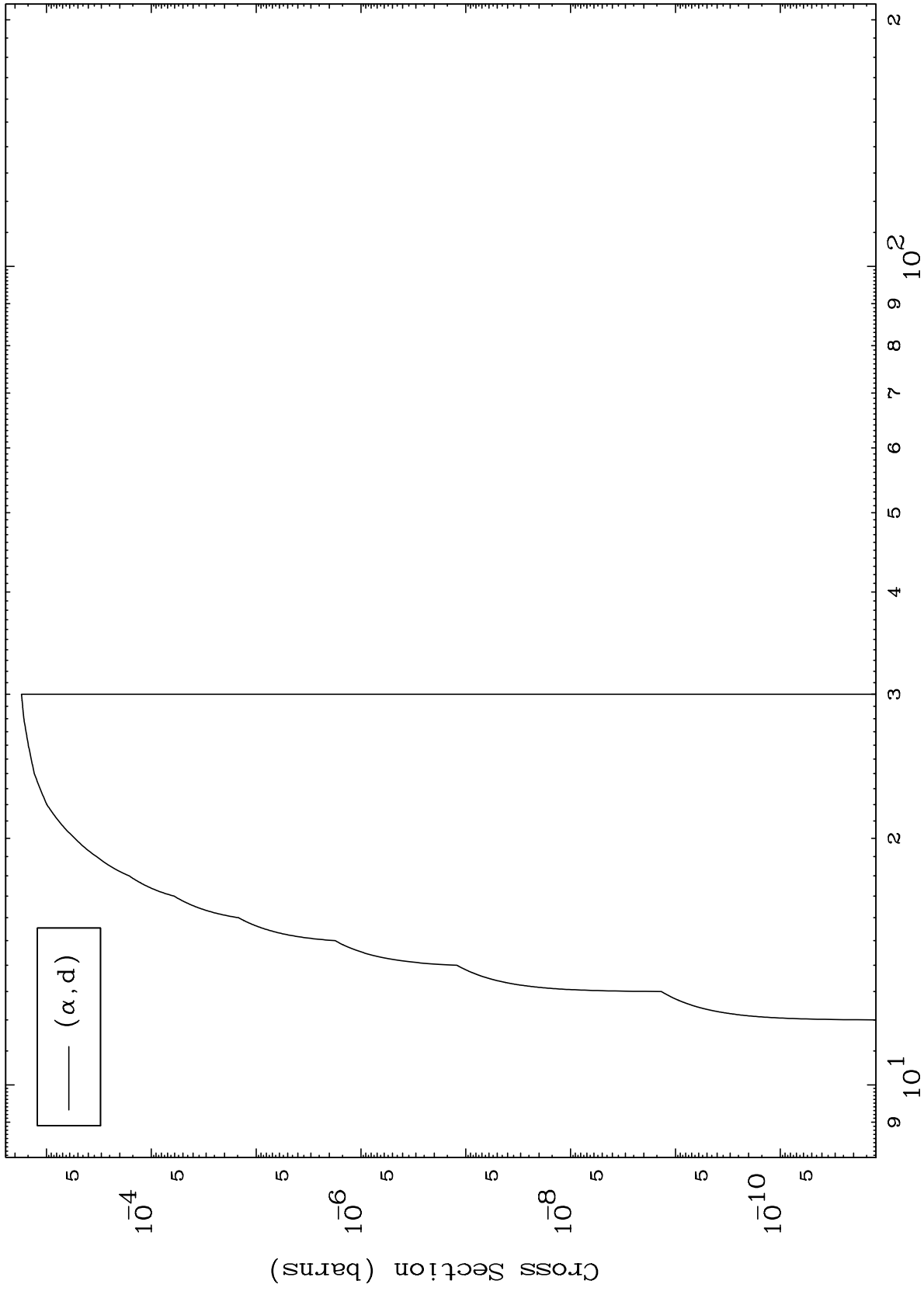
39-Y -99



MAT 3955

(α, d) Levels
0 Kelvin Cross Sections

39-Y -99



8

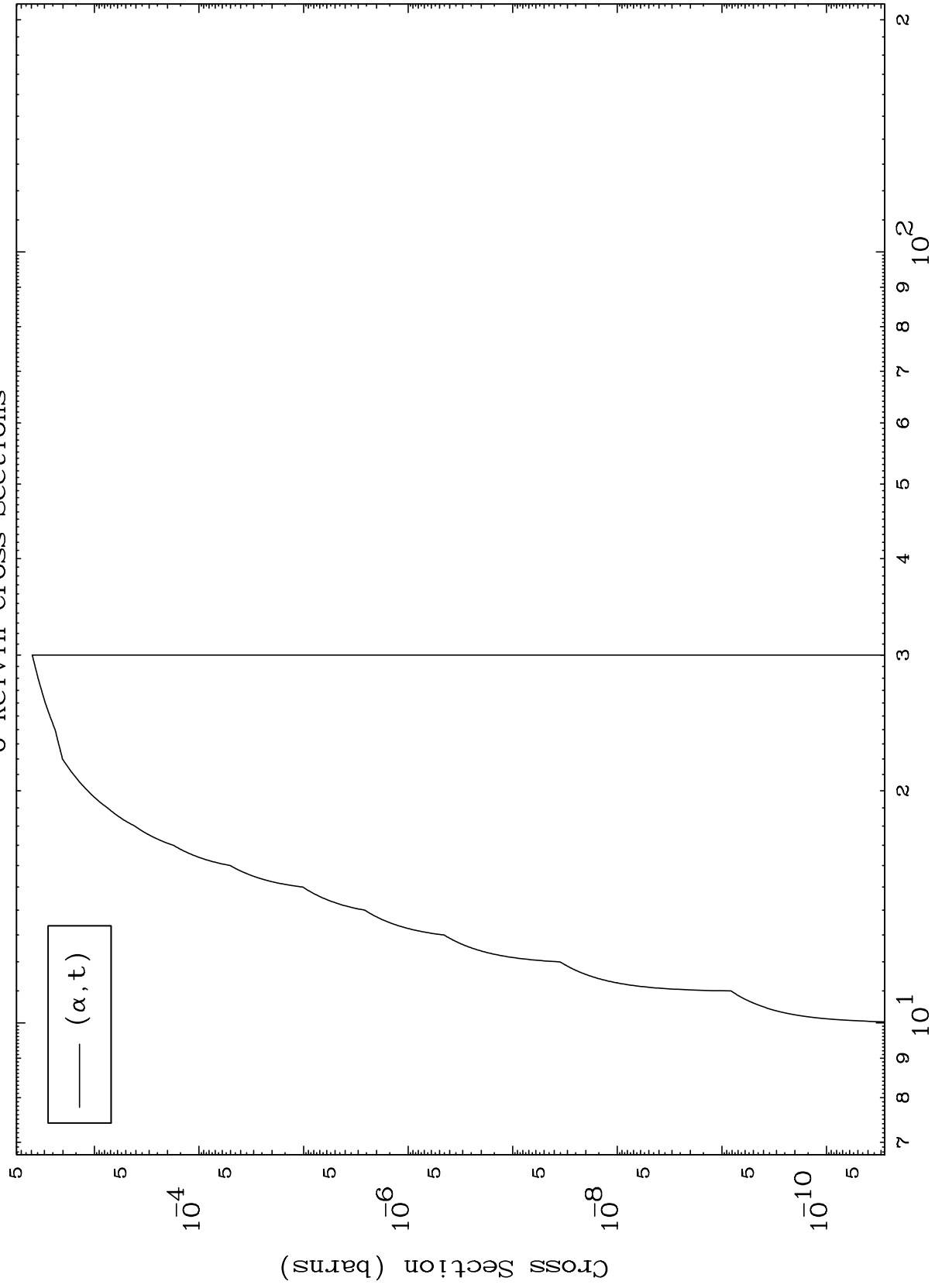
Incident Energy (MeV)

39-Y -99

MAT 3955

(α, t) Levels
0 Kelvin Cross Sections

39-Y -99



9

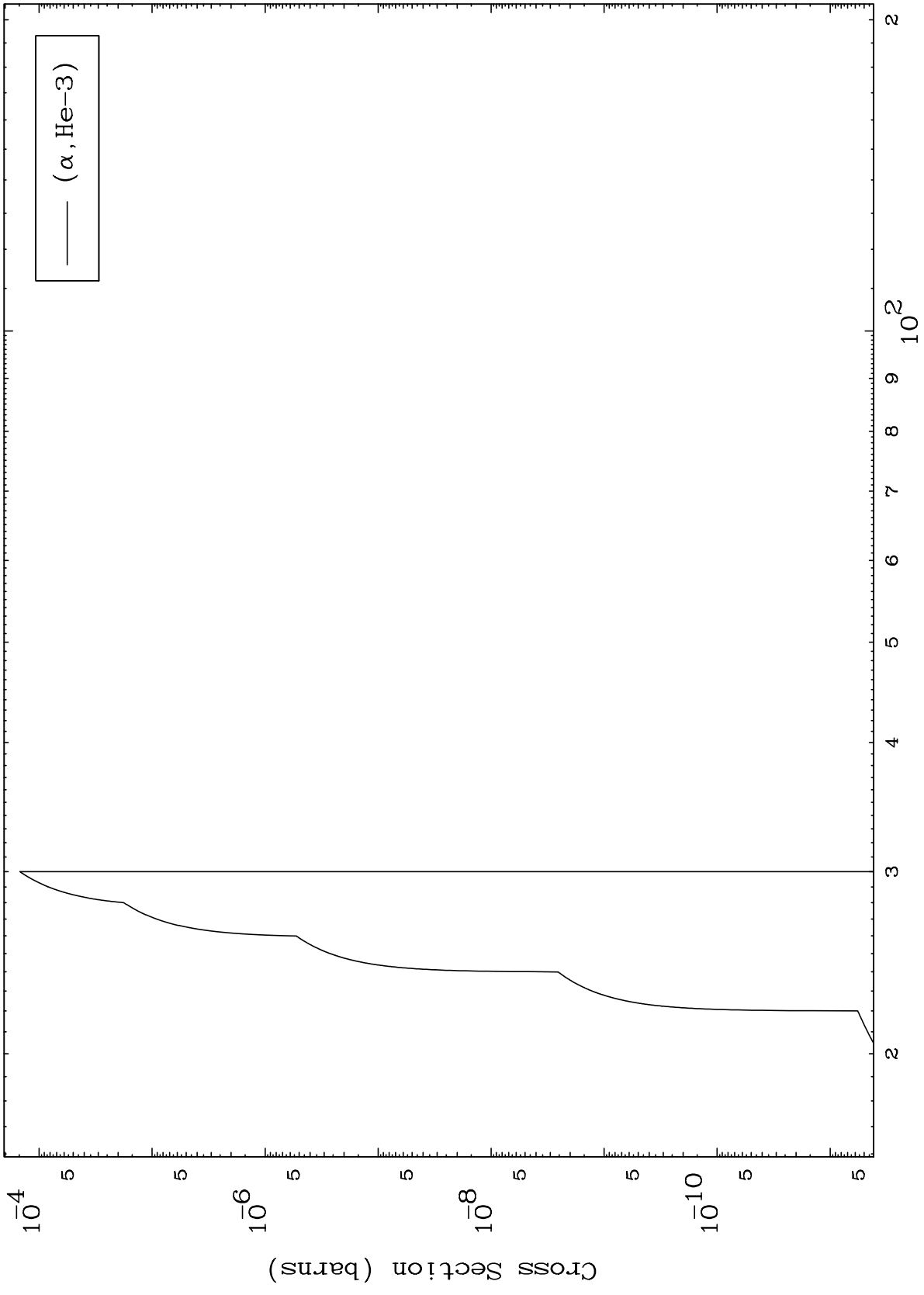
Incident Energy (MeV)

39-Y -99

MAT 3955

(α ,He3) Levels
0 Kelvin Cross Sections

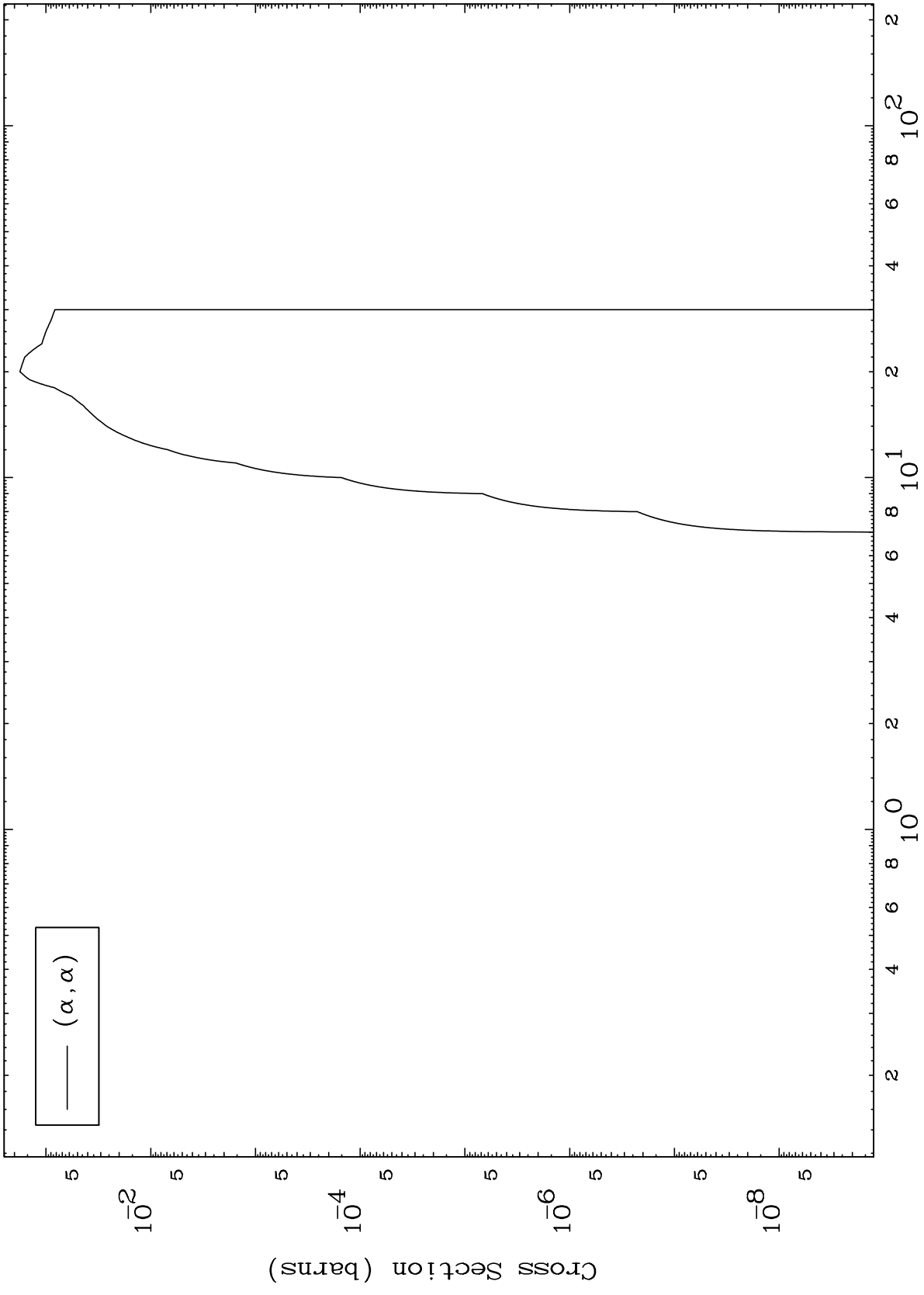
39-Y -99



10

Incident Energy (MeV)

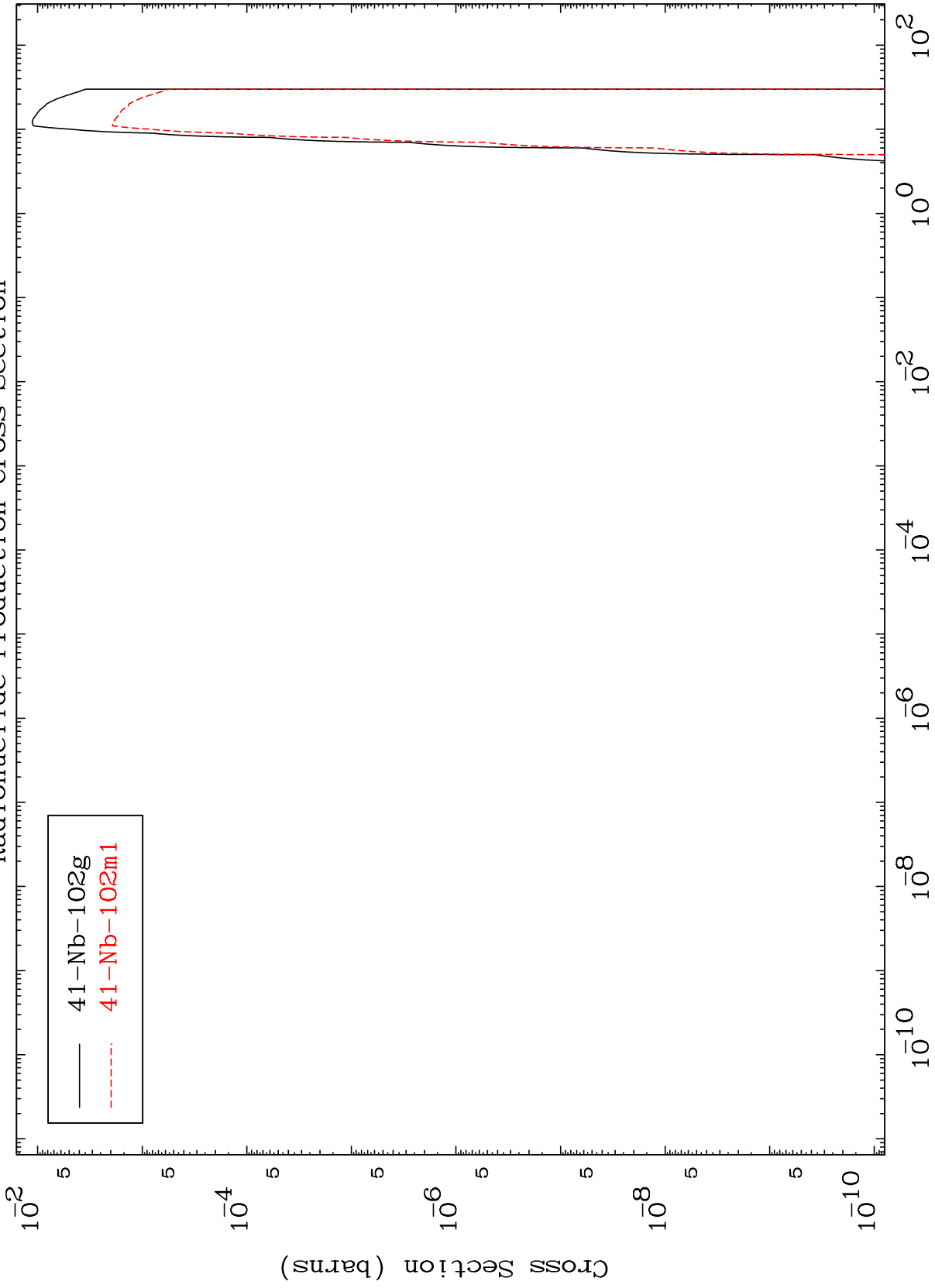
39-Y -99



MAT 3955

α Inelastic
Radionuclide Production Cross Section

39-Y -99



12

Incident Energy (MeV)

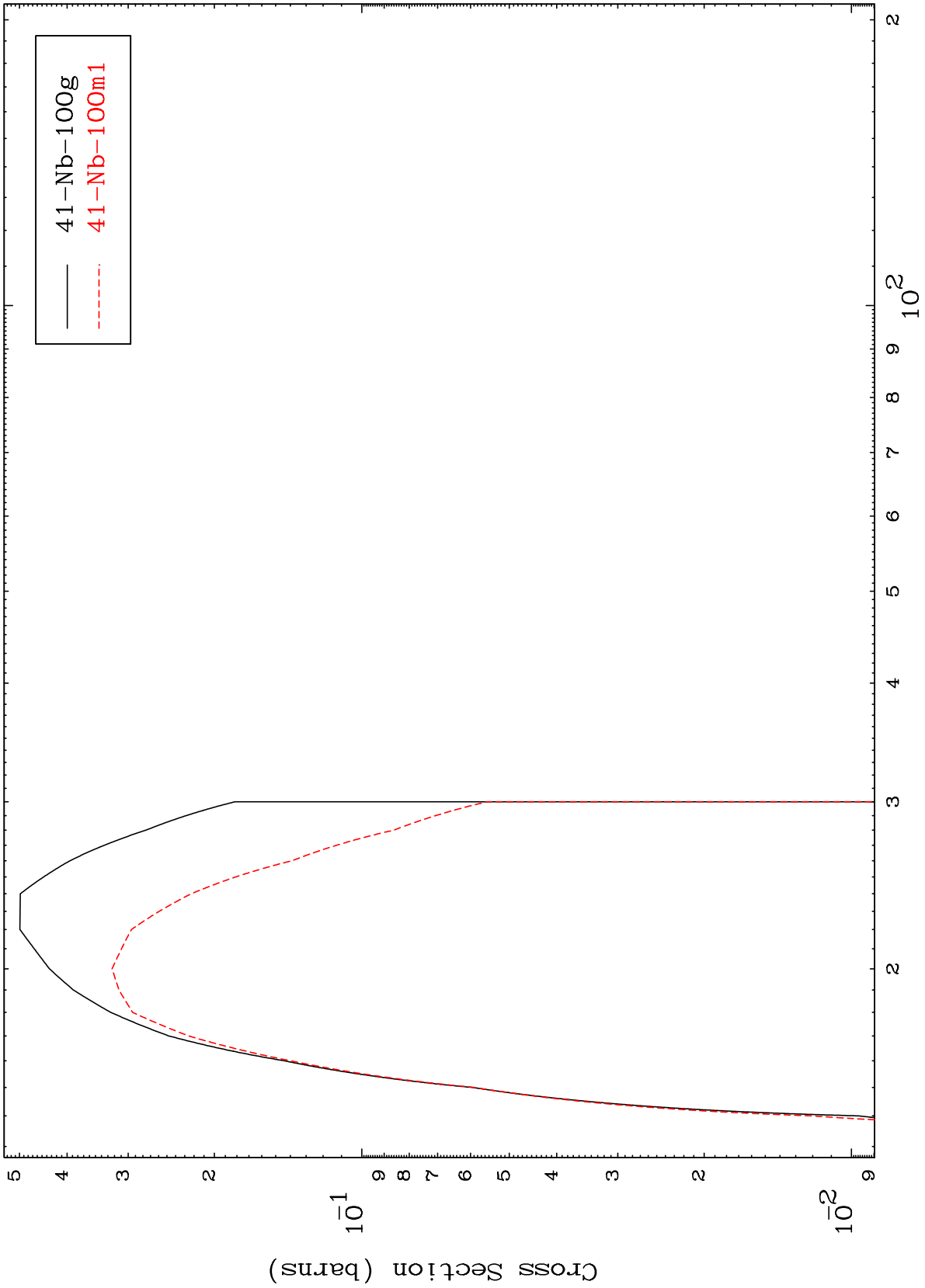
39-Y -99

MAT 3955

($\alpha, 3n$)

39-Y -99

Radionuclide Production Cross Section



41-Nb-100g
41-Nb-100m1

13

Incident Energy (MeV)

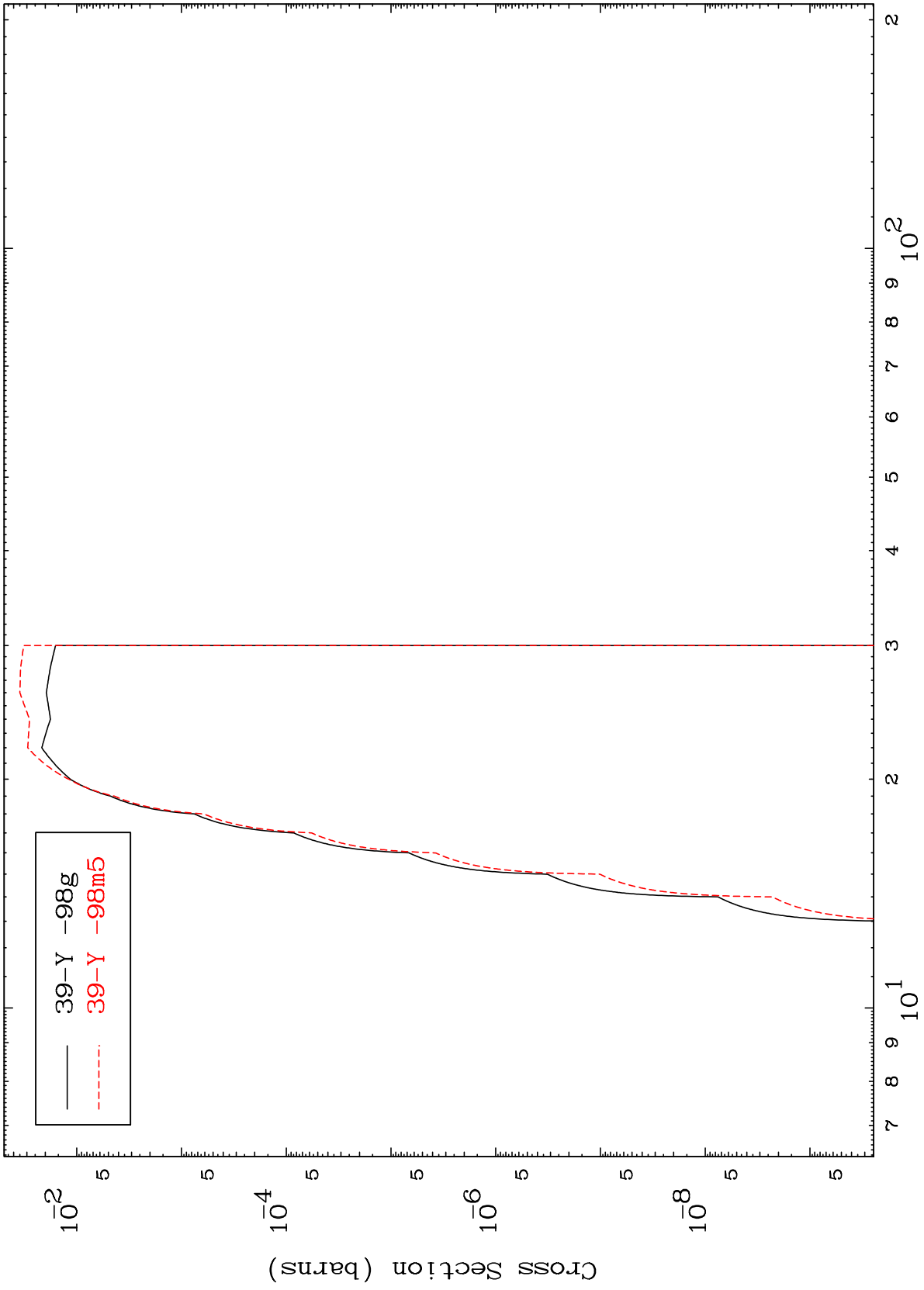
39-Y -99

MAT 3955

(α, n') α

39-Y -99

Radionuclide Production Cross Section



Legend:
— 39-Y -98g
- - - 39-Y -98m5

14

Incident Energy (MeV)

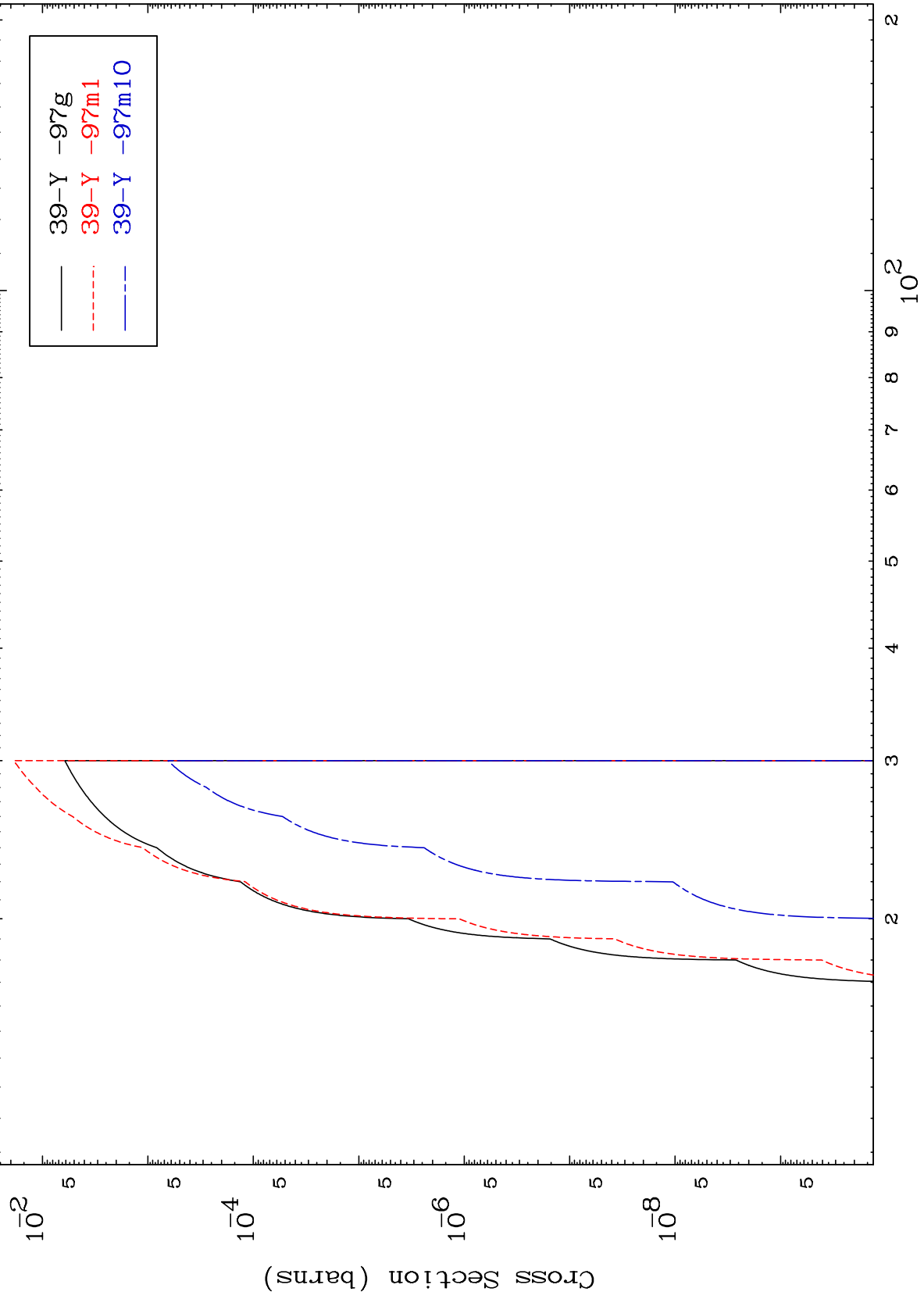
39-Y -99

MAT 3955

$(\alpha, 2n) \alpha$

39-Y -99

Radionuclide Production Cross Section



15

Incident Energy (MeV)

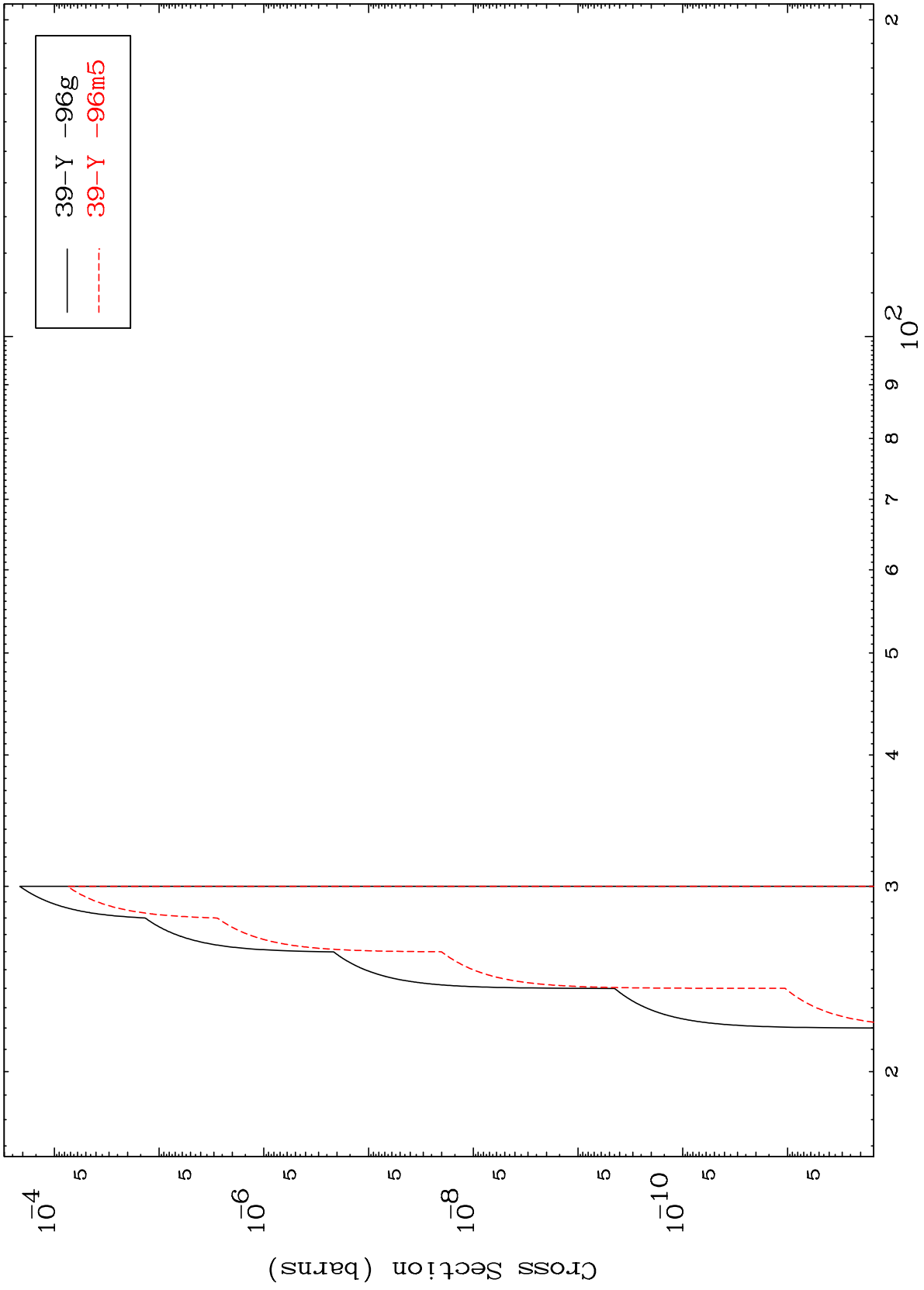
39-Y -99

MAT 3955

$(\alpha, 3n) \alpha$

39-Y -99

Radionuclide Production Cross Section



16

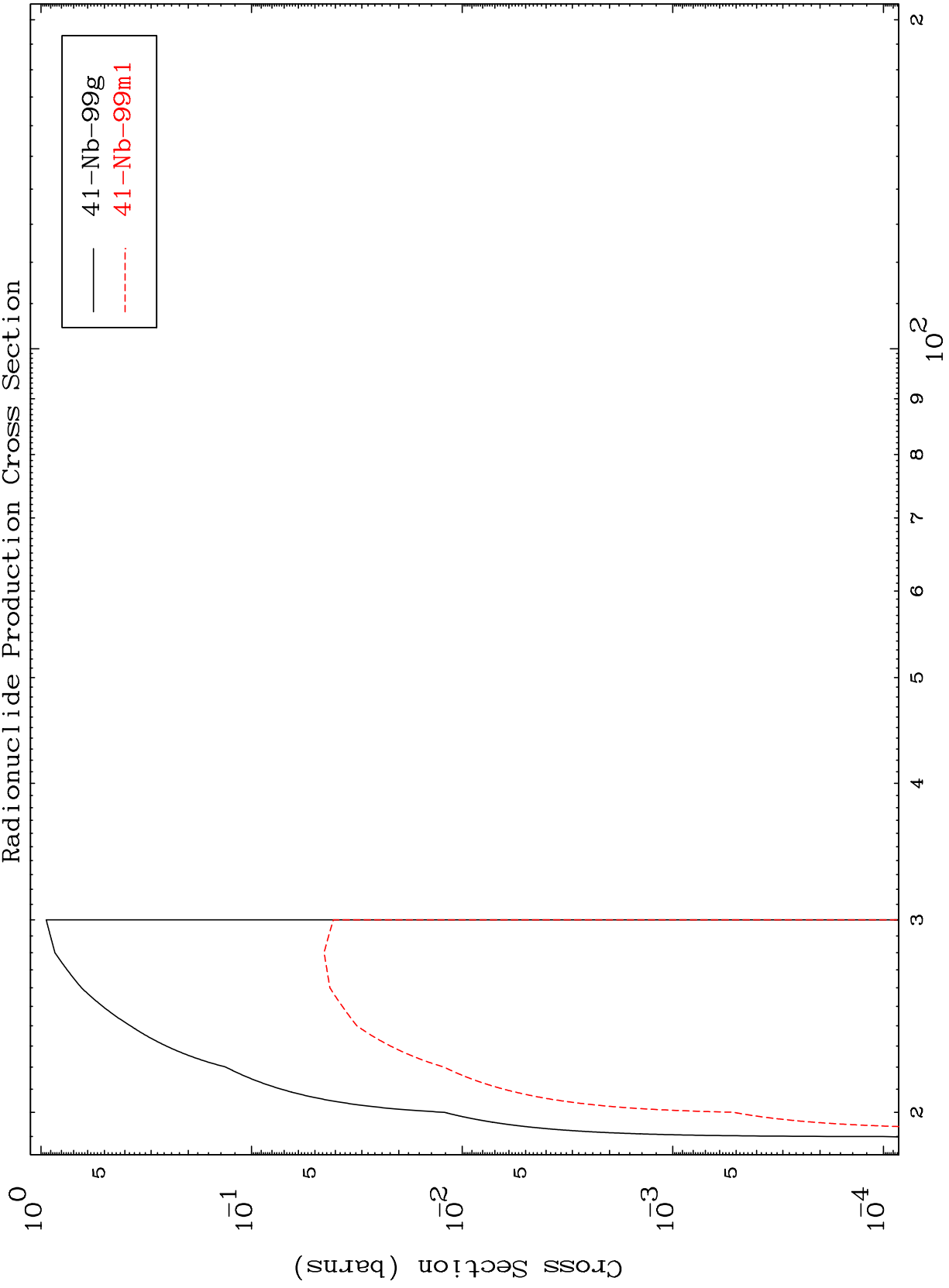
Incident Energy (MeV)

39-Y -99

MAT 3955

39-Y -99

$(\alpha, 4n)$
Radionuclide Production Cross Section



17

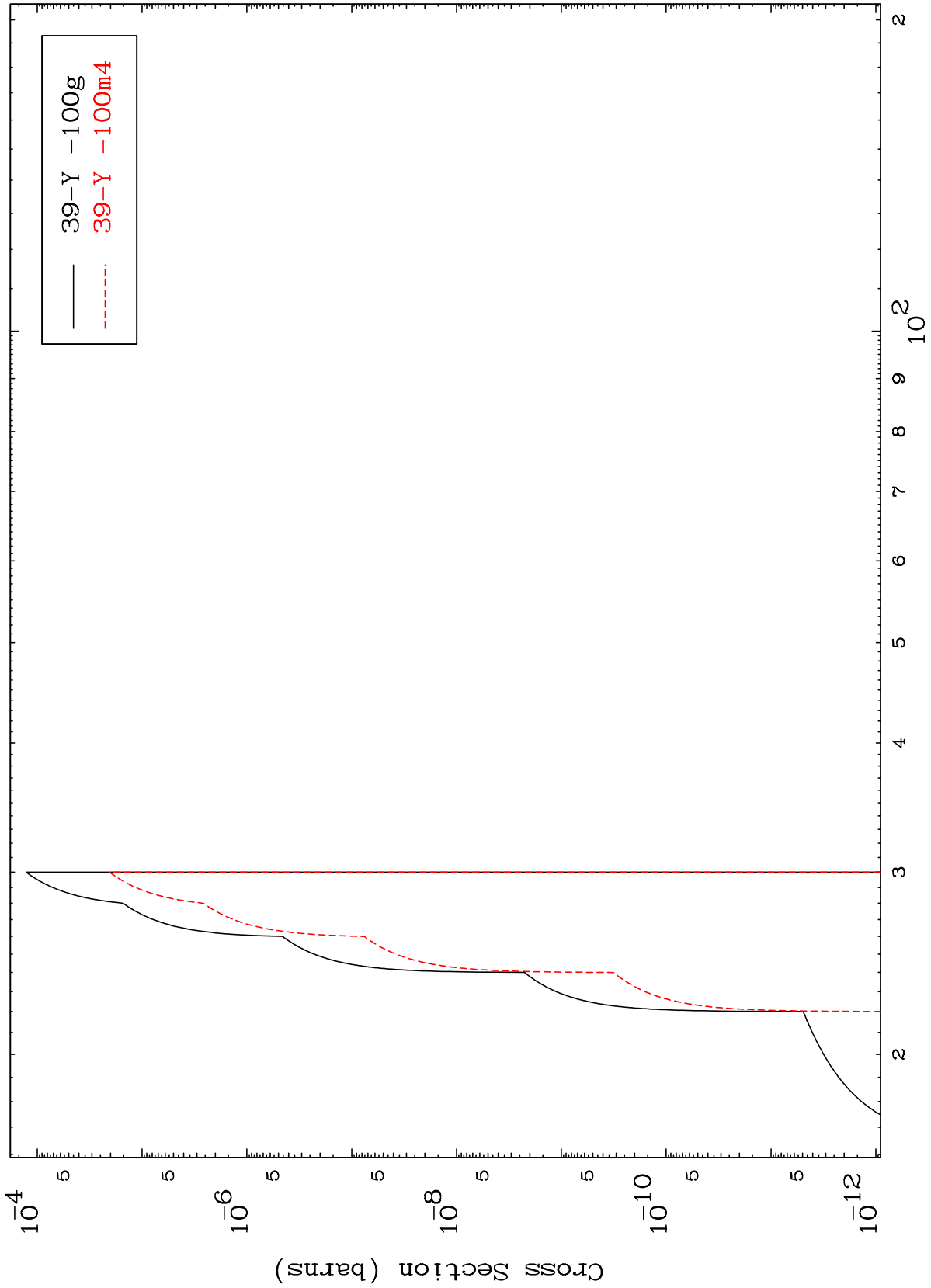
39-Y -99

MAT 3955

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

39-Y -99

Radionuclide Production Cross Section



18

Incident Energy (MeV)

39-Y -99