

Program EVALPLOT
(Version 2018-1)

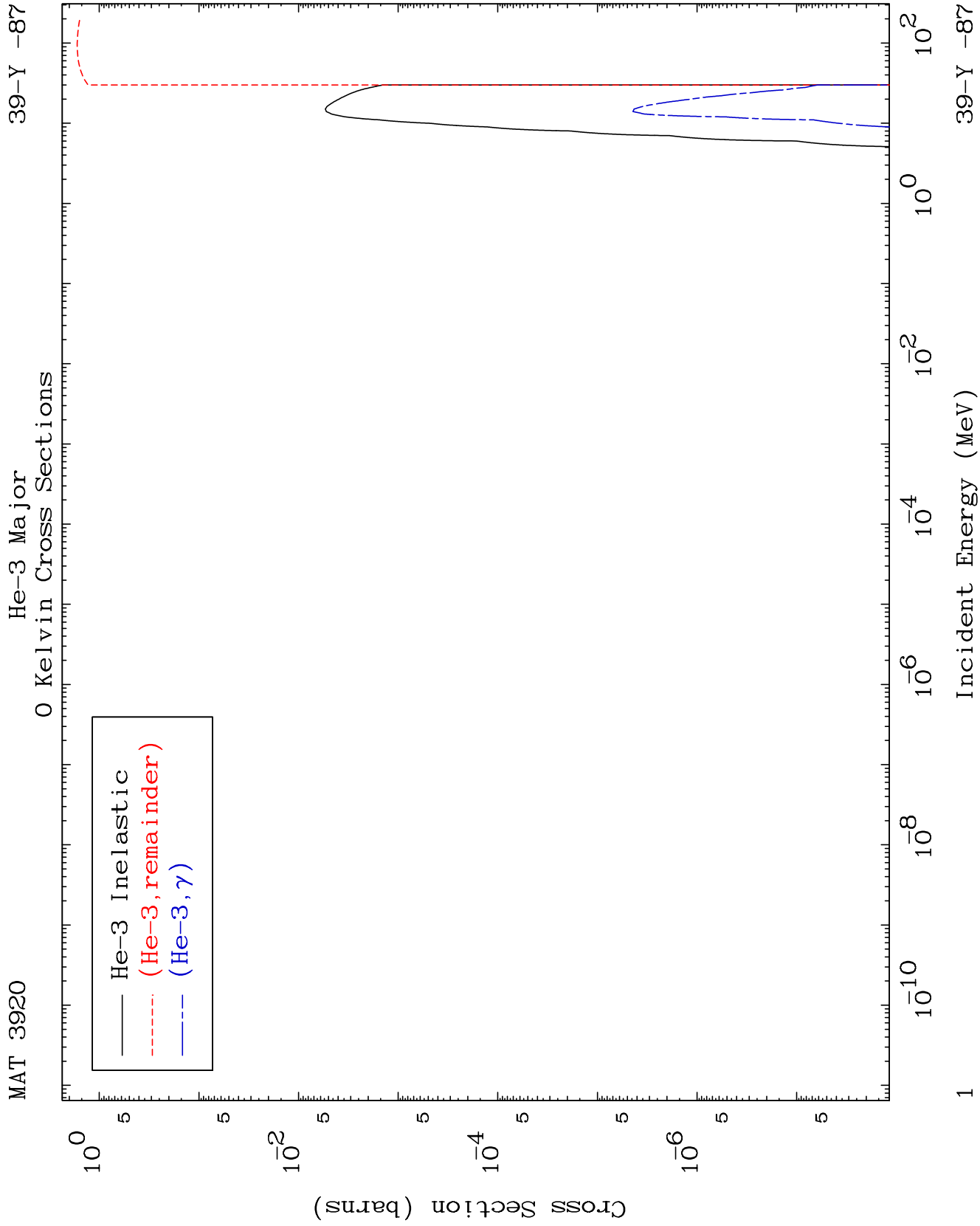
by

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Web: redcullen1.net/HOMEPAGE.NEW

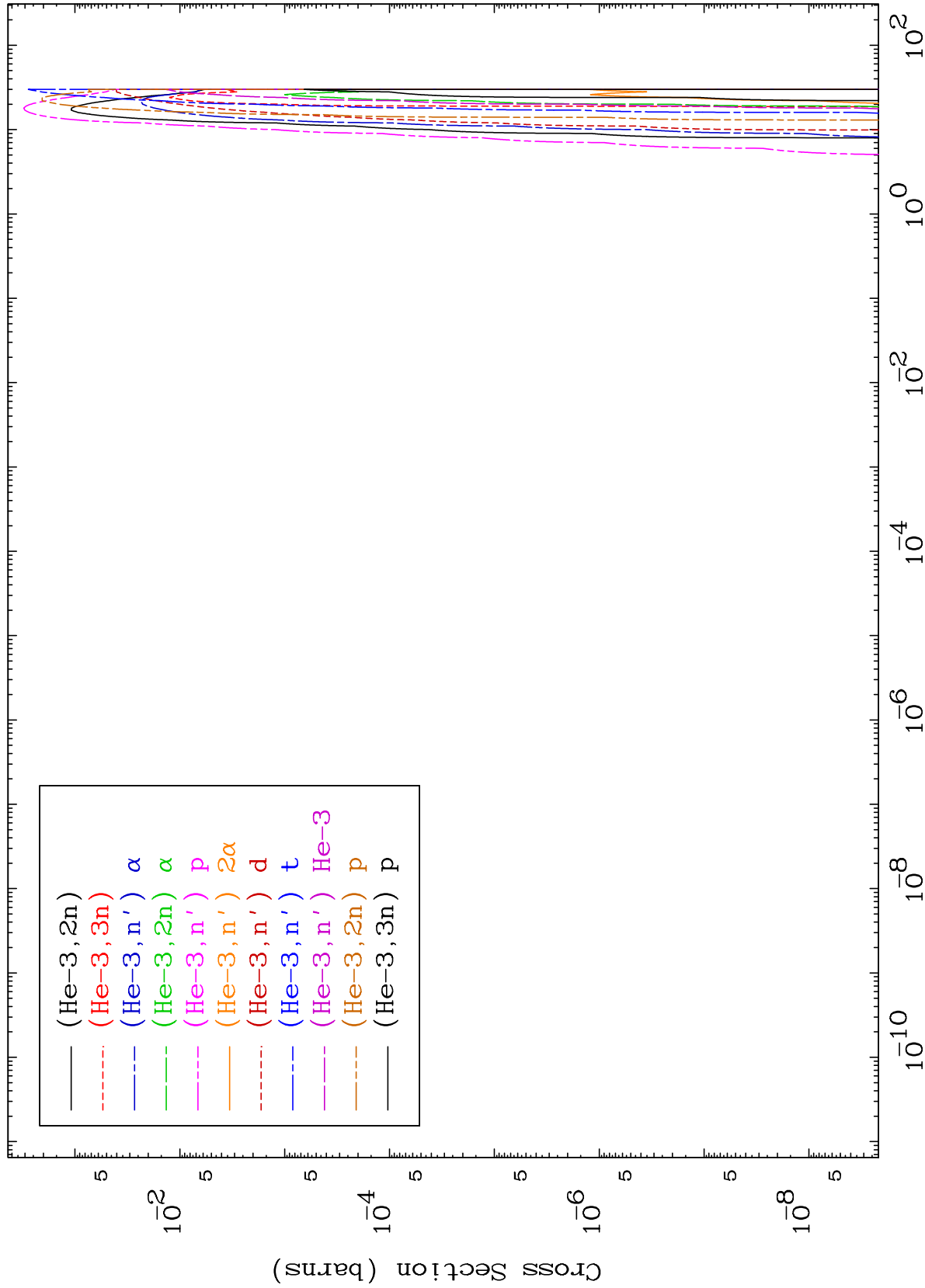
Press Mouse Button to Start



MAT 3920

He-3 Neutron Production
0 Kelvin Cross Sections

39-Y -87



2

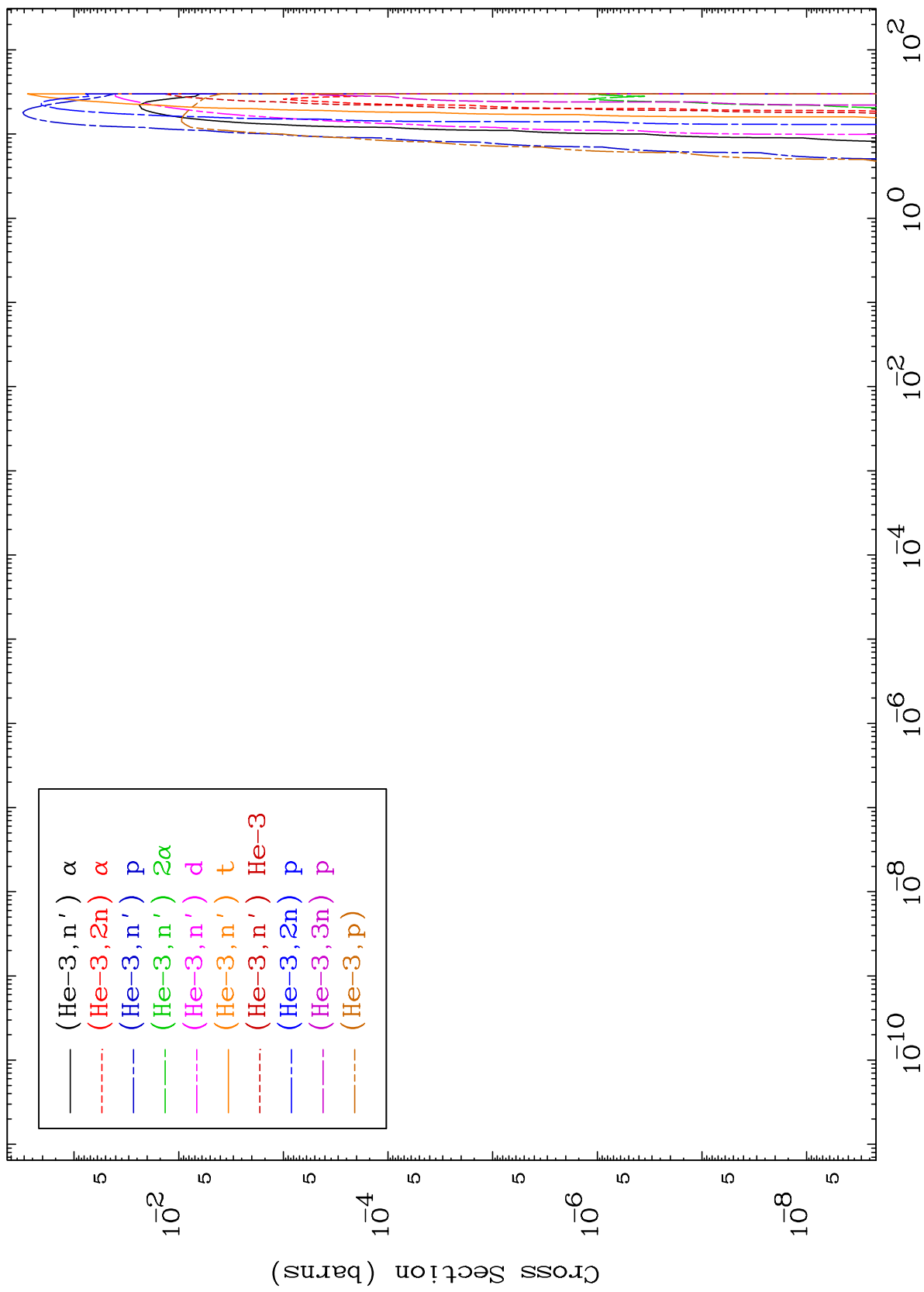
Incident Energy (MeV)

39-Y -87

MAT 3920

He-3 Charged Particle
0 Kelvin Cross Sections

39-Y -87

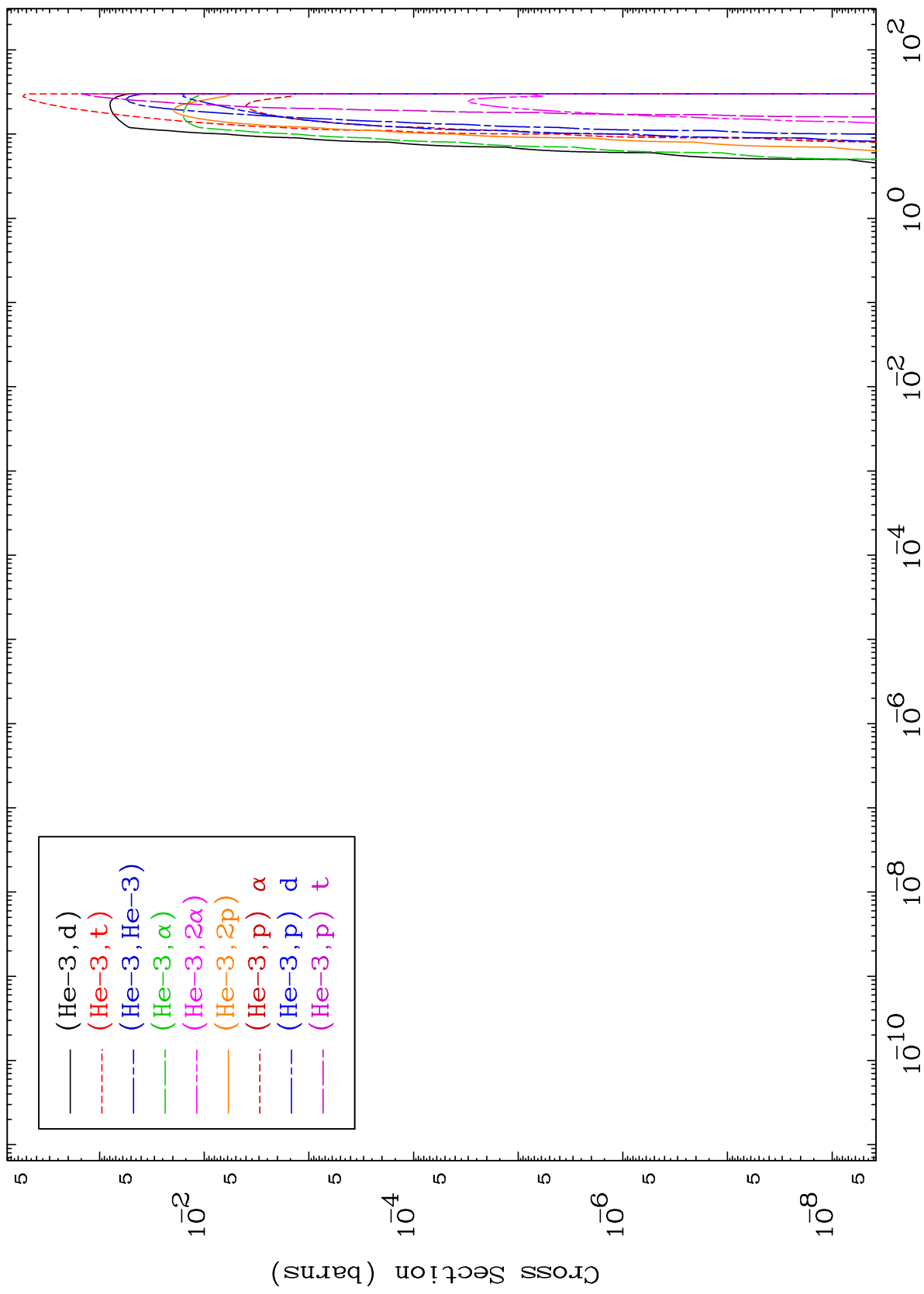


3

MAT 3920

He-3 Charged Particle
0 Kelvin Cross Sections

39-Y -87



4

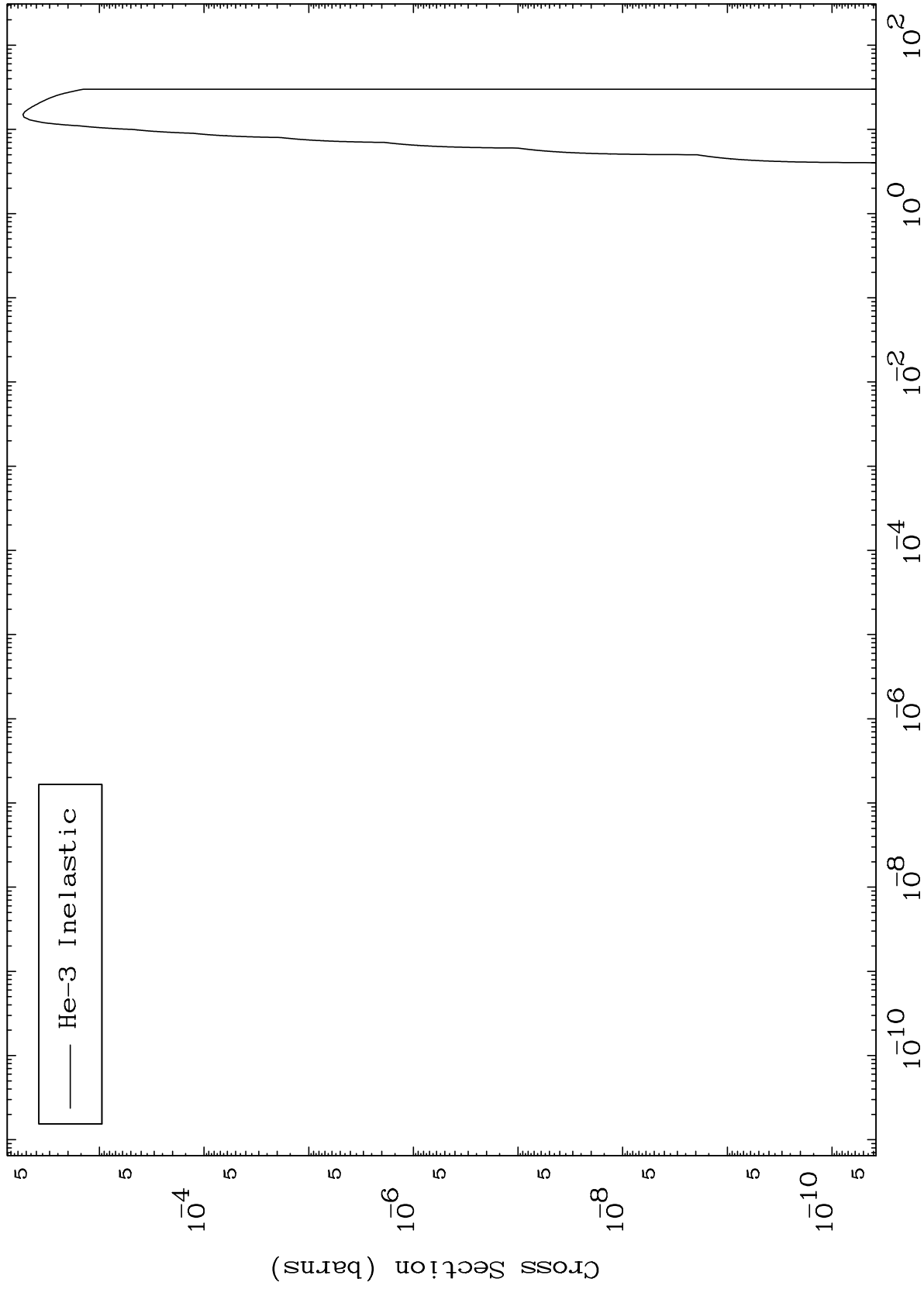
Incident Energy (MeV)

39-Y -87

MAT 3920

(He-3,n') Level
0 Kelvin Cross Sections

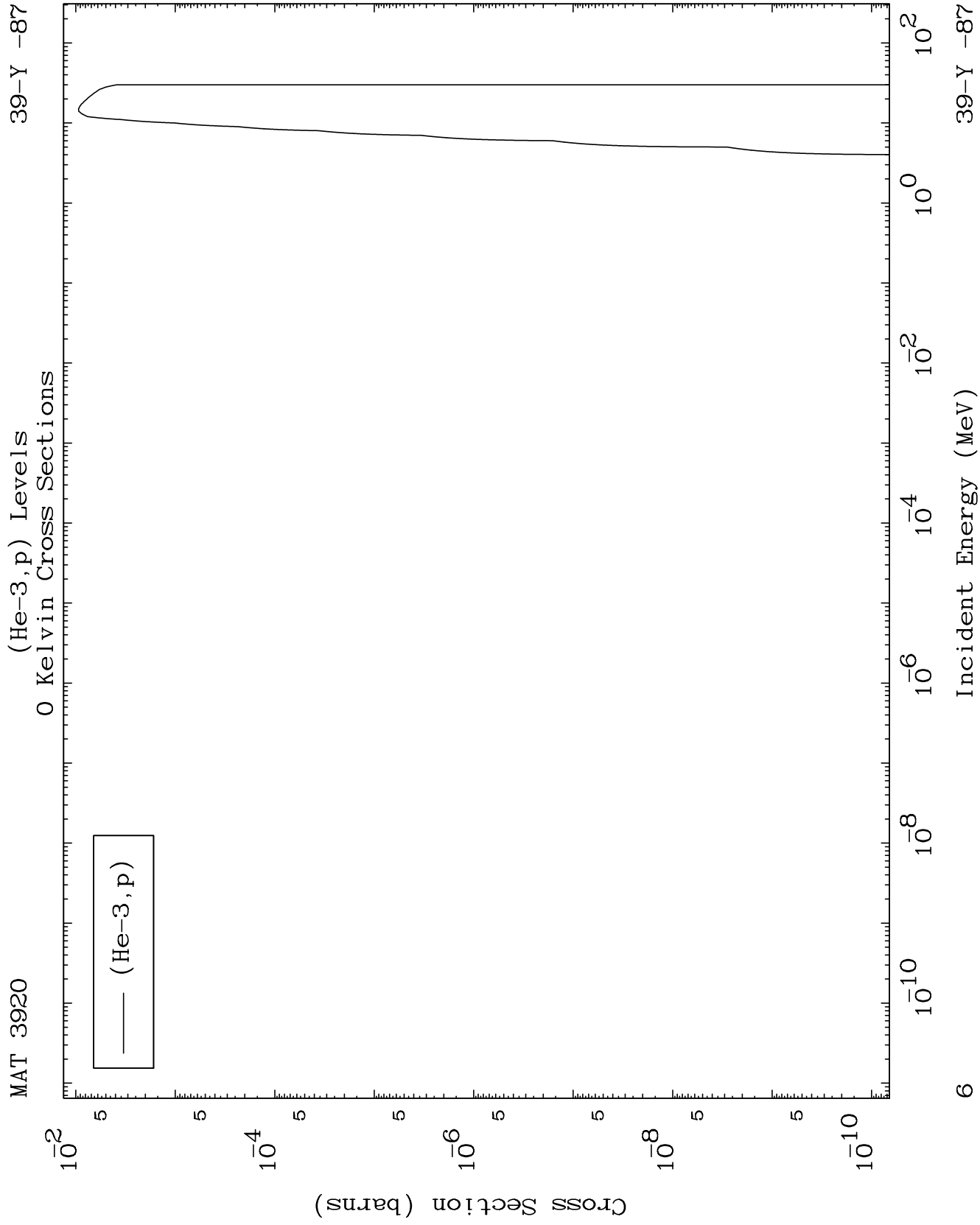
39-Y -87



5

Incident Energy (MeV)

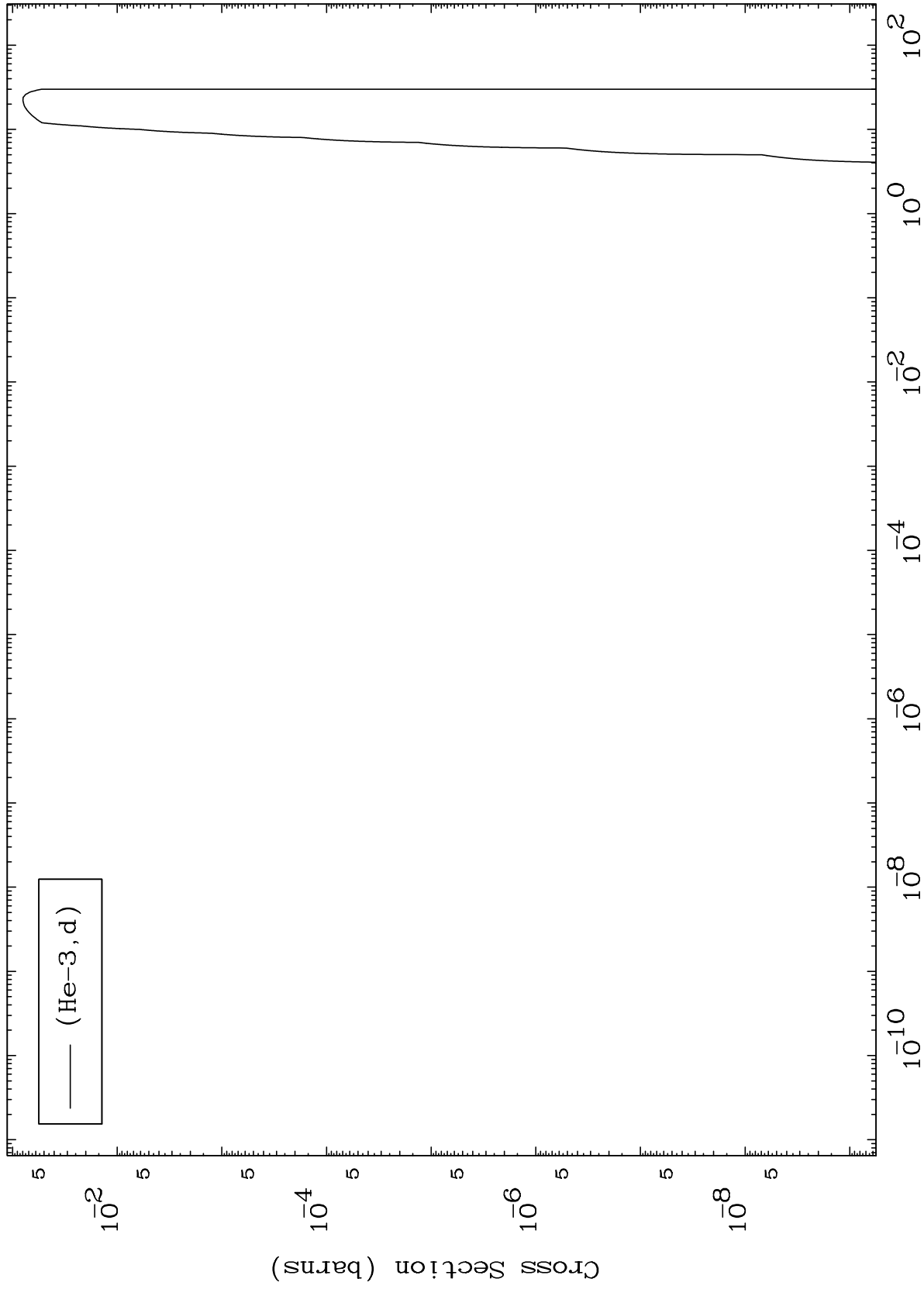
39-Y -87



MAT 3920

(He-3,d) Levels
0 Kelvin Cross Sections

39-Y -87



7

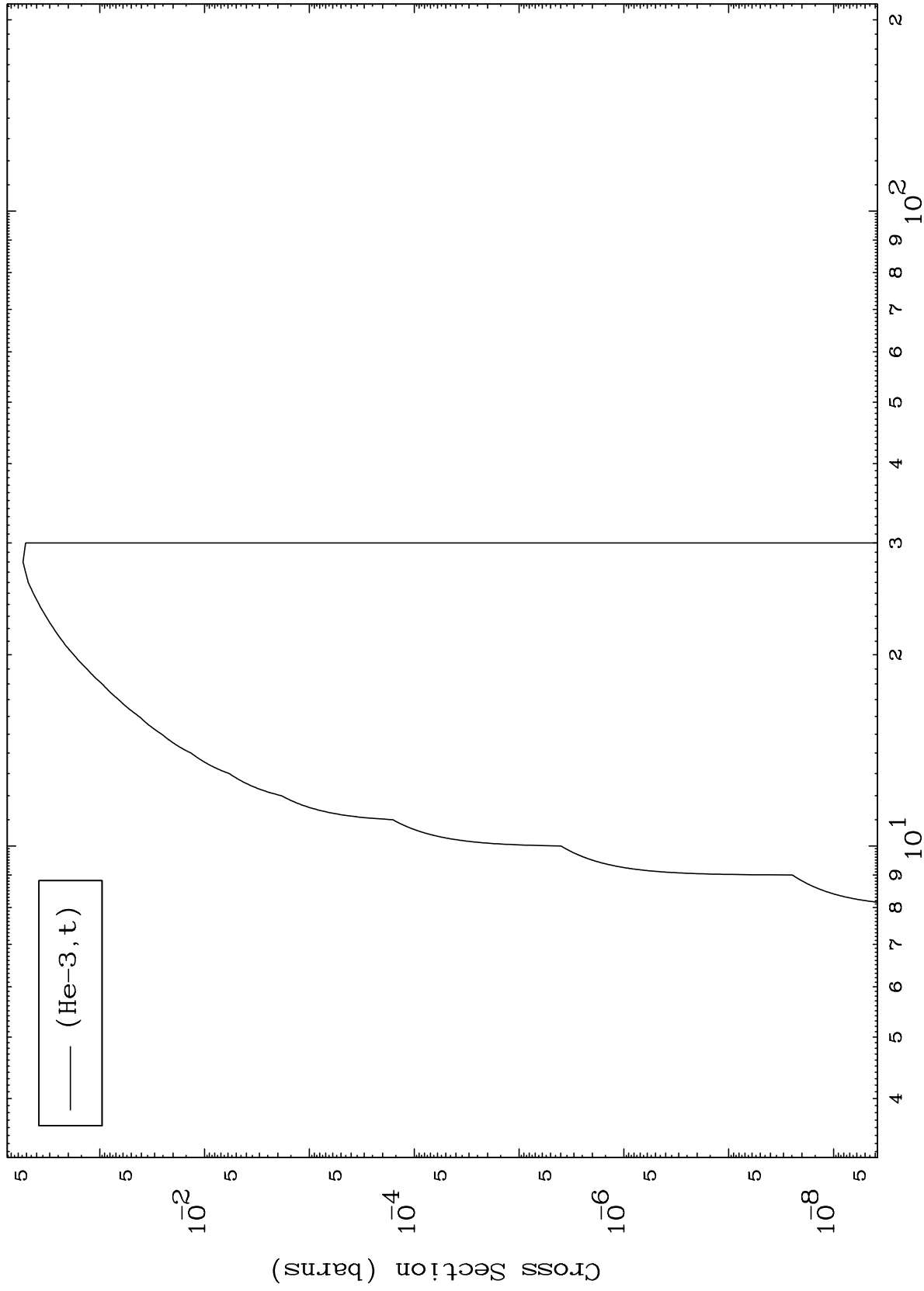
Incident Energy (MeV)

39-Y -87

MAT 3920

(He-3,t) Levels
0 Kelvin Cross Sections

39-Y -87



8

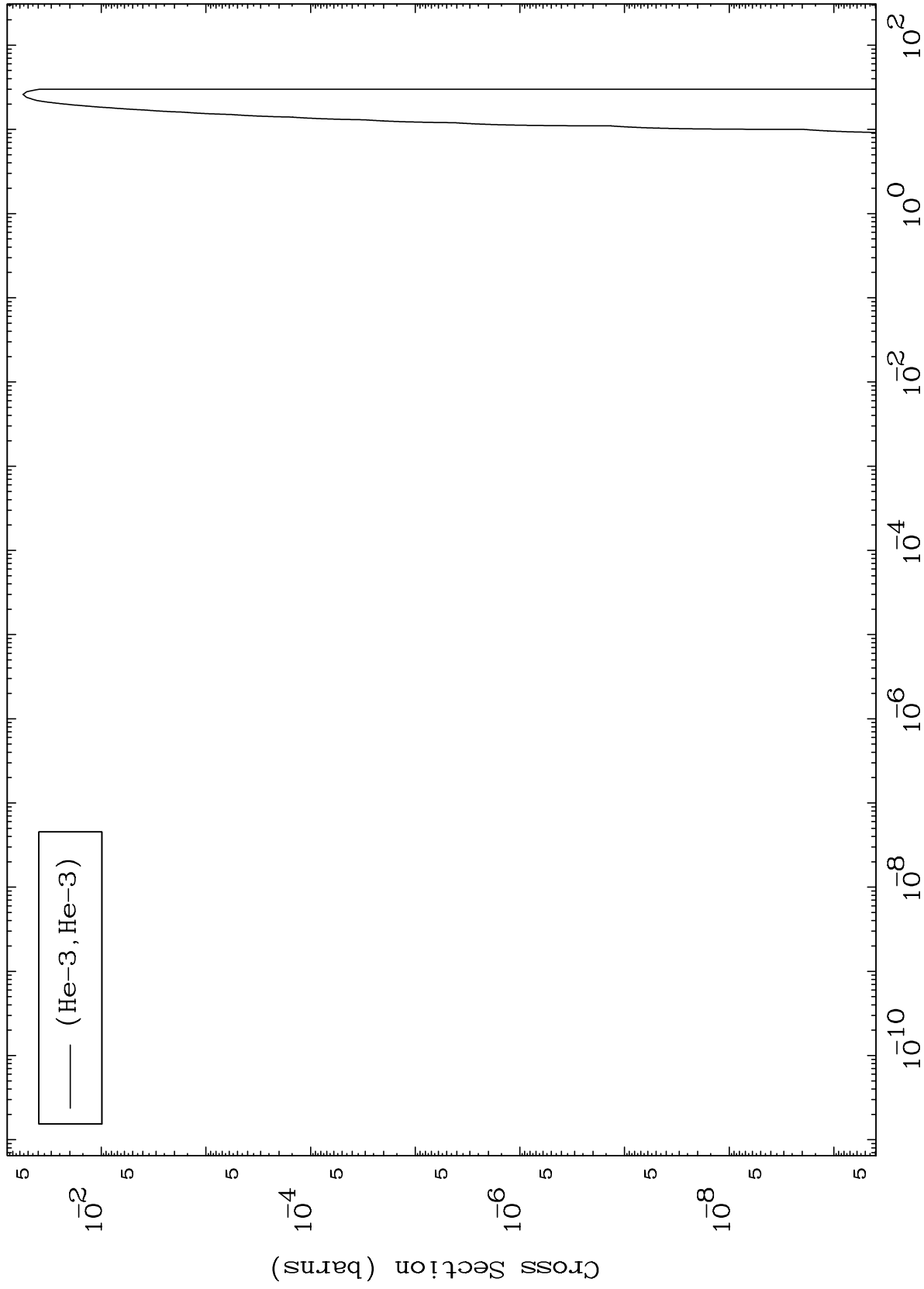
Incident Energy (MeV)

39-Y -87

MAT 3920

(He-3, He3) Levels
0 Kelvin Cross Sections

39-Y -87



9

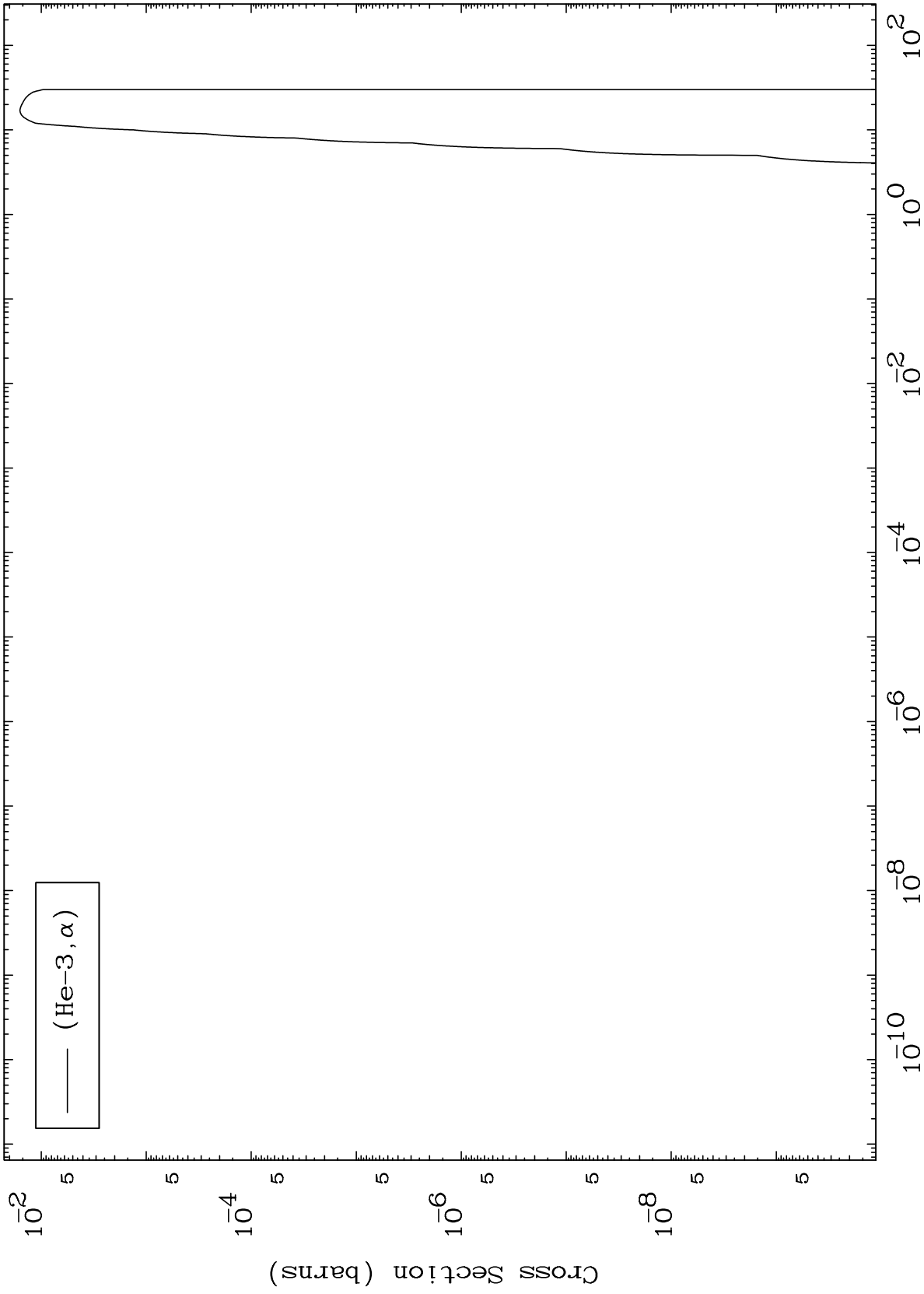
Incident Energy (MeV)

39-Y -87

MAT 3920

(He-3, α) Levels
0 Kelvin Cross Sections

39-Y -87



10

10^{-10}

10^{-6}

10^{-4}

10^{-2}

10^0

10^2

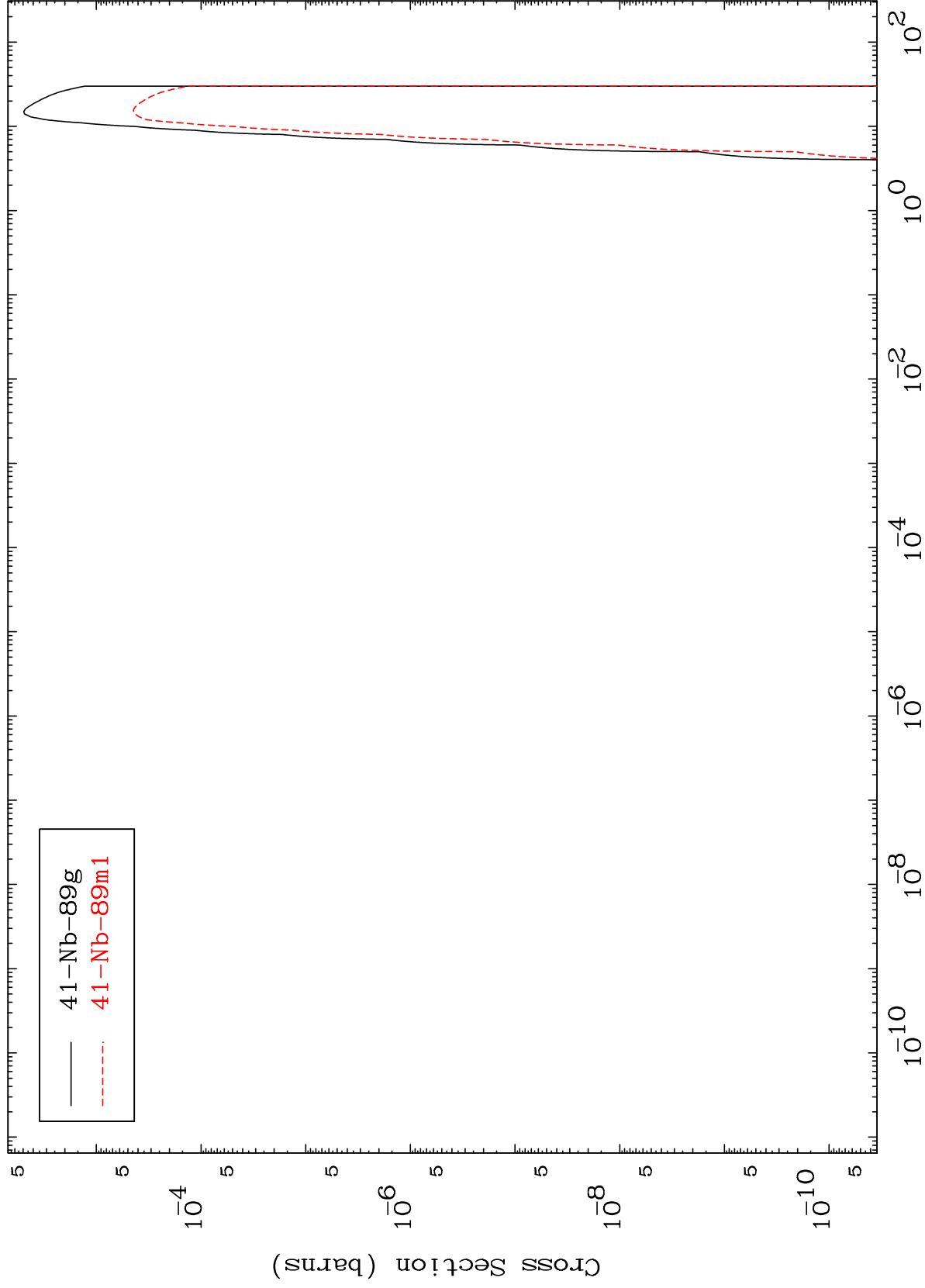
Incident Energy (MeV)

39-Y -87

MAT 3920

He-3 Inelastic
Radionuclide Production Cross Section

39-Y -87



11

Incident Energy (MeV)

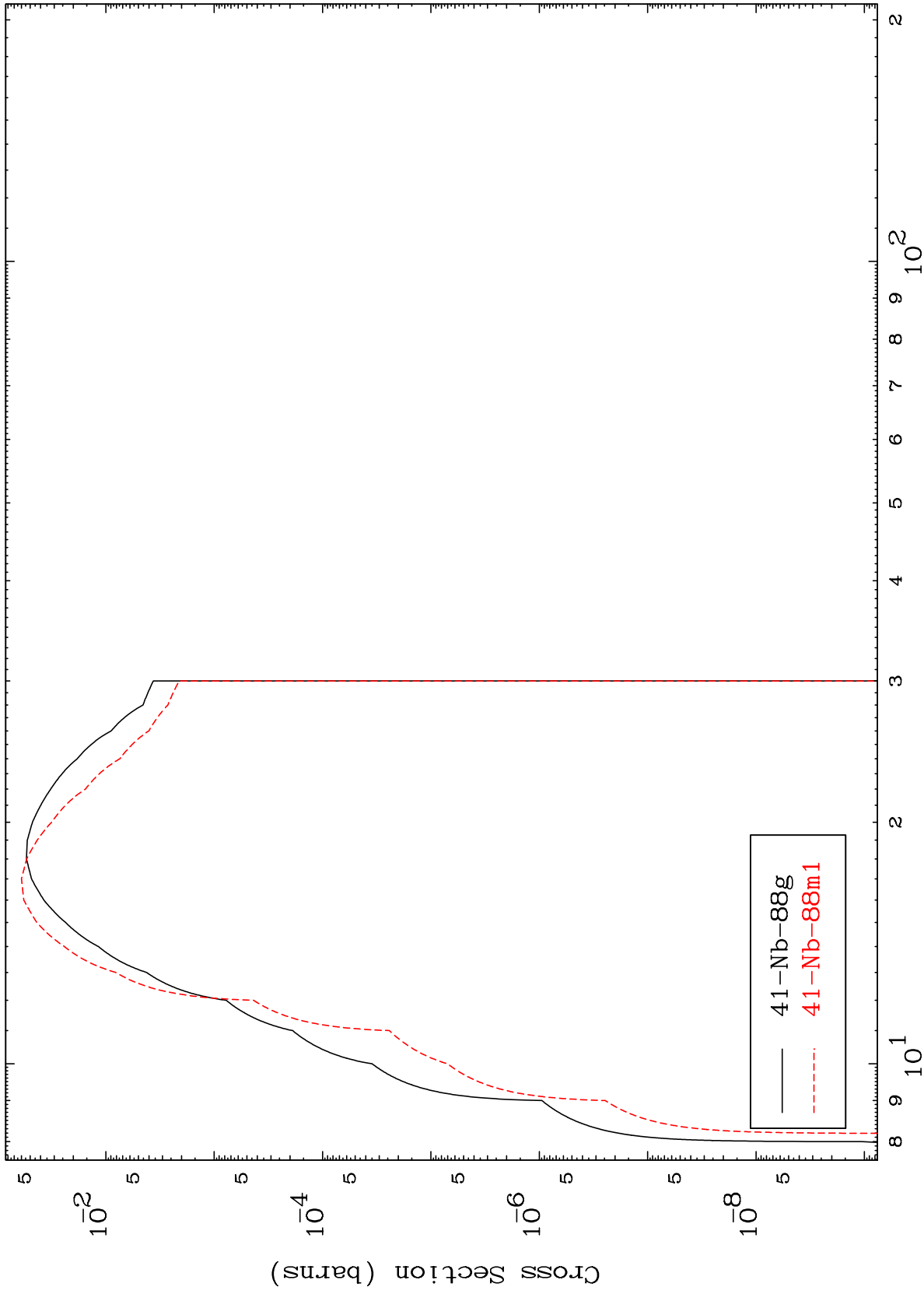
39-Y -87

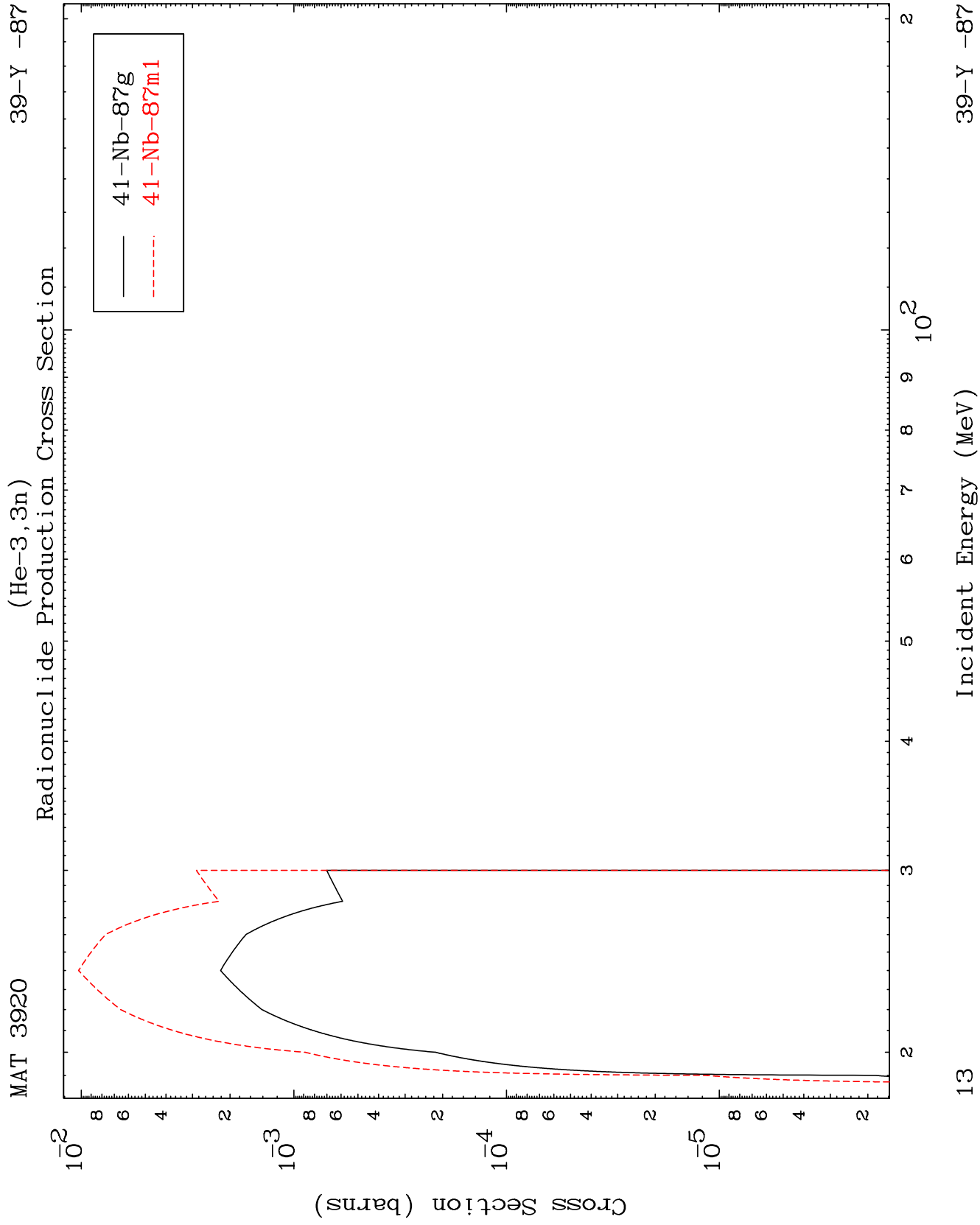
MAT 3920

(He-3,2n)

39-Y -87

Radionuclide Production Cross Section



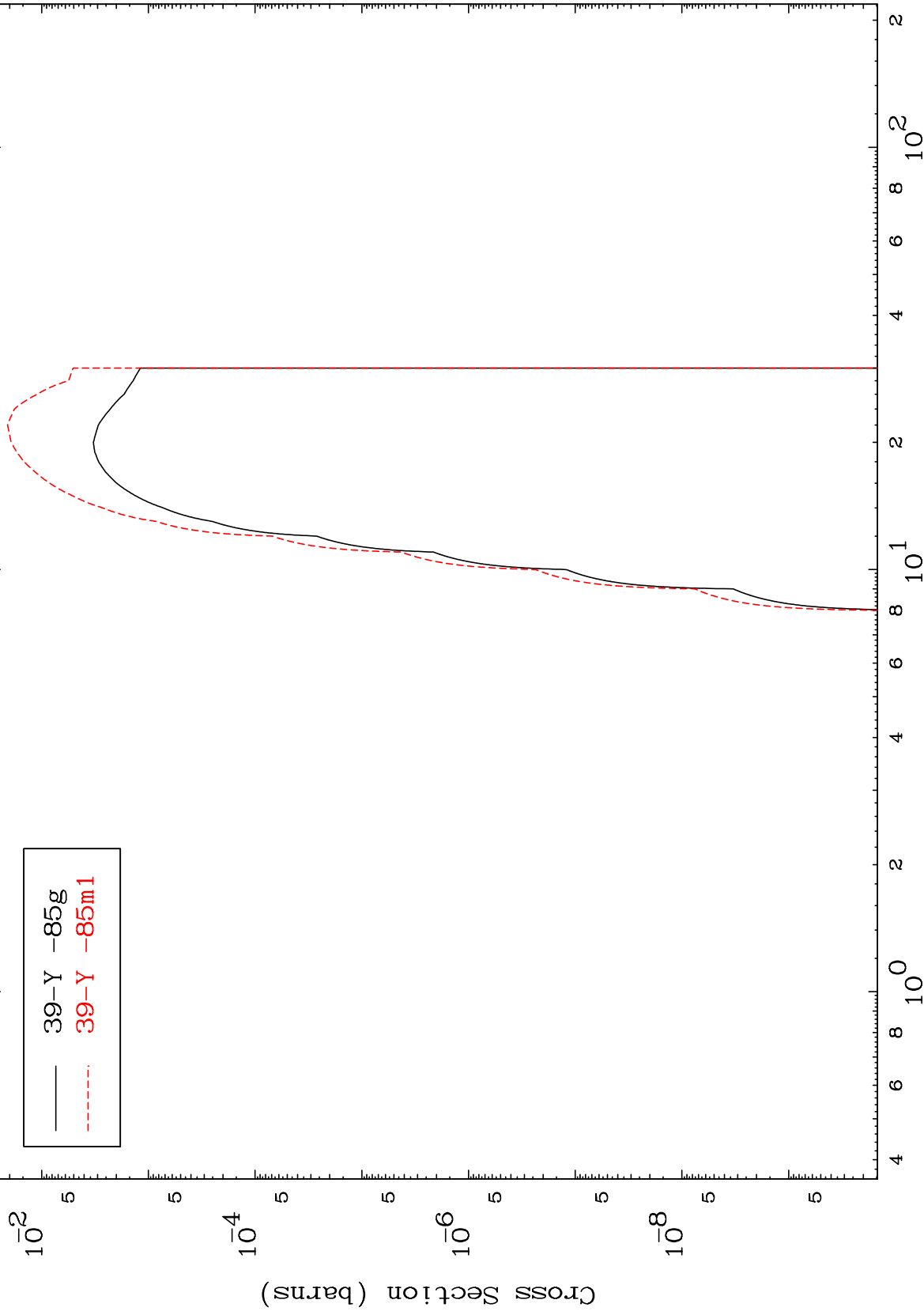


MAT 3920

(He-3,n') α

39-Y -87

Radionuclide Production Cross Section



14

Incident Energy (MeV)

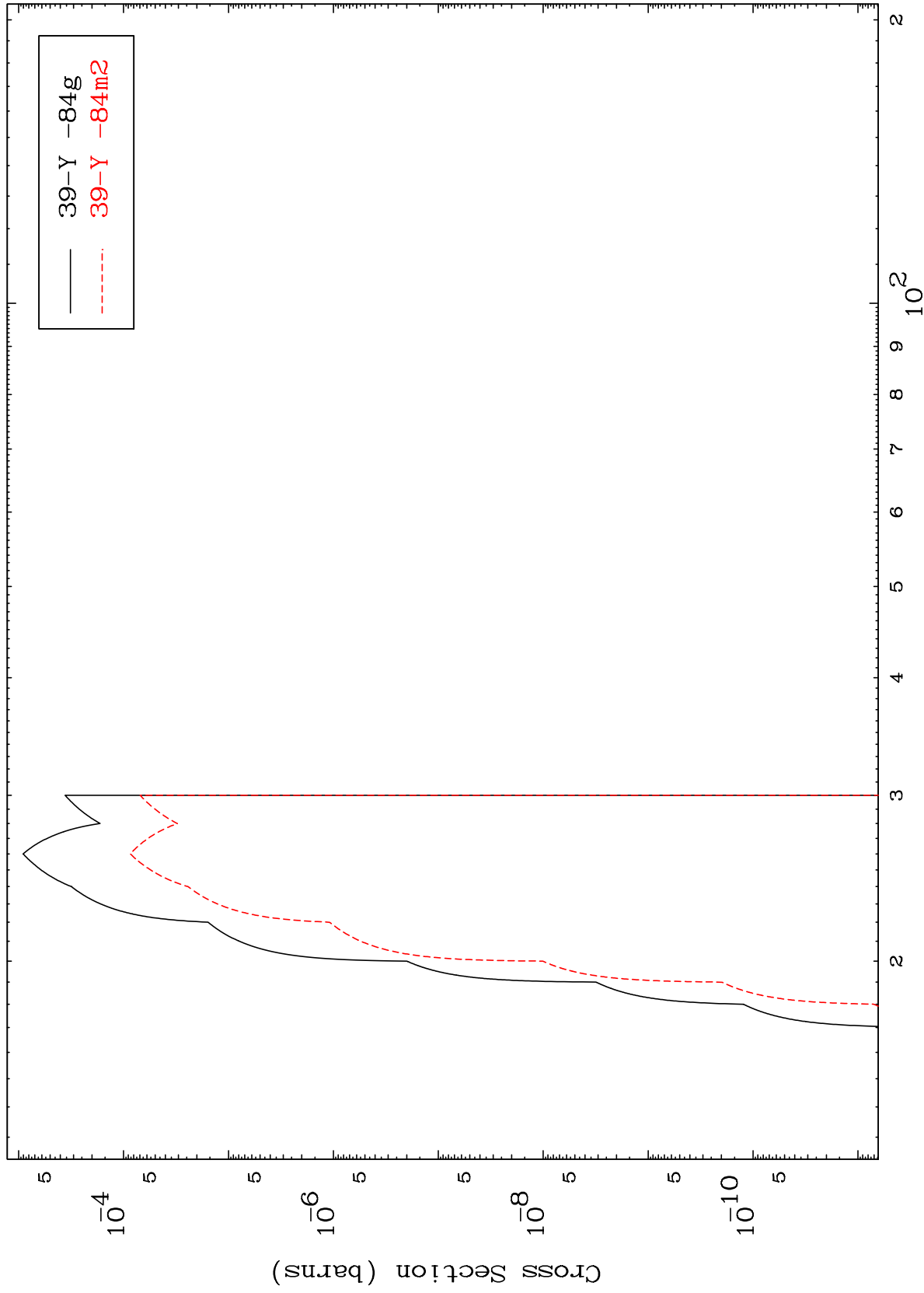
39-Y -87

MAT 3920

(He-3,2n) α

39-Y -87

Radionuclide Production Cross Section



15

Incident Energy (MeV)

39-Y -87

MAT 3920

(He-3,n') 2 α

39-Y -87

Radionuclide Production Cross Section

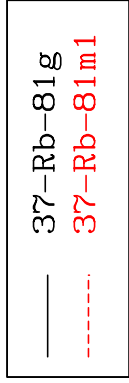
10⁻⁶

10⁻⁸

10⁻¹⁰

10⁻¹²

10⁻¹⁴



Cross Section (barns)

10²

10¹

Incident Energy (MeV)

16

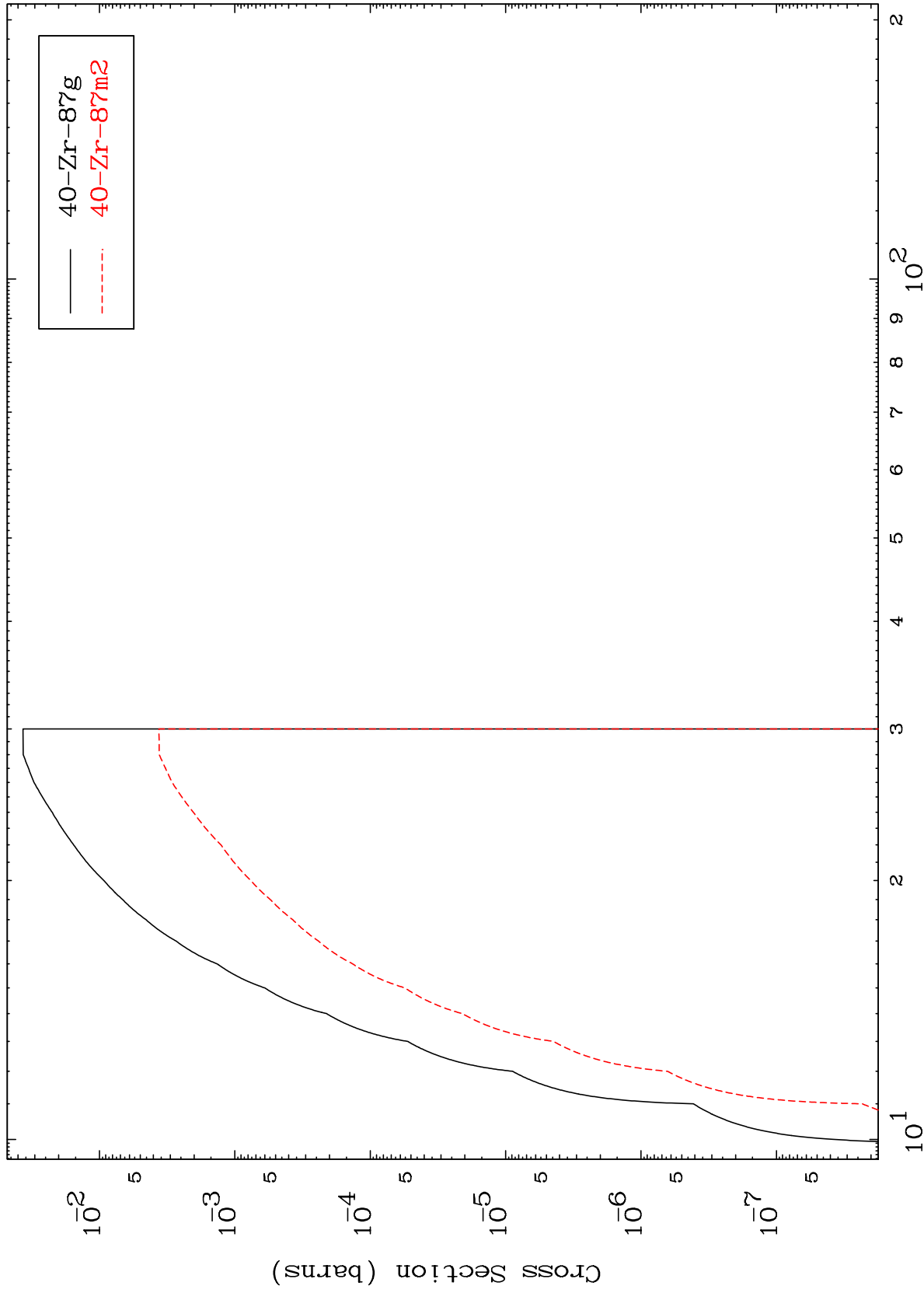
39-Y -87

MAT 3920

(He-3,n') d

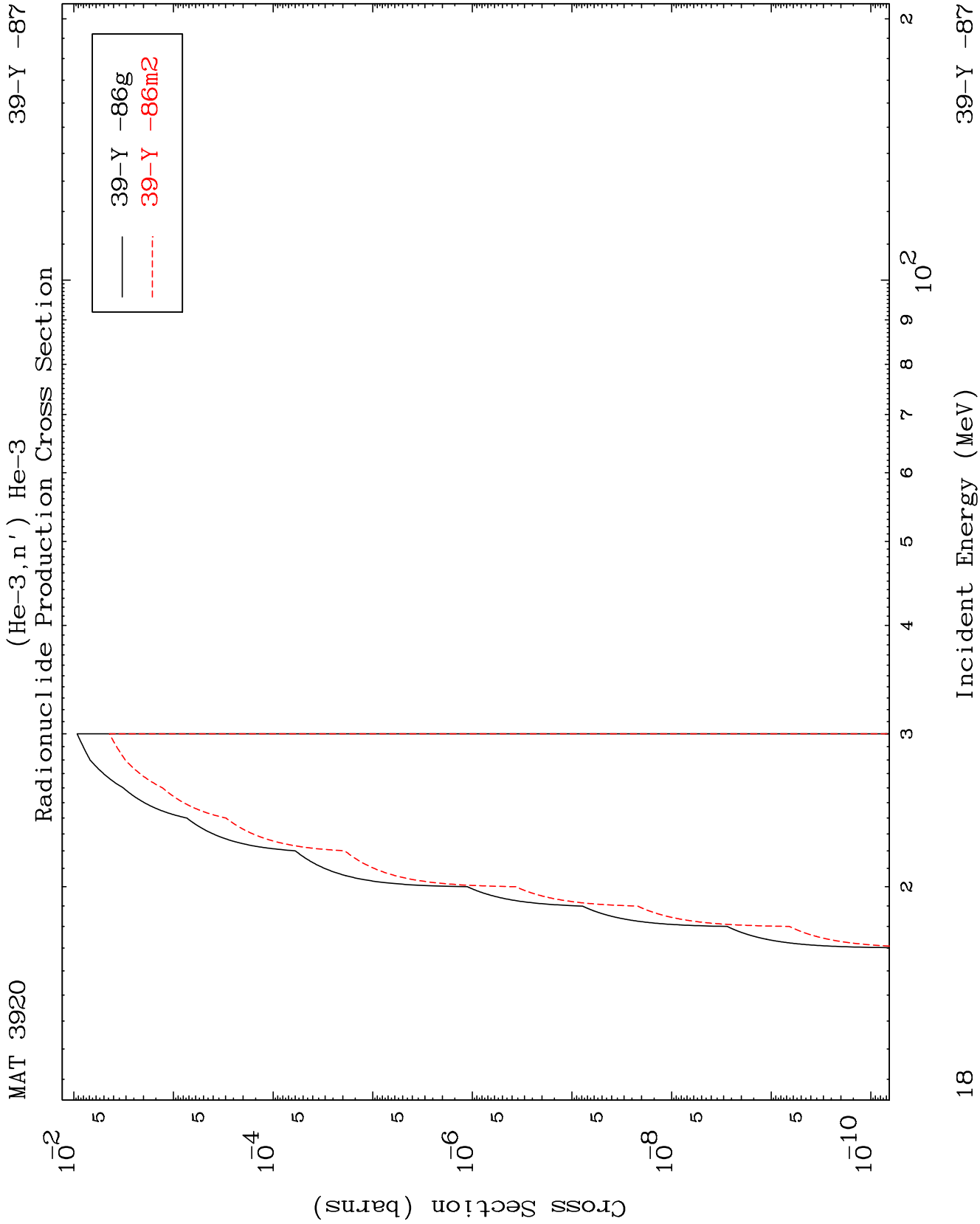
39-Y -87

Radionuclide Production Cross Section



Incident Energy (MeV)

39-Y -87

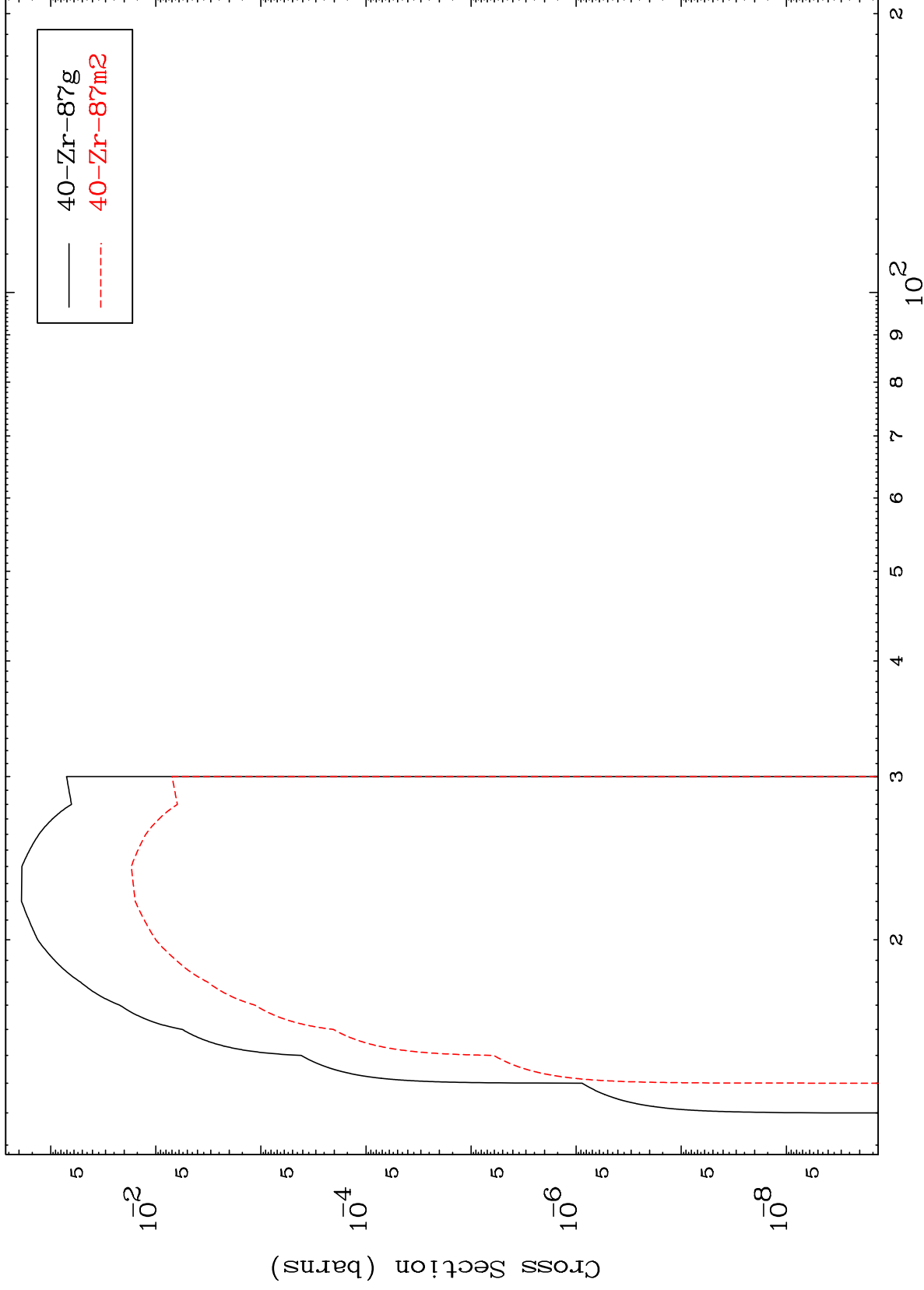


MAT 3920

(He-3,2n) p

39-Y -87

Radionuclide Production Cross Section



19

Incident Energy (MeV)

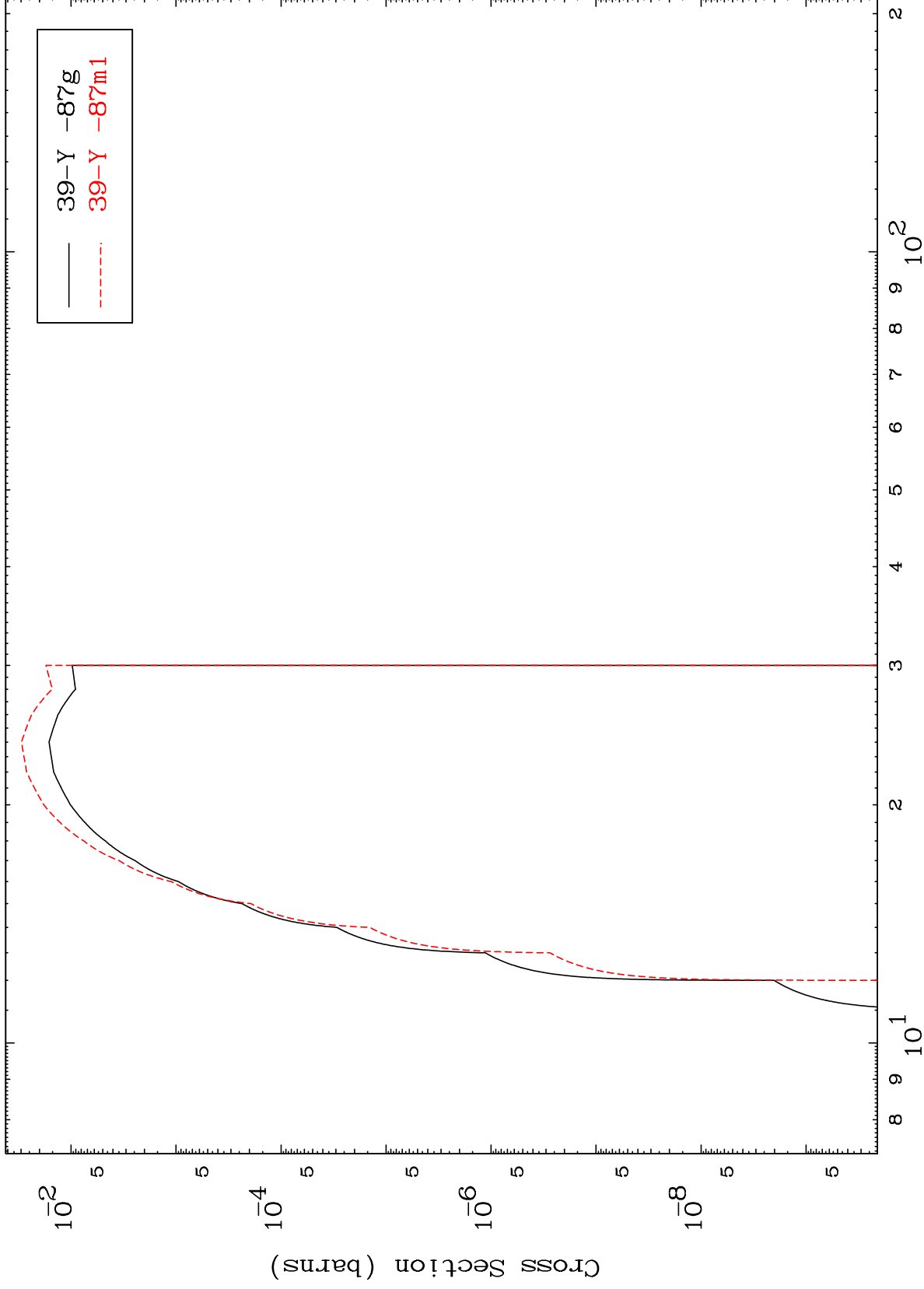
39-Y -87

MAT 3920

(He-3,2n) p

39-Y -87

Radionuclide Production Cross Section



20

Incident Energy (MeV)

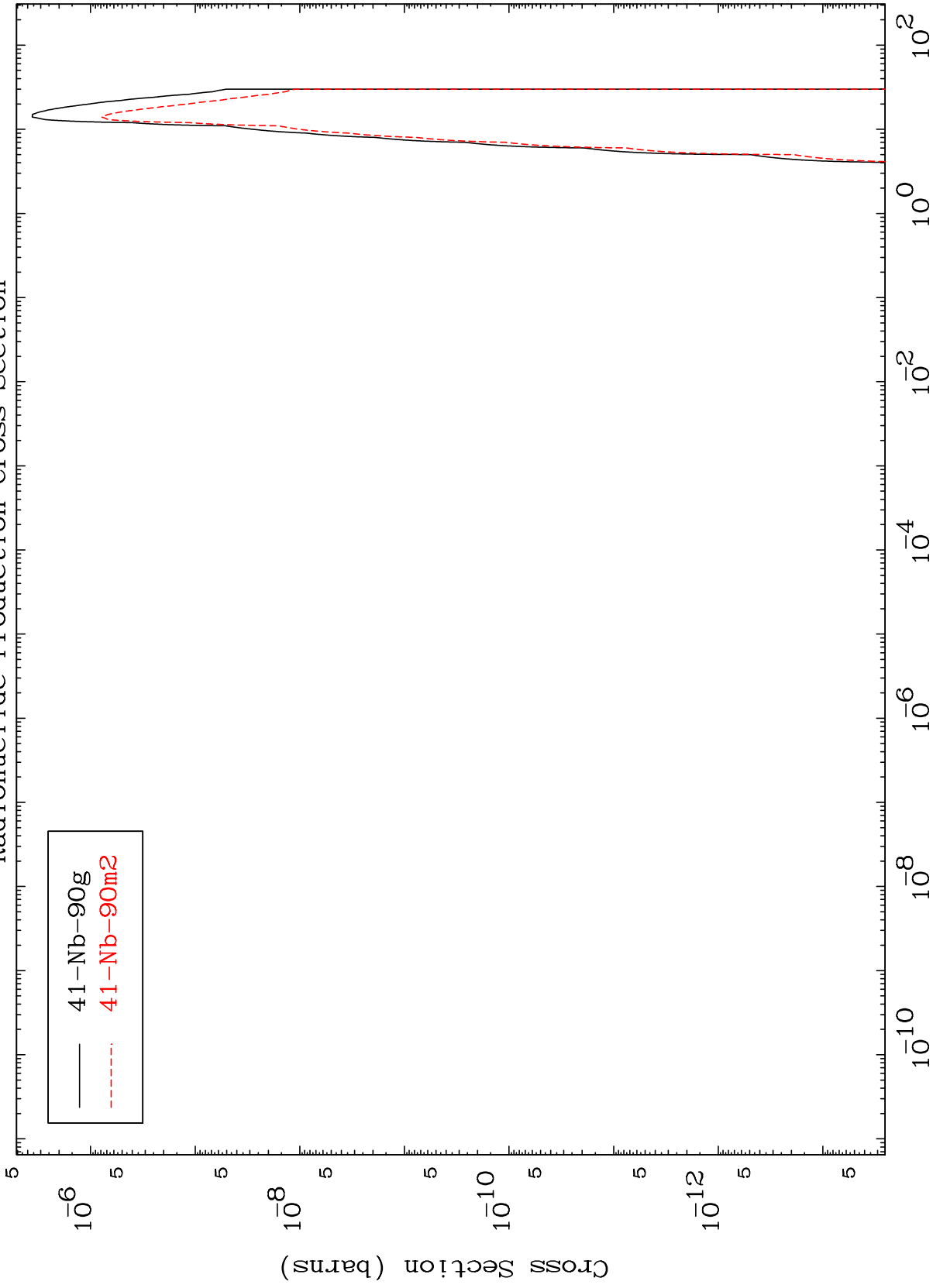
39-Y -87

MAT 3920

(He-3, γ)

39-Y -87

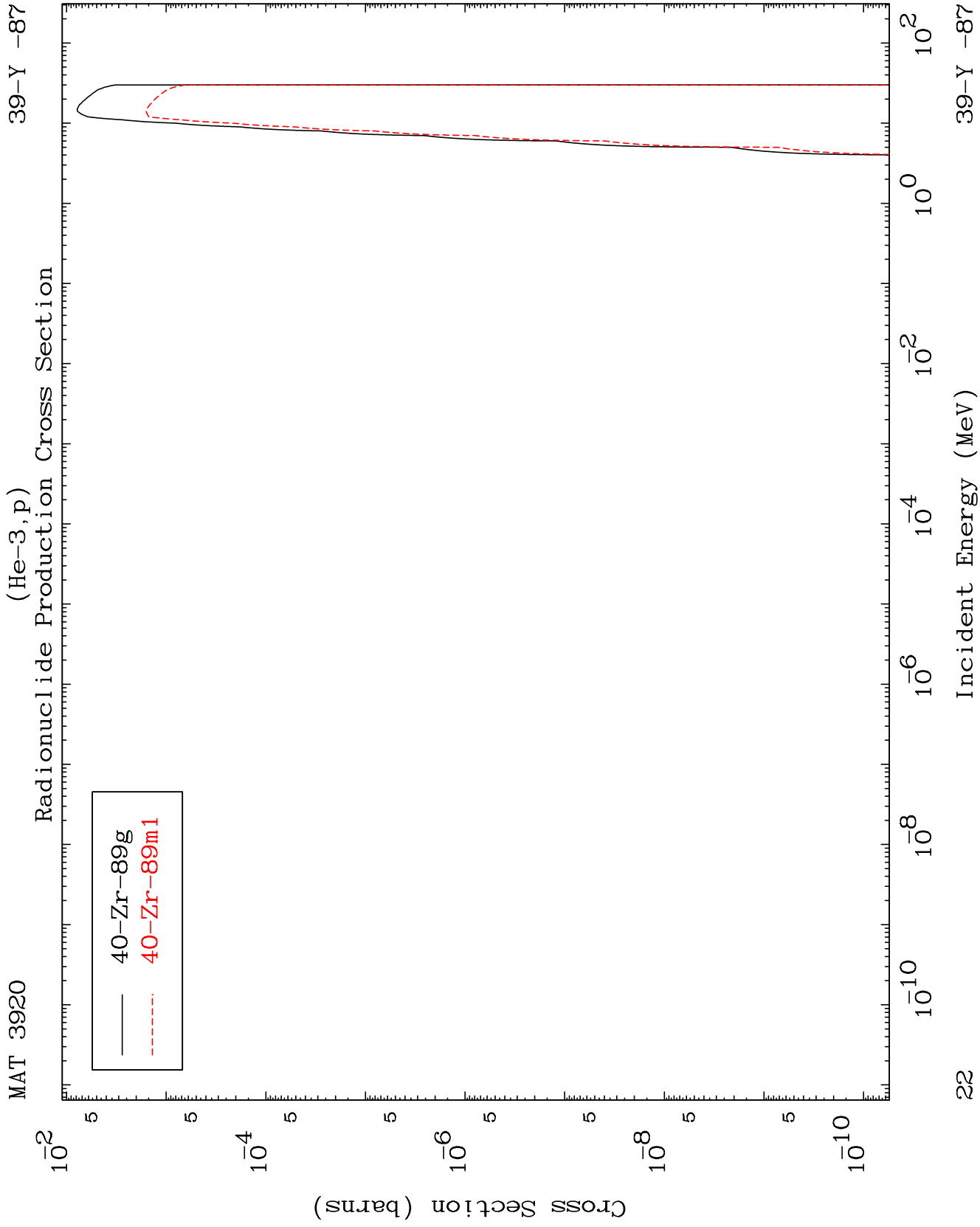
Radionuclide Production Cross Section



21

Incident Energy (MeV)

39-Y -87

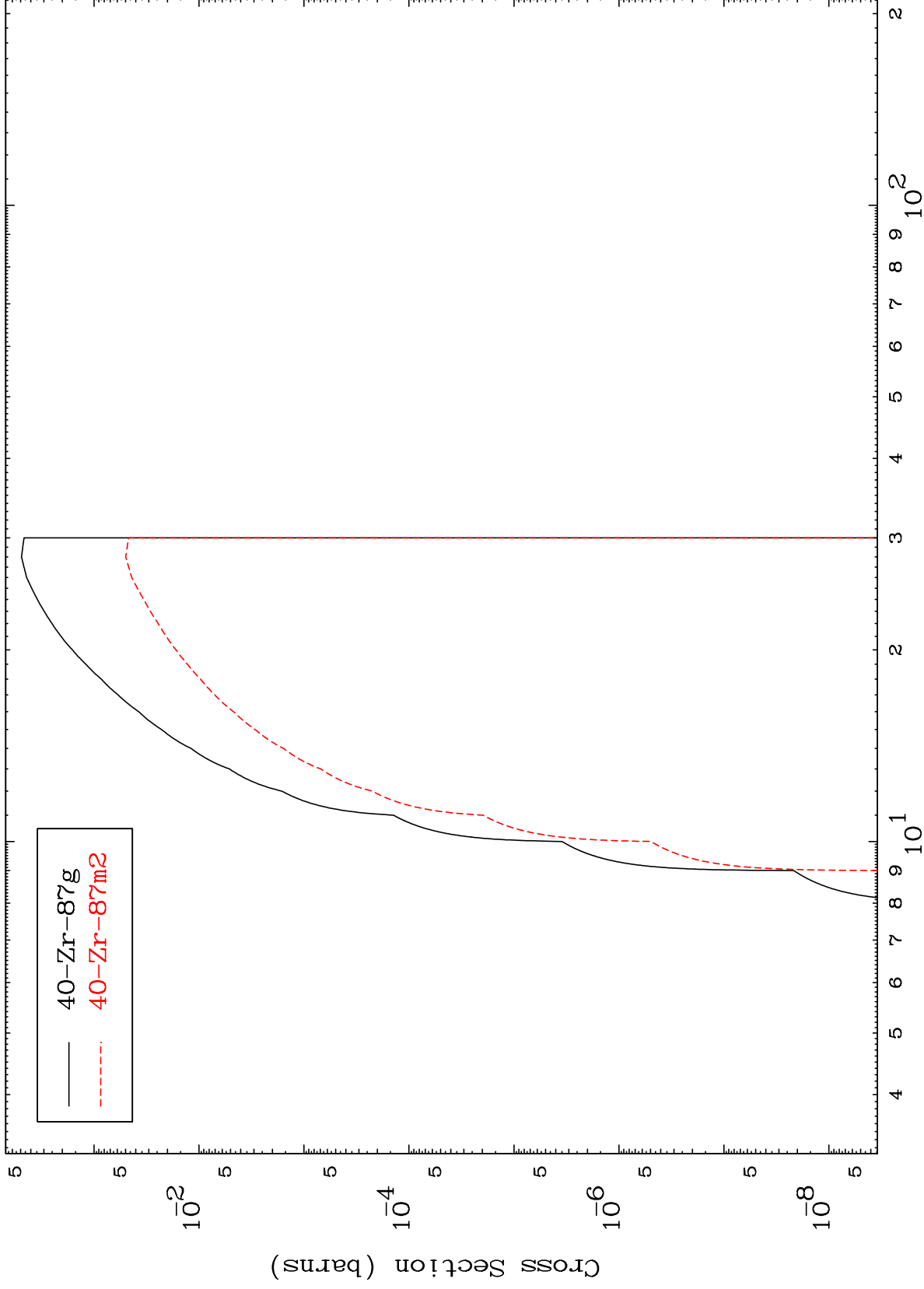


MAT 3920

(He-3, t)

39-Y -87

Radionuclide Production Cross Section



23

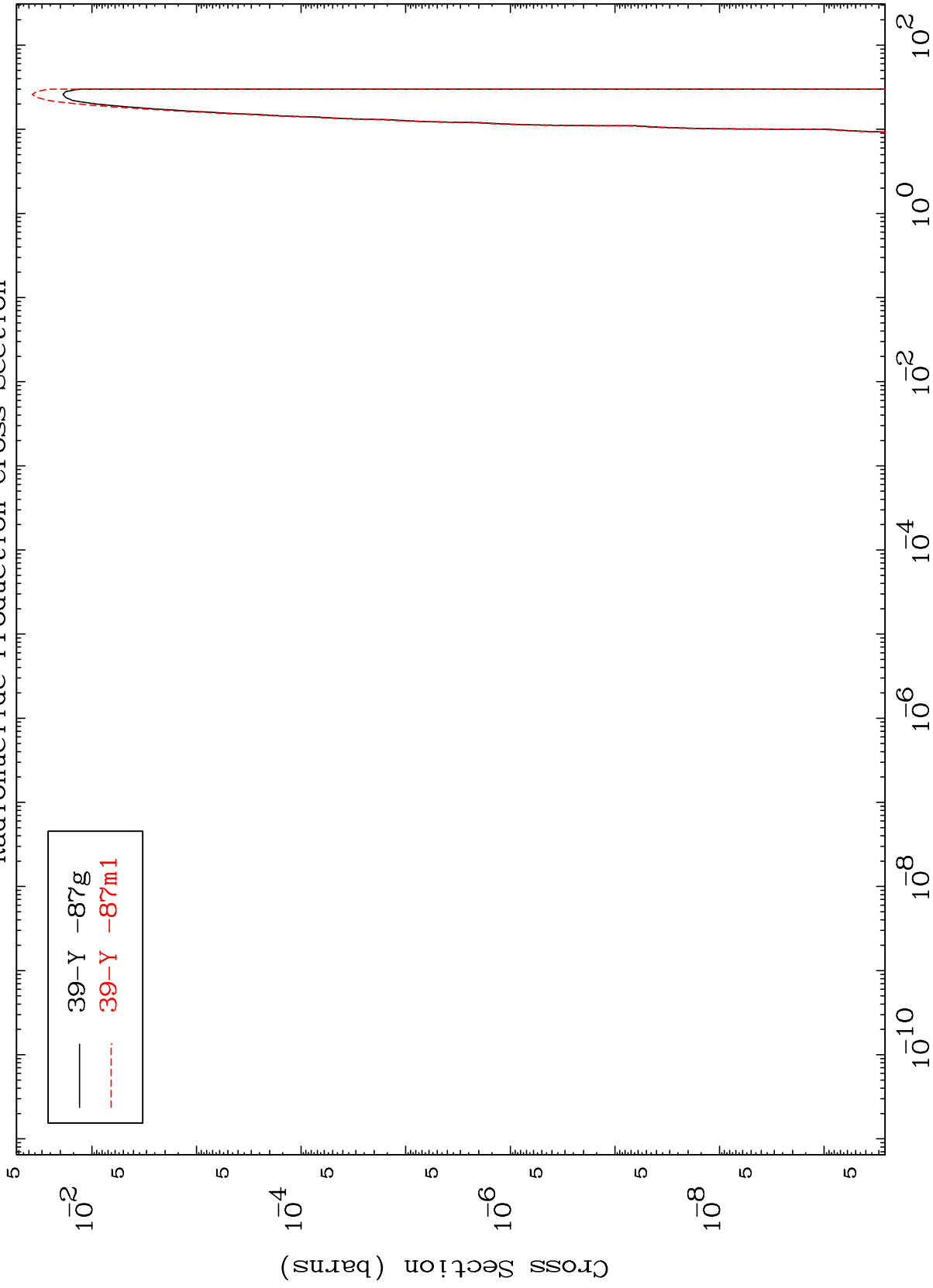
Incident Energy (MeV)

39-Y -87

MAT 3920

(He-3,He-3)
Radionuclide Production Cross Section

39-Y -87



24

Incident Energy (MeV)

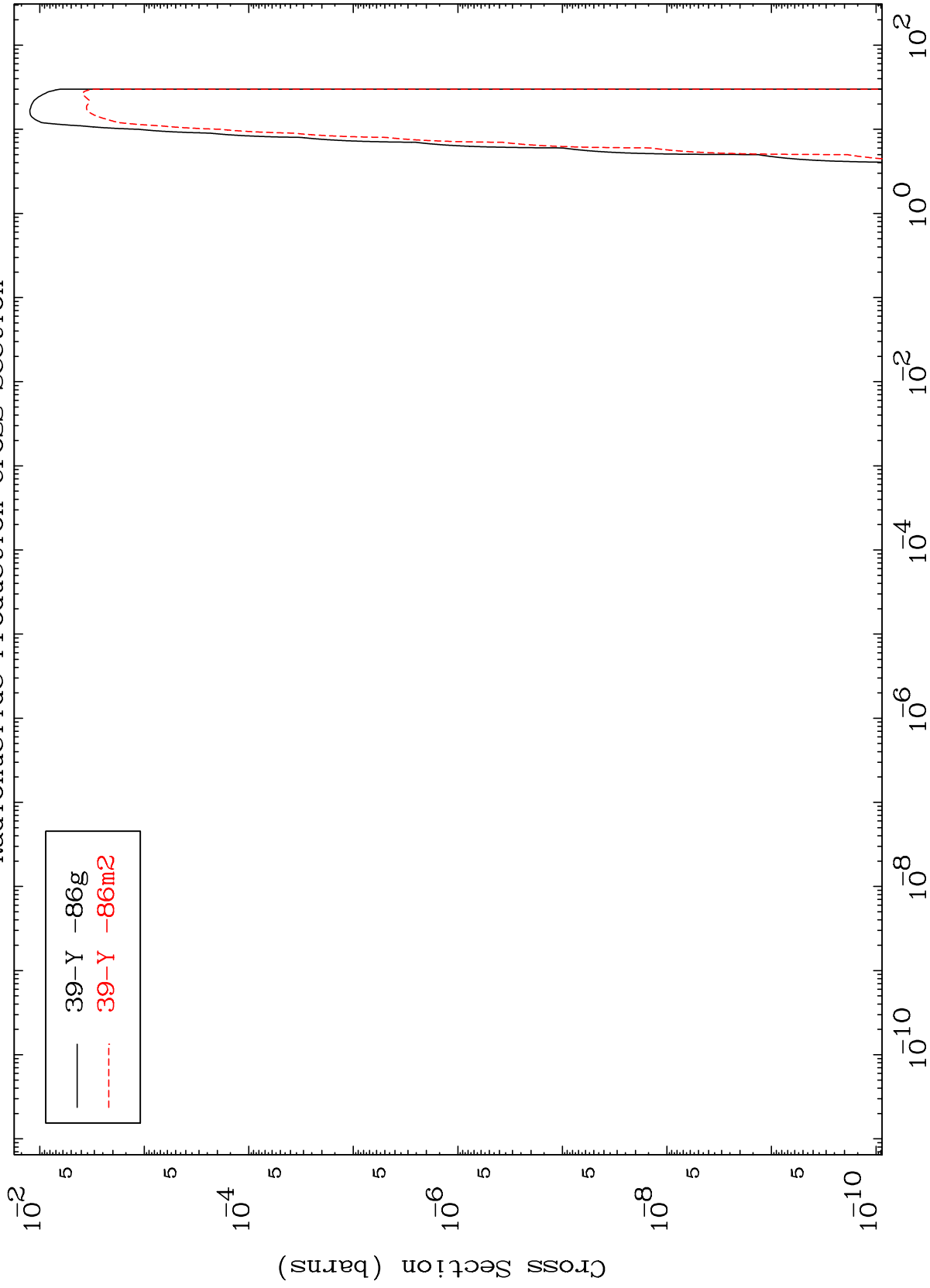
39-Y -87

MAT 3920

(He-3, α)

39-Y -87

Radionuclide Production Cross Section



25

Incident Energy (MeV)

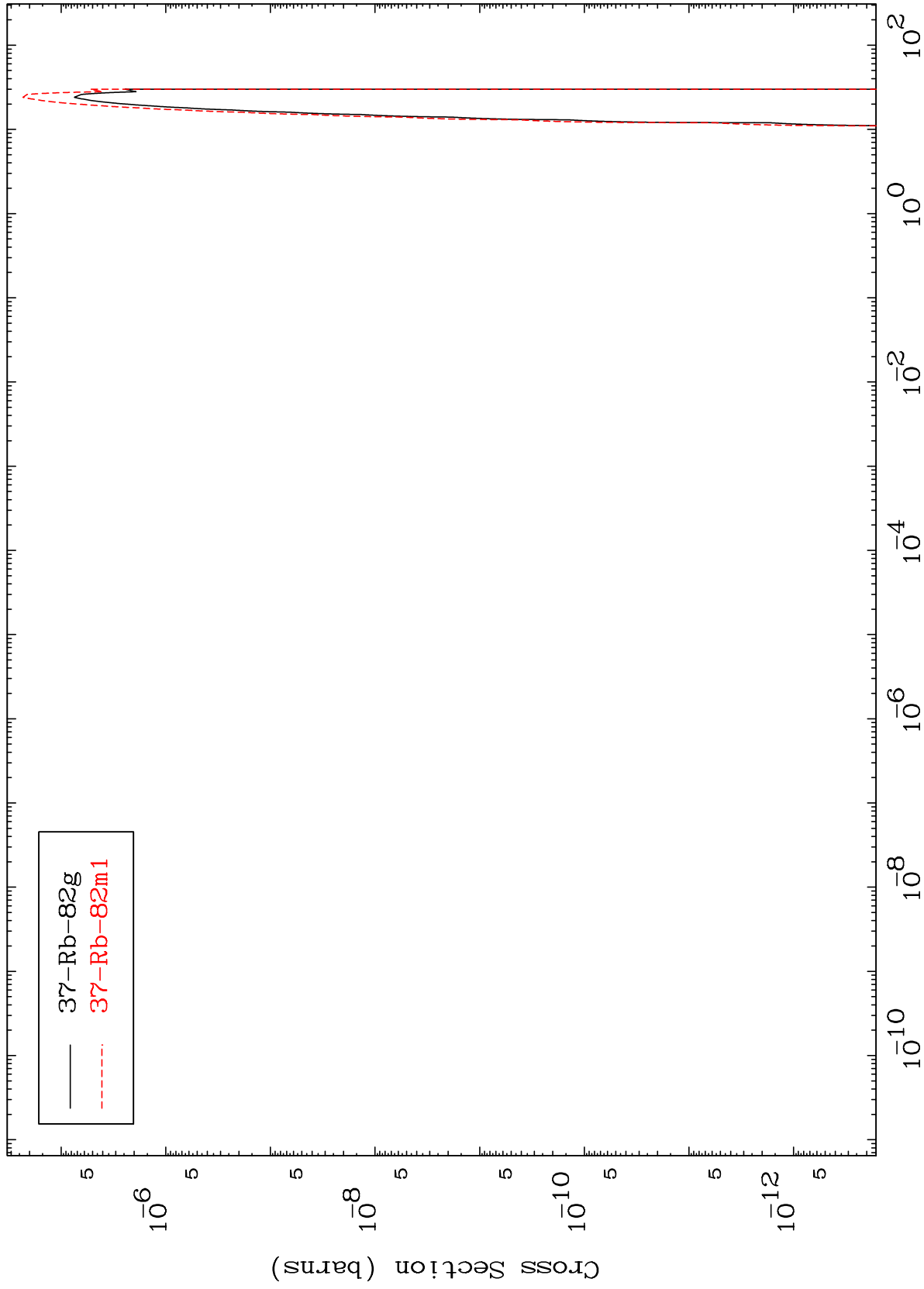
39-Y -87

MAT 3920

(He-3,2α)

39-Y -87

Radionuclide Production Cross Section



— $^{37}\text{Rb-82g}$
- - - $^{37}\text{Rb-82m1}$

26

Incident Energy (MeV)

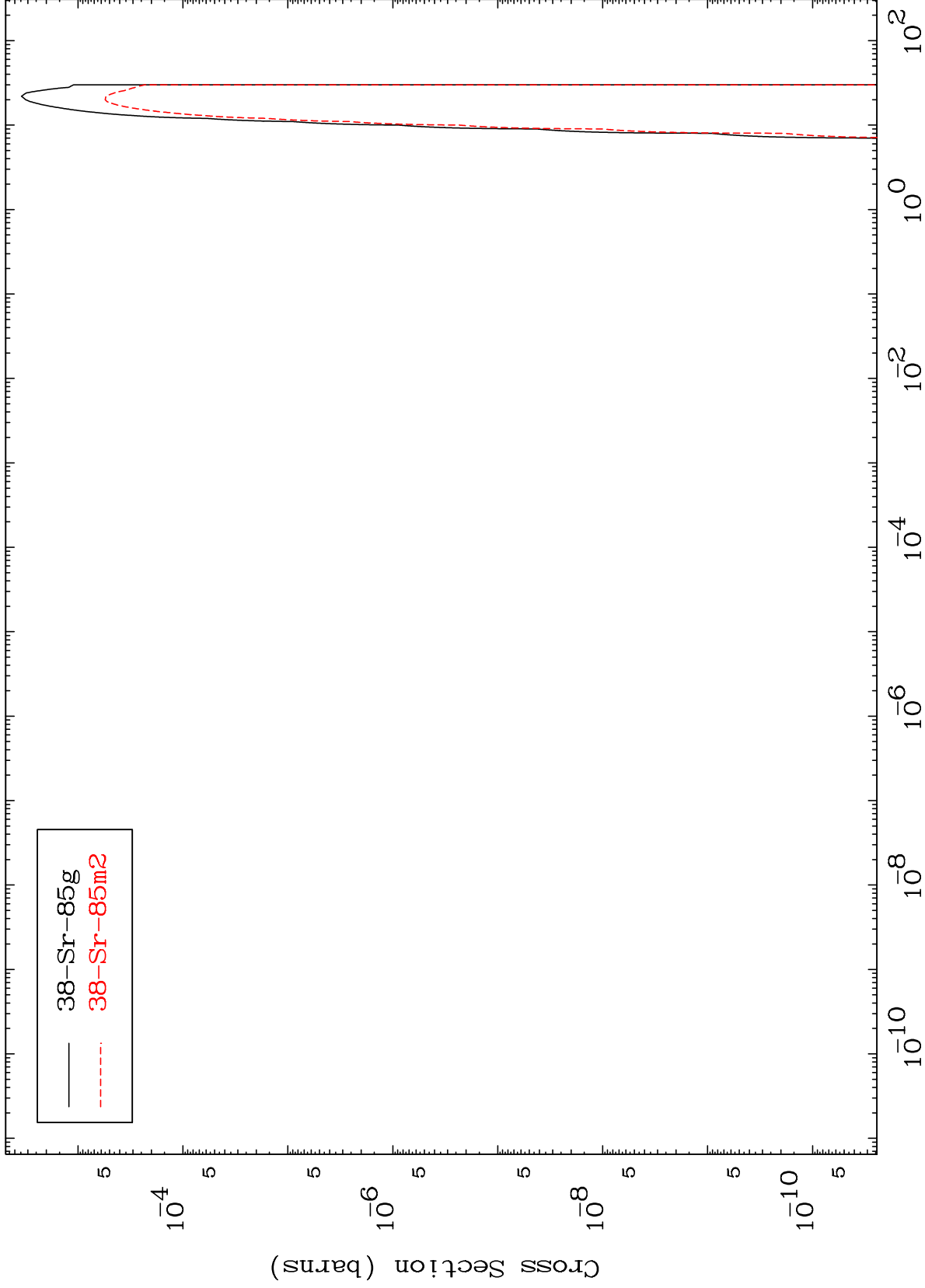
39-Y -87

MAT 3920

(He-3,p) α

39-Y -87

Radionuclide Production Cross Section



27

Incident Energy (MeV)

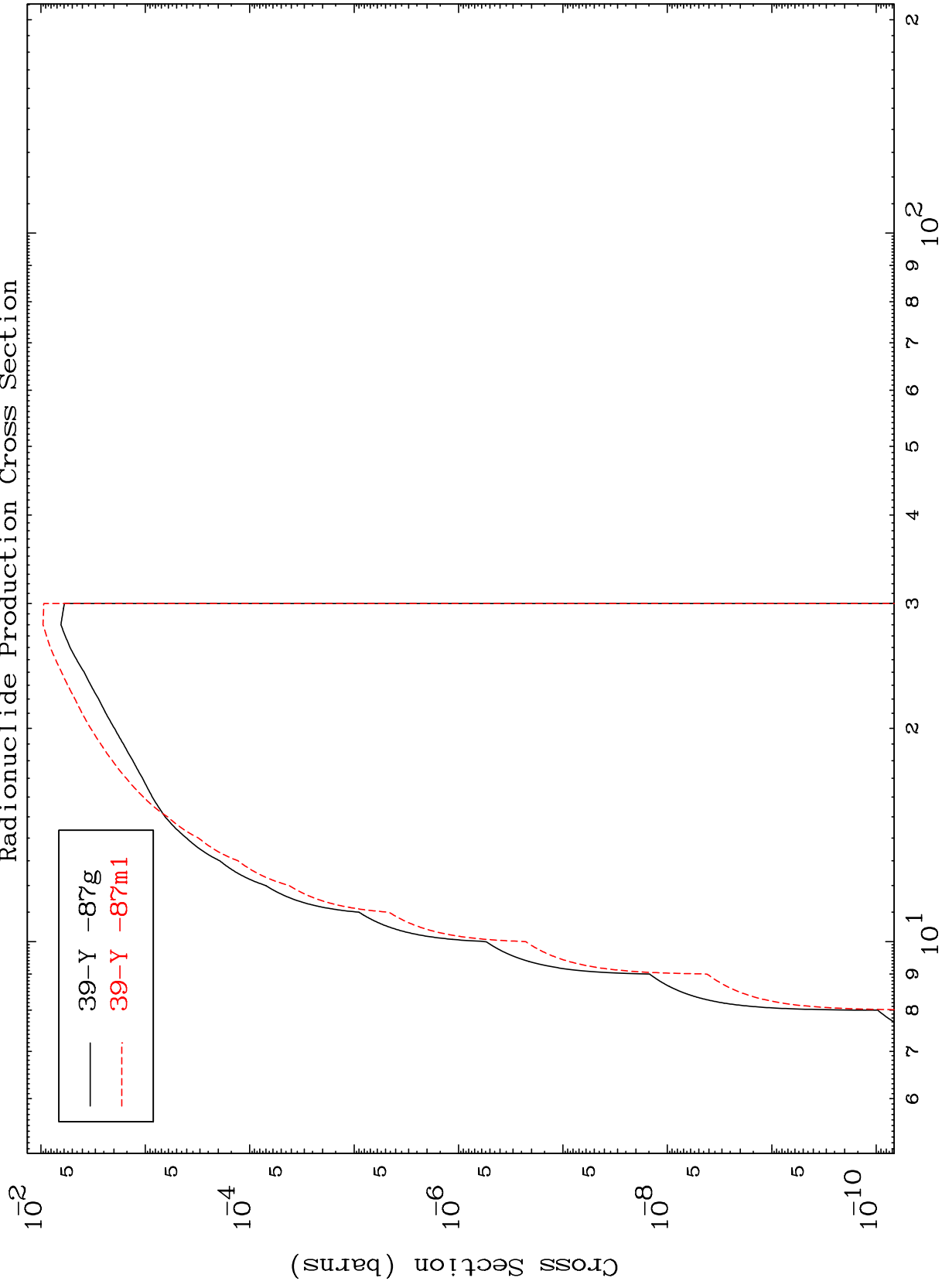
39-Y -87

MAT 3920

(He-3,p) d

39-Y -87

Radionuclide Production Cross Section



39-Y -87

Incident Energy (MeV)

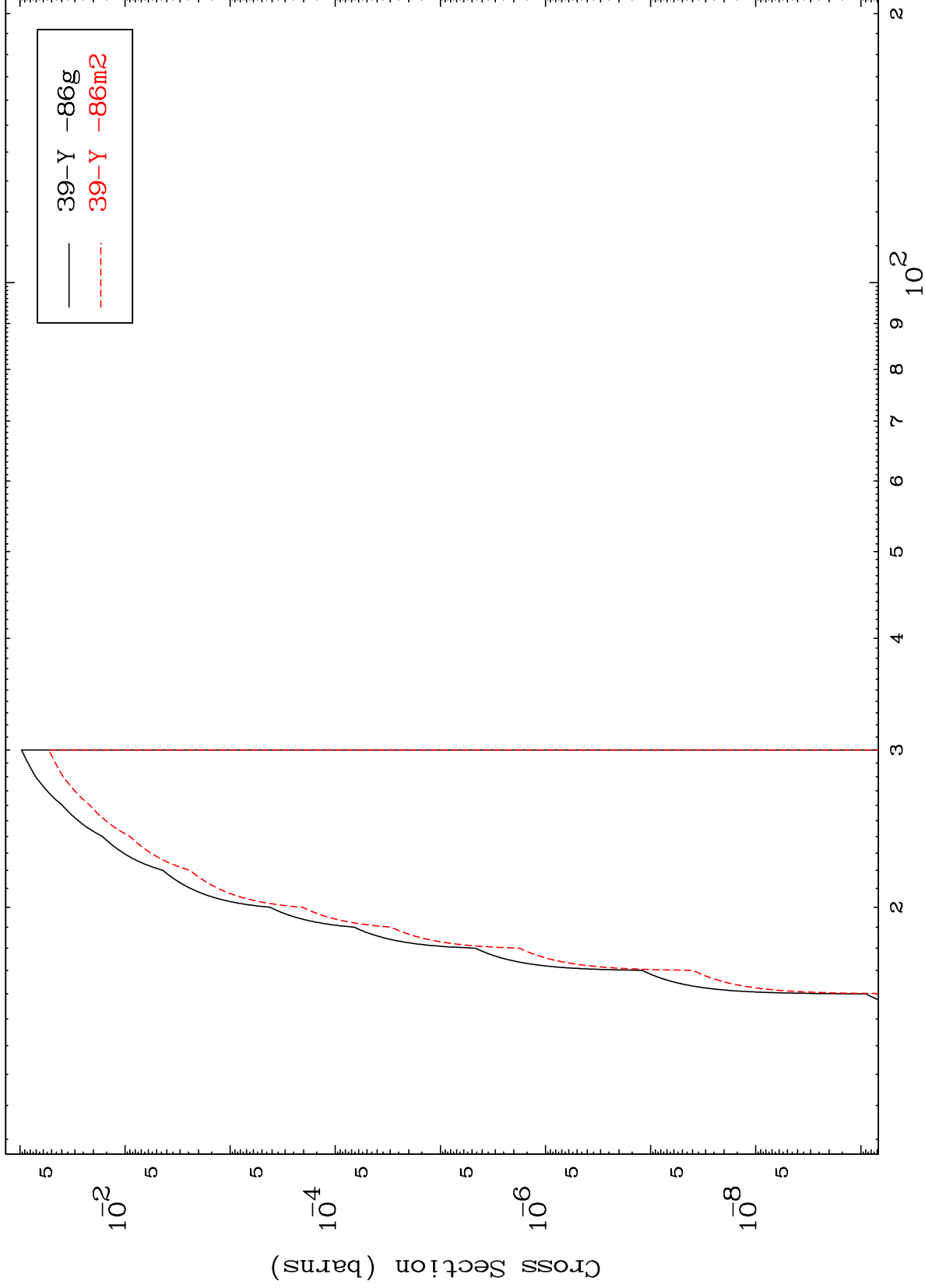
28

MAT 3920

(He-3,p) t

39-Y -87

Radionuclide Production Cross Section



29

Incident Energy (MeV)

39-Y -87