

Program EVALPLOT
(Version 2021-1)

by

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(Present Contact Information)

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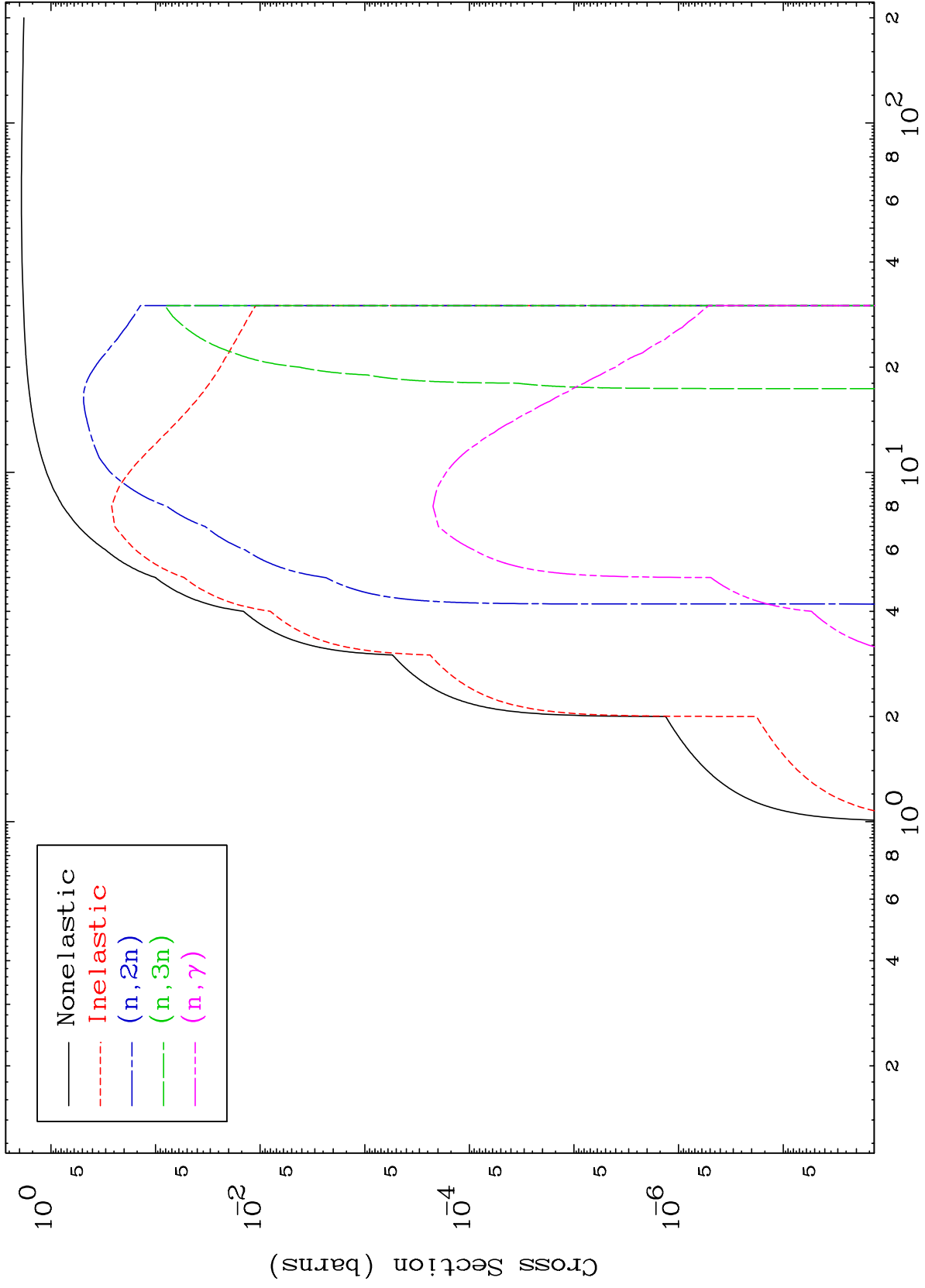
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

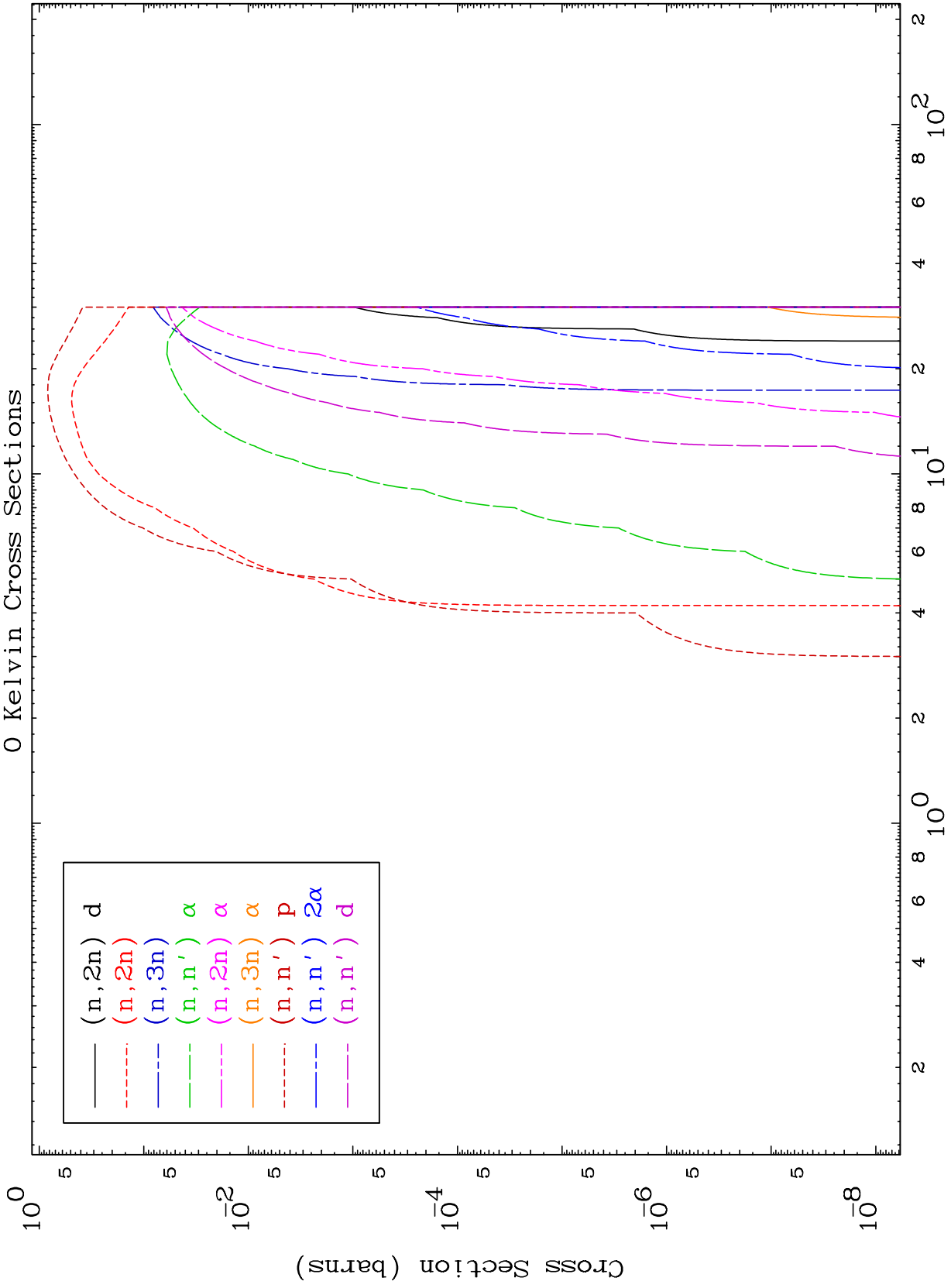
0 Kelvin Cross Sections



MAT 3917

Deuteron Neutron Absorption
0 Kelvin Cross Sections

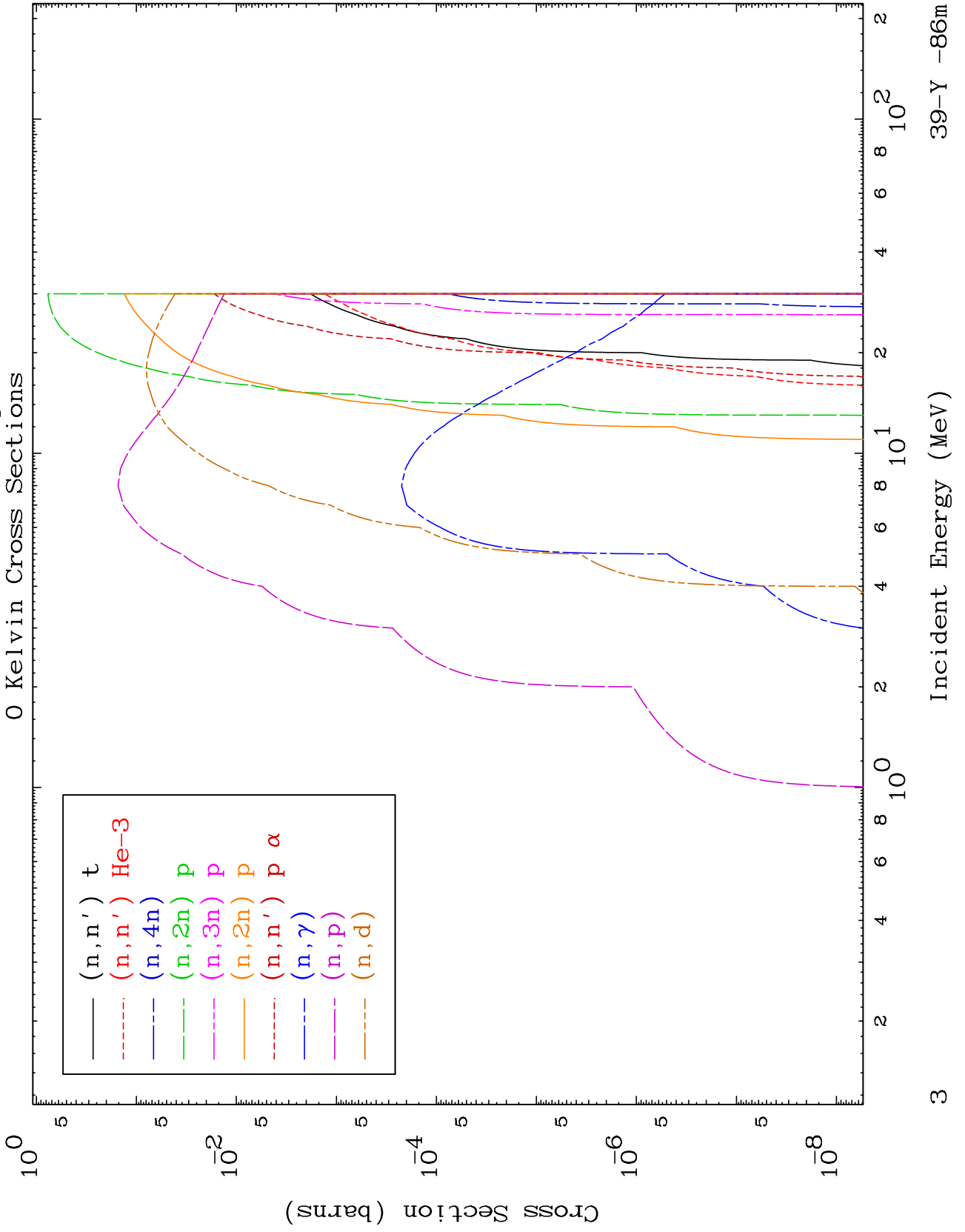
39-Y -86m



MAT 3917

Deuteron Neutron Absorption
0 Kelvin Cross Sections

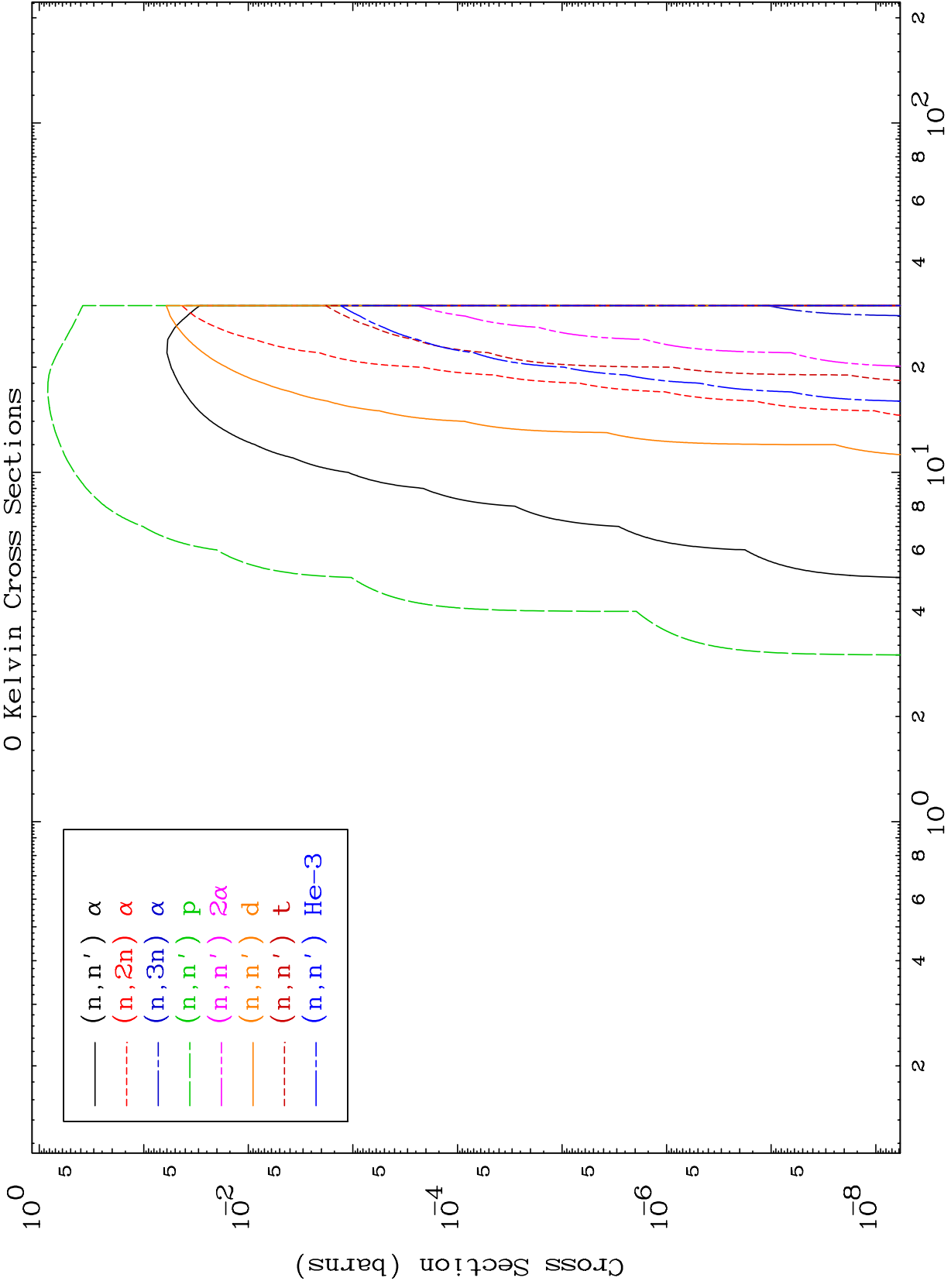
39-Y -86m



MAT 3917

Deuteron Charged Particle
0 Kelvin Cross Sections

39-Y -86m



5

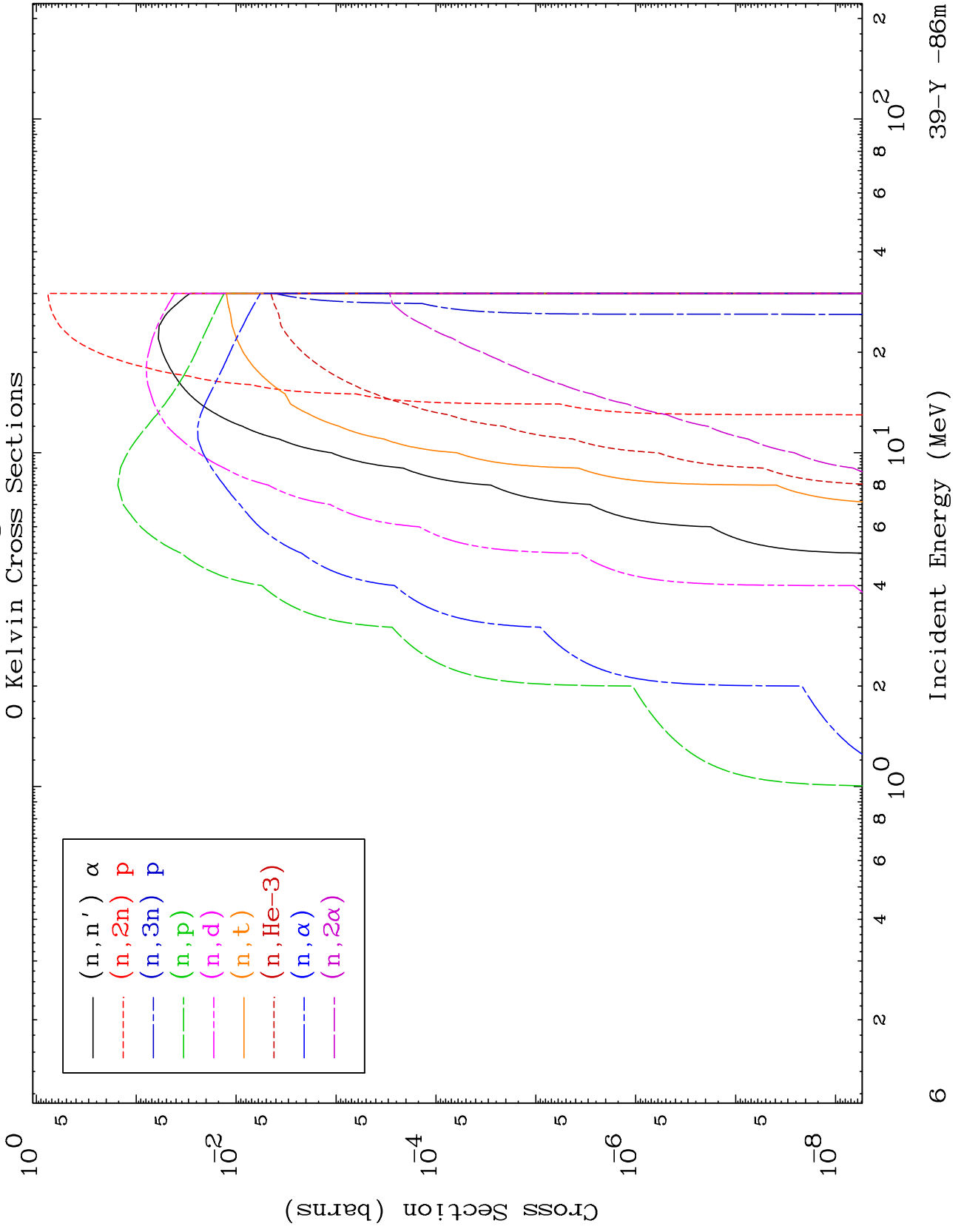
Incident Energy (MeV)

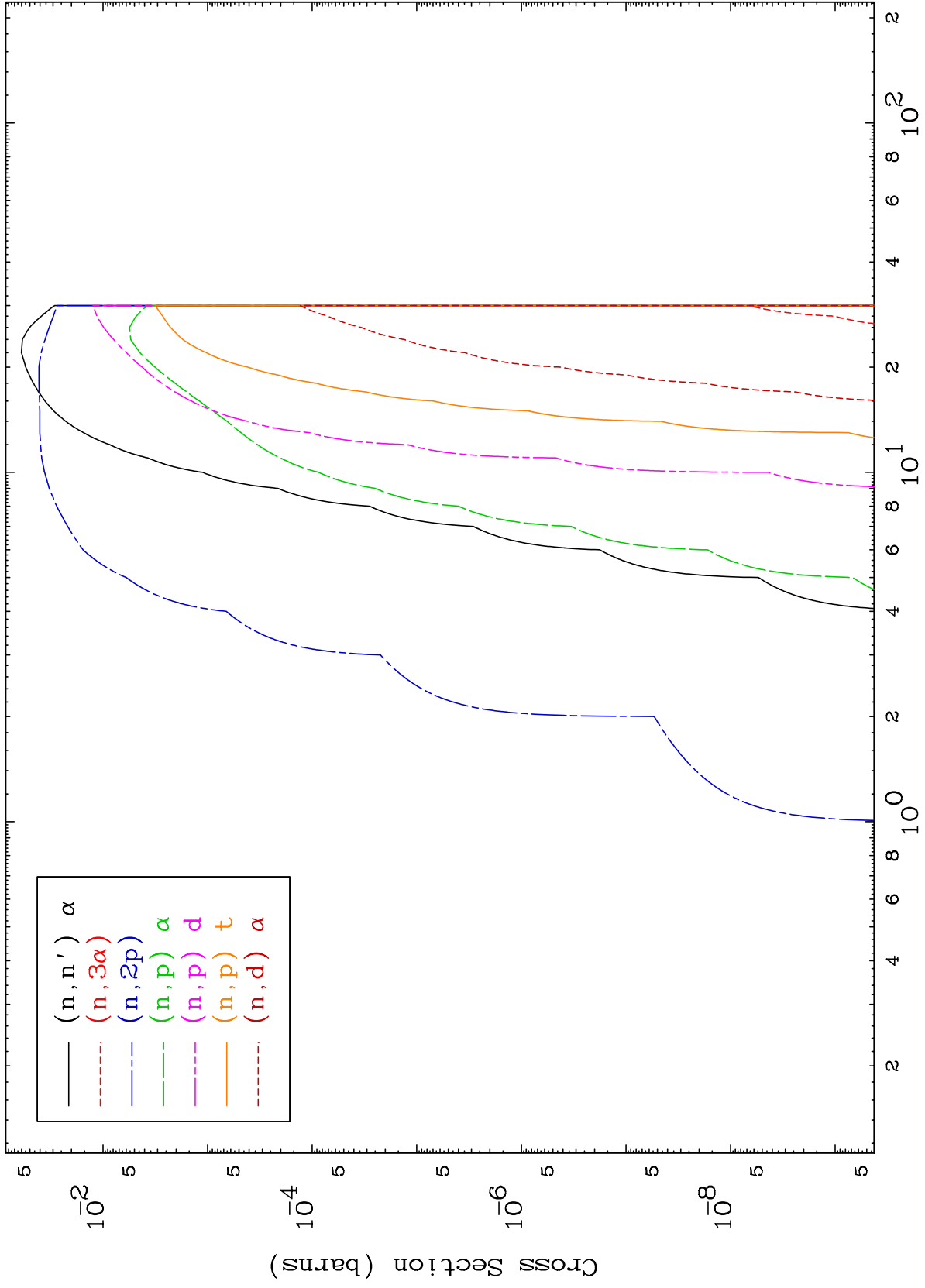
39-Y -86m

MAT 3917

Deuteron Charged Particle
0 Kelvin Cross Sections

39-Y -86m

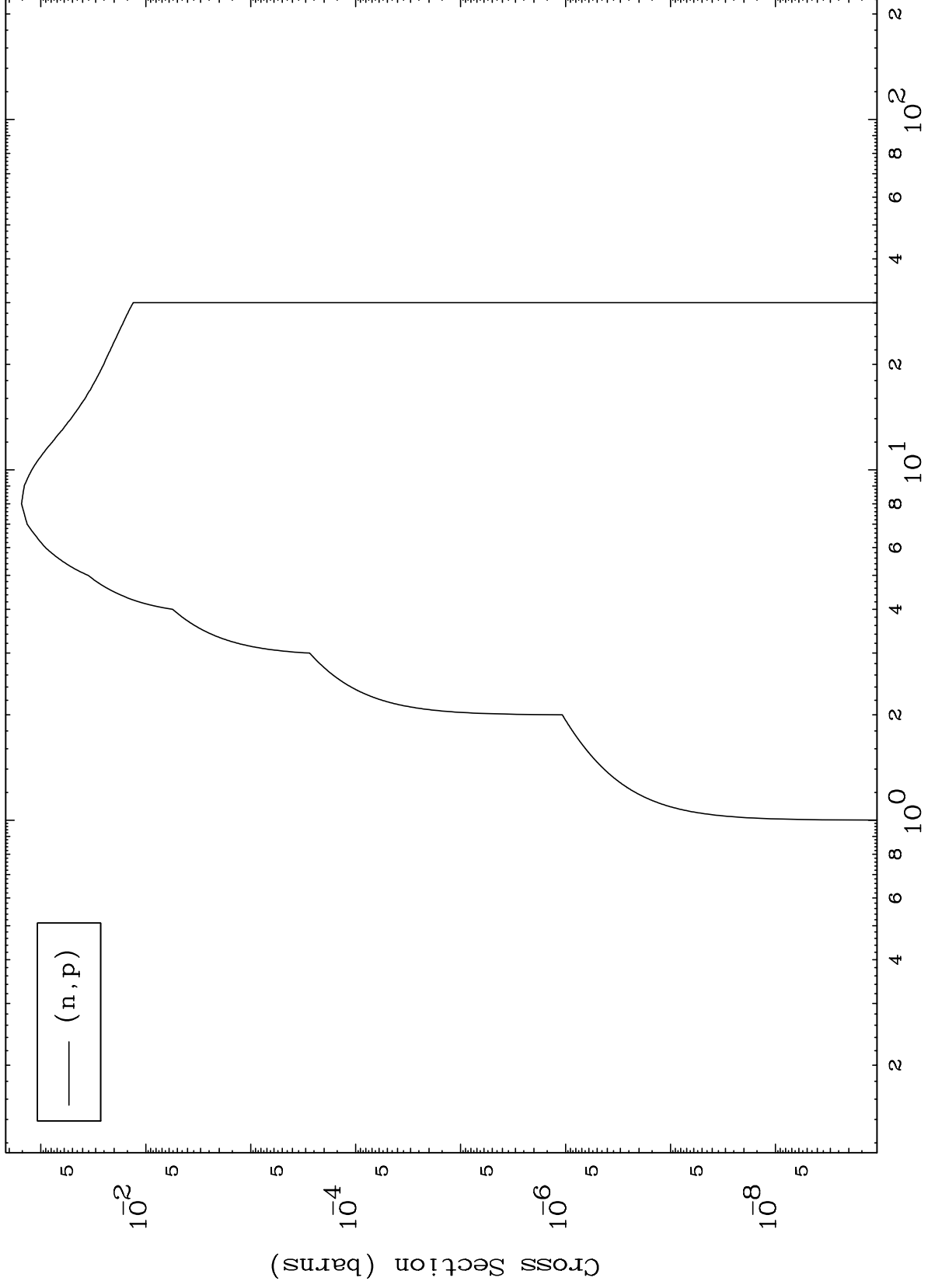




MAT 3917

(d,p) Levels
0 Kelvin Cross Sections

39-Y -86m

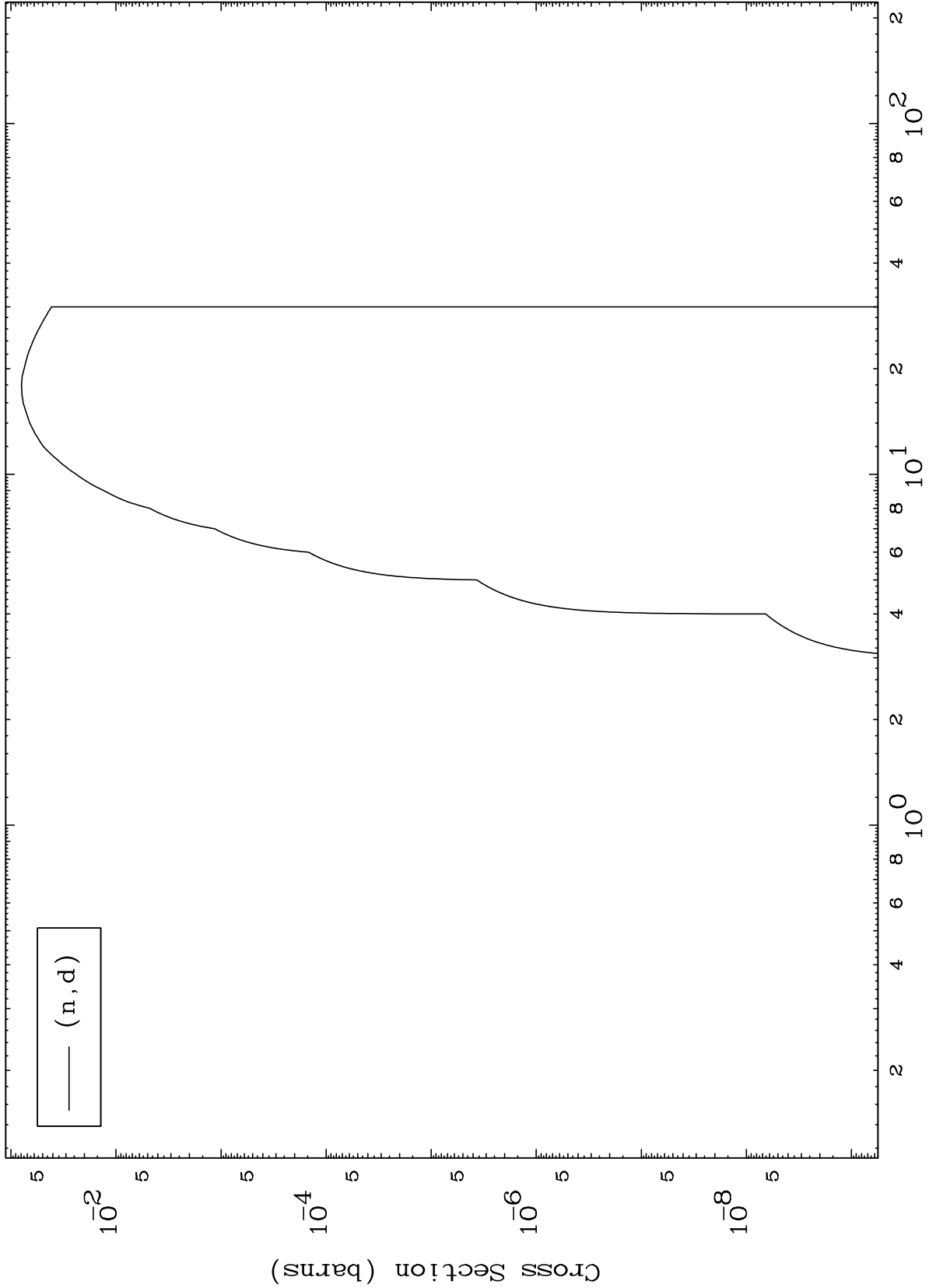


MAT 3917

(d,d) Levels

39-Y -86m

0 Kelvin Cross Sections

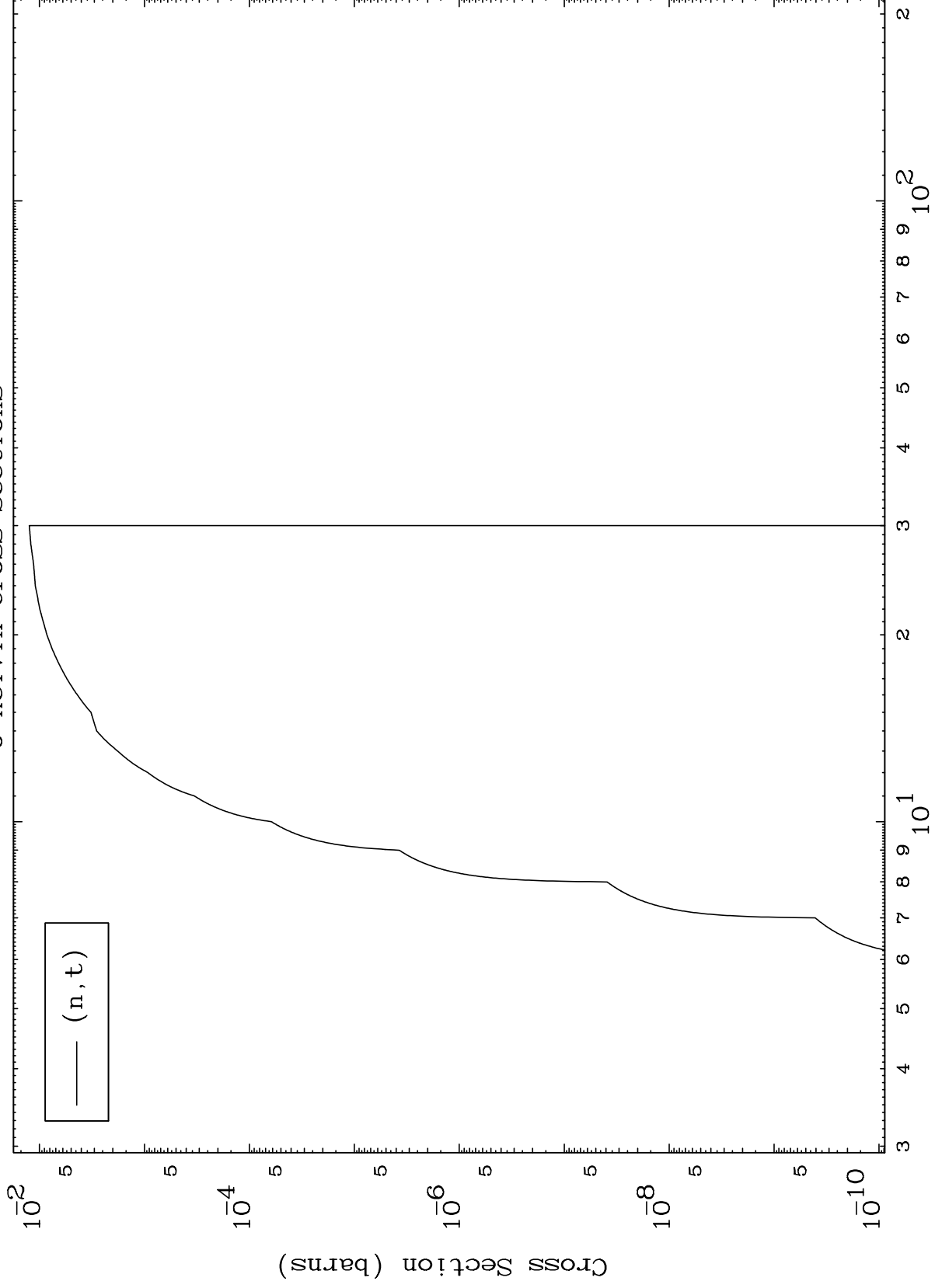


MAT 3917

(d,t) Levels

39-Y -86m

0 Kelvin Cross Sections



10

Incident Energy (MeV)

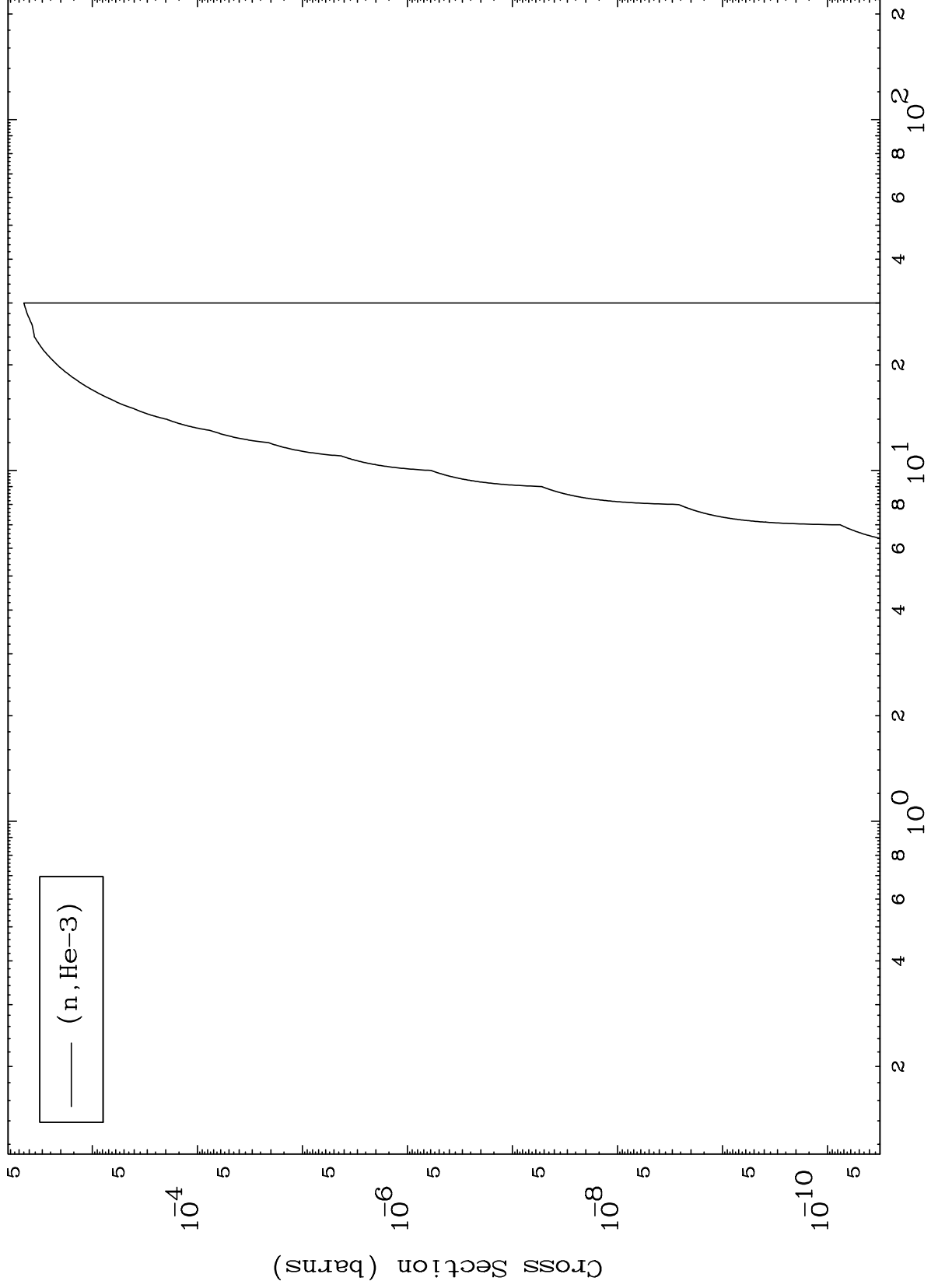
39-Y -86m

MAT 3917

(d,He3) Levels

39-Y -86m

0 Kelvin Cross Sections

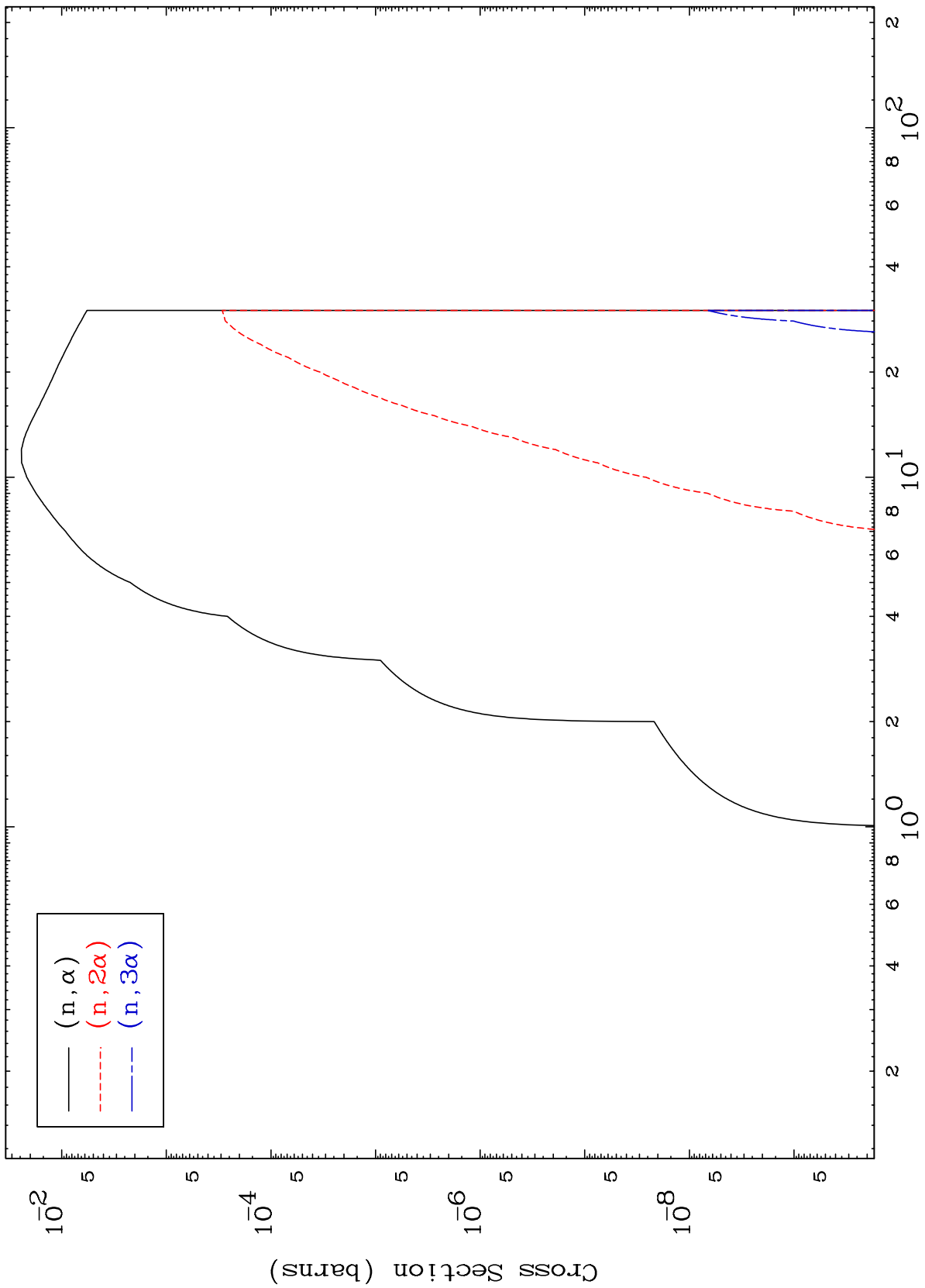


MAT 3917

(d, α) Levels

39-Y -86m

0 Kelvin Cross Sections

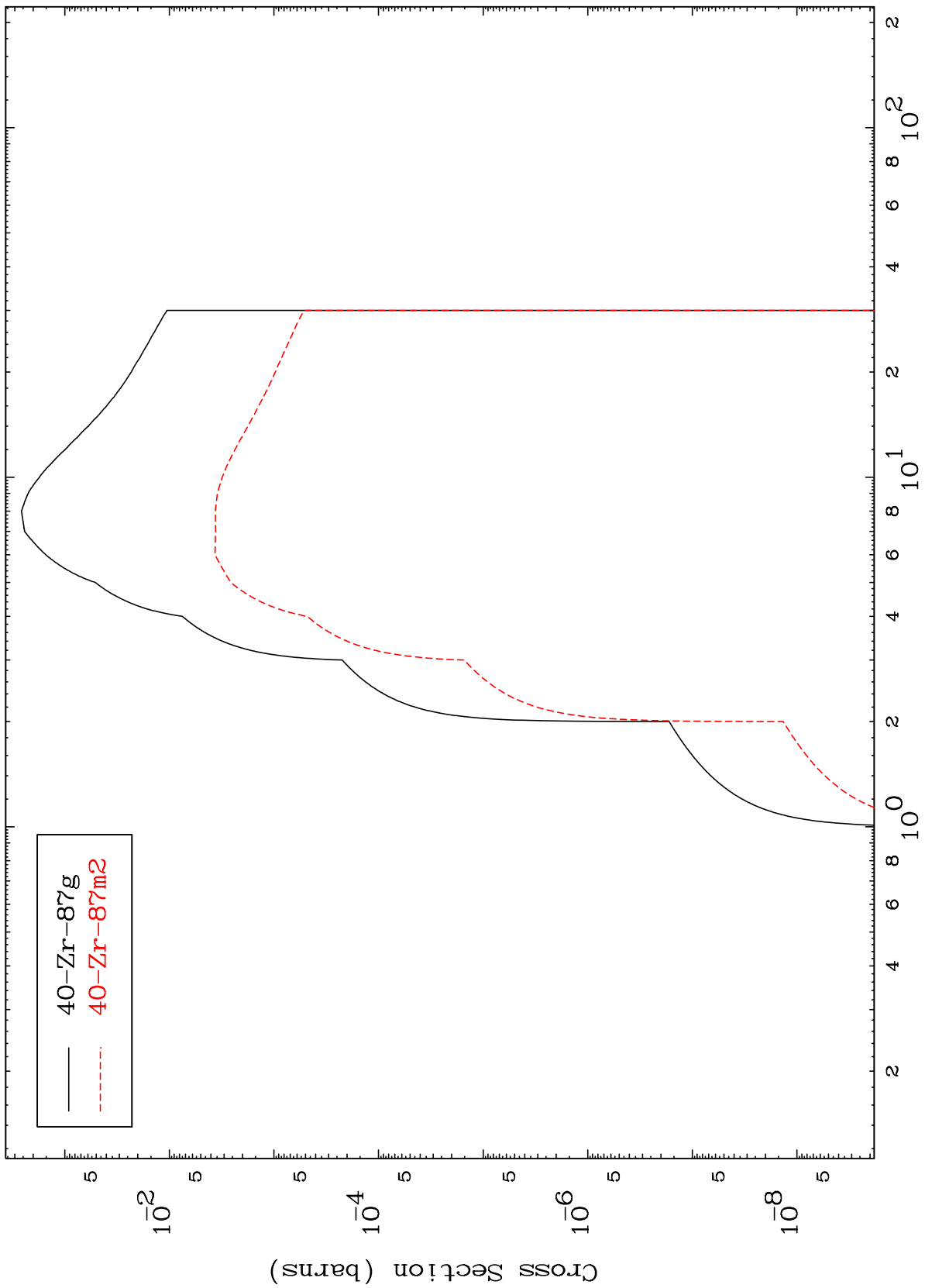


Legend:
— (n, α)
- - $(n, 2\alpha)$
- . - $(n, 3\alpha)$

MAT 3917

39-Y -86m

Inelastic
Radionuclide Production Cross Section



— 40-Zr-87g
- - - 40-Zr-87m2

39-Y -86m

Incident Energy (MeV)

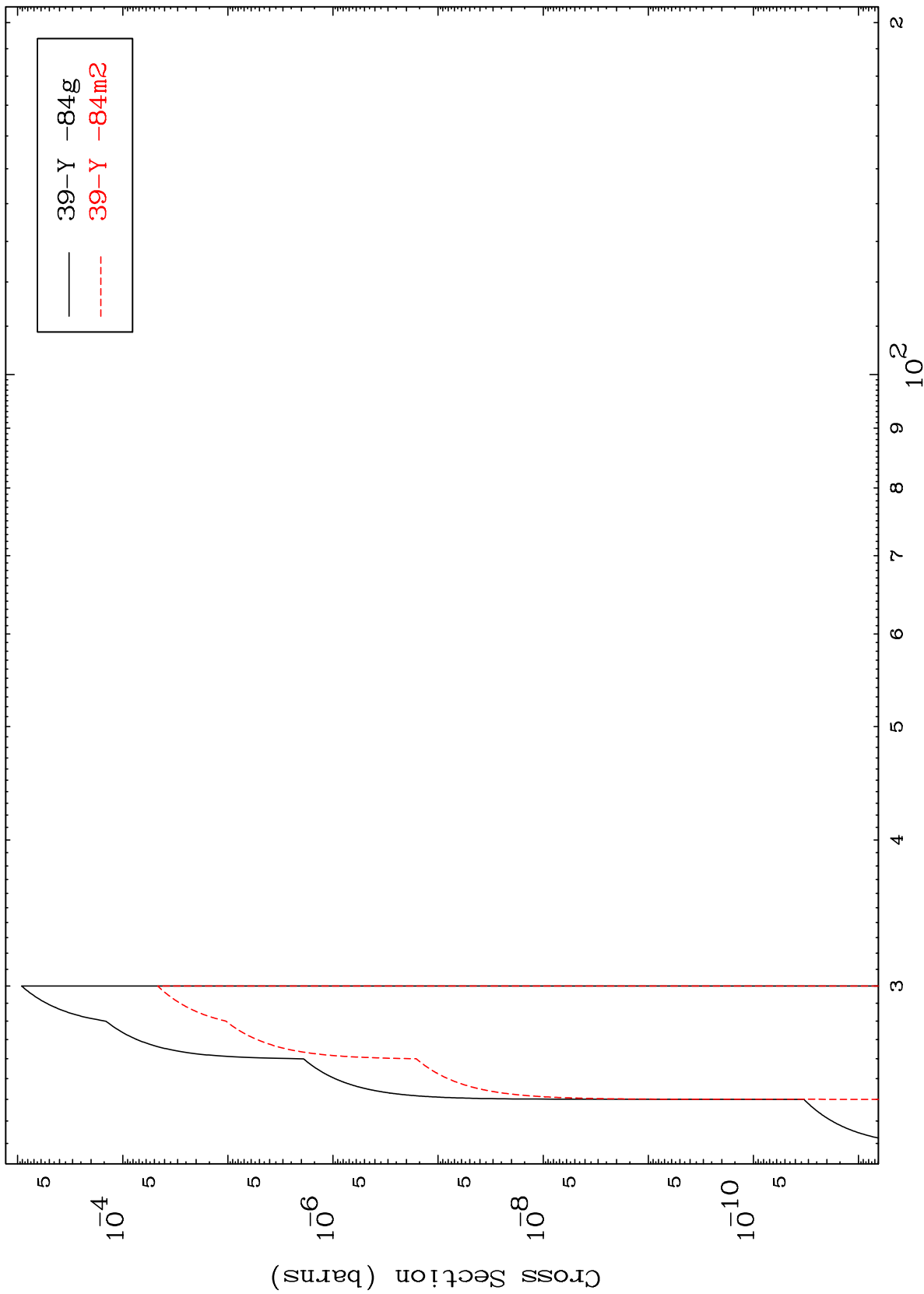
13

MAT 3917

(n,2n) d

39-Y -86m

Radionuclide Production Cross Section



39-Y -84g
39-Y -84m2

14

Incident Energy (MeV)

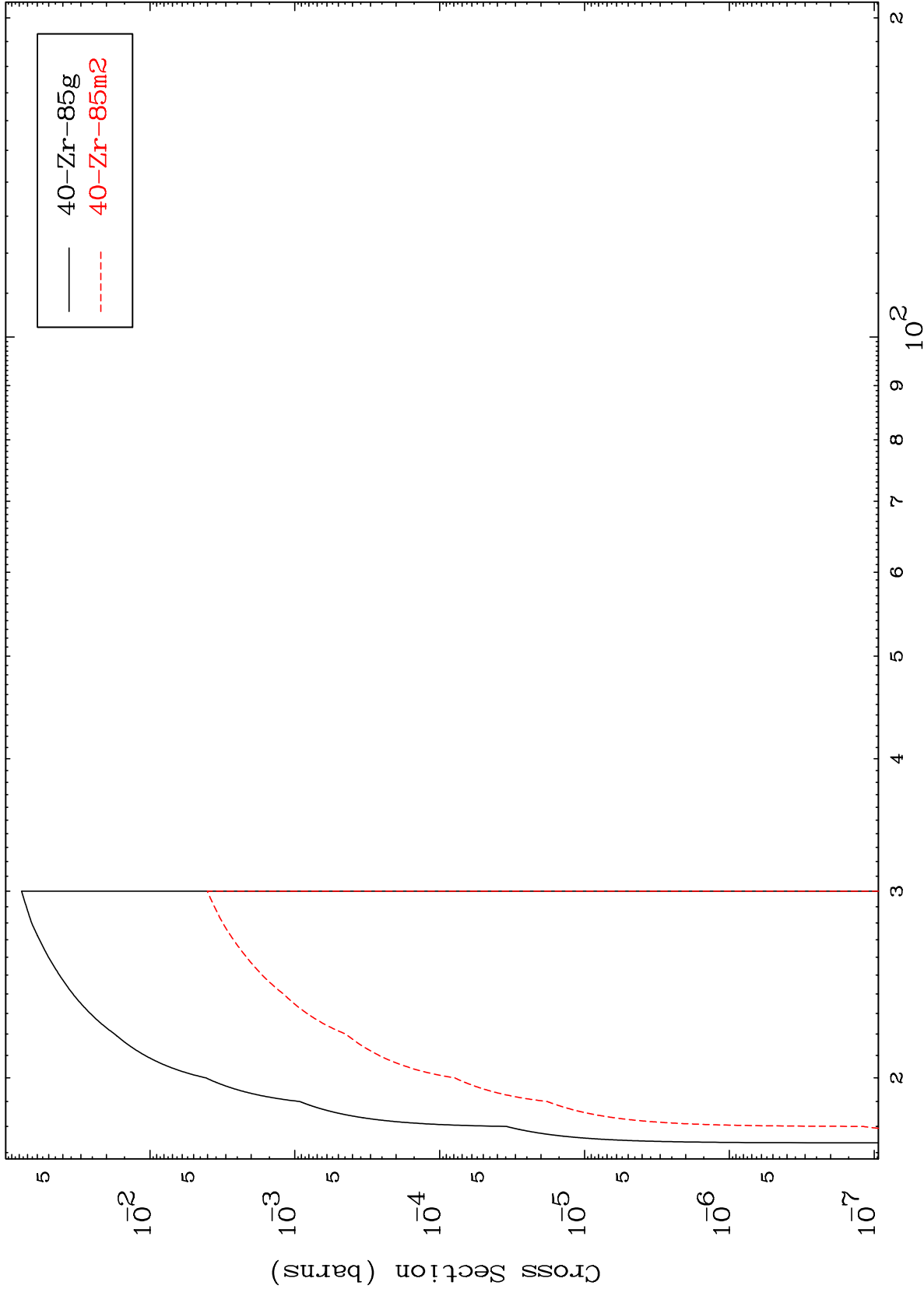
39-Y -86m

MAT 3917

(n,3n)

39-Y -86m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

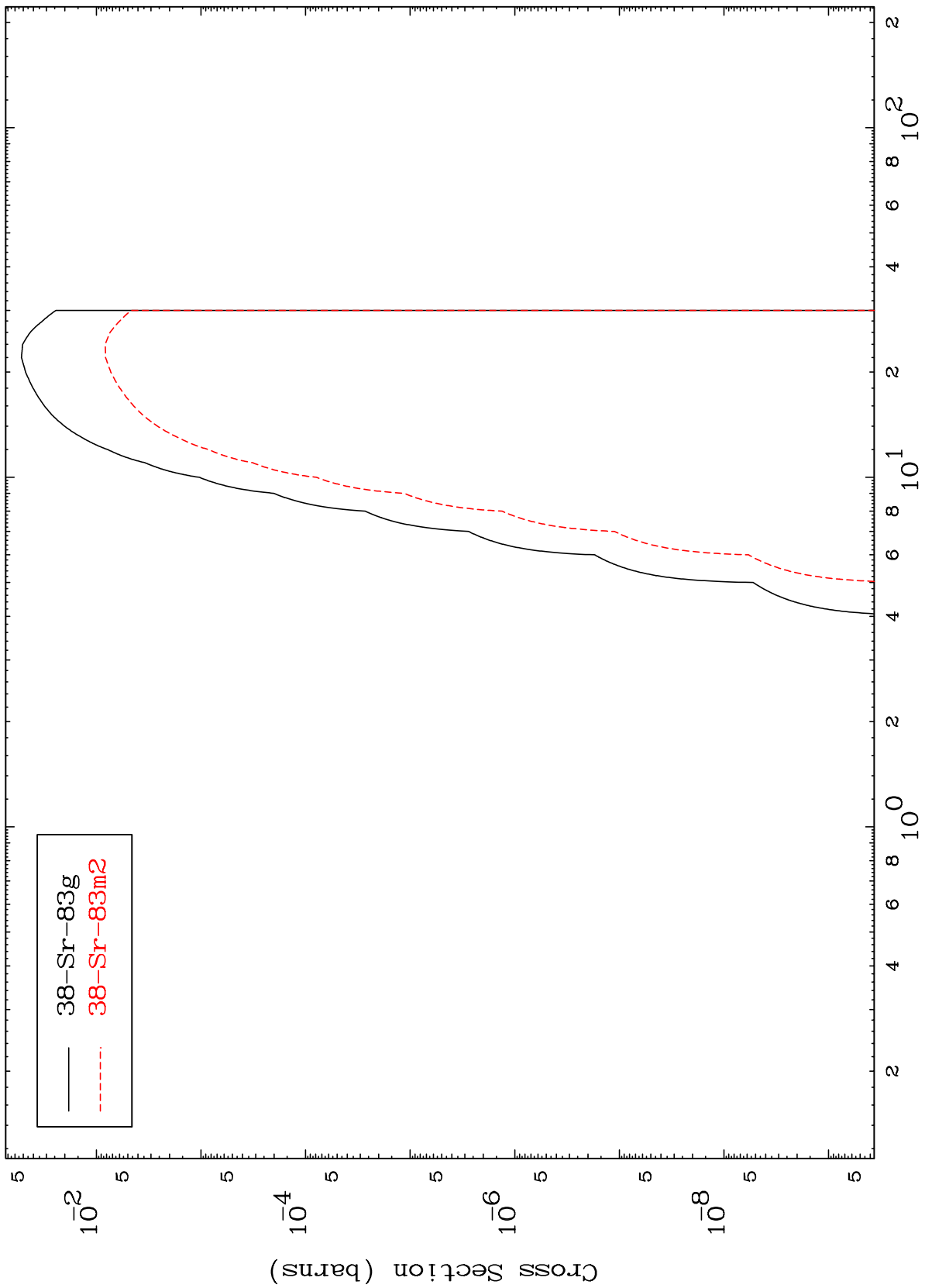
39-Y -86m

MAT 3917

$(n, n') \alpha$

39-Y -86m

Radionuclide Production Cross Section



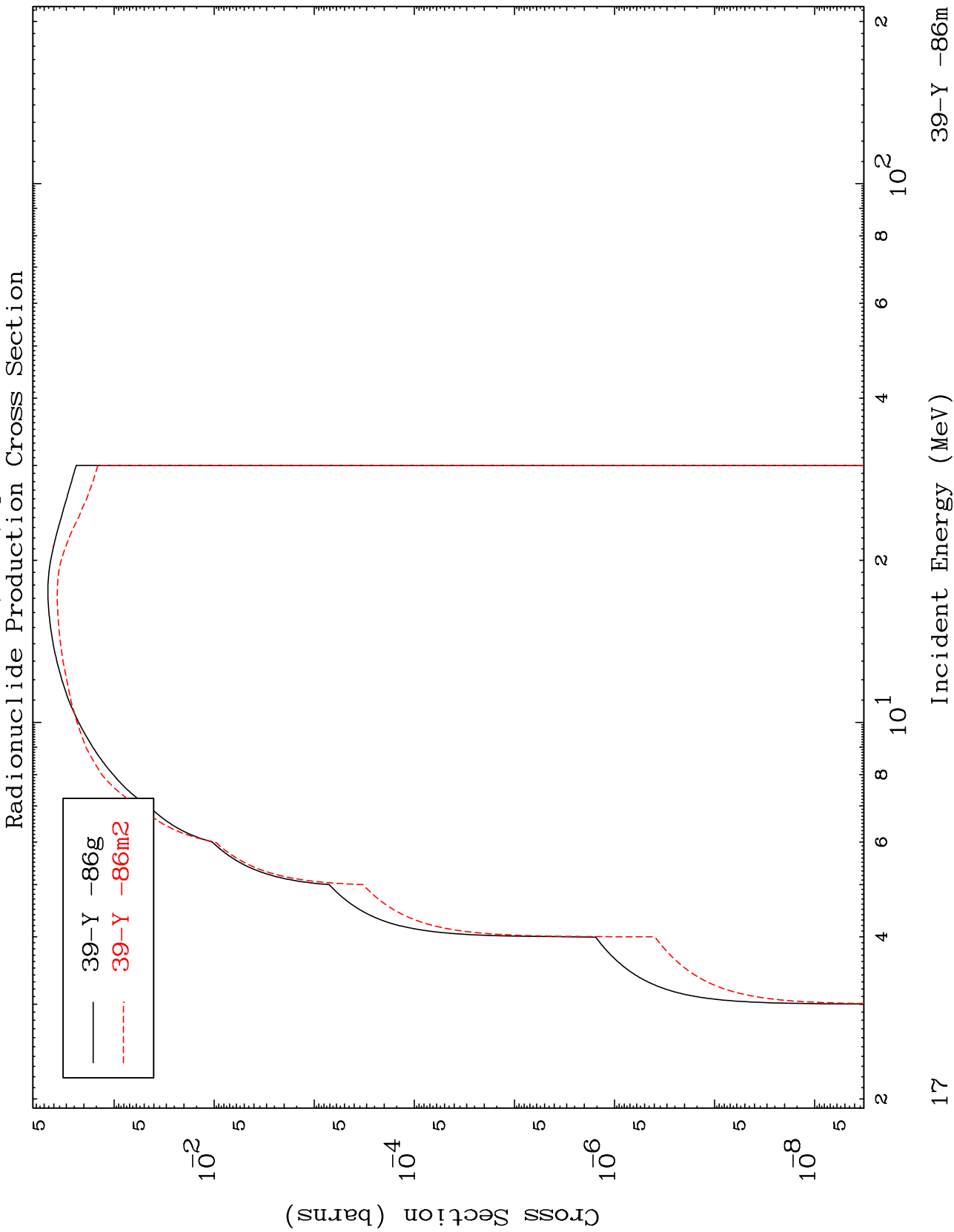
16

Incident Energy (MeV)

39-Y -86m

MAT 3917

39-Y -86m



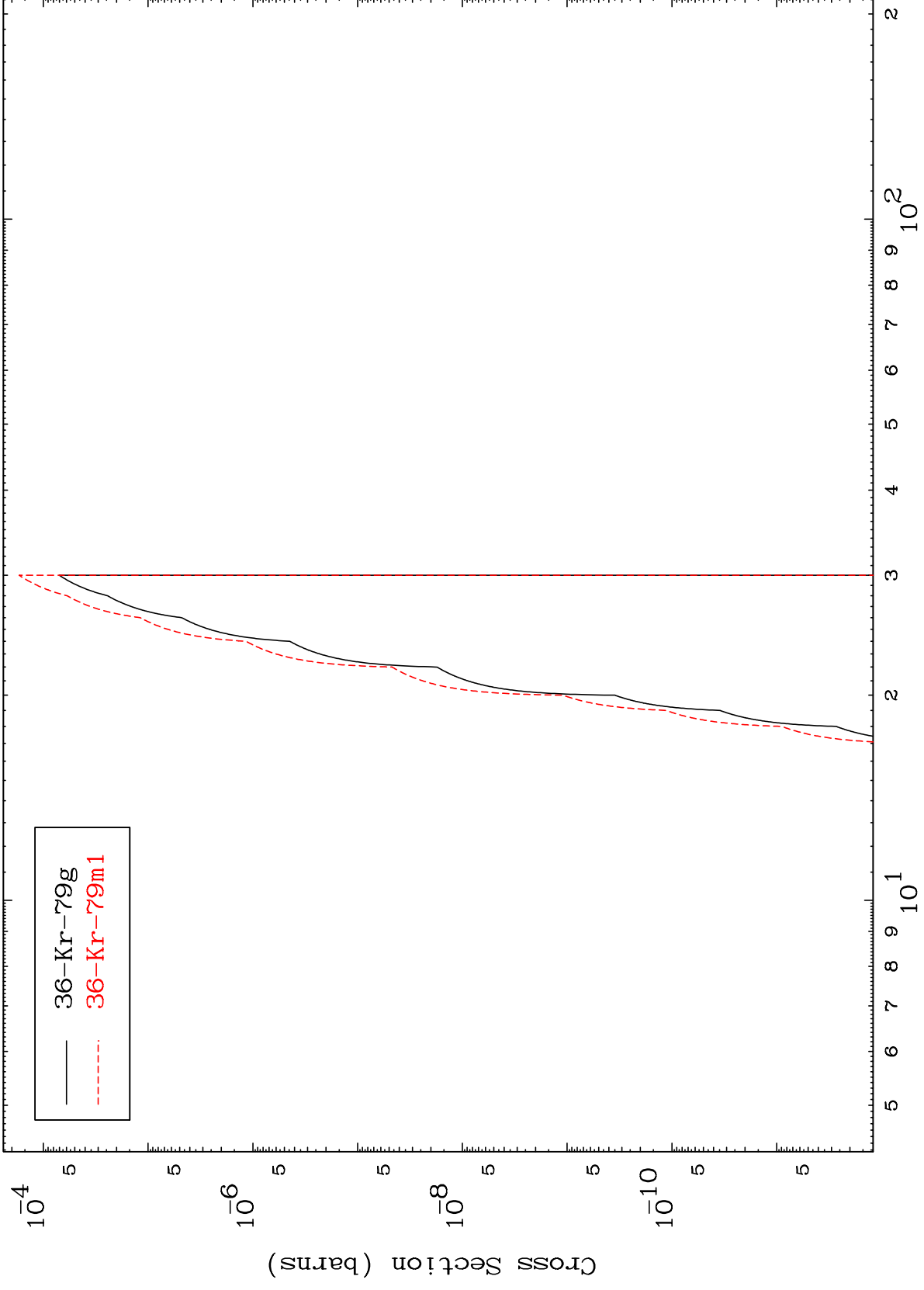
— 39-Y -86g
- - - 39-Y -86m2

MAT 3917

(n,n') 2 α

39-Y -86m

Radionuclide Production Cross Section



— 36-Kr-79g
- - - 36-Kr-79m1

18

Incident Energy (MeV)

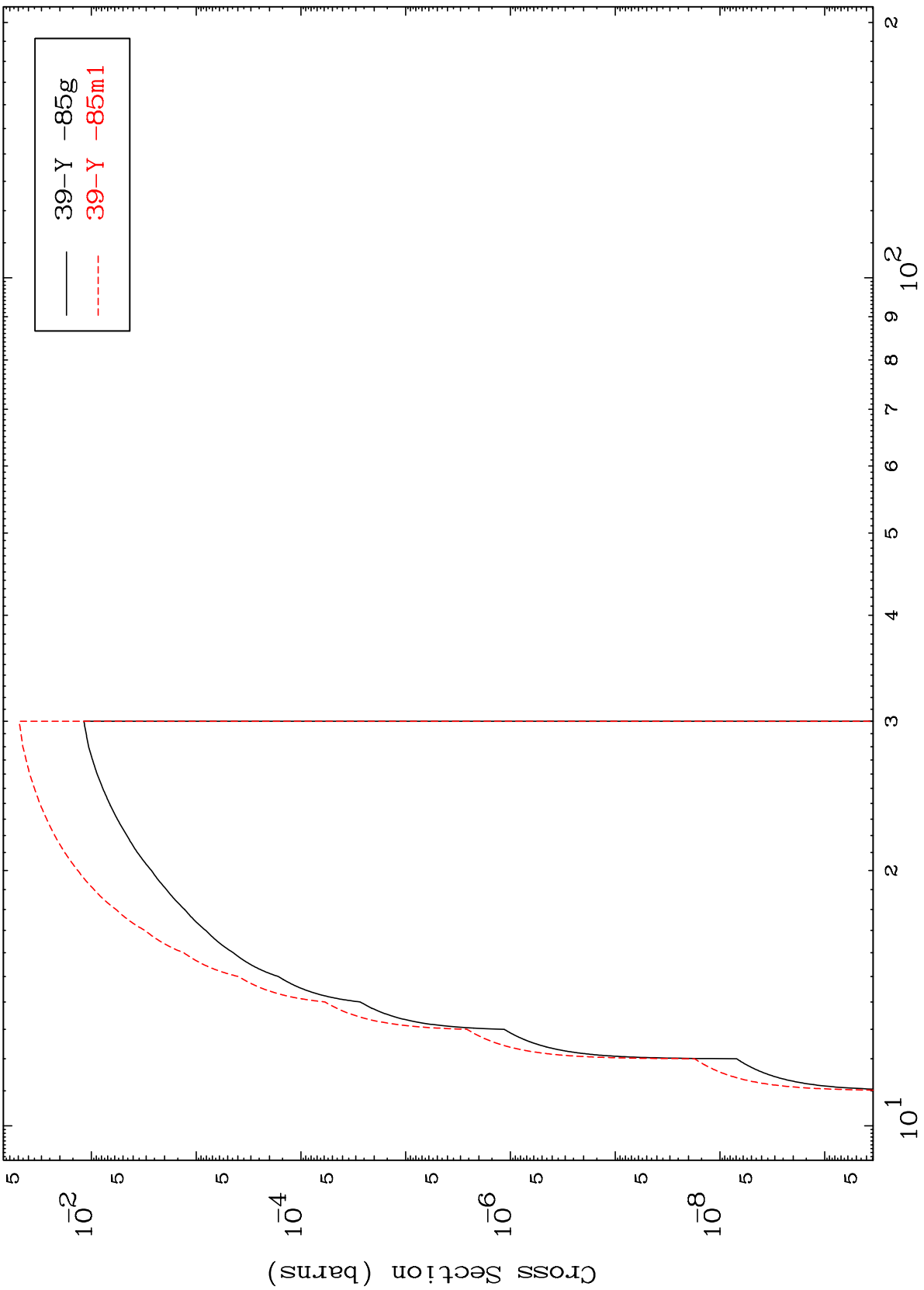
39-Y -86m

MAT 3917

(n,n') d

39-Y -86m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

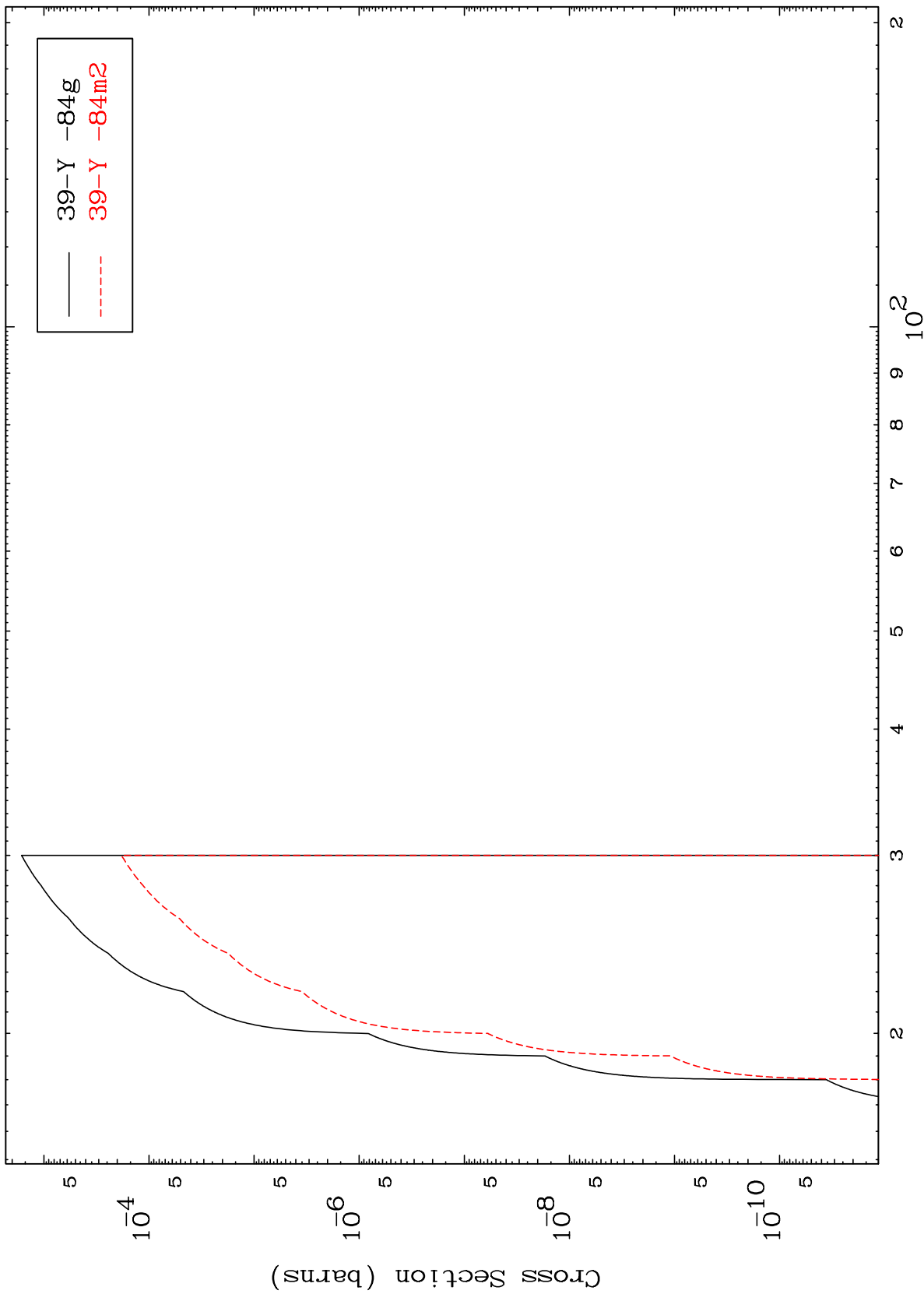
39-Y -86m

MAT 3917

(n,n') t

39-Y -86m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

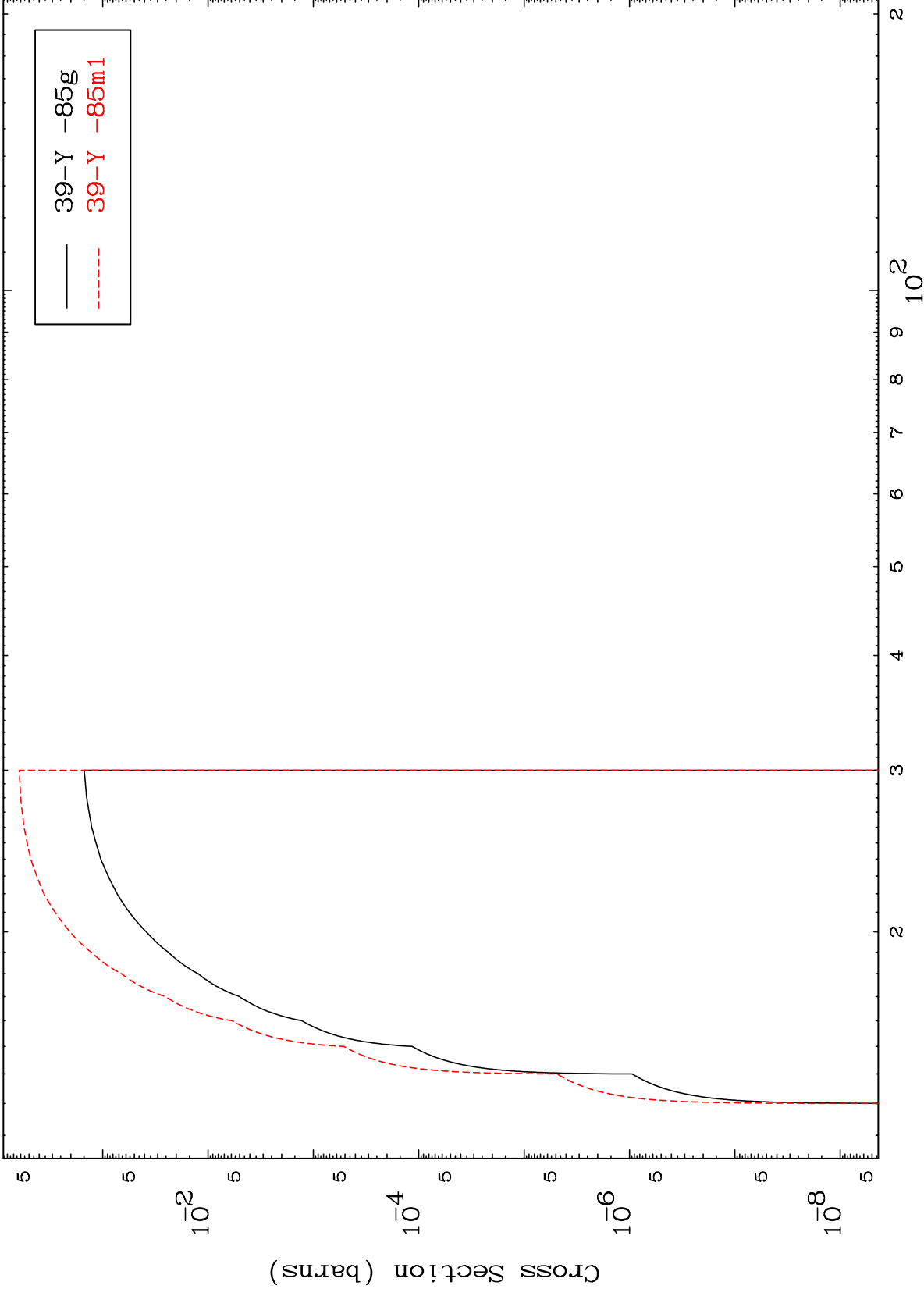
39-Y -86m

MAT 3917

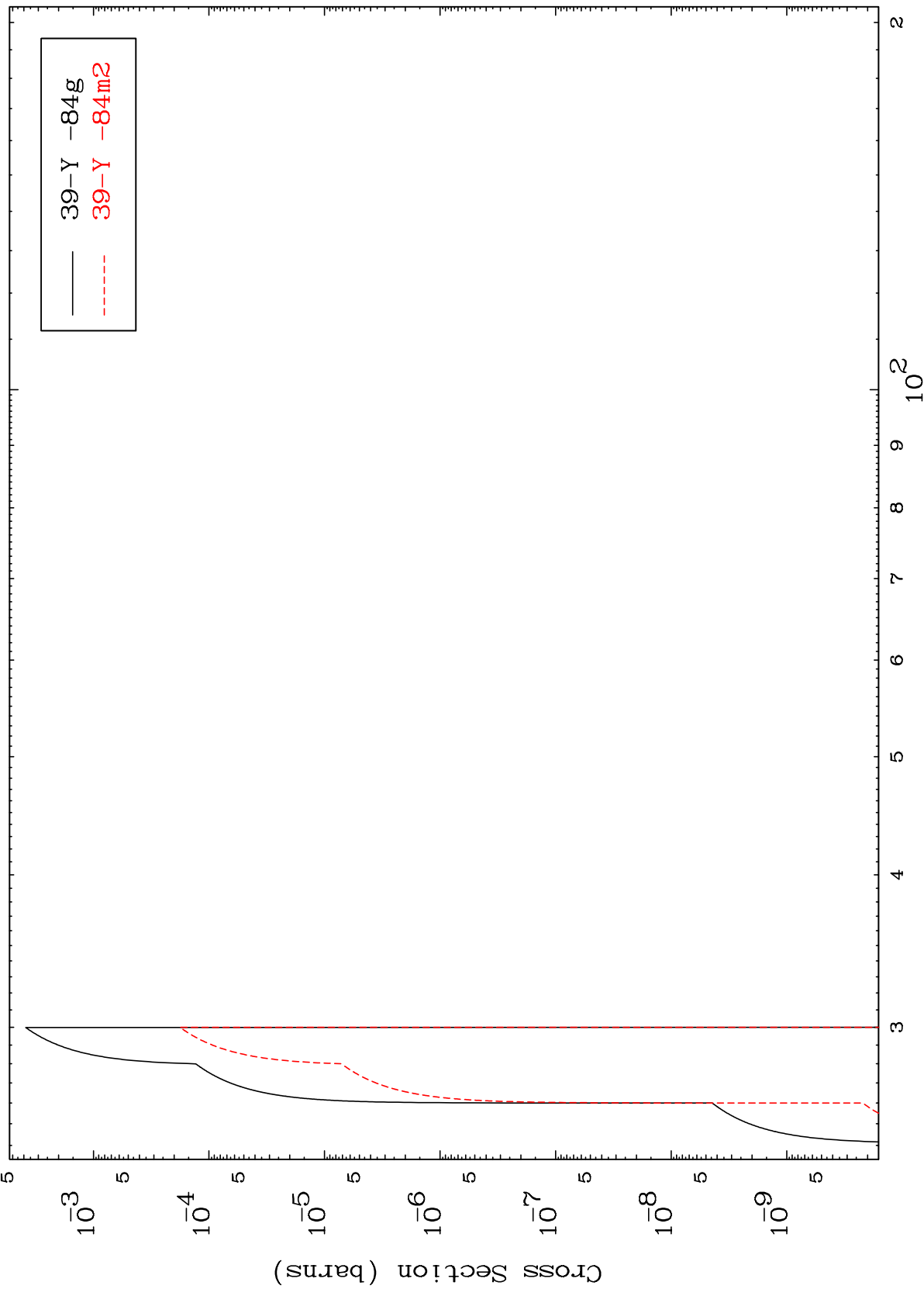
(n,2n) p

39-Y -86m

Radionuclide Production Cross Section



Radionuclide Production Cross Section



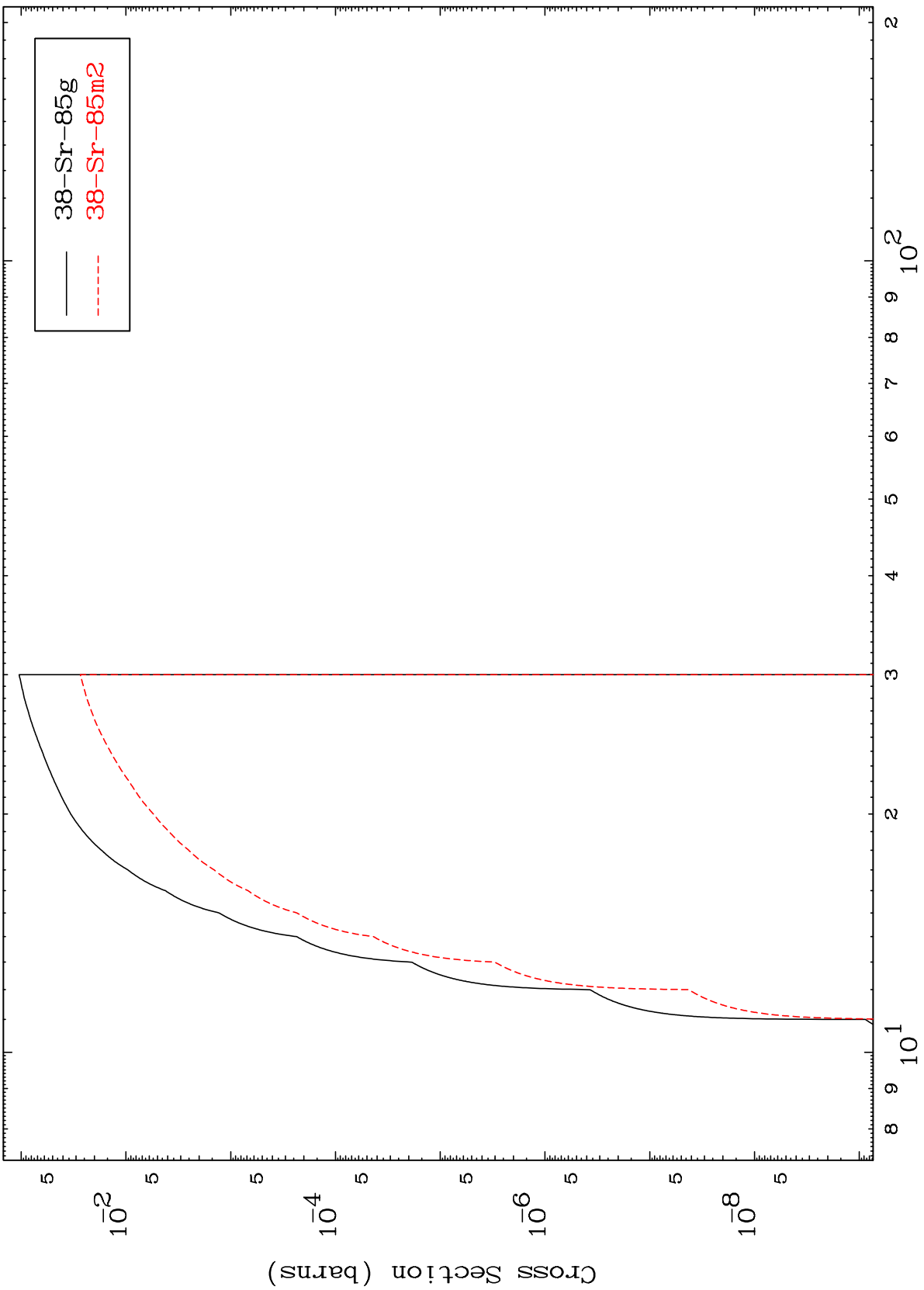
39-Y -84g
39-Y -84m2

MAT 3917

(n,2n) p

39-Y -86m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

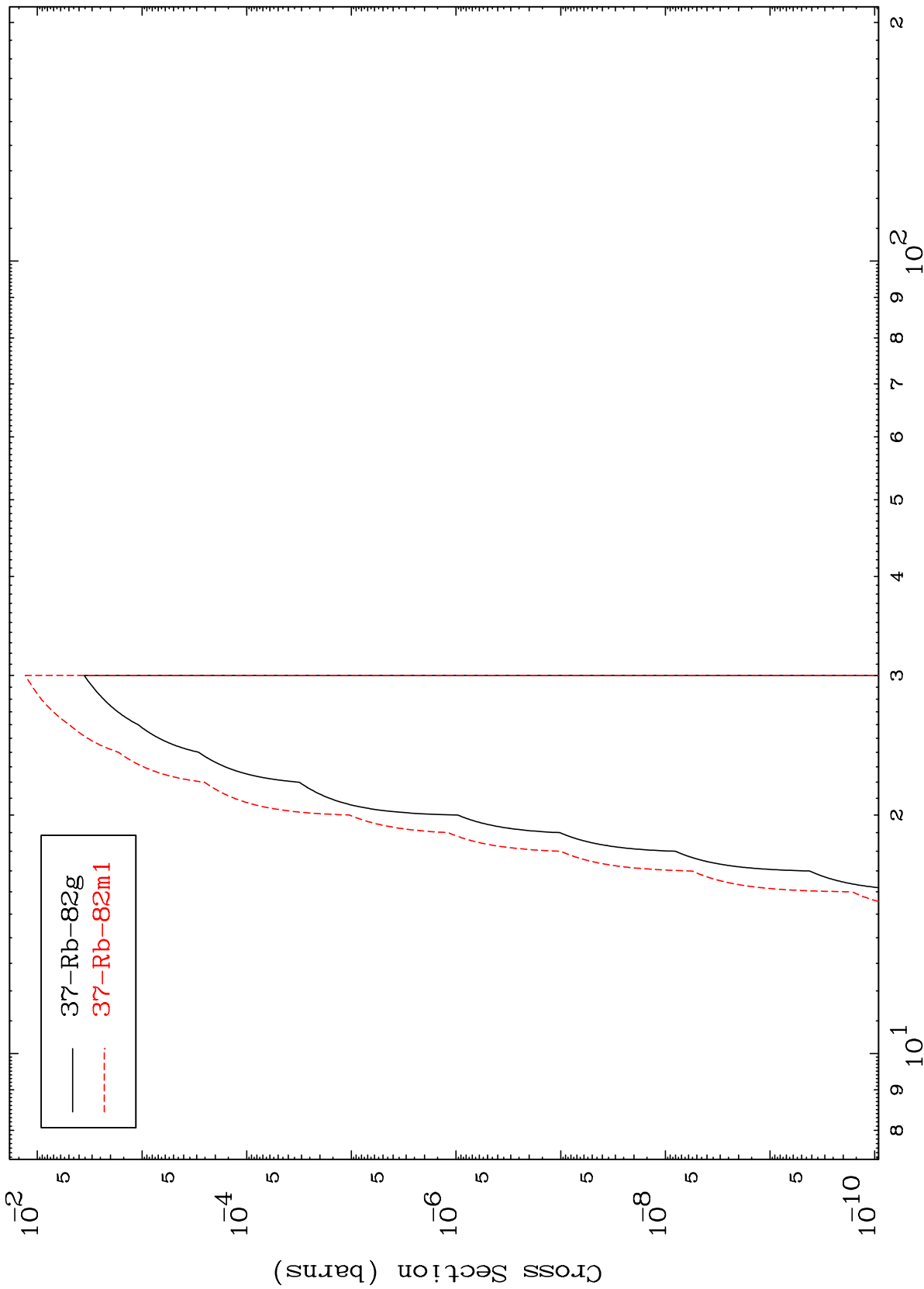
39-Y -86m

MAT 3917

(n,n') p α

39-Y -86m

Radionuclide Production Cross Section



24

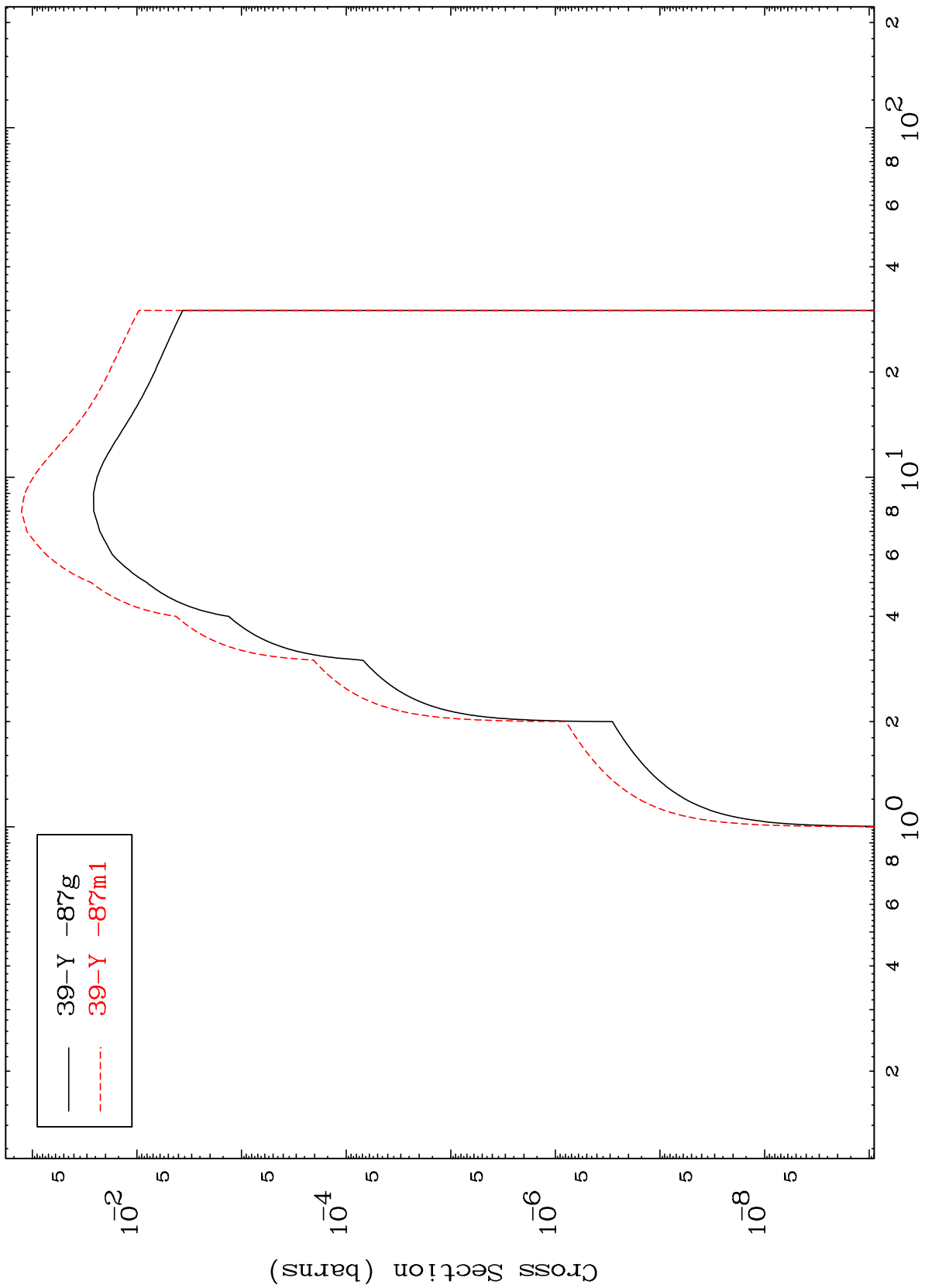
Incident Energy (MeV)

39-Y -86m

MAT 3917

39-Y -86m

(n,p)
Radionuclide Production Cross Section



39-Y -86m

Incident Energy (MeV)

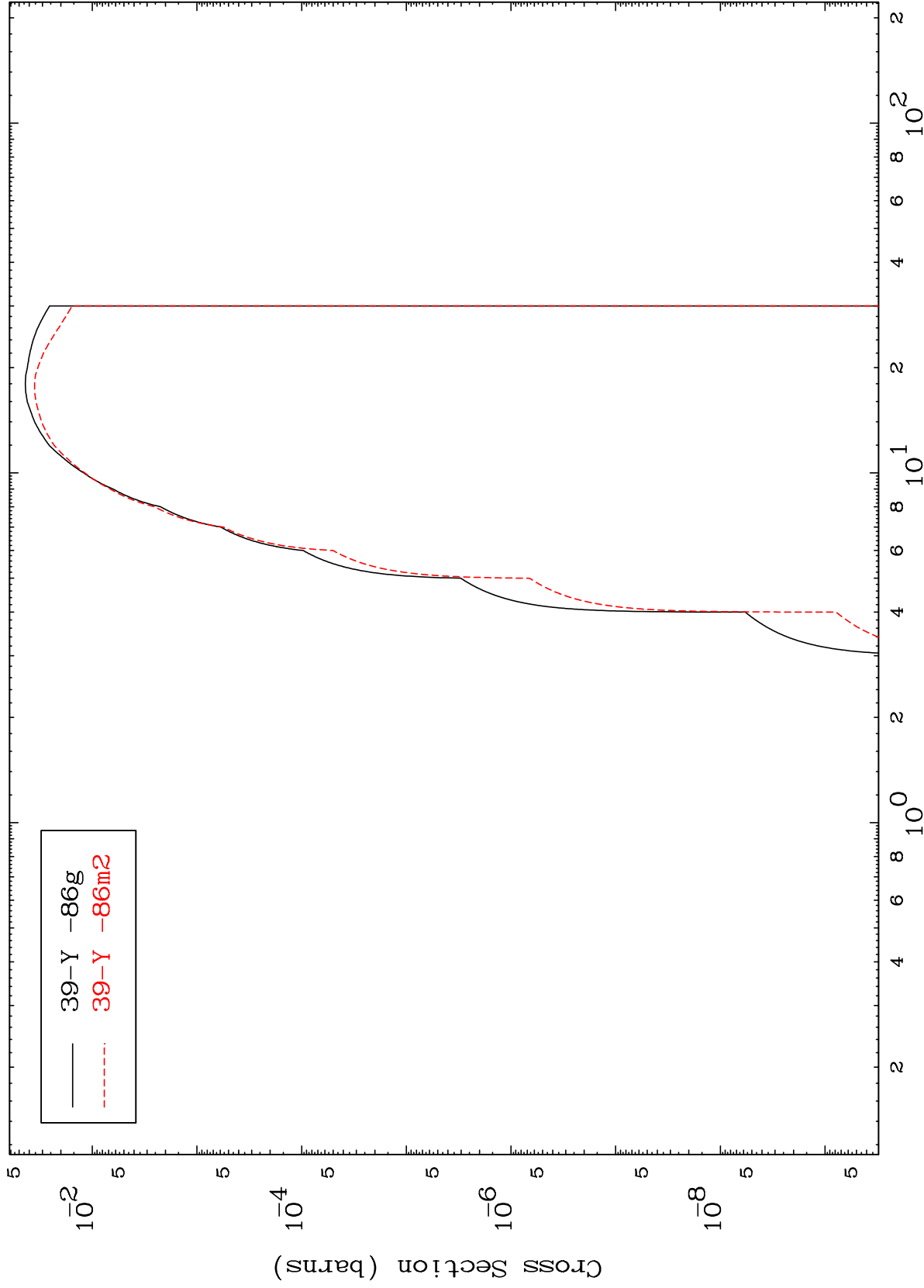
25

MAT 3917

(n,d)

39-Y -86m

Radionuclide Production Cross Section



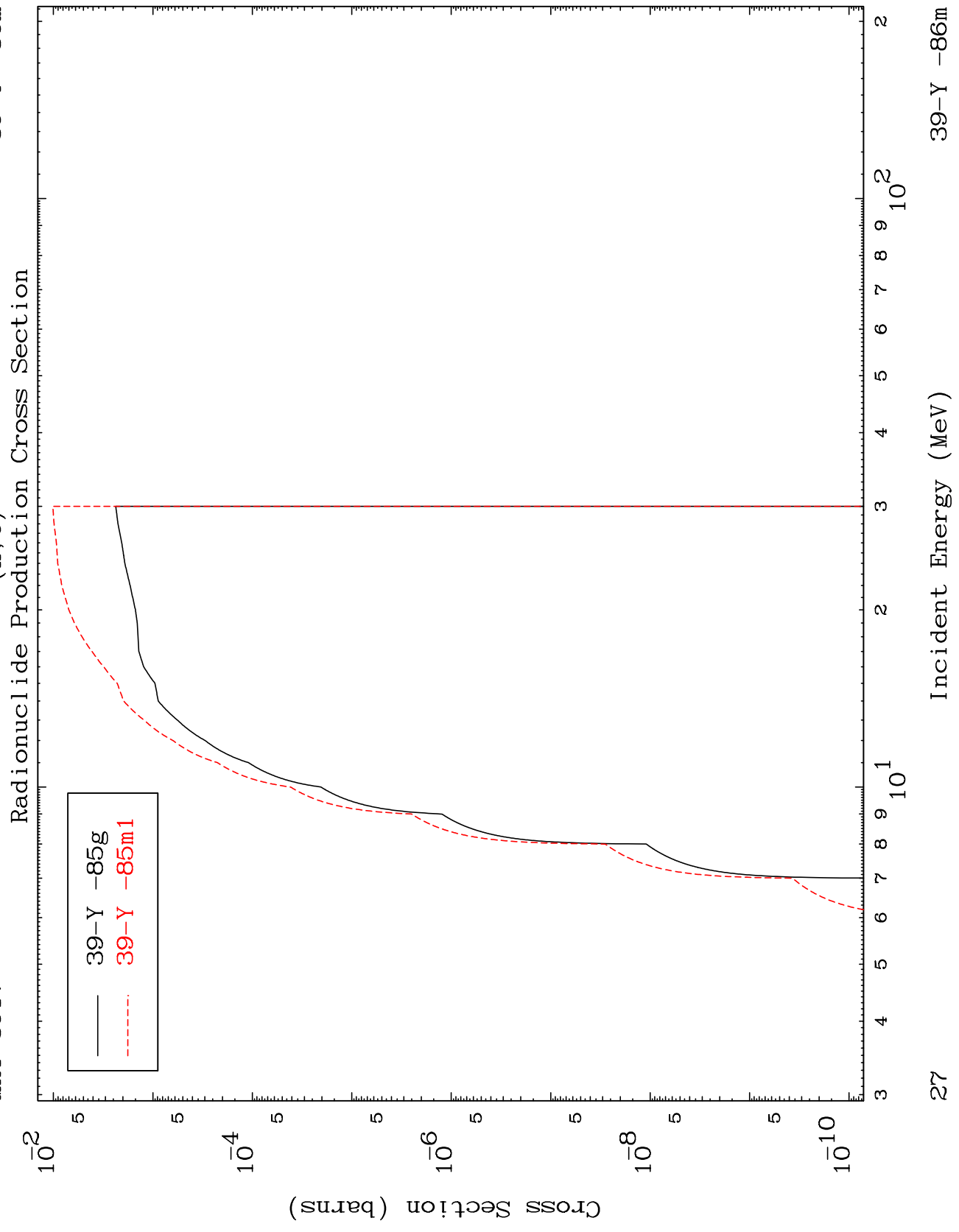
26

Incident Energy (MeV)

39-Y -86m

MAT 3917

39-Y -86m



27

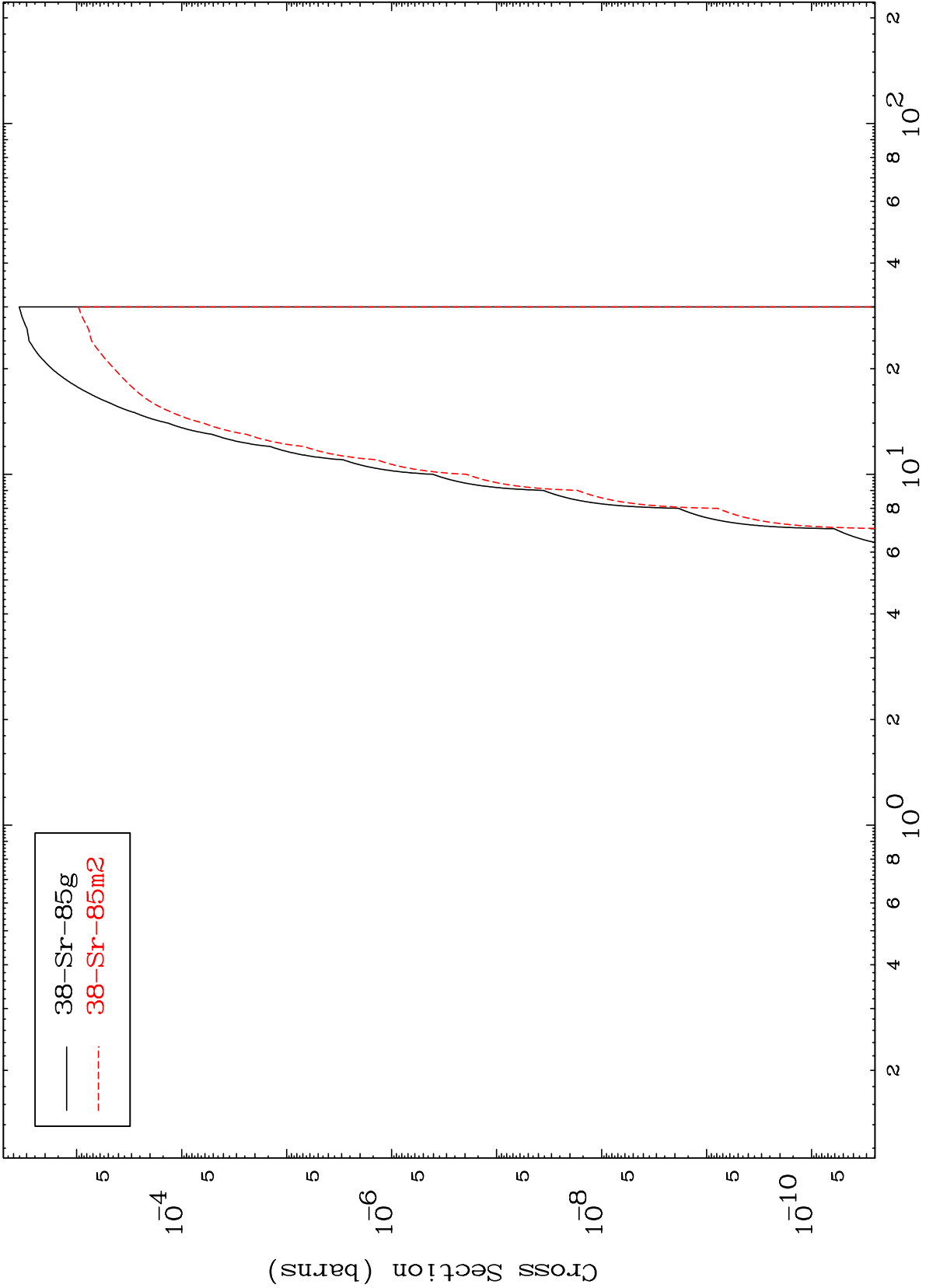
39-Y -86m

MAT 3917

(n,He-3)

39-Y -86m

Radionuclide Production Cross Section



— 38-Sr-85g
- - - 38-Sr-85m2

28

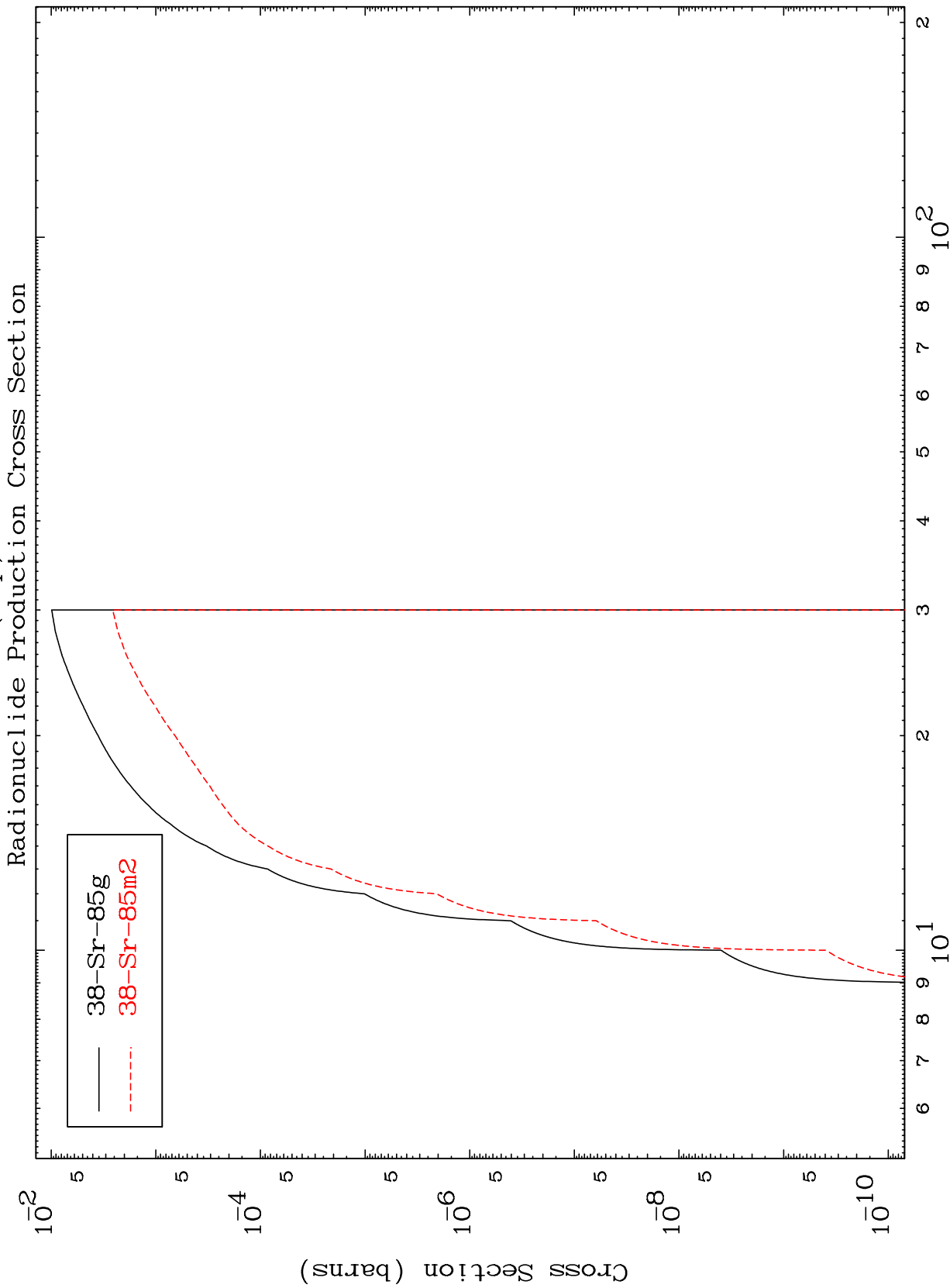
Incident Energy (MeV)

39-Y -86m

MAT 3917

(n,p) d

39-Y -86m



29

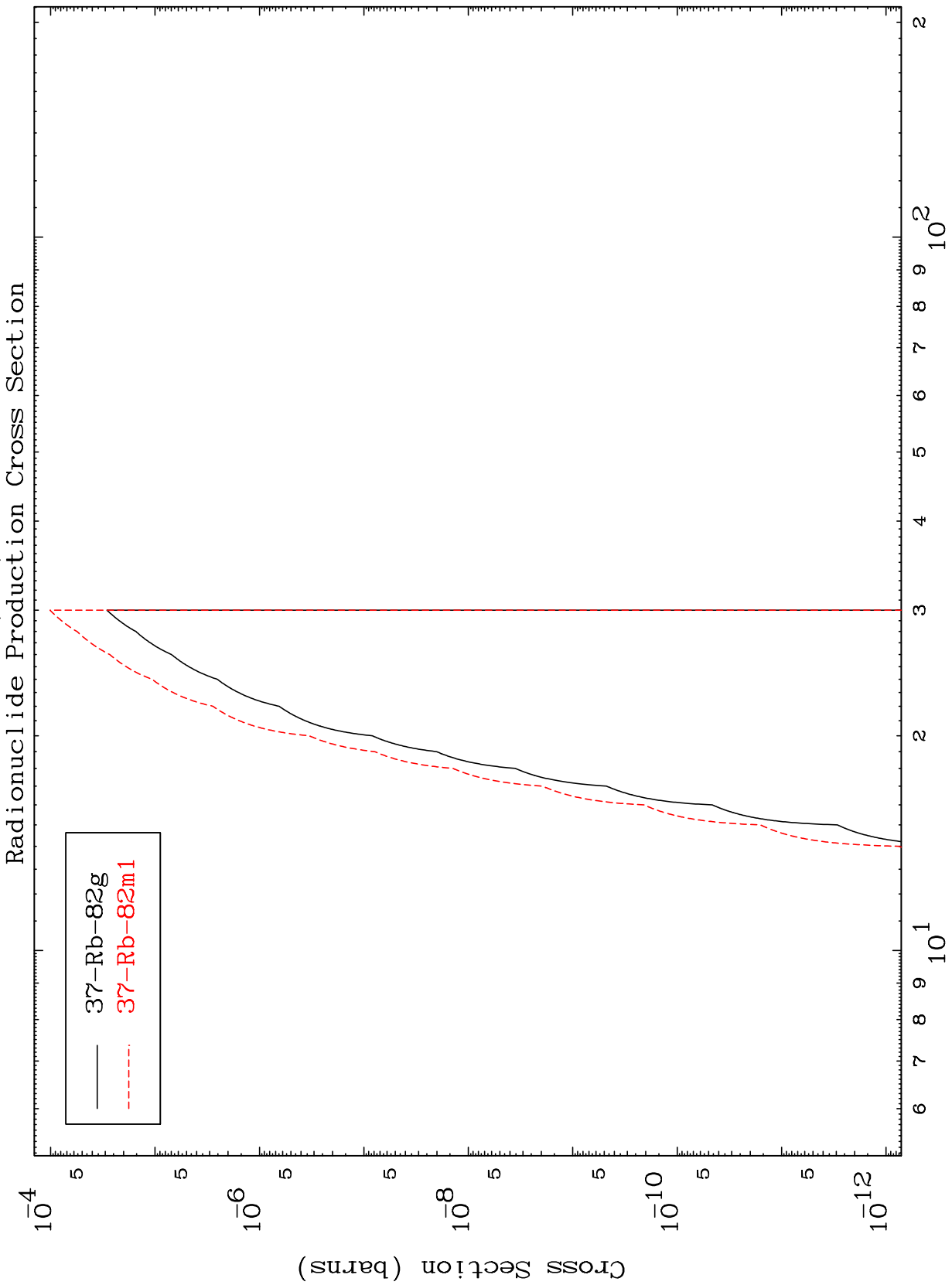
Incident Energy (MeV)

39-Y -86m

MAT 3917

(n,d) α

39-Y -86m



30

Incident Energy (MeV)

39-Y -86m