

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

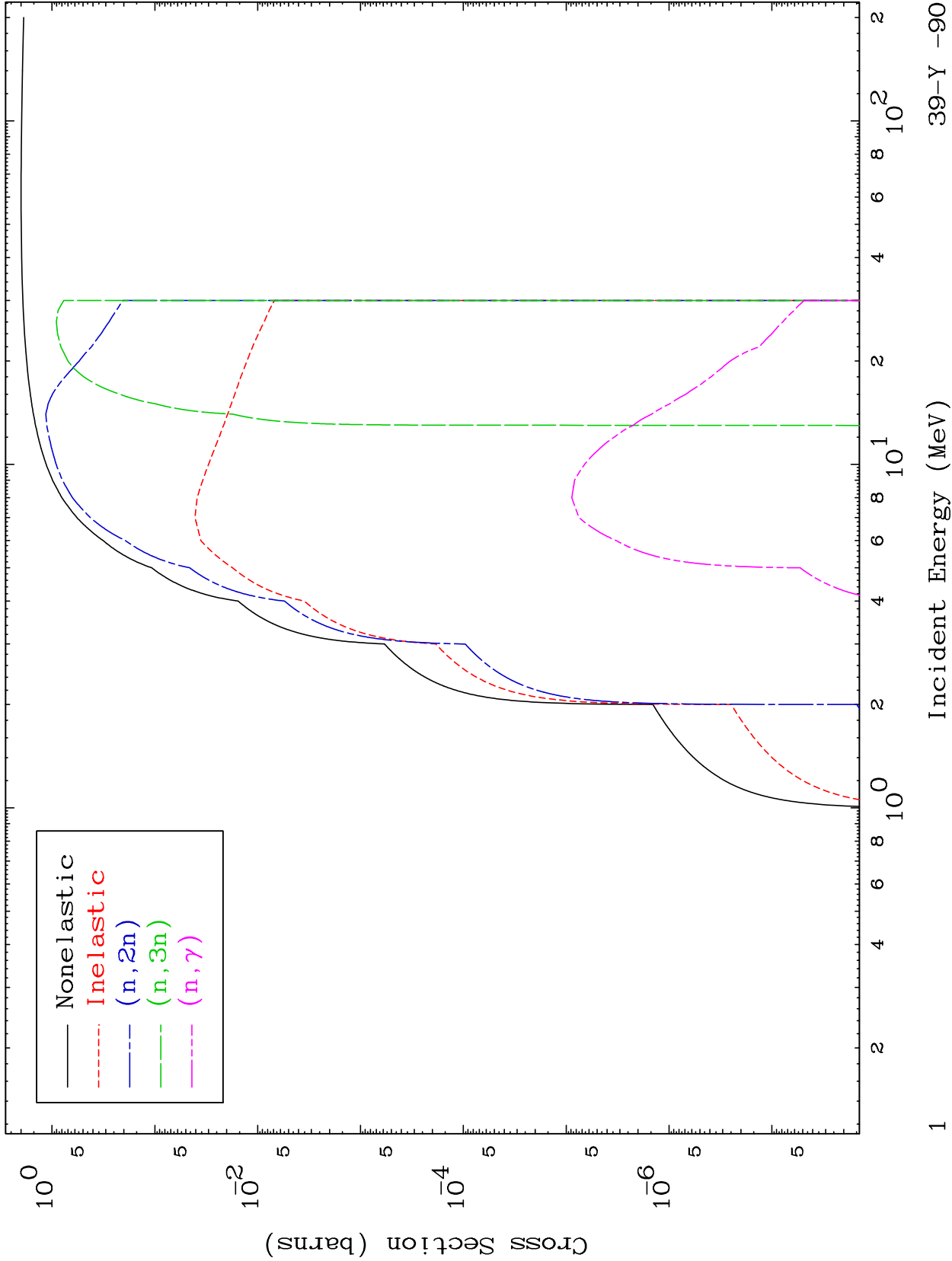
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Web:redcullen1.net/HOMEPAGE.NEW

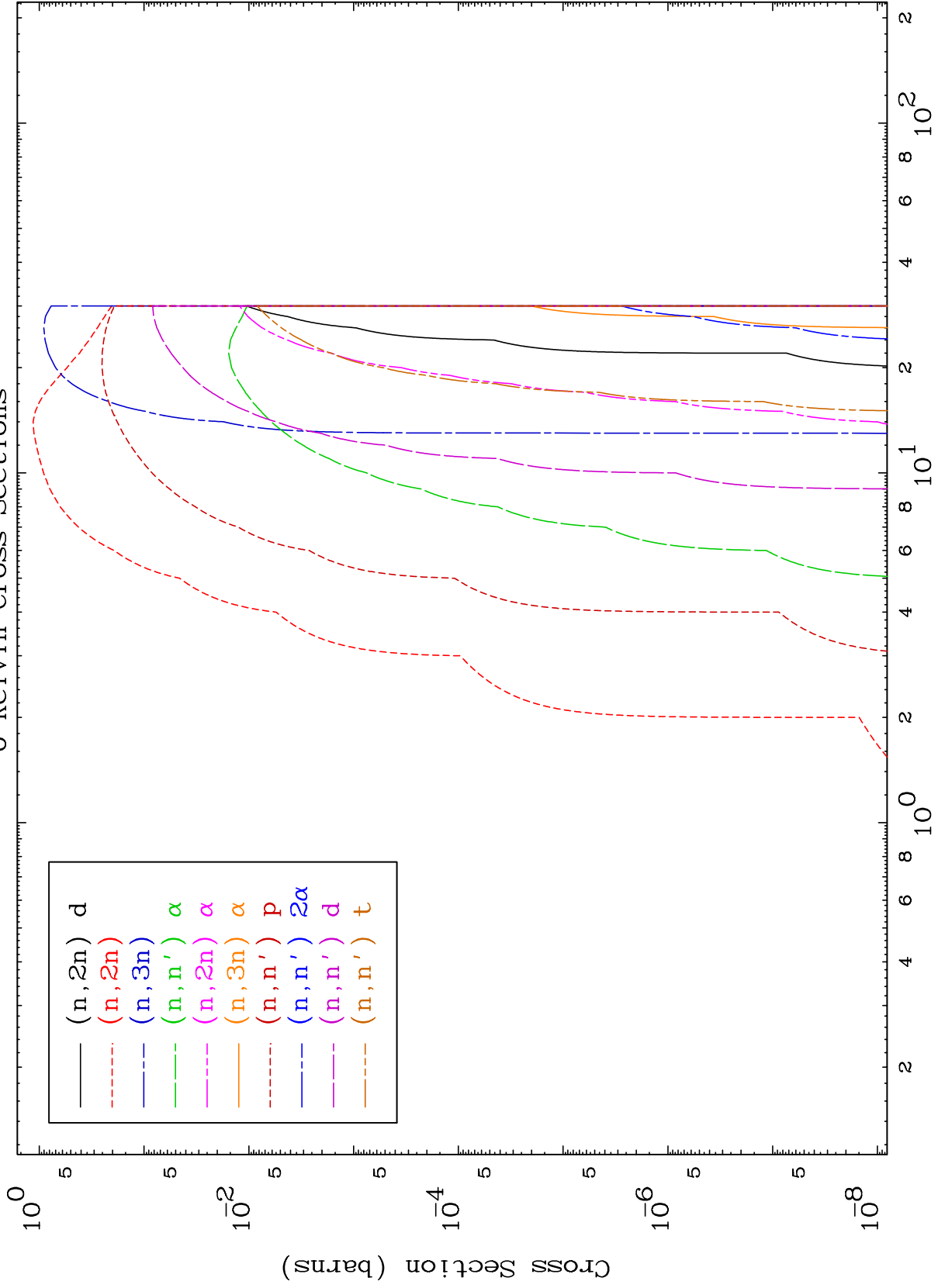
Press Mouse Button to Start

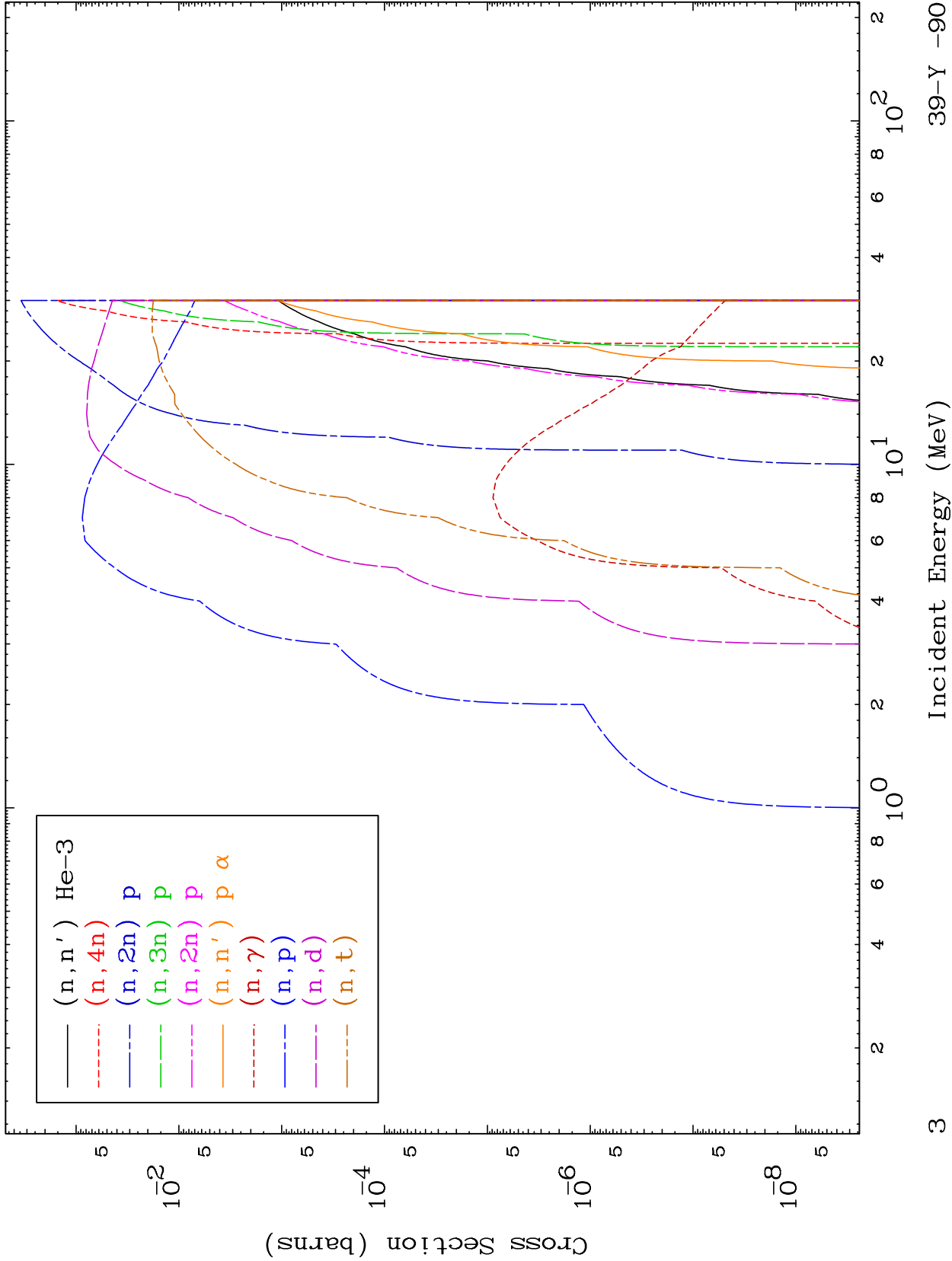


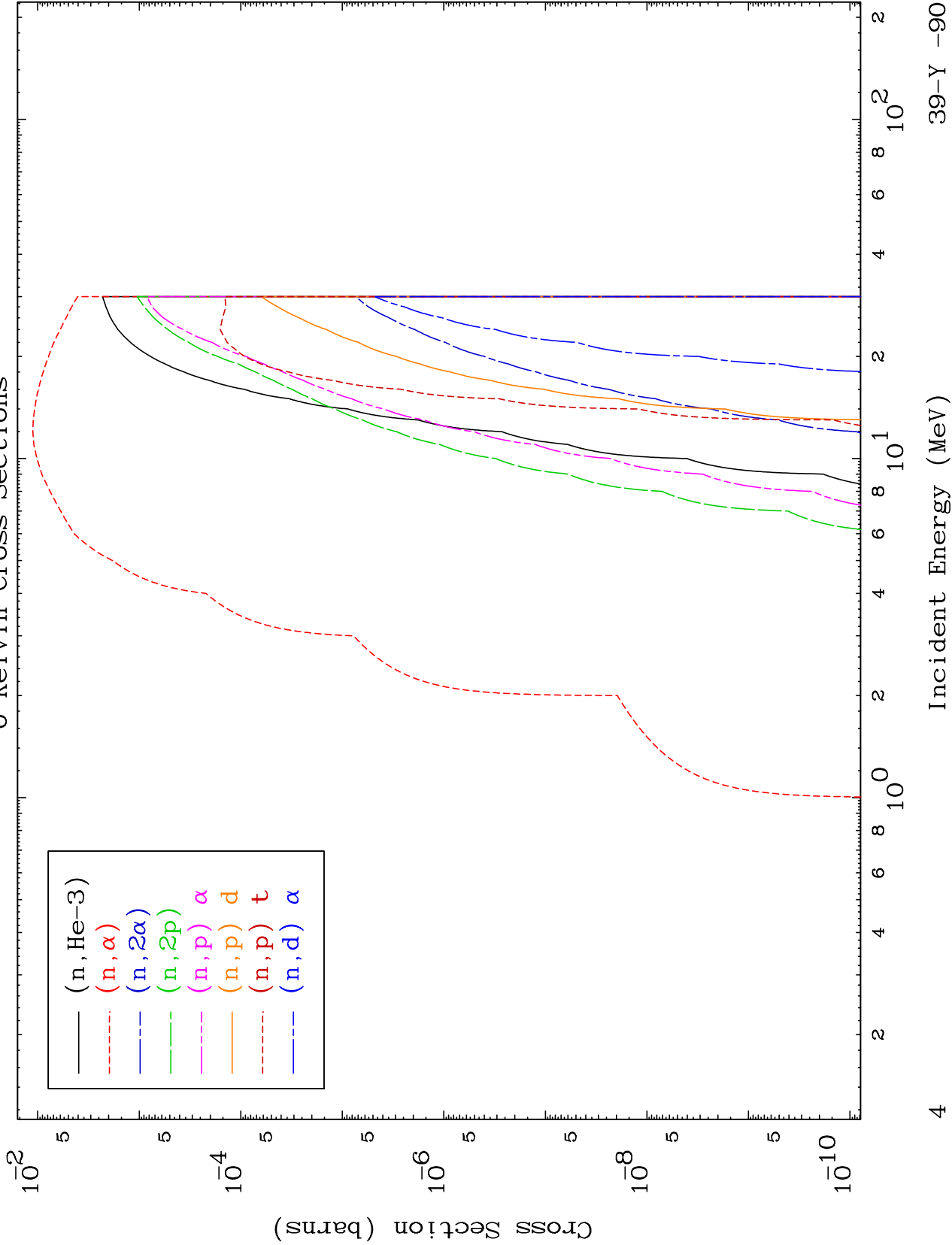
MAT 3928

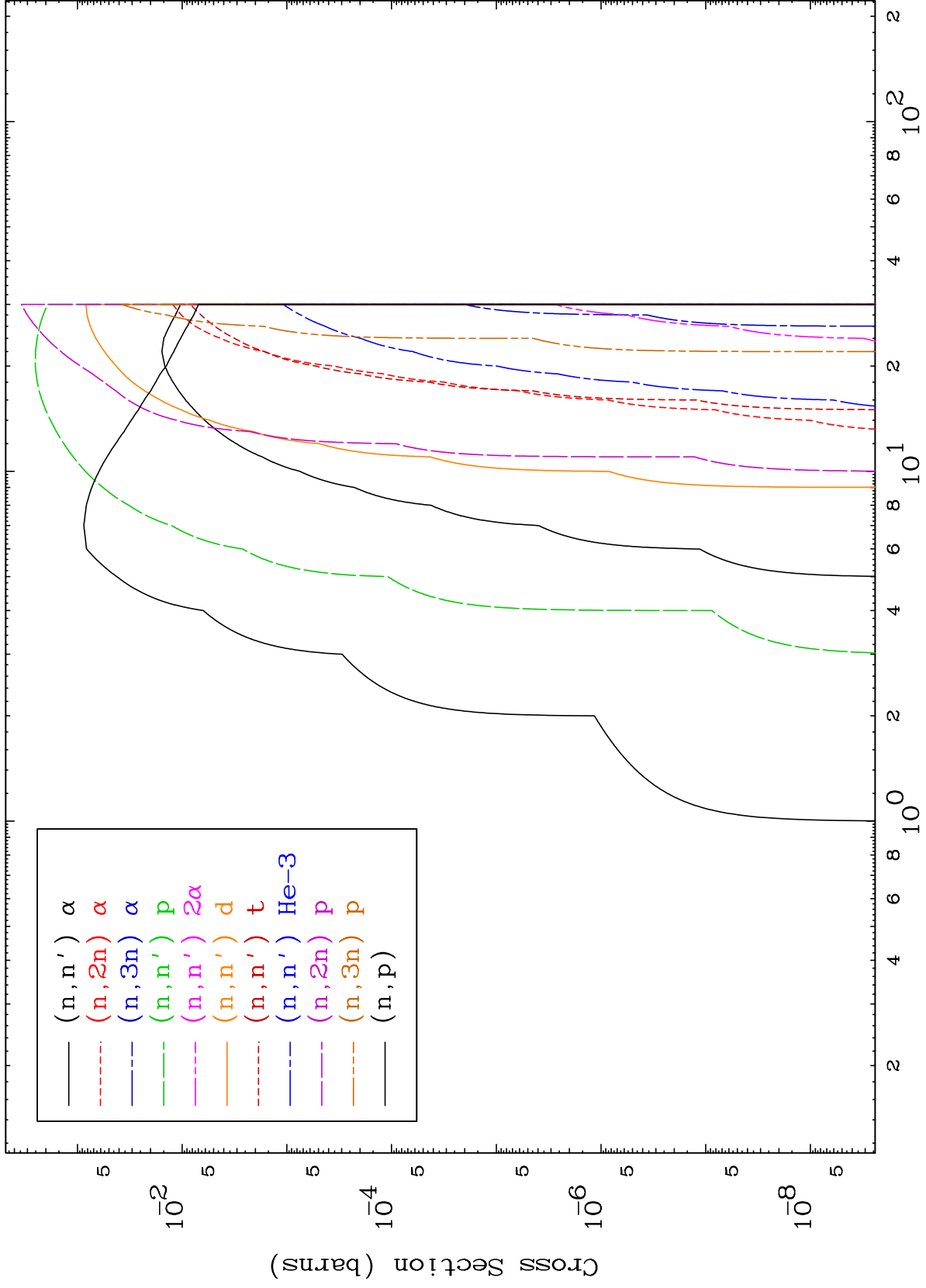
Deuteron Neutron Absorption
0 Kelvin Cross Sections

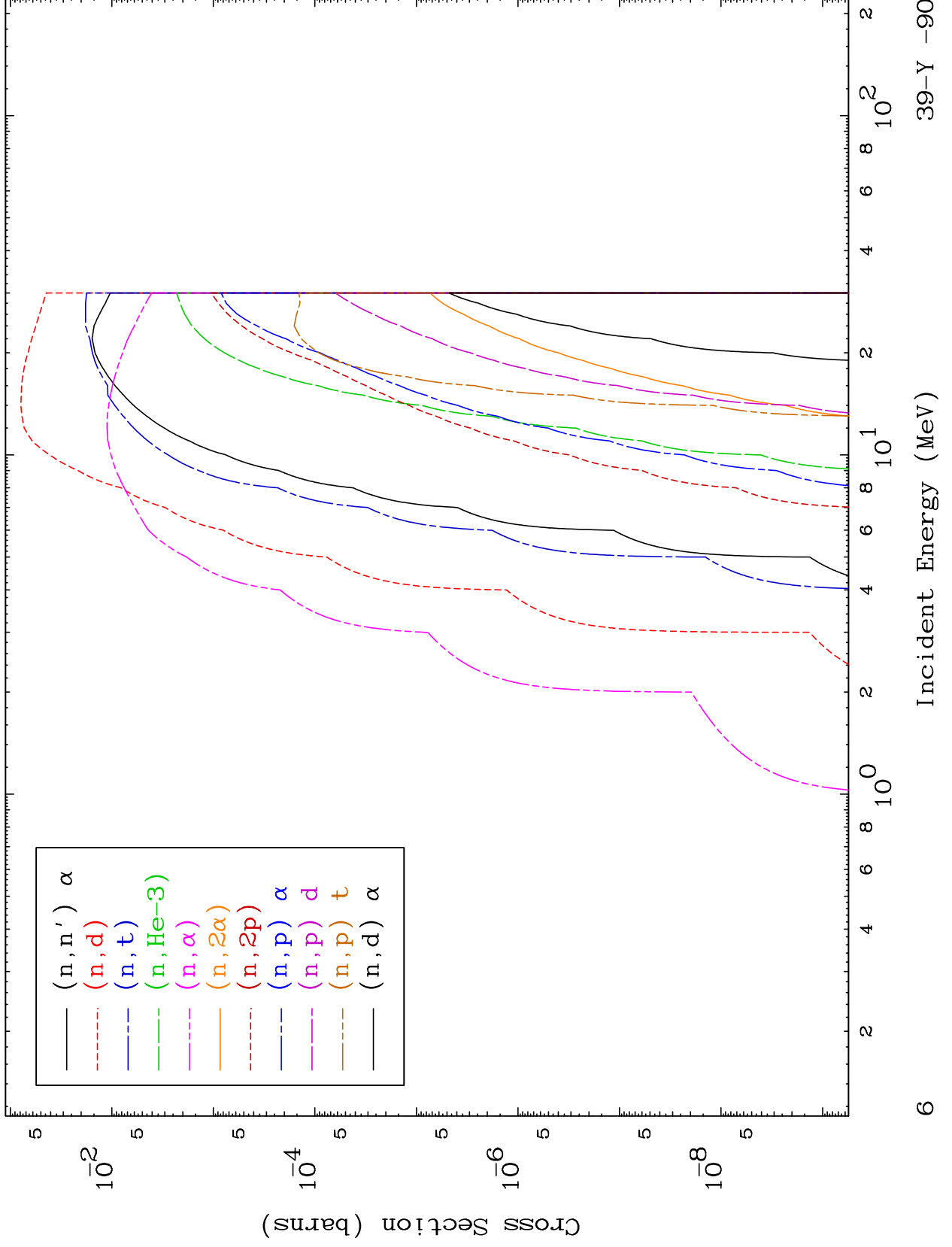
39-Y -90









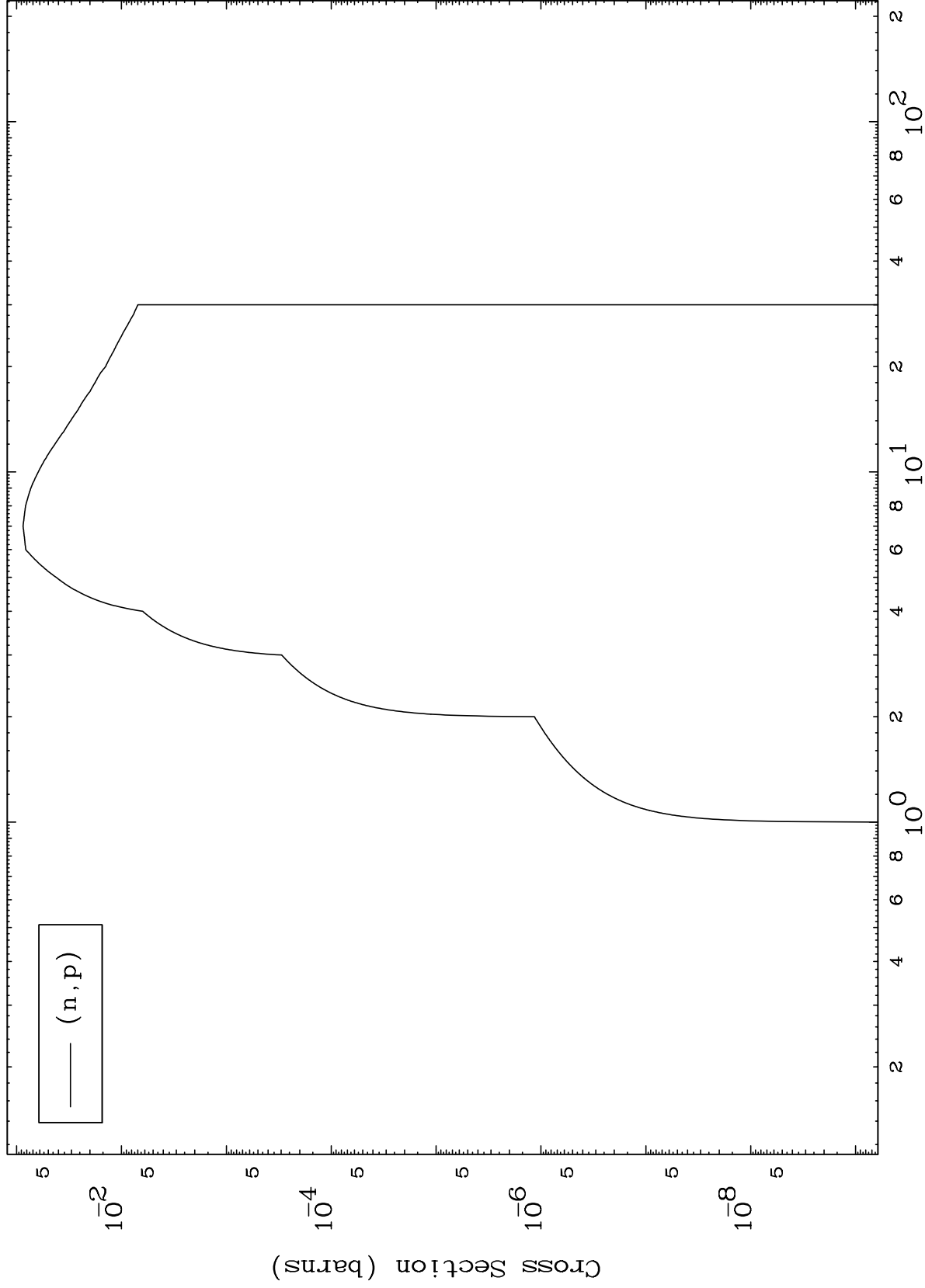


MAT 3928

(d,p) Levels

39-Y -90

0 Kelvin Cross Sections



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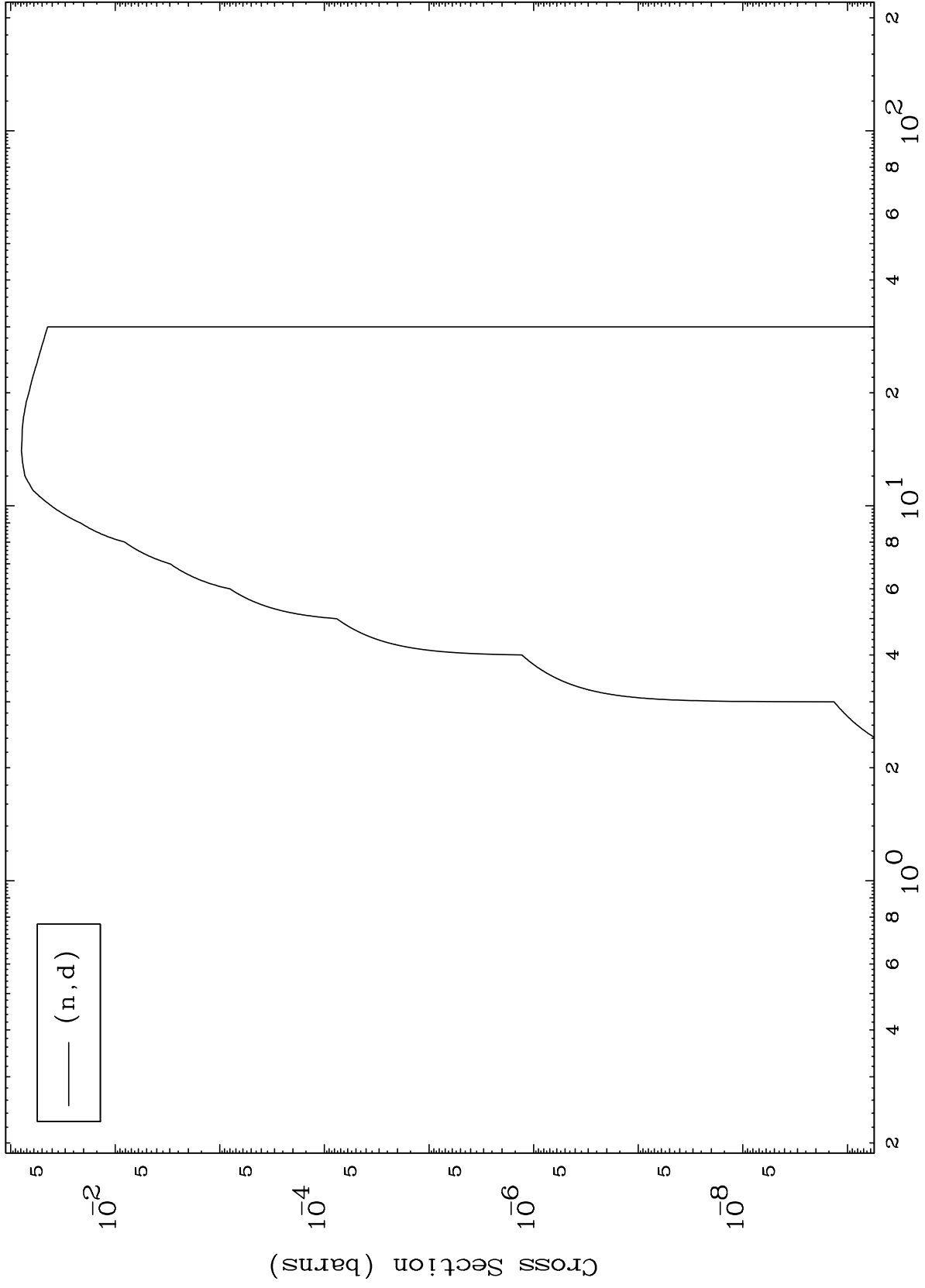
Incident Energy (MeV)

39-Y -90

MAT 3928

(d,d) Levels
0 Kelvin Cross Sections

39-Y -90



8

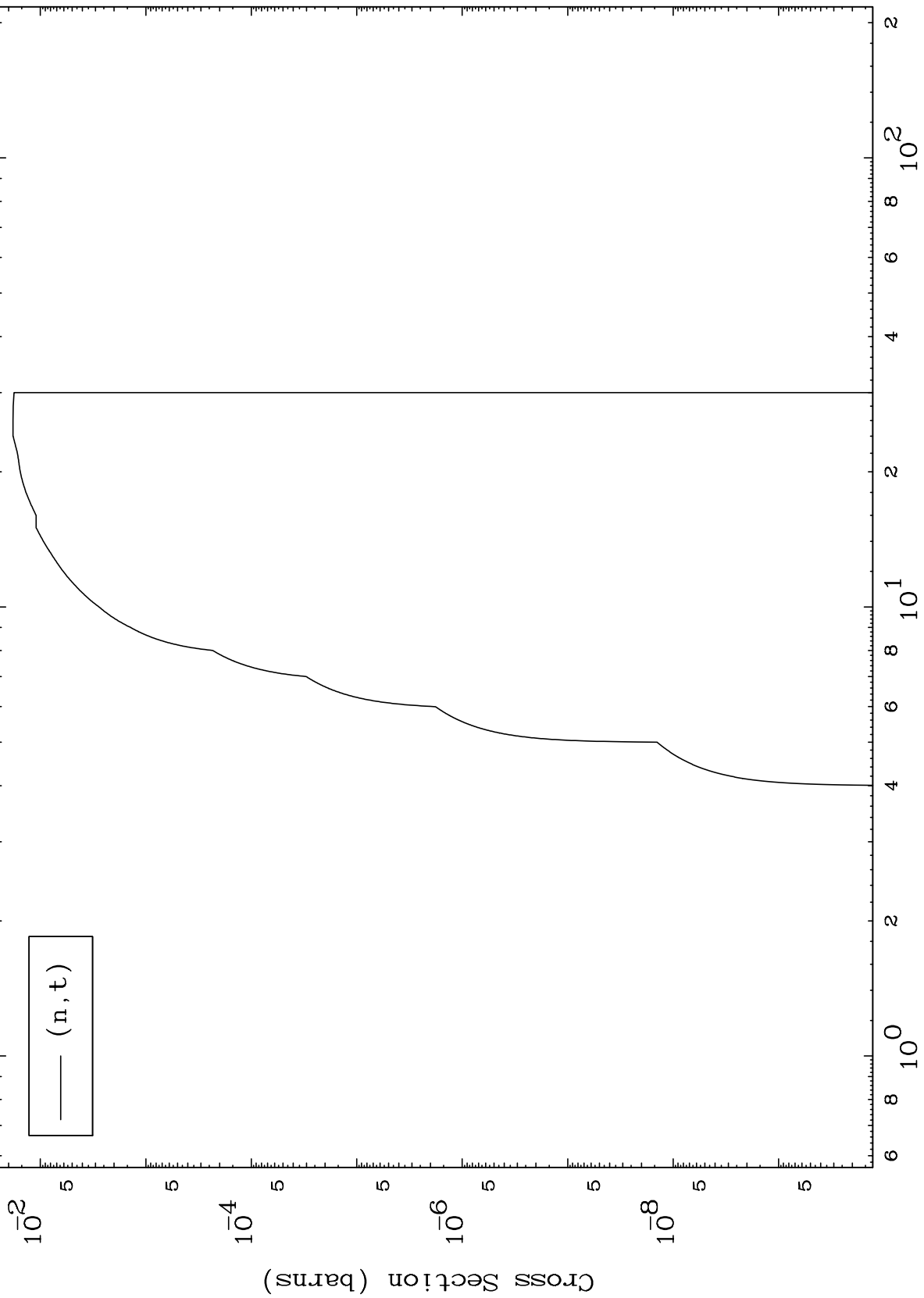
Incident Energy (MeV)

39-Y -90

MAT 3928

39-Y -90

(d,t) Levels
0 Kelvin Cross Sections



9

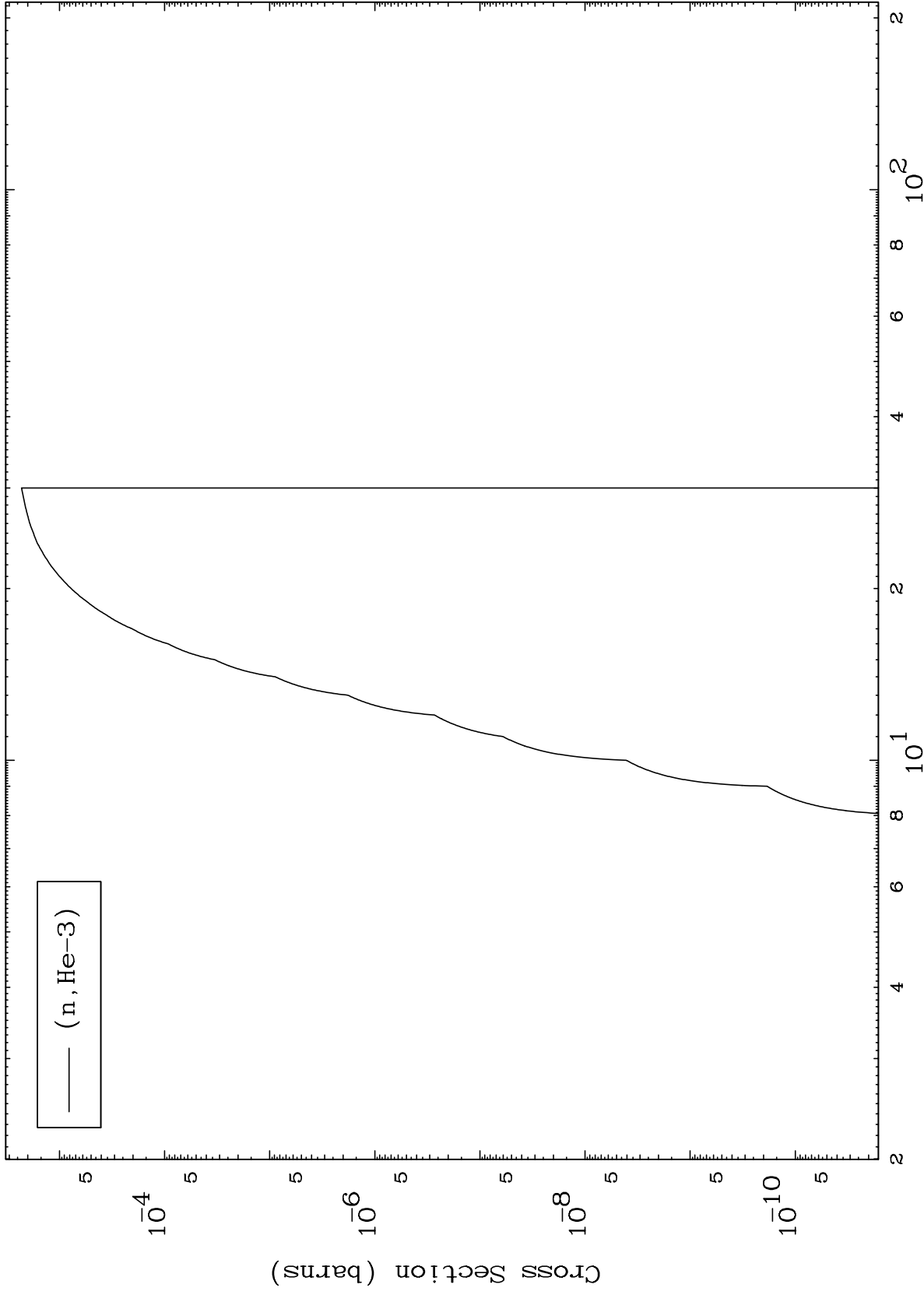
Incident Energy (MeV)

39-Y -90

MAT 3928

(d,He3) Levels
0 Kelvin Cross Sections

39-Y -90



10

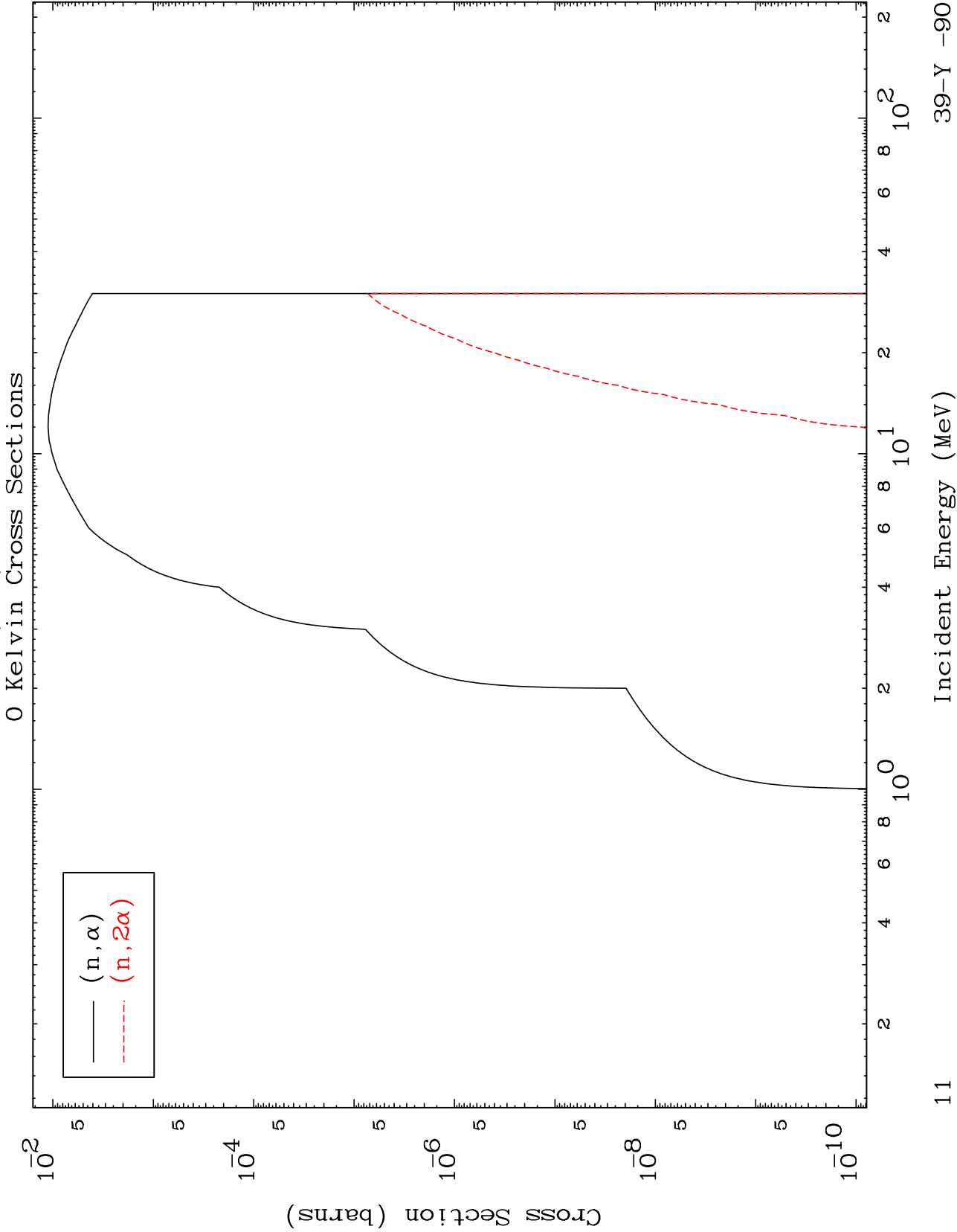
Incident Energy (MeV)

39-Y -90

MAT 3928

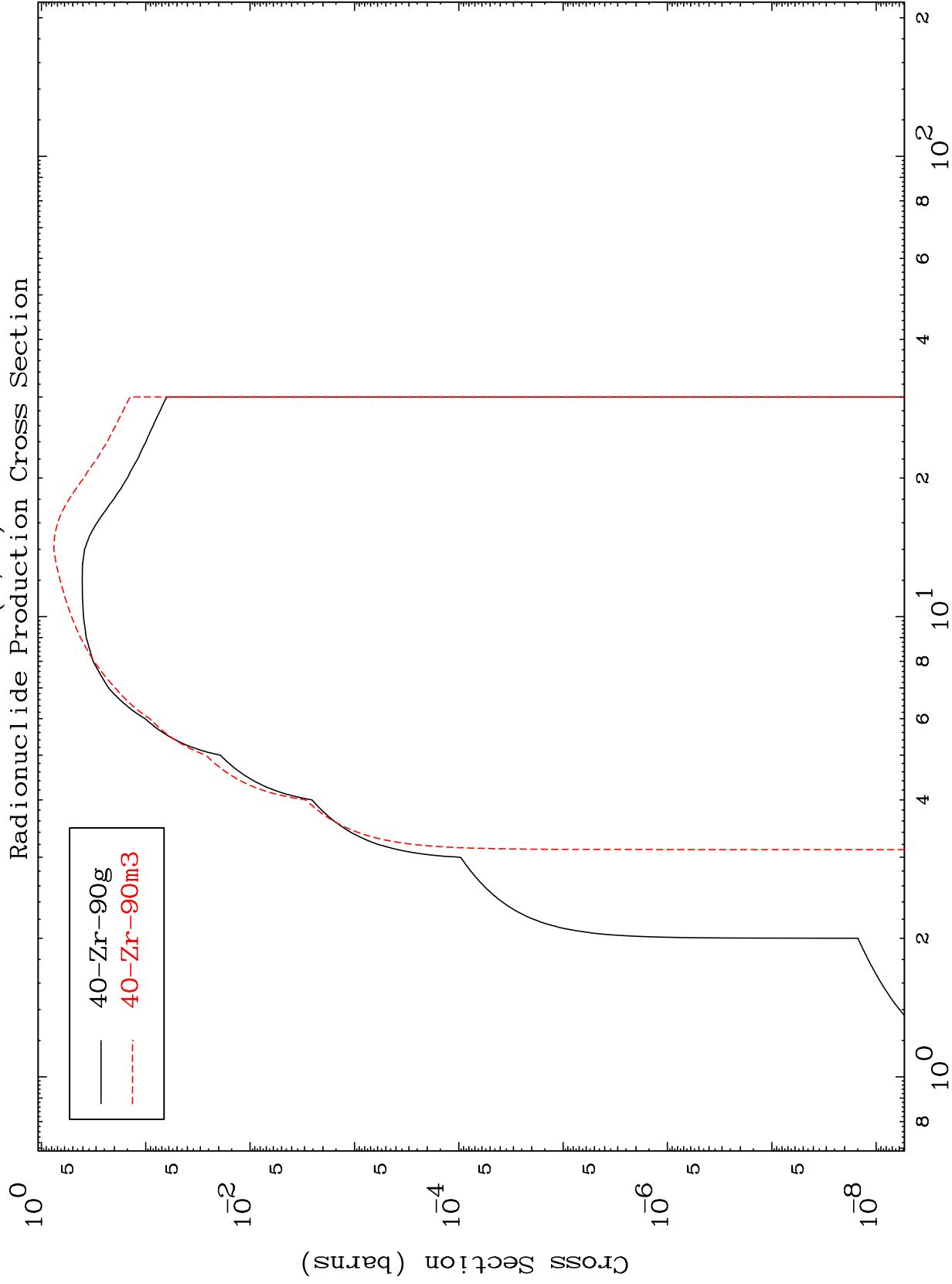
(d, α) Levels

39-Y -90



MAT 3928

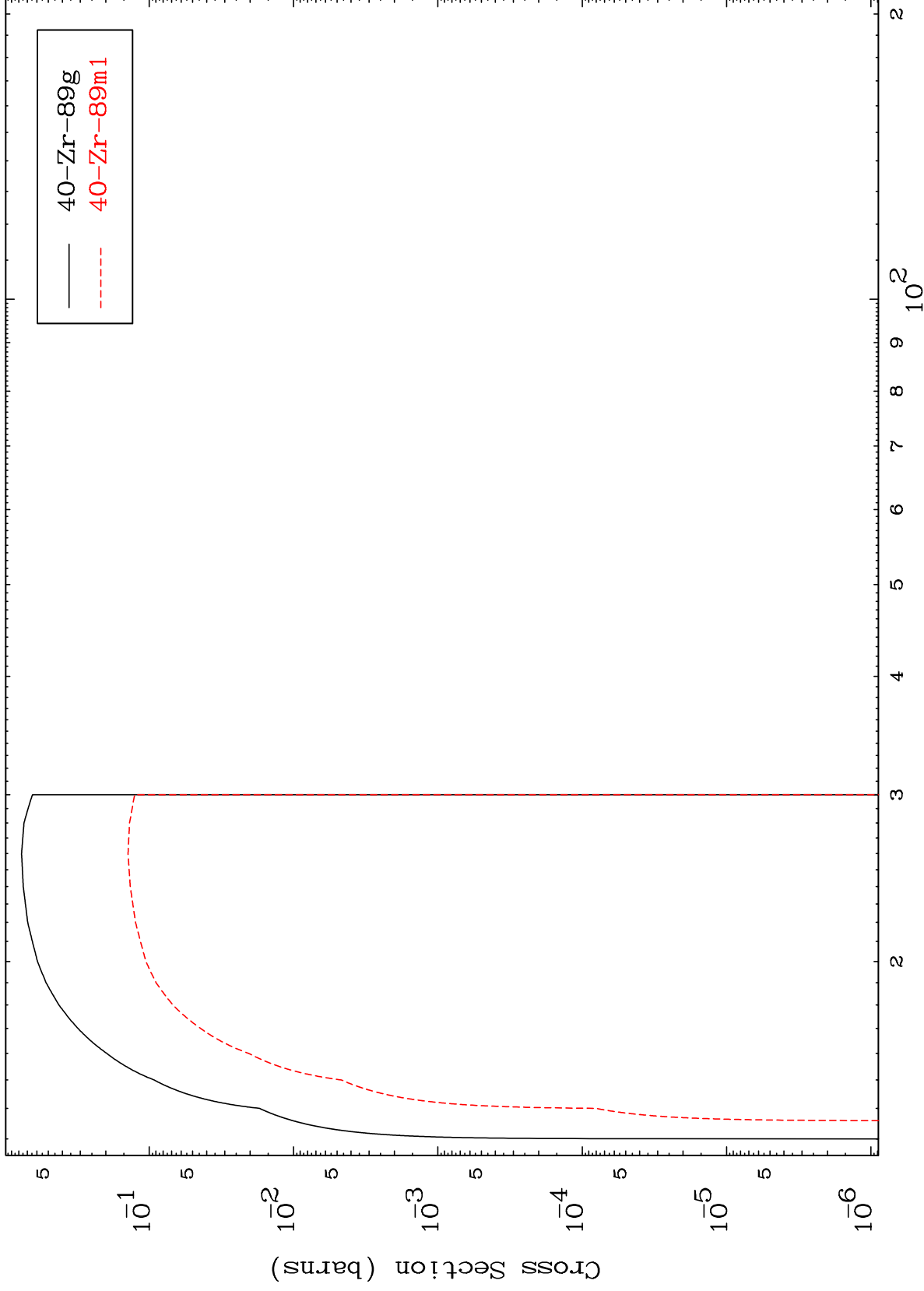
39-Y -90



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39-Y -90

Radionuclide Production Cross Section



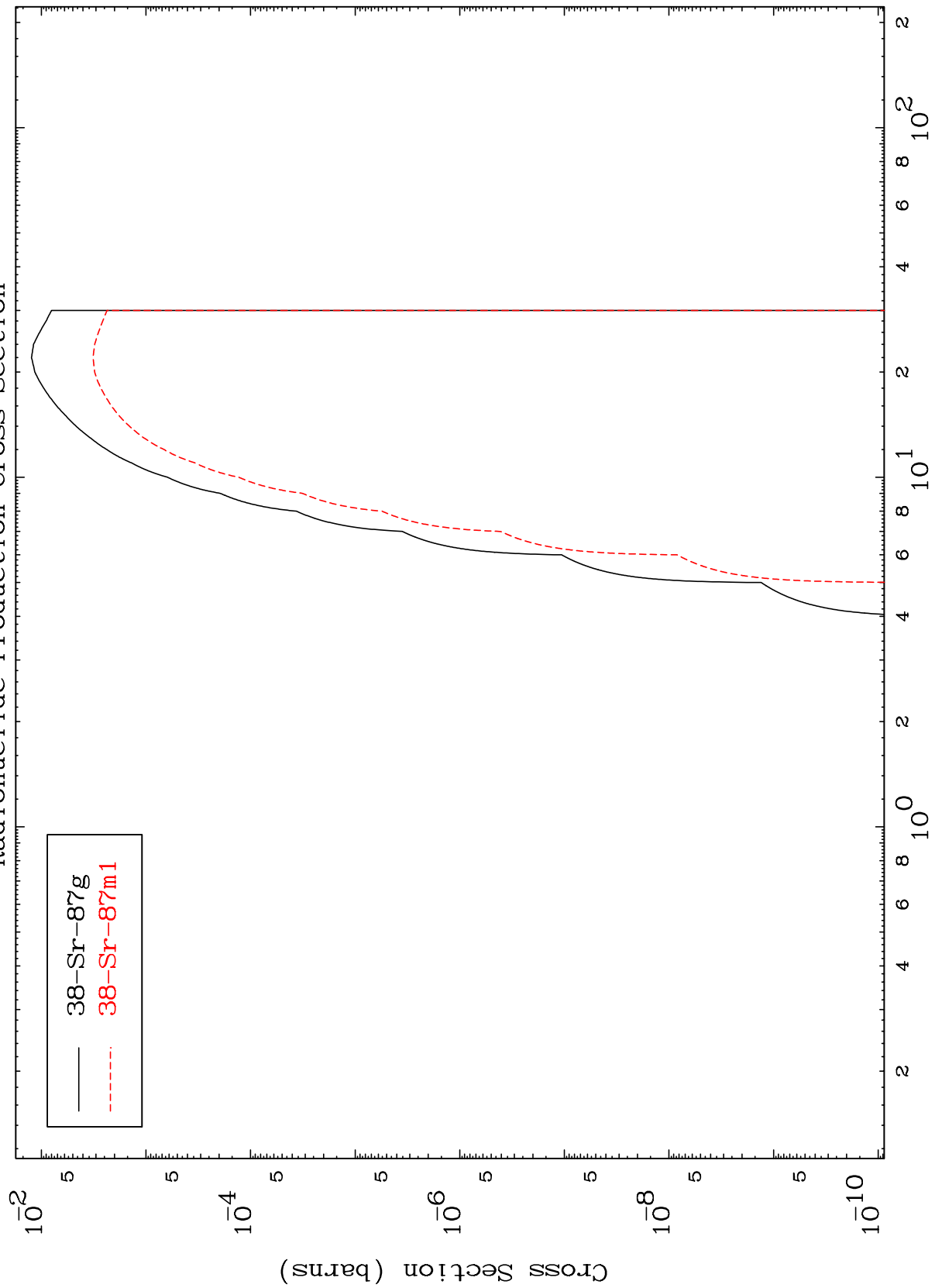
40-Zr-89g
40-Zr-89m1

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$(n, n') \alpha$

39-Y -90

Radionuclide Production Cross Section



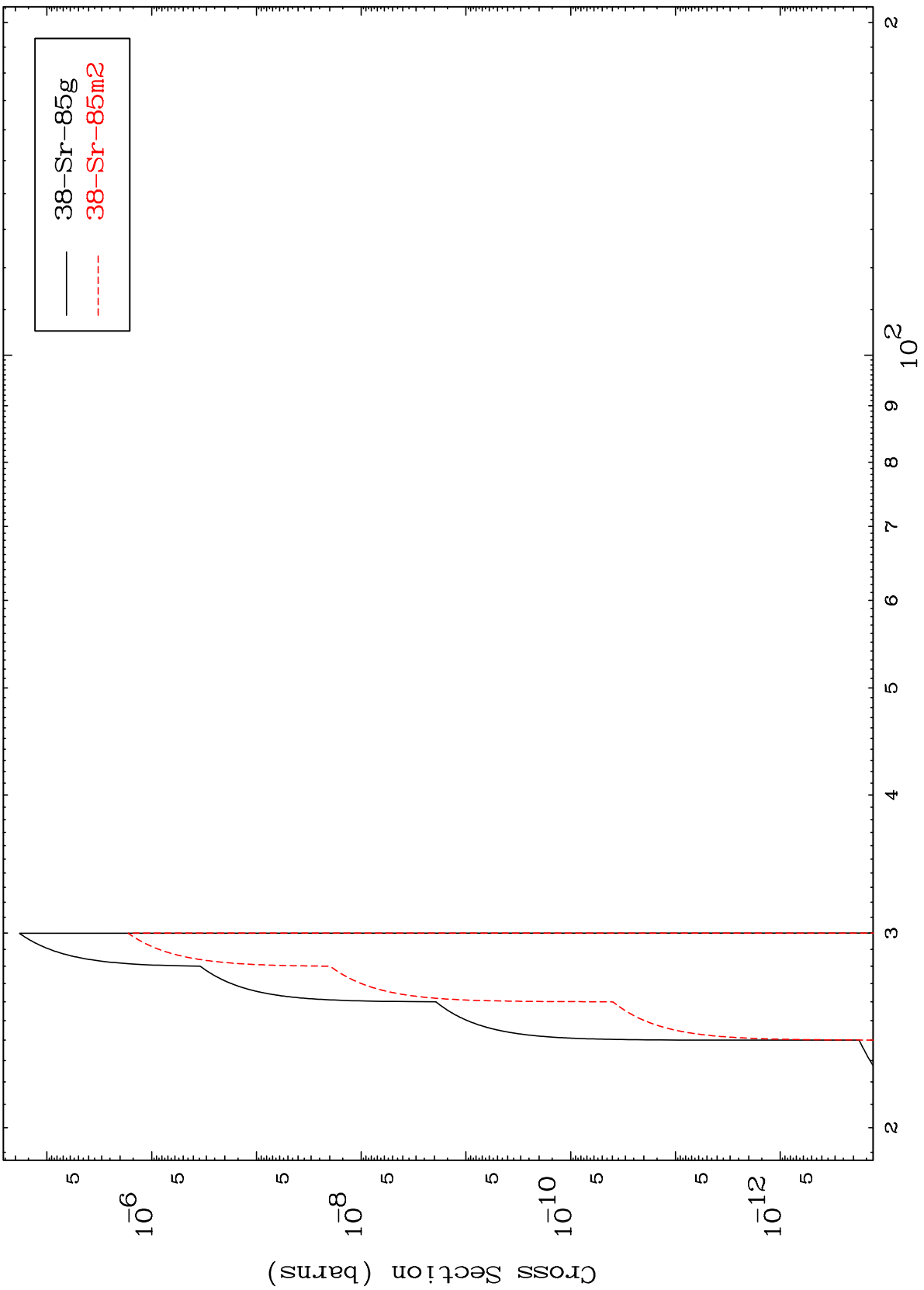
— 38-Sr-87g
- - - 38-Sr-87m1

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(n,3n) α

39-Y -90

Radionuclide Production Cross Section



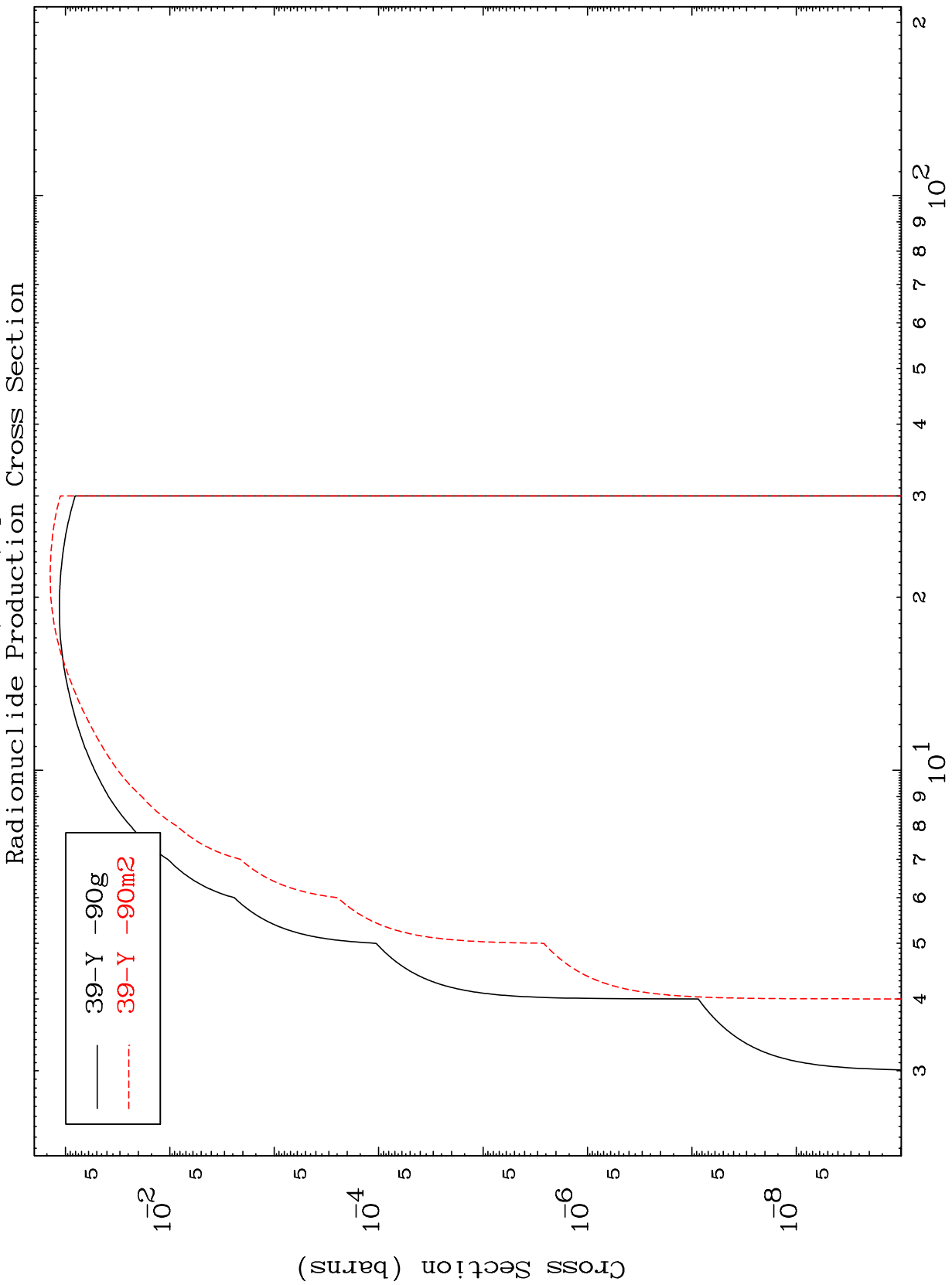
15

Incident Energy (MeV)

39-Y -90

MAT 3928

39-Y -90



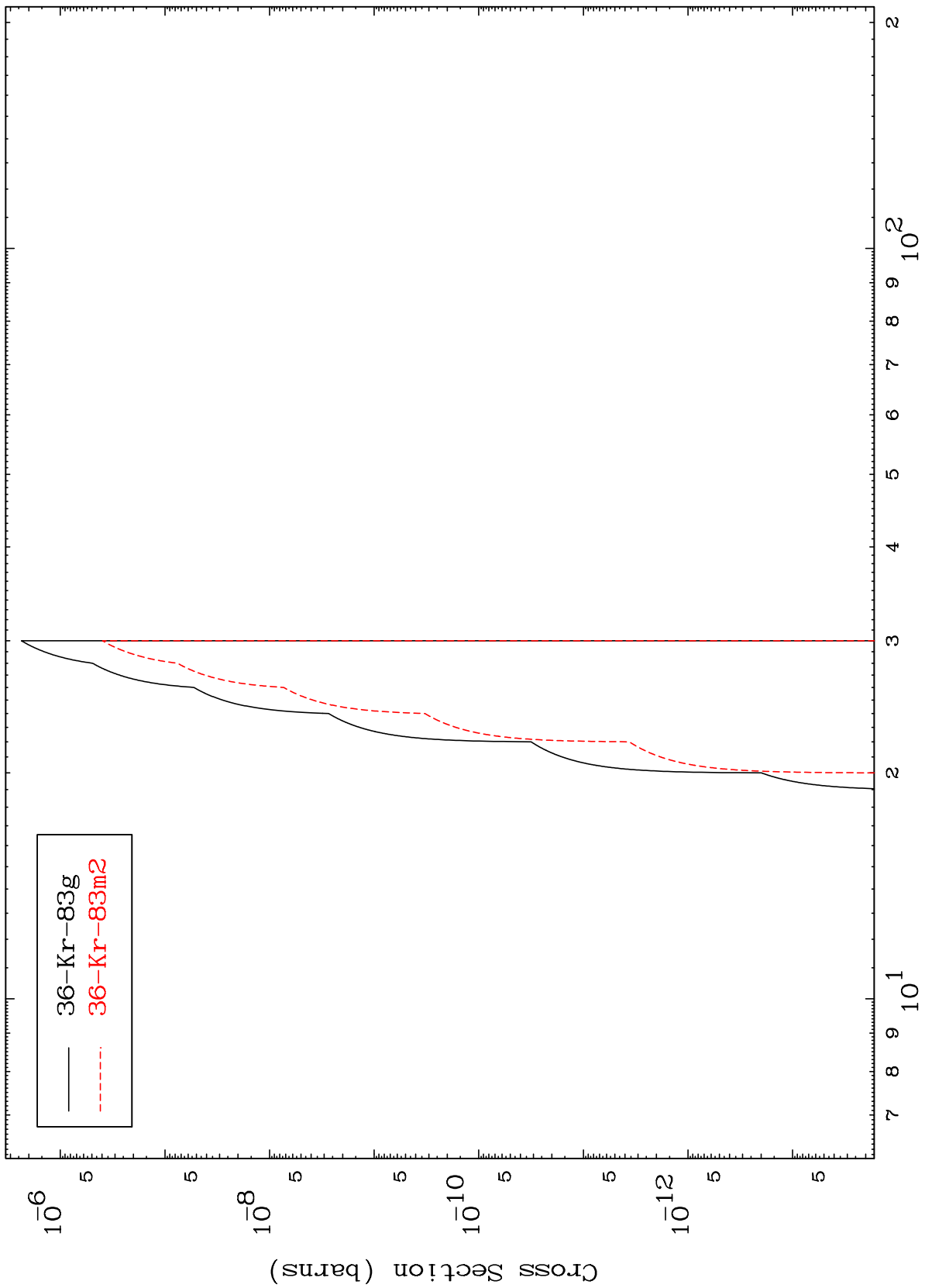
16

39-Y -90

MAT 3928

39-Y -90

(n,n') 2α
Radionuclide Production Cross Section



— 36-Kr-83g
- - - 36-Kr-83m2

17

Incident Energy (MeV)

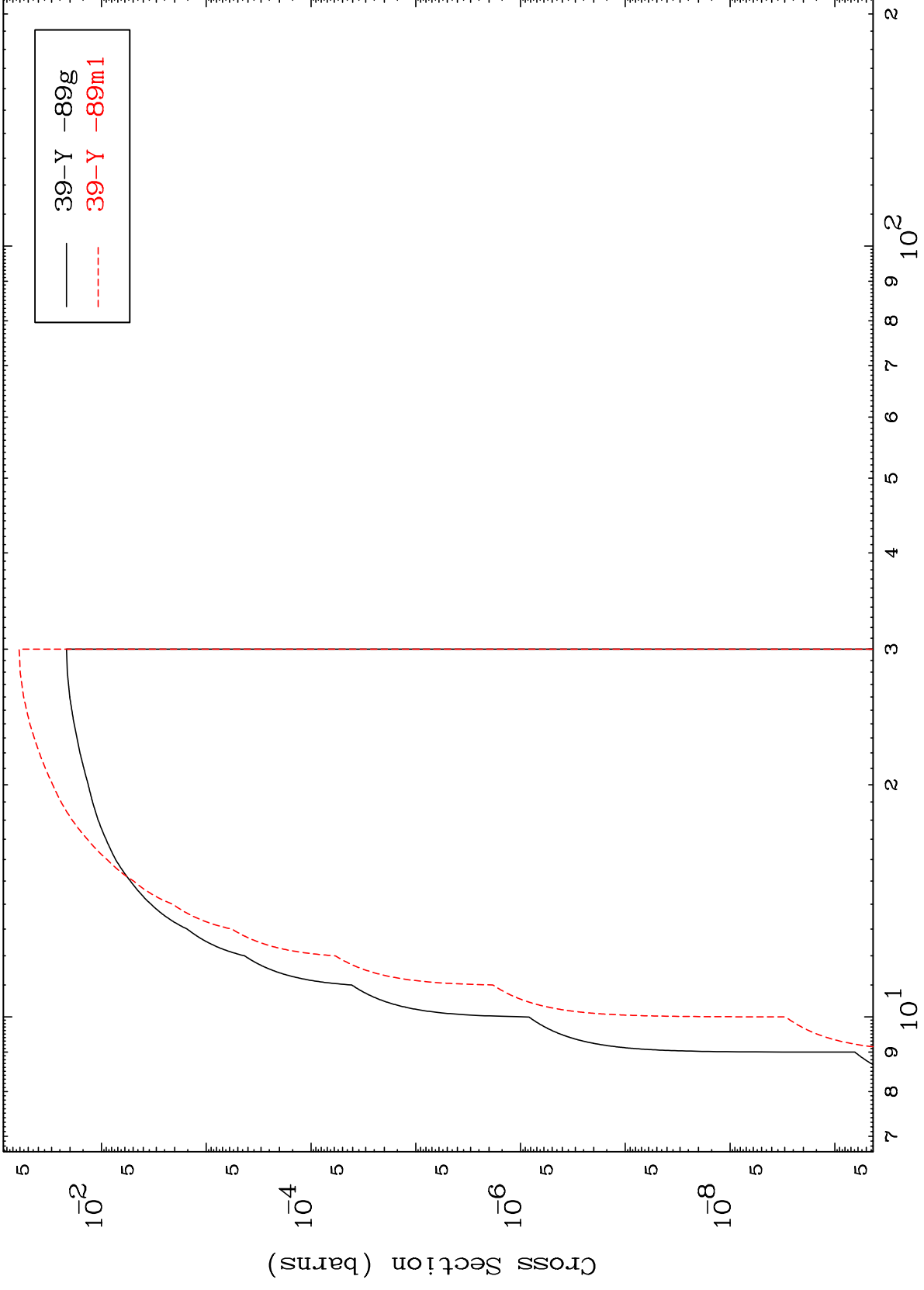
39-Y -90

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(n,n') d

39-Y -90

Radionuclide Production Cross Section



18

Incident Energy (MeV)

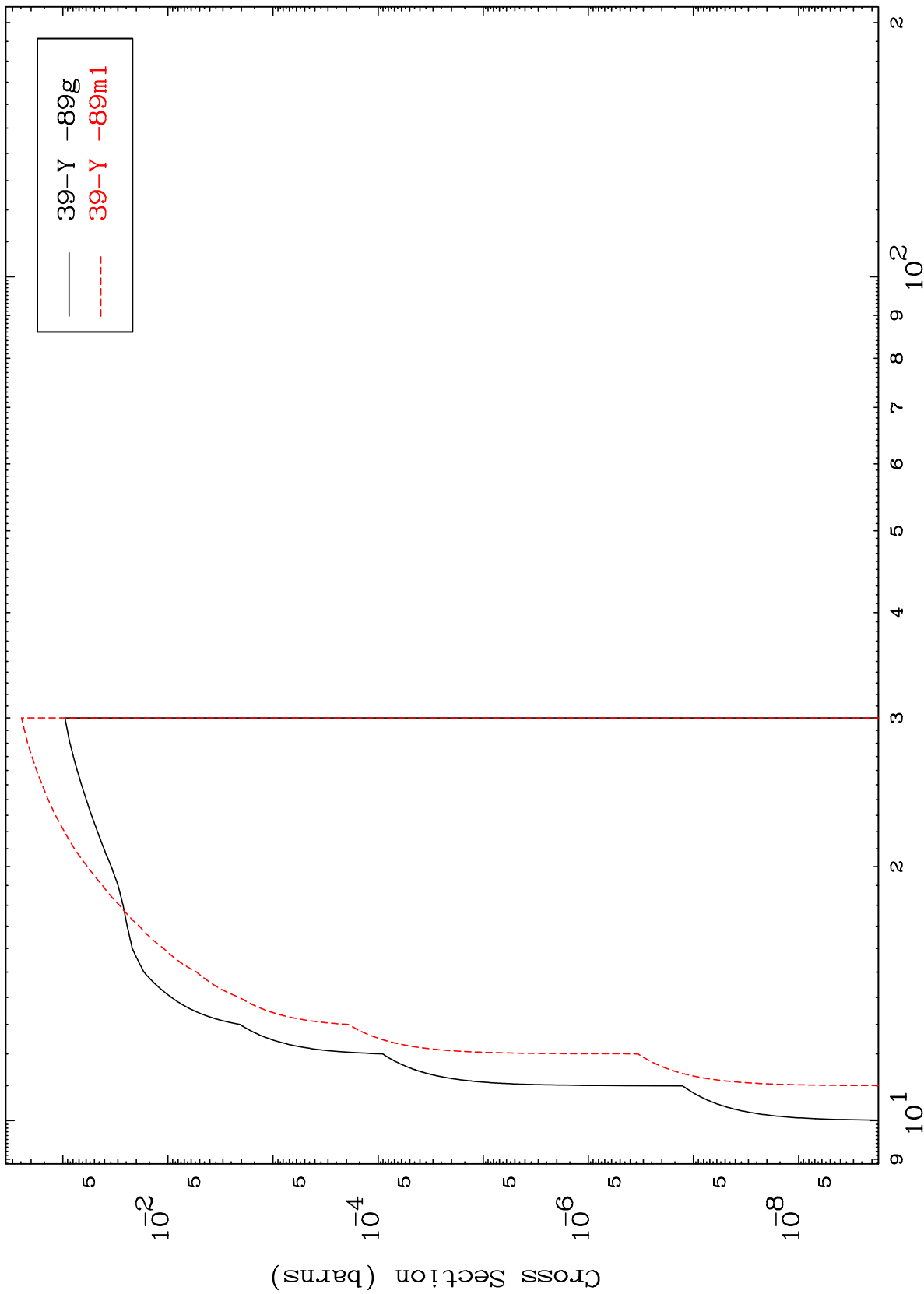
39-Y -90

MAT 3928

(n,2n) p

39-Y -90

Radionuclide Production Cross Section



Incident Energy (MeV)

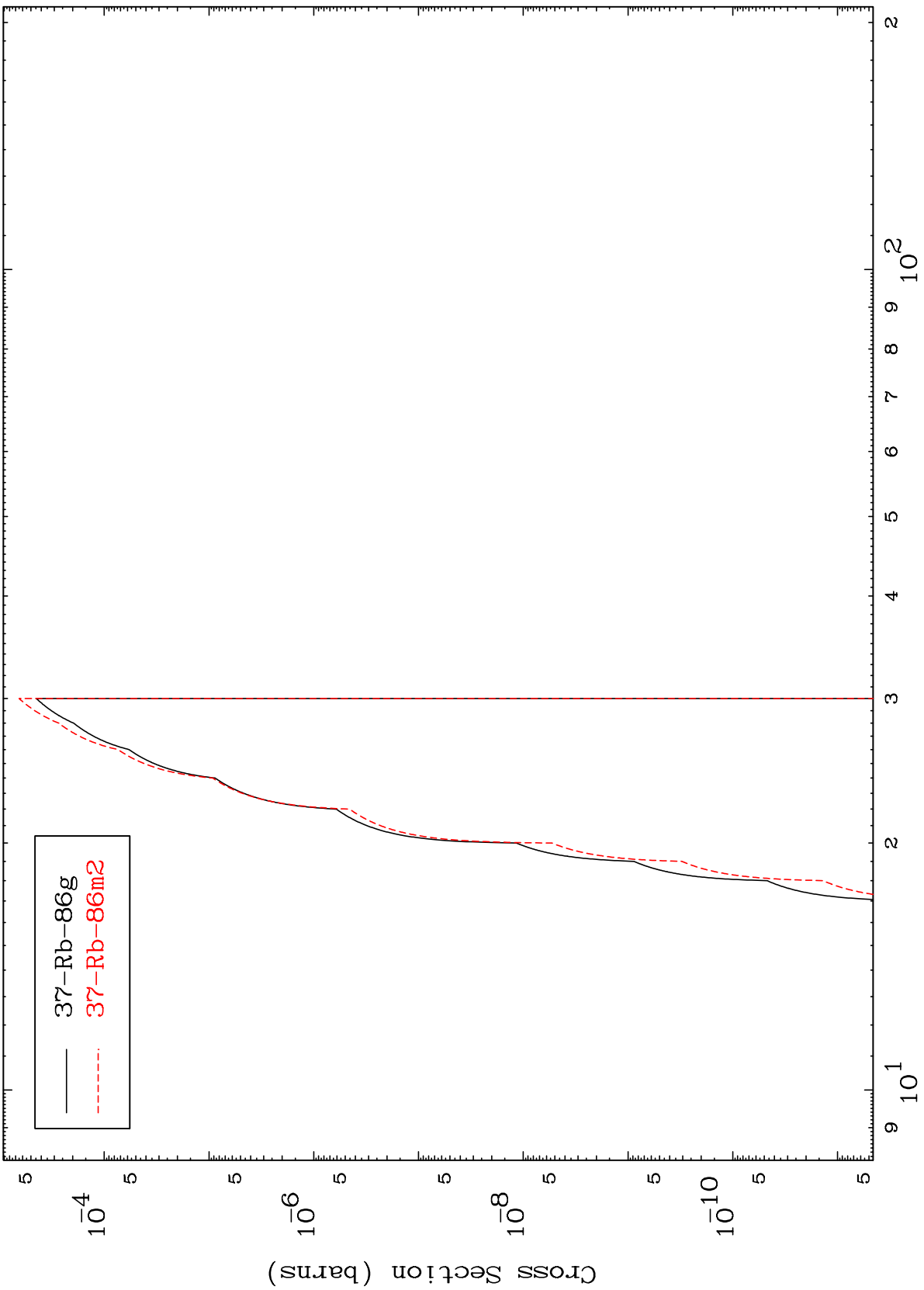
39-Y -90

MAT 3928

(n,n') p α

39-Y -90

Radionuclide Production Cross Section



— 37-Rb-86g
- - - 37-Rb-86m2

20

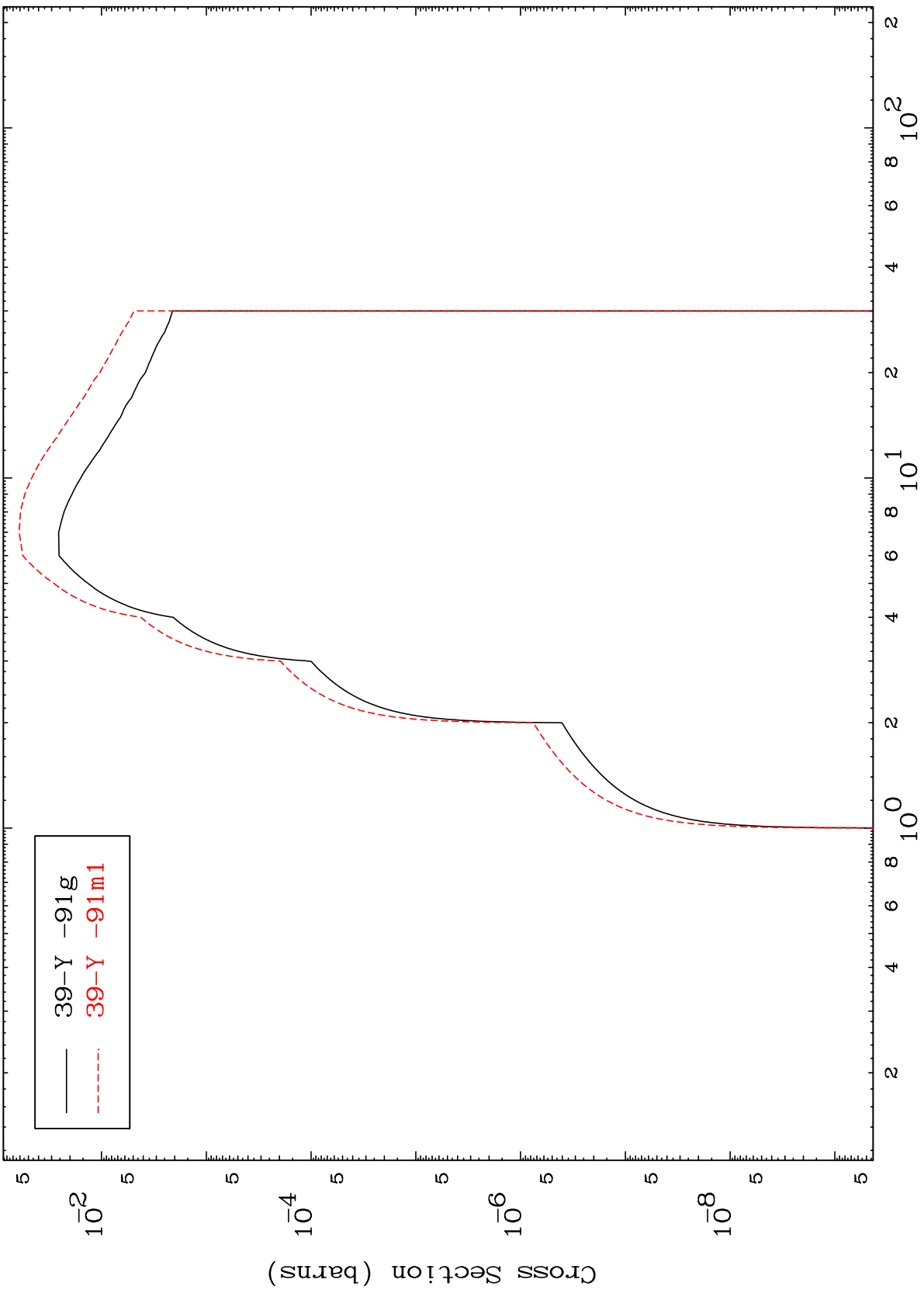
Incident Energy (MeV)

39-Y -90

MAT 3928

39-Y -90

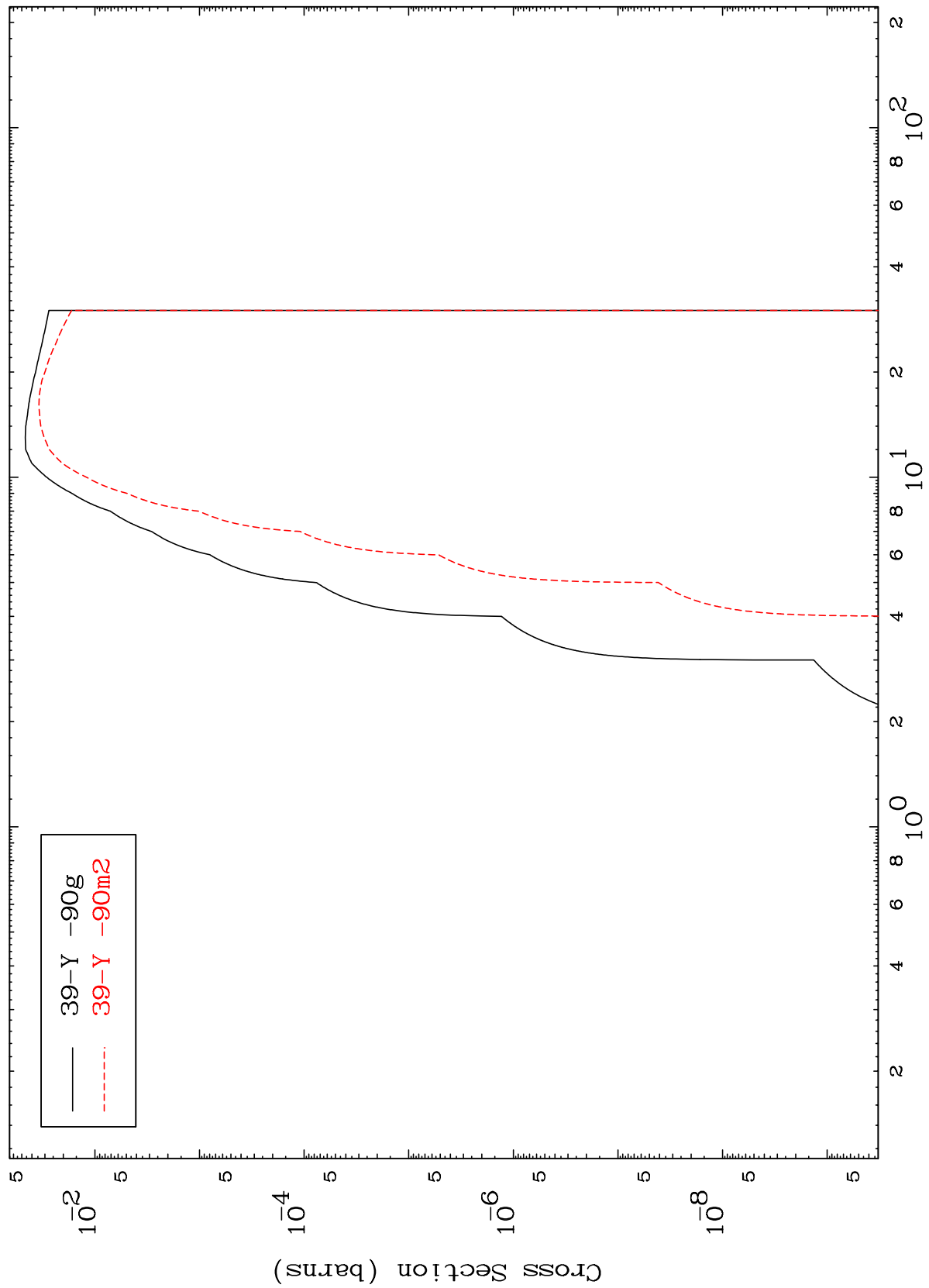
(n,p)
Radionuclide Production Cross Section



MAT 3928

39-Y -90

(n,d)
Radionuclide Production Cross Section

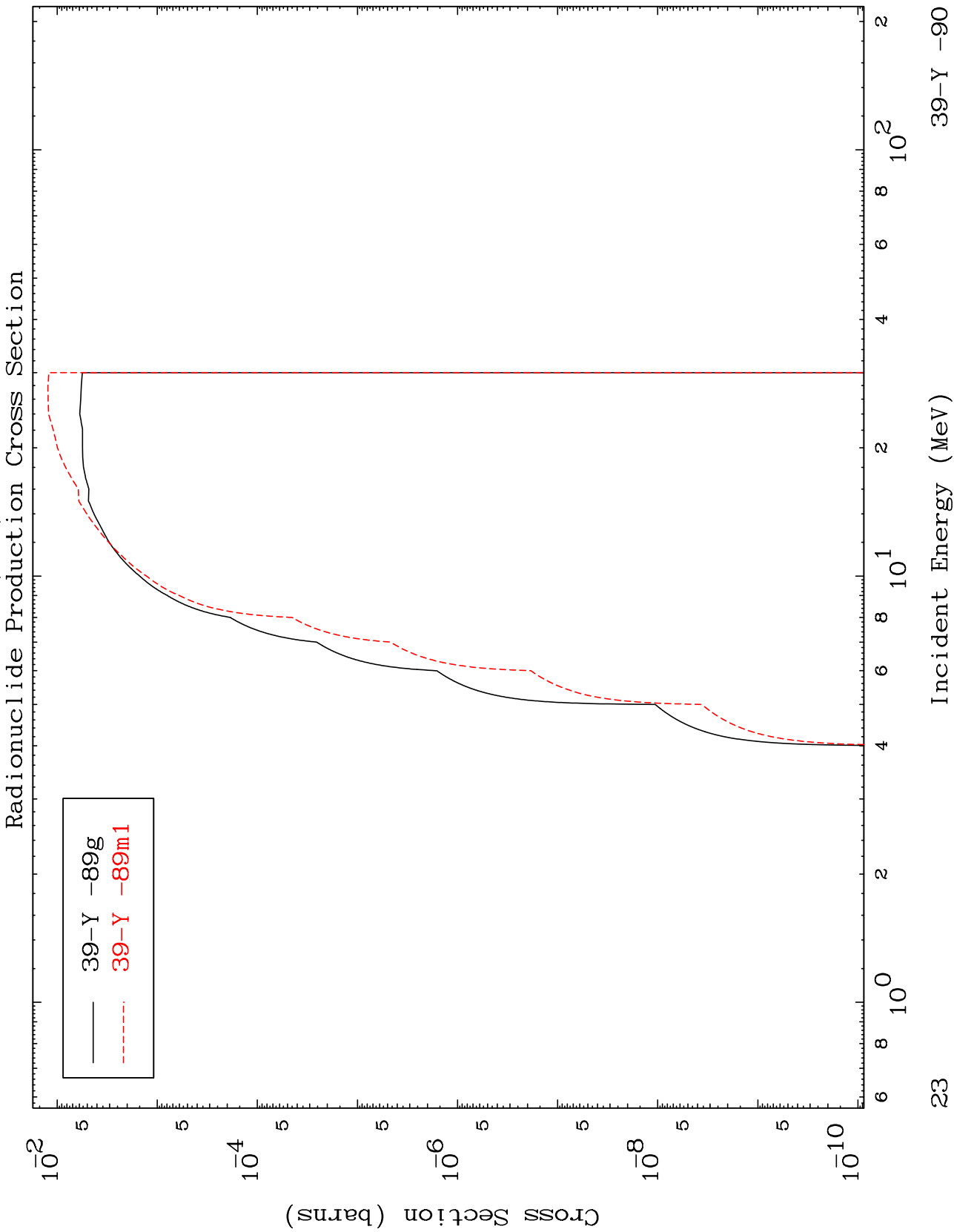


39-Y -90

Incident Energy (MeV)

MAT 3928

39-Y -90

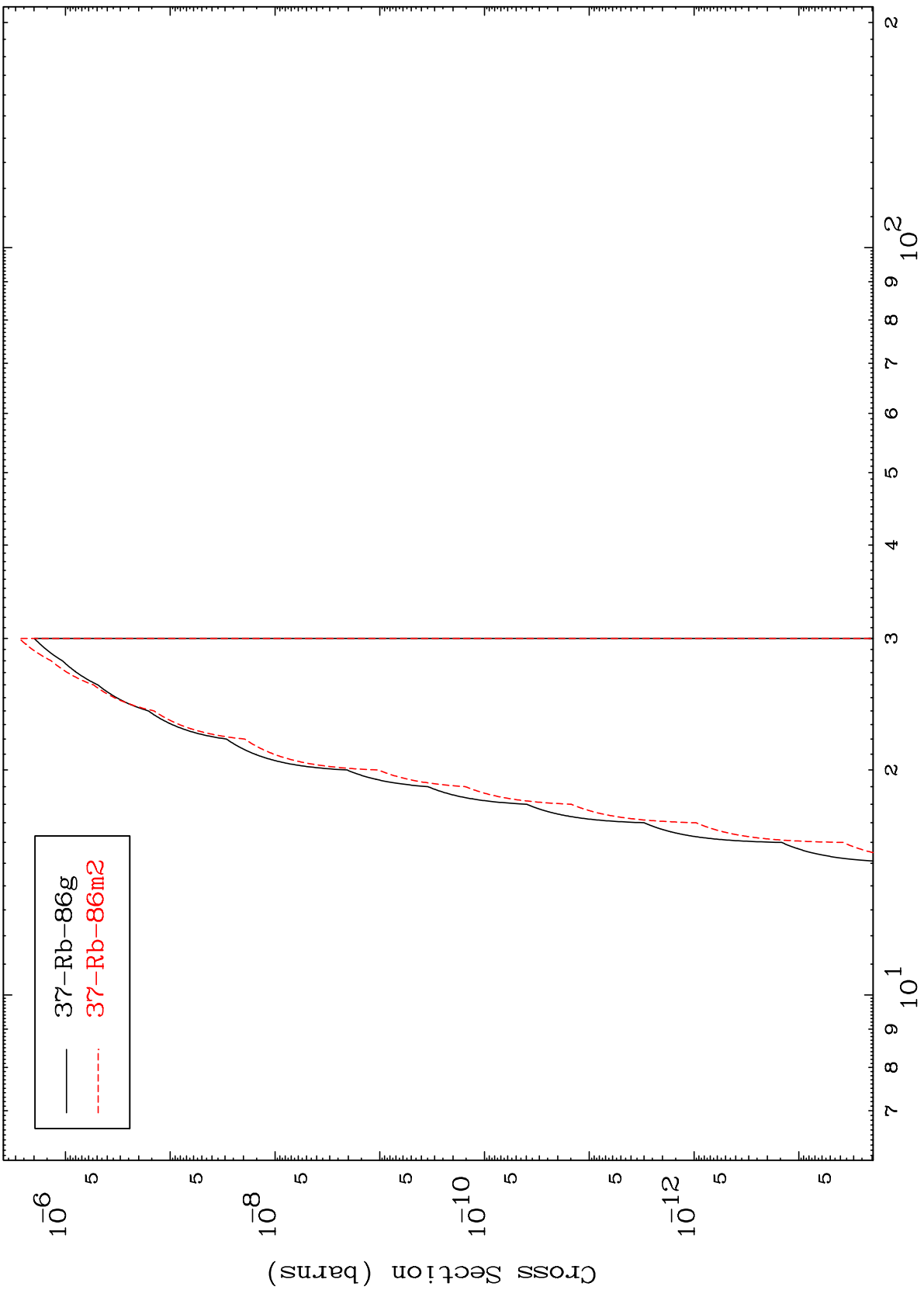


MAT 3928

(n,d) α

39-Y -90

Radionuclide Production Cross Section



24

Incident Energy (MeV)

39-Y -90