

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E-Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

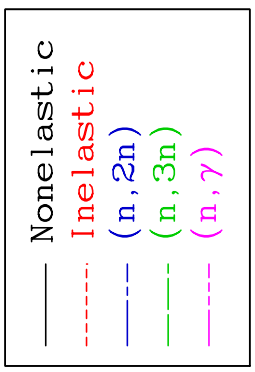
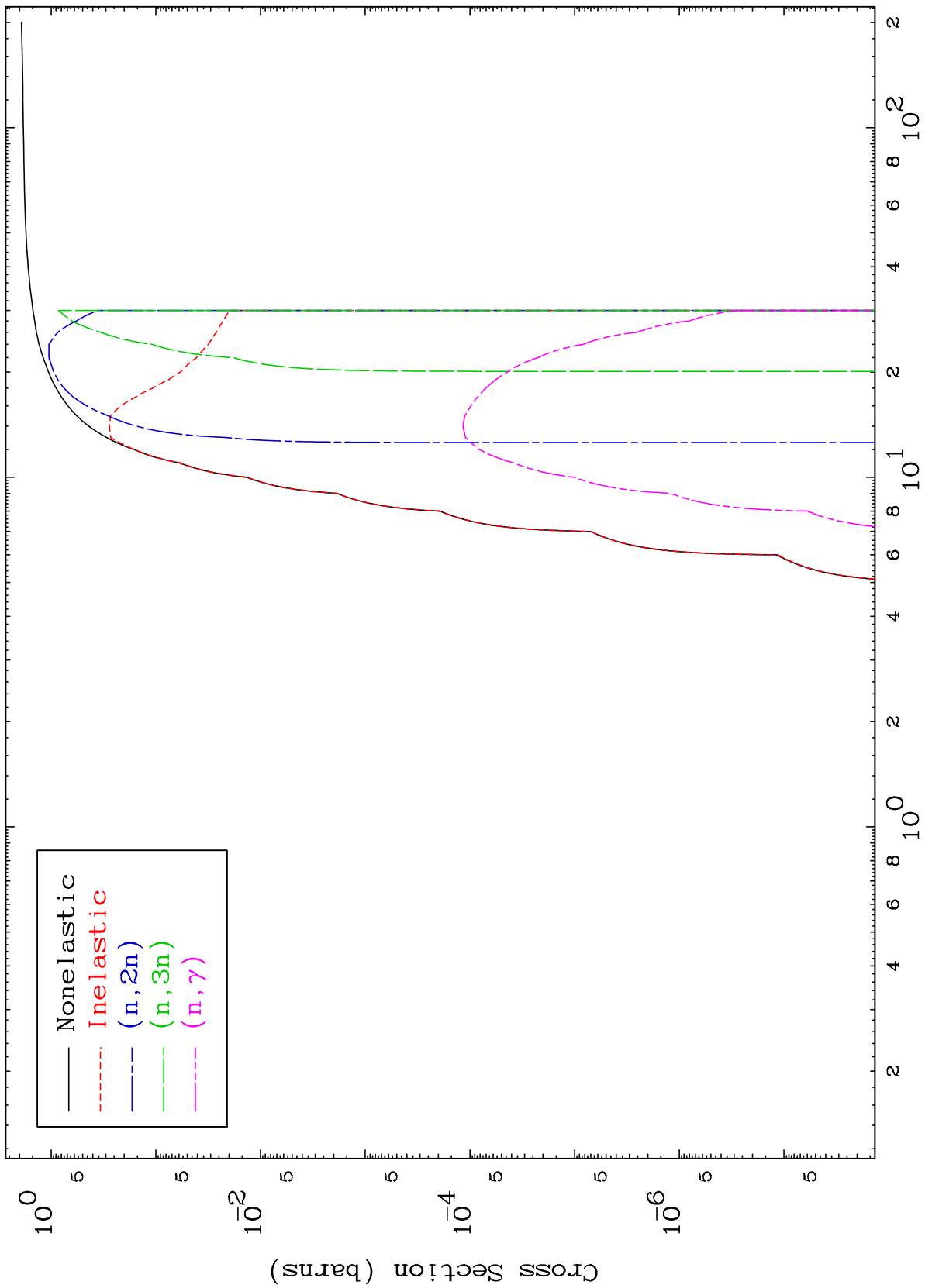
Press Mouse Button to Start

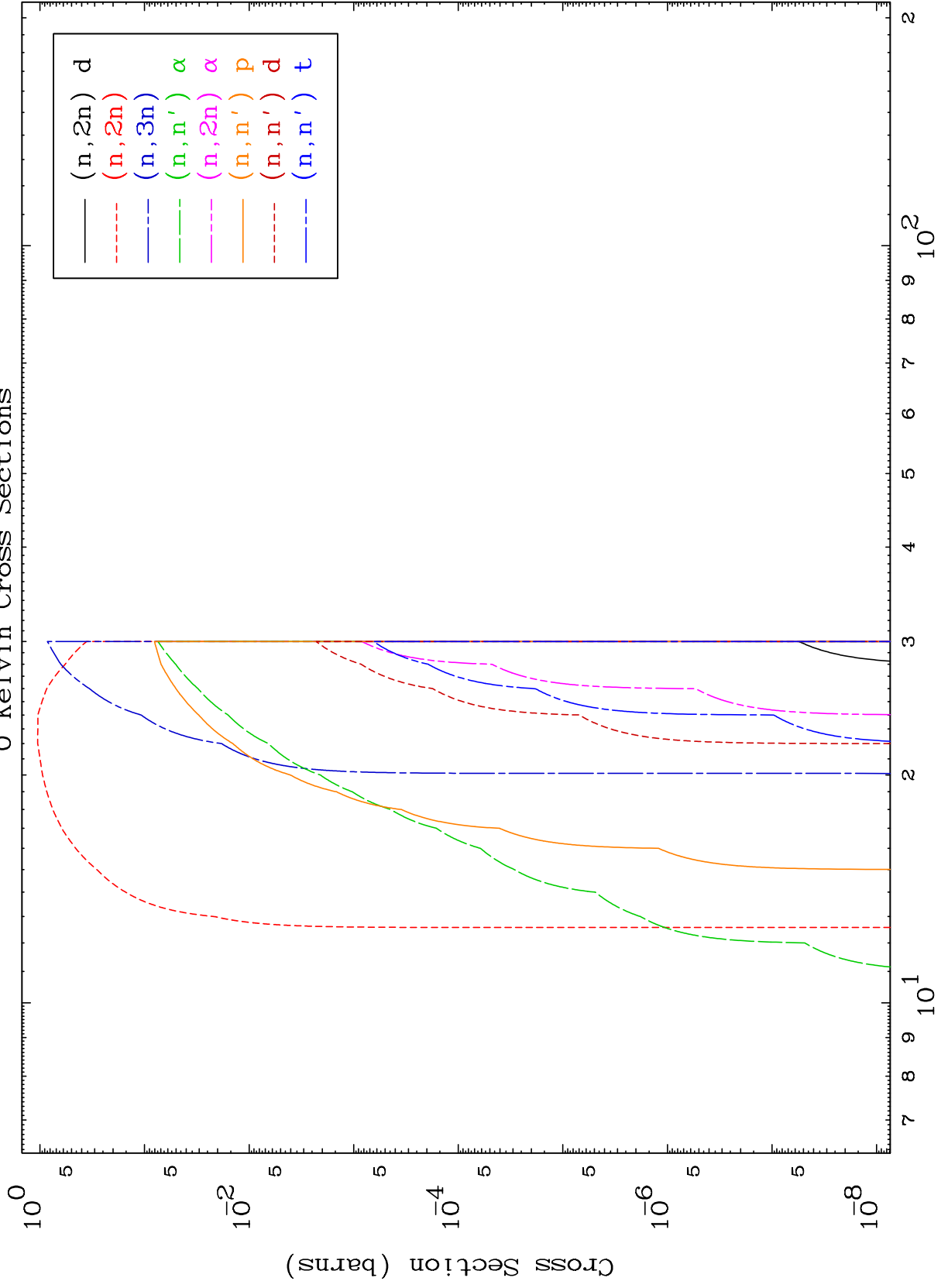
MAT 3840

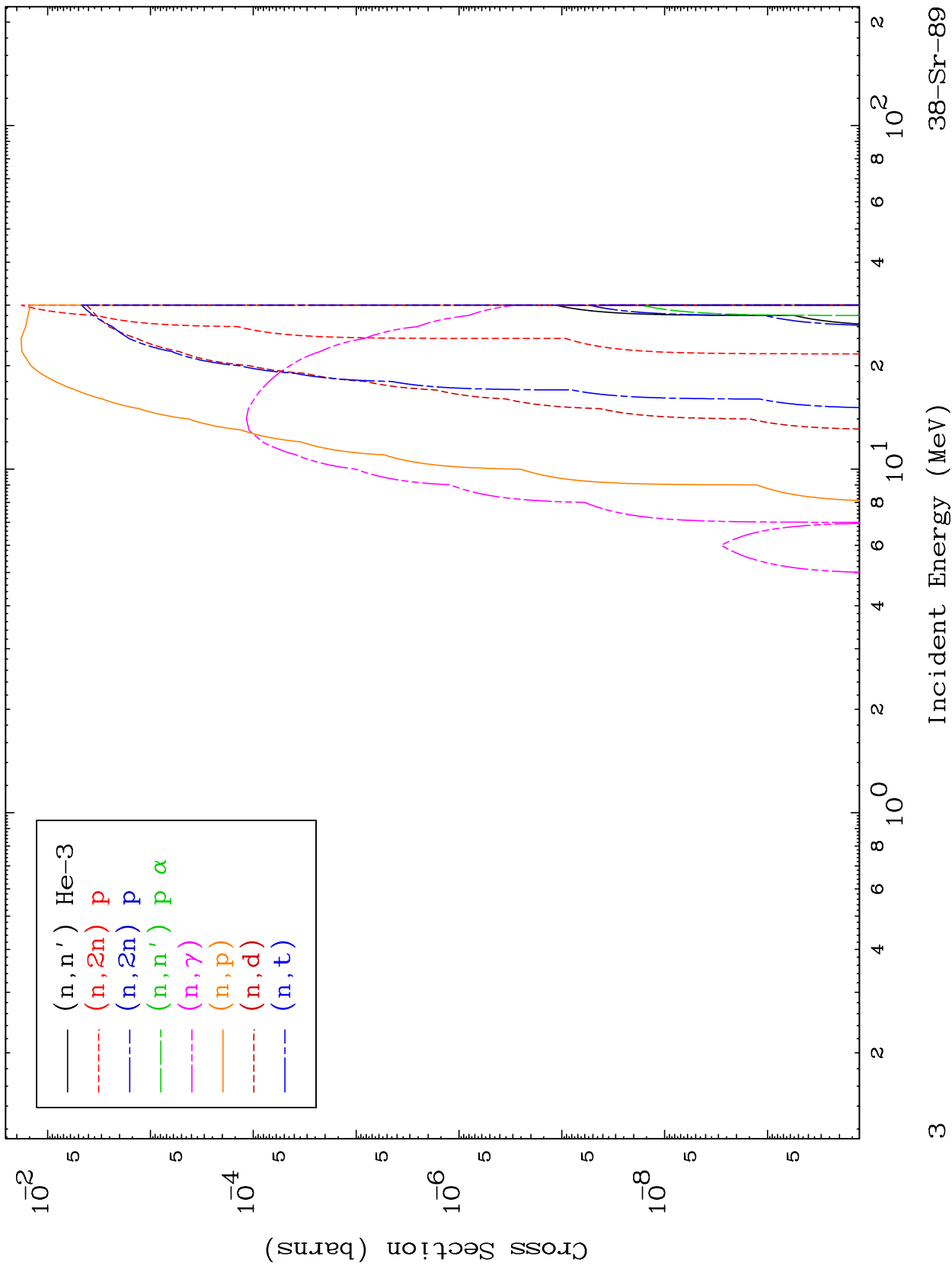
$\alpha$  Major

0 Kelvin Cross Sections

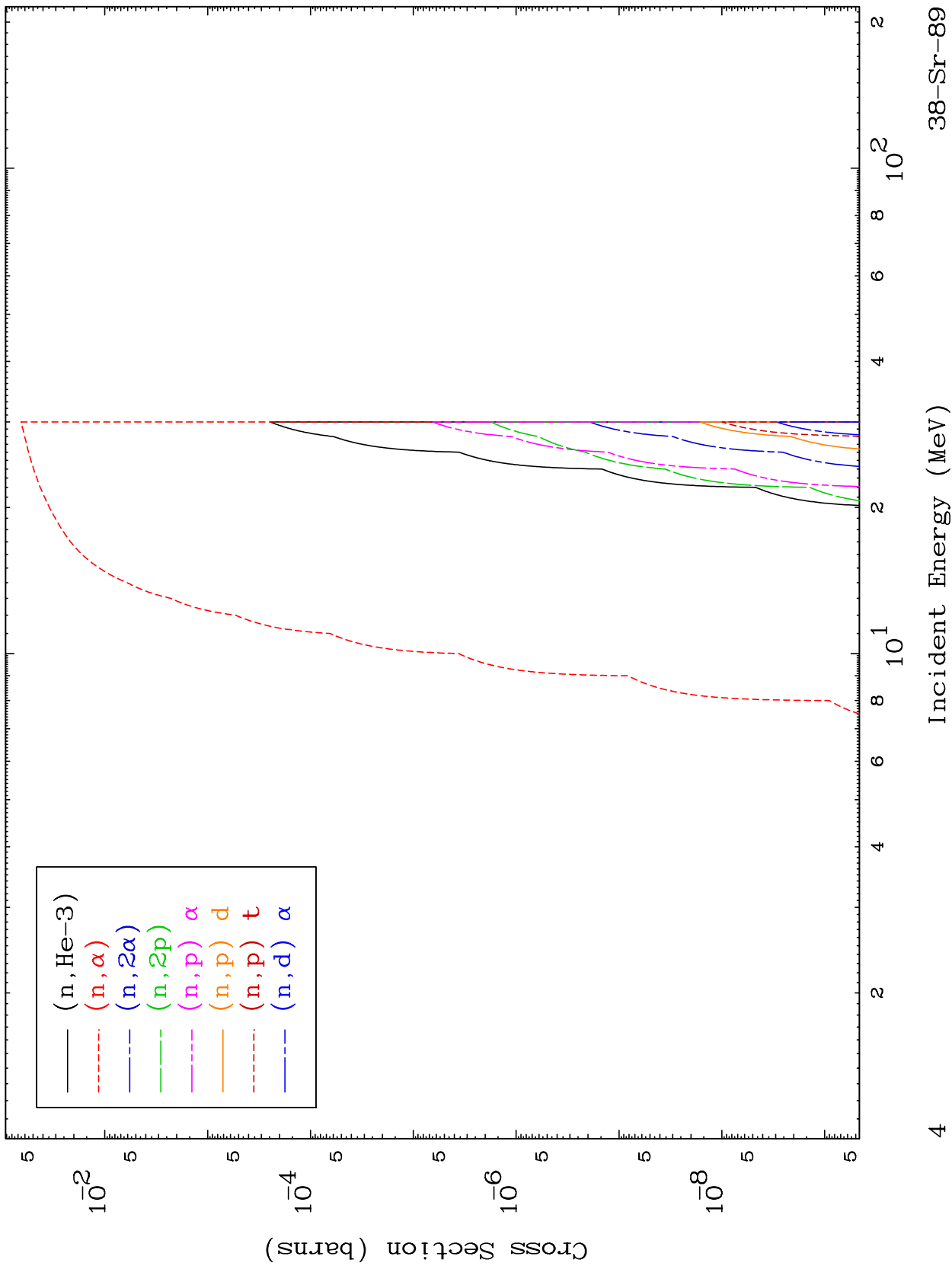
38-Sr-89

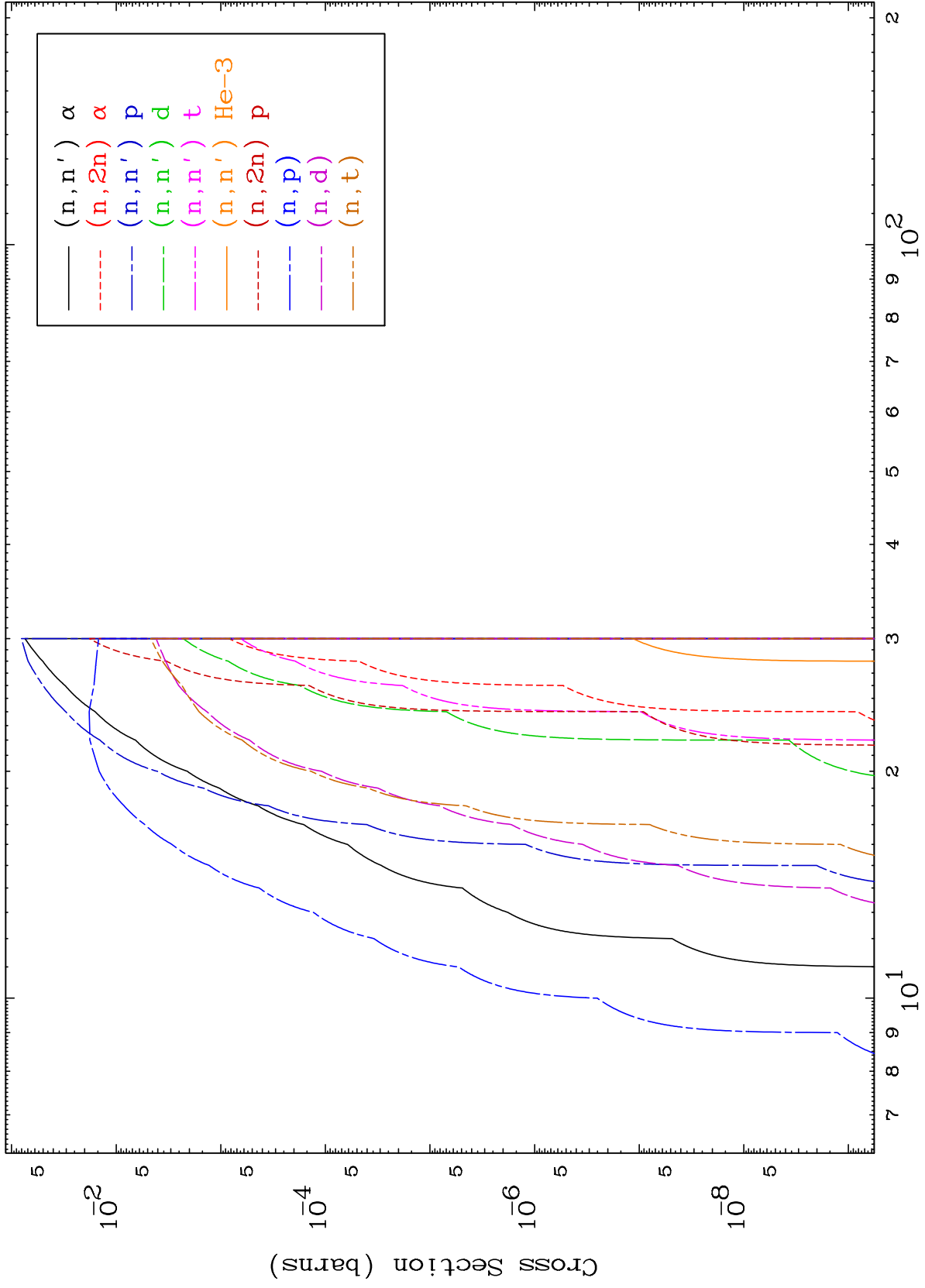


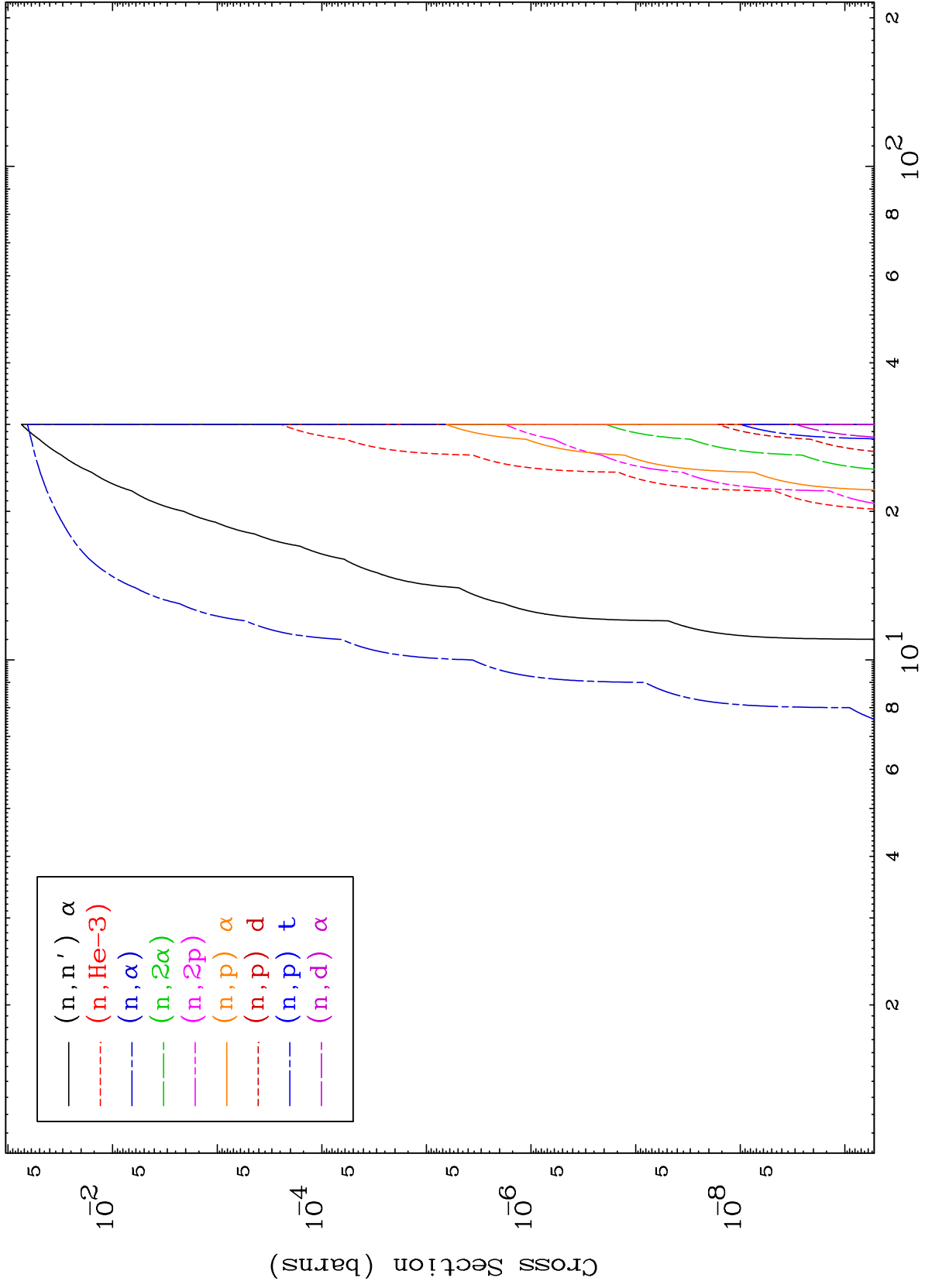




$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections





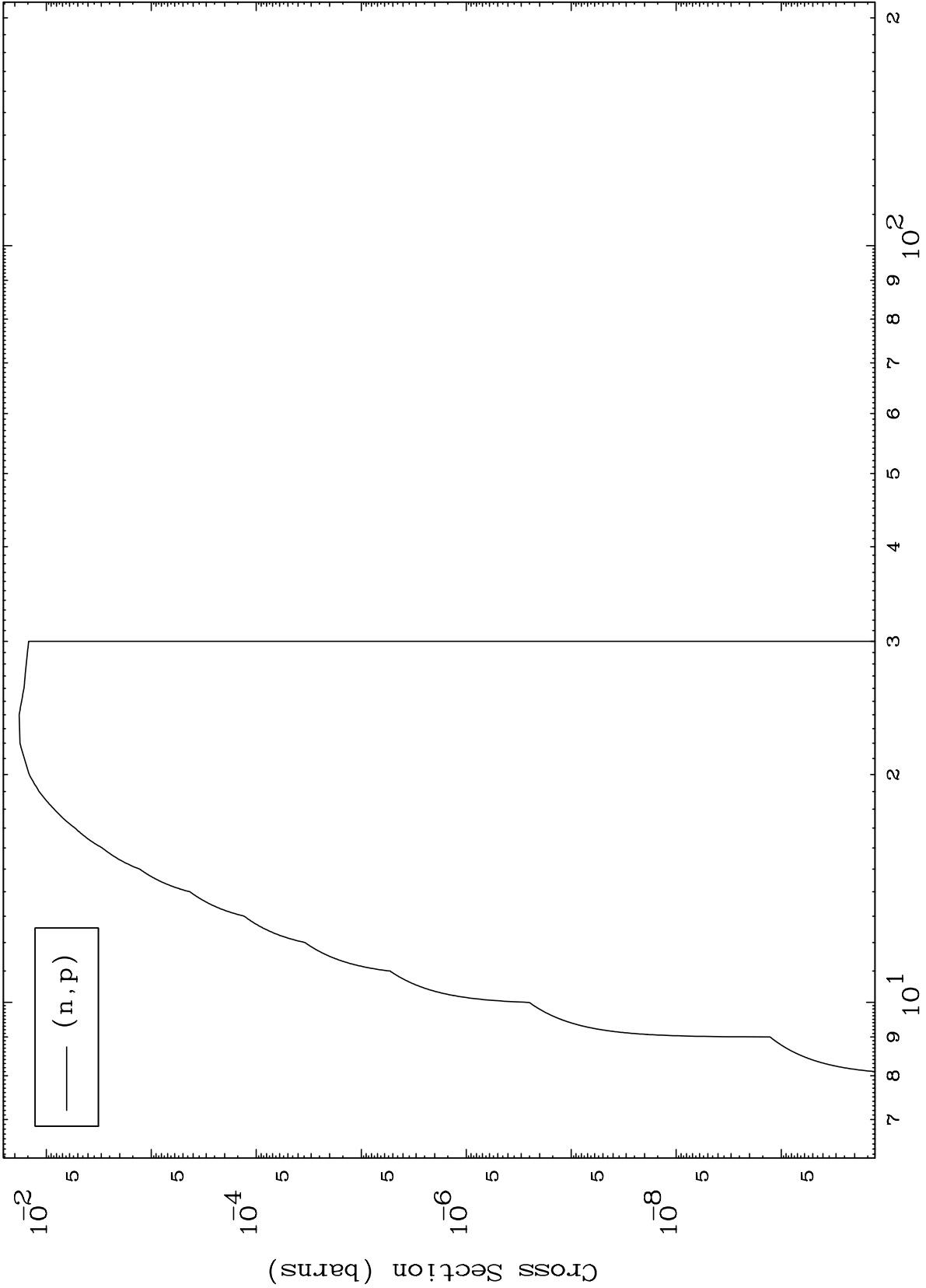


MAT 3840

( $\alpha, p$ ) Levels

38-Sr-89

0 Kelvin Cross Sections



7

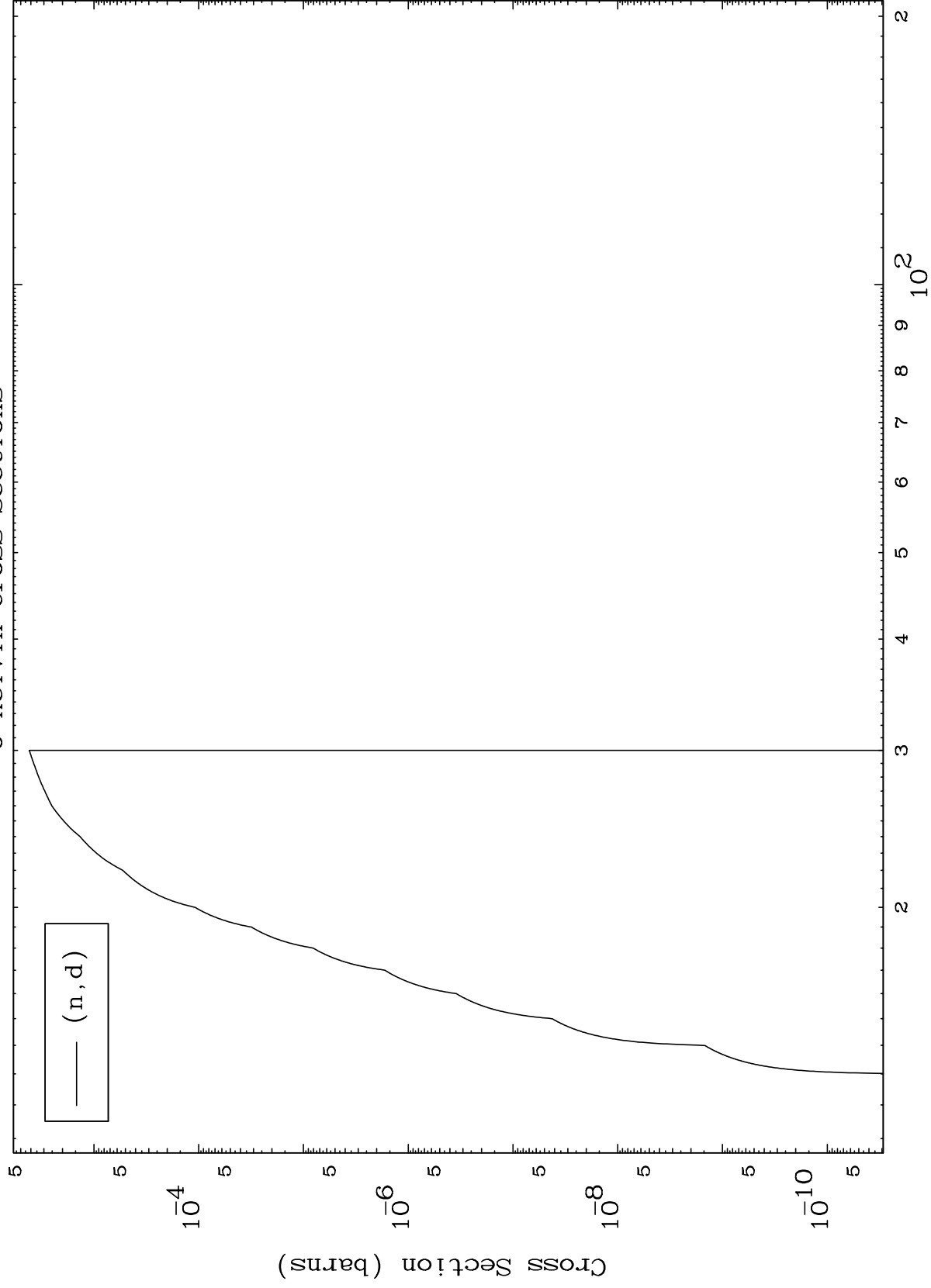
Incident Energy (MeV)

38-Sr-89

MAT 3840

( $\alpha, d$ ) Levels  
0 Kelvin Cross Sections

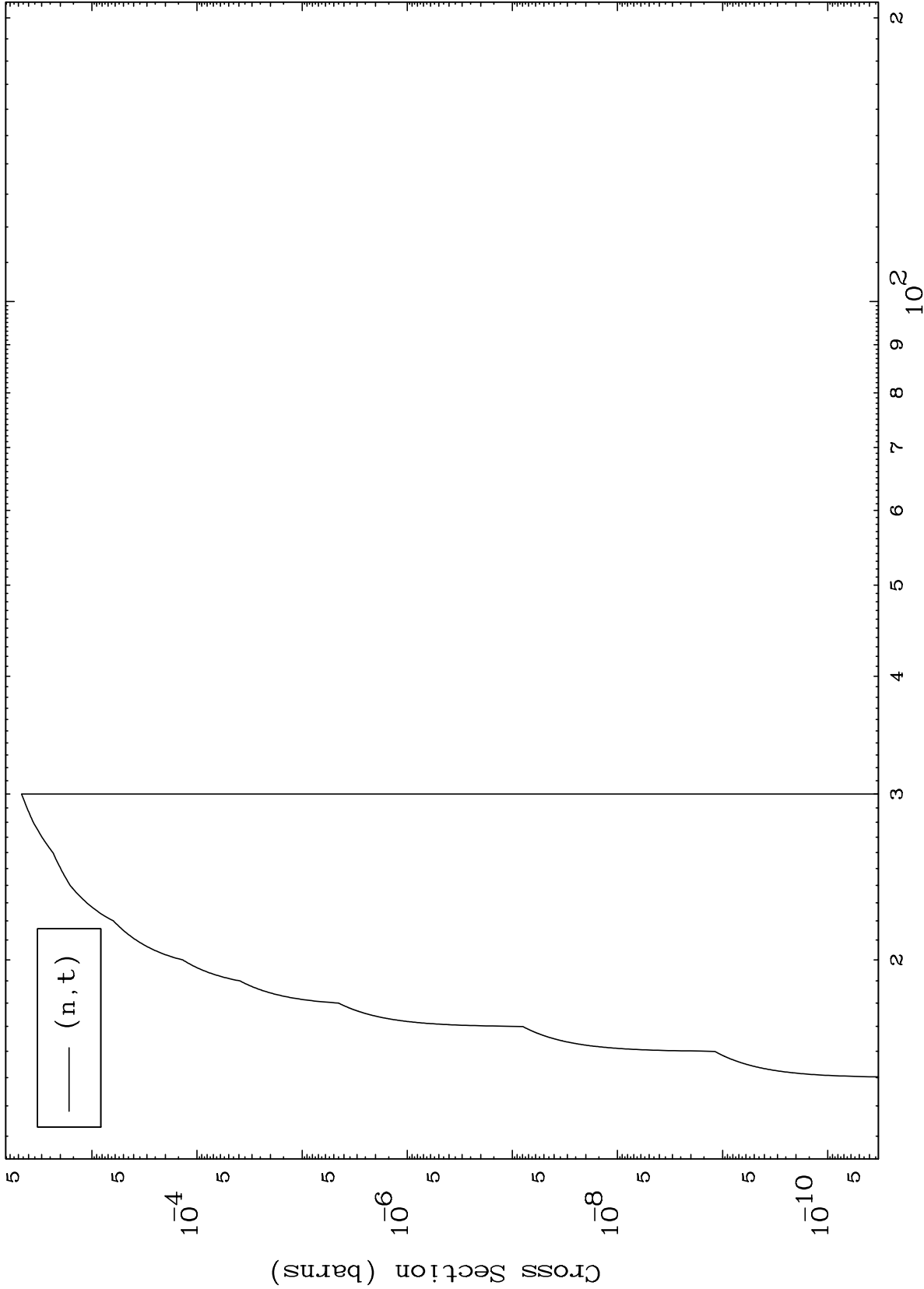
<sup>38</sup>Sr-89



8

Incident Energy (MeV)

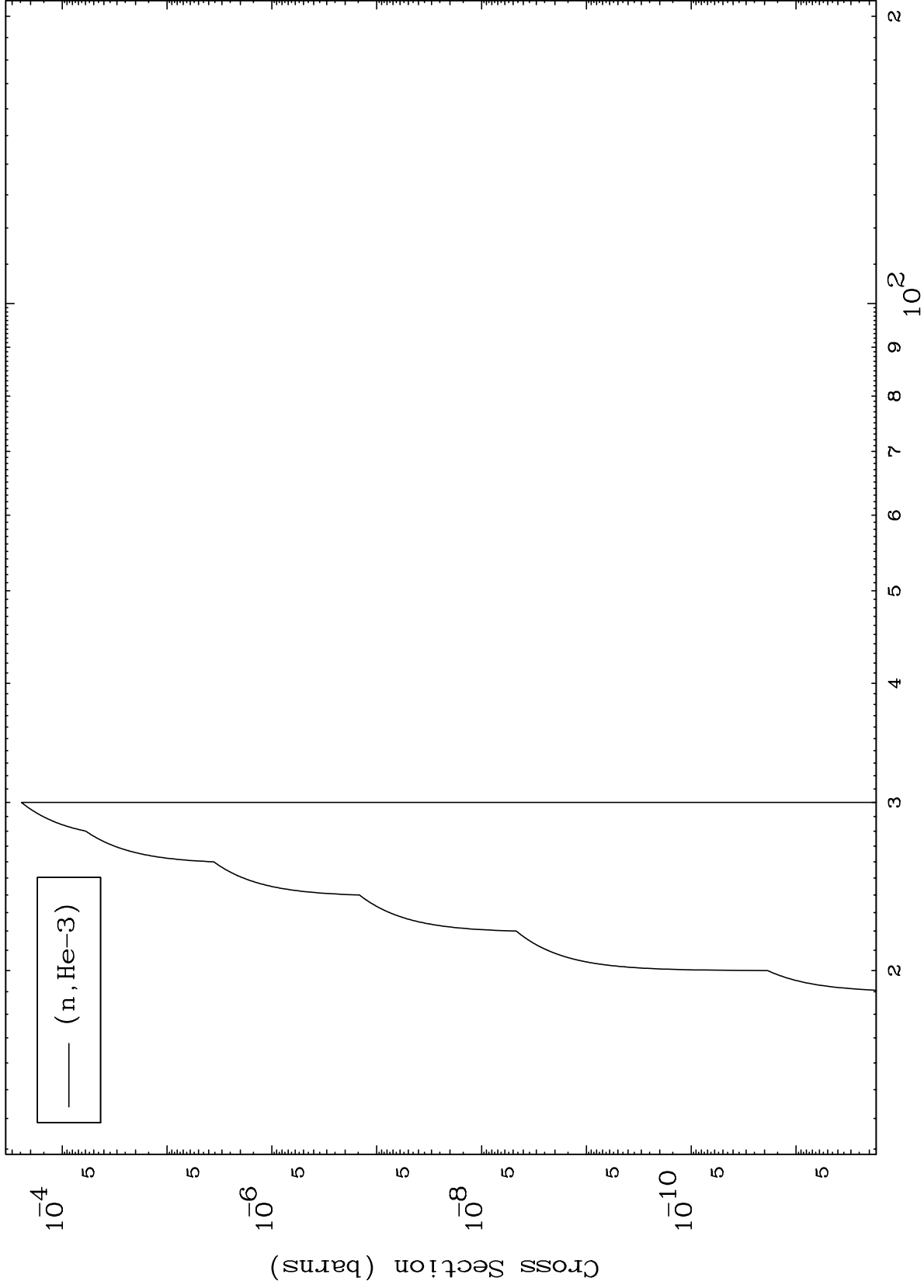
<sup>38</sup>Sr-89



MAT 3840

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

38-Sr-89



10

Incident Energy (MeV)

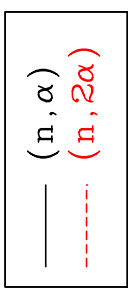
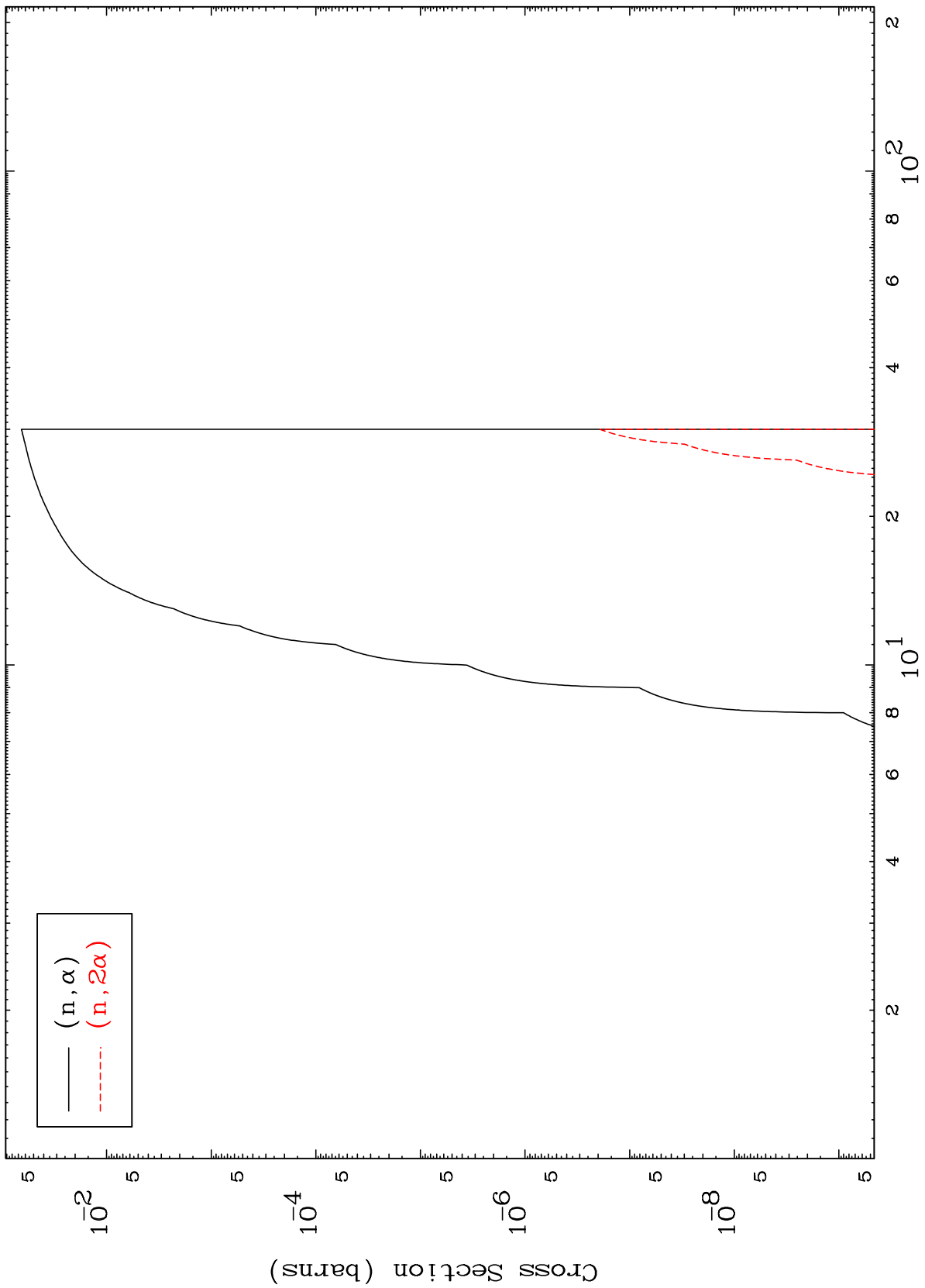
38-Sr-89

MAT 3840

( $\alpha, \alpha$ ) Levels

38-Sr-89

0 Kelvin Cross Sections

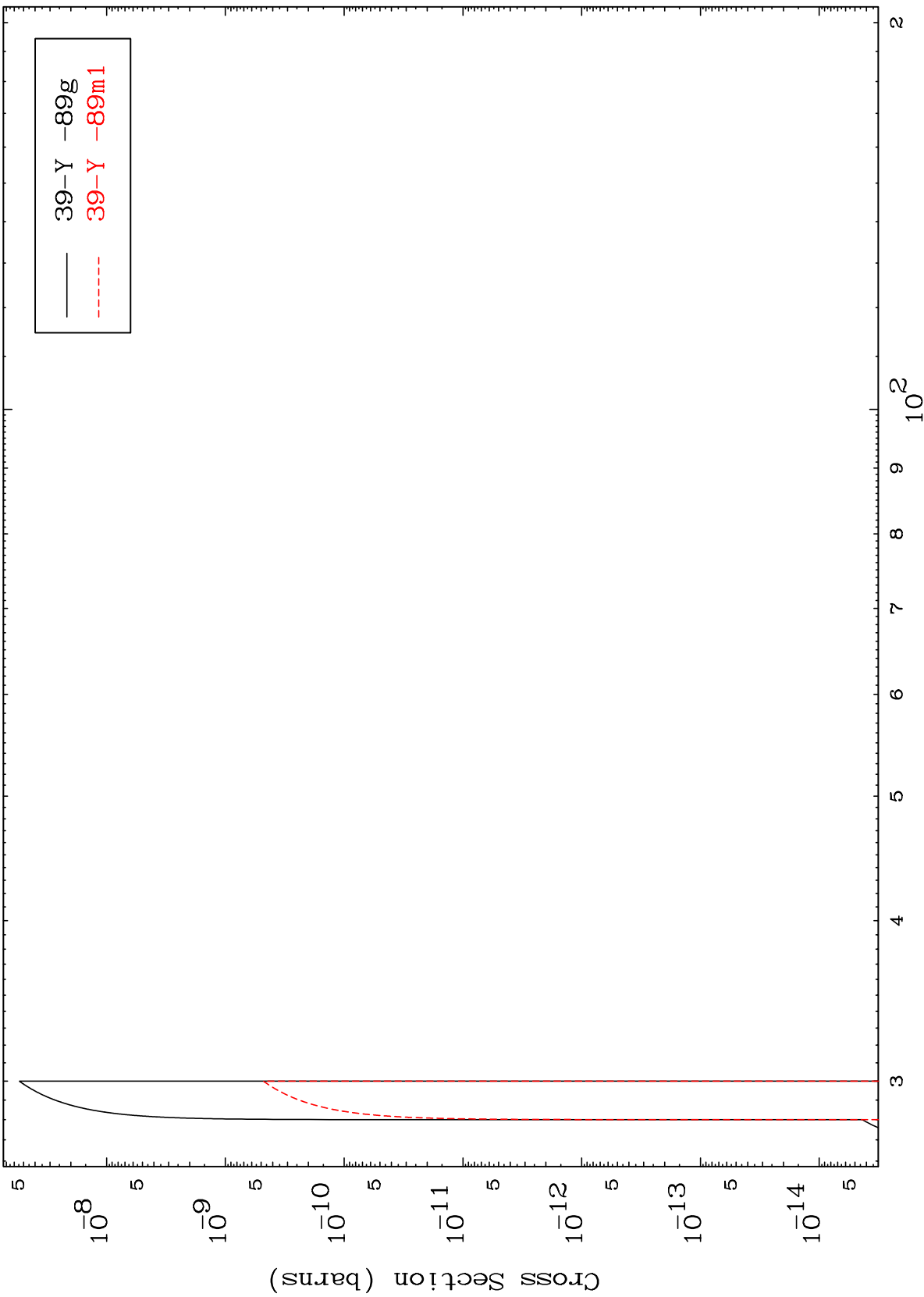


MAT 3840

(n,2n) d

38-Sr-89

Radionuclide Production Cross Section



12

Incident Energy (MeV)

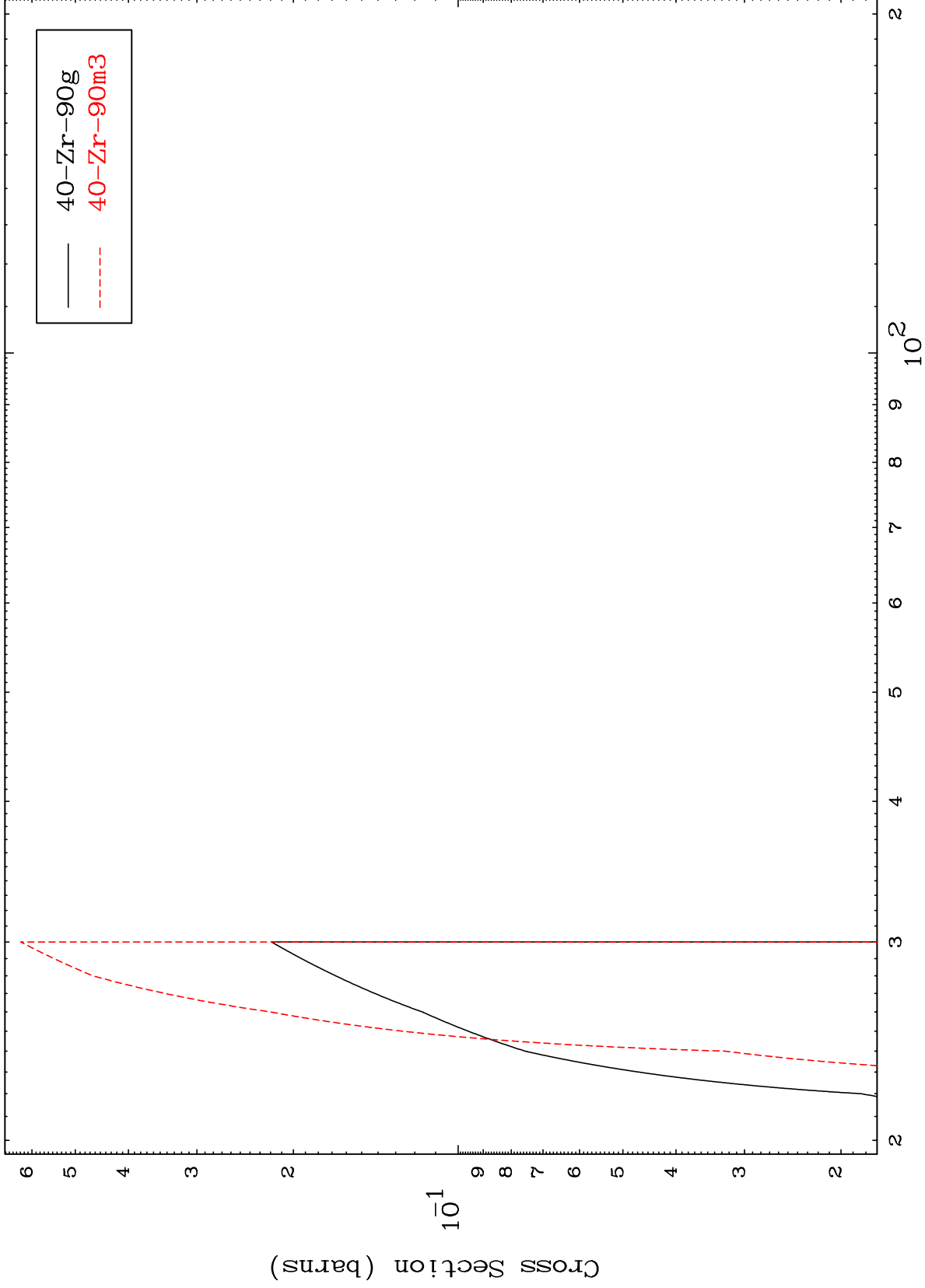
38-Sr-89

MAT 3840

(n,3n)

38-Sr-89

Radionuclide Production Cross Section



13

Incident Energy (MeV)

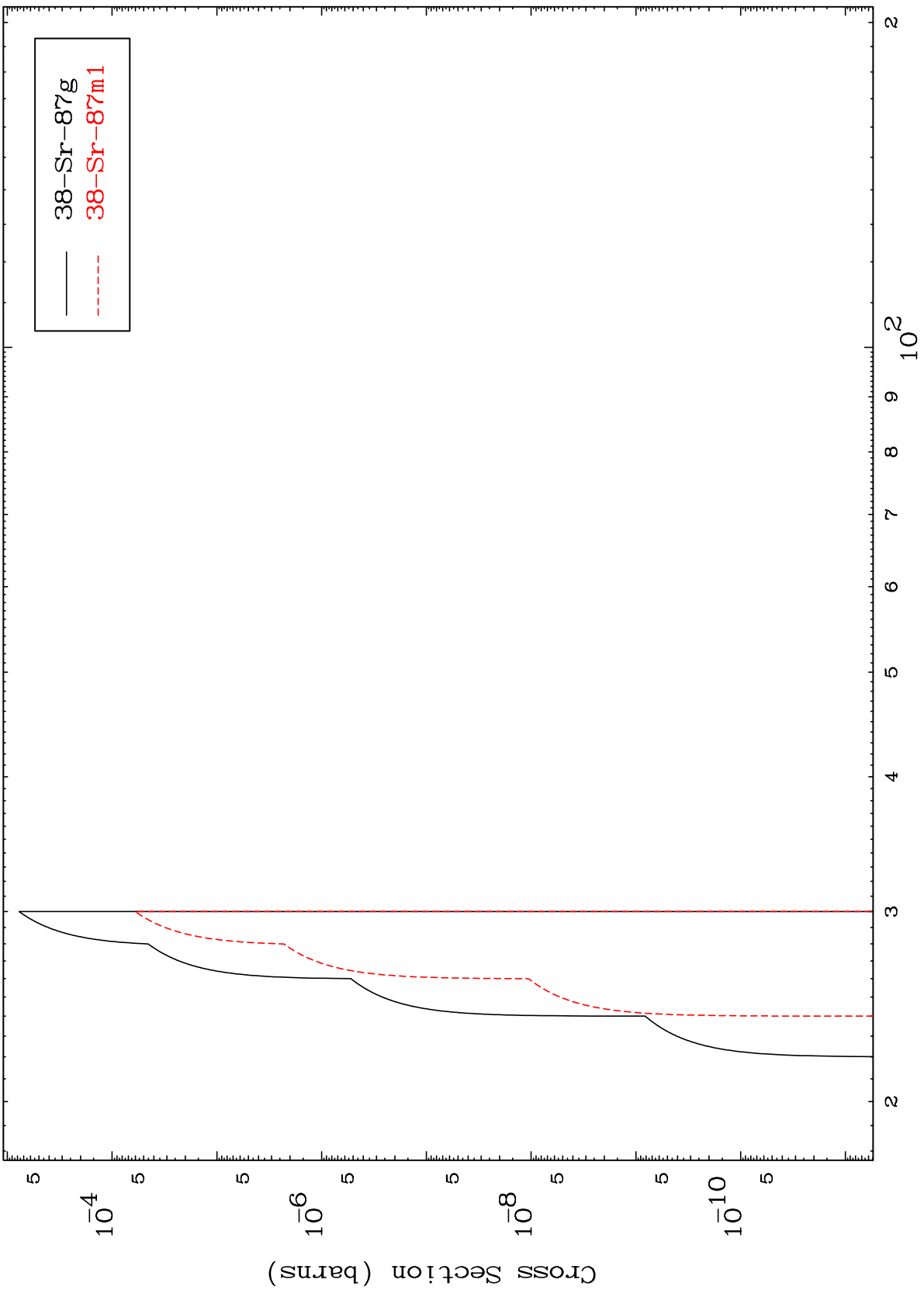
38-Sr-89

MAT 3840

$(n,2n) \alpha$

$^{38}\text{Sr}-89$

Radionuclide Production Cross Section



14

Incident Energy (MeV)

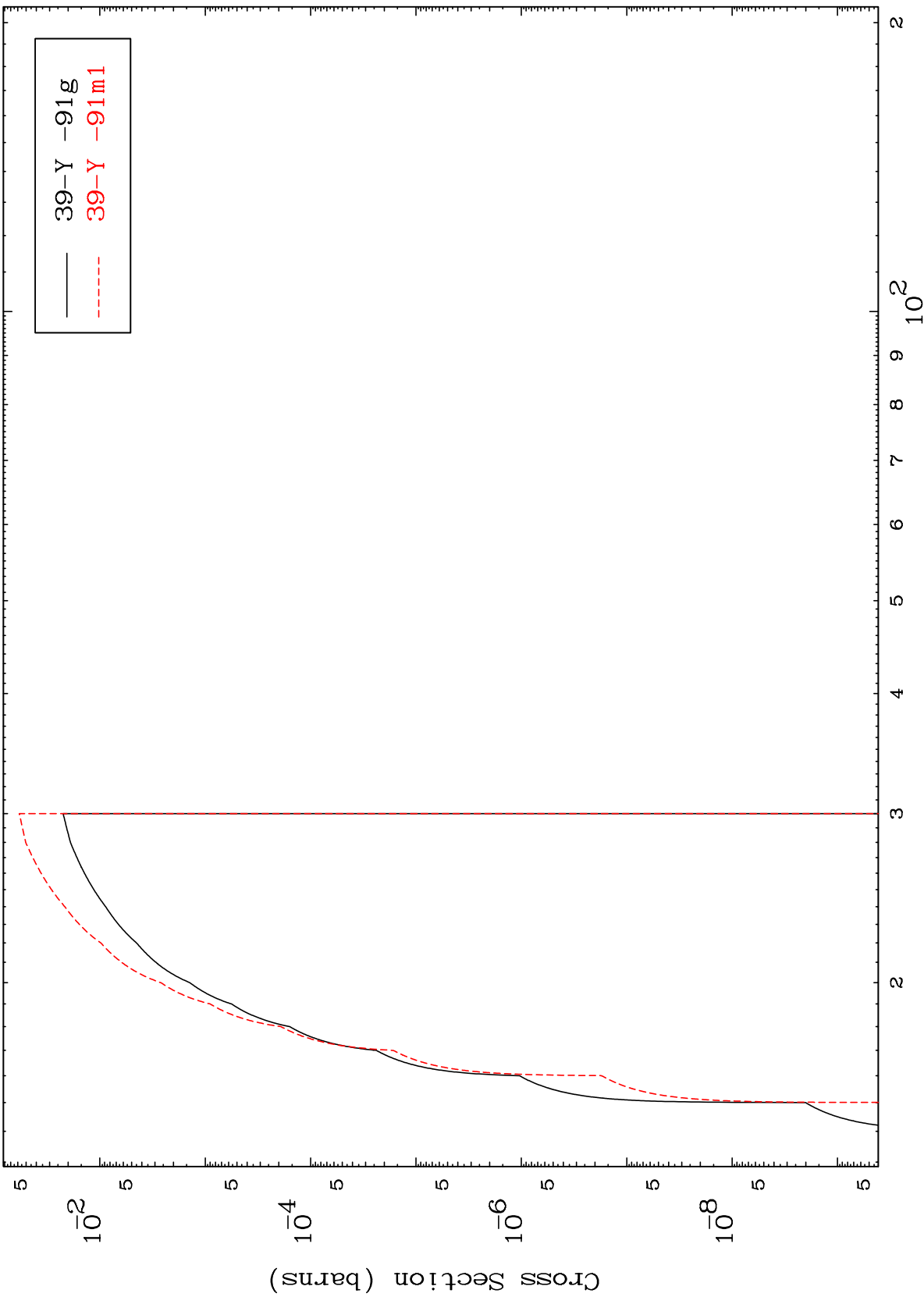
$^{38}\text{Sr}-89$

MAT 3840

(n,n') p

38-Sr-89

Radionuclide Production Cross Section



15

Incident Energy (MeV)

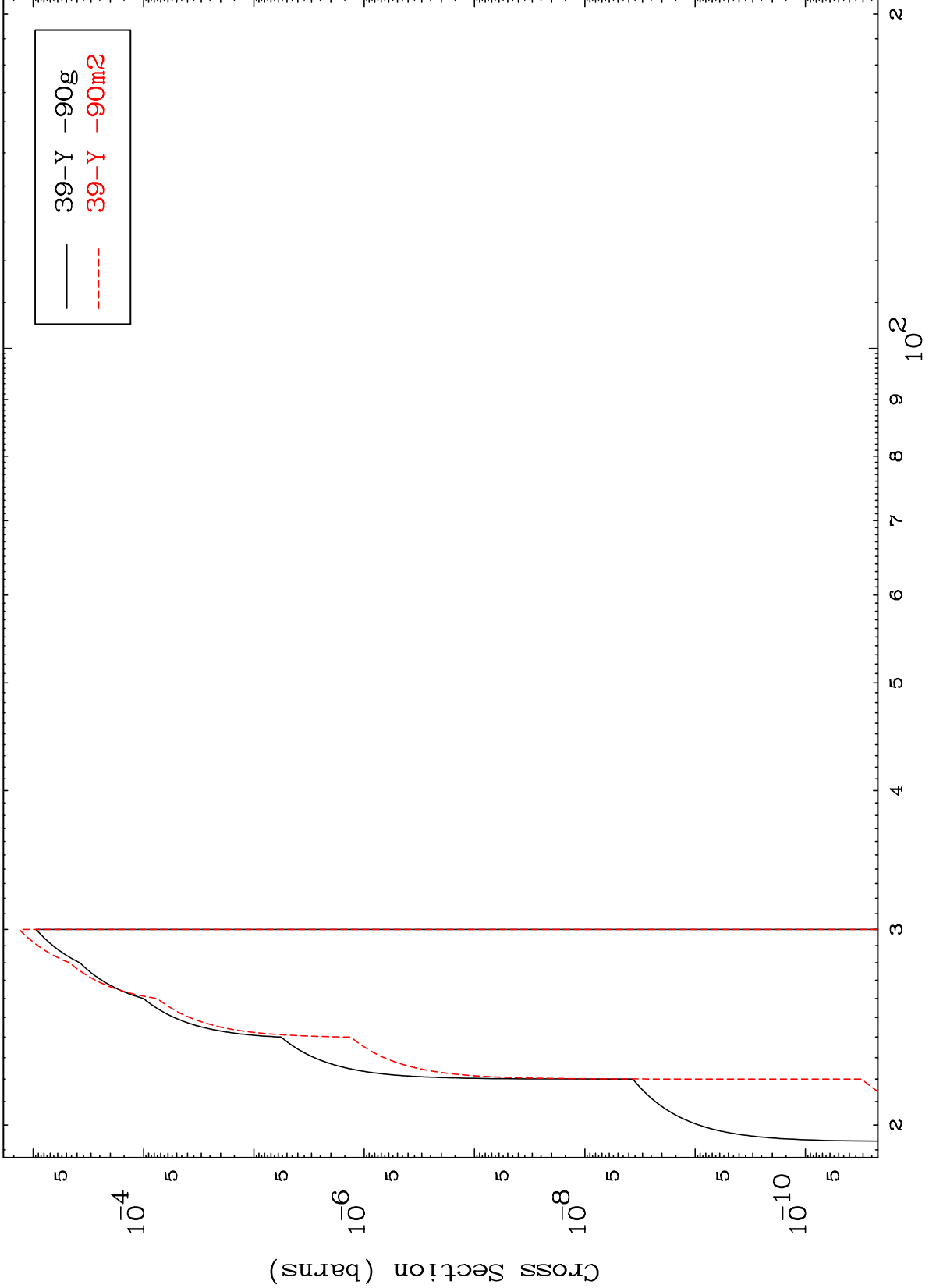
38-Sr-89

MAT 3840

(n,n') d

38-Sr-89

Radionuclide Production Cross Section



16

Incident Energy (MeV)

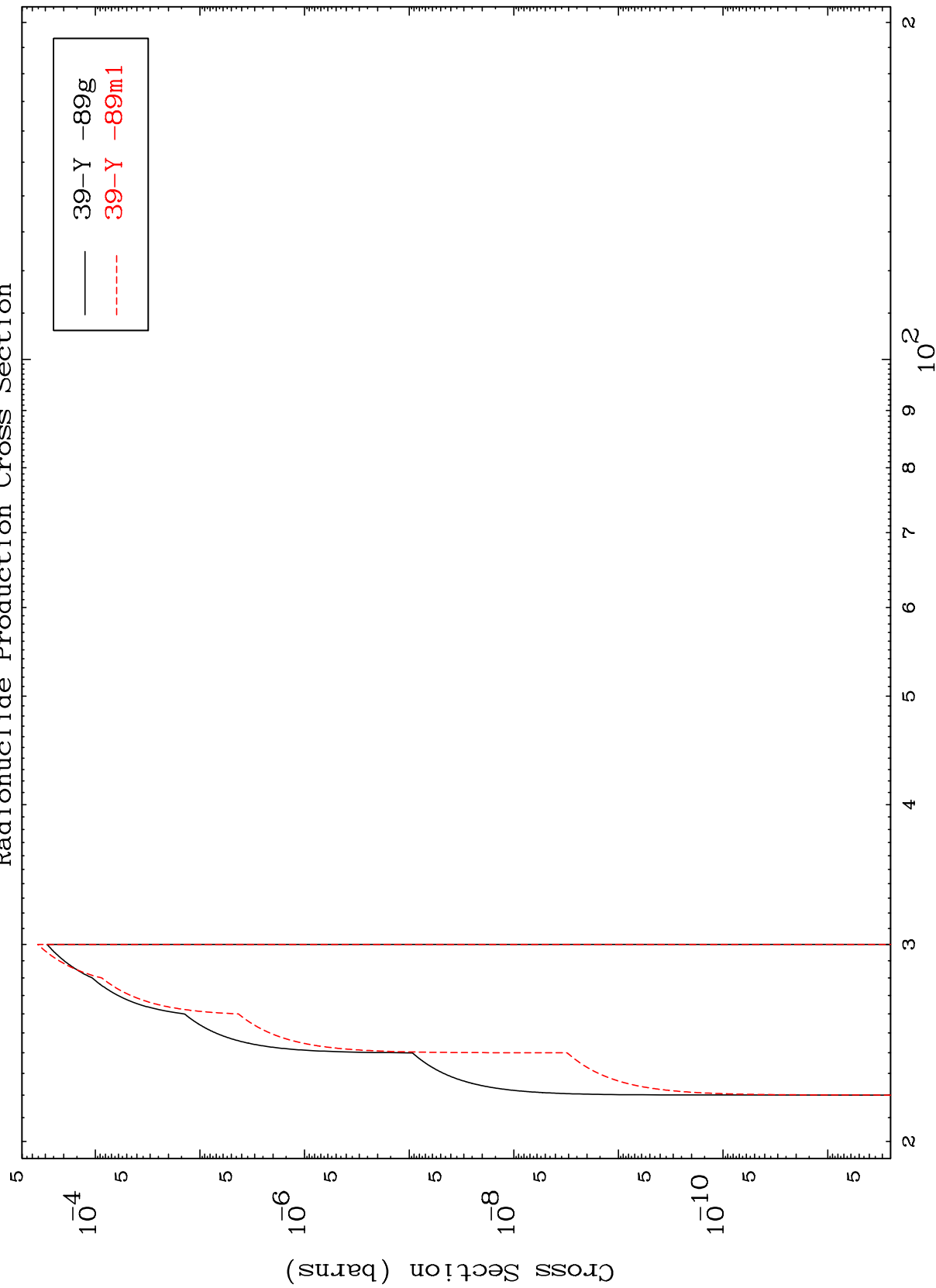
38-Sr-89

MAT 3840

(n,n') t

38-Sr-89

Radionuclide Production Cross Section



17

Incident Energy (MeV)

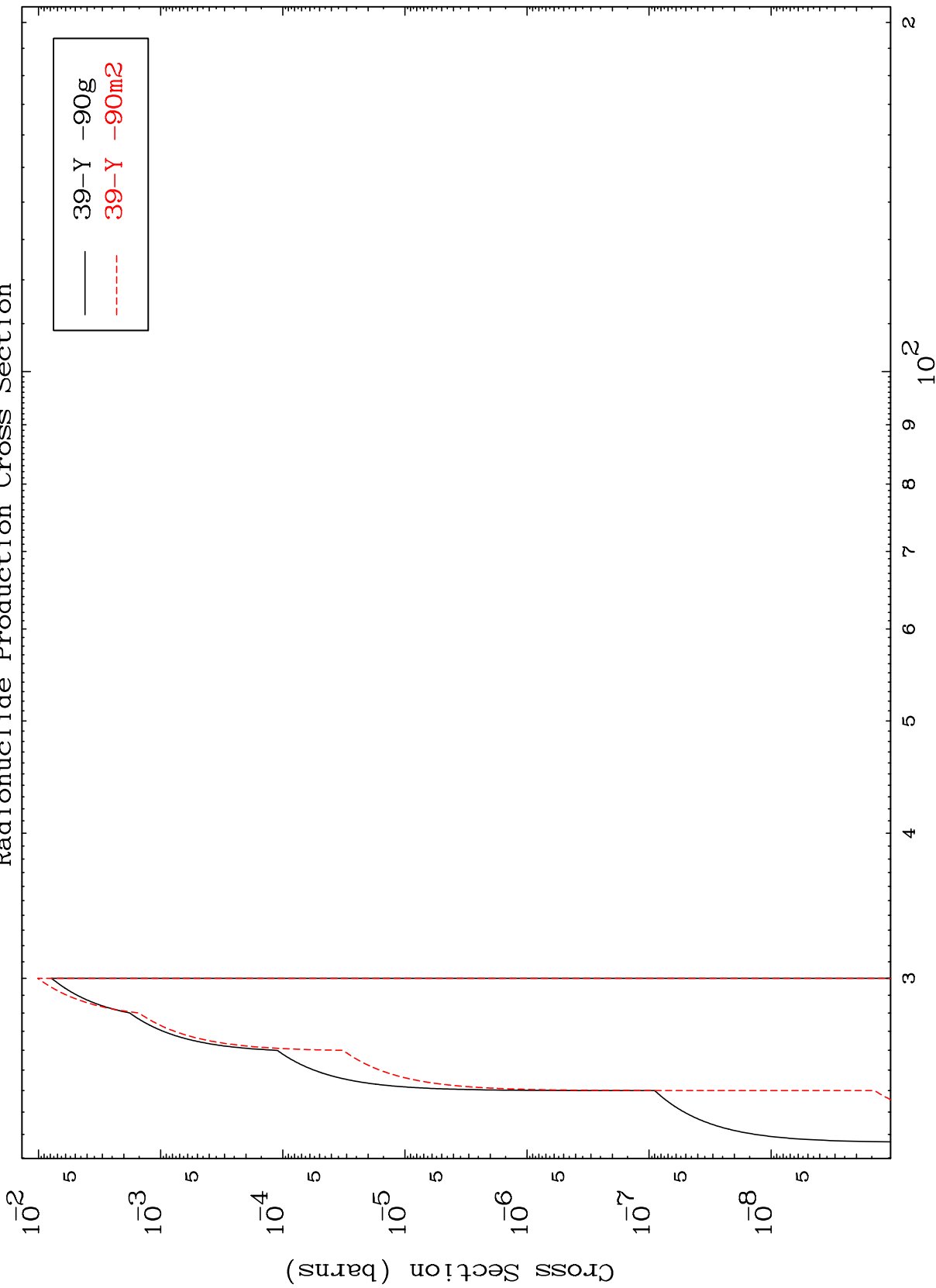
38-Sr-89

MAT 3840

(n,2n) p

38-Sr-89

Radionuclide Production Cross Section

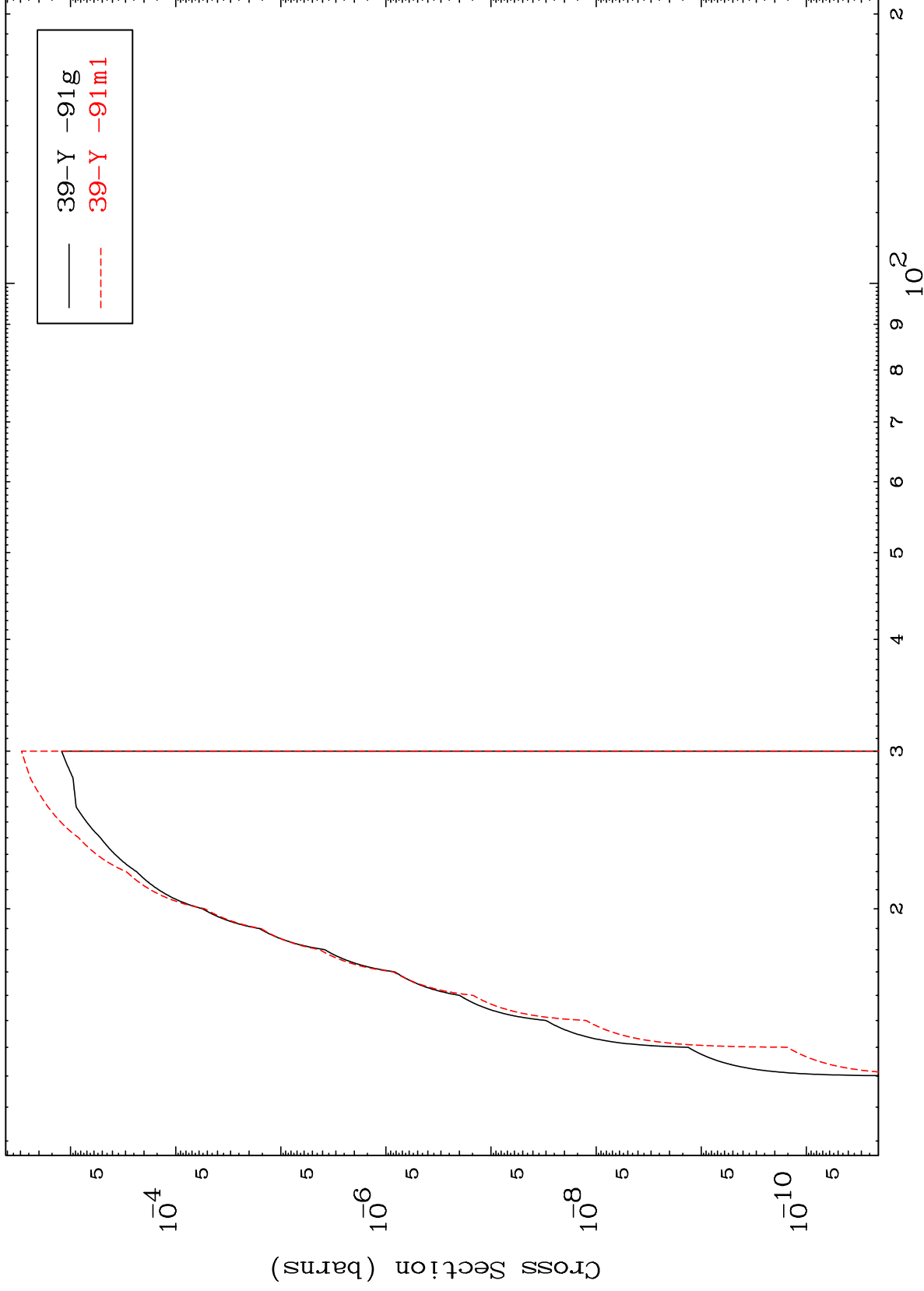


18

Incident Energy (MeV)

38-Sr-89

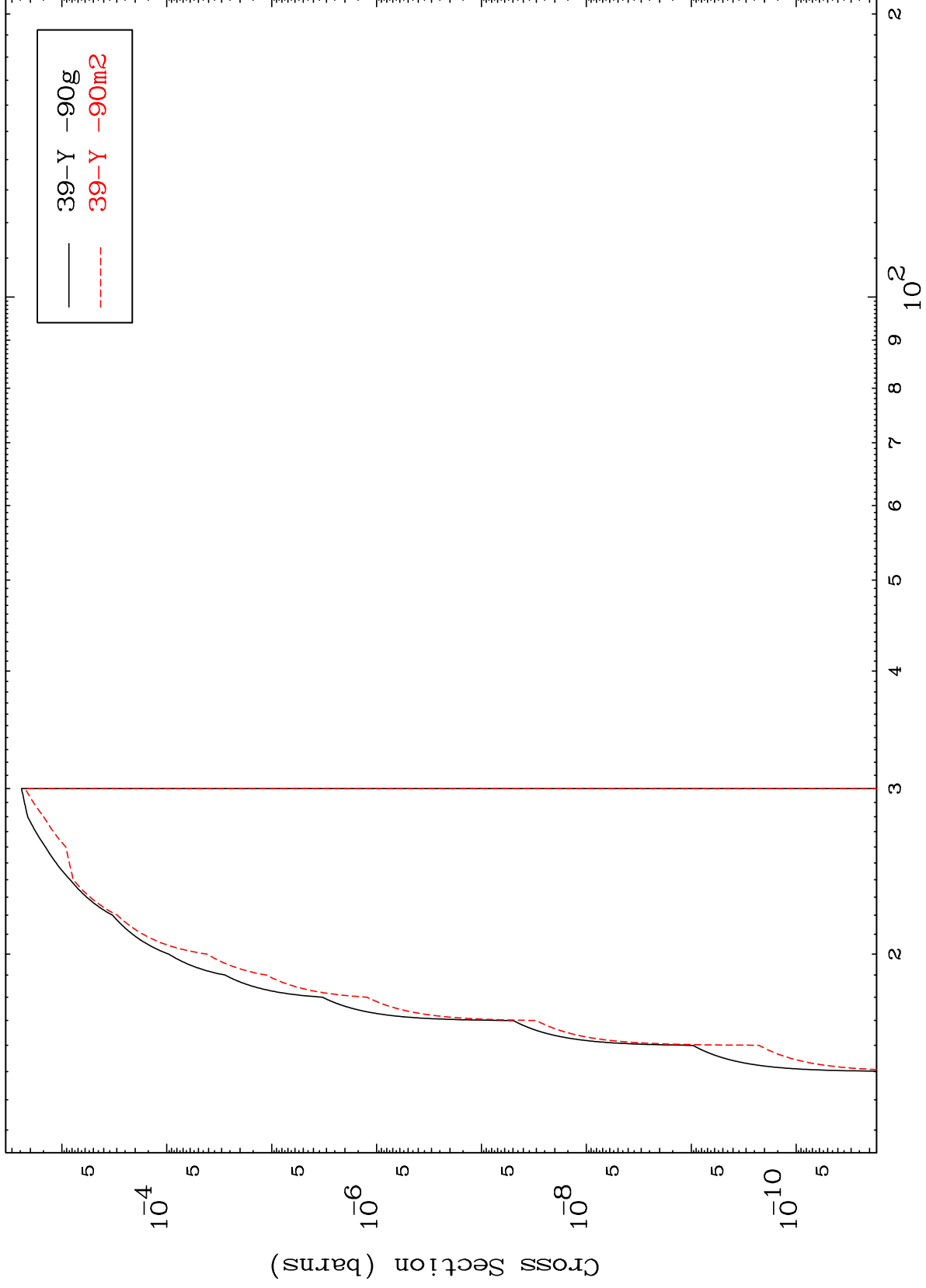
(n,d)  
Radionuclide Production Cross Section



MAT 3840

38-Sr-89

(n,t)  
Radionuclide Production Cross Section



39-Y -90g  
39-Y -90m2

20

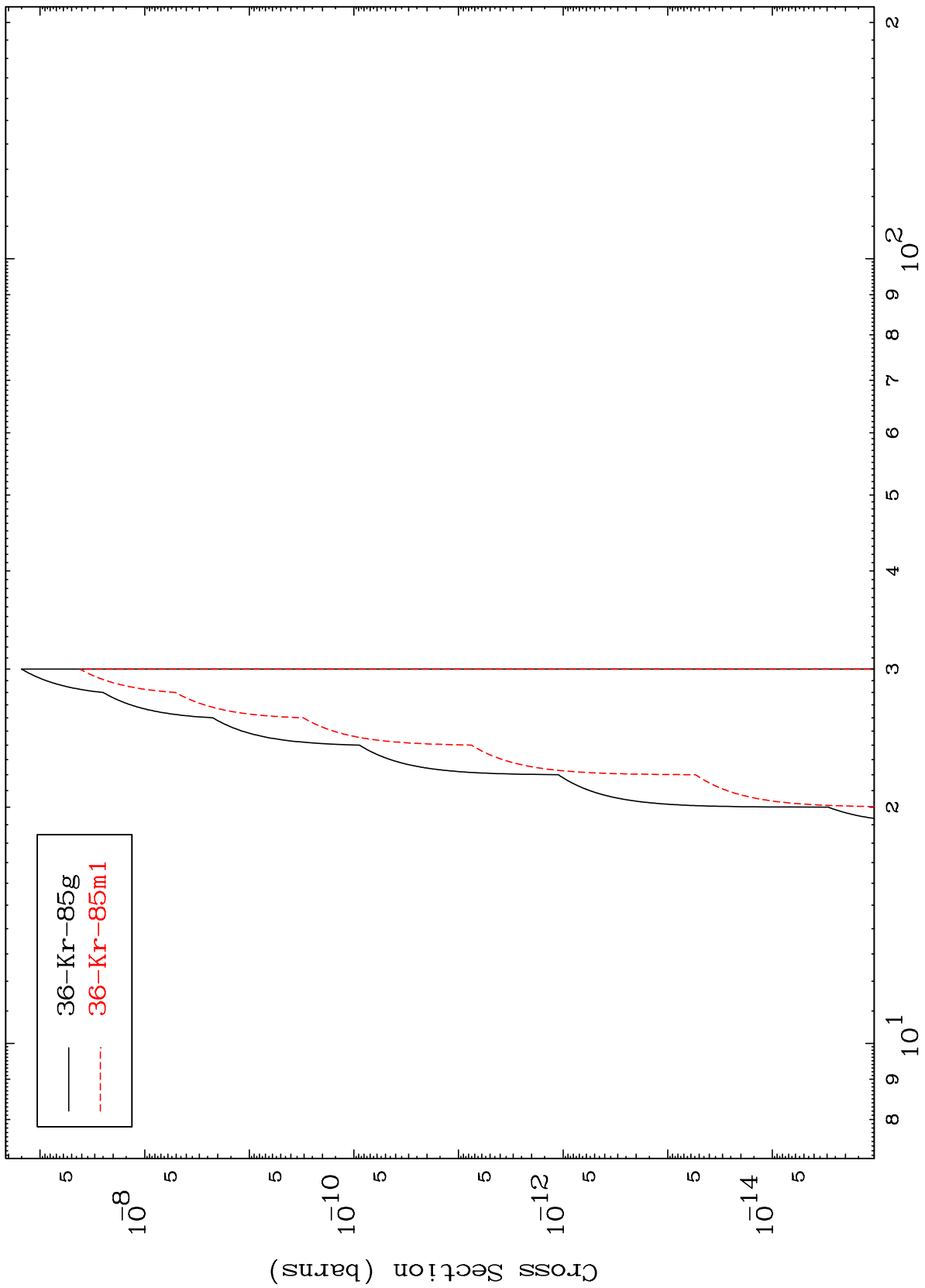
Incident Energy (MeV)

38-Sr-89

MAT 3840

38-Sr-89

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



21

Incident Energy (MeV)

38-Sr-89