

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

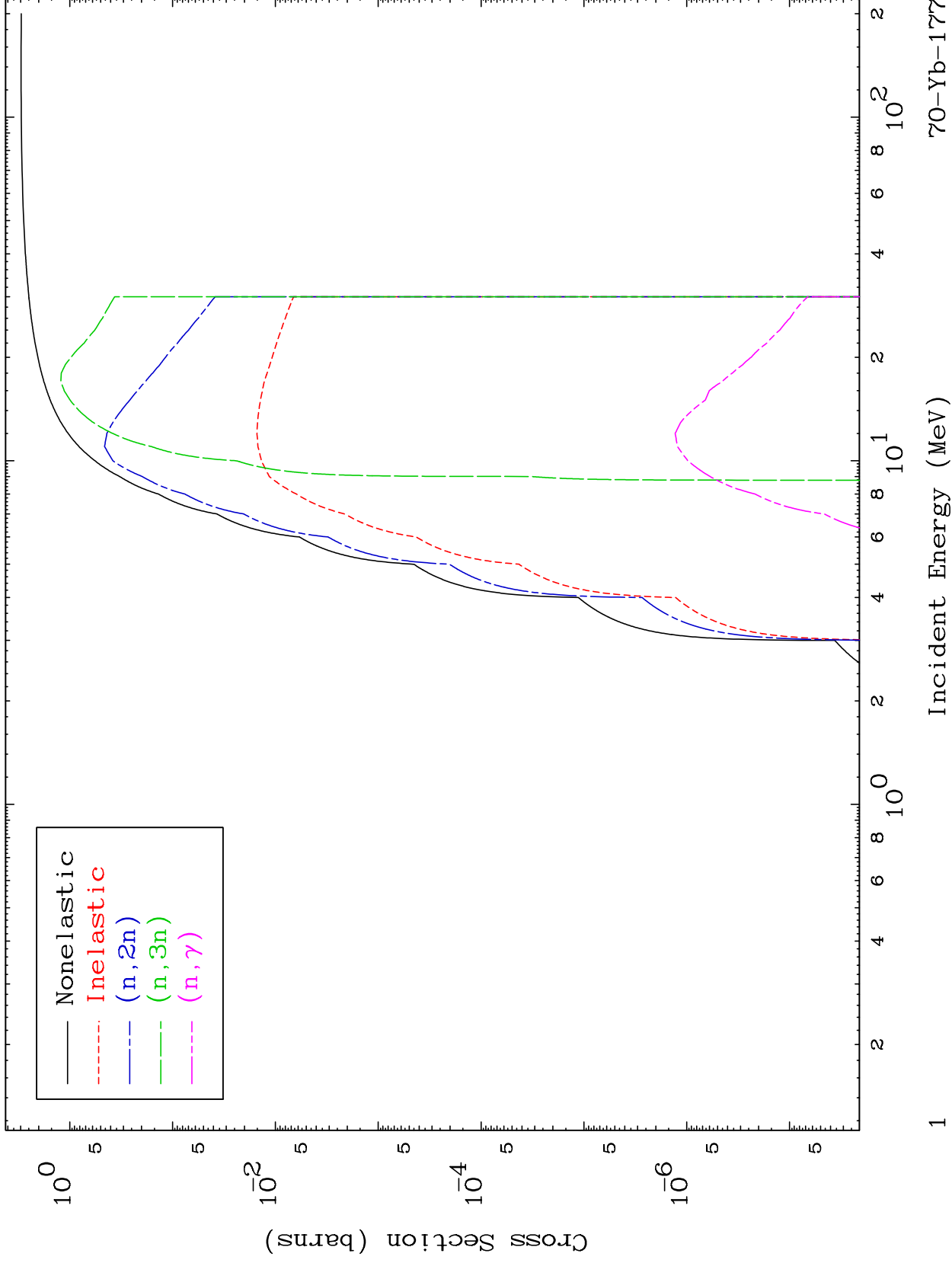
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Web:redcullen1.net/HOMEPAGE.NEW

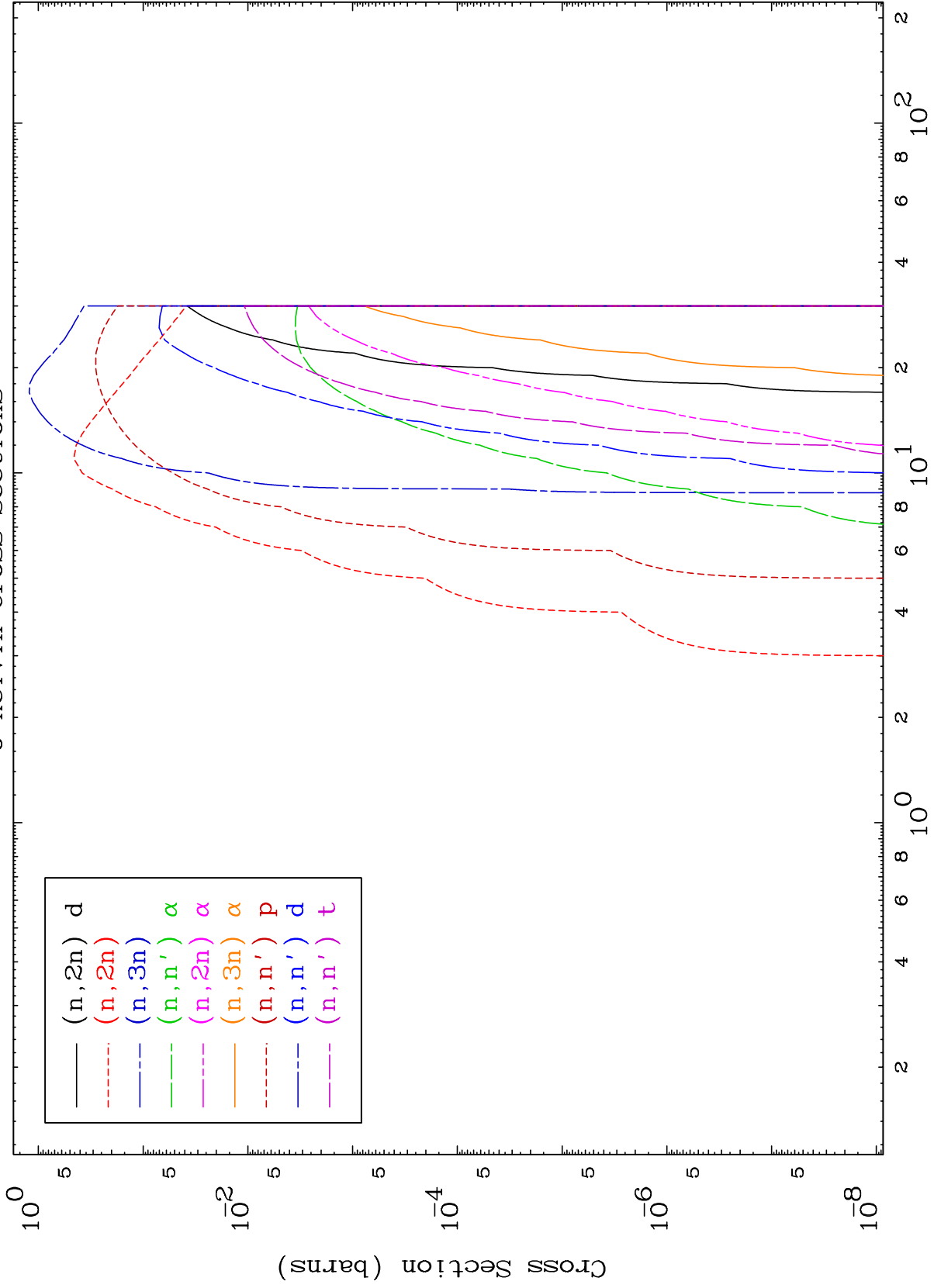
Press Mouse Button to Start

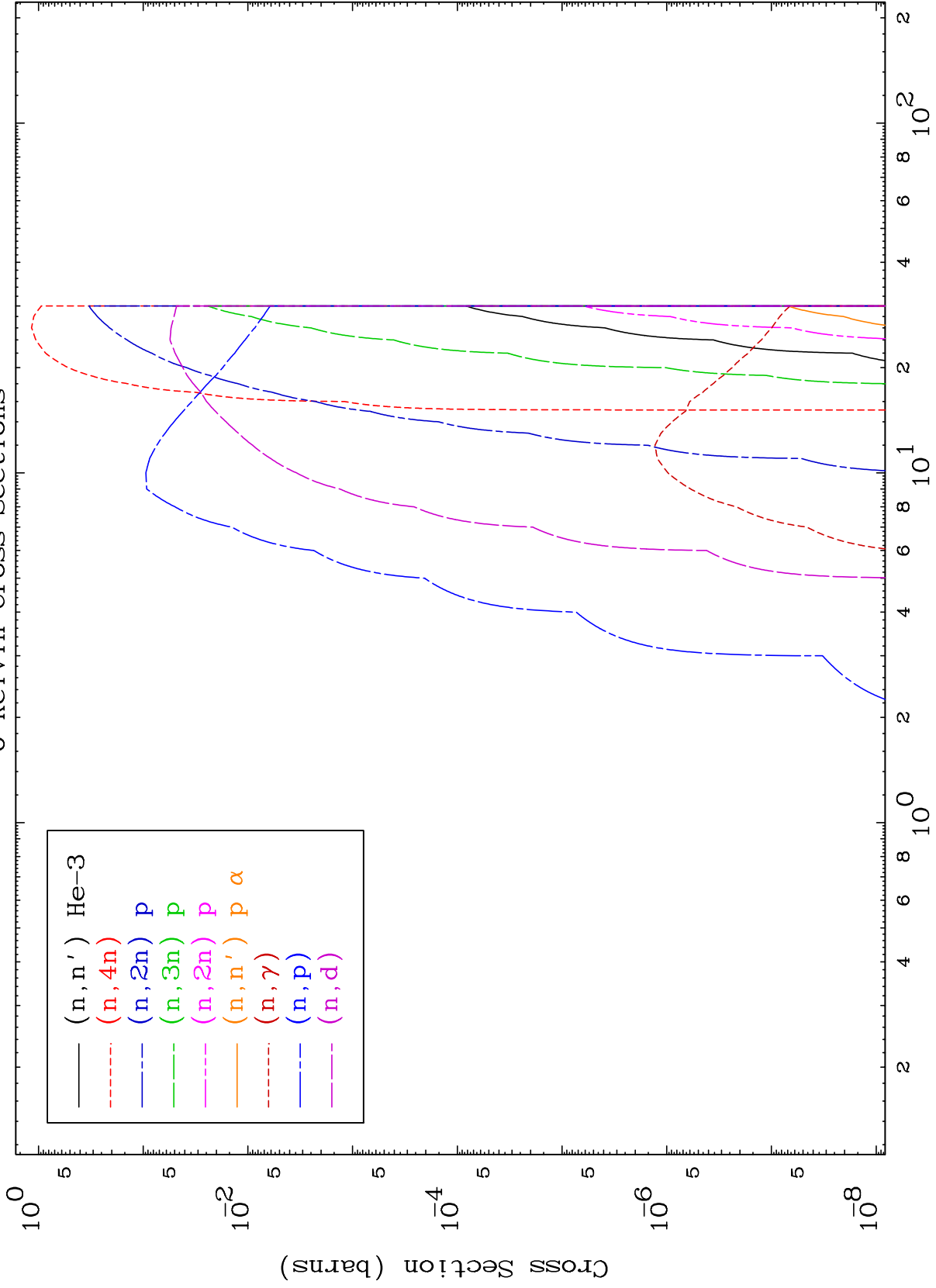


MAT 7052

Deuteron Neutron Absorption  
0 Kelvin Cross Sections

70-Yb-177

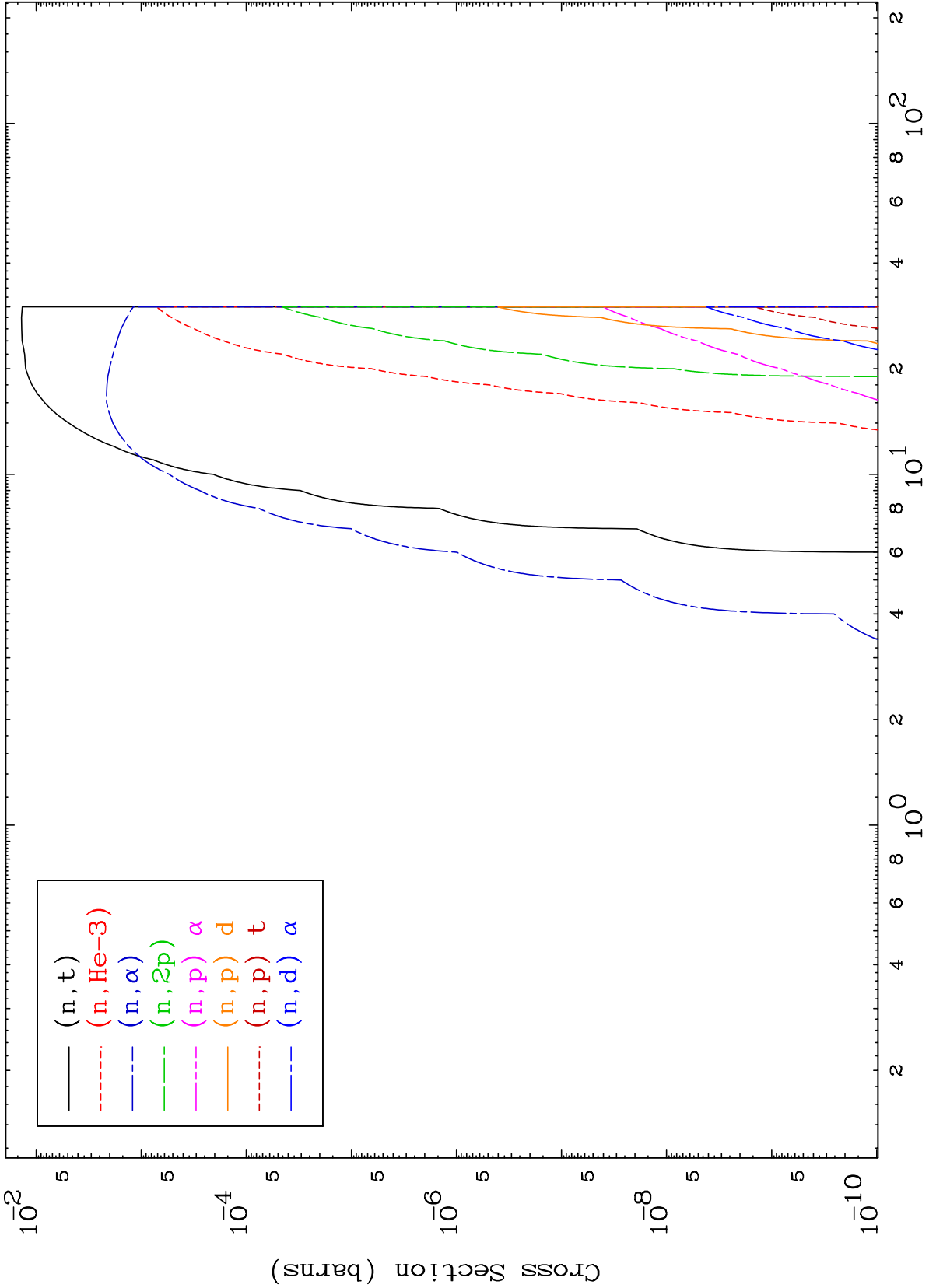




MAT 7052

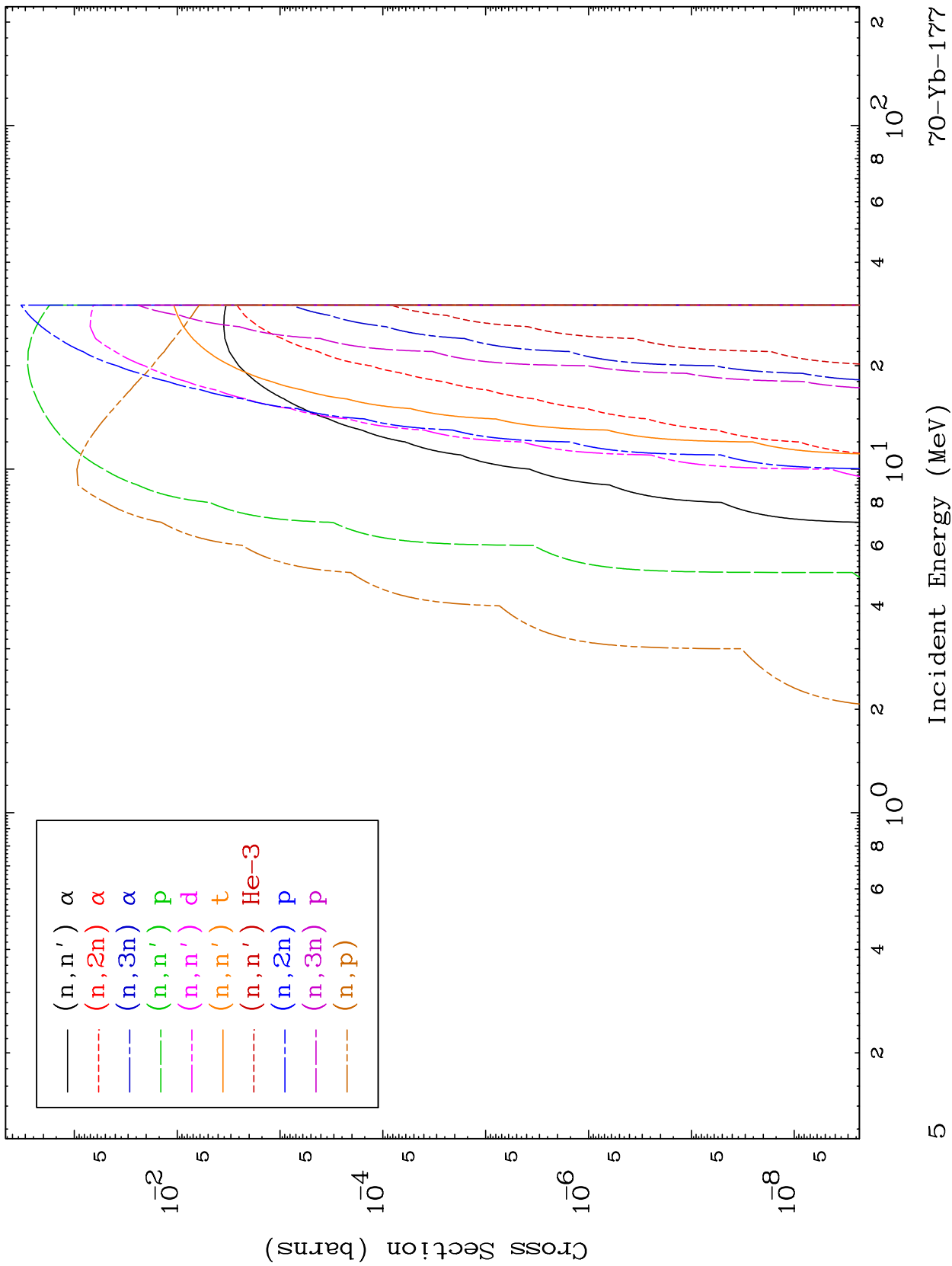
Deuteron Neutron Absorption  
0 Kelvin Cross Sections

70-Yb-177



70-Yb-177

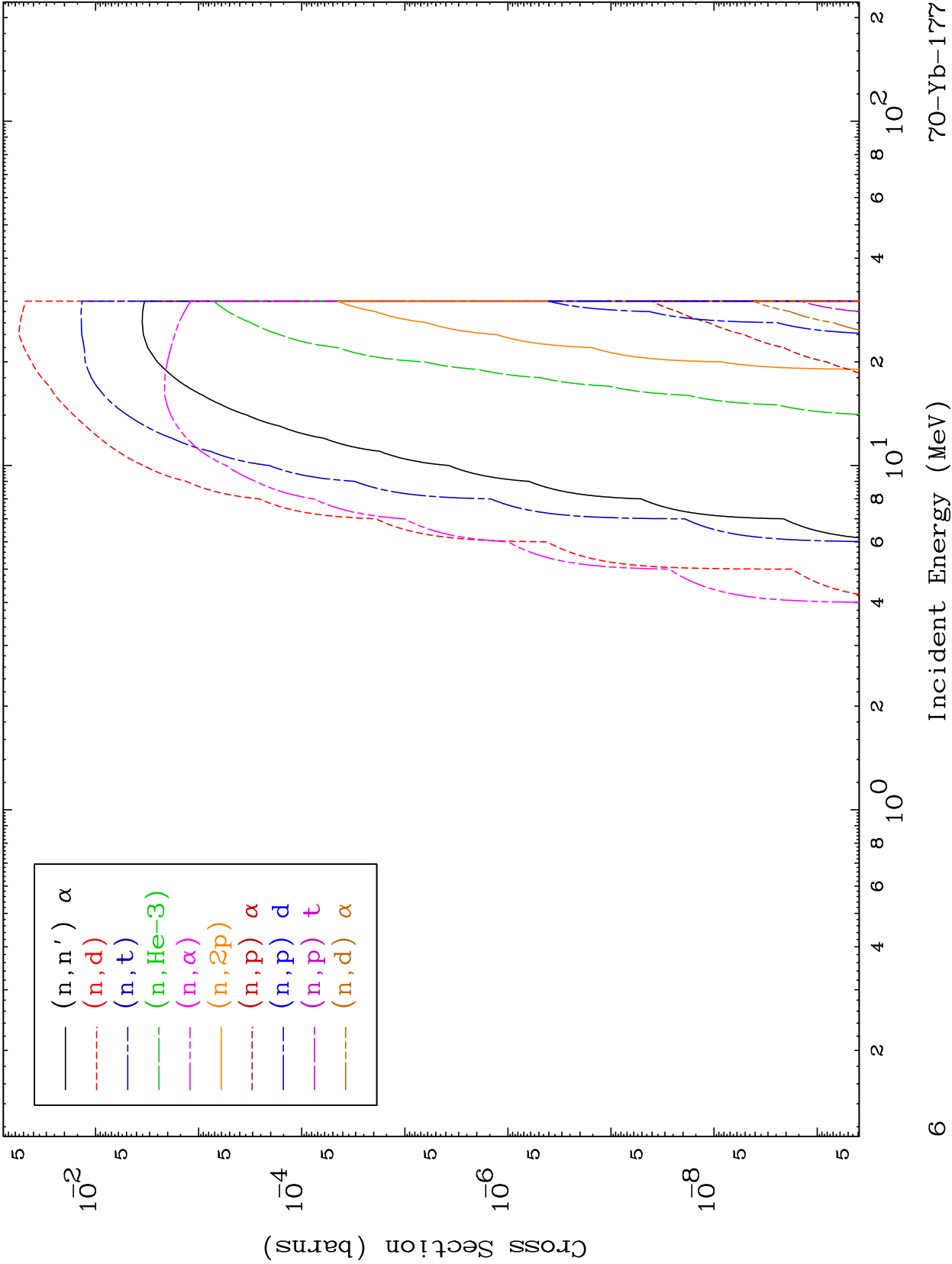
Incident Energy (MeV)



MAT 7052

Deuteron Charged Particle  
0 Kelvin Cross Sections

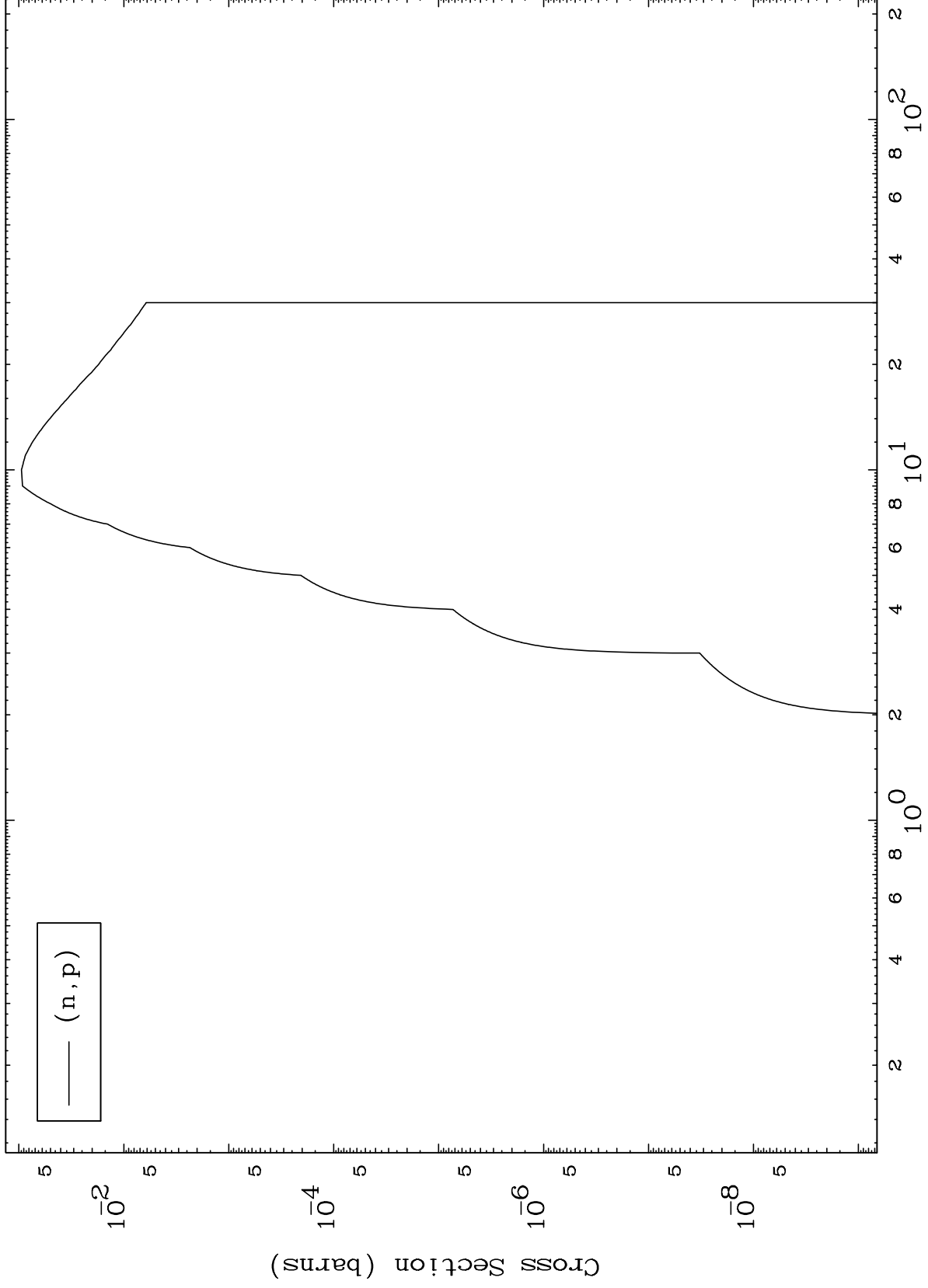
70-Yb-177



MAT 7052

(d,p) Levels  
0 Kelvin Cross Sections

70-Yb-177

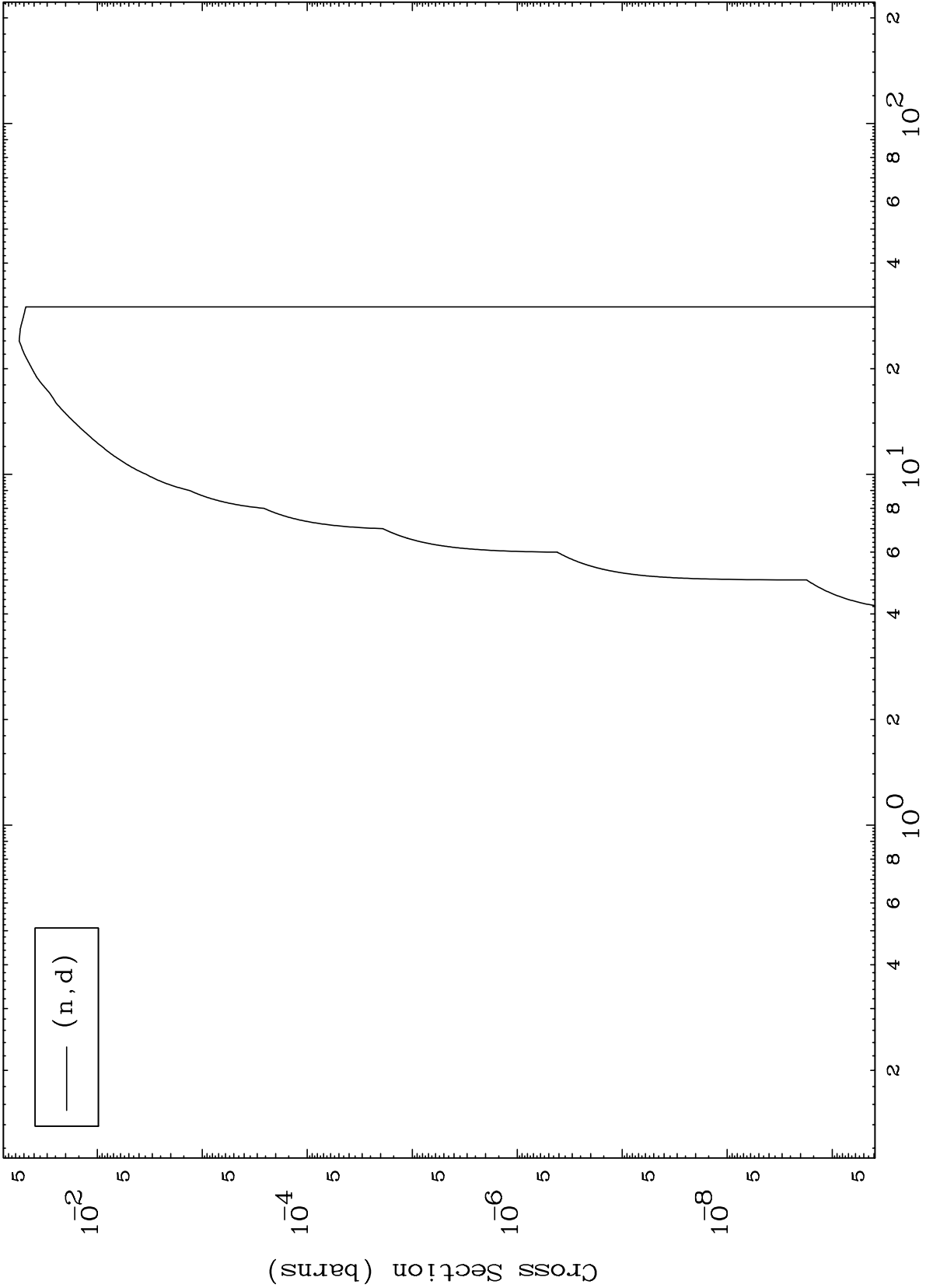


MAT 7052

(d,d) Levels

70-Yb-177

0 Kelvin Cross Sections

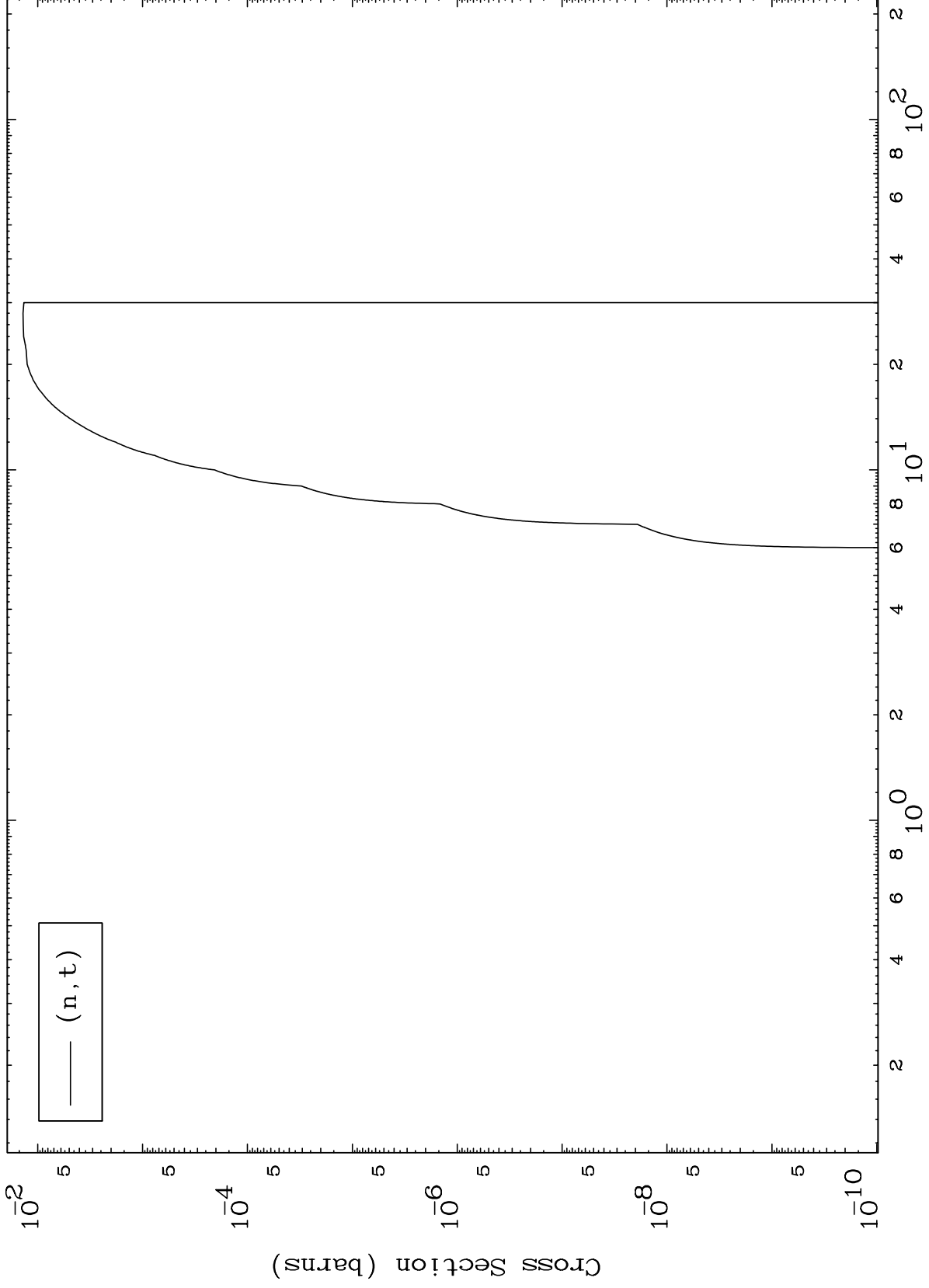


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(d,t) Levels

70-Yb-177

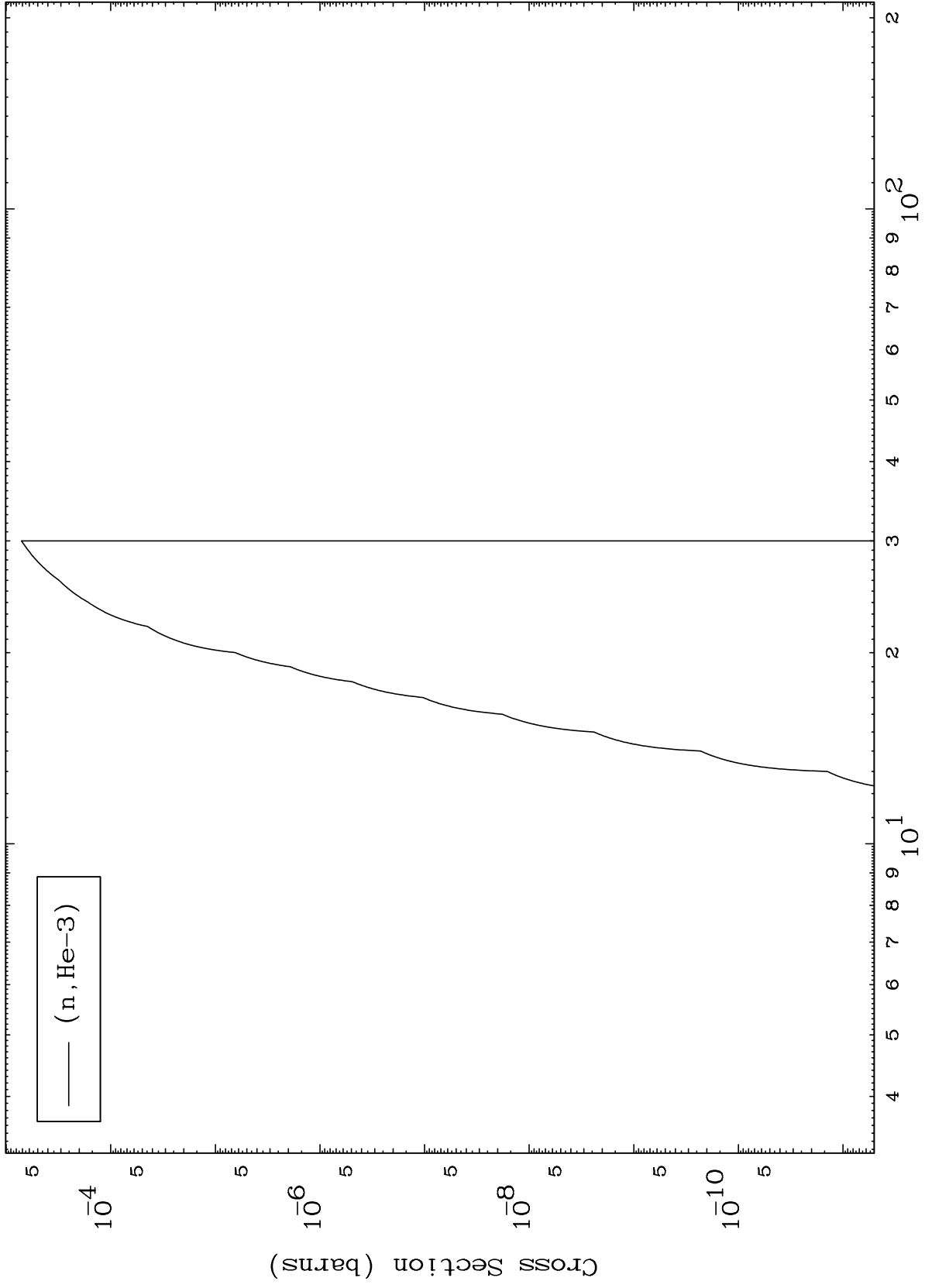
0 Kelvin Cross Sections



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(d,He3) Levels  
0 Kelvin Cross Sections

70-Yb-177



10

Incident Energy (MeV)

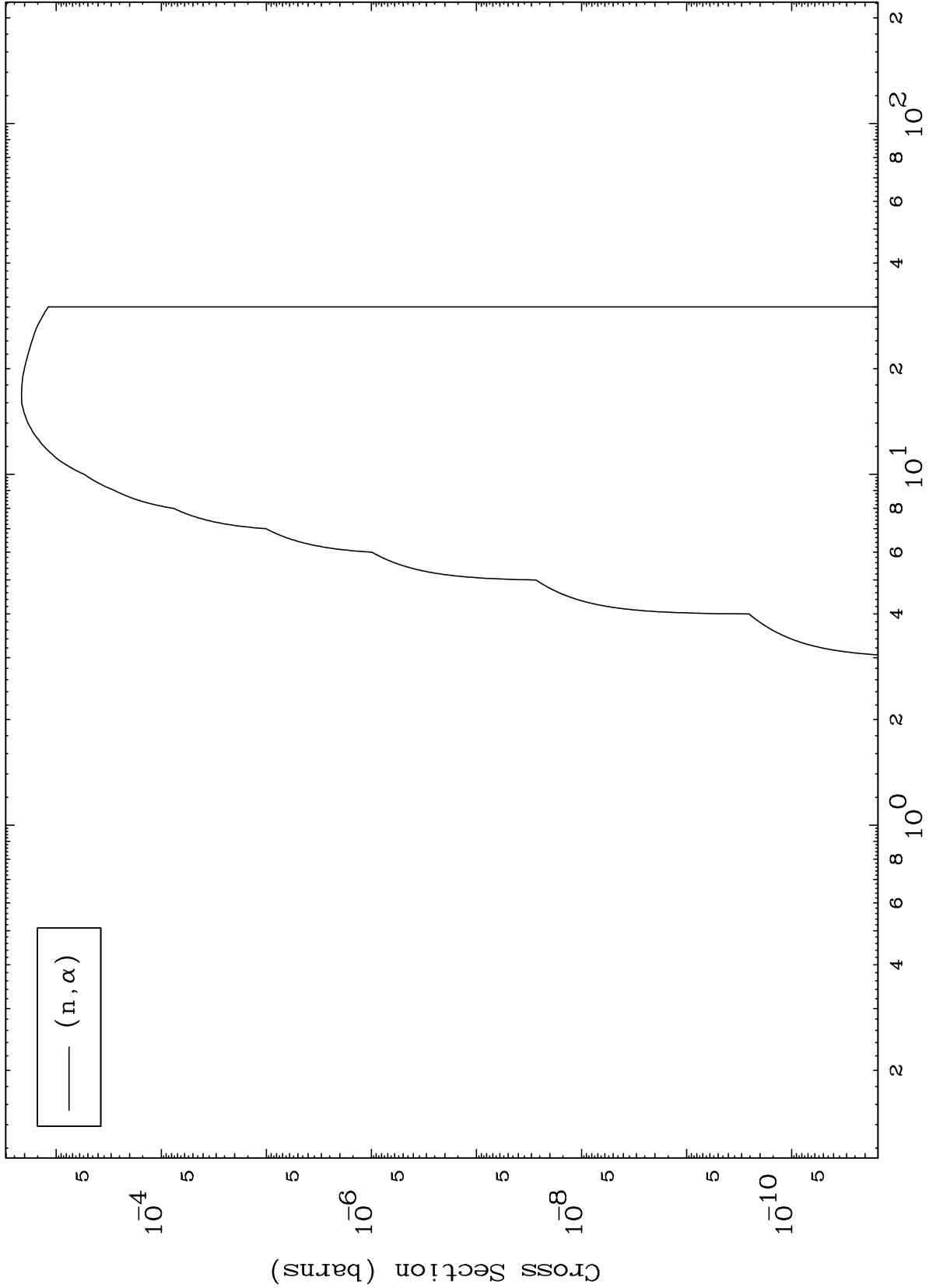
70-Yb-177

MAT 7052

(d,  $\alpha$ ) Levels

70-Yb-177

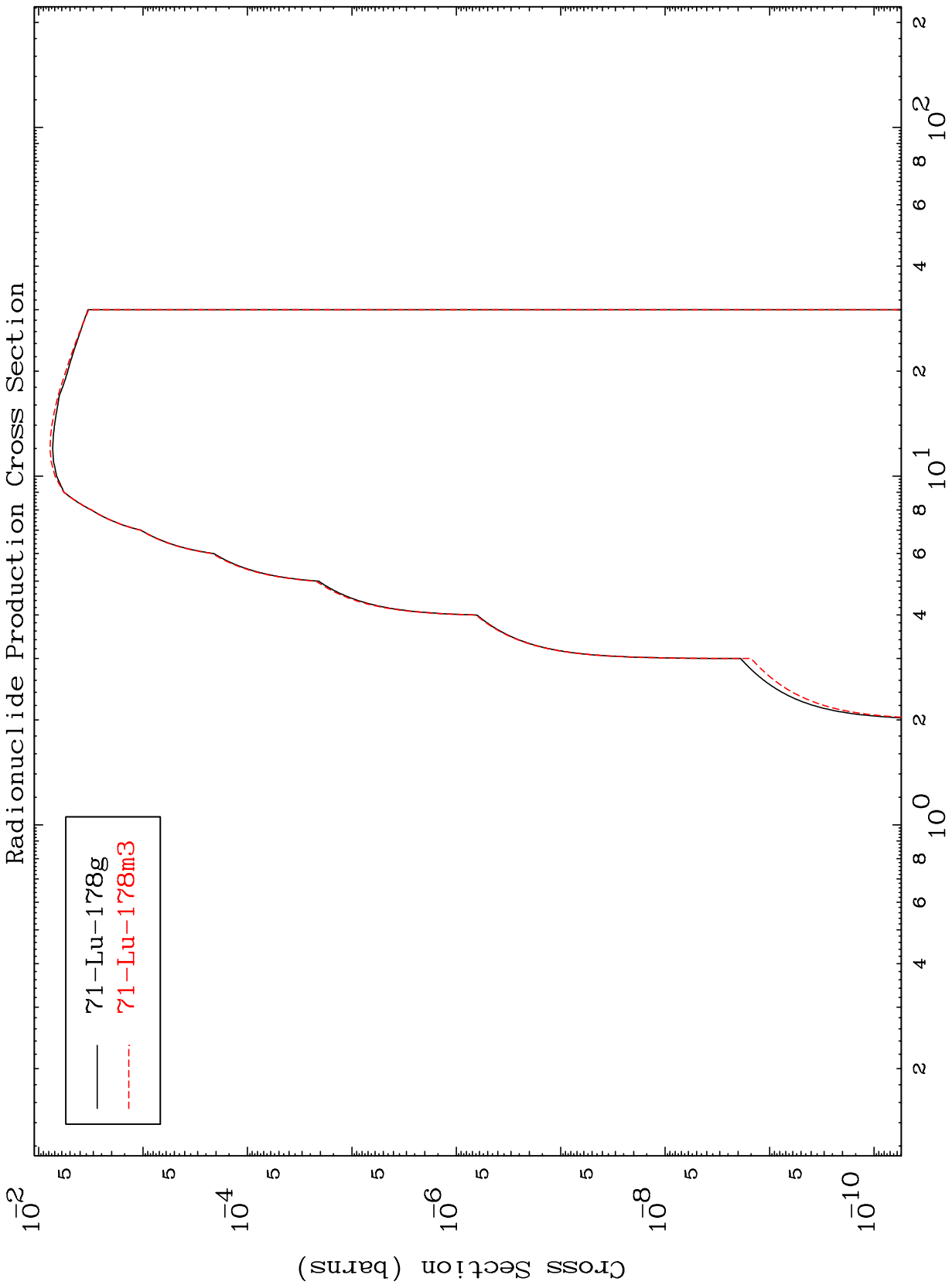
0 Kelvin Cross Sections



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70-Yb-177

Inelastic  
Radionuclide Production Cross Section



70-Yb-177

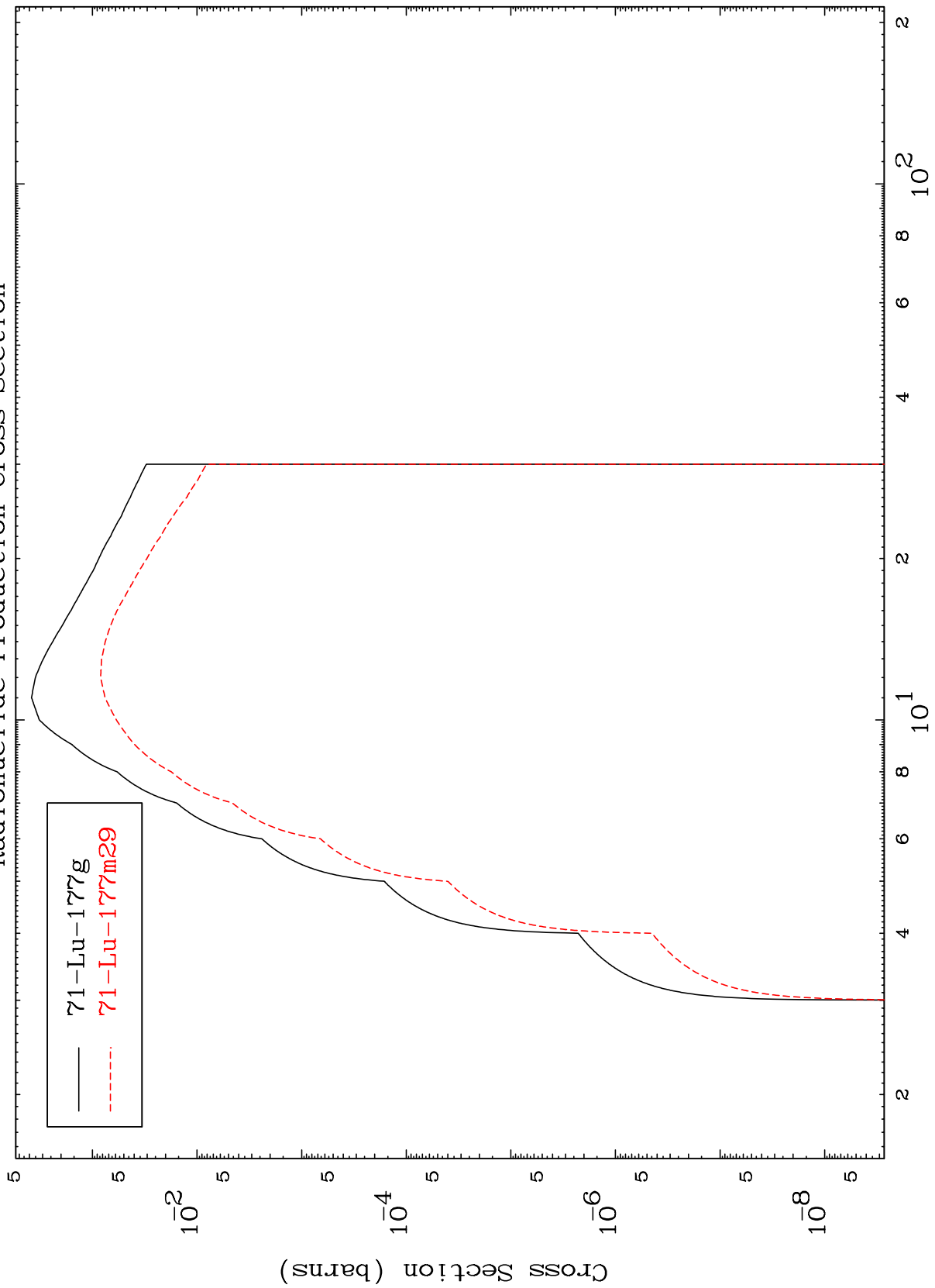
Incident Energy (MeV)

12

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$^{70}\text{Yb-177}$

Radionuclide Production Cross Section  
(n,2n)



—  $^{71}\text{Lu-177g}$   
- - -  $^{71}\text{Lu-177m29}$

$^{70}\text{Yb-177}$

Incident Energy (MeV)

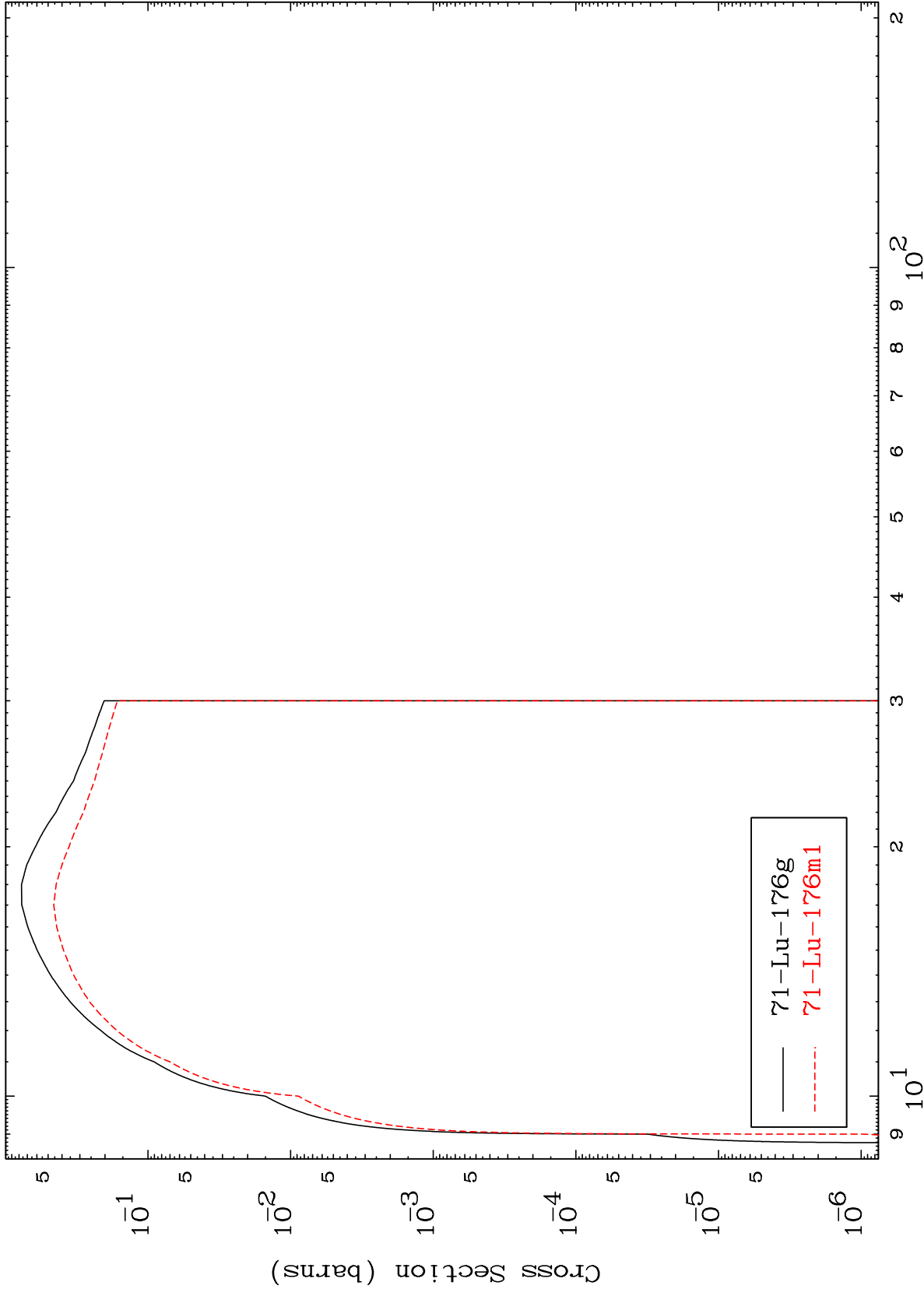
13

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(n,3n)

70-Yb-177

Radionuclide Production Cross Section



71-Lu-176g  
71-Lu-176m1

Incident Energy (MeV)

70-Yb-177

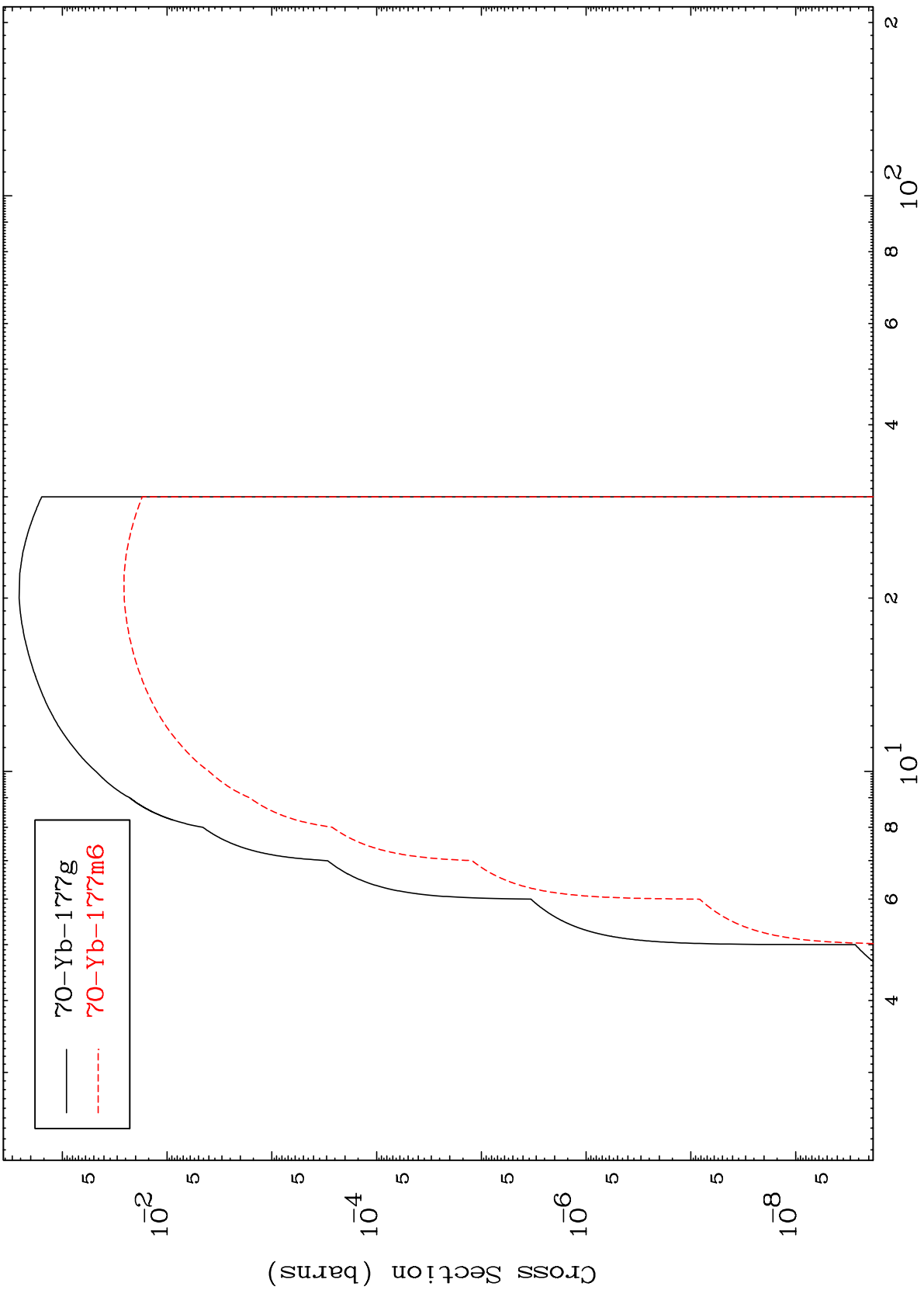
14

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$(n, n')$  p

$^{70}\text{Yb-177}$

Radionuclide Production Cross Section



15

Incident Energy (MeV)

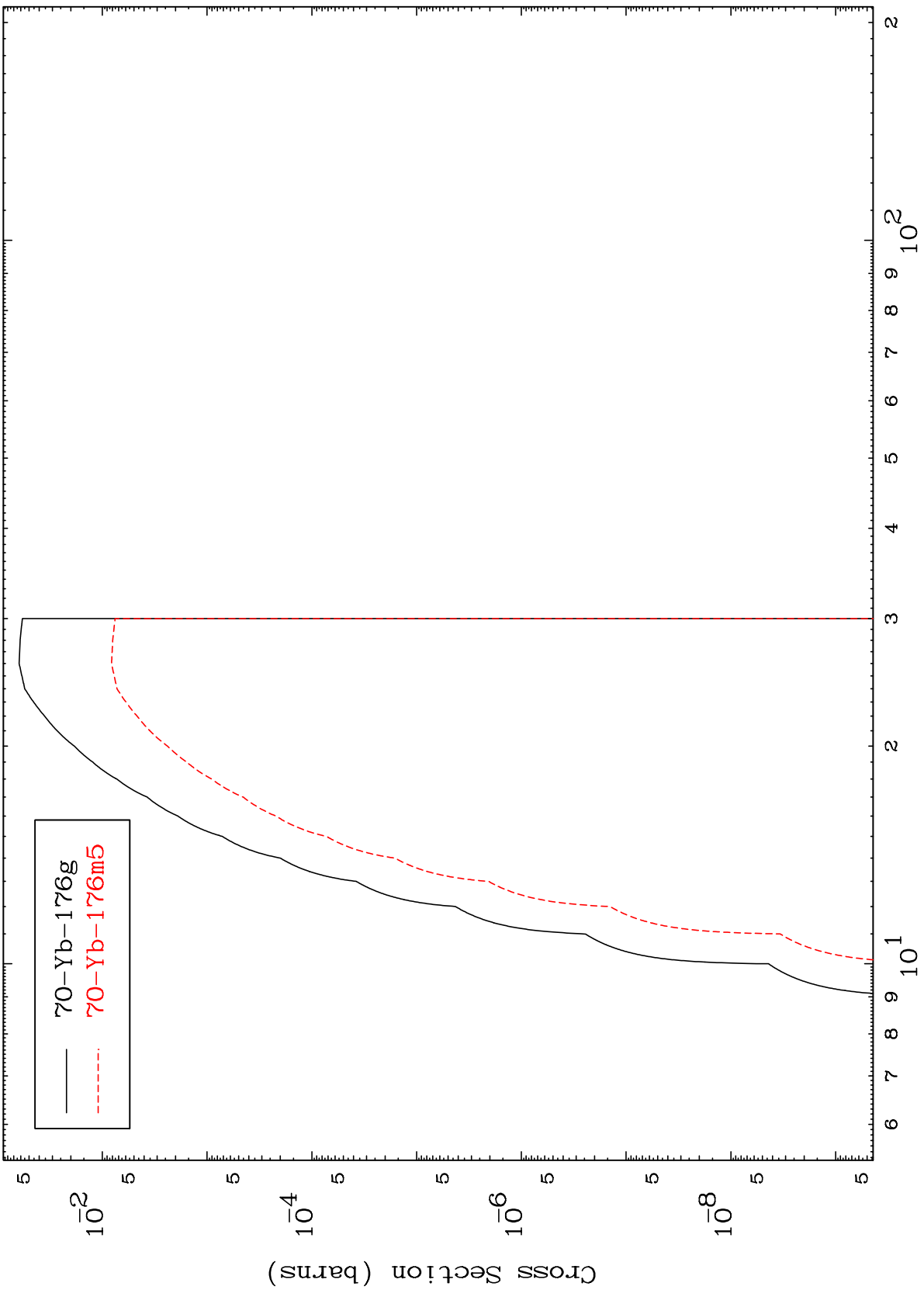
$^{70}\text{Yb-177}$

MAT 7052

$(n, n')$  d

$^{70}\text{Yb-177}$

Radionuclide Production Cross Section



16

Incident Energy (MeV)

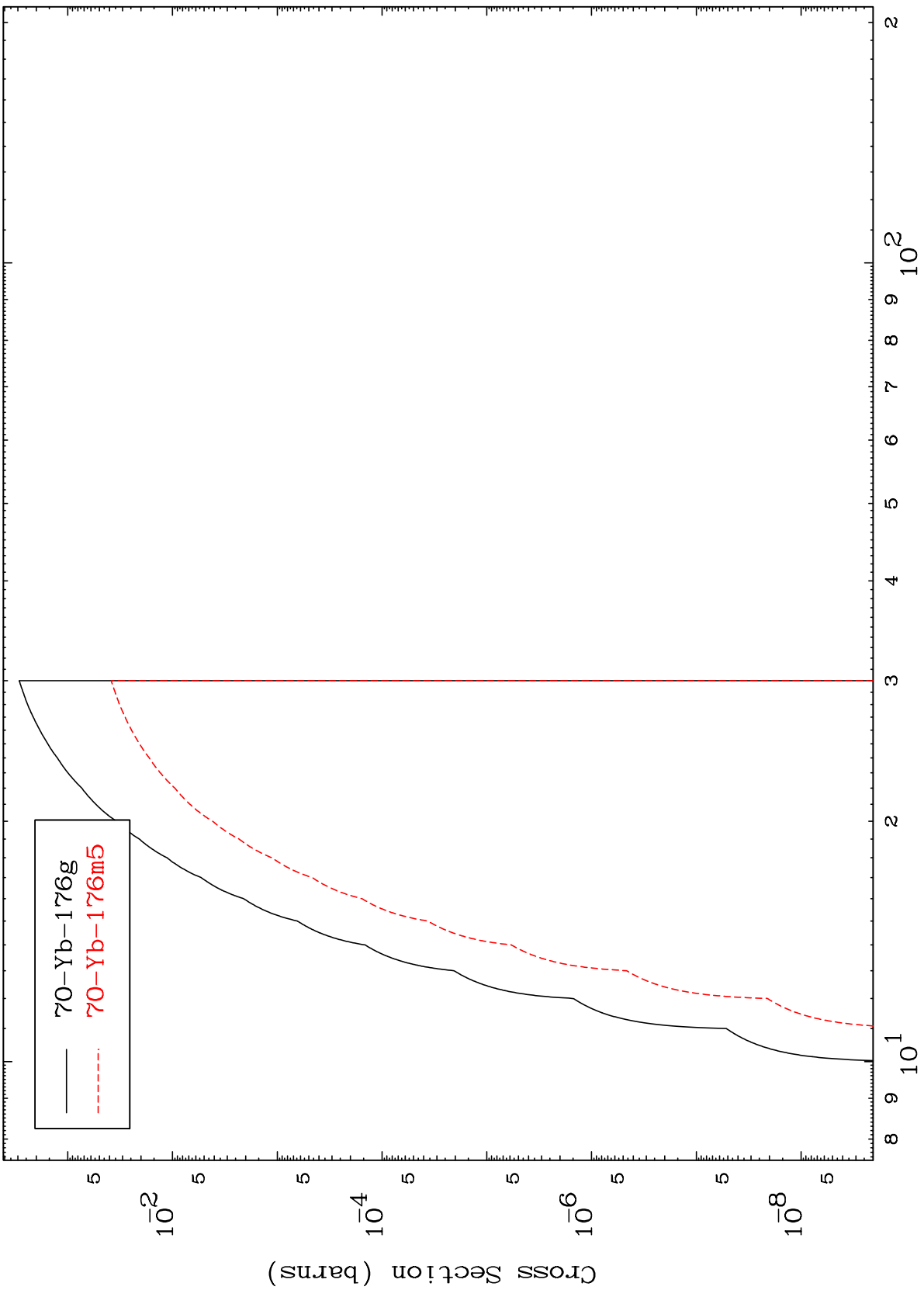
$^{70}\text{Yb-177}$

MAT 7052

(n,2n) p

<sup>70</sup>Yb-177

Radionuclide Production Cross Section



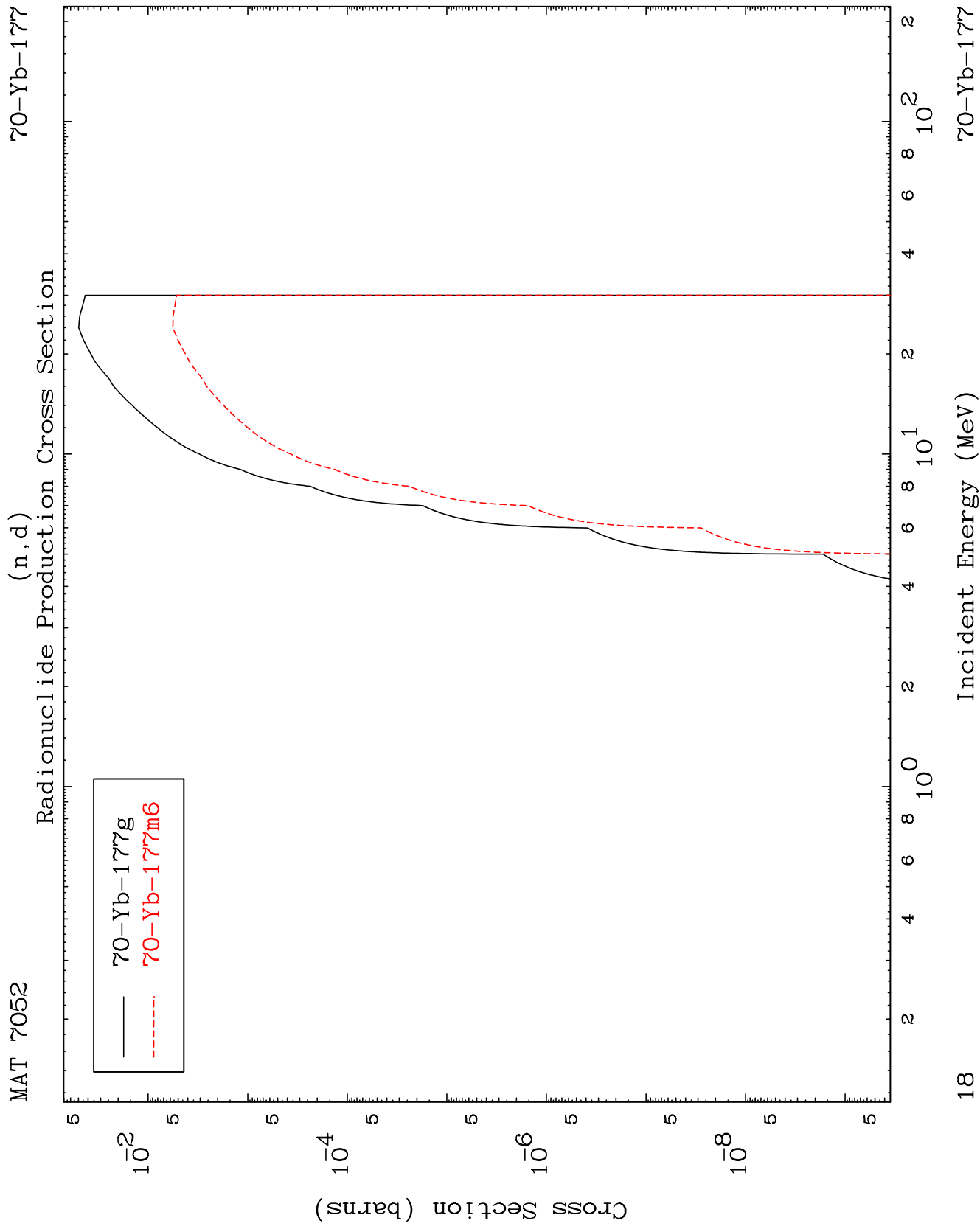
— <sup>70</sup>Yb-176g  
- - - <sup>70</sup>Yb-176m5

17

Incident Energy (MeV)

<sup>70</sup>Yb-177

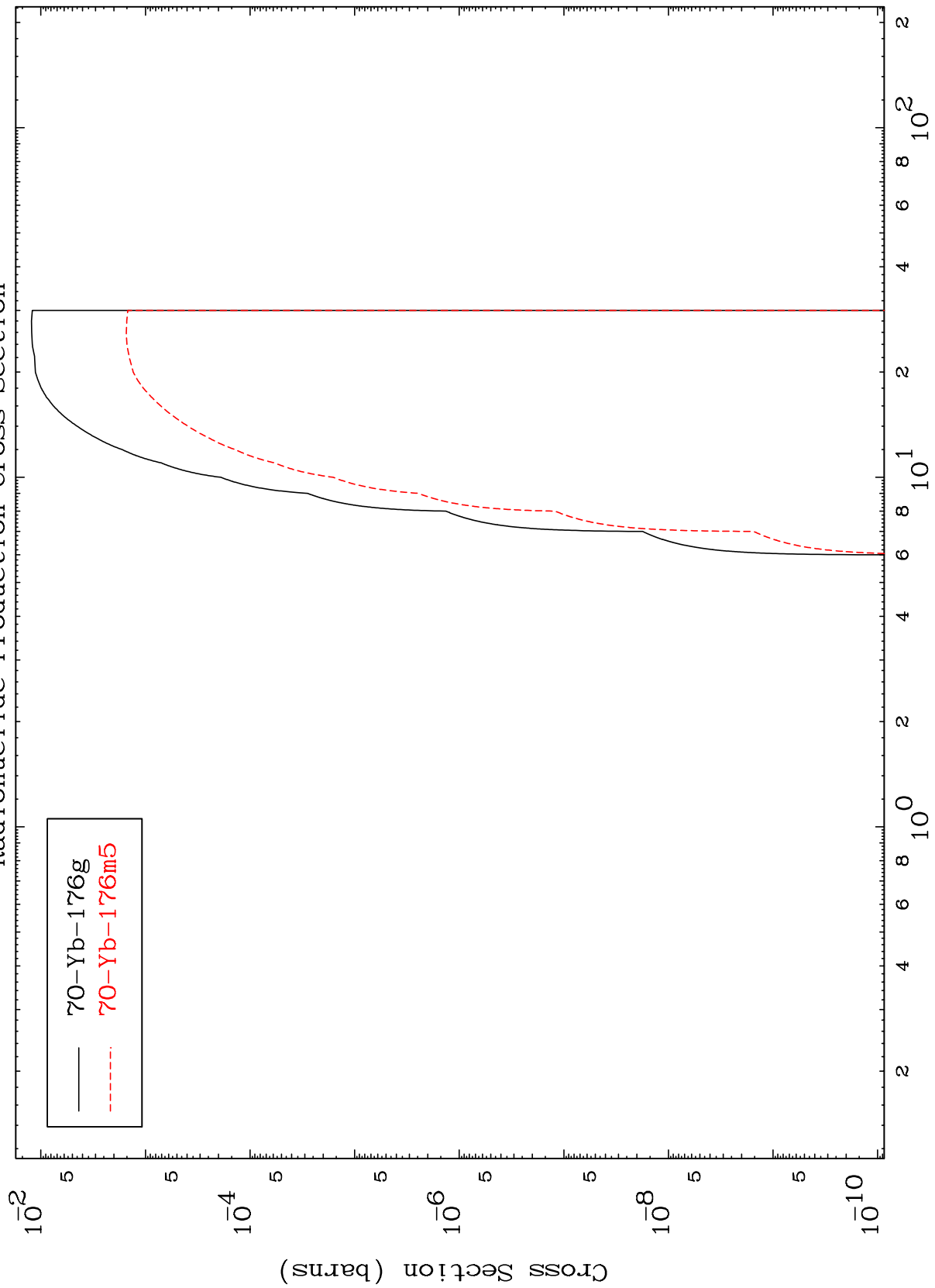
MAT 7052



MAT 7052

$^{70}\text{Yb-177}$

Radionuclide Production Cross Section  
(n, t)



—  $^{70}\text{Yb-176g}$   
- - -  $^{70}\text{Yb-176m5}$

$^{70}\text{Yb-177}$

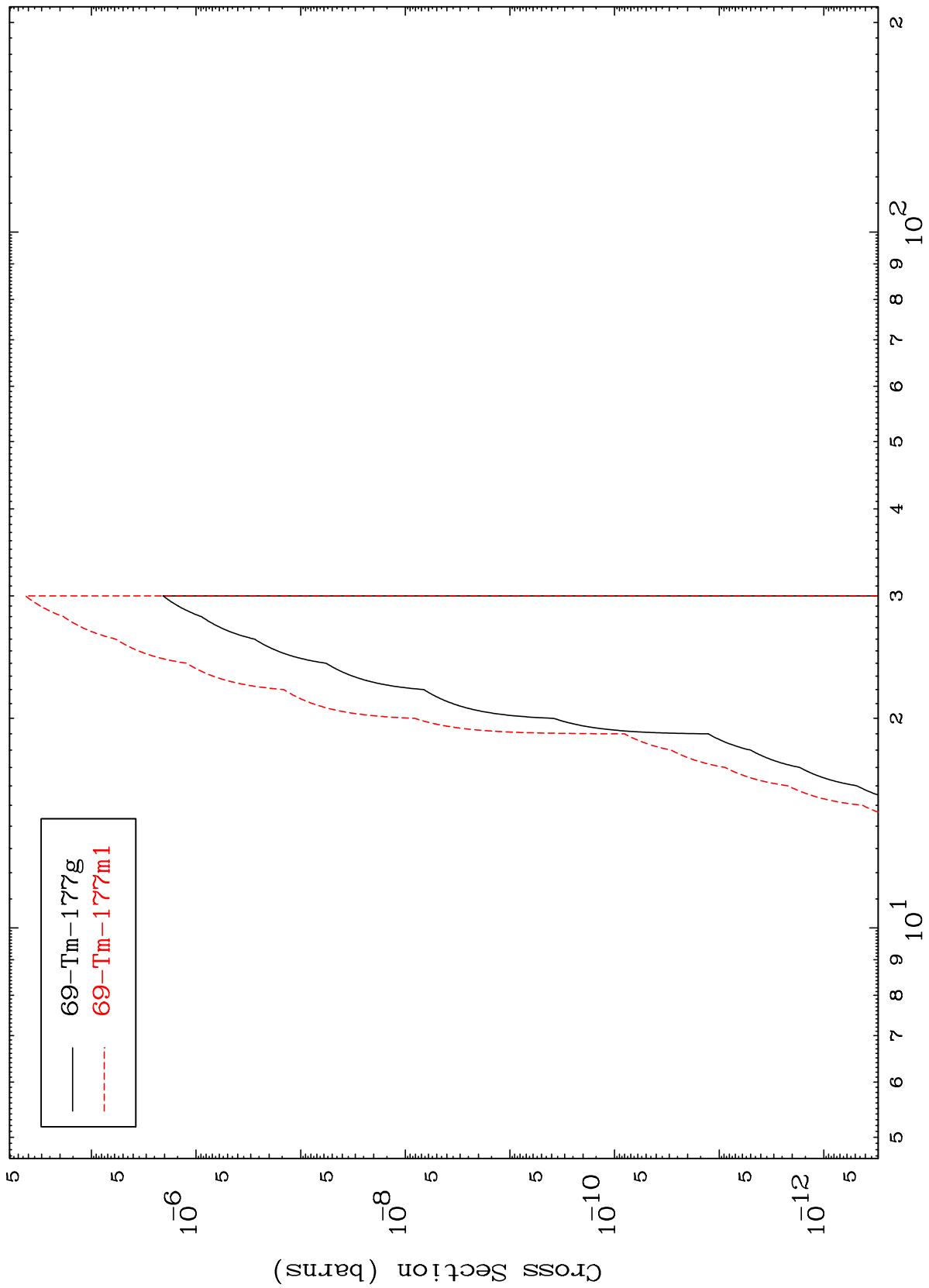
Incident Energy (MeV)

19

MAT 7052

70-Yb-177

(n,2p)  
Radionuclide Production Cross Section



20

Incident Energy (MeV)

70-Yb-177