

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

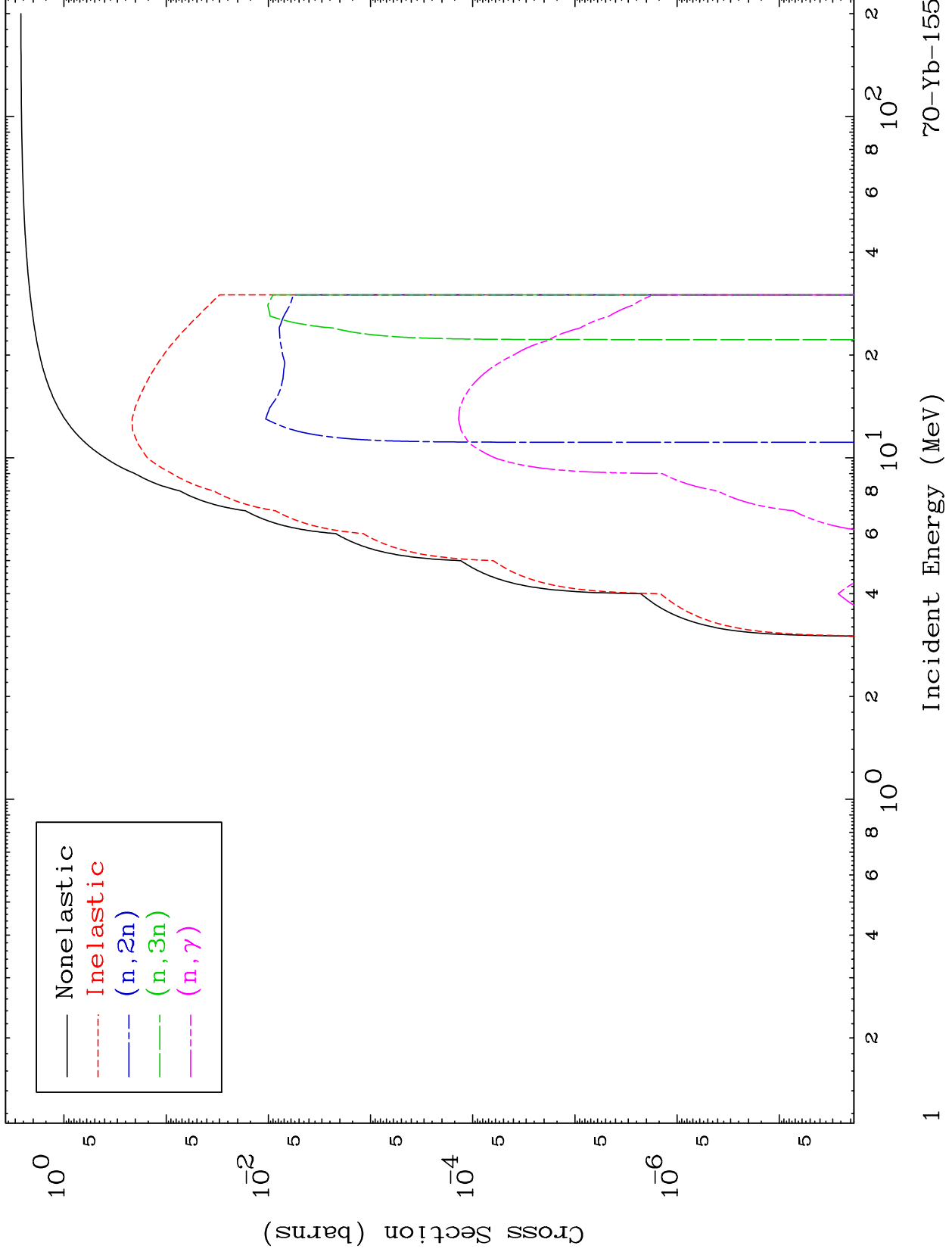
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Web:redcullen1.net/HOMEPAGE.NEW

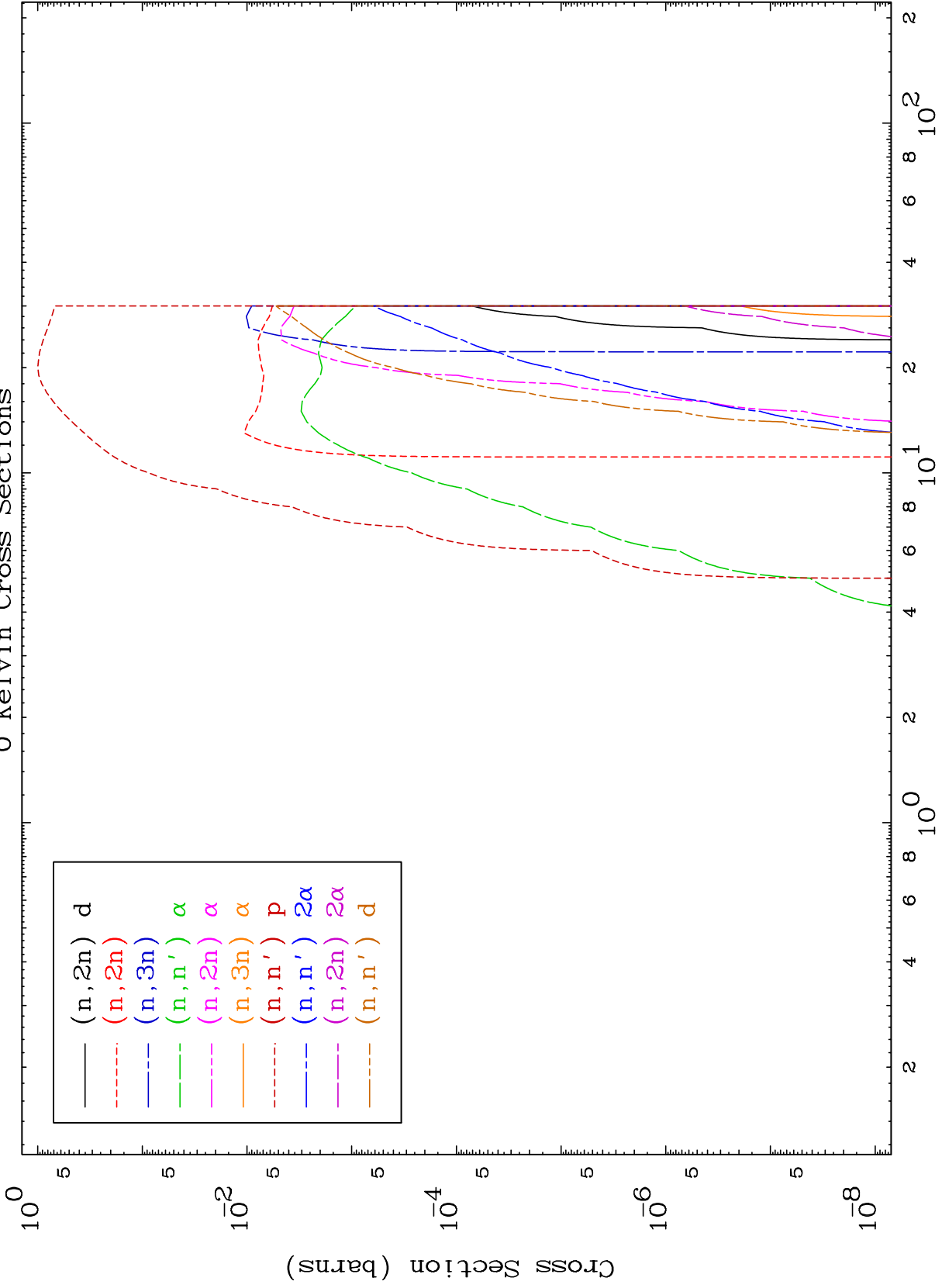
Press Mouse Button to Start

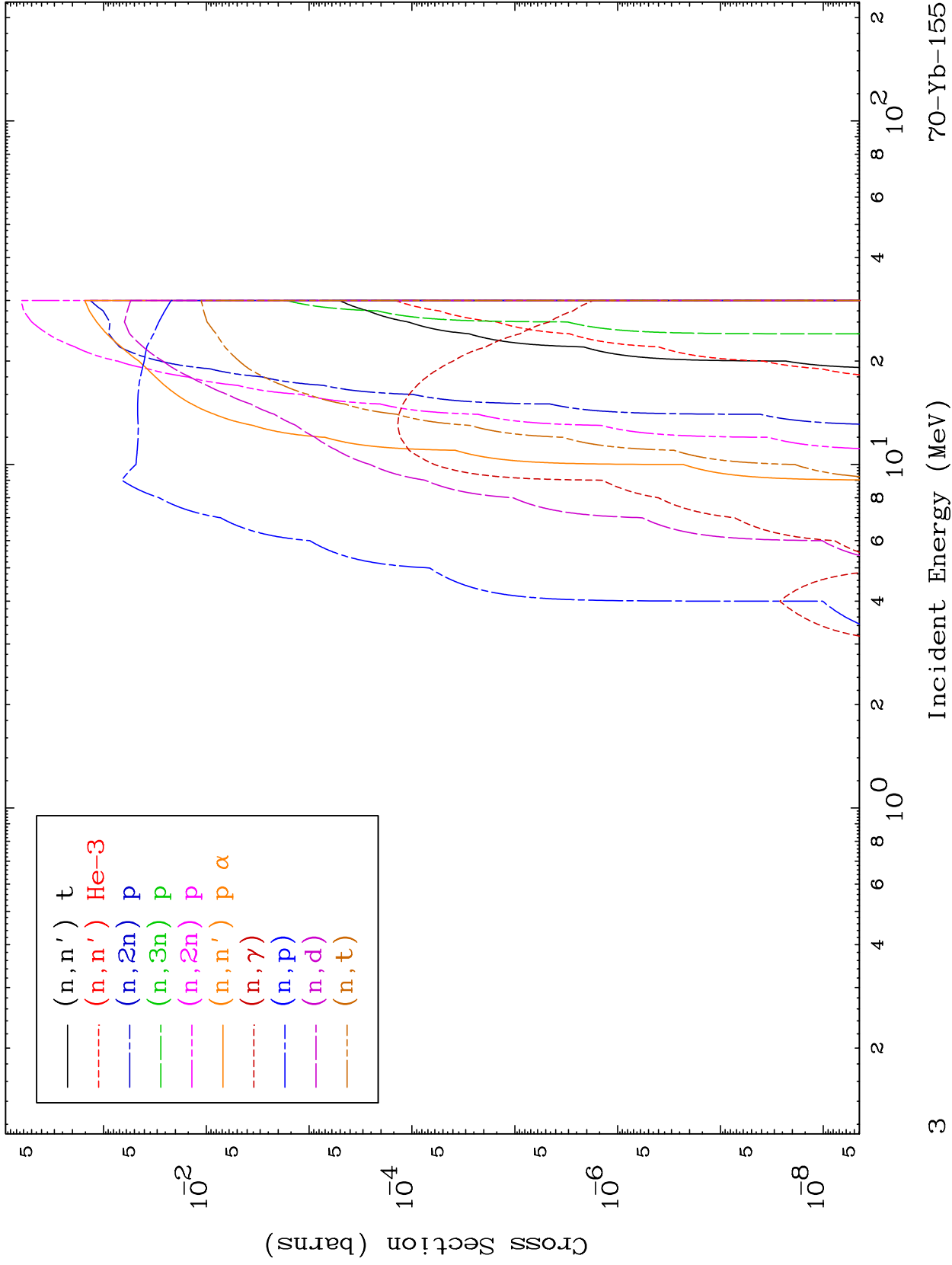


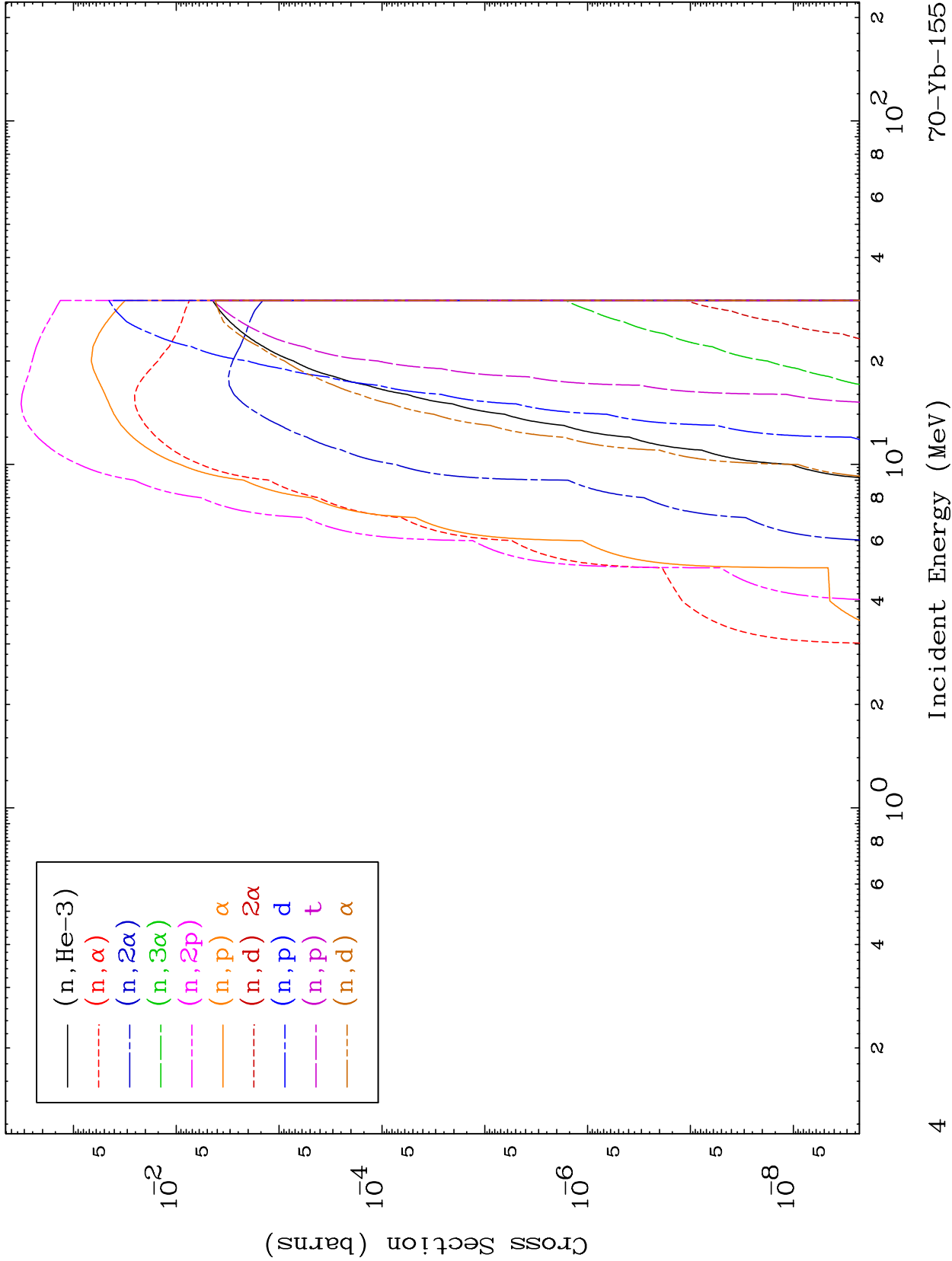
MAT 6986

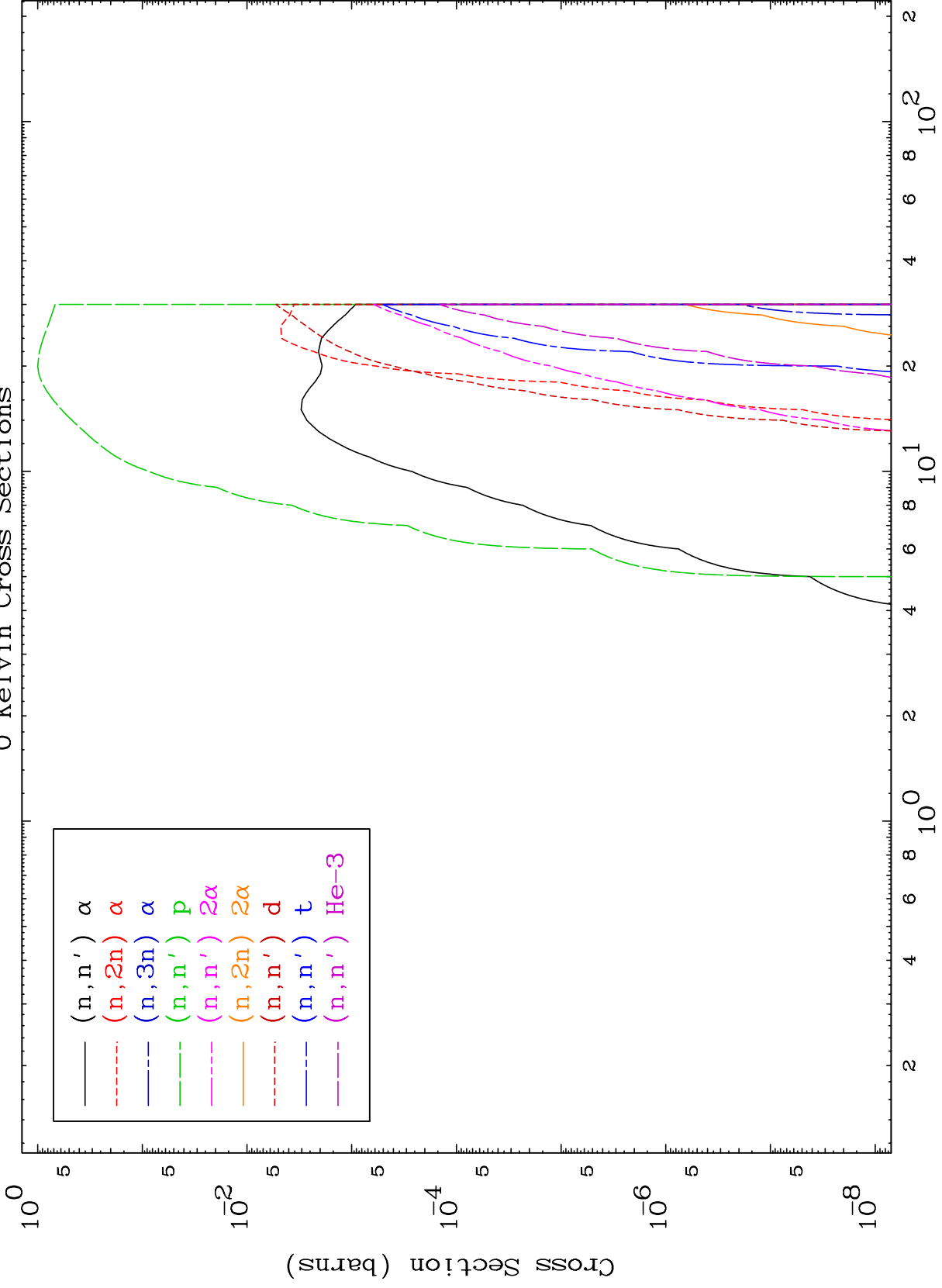
Deuteron Neutron Absorption
0 Kelvin Cross Sections

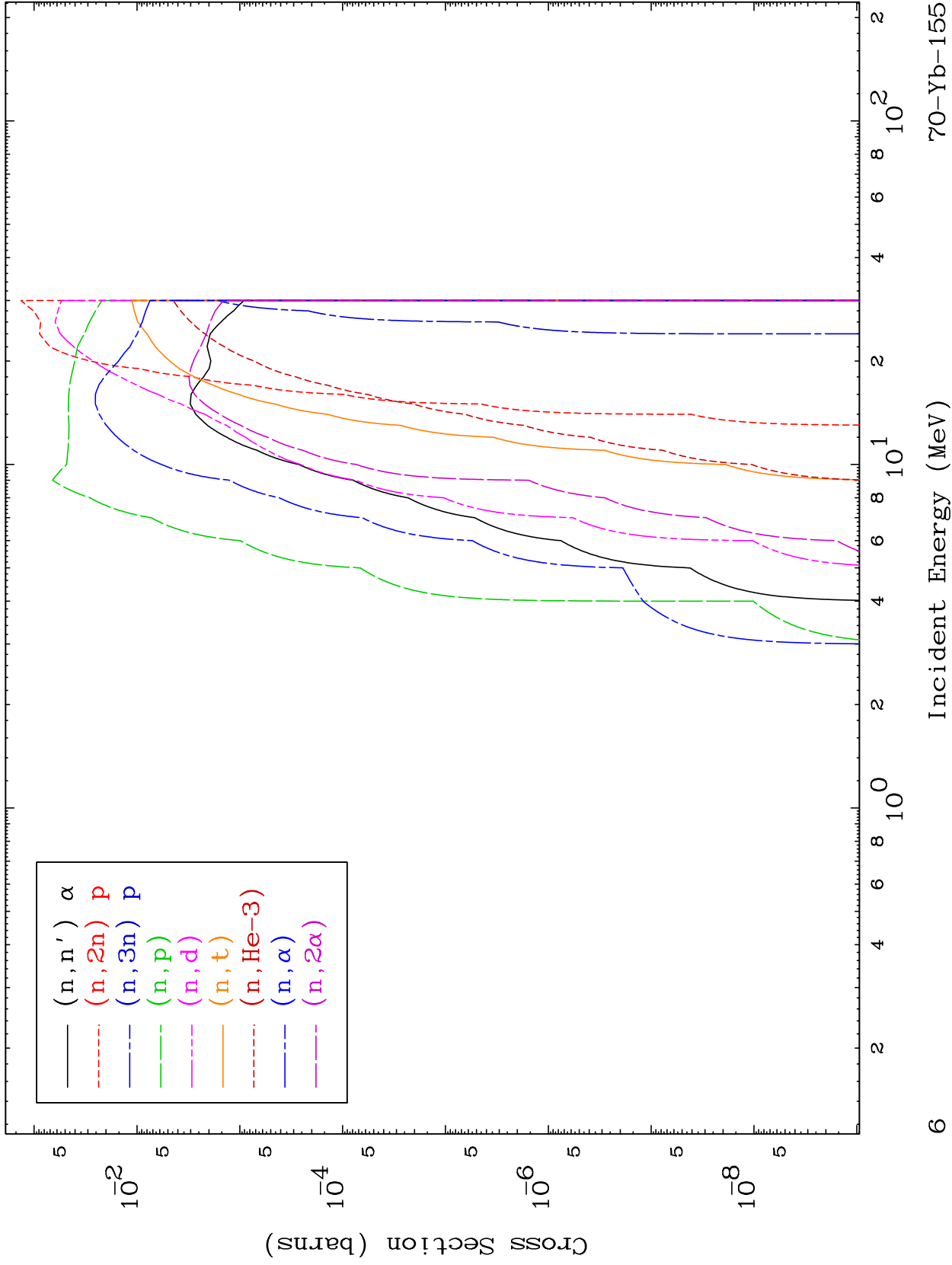
70-Yb-155

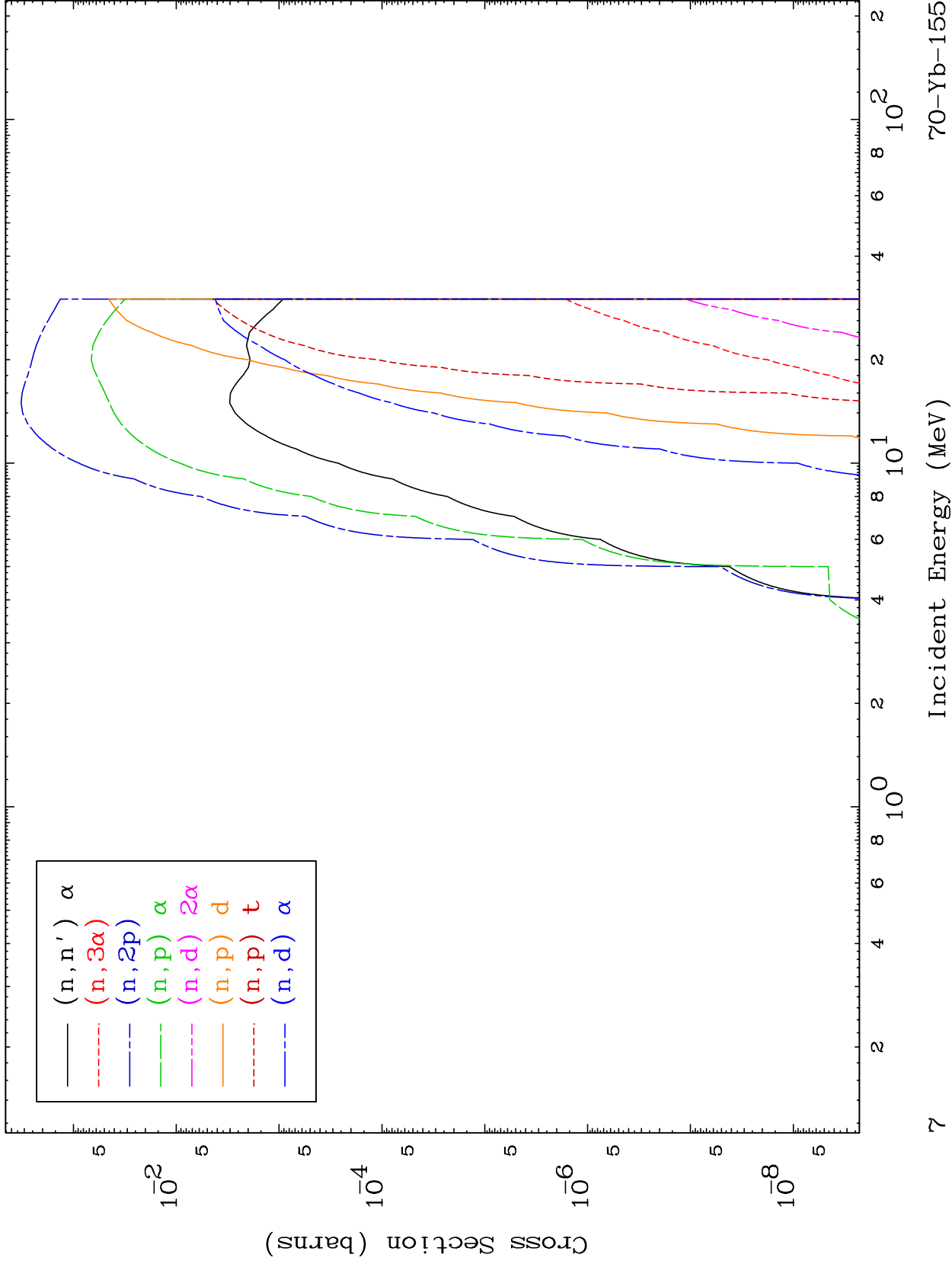








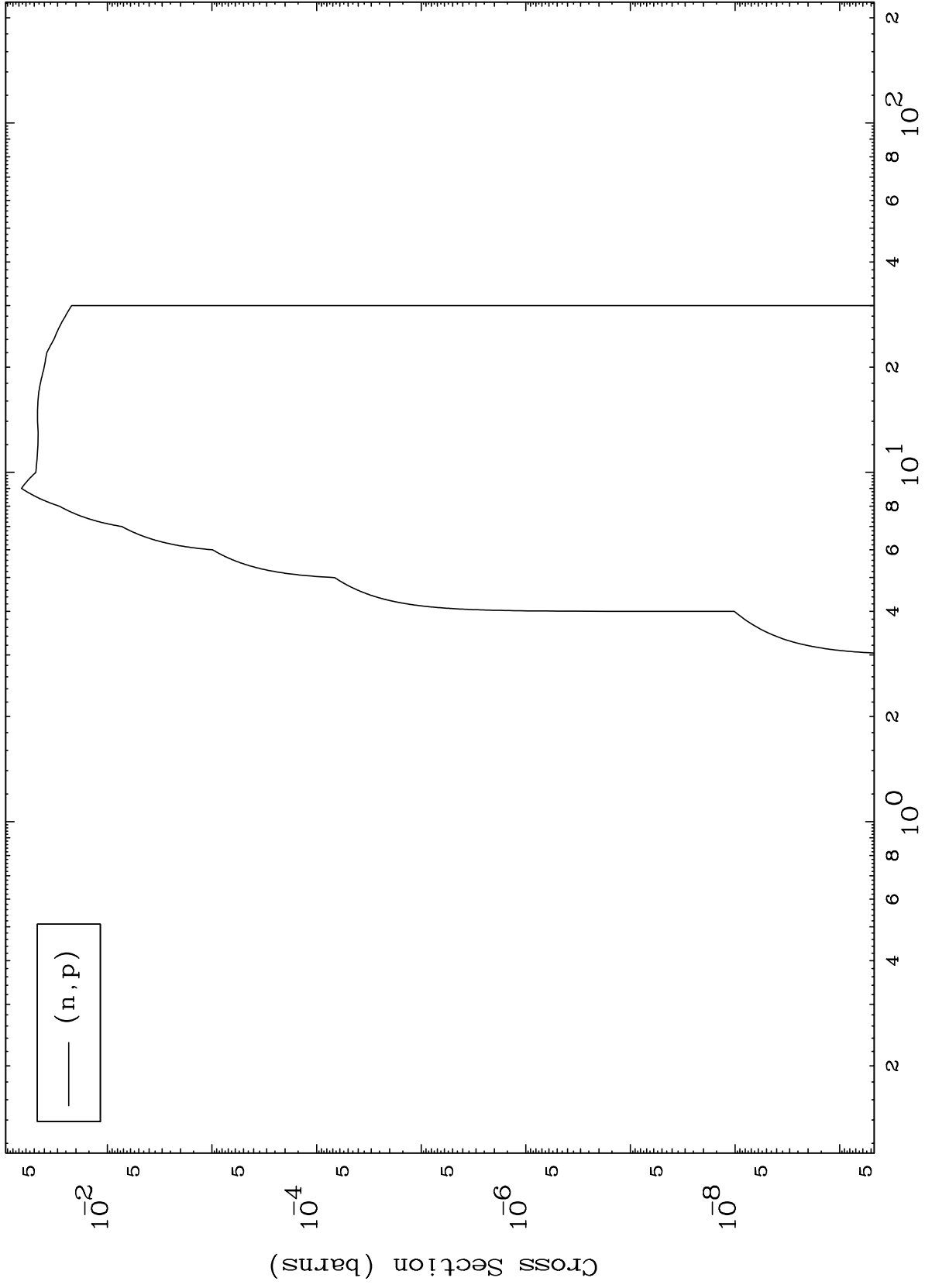




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(d,p) Levels
0 Kelvin Cross Sections

70-Yb-155

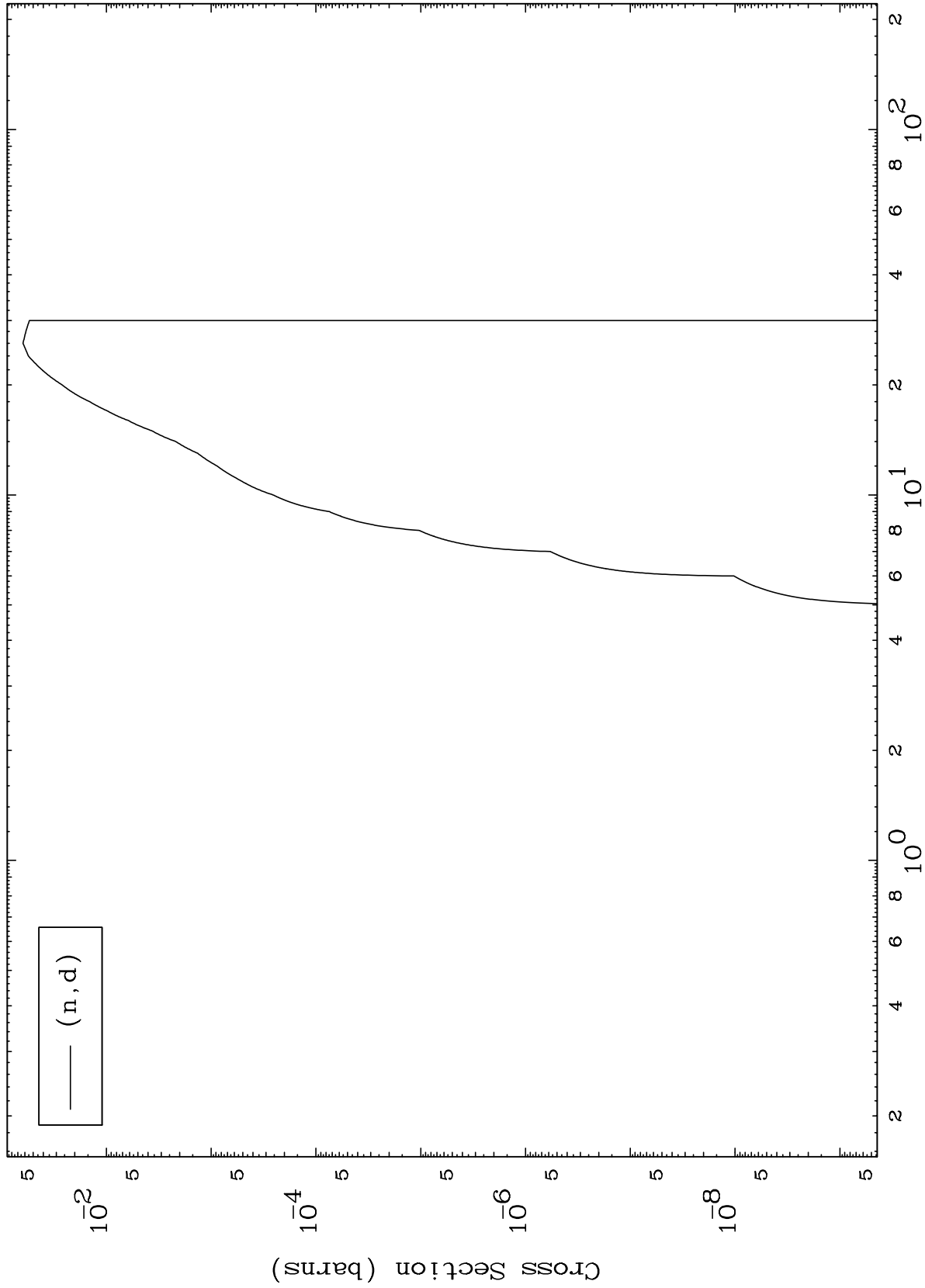


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(d,d) Levels

70-Yb-155

0 Kelvin Cross Sections

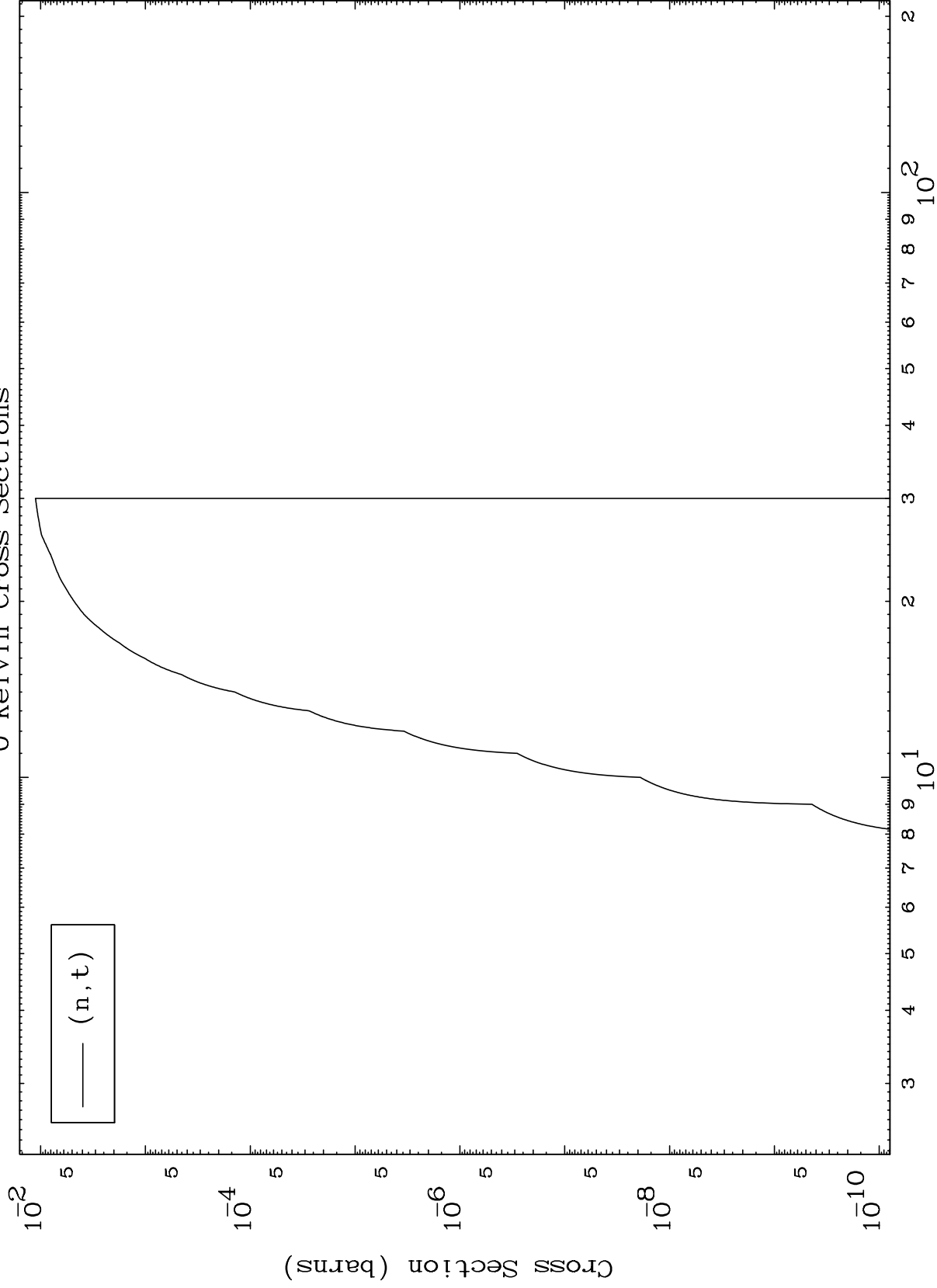


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(d, t) Levels

70-Yb-155

0 Kelvin Cross Sections



10

Incident Energy (MeV)

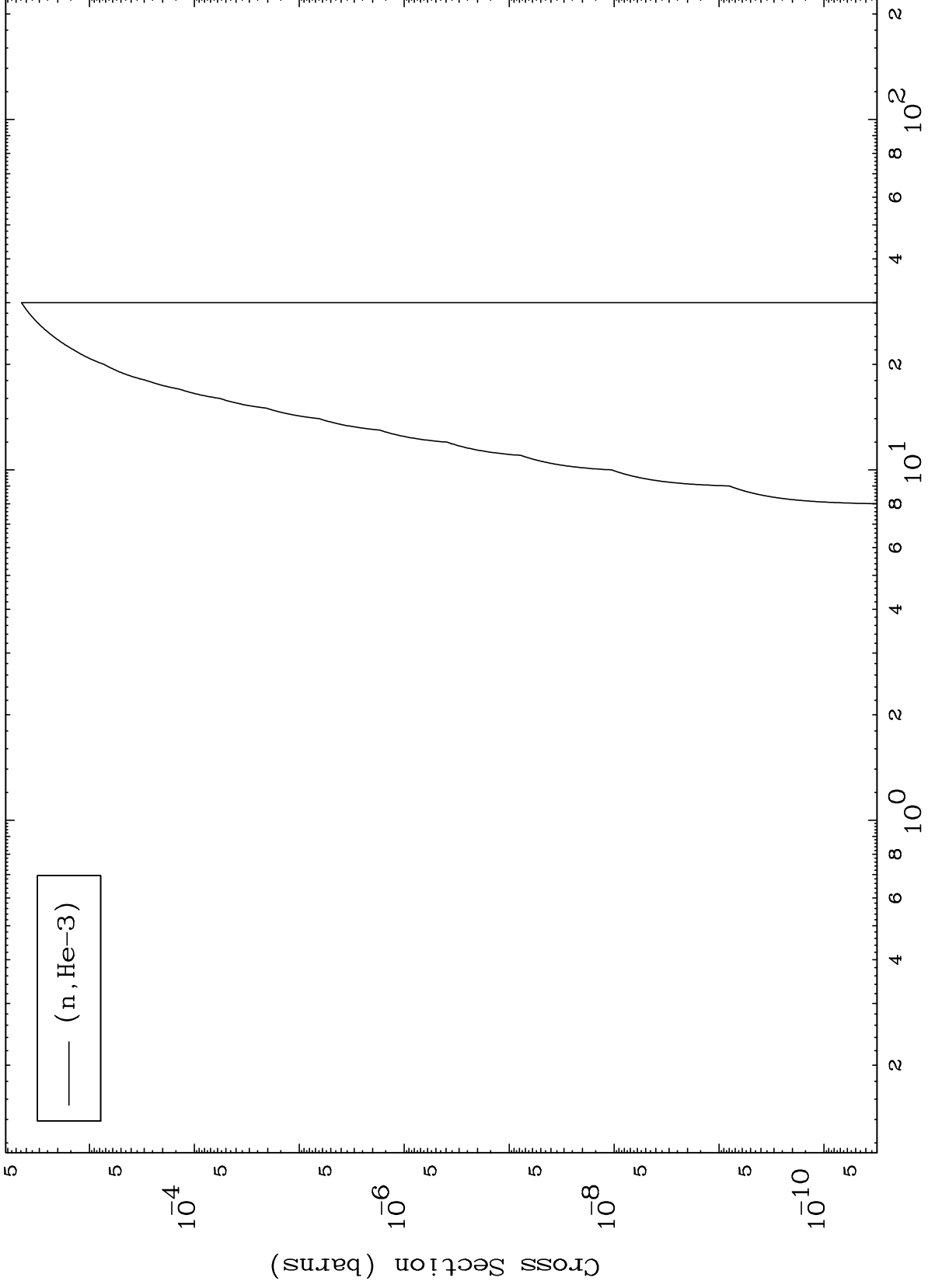
70-Yb-155

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(d,He3) Levels

70-Yb-155

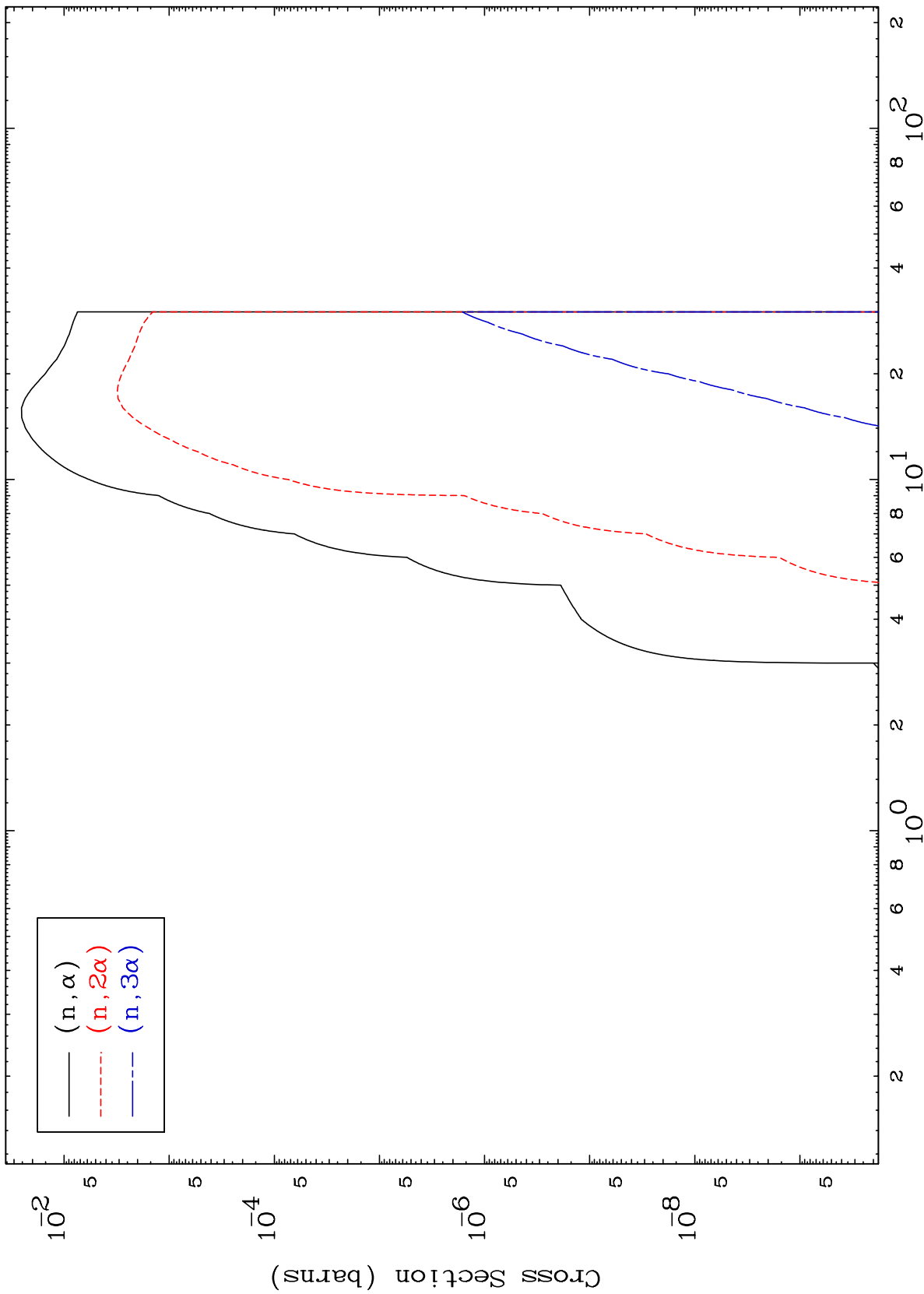
0 Kelvin Cross Sections



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70-Yb-155

(d, α) Levels
0 Kelvin Cross Sections



70-Yb-155

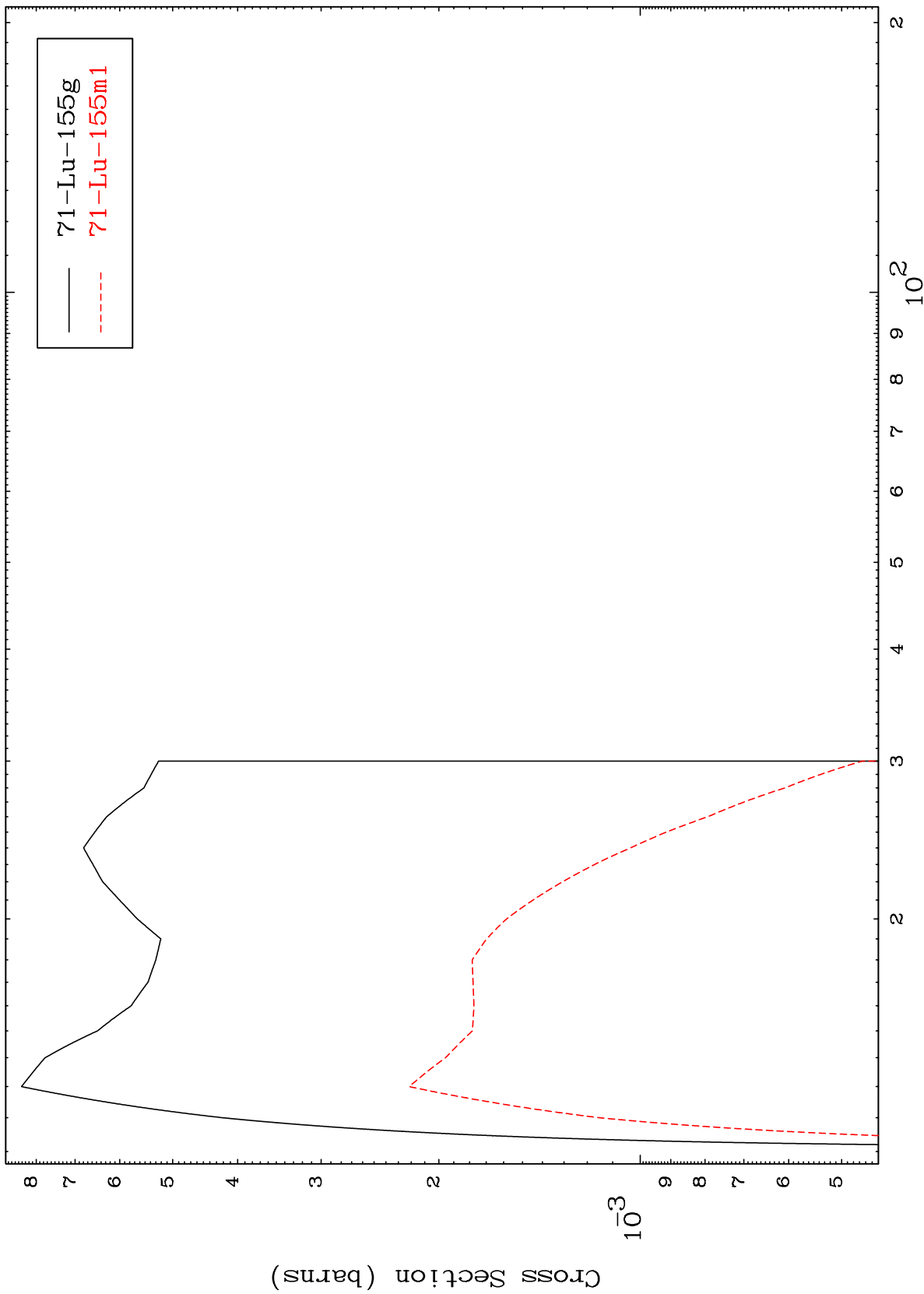
Incident Energy (MeV)

12

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70-Yb-155

(n,2n)
Radionuclide Production Cross Section



13

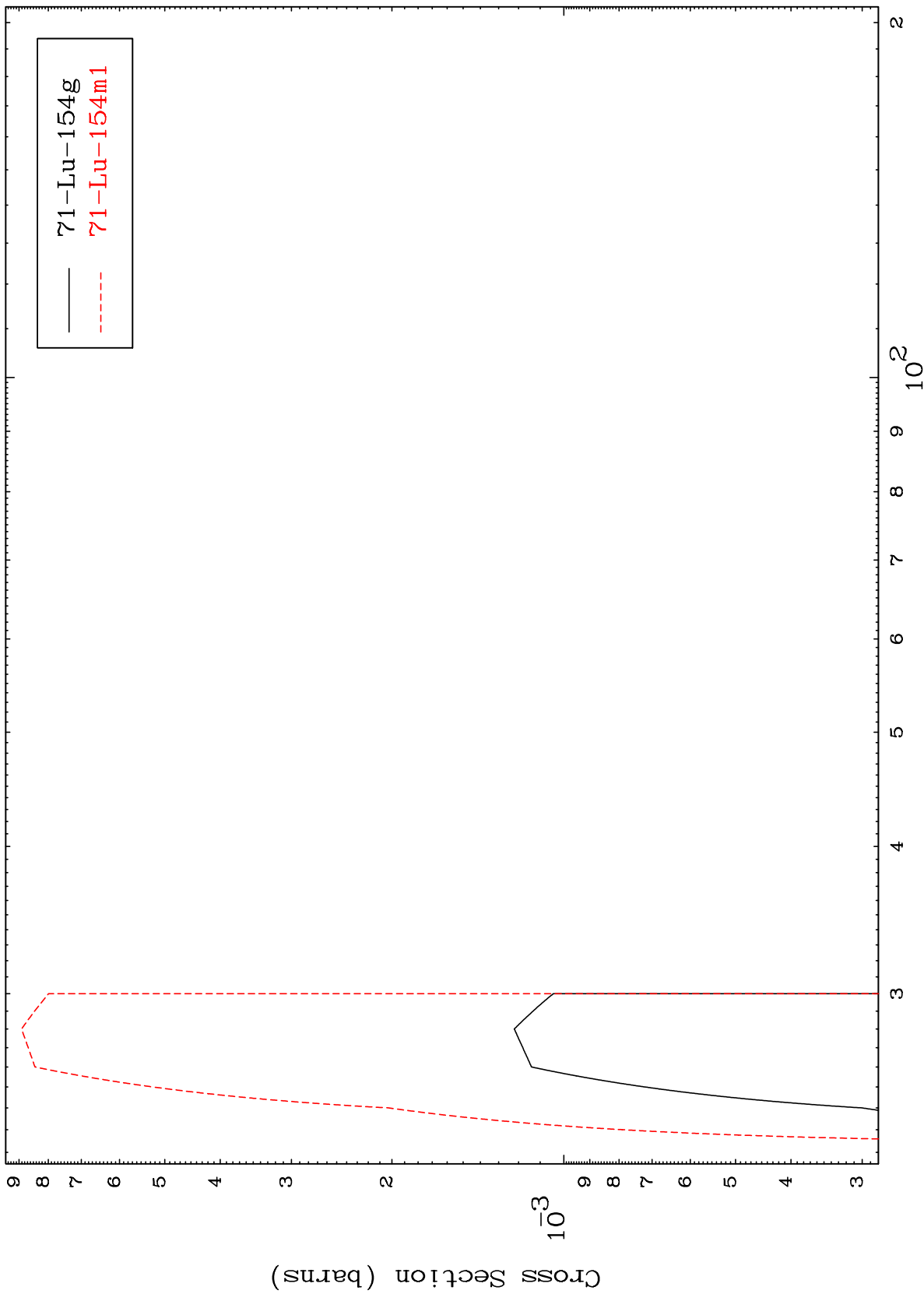
Incident Energy (MeV)

70-Yb-155

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70-Yb-155

(n,3n)
Radionuclide Production Cross Section



14

Incident Energy (MeV)

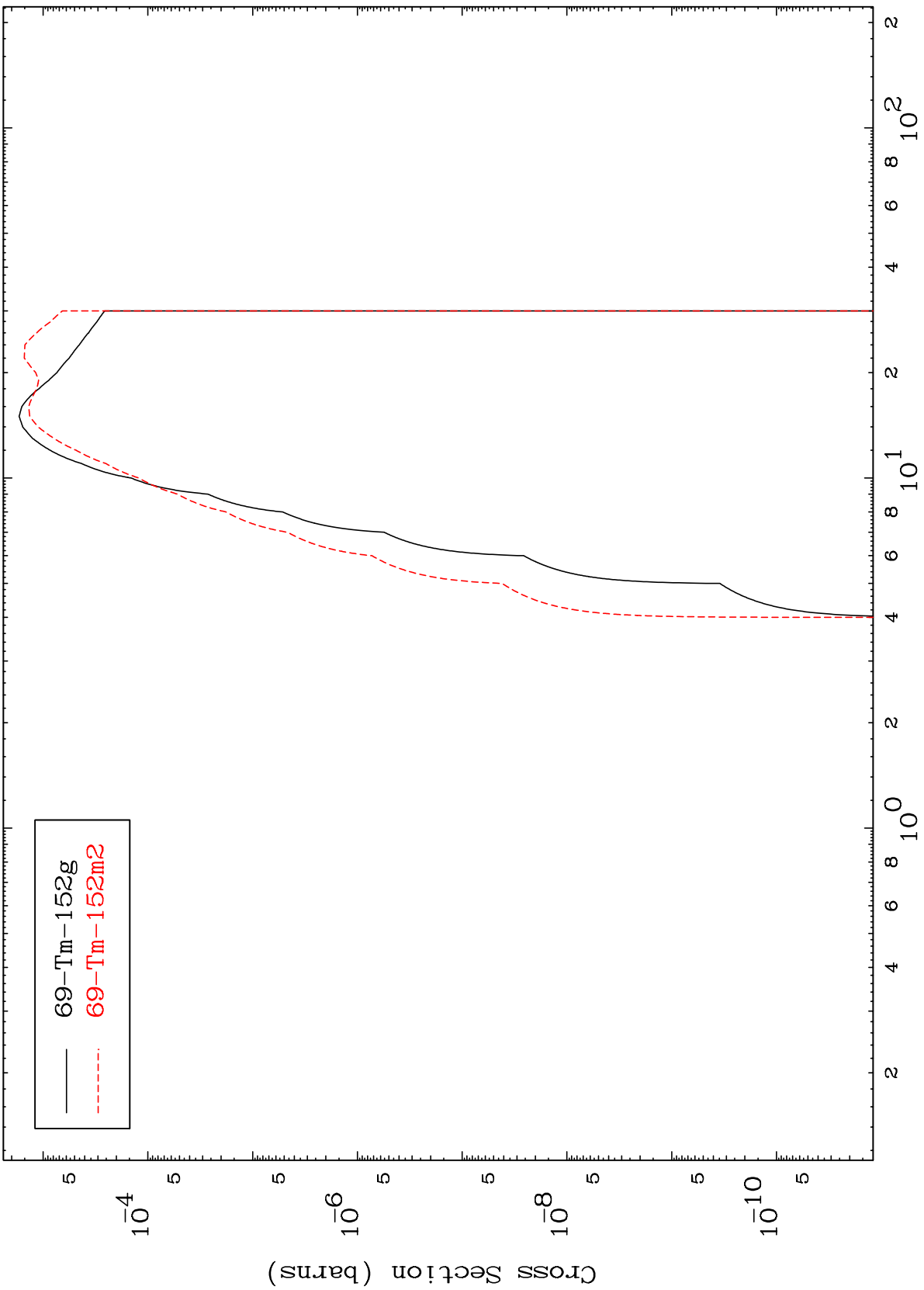
70-Yb-155

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$(n, n') \alpha$

$^{70}\text{Yb-155}$

Radionuclide Production Cross Section



— 69-Tm-152g
- - - 69-Tm-152m2

15

Incident Energy (MeV)

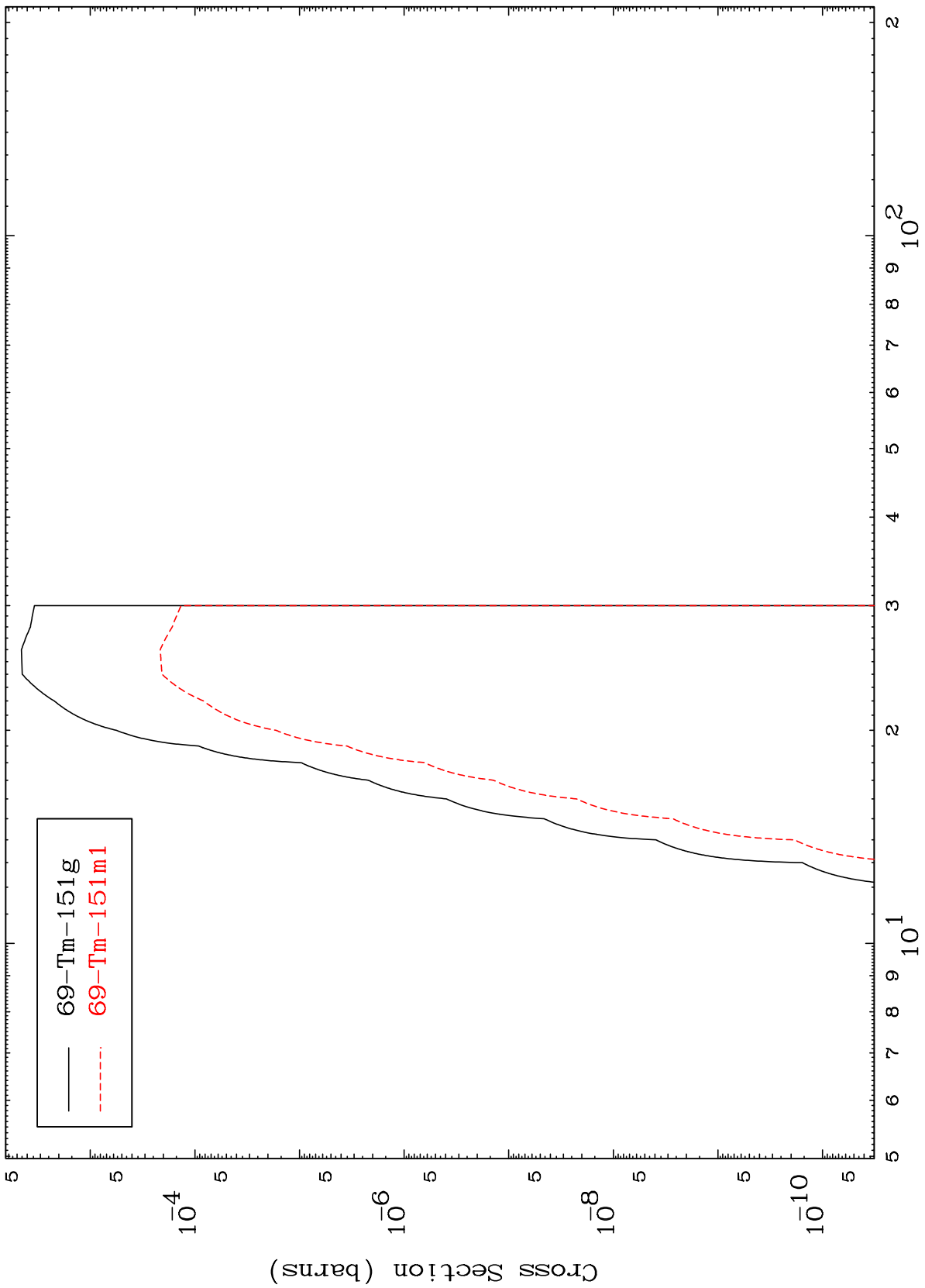
$^{70}\text{Yb-155}$

MAT 6986

$(n,2n) \alpha$

70-Yb-155

Radionuclide Production Cross Section



69-Tm-151g
69-Tm-151m1

16

Incident Energy (MeV)

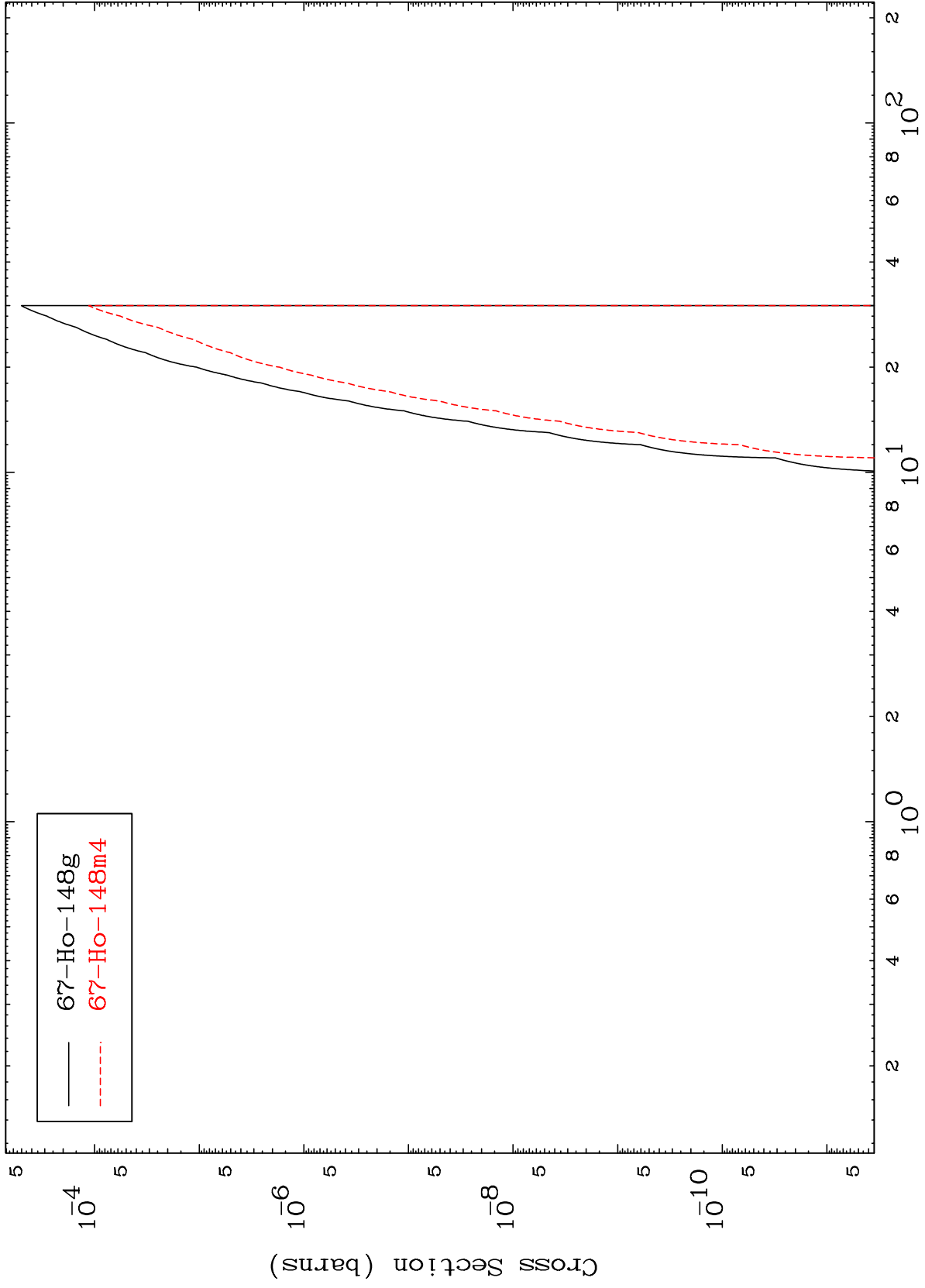
70-Yb-155

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(n,n') 2α

70-Yb-155

Radionuclide Production Cross Section



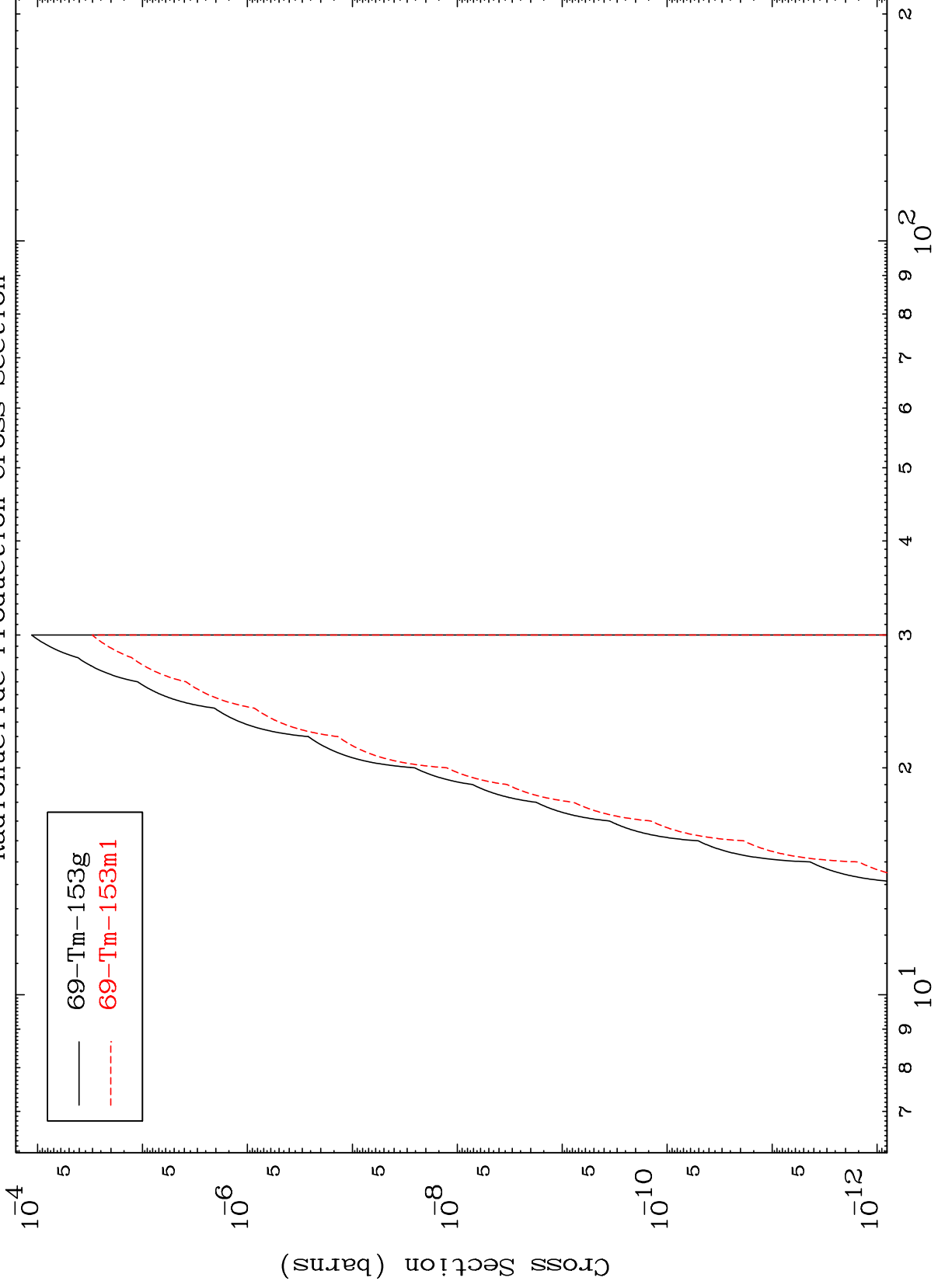
67-Ho-148g
67-Ho-148m4

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(n,n') He-3

70-Yb-155

Radionuclide Production Cross Section



18

Incident Energy (MeV)

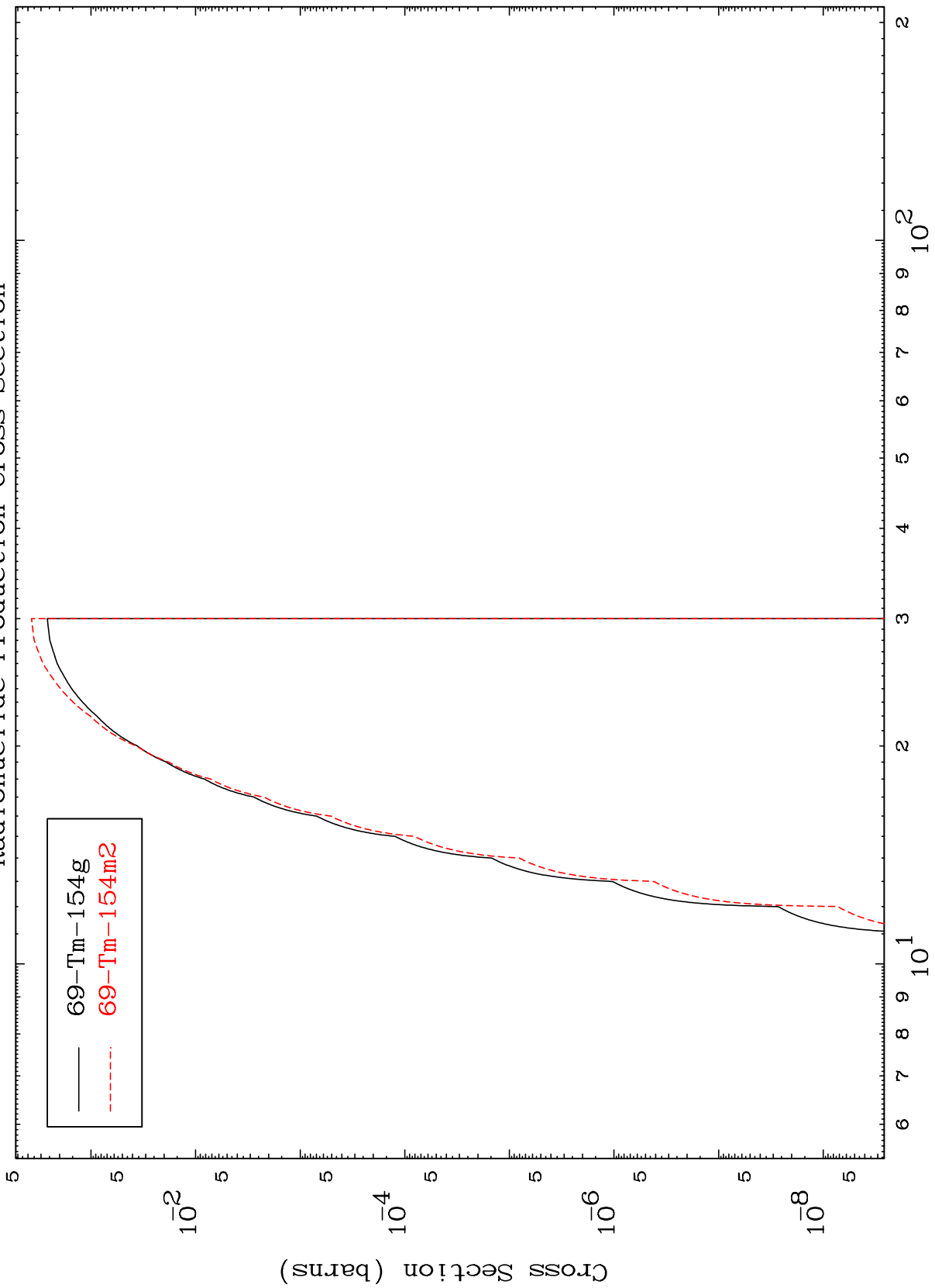
70-Yb-155

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(n,2n) p

70-Yb-155

Radionuclide Production Cross Section



19

Incident Energy (MeV)

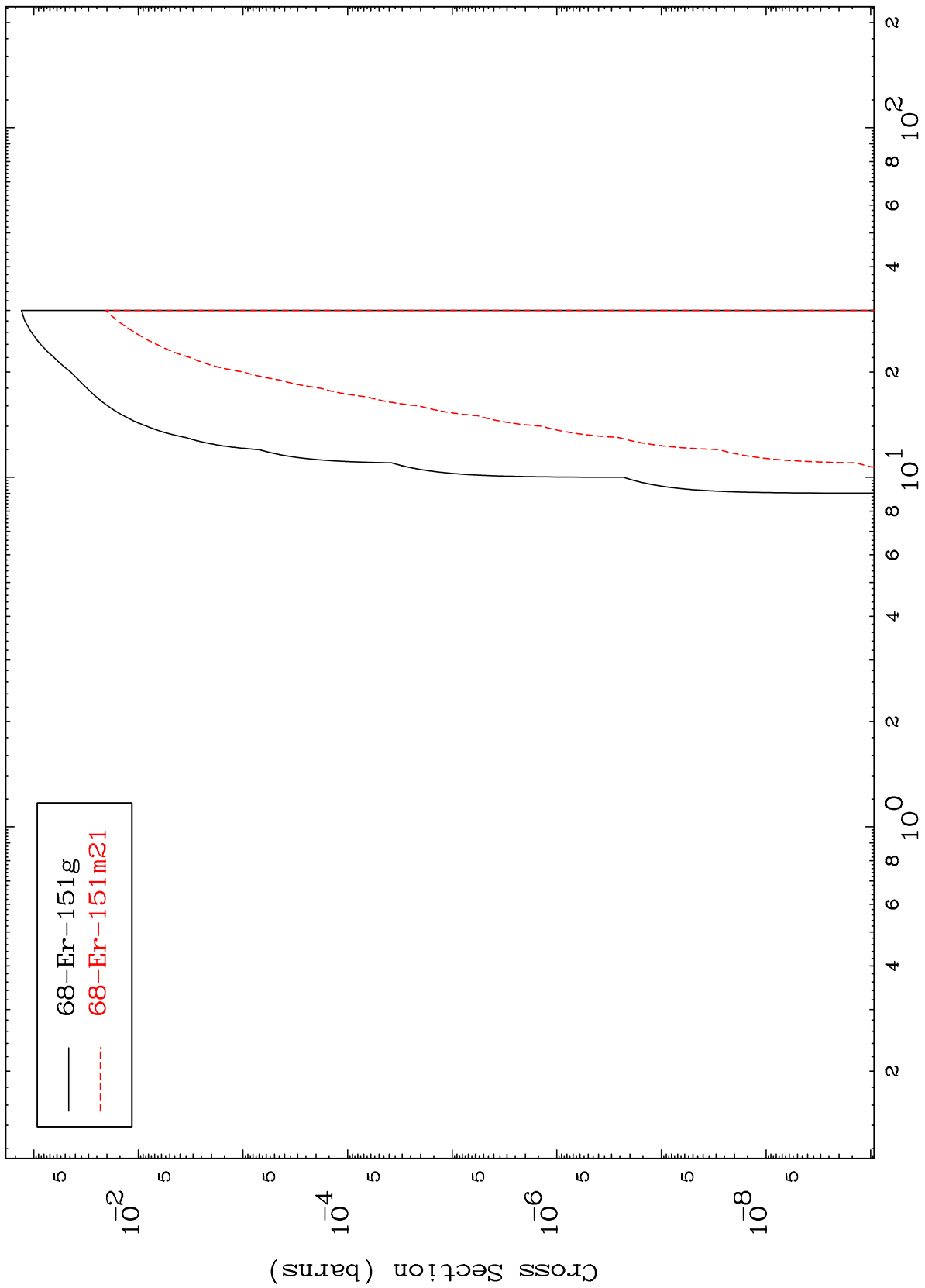
70-Yb-155

MAT 6986

(n,n') p α

70-Yb-155

Radionuclide Production Cross Section



20

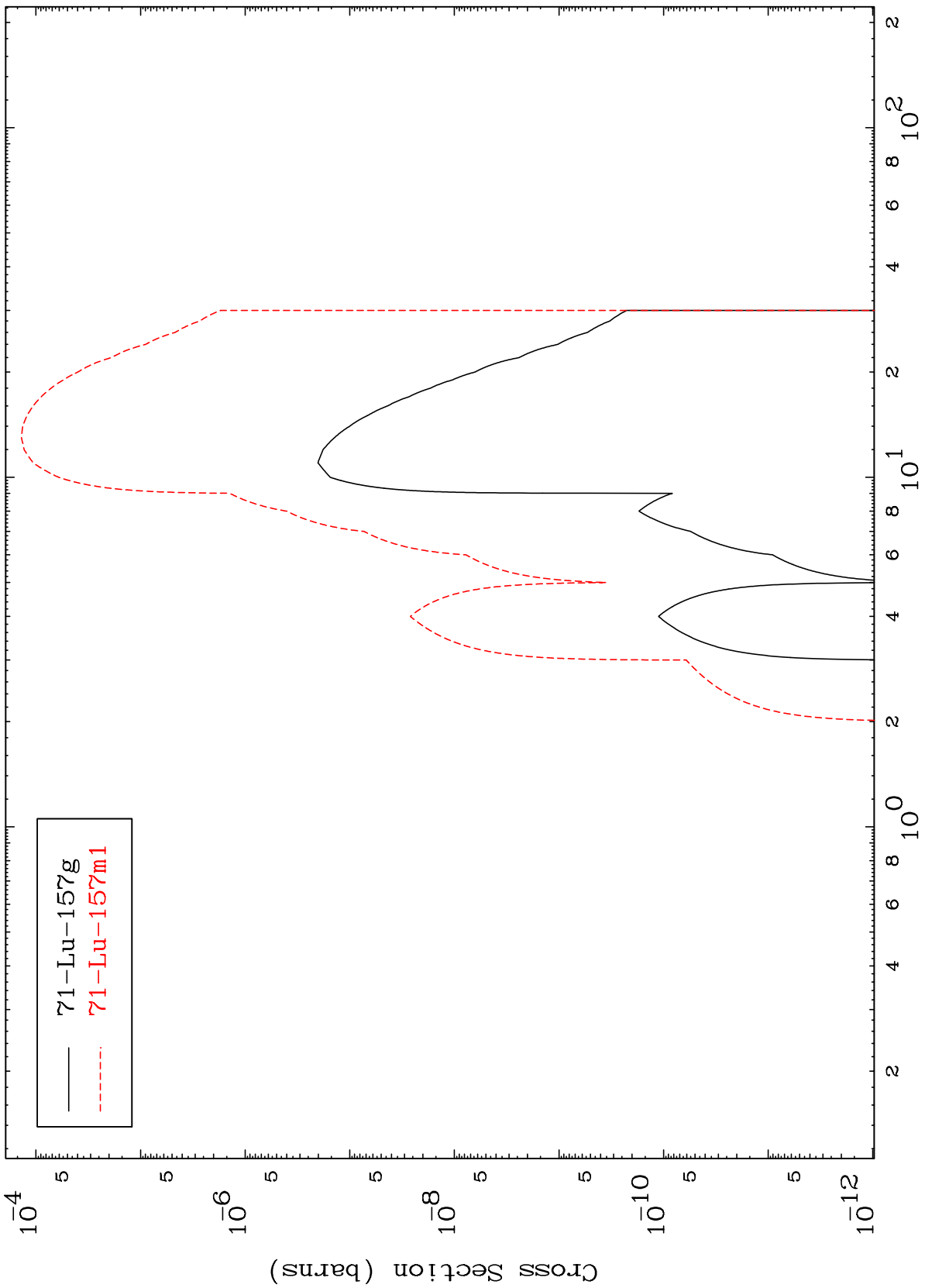
Incident Energy (MeV)

70-Yb-155

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70-Yb-155

(n, γ)
Radionuclide Production Cross Section

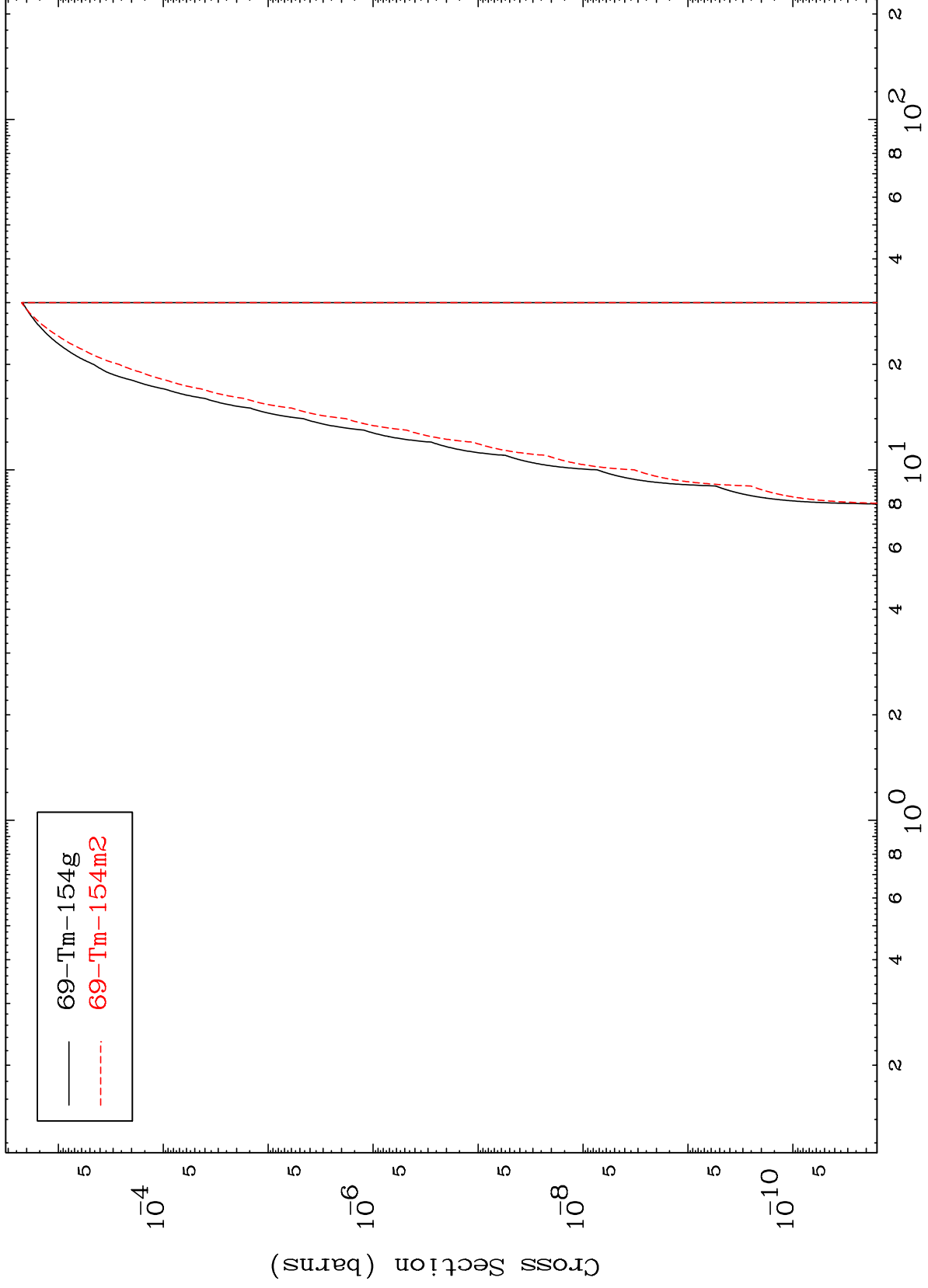


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(n,He-3)

70-Yb-155

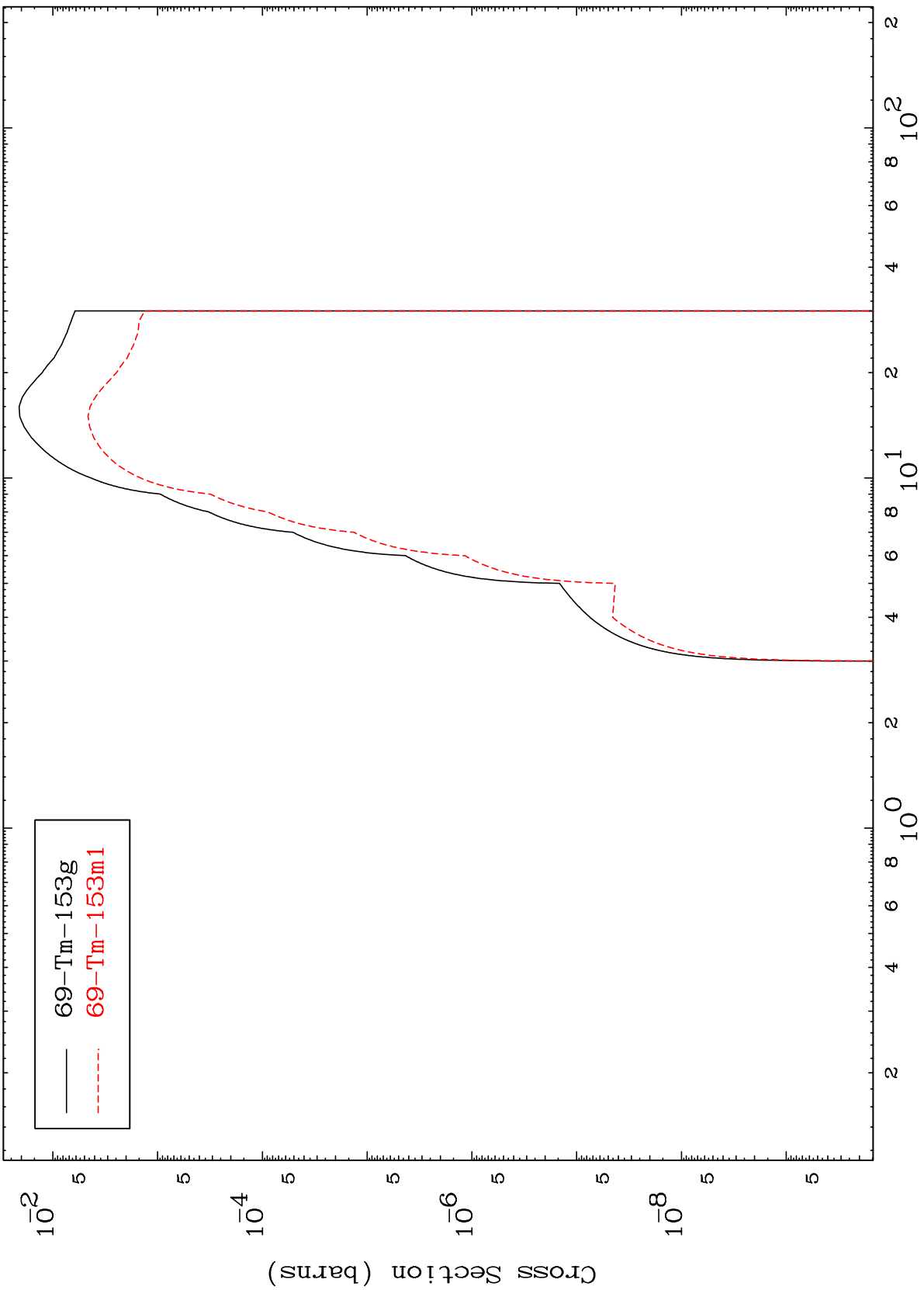
Radionuclide Production Cross Section



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70-Yb-155

(n, α)
Radionuclide Production Cross Section



69-Tm-153g
69-Tm-153m1

70-Yb-155

Incident Energy (MeV)

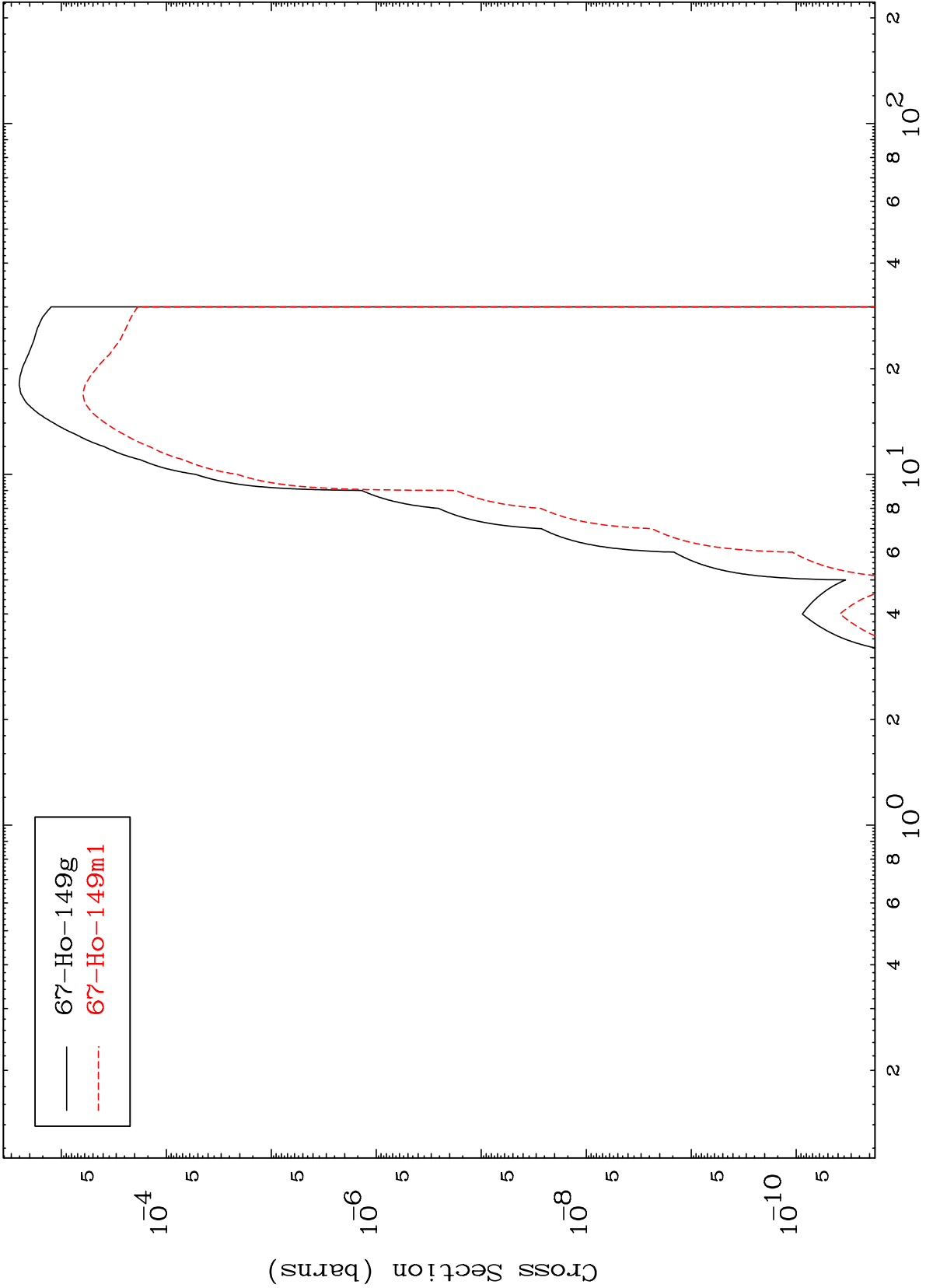
23

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(n,2α)

70-Yb-155

Radionuclide Production Cross Section

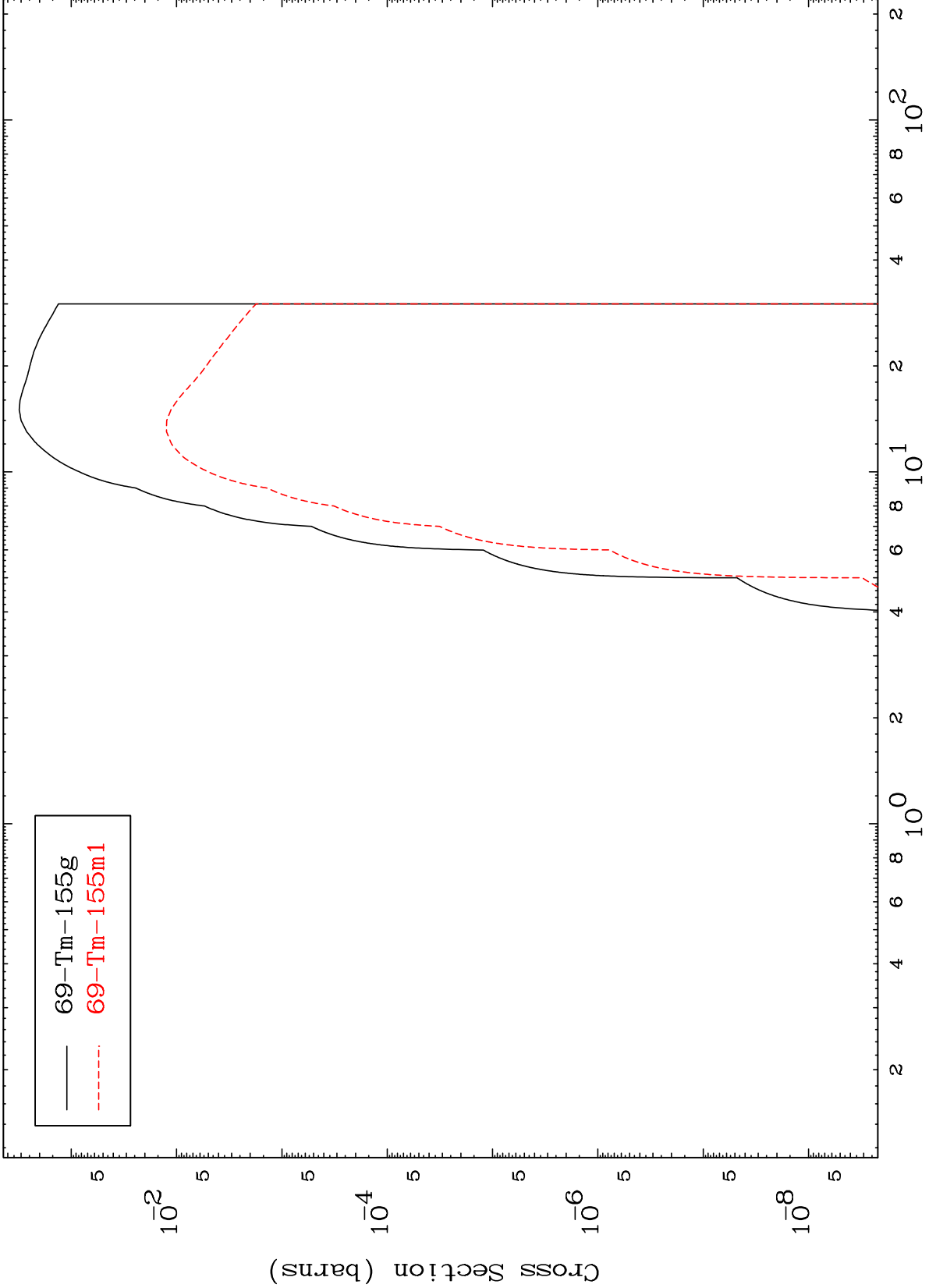


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(n,2p)

70-Yb-155

Radionuclide Production Cross Section

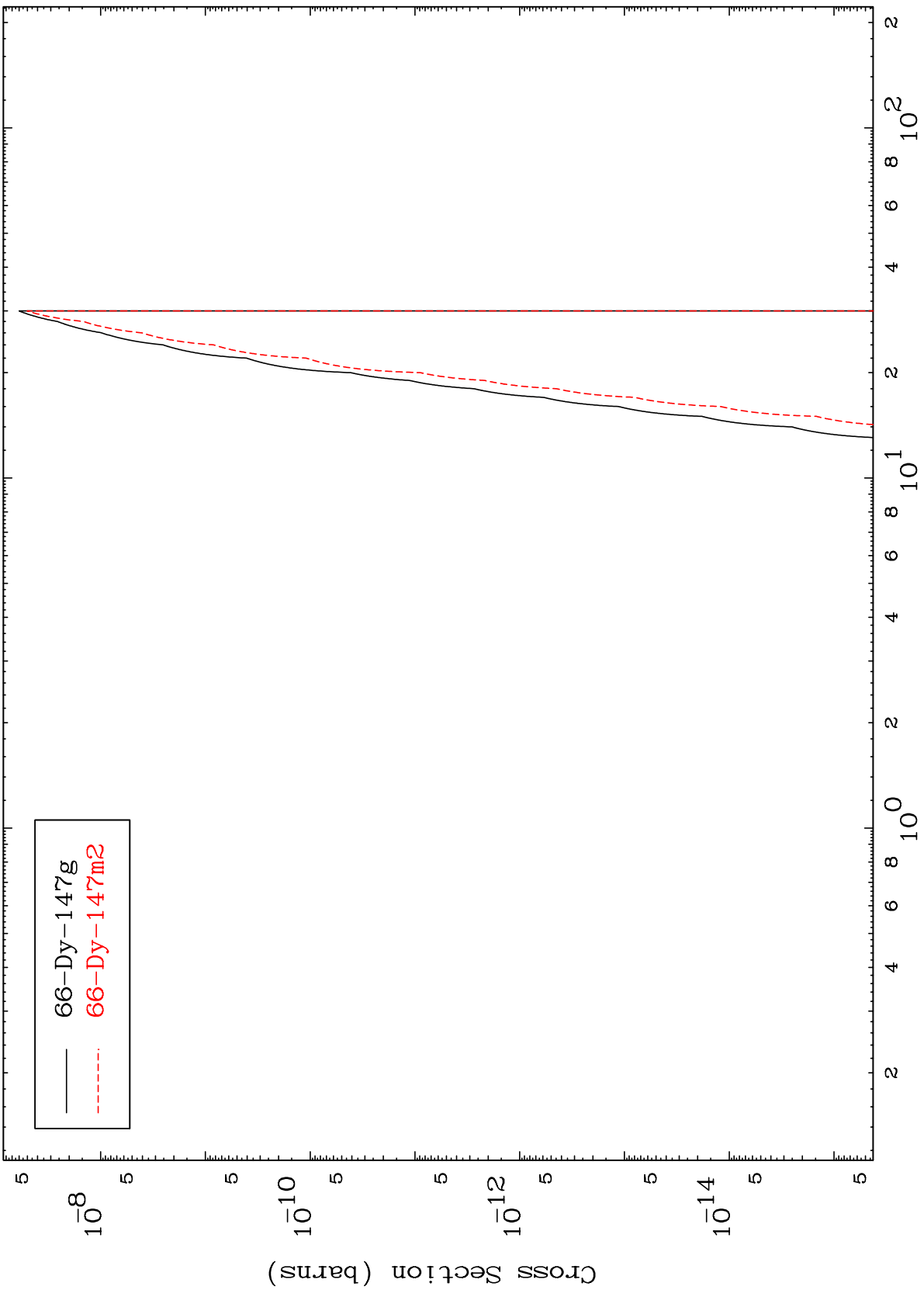


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(n,d) 2α

$^{70}\text{Yb-155}$

Radionuclide Production Cross Section



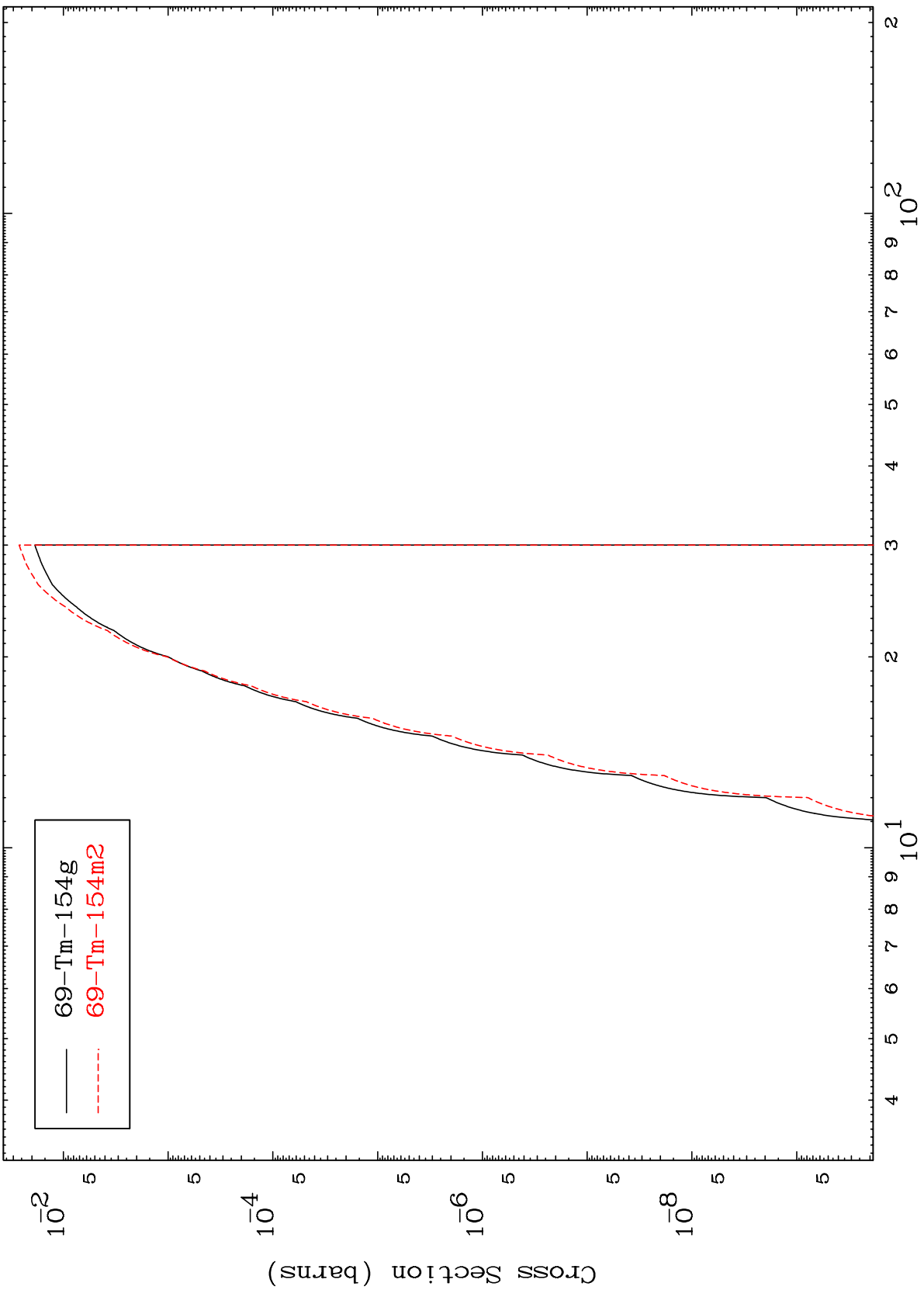
— $^{66}\text{Dy-147g}$
- - - $^{66}\text{Dy-147m2}$

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(n,p) d

70-Yb-155

Radionuclide Production Cross Section



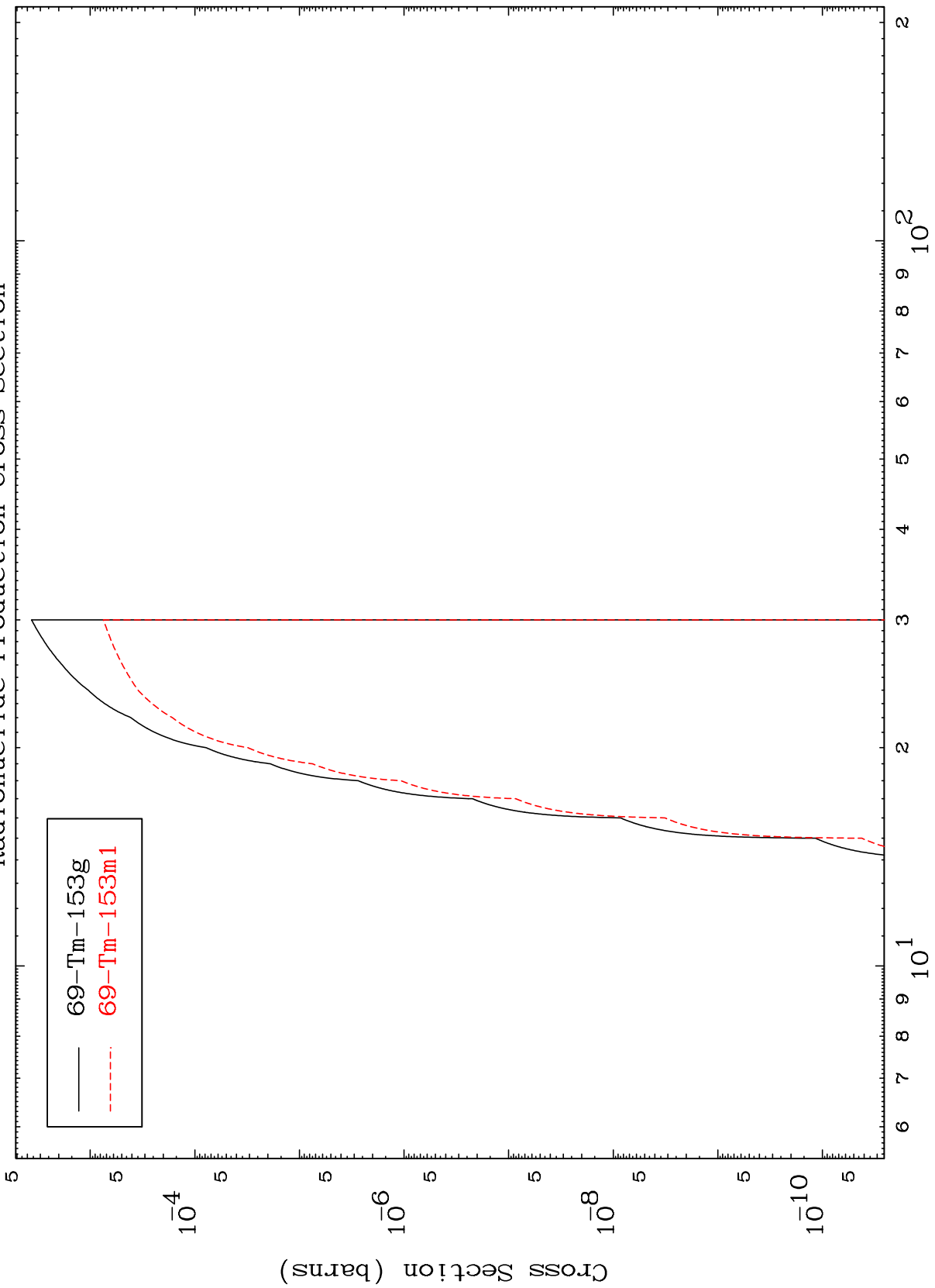
69-Tm-154g
69-Tm-154m2

MAT 6986

(n,p) t

70-Yb-155

Radionuclide Production Cross Section



69-Tm-153g
69-Tm-153m1

28

Incident Energy (MeV)

70-Yb-155

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(n,d) α

70-Yb-155

