

Program EVALPLOT
(Version 2021-1)

by

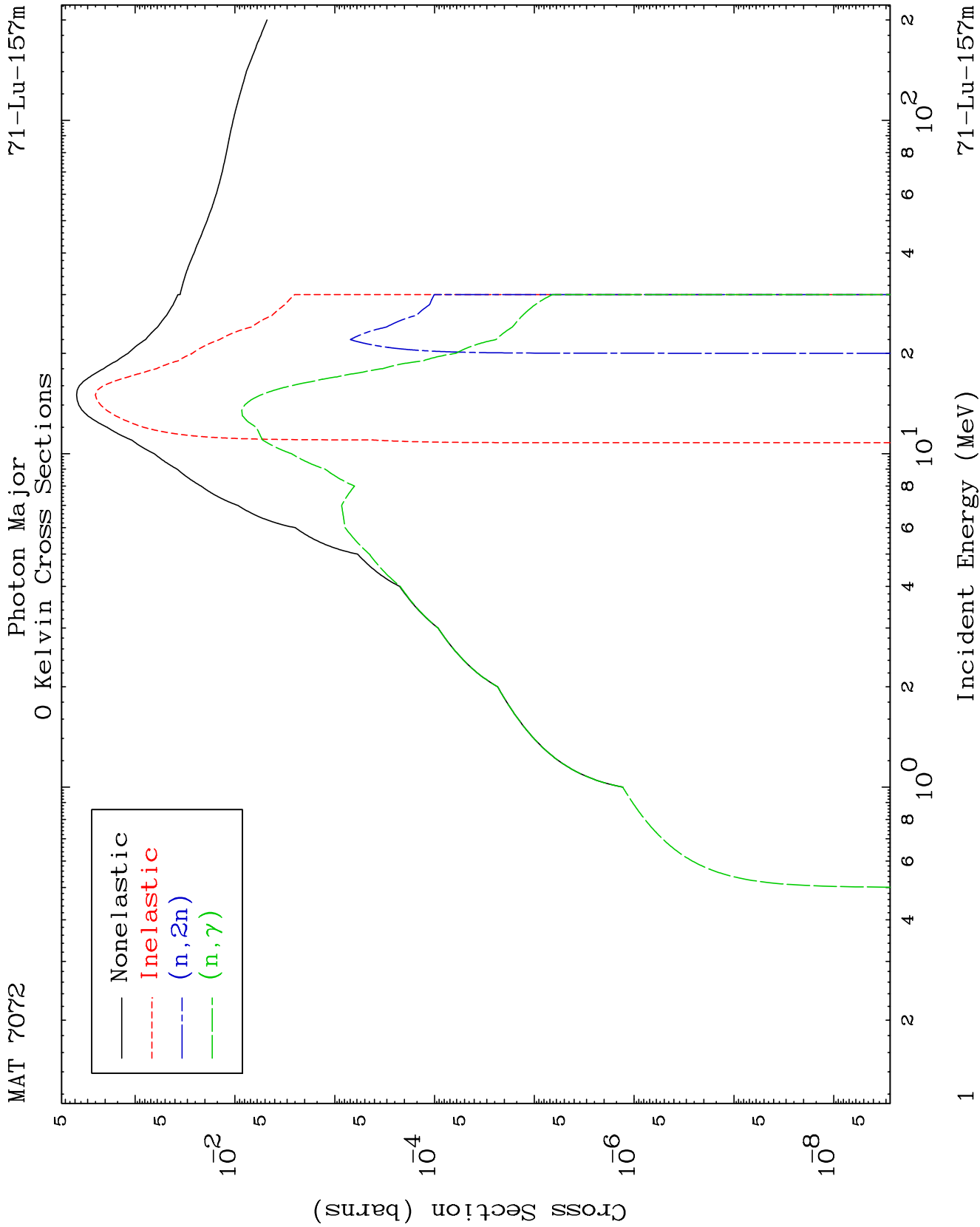
Dermott E. Cullen
(Present Contact Information)

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Livermore, CA 94550
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Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
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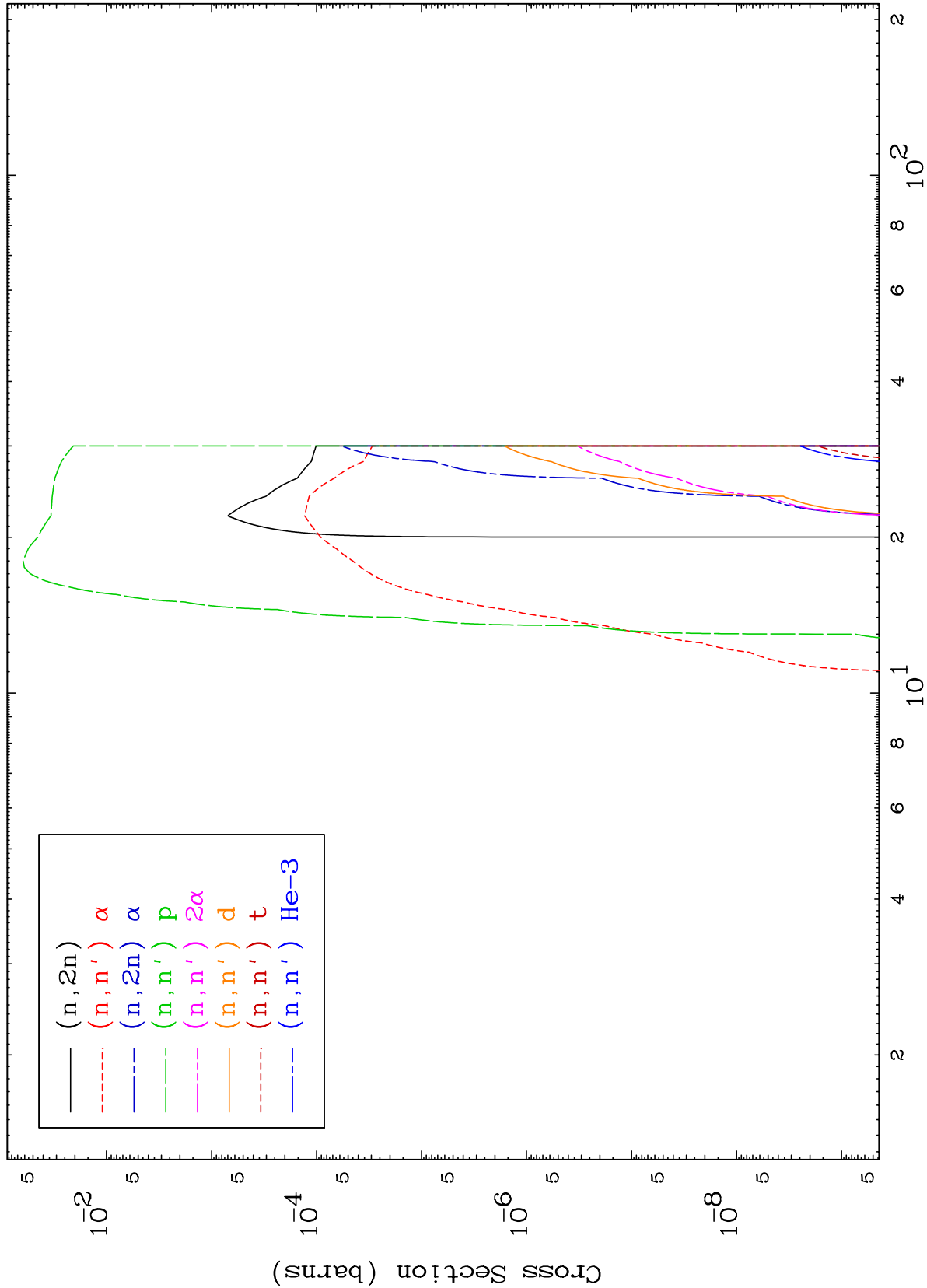
Press Mouse Button to Start

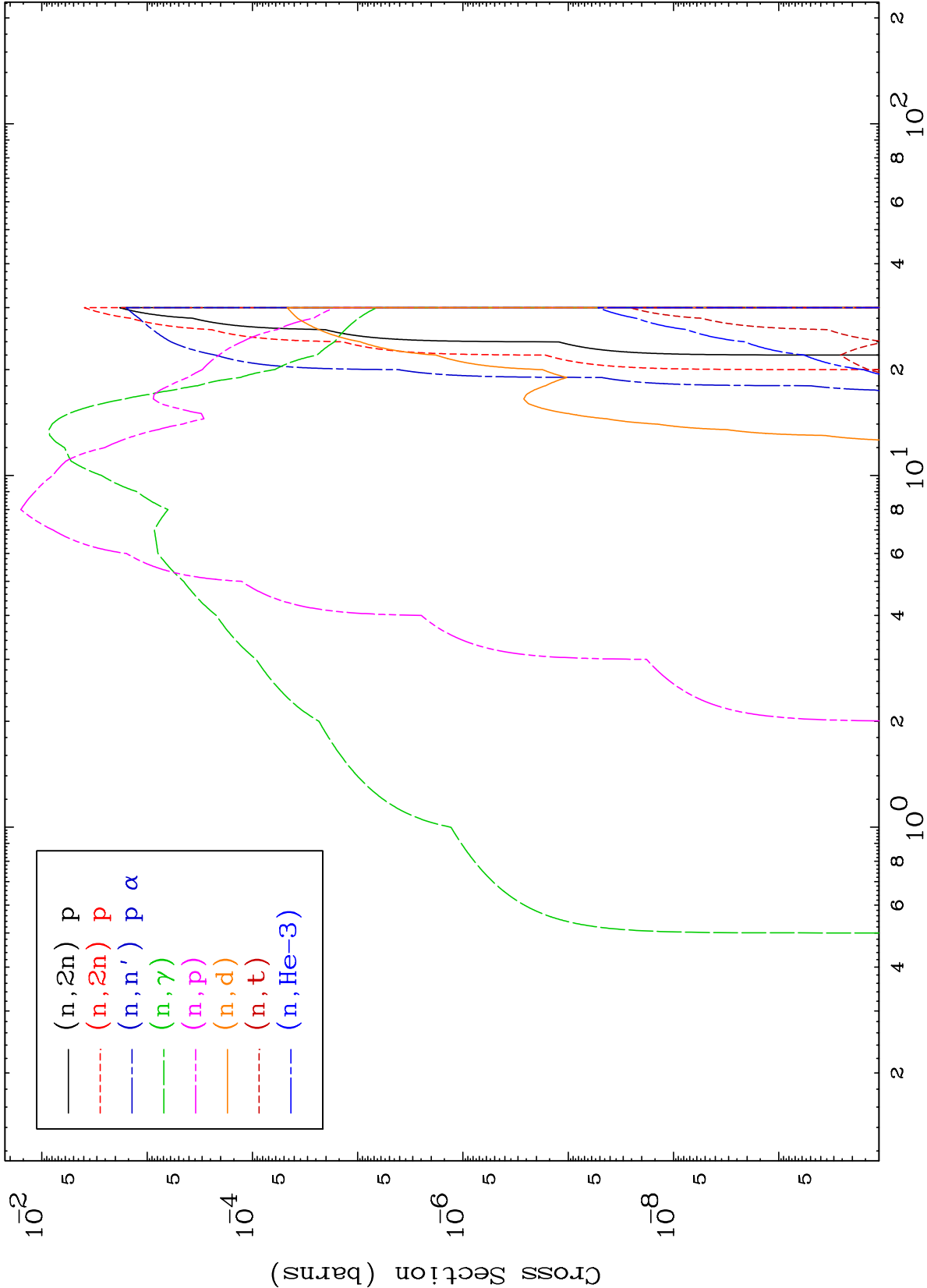


MAT 7072

Photon Neutron Absorption
0 Kelvin Cross Sections

71-Lu-157m

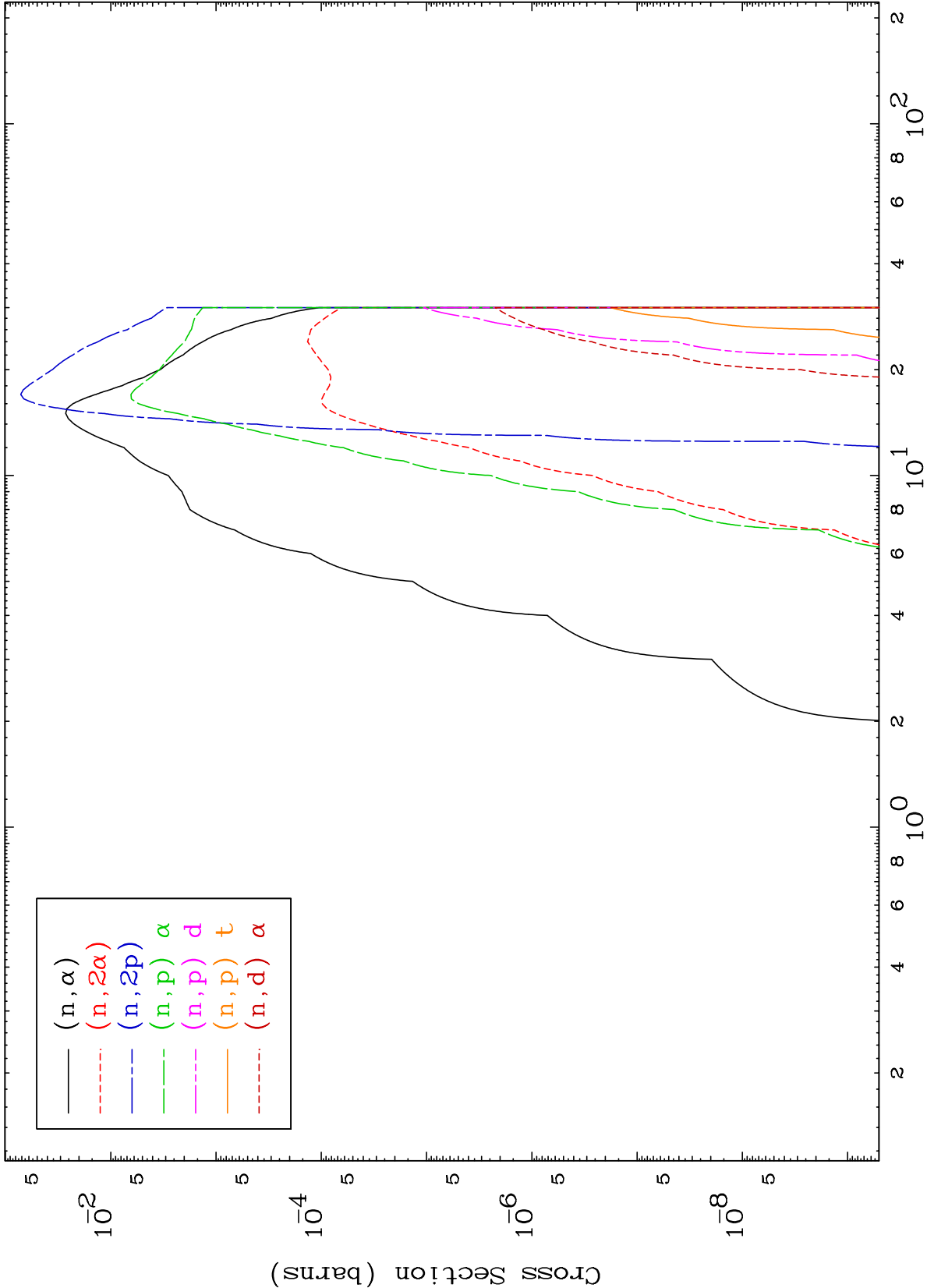




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Photon Neutron Absorption
0 Kelvin Cross Sections

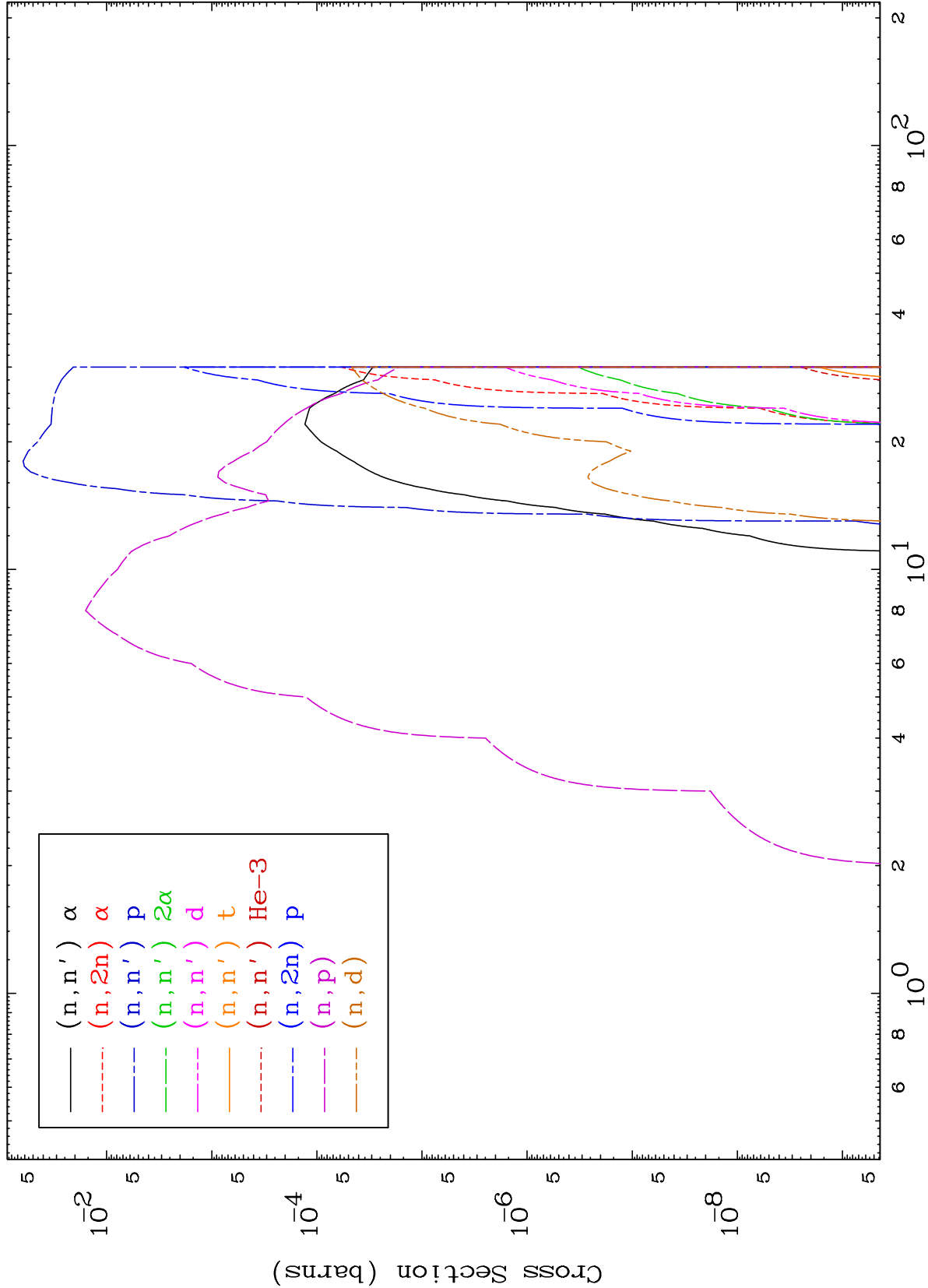
⁷¹Lu-157m



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Photon Charged Particle
0 Kelvin Cross Sections

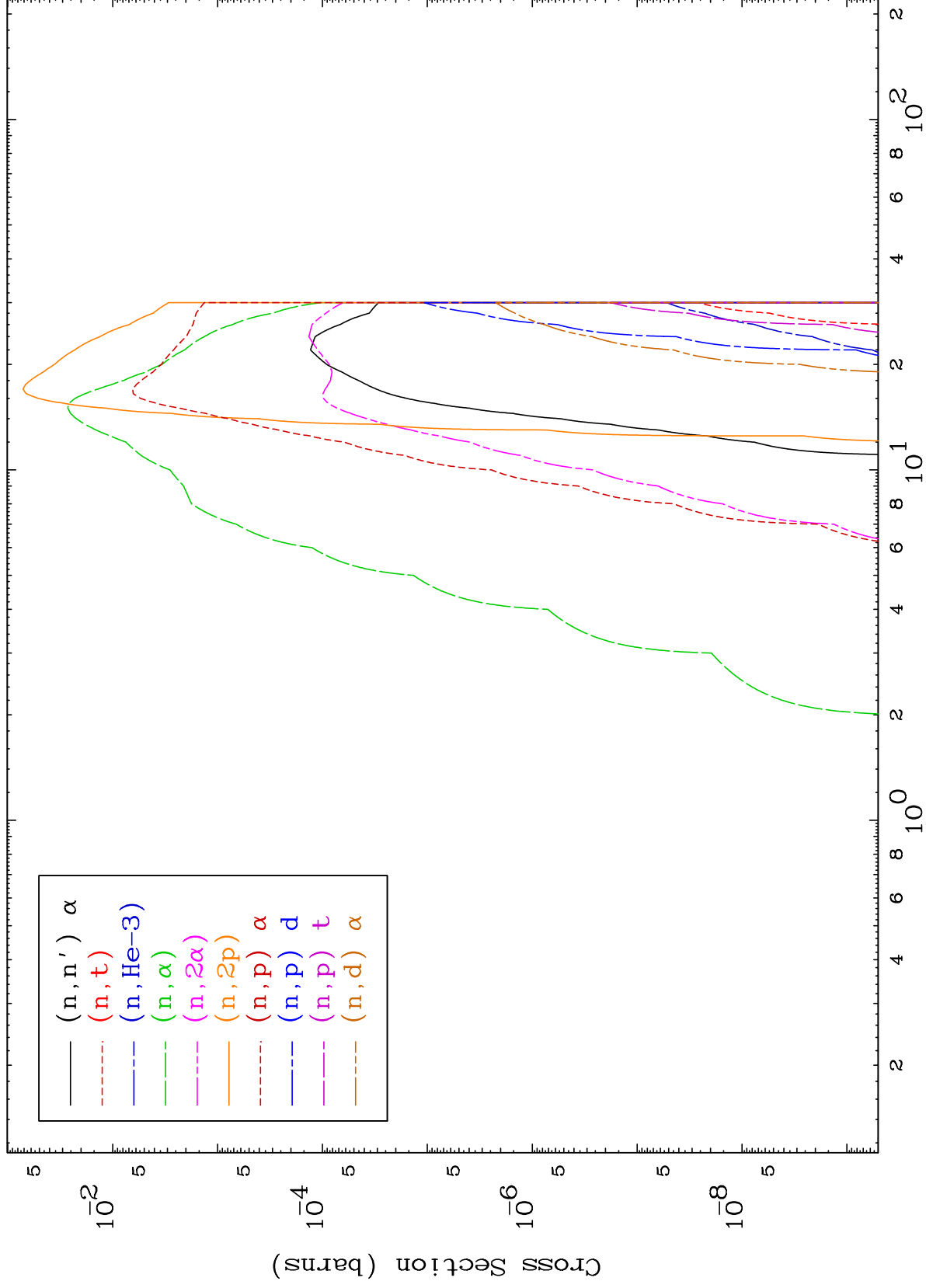
71-Lu-157m

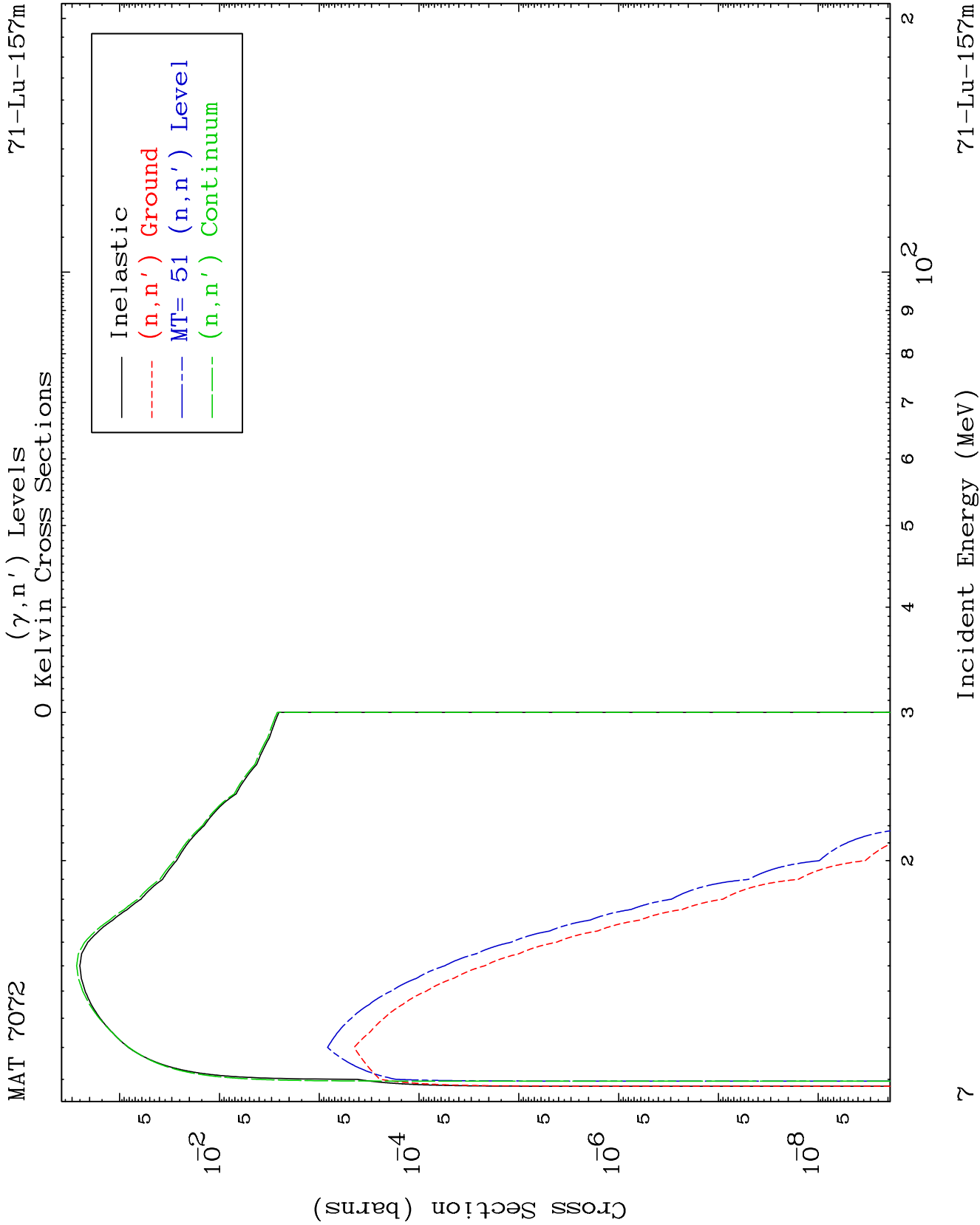


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Photon Charged Particle
0 Kelvin Cross Sections

71-Lu-157m



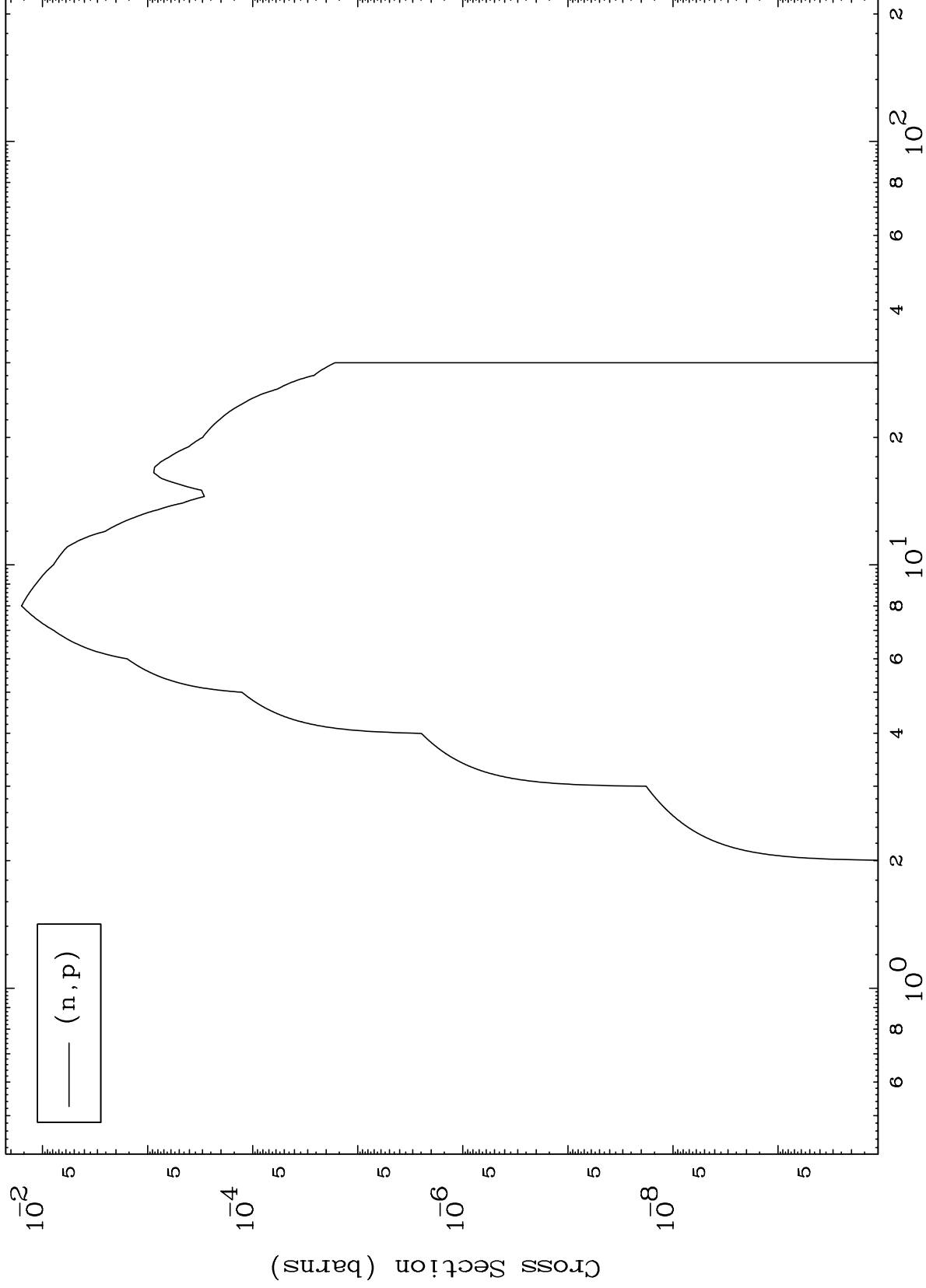


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(γ, p) Levels

71-Lu-157m

0 Kelvin Cross Sections



8

Incident Energy (MeV)

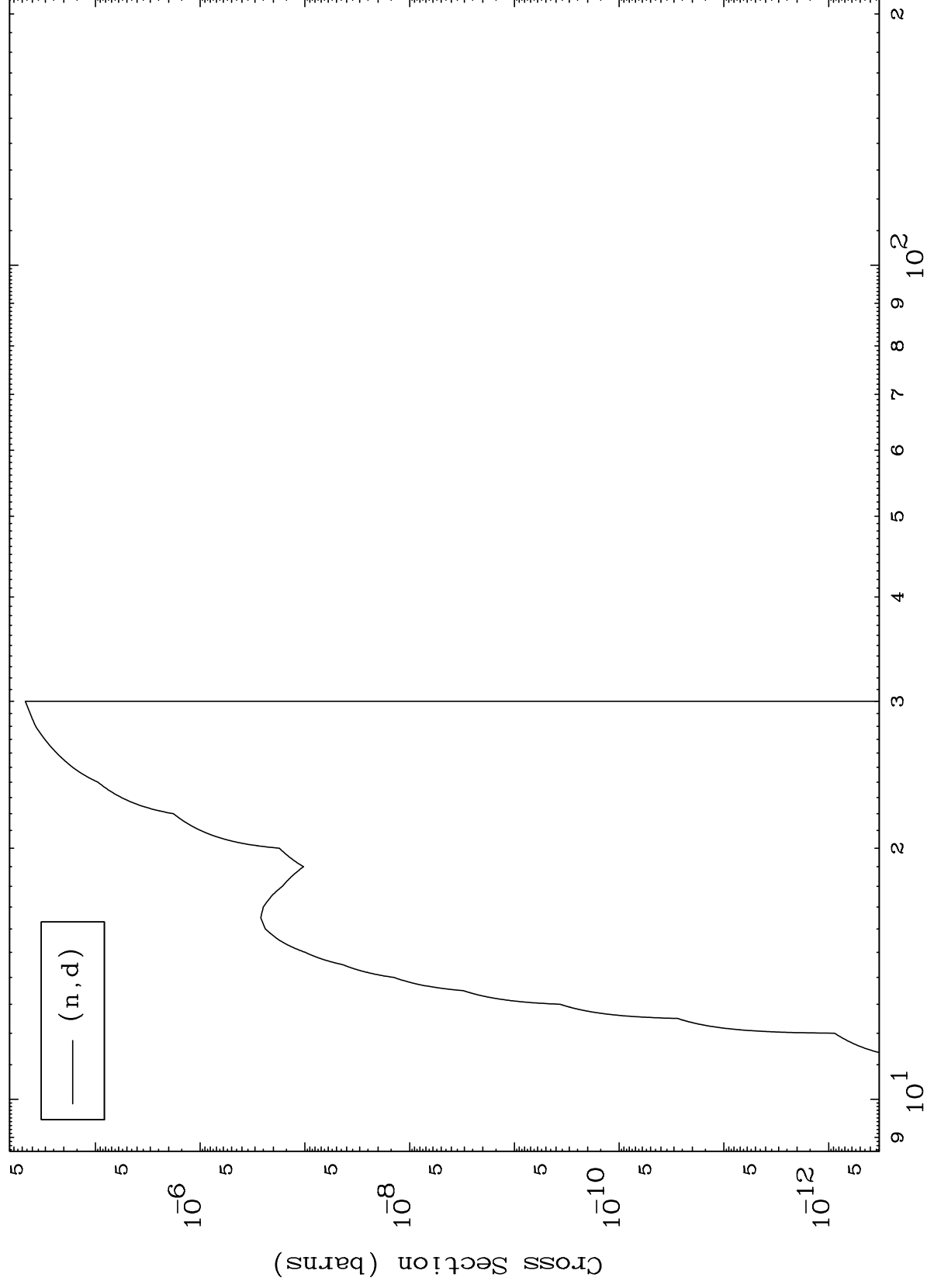
71-Lu-157m

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(γ, d) Levels

71-Lu-157m

0 Kelvin Cross Sections



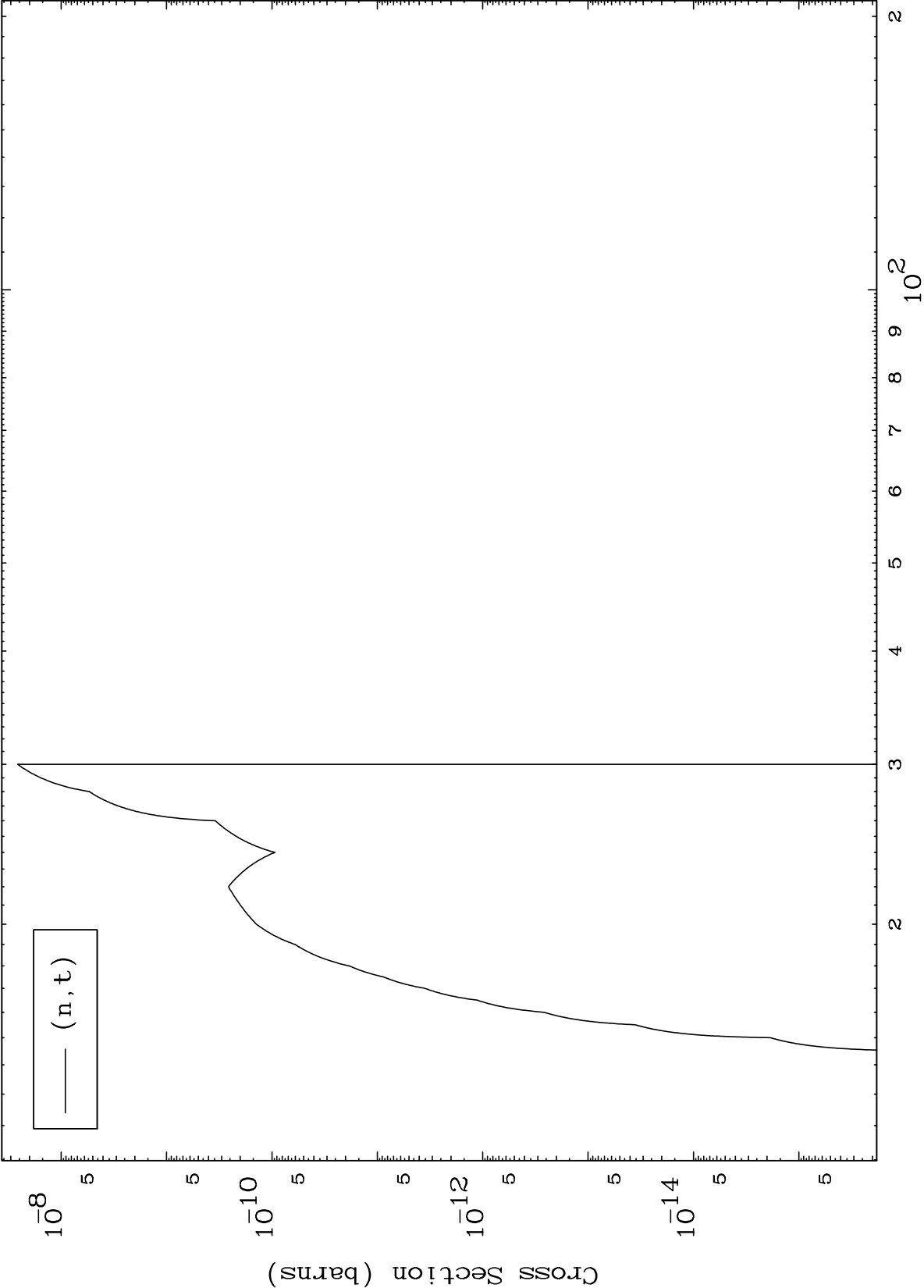
Incident Energy (MeV)

71-Lu-157m

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(γ, t) Levels
0 Kelvin Cross Sections

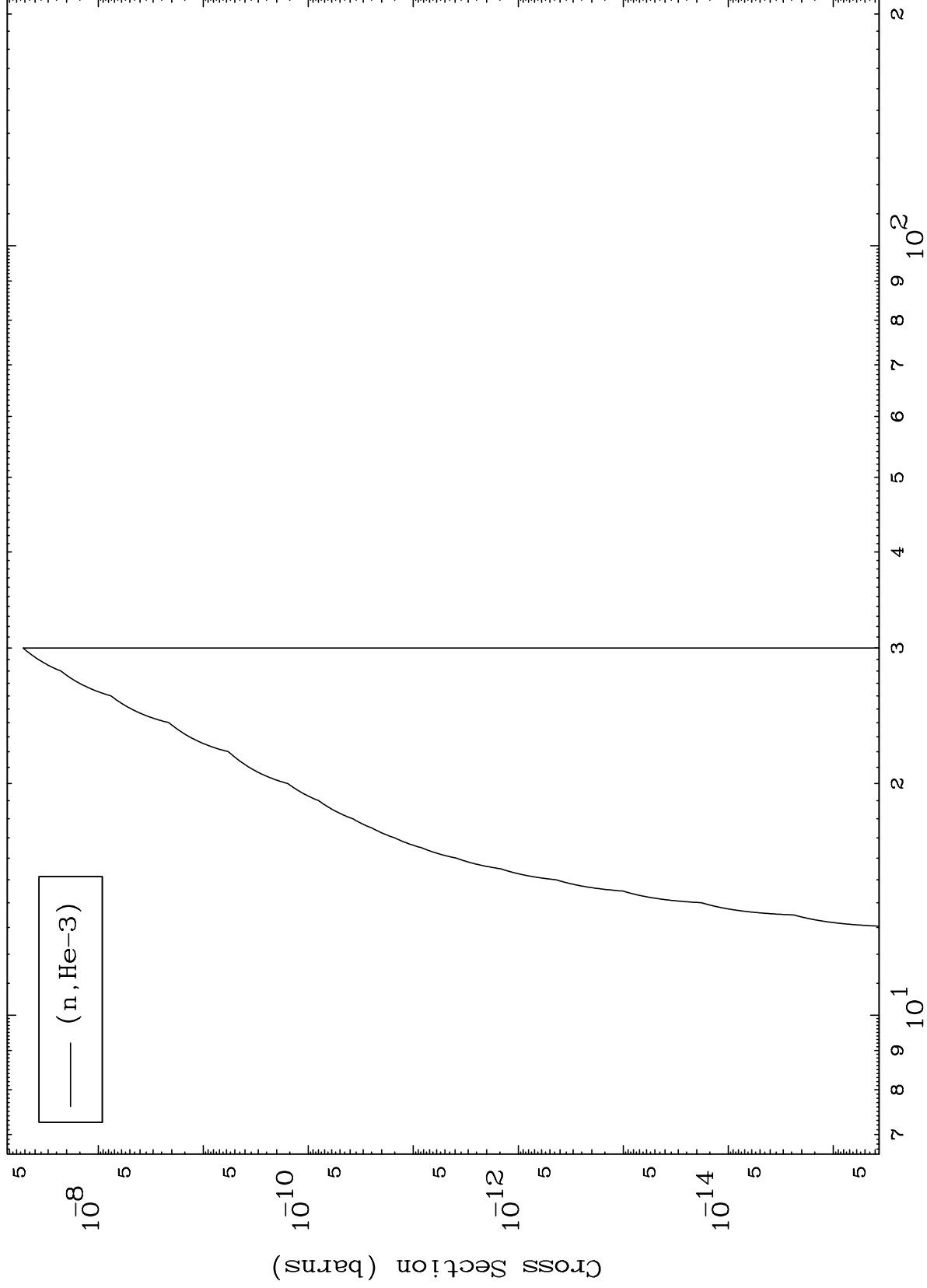
71-Lu-157m



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71-Lu-157m

(γ ,He3) Levels
0 Kelvin Cross Sections



11

Incident Energy (MeV)

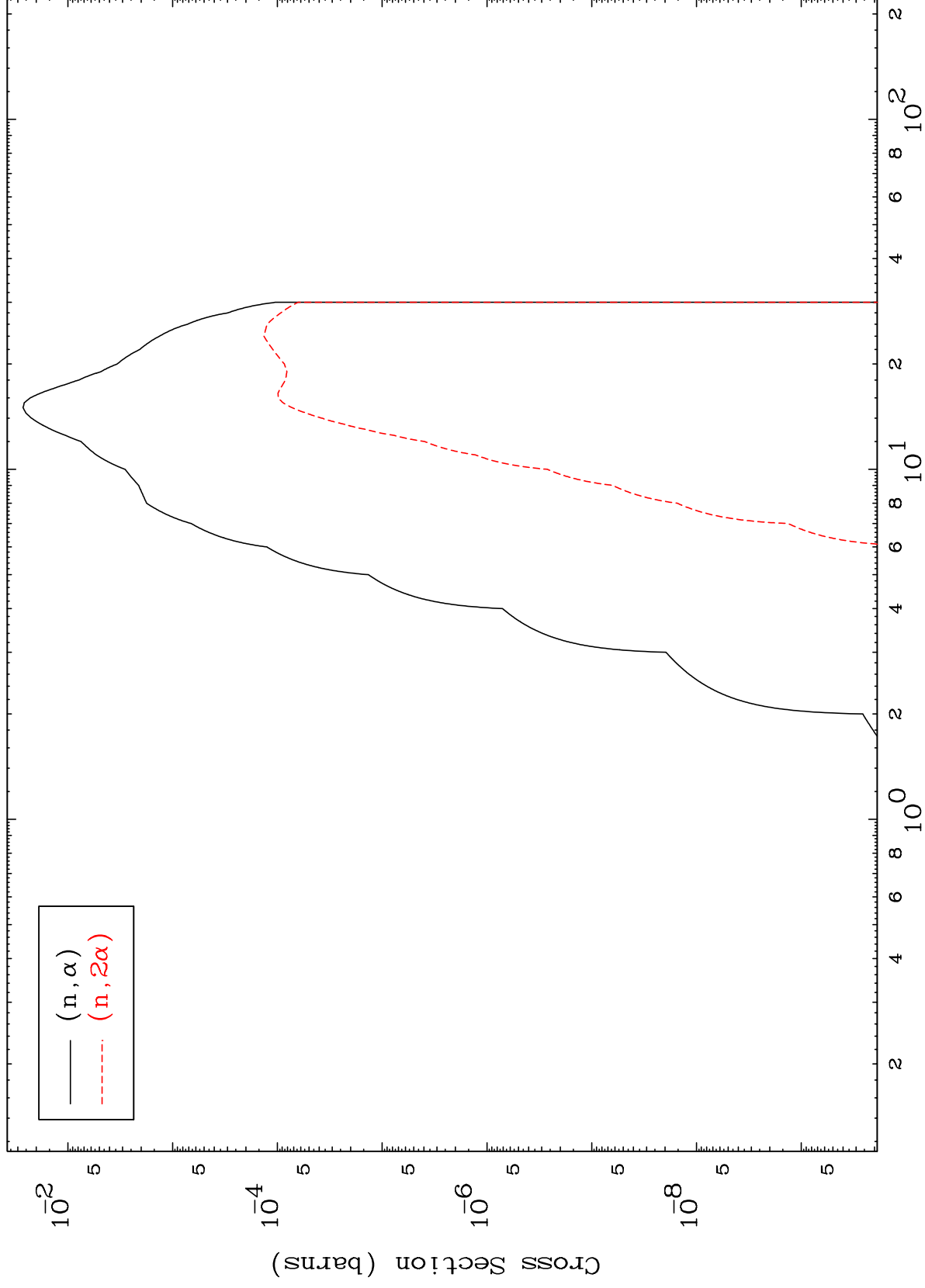
71-Lu-157m

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(γ, α) Levels

$^{71}\text{Lu}-^{157}\text{m}$

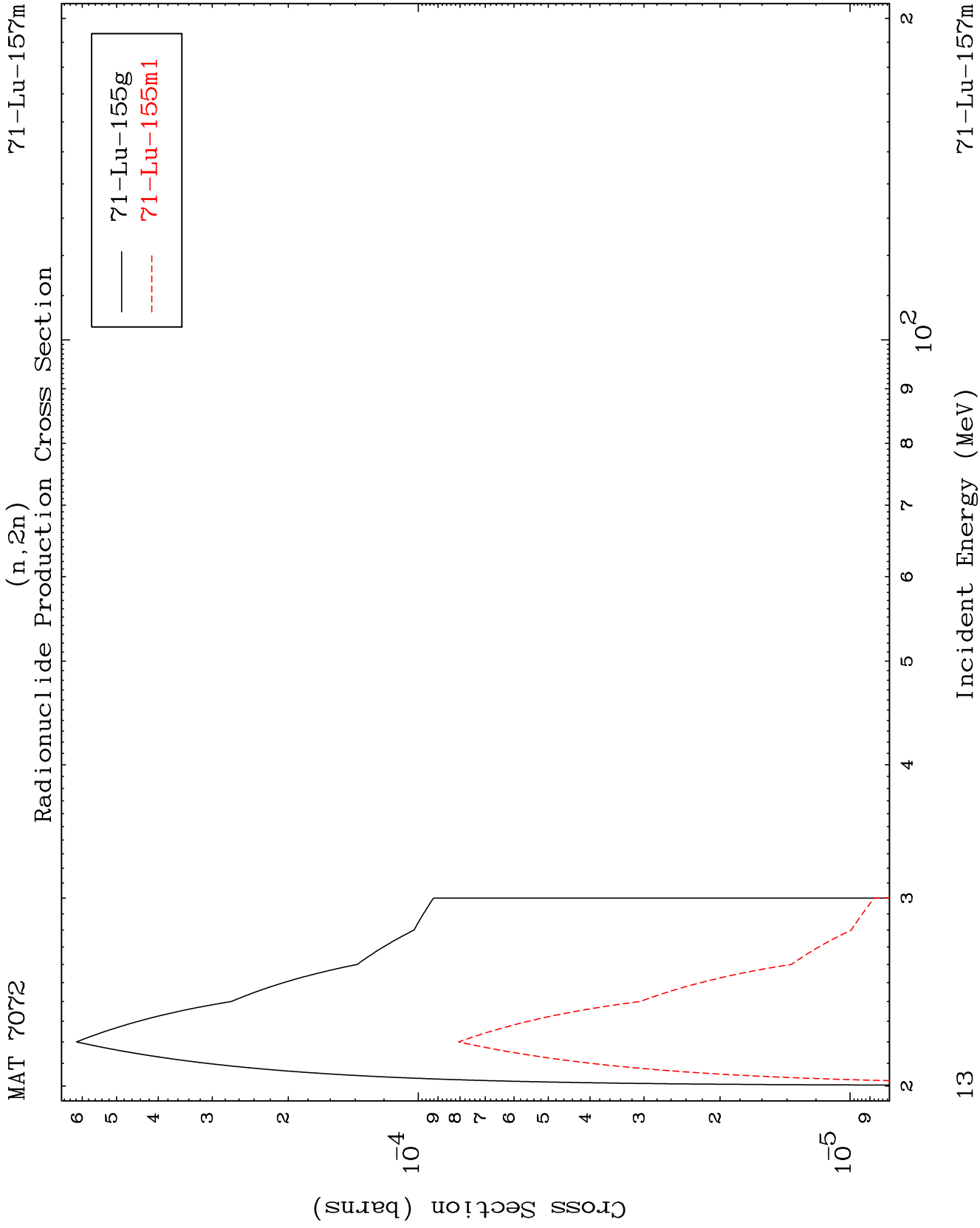
0 Kelvin Cross Sections

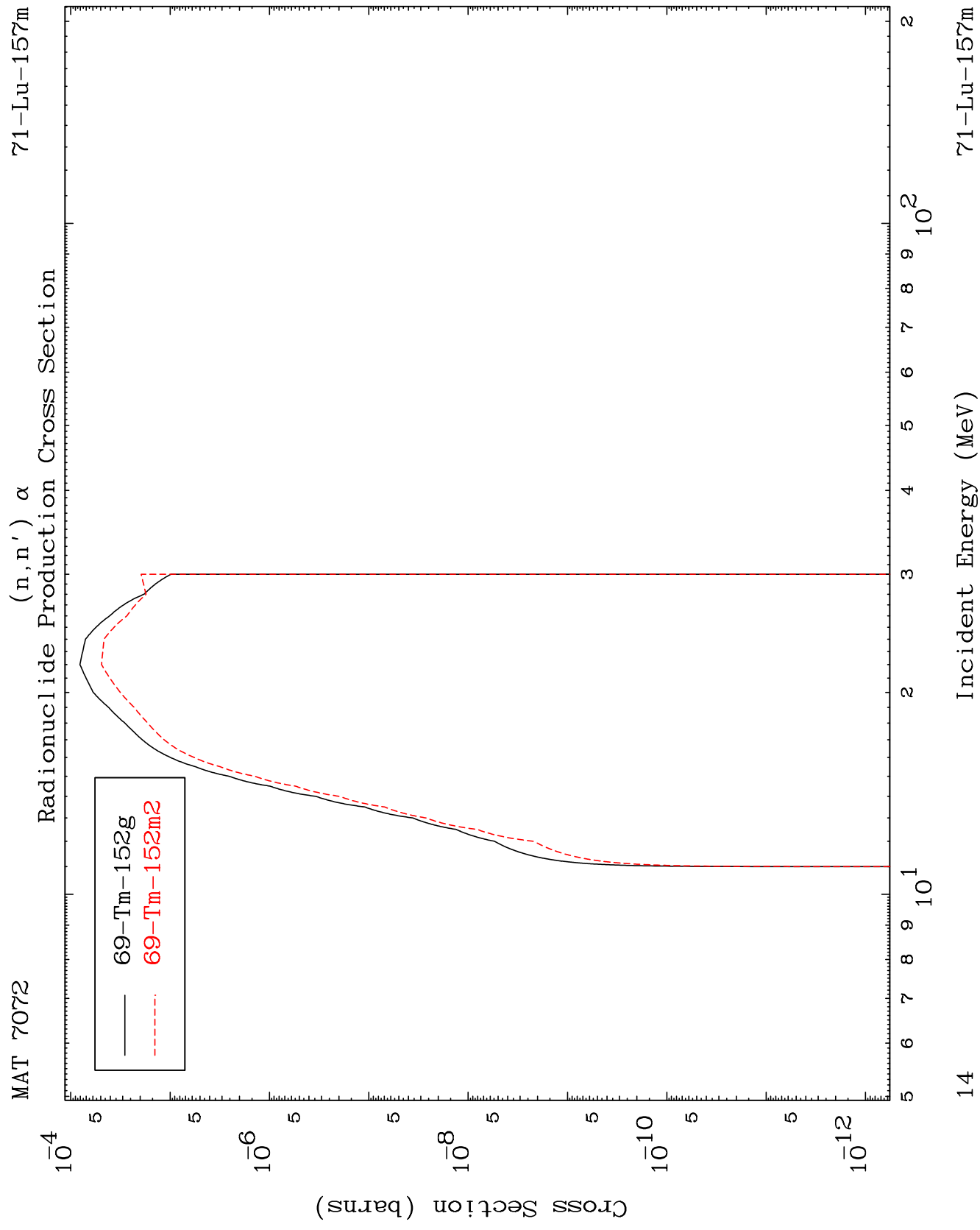


12

Incident Energy (MeV)

$^{71}\text{Lu}-^{157}\text{m}$

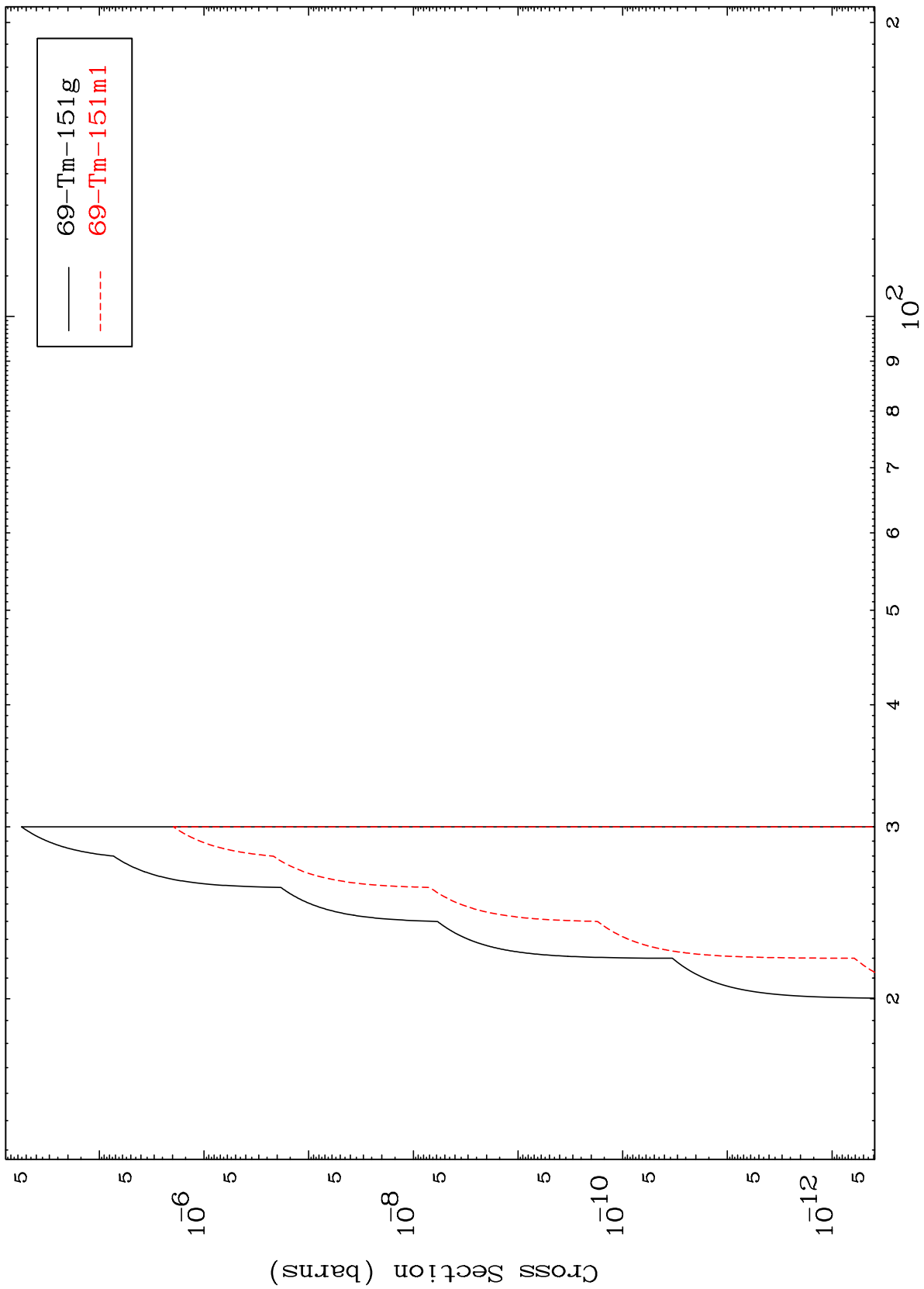




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71-Lu-157m

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



15

Incident Energy (MeV)

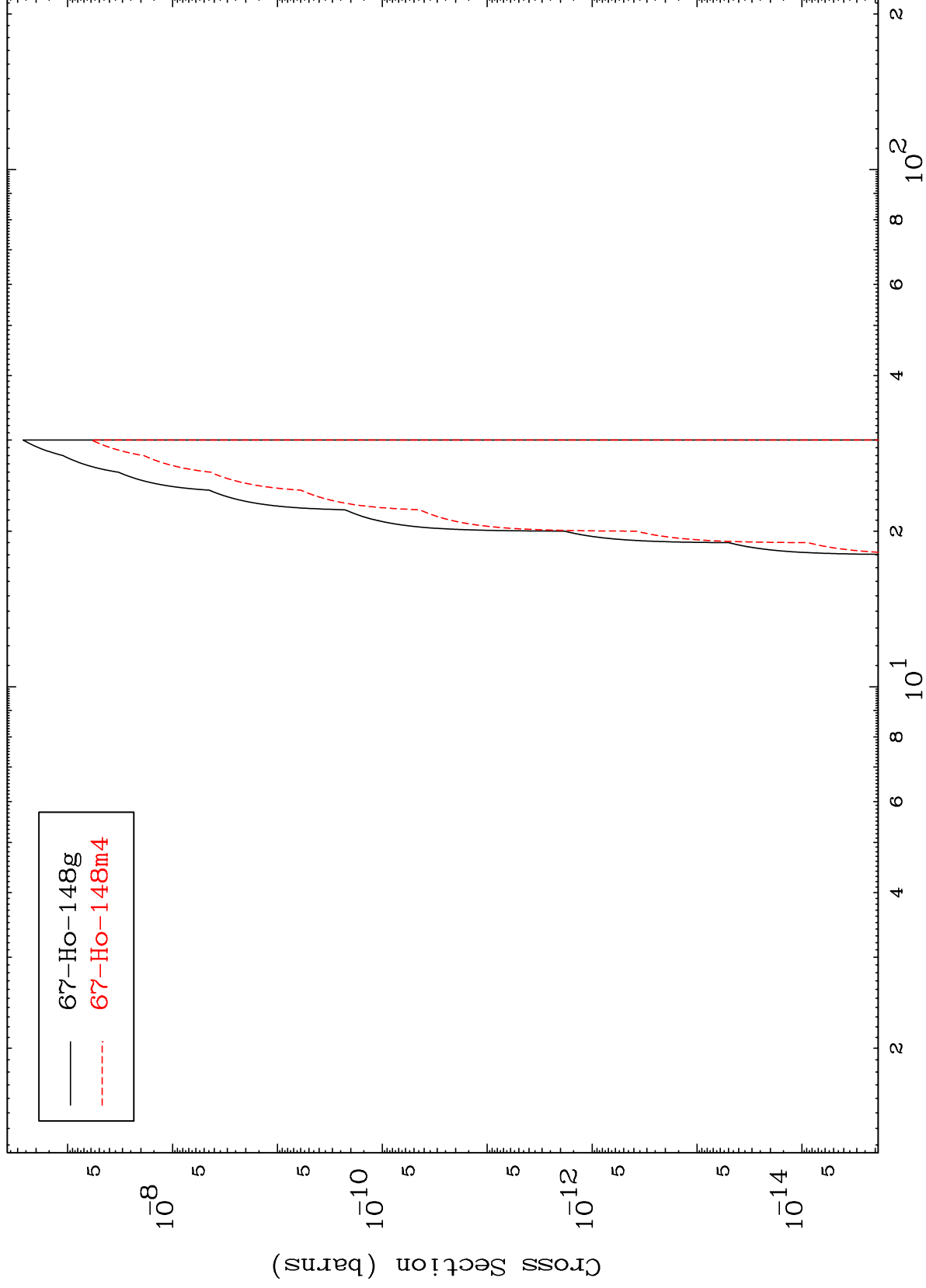
71-Lu-157m

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(n,n') 2 α

71-Lu-157m

Radionuclide Production Cross Section



16

Incident Energy (MeV)

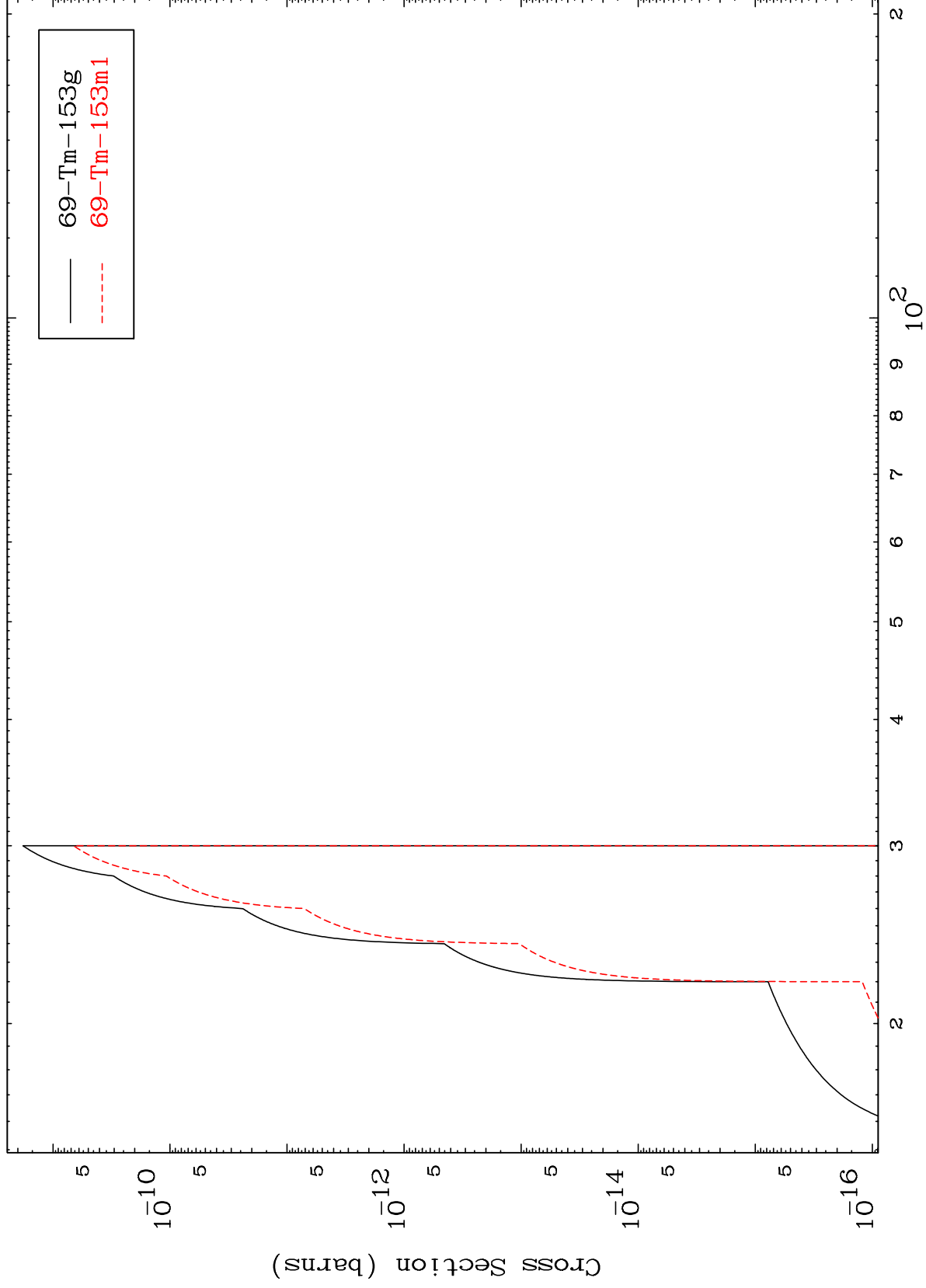
71-Lu-157m

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(n,n') He-3

71-Lu-157m

Radionuclide Production Cross Section



17

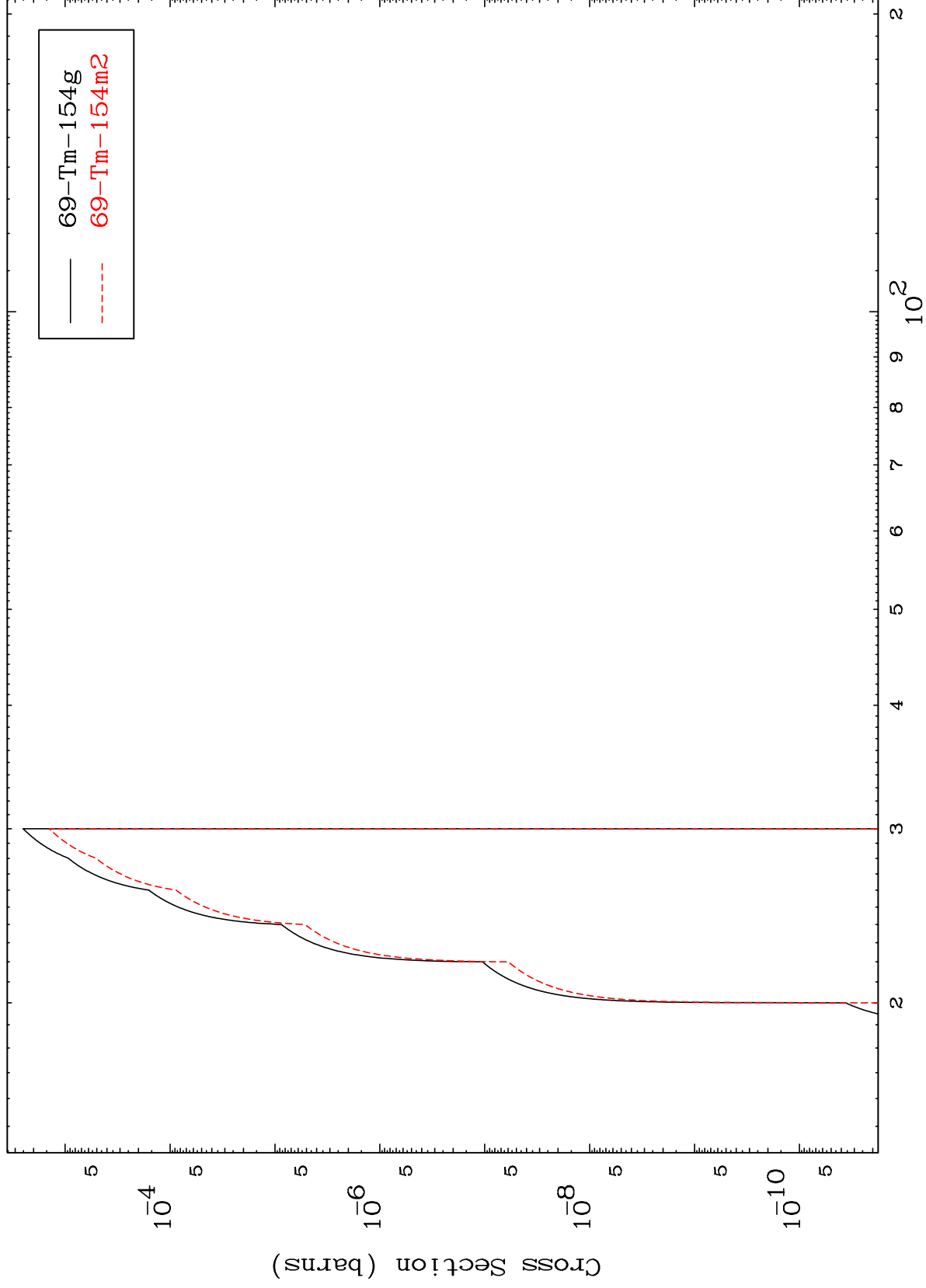
Incident Energy (MeV)

71-Lu-157m

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71-Lu-157m

(n,2n) p
Radionuclide Production Cross Section



18

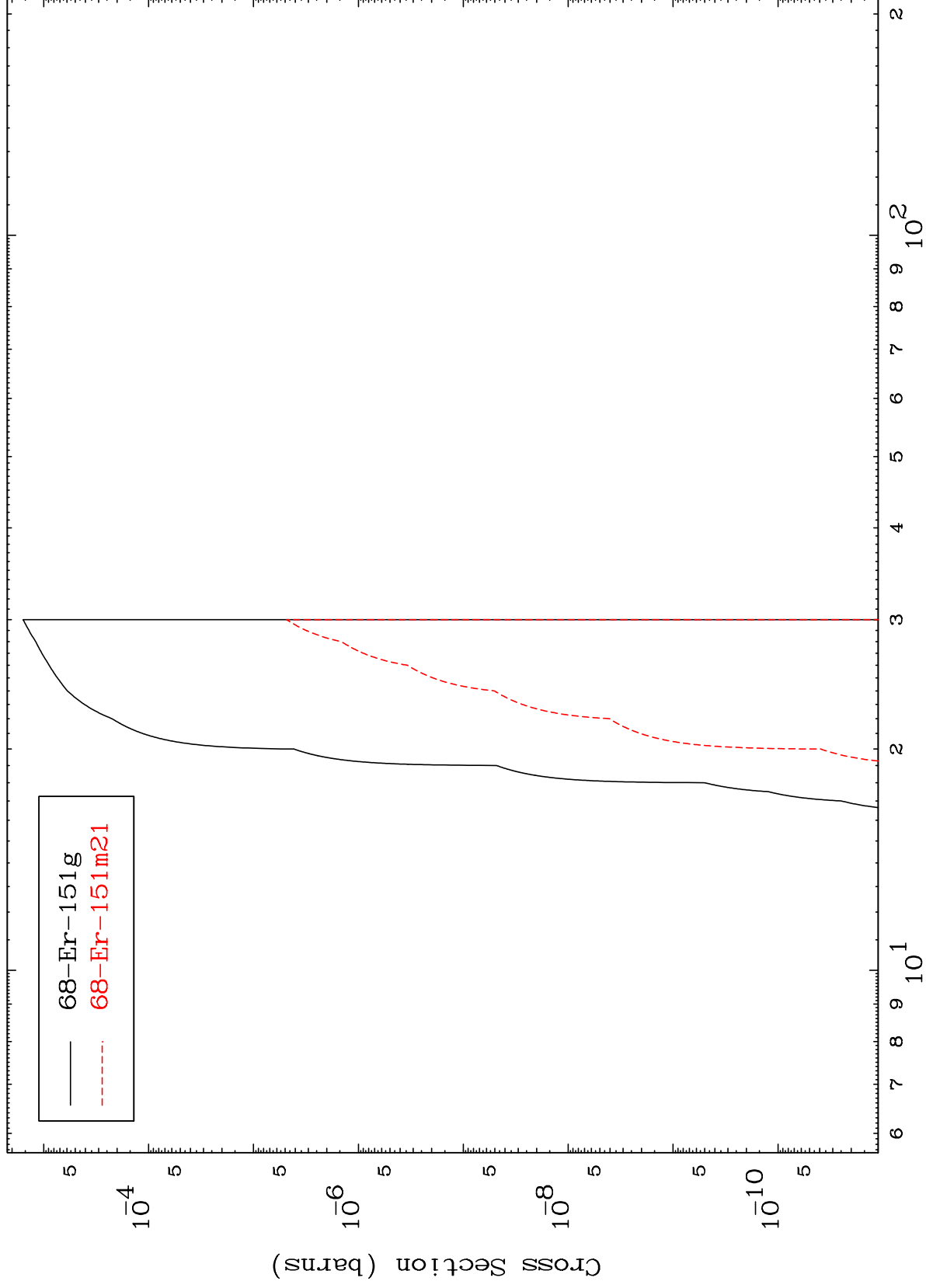
Incident Energy (MeV)

71-Lu-157m

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71-Lu-157m

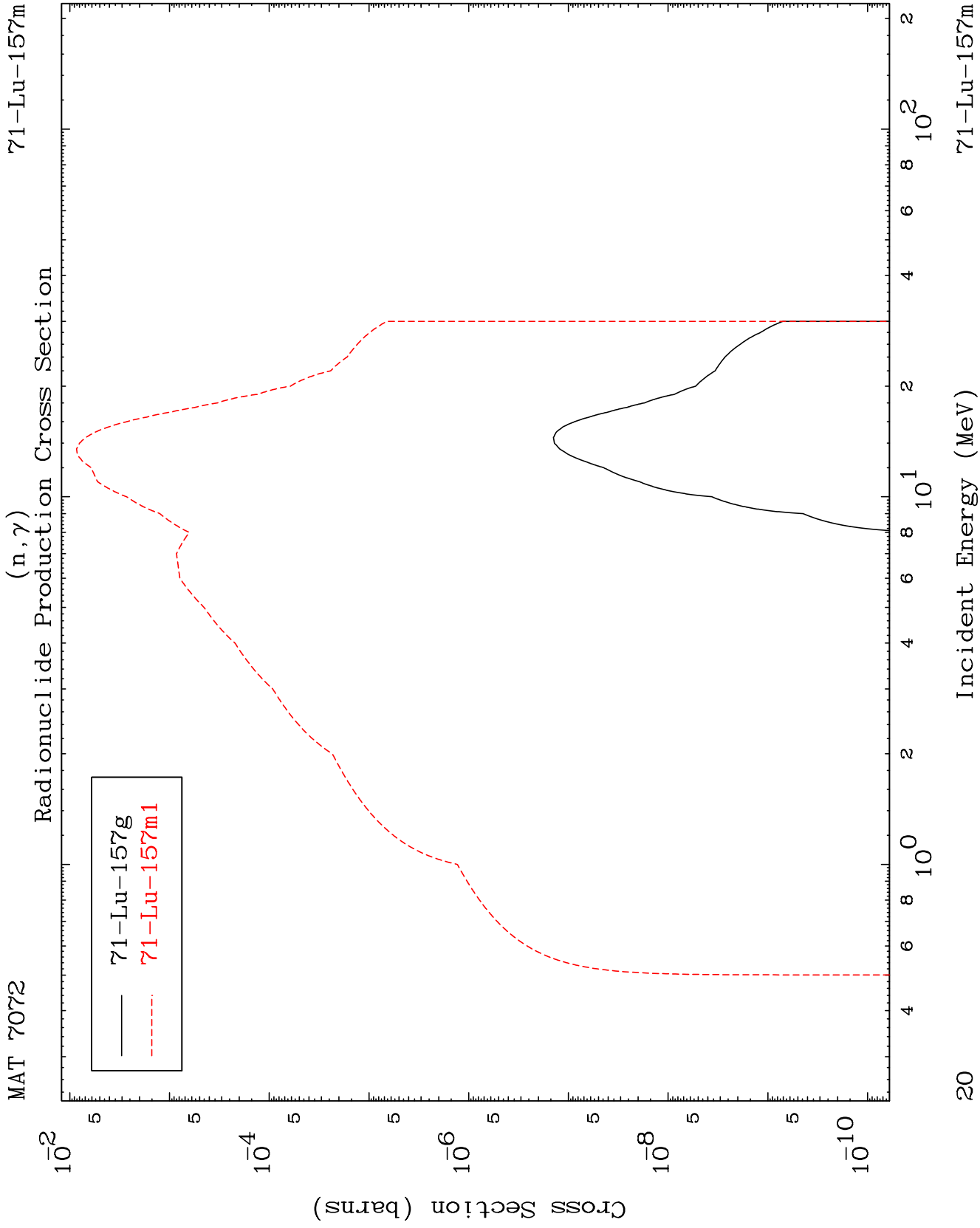
(n,n') p α
Radionuclide Production Cross Section



71-Lu-157m

Incident Energy (MeV)

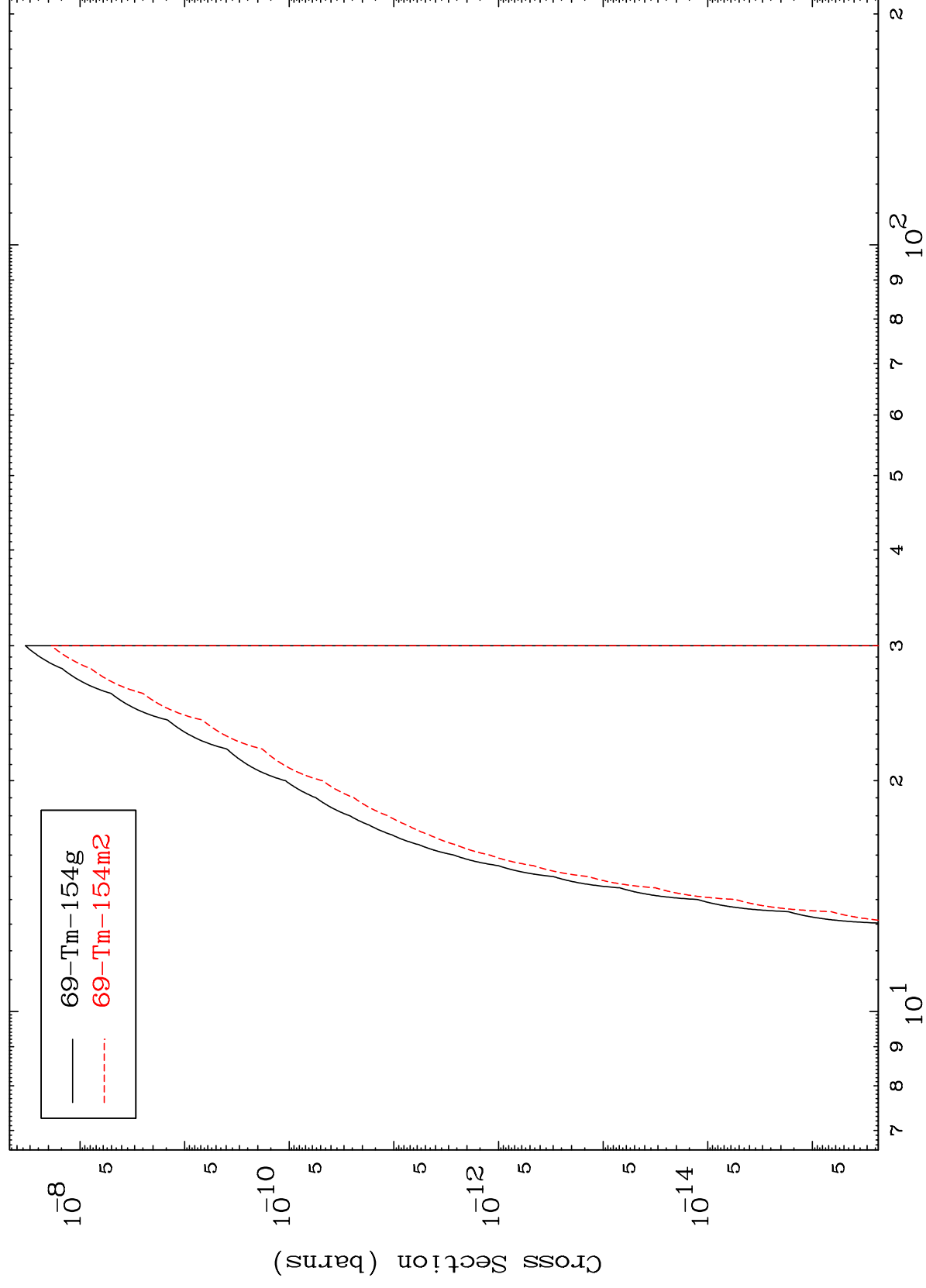
19



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71-Lu-157m

(n, He-3)
Radionuclide Production Cross Section

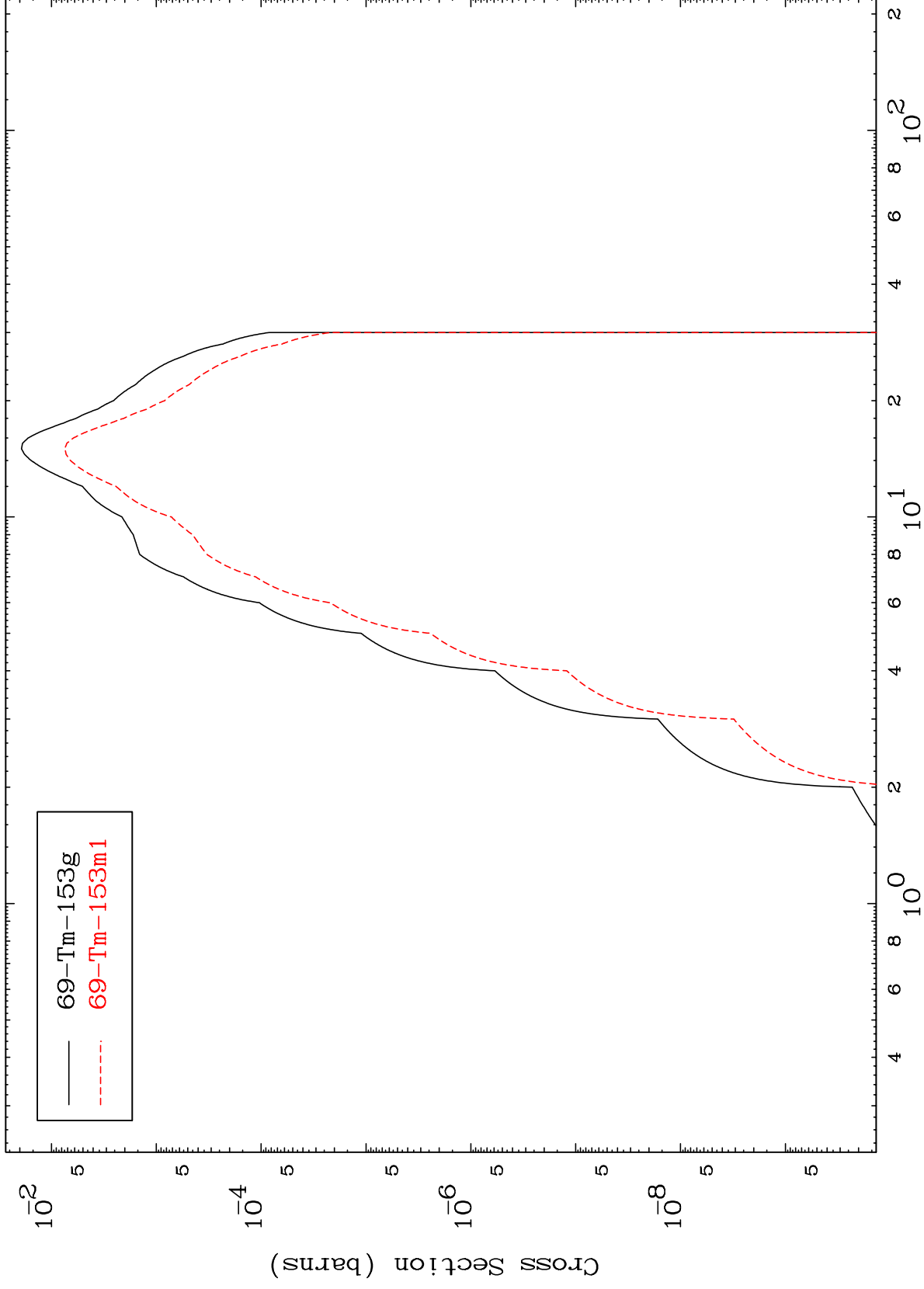


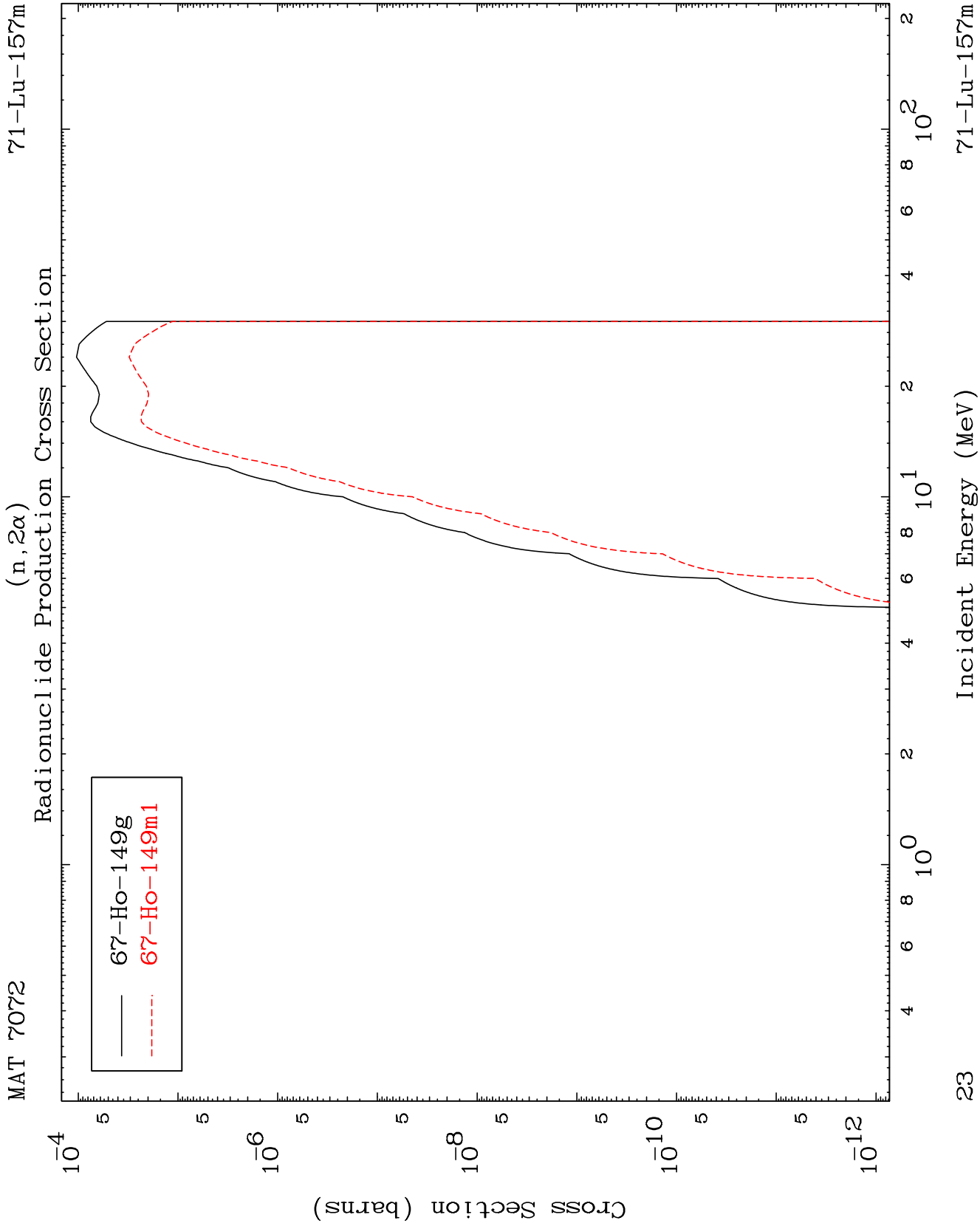
21

Incident Energy (MeV)

71-Lu-157m

Radionuclide Production Cross Section
(n, α)

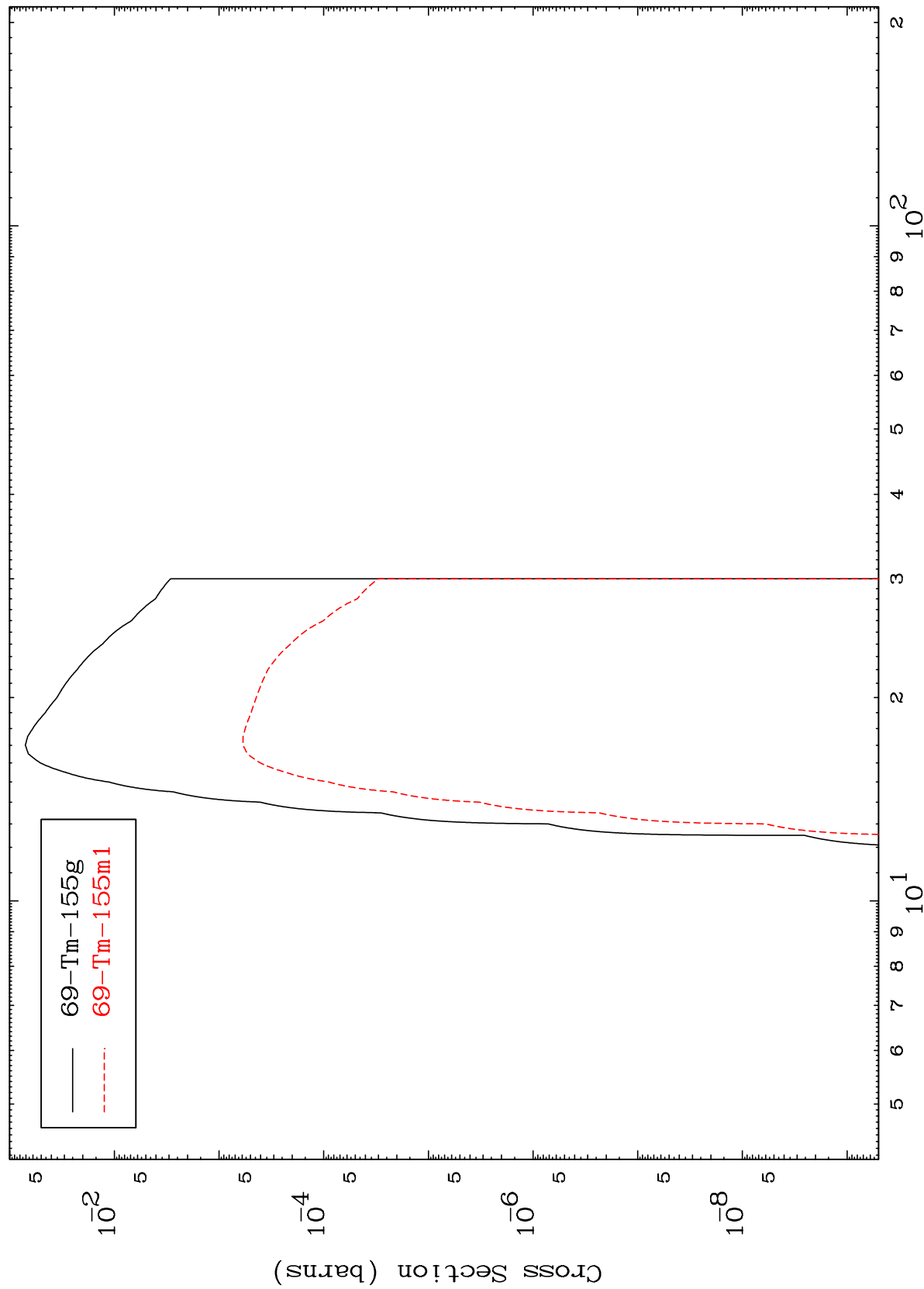




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71-Lu-157m

Radionuclide Production Cross Section
(n,2p)

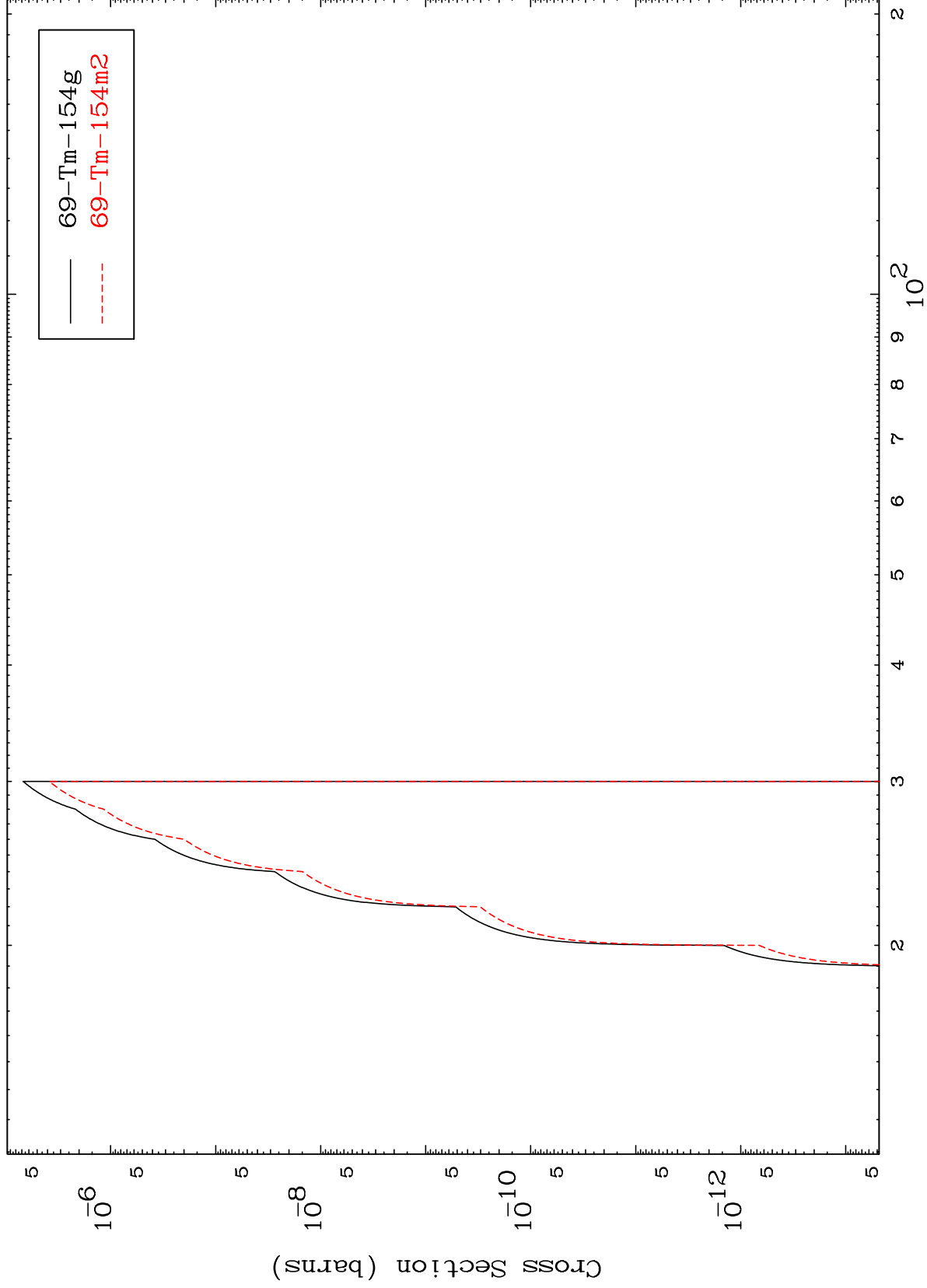


71-Lu-157m

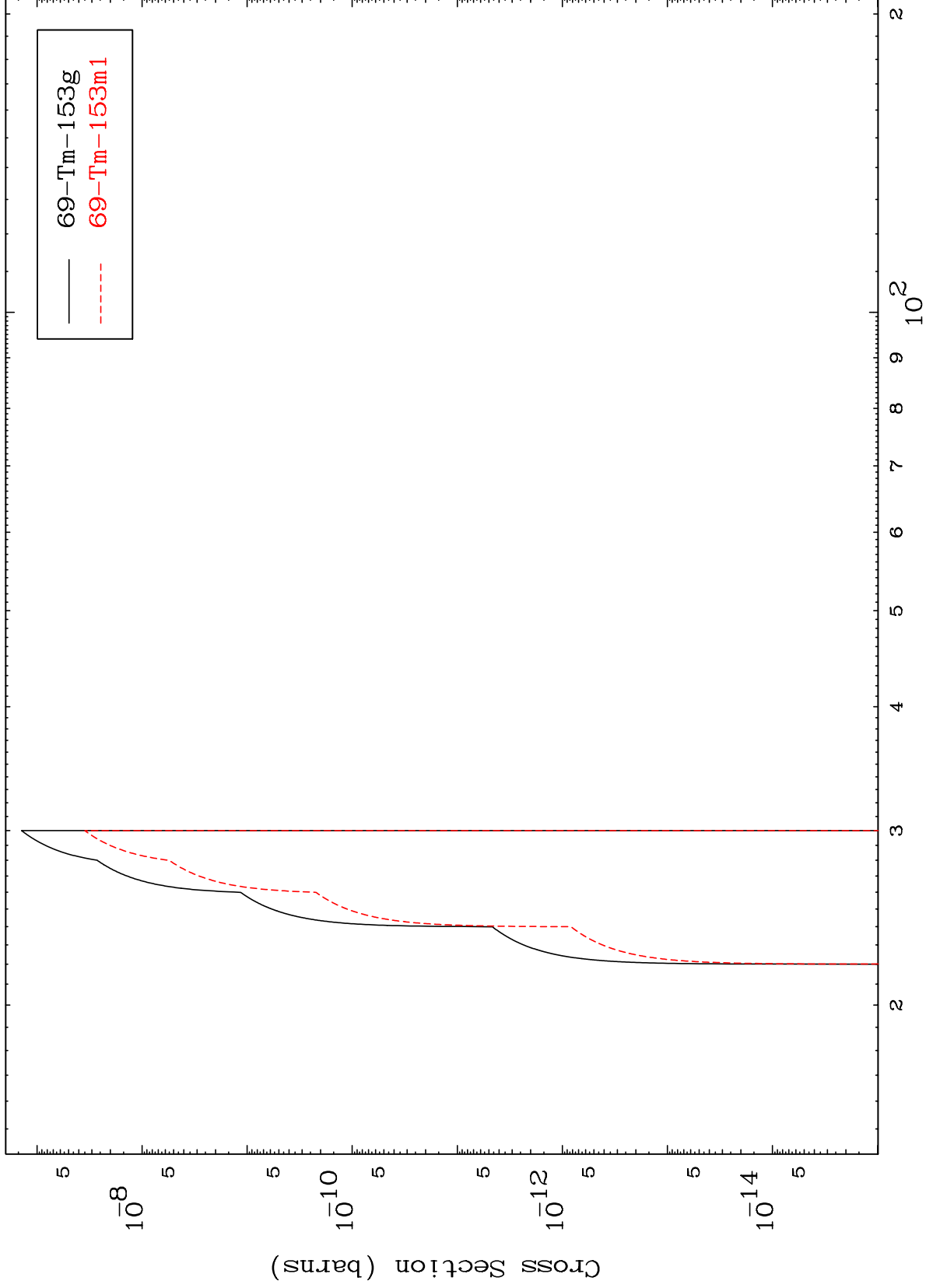
Incident Energy (MeV)

24

(n,p) d
Radionuclide Production Cross Section



(n,p) t
Radionuclide Production Cross Section

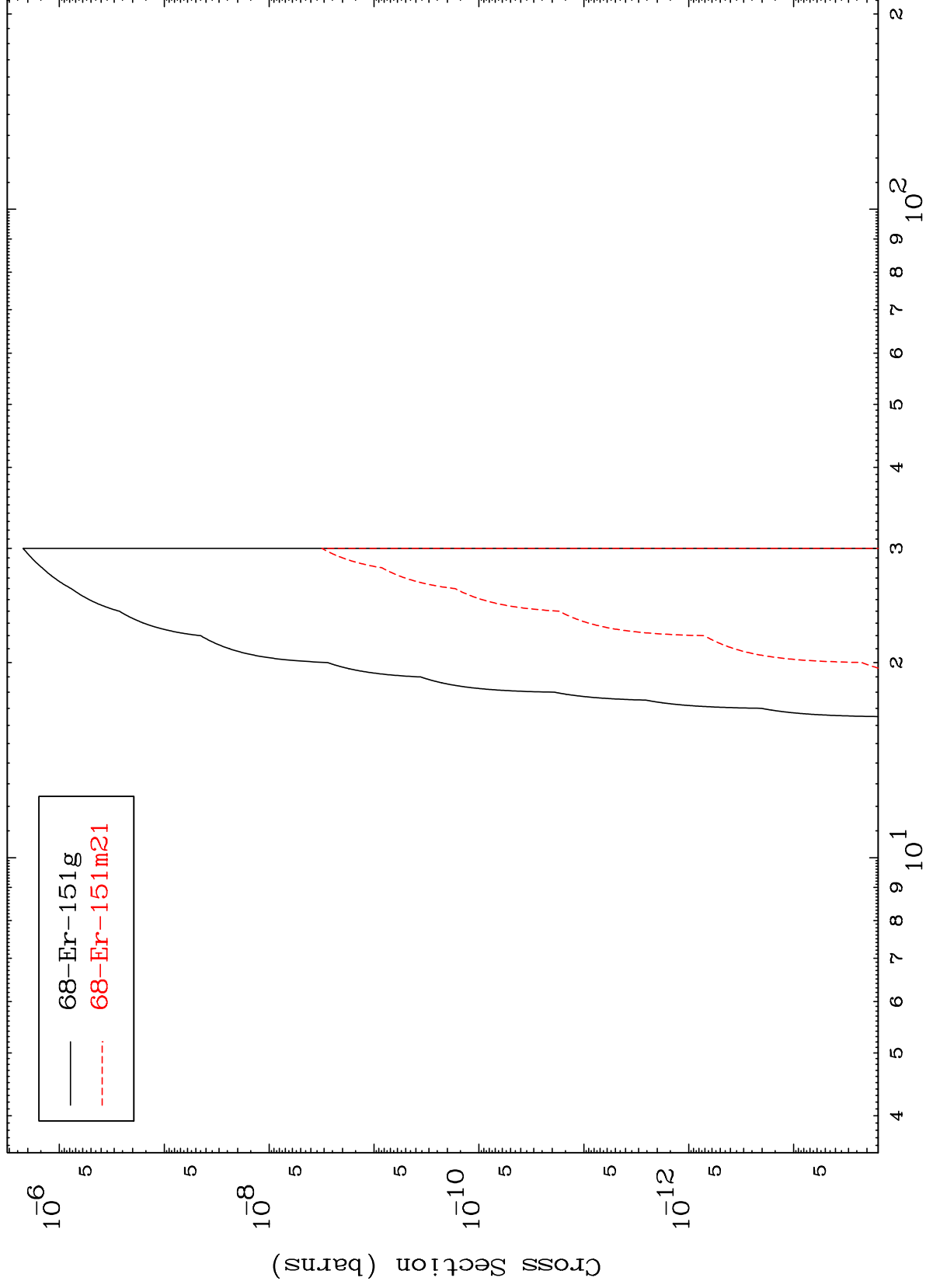


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(n,d) α

$^{71}\text{Lu-157m}$

Radionuclide Production Cross Section



27

Incident Energy (MeV)

$^{71}\text{Lu-157m}$