

Program EVALPLOT  
(Version 2021-1)

by

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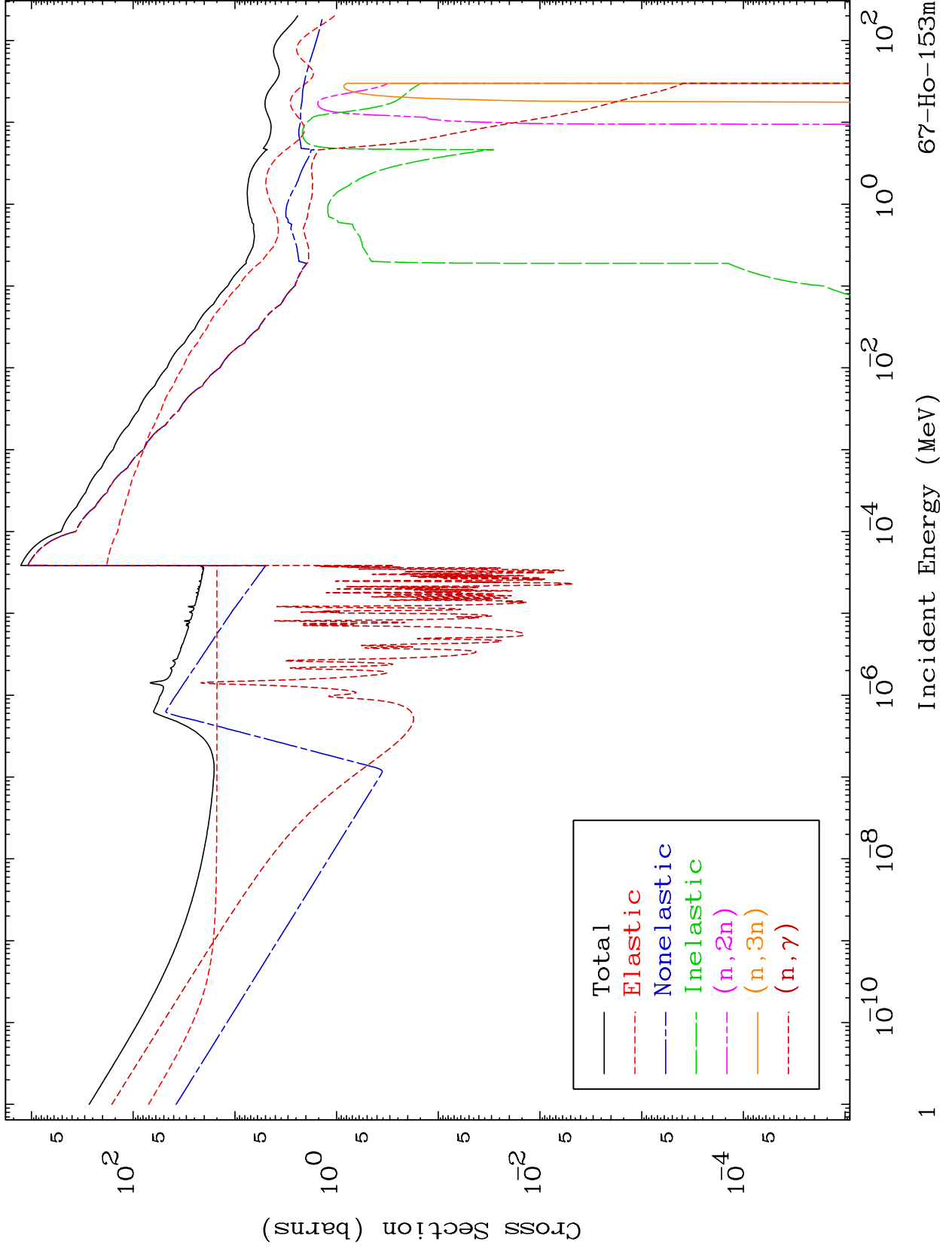
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6690

Neutron Major  
293 Kelvin Cross Sections

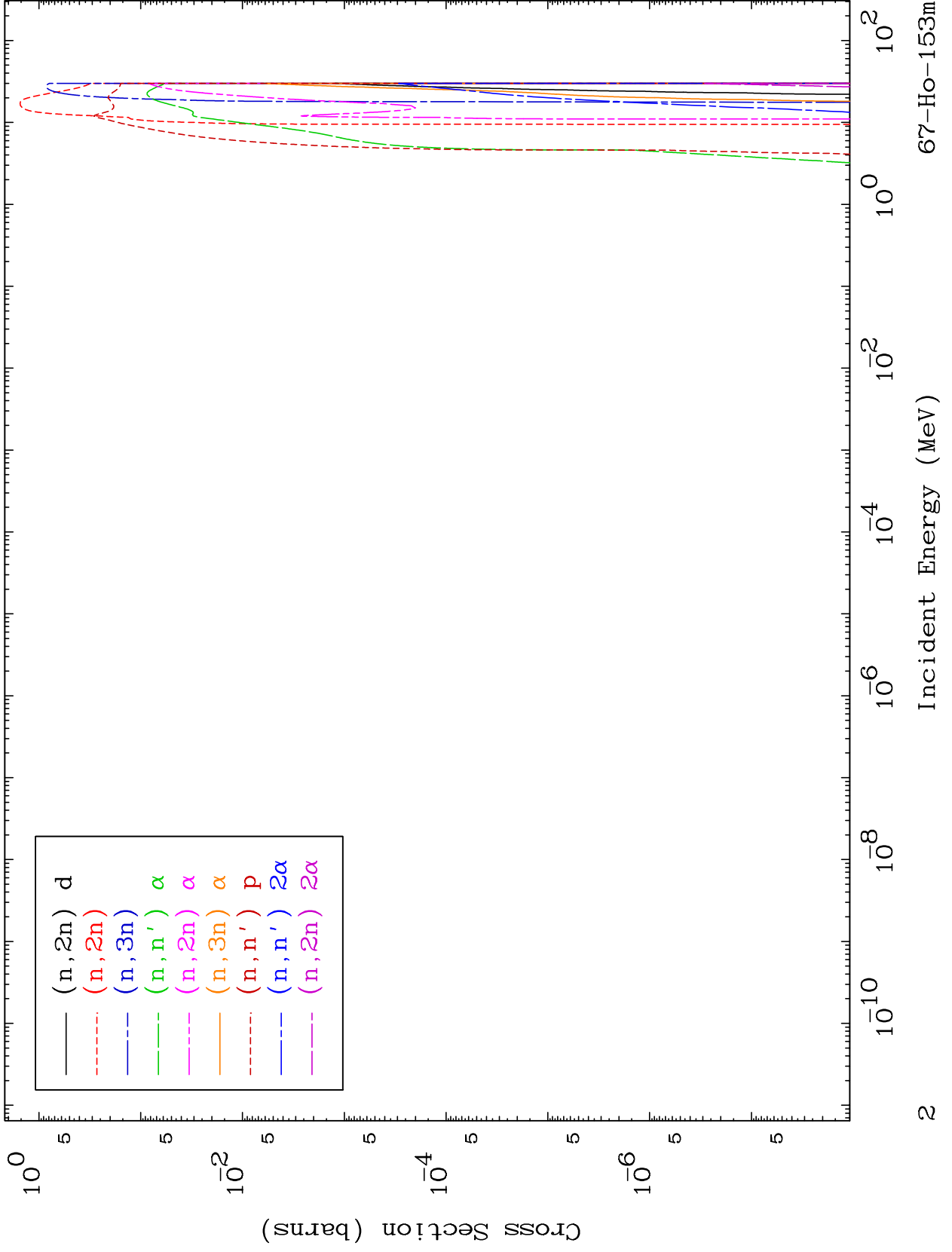
67-Ho-153m



MAT 6690

Neutron Absorption  
293 Kelvin Cross Sections

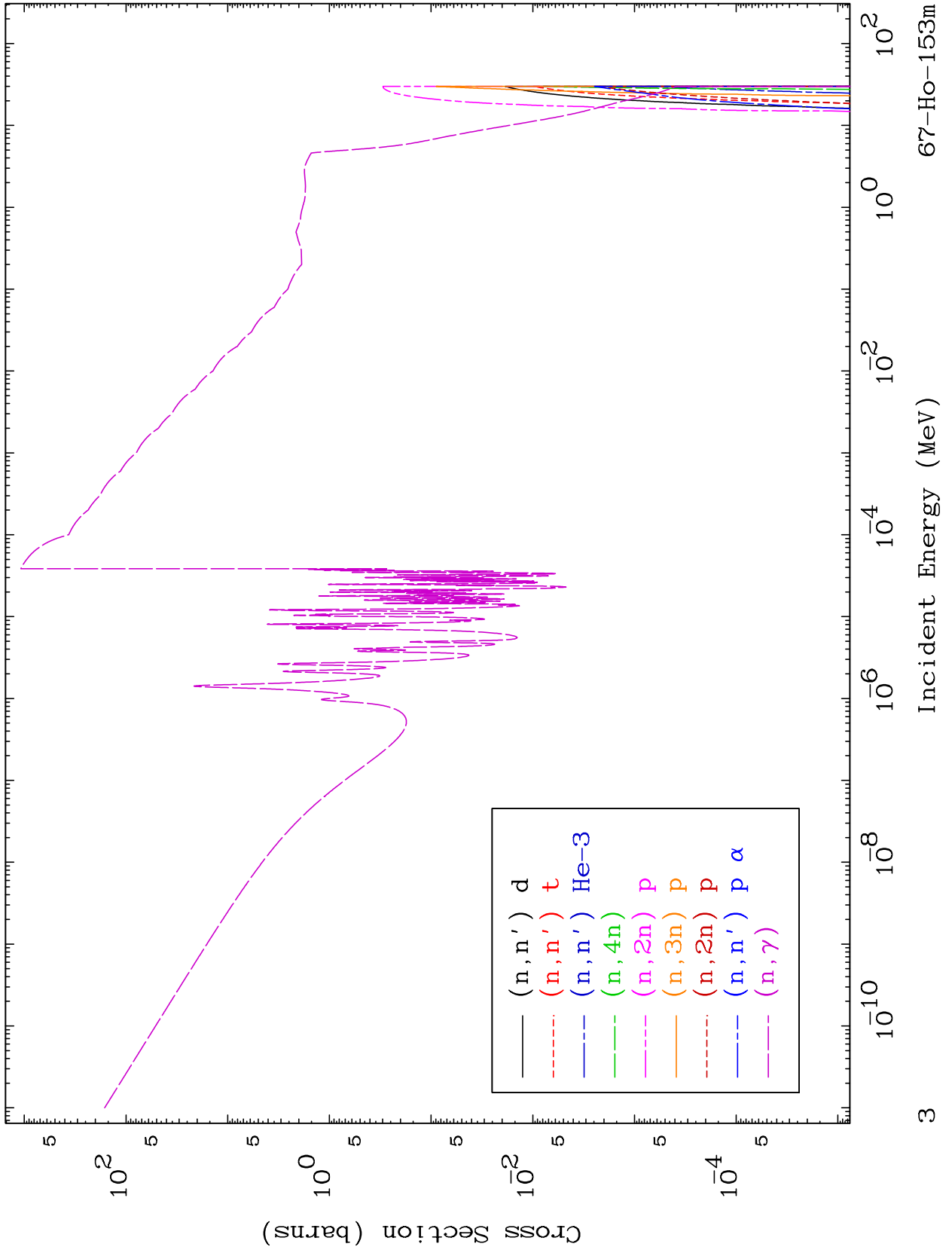
67-Ho-153m



MAT 6690

Neutron Absorption  
293 Kelvin Cross Sections

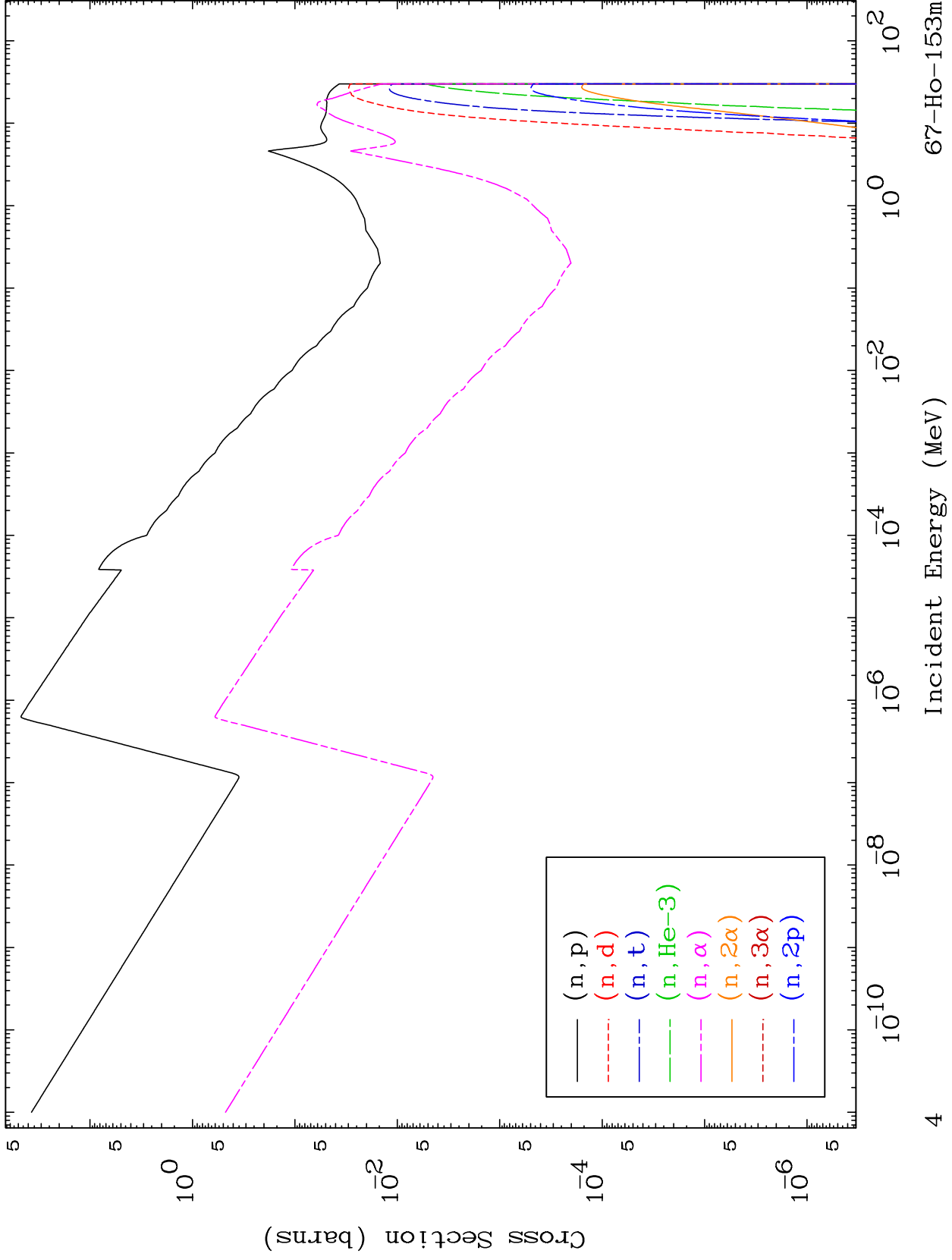
67-Ho-153m



MAT 6690

Neutron Absorption  
293 Kelvin Cross Sections

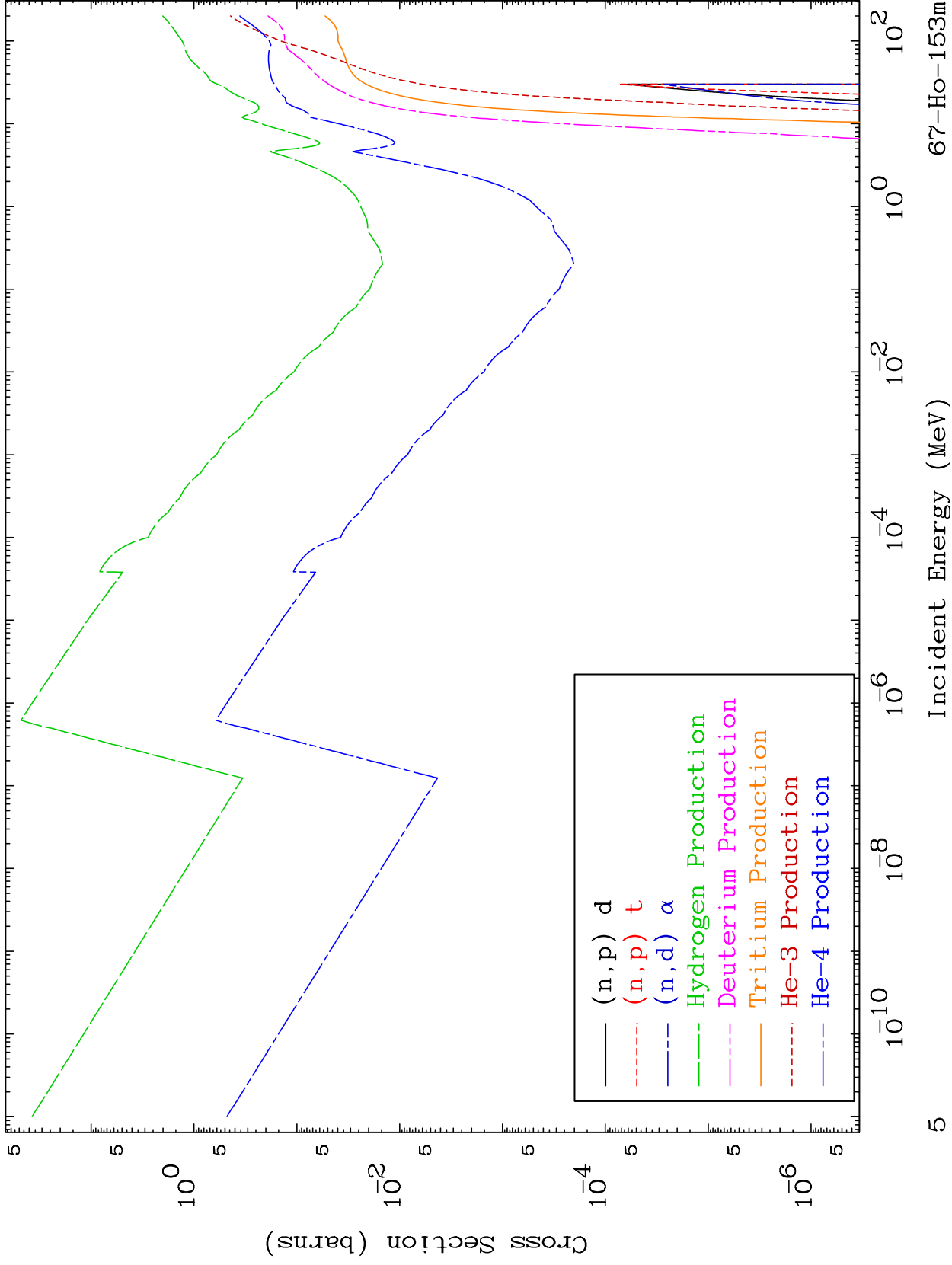
67-Ho-153m



MAT 6690

Neutron Absorption  
293 Kelvin Cross Sections

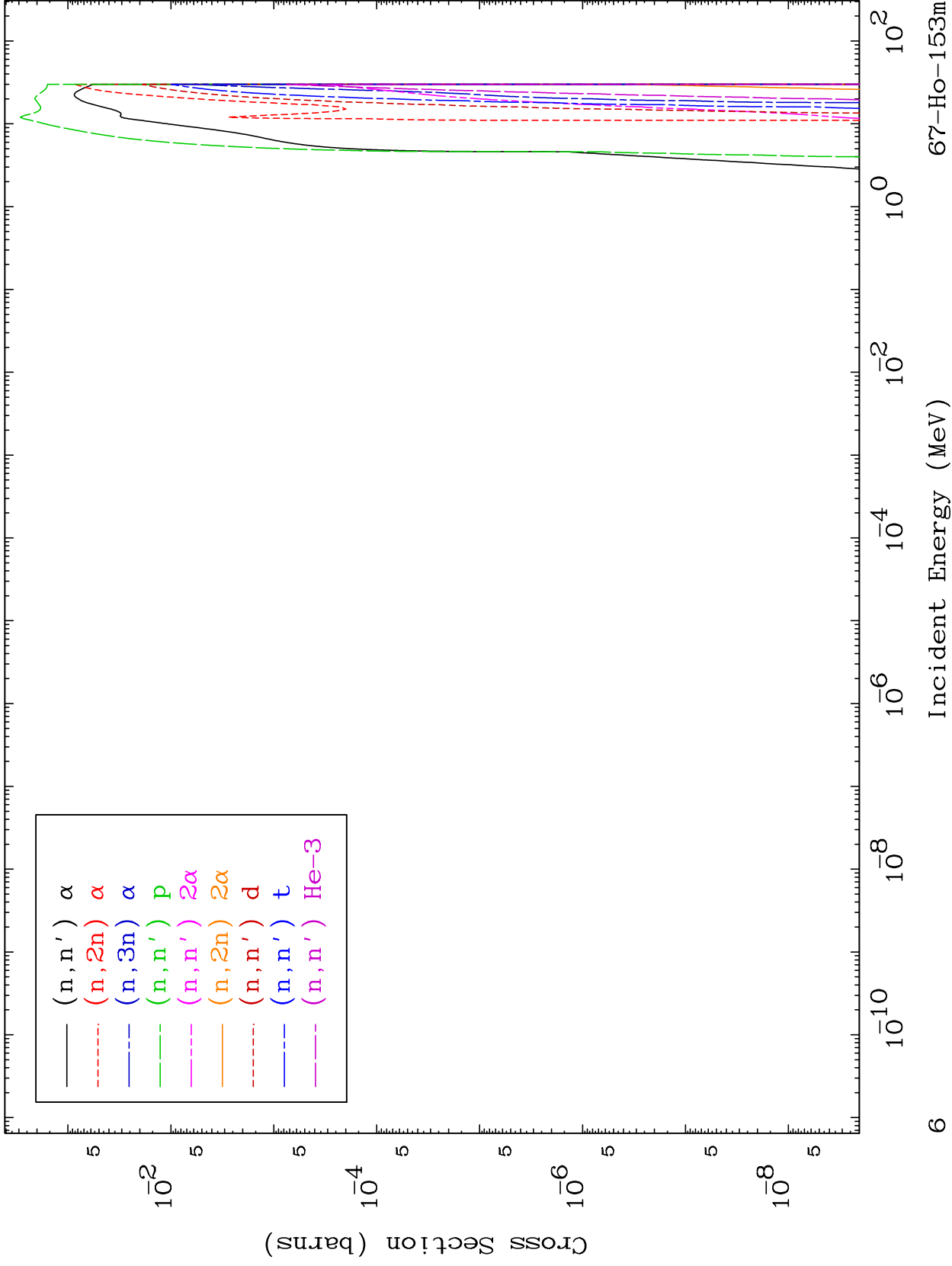
67-Ho-153m



MAT 6690

Charged Particle  
293 Kelvin Cross Sections

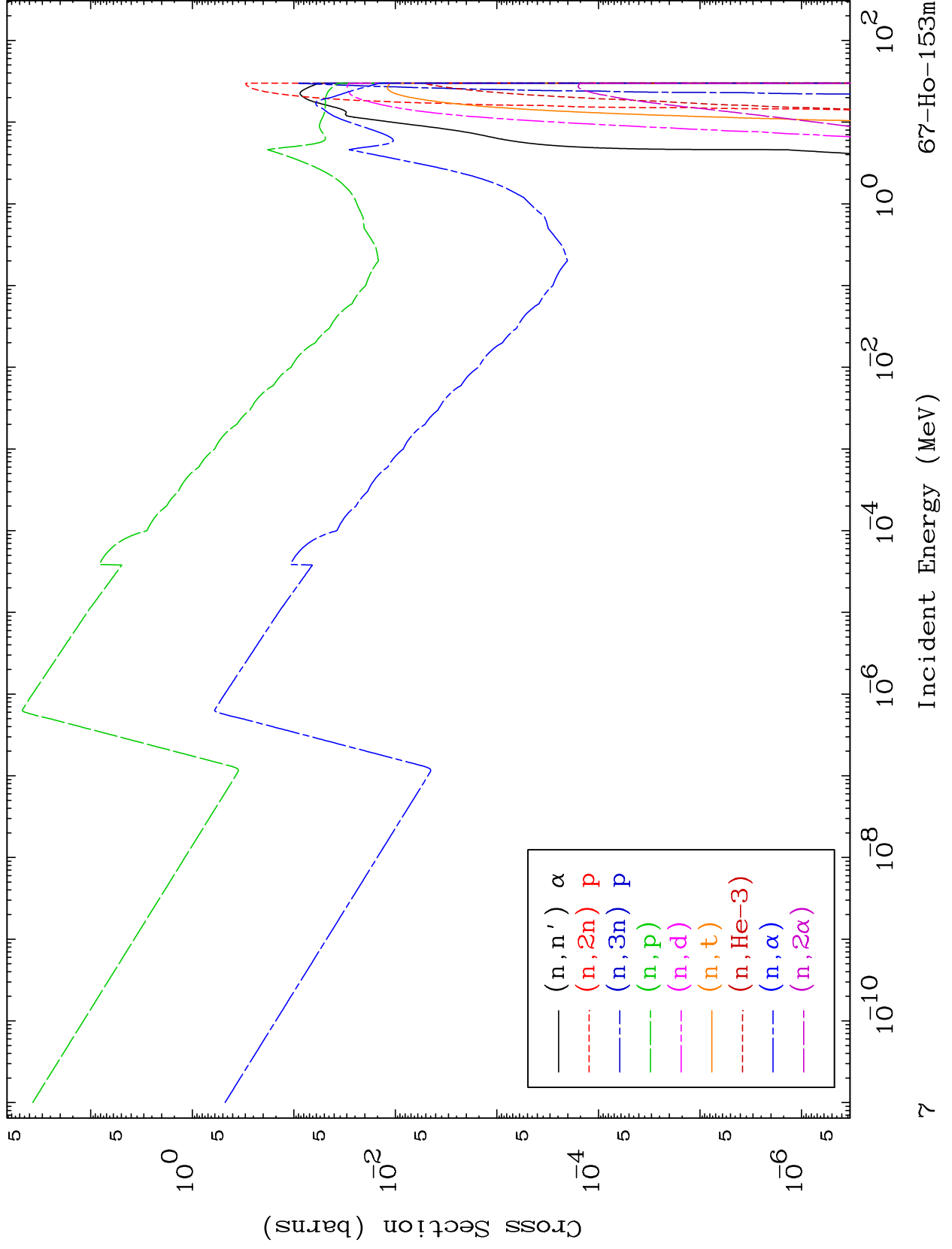
67-Ho-153m



MAT 6690

Charged Particle  
293 Kelvin Cross Sections

67-Ho-153m

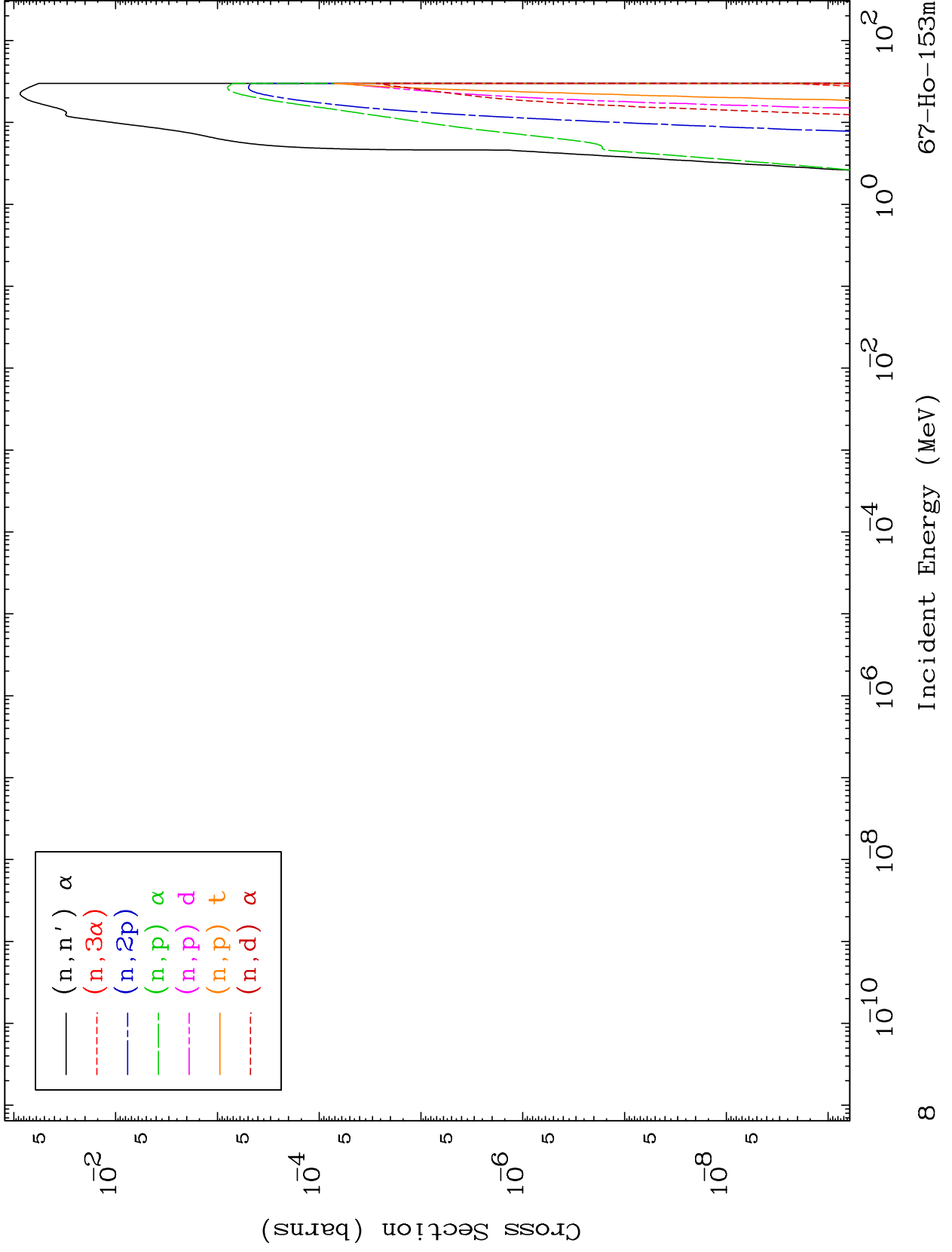




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Charged Particle  
293 Kelvin Cross Sections

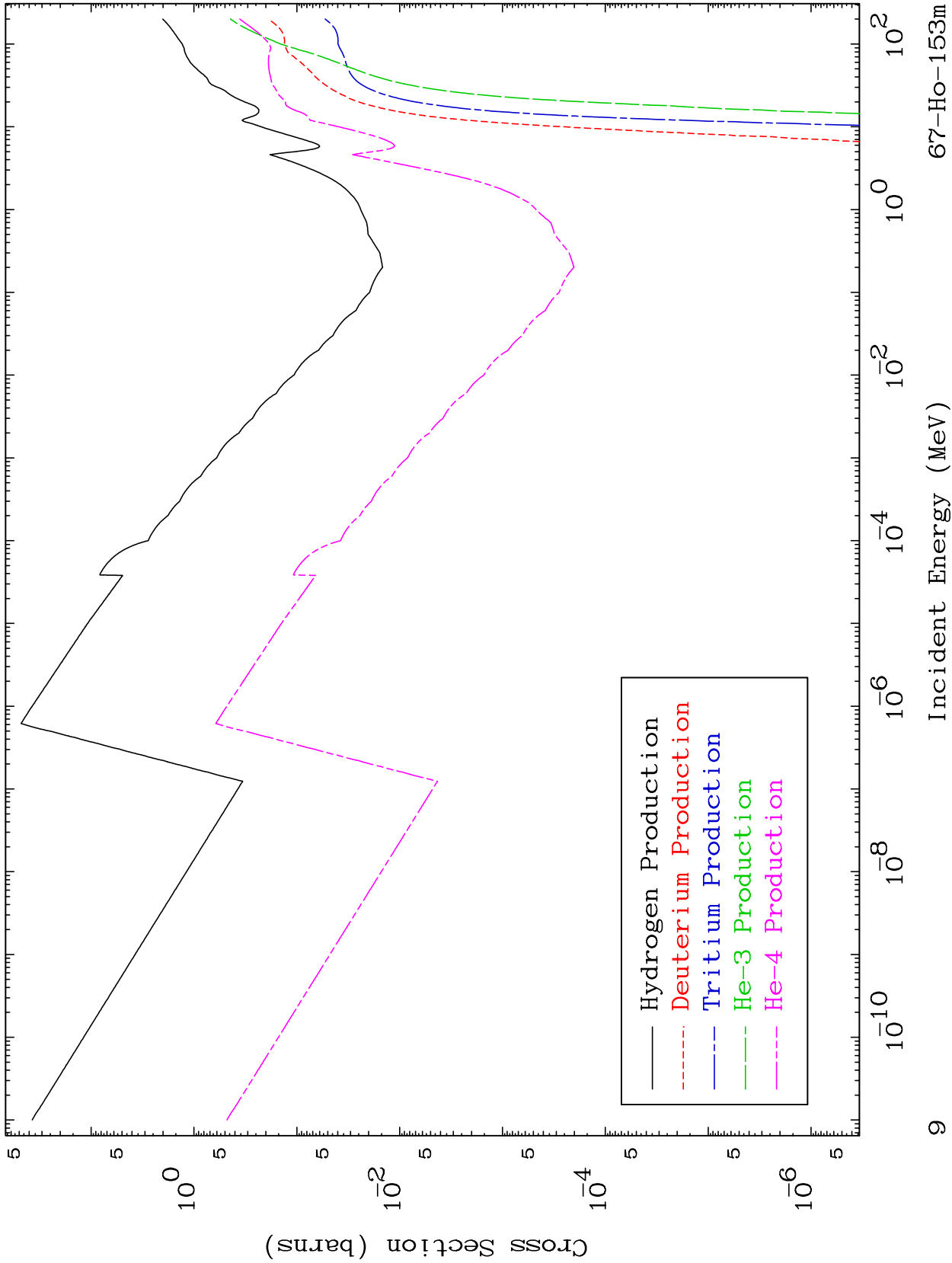
67-Ho-153m



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Particle Production  
293 Kelvin Cross Sections

67-Ho-153m

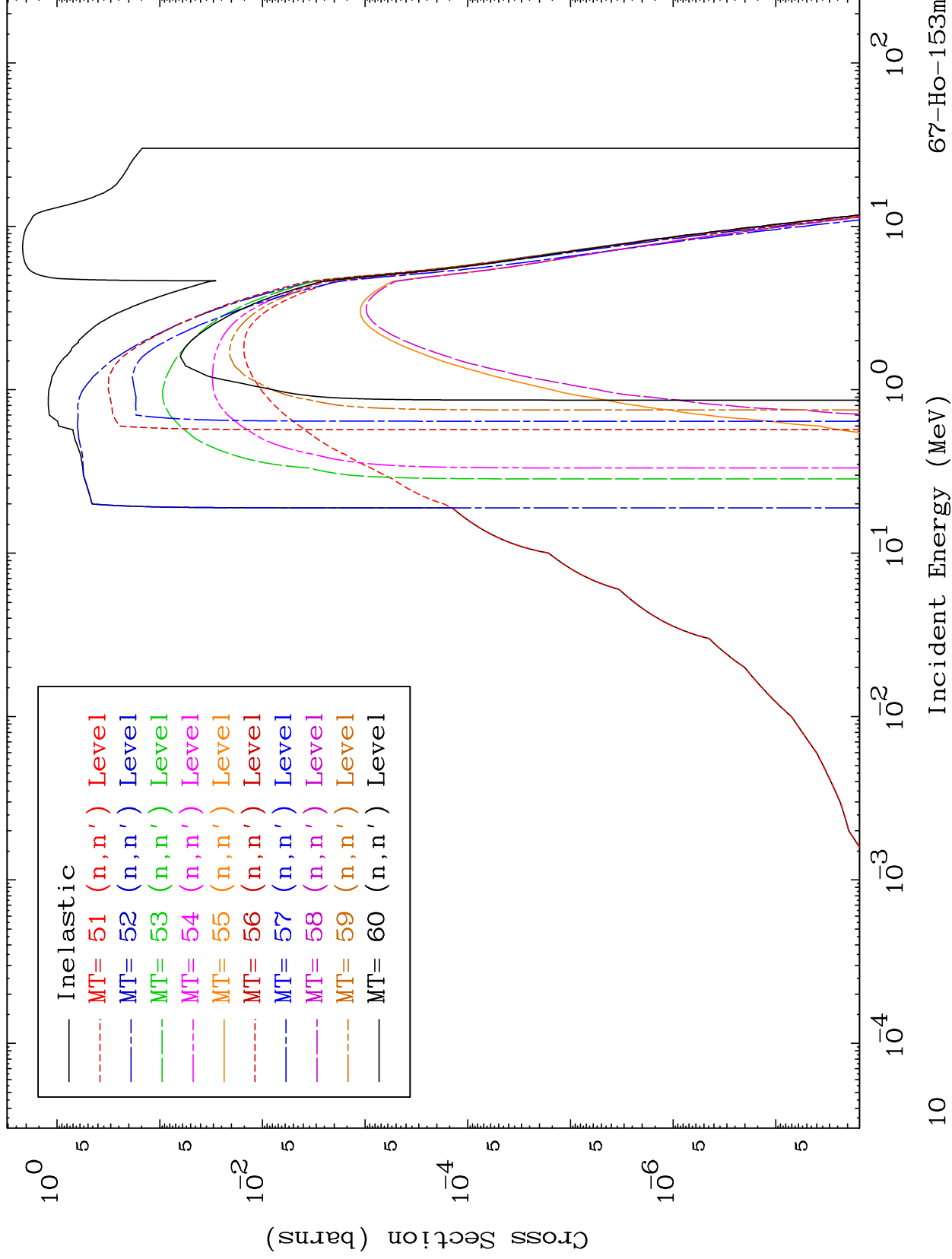


MAT 6690

(n,n') Levels

67-Ho-153m

293 Kelvin Cross Sections



10

$10^{-3}$

$10^{-2}$

$10^{-1}$

$10^0$

$10^1$

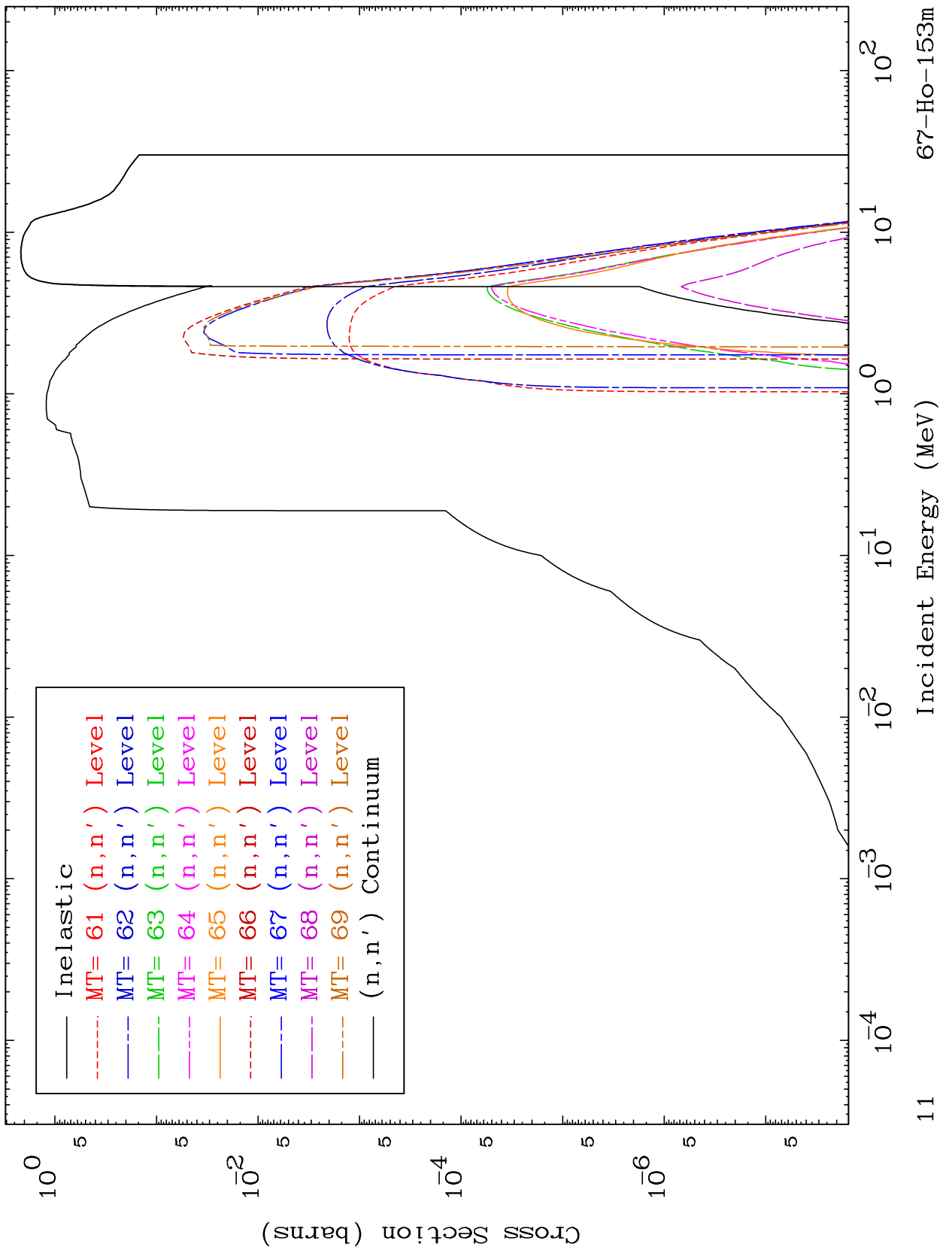
$10^2$

67-Ho-153m

MAT 6690

(n,n') Levels  
293 Kelvin Cross Sections

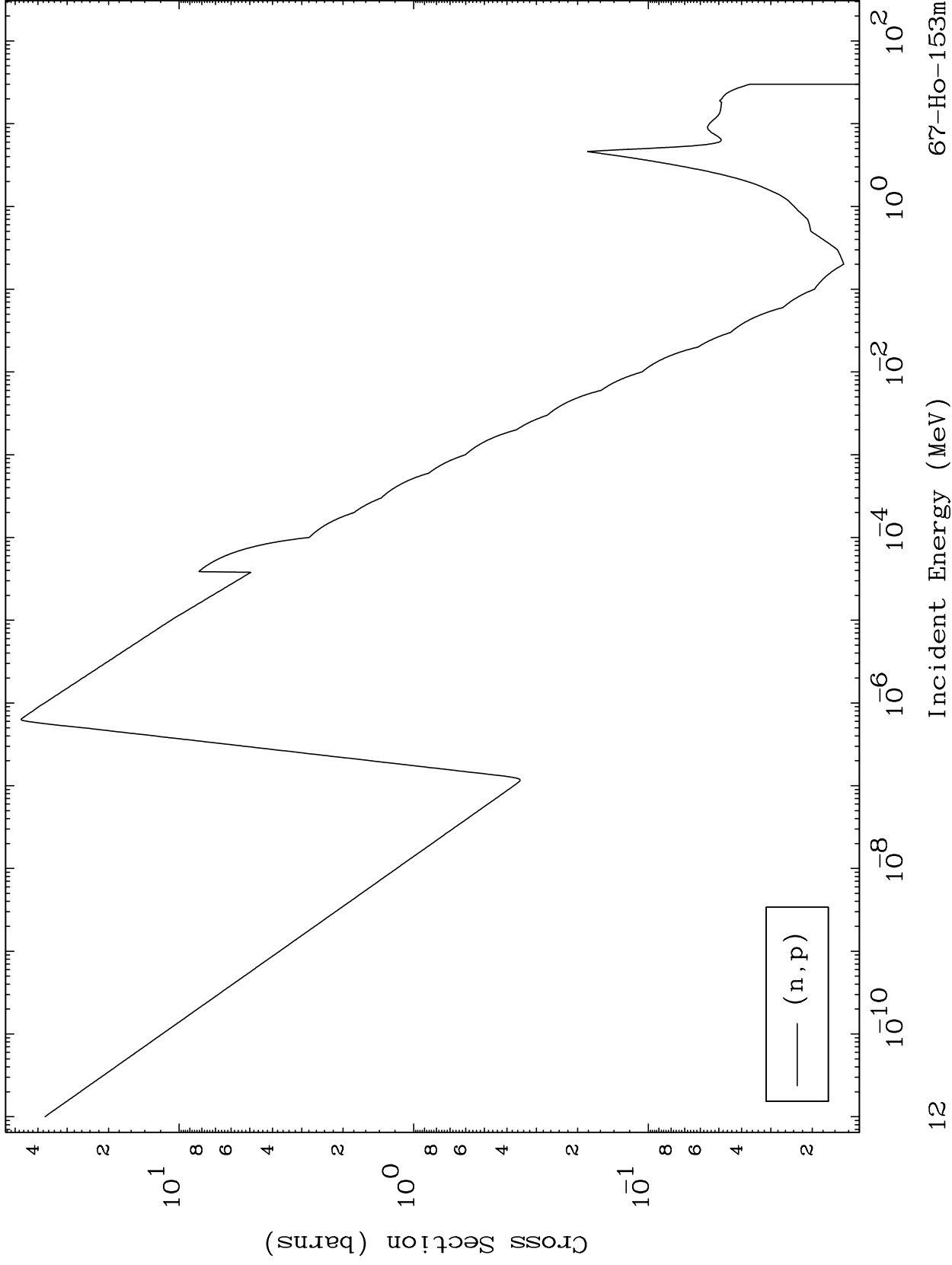
67-Ho-153m



MAT 6690

(n,p) Levels  
293 Kelvin Cross Sections

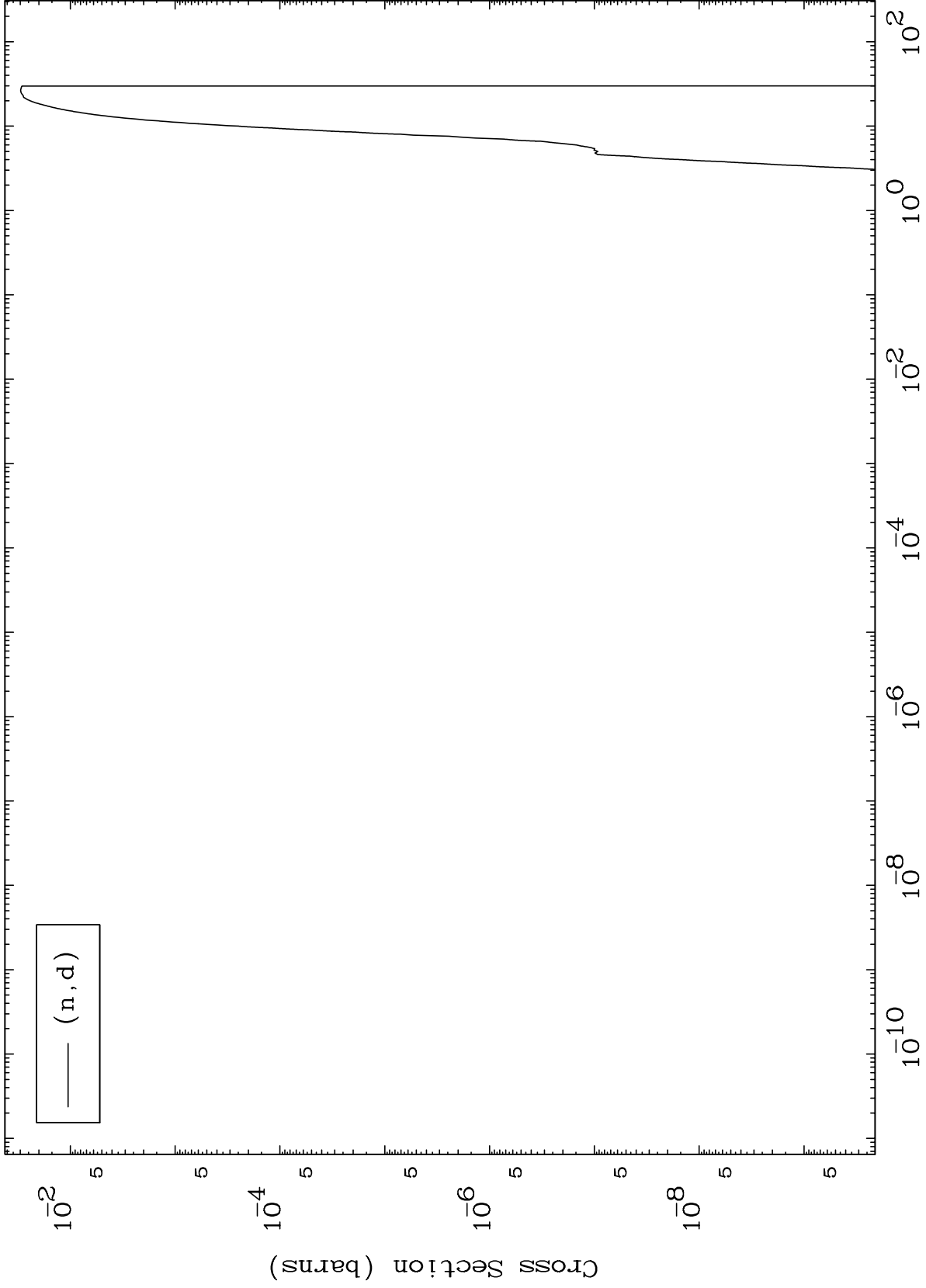
67-Ho-153m



MAT 6690

(n,d) Levels  
293 Kelvin Cross Sections

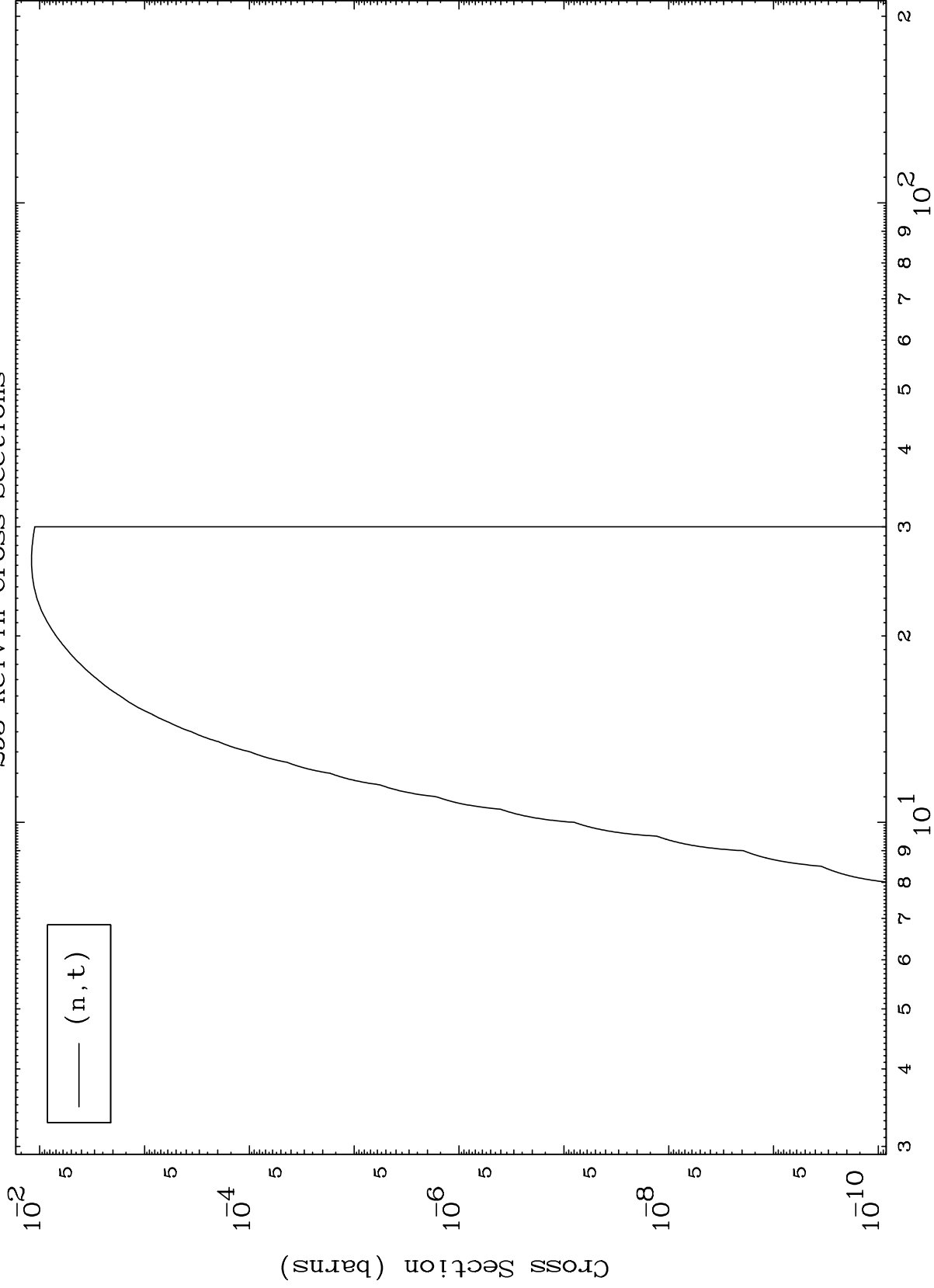
67-Ho-153m



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(n,t) Levels  
293 Kelvin Cross Sections

67-Ho-153m



14

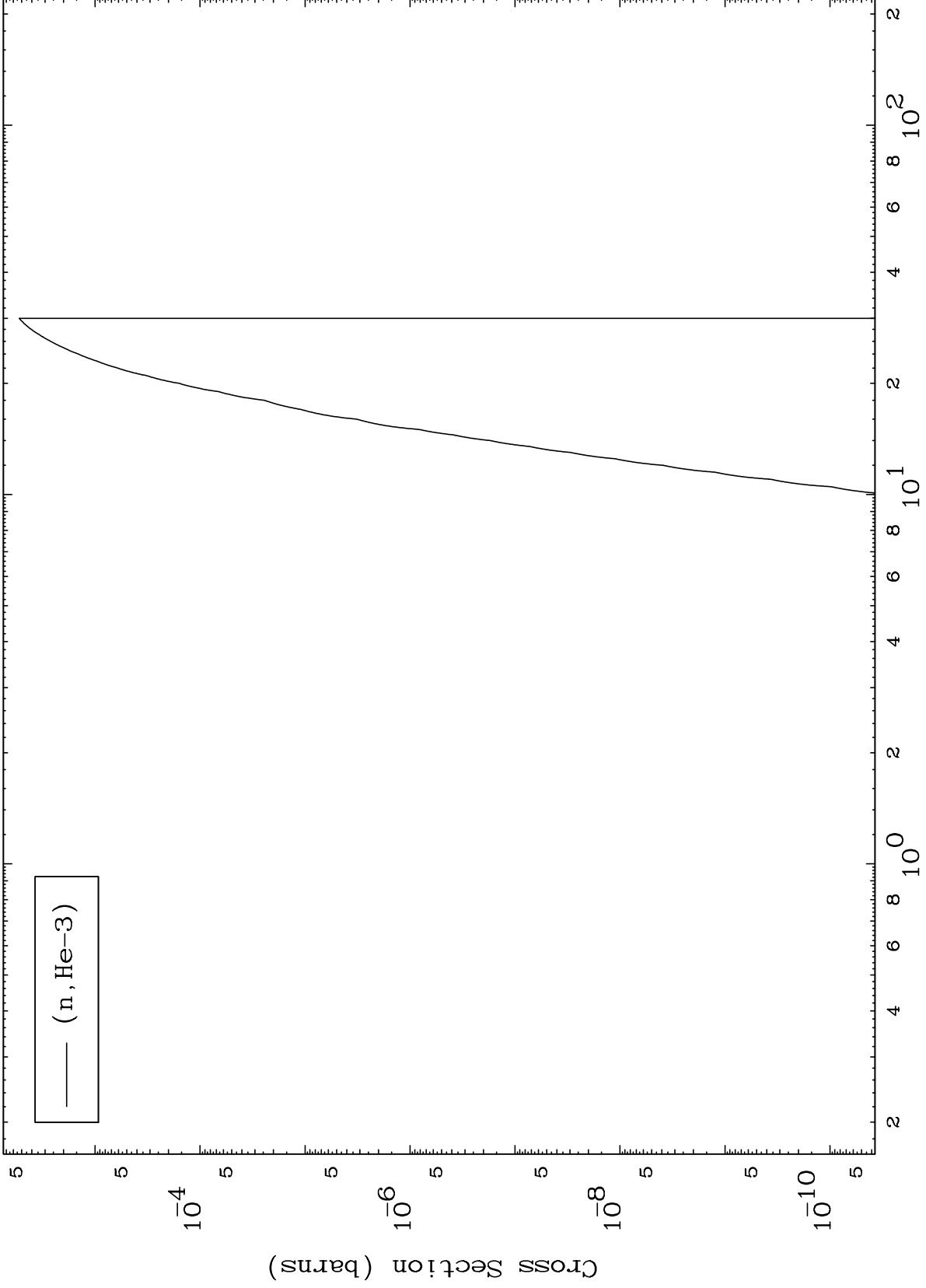
Incident Energy (MeV)

67-Ho-153m

MAT 6690

(n,He3) Levels  
293 Kelvin Cross Sections

67-Ho-153m



15

Incident Energy (MeV)

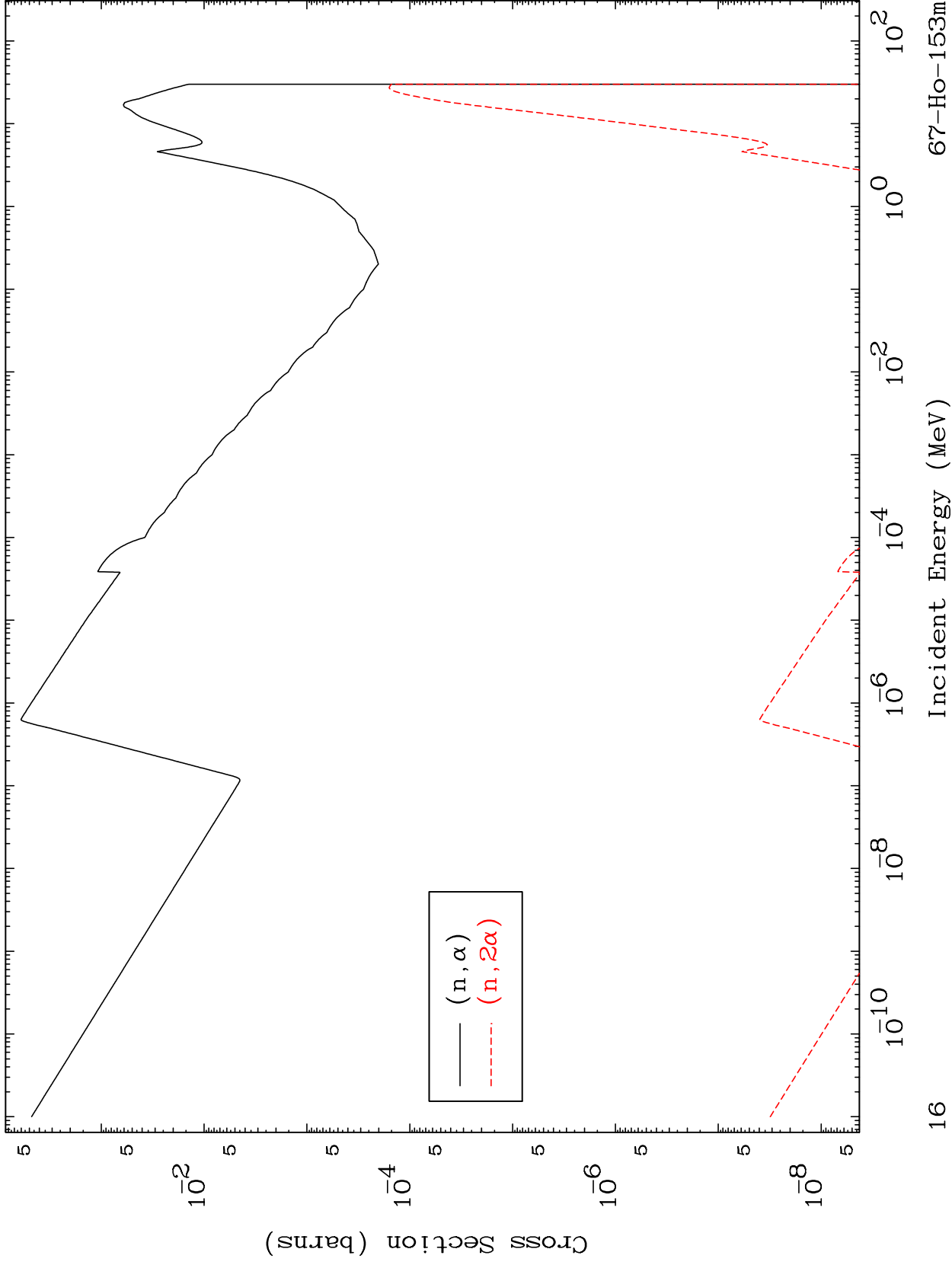
67-Ho-153m



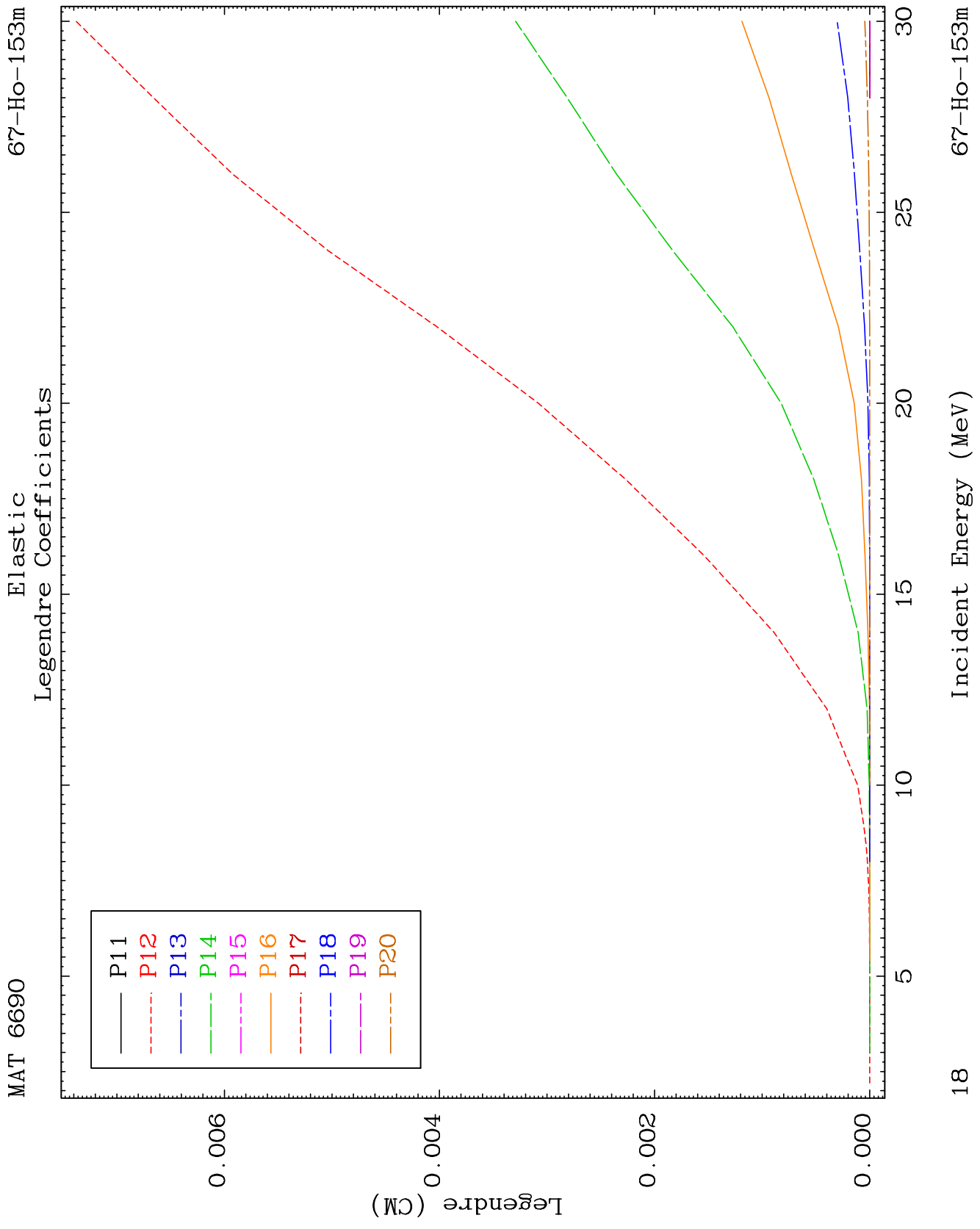
MAT 6690

(n,α) Levels  
293 Kelvin Cross Sections

67-Ho-153m



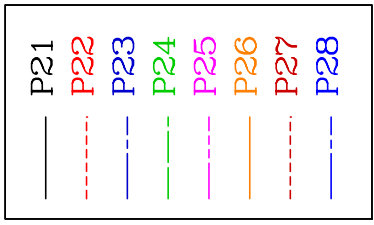




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Elastic Legendre Coefficients

67-Ho-153m



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

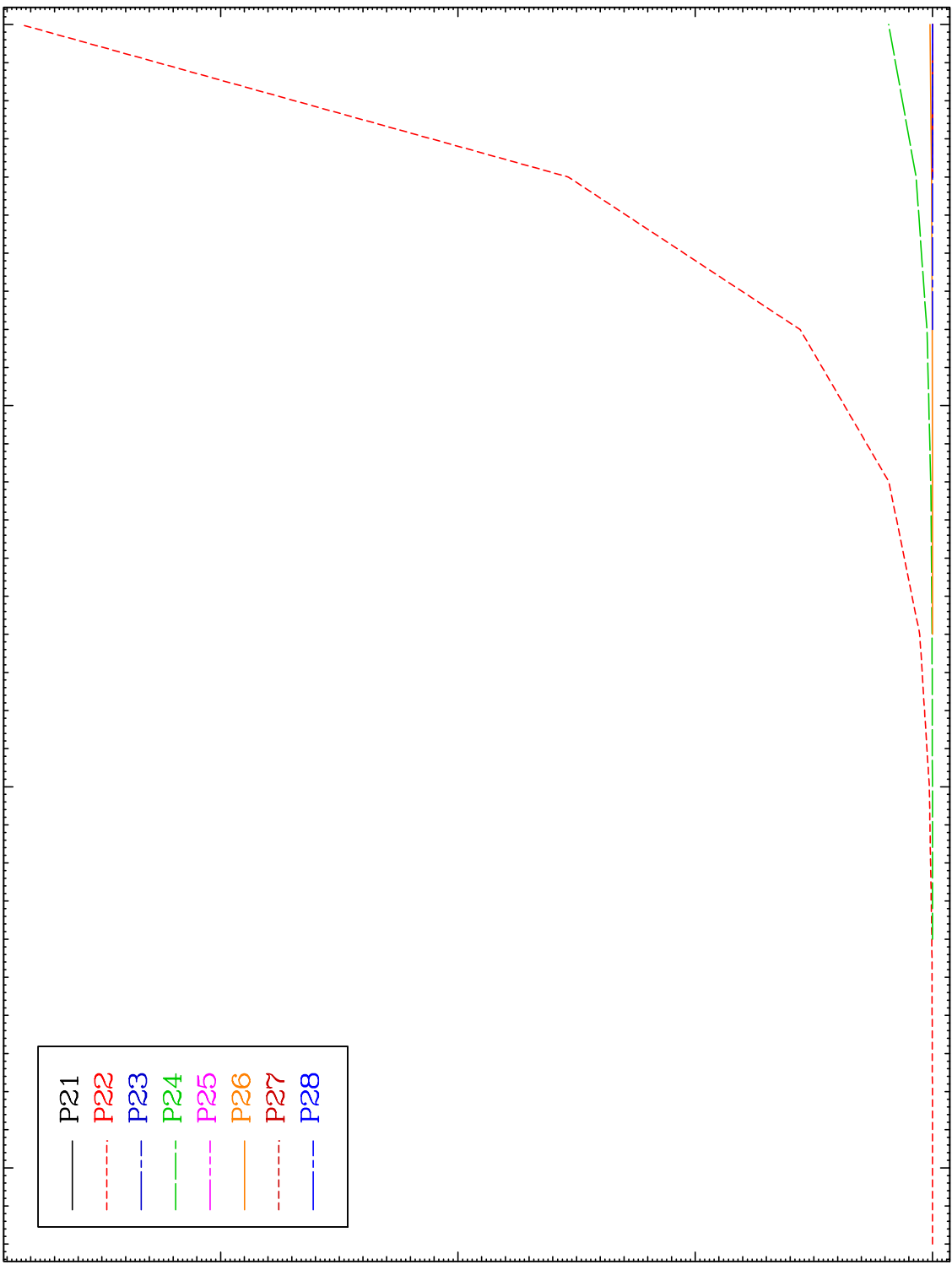
25

30

19

Incident Energy (MeV)

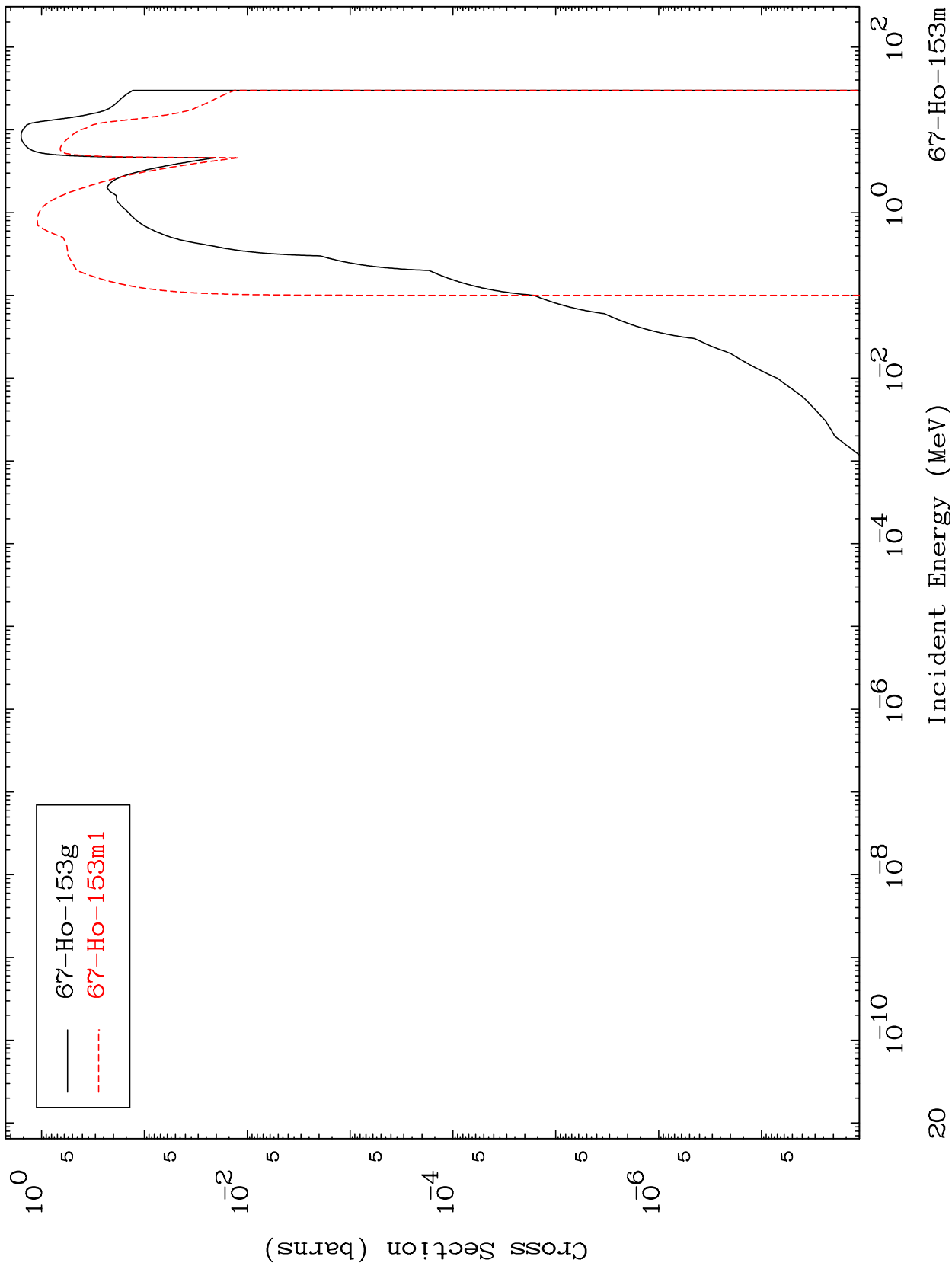
67-Ho-153m



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67-Ho-153m

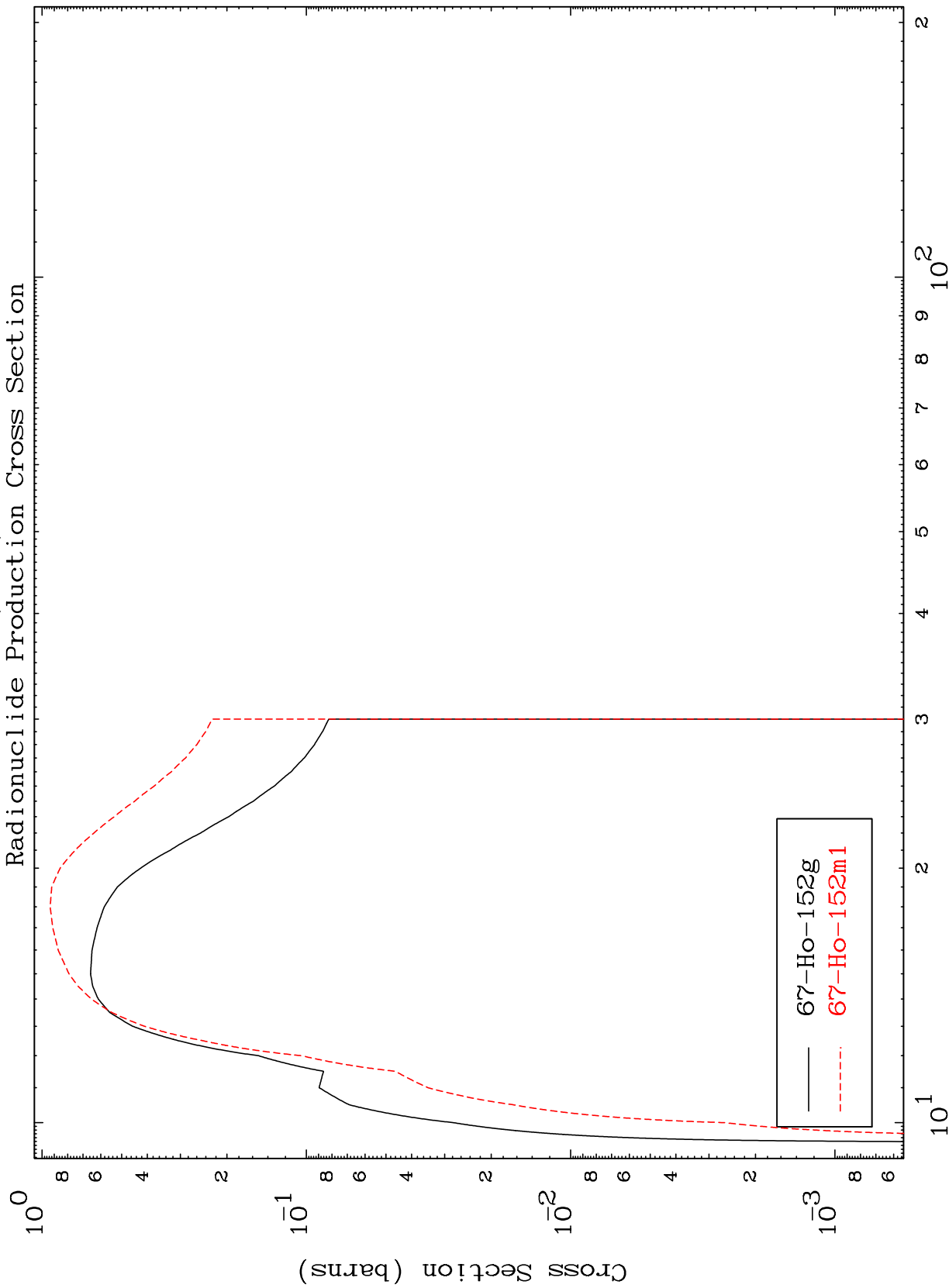
Inelastic  
Radionuclide Production Cross Section



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67-Ho-153m

Radionuclide Production Cross Section  
(n,2n)



67-Ho-153m

Incident Energy (MeV)

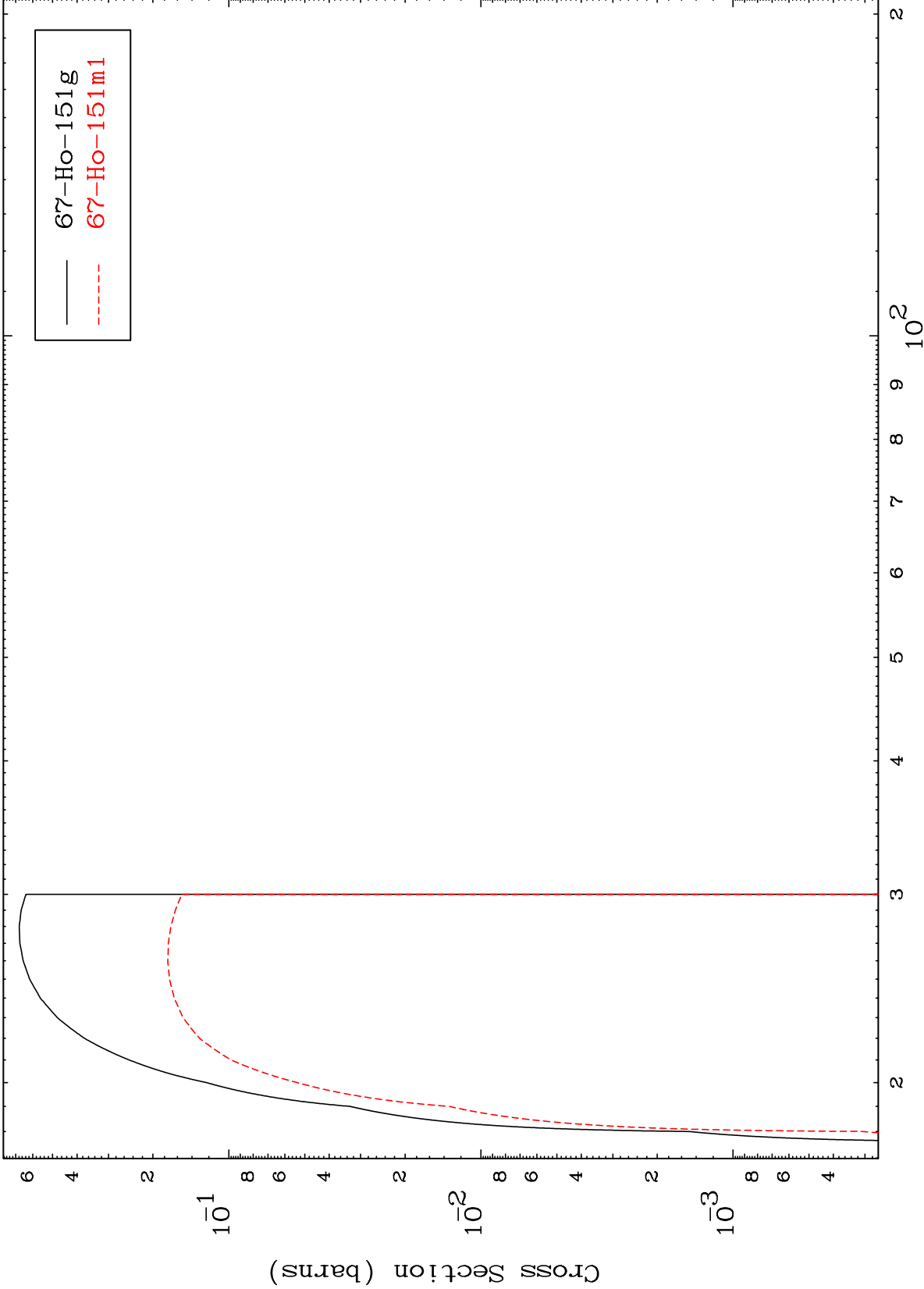
21

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(n,3n)

67-Ho-153m

Radionuclide Production Cross Section

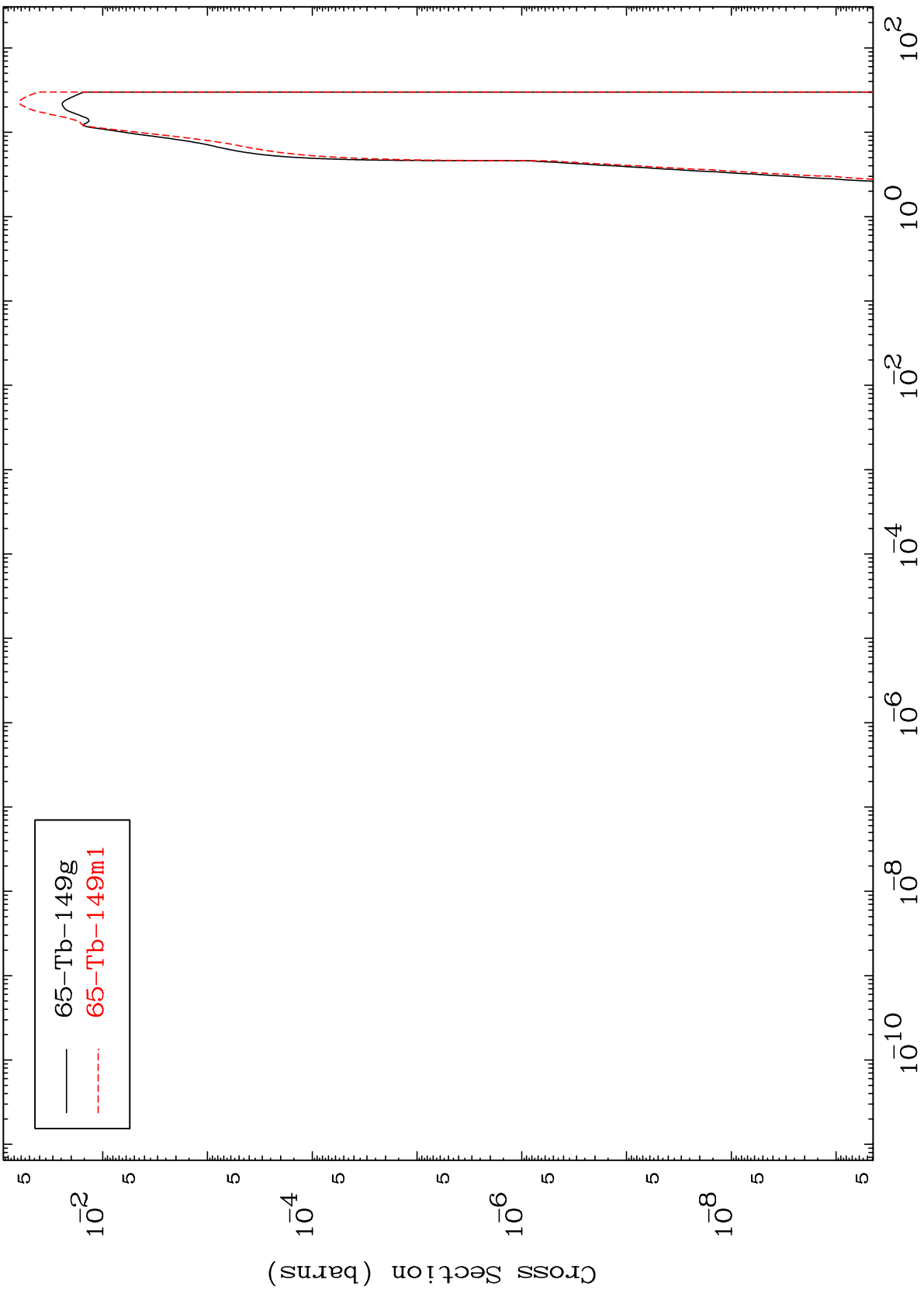


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$(n, n') \alpha$

67-Ho-153m

Radionuclide Production Cross Section



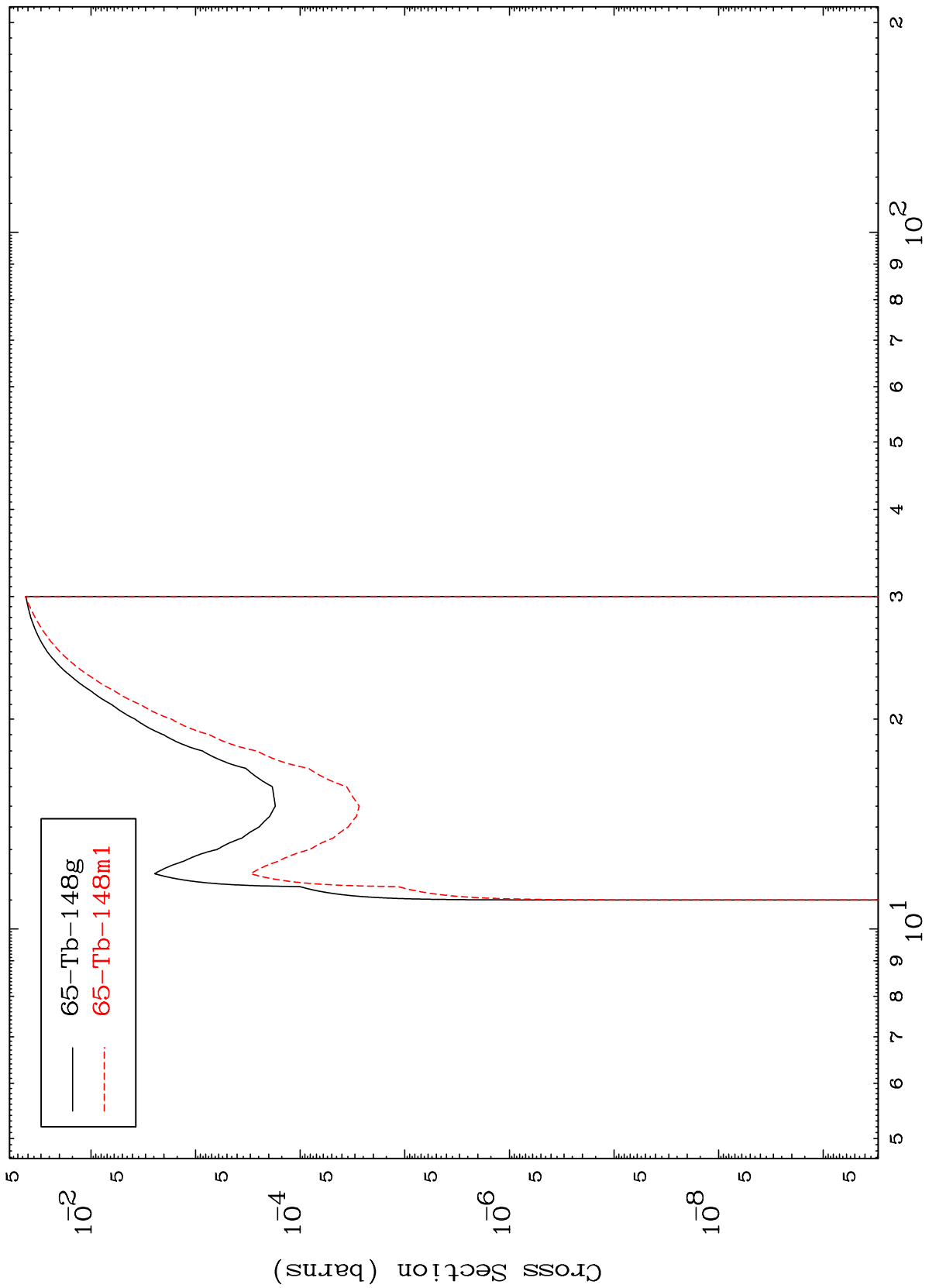


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(n,2n)  $\alpha$

67-Ho-153m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

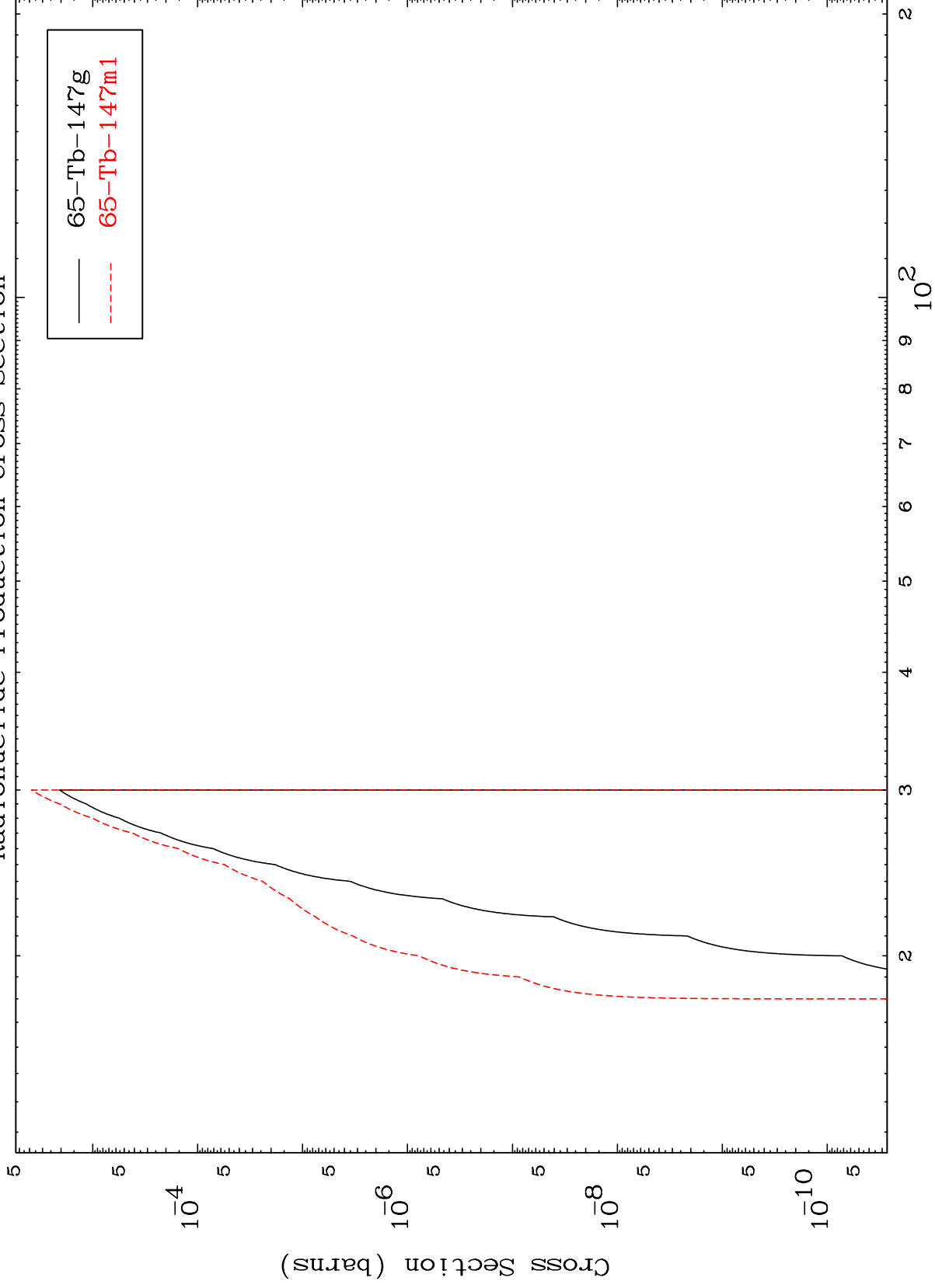
67-Ho-153m

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$(n,3n) \alpha$

67-Ho-153m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

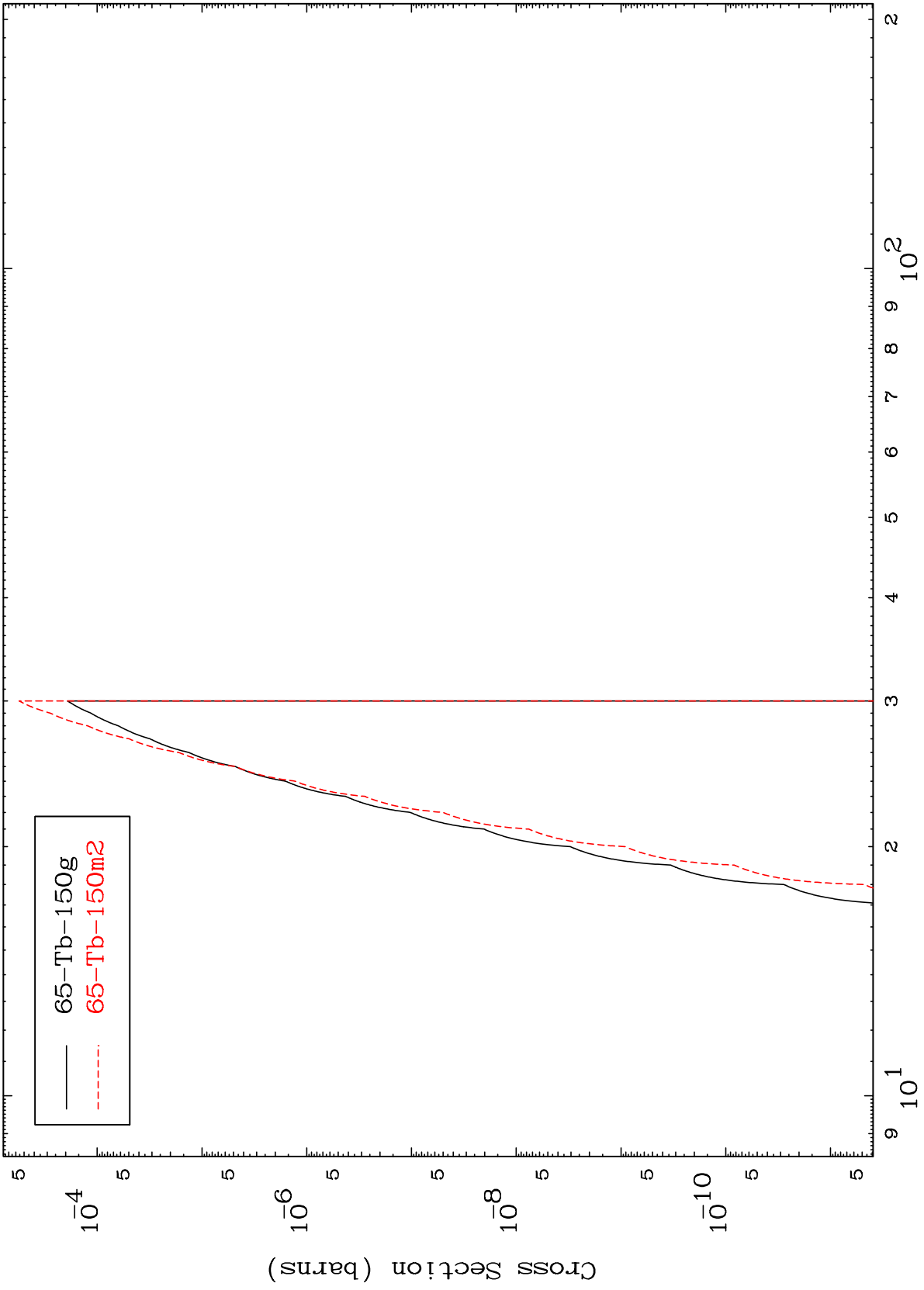
67-Ho-153m

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(n,n') He-3

67-Ho-153m

Radionuclide Production Cross Section



26

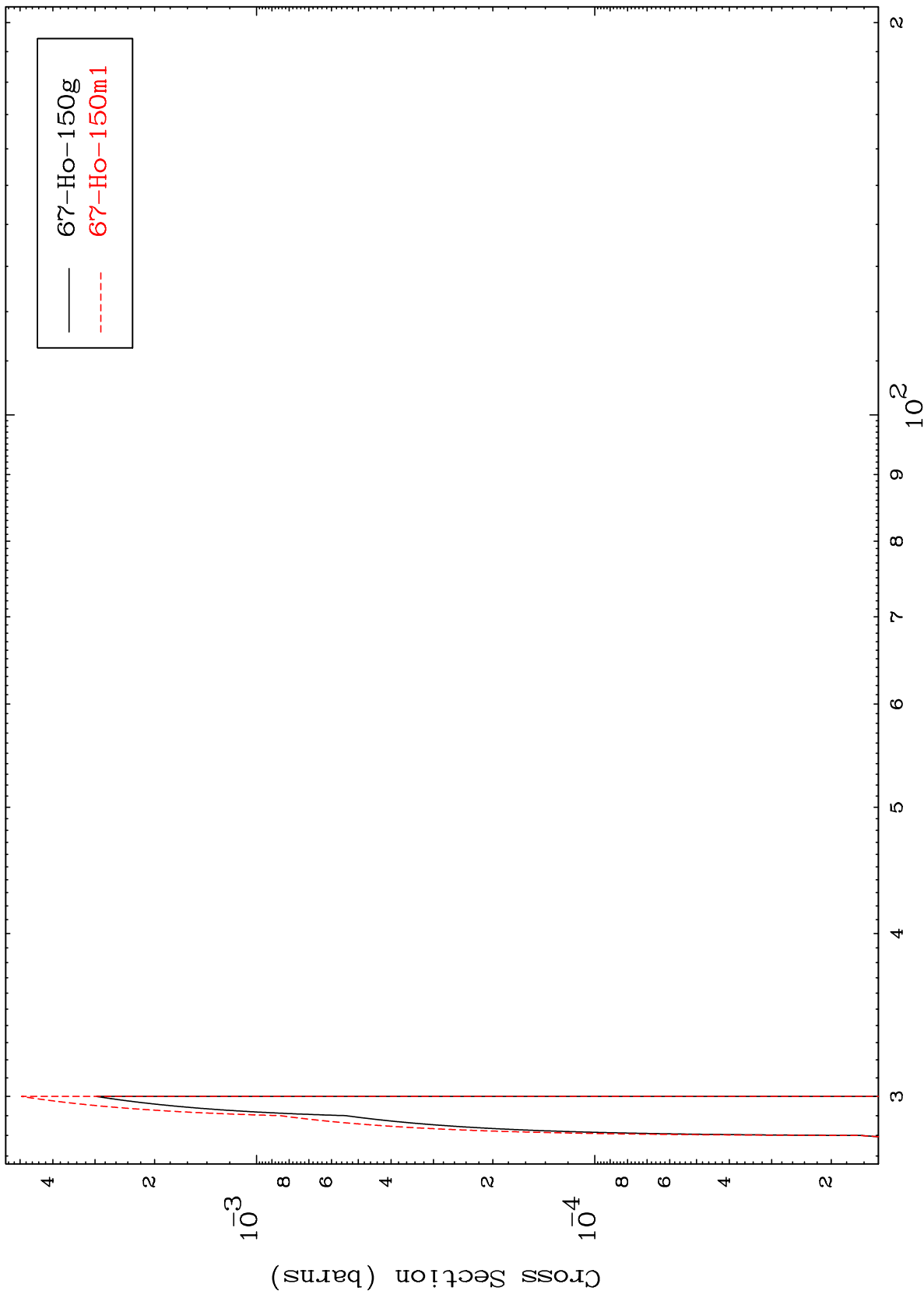
Incident Energy (MeV)

67-Ho-153m

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67-Ho-153m

(n,4n)  
Radionuclide Production Cross Section



27

67-Ho-153m

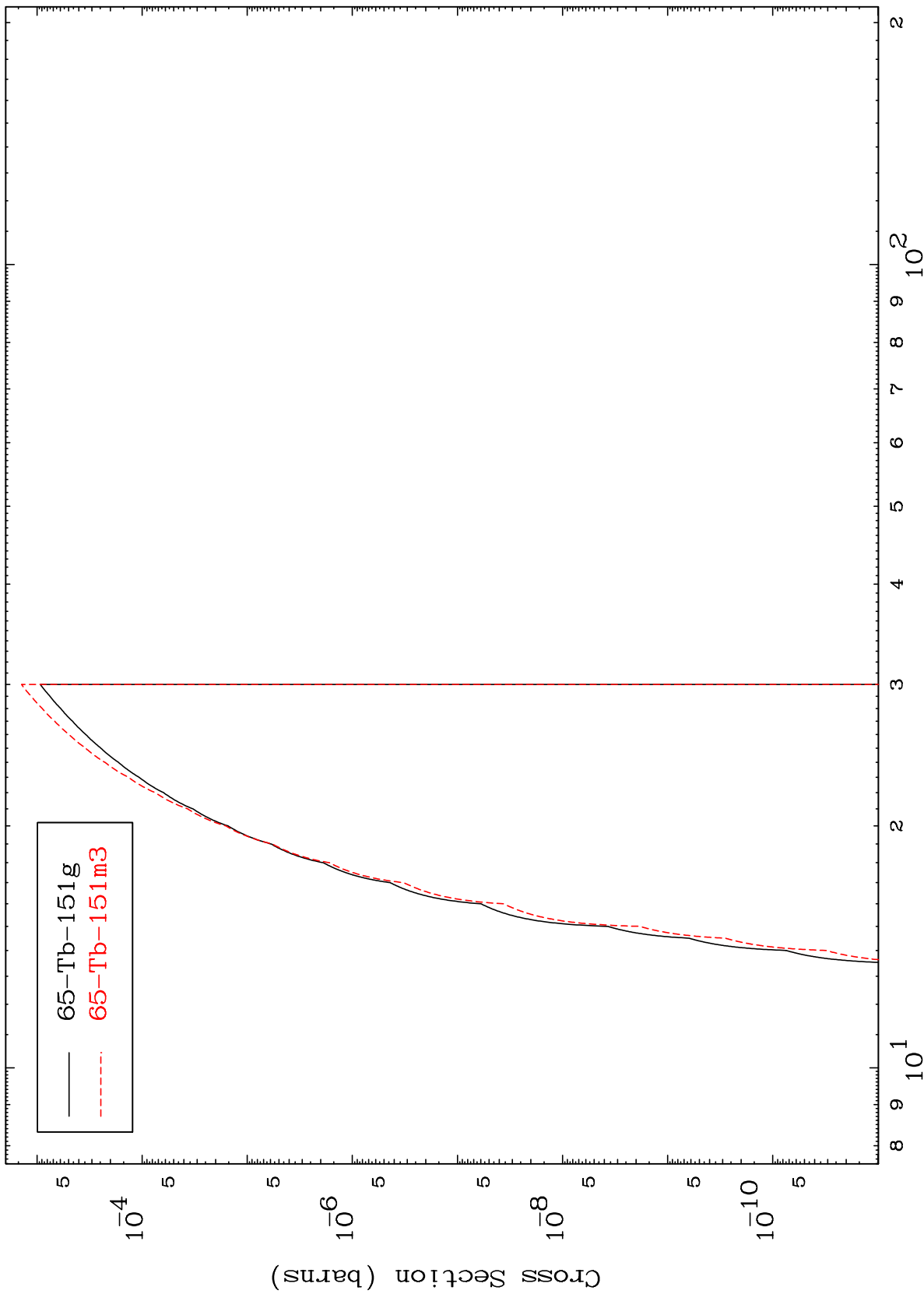
Incident Energy (MeV)

MAT 6690

(n,2n) p

67-Ho-153m

Radionuclide Production Cross Section



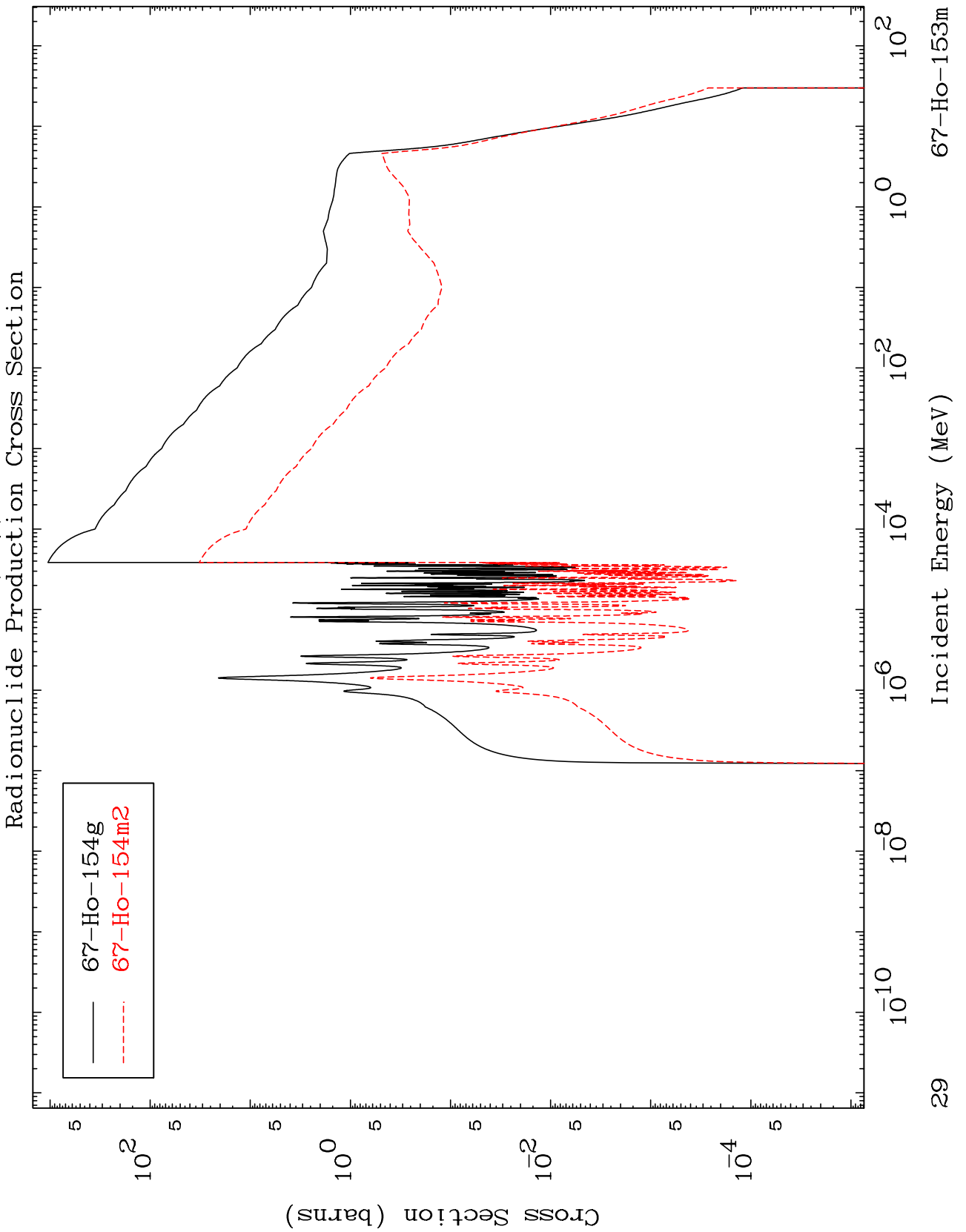
Incident Energy (MeV)

67-Ho-153m

28

MAT 6690

67-Ho-153m

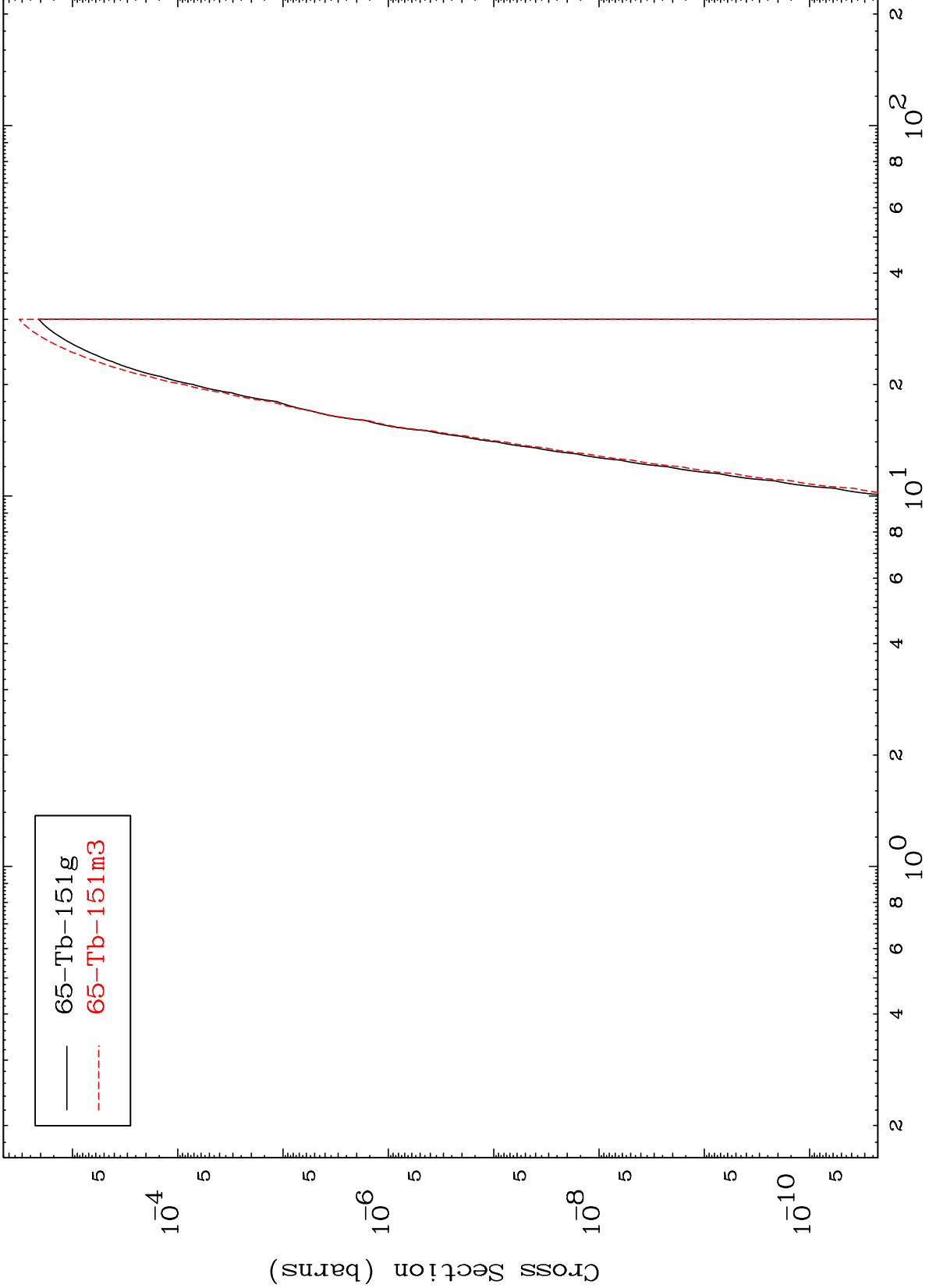


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(n,He-3)

67-Ho-153m

Radionuclide Production Cross Section



30

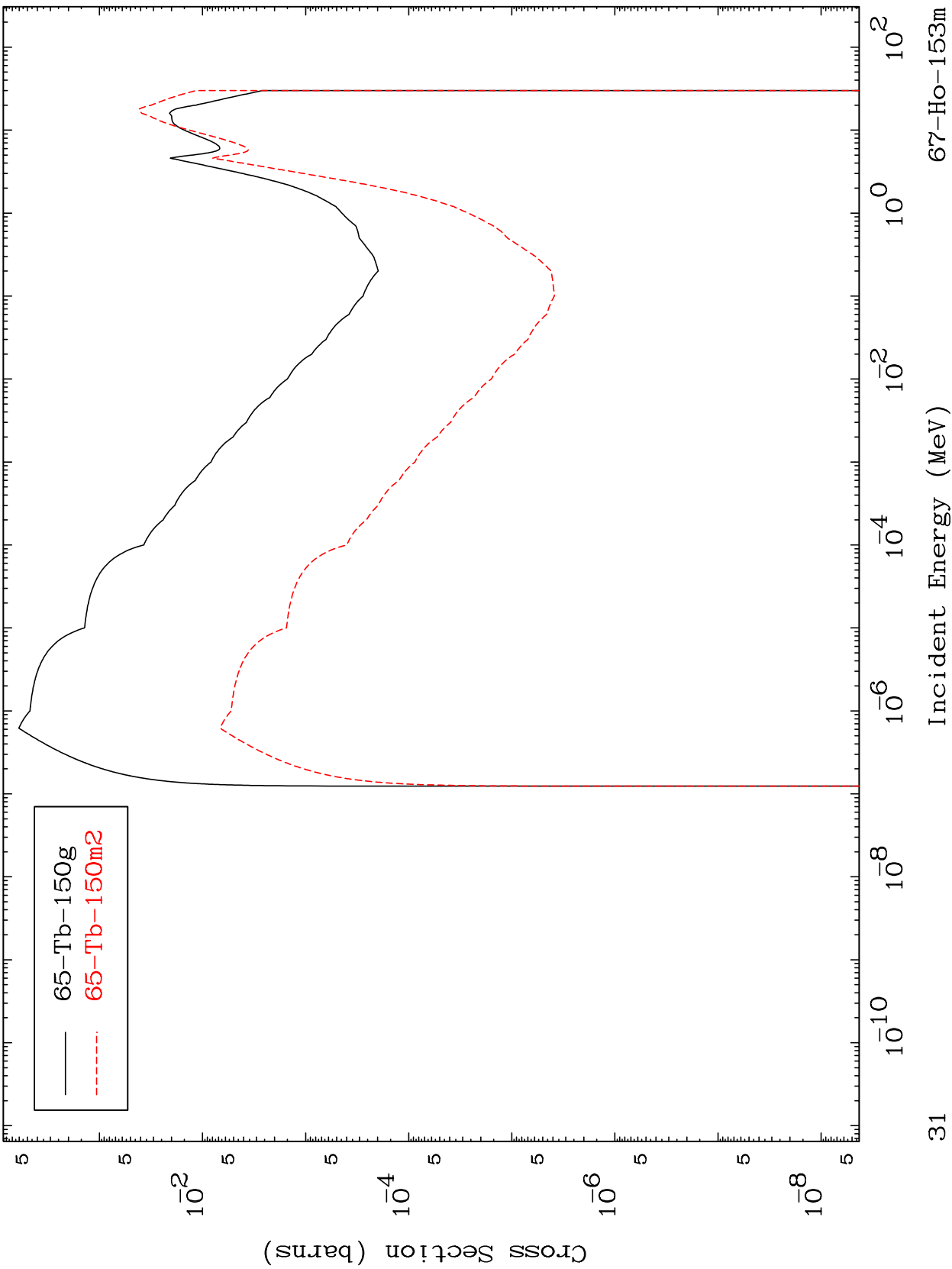
Incident Energy (MeV)

67-Ho-153m

MAT 6690

67-Ho-153m

Radionuclide Production Cross Section



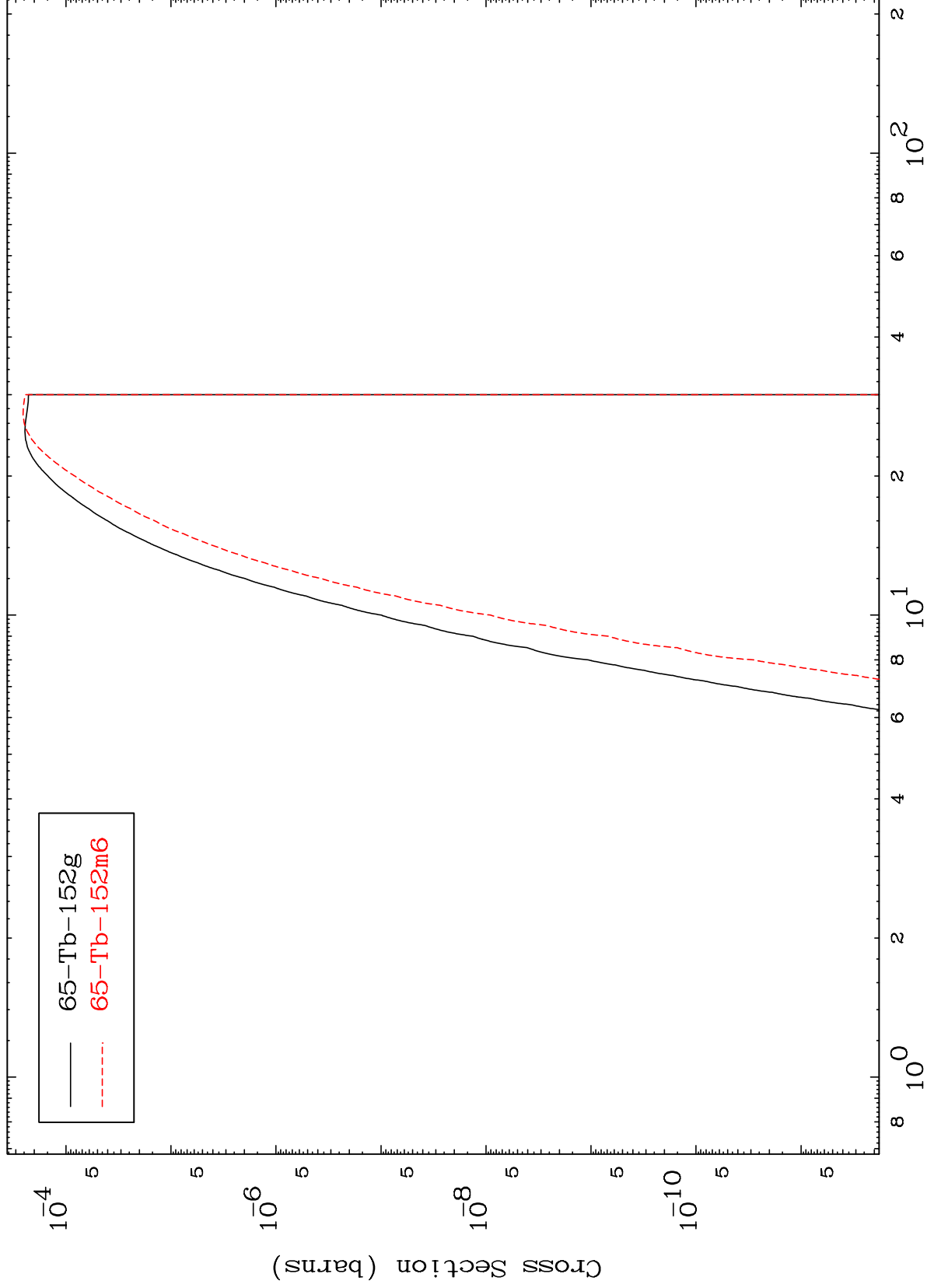


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(n,2p)

67-Ho-153m

Radionuclide Production Cross Section



32

Incident Energy (MeV)

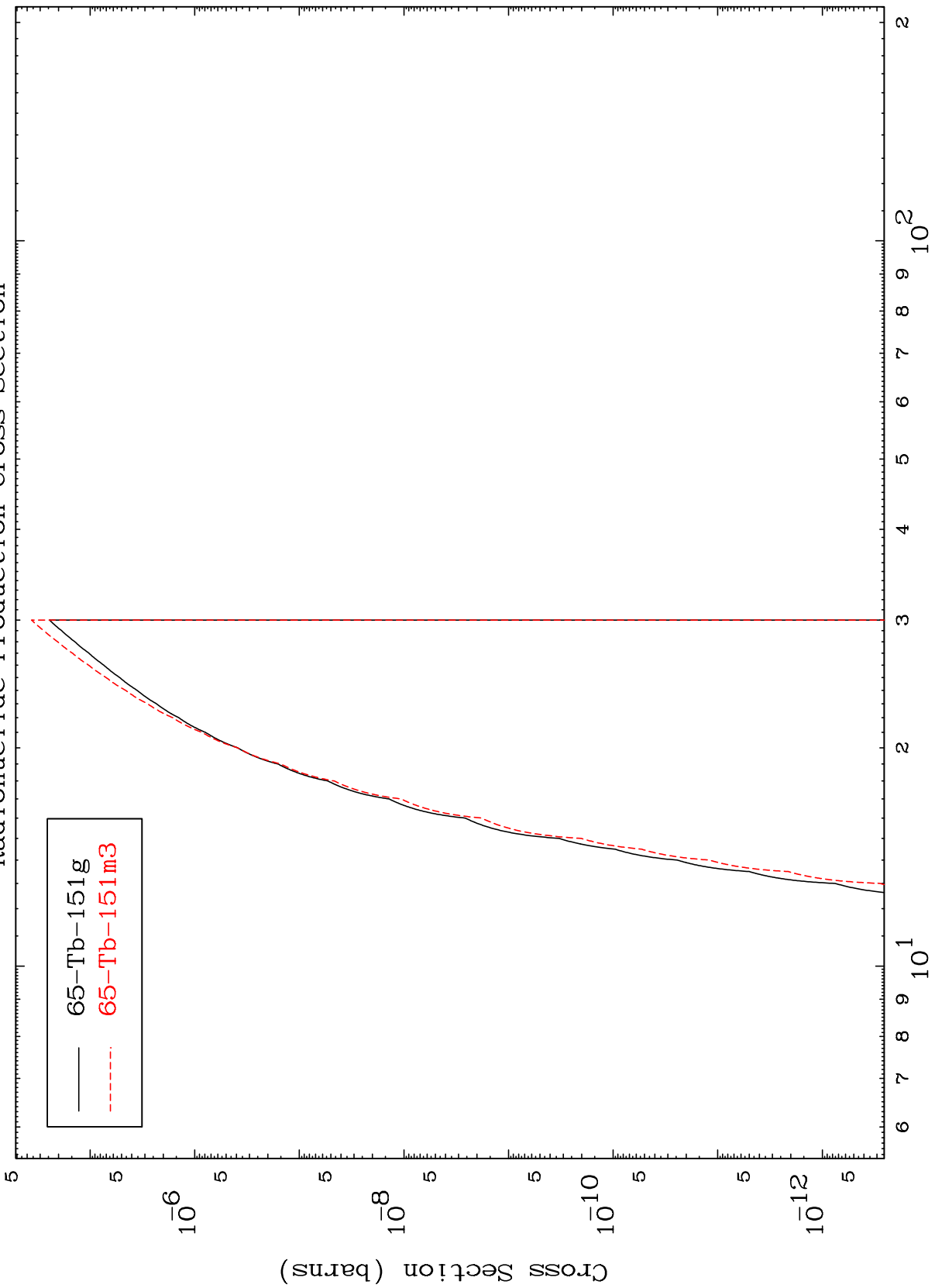
67-Ho-153m

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(n,p) d

67-Ho-153m

Radionuclide Production Cross Section



65-Tb-151g  
65-Tb-151m3

33

Incident Energy (MeV)

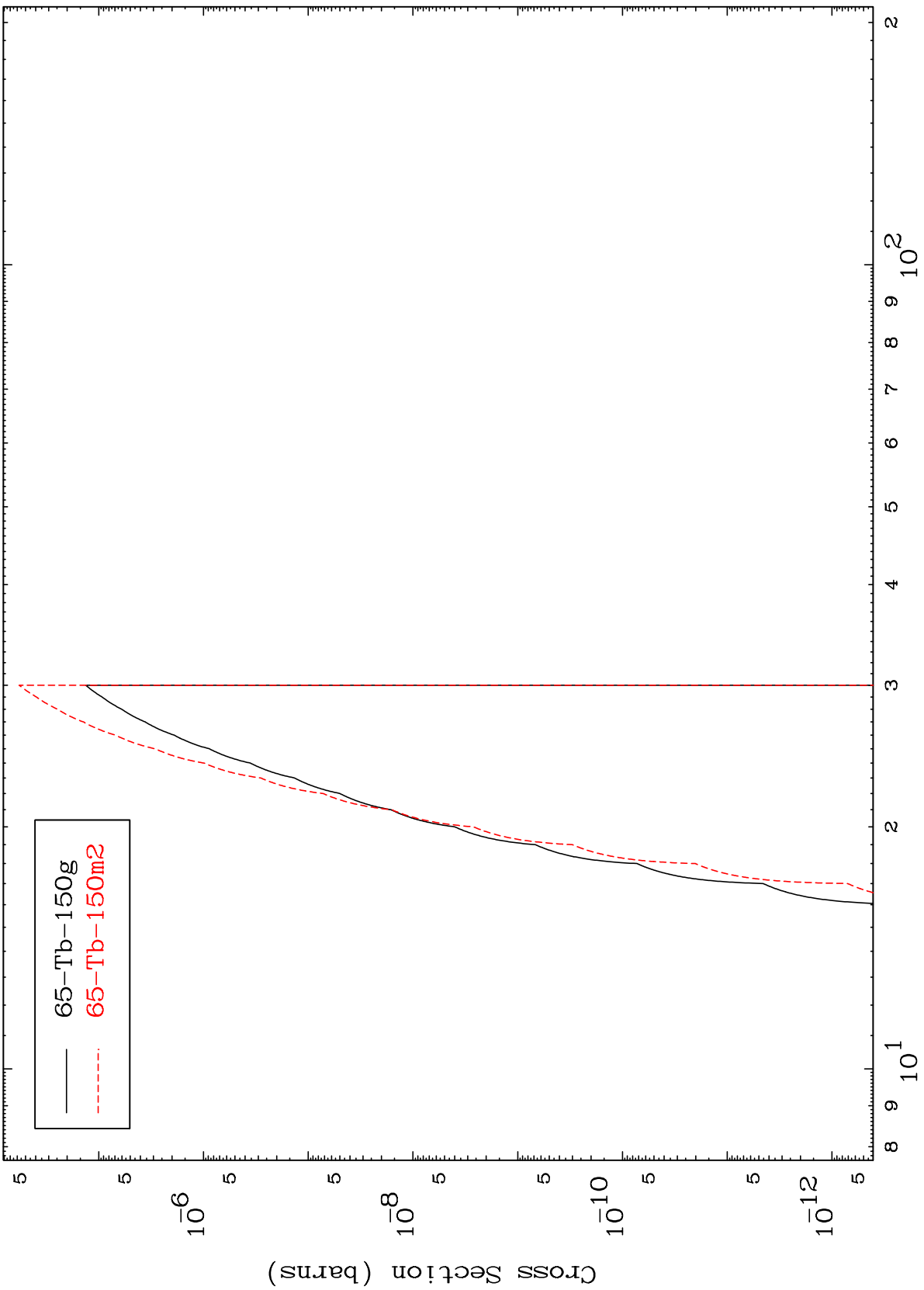
67-Ho-153m

MAT 6690

(n,p) t

67-Ho-153m

Radionuclide Production Cross Section



65-Tb-150g  
65-Tb-150m2

34

Incident Energy (MeV)

67-Ho-153m