

Program EVALPLOT  
(Version 2021-1)

by

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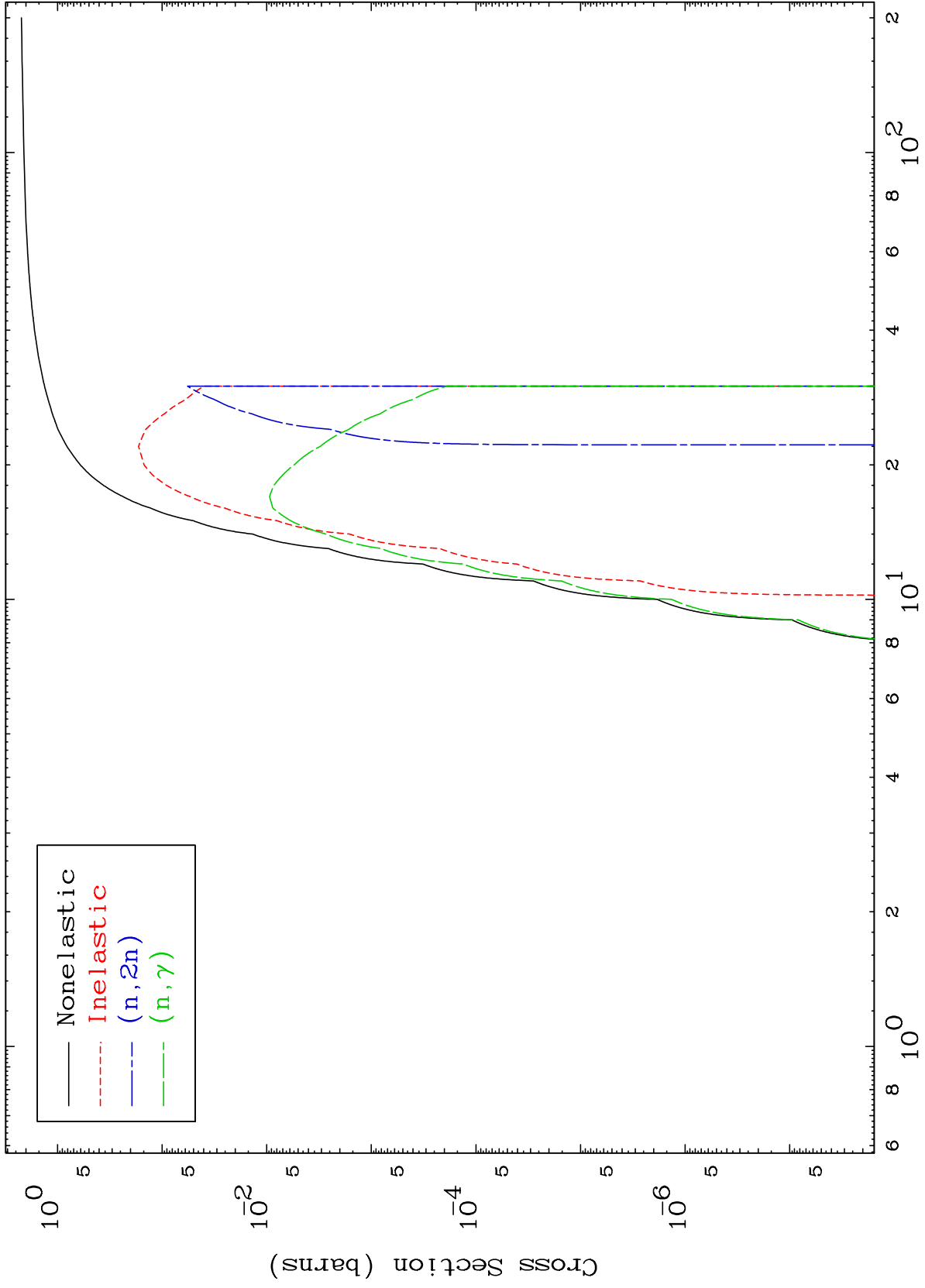
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5493

0 Kelvin Major  
 $\alpha$  Major Cross Sections

55-Cs-122m



Legend:  
— Nonelastic  
- - - Inelastic  
- · -  $(n, 2n)$   
- - -  $(n, \gamma)$

55-Cs-122m

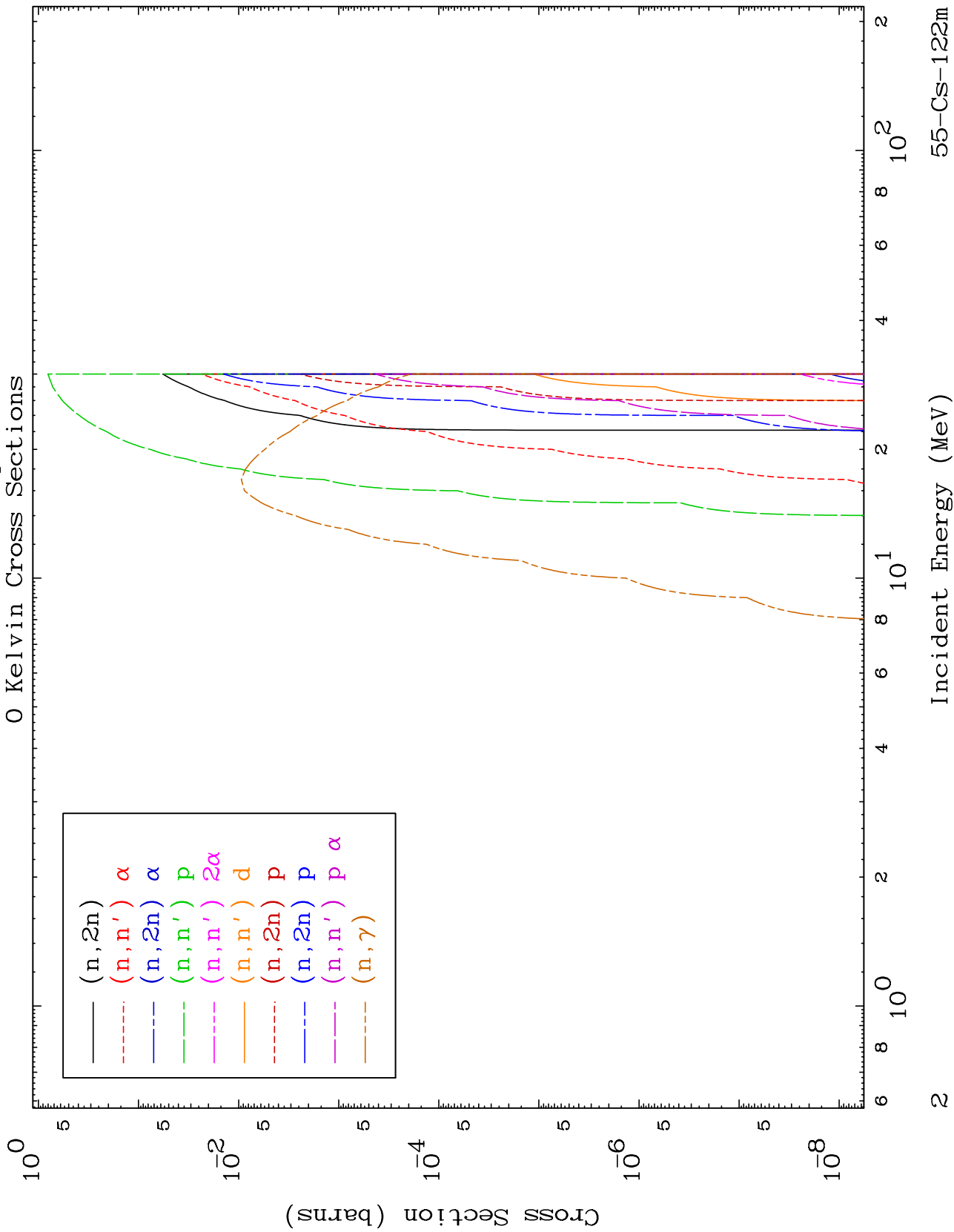
Incident Energy (MeV)

1

MAT 5493

$\alpha$  Neutron Absorption

55-Cs-122m

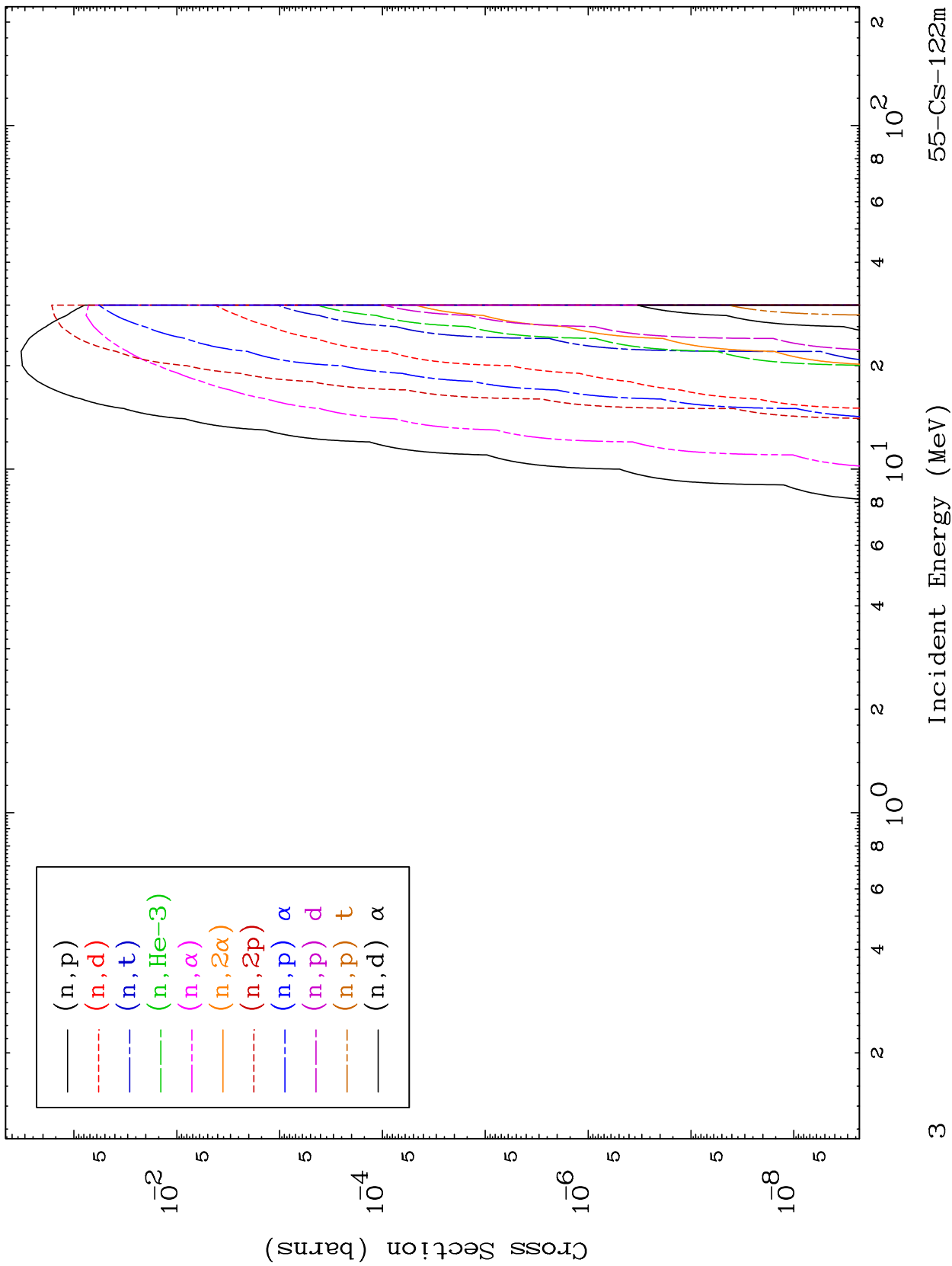


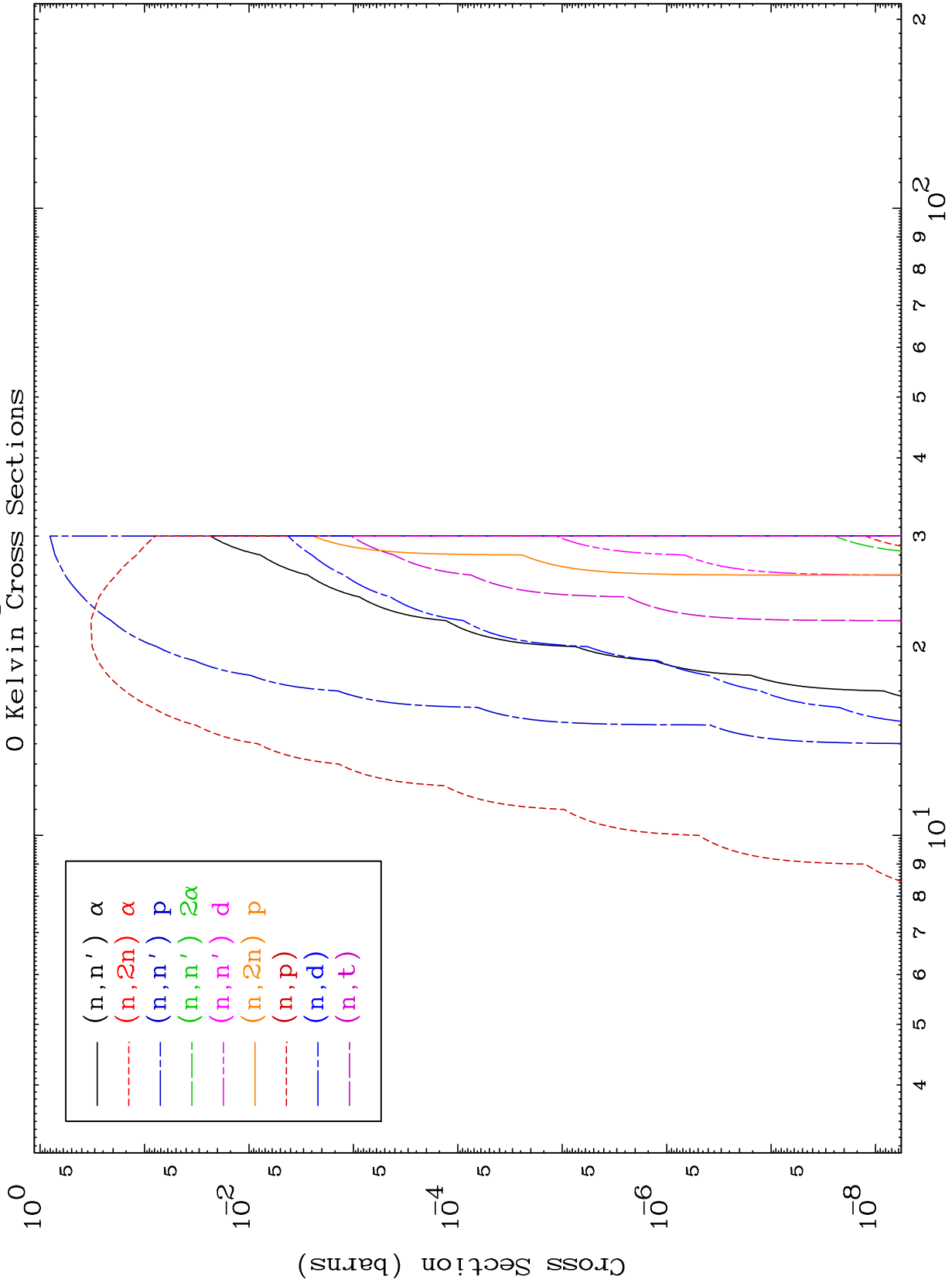
0 Kelvin Cross Sections

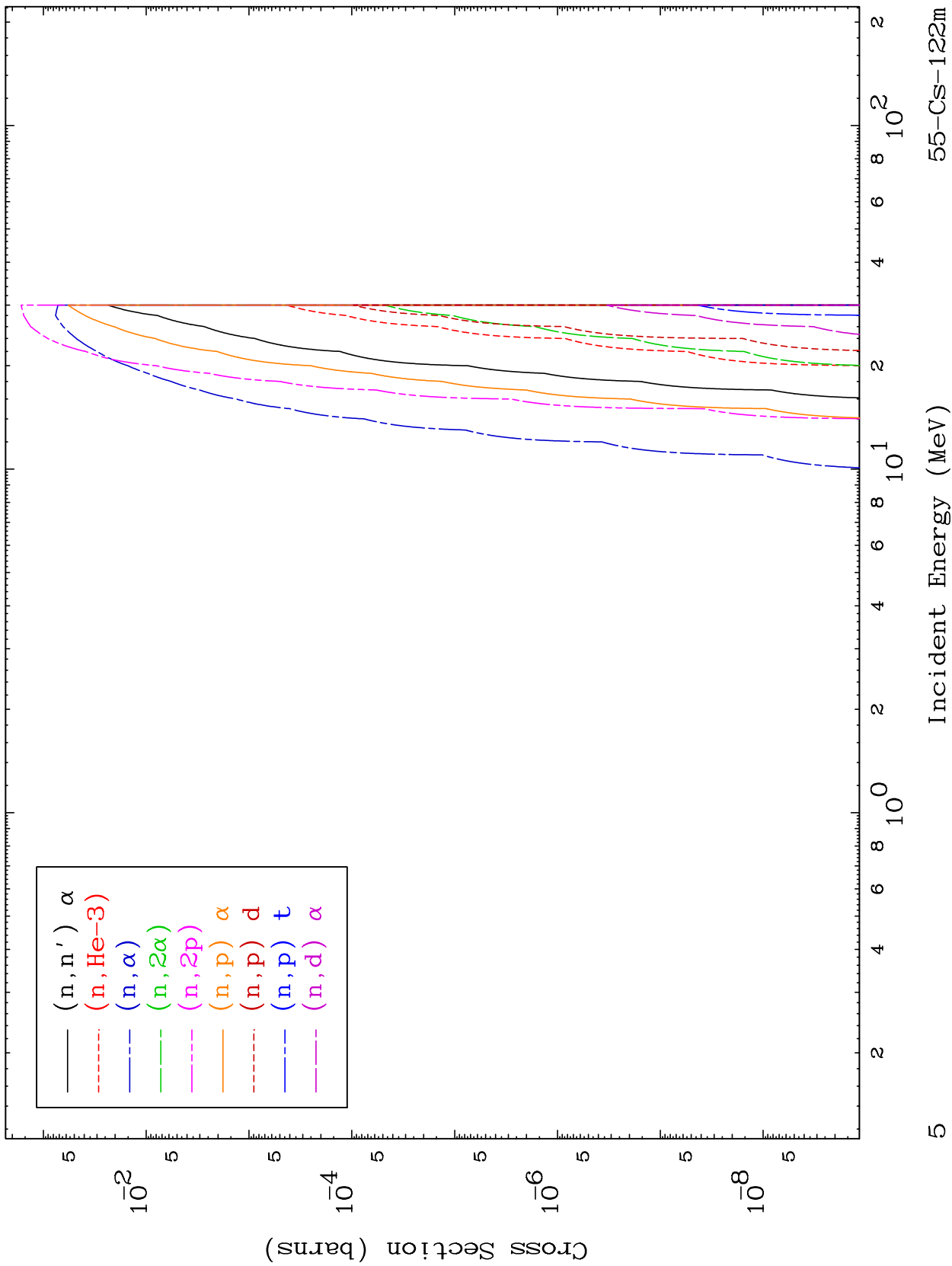
Incident Energy (MeV)

55-Cs-122m

2





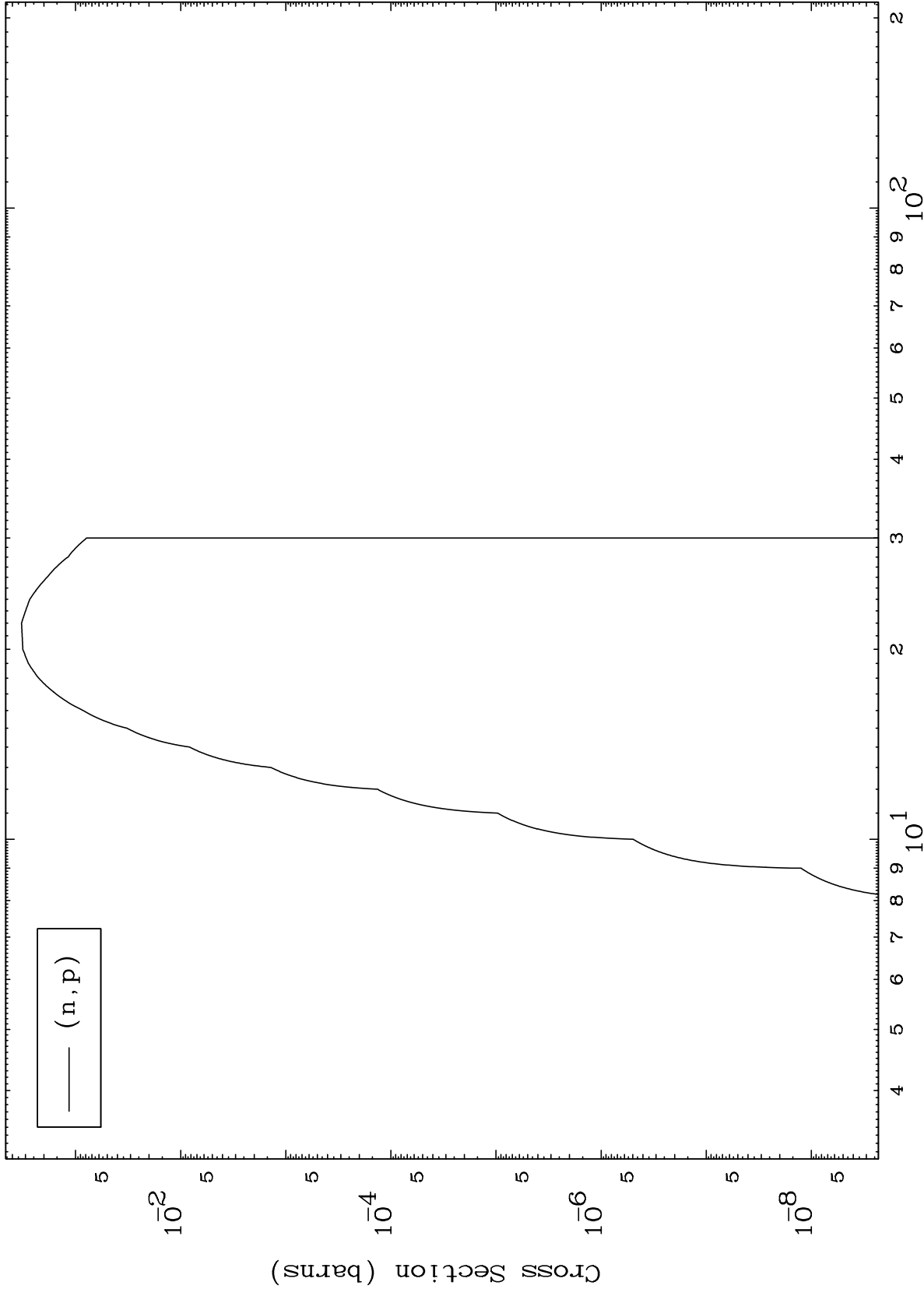


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( $\alpha, p$ ) Levels

55-Cs-122m

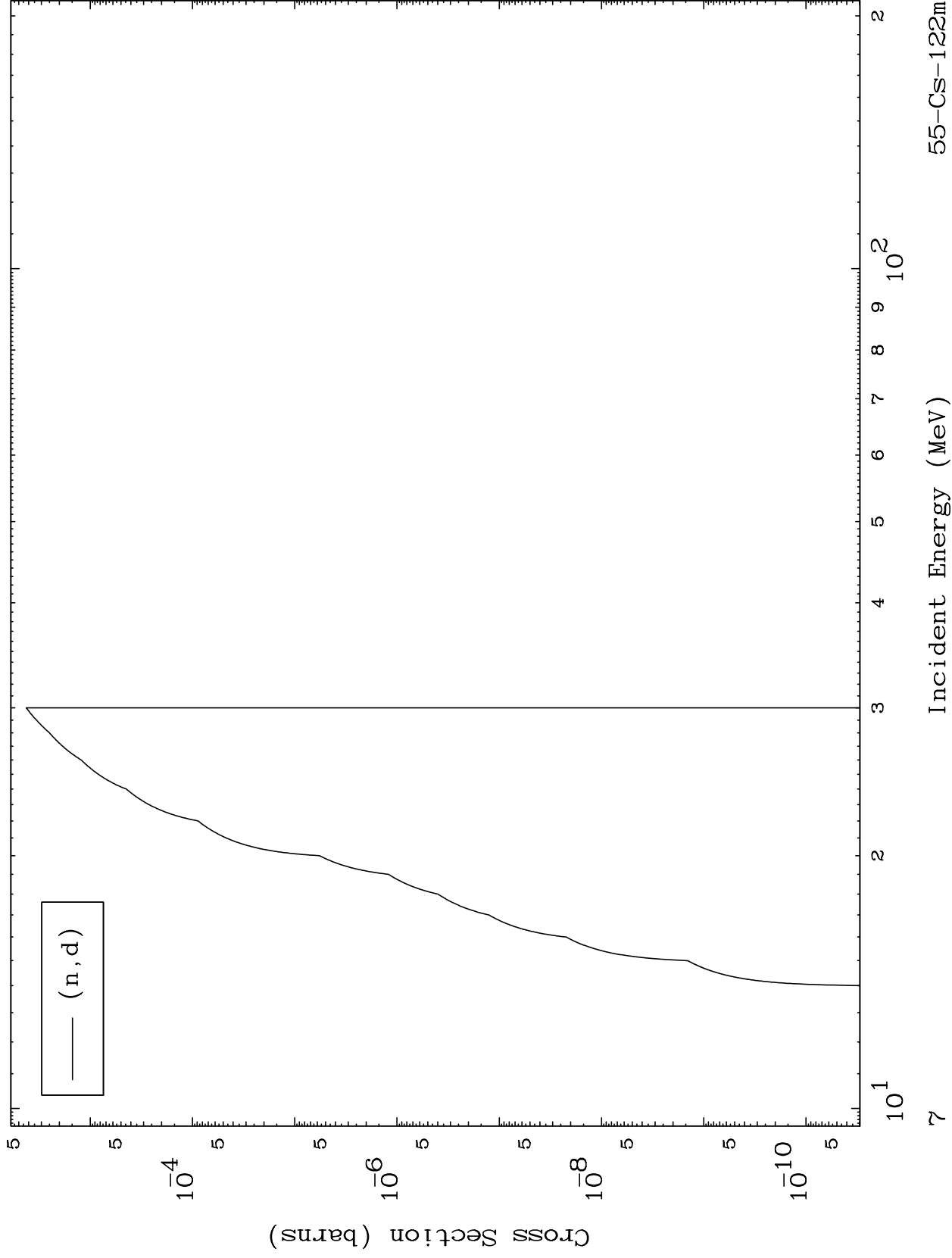
0 Kelvin Cross Sections



MAT 5493

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

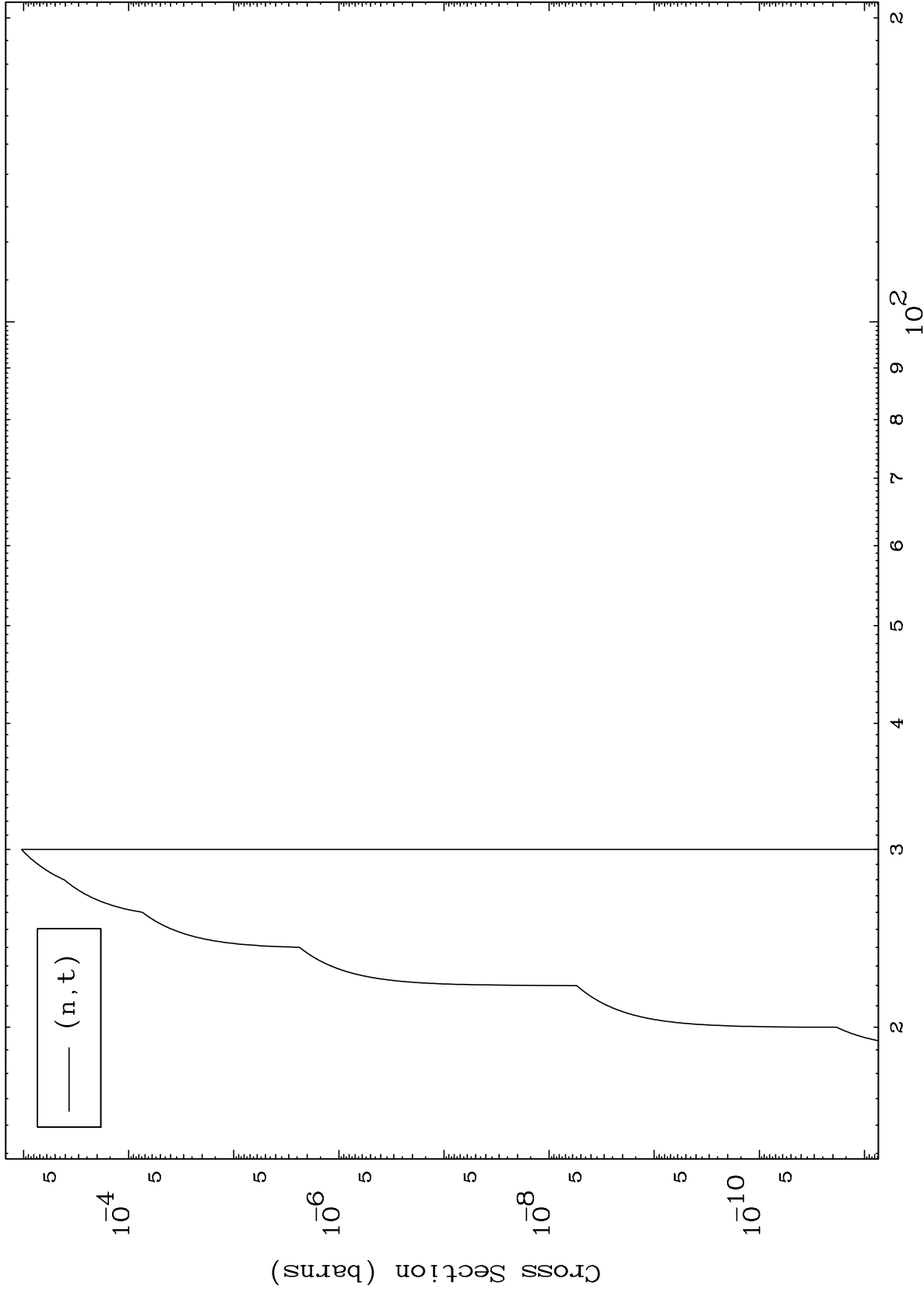
55-Cs-122m



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

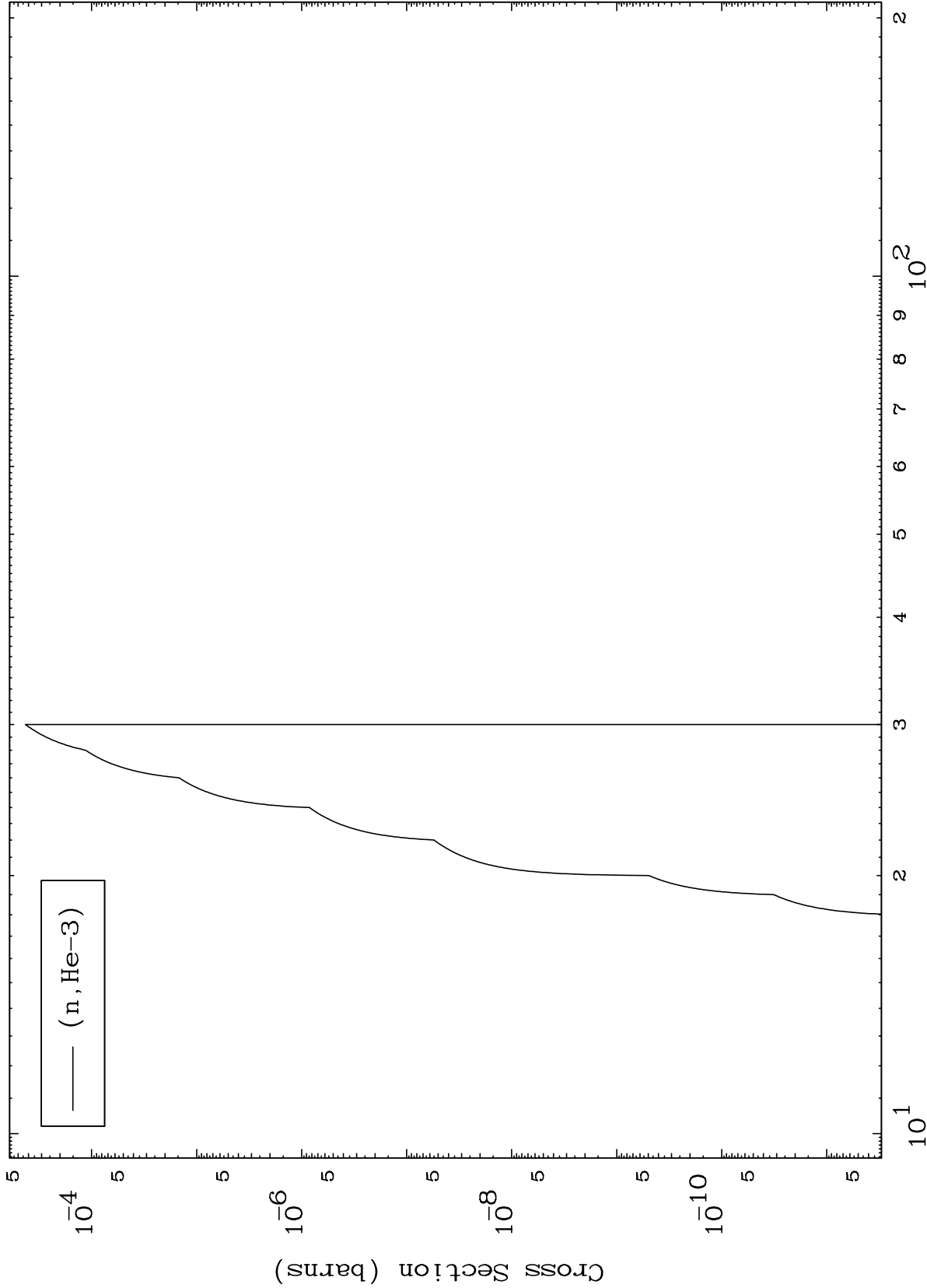
55-Cs-122m



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

55-Cs-122m



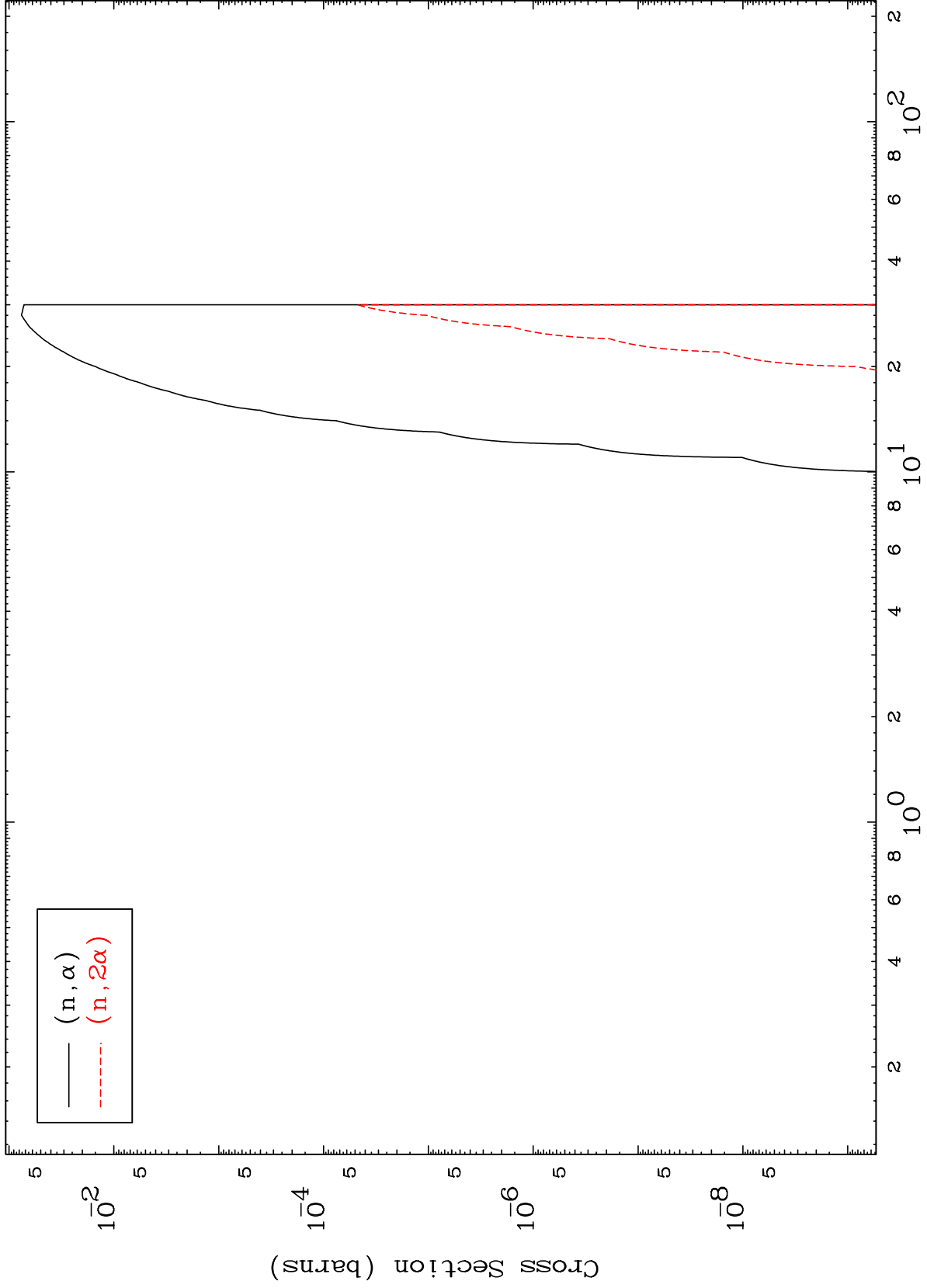
Incident Energy (MeV)

55-Cs-122m

MAT 5493

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

55-Cs-122m



10

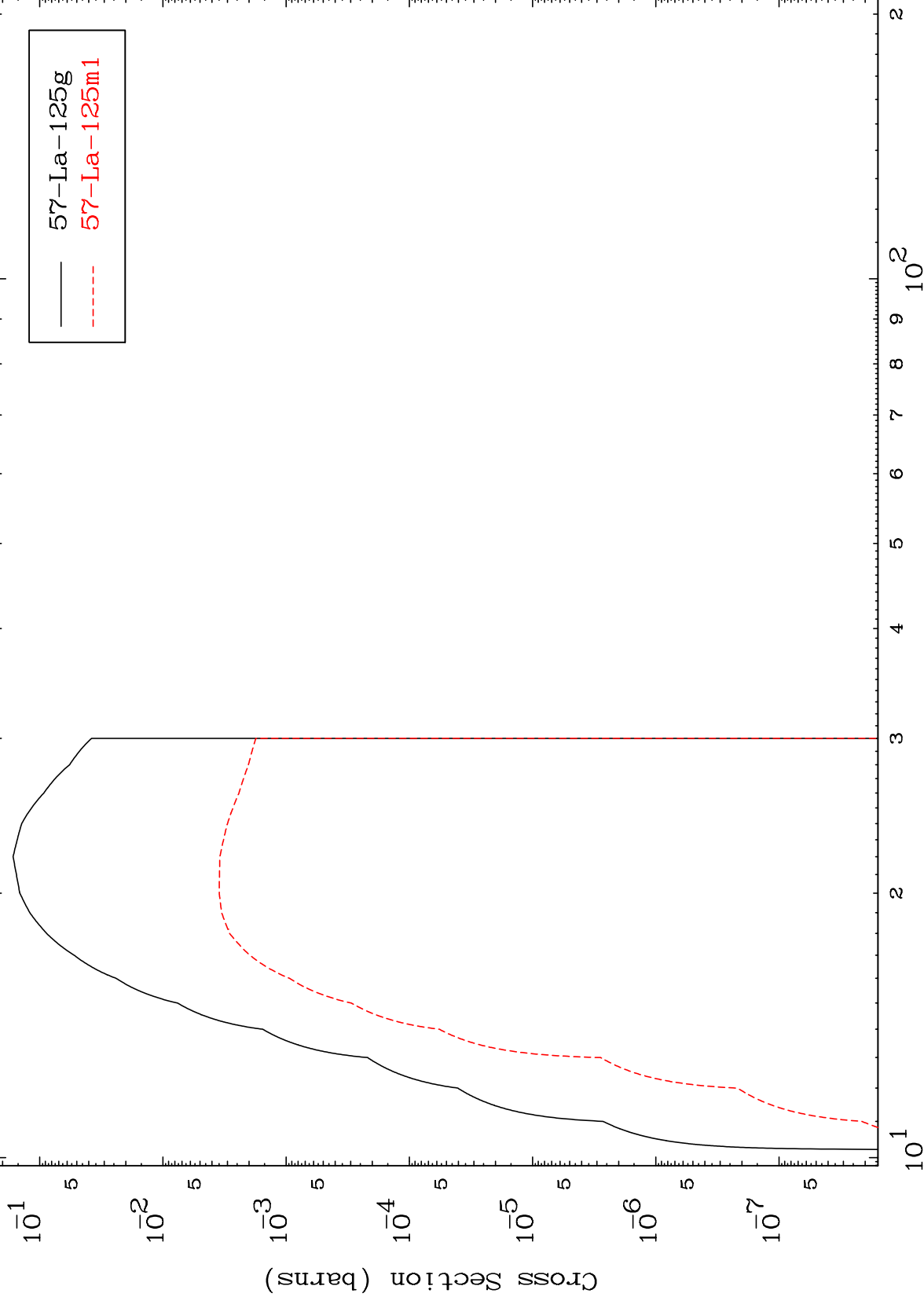
Incident Energy (MeV)

55-Cs-122m

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Inelastic  
Radionuclide Production Cross Section

55-Cs-122m



57-La-125g  
57-La-125m1

Incident Energy (MeV)

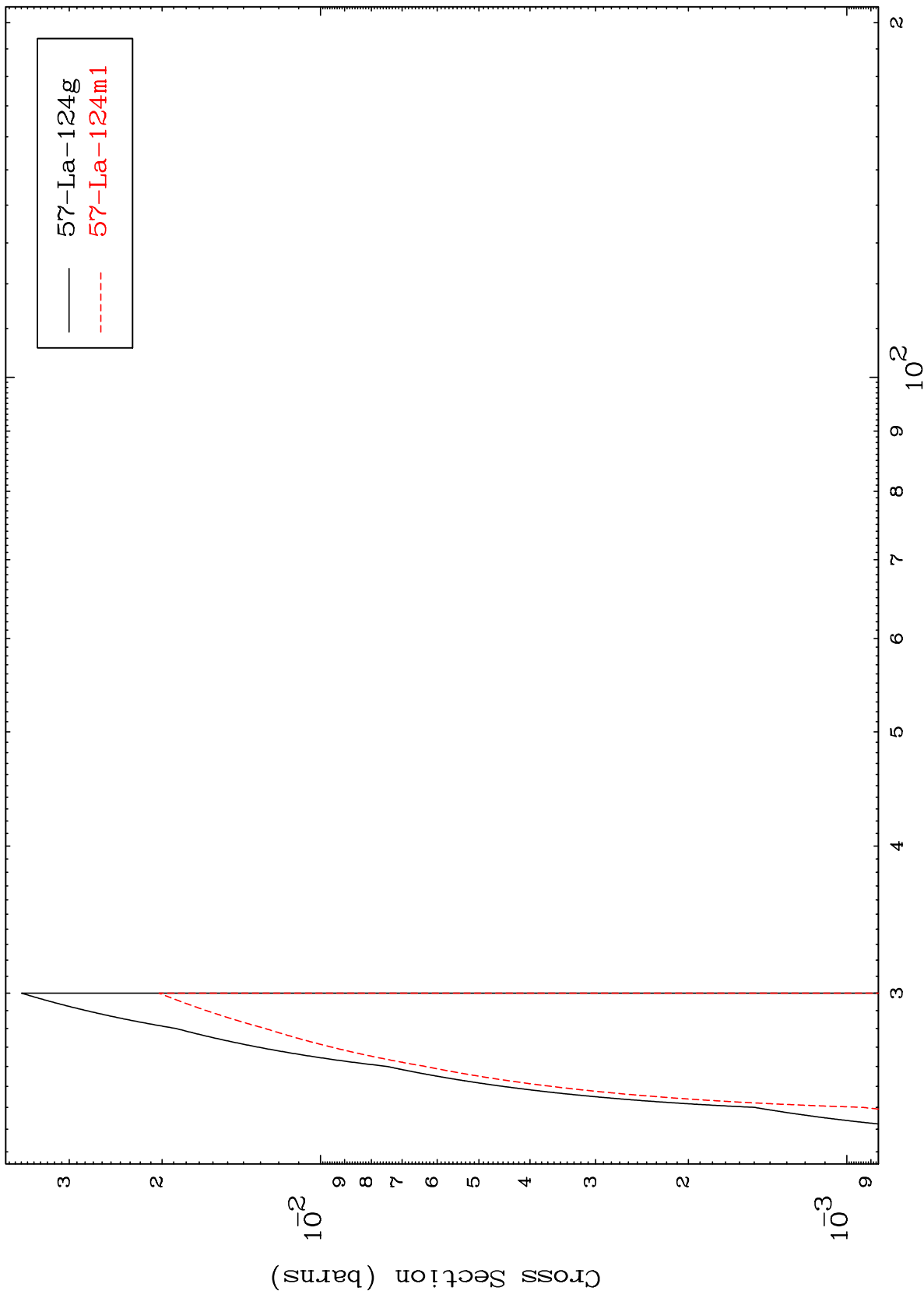
55-Cs-122m

11

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55-Cs-122m

(n,2n)  
Radionuclide Production Cross Section



12

Incident Energy (MeV)

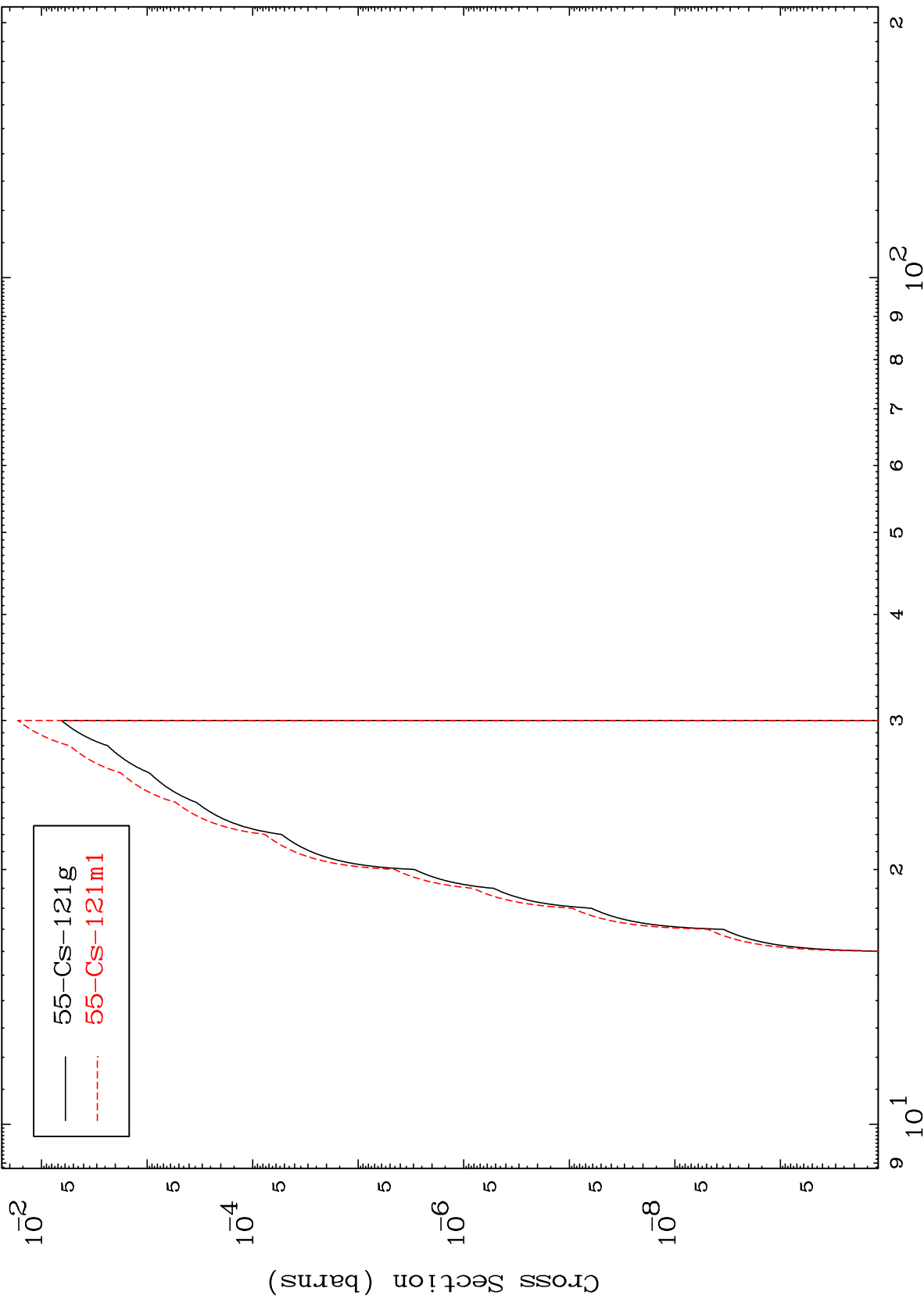
55-Cs-122m

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(n,n')  $\alpha$

55-Cs-122m

Radionuclide Production Cross Section



13

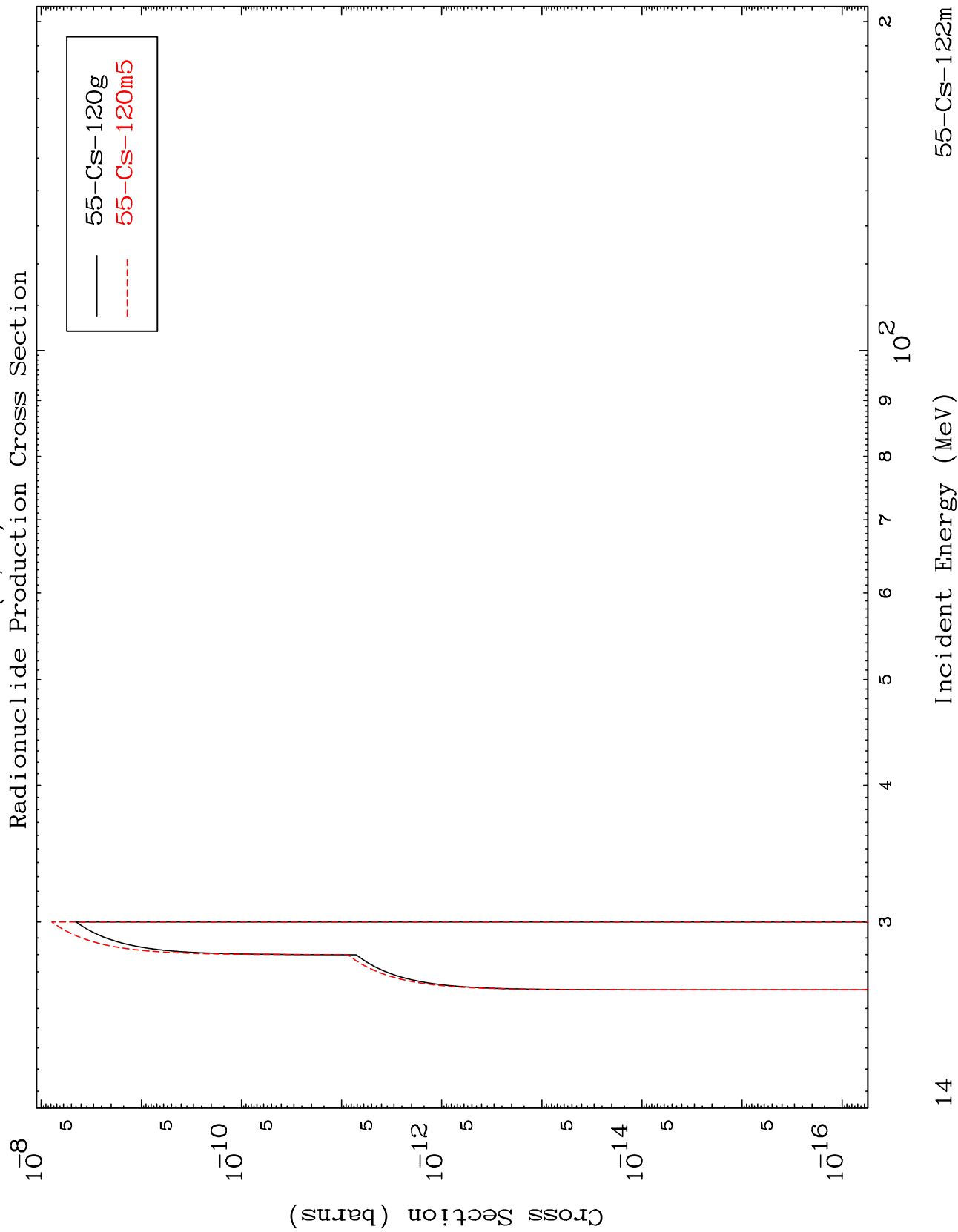
Incident Energy (MeV)

55-Cs-122m

MAT 5493

(n,2n)  $\alpha$

55-Cs-122m



14

Incident Energy (MeV)

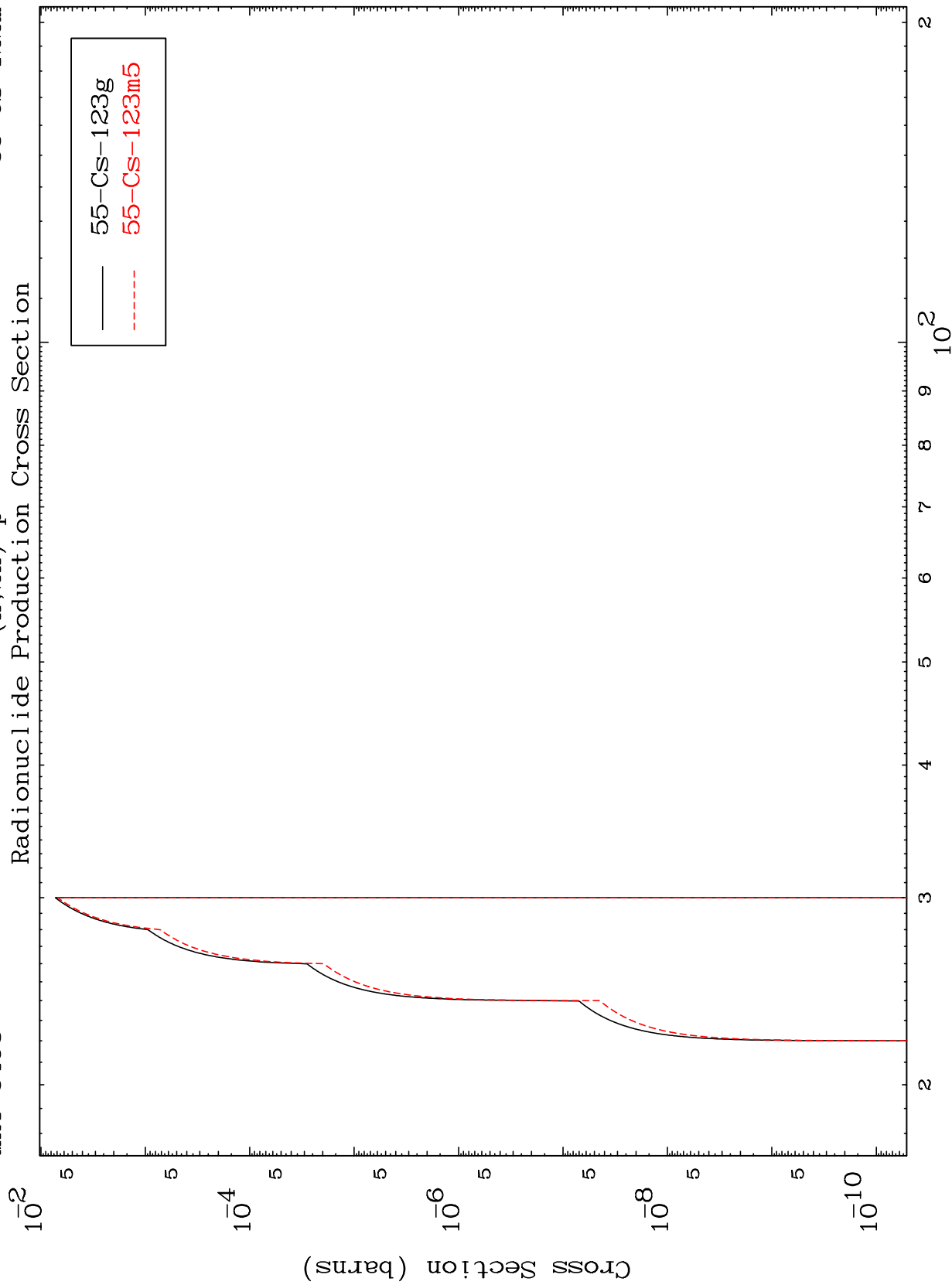
55-Cs-122m

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(n,2n) p

55-Cs-122m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

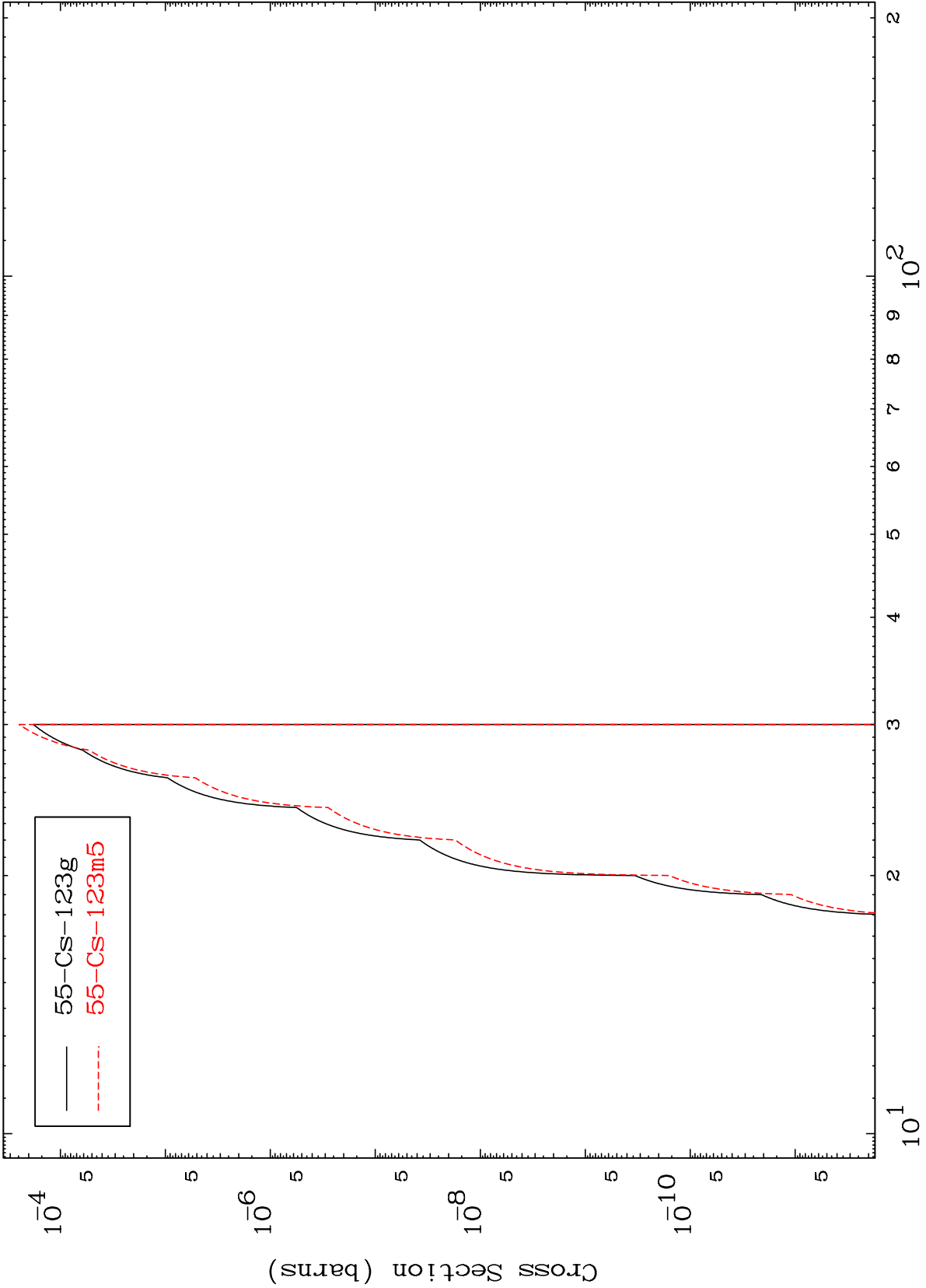
55-Cs-122m

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(n,He-3)

55-Cs-122m

Radionuclide Production Cross Section



55-Cs-123g  
55-Cs-123m5

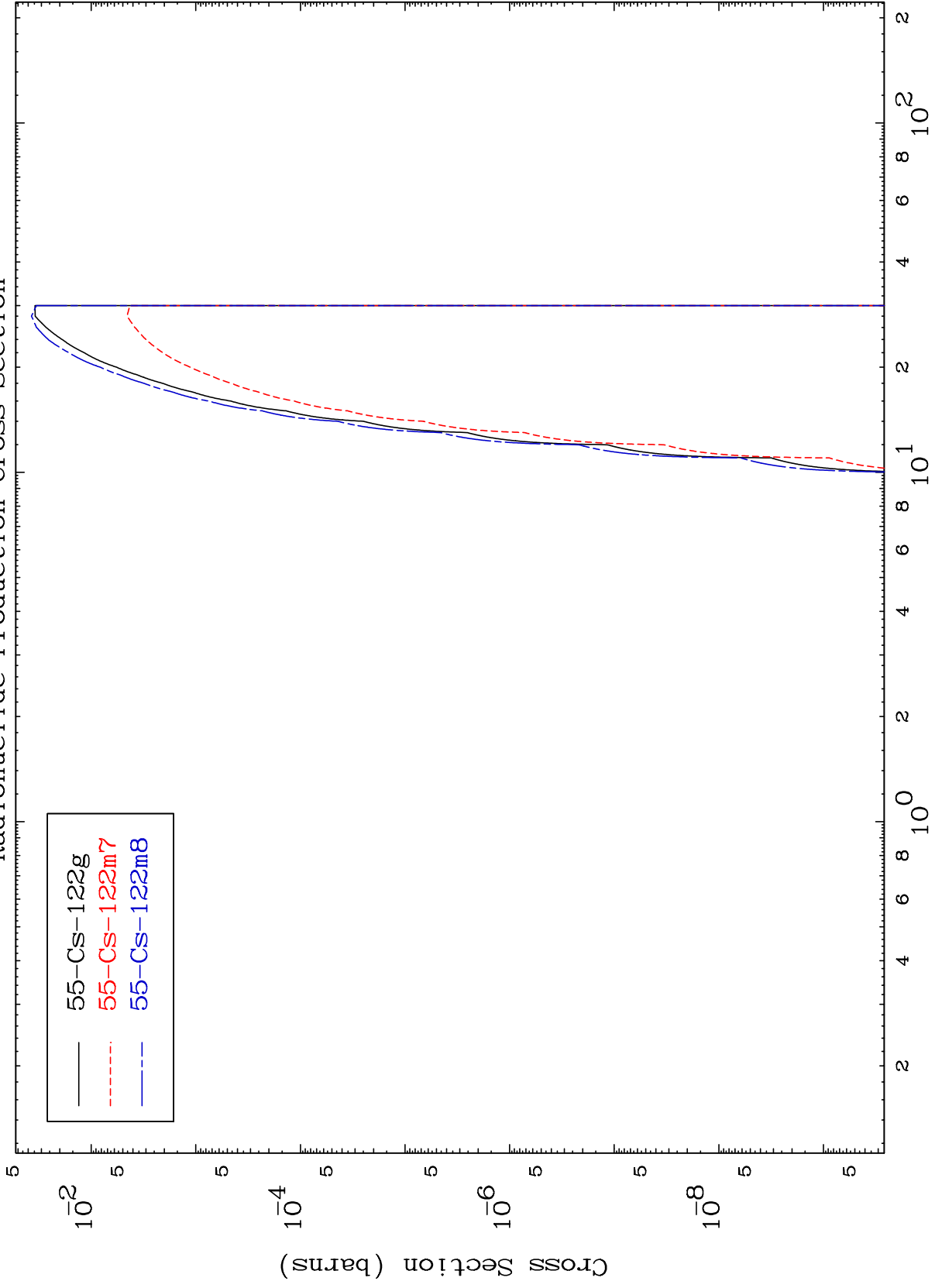
Incident Energy (MeV)

55-Cs-122m

MAT 5493

55-Cs-122m

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



55-Cs-122m

Incident Energy (MeV)

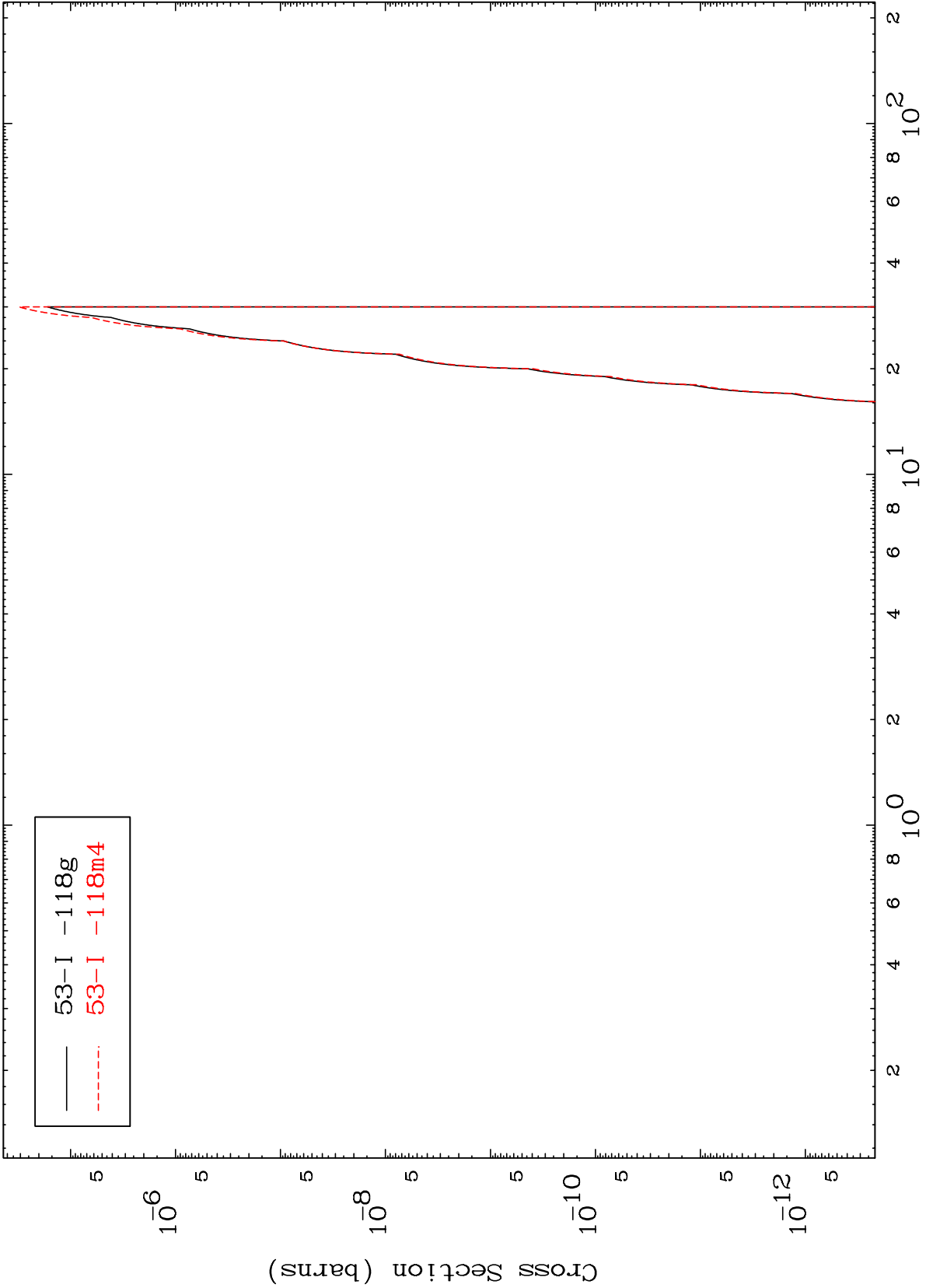
17

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(n,2α)

55-Cs-122m

Radionuclide Production Cross Section

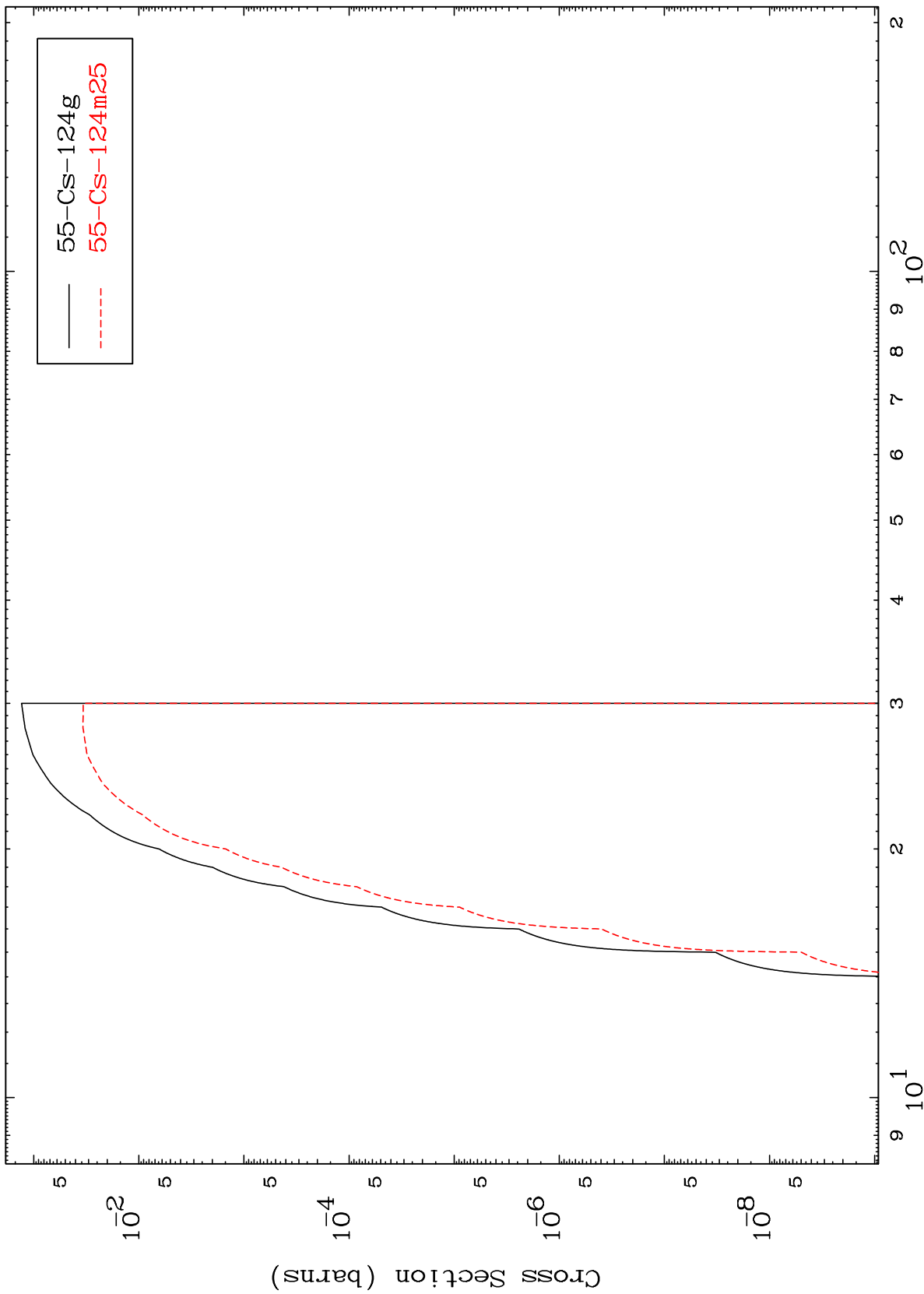


53-I -118g  
53-I -118m4

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55-Cs-122m

(n,2p)  
Radionuclide Production Cross Section



19

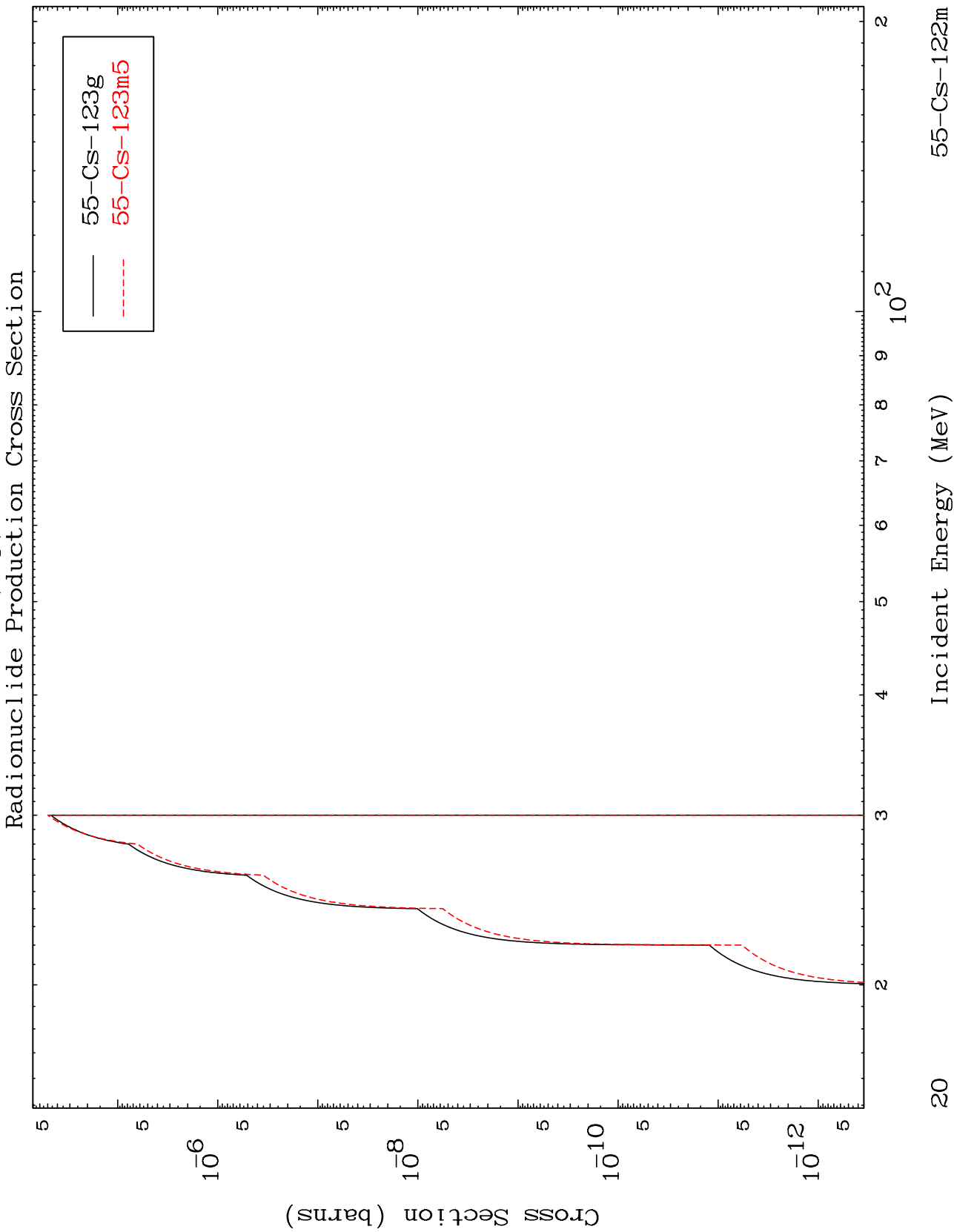
Incident Energy (MeV)

55-Cs-122m

MAT 5493

(n,p) d

55-Cs-122m



20

Incident Energy (MeV)

55-Cs-122m

Radionuclide Production Cross Section

