

Program EVALPLOT  
(Version 2021-1)

by

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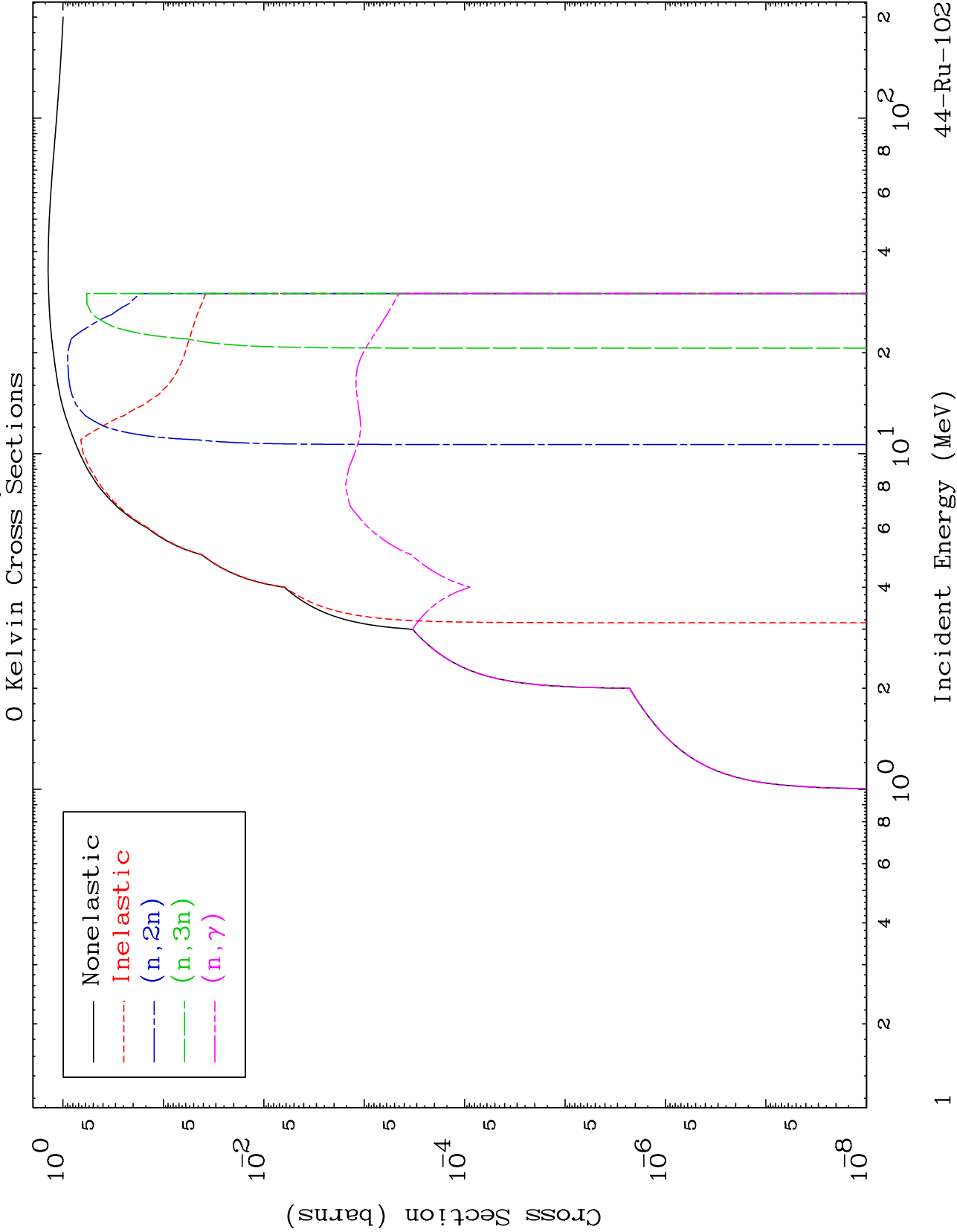
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 4443

Proton Major

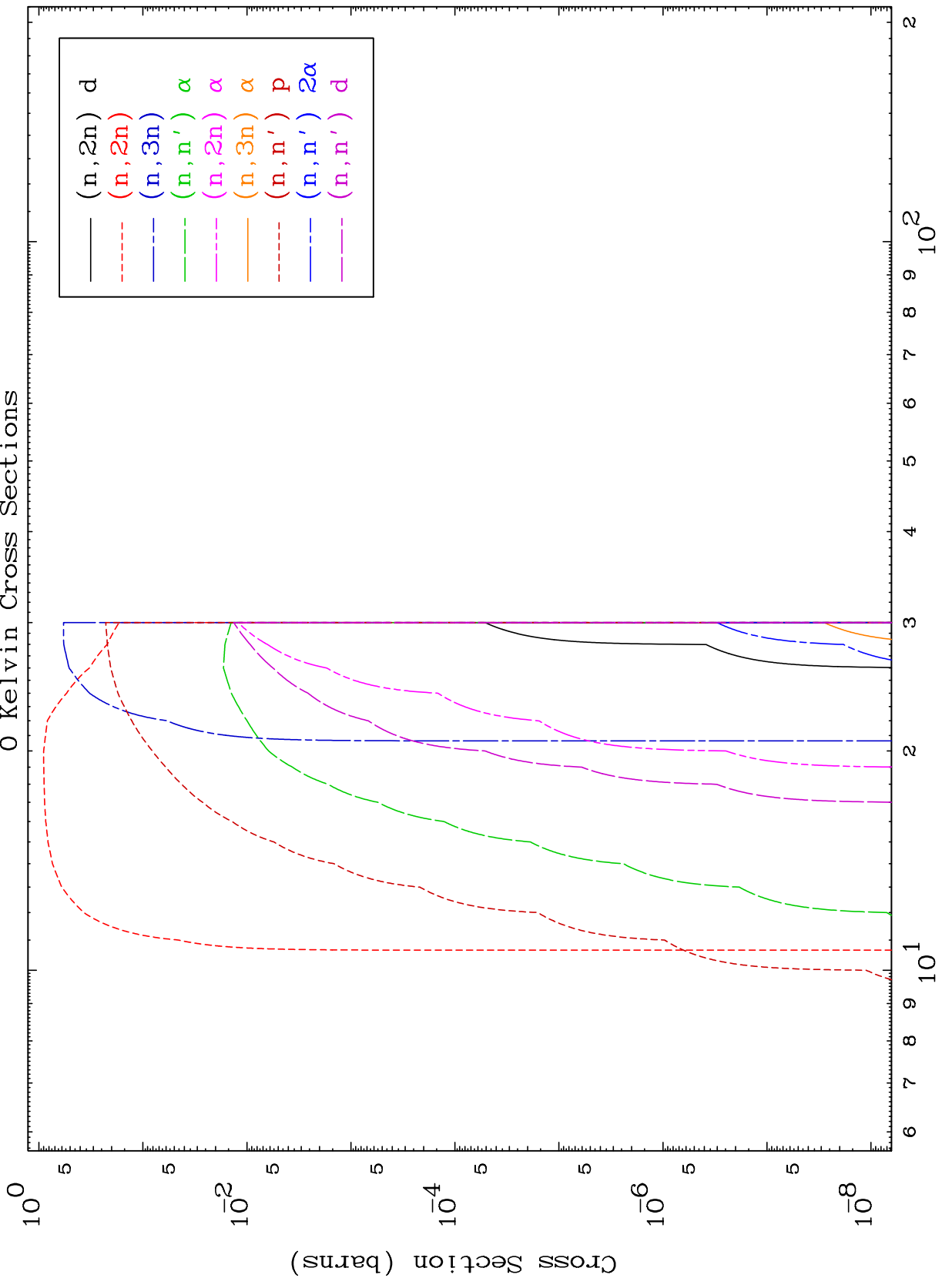
44-Ru-102



MAT 4443

Proton Neutron Absorption  
0 Kelvin Cross Sections

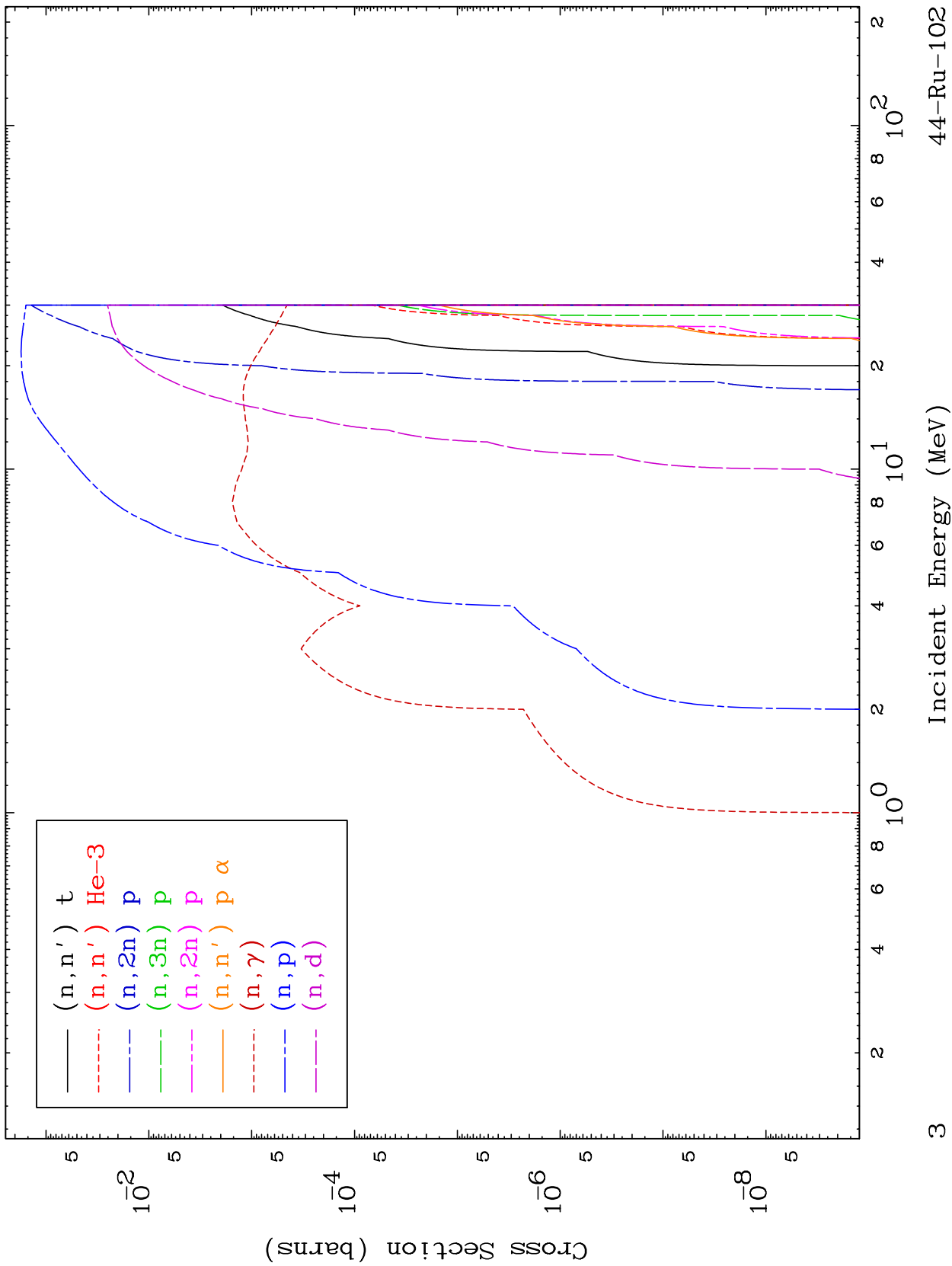
44-Ru-102



2

Incident Energy (MeV)

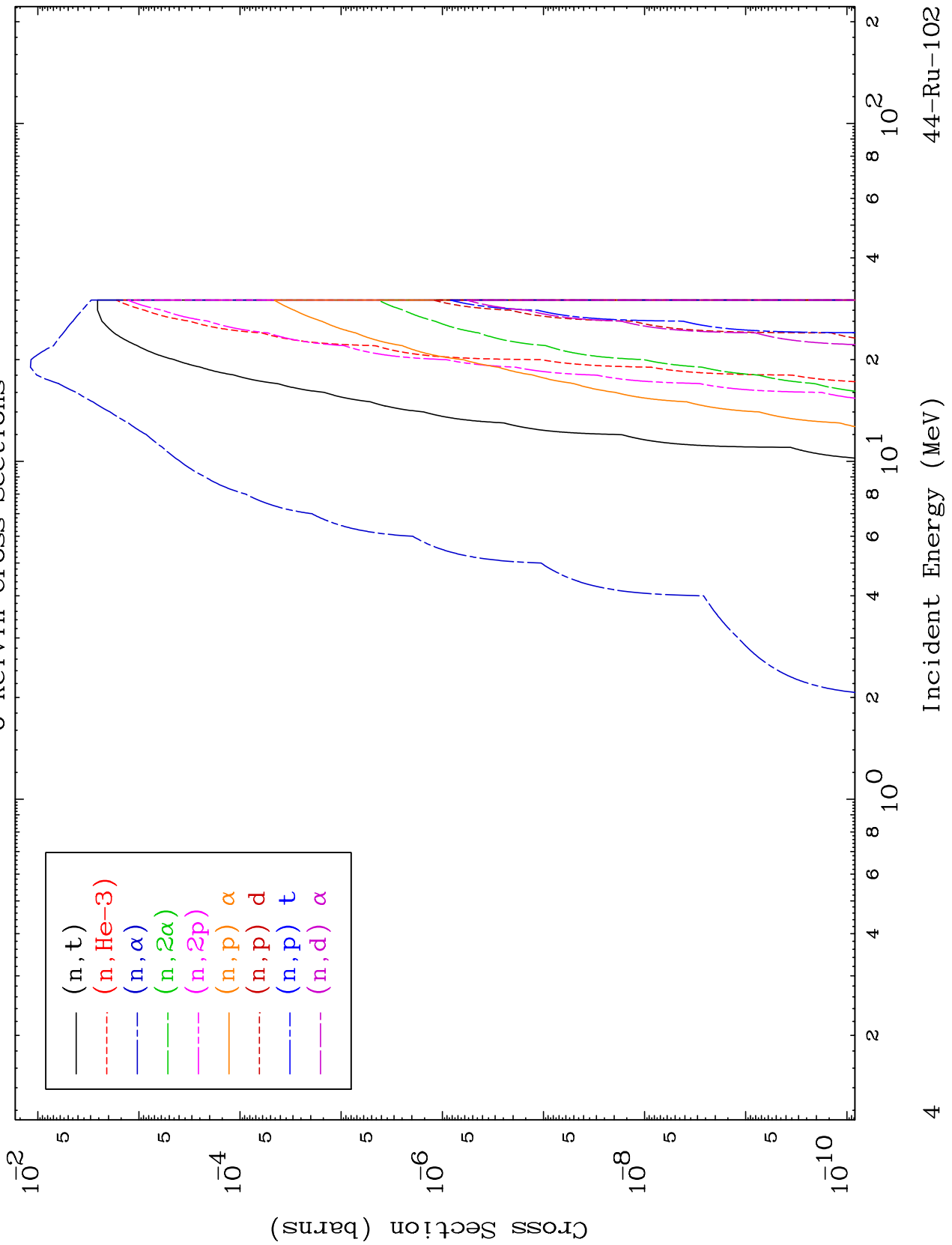
44-Ru-102

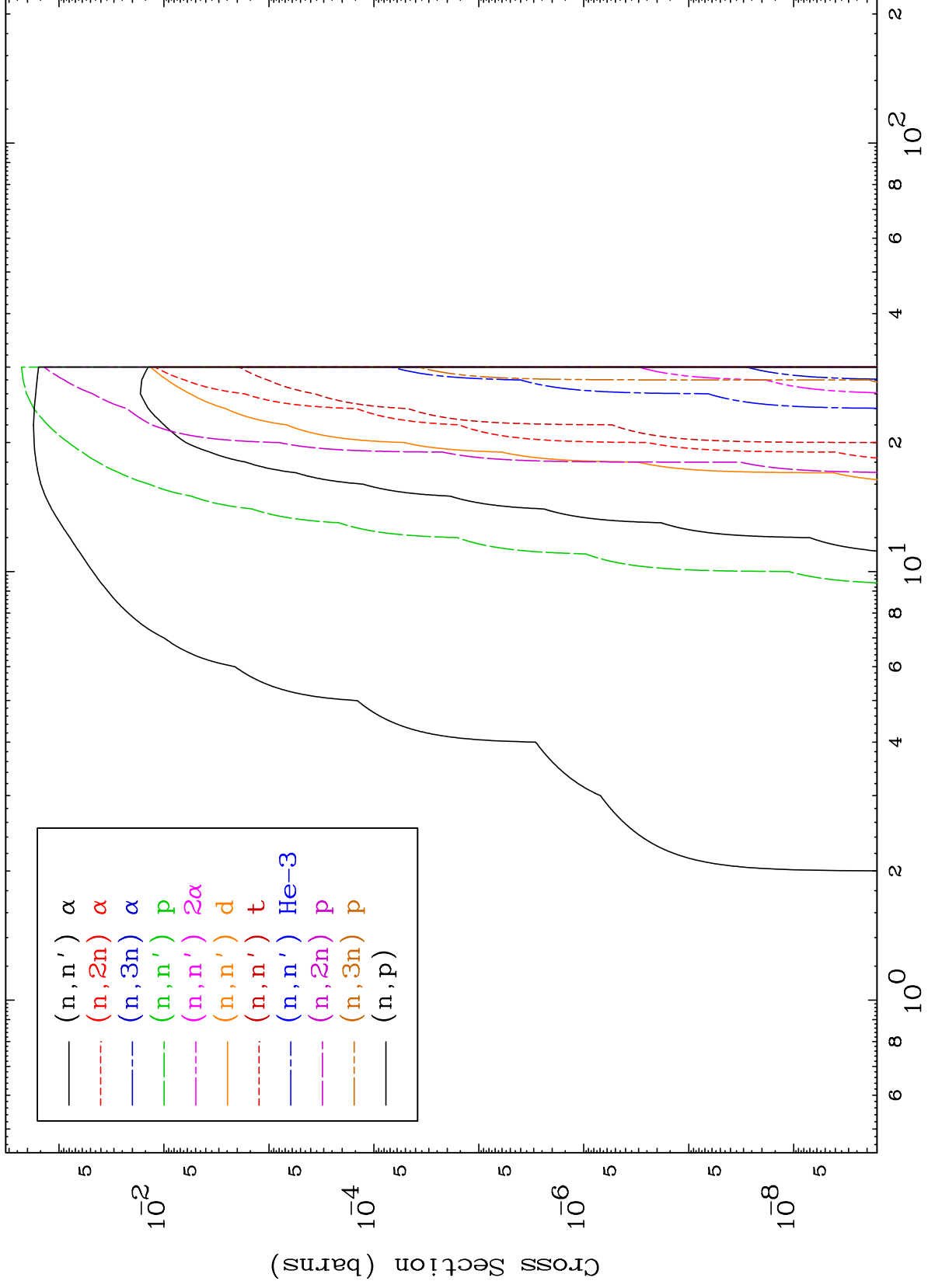


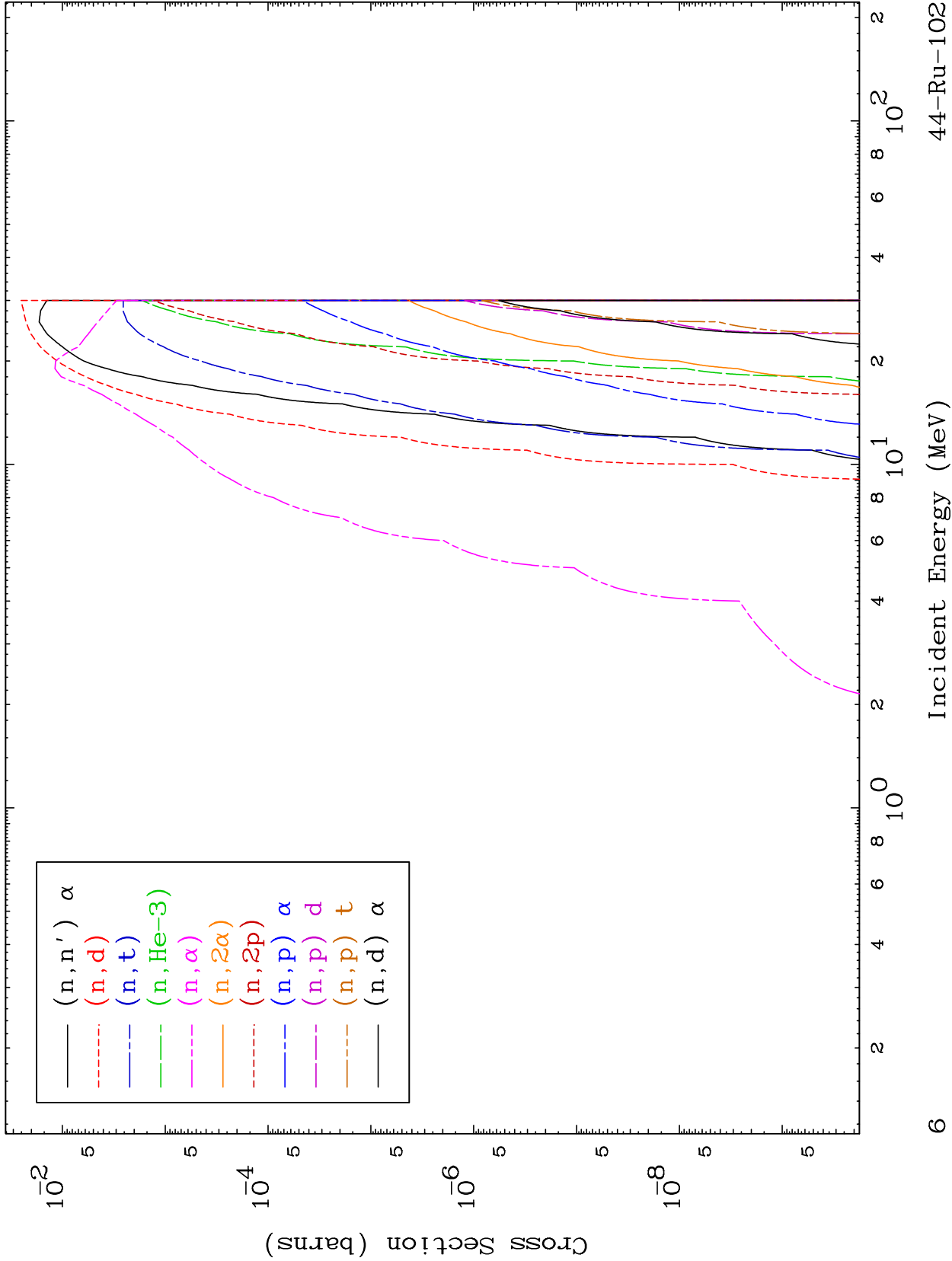
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Proton Neutron Absorption  
0 Kelvin Cross Sections

44-Ru-102





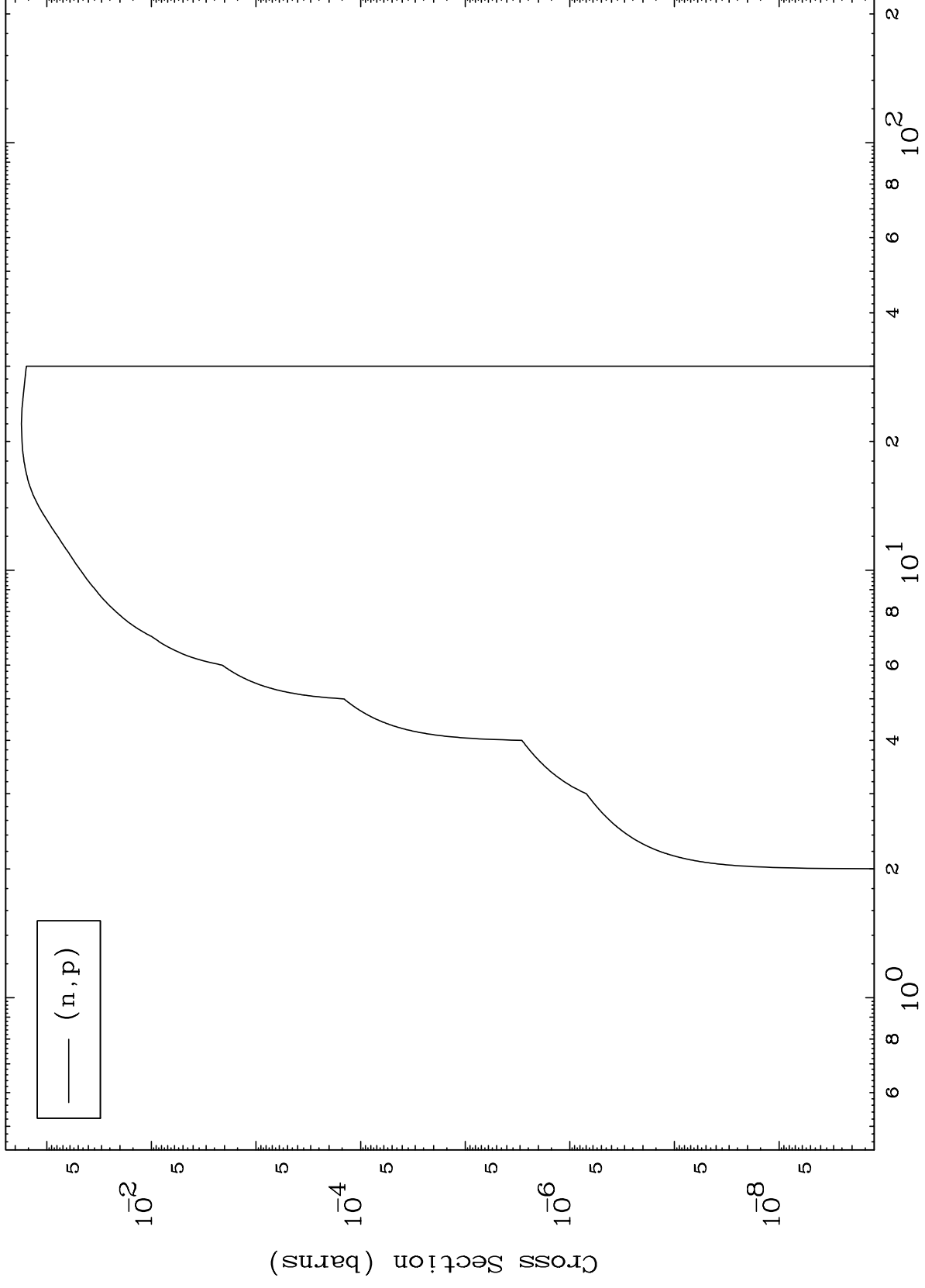


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(p,p) Levels

44-Ru-102

0 Kelvin Cross Sections



(n,p)

Incident Energy (MeV)

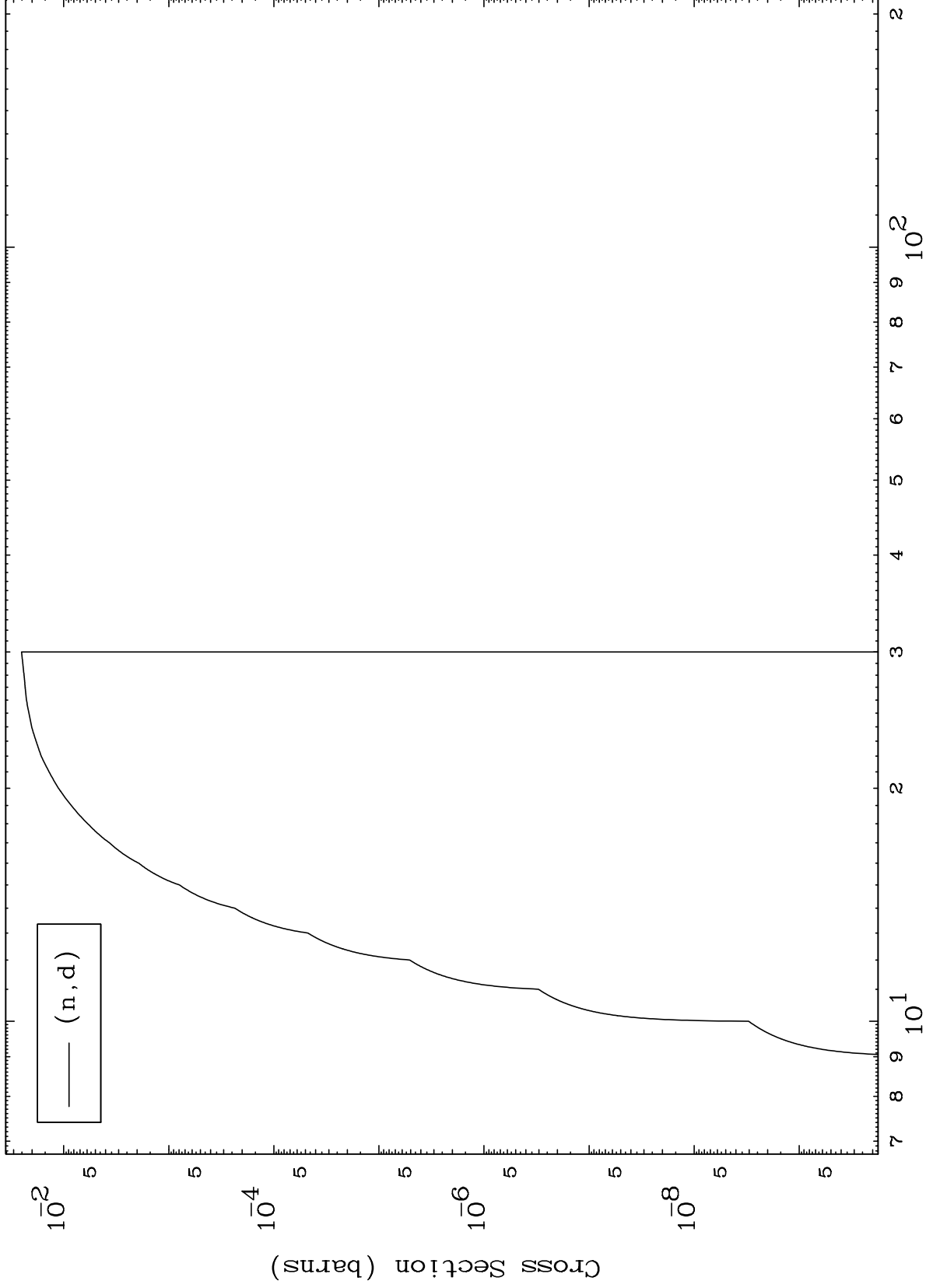
44-Ru-102



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(p,d) Levels  
0 Kelvin Cross Sections

44-Ru-102



8

Incident Energy (MeV)

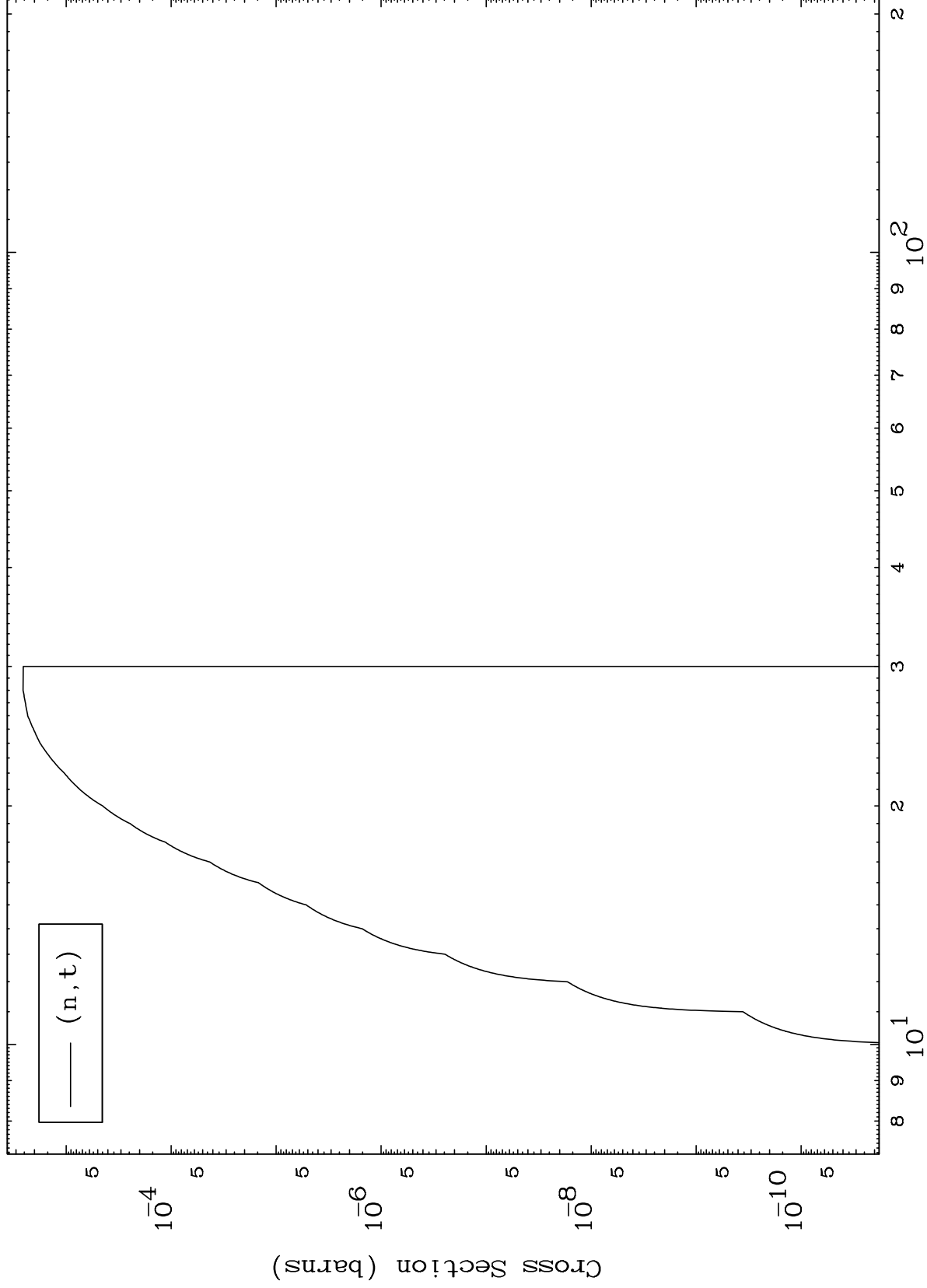
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(p, t) Levels

44-Ru-102

0 Kelvin Cross Sections



9

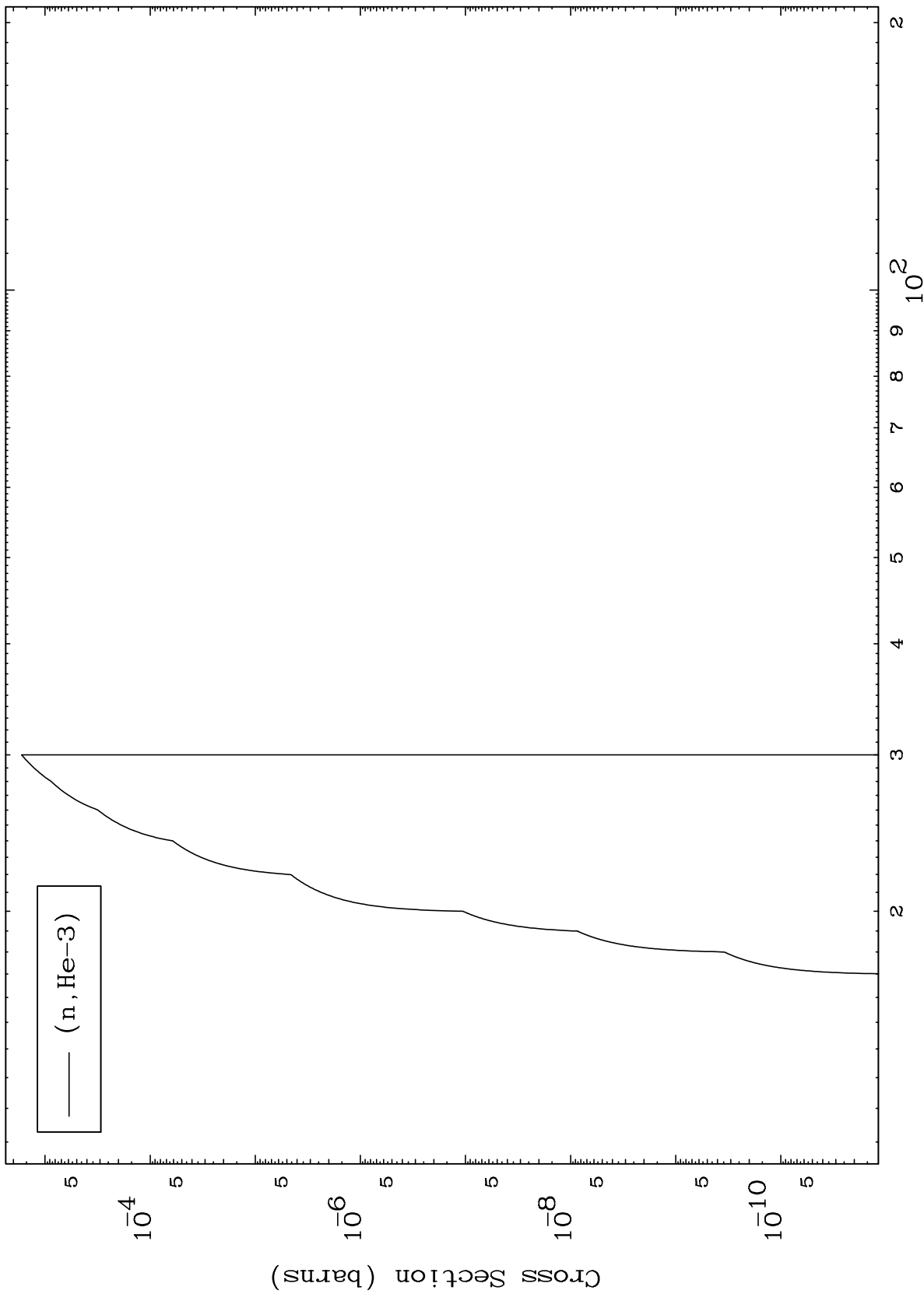
Incident Energy (MeV)

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(p,He3) Levels  
0 Kelvin Cross Sections

44-Ru-102



10

Incident Energy (MeV)

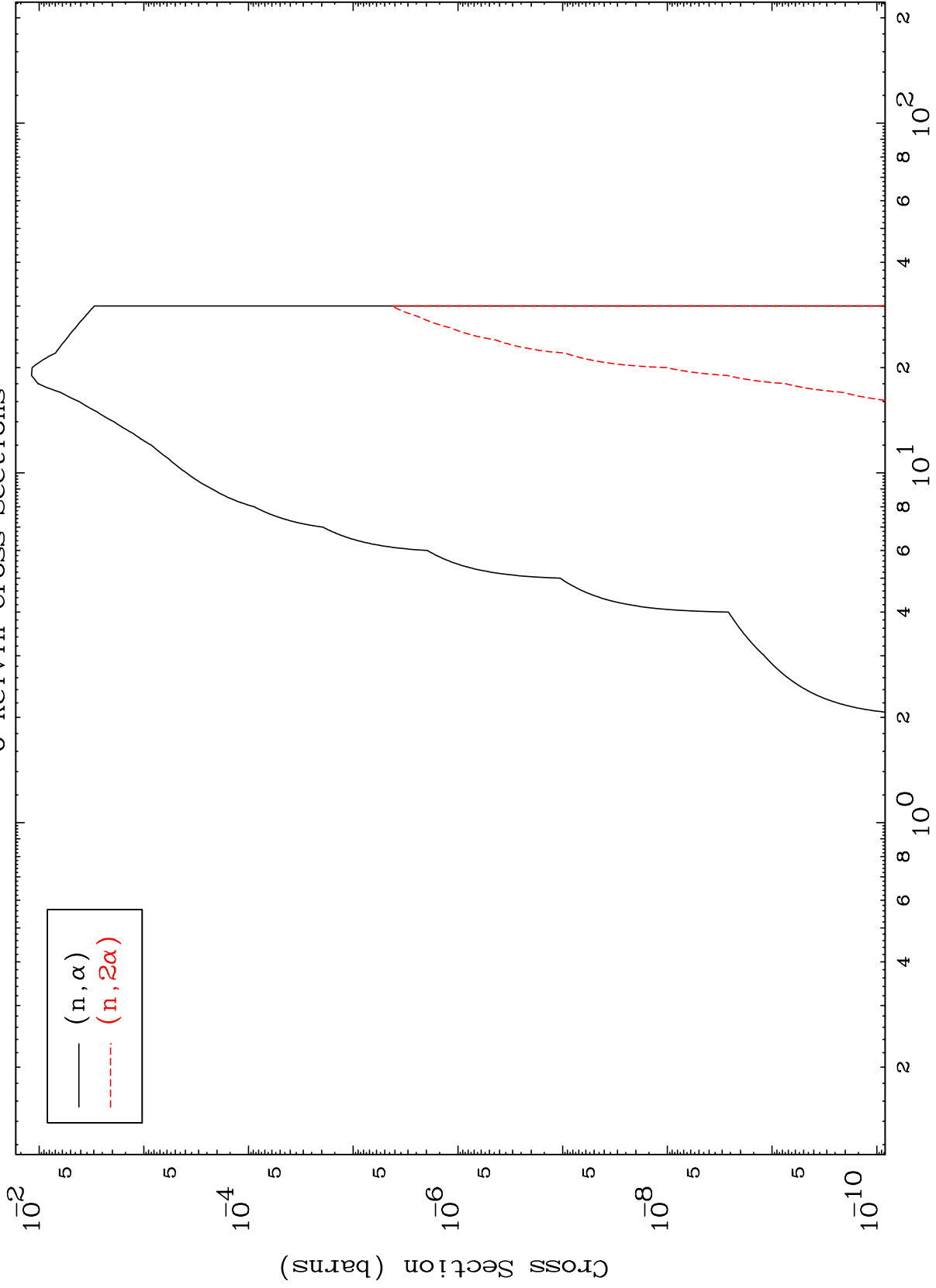
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(p,  $\alpha$ ) Levels

44-Ru-102

0 Kelvin Cross Sections

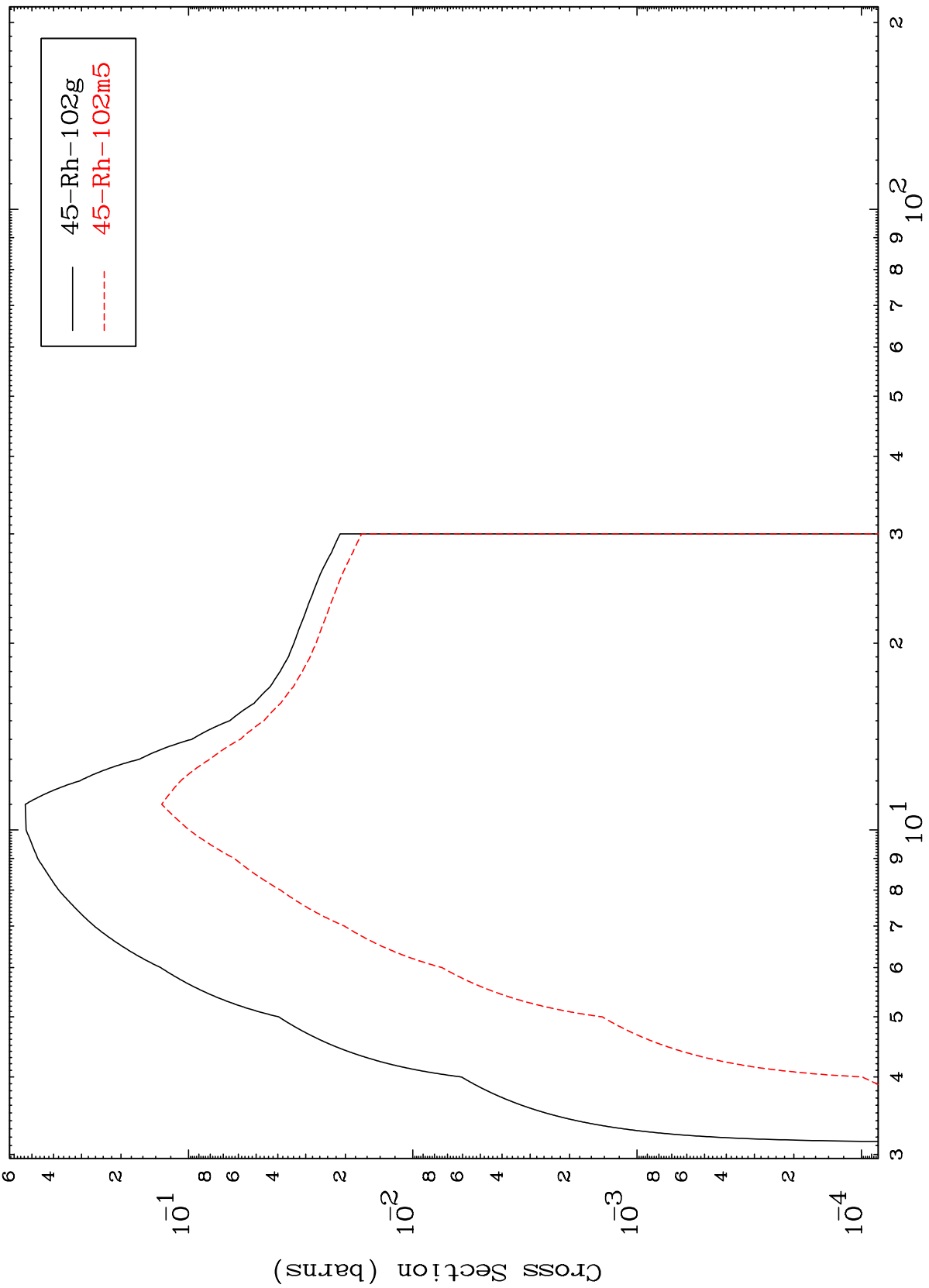


— (n,  $\alpha$ )  
- - - (n,  $2\alpha$ )

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Inelastic  
Radionuclide Production Cross Section



12

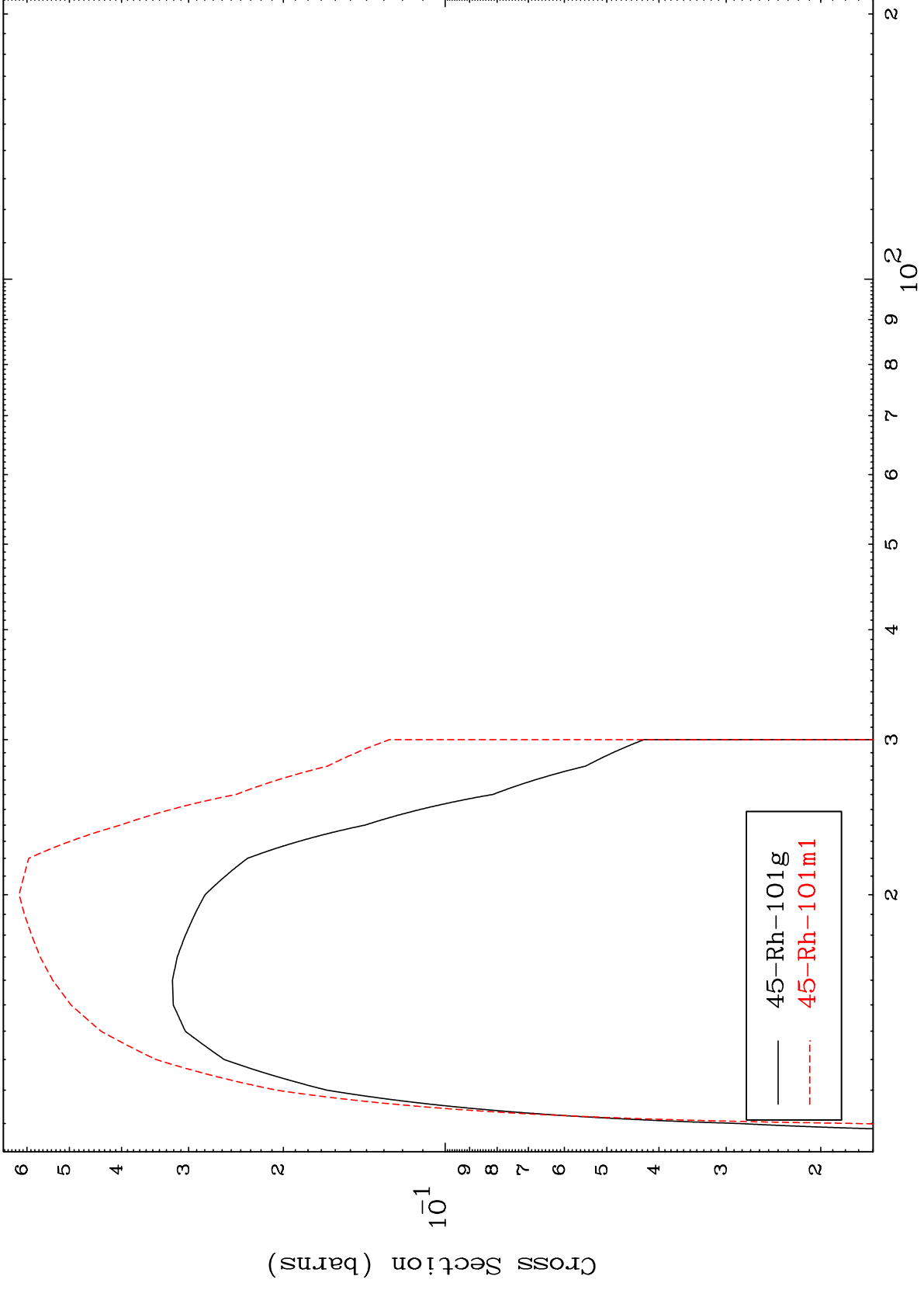
Incident Energy (MeV)

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44-Ru-102

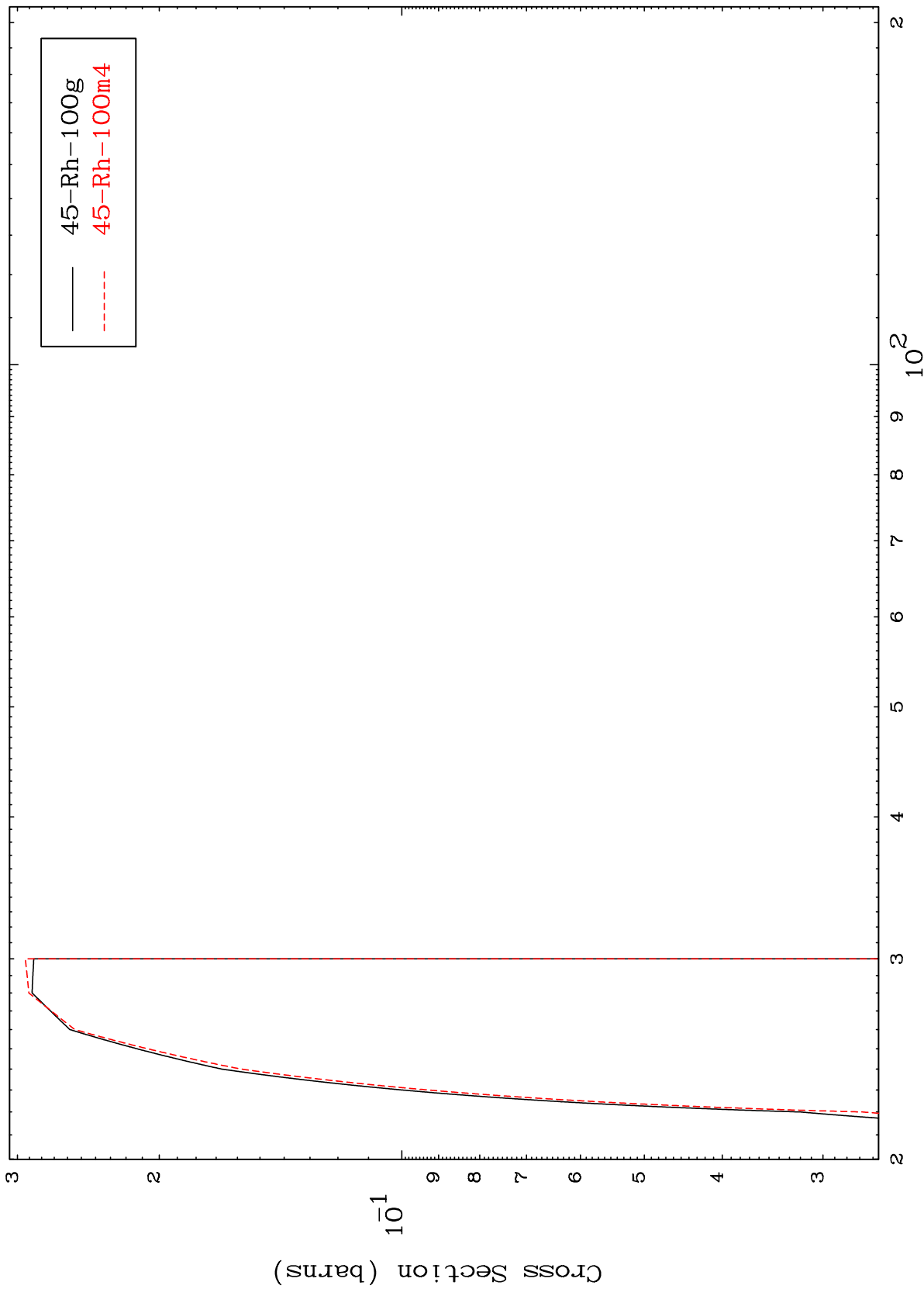
(n,2n)  
Radionuclide Production Cross Section



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(n,3n)  
Radionuclide Production Cross Section



44-Ru-102

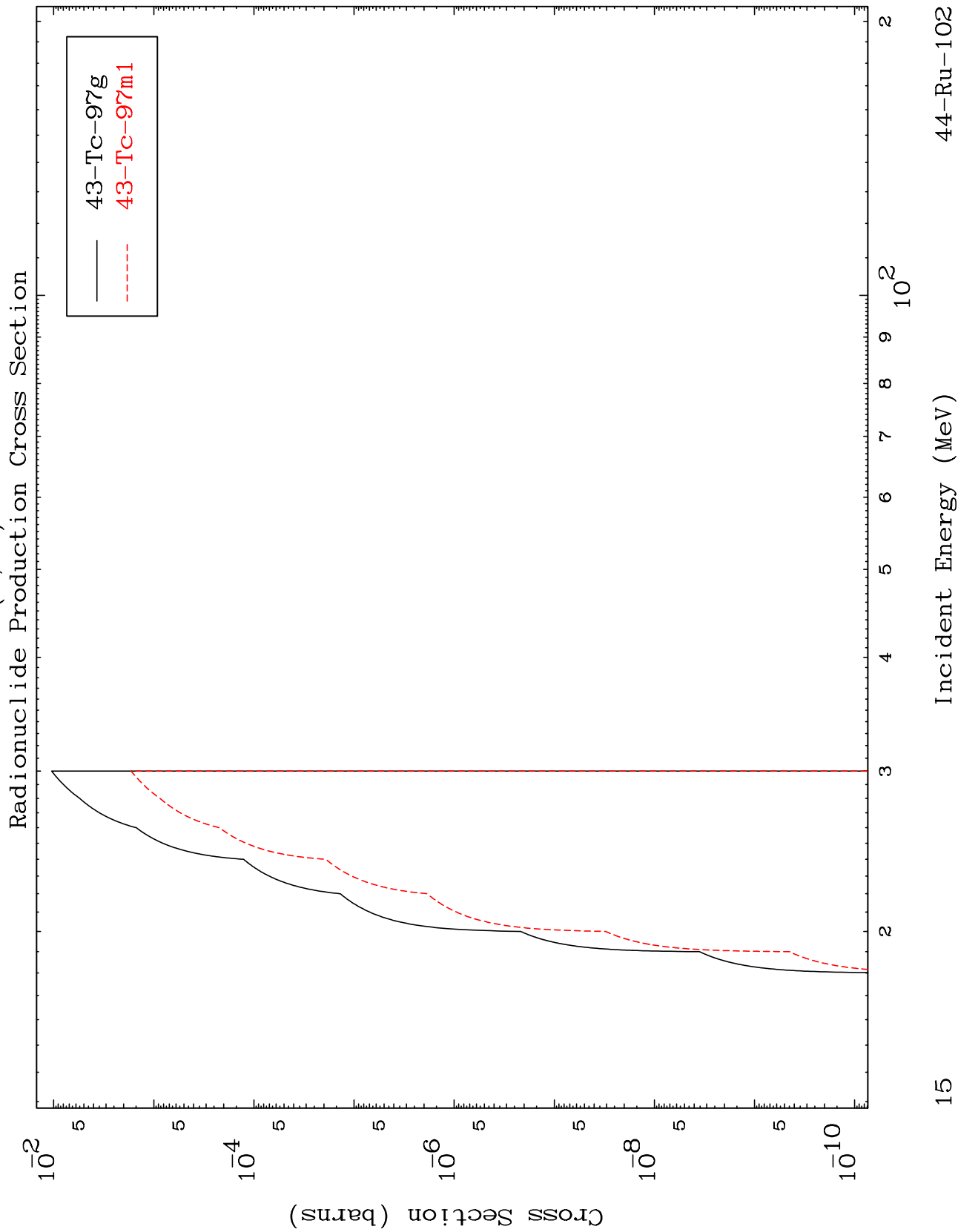
Incident Energy (MeV)

14

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(n,2n)  $\alpha$

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15

Incident Energy (MeV)

44-Ru-102

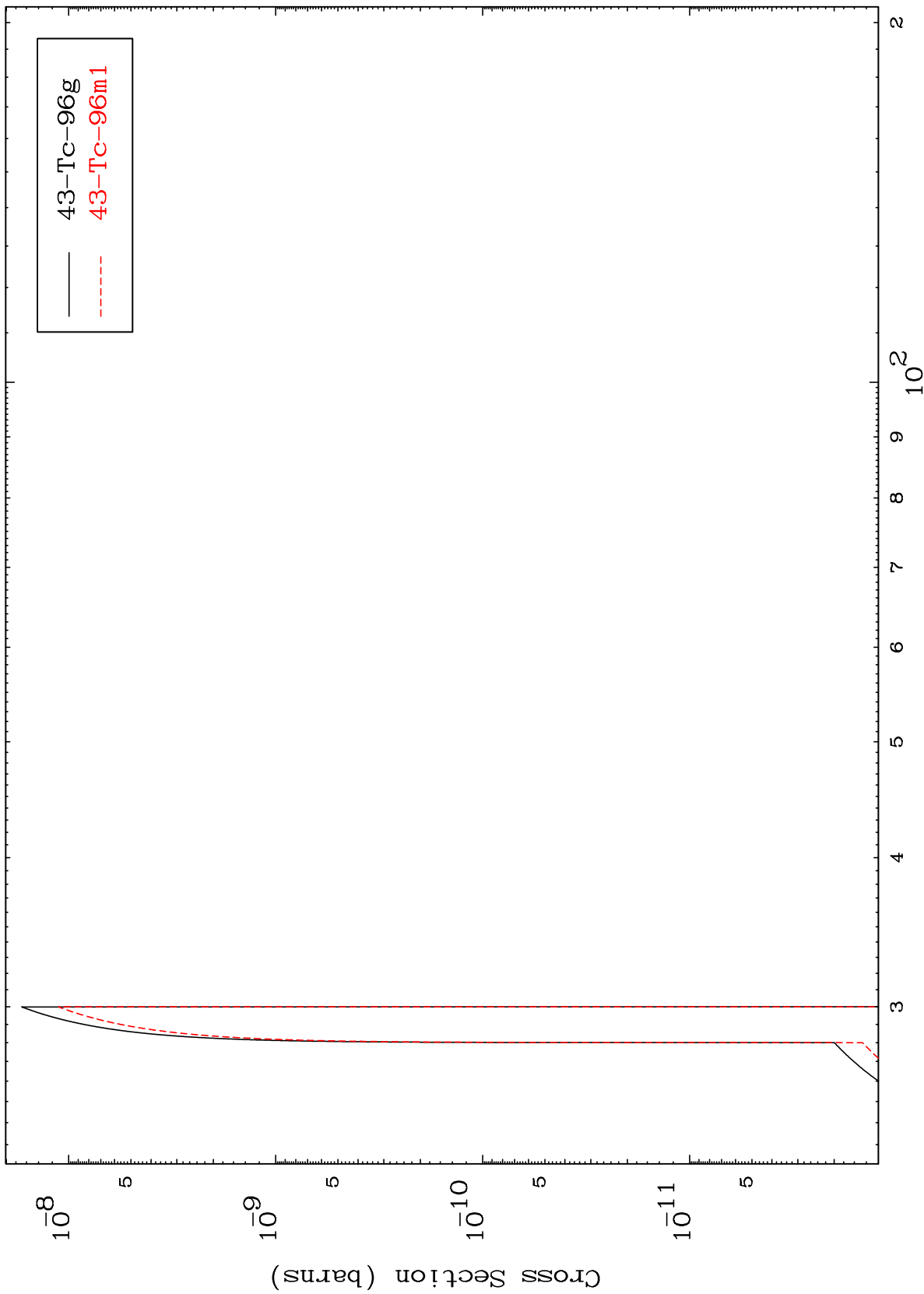


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(n,3n)  $\alpha$

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Radionuclide Production Cross Section

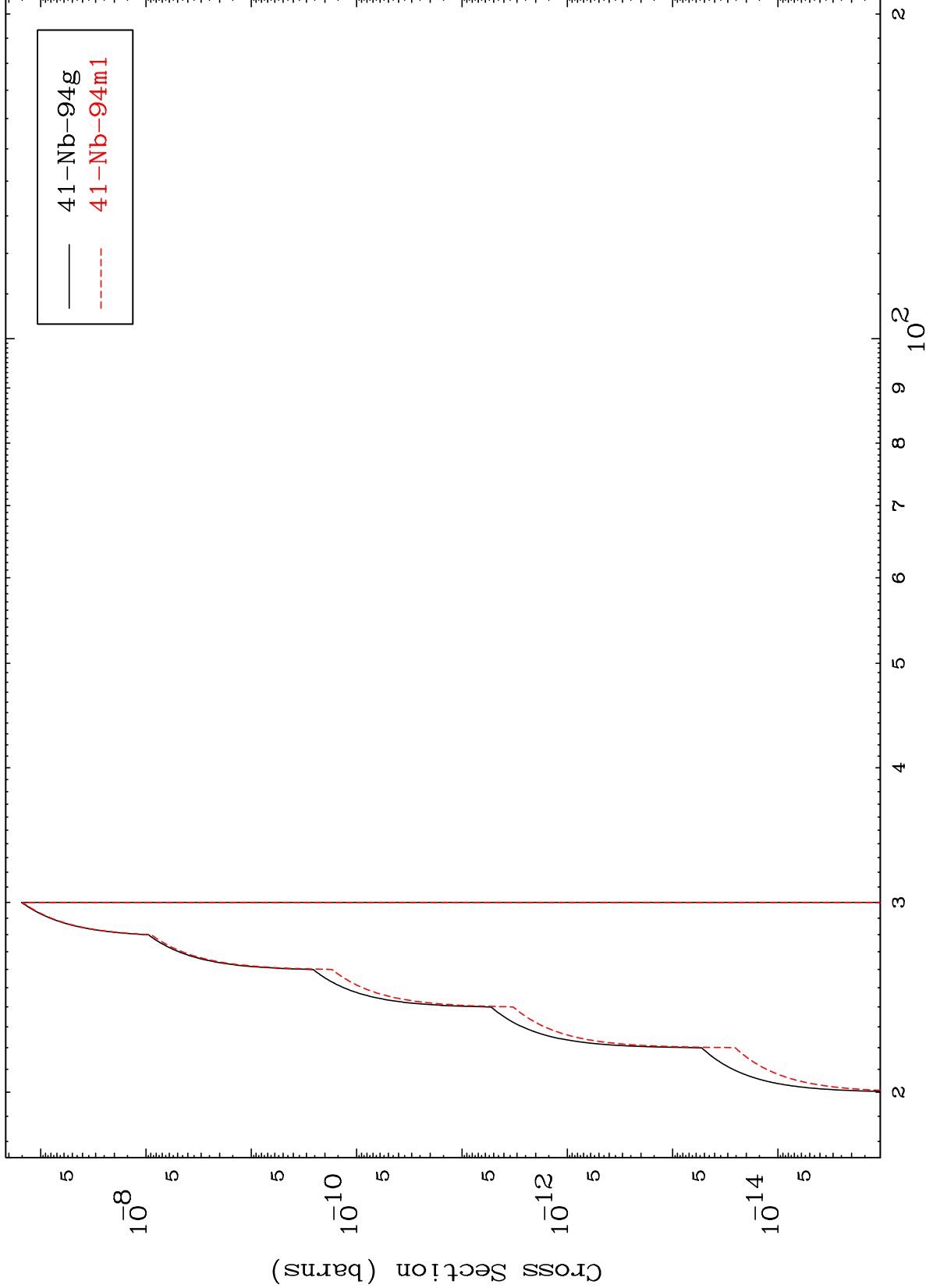


16

Incident Energy (MeV)

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Radionuclide Production Cross Section

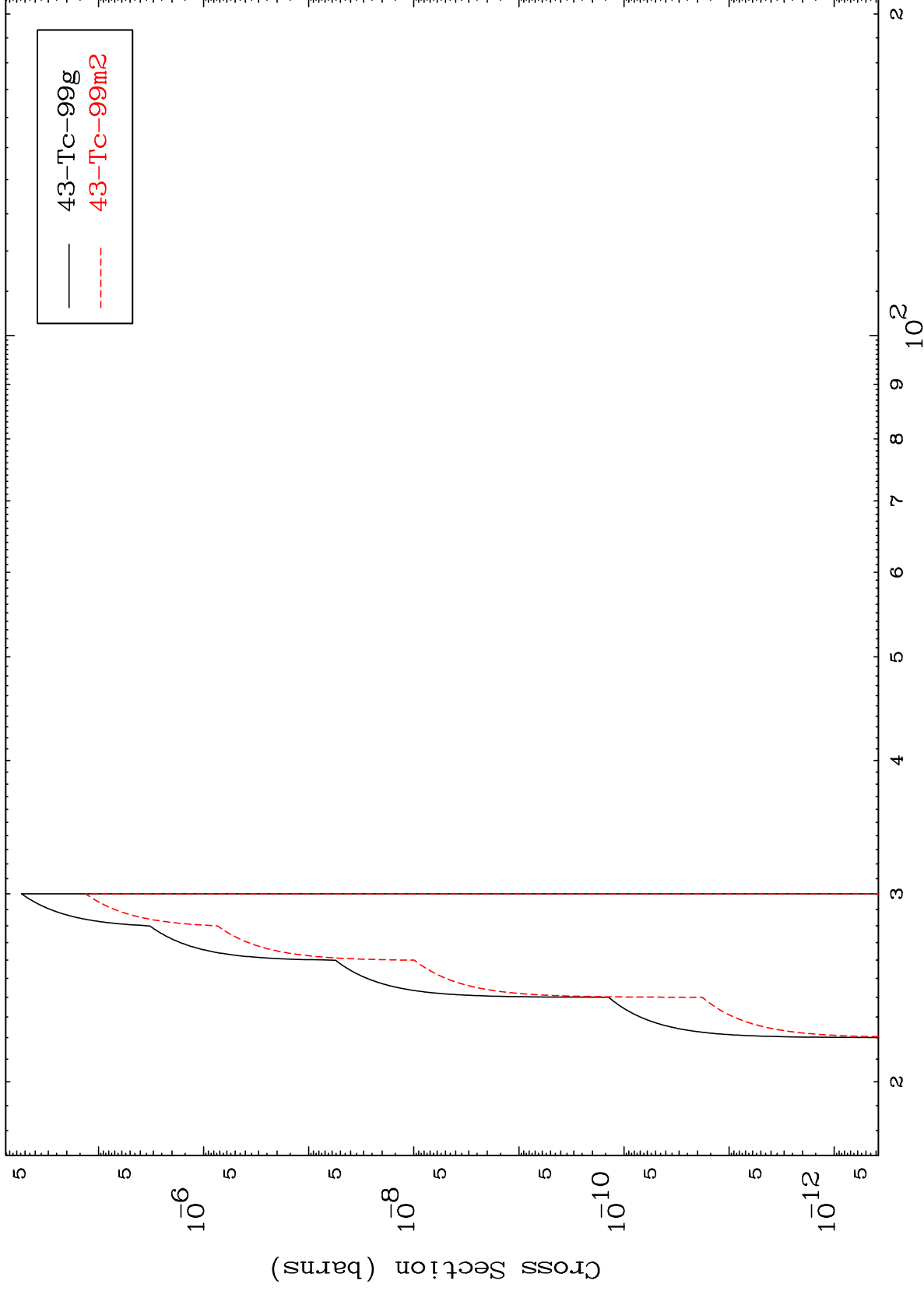


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(n,n') He-3

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Radionuclide Production Cross Section



18

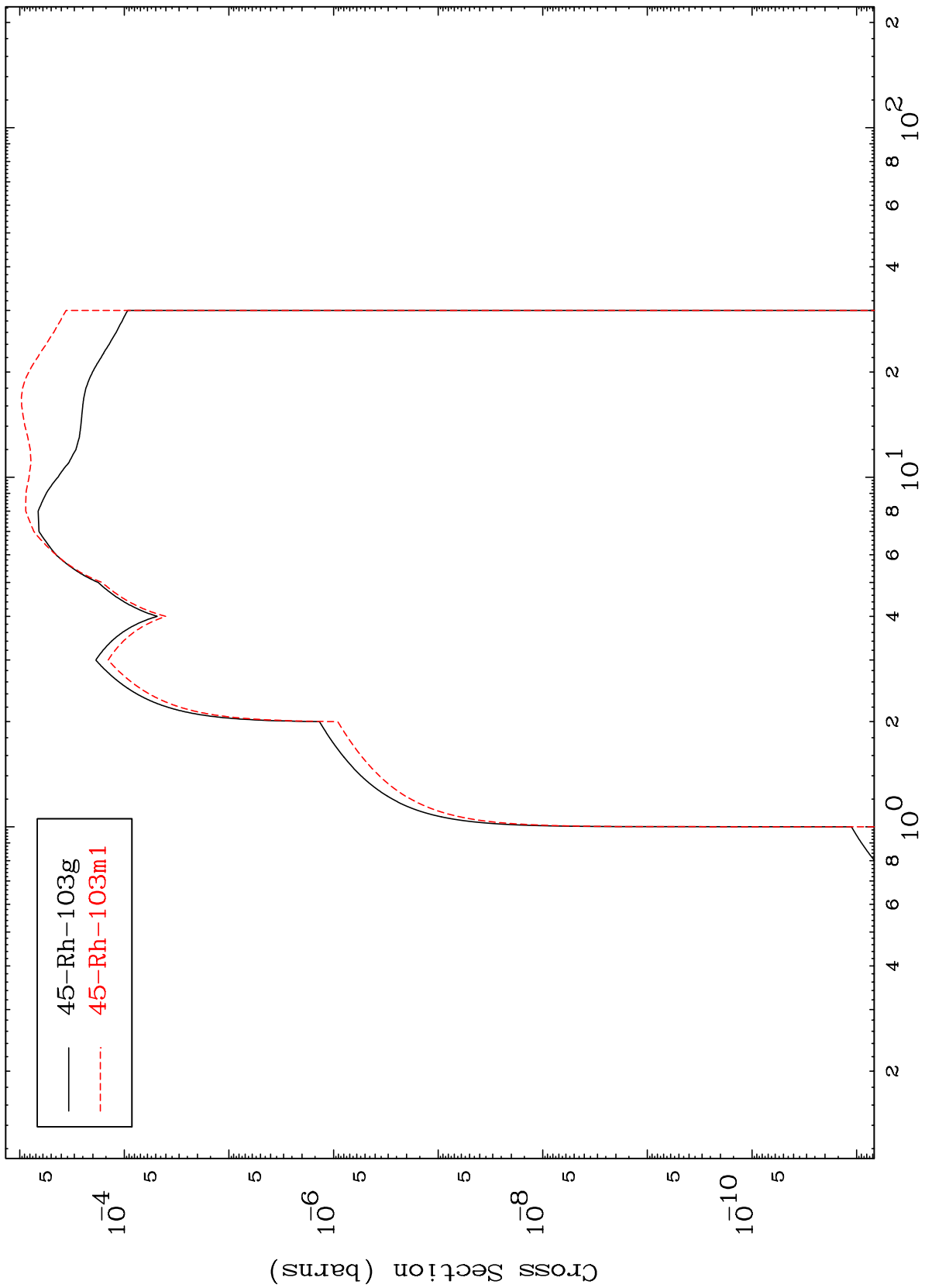
Incident Energy (MeV)

44-Ru-102

MAT 4443

44-Ru-102

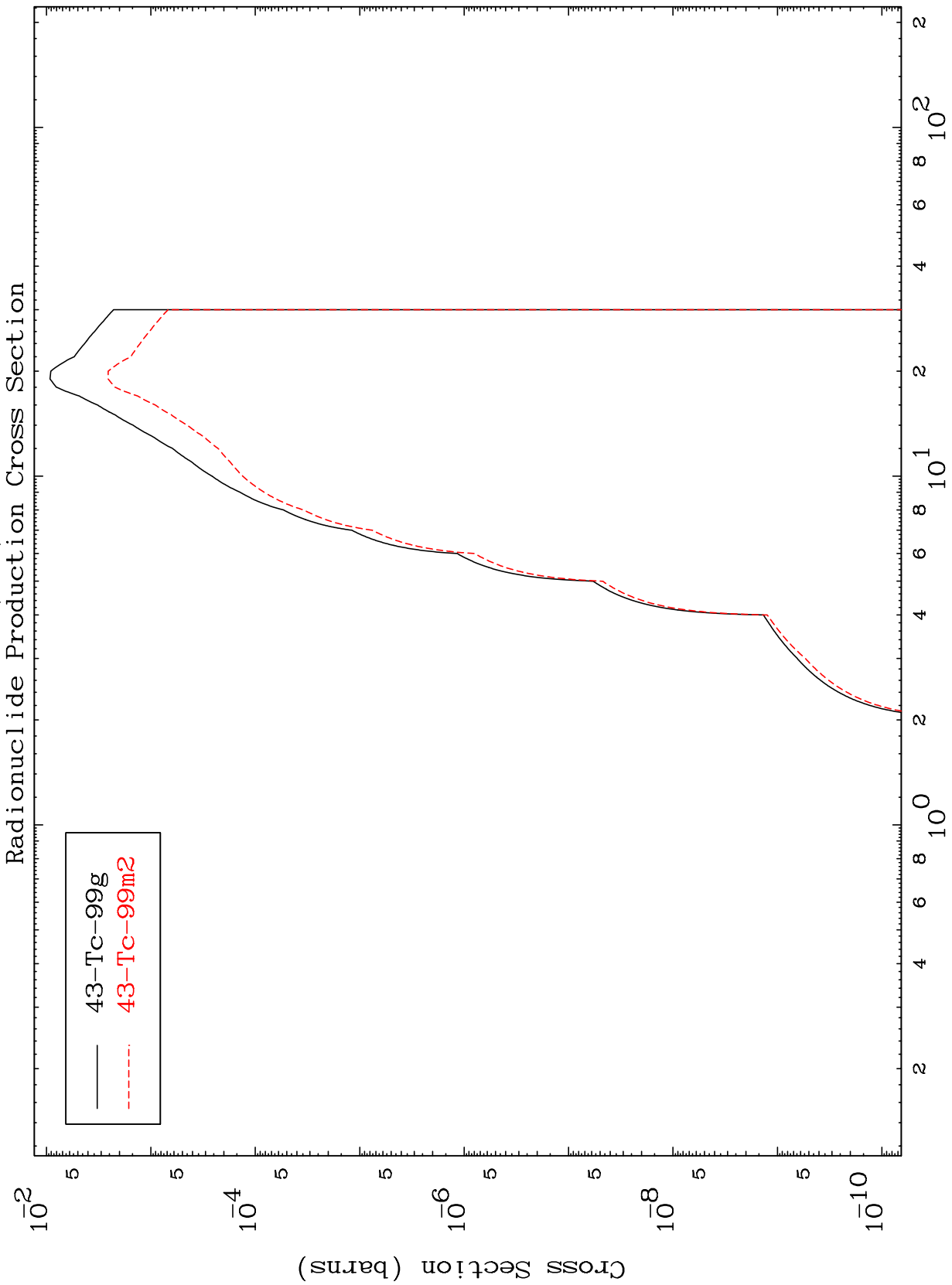
(n,  $\gamma$ )  
Radionuclide Production Cross Section



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



20

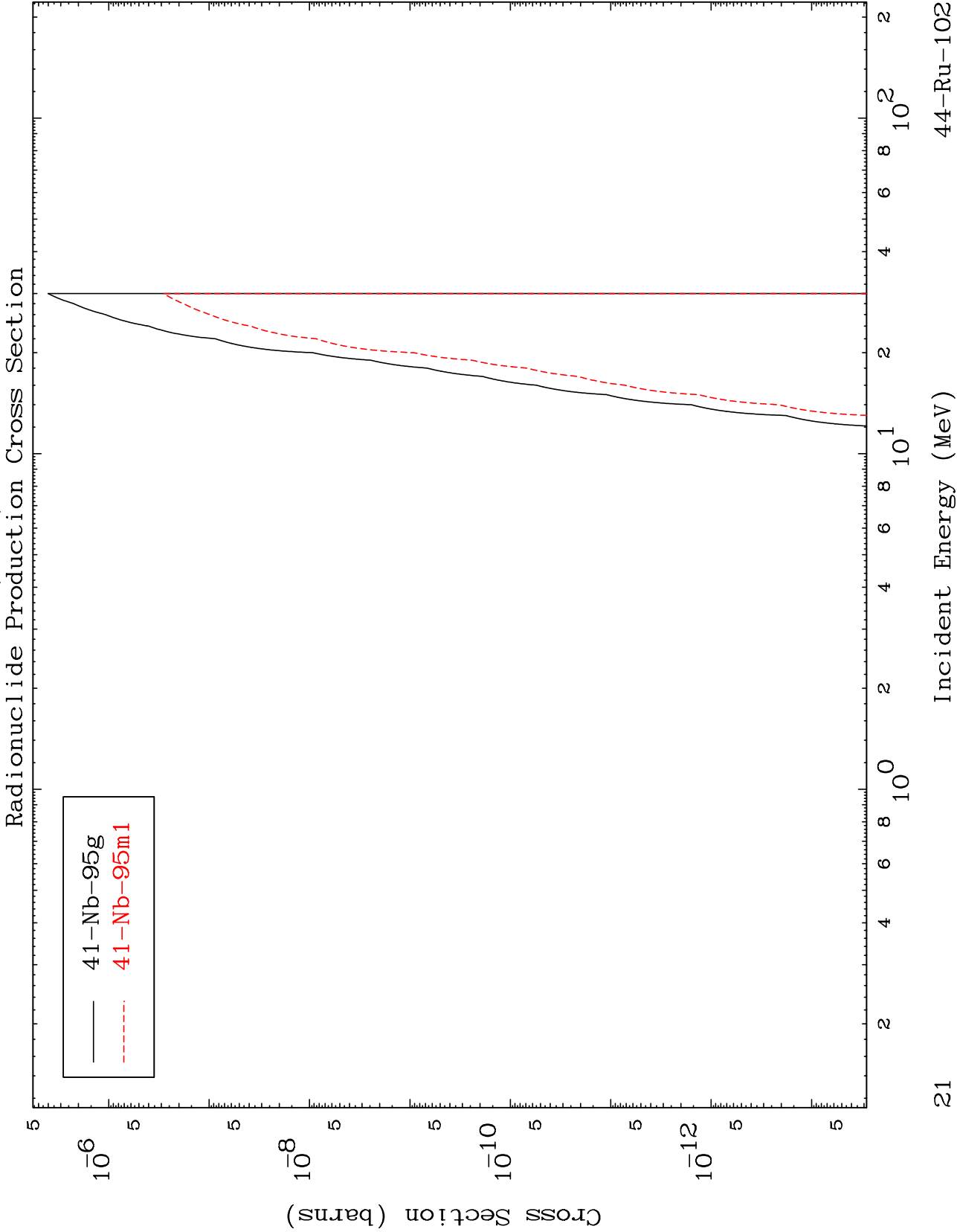
Incident Energy (MeV)

44-Ru-102

MAT 4443

(n,2α)

44-Ru-102

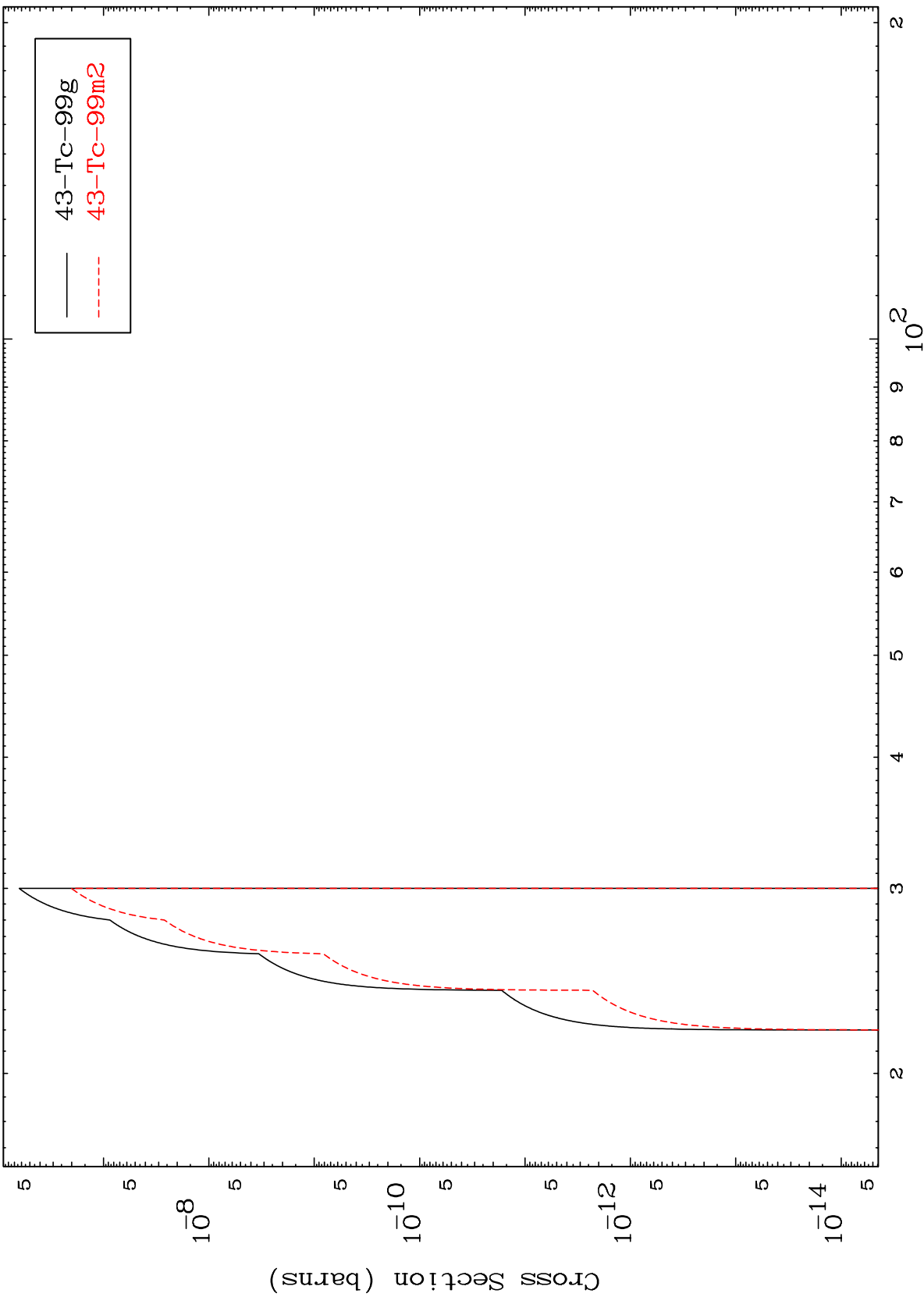


MAT 4443

(n,p) t

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Radionuclide Production Cross Section



22

Incident Energy (MeV)

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