

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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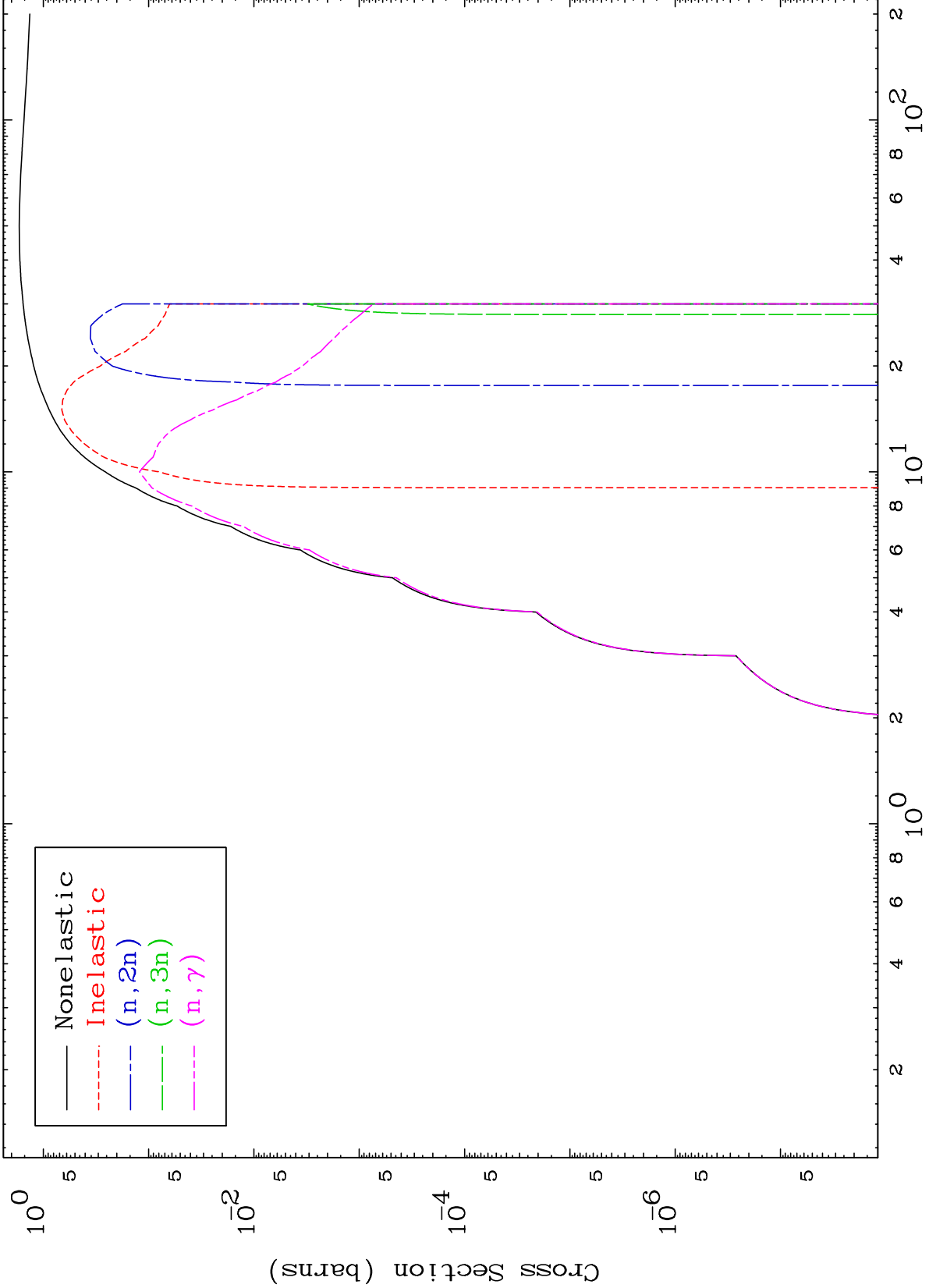
Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

0 Kelvin Cross Sections

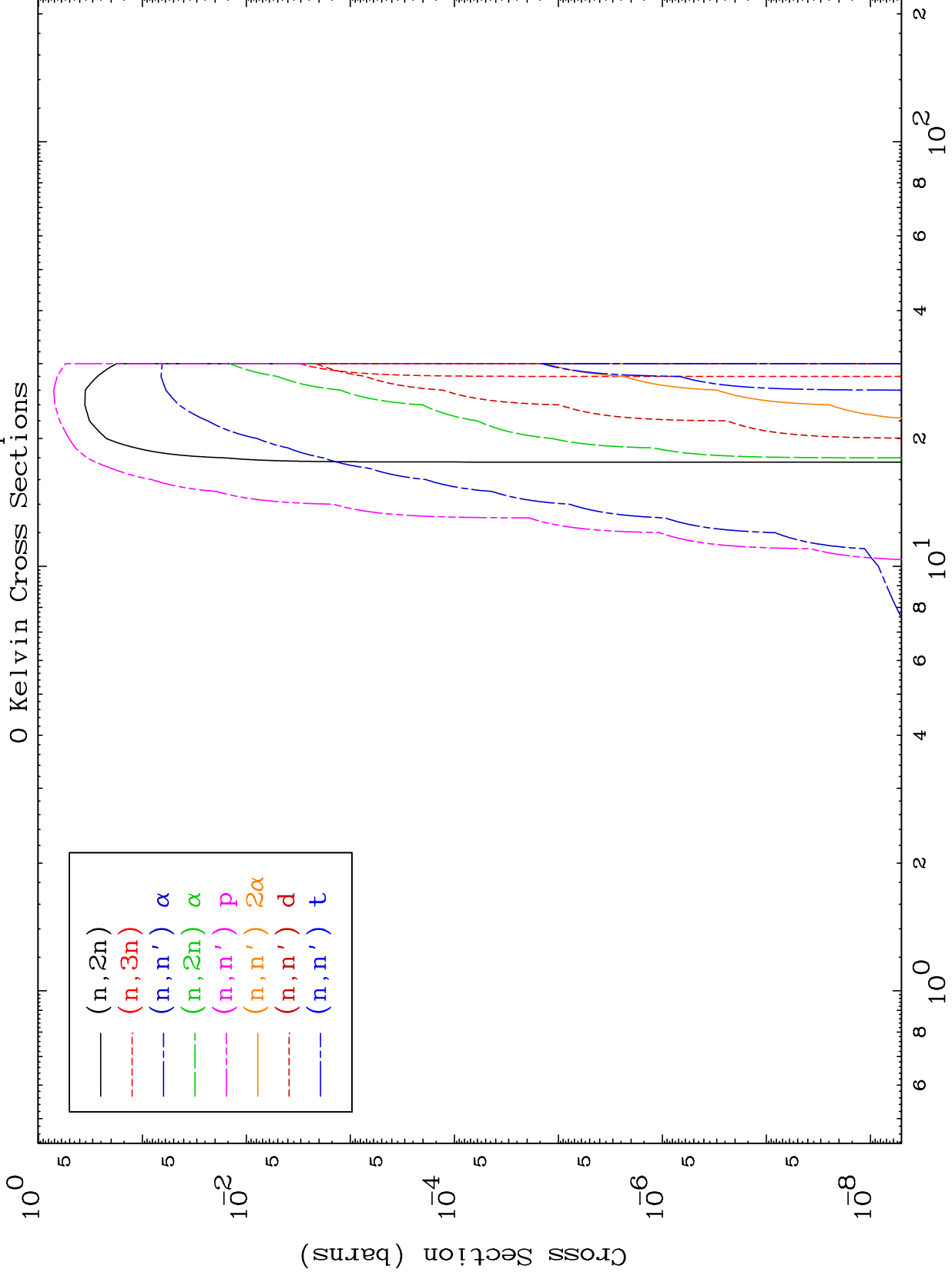


Legend:  
— Nonelastic  
- - - Inelastic  
- - - (n, 2n)  
- - - (n, 3n)  
- - - (n, γ)

MAT 6801

Proton Neutron Absorption  
0 Kelvin Cross Sections

68-Er-154



2

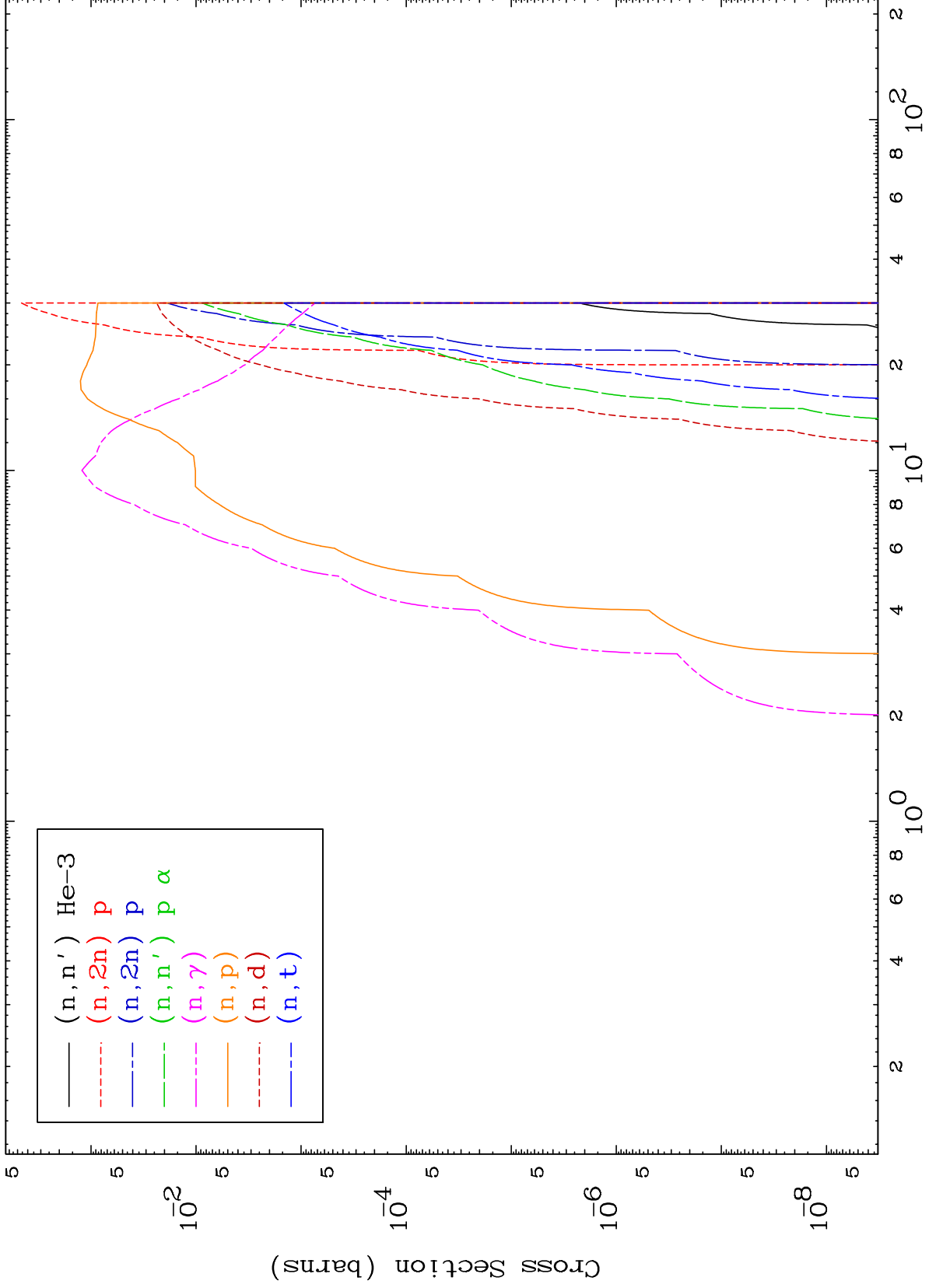
Incident Energy (MeV)

68-Er-154

MAT 6801

Proton Neutron Absorption  
0 Kelvin Cross Sections

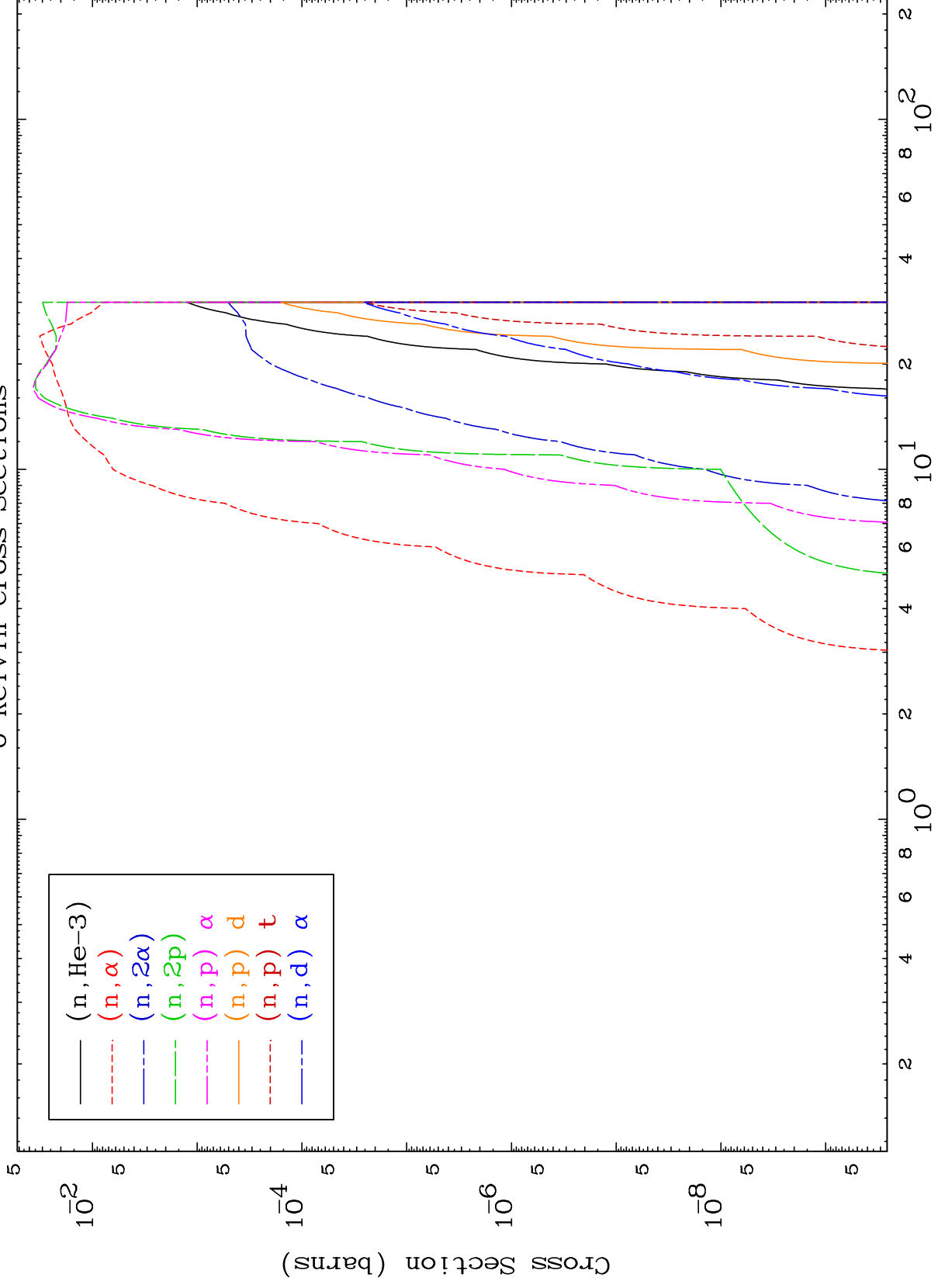
68-Er-154

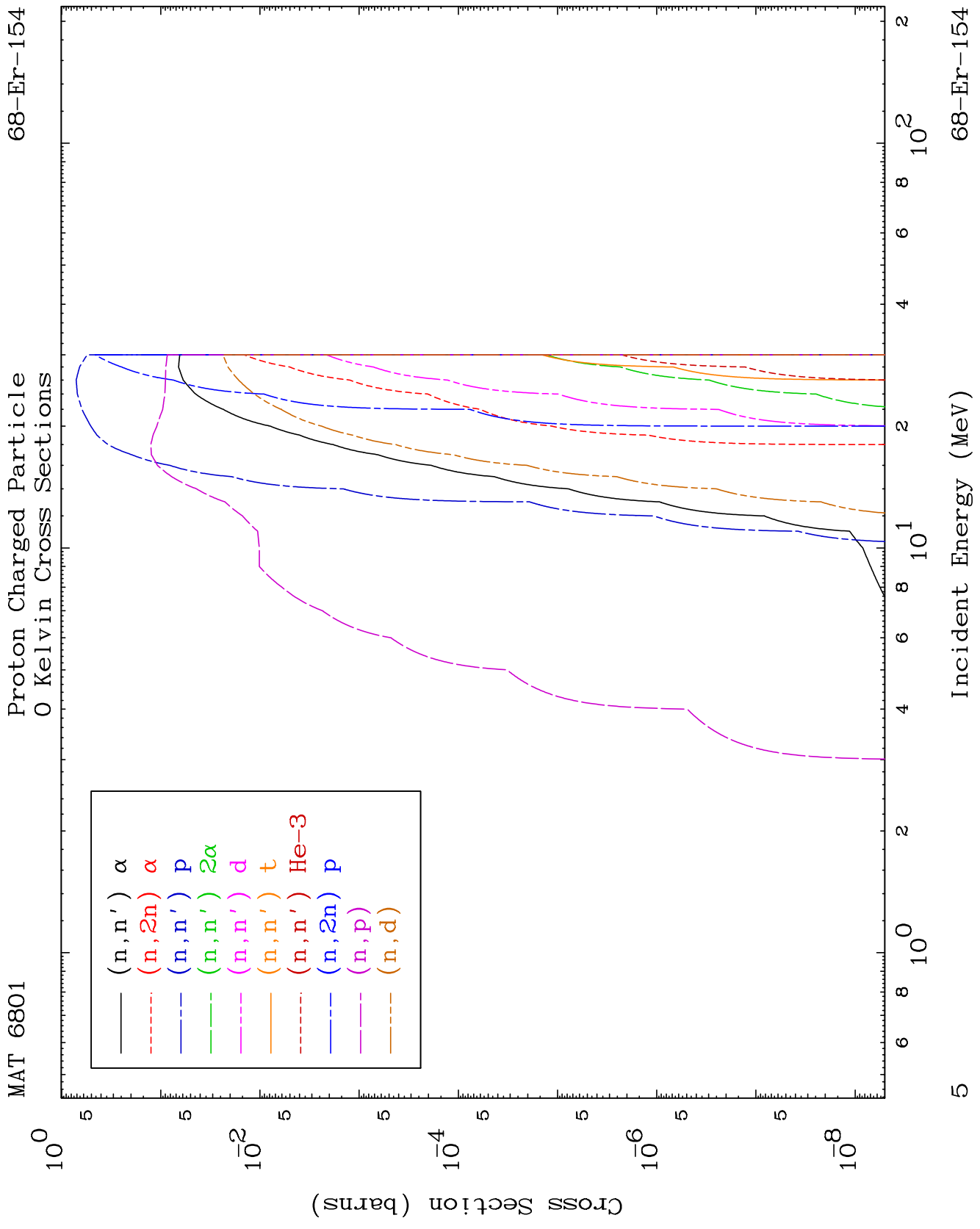


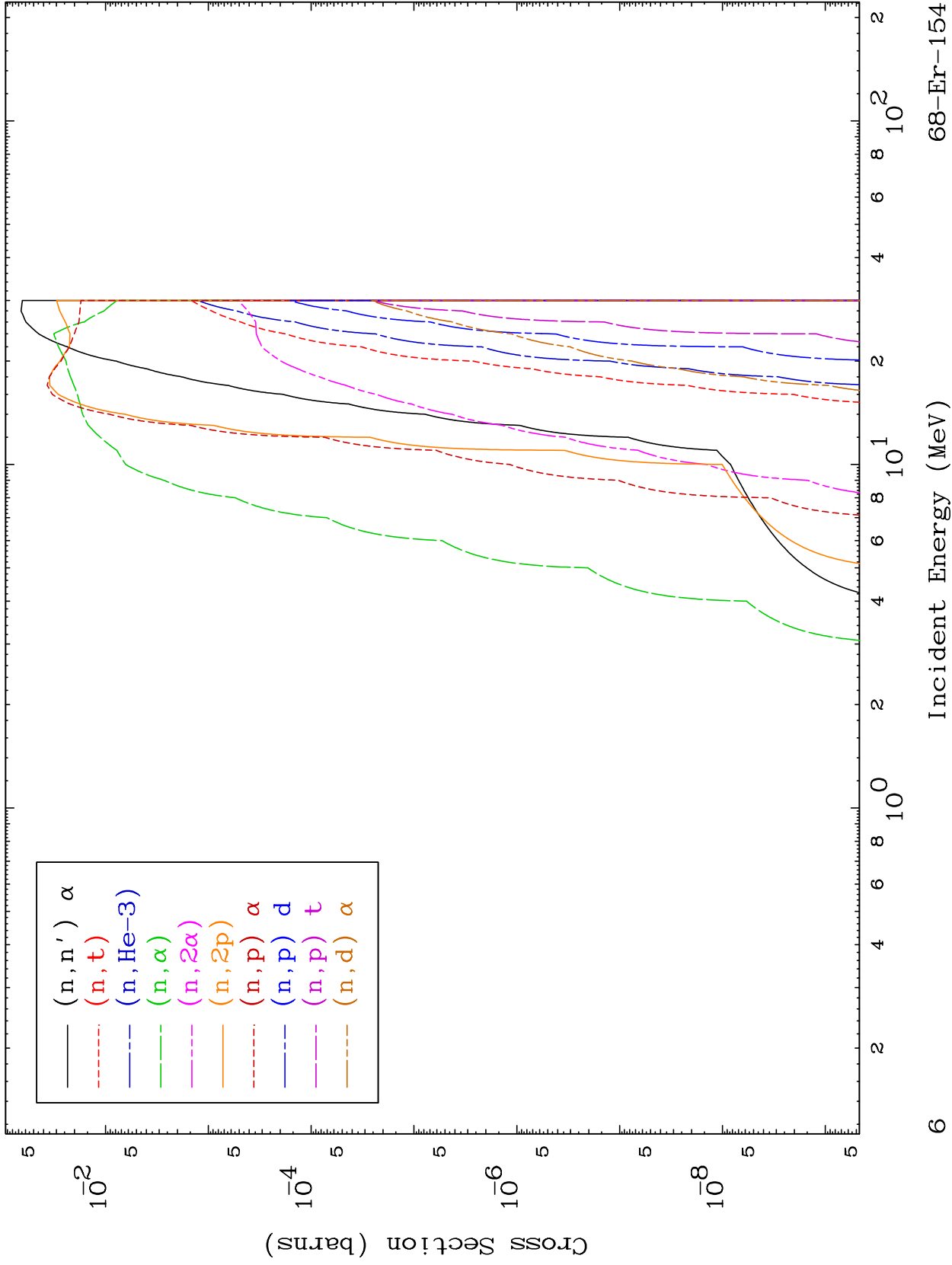
MAT 6801

Proton Neutron Absorption  
0 Kelvin Cross Sections

68-Er-154



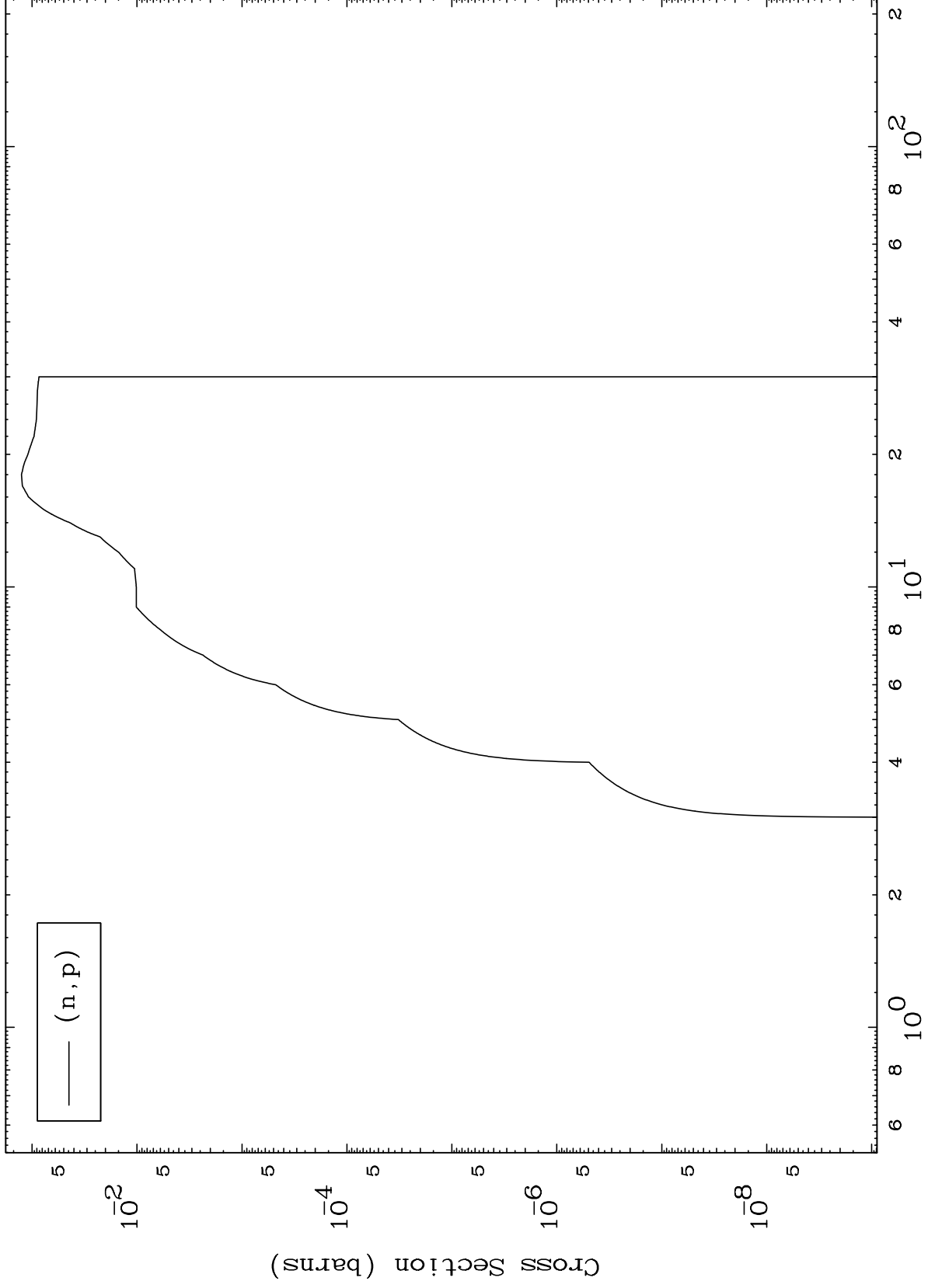




MAT 6801

68-Er-154

(p,p) Levels  
0 Kelvin Cross Sections



7

Incident Energy (MeV)

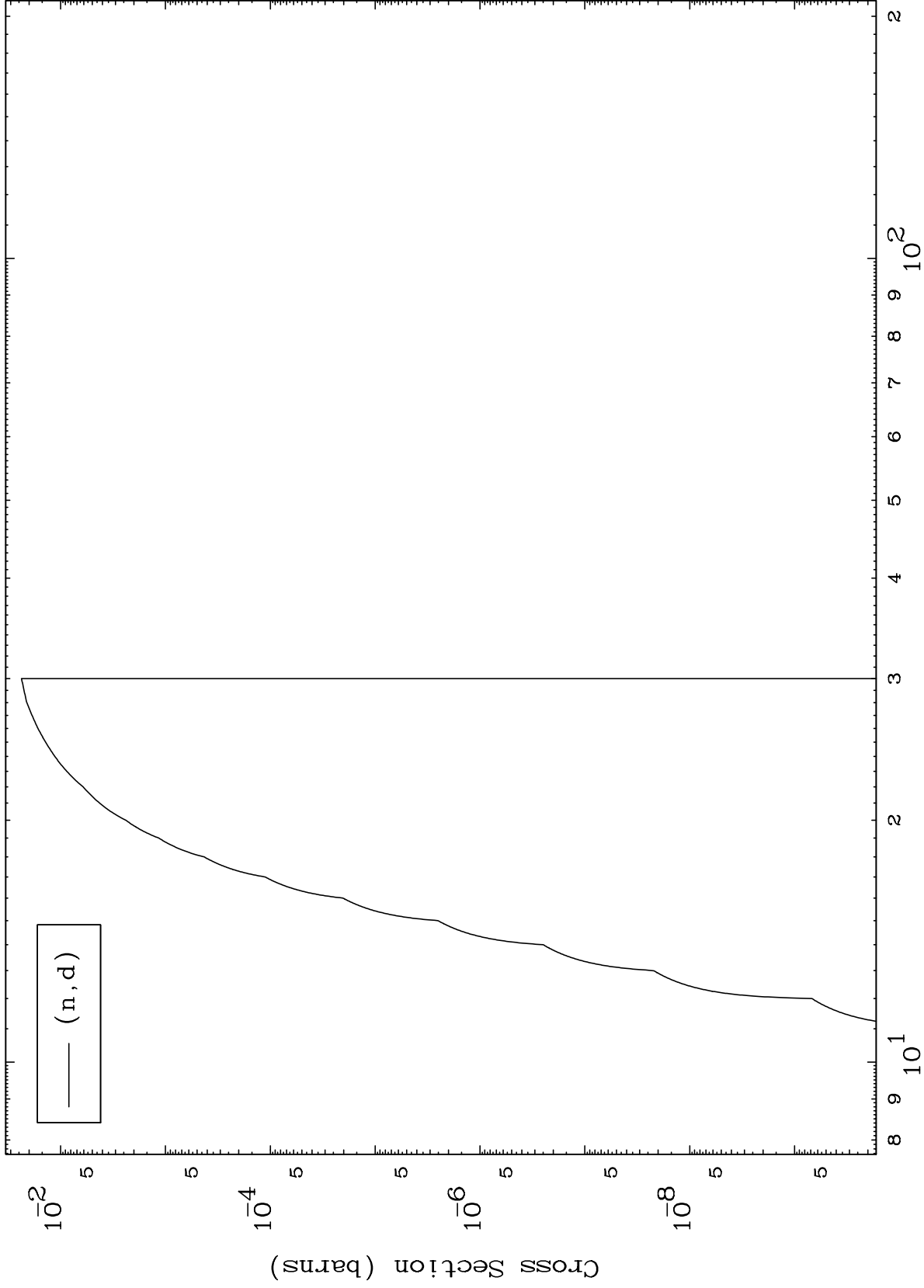
68-Er-154



MAT 6801

(p,d) Levels  
0 Kelvin Cross Sections

68-Er-154



8

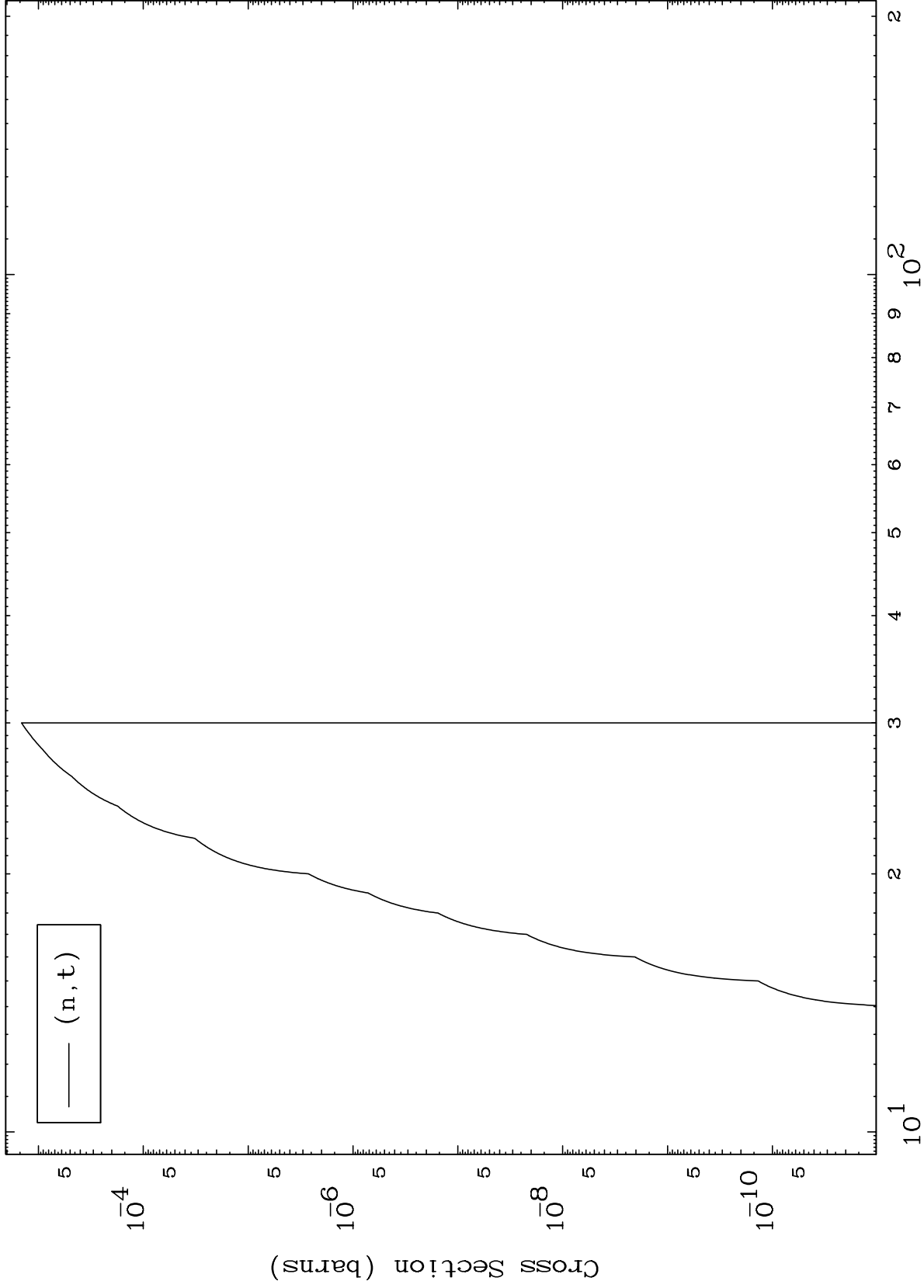
Incident Energy (MeV)

68-Er-154

MAT 6801

(p,t) Levels  
0 Kelvin Cross Sections

68-Er-154



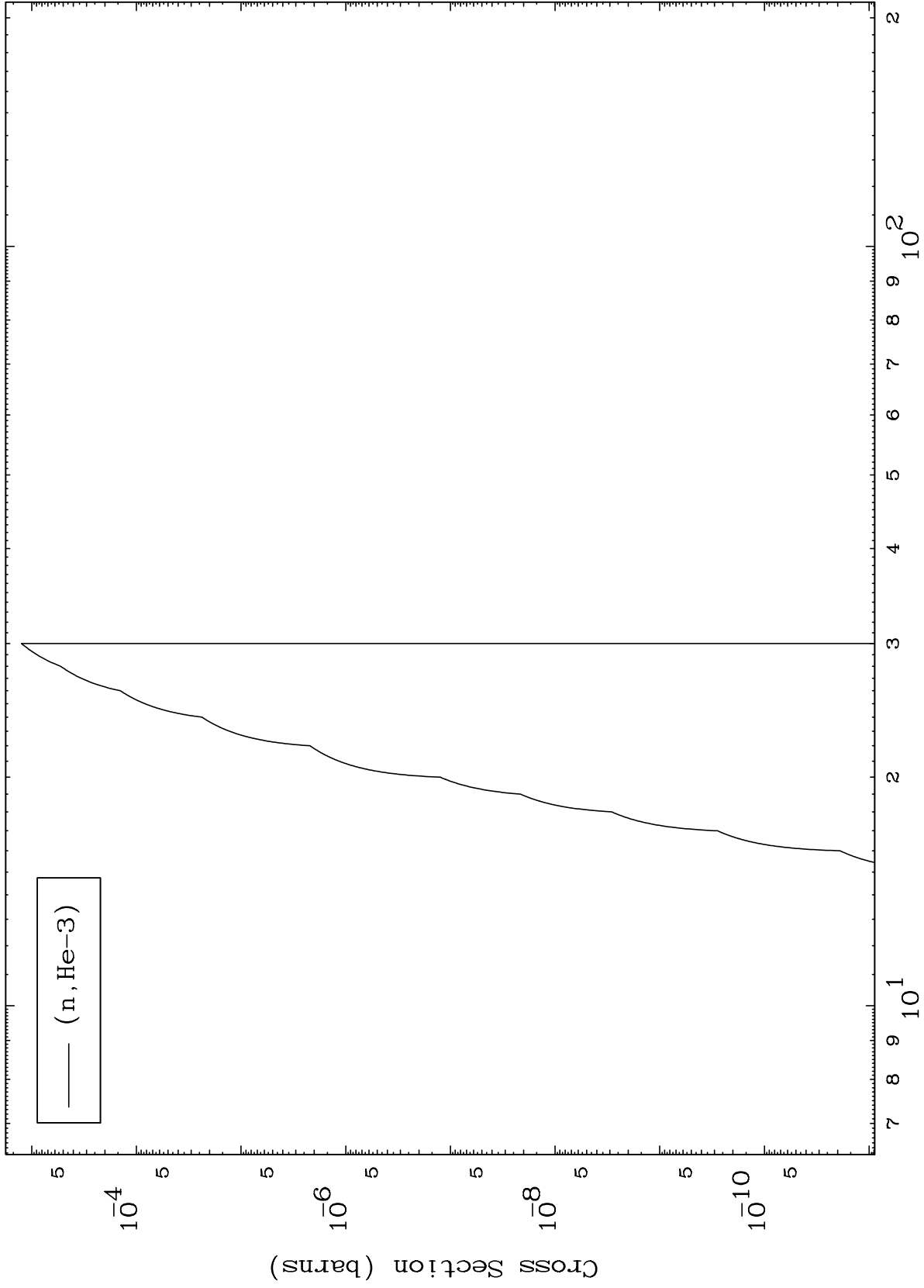
Incident Energy (MeV)

68-Er-154

MAT 6801

(p,He3) Levels  
0 Kelvin Cross Sections

68-Er-154



10

Incident Energy (MeV)

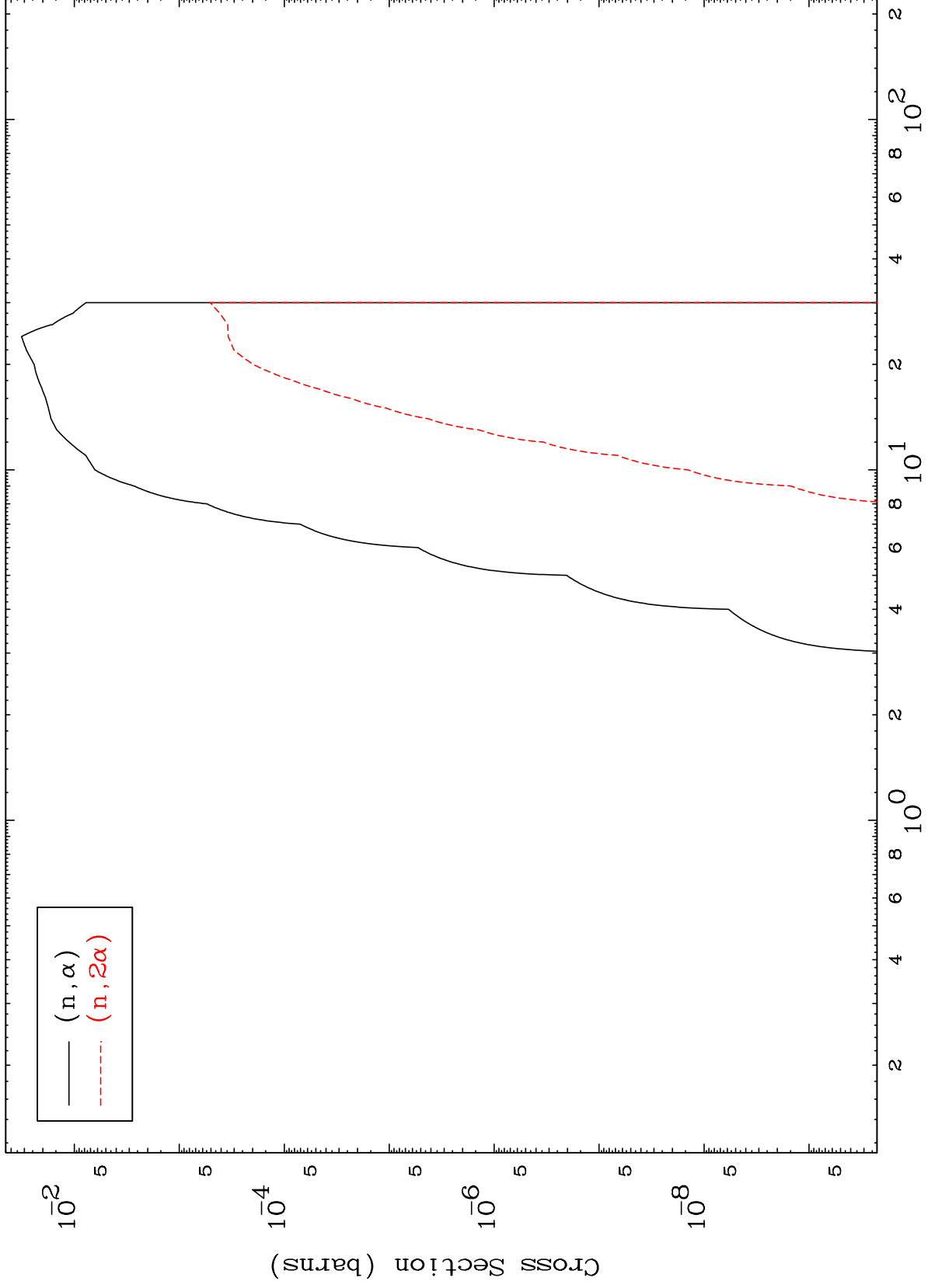
68-Er-154

MAT 6801

(p,  $\alpha$ ) Levels

68-Er-154

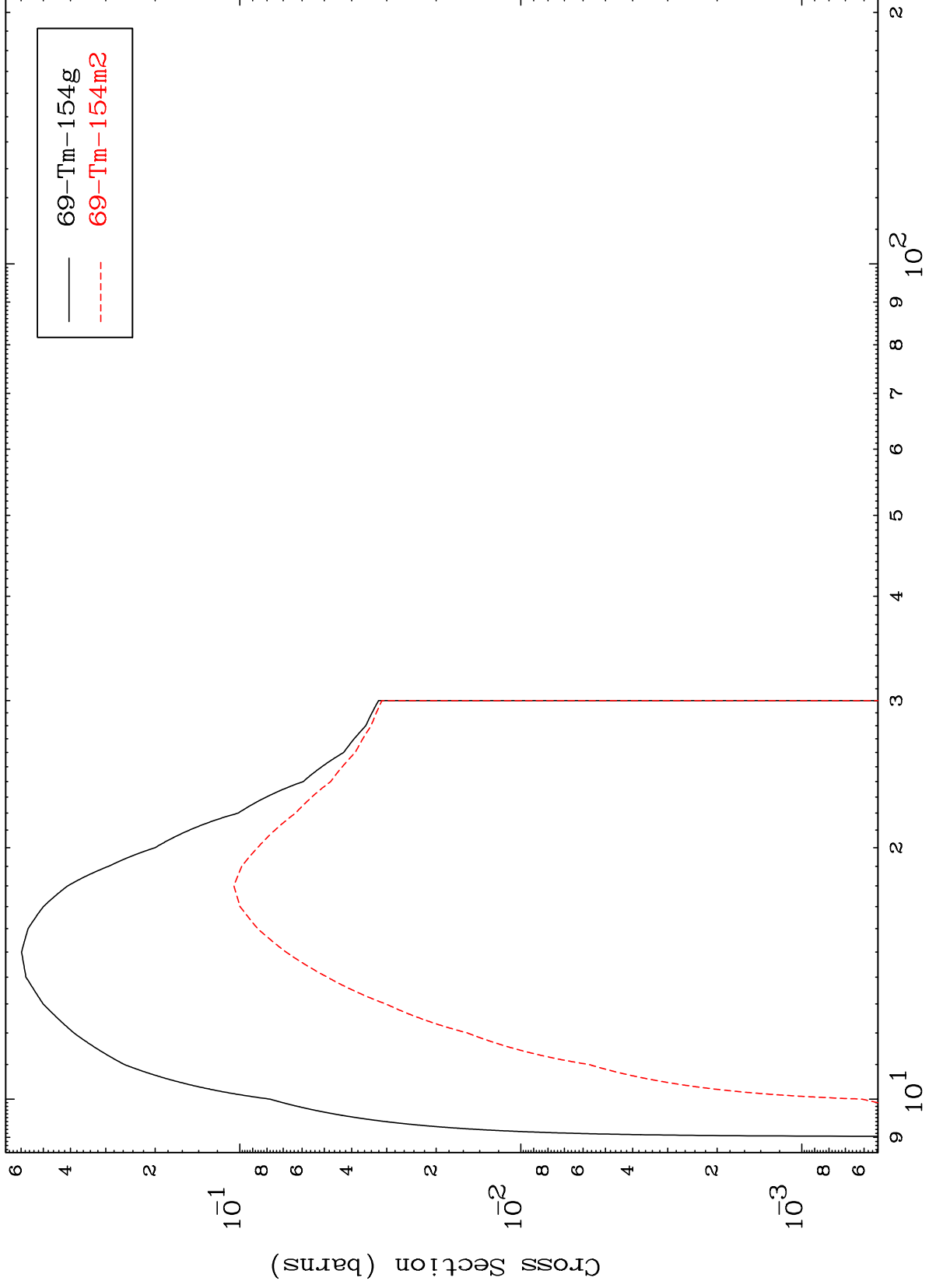
0 Kelvin Cross Sections



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68-Er-154

Inelastic  
Radionuclide Production Cross Section

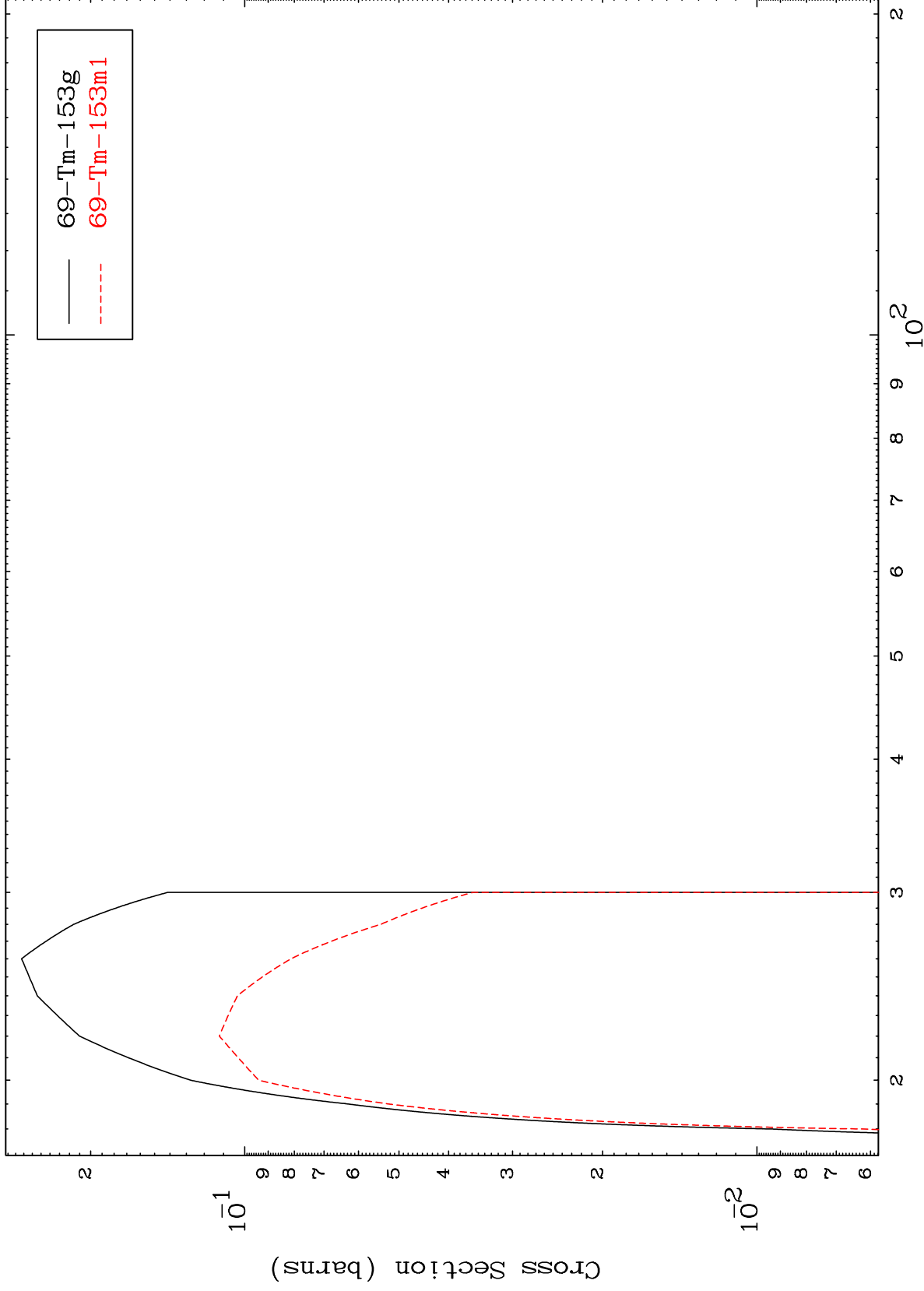


68-Er-154

Incident Energy (MeV)

12

(n,2n)  
Radionuclide Production Cross Section

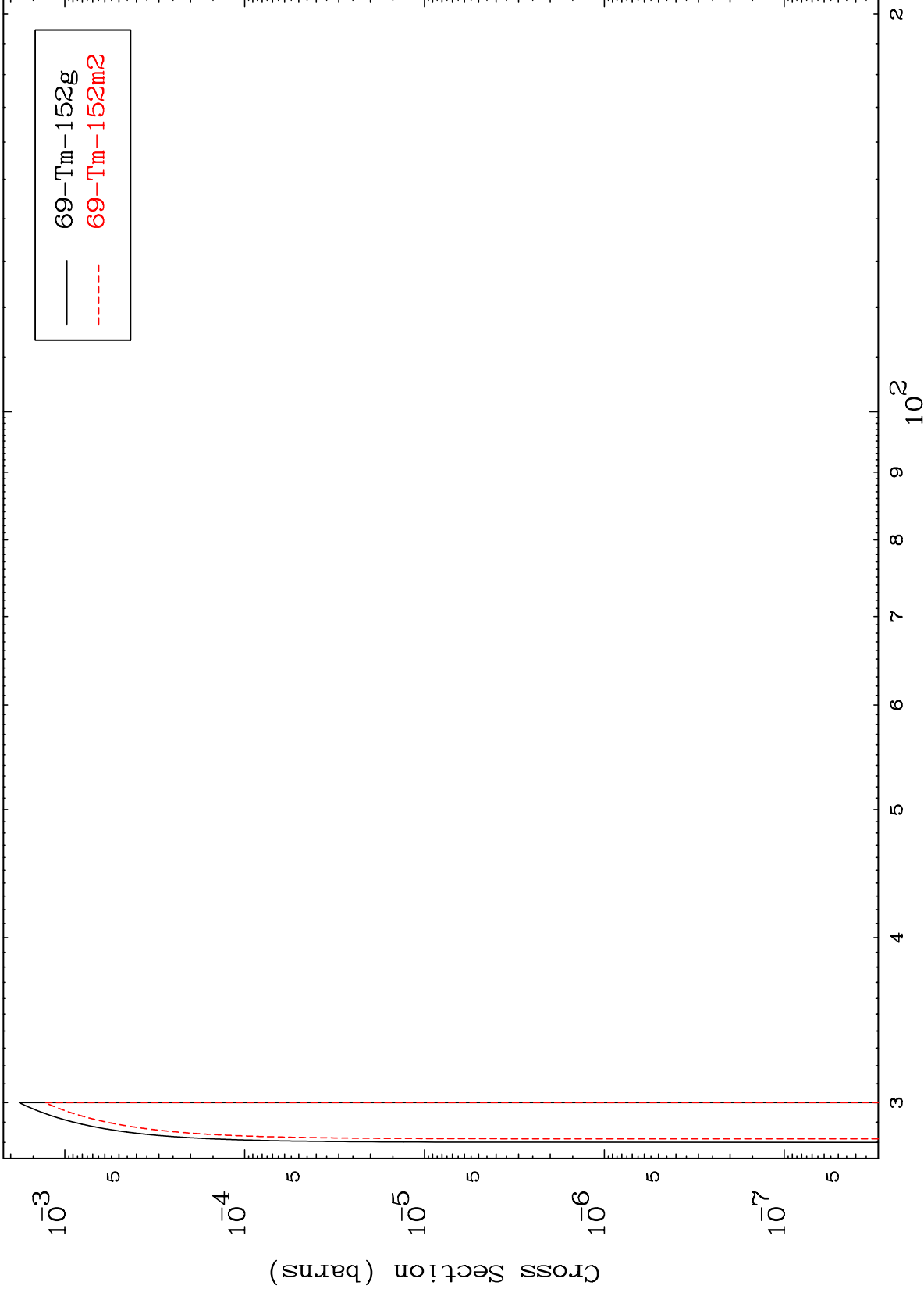


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(n,3n)

68-Er-154

Radionuclide Production Cross Section



69-Tm-152g  
69-Tm-152m2

14

Incident Energy (MeV)

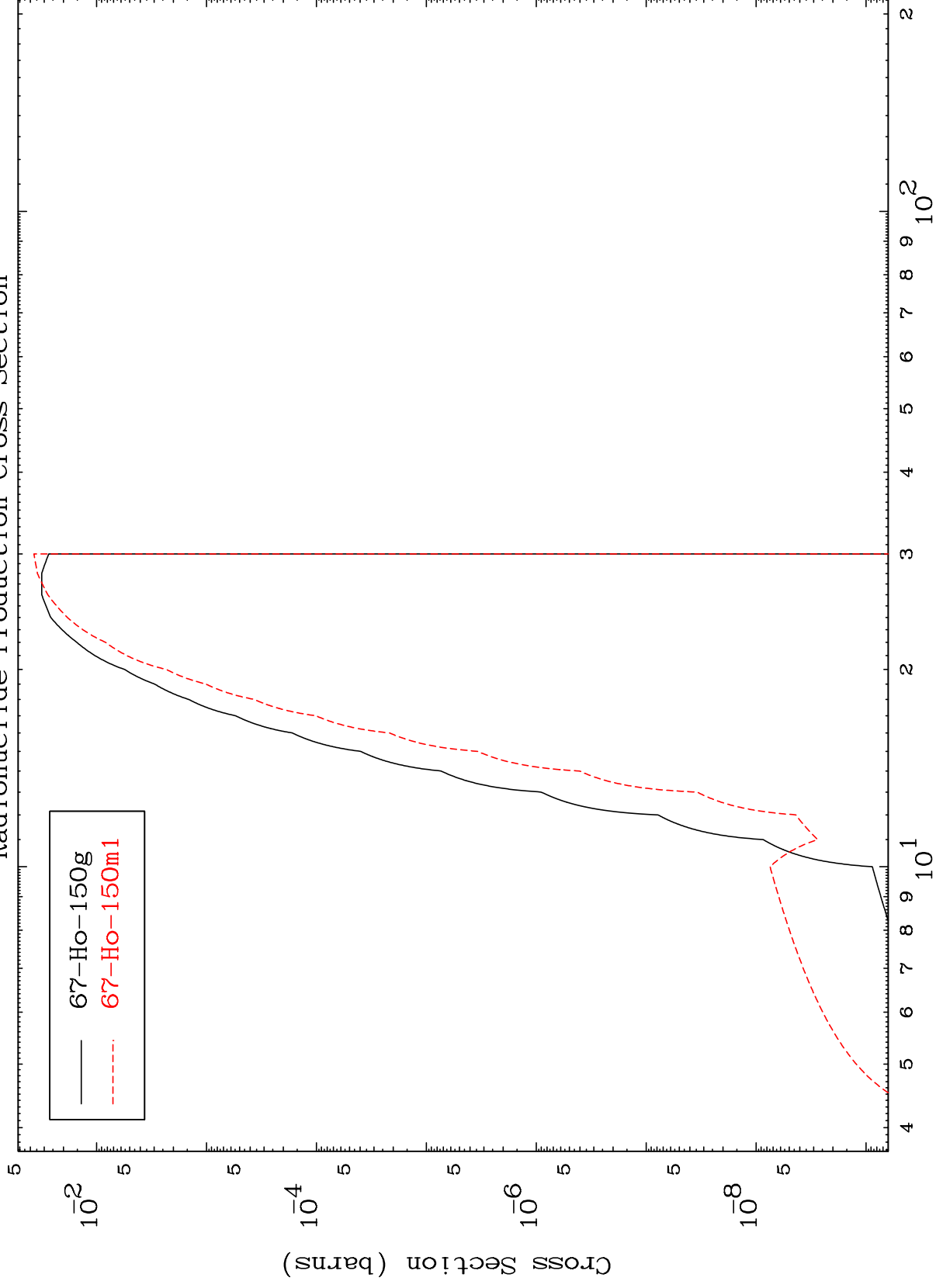
68-Er-154

MAT 6801

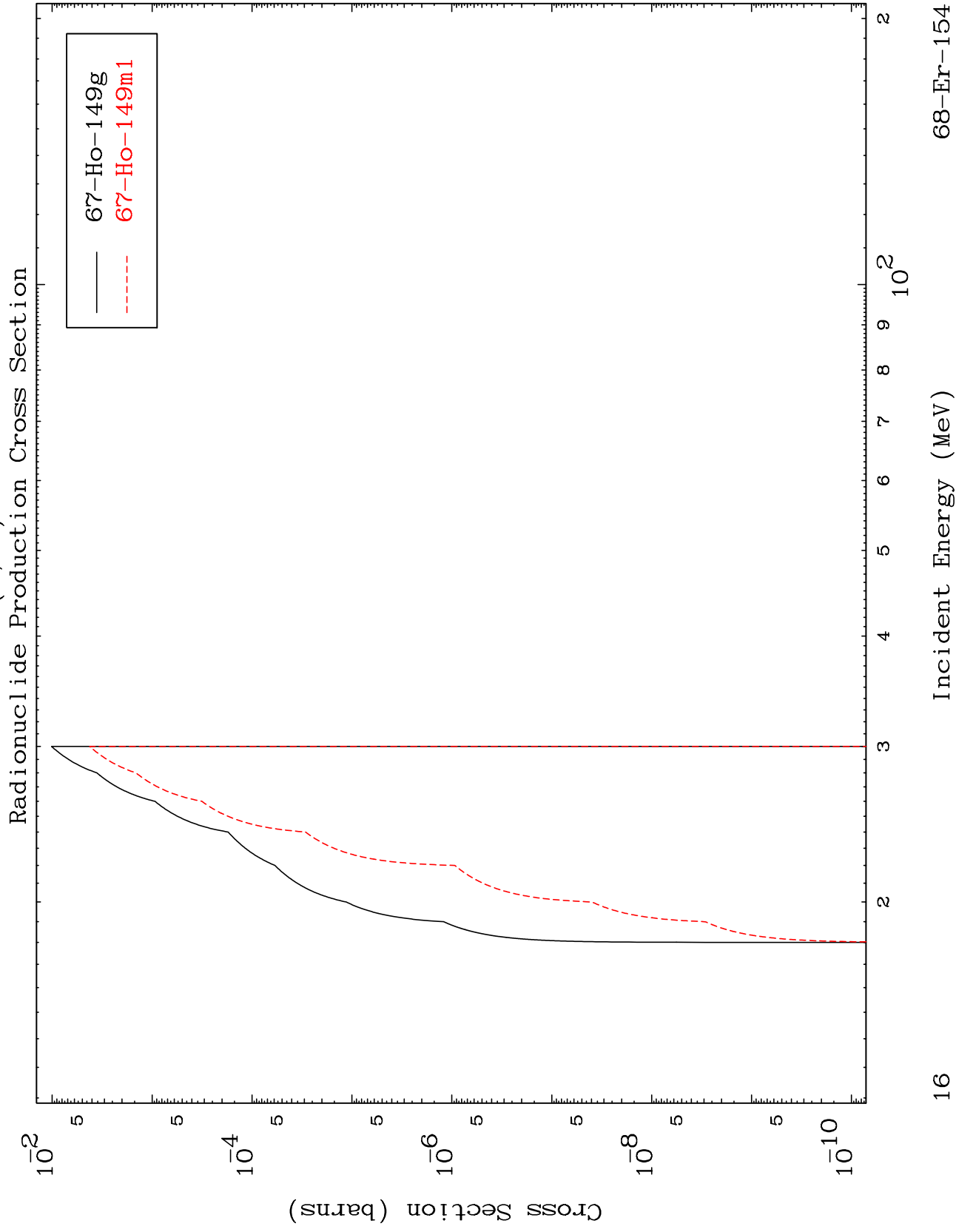
$(n, n') \alpha$

68-Er-154

Radionuclide Production Cross Section





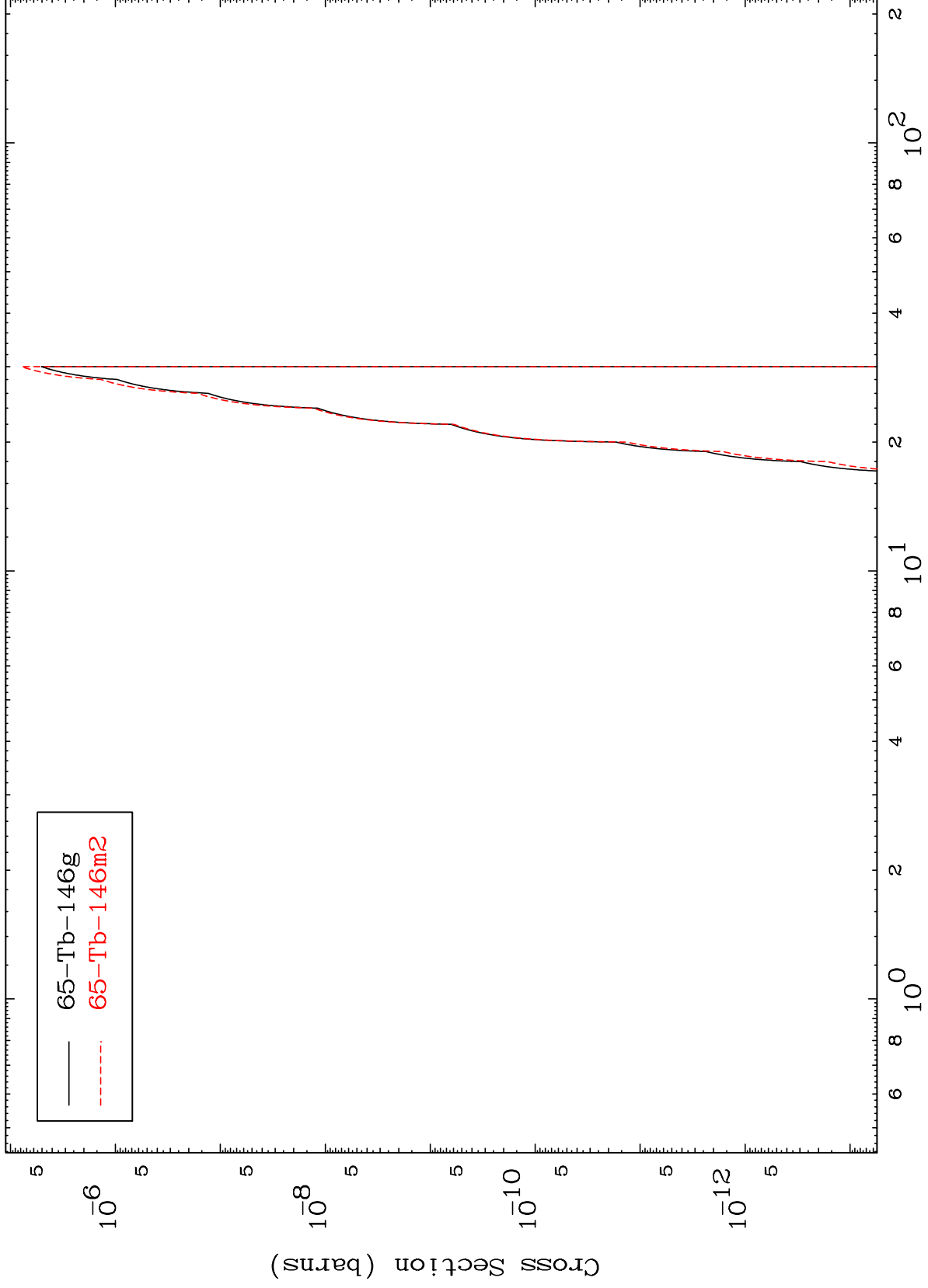


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(n,n') 2 $\alpha$

68-Er-154

Radionuclide Production Cross Section



17

Incident Energy (MeV)

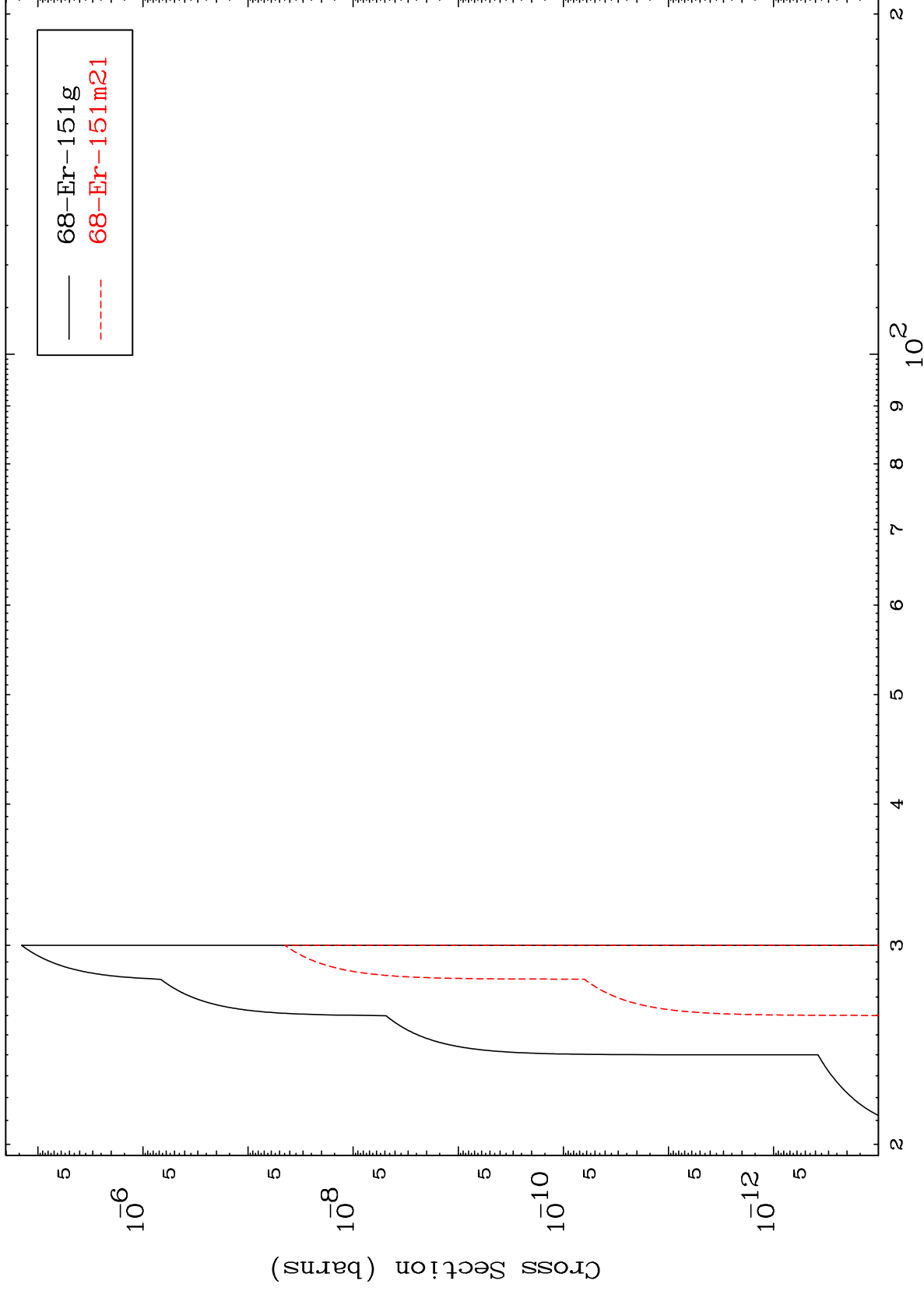
68-Er-154

MAT 6801

(n,n') t

68-Er-154

Radionuclide Production Cross Section

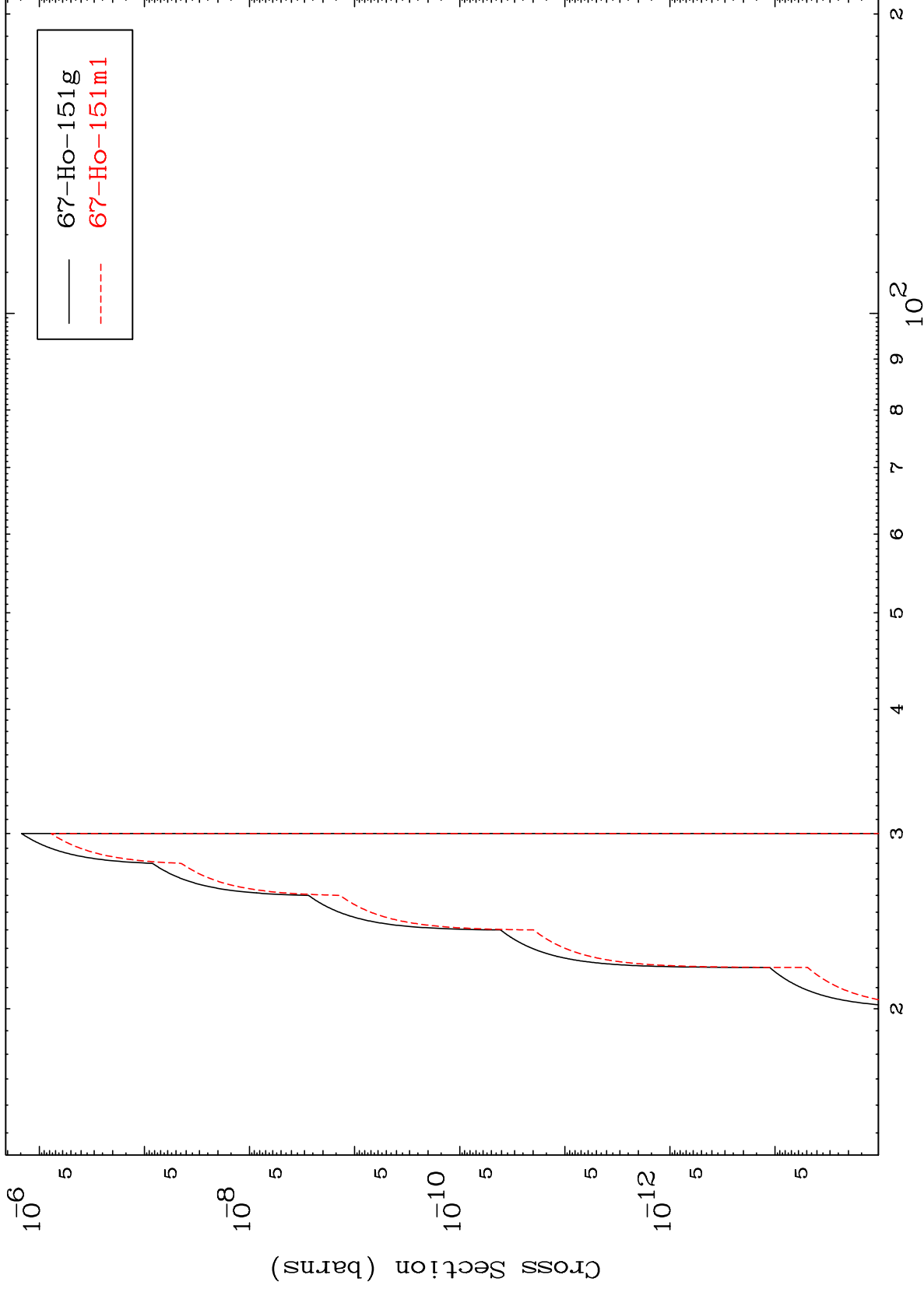


18

Incident Energy (MeV)

68-Er-154

Radionuclide Production Cross Section

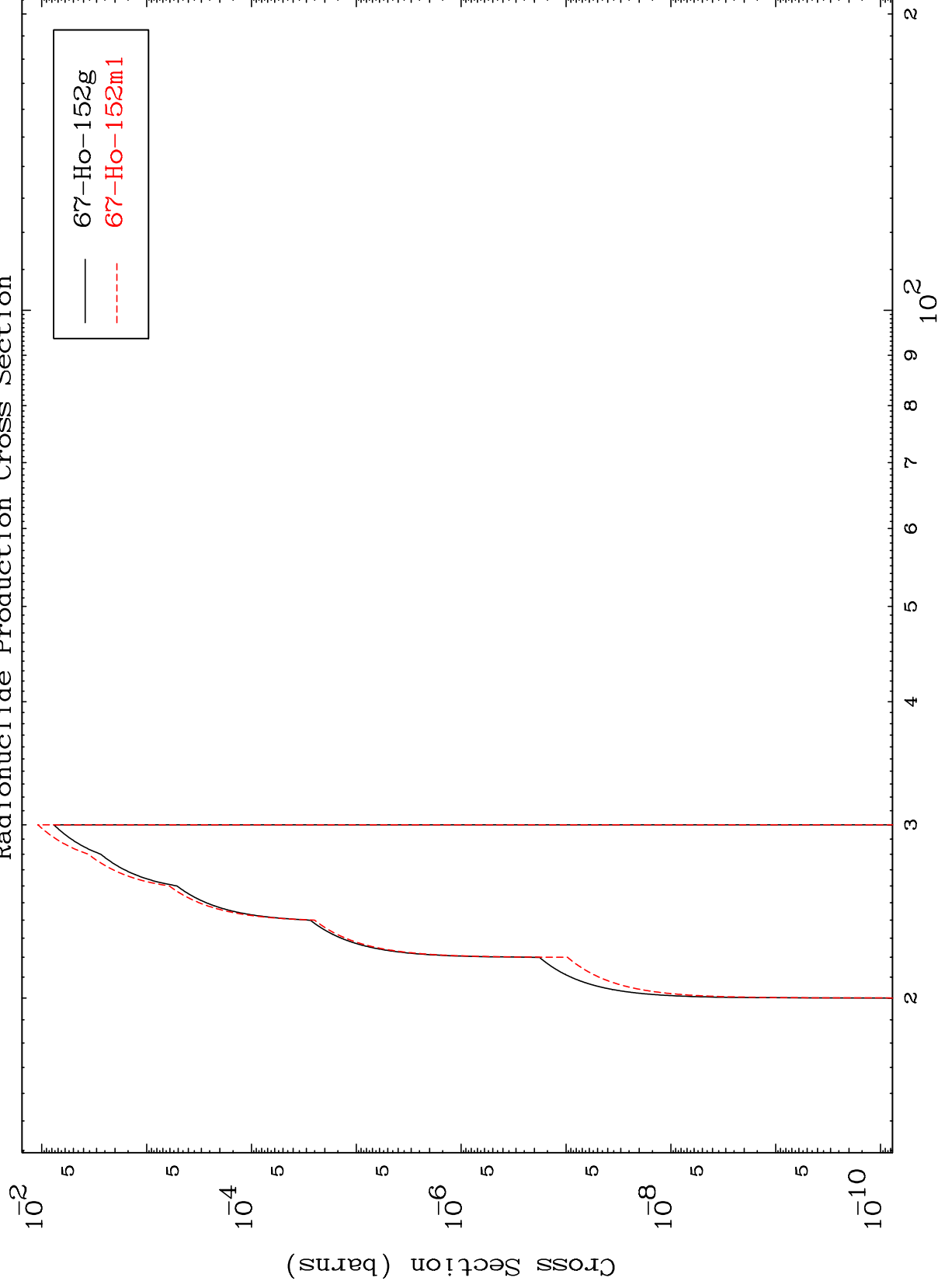


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(n,2n) p

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Radionuclide Production Cross Section



20

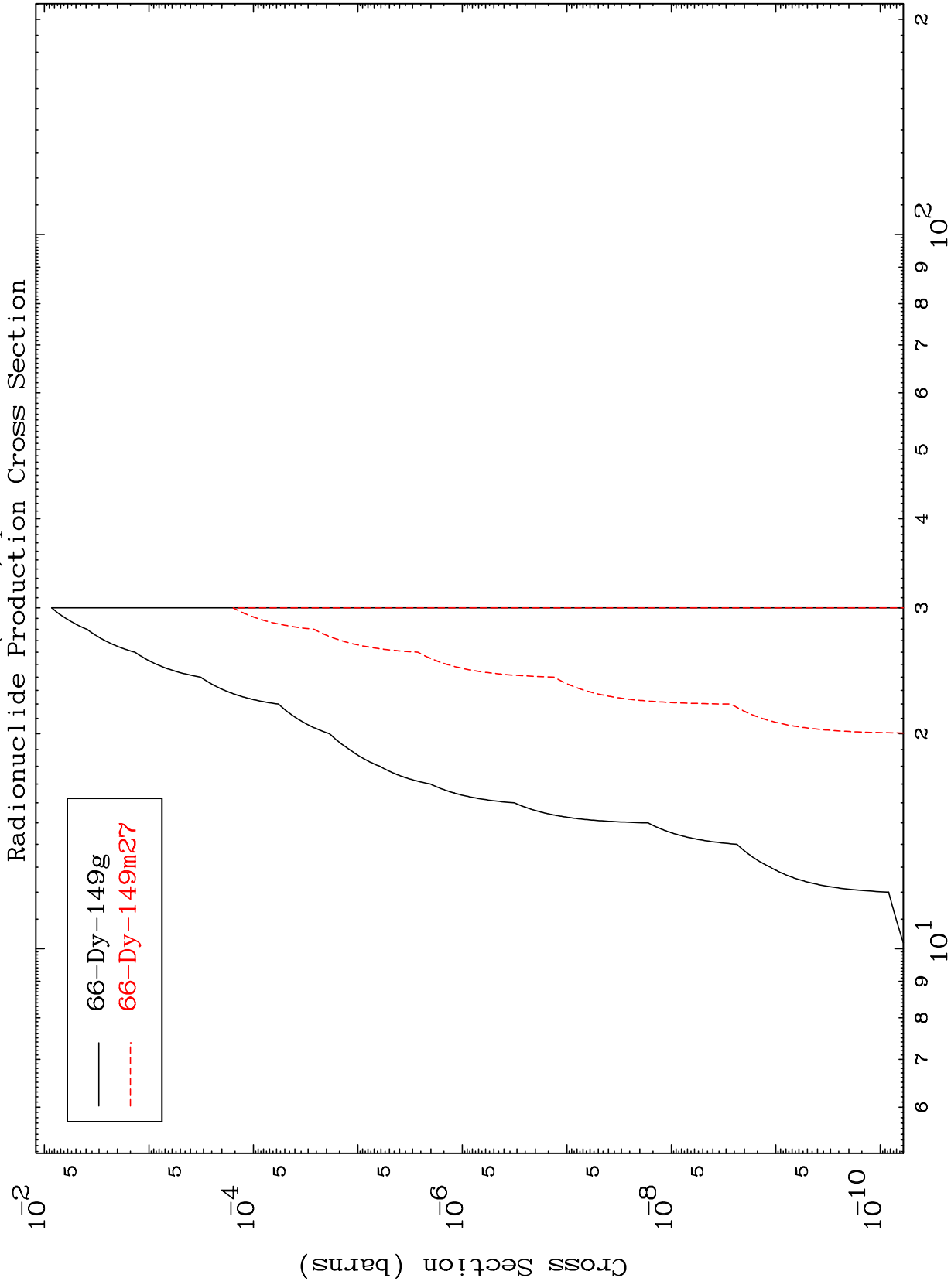
Incident Energy (MeV)

68-Er-154

MAT 6801

(n,n') p  $\alpha$

68-Er-154

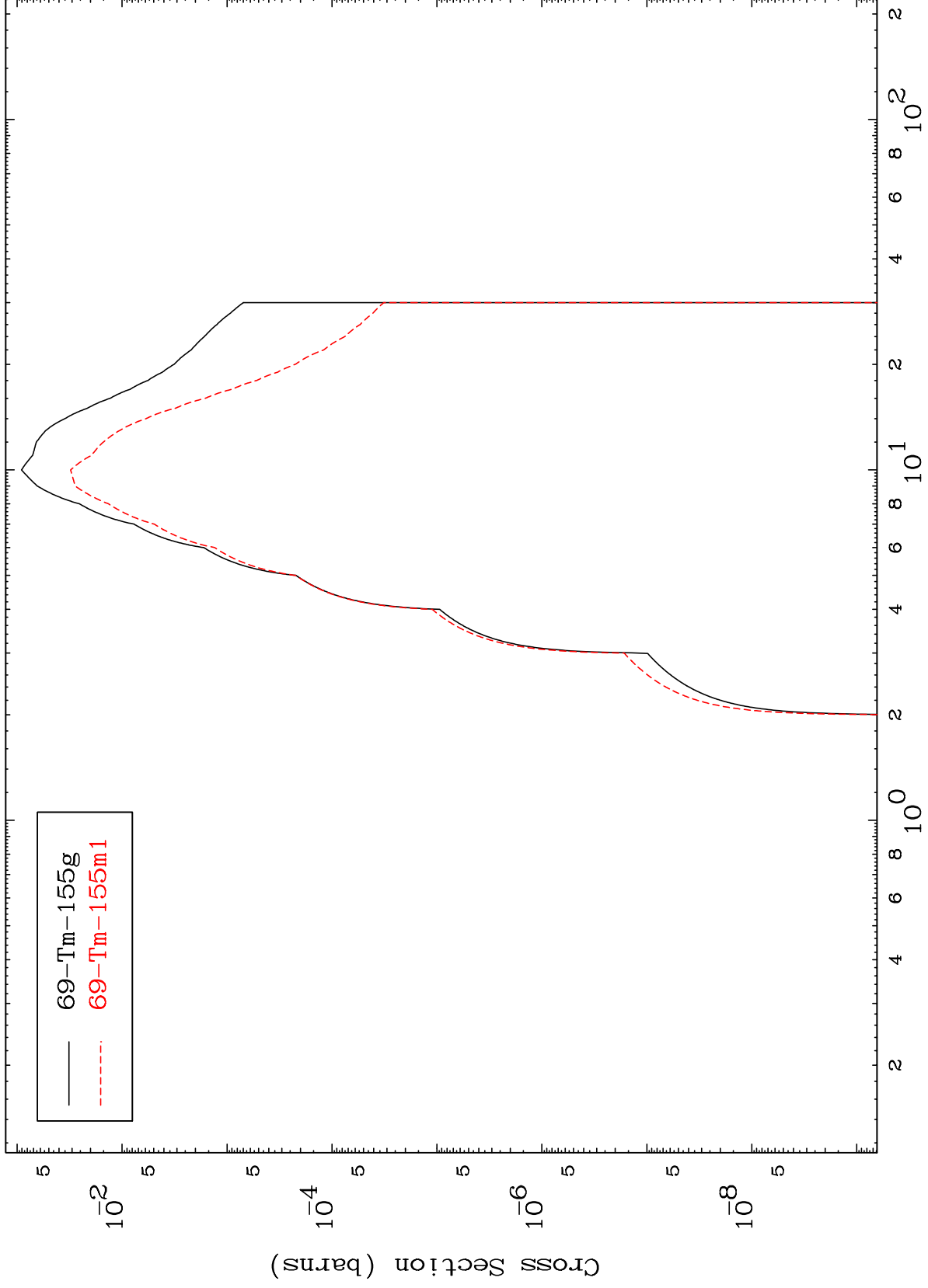


66-Dy-149g  
66-Dy-149m27

MAT 6801

68-Er-154

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



68-Er-154

Incident Energy (MeV)

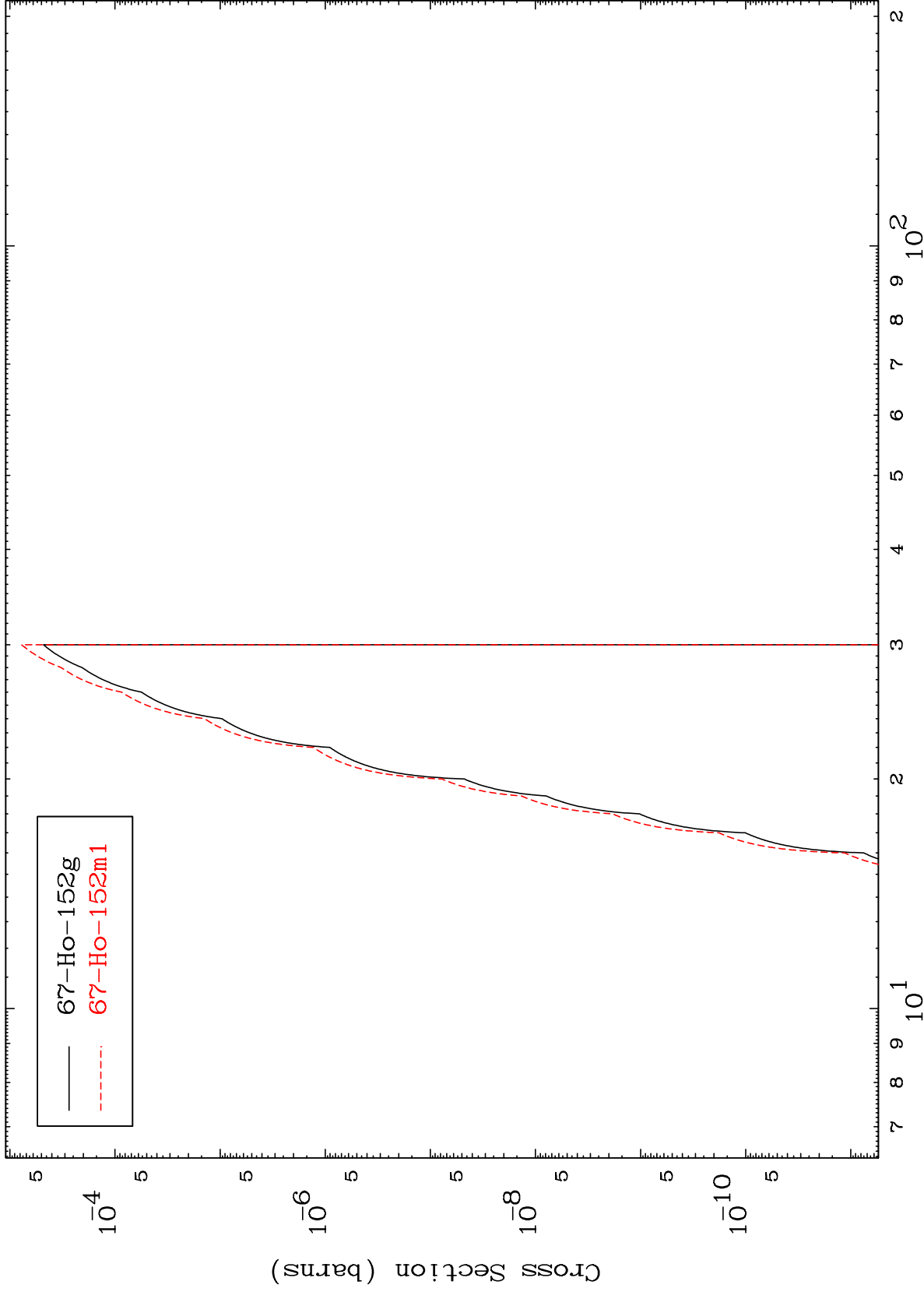
22

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(n,He-3)

68-Er-154

Radionuclide Production Cross Section



23

Incident Energy (MeV)

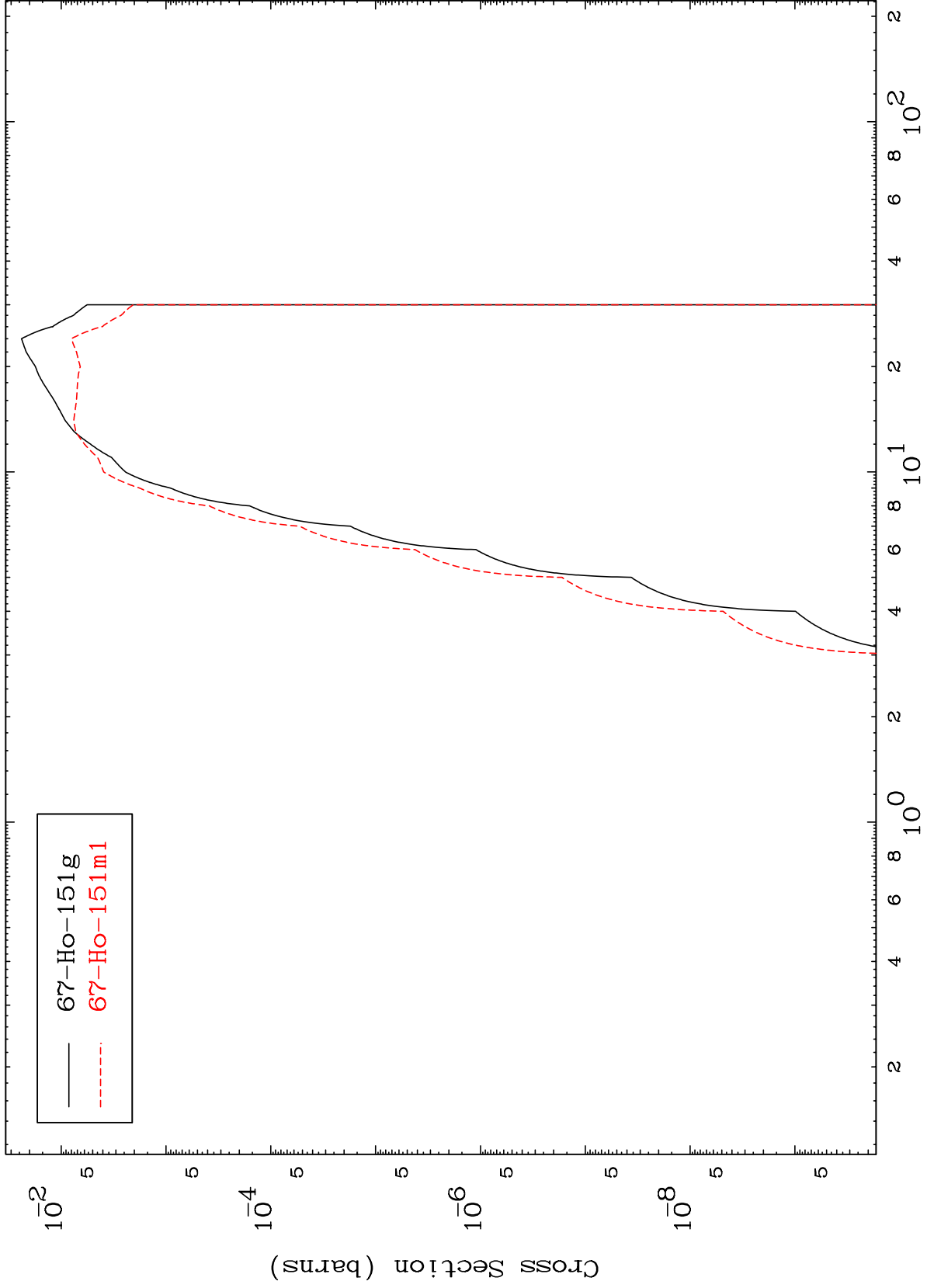
68-Er-154



MAT 6801

68-Er-154

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



24

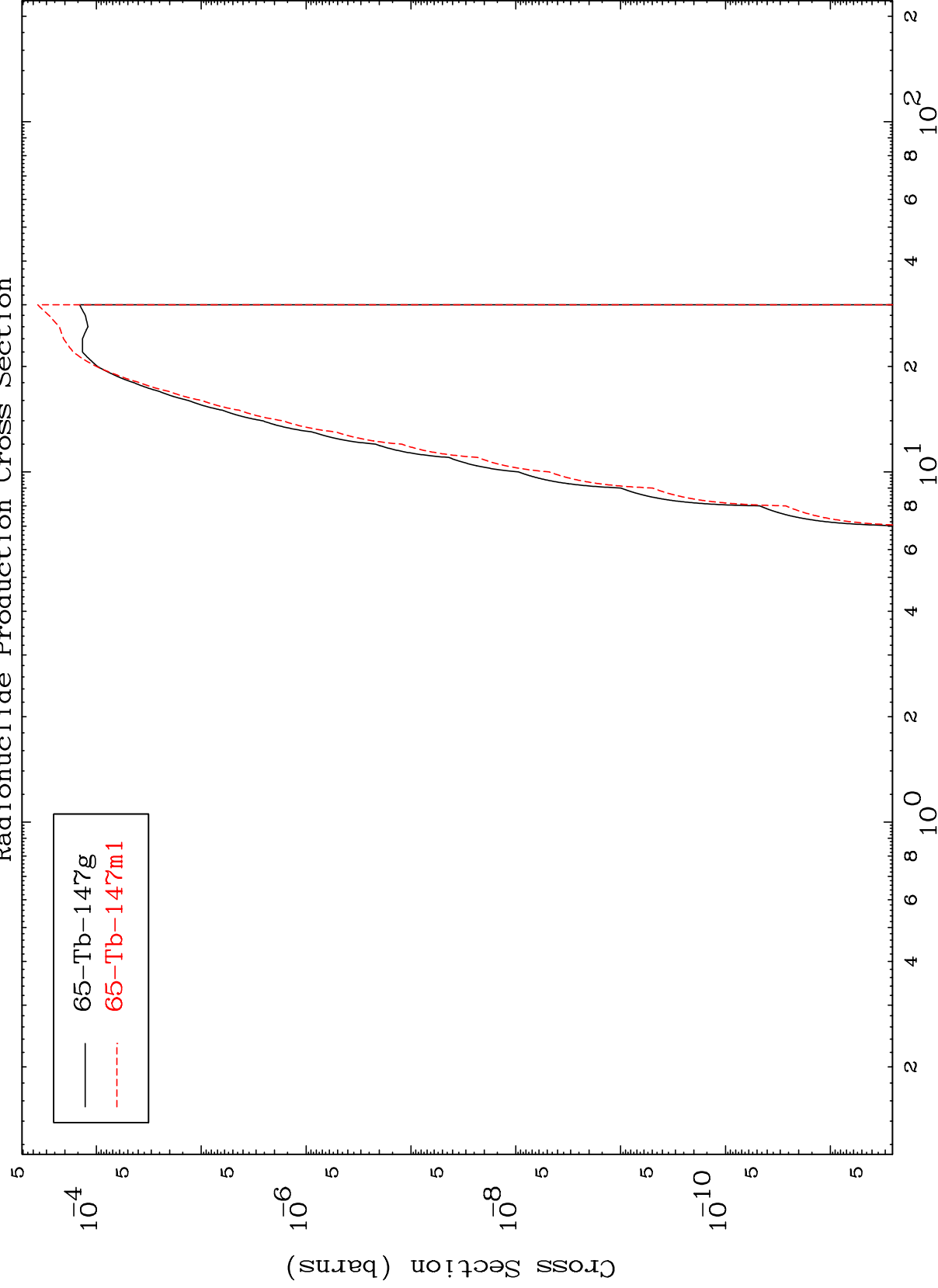
68-Er-154

Incident Energy (MeV)

MAT 6801

68-Er-154

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

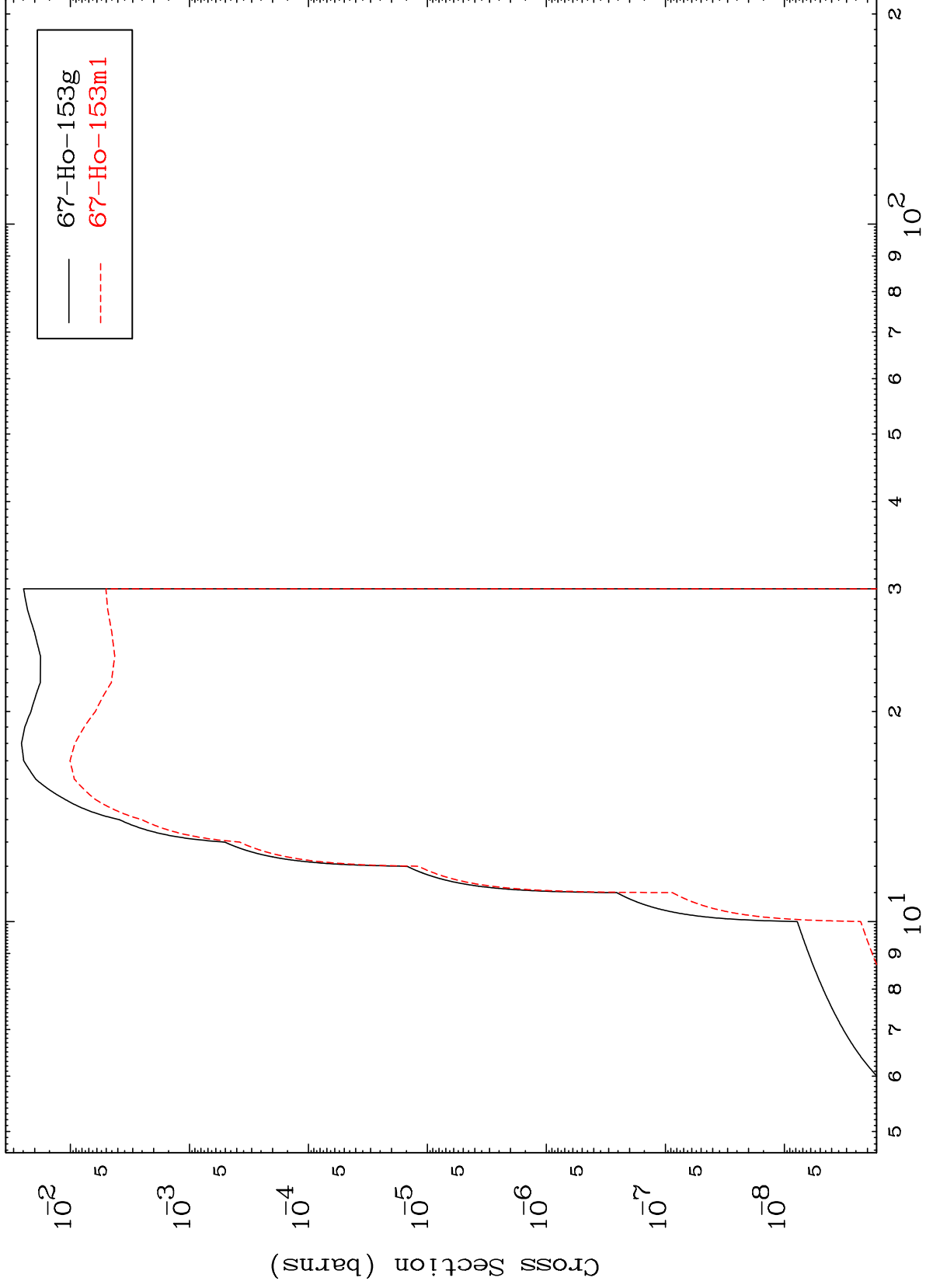


25

Incident Energy (MeV)

68-Er-154

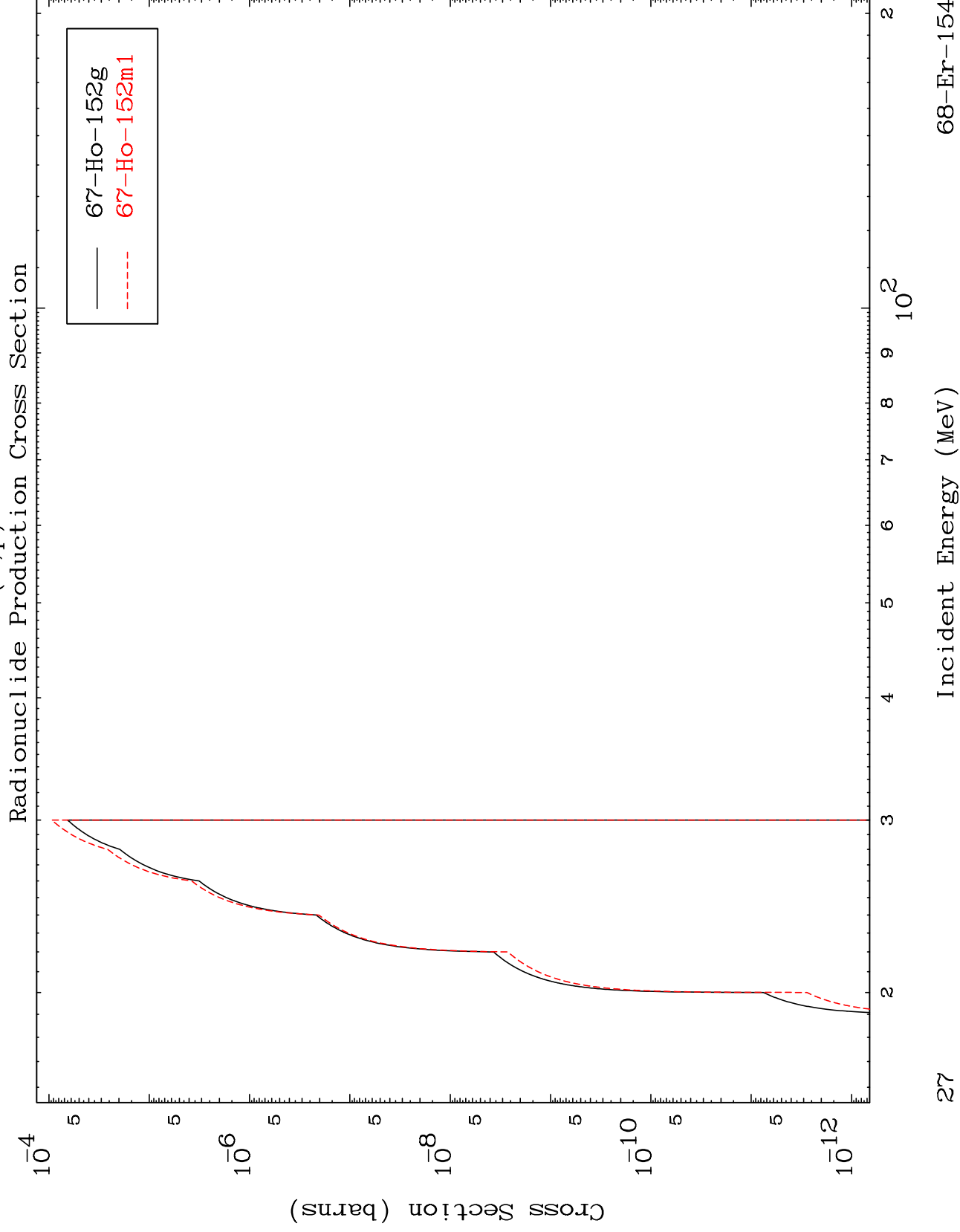
(n,2p)  
Radionuclide Production Cross Section



MAT 6801

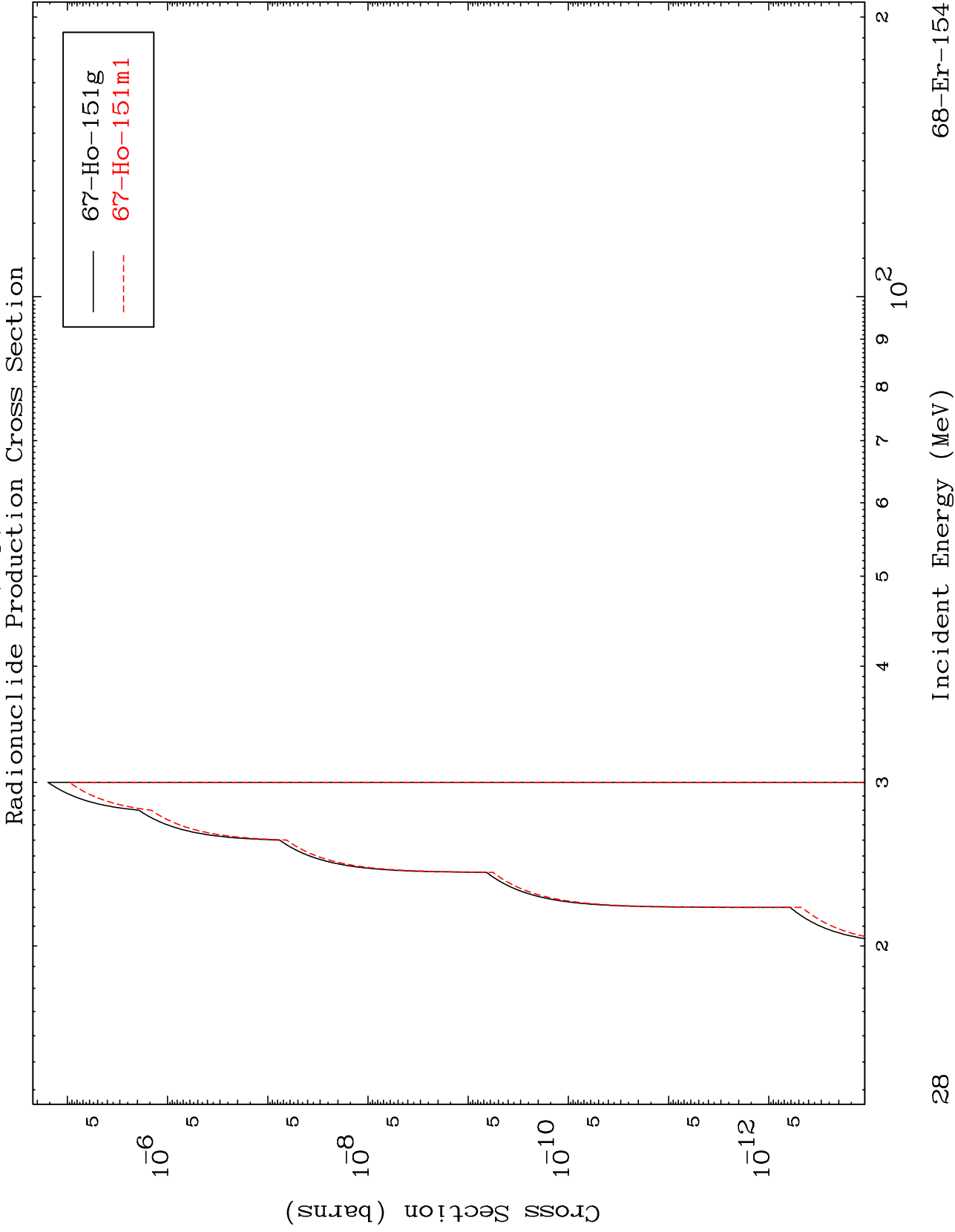
(n,p) d

68-Er-154



27

68-Er-154

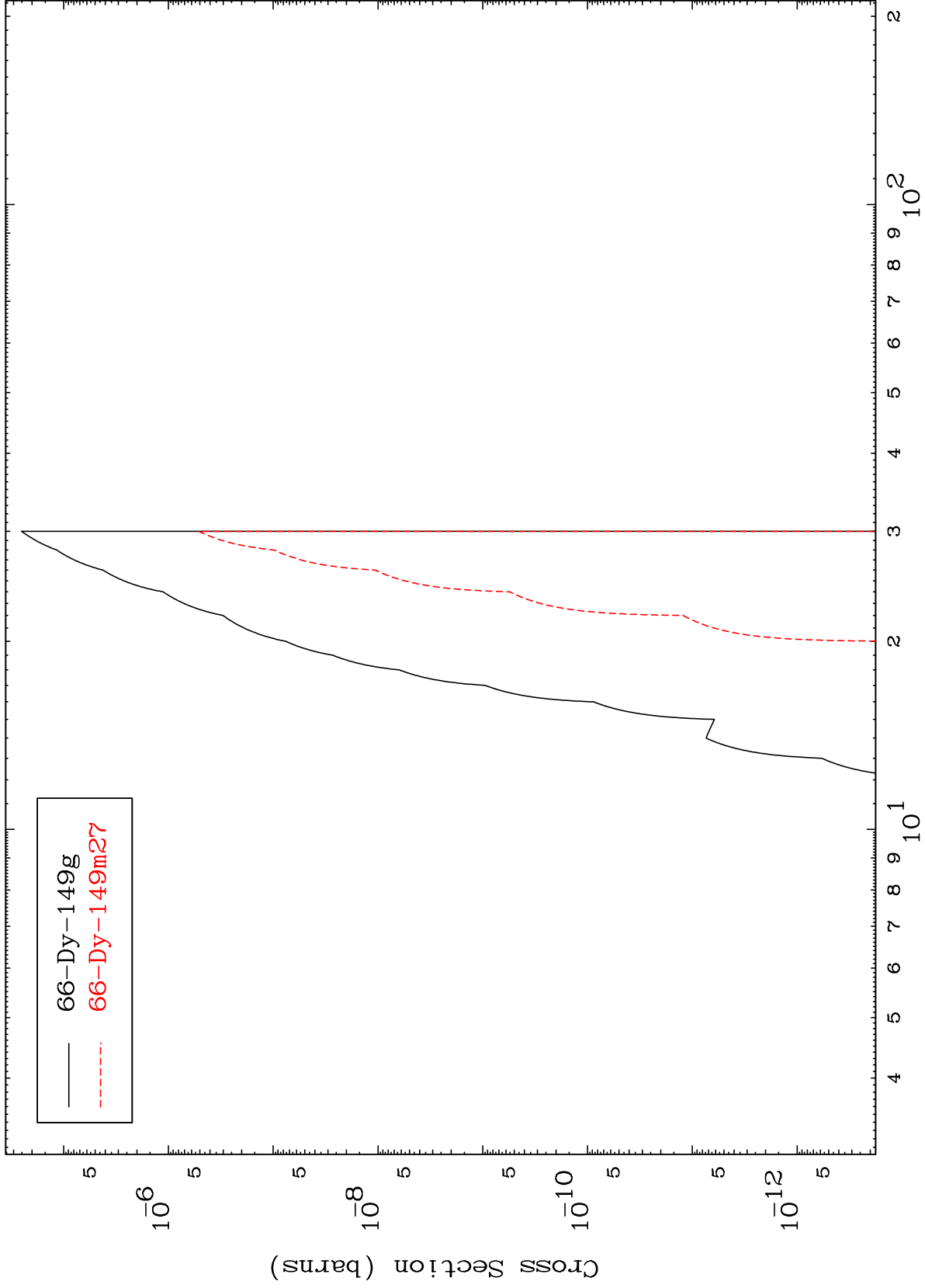


MAT 6801

(n,d)  $\alpha$

68-Er-154

Radionuclide Production Cross Section



29

Incident Energy (MeV)

68-Er-154