

Program EVALPLOT
(Version 2021-1)

by

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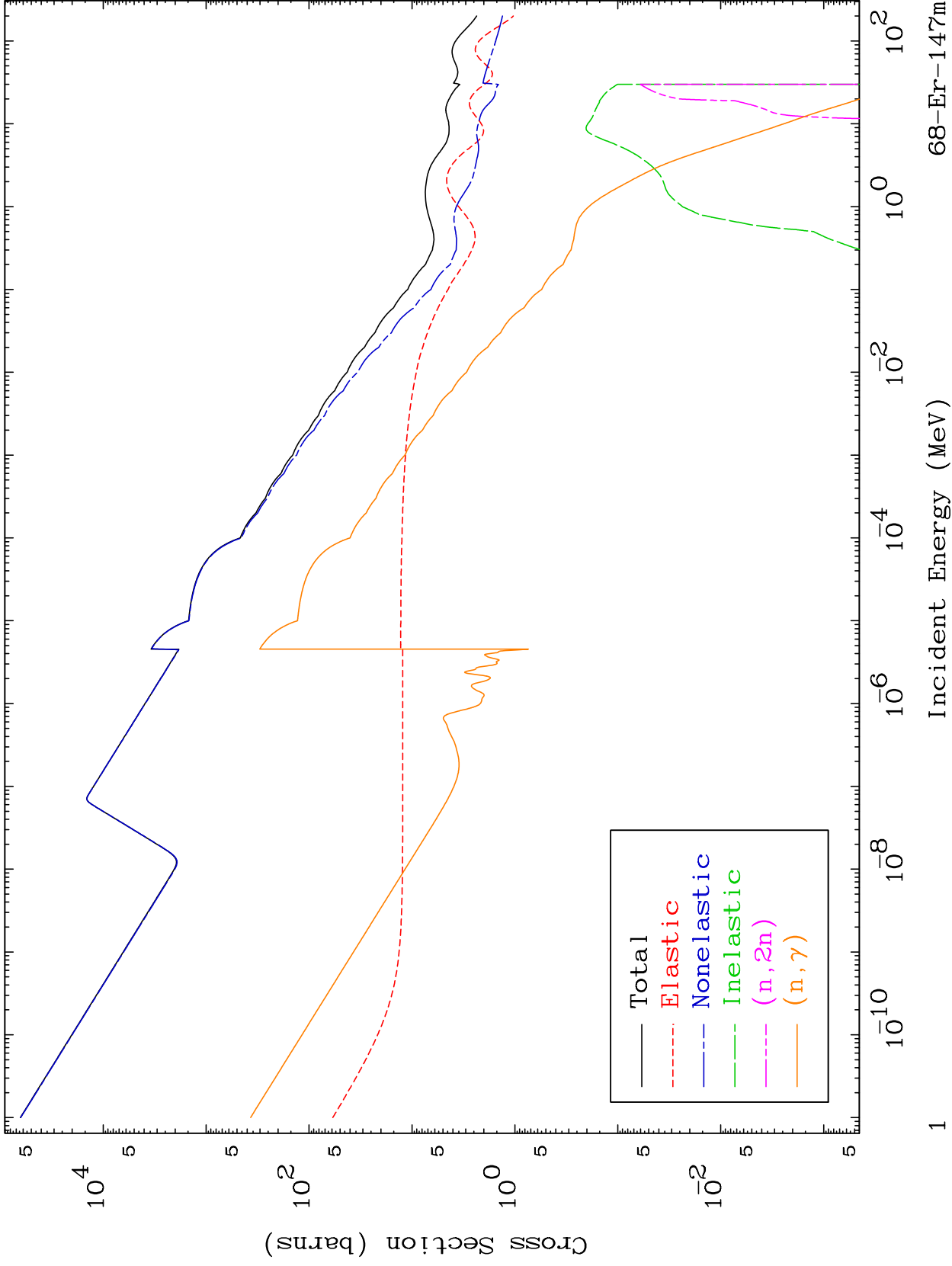
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6781

Neutron Major
293 Kelvin Cross Sections

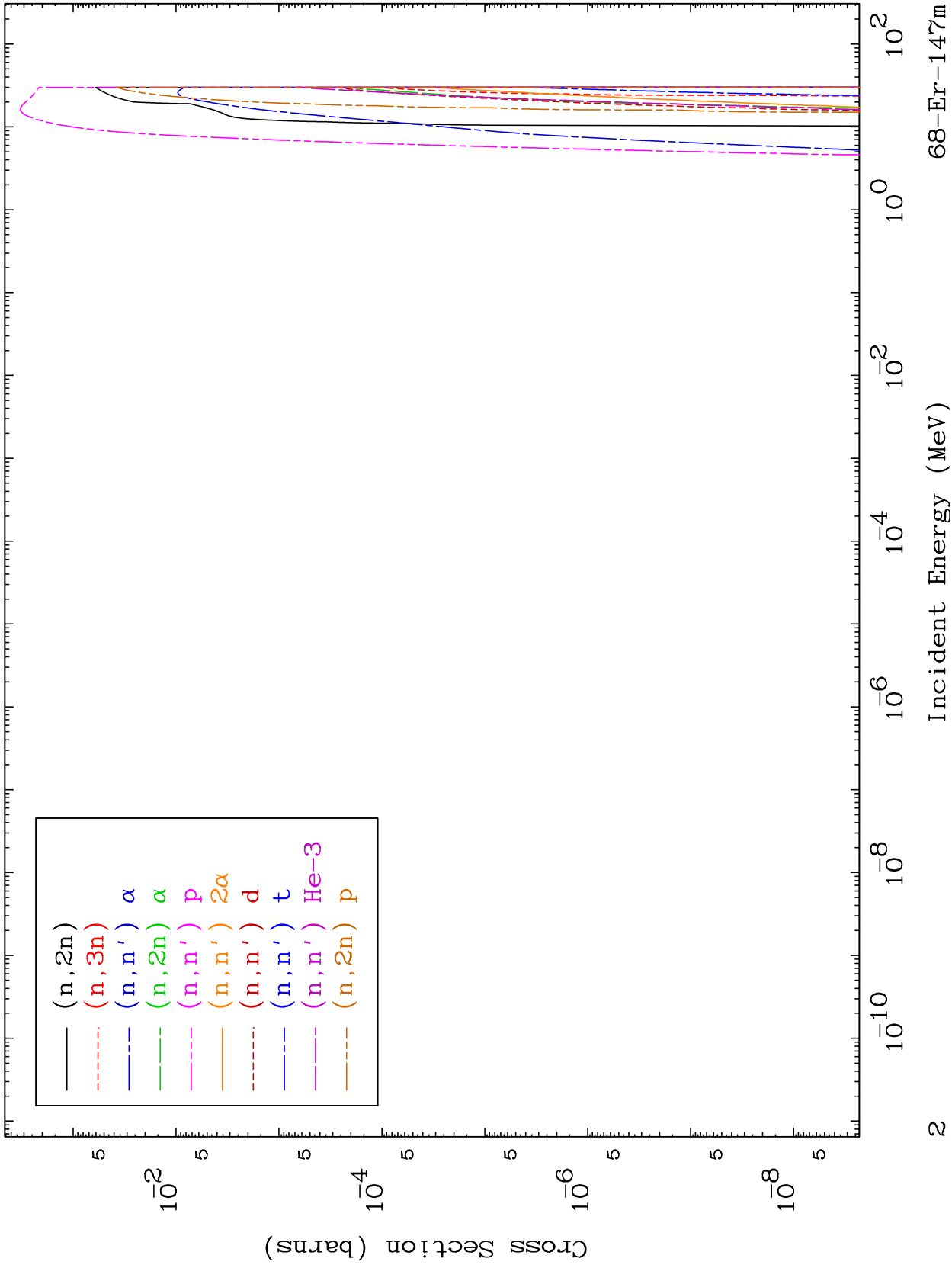
68-Er-147m



MAT 6781

Neutron Absorption
293 Kelvin Cross Sections

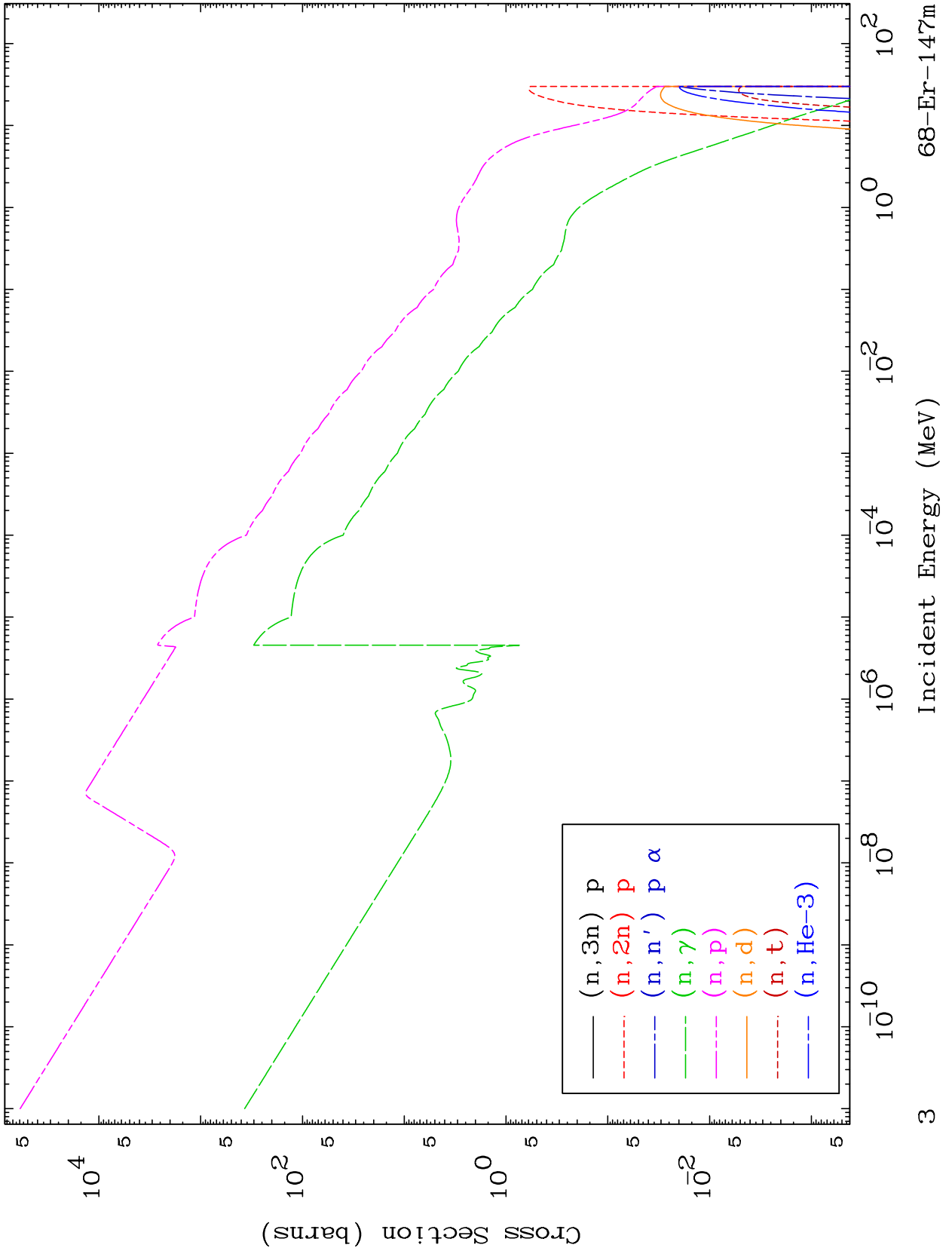
68-Er-147m



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Neutron Absorption
293 Kelvin Cross Sections

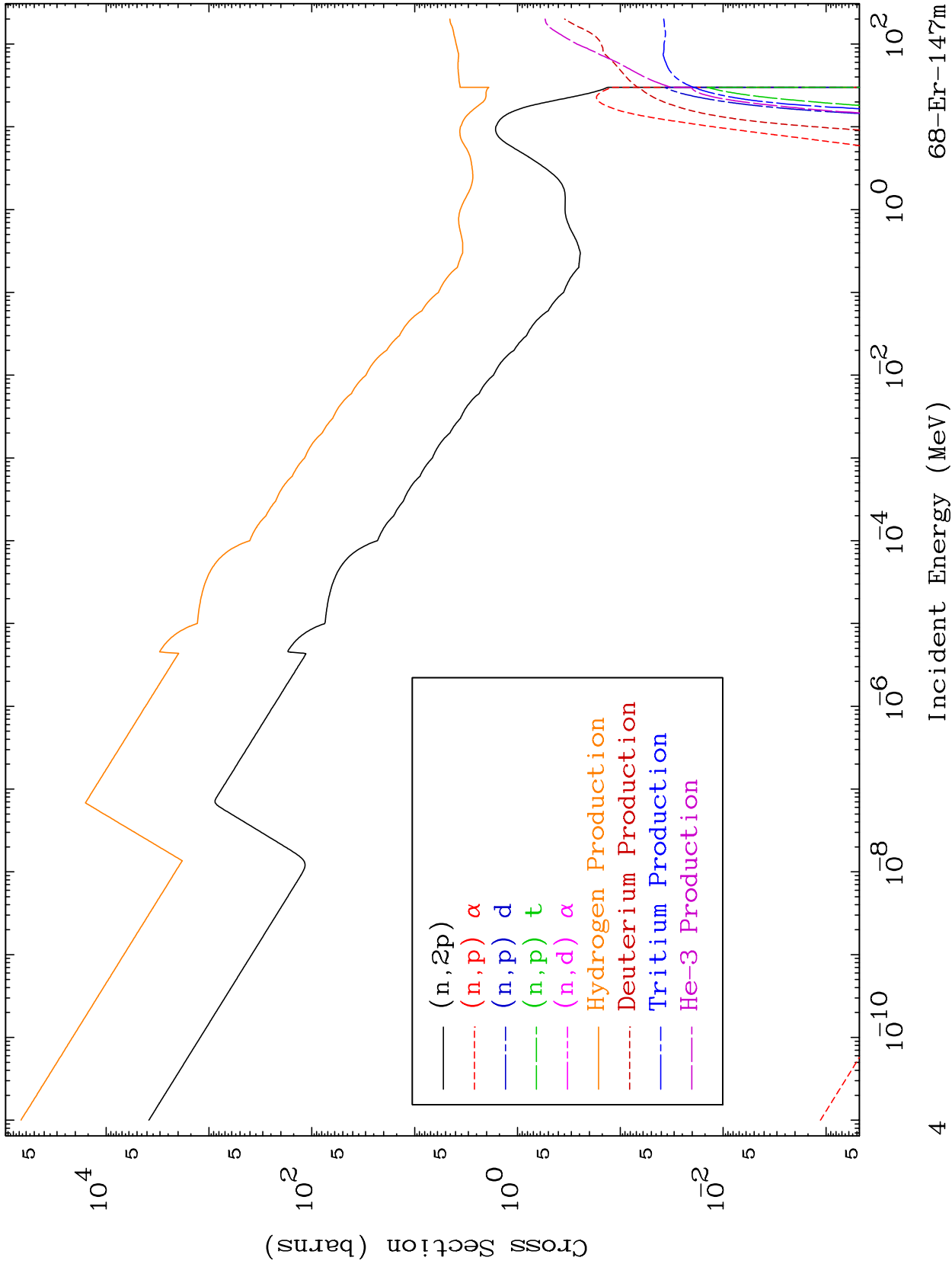
68-Er-147m



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Neutron Absorption
293 Kelvin Cross Sections

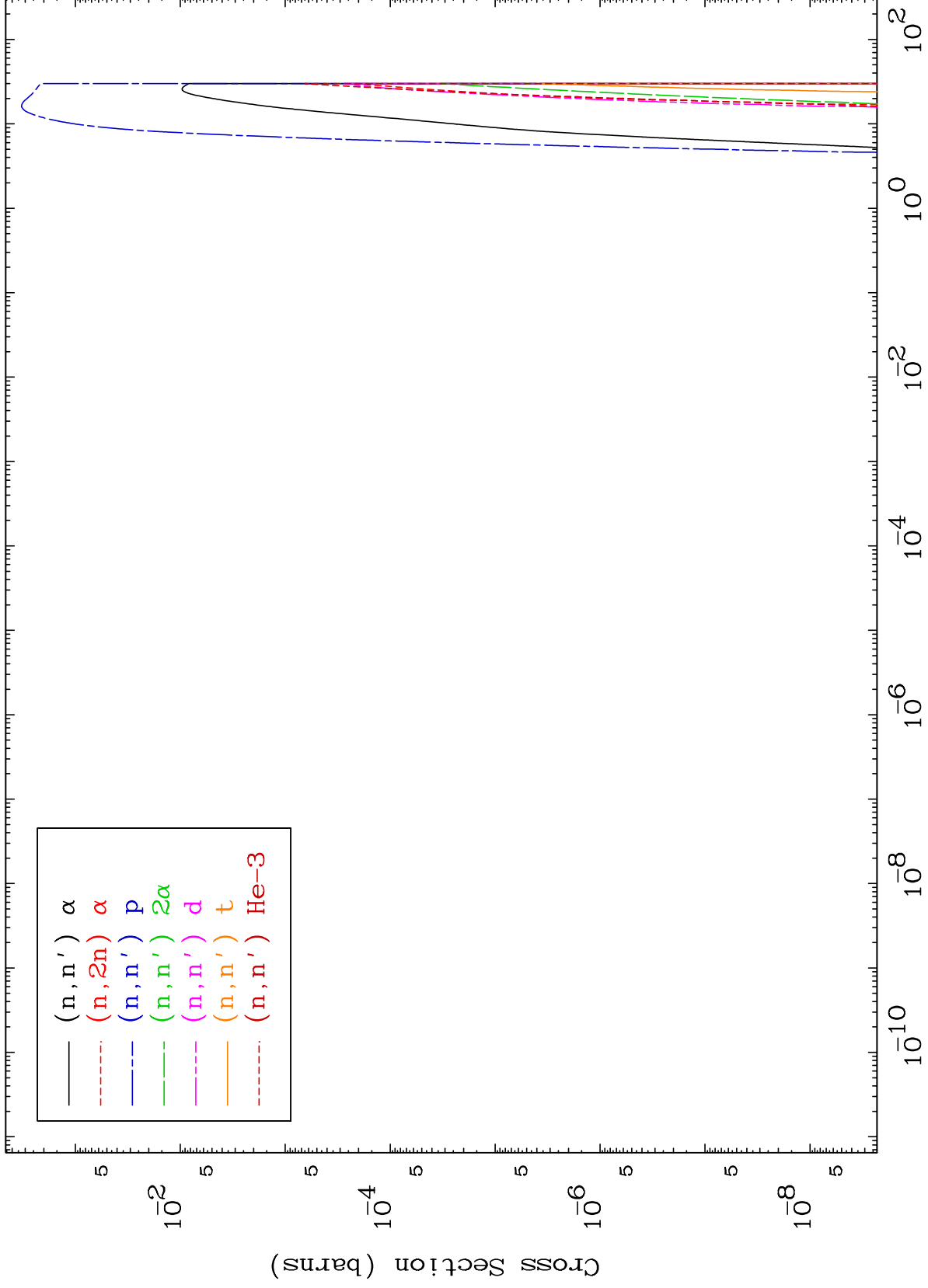
68-Er-147m



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Charged Particle
293 Kelvin Cross Sections

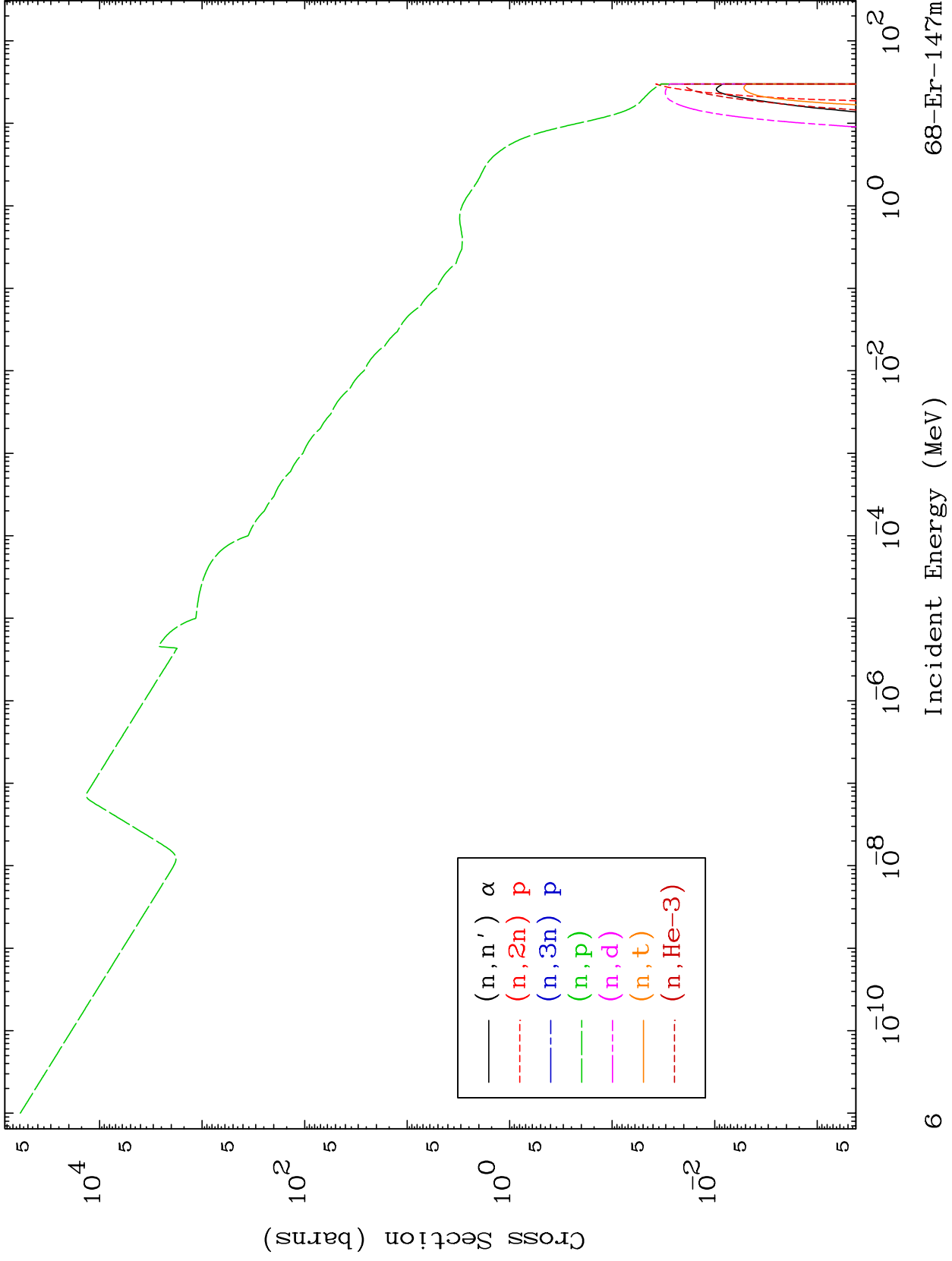
68-Er-147m



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Charged Particle
293 Kelvin Cross Sections

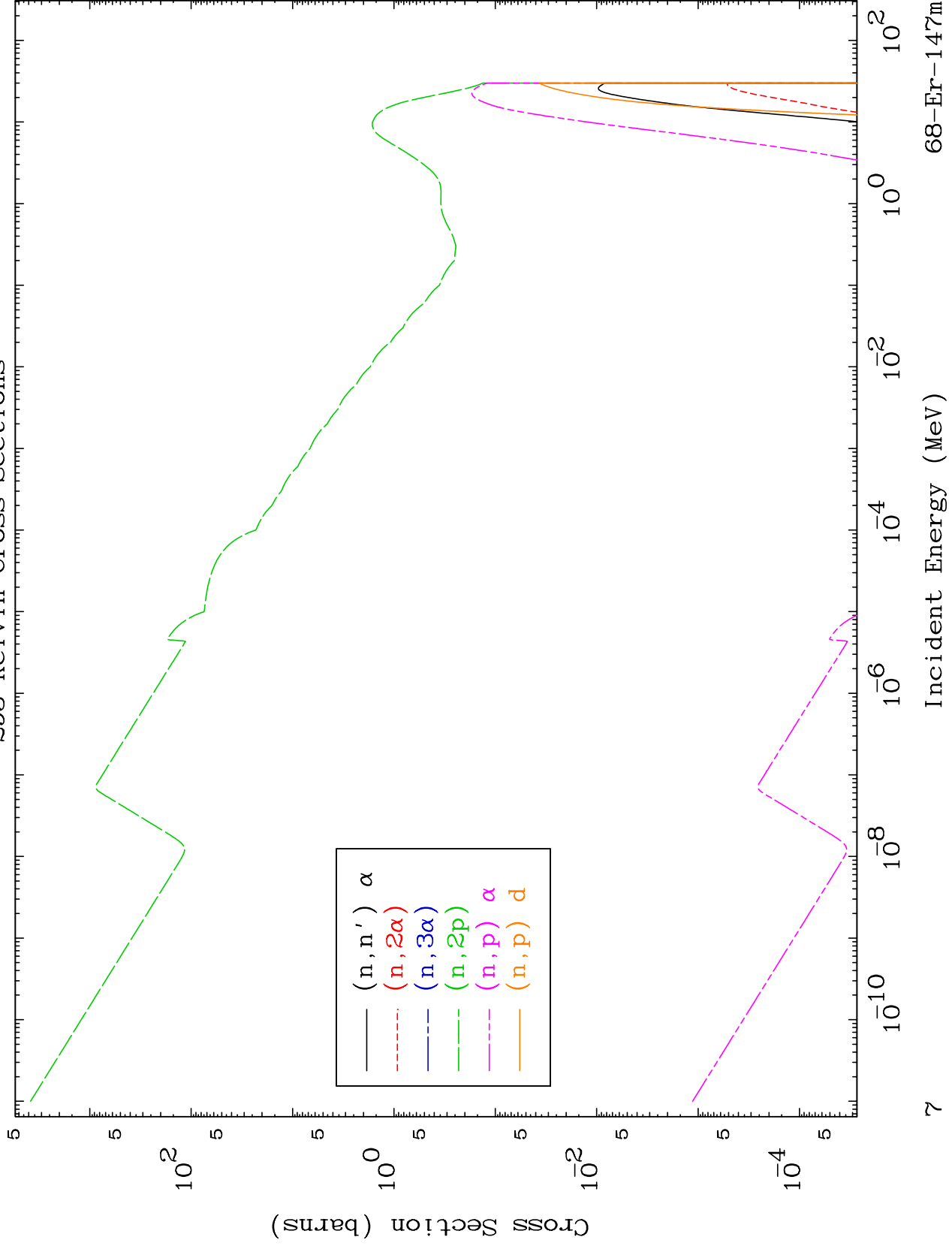
68-Er-147m



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Charged Particle
293 Kelvin Cross Sections

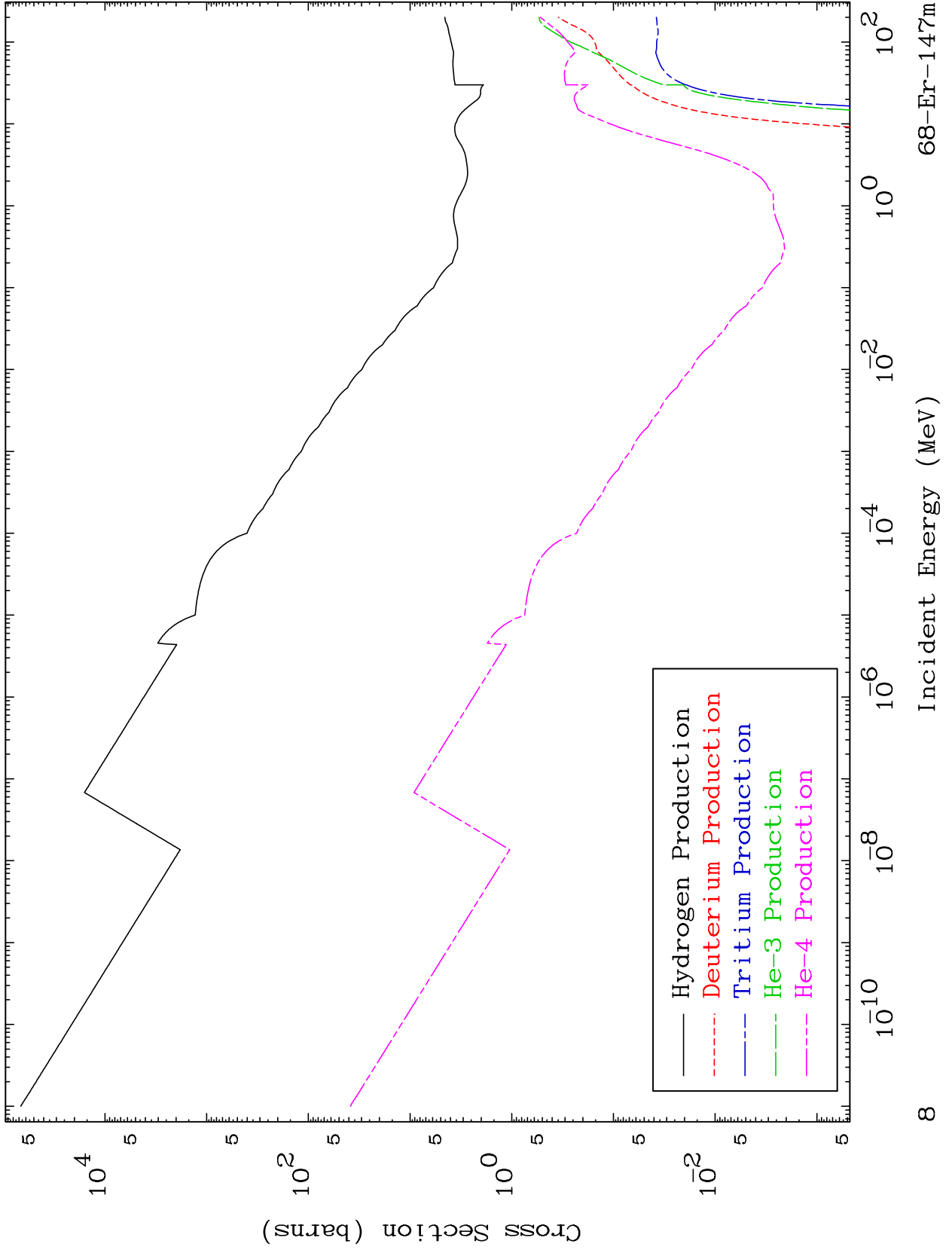
68-Er-147m



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Particle Production
293 Kelvin Cross Sections

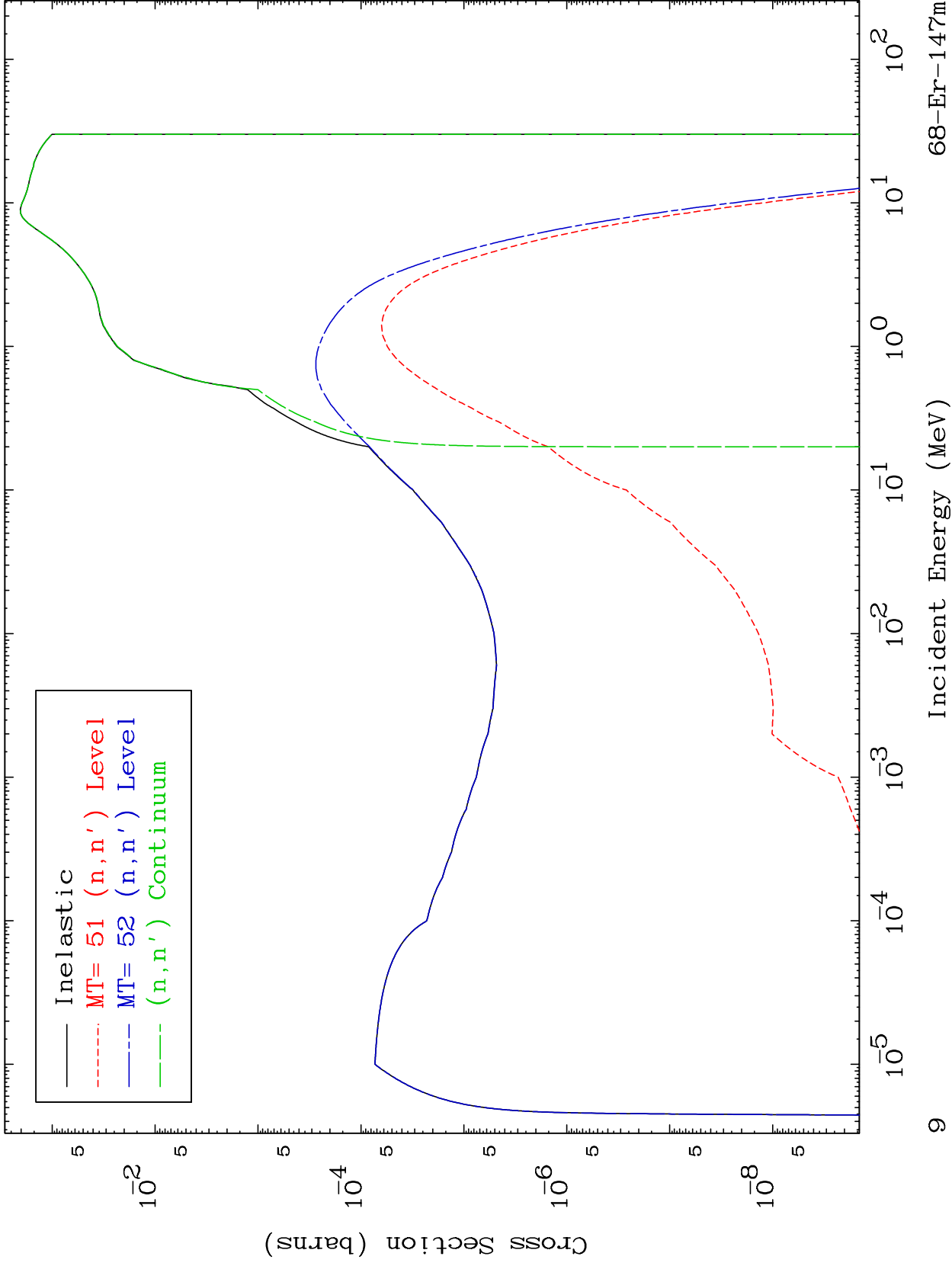
68-Er-147m



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(n,n') Levels
293 Kelvin Cross Sections

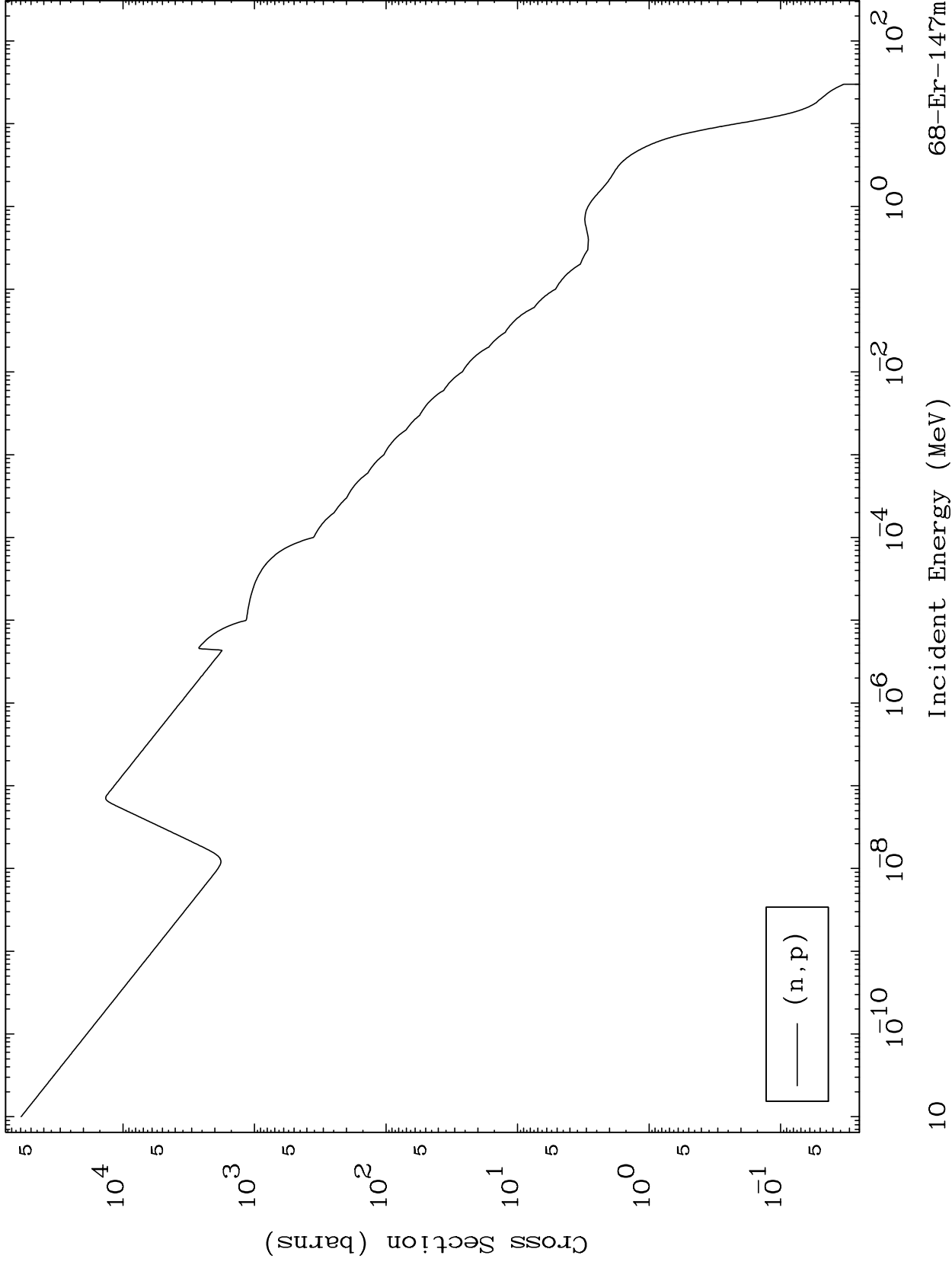
68-Er-147m



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(n,p) Levels
293 Kelvin Cross Sections

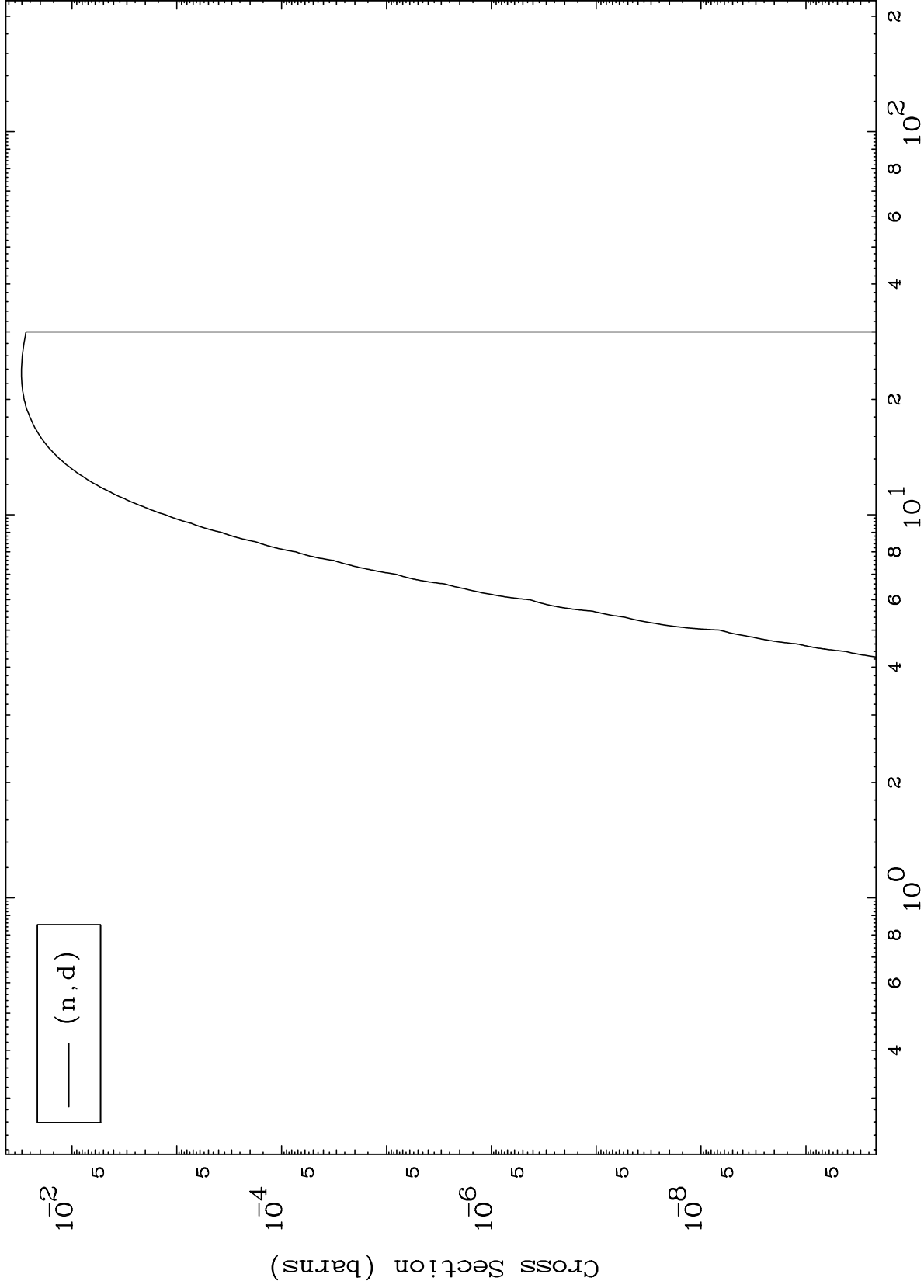
68-Er-147m



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(n,d) Levels
293 Kelvin Cross Sections

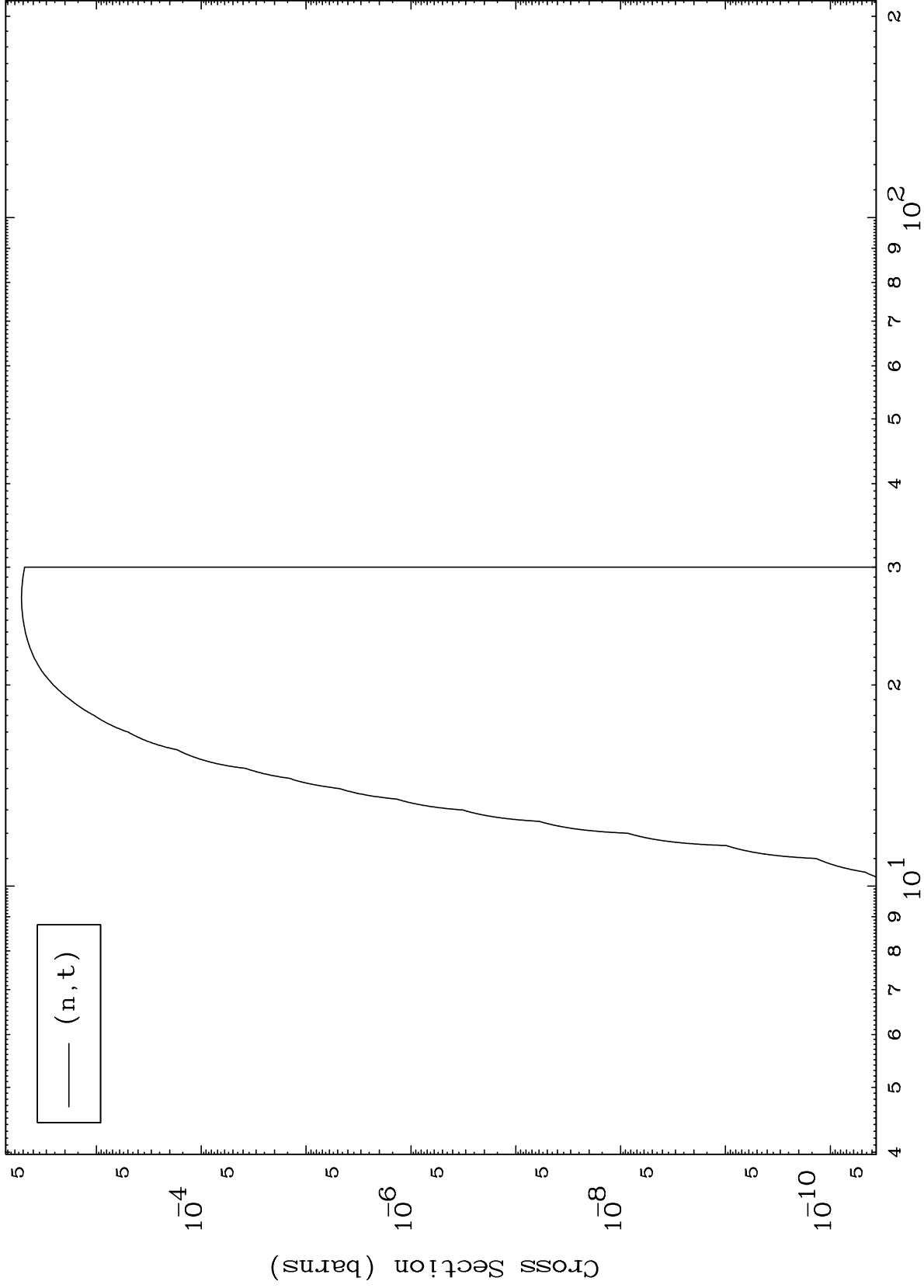
68-Er-147m



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(n,t) Levels
293 Kelvin Cross Sections

68-Er-147m



12

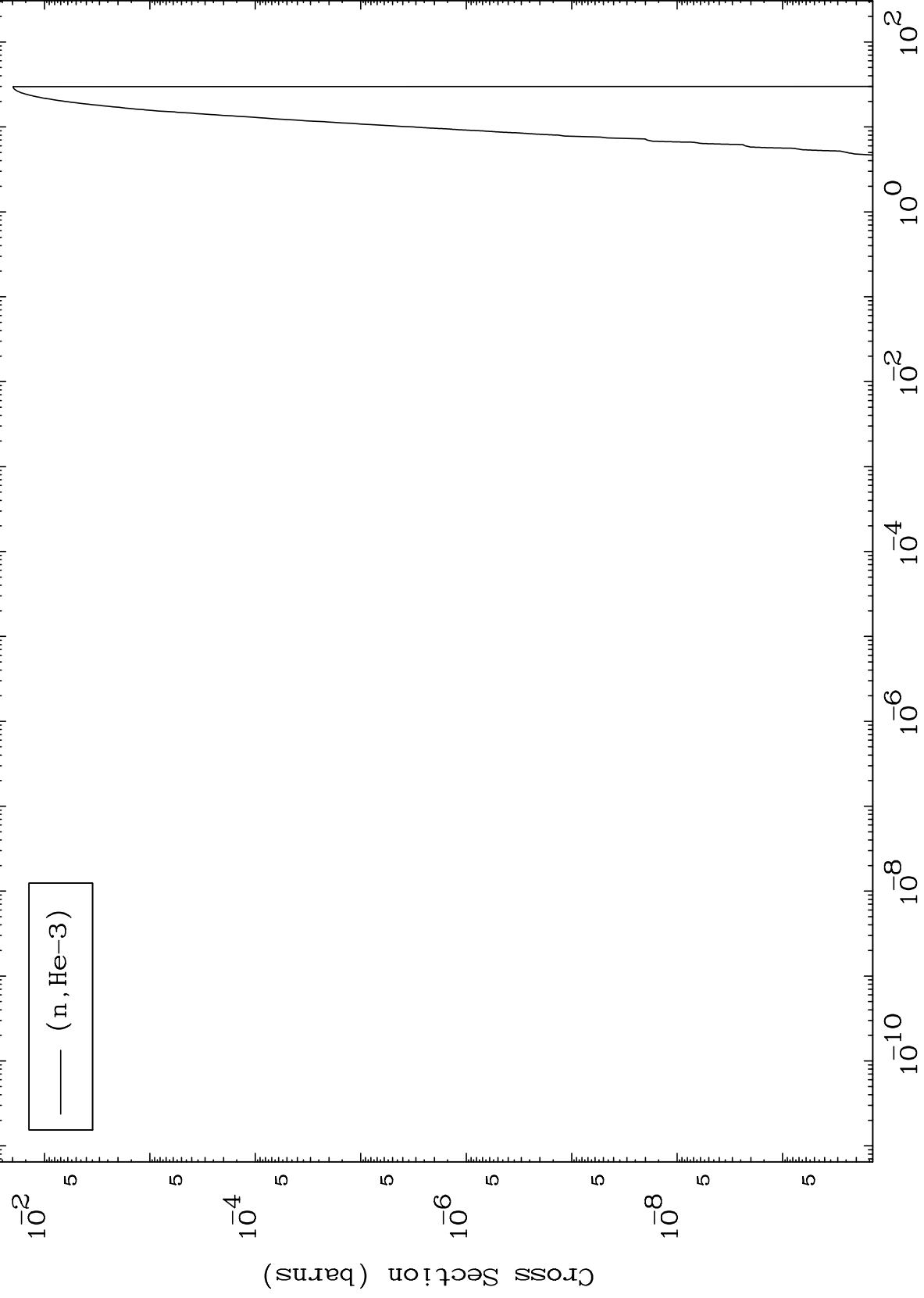
Incident Energy (MeV)

68-Er-147m

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(n,He3) Levels
293 Kelvin Cross Sections

68-Er-147m



13

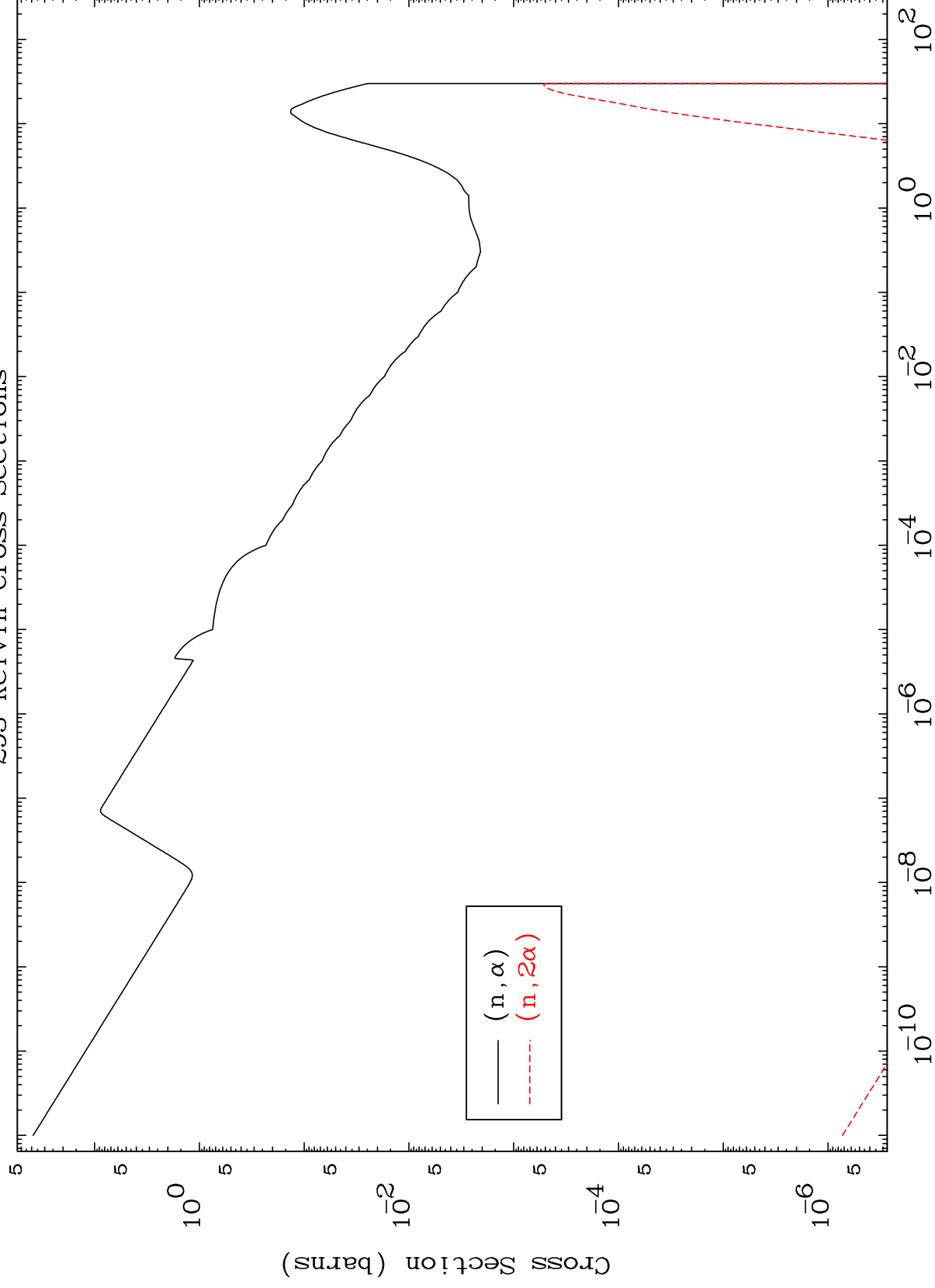
Incident Energy (MeV)

68-Er-147m

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(n, α) Levels
293 Kelvin Cross Sections

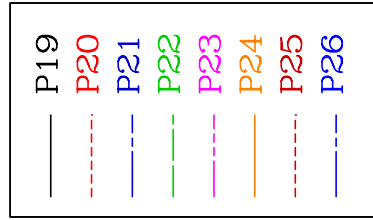
68-Er-147m



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Elastic
Legendre Coefficients

68-Er-147m



$\times 10^{-6}$

Legendre (CM)

3

2

1

0

15

20

25

30

17

Incident Energy (MeV)

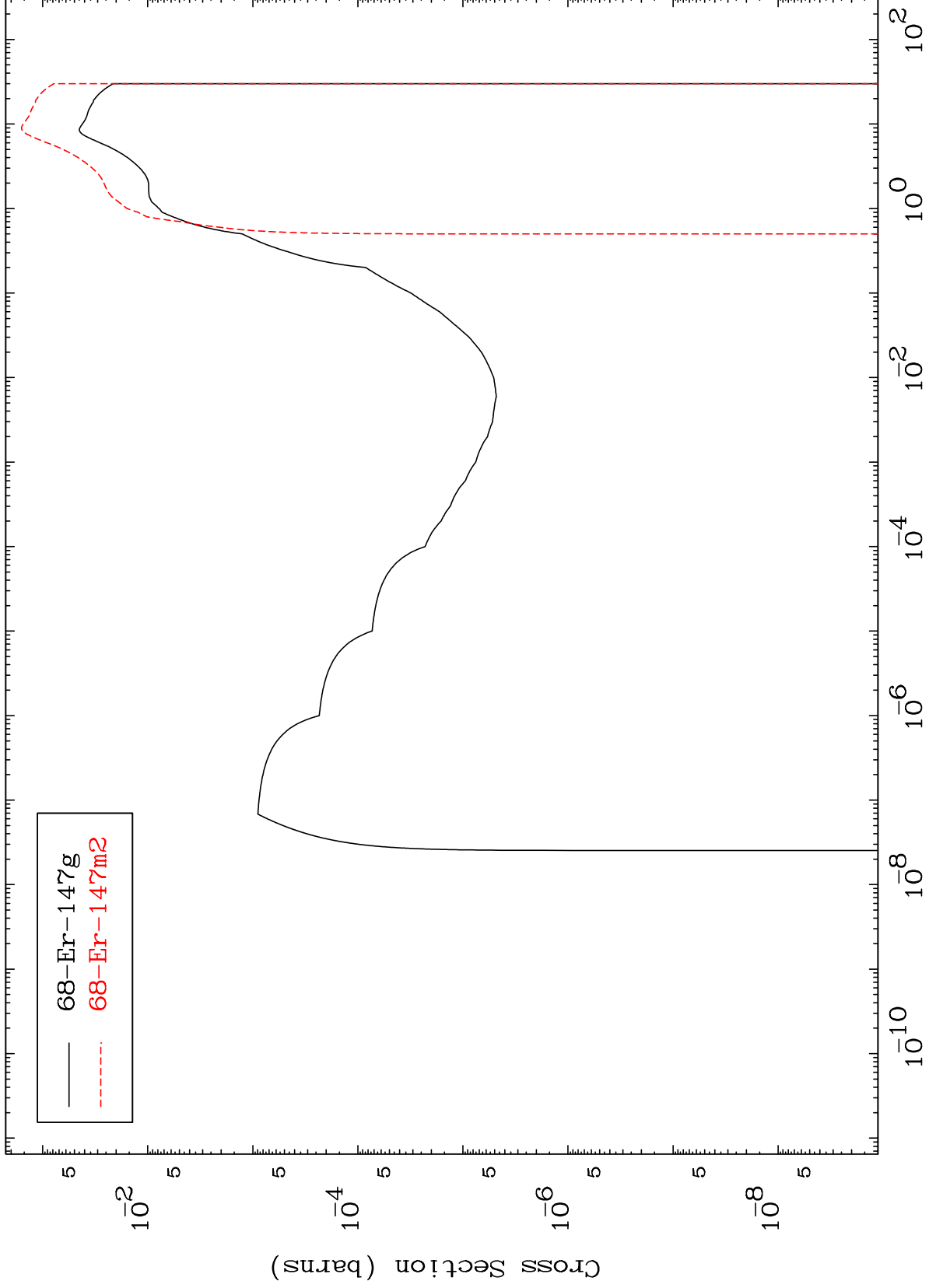
68-Er-147m



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Inelastic
Radionuclide Production Cross Section

68-Er-147m



68-Er-147g
68-Er-147m2

68-Er-147m

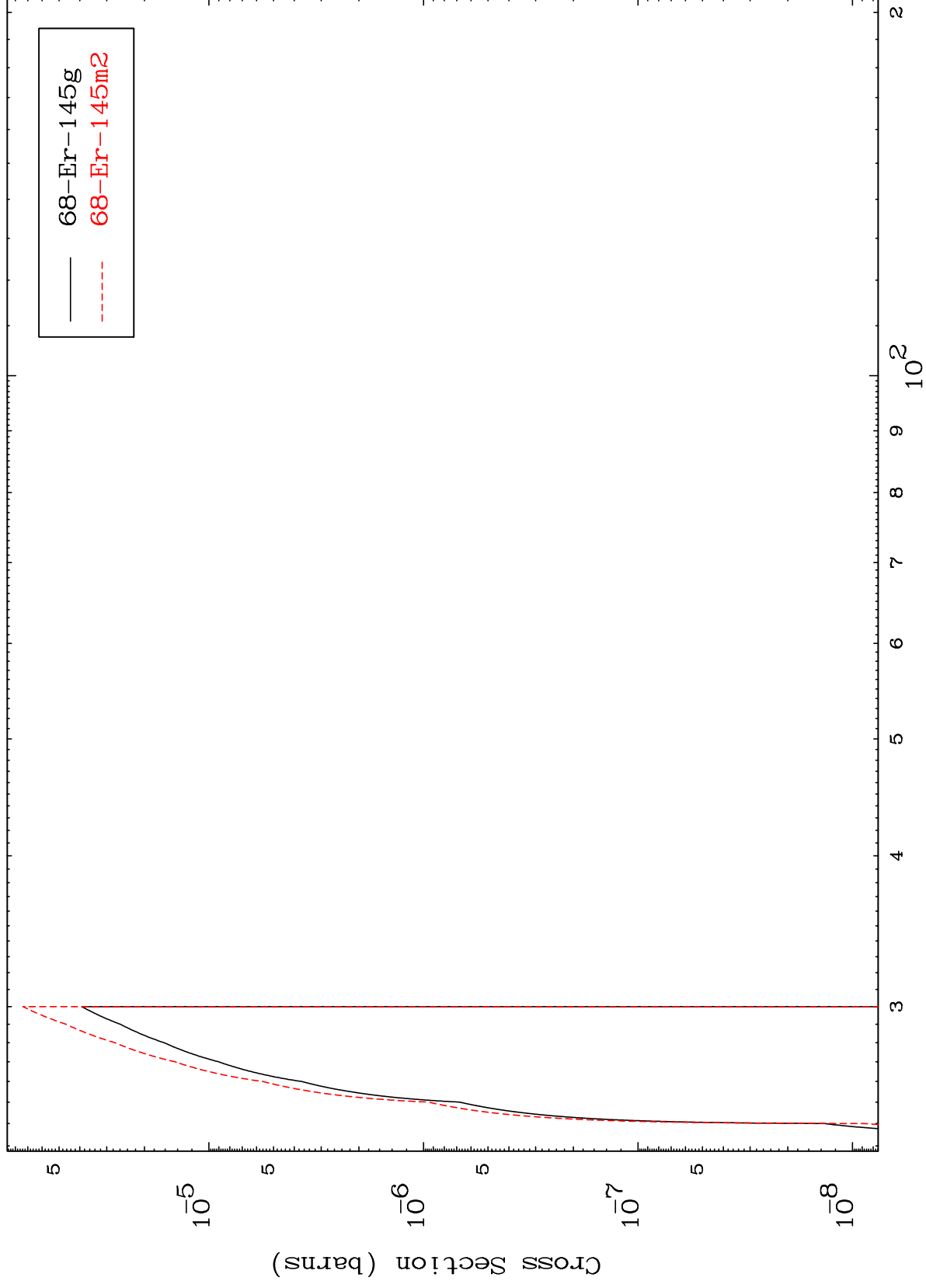
Incident Energy (MeV)

18

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(n,3n)
Radionuclide Production Cross Section



19

Incident Energy (MeV)

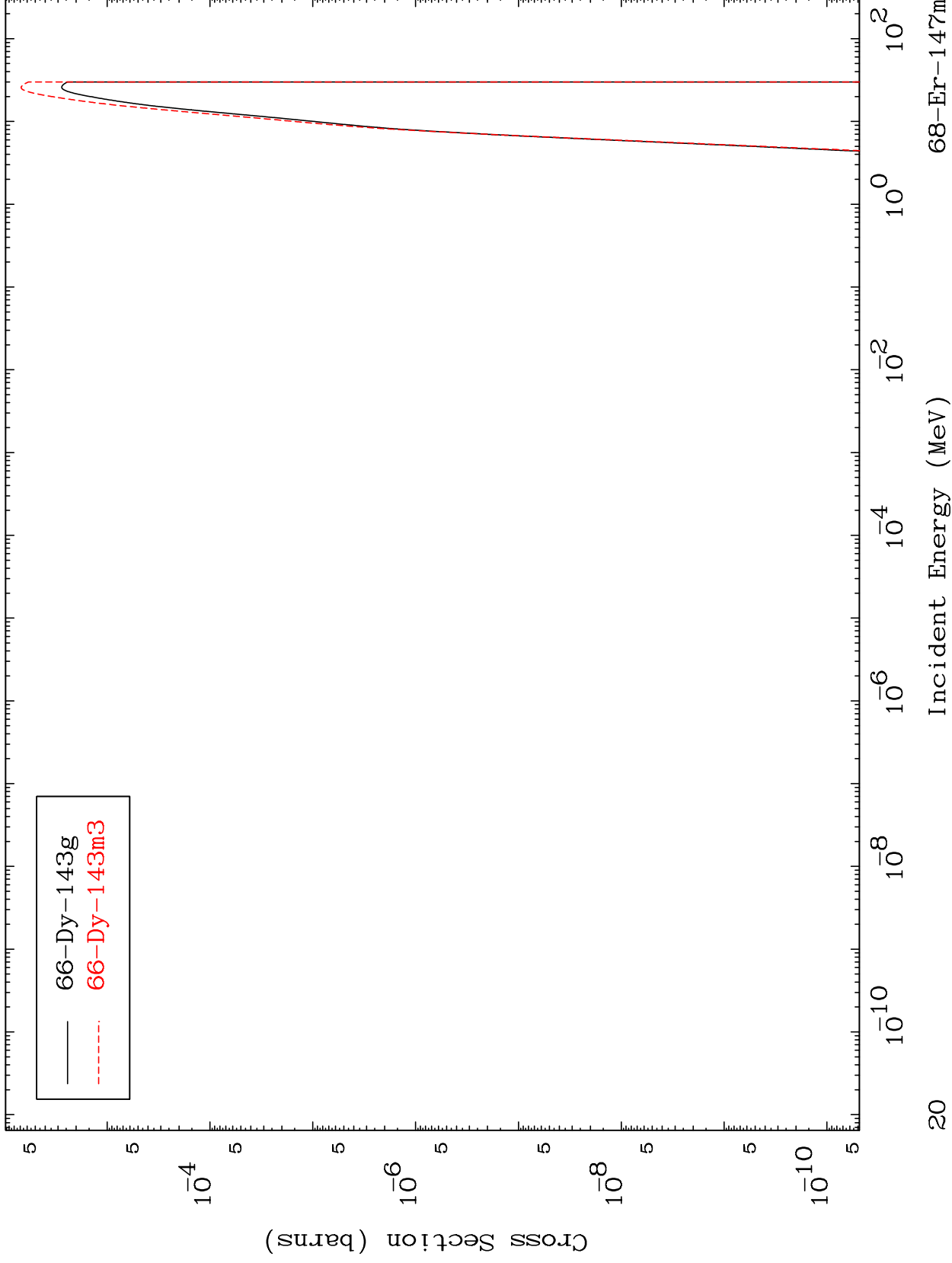
68-Er-147m

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$(n, n') \alpha$

68-Er-147m

Radionuclide Production Cross Section

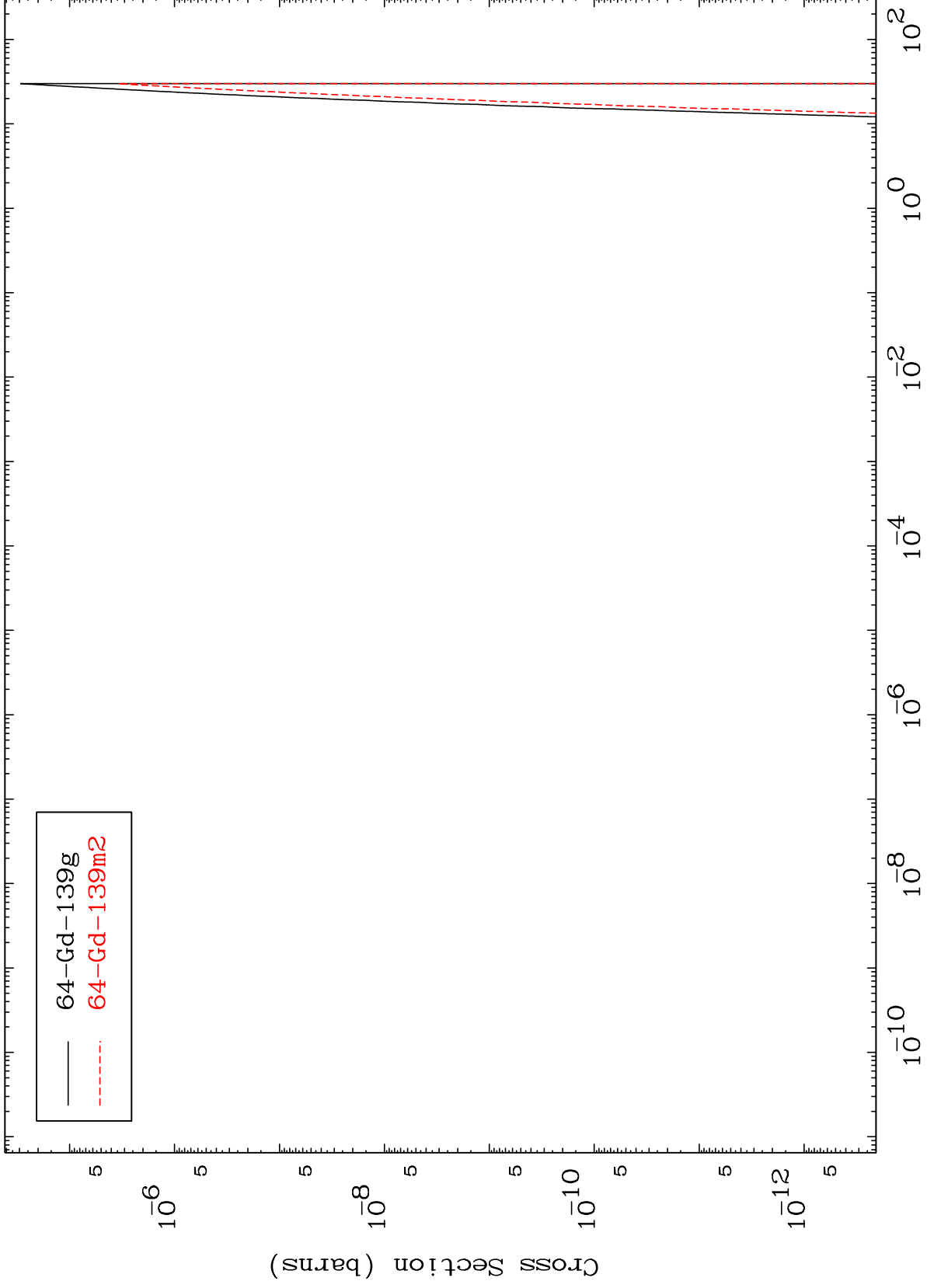


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(n,n') 2 α

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Radionuclide Production Cross Section

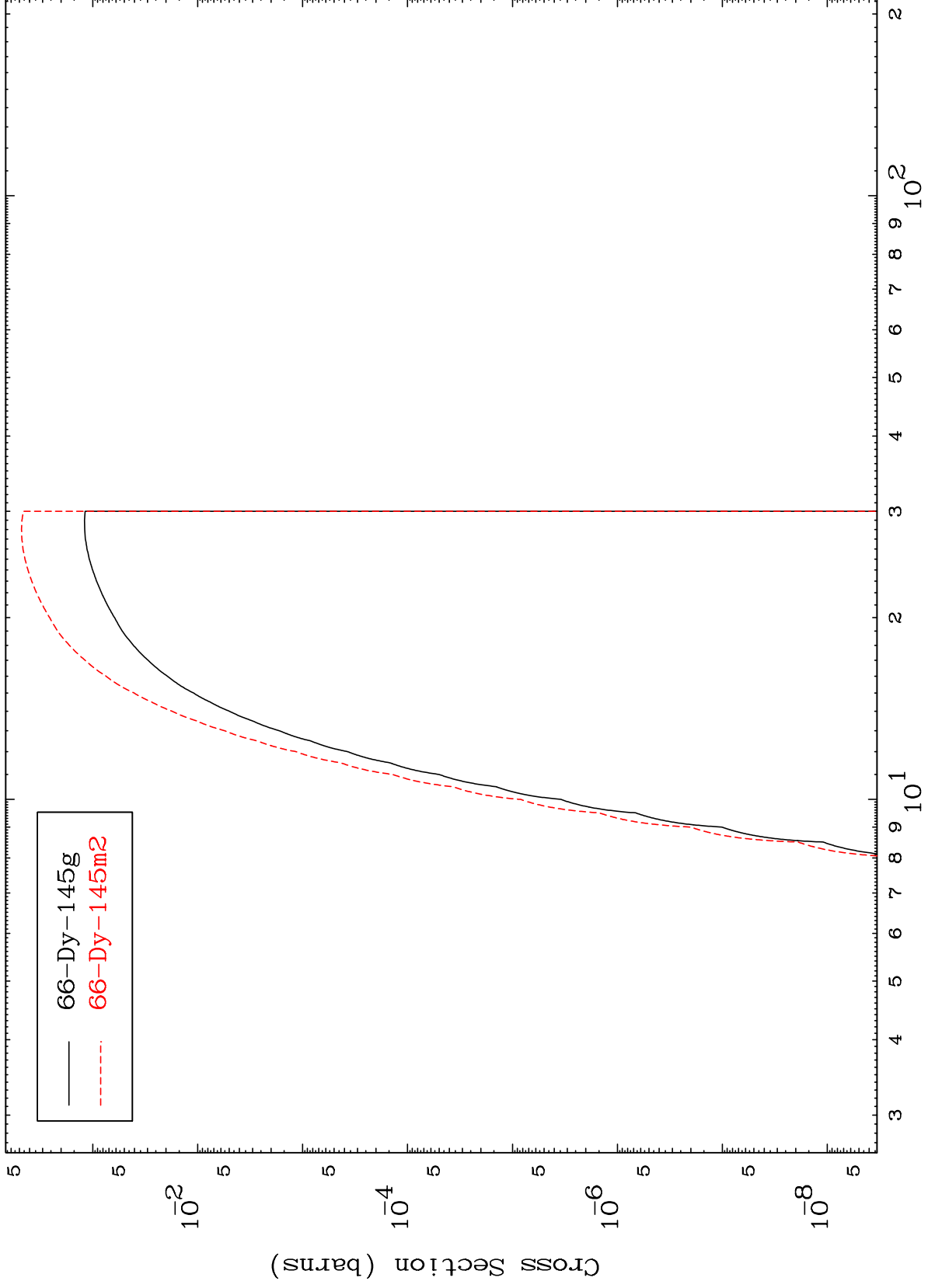


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(n,2n) p

68-Er-147m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

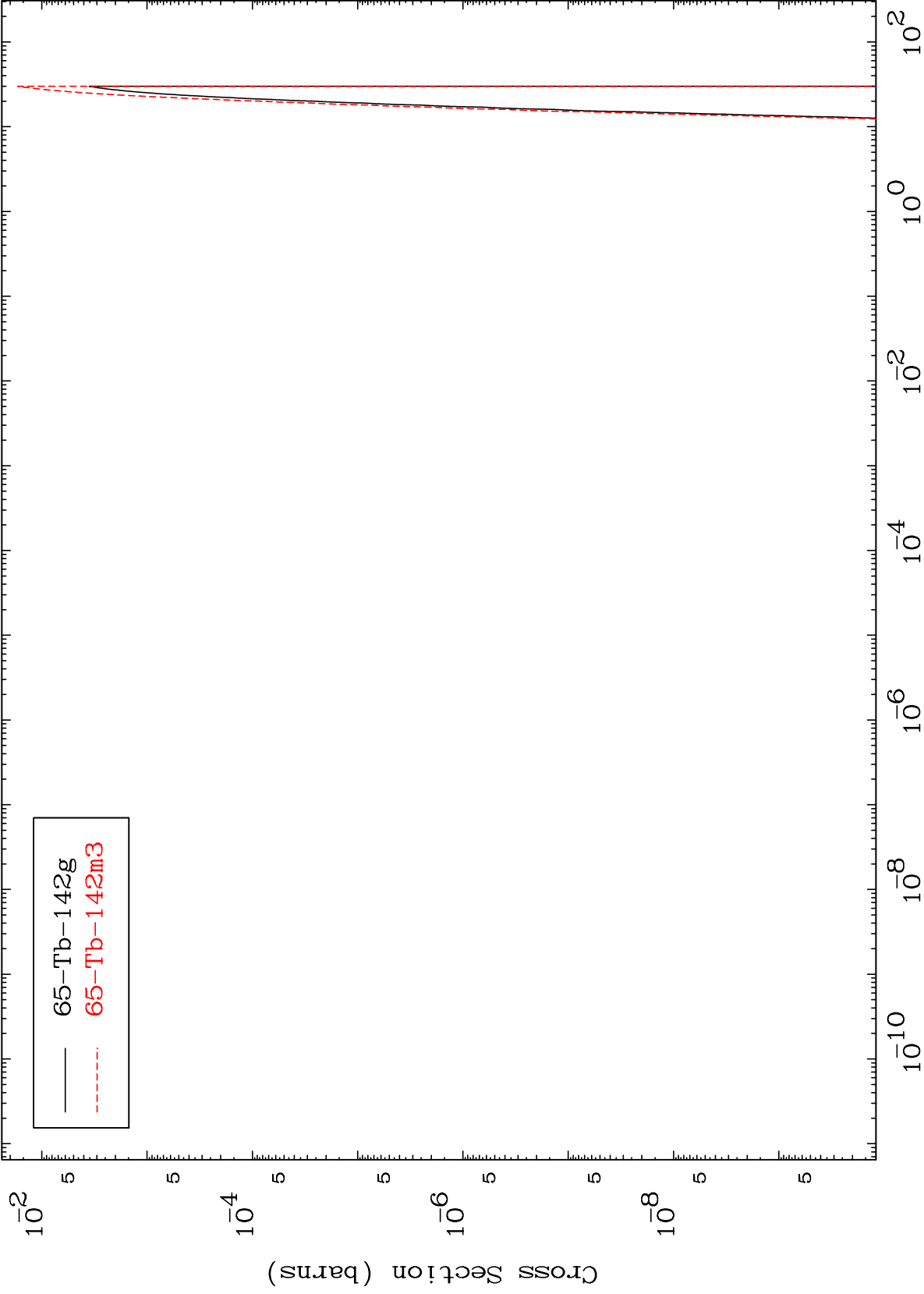
68-Er-147m

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(n,n') p α

68-Er-147m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

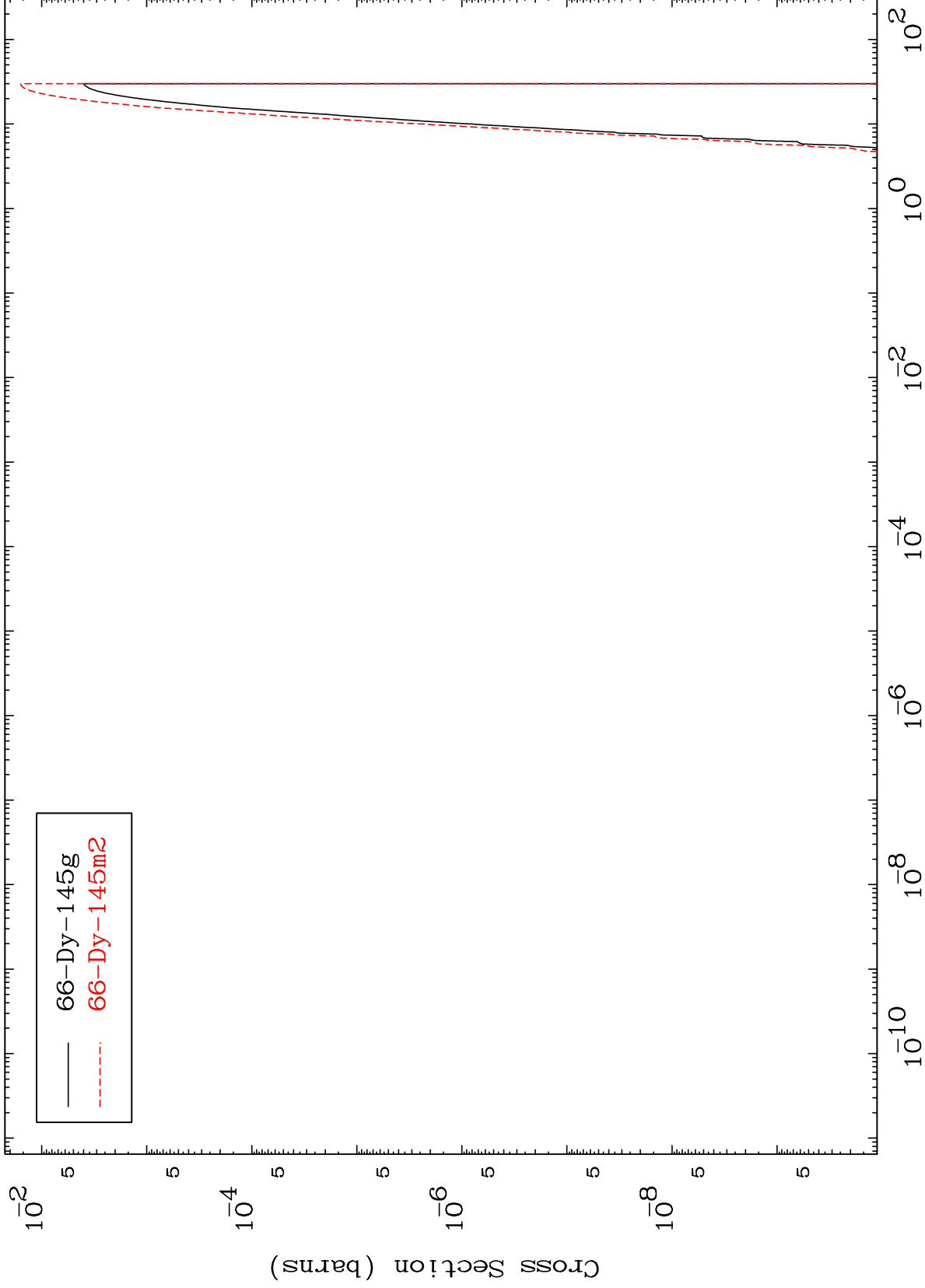
68-Er-147m

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(n,He-3)

68-Er-147m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

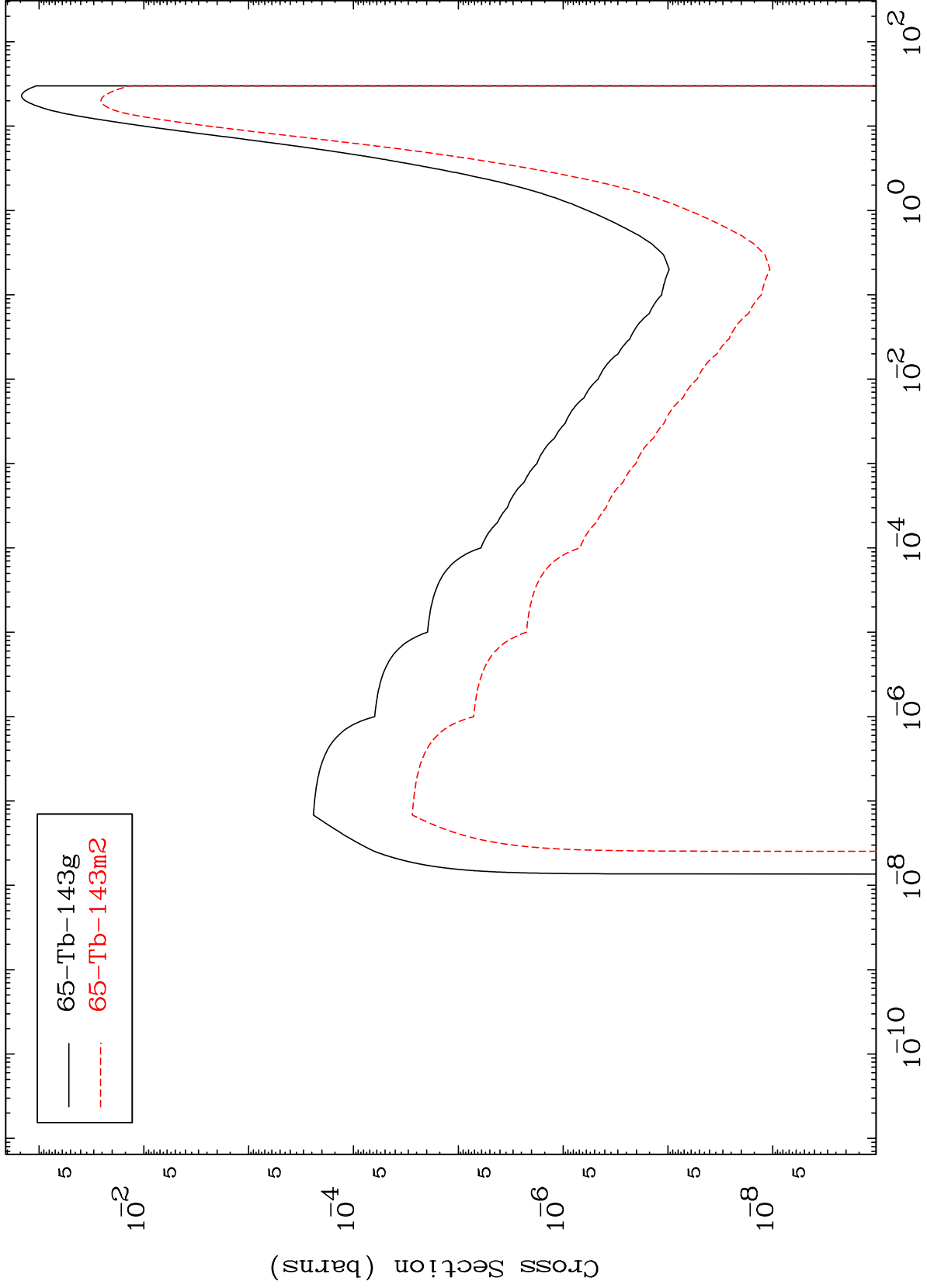
68-Er-147m

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(n,p) α

68-Er-147m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

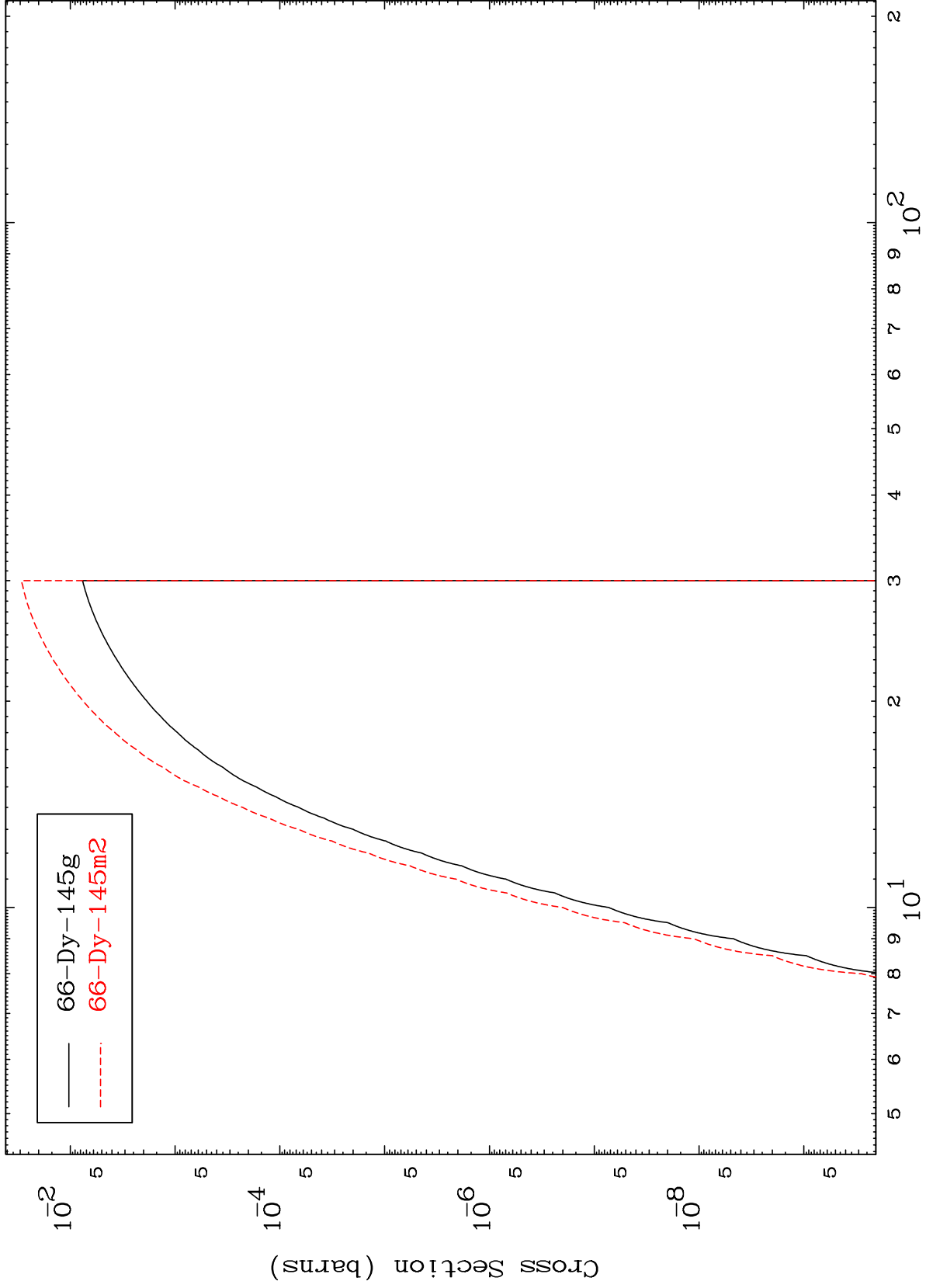
68-Er-147m

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(n,p) d

68-Er-147m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

68-Er-147m

MAT 6781

(n,d) α

68-Er-147m

Radionuclide Production Cross Section

