

Program EVALPLOT
(Version 2021-1)

by

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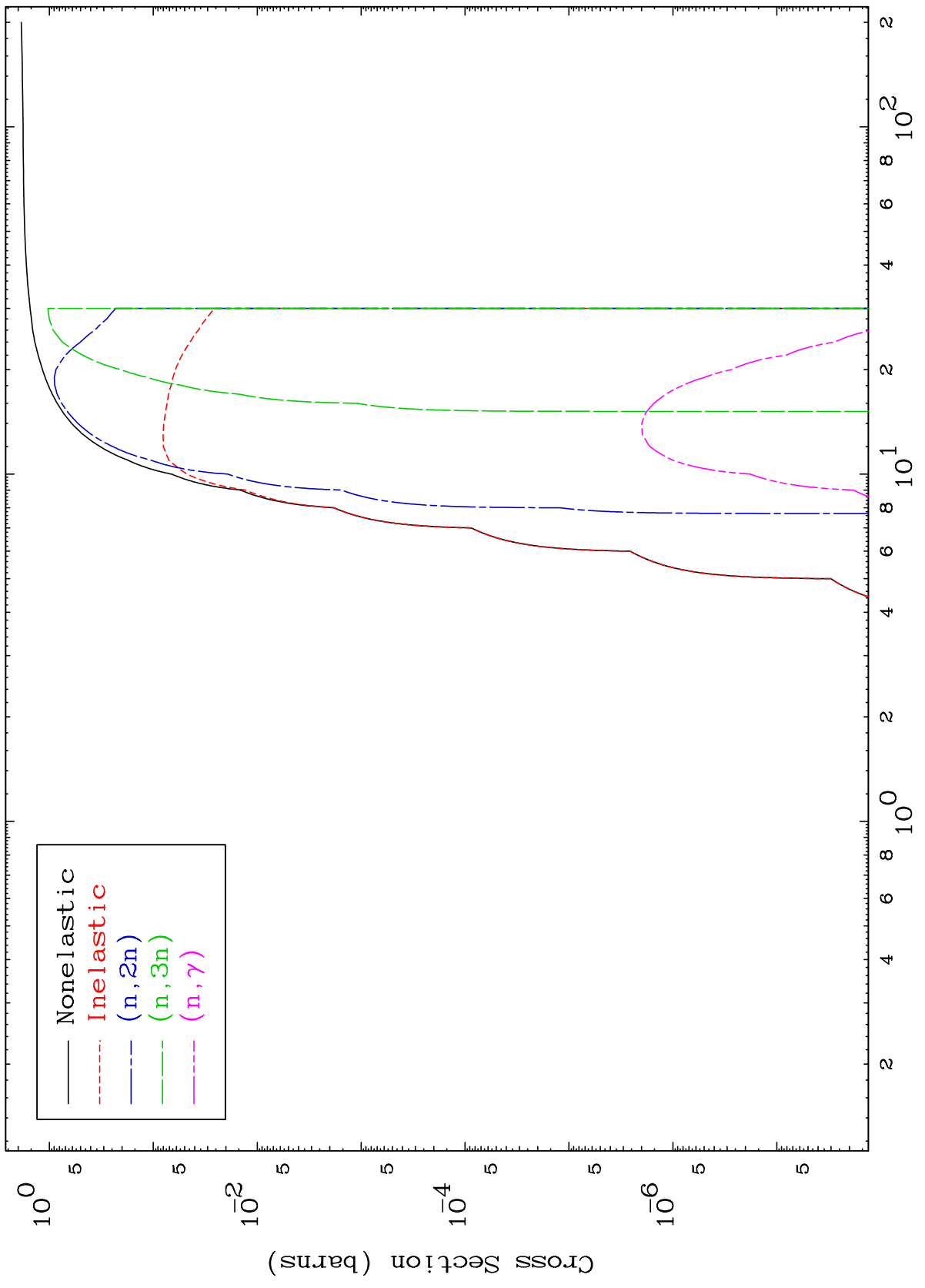
Press Mouse Button to Start

MAT 3453

α Major

34-Se-83m

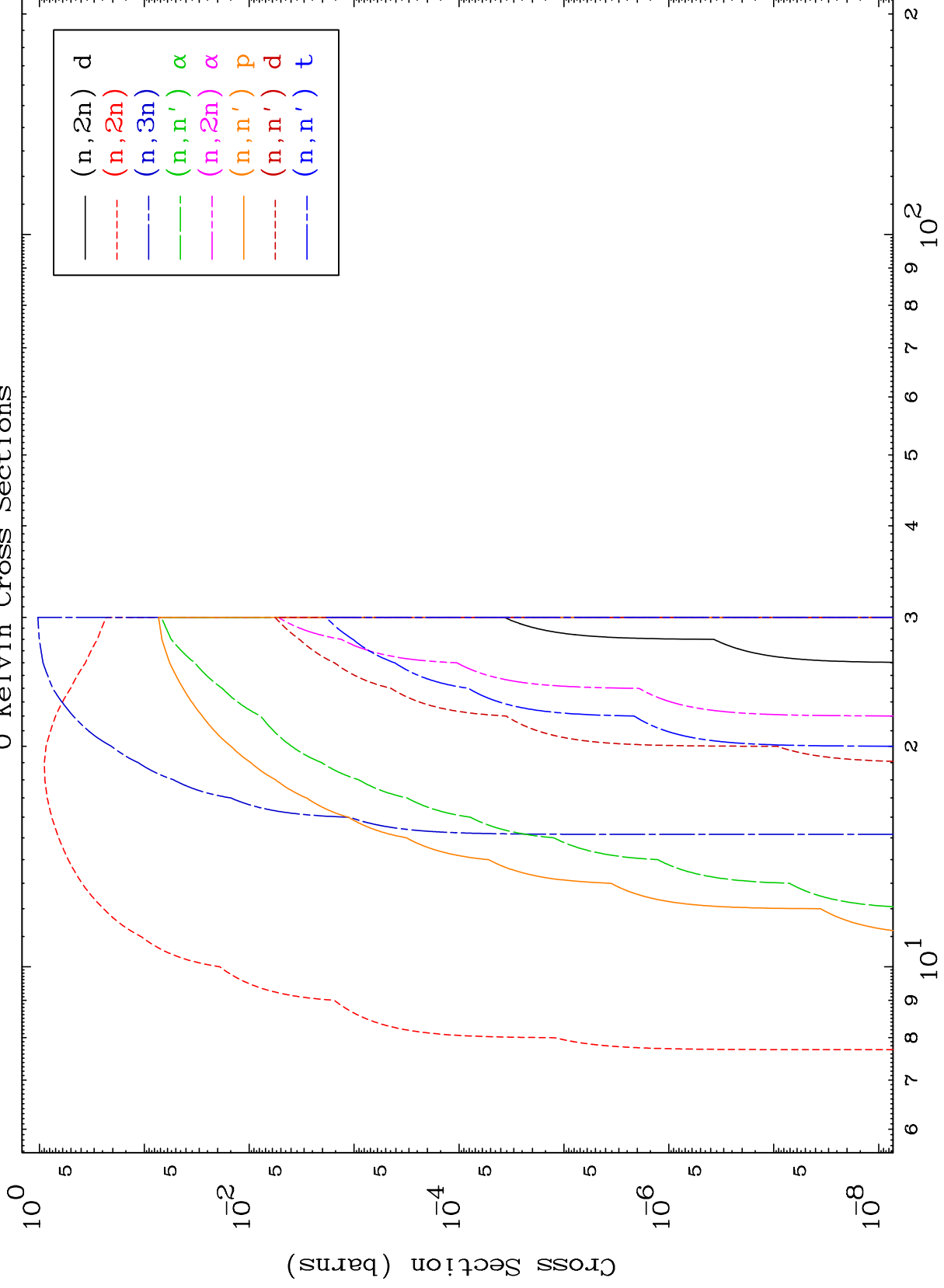
0 Kelvin Cross Sections



MAT 3453

α Neutron Absorption
0 Kelvin Cross Sections

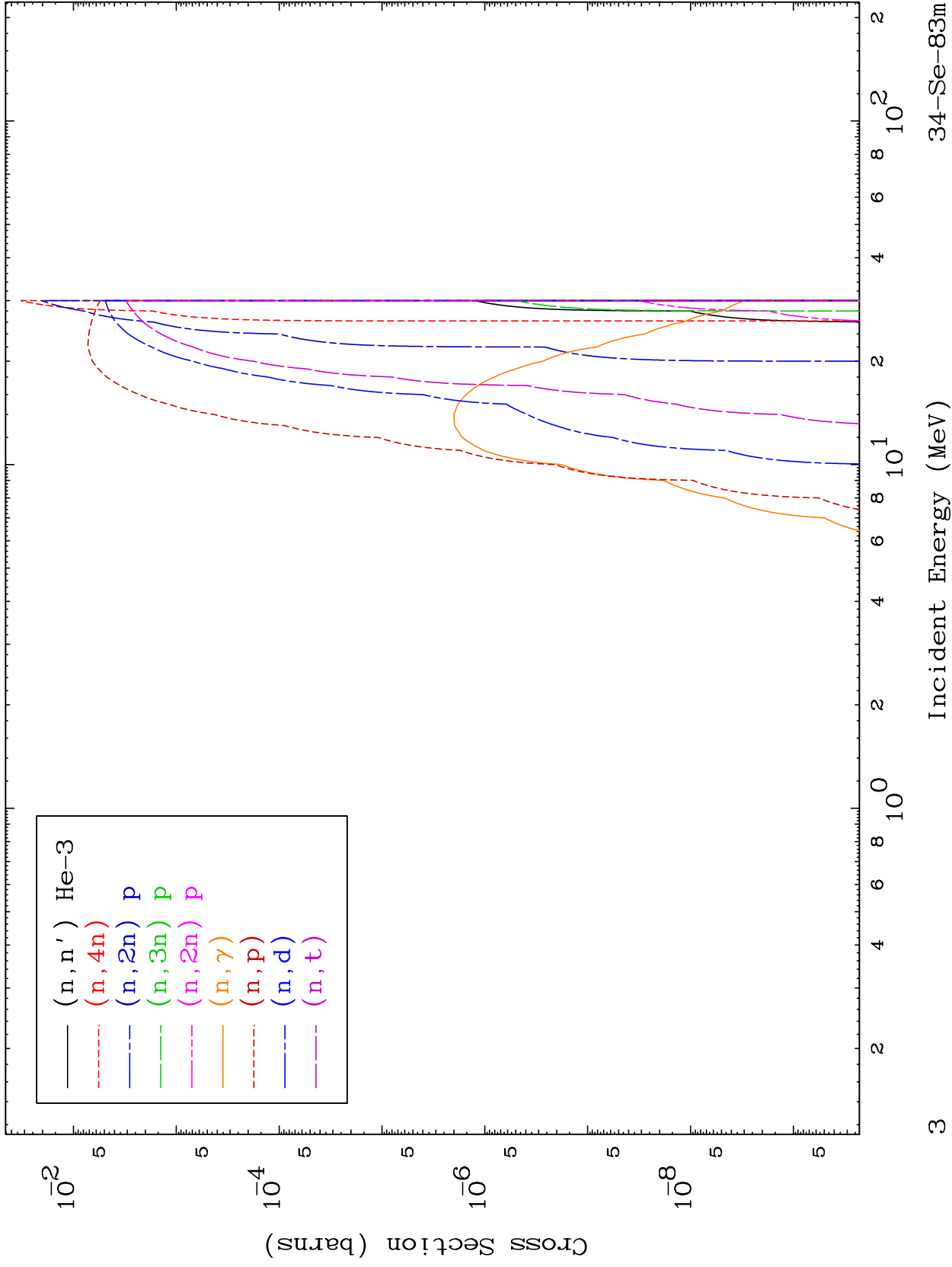
34-Se-83m



2

Incident Energy (MeV)

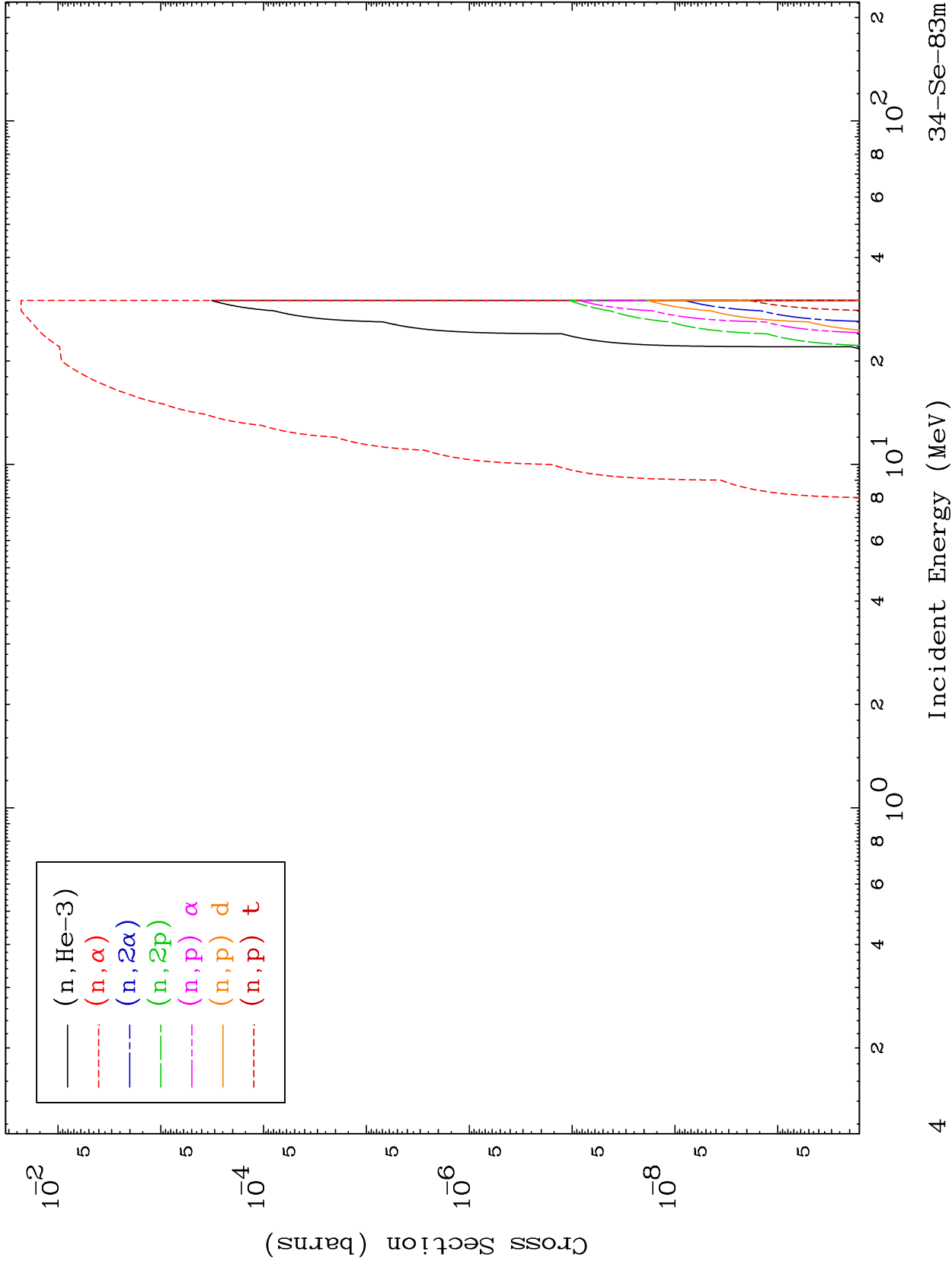
34-Se-83m

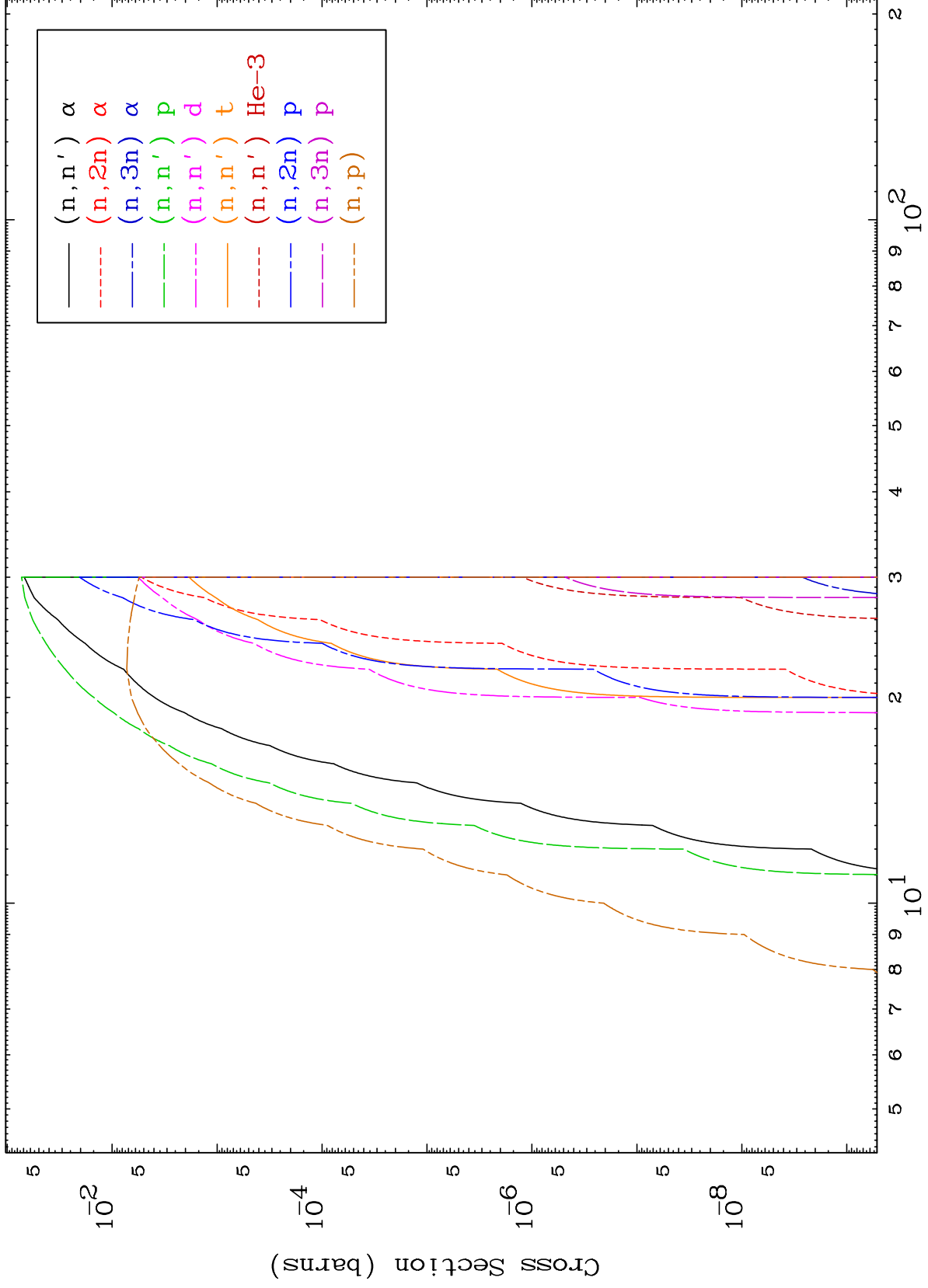


MAT 3453

α Neutron Absorption
0 Kelvin Cross Sections

34-Se-83m

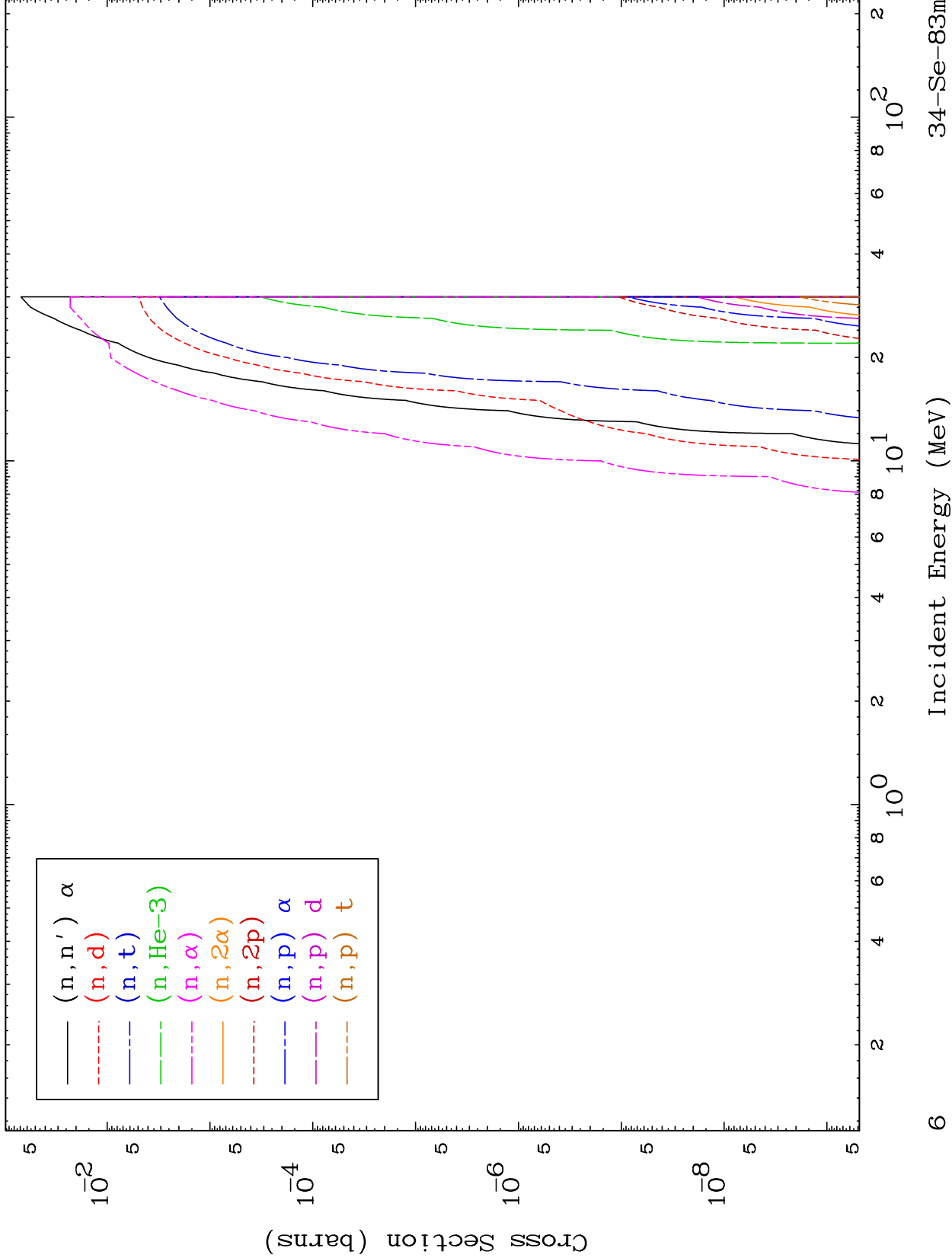




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α Charged Particle
0 Kelvin Cross Sections

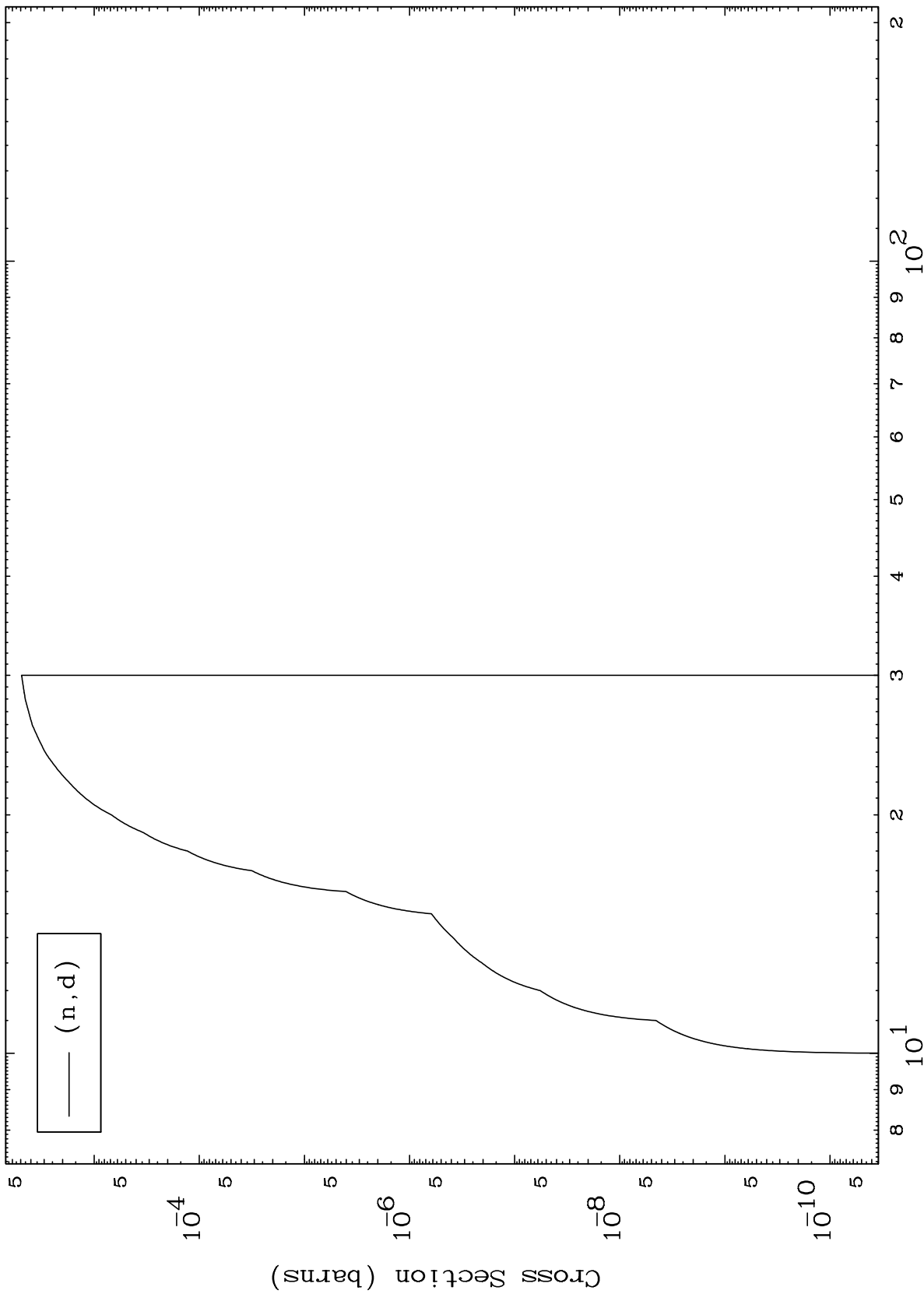
34-Se-83m



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(α, d) Levels
0 Kelvin Cross Sections

³⁴Se-83m



8

Incident Energy (MeV)

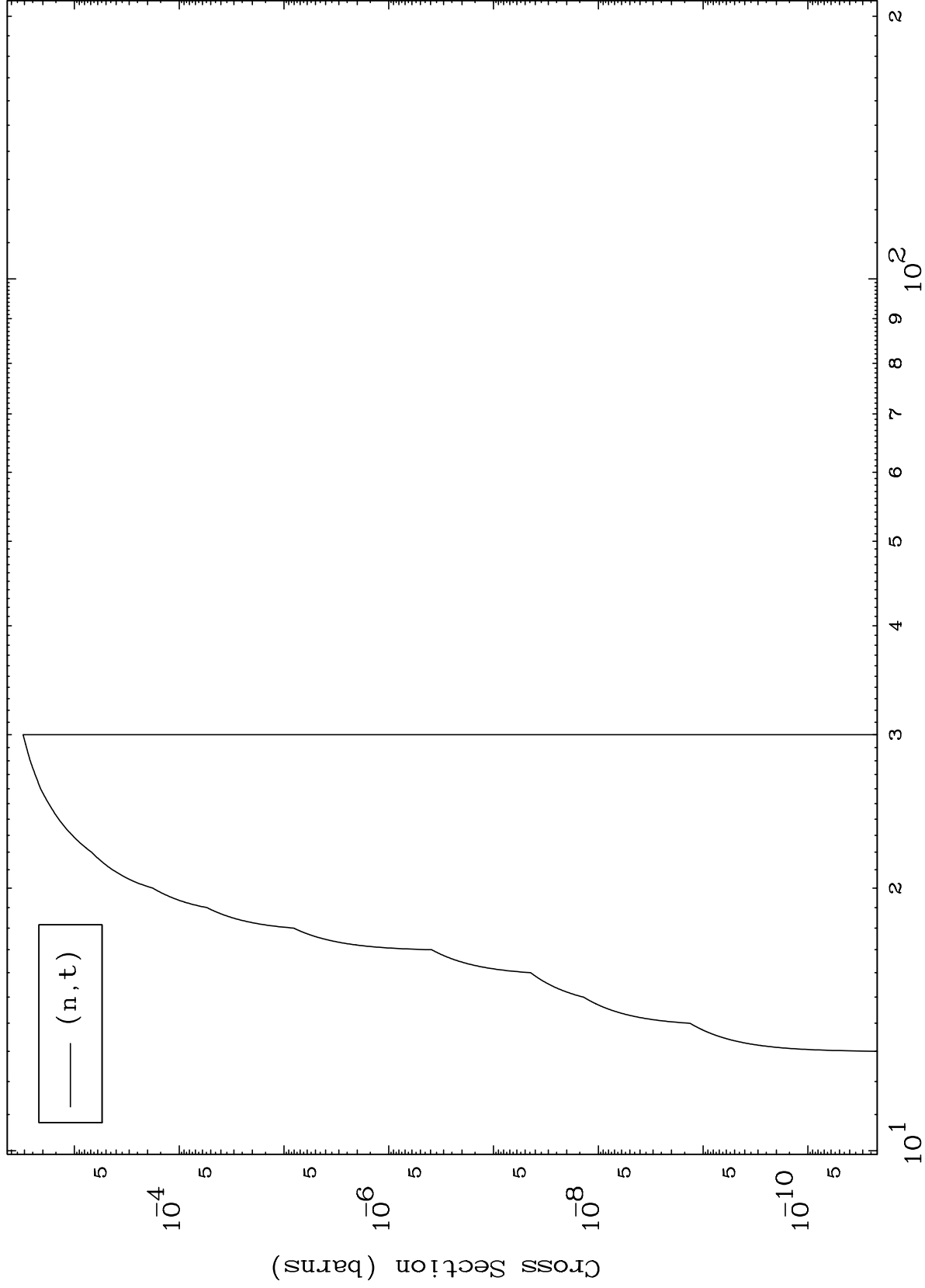
³⁴Se-83m

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(α, t) Levels

$^{34}\text{Se-83m}$

0 Kelvin Cross Sections



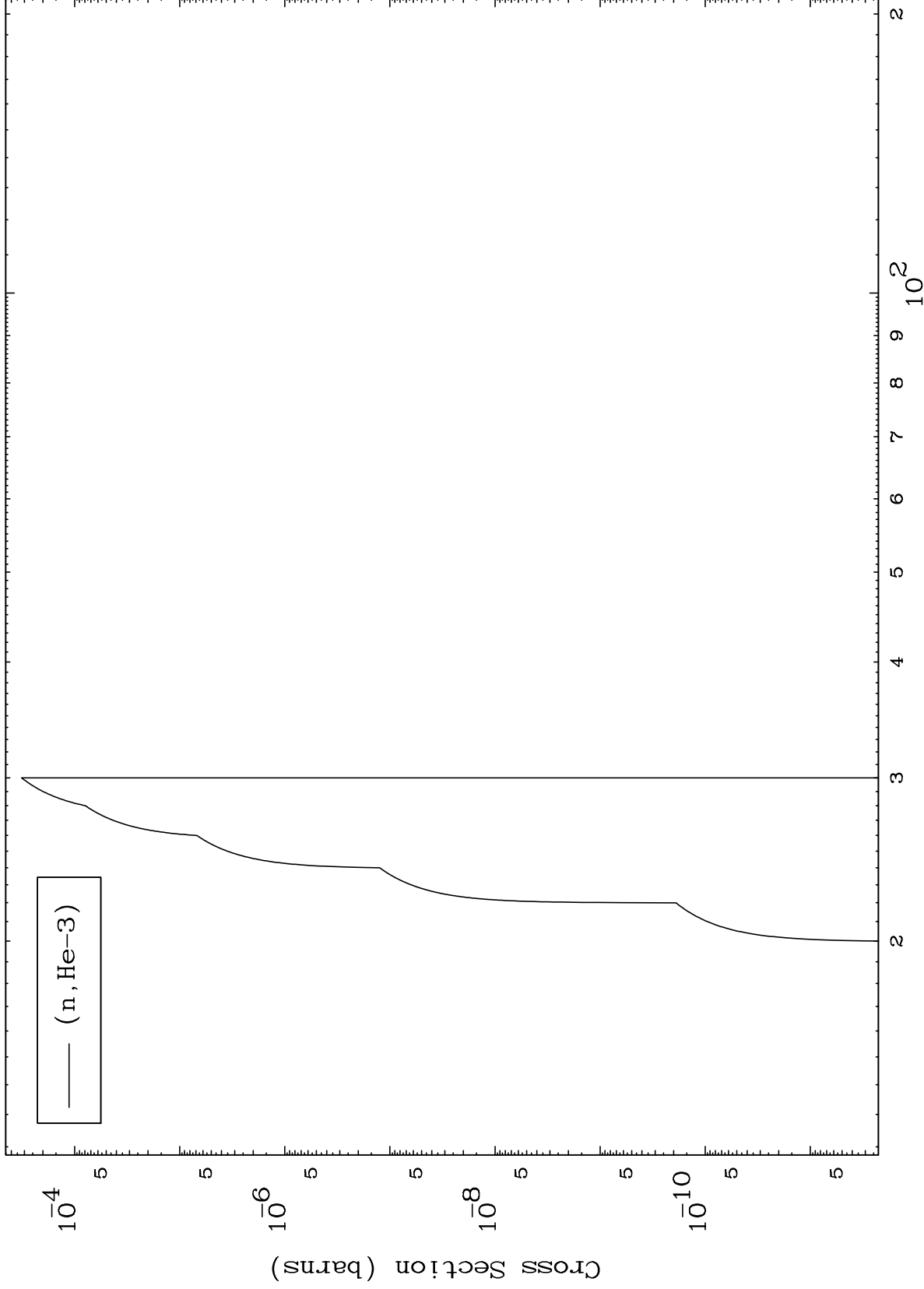
Incident Energy (MeV)

$^{34}\text{Se-83m}$

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

34-Se-83m



10

Incident Energy (MeV)

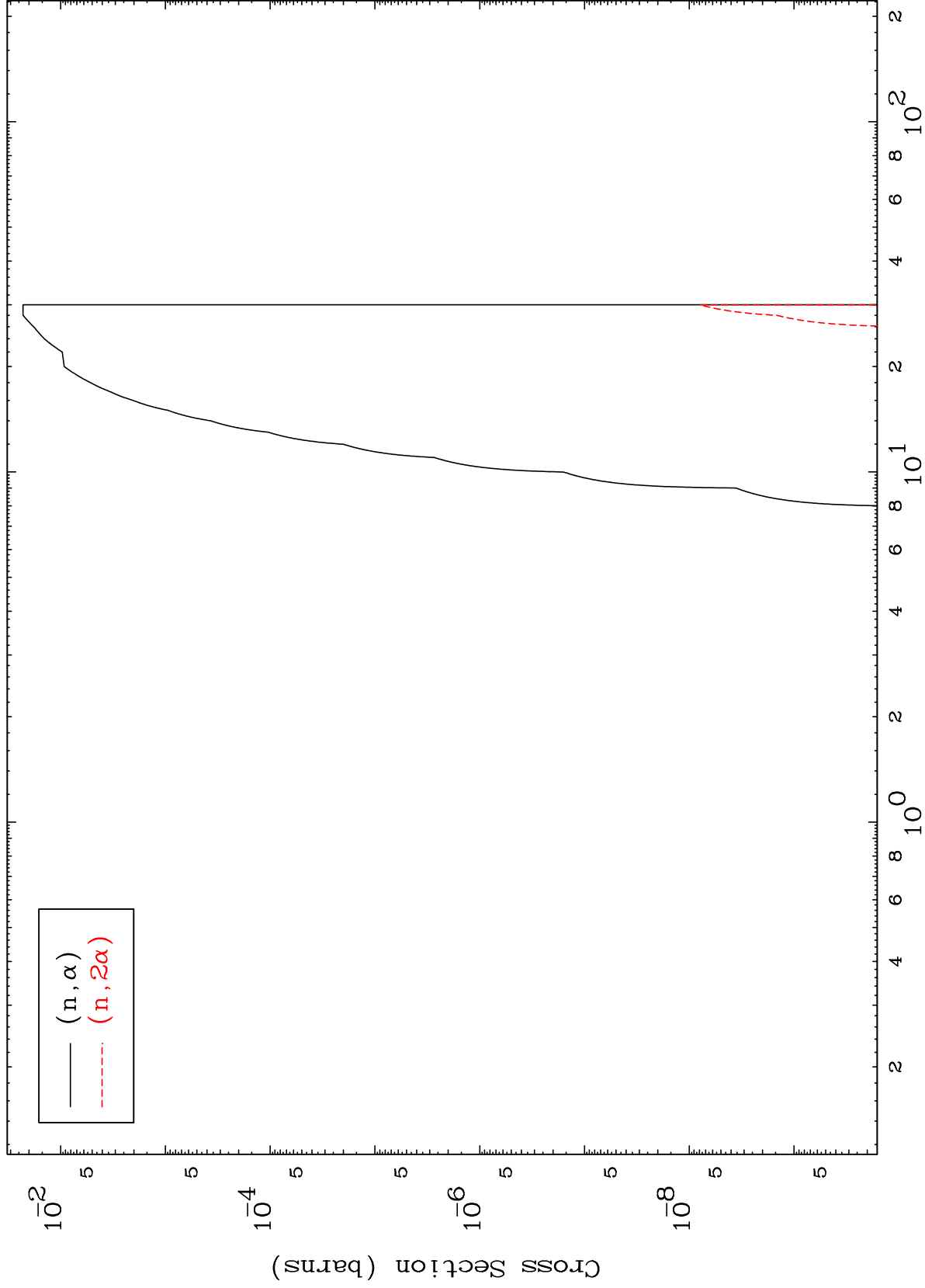
34-Se-83m

MAT 3453

(α, α) Levels

34-Se-83m

0 Kelvin Cross Sections

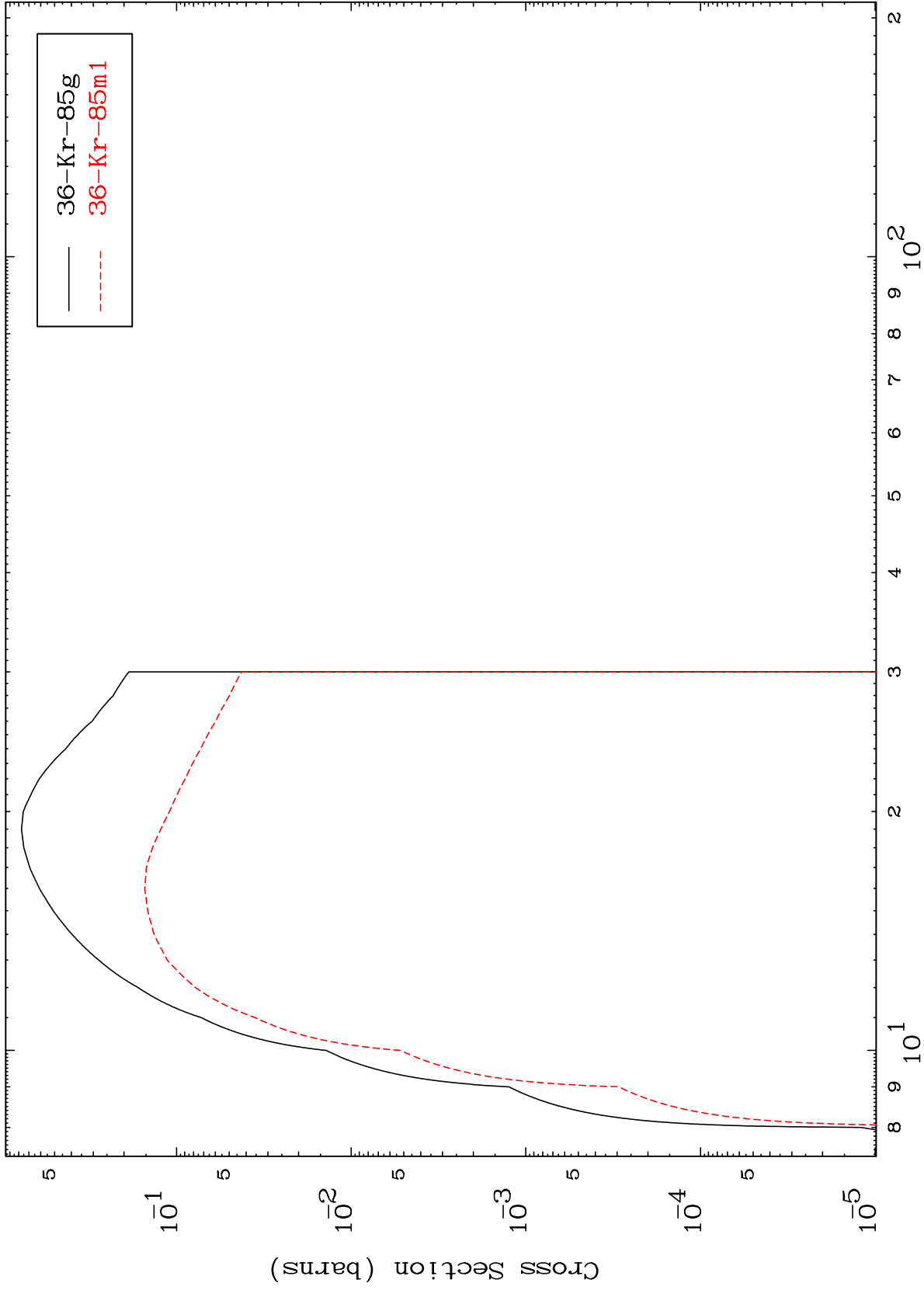


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(n,2n)

34-Se-83m

Radionuclide Production Cross Section



12

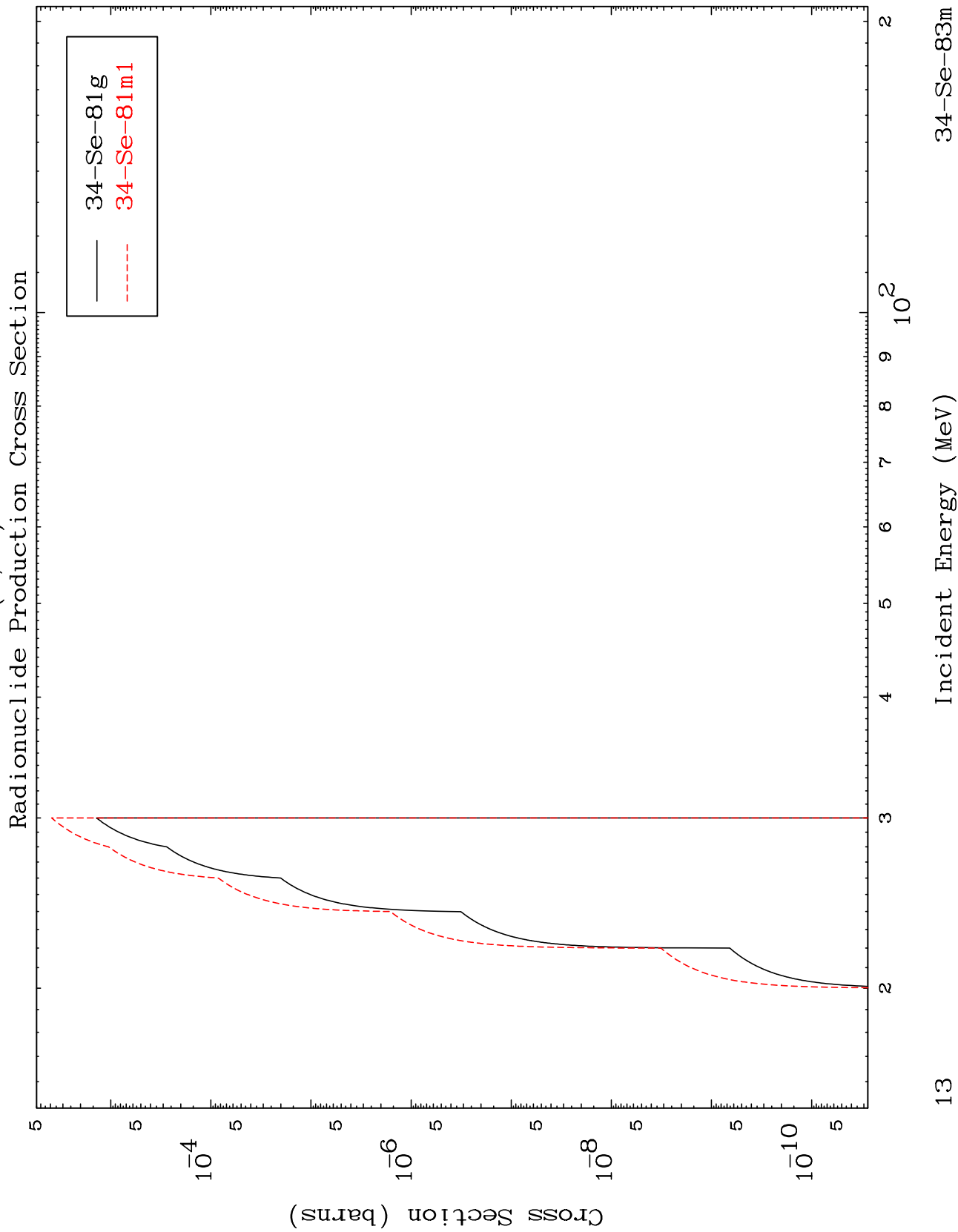
Incident Energy (MeV)

34-Se-83m

MAT 3453

$(n,2n) \alpha$

$^{34}\text{Se-83m}$



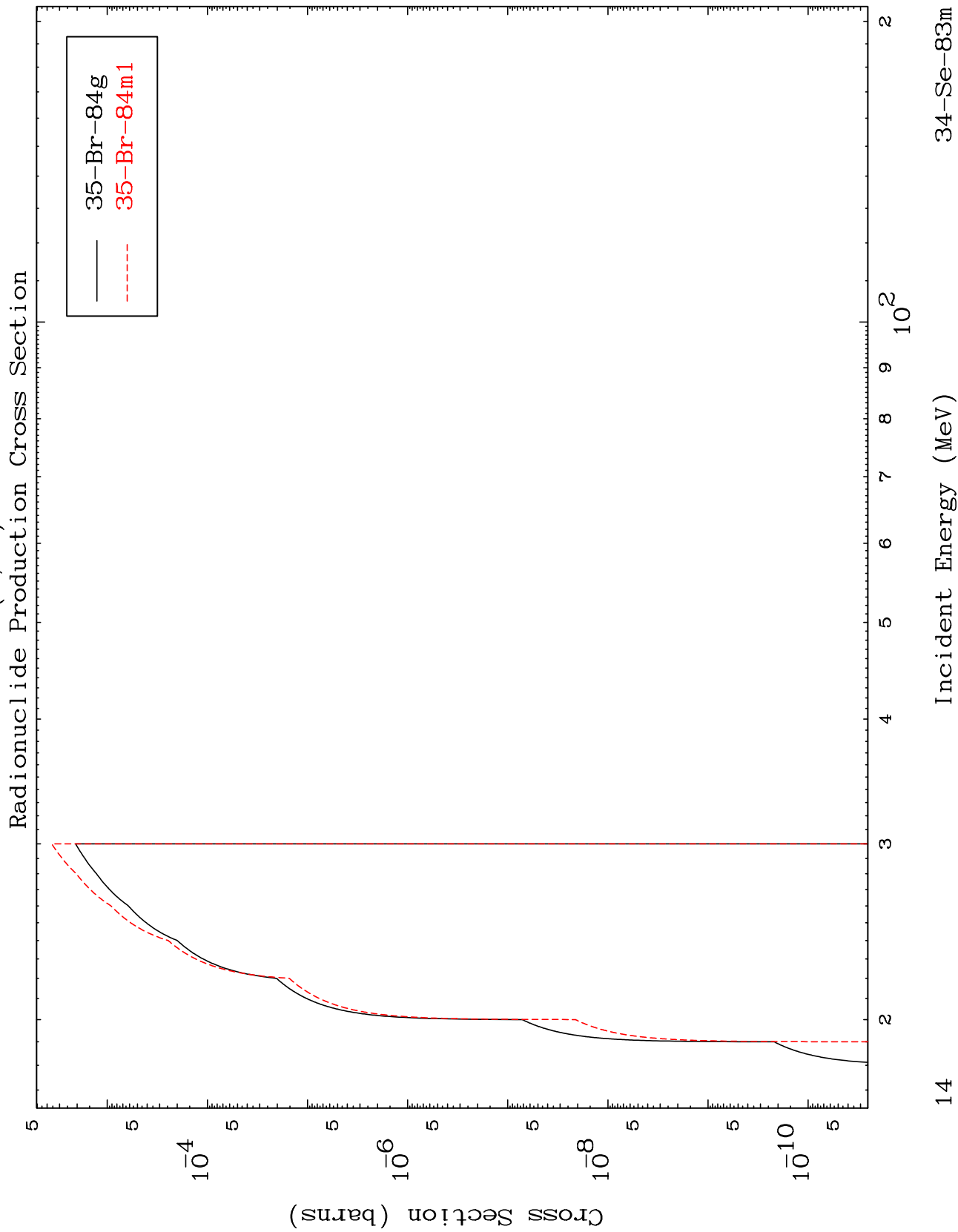
13

$^{34}\text{Se-83m}$

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(n,n') d

³⁴Se-83m



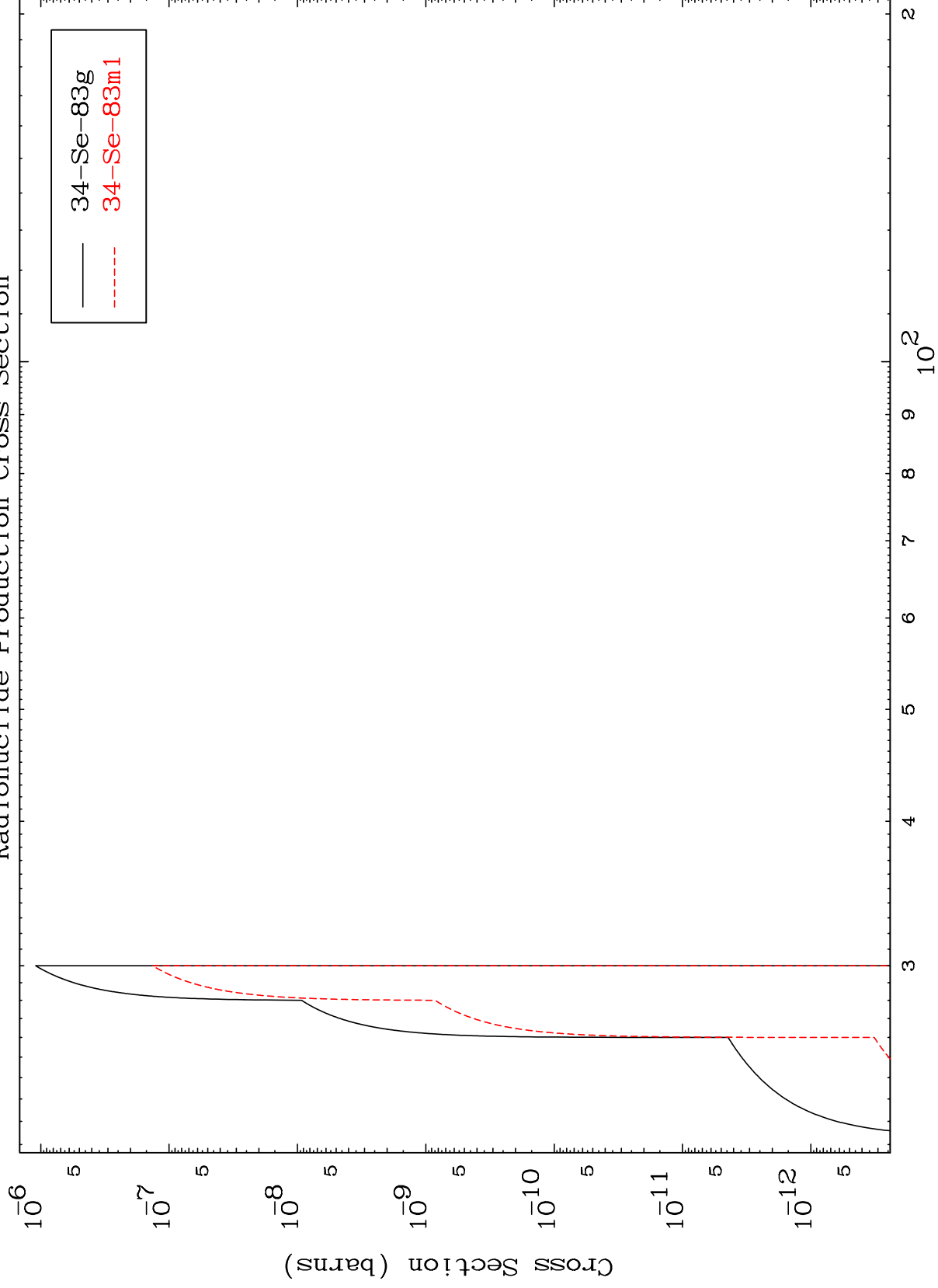
14

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(n,n') He-3

³⁴Se-83m

Radionuclide Production Cross Section



15

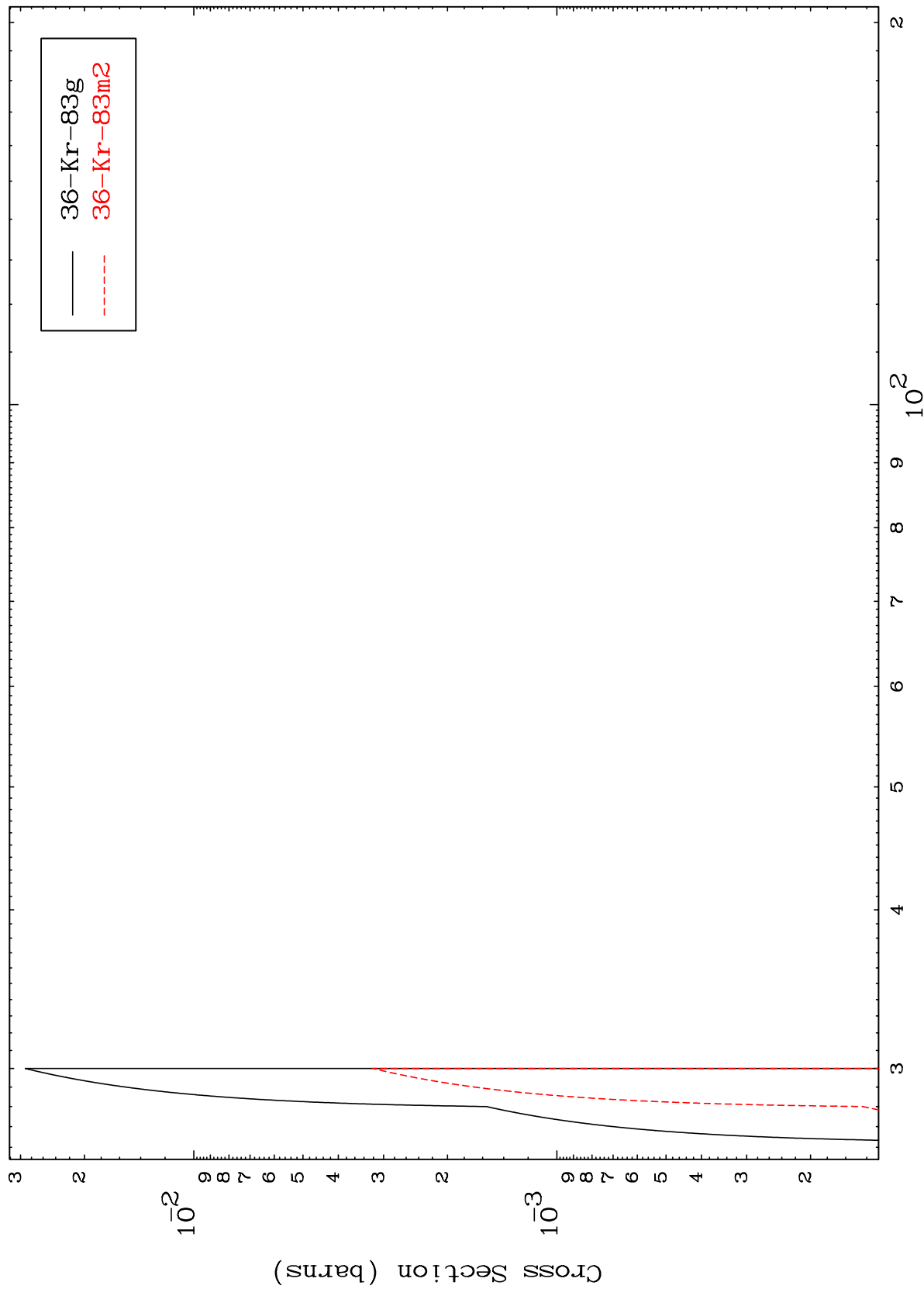
Incident Energy (MeV)

³⁴Se-83m

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³⁴Se-83m

(n,4n)
Radionuclide Production Cross Section



36-Kr-83g
36-Kr-83m2

³⁴Se-83m

Incident Energy (MeV)

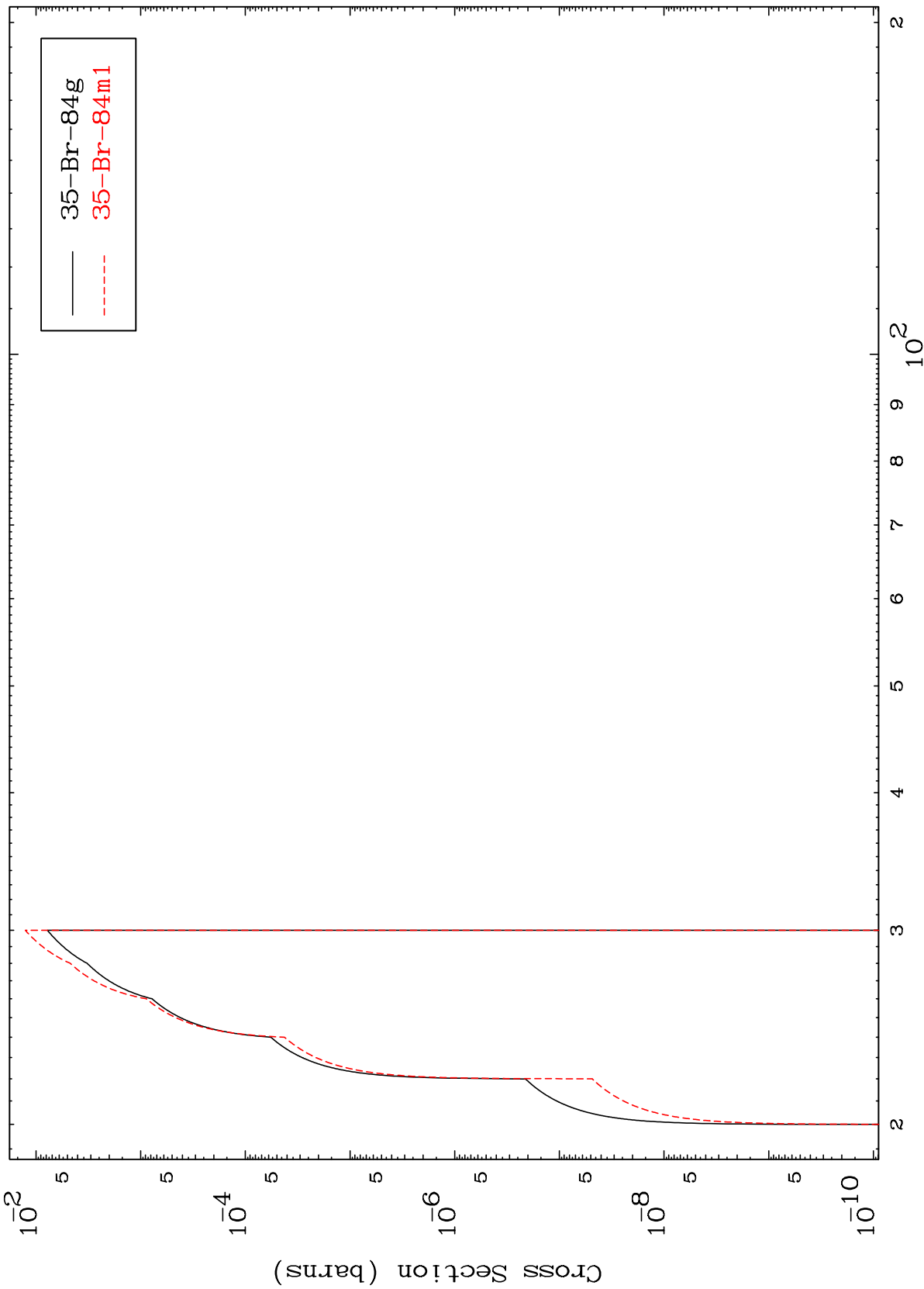
16

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(n,2n) p

34-Se-83m

Radionuclide Production Cross Section



17

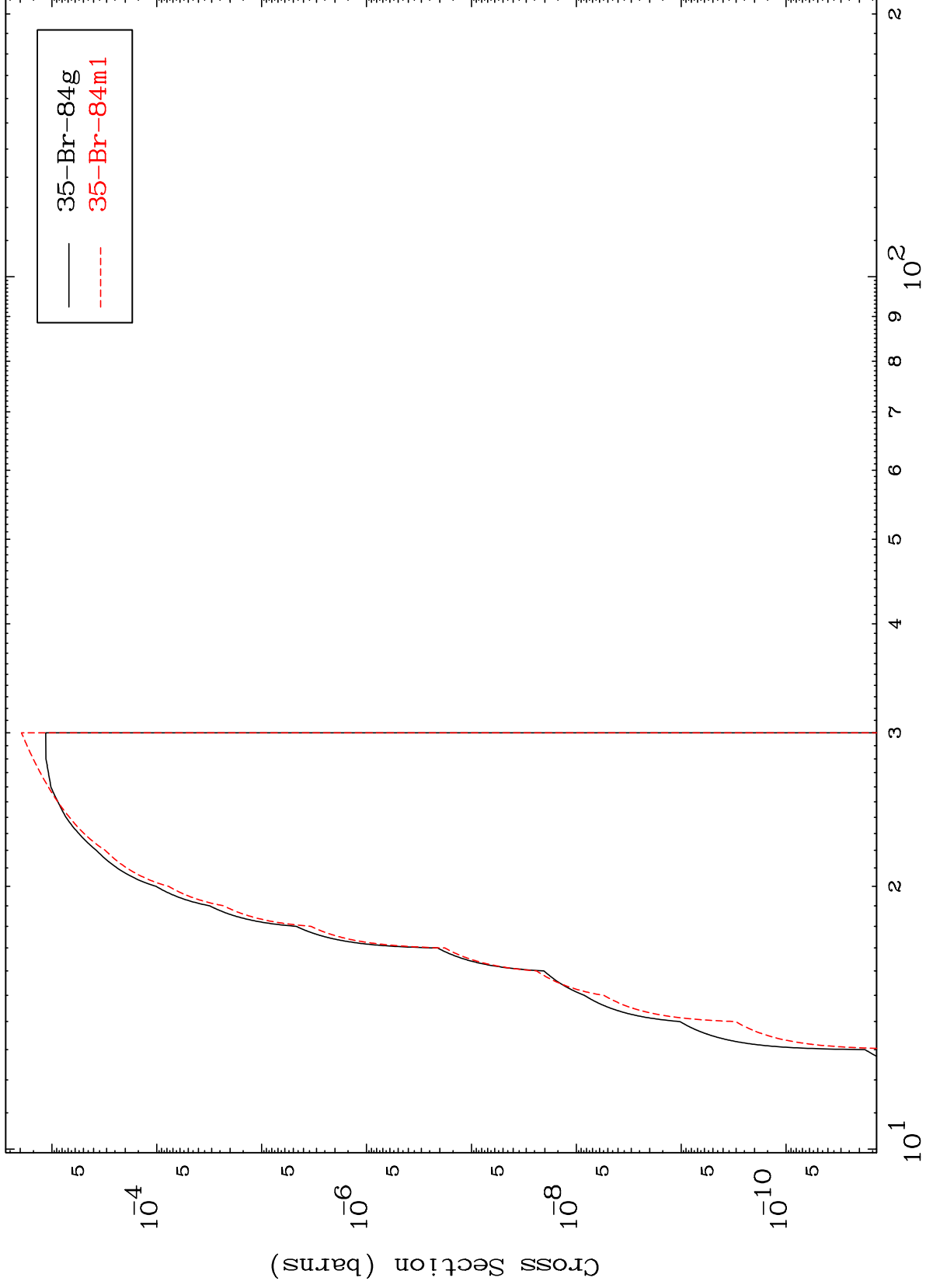
Incident Energy (MeV)

34-Se-83m

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34-Se-83m

(n,t)
Radionuclide Production Cross Section



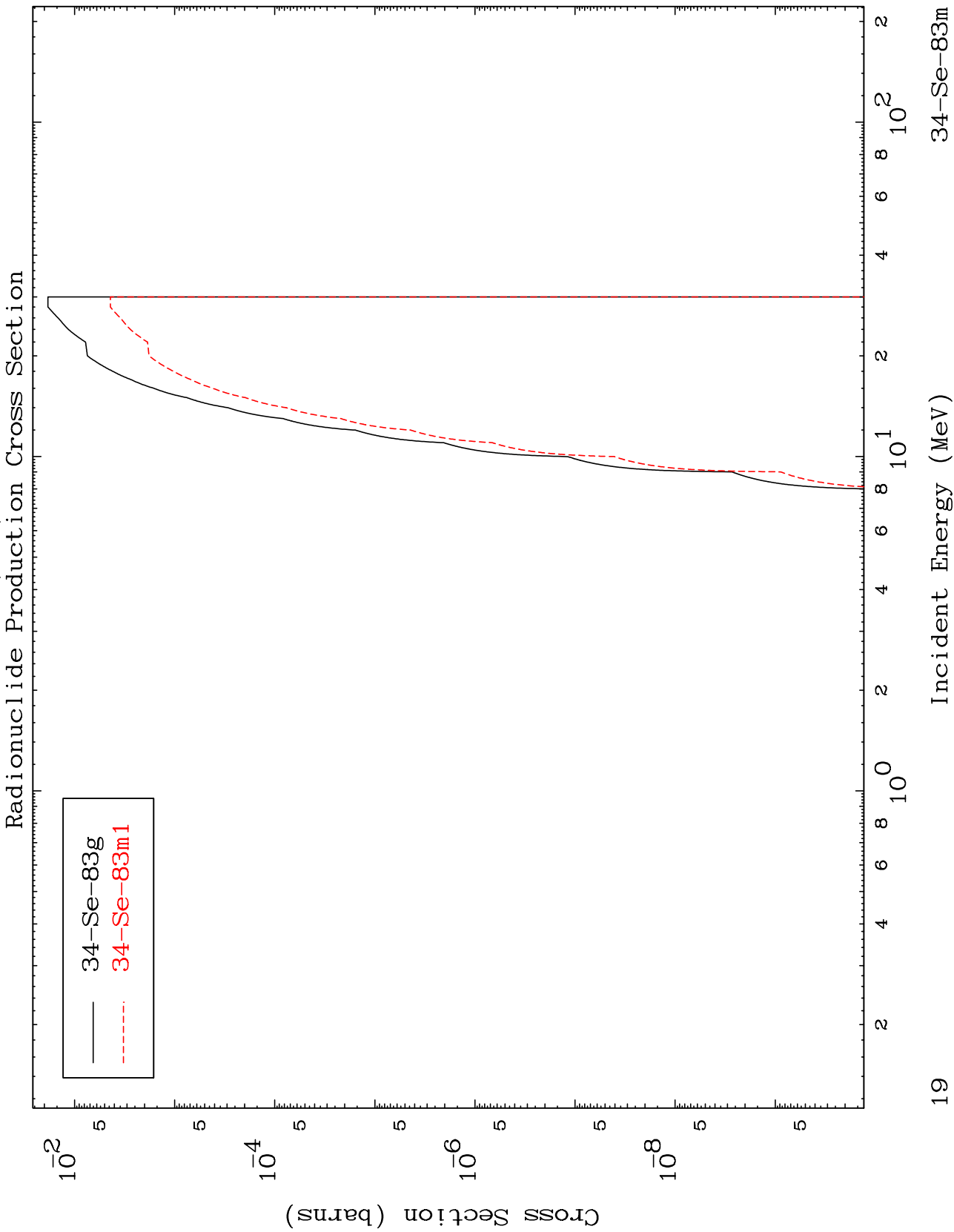
34-Se-83m

Incident Energy (MeV)

18

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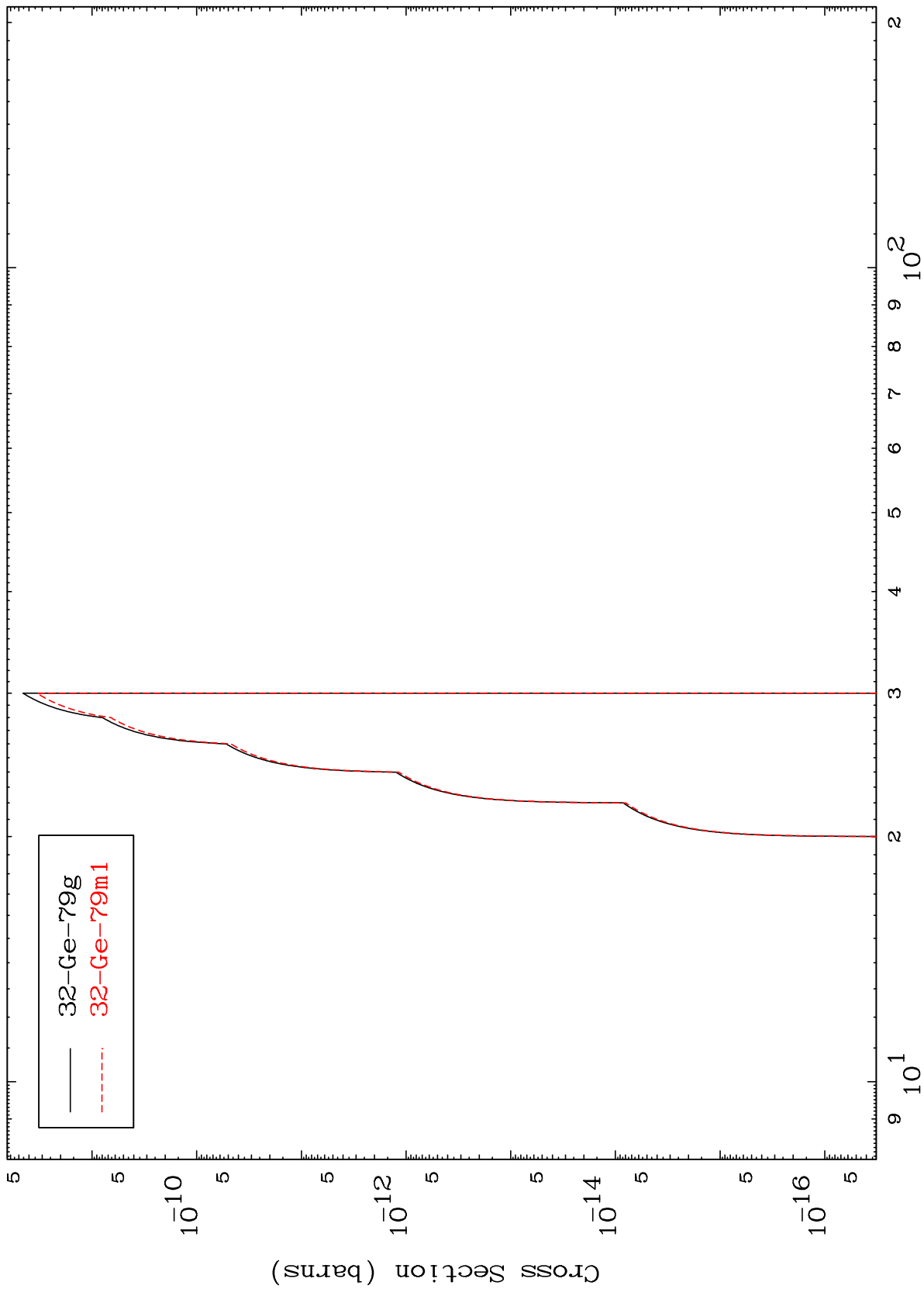
³⁴Se-83m



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³⁴Se-83m

Radionuclide Production Cross Section
(n,2α)



³⁴Se-83m

Incident Energy (MeV)

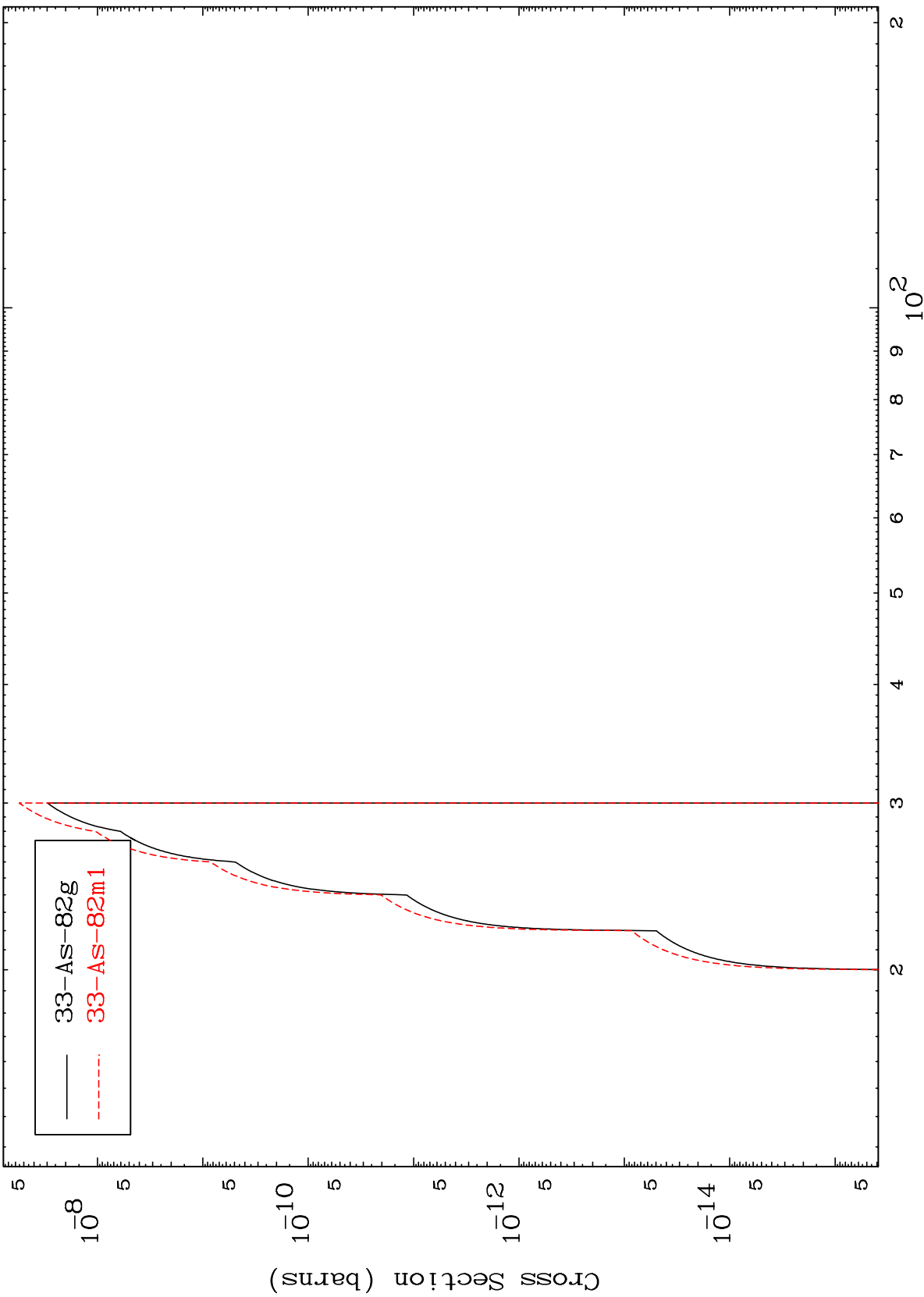
20

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(n,p) α

$^{34}\text{Se-83m}$

Radionuclide Production Cross Section

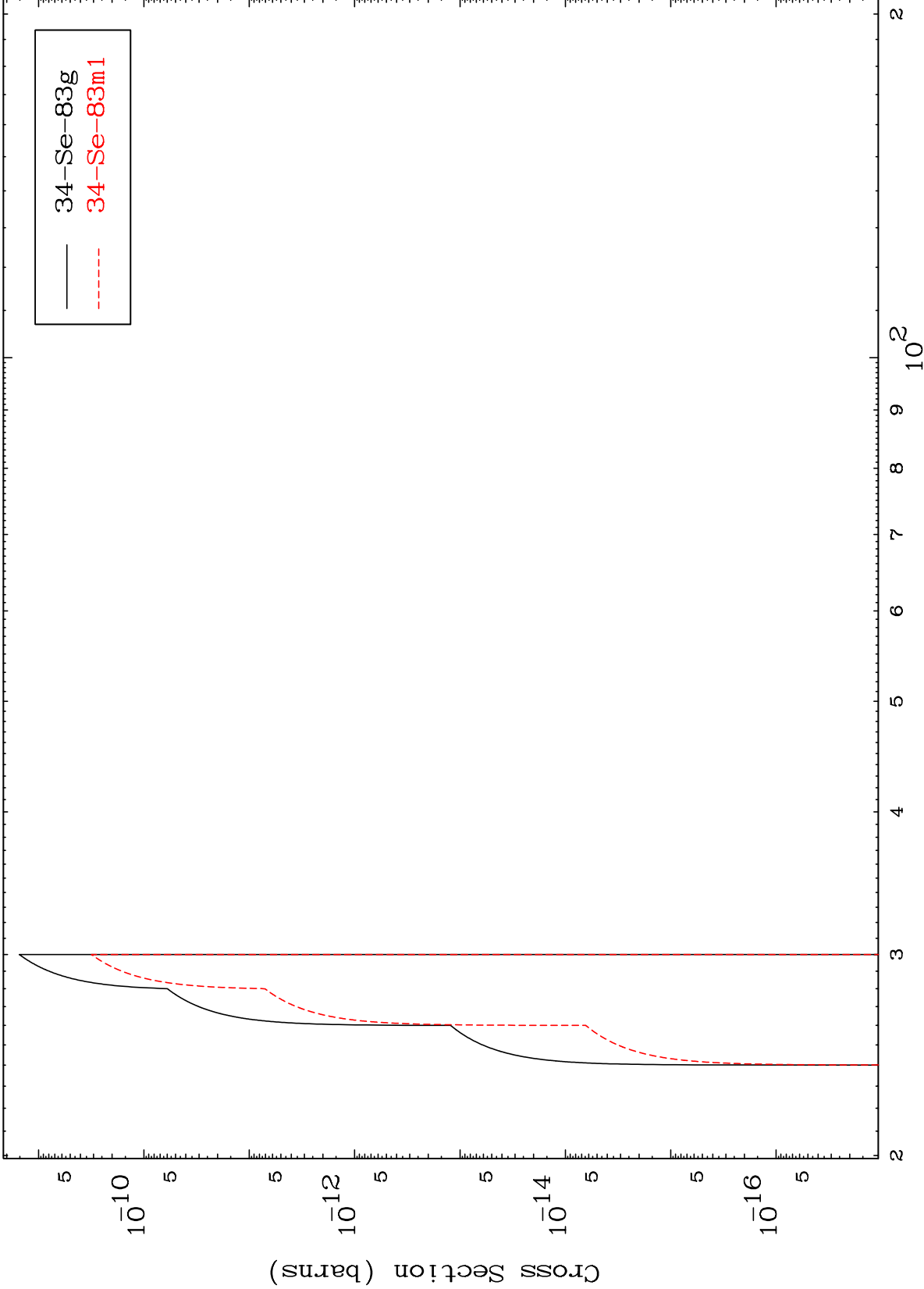


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(n,p) t

³⁴Se-⁸³m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

³⁴Se-⁸³m