

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

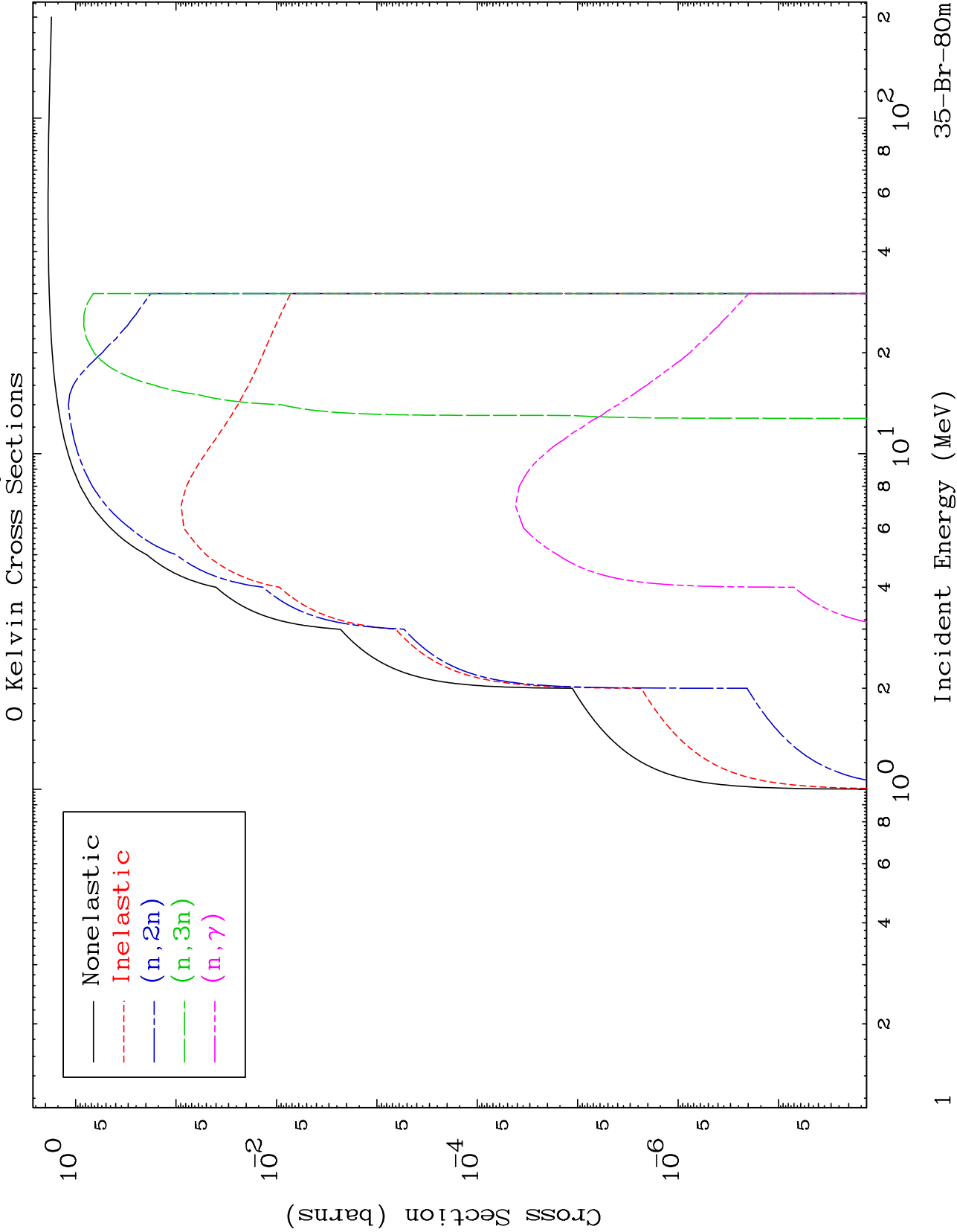
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Web: redcullen1.net/HOMEPAGE.NEW

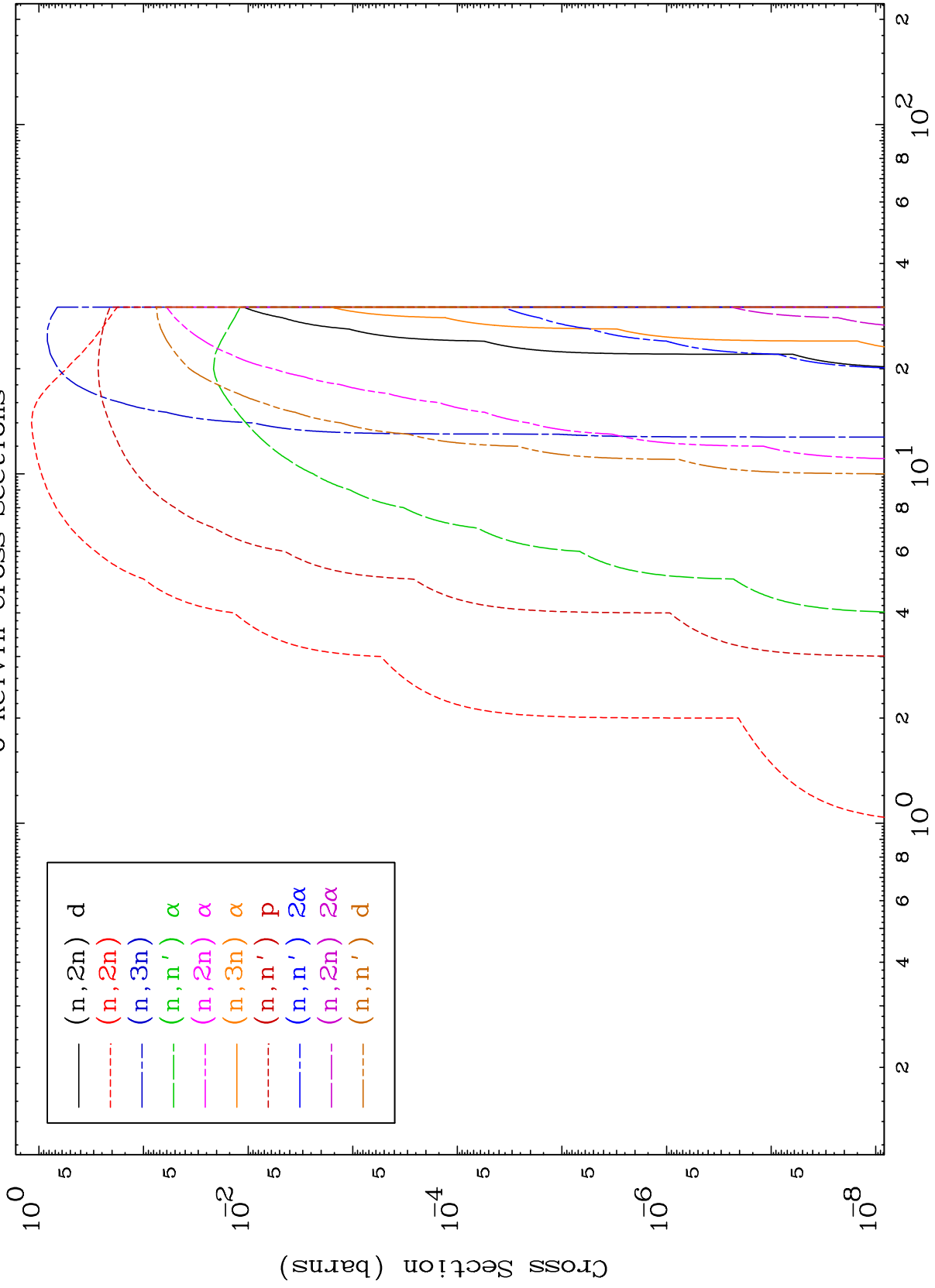
Press Mouse Button to Start



MAT 3529

Deuteron Neutron Absorption
0 Kelvin Cross Sections

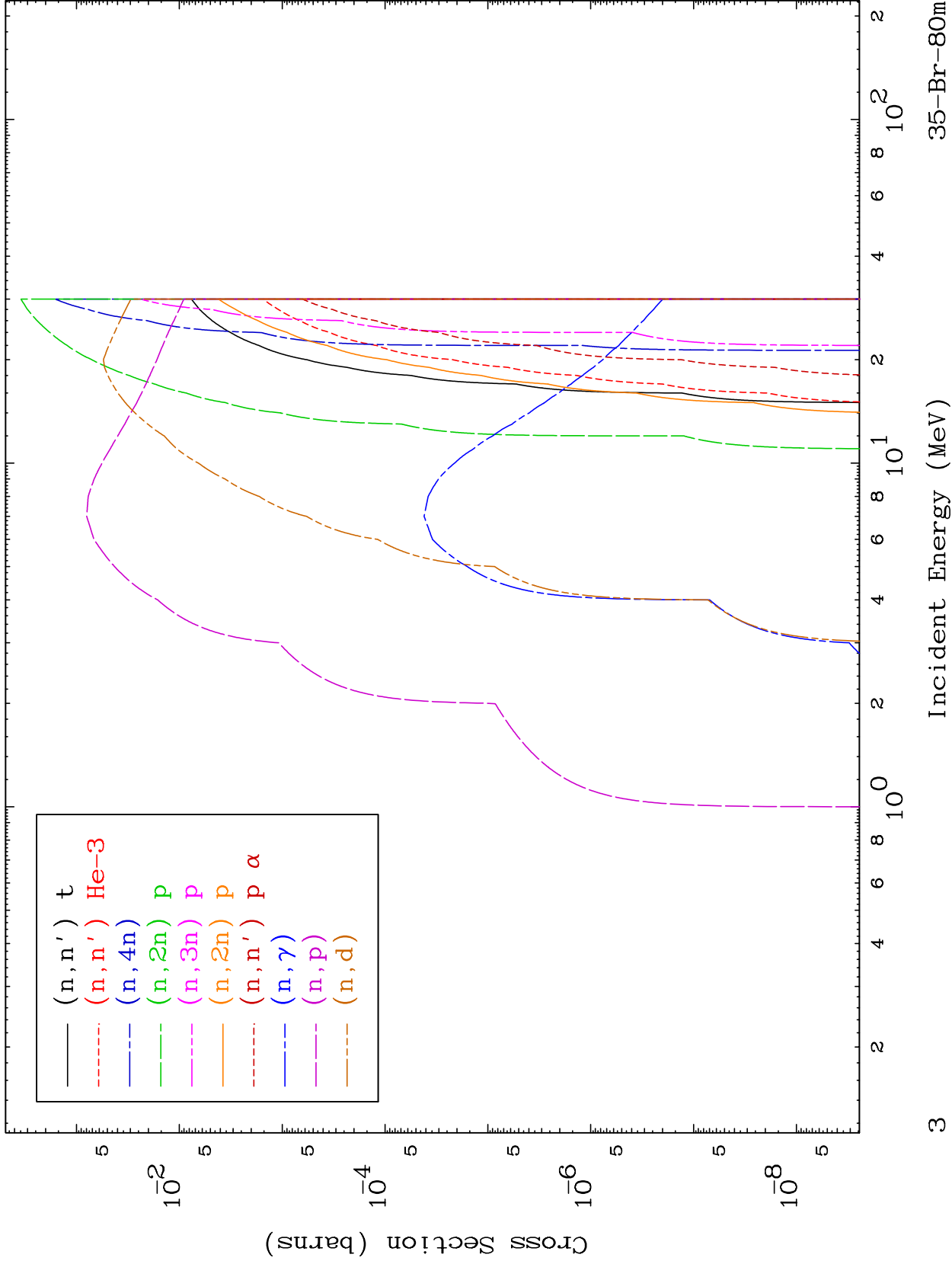
³⁵Br-80m

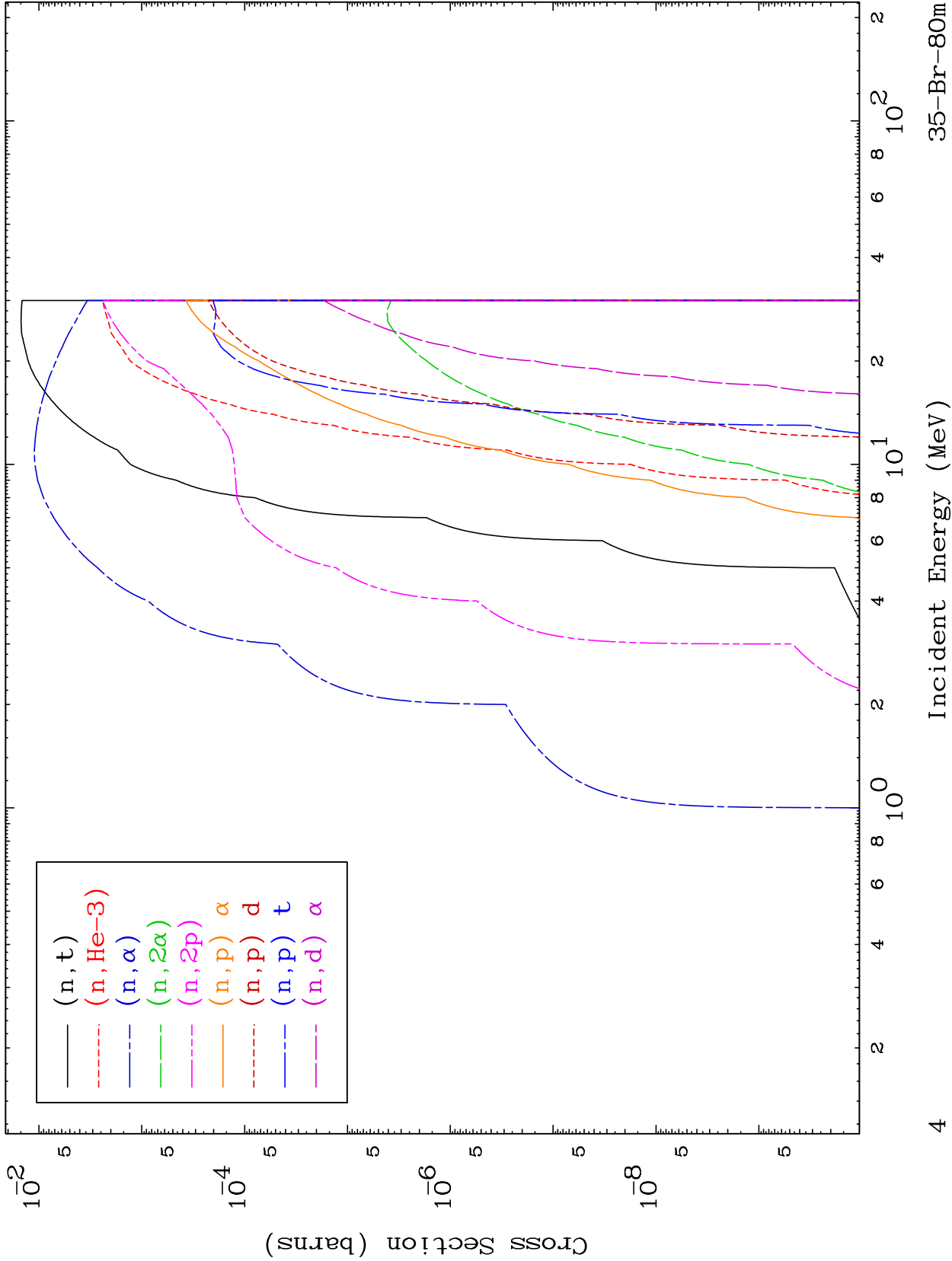


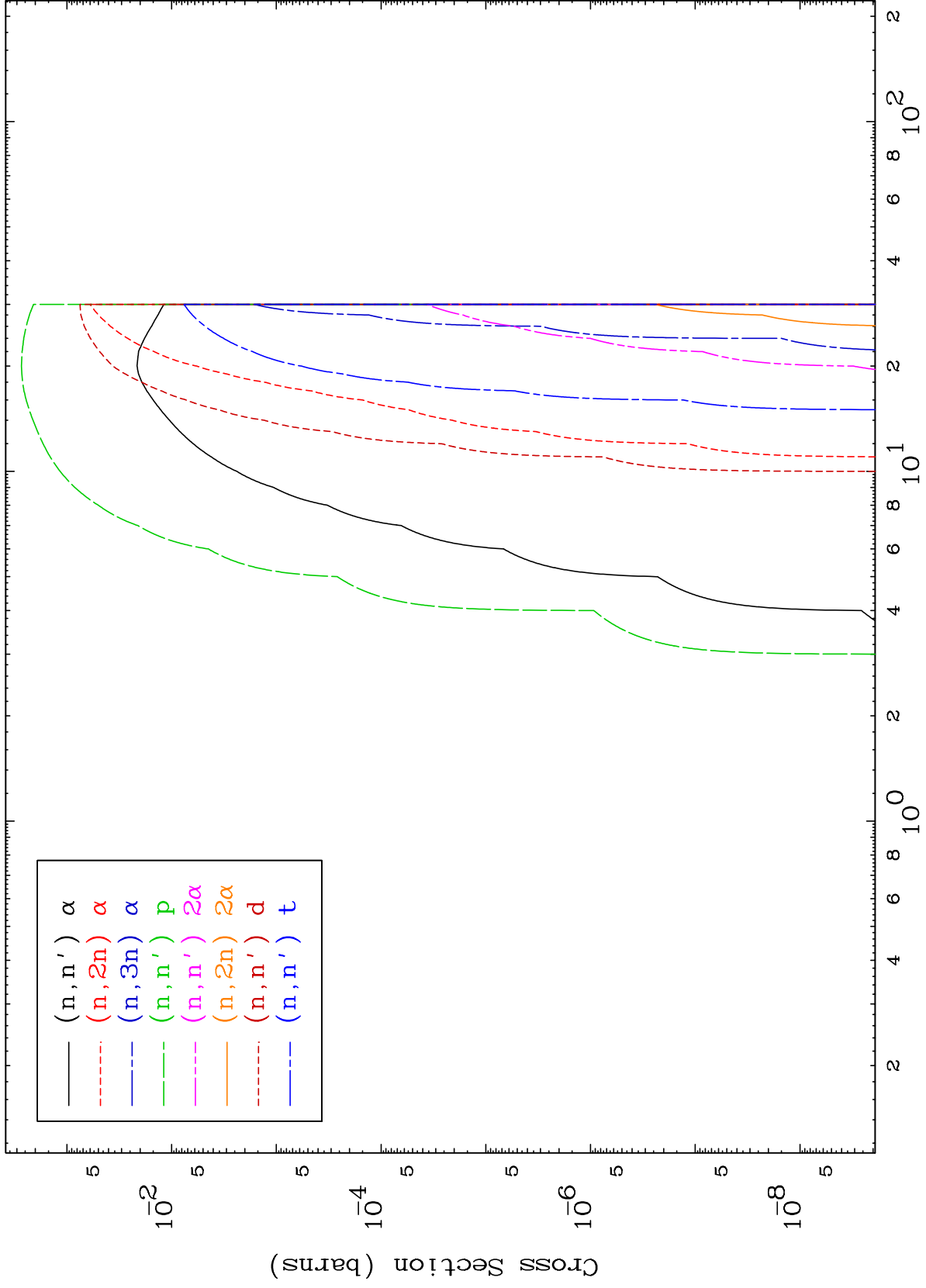
MAT 3529

Deuteron Neutron Absorption
0 Kelvin Cross Sections

35-Br-80m



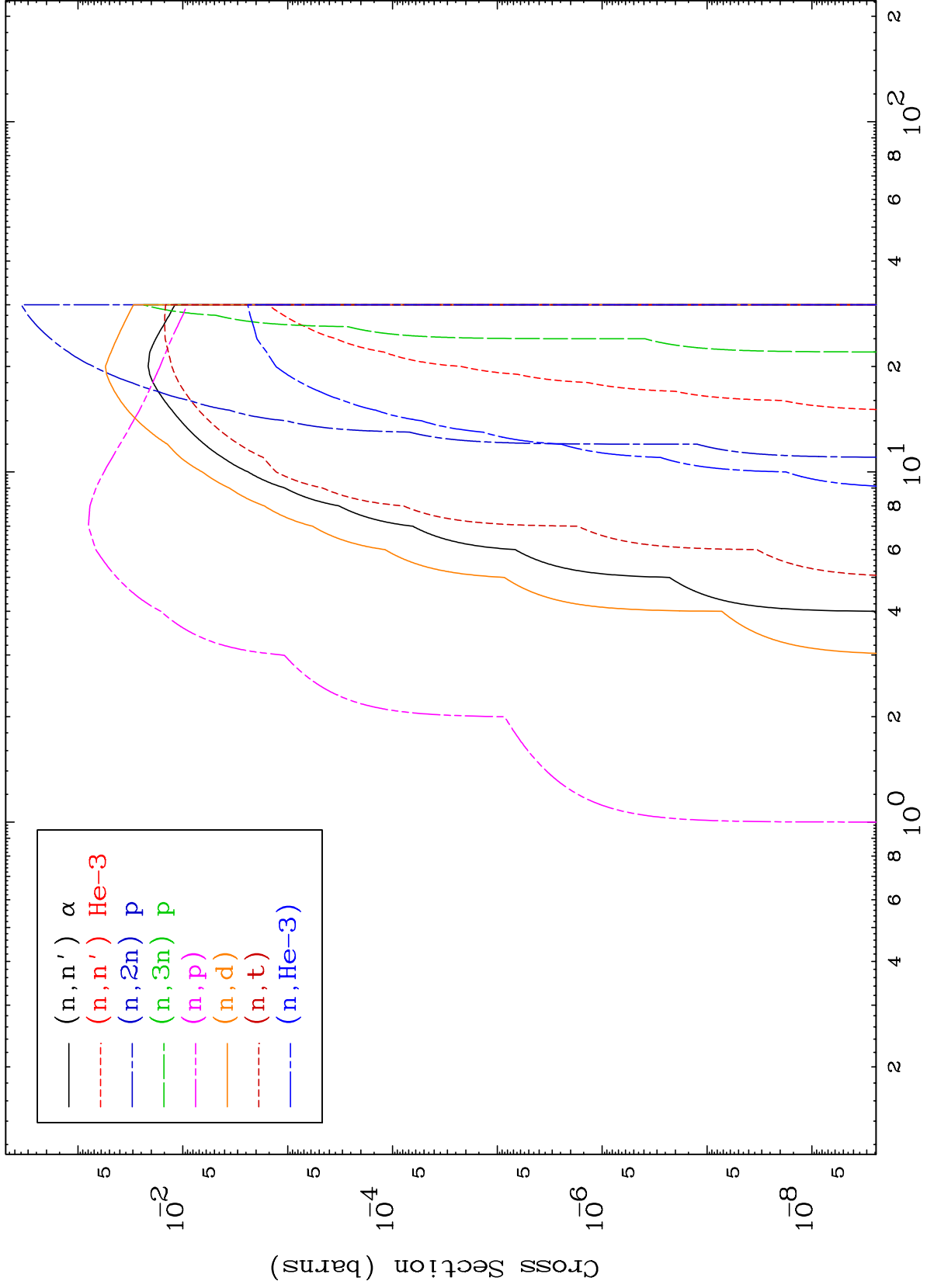


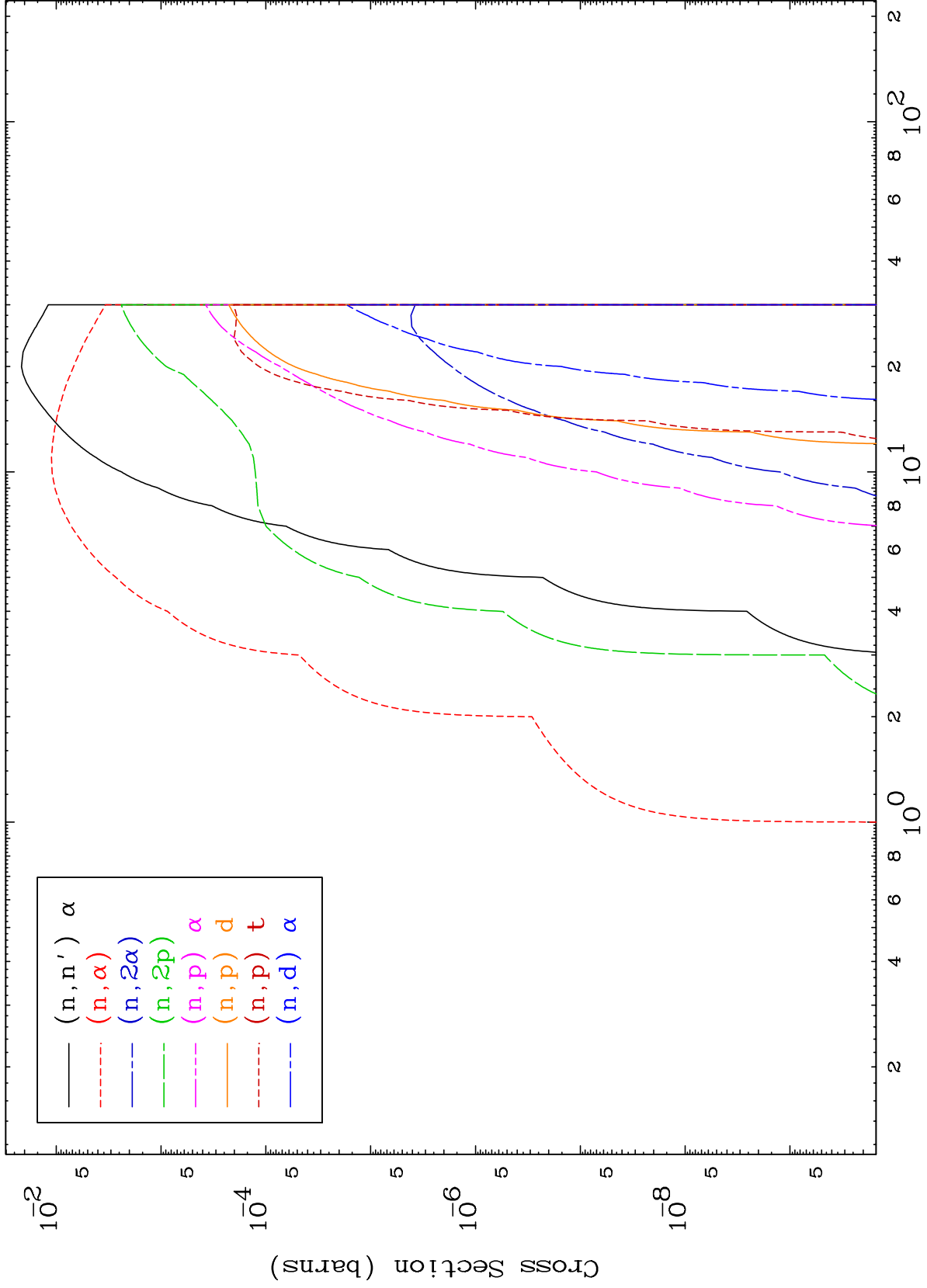


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Deuteron Charged Particle
0 Kelvin Cross Sections

35-Br-80m

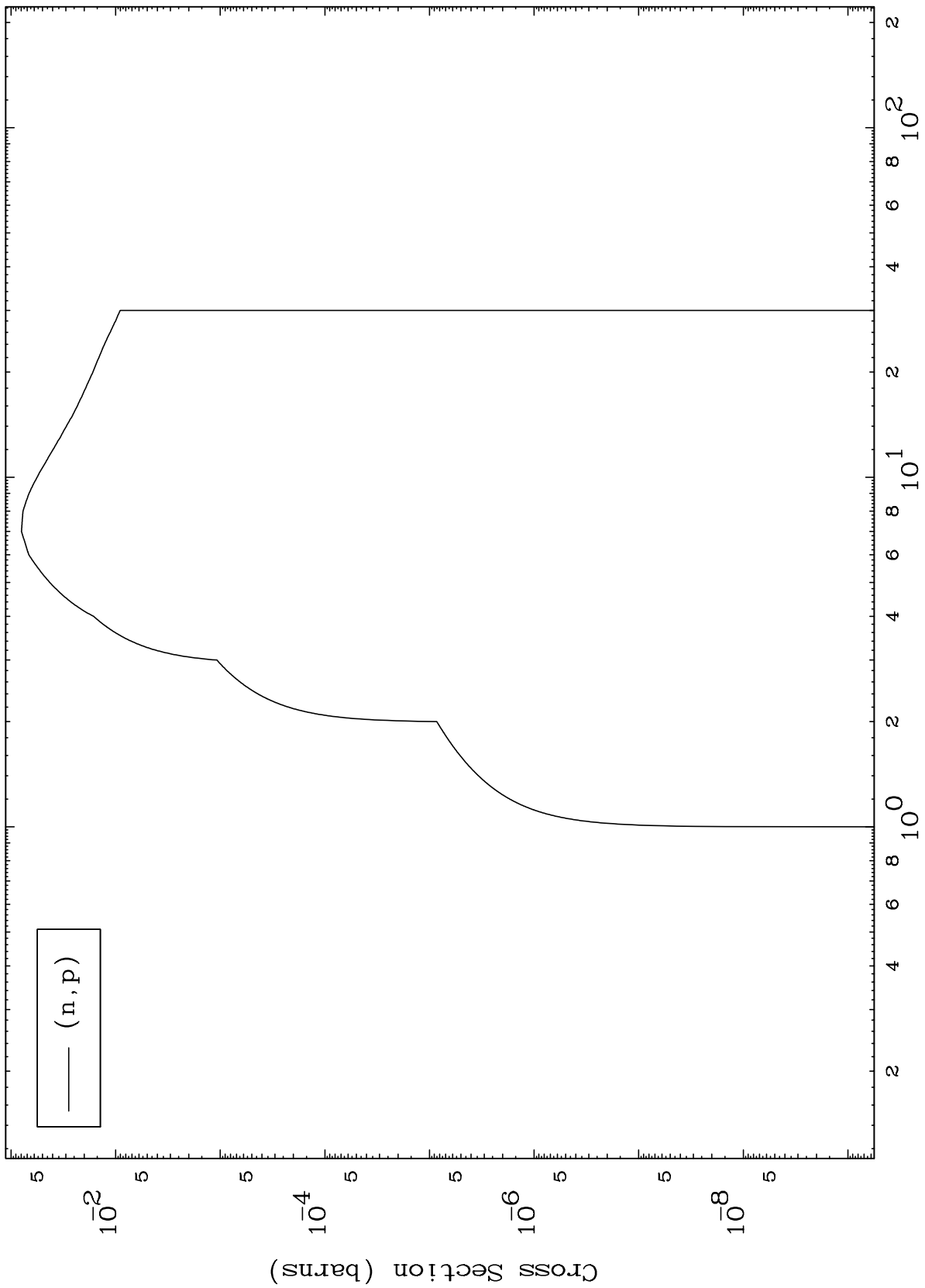




MAT 3529

35-Br-80m

(d,p) Levels
0 Kelvin Cross Sections

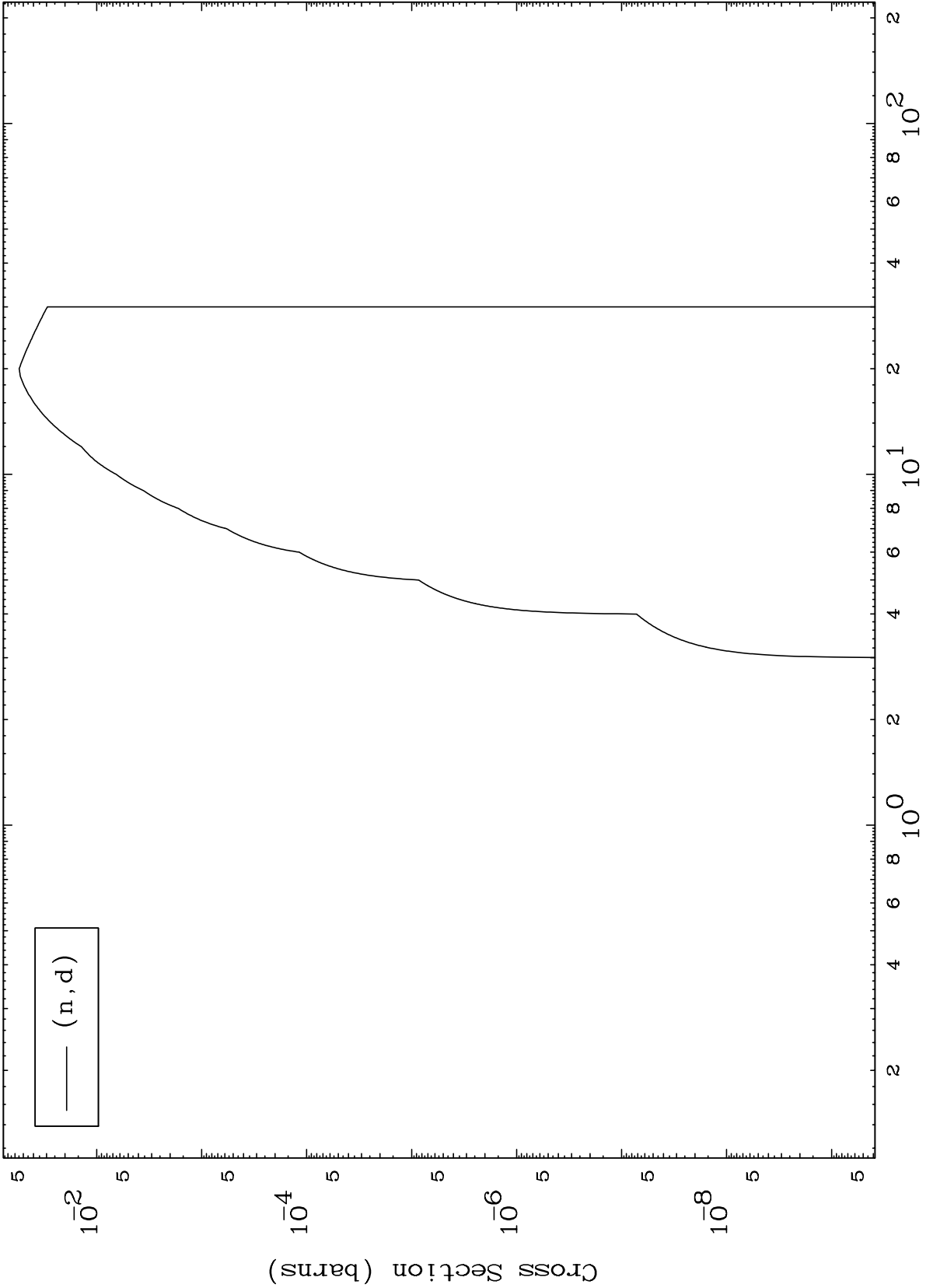


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(d,d) Levels

35-Br-80m

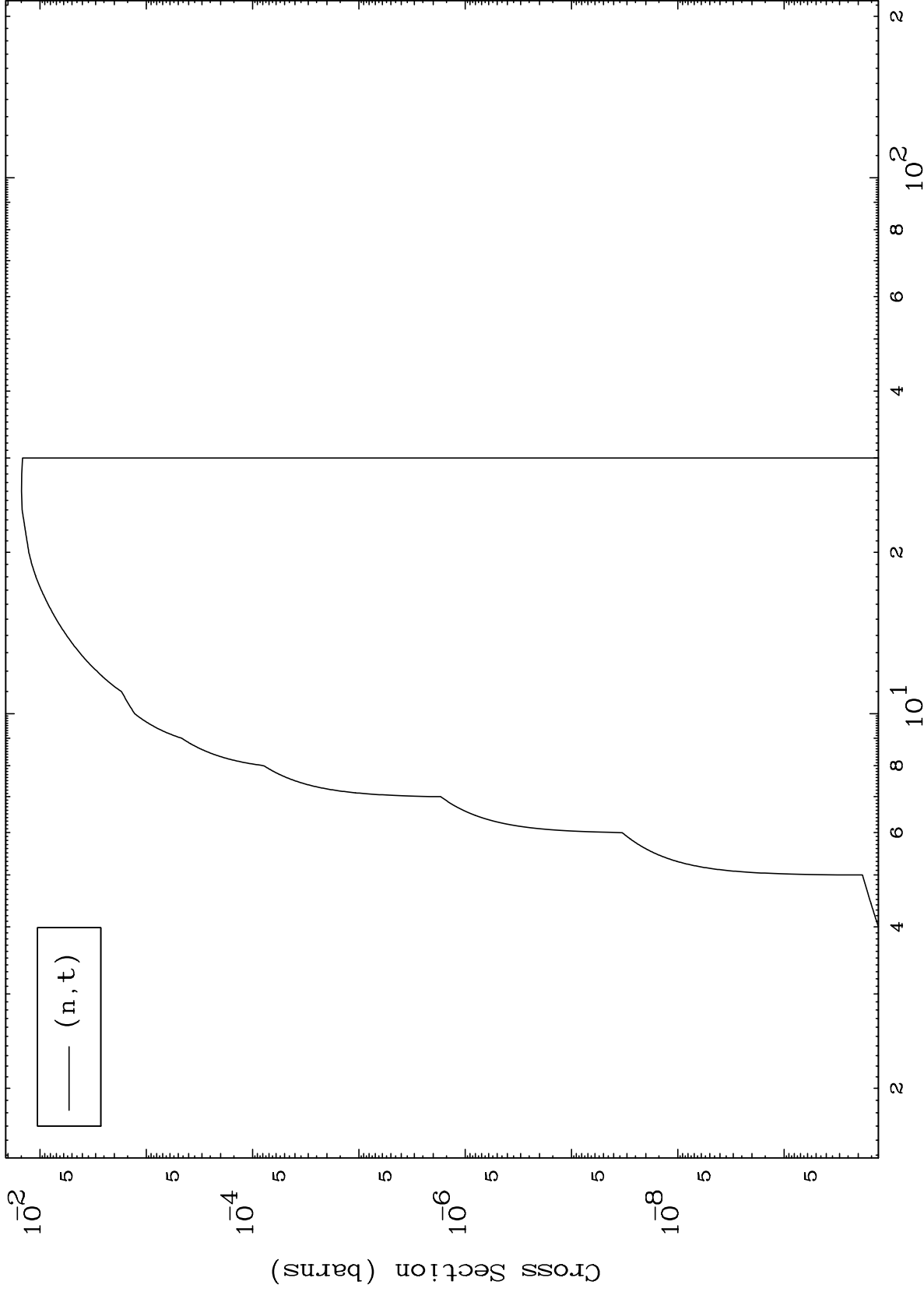
0 Kelvin Cross Sections



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(d,t) Levels
0 Kelvin Cross Sections

35-Br-80m



10

Incident Energy (MeV)

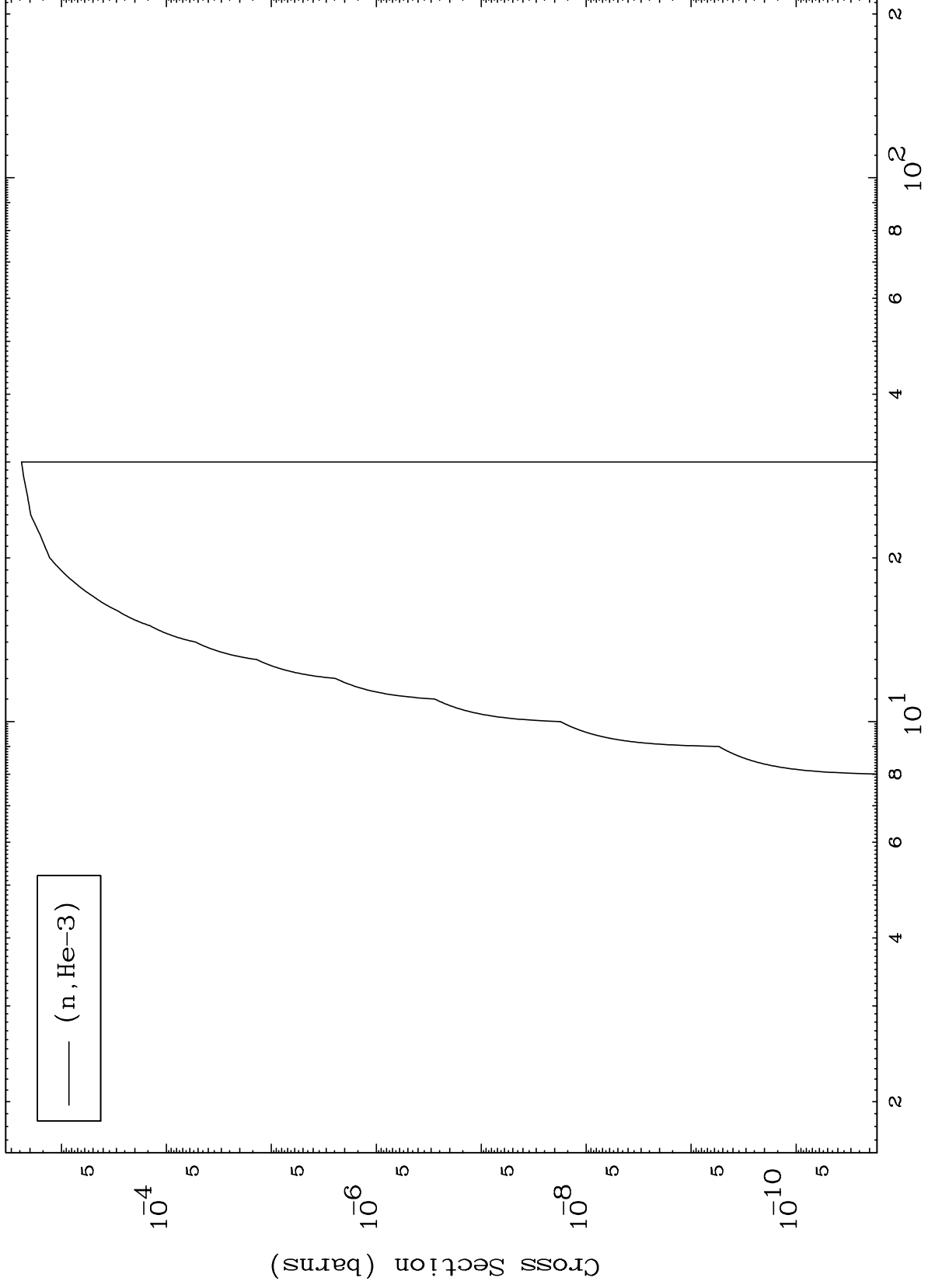
35-Br-80m

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(d,He3) Levels

35-Br-80m

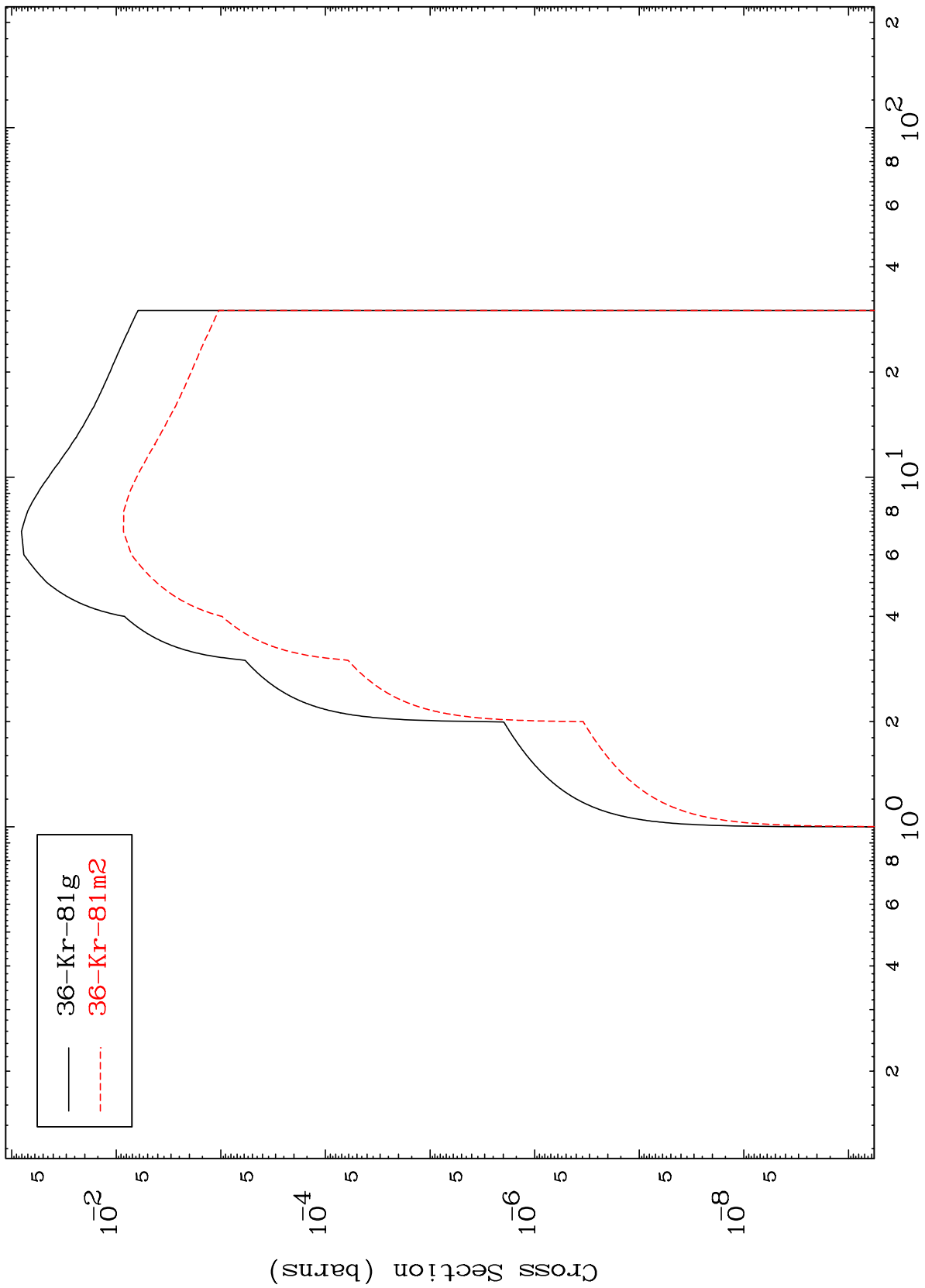
0 Kelvin Cross Sections



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35-Br-80m

Inelastic
Radionuclide Production Cross Section



— 36-Kr-81g
- - - 36-Kr-81m2

35-Br-80m

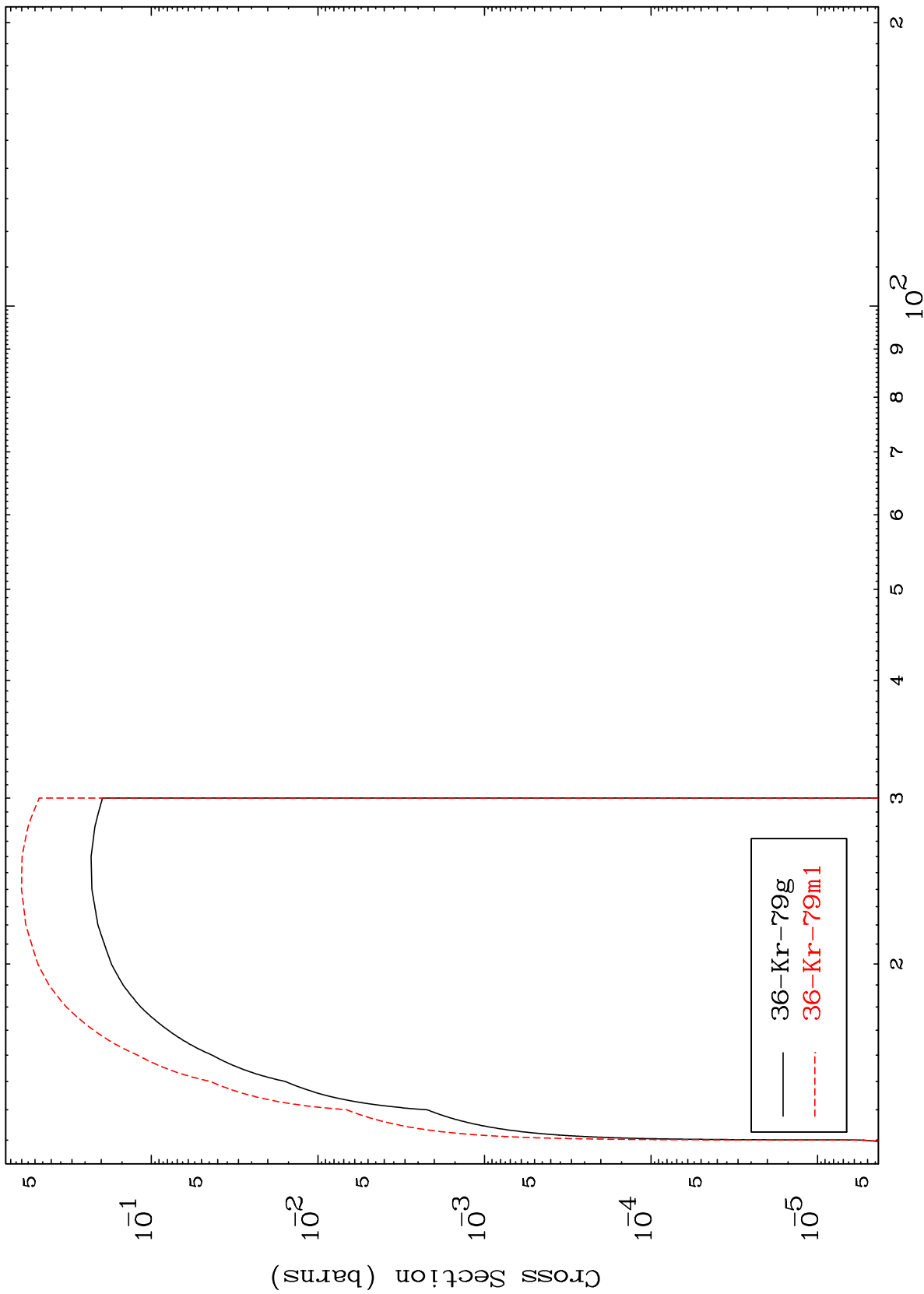
Incident Energy (MeV)

13

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35-Br-80m

(n,3n)
Radionuclide Production Cross Section



35-Br-80m

Incident Energy (MeV)

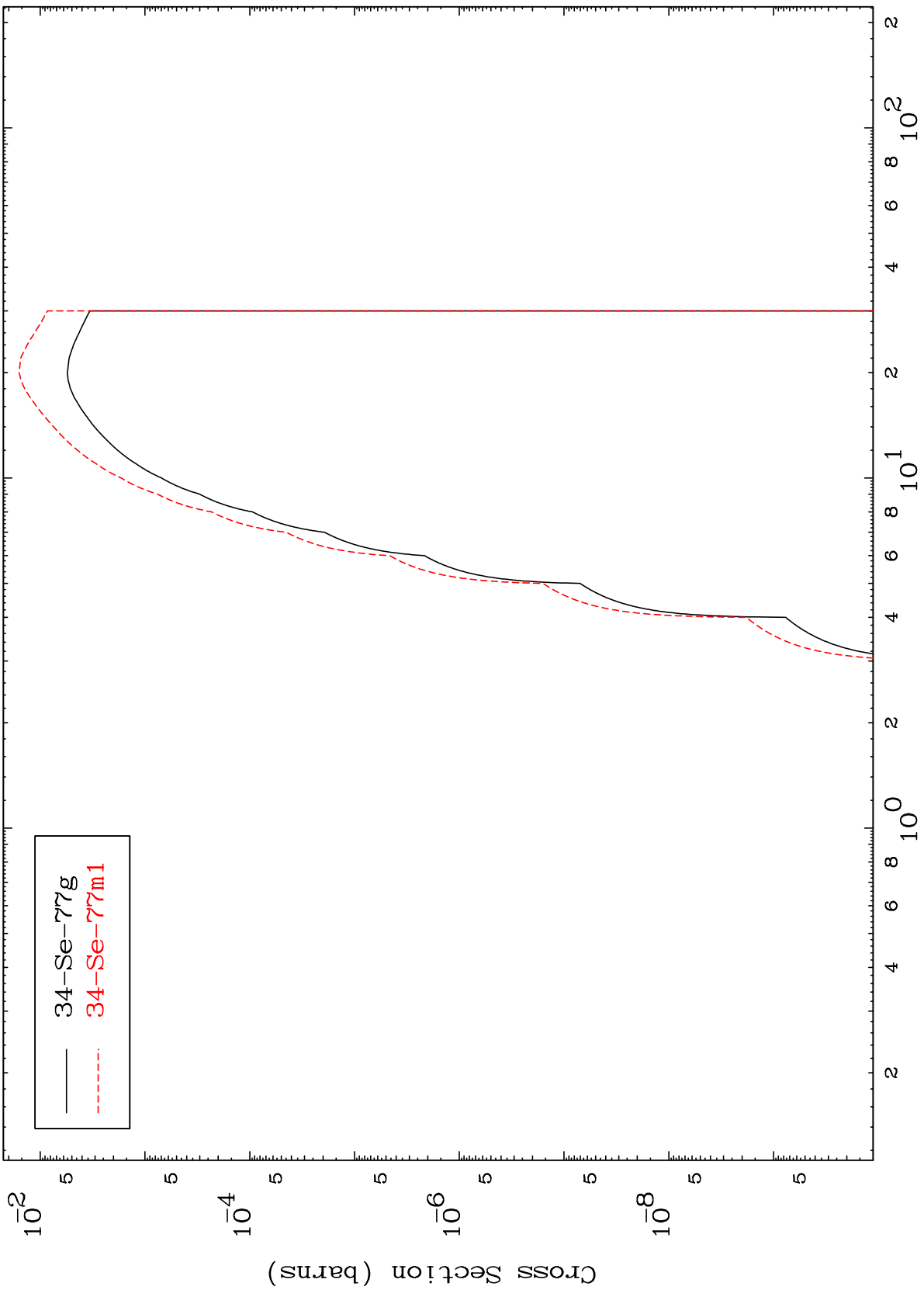
14

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(n, n') α

$^{35}\text{Br-80m}$

Radionuclide Production Cross Section



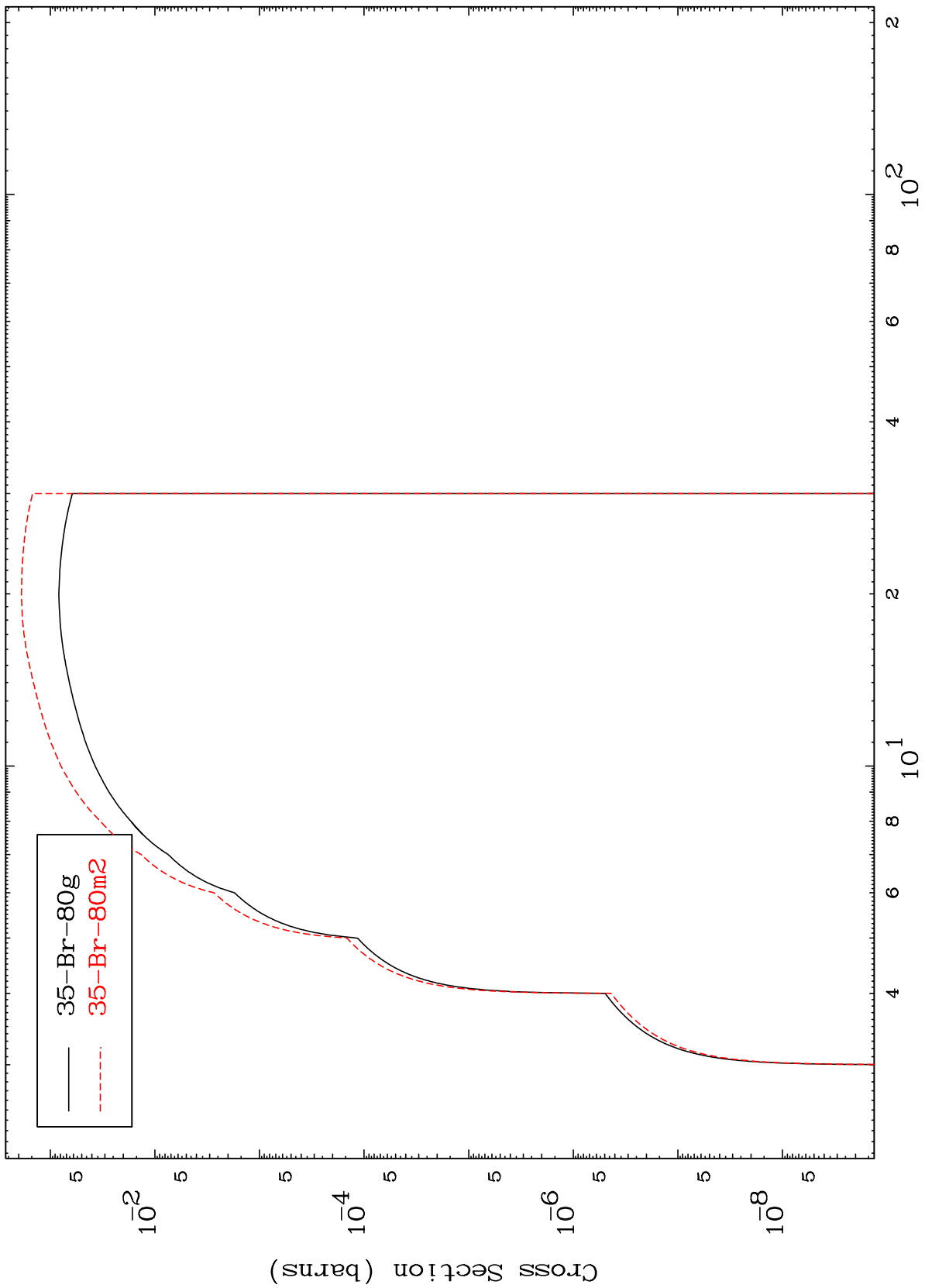
Legend:
— $^{34}\text{Se-77g}$
- - - $^{34}\text{Se-77m1}$

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³⁵Br-80m

Radionuclide Production Cross Section

(n,n') p



— 35-Br-80g
- - - 35-Br-80m2

³⁵Br-80m

Incident Energy (MeV)

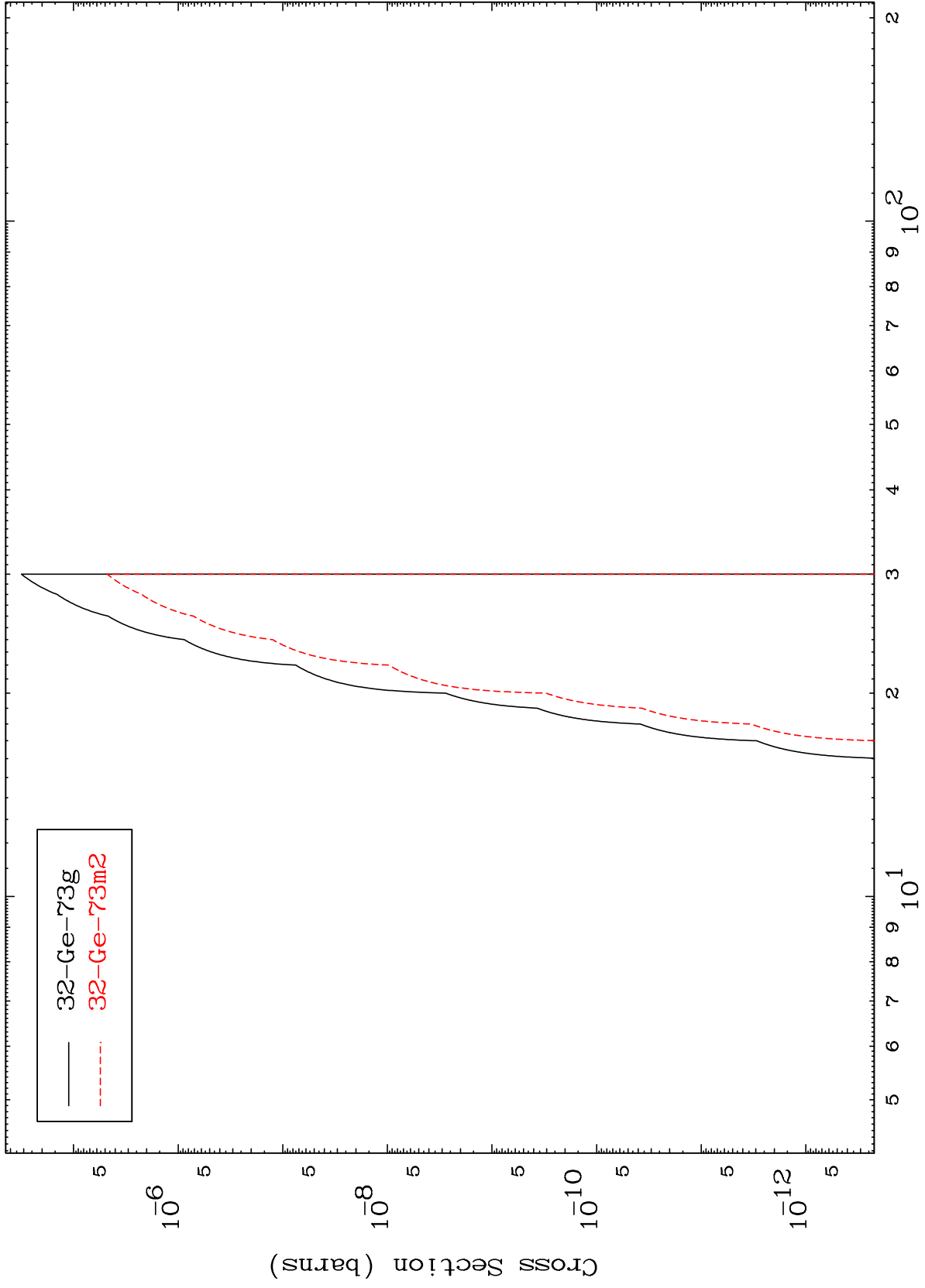
16

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(n, n') 2α

$^{35}\text{Br-80m}$

Radionuclide Production Cross Section



17

Incident Energy (MeV)

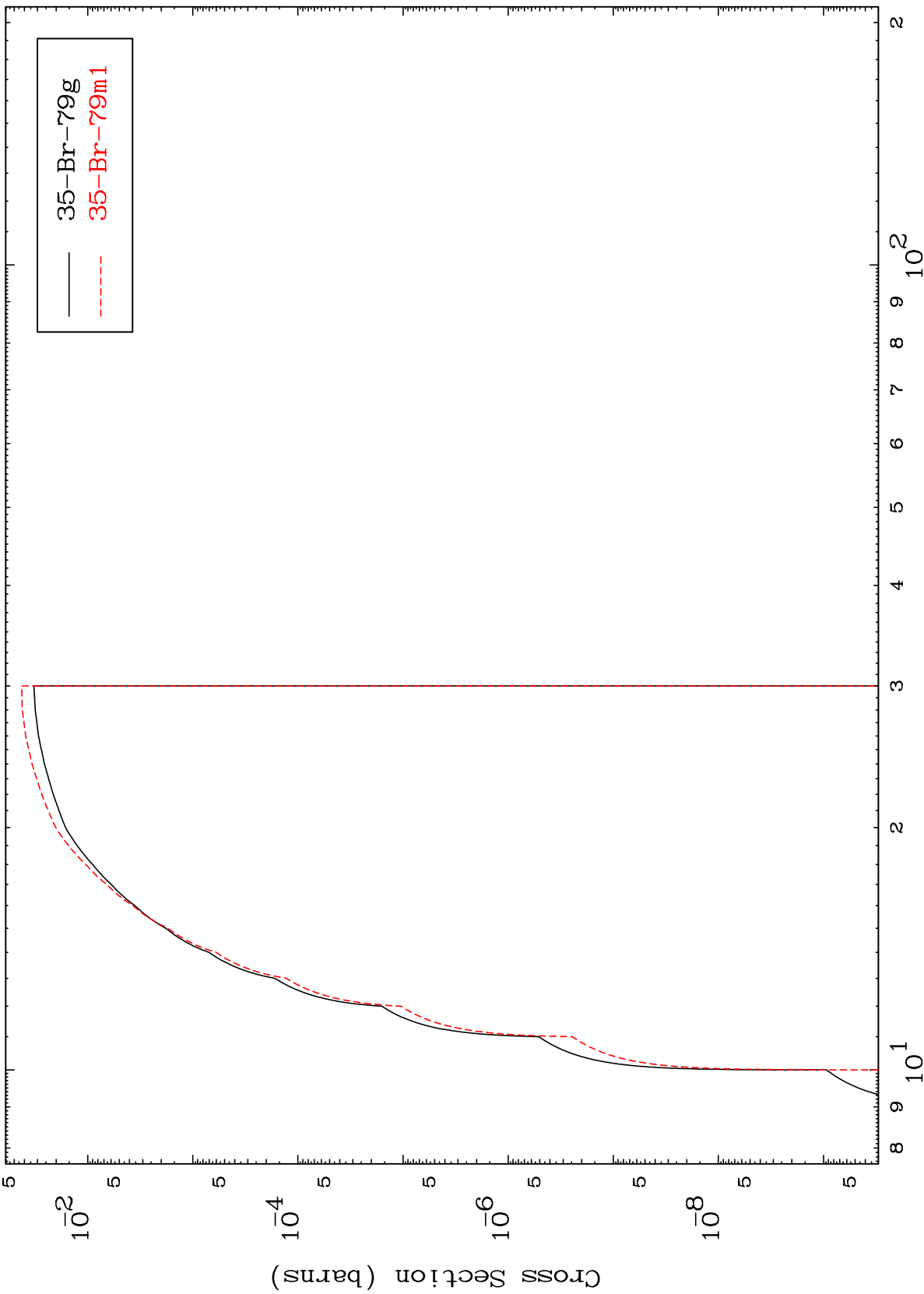
$^{35}\text{Br-80m}$

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(n,n') d

35-Br-80m

Radionuclide Production Cross Section



18

Incident Energy (MeV)

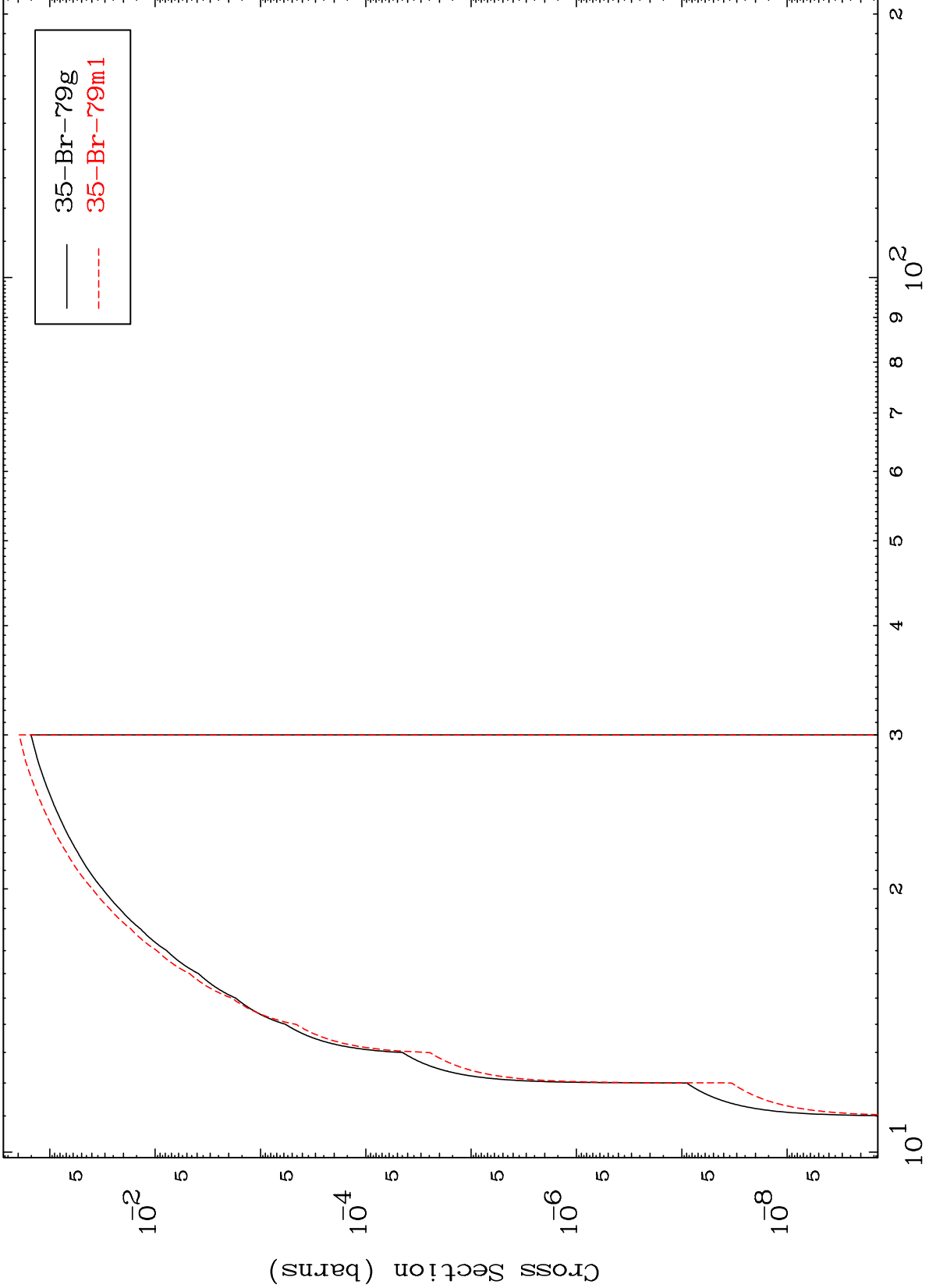
35-Br-80m

MAT 3529

(n,2n) p

35-Br-80m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

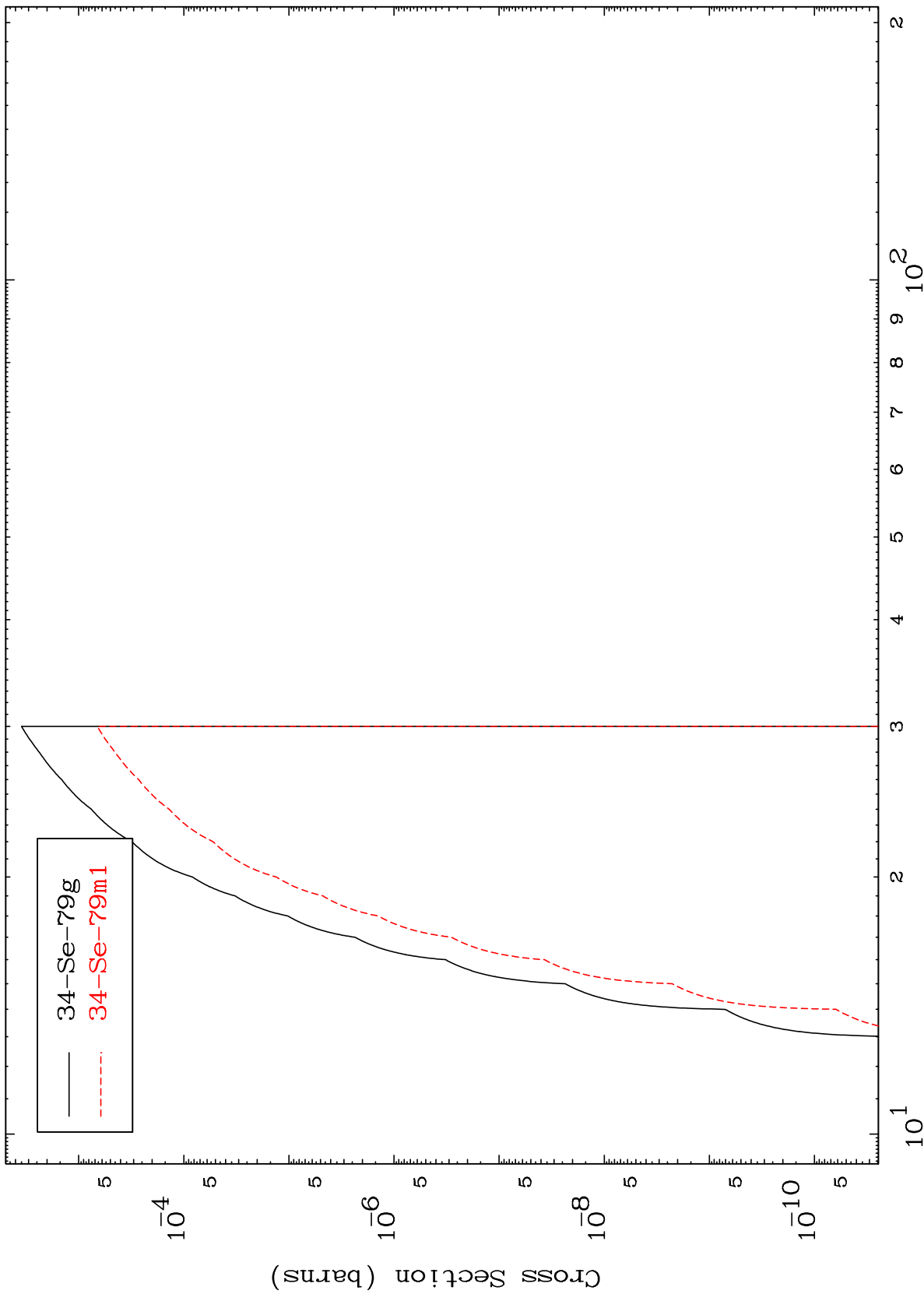
35-Br-80m

MAT 3529

(n,2n) p

³⁵Br-80m

Radionuclide Production Cross Section



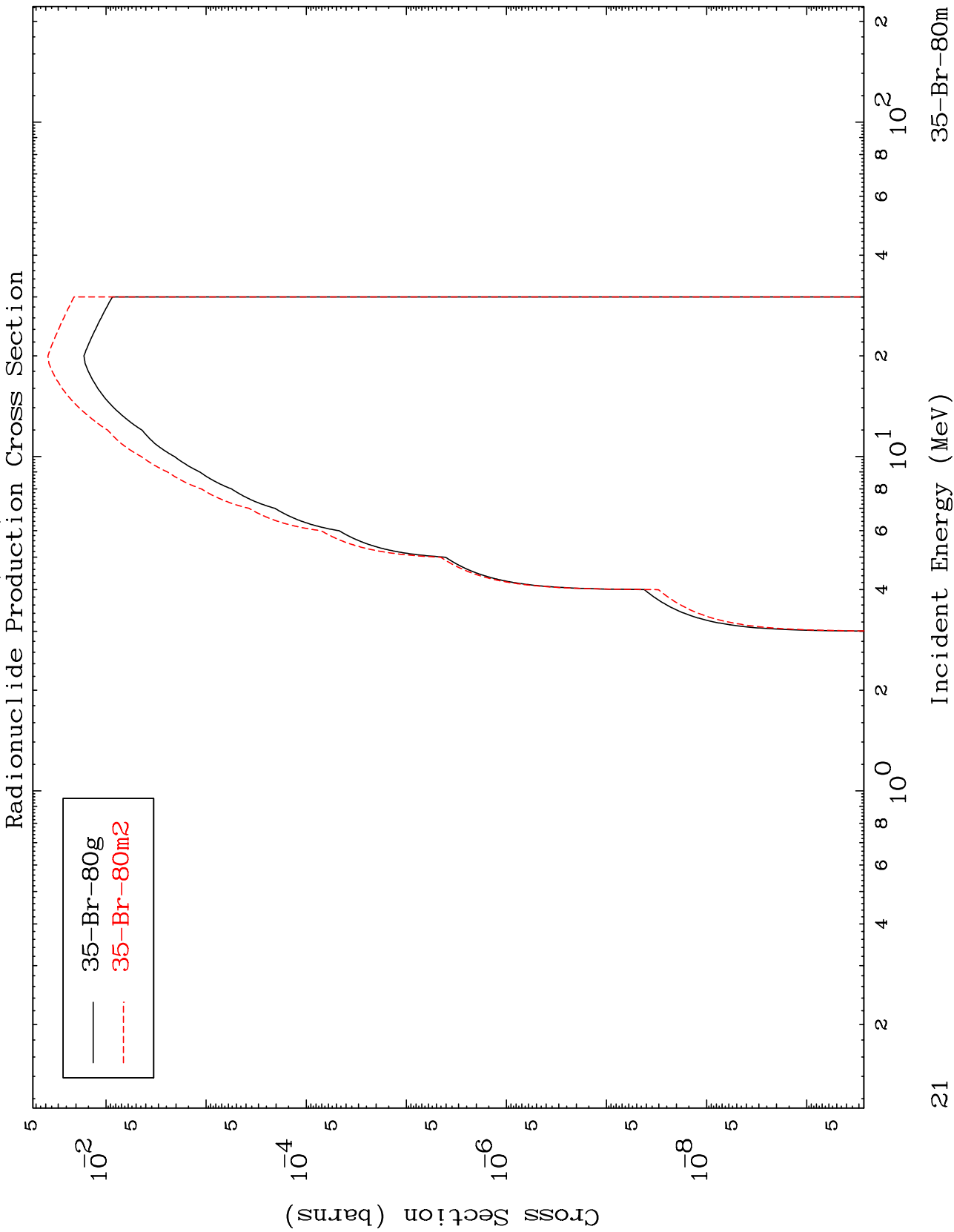
Incident Energy (MeV)

³⁵Br-80m

MAT 3529

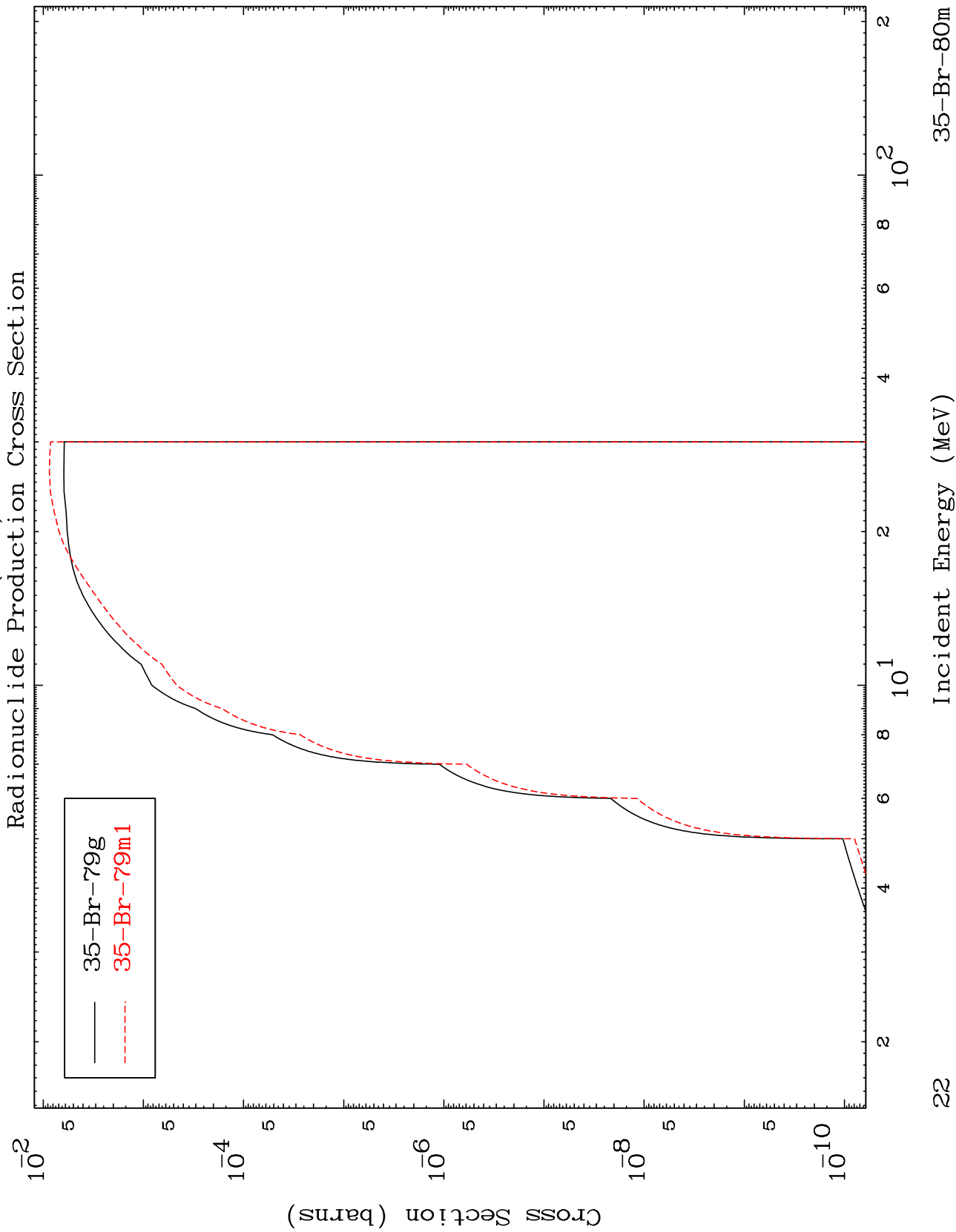
(n,d)

³⁵Br-80m



MAT 3529

35-Br-80m



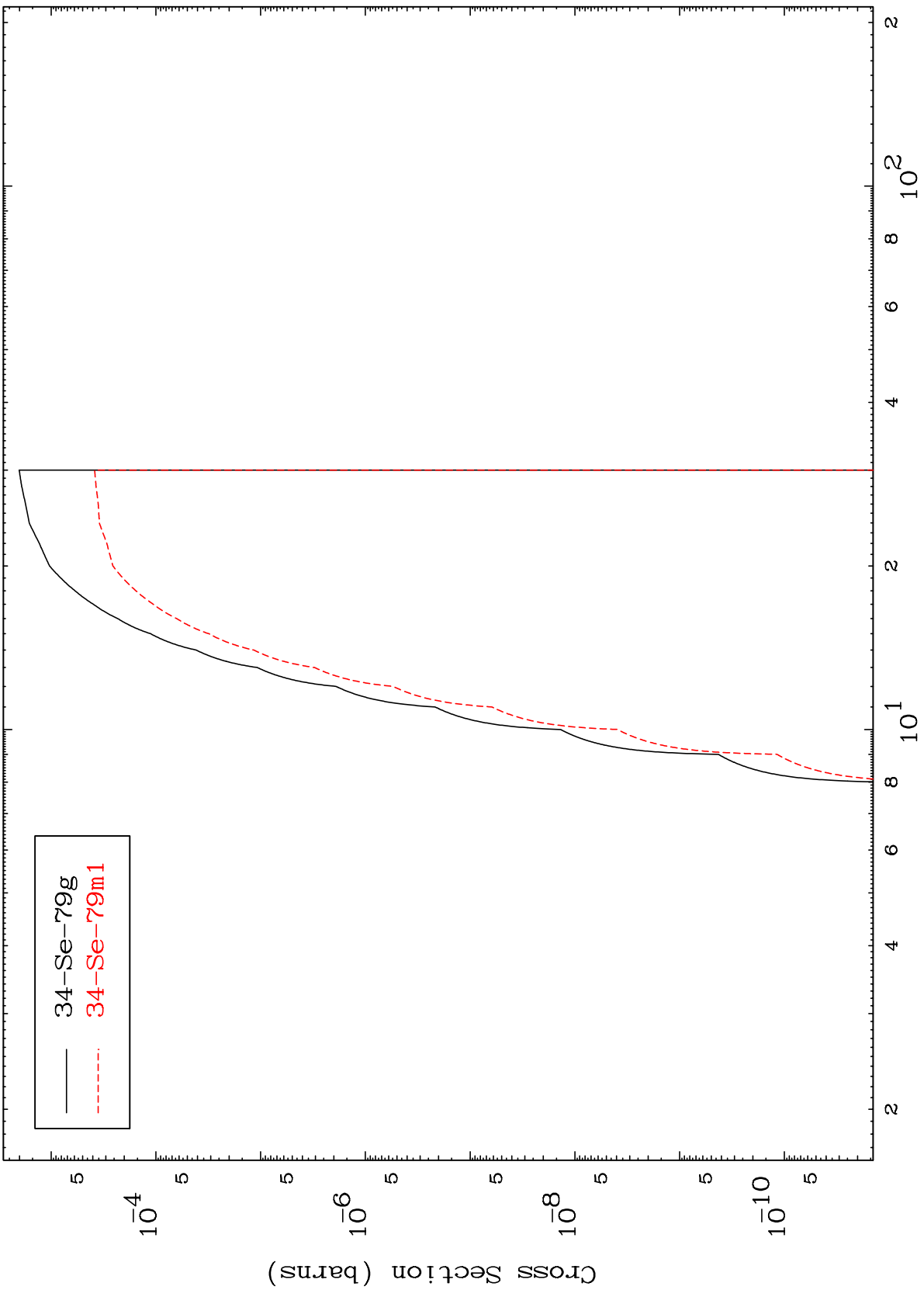
22

35-Br-80m

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35-Br-80m

(n,He-3)
Radionuclide Production Cross Section



23

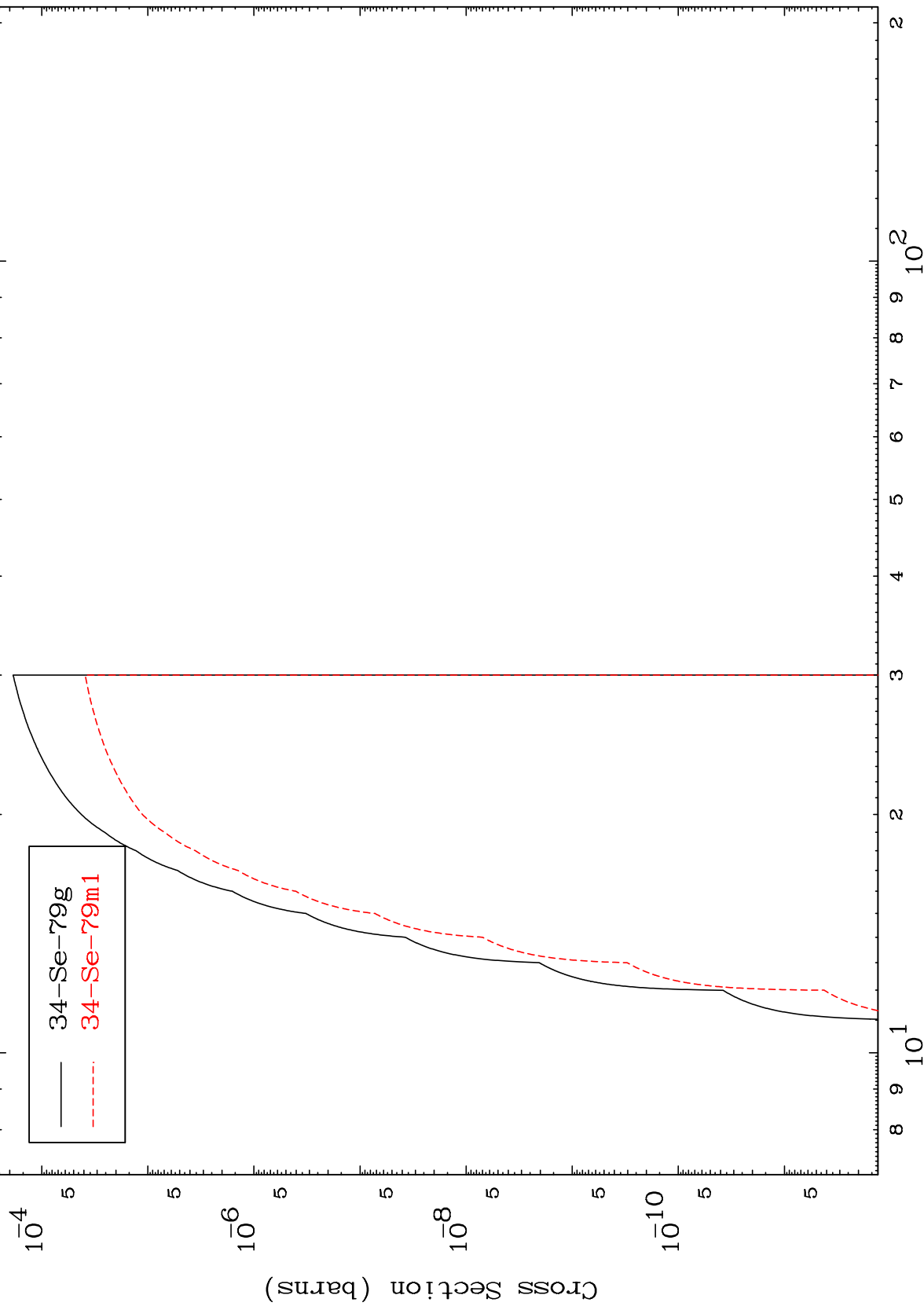
35-Br-80m

MAT 3529

(n,p) d

³⁵Br-80m

Radionuclide Production Cross Section



— 34-Se-79g
- - - 34-Se-79m1

24

Incident Energy (MeV)

³⁵Br-80m