

Program EVALPLOT
(Version 2021-1)

by

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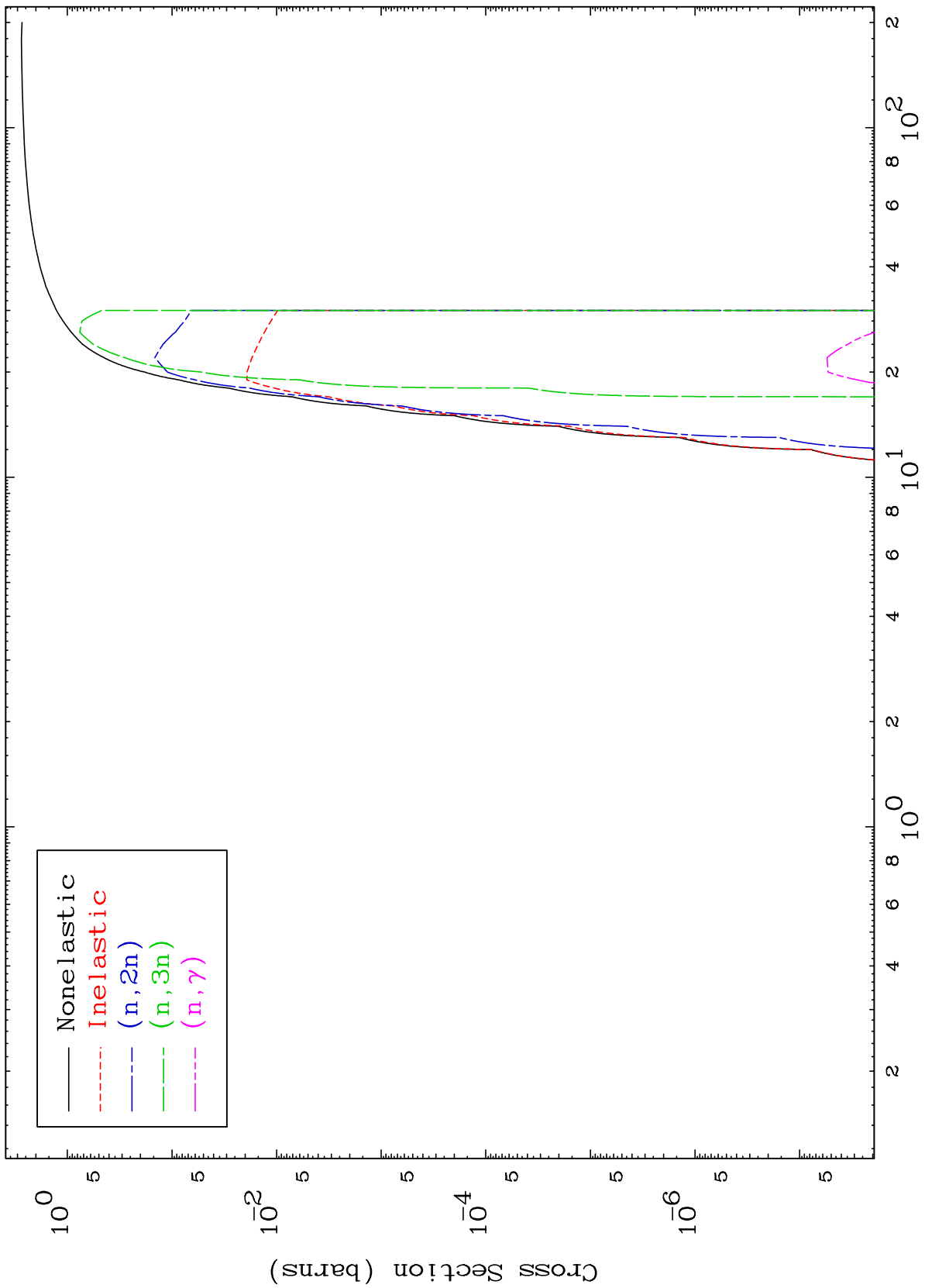
Press Mouse Button to Start

MAT 7554

α Major

75-Re-194n

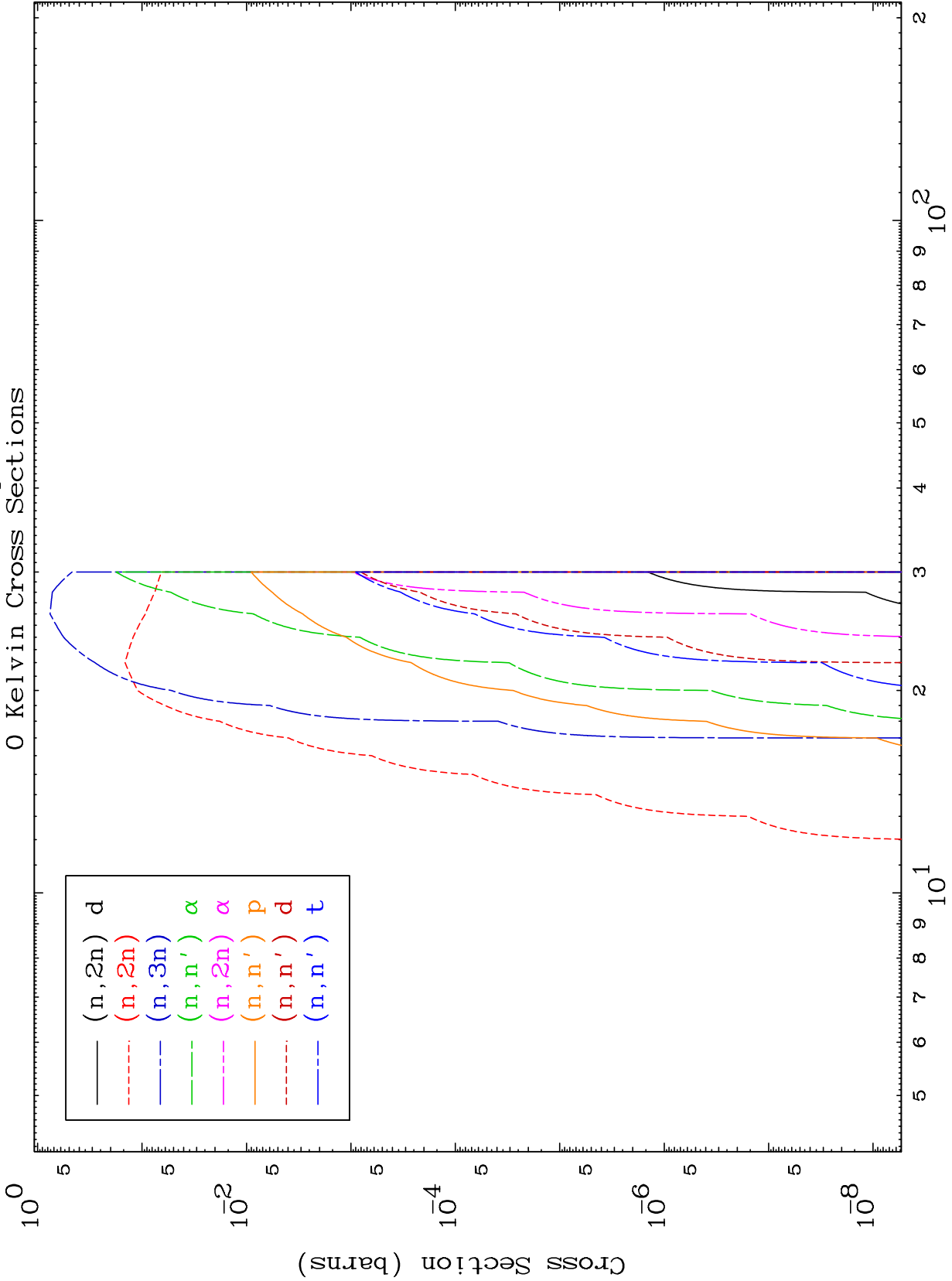
0 Kelvin Cross Sections



MAT 7554

α Neutron Absorption
0 Kelvin Cross Sections

75-Re-194n



Incident Energy (MeV)

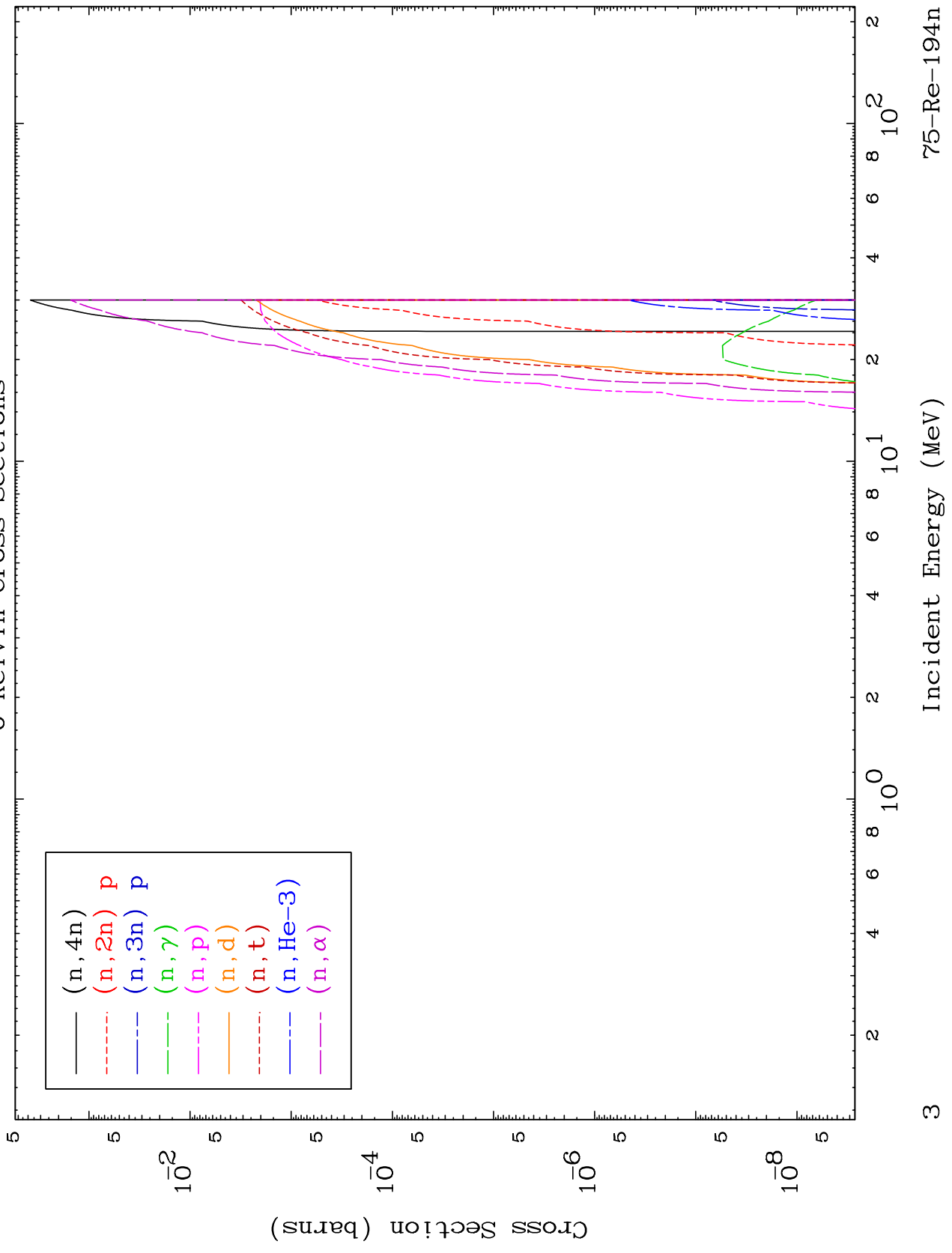
75-Re-194n

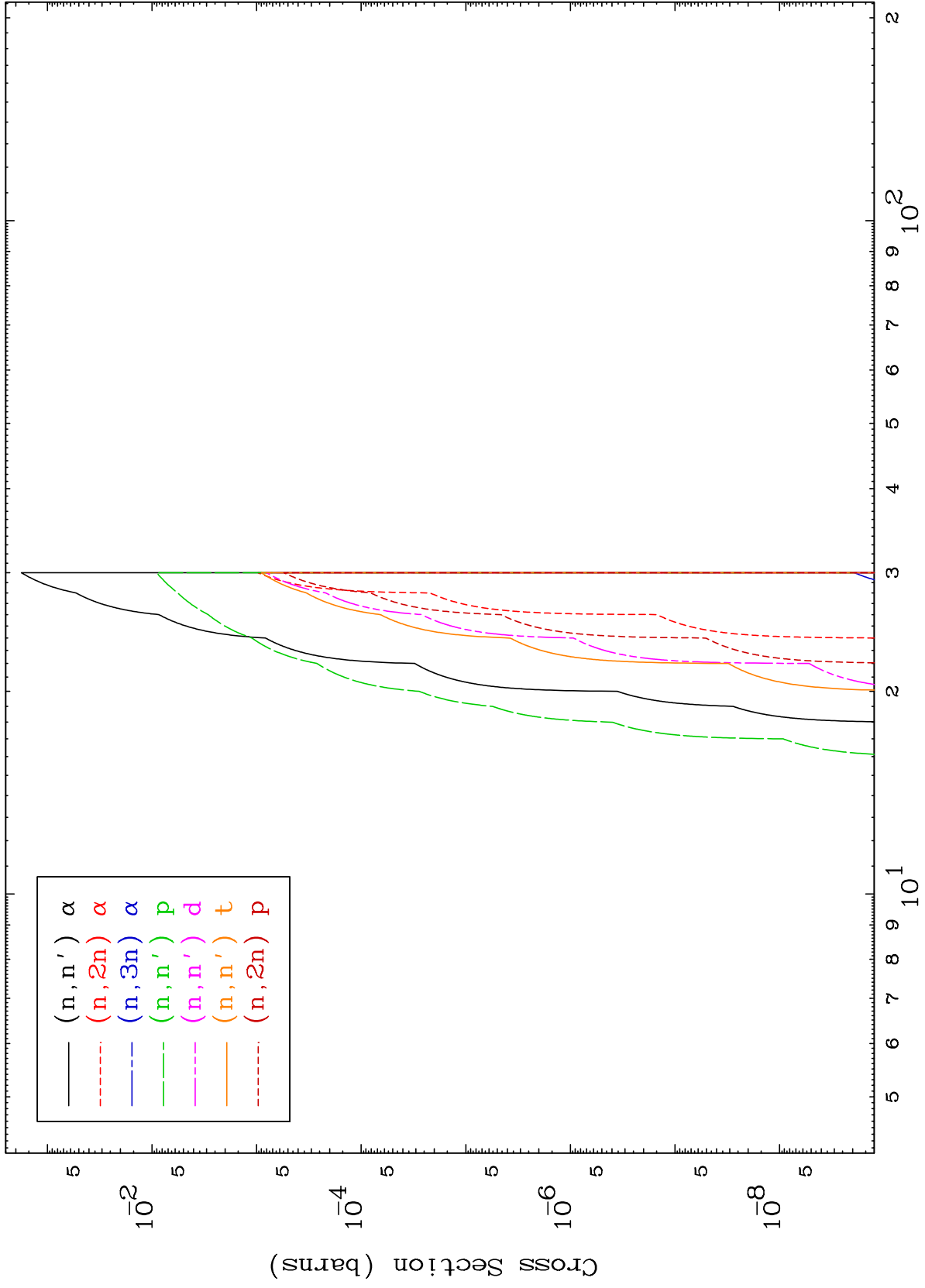
2

MAT 7554

α Neutron Absorption
0 Kelvin Cross Sections

75-Re-194n



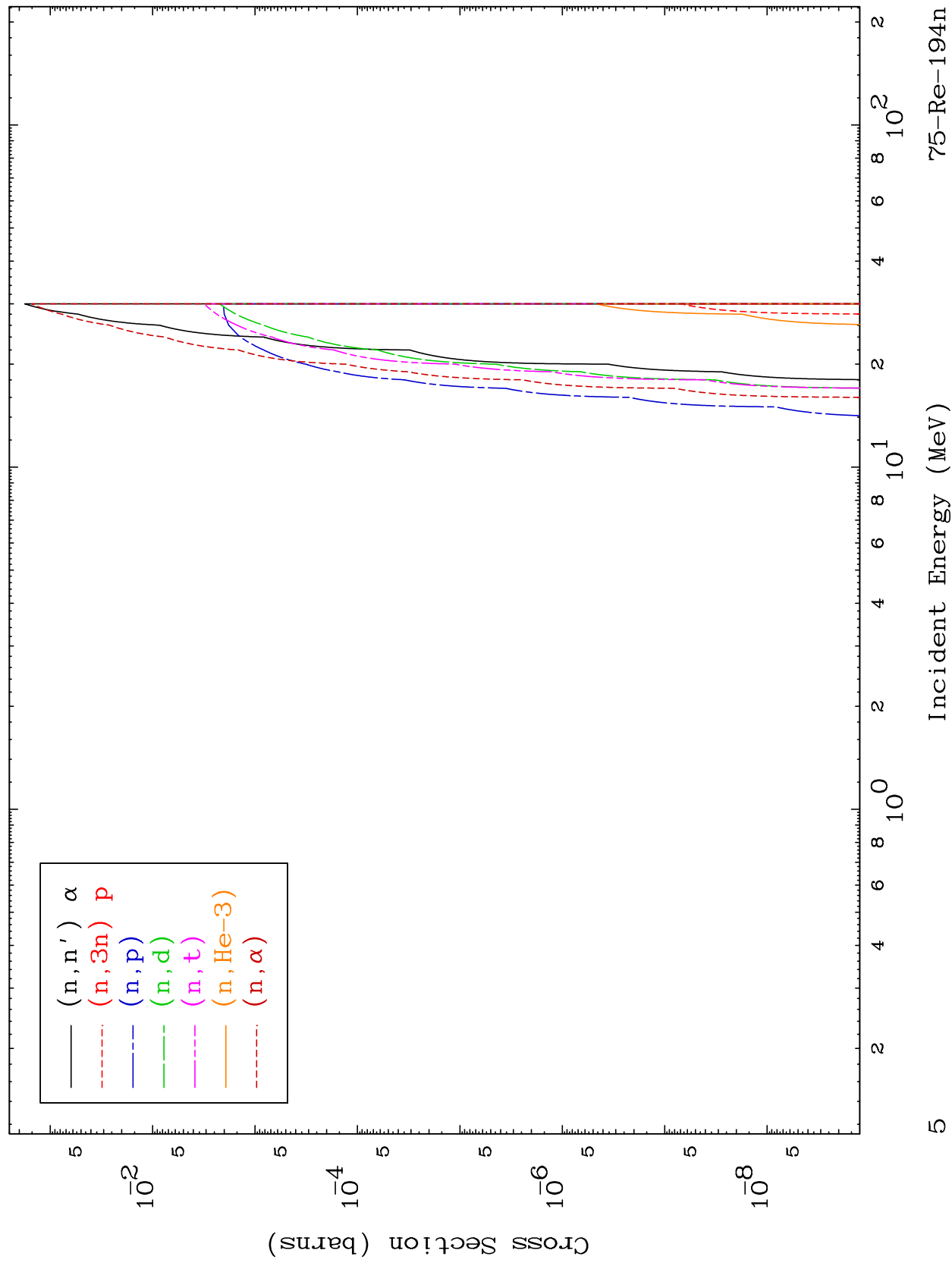


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α Charged Particle

75-Re-194n

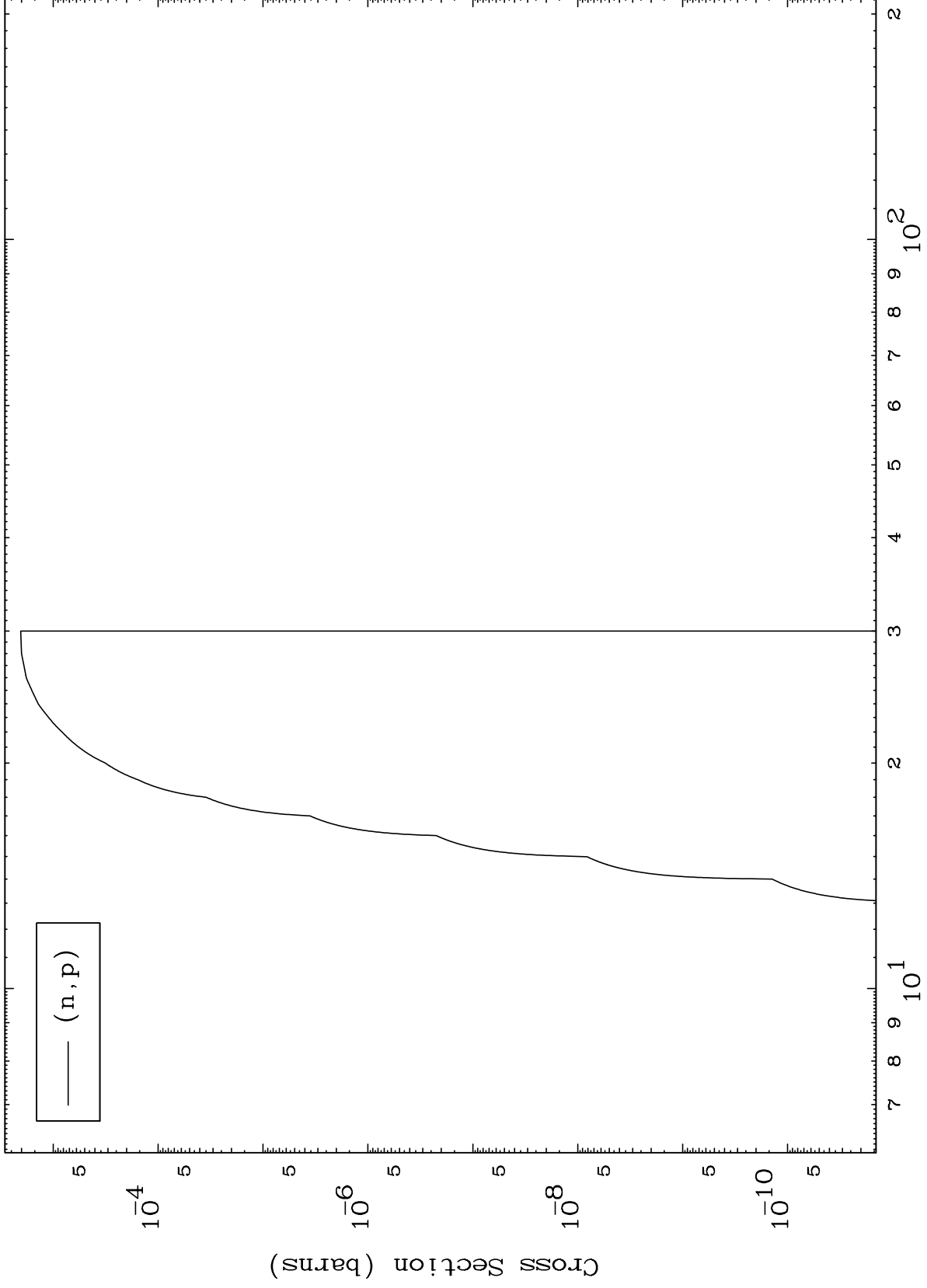
0 Kelvin Cross Sections



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(α, p) Levels
0 Kelvin Cross Sections

75-Re-194n



6

Incident Energy (MeV)

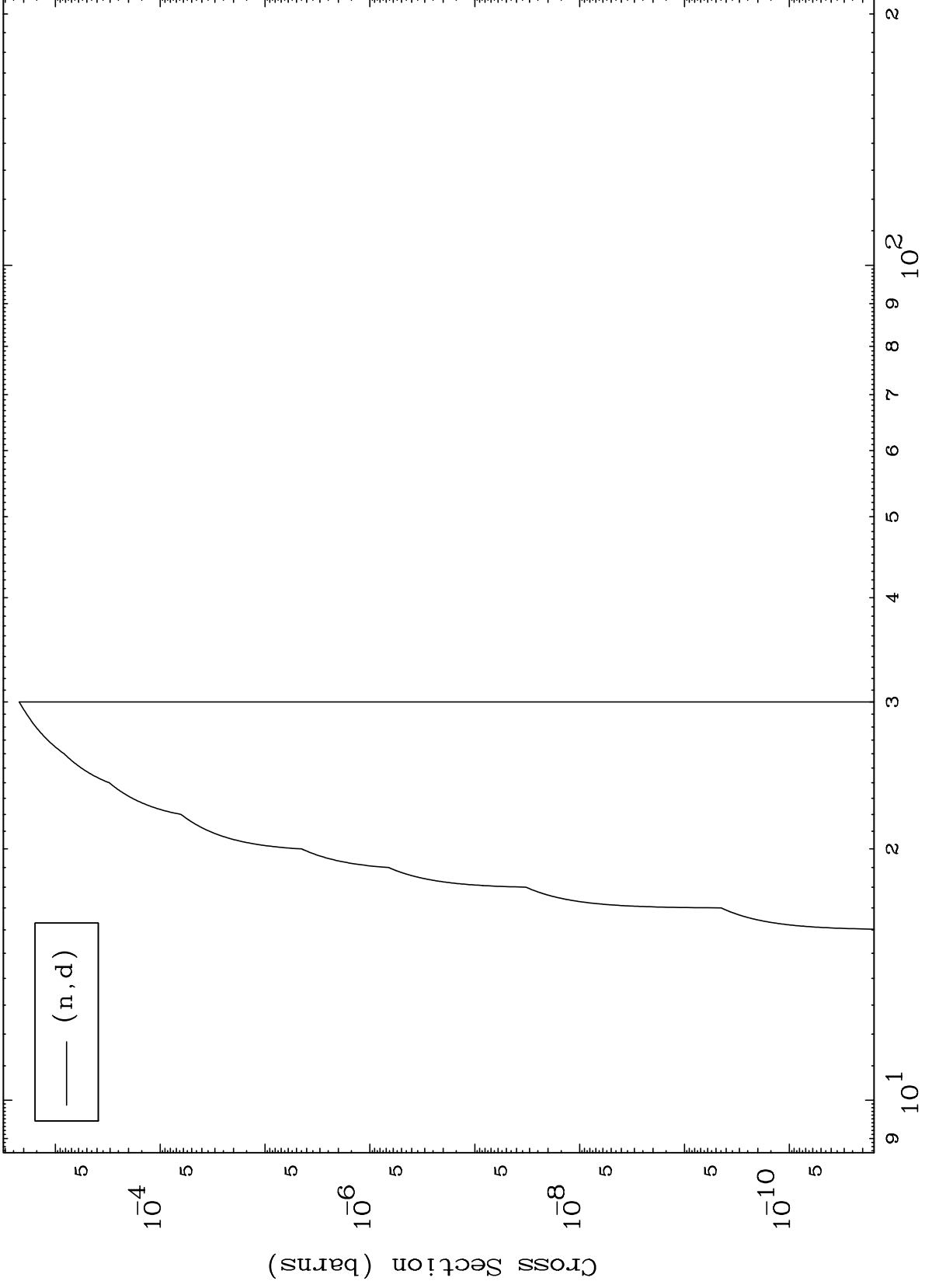
75-Re-194n

MAT 7554

(α, d) Levels

75-Re-194n

0 Kelvin Cross Sections



Incident Energy (MeV)

75-Re-194n

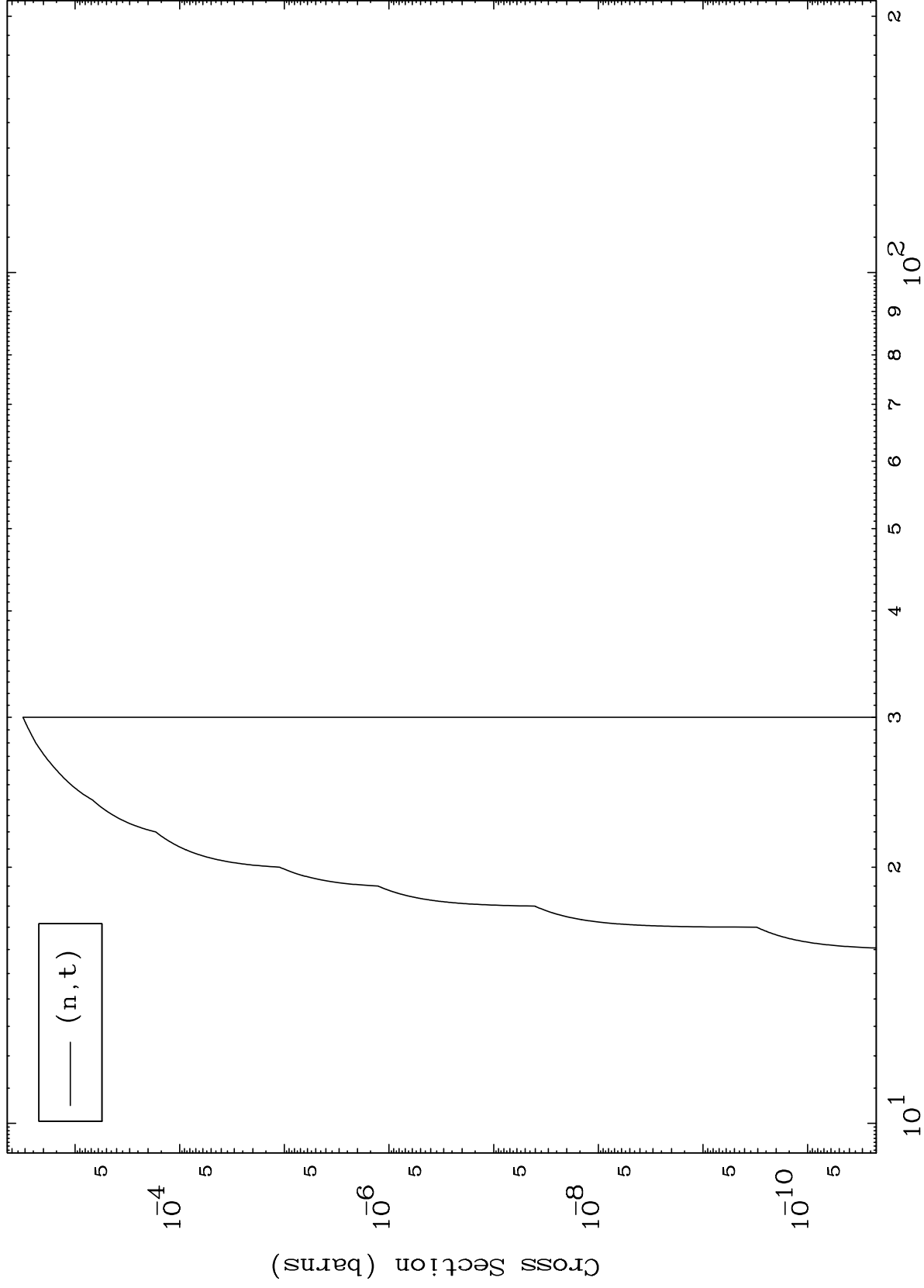
7

MAT 7554

(α, t) Levels

75-Re-194n

0 Kelvin Cross Sections



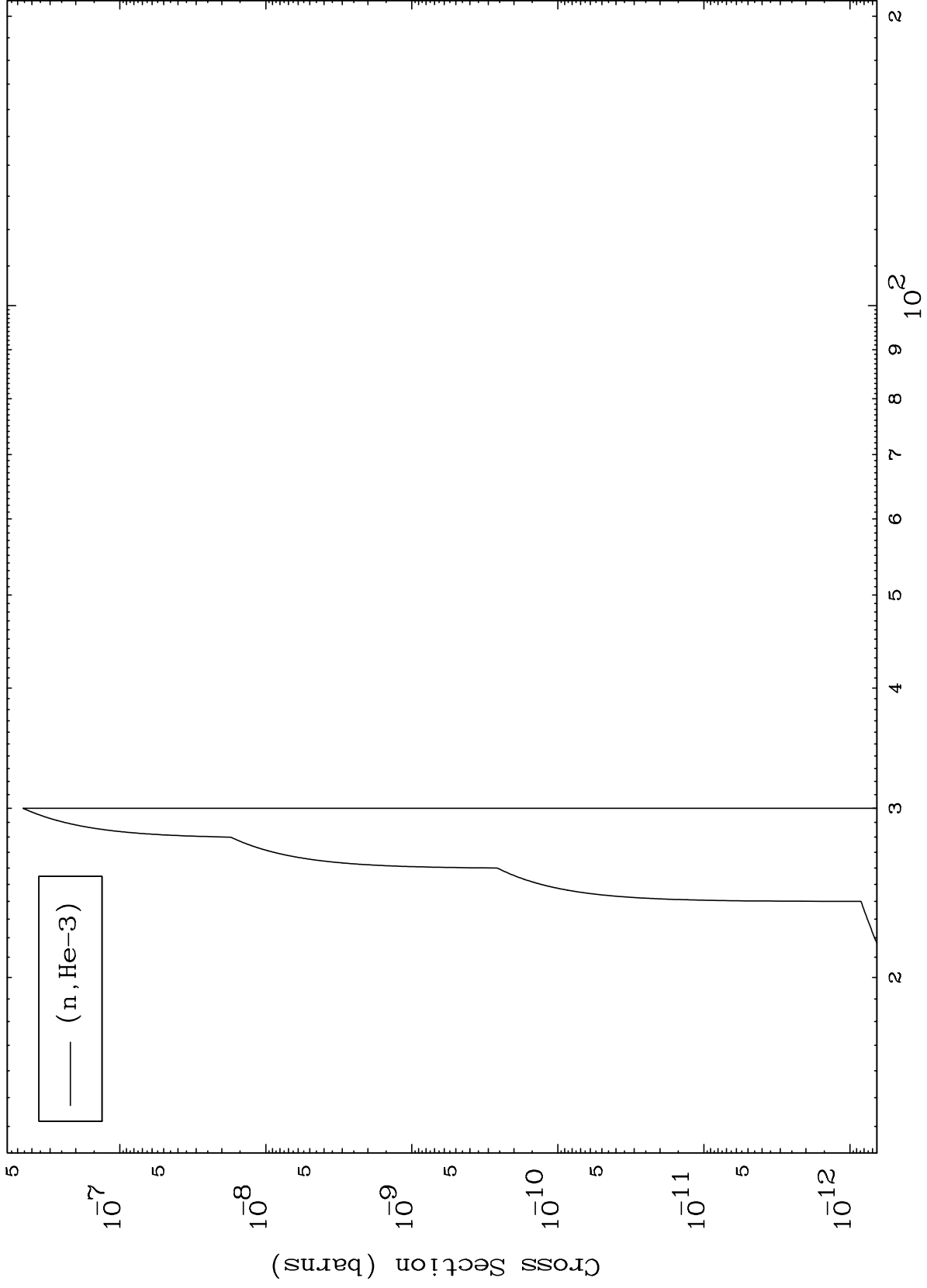
Incident Energy (MeV)

75-Re-194n

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

75-Re-194n



9

Incident Energy (MeV)

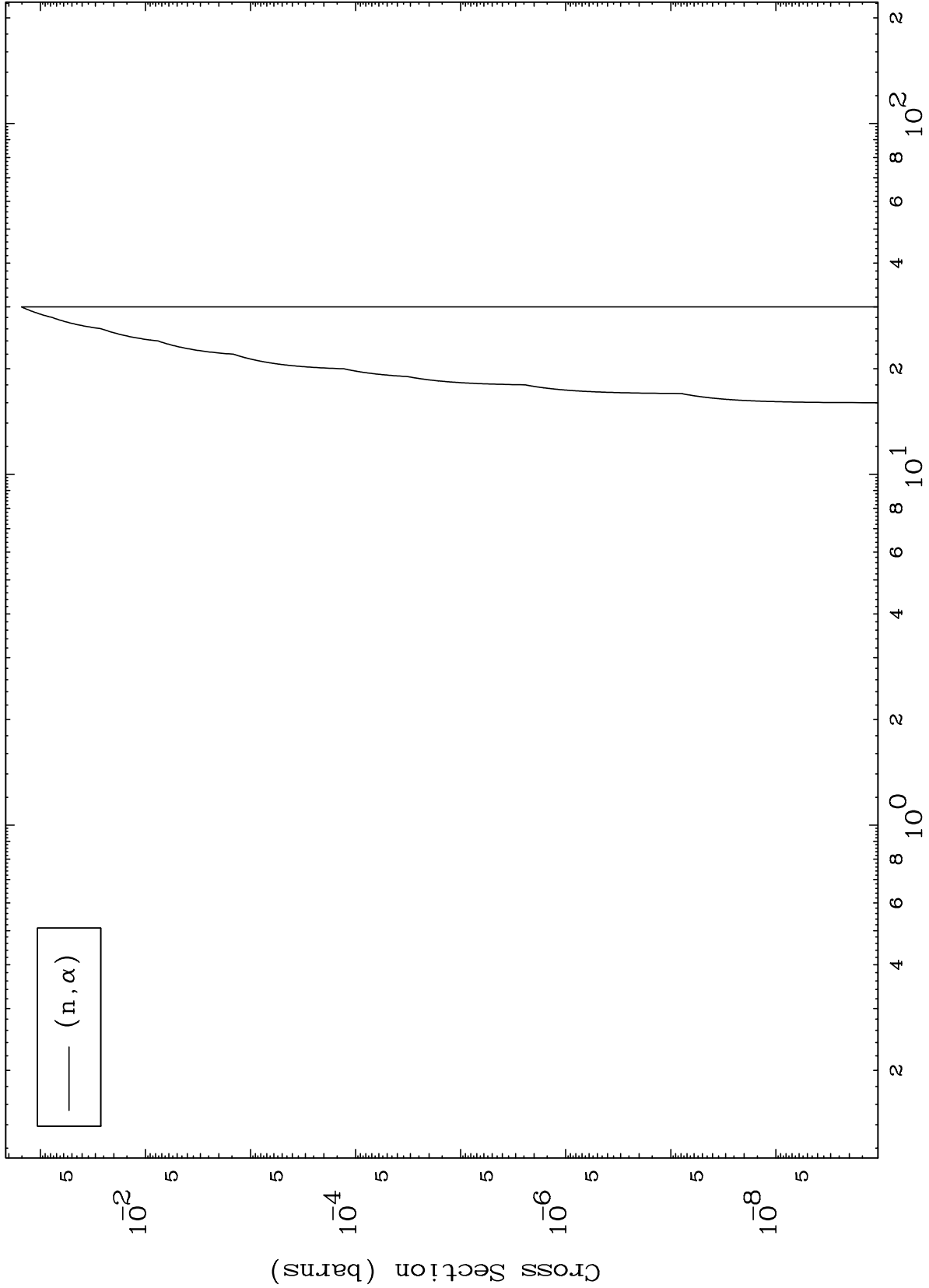
75-Re-194n

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(α, α) Levels

75-Re-194n

0 Kelvin Cross Sections



10

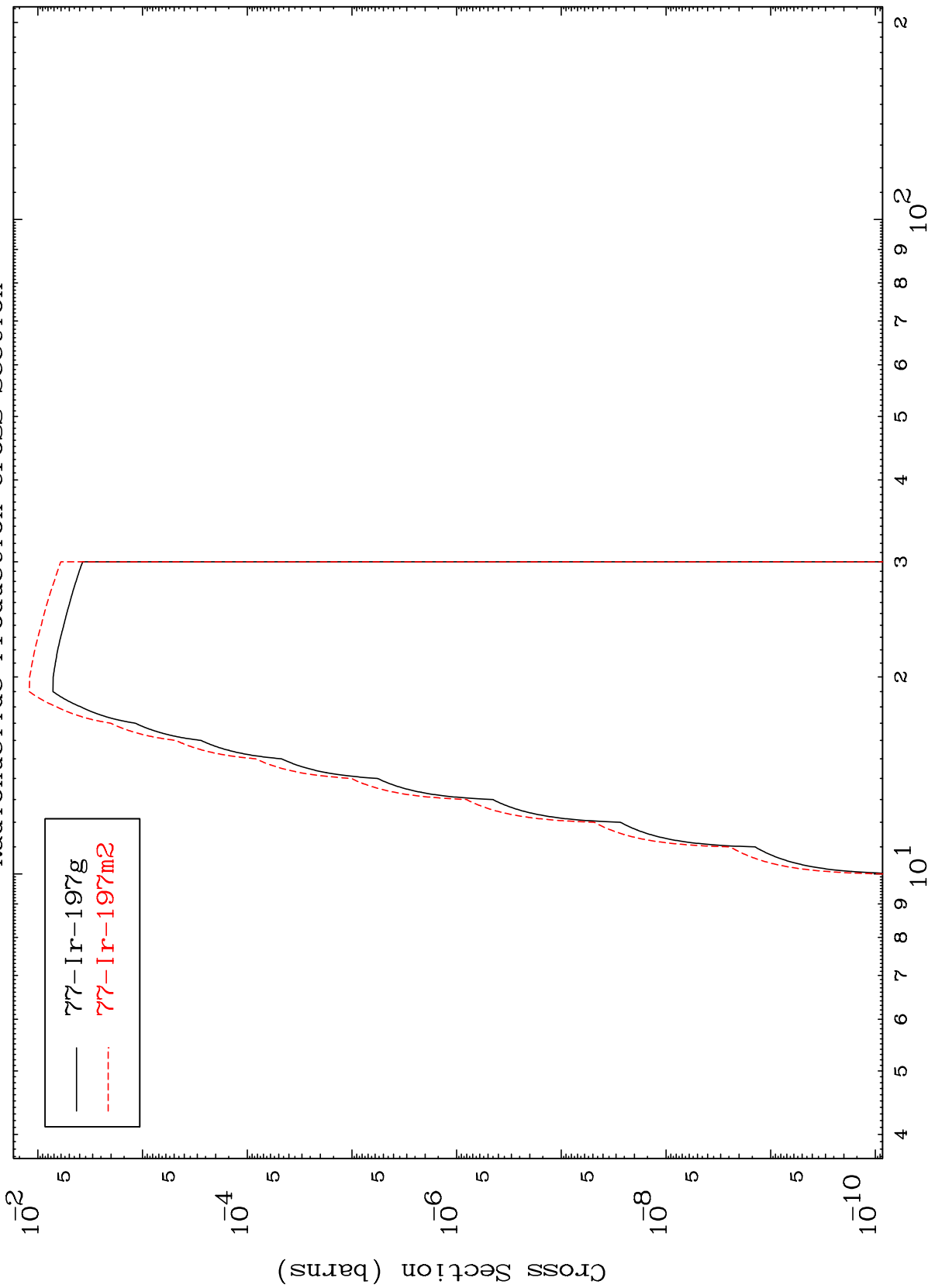
Incident Energy (MeV)

75-Re-194n

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75-Re-194n

Inelastic
Radionuclide Production Cross Section



Incident Energy (MeV)

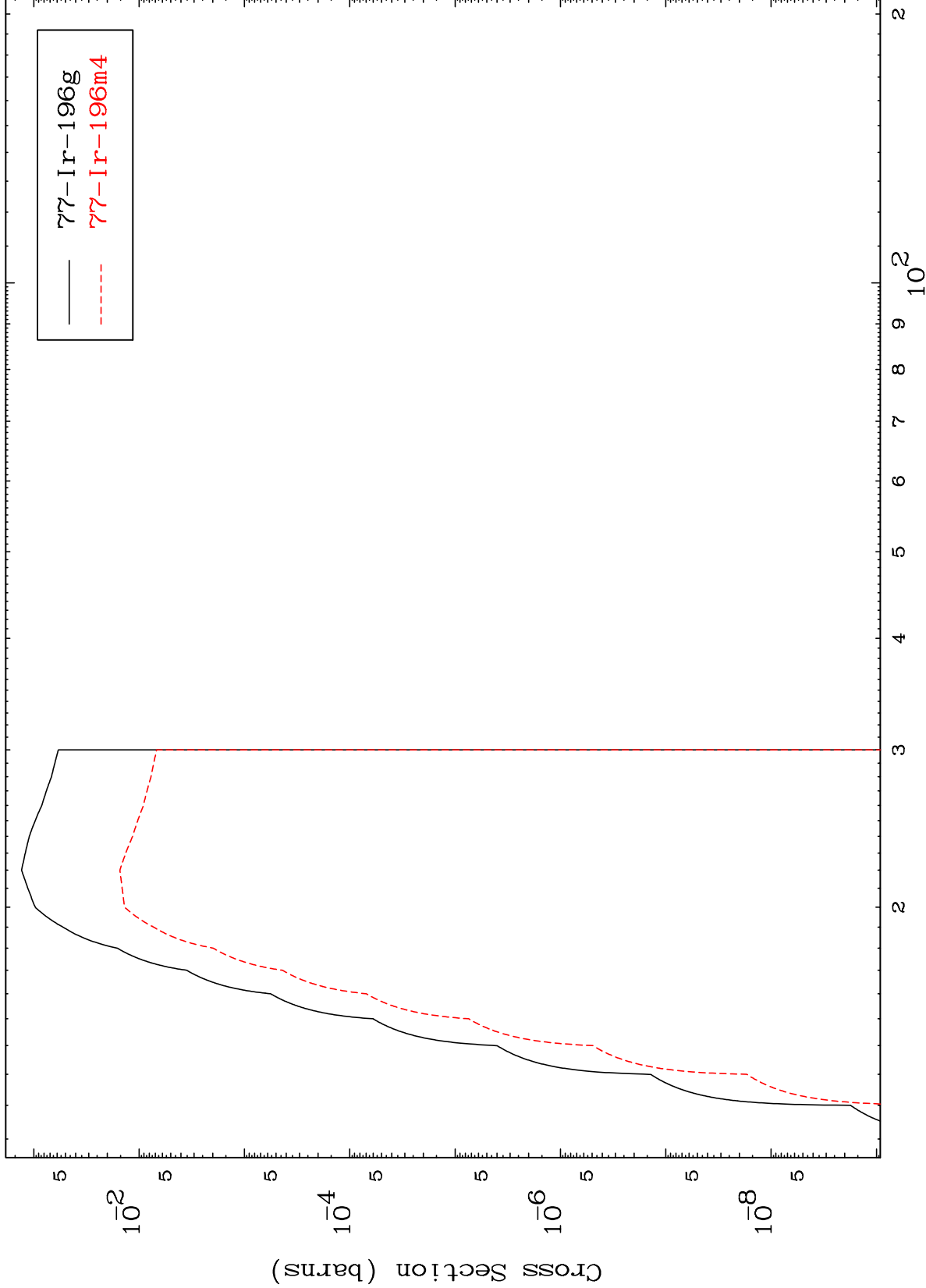
75-Re-194n

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(n,2n)

⁷⁵Re-¹⁹⁴n

Radionuclide Production Cross Section



12

Incident Energy (MeV)

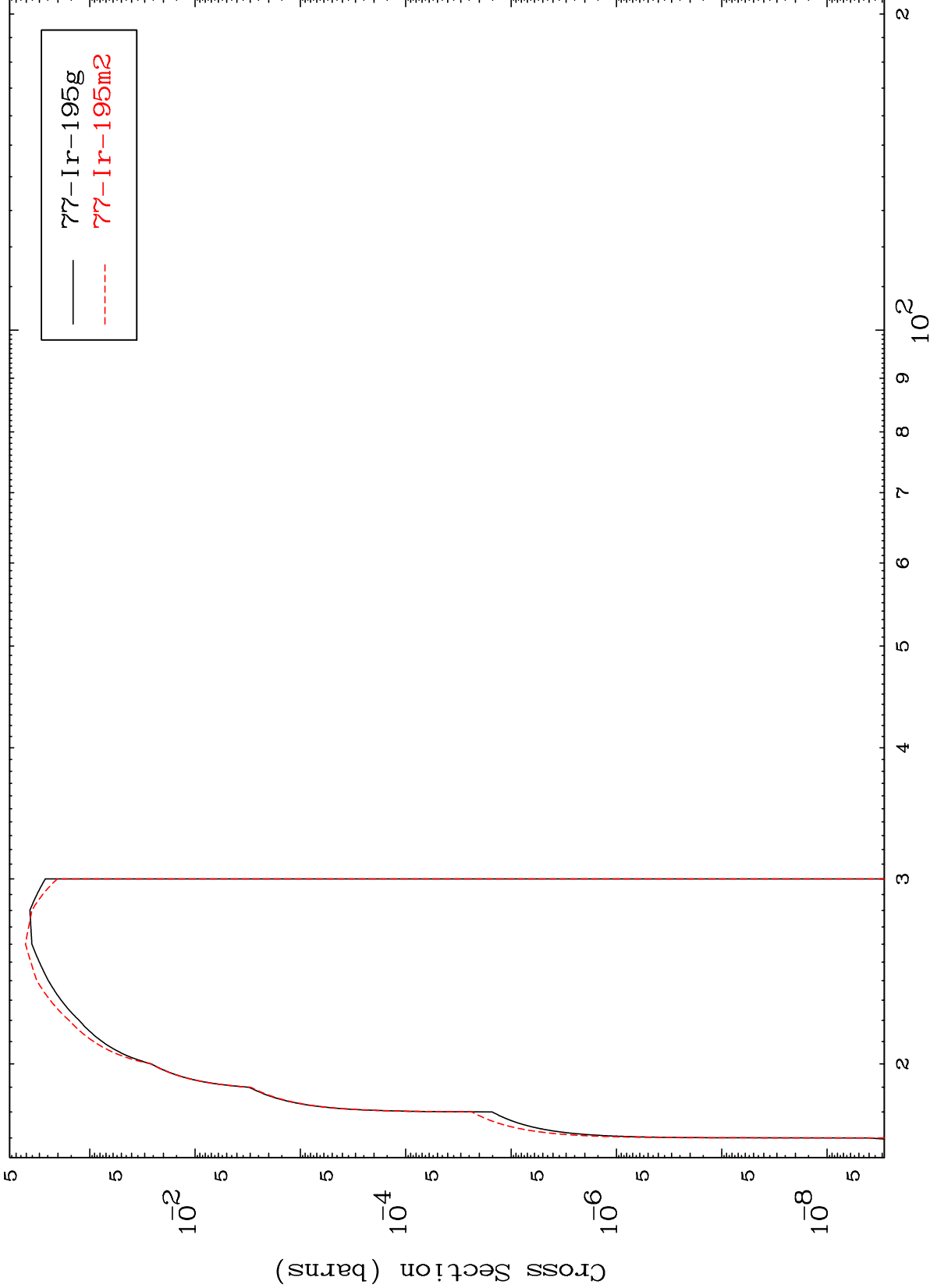
⁷⁵Re-¹⁹⁴n

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(n,3n)

75-Re-194n

Radionuclide Production Cross Section



13

Incident Energy (MeV)

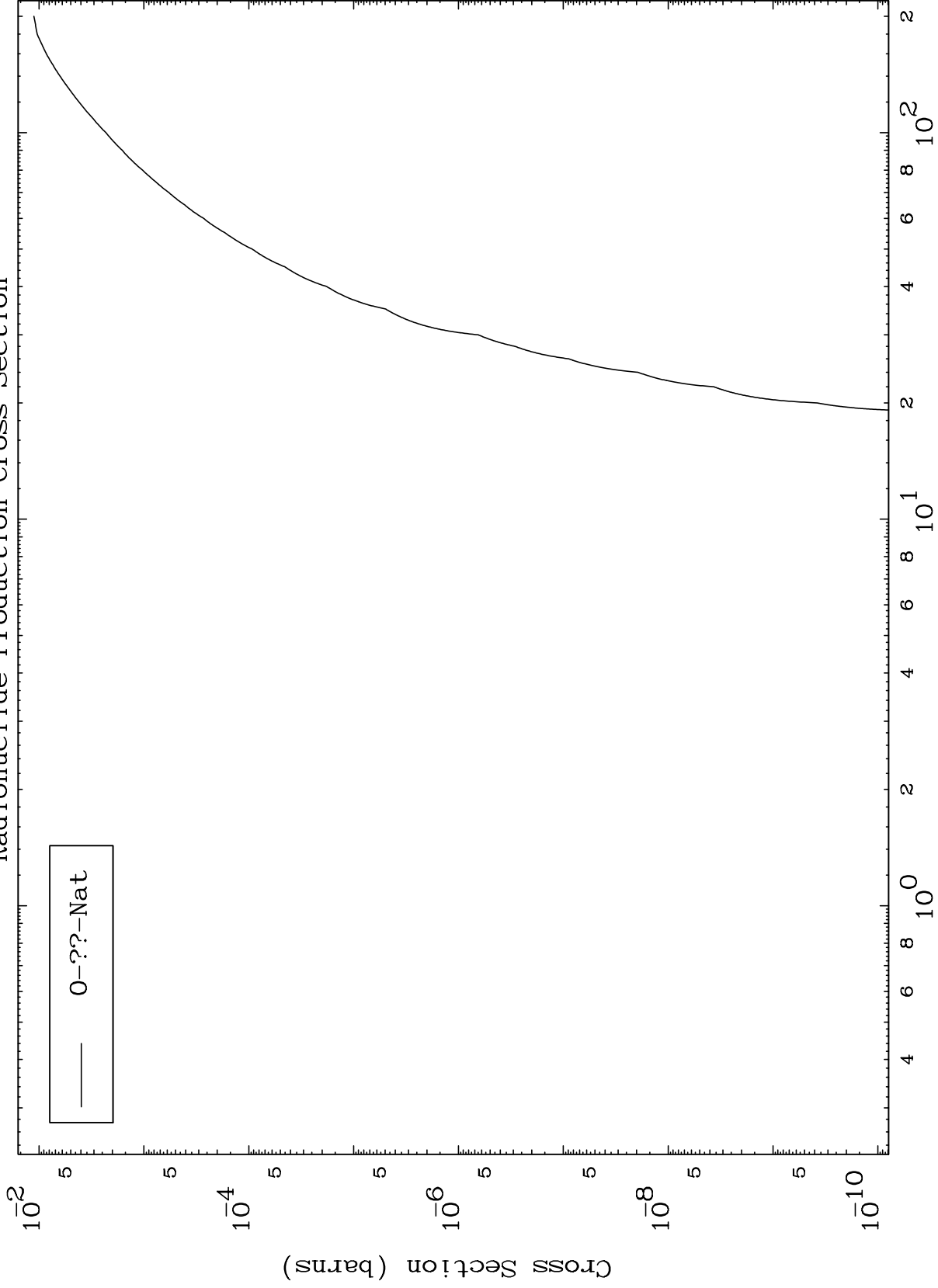
75-Re-194n

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Fission

⁷⁵Re-¹⁹⁴n

Radionuclide Production Cross Section

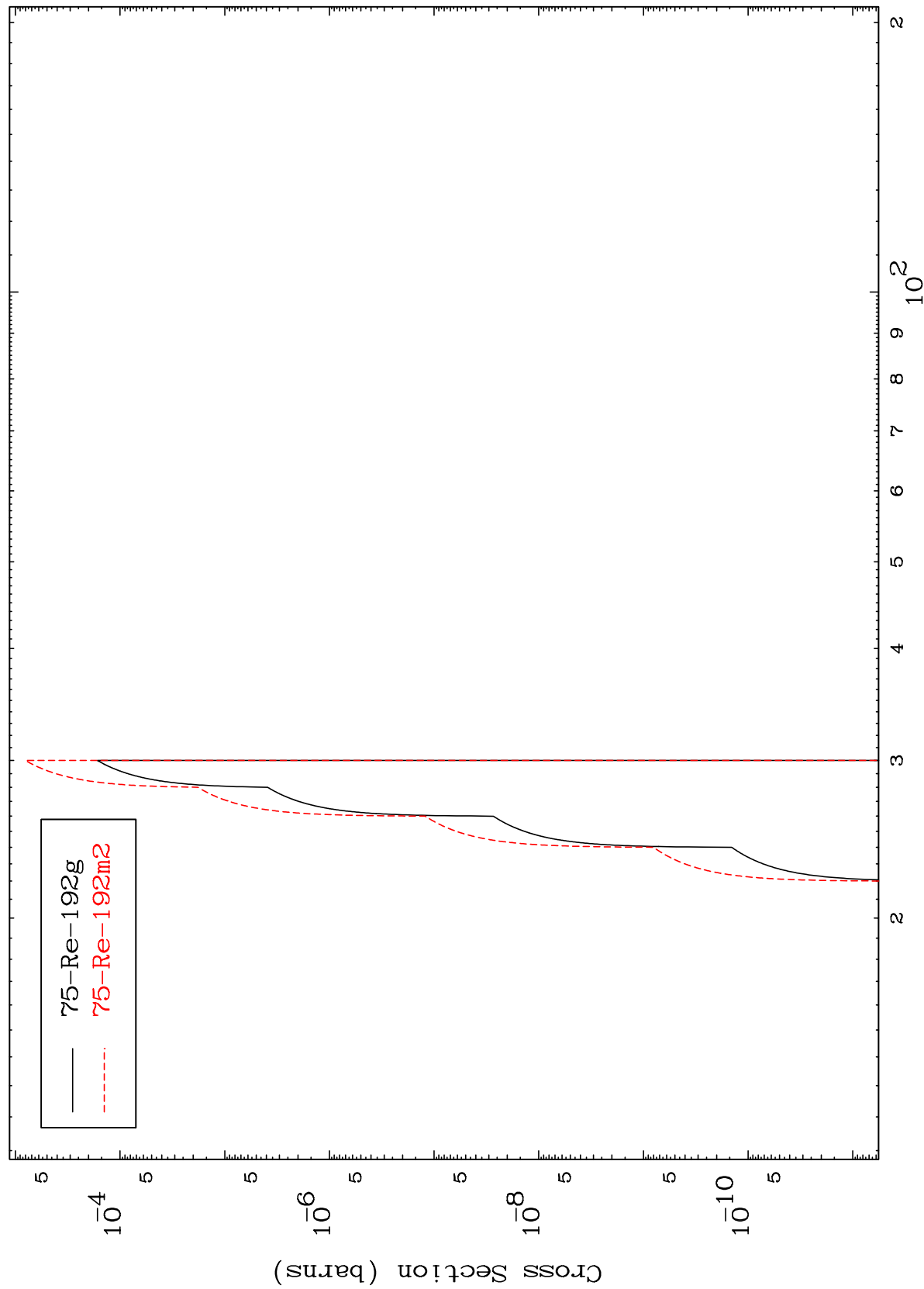


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⁷⁵Re-194n

(n,2n) α

Radionuclide Production Cross Section



15

Incident Energy (MeV)

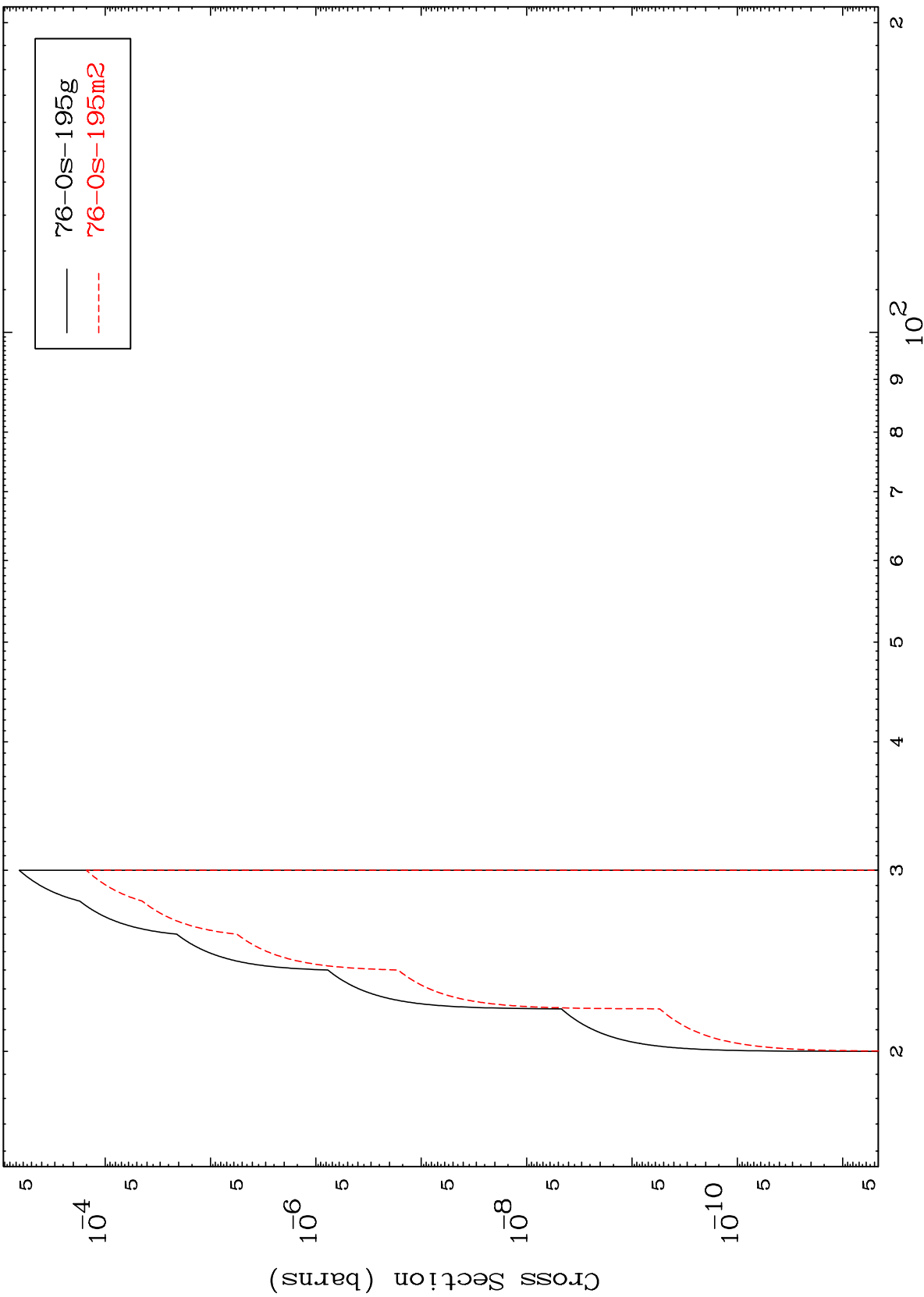
⁷⁵Re-194n

MAT 7554

(n,n') d

75-Re-194n

Radionuclide Production Cross Section



16

Incident Energy (MeV)

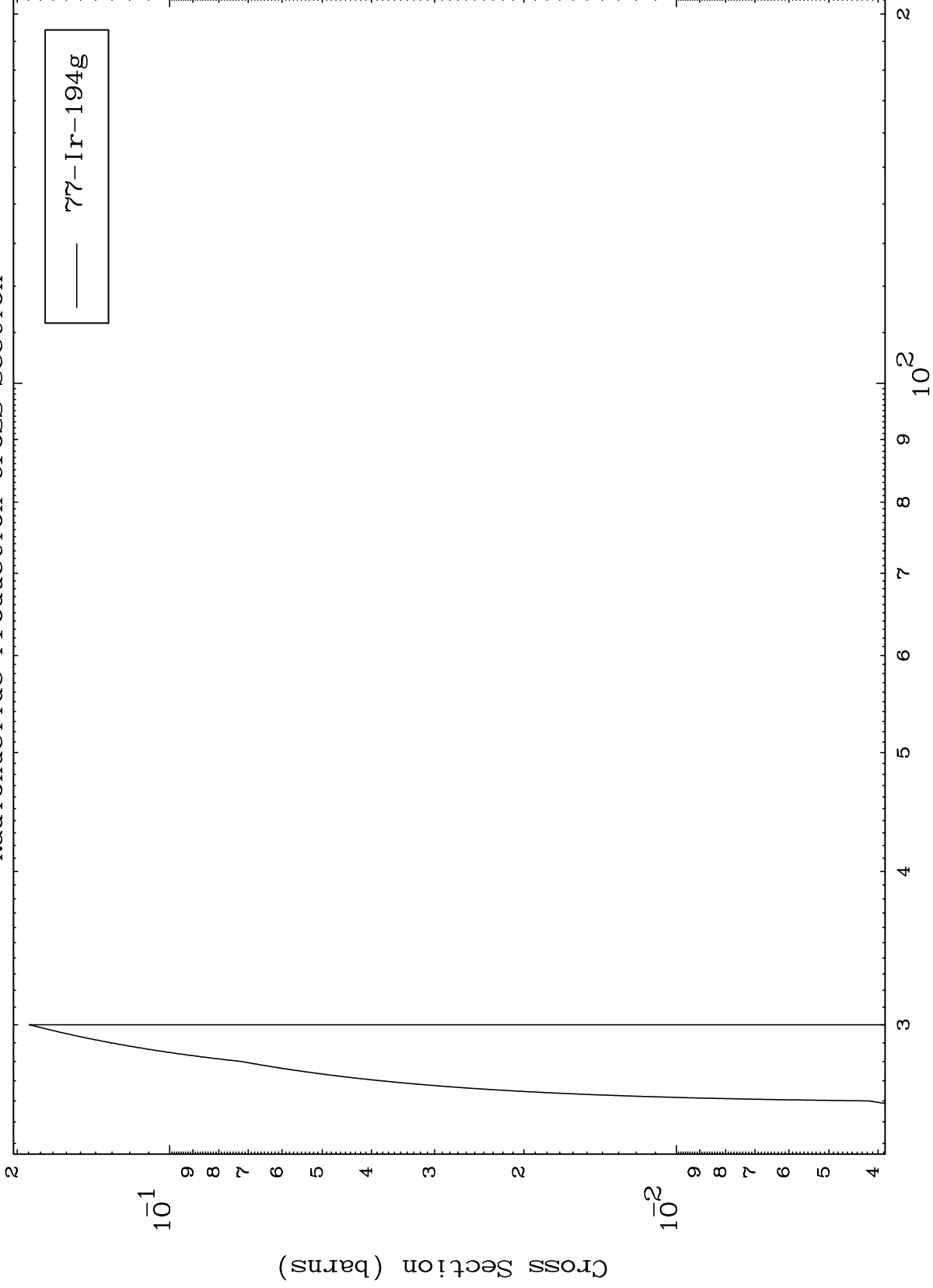
75-Re-194n

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(n,4n)

75-Re-194n

Radionuclide Production Cross Section



17

Incident Energy (MeV)

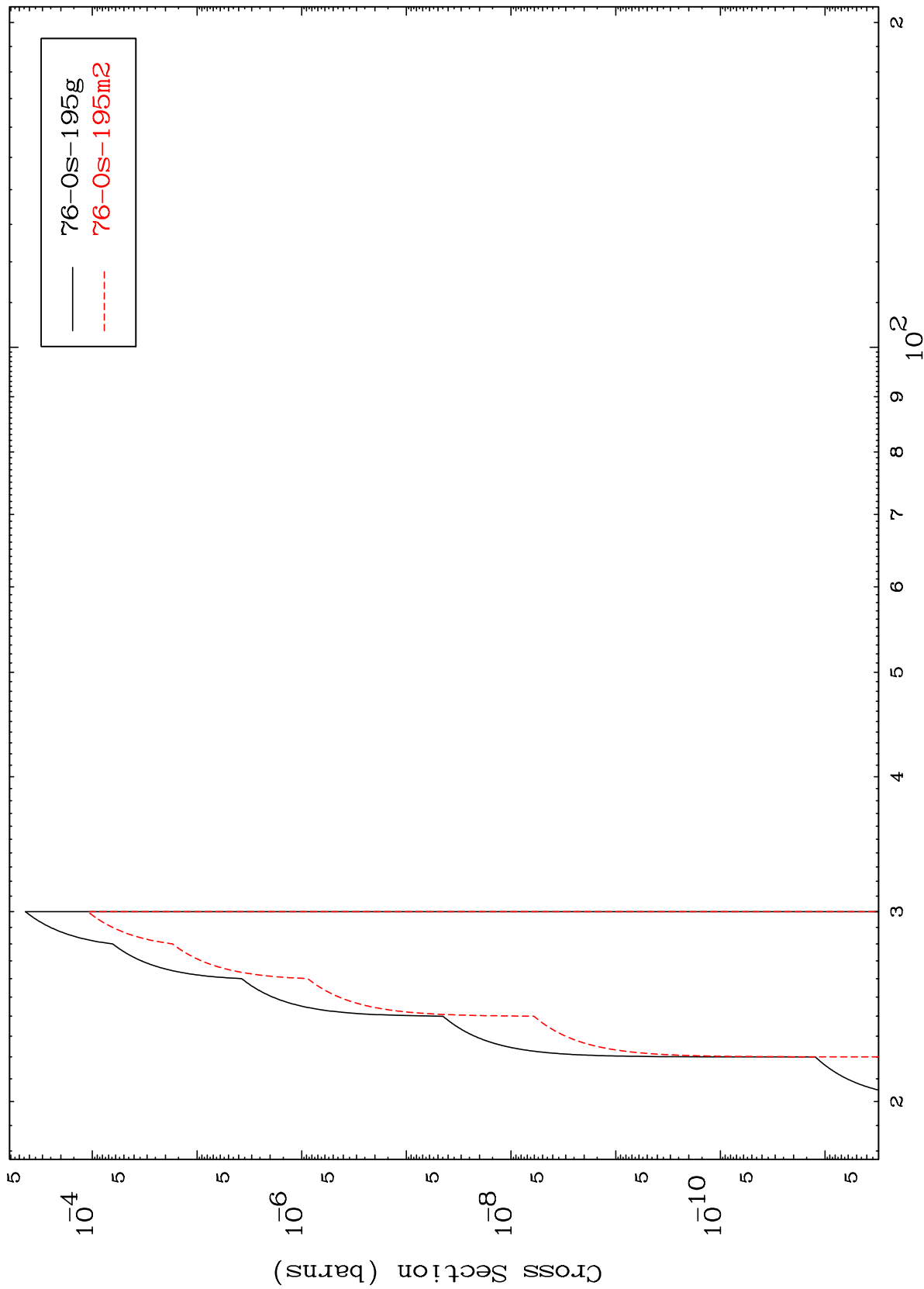
75-Re-194n

MAT 7554

(n,2n) p

⁷⁵Re-¹⁹⁴n

Radionuclide Production Cross Section



18

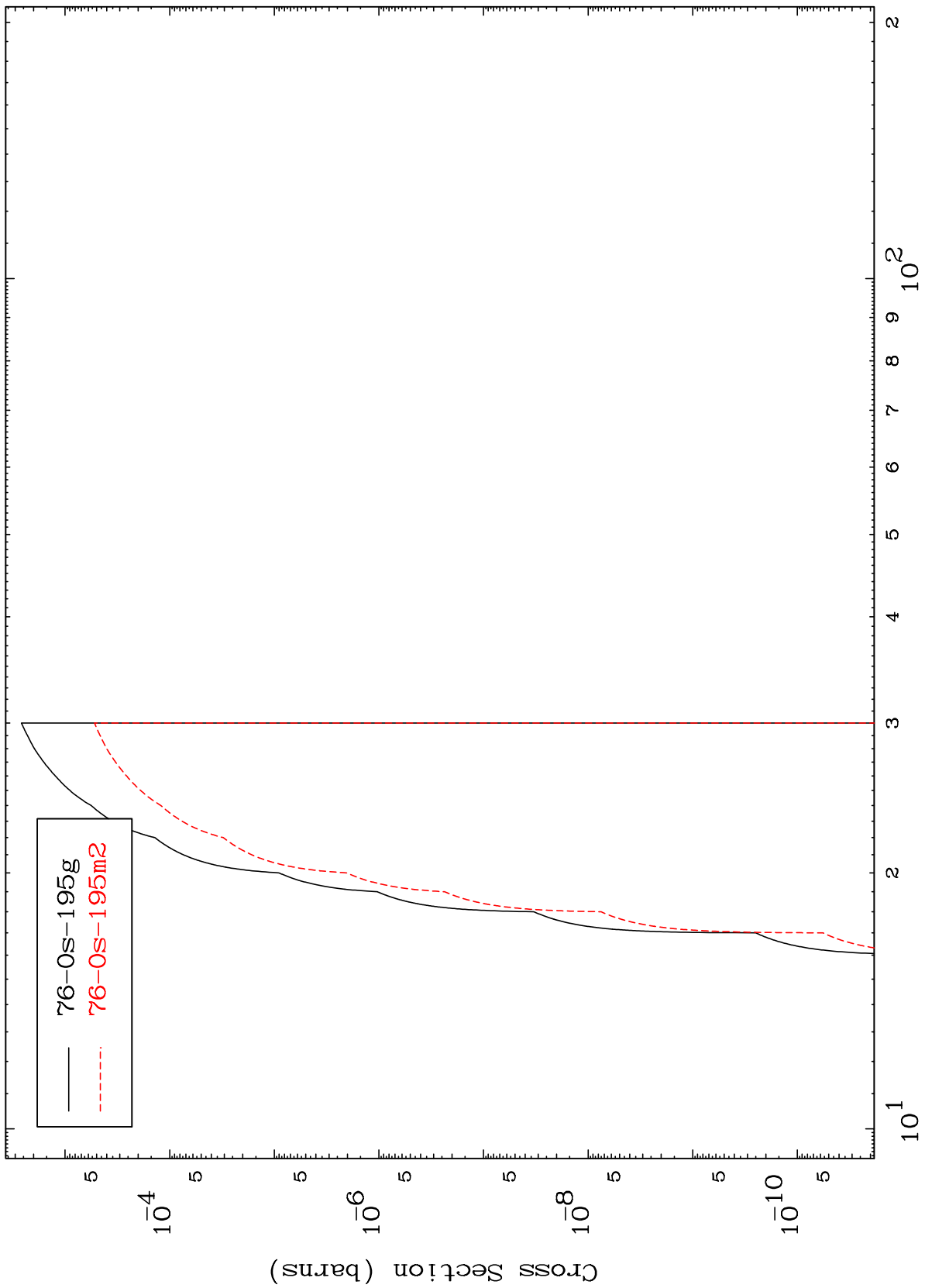
Incident Energy (MeV)

⁷⁵Re-¹⁹⁴n

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75-Re-194n

(n, t)
Radionuclide Production Cross Section

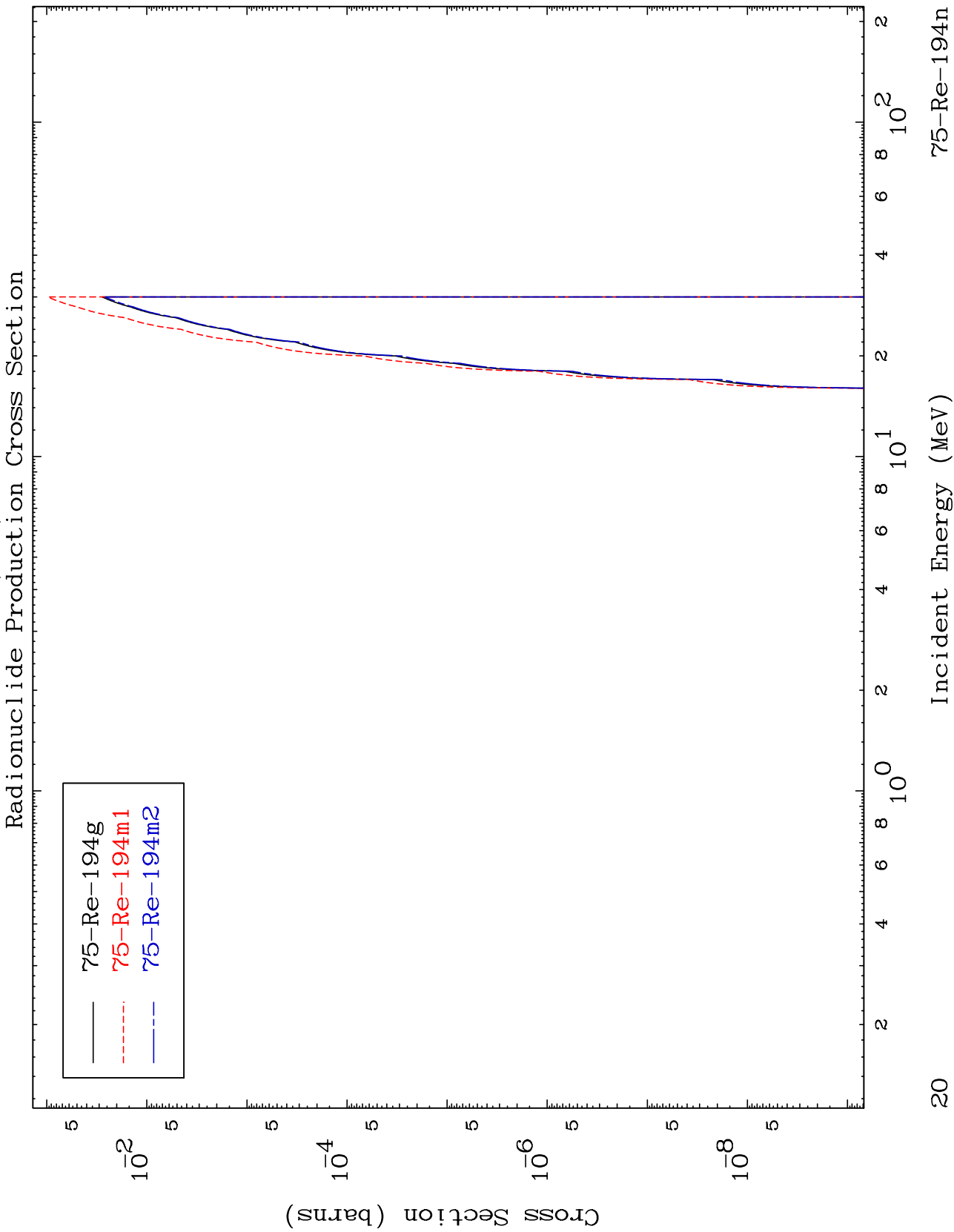


Incident Energy (MeV)

75-Re-194n

MAT 7554

⁷⁵Re-¹⁹⁴n



Legend:
— 75-Re-194g
- - - 75-Re-194m1
- - - 75-Re-194m2