

Program EVALPLOT
(Version 2021-1)

by

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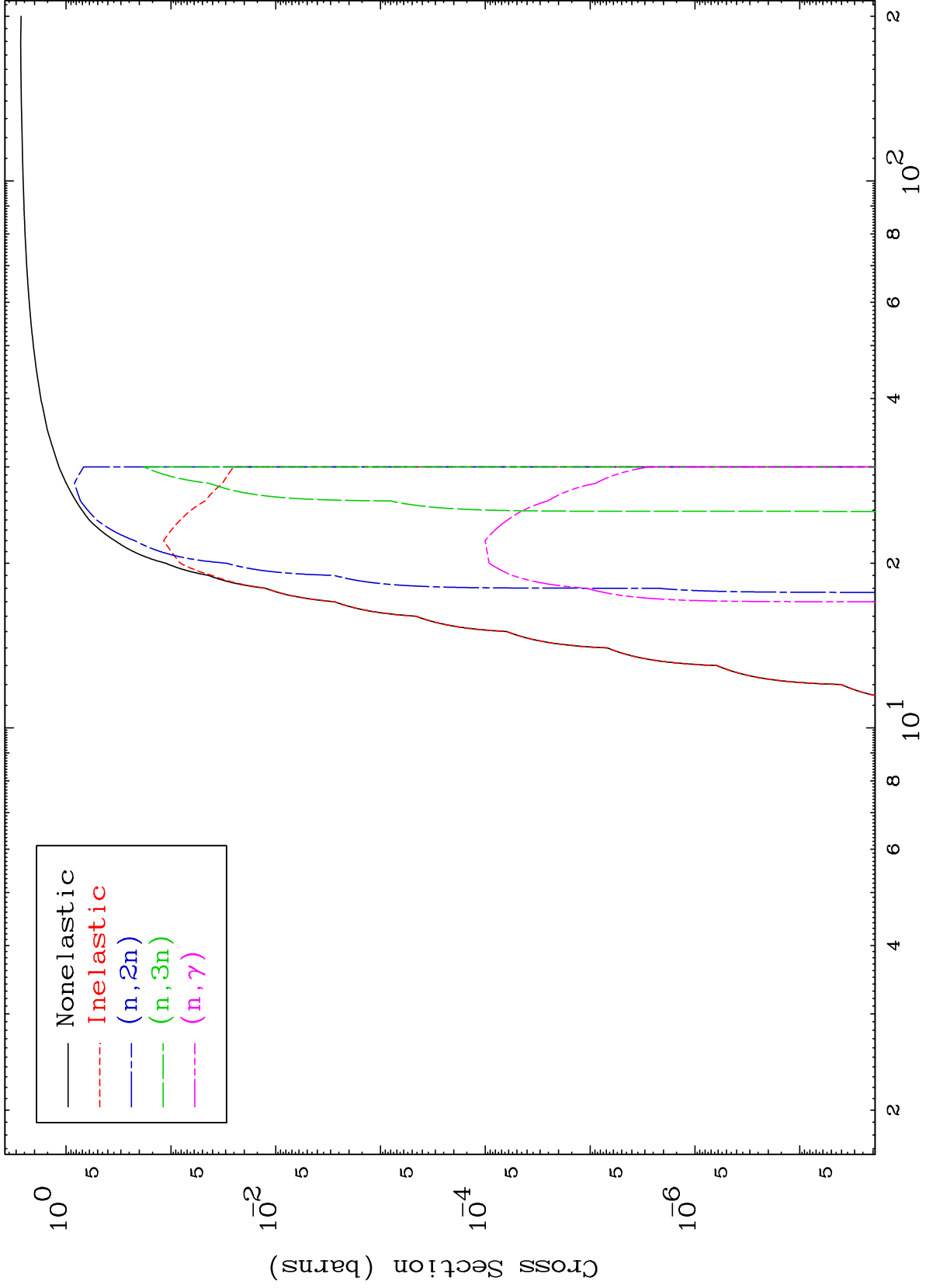
Press Mouse Button to Start

MAT 7724

0 Kelvin

Major Cross Sections

⁷⁷Ir-190n



1

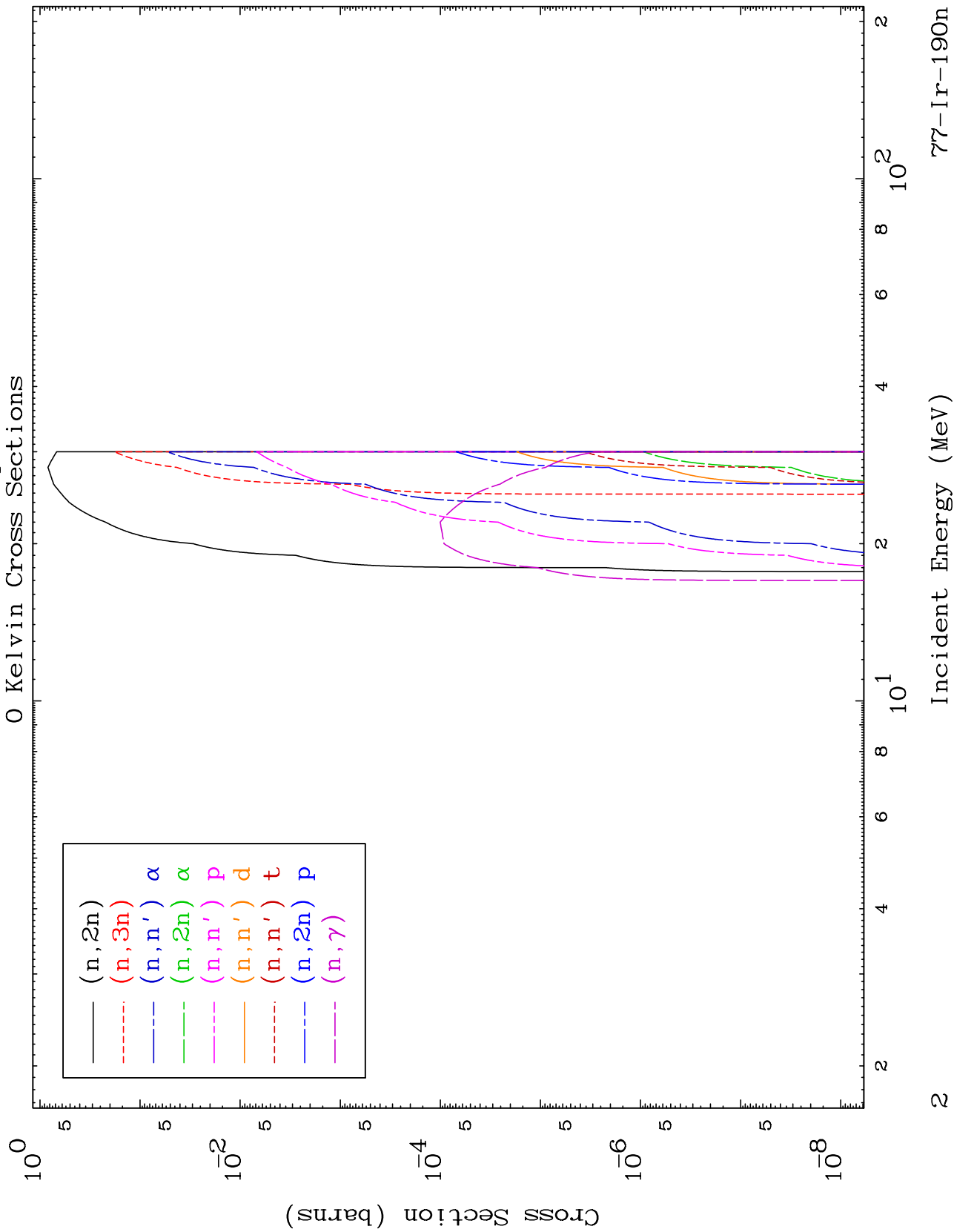
Incident Energy (MeV)

⁷⁷Ir-190n

MAT 7724

α Neutron Absorption
0 Kelvin Cross Sections

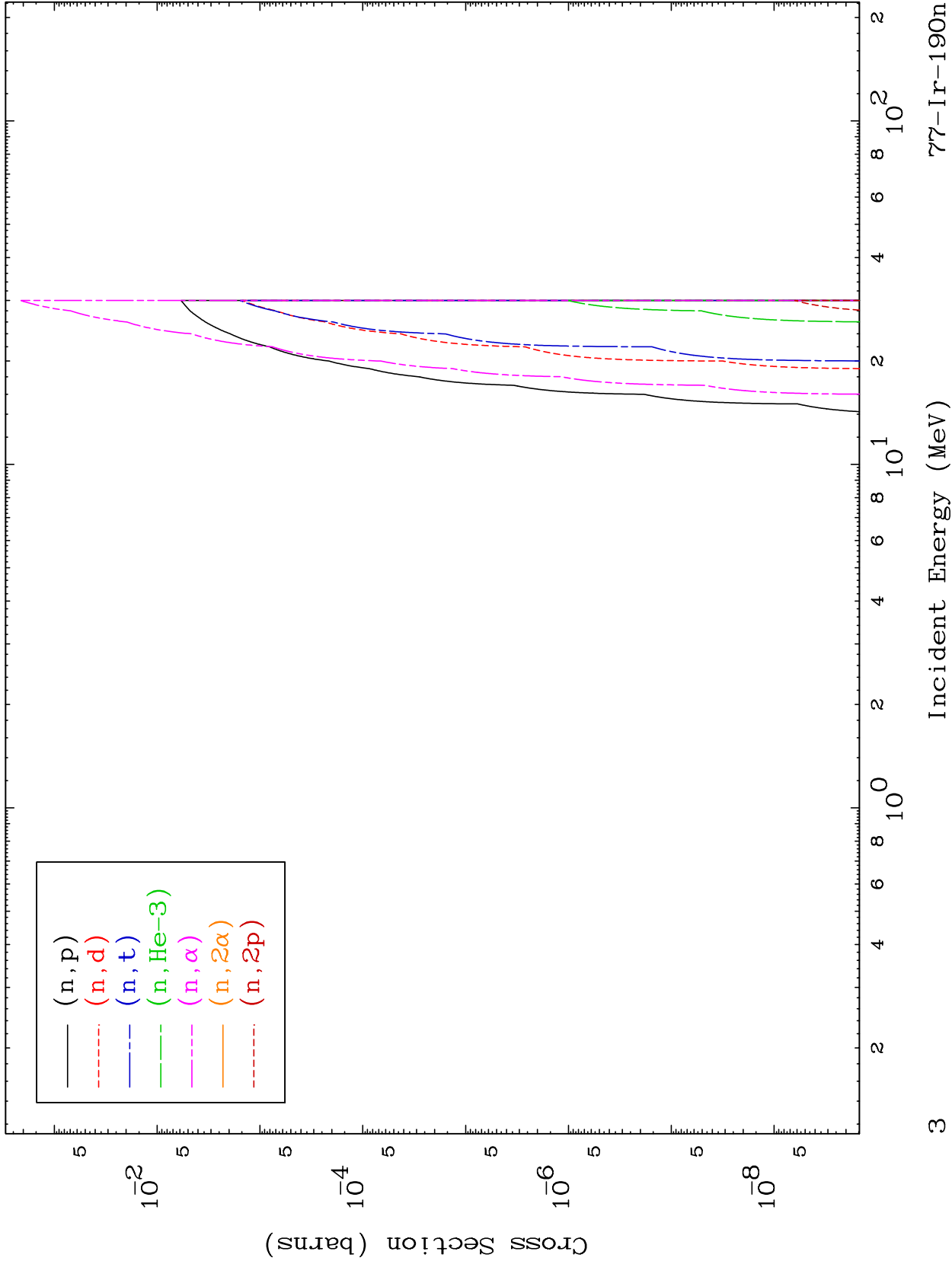
77-Ir-190n

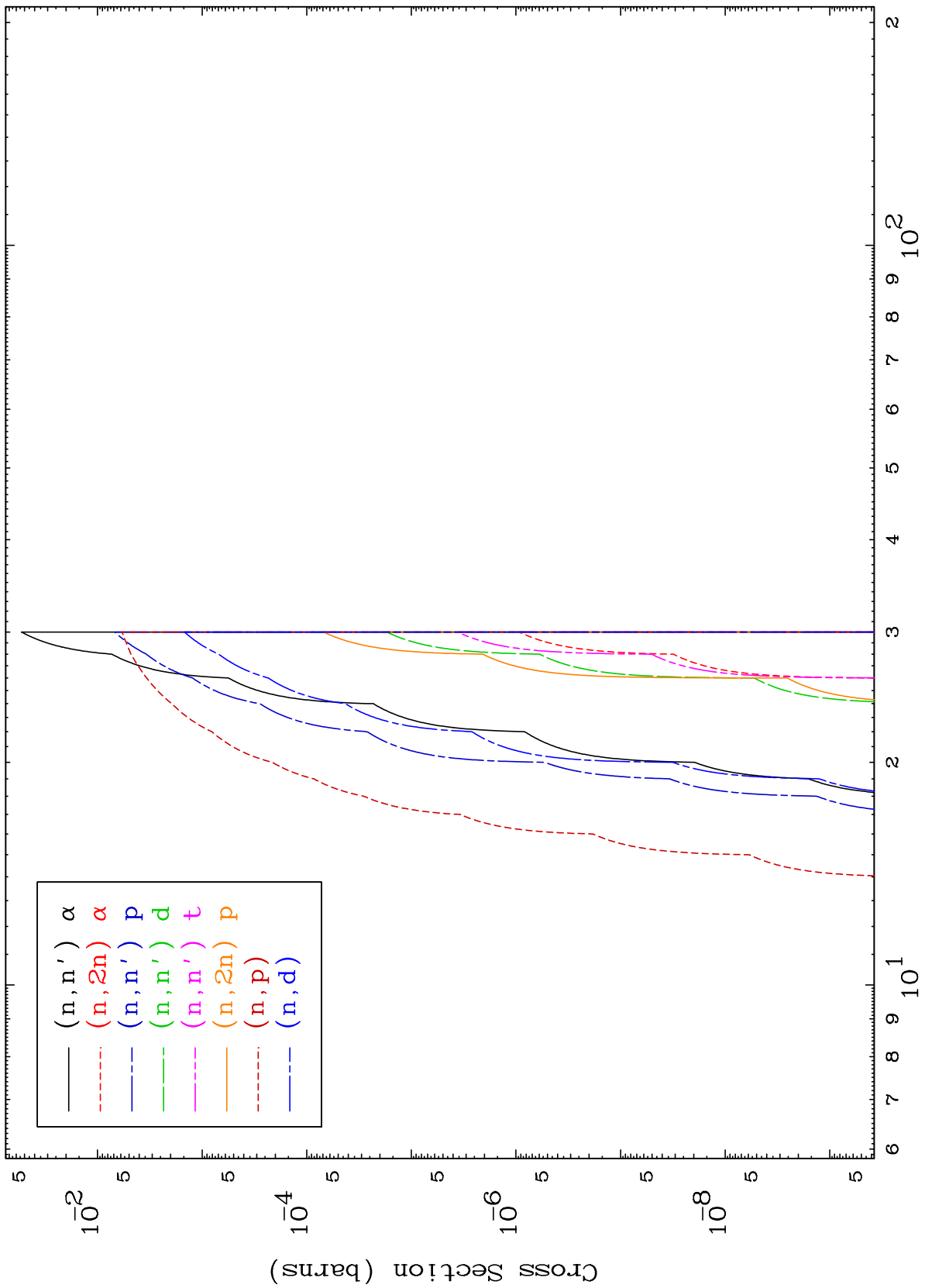


MAT 7724

α Neutron Absorption
0 Kelvin Cross Sections

77-Ir-190n

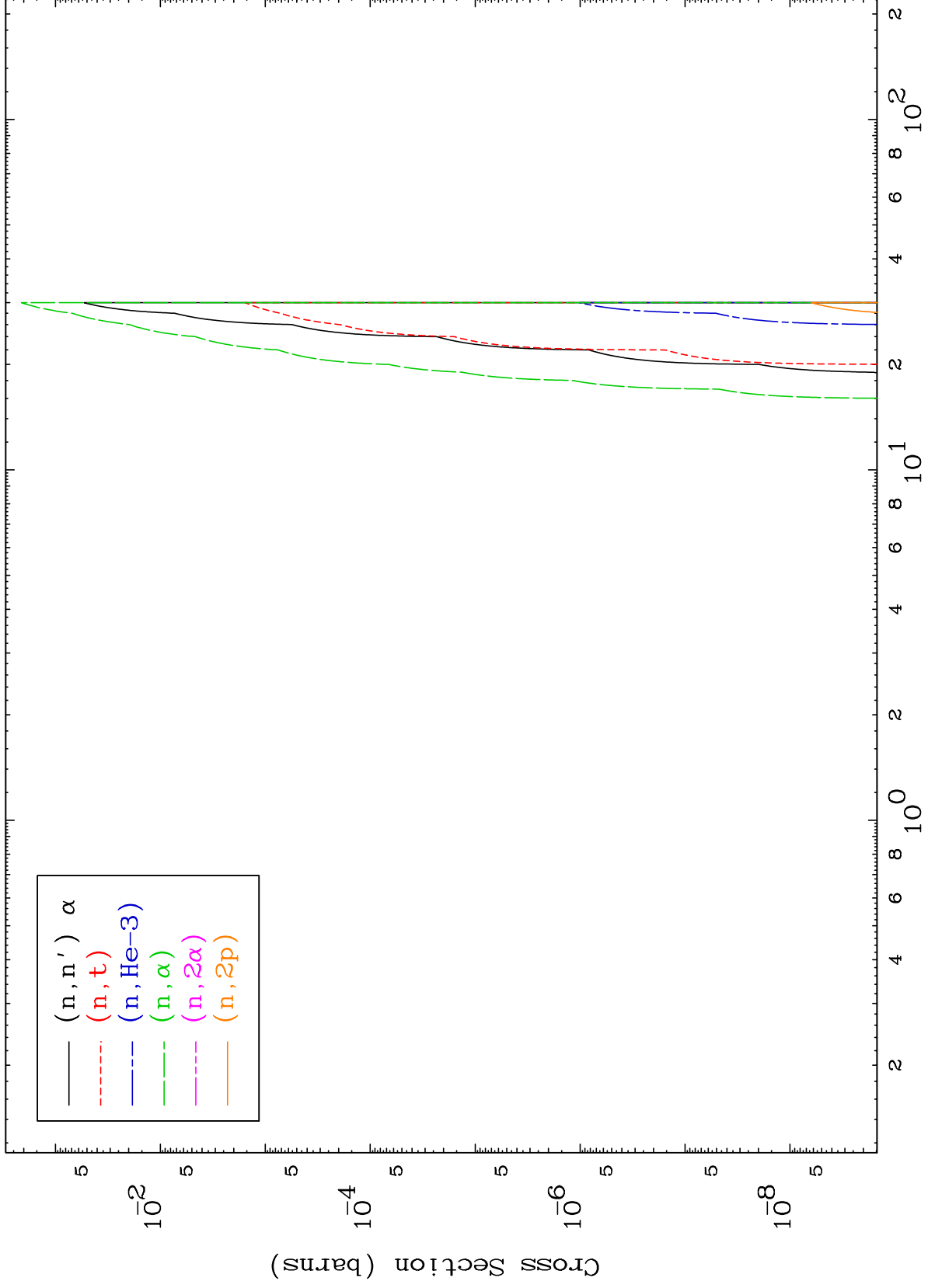




MAT 7724

α Charged Particle
0 Kelvin Cross Sections

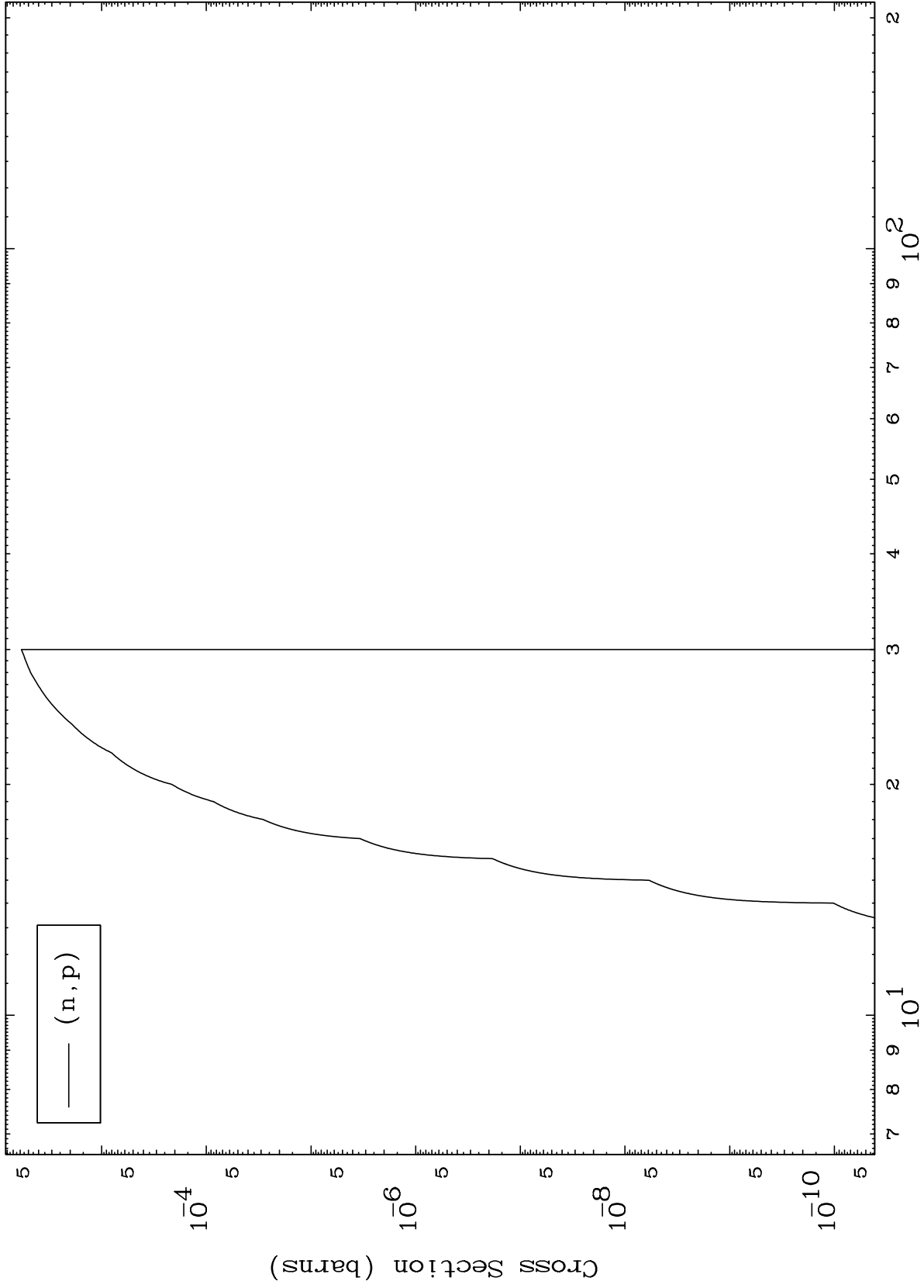
⁷⁷Ir-190n



MAT 7724

(α, p) Levels
0 Kelvin Cross Sections

77-Ir-190n



6

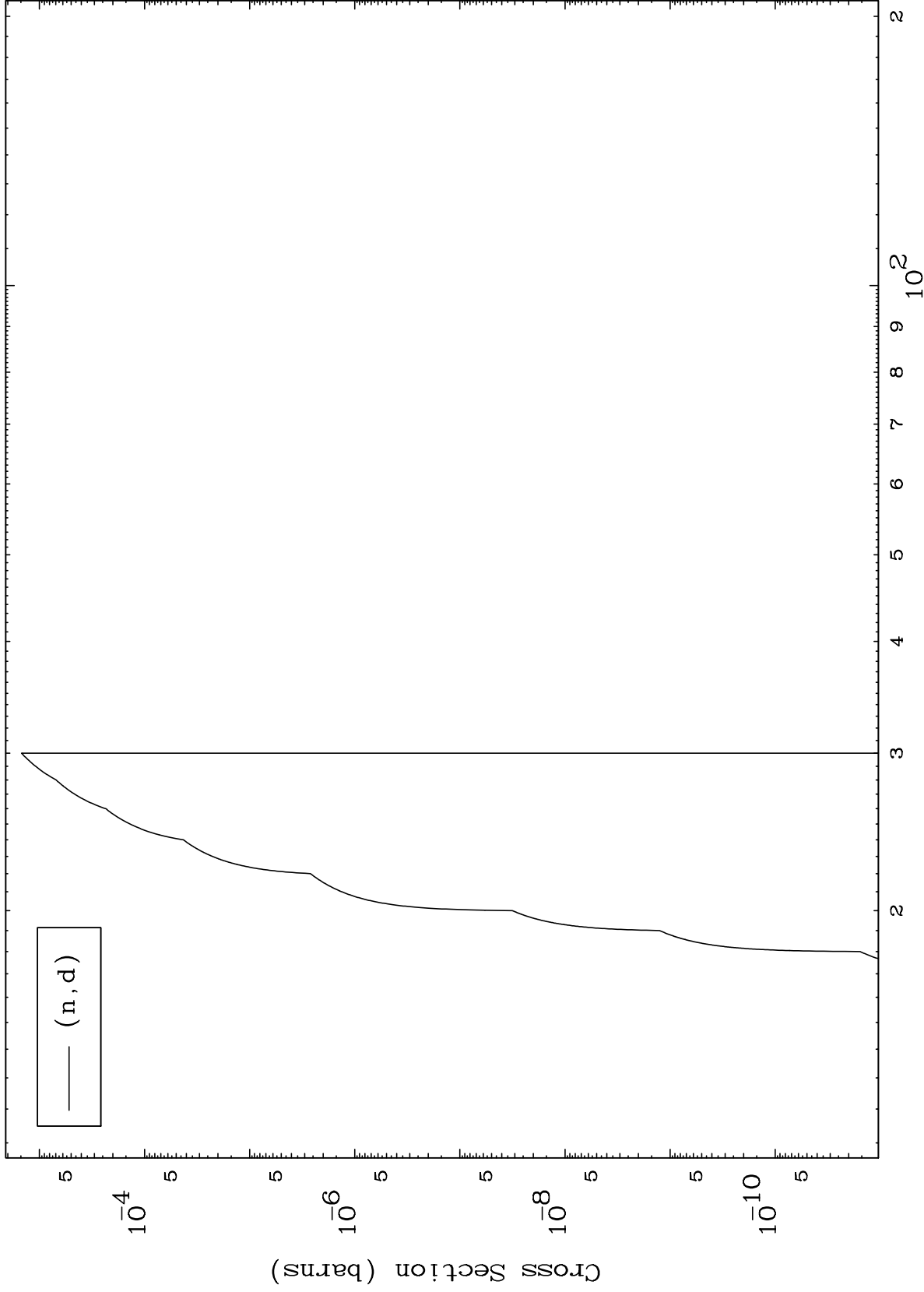
Incident Energy (MeV)

77-Ir-190n

MAT 7724

77-Ir-190n

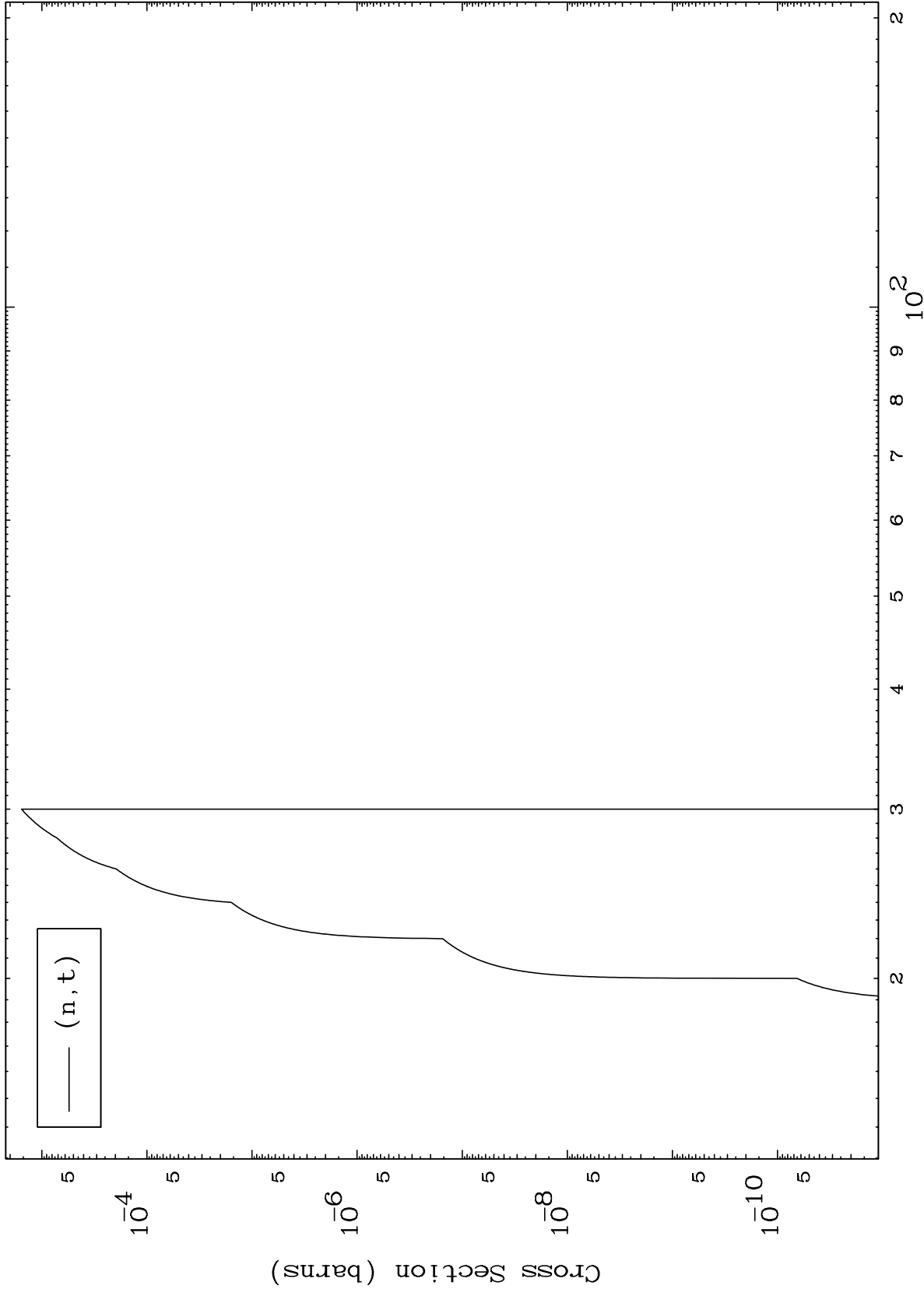
(α, d) Levels
0 Kelvin Cross Sections



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(α, t) Levels
0 Kelvin Cross Sections

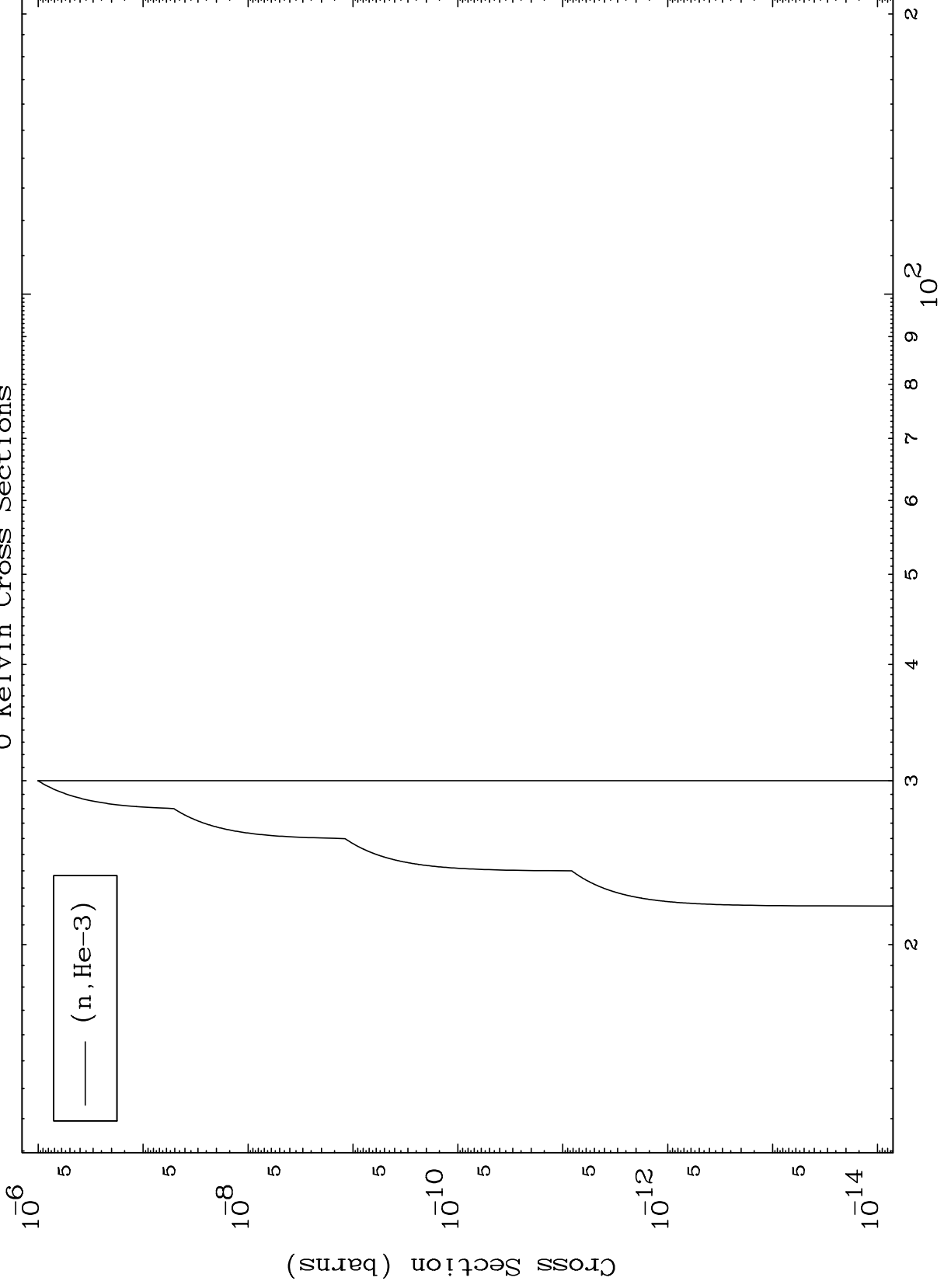
77-Ir-190n



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(α , He3) Levels
0 Kelvin Cross Sections

77-Ir-190n

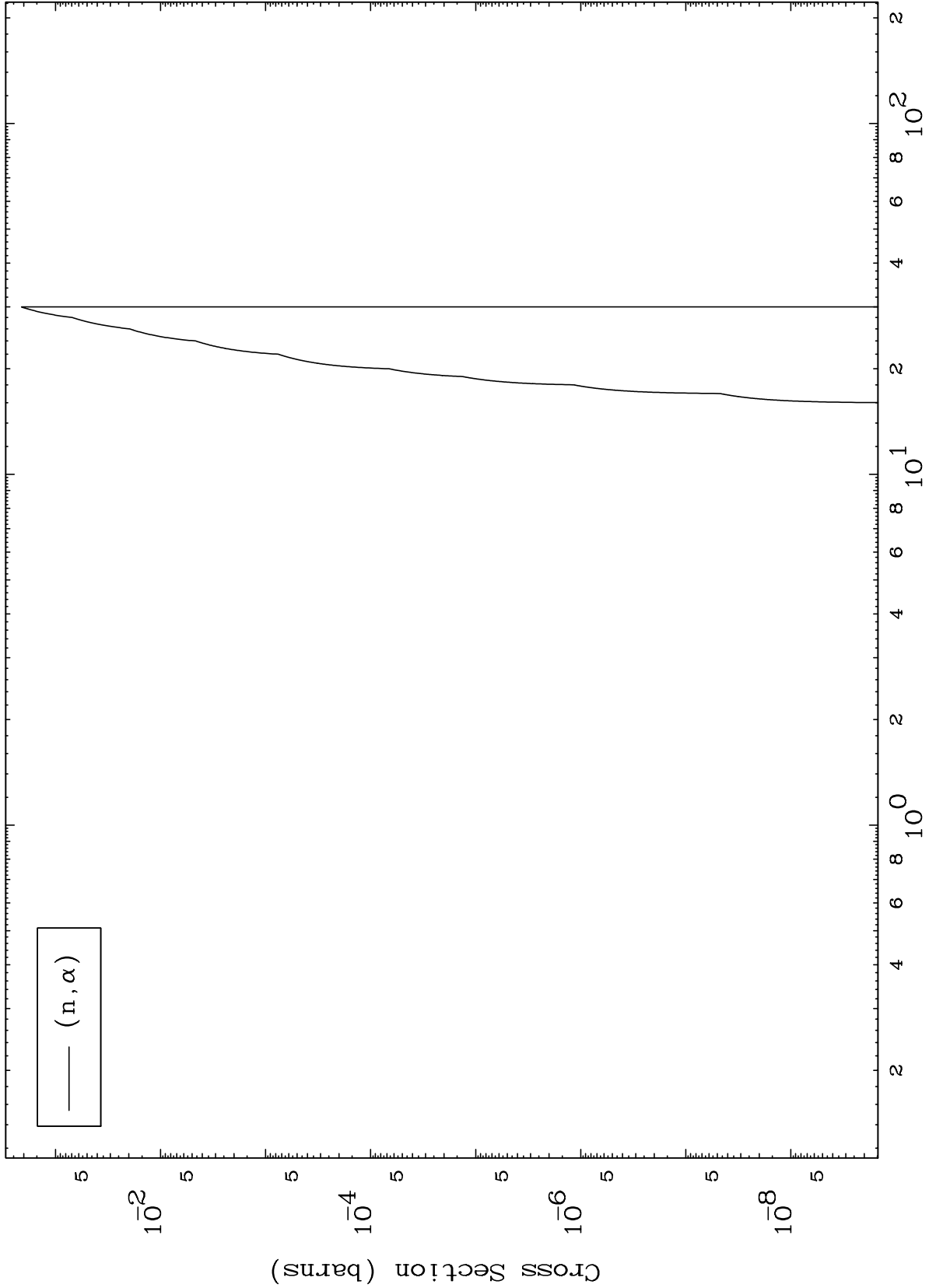


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(α, α) Levels

$^{77}\text{Ir-190n}$

0 Kelvin Cross Sections



10

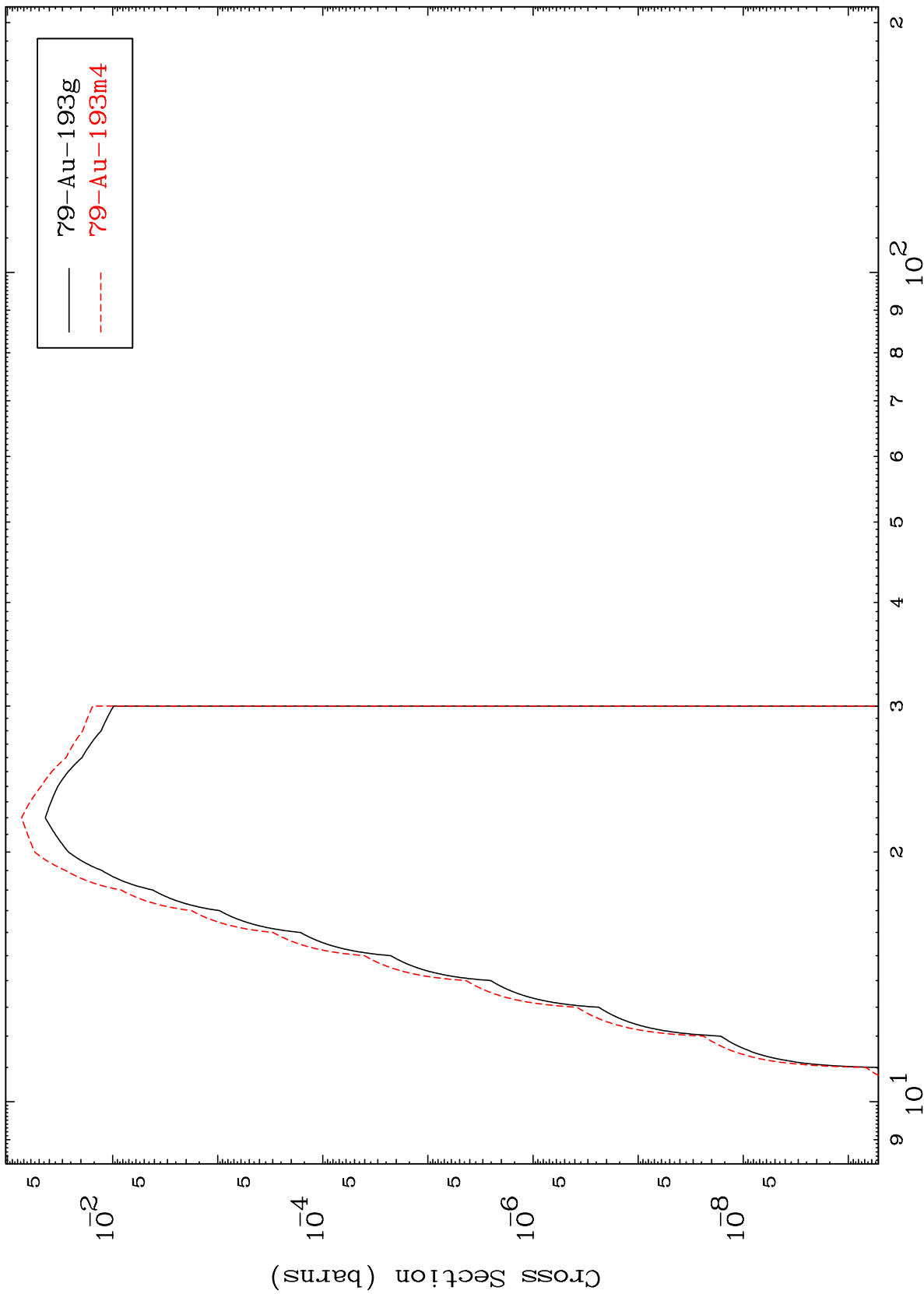
Incident Energy (MeV)

$^{77}\text{Ir-190n}$

MAT 7724

⁷⁷Ir-190n

Inelastic
Radionuclide Production Cross Section



⁷⁷Ir-190n

Incident Energy (MeV)

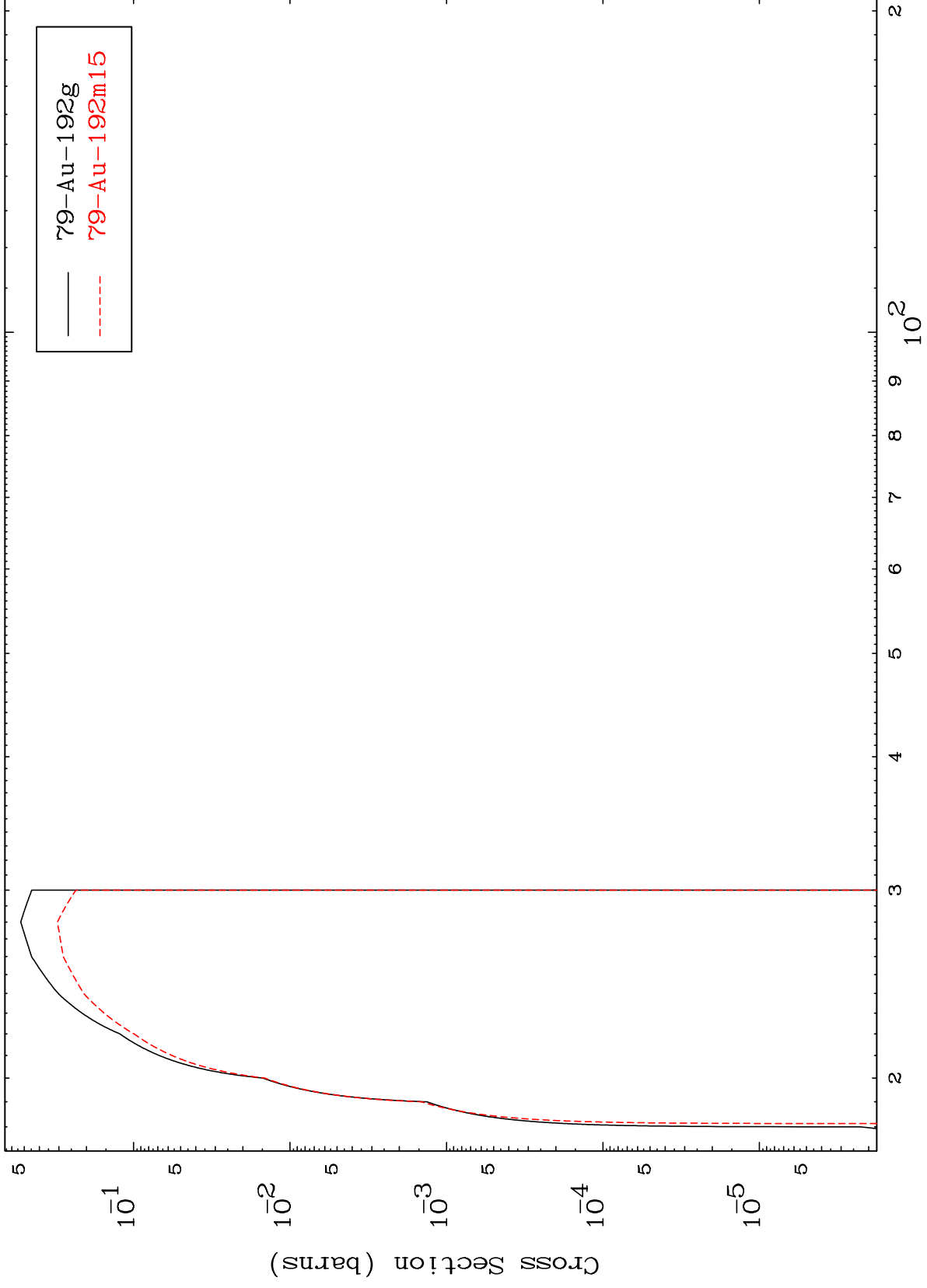
11

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(n,2n)

⁷⁷Ir-190n

Radionuclide Production Cross Section



12

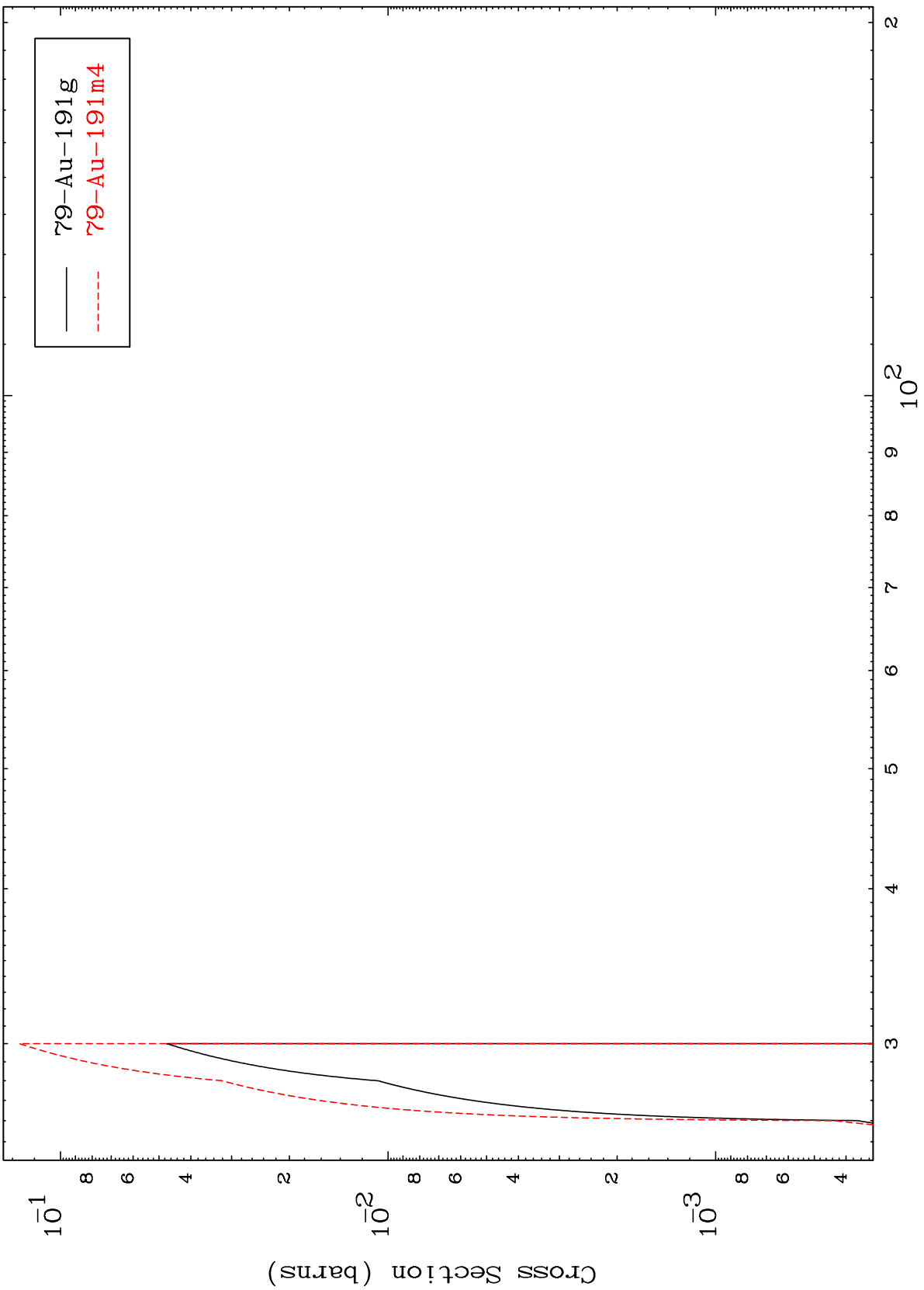
Incident Energy (MeV)

⁷⁷Ir-190n

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⁷⁷Ir-190n

(n,3n)
Radionuclide Production Cross Section



13

Incident Energy (MeV)

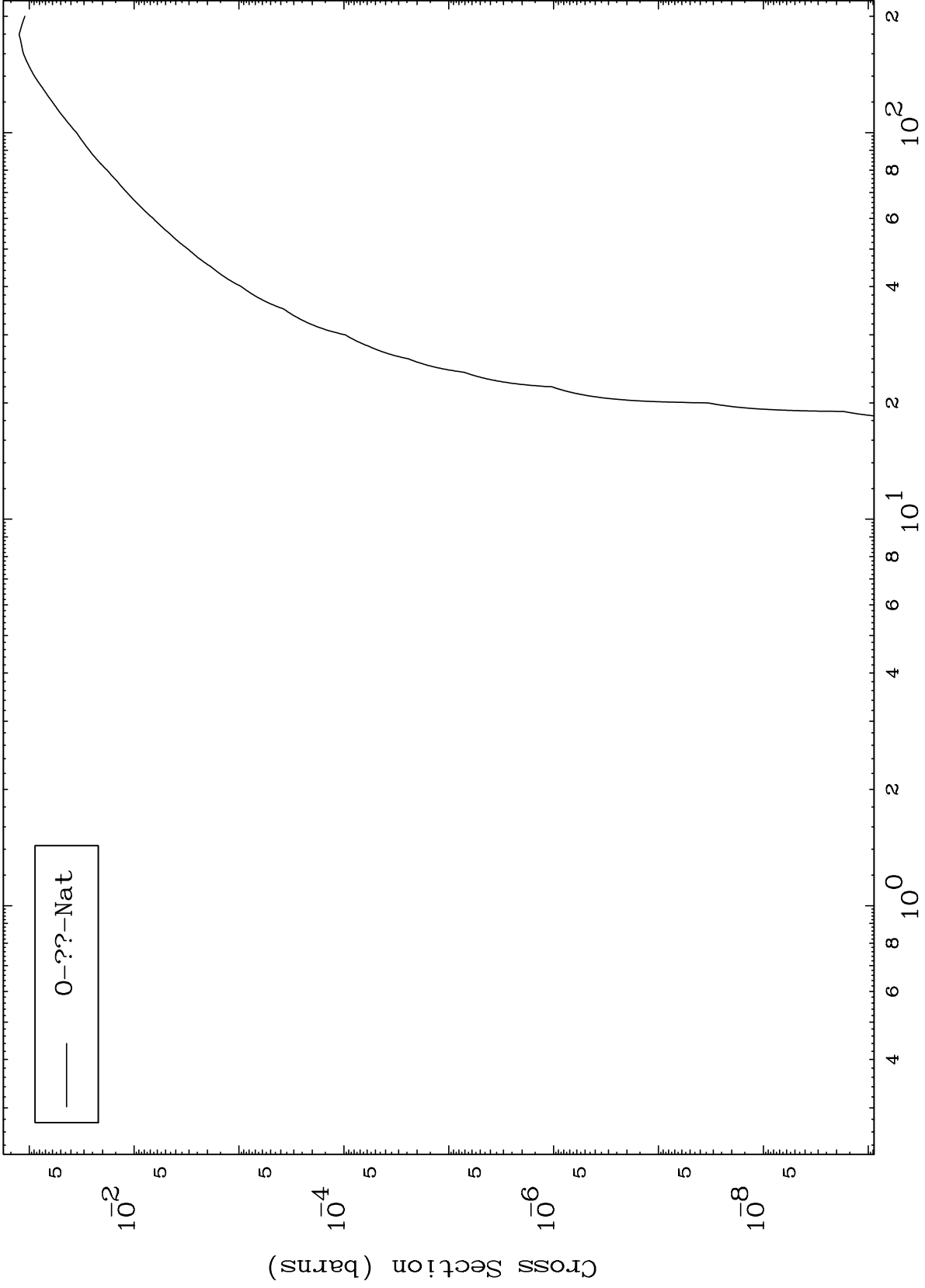
⁷⁷Ir-190n

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Fission

⁷⁷Ir-190n

Radionuclide Production Cross Section



14

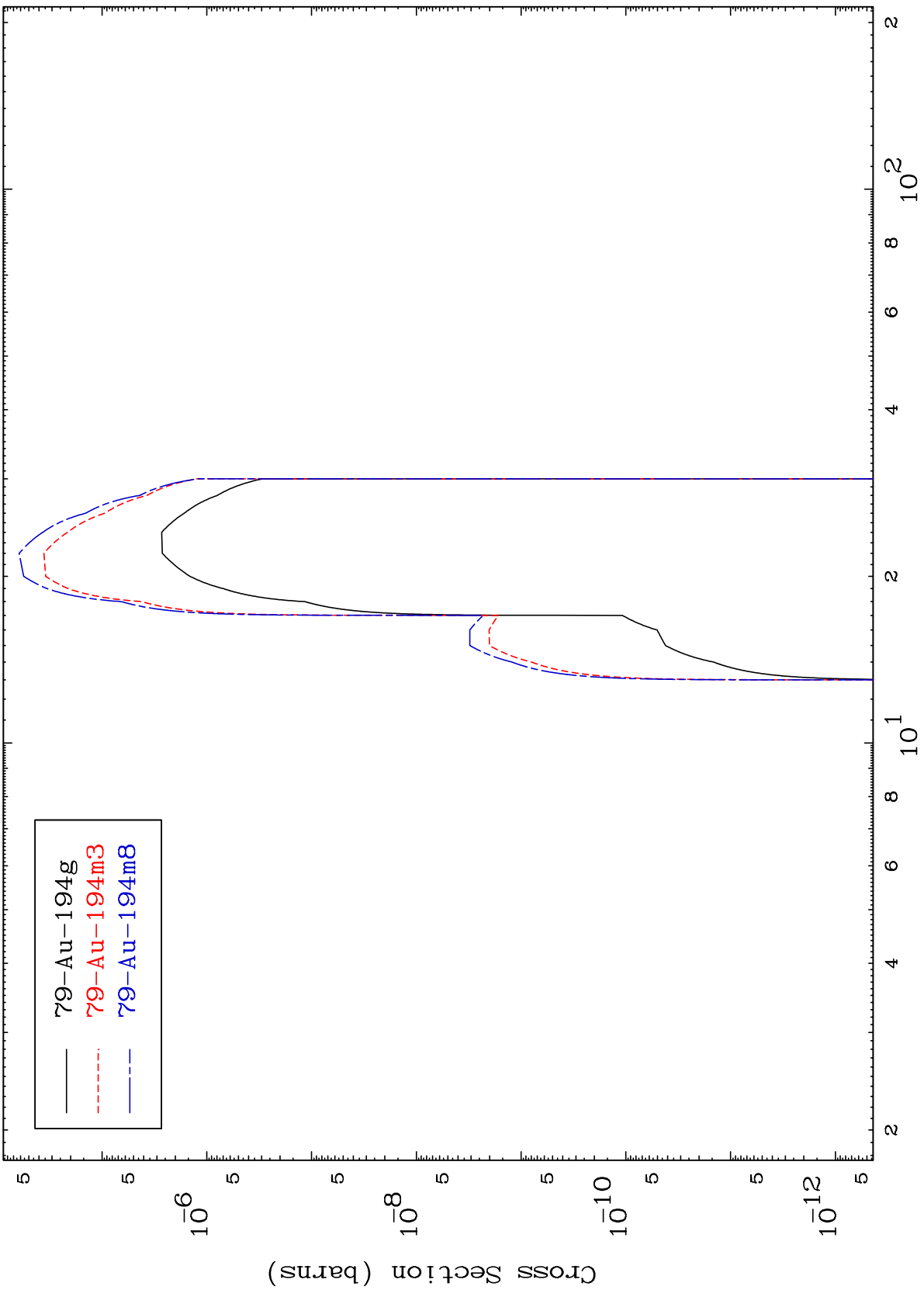
Incident Energy (MeV)

⁷⁷Ir-190n

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⁷⁷Ir-190n

Radionuclide Production Cross Section (n,γ)



79-Au-194g
79-Au-194m3
79-Au-194m8

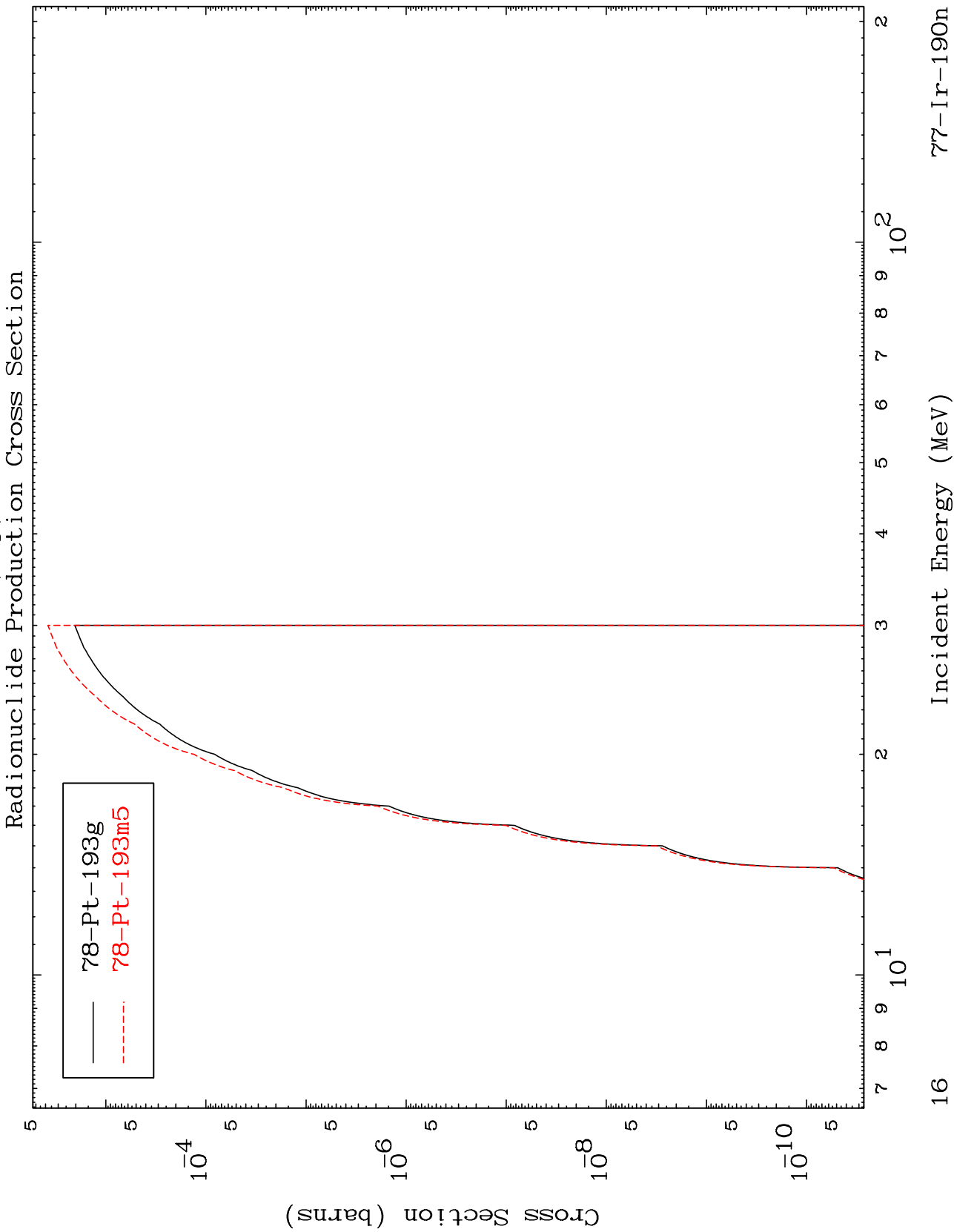
⁷⁷Ir-190n

Incident Energy (MeV)

15

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⁷⁷Ir-190n



16

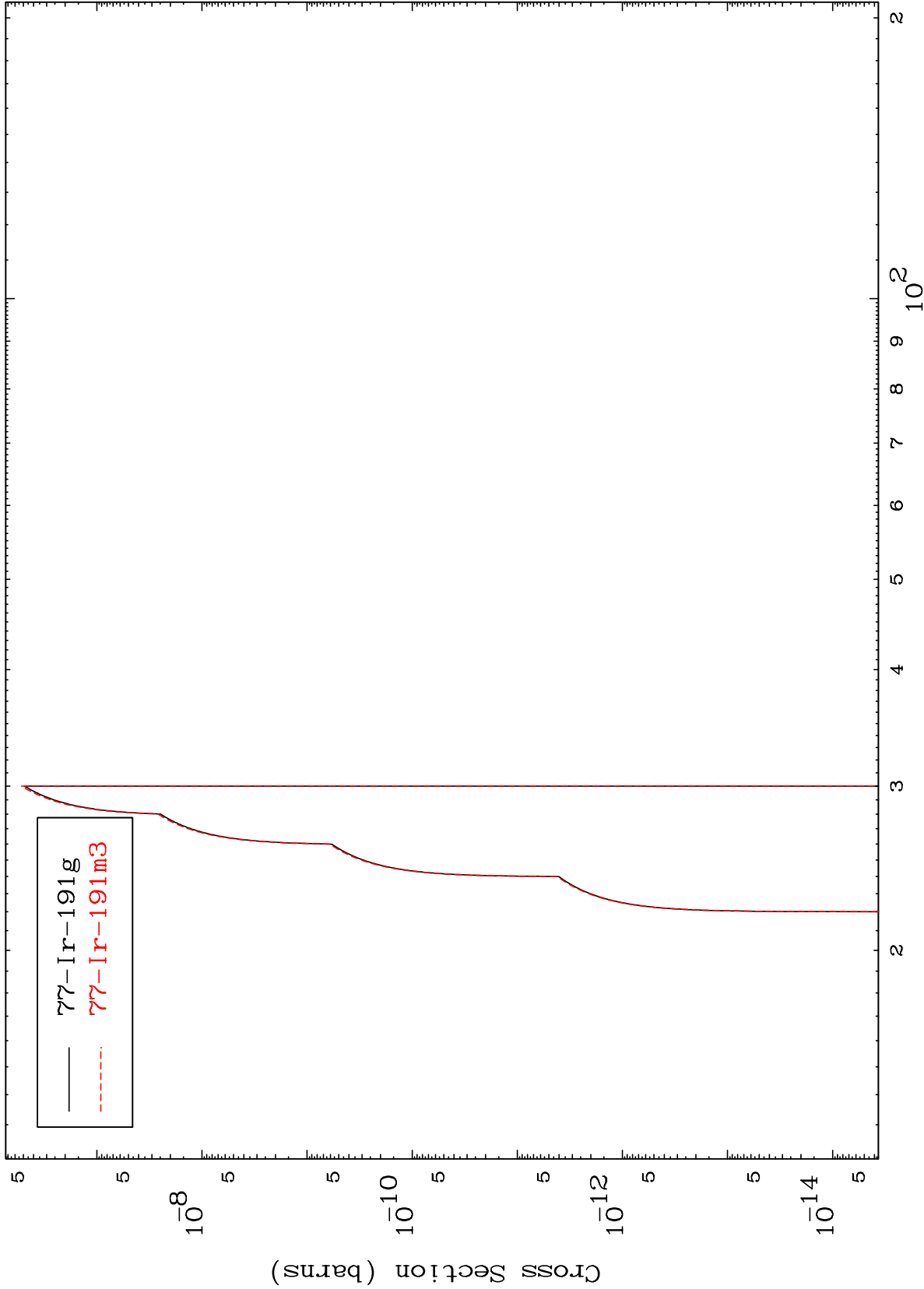
⁷⁷Ir-190n

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(n,He-3)

⁷⁷Ir-190n

Radionuclide Production Cross Section



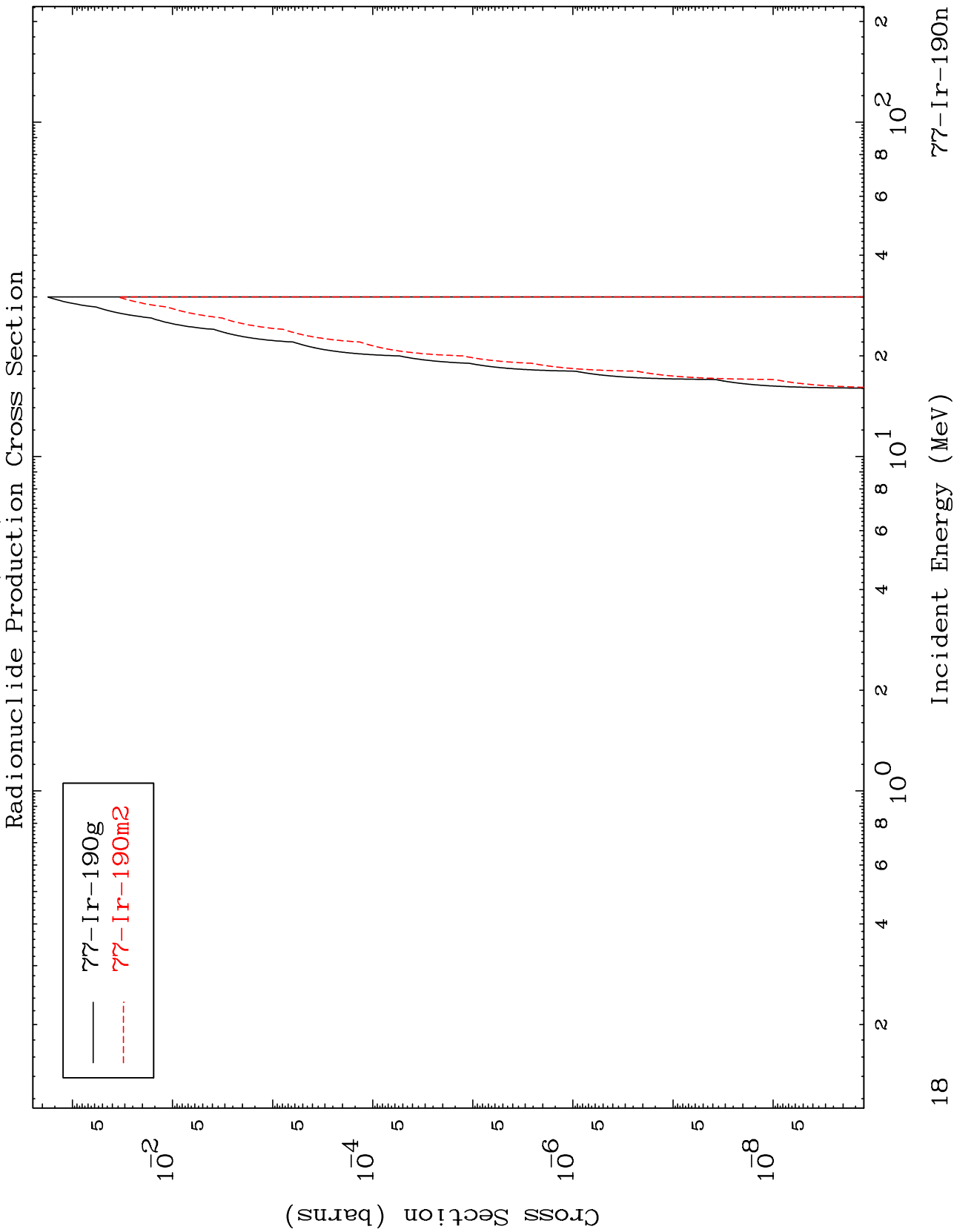
17

Incident Energy (MeV)

⁷⁷Ir-190n

MAT 7724

⁷⁷Ir-190n



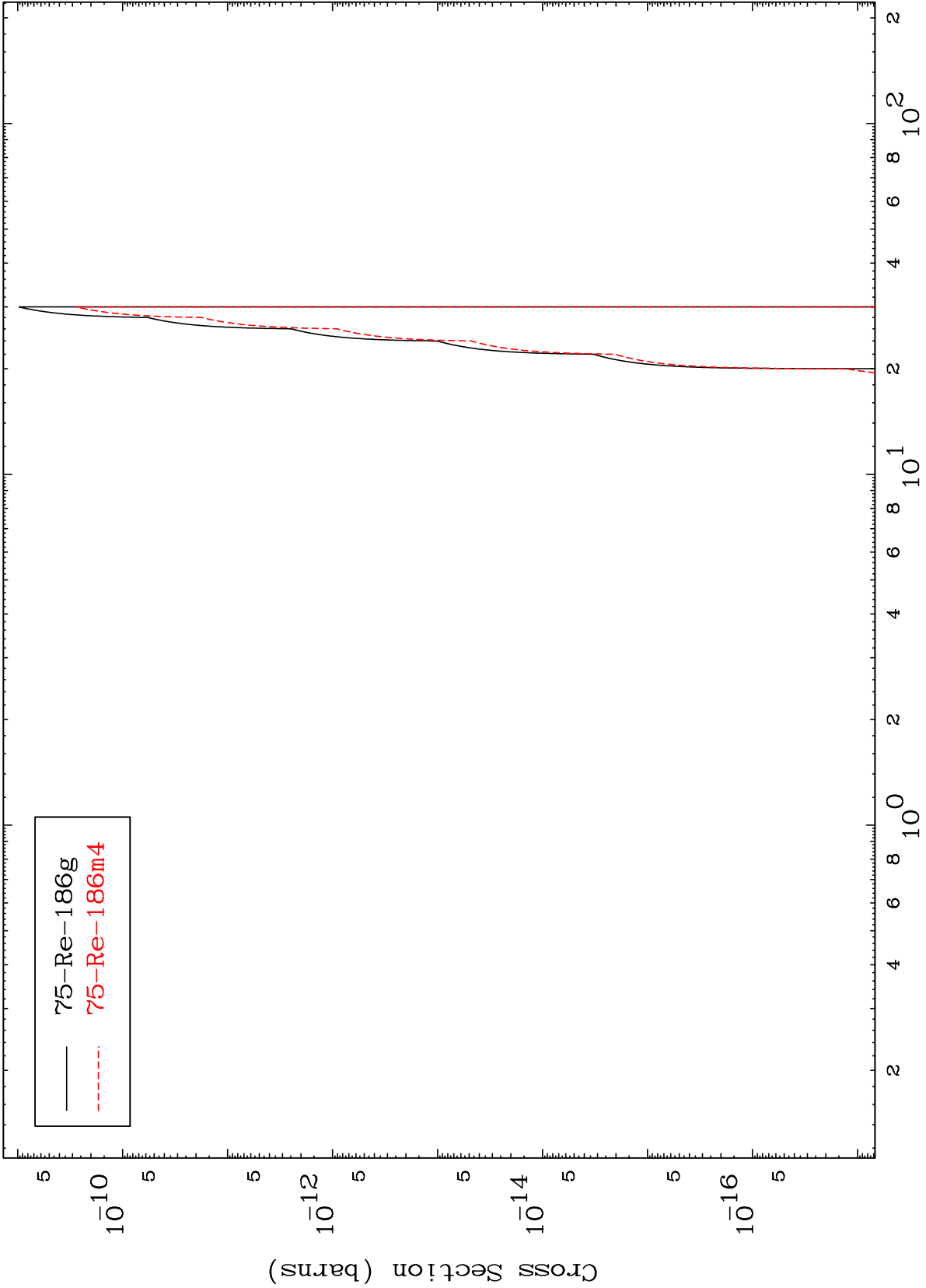
— ⁷⁷Ir-190g
- - - ⁷⁷Ir-190m2

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(n,2α)

⁷⁷Ir-190n

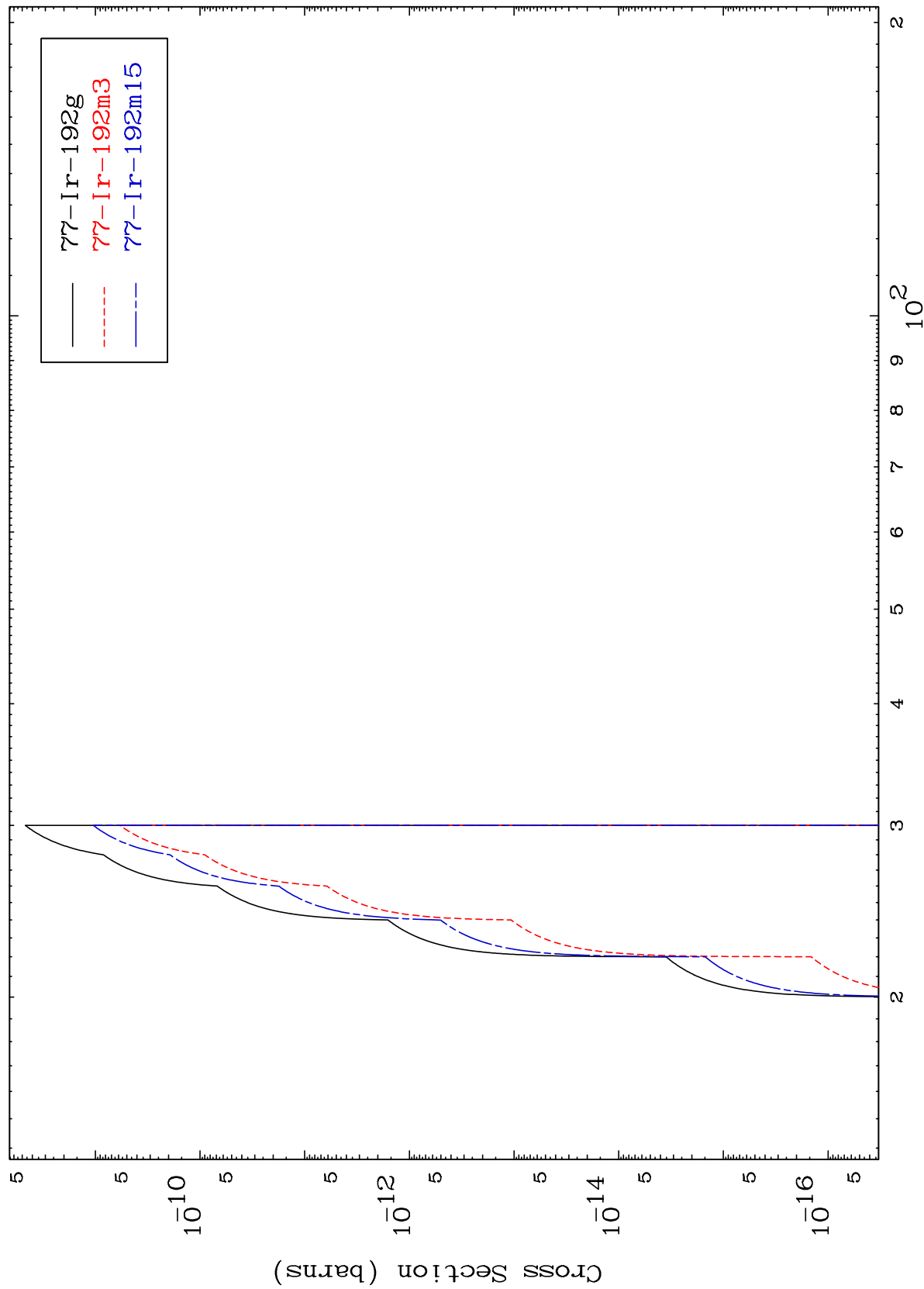
Radionuclide Production Cross Section



MAT 7724

⁷⁷Ir-190n

(n,2p)
Radionuclide Production Cross Section



⁷⁷Ir-190n

Incident Energy (MeV)

20

