

Program EVALPLOT
(Version 2018-1)

by

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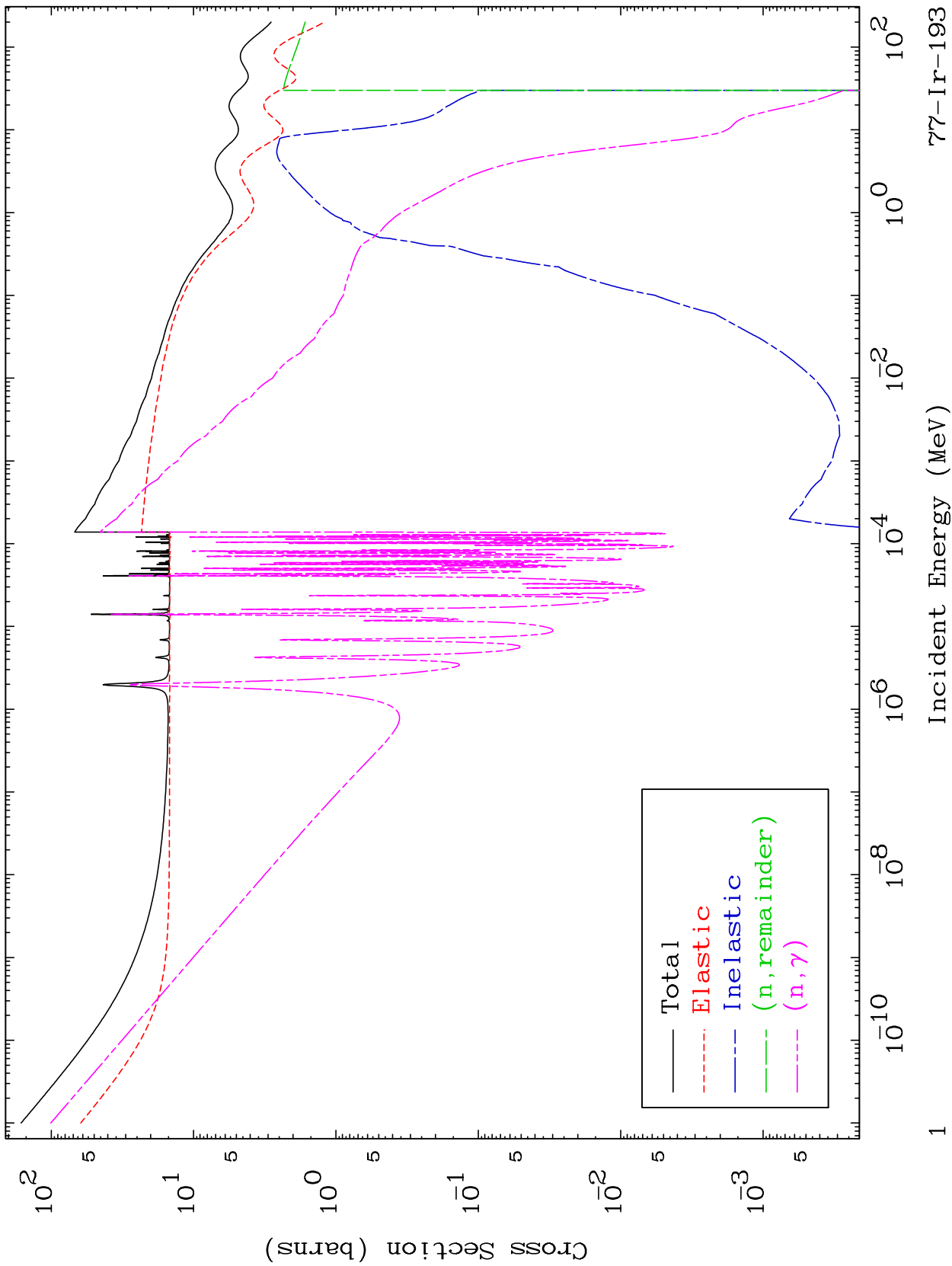
Press Mouse Button to Start

MAT 7732

Major

293 Kelvin Cross Sections

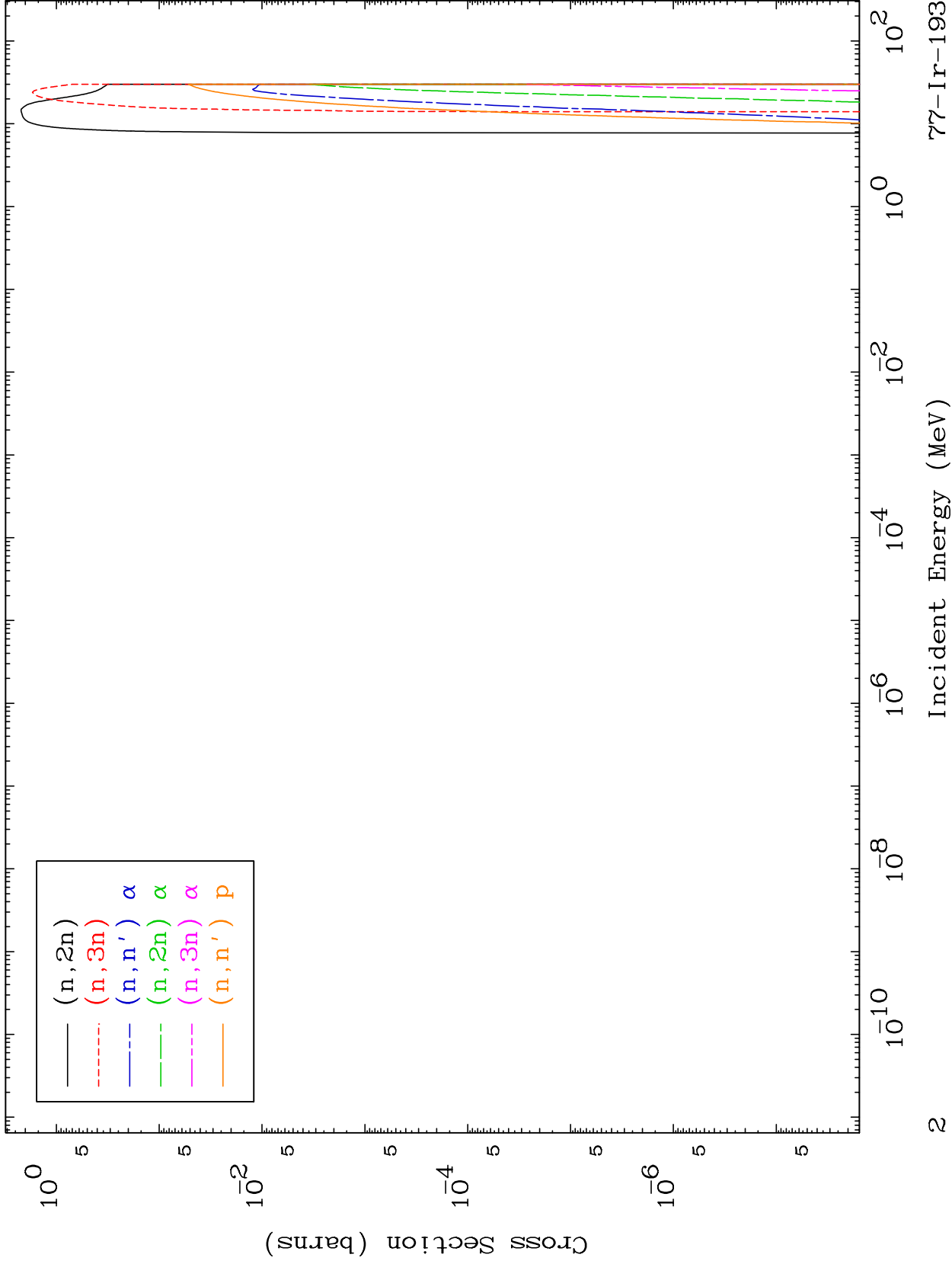
77-Ir-193

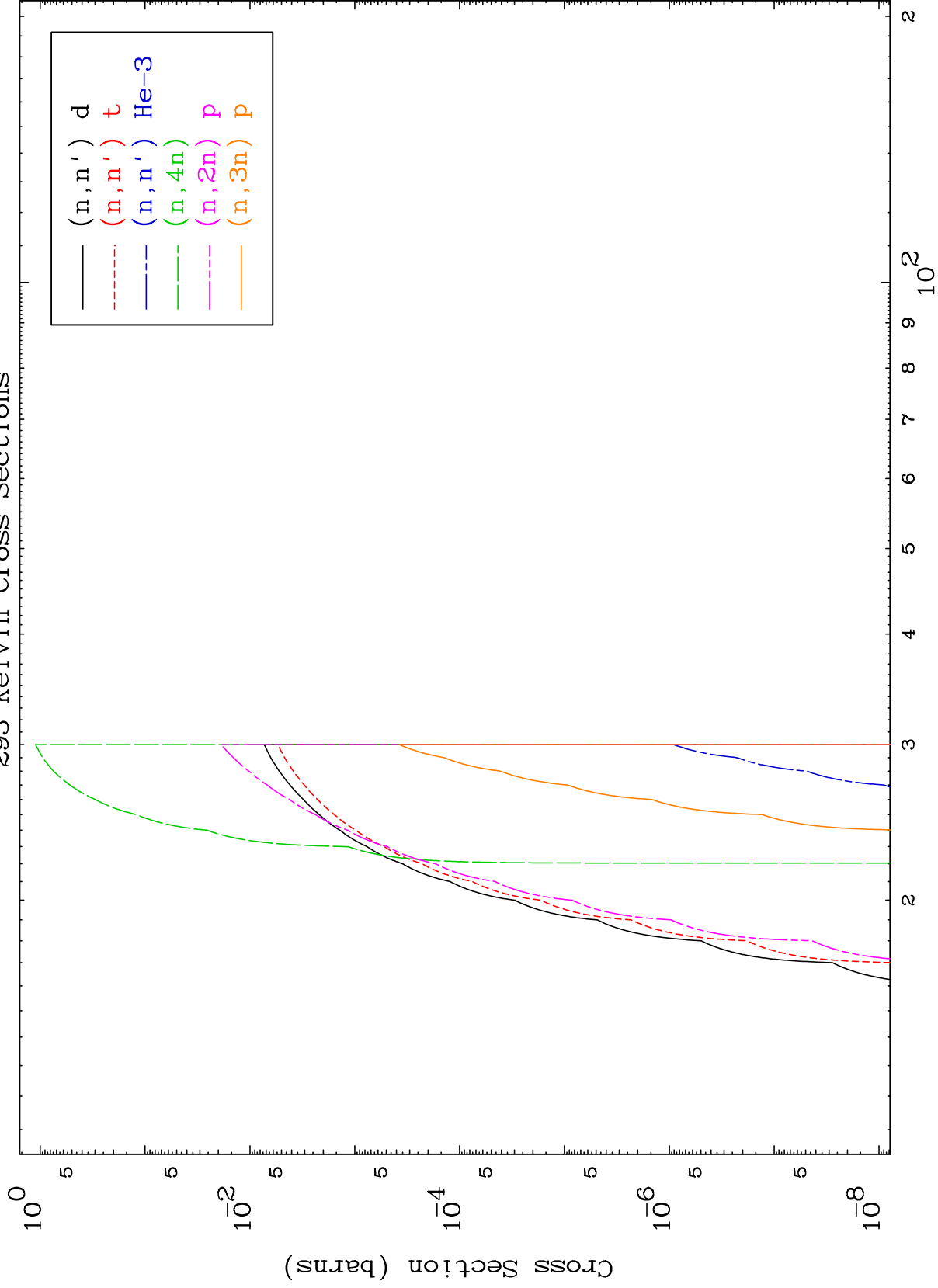


MAT 7732

Neutron Production
293 Kelvin Cross Sections

77-Ir-193

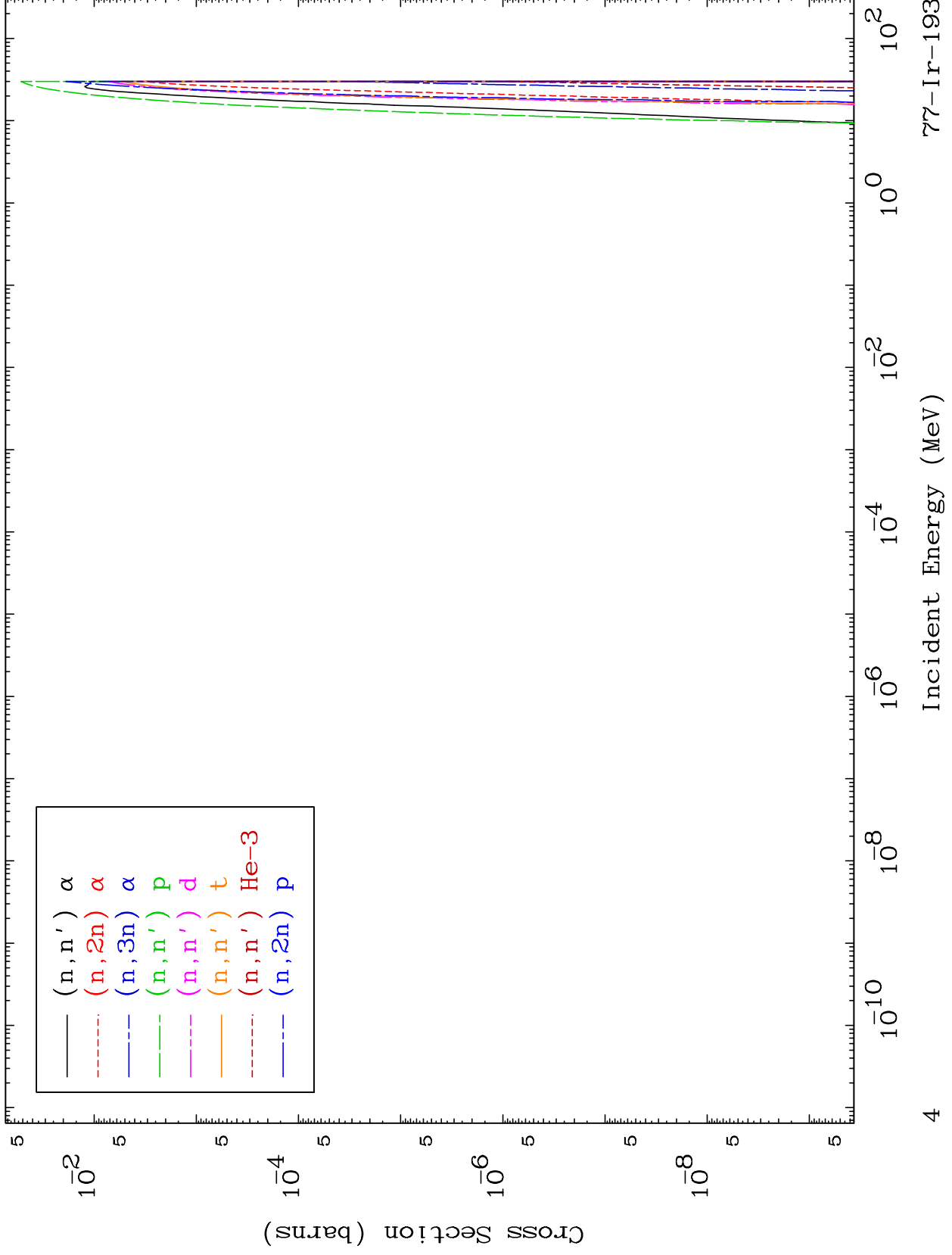




MAT 7732

Charged Particle
293 Kelvin Cross Sections

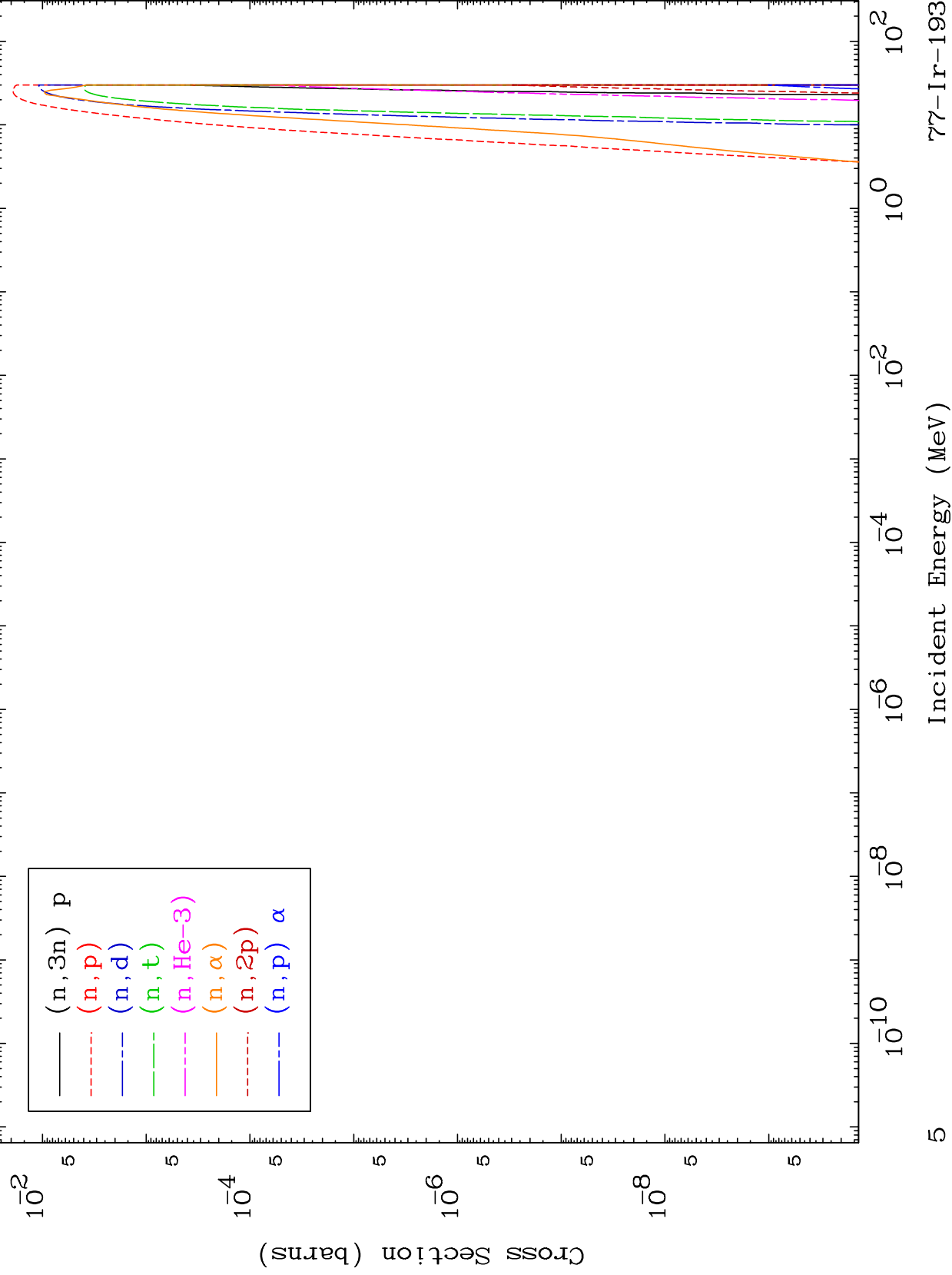
77-Ir-193

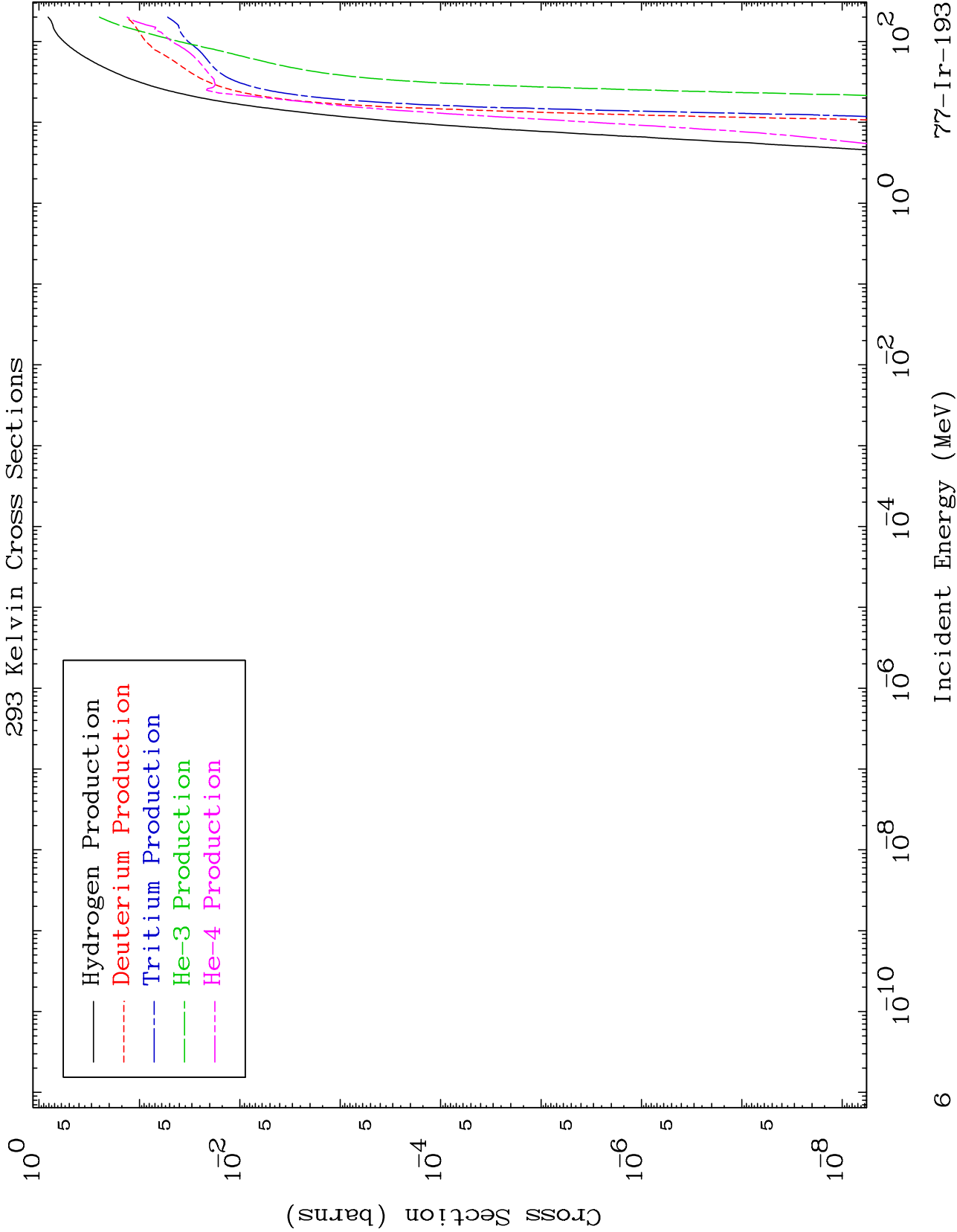


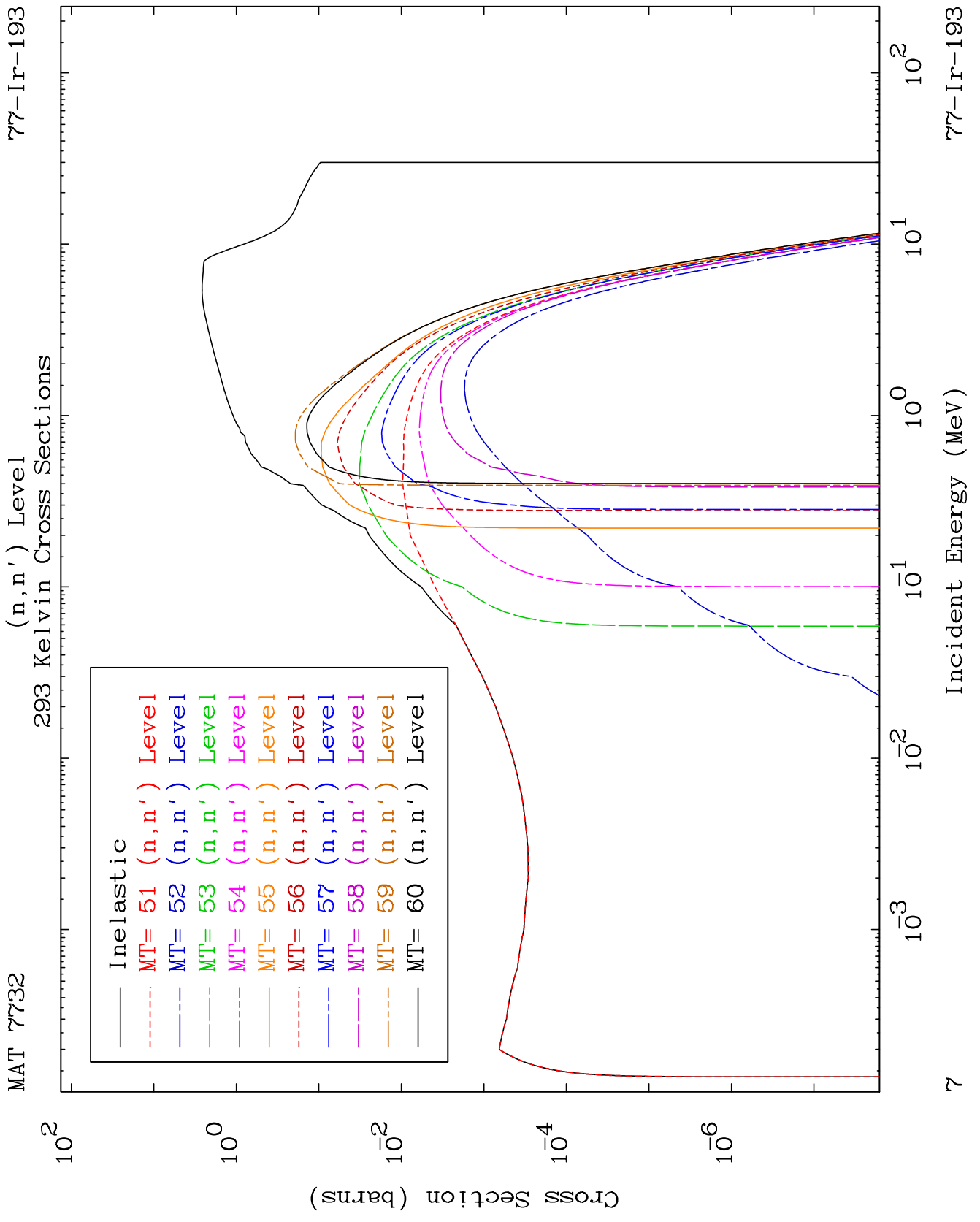
MAT 7732

Charged Particle
293 Kelvin Cross Sections

77-Ir-193





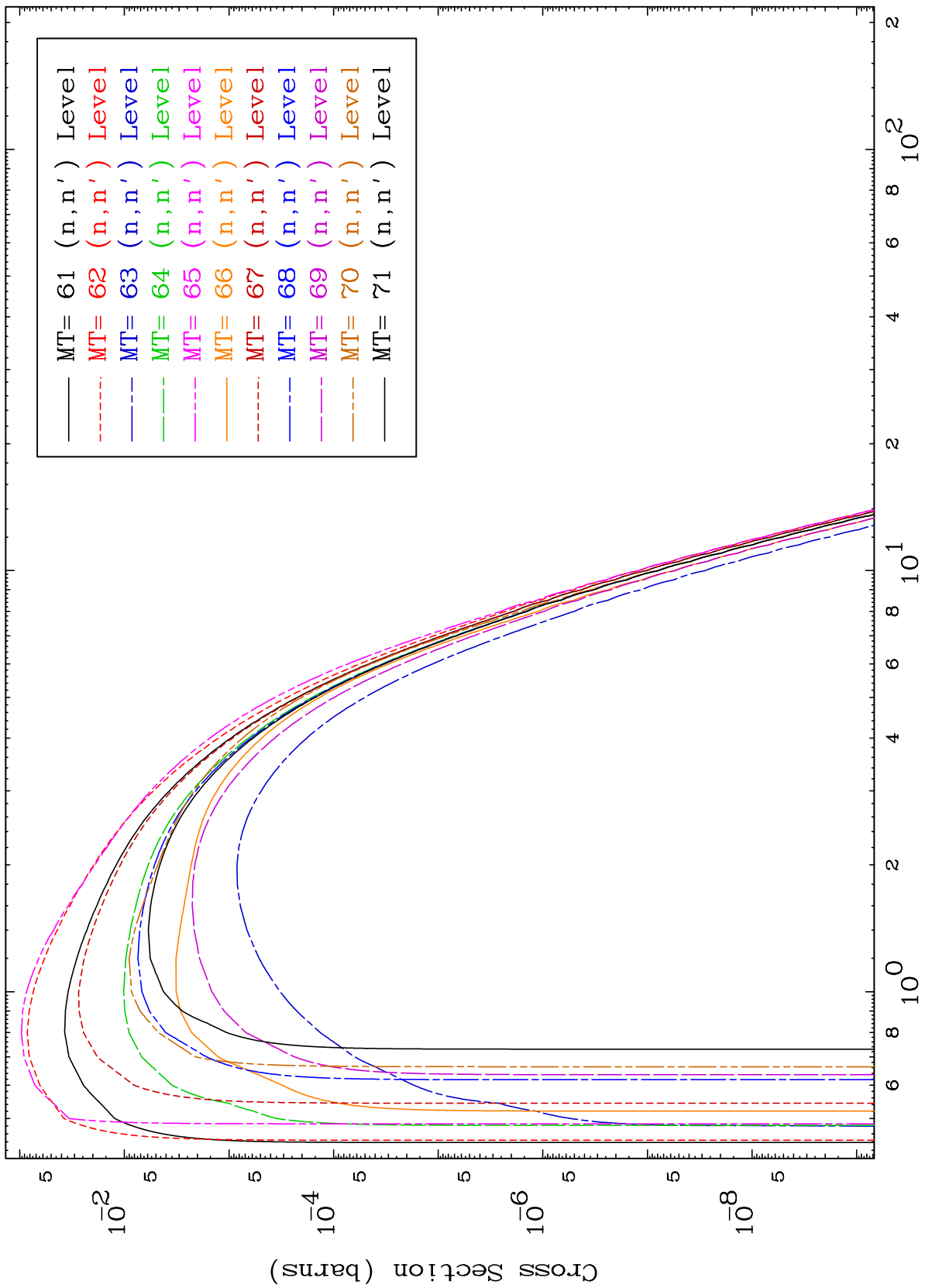


MAT 7732

(n,n') Level

77-Ir-193

293 Kelvin Cross Sections

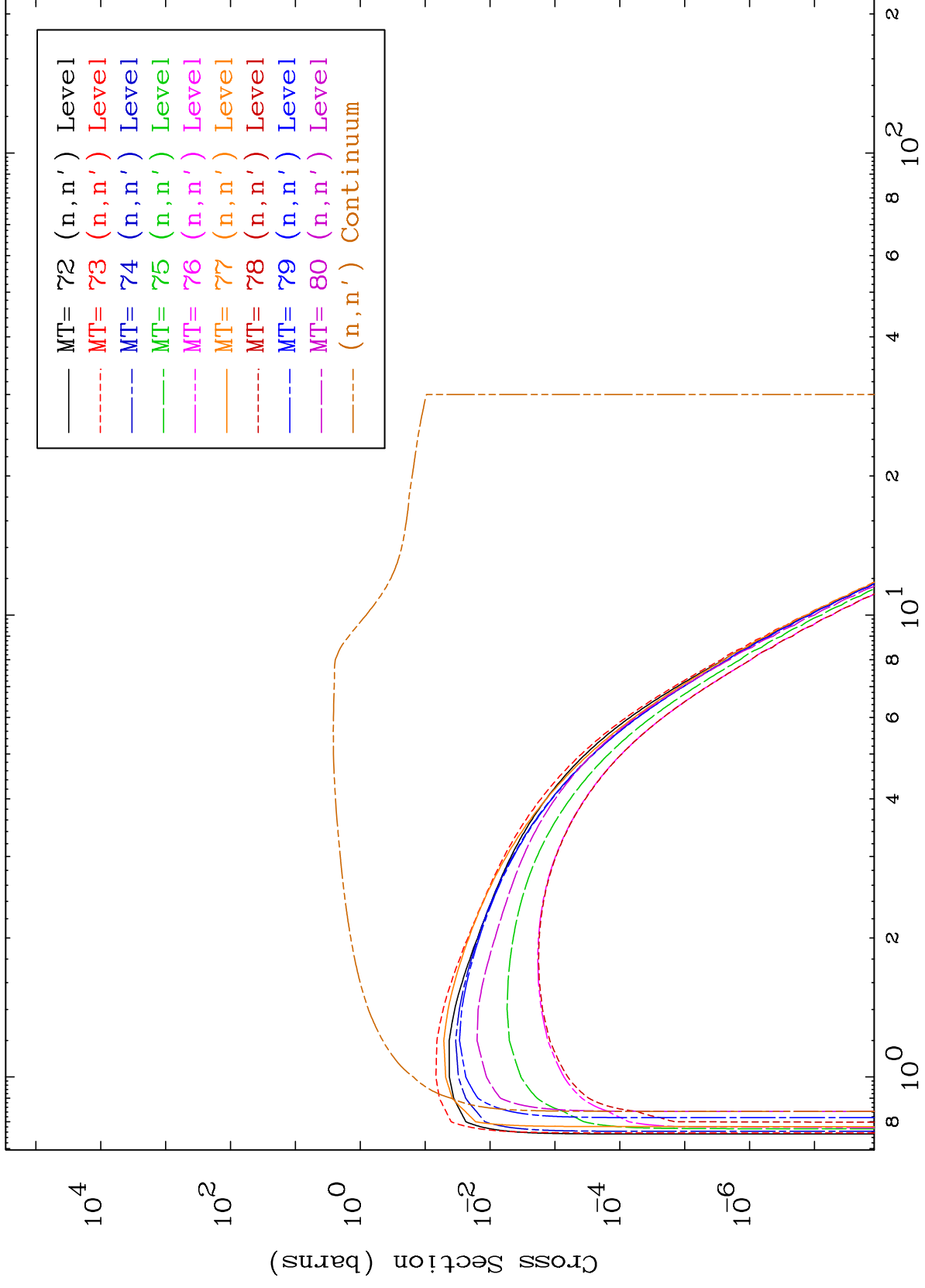


Incident Energy (MeV)

77-Ir-193

8

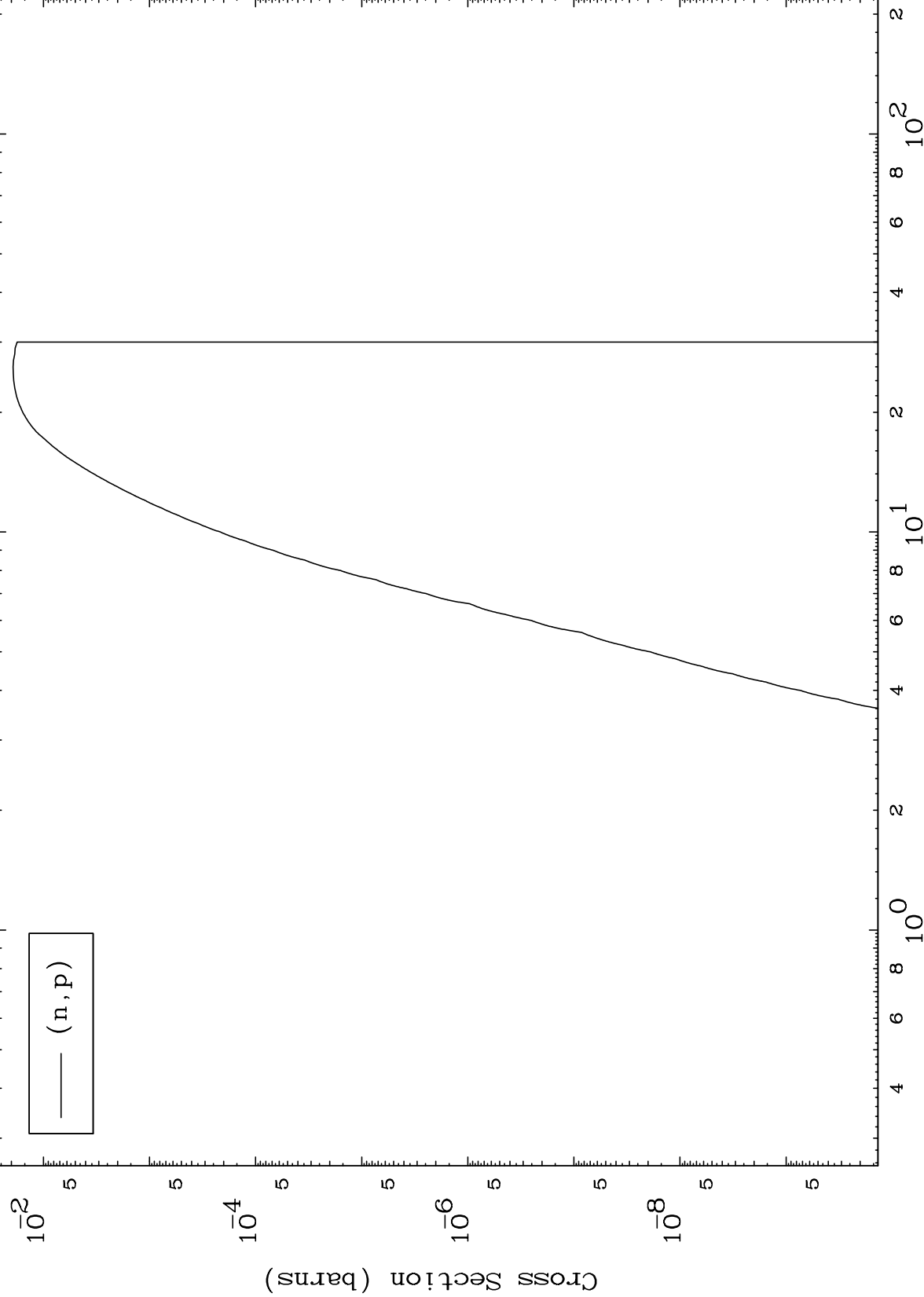
293 Kelvin Cross Sections



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(n,p) Levels
293 Kelvin Cross Sections

77-Ir-193



10

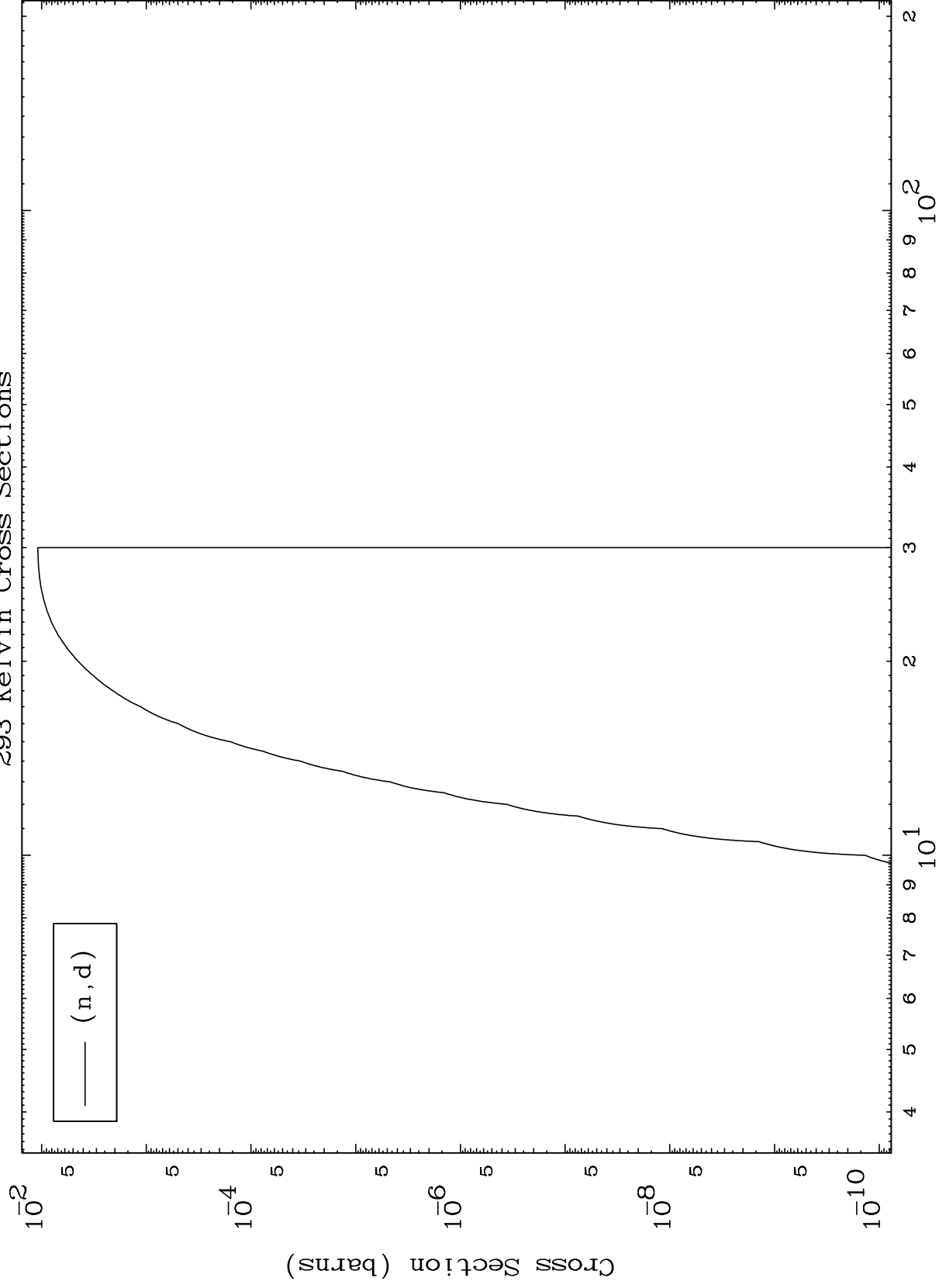
Incident Energy (MeV)

77-Ir-193

MAT 7732

(n,d) Levels
293 Kelvin Cross Sections

77-Ir-193



11

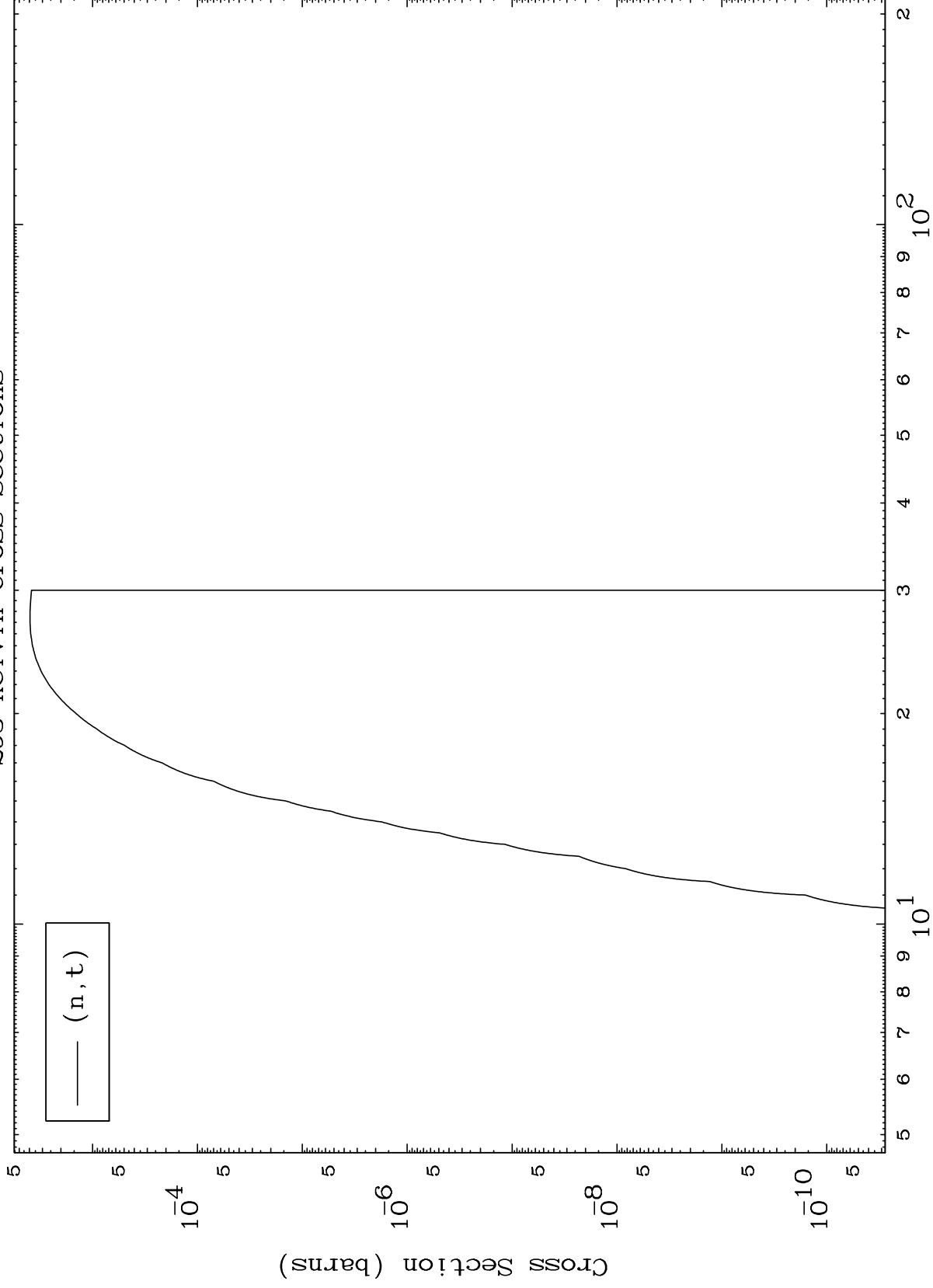
Incident Energy (MeV)

77-Ir-193

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(n,t) Levels
293 Kelvin Cross Sections

77-Ir-193



12

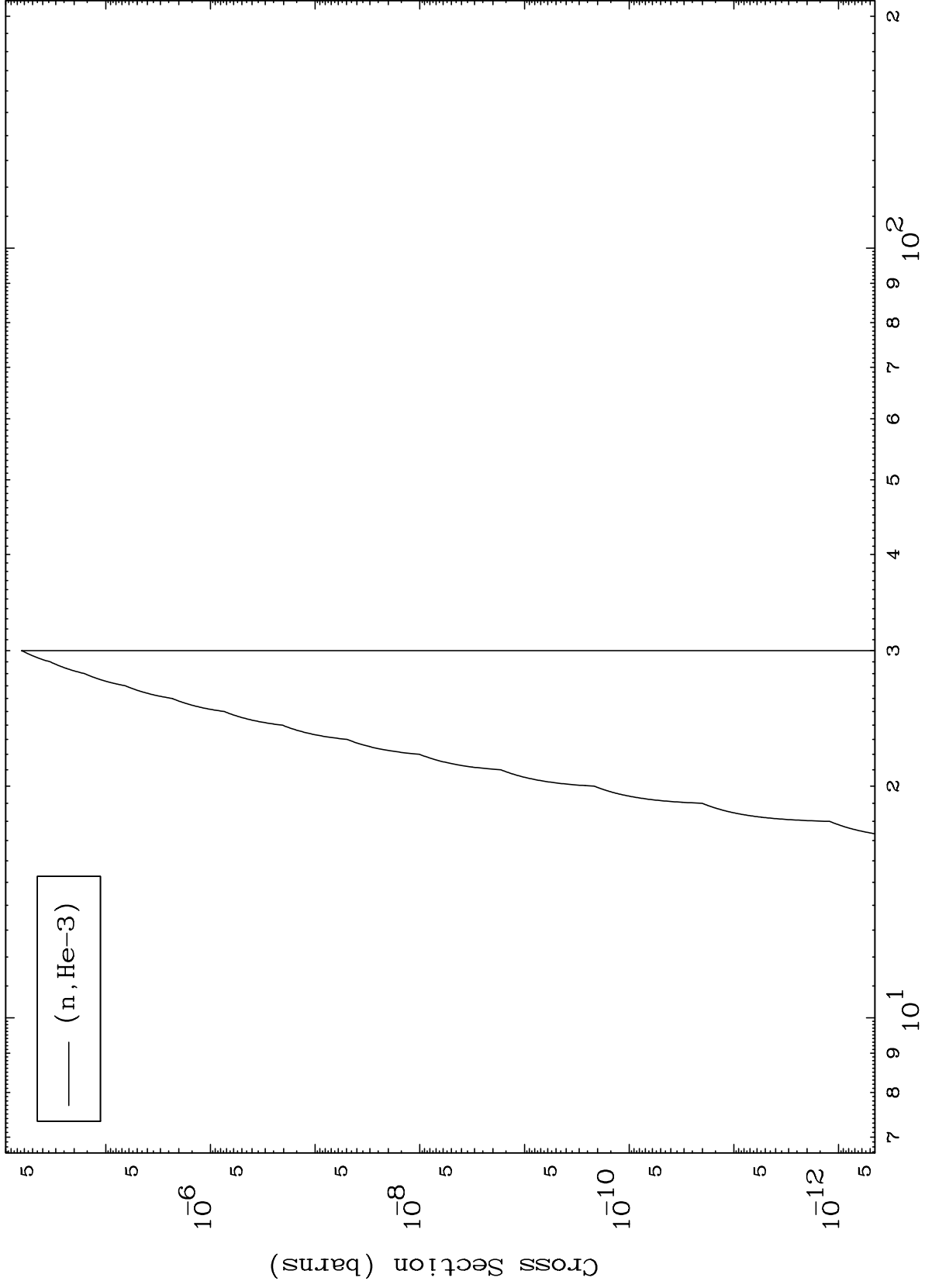
Incident Energy (MeV)

77-Ir-193

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(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-193



13

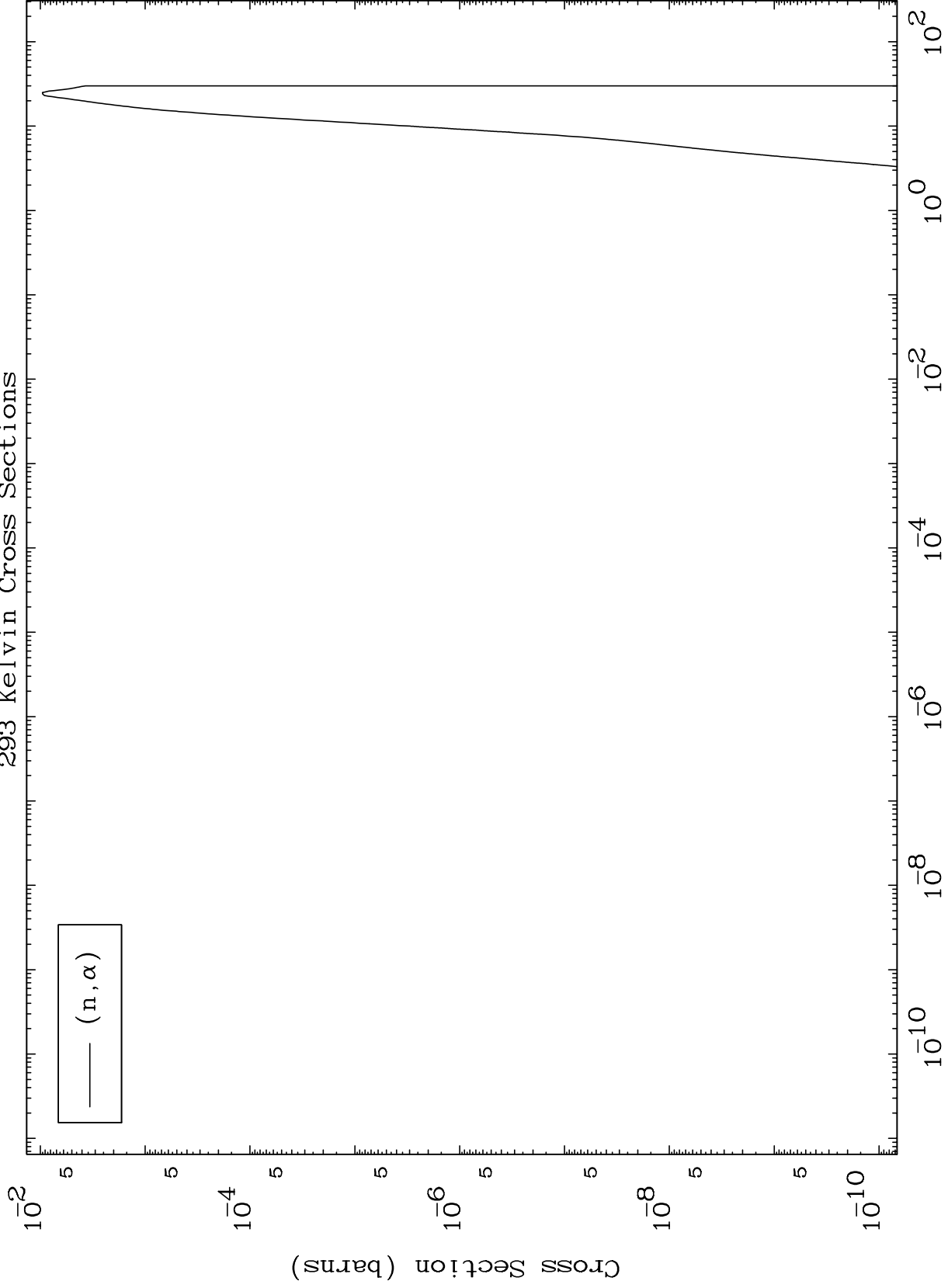
Incident Energy (MeV)

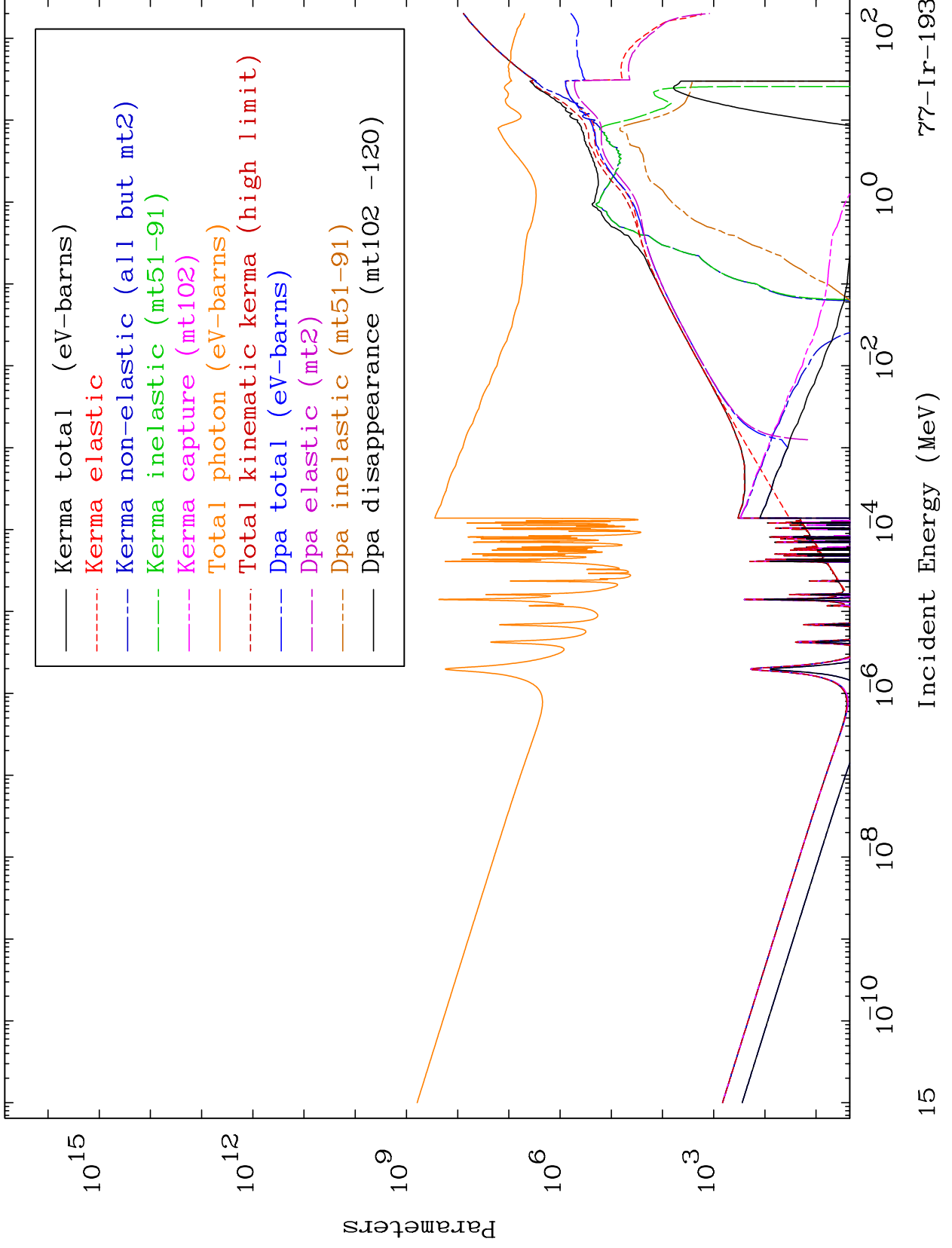
77-Ir-193

MAT 7732

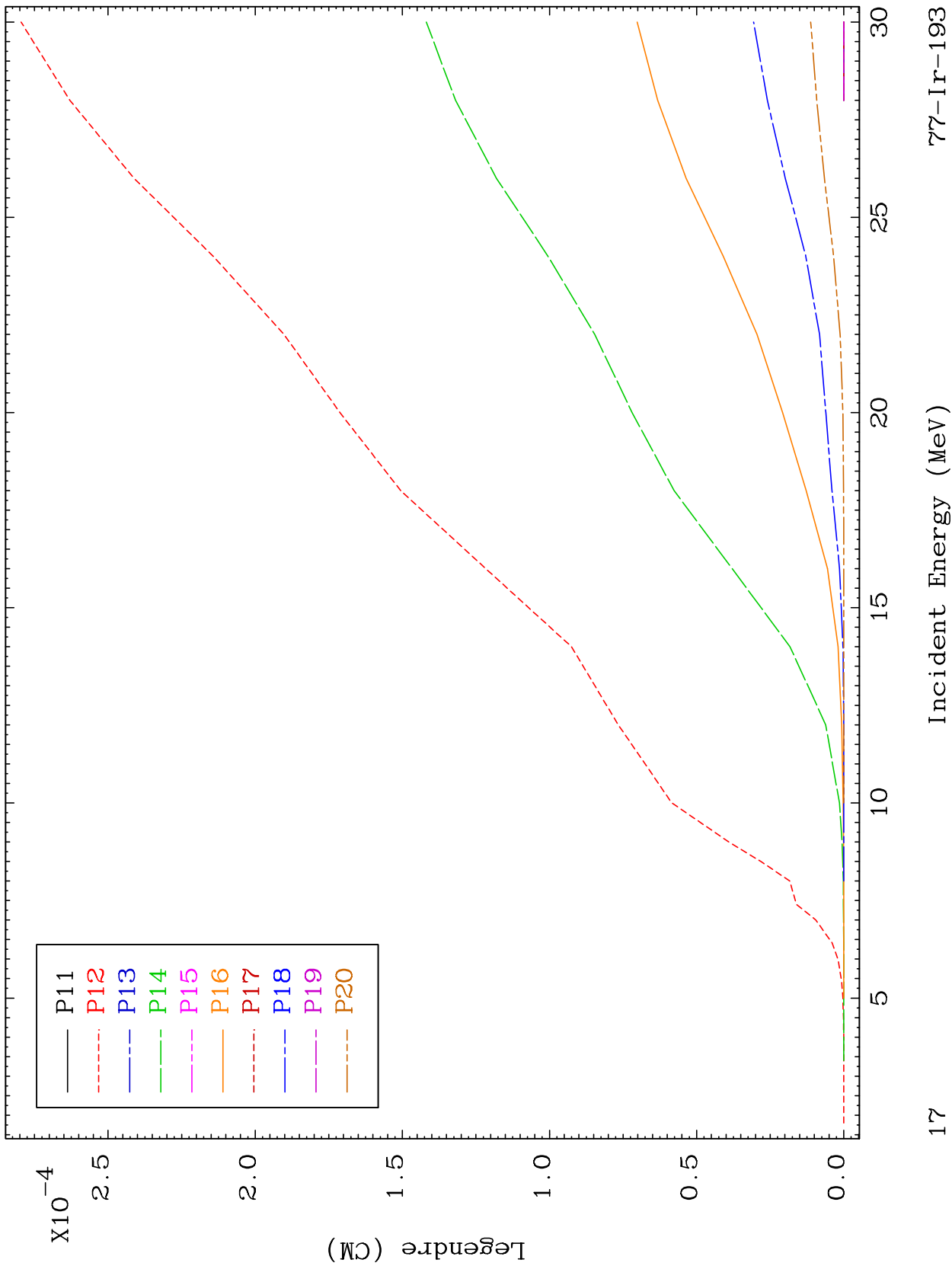
(n, α) Levels
293 Kelvin Cross Sections

77-Ir-193





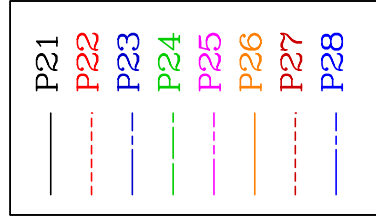
Elastic Legendre Coefficients



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Elastic Legendre Coefficients

77-Ir-193



$\times 10^{-6}$
1.5

Legendre (CM)

1.0

0.5

0.0

15

20

25

30

18

Incident Energy (MeV)

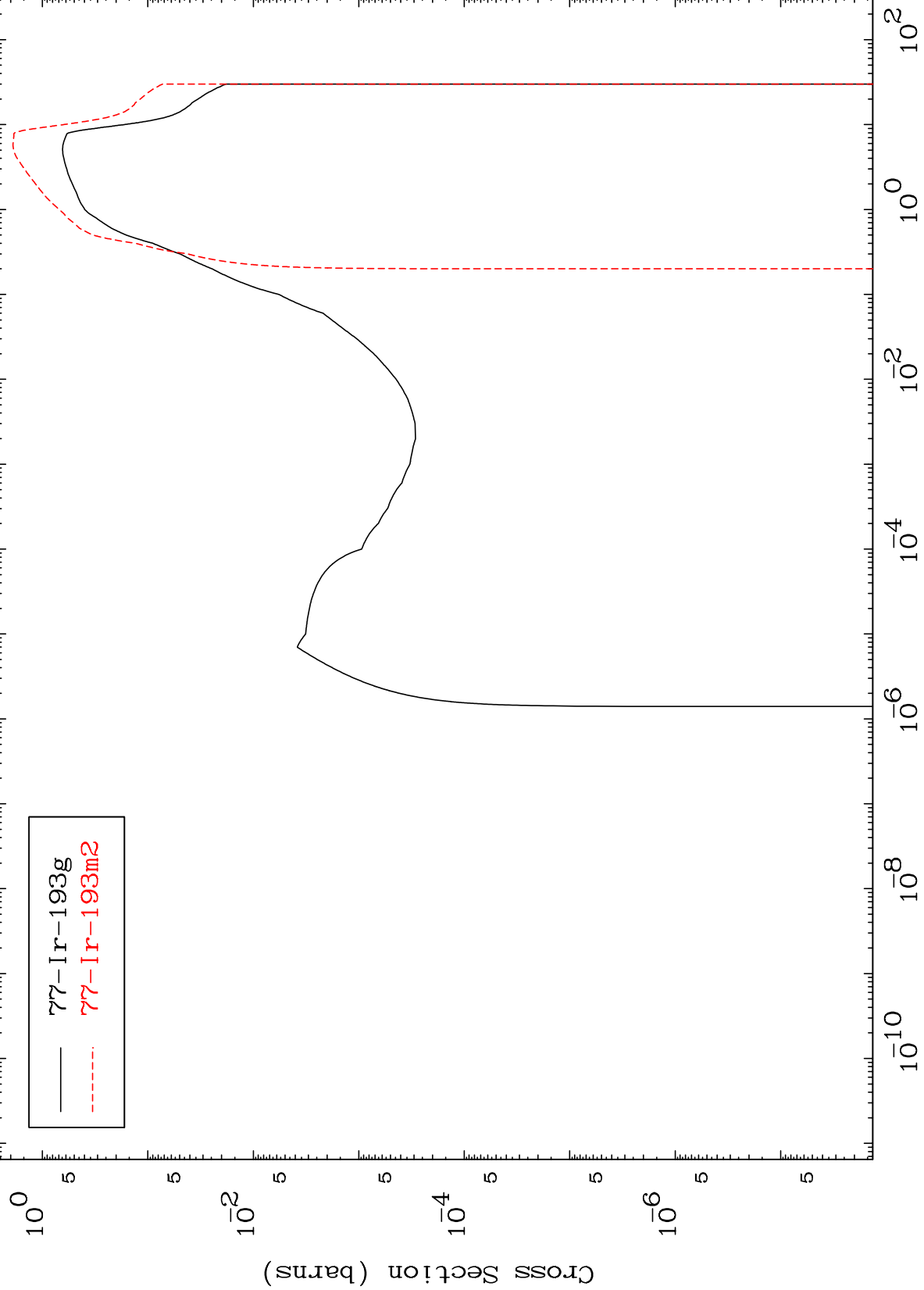
77-Ir-193



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Inelastic
Radionuclide Production Cross Section

⁷⁷Ir-193



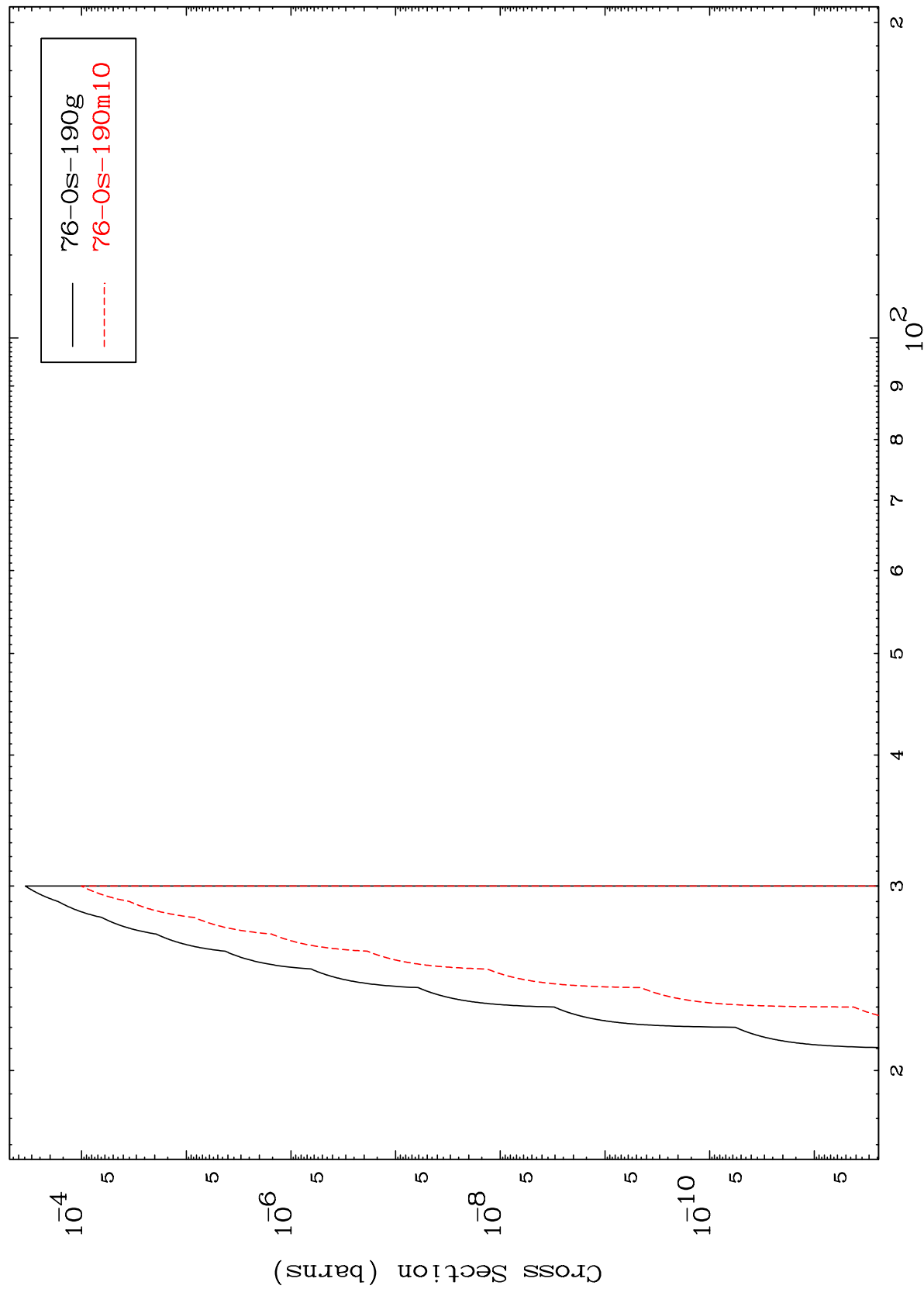
— ⁷⁷Ir-193g
- - - ⁷⁷Ir-193m2

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(n,2n) d

77-Ir-193

Radionuclide Production Cross Section



20

Incident Energy (MeV)

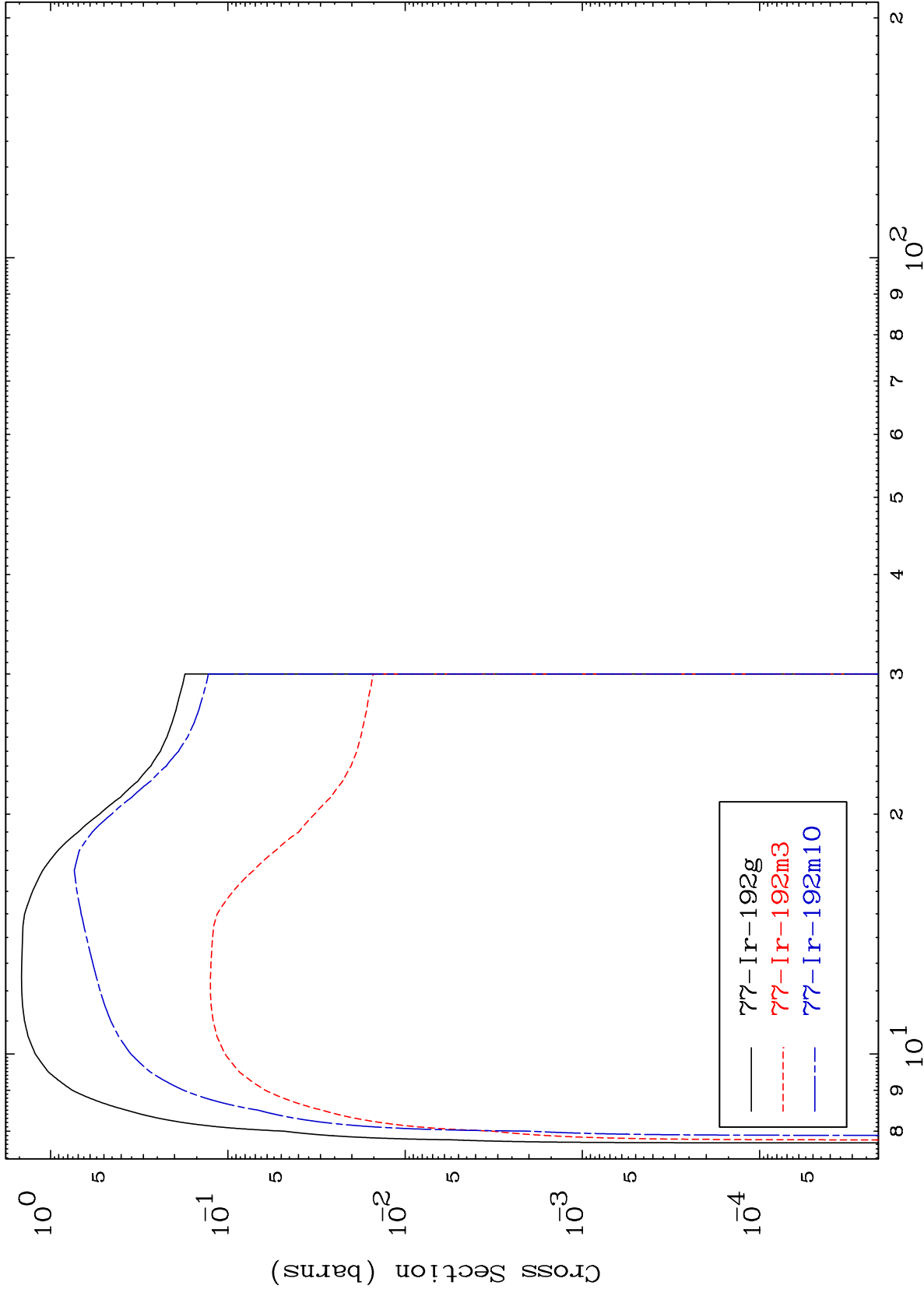
77-Ir-193

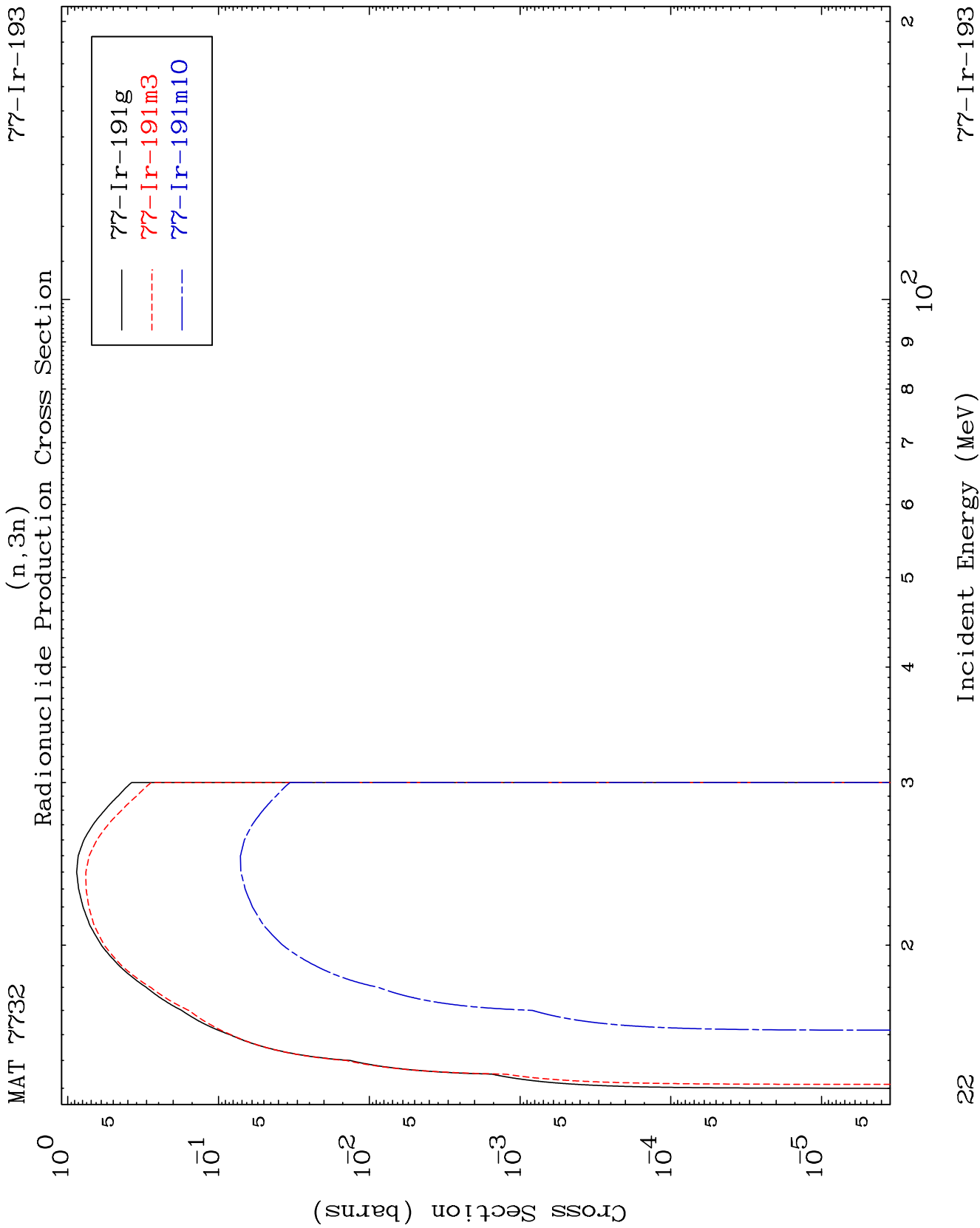
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(n,2n)

⁷⁷Ir-193

Radionuclide Production Cross Section



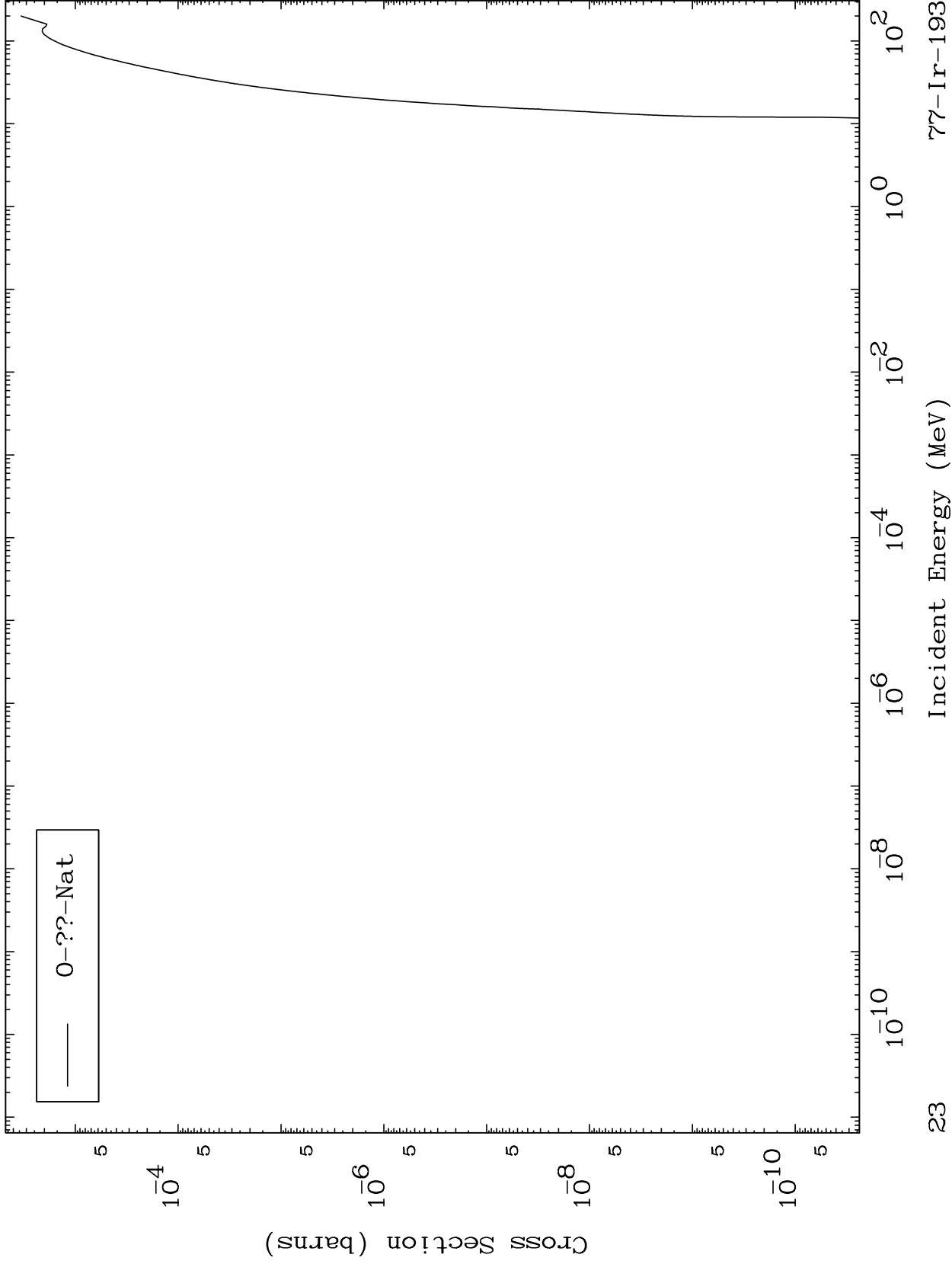


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Fission

⁷⁷Ir-193

Radionuclide Production Cross Section

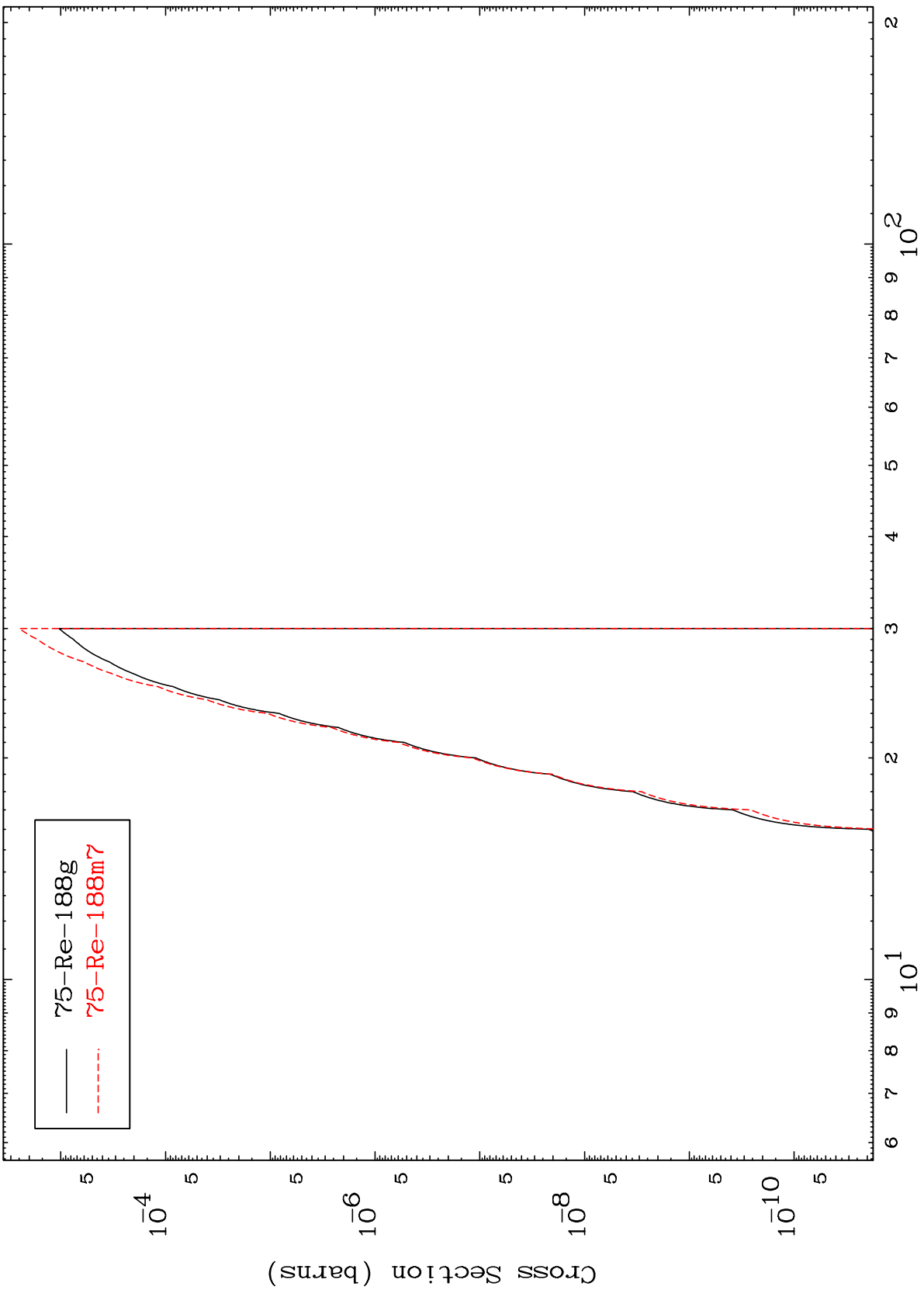


MAT 7732

$^{77}\text{Ir-193}$ α

$^{77}\text{Ir-193}$

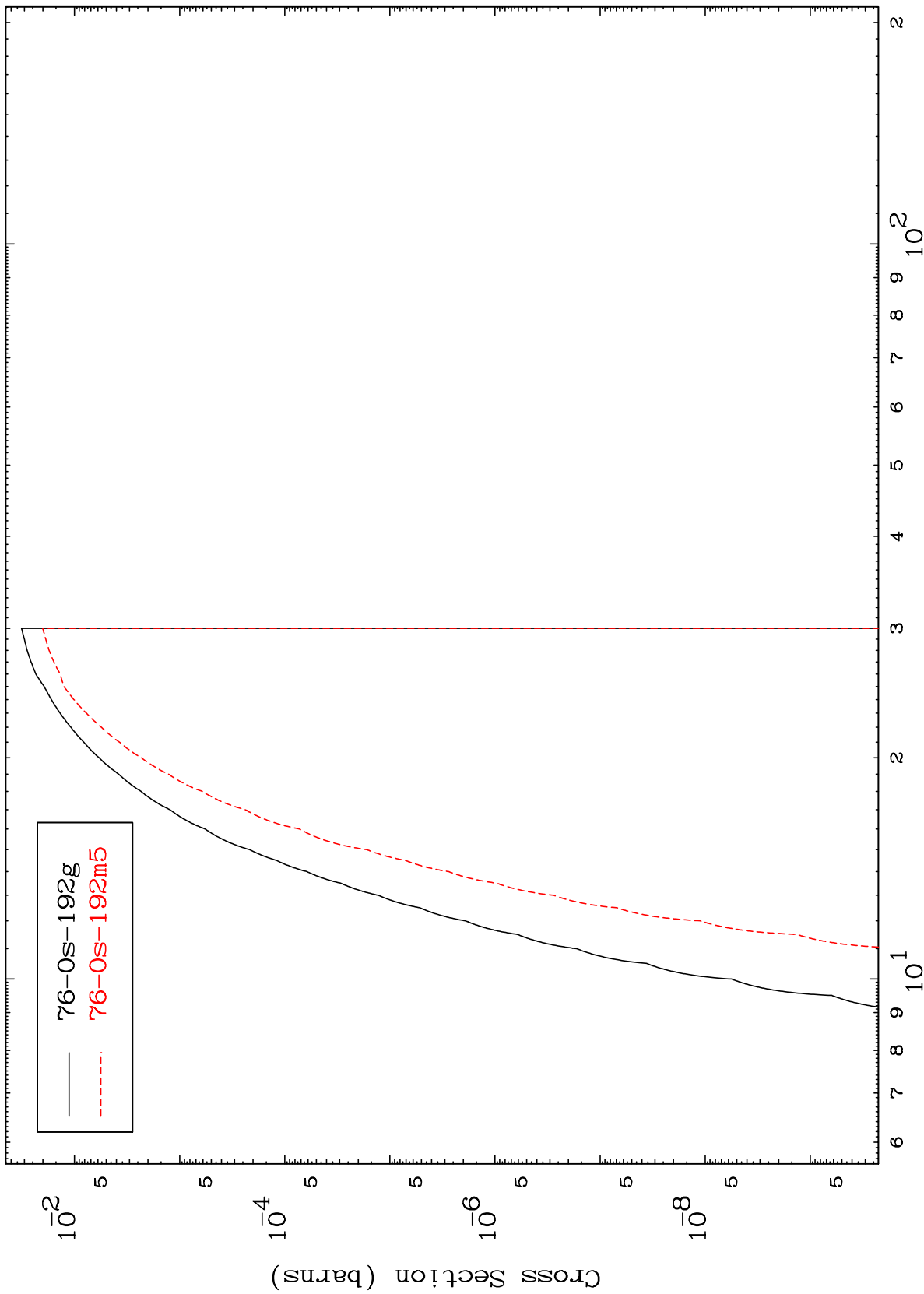
Radionuclide Production Cross Section



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77-Ir-193

(n,n') p
Radionuclide Production Cross Section



76-0s-192g
76-0s-192m5

77-Ir-193

Incident Energy (MeV)

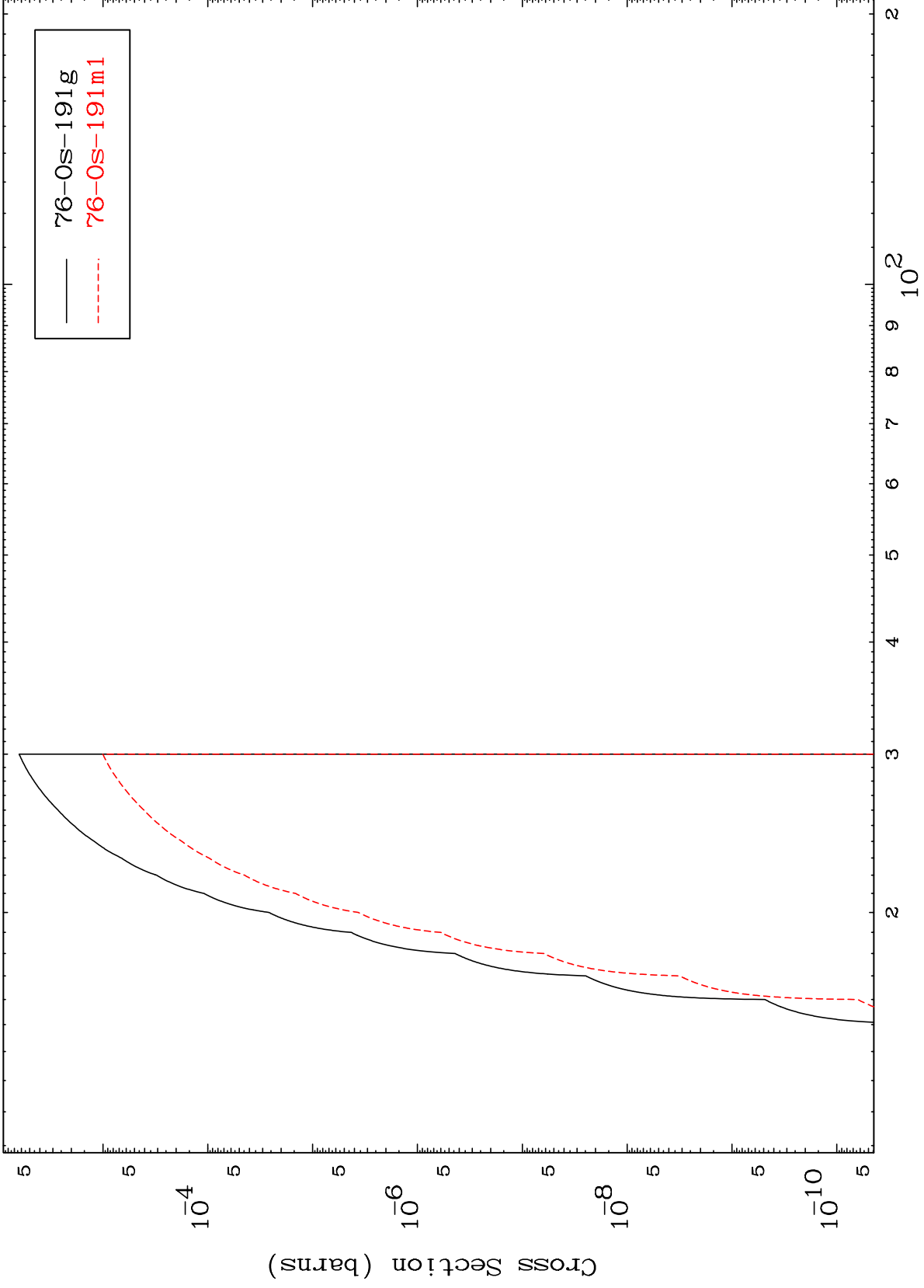
25

MAT 7732

(n,n') d

77-Ir-193

Radionuclide Production Cross Section

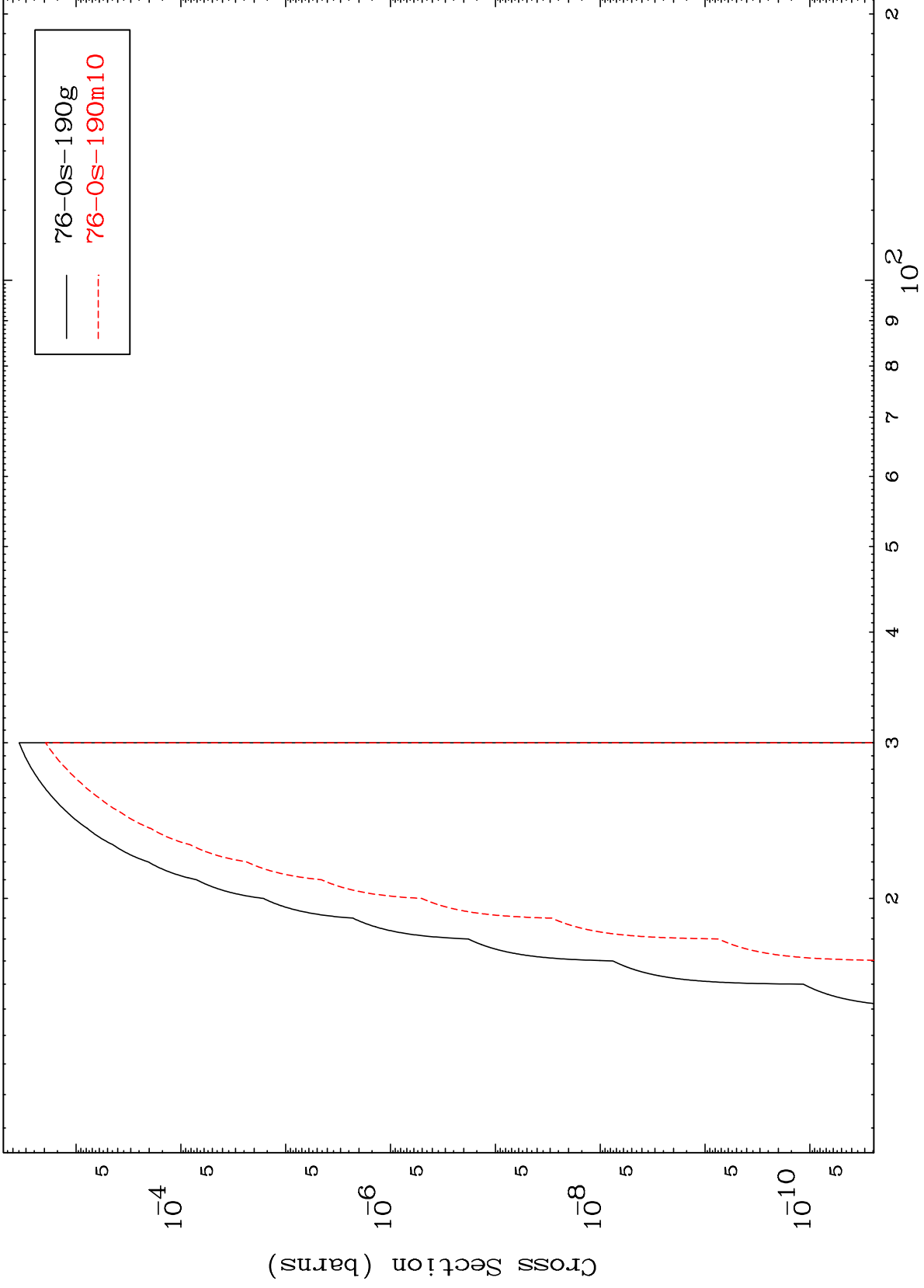


26

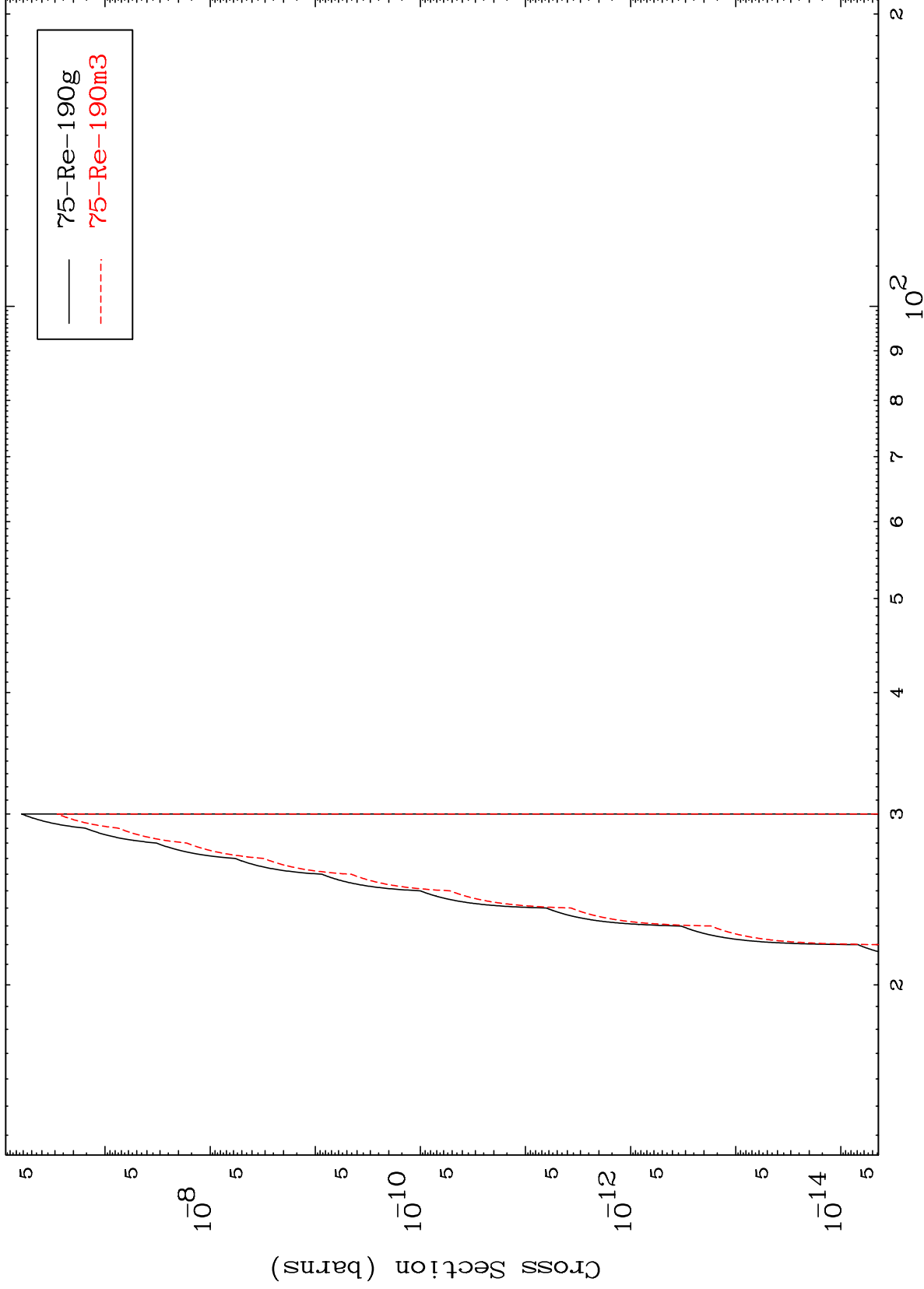
Incident Energy (MeV)

77-Ir-193

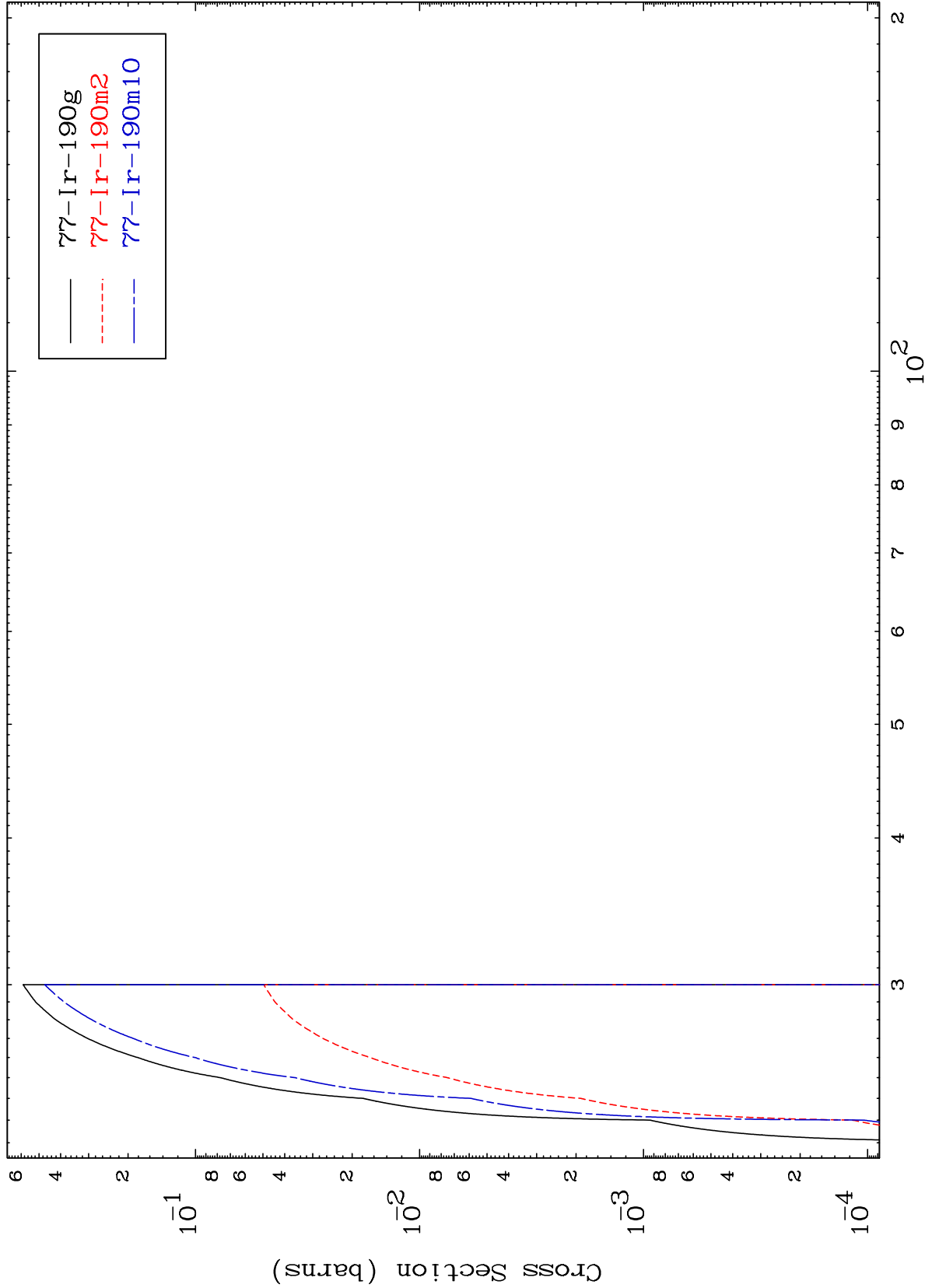
Radionuclide Production Cross Section



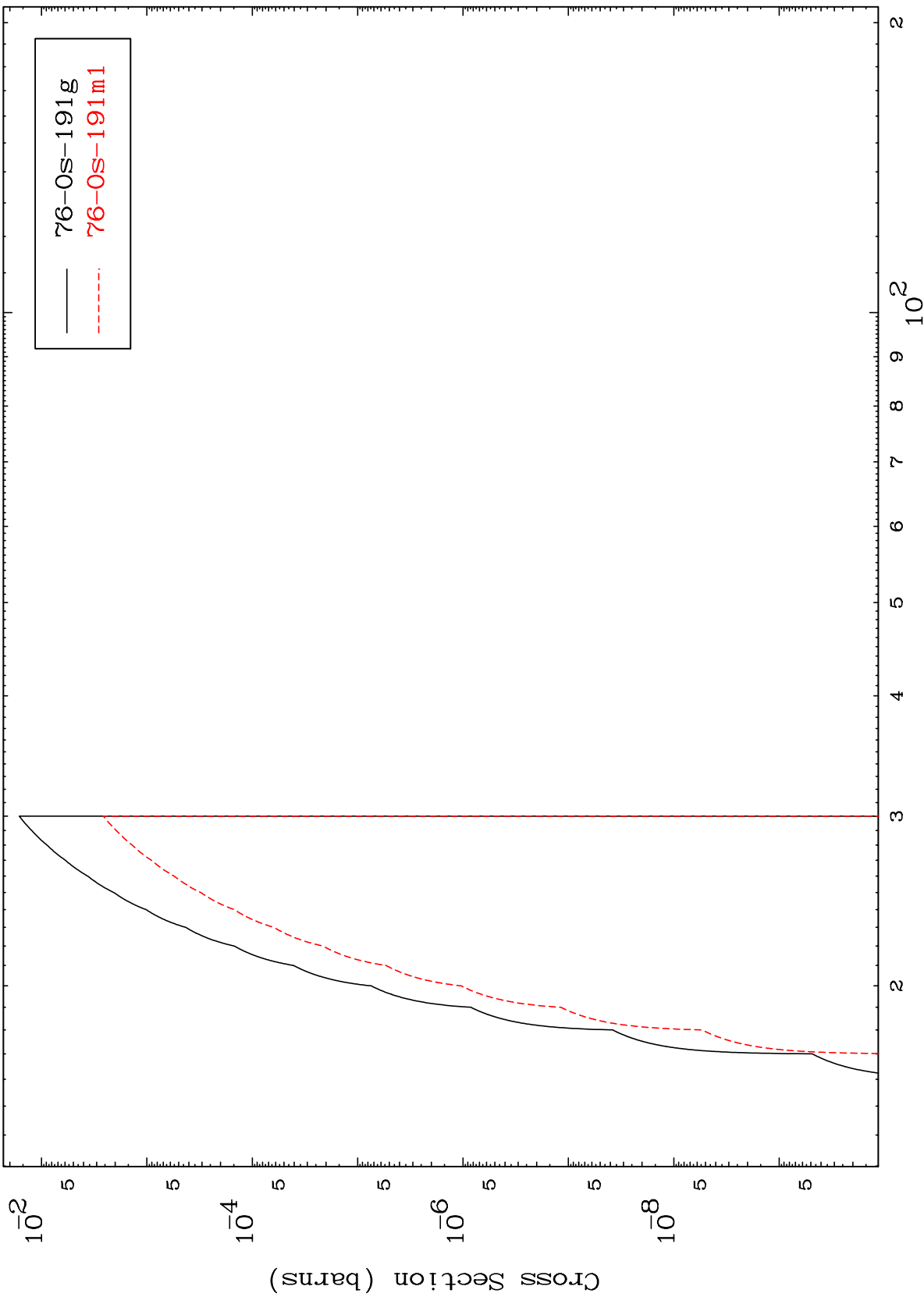
Radionuclide Production Cross Section



Radionuclide Production Cross Section



Radionuclide Production Cross Section



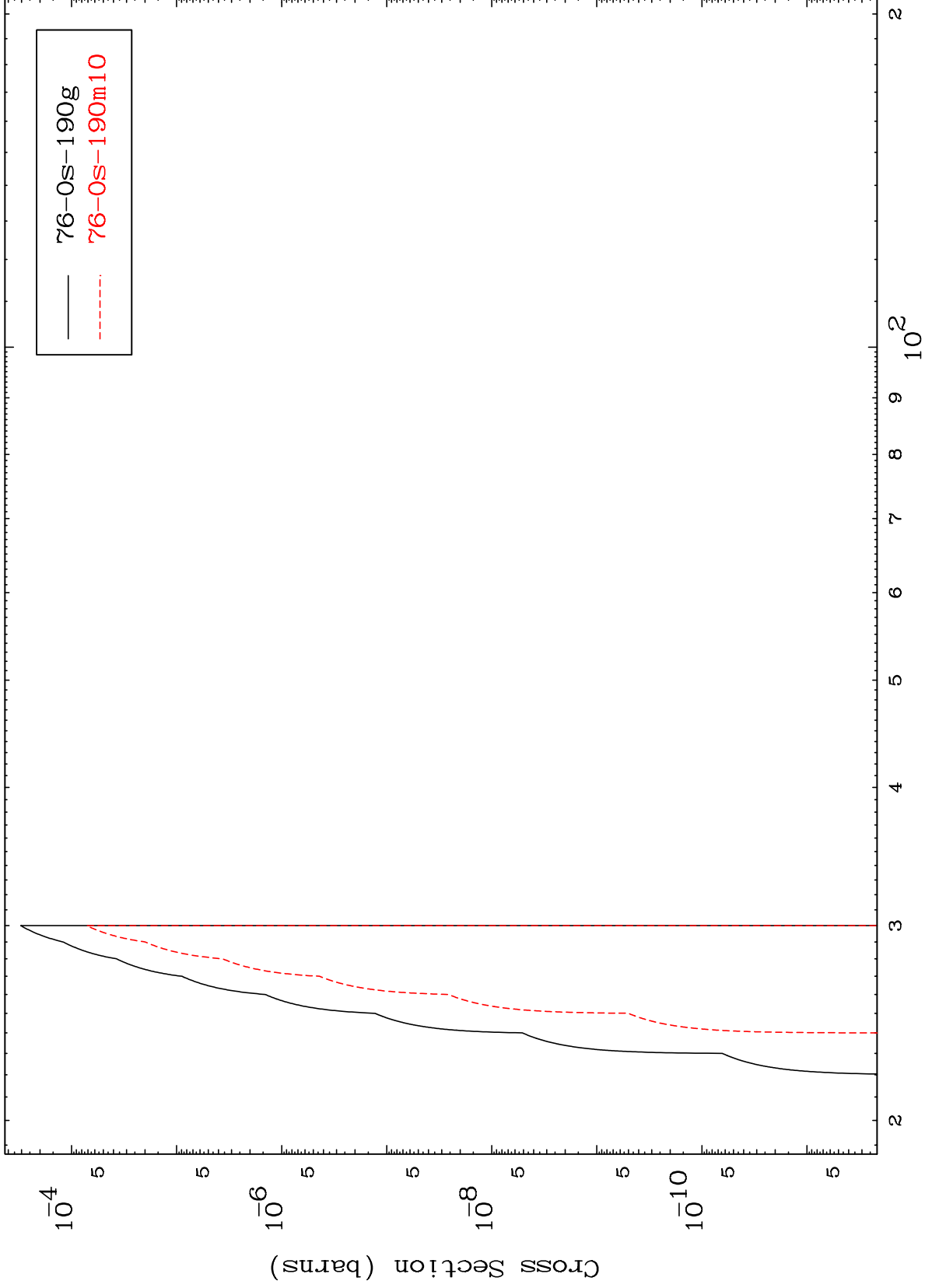
76-Os-191g
76-Os-191m1

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(n,3n) p

⁷⁷Ir-193

Radionuclide Production Cross Section



31

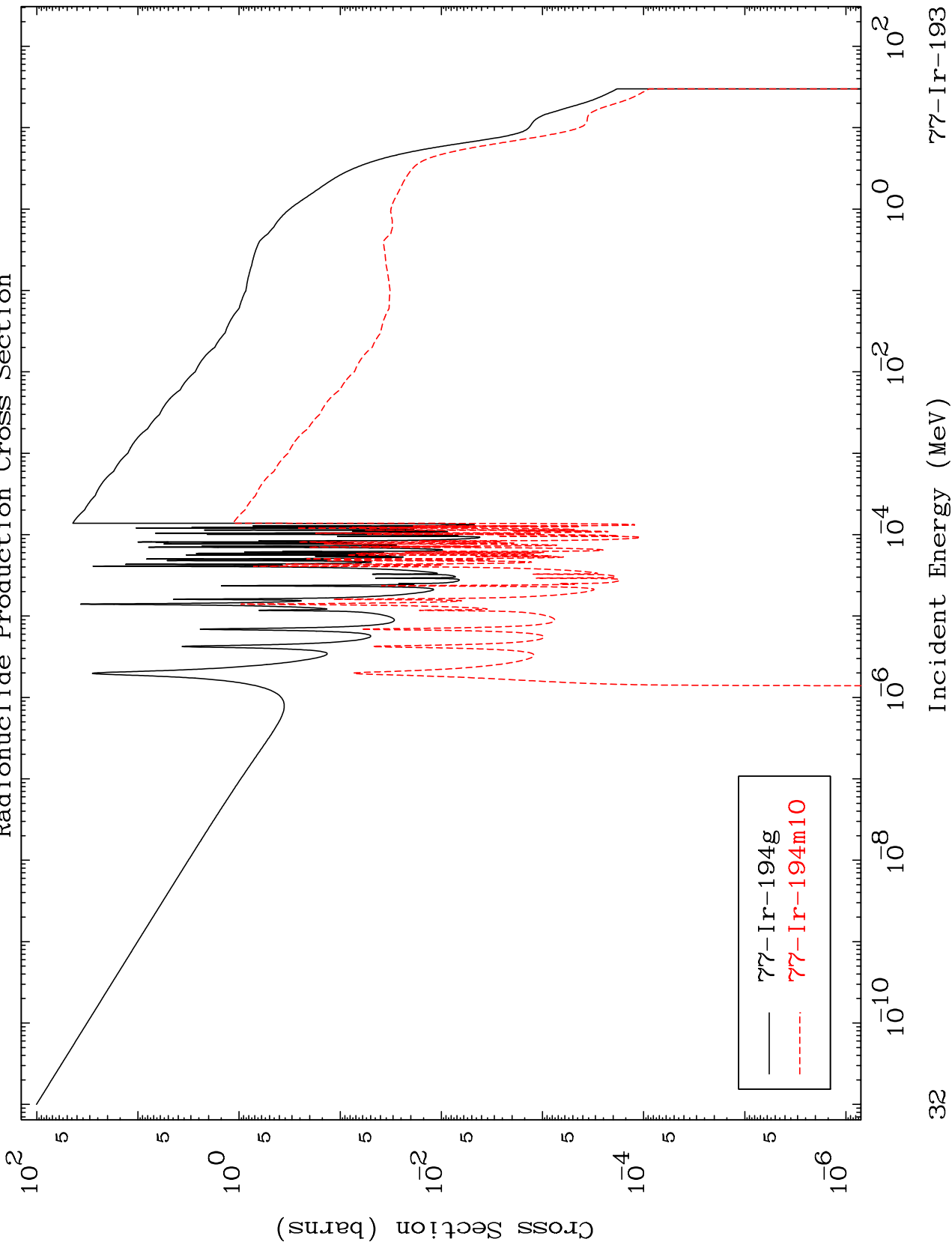
Incident Energy (MeV)

⁷⁷Ir-193

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⁷⁷Ir-193

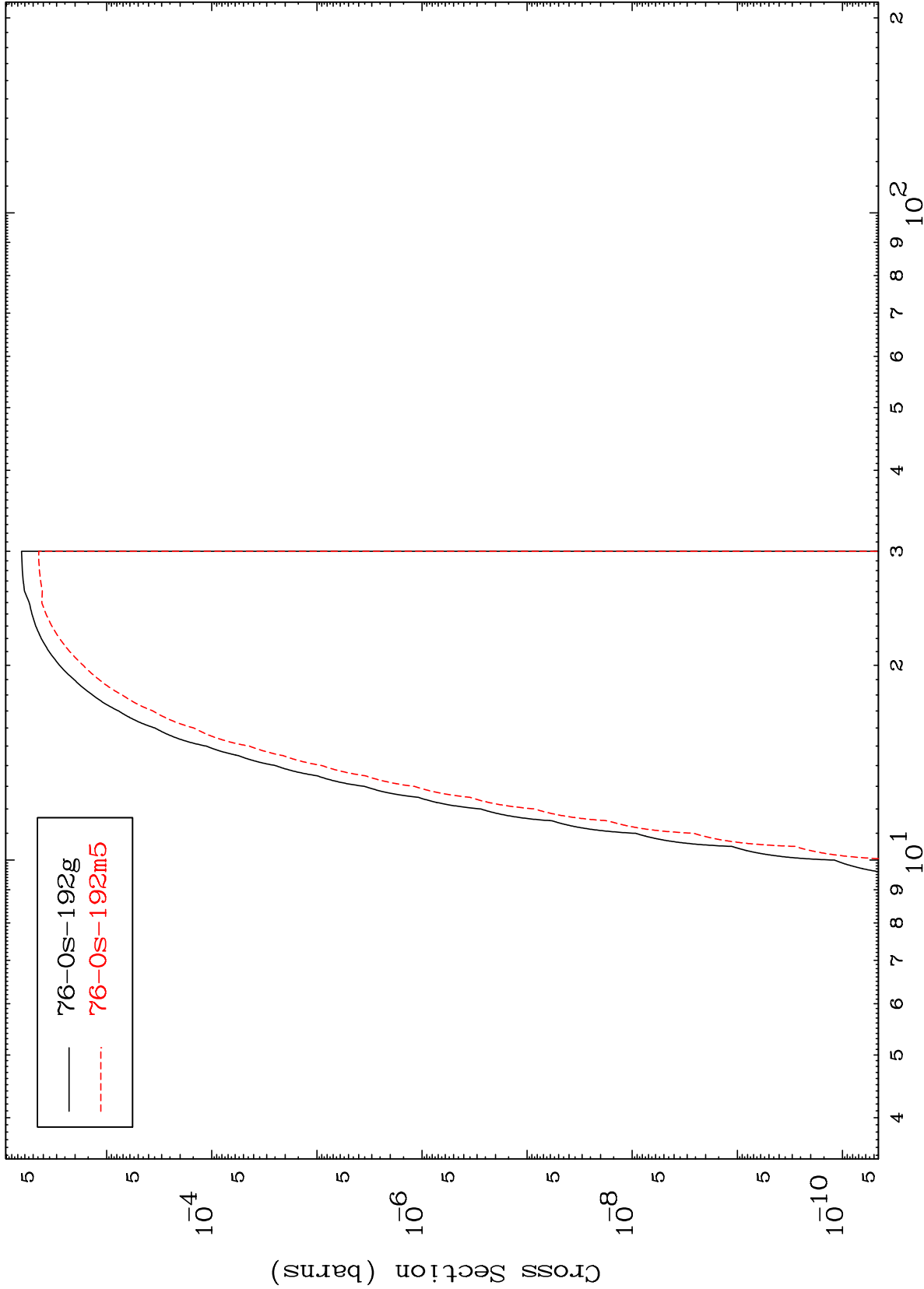
(n,γ)
Radionuclide Production Cross Section



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77-Ir-193

(n,d)
Radionuclide Production Cross Section



77-Ir-193

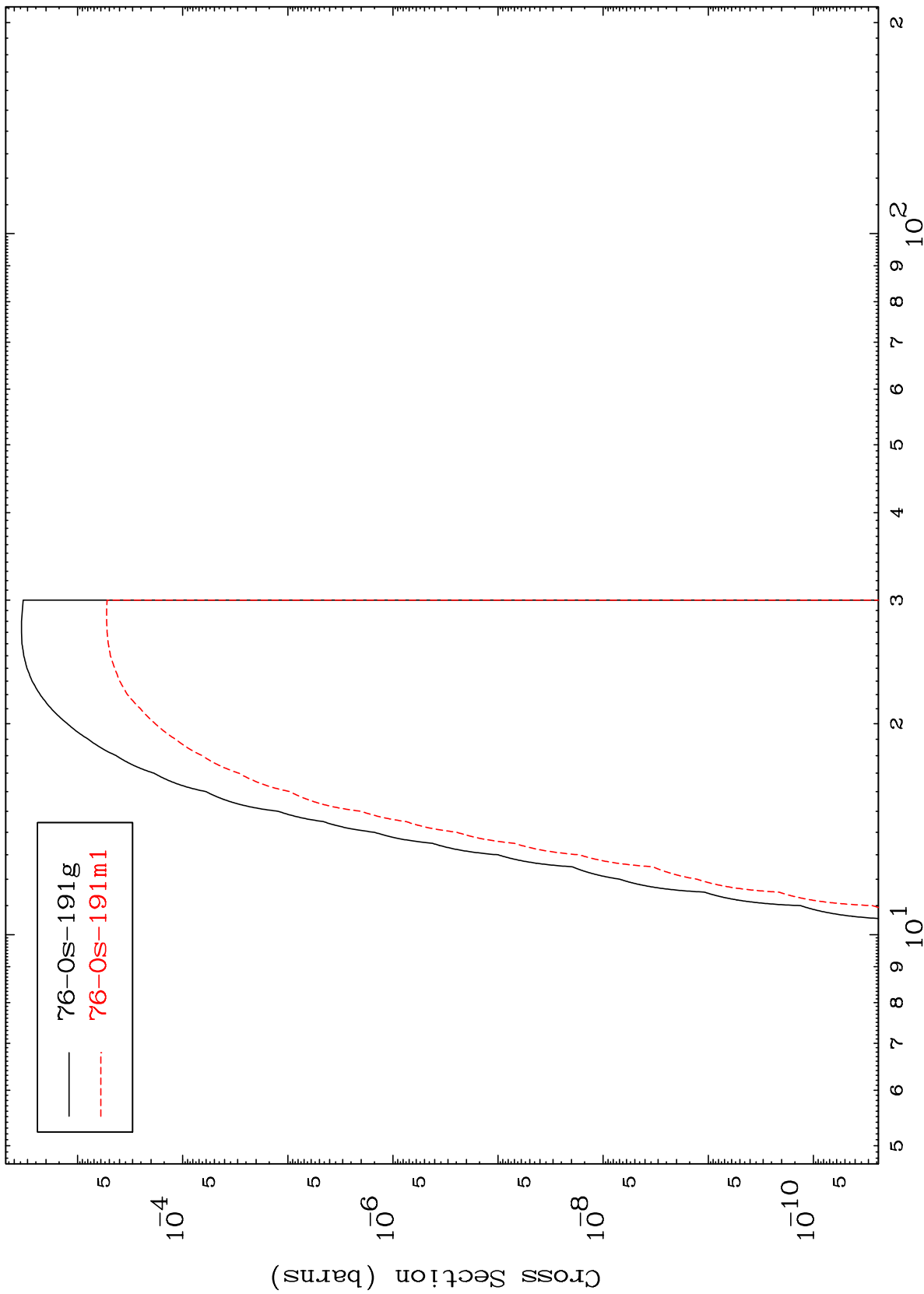
Incident Energy (MeV)

33

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77-Ir-193

(n,t)
Radionuclide Production Cross Section



77-Ir-193

Incident Energy (MeV)

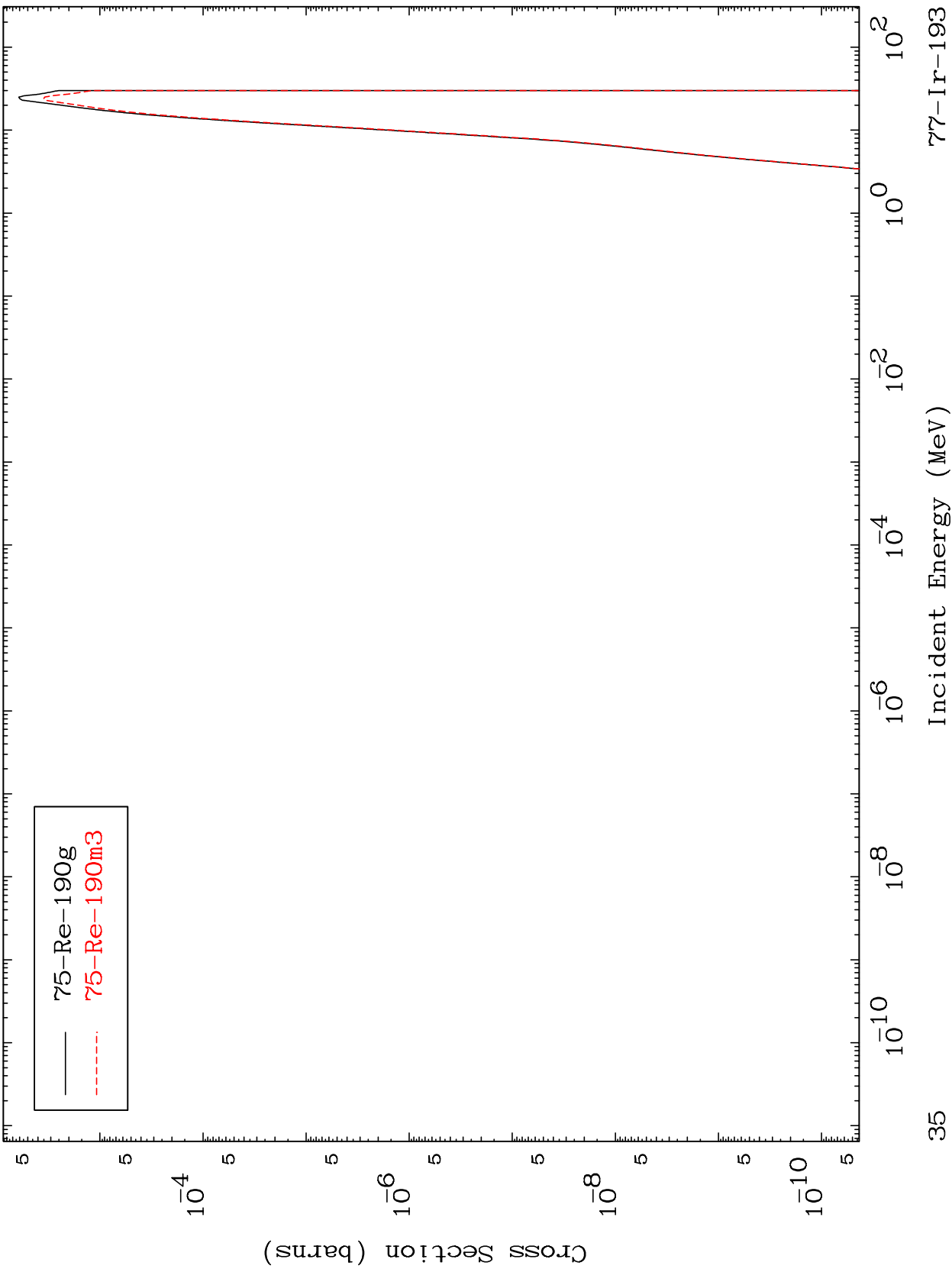
34

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(n, α)

⁷⁷Ir-193

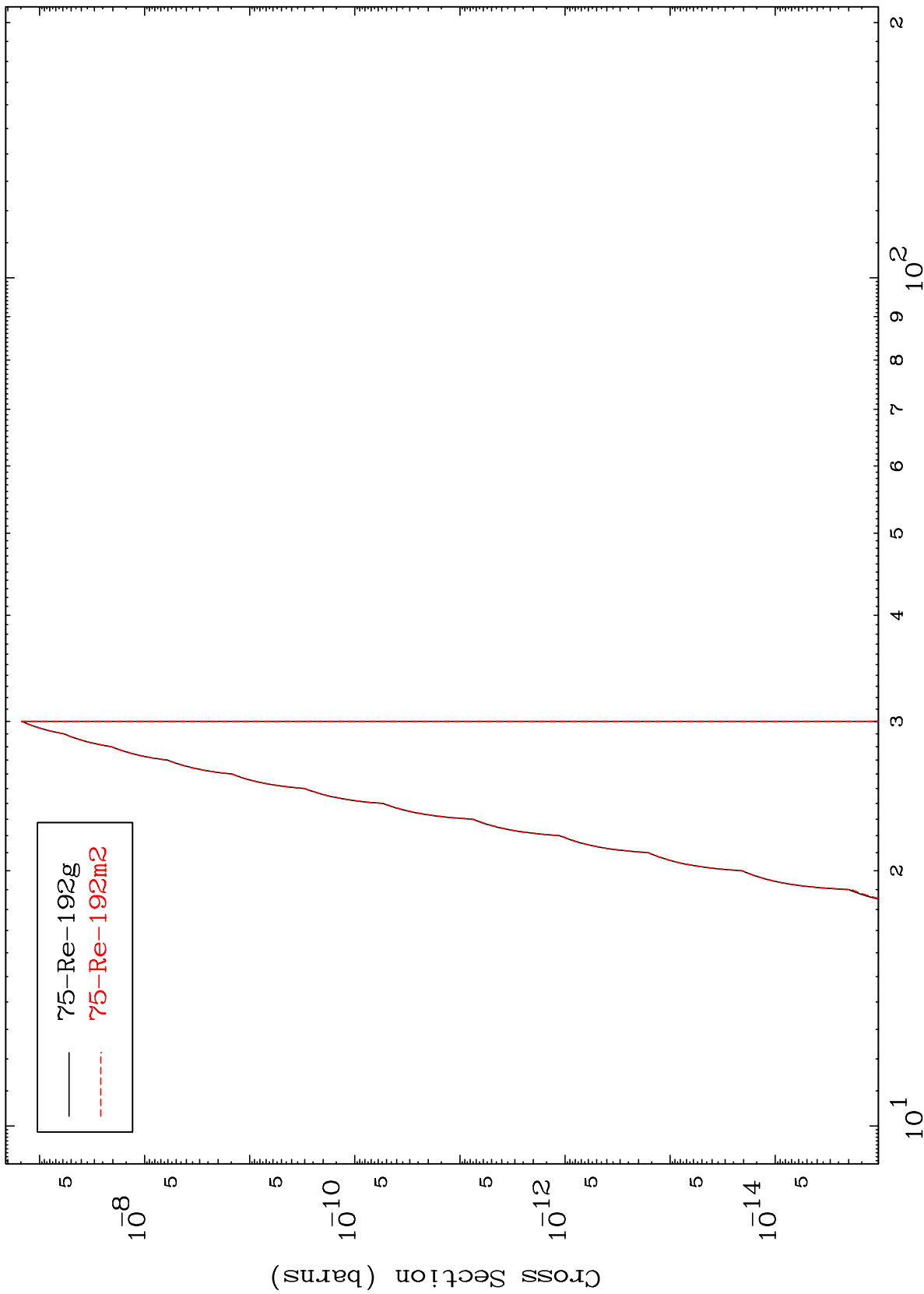
Radionuclide Production Cross Section



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77-Ir-193

(n,2p)
Radionuclide Production Cross Section



77-Ir-193

Incident Energy (MeV)

36