

Program EVALPLOT
(Version 2021-1)

by

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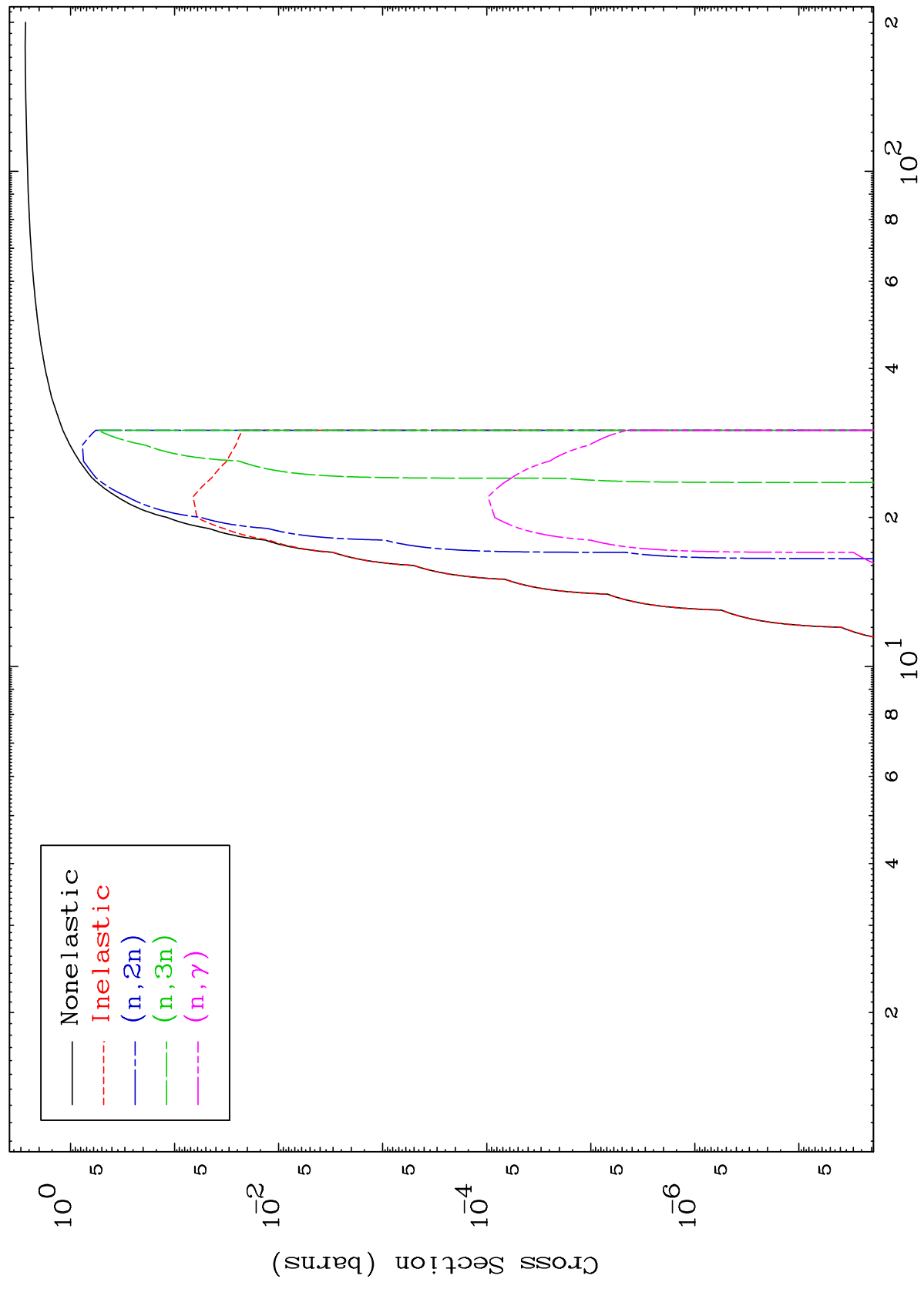
Press Mouse Button to Start

MAT 7730

0 Kelvin

Major Cross Sections

⁷⁷Ir-192n

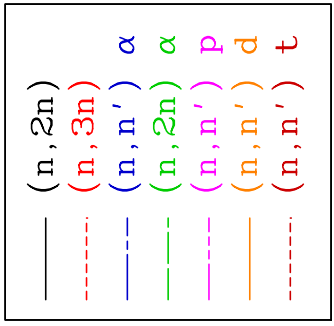
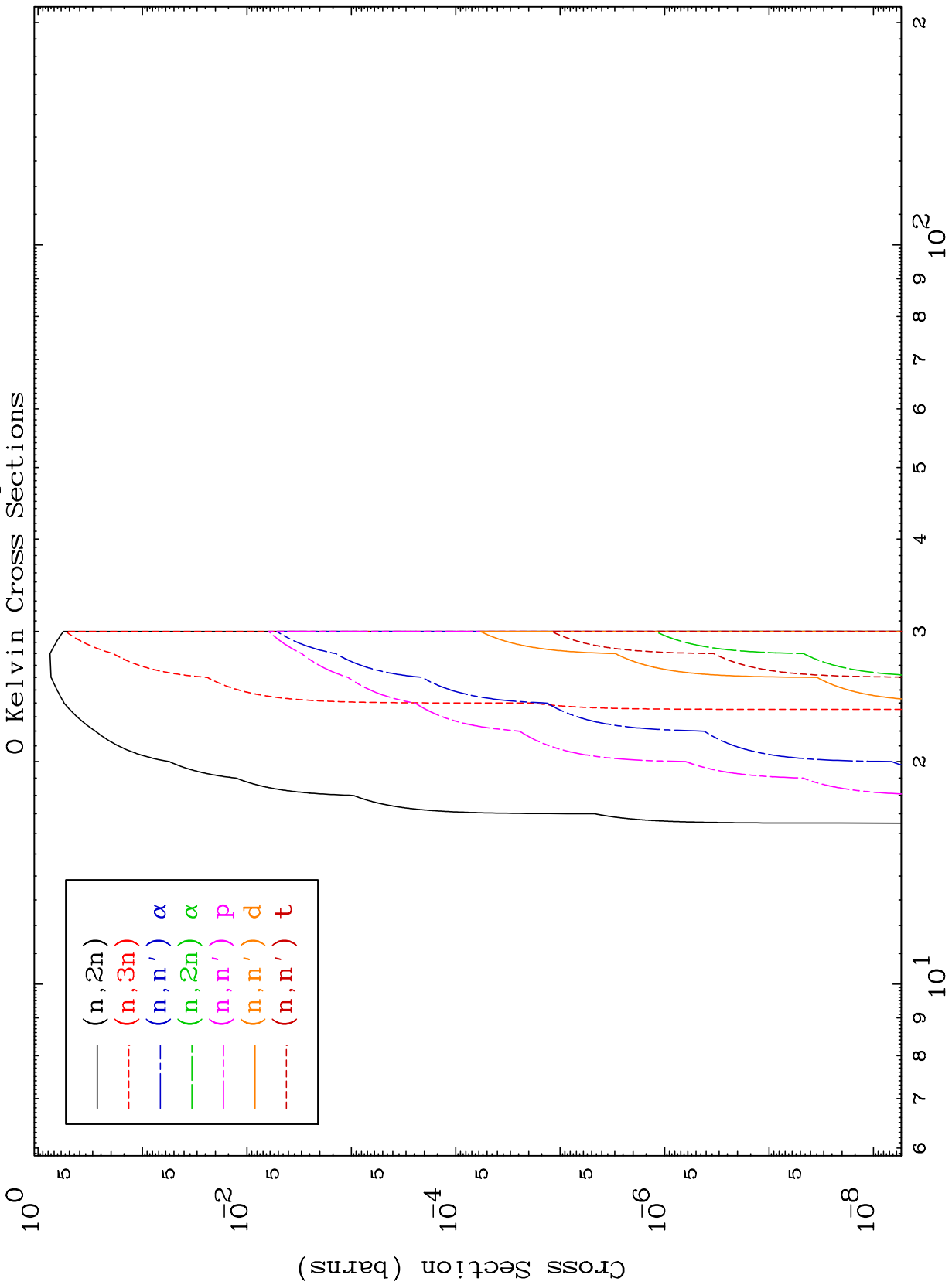


Legend:
— Nonelastic
- - - Inelastic
- - - (n,2n)
- - - (n,3n)
- - - (n,γ)

MAT 7730

α Neutron Absorption
0 Kelvin Cross Sections

77-Ir-192n



2

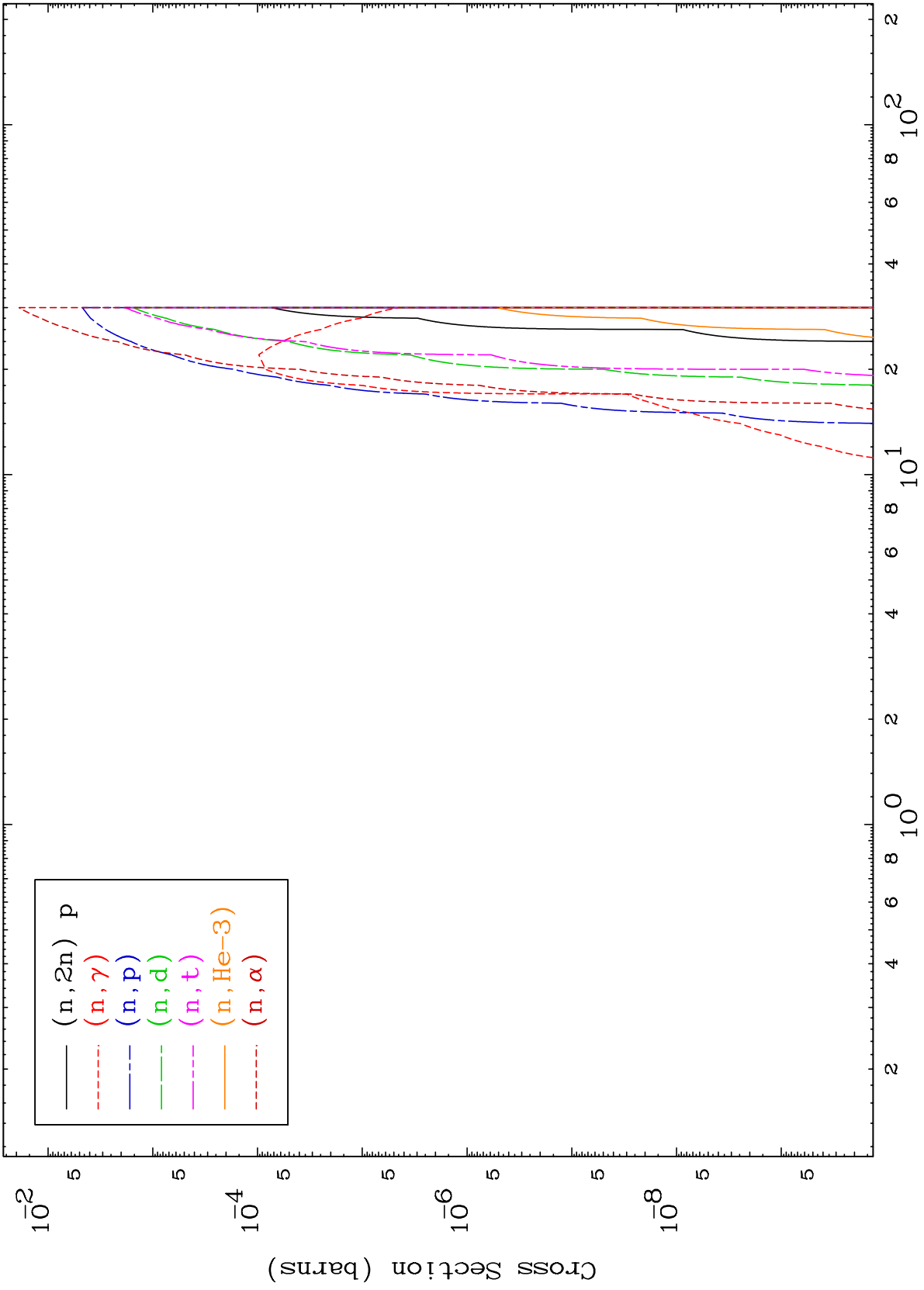
Incident Energy (MeV)

77-Ir-192n

MAT 7730

α Neutron Absorption
0 Kelvin Cross Sections

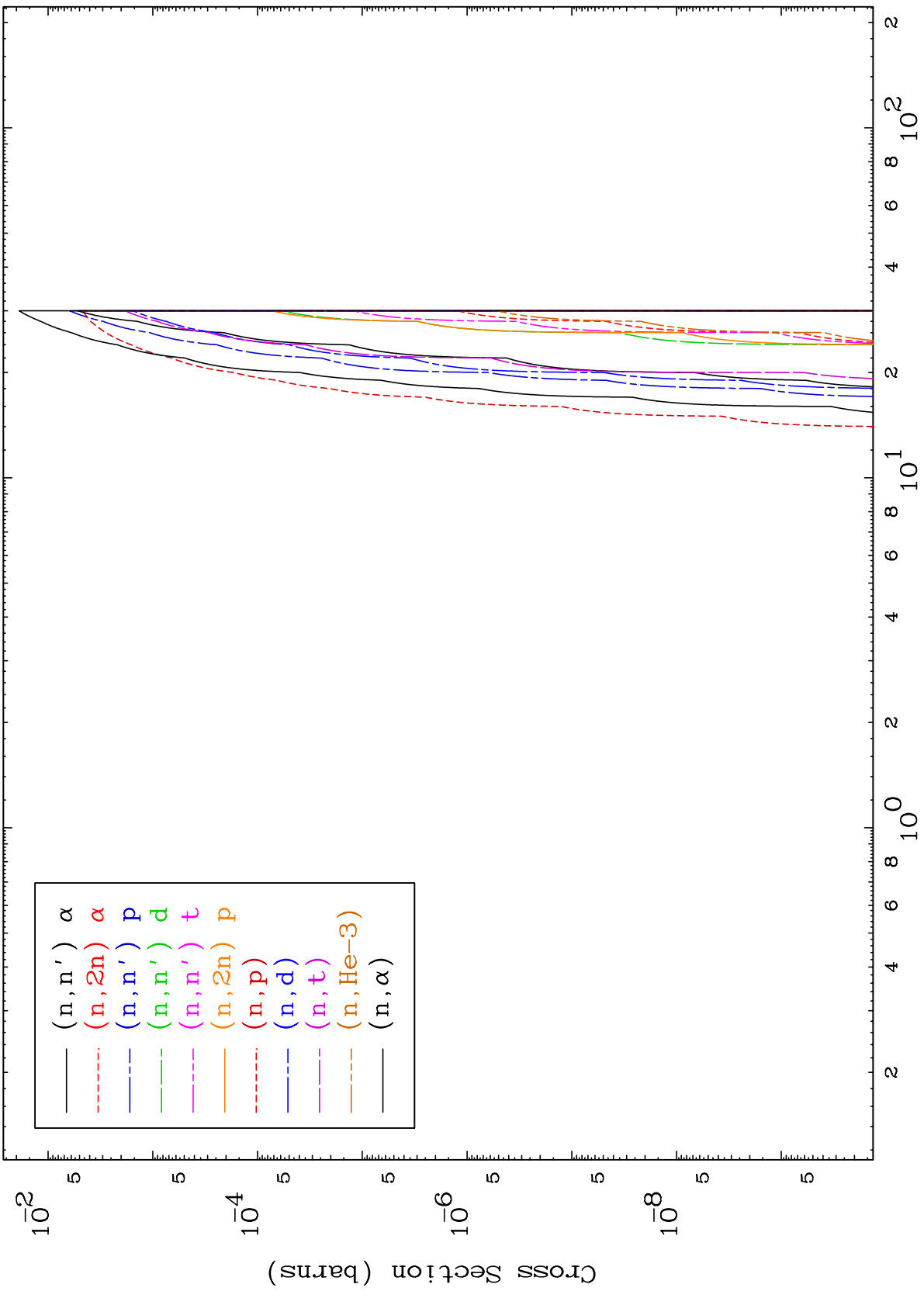
77-Ir-192n



MAT 7730

α Charged Particle
0 Kelvin Cross Sections

77-Ir-192n



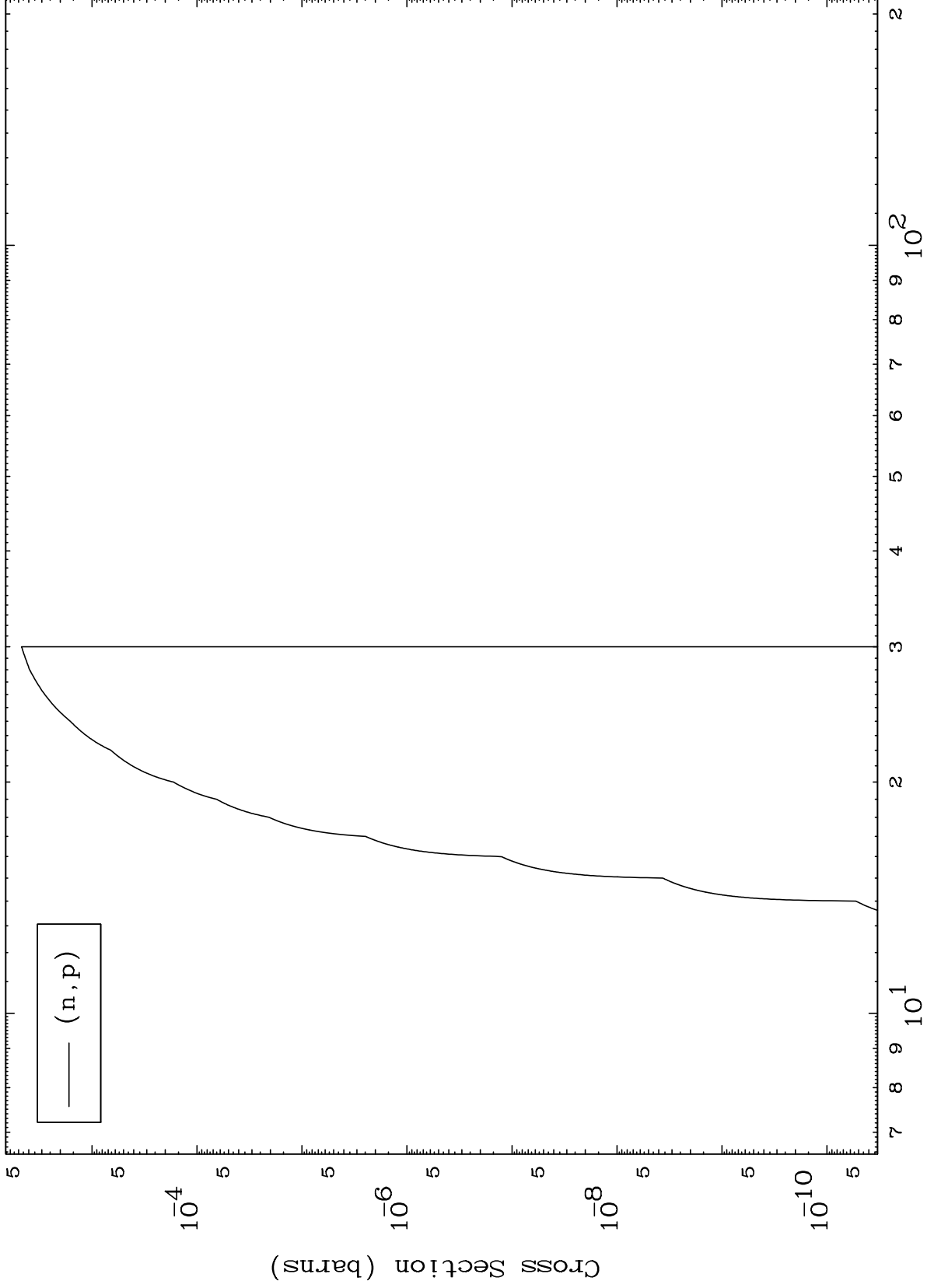
77-Ir-192n

Incident Energy (MeV)

MAT 7730

(α, p) Levels
0 Kelvin Cross Sections

77-Ir-192n



5

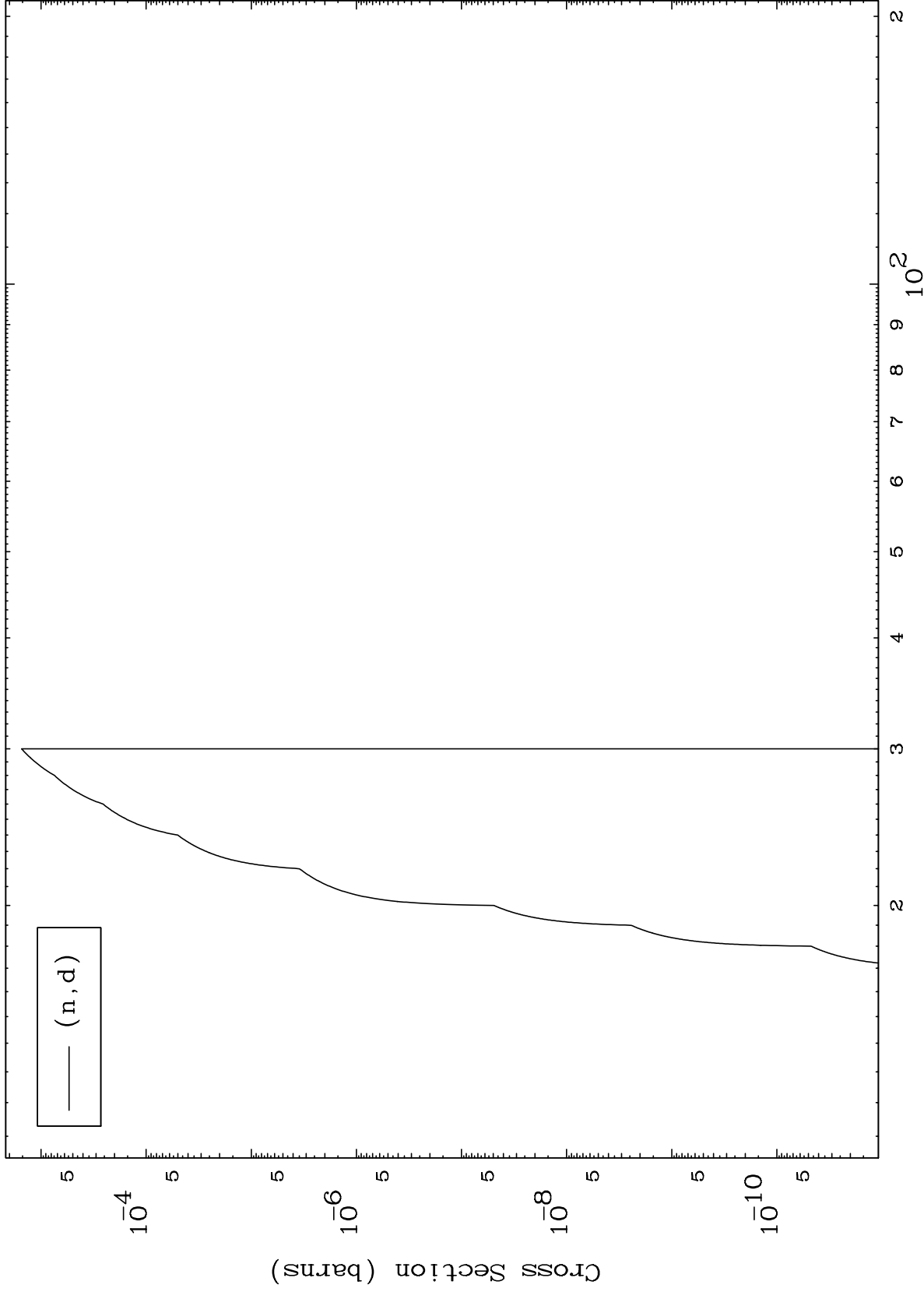
Incident Energy (MeV)

77-Ir-192n

MAT 7730

(α, d) Levels
0 Kelvin Cross Sections

77-Ir-192n



6

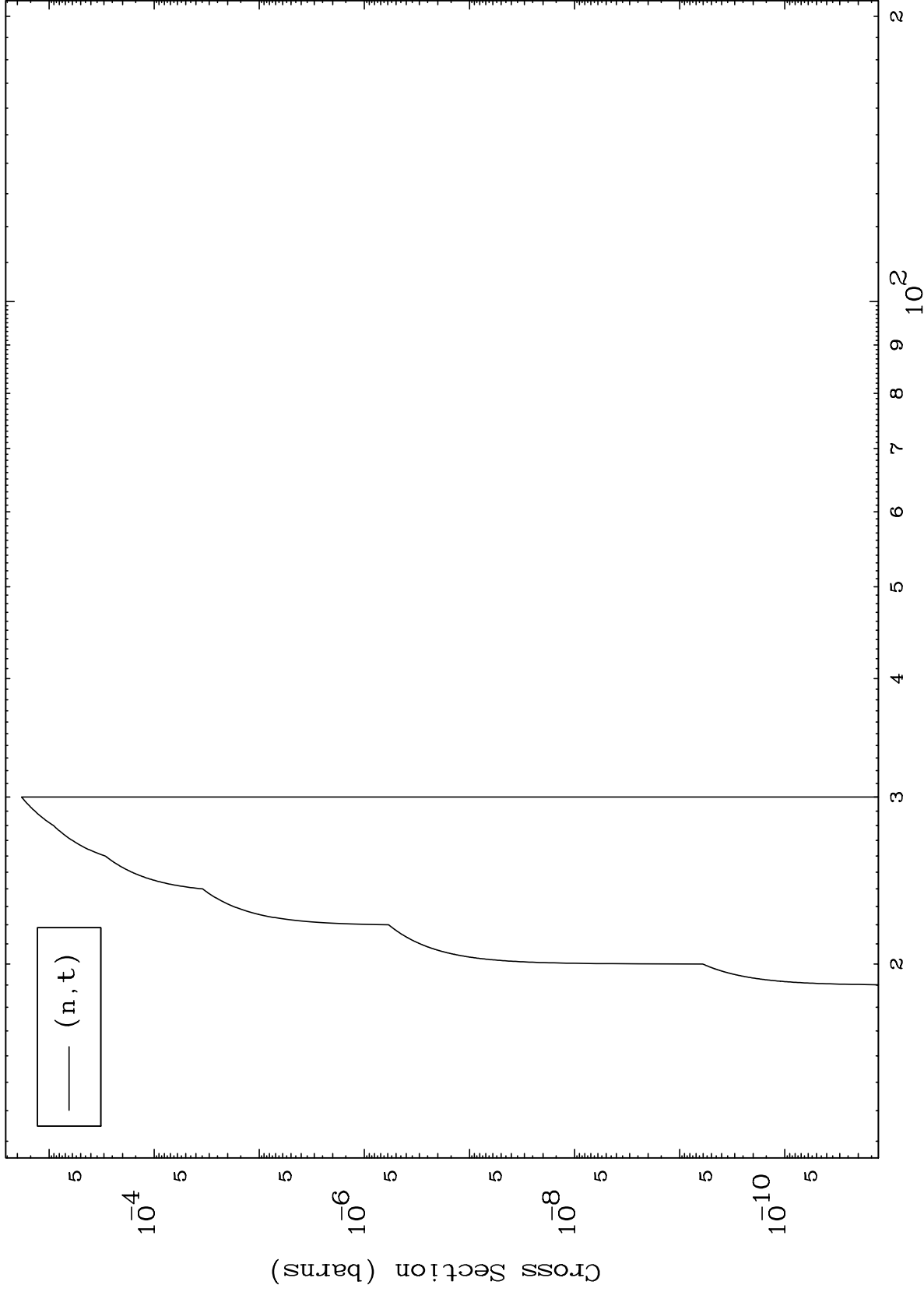
Incident Energy (MeV)

77-Ir-192n

MAT 7730

(α, t) Levels
0 Kelvin Cross Sections

77-Ir-192n



7

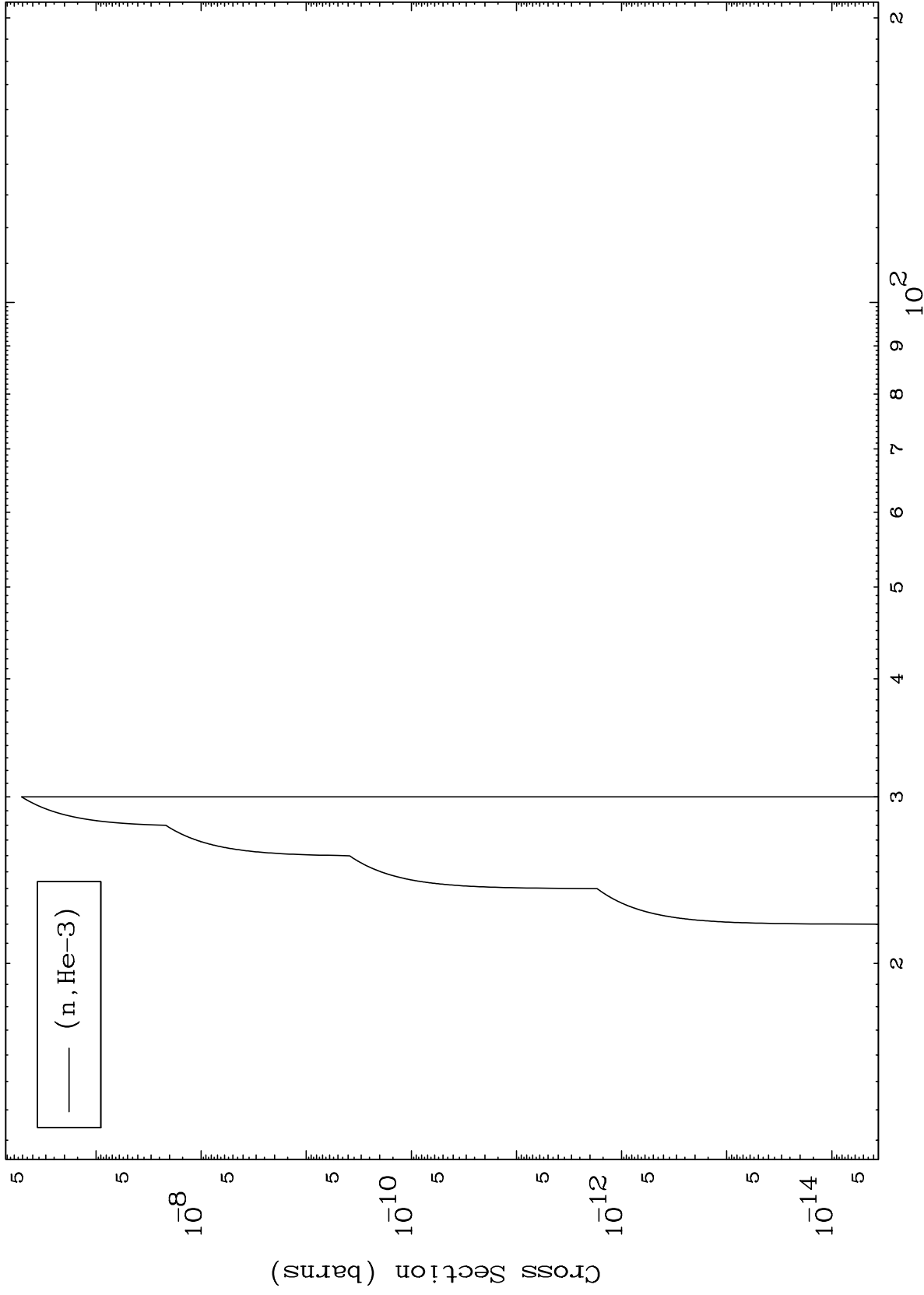
Incident Energy (MeV)

77-Ir-192n

MAT 7730

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

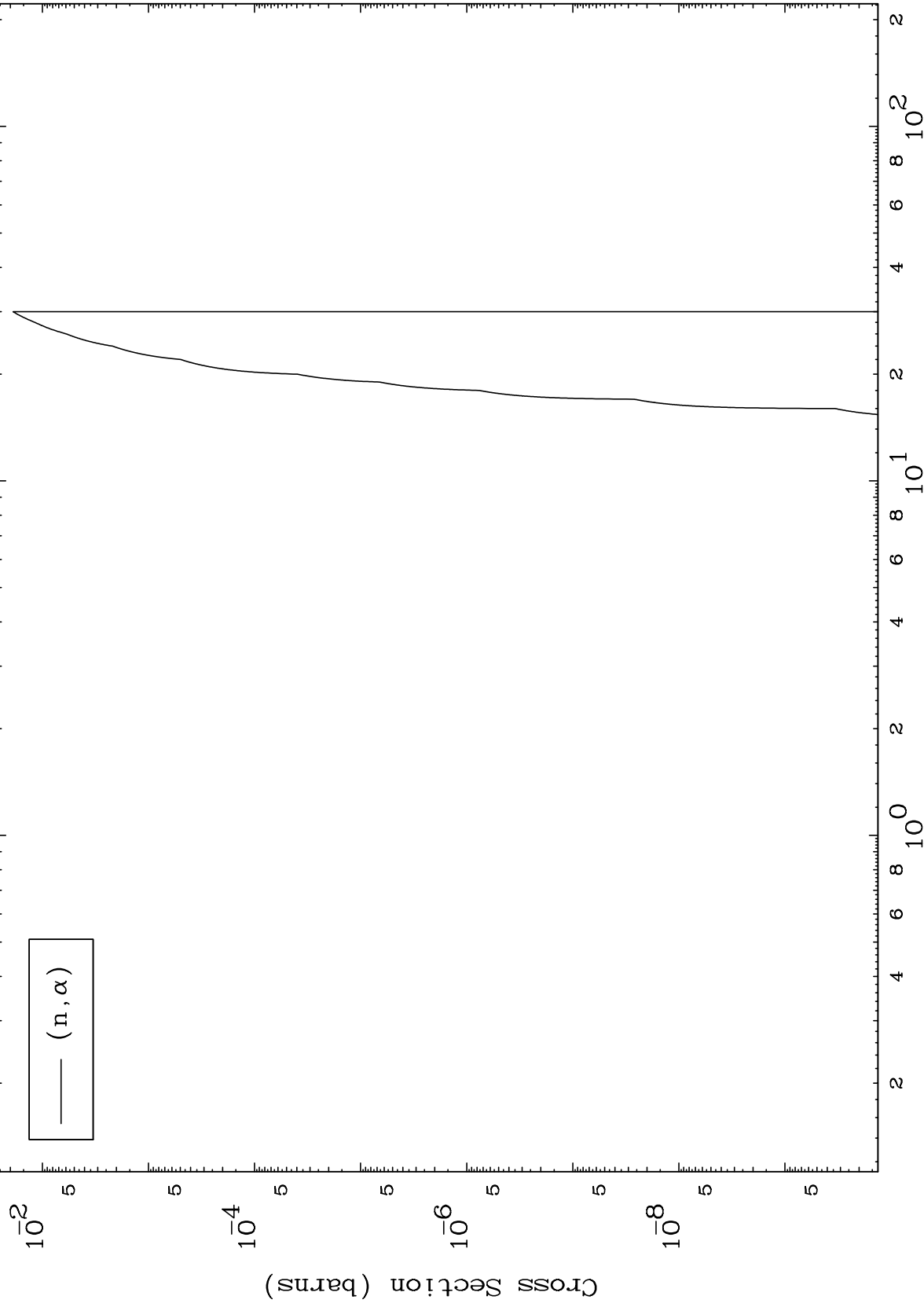
77-Ir-192n



MAT 7730

(α, α) Levels
0 Kelvin Cross Sections

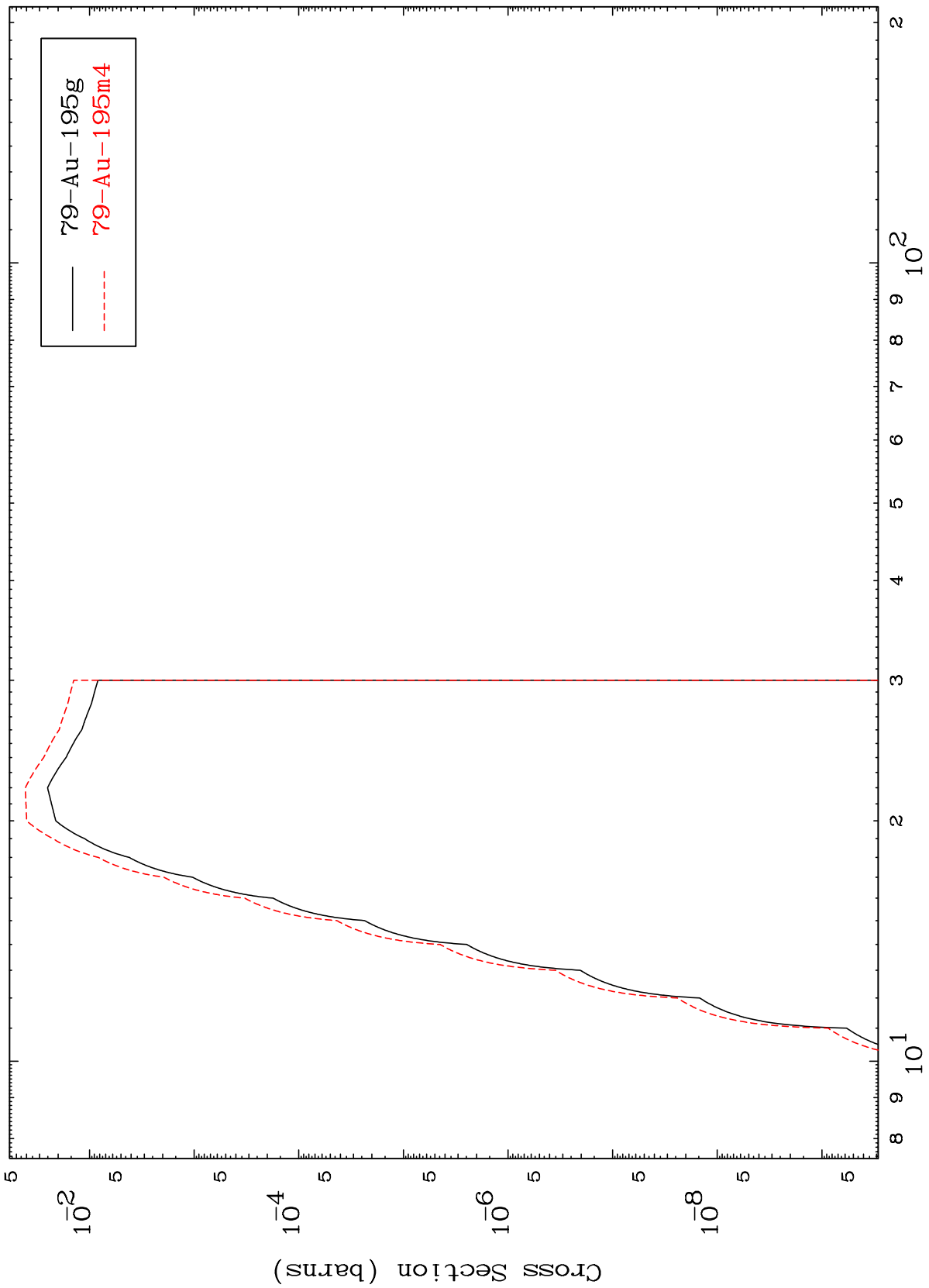
77-Ir-192n



MAT 7730

⁷⁷Ir-192n

Inelastic
Radionuclide Production Cross Section



⁷⁷Ir-192n

Incident Energy (MeV)

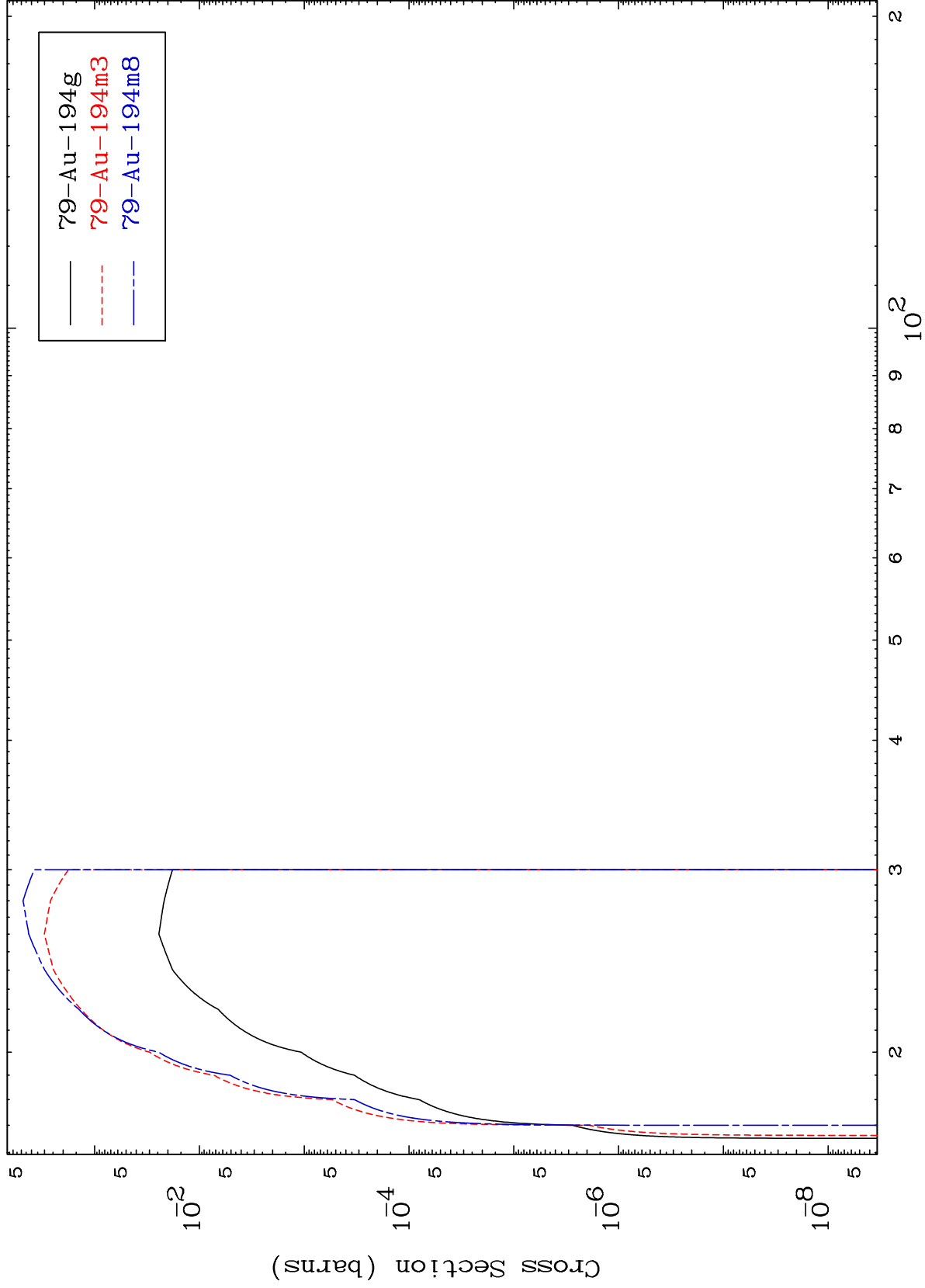
10

MAT 7730

(n,2n)

⁷⁷Ir-192n

Radionuclide Production Cross Section



11

Incident Energy (MeV)

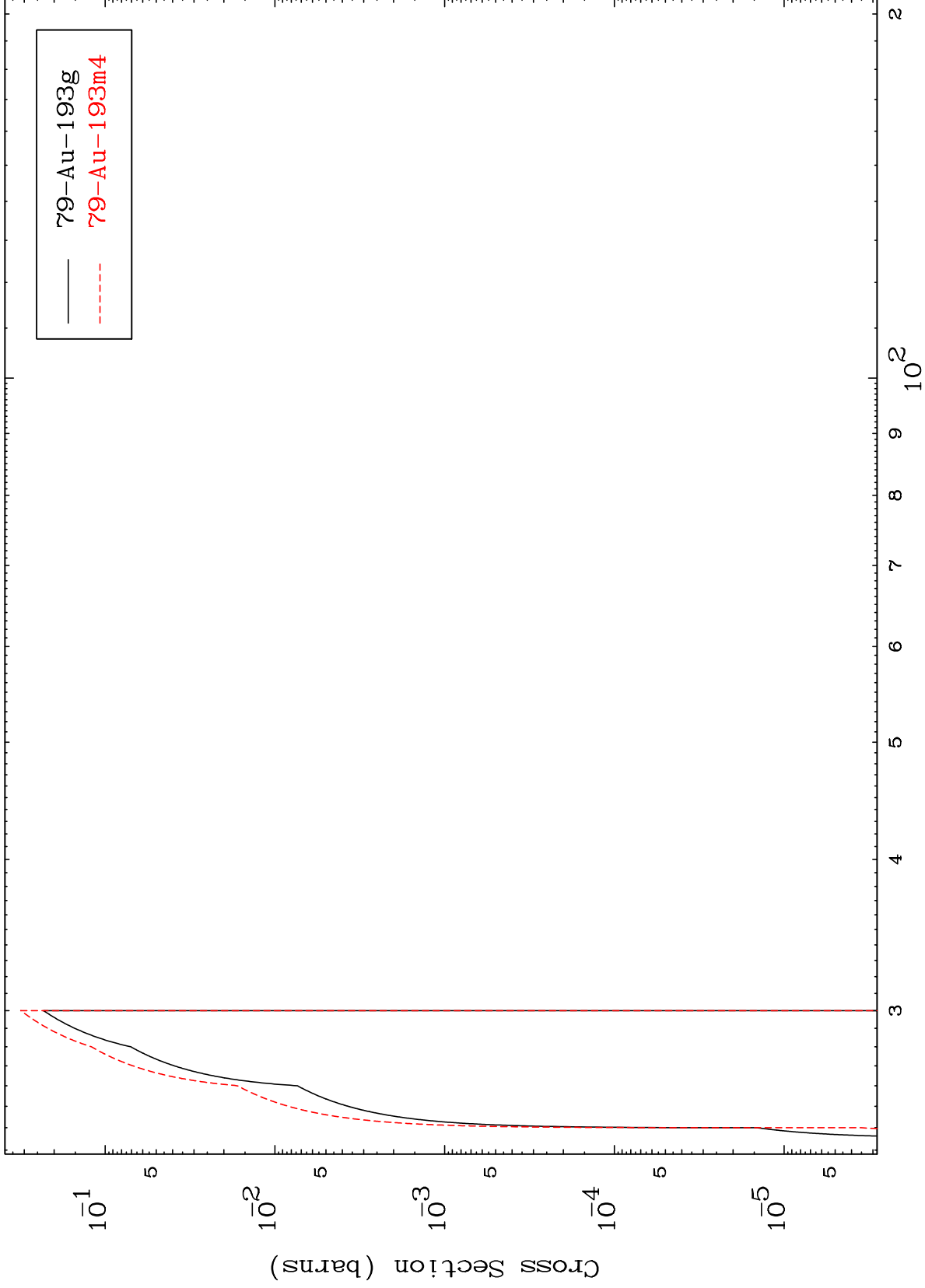
⁷⁷Ir-192n

MAT 7730

(n,3n)

⁷⁷Ir-192n

Radionuclide Production Cross Section



12

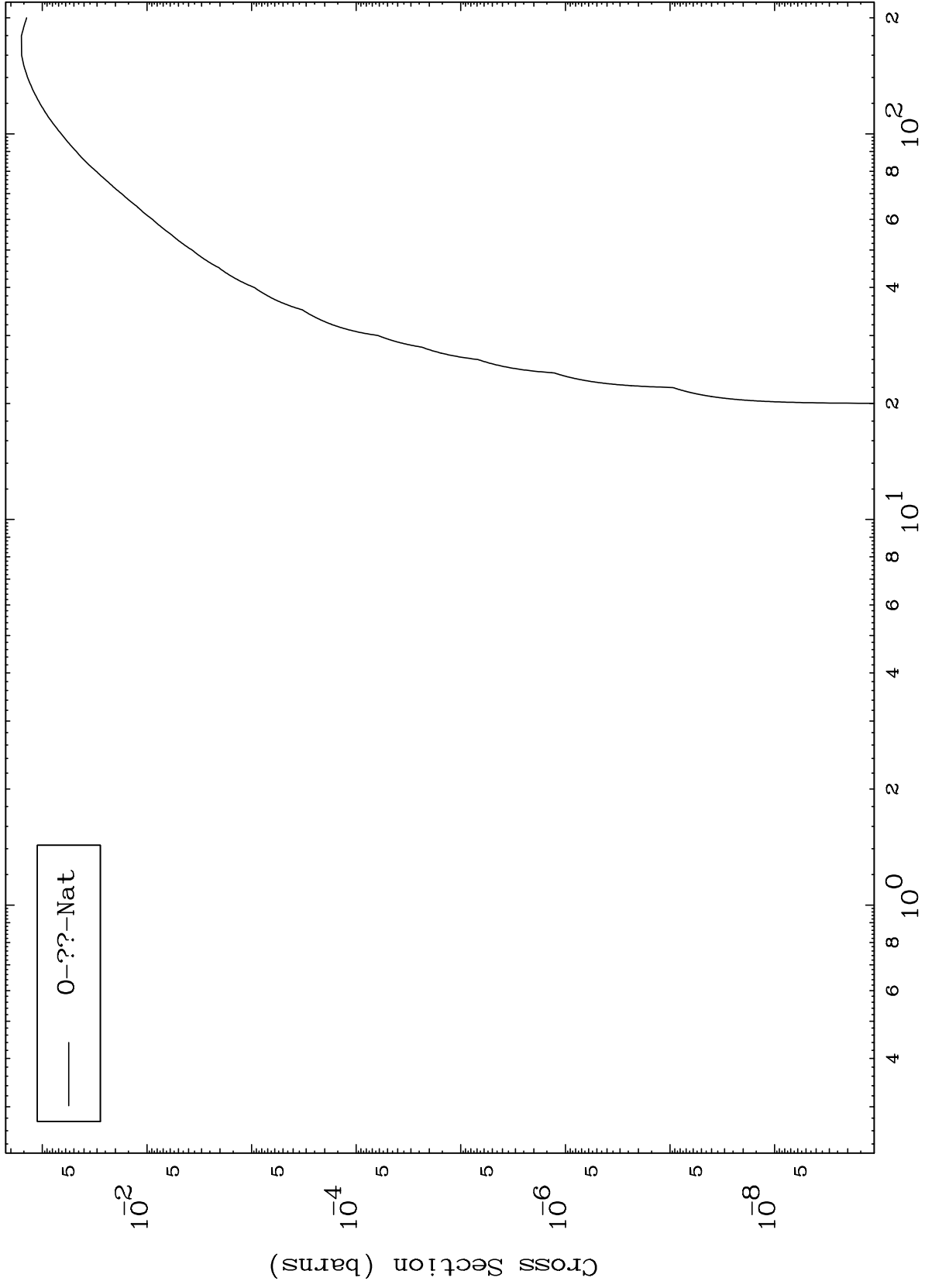
Incident Energy (MeV)

⁷⁷Ir-192n

MAT 7730

Fission
Radionuclide Production Cross Section

⁷⁷Ir-192n



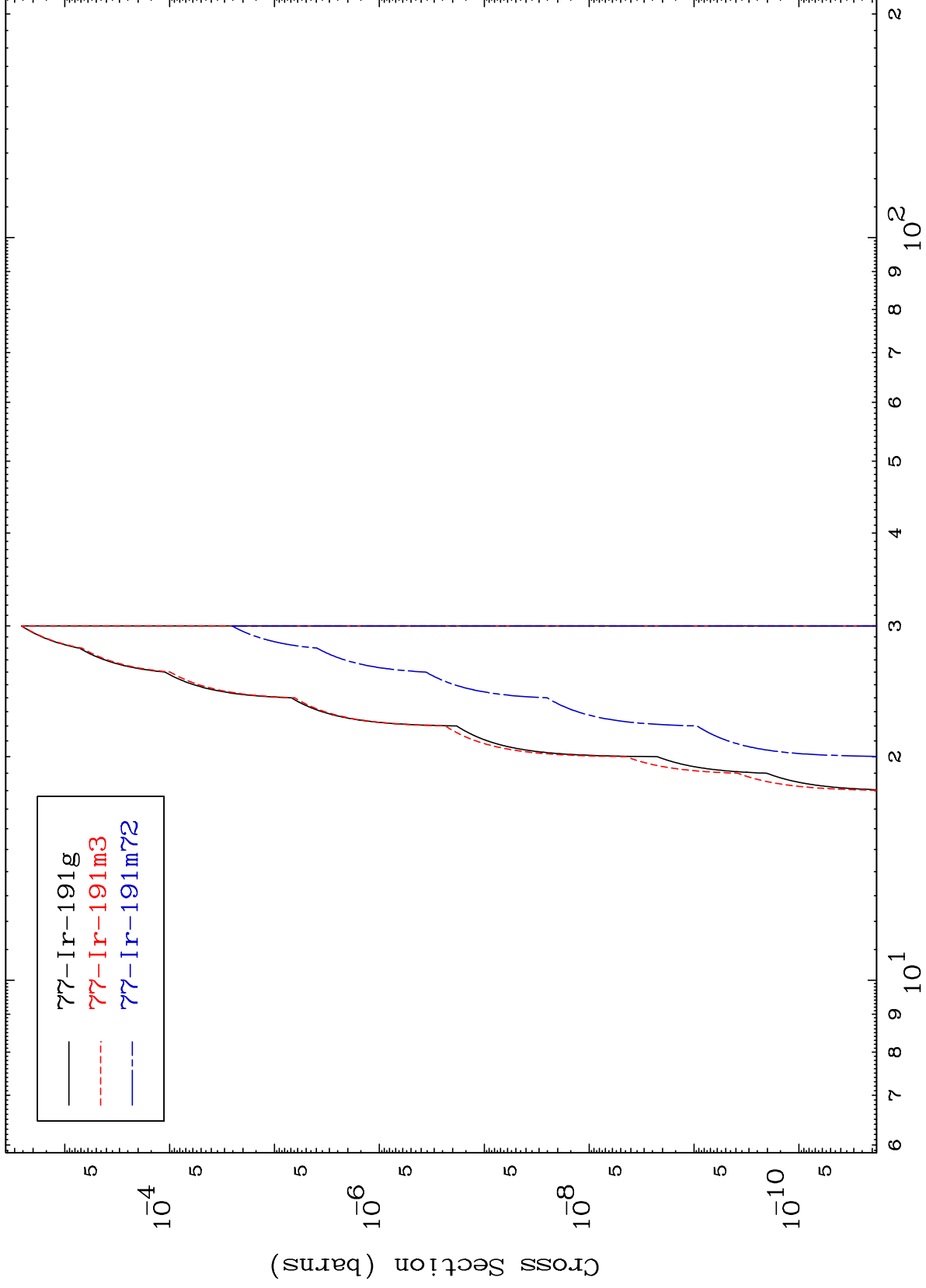
— 0-??-Nat

MAT 7730

(n,n') α

⁷⁷Ir-192n

Radionuclide Production Cross Section



14

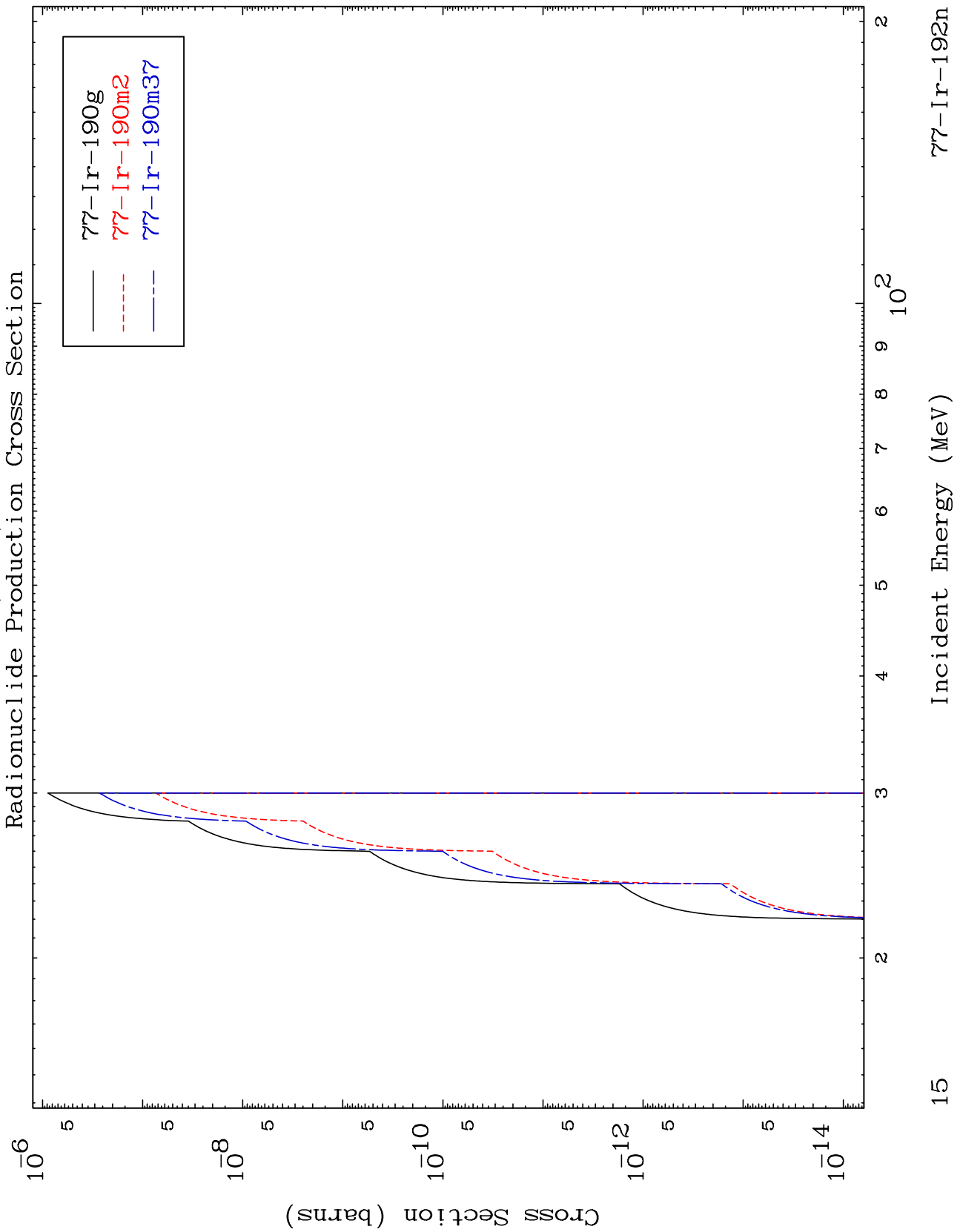
Incident Energy (MeV)

⁷⁷Ir-192n

MAT 7730

$(n,2n) \alpha$

$^{77}\text{Ir-192n}$



15

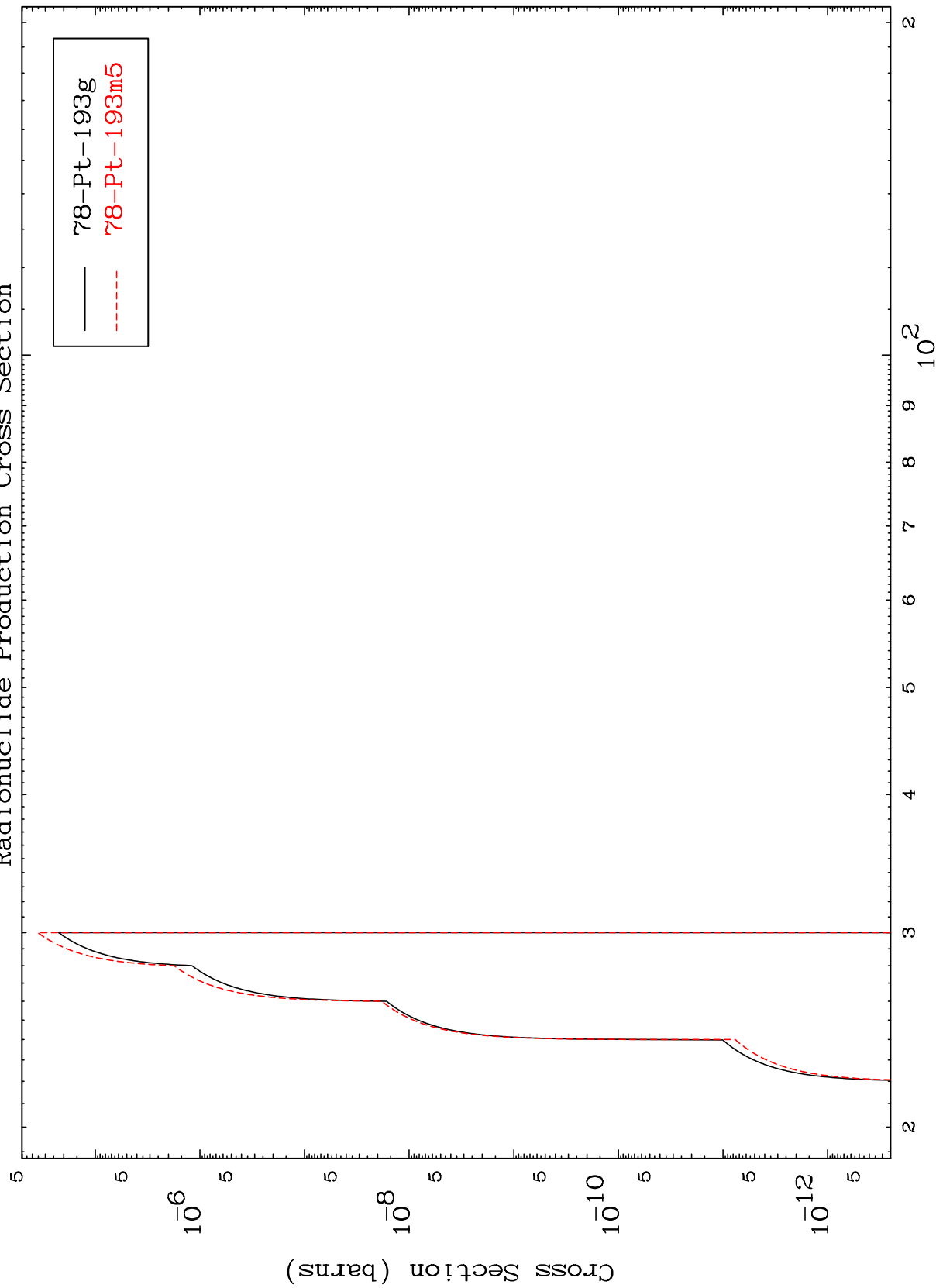
$^{77}\text{Ir-192n}$

MAT 7730

(n,n') d

77-Ir-192n

Radionuclide Production Cross Section



16

Incident Energy (MeV)

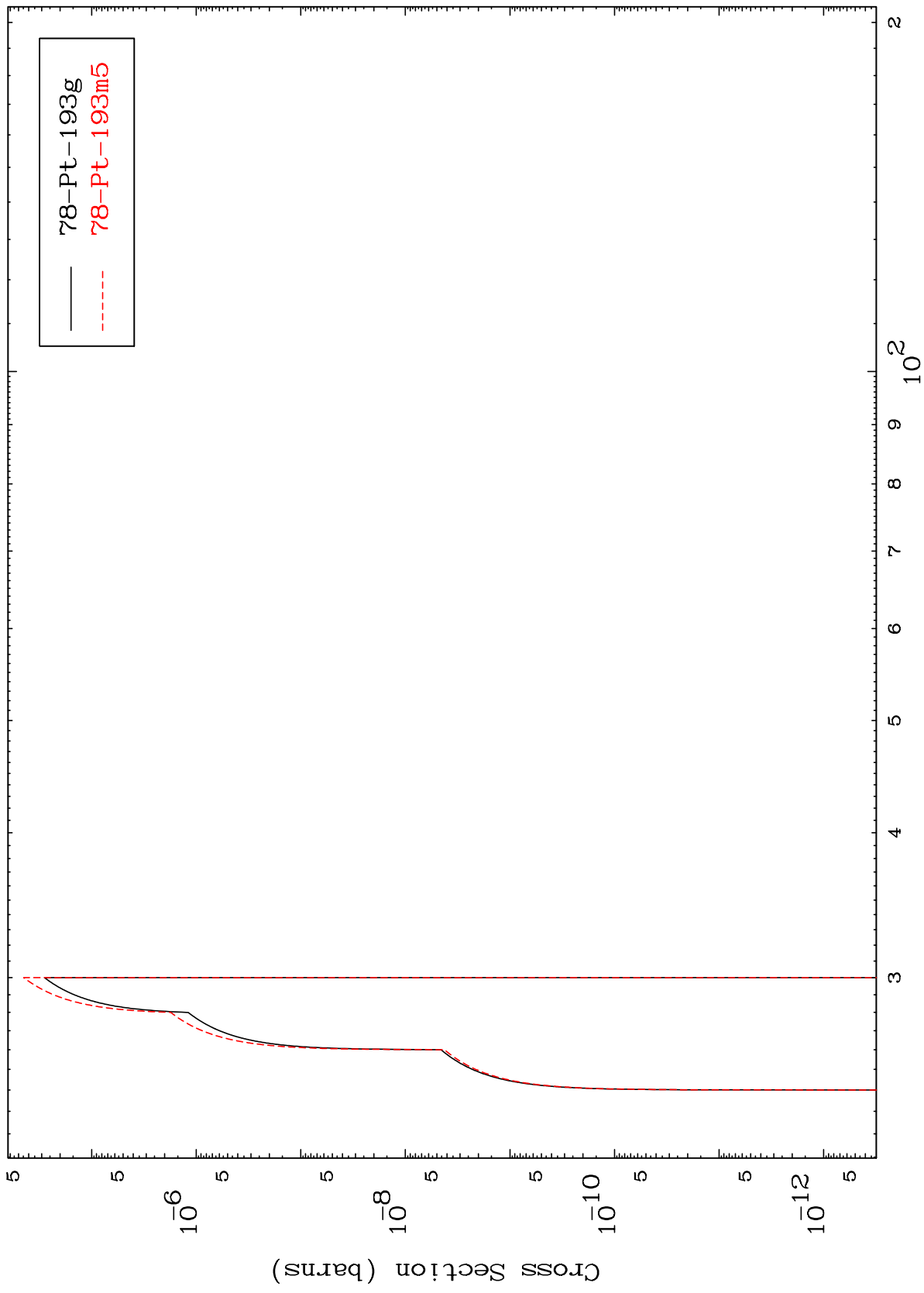
77-Ir-192n

MAT 7730

(n,2n) p

⁷⁷Ir-192n

Radionuclide Production Cross Section



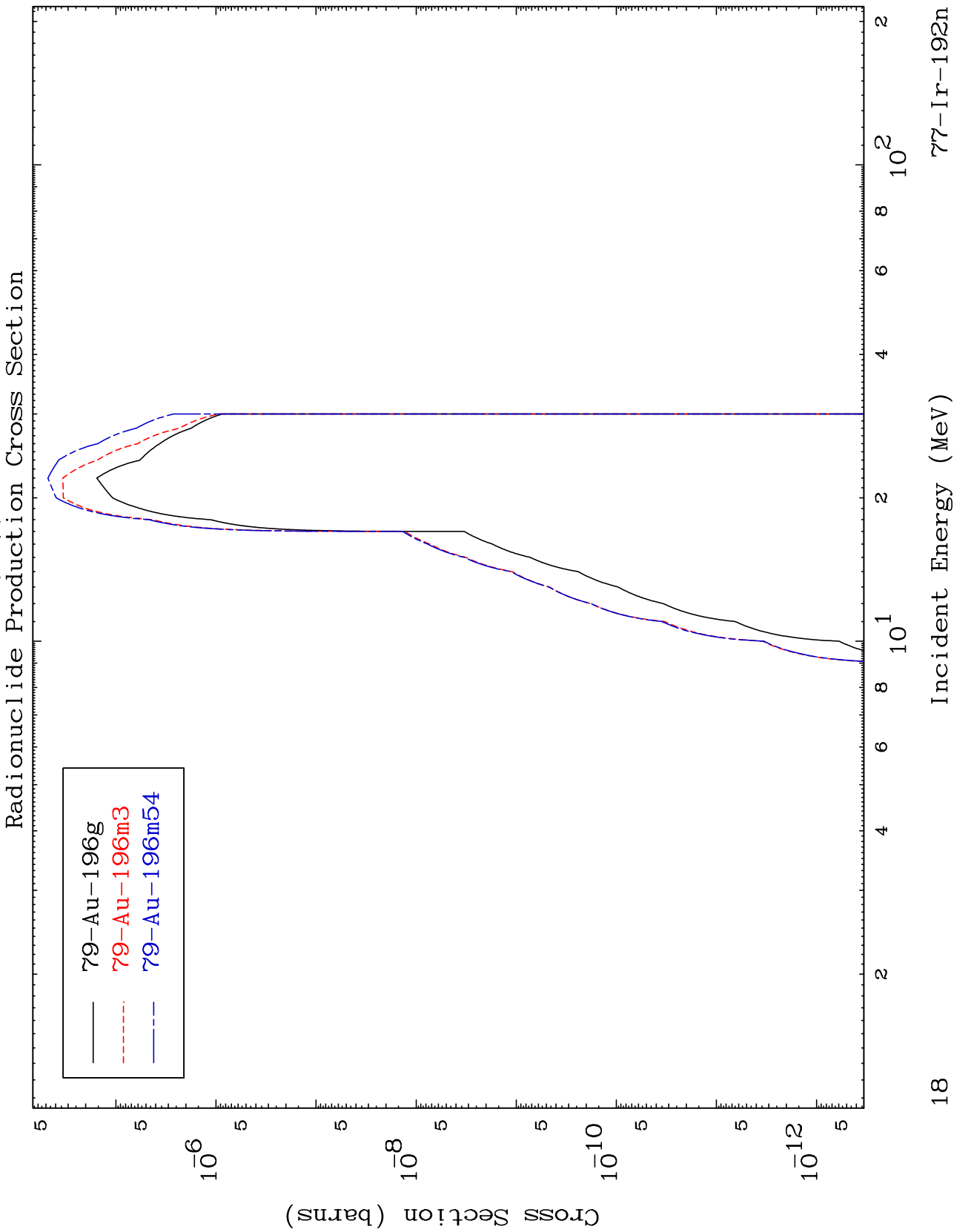
17

Incident Energy (MeV)

⁷⁷Ir-192n

MAT 7730

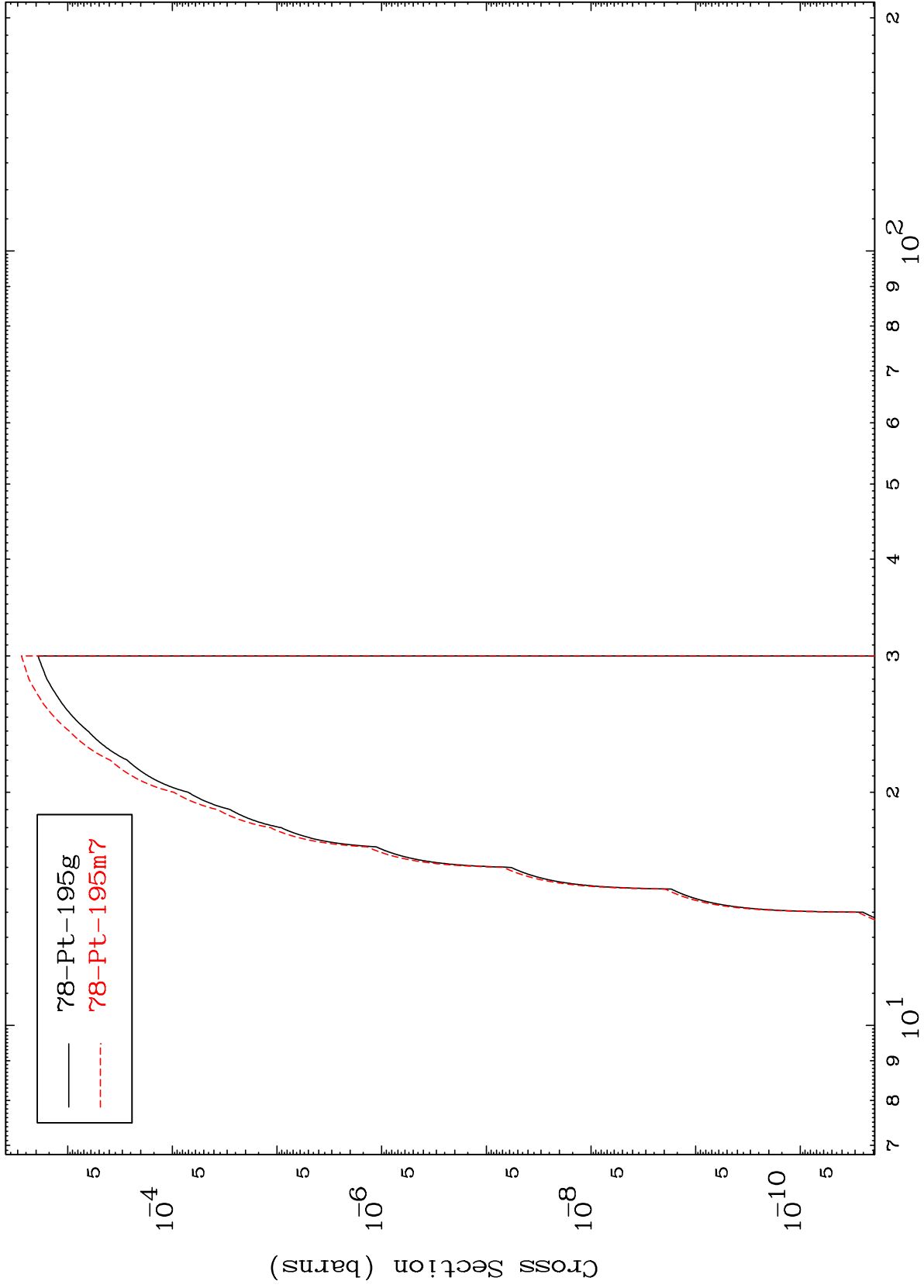
$^{77}\text{Ir}-192\text{n}$



MAT 7730

⁷⁷Ir-192n

(n,p)
Radionuclide Production Cross Section



19

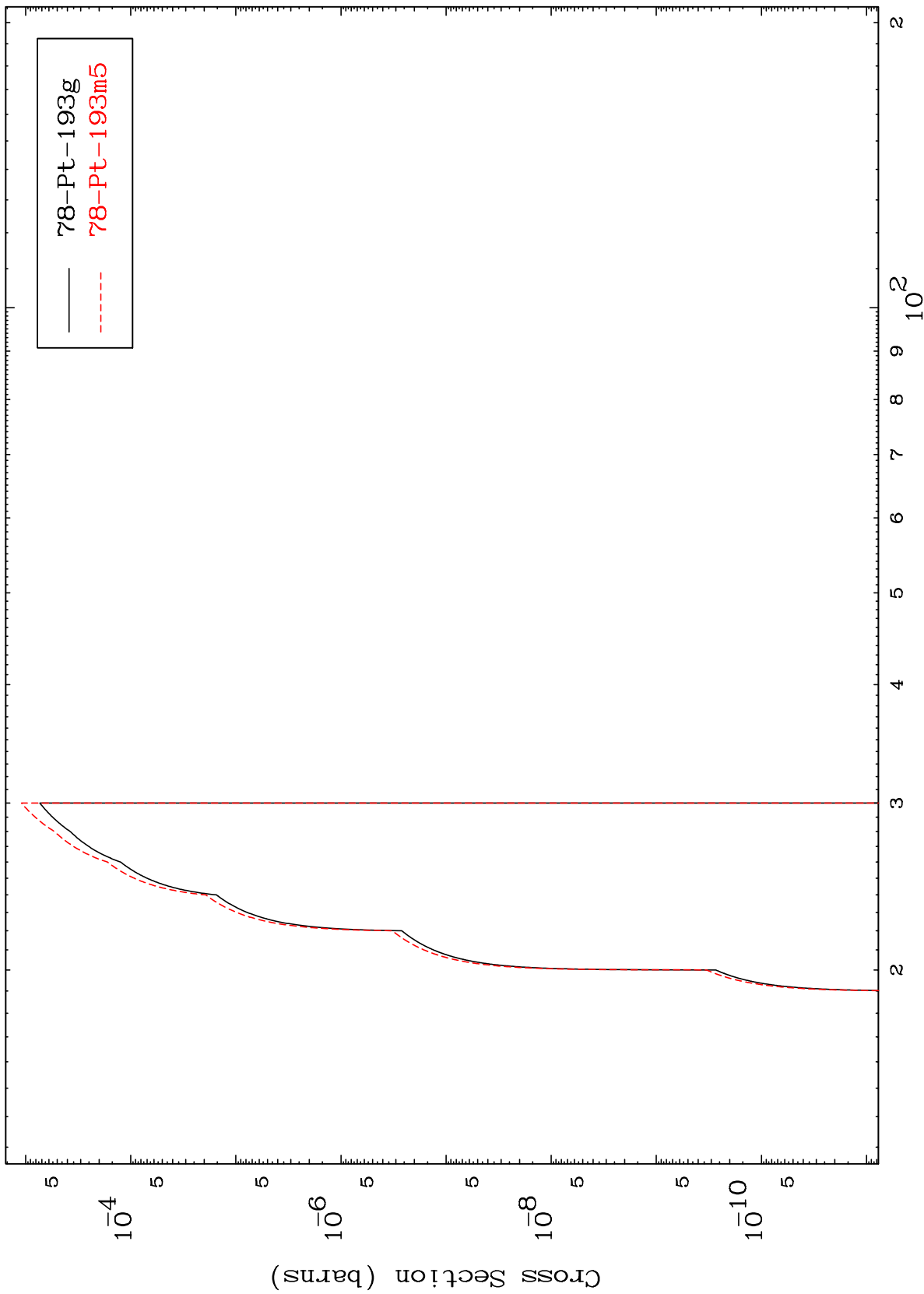
Incident Energy (MeV)

⁷⁷Ir-192n

MAT 7730

77-Ir-192n

(n, t)
Radionuclide Production Cross Section

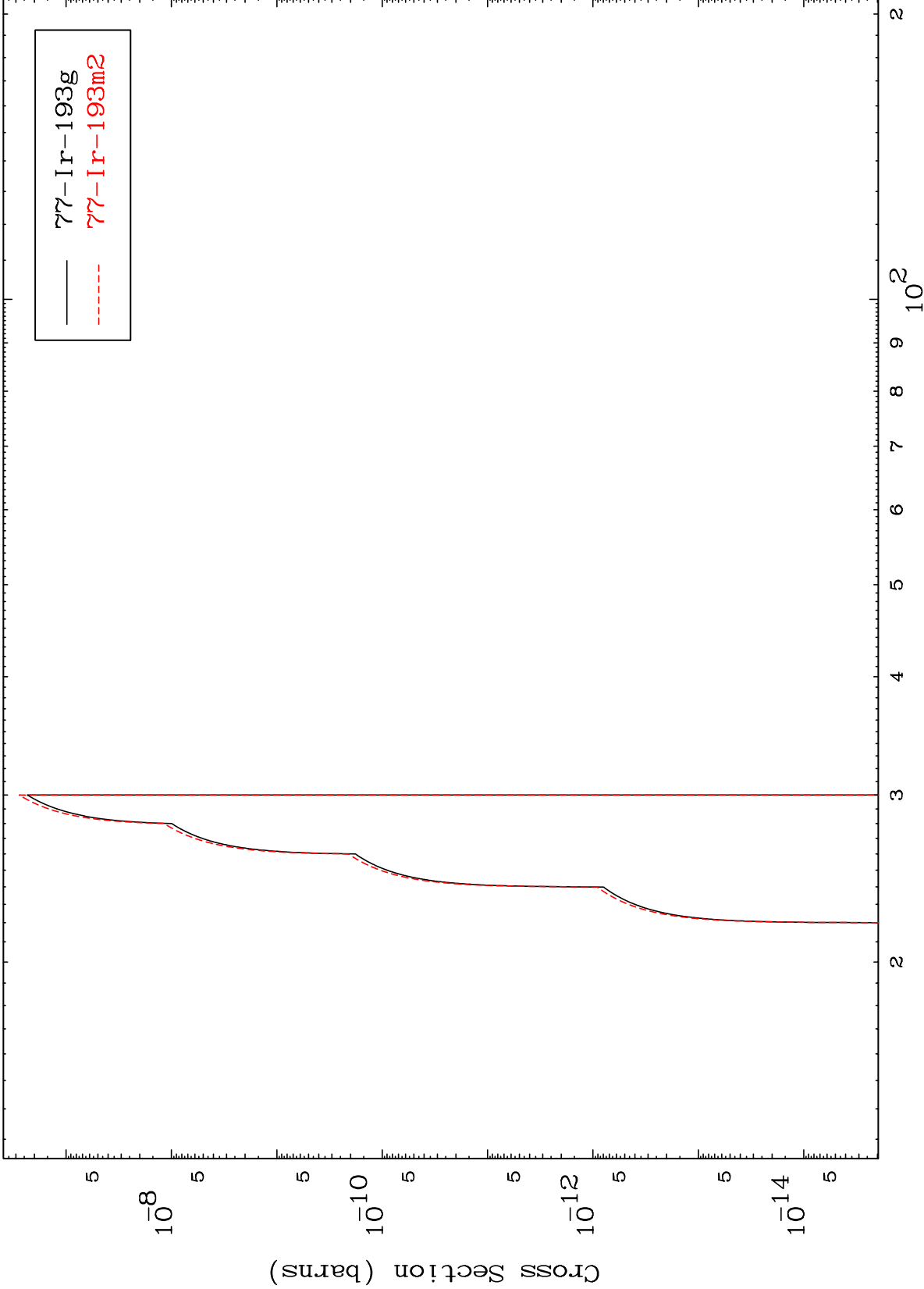


20

Incident Energy (MeV)

77-Ir-192n

Radionuclide Production Cross Section



MAT 7730

