

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

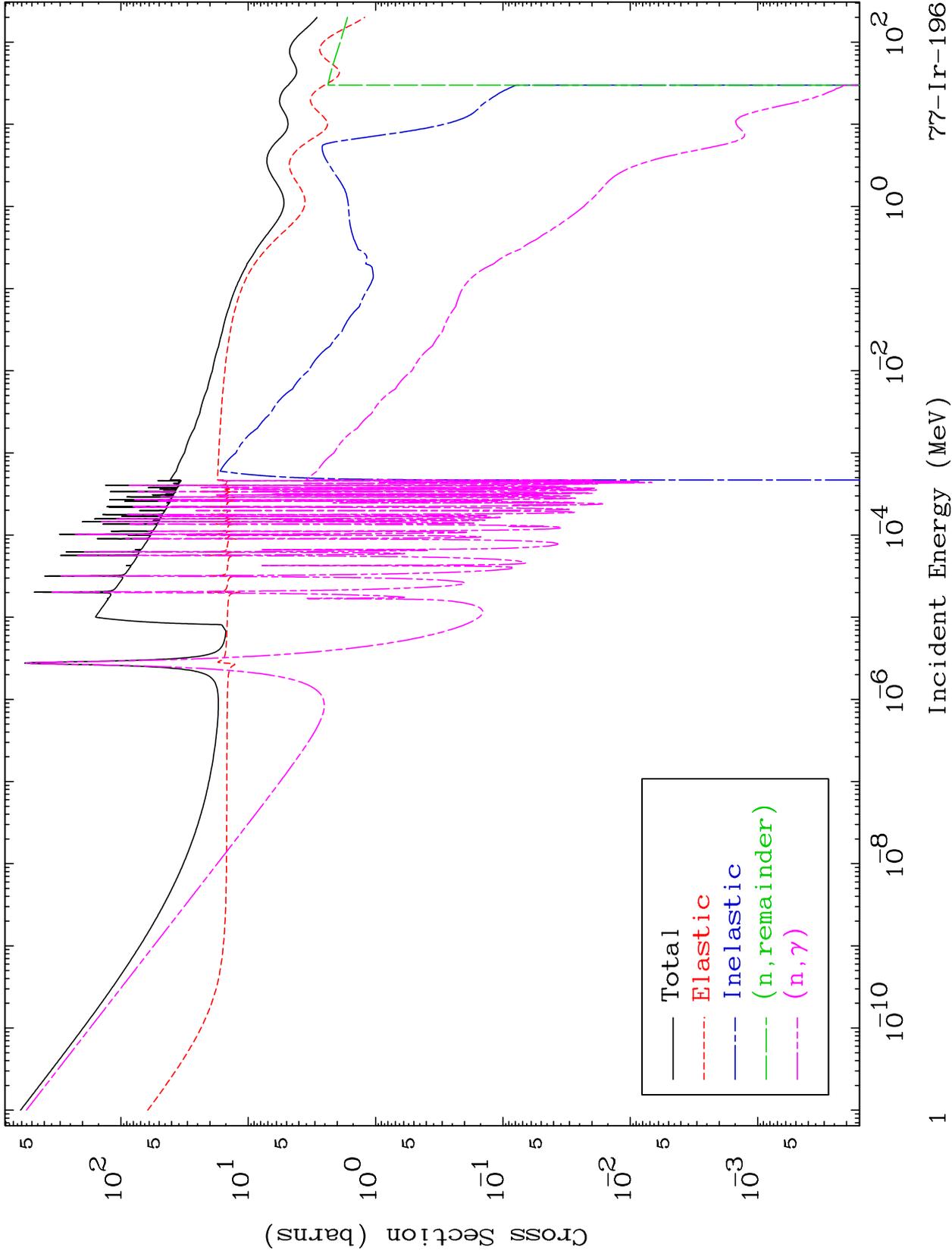
Press Mouse Button to Start

MAT 7741

Major

293 Kelvin Cross Sections

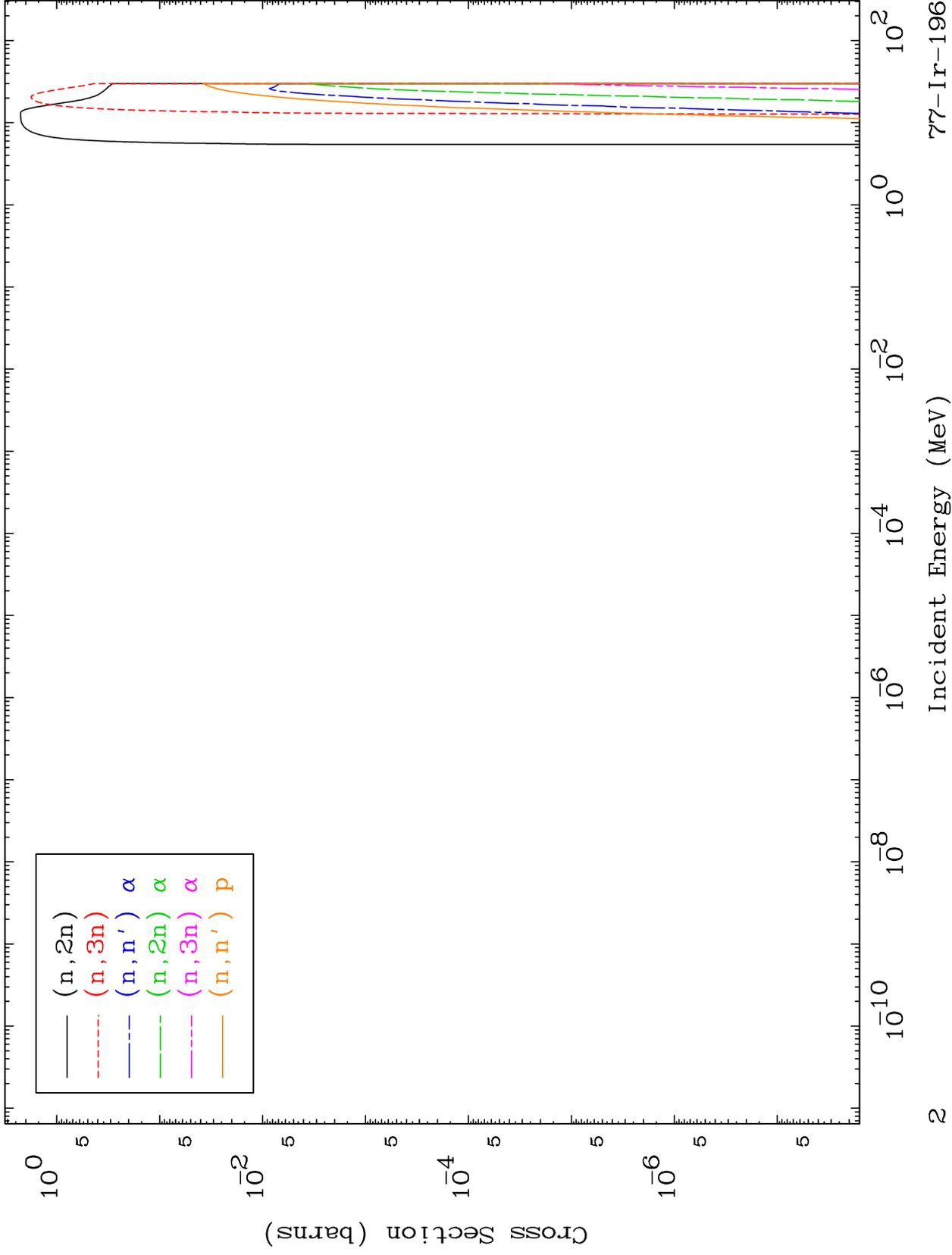
77-Ir-196



MAT 7741

Neutron Production
293 Kelvin Cross Sections

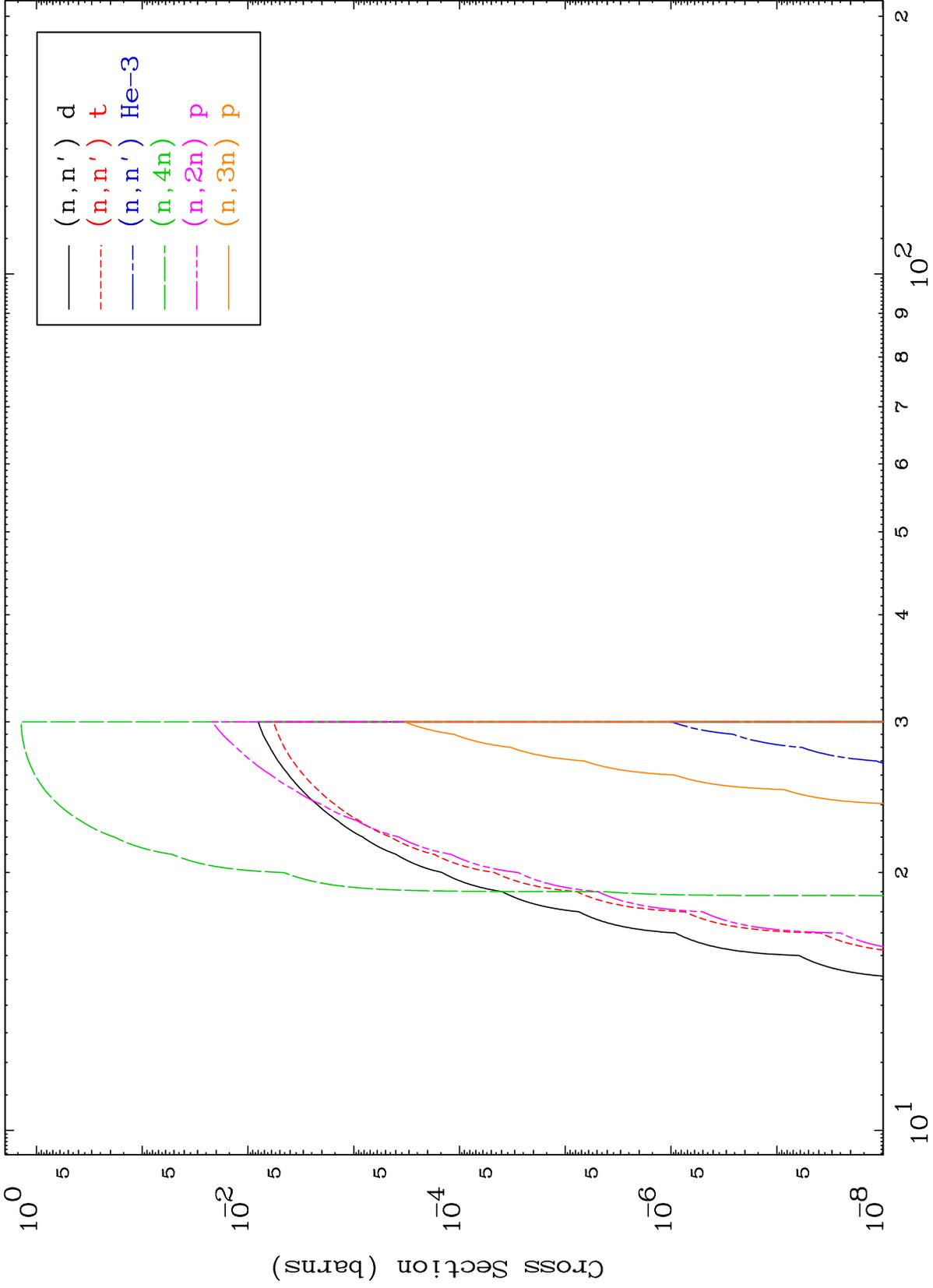
77-Ir-196



MAT 7741

Neutron Production
293 Kelvin Cross Sections

77-Ir-196



77-Ir-196

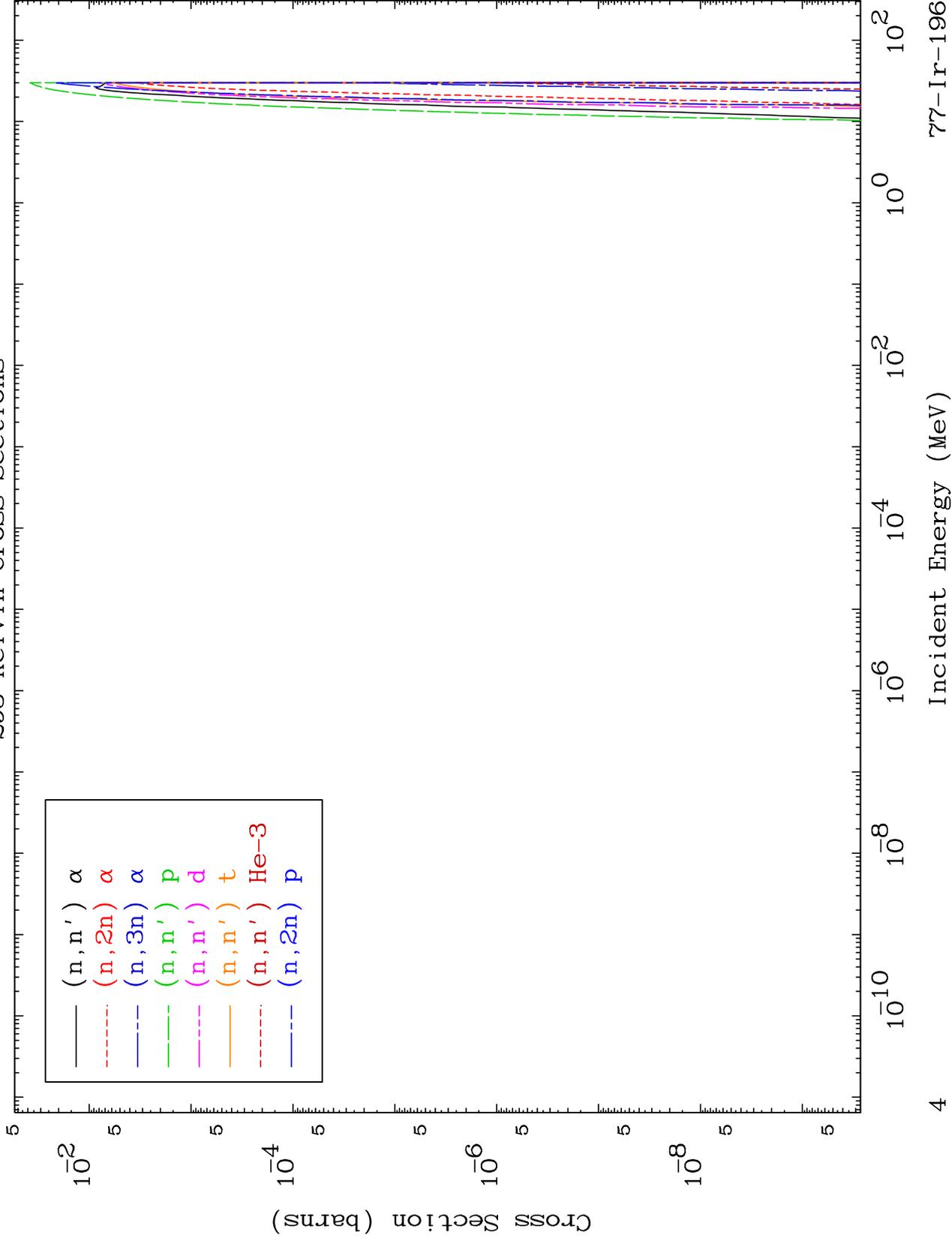
Incident Energy (MeV)

3

MAT 7741

Charged Particle
293 Kelvin Cross Sections

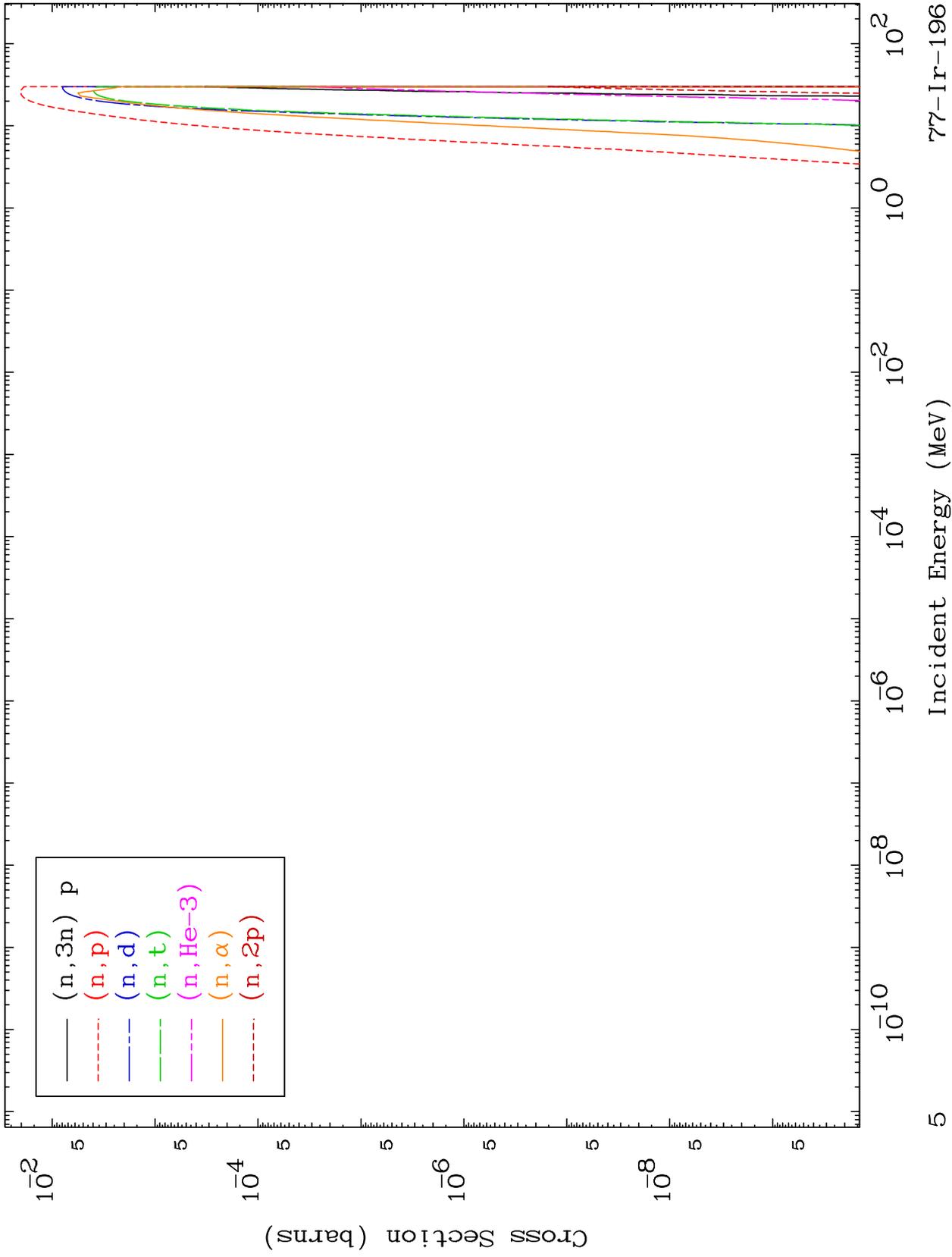
77-Ir-196



MAT 7741

Charged Particle
293 Kelvin Cross Sections

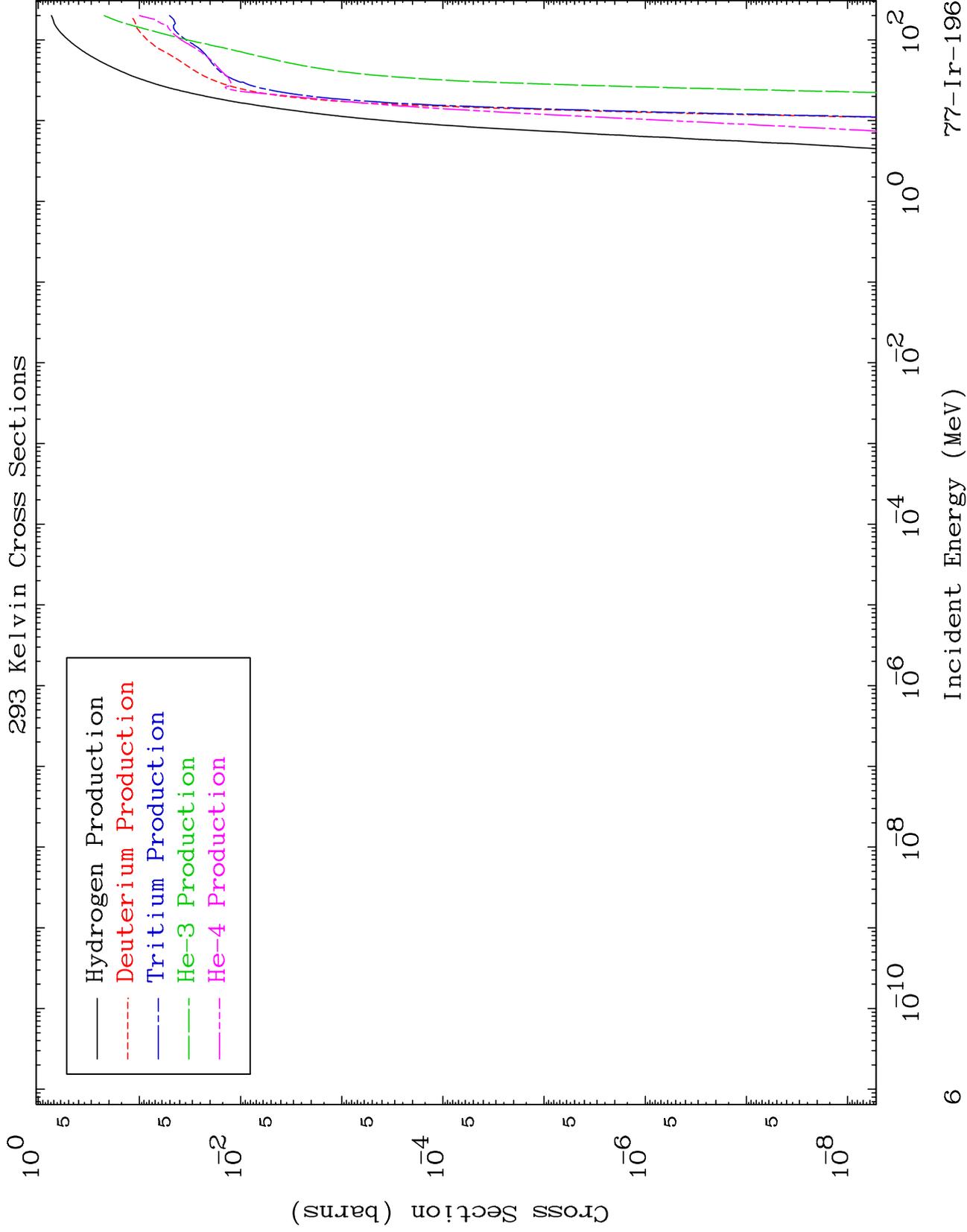
77-Ir-196



MAT 7741

Particle Production
293 Kelvin Cross Sections

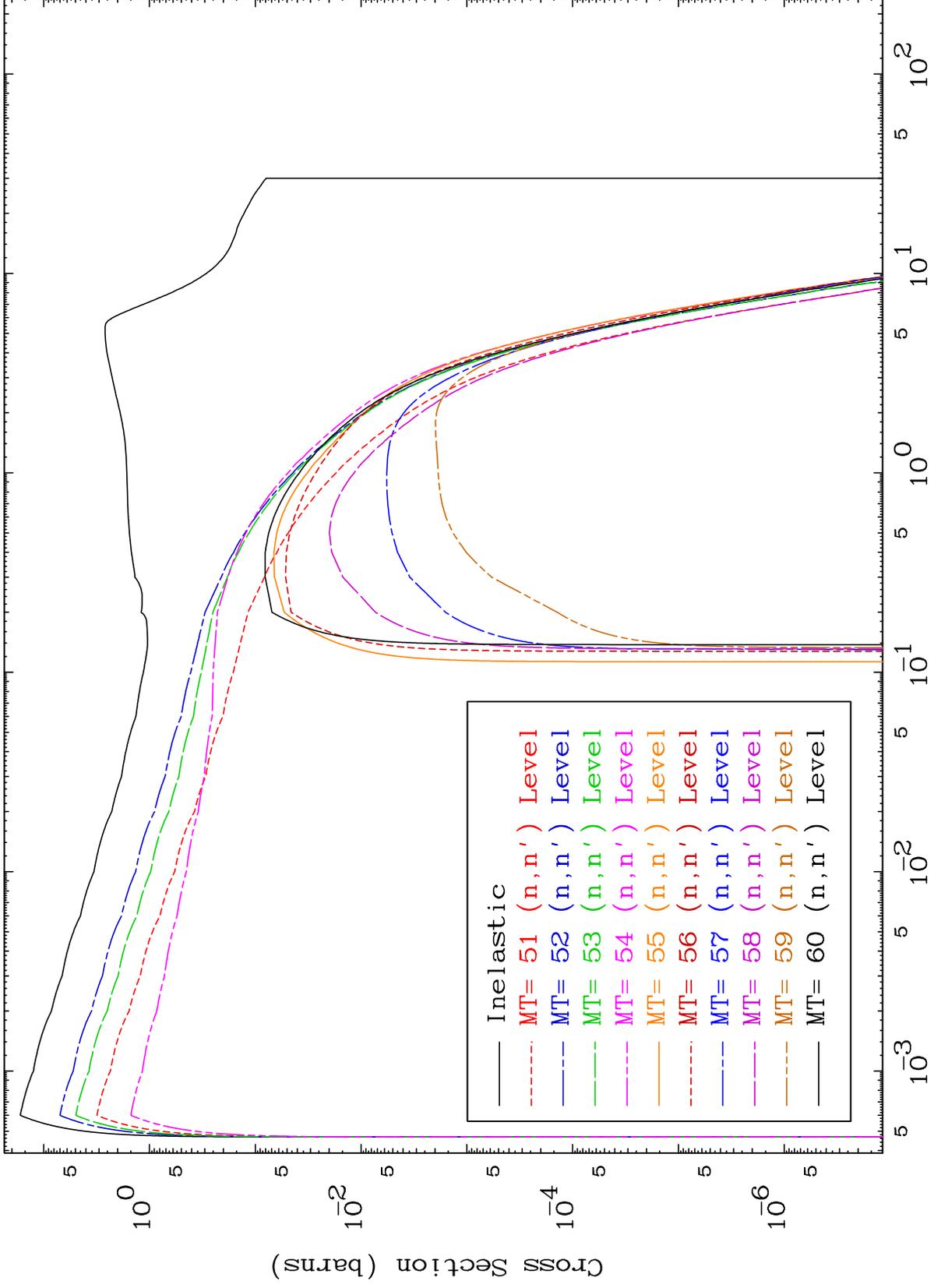
77-Ir-196



MAT 7741

(n,n') Level
293 Kelvin Cross Sections

77-Ir-196

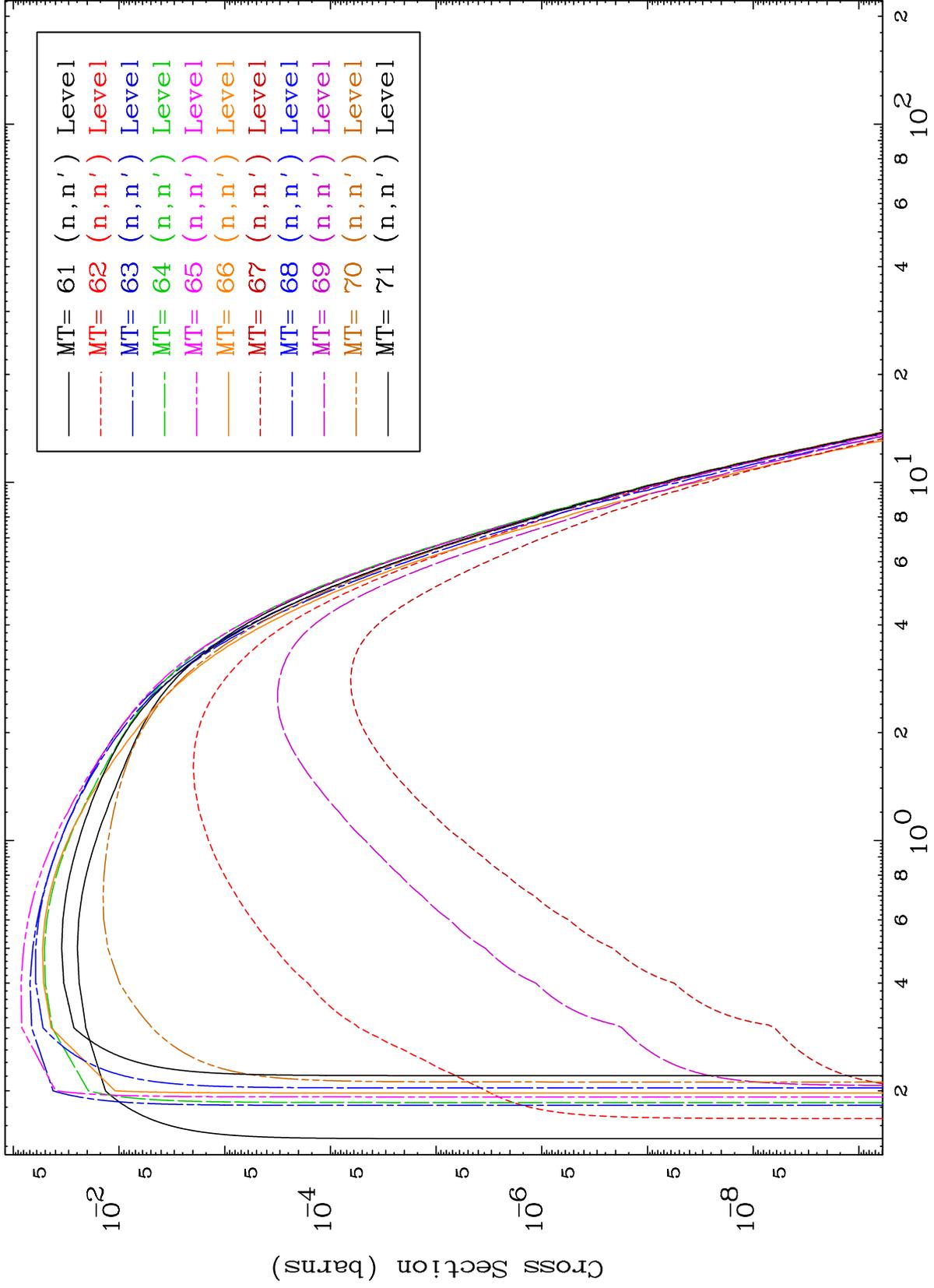


MAT 7741

(n,n') Level

77-Ir-196

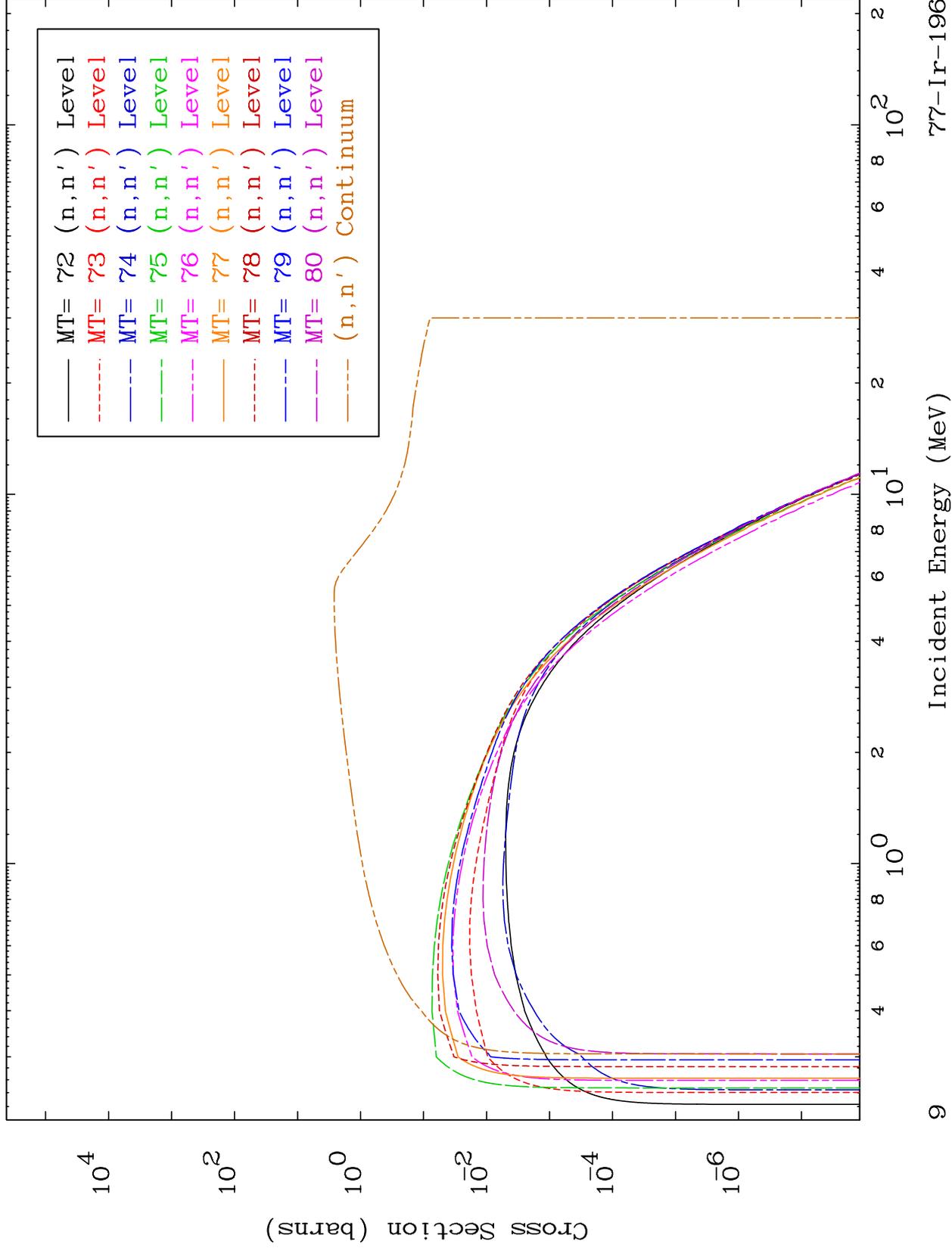
293 Kelvin Cross Sections



8

Incident Energy (MeV)

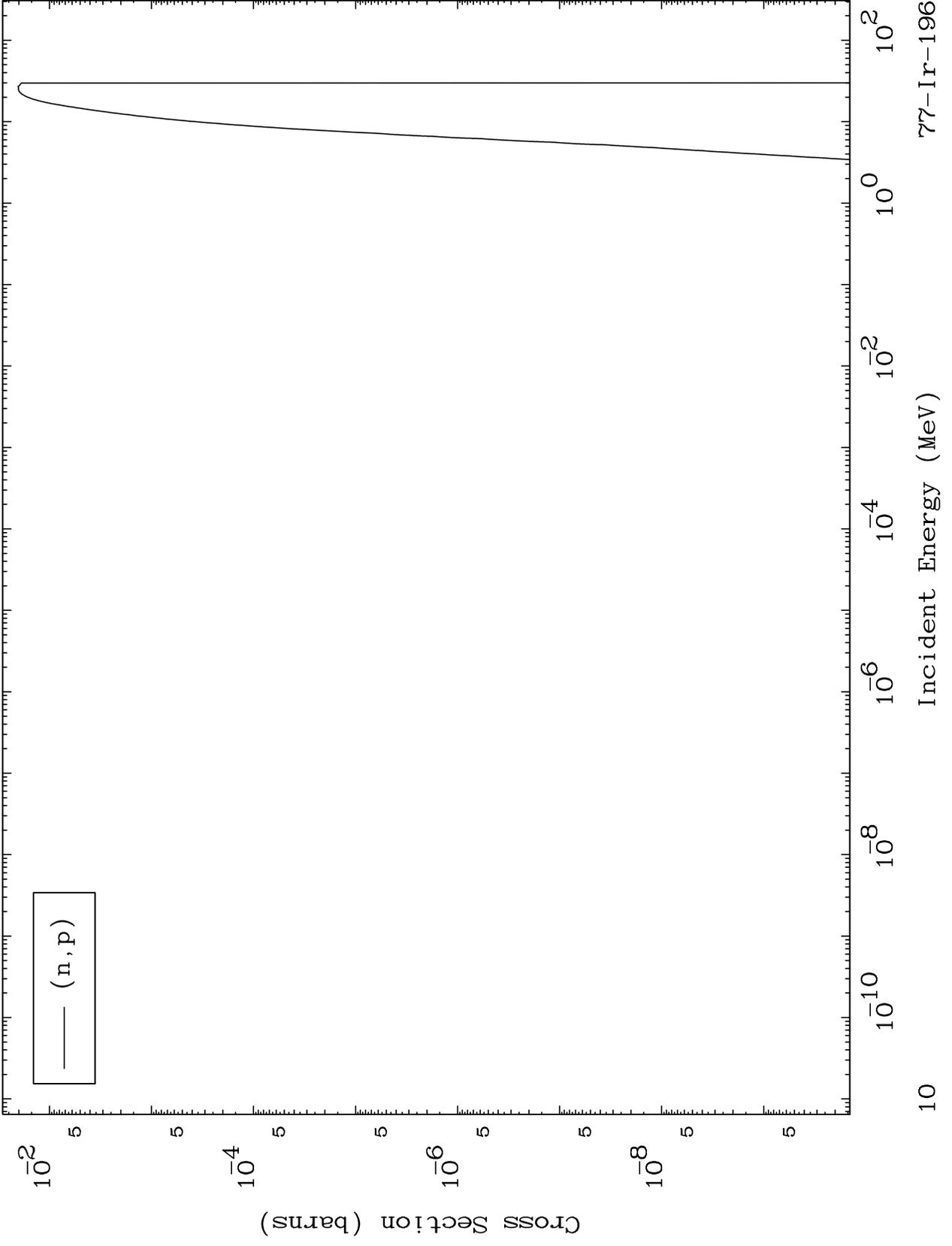
77-Ir-196



MAT 7741

(n,p) Levels
293 Kelvin Cross Sections

77-Ir-196



10

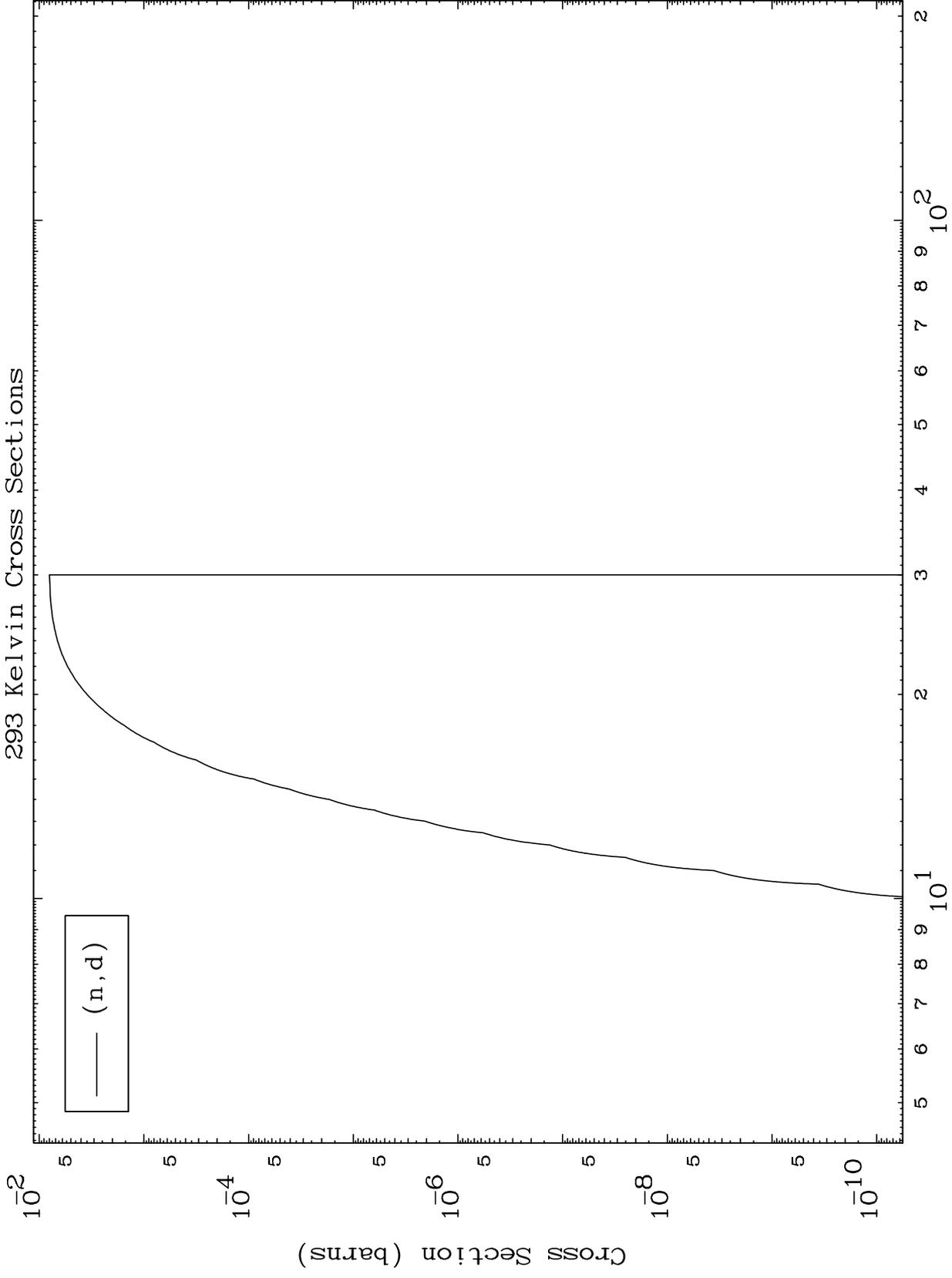
Incident Energy (MeV)

77-Ir-196

MAT 7741

(n,d) Levels
293 Kelvin Cross Sections

77-Ir-196



11

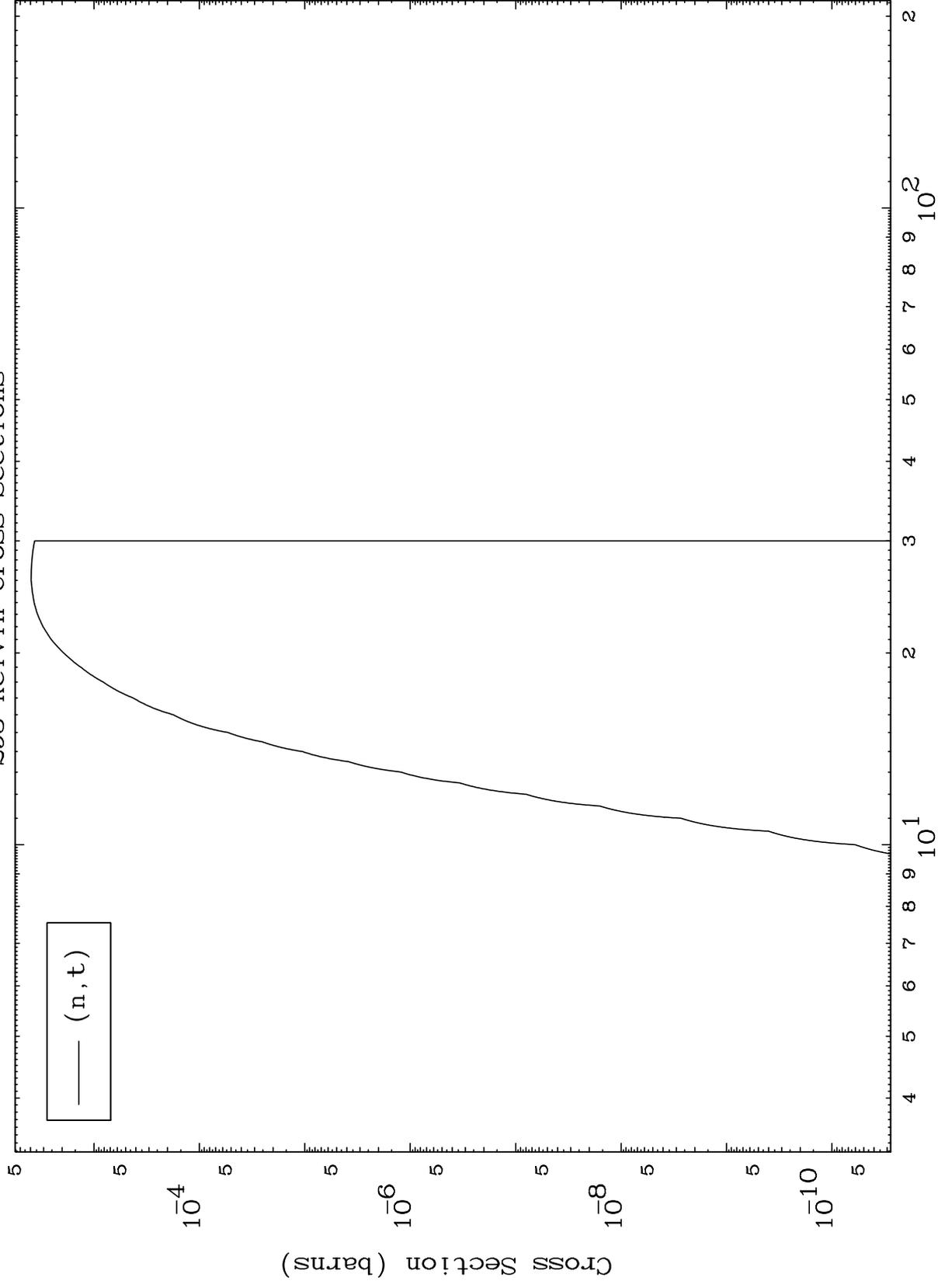
Incident Energy (MeV)

77-Ir-196

MAT 7741

77-Ir-196

(n,t) Levels
293 Kelvin Cross Sections



12

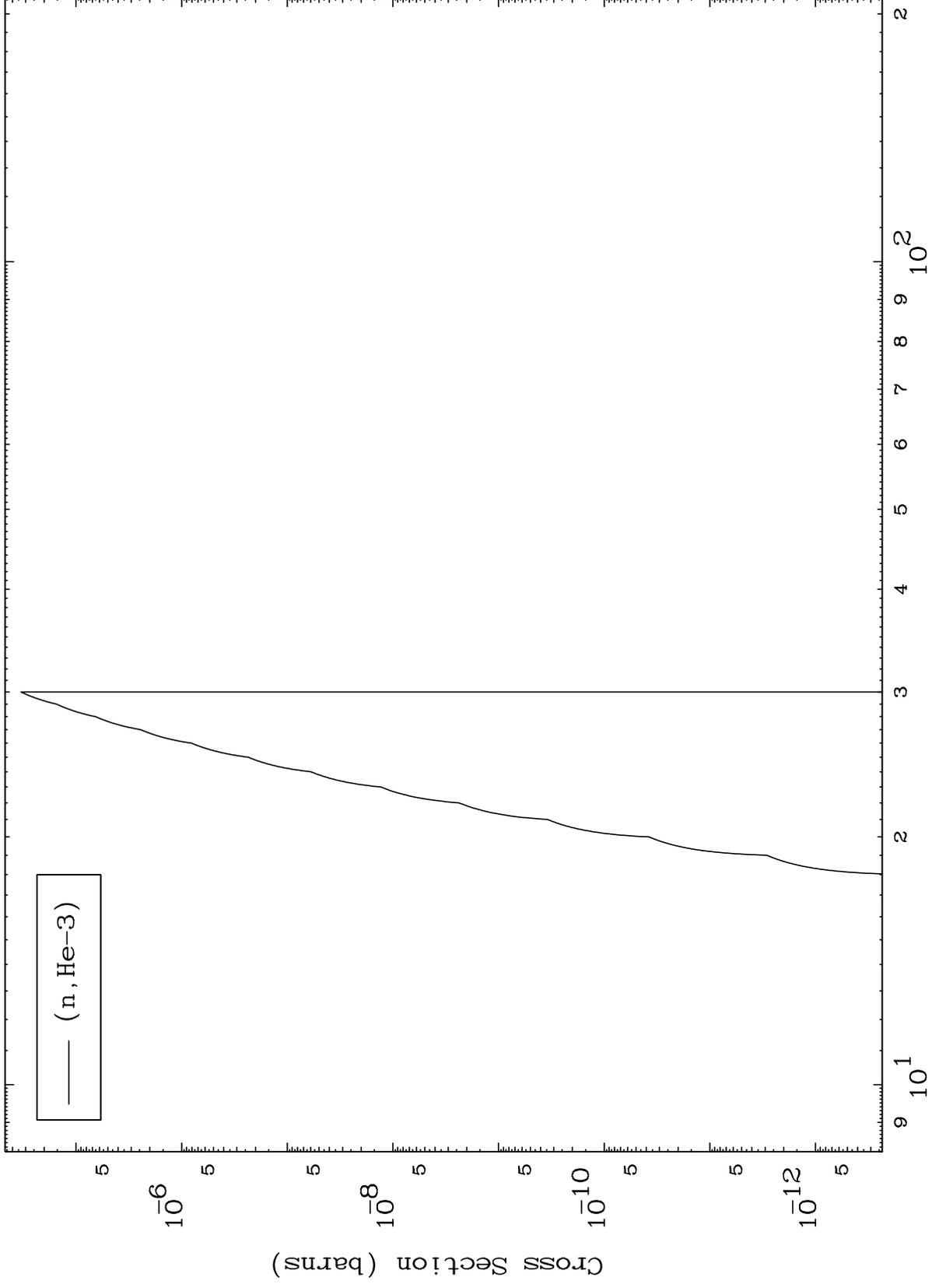
Incident Energy (MeV)

77-Ir-196

MAT 7741

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-196



13

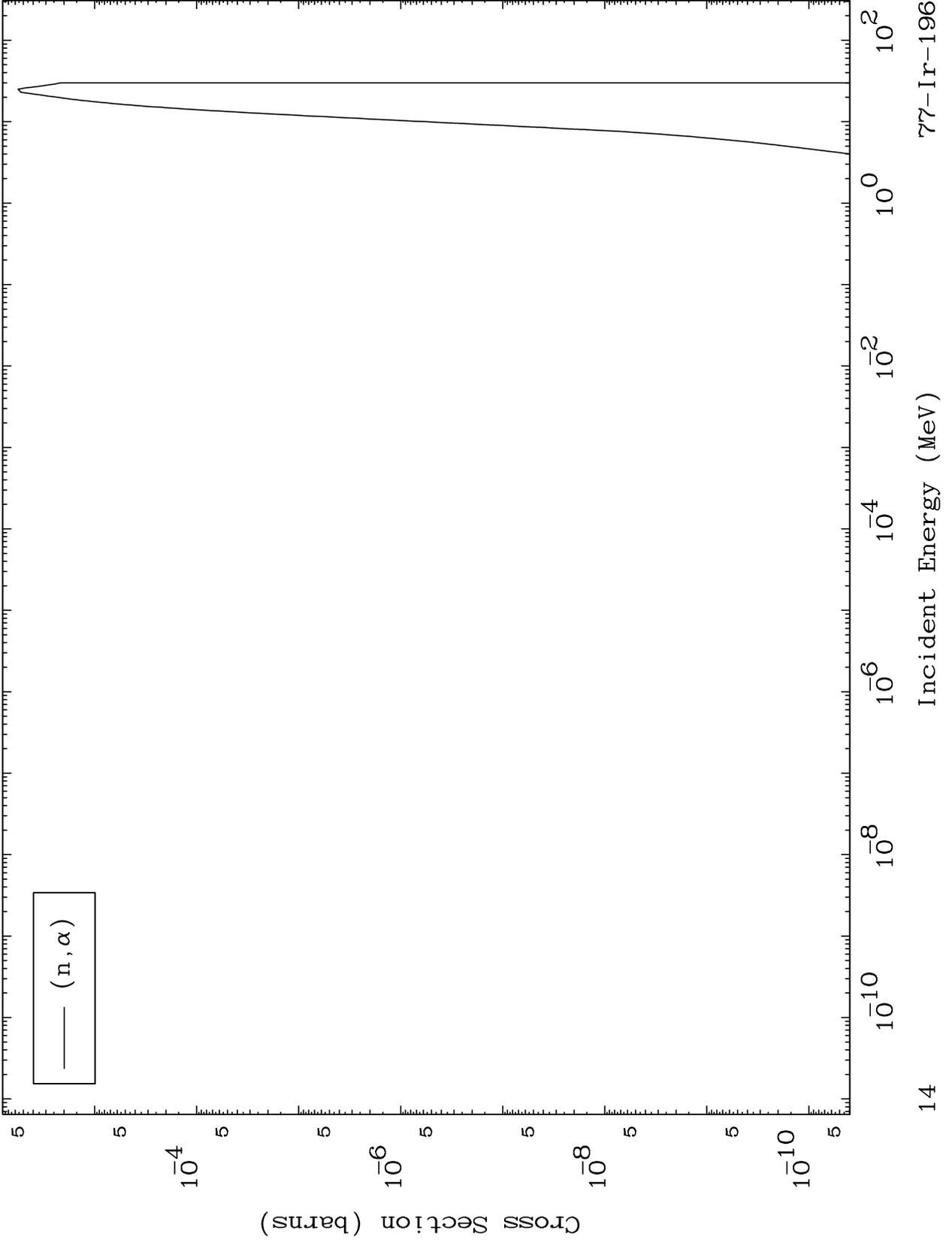
Incident Energy (MeV)

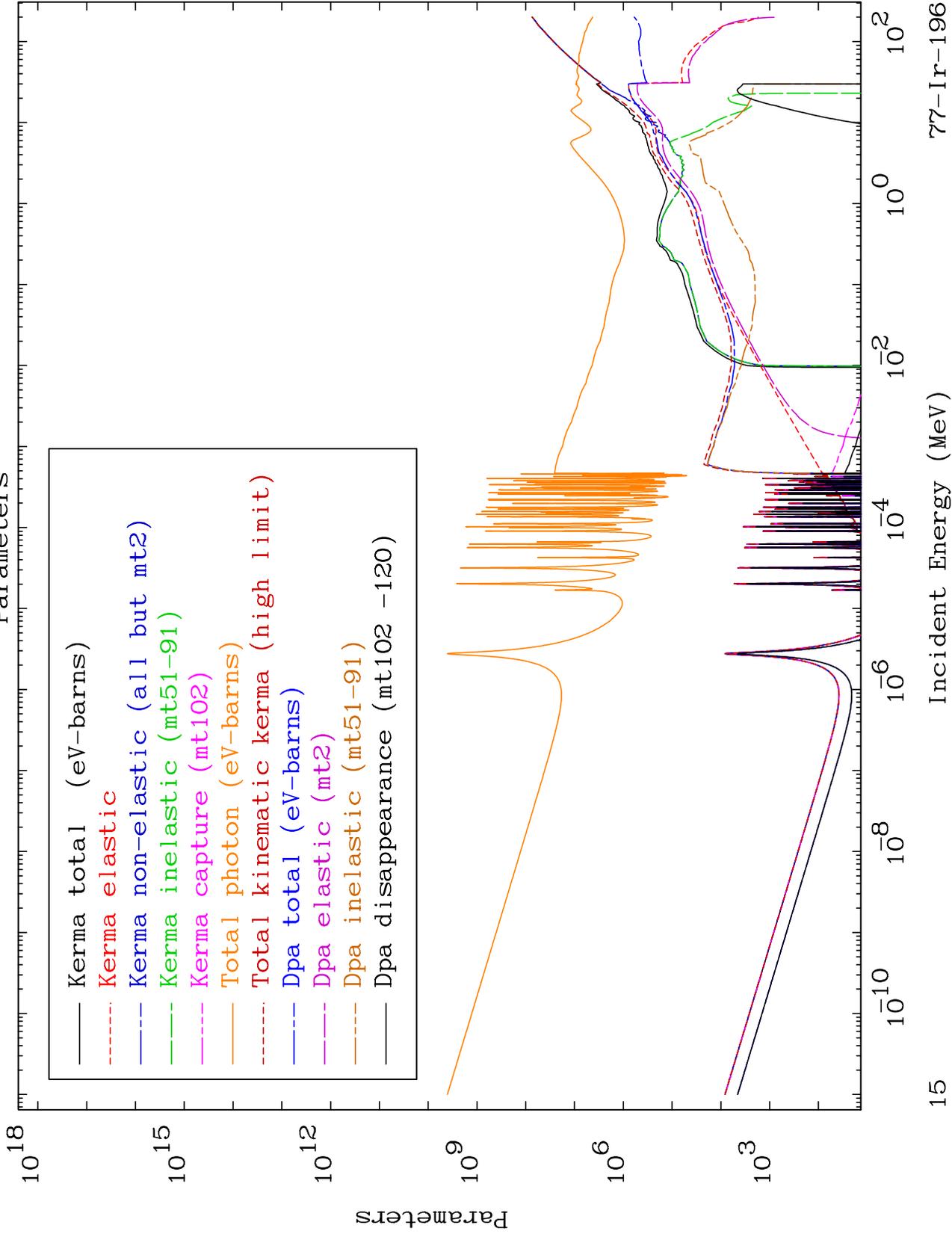
77-Ir-196

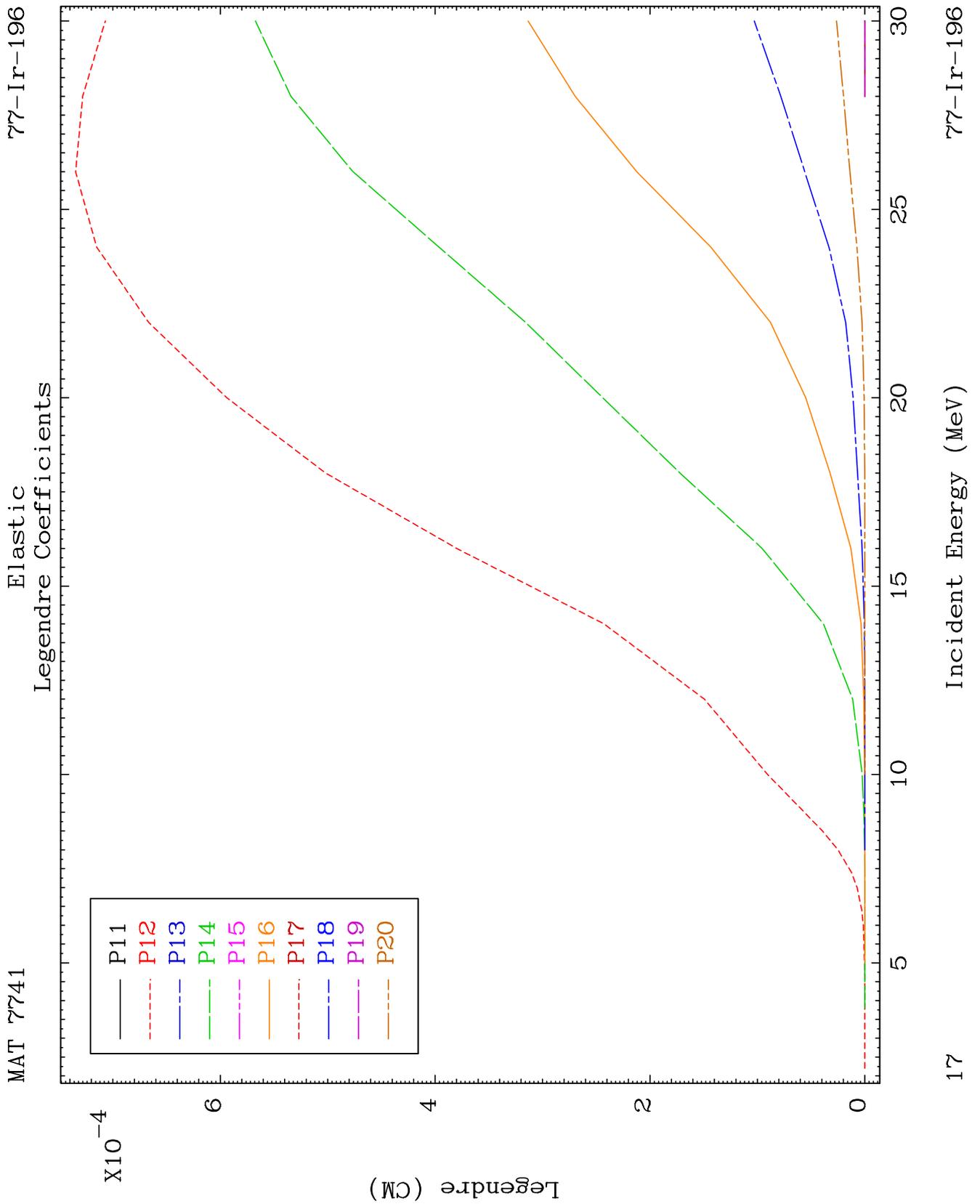
MAT 7741

(n, α) Levels
293 Kelvin Cross Sections

77-Ir-196







MAT 7741

Elastic Legendre Coefficients

77-Ir-196

- P11
- P12
- P13
- P14
- P15
- P16
- P17
- P18
- P19
- P20

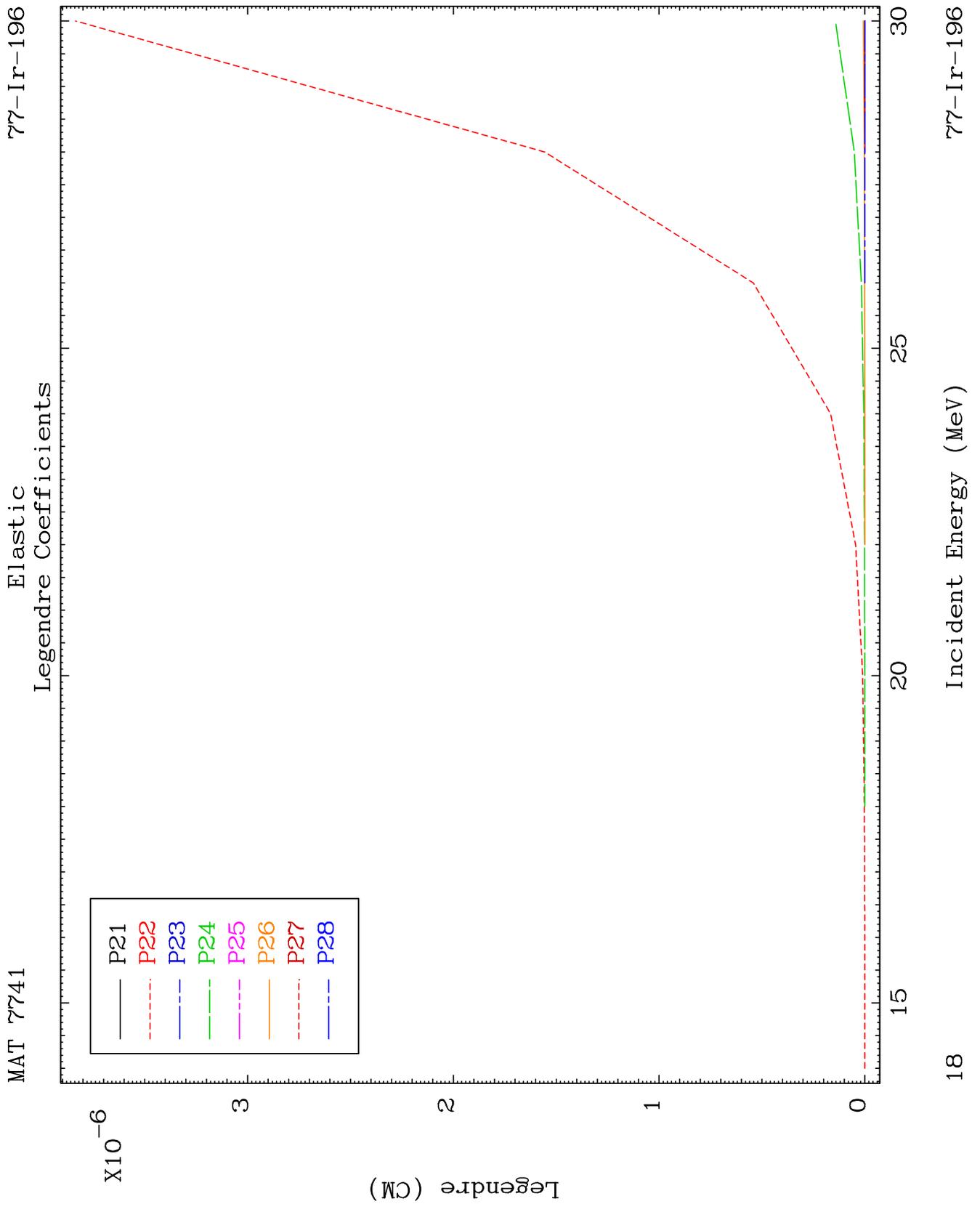
$\times 10^{-4}$

Legendre (CM)

17

Incident Energy (MeV)

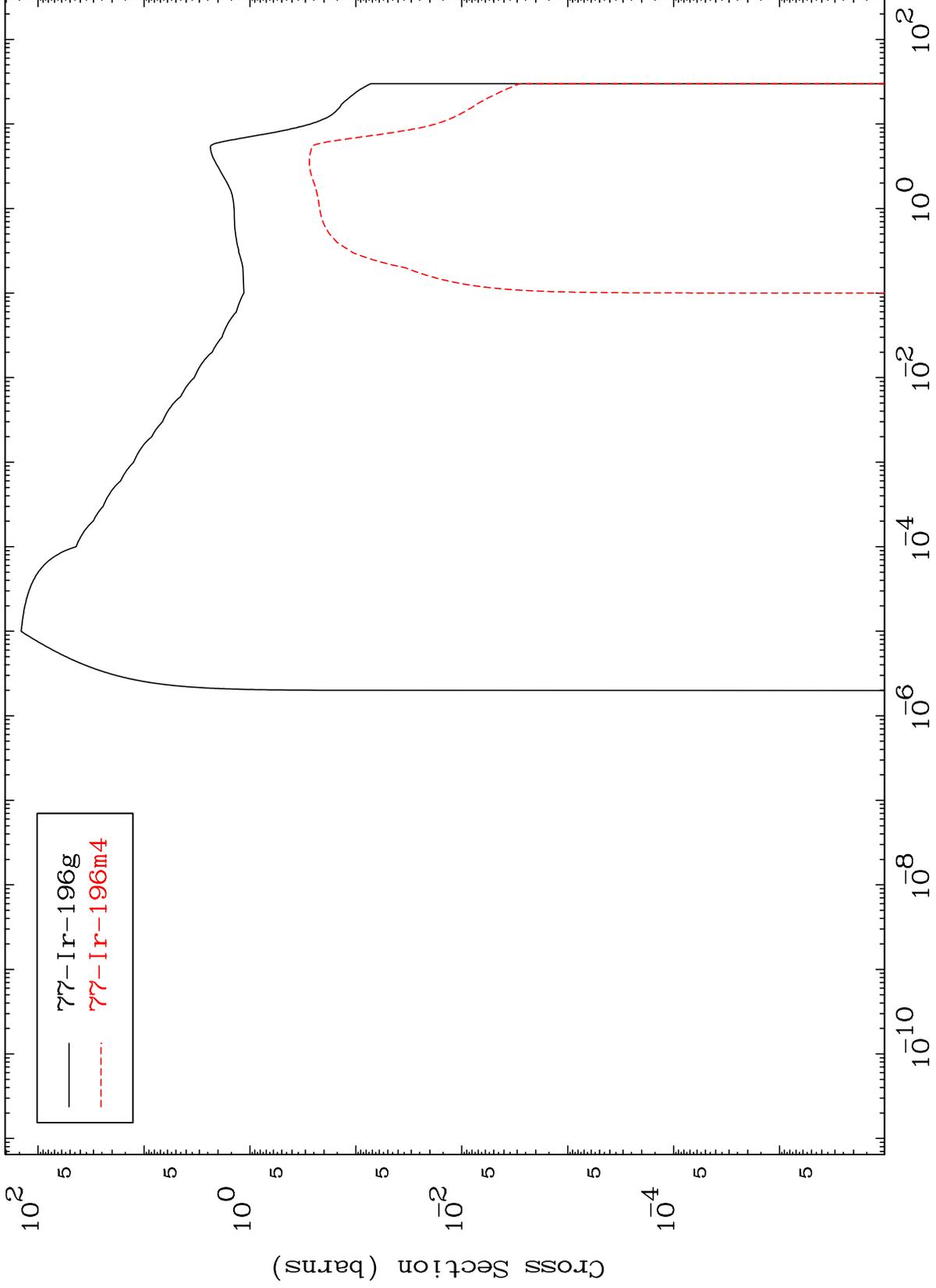
77-Ir-196



MAT 7741

Inelastic
Radionuclide Production Cross Section

77-Ir-196

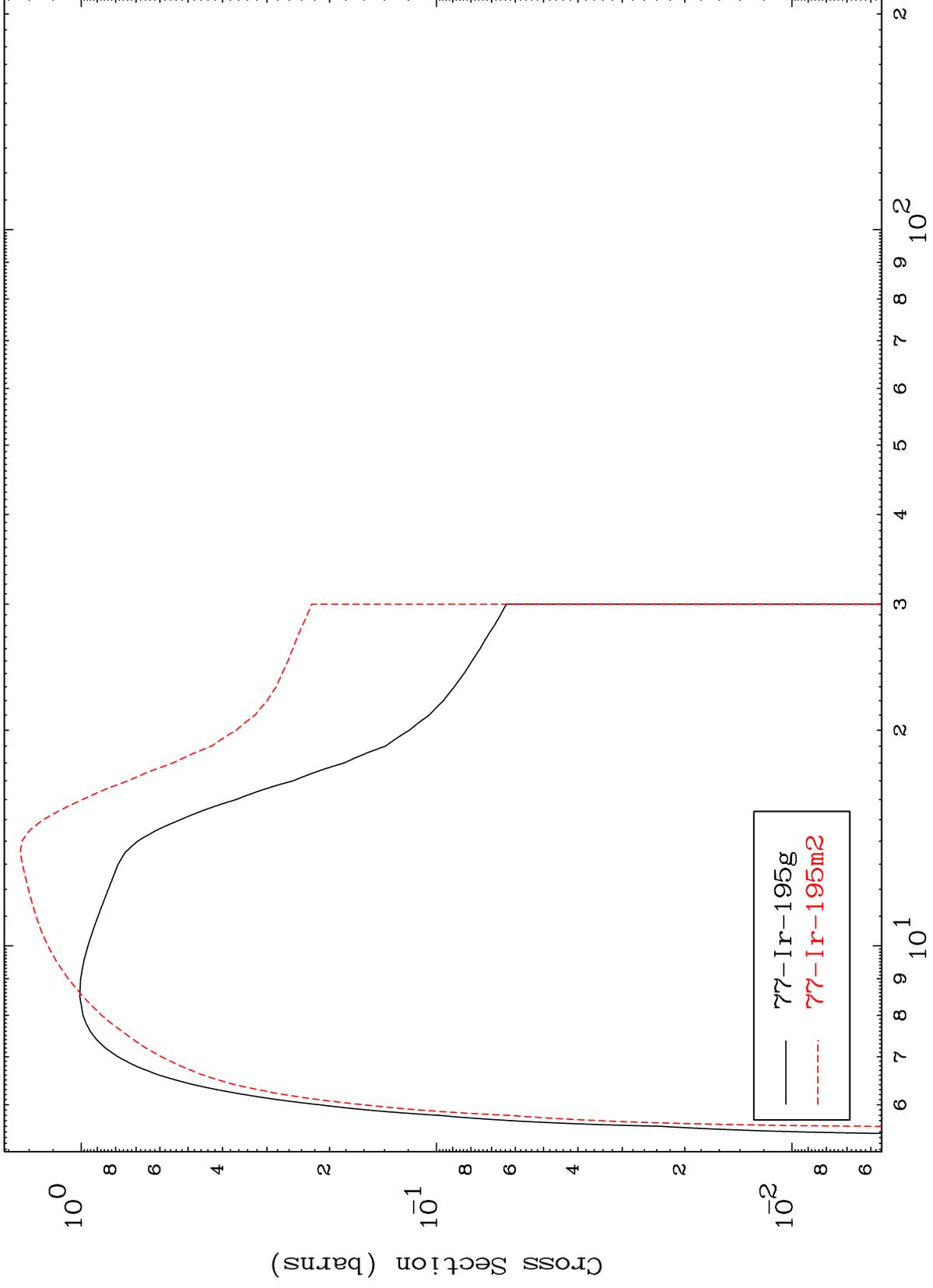


77-Ir-196g
77-Ir-196m4

MAT 7741

77-Ir-196

(n,2n)
Radionuclide Production Cross Section



20

Incident Energy (MeV)

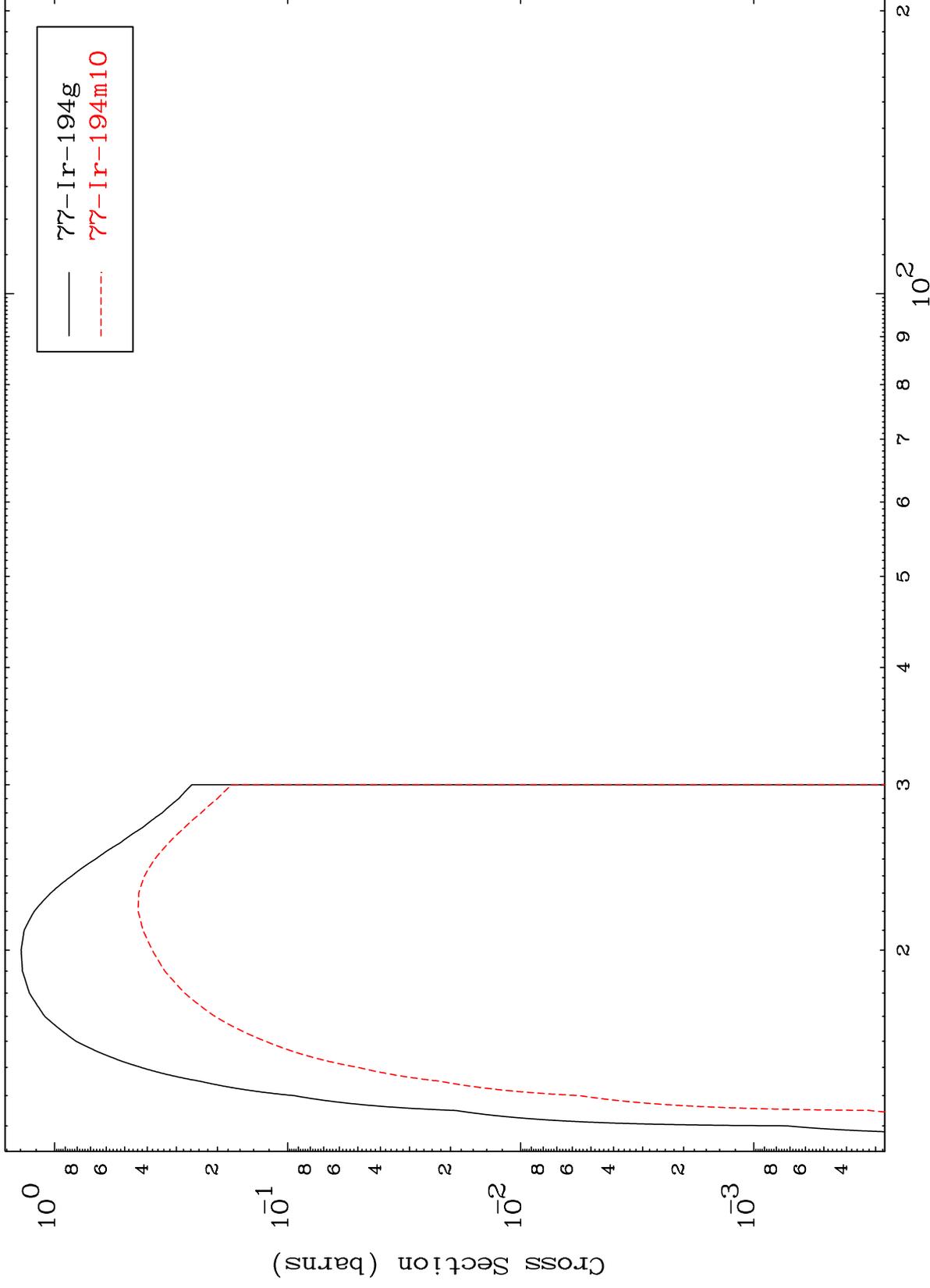
77-Ir-196

MAT 7741

(n,3n)

77-Ir-196

Radionuclide Production Cross Section



21

Incident Energy (MeV)

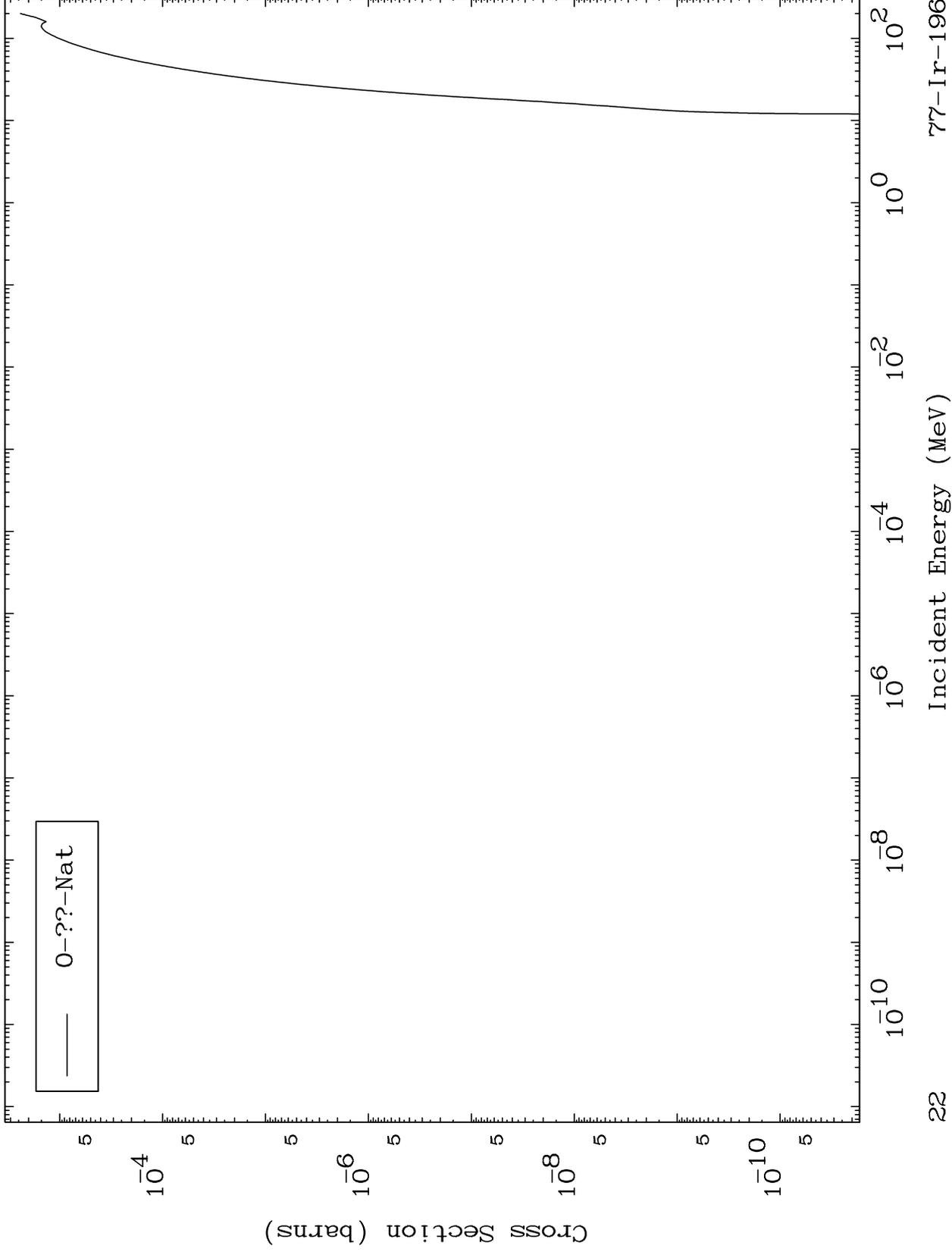
77-Ir-196

MAT 7741

Fission

⁷⁷Ir-196

Radionuclide Production Cross Section



22

Incident Energy (MeV)

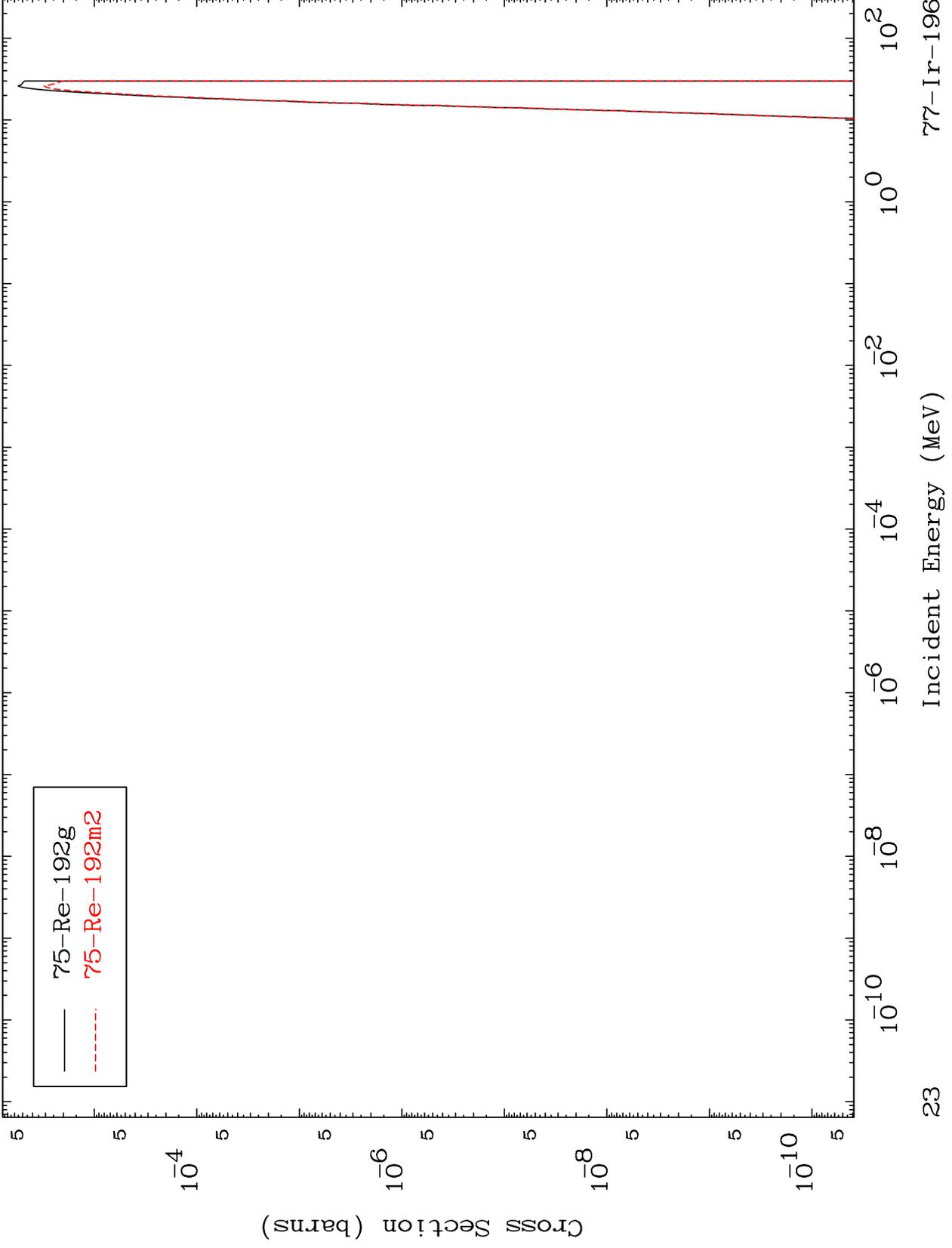
⁷⁷Ir-196

MAT 7741

$(n, n') \alpha$

$^{77}\text{Ir-196}$

Radionuclide Production Cross Section

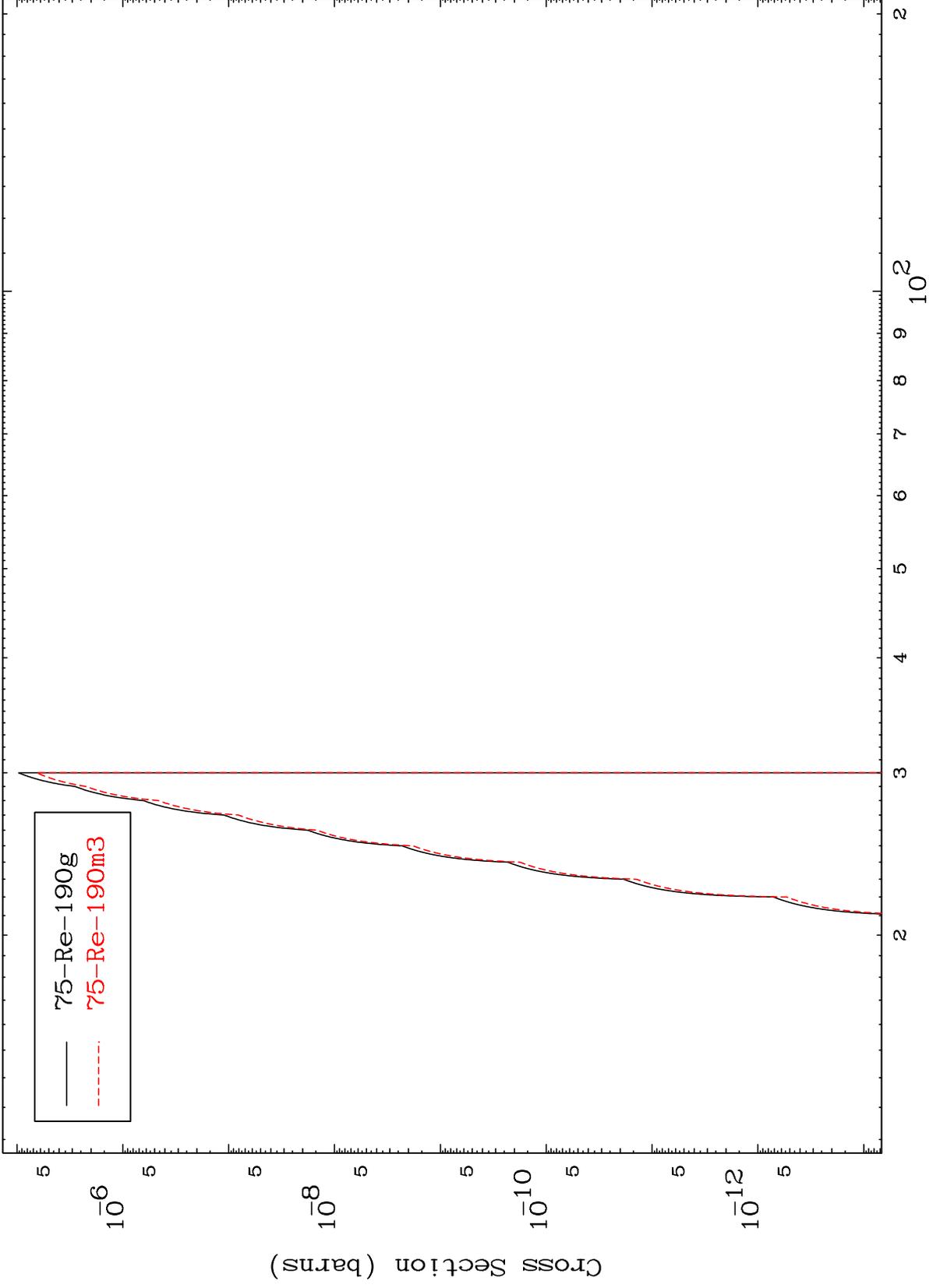


MAT 7741

(n,3n) α

77-Ir-196

Radionuclide Production Cross Section



24

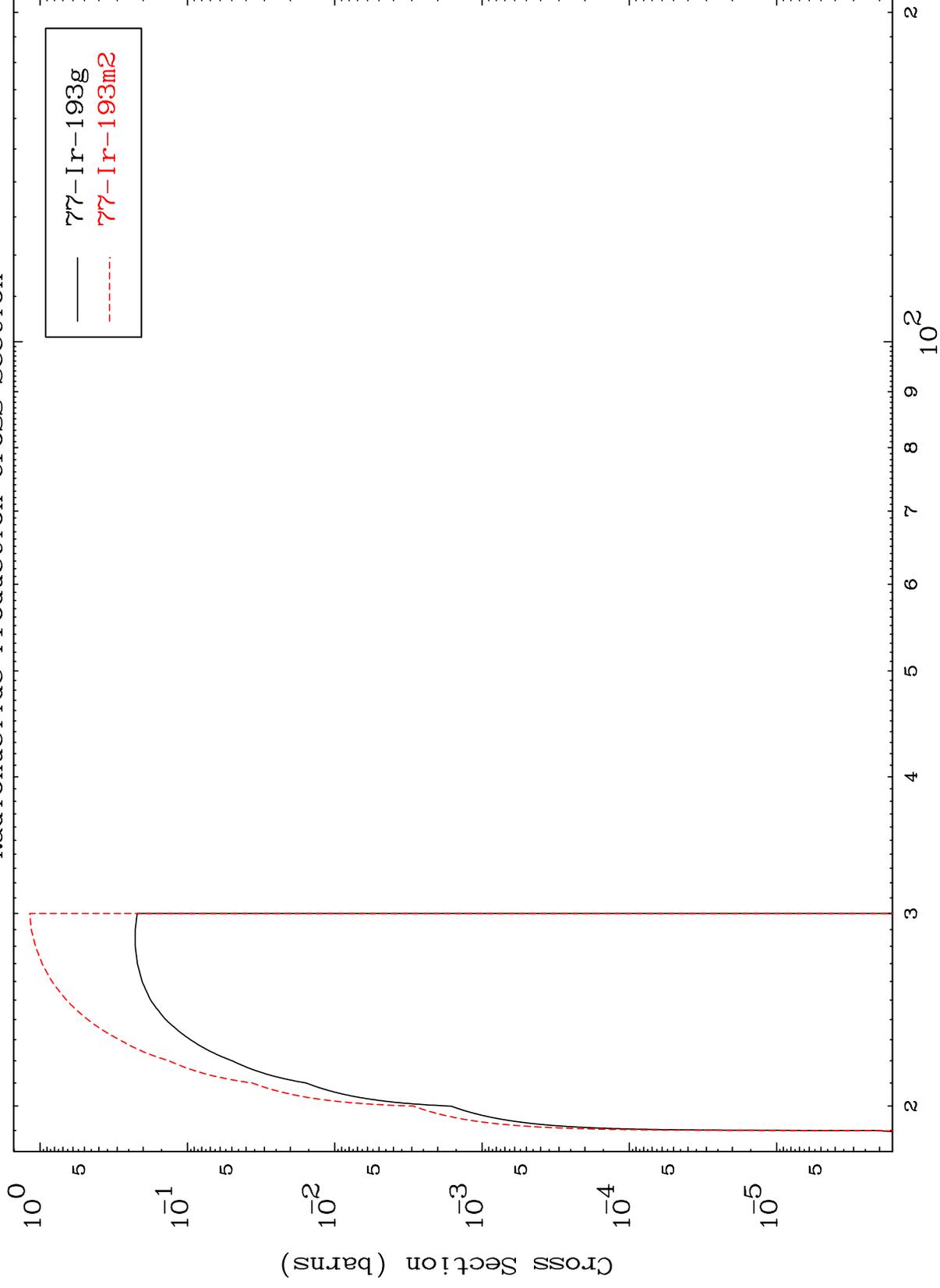
Incident Energy (MeV)

77-Ir-196

MAT 7741

77-Ir-196

(n,4n)
Radionuclide Production Cross Section



25

Incident Energy (MeV)

77-Ir-196

MAT 7741

⁷⁷Ir-196

(n,γ)
Radionuclide Production Cross Section

