

Program EVALPLOT
(Version 2017-1)

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

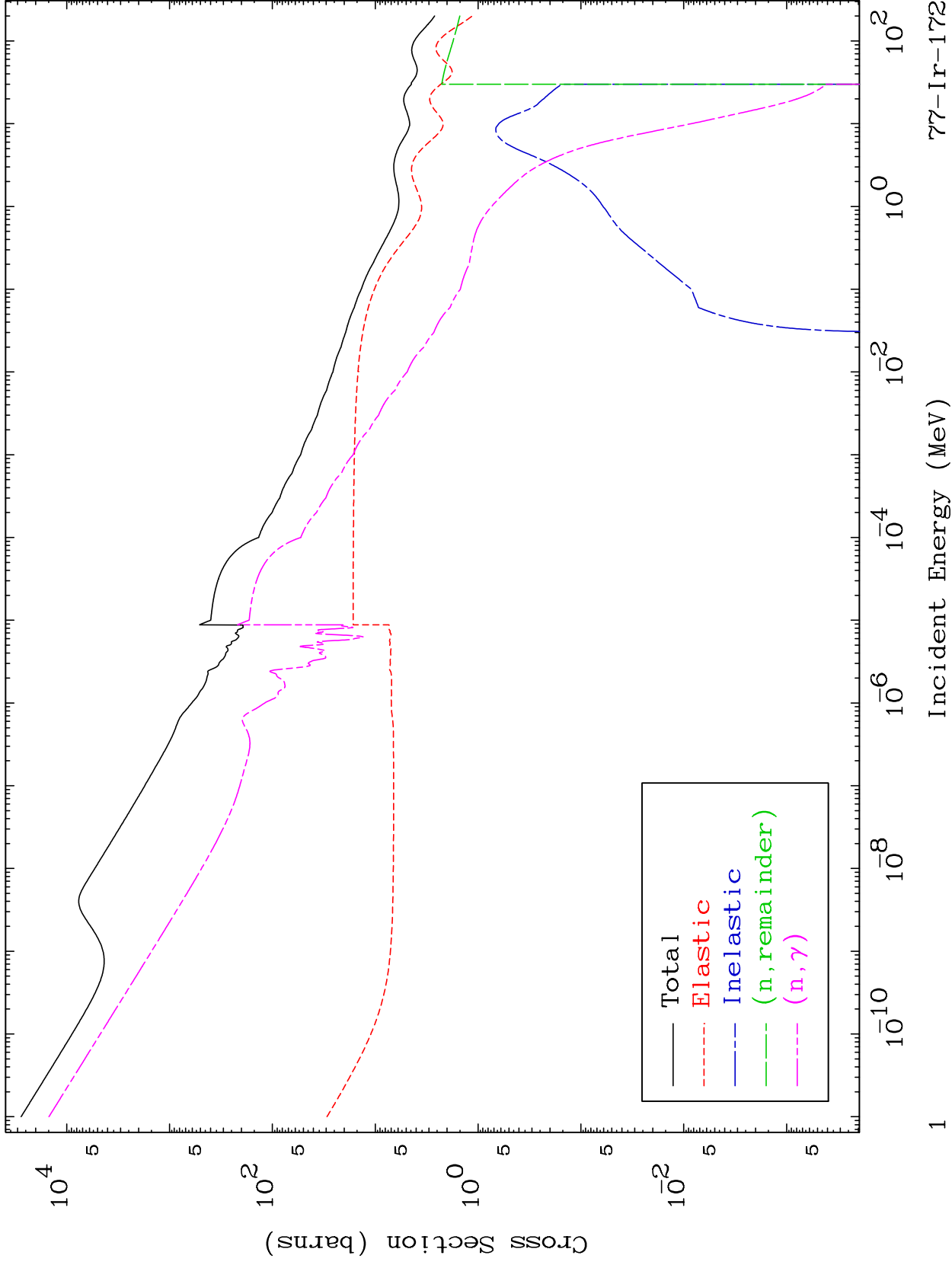
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7669

Major
293 Kelvin Cross Sections

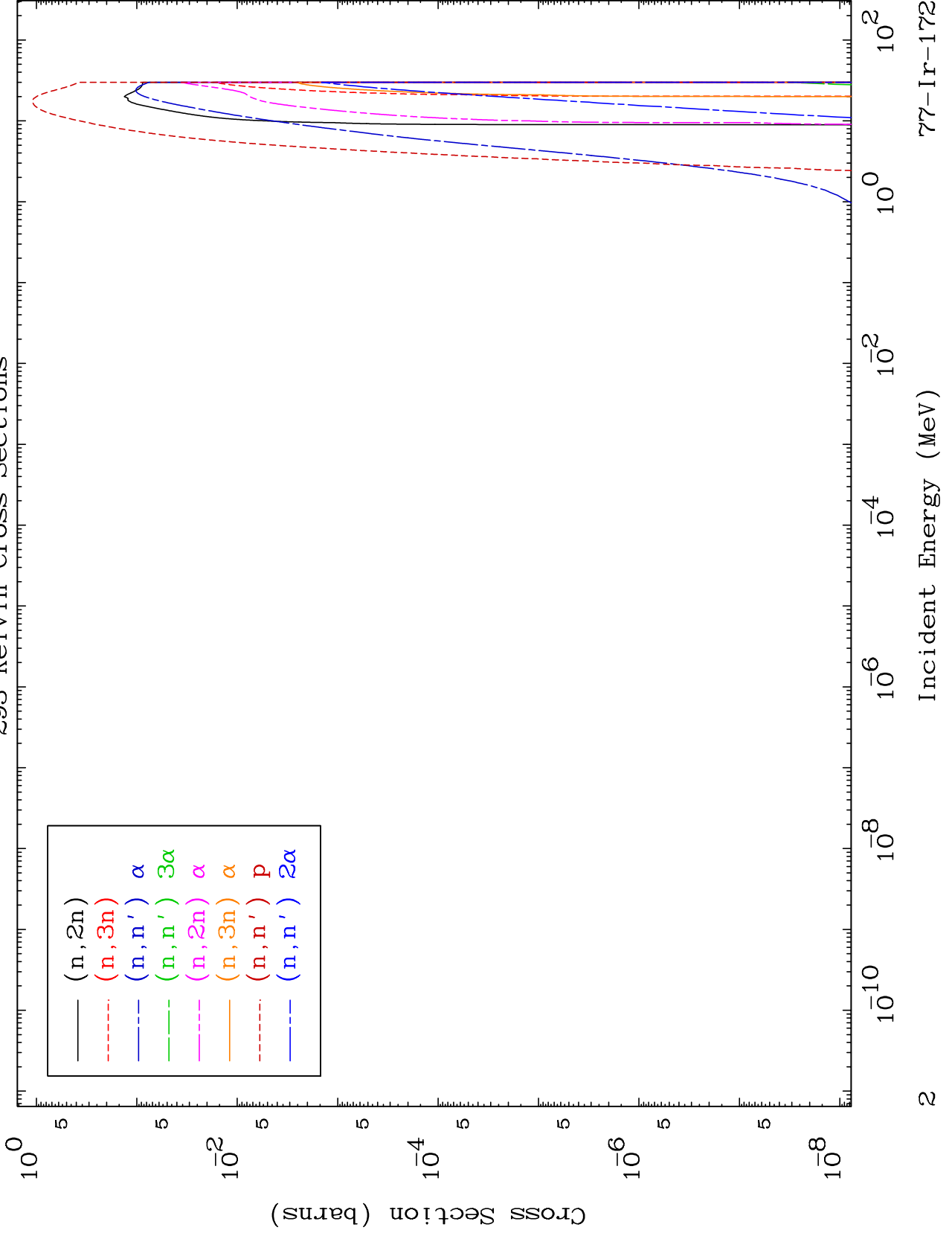
⁷⁷Ir-172



MAT 7669

Neutron Production
293 Kelvin Cross Sections

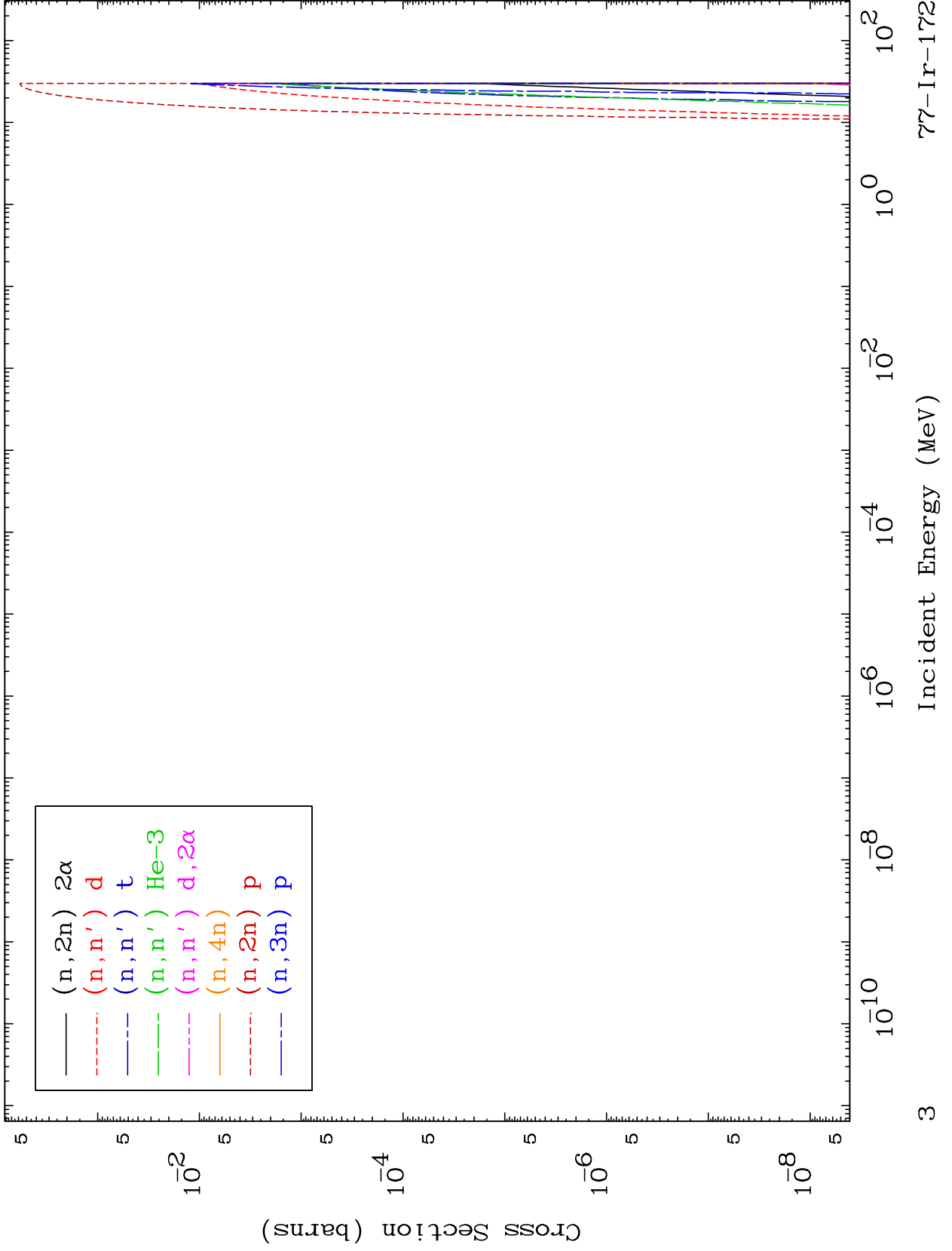
77-Ir-172



MAT 7669

Neutron Production
293 Kelvin Cross Sections

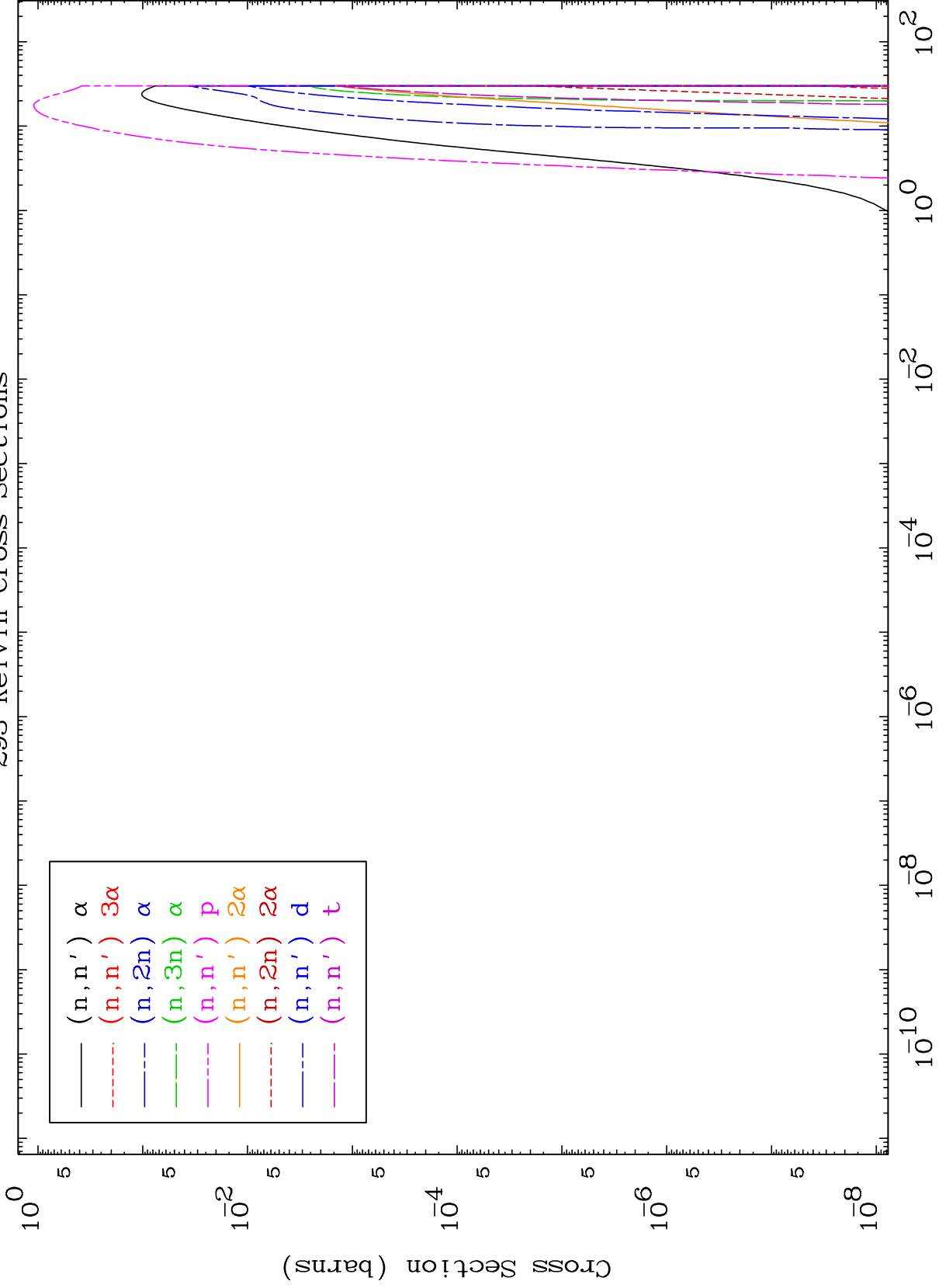
⁷⁷Ir-172



MAT 7669

Charged Particle
293 Kelvin Cross Sections

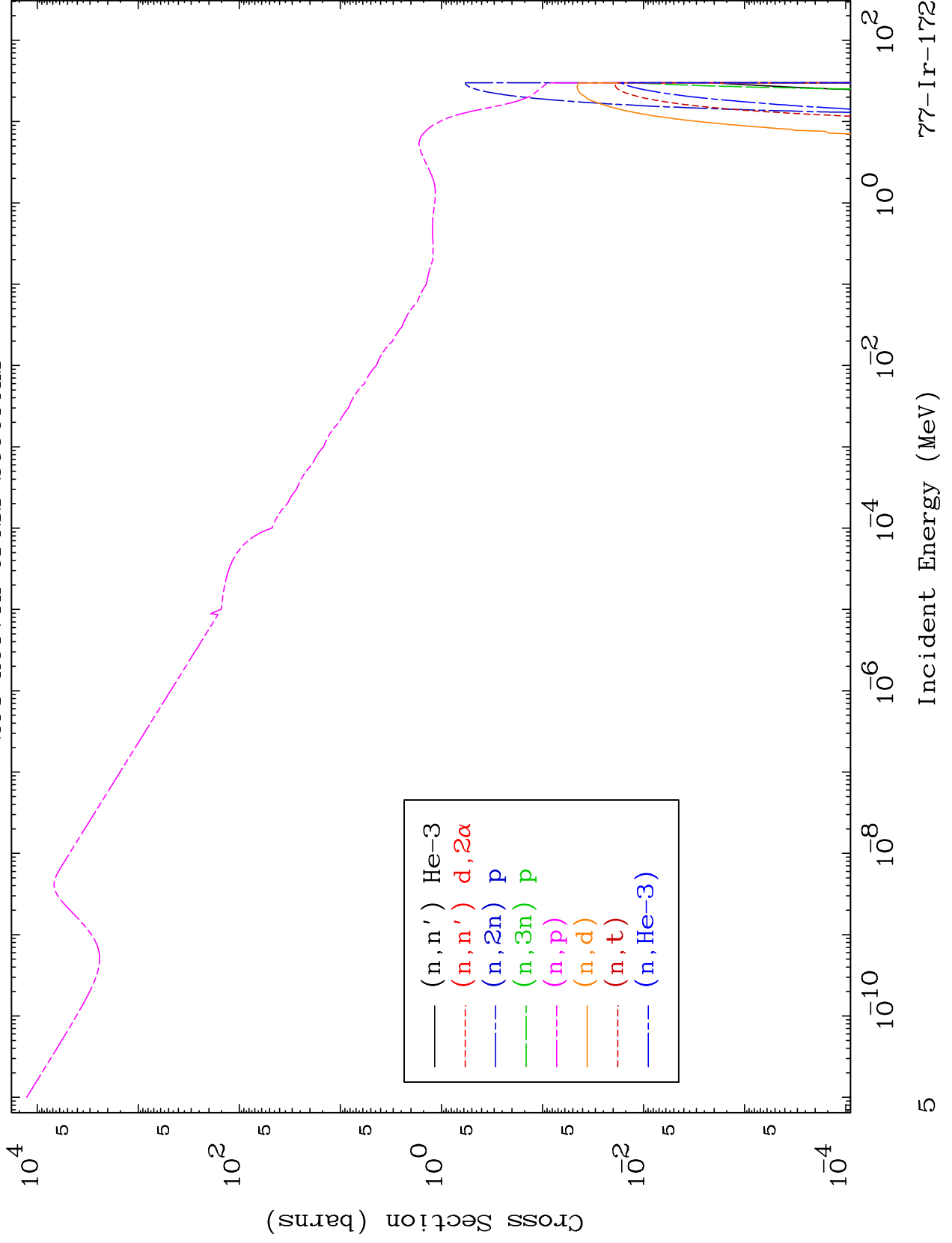
77-Ir-172



MAT 7669

Charged Particle
293 Kelvin Cross Sections

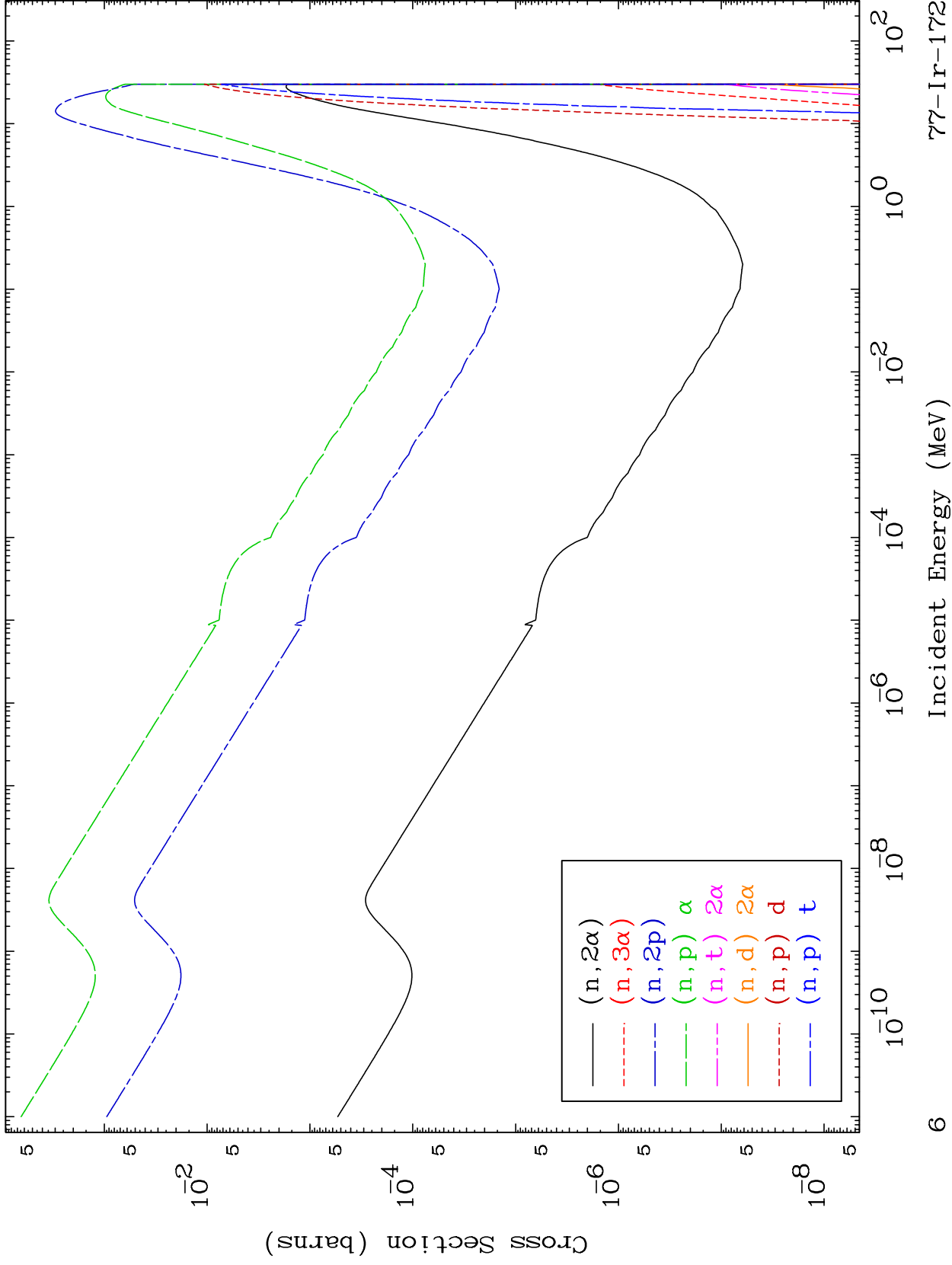
⁷⁷Ir-172



MAT 7669

Charged Particle
293 Kelvin Cross Sections

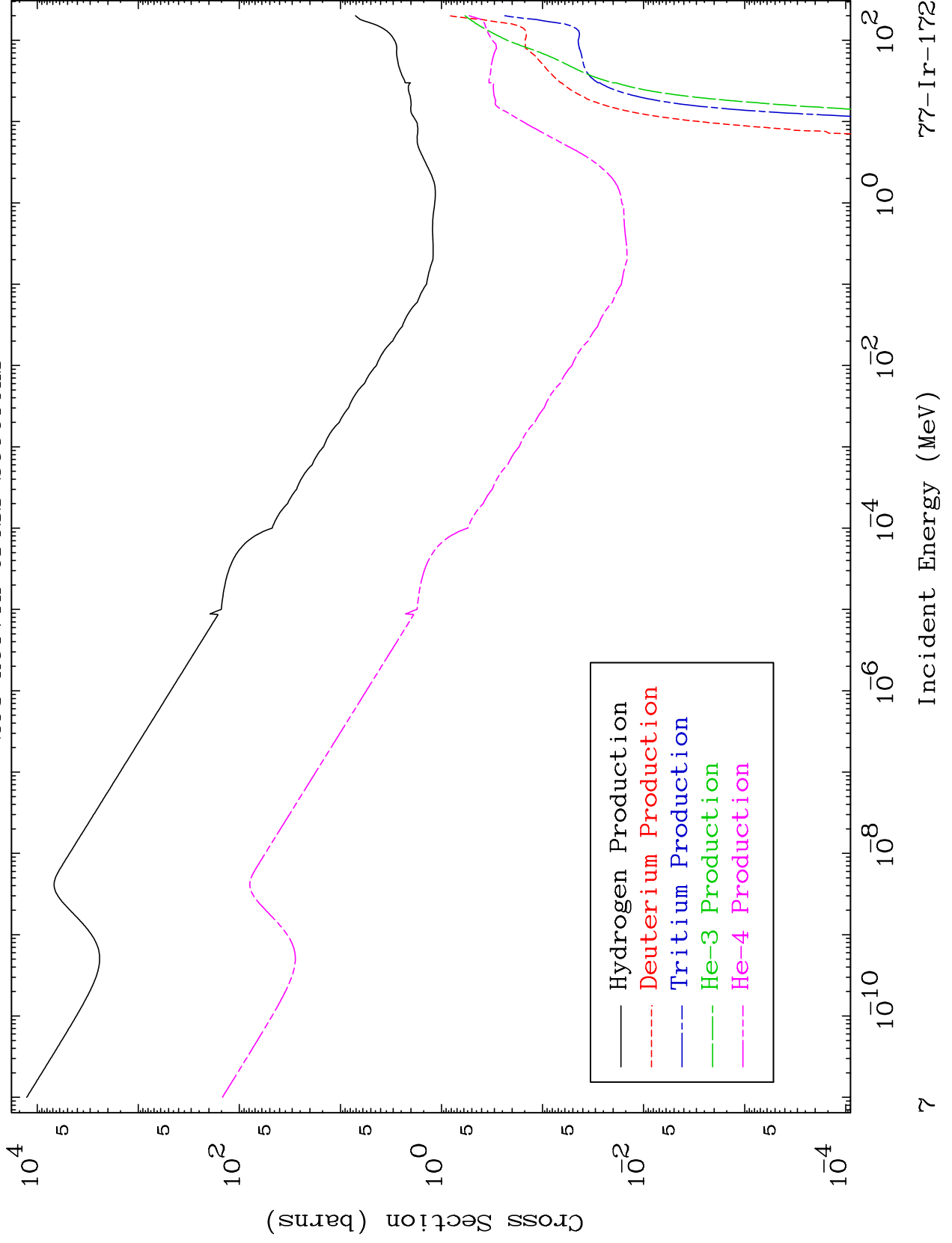
77-Ir-172



MAT 7669

Particle Production
293 Kelvin Cross Sections

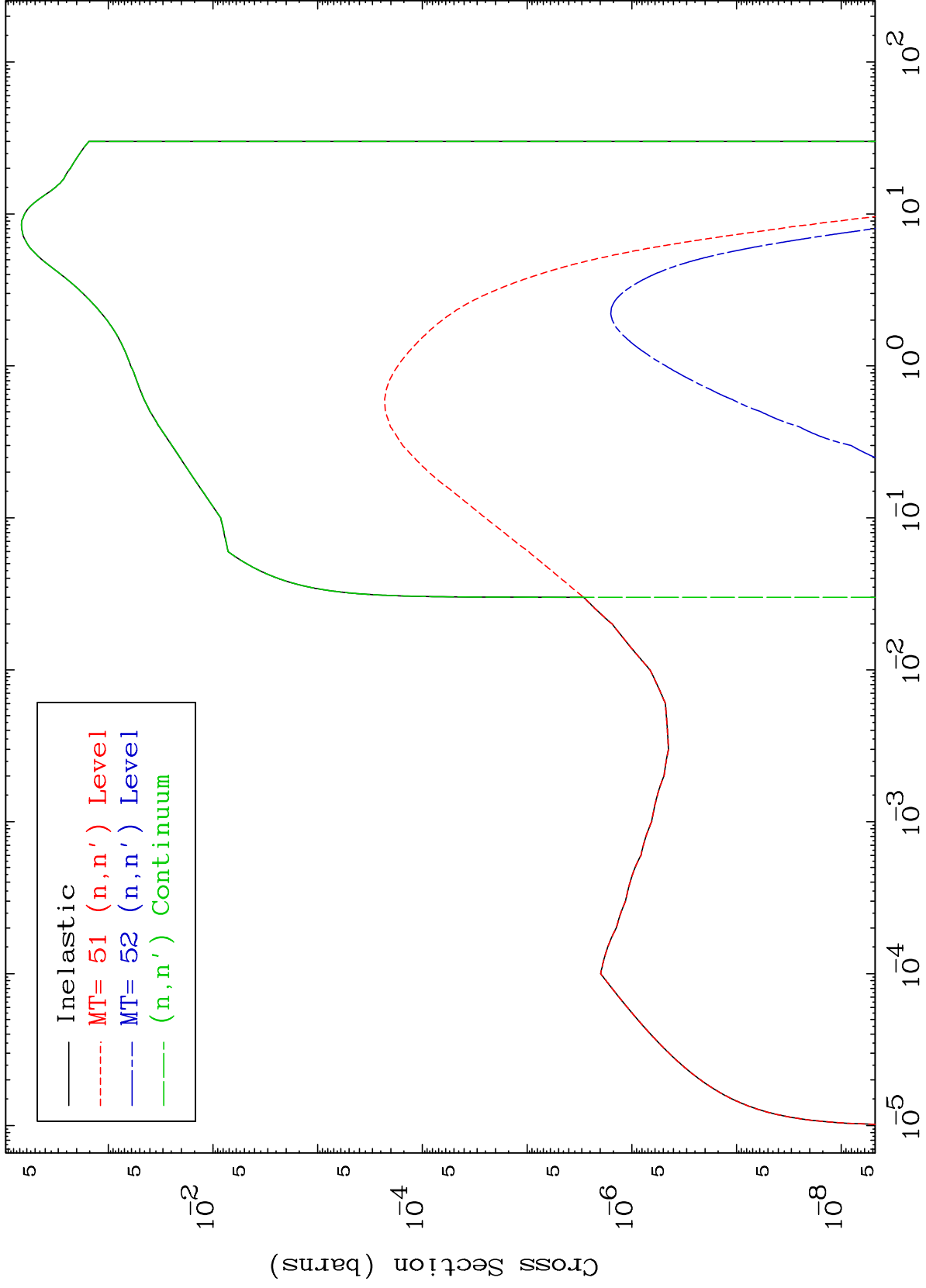
77-Ir-172



MAT 7669

293 Kelvin Cross Sections

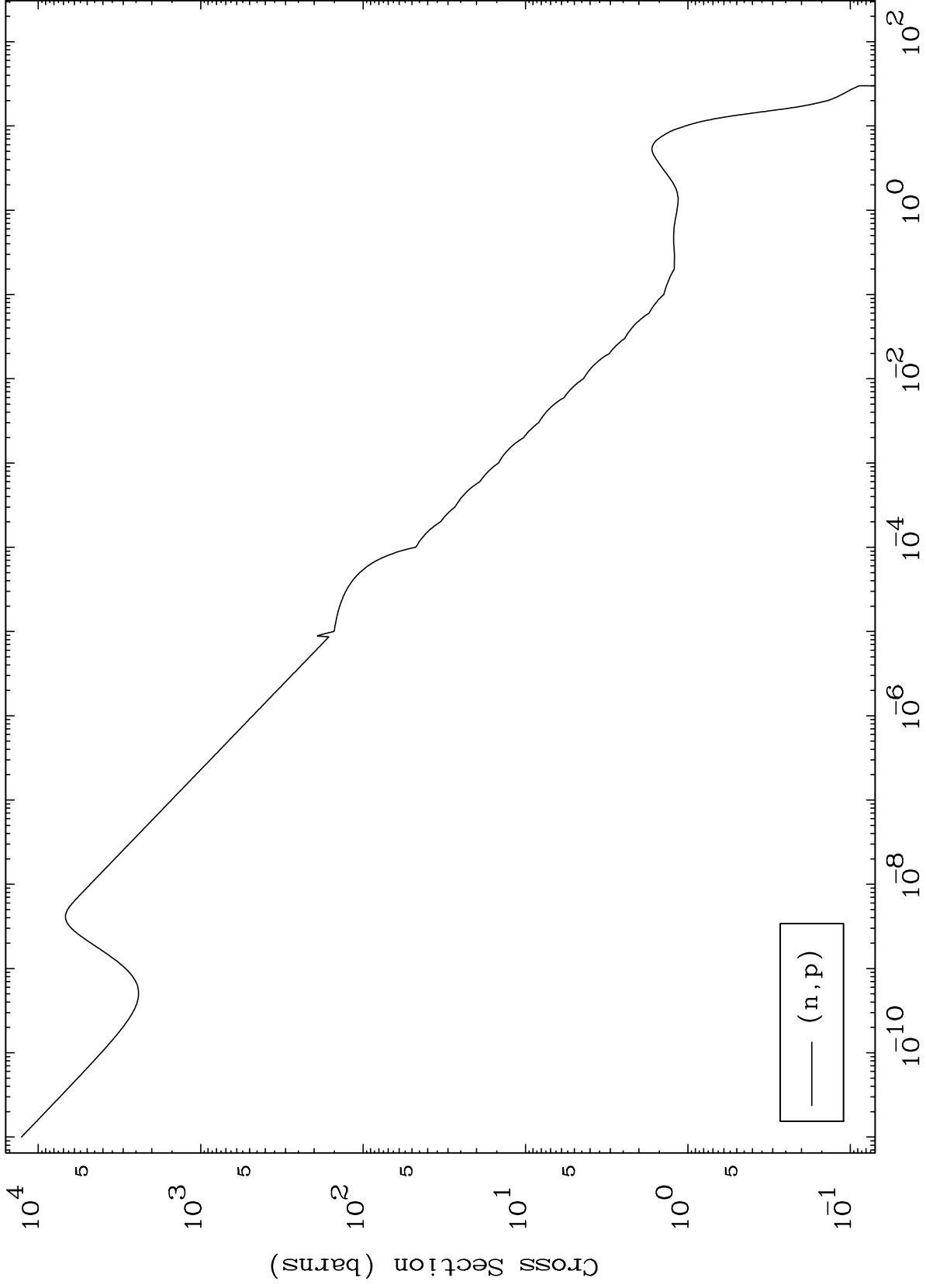
77-Ir-172



MAT 7669

(n,p) Levels
293 Kelvin Cross Sections

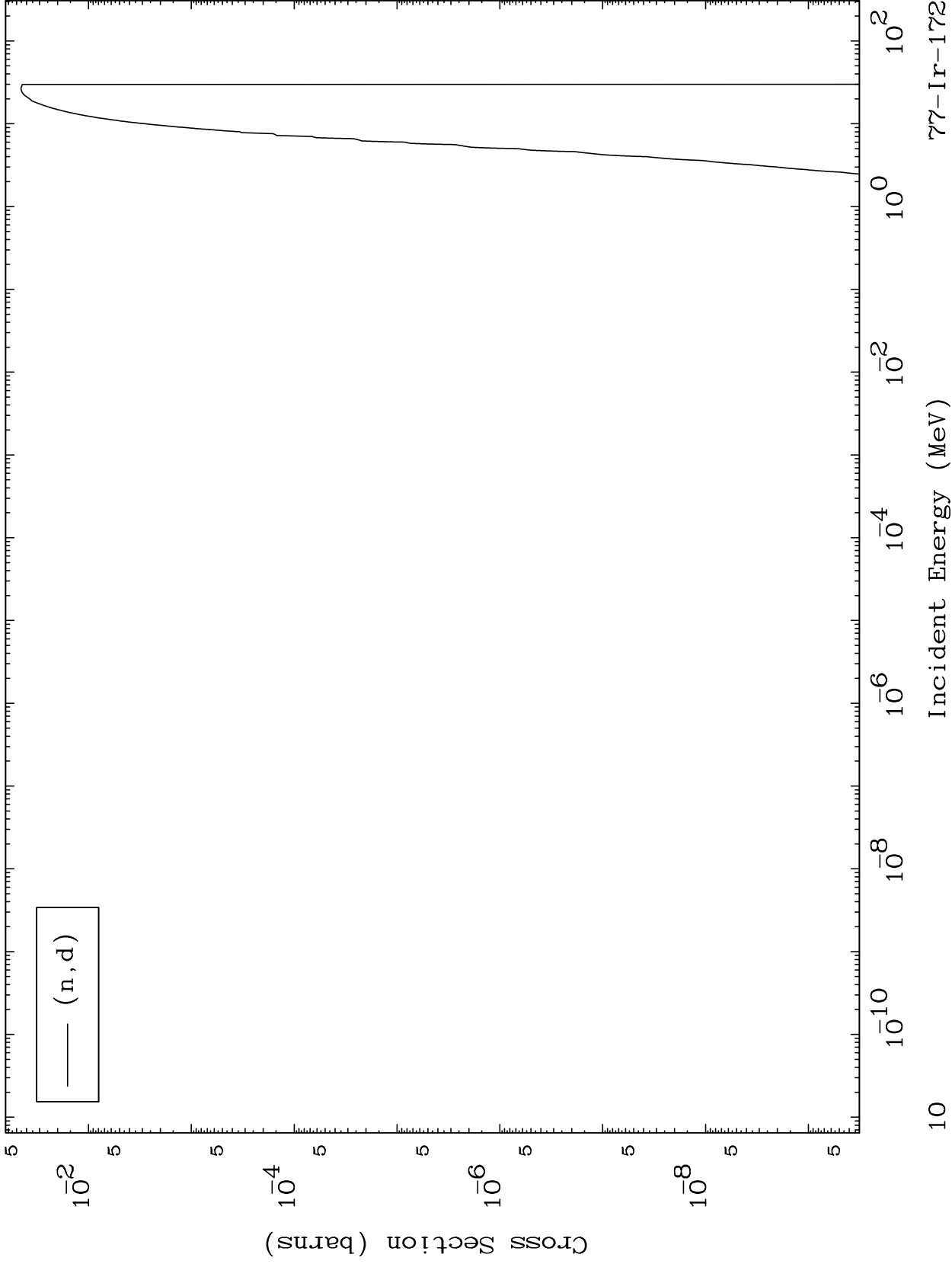
⁷⁷Ir-172



MAT 7669

(n,d) Levels
293 Kelvin Cross Sections

77-Ir-172



10

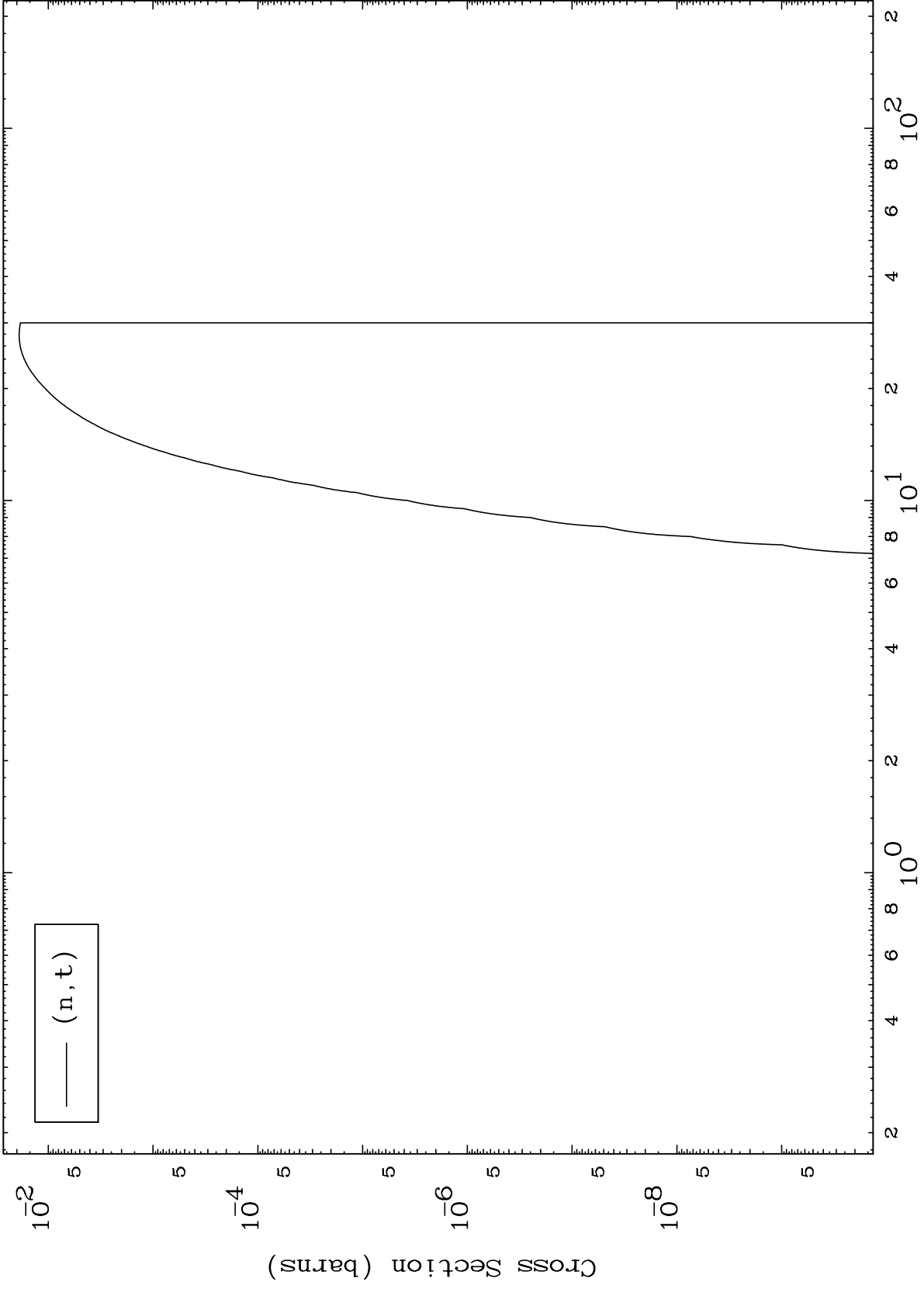
Incident Energy (MeV)

77-Ir-172

MAT 7669

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-172

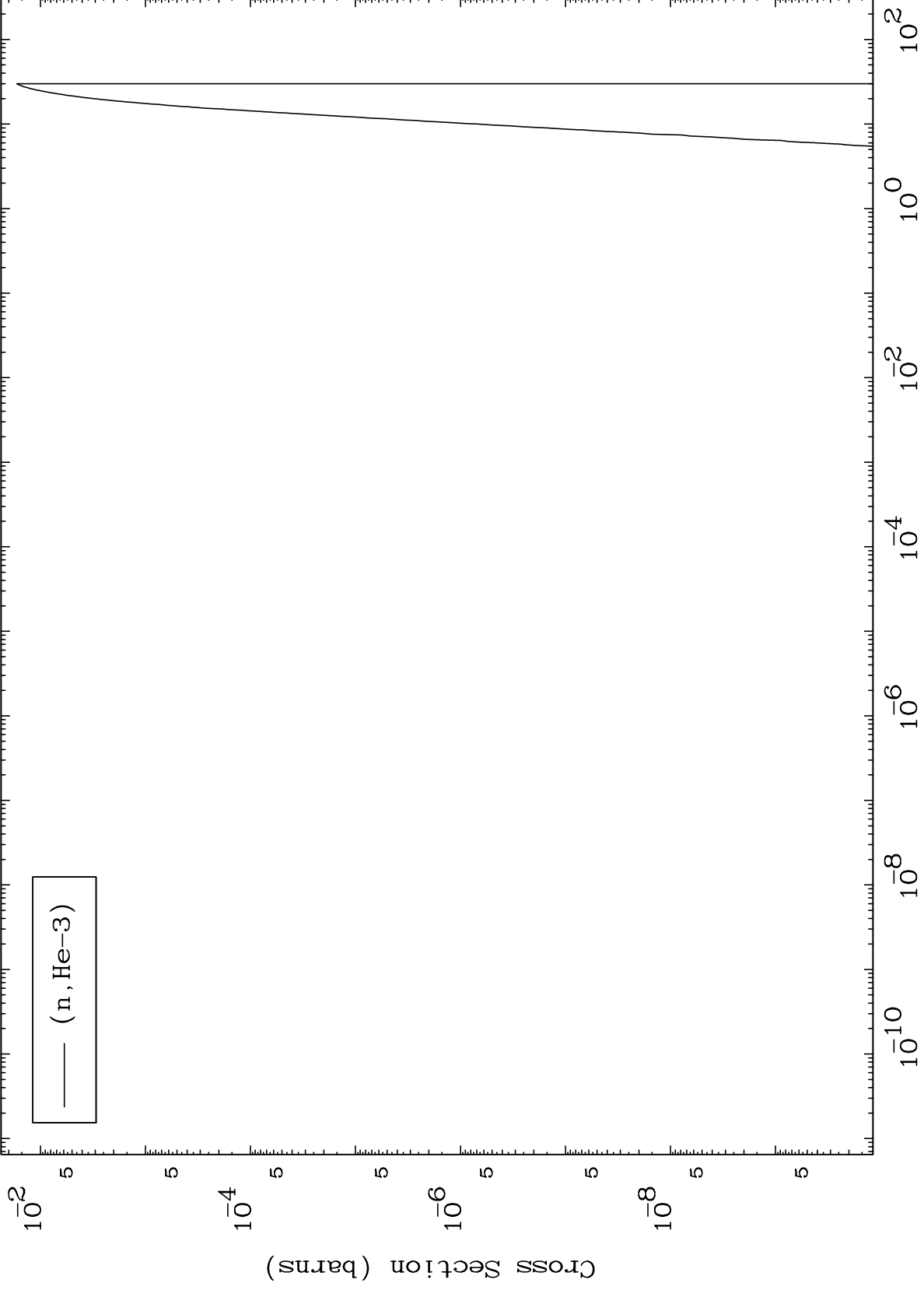


(n,t)

MAT 7669

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-172



12

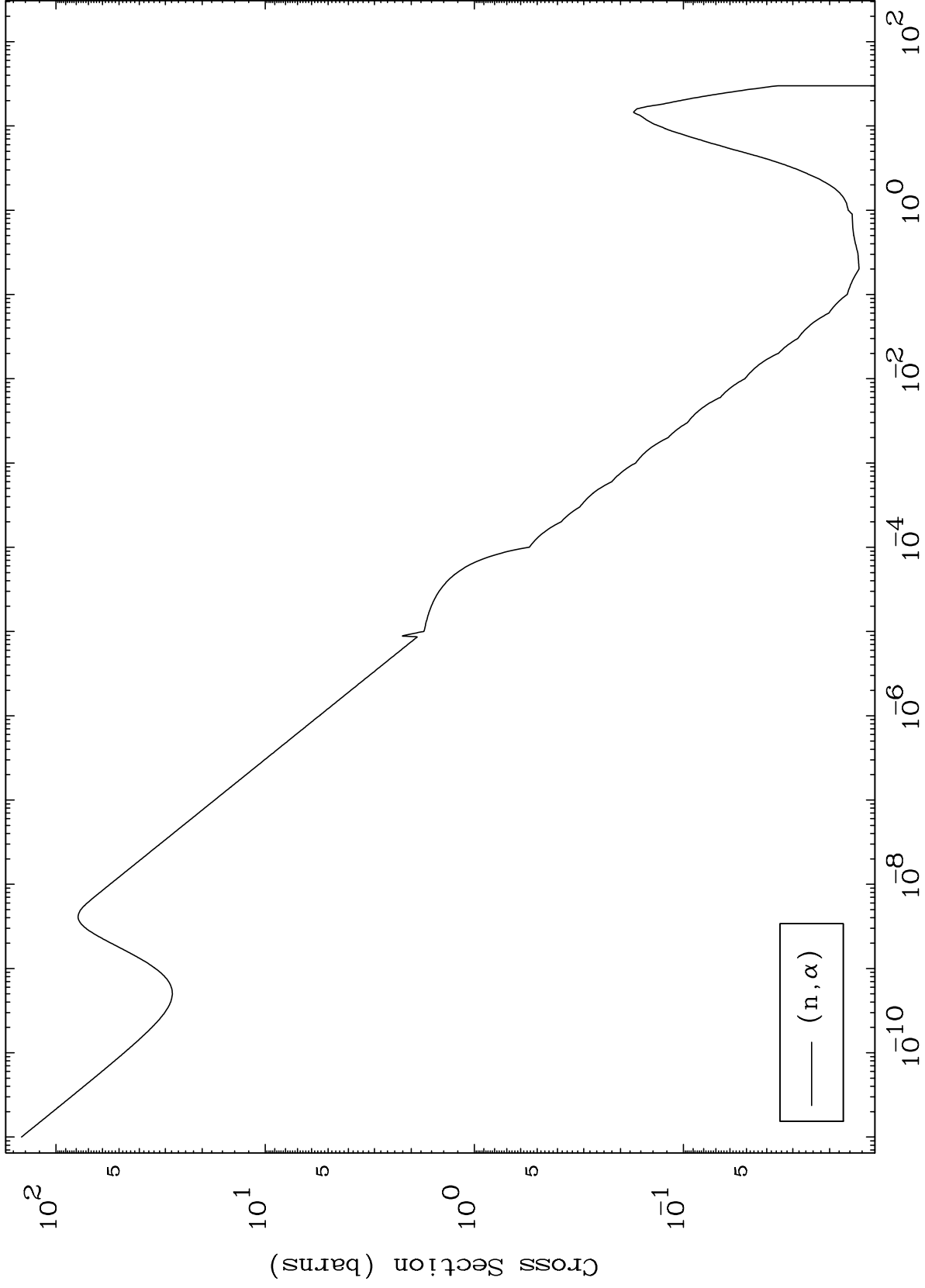
Incident Energy (MeV)

77-Ir-172

MAT 7669

(n,α) Levels
293 Kelvin Cross Sections

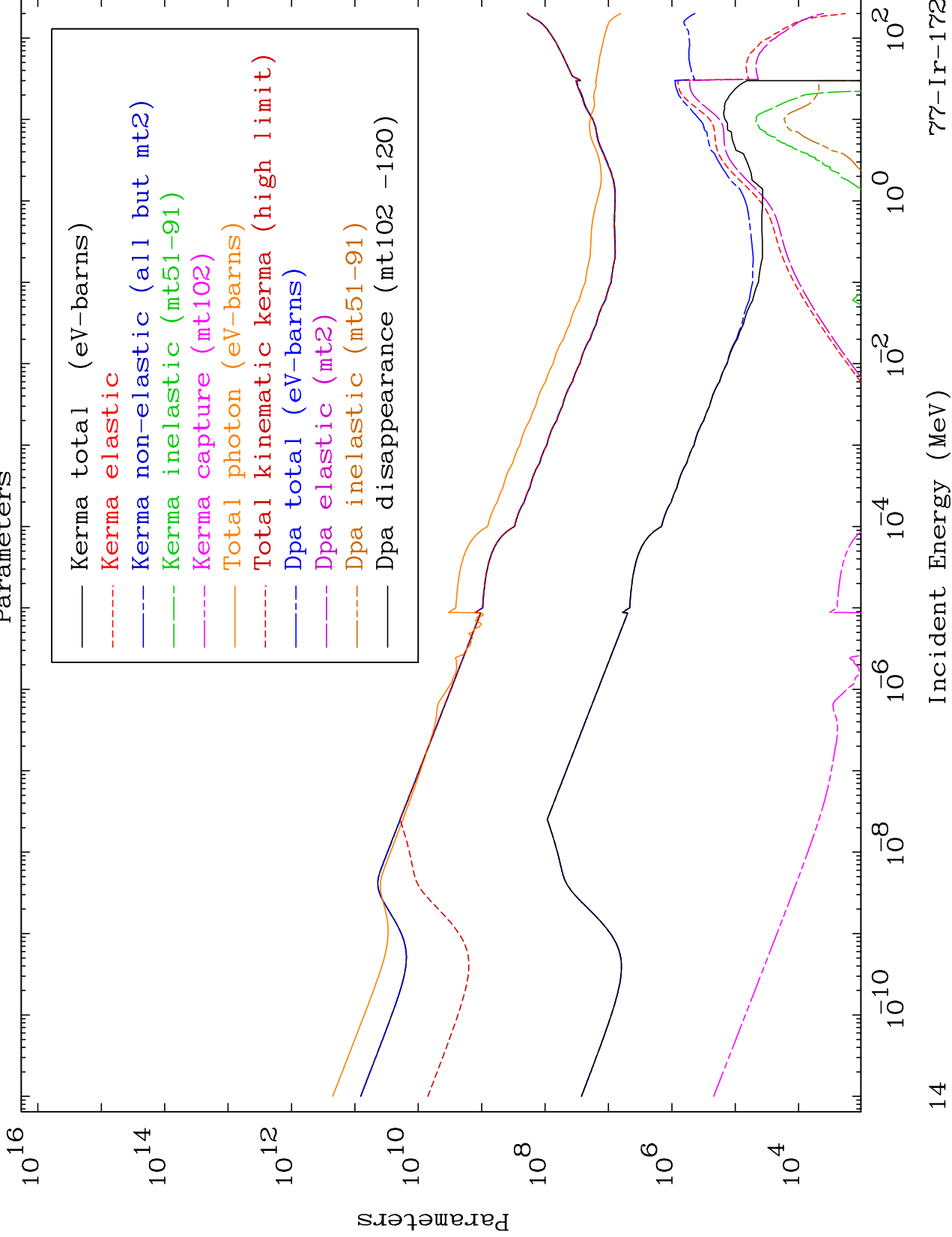
77-Ir-172



13

Incident Energy (MeV)

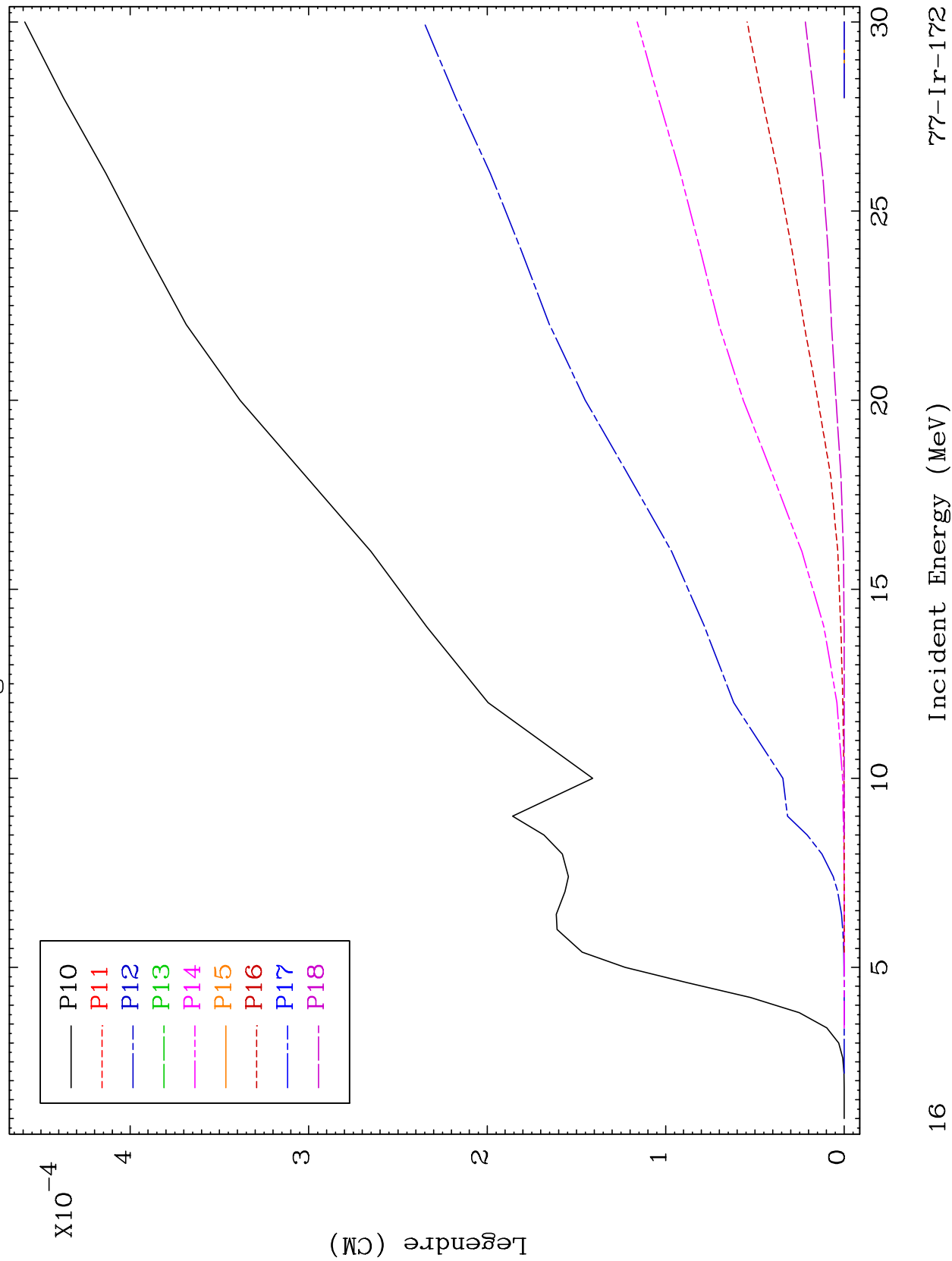
77-Ir-172



MAT 7669

Elastic Legendre Coefficients

⁷⁷Ir-172

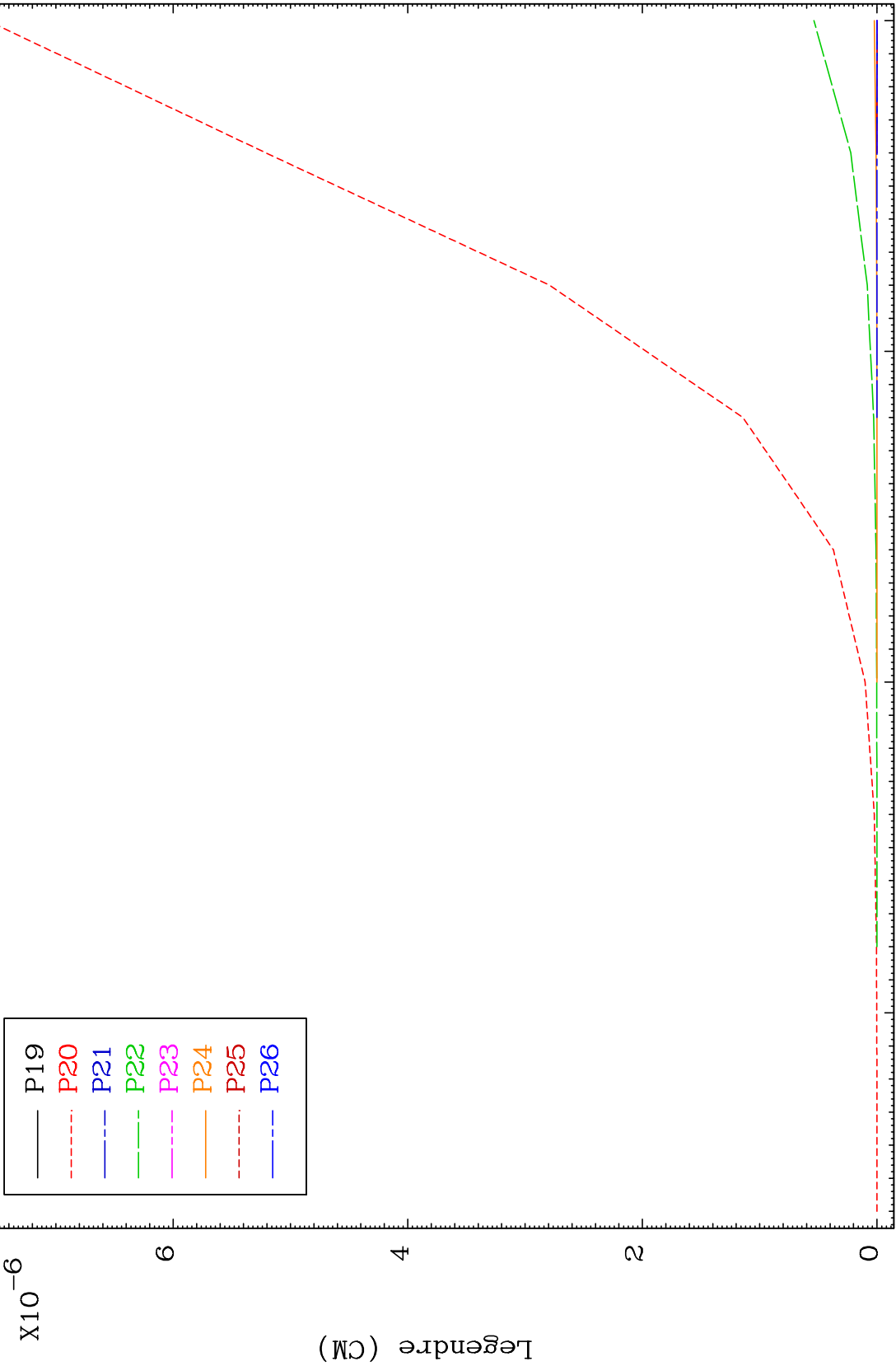
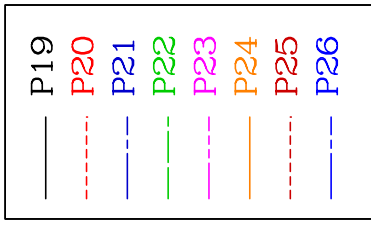


16

MAT 7669

Elastic Legendre Coefficients

⁷⁷Ir-172



17

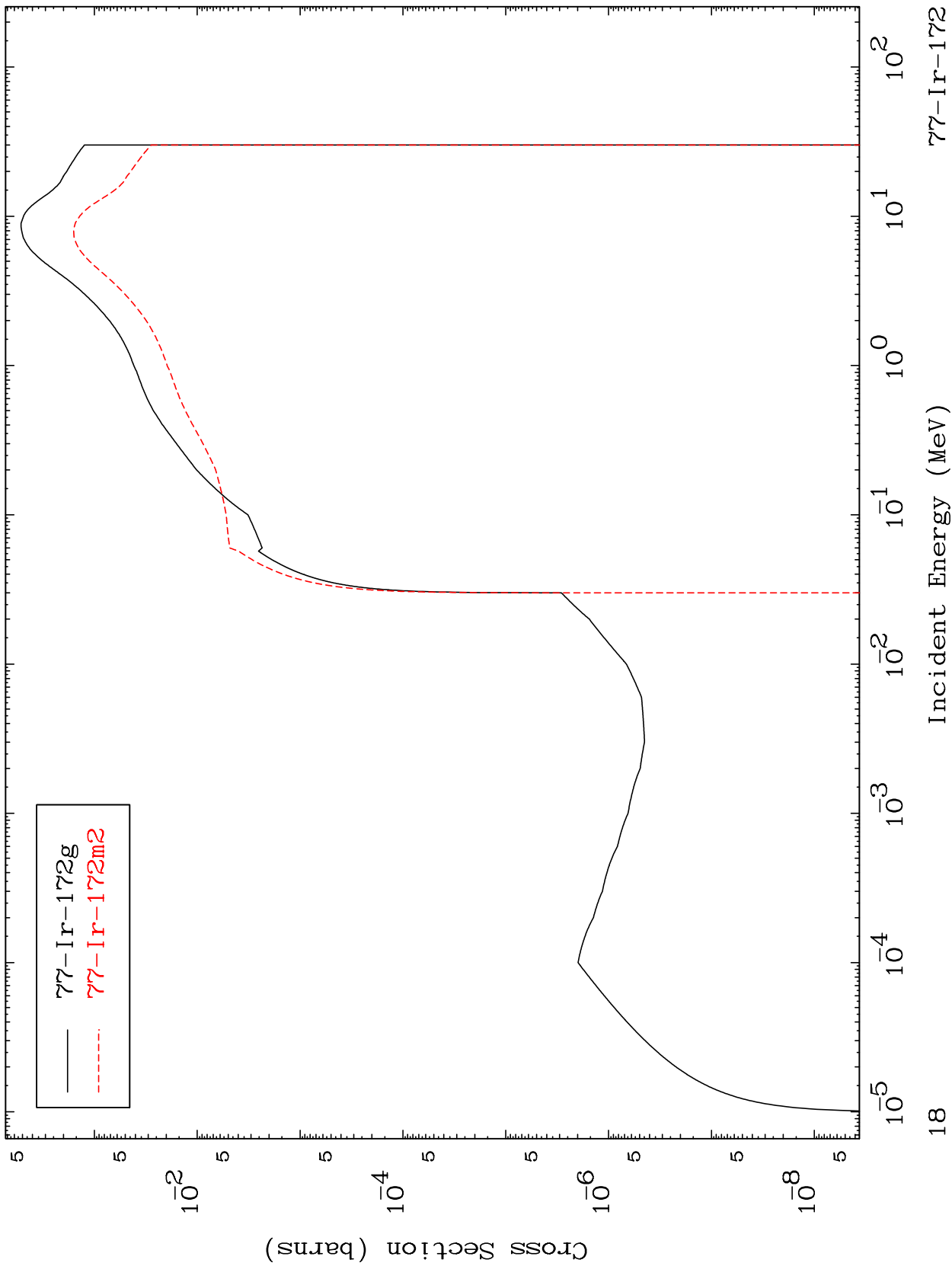
Incident Energy (MeV)

⁷⁷Ir-172

MAT 7669

Inelastic
Radionuclide Production Cross Section

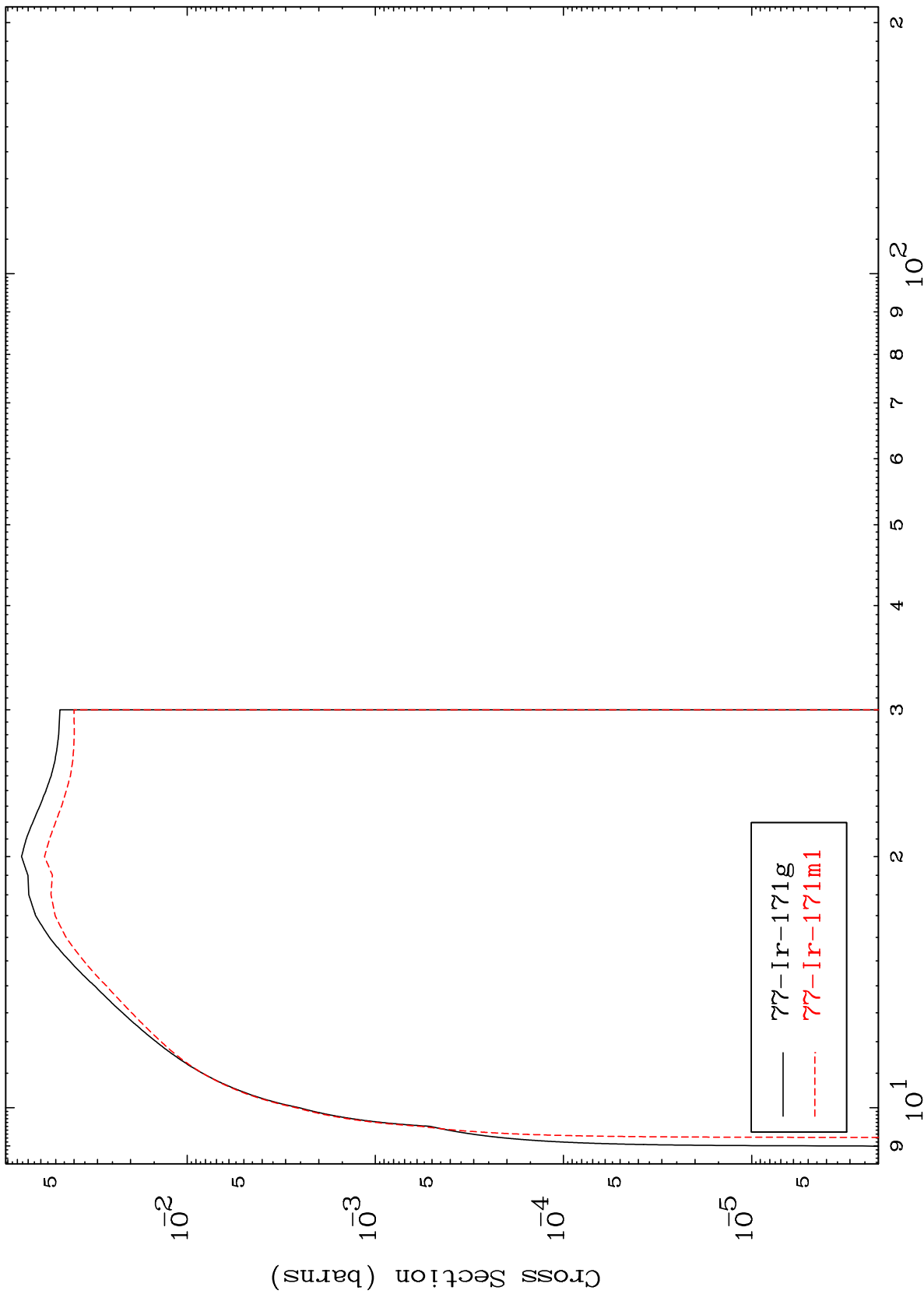
⁷⁷Ir-172



MAT 7669

⁷⁷Ir-172

Radionuclide Production Cross Section
(n,2n)



⁷⁷Ir-172

Incident Energy (MeV)

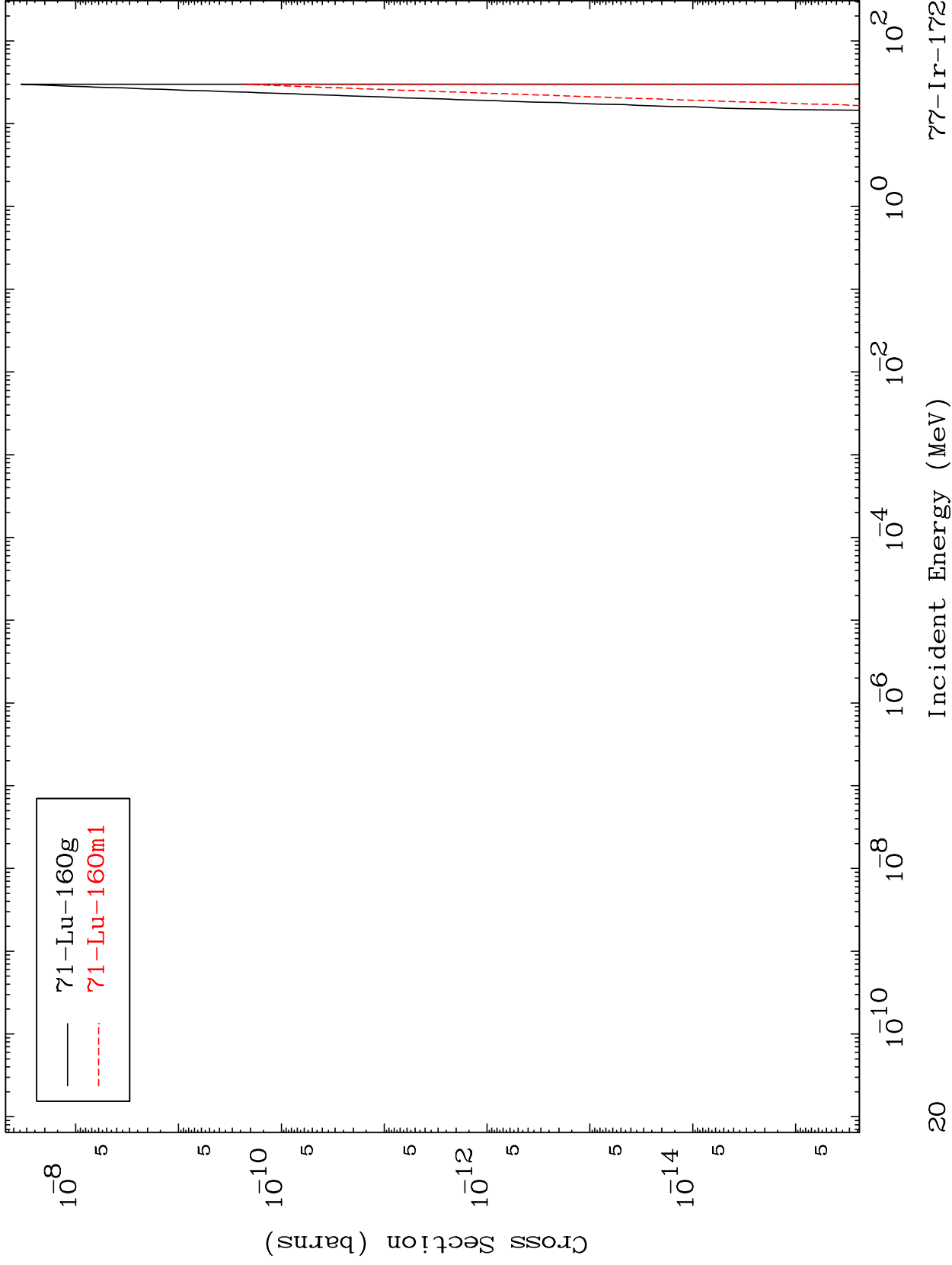
19

MAT 7669

(n,n') 3 α

⁷⁷Ir-172

Radionuclide Production Cross Section

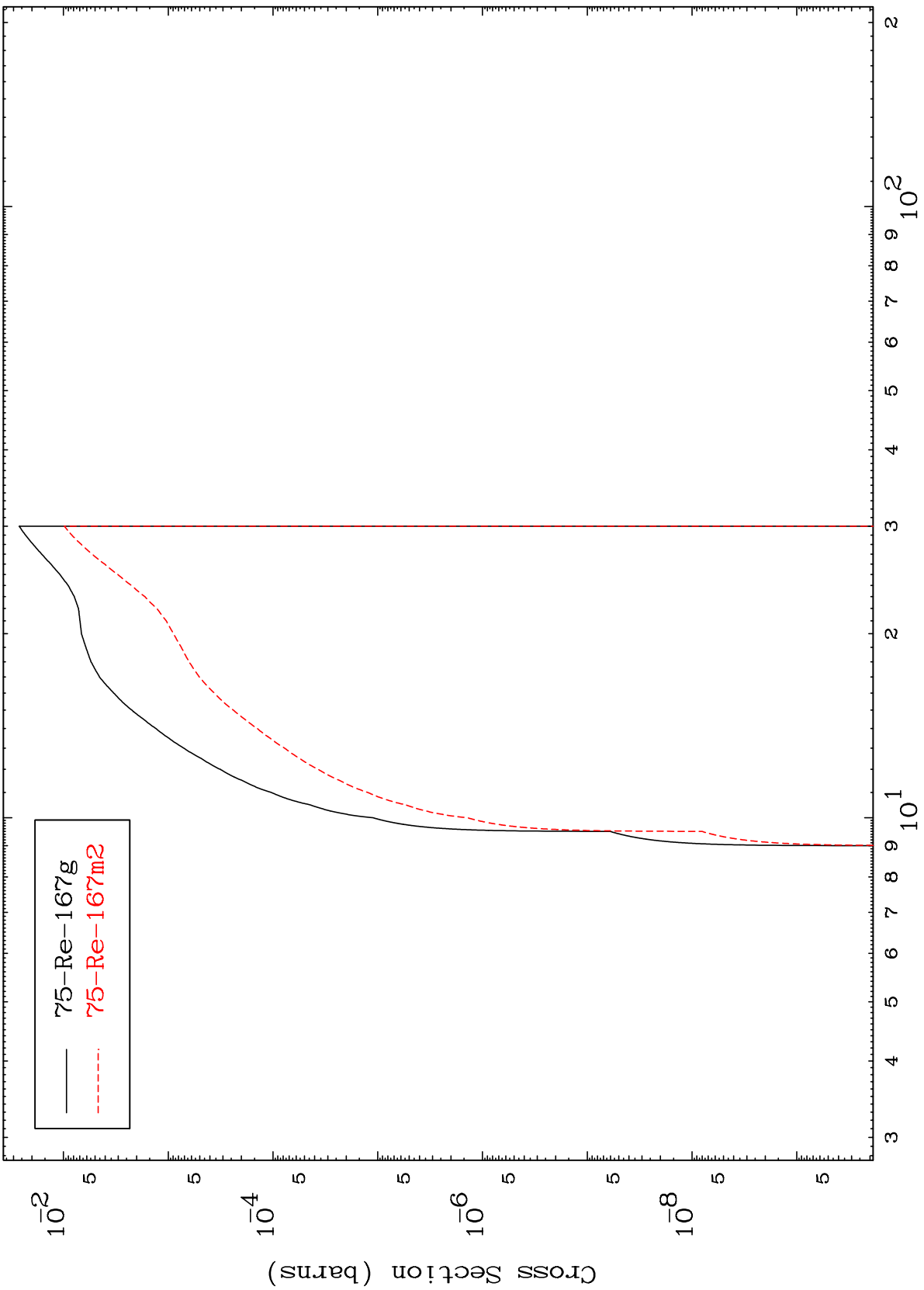


MAT 7669

$(n, 2n) \alpha$

$^{77}\text{Ir-172}$

Radionuclide Production Cross Section



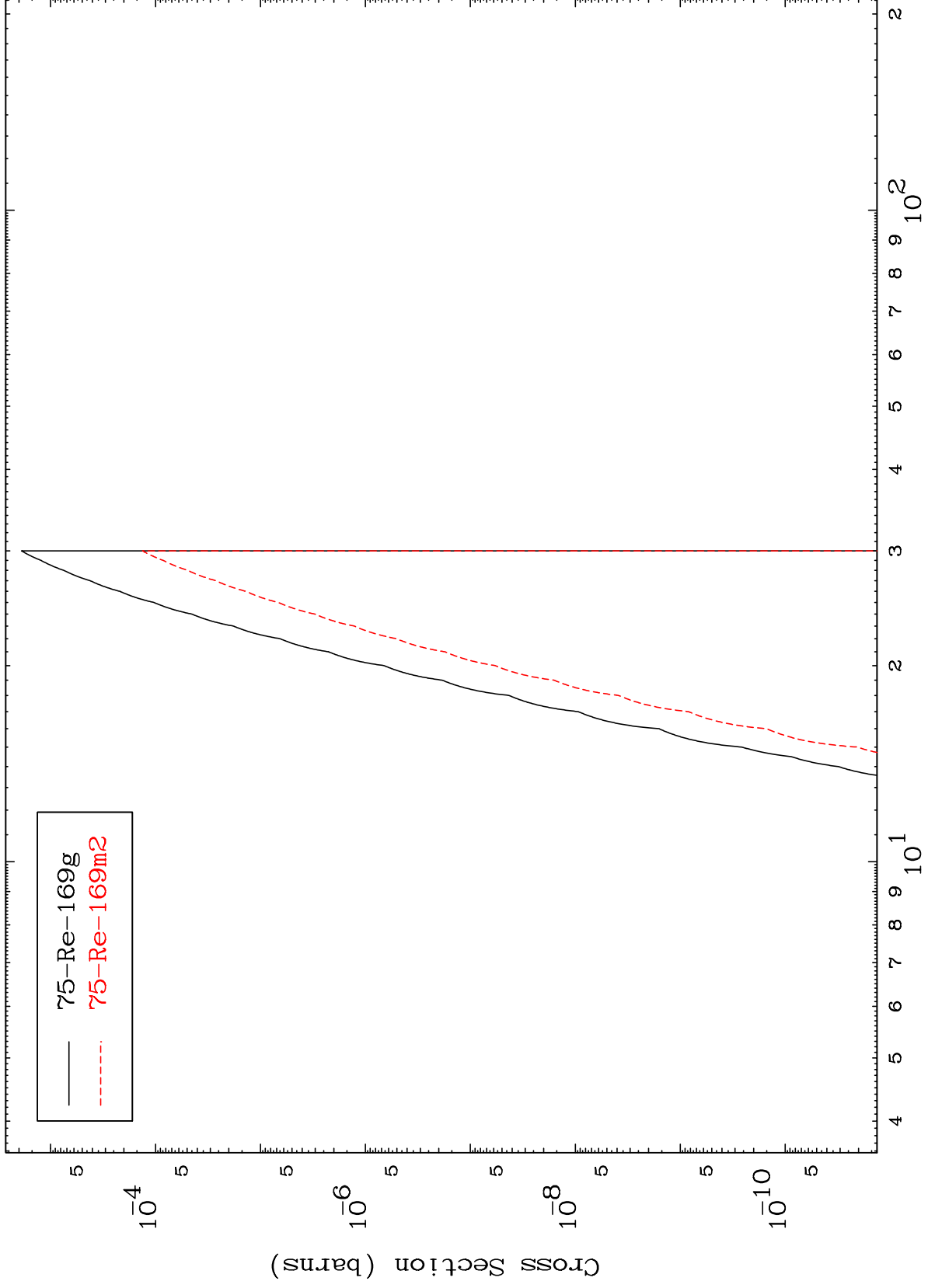
— 75-Re-167g
- - - 75-Re-167m2

MAT 7669

(n,n') He-3

77-Ir-172

Radionuclide Production Cross Section



22

Incident Energy (MeV)

77-Ir-172

MAT 7669

(n,4n)

⁷⁷Ir-172

Radionuclide Production Cross Section

— ⁷⁷Ir-169m1

X10⁻⁷⁷

6

5

4

3

2

10²

2

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

Incident Energy (MeV)

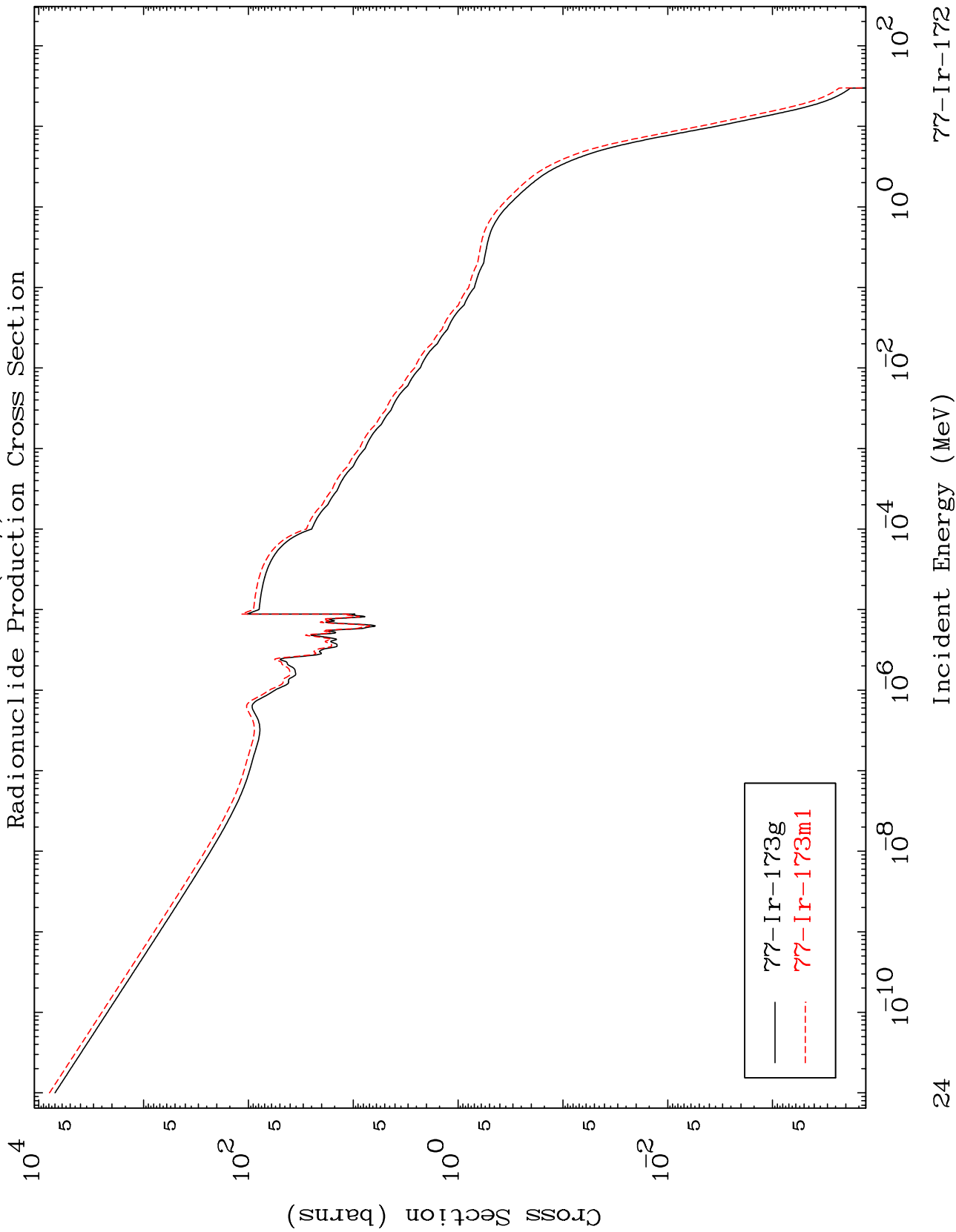
⁷⁷Ir-172

23

MAT 7669

⁷⁷Ir-172

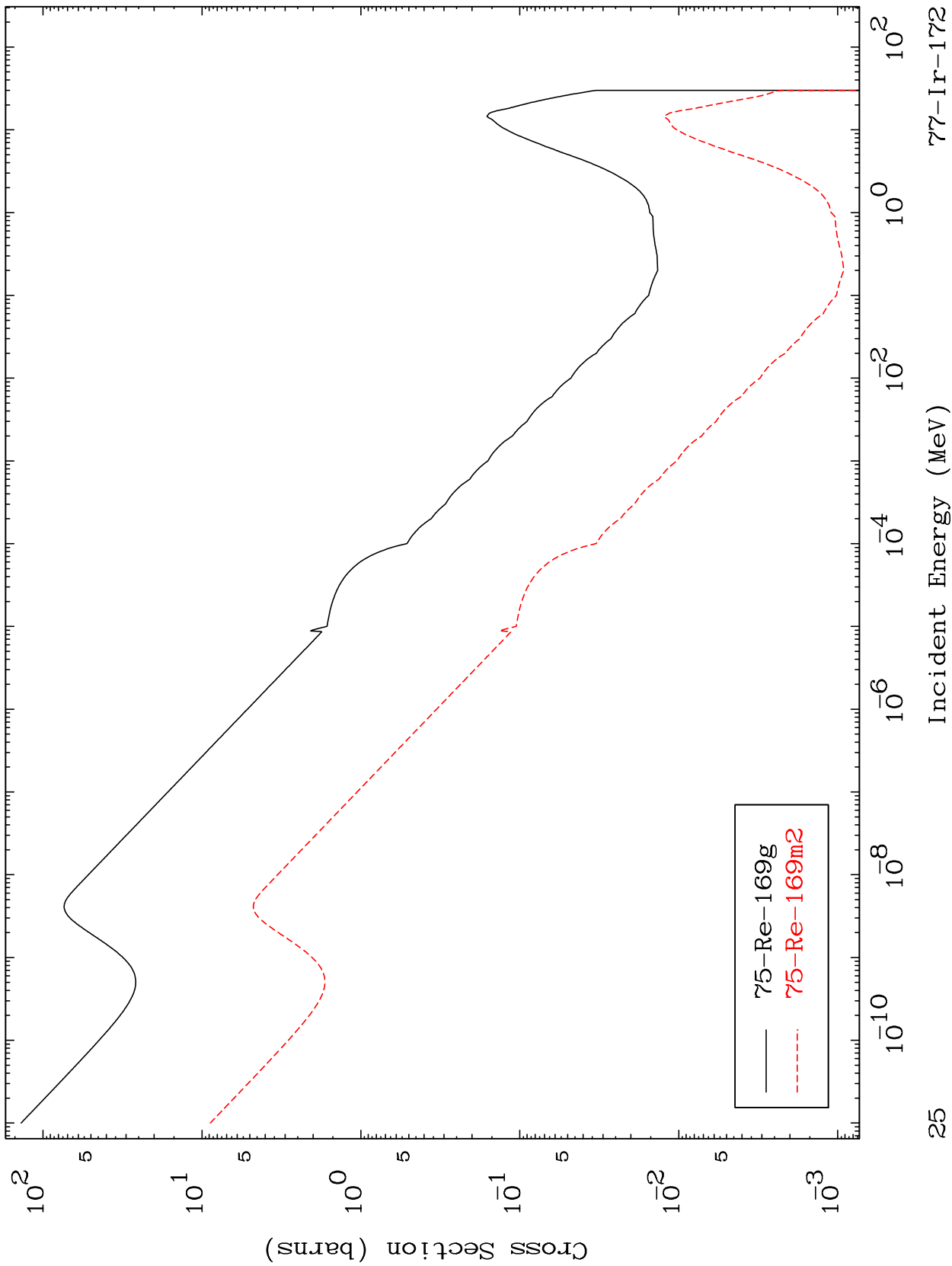
^(n,γ)
Radionuclide Production Cross Section



MAT 7669

77-Ir-172

(n, α)
Radionuclide Production Cross Section

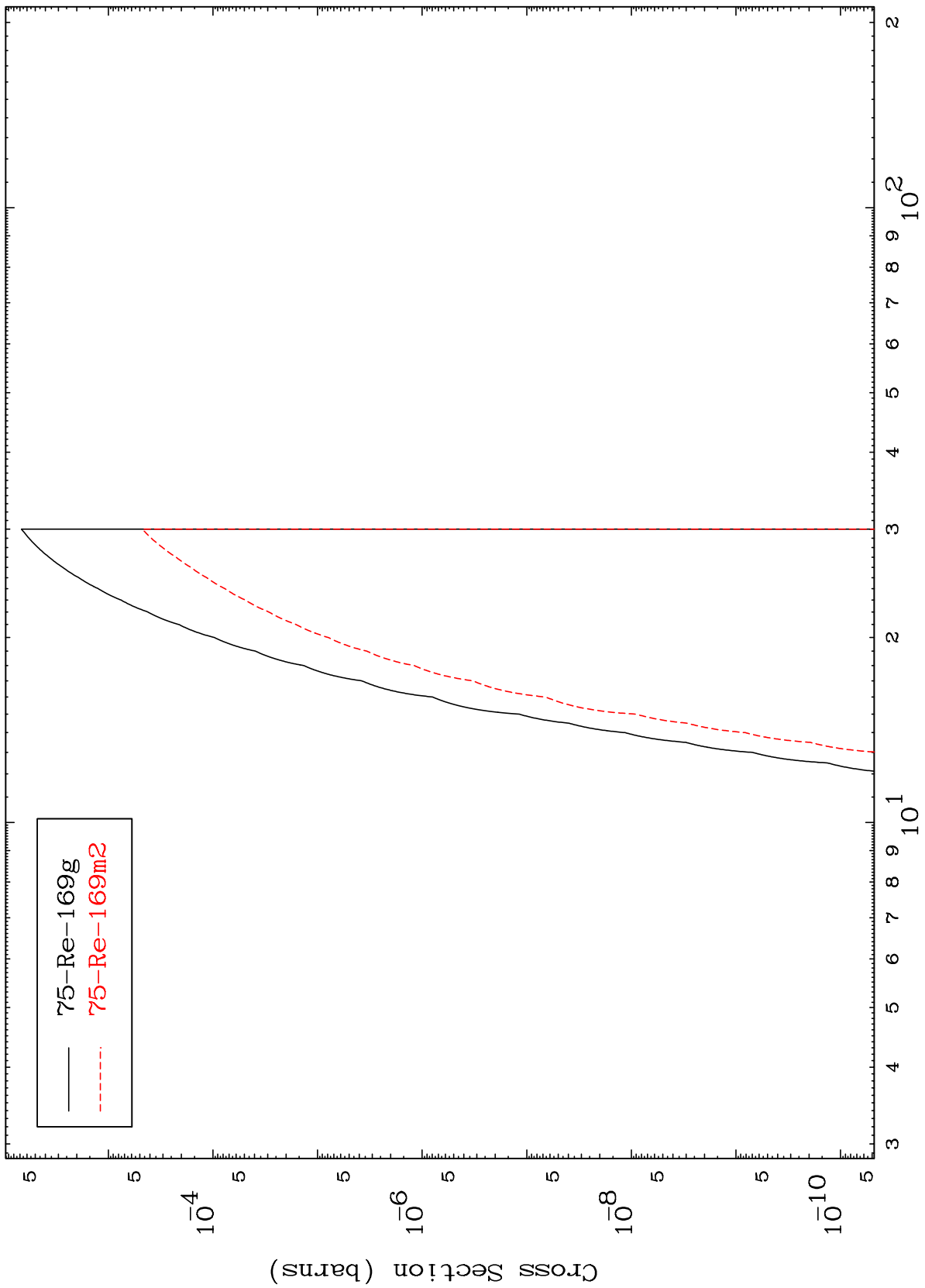


MAT 7669

(n,p) t

⁷⁷Ir-172

Radionuclide Production Cross Section



— 75-Re-169g
- - - 75-Re-169m2

26

Incident Energy (MeV)

⁷⁷Ir-172