

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

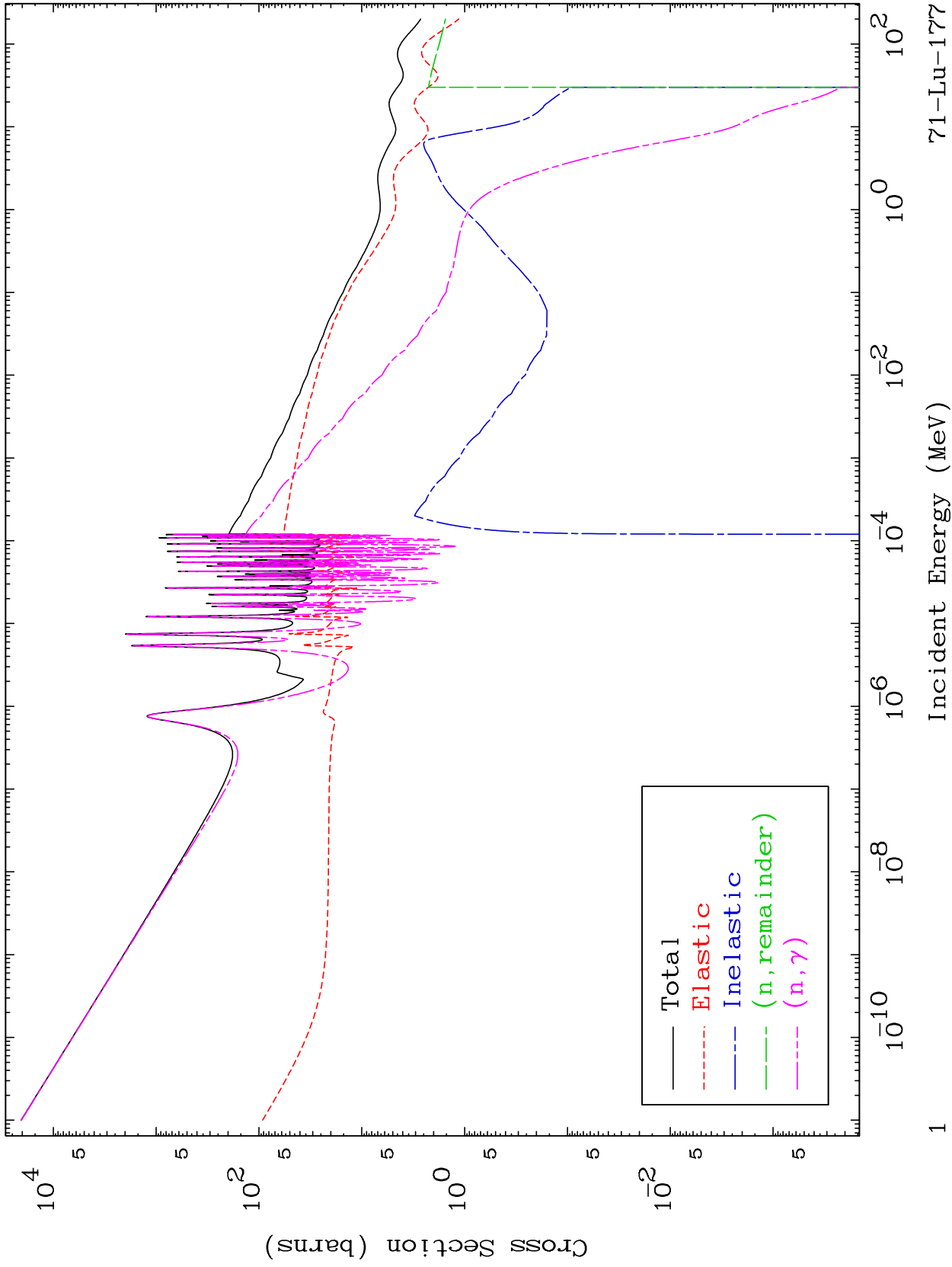
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7132

Major
293 Kelvin Cross Sections

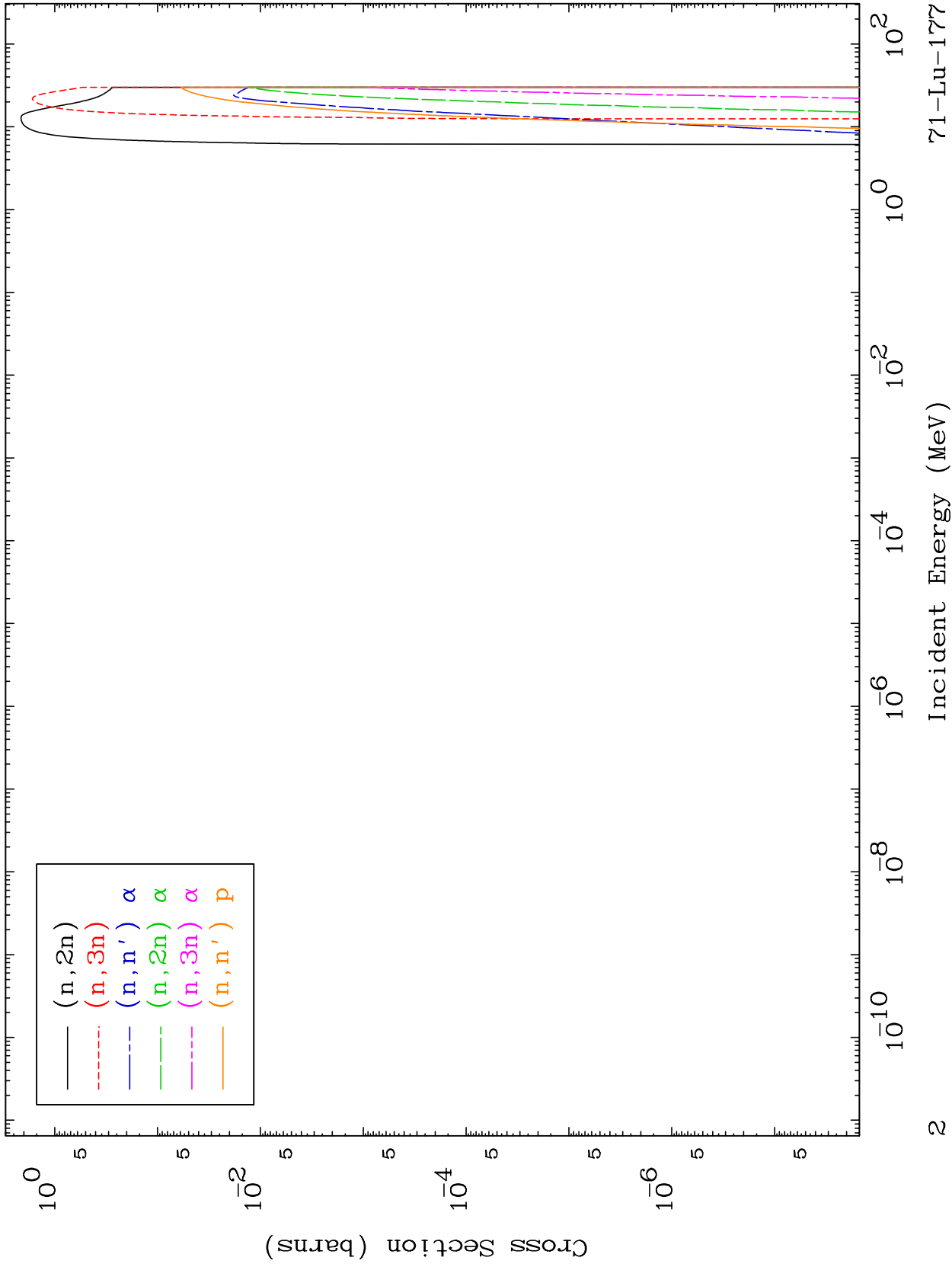
71-Lu-177

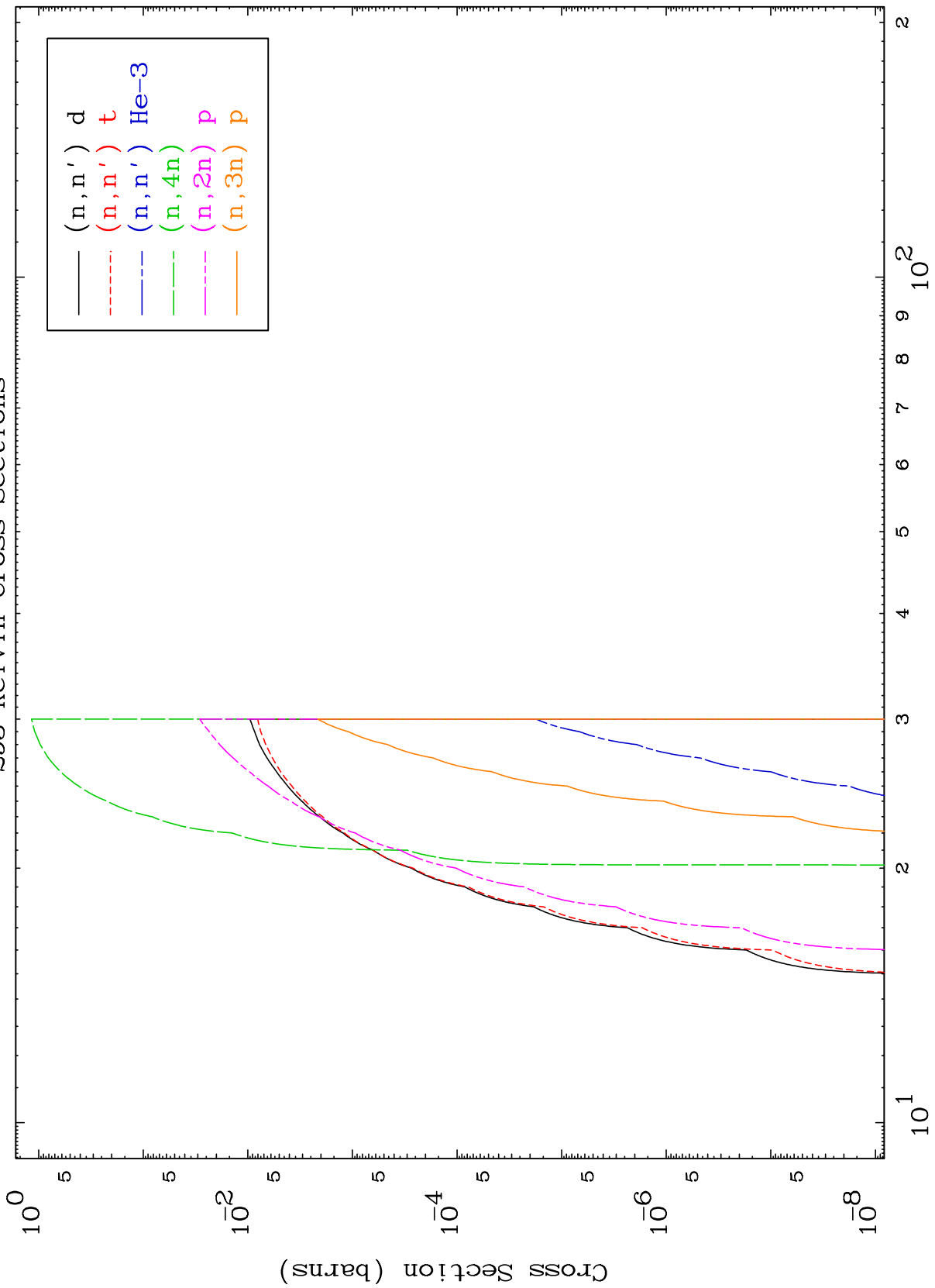


MAT 7132

Neutron Production
293 Kelvin Cross Sections

71-Lu-177

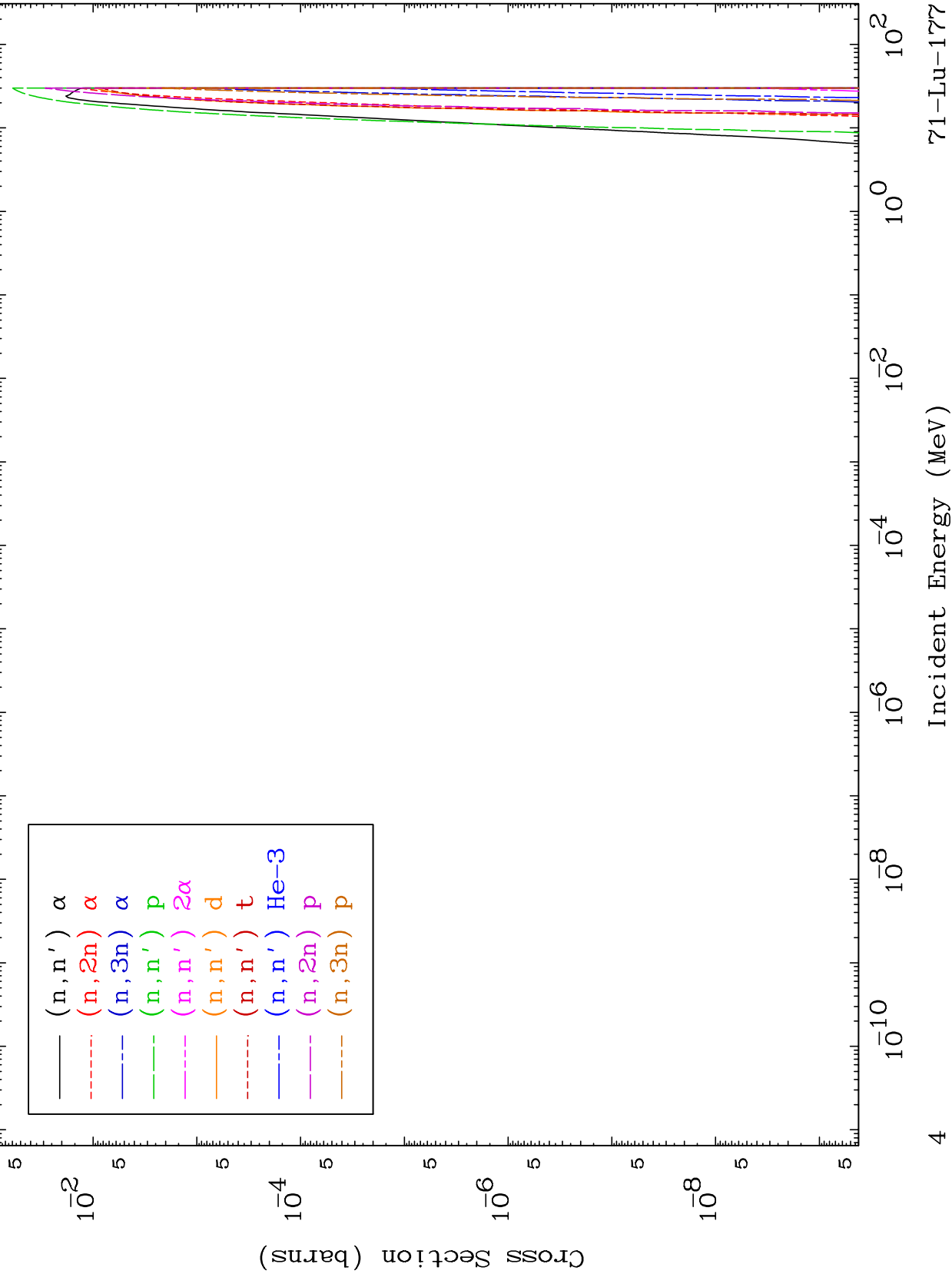


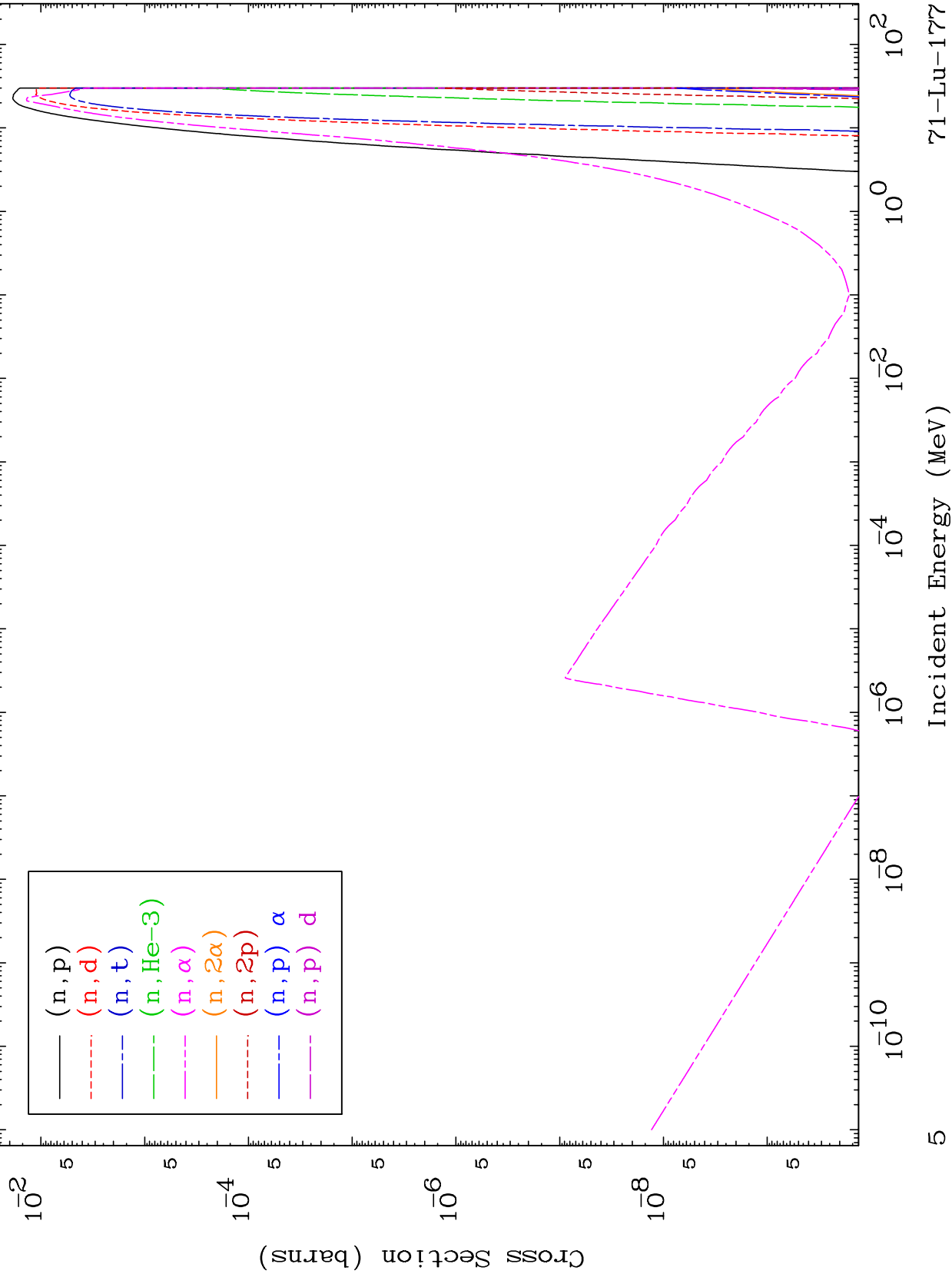


MAT 7132

Charged Particle
293 Kelvin Cross Sections

71-Lu-177

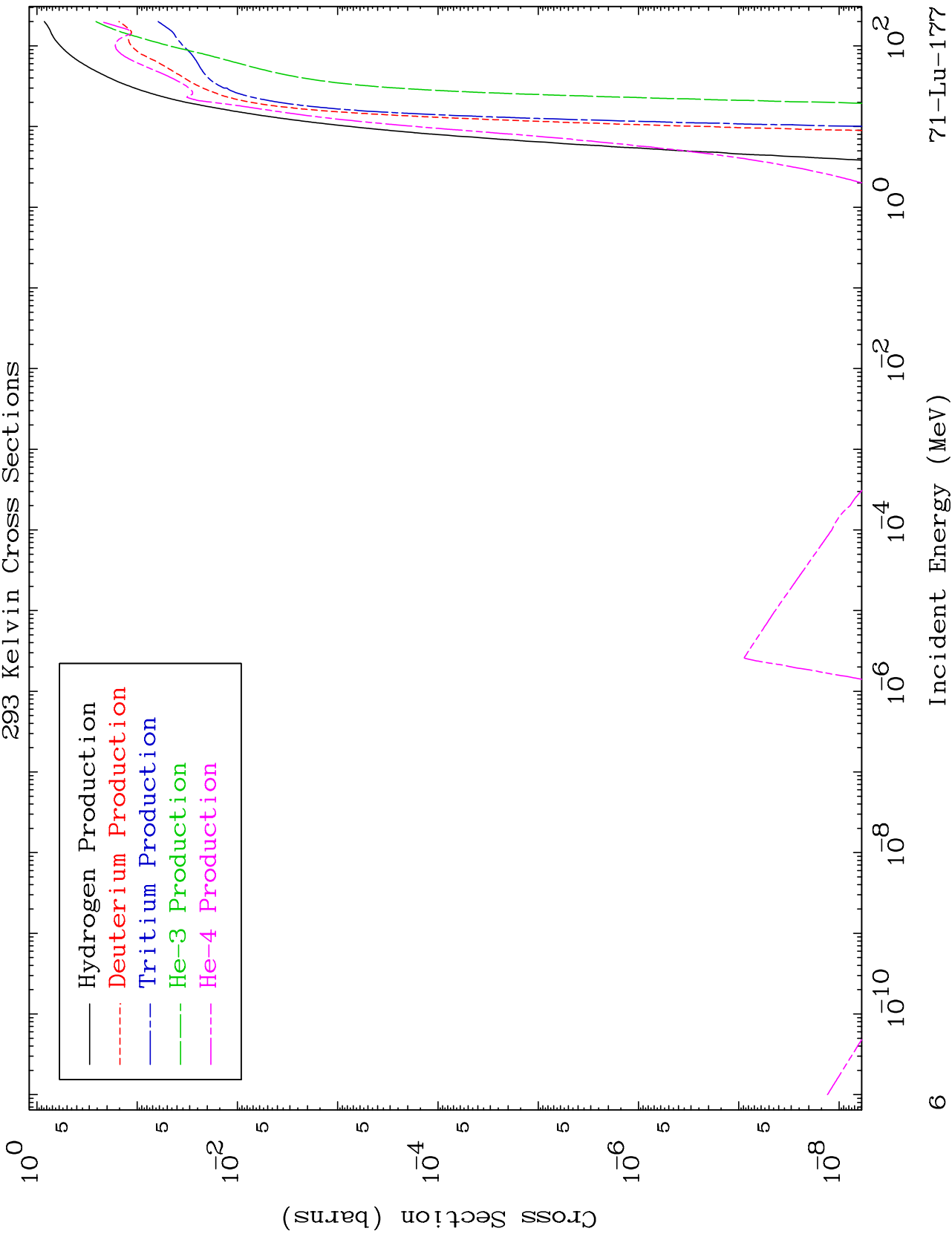


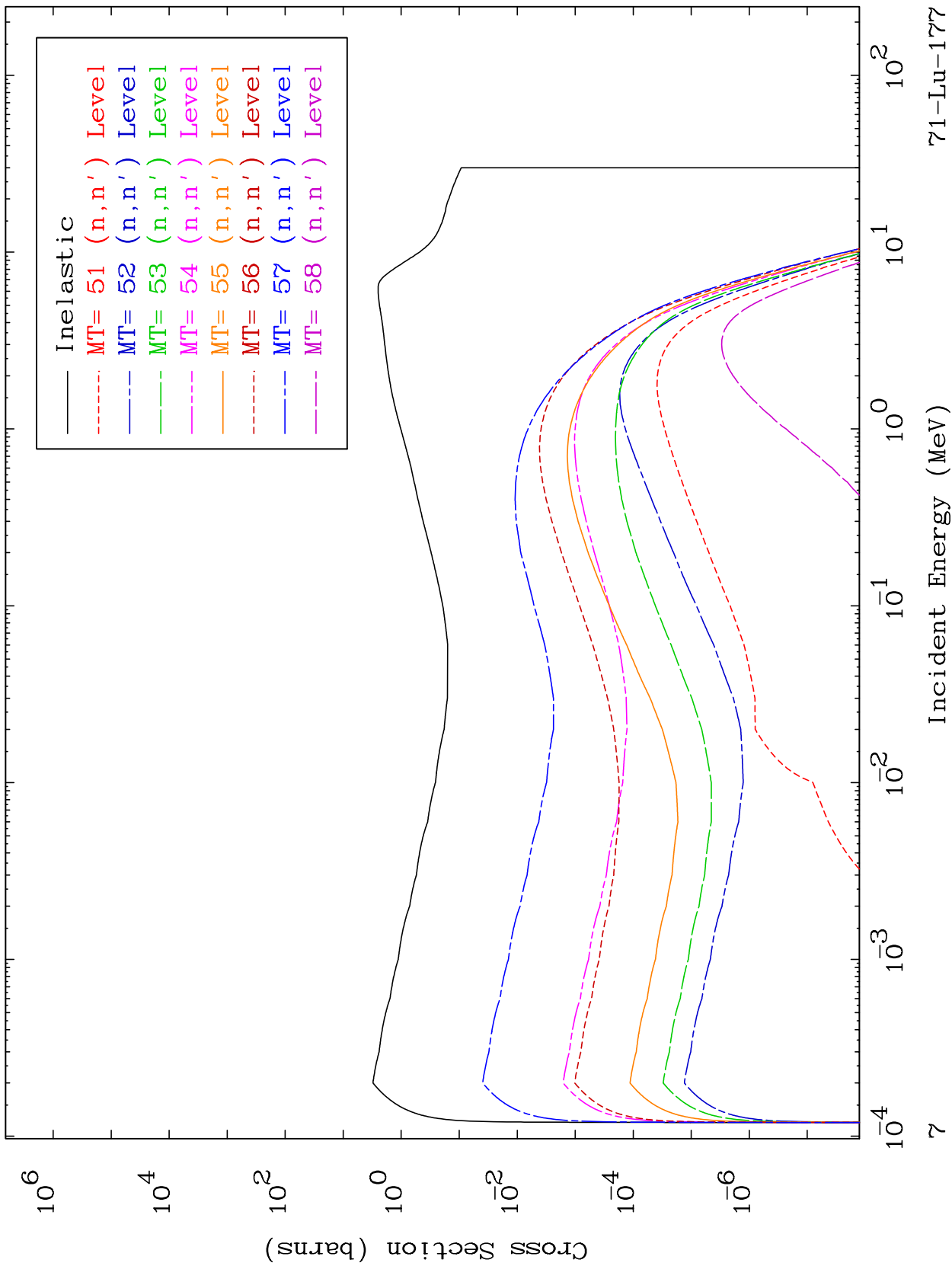


MAT 7132

Particle Production
293 Kelvin Cross Sections

71-Lu-177

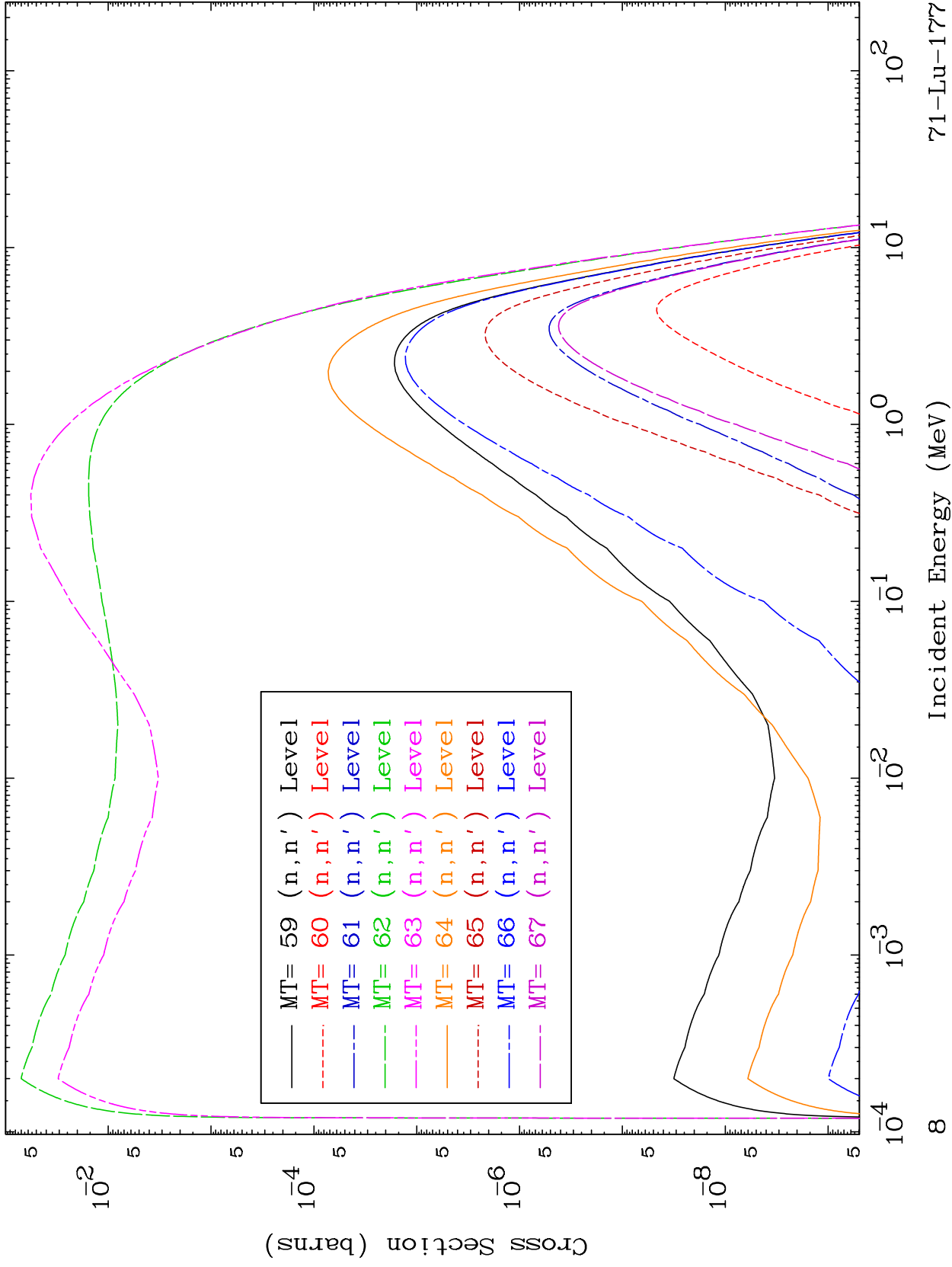




MAT 7132

293 (n,n') Level
Cross Sections

71-Lu-177



71-Lu-177

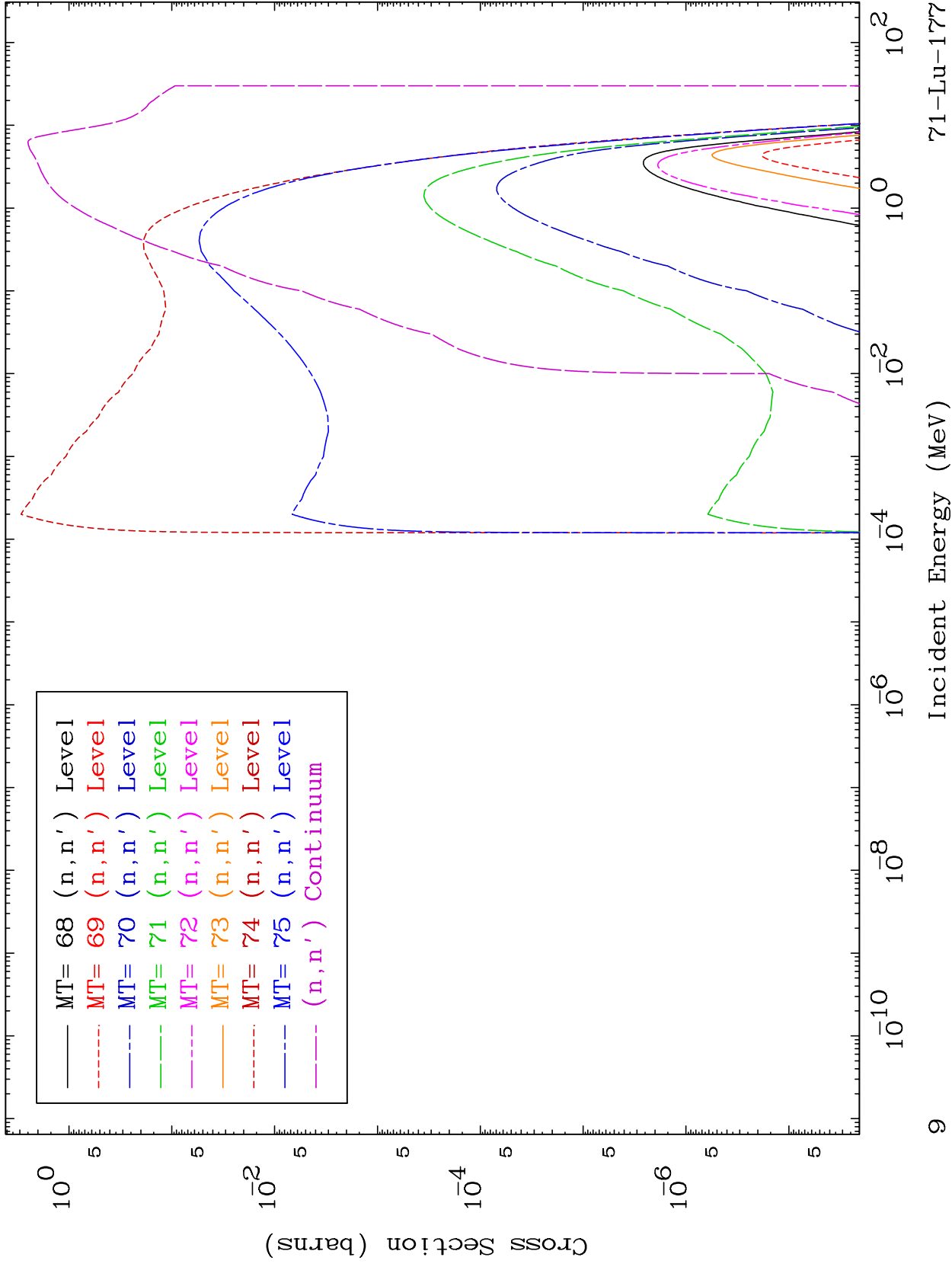
Incident Energy (MeV)

8

MAT 7132

293 (n,n') Level
Kelvin Cross Sections

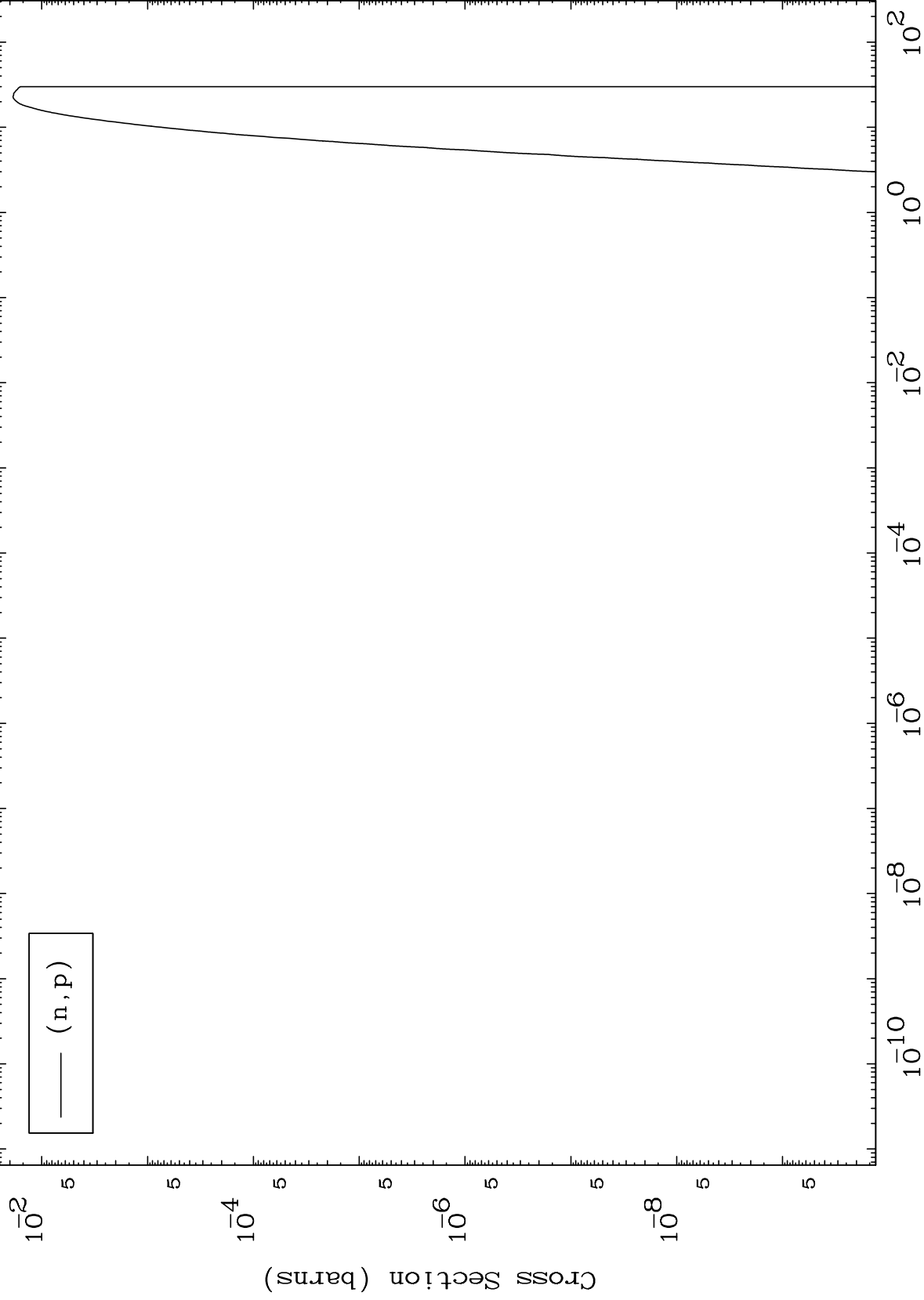
71-Lu-177



MAT 7132

(n,p) Levels
293 Kelvin Cross Sections

71-Lu-177



(n,p)

10

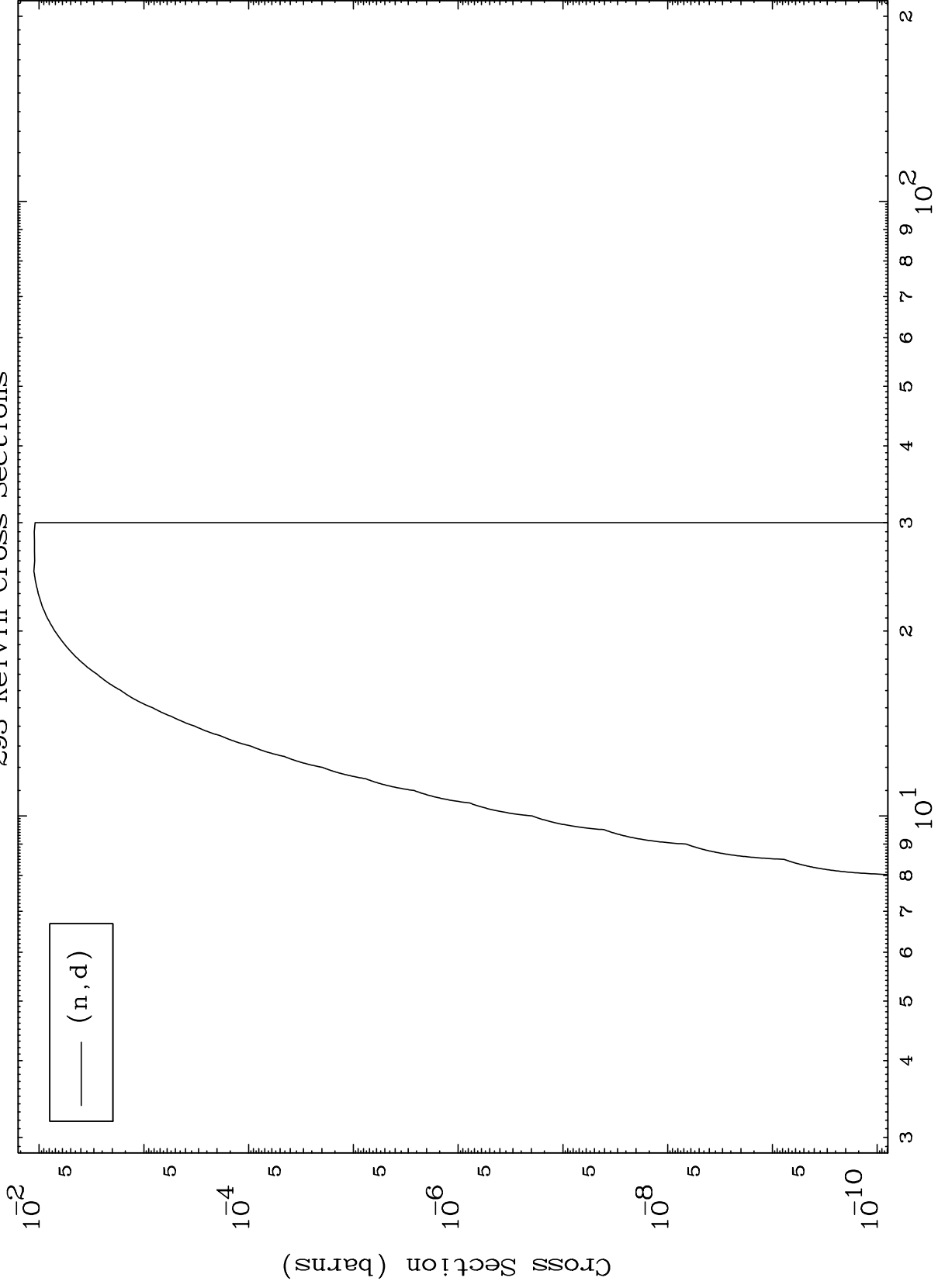
Incident Energy (MeV)

71-Lu-177

MAT 7132

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-177



Incident Energy (MeV)

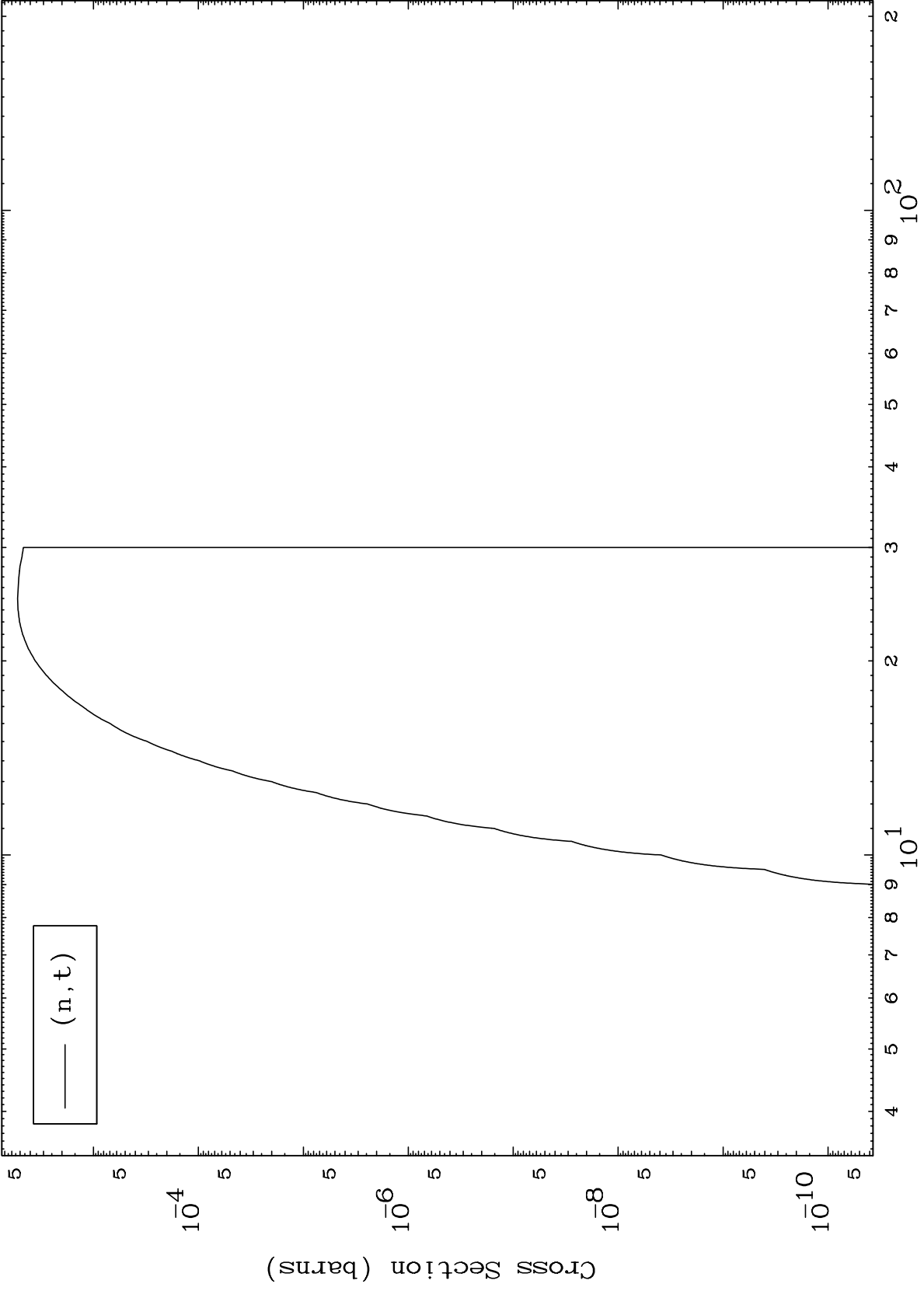
71-Lu-177

11

MAT 7132

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-177



12

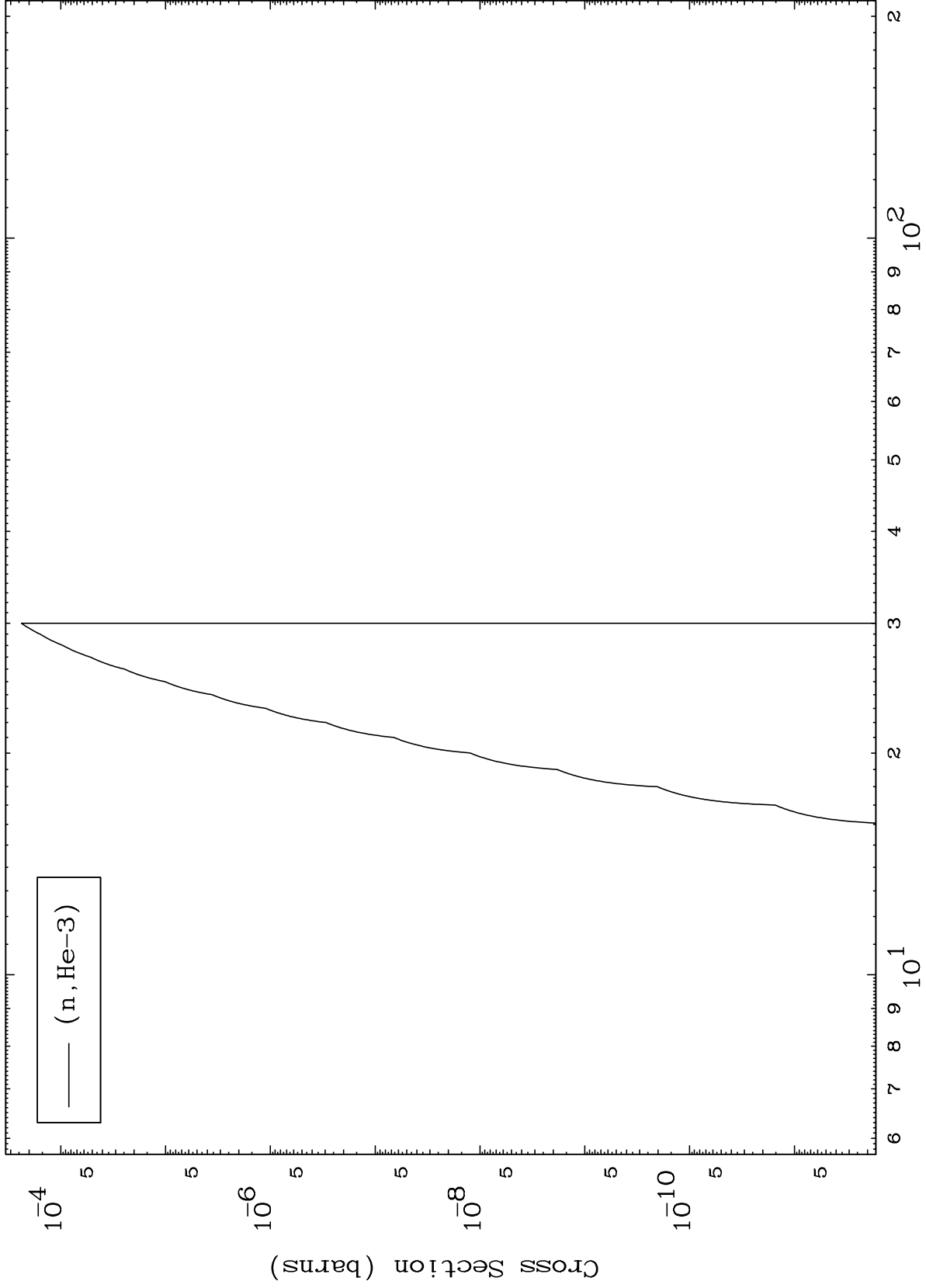
Incident Energy (MeV)

71-Lu-177

MAT 7132

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-177



13

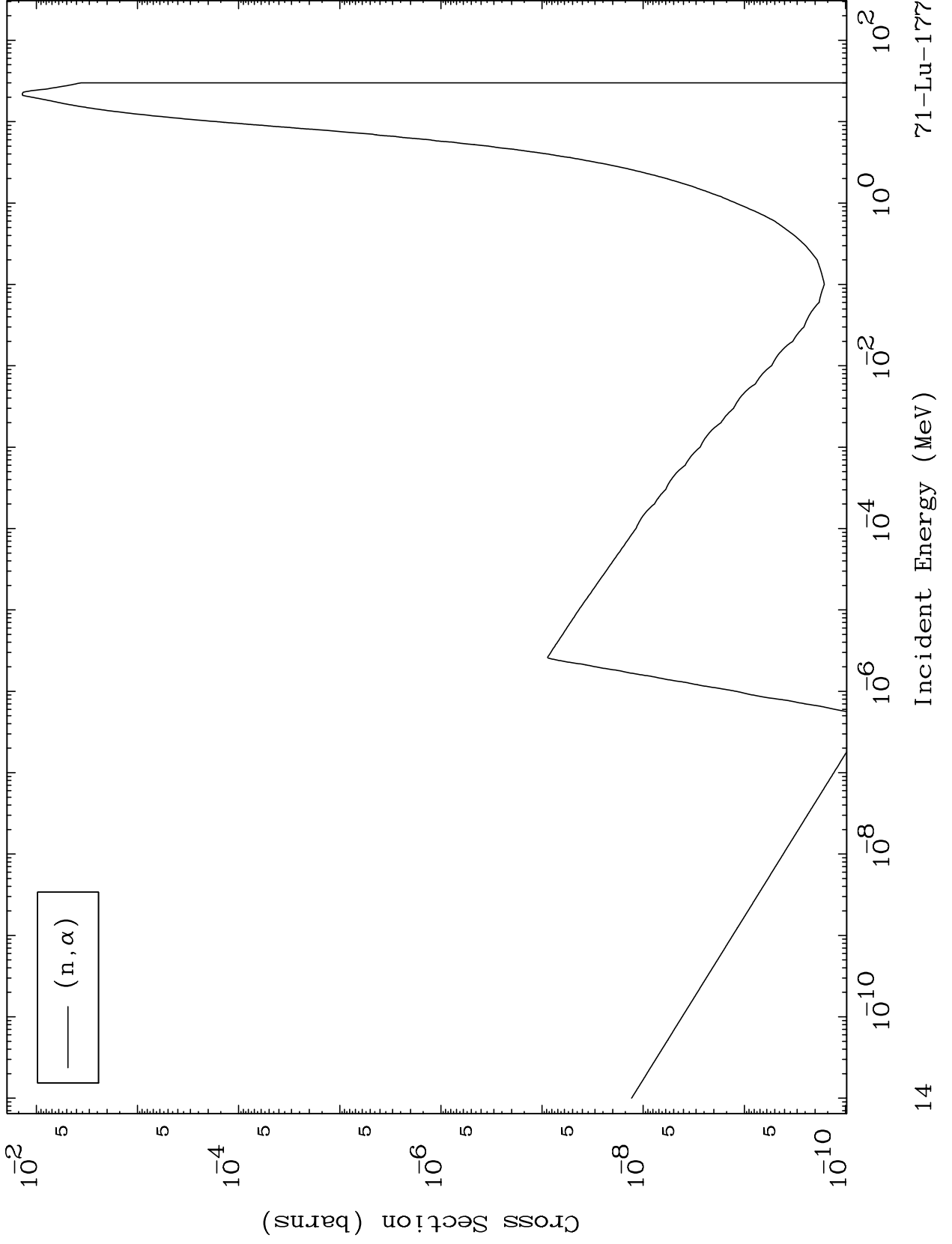
Incident Energy (MeV)

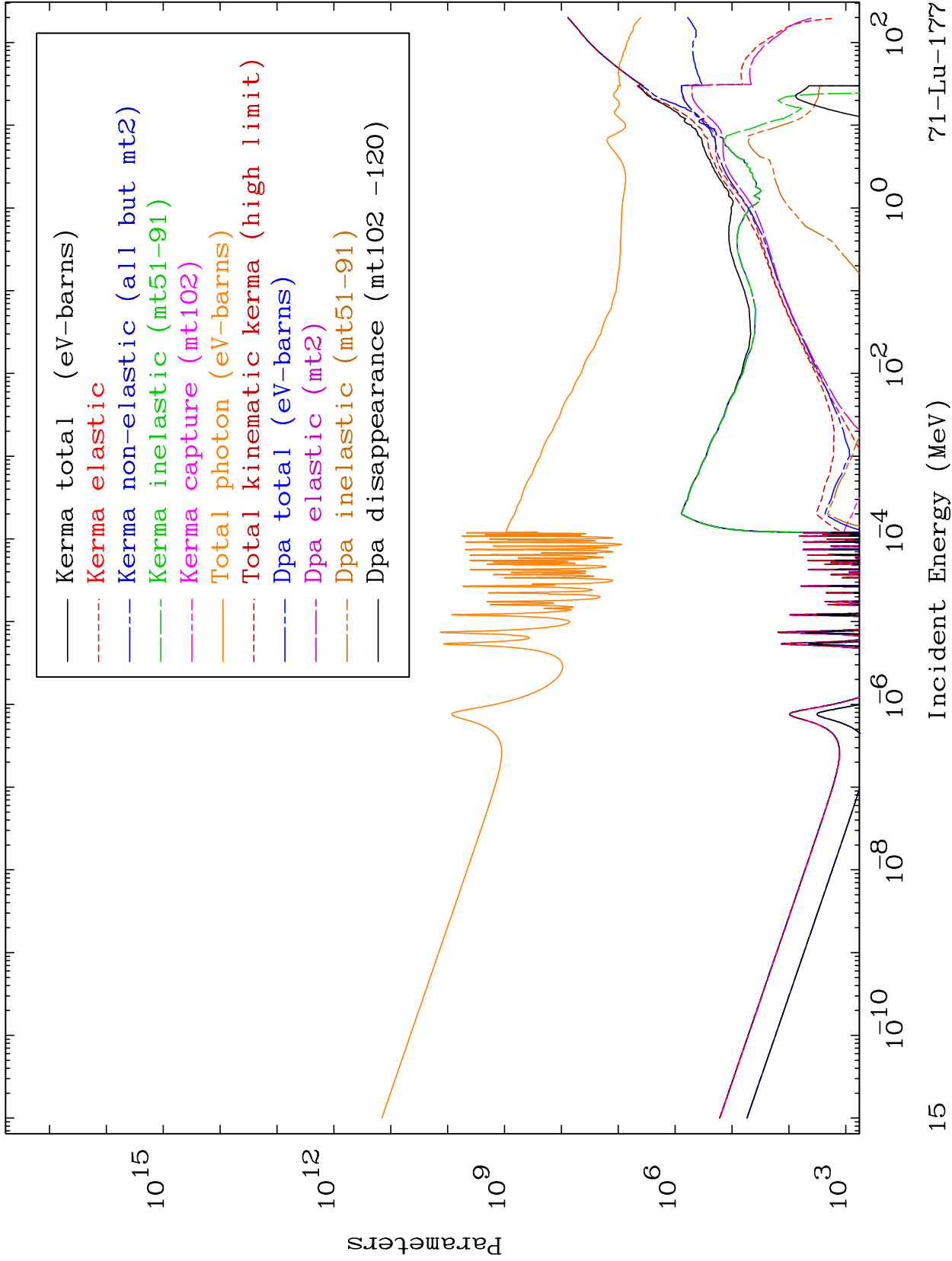
71-Lu-177

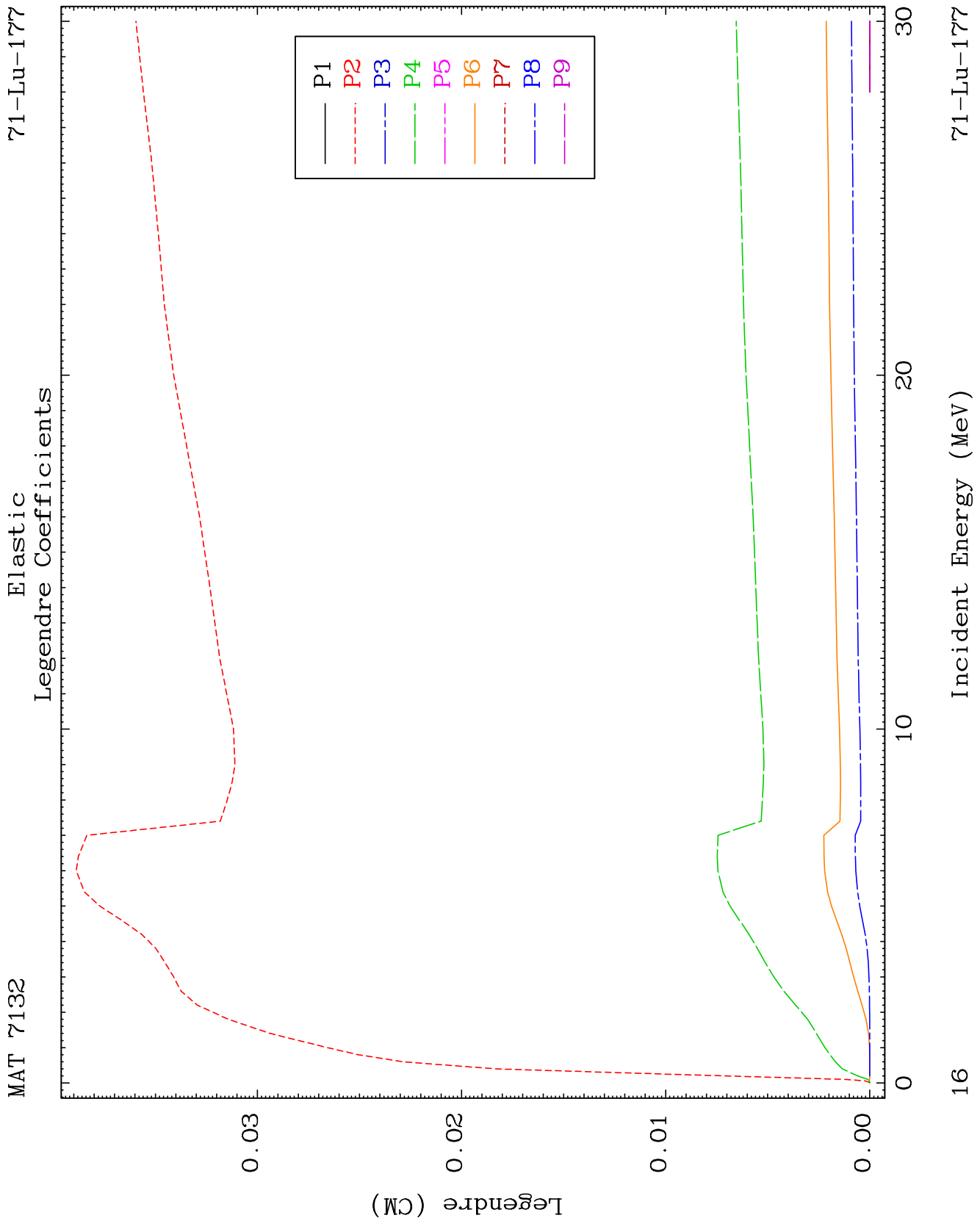
MAT 7132

(n, α) Levels
293 Kelvin Cross Sections

71-Lu-177



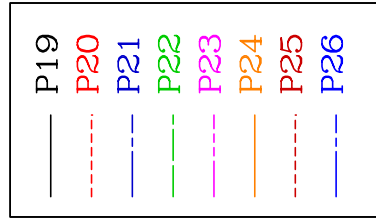




MAT 7132

Elastic
Legendre Coefficients

71-Lu-177



$\times 10^{-6}$

Legendre (CM)

6

4

2

0

15

20

25

30

18

Incident Energy (MeV)

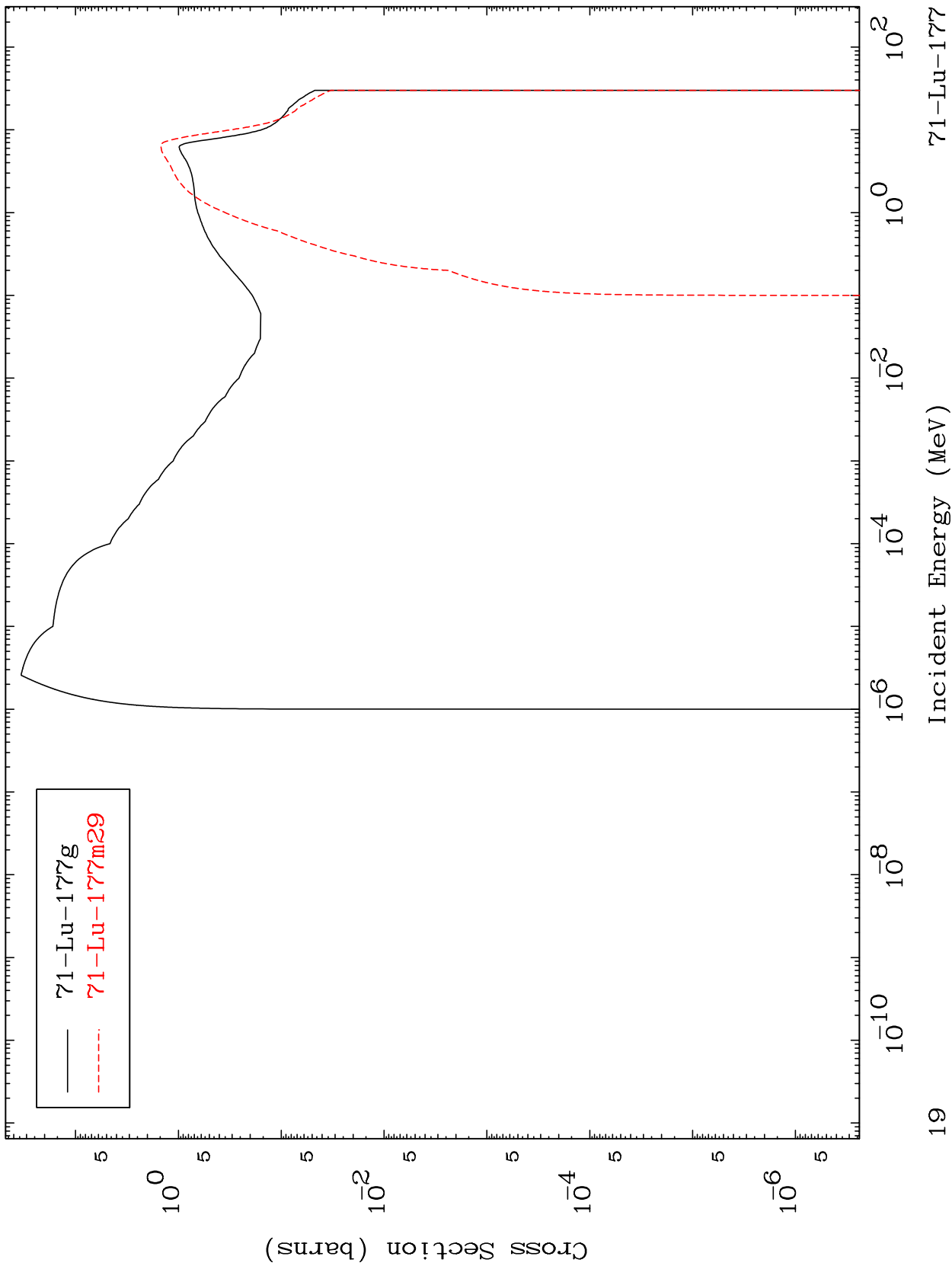
71-Lu-177



MAT 7132

71-Lu-177

Inelastic
Radionuclide Production Cross Section

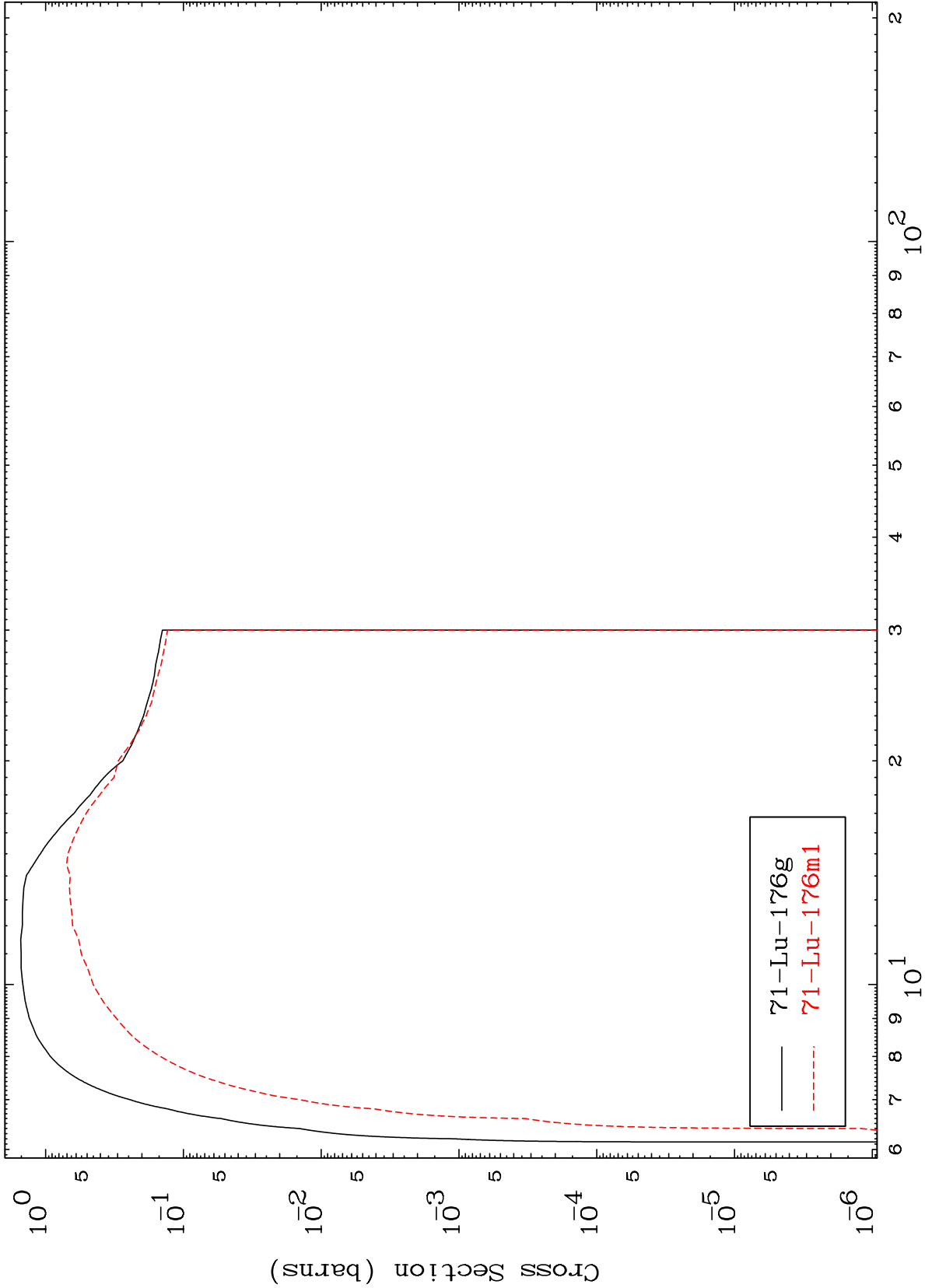


MAT 7132

(n,2n)

⁷¹Lu-177

Radionuclide Production Cross Section



Incident Energy (MeV)

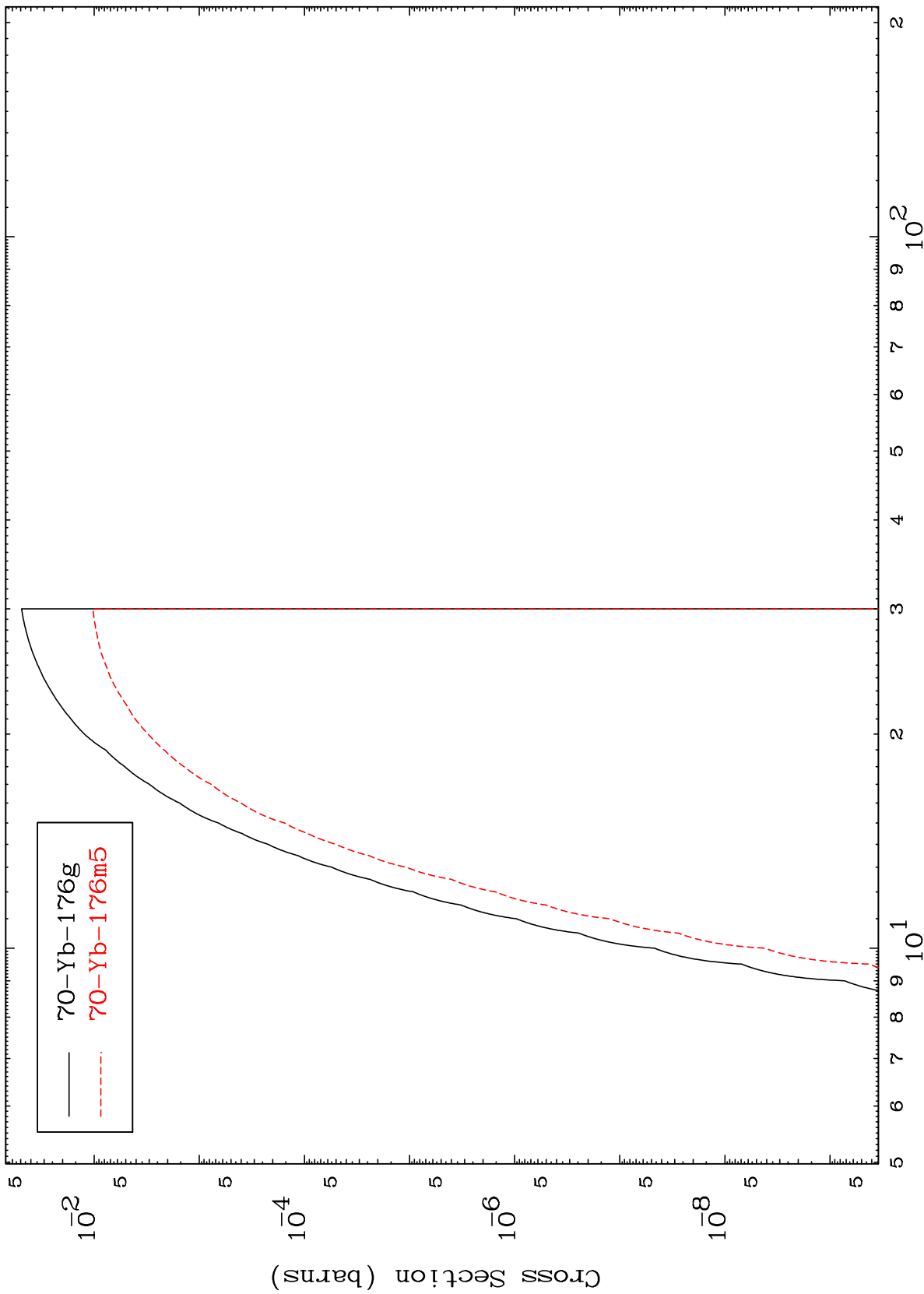
⁷¹Lu-177

20

MAT 7132

71-Lu-177

(n,n') p
Radionuclide Production Cross Section



71-Lu-177

Incident Energy (MeV)

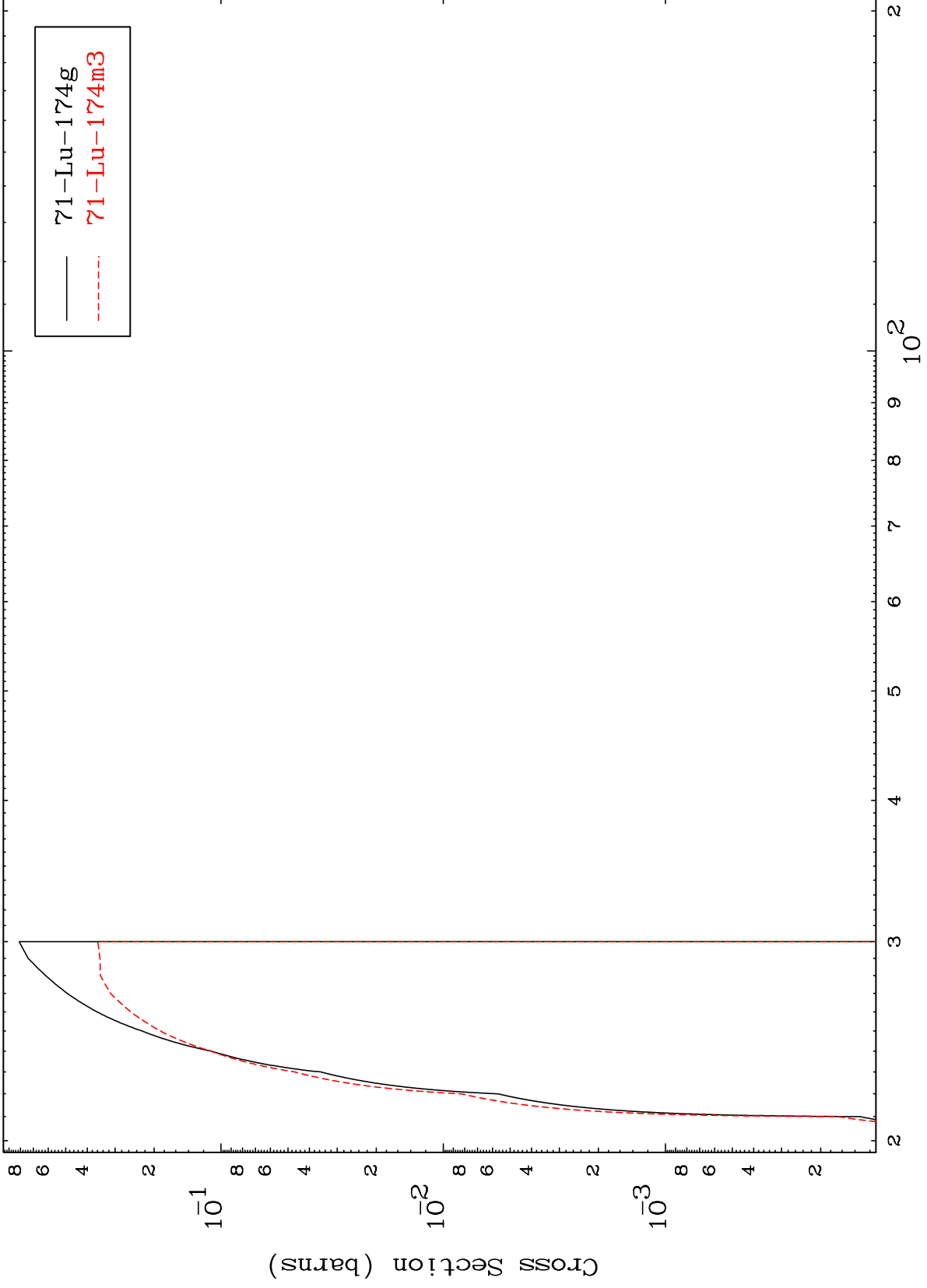
21

MAT 7132

(n,4n)

⁷¹Lu-177

Radionuclide Production Cross Section



22

Incident Energy (MeV)

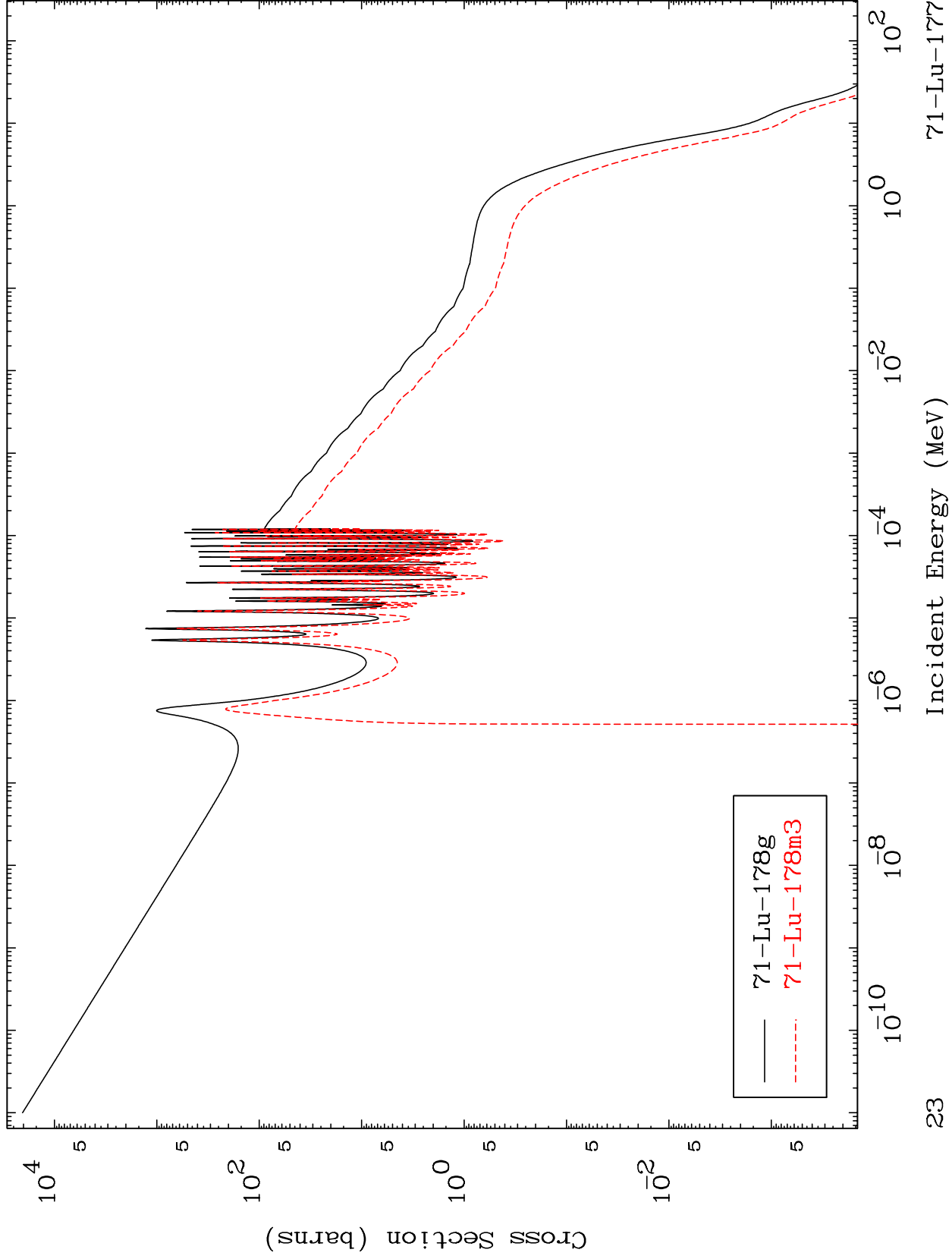
⁷¹Lu-177

MAT 7132

(n, γ)

⁷¹Lu-177

Radionuclide Production Cross Section

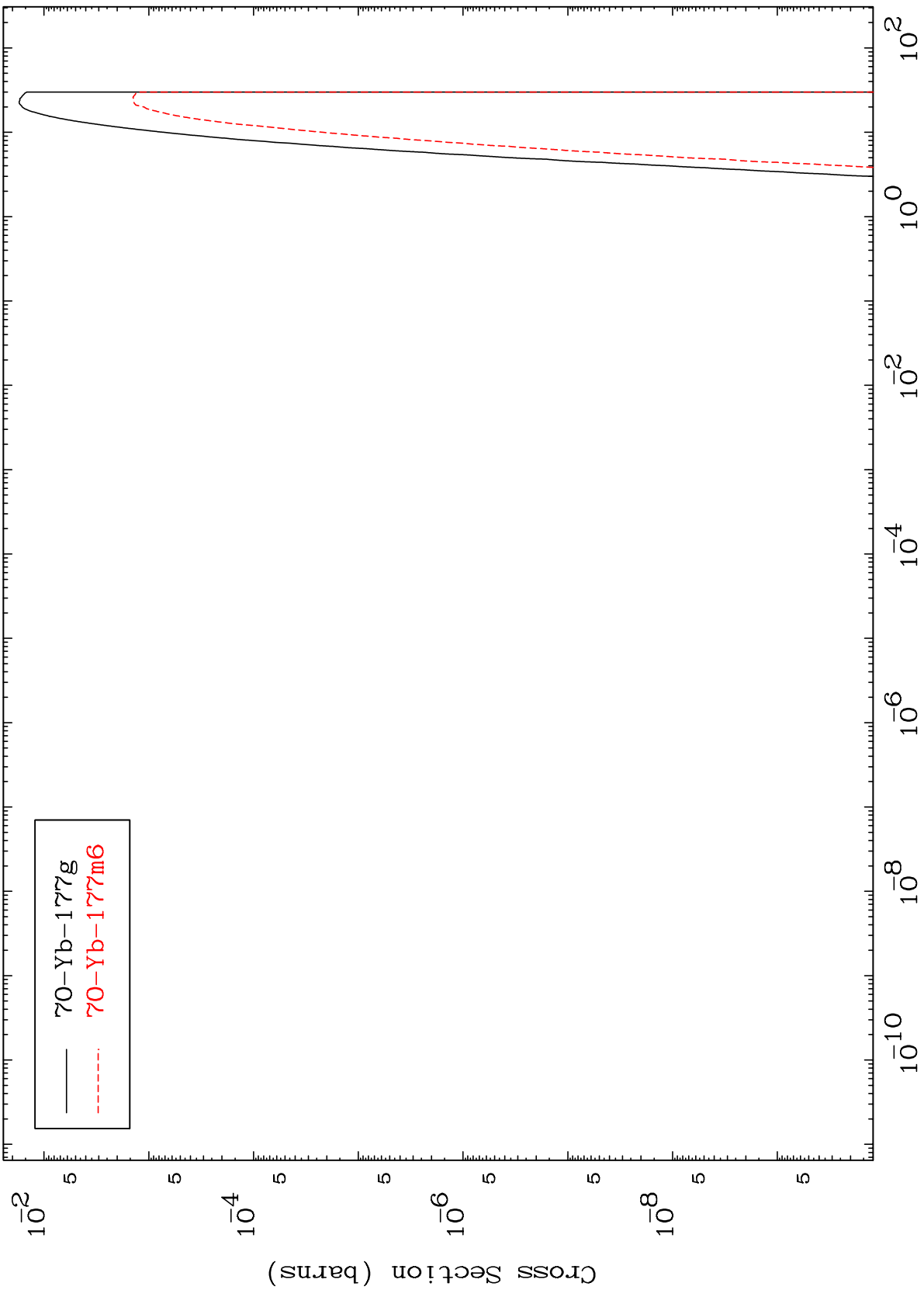


MAT 7132

(n,p)

⁷¹Lu-177

Radionuclide Production Cross Section

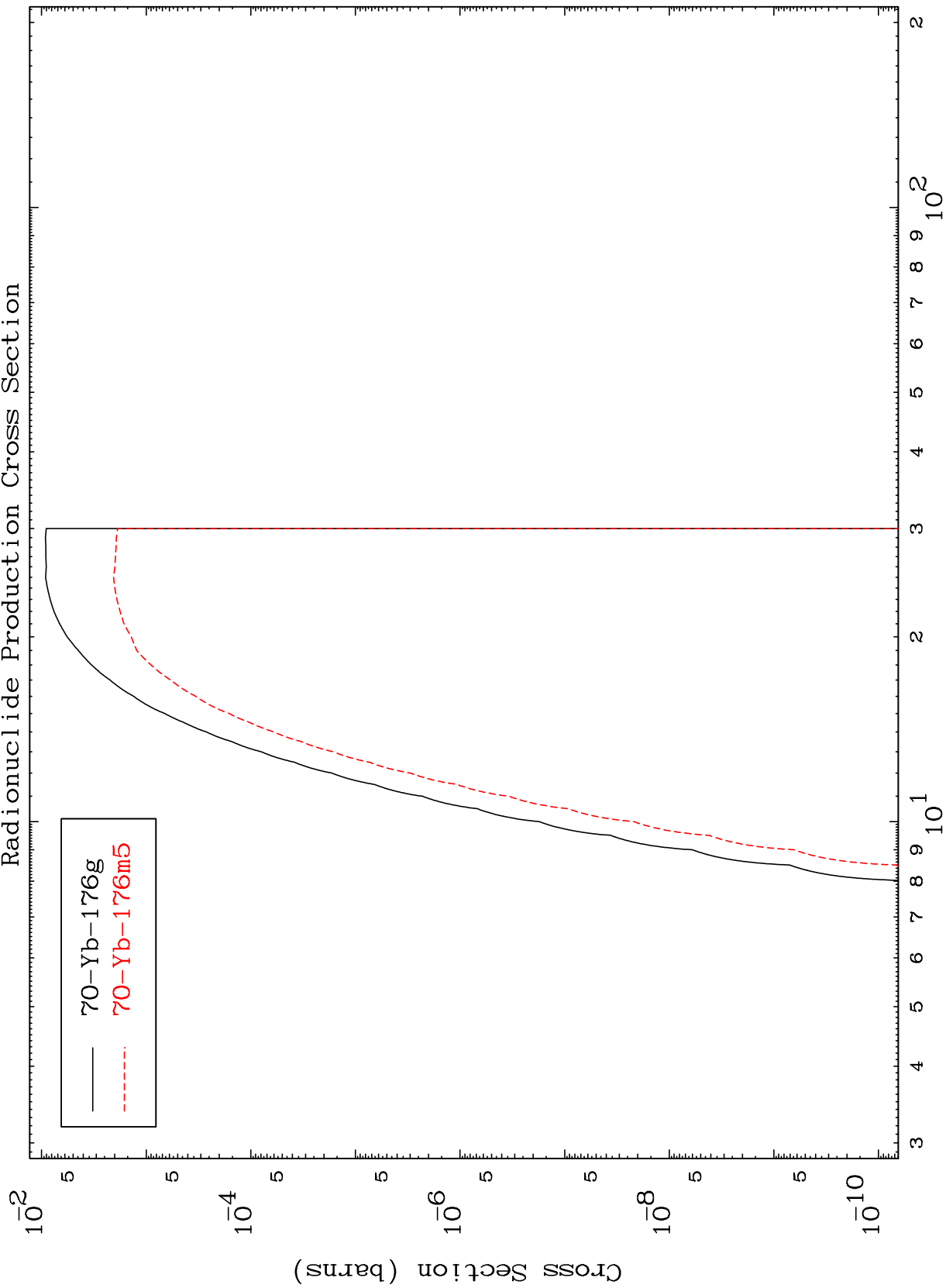


MAT 7132

(n, d)

⁷¹Lu-177

Radionuclide Production Cross Section



Incident Energy (MeV)

⁷¹Lu-177

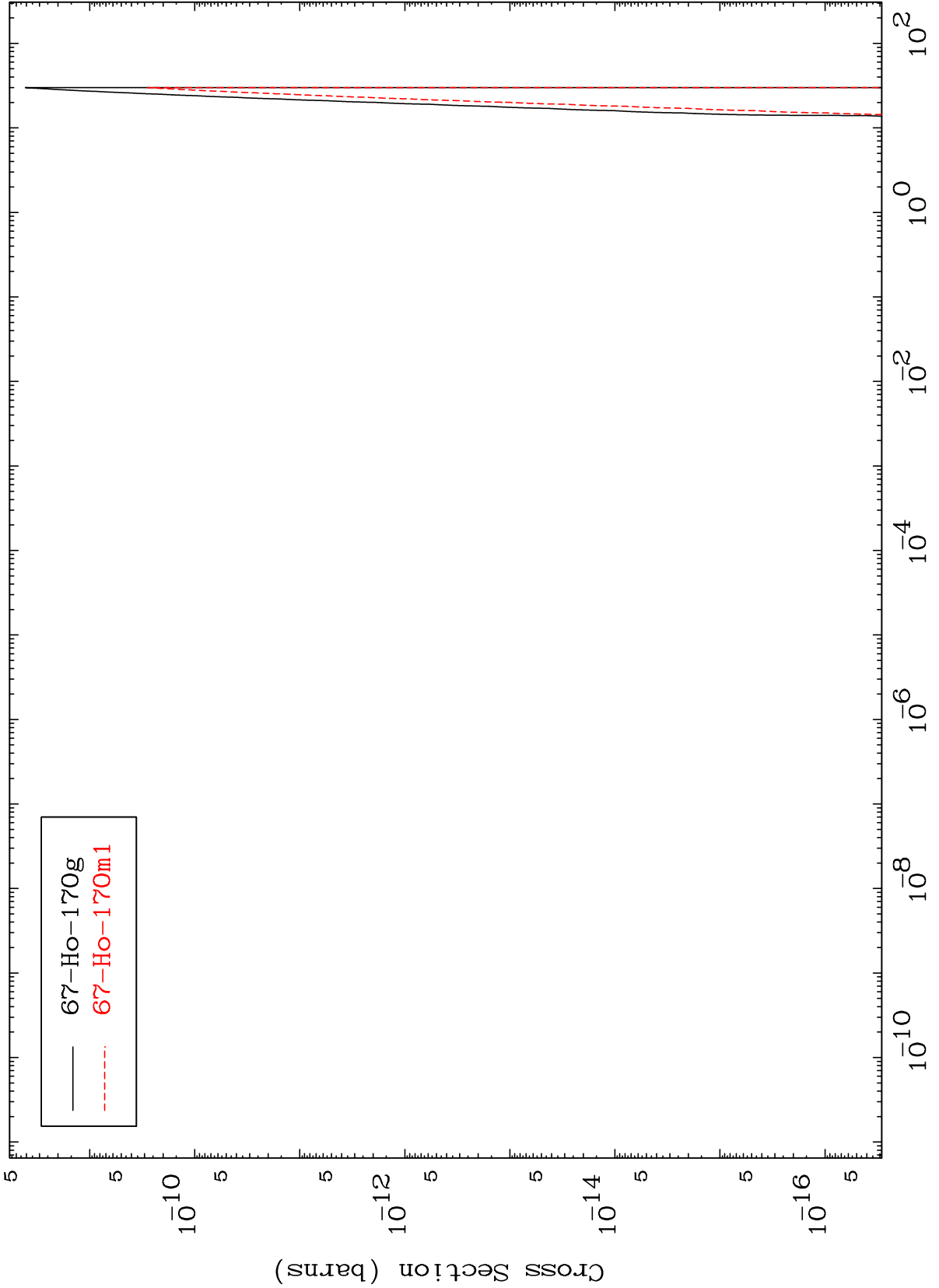
25

MAT 7132

(n,2α)

⁷¹Lu-177

Radionuclide Production Cross Section



— 67-Ho-170g
- - - 67-Ho-170m1

Incident Energy (MeV)

⁷¹Lu-177

26