

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

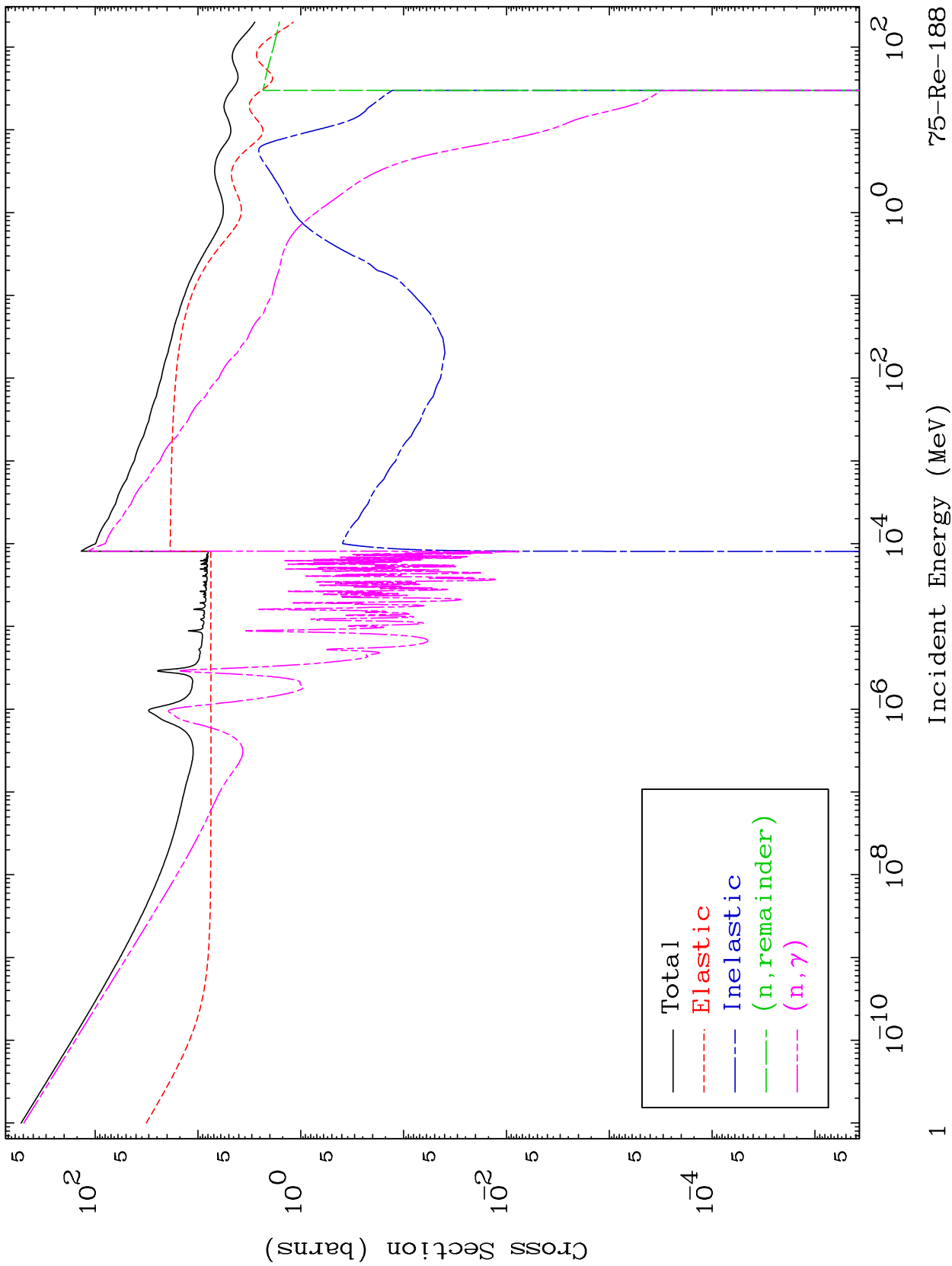
Press Mouse Button to Start

MAT 7535

Major

293 Kelvin Cross Sections

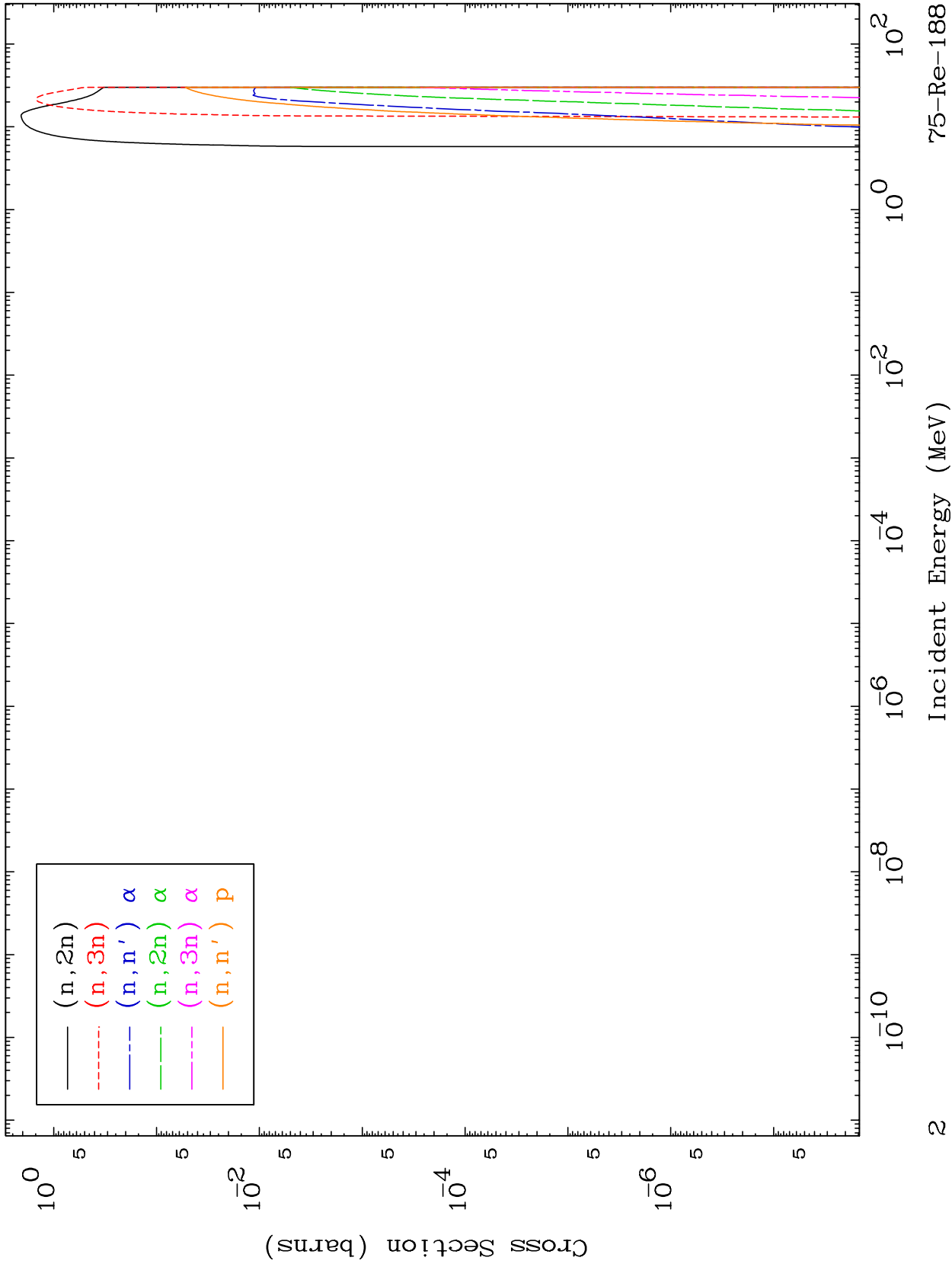
75-Re-188



MAT 7535

Neutron Production
293 Kelvin Cross Sections

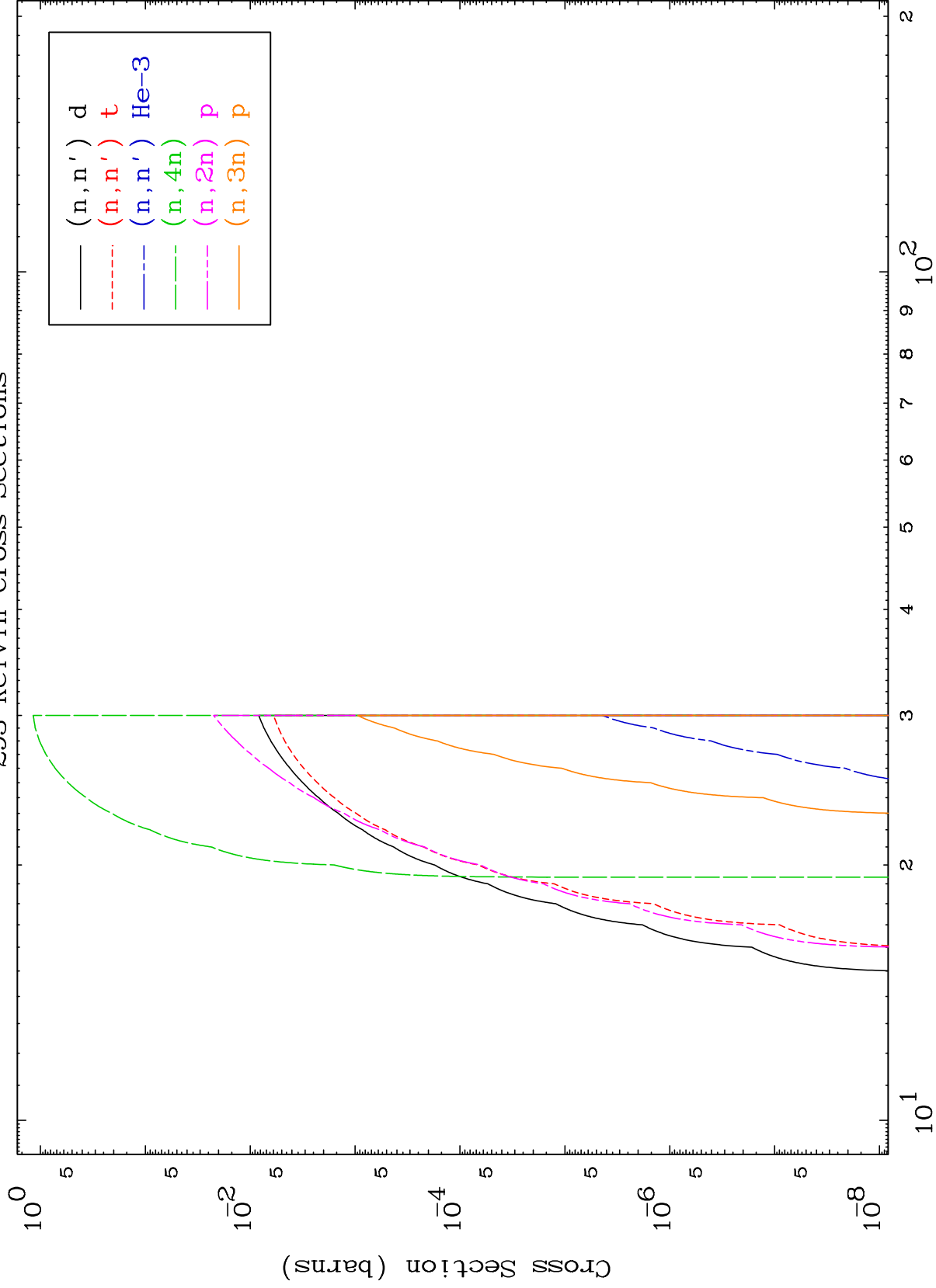
75-Re-188



MAT 7535

Neutron Production
293 Kelvin Cross Sections

75-Re-188



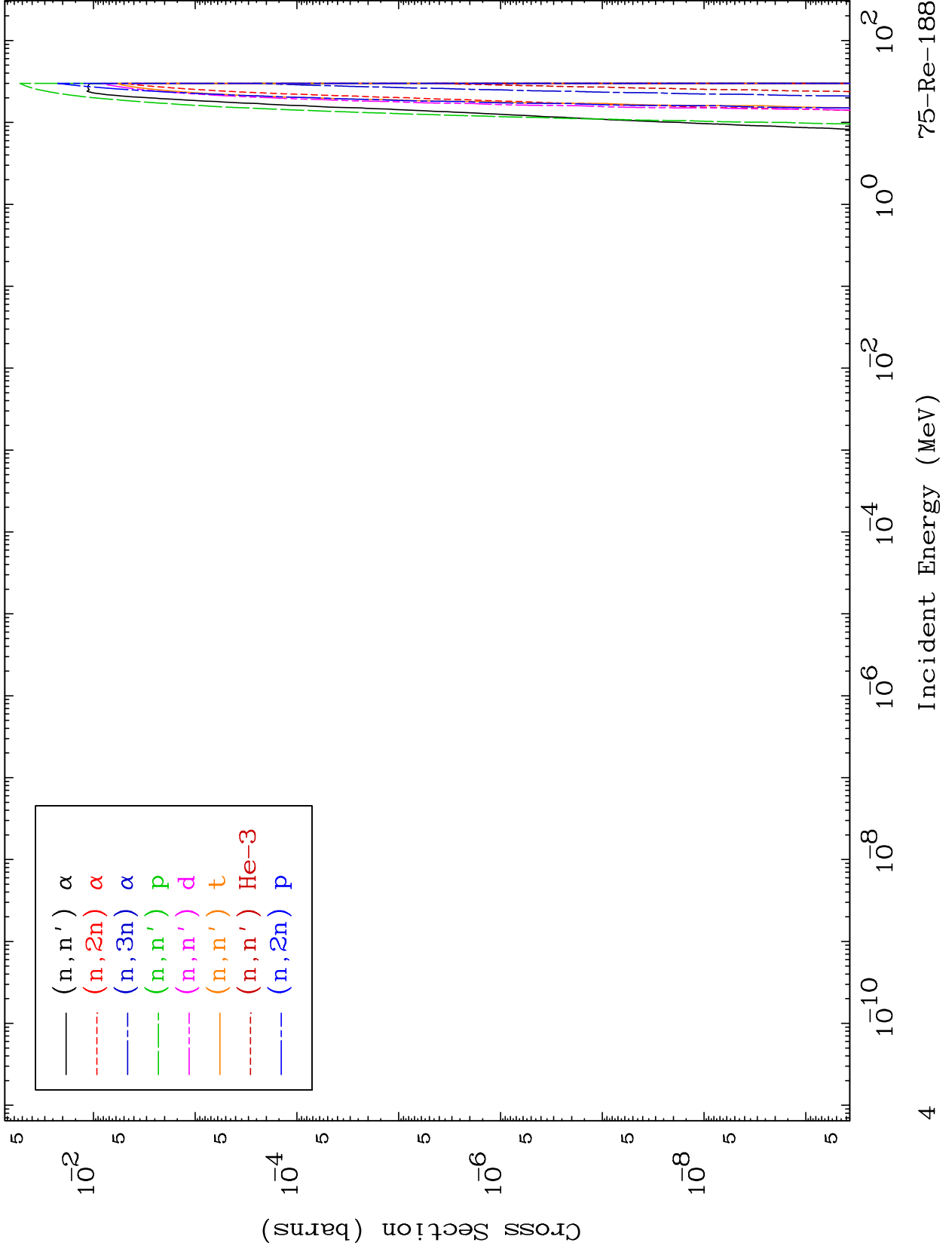
Incident Energy (MeV)

75-Re-188

MAT 7535

Charged Particle
293 Kelvin Cross Sections

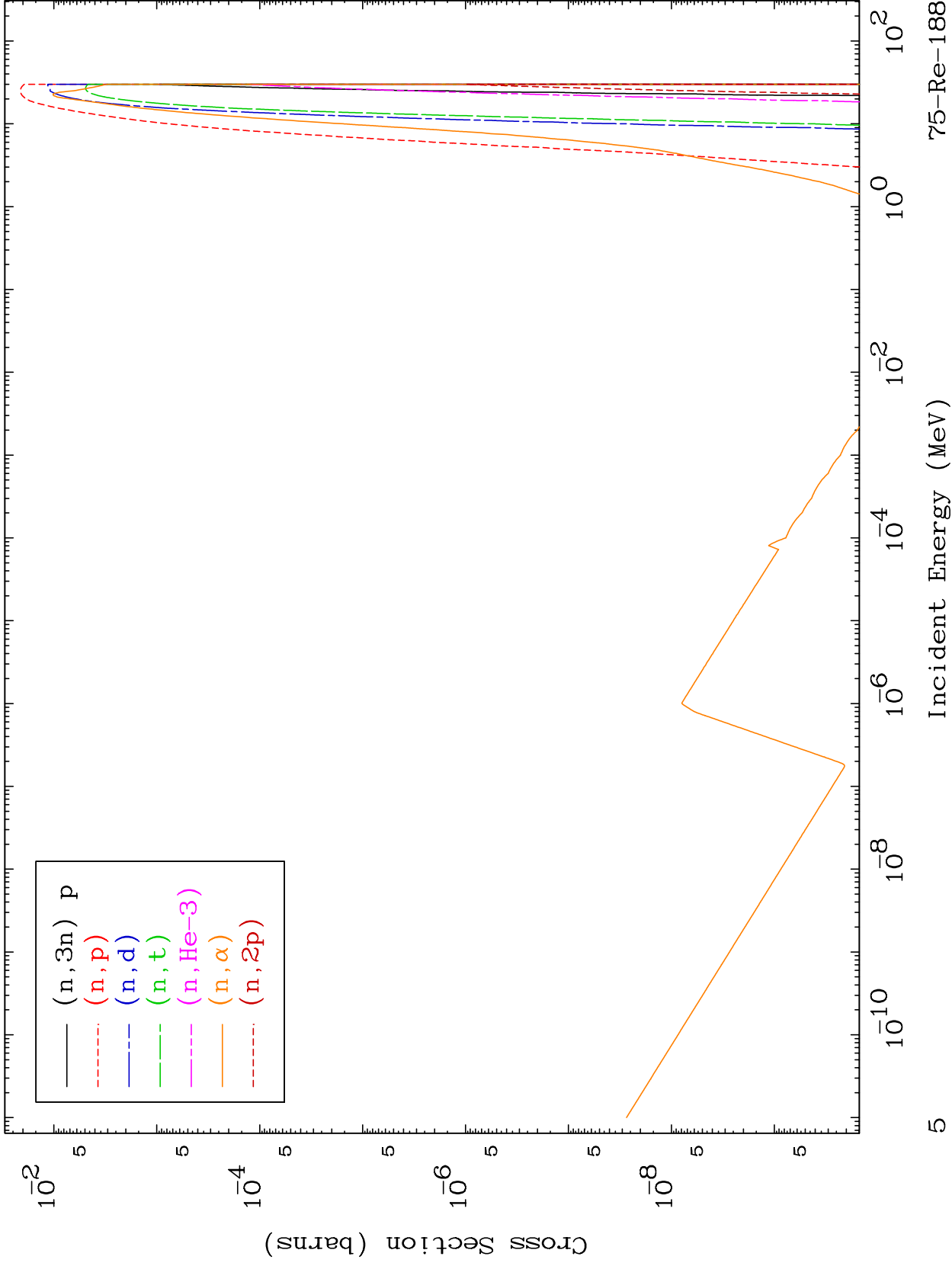
75-Re-188



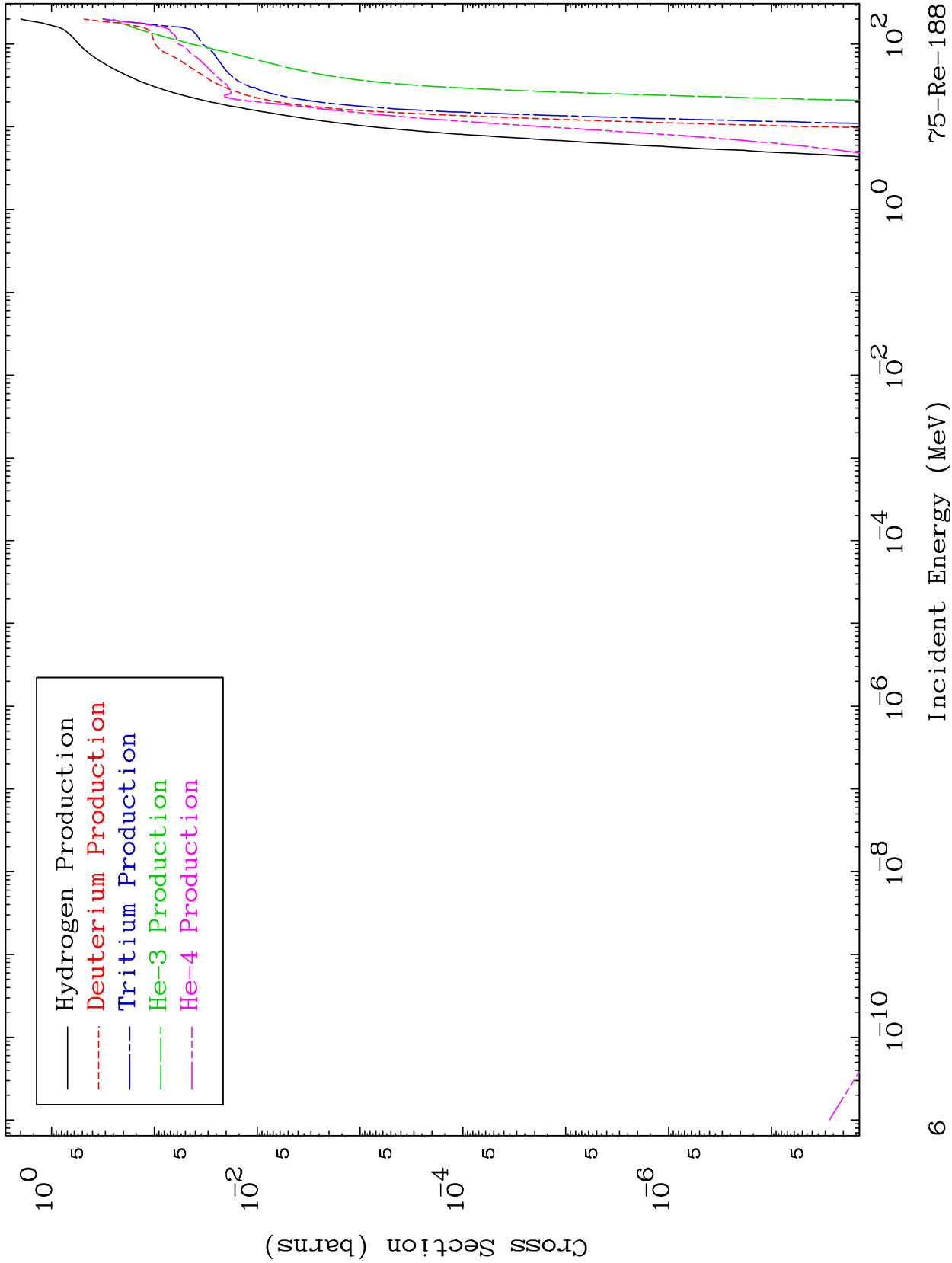
MAT 7535

Charged Particle
293 Kelvin Cross Sections

75-Re-188



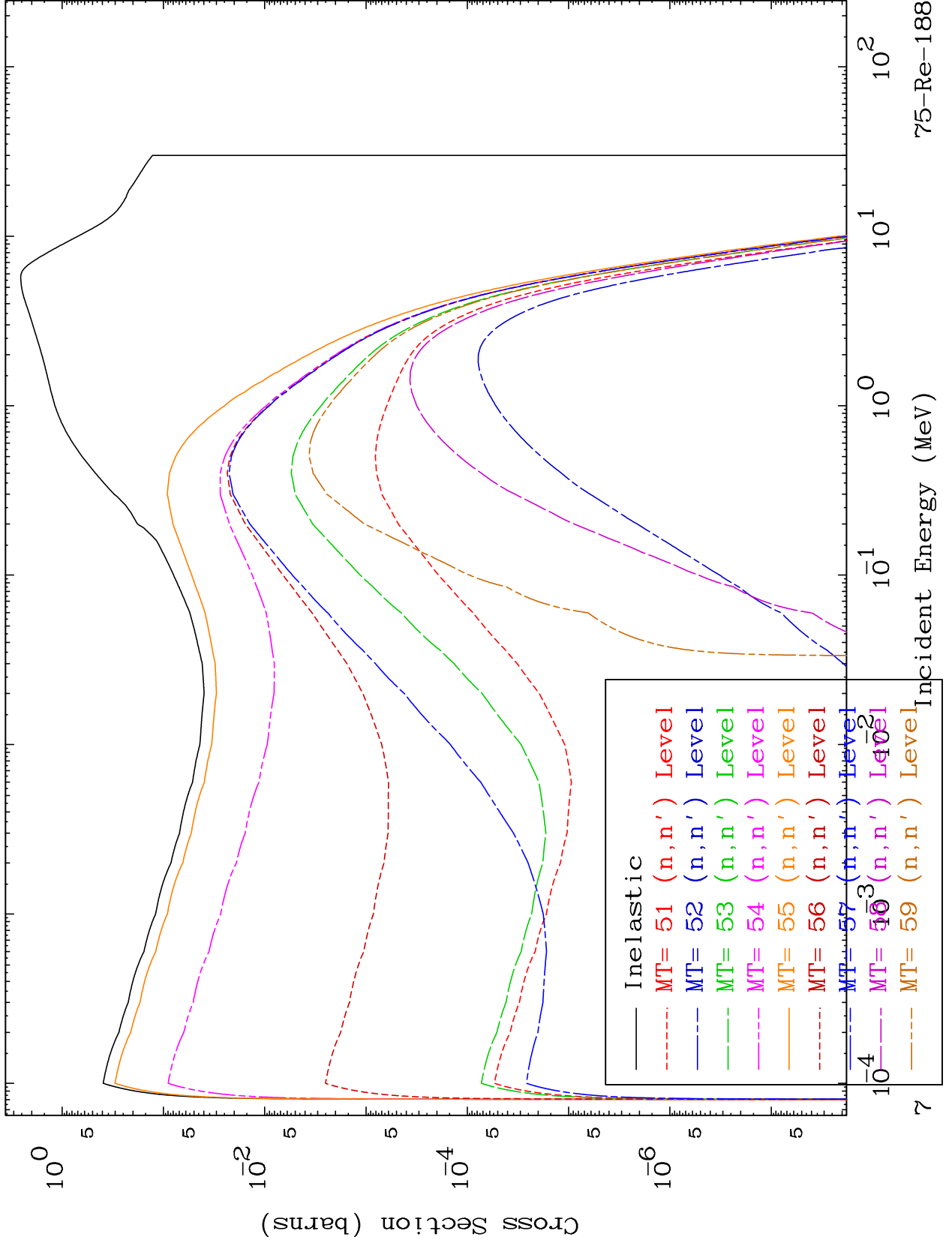
5



MAT 7535

(n,n') Level
293 Kelvin Cross Sections

75-Re-188

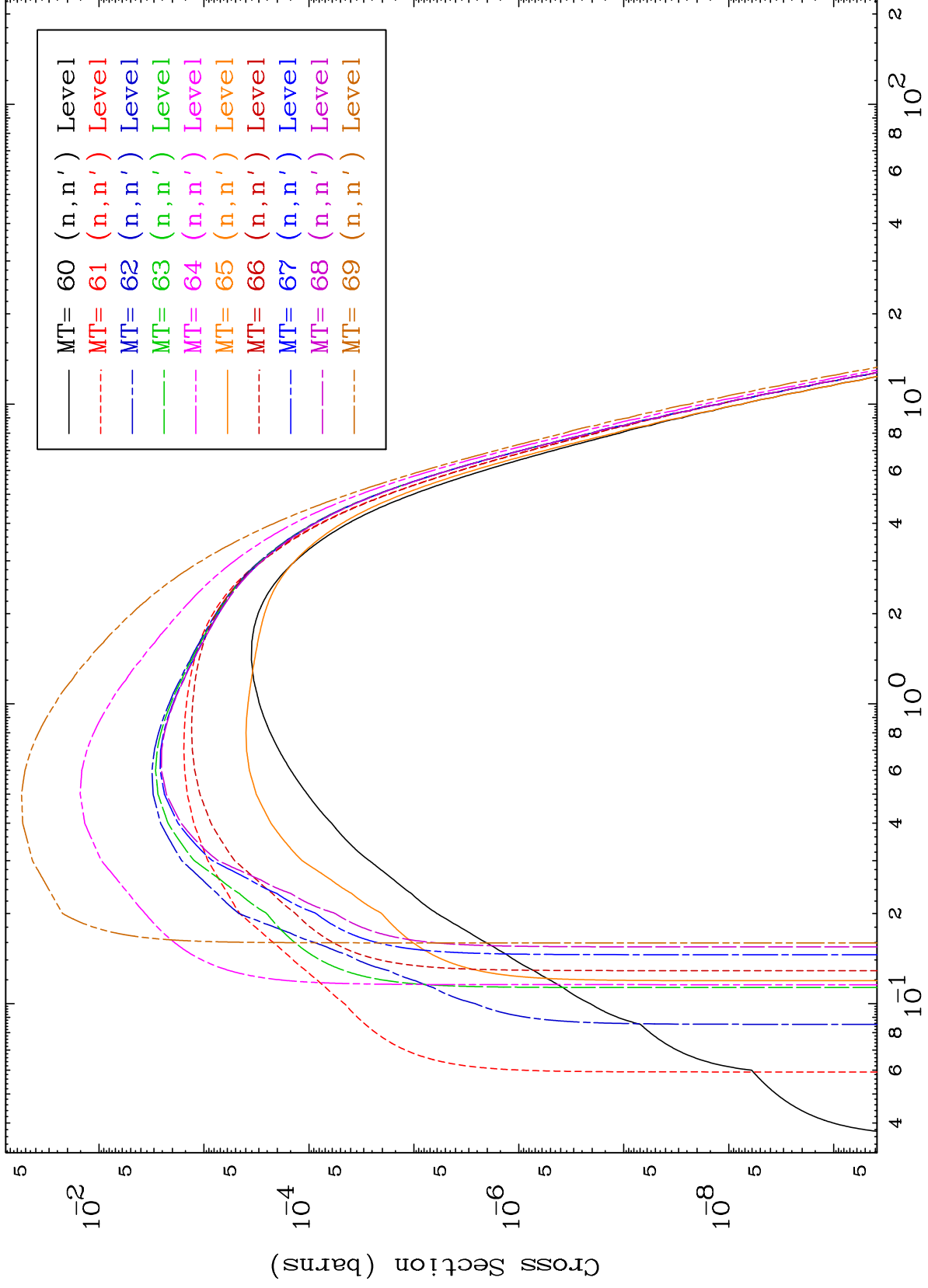


MAT 7535

(n,n') Level

75-Re-188

293 Kelvin Cross Sections

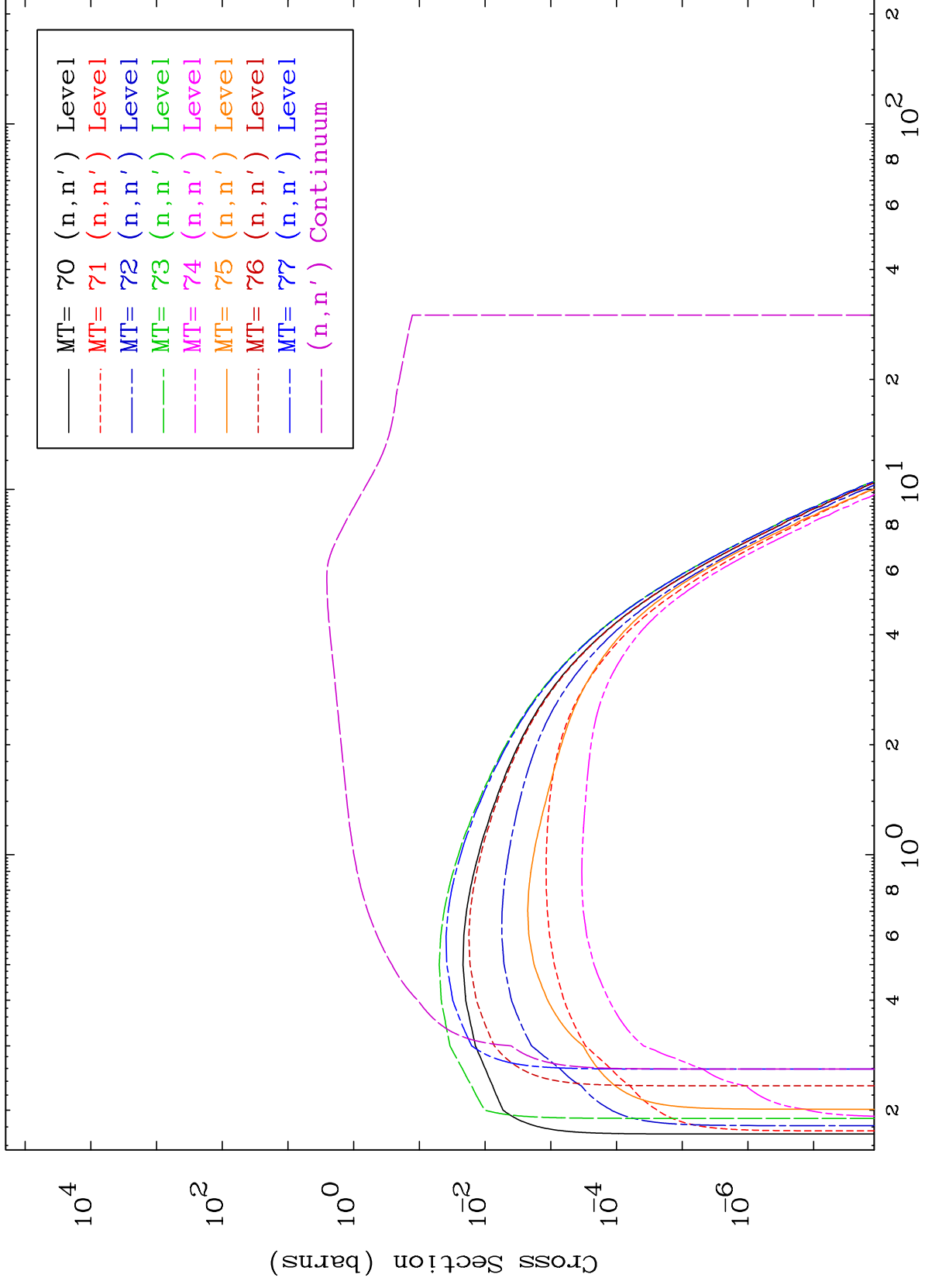


8

Incident Energy (MeV)

75-Re-188

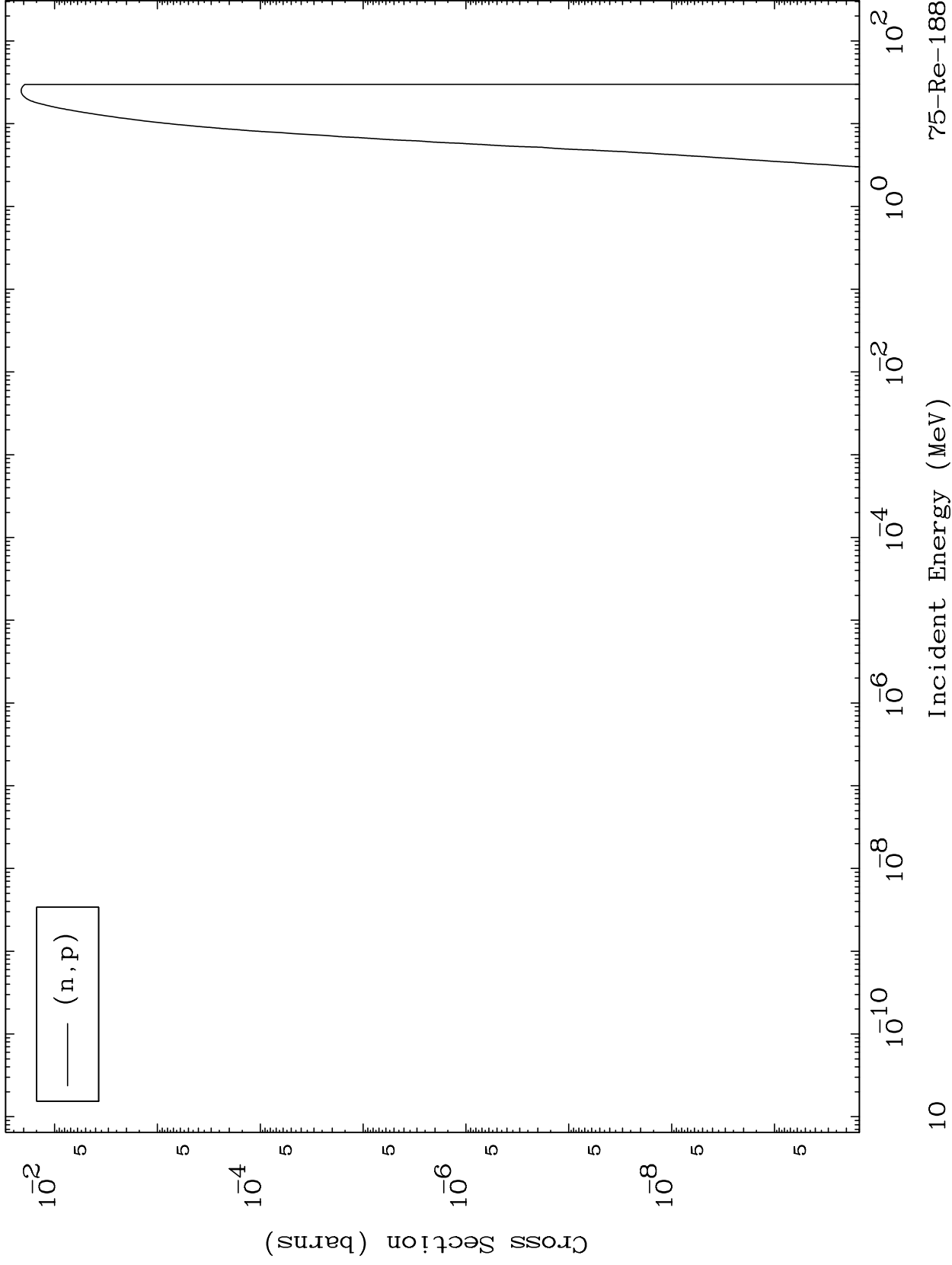
293 Kelvin Cross Sections



MAT 7535

(n,p) Levels
293 Kelvin Cross Sections

75-Re-188



10

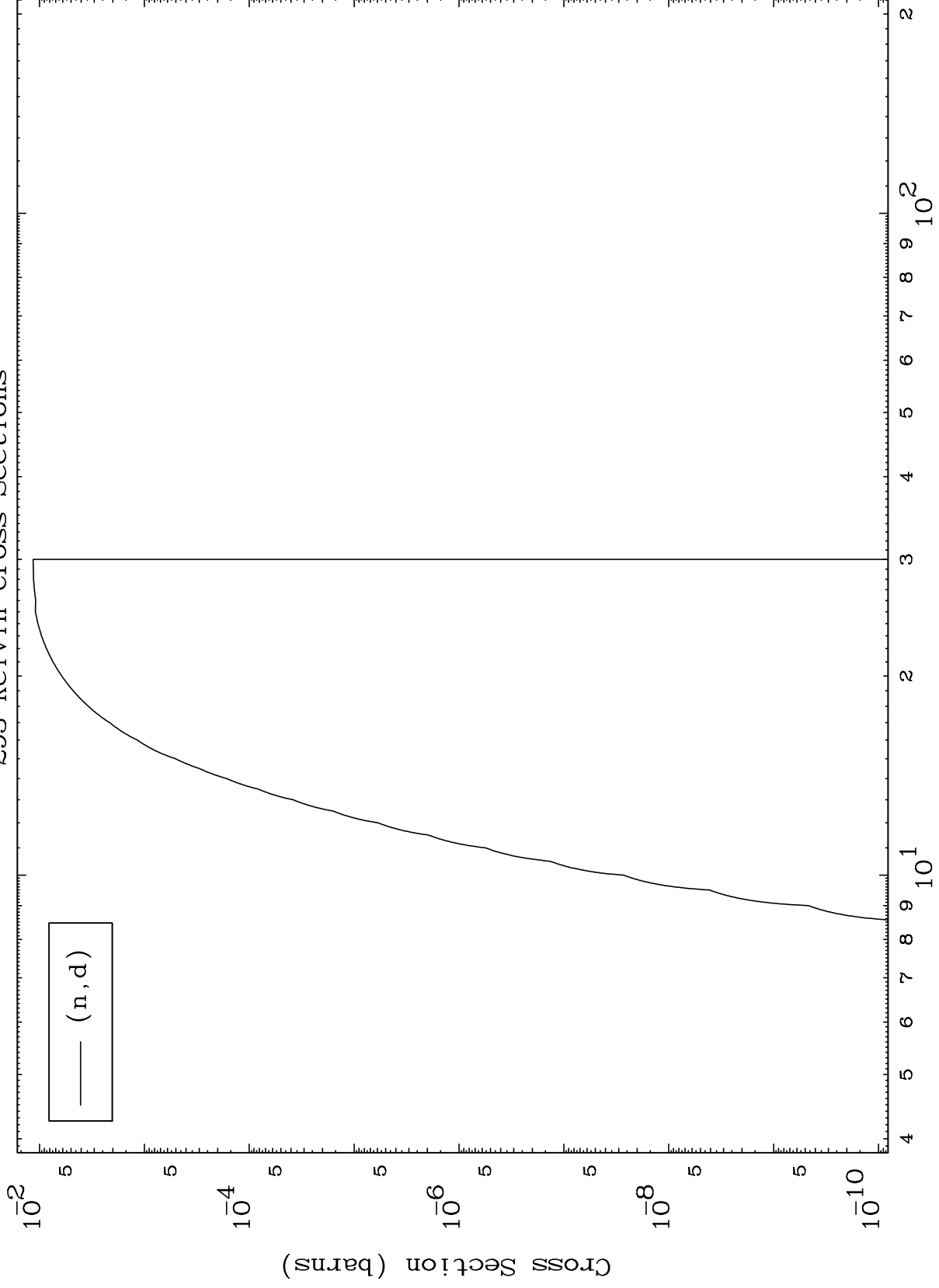
Incident Energy (MeV)

75-Re-188

MAT 7535

(n,d) Levels
293 Kelvin Cross Sections

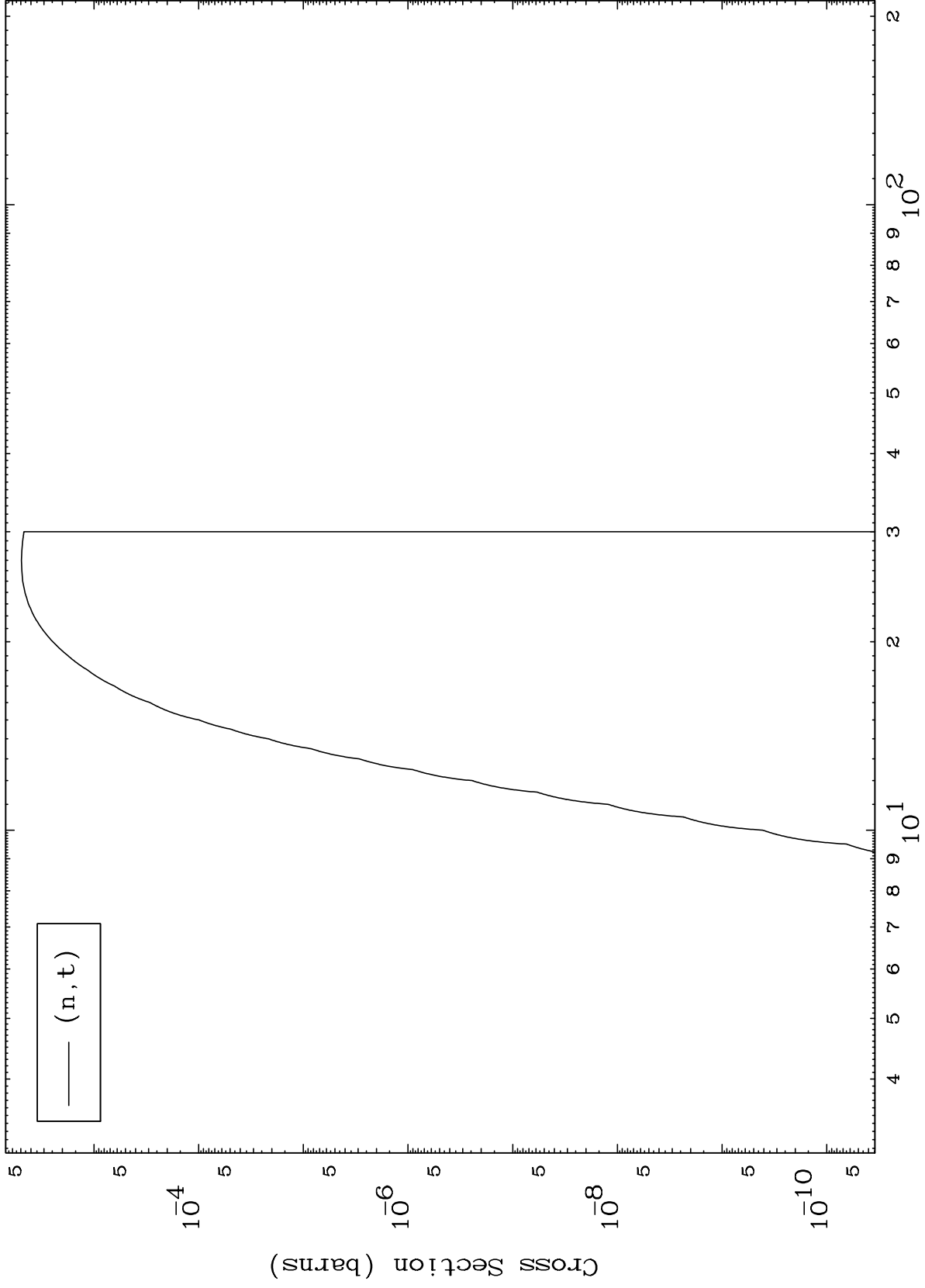
75-Re-188



MAT 7535

(n,t) Levels
293 Kelvin Cross Sections

75-Re-188



12

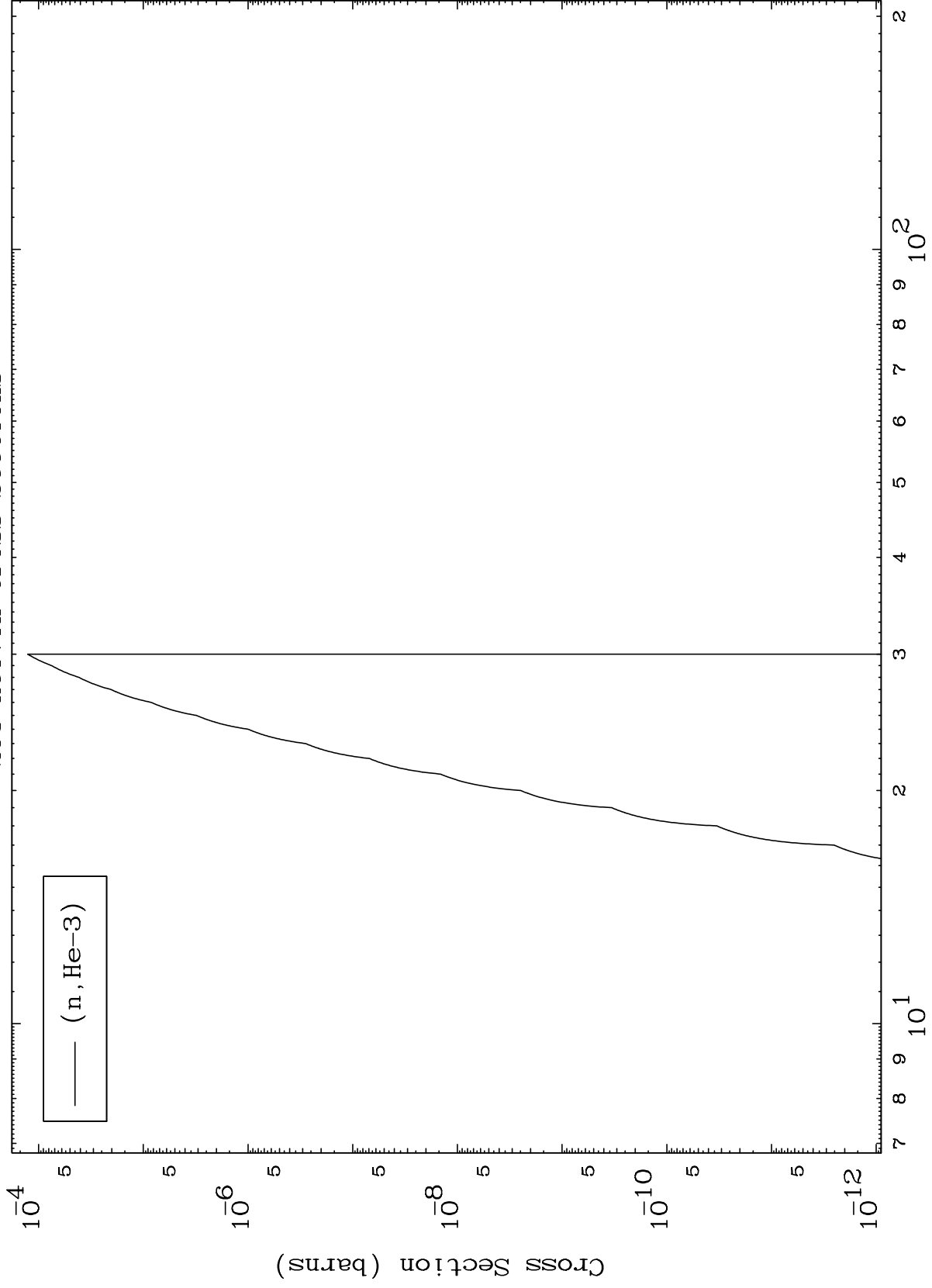
Incident Energy (MeV)

75-Re-188

MAT 7535

(n,He3) Levels
293 Kelvin Cross Sections

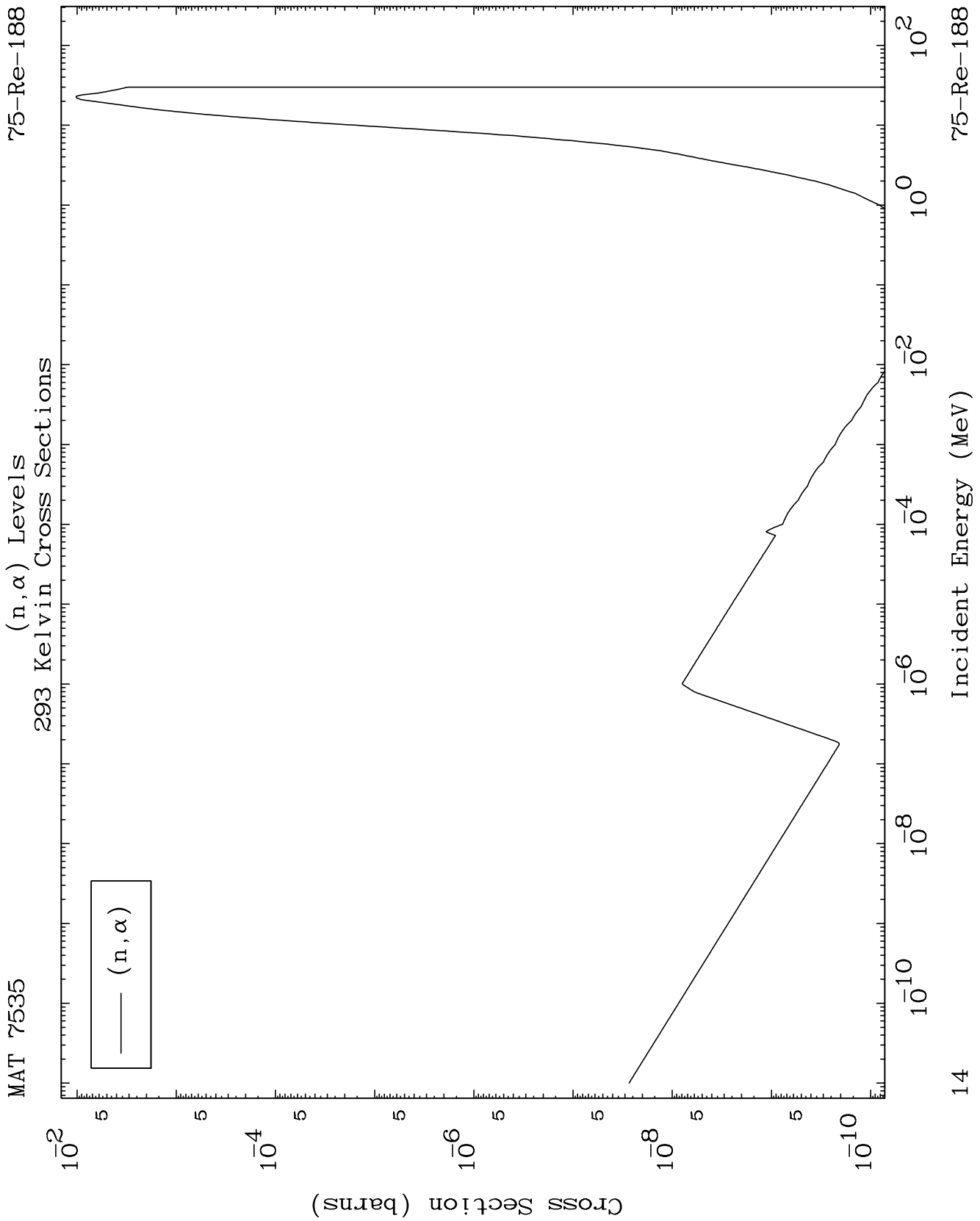
75-Re-188

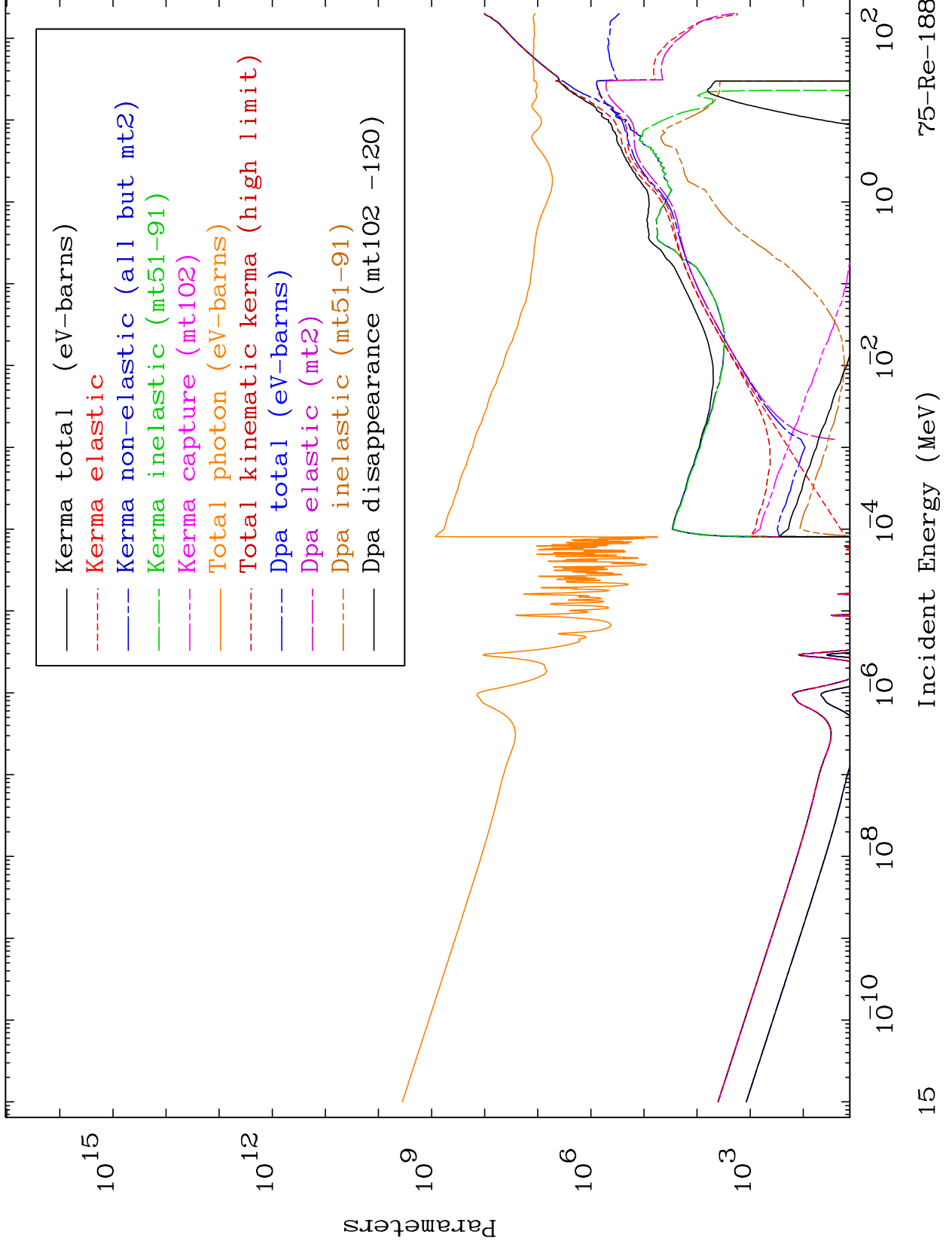


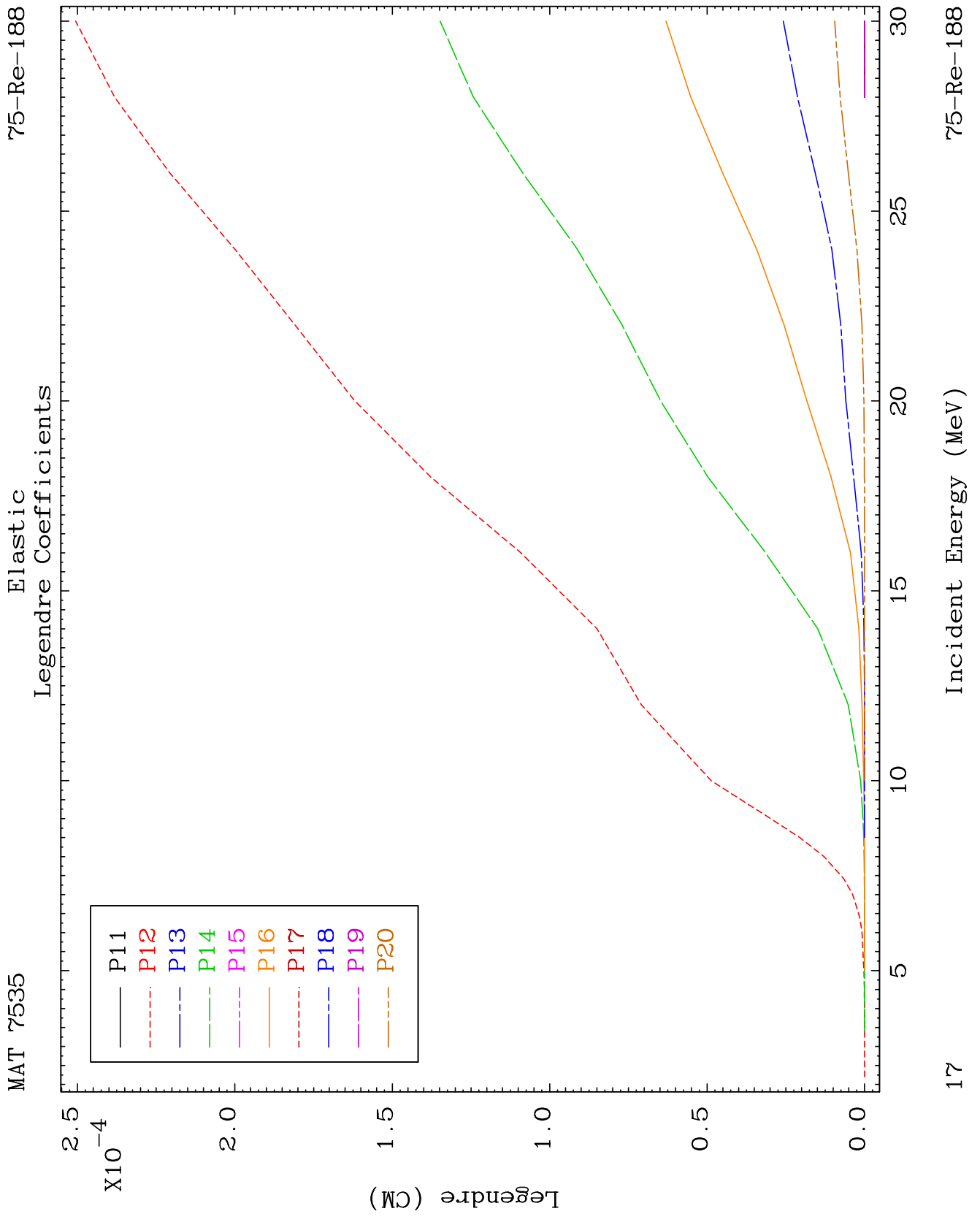
13

Incident Energy (MeV)

75-Re-188



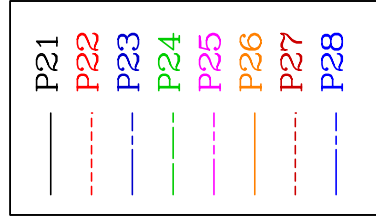




MAT 7535

Elastic Legendre Coefficients

75-Re-188



$\times 10^{-6}$
1.0

0.8

0.6

0.4

0.2

0.0

Legendre (CM)

15

20

25

30

18

Incident Energy (MeV)

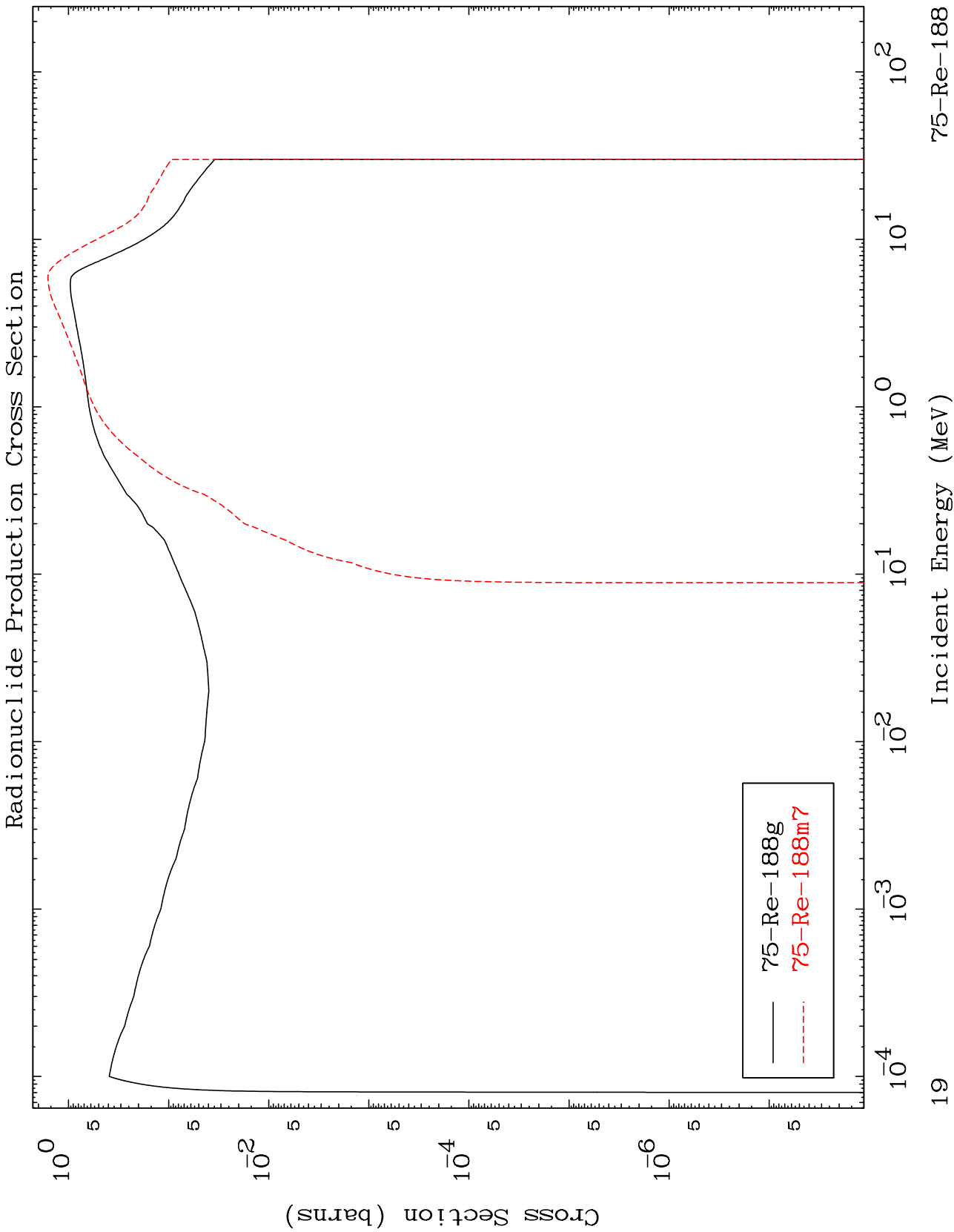
75-Re-188



MAT 7535

75-Re-188

Inelastic
Radionuclide Production Cross Section



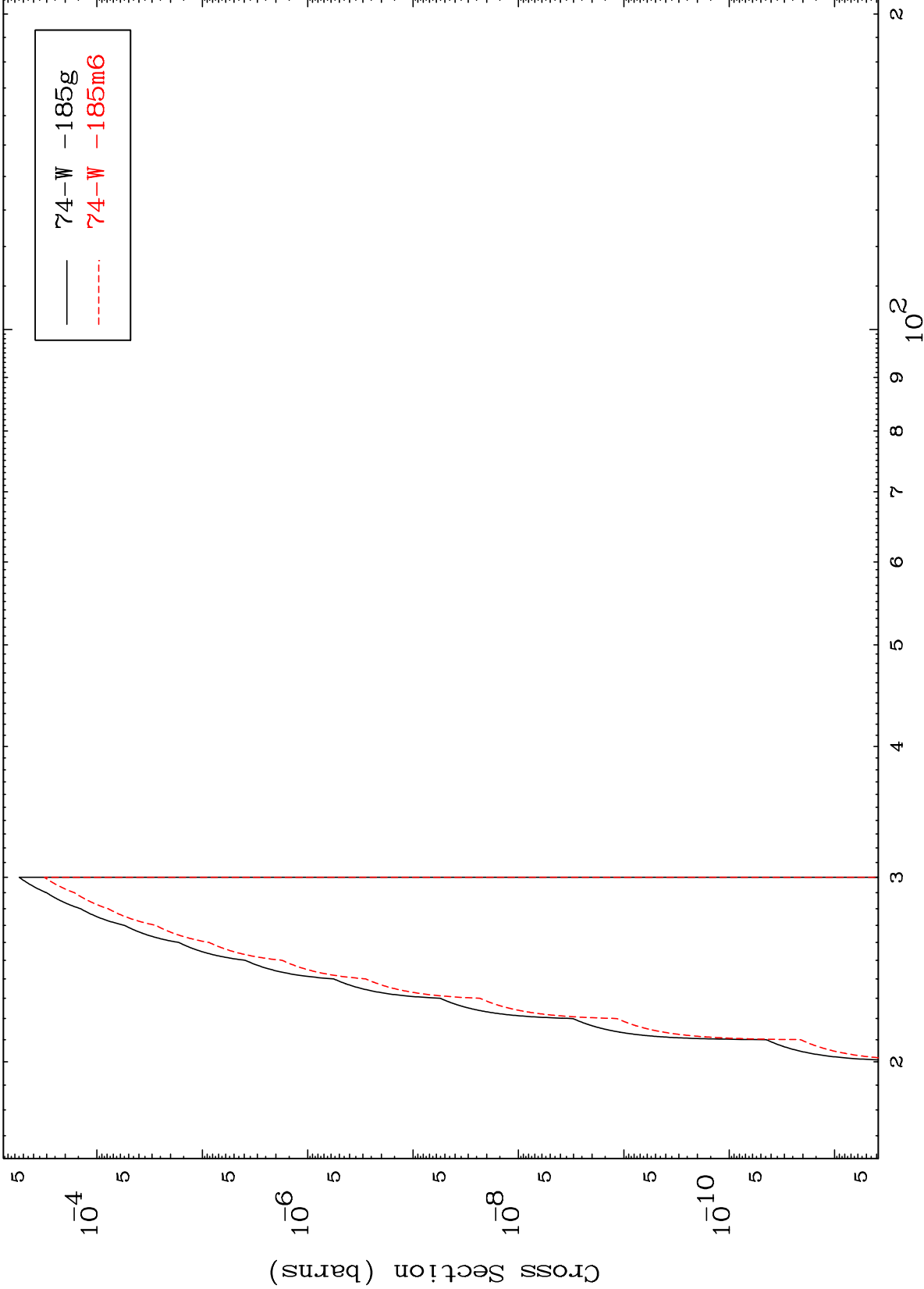
— 75-Re-188g
- - - 75-Re-188m7

MAT 7535

(n,2n) d

75-Re-188

Radionuclide Production Cross Section



74-W - 185g
74-W - 185m6

20

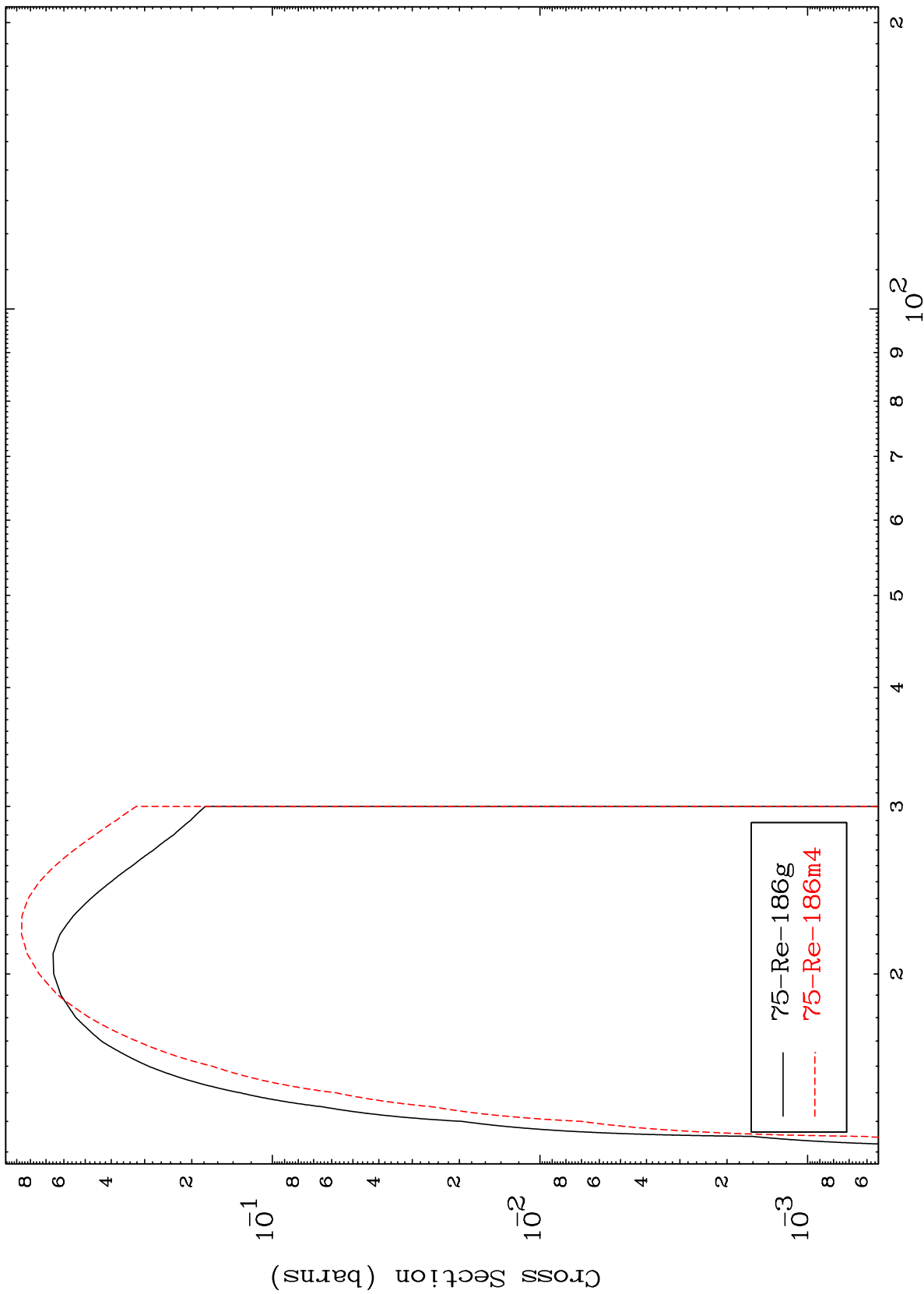
Incident Energy (MeV)

75-Re-188

MAT 7535

75-Re-188

(n,3n)
Radionuclide Production Cross Section



75-Re-188

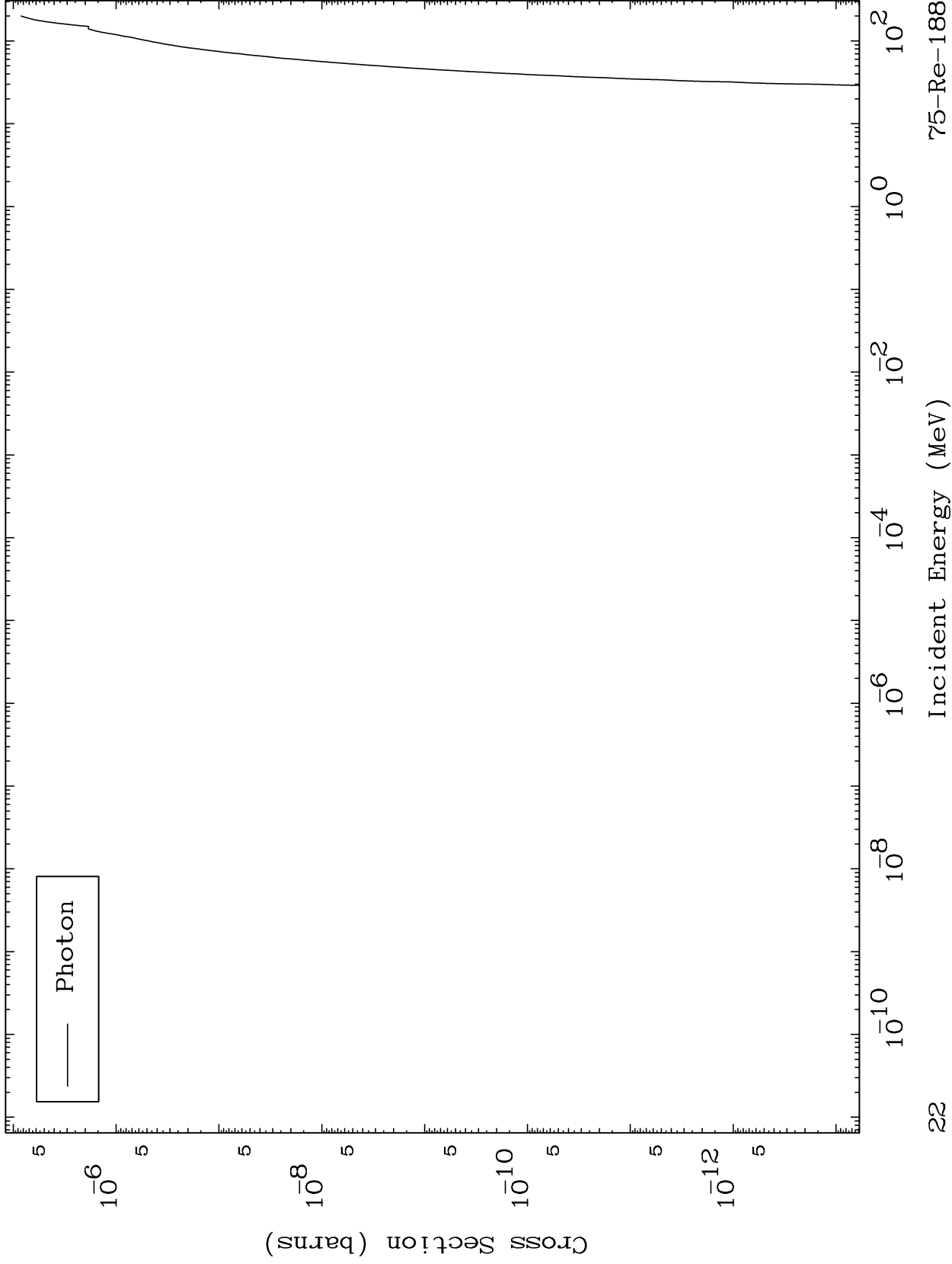
Incident Energy (MeV)

MAT 7535

Fission

75-Re-188

Radionuclide Production Cross Section



22

Incident Energy (MeV)

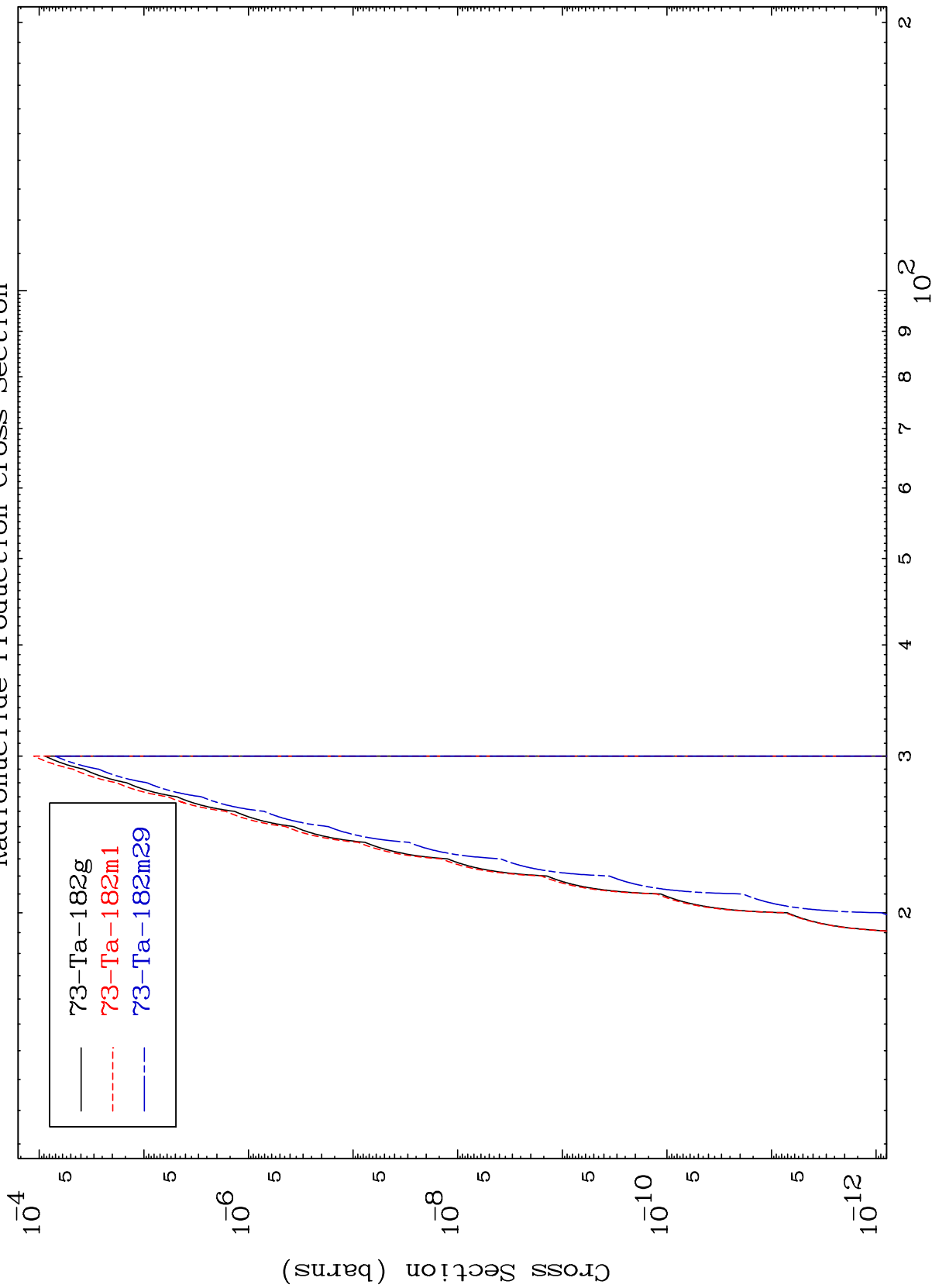
75-Re-188

MAT 7535

(n,3n) α

75-Re-188

Radionuclide Production Cross Section



Incident Energy (MeV)

75-Re-188

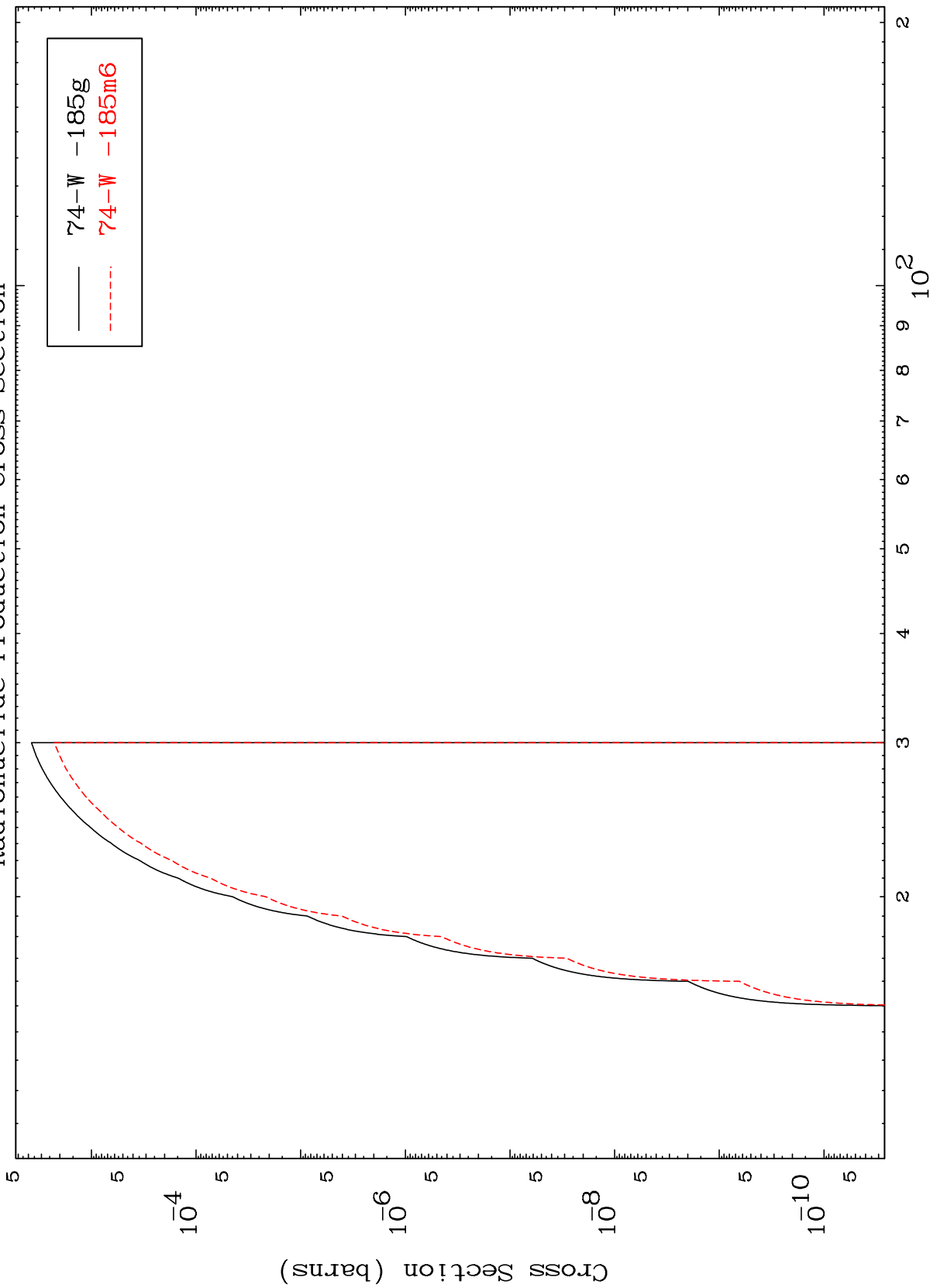
23

MAT 7535

(n,n') t

75-Re-188

Radionuclide Production Cross Section



24

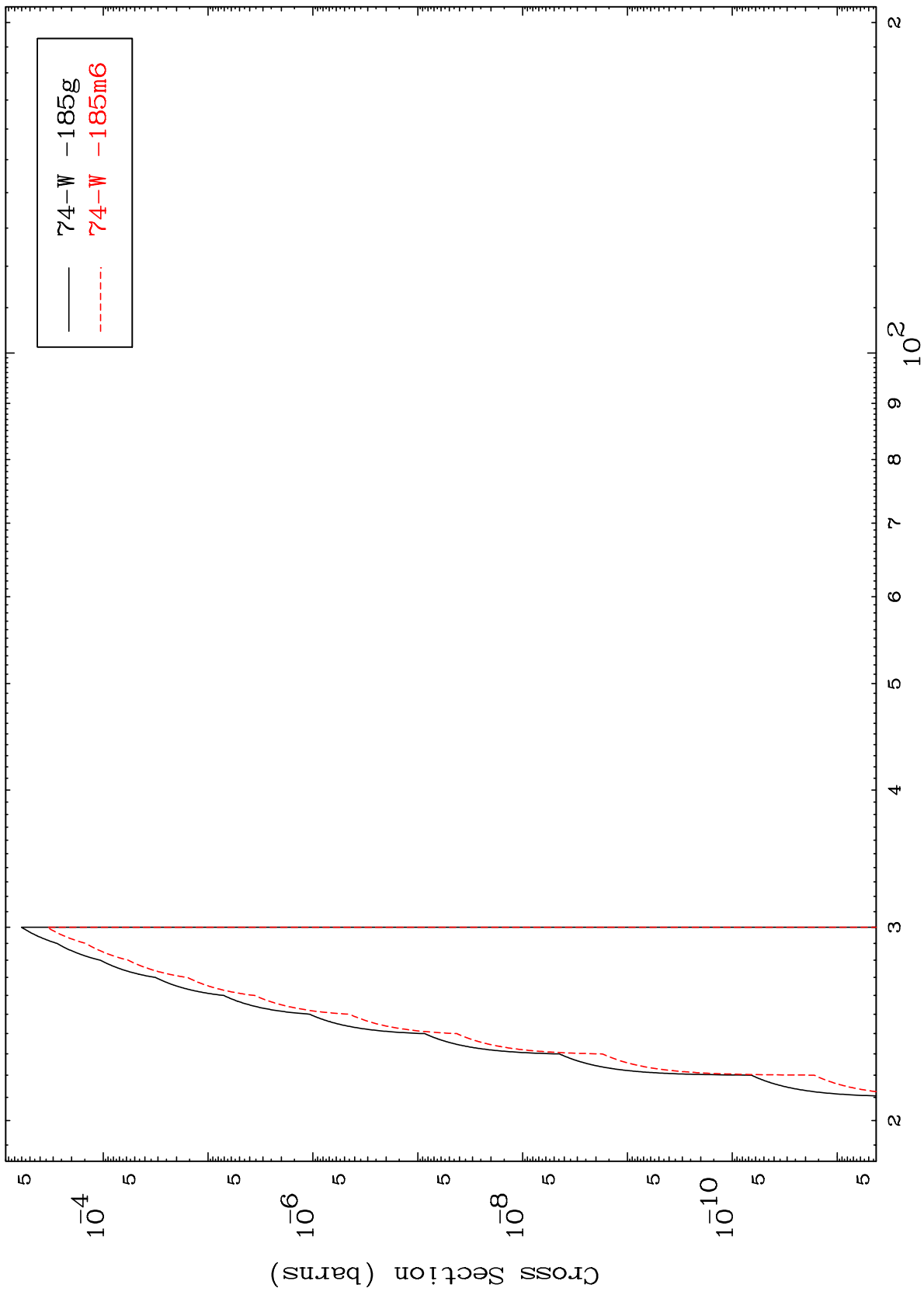
Incident Energy (MeV)

75-Re-188

MAT 7535

75-Re-188

$(n,3n)$ p
Radionuclide Production Cross Section



25

Incident Energy (MeV)

75-Re-188