

Program EVALPLOT
(Version 2015-2)

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:home.comcast.net/~redcullen1

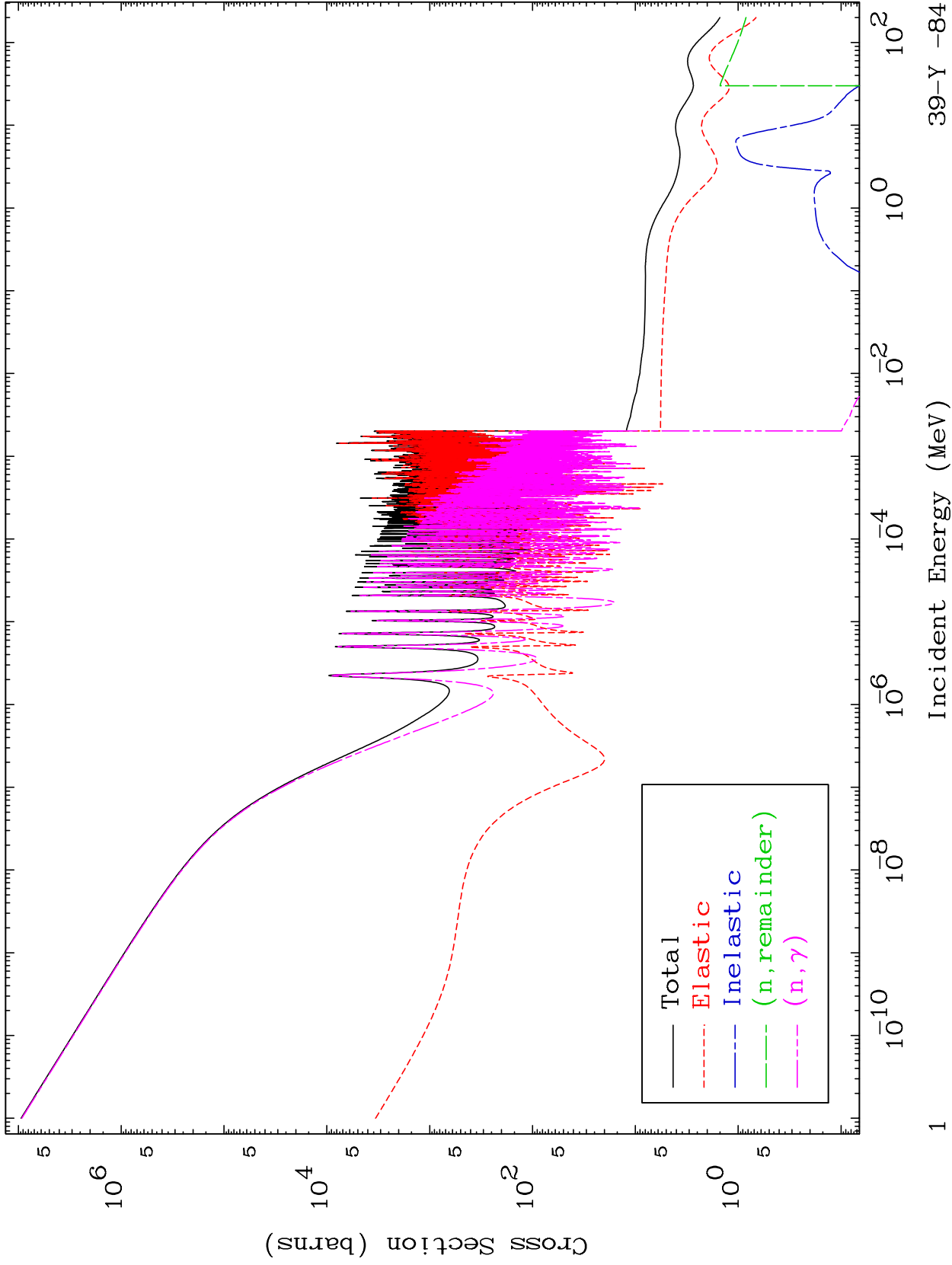
Press Mouse Button to Start

MAT 3911

Major

293 Kelvin Cross Sections

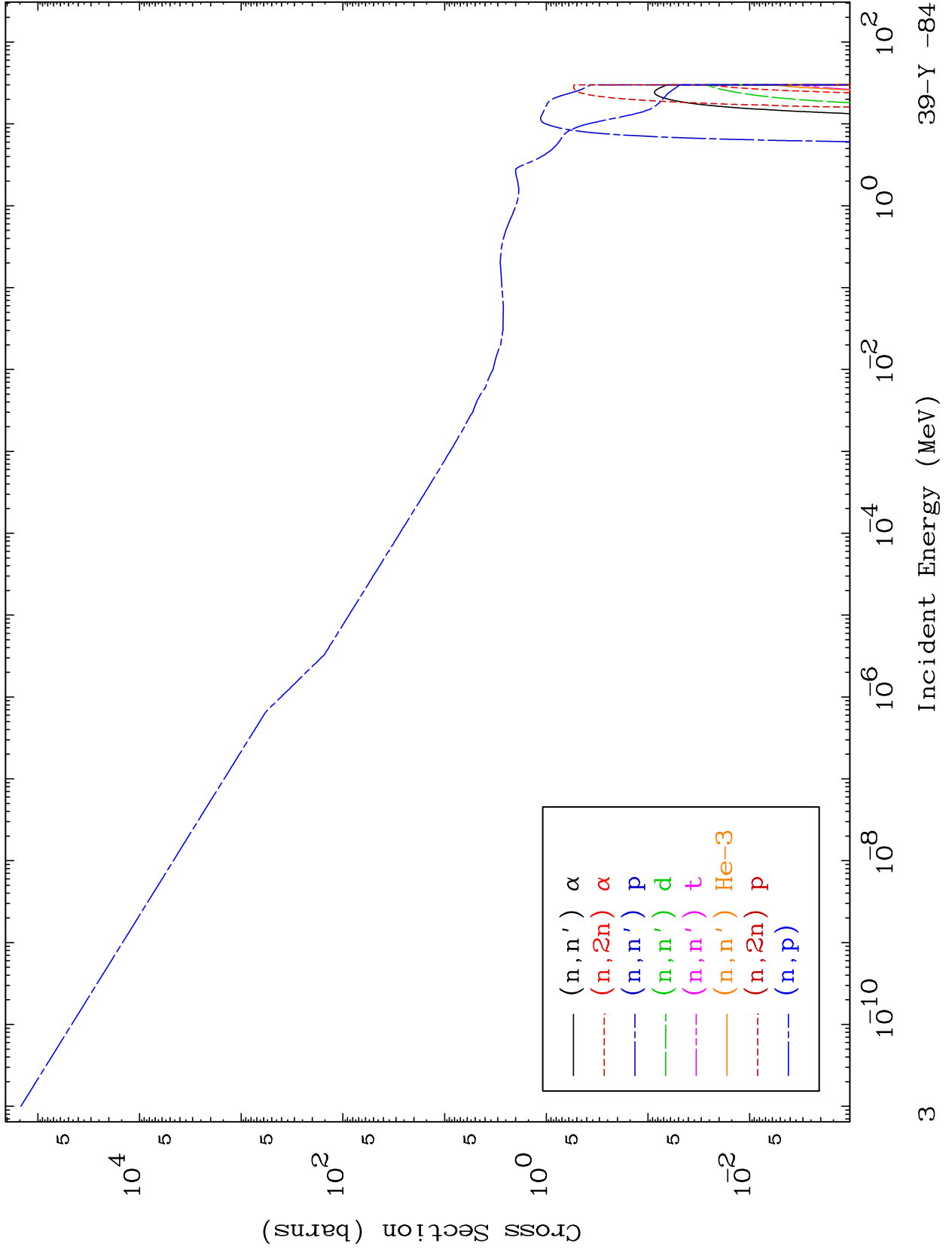
39-Y -84



MAT 3911

Charged Particle
293 Kelvin Cross Sections

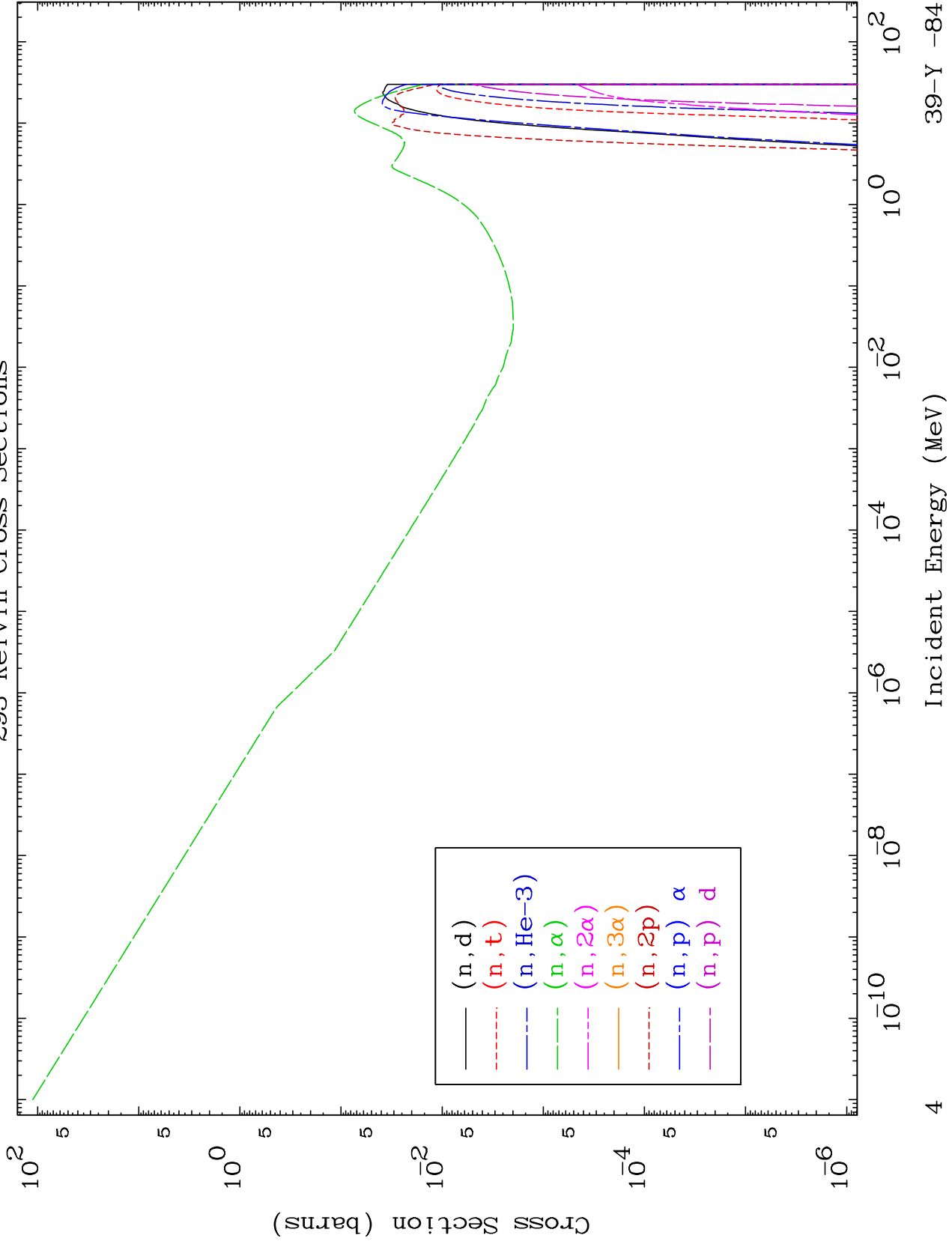
39-Y -84

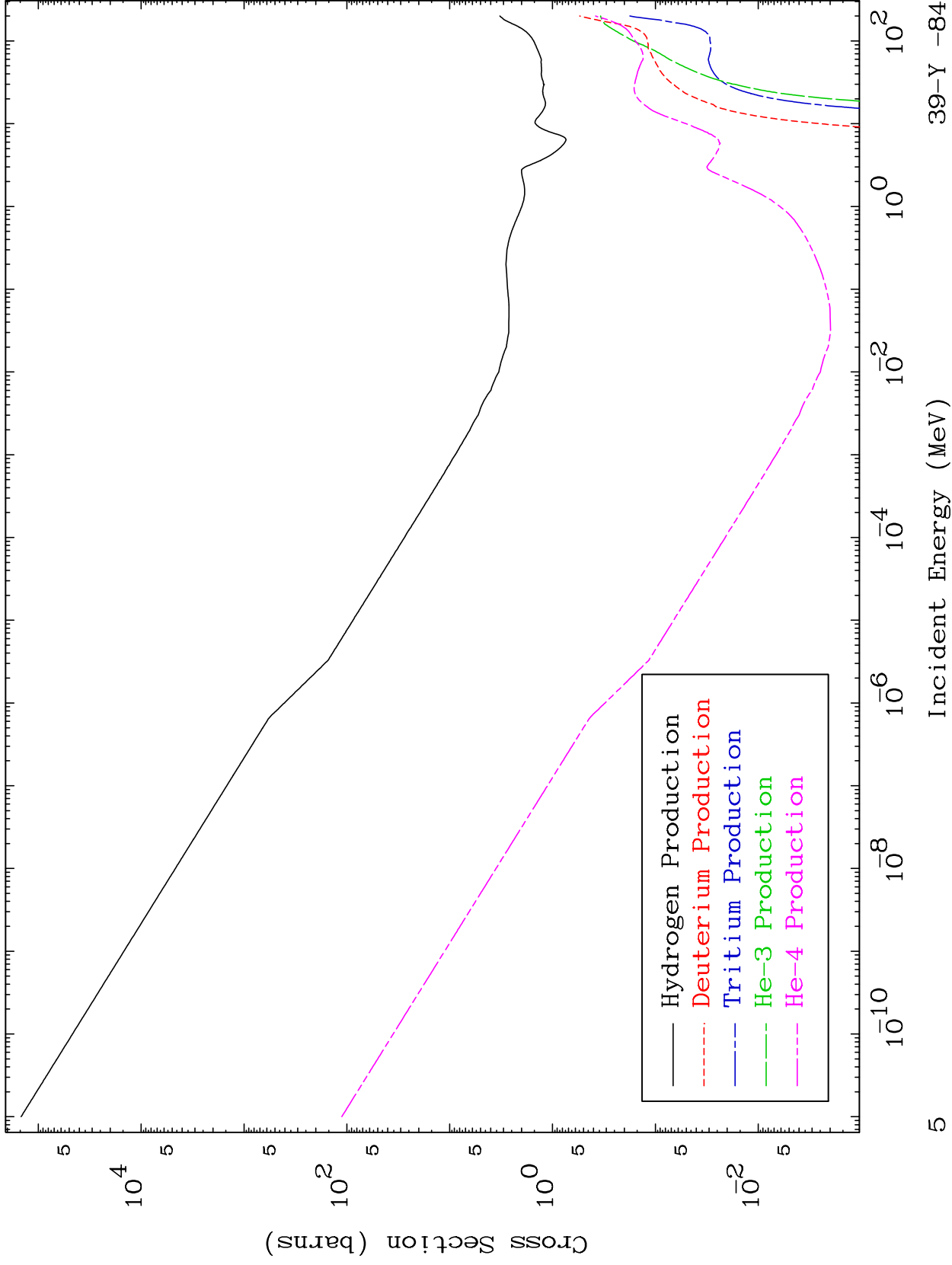


MAT 3911

Charged Particle
293 Kelvin Cross Sections

39-Y -84

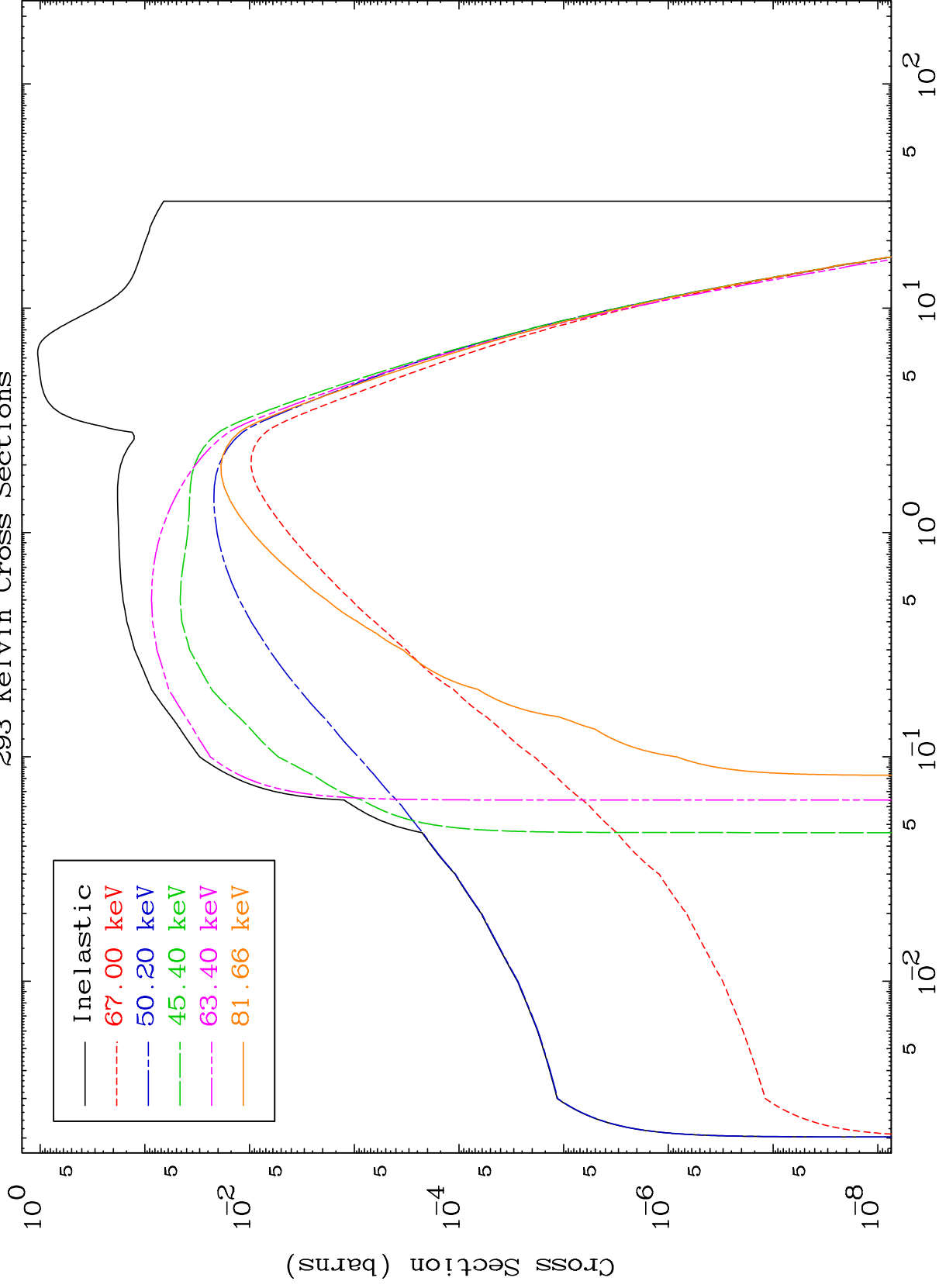




MAT 3911

293 Kelvin Cross Sections
(n,n') Level

39-Y -84



6

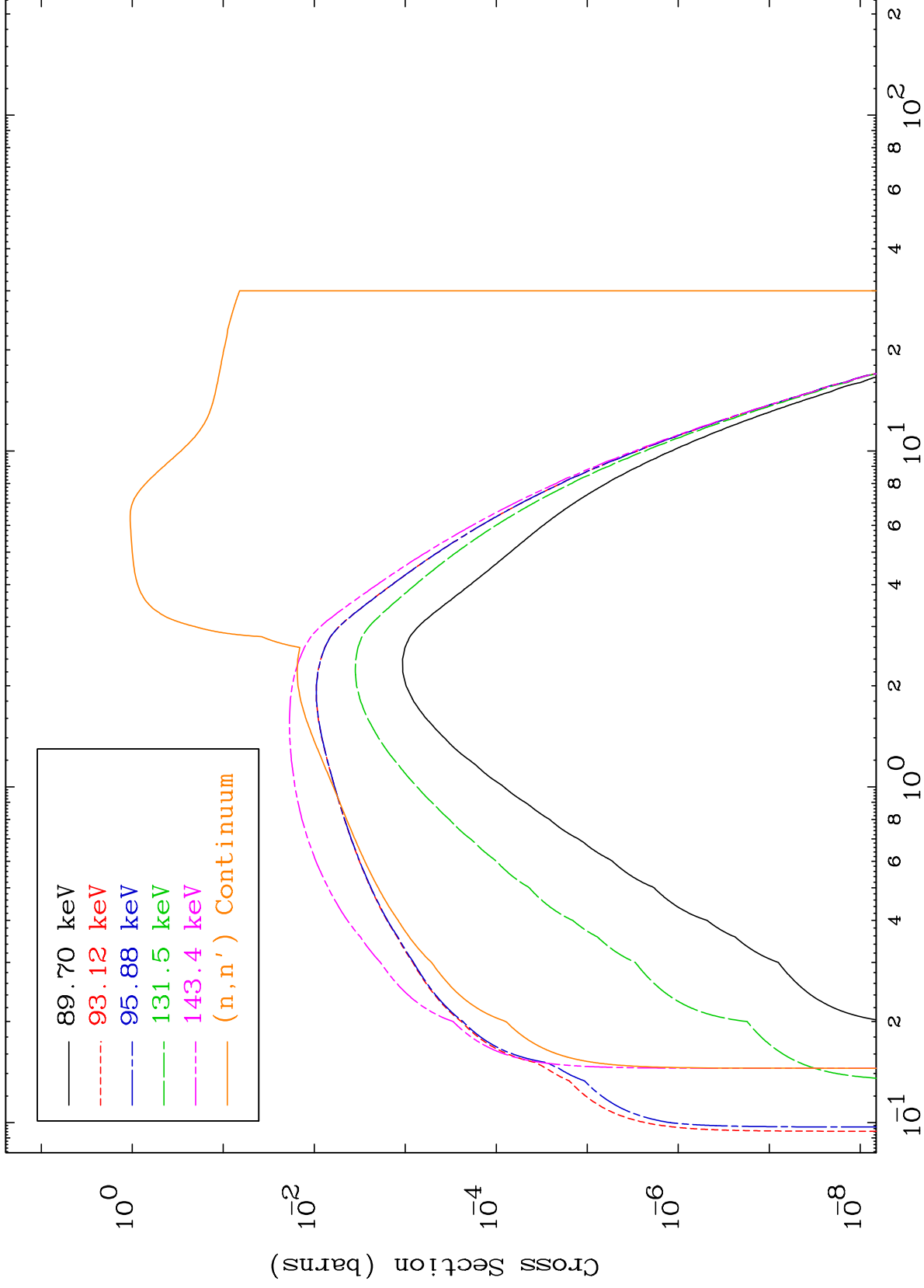
Incident Energy (MeV)

39-Y -84

MAT 3911

(n,n') Level
293 Kelvin Cross Sections

39-Y -84

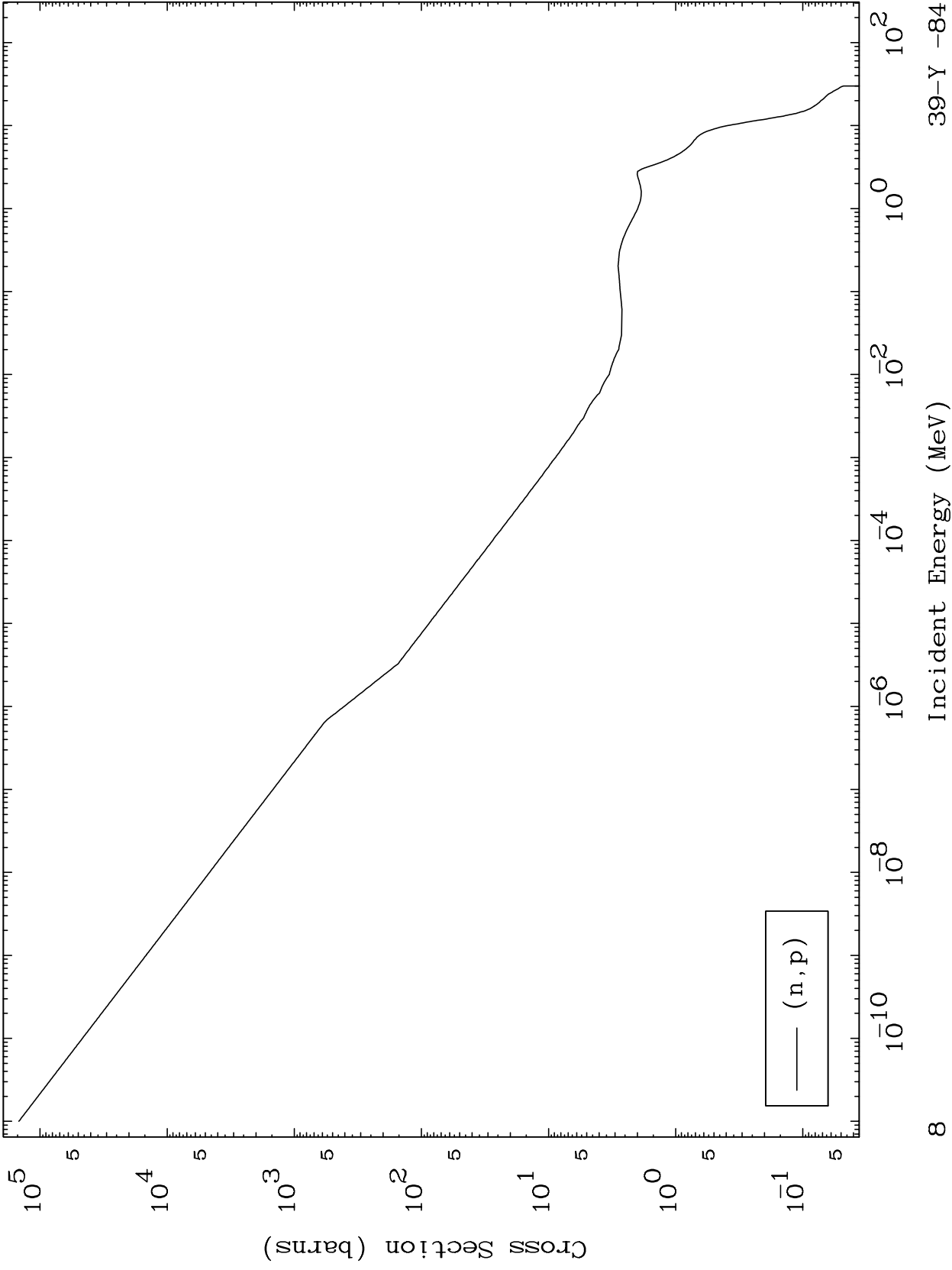


7

MAT 3911

(n,p) Levels
293 Kelvin Cross Sections

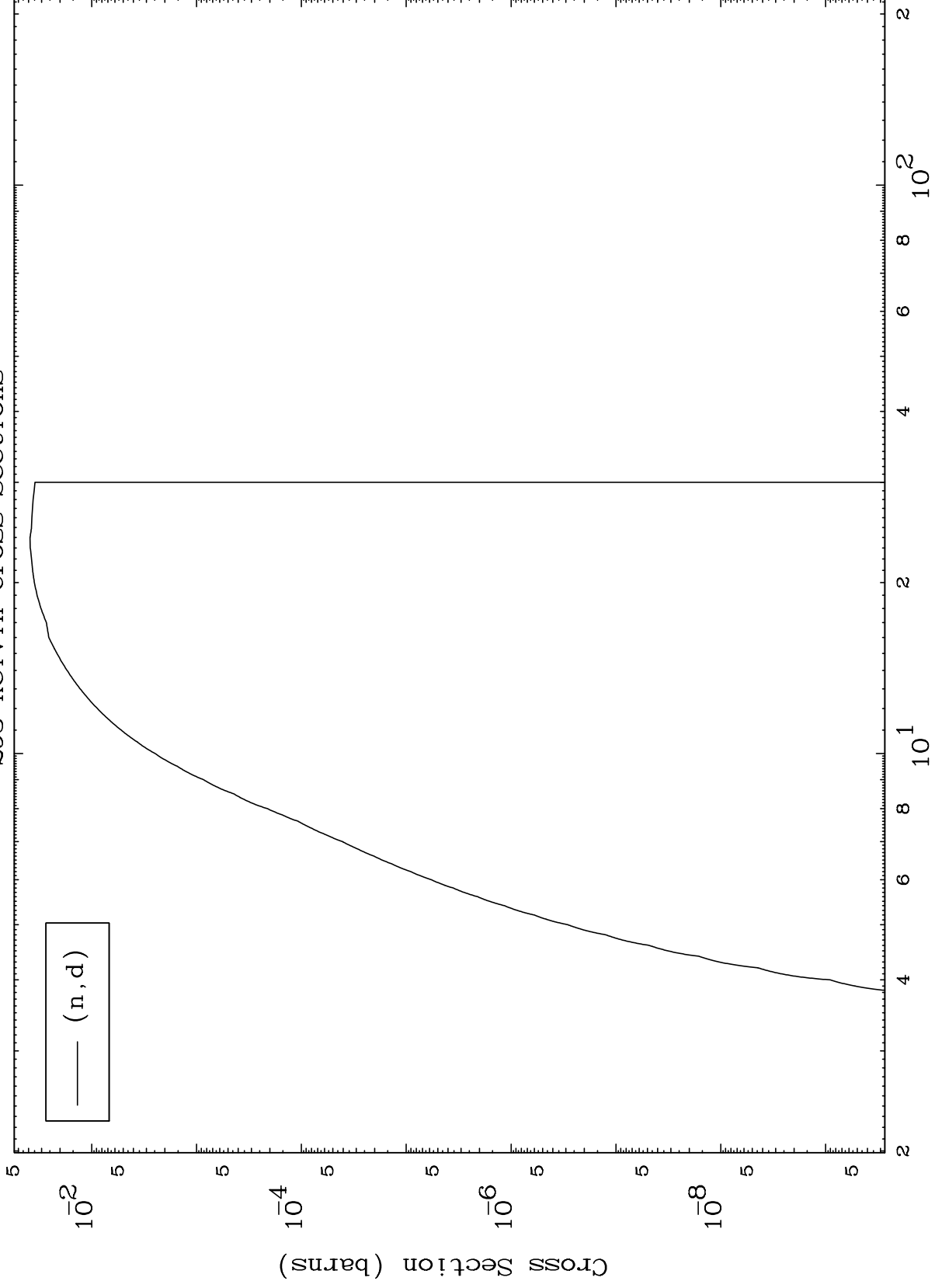
39-Y -84



MAT 3911

(n,d) Levels
293 Kelvin Cross Sections

39-Y -84



9

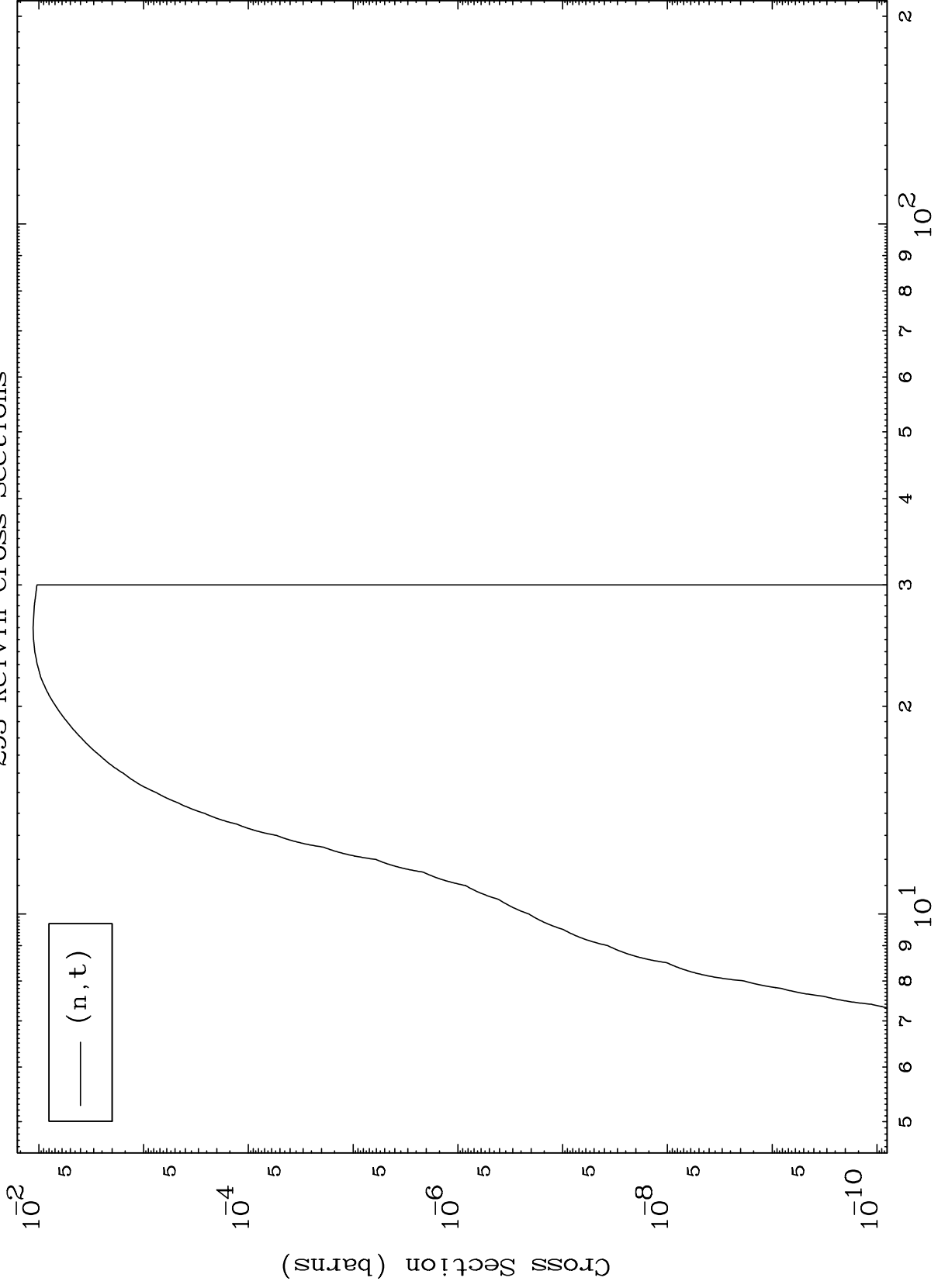
Incident Energy (MeV)

39-Y -84

MAT 3911

(n,t) Levels
293 Kelvin Cross Sections

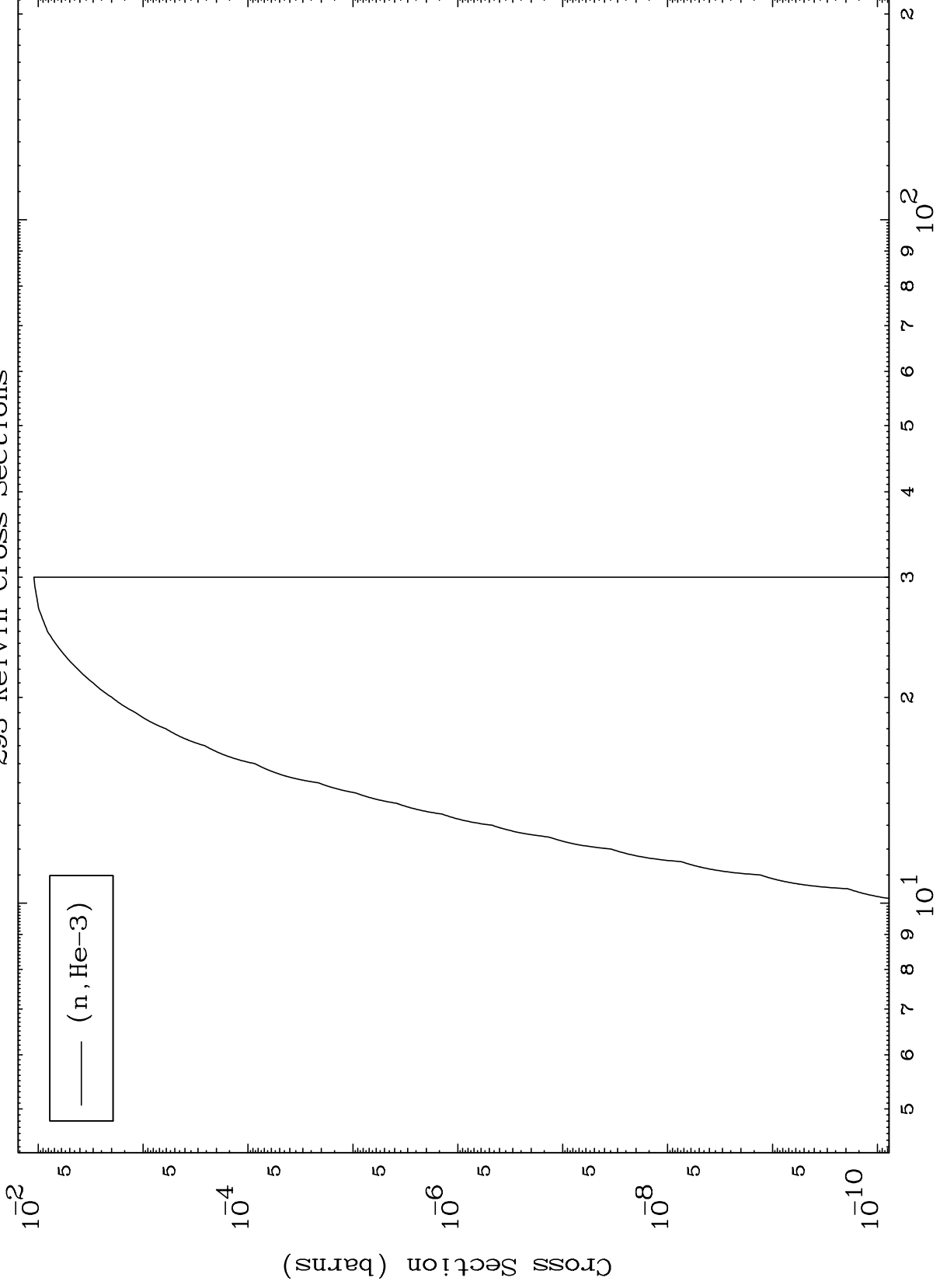
39-Y -84



10

Incident Energy (MeV)

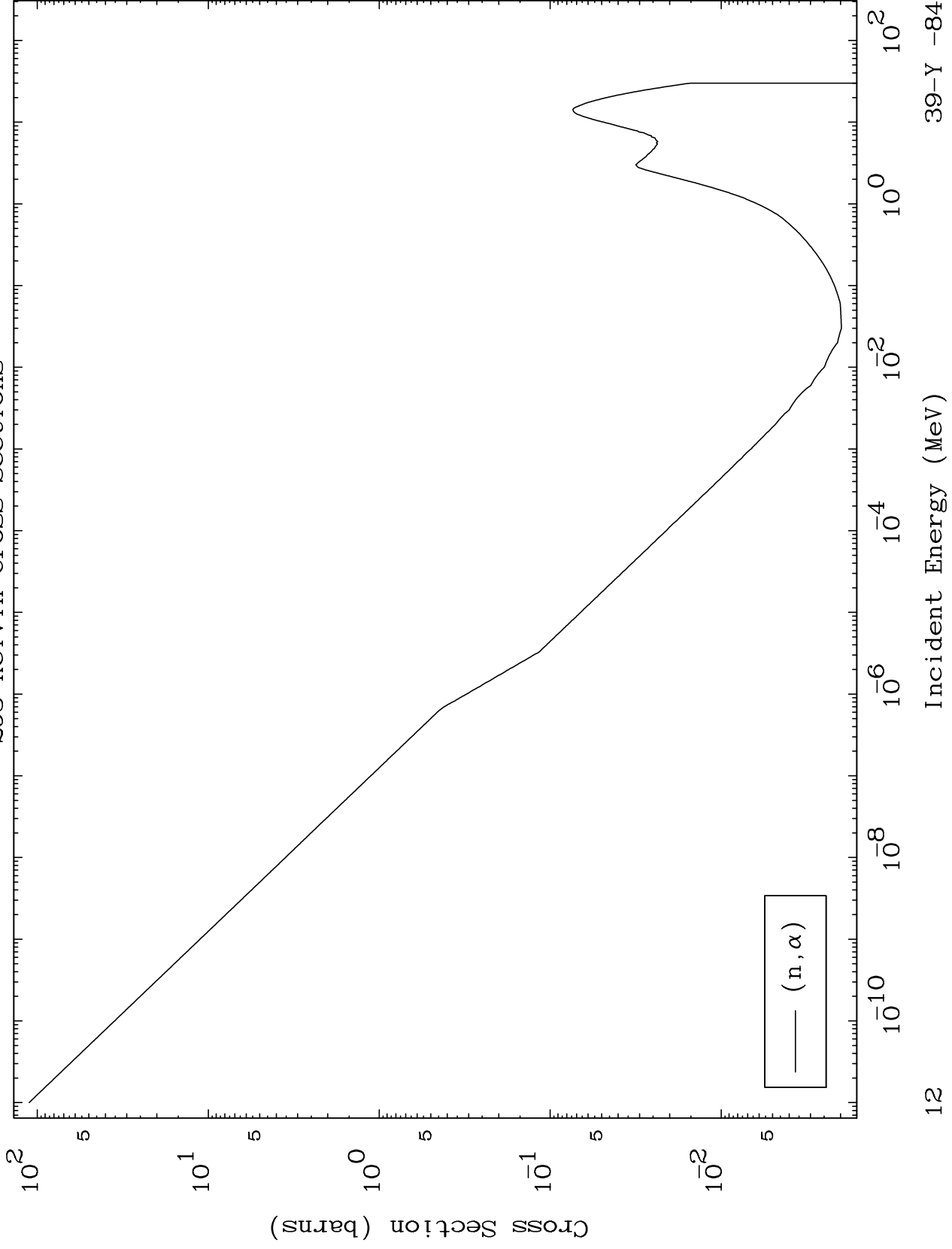
39-Y -84

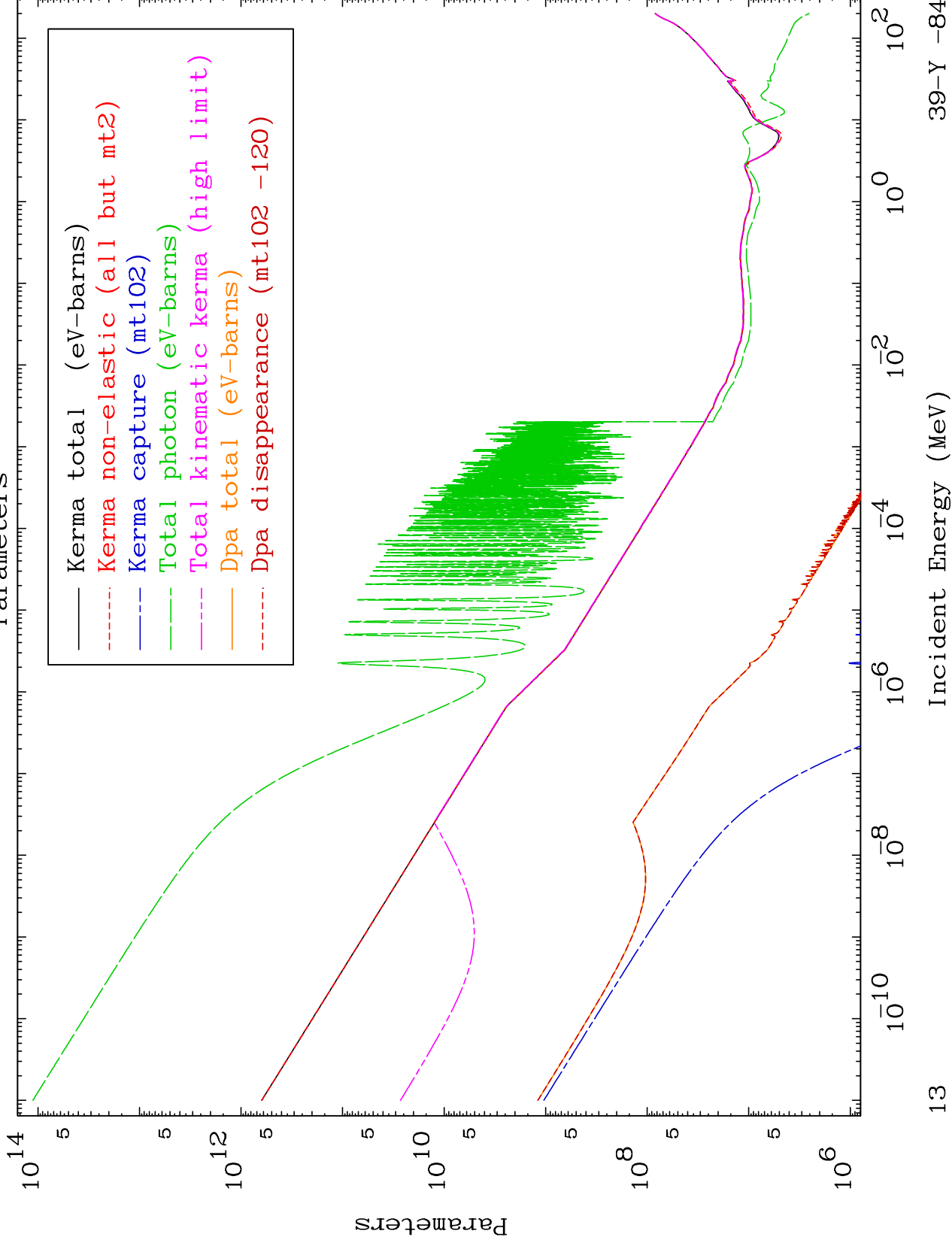


MAT 3911

(n,α) Levels
293 Kelvin Cross Sections

39-Y -84

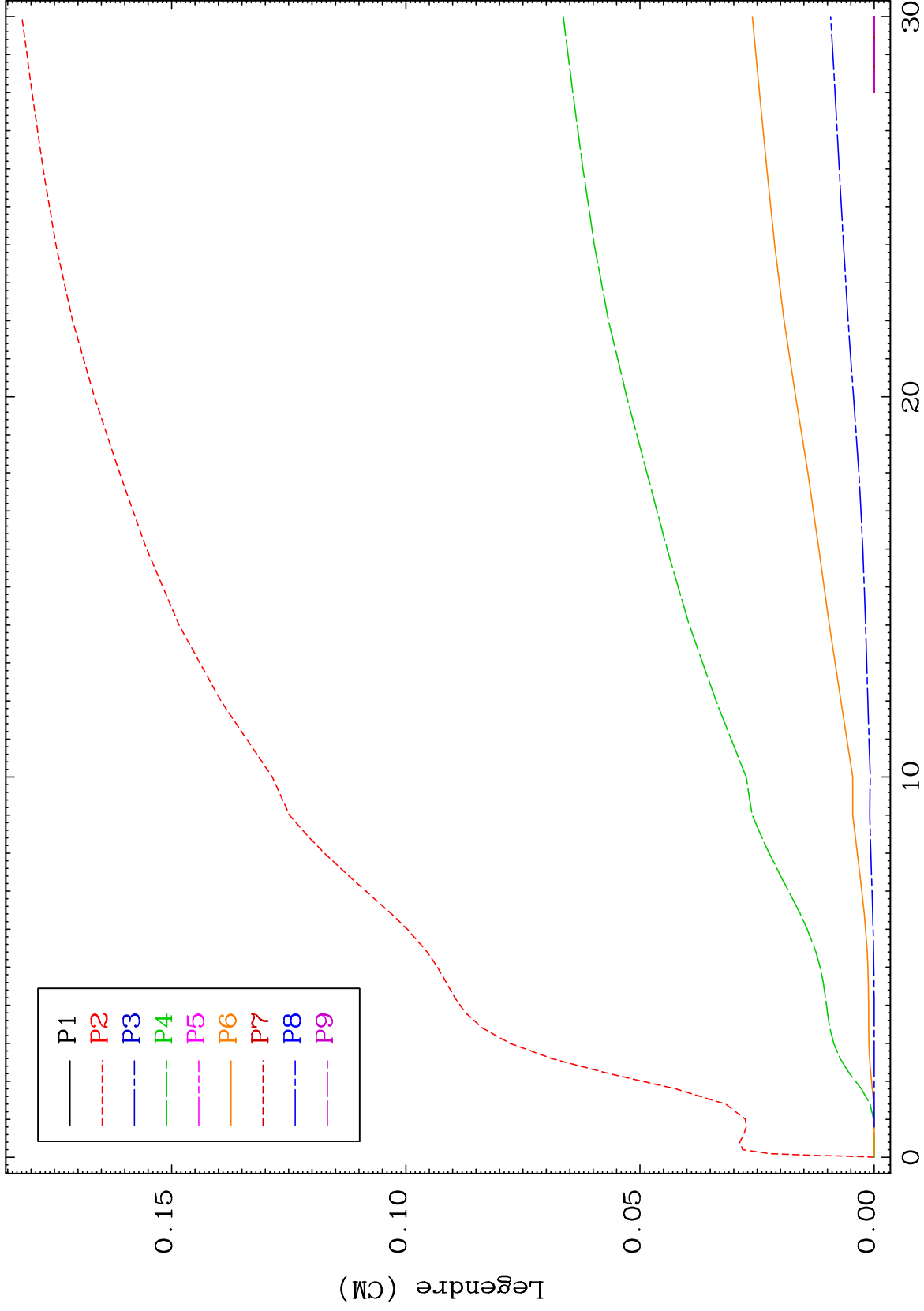




MAT 3911

Elastic
Legendre Coefficients

39-Y -84



14

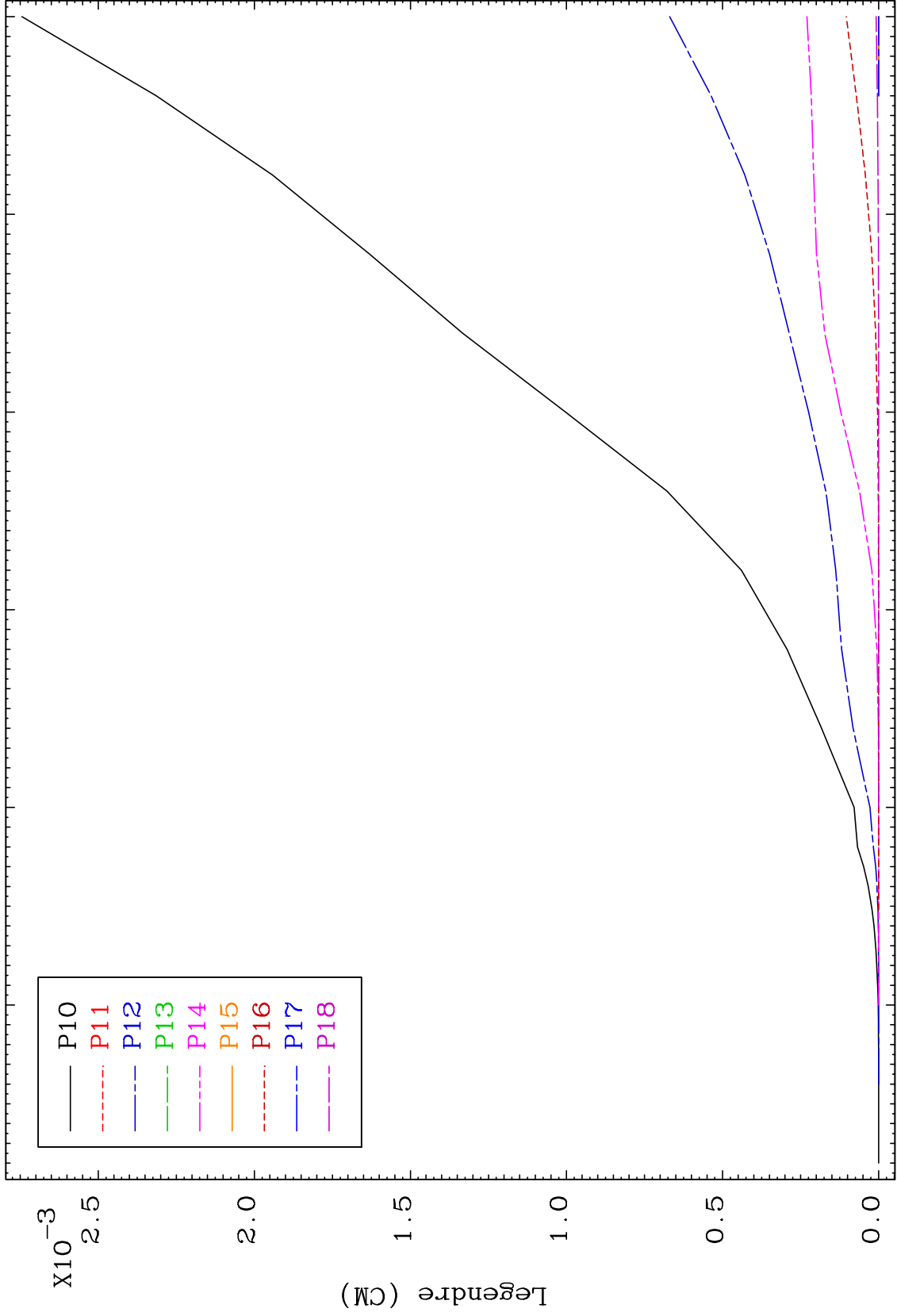
Incident Energy (MeV)

39-Y -84

MAT 3911

Elastic Legendre Coefficients

39-Y -84



15

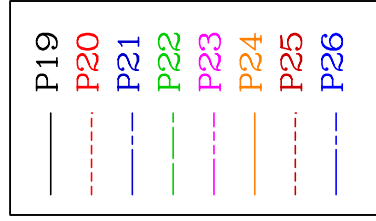
Incident Energy (MeV)

39-Y -84

MAT 3911

Elastic
Legendre Coefficients

39-Y -84



$\times 10^{-75}$

Legendre (CM)

4

3

2

1

0

15

20

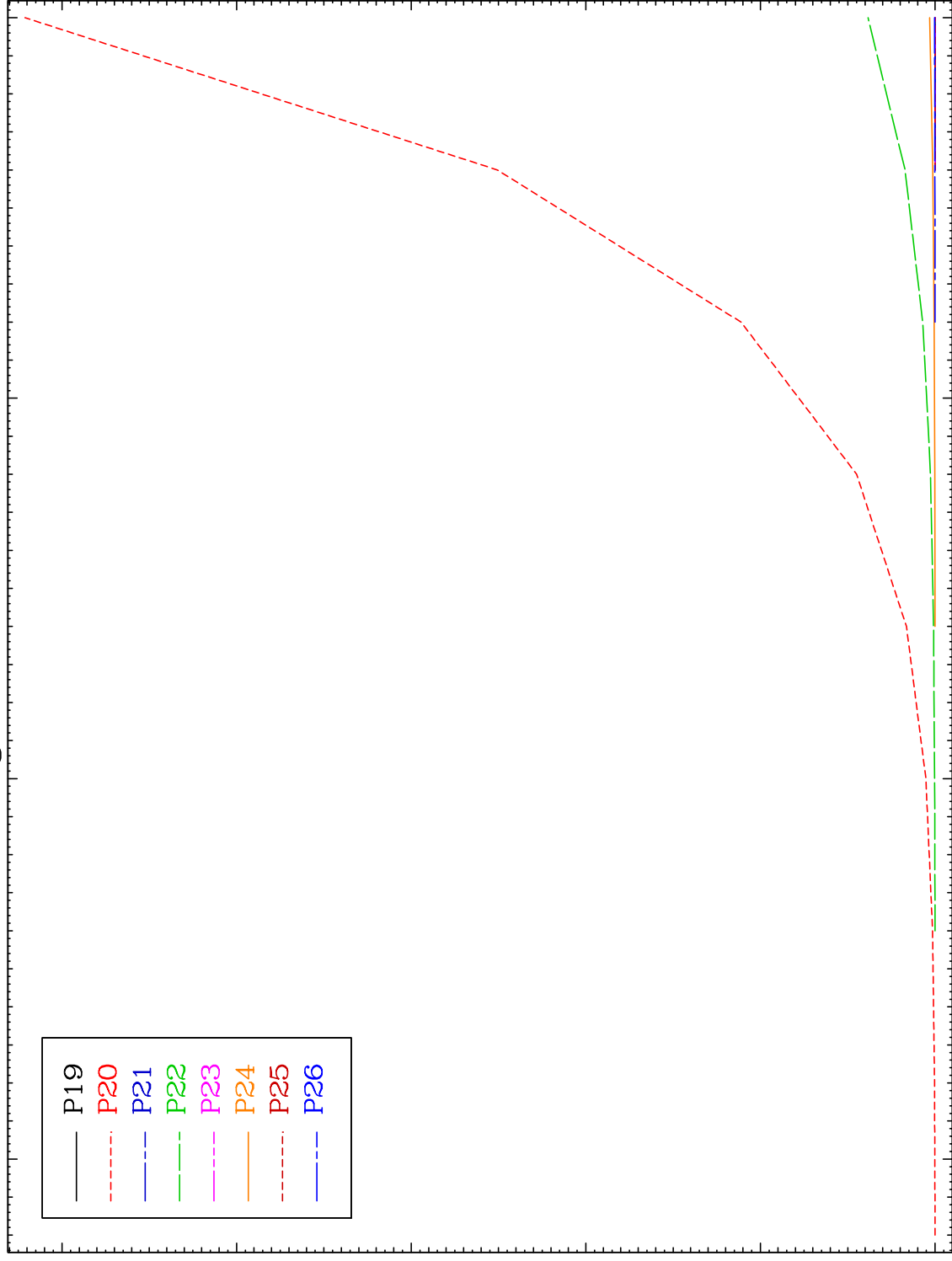
25

30

16

Incident Energy (MeV)

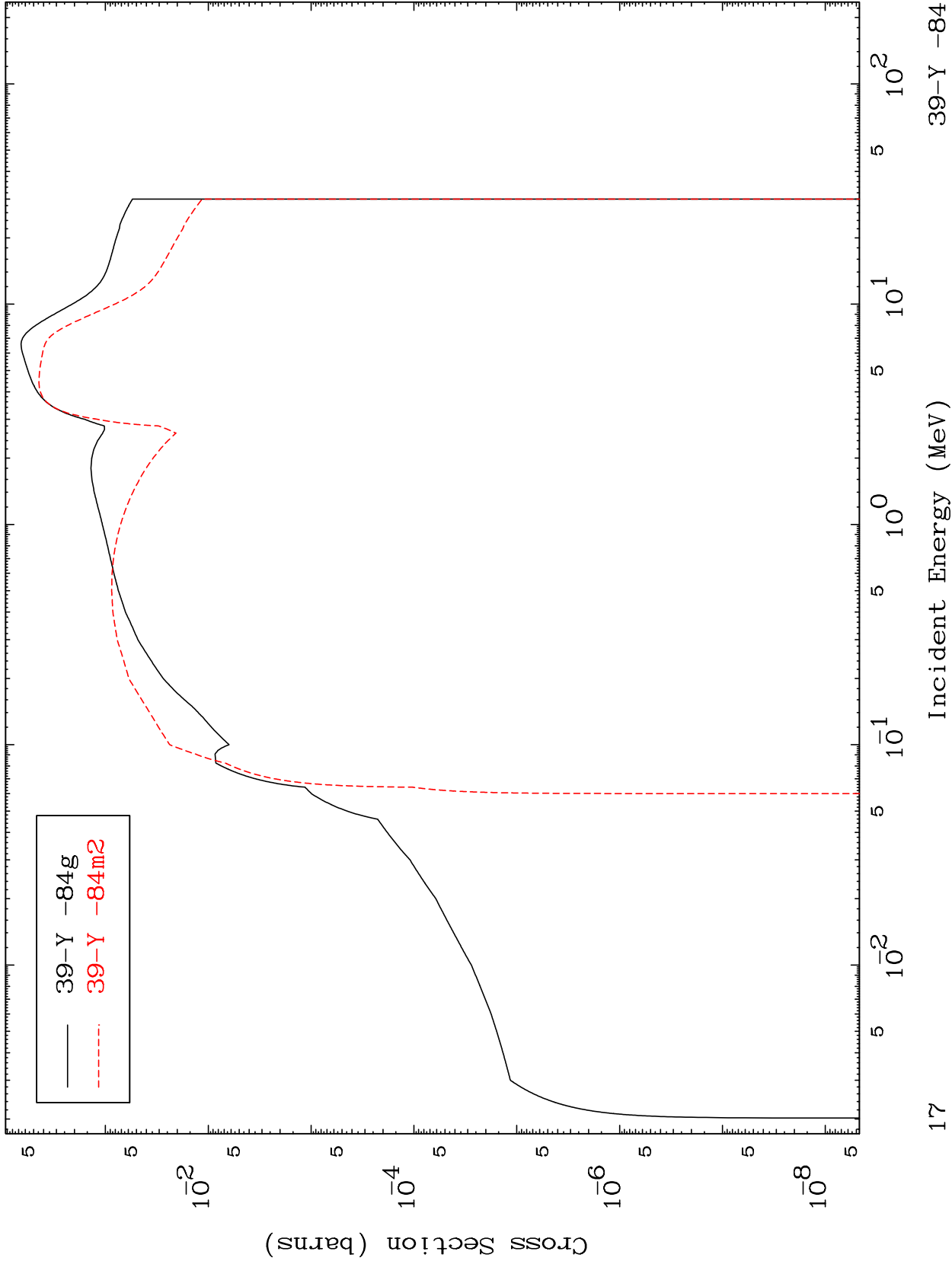
39-Y -84



MAT 3911

39-Y -84

Inelastic
Radionuclide Production Cross Section



17

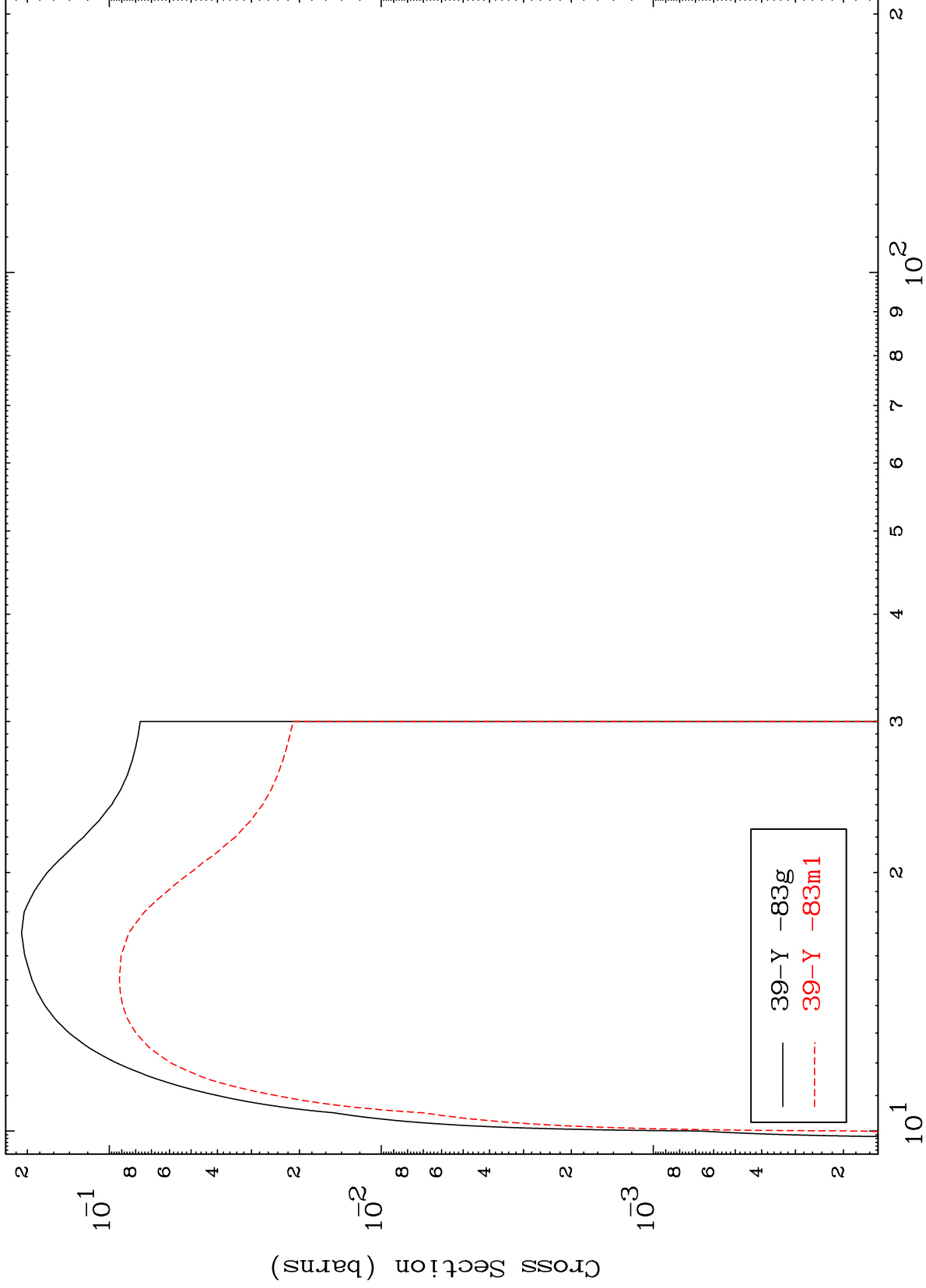
39-Y -84

MAT 3911

(n,2n)

39-Y -84

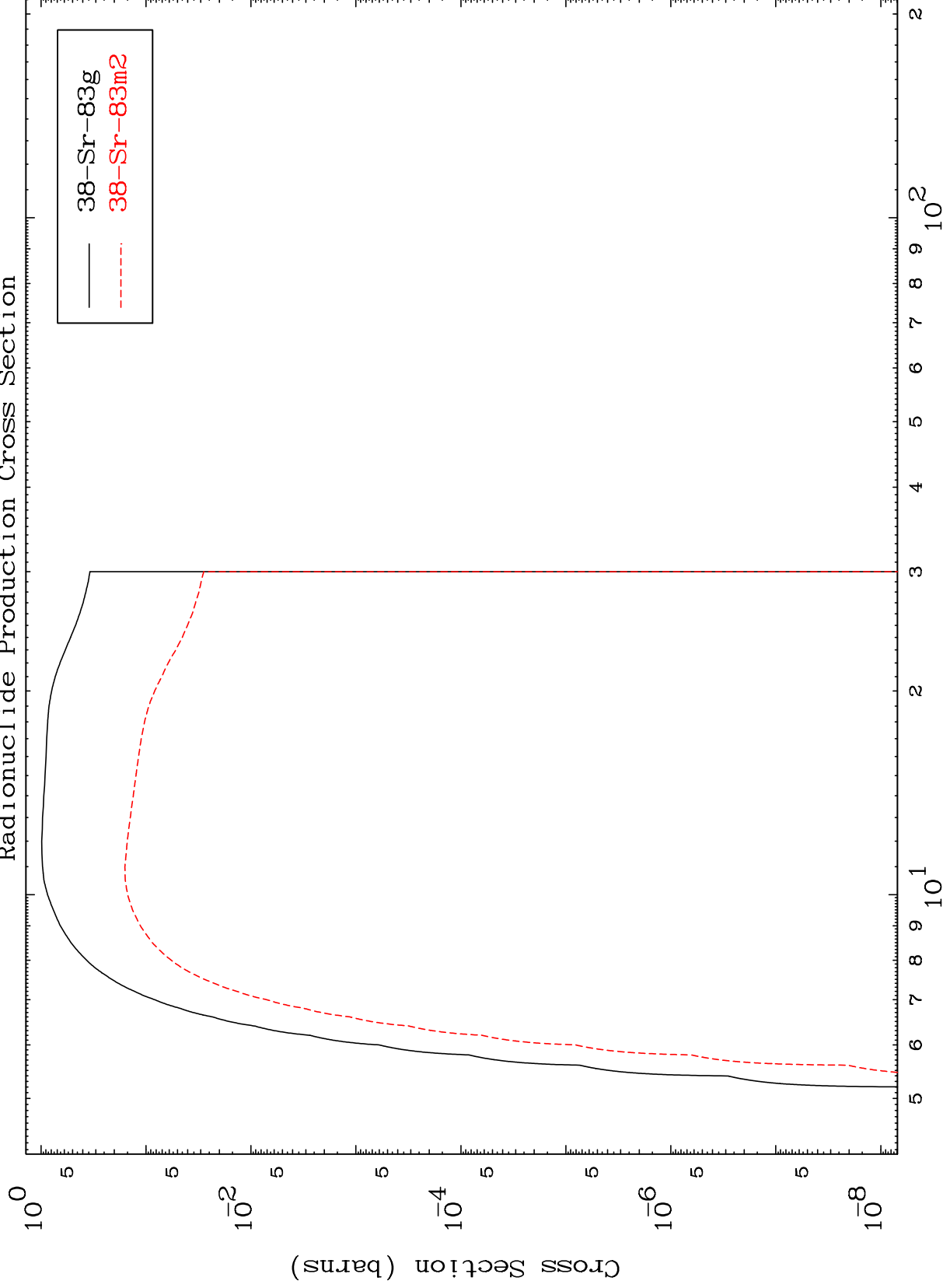
Radionuclide Production Cross Section



Incident Energy (MeV)

39-Y -84

Radionuclide Production Cross Section

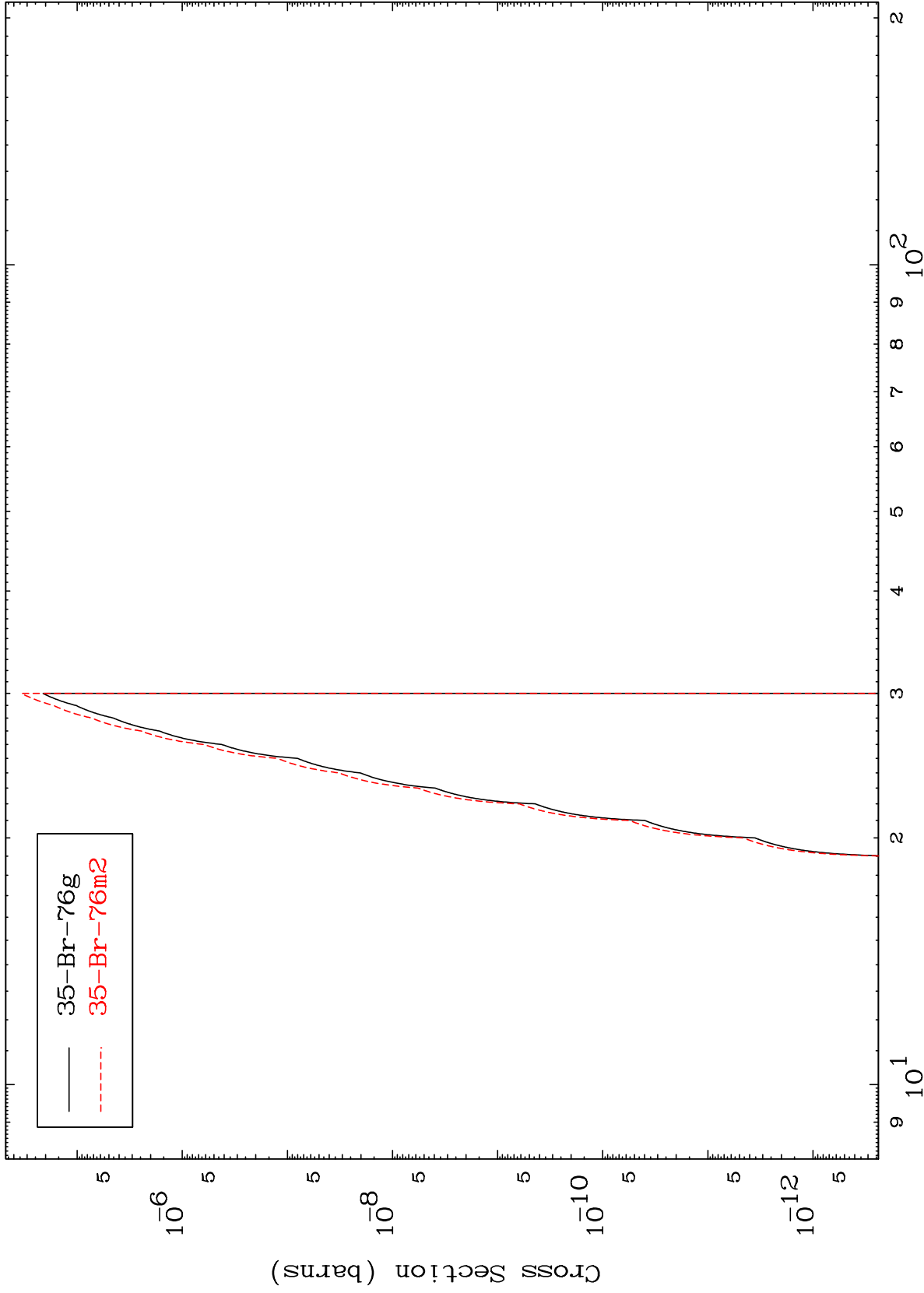


MAT 3911

(n,n') 2α

39-Y -84

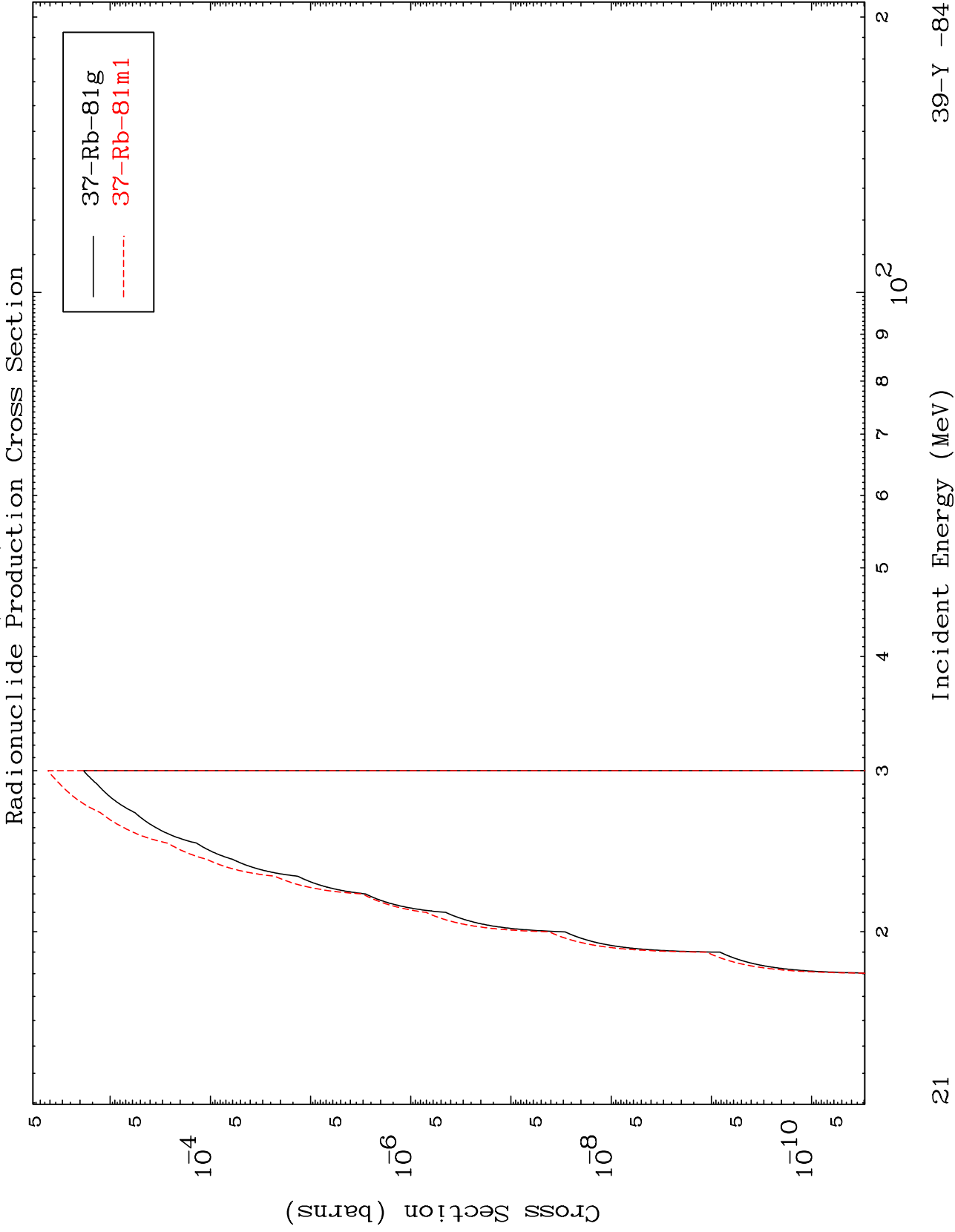
Radionuclide Production Cross Section



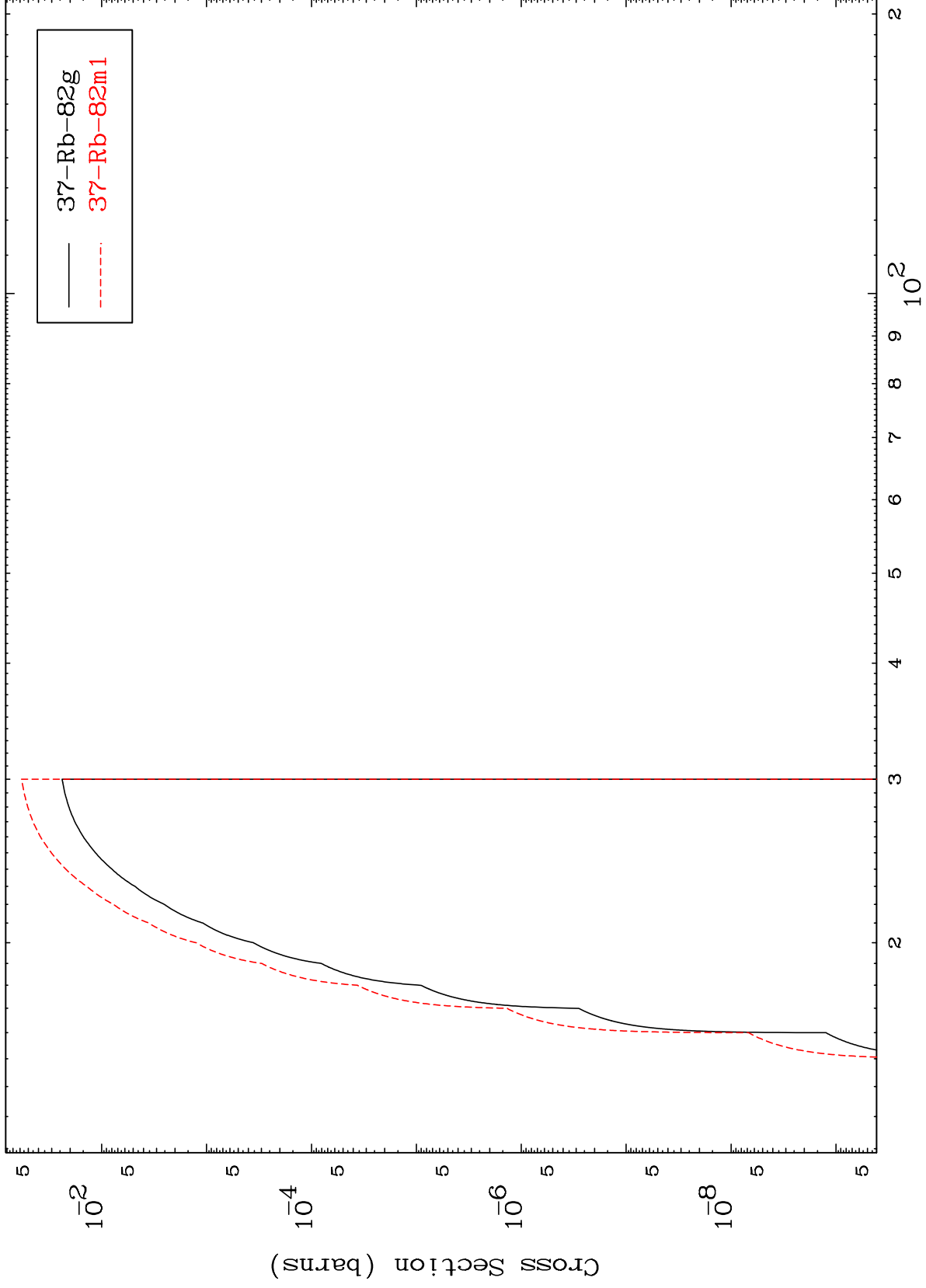
20

Incident Energy (MeV)

39-Y -84



Radionuclide Production Cross Section

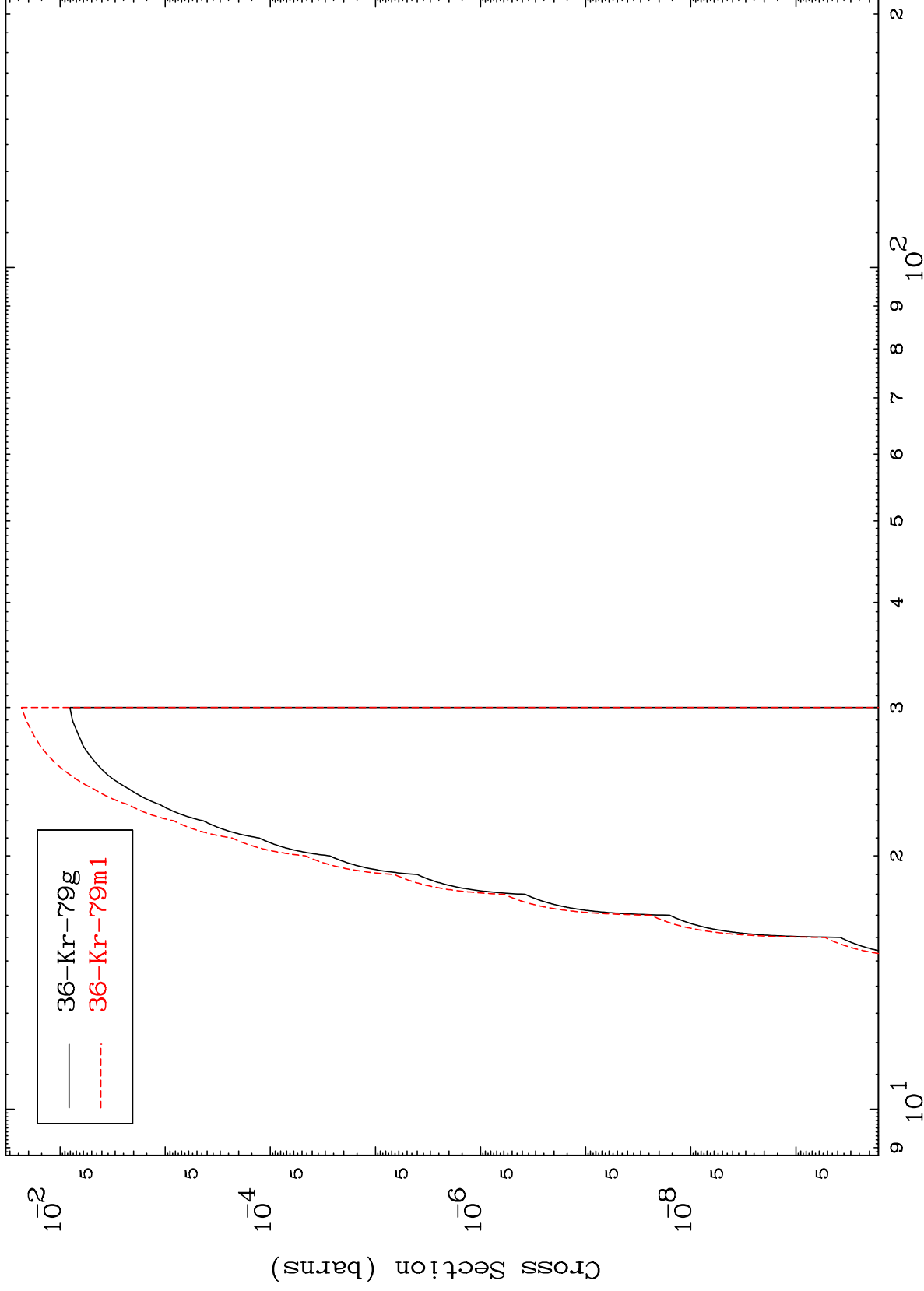


MAT 3911

(n,n') p α

39-Y -84

Radionuclide Production Cross Section



23

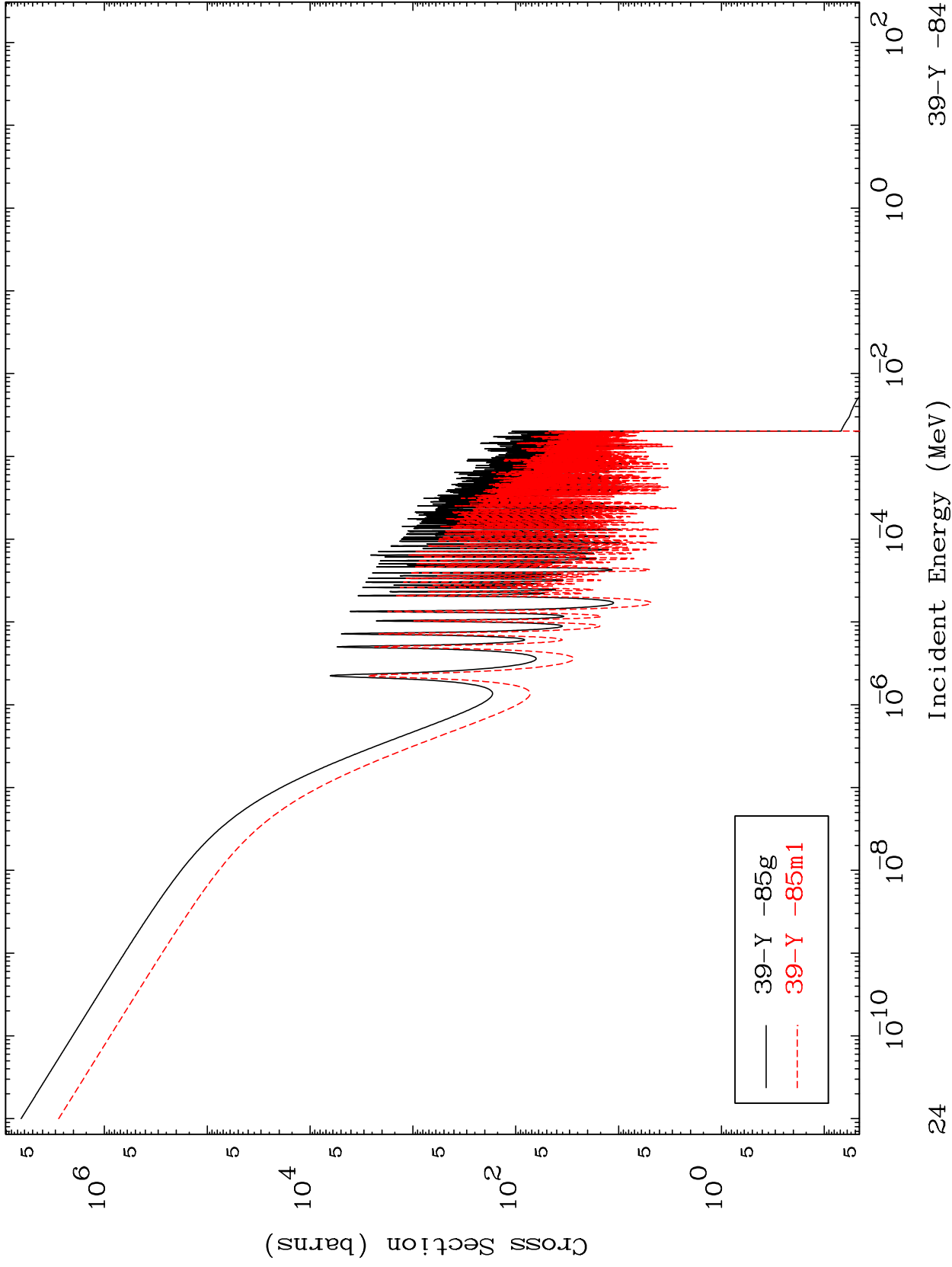
Incident Energy (MeV)

39-Y -84

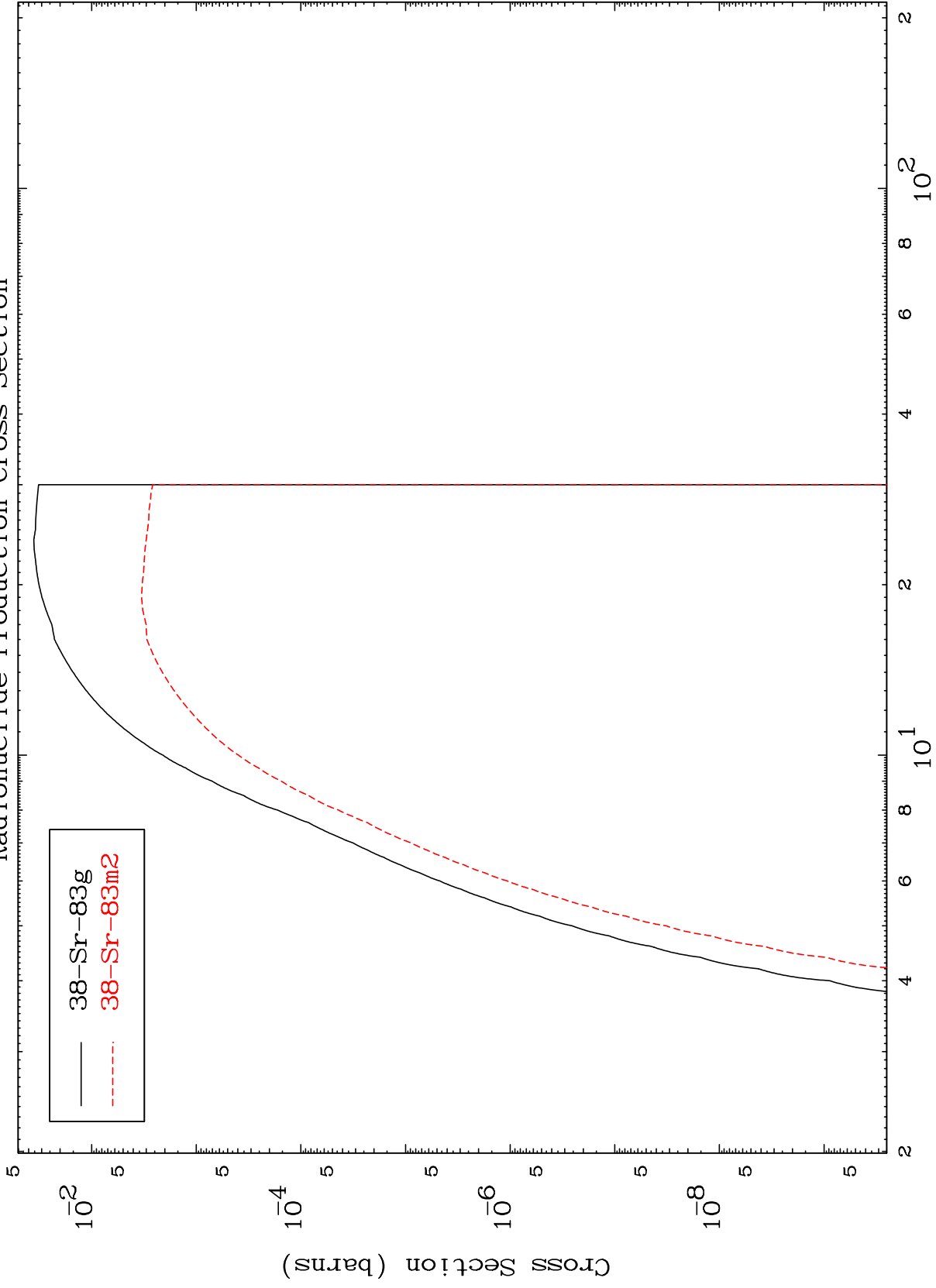
MAT 3911

39-Y -84

(n,γ)
Radionuclide Production Cross Section



(n,d)
Radionuclide Production Cross Section

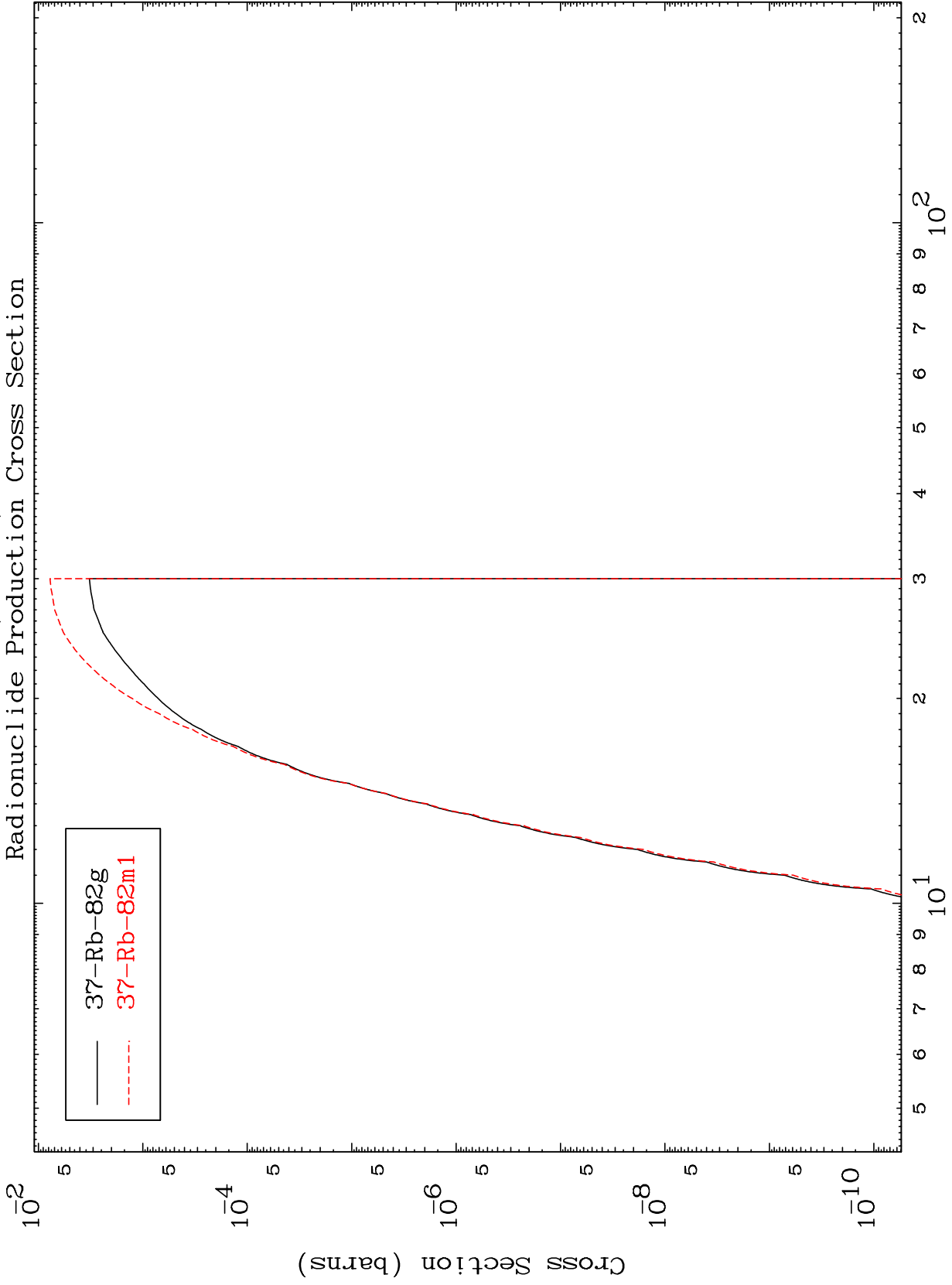


— 38-Sr-83g
- - - 38-Sr-83m2

MAT 3911

(n,He-3)

39-Y -84



26

Incident Energy (MeV)

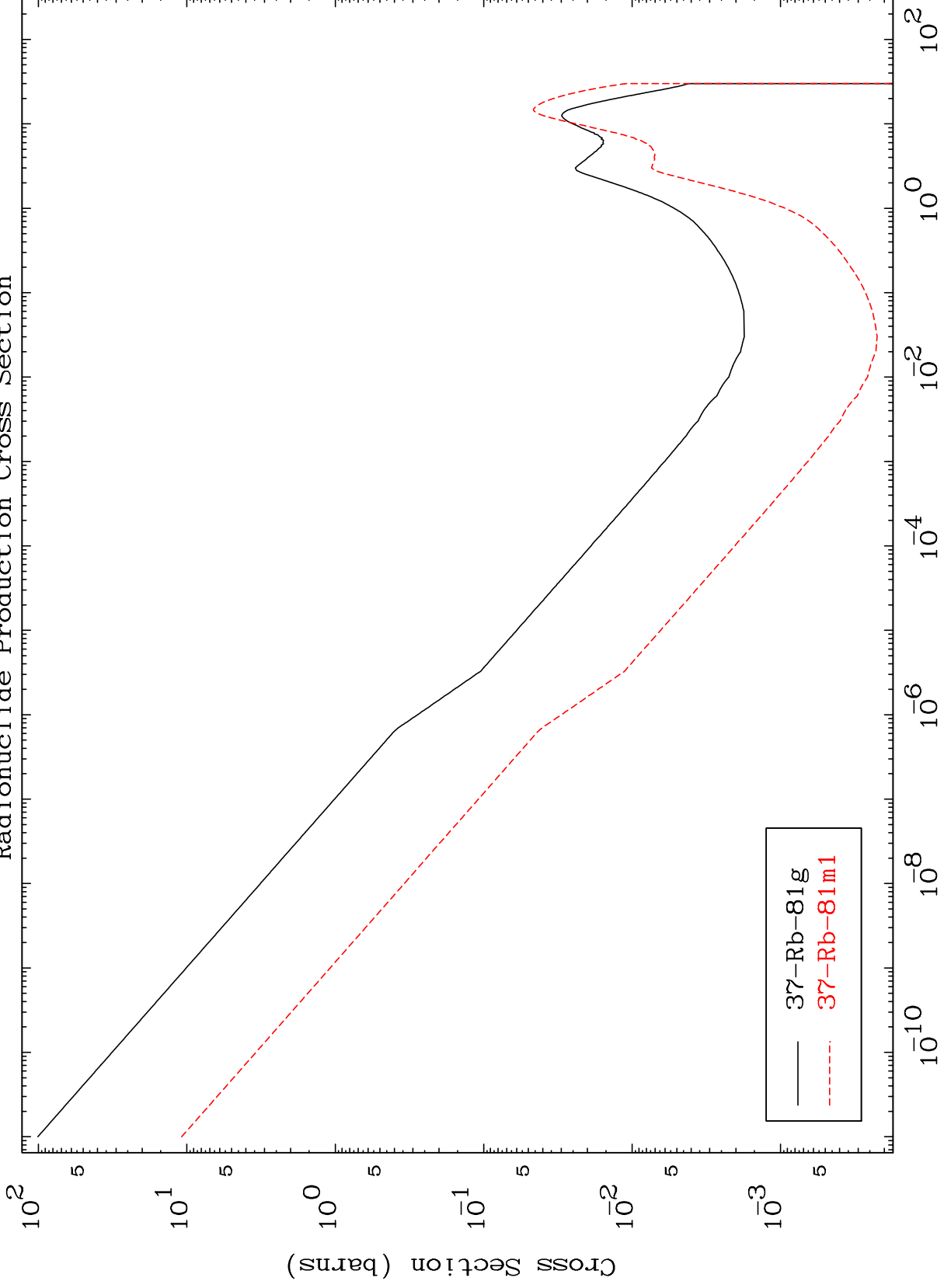
39-Y -84

MAT 3911

(n, α)

39-Y -84

Radionuclide Production Cross Section



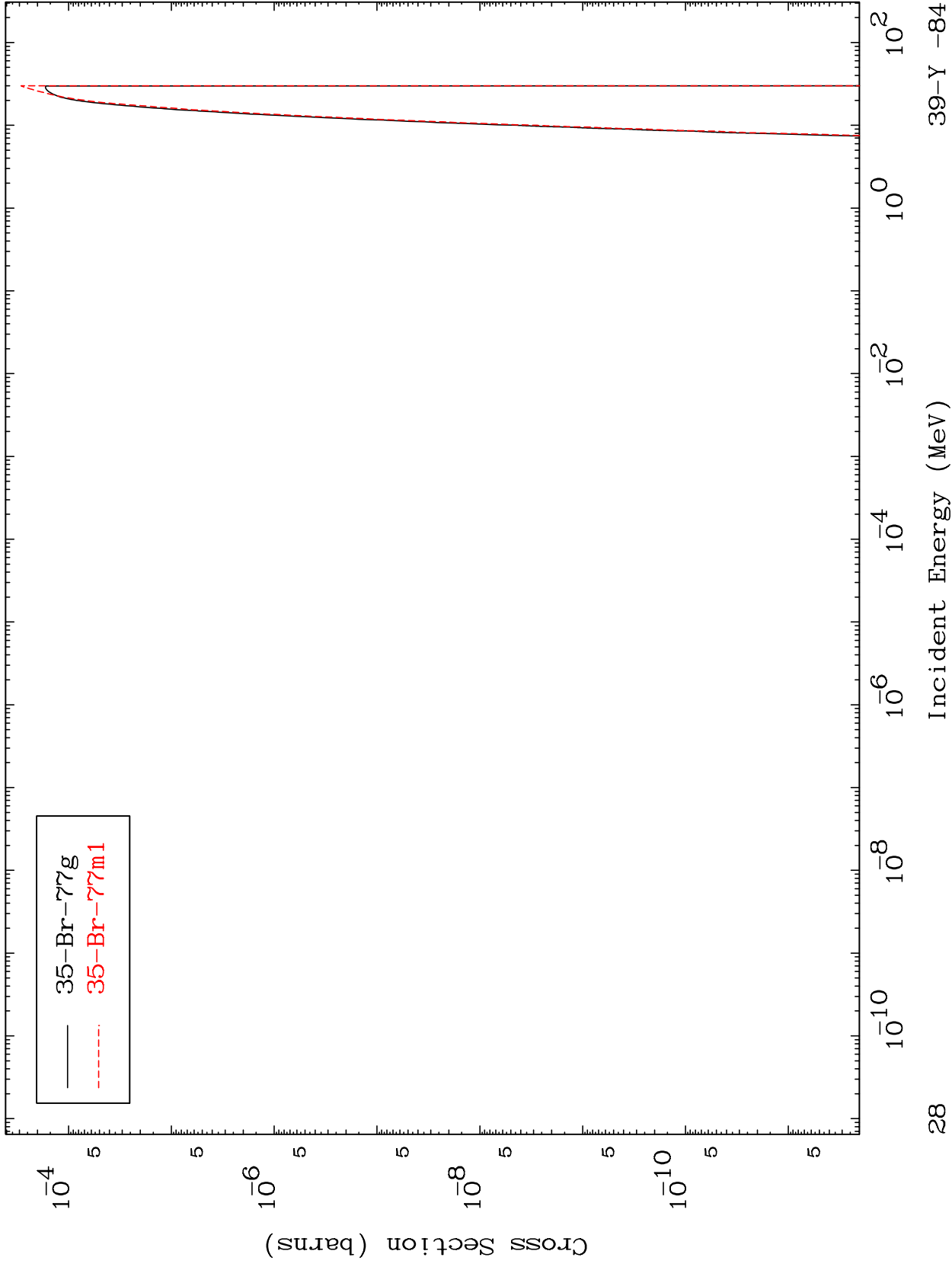
— ^{81}gRb
- - - $^{81}\text{m1Rb}$

MAT 3911

(n,2α)

39-Y -84

Radionuclide Production Cross Section



28

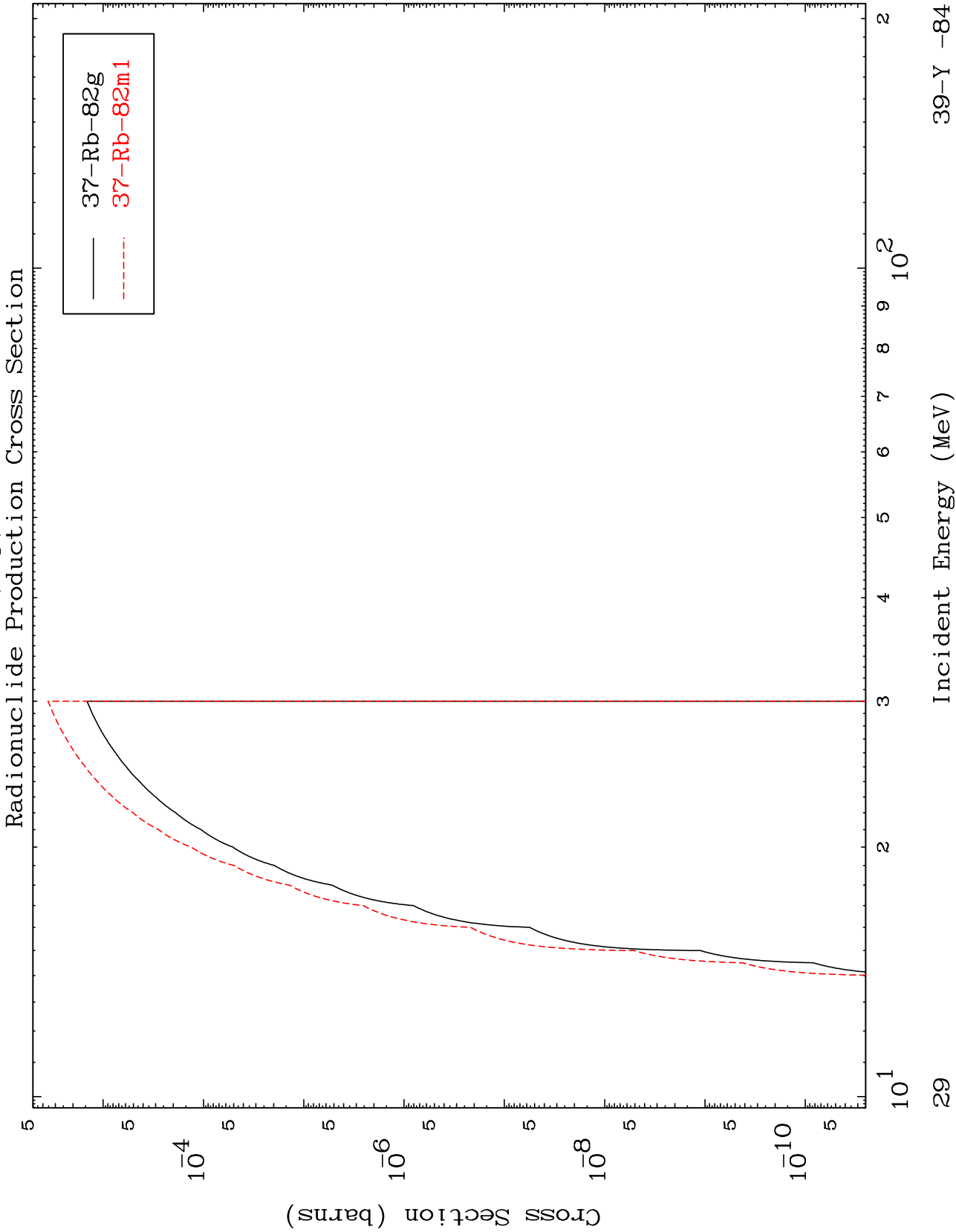
Incident Energy (MeV)

39-Y -84

MAT 3911

(n,p) d

39-Y -84

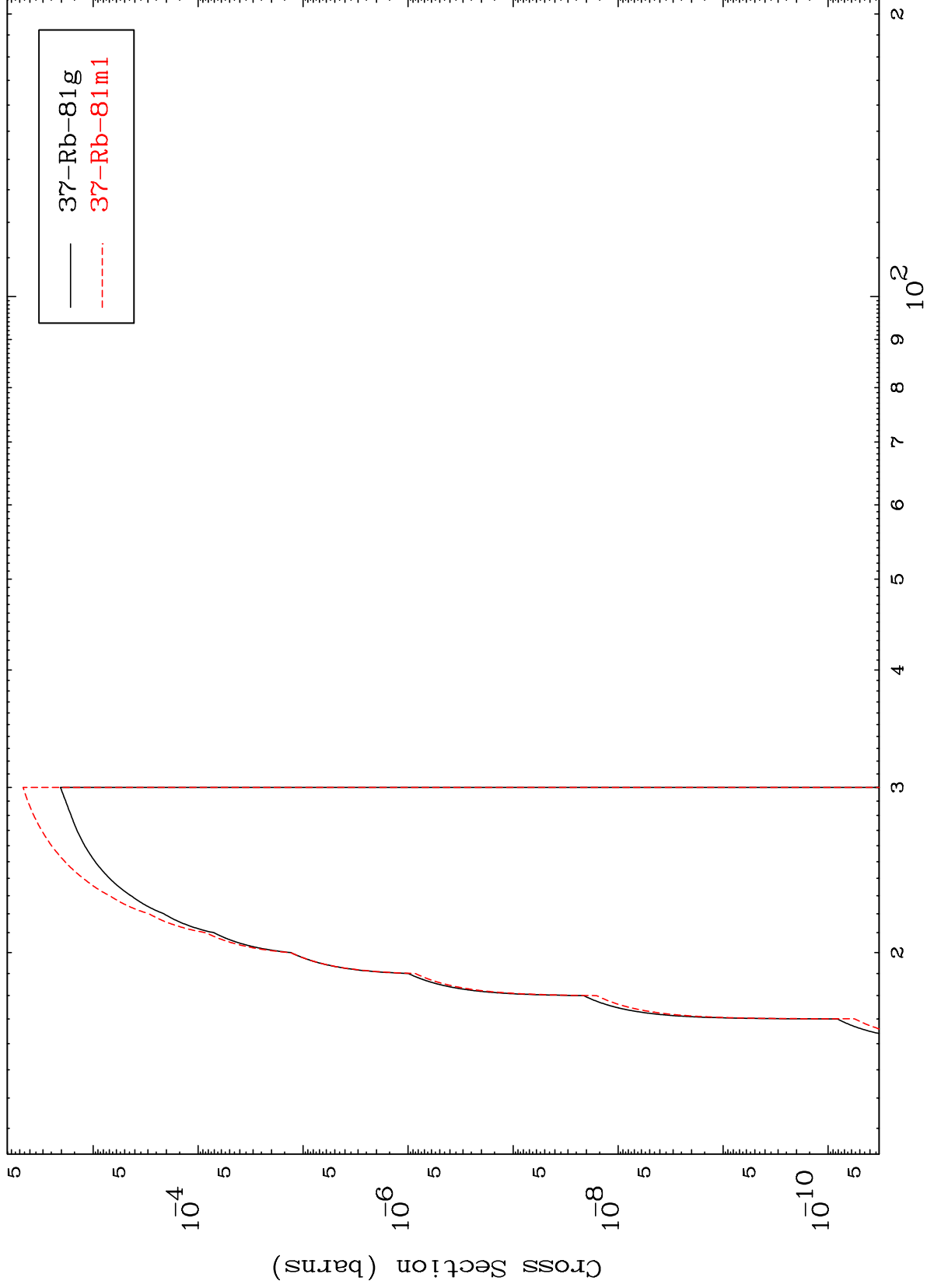


29

Incident Energy (MeV)

39-Y -84

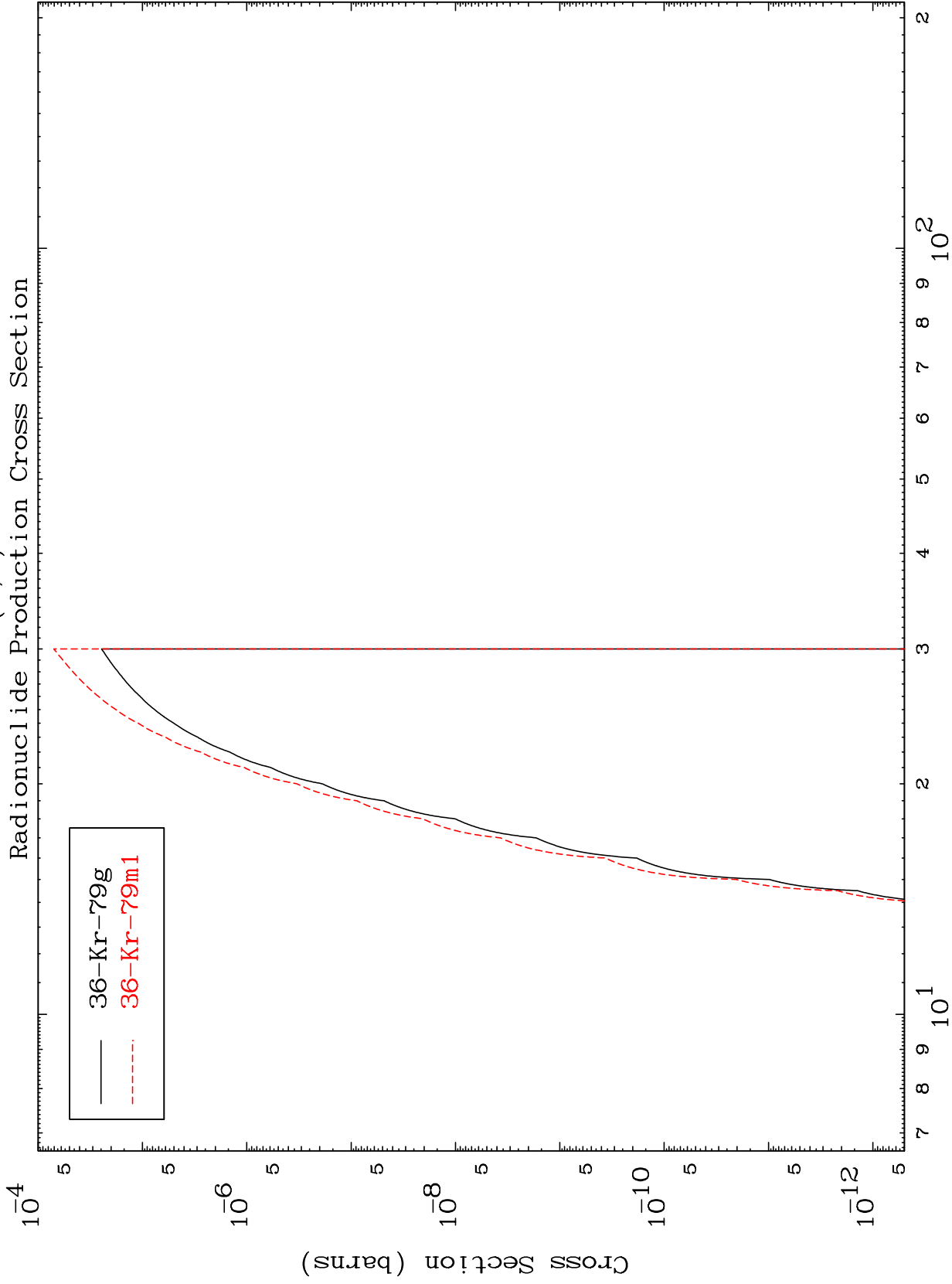
Radionuclide Production Cross Section



MAT 3911

(n,d) α

39-Y -84



31

Incident Energy (MeV)

39-Y -84