

Program EVALPLOT
(Version 2021-1)

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

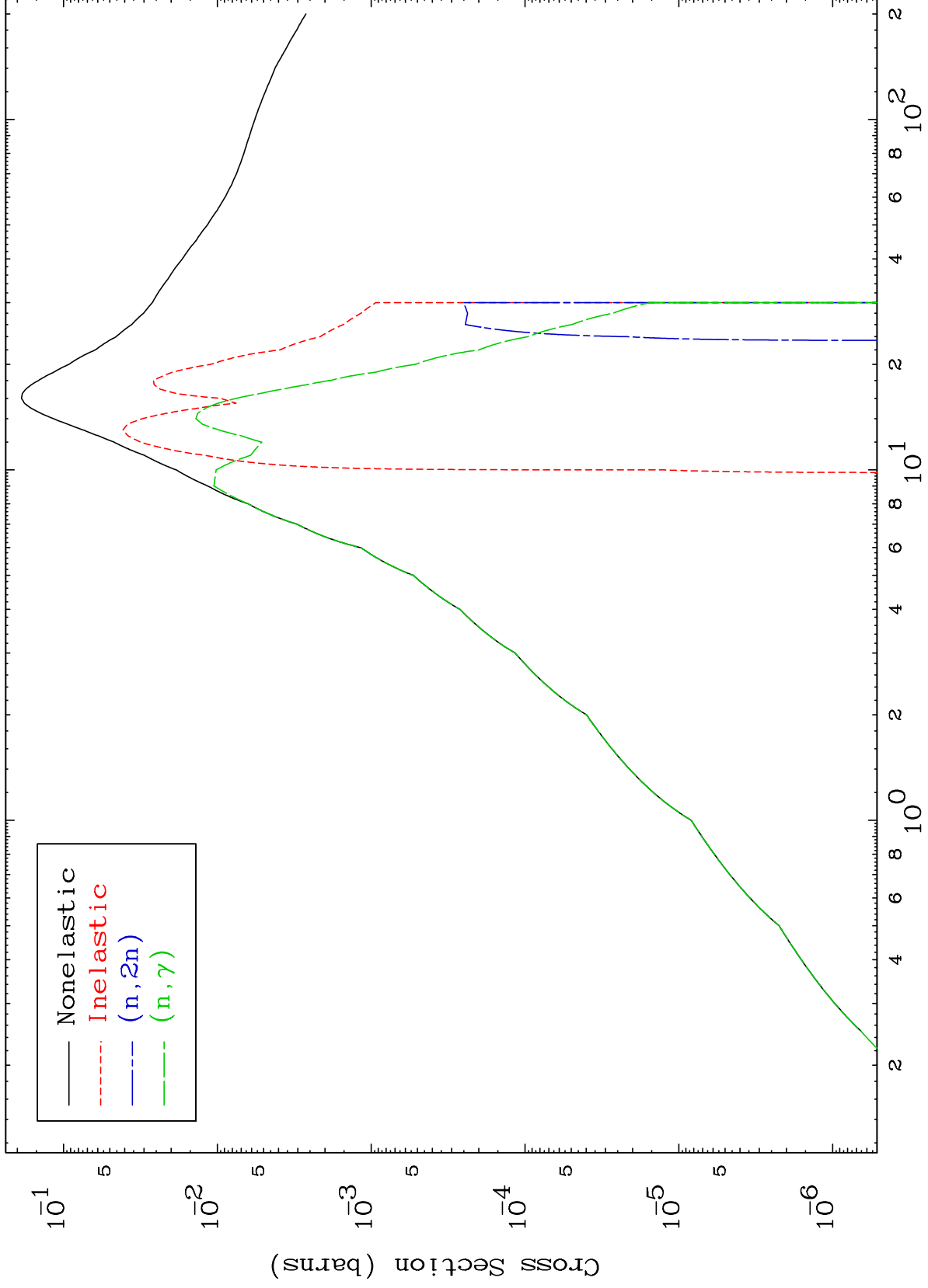
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4010

Photon Major
0 Kelvin Cross Sections

40-Zr-85



1

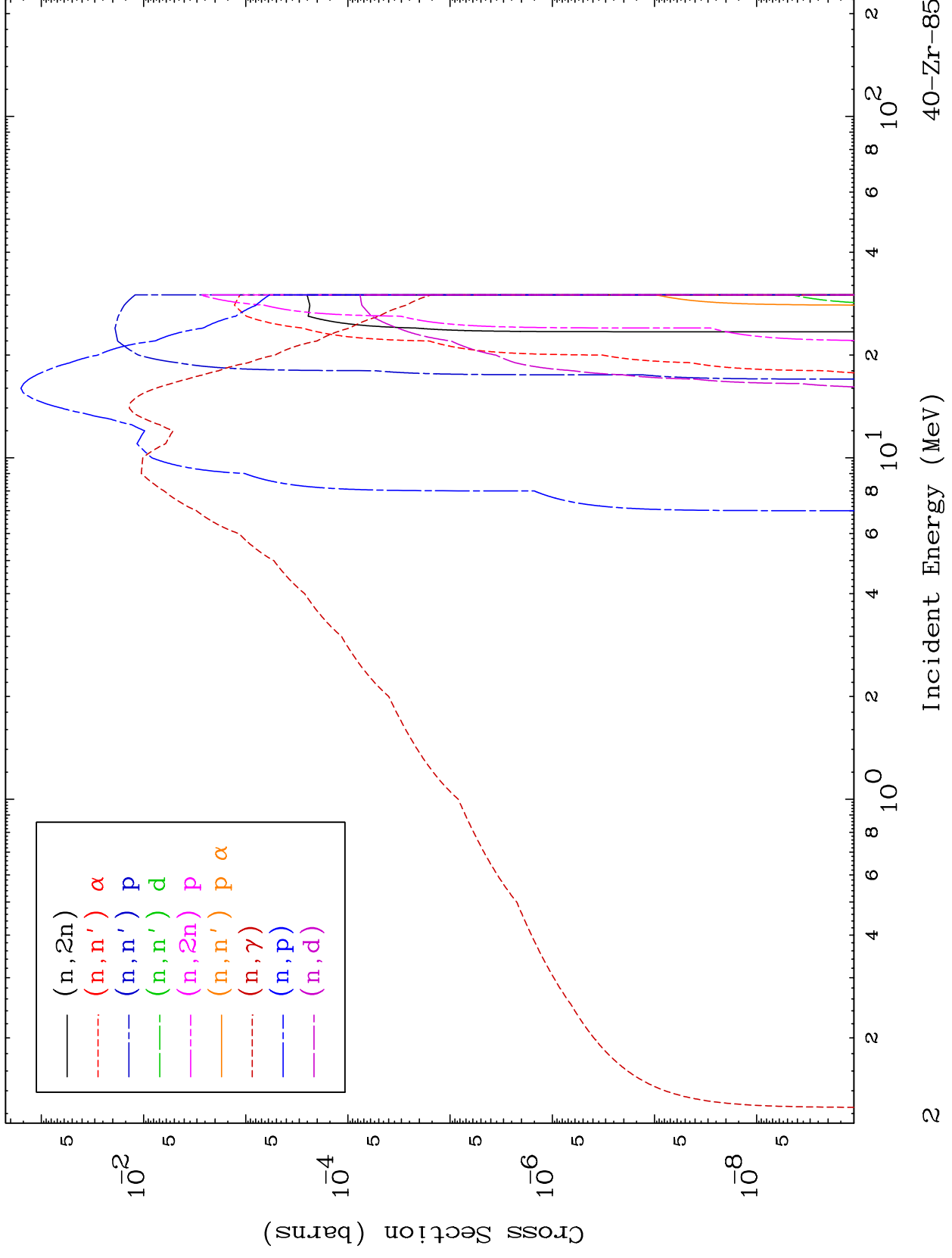
Incident Energy (MeV)

40-Zr-85

MAT 4010

Photon Neutron Absorption
0 Kelvin Cross Sections

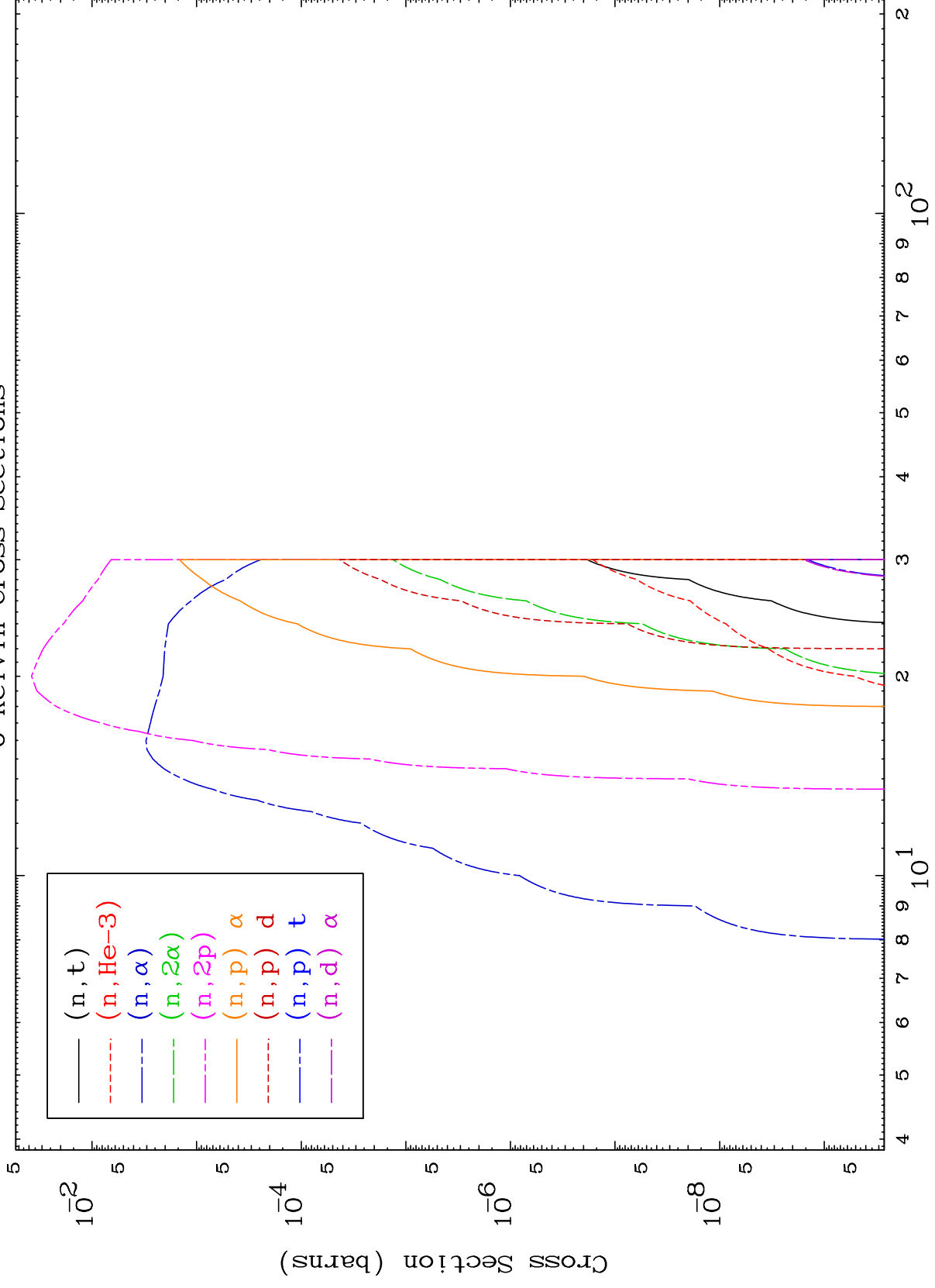
40-Zr-85



MAT 4010

Photon Neutron Absorption
0 Kelvin Cross Sections

40-Zr-85



3

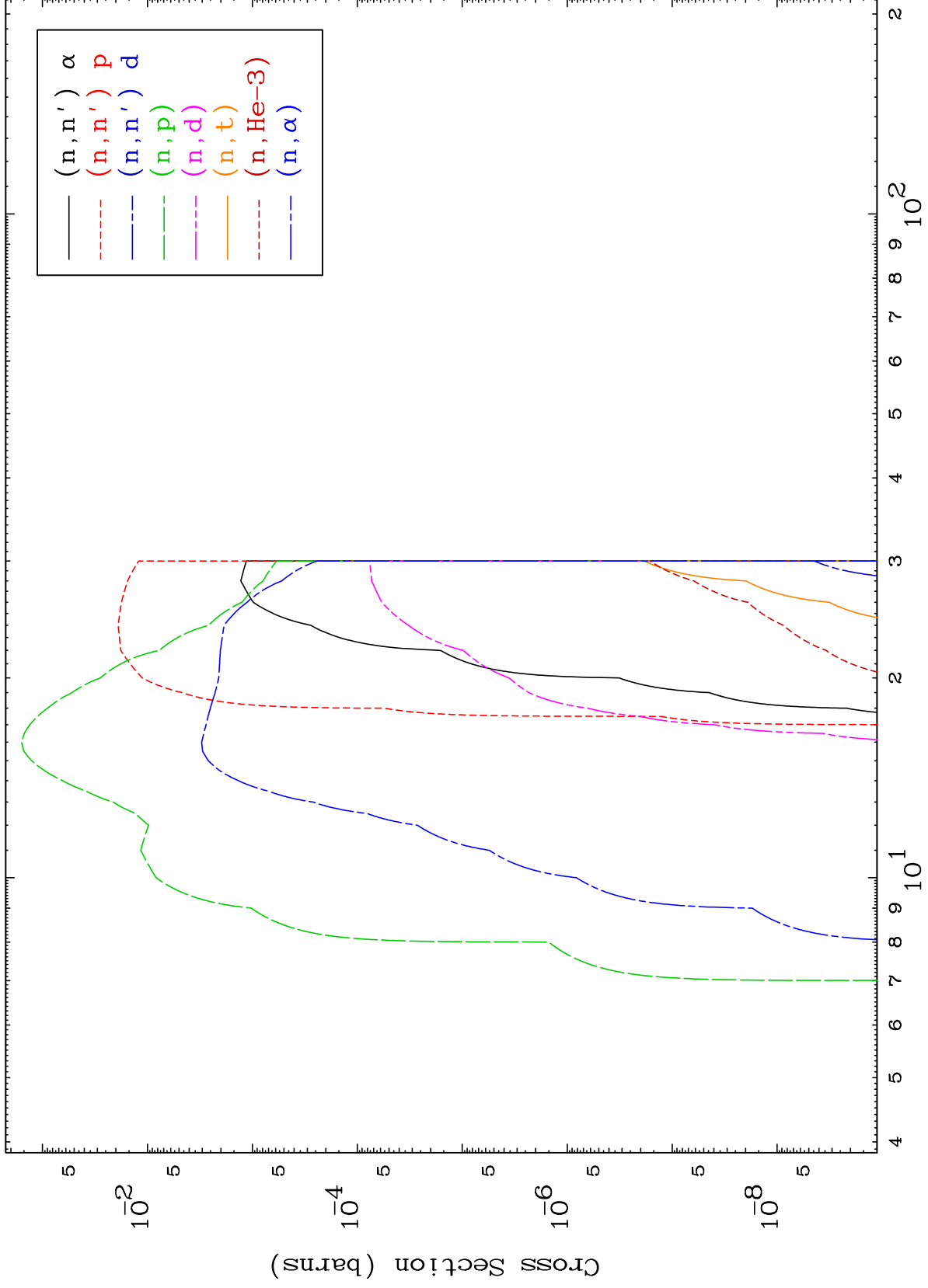
Incident Energy (MeV)

40-Zr-85

MAT 4010

Photon Charged Particle
0 Kelvin Cross Sections

40-Zr-85



4

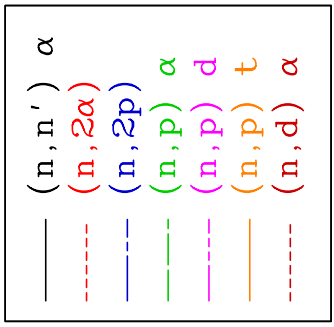
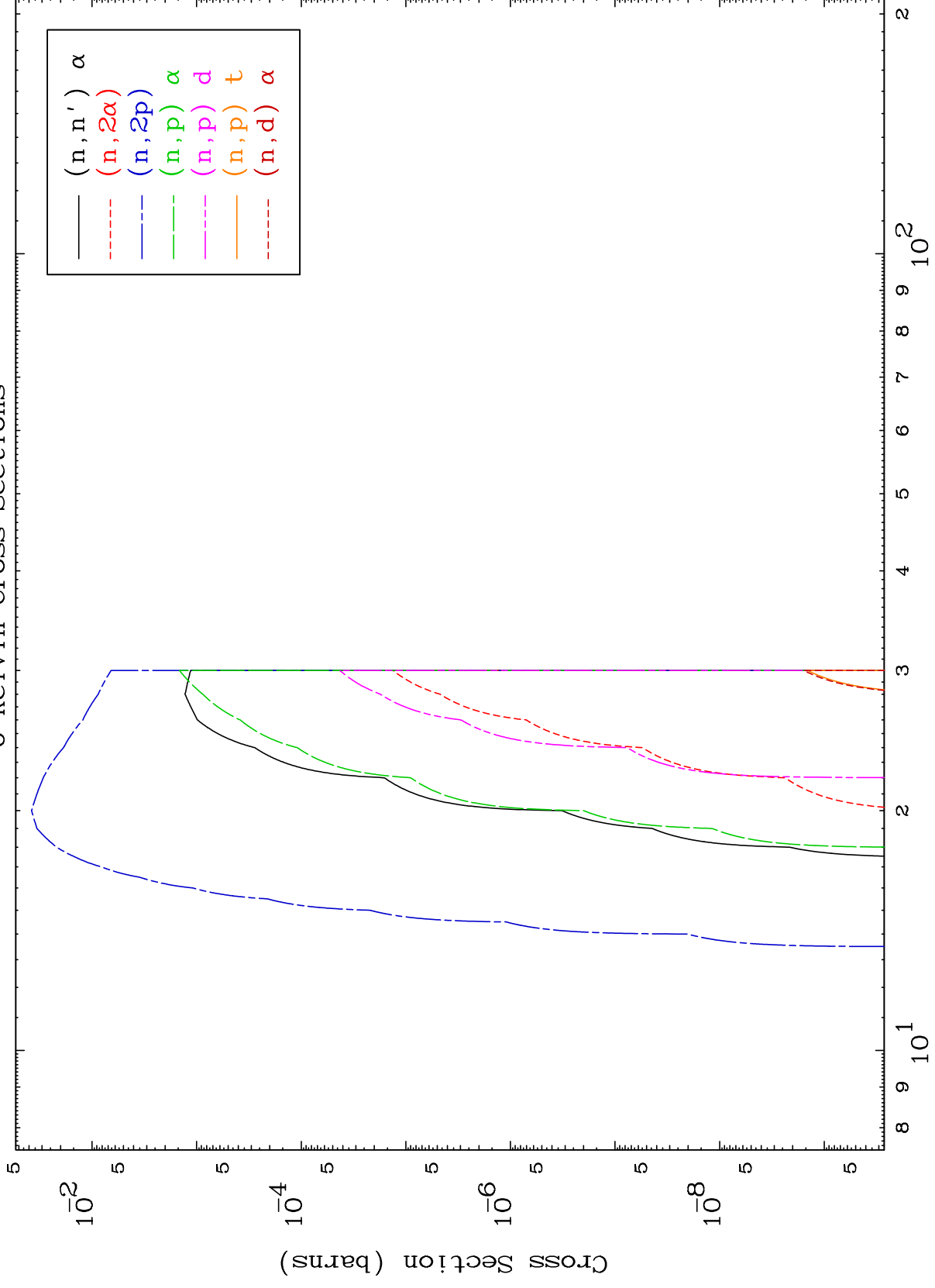
Incident Energy (MeV)

40-Zr-85

MAT 4010

Photon Charged Particle
0 Kelvin Cross Sections

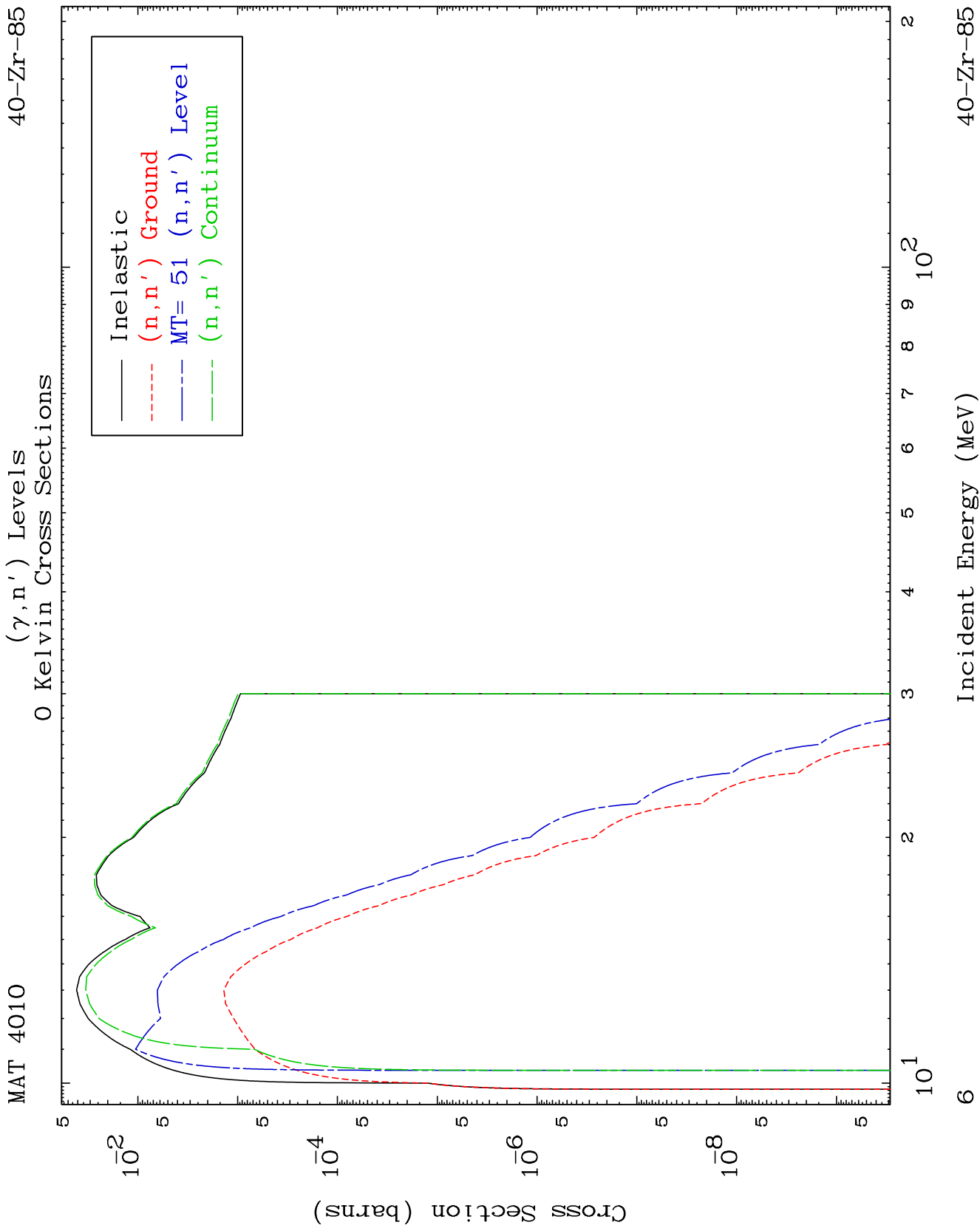
40-Zr-85



5

Incident Energy (MeV)

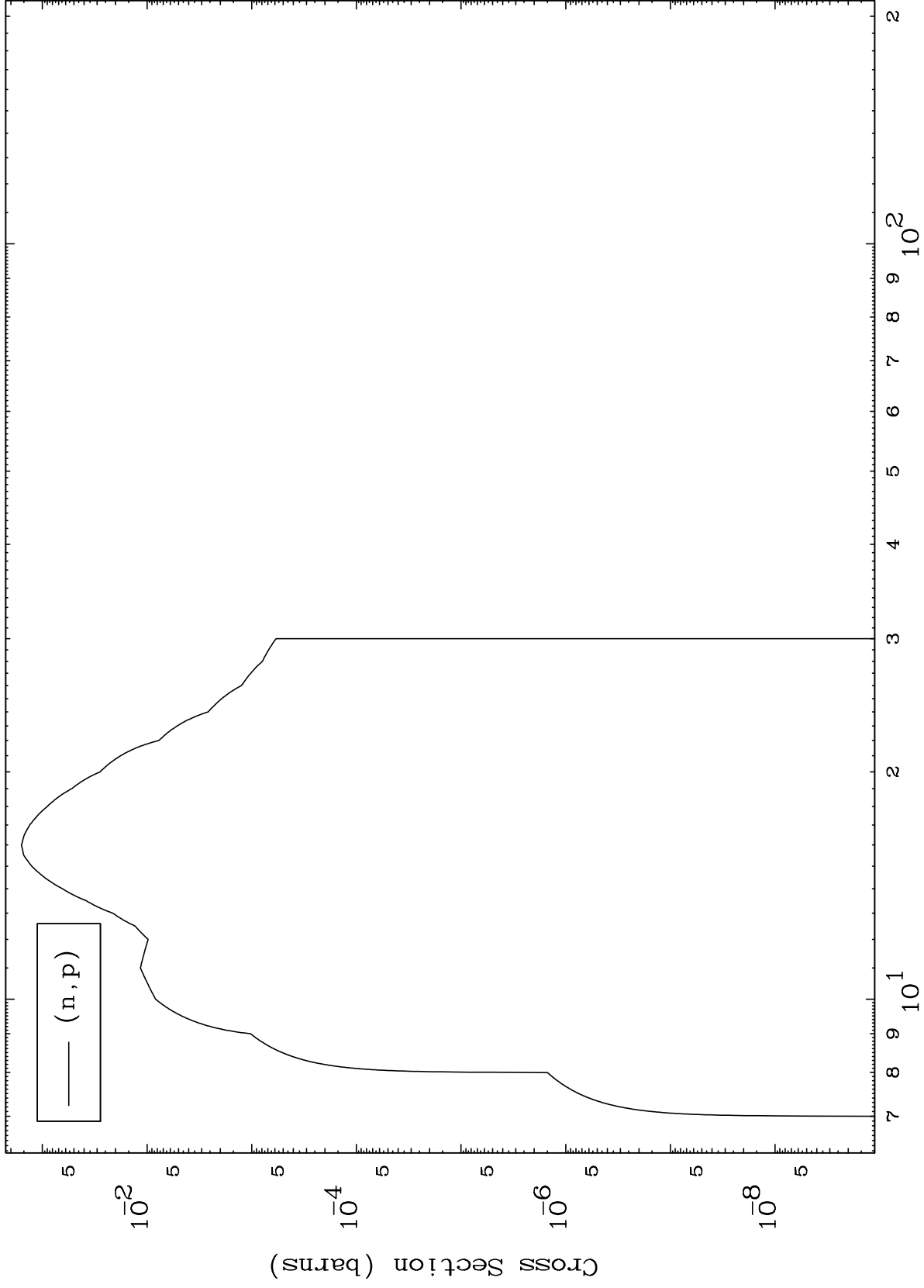
40-Zr-85



MAT 4010

(γ, p) Levels
0 Kelvin Cross Sections

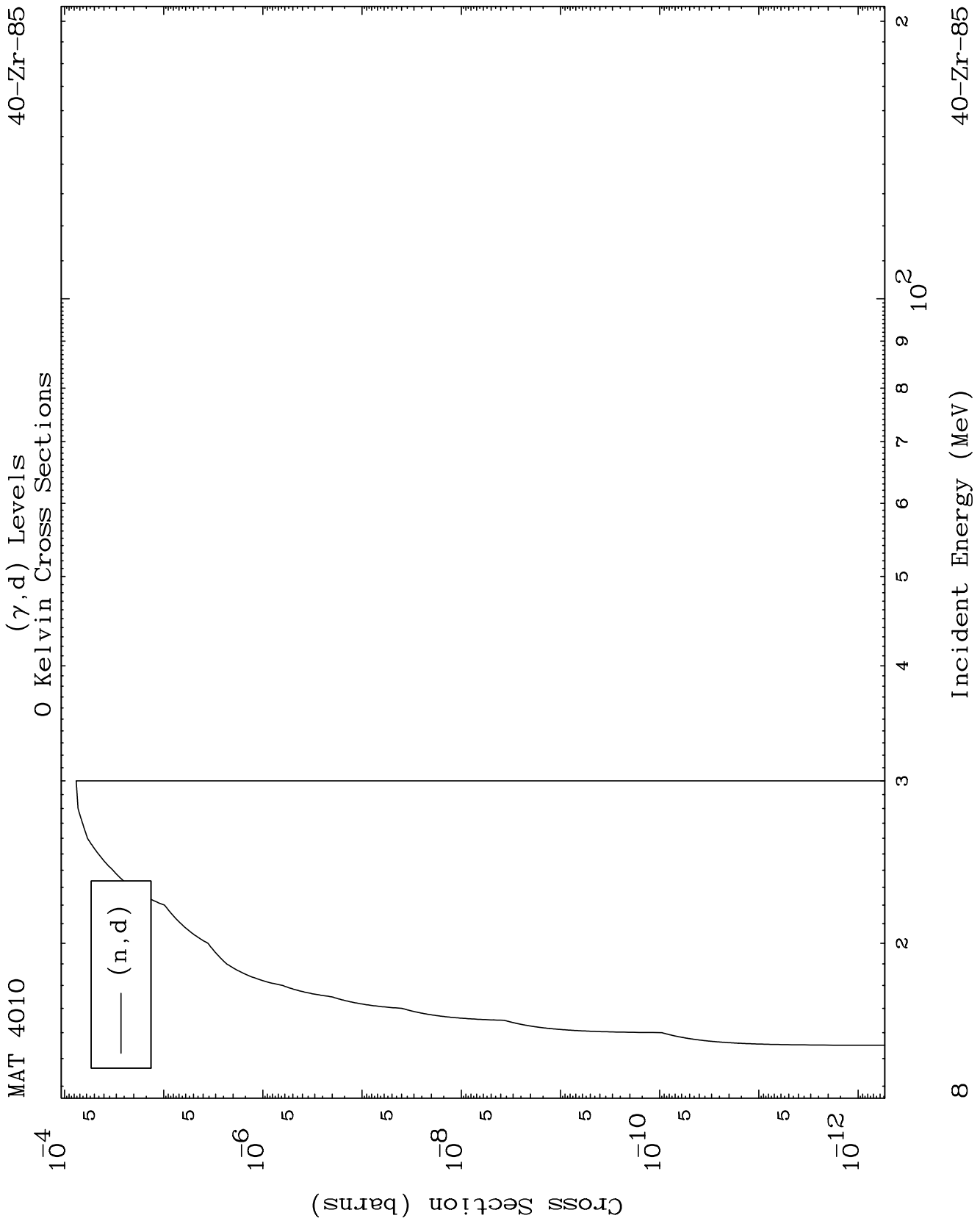
40-Zr-85



7

Incident Energy (MeV)

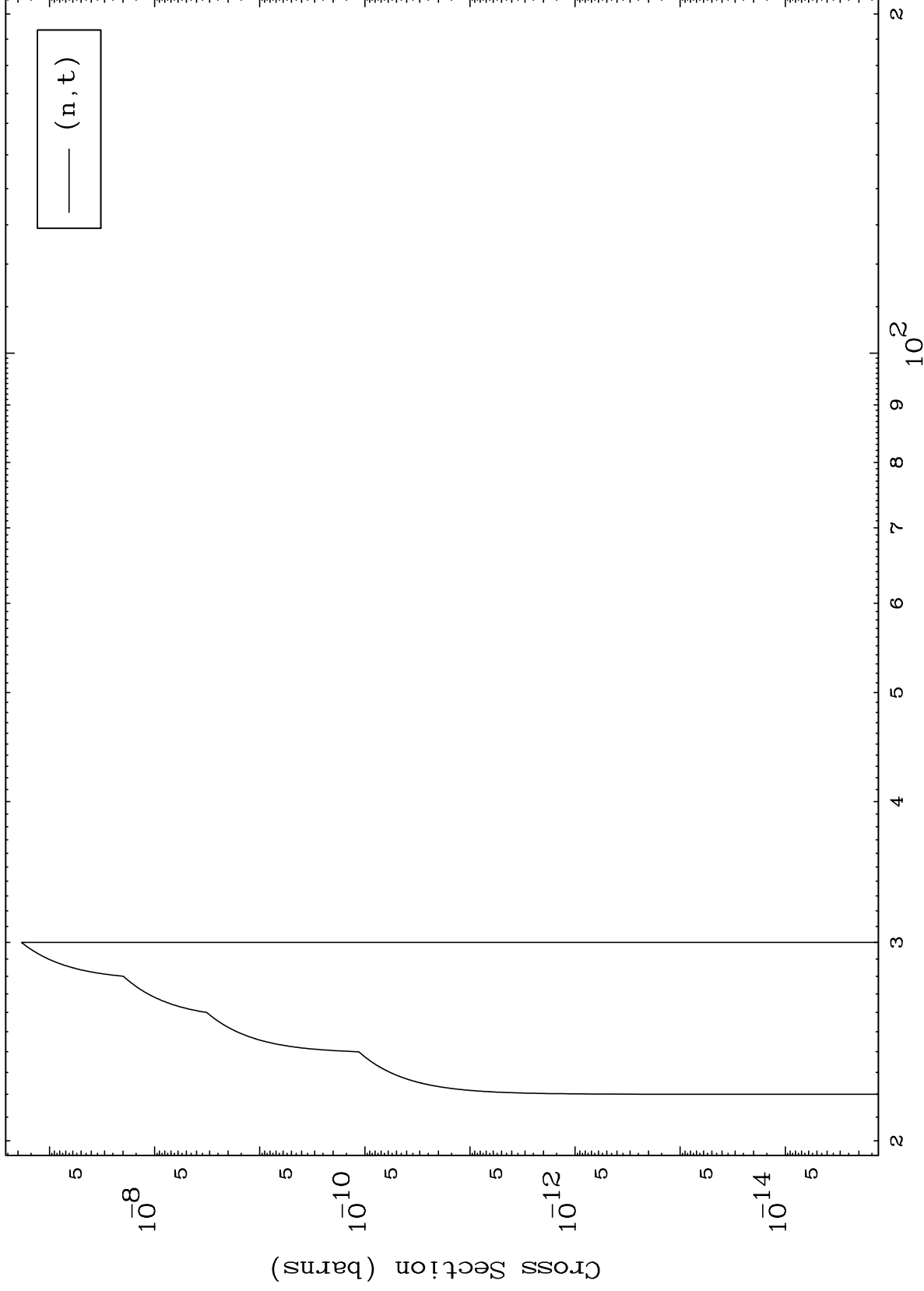
40-Zr-85



MAT 4010

(γ, t) Levels
0 Kelvin Cross Sections

40-Zr-85



9

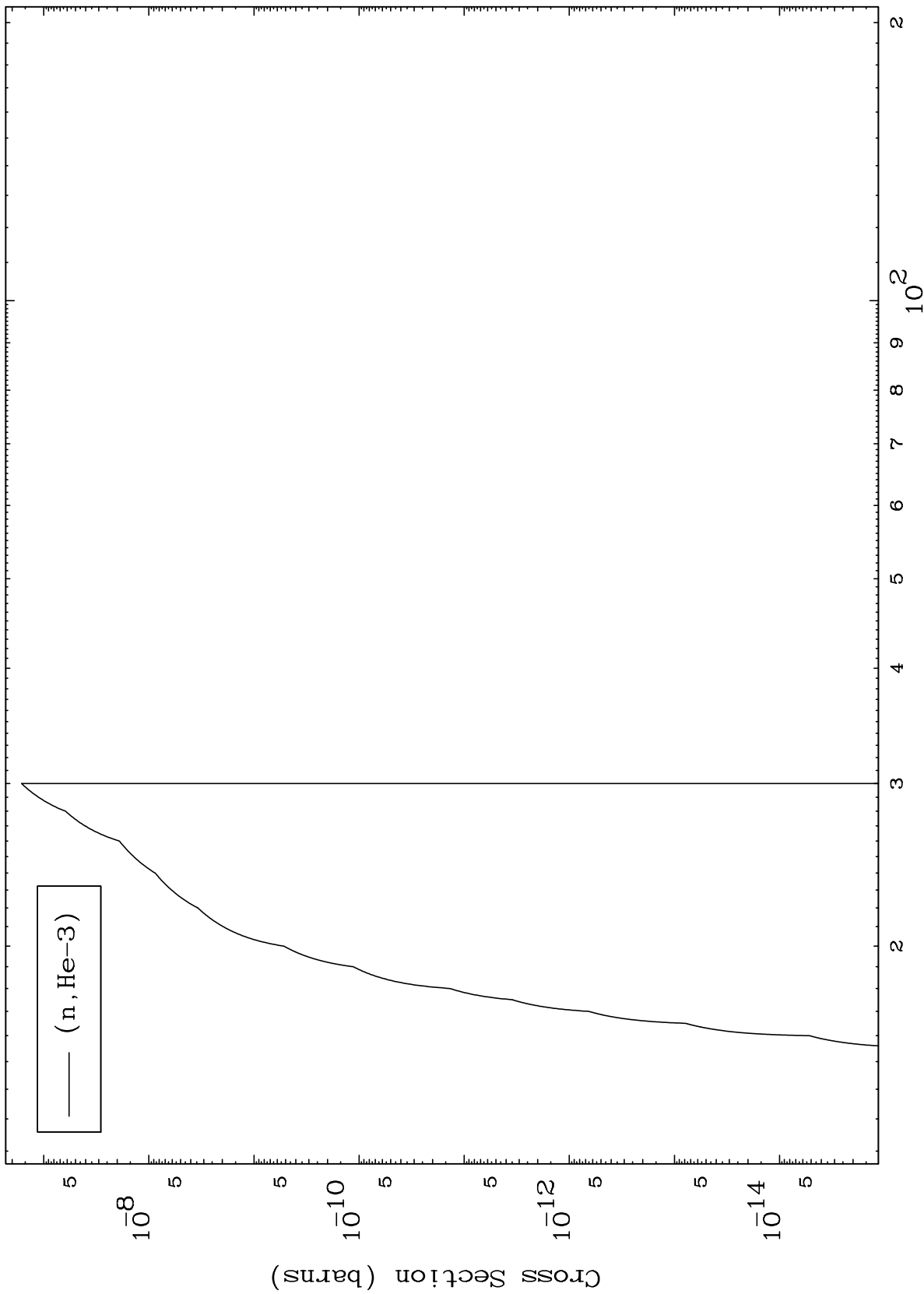
Incident Energy (MeV)

40-Zr-85

MAT 4010

40-Zr-85

($\gamma, \text{He}3$) Levels
0 Kelvin Cross Sections



10

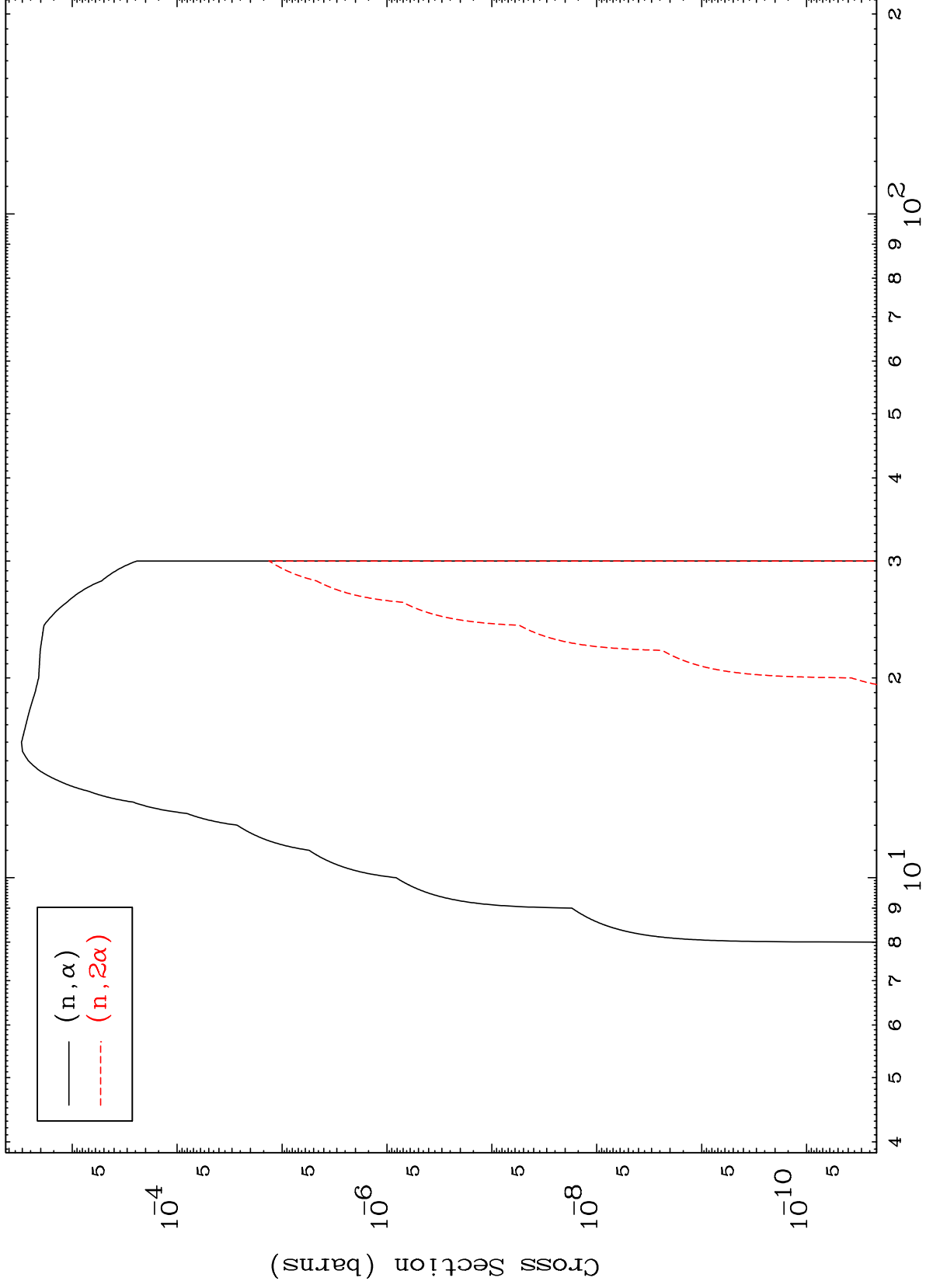
Incident Energy (MeV)

40-Zr-85

MAT 4010

(γ, α) Levels
0 Kelvin Cross Sections

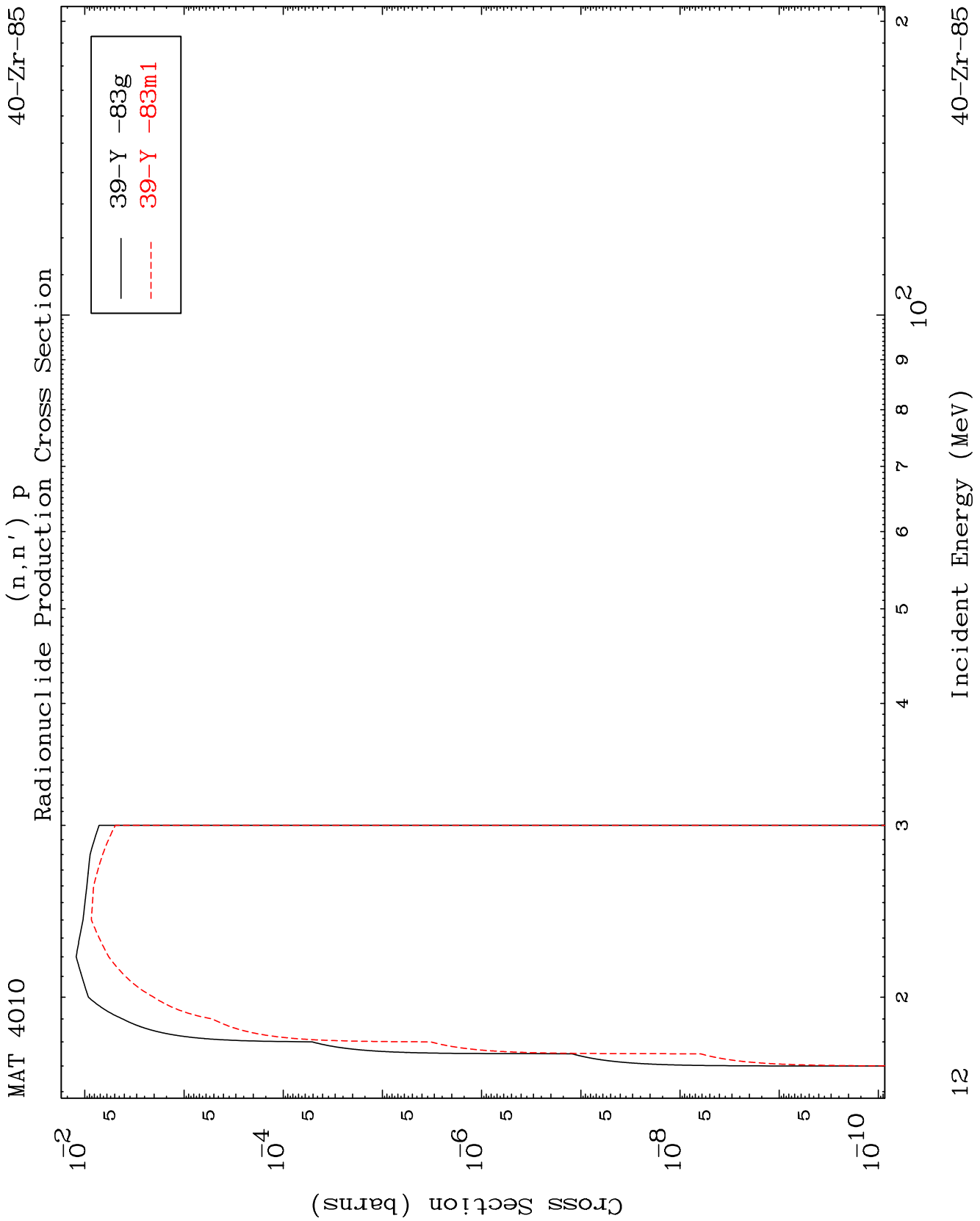
40-Zr-85



11

Incident Energy (MeV)

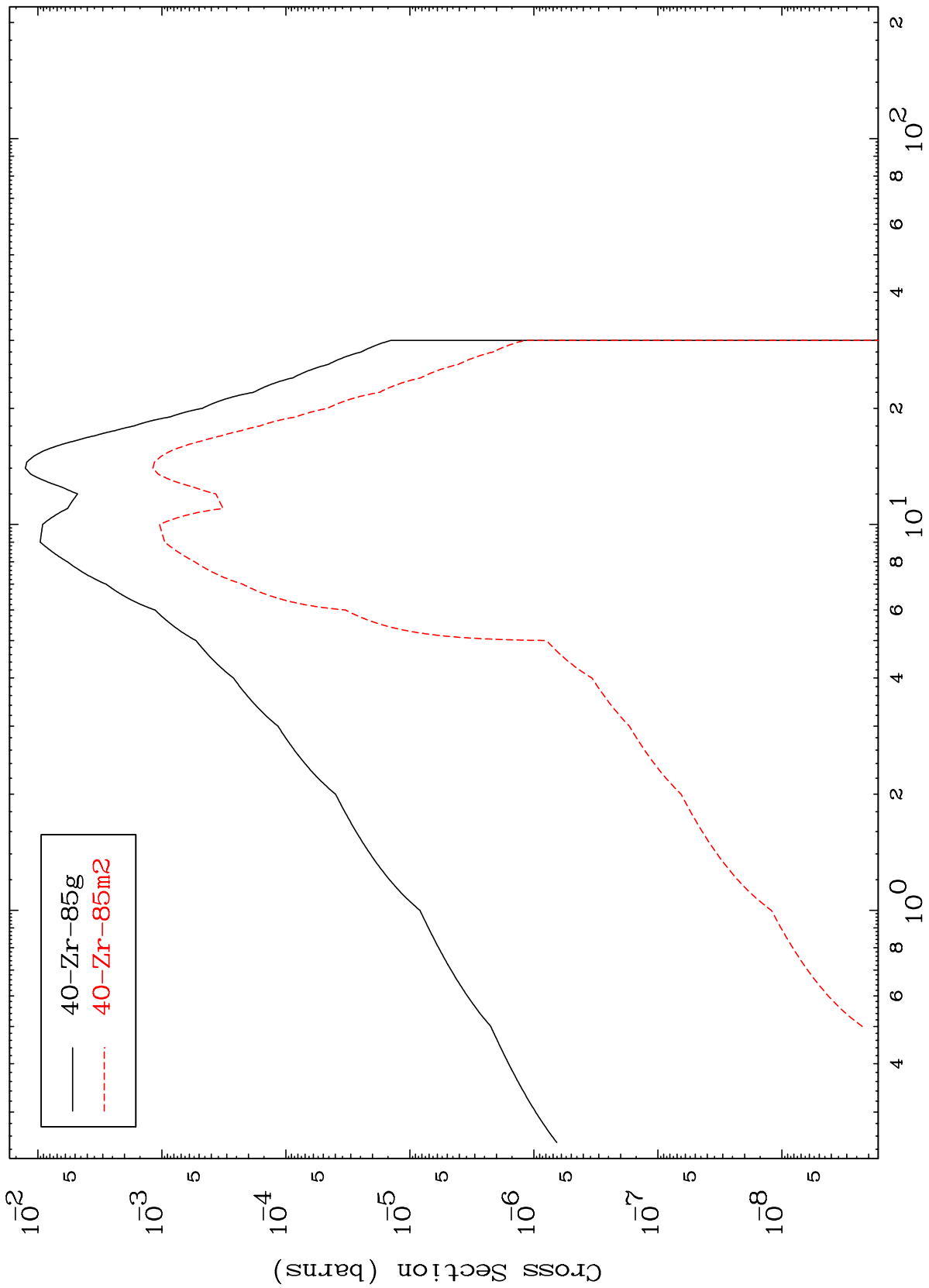
40-Zr-85



MAT 4010

40-Zr-85

Radionuclide Production Cross Section (n,γ)



— 40-Zr-85g
- - - 40-Zr-85m2

Incident Energy (MeV)

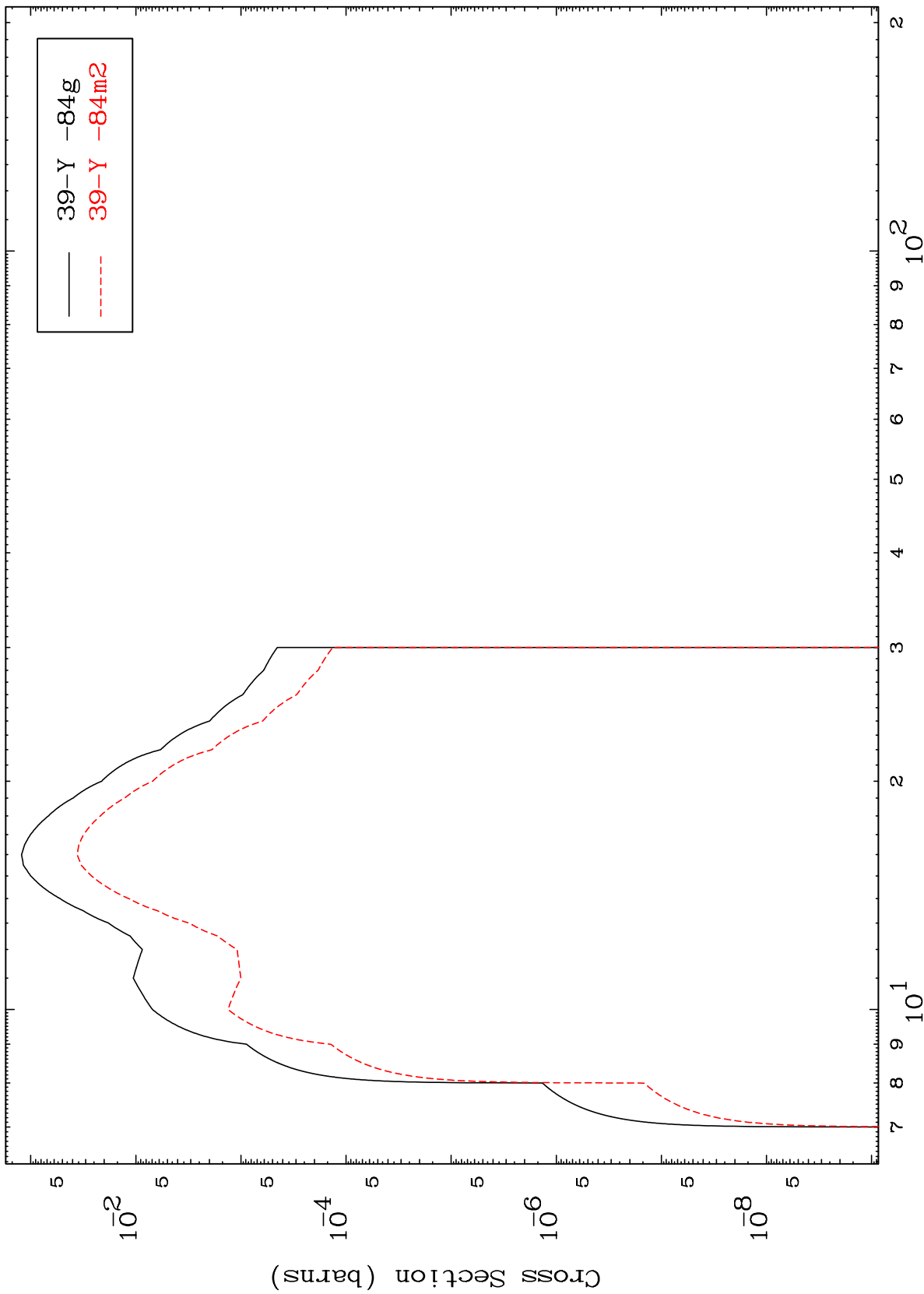
40-Zr-85

13

MAT 4010

40-Zr-85

(n,p)
Radionuclide Production Cross Section



40-Zr-85

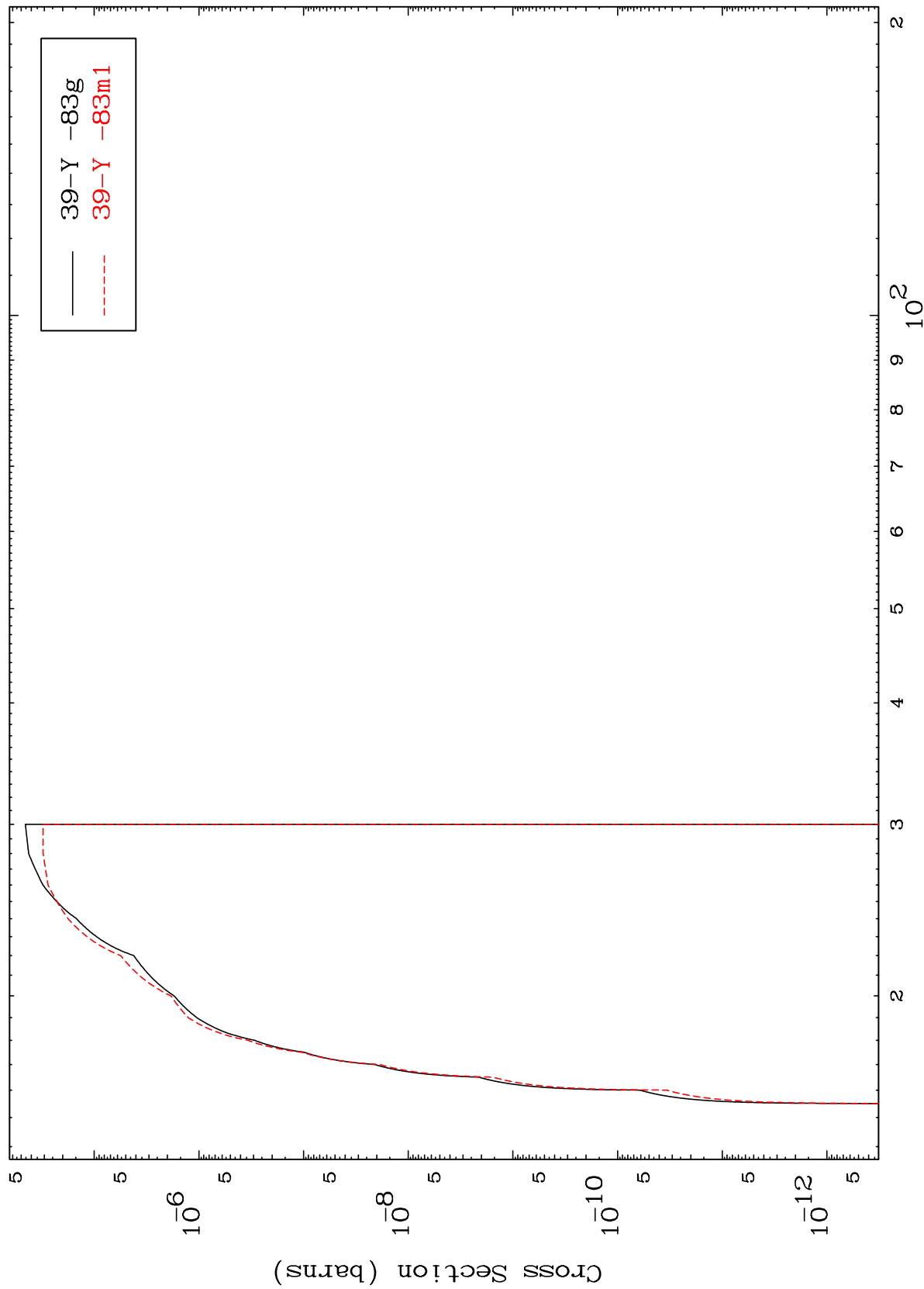
Incident Energy (MeV)

14

MAT 4010

40-Zr-85

(n,d)
Radionuclide Production Cross Section



39-Y -83g
39-Y -83m1

15

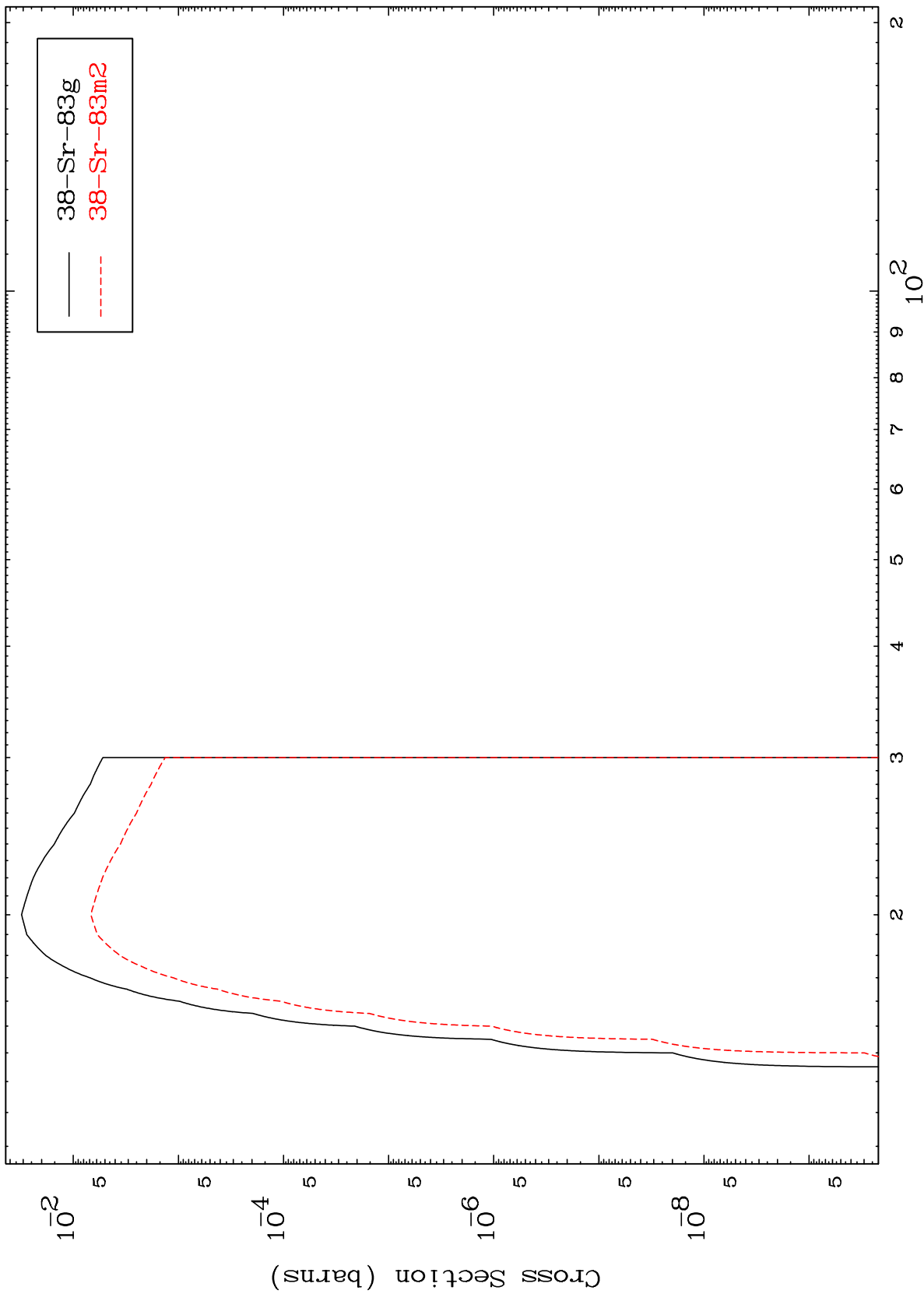
Incident Energy (MeV)

40-Zr-85

MAT 4010

40-Zr-85

(n,2p)
Radionuclide Production Cross Section



38-Sr-83g
38-Sr-83m2

Incident Energy (MeV)

40-Zr-85

16