

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

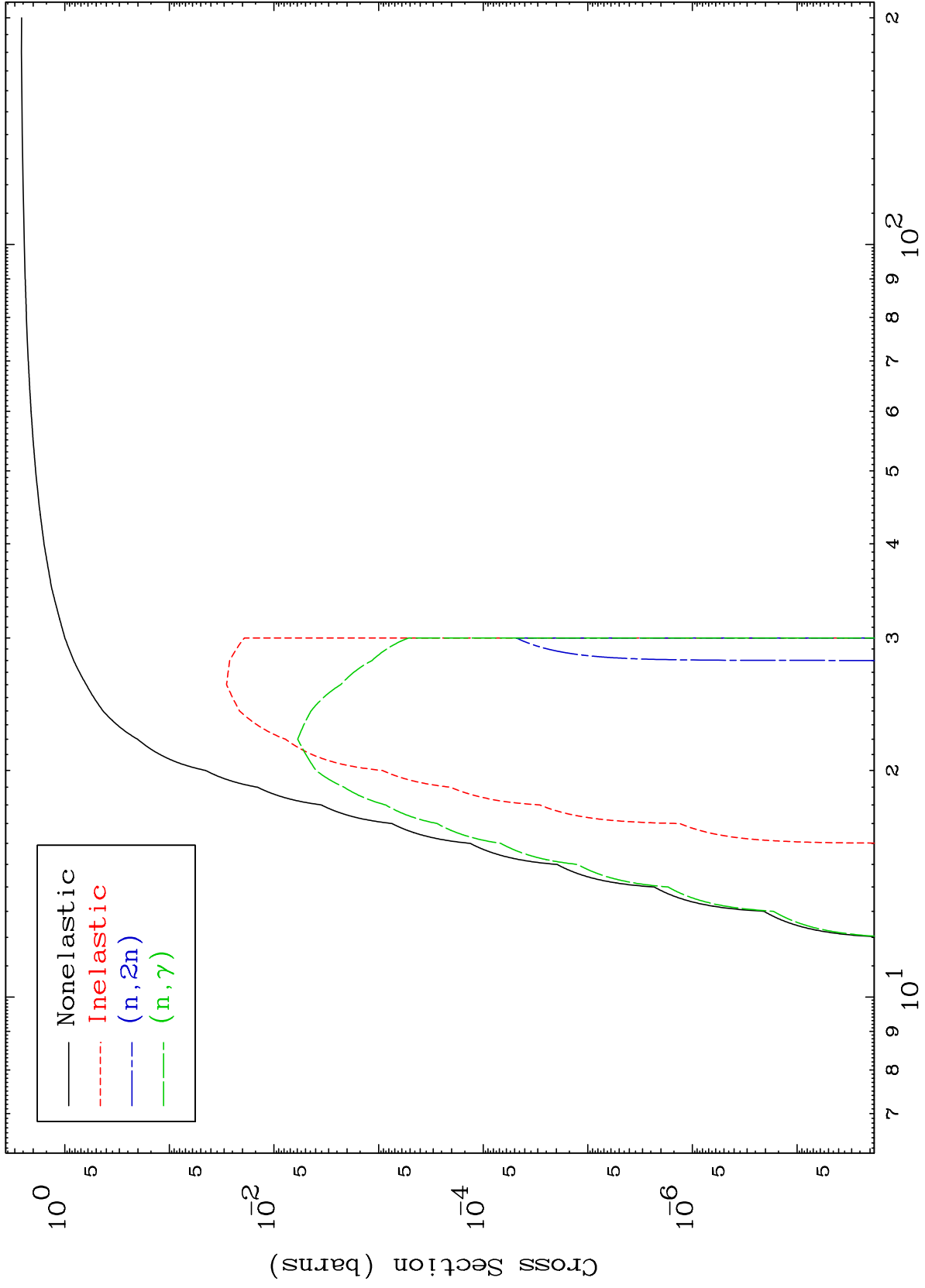
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7863

0 Kelvin Cross Sections

79-Au-176m



1

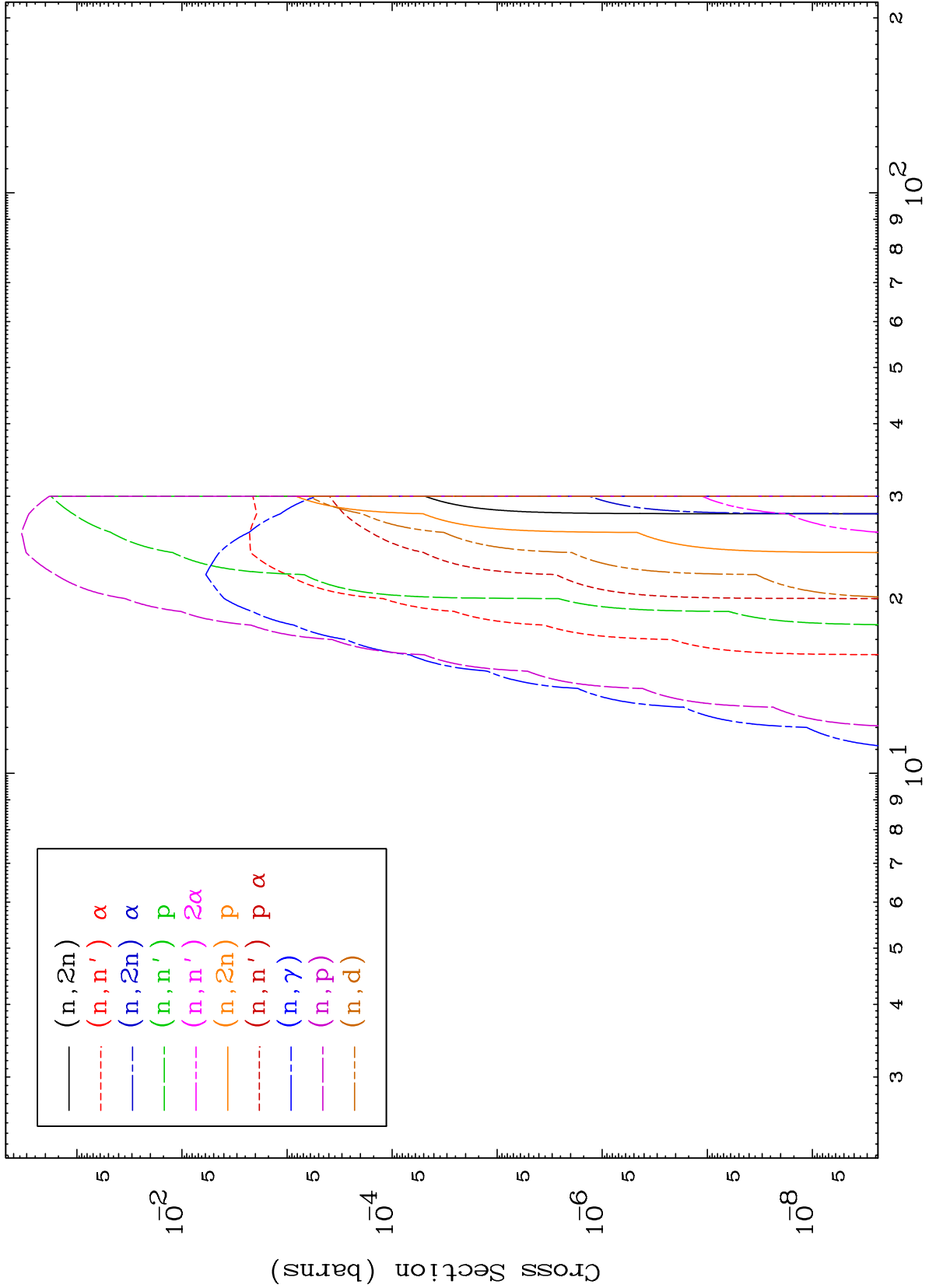
Incident Energy (MeV)

79-Au-176m

MAT 7863

α Neutron Absorption
0 Kelvin Cross Sections

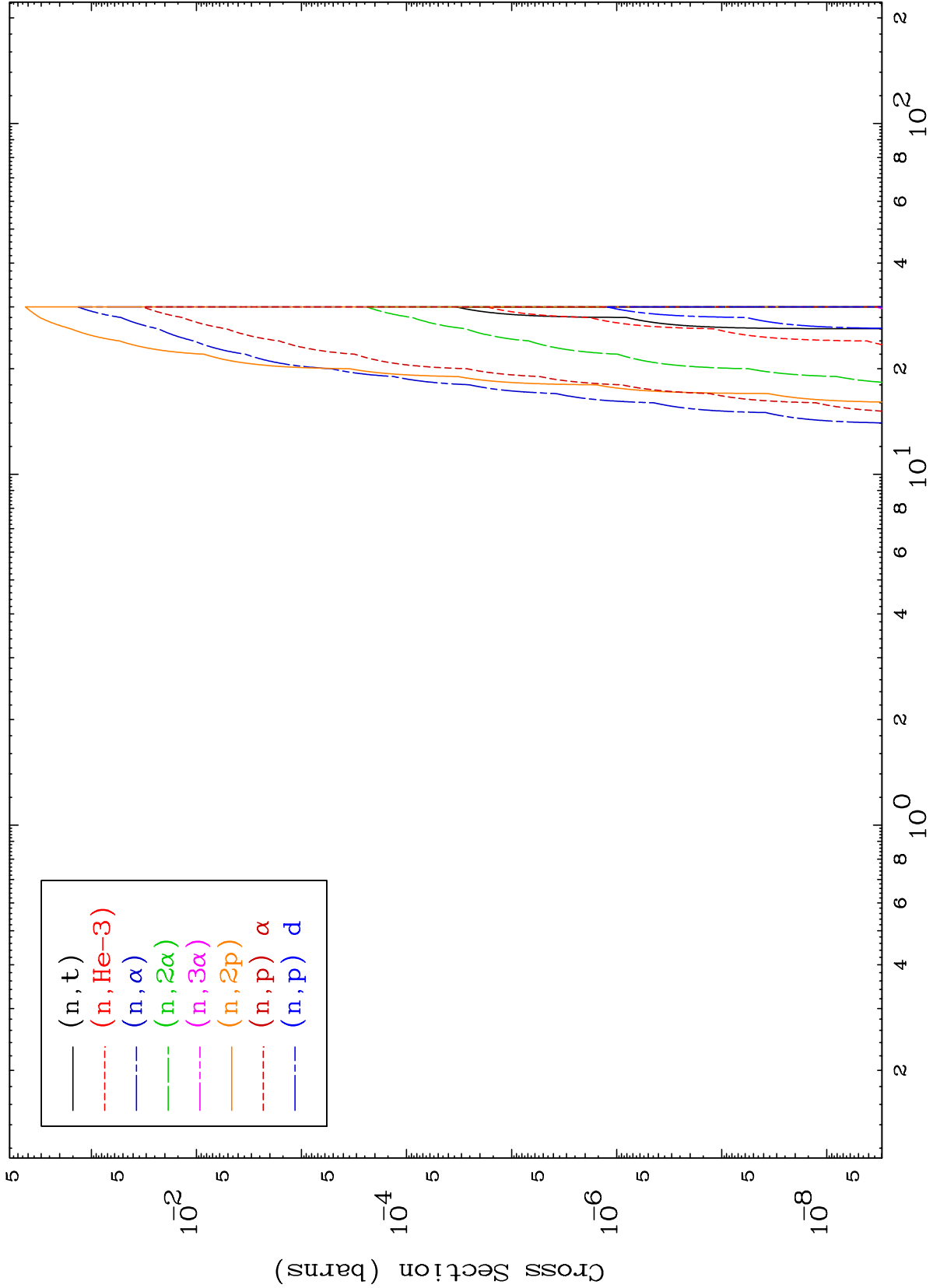
$^{79}\text{Au-176m}$

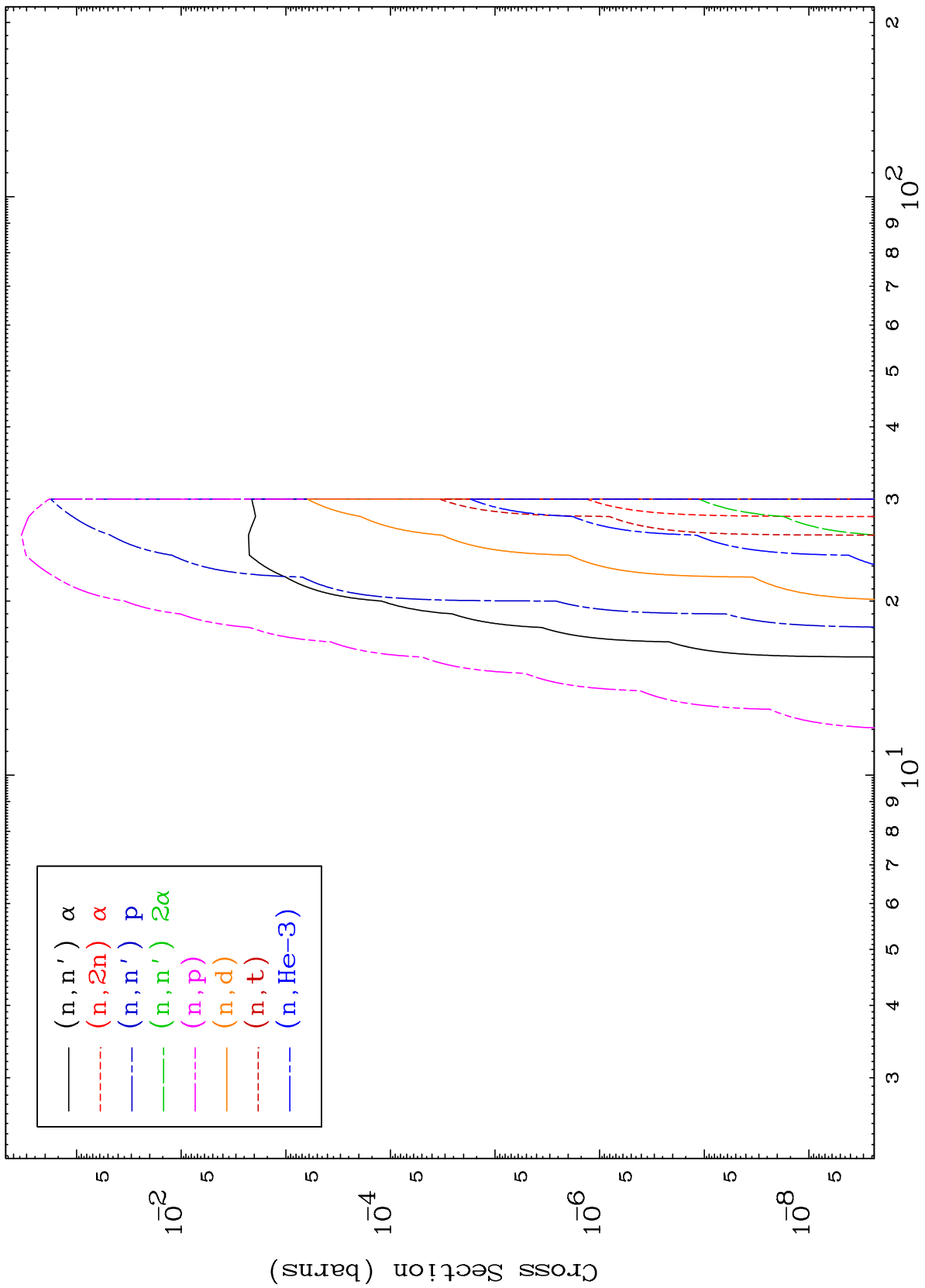


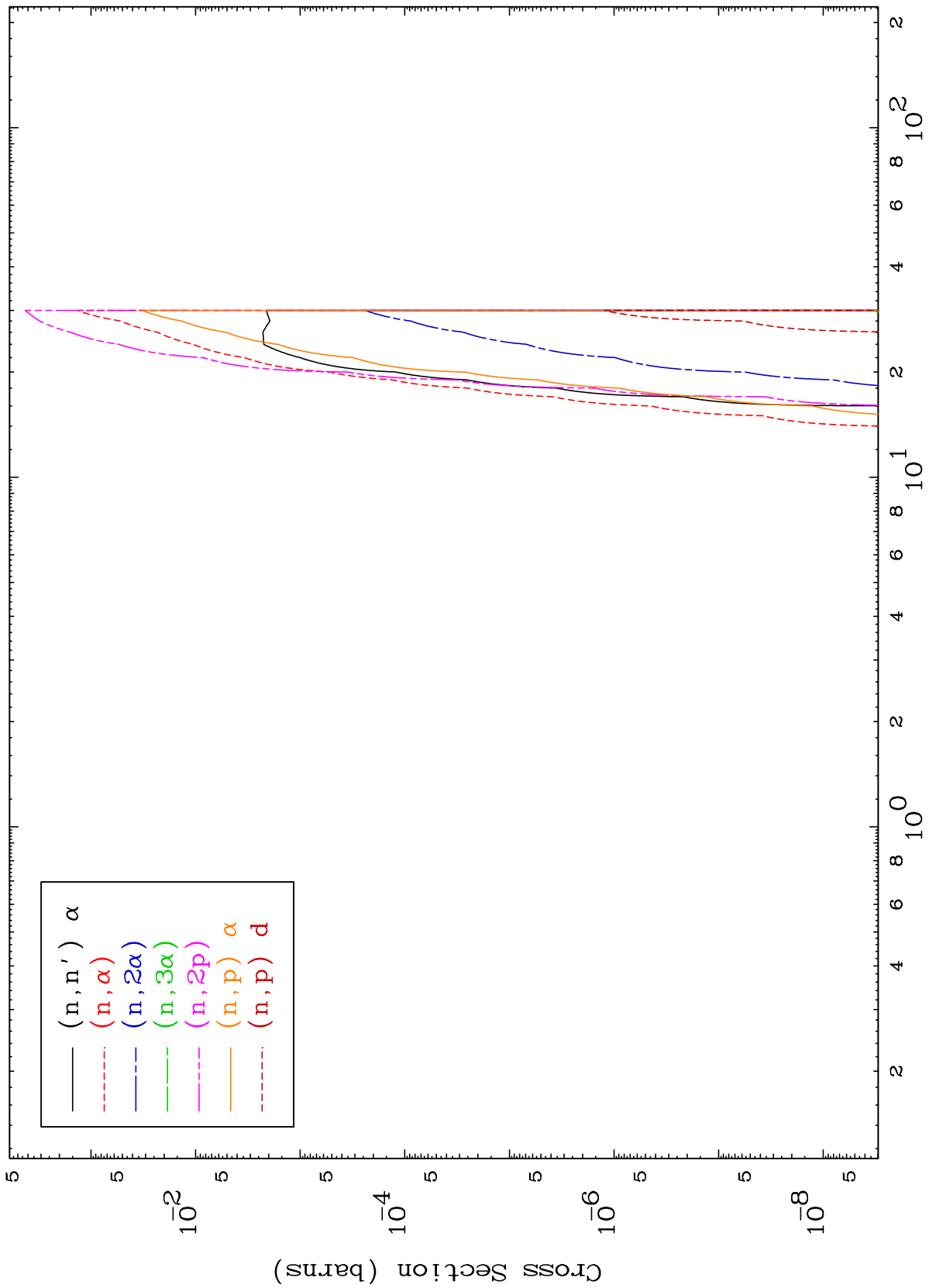
MAT 7863

α Neutron Absorption
0 Kelvin Cross Sections

79-Au-176m



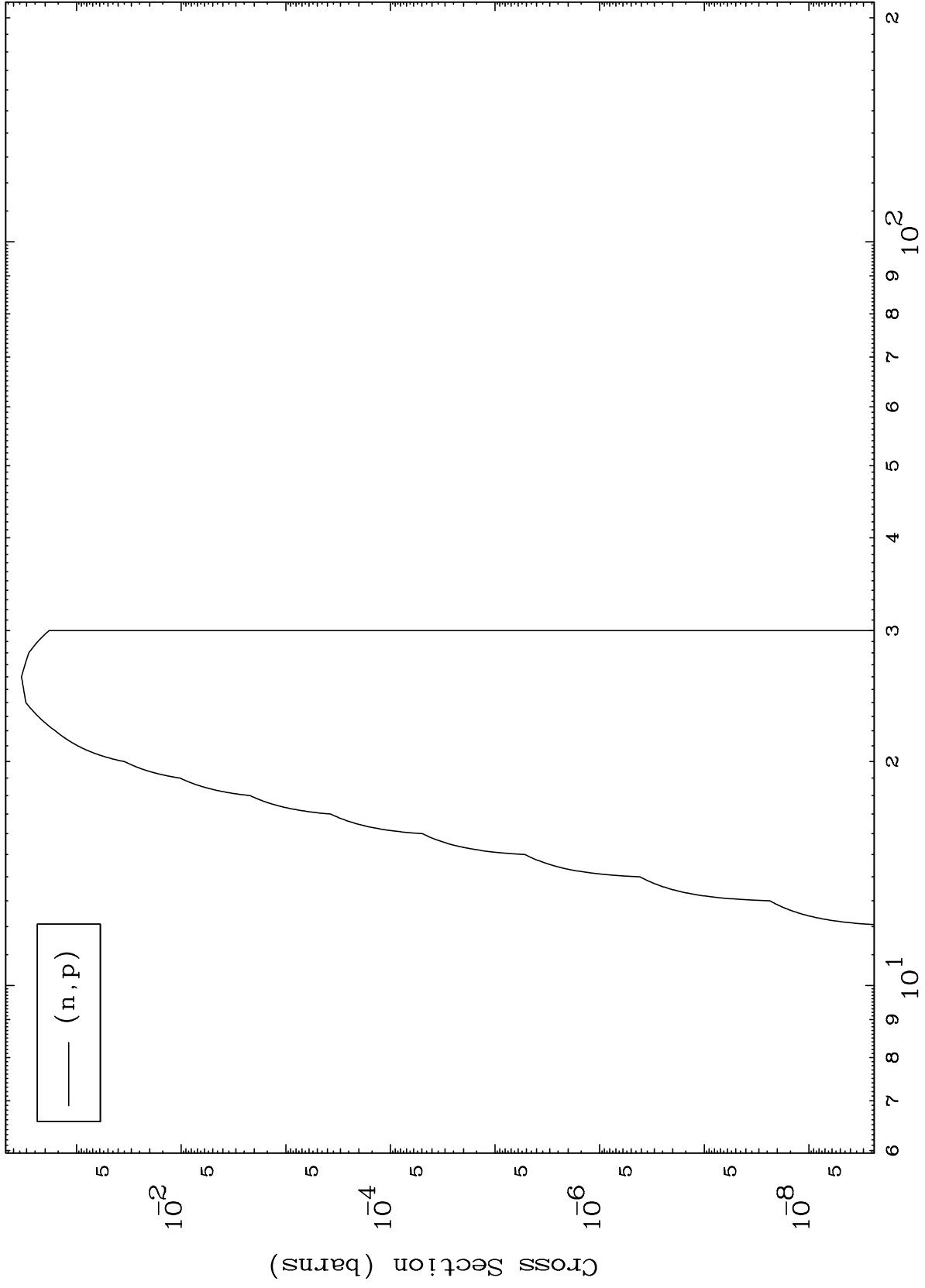




MAT 7863

(α, p) Levels
0 Kelvin Cross Sections

79-Au-176m



6

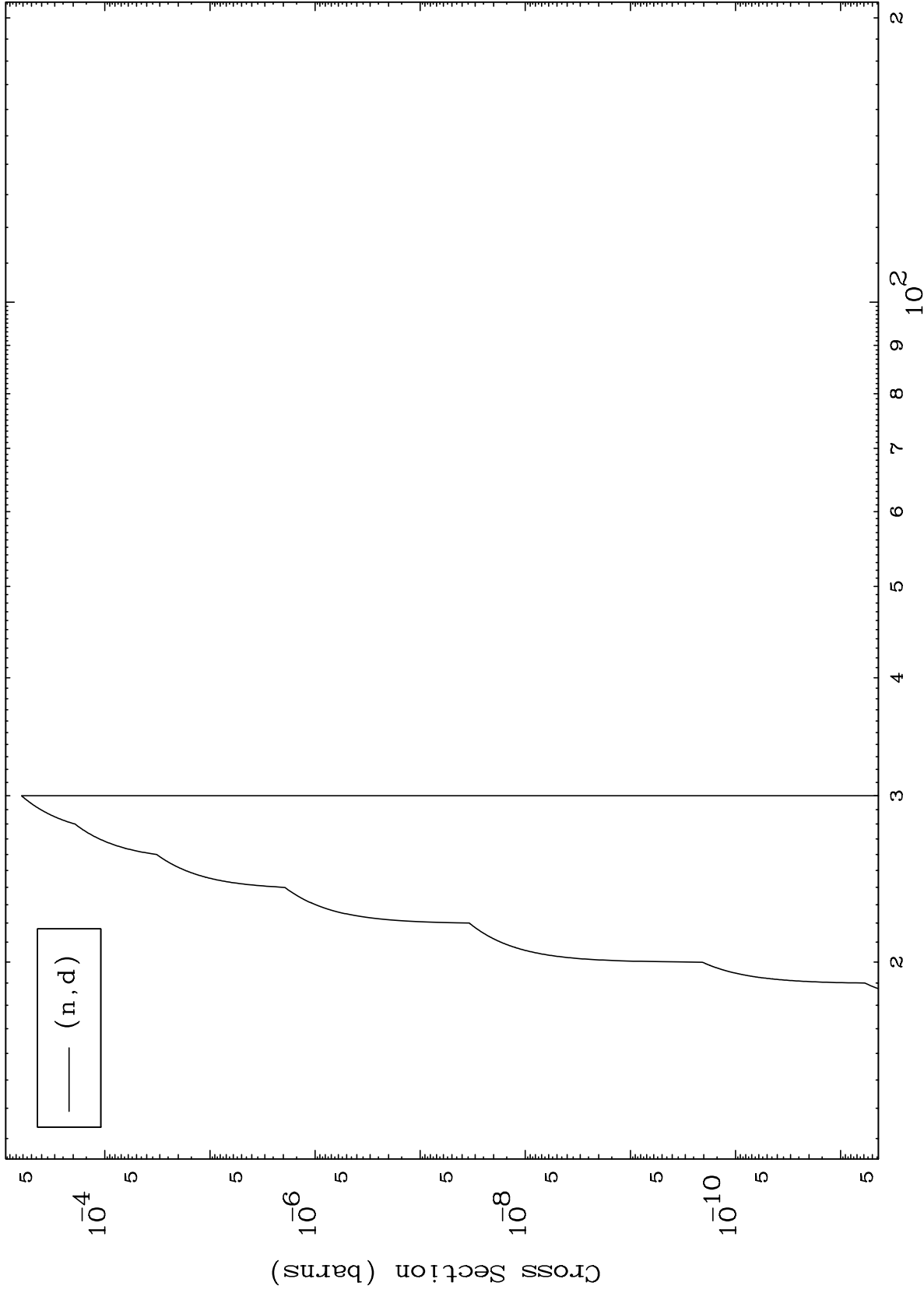
Incident Energy (MeV)

79-Au-176m

MAT 7863

(α, d) Levels
0 Kelvin Cross Sections

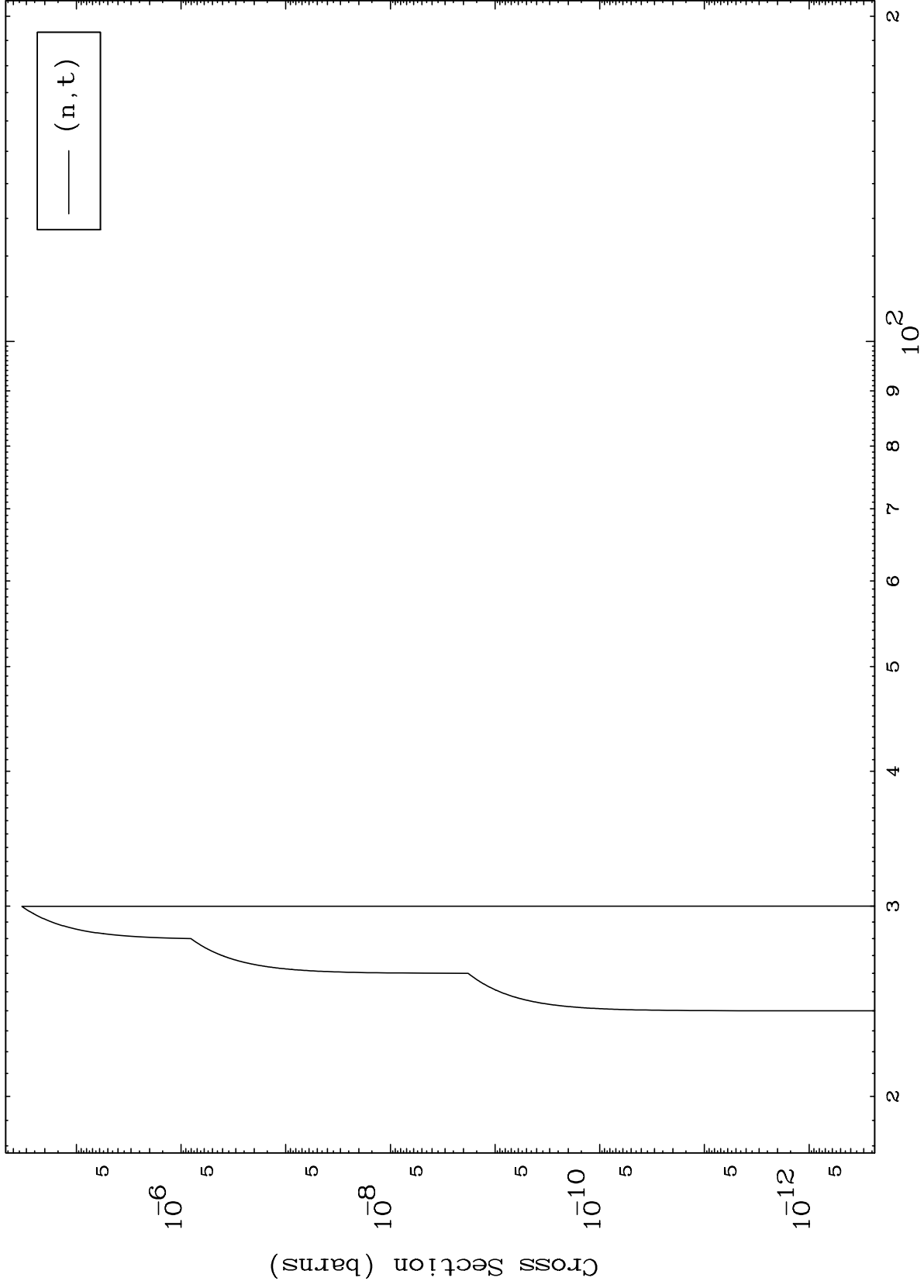
⁷⁹Au-176m



MAT 7863

(α, t) Levels
0 Kelvin Cross Sections

⁷⁹Au-176m



8

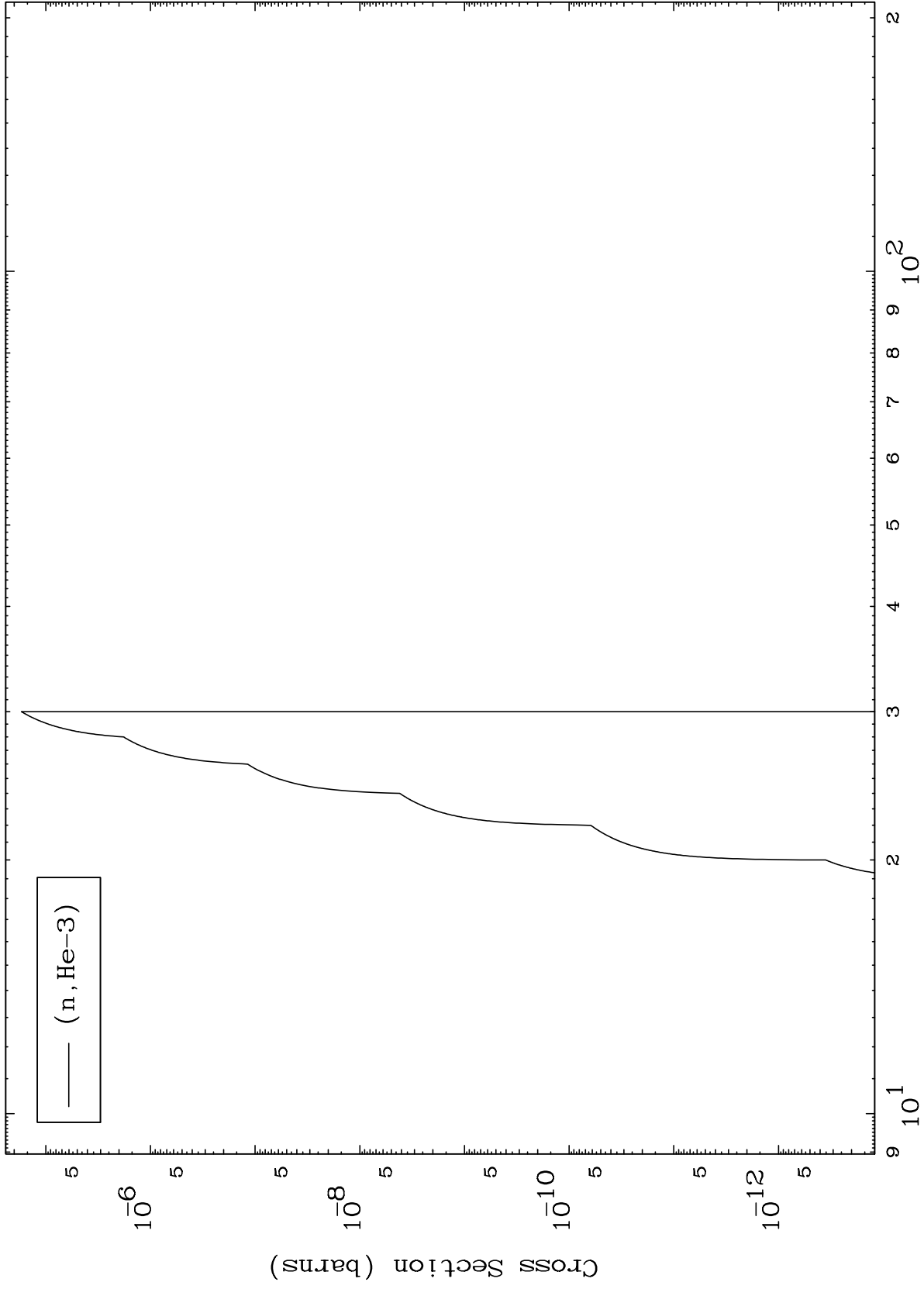
Incident Energy (MeV)

⁷⁹Au-176m

MAT 7863

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

79-Au-176m



9

Incident Energy (MeV)

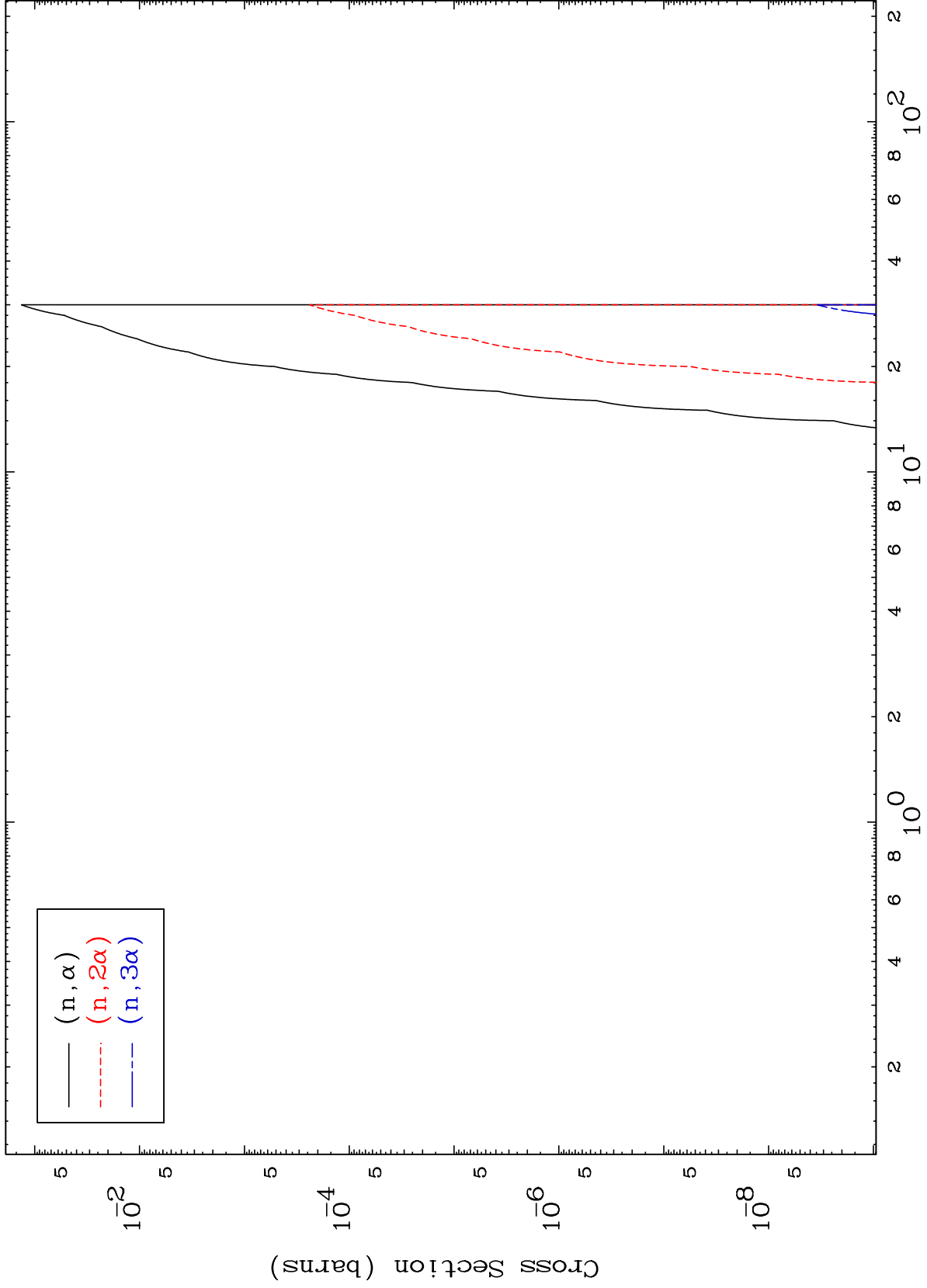
79-Au-176m

MAT 7863

(α, α) Levels

⁷⁹Au-176m

0 Kelvin Cross Sections



10

Incident Energy (MeV)

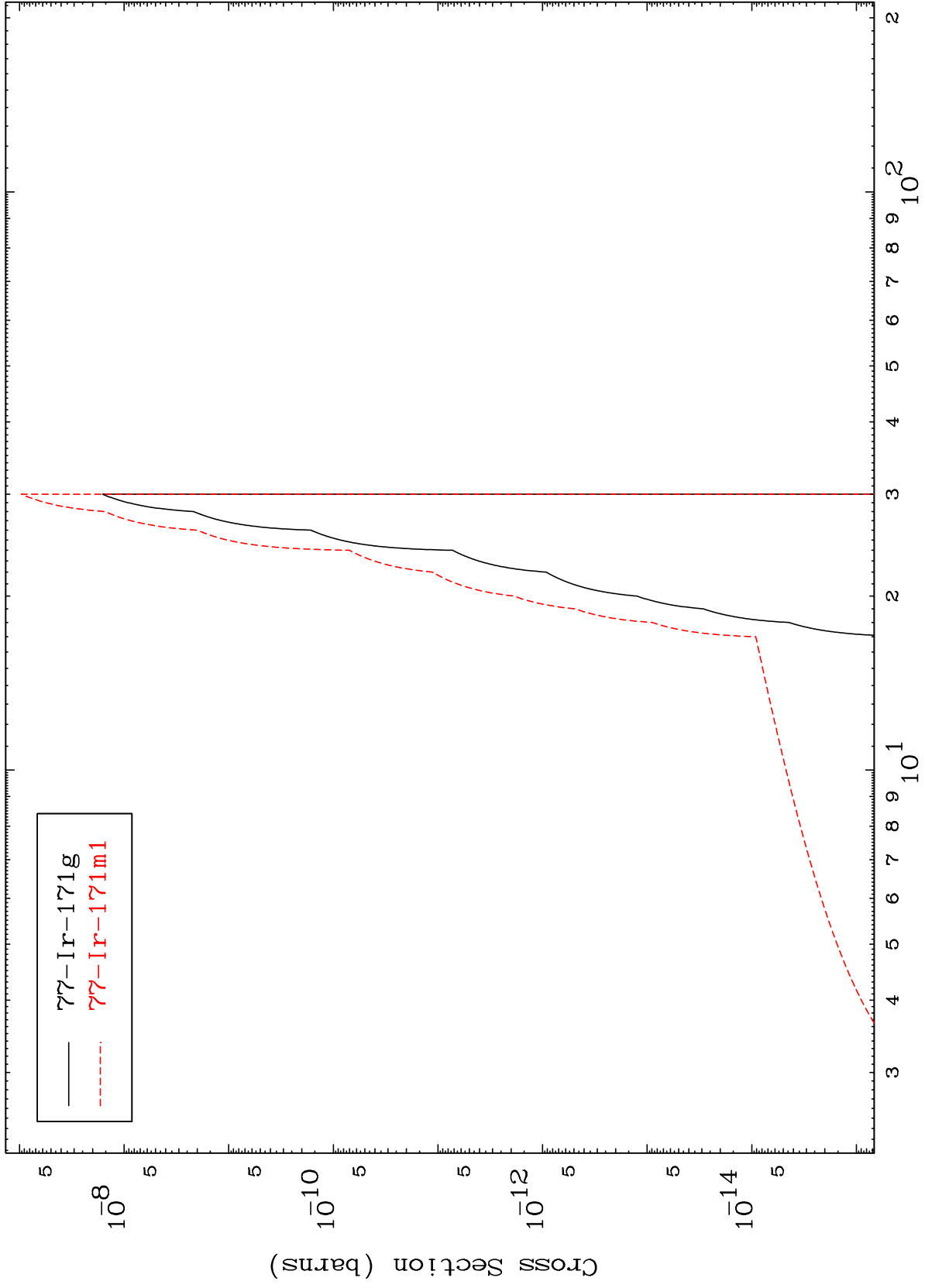
⁷⁹Au-176m

MAT 7863

(n,n') 2α

79-Au-176m

Radionuclide Production Cross Section

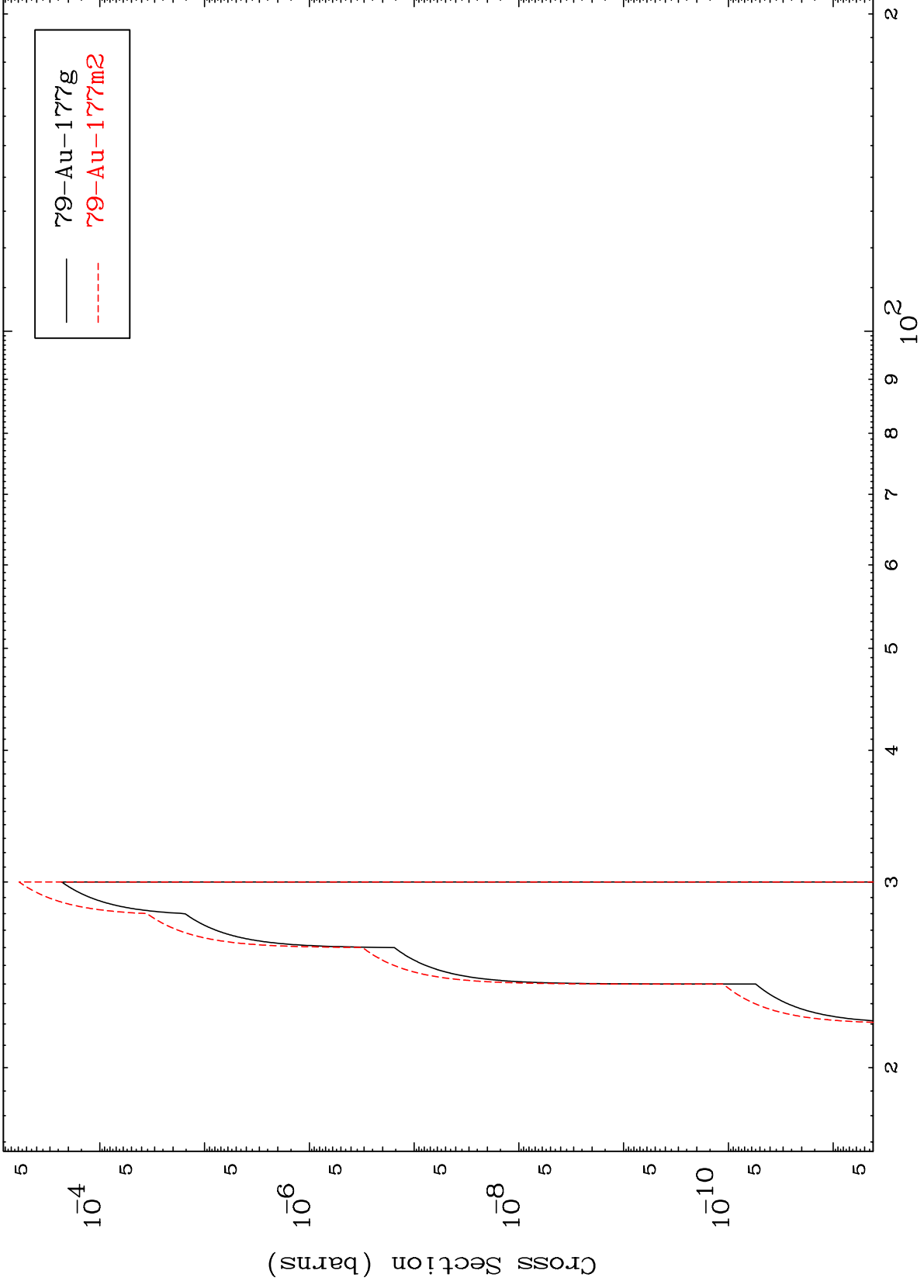


MAT 7863

(n,2n) p

⁷⁹Au-176m

Radionuclide Production Cross Section



12

Incident Energy (MeV)

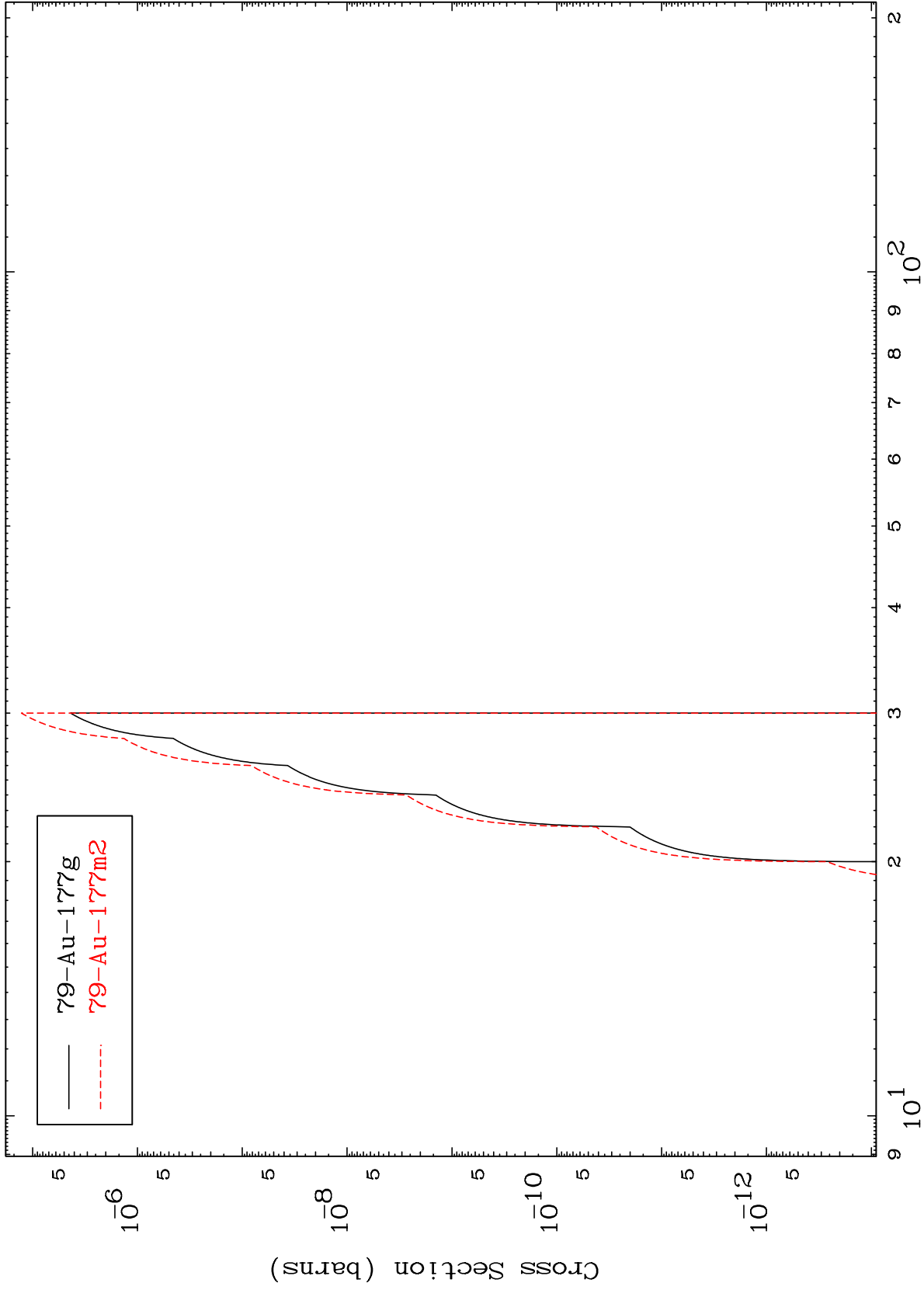
⁷⁹Au-176m

MAT 7863

(n,He-3)

⁷⁹Au-176m

Radionuclide Production Cross Section



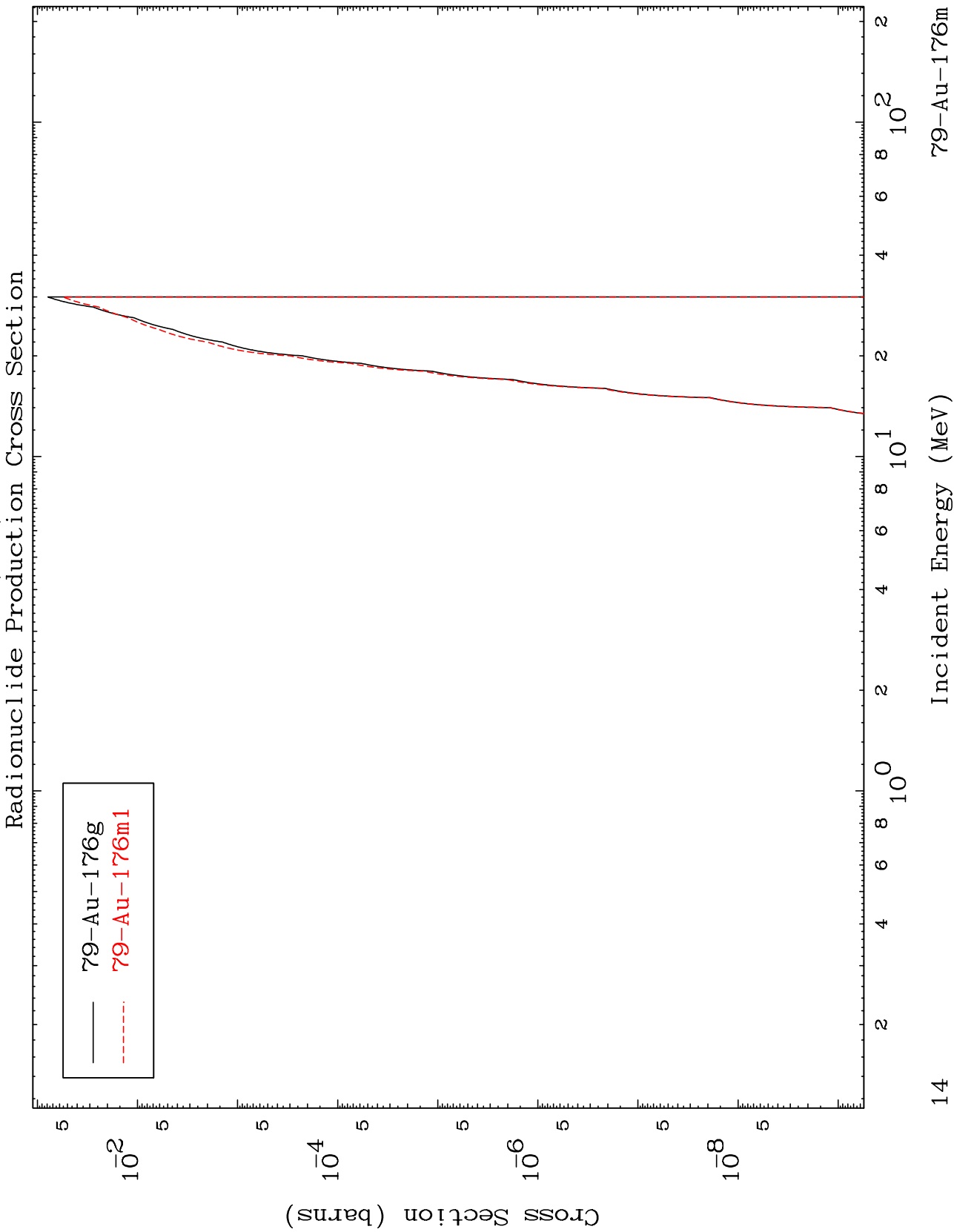
13

Incident Energy (MeV)

⁷⁹Au-176m

MAT 7863

⁷⁹Au-176m



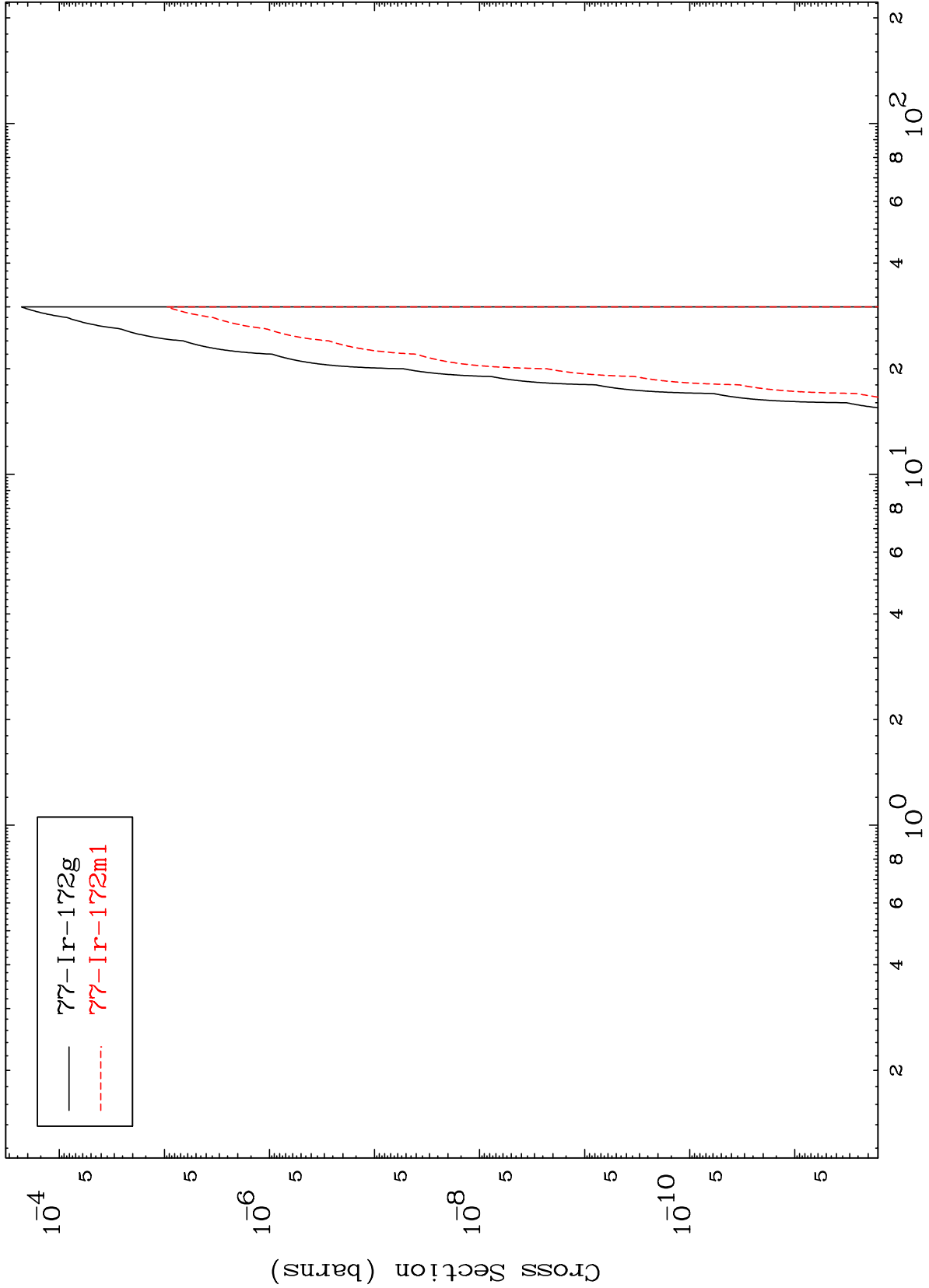
— ⁷⁹Au-176g
- - - ⁷⁹Au-176m1

MAT 7863

(n,2α)

79-Au-176m

Radionuclide Production Cross Section

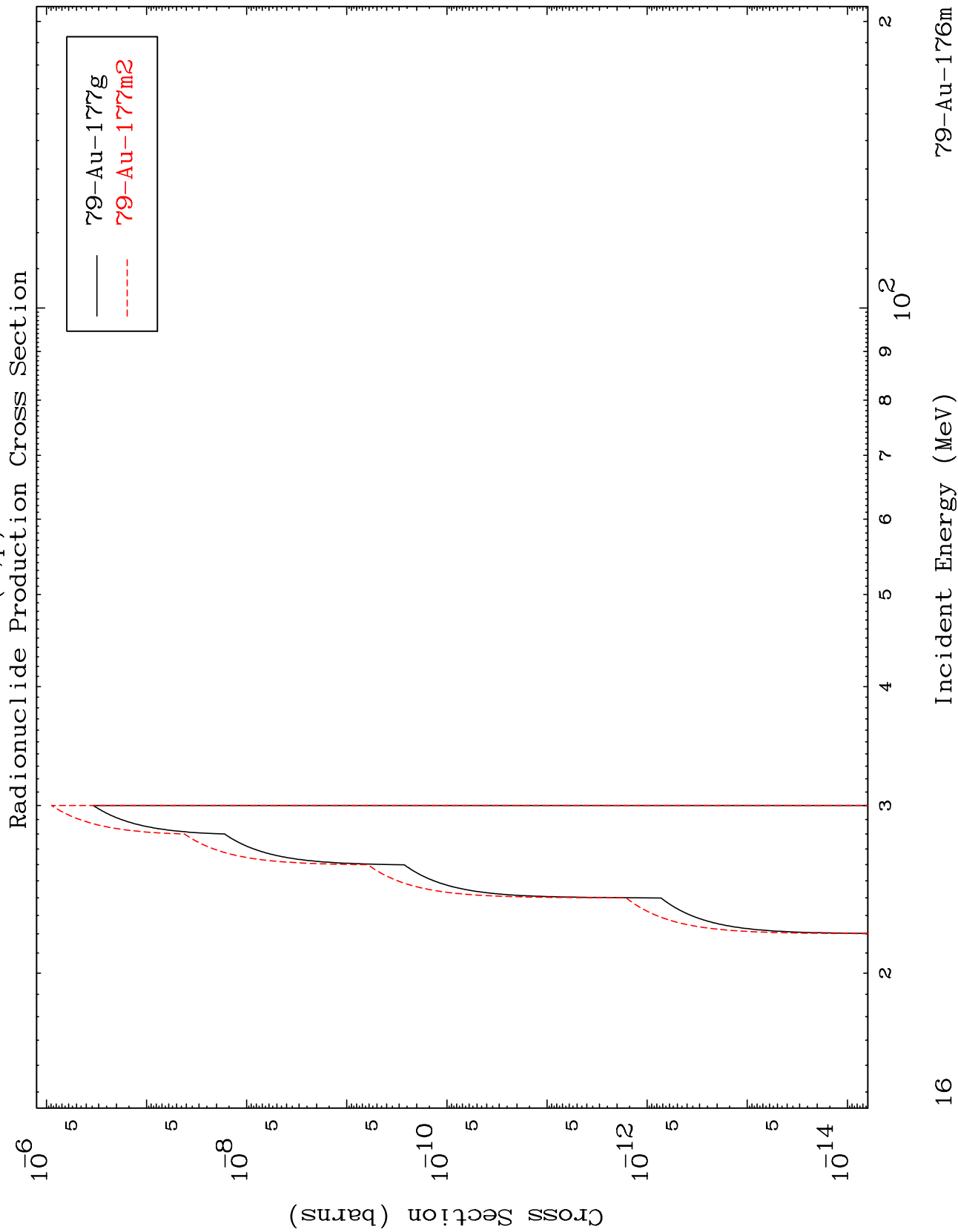


77-Ir-172g
77-Ir-172m1

MAT 7863

(n,p) d

⁷⁹Au-176m



16

⁷⁹Au-176m