

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

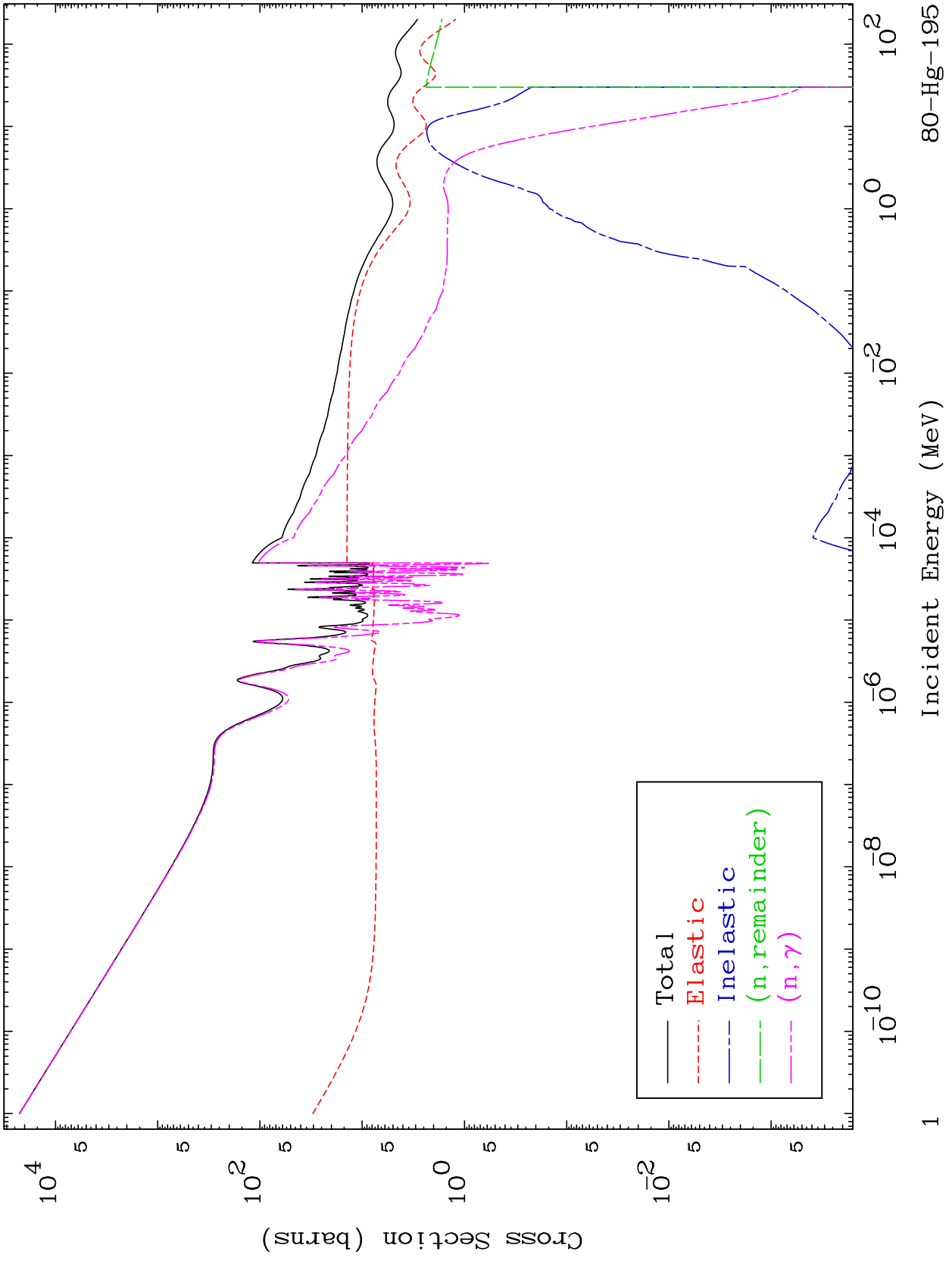
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8023

Major
293 Kelvin Cross Sections

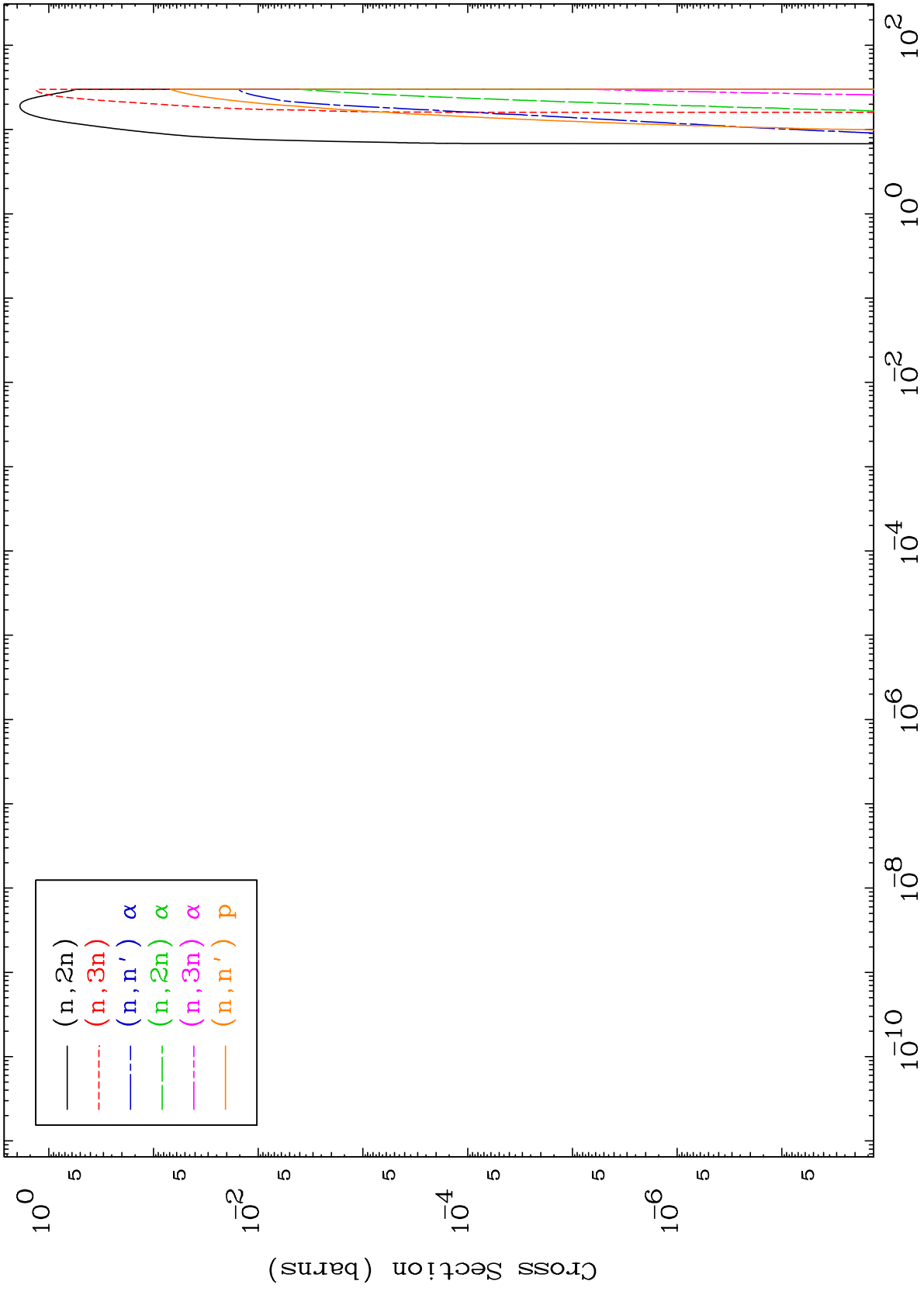
80-Hg-195



MAT 8023

Neutron Production
293 Kelvin Cross Sections

80-Hg-195

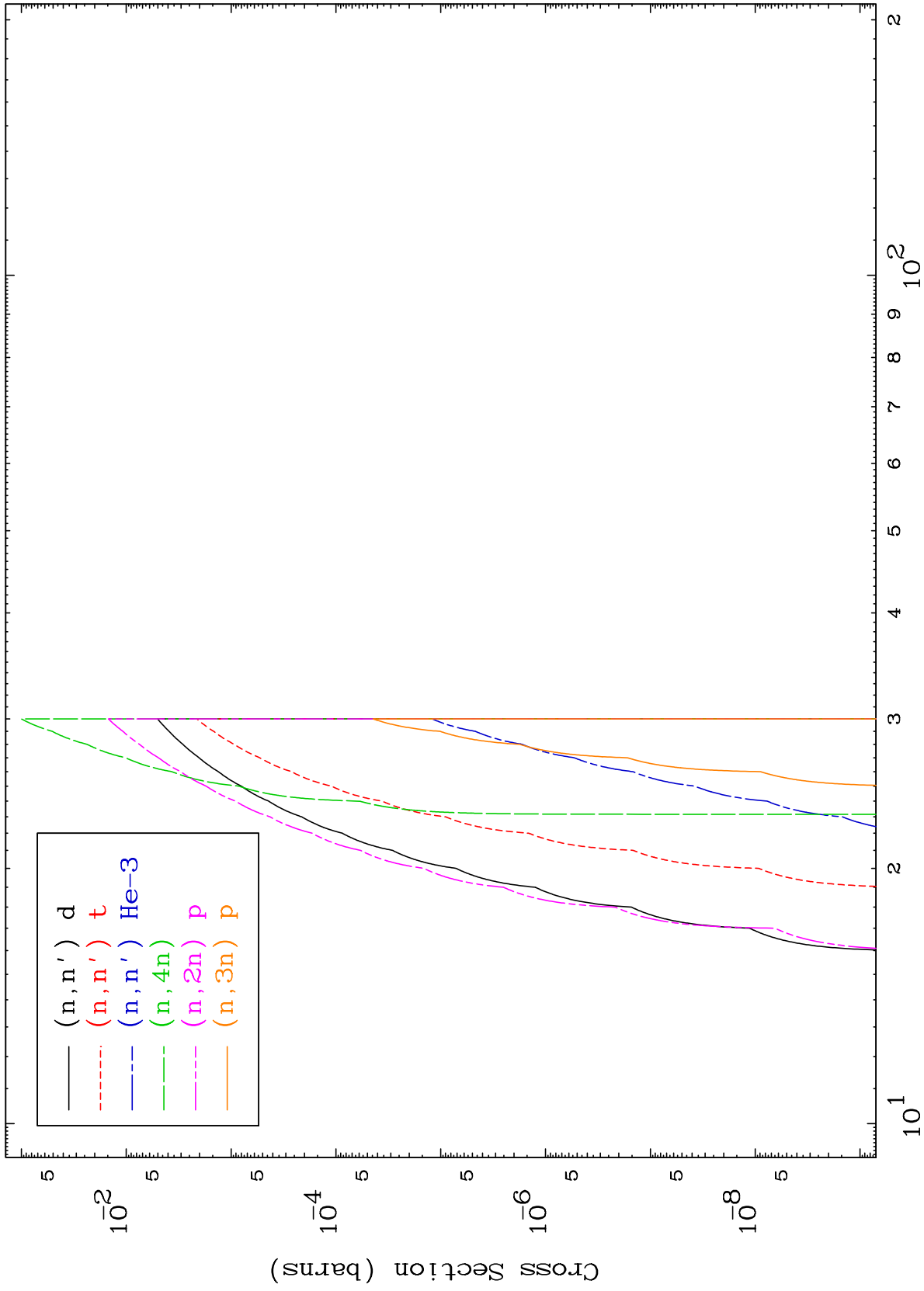


80-Hg-195

MAT 8023

Neutron Production
293 Kelvin Cross Sections

80-Hg-195



80-Hg-195

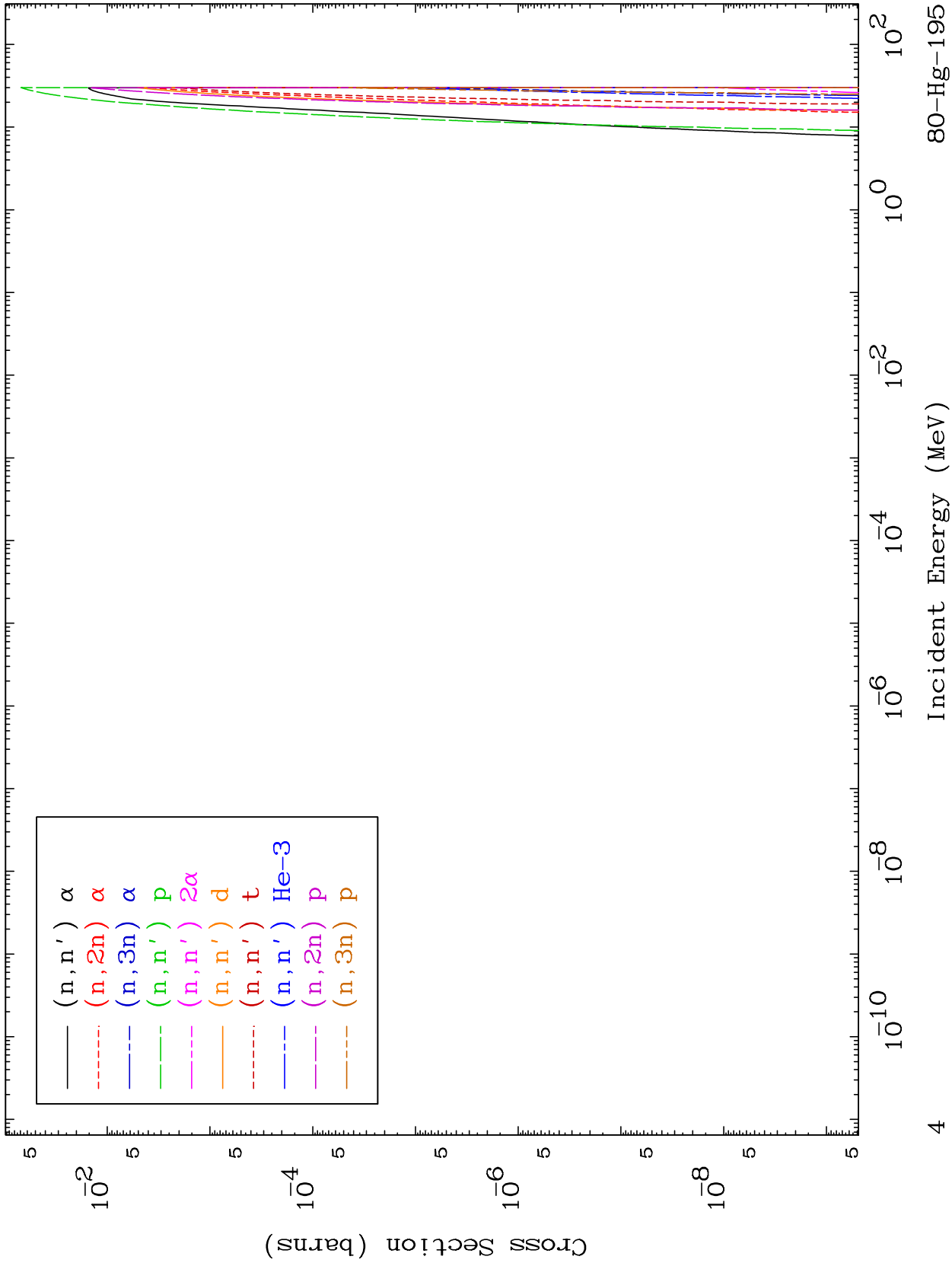
Incident Energy (MeV)

3

MAT 8023

293 Kelvin Cross Sections
Charged Particle

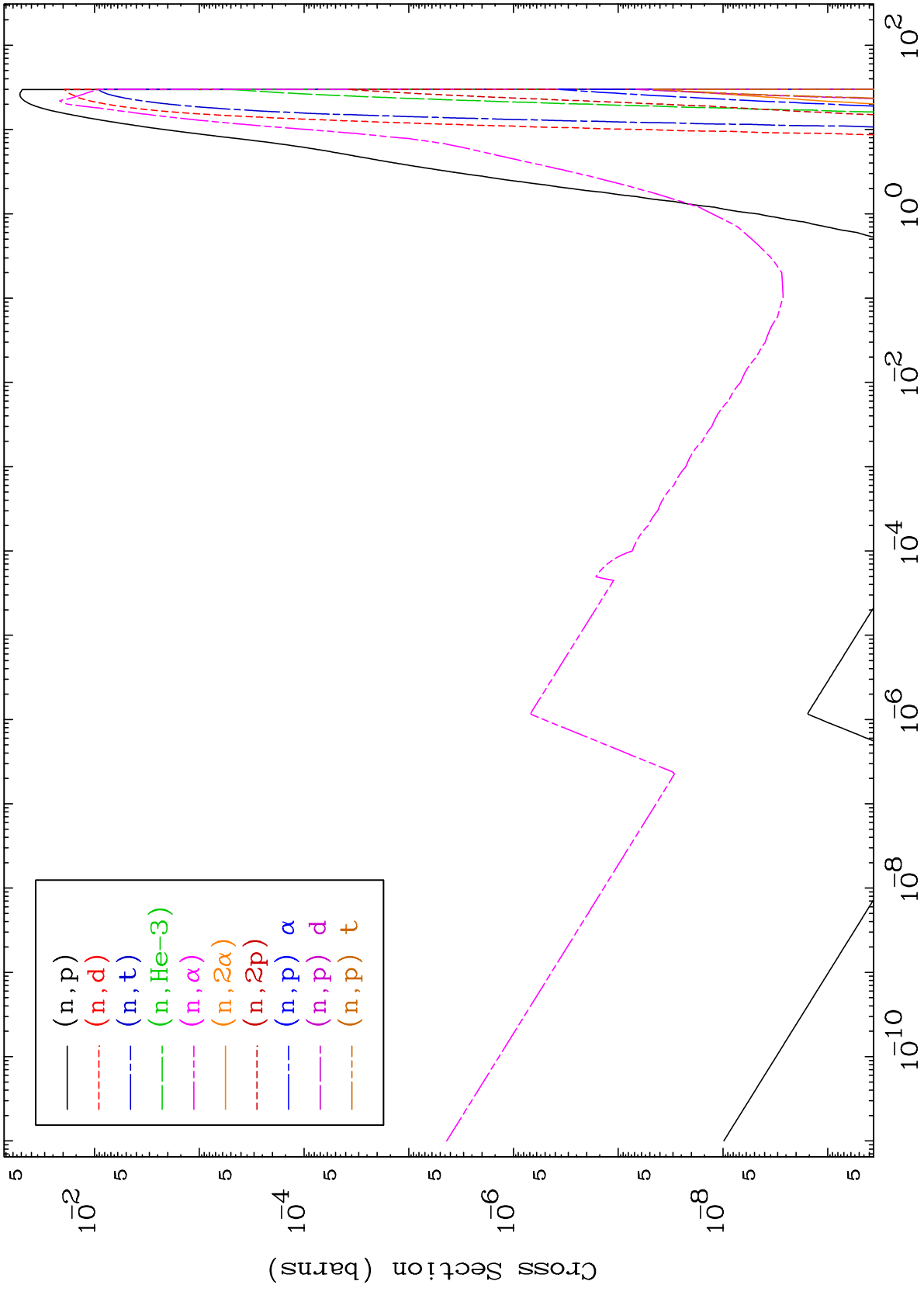
80-Hg-195



MAT 8023

Charged Particle
293 Kelvin Cross Sections

80-Hg-195



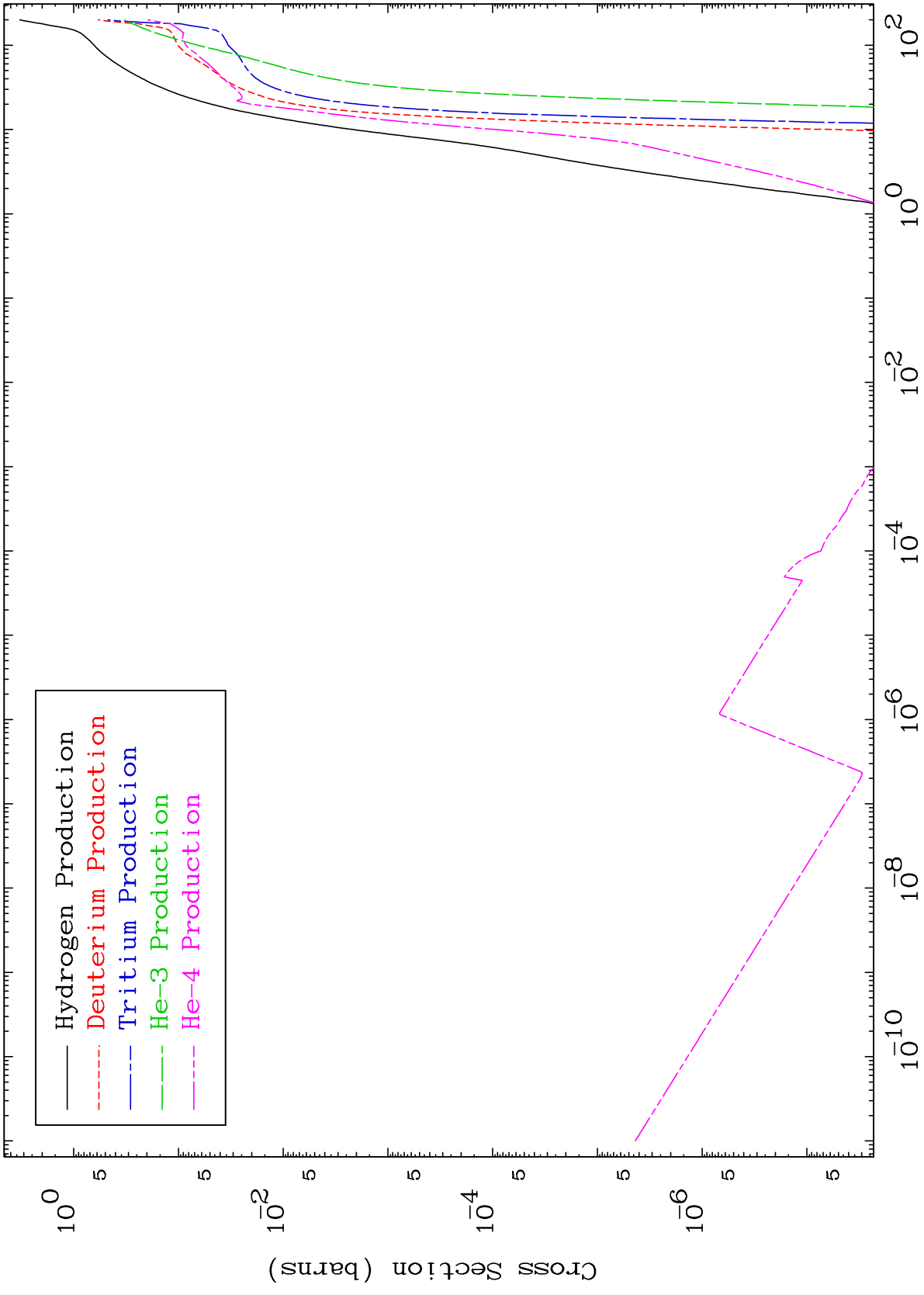
5

80-Hg-195

MAT 8023

Particle Production
293 Kelvin Cross Sections

80-Hg-195

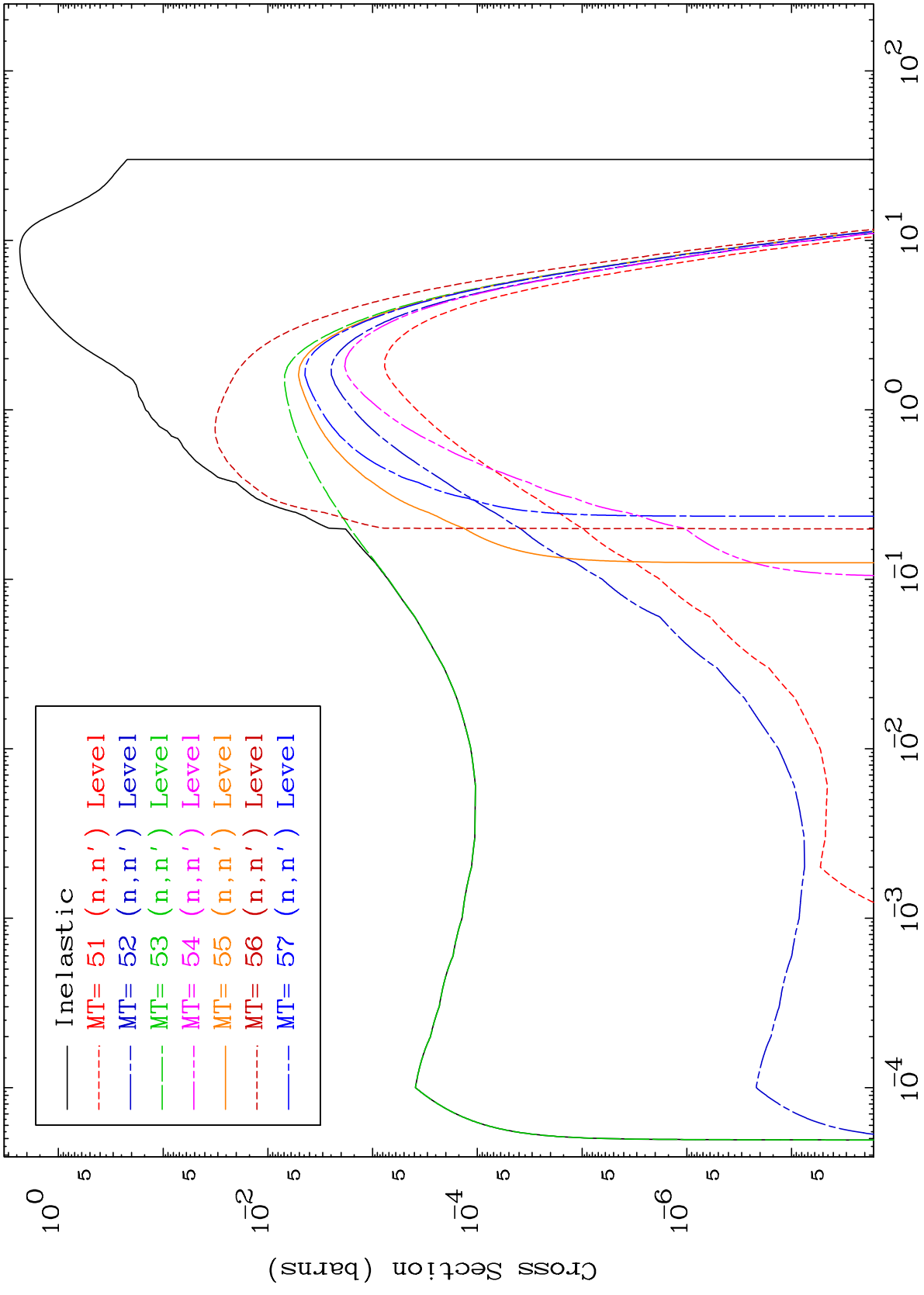


80-Hg-195

MAT 8023

293 Kelvin Cross Sections
(n,n') Level

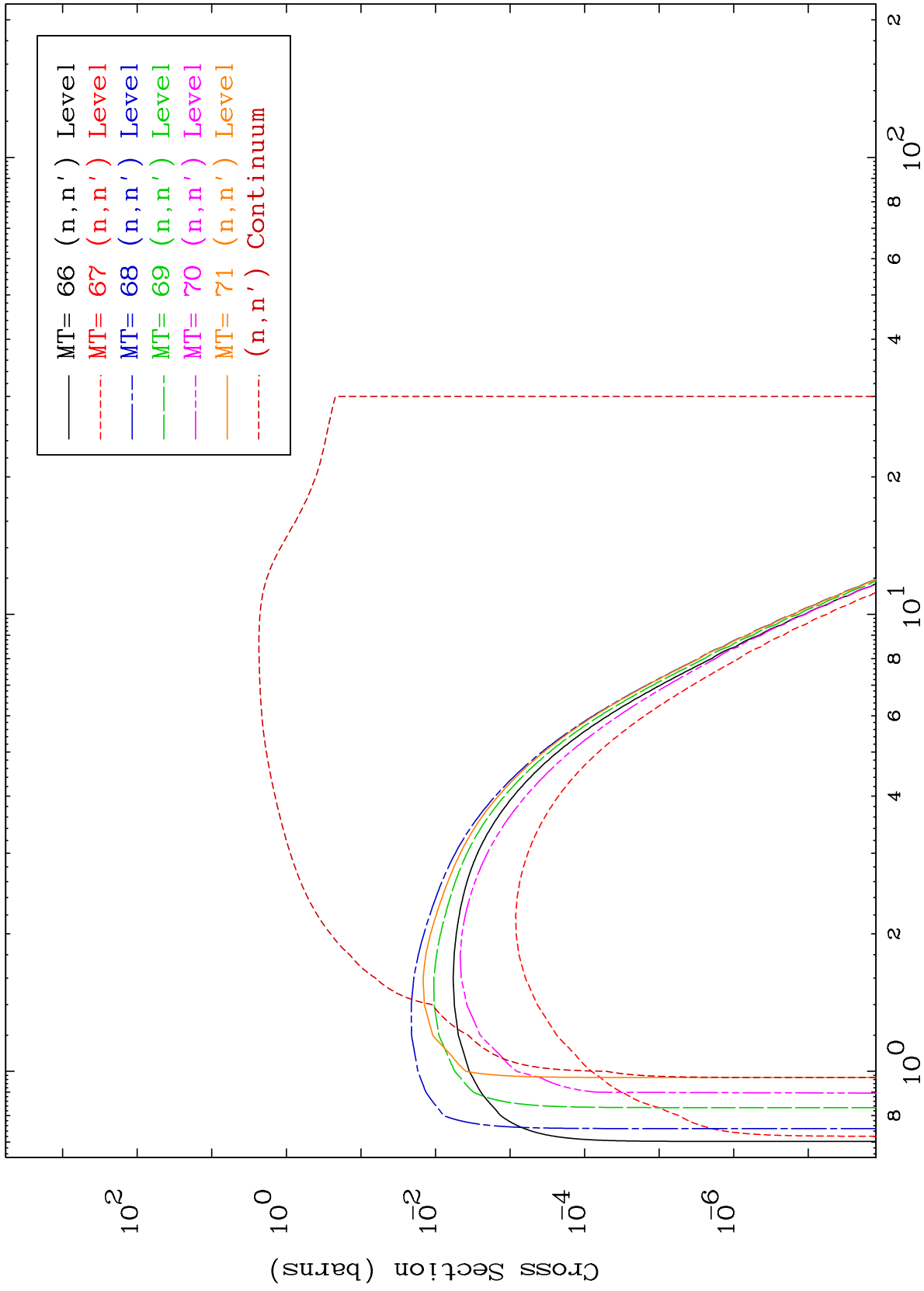
80-Hg-195



MAT 8023

(n,n') Level
293 Kelvin Cross Sections

80-Hg-195



9

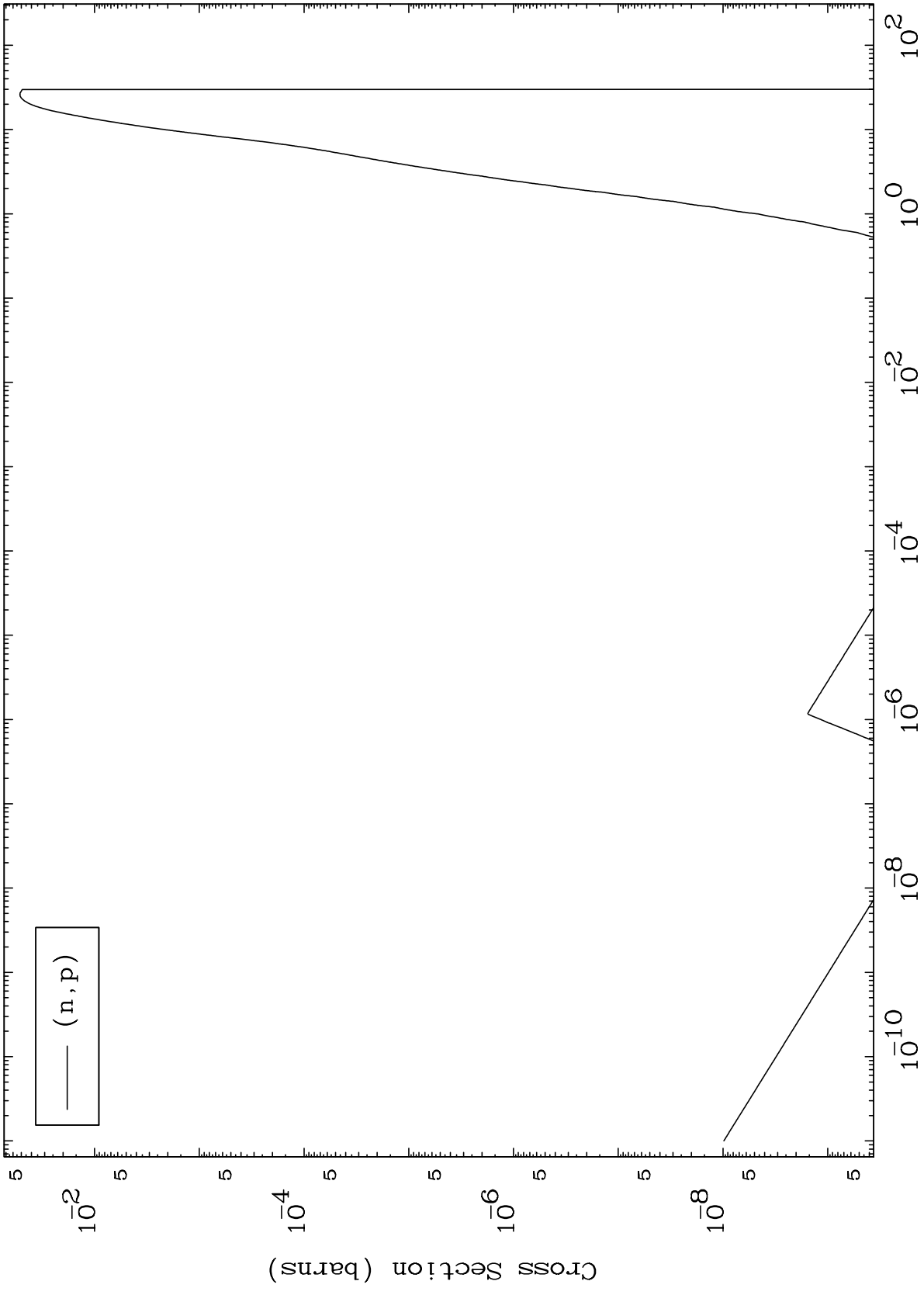
Incident Energy (MeV)

80-Hg-195

MAT 8023

(n,p) Levels
293 Kelvin Cross Sections

80-Hg-195



10

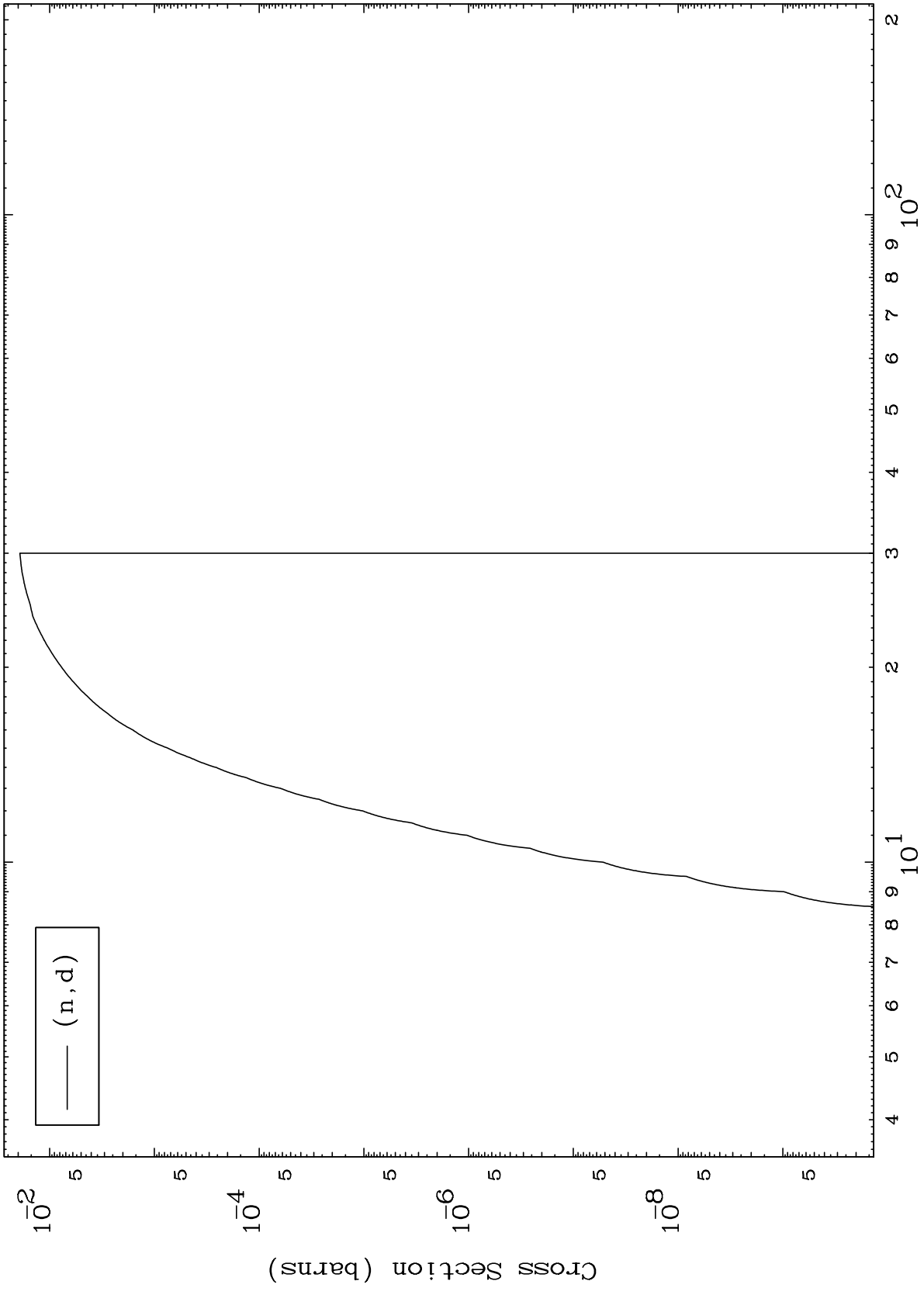
Incident Energy (MeV)

80-Hg-195

MAT 8023

(n,d) Levels
293 Kelvin Cross Sections

80-Hg-195

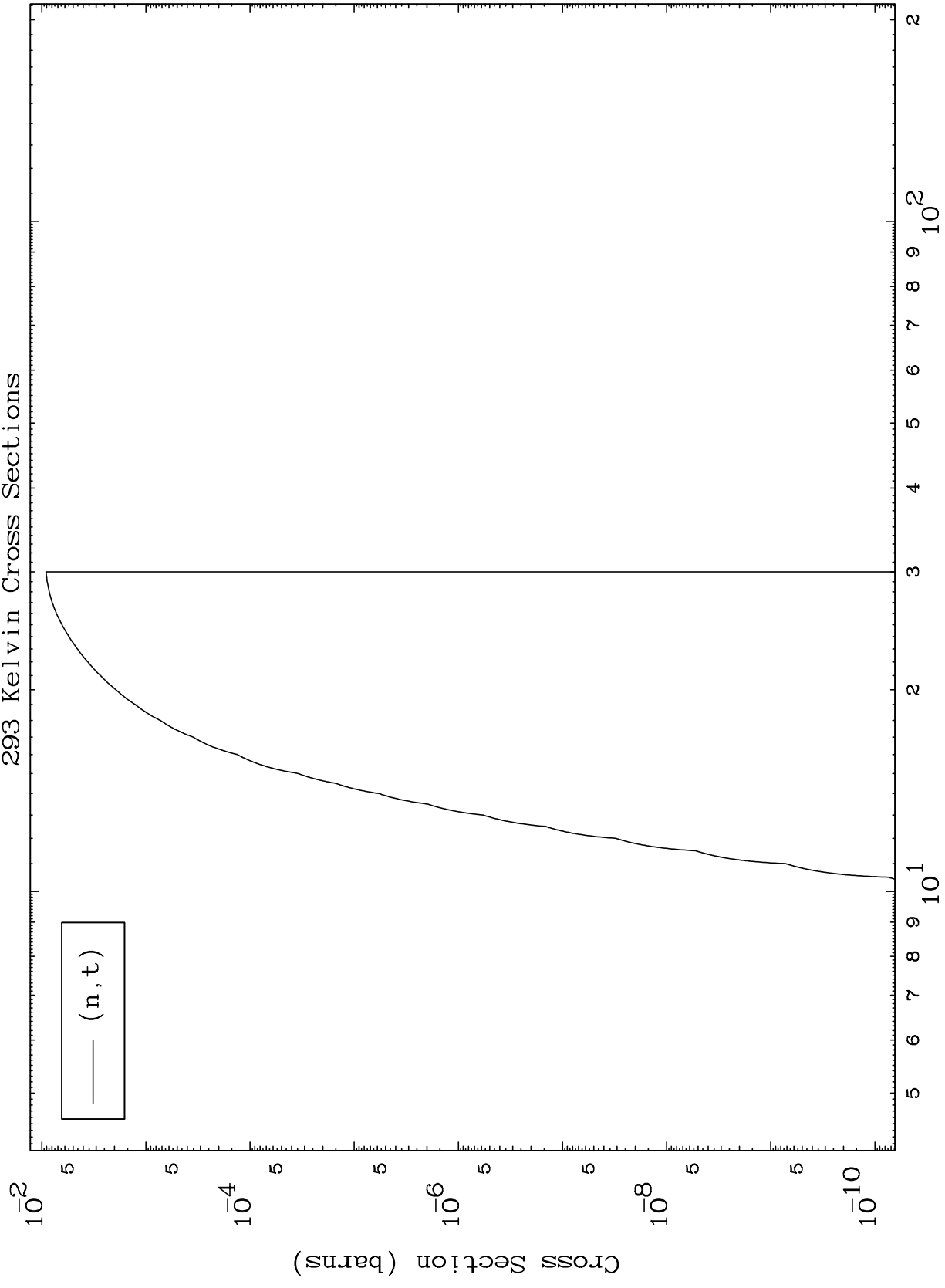


(n,d)

MAT 8023

(n,t) Levels
293 Kelvin Cross Sections

80-Hg-195



12

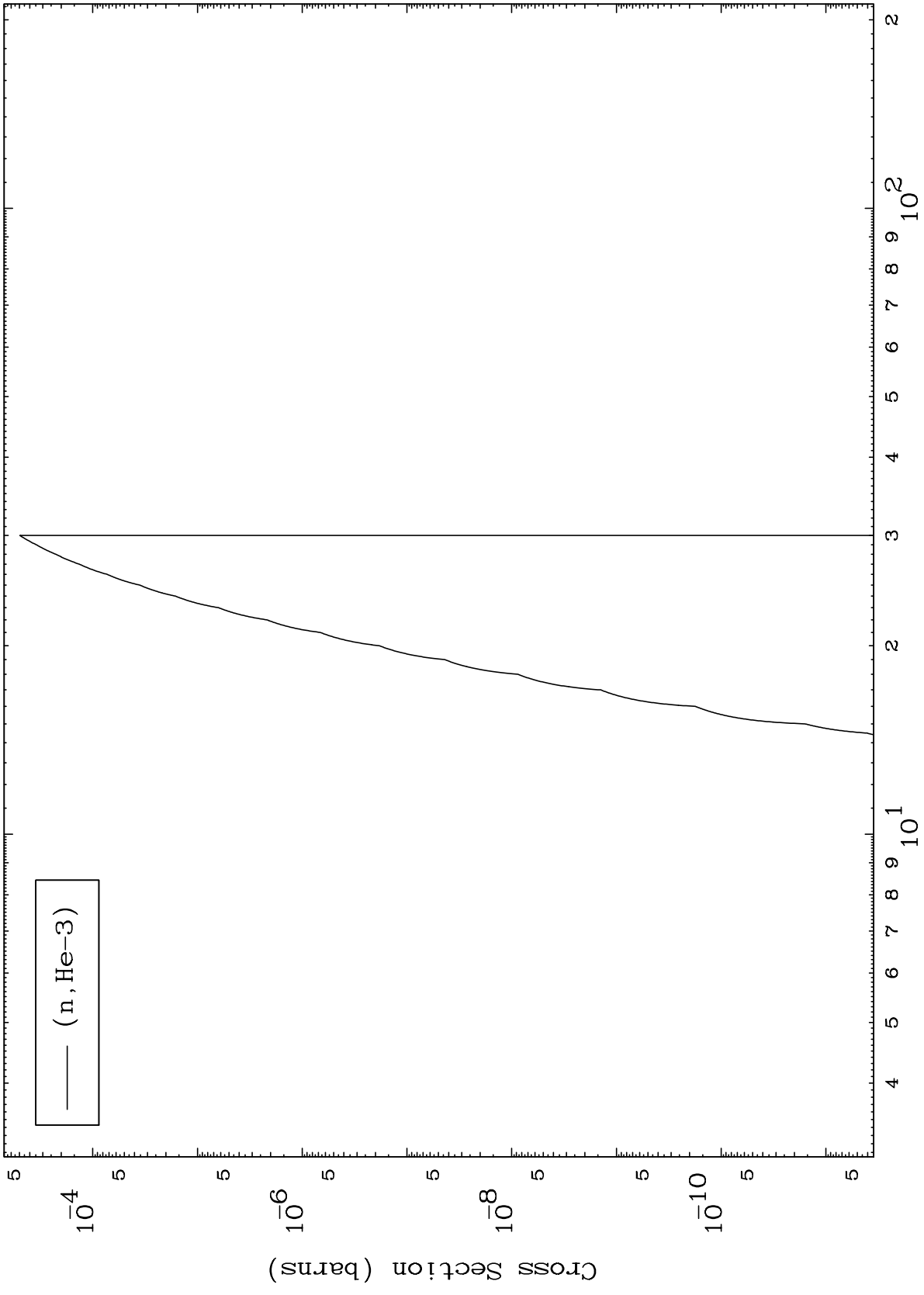
Incident Energy (MeV)

80-Hg-195

MAT 8023

(n,He3) Levels
293 Kelvin Cross Sections

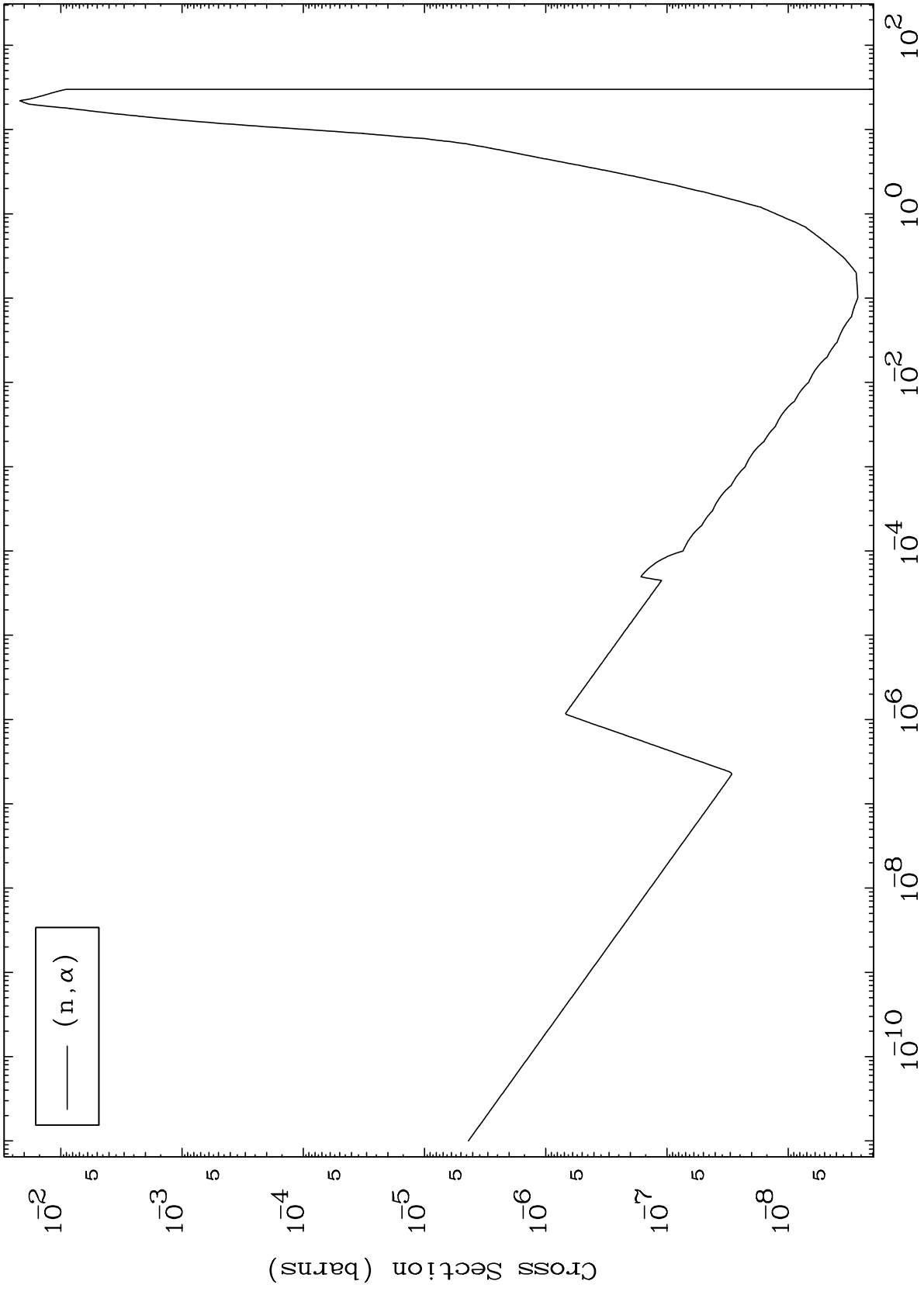
80-Hg-195

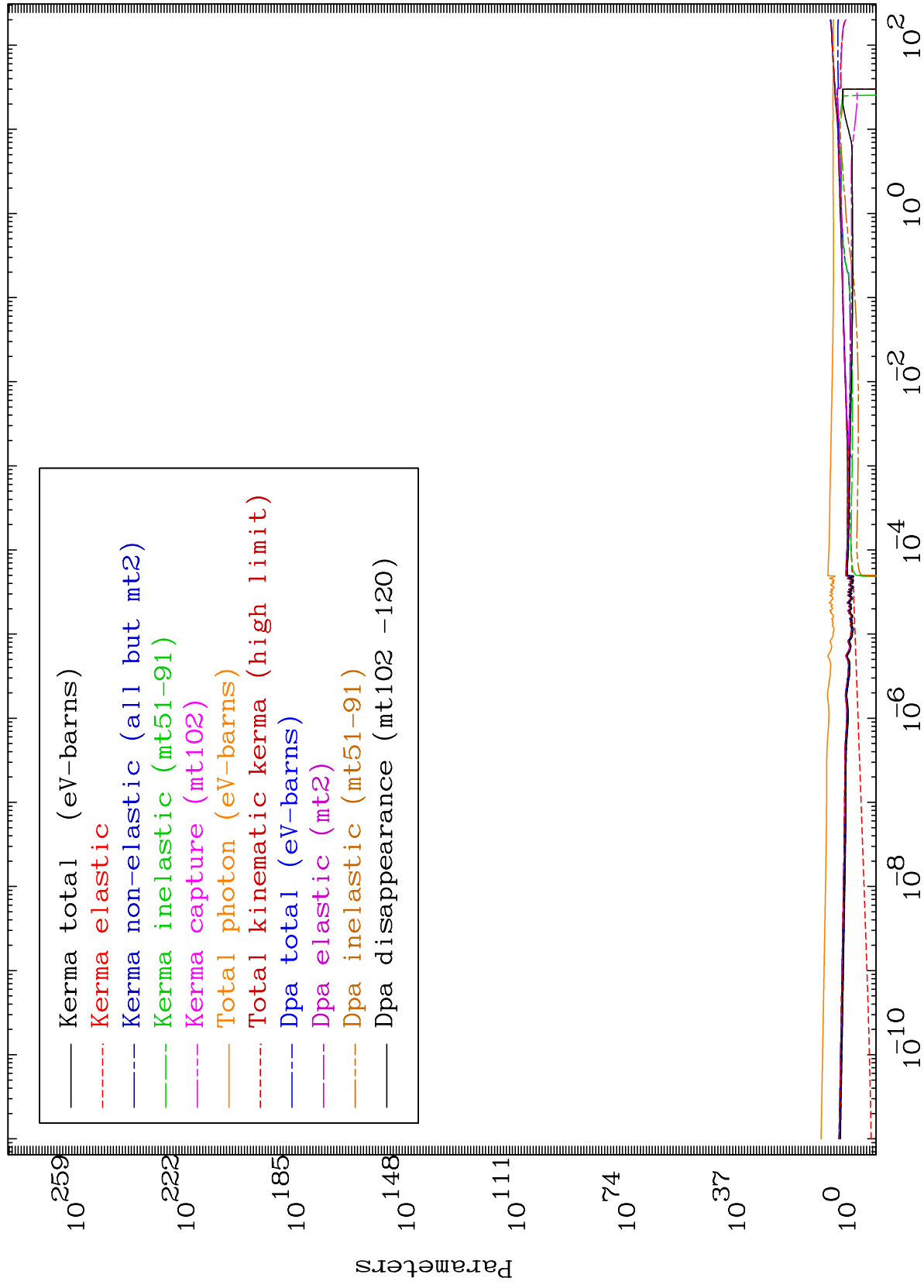


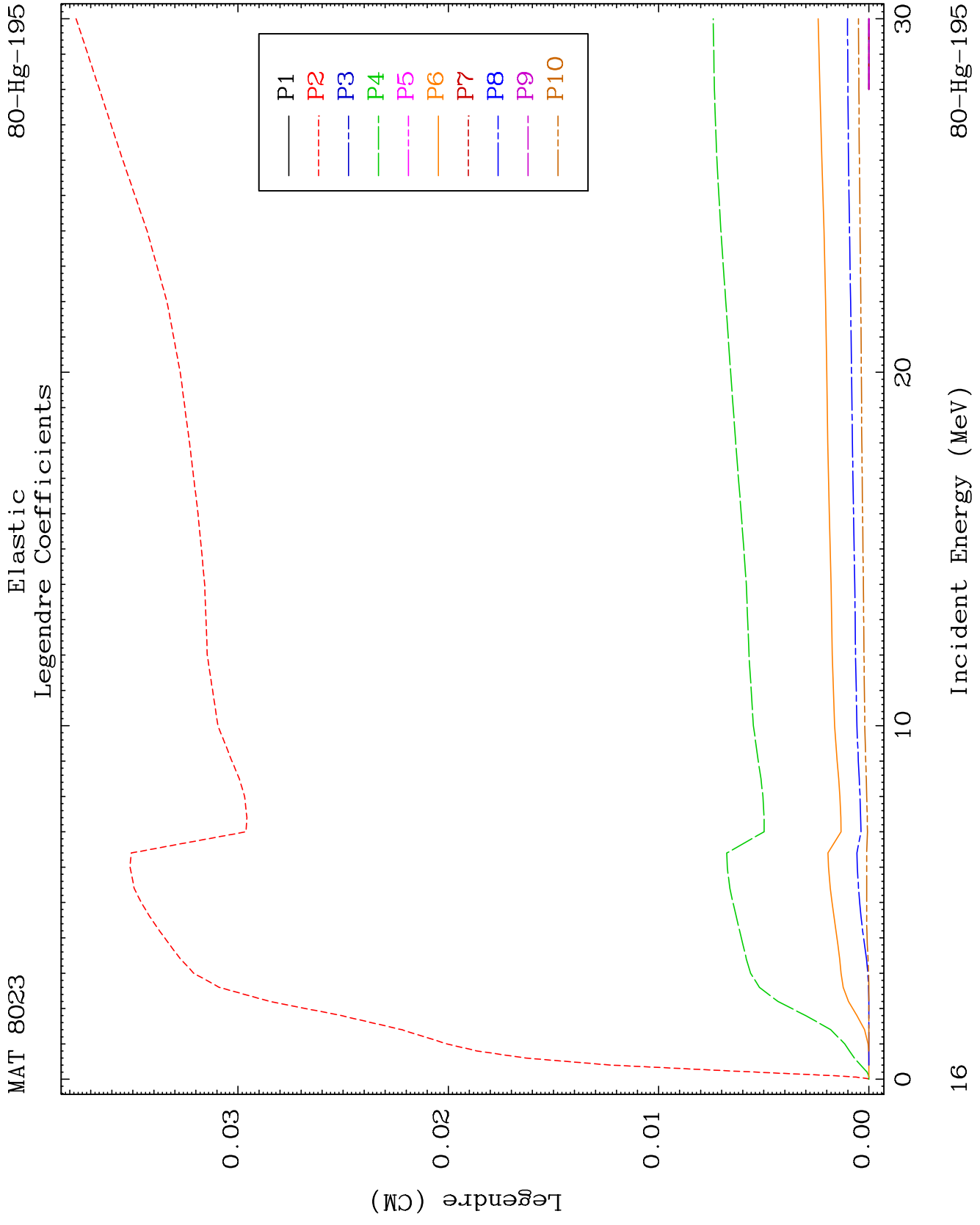
MAT 8023

(n,α) Levels
293 Kelvin Cross Sections

80-Hg-195



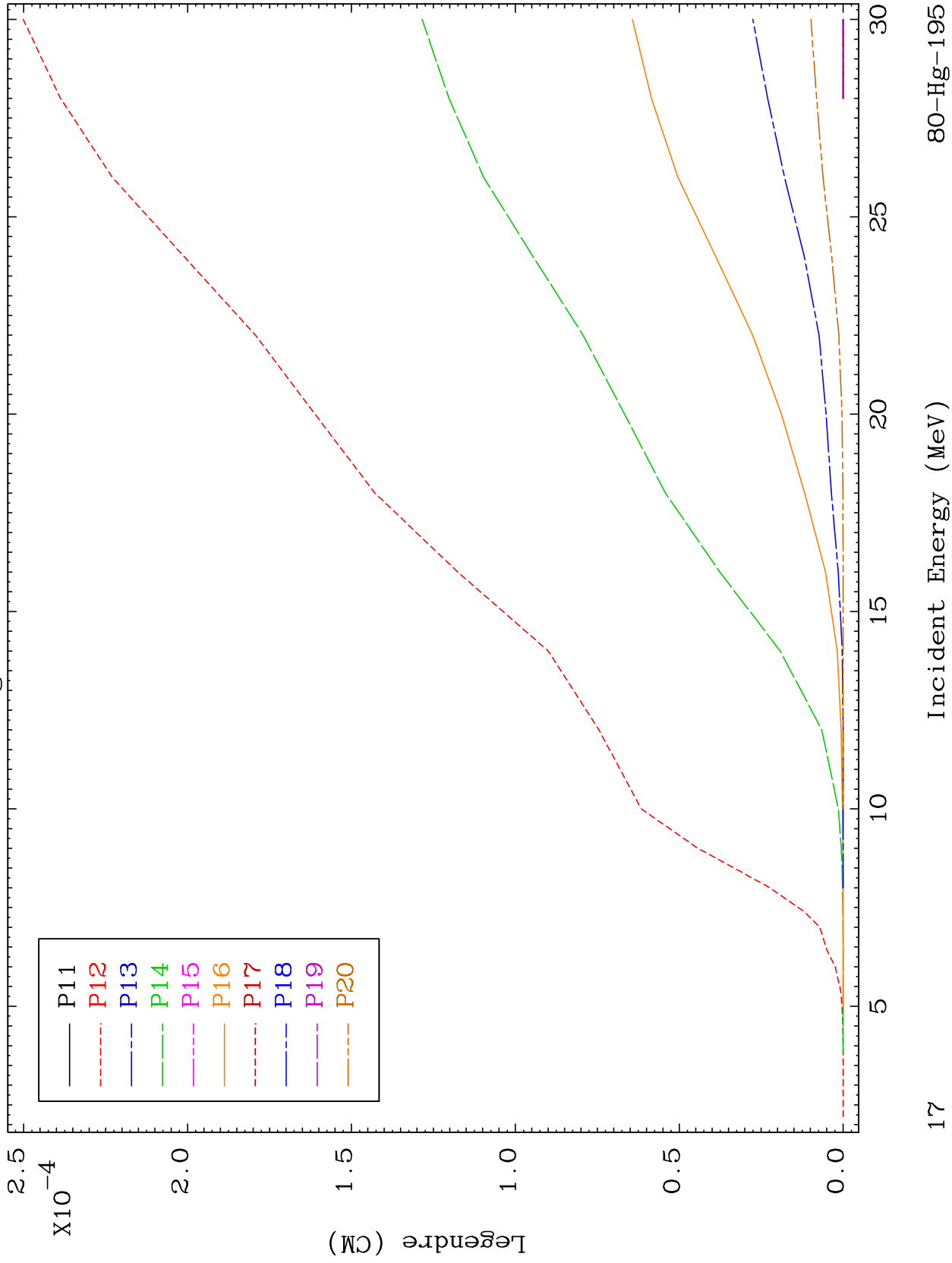




MAT 8023

Elastic Legendre Coefficients

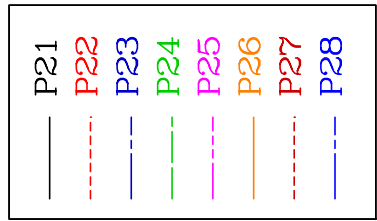
80-Hg-195



MAT 8023

Elastic Legendre Coefficients

80-Hg-195



$\times 10^{-6}$
1.5

Legendre (CM)

1.0

0.5

0.0

15

20

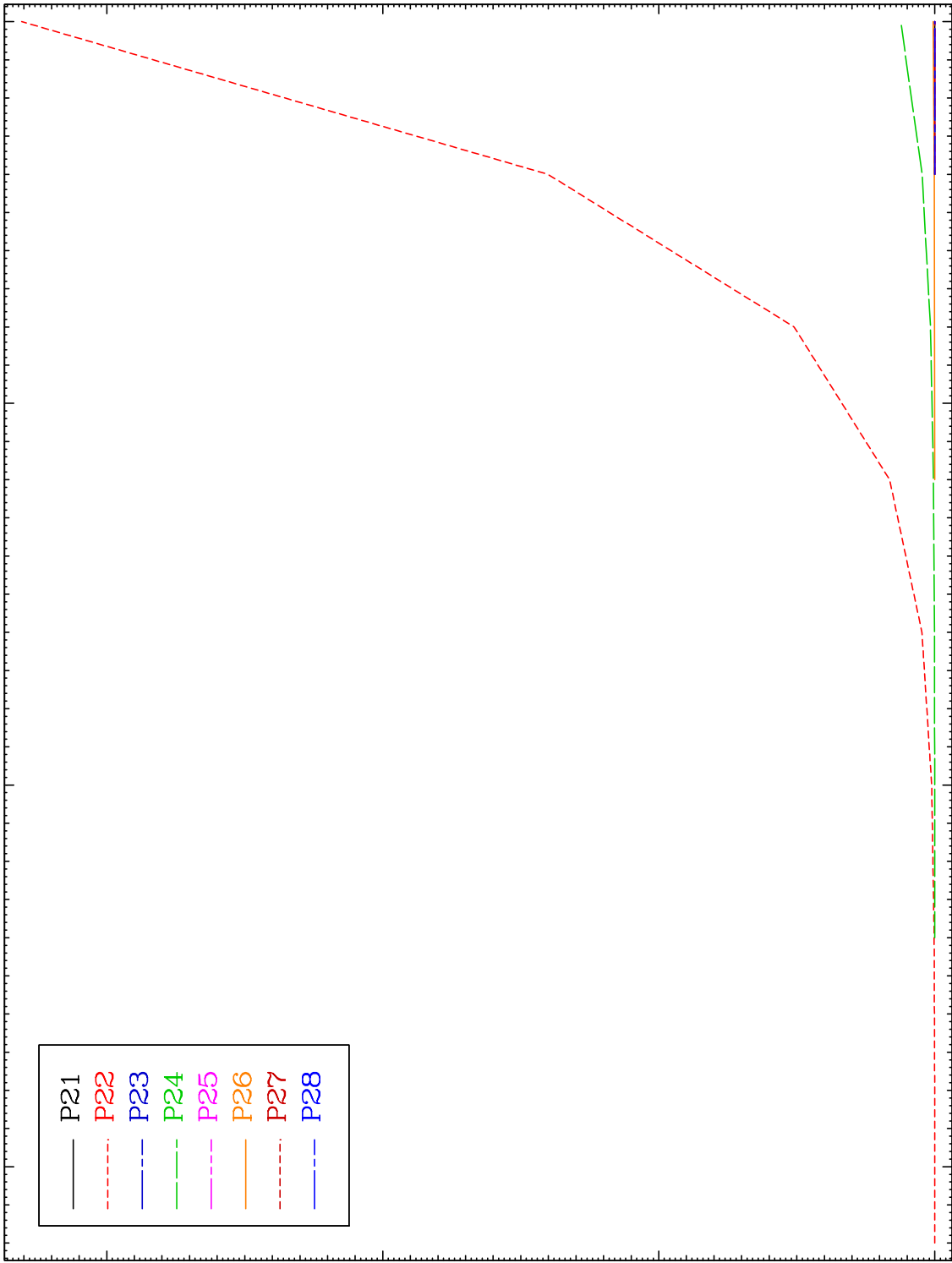
25

30

18

Incident Energy (MeV)

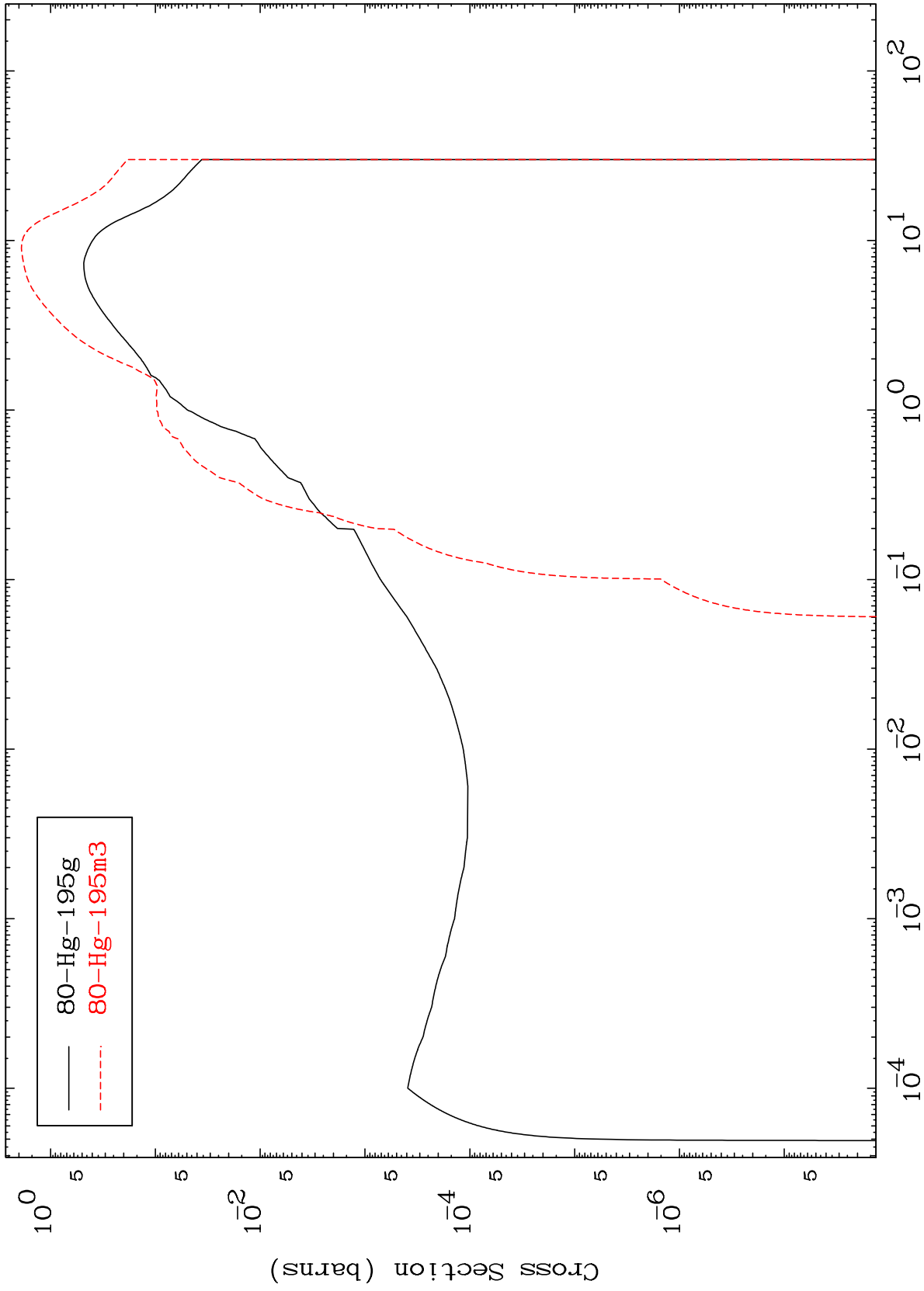
80-Hg-195



MAT 8023

Inelastic
Radionuclide Production Cross Section

80-Hg-195



19

Incident Energy (MeV)

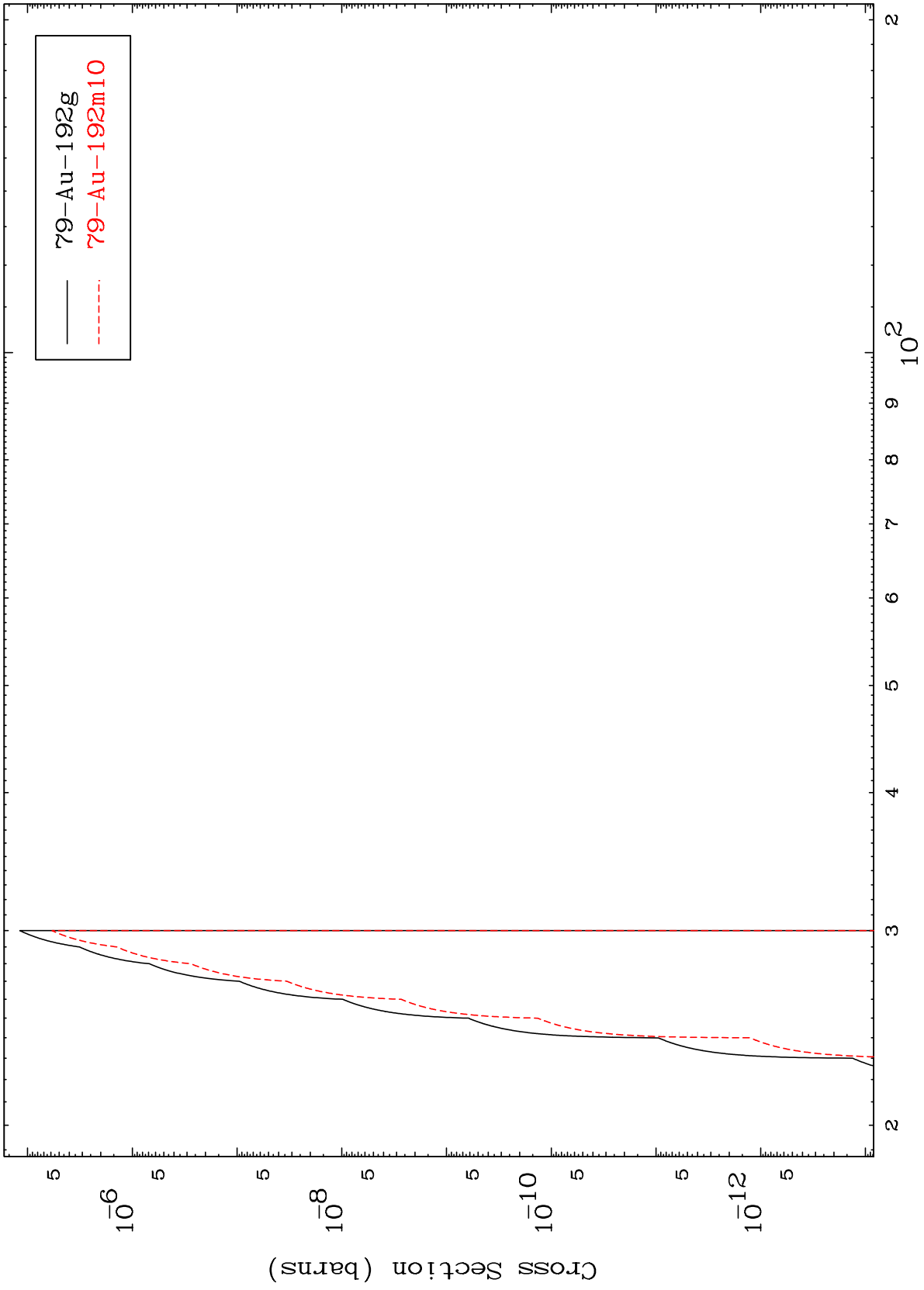
80-Hg-195

MAT 8023

(n,2n) d

80-Hg-195

Radionuclide Production Cross Section



20

Incident Energy (MeV)

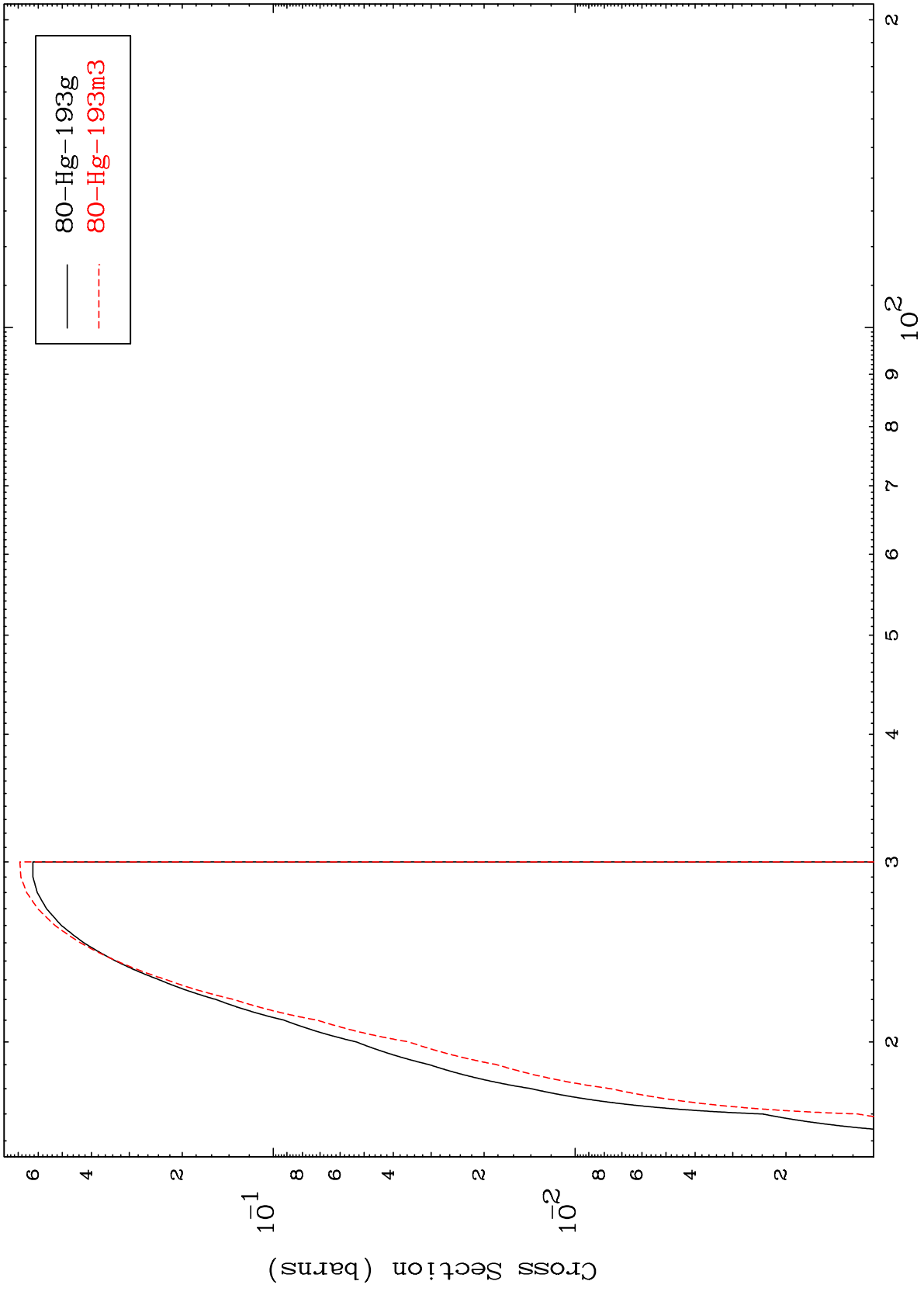
80-Hg-195

MAT 8023

(n,3n)

80-Hg-195

Radionuclide Production Cross Section



21

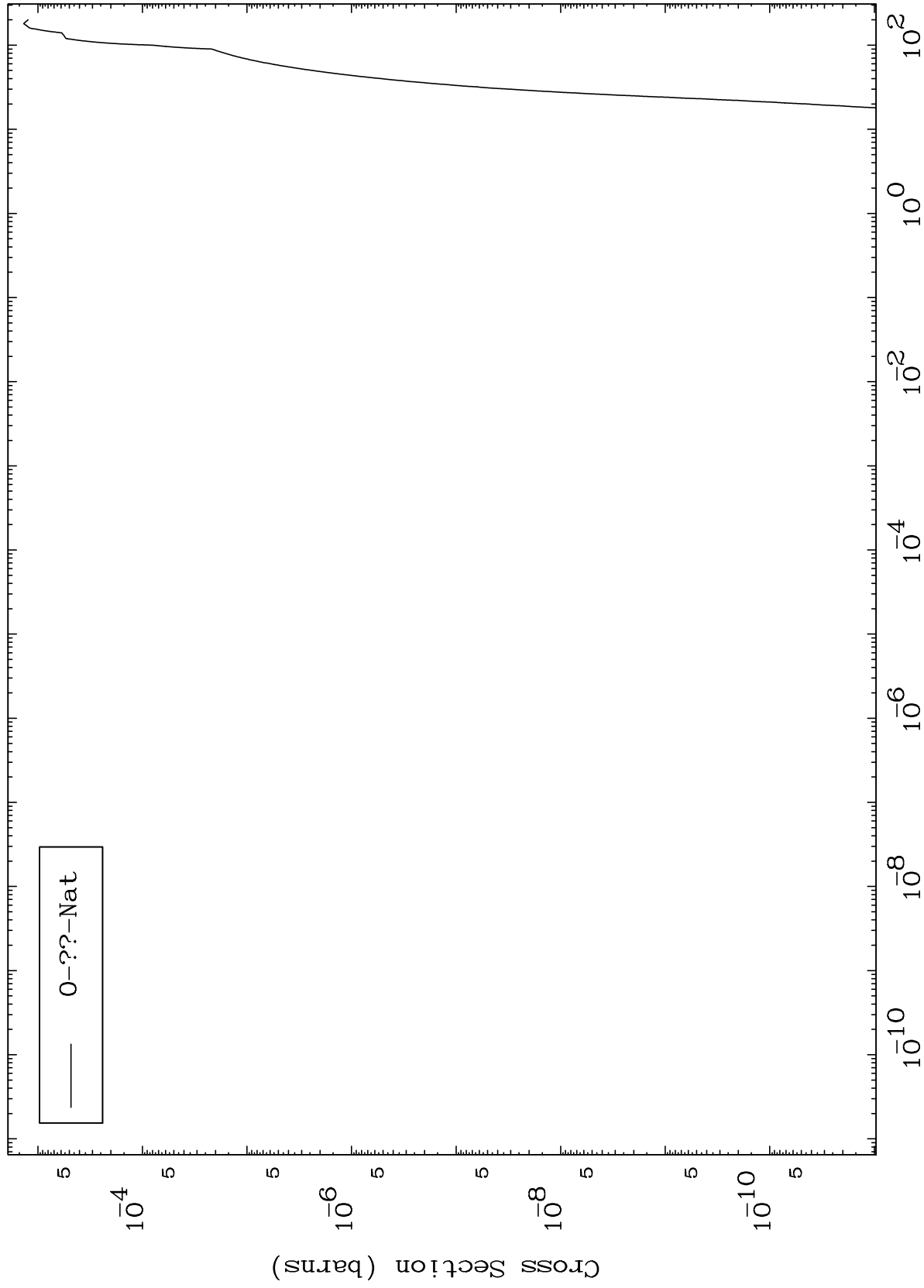
Incident Energy (MeV)

80-Hg-195

MAT 8023

Fission
Radionuclide Production Cross Section

80-Hg-195

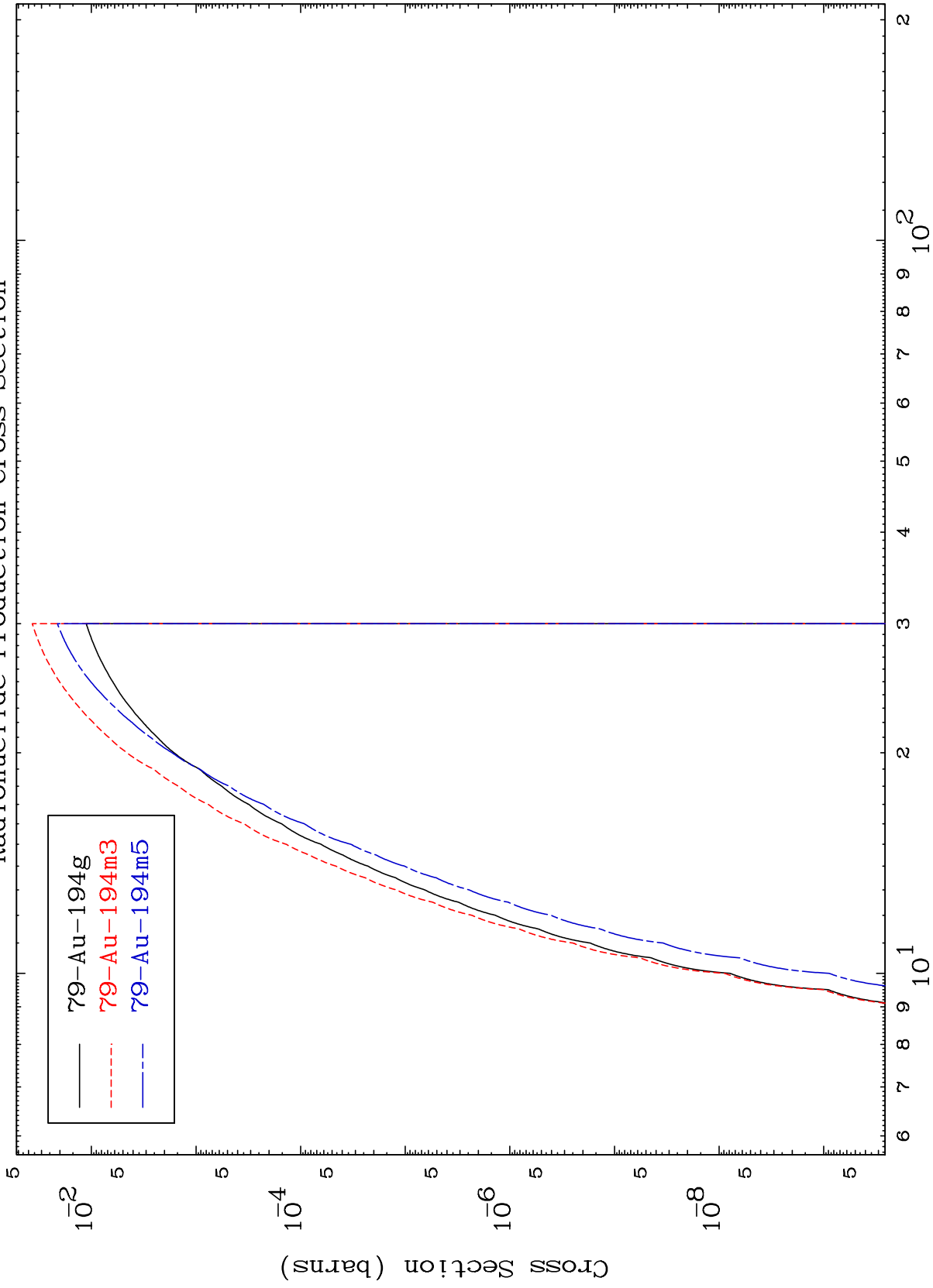


80-Hg-195

MAT 8023

80-Hg-195

(n,n') p
Radionuclide Production Cross Section



79-Au-194g
79-Au-194m3
79-Au-194m5

23

Incident Energy (MeV)

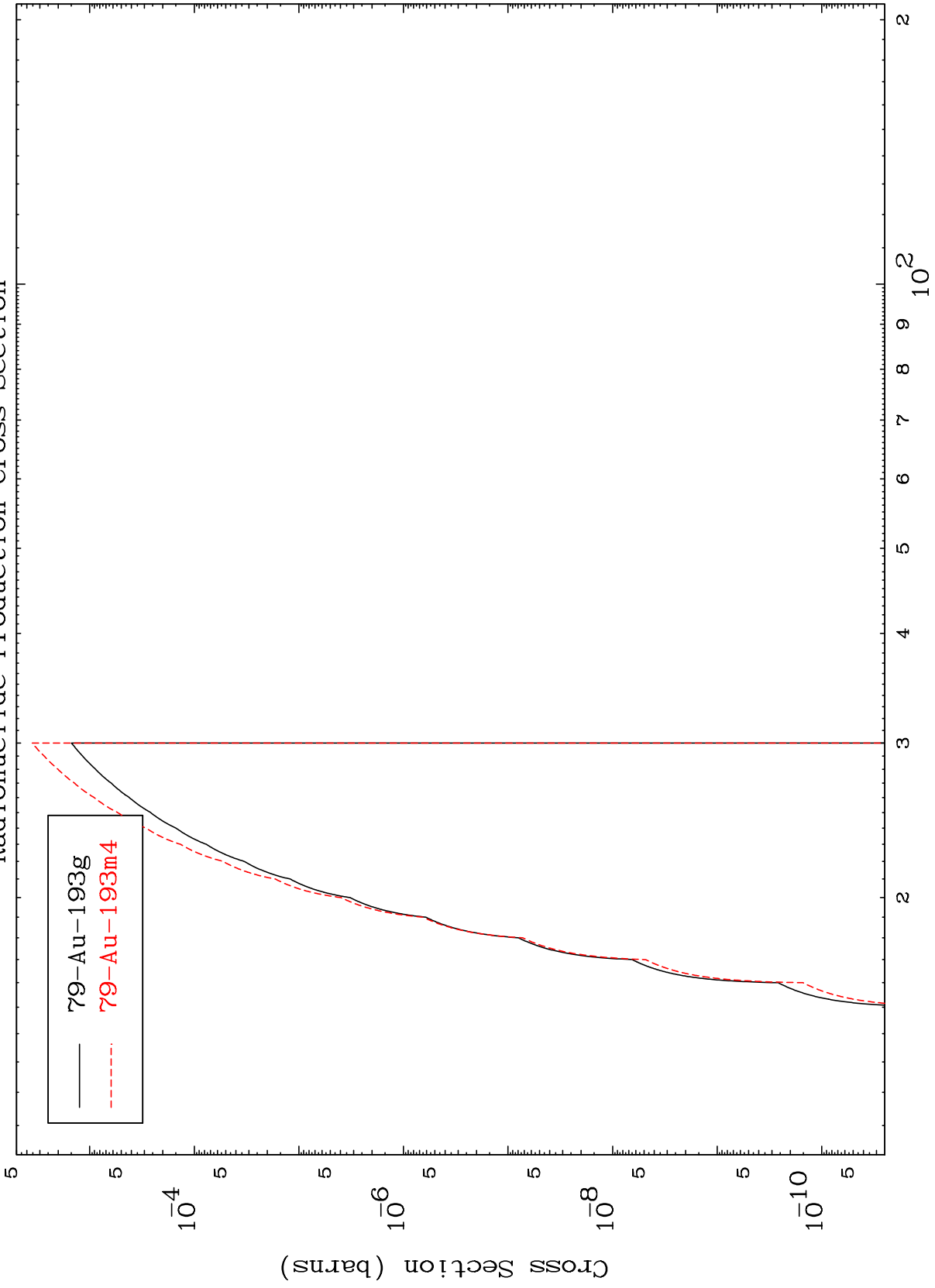
80-Hg-195

MAT 8023

(n,n') d

80-Hg-195

Radionuclide Production Cross Section



24

Incident Energy (MeV)

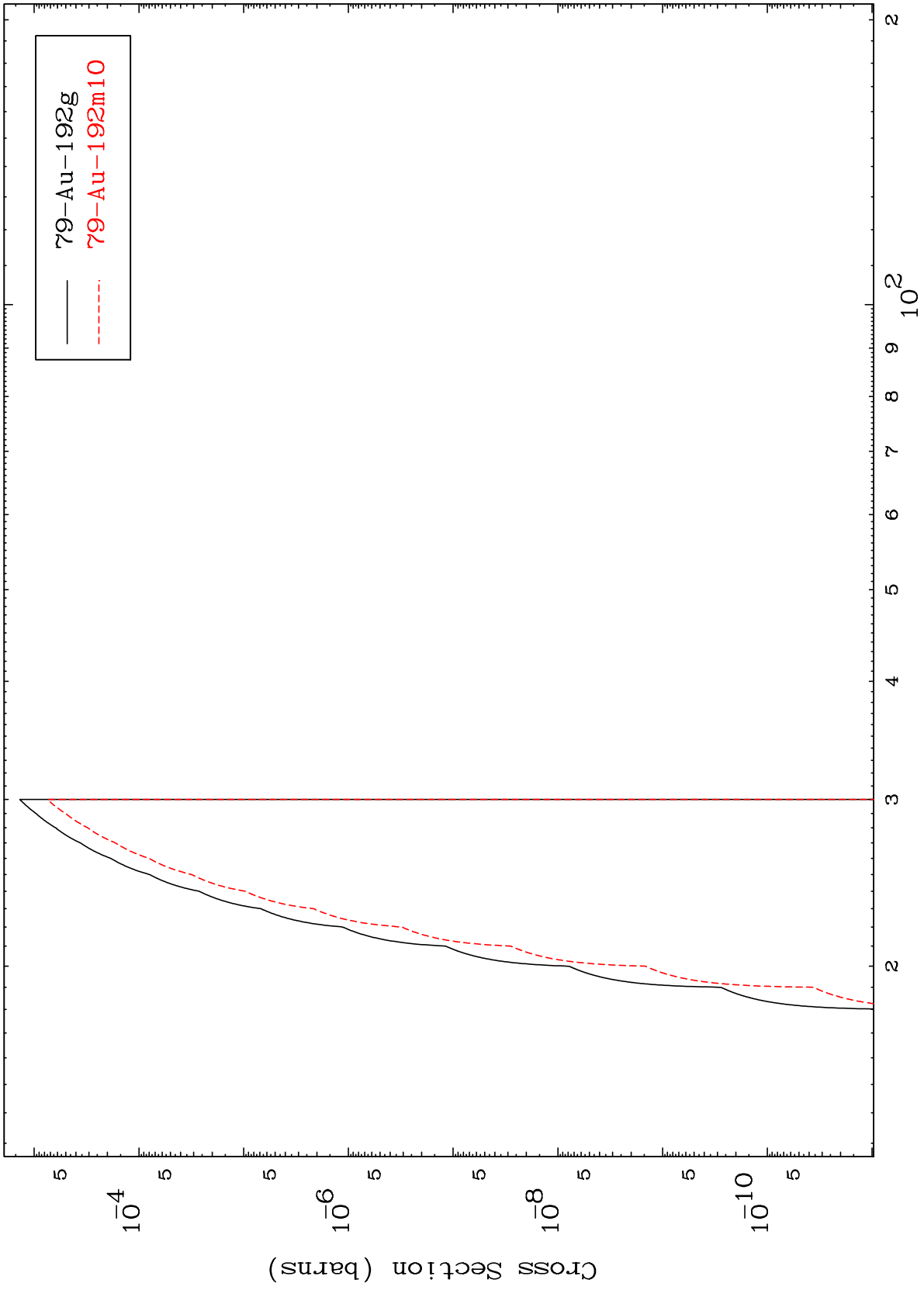
80-Hg-195

MAT 8023

(n,n') t

80-Hg-195

Radionuclide Production Cross Section



25

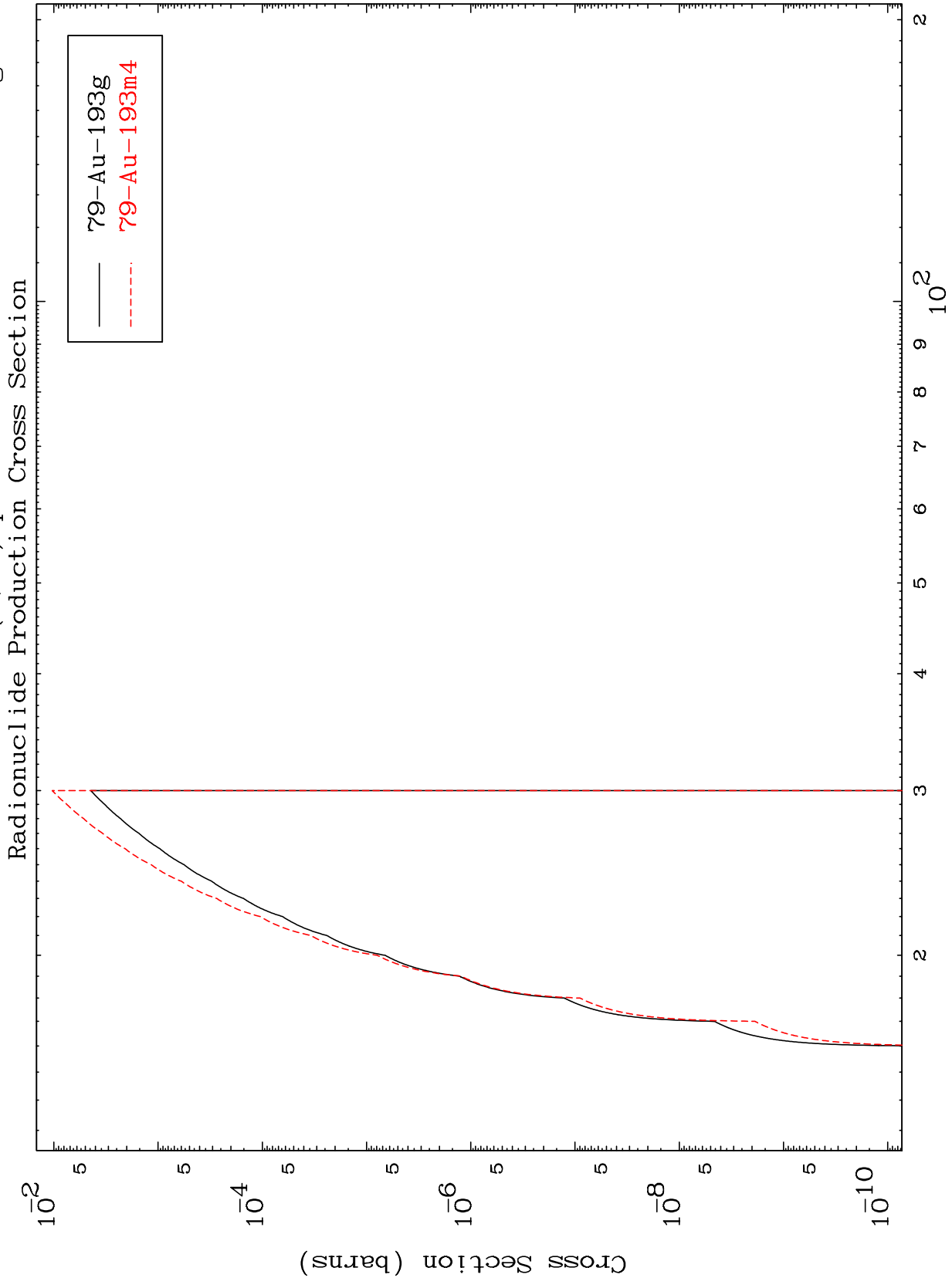
Incident Energy (MeV)

80-Hg-195

MAT 8023

(n,2n) p

80-Hg-195



26

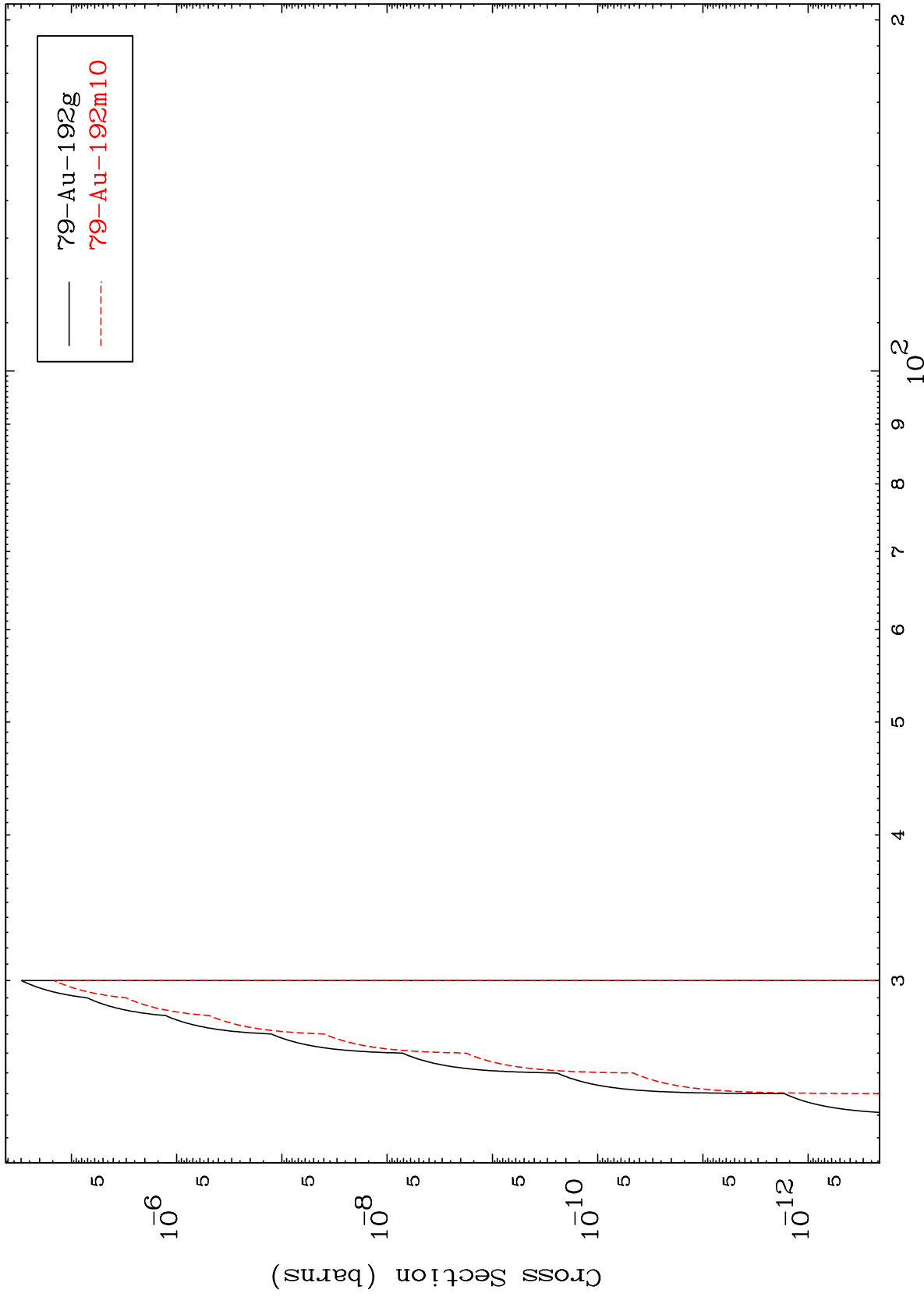
80-Hg-195

MAT 8023

(n,3n) p

80-Hg-195

Radionuclide Production Cross Section



27

Incident Energy (MeV)

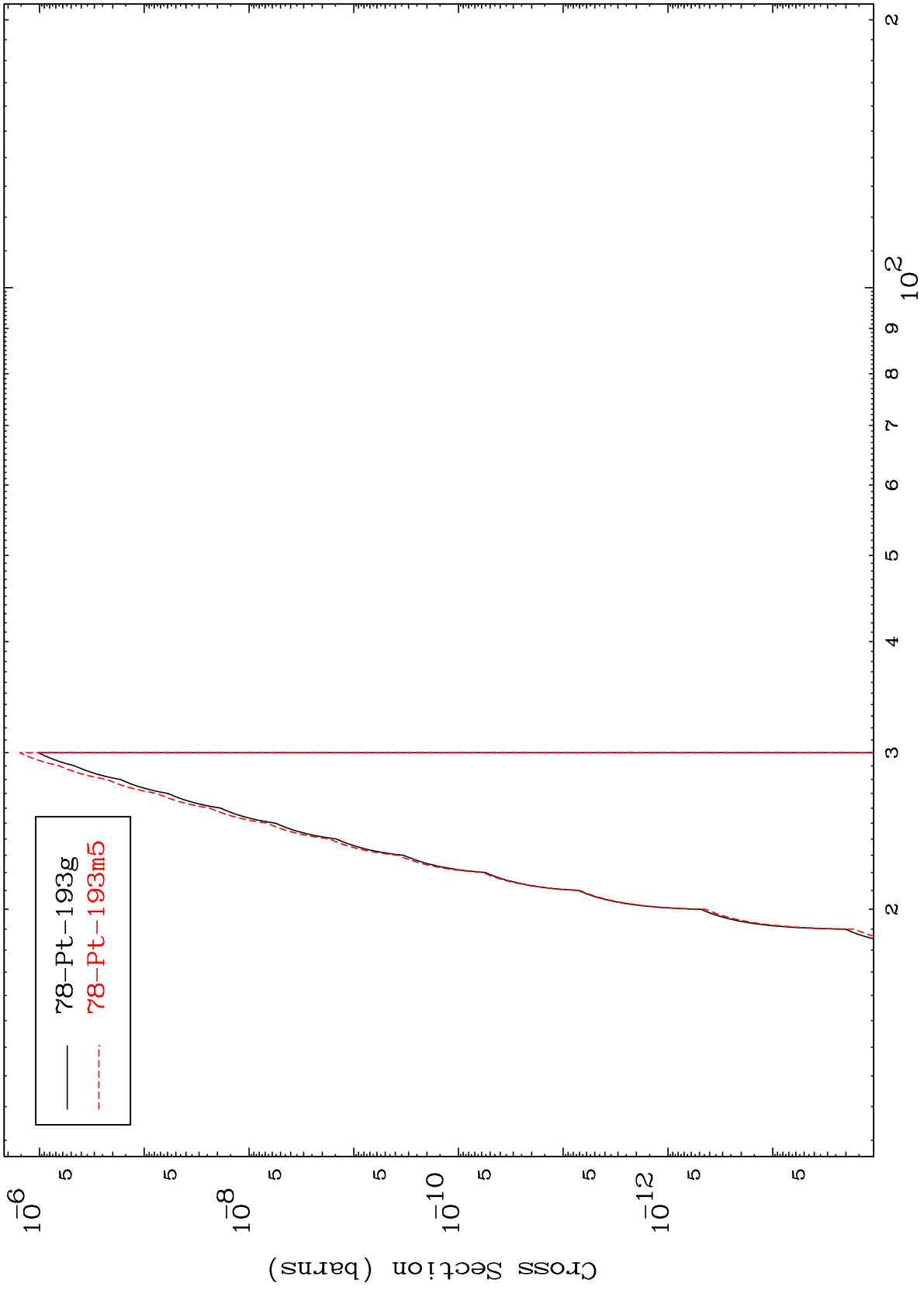
80-Hg-195

MAT 8023

(n,2n) p

80-Hg-195

Radionuclide Production Cross Section



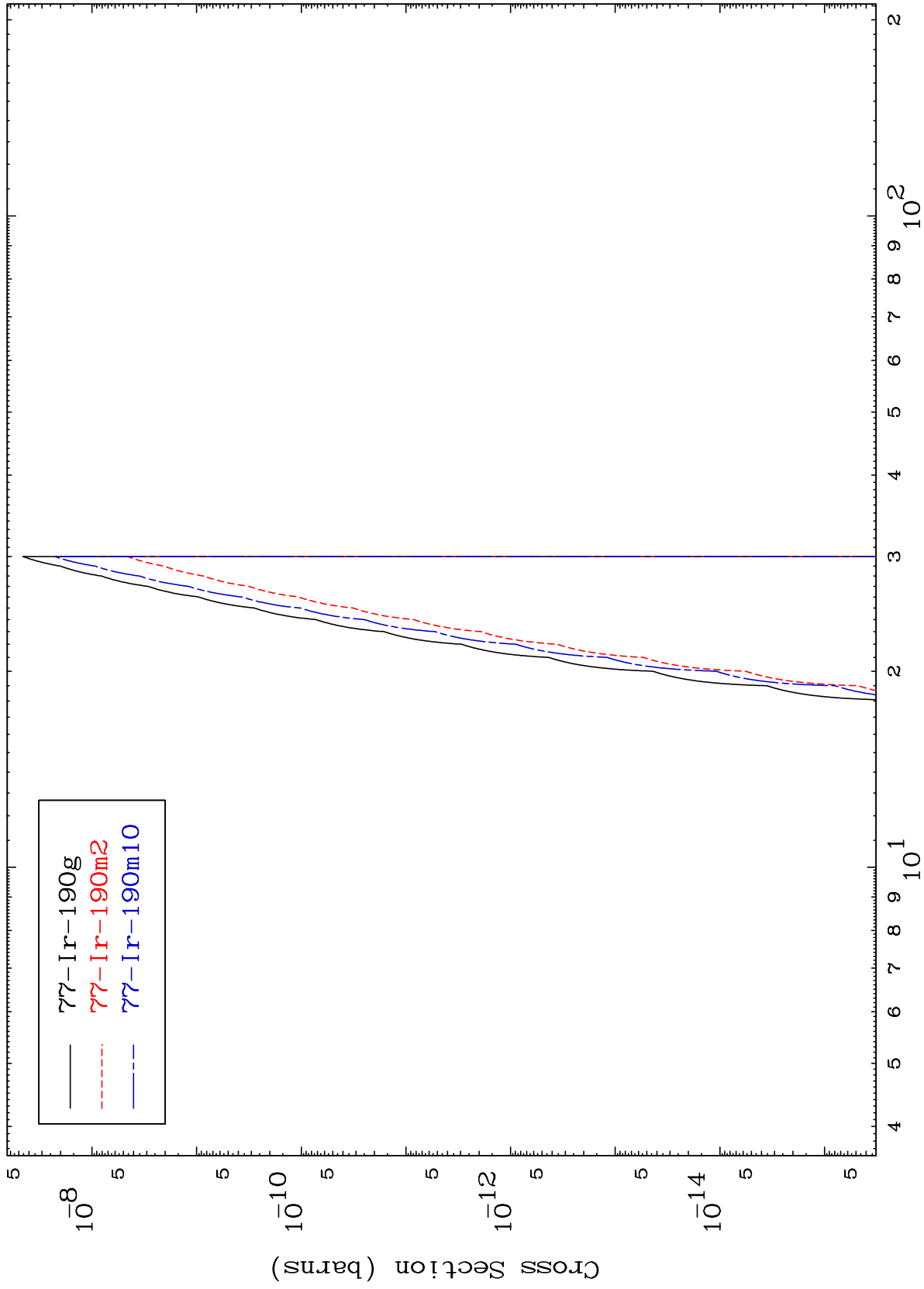
28

80-Hg-195

MAT 8023

80-Hg-195

(n,n') p α
Radionuclide Production Cross Section



29

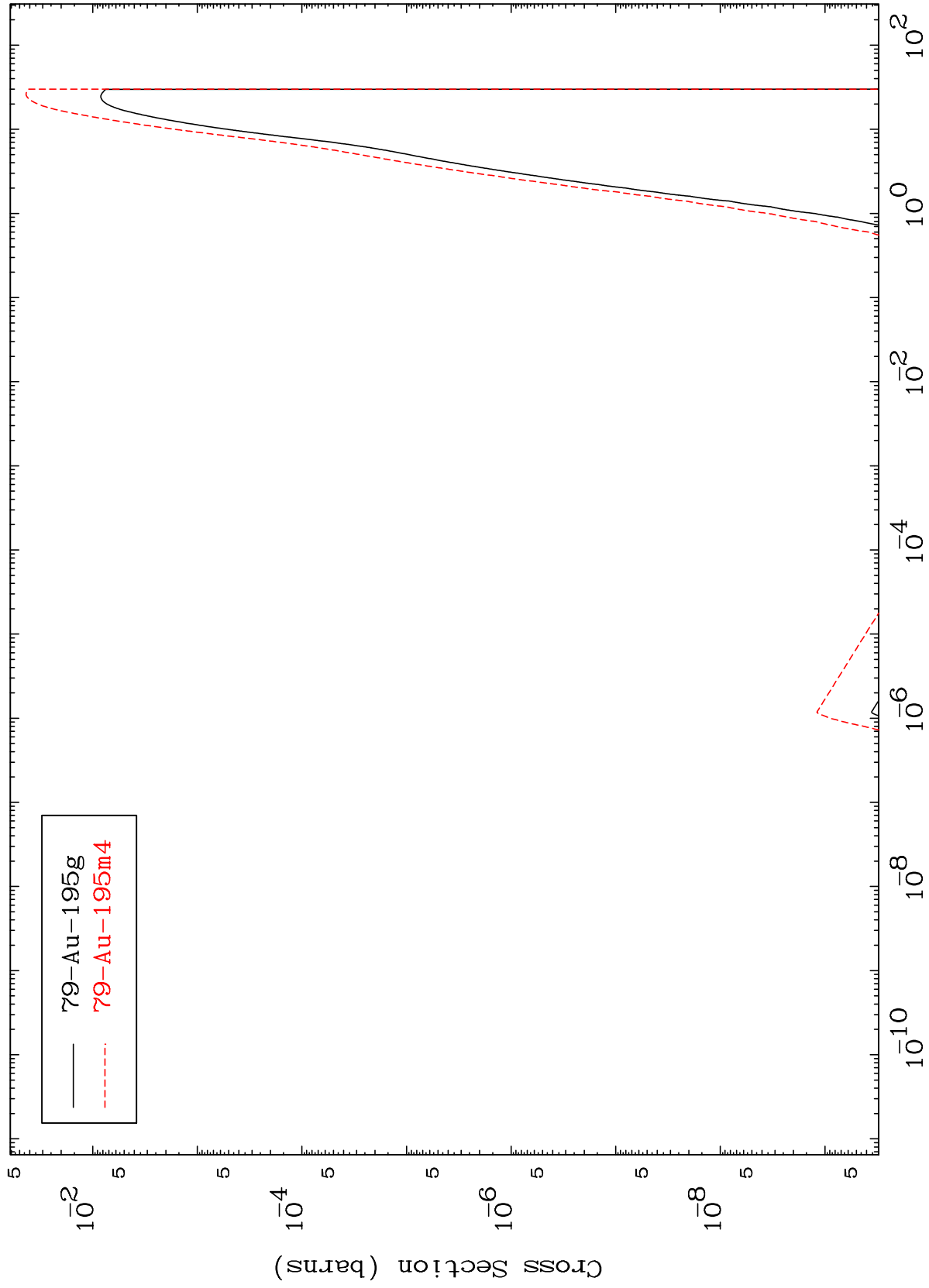
Incident Energy (MeV)

80-Hg-195

MAT 8023

(n,p)
Radionuclide Production Cross Section

80-Hg-195



30

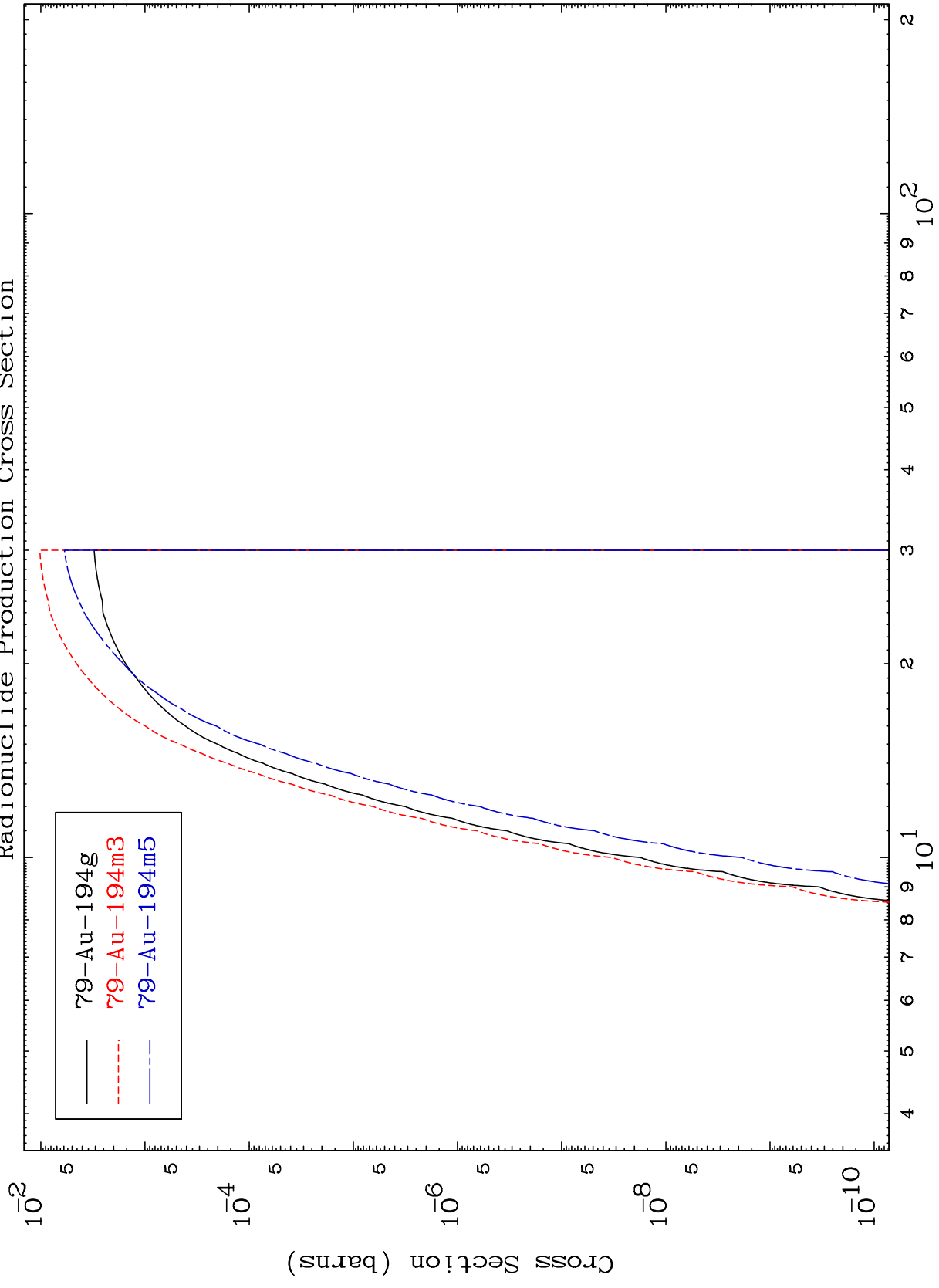
Incident Energy (MeV)

80-Hg-195

MAT 8023

80-Hg-195

(n,d)
Radionuclide Production Cross Section



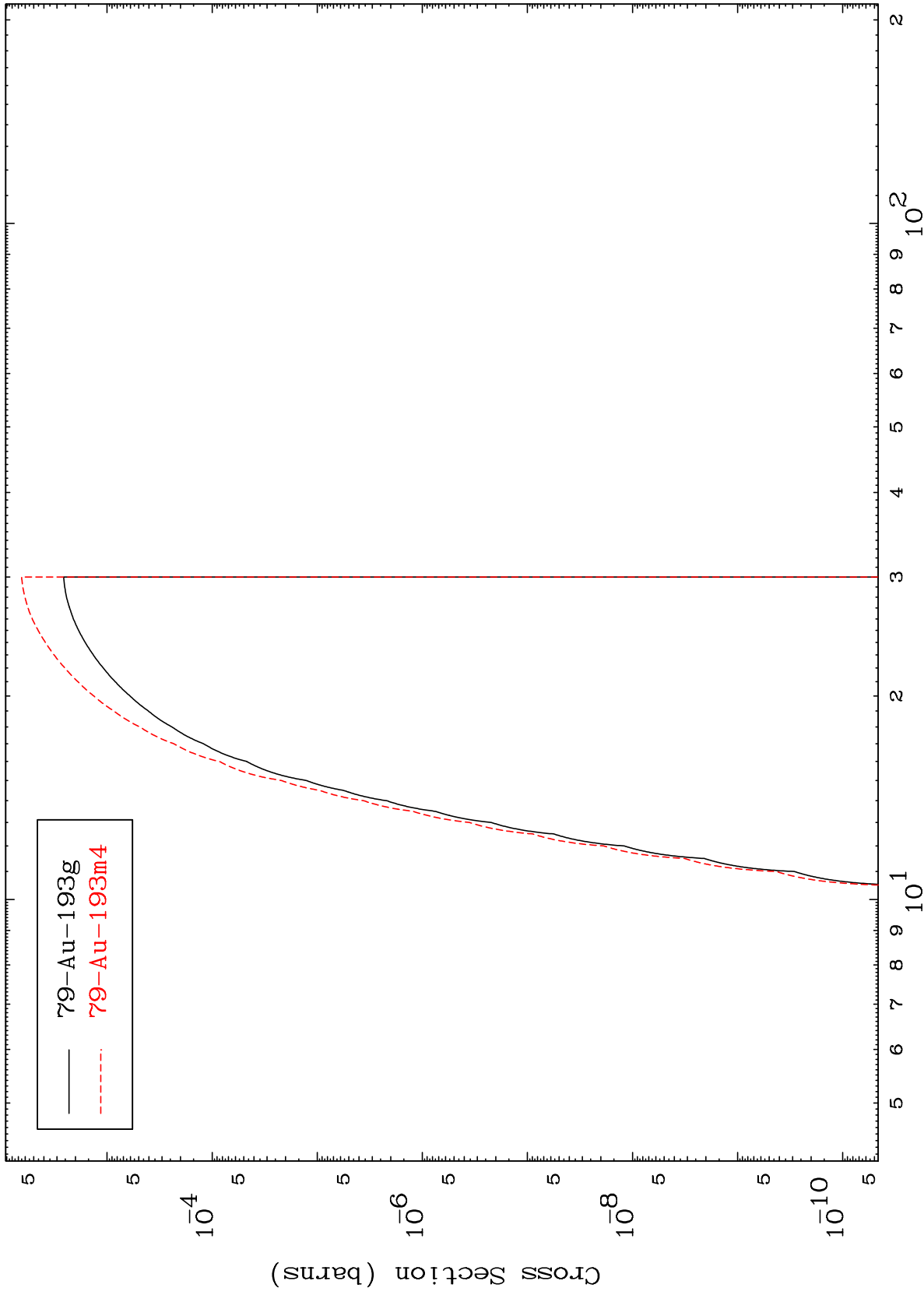
80-Hg-195

Incident Energy (MeV)

MAT 8023

80-Hg-195

(n, t)
Radionuclide Production Cross Section



32

Incident Energy (MeV)

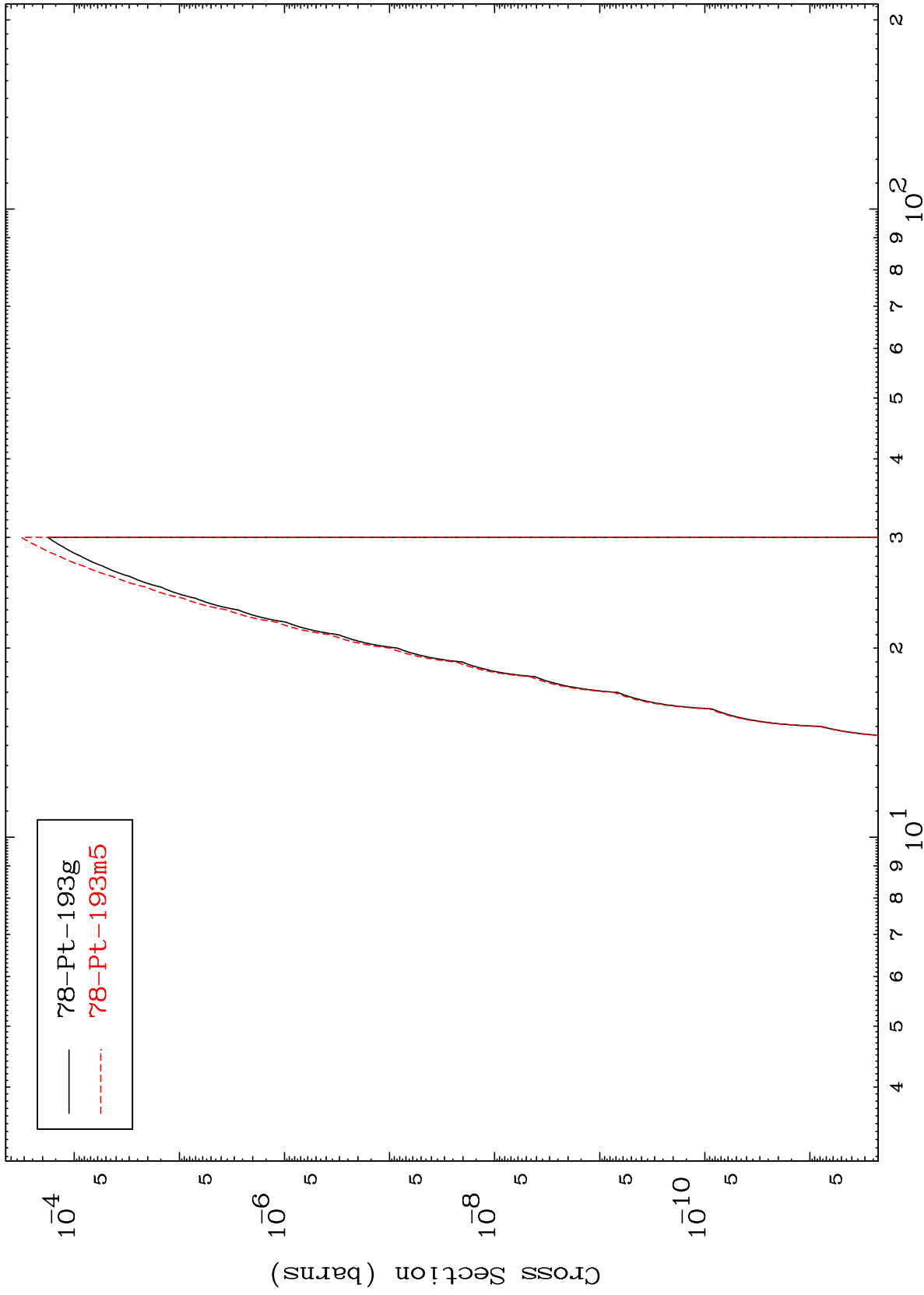
80-Hg-195

MAT 8023

(n, He-3)

80-Hg-195

Radionuclide Production Cross Section



33

Incident Energy (MeV)

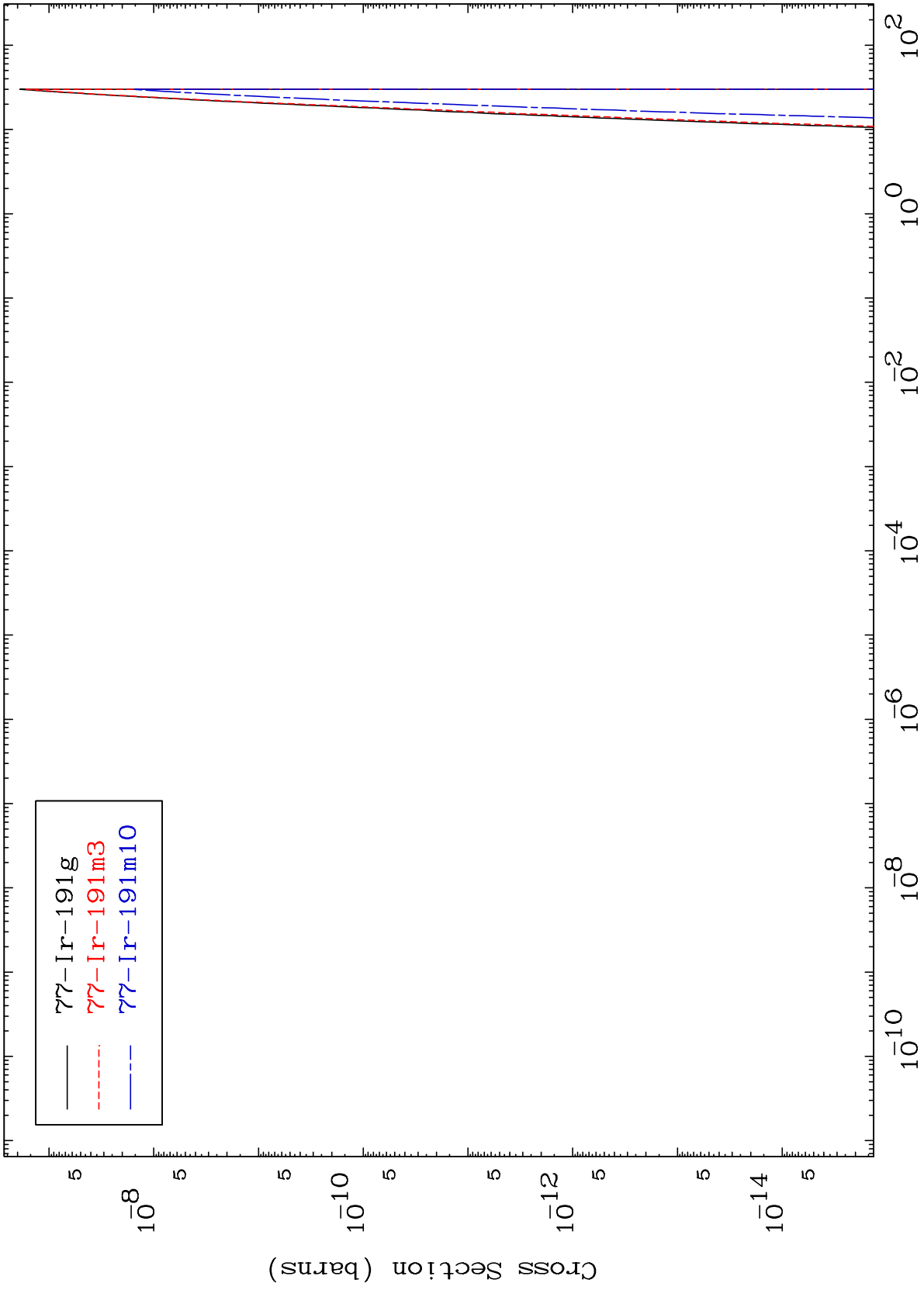
80-Hg-195

MAT 8023

(n,p) α

80-Hg-195

Radionuclide Production Cross Section



34

Incident Energy (MeV)

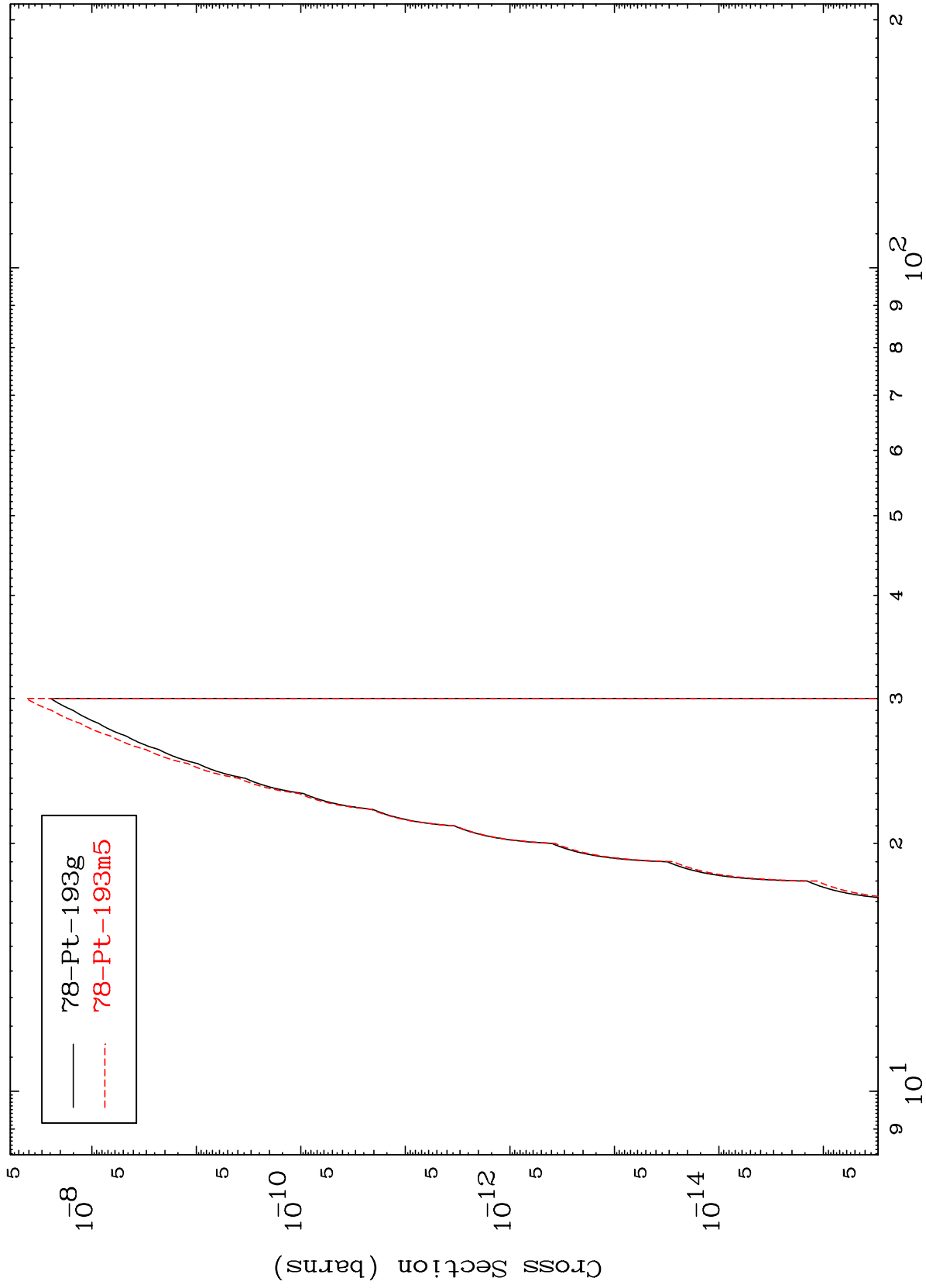
80-Hg-195

MAT 8023

(n,p) d

80-Hg-195

Radionuclide Production Cross Section



78-Pt-193g
78-Pt-193m5

35

Incident Energy (MeV)

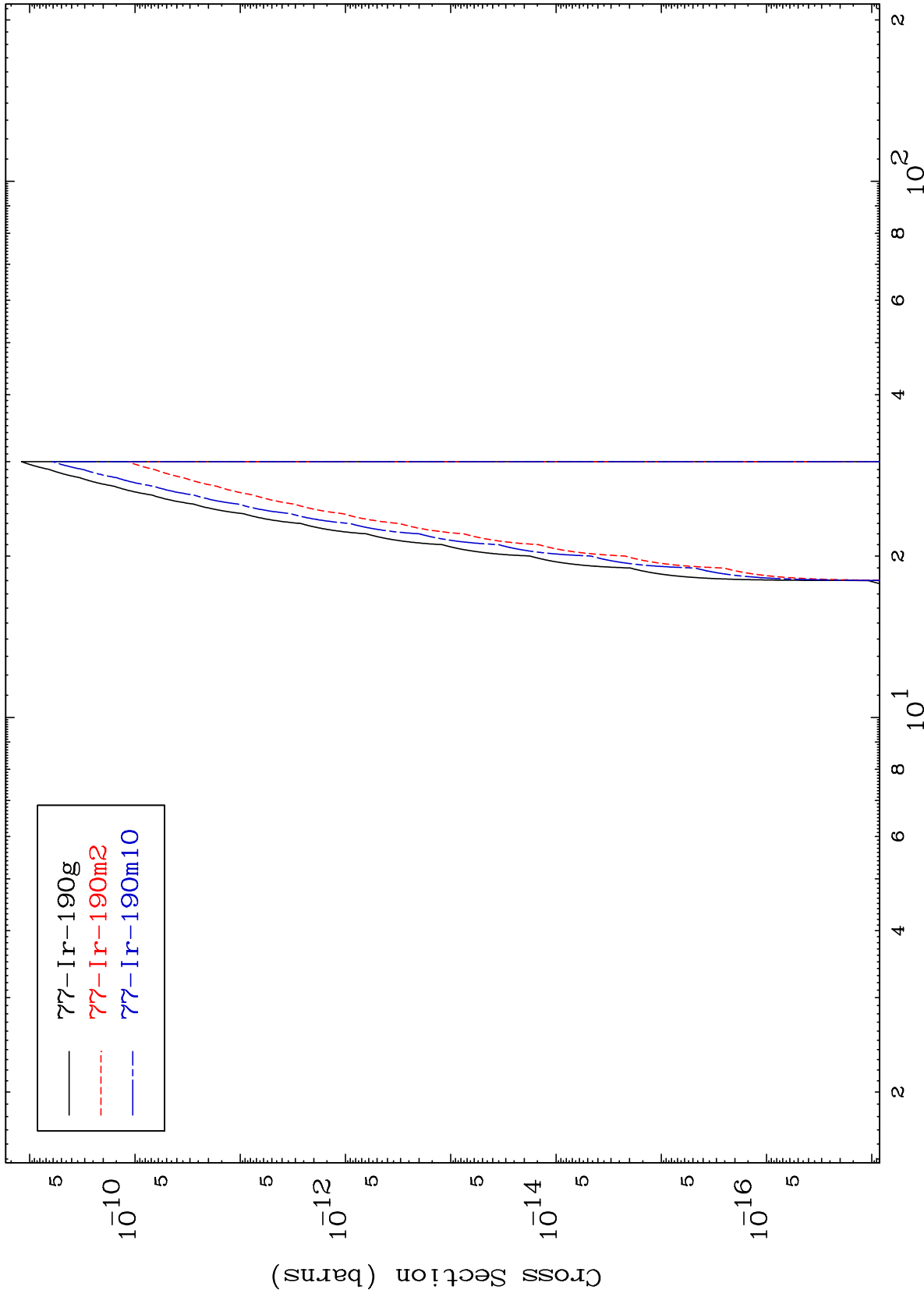
80-Hg-195

MAT 8023

(n,d) α

80-Hg-195

Radionuclide Production Cross Section



36

Incident Energy (MeV)

80-Hg-195