

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

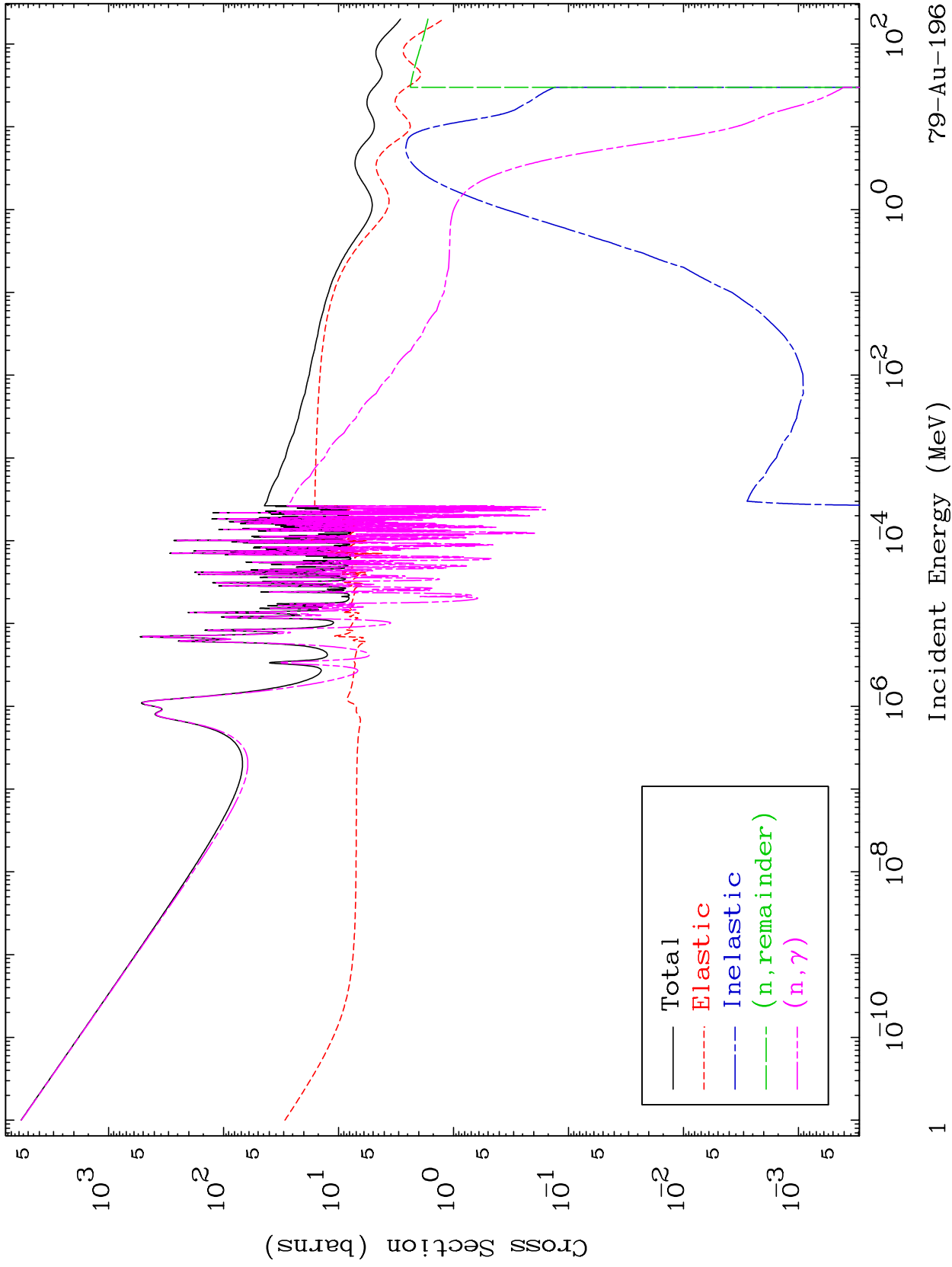
Press Mouse Button to Start

MAT 7924

Major

293 Kelvin Cross Sections

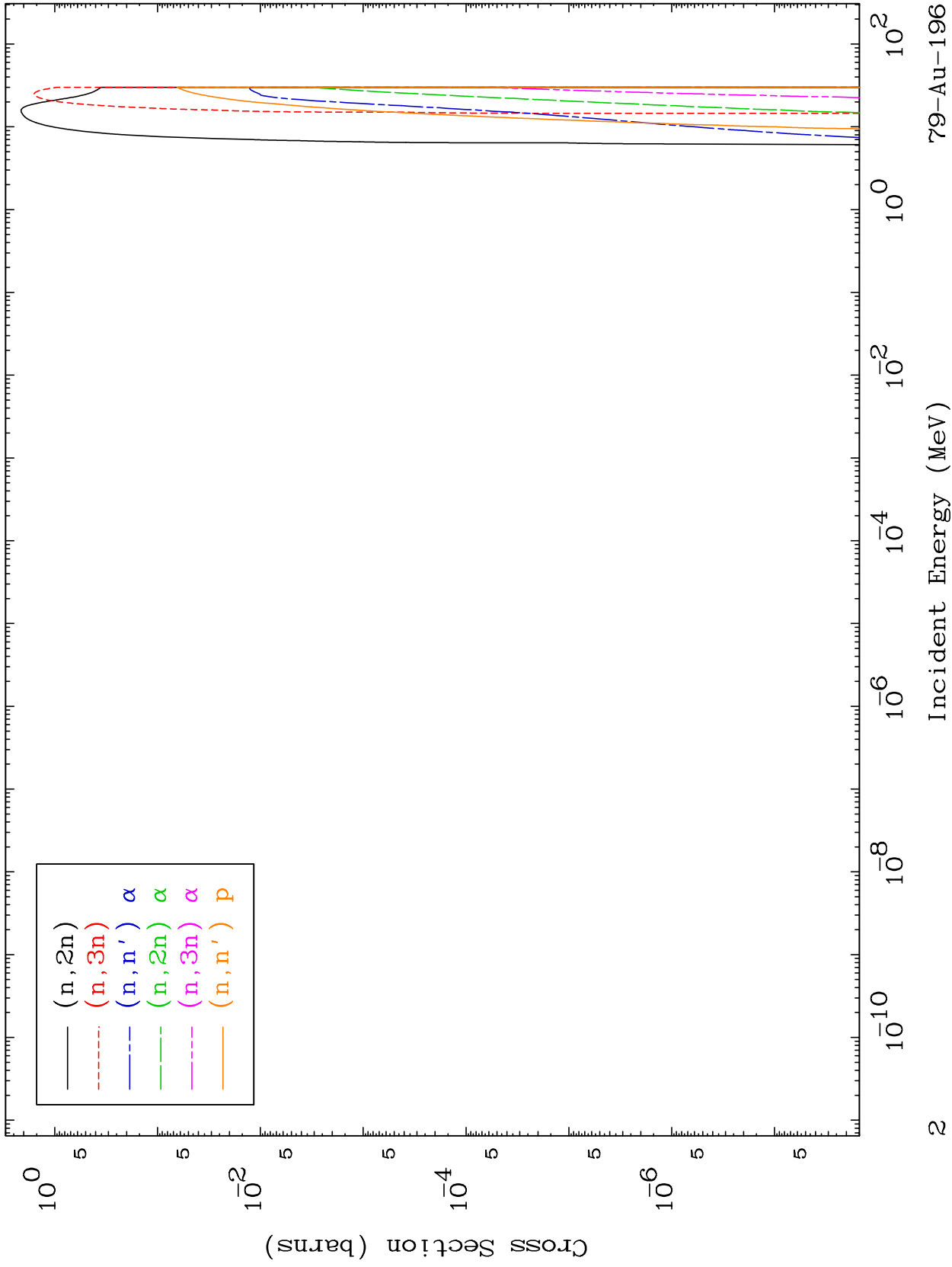
79-Au-196



MAT 7924

Neutron Production
293 Kelvin Cross Sections

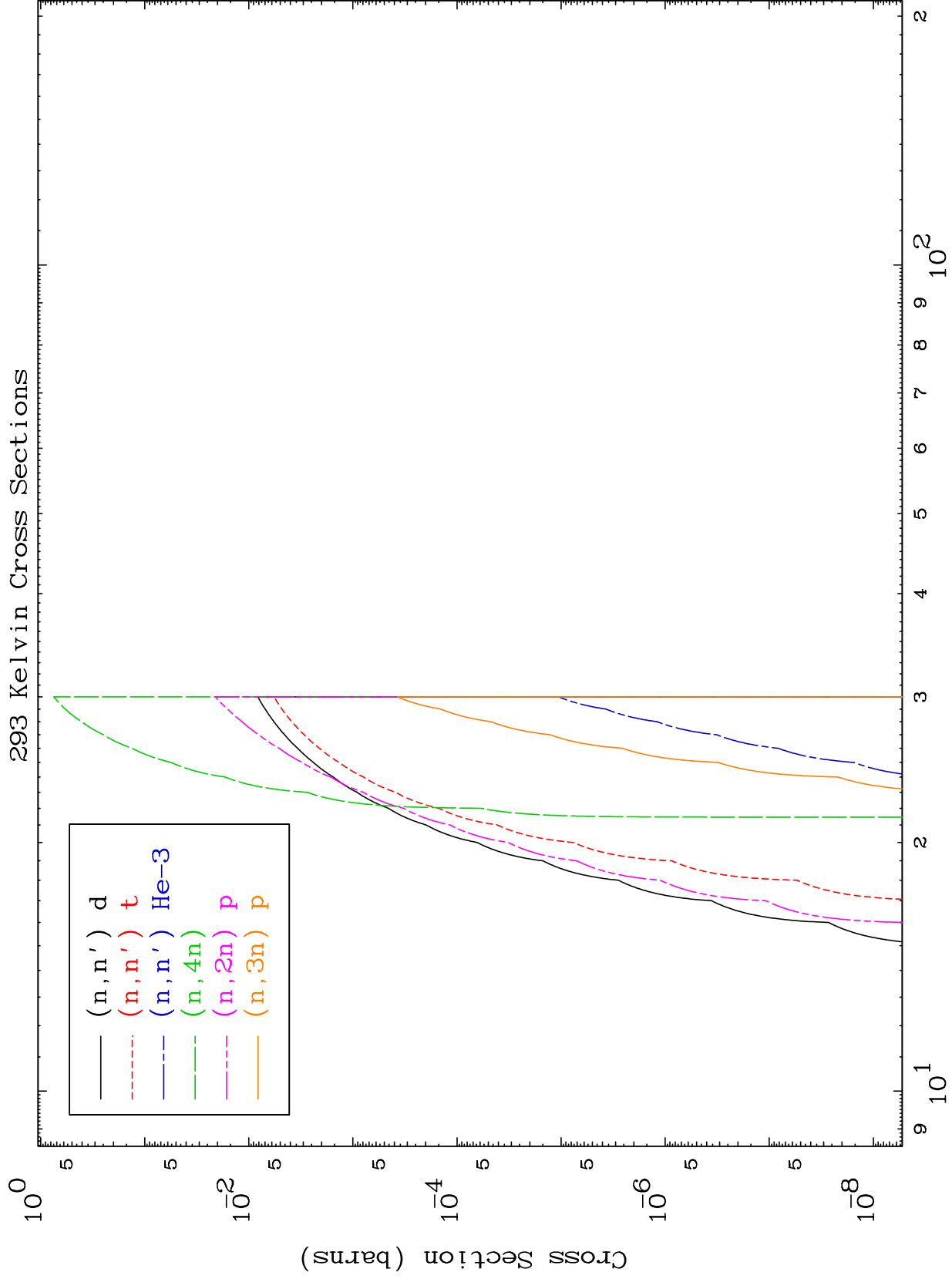
79-Au-196



MAT 7924

Neutron Production
293 Kelvin Cross Sections

79-Au-196



Incident Energy (MeV)

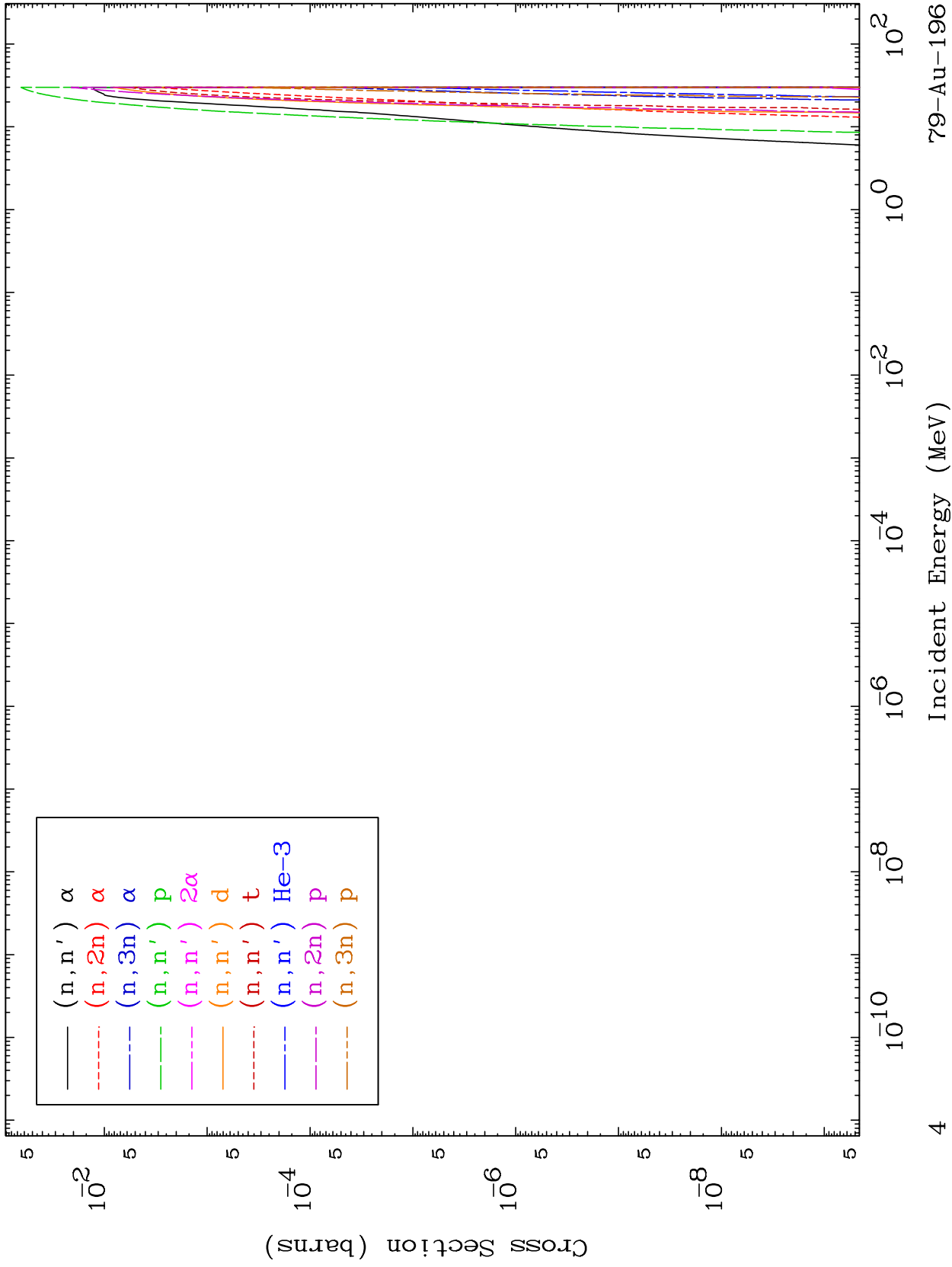
79-Au-196

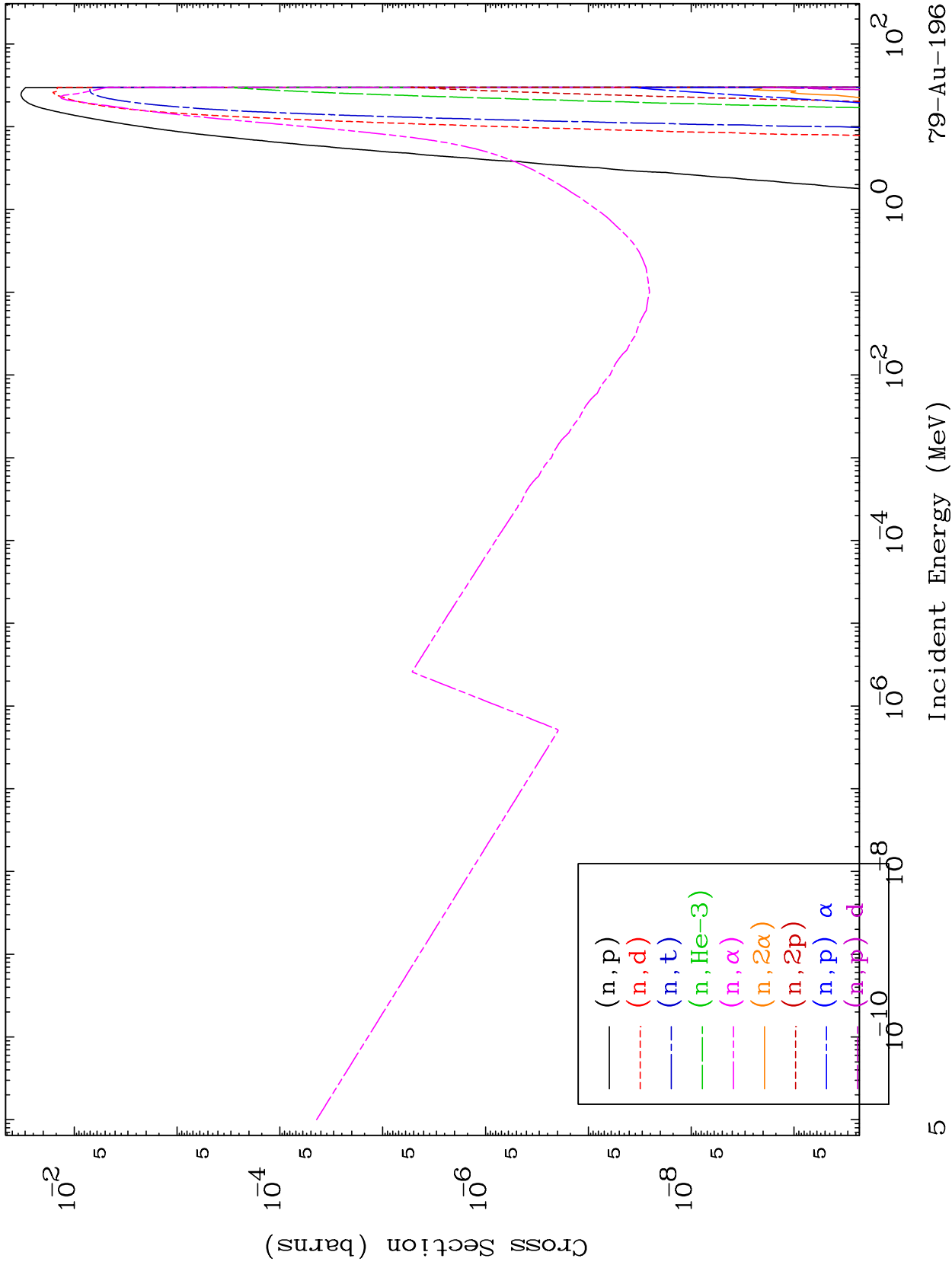
3

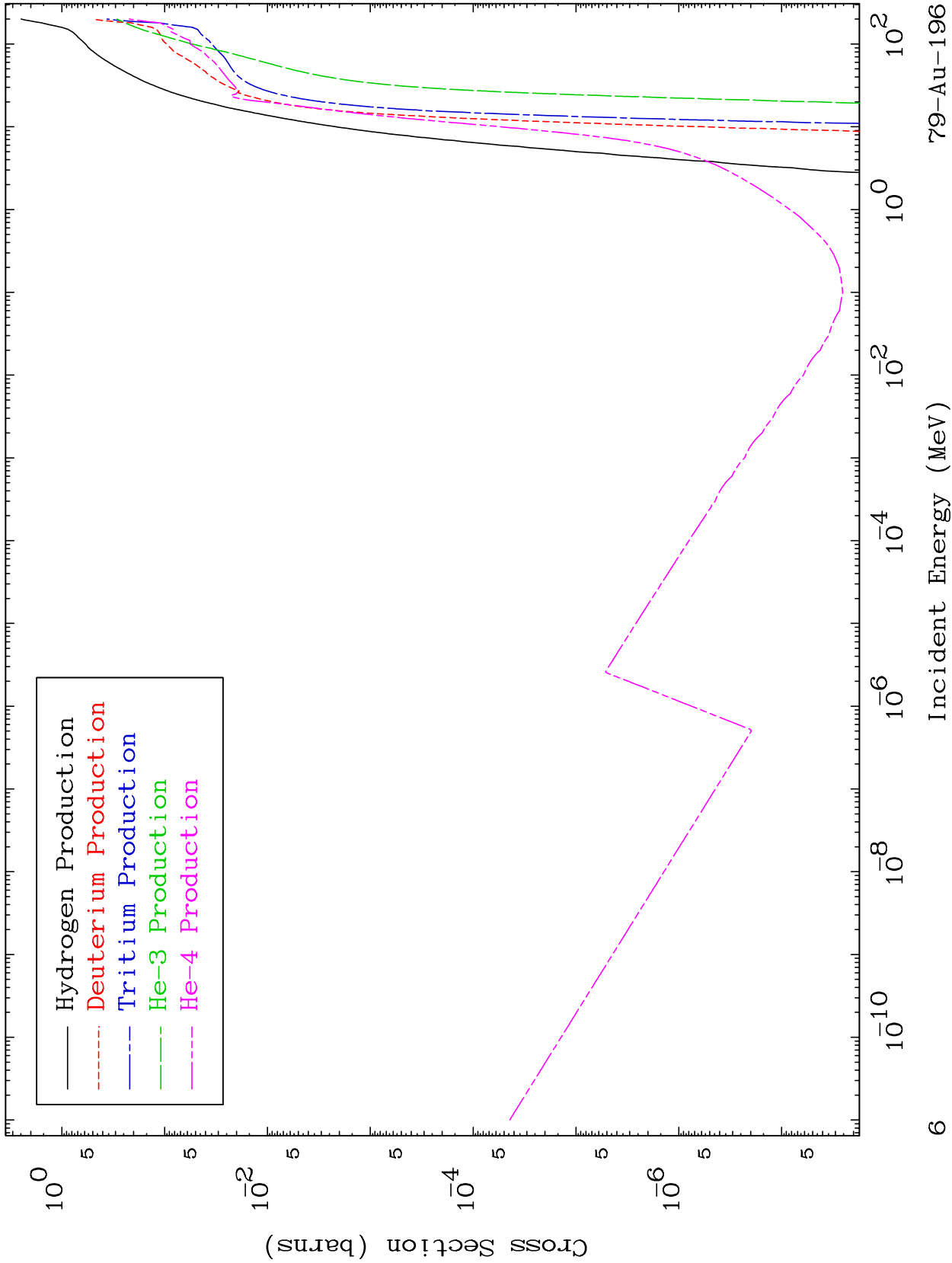
MAT 7924

Charged Particle
293 Kelvin Cross Sections

79-Au-196



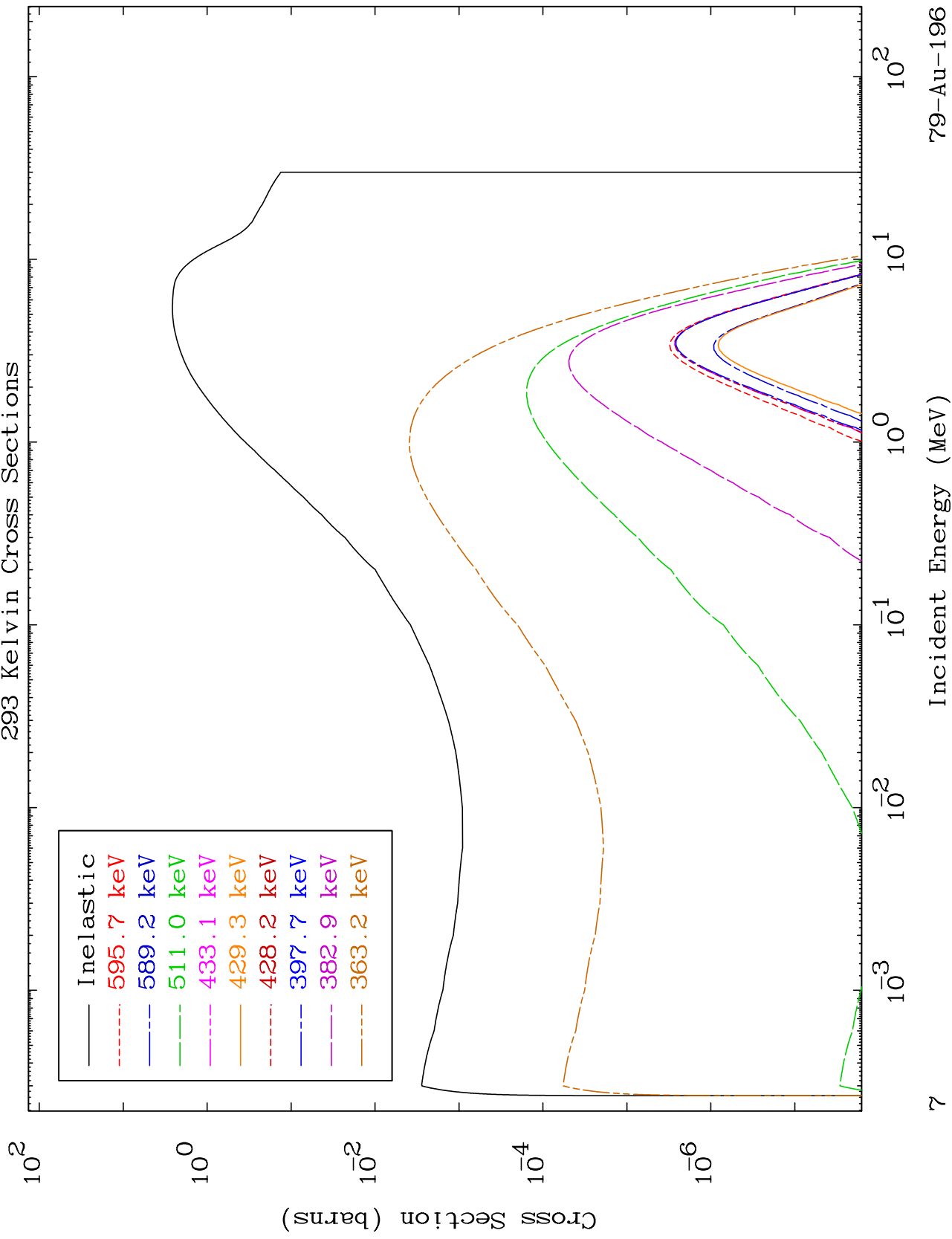




MAT 7924

79-Au-196

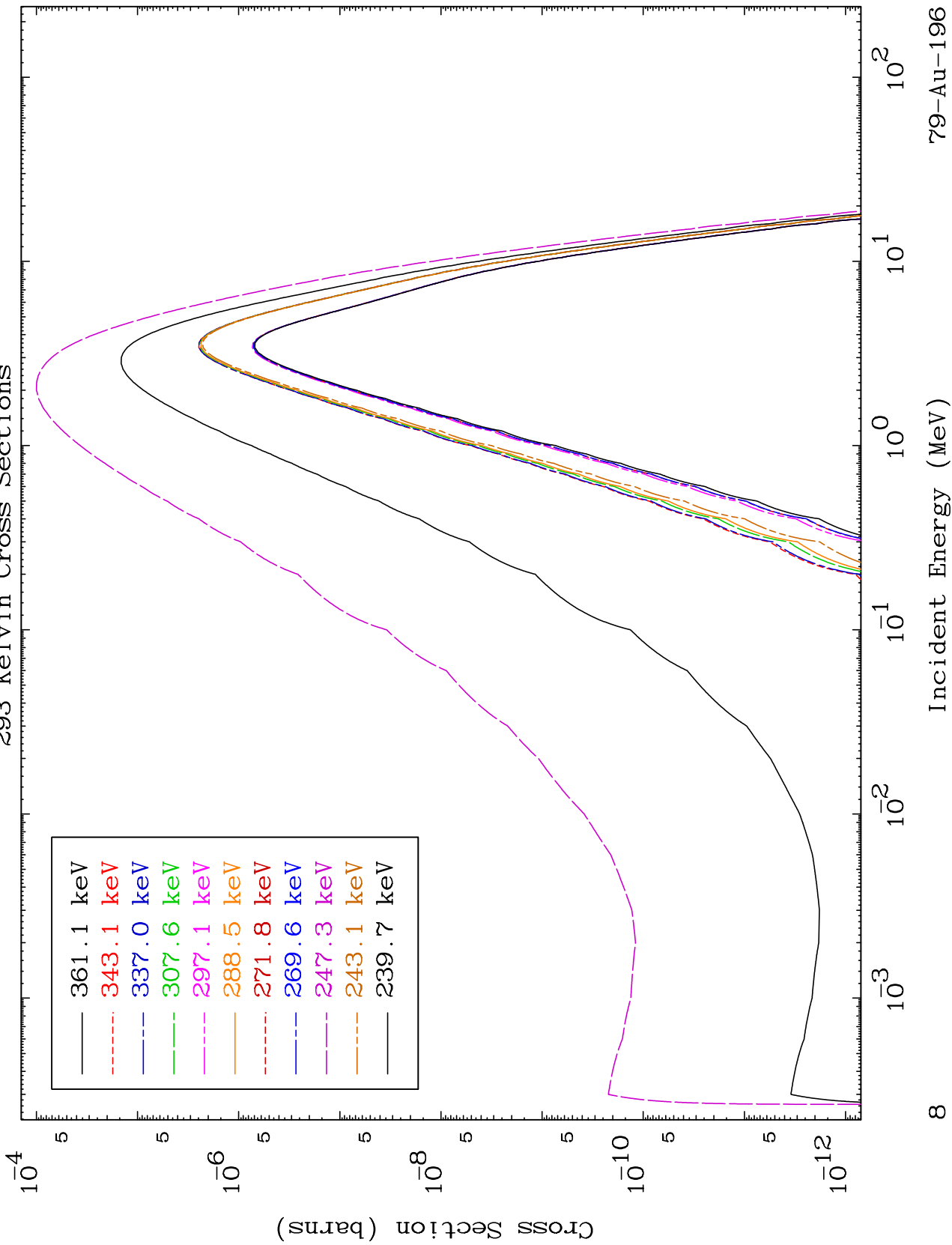
(n,n') Level
293 Kelvin Cross Sections



MAT 7924

79-Au-196

(n,n') Level
293 Kelvin Cross Sections



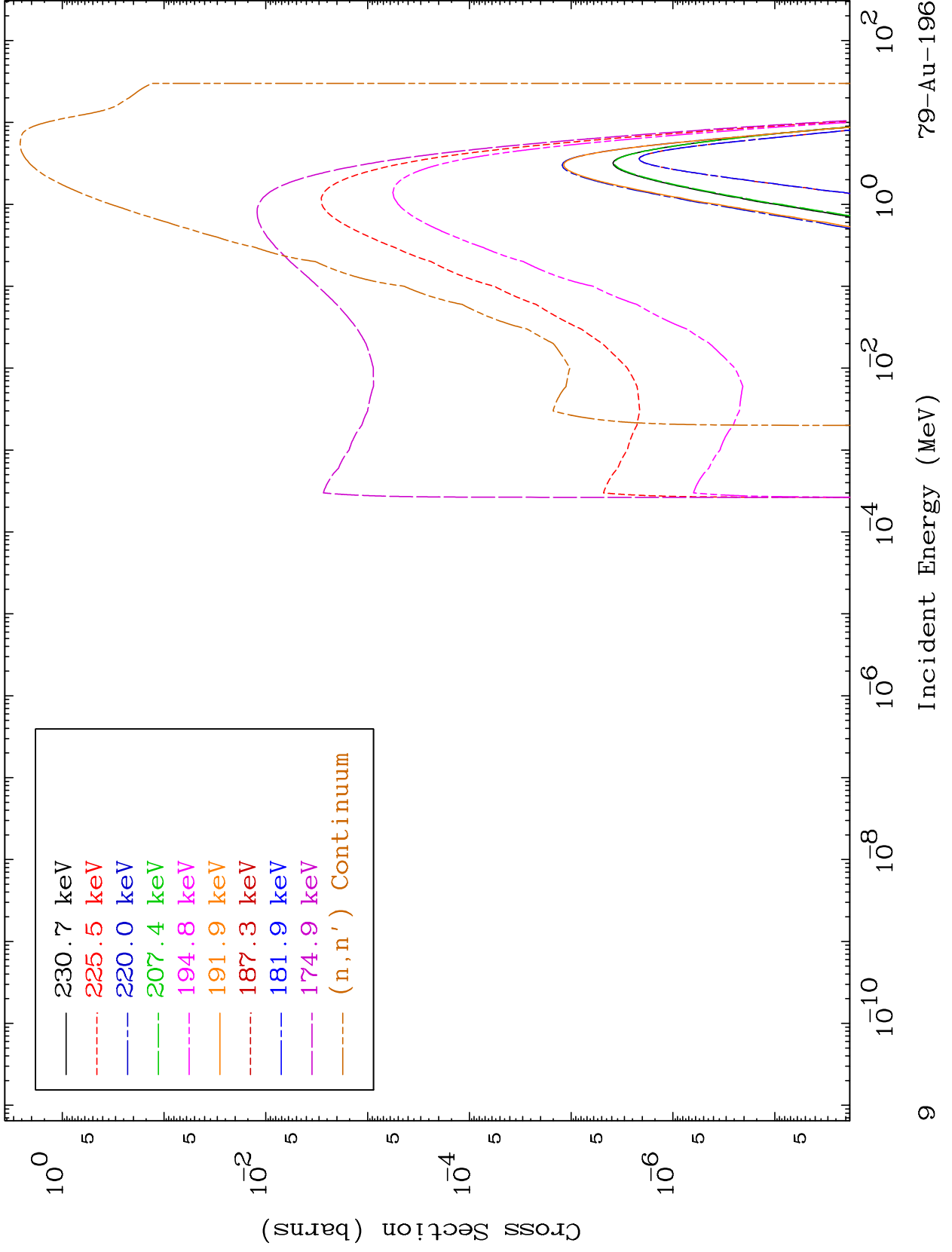
79-Au-196

Incident Energy (MeV)

MAT 7924

(n,n') Level
293 Kelvin Cross Sections

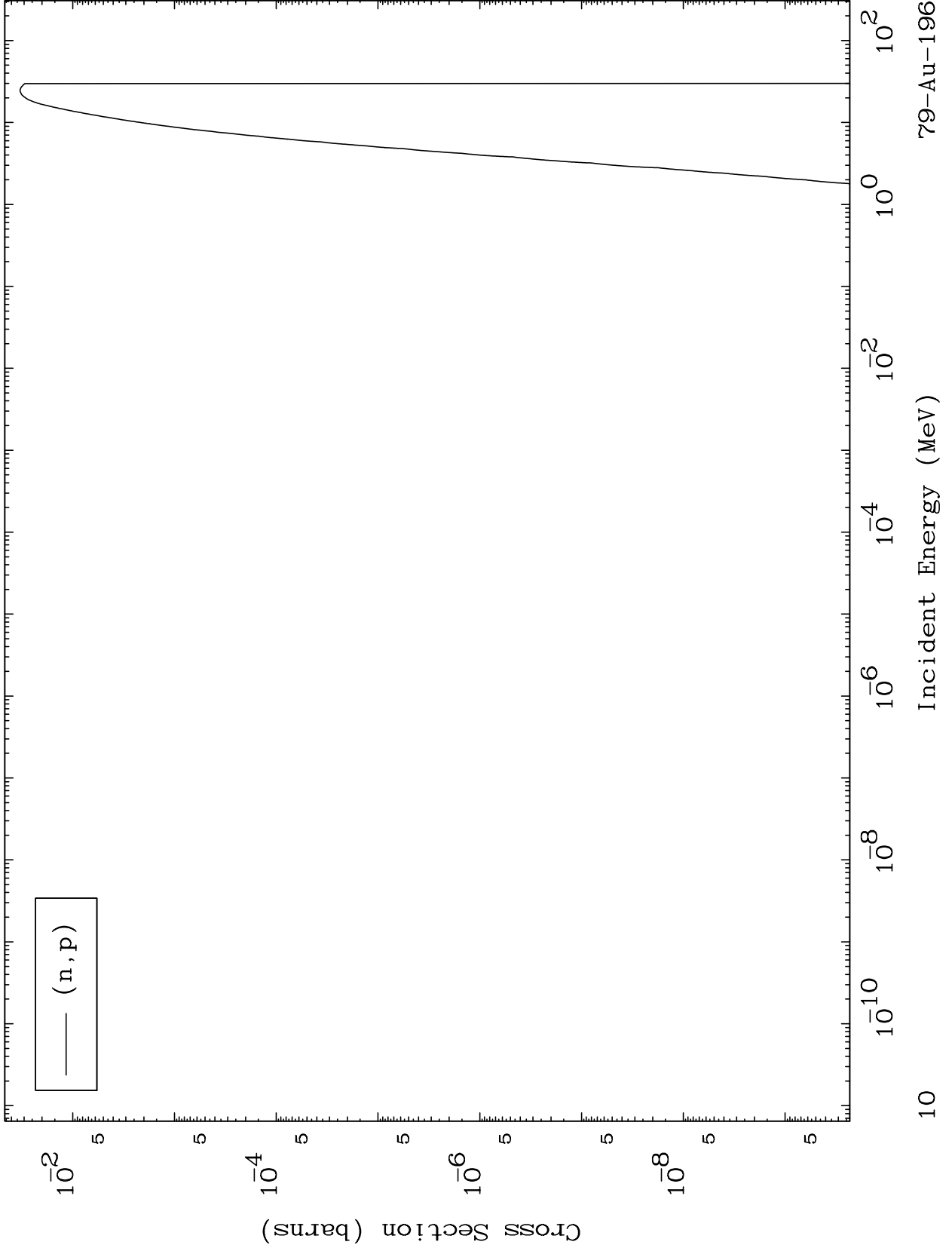
79-Au-196



MAT 7924

(n,p) Levels
293 Kelvin Cross Sections

79-Au-196



10

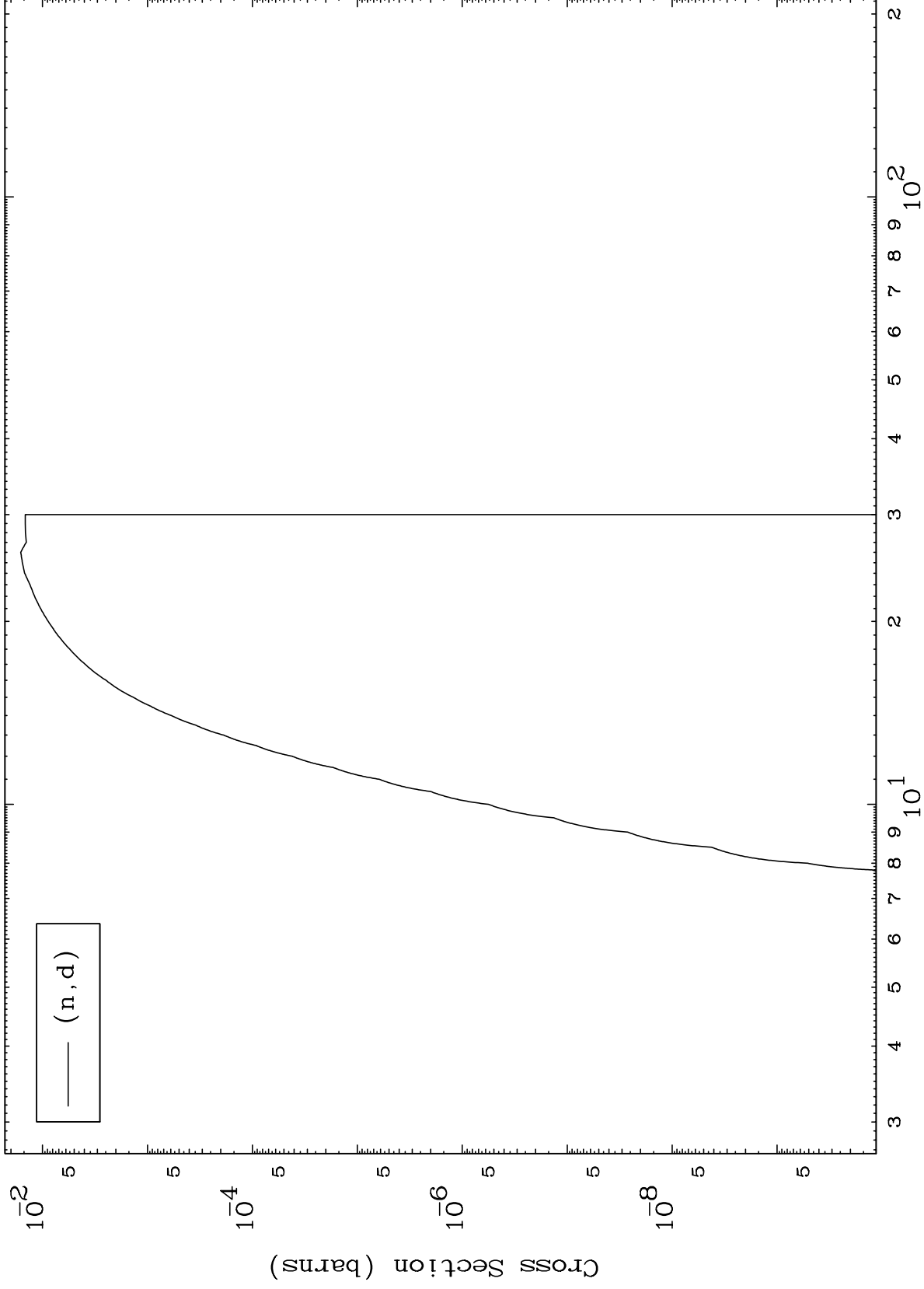
Incident Energy (MeV)

79-Au-196

MAT 7924

(n,d) Levels
293 Kelvin Cross Sections

79-Au-196



11

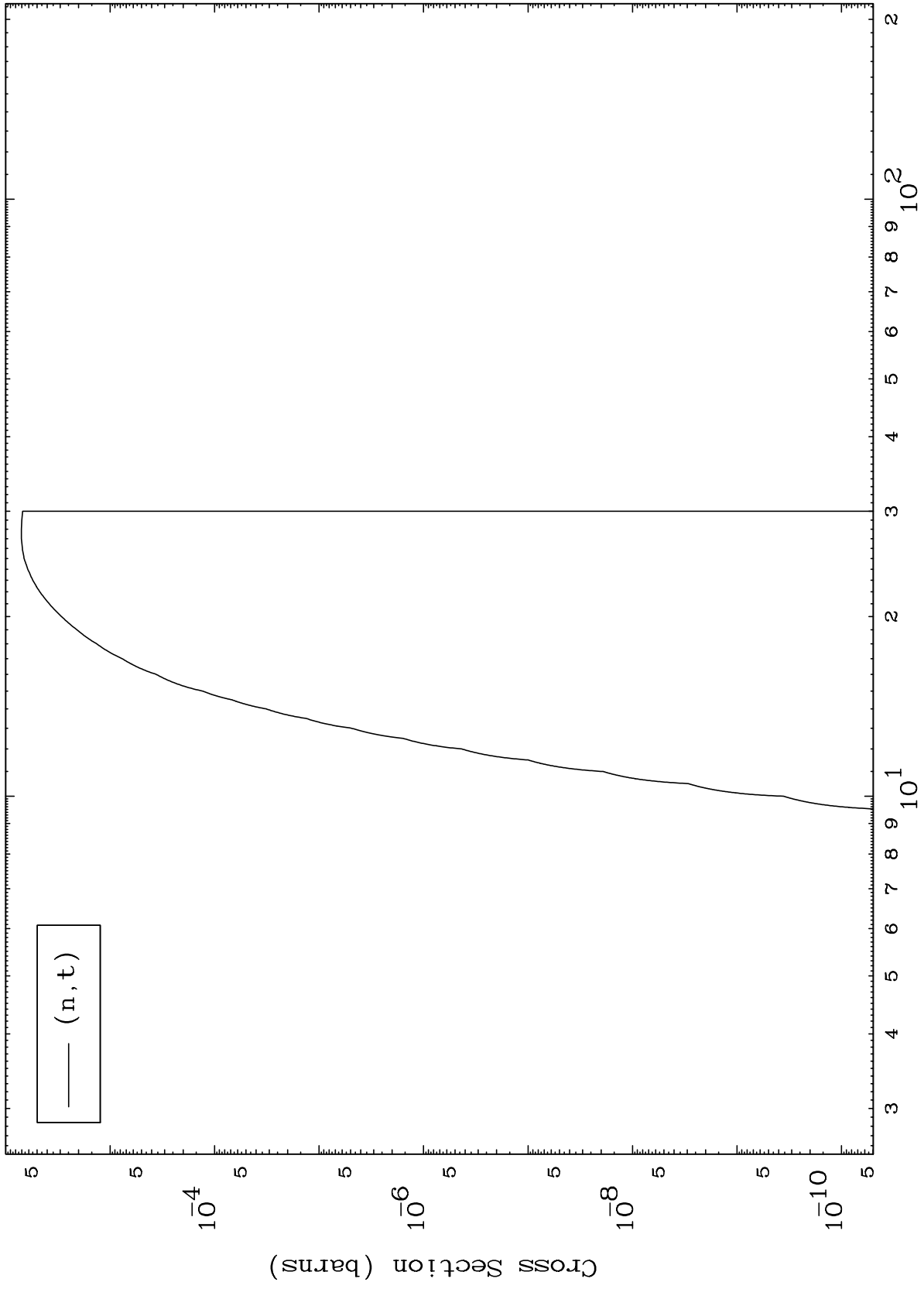
Incident Energy (MeV)

79-Au-196

MAT 7924

(n,t) Levels
293 Kelvin Cross Sections

79-Au-196



12

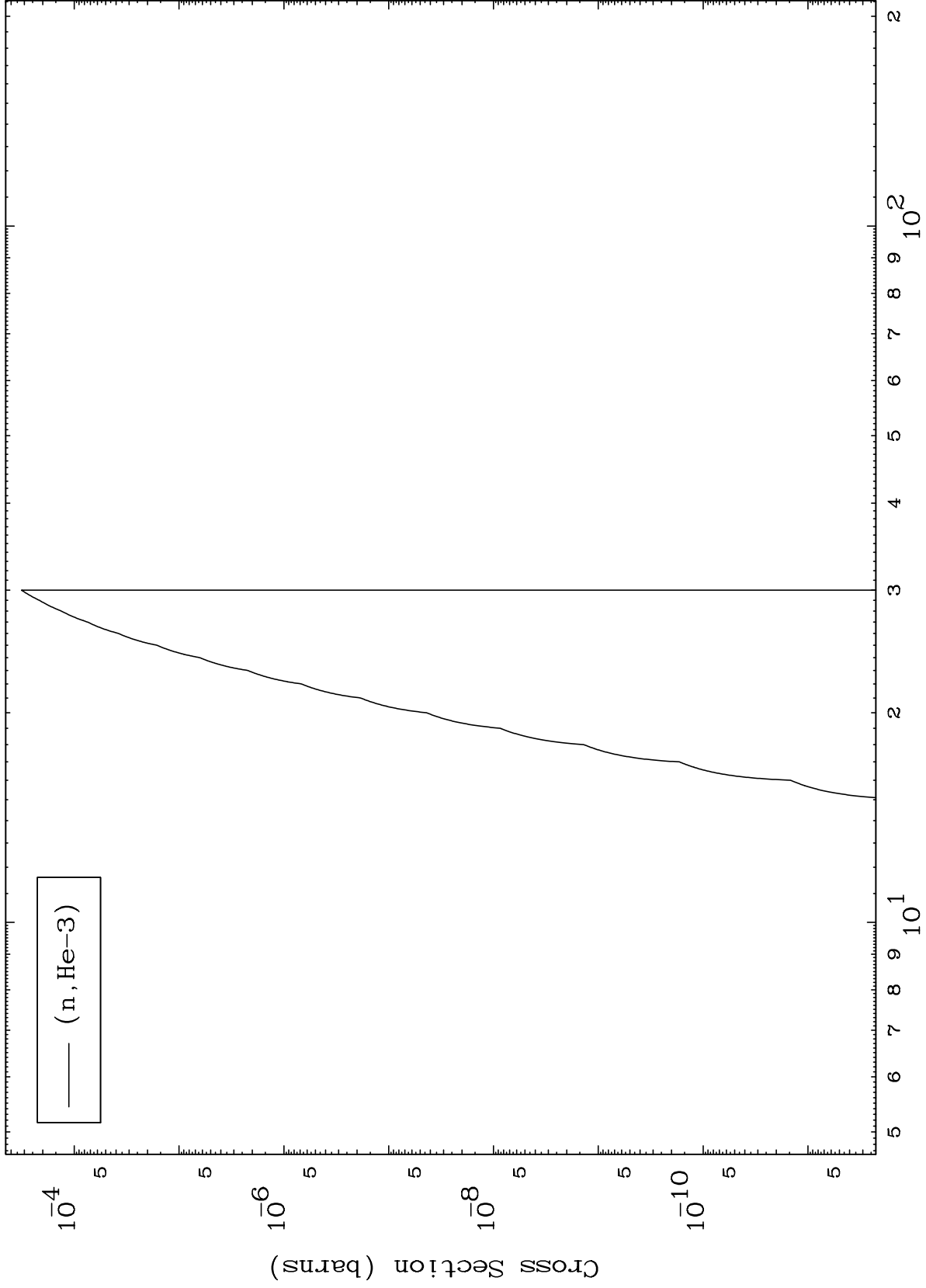
Incident Energy (MeV)

79-Au-196

MAT 7924

(n,He3) Levels
293 Kelvin Cross Sections

79-Au-196



13

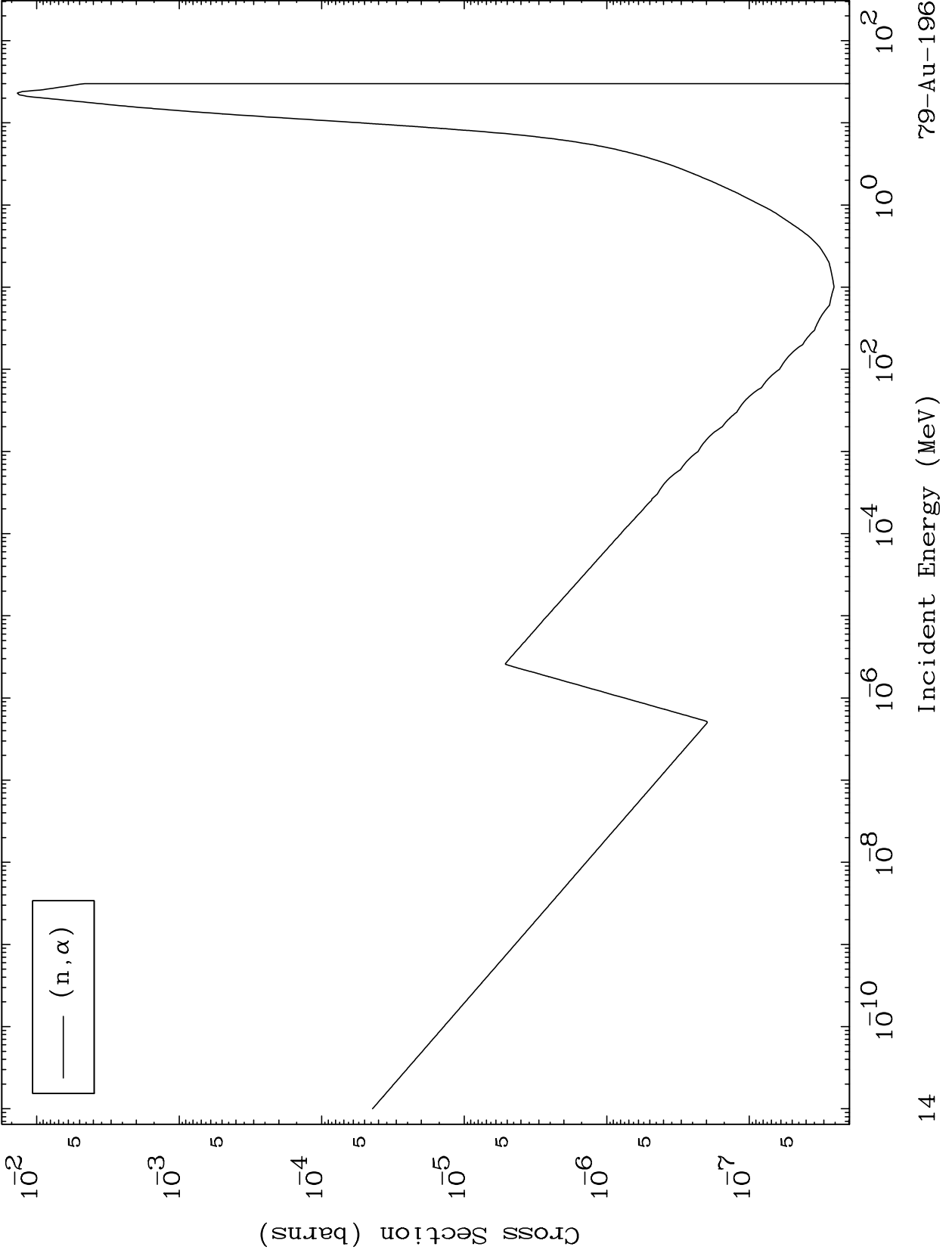
Incident Energy (MeV)

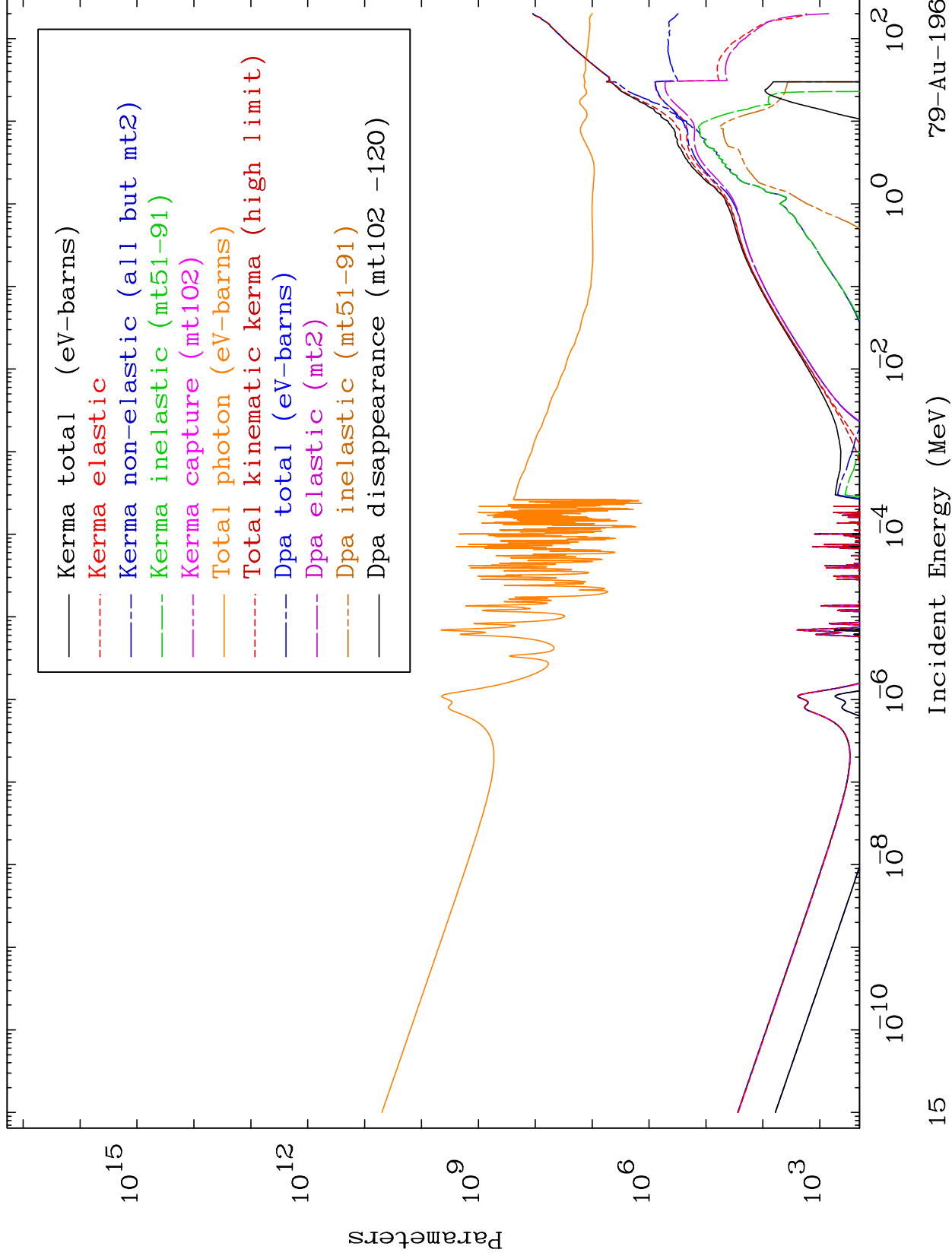
79-Au-196

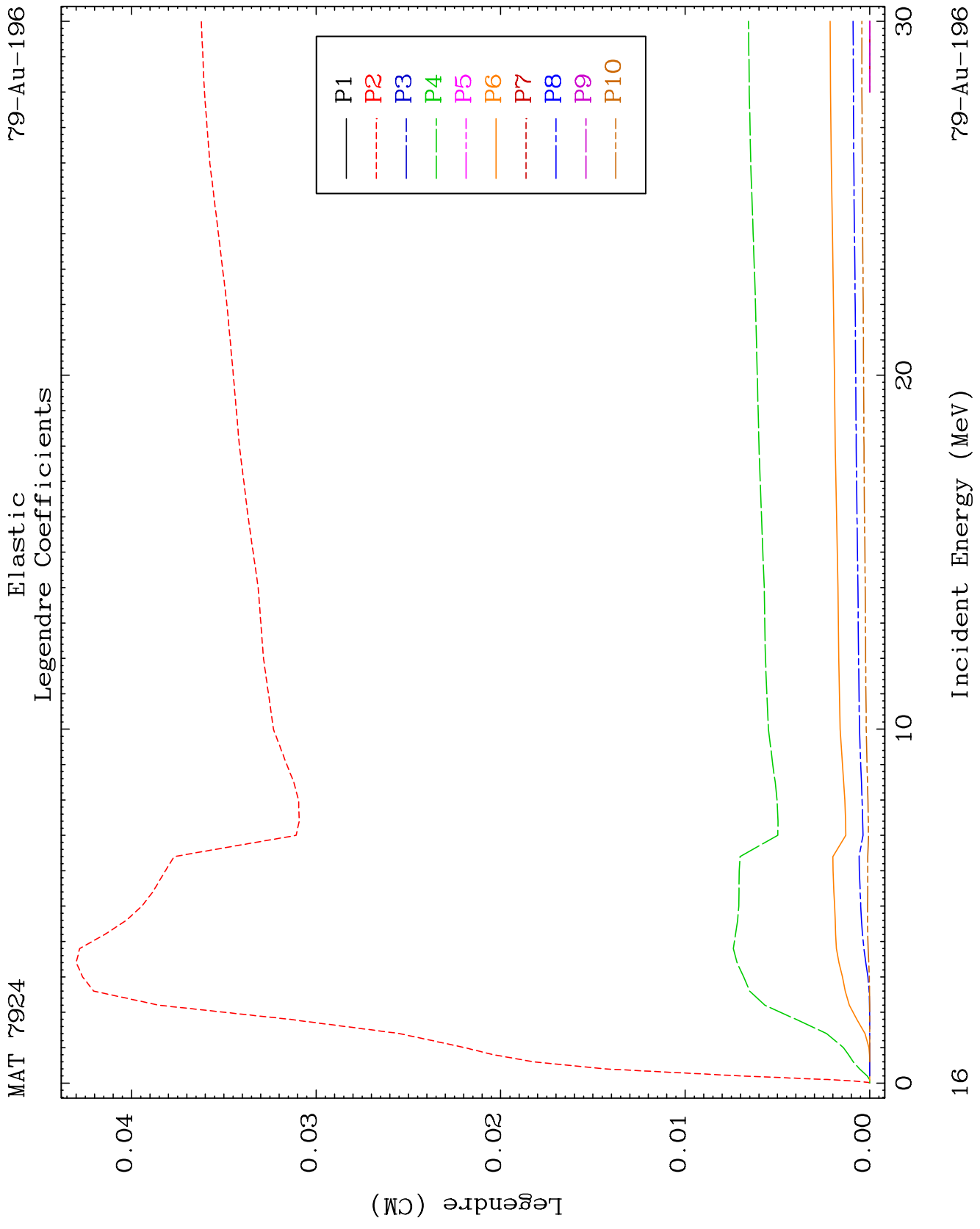
MAT 7924

(n, α) Levels
293 Kelvin Cross Sections

79-Au-196



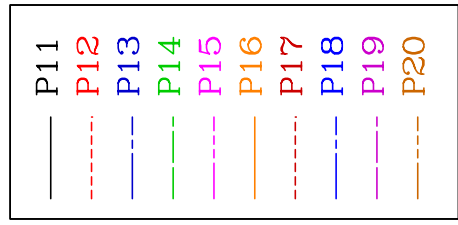




MAT 7924

Elastic Legendre Coefficients

79-Au-196



$\times 10^{-4}$
2.0
1.5
1.0
0.5
0.0

Legendre (CM)

5

10

15

20

25

30

17

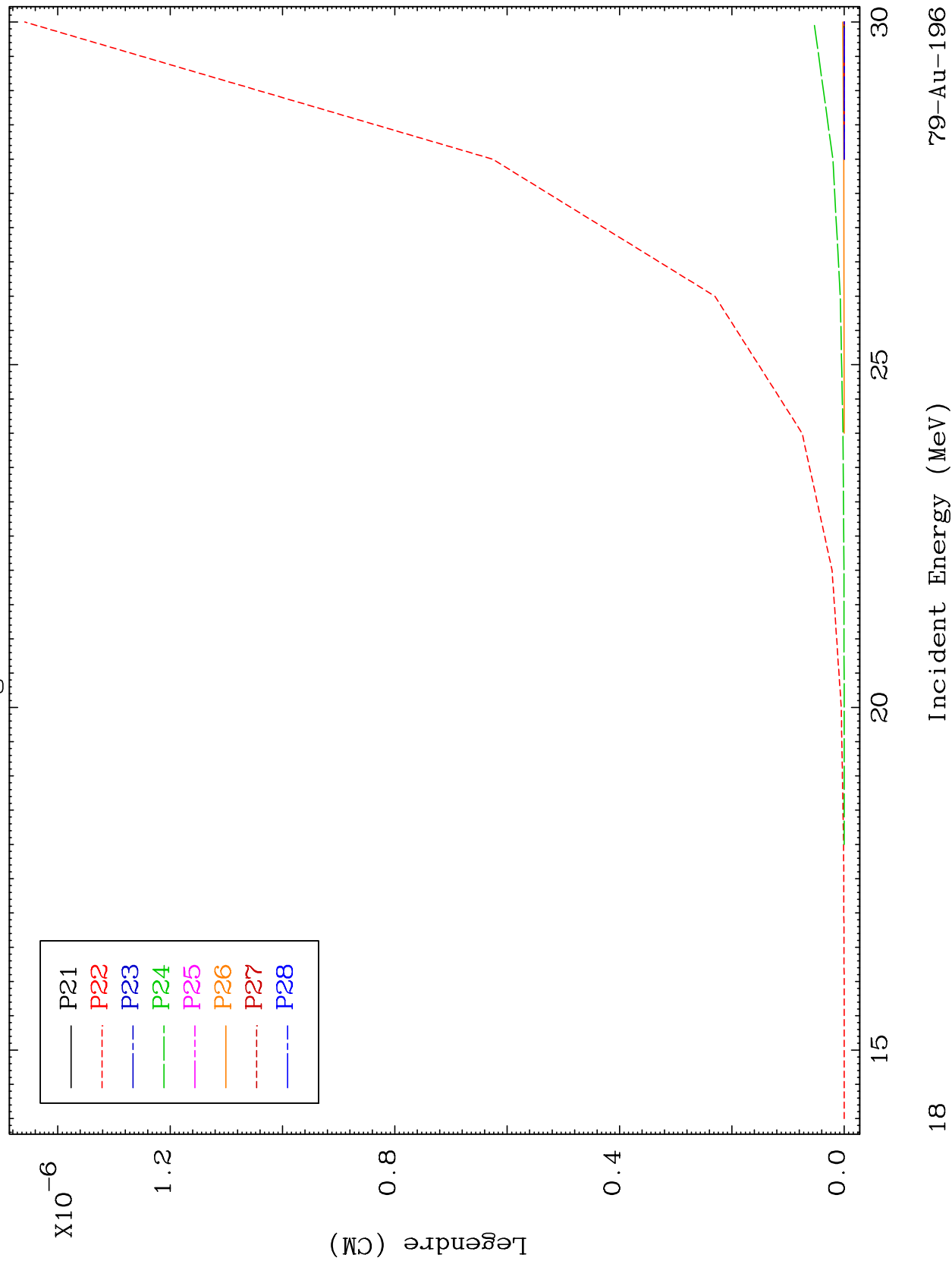
Incident Energy (MeV)

79-Au-196

MAT 7924

Elastic Legendre Coefficients

79-Au-196



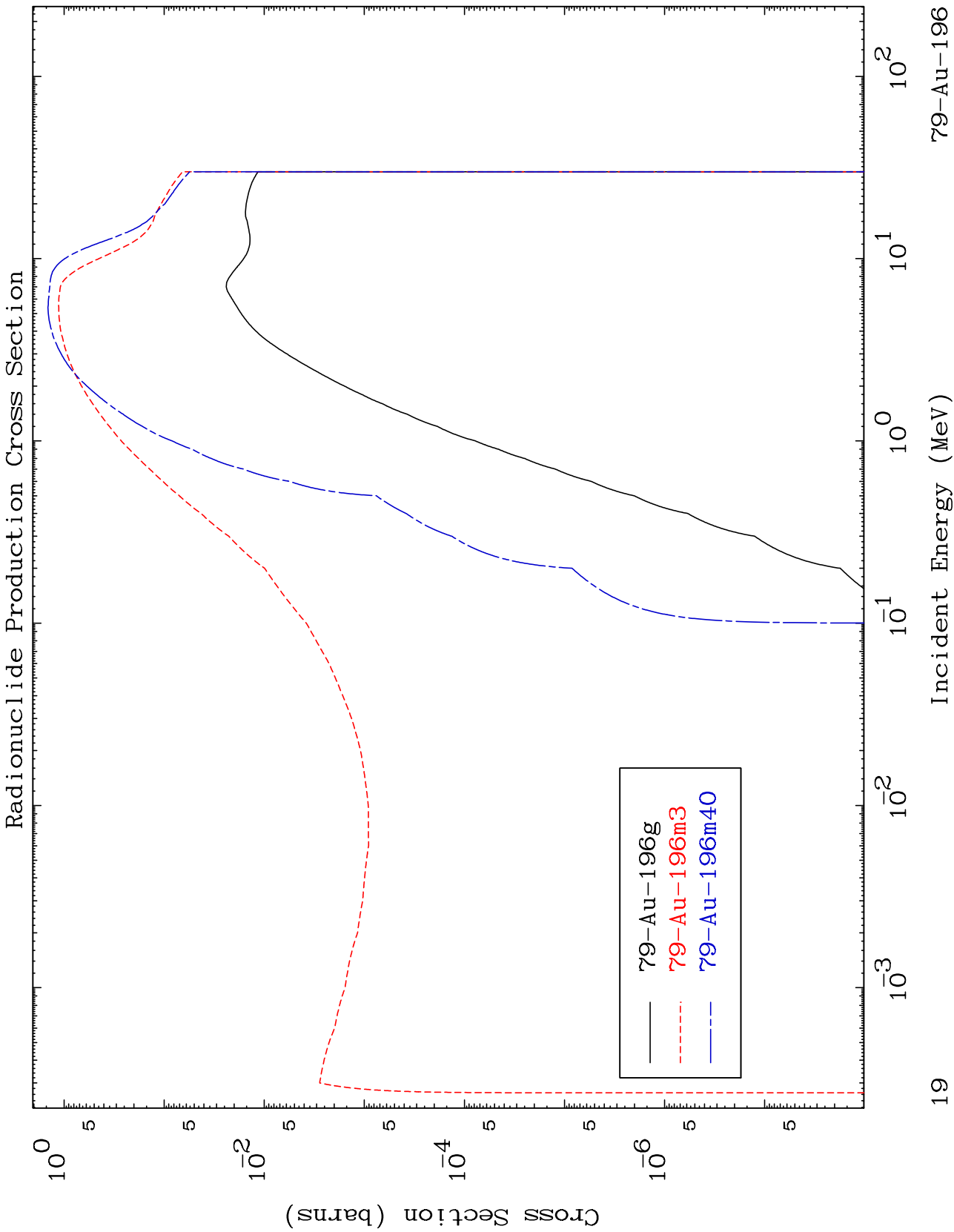
18

79-Au-196

MAT 7924

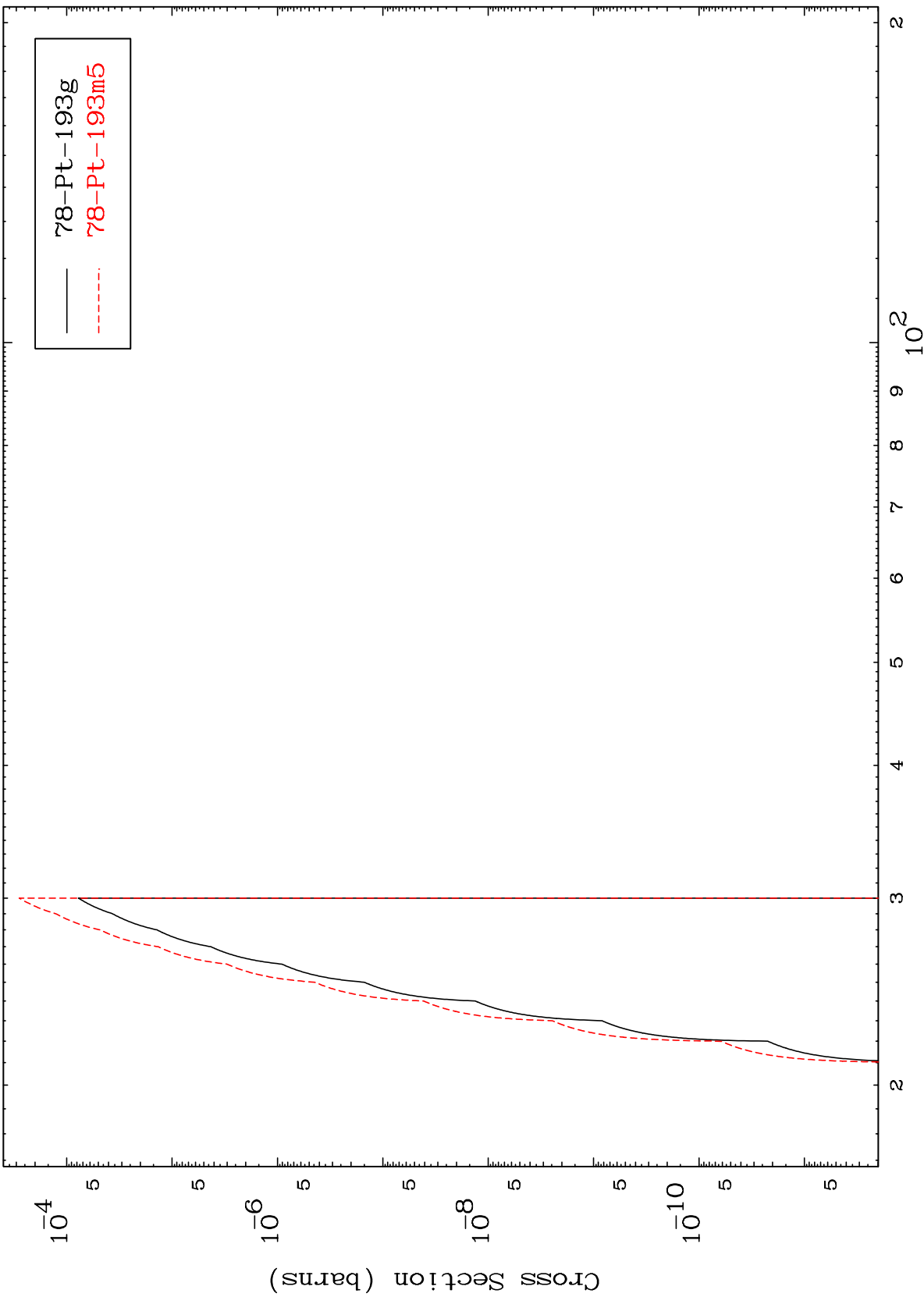
79-Au-196

Inelastic
Radionuclide Production Cross Section



19

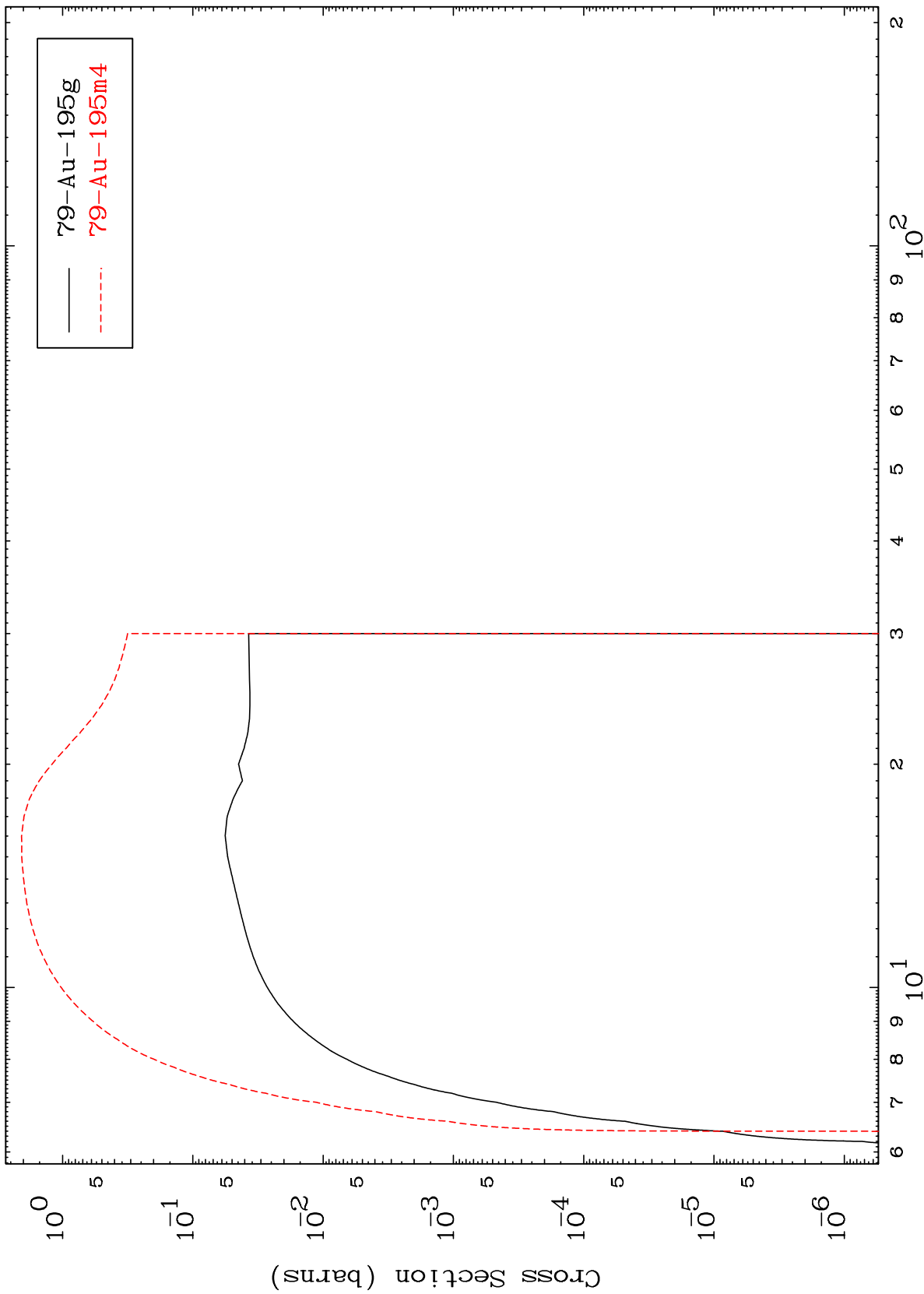
Radionuclide Production Cross Section

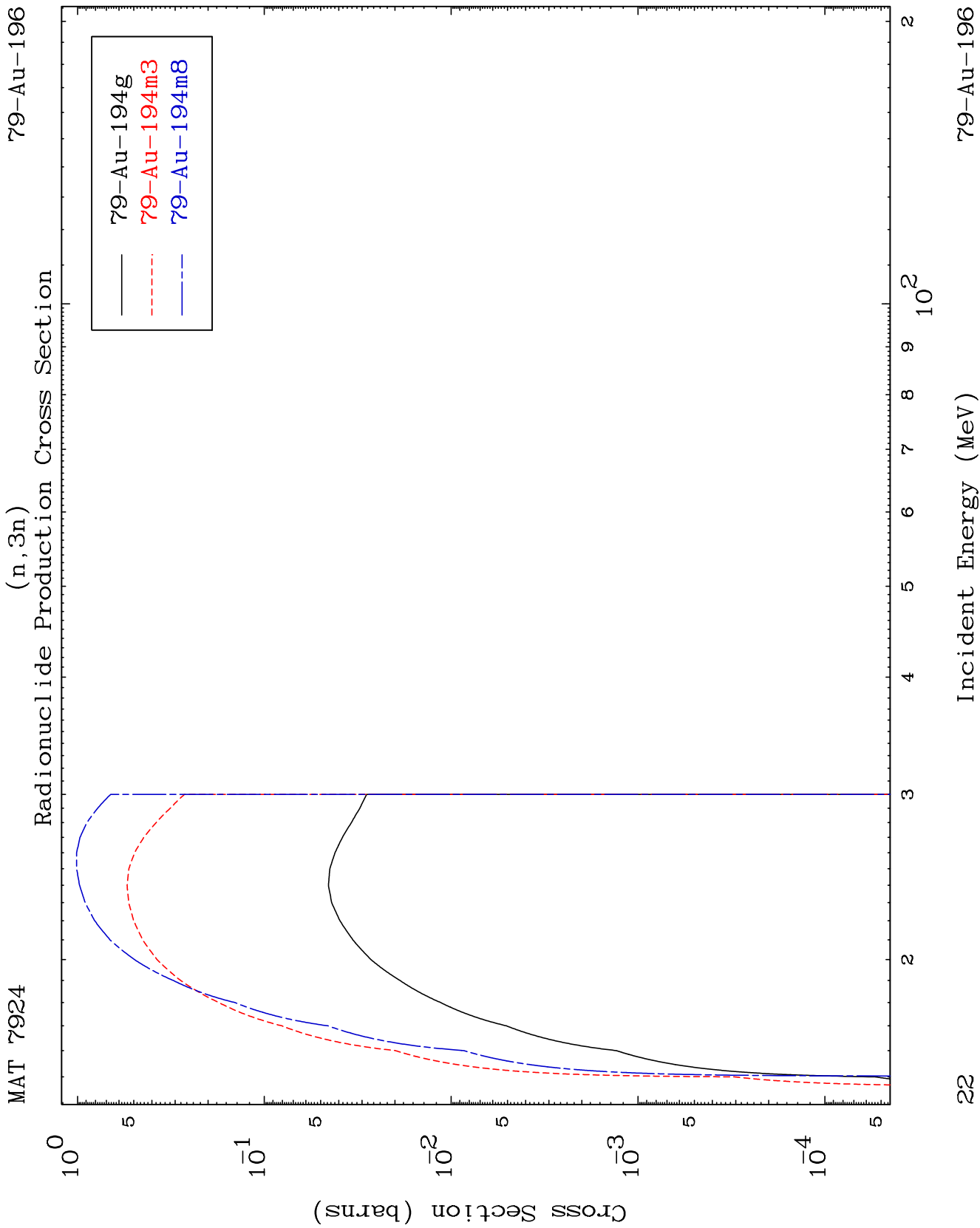


MAT 7924

79-Au-196

(n,2n)
Radionuclide Production Cross Section



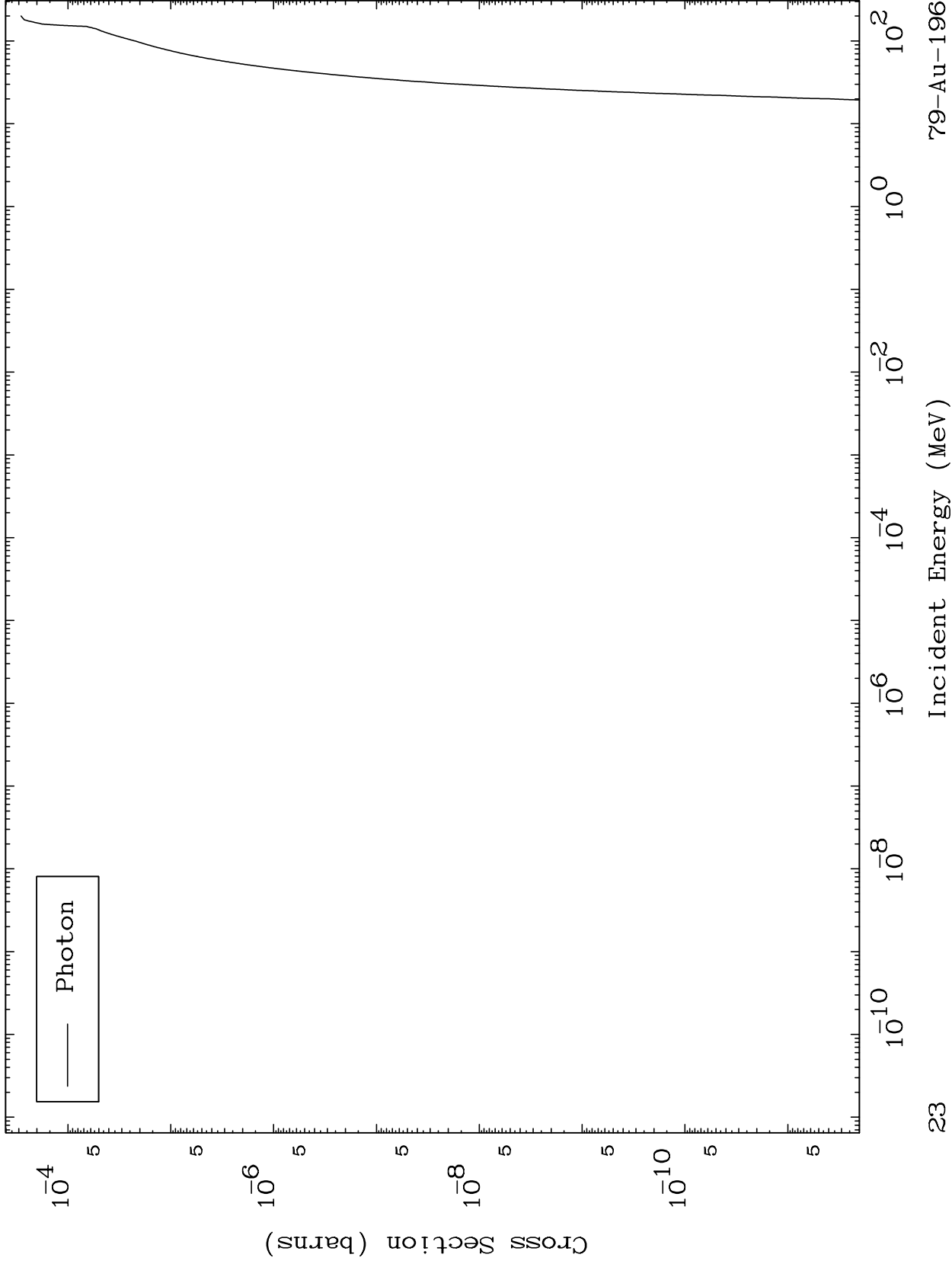


MAT 7924

Fission

79-Au-196

Radionuclide Production Cross Section

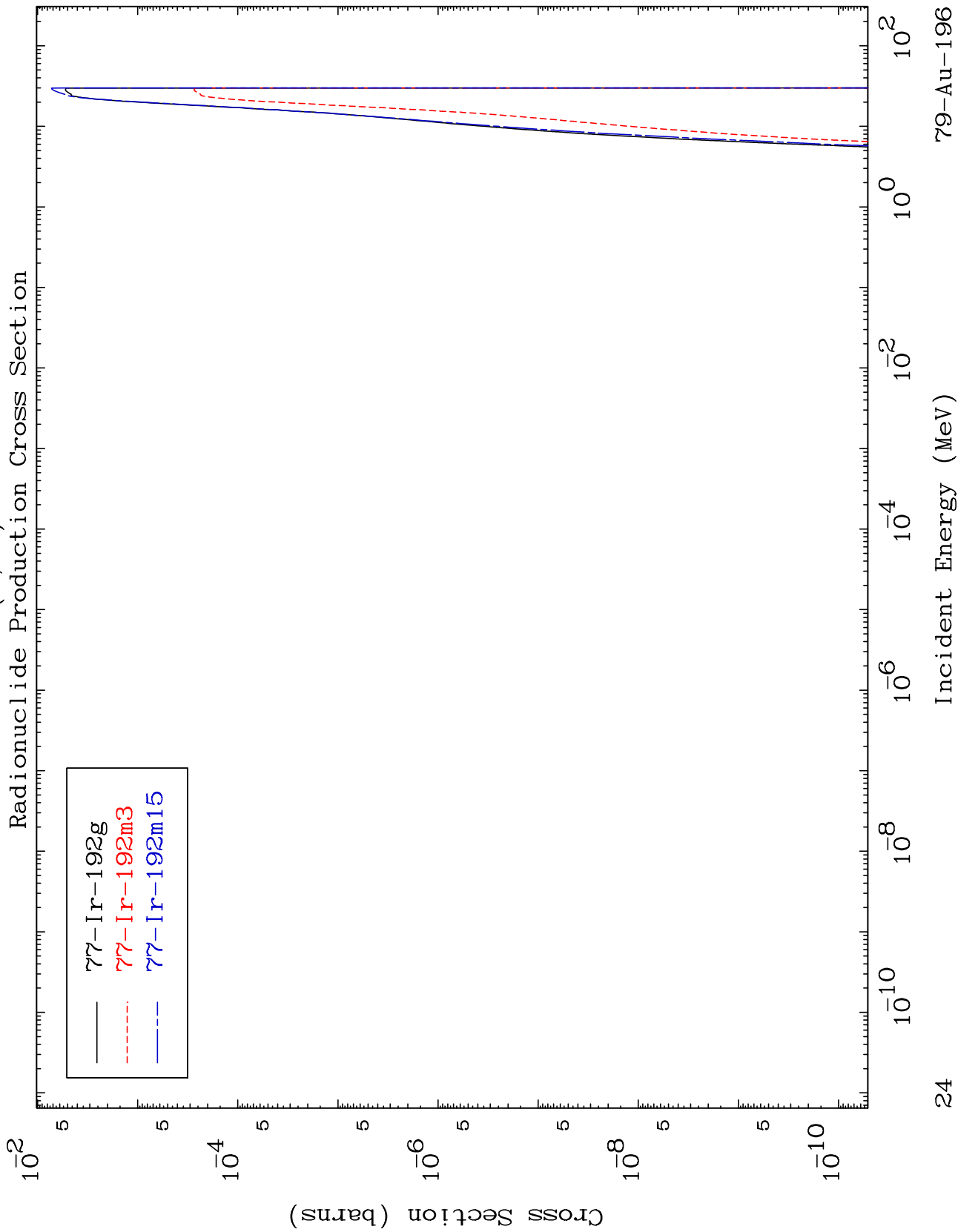


MAT 7924

$(n, n') \alpha$

79-Au-196

Radionuclide Production Cross Section

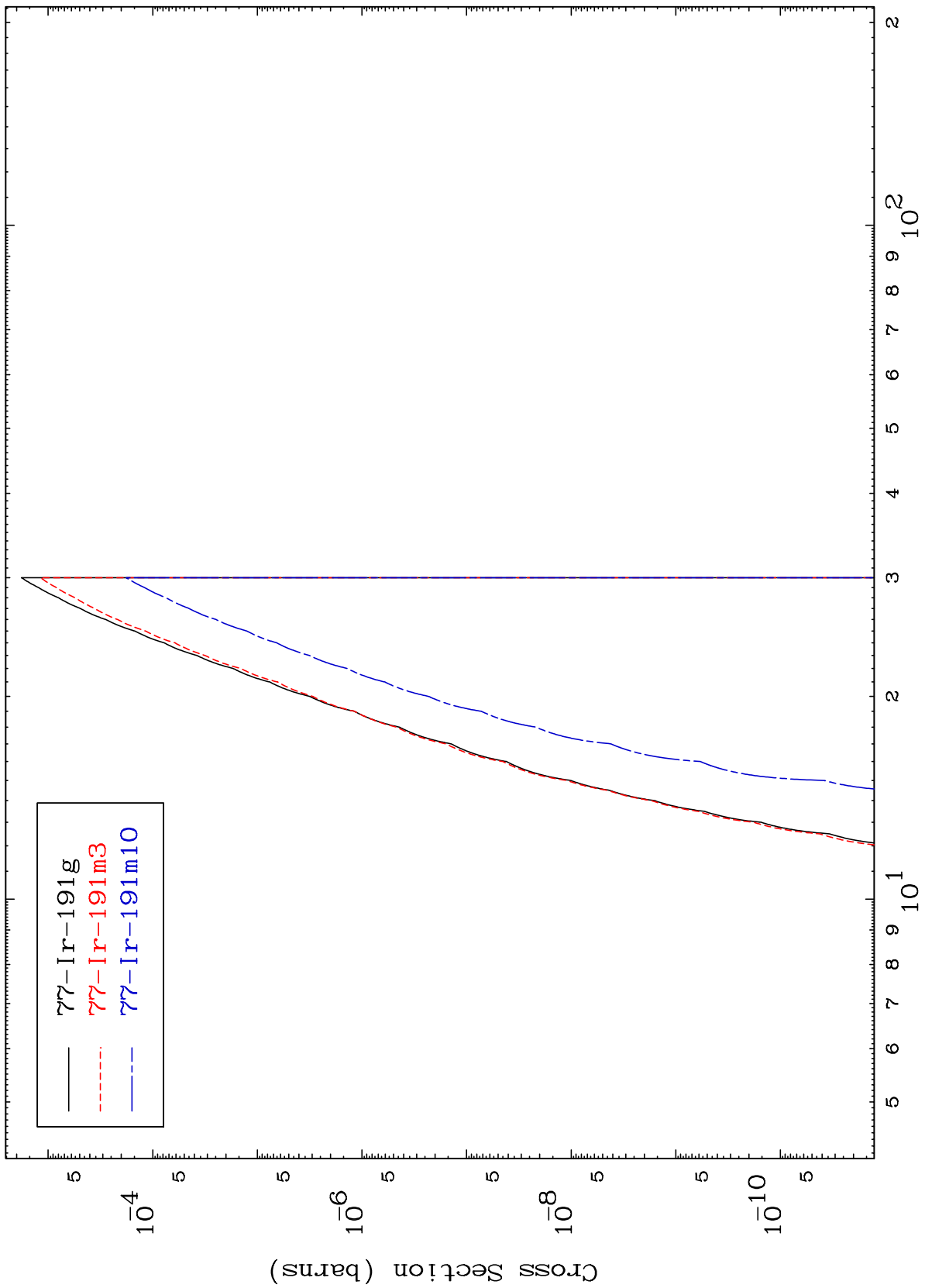


MAT 7924

$(n,2n) \alpha$

79-Au-196

Radionuclide Production Cross Section

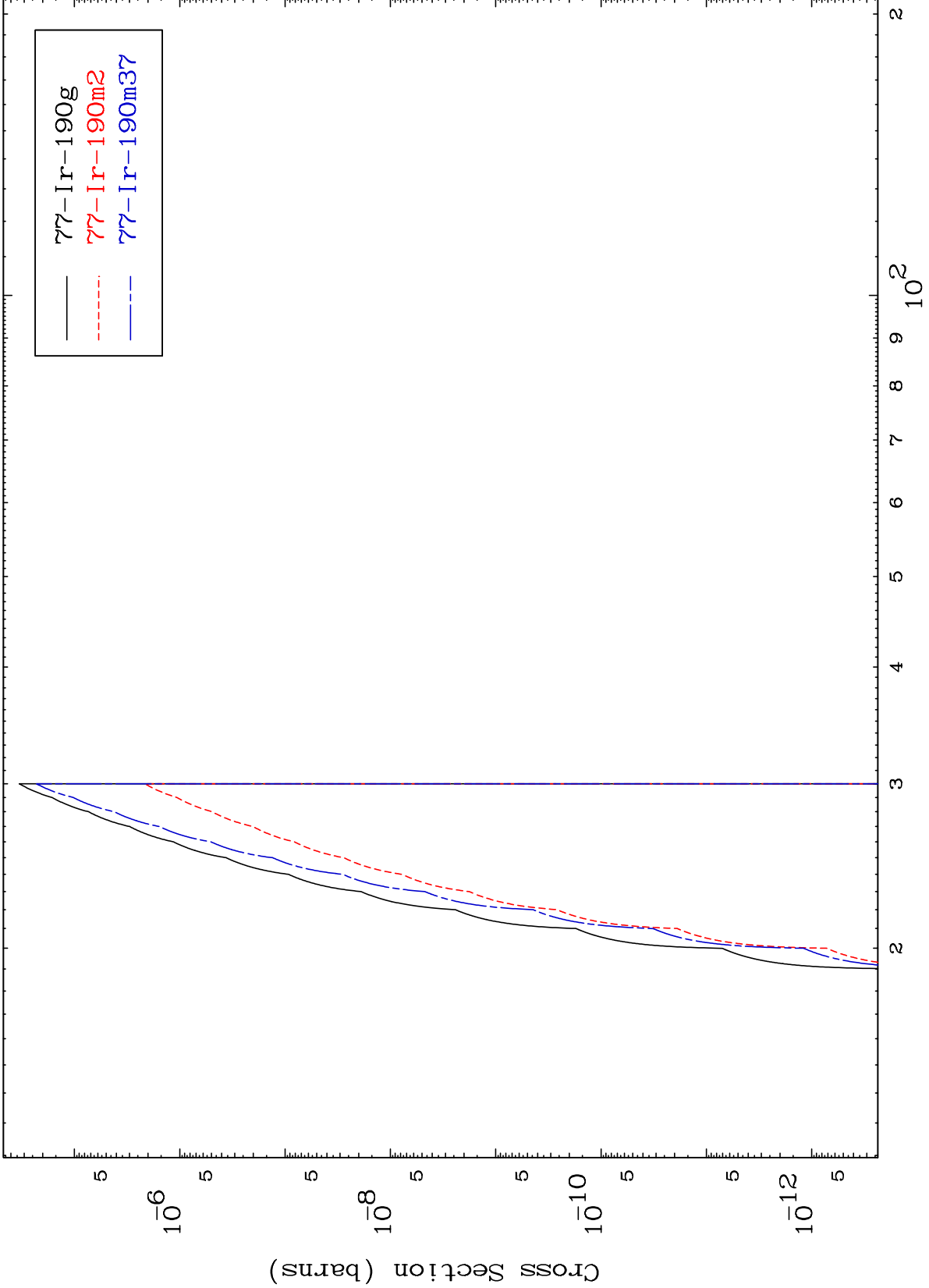


25

Incident Energy (MeV)

79-Au-196

Radionuclide Production Cross Section

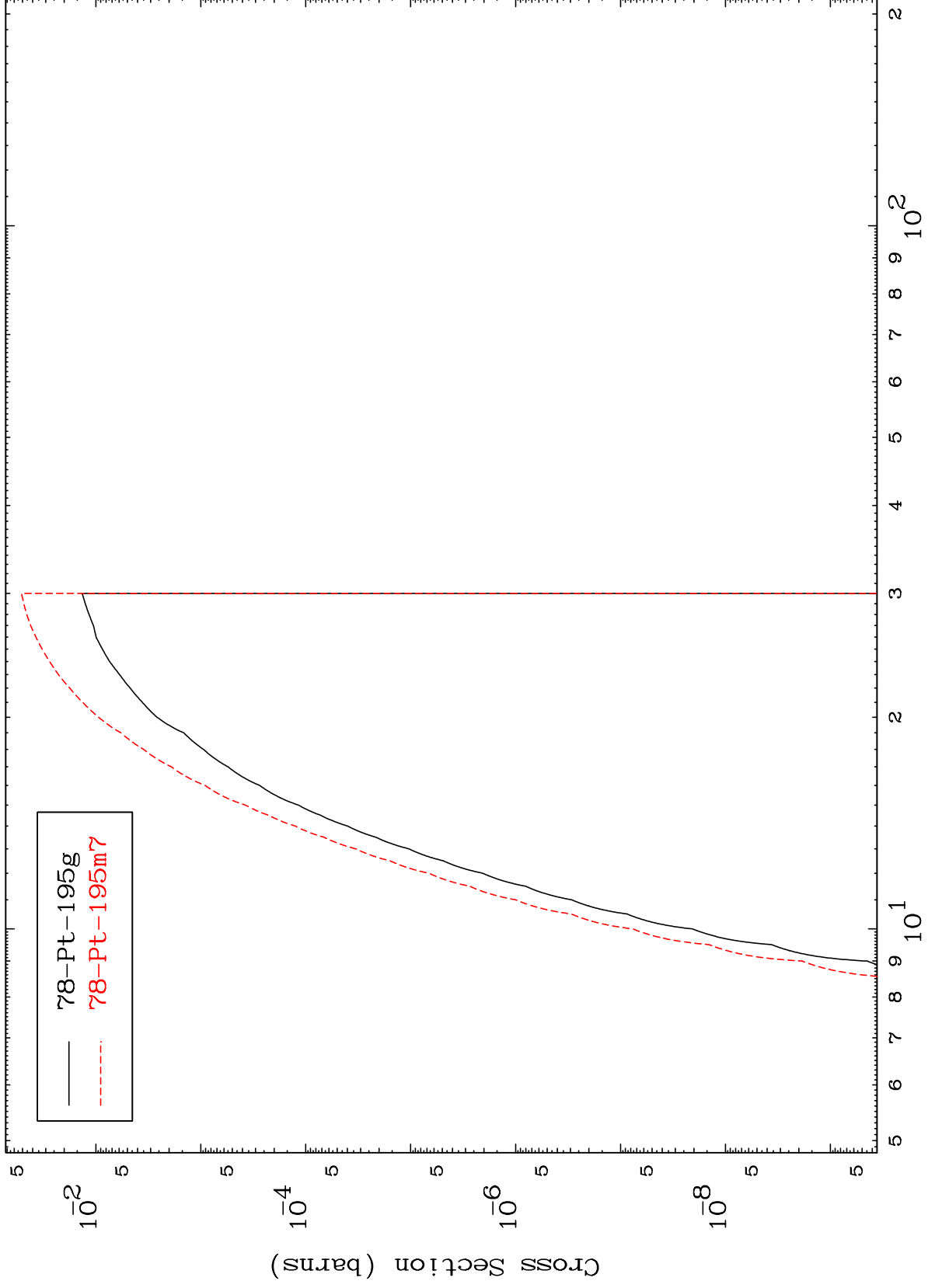


MAT 7924

(n, n') p

79-Au-196

Radionuclide Production Cross Section



27

Incident Energy (MeV)

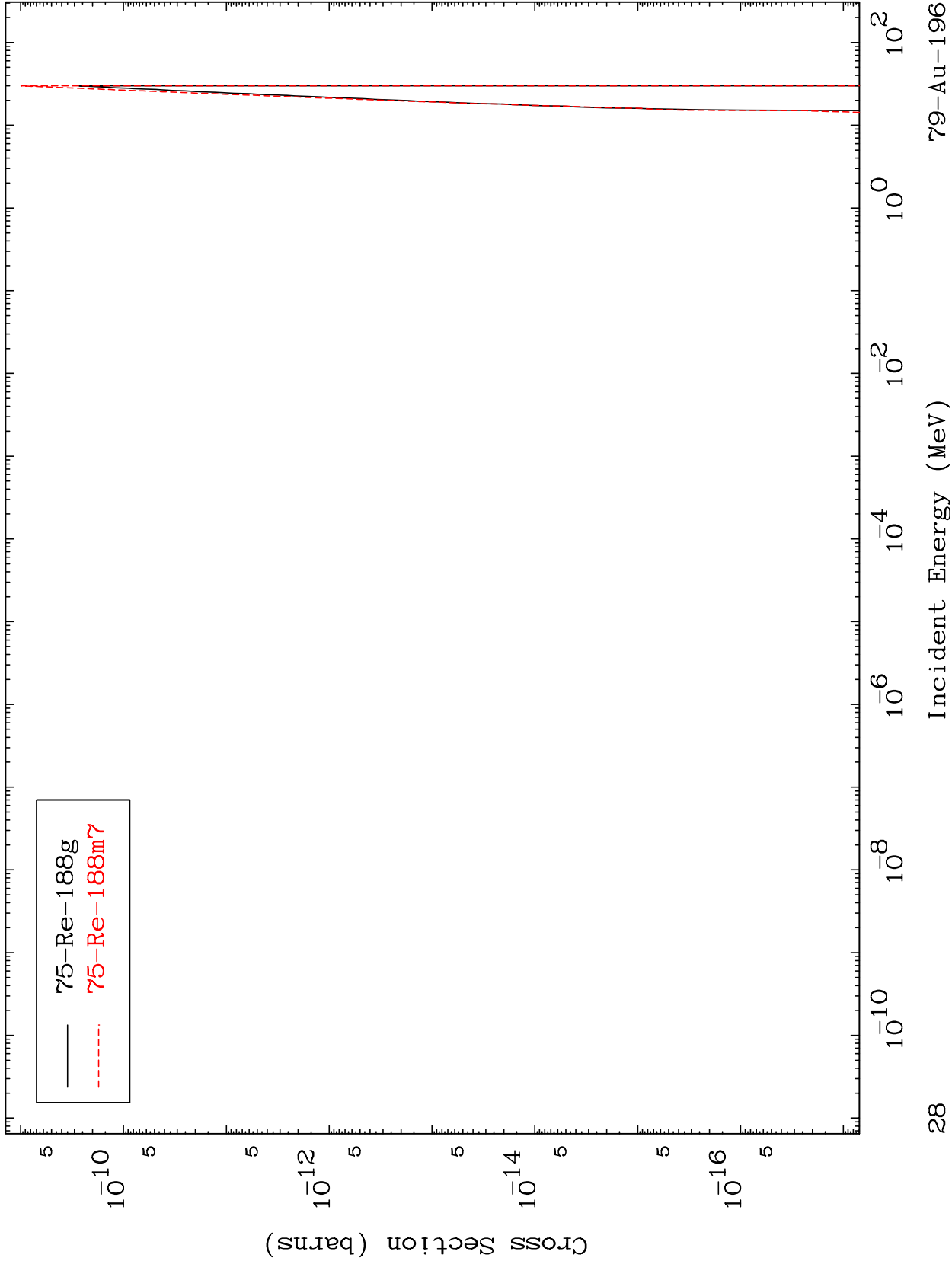
79-Au-196

MAT 7924

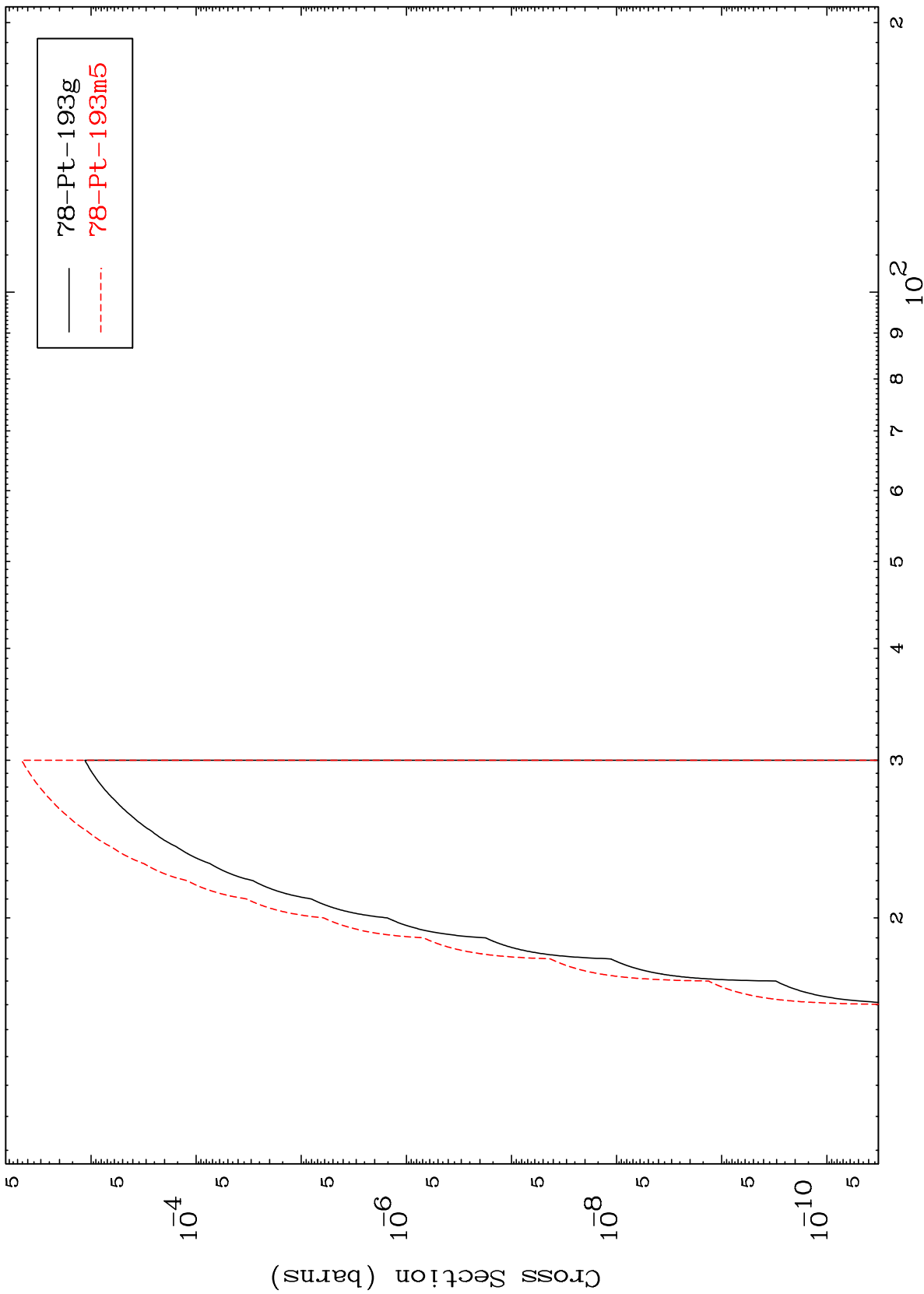
(n,n') 2α

79-Au-196

Radionuclide Production Cross Section



Radionuclide Production Cross Section

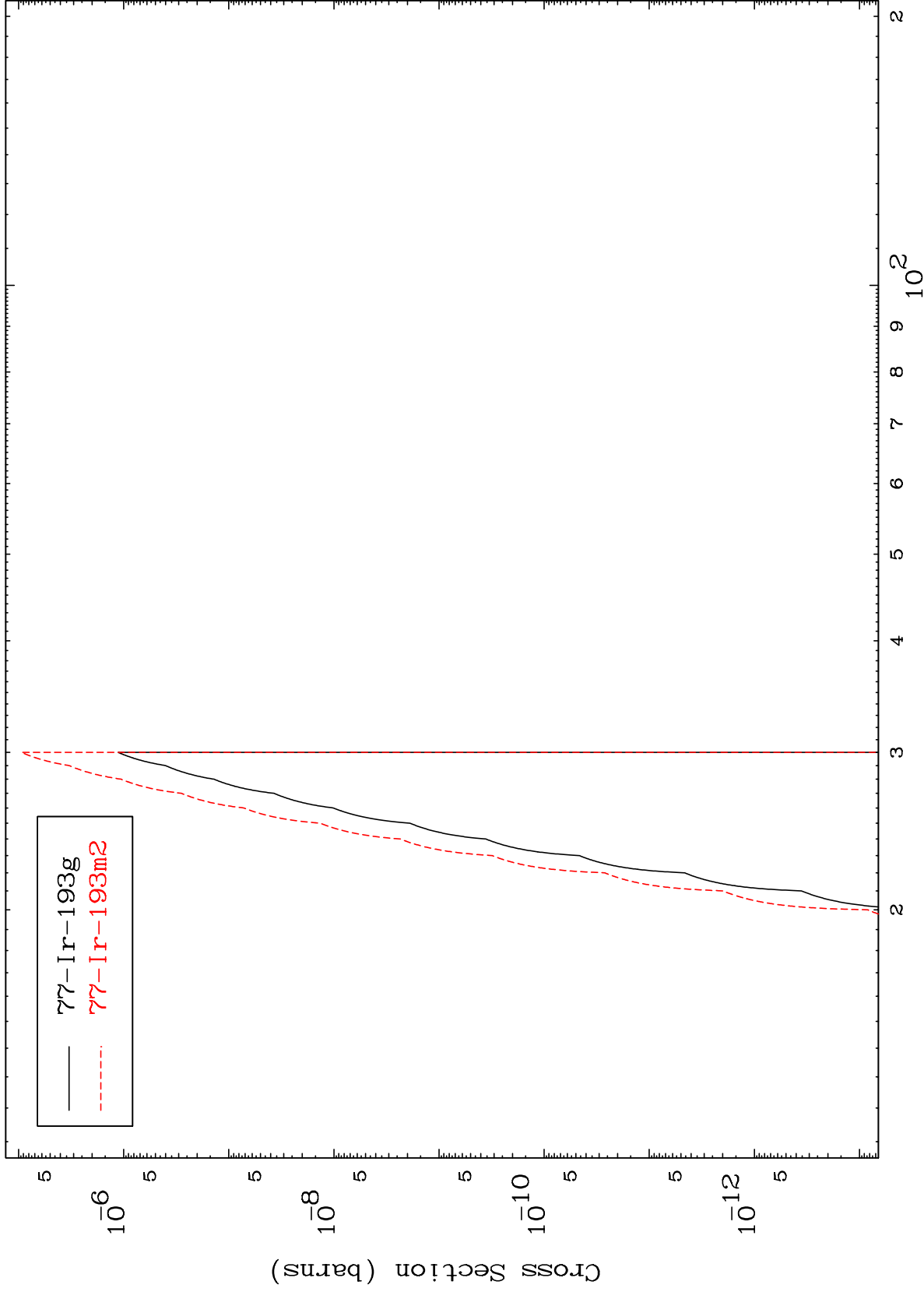


MAT 7924

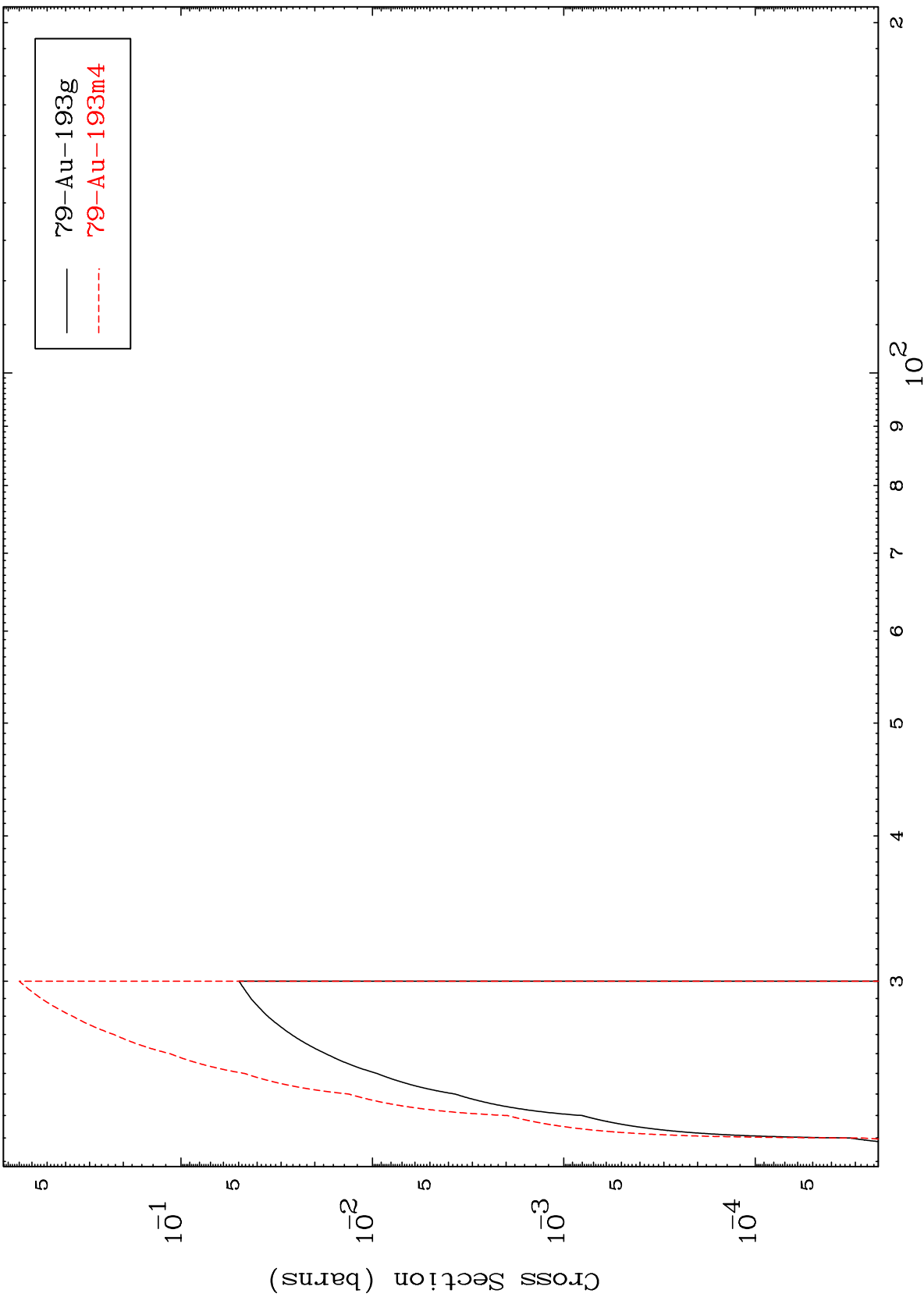
(n,n') He-3

79-Au-196

Radionuclide Production Cross Section

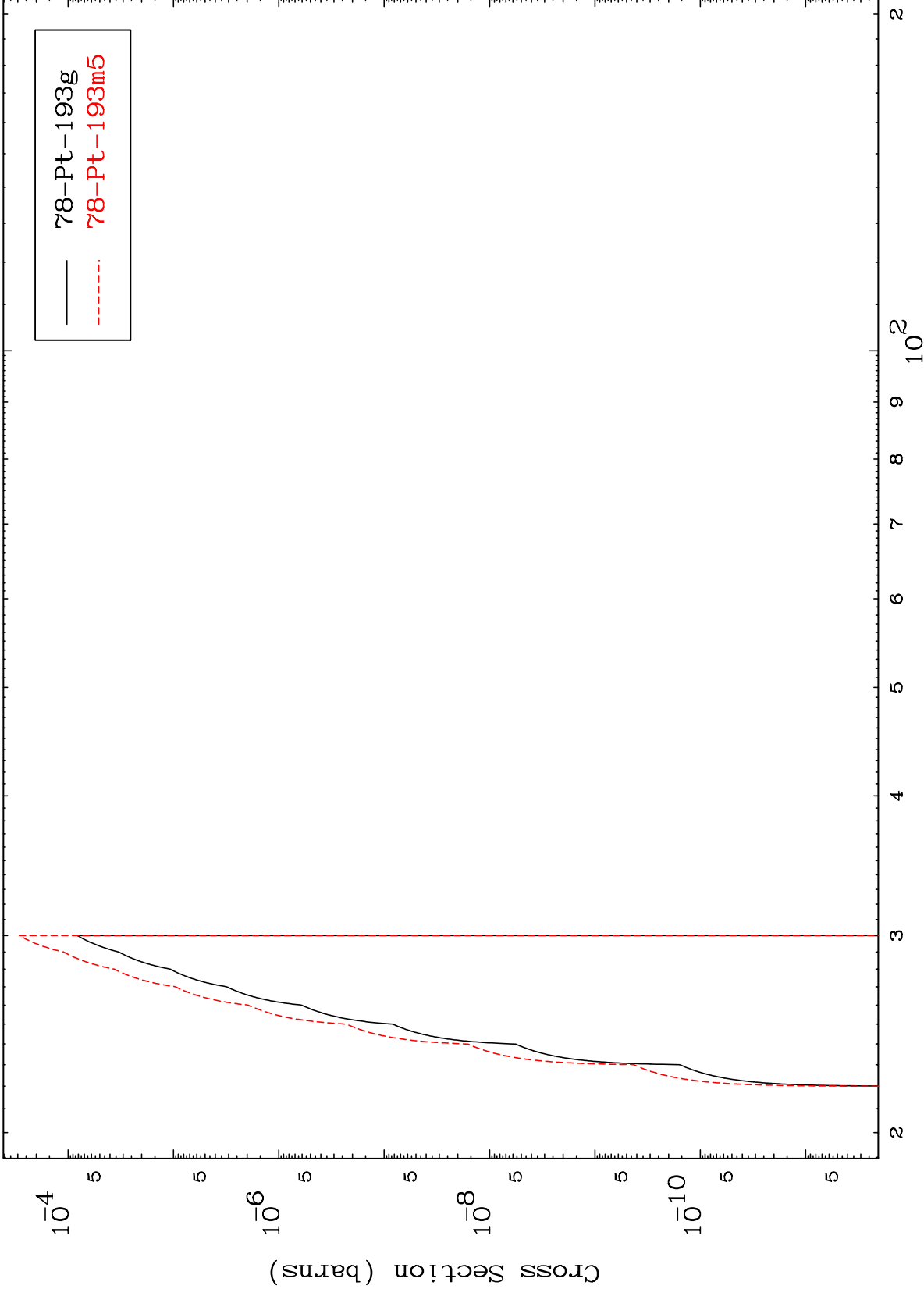


(n,4n)
Radionuclide Production Cross Section

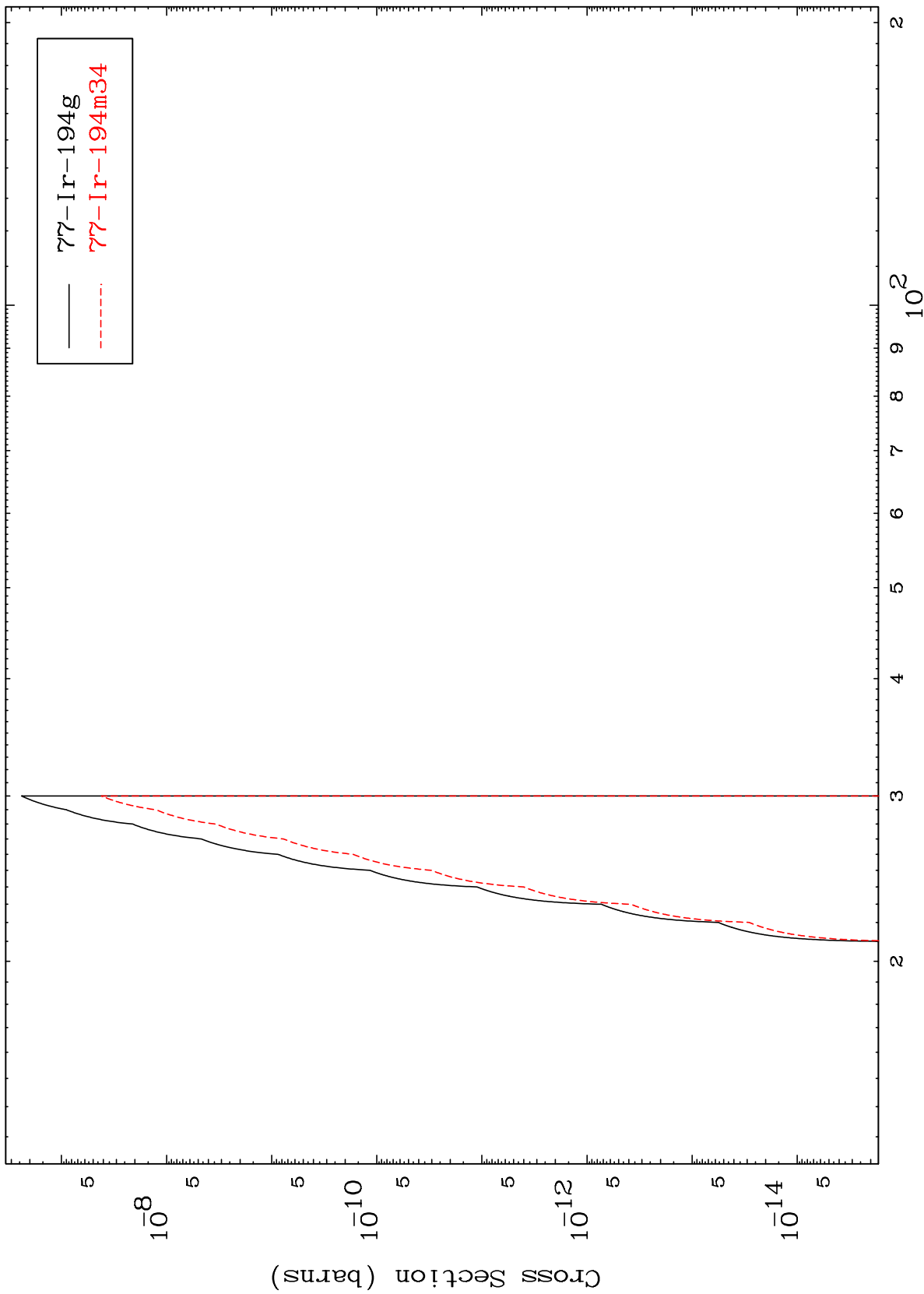


79-Au-193g
79-Au-193m4

Radionuclide Production Cross Section



Radionuclide Production Cross Section



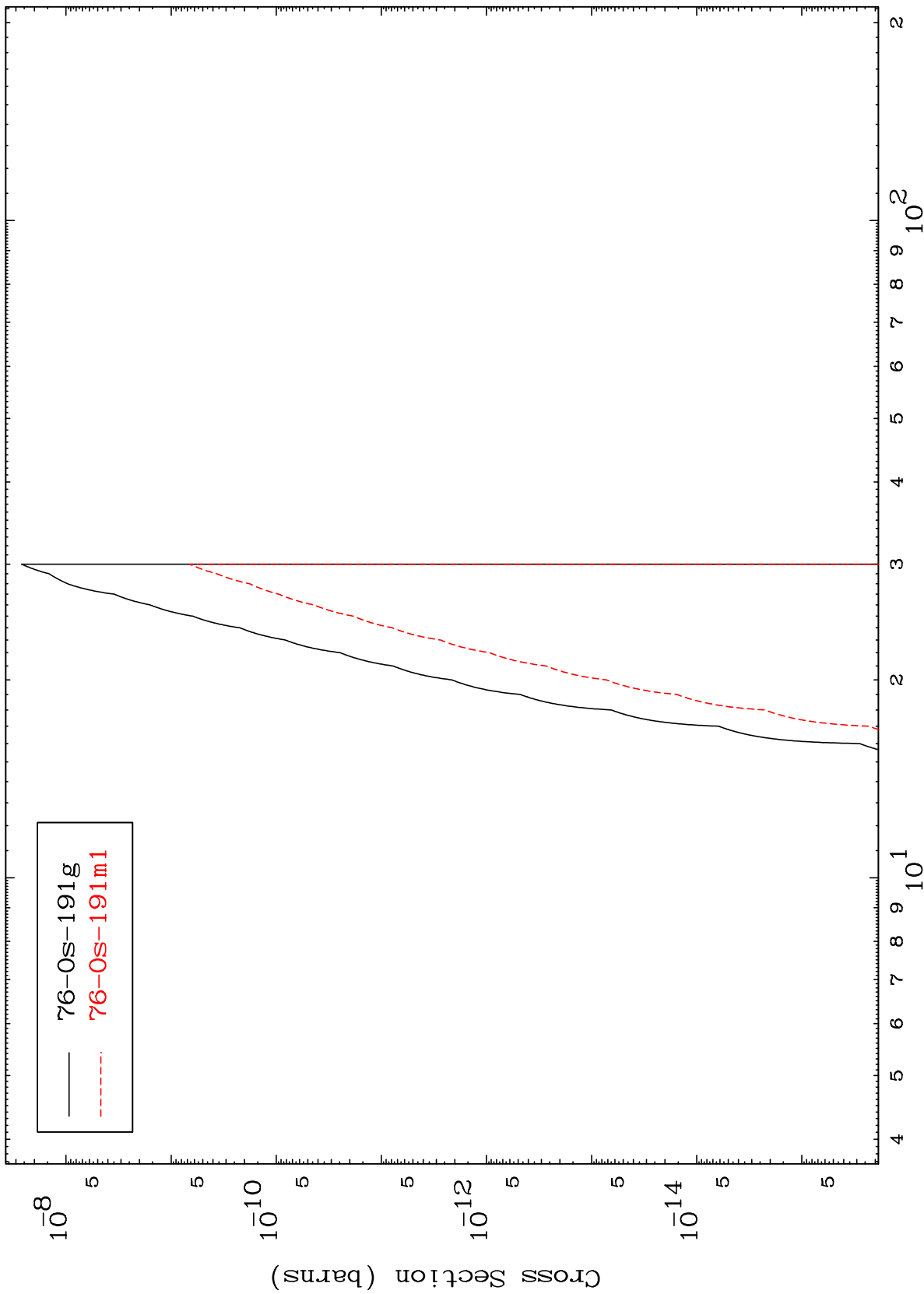
— ⁷⁷Ir-194g
- - - ⁷⁷Ir-194m34

MAT 7924

(n,n') p α

79-Au-196

Radionuclide Production Cross Section



34

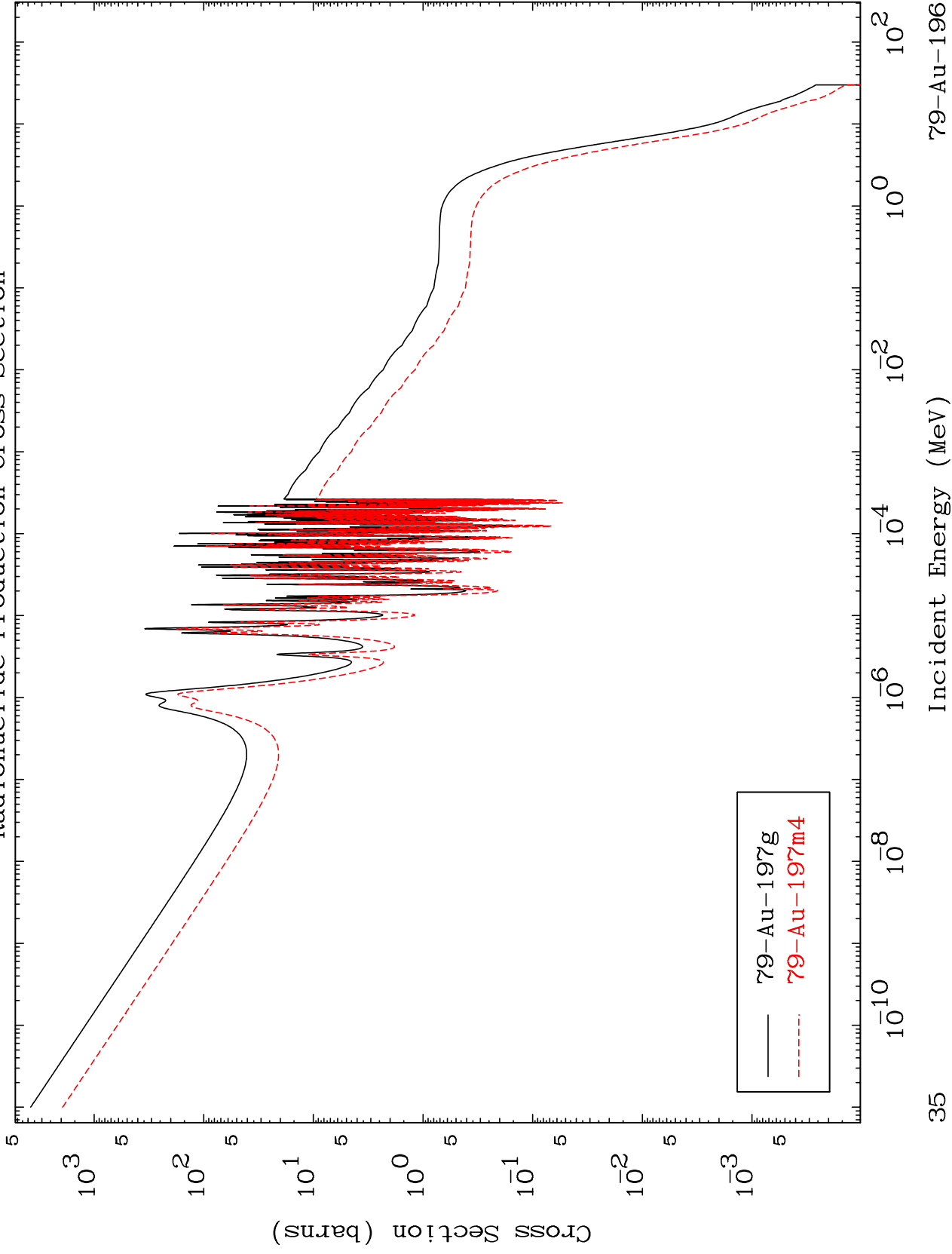
Incident Energy (MeV)

79-Au-196

MAT 7924

79-Au-196

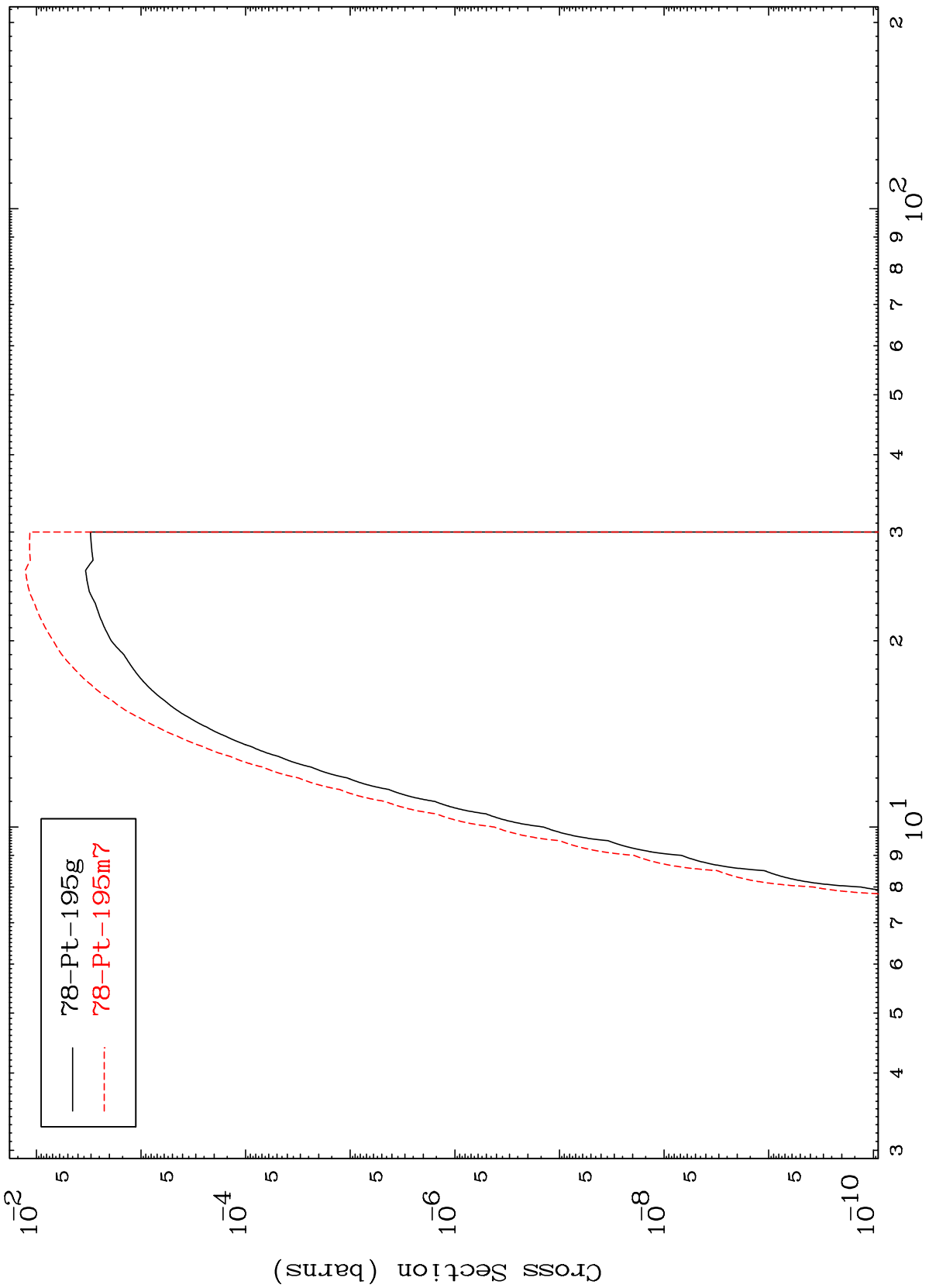
(n, γ)
Radionuclide Production Cross Section



MAT 7924

79-Au-196

(n,d)
Radionuclide Production Cross Section



Incident Energy (MeV)

79-Au-196

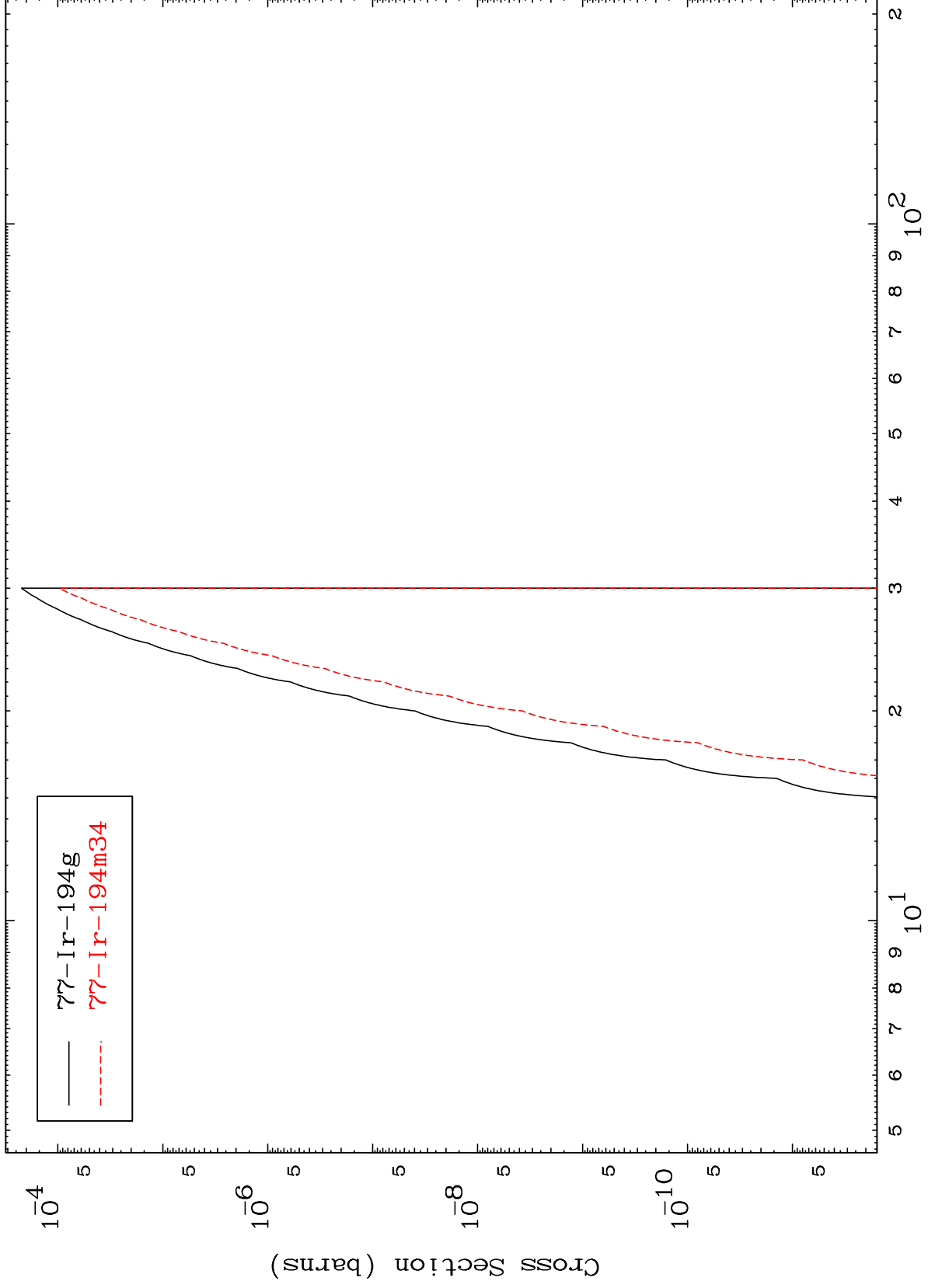
36

MAT 7924

(n,He-3)

79-Au-196

Radionuclide Production Cross Section



37

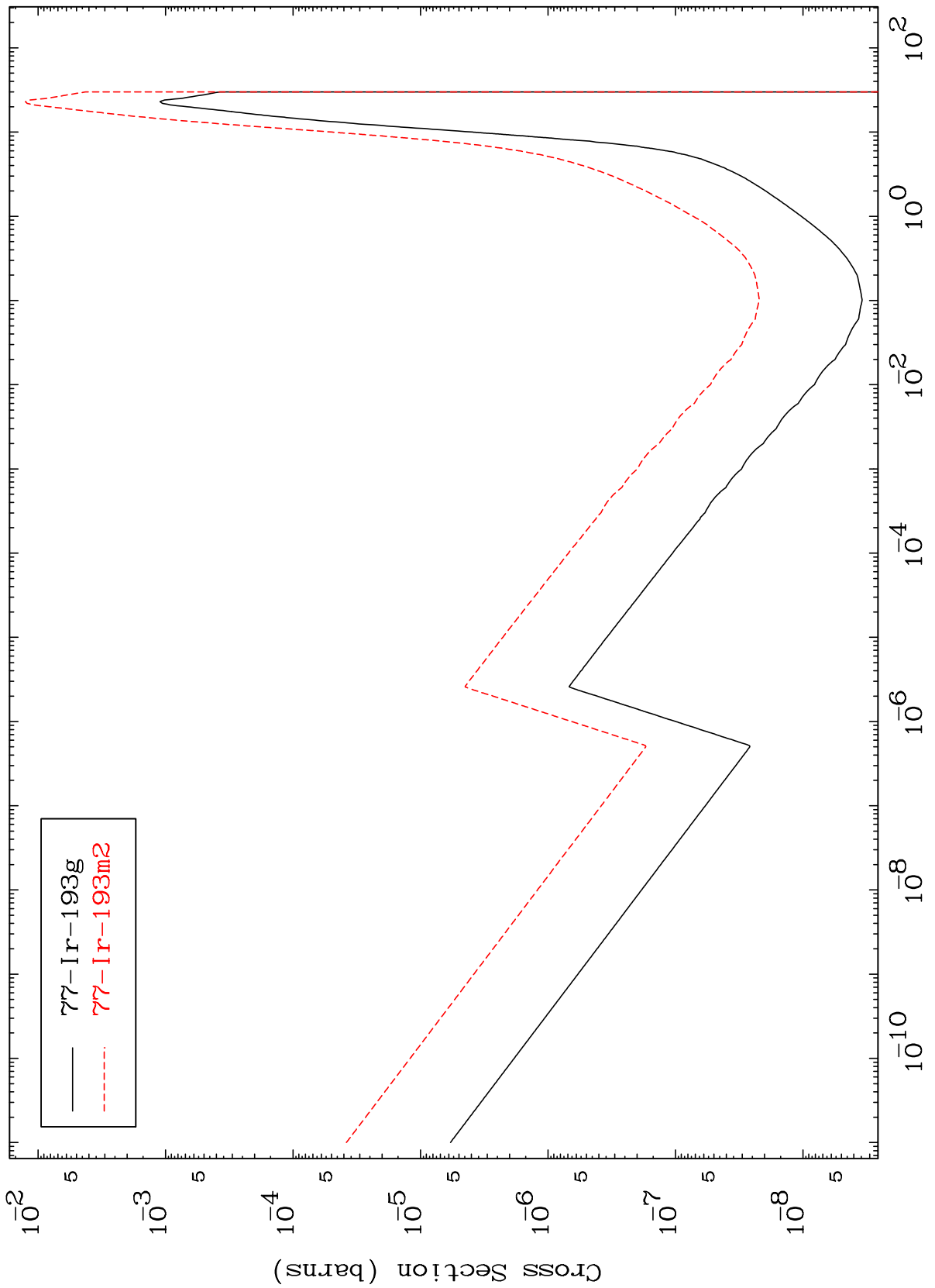
Incident Energy (MeV)

79-Au-196

MAT 7924

79-Au-196

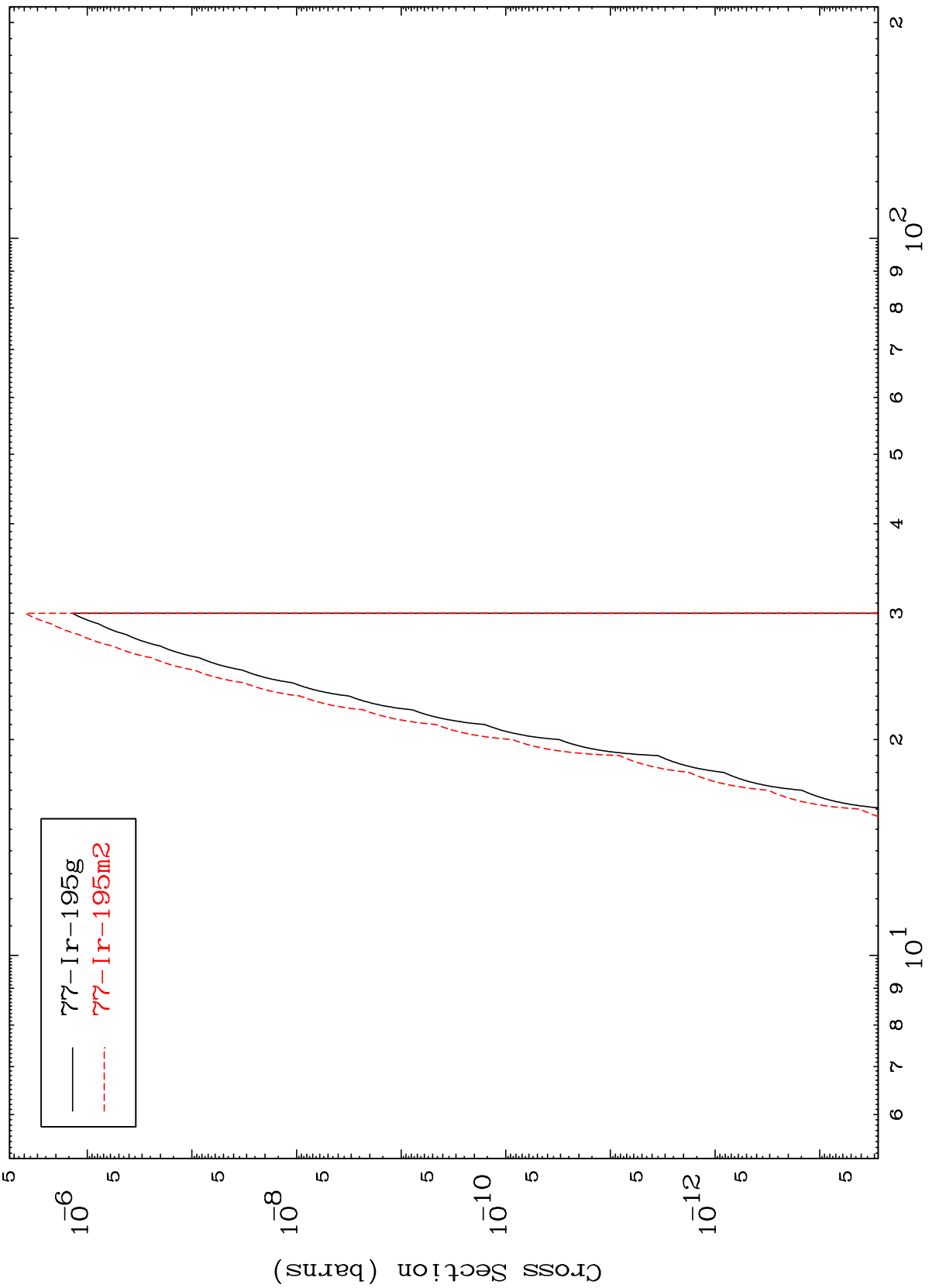
Radionuclide Production Cross Section
(n, α)



MAT 7924

79-Au-196

(n,2p)
Radionuclide Production Cross Section



39

Incident Energy (MeV)

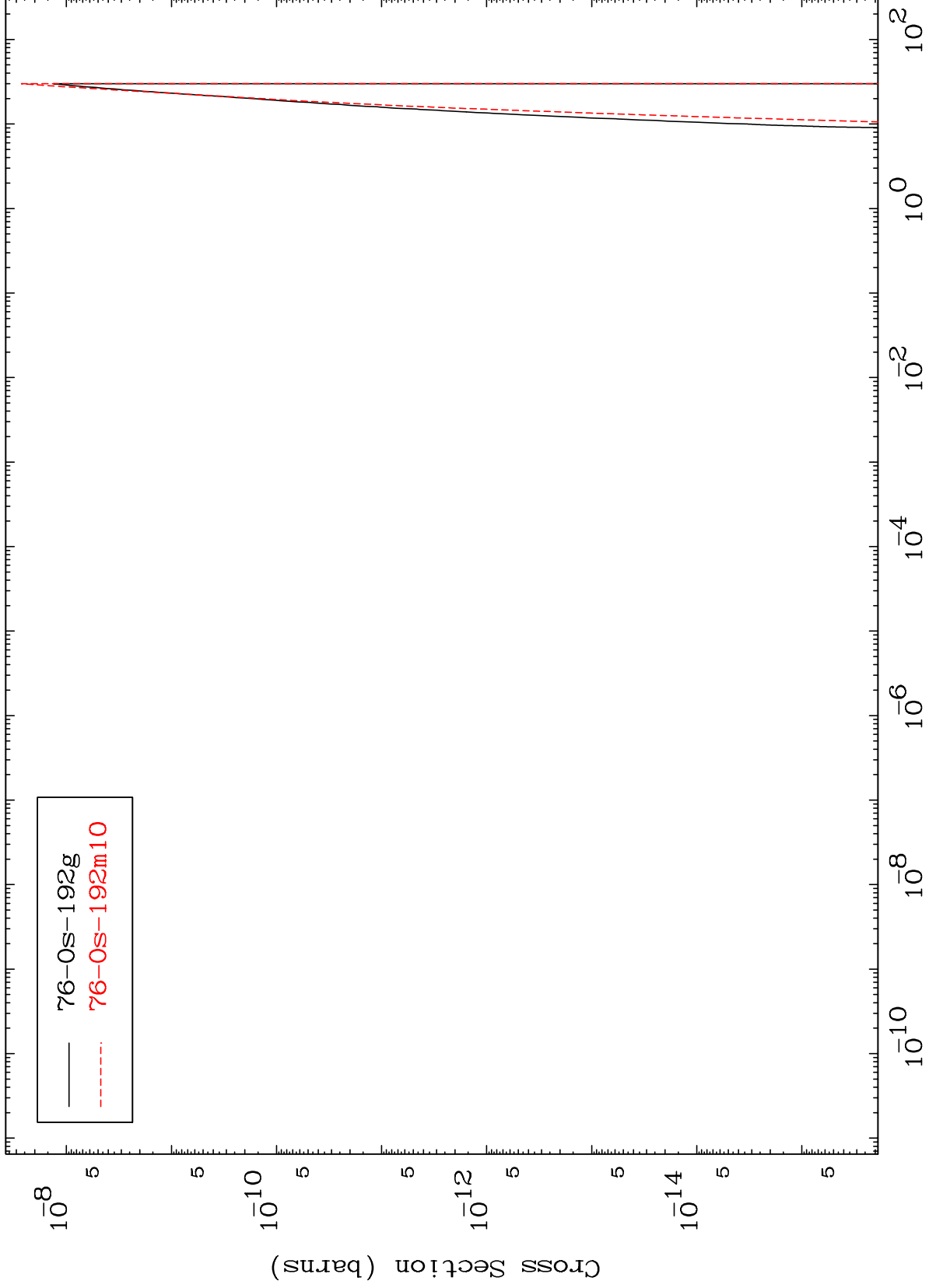
79-Au-196

MAT 7924

(n,p) α

⁷⁹Au-196

Radionuclide Production Cross Section



40

Incident Energy (MeV)

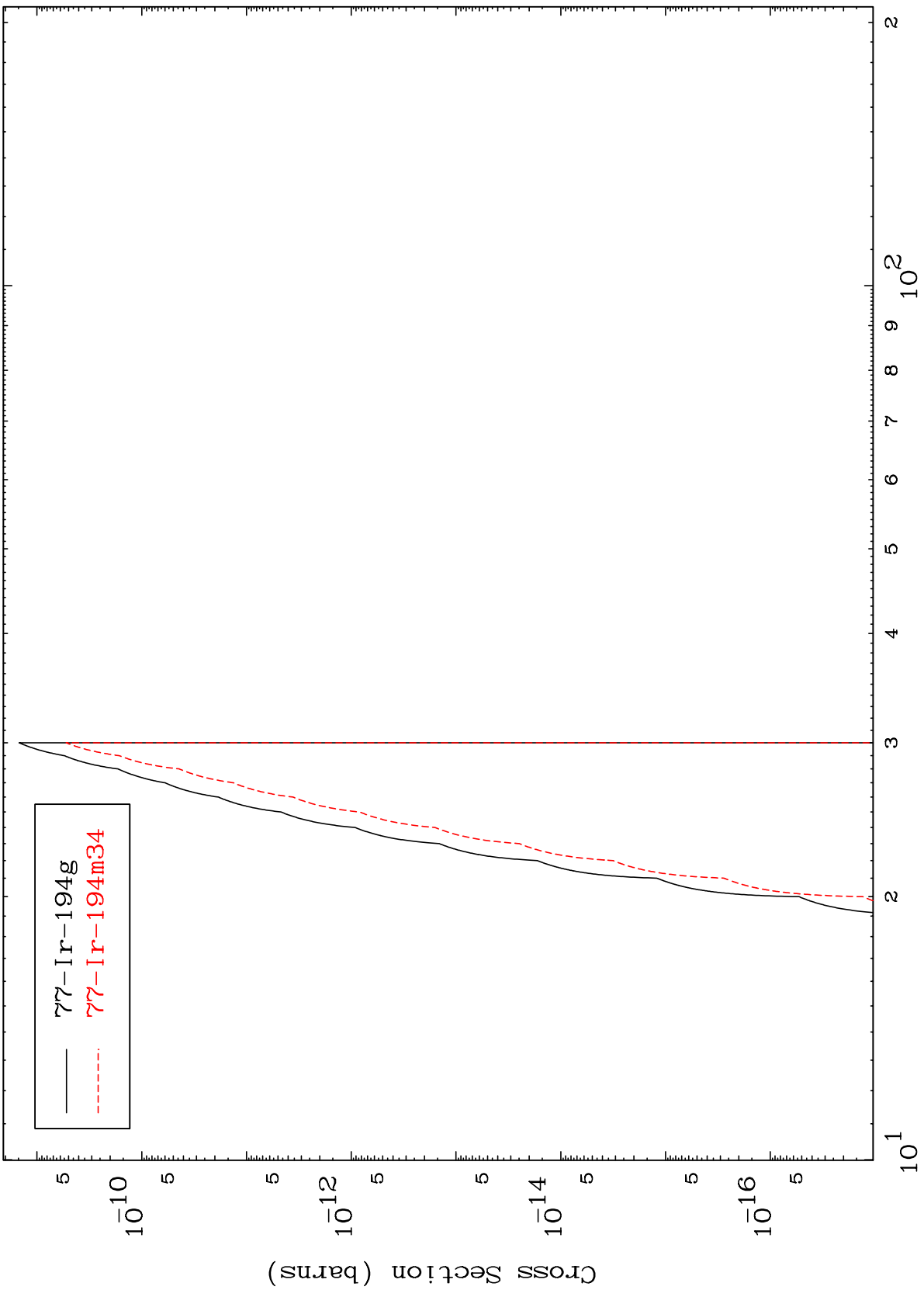
⁷⁹Au-196

MAT 7924

(n,p) d

79-Au-196

Radionuclide Production Cross Section



41

Incident Energy (MeV)

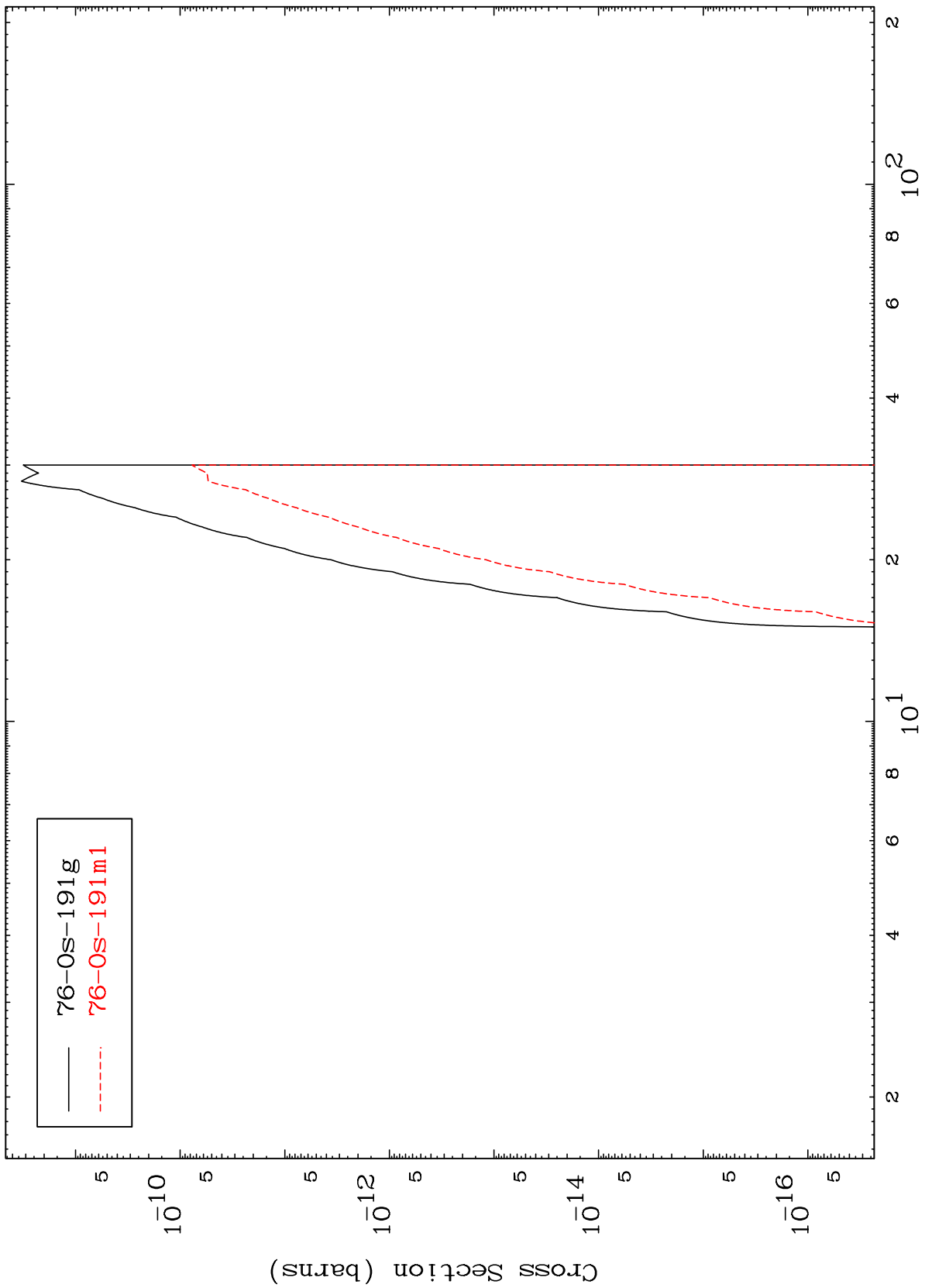
79-Au-196

MAT 7924

(n,d) α

79-Au-196

Radionuclide Production Cross Section



— 76-Os-191g
- - - 76-Os-191m1