

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

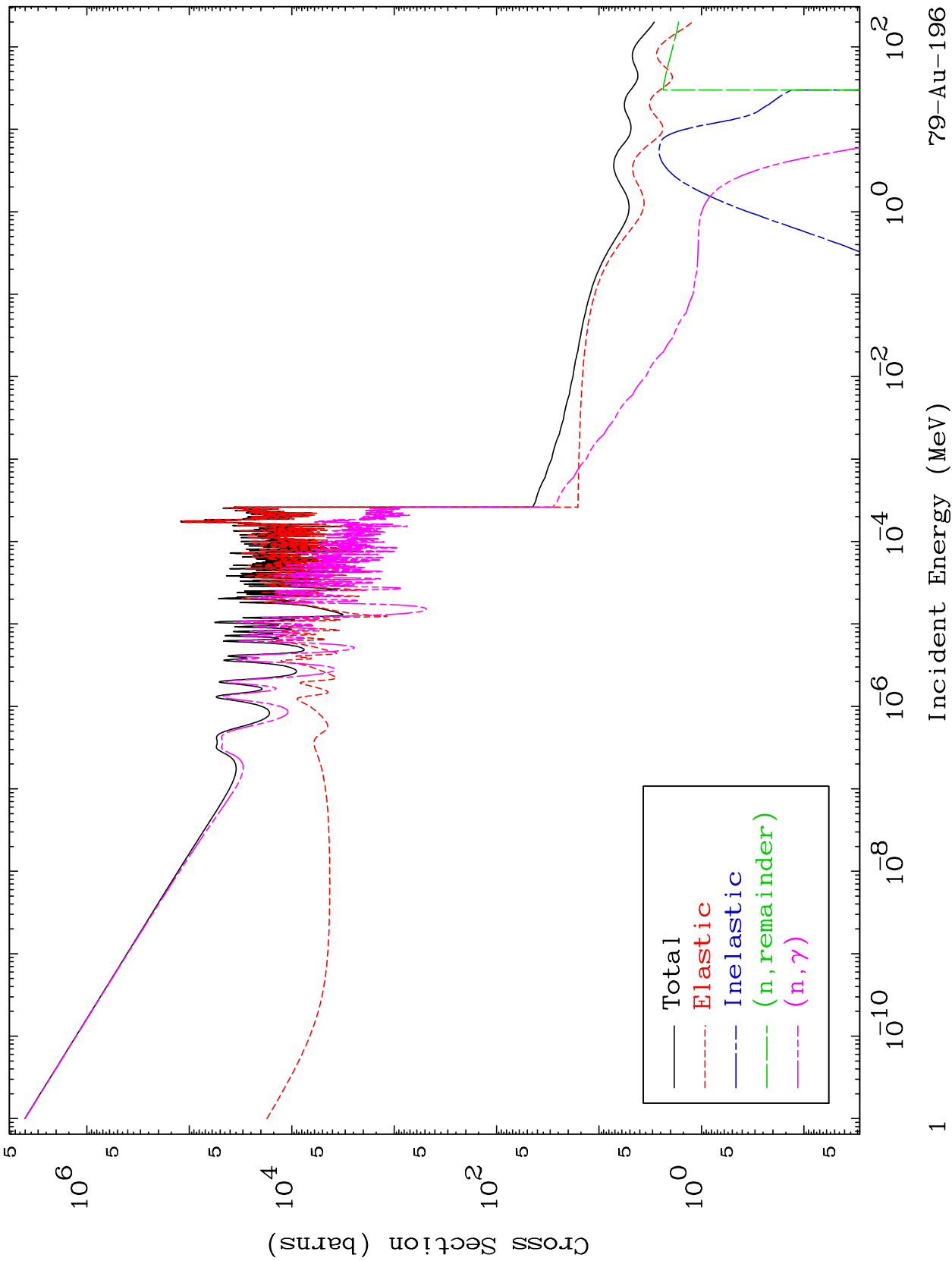
Press Mouse Button to Start

MAT 7923

Major

293 Kelvin Cross Sections

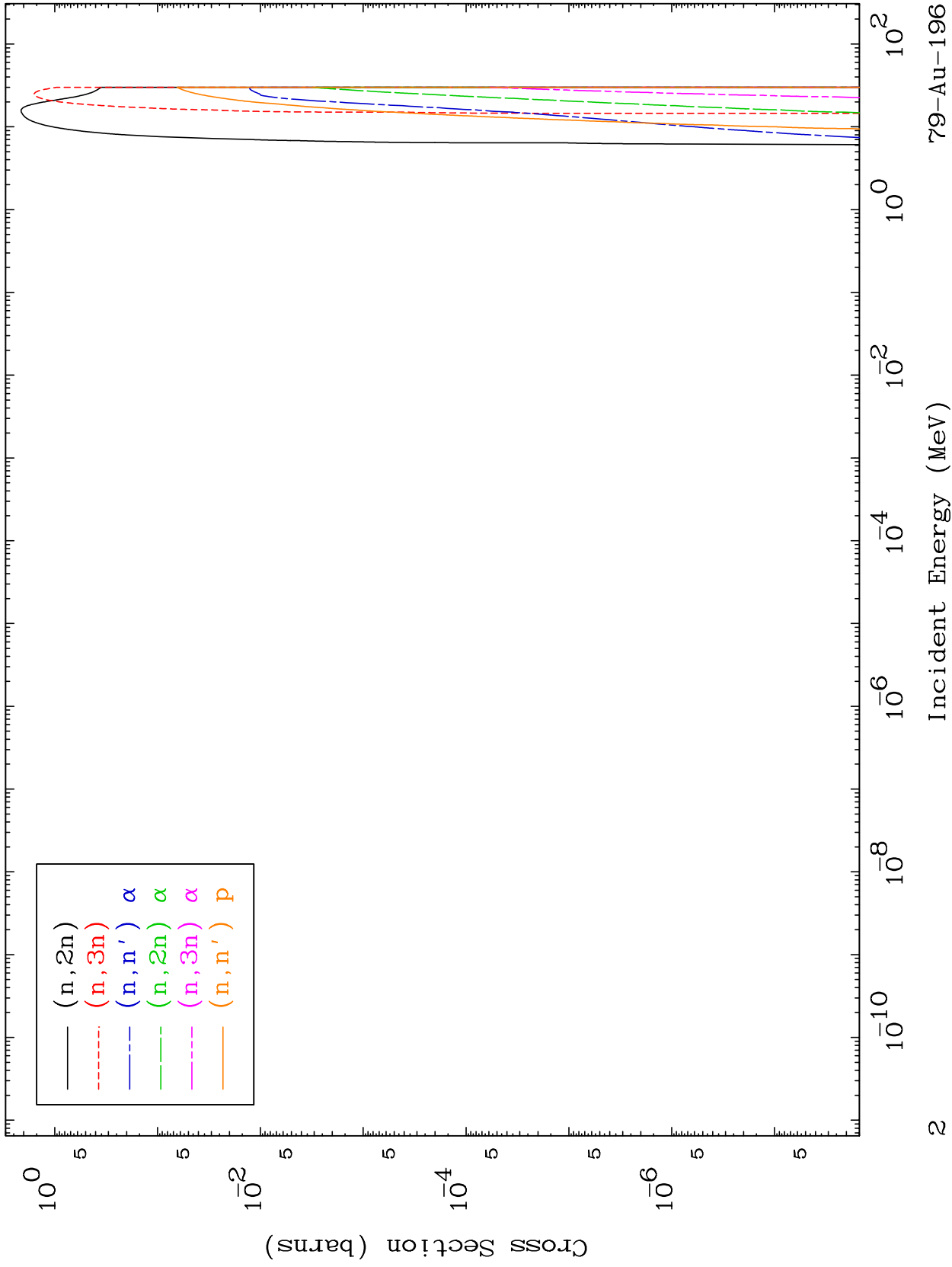
79-Au-196



MAT 7923

Neutron Production
293 Kelvin Cross Sections

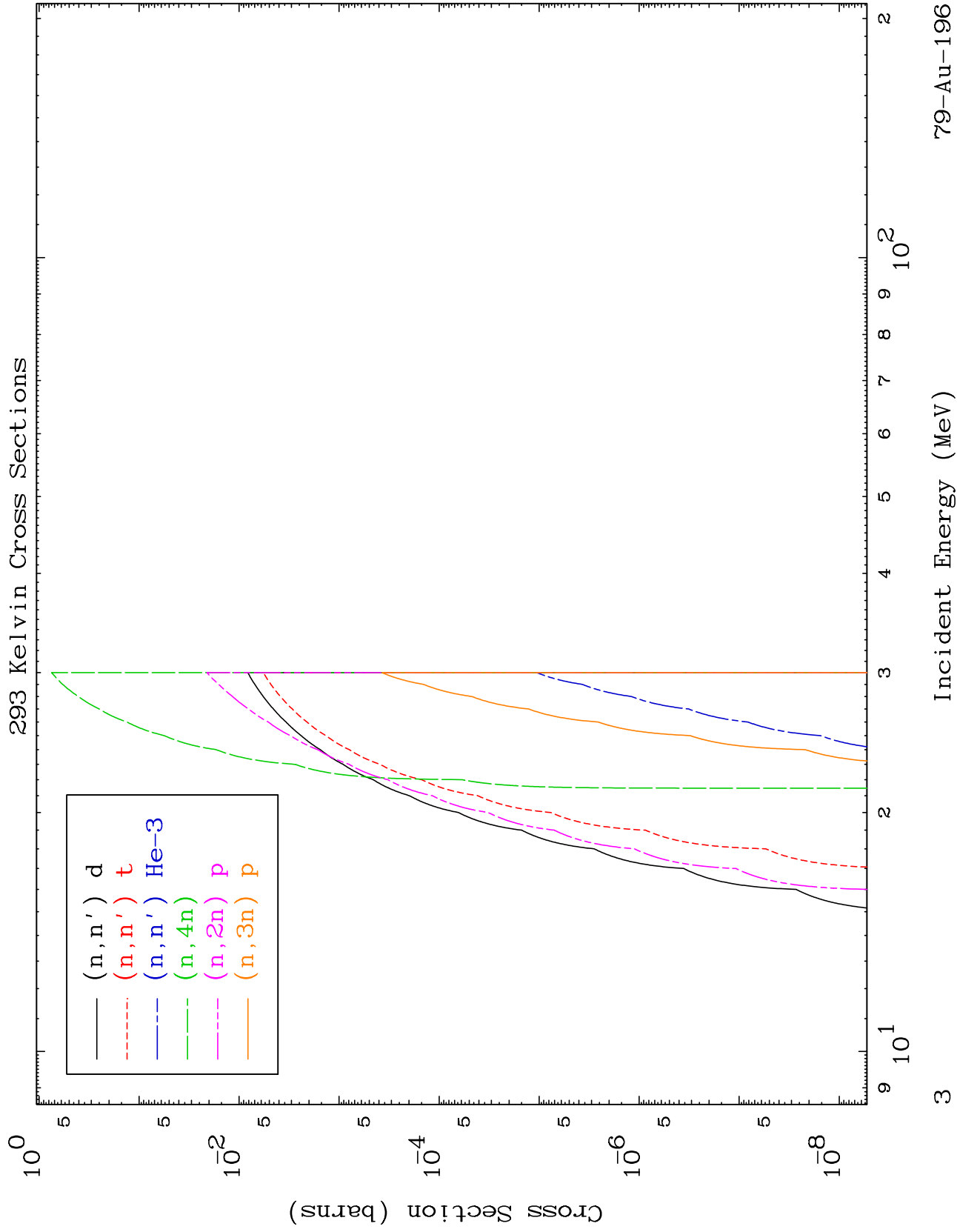
79-Au-196



MAT 7923

Neutron Production
293 Kelvin Cross Sections

79-Au-196



79-Au-196

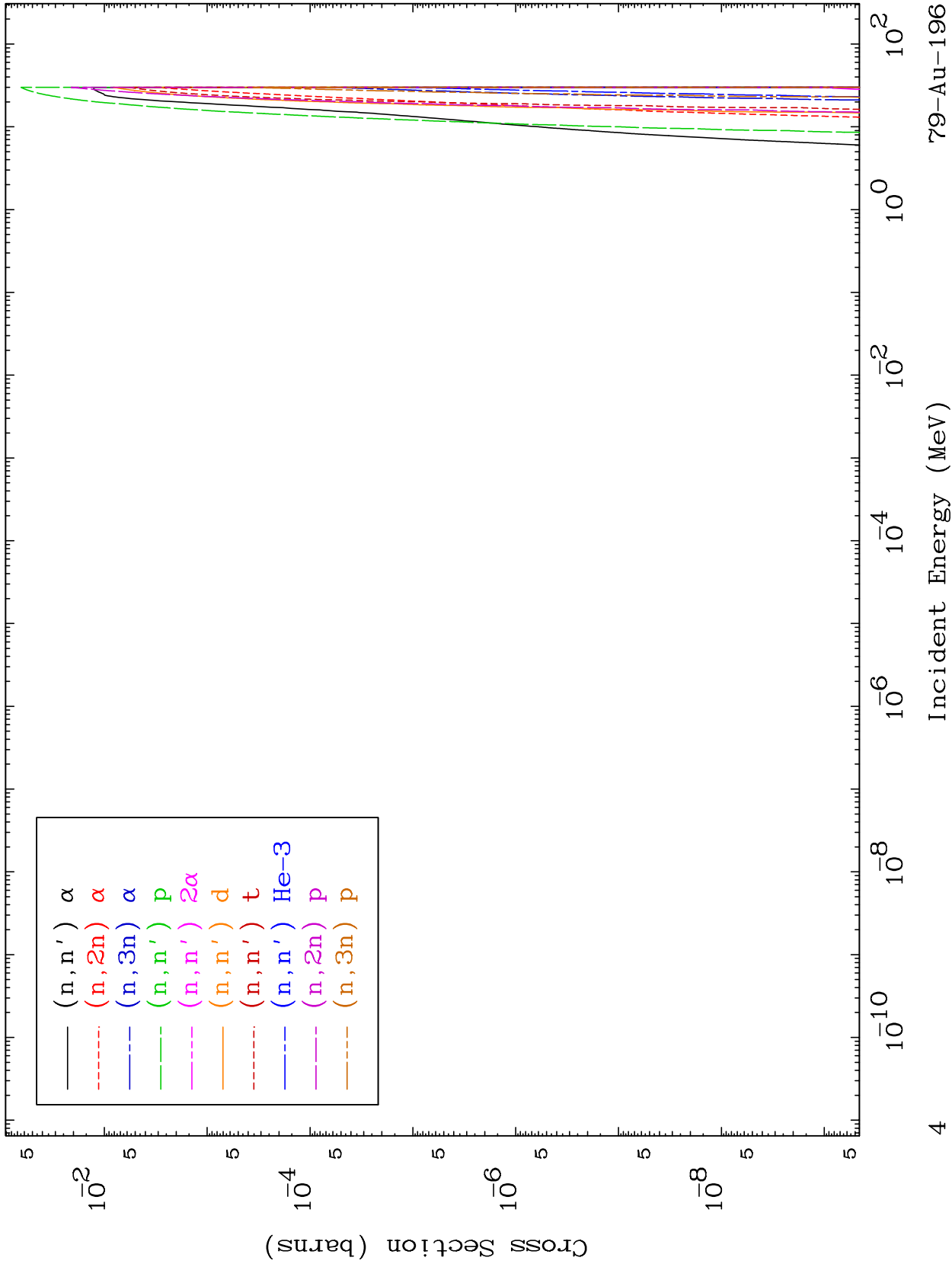
Incident Energy (MeV)

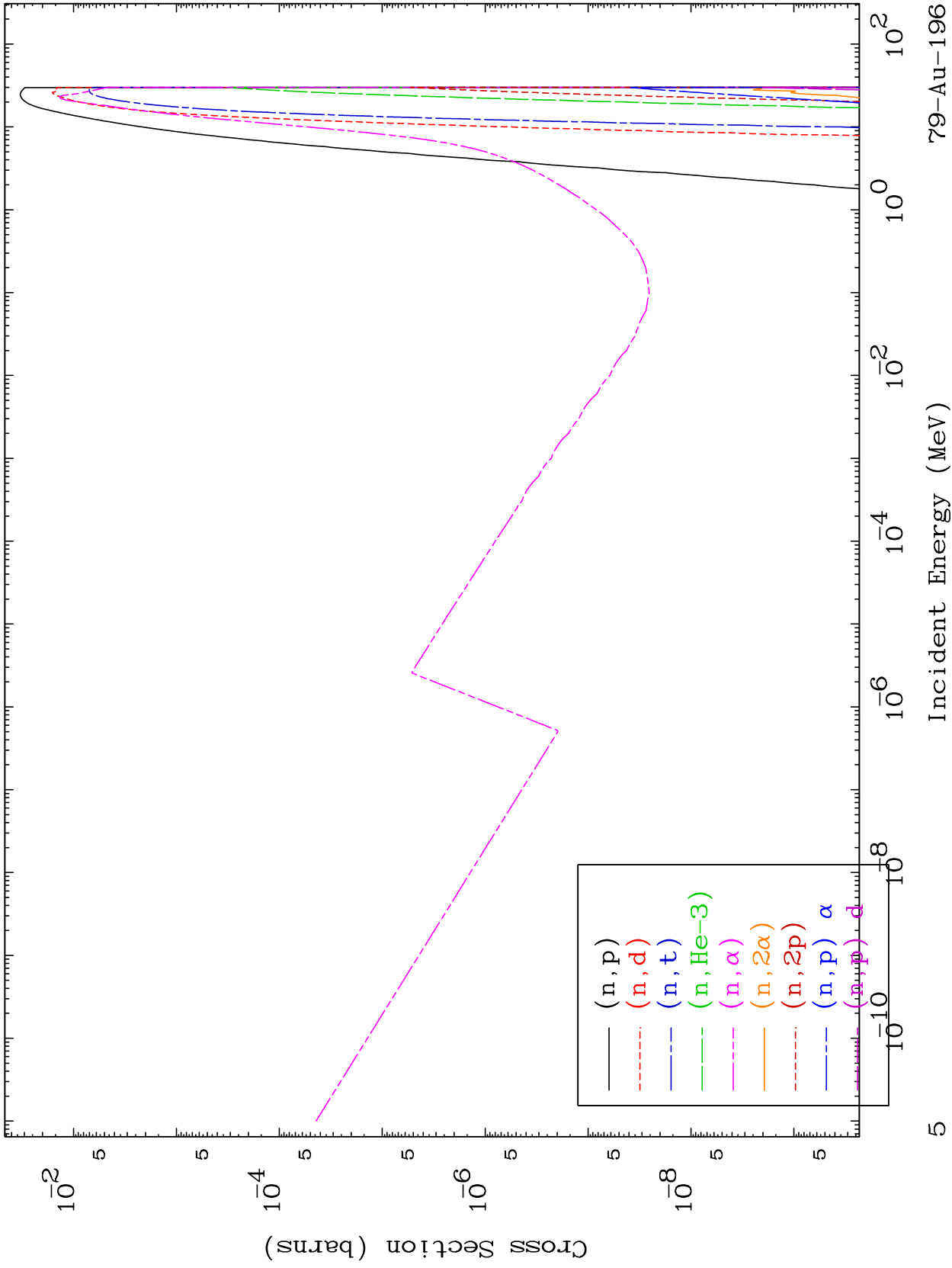
3

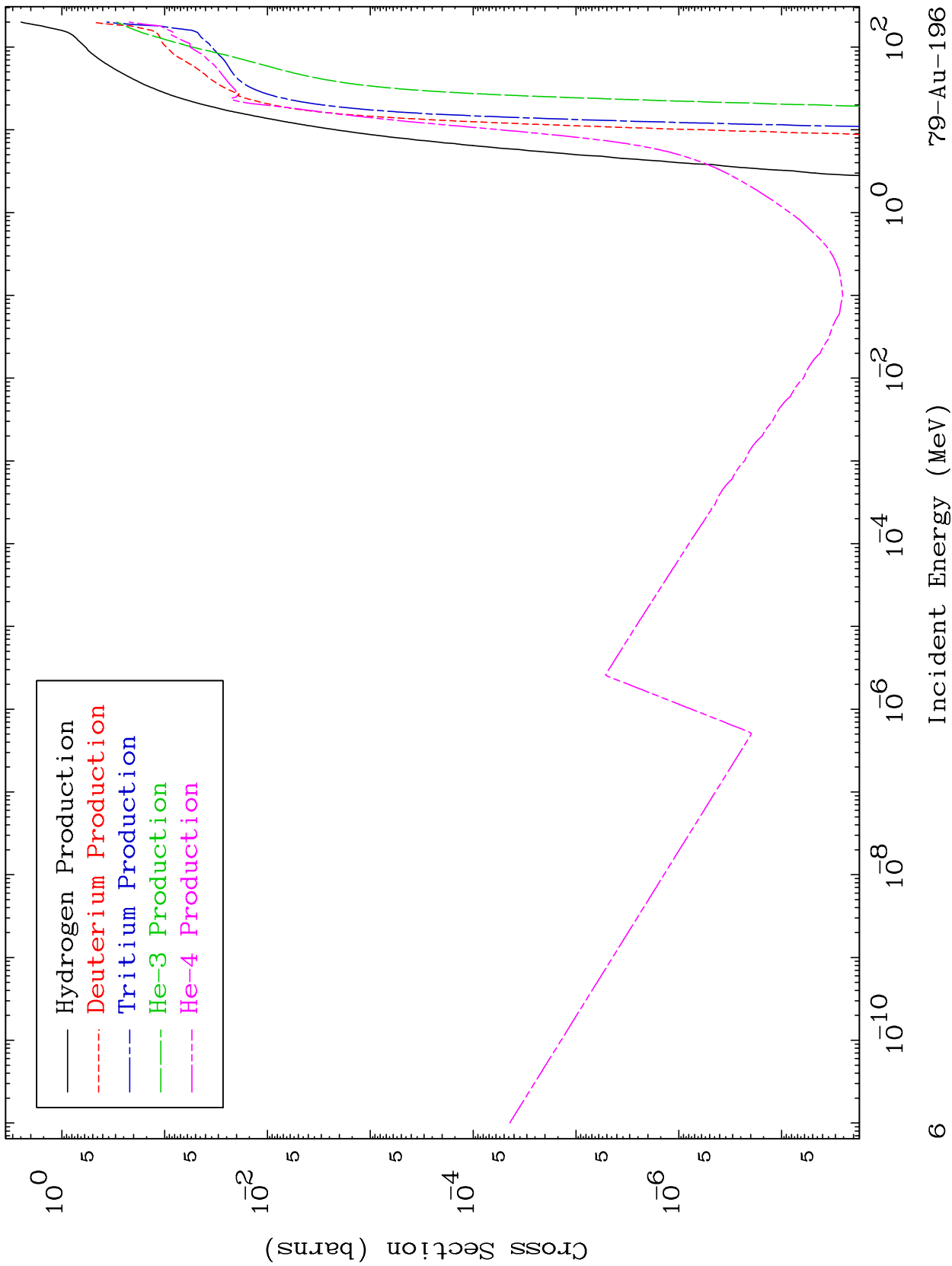
MAT 7923

Charged Particle
293 Kelvin Cross Sections

79-Au-196



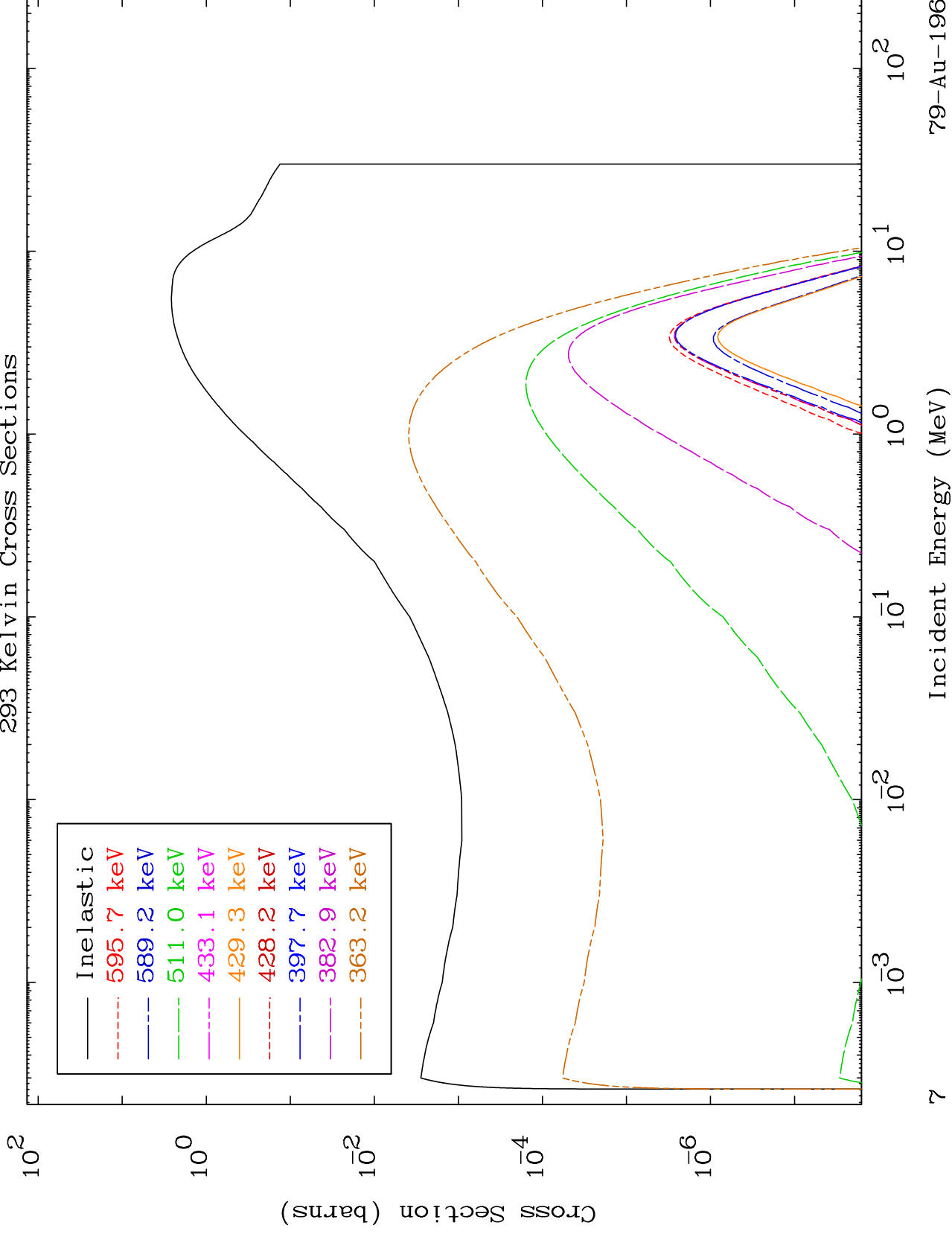




MAT 7923

(n,n') Level
293 Kelvin Cross Sections

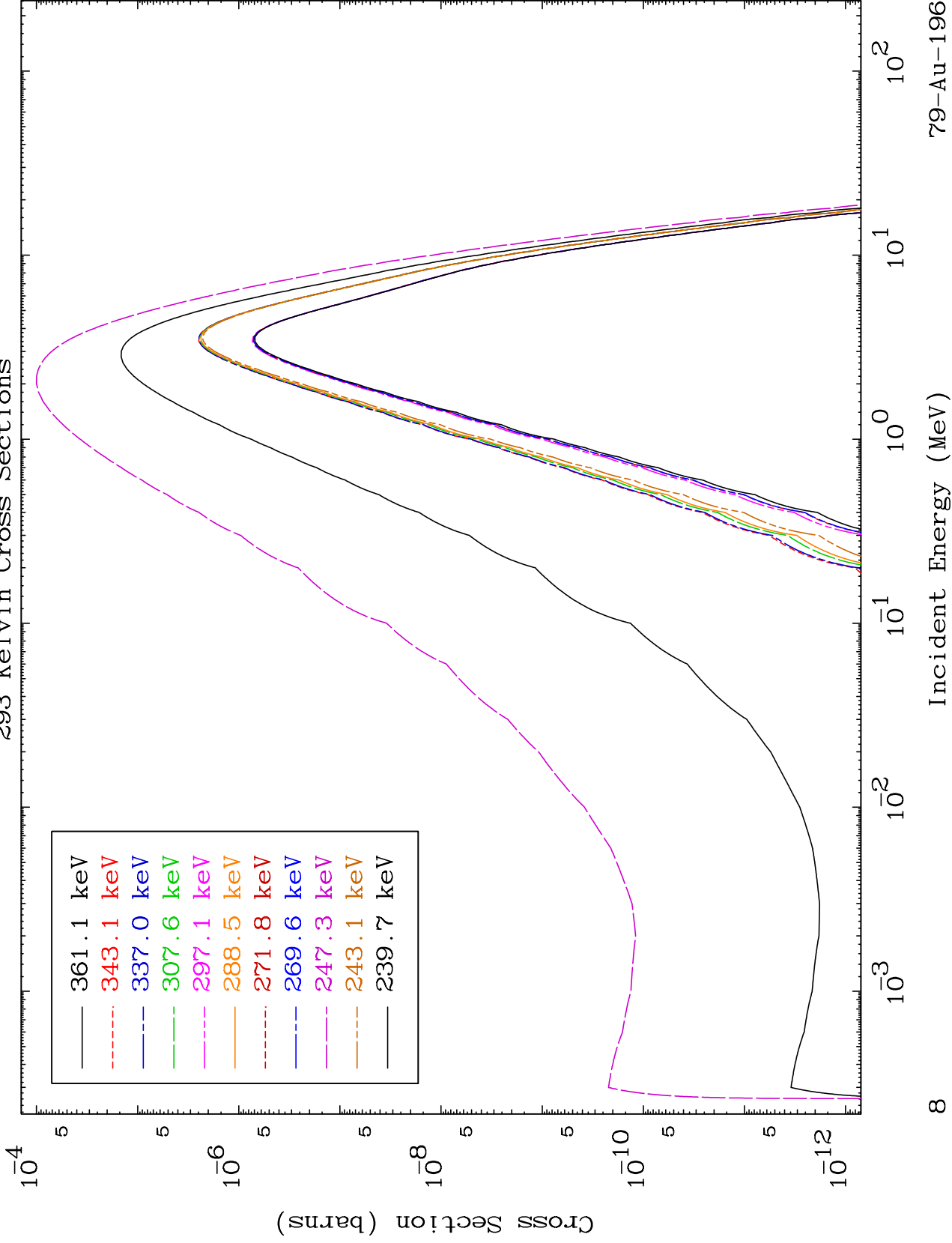
79-Au-196



MAT 7923

(n,n') Level
293 Kelvin Cross Sections

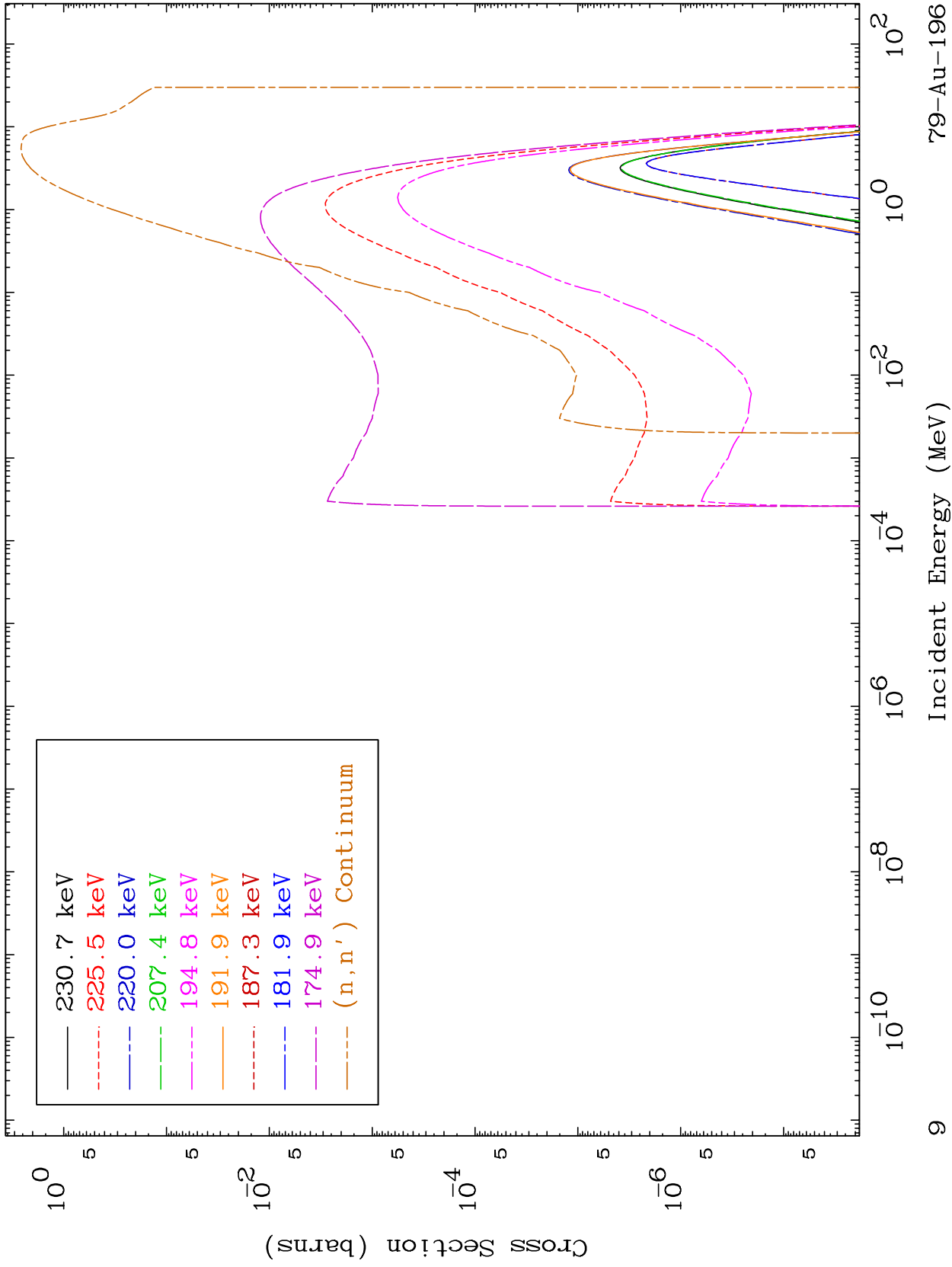
79-Au-196



MAT 7923

(n,n') Level
293 Kelvin Cross Sections

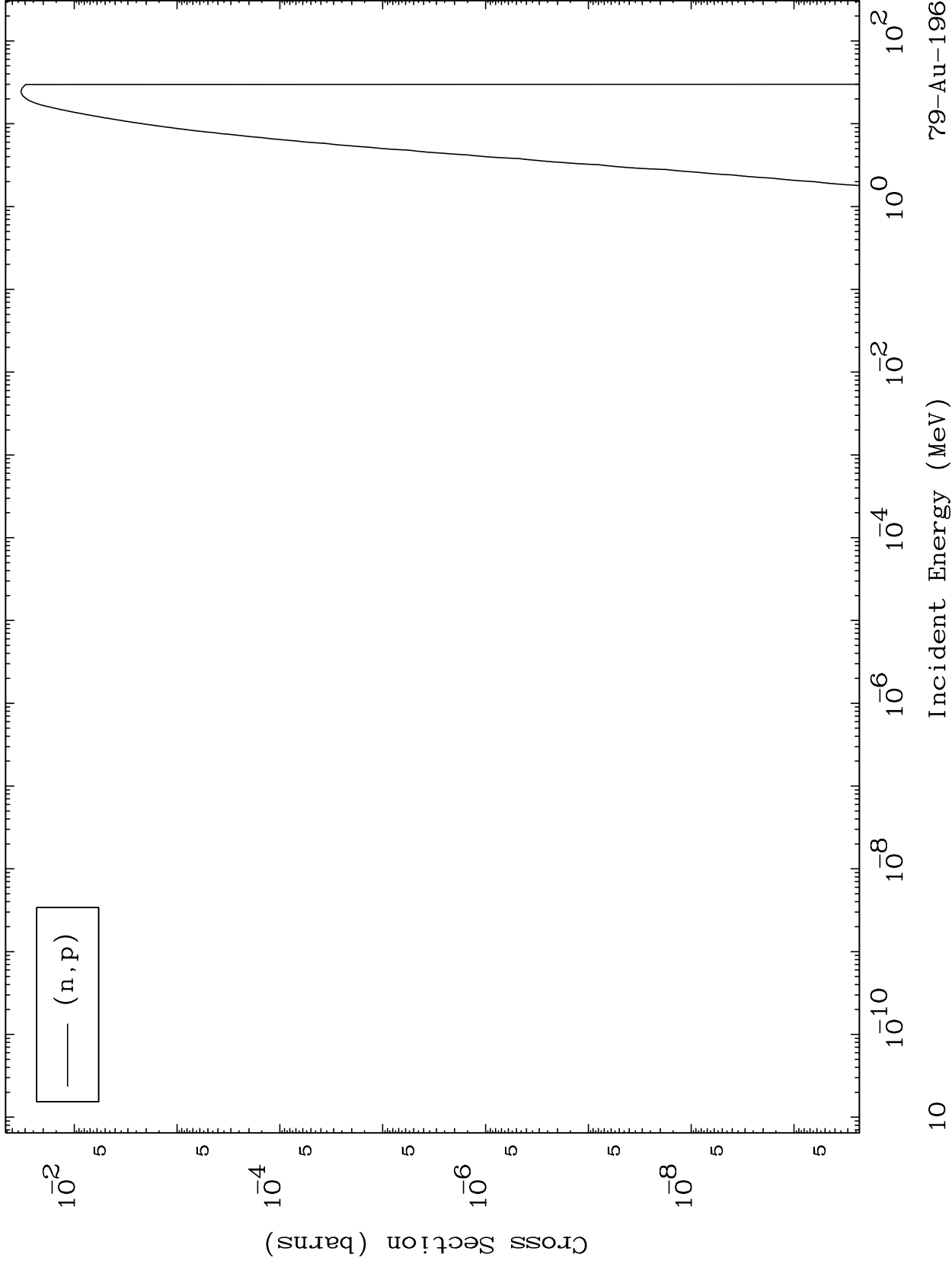
79-Au-196



MAT 7923

(n,p) Levels
293 Kelvin Cross Sections

79-Au-196



10

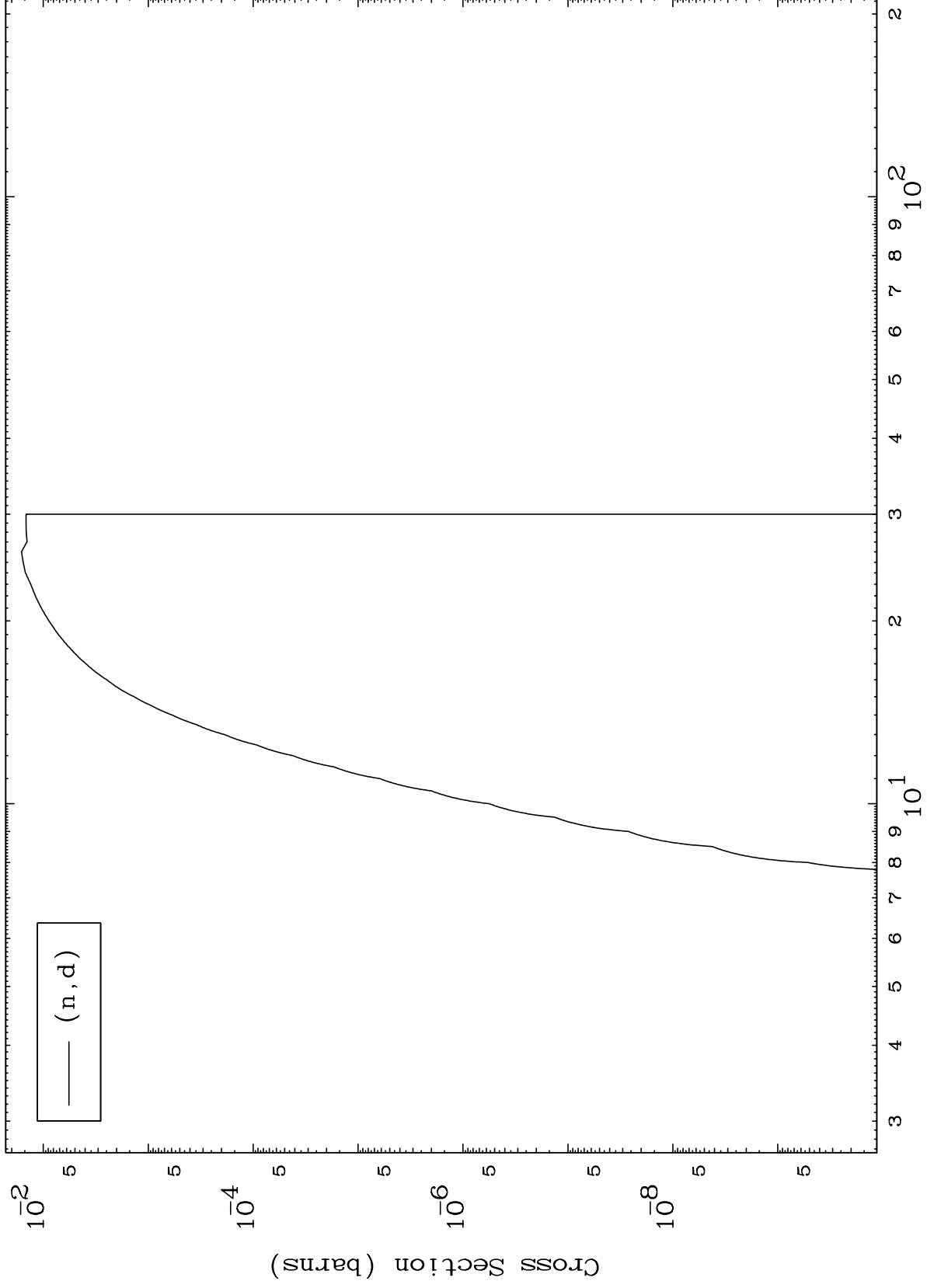
Incident Energy (MeV)

79-Au-196

MAT 7923

(n,d) Levels
293 Kelvin Cross Sections

79-Au-196



11

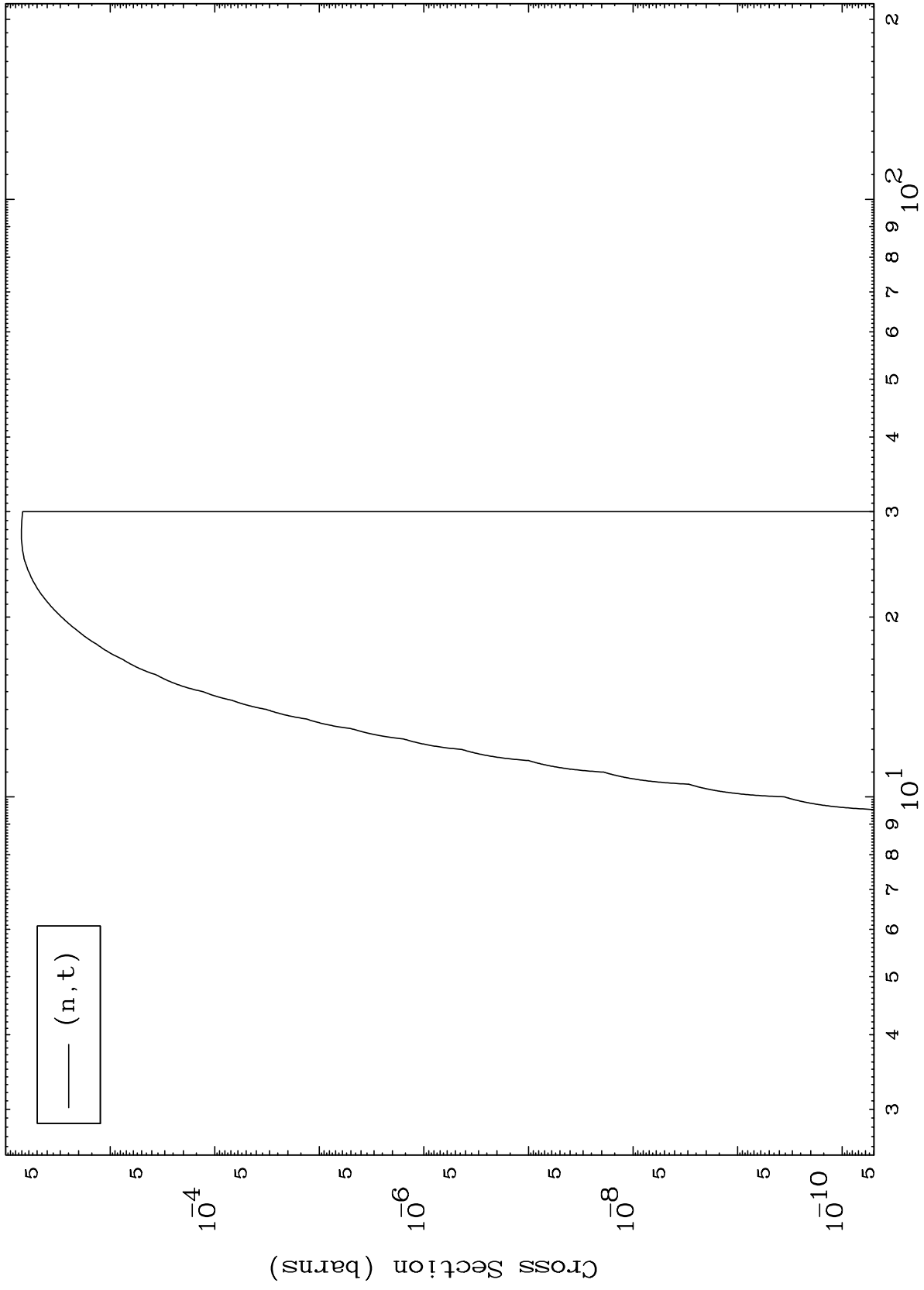
Incident Energy (MeV)

79-Au-196

MAT 7923

(n,t) Levels
293 Kelvin Cross Sections

79-Au-196



12

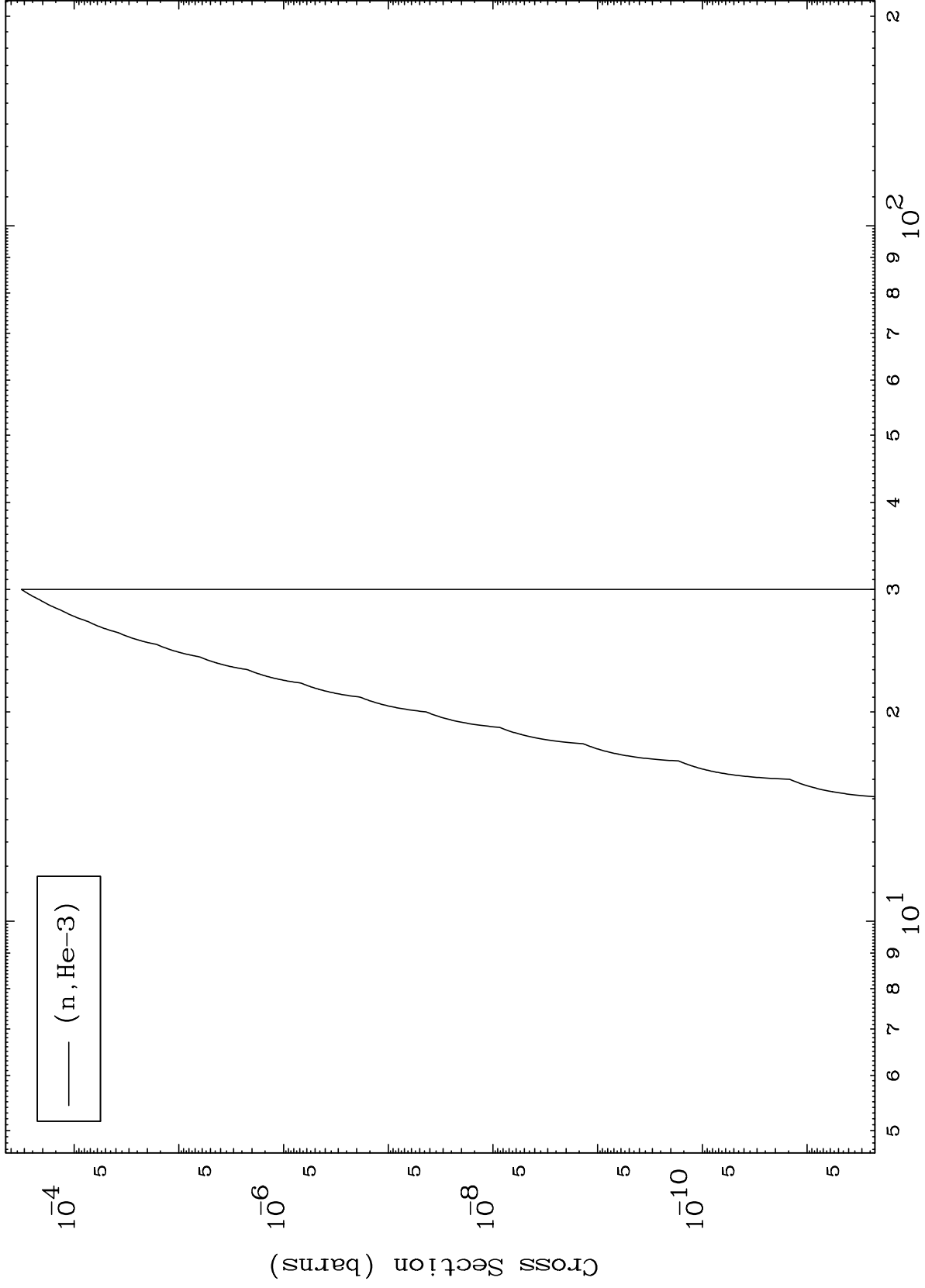
Incident Energy (MeV)

79-Au-196

MAT 7923

(n,He3) Levels
293 Kelvin Cross Sections

79-Au-196



13

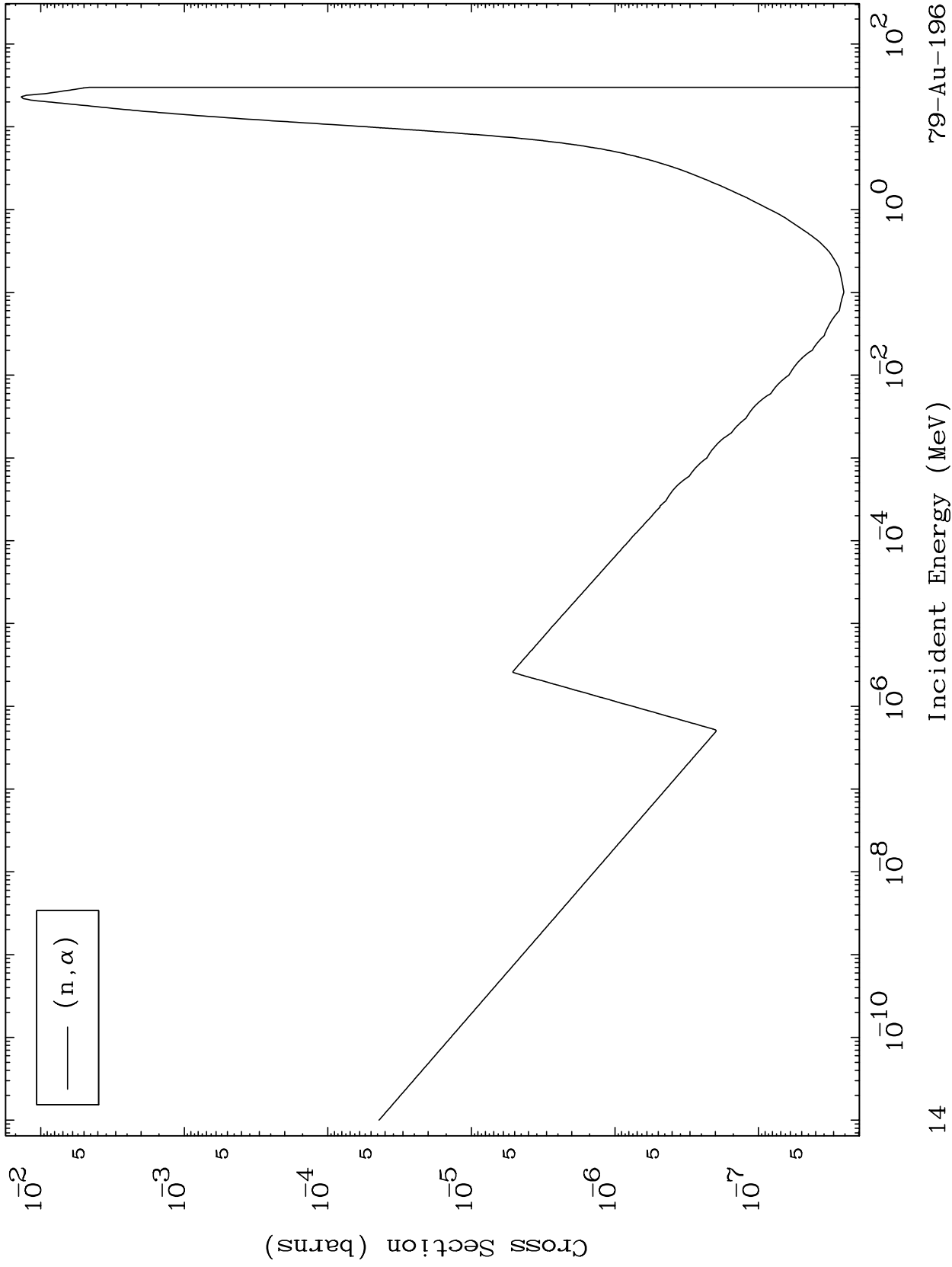
Incident Energy (MeV)

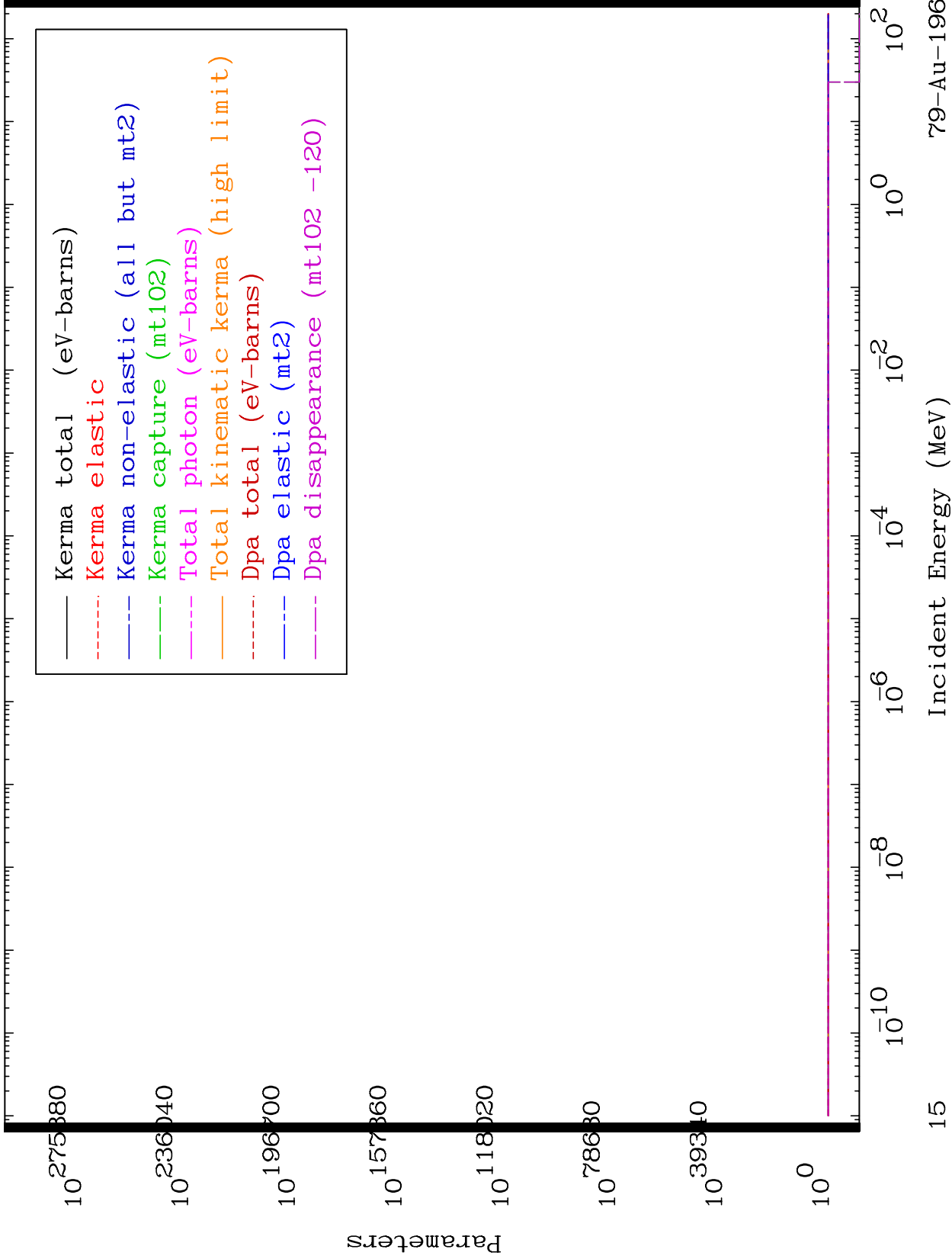
79-Au-196

MAT 7923

(n, α) Levels
293 Kelvin Cross Sections

79-Au-196

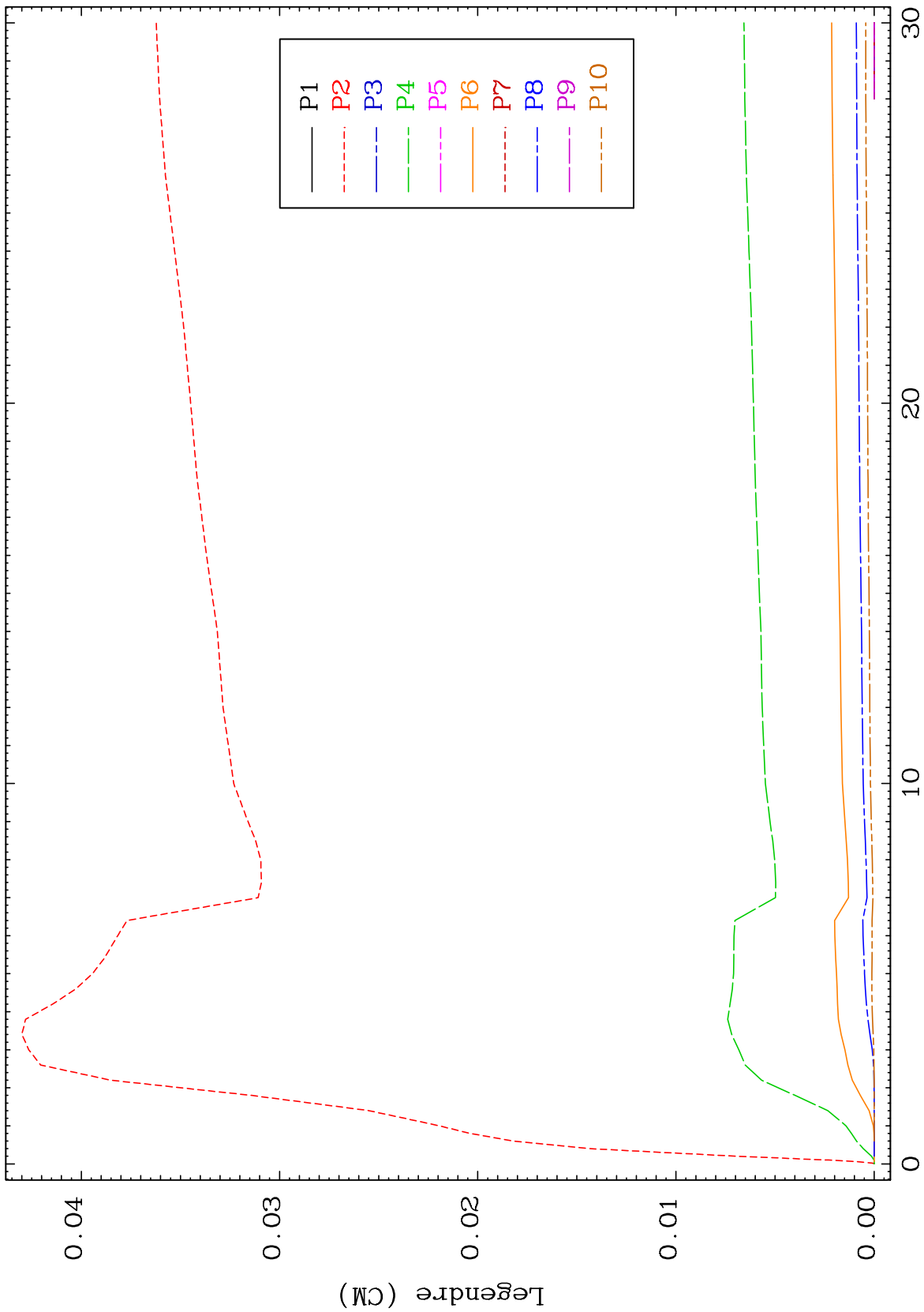




MAT 7923

Elastic Legendre Coefficients

79-Au-196



79-Au-196

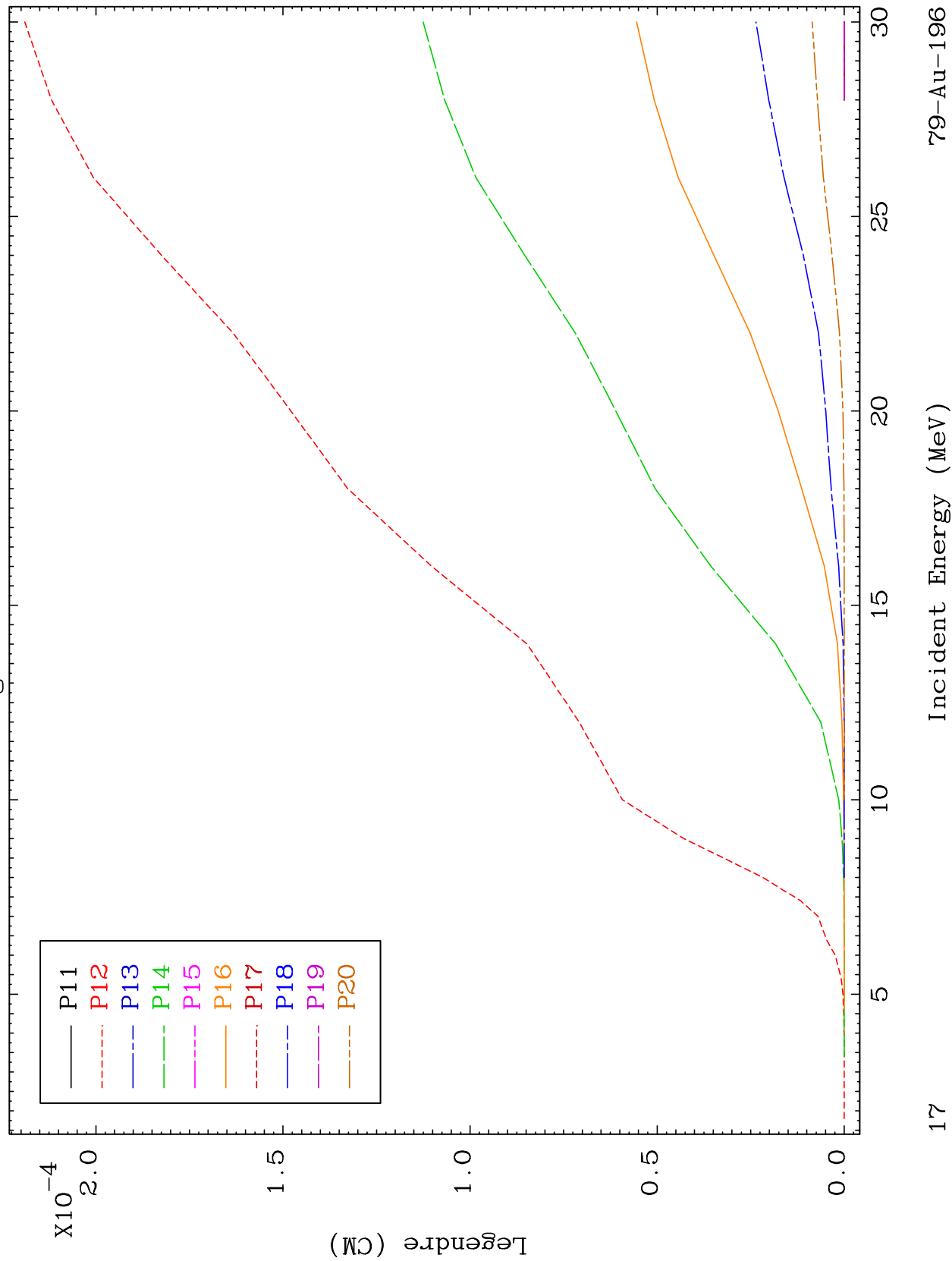
Incident Energy (MeV)

16

MAT 7923

Elastic Legendre Coefficients

79-Au-196



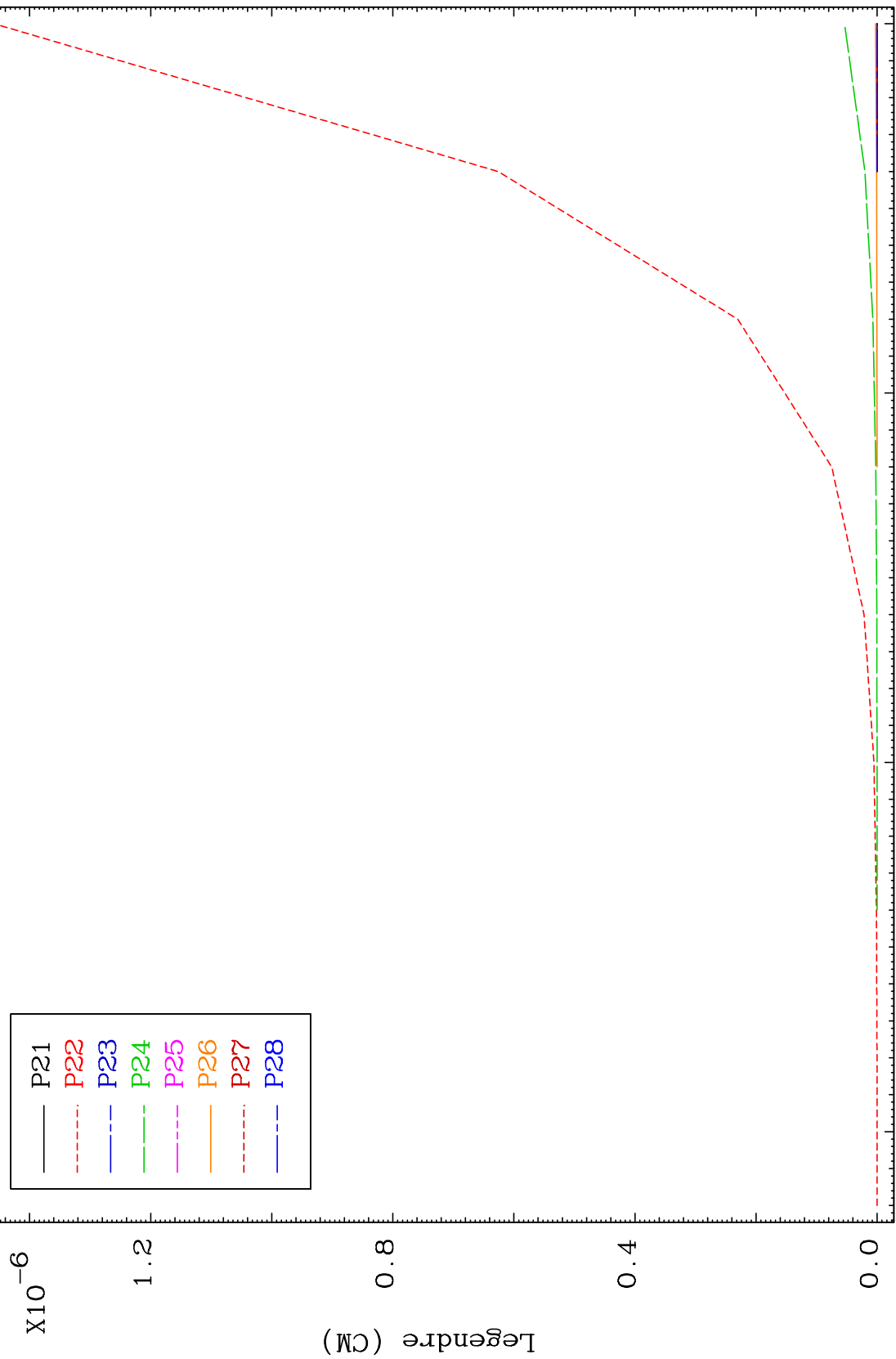
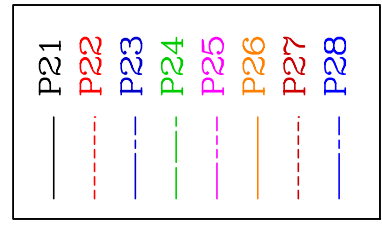
17

79-Au-196

MAT 7923

Elastic Legendre Coefficients

79-Au-196



18

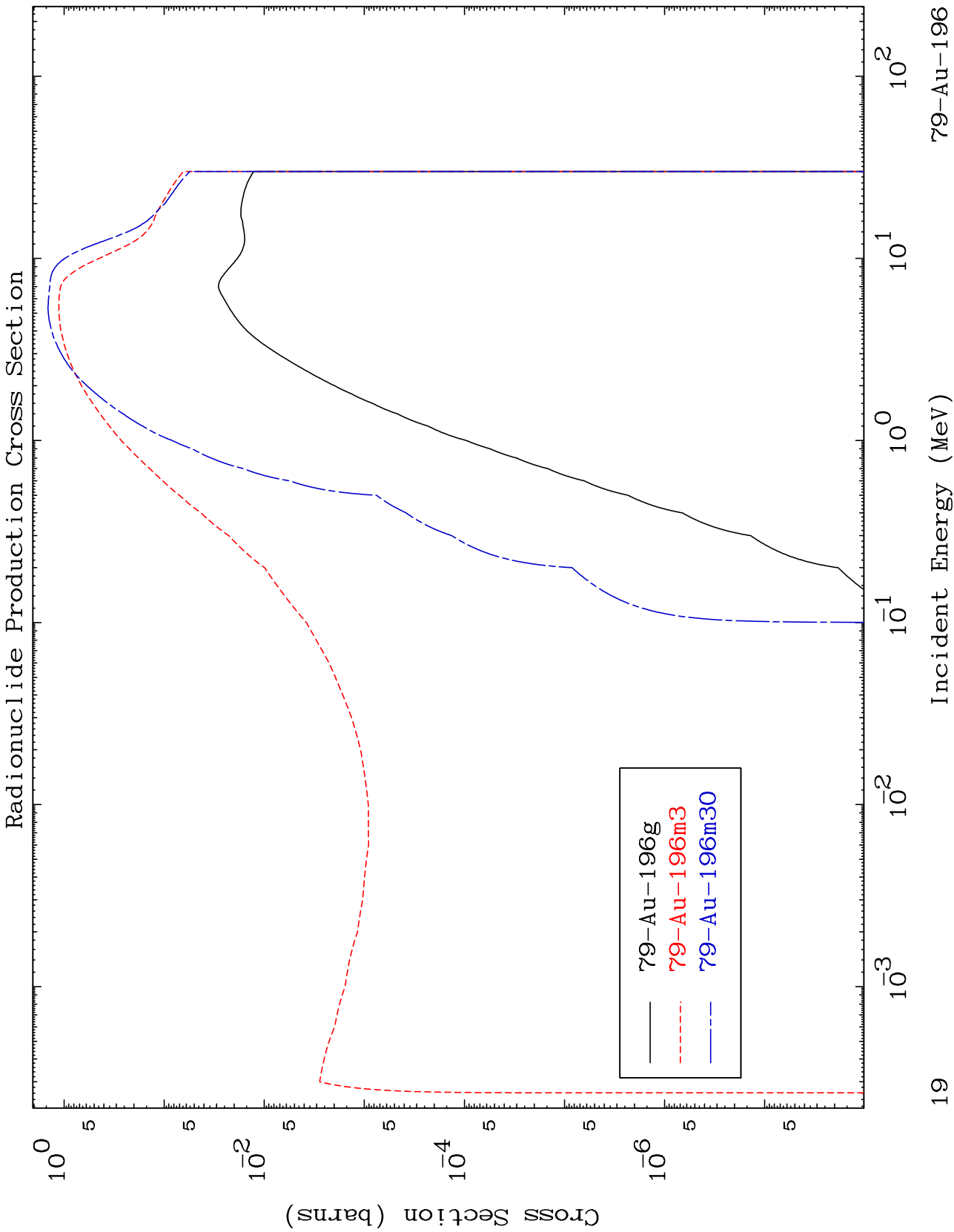
Incident Energy (MeV)

79-Au-196

MAT 7923

79-Au-196

Inelastic
Radionuclide Production Cross Section

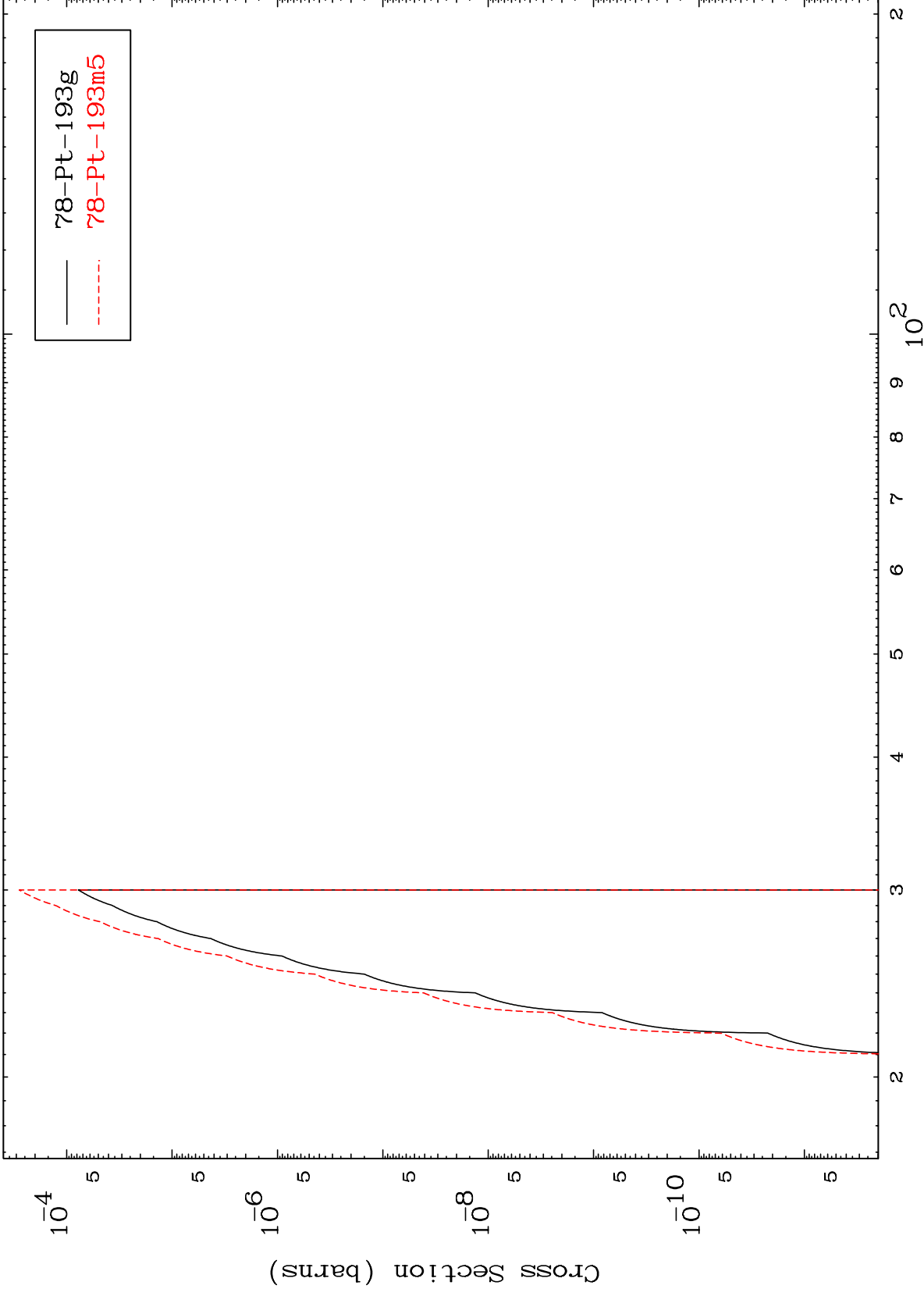


MAT 7923

(n,2n) d

79-Au-196

Radionuclide Production Cross Section



20

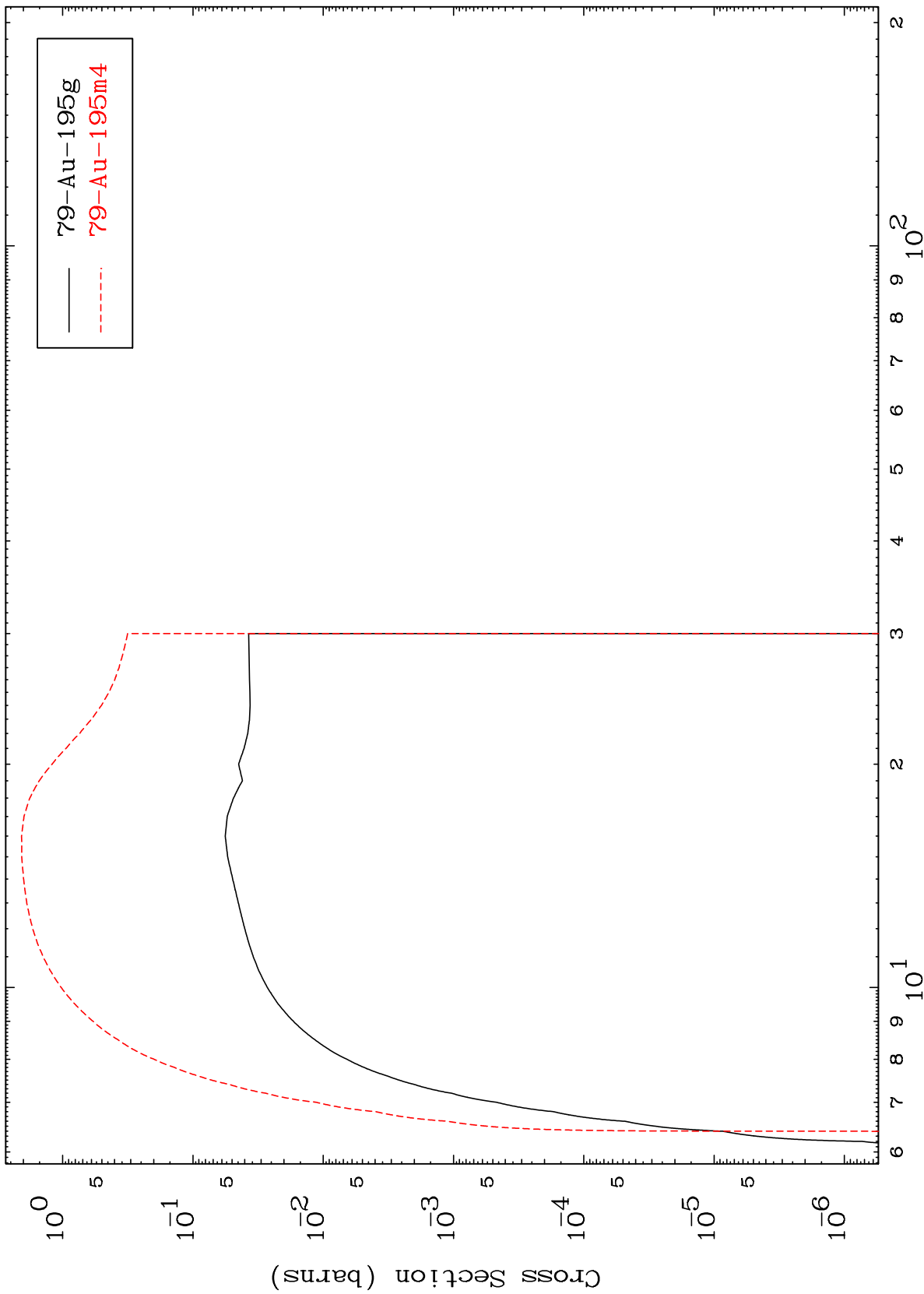
Incident Energy (MeV)

79-Au-196

MAT 7923

79-Au-196

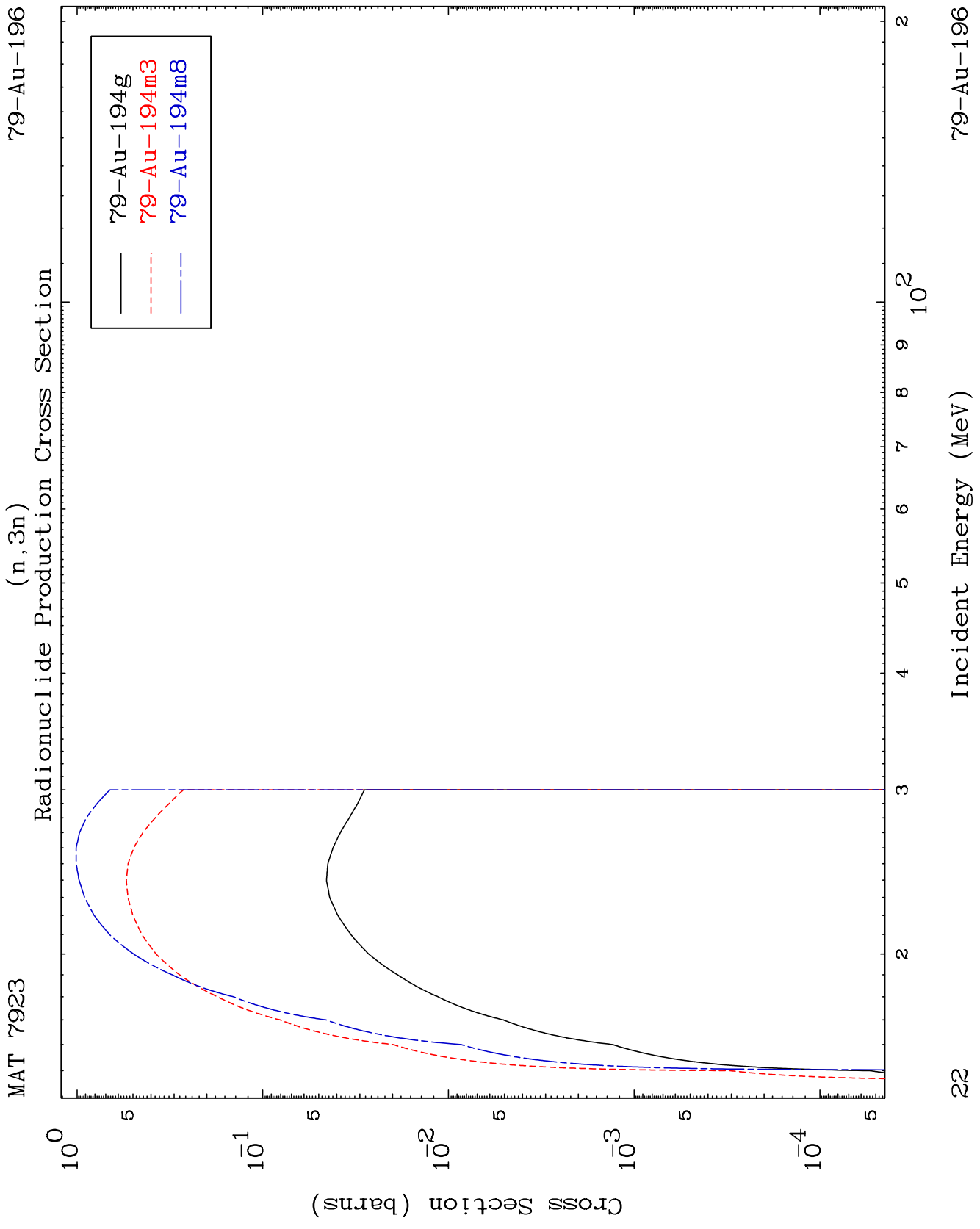
(n,2n)
Radionuclide Production Cross Section



21

Incident Energy (MeV)

79-Au-196

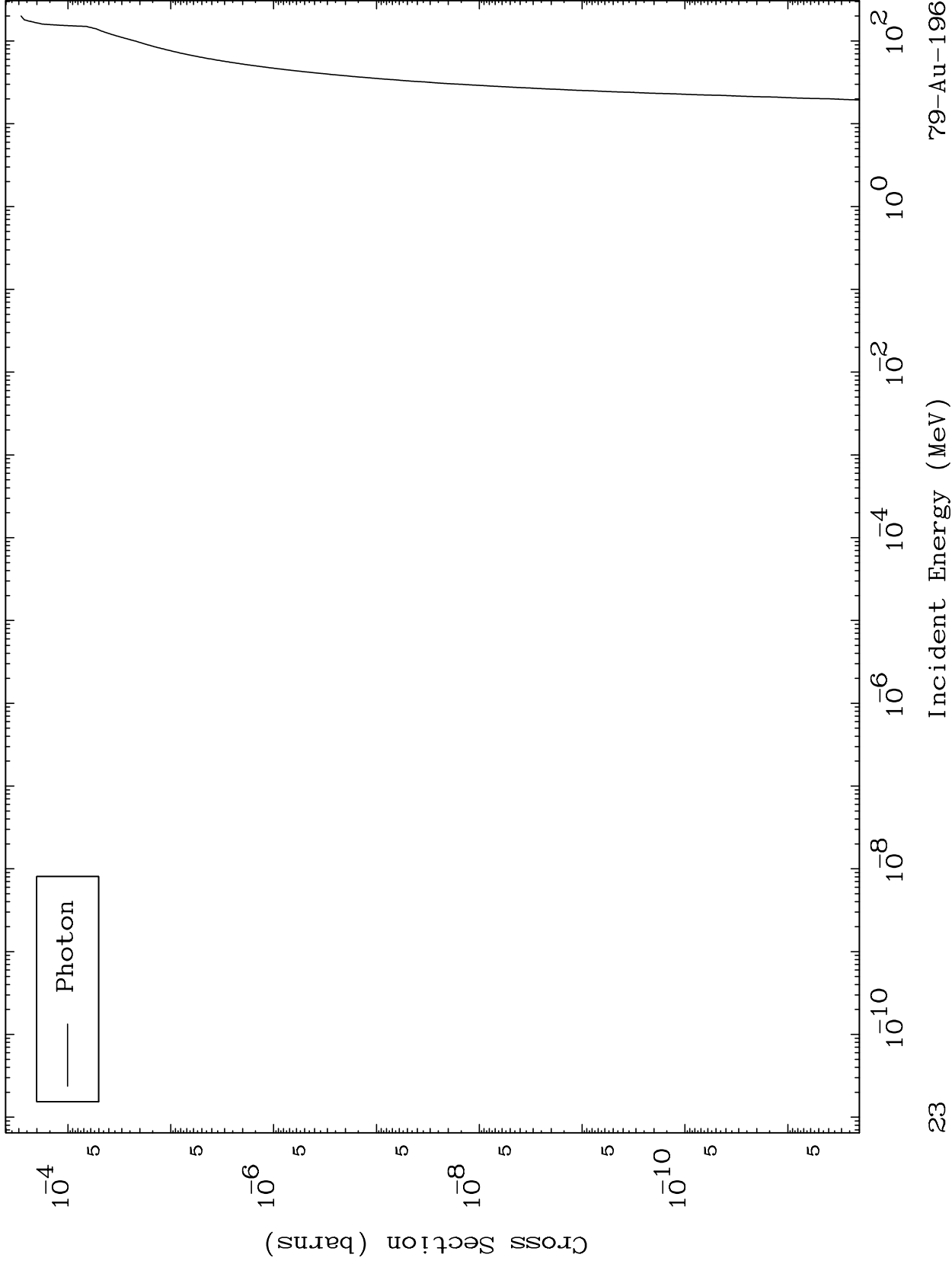


MAT 7923

Fission

79-Au-196

Radionuclide Production Cross Section

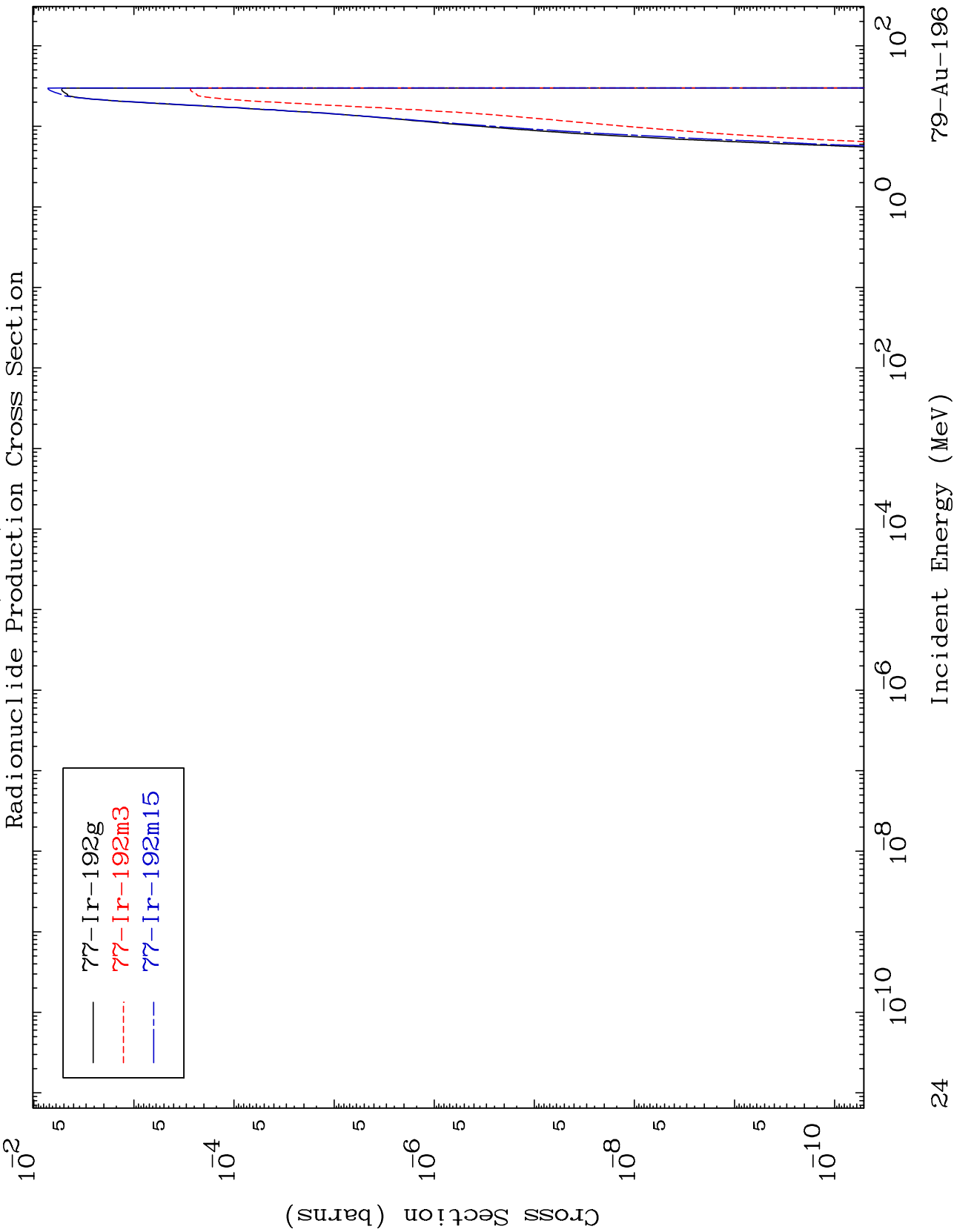


MAT 7923

$(n, n') \alpha$

79-Au-196

Radionuclide Production Cross Section

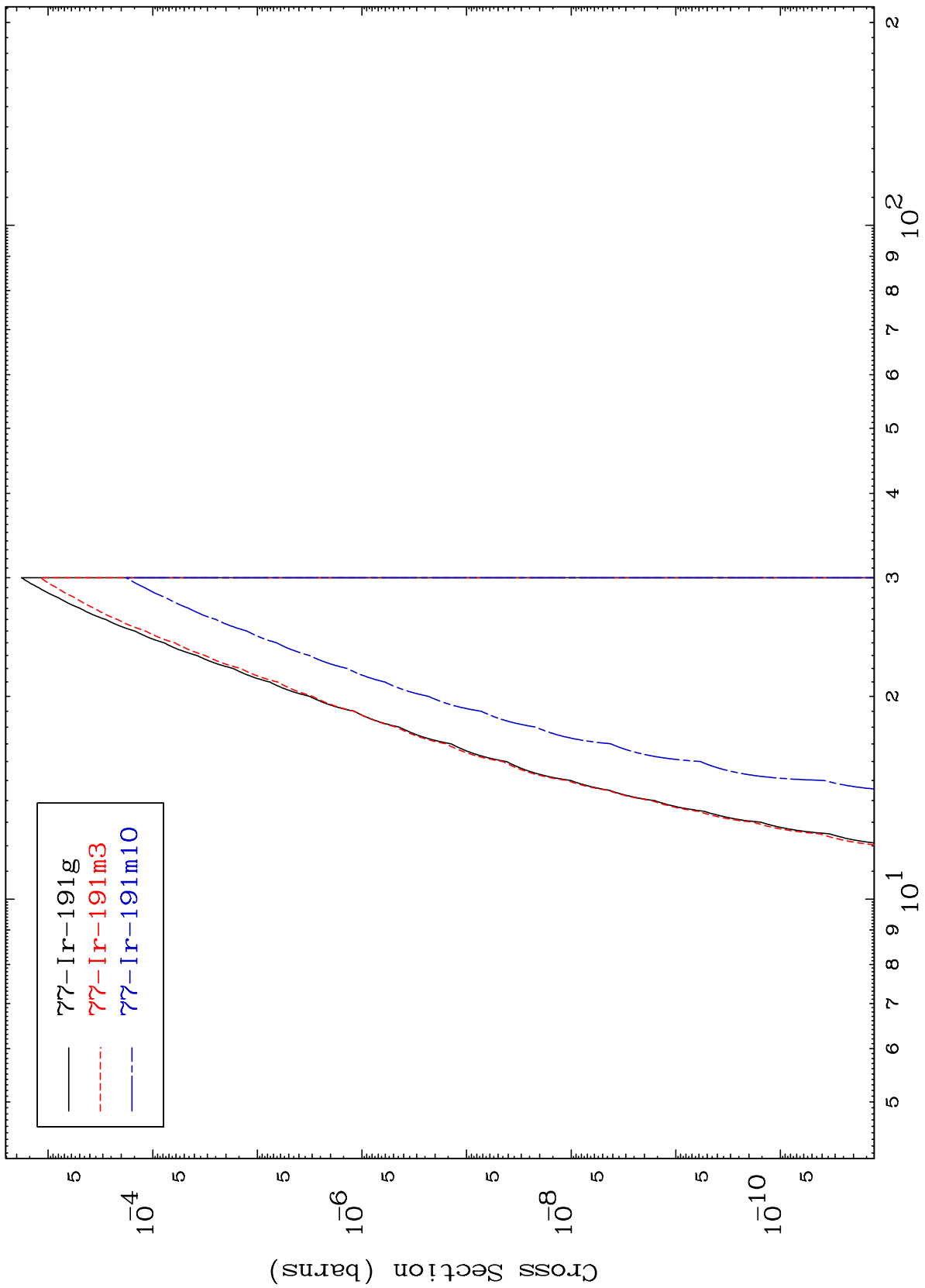


MAT 7923

$(n,2n) \alpha$

$^{79}\text{Au-196}$

Radionuclide Production Cross Section

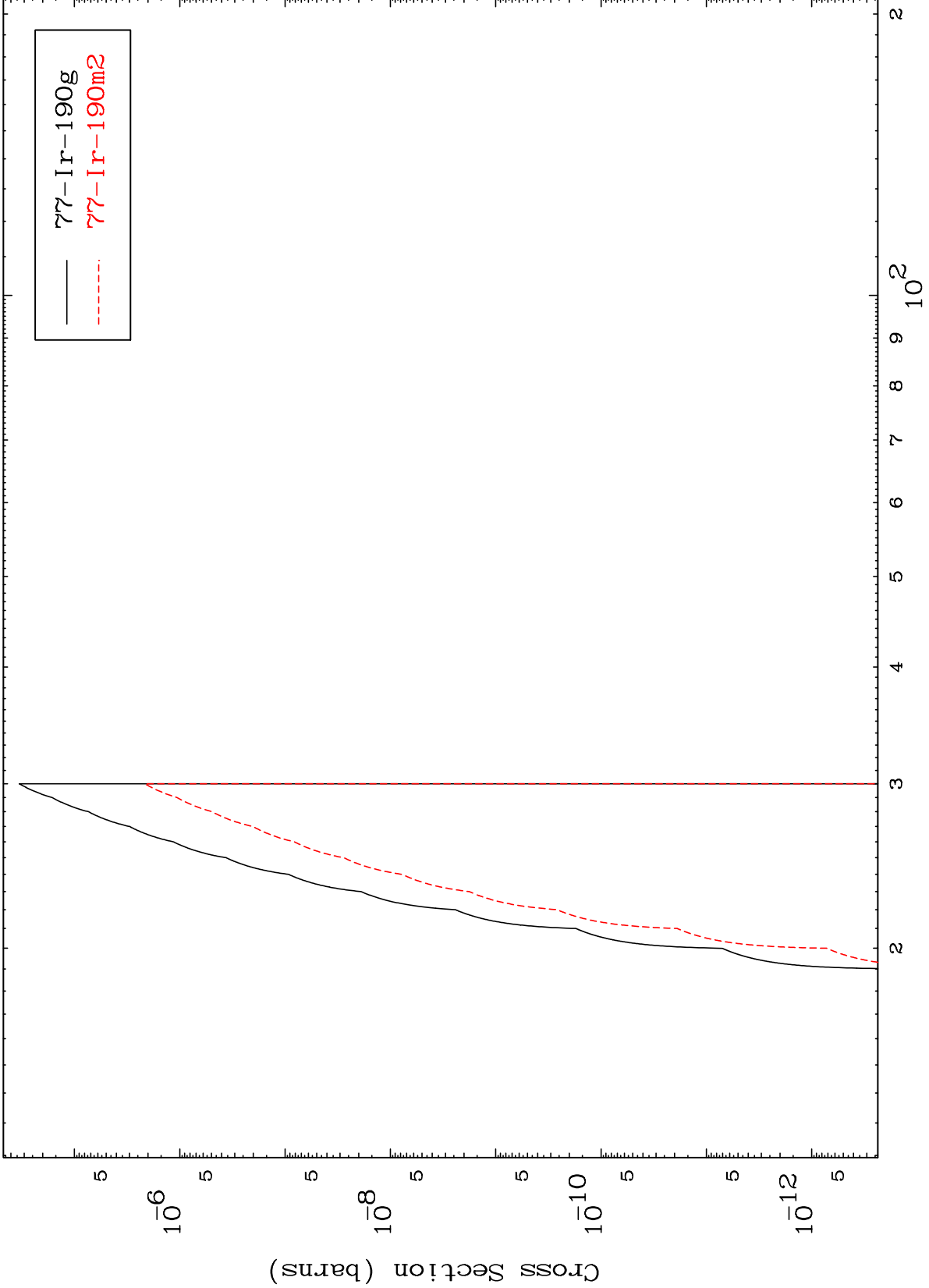


25

Incident Energy (MeV)

$^{79}\text{Au-196}$

Radionuclide Production Cross Section



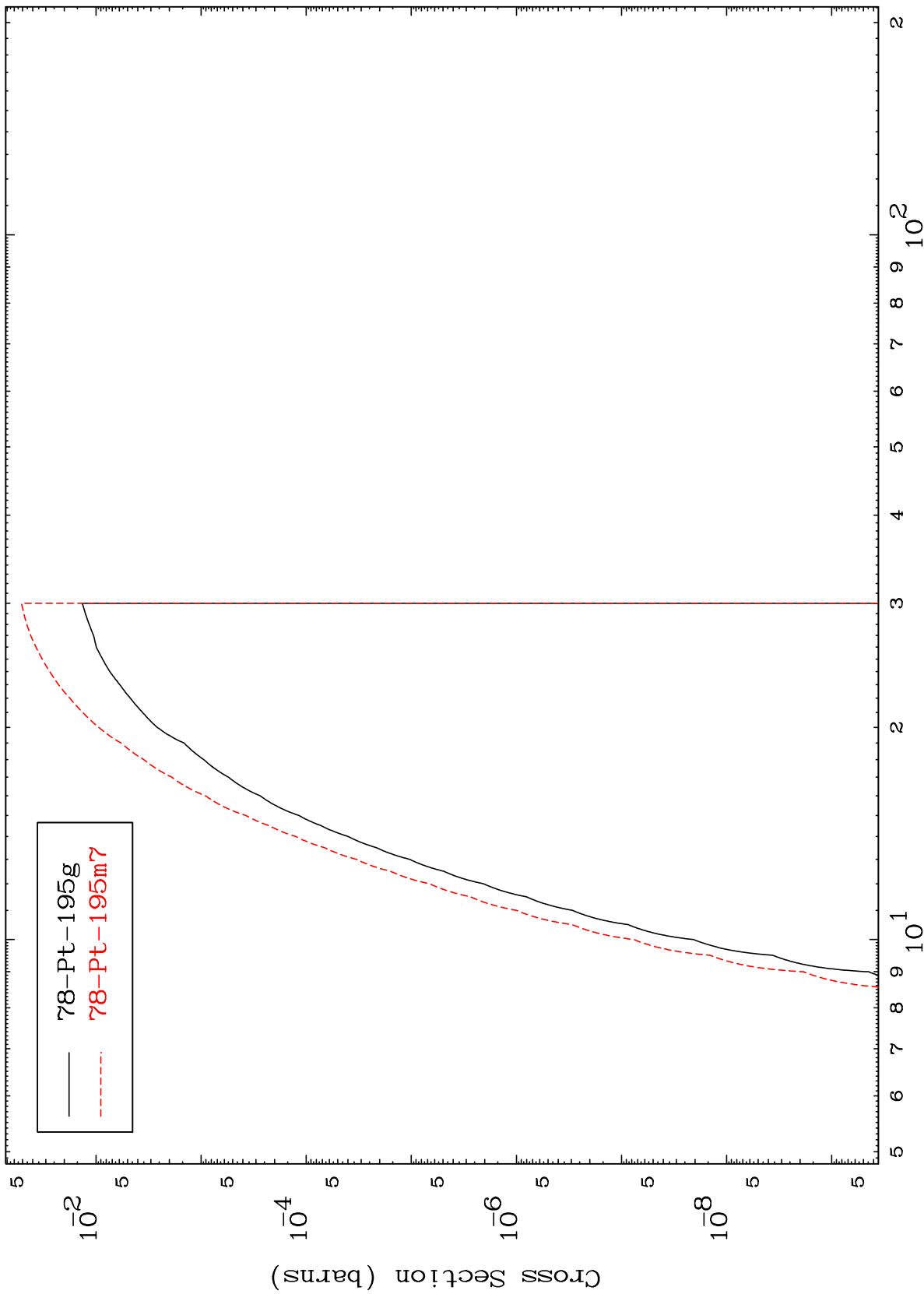
77-Ir-190g
77-Ir-190m2

MAT 7923

(n,n') p

79-Au-196

Radionuclide Production Cross Section



78-Pt-195g
78-Pt-195m7

27

Incident Energy (MeV)

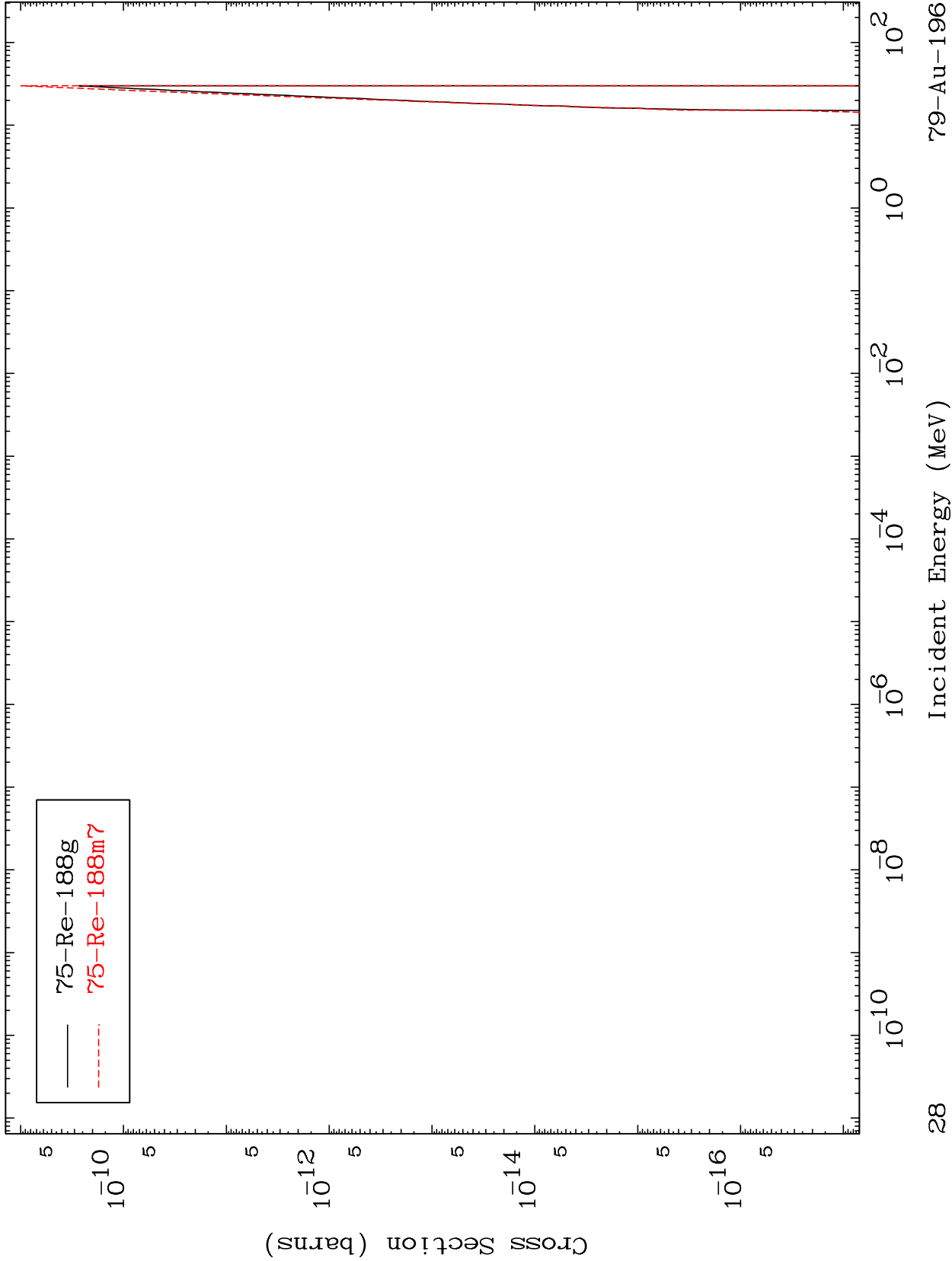
79-Au-196

MAT 7923

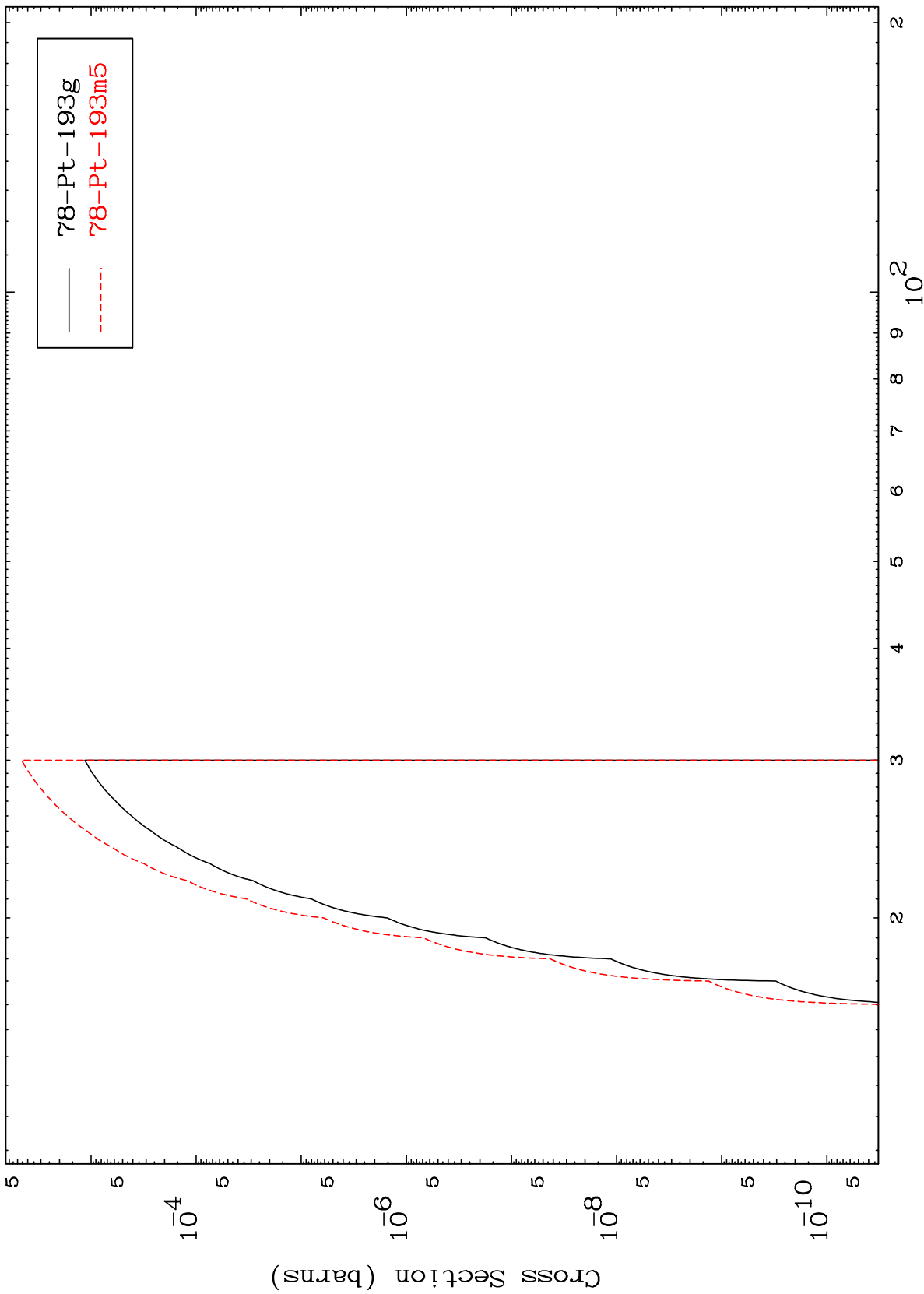
(n,n') 2α

79-Au-196

Radionuclide Production Cross Section



Radionuclide Production Cross Section

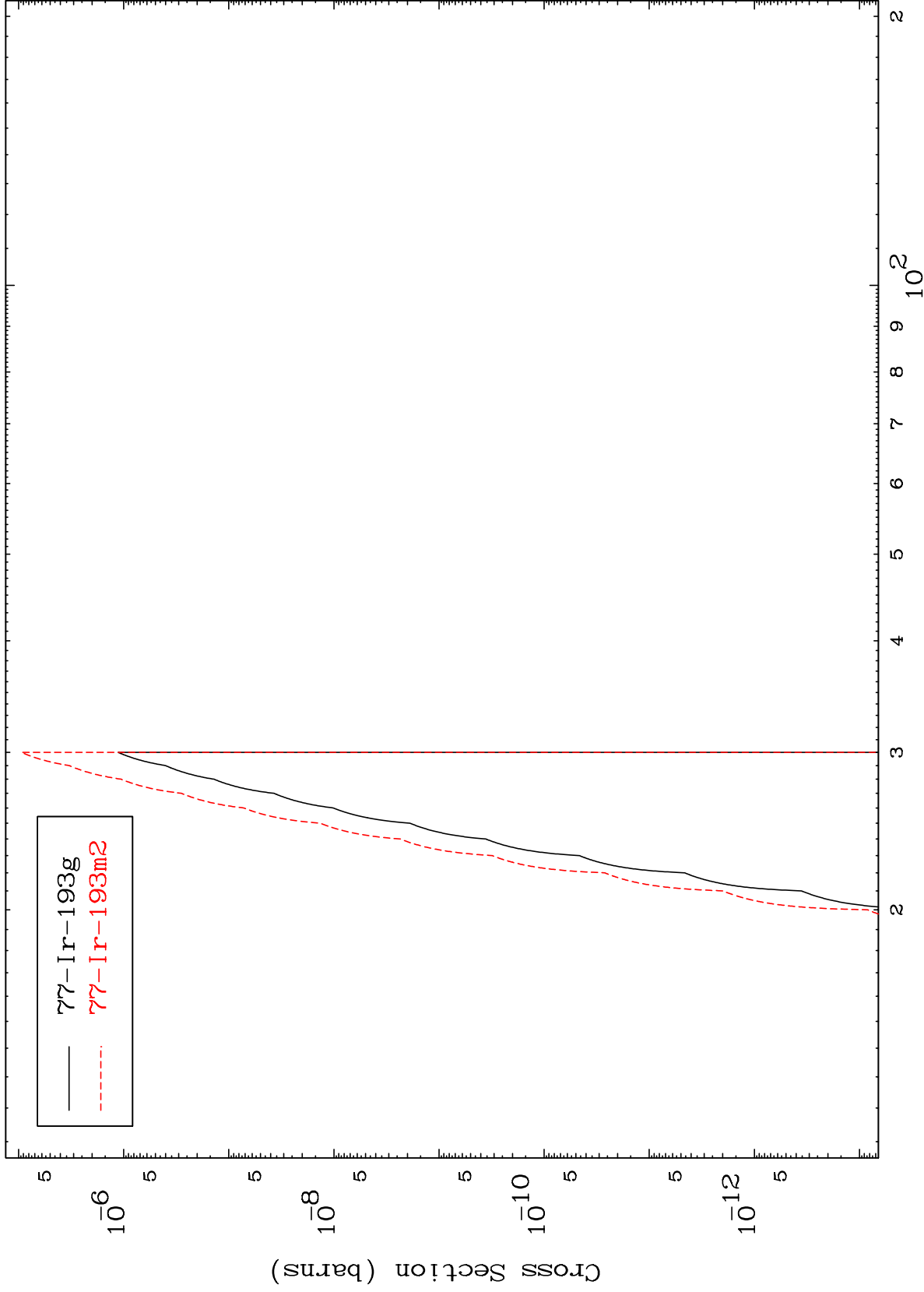


MAT 7923

(n,n') He-3

79-Au-196

Radionuclide Production Cross Section



30

Incident Energy (MeV)

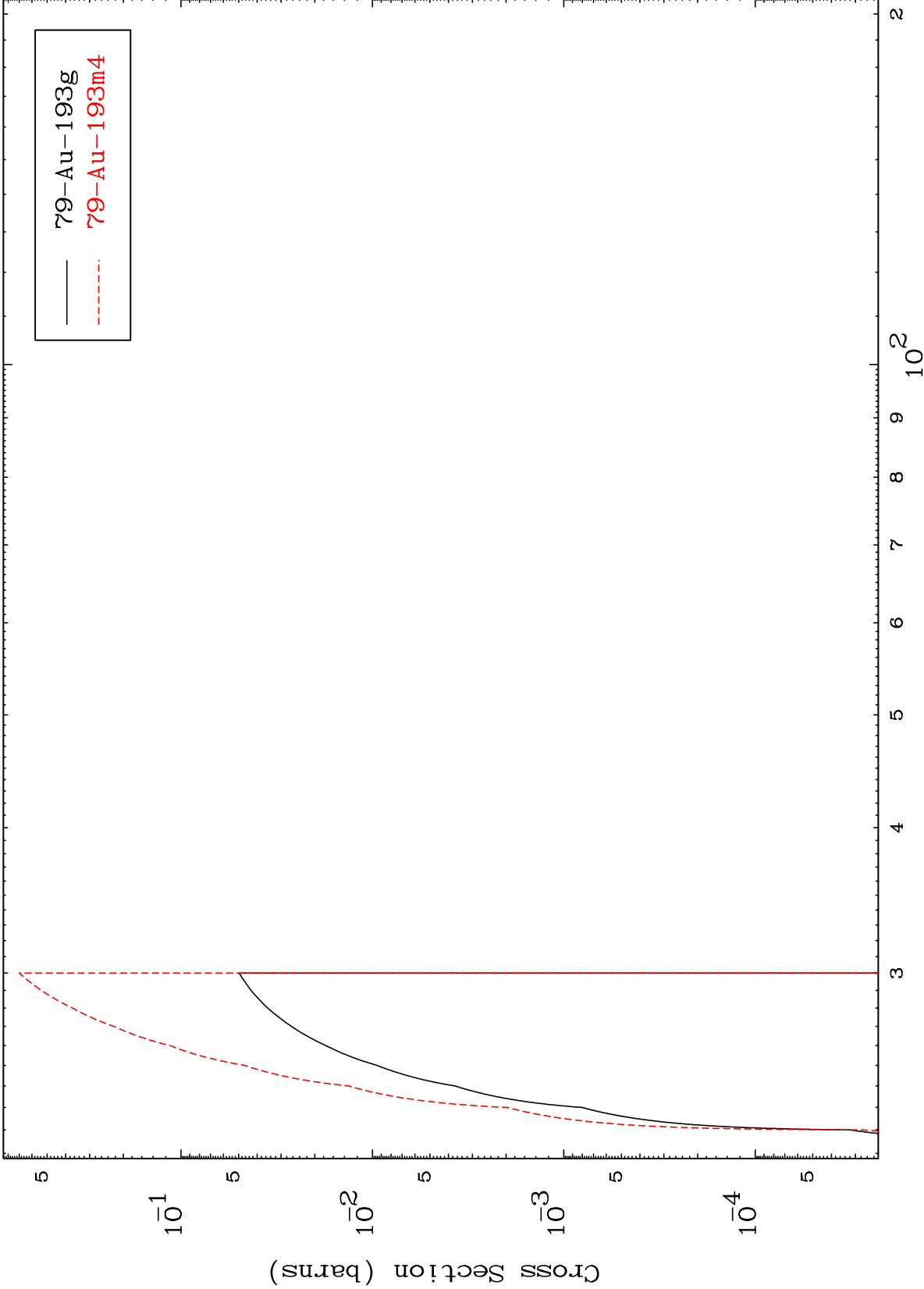
79-Au-196

MAT 7923

(n,4n)

79-Au-196

Radionuclide Production Cross Section

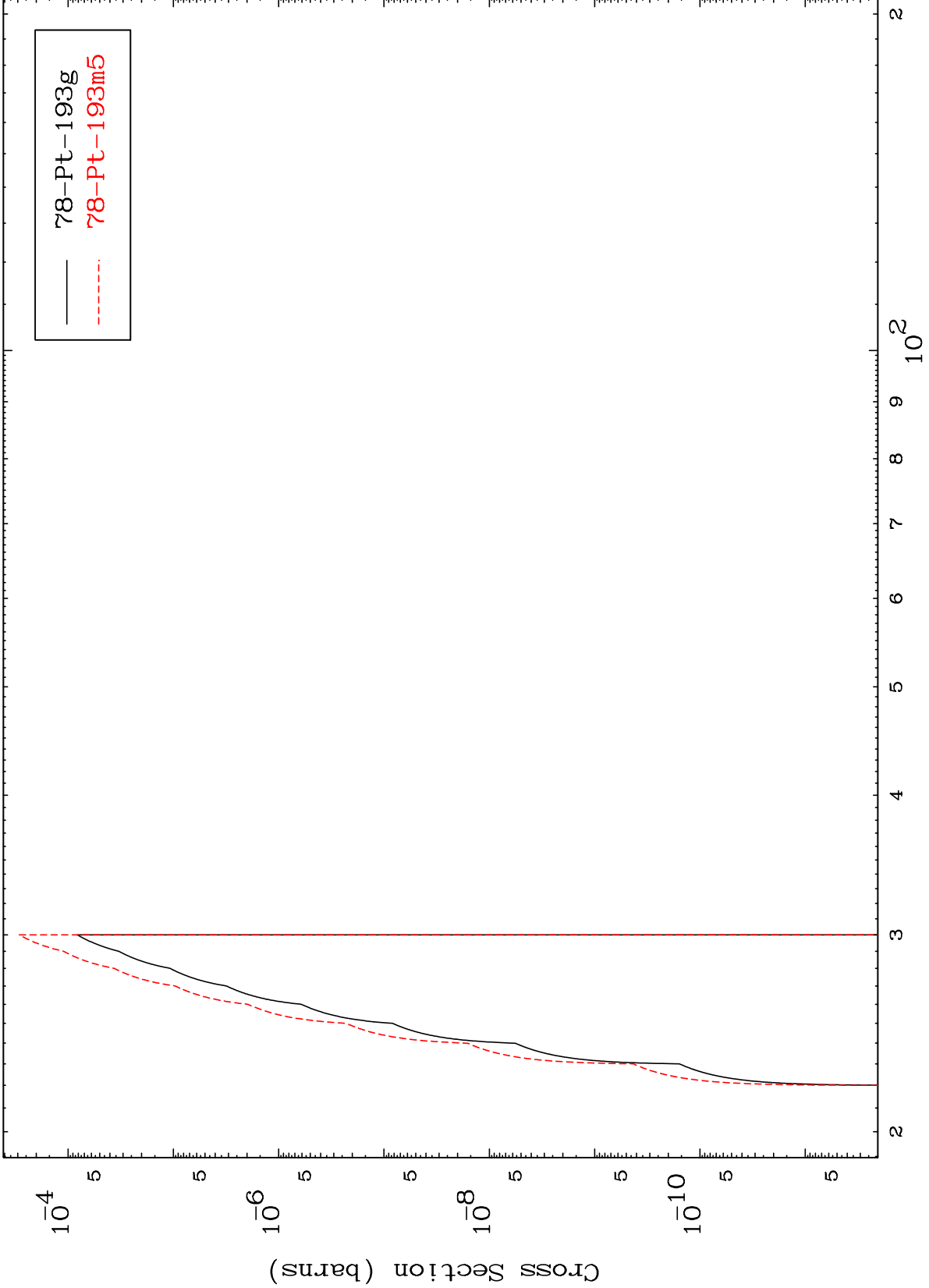


MAT 7923

(n,3n) p

79-Au-196

Radionuclide Production Cross Section



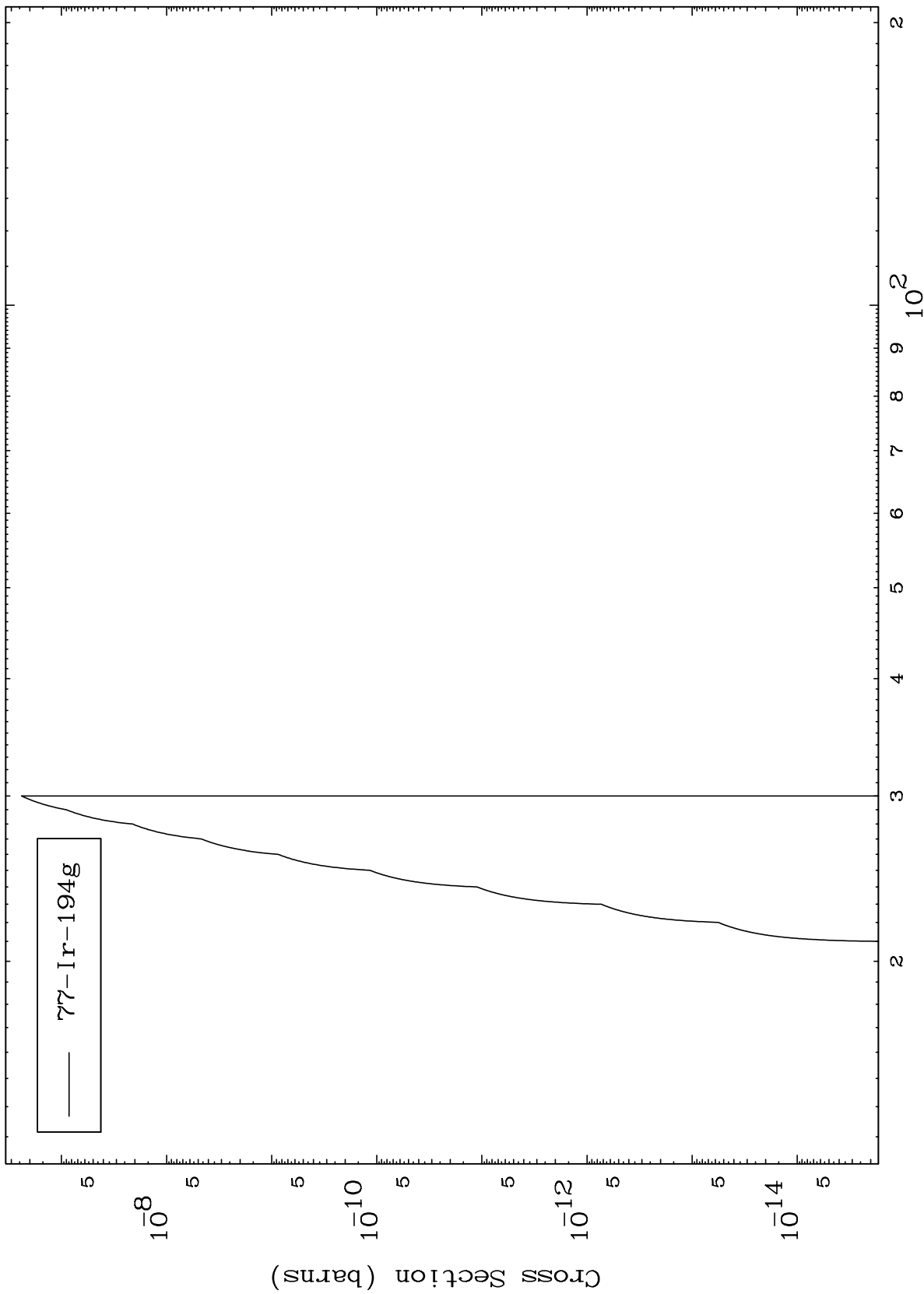
78-Pt-193g
78-Pt-193m5

32

Incident Energy (MeV)

79-Au-196

Radionuclide Production Cross Section

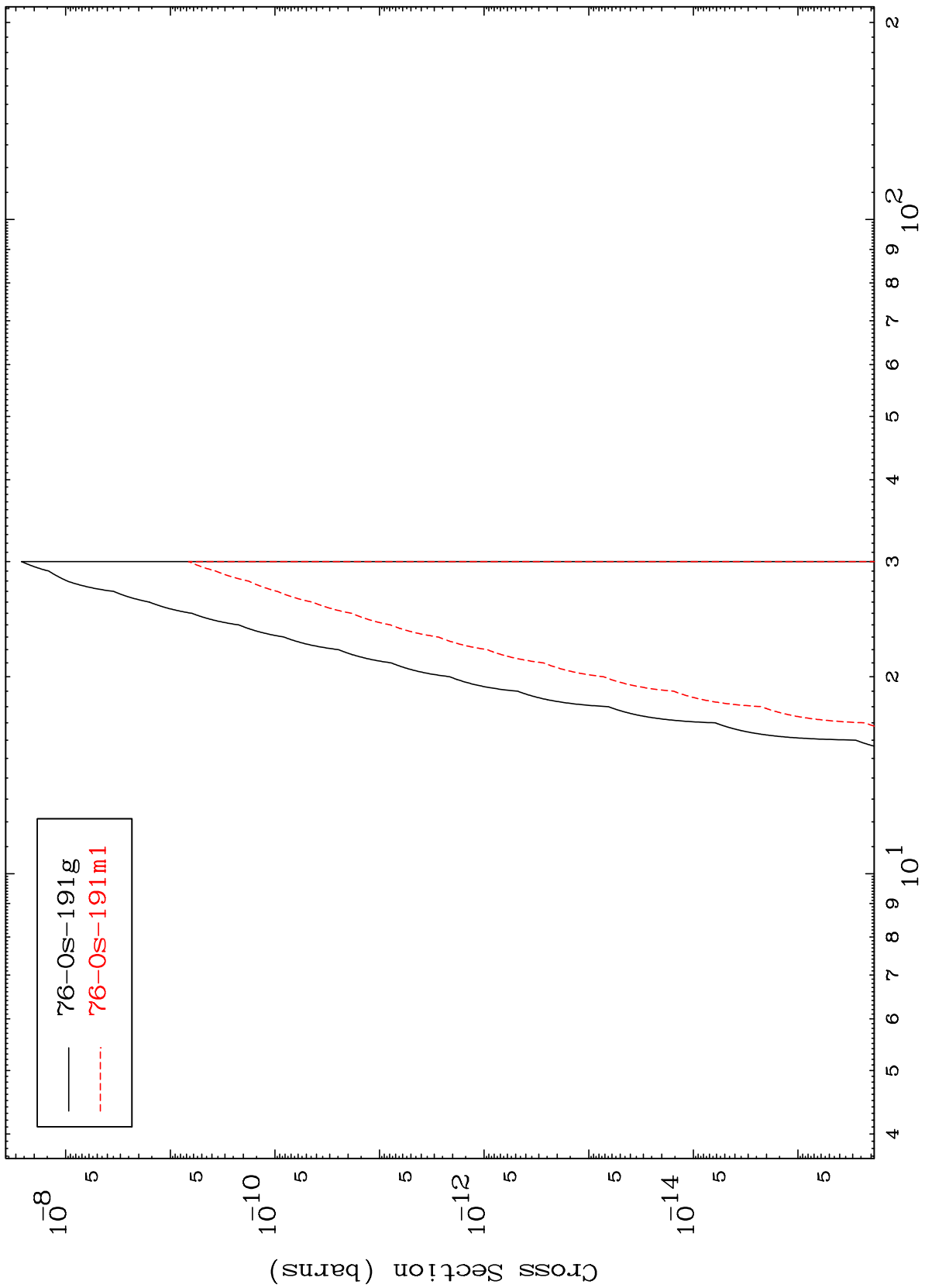


MAT 7923

(n,n') p α

79-Au-196

Radionuclide Production Cross Section

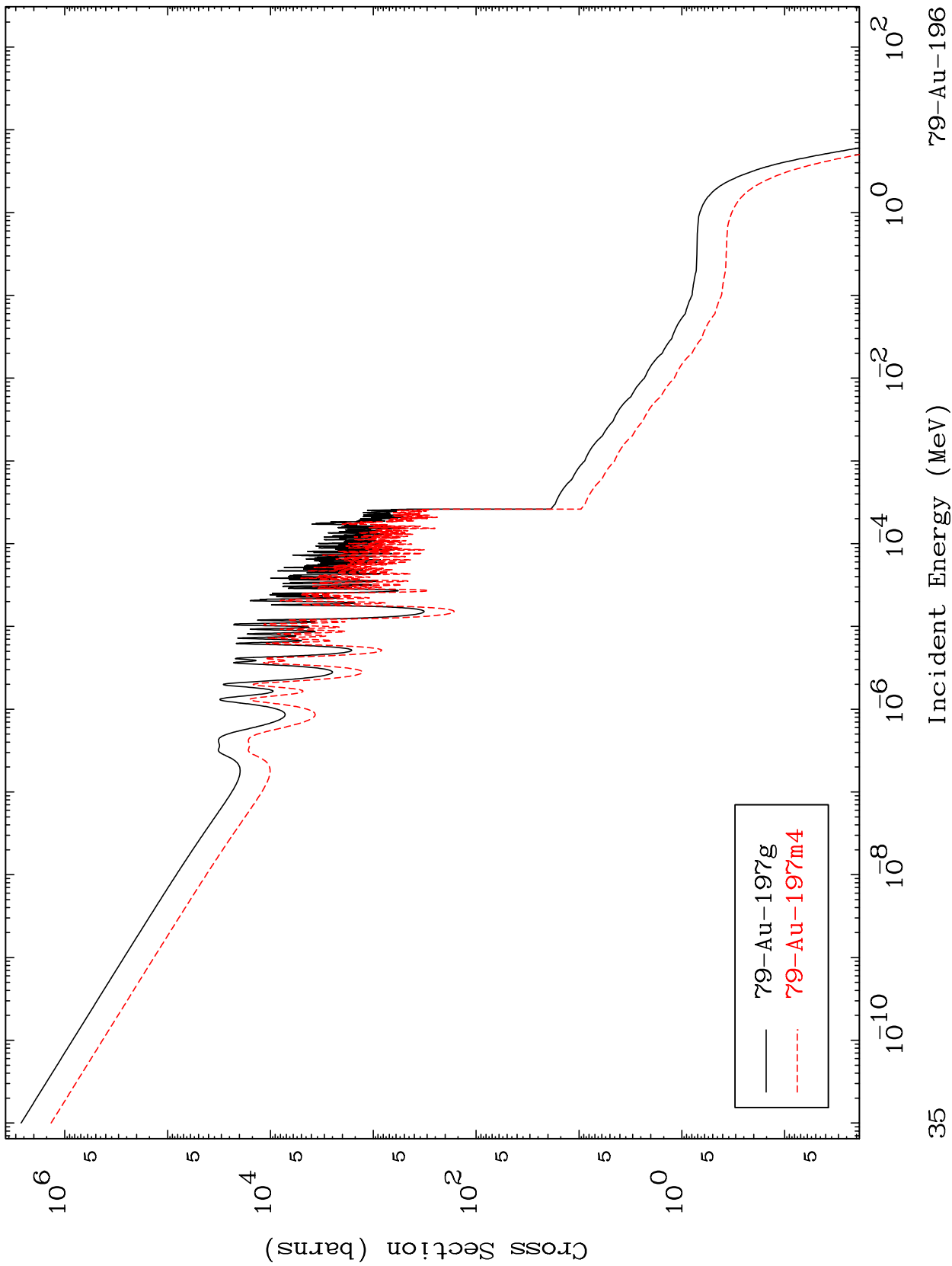


— 76-Os-191g
- - - 76-Os-191m1

MAT 7923

79-Au-196

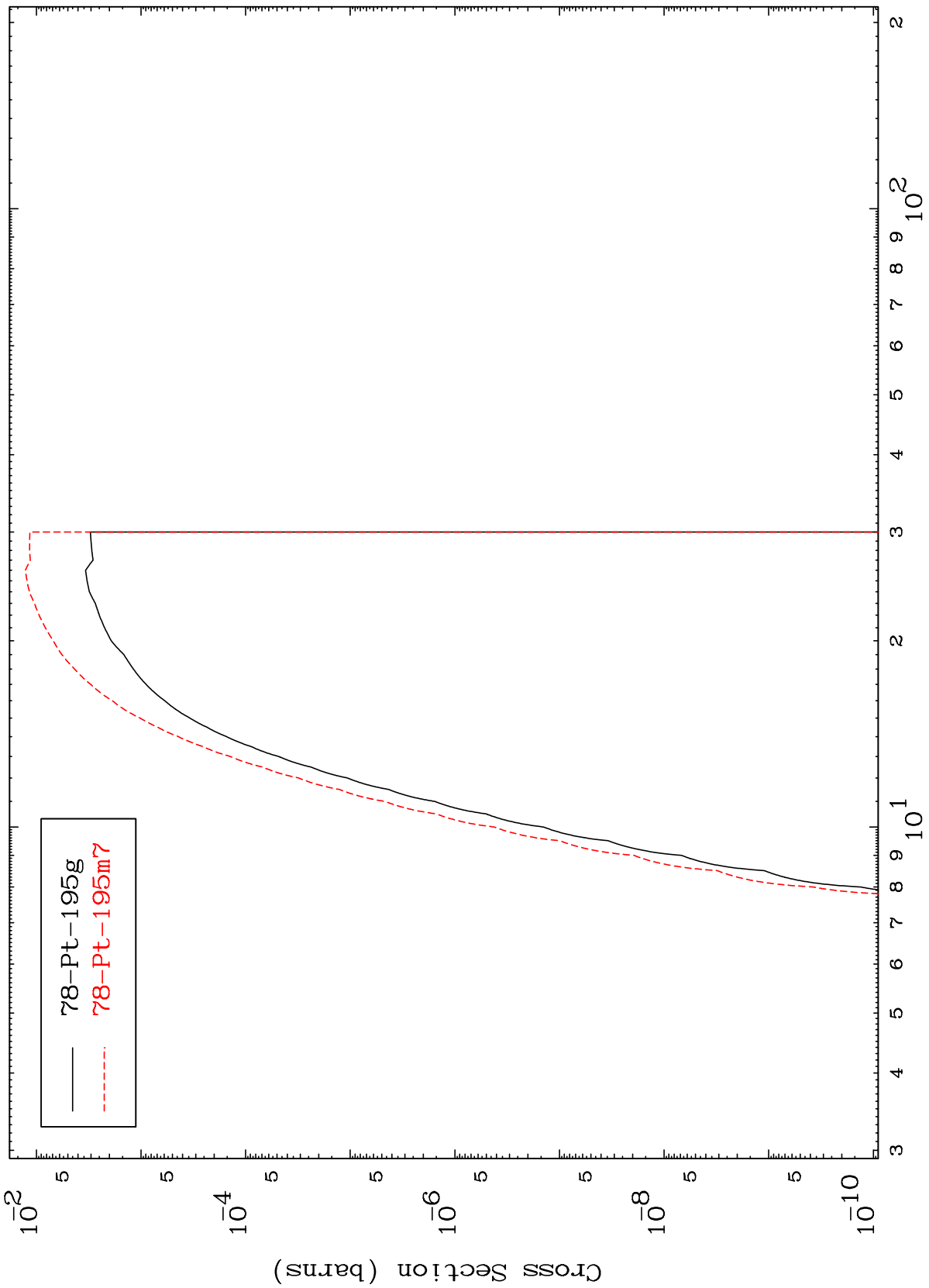
(n,γ)
Radionuclide Production Cross Section



MAT 7923

79-Au-196

(n,d)
Radionuclide Production Cross Section



36

Incident Energy (MeV)

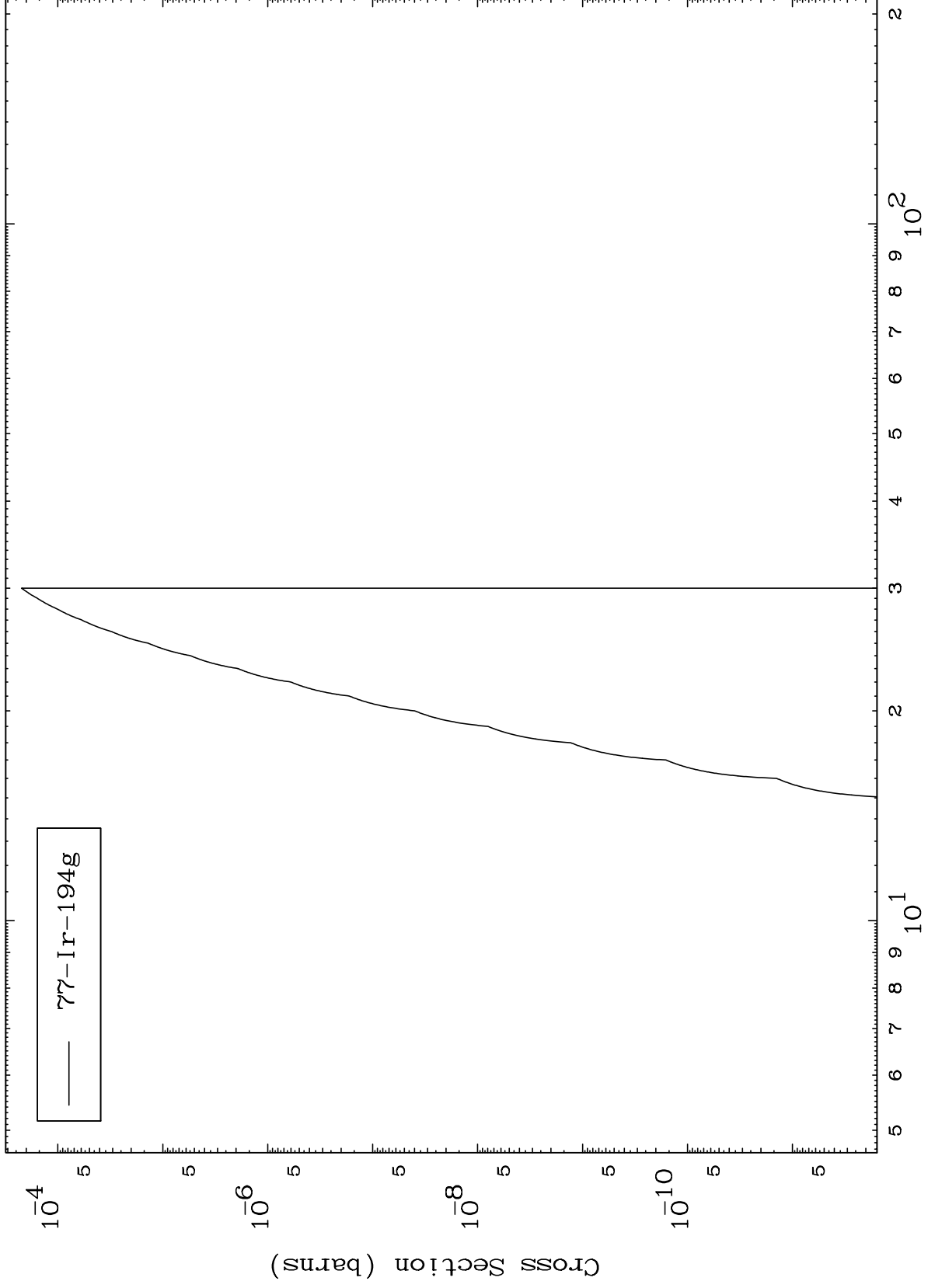
79-Au-196

MAT 7923

(n,He-3)

79-Au-196

Radionuclide Production Cross Section



37

Incident Energy (MeV)

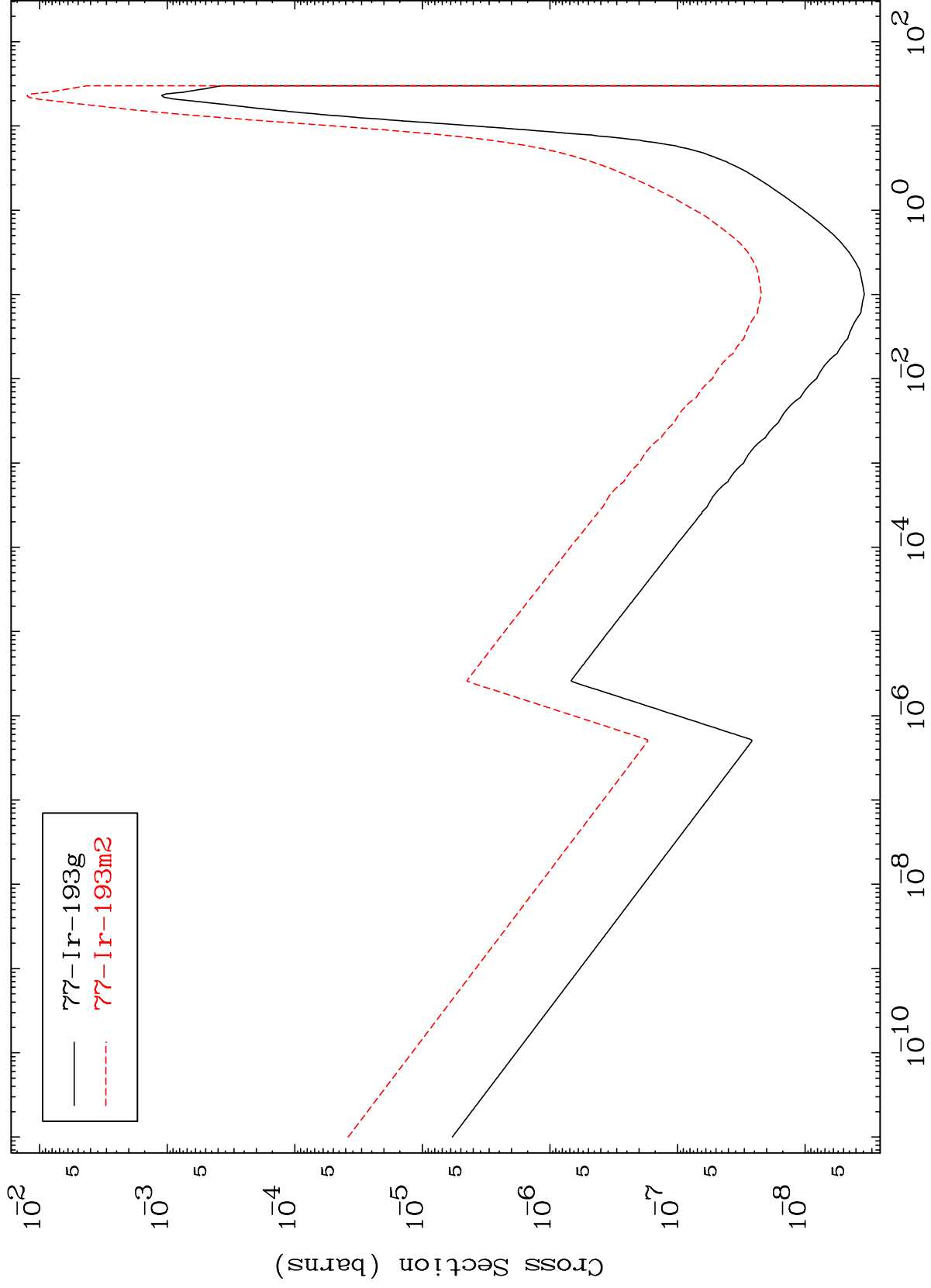
79-Au-196

MAT 7923

(n, α)

79-Au-196

Radionuclide Production Cross Section



38

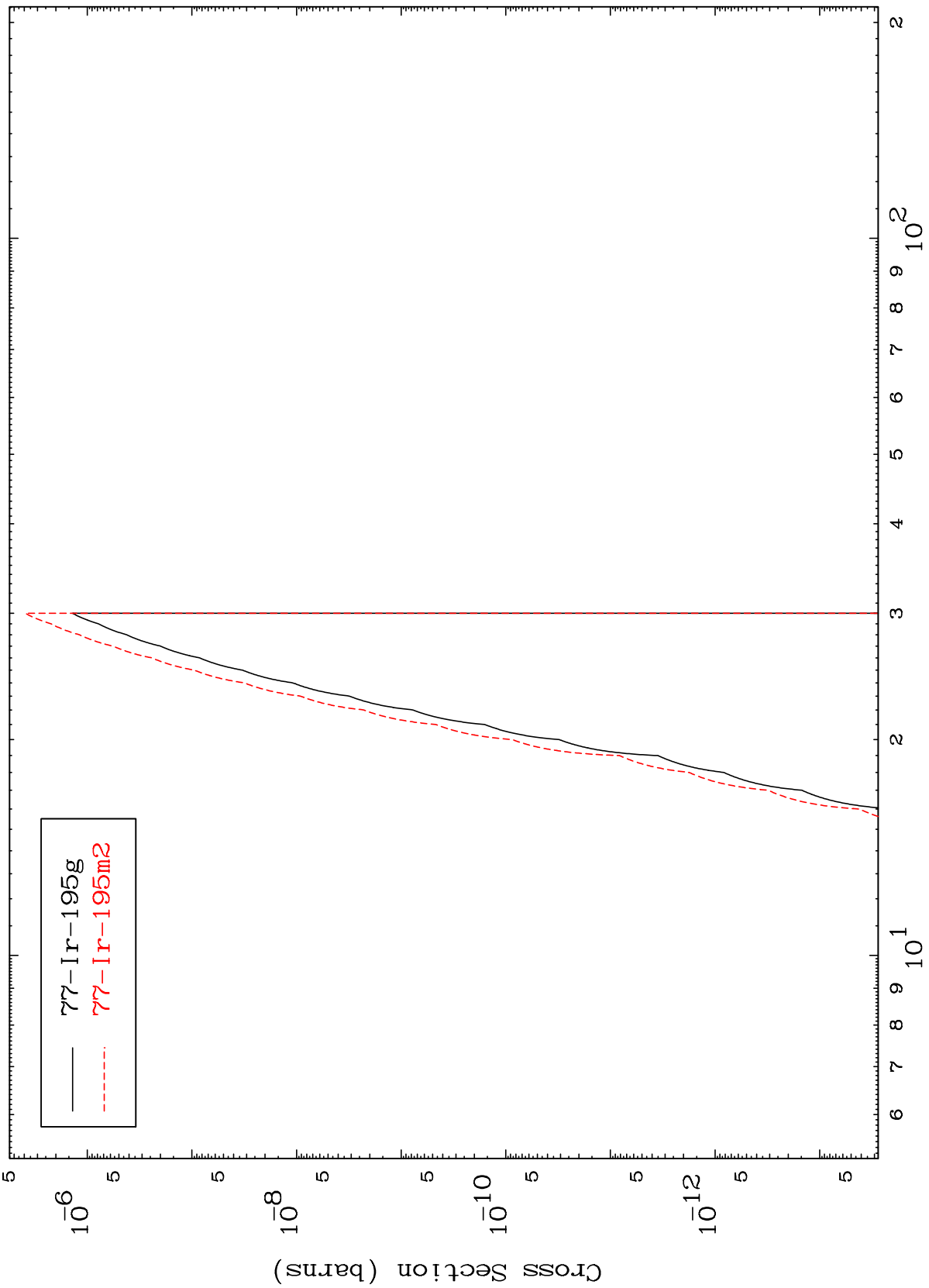
Incident Energy (MeV)

79-Au-196

MAT 7923

79-Au-196

(n,2p)
Radionuclide Production Cross Section



— 77-Ir-195g
- - - 77-Ir-195m2

39

Incident Energy (MeV)

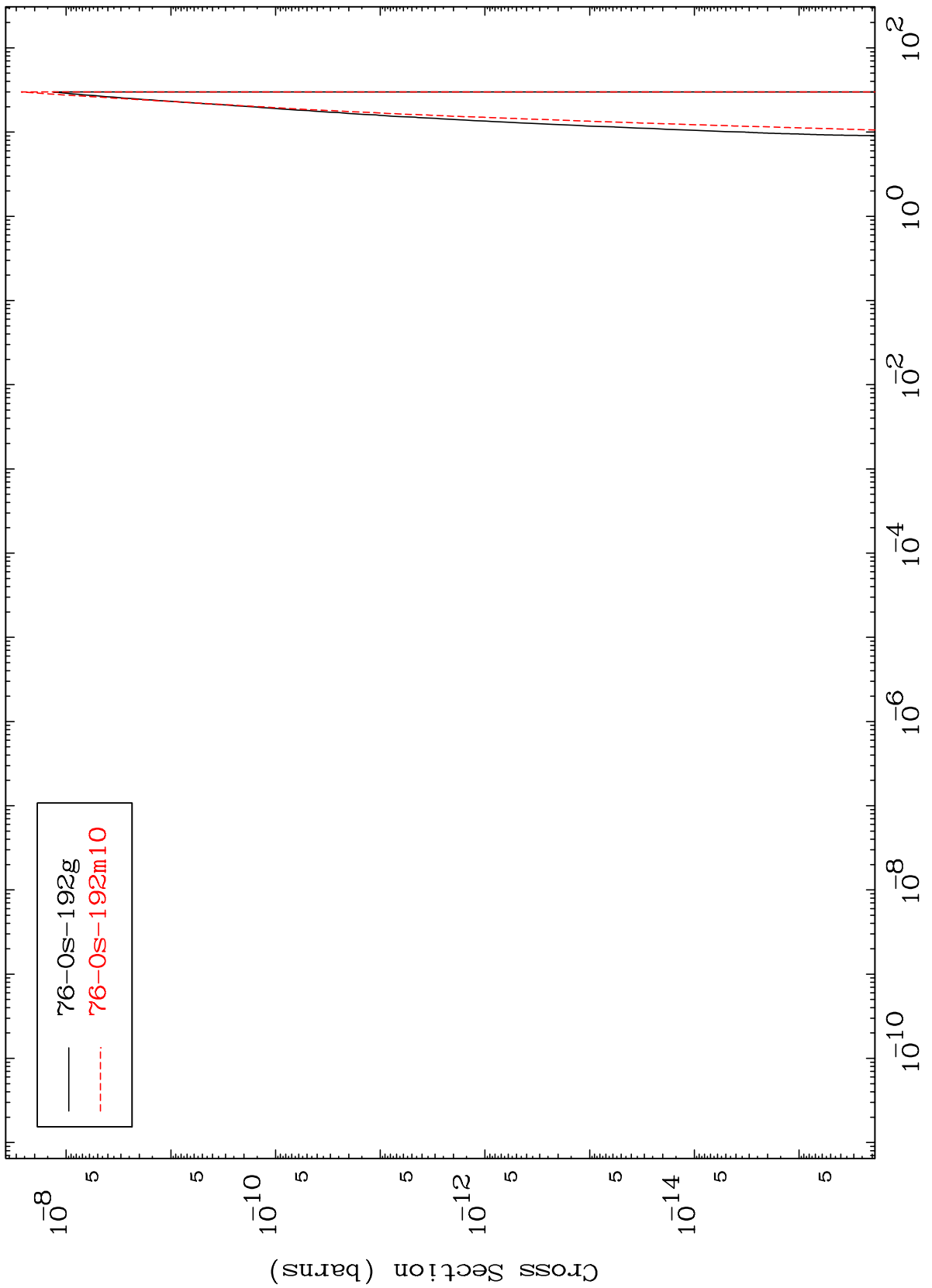
79-Au-196

MAT 7923

(n,p) α

79-Au-196

Radionuclide Production Cross Section



40

Incident Energy (MeV)

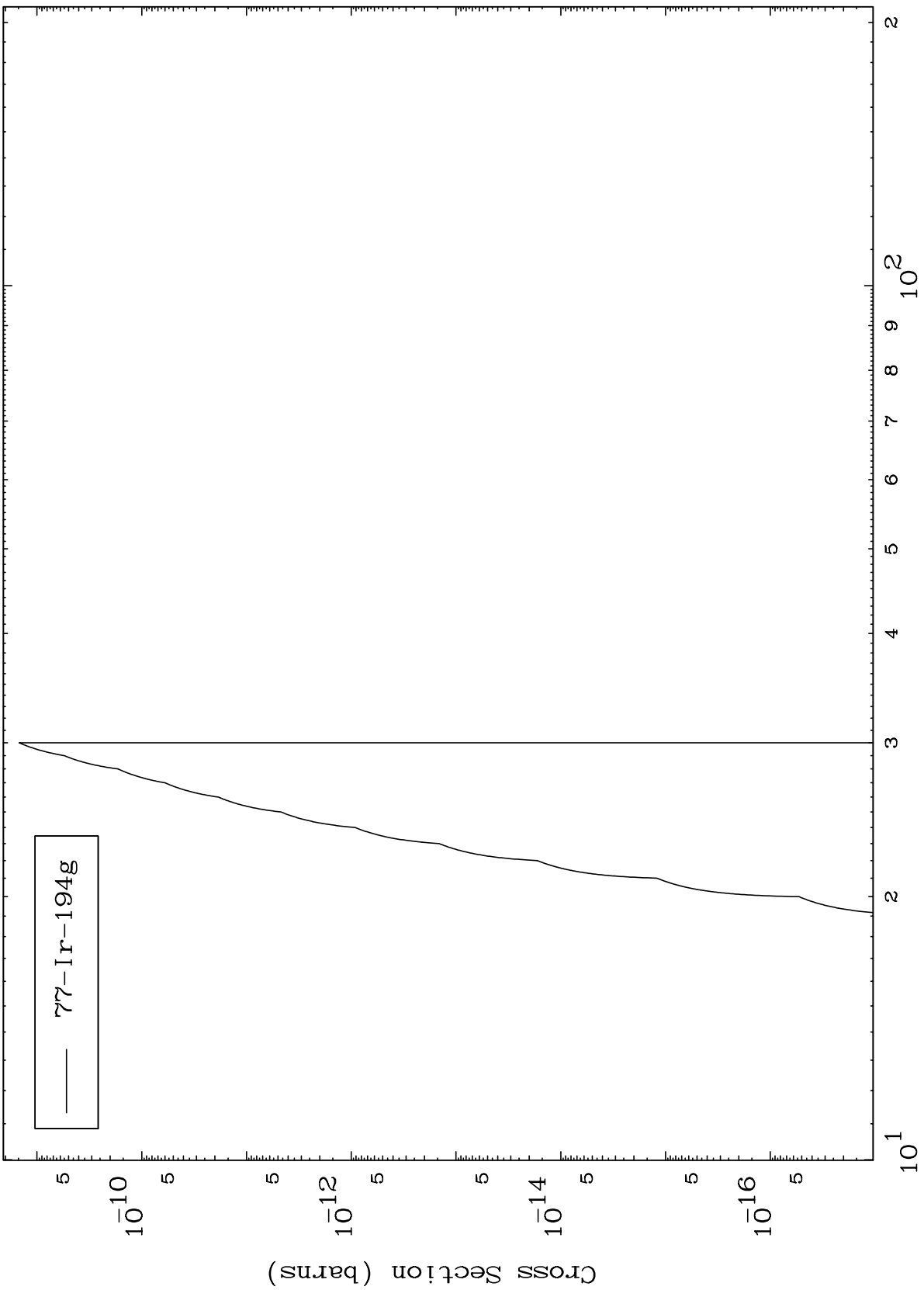
79-Au-196

MAT 7923

(n,p) d

79-Au-196

Radionuclide Production Cross Section



41

Incident Energy (MeV)

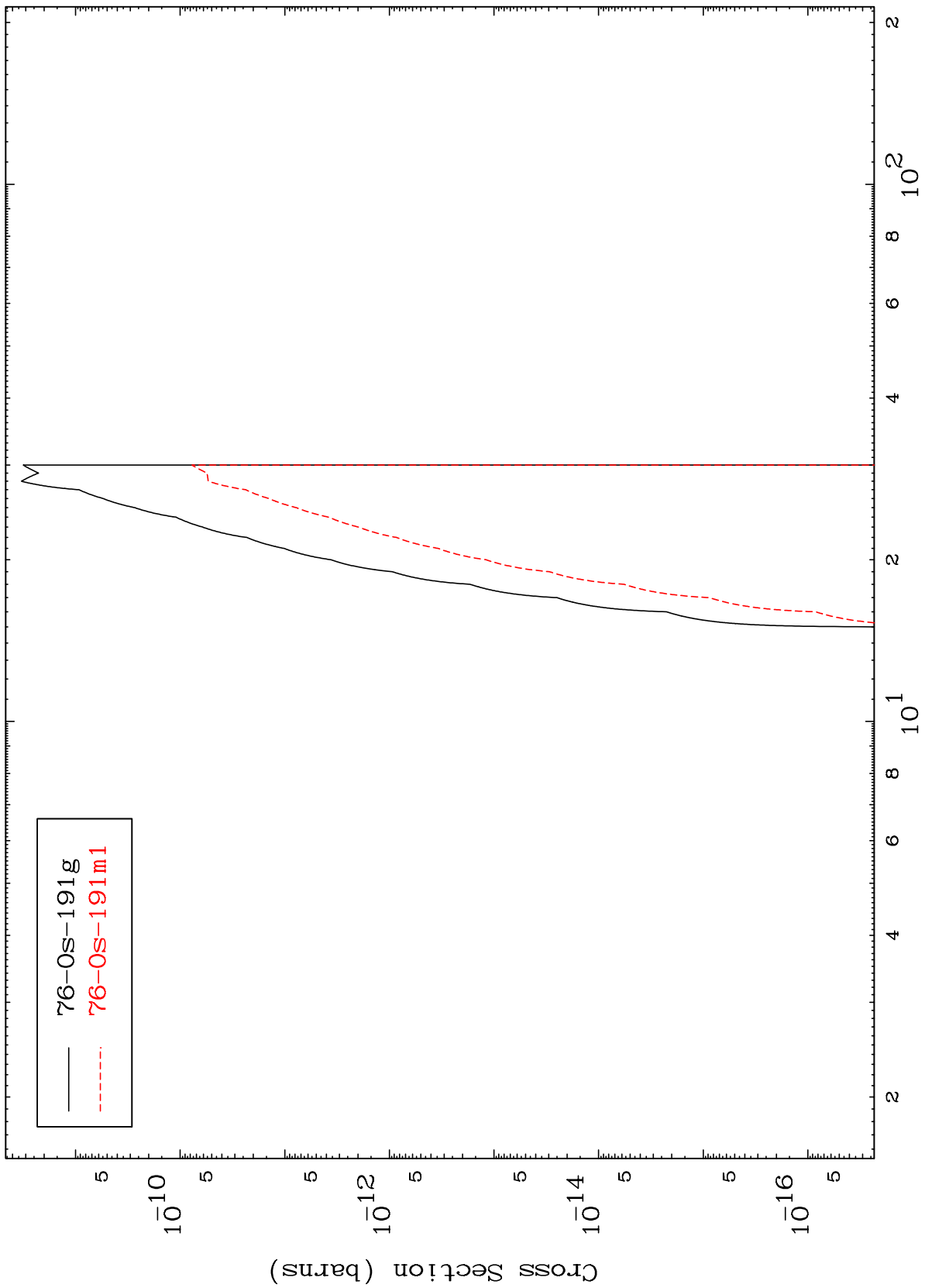
79-Au-196

MAT 7923

(n,d) α

79-Au-196

Radionuclide Production Cross Section



76-Os-191g
76-Os-191m1