

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

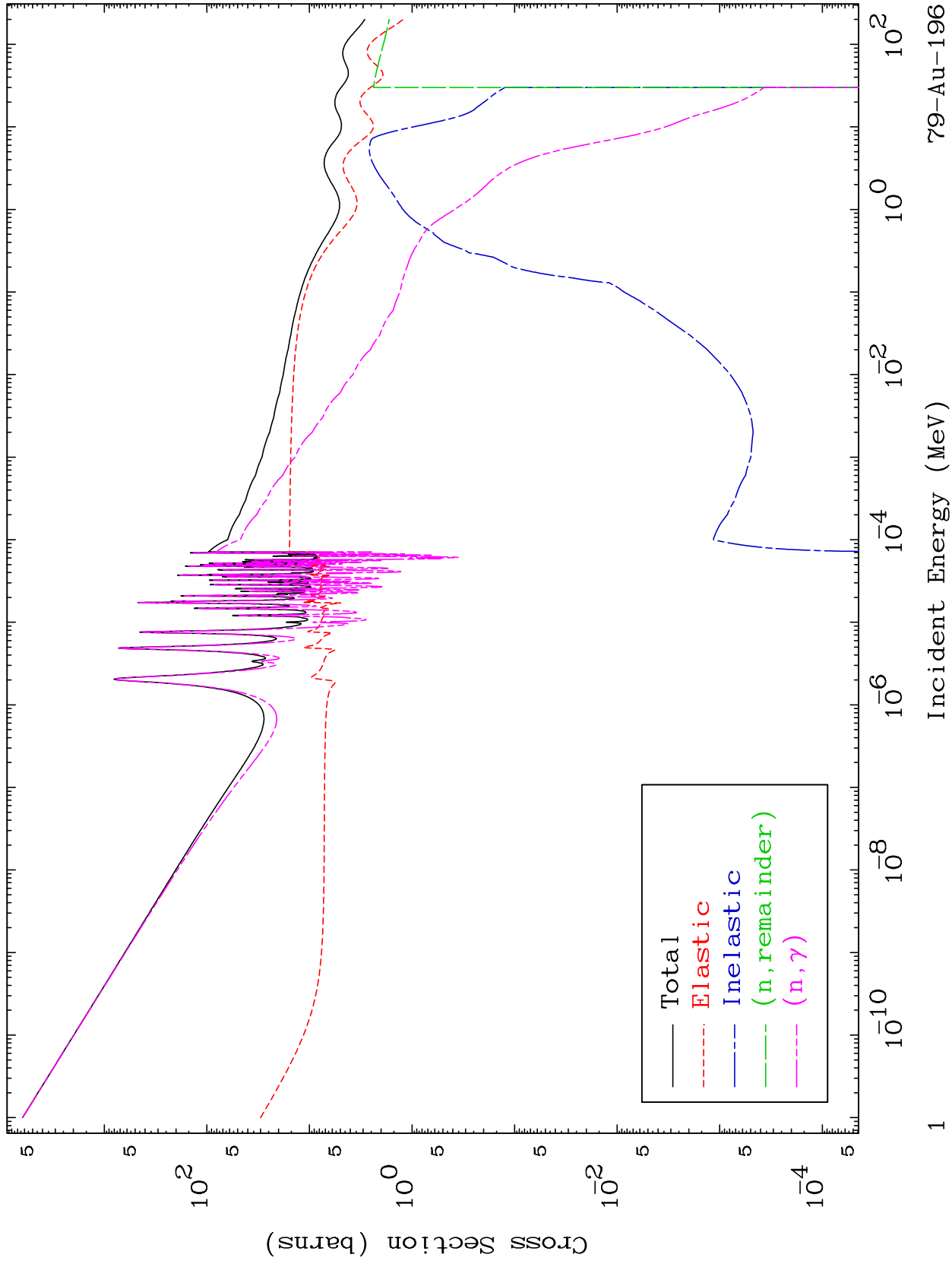
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7923

Major
293 Kelvin Cross Sections

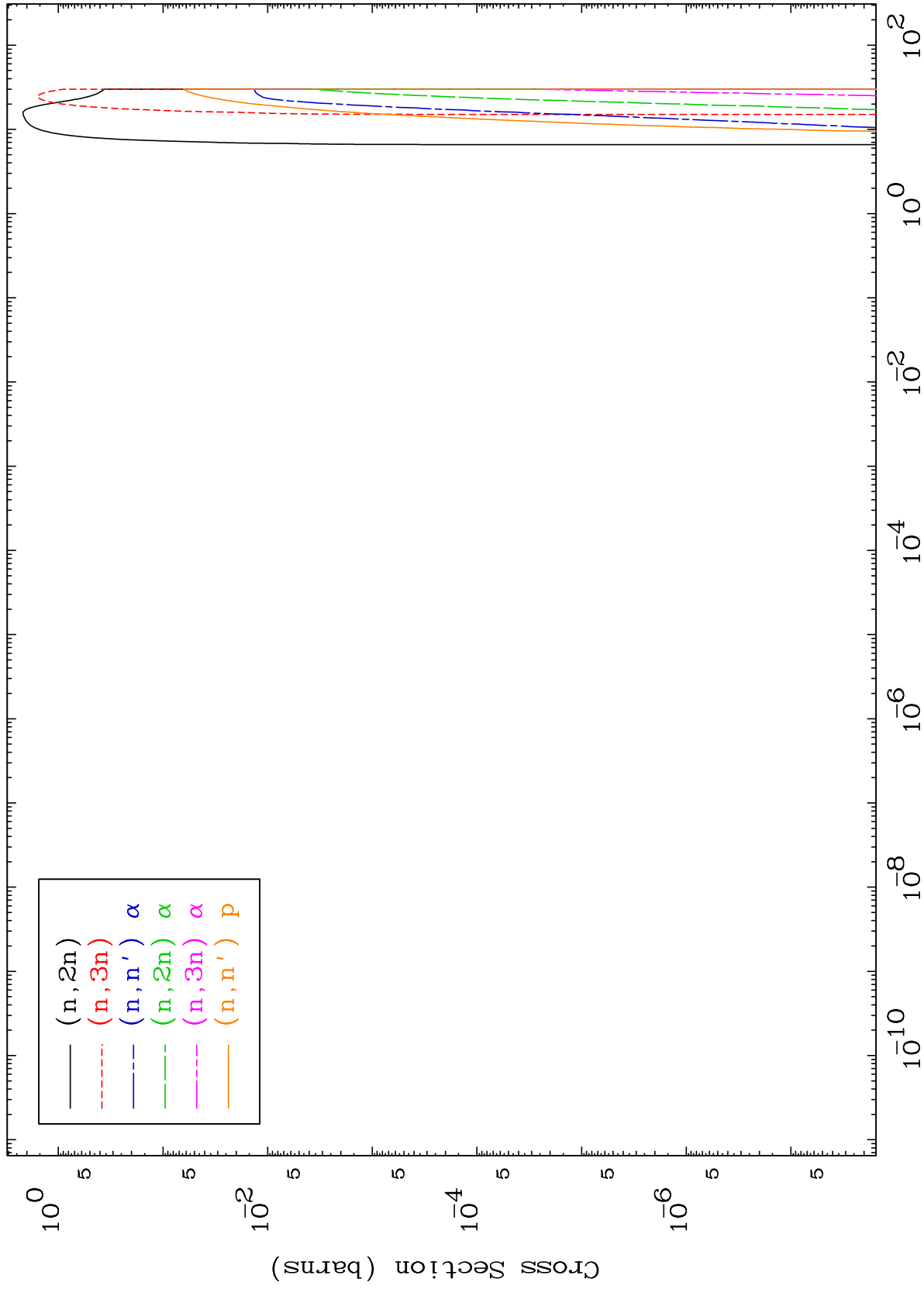
79-Au-196



MAT 7923

Neutron Production
293 Kelvin Cross Sections

79-Au-196



2

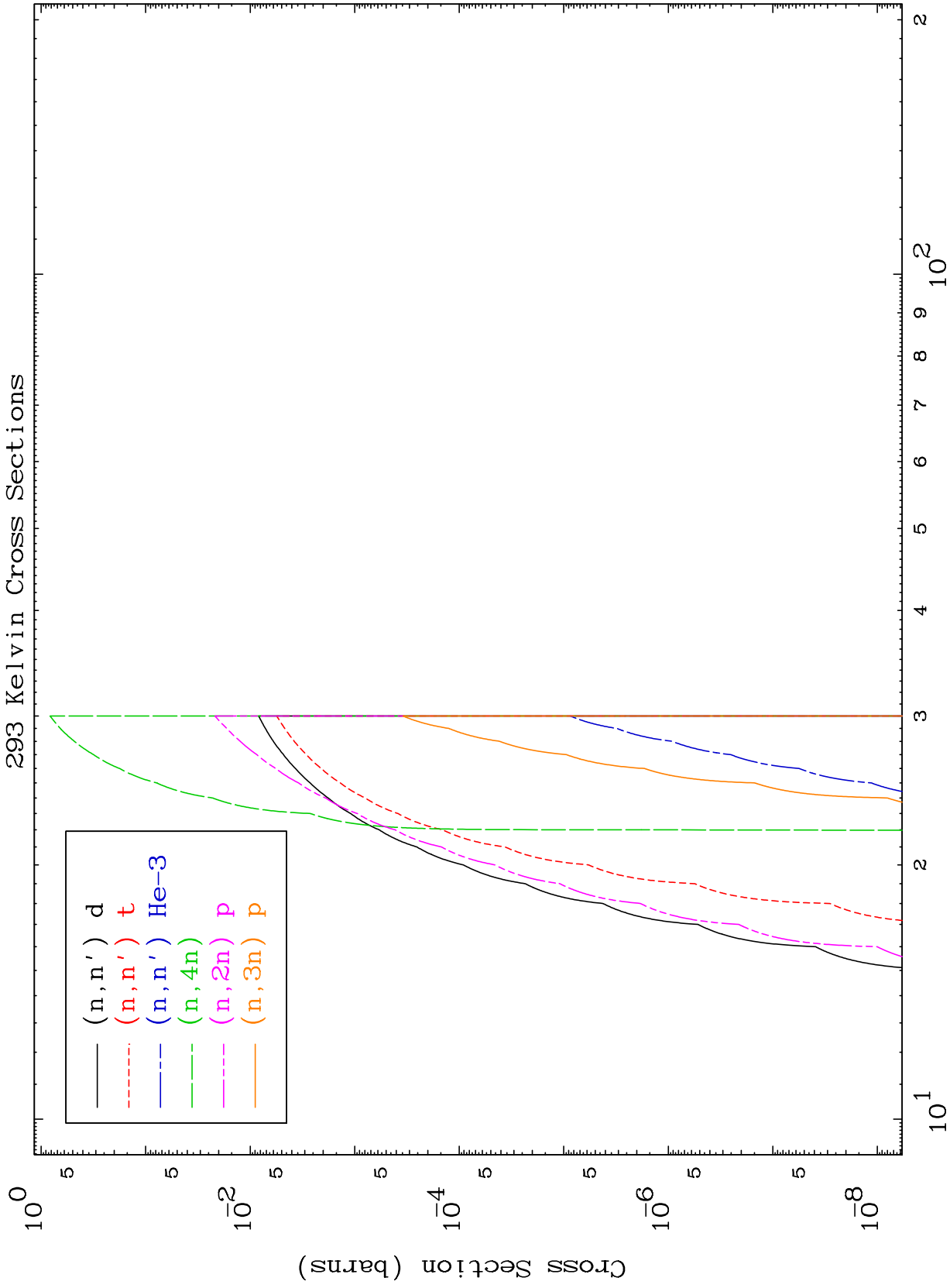
Incident Energy (MeV)

79-Au-196

MAT 7923

Neutron Production
293 Kelvin Cross Sections

79-Au-196



3

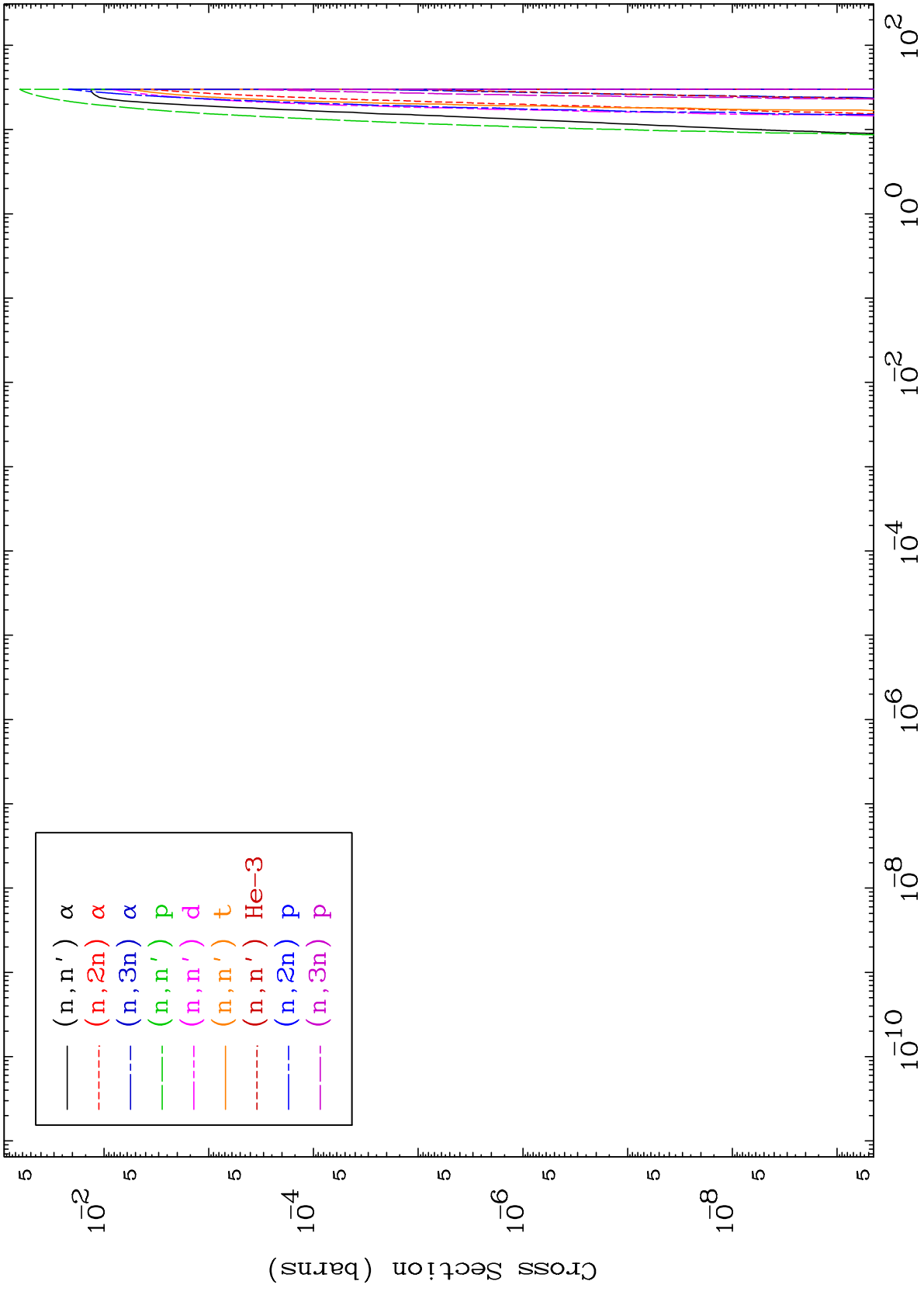
Incident Energy (MeV)

79-Au-196

MAT 7923

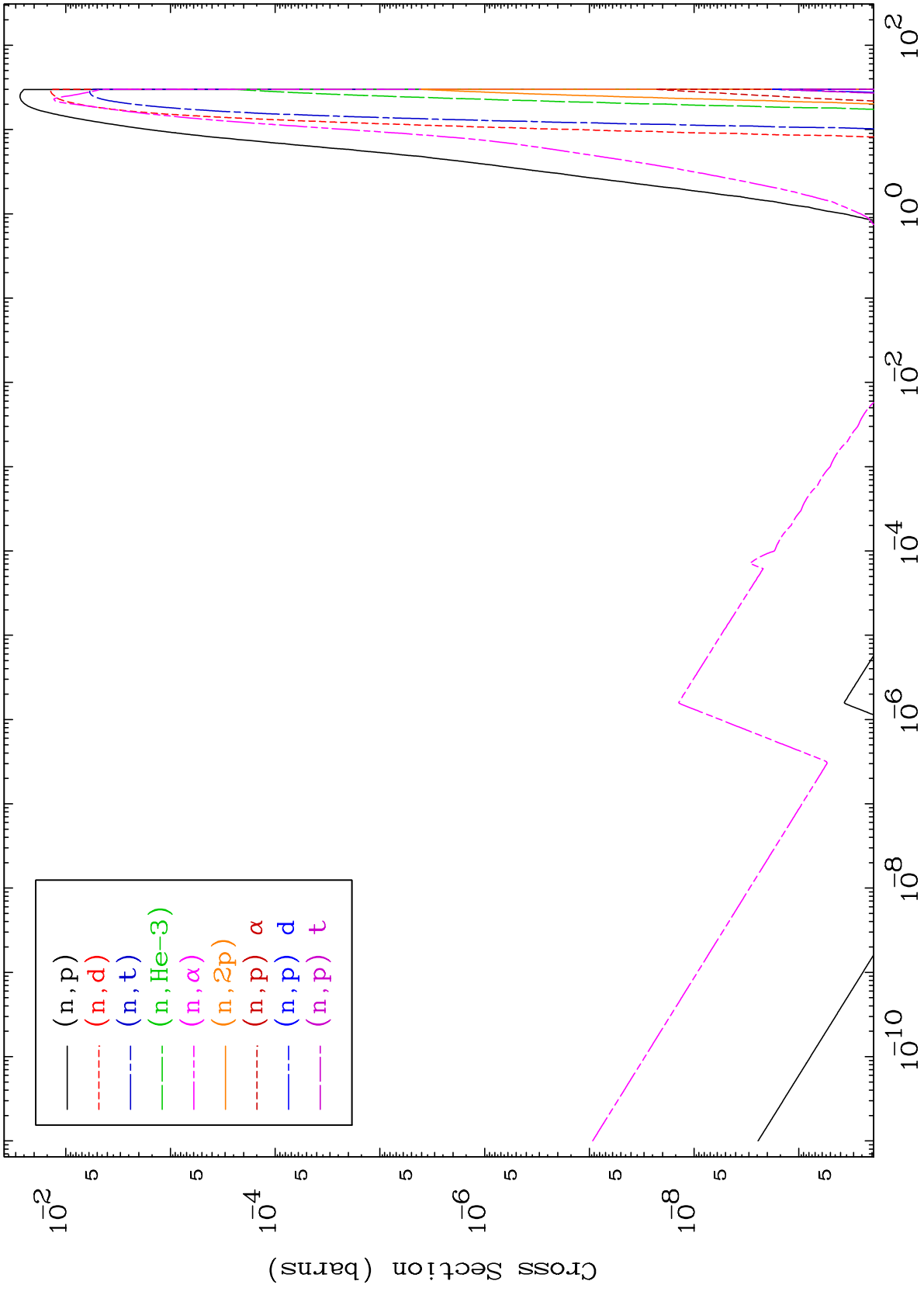
Charged Particle
293 Kelvin Cross Sections

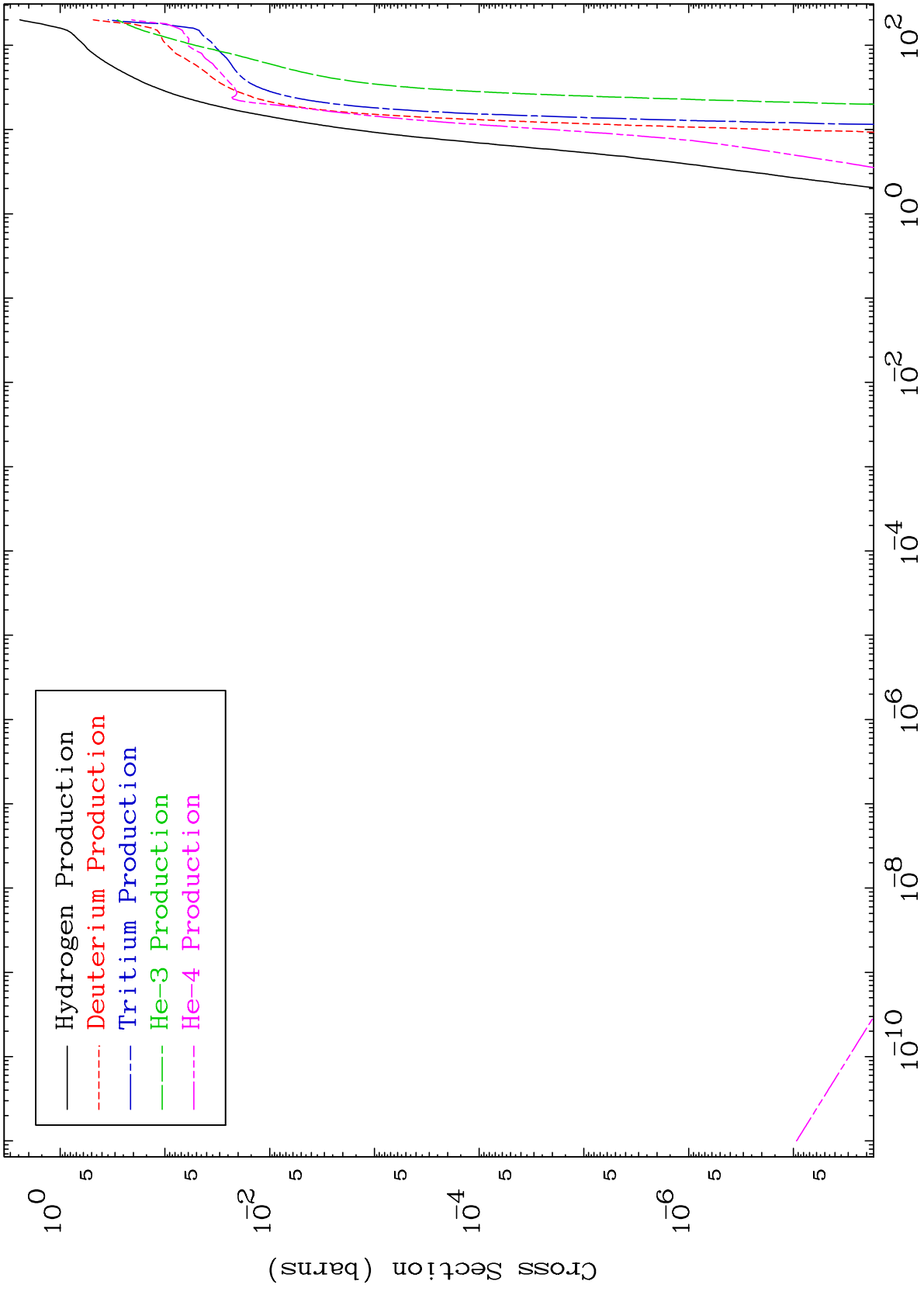
79-Au-196



79-Au-196

Incident Energy (MeV)

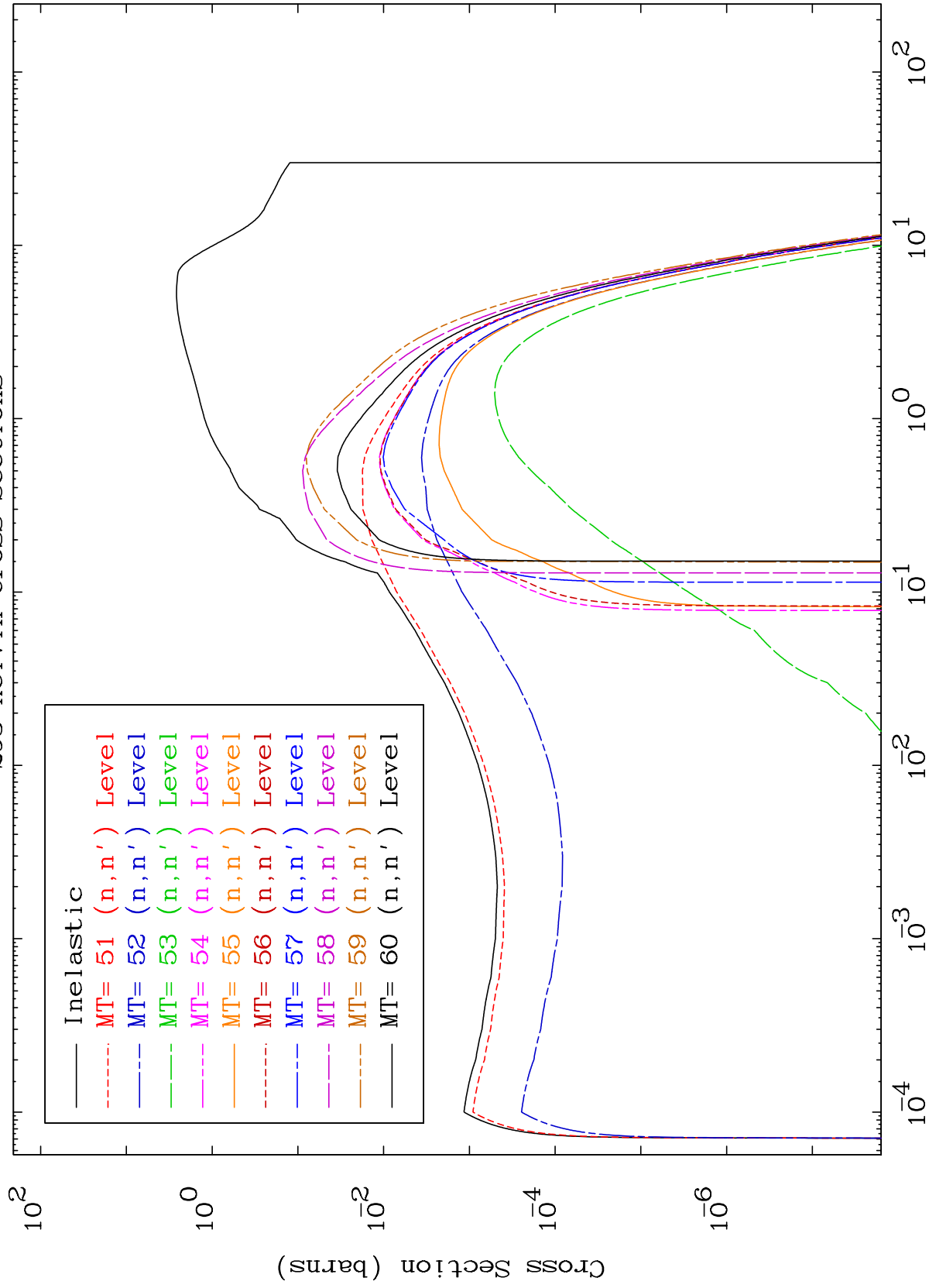




MAT 7923

293 Kelvin Cross Sections

79-Au-196

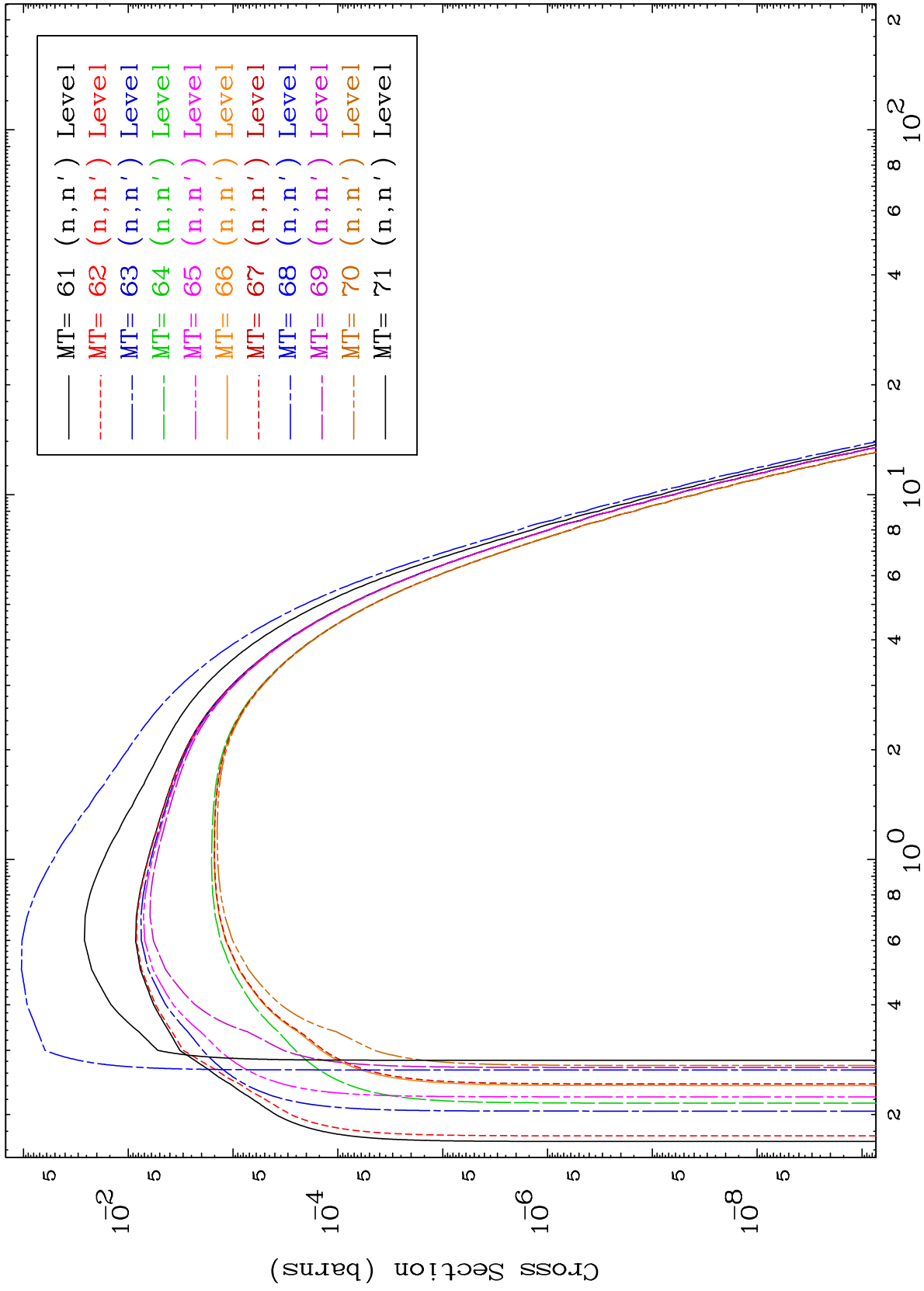


MAT 7923

(n,n') Level

79-Au-196

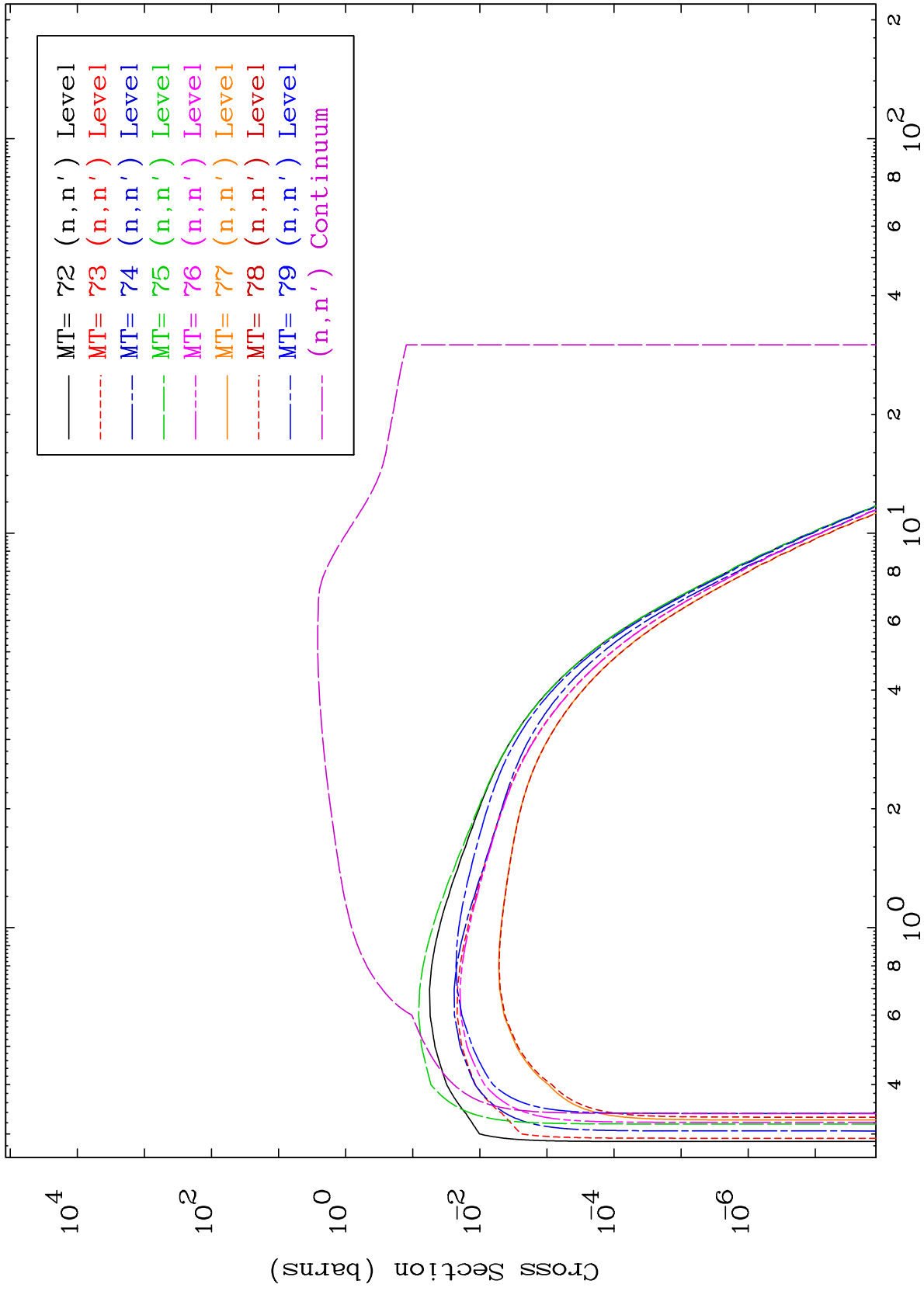
293 Kelvin Cross Sections



8

Incident Energy (MeV)

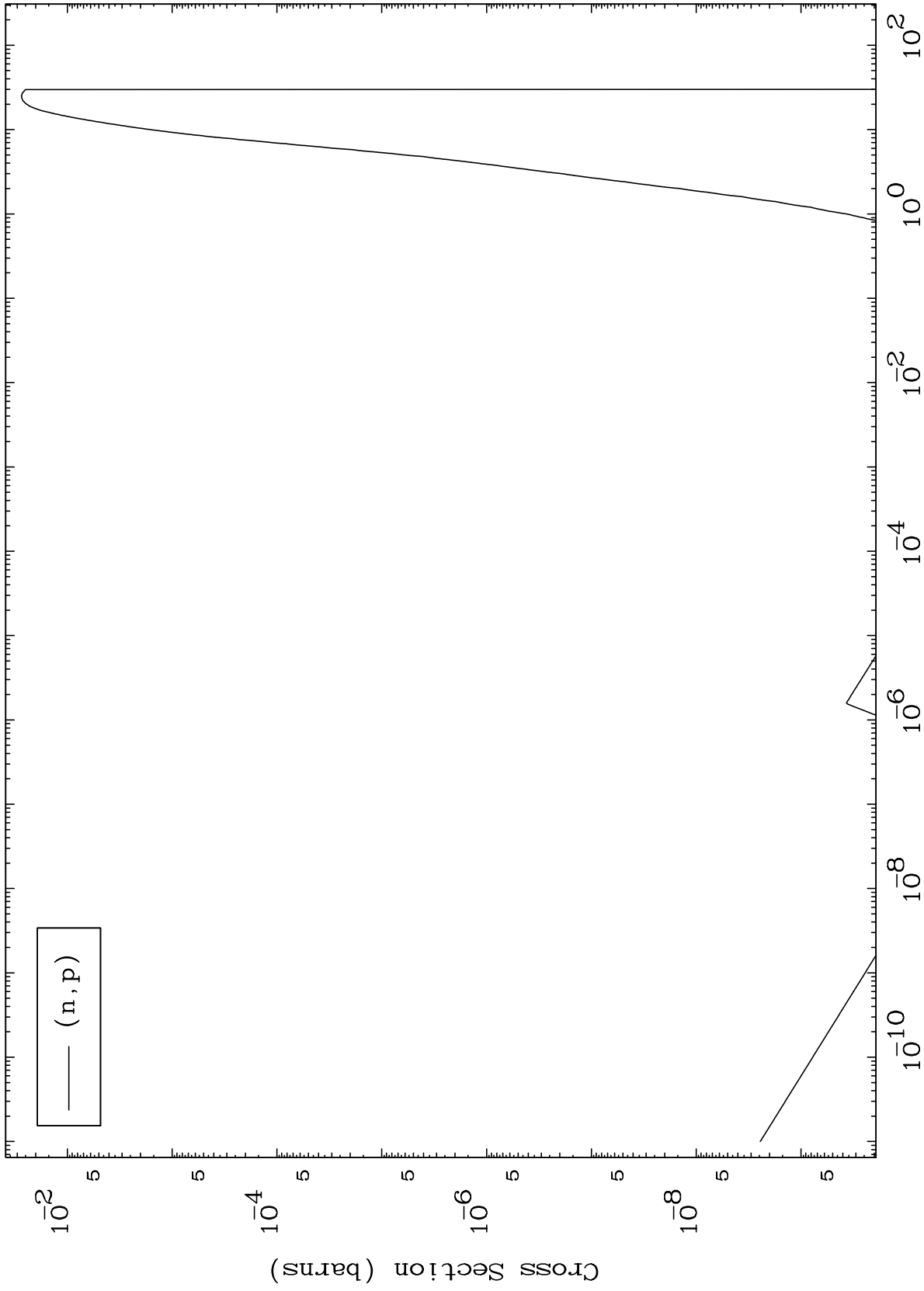
79-Au-196



MAT 7923

(n,p) Levels
293 Kelvin Cross Sections

79-Au-196



10

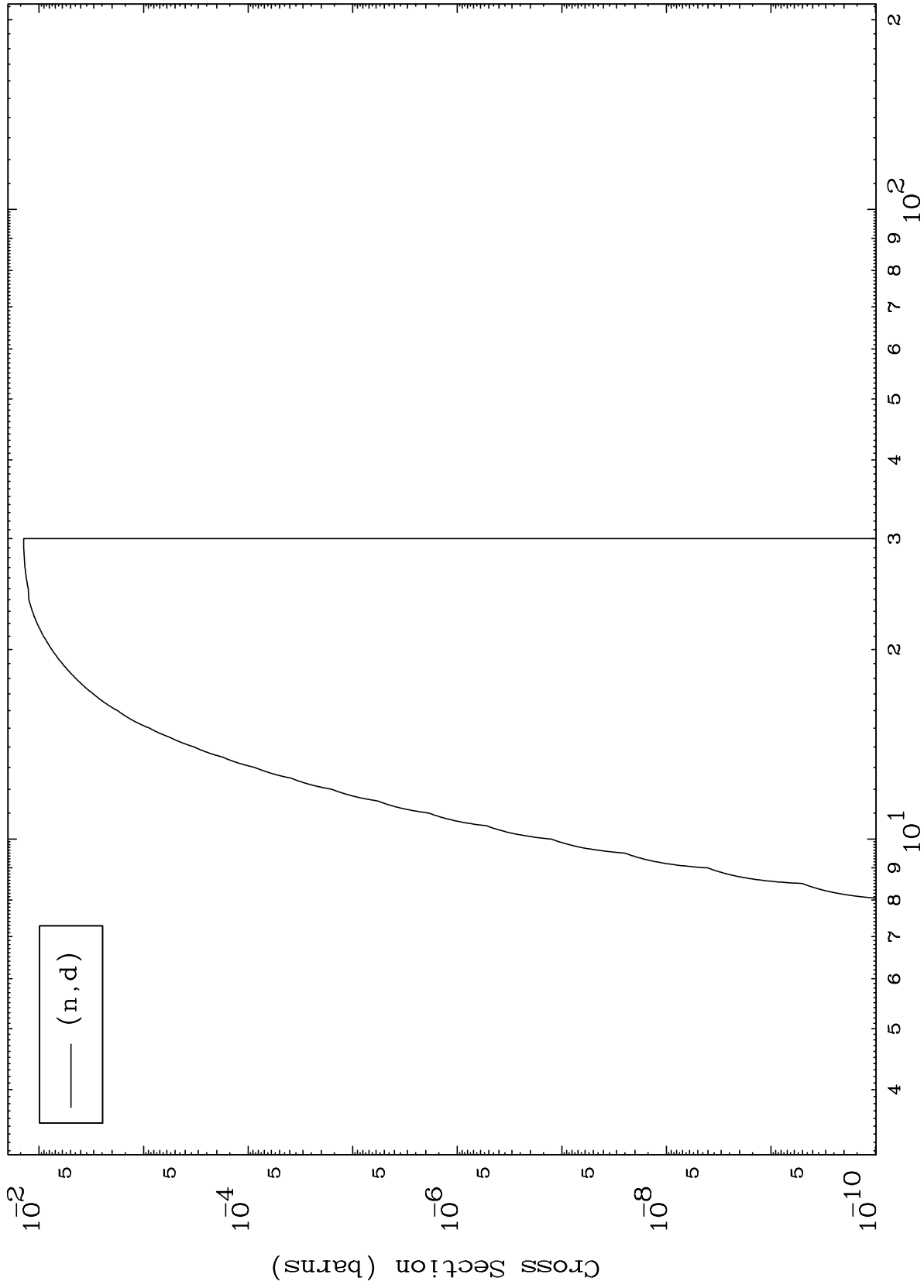
Incident Energy (MeV)

79-Au-196

MAT 7923

(n,d) Levels
293 Kelvin Cross Sections

79-Au-196



11

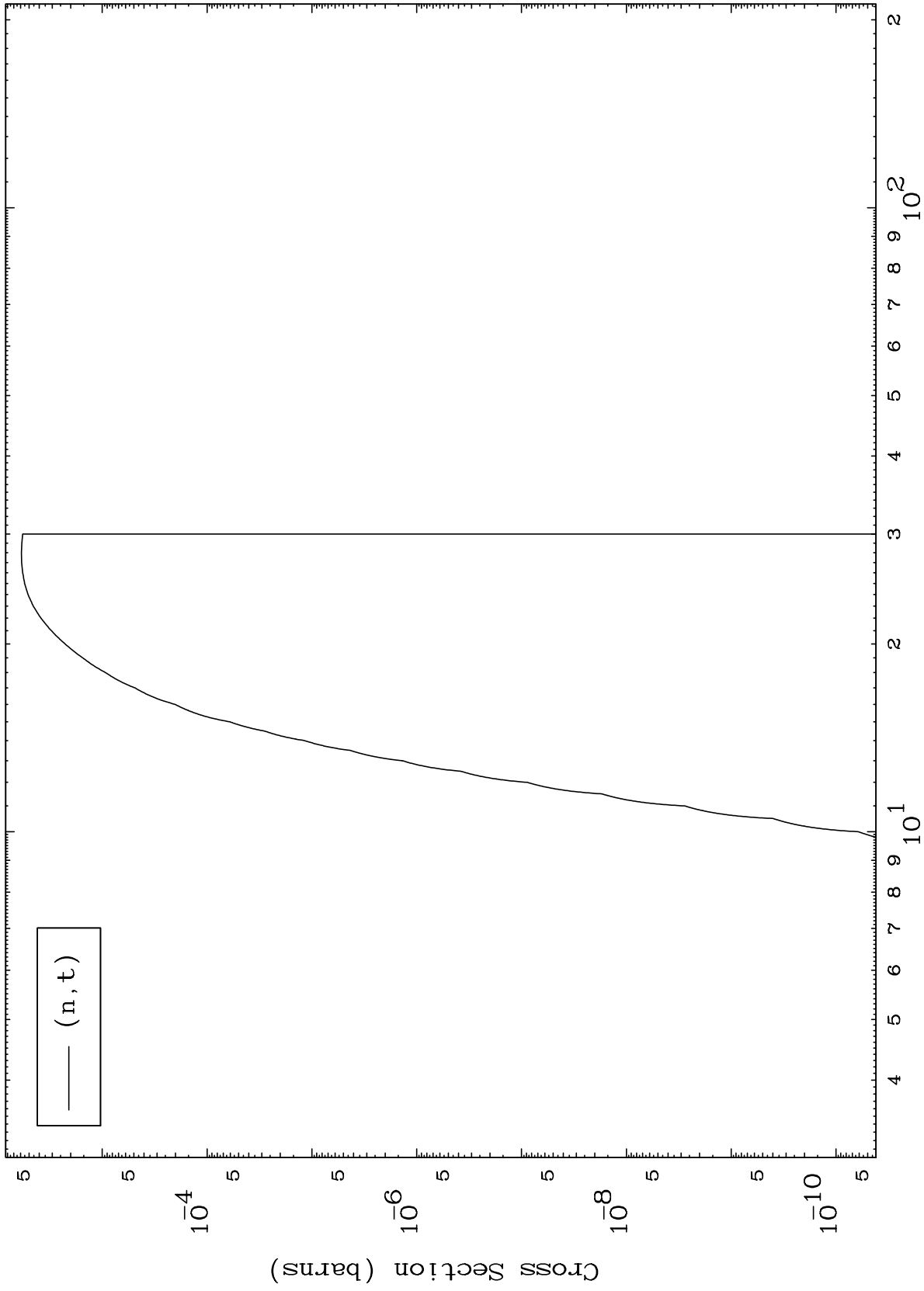
Incident Energy (MeV)

79-Au-196

MAT 7923

(n,t) Levels
293 Kelvin Cross Sections

79-Au-196



12

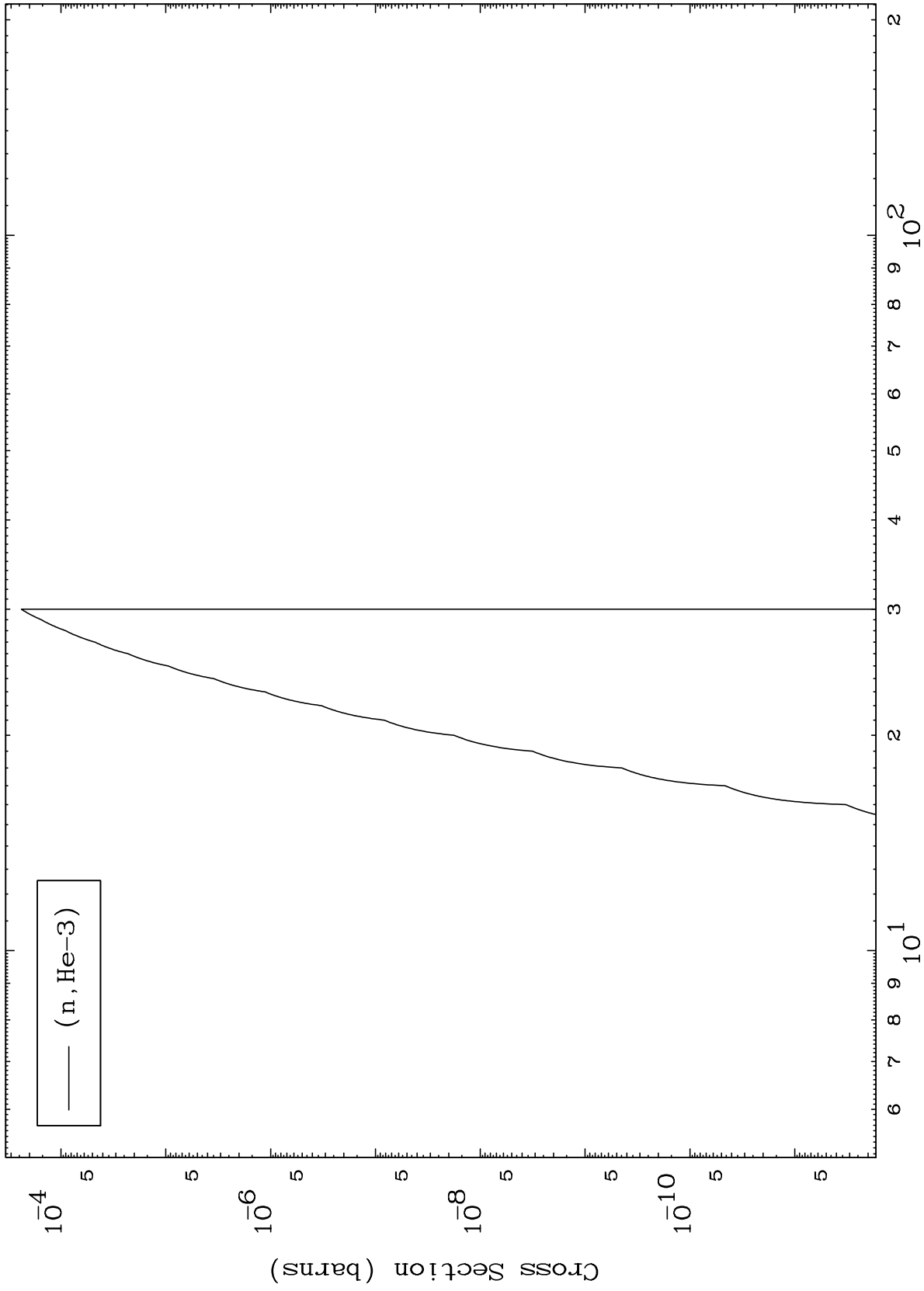
Incident Energy (MeV)

79-Au-196

MAT 7923

(n,He3) Levels
293 Kelvin Cross Sections

79-Au-196



13

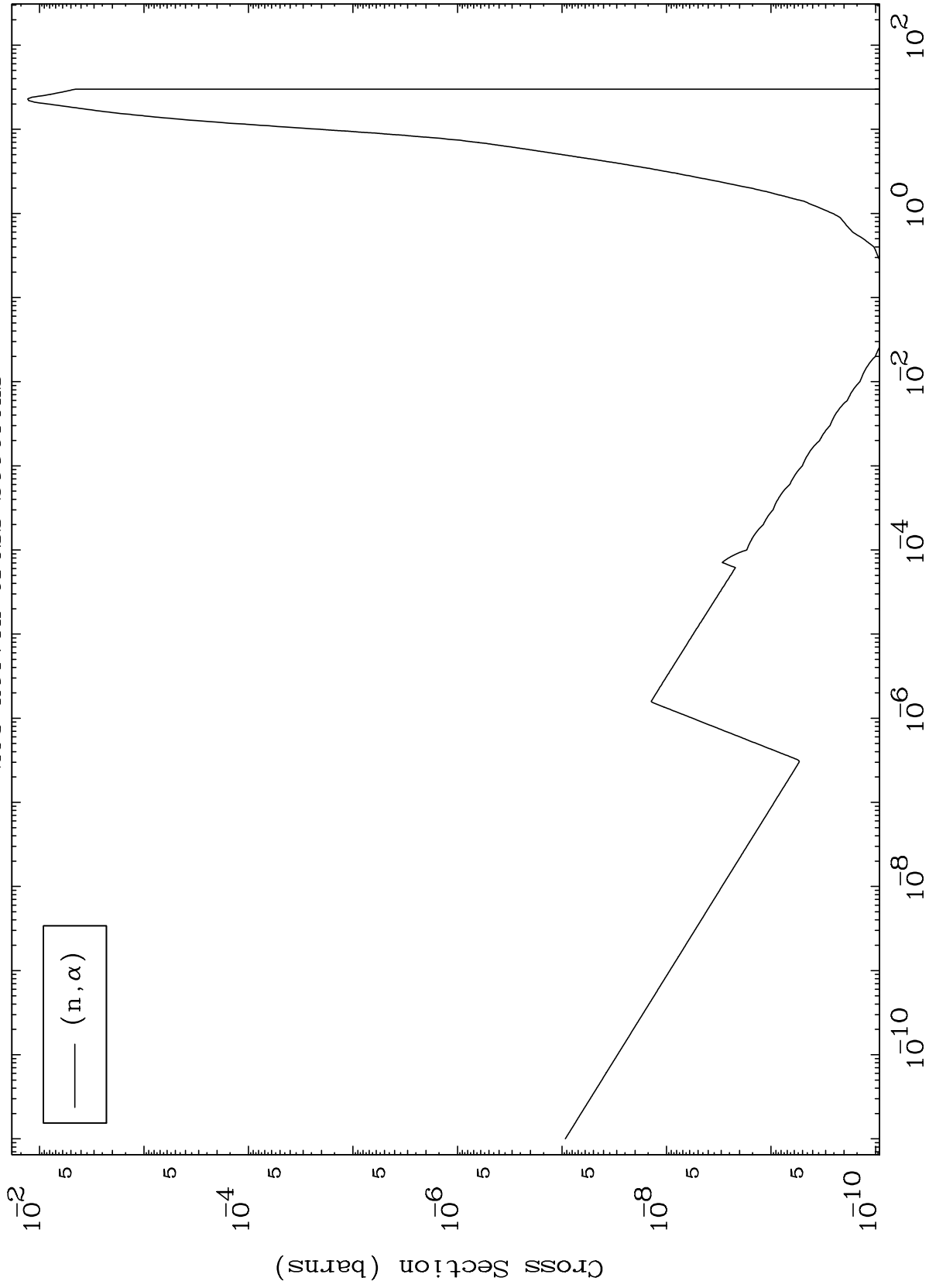
Incident Energy (MeV)

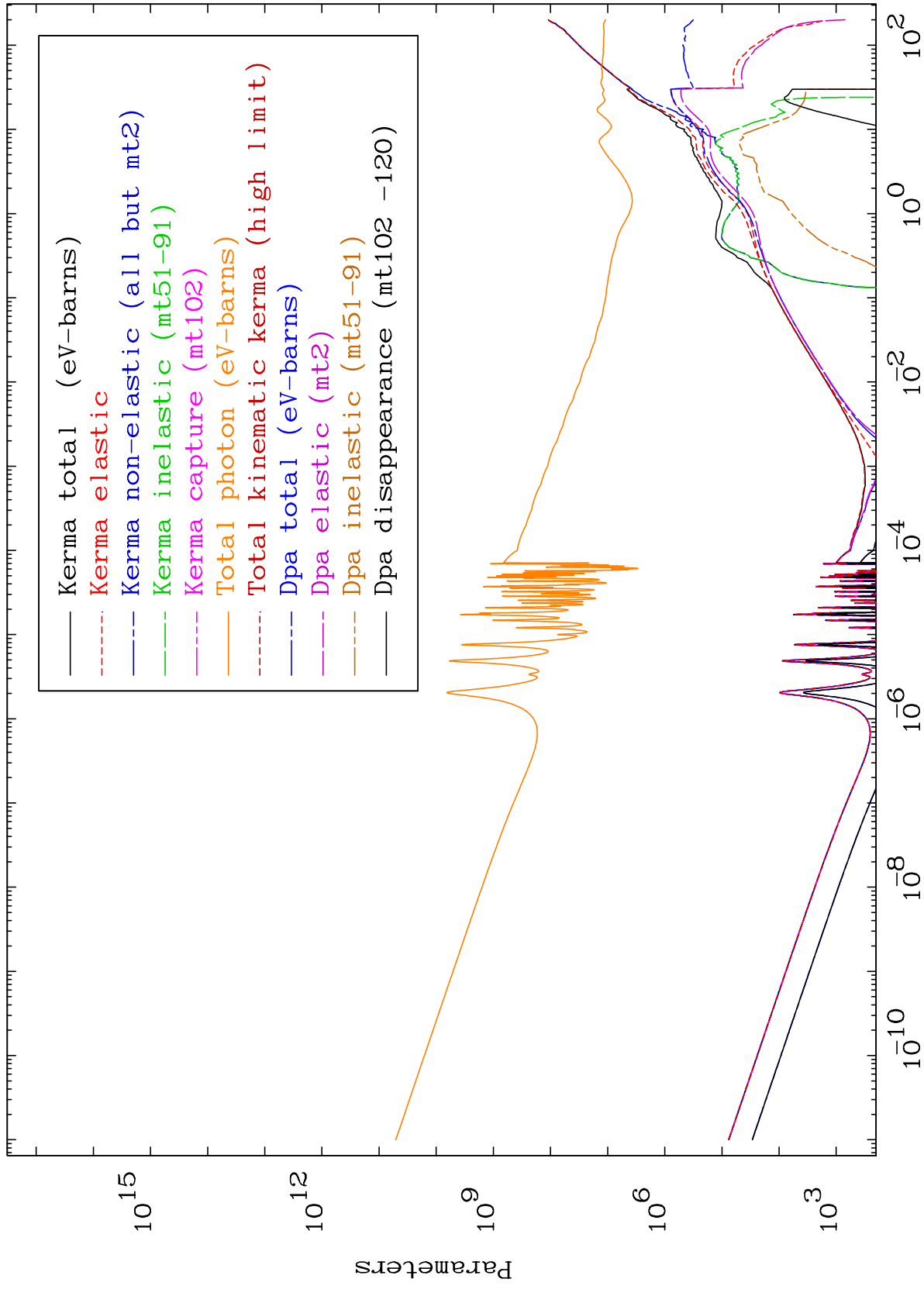
79-Au-196

MAT 7923

(n,α) Levels
293 Kelvin Cross Sections

79-Au-196

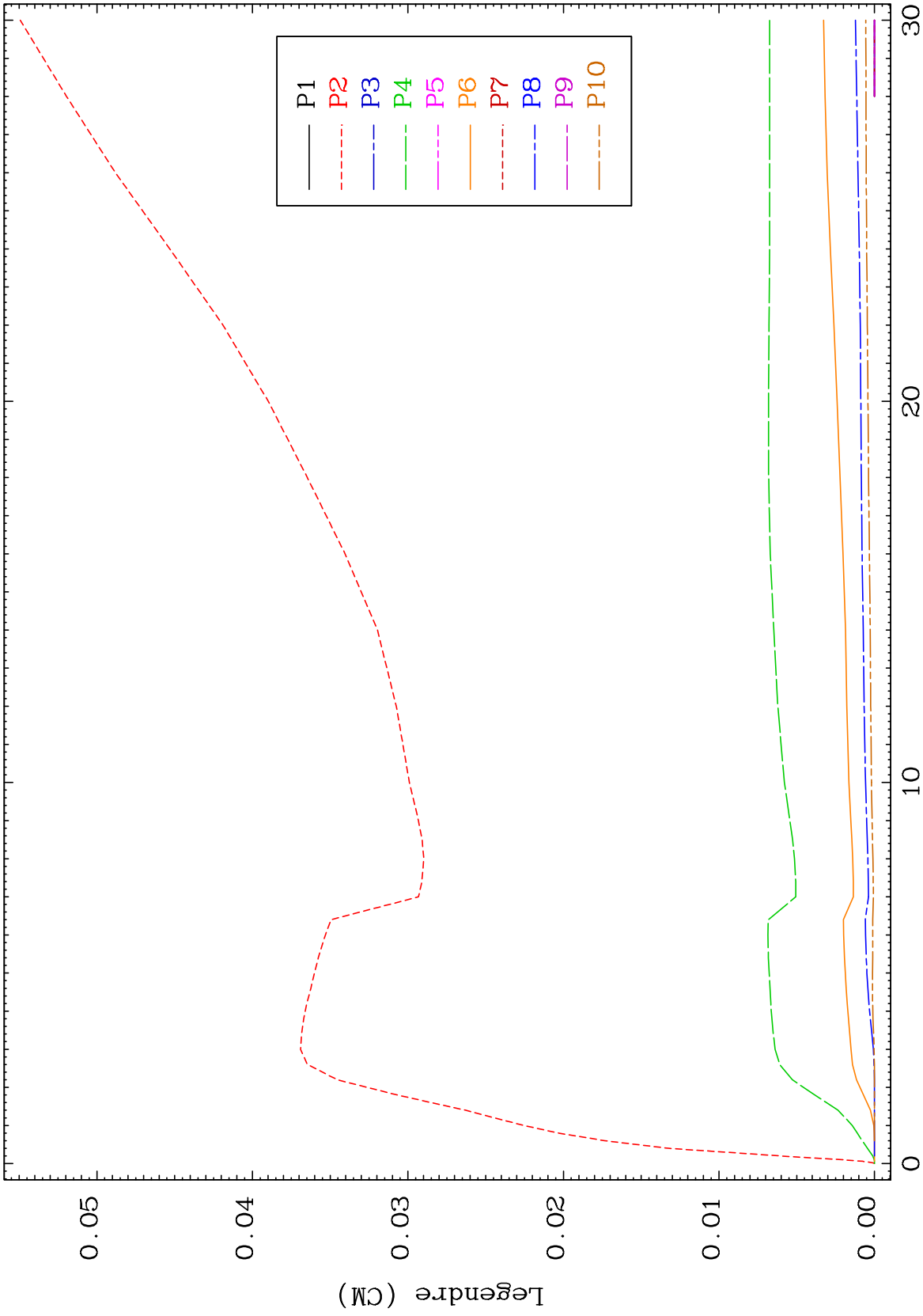




MAT 7923

Elastic Legendre Coefficients

79-Au-196



16

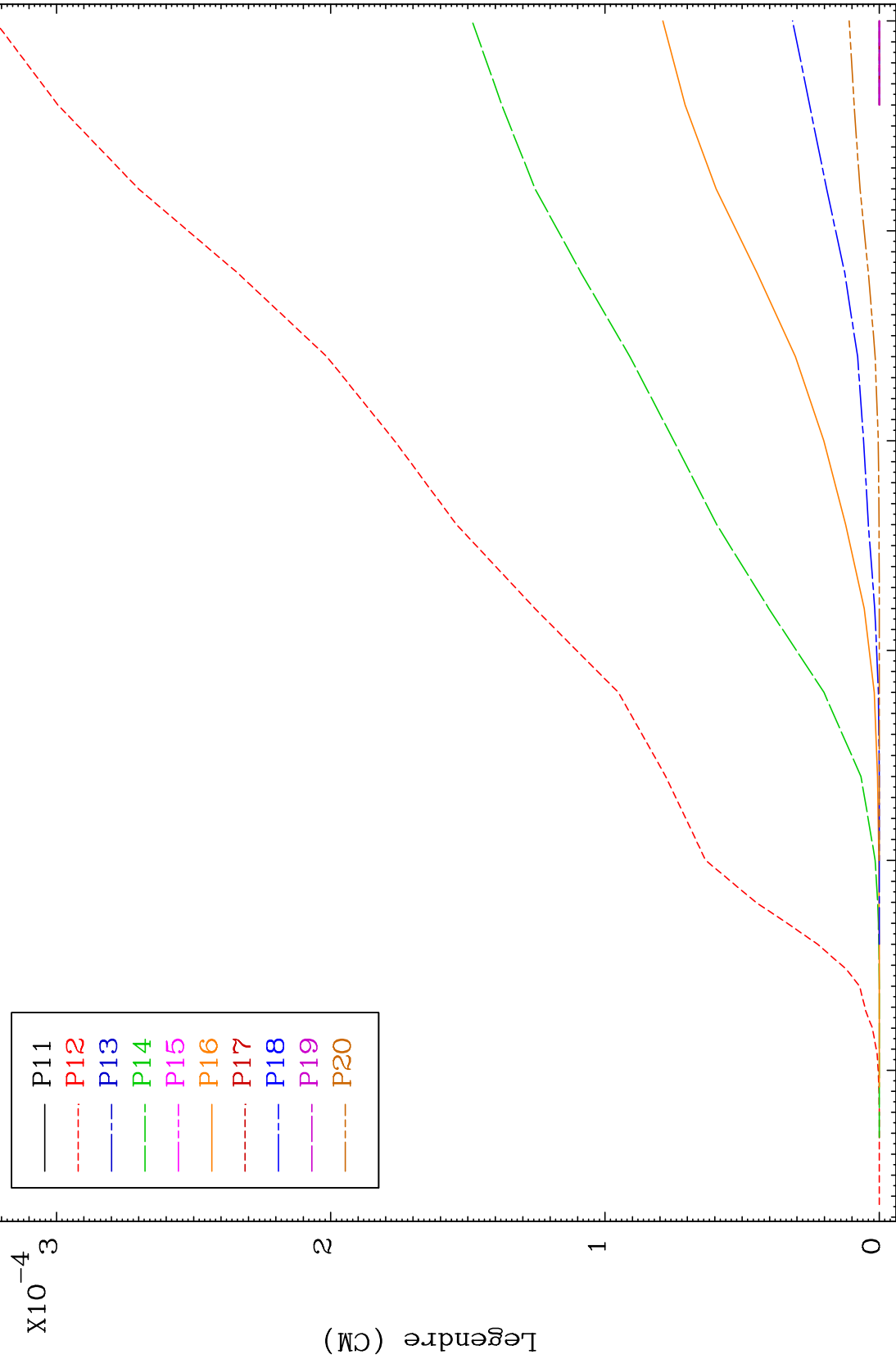
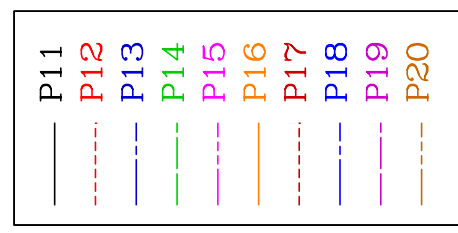
Incident Energy (MeV)

79-Au-196

MAT 7923

Elastic Legendre Coefficients

79-Au-196



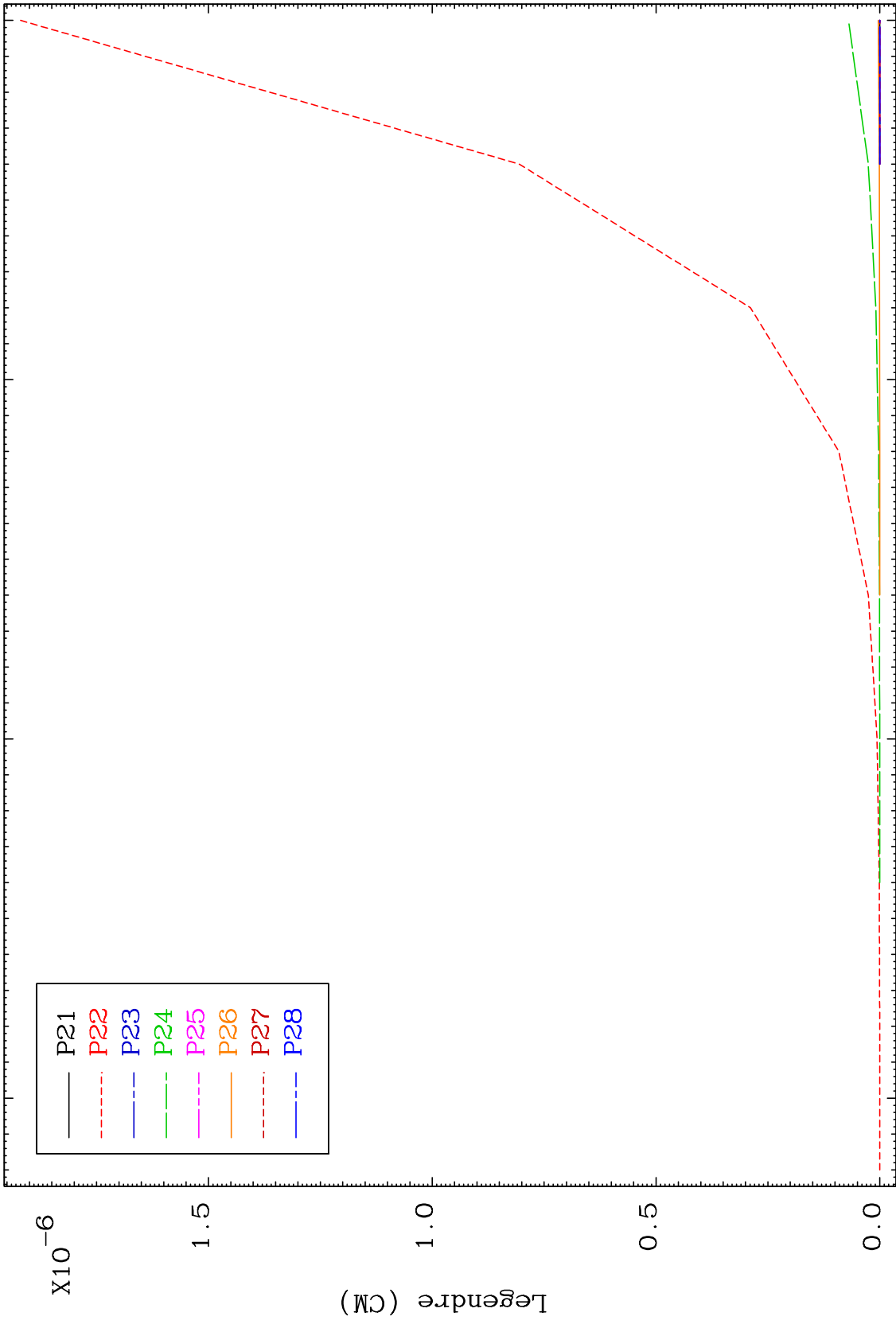
17

79-Au-196

MAT 7923

Elastic Legendre Coefficients

79-Au-196



18

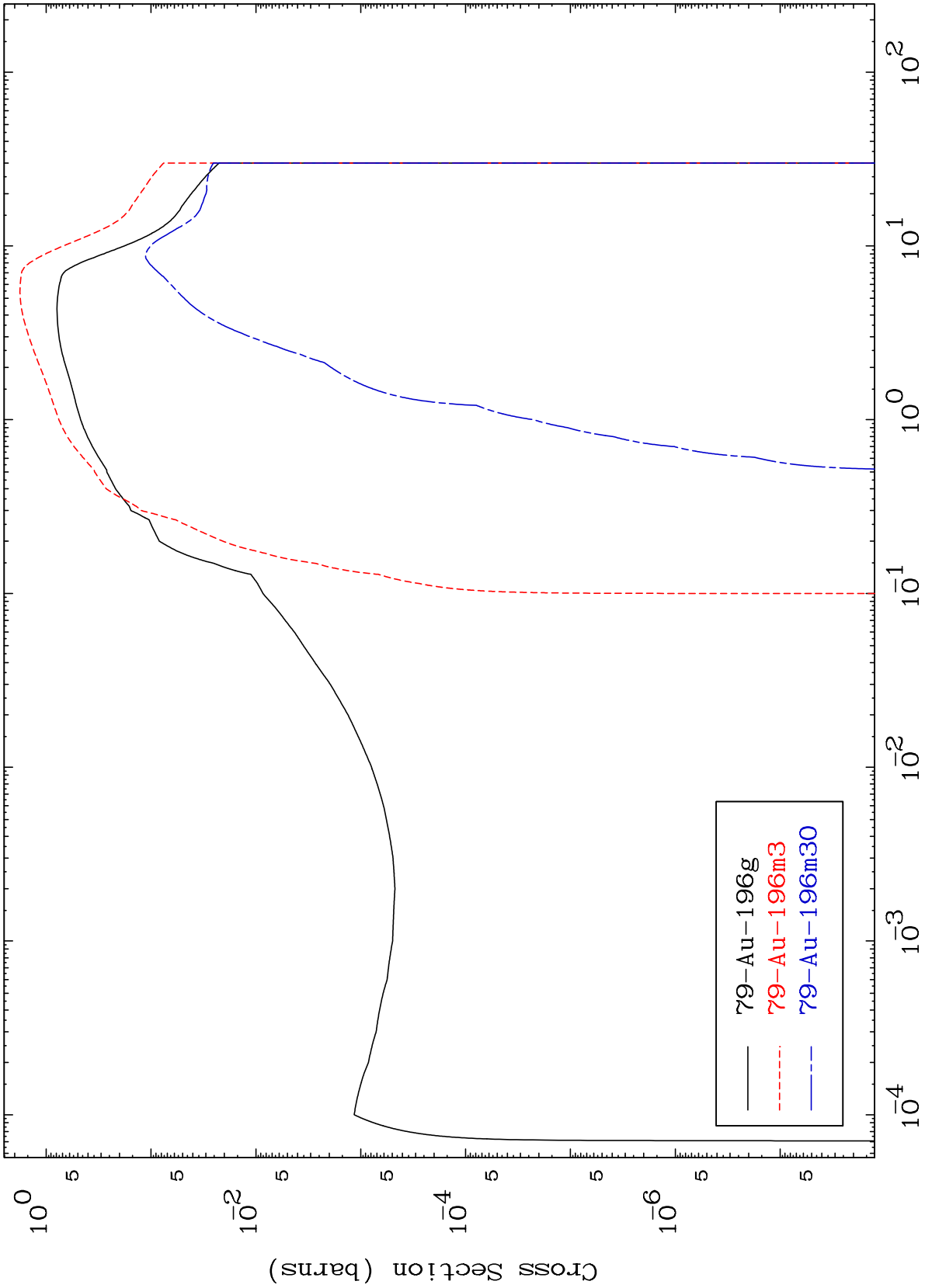
Incident Energy (MeV)

79-Au-196

MAT 7923

79-Au-196

Inelastic
Radionuclide Production Cross Section



79-Au-196

Incident Energy (MeV)

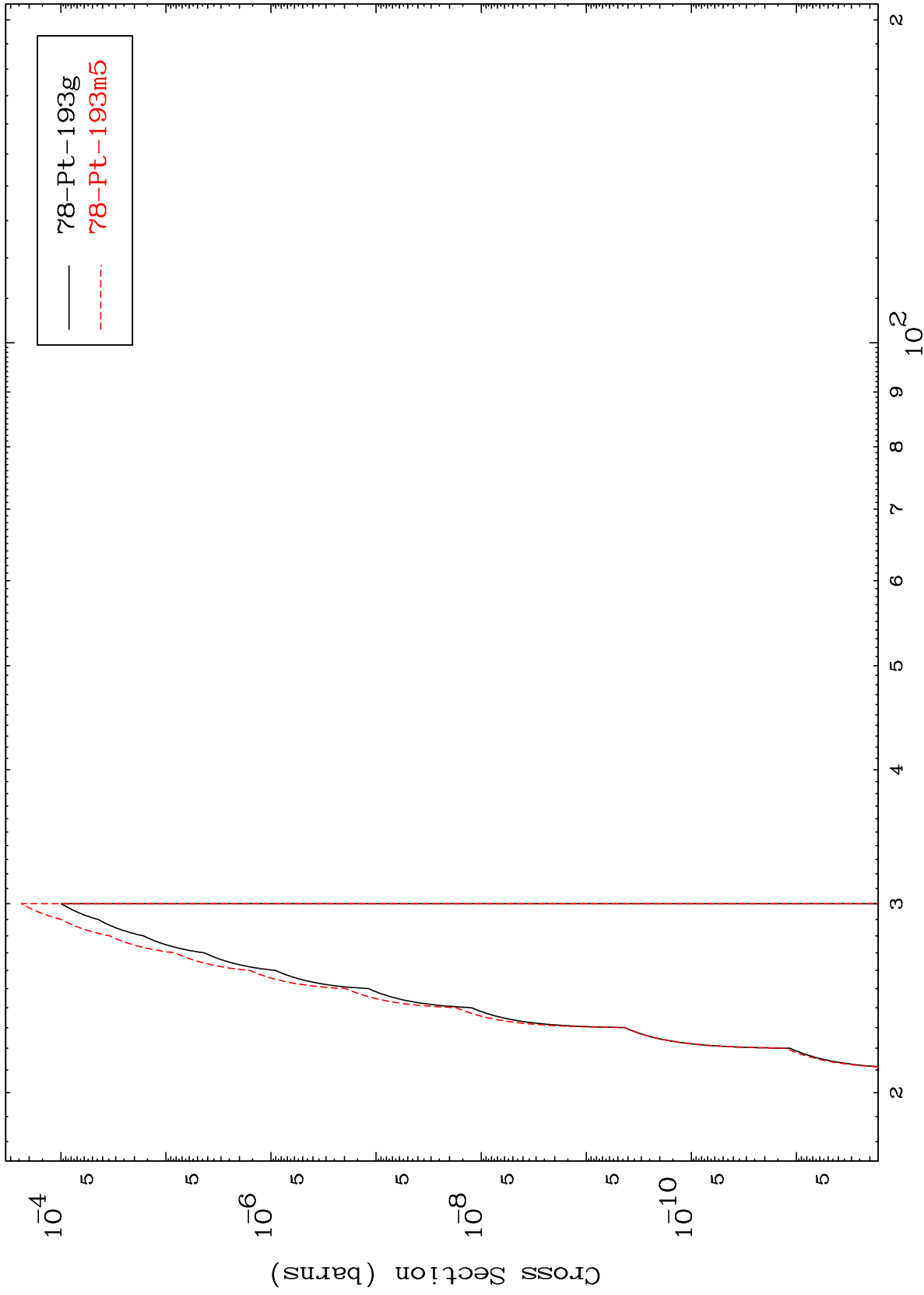
19

MAT 7923

(n,2n) d

79-Au-196

Radionuclide Production Cross Section



20

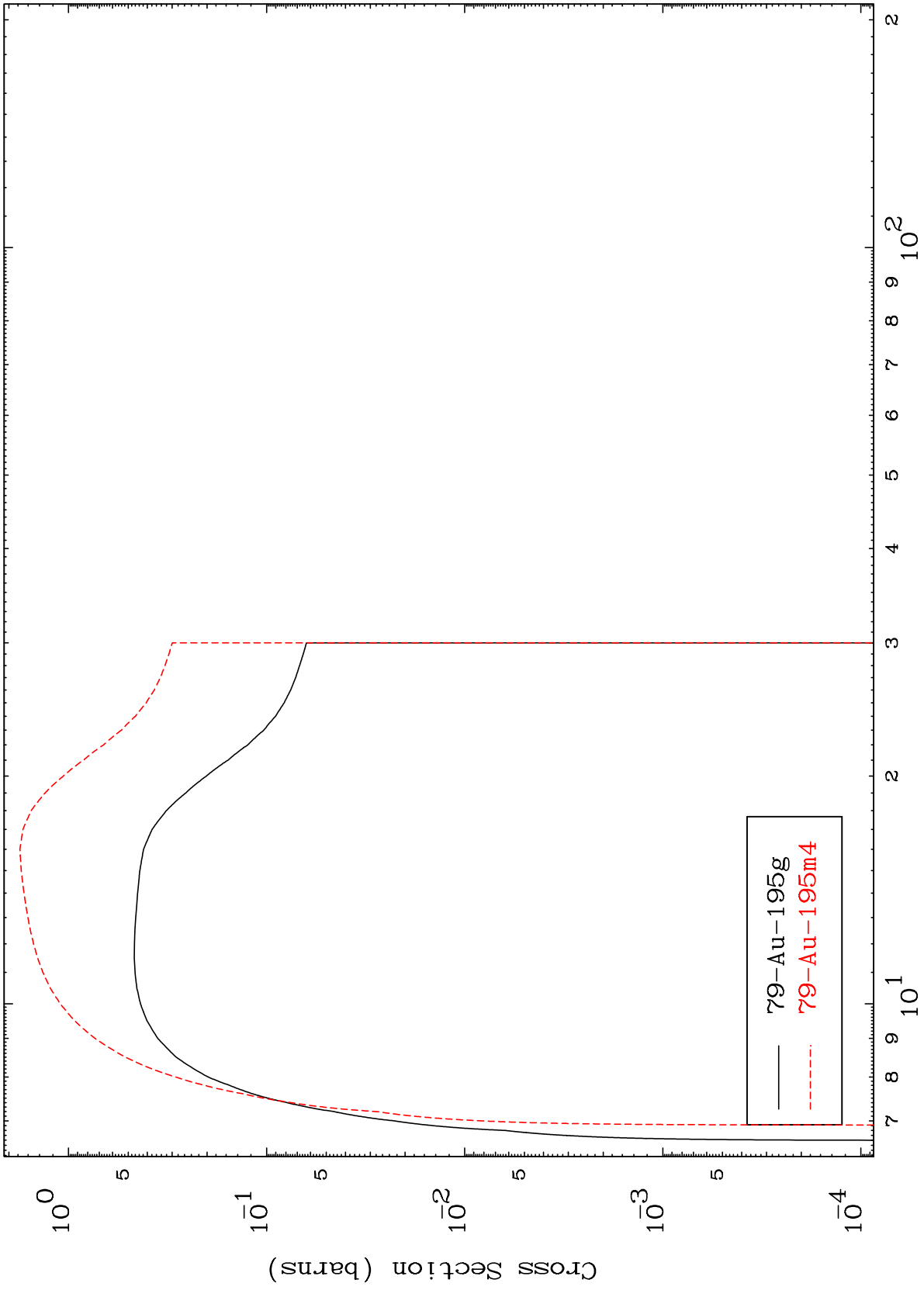
Incident Energy (MeV)

79-Au-196

MAT 7923

79-Au-196

(n,2n)
Radionuclide Production Cross Section



21

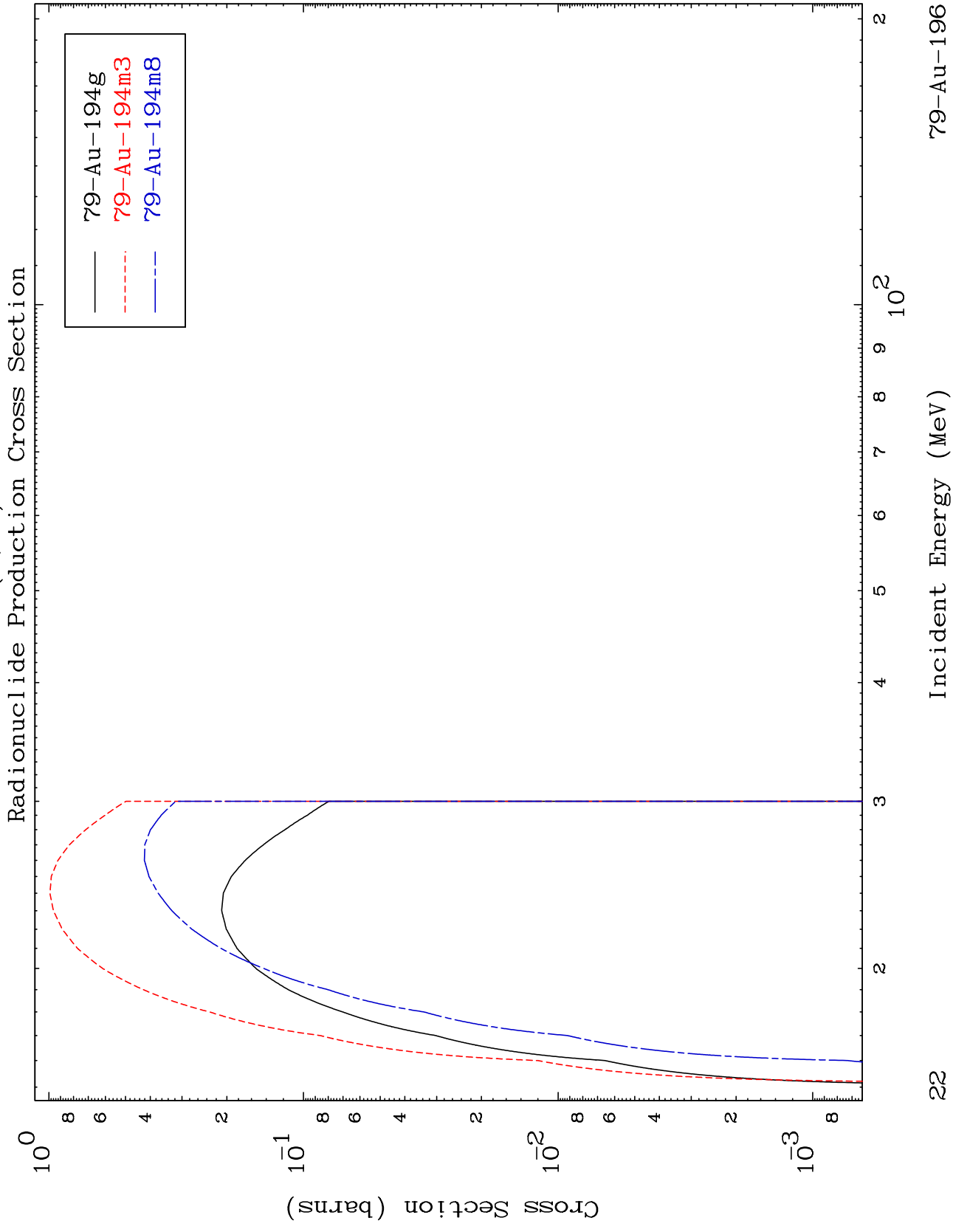
Incident Energy (MeV)

79-Au-196

MAT 7923

(n,3n)

⁷⁹Au-196



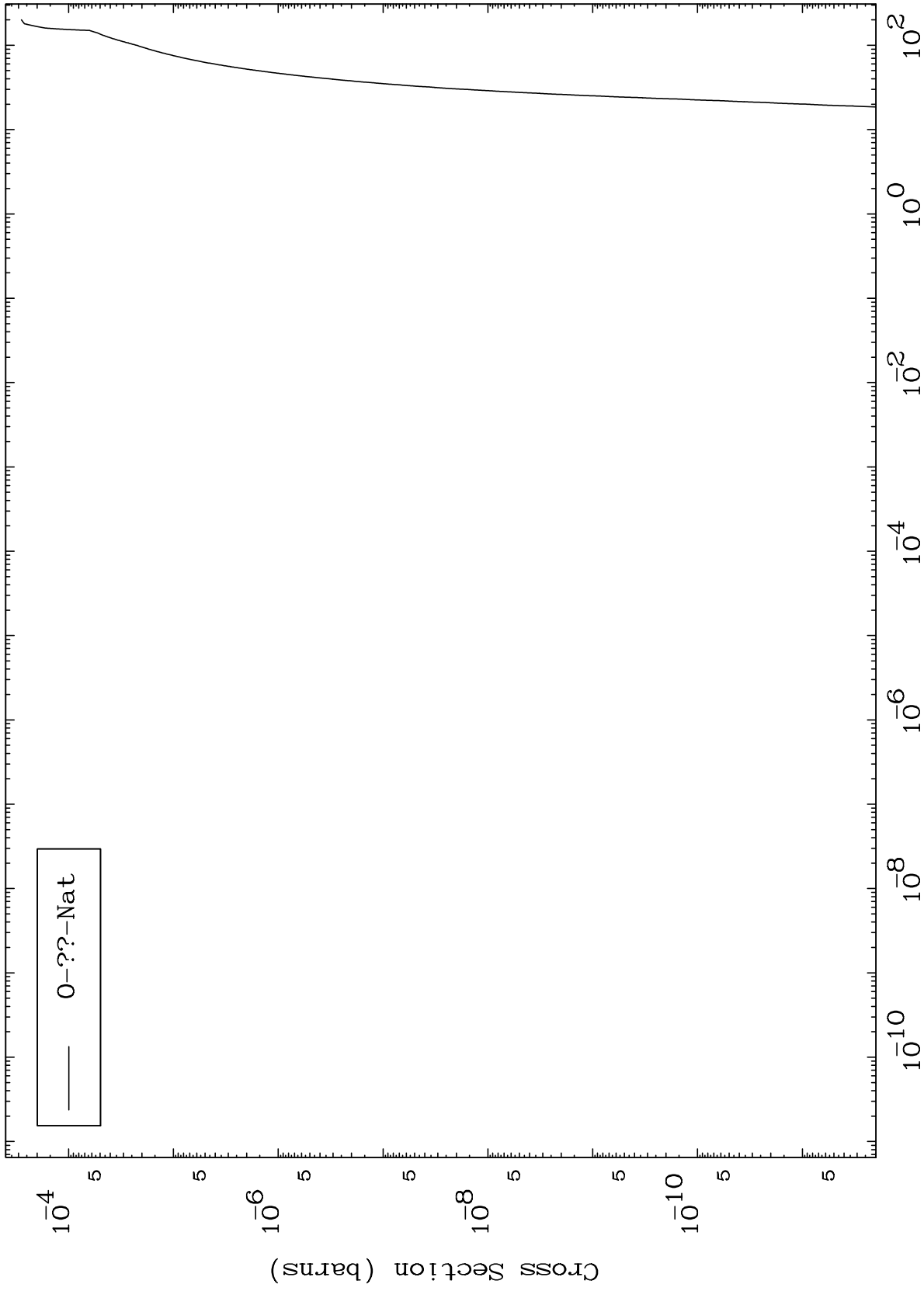
22

⁷⁹Au-196

MAT 7923

Fission
Radionuclide Production Cross Section

79-Au-196



23

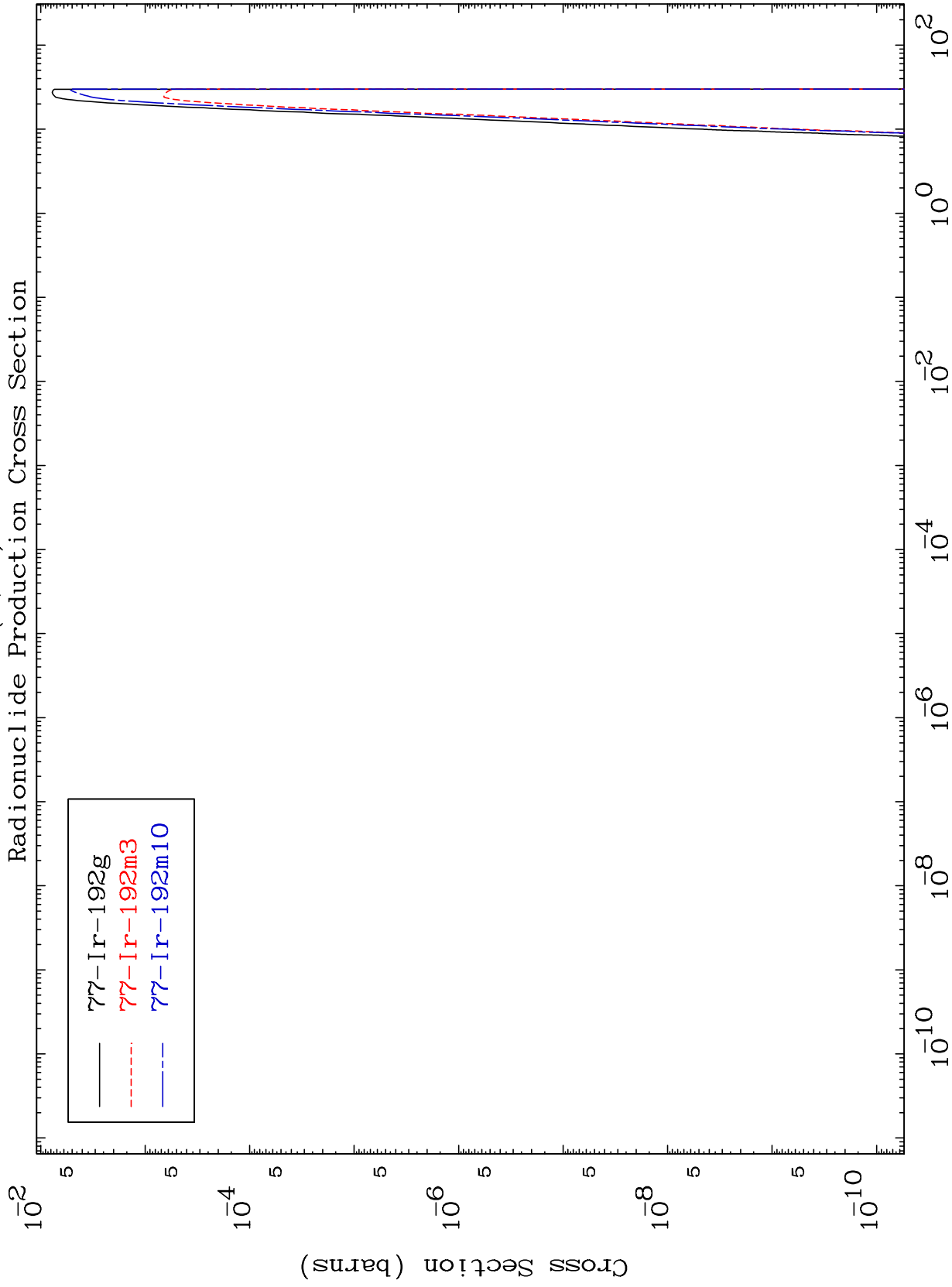
79-Au-196

MAT 7923

(n,n') α

79-Au-196

Radionuclide Production Cross Section



24

Incident Energy (MeV)

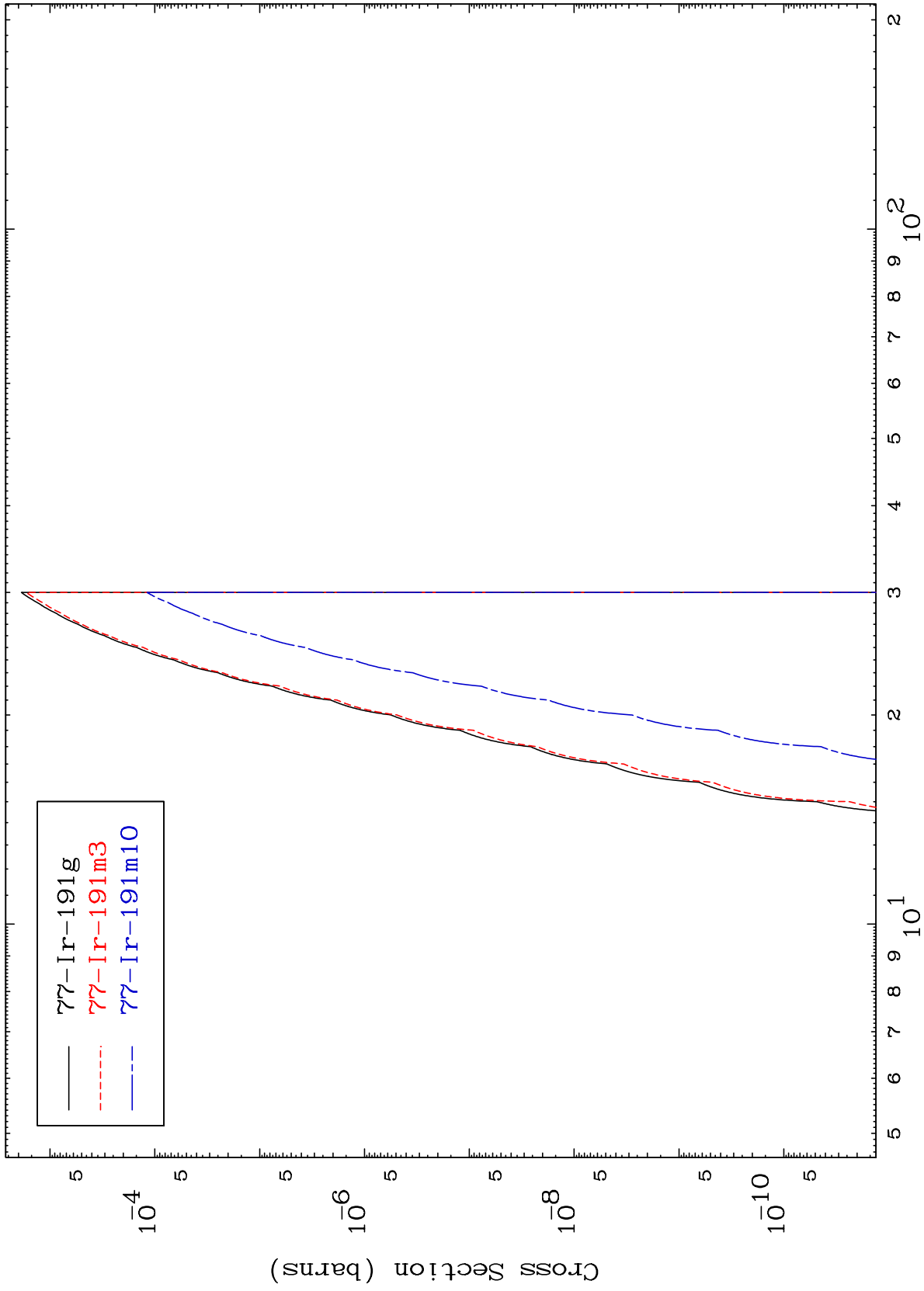
79-Au-196

MAT 7923

$(n, 2n) \alpha$

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

Radionuclide Production Cross Section



25

Incident Energy (MeV)

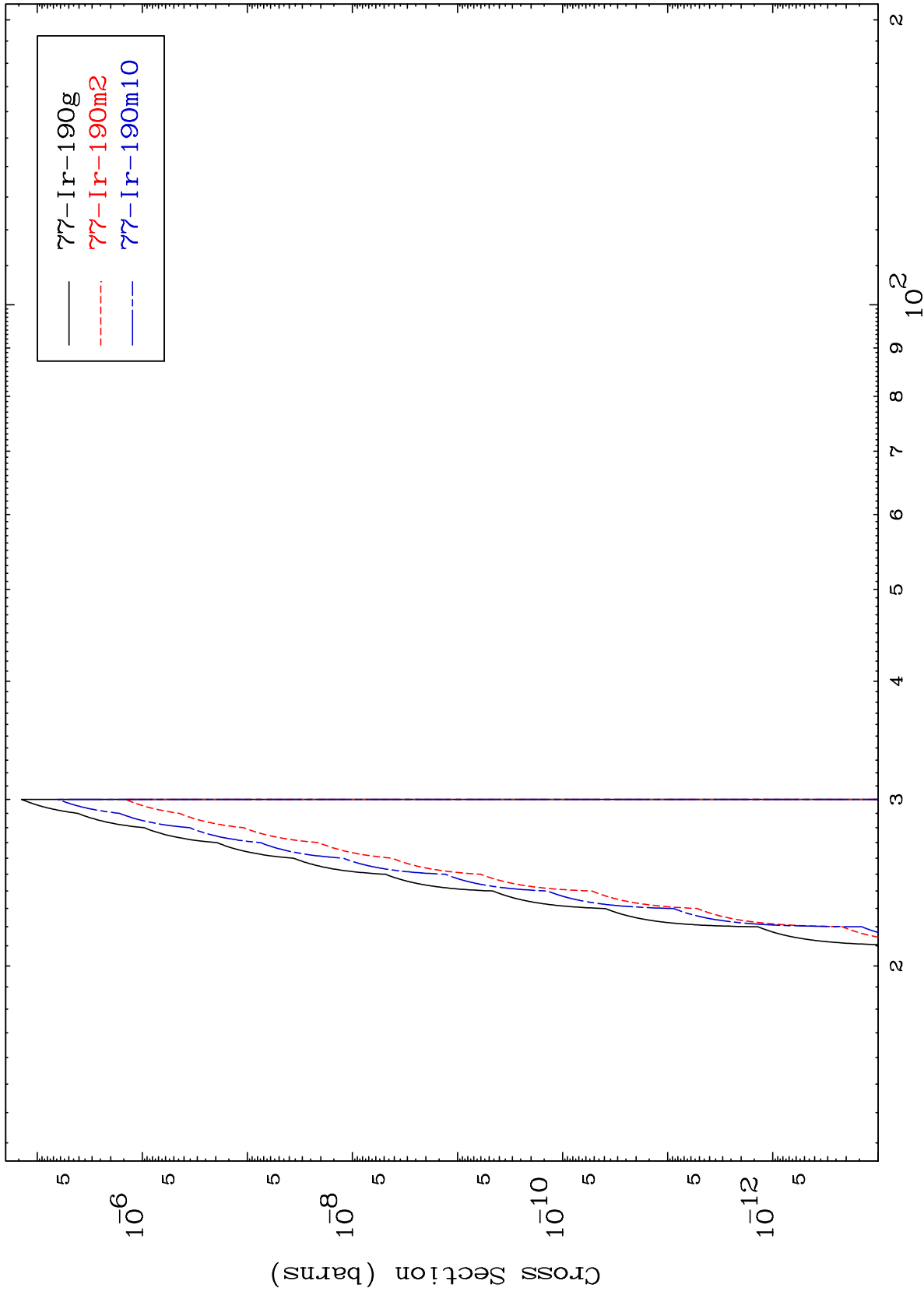
$^{79}\text{Au-196}$

MAT 7923

(n,3n) α

79-Au-196

Radionuclide Production Cross Section



26

Incident Energy (MeV)

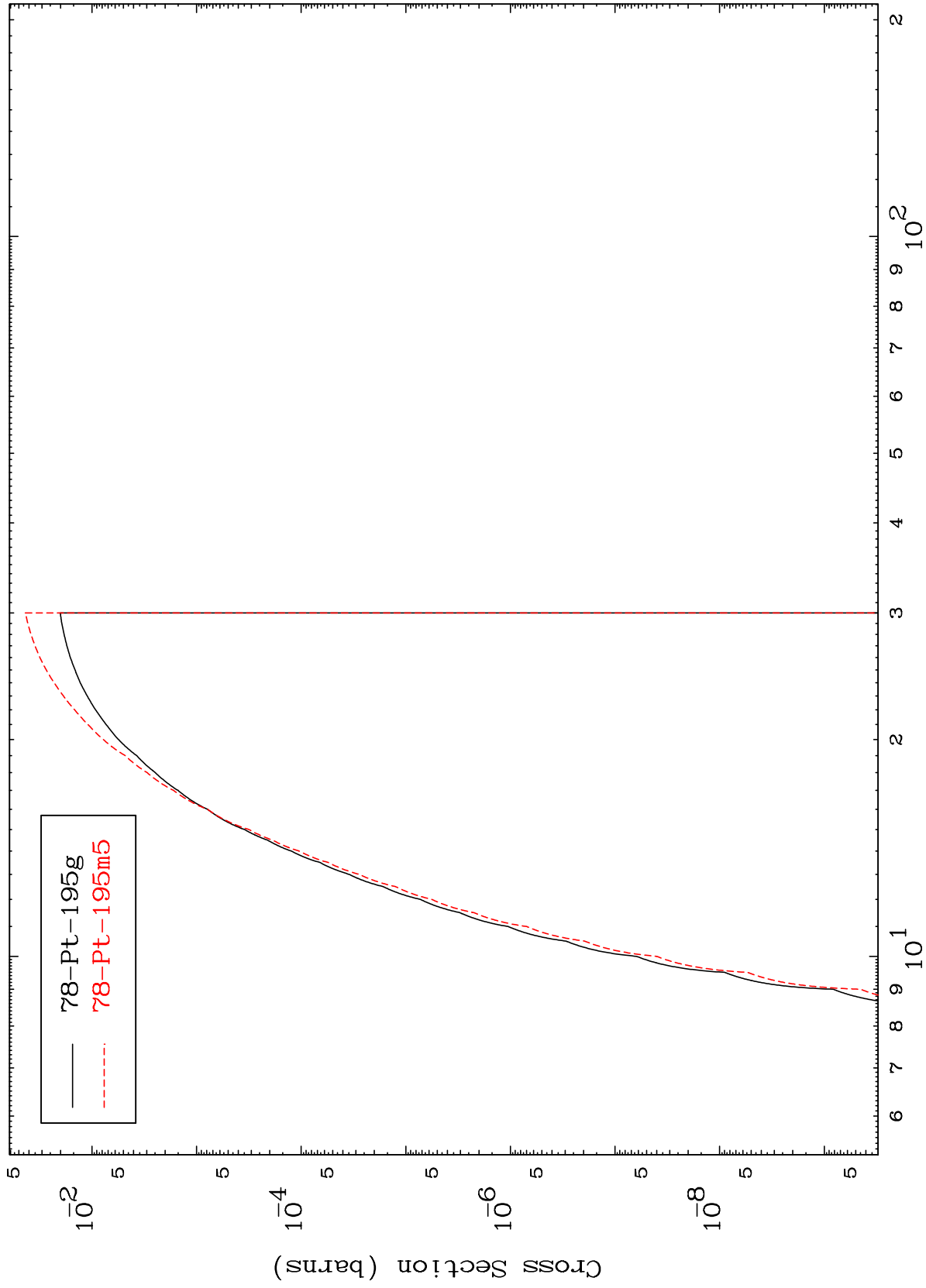
79-Au-196

MAT 7923

(n,n') p

79-Au-196

Radionuclide Production Cross Section



27

Incident Energy (MeV)

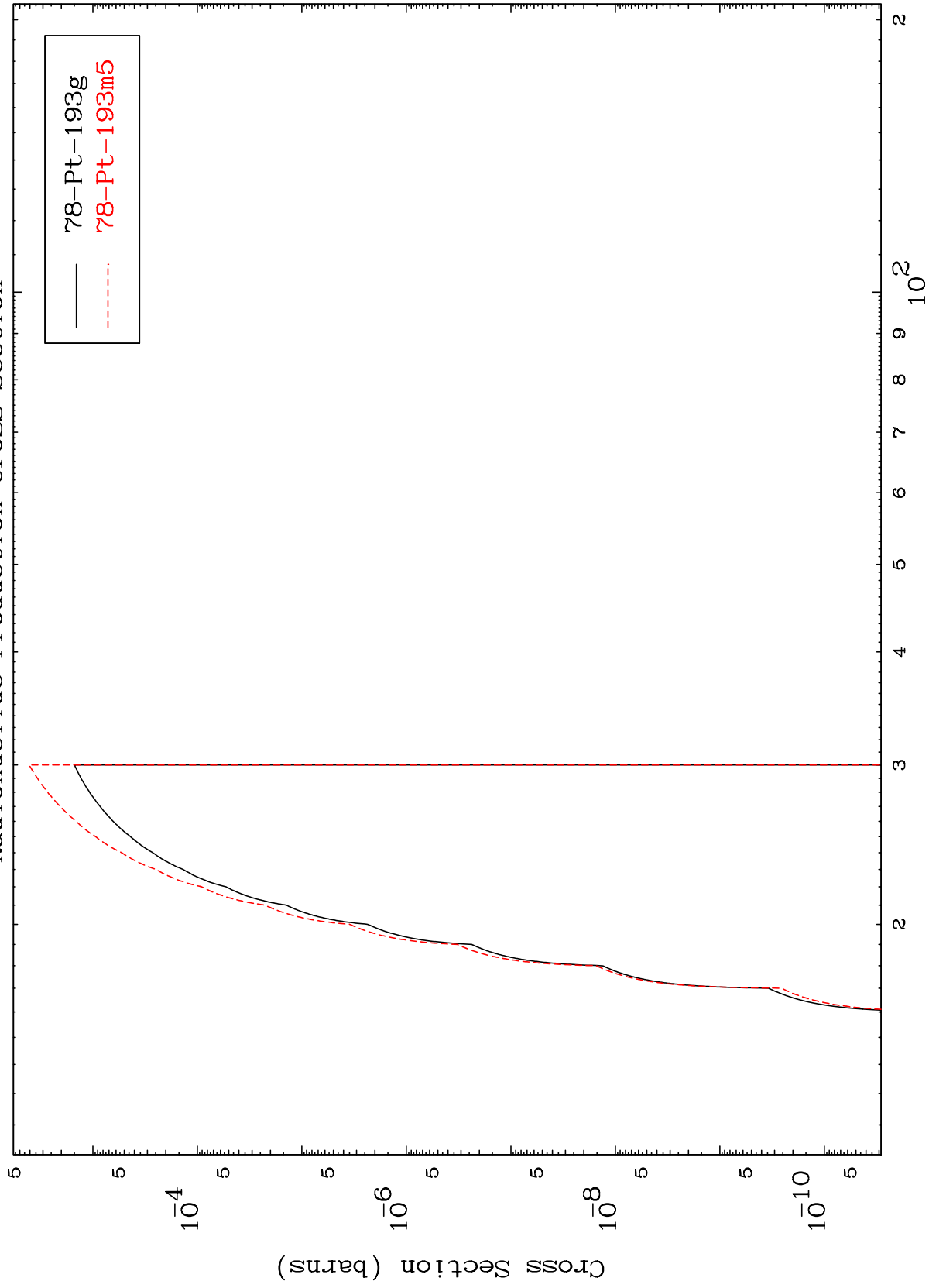
79-Au-196

MAT 7923

(n,n') t

79-Au-196

Radionuclide Production Cross Section



28

Incident Energy (MeV)

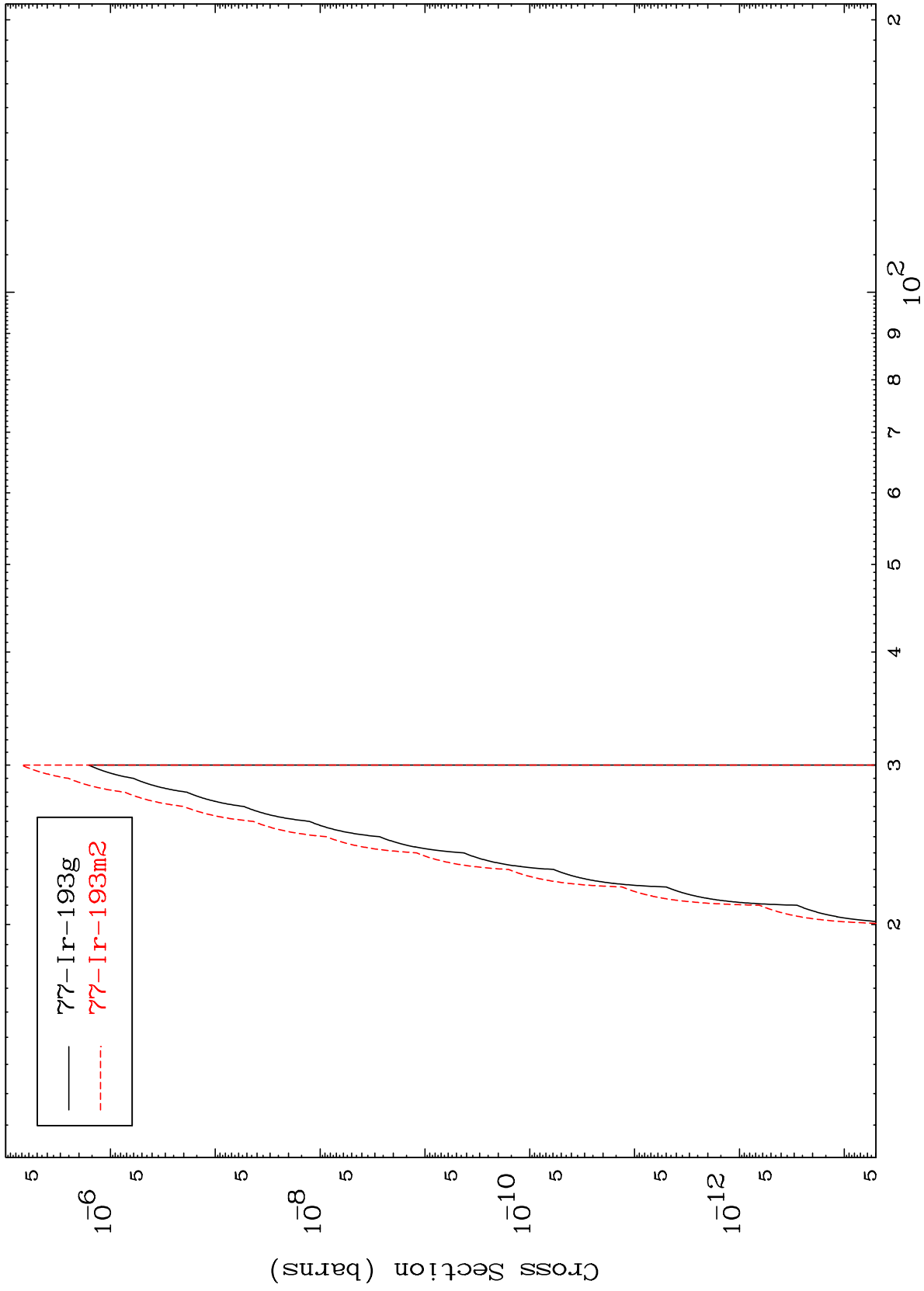
79-Au-196

MAT 7923

(n, n') He-3

79-Au-196

Radionuclide Production Cross Section



29

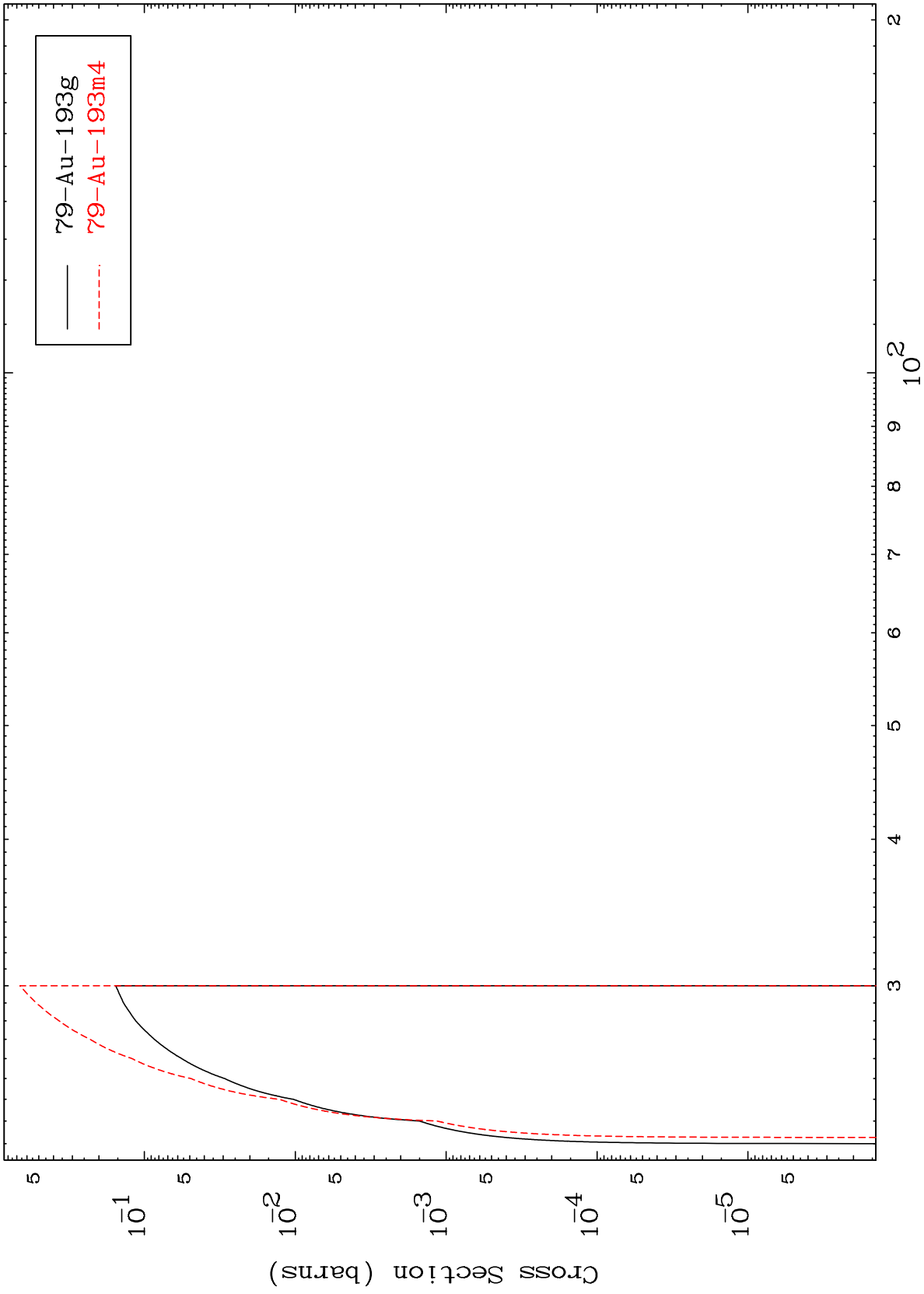
Incident Energy (MeV)

79-Au-196

MAT 7923

⁷⁹Au-196

(n,4n)
Radionuclide Production Cross Section



30

⁷⁹Au-196

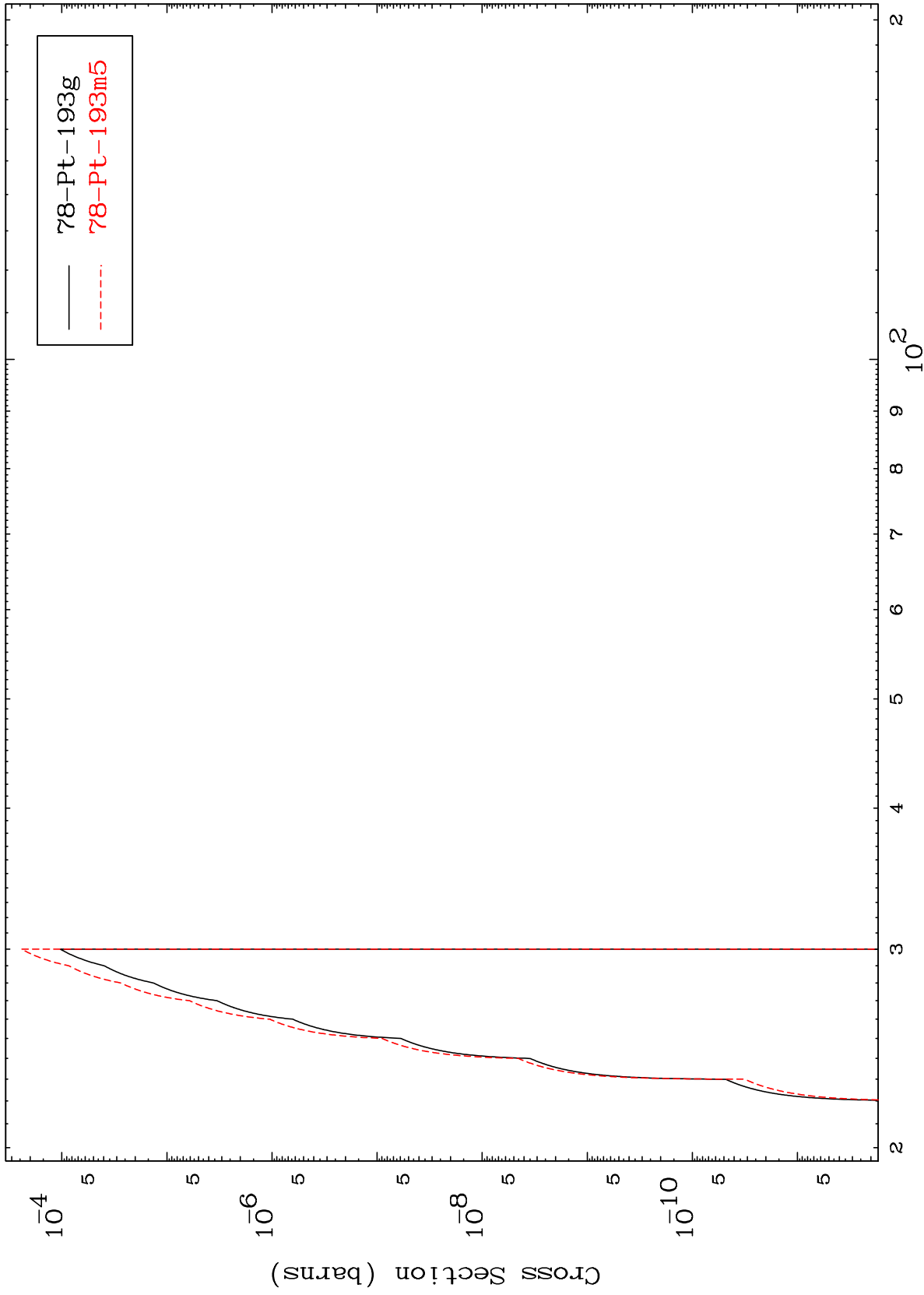
Incident Energy (MeV)

MAT 7923

(n,3n) p

79-Au-196

Radionuclide Production Cross Section



31

Incident Energy (MeV)

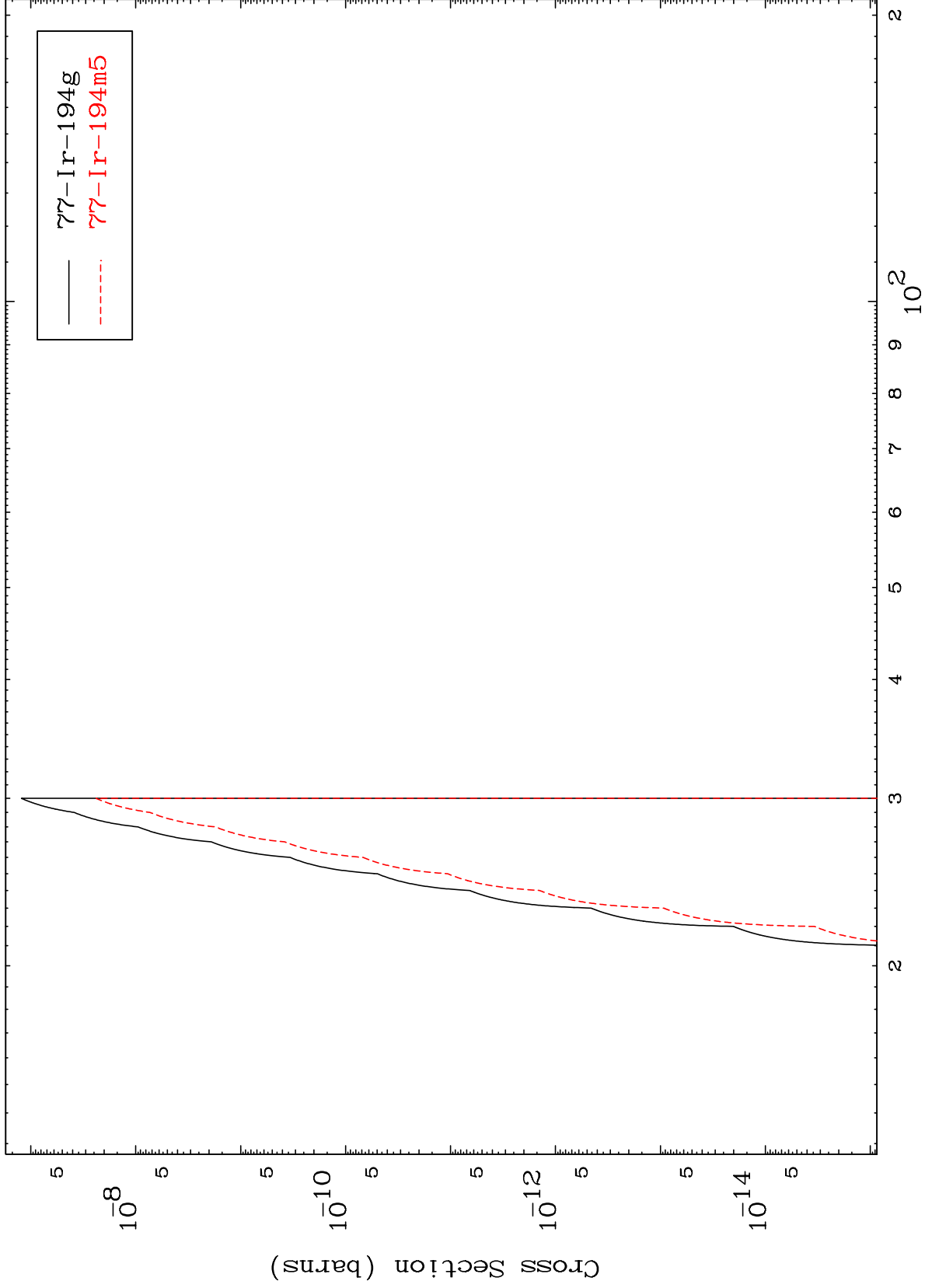
79-Au-196

MAT 7923

(n,2n) p

79-Au-196

Radionuclide Production Cross Section



32

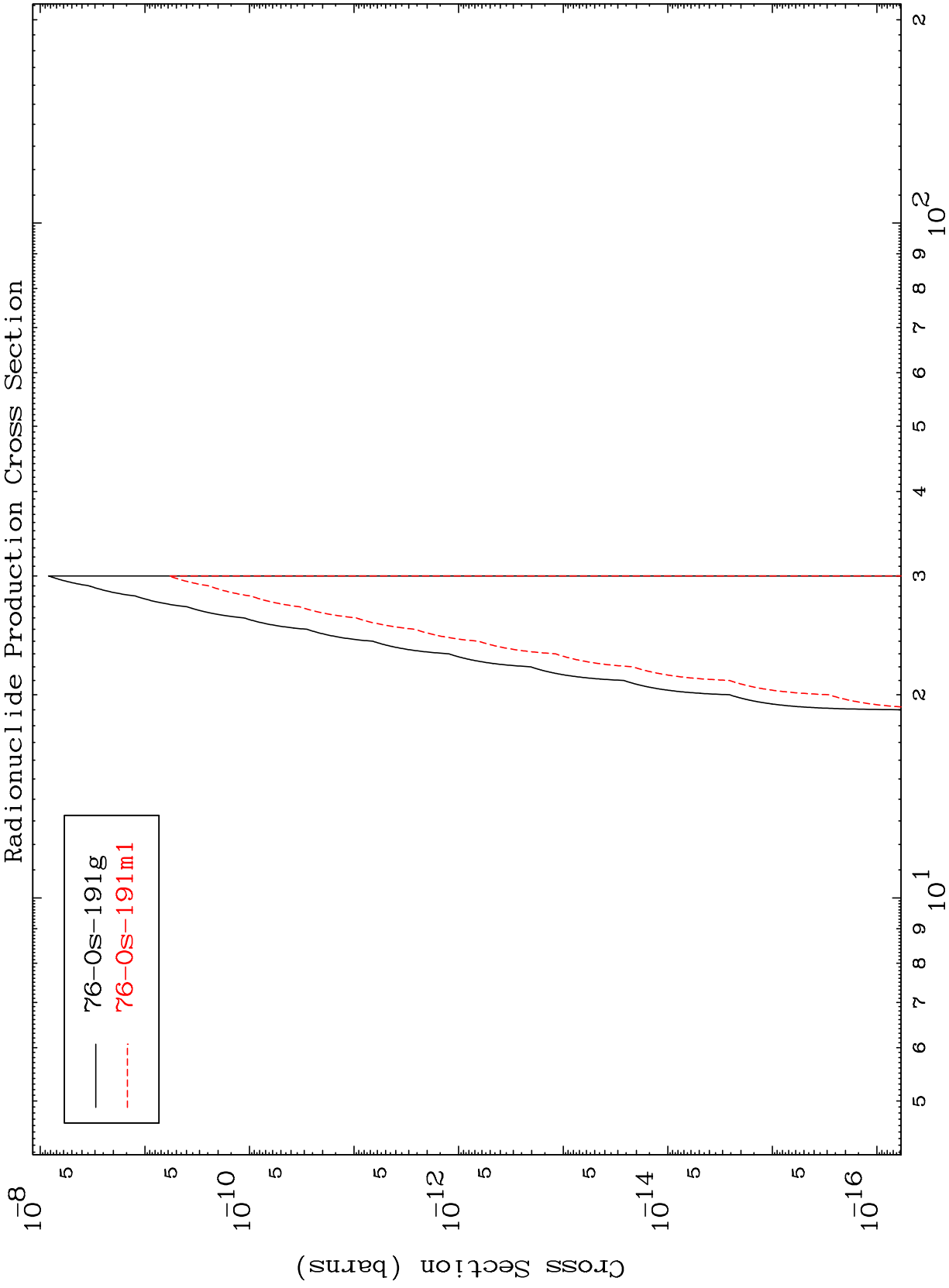
Incident Energy (MeV)

79-Au-196

MAT 7923

79-Au-196

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



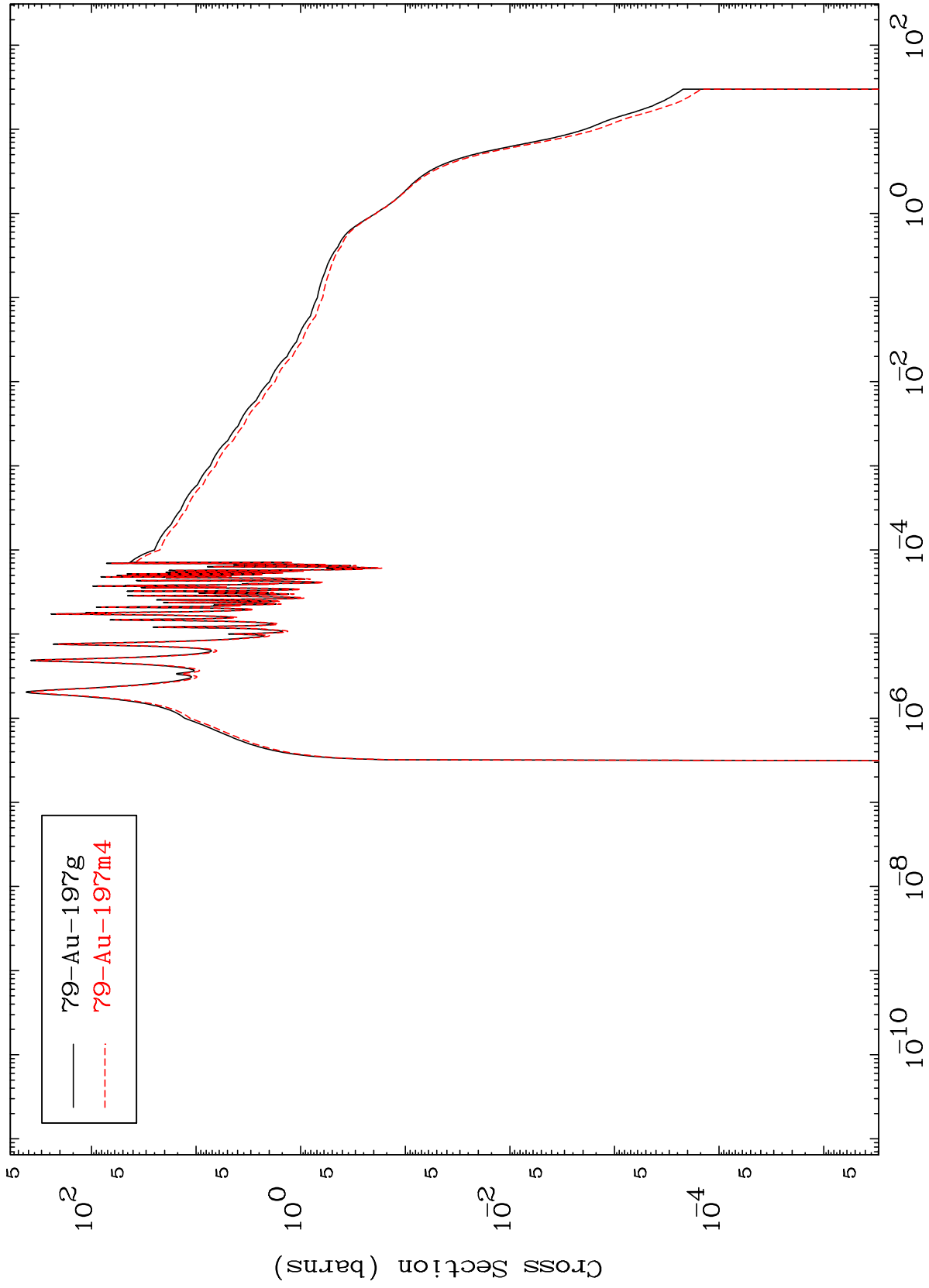
33

79-Au-196

MAT 7923

79-Au-196

(n, γ)
Radionuclide Production Cross Section



34

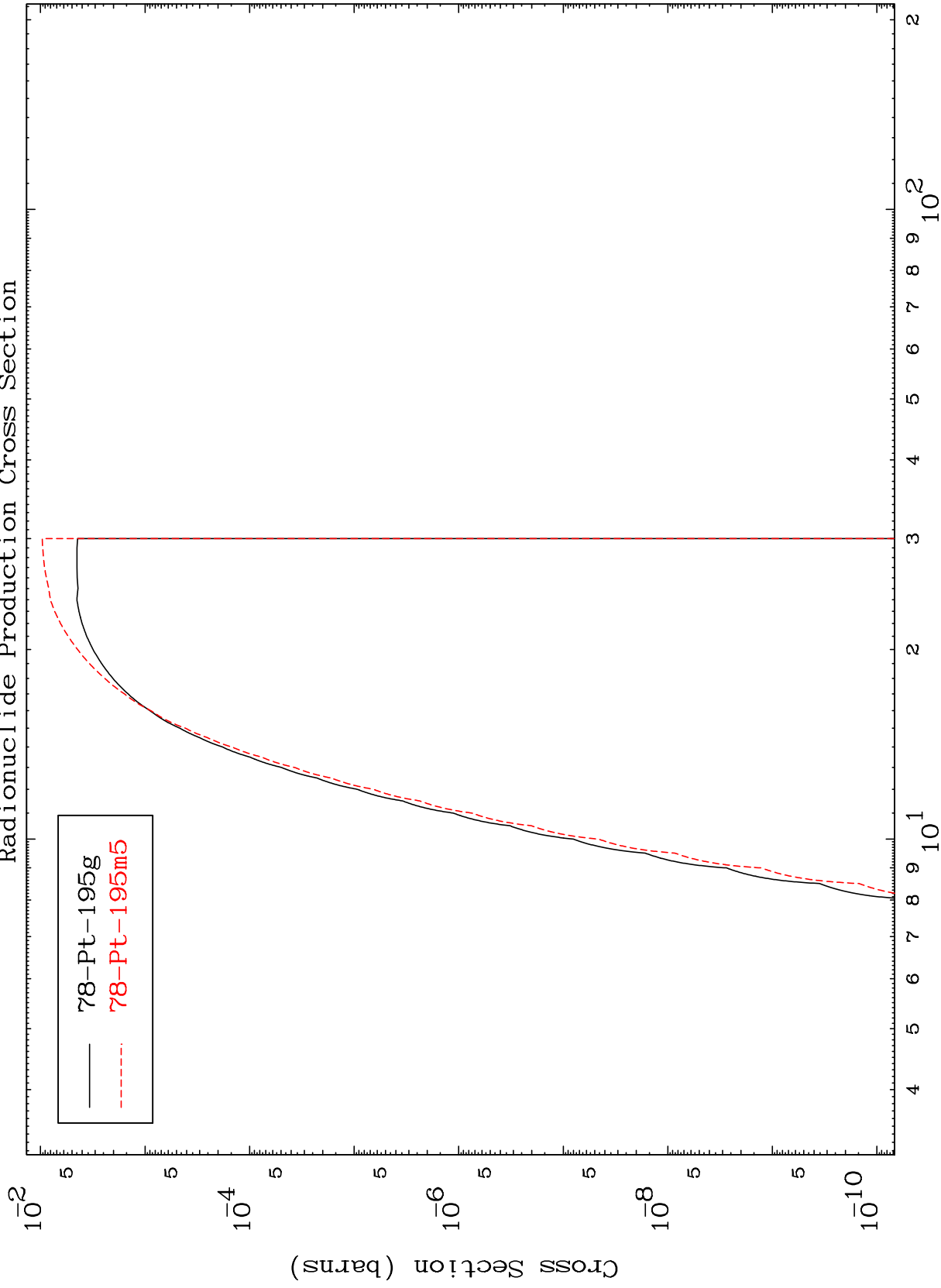
79-Au-196

MAT 7923

(n,d)

⁷⁹Au-196

Radionuclide Production Cross Section



35

Incident Energy (MeV)

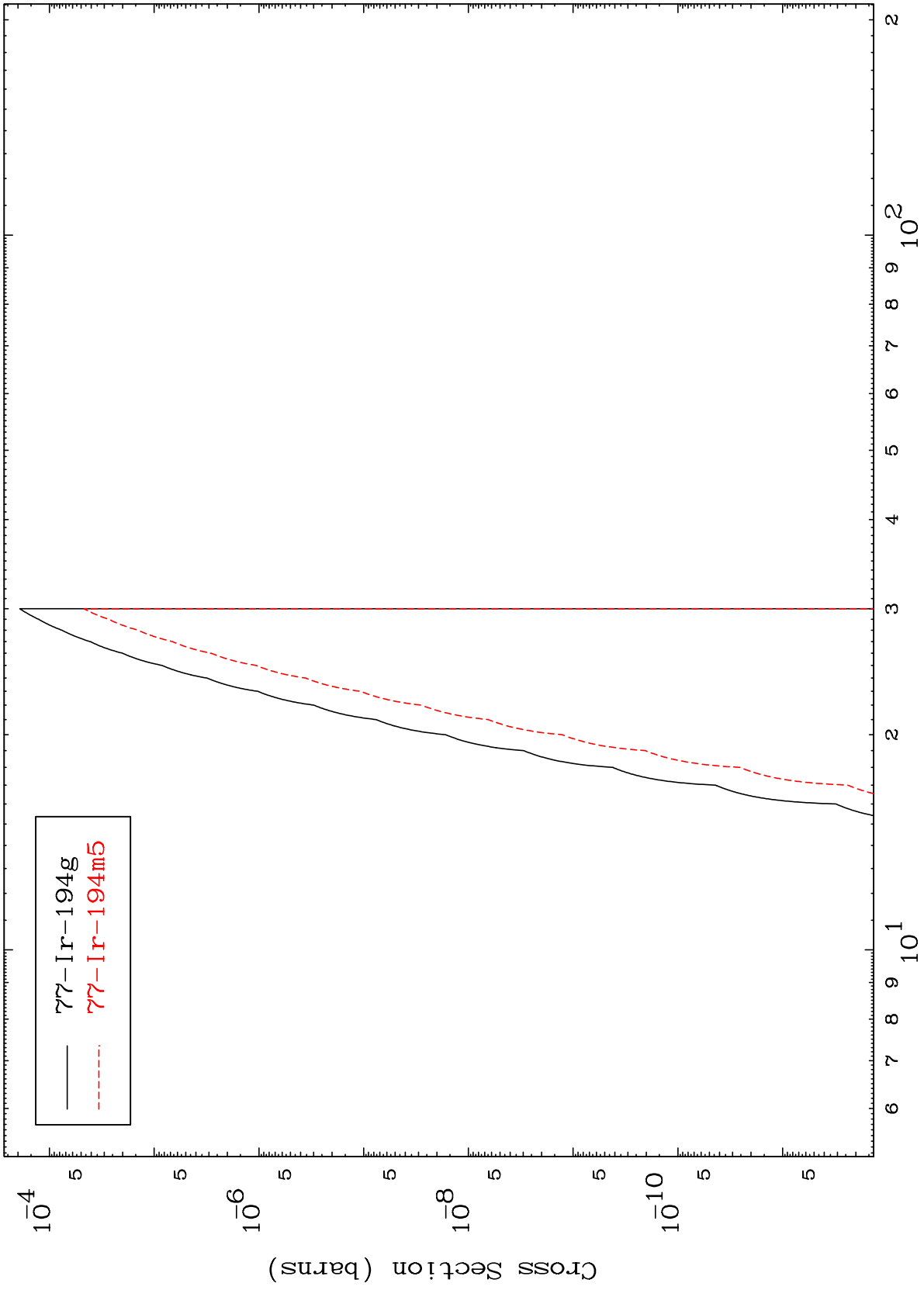
⁷⁹Au-196

MAT 7923

(n, He-3)

79-Au-196

Radionuclide Production Cross Section



36

Incident Energy (MeV)

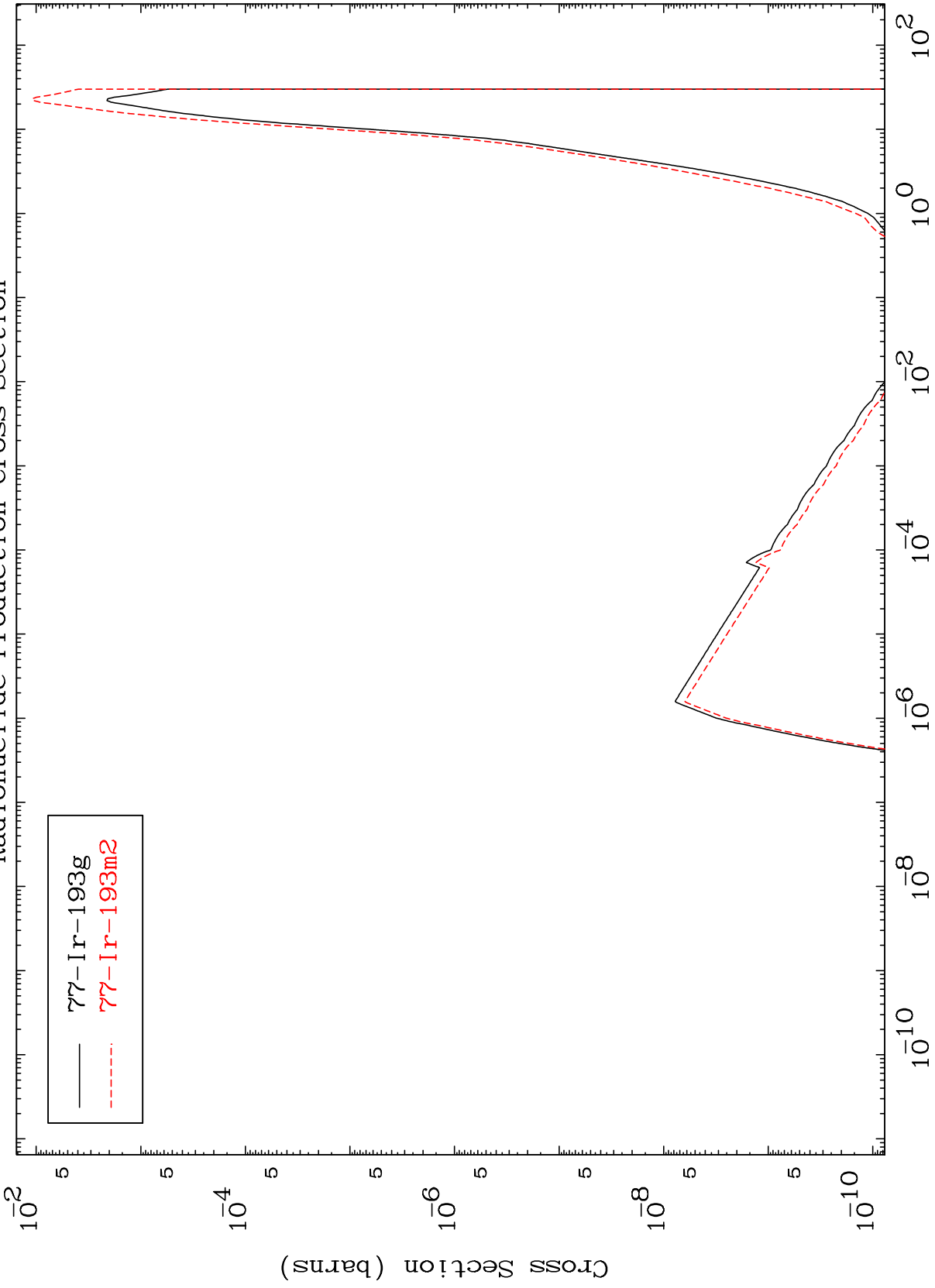
79-Au-196

MAT 7923

(n, α)

79-Au-196

Radionuclide Production Cross Section



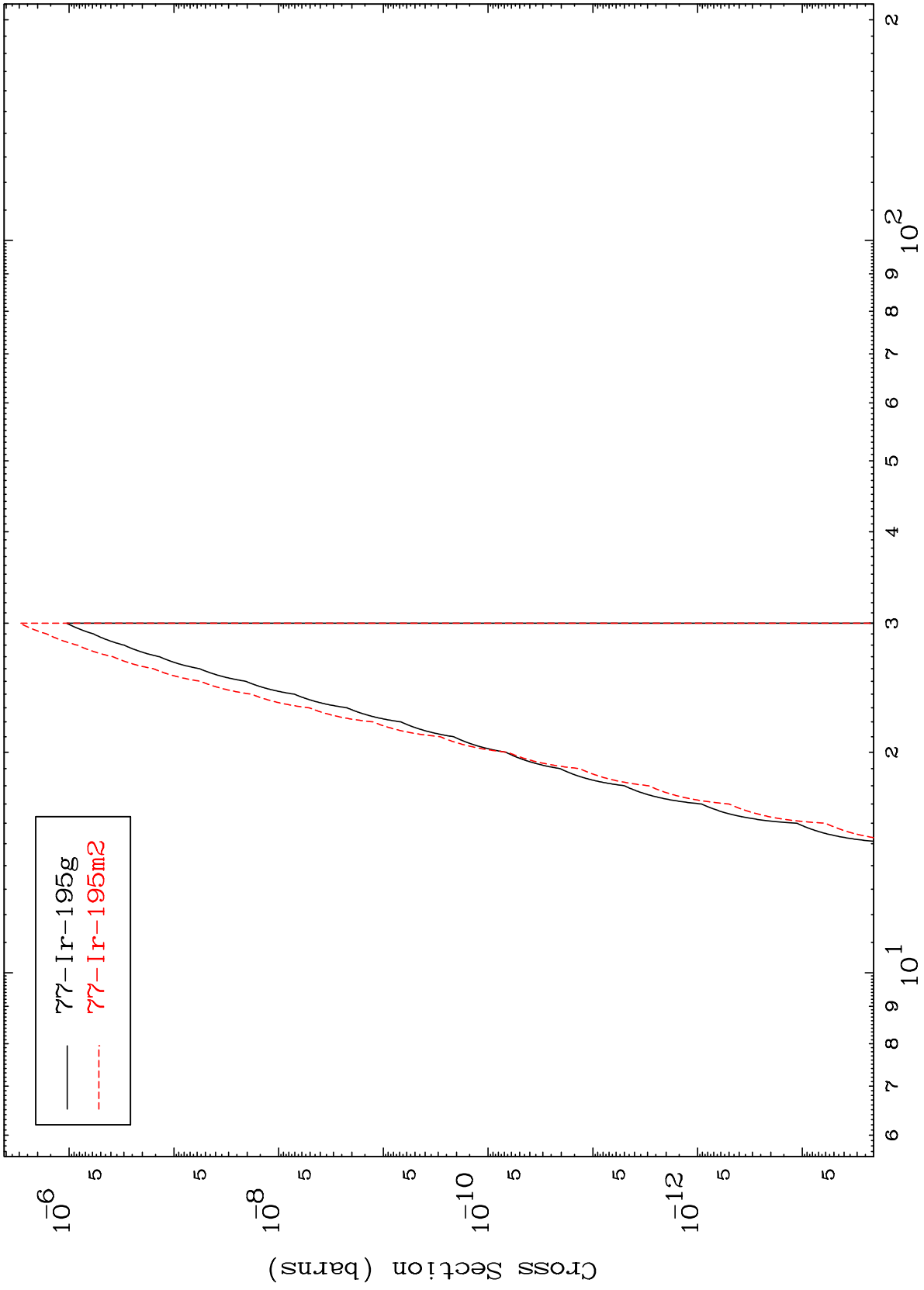
37

79-Au-196

MAT 7923

79-Au-196

(n,2p)
Radionuclide Production Cross Section



38

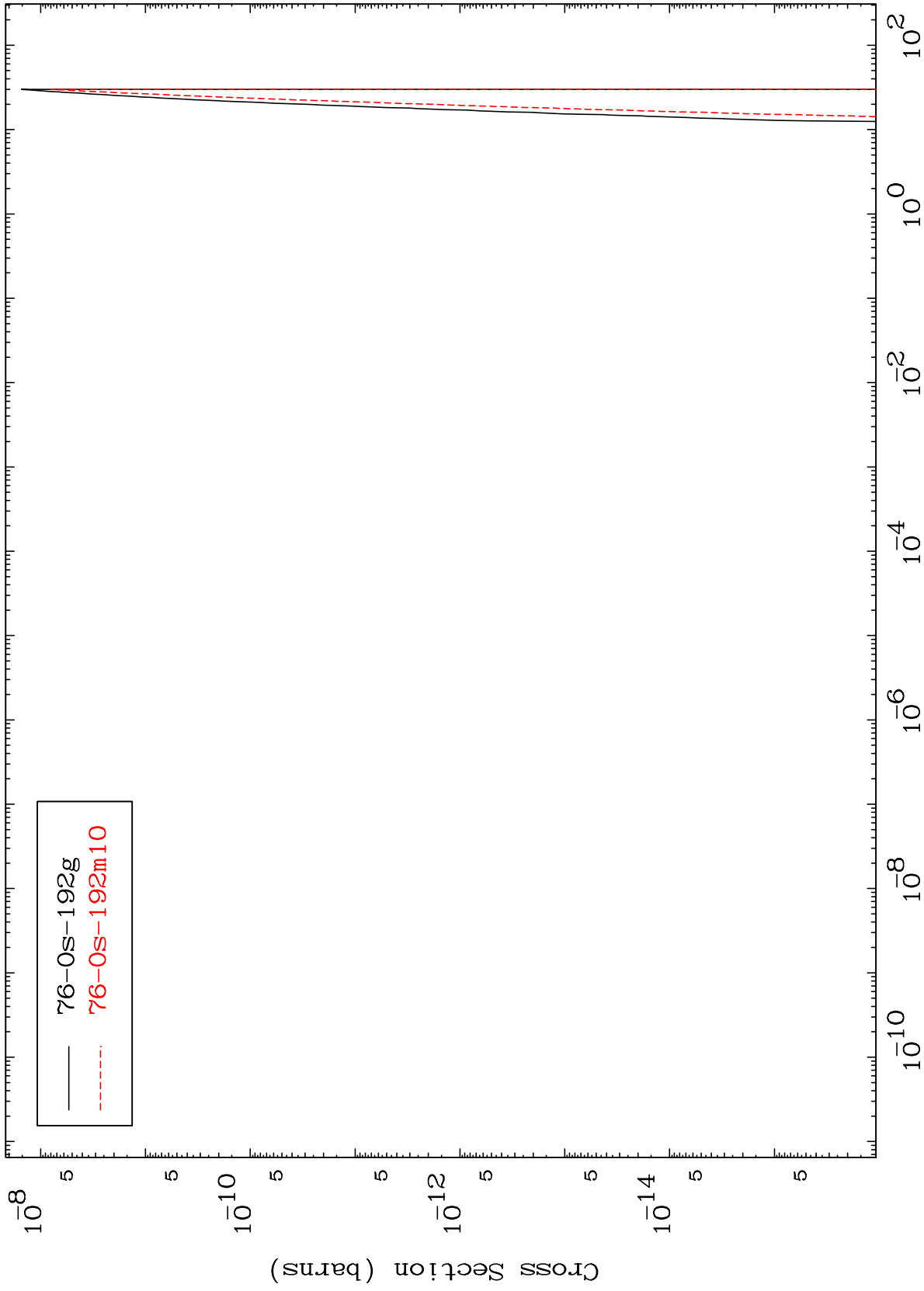
79-Au-196

MAT 7923

(n,p) α

⁷⁹Au-196

Radionuclide Production Cross Section



39

Incident Energy (MeV)

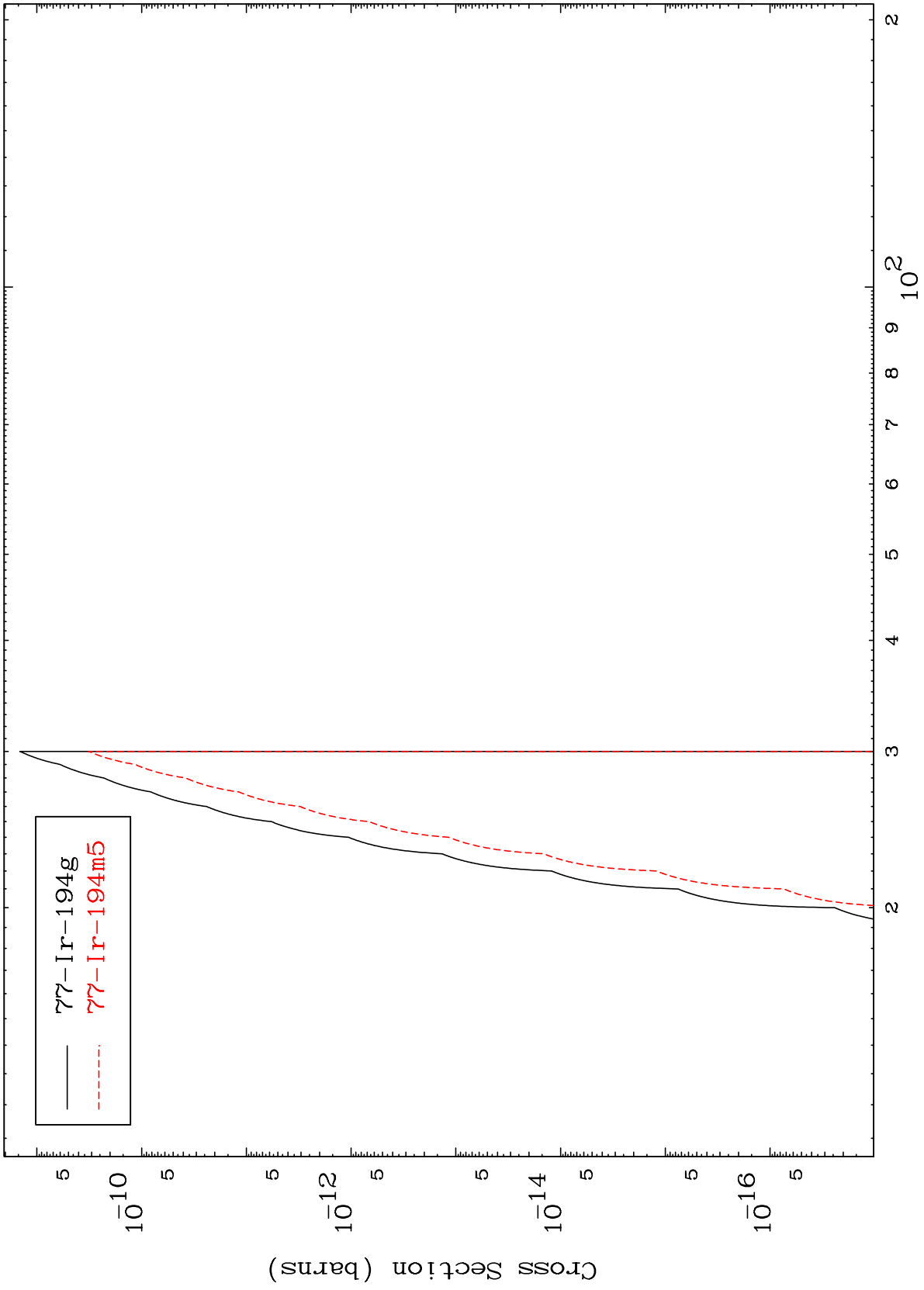
⁷⁹Au-196

MAT 7923

(n,p) d

⁷⁹Au-196

Radionuclide Production Cross Section



40

Incident Energy (MeV)

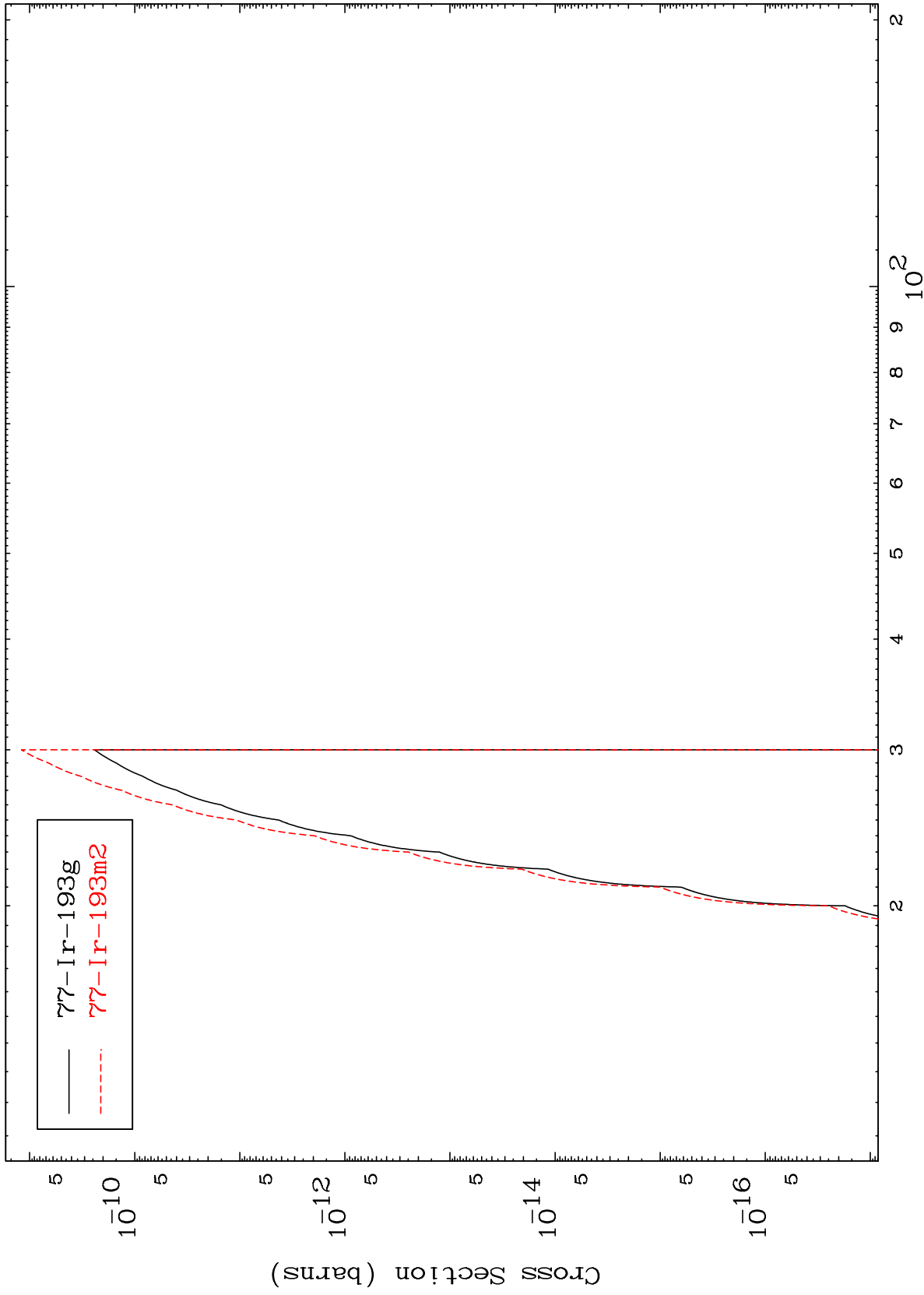
⁷⁹Au-196

MAT 7923

(n,p) t

79-Au-196

Radionuclide Production Cross Section



41

Incident Energy (MeV)

79-Au-196