

Program EVALPLOT
(Version 2018-1)

by

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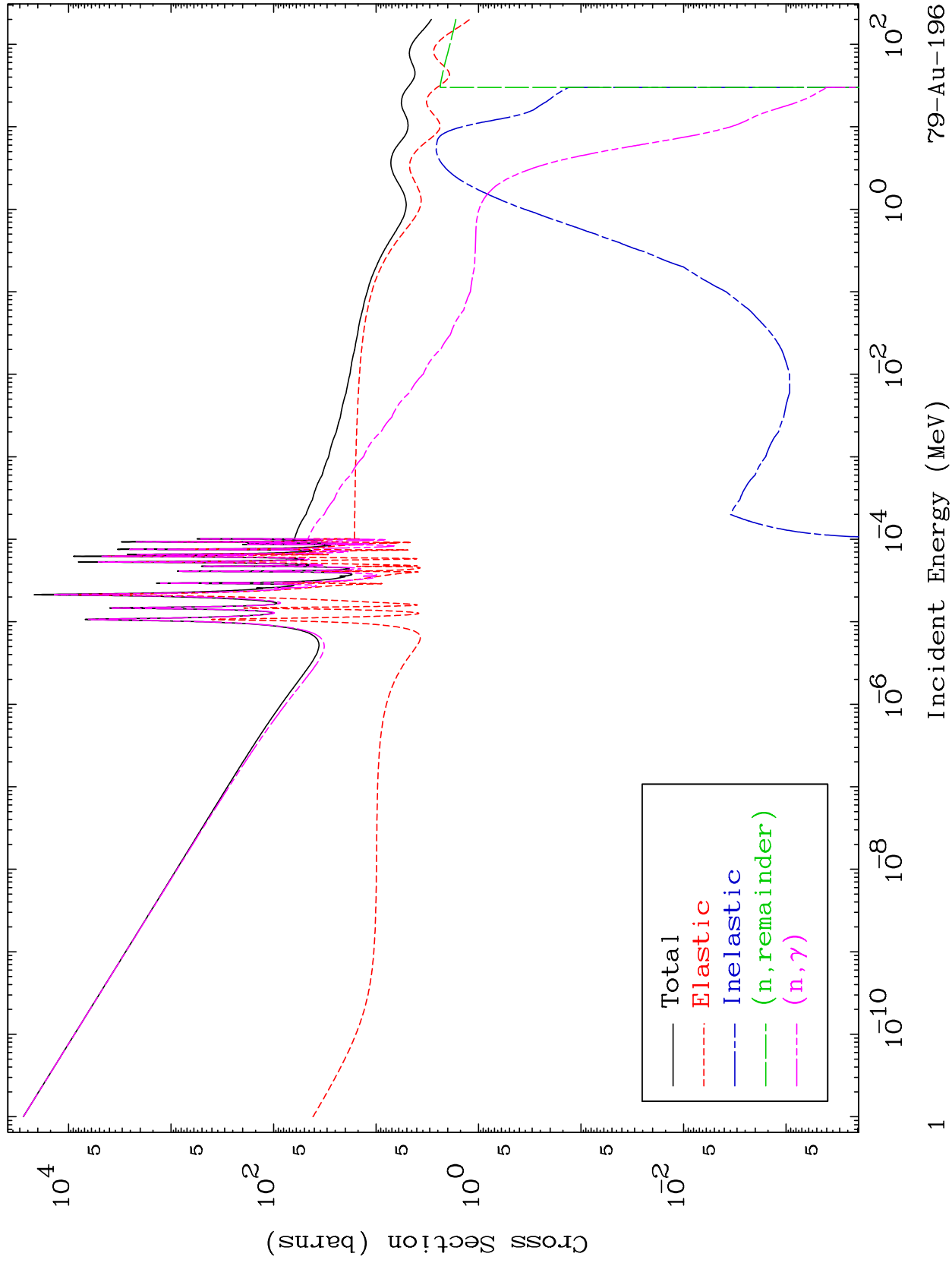
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7924

Major
293 Kelvin Cross Sections

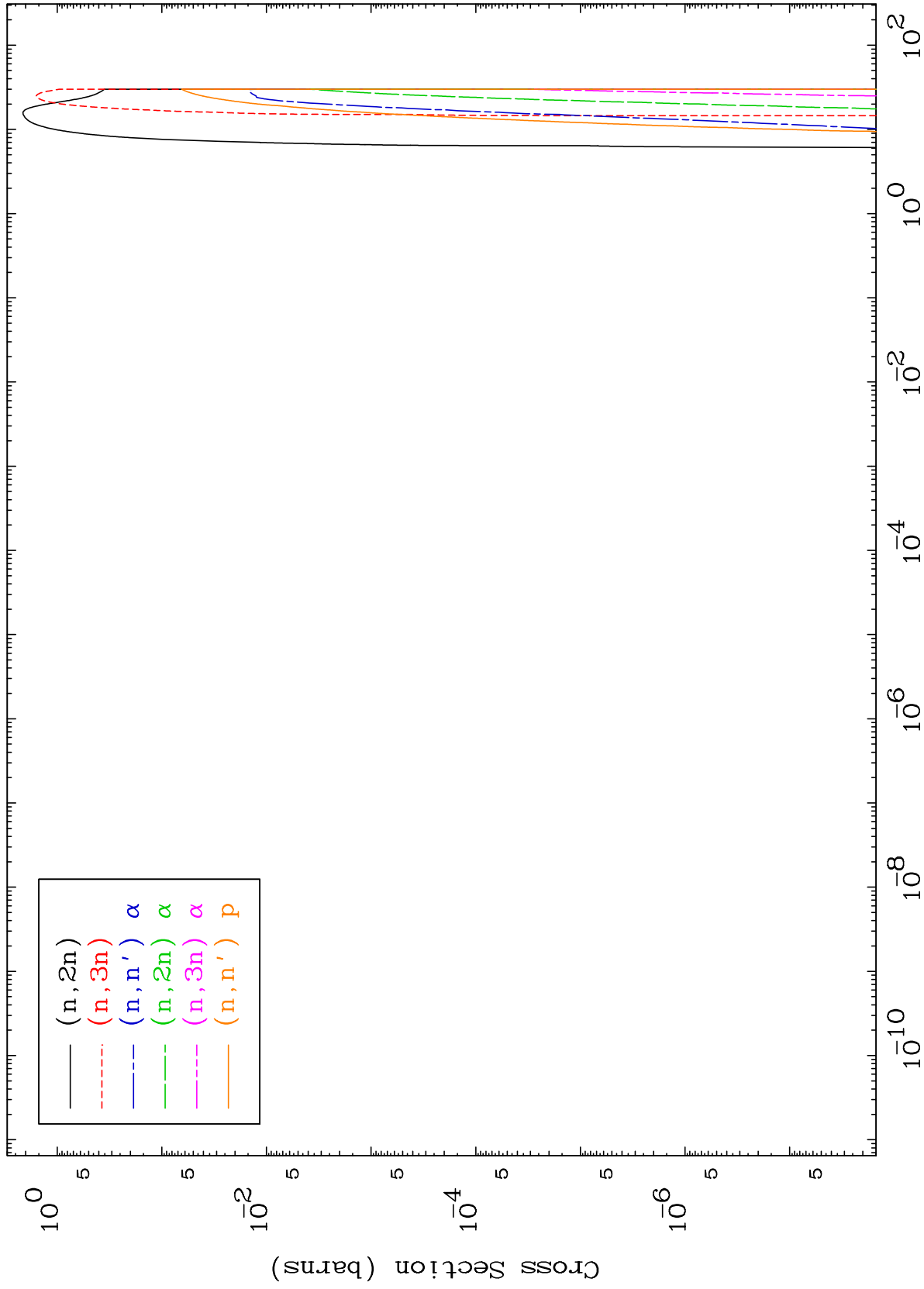
79-Au-196



MAT 7924

Neutron Production
293 Kelvin Cross Sections

79-Au-196



2

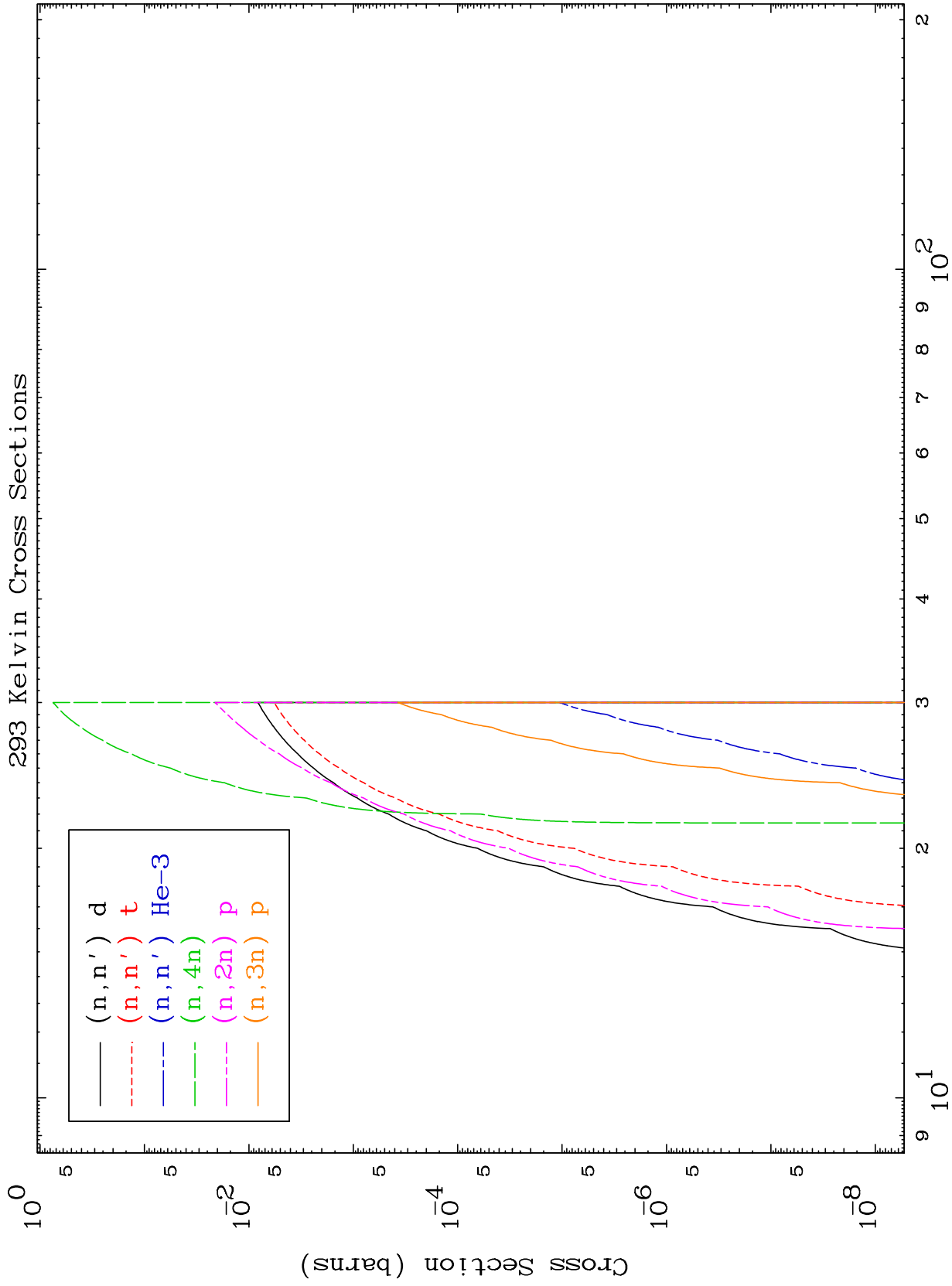
Incident Energy (MeV)

79-Au-196

MAT 7924

Neutron Production
293 Kelvin Cross Sections

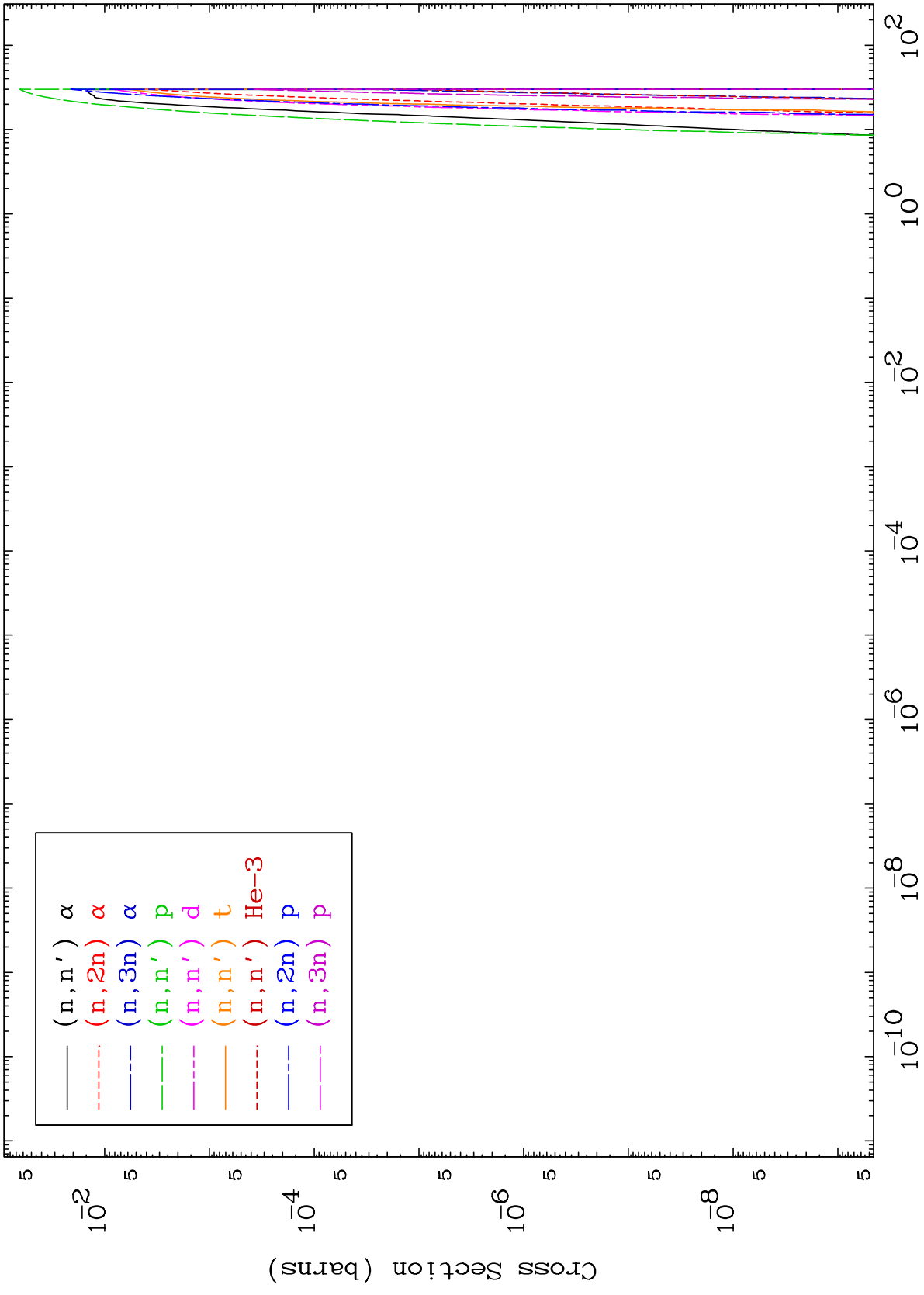
79-Au-196

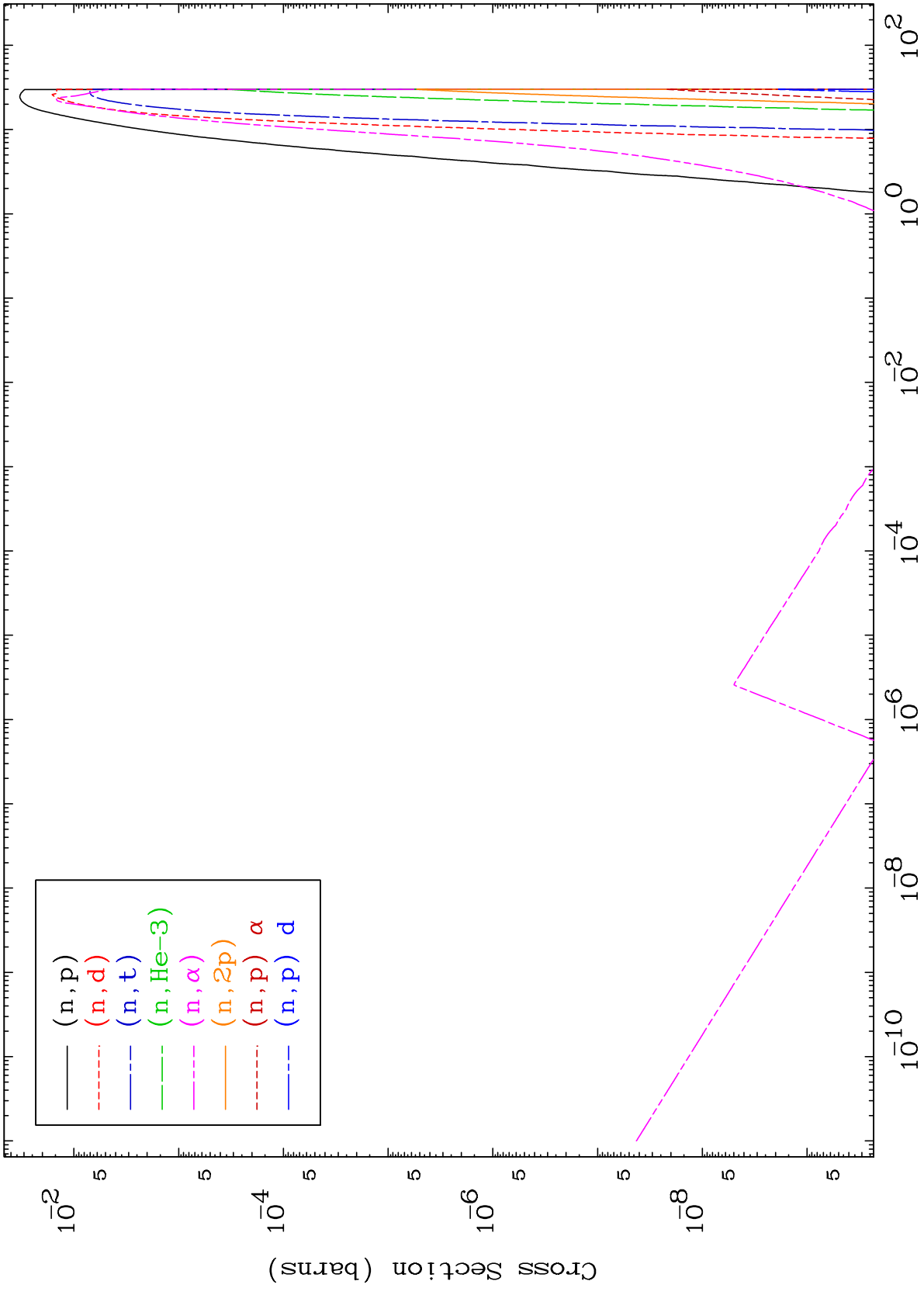


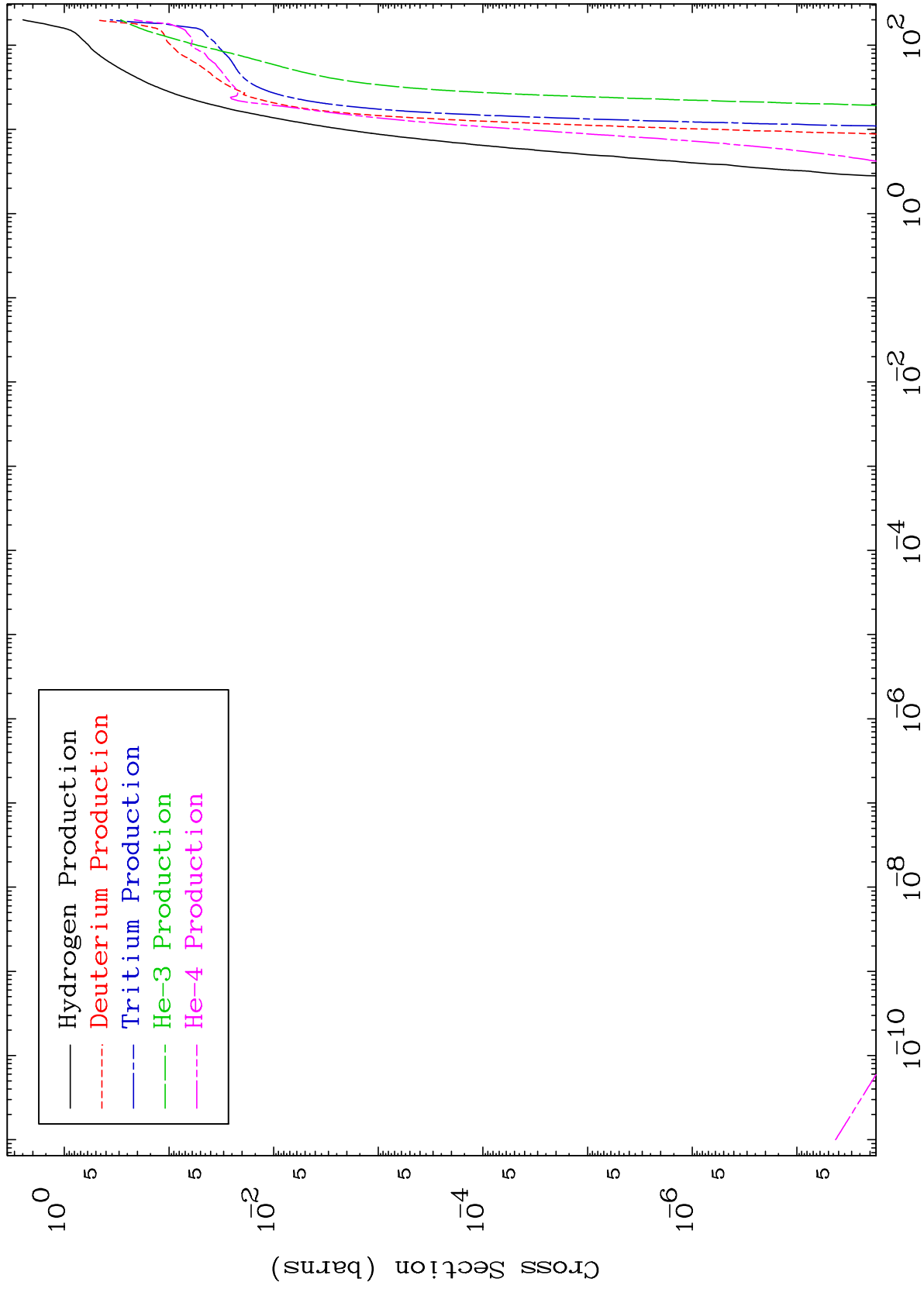
3

Incident Energy (MeV)

79-Au-196



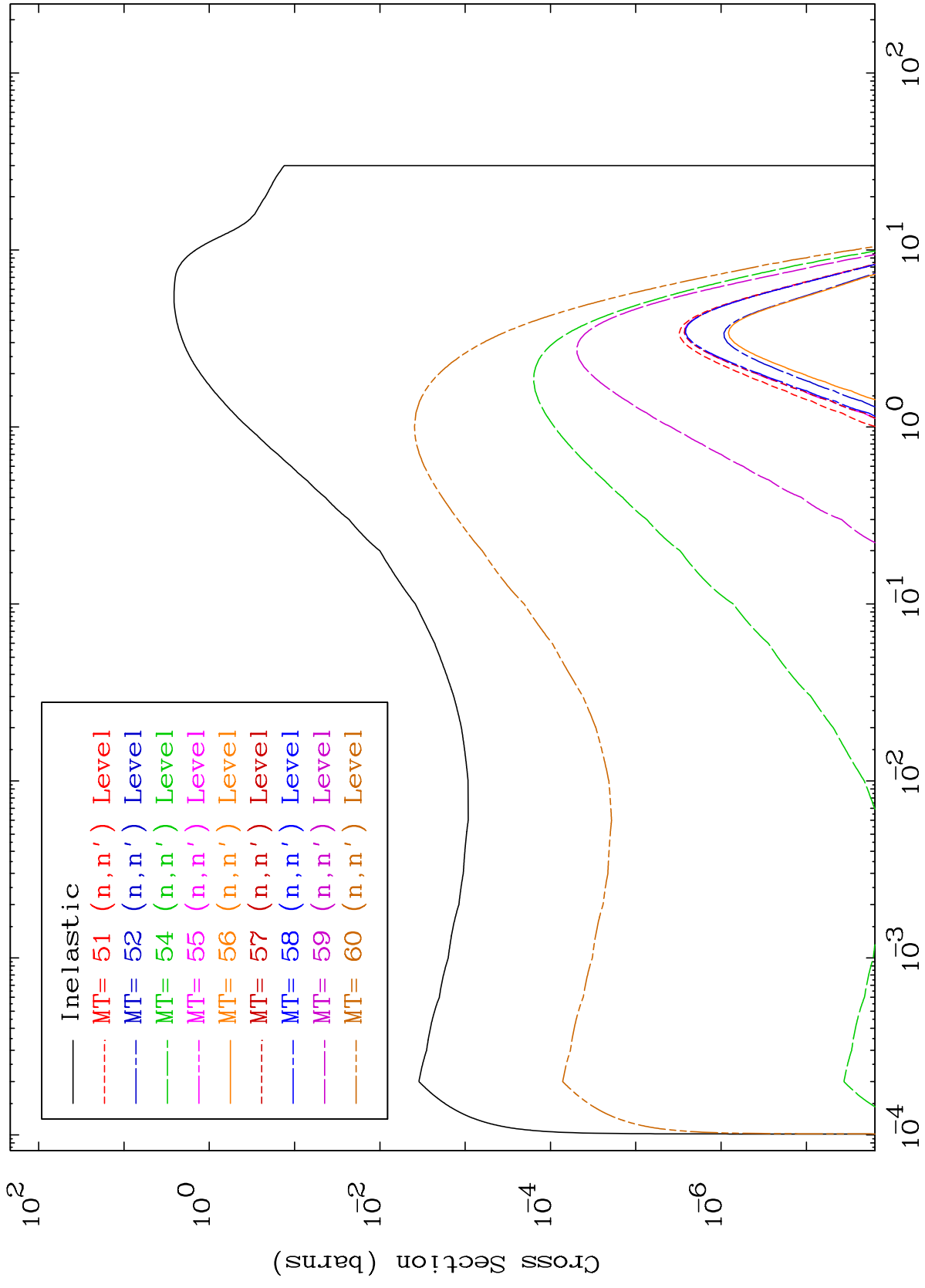




MAT 7924

293 Kelvin Cross Sections

79-Au-196



—	Inelastic
- - -	MT= 51 (n, n') Level
- · - ·	MT= 52 (n, n') Level
- - -	MT= 54 (n, n') Level
- - -	MT= 55 (n, n') Level
- - -	MT= 56 (n, n') Level
- - -	MT= 57 (n, n') Level
- - -	MT= 58 (n, n') Level
- - -	MT= 59 (n, n') Level
- - -	MT= 60 (n, n') Level

79-Au-196

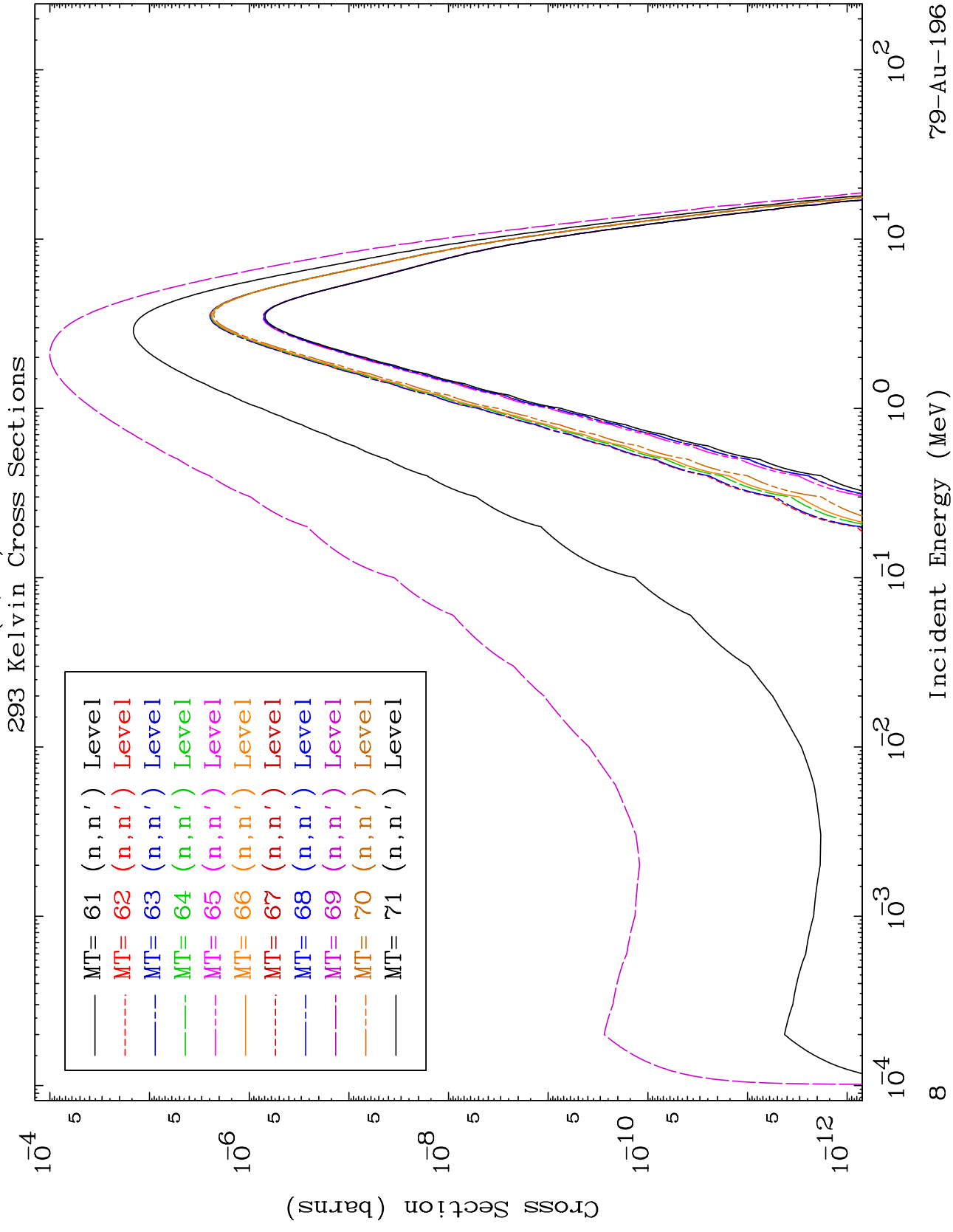
Incident Energy (MeV)

7

MAT 7924

(n,n') Level

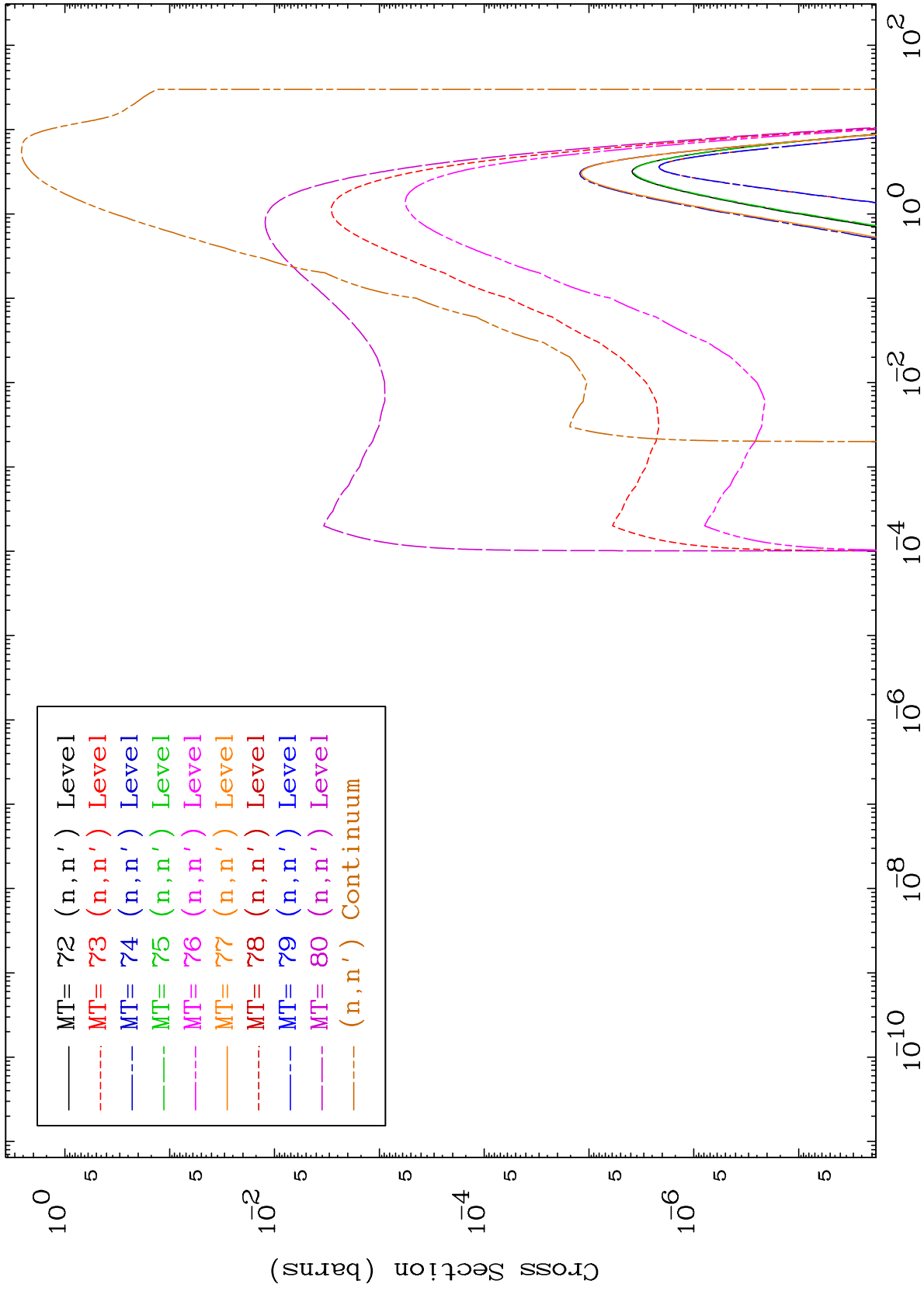
79-Au-196



MAT 7924

293 Kelvin Cross Sections

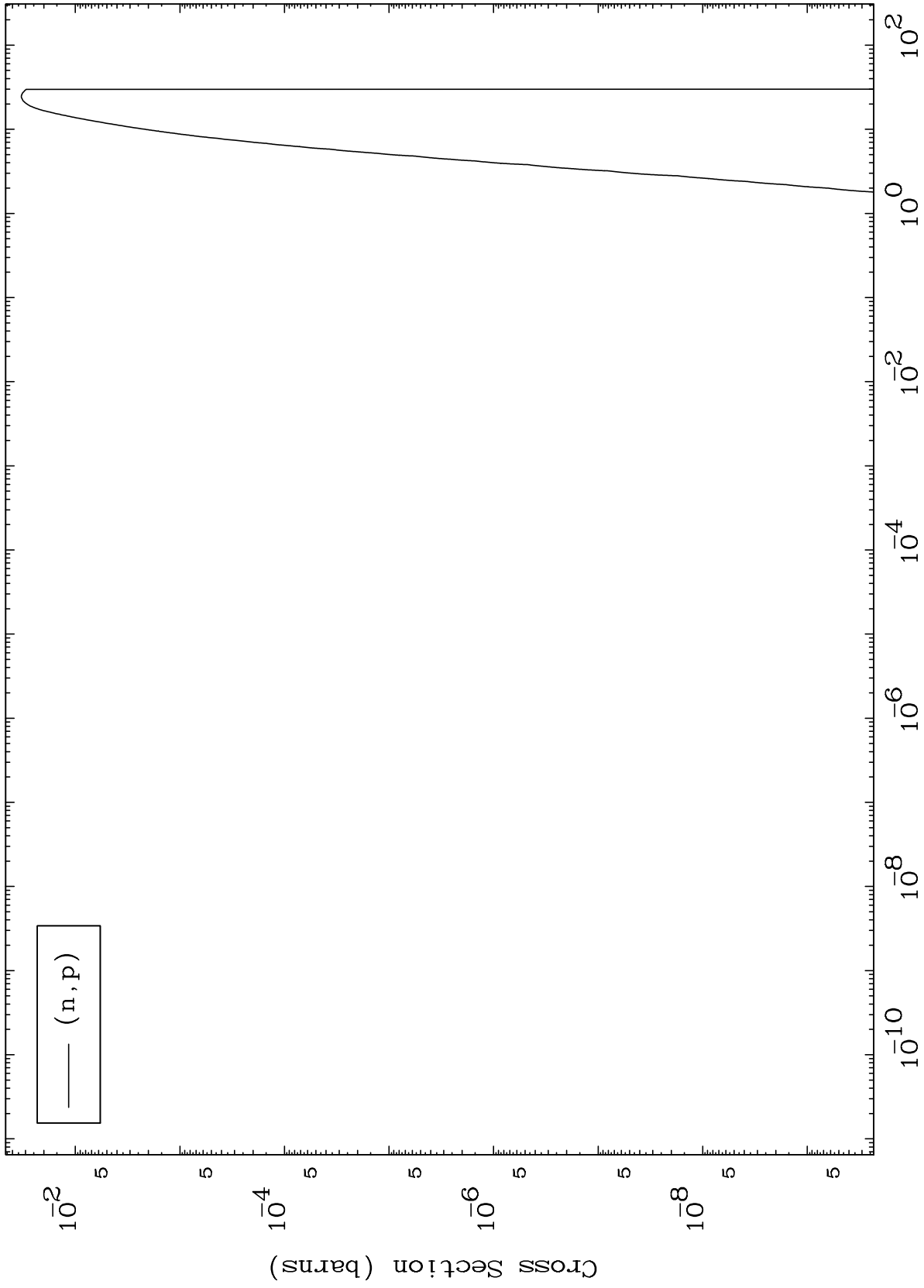
79-Au-196



MAT 7924

(n,p) Levels
293 Kelvin Cross Sections

79-Au-196



10

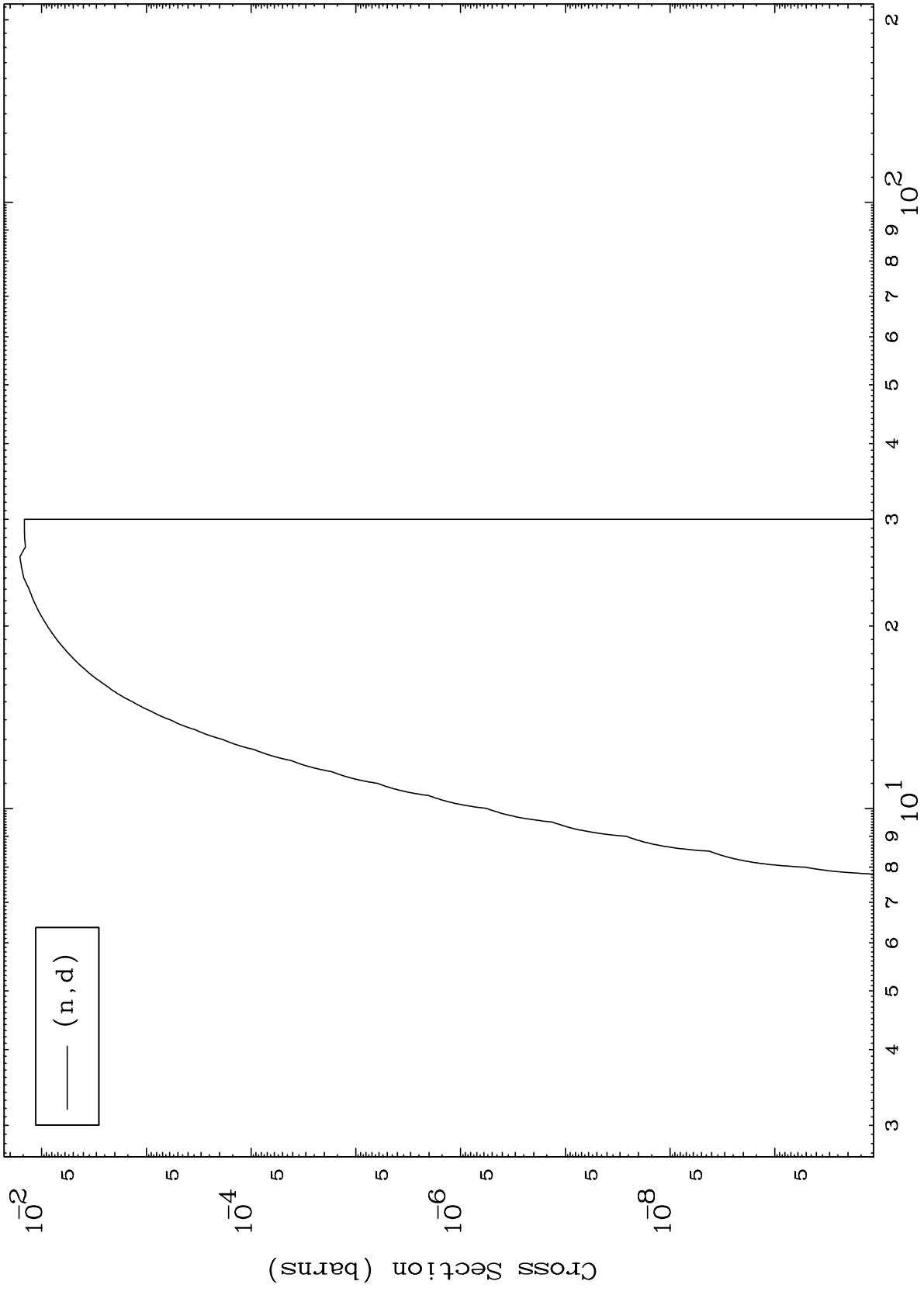
Incident Energy (MeV)

79-Au-196

MAT 7924

(n,d) Levels
293 Kelvin Cross Sections

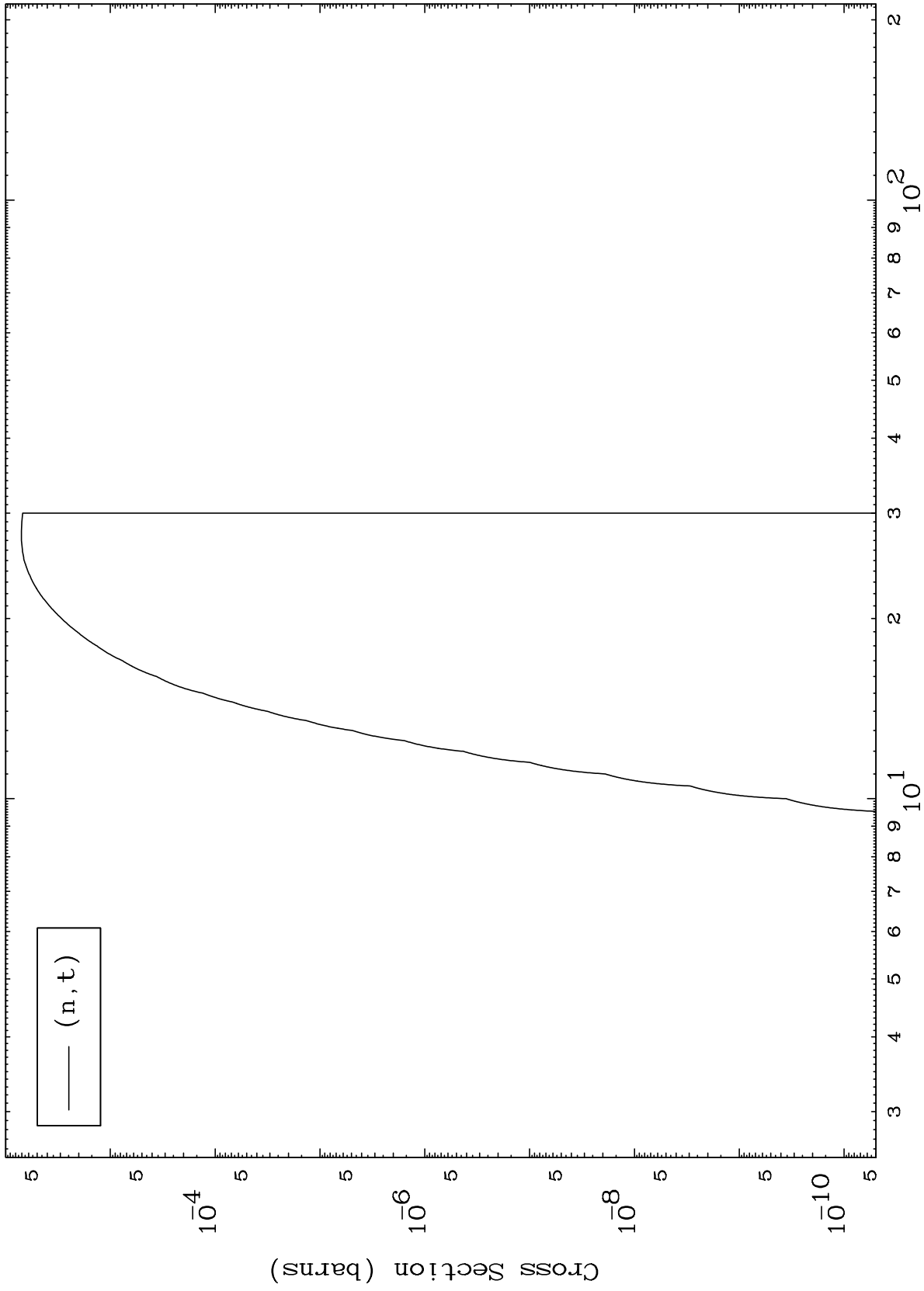
79-Au-196



MAT 7924

(n,t) Levels
293 Kelvin Cross Sections

79-Au-196



12

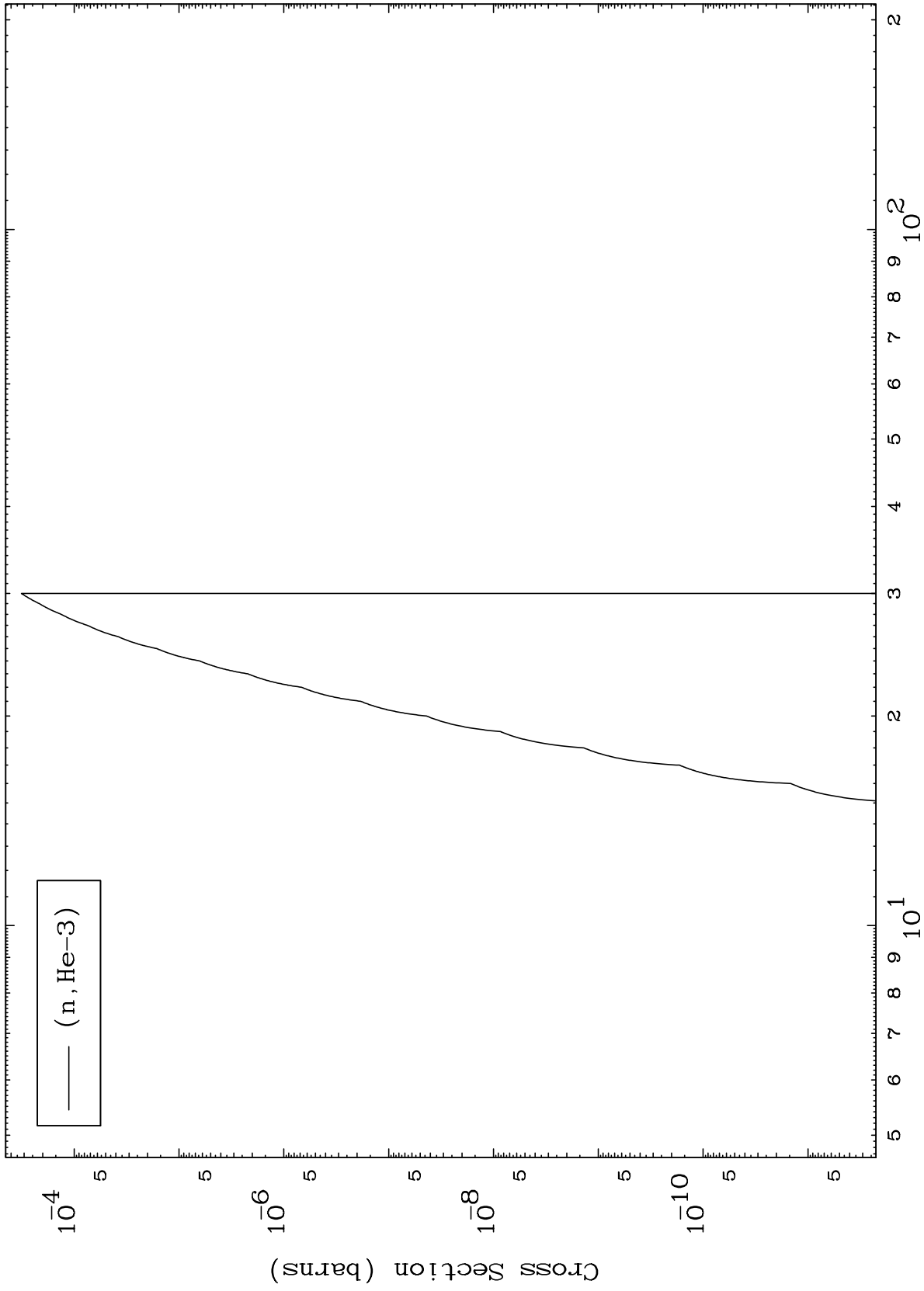
Incident Energy (MeV)

79-Au-196

MAT 7924

(n,He3) Levels
293 Kelvin Cross Sections

79-Au-196



13

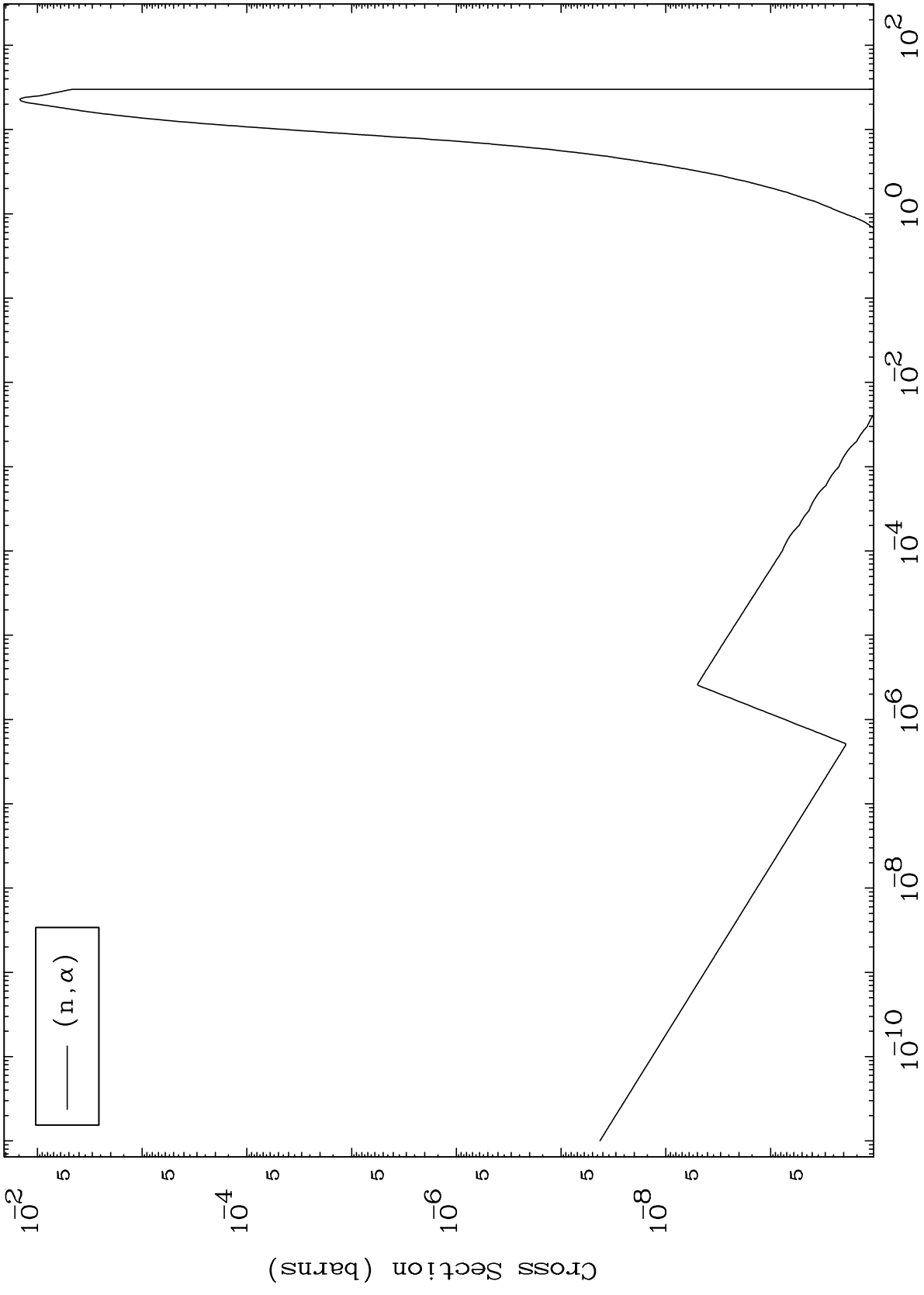
Incident Energy (MeV)

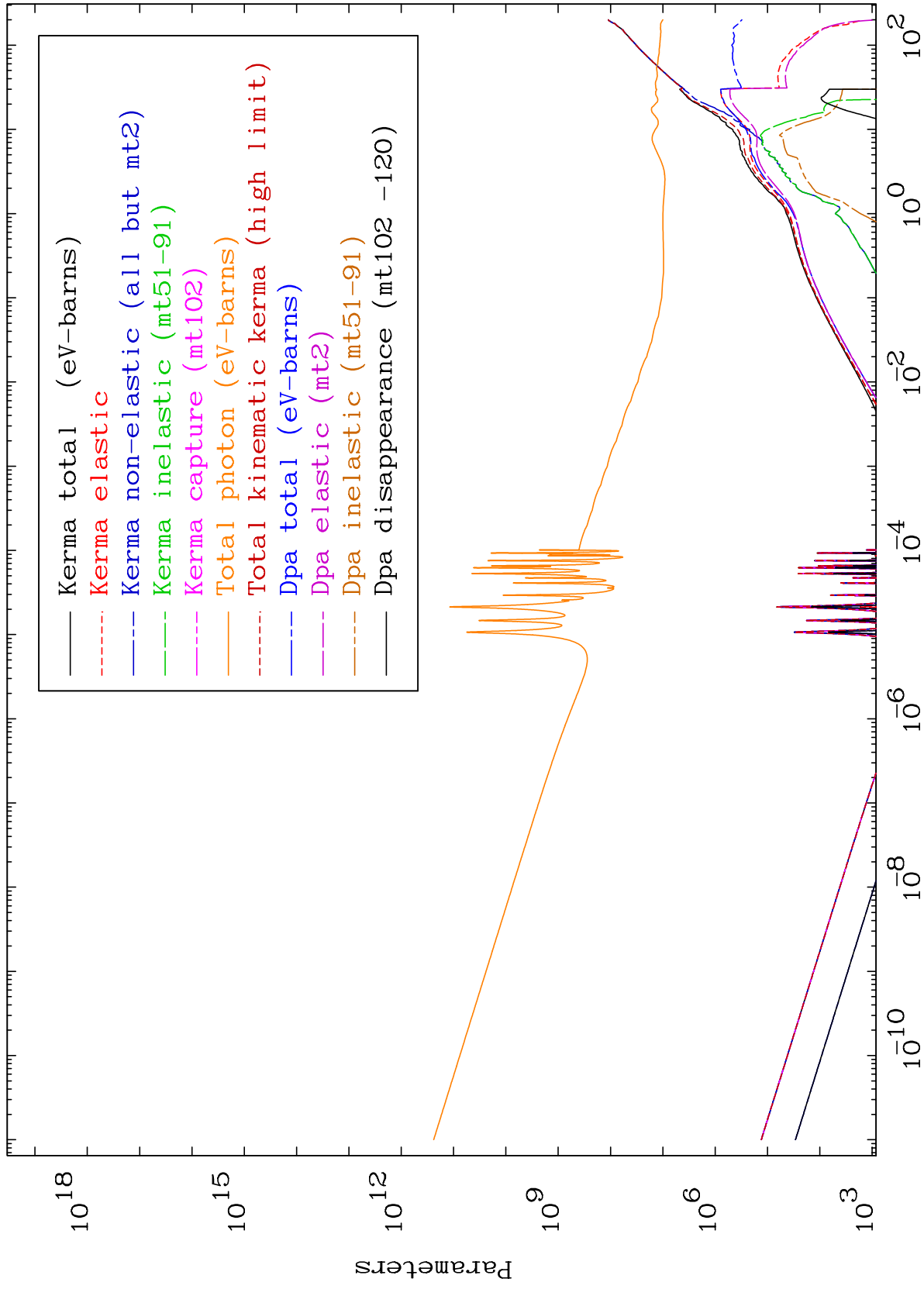
79-Au-196

MAT 7924

(n,α) Levels
293 Kelvin Cross Sections

79-Au-196

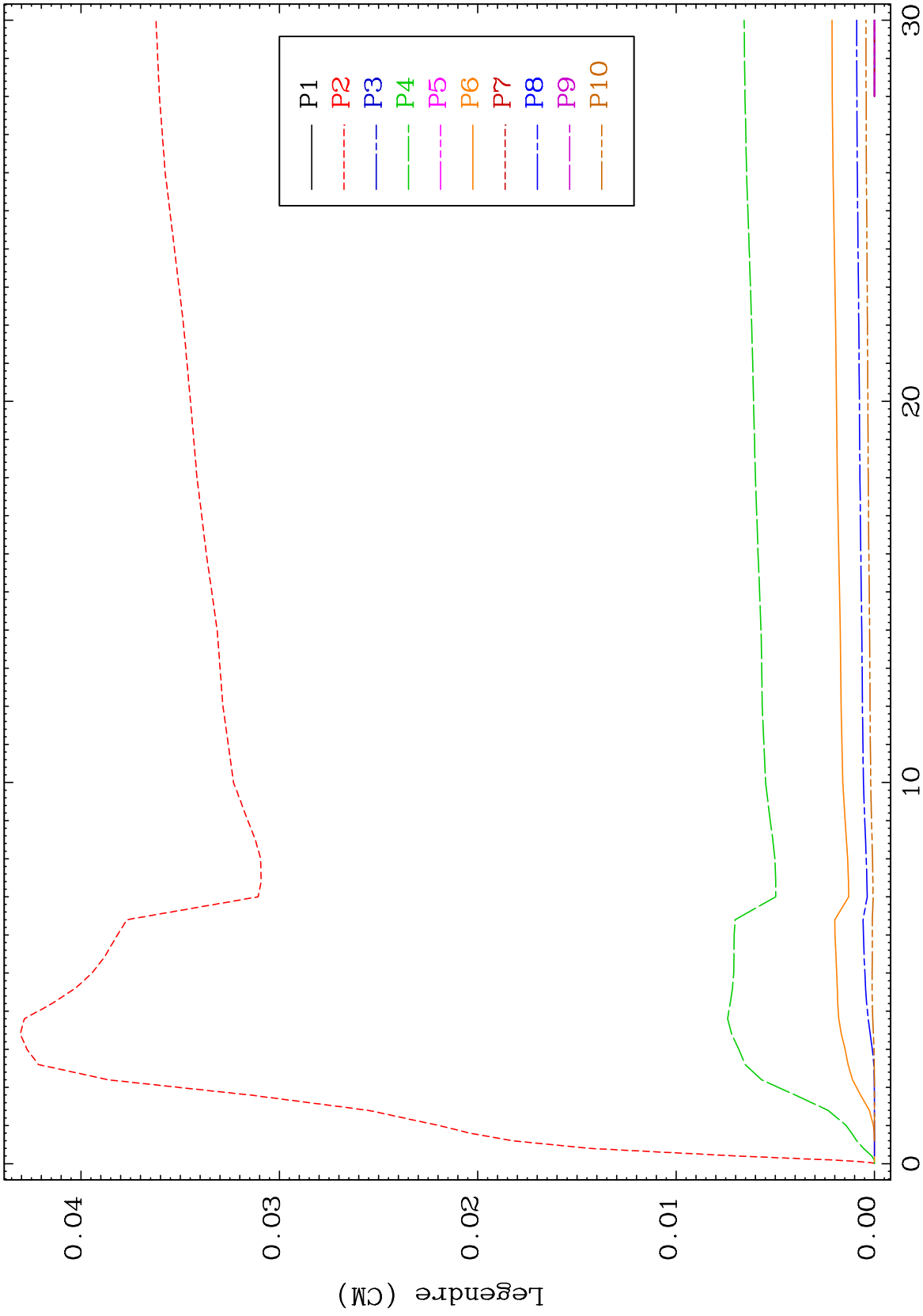




MAT 7924

Elastic Legendre Coefficients

79-Au-196



16

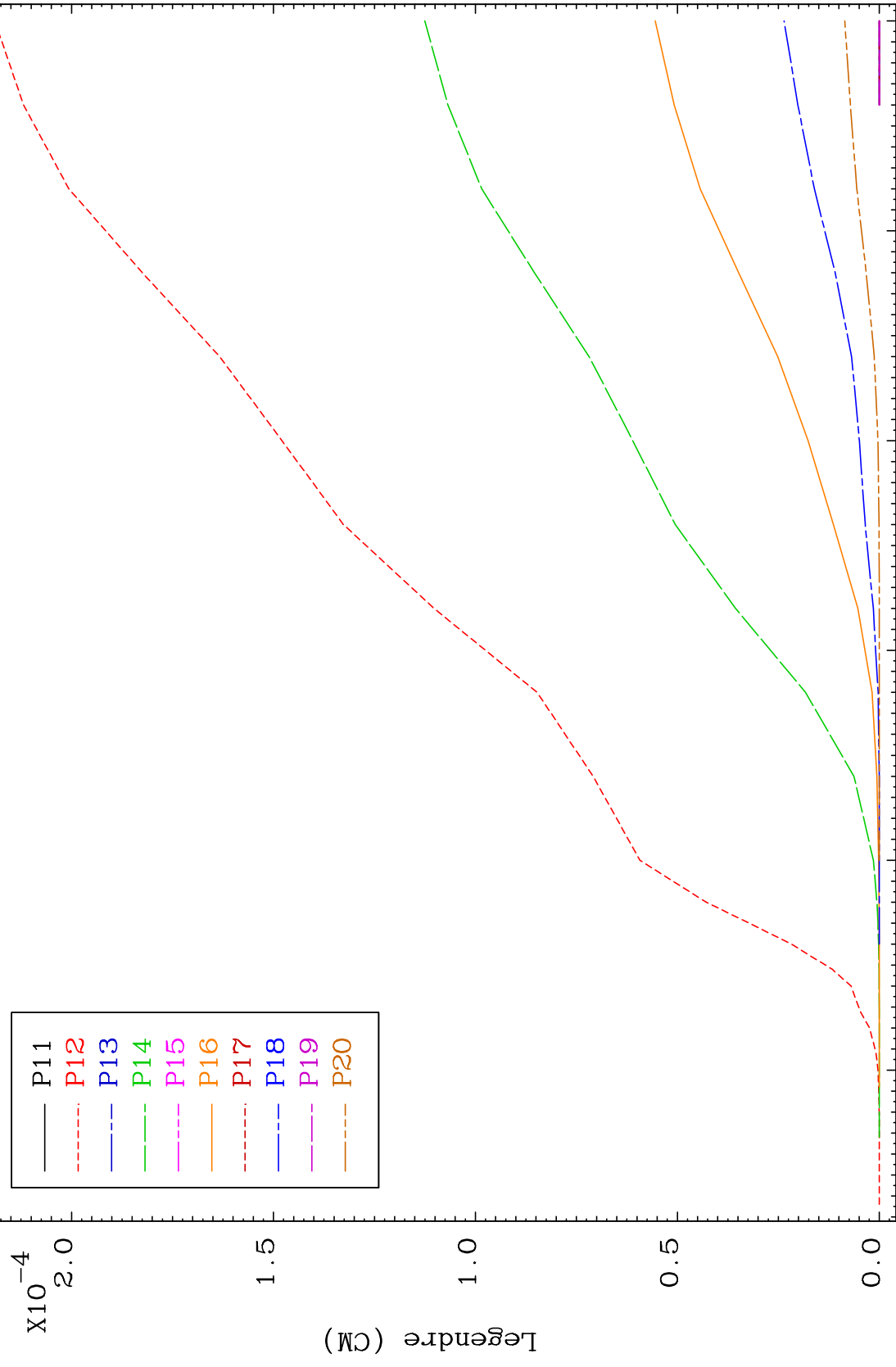
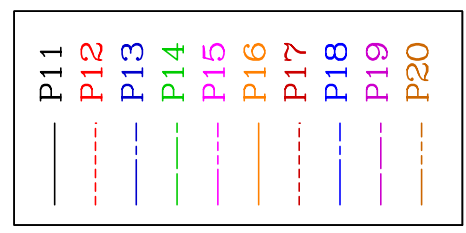
Incident Energy (MeV)

79-Au-196

MAT 7924

Elastic Legendre Coefficients

79-Au-196



17

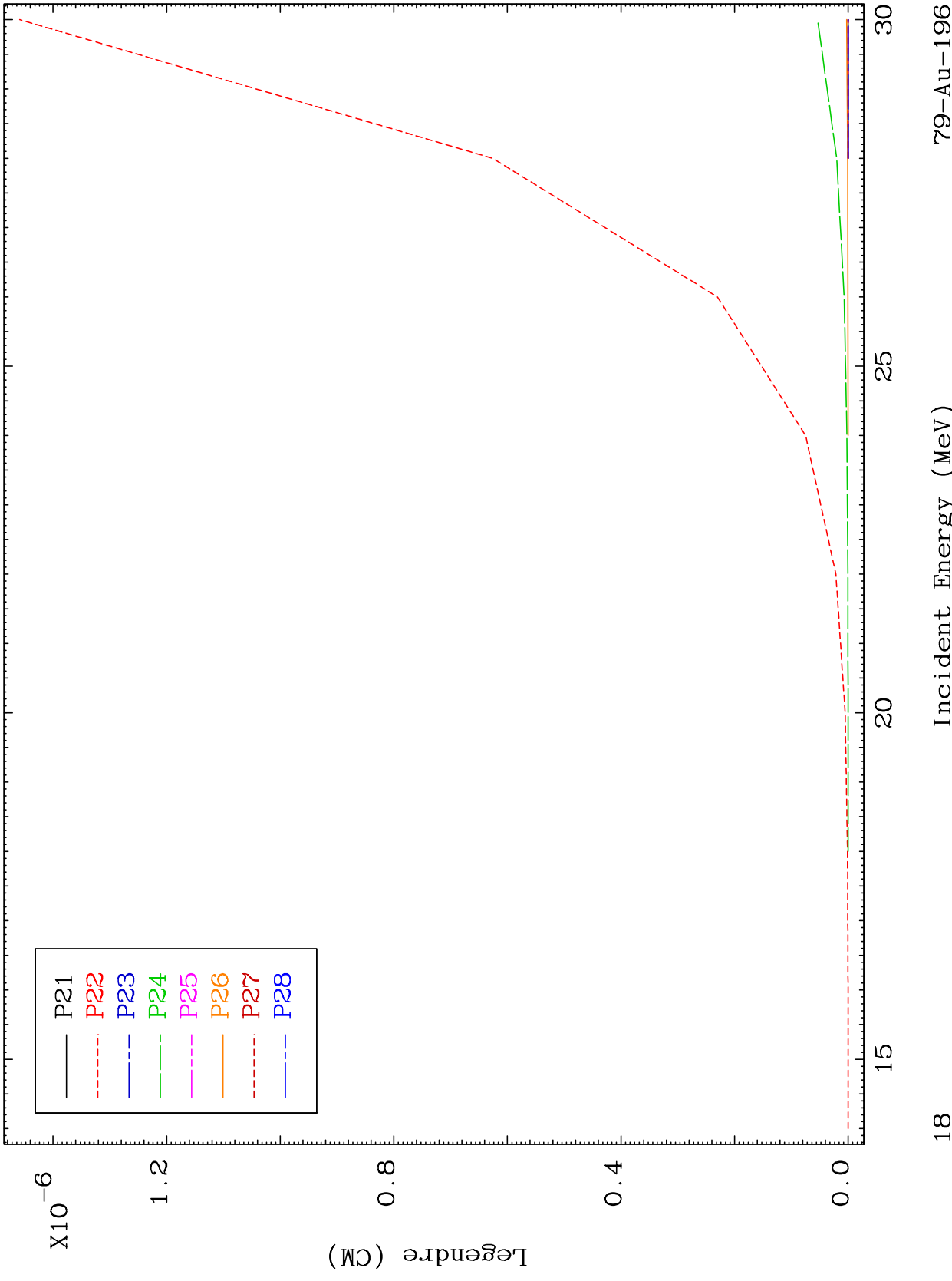
Incident Energy (MeV)

79-Au-196

MAT 7924

Elastic Legendre Coefficients

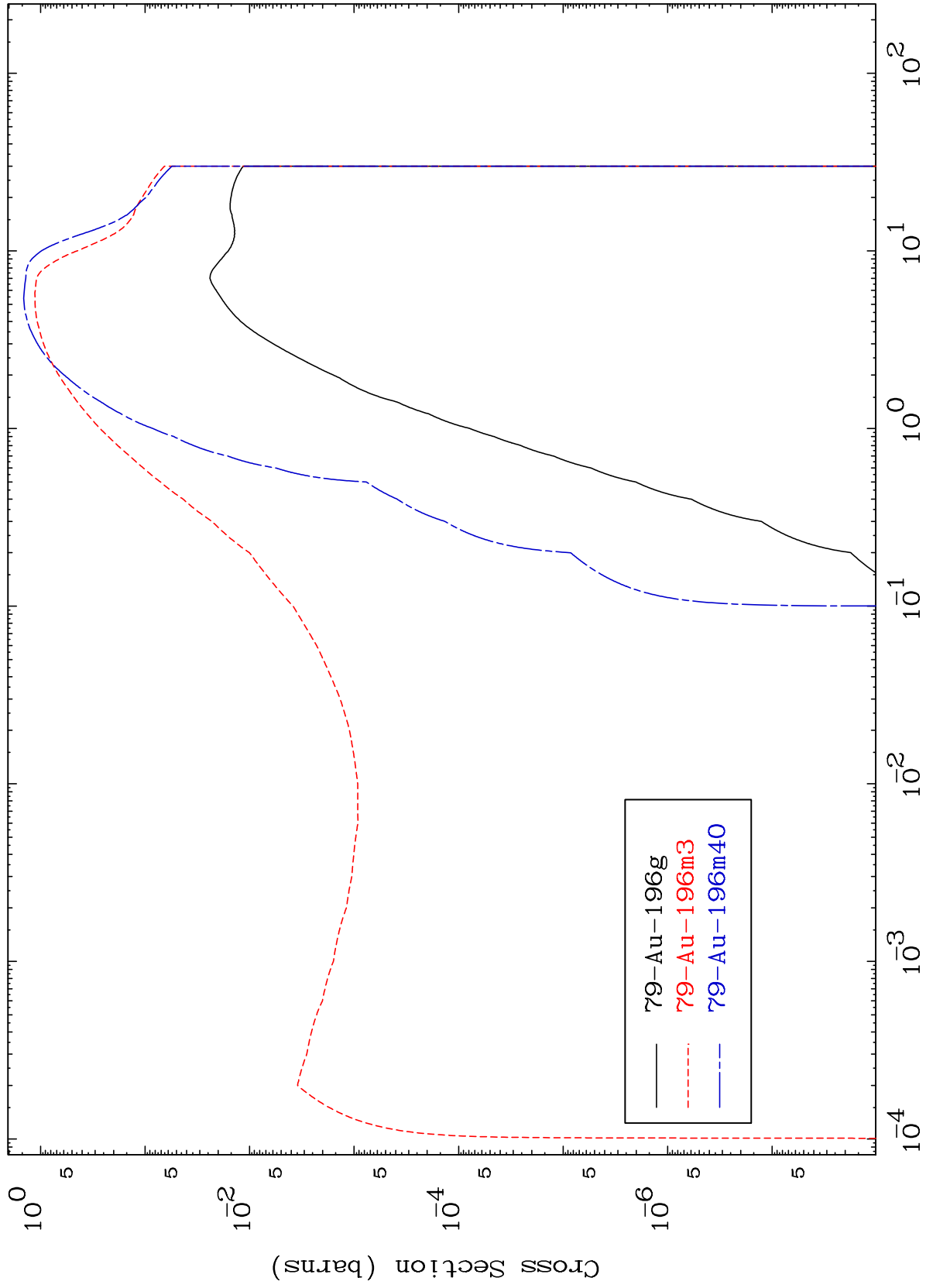
79-Au-196



MAT 7924

Inelastic
Radionuclide Production Cross Section

79-Au-196



19

Incident Energy (MeV)

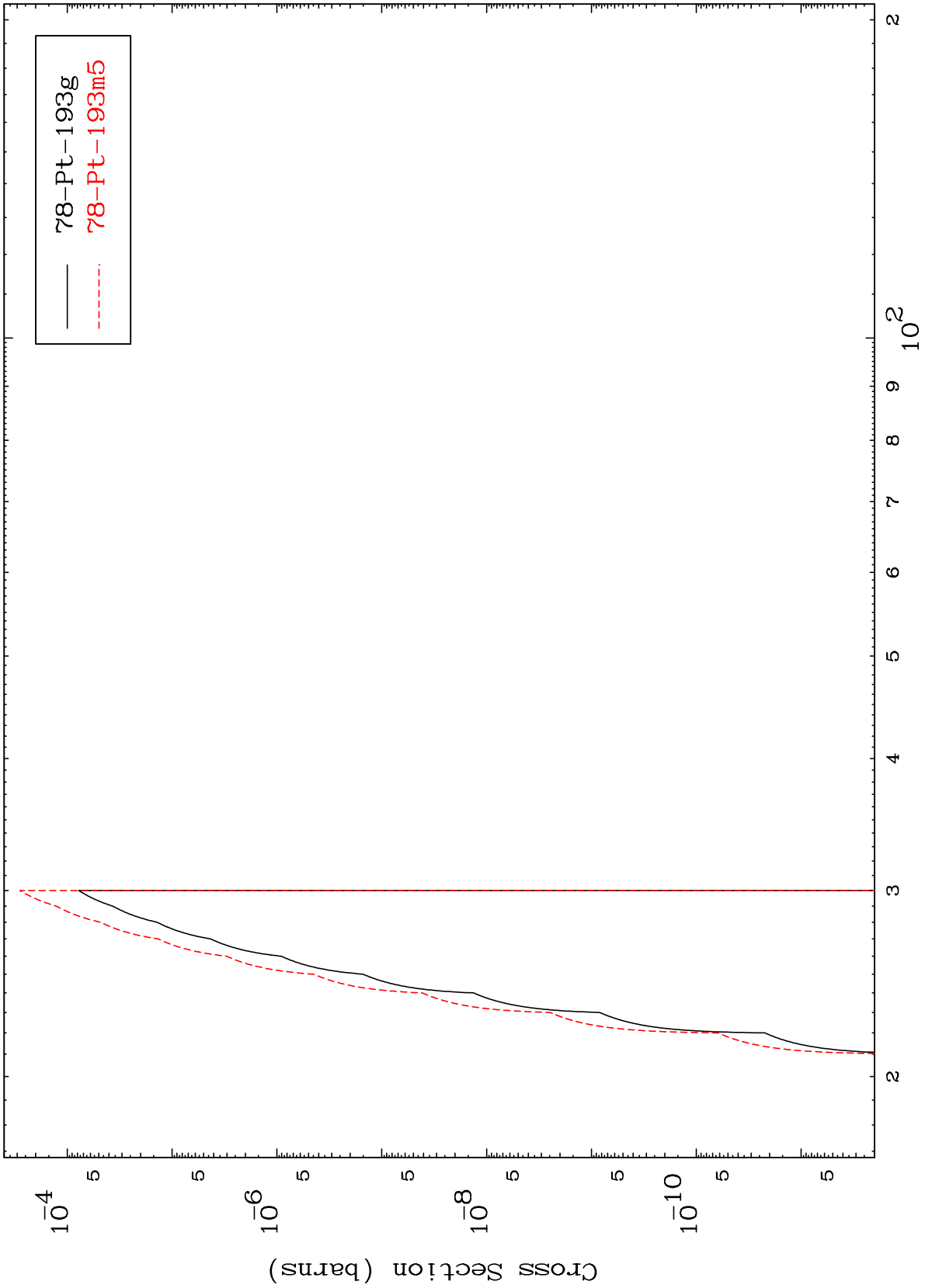
79-Au-196

MAT 7924

(n,2n) d

79-Au-196

Radionuclide Production Cross Section



20

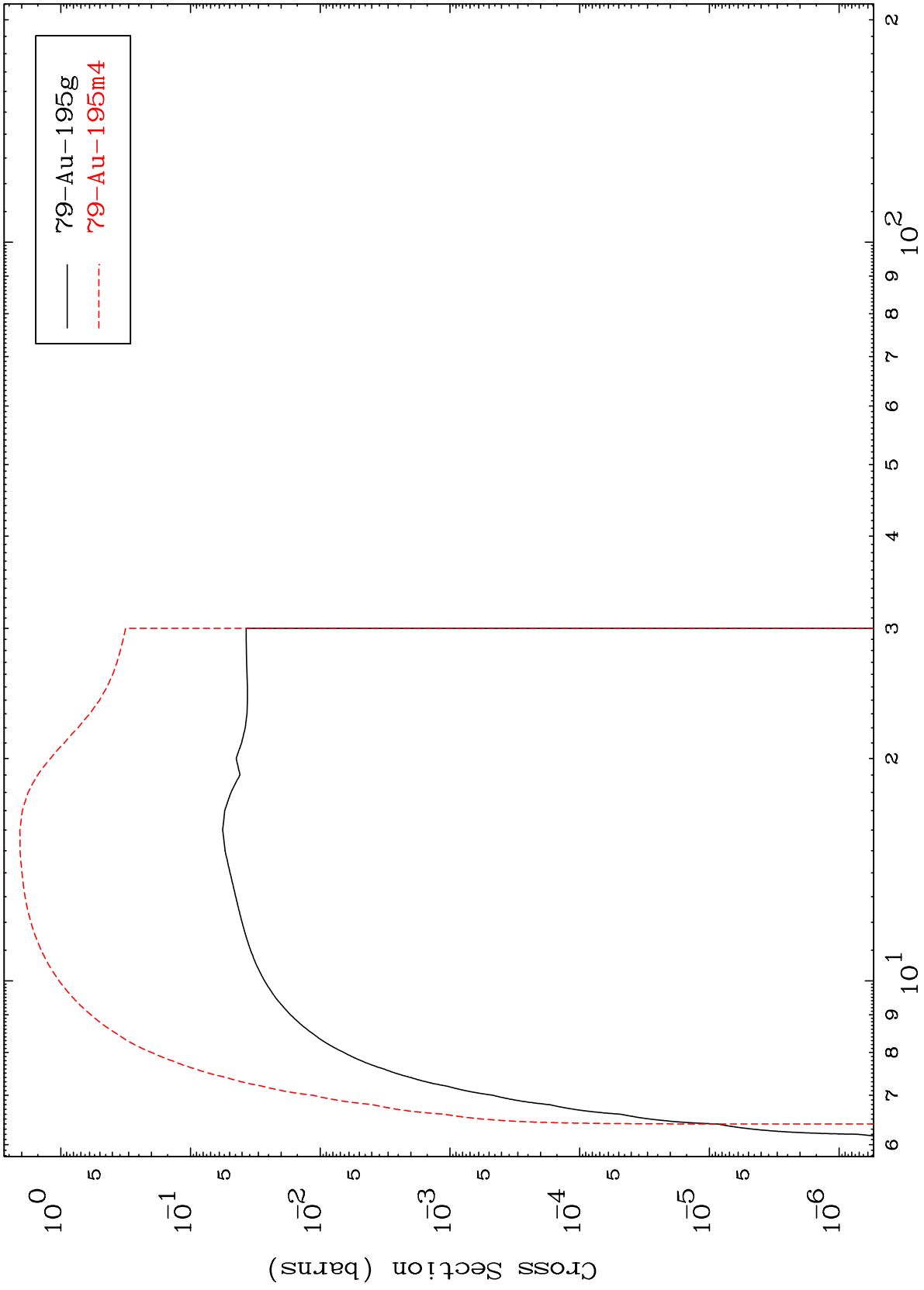
Incident Energy (MeV)

79-Au-196

MAT 7924

⁷⁹Au-196

(n,2n)
Radionuclide Production Cross Section



21

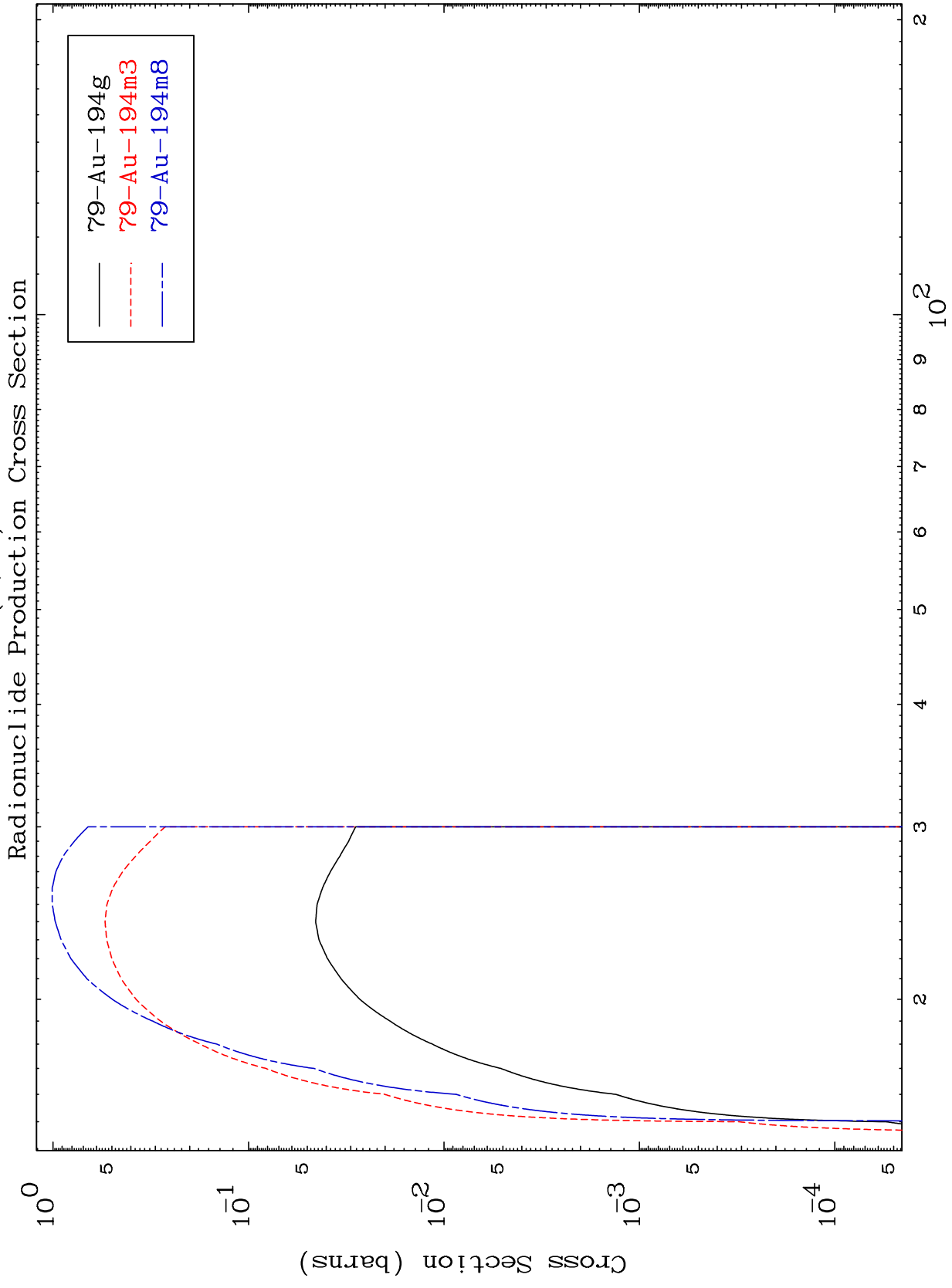
Incident Energy (MeV)

⁷⁹Au-196

MAT 7924

(n,3n)

⁷⁹Au-196



22

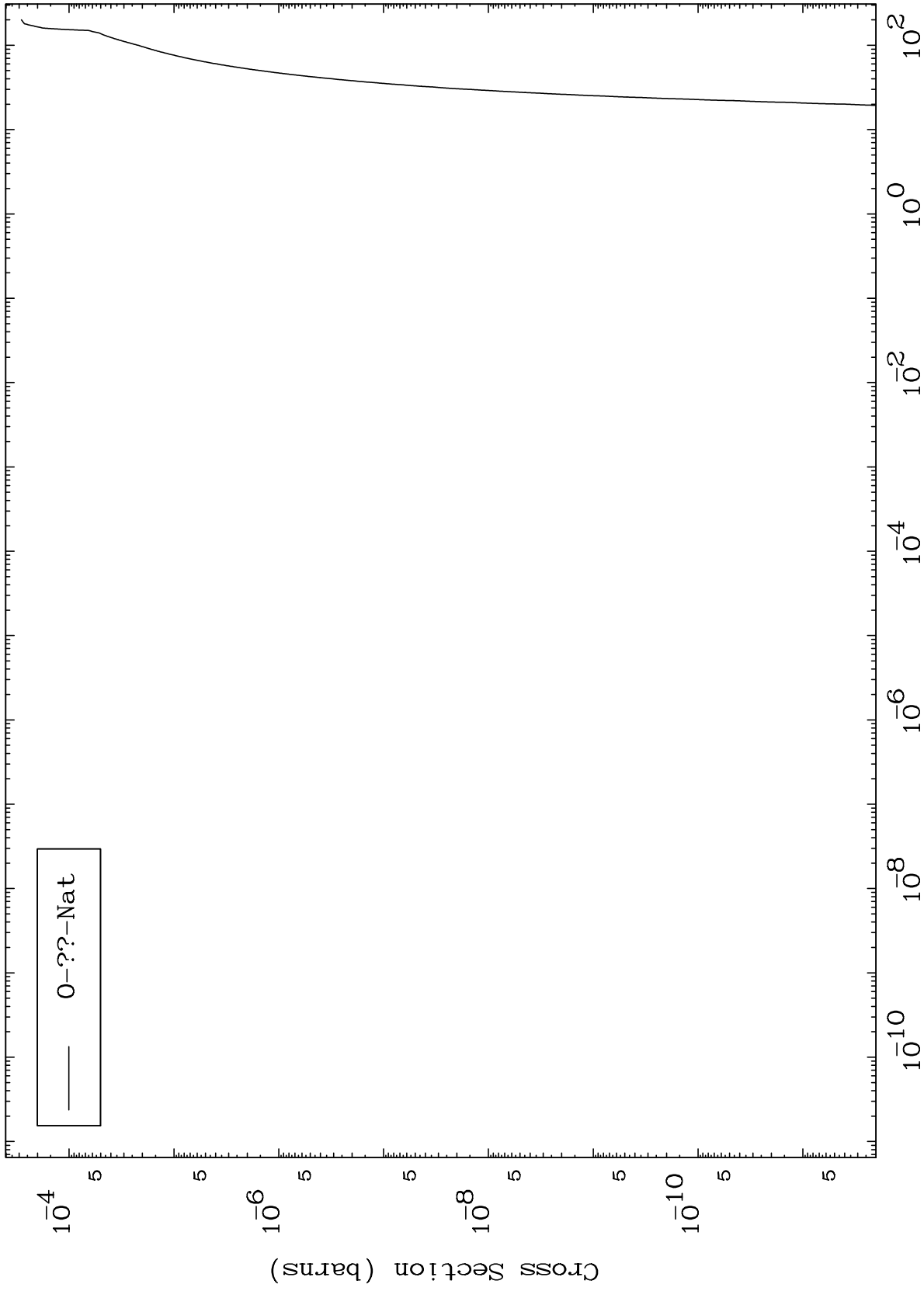
Incident Energy (MeV)

⁷⁹Au-196

MAT 7924

Fission
Radionuclide Production Cross Section

79-Au-196



23

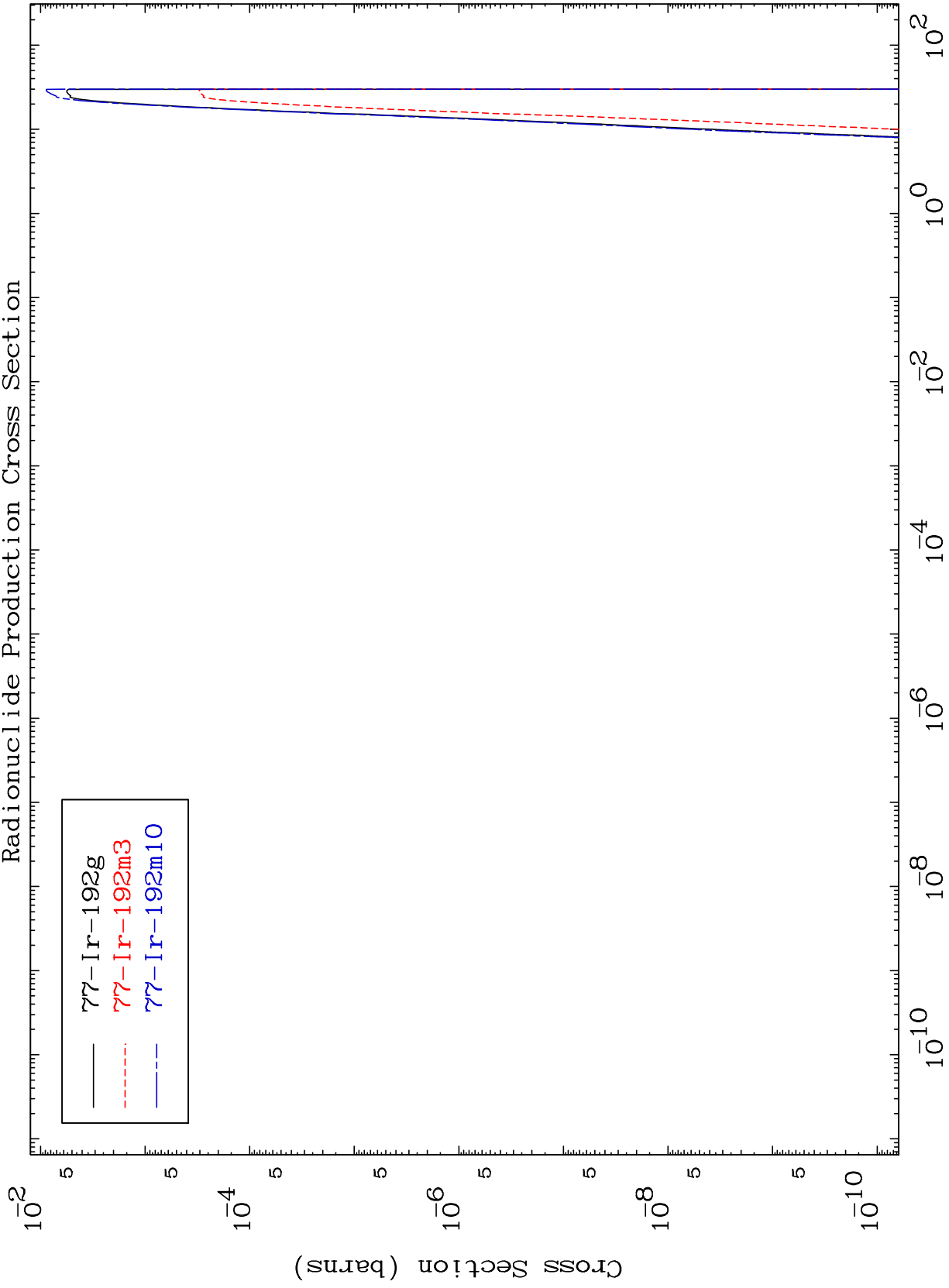
79-Au-196

MAT 7924

(n,n') α

79-Au-196

Radionuclide Production Cross Section



24

Incident Energy (MeV)

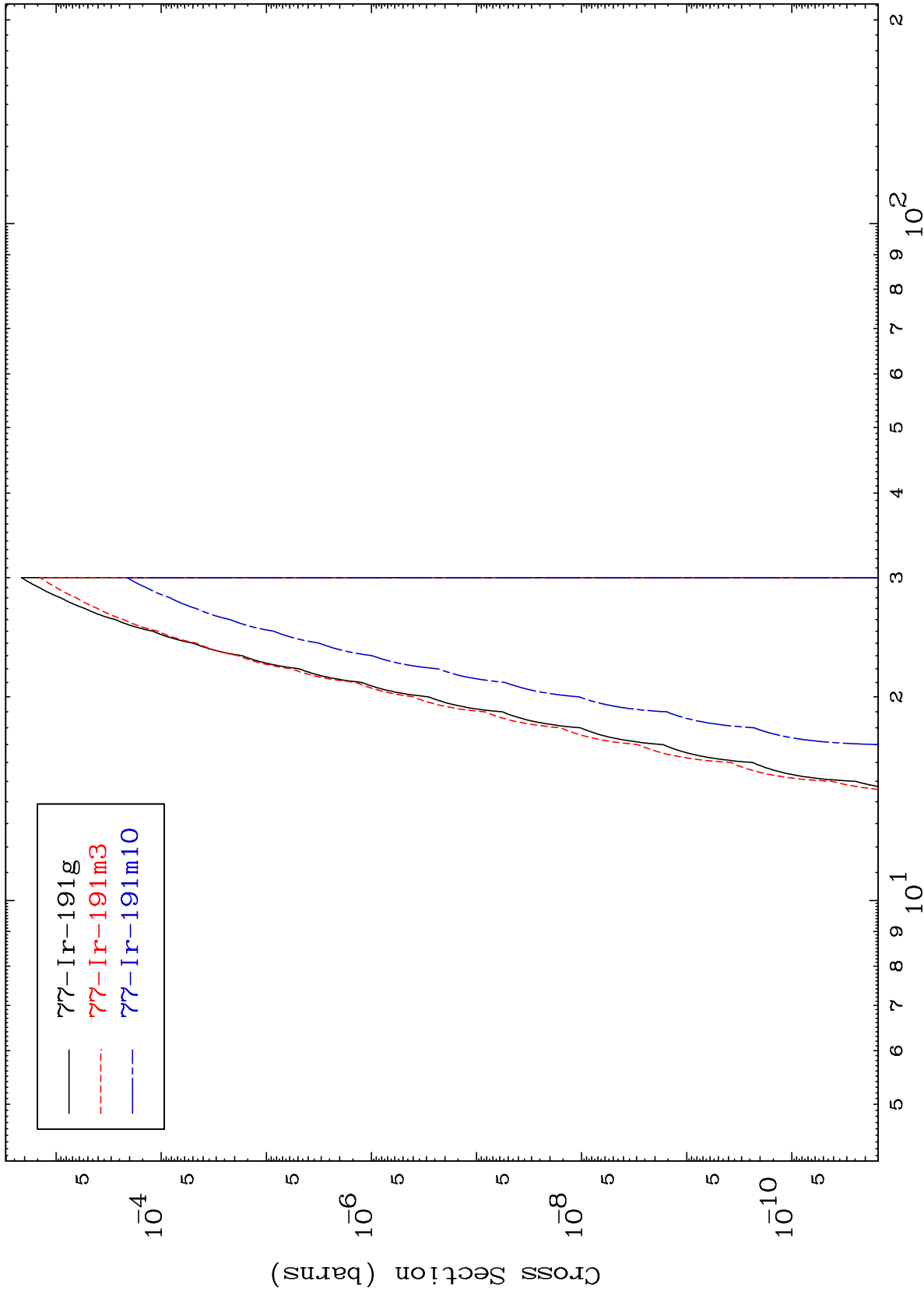
79-Au-196

MAT 7924

(n,2n) α

⁷⁹Au-196

Radionuclide Production Cross Section

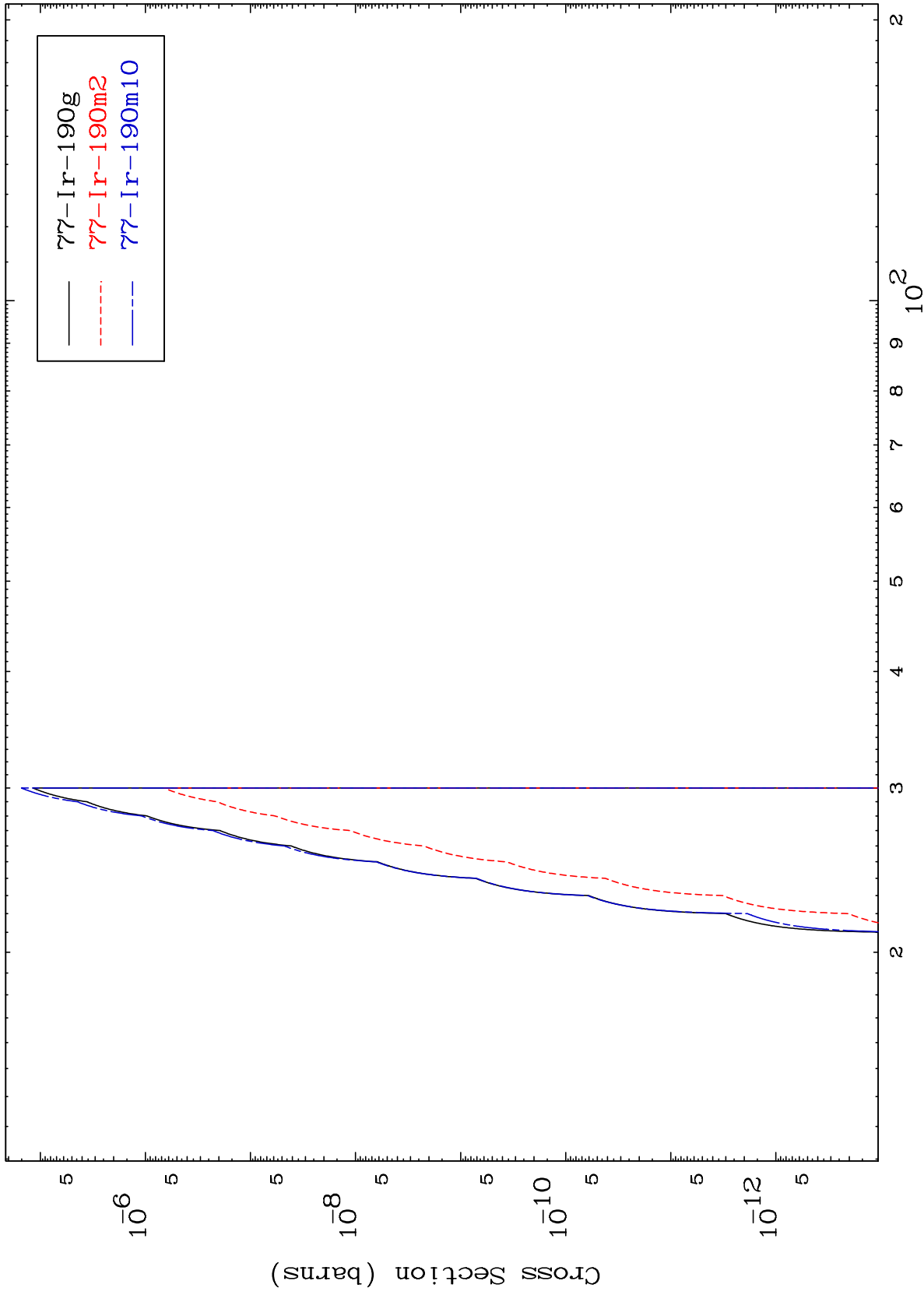


25

Incident Energy (MeV)

⁷⁹Au-196

Radionuclide Production Cross Section

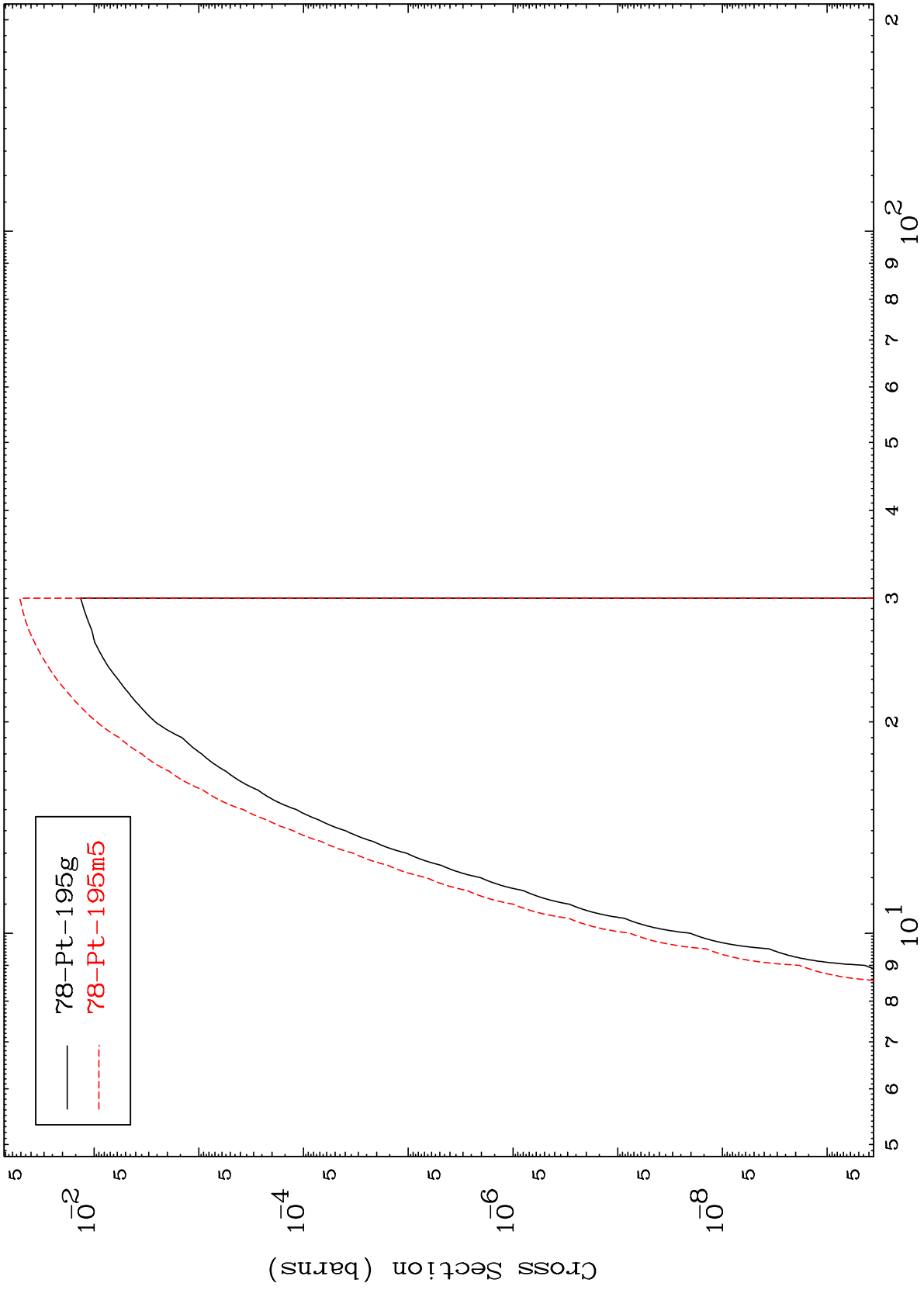


MAT 7924

(n, n') p

79-Au-196

Radionuclide Production Cross Section



27

Incident Energy (MeV)

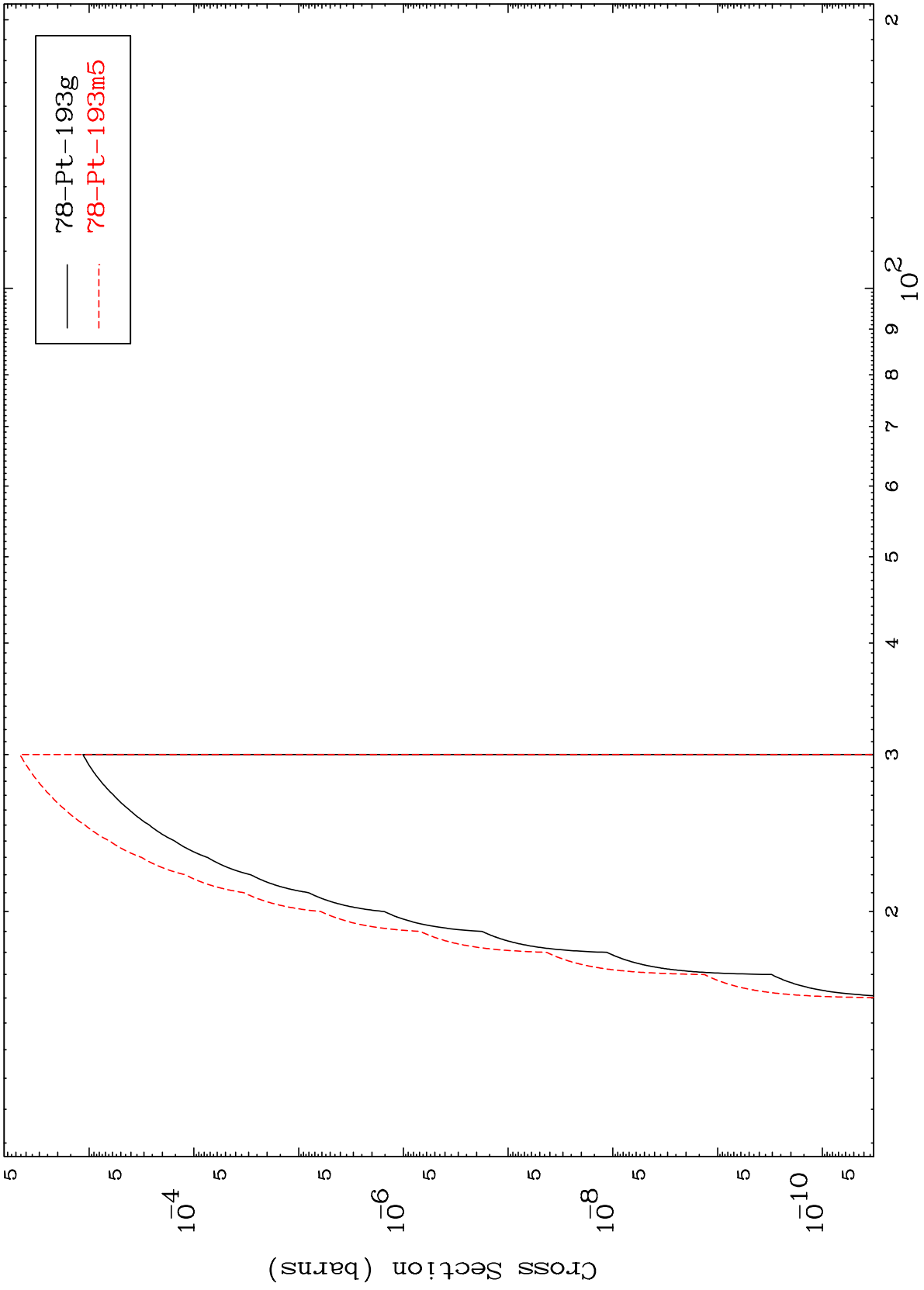
79-Au-196

MAT 7924

(n,n') t

79-Au-196

Radionuclide Production Cross Section



28

Incident Energy (MeV)

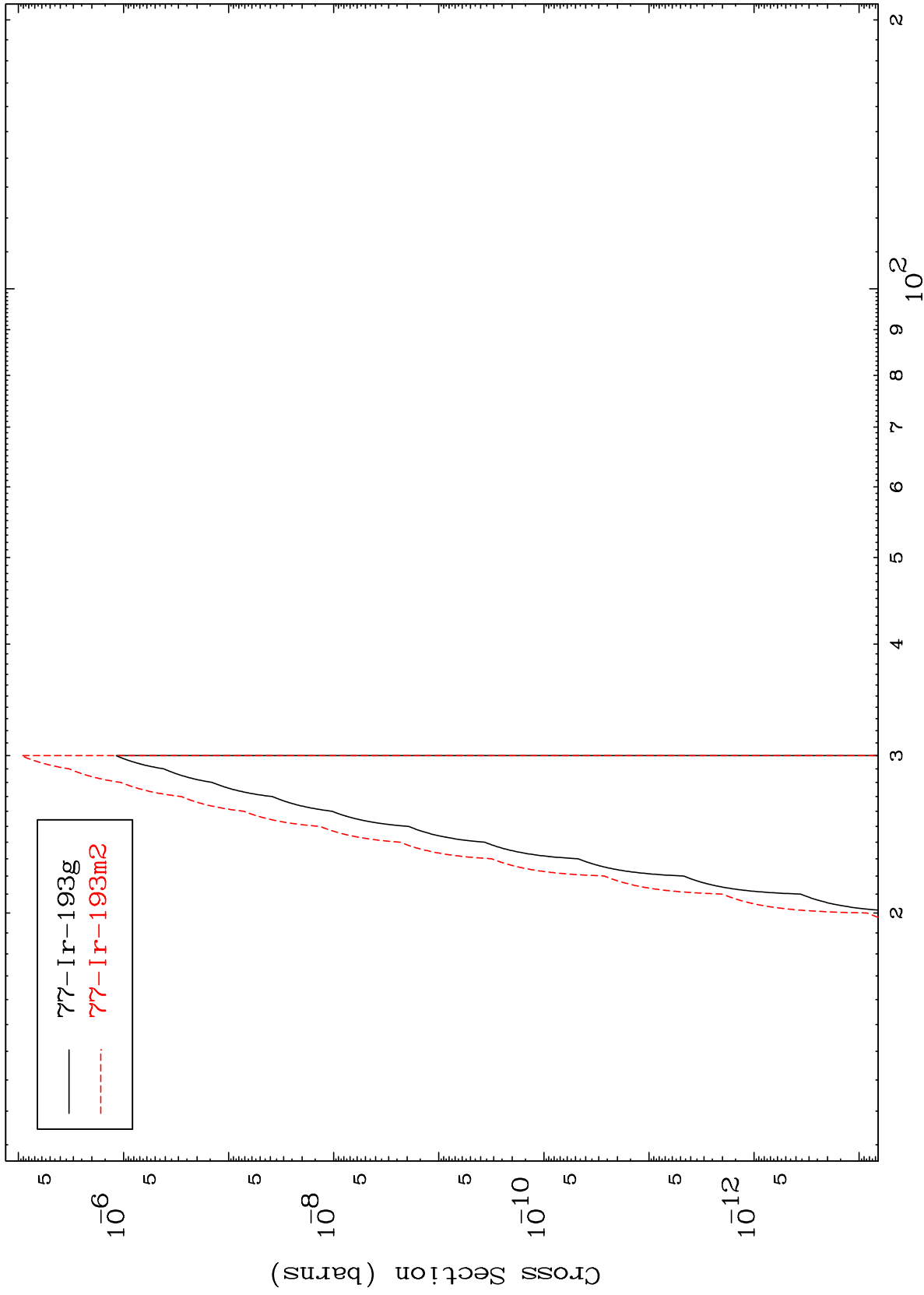
79-Au-196

MAT 7924

(n, n') He-3

79-Au-196

Radionuclide Production Cross Section



29

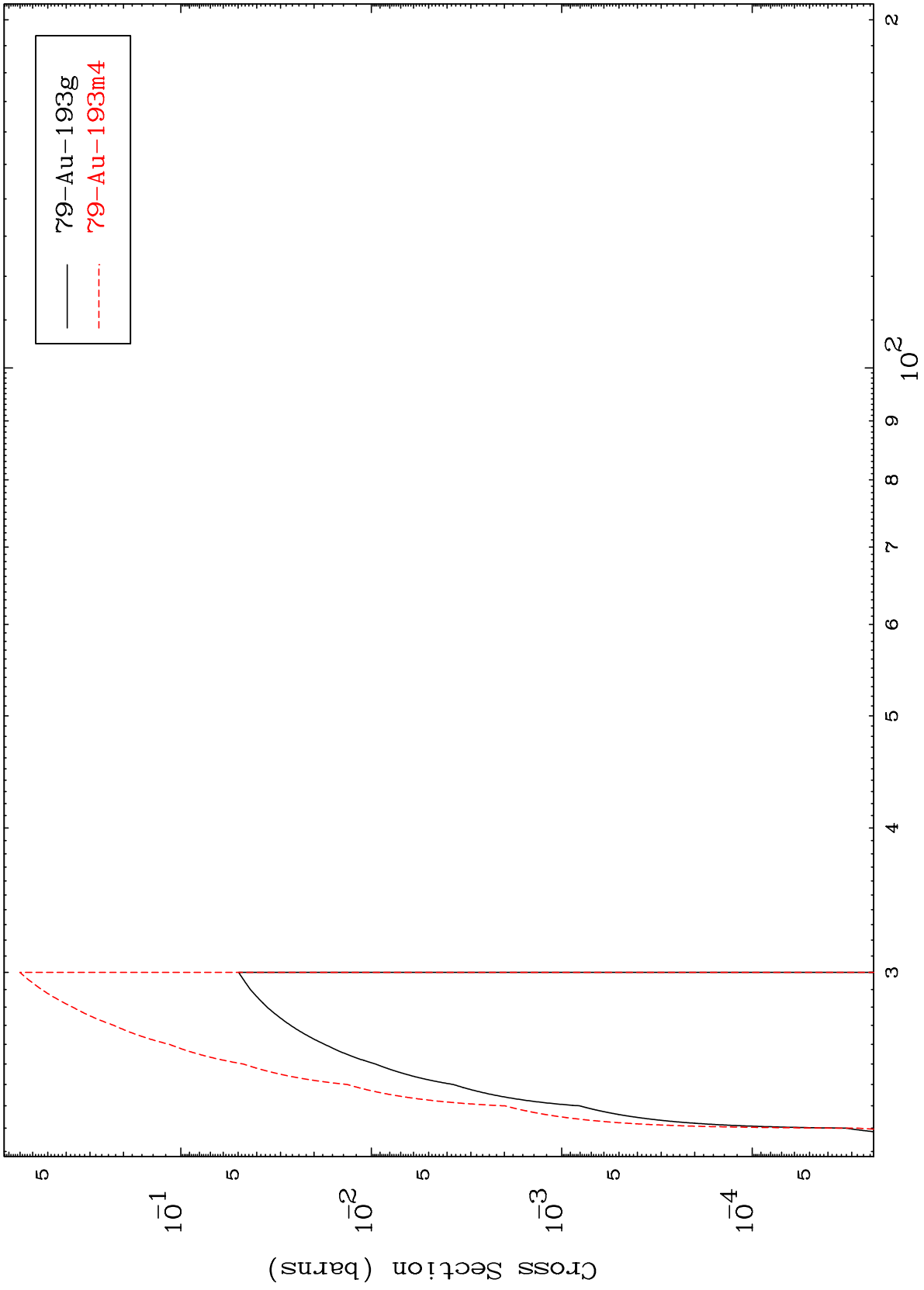
Incident Energy (MeV)

79-Au-196

MAT 7924

79-Au-196

(n,4n)
Radionuclide Production Cross Section



30

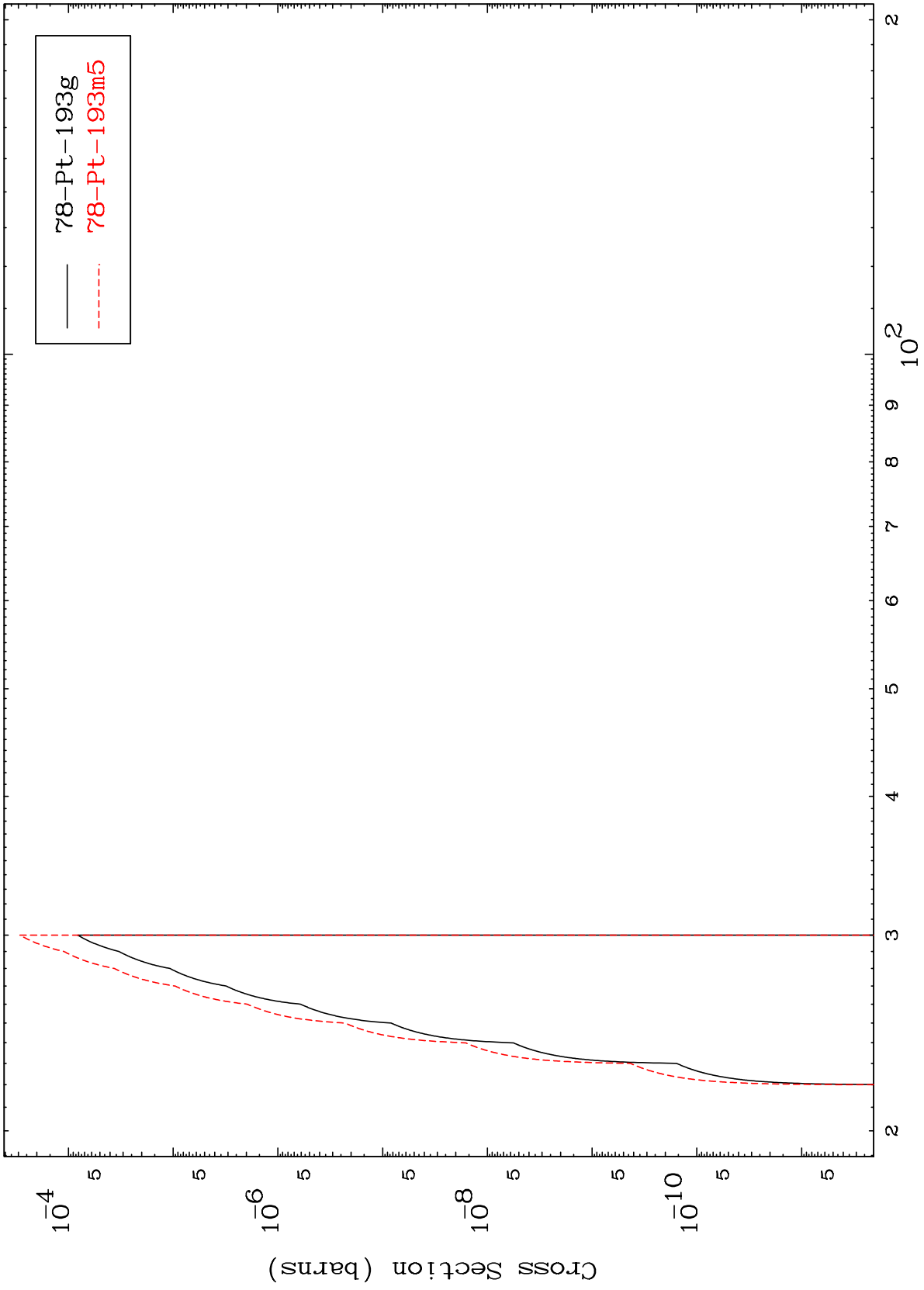
79-Au-196

MAT 7924

(n,3n) p

79-Au-196

Radionuclide Production Cross Section



31

Incident Energy (MeV)

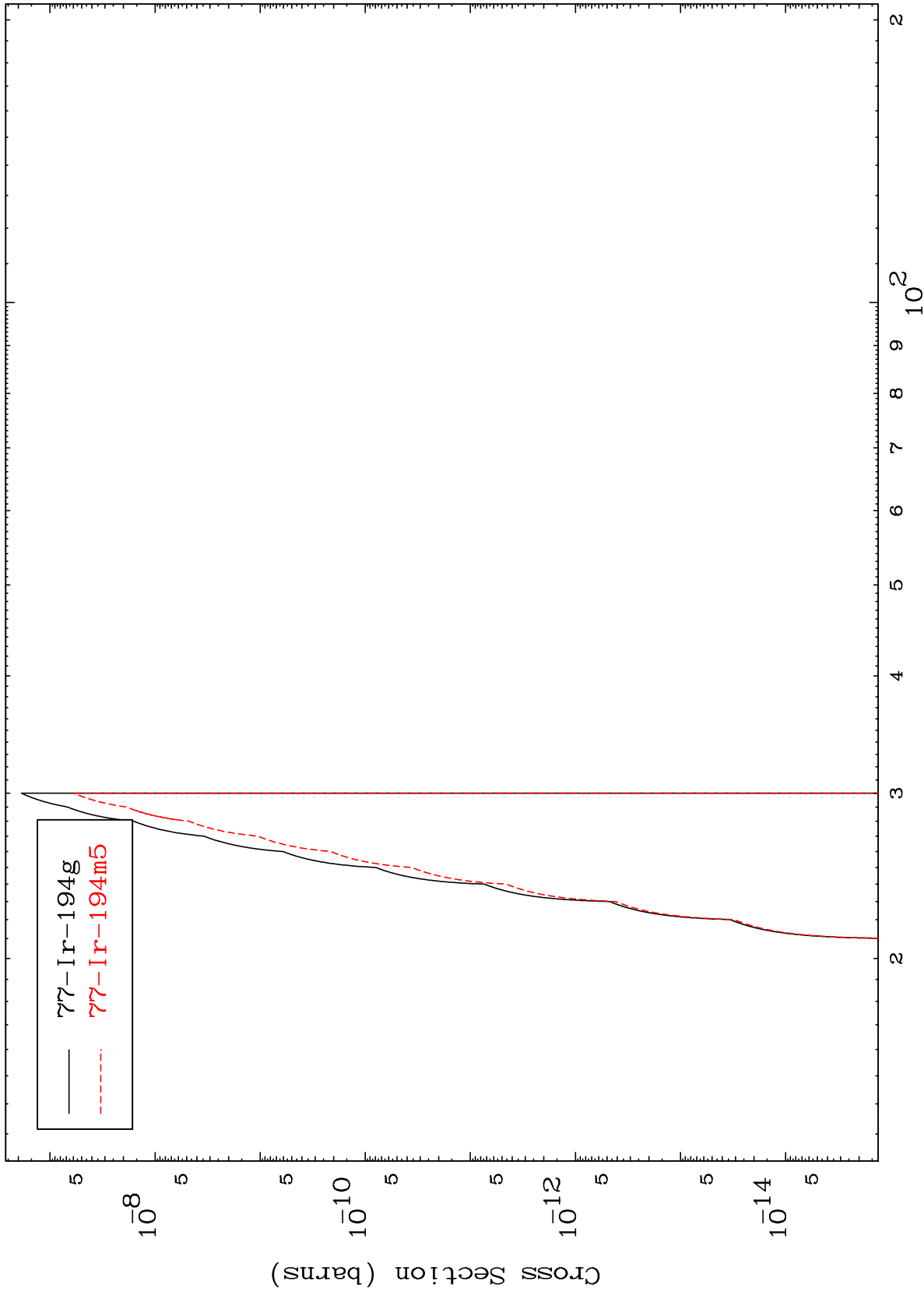
79-Au-196

MAT 7924

(n,2n) p

79-Au-196

Radionuclide Production Cross Section



32

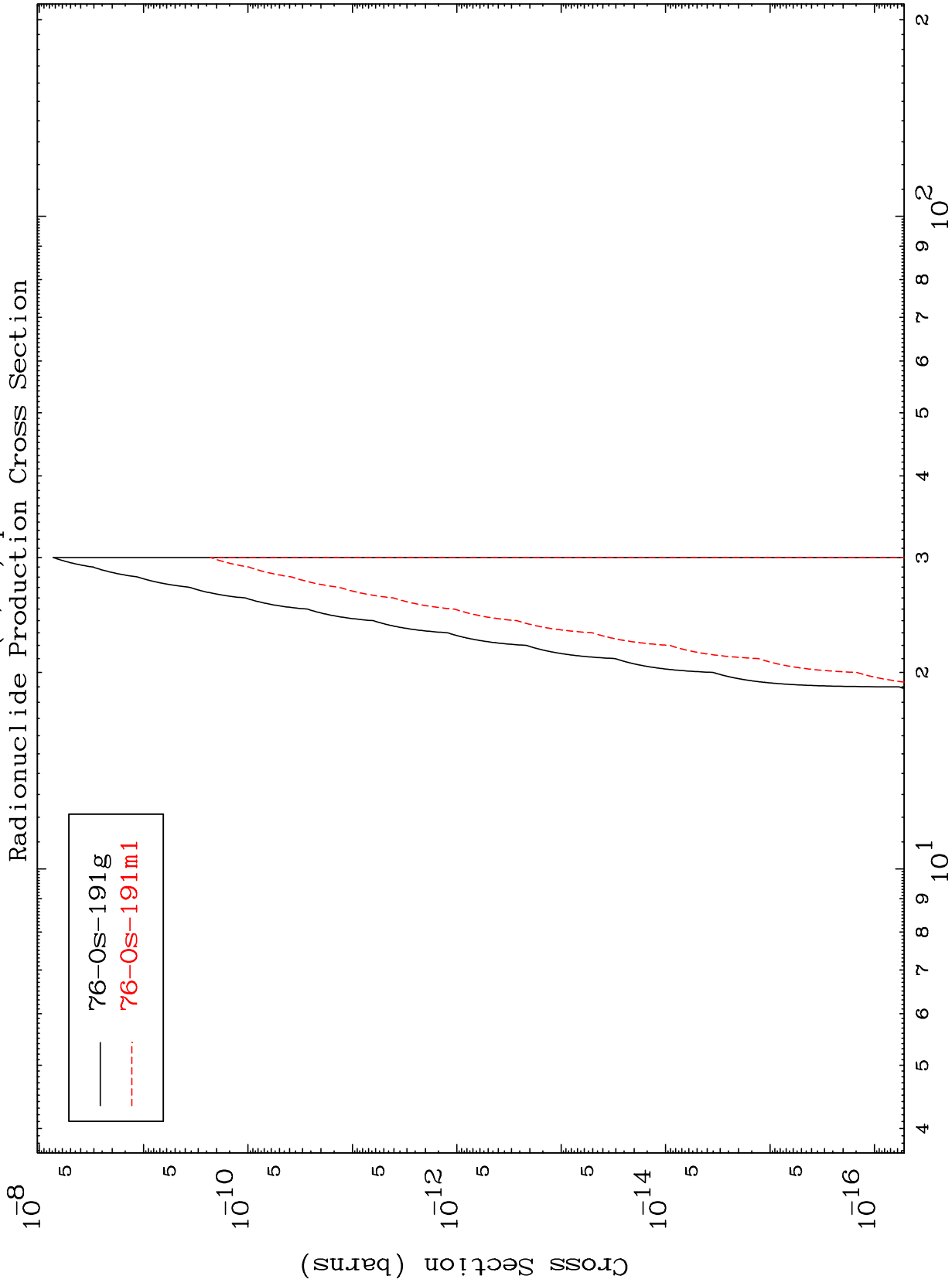
Incident Energy (MeV)

79-Au-196

MAT 7924

79-Au-196

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



33

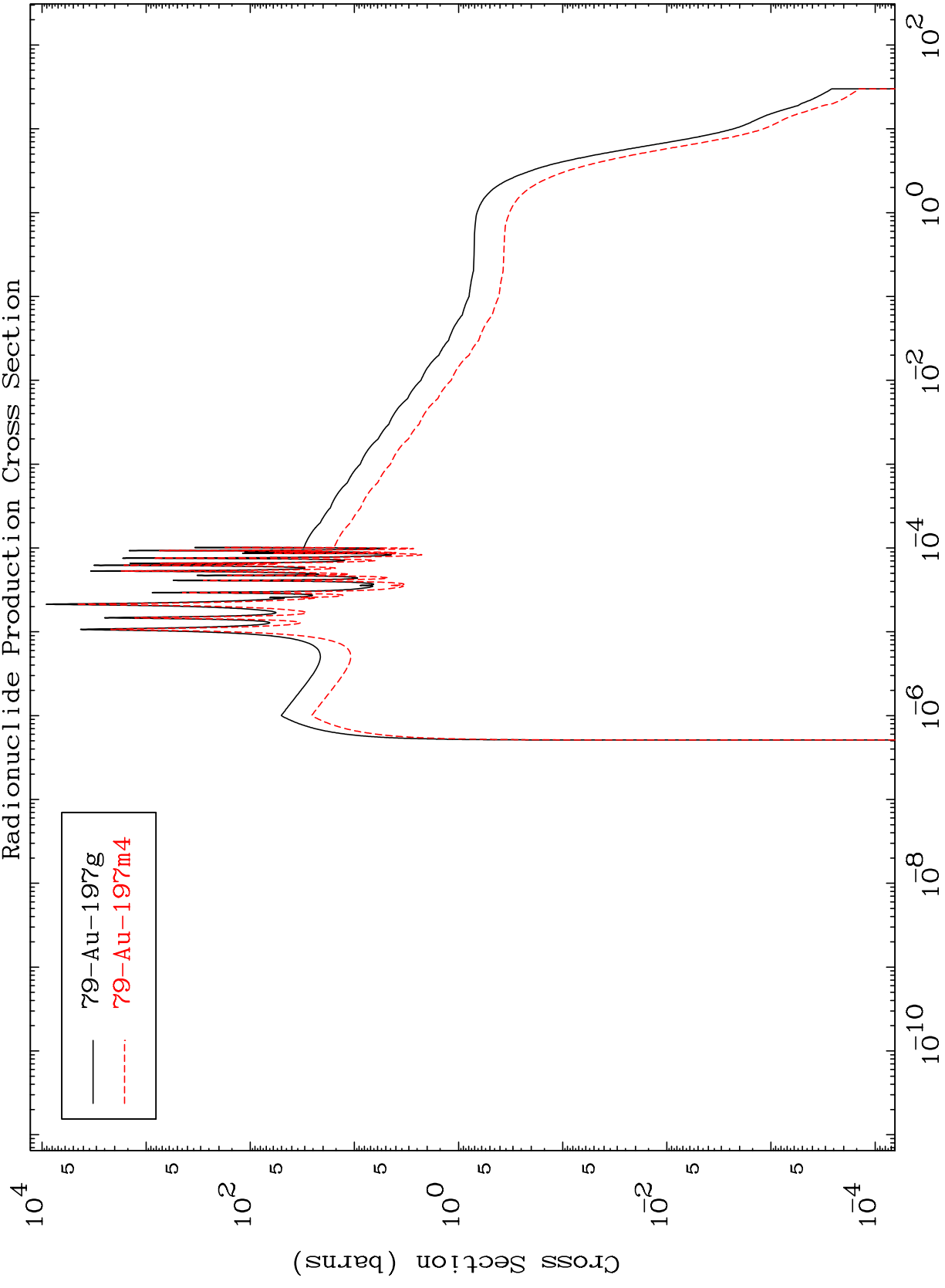
Incident Energy (MeV)

79-Au-196

MAT 7924

⁷⁹Au-196

Radionuclide Production Cross Section (n,γ)

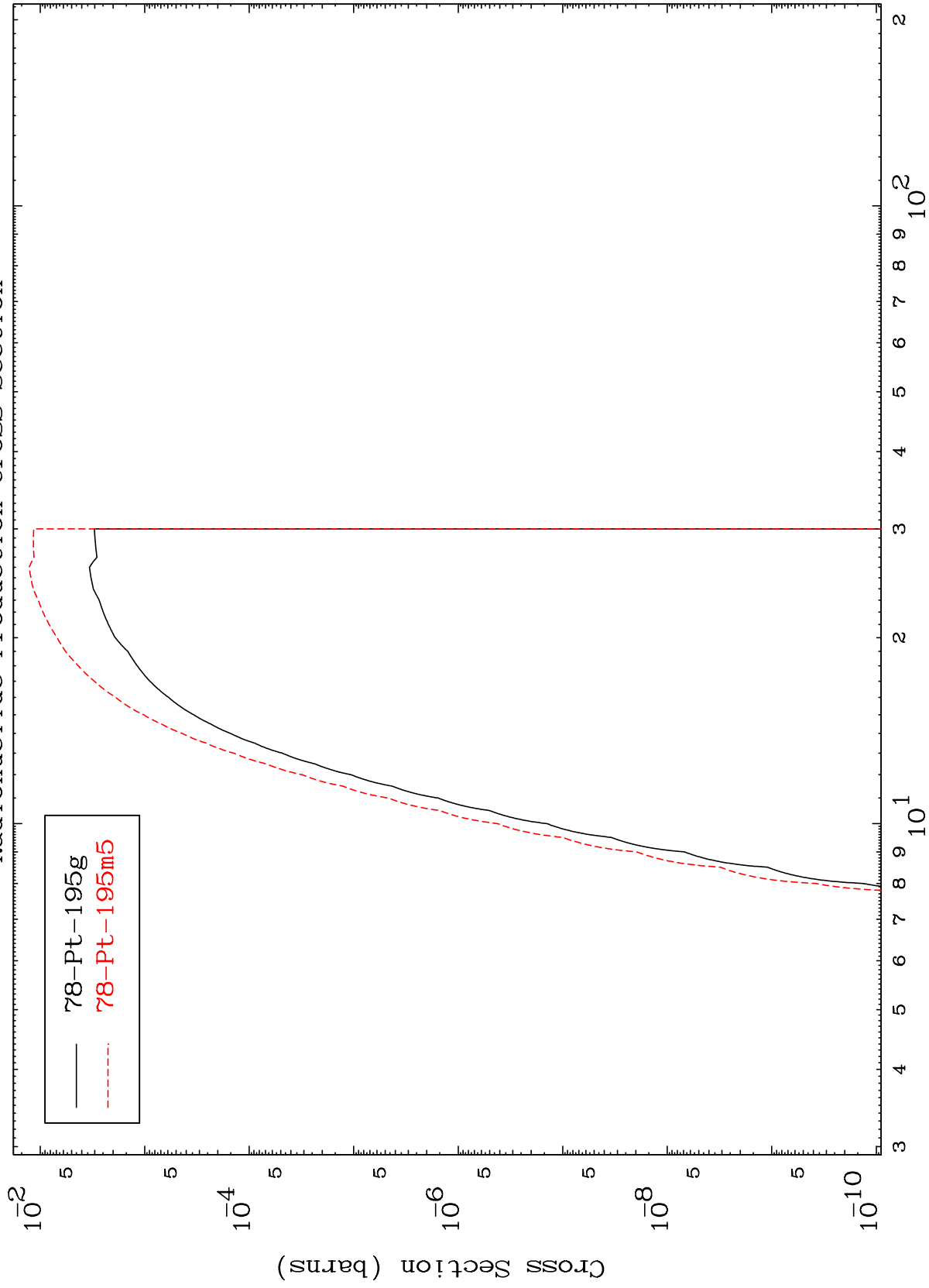


— ⁷⁹Au-197g
- - - ⁷⁹Au-197m4

MAT 7924

79-Au-196

(n,d)
Radionuclide Production Cross Section



35

Incident Energy (MeV)

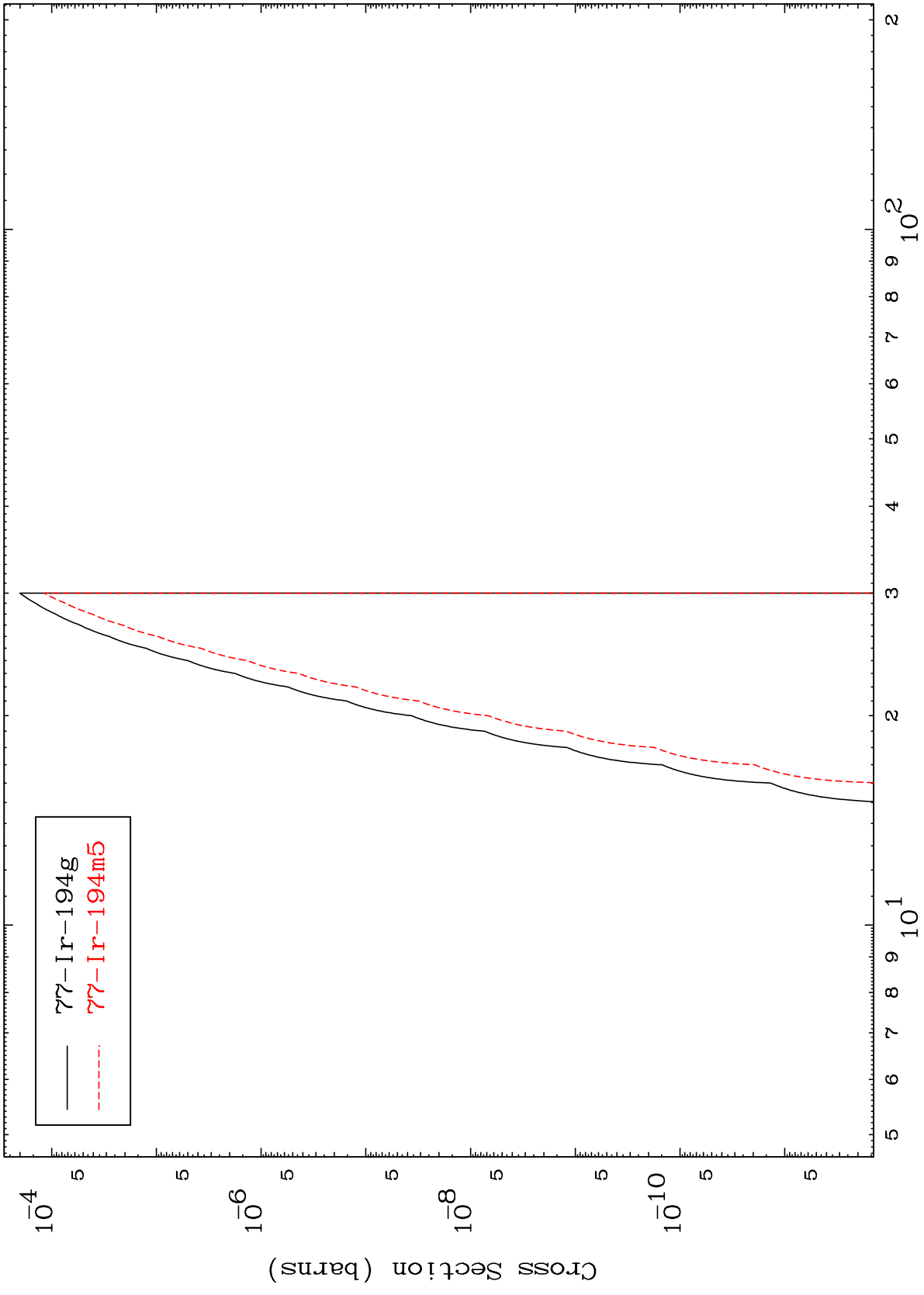
79-Au-196

MAT 7924

(n, He-3)

79-Au-196

Radionuclide Production Cross Section



36

Incident Energy (MeV)

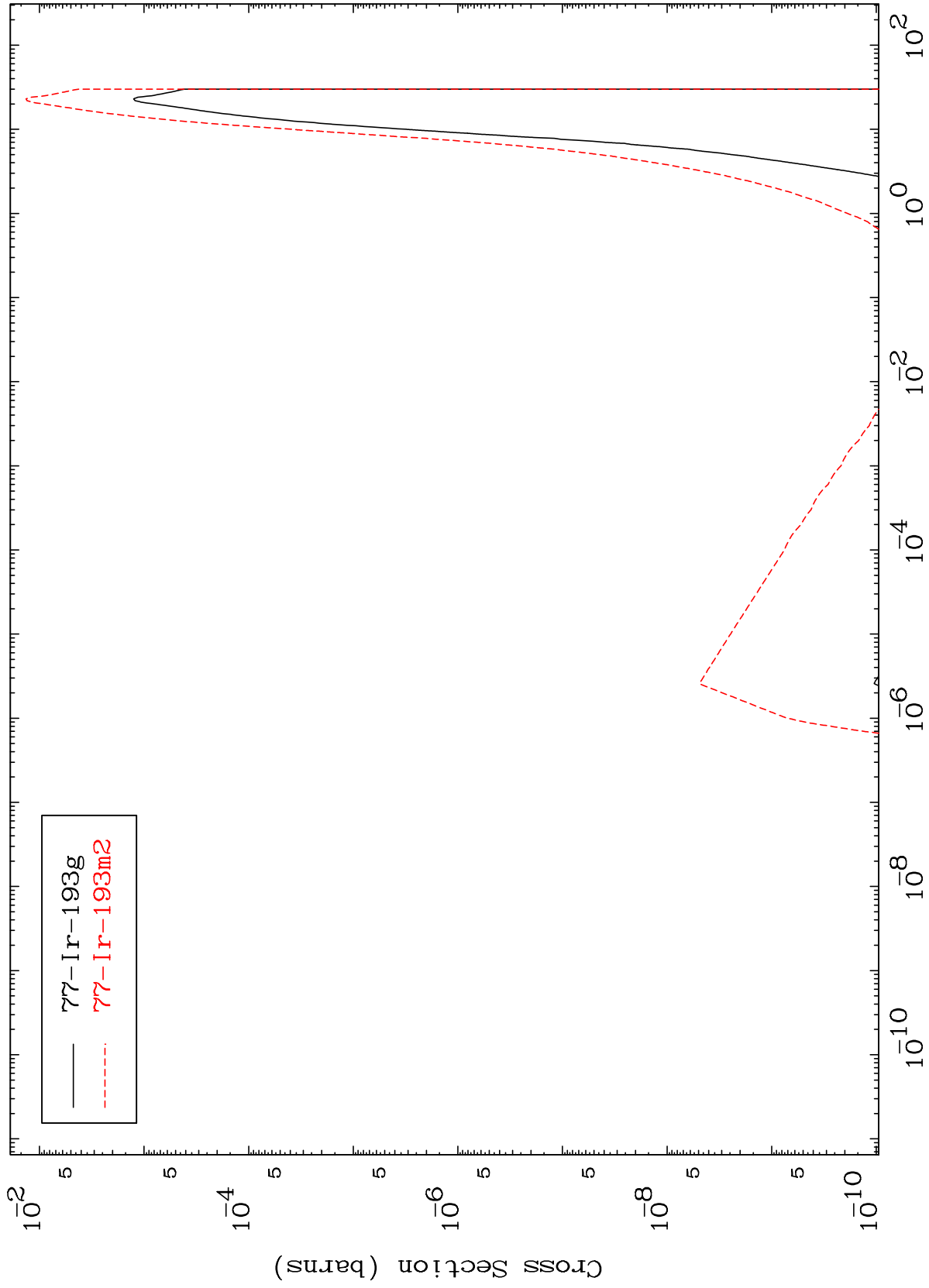
79-Au-196

MAT 7924

(n, α)

⁷⁹Au-196

Radionuclide Production Cross Section



37

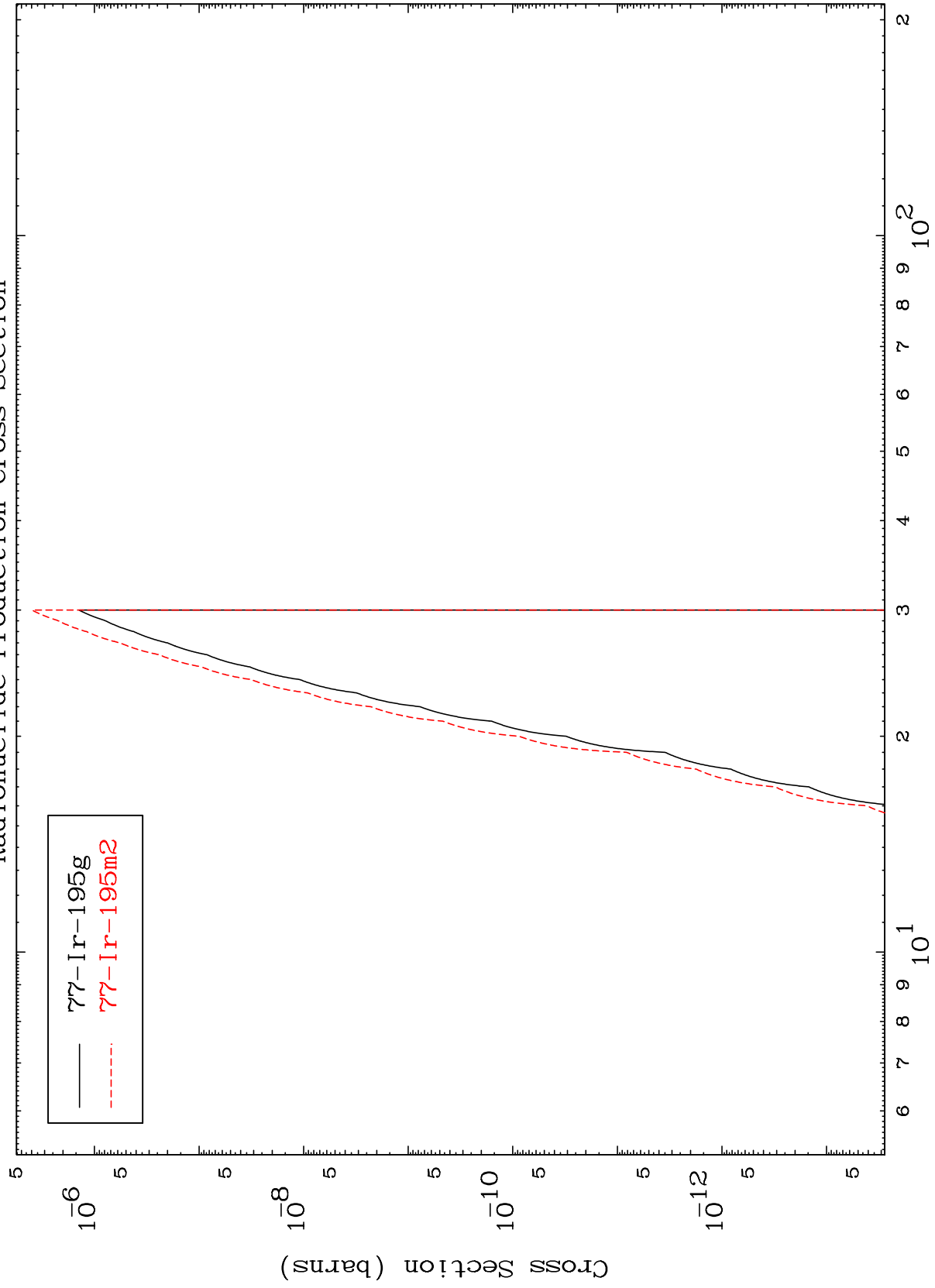
Incident Energy (MeV)

⁷⁹Au-196

MAT 7924

79-Au-196

(n,2p)
Radionuclide Production Cross Section



38

79-Au-196

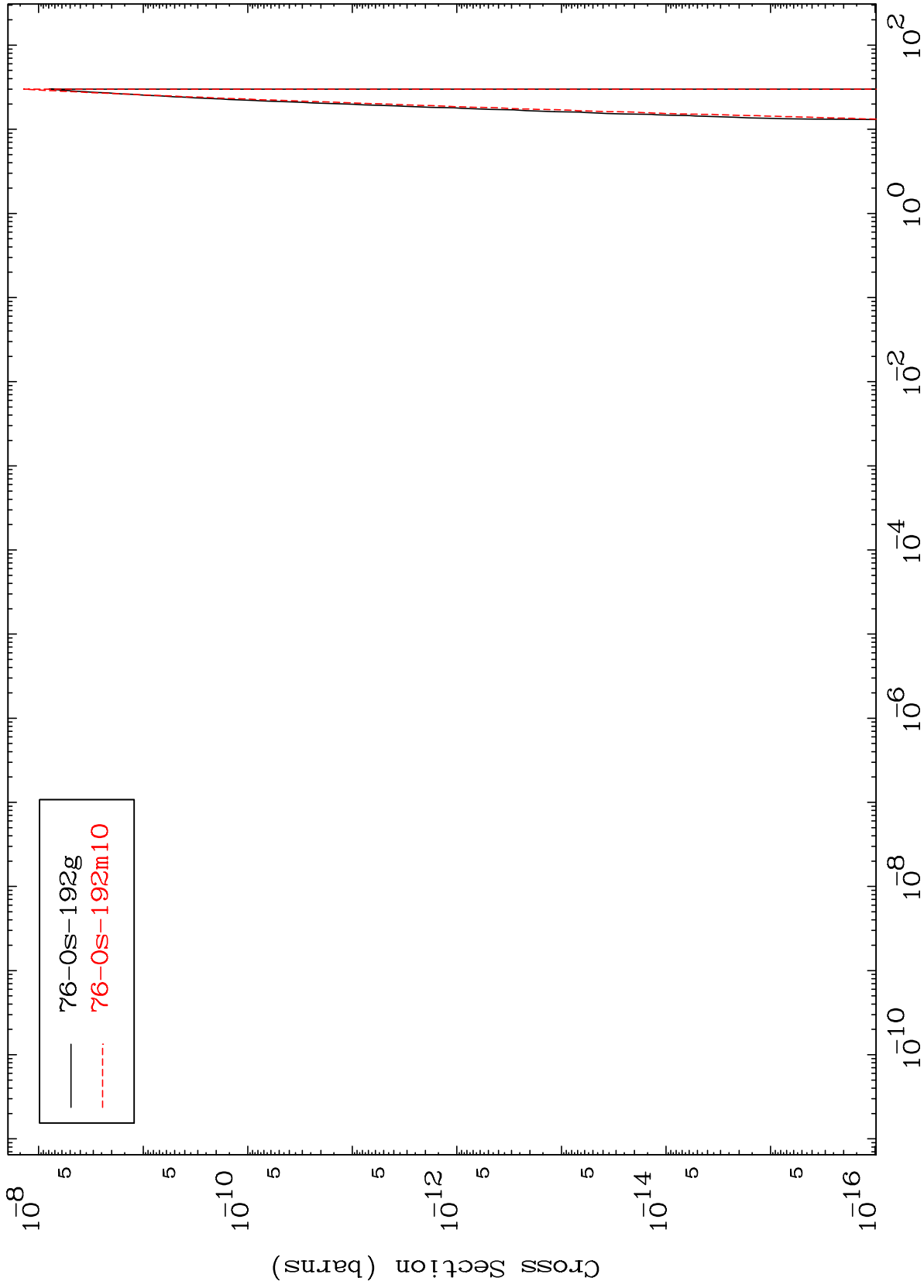
Incident Energy (MeV)

MAT 7924

(n,p) α

⁷⁹Au-196

Radionuclide Production Cross Section



39

Incident Energy (MeV)

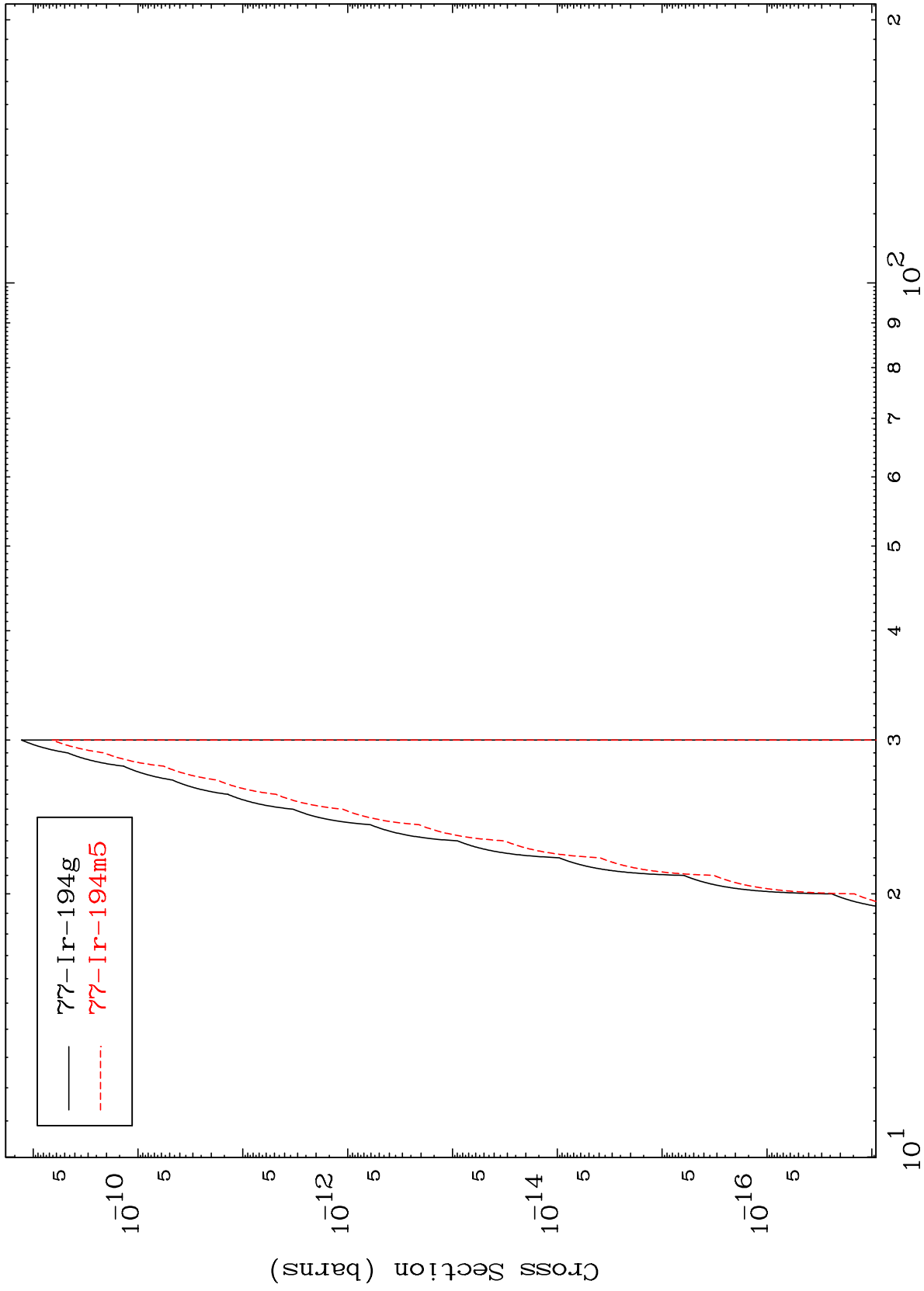
⁷⁹Au-196

MAT 7924

(n,p) d

79-Au-196

Radionuclide Production Cross Section



40

Incident Energy (MeV)

79-Au-196