

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

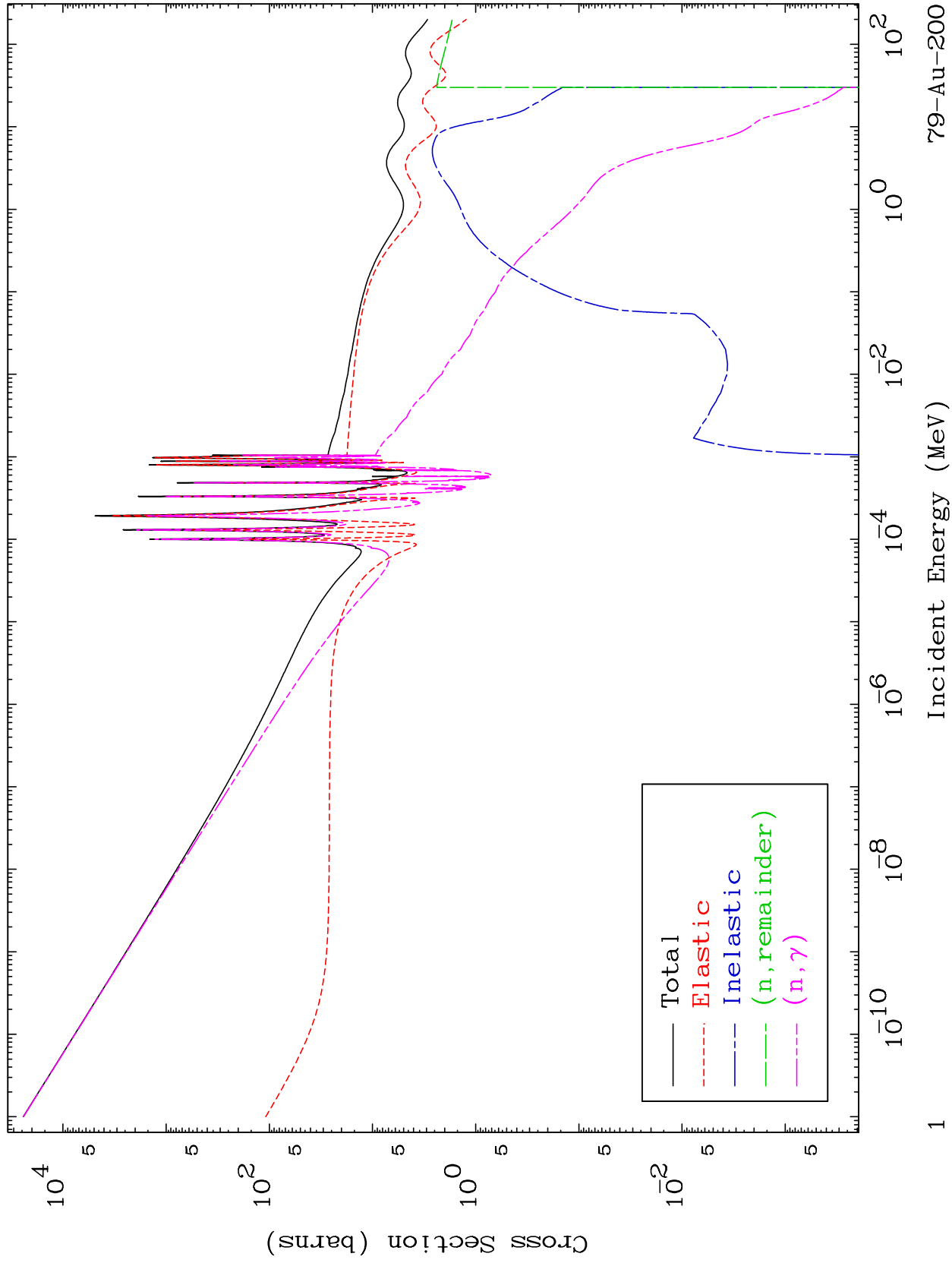
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7935

Major
293 Kelvin Cross Sections

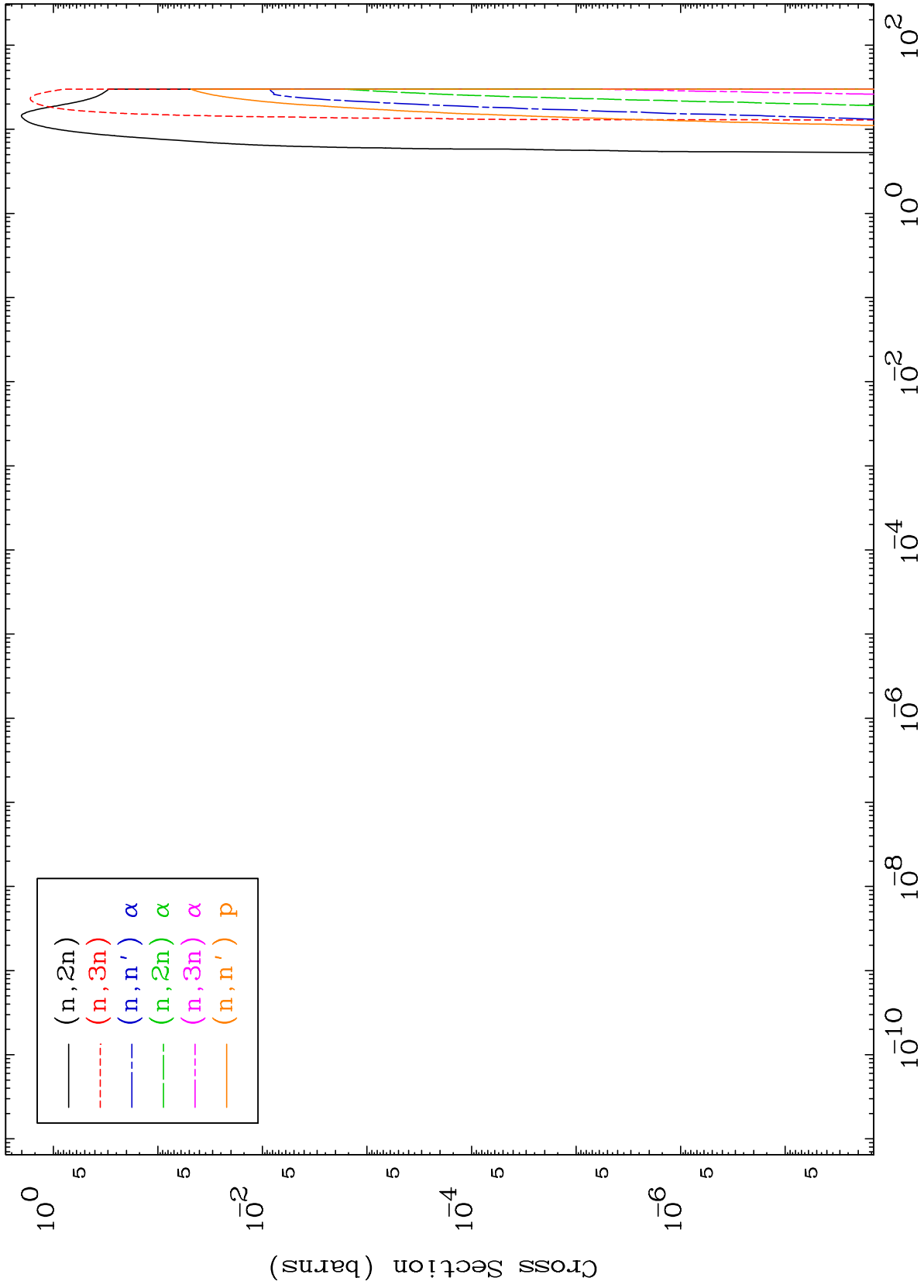
79-Au-200



MAT 7935

Neutron Production
293 Kelvin Cross Sections

79-Au-200



2

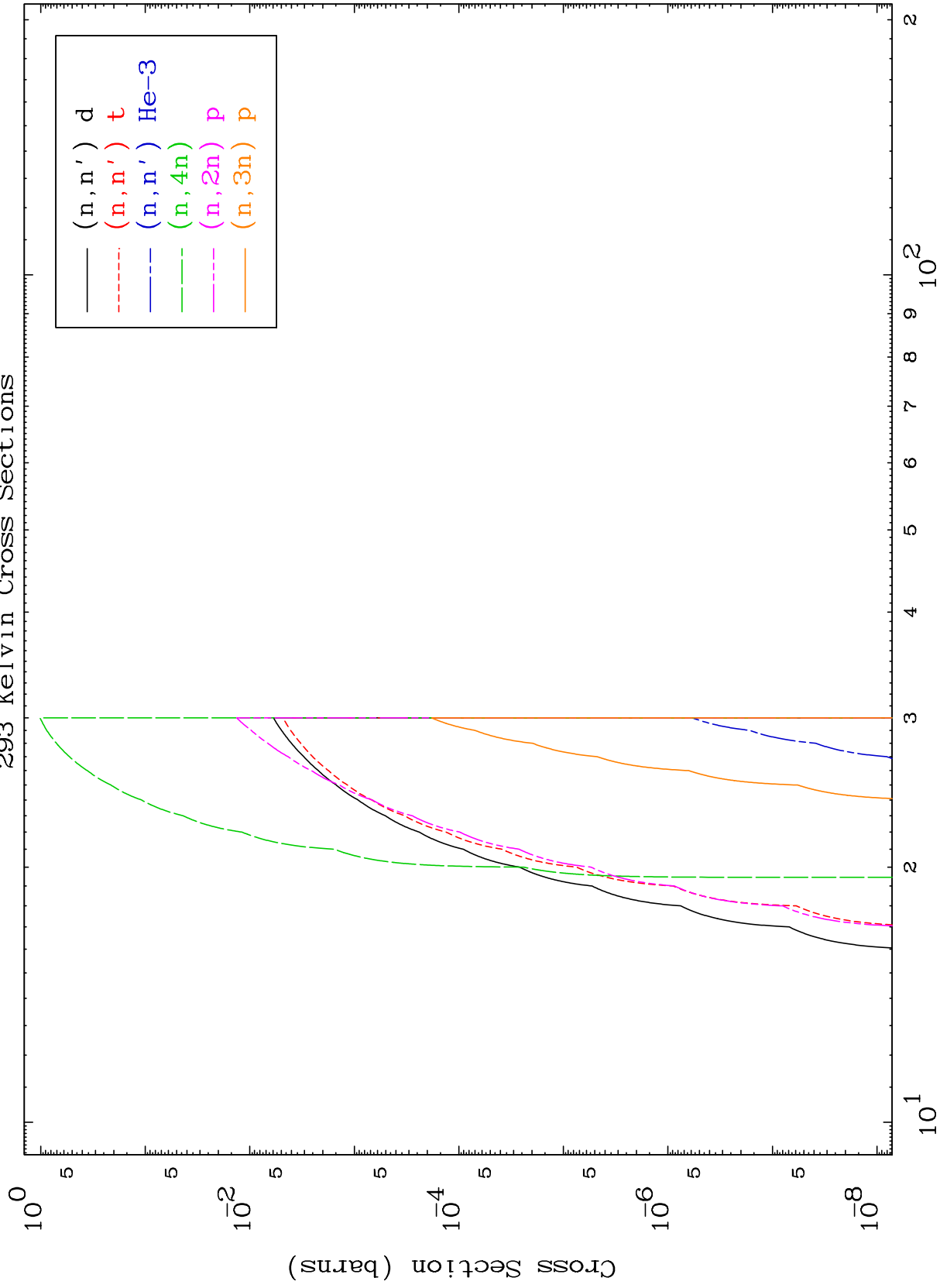
Incident Energy (MeV)

79-Au-200

MAT 7935

Neutron Production
293 Kelvin Cross Sections

79-Au-200



79-Au-200

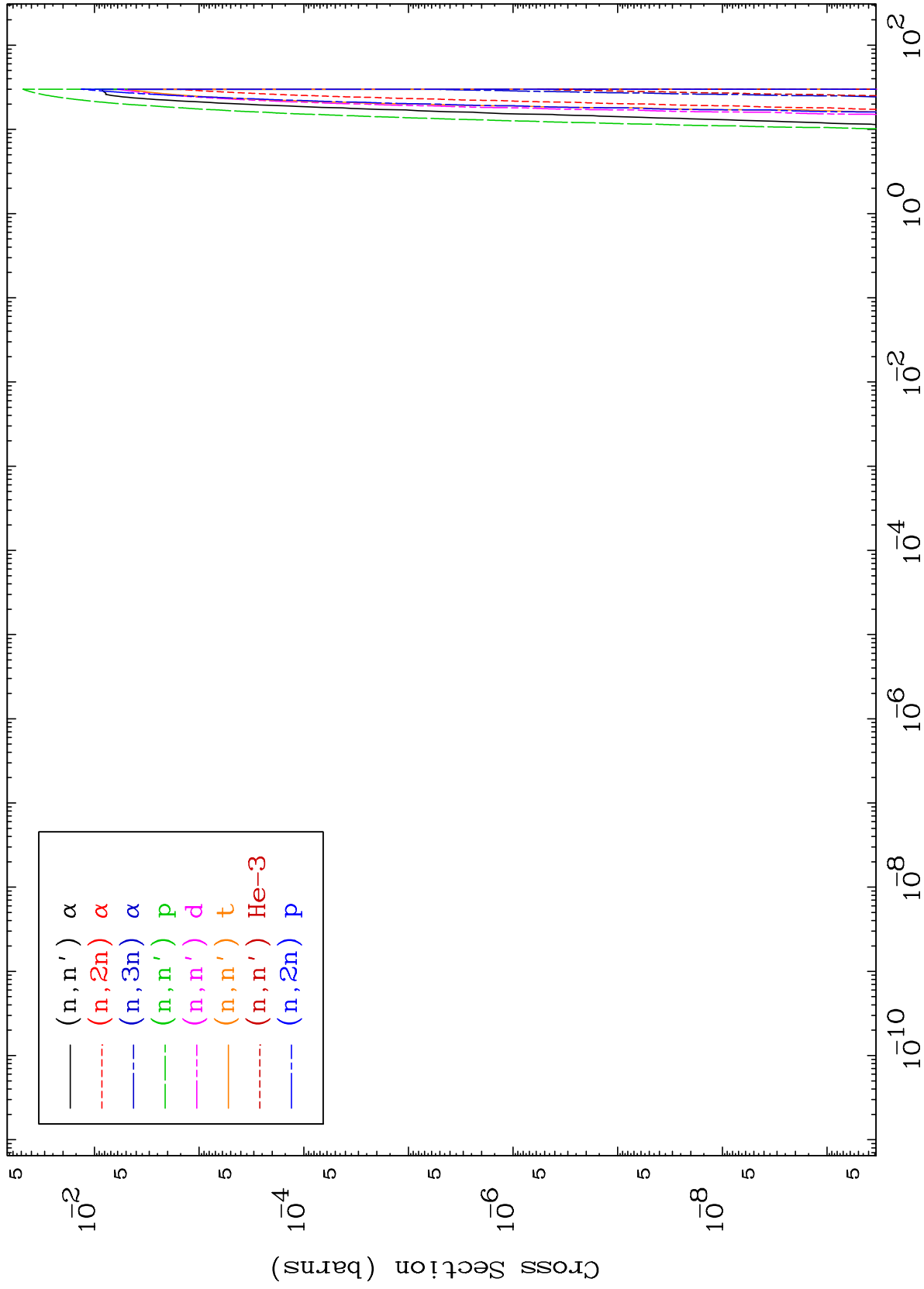
Incident Energy (MeV)

3

MAT 7935

293 Charged Particle
Kelvin Cross Sections

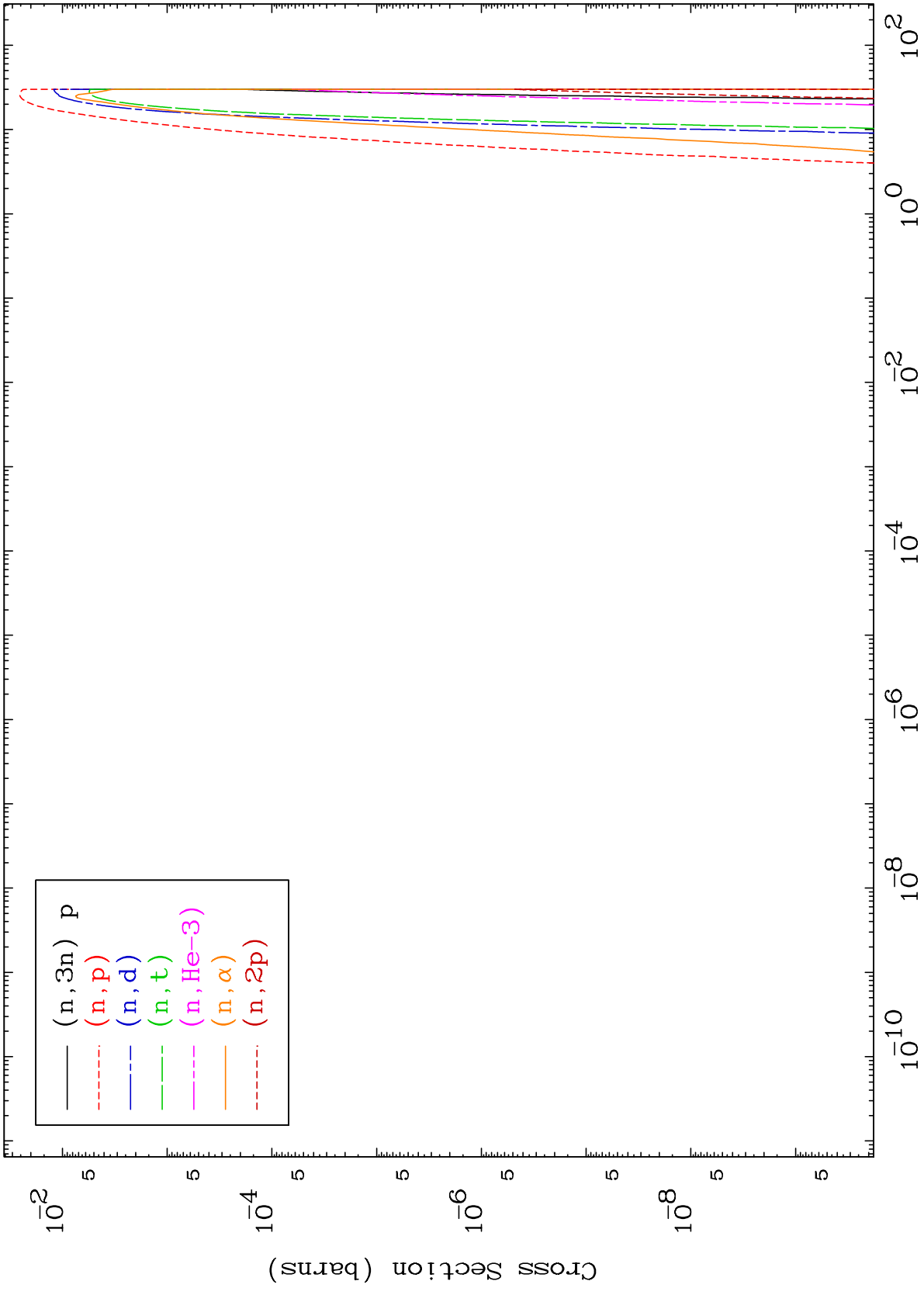
79-Au-200



MAT 7935

Charged Particle
293 Kelvin Cross Sections

79-Au-200



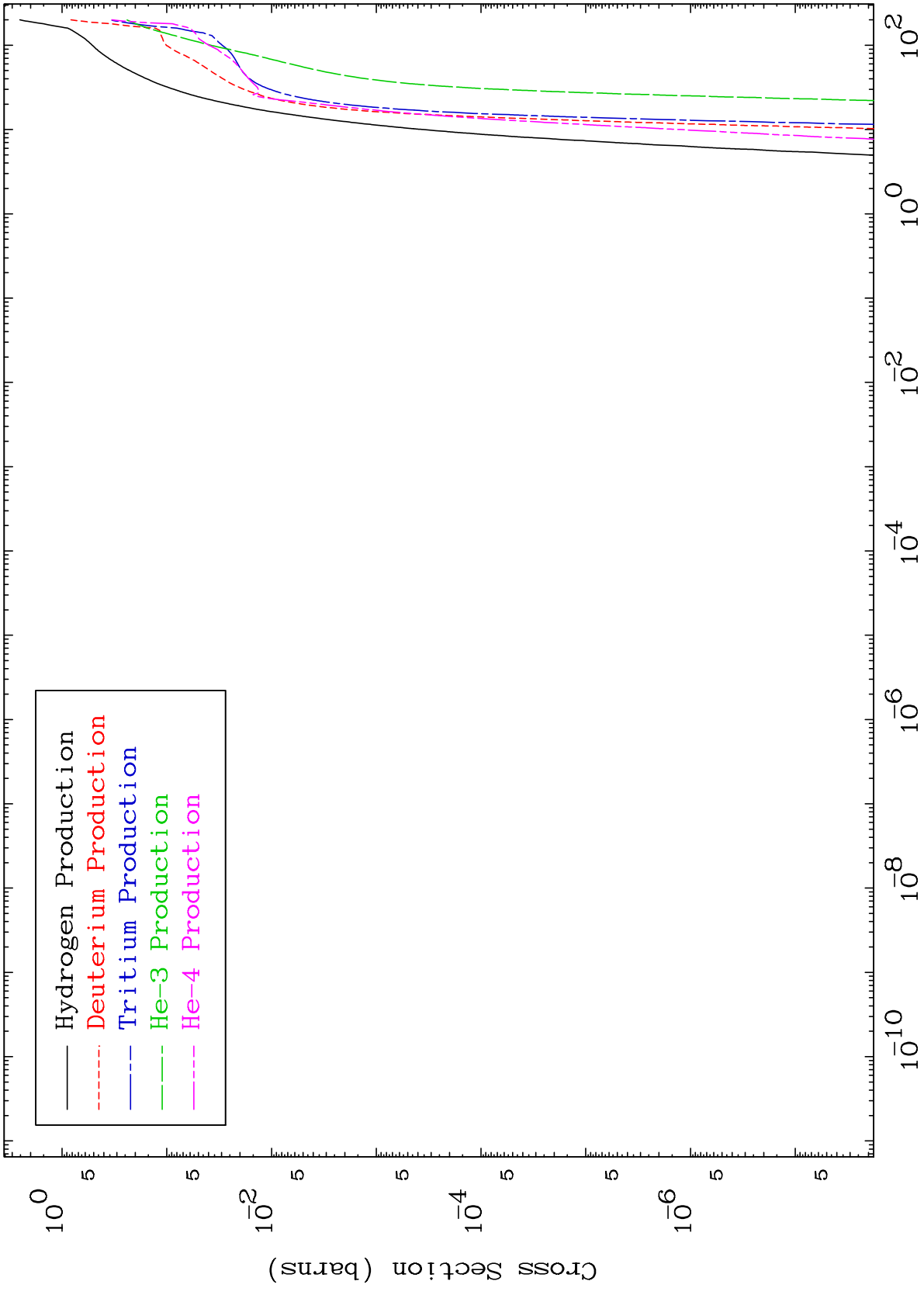
5

79-Au-200

MAT 7935

Particle Production
293 Kelvin Cross Sections

79-Au-200



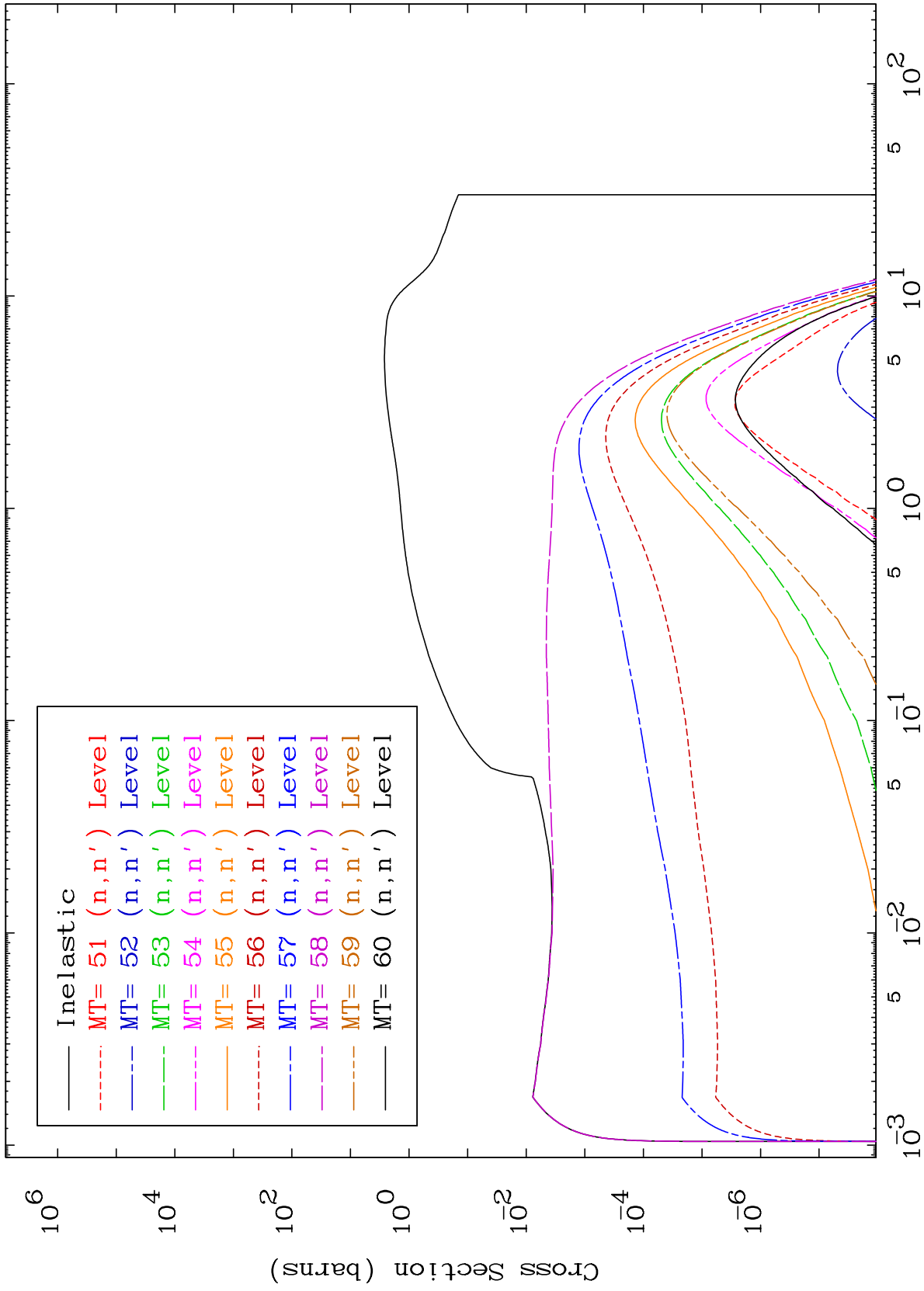
6

79-Au-200

MAT 7935

(n,n') Level
293 Kelvin Cross Sections

79-Au-200



79-Au-200

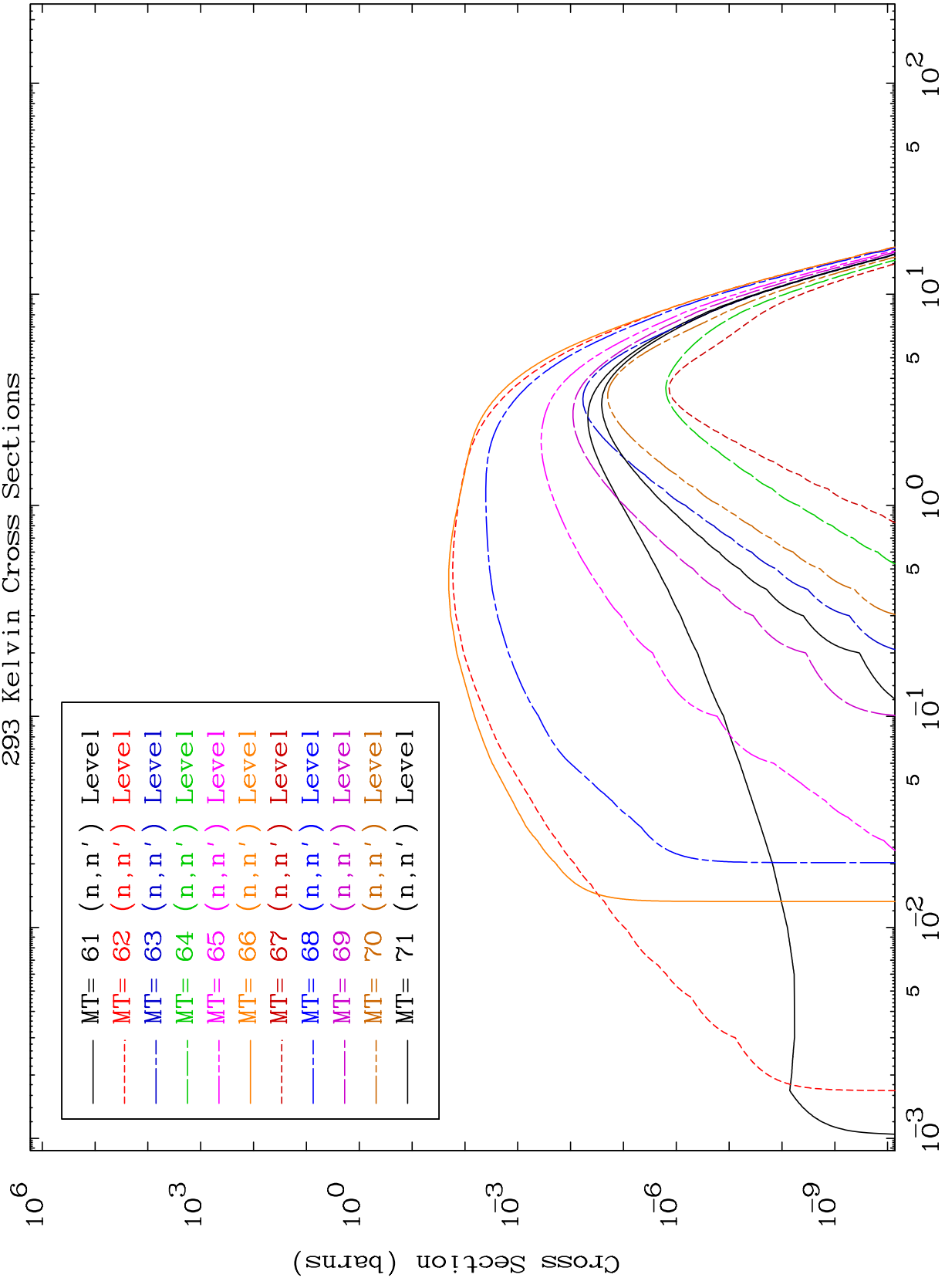
Incident Energy (MeV)

7

MAT 7935

(n,n') Level
293 Kelvin Cross Sections

79-Au-200



8

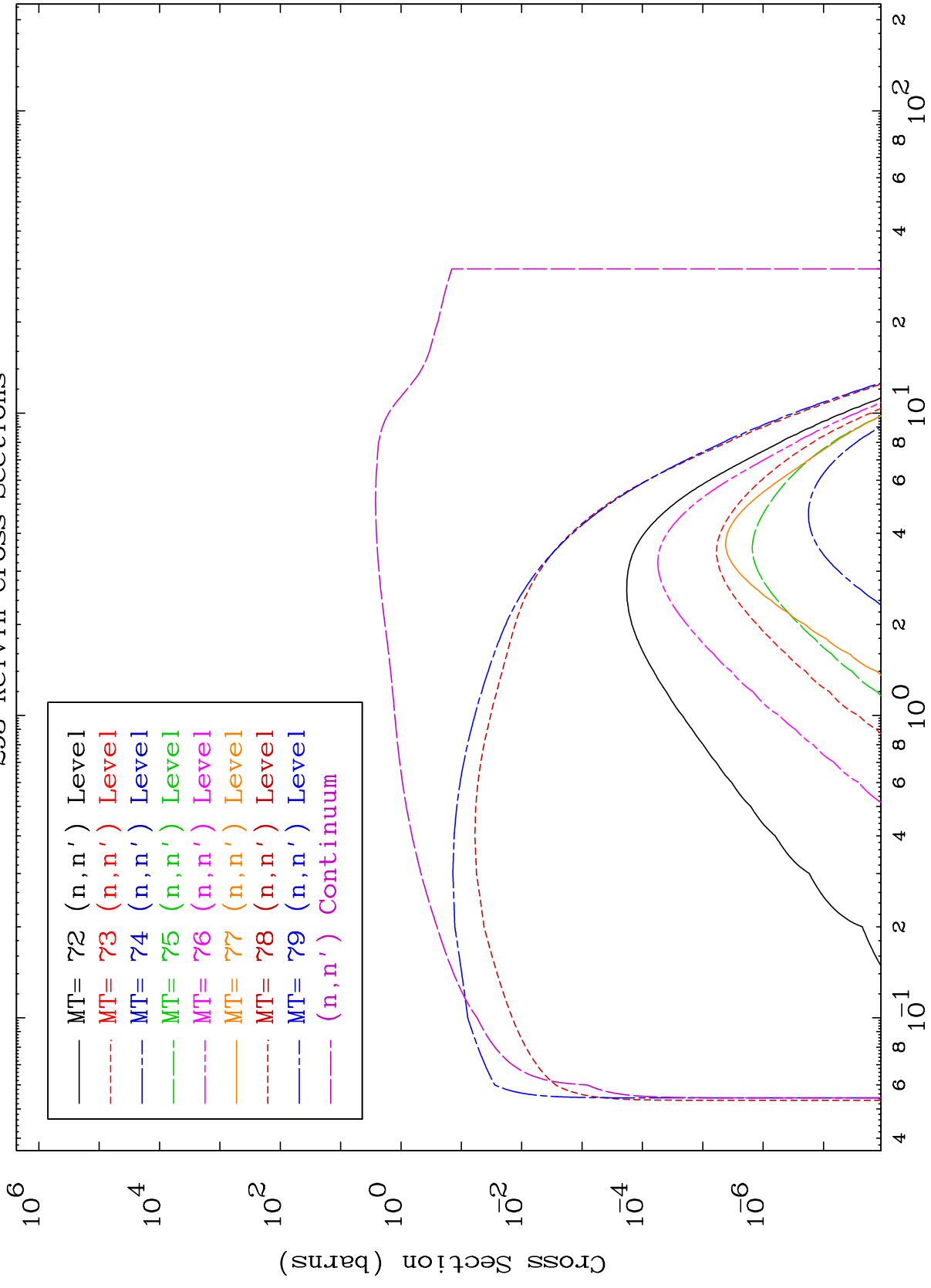
Incident Energy (MeV)

79-Au-200

MAT 7935

293 Kelvin Cross Sections
(n,n') Level

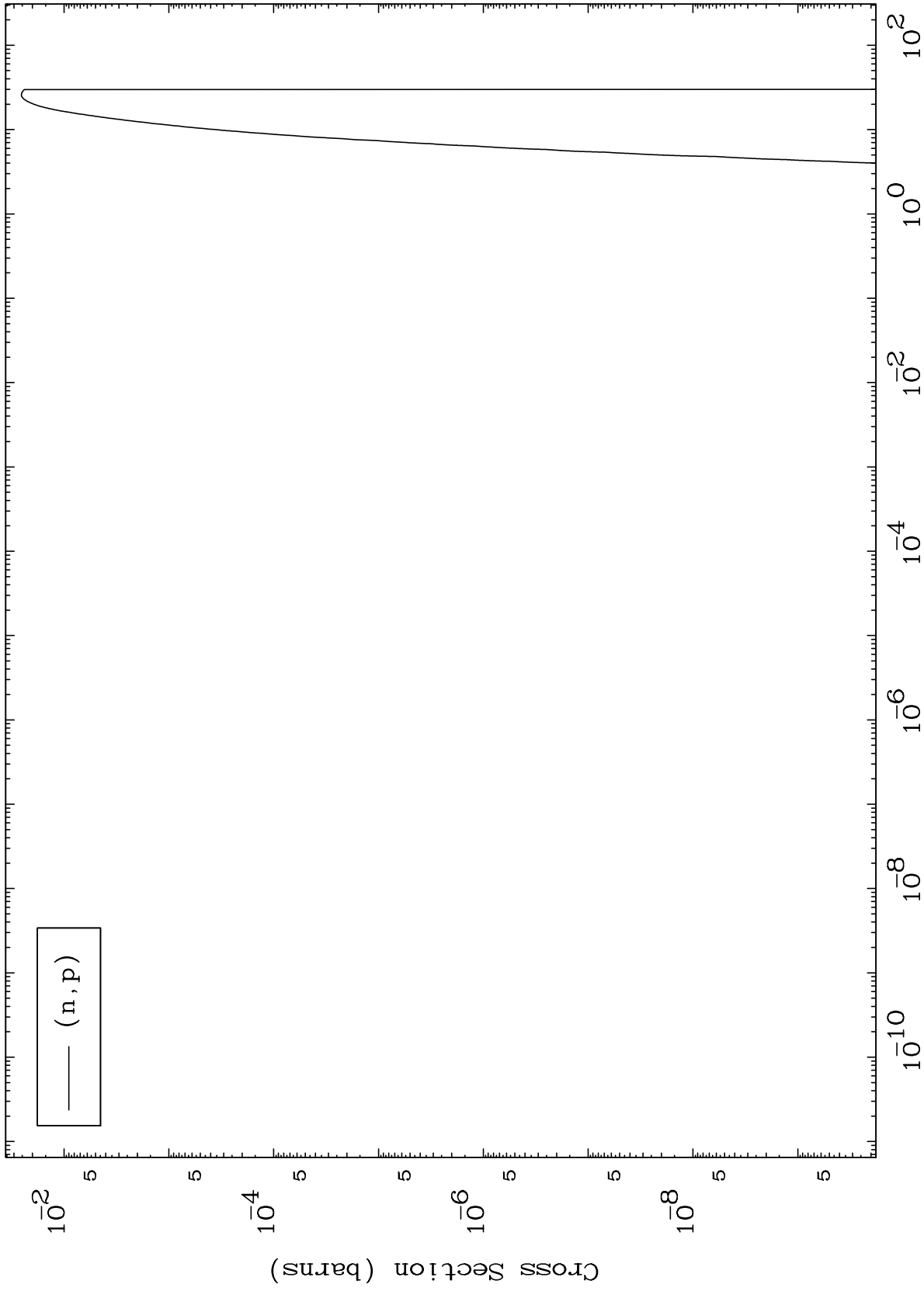
79-Au-200



MAT 7935

(n,p) Levels
293 Kelvin Cross Sections

79-Au-200



10

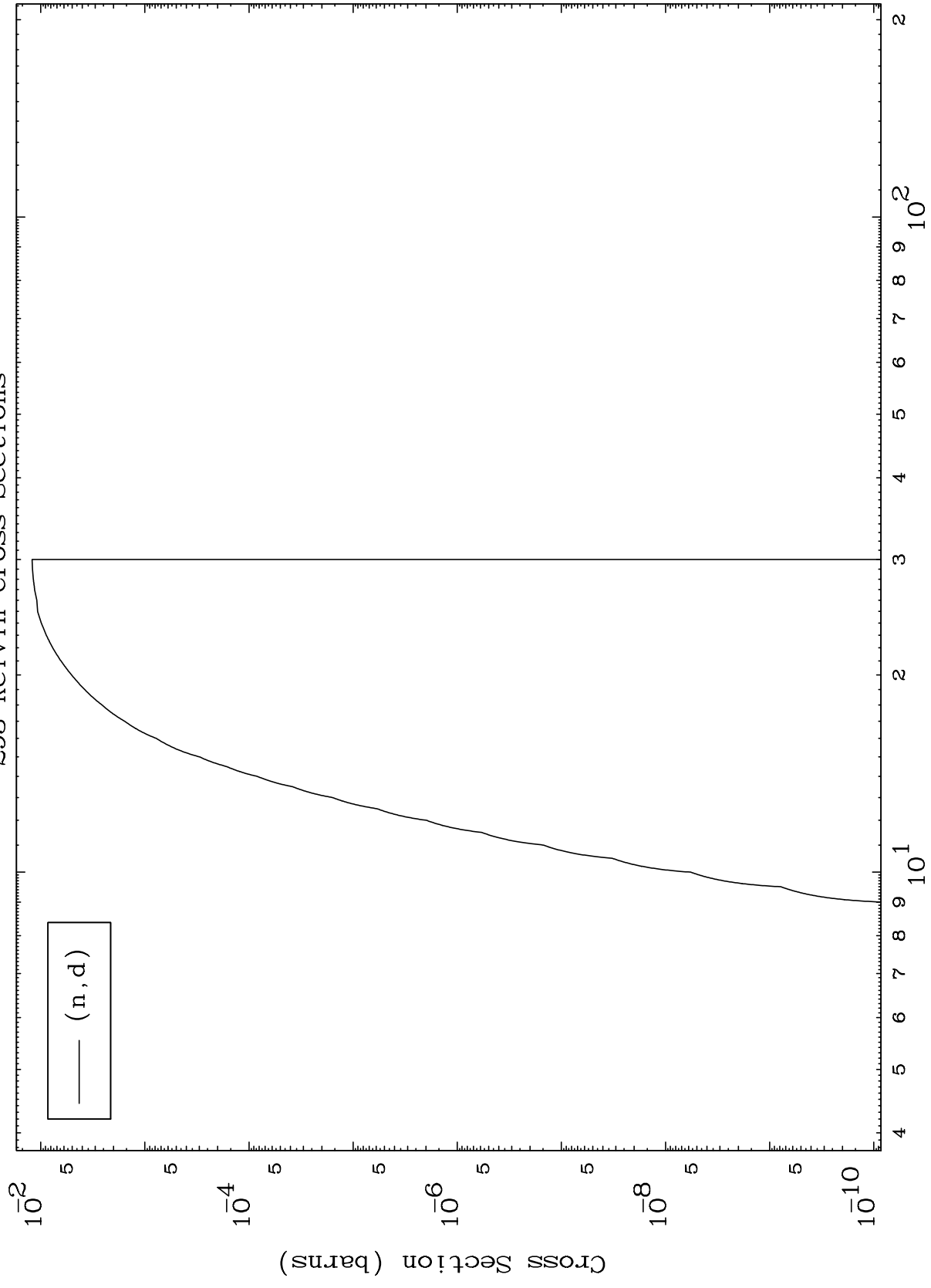
Incident Energy (MeV)

79-Au-200

MAT 7935

(n,d) Levels
293 Kelvin Cross Sections

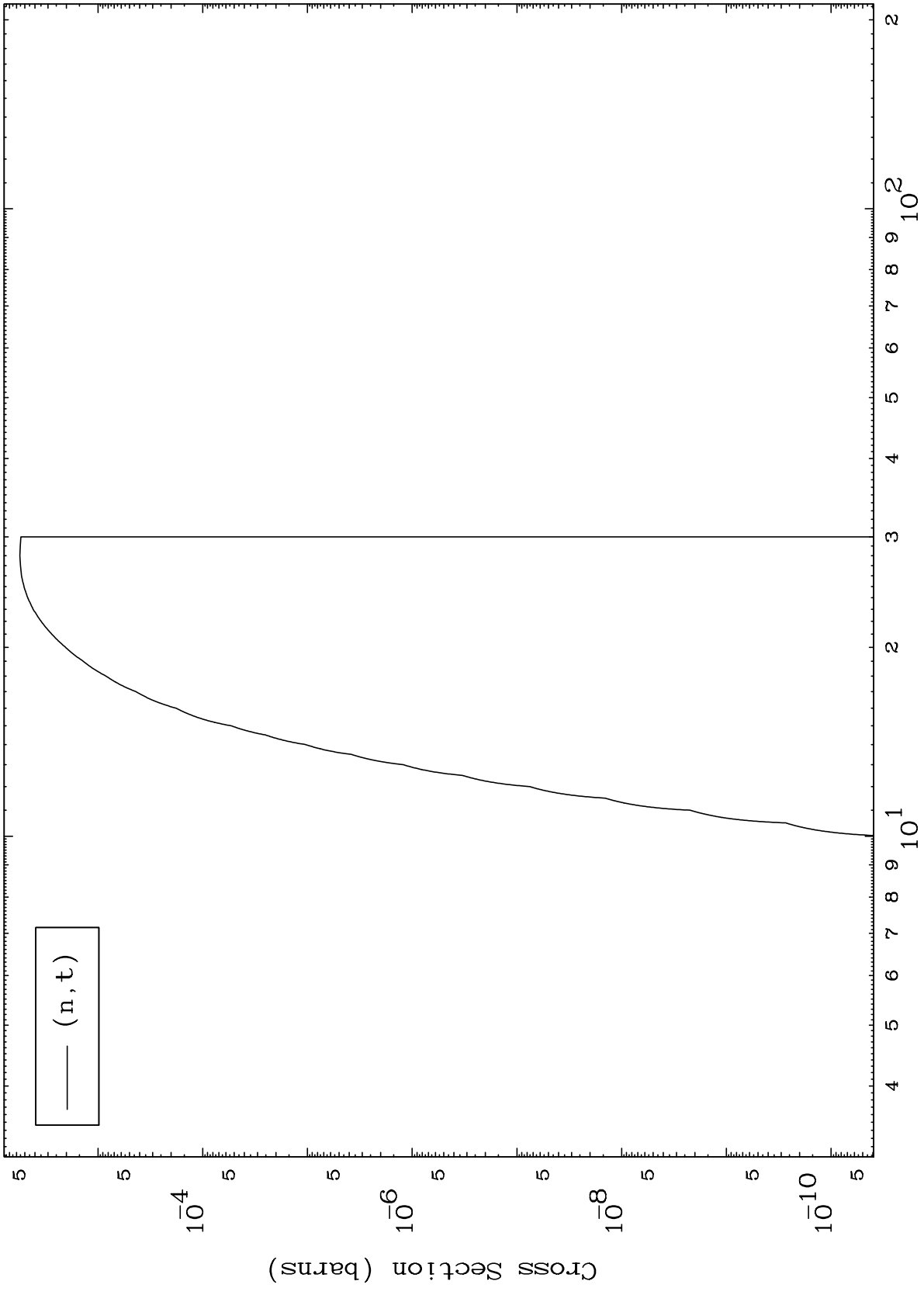
79-Au-200



MAT 7935

(n,t) Levels
293 Kelvin Cross Sections

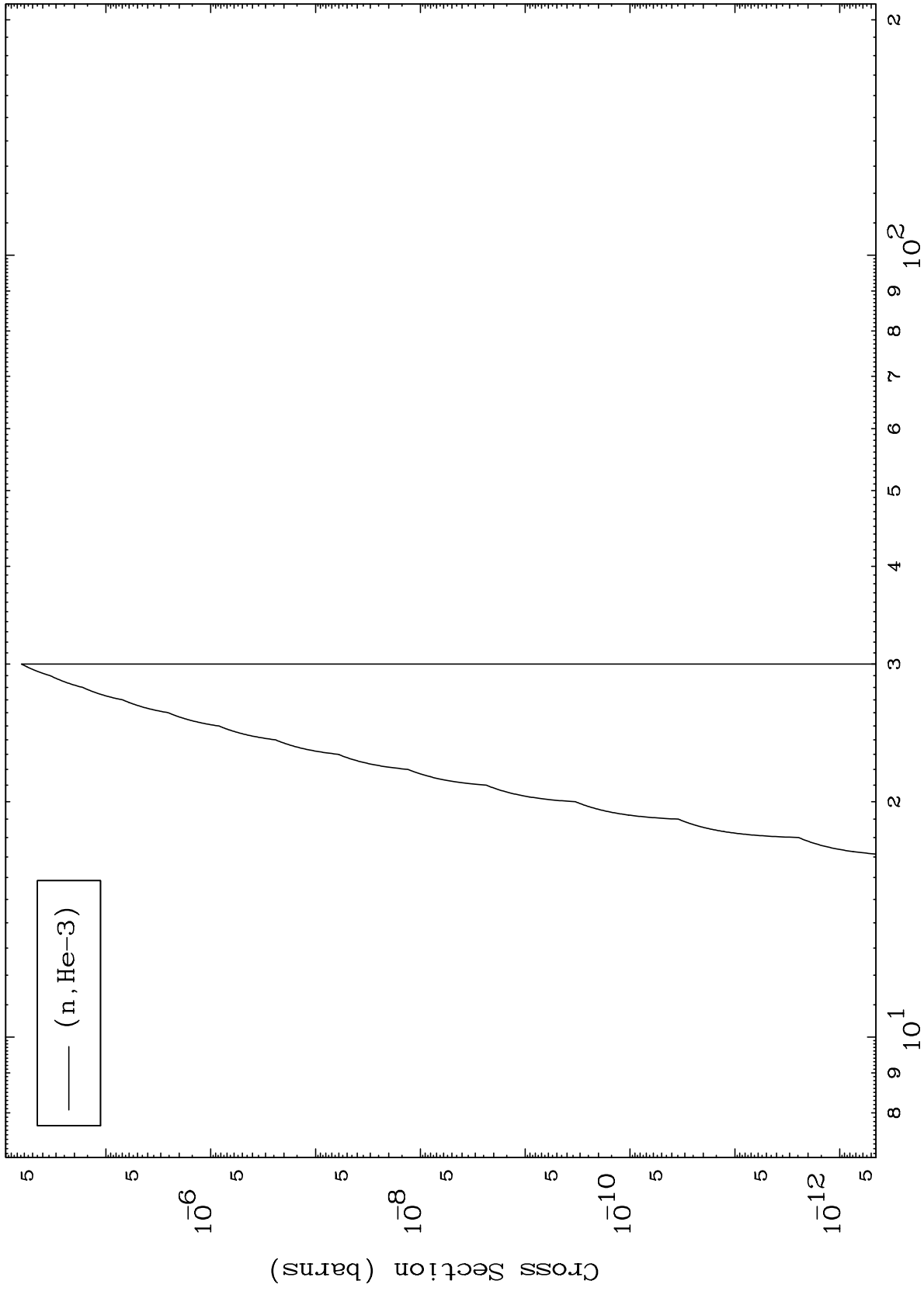
79-Au-200



MAT 7935

(n,He3) Levels
293 Kelvin Cross Sections

79-Au-200



13

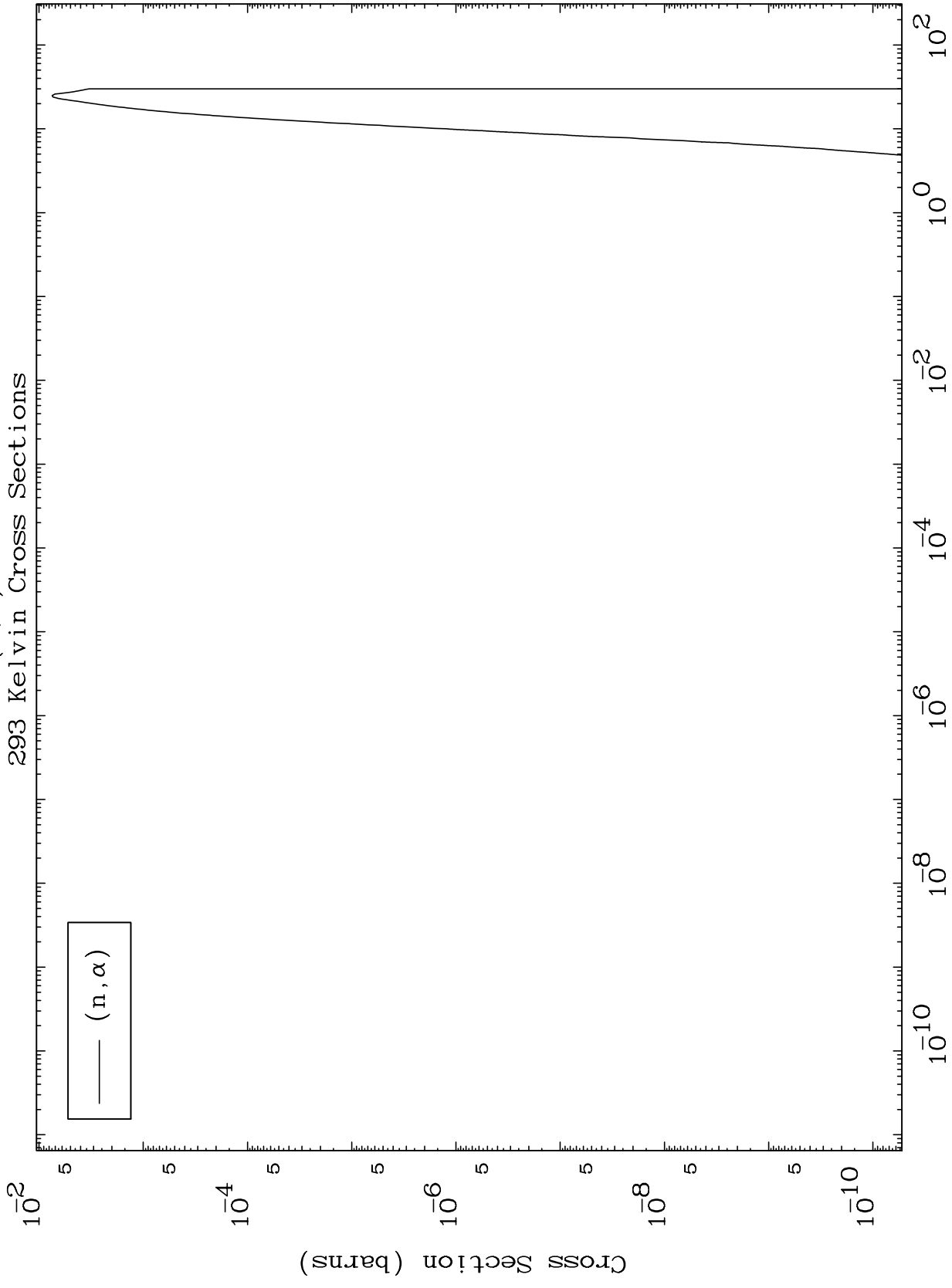
Incident Energy (MeV)

79-Au-200

MAT 7935

(n,α) Levels
293 Kelvin Cross Sections

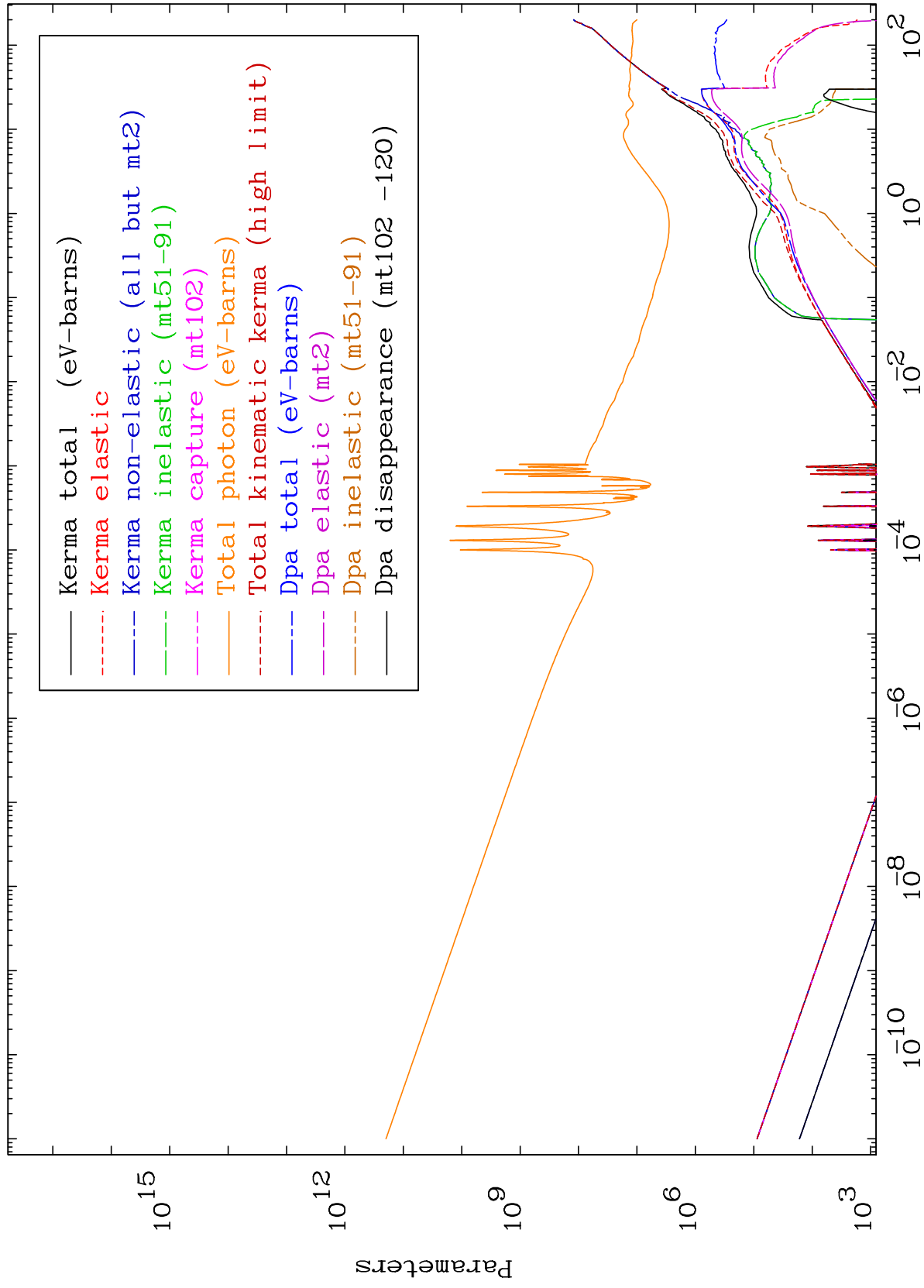
79-Au-200



(n,α)

79-Au-200

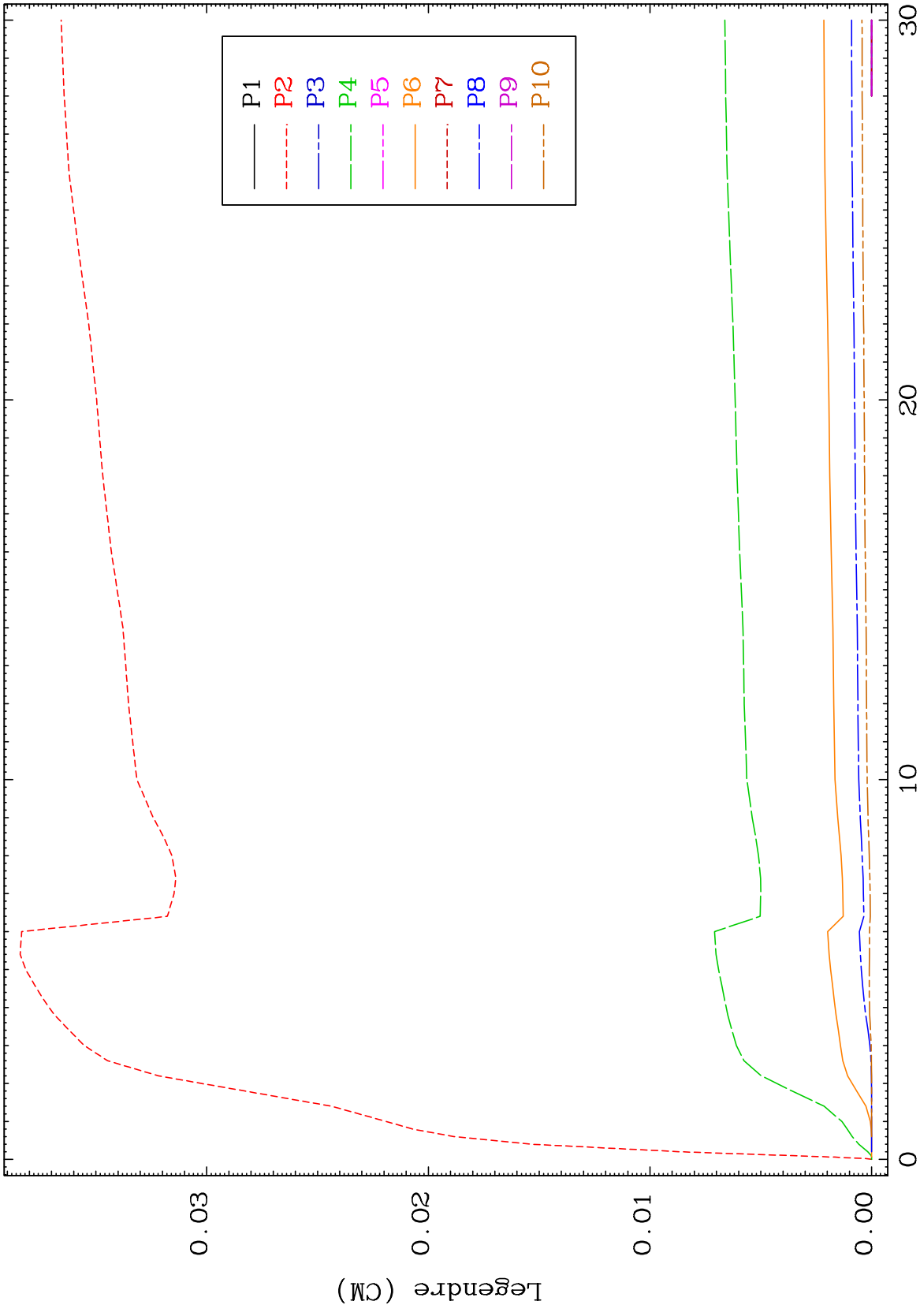
Incident Energy (MeV)



MAT 7935

Elastic Legendre Coefficients

79-Au-200



79-Au-200

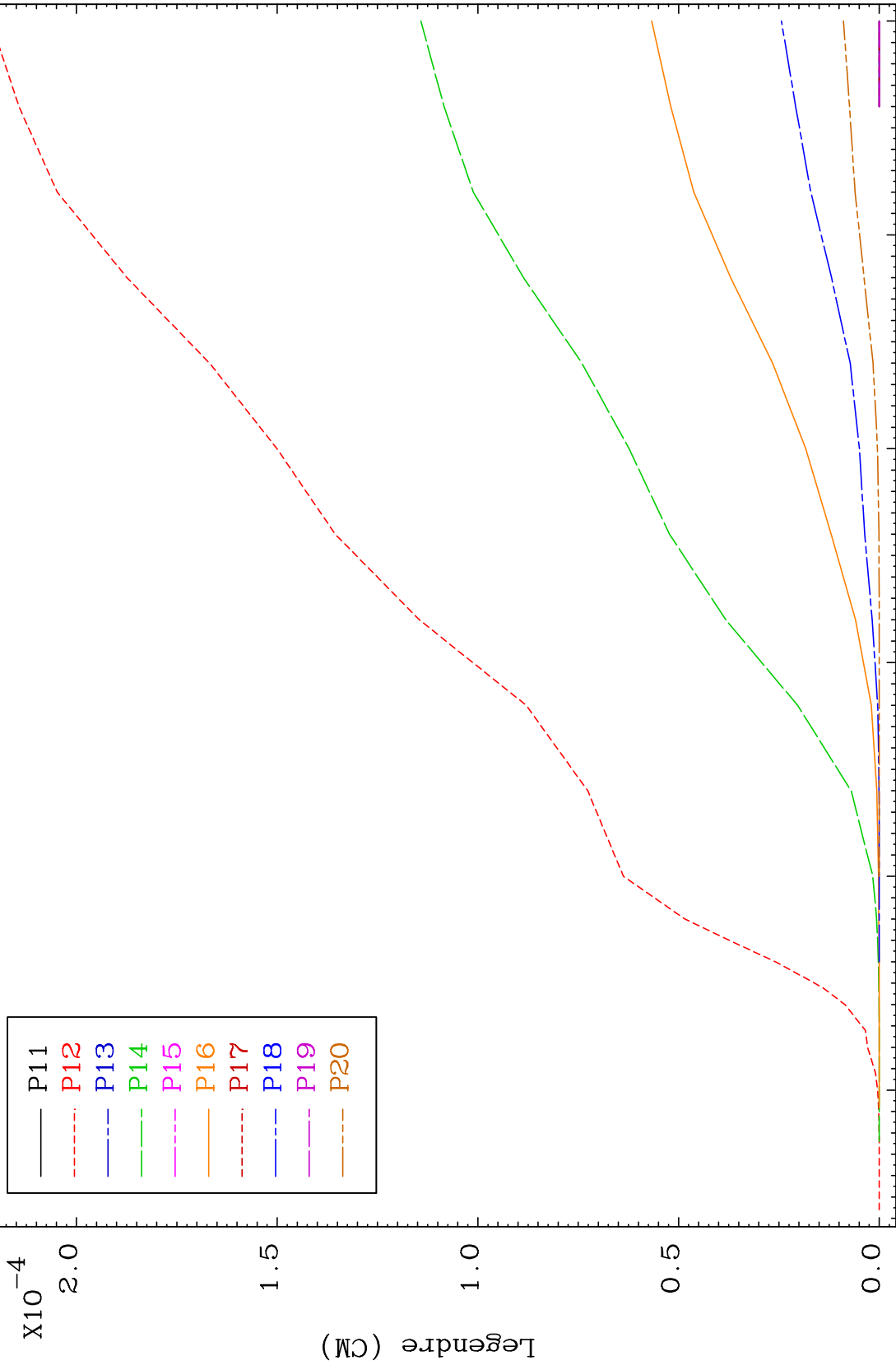
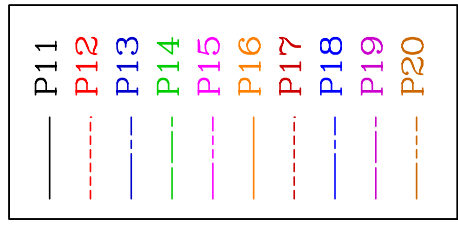
Incident Energy (MeV)

16

MAT 7935

Elastic Legendre Coefficients

79-Au-200



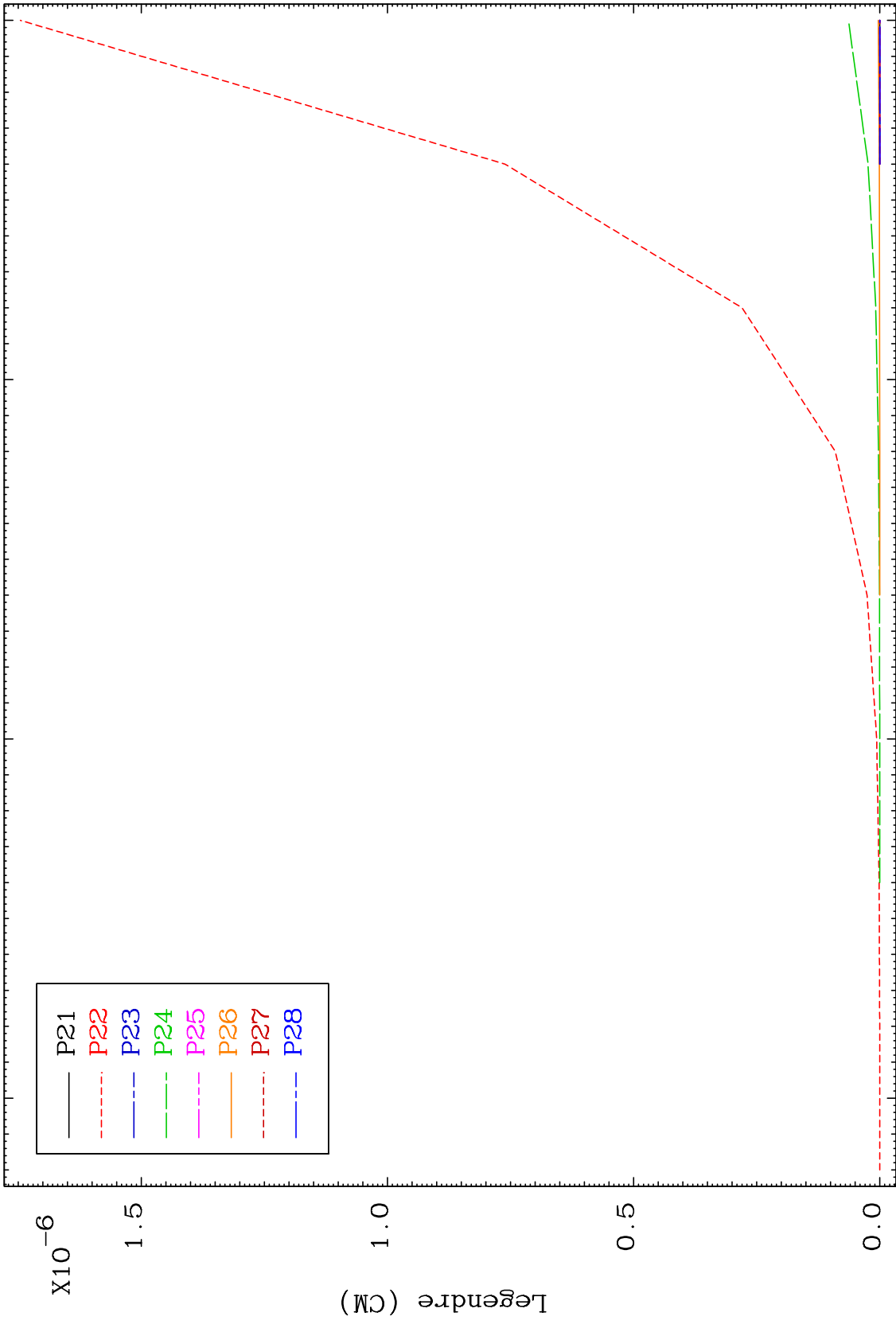
17

79-Au-200

MAT 7935

Elastic Legendre Coefficients

79-Au-200



18

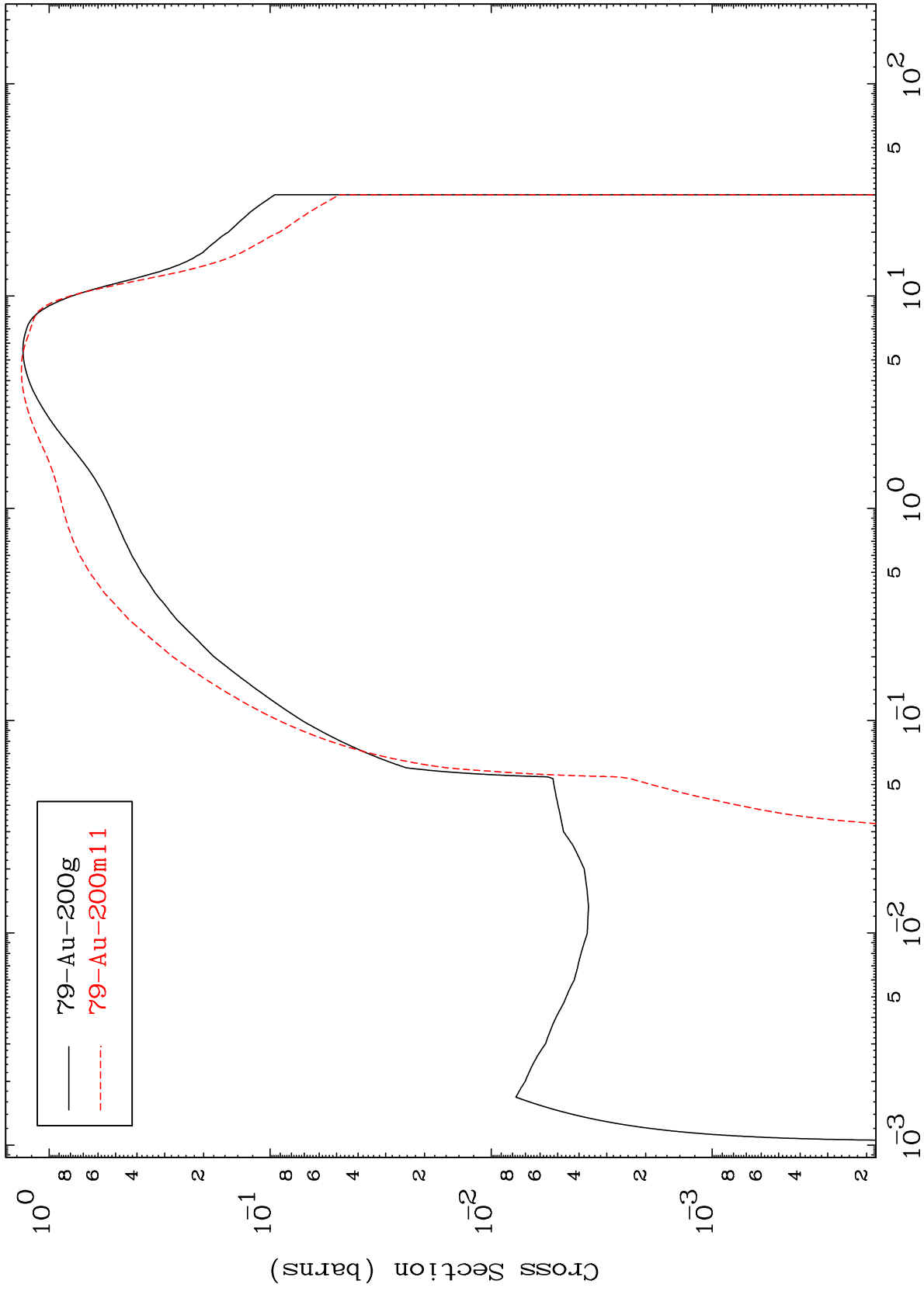
Incident Energy (MeV)

79-Au-200

MAT 7935

79-Au-200

Inelastic
Radionuclide Production Cross Section



19

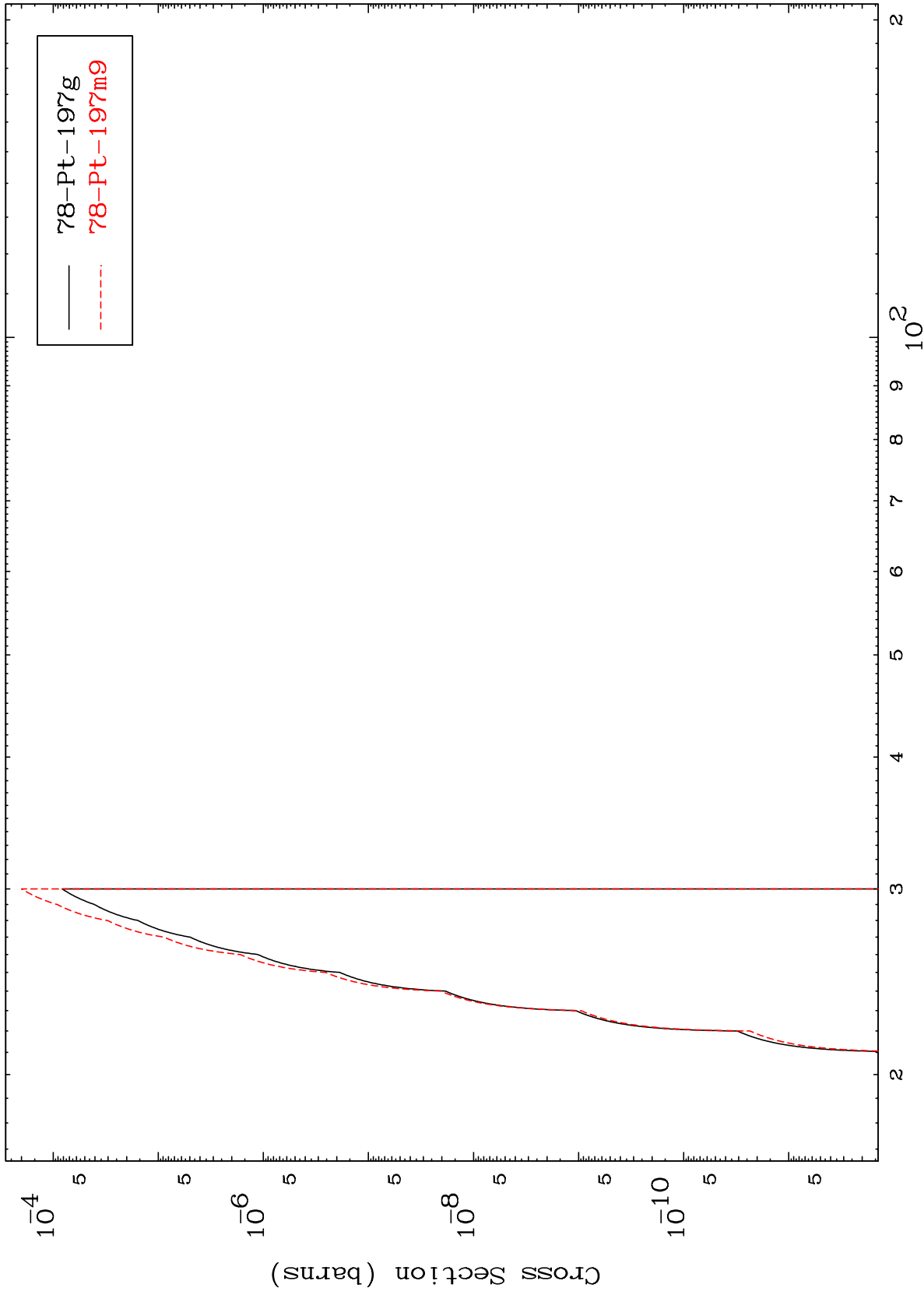
79-Au-200

MAT 7935

(n,2n) d

79-Au-200

Radionuclide Production Cross Section



20

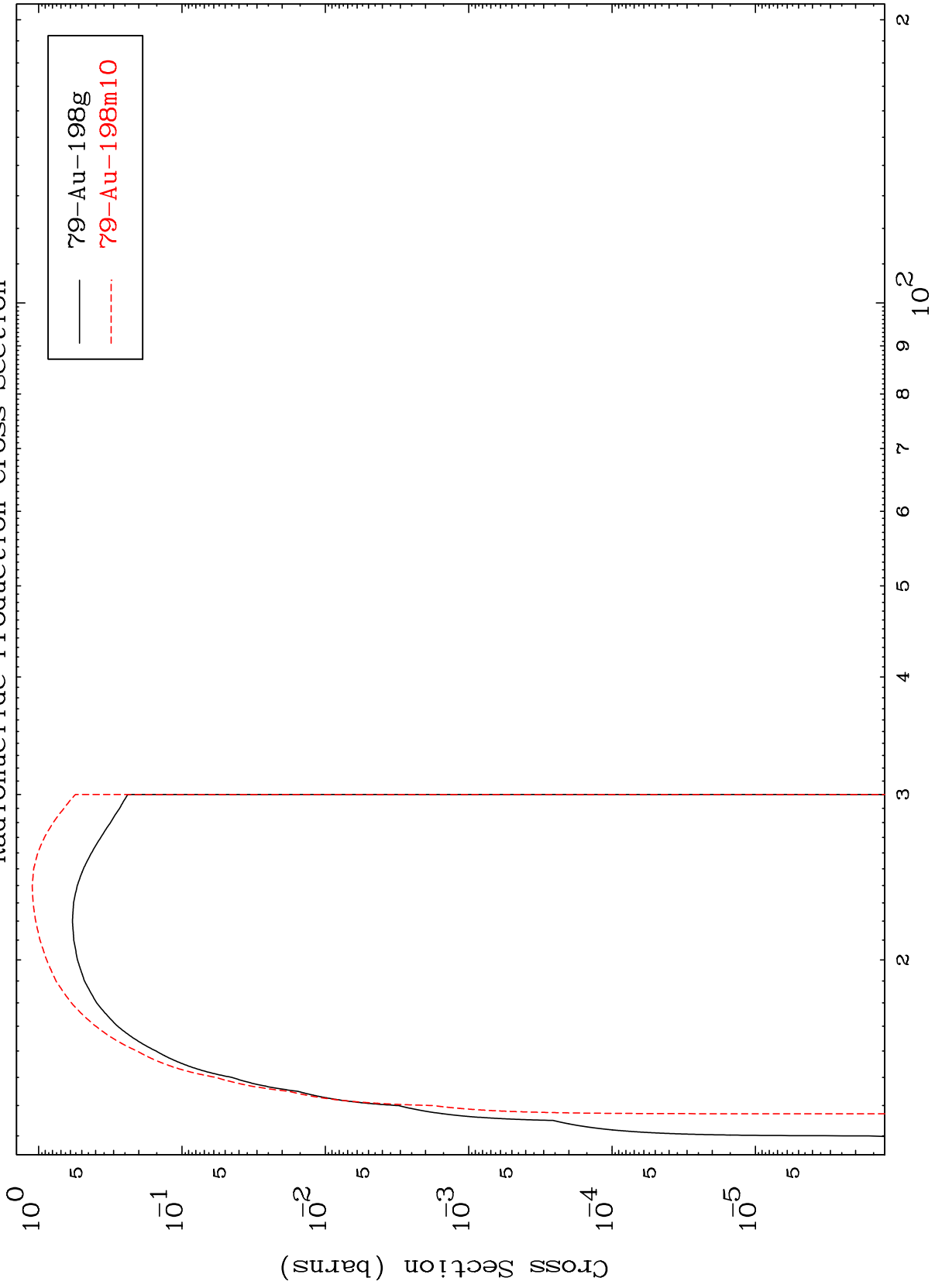
Incident Energy (MeV)

79-Au-200

MAT 7935

⁷⁹Au-200

(n,3n)
Radionuclide Production Cross Section



21

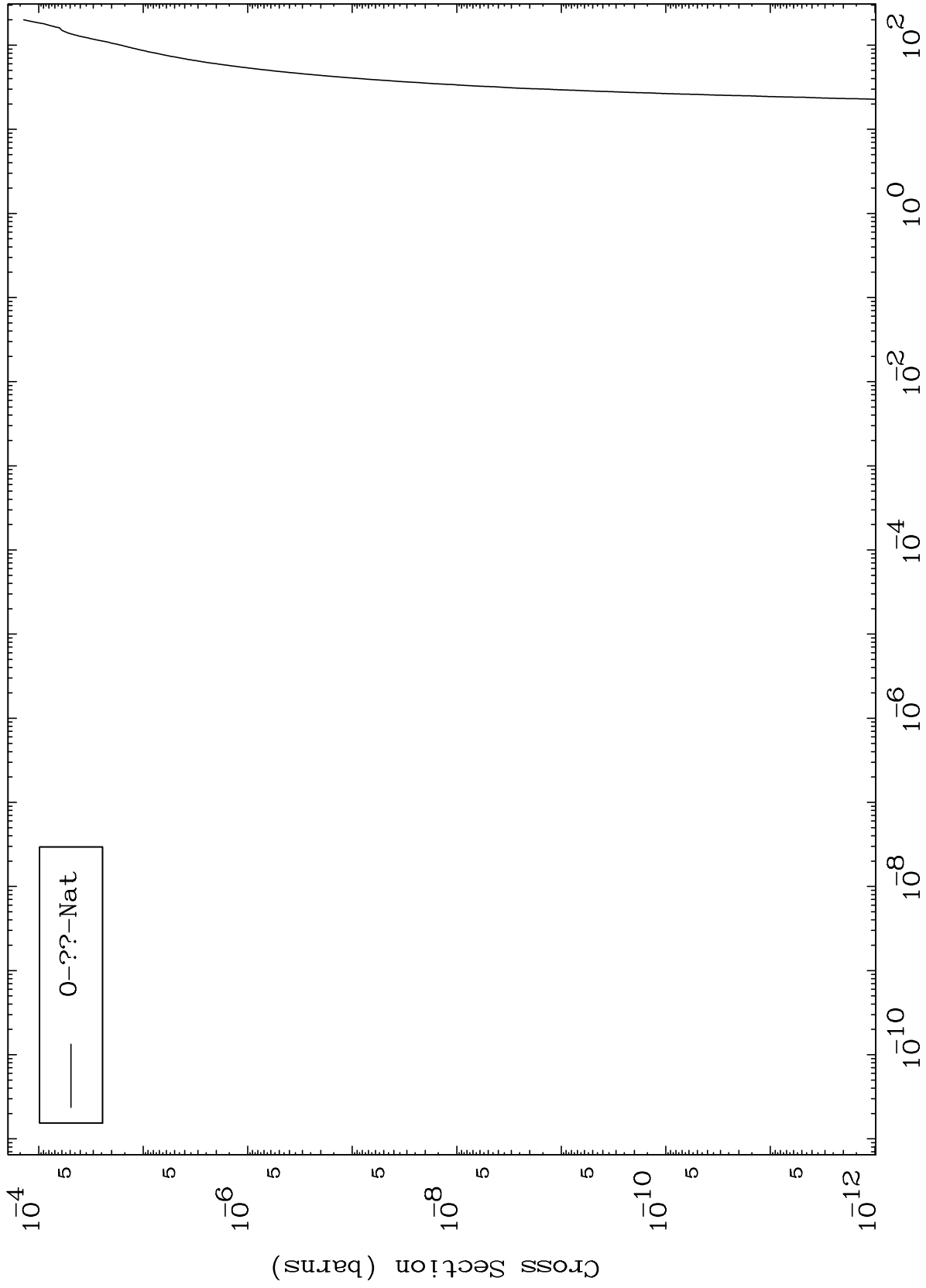
⁷⁹Au-200

Incident Energy (MeV)

MAT 7935

Fission
Radionuclide Production Cross Section

⁷⁹Au-200



22

Incident Energy (MeV)

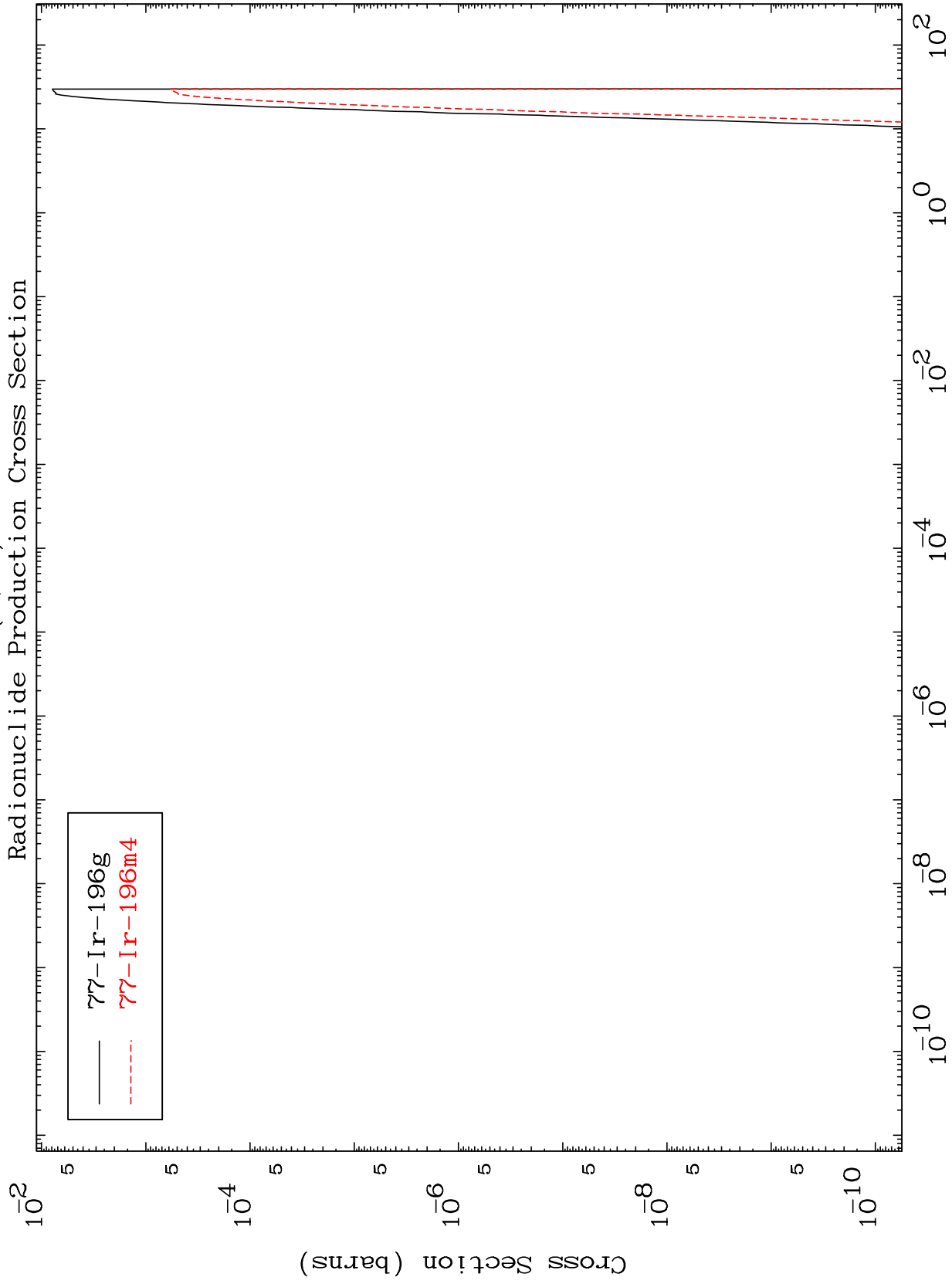
⁷⁹Au-200

MAT 7935

(n,n') α

⁷⁹Au-200

Radionuclide Production Cross Section



23

Incident Energy (MeV)

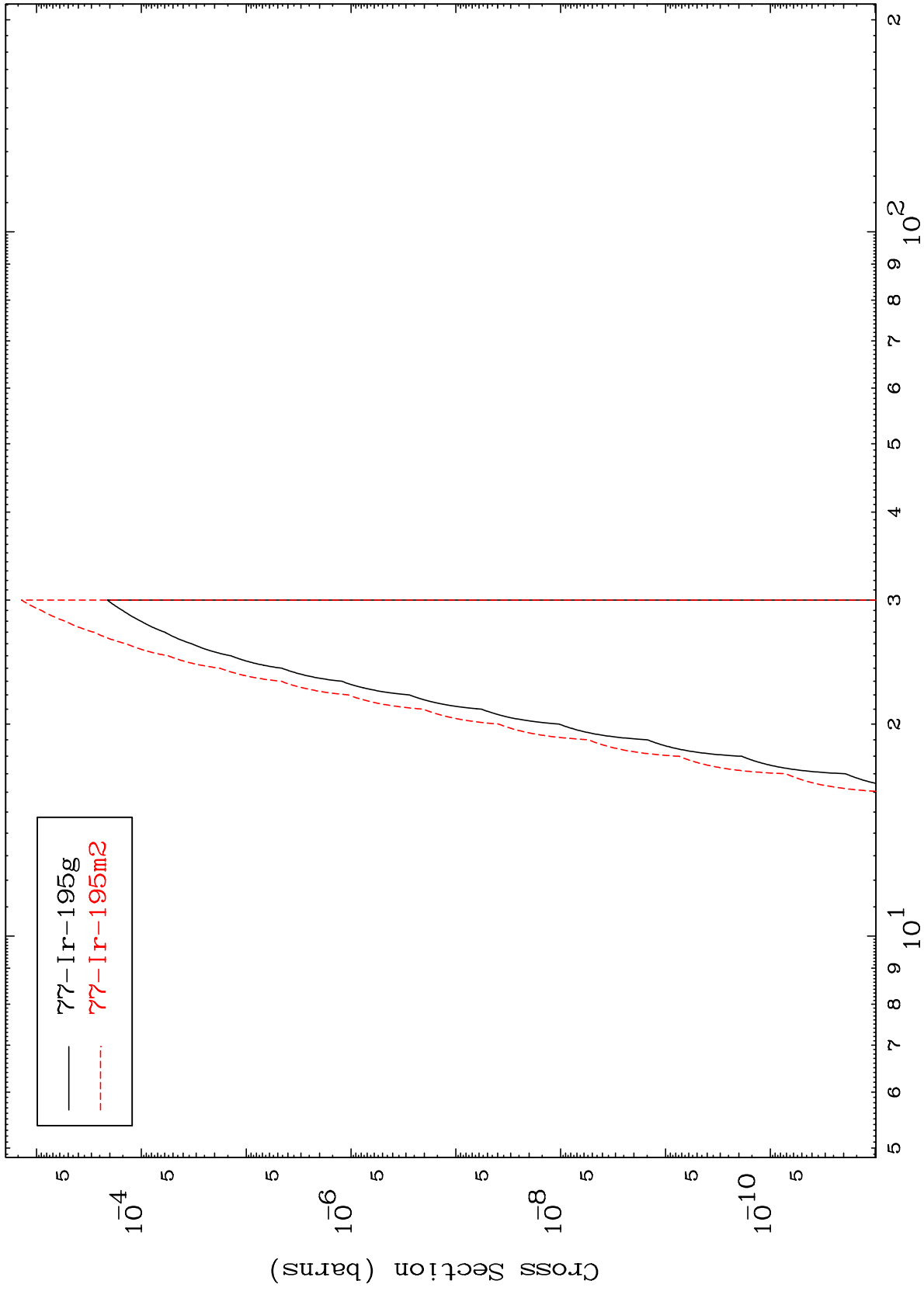
⁷⁹Au-200

MAT 7935

$(n, 2n) \alpha$

$^{79}\text{Au-200}$

Radionuclide Production Cross Section



24

Incident Energy (MeV)

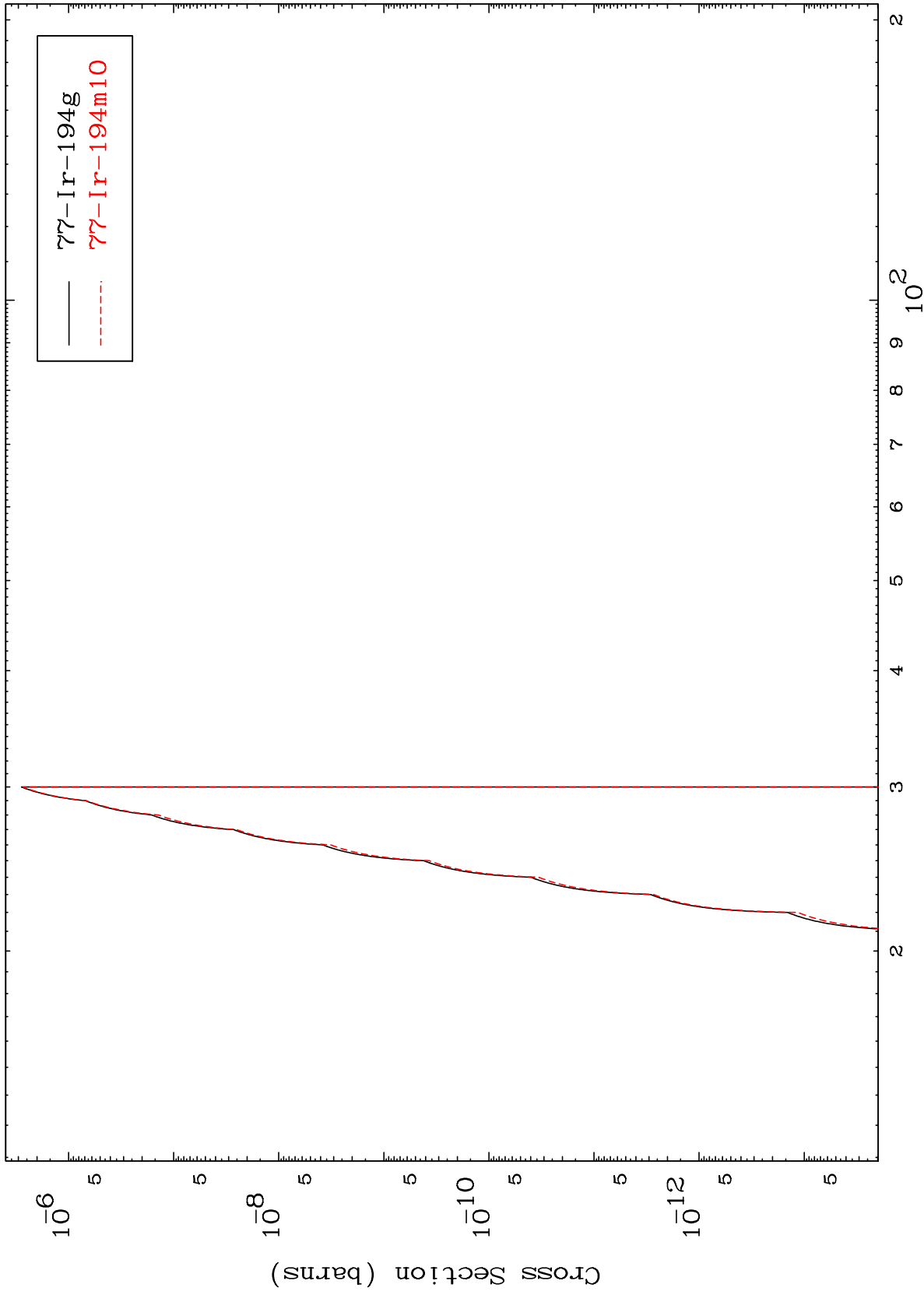
$^{79}\text{Au-200}$

MAT 7935

(n,3n) α

79-Au-200

Radionuclide Production Cross Section



25

Incident Energy (MeV)

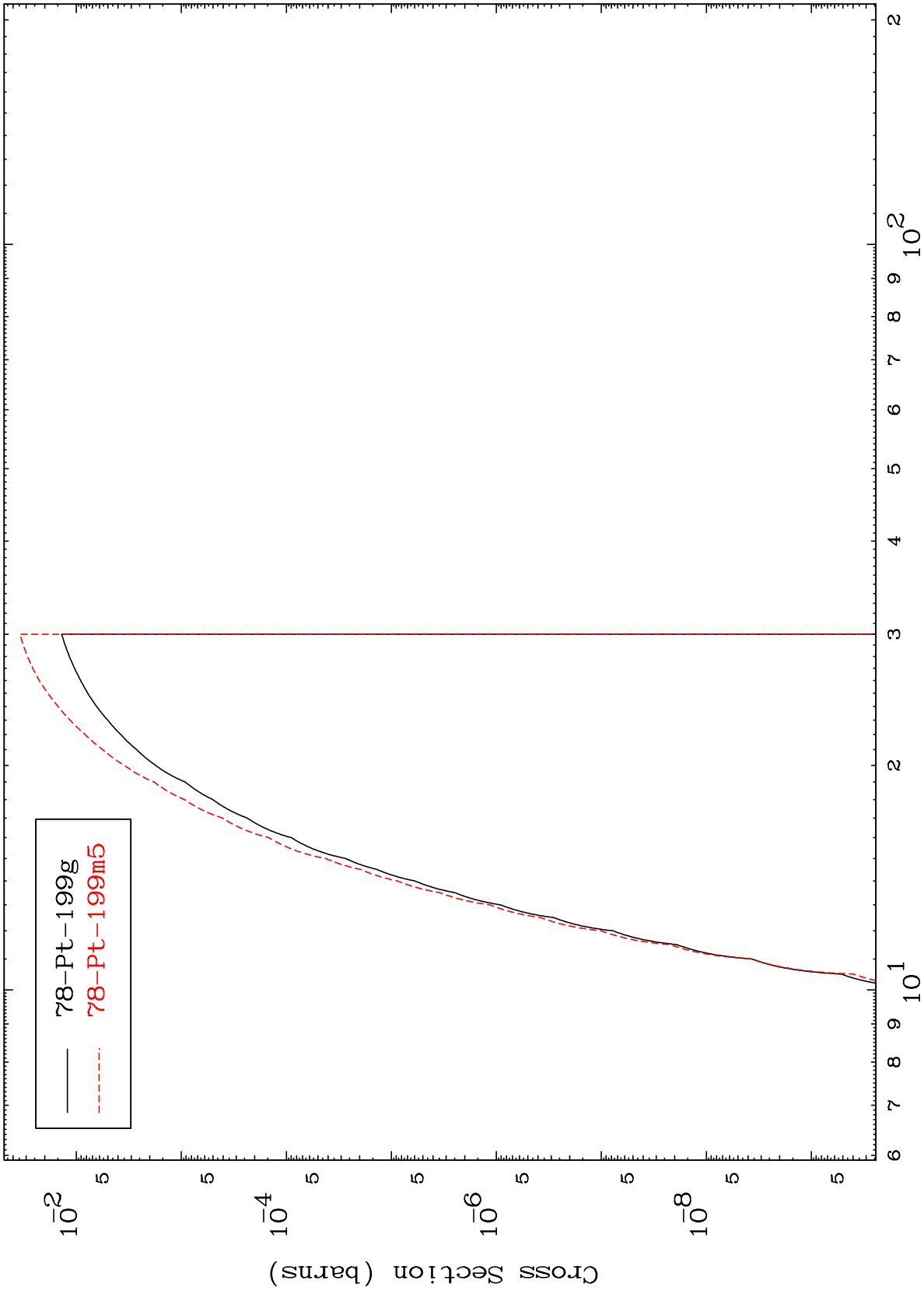
79-Au-200

MAT 7935

(n,n') p

79-Au-200

Radionuclide Production Cross Section



26

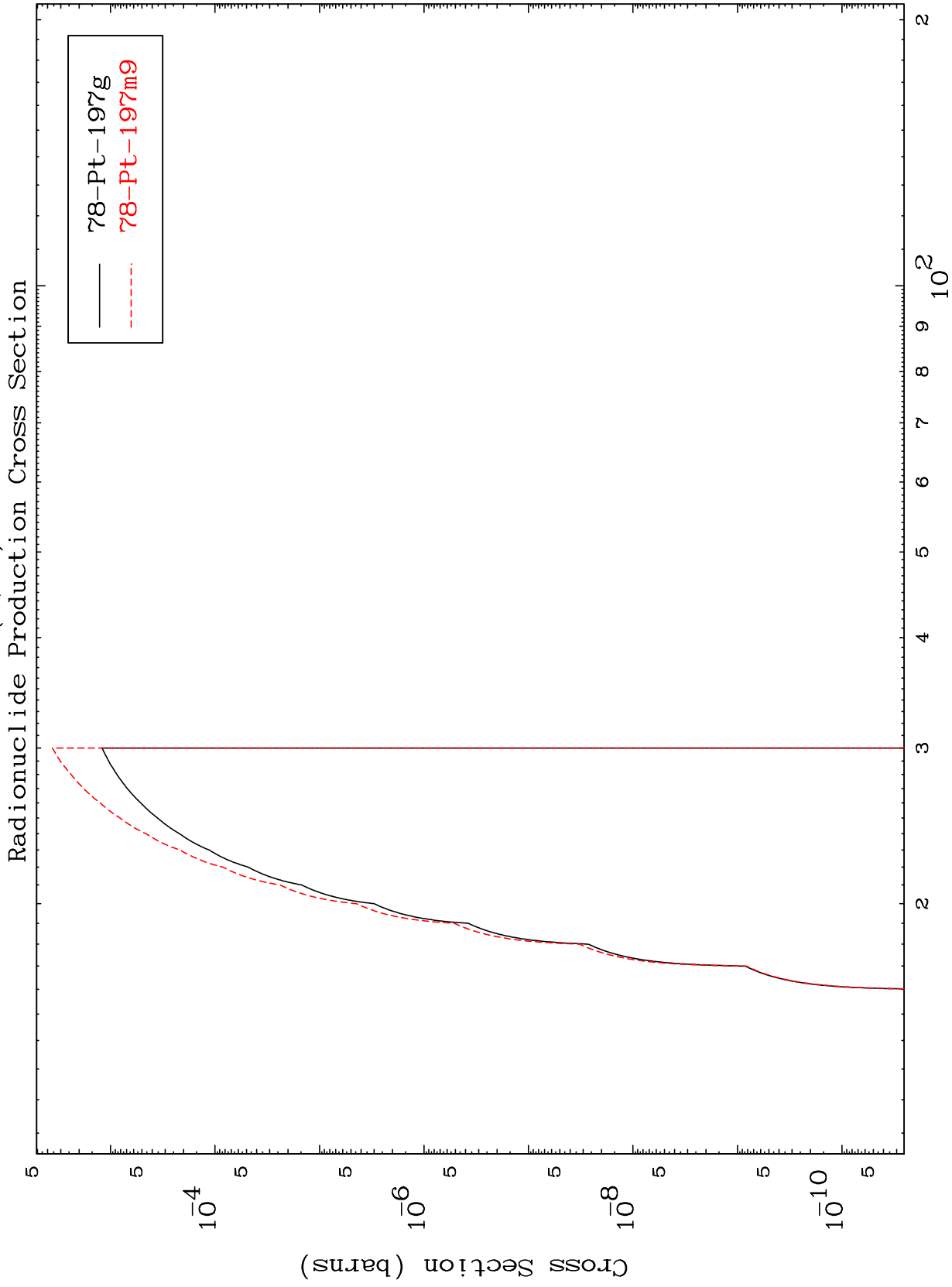
Incident Energy (MeV)

79-Au-200

MAT 7935

(n,n') t

79-Au-200



27

79-Au-200

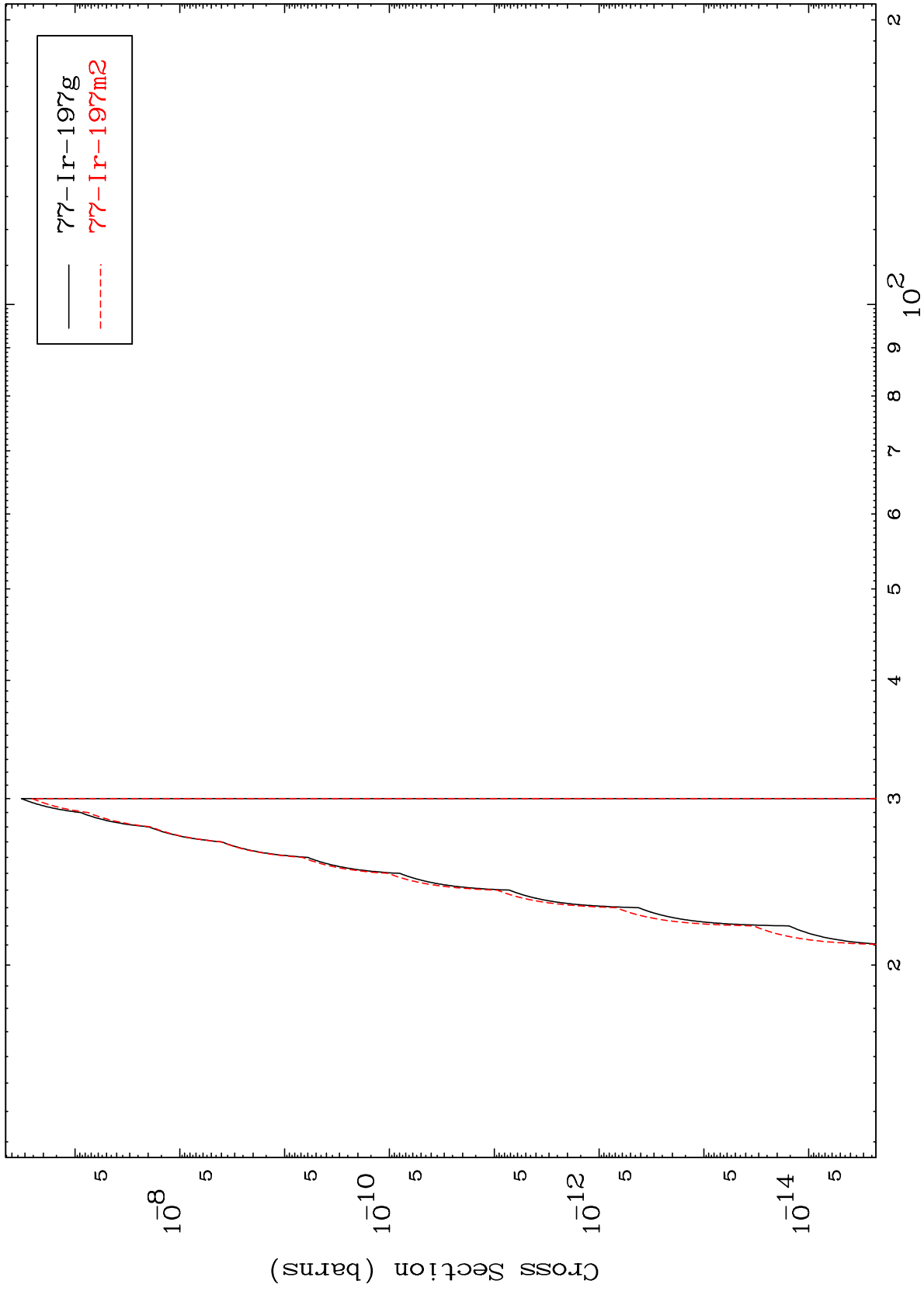
79-Au-200

MAT 7935

(n, n') He-3

79-Au-200

Radionuclide Production Cross Section



28

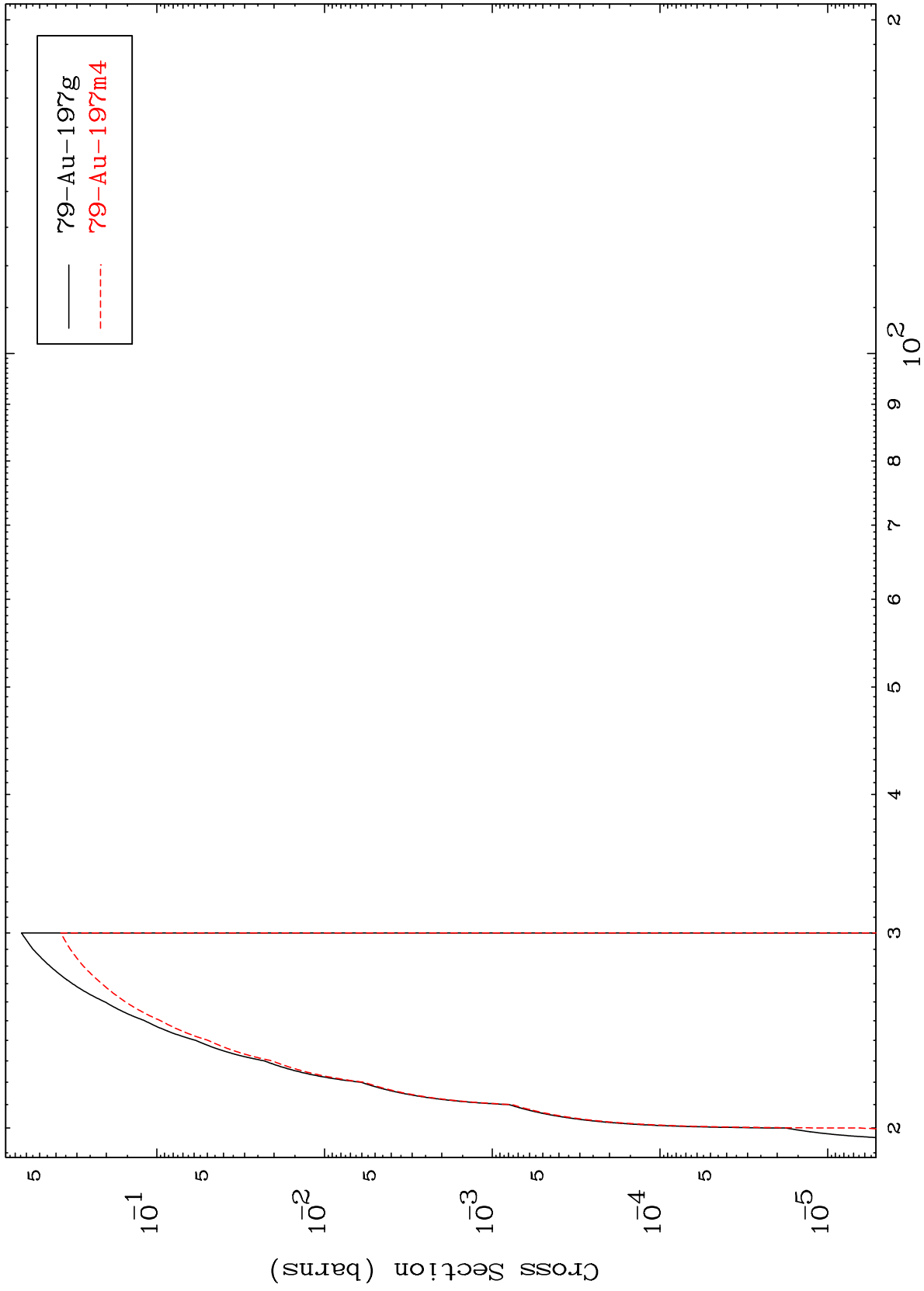
Incident Energy (MeV)

79-Au-200

MAT 7935

79-Au-200

(n,4n)
Radionuclide Production Cross Section



29

Incident Energy (MeV)

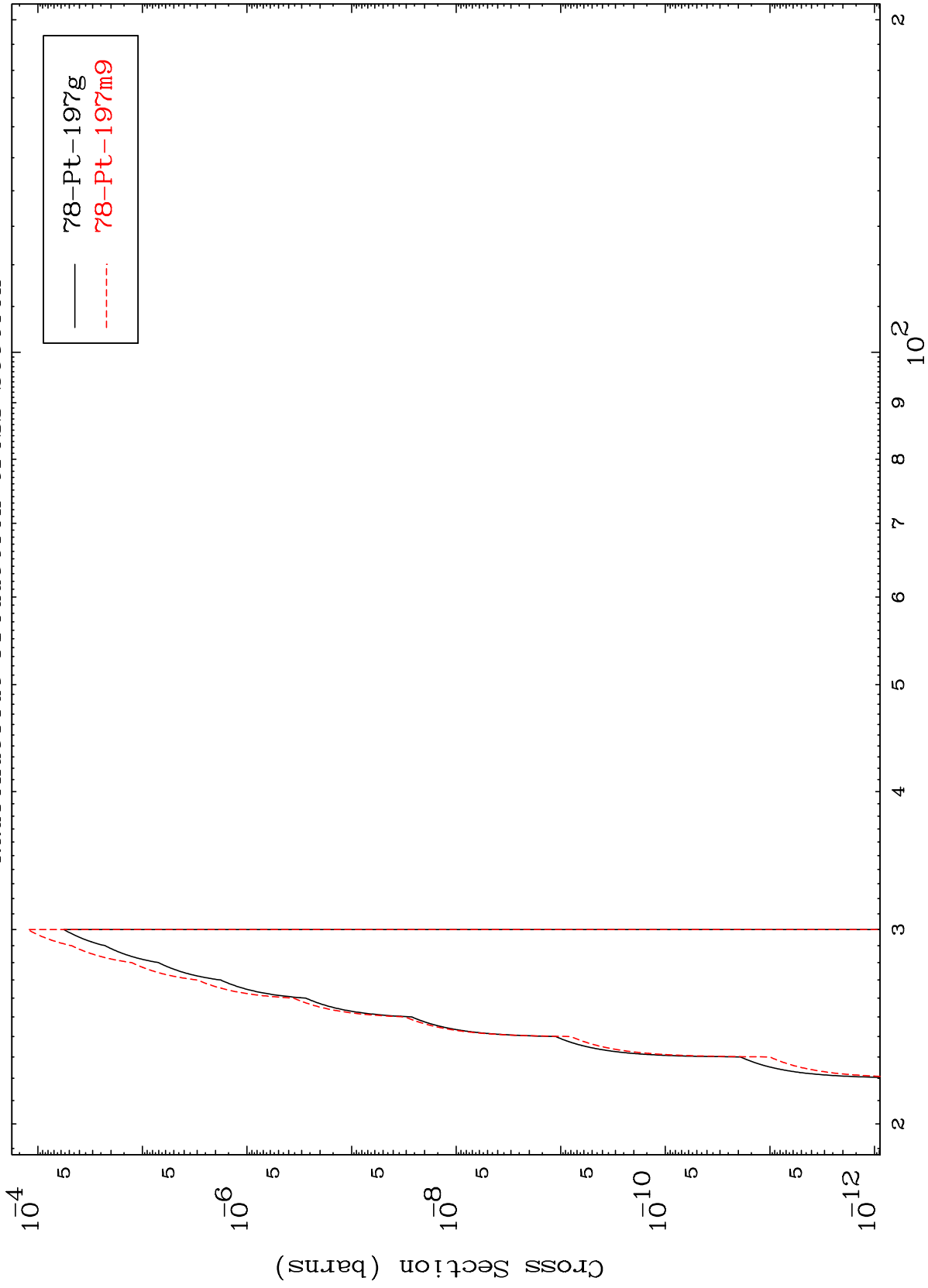
79-Au-200

MAT 7935

(n,3n) p

79-Au-200

Radionuclide Production Cross Section



30

Incident Energy (MeV)

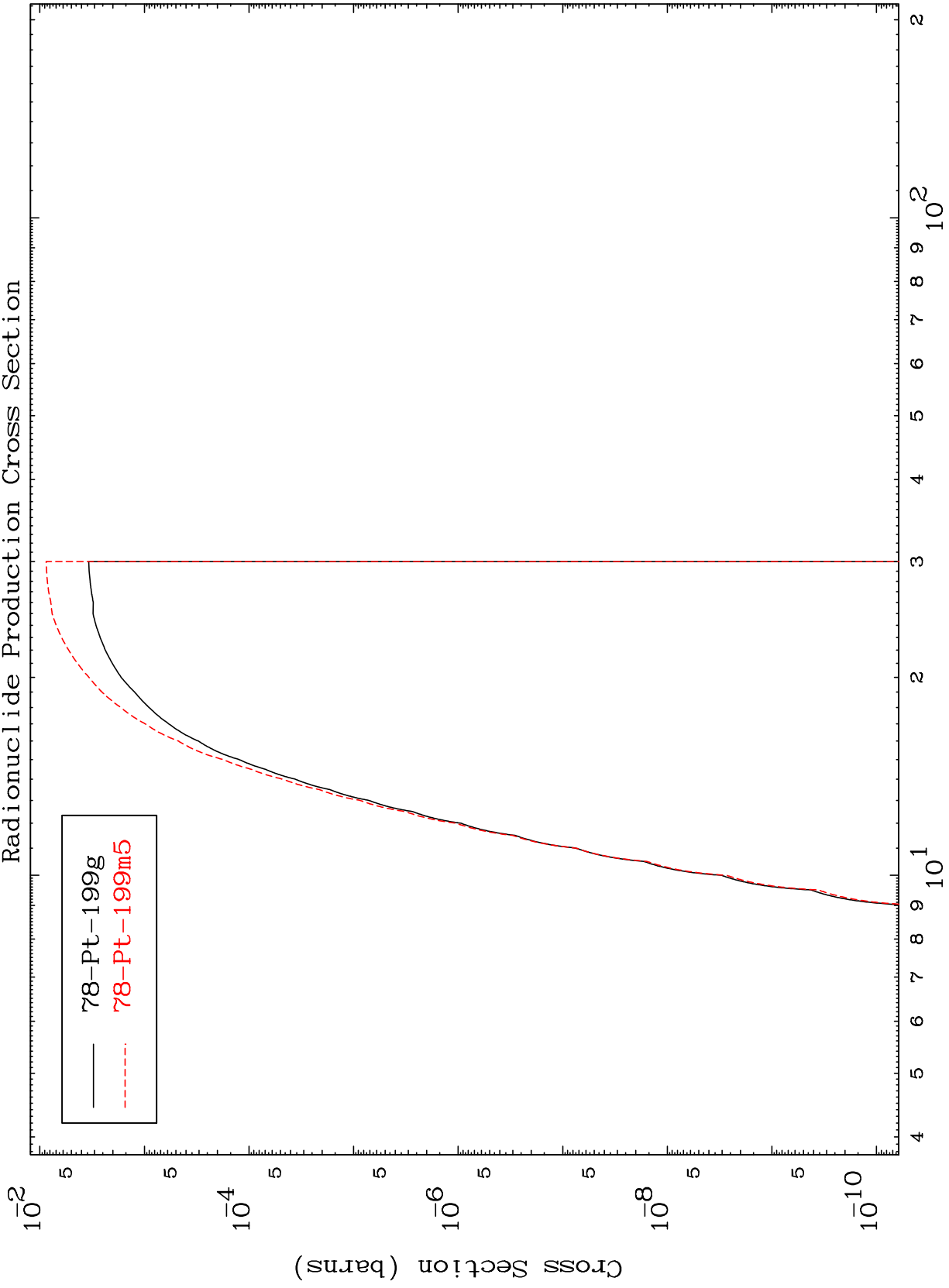
79-Au-200

MAT 7935

(n,d)

⁷⁹Au-200

Radionuclide Production Cross Section



78-Pt-199g
78-Pt-199m5

31

Incident Energy (MeV)

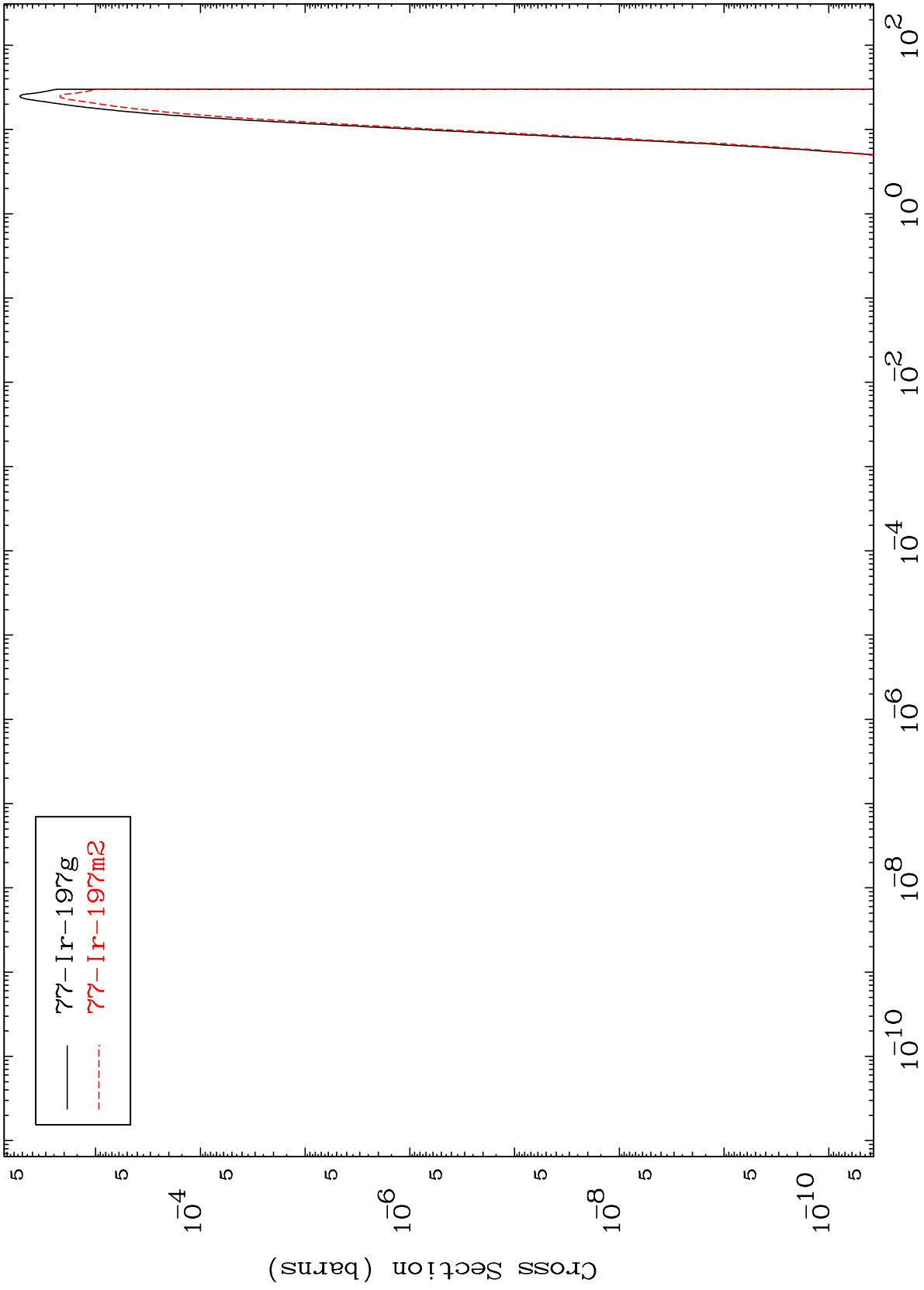
⁷⁹Au-200

MAT 7935

(n, α)

⁷⁹Au-200

Radionuclide Production Cross Section



32

Incident Energy (MeV)

⁷⁹Au-200