

Program EVALPLOT
(Version 2015-2)

by

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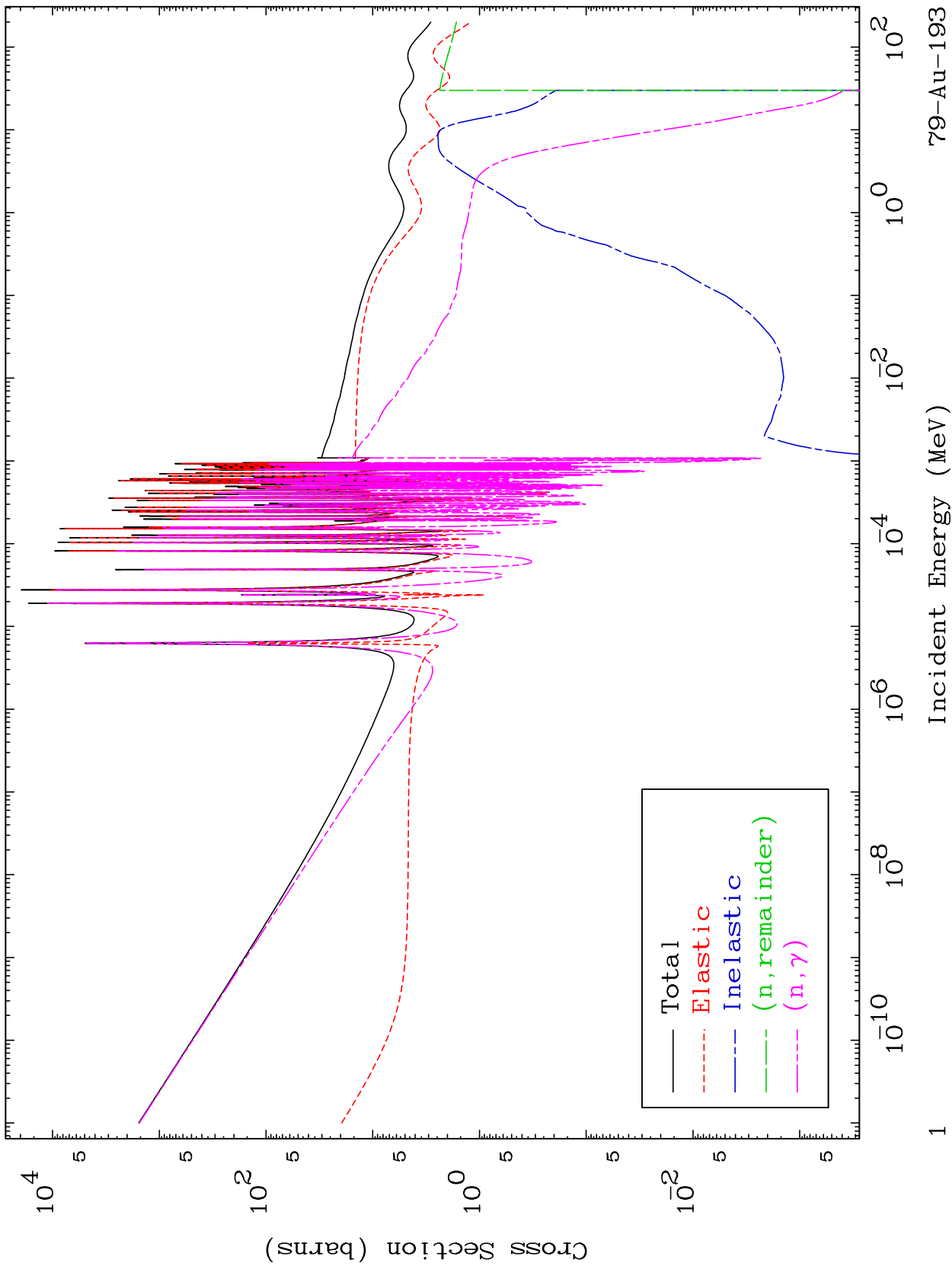
Press Mouse Button to Start

MAT 7914

Major

293 Kelvin Cross Sections

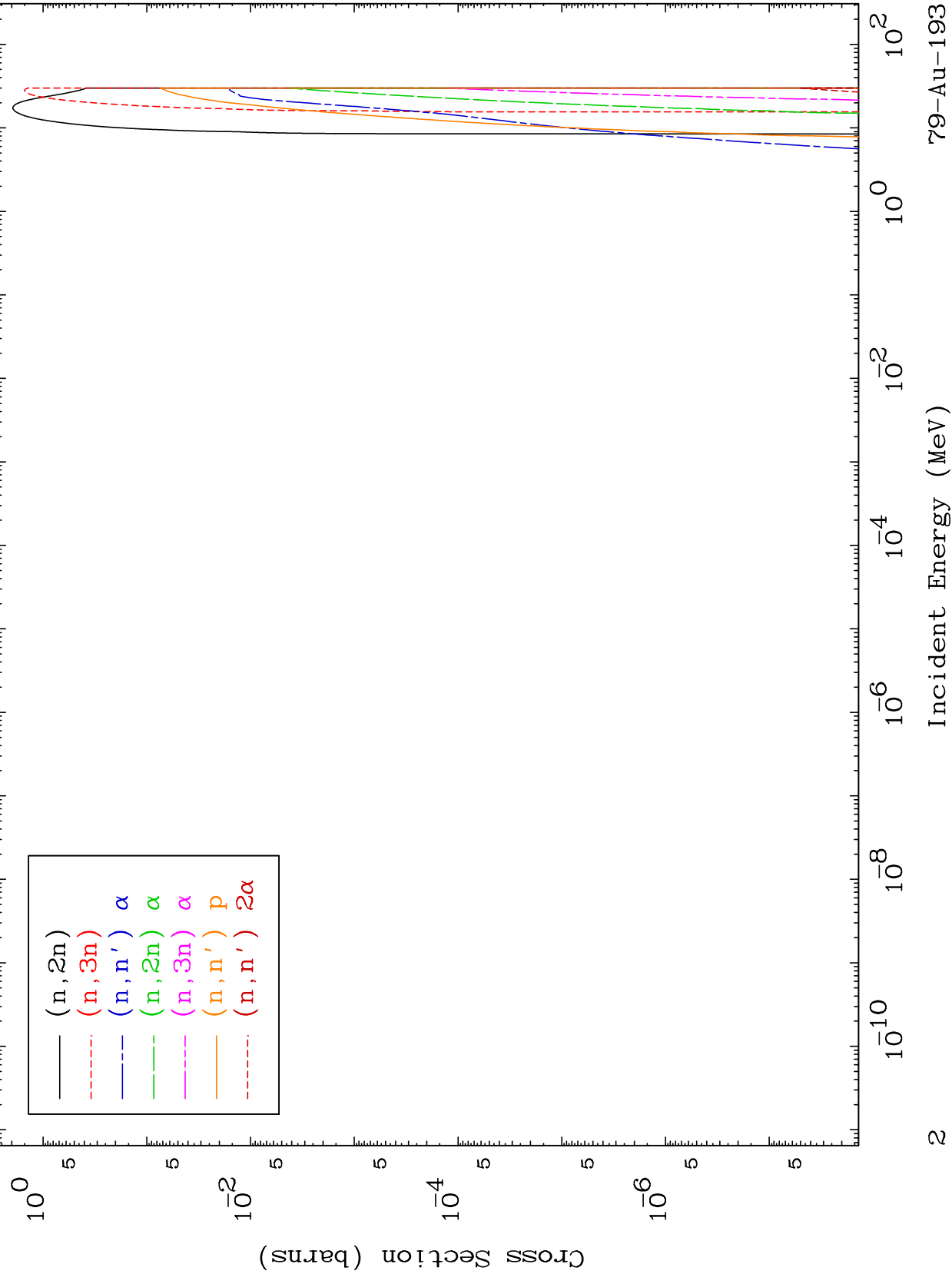
79-Au-193

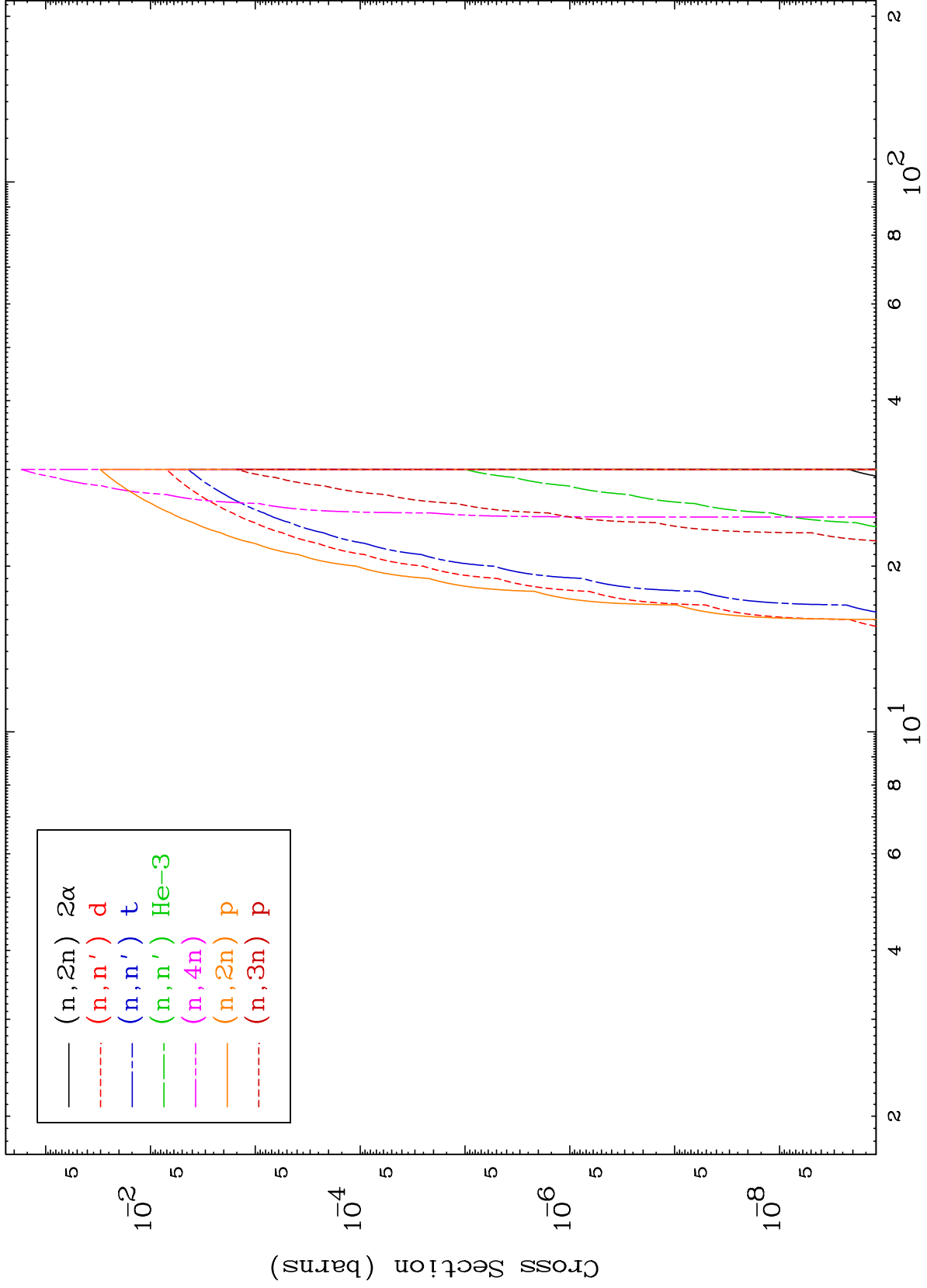


MAT 7914

Neutron Production
293 Kelvin Cross Sections

79-Au-193

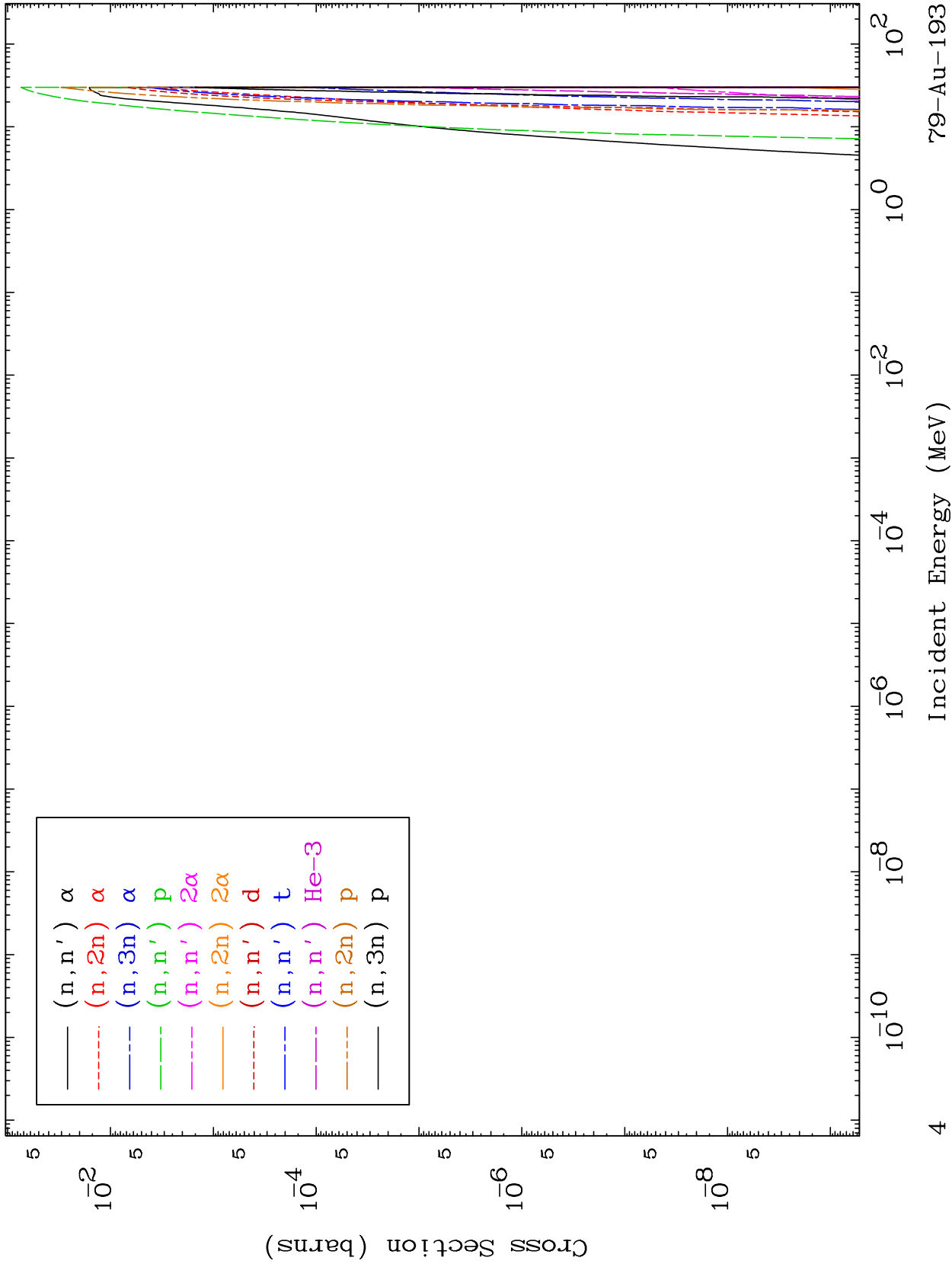




MAT 7914

Charged Particle
293 Kelvin Cross Sections

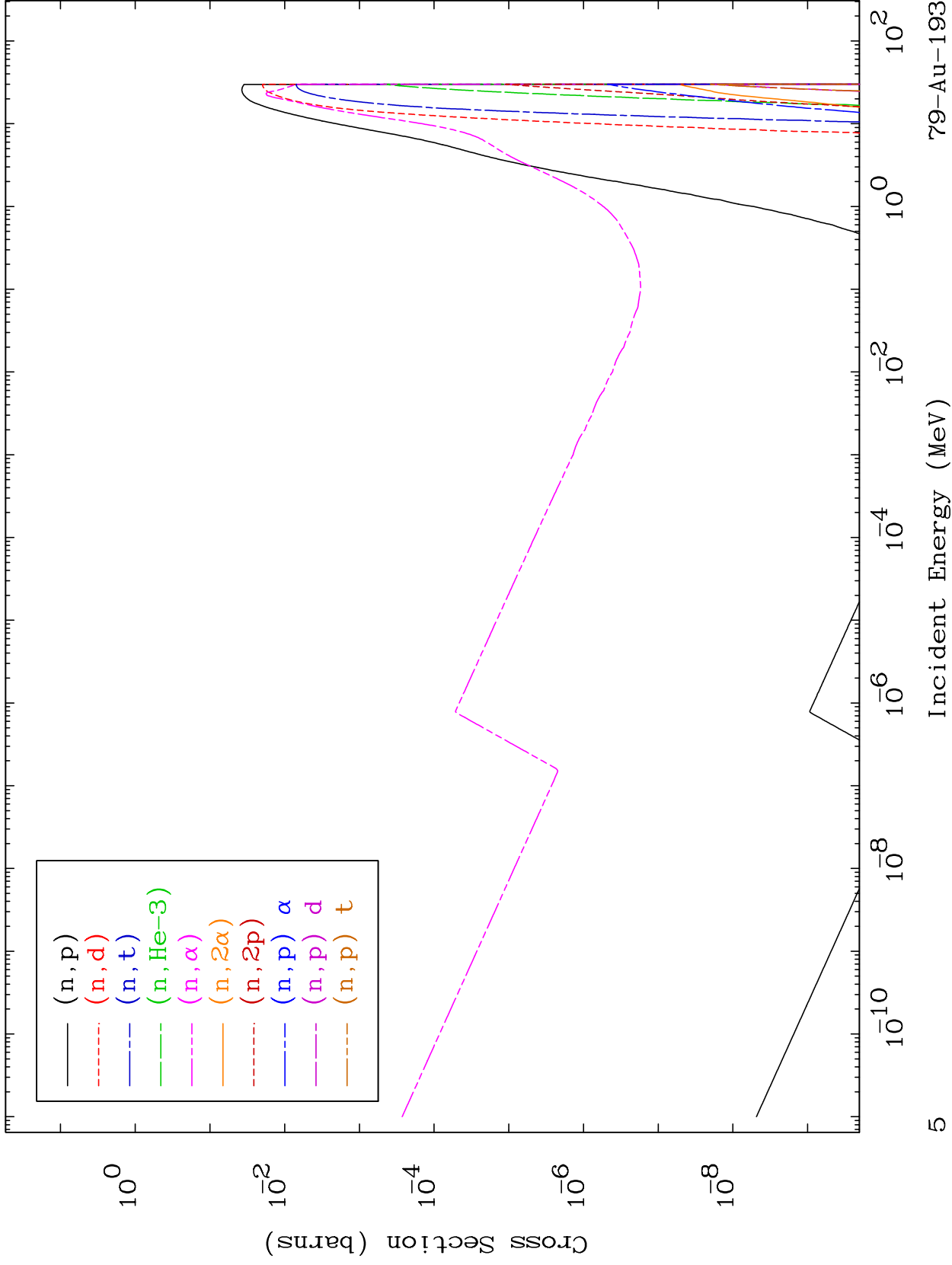
79-Au-193

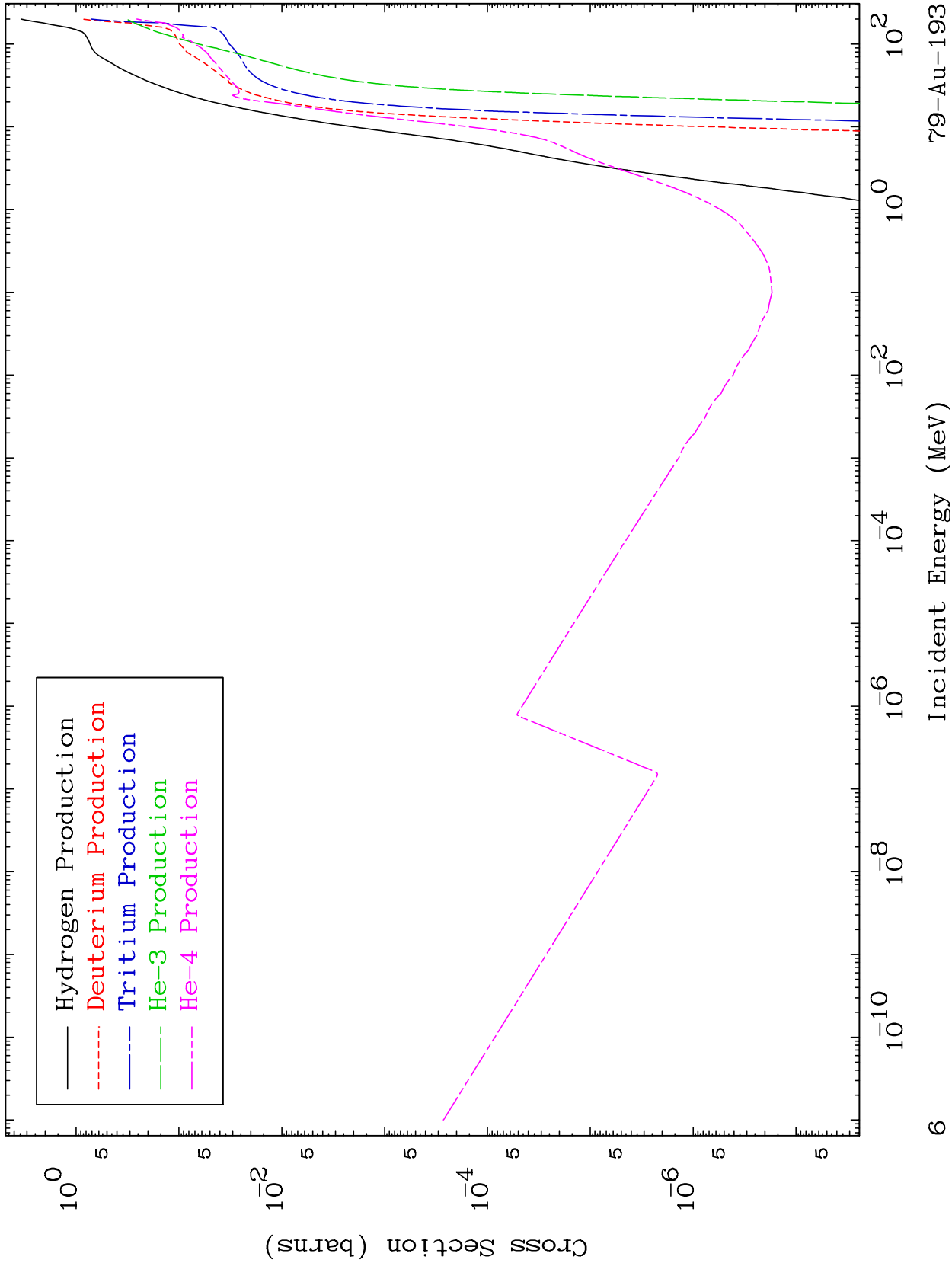


MAT 7914

Charged Particle
293 Kelvin Cross Sections

79-Au-193

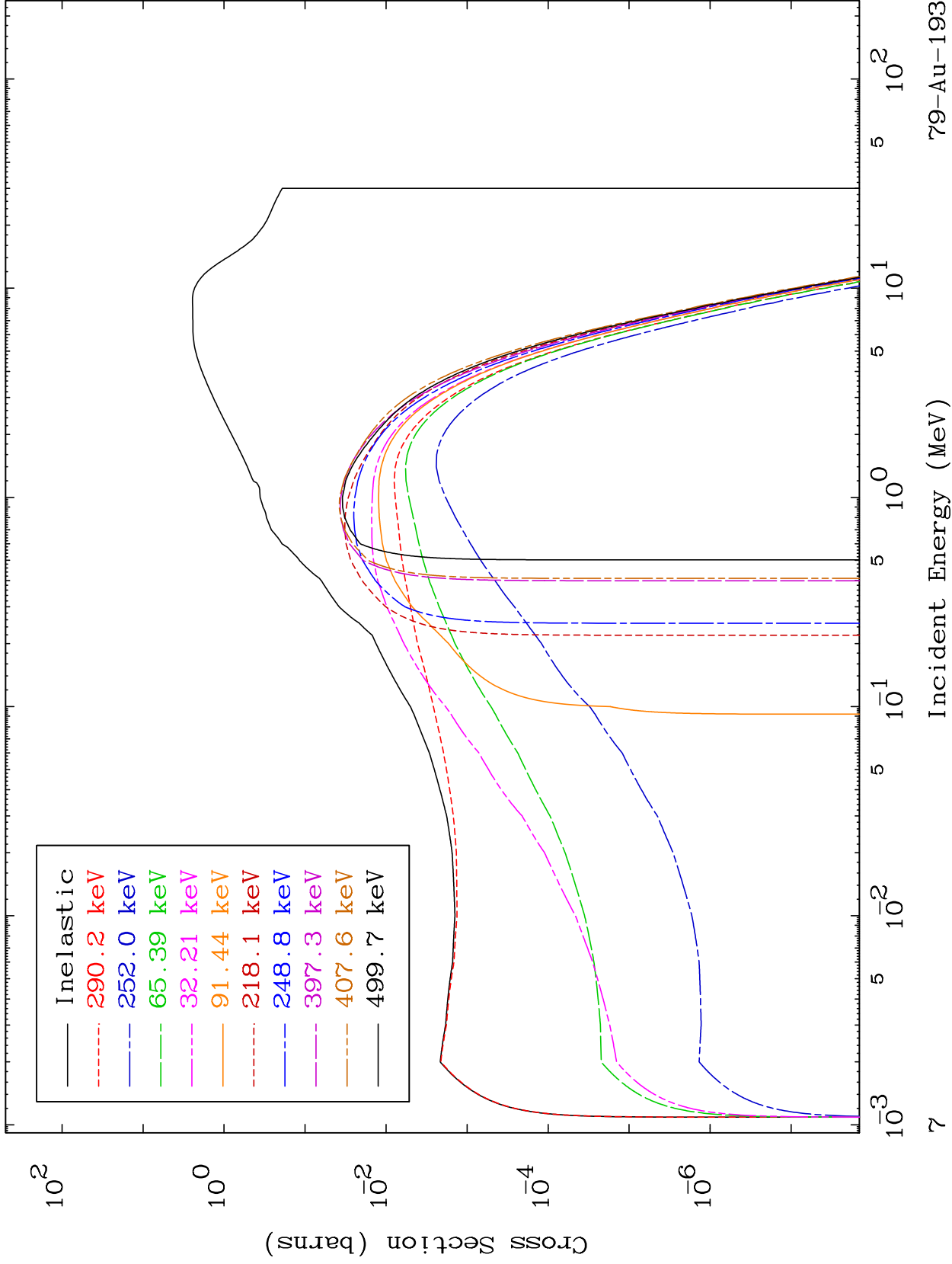




MAT 7914

(n,n') Level
293 Kelvin Cross Sections

79-Au-193

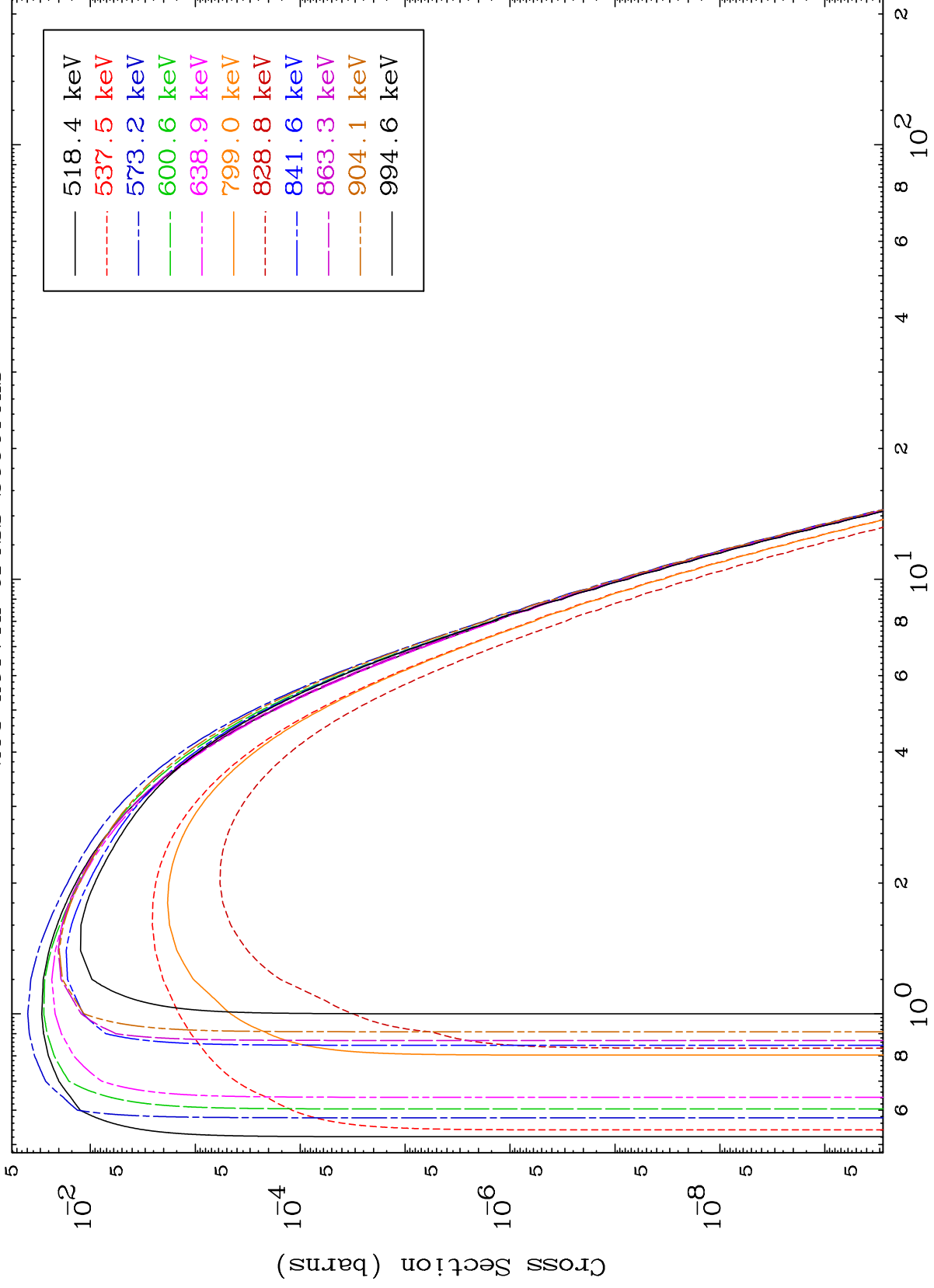


MAT 7914

(n,n') Level

79-Au-193

293 Kelvin Cross Sections



8

Incident Energy (MeV)

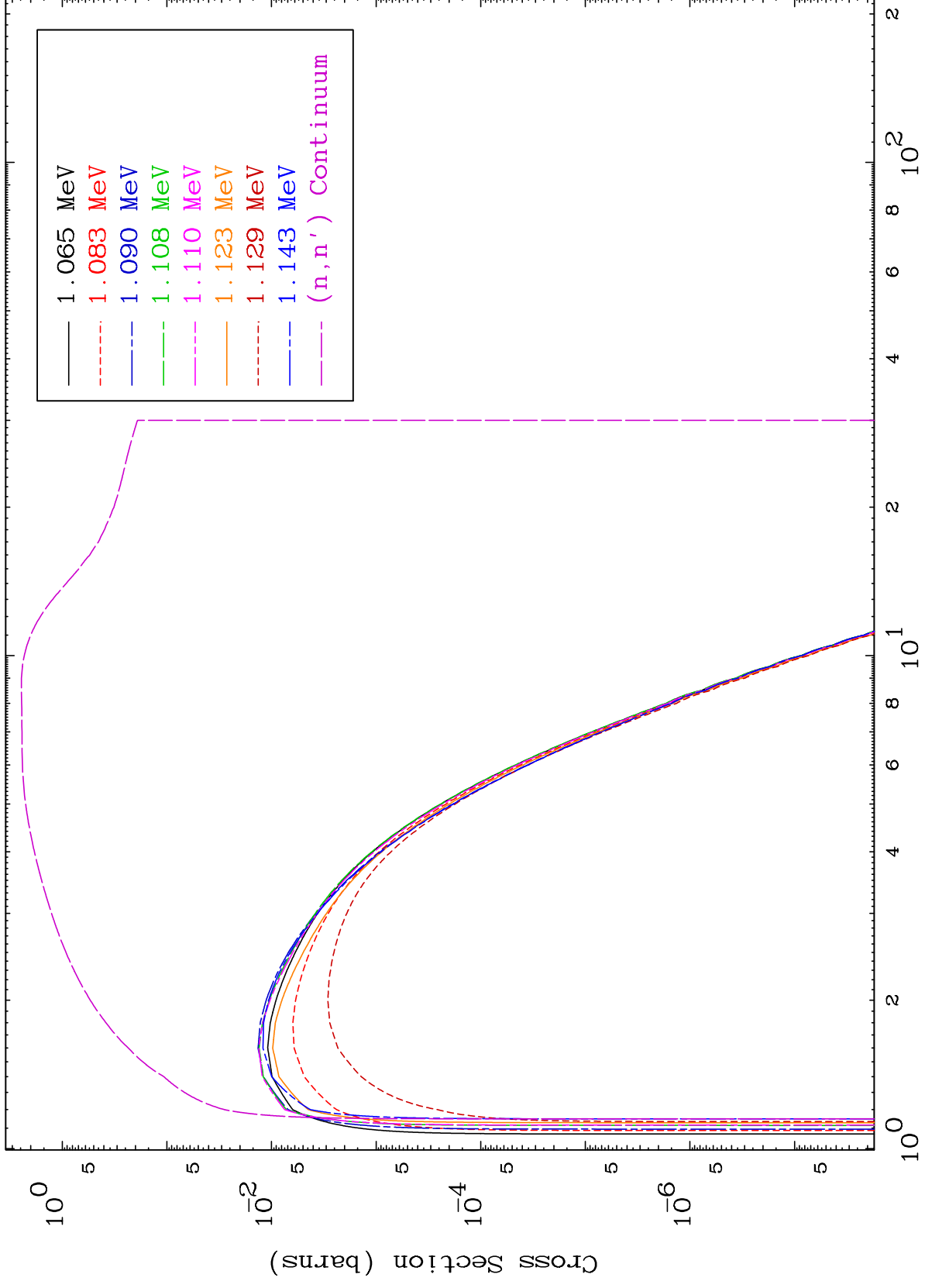
79-Au-193

MAT 7914

(n,n') Level

79-Au-193

293 Kelvin Cross Sections



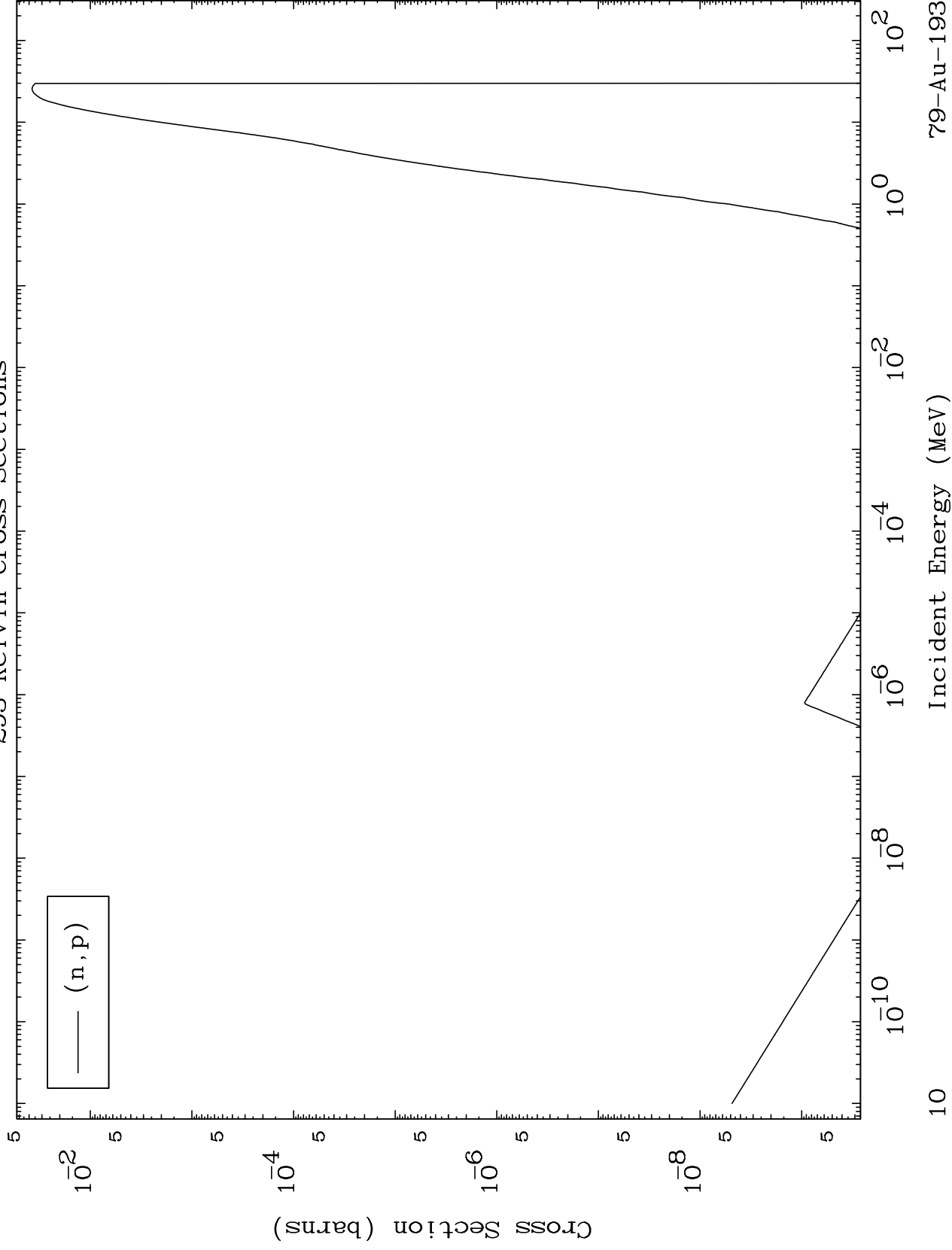
Incident Energy (MeV)

79-Au-193

MAT 7914

(n,p) Levels
293 Kelvin Cross Sections

79-Au-193



10

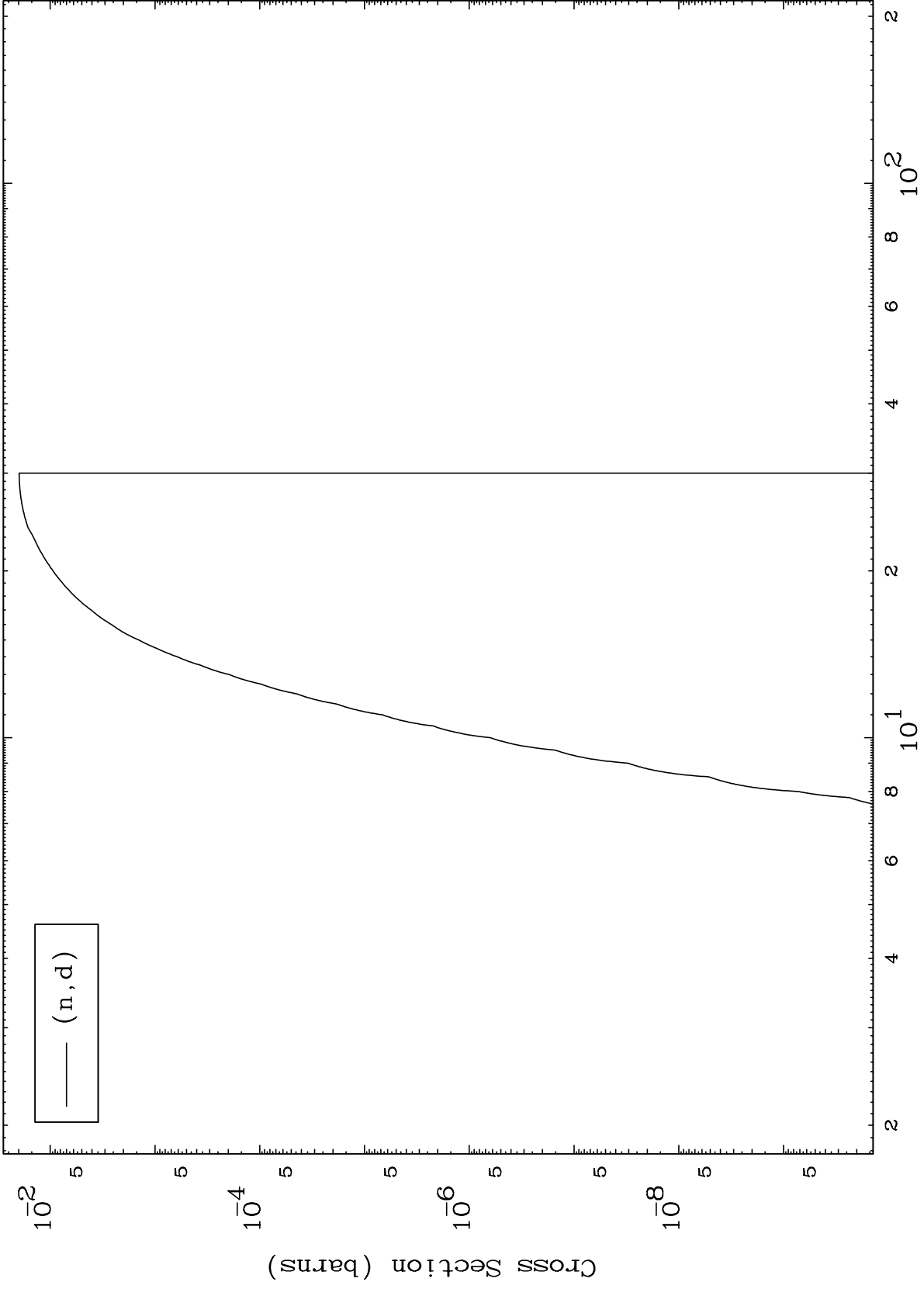
Incident Energy (MeV)

79-Au-193

MAT 7914

(n,d) Levels
293 Kelvin Cross Sections

79-Au-193



11

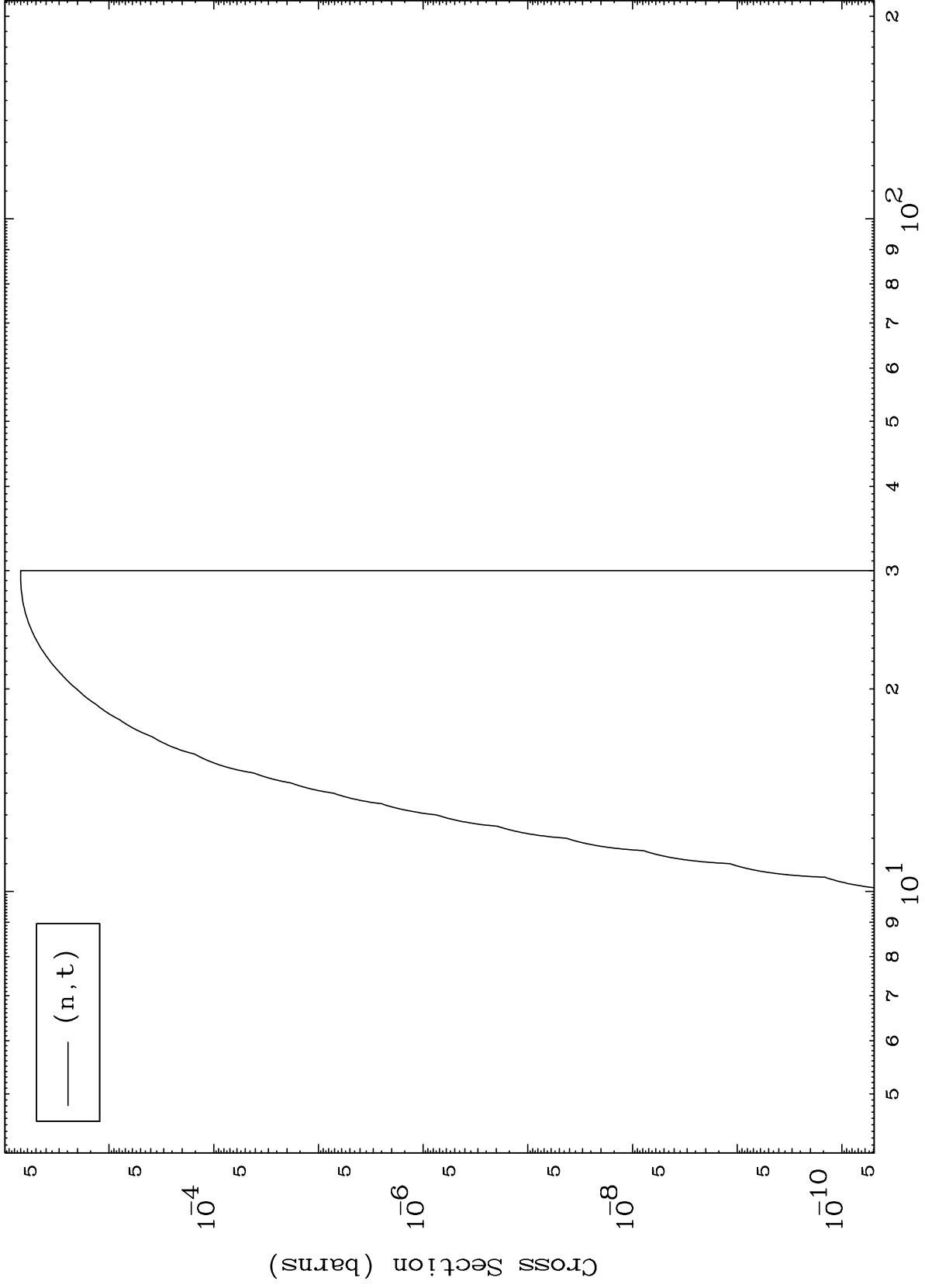
Incident Energy (MeV)

79-Au-193

MAT 7914

(n,t) Levels
293 Kelvin Cross Sections

79-Au-193



12

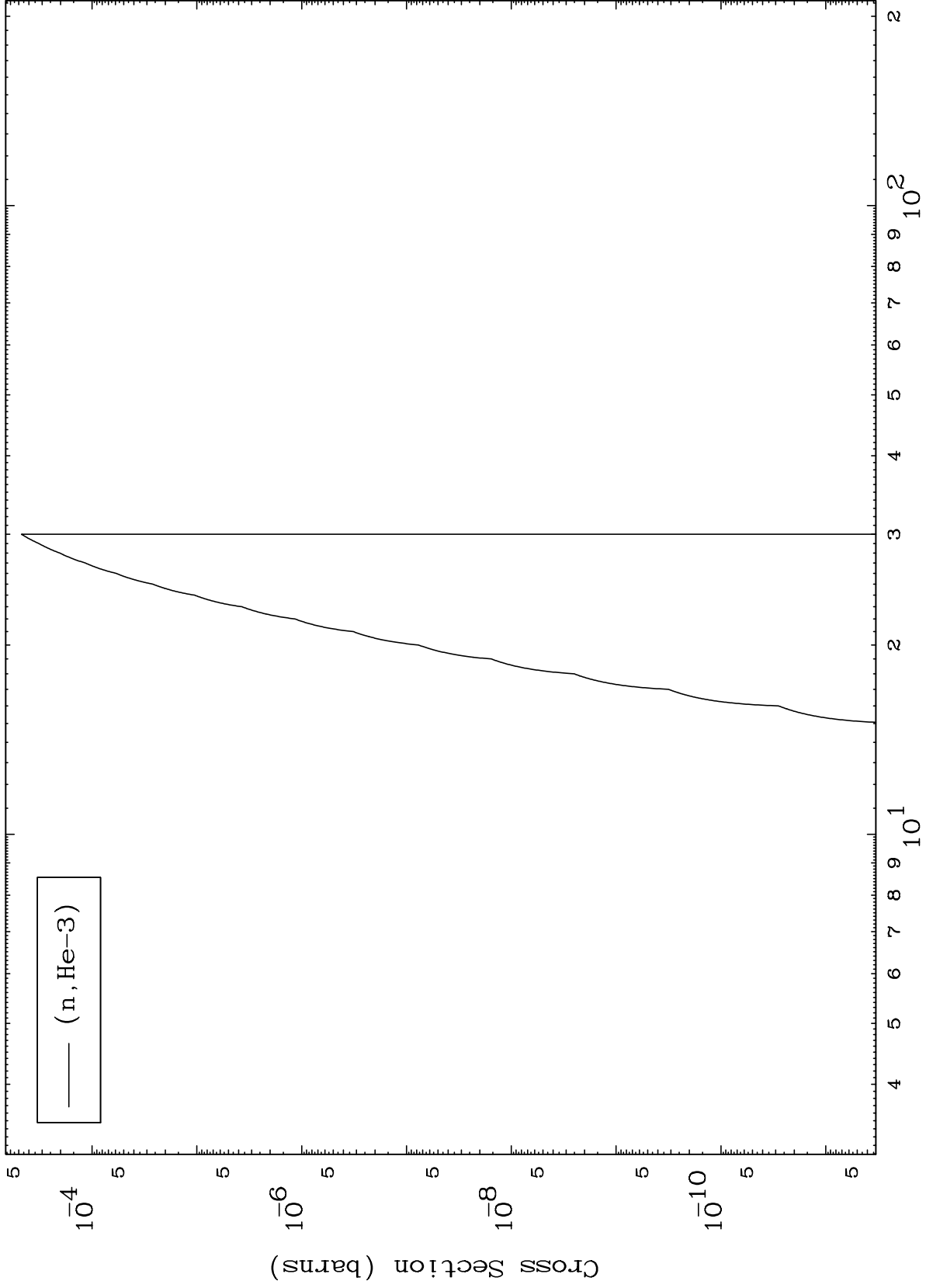
Incident Energy (MeV)

79-Au-193

MAT 7914

(n,He3) Levels
293 Kelvin Cross Sections

79-Au-193



13

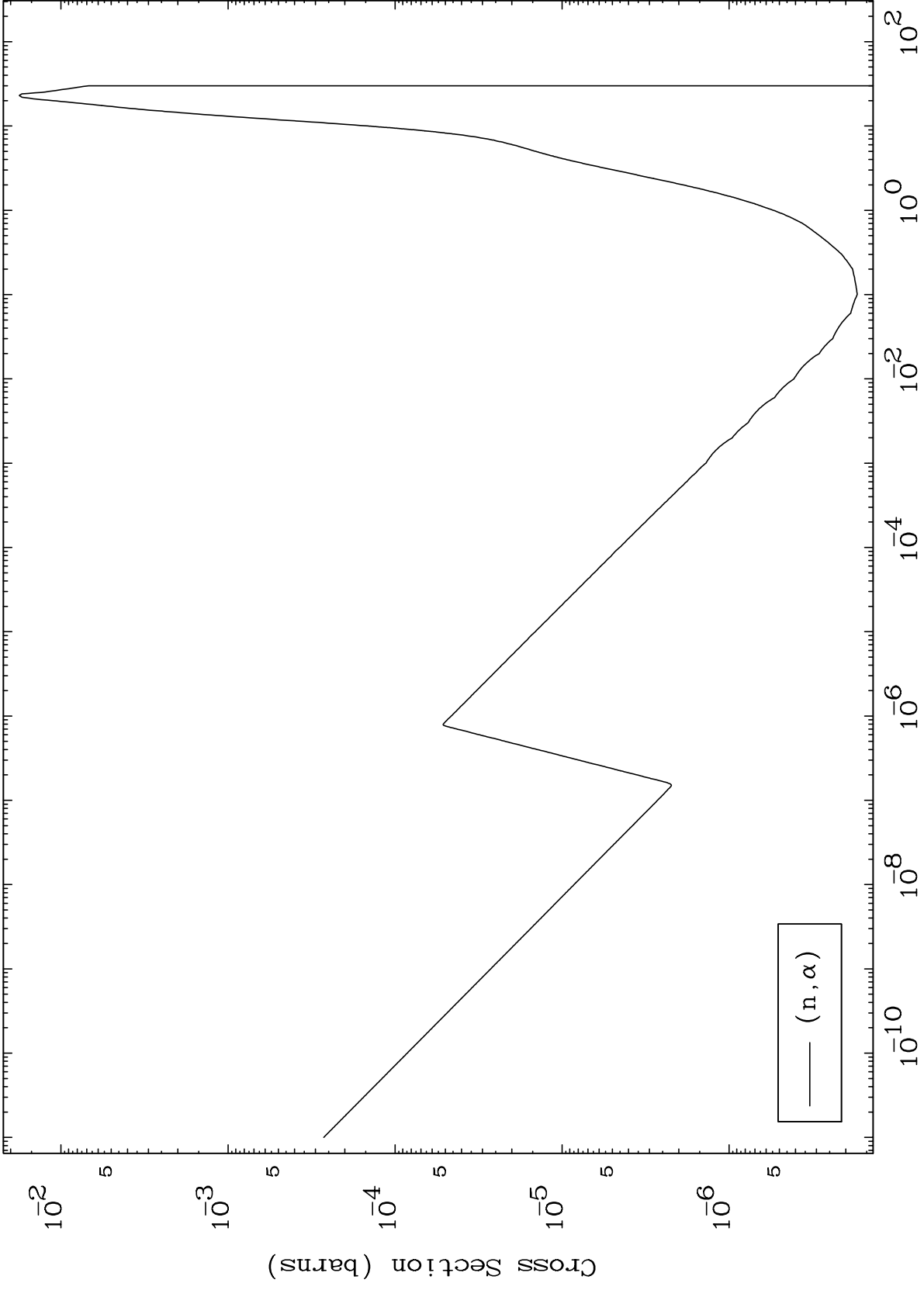
Incident Energy (MeV)

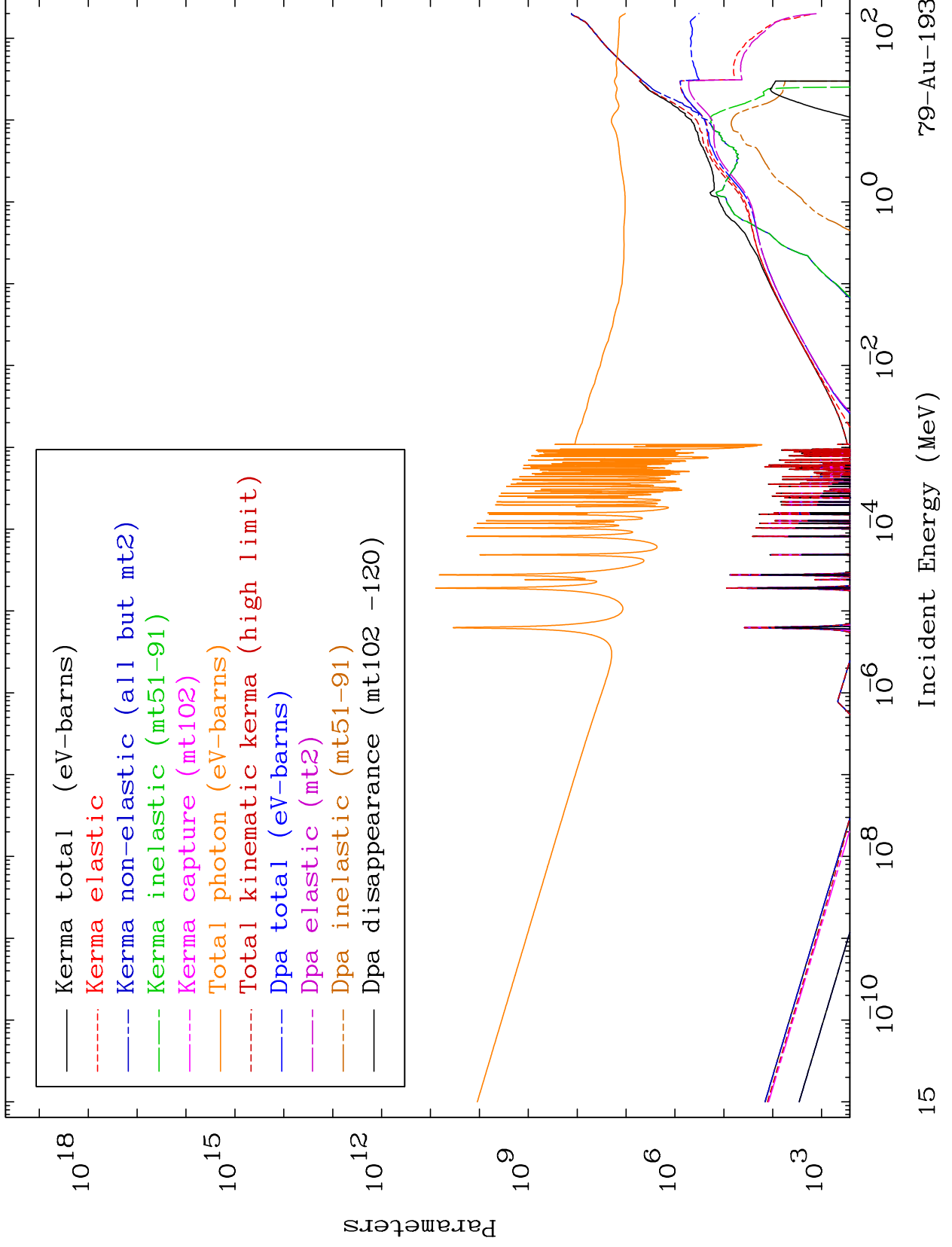
79-Au-193

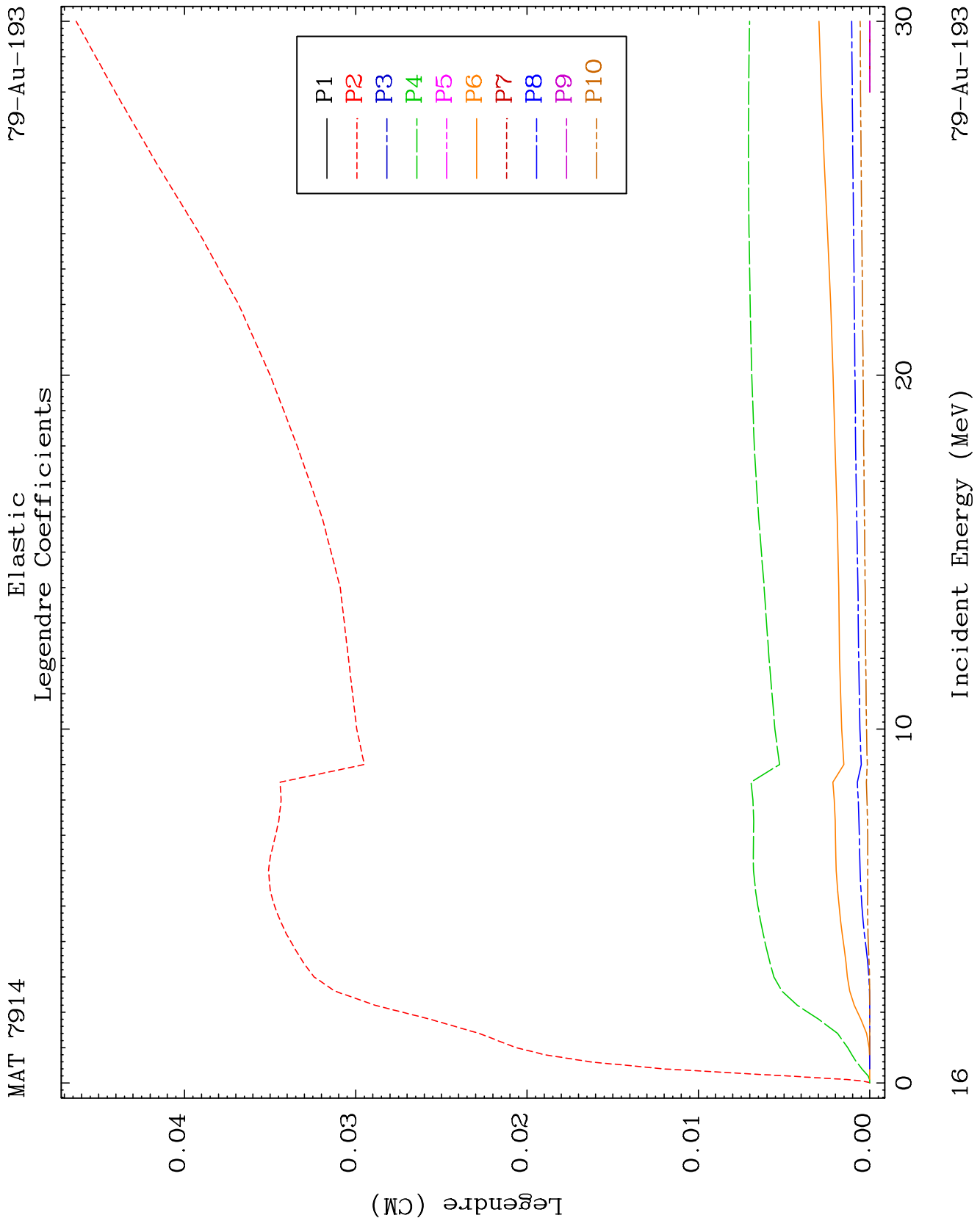
MAT 7914

(n, α) Levels
293 Kelvin Cross Sections

79-Au-193







MAT 7914

Elastic Legendre Coefficients

79-Au-193

16

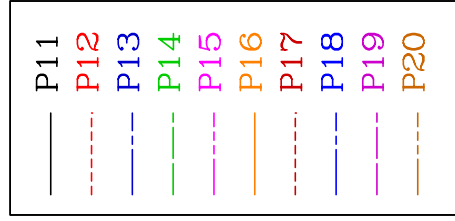
Incident Energy (MeV)

79-Au-193

MAT 7914

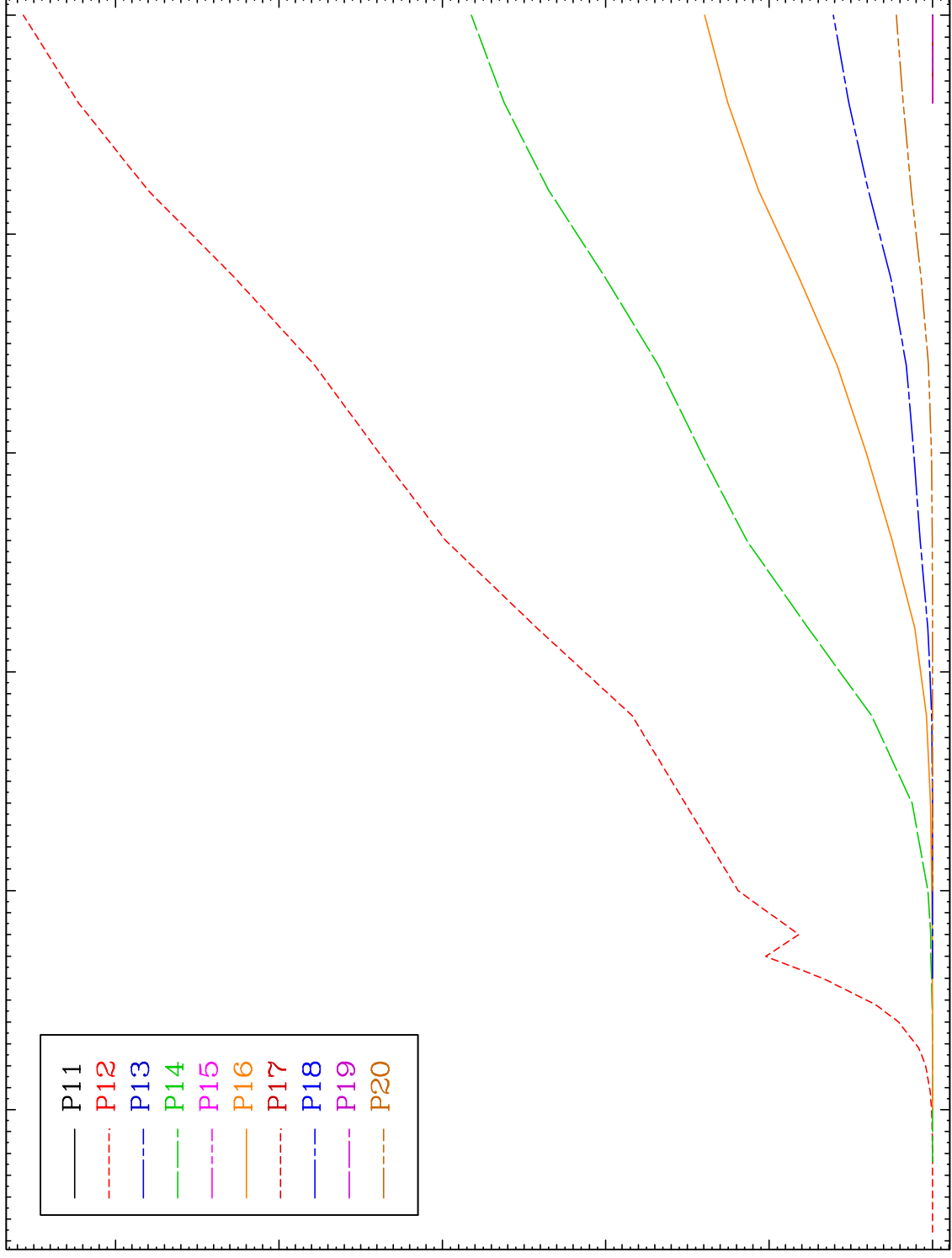
Elastic Legendre Coefficients

79-Au-193



$\times 10^{-4}$

Legendre (CM)



17

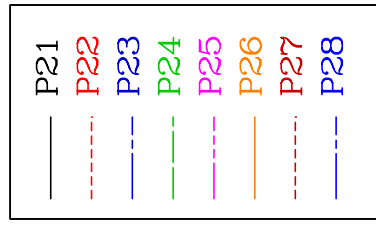
Incident Energy (MeV)

79-Au-193

MAT 7914

Elastic
Legendre Coefficients

79-Au-193



$\times 10^{-6}$

Legendre (CM)

1.5

1.0

0.5

0.0

15

20

25

30

18

Incident Energy (MeV)

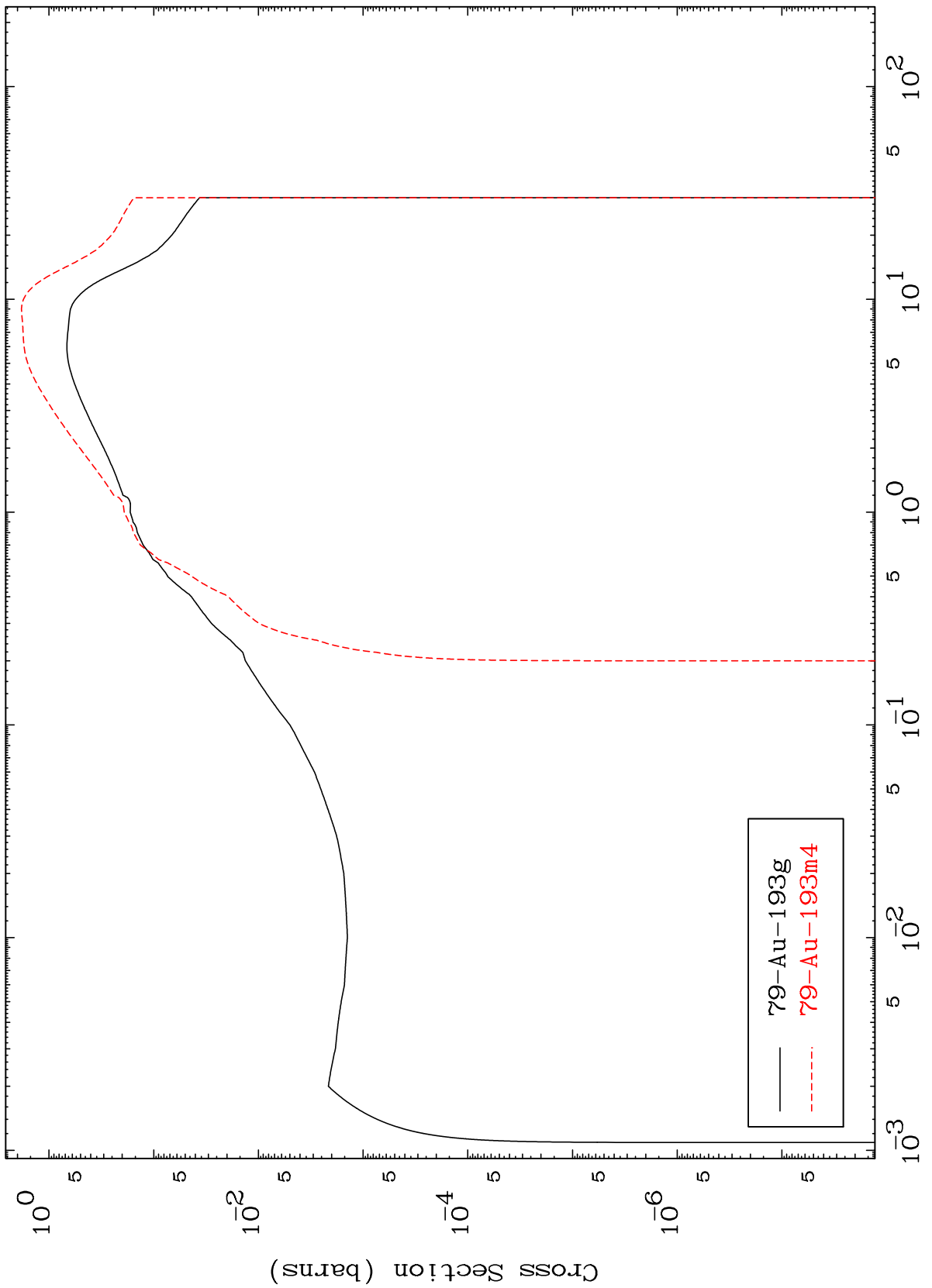
79-Au-193



MAT 7914

79-Au-193

Inelastic
Radionuclide Production Cross Section



— 79-Au-193g
- - - 79-Au-193m4

19

Incident Energy (MeV)

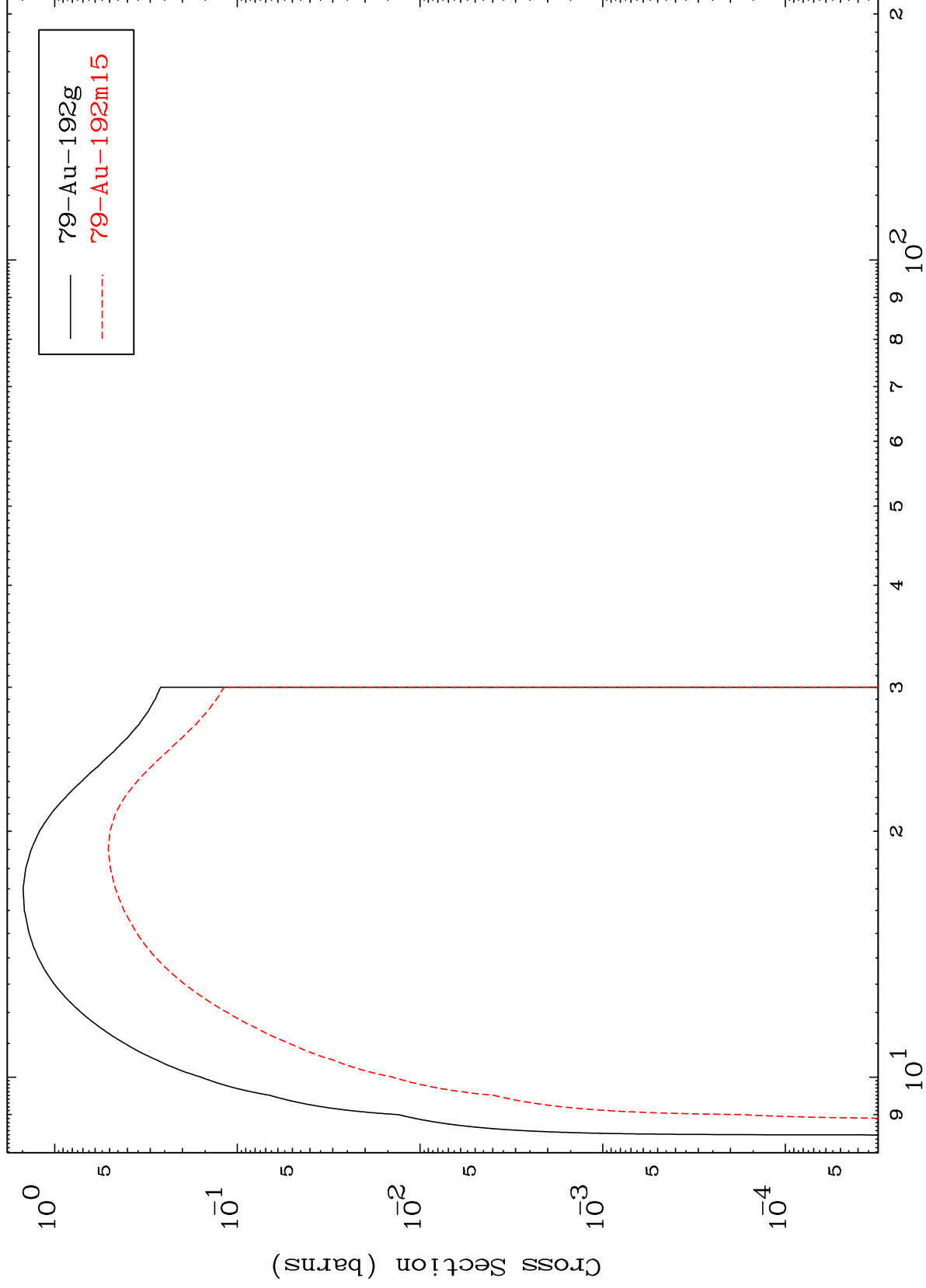
79-Au-193

MAT 7914

(n,2n)

79-Au-193

Radionuclide Production Cross Section



20

Incident Energy (MeV)

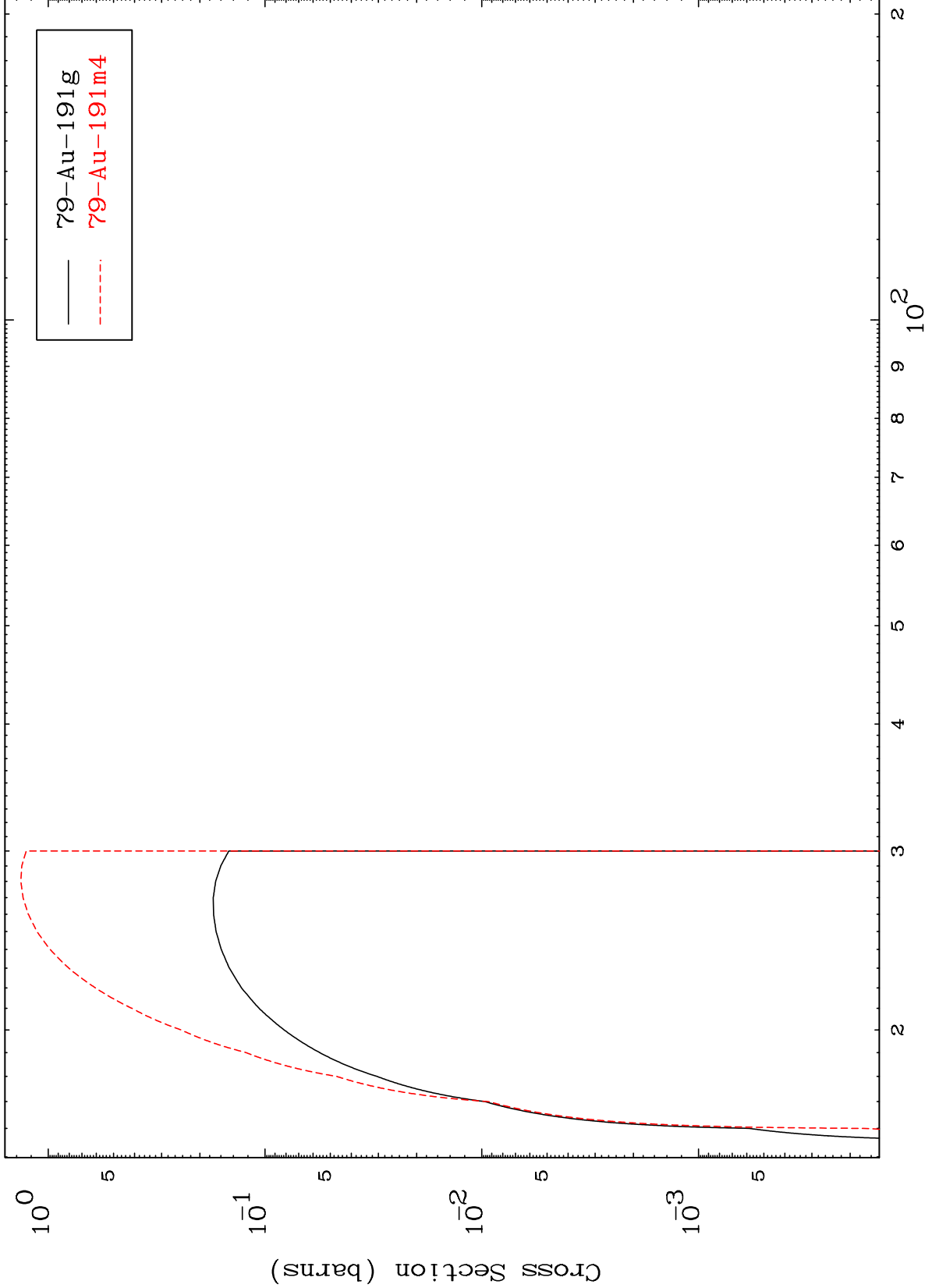
79-Au-193

MAT 7914

(n,3n)

79-Au-193

Radionuclide Production Cross Section



79-Au-191g
79-Au-191m4

21

Incident Energy (MeV)

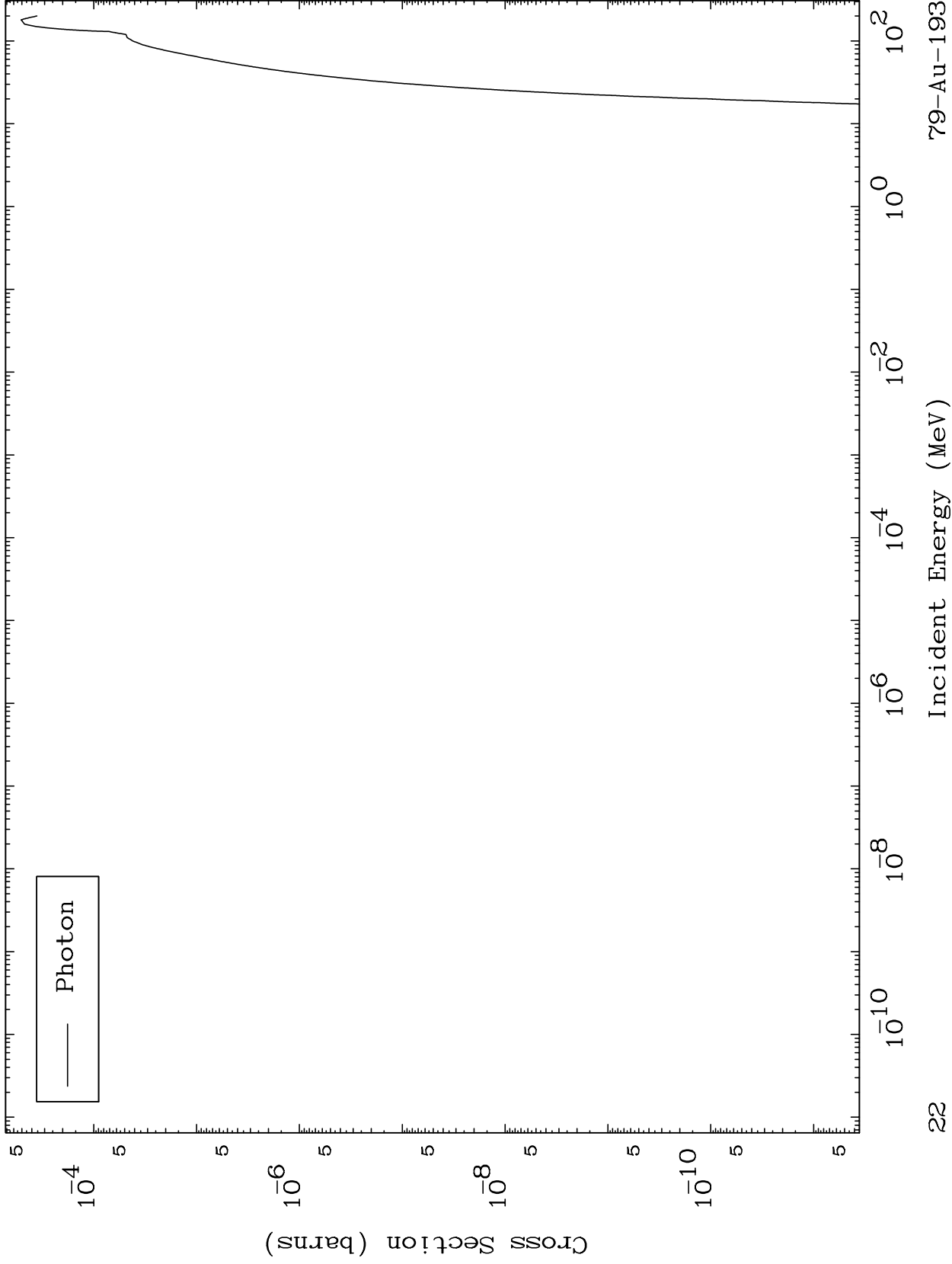
79-Au-193

MAT 7914

Fission

79-Au-193

Radionuclide Production Cross Section



22

Incident Energy (MeV)

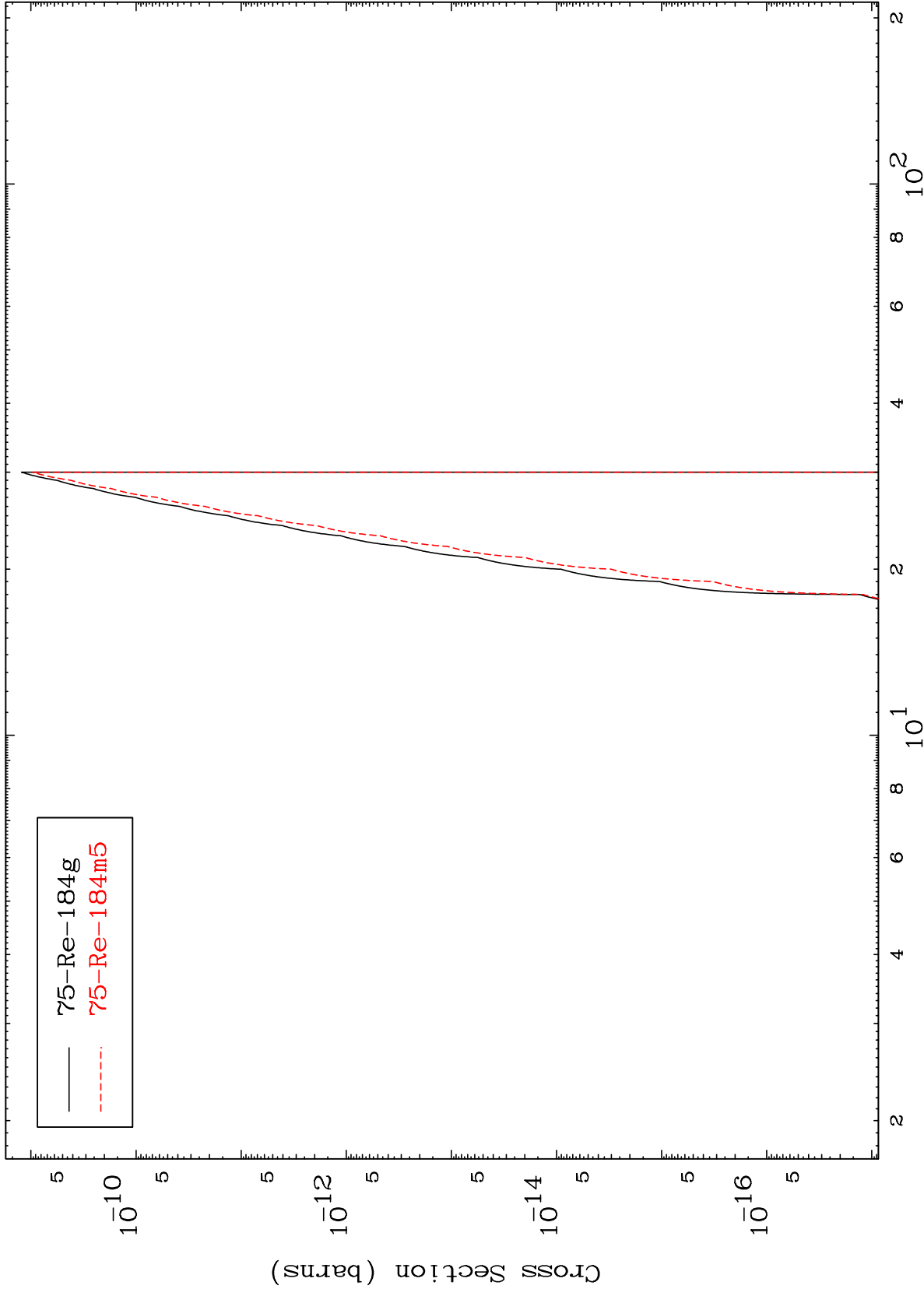
79-Au-193

MAT 7914

$^{79}\text{Au-193}$

$(n,2n) 2\alpha$

Radionuclide Production Cross Section



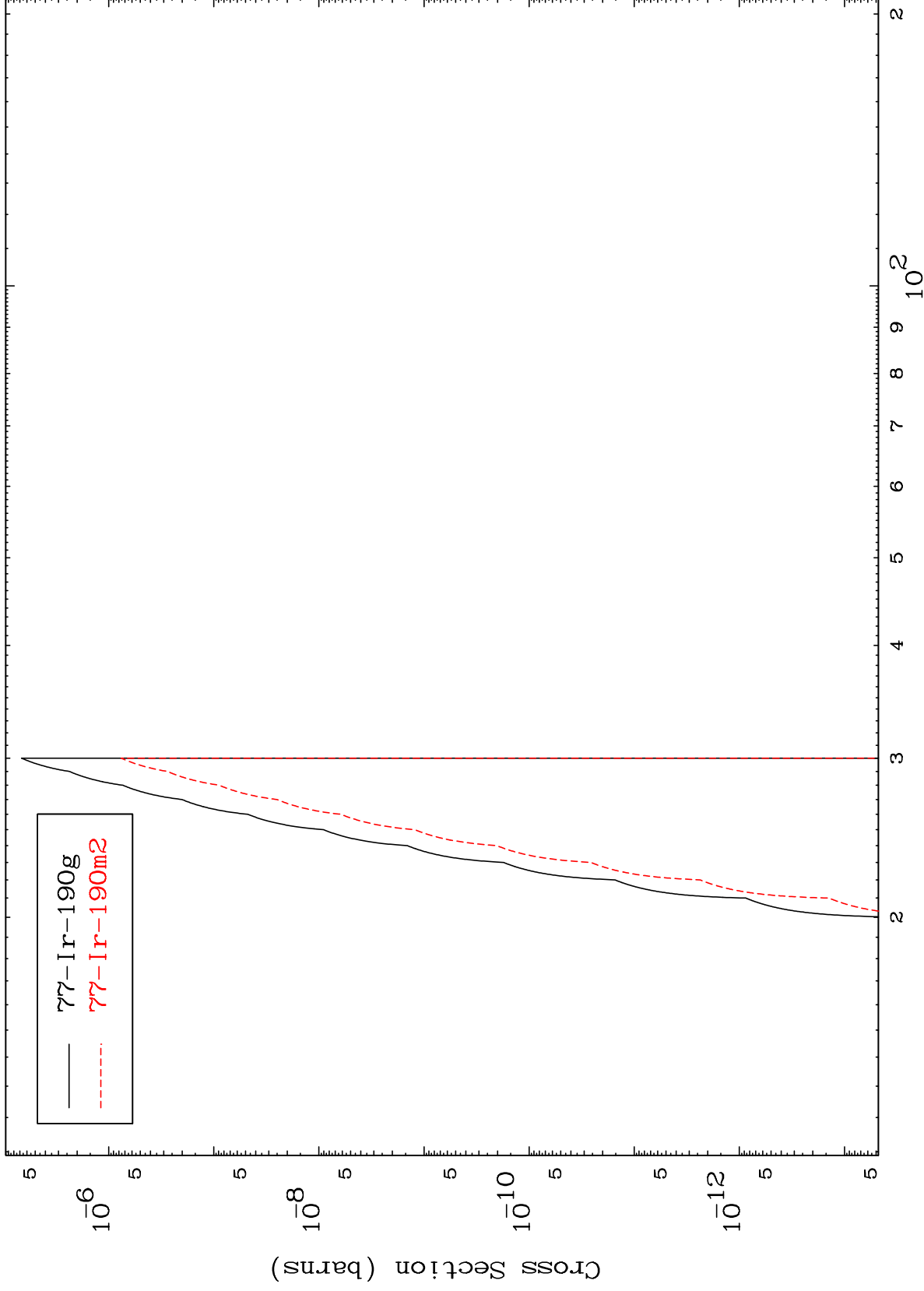
— $^{75}\text{Re-184g}$
- - - $^{75}\text{Re-184m5}$

MAT 7914

(n,n') He-3

79-Au-193

Radionuclide Production Cross Section



24

Incident Energy (MeV)

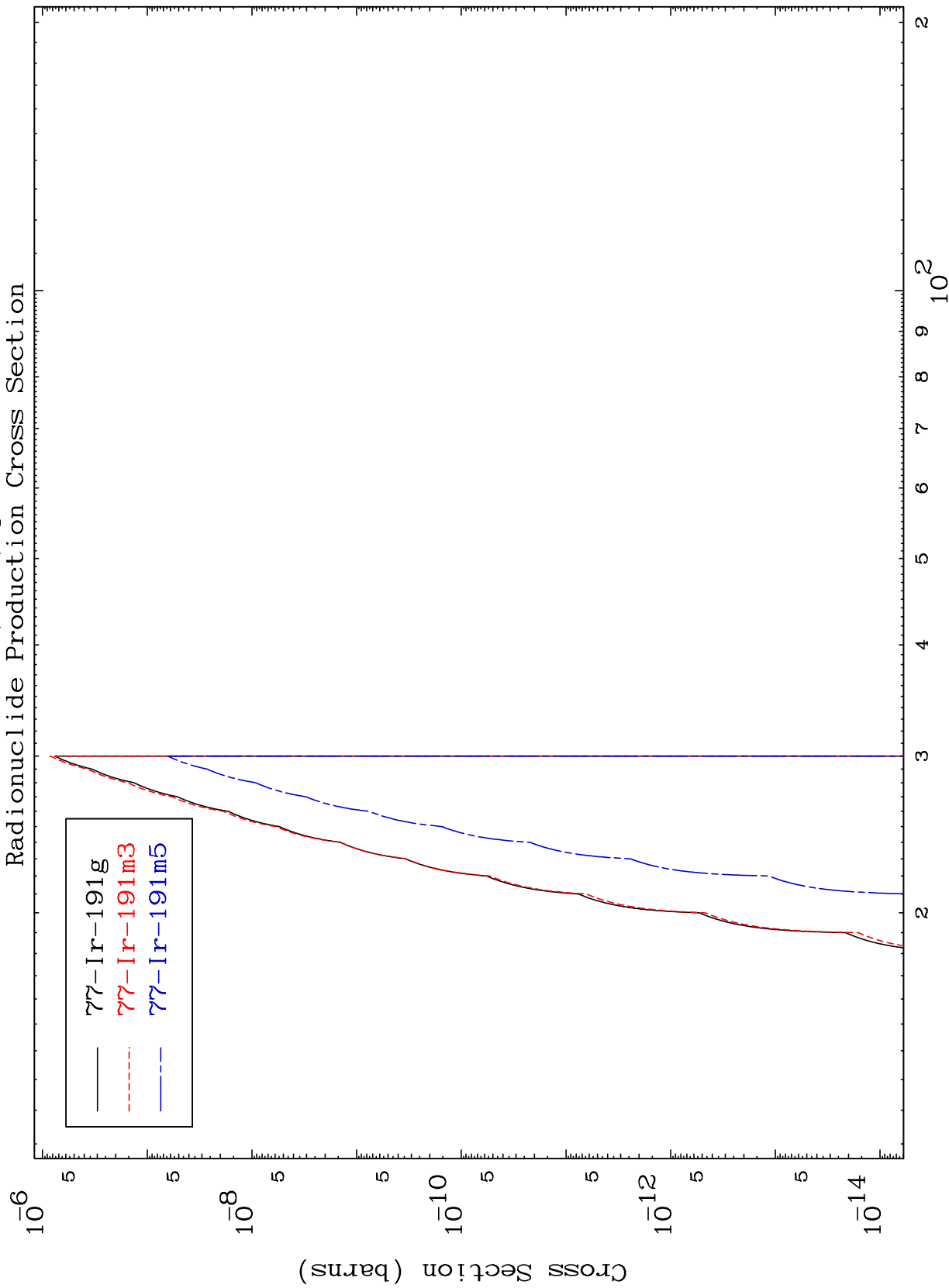
79-Au-193

MAT 7914

(n,2n) p

79-Au-193

Radionuclide Production Cross Section



Incident Energy (MeV)

79-Au-193

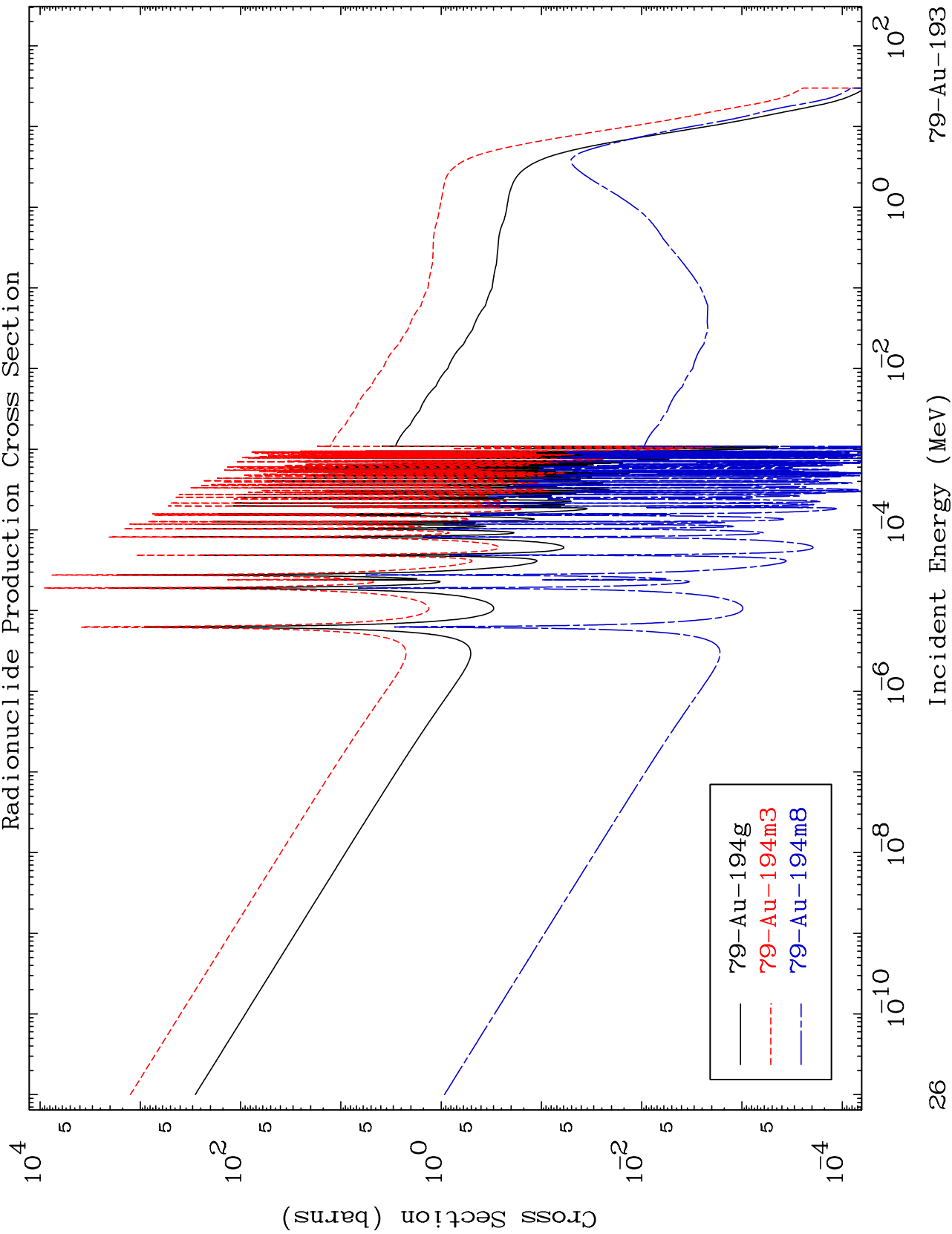
25

MAT 7914

79-Au-193

Radionuclide Production Cross Section

(n, γ)

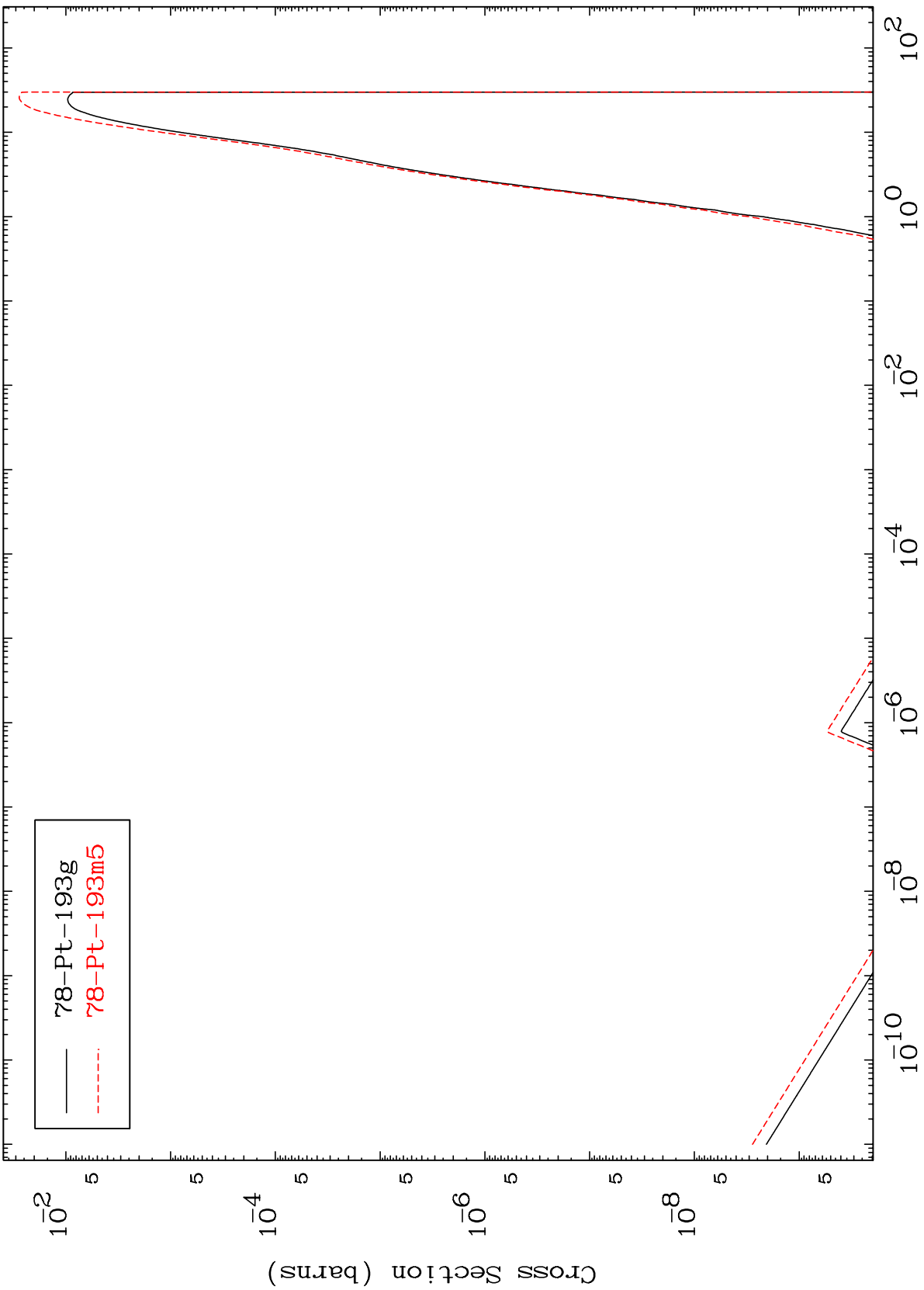


MAT 7914

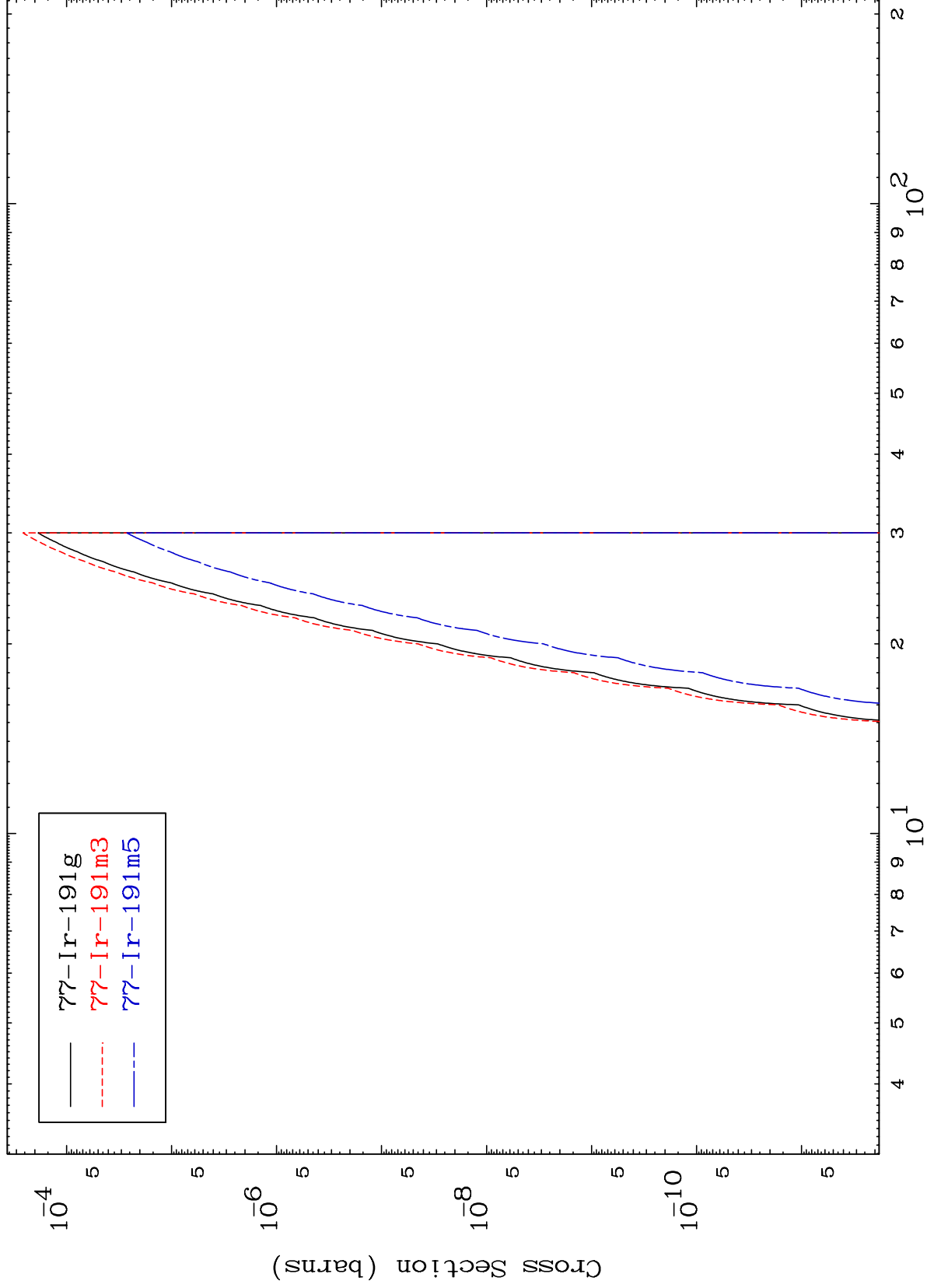
(n,p)

79-Au-193

Radionuclide Production Cross Section



Radionuclide Production Cross Section

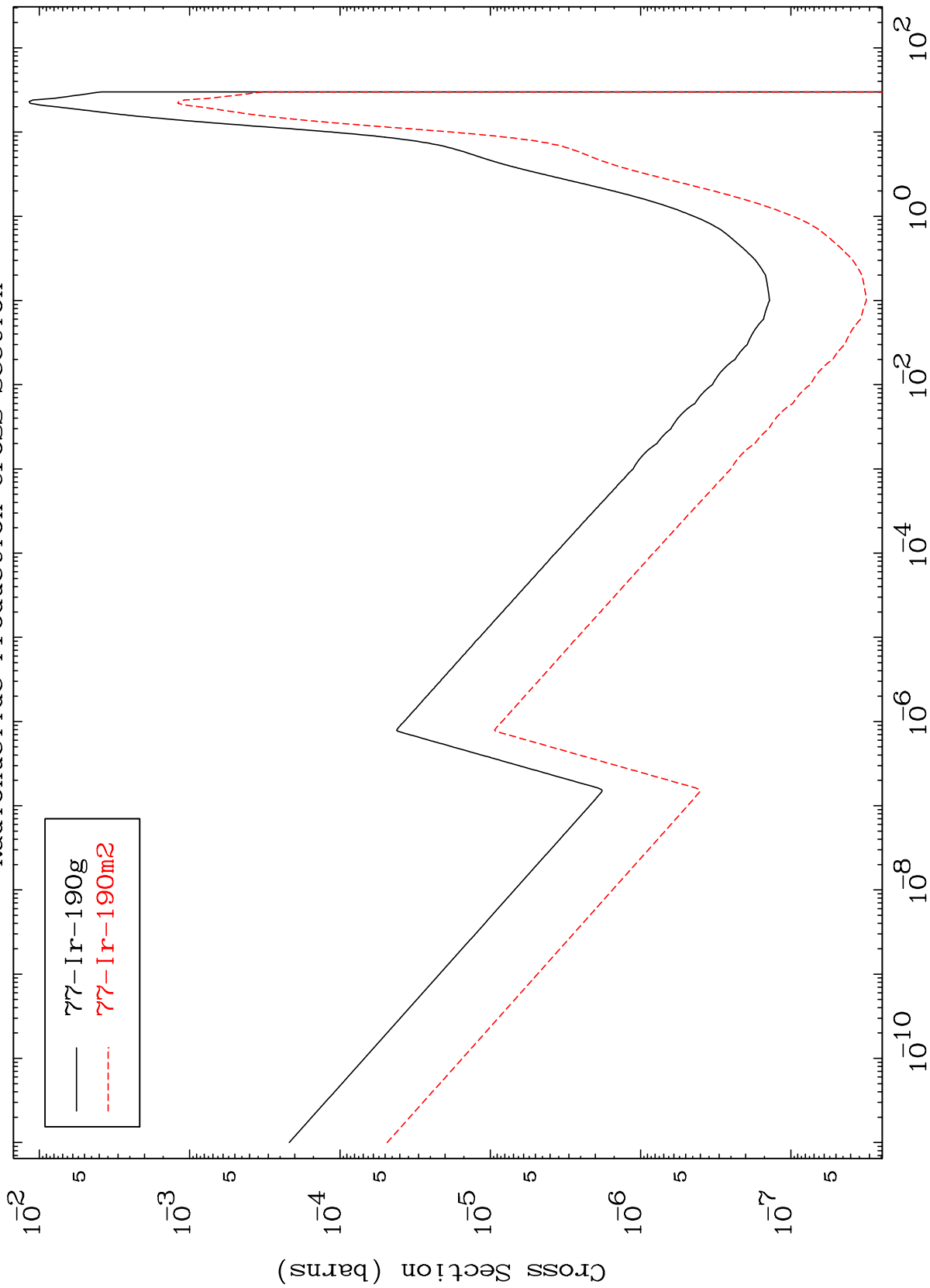


MAT 7914

(n, α)

79-Au-193

Radionuclide Production Cross Section



29

Incident Energy (MeV)

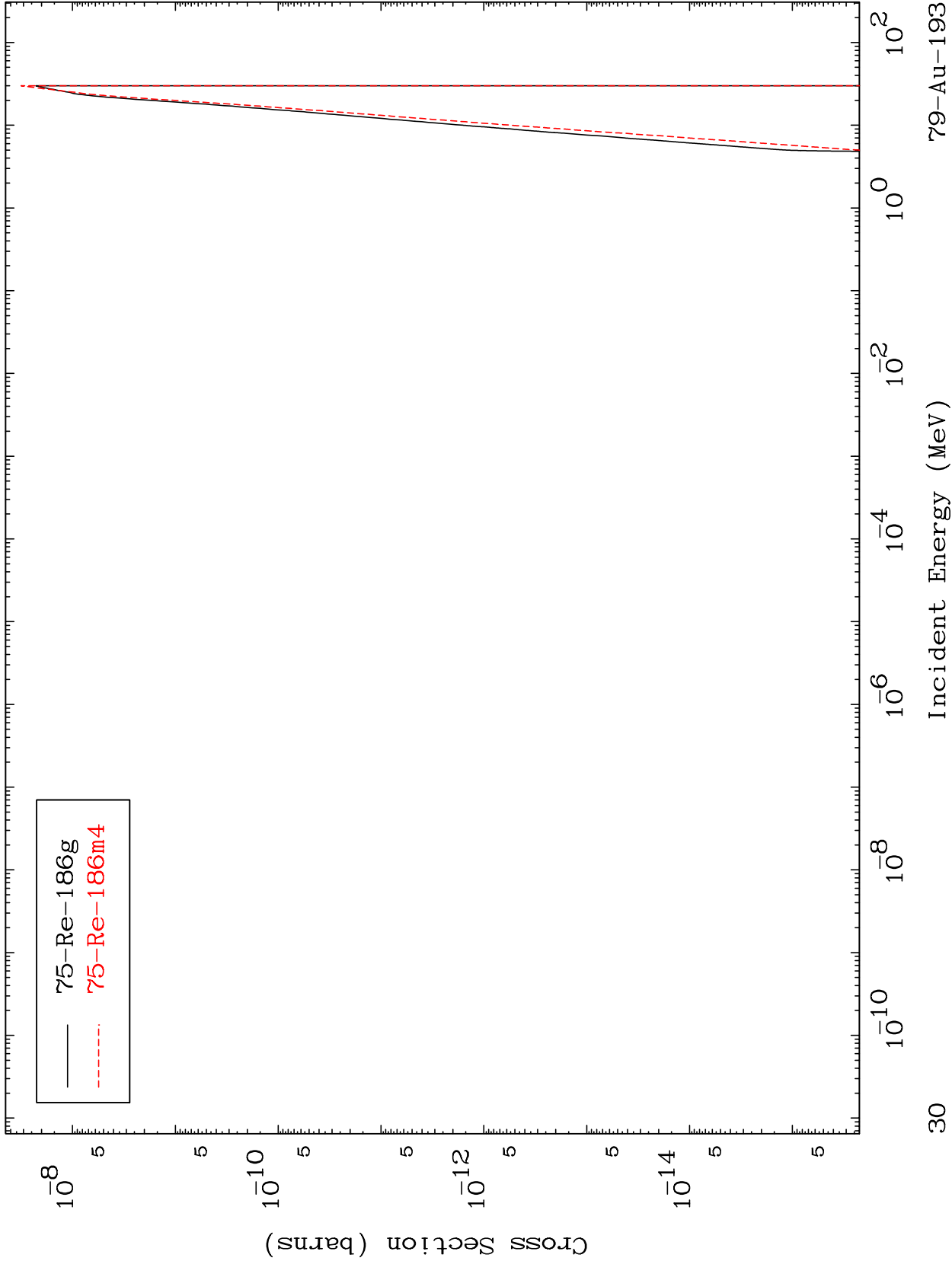
79-Au-193

MAT 7914

(n,2α)

79-Au-193

Radionuclide Production Cross Section

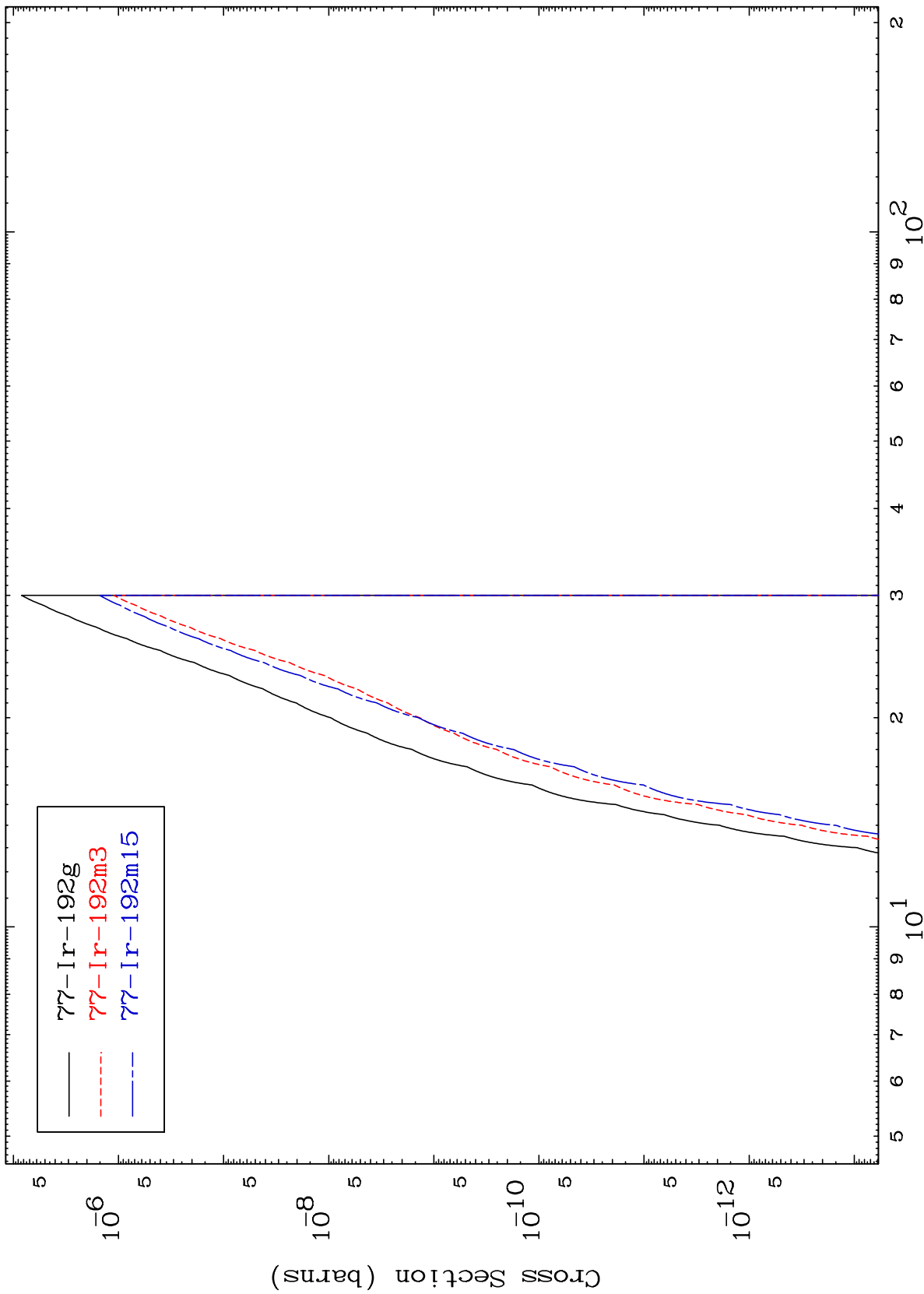


— 75-Re-186g
- - - 75-Re-186m4

MAT 7914

79-Au-193

(n,2p)
Radionuclide Production Cross Section



79-Au-193

Incident Energy (MeV)

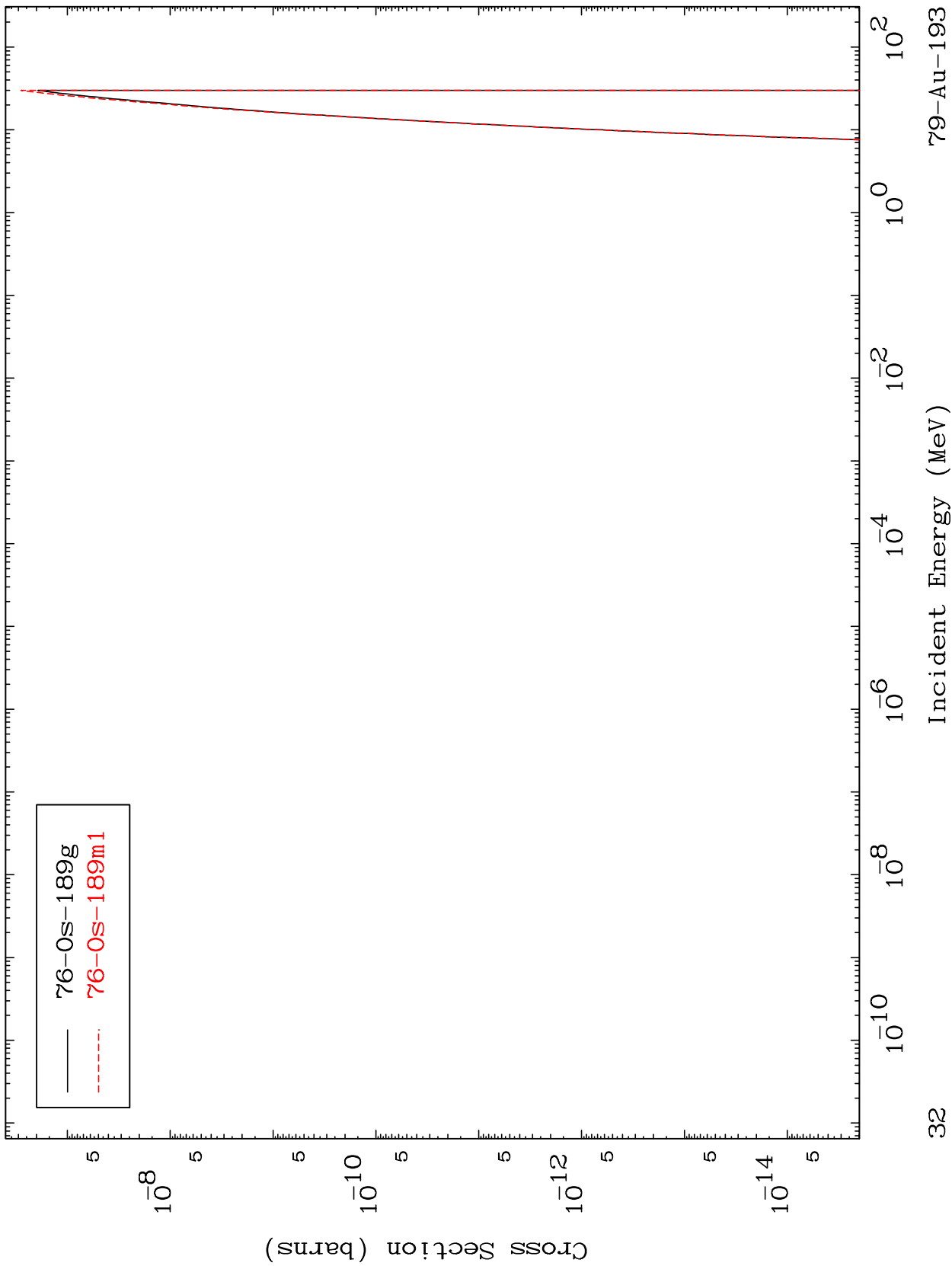
31

MAT 7914

(n,p) α

⁷⁹Au-193

Radionuclide Production Cross Section

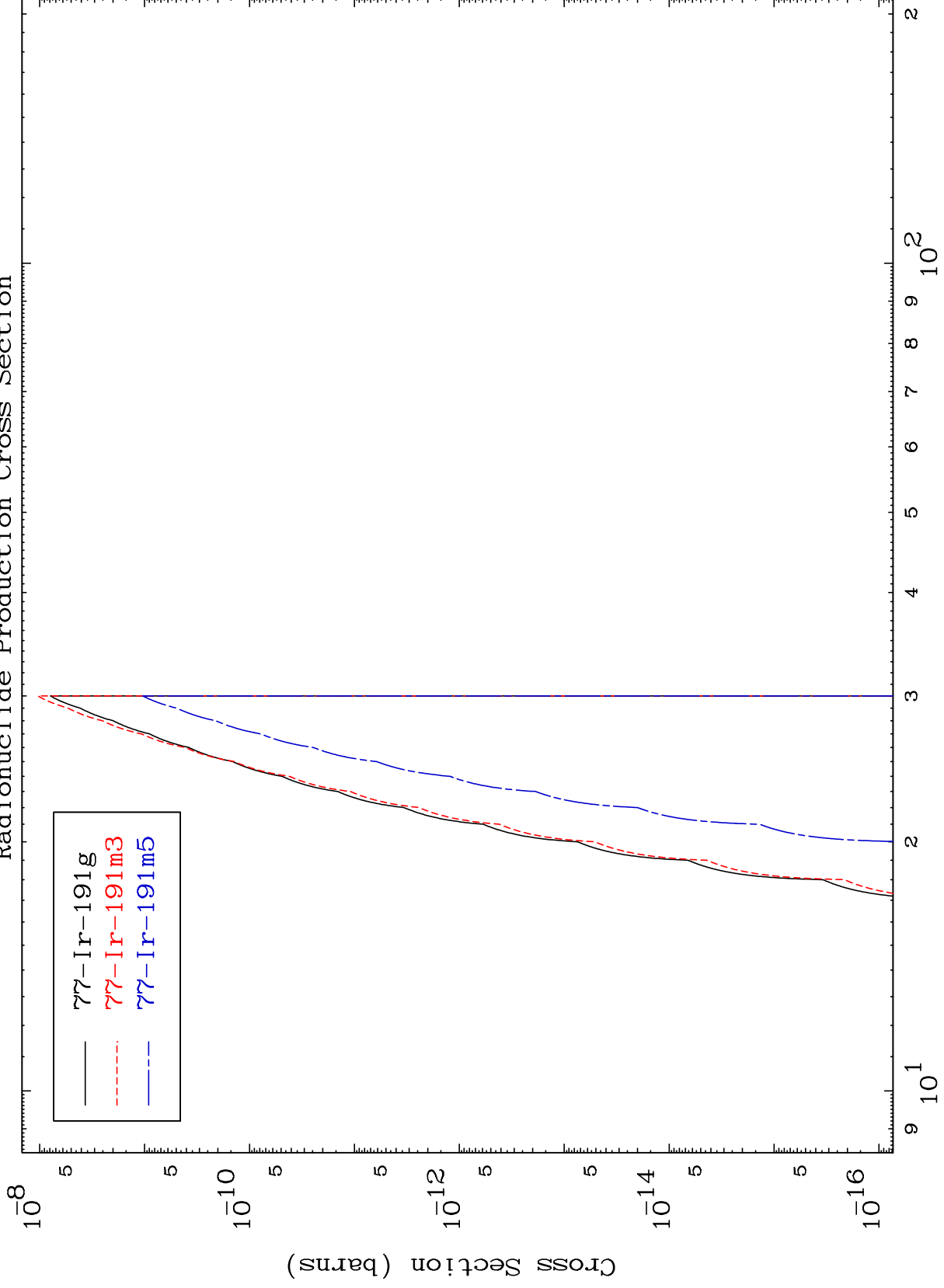


MAT 7914

(n,p) d

79-Au-193

Radionuclide Production Cross Section



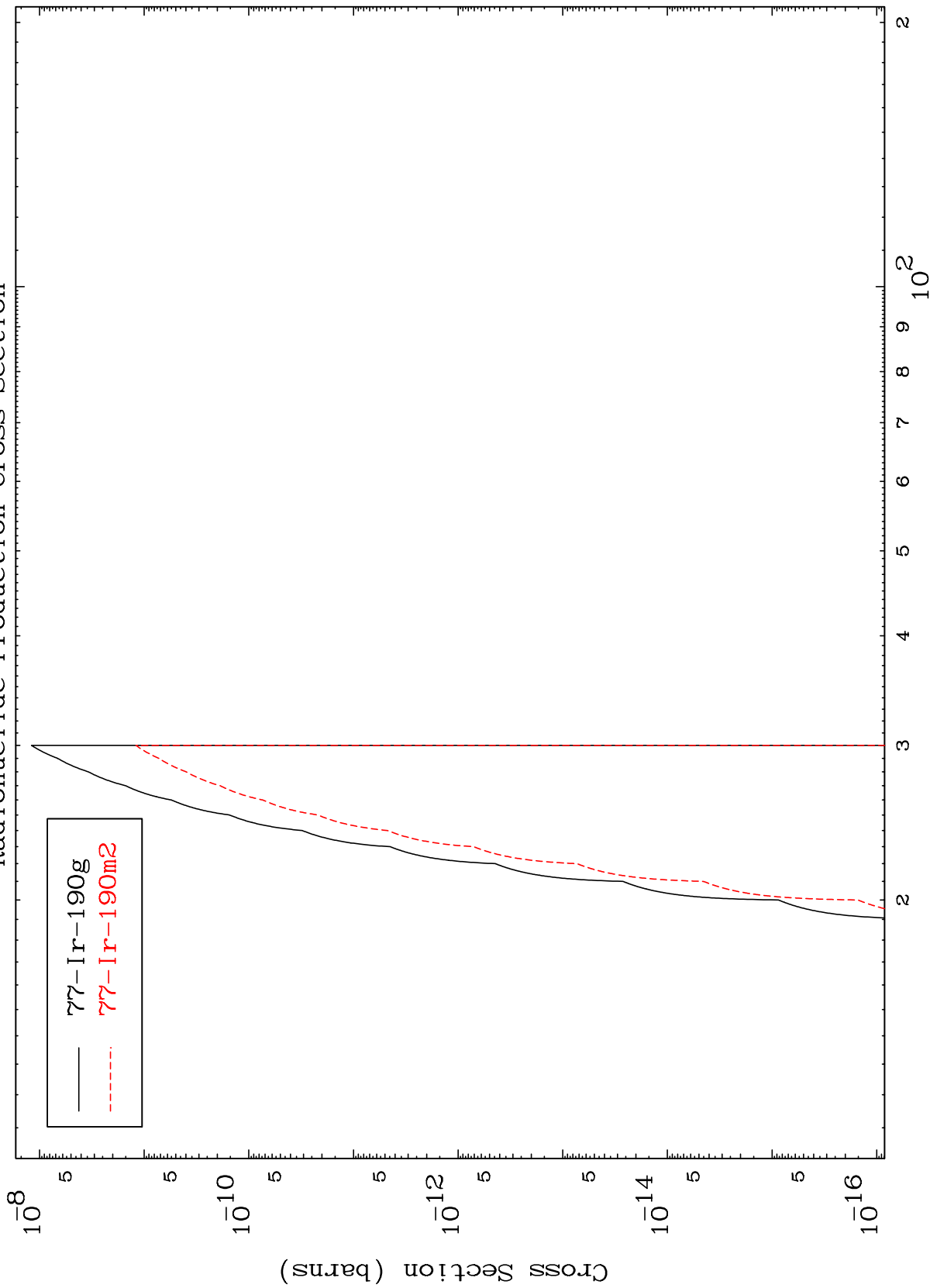
77-Ir-191g
77-Ir-191m3
77-Ir-191m5

MAT 7914

(n,p) t

79-Au-193

Radionuclide Production Cross Section



Incident Energy (MeV)

79-Au-193

34