

Program EVALPLOT
(Version 2021-1)

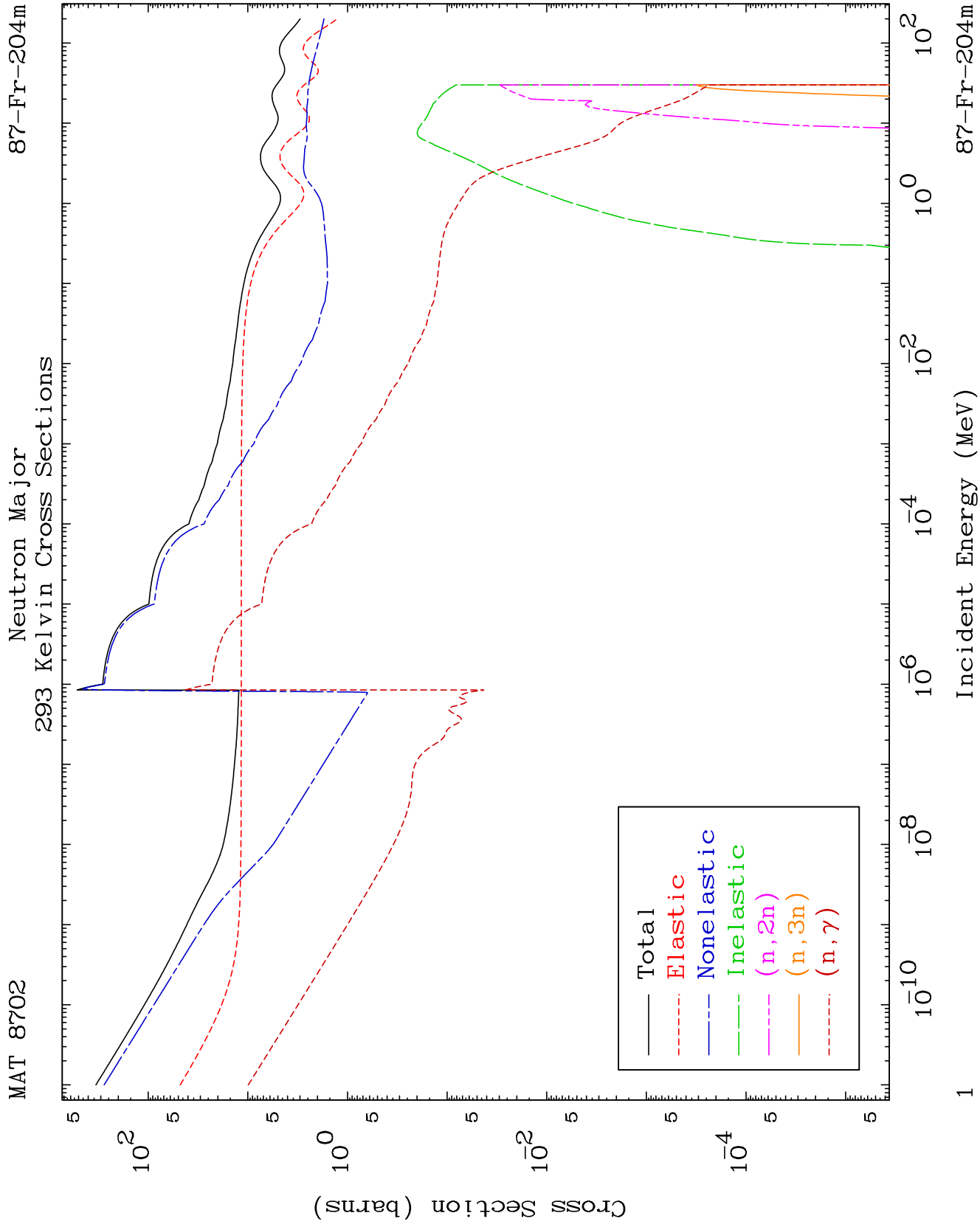
by

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

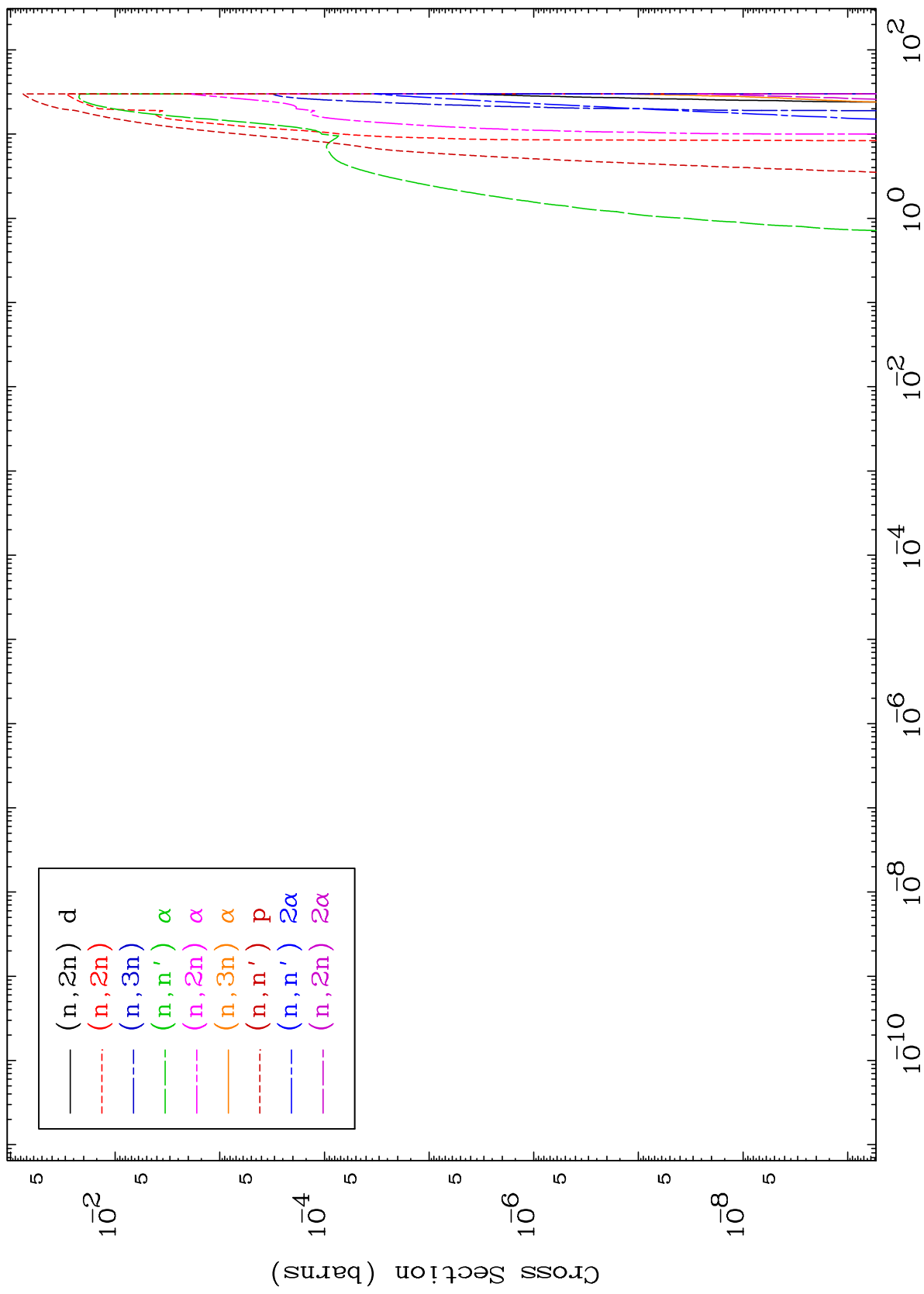
Press Mouse Button to Start



MAT 8702

Neutron Absorption
293 Kelvin Cross Sections

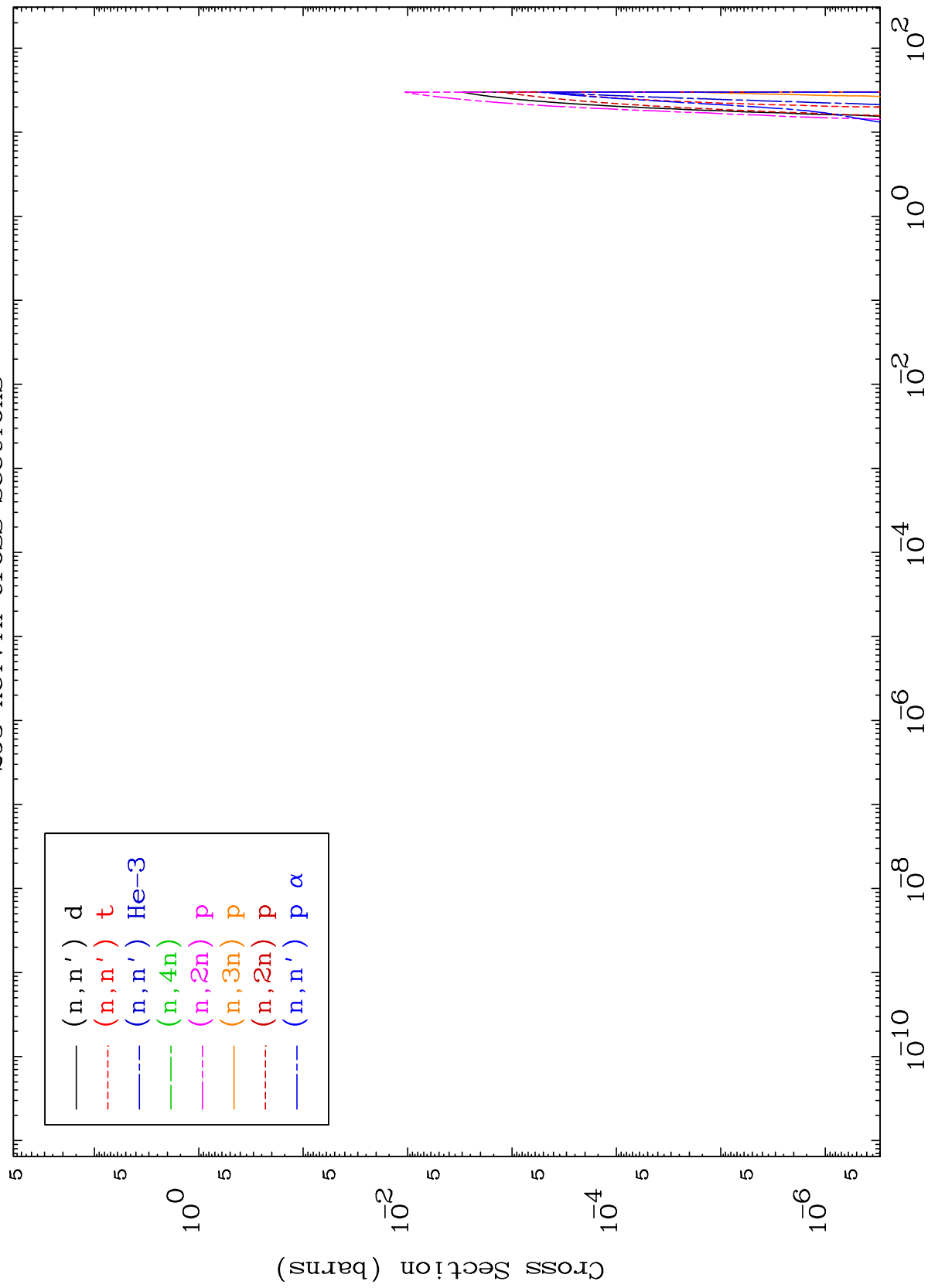
87-Fr-204m



MAT 8702

Neutron Absorption
293 Kelvin Cross Sections

87-Fr-204m



3

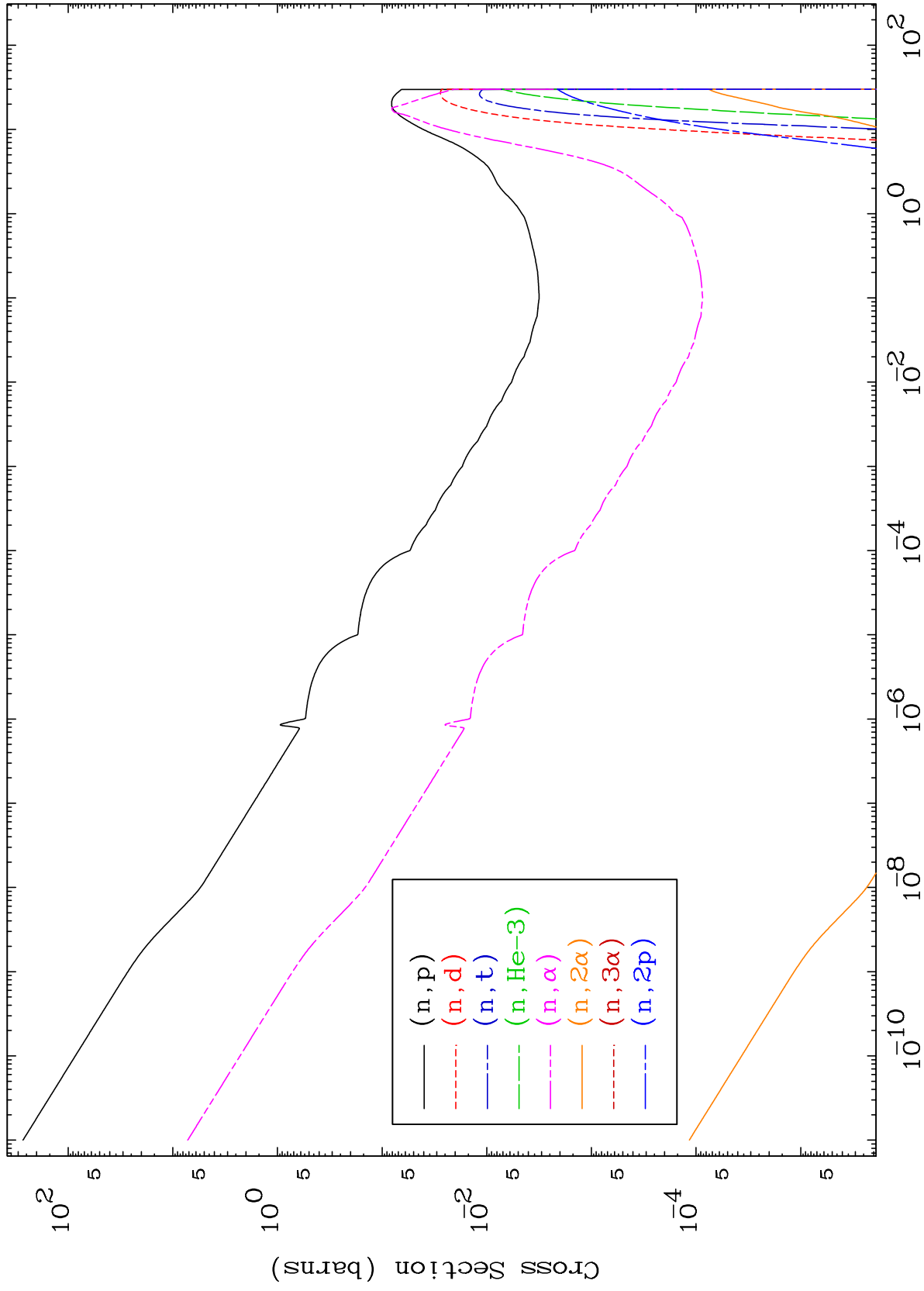
Incident Energy (MeV)

87-Fr-204m

MAT 8702

Neutron Absorption
293 Kelvin Cross Sections

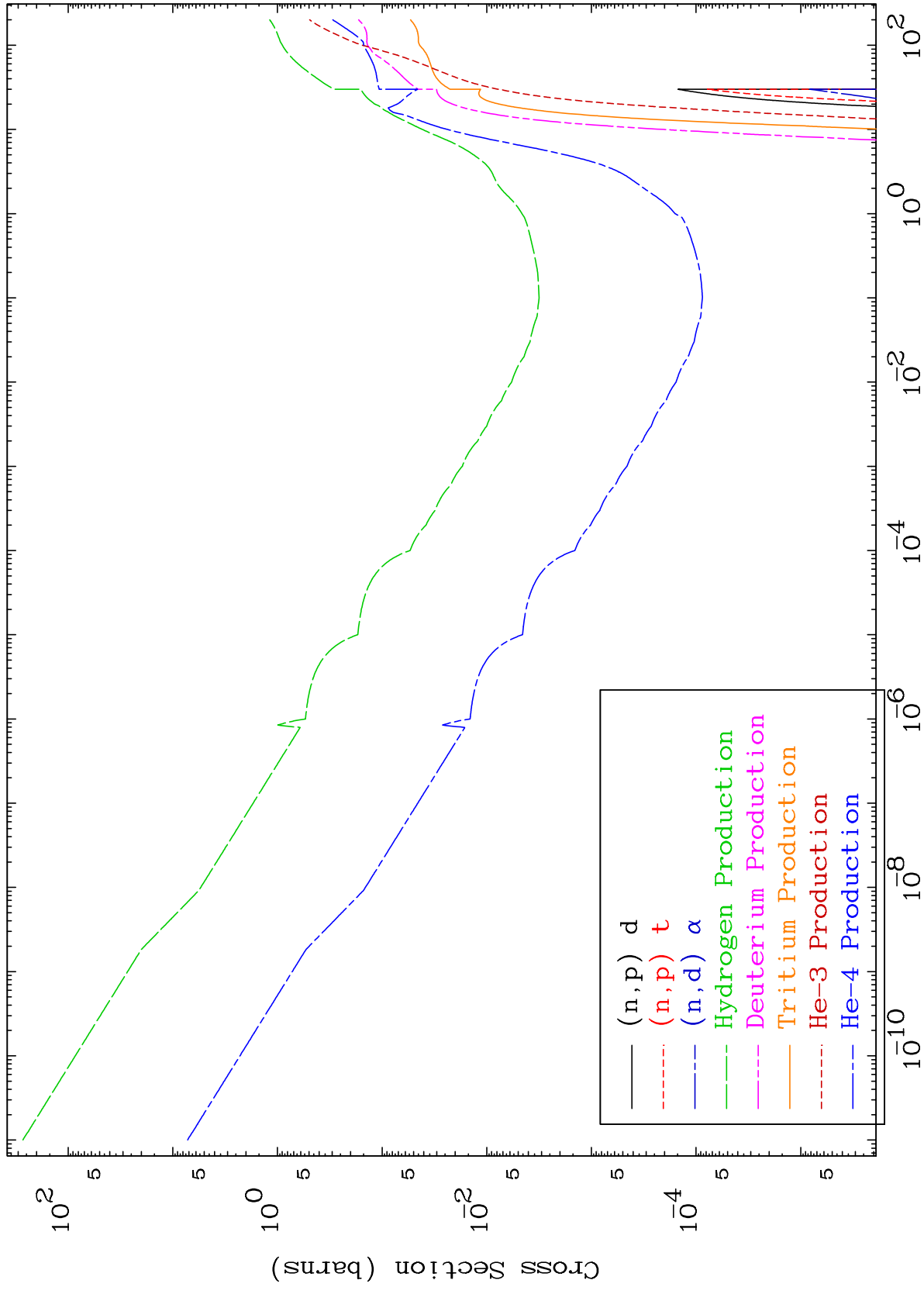
87-Fr-204m



MAT 8702

Neutron Absorption
293 Kelvin Cross Sections

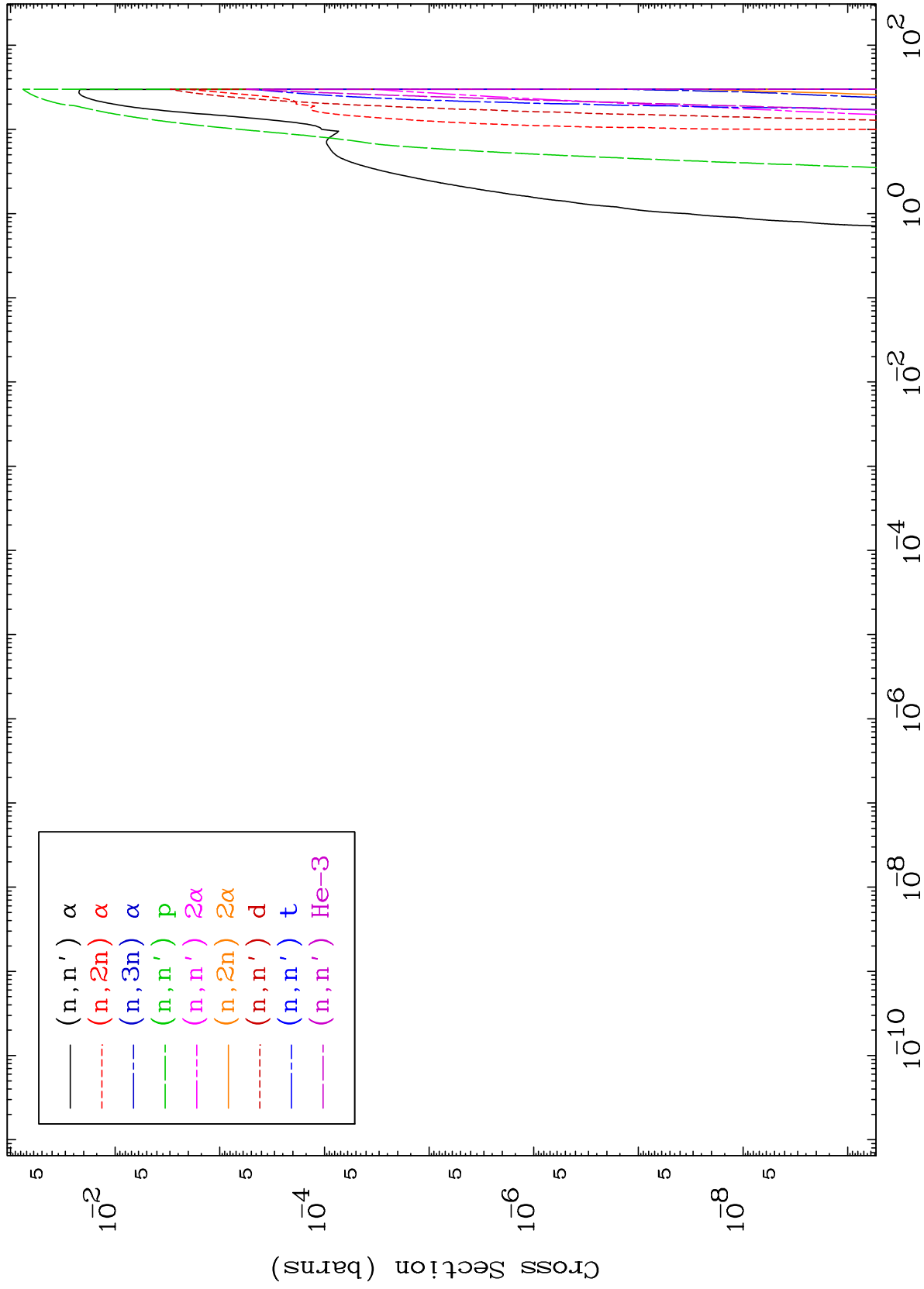
87-Fr-204m



MAT 8702

Charged Particle
293 Kelvin Cross Sections

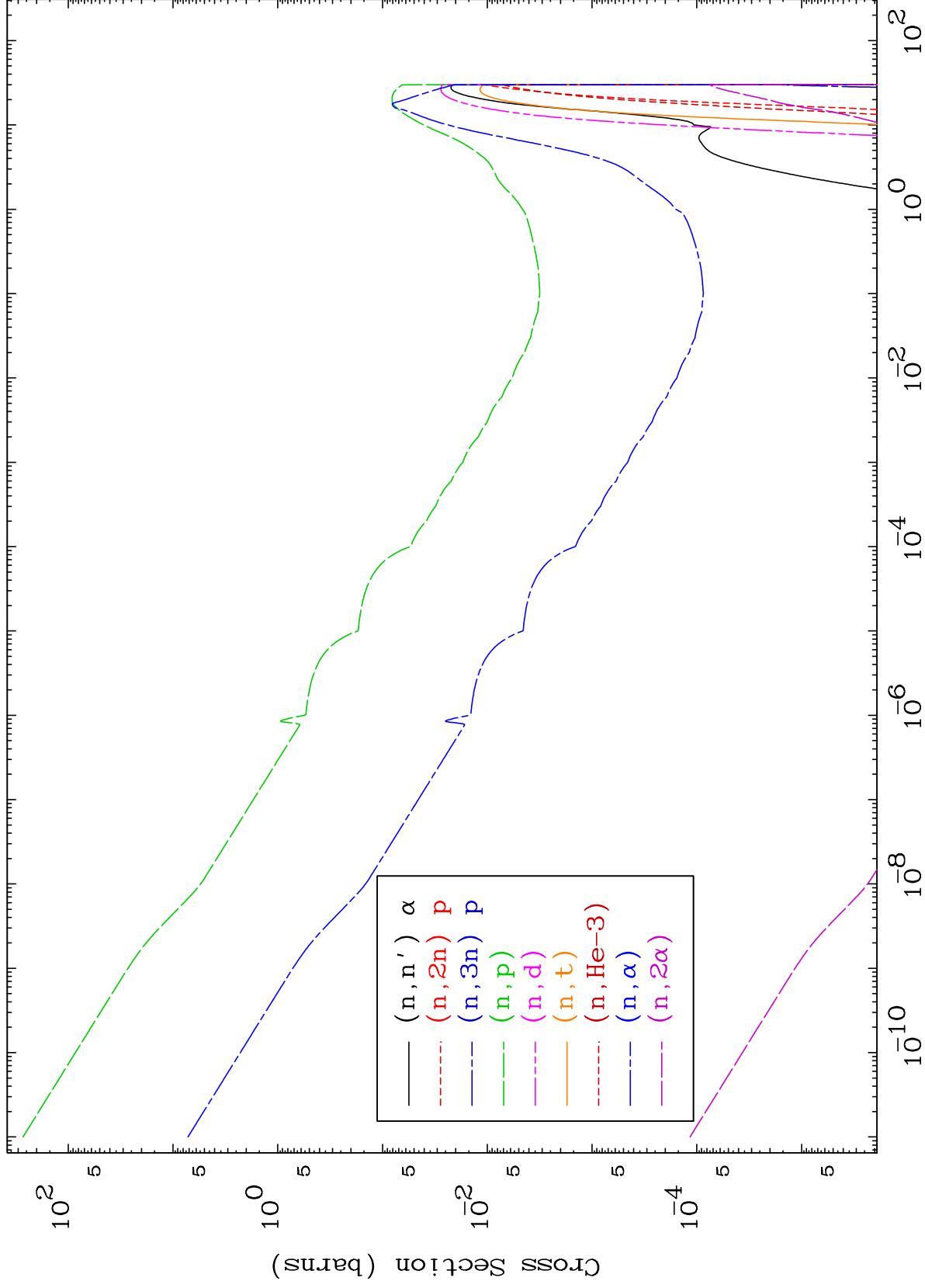
87-Fr-204m

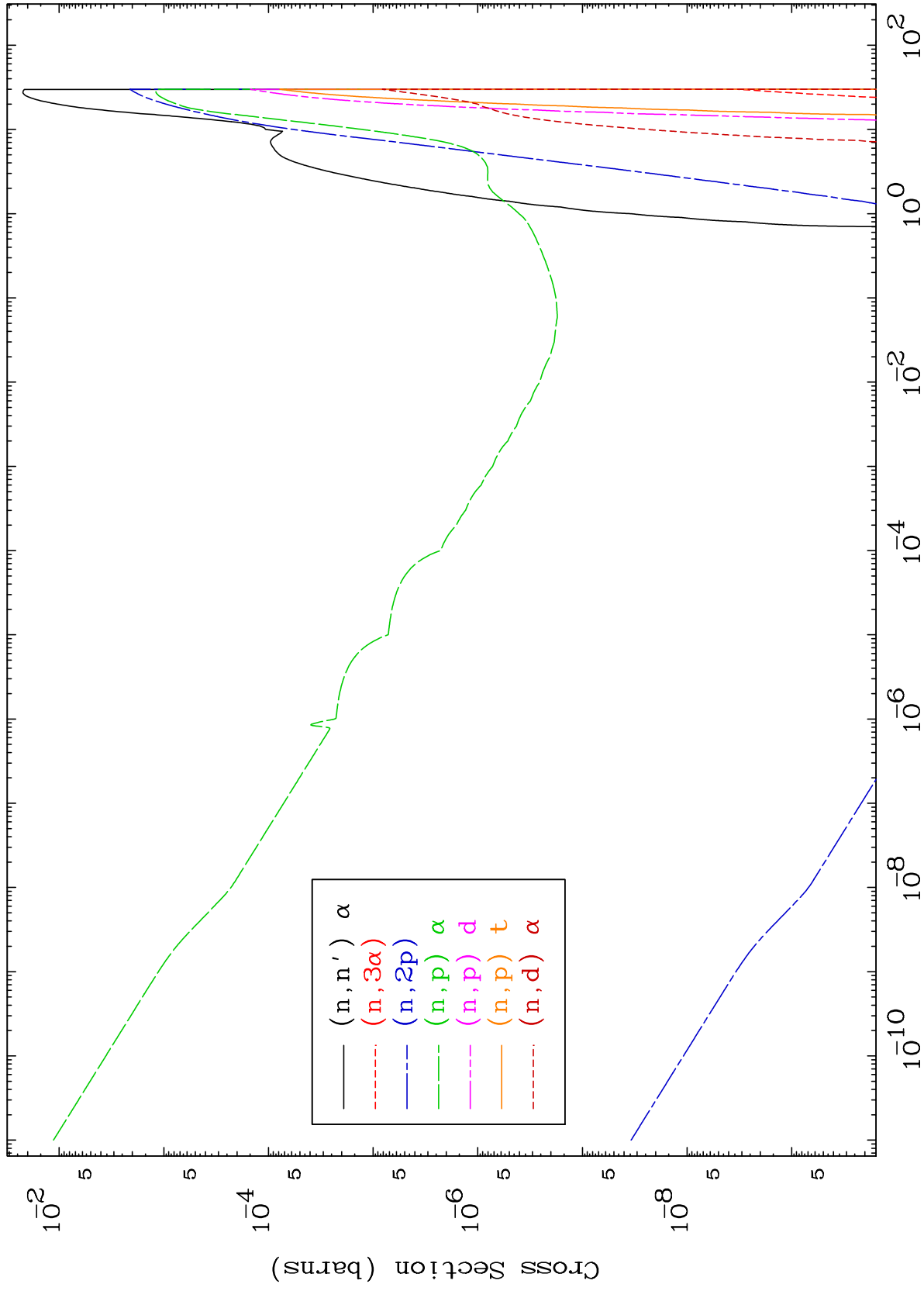


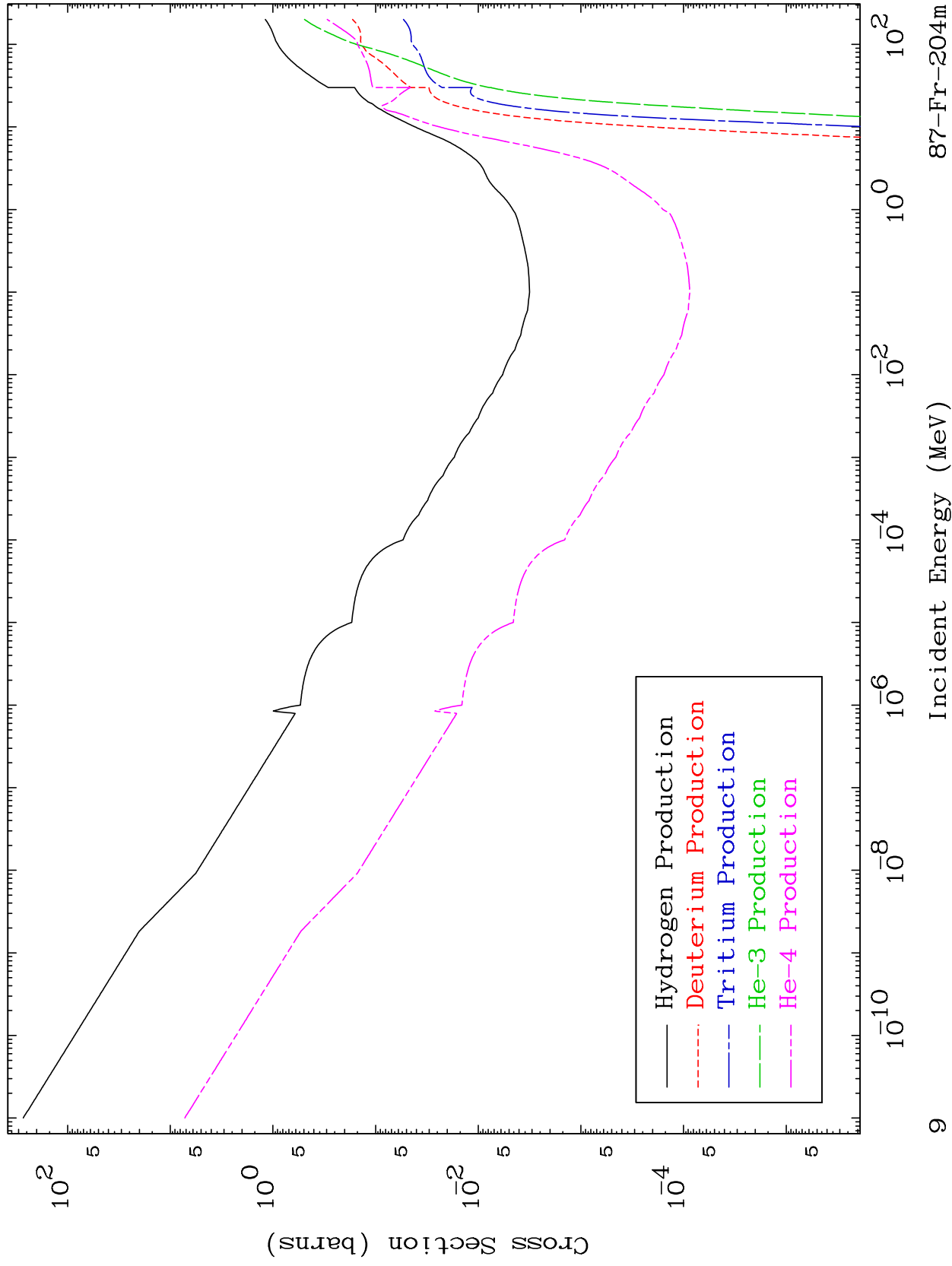
MAT 8702

Charged Particle
293 Kelvin Cross Sections

87-Fr-204m





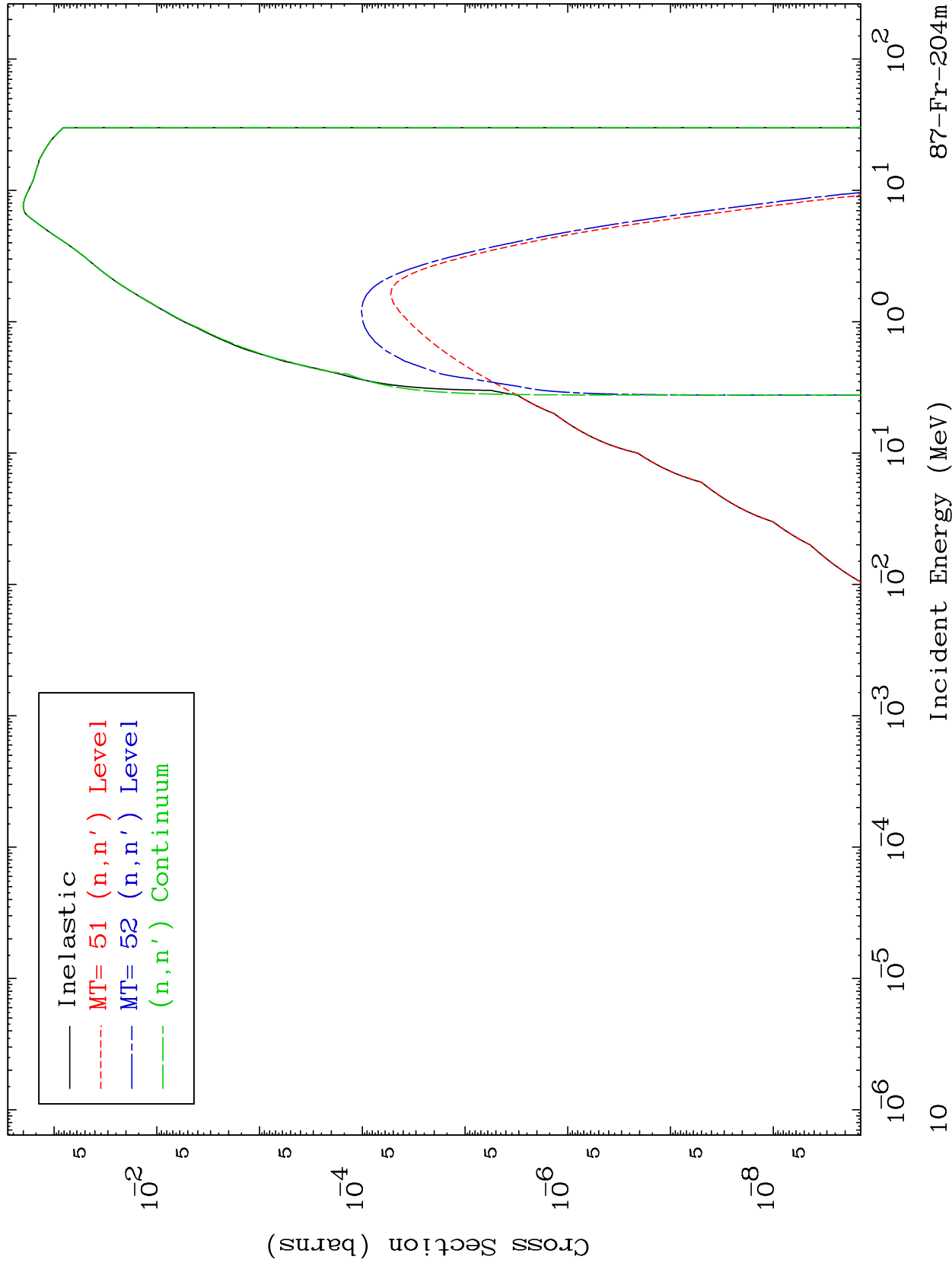


MAT 8702

(n,n') Levels

87-Fr-204m

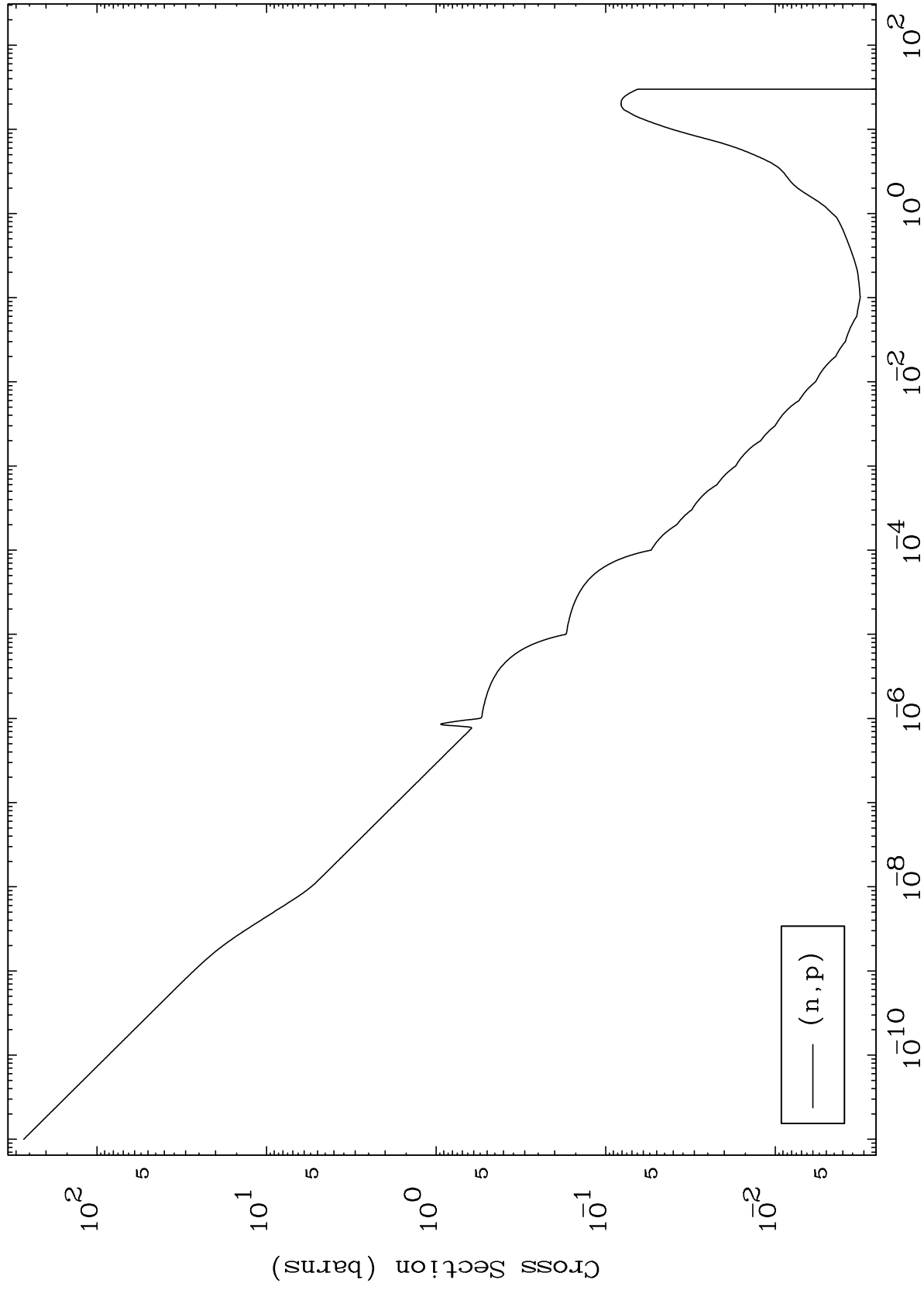
293 Kelvin Cross Sections



MAT 8702

(n,p) Levels
293 Kelvin Cross Sections

87-Fr-204m



11

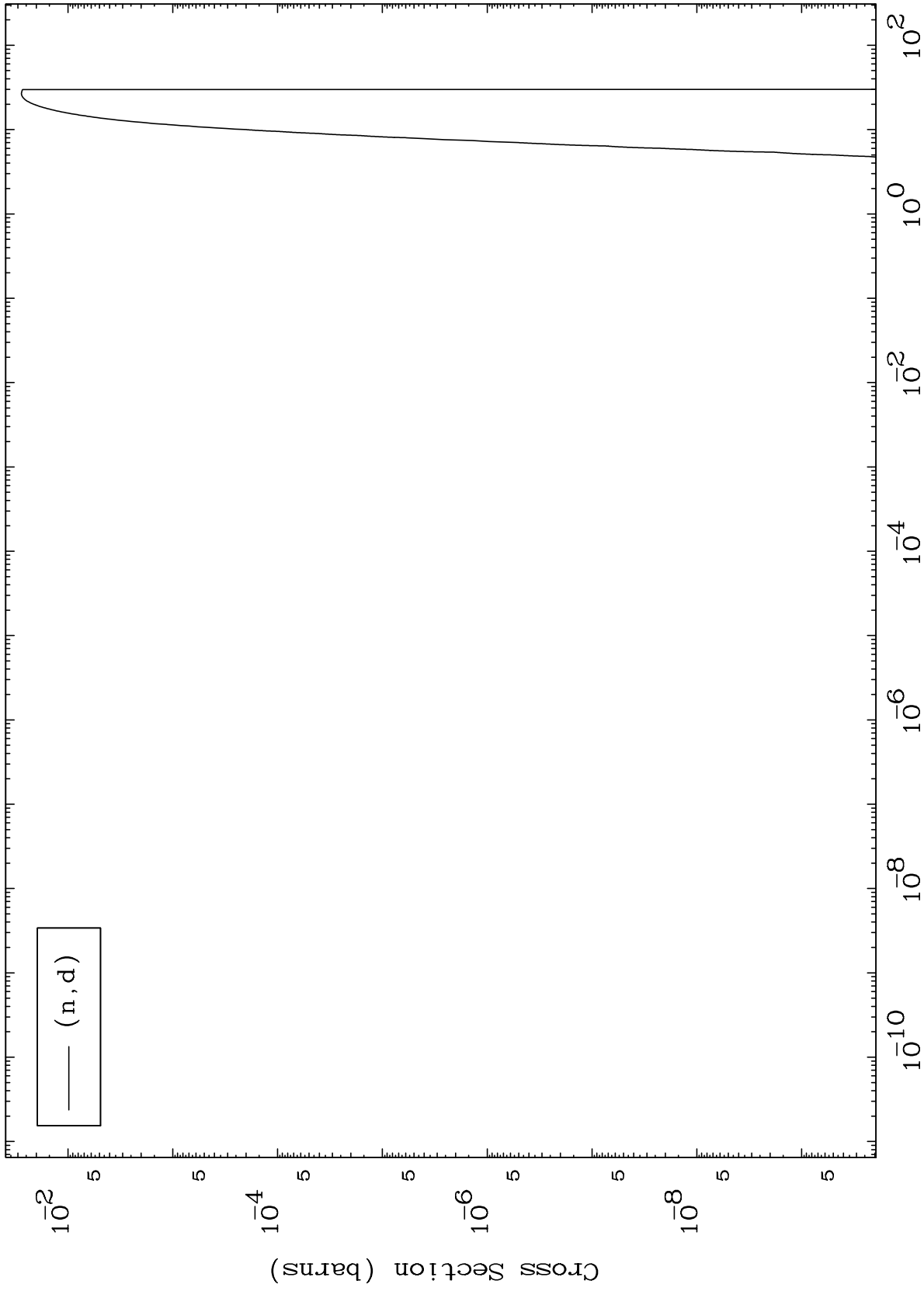
Incident Energy (MeV)

87-Fr-204m

MAT 8702

(n,d) Levels
293 Kelvin Cross Sections

87-Fr-204m



12

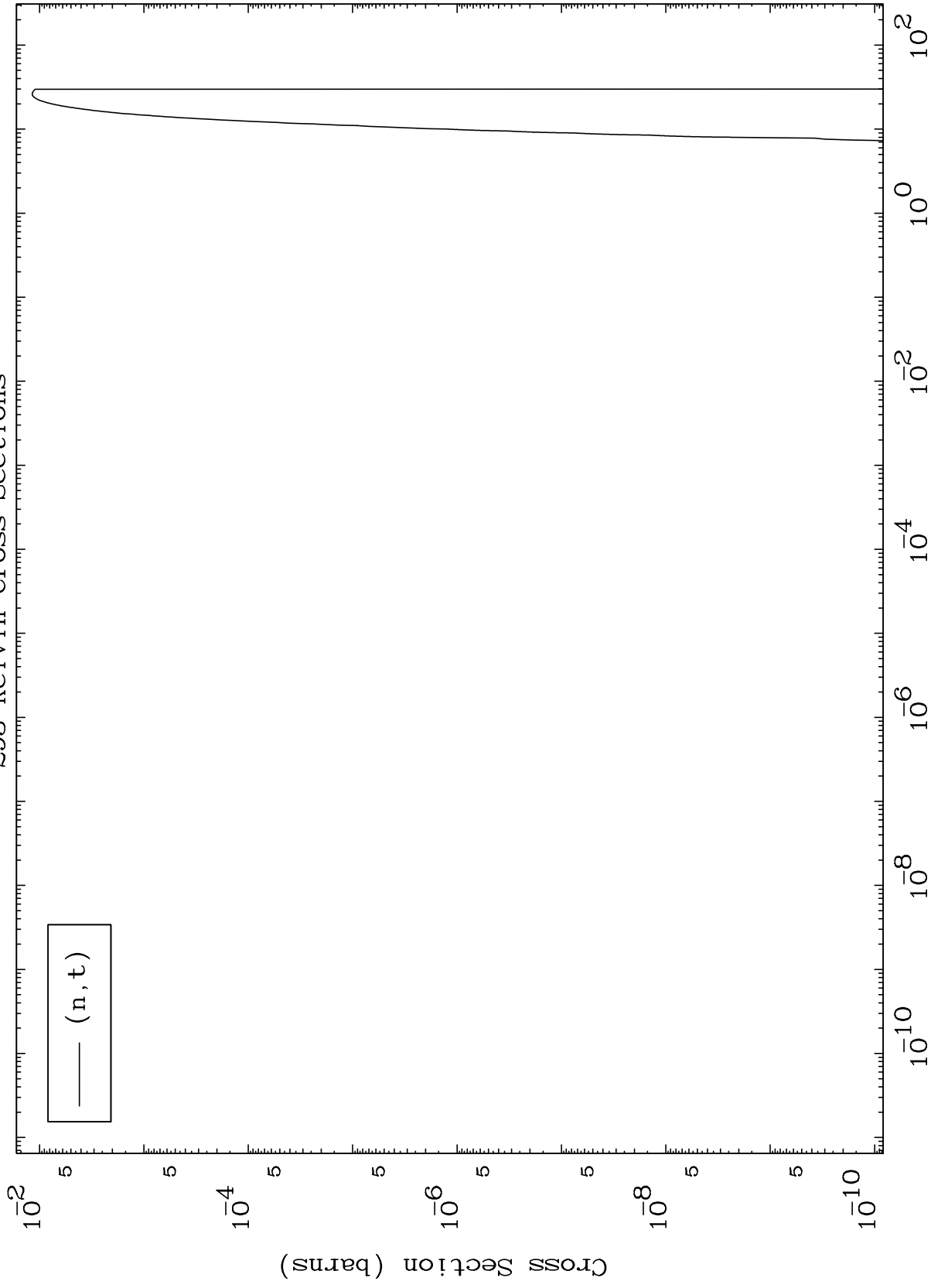
Incident Energy (MeV)

87-Fr-204m

MAT 8702

(n,t) Levels
293 Kelvin Cross Sections

87-Fr-204m



13

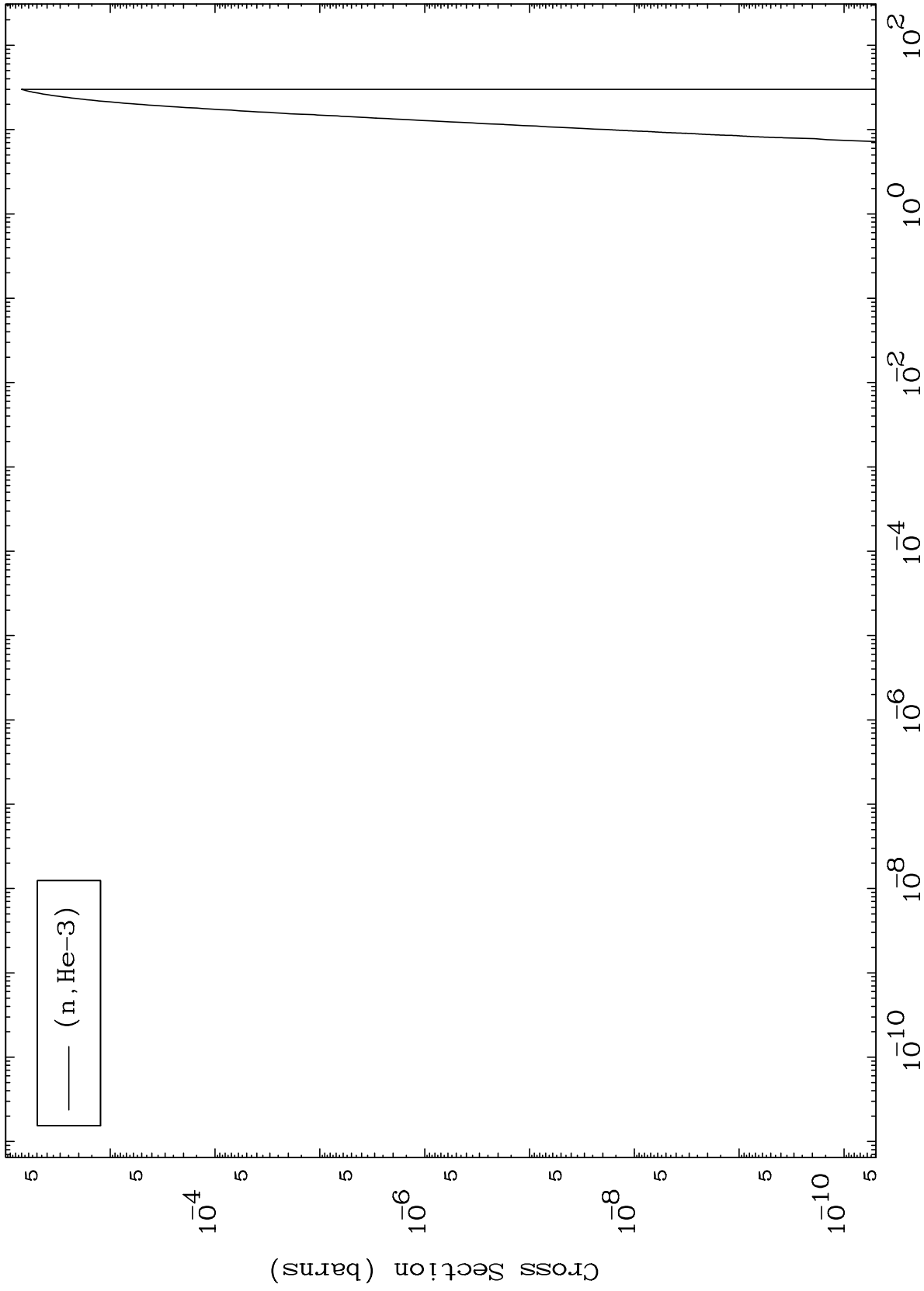
Incident Energy (MeV)

87-Fr-204m

MAT 8702

(n,He3) Levels
293 Kelvin Cross Sections

87-Fr-204m



14

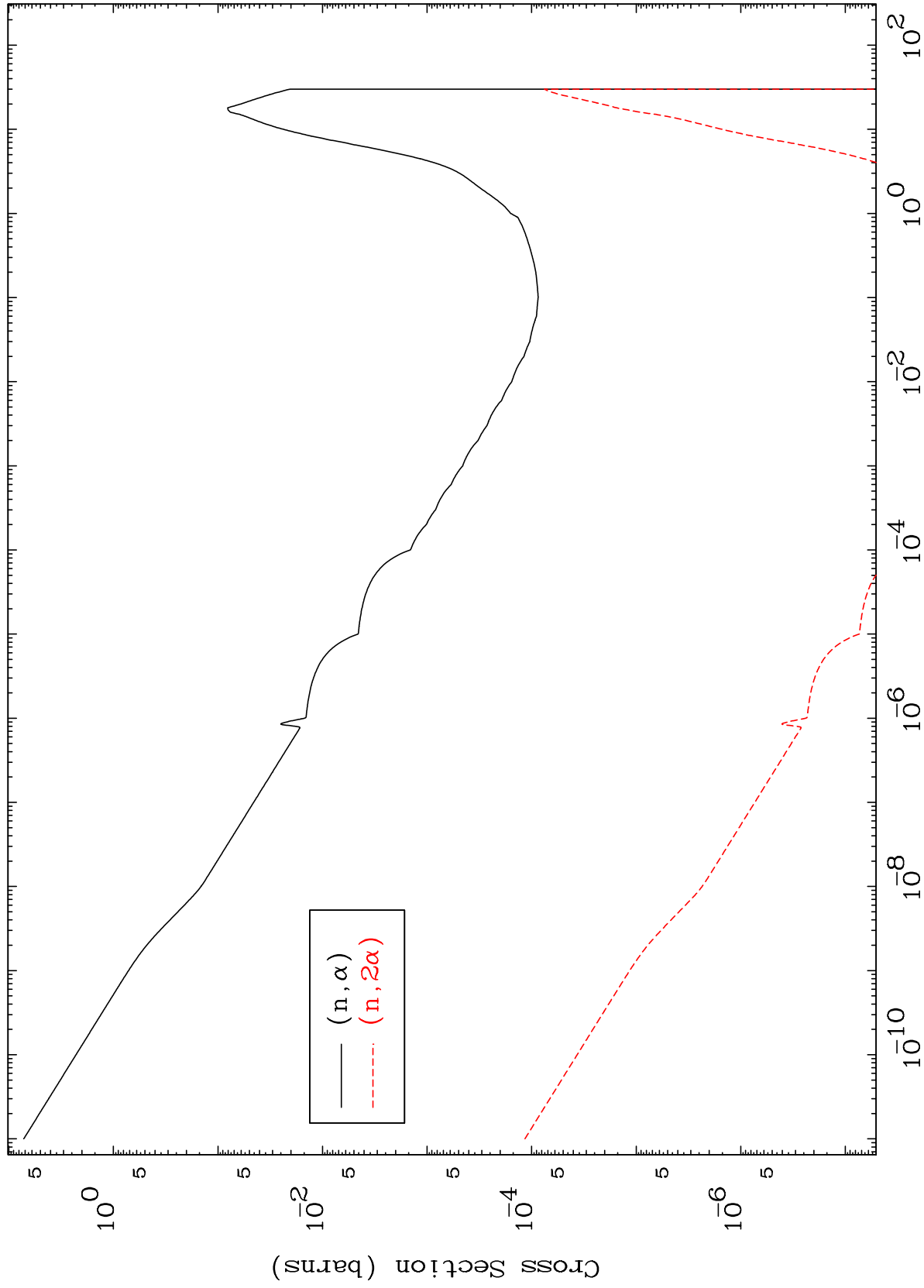
Incident Energy (MeV)

87-Fr-204m

MAT 8702

(n, α) Levels
293 Kelvin Cross Sections

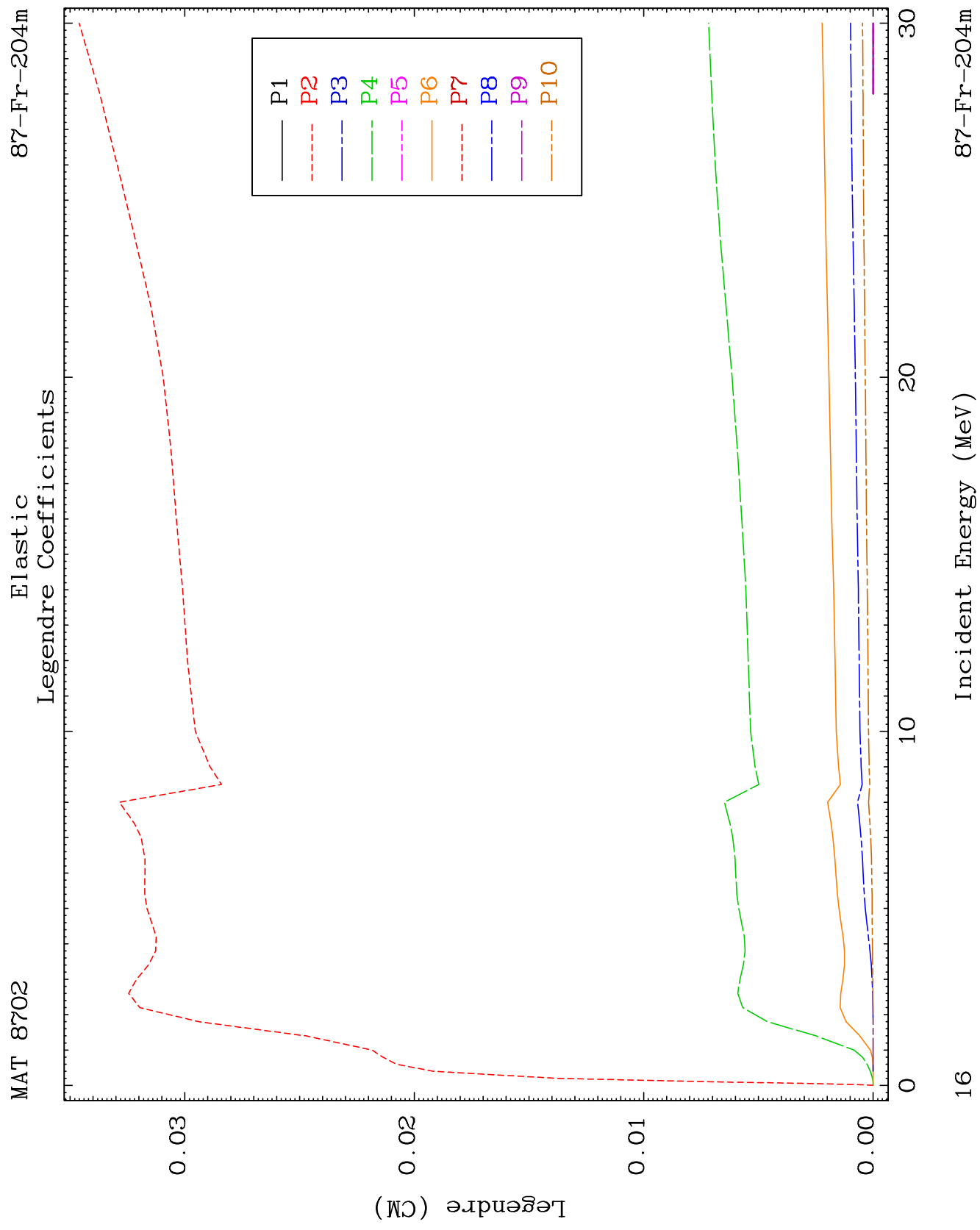
87-Fr-204m



15

Incident Energy (MeV)

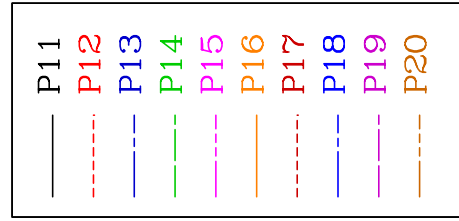
87-Fr-204m



MAT 8702

Elastic
Legendre Coefficients

87-Fr-204m



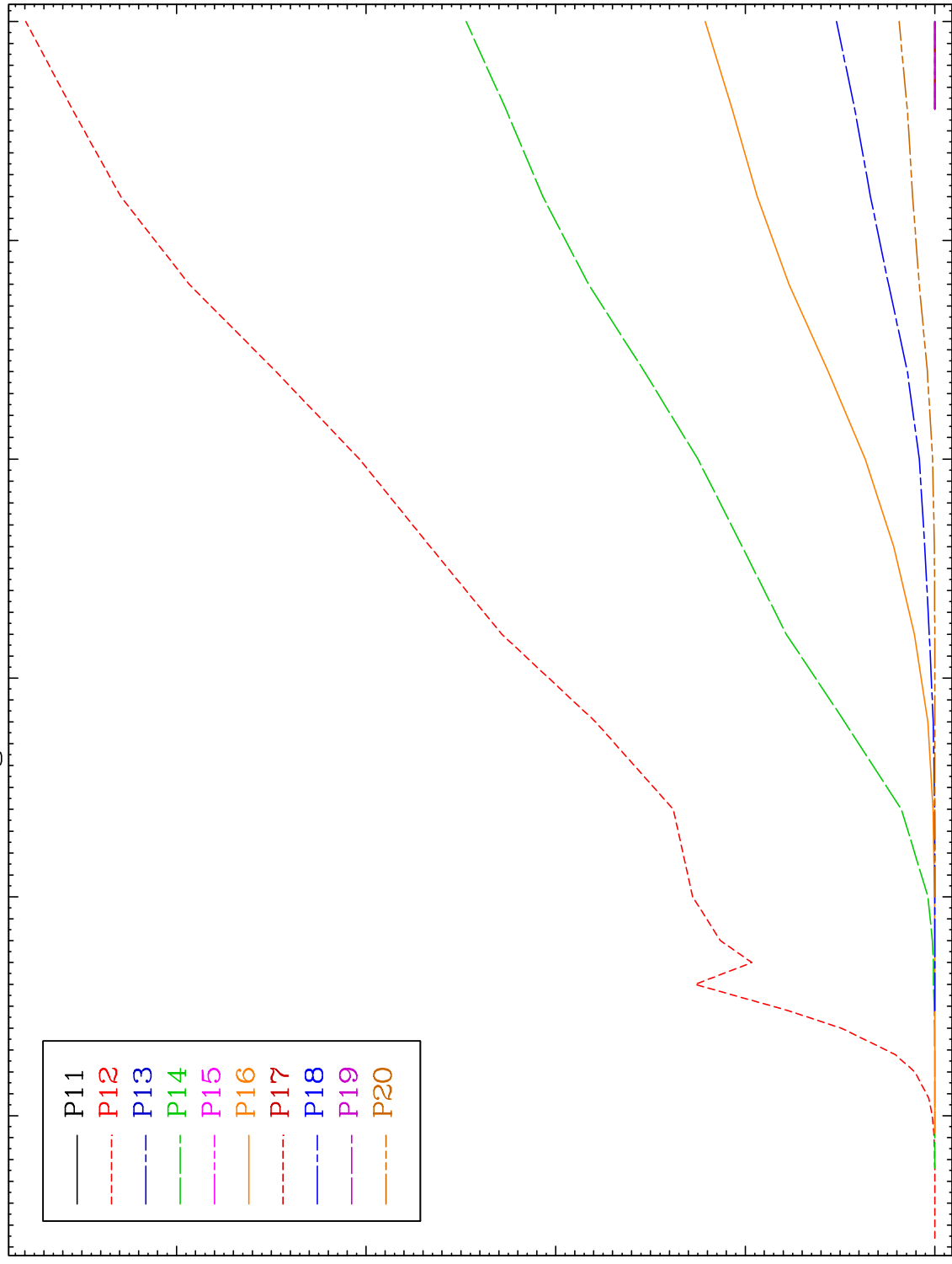
$\times 10^{-4}$

Legendre (CM)

17

Incident Energy (MeV)

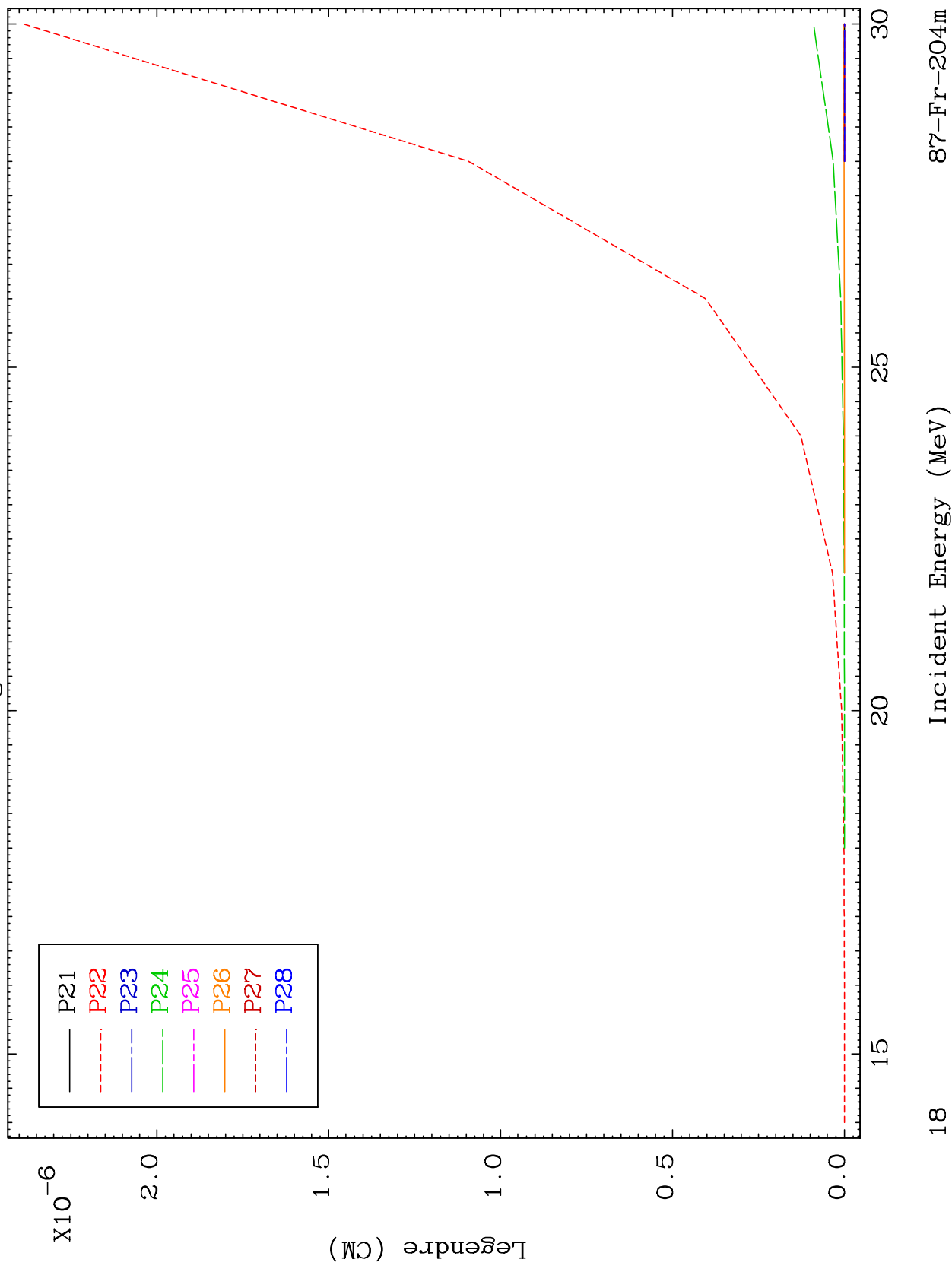
87-Fr-204m



MAT 8702

Elastic Legendre Coefficients

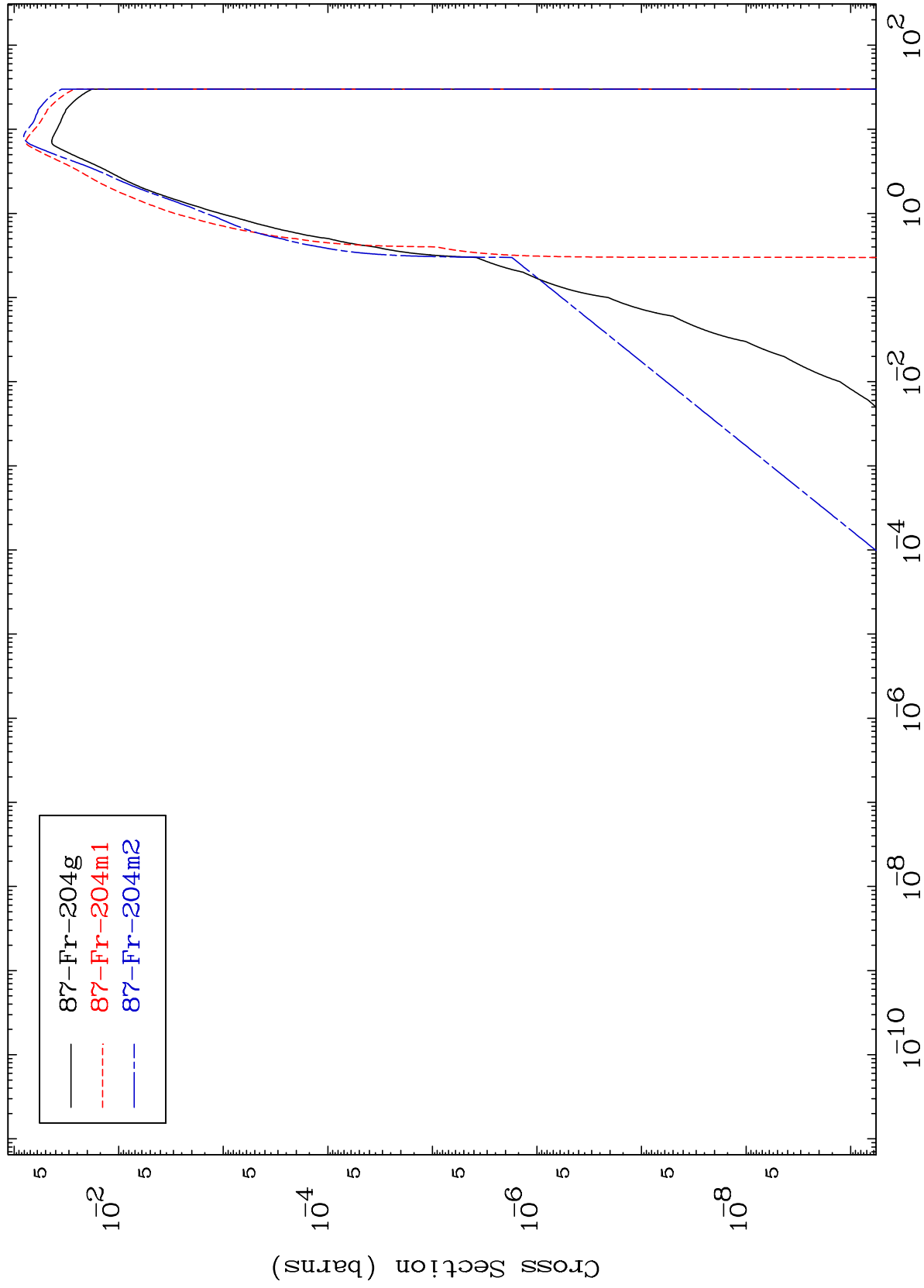
87-Fr-204m



MAT 8702

Radionuclide Production Cross Section

87-Fr-204m



19

Incident Energy (MeV)

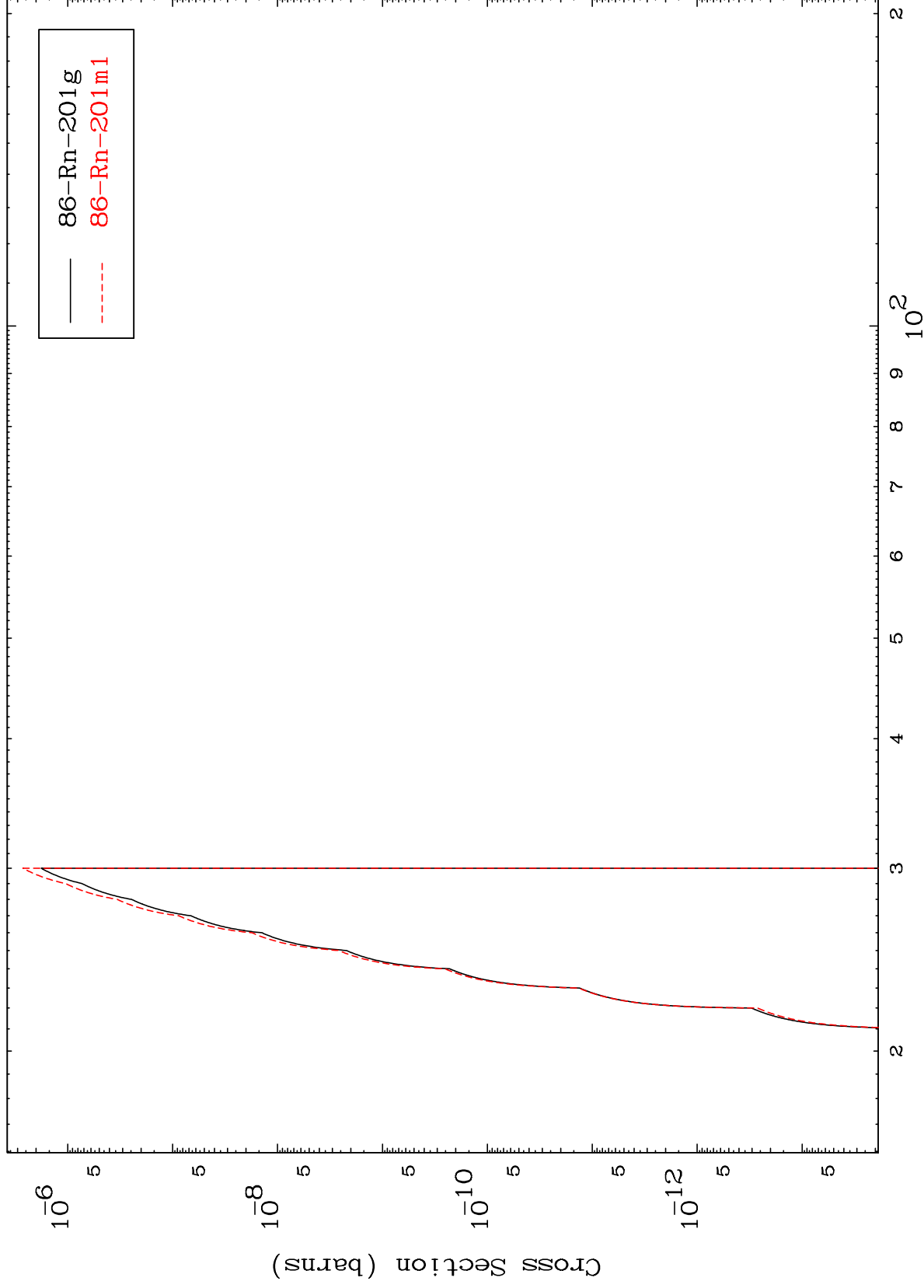
87-Fr-204m

MAT 8702

(n,2n) d

87-Fr-204m

Radionuclide Production Cross Section



20

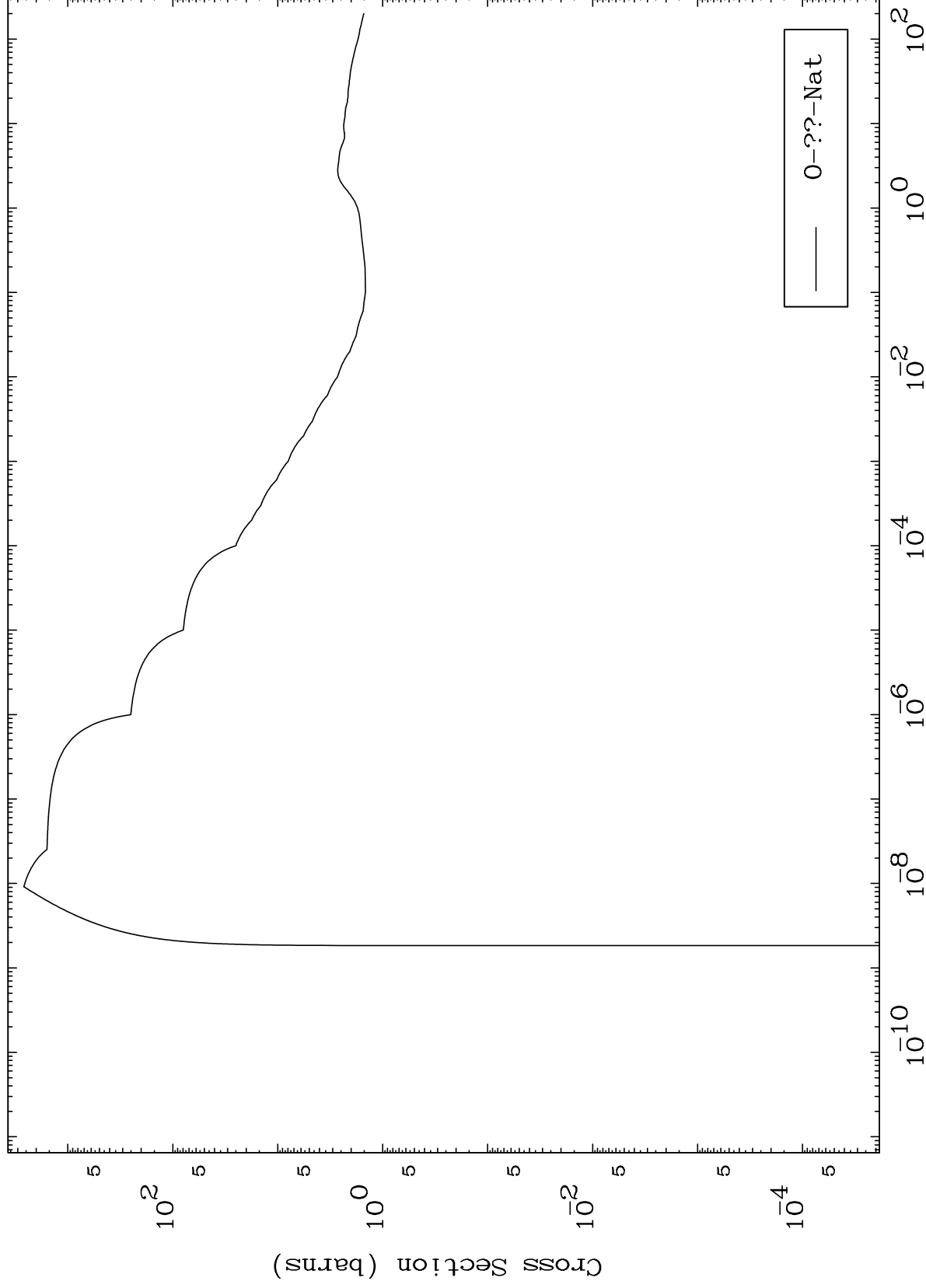
Incident Energy (MeV)

87-Fr-204m

MAT 8702

87-Fr-204m

Fission
Radionuclide Production Cross Section

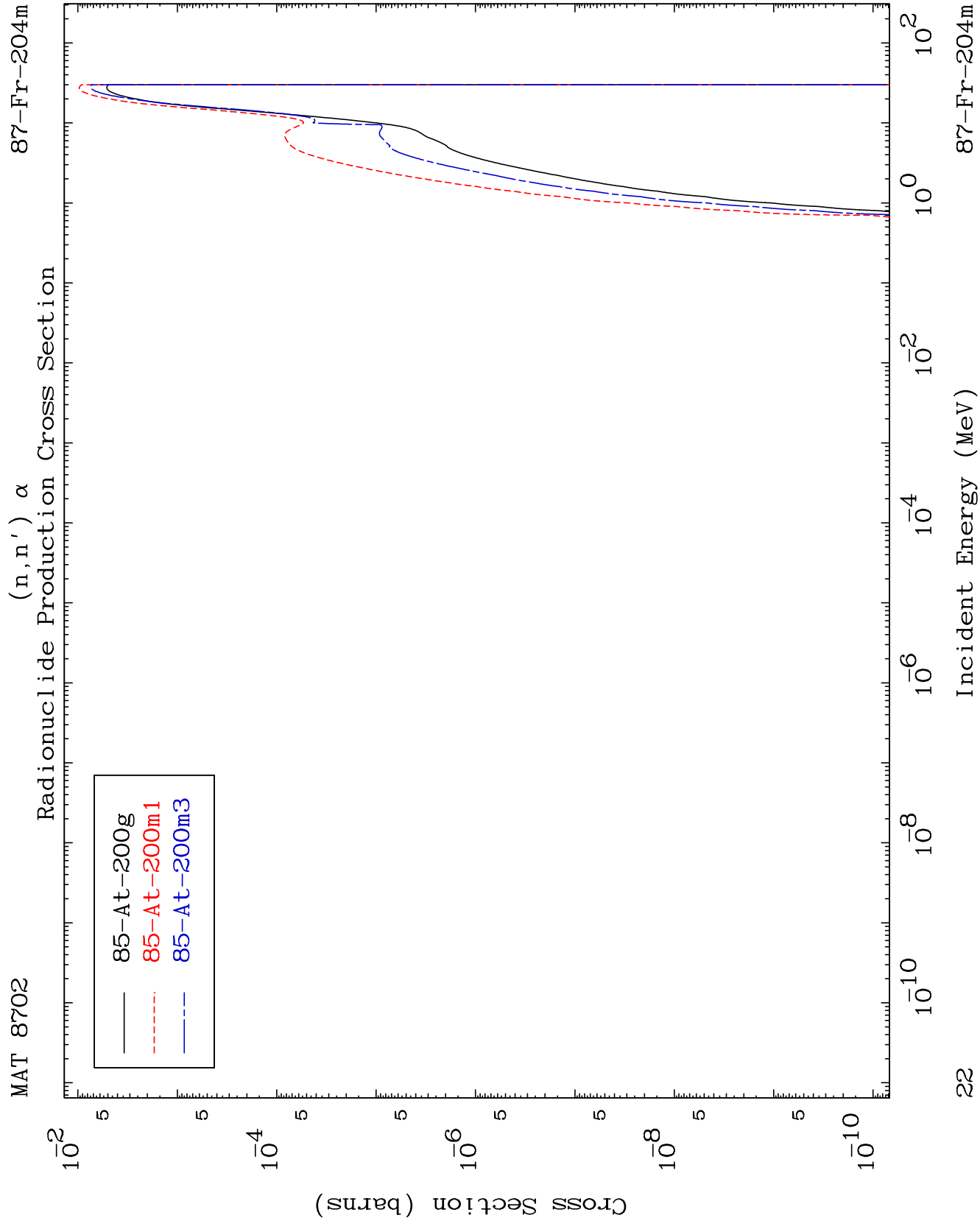


0-??-Nat

21

87-Fr-204m

Incident Energy (MeV)

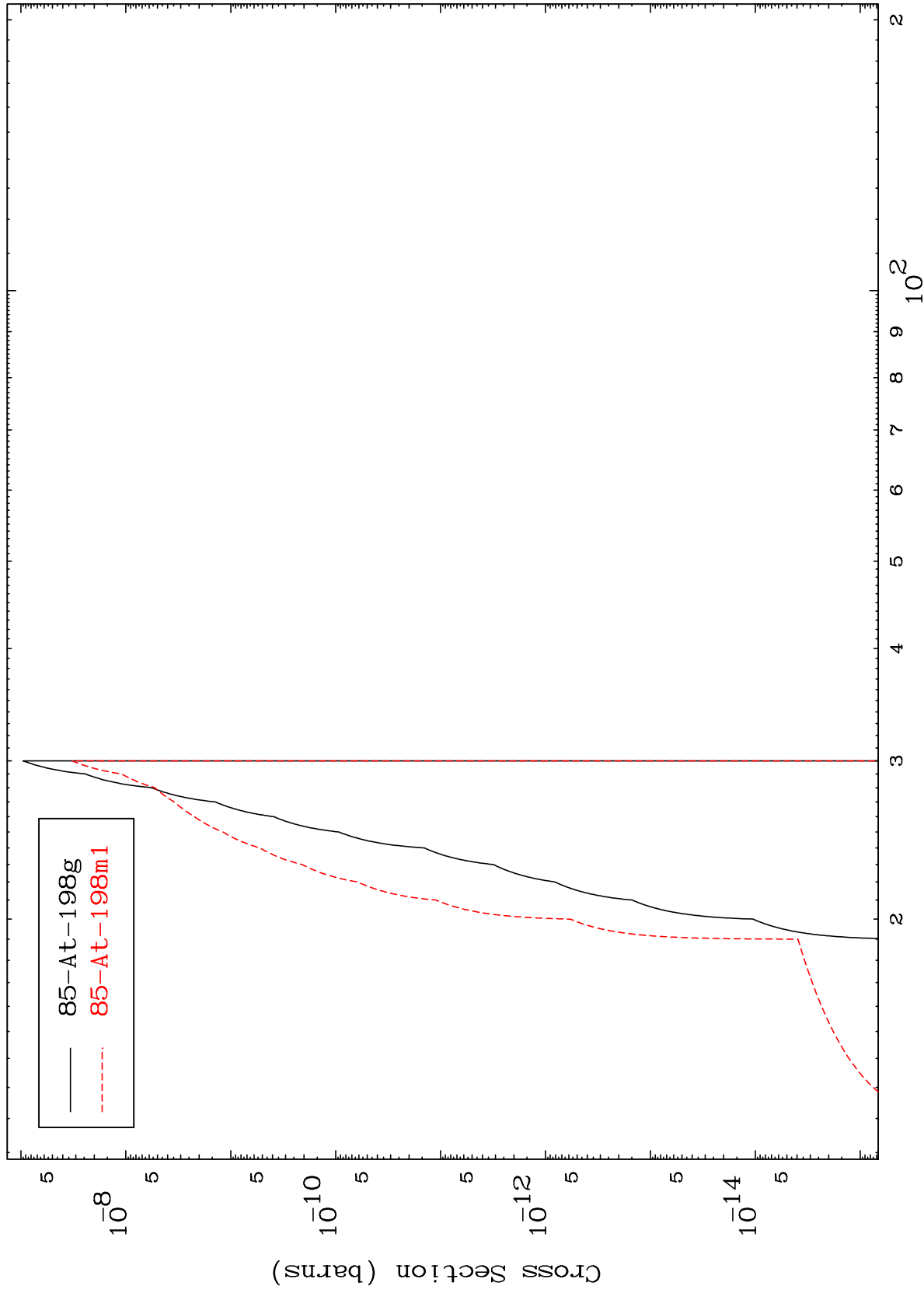


MAT 8702

$(n,3n) \alpha$

$^{87}\text{Fr-204m}$

Radionuclide Production Cross Section



23

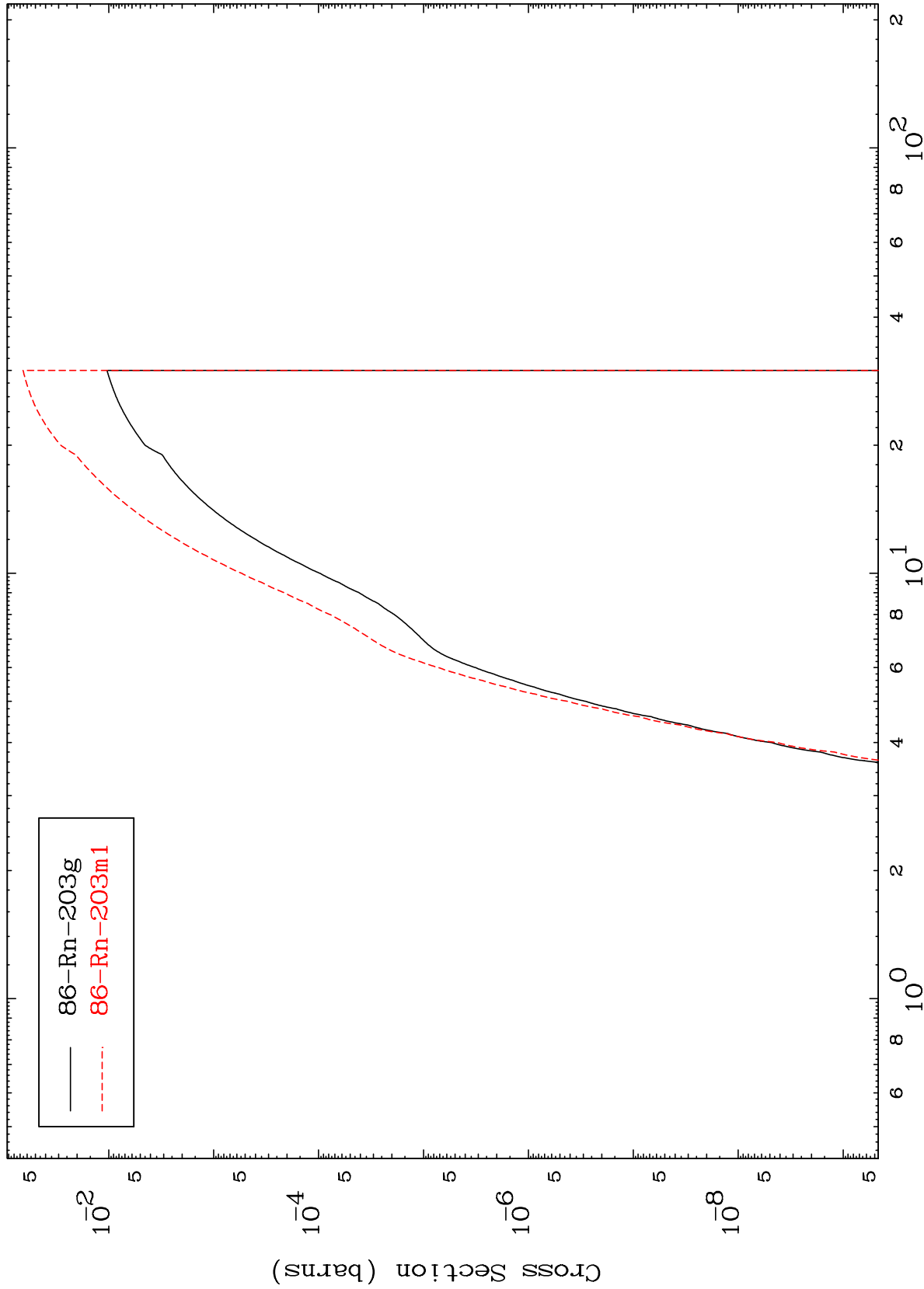
Incident Energy (MeV)

$^{87}\text{Fr-204m}$

MAT 8702

87-Fr-204m

(n,n') p
Radionuclide Production Cross Section



24

Incident Energy (MeV)

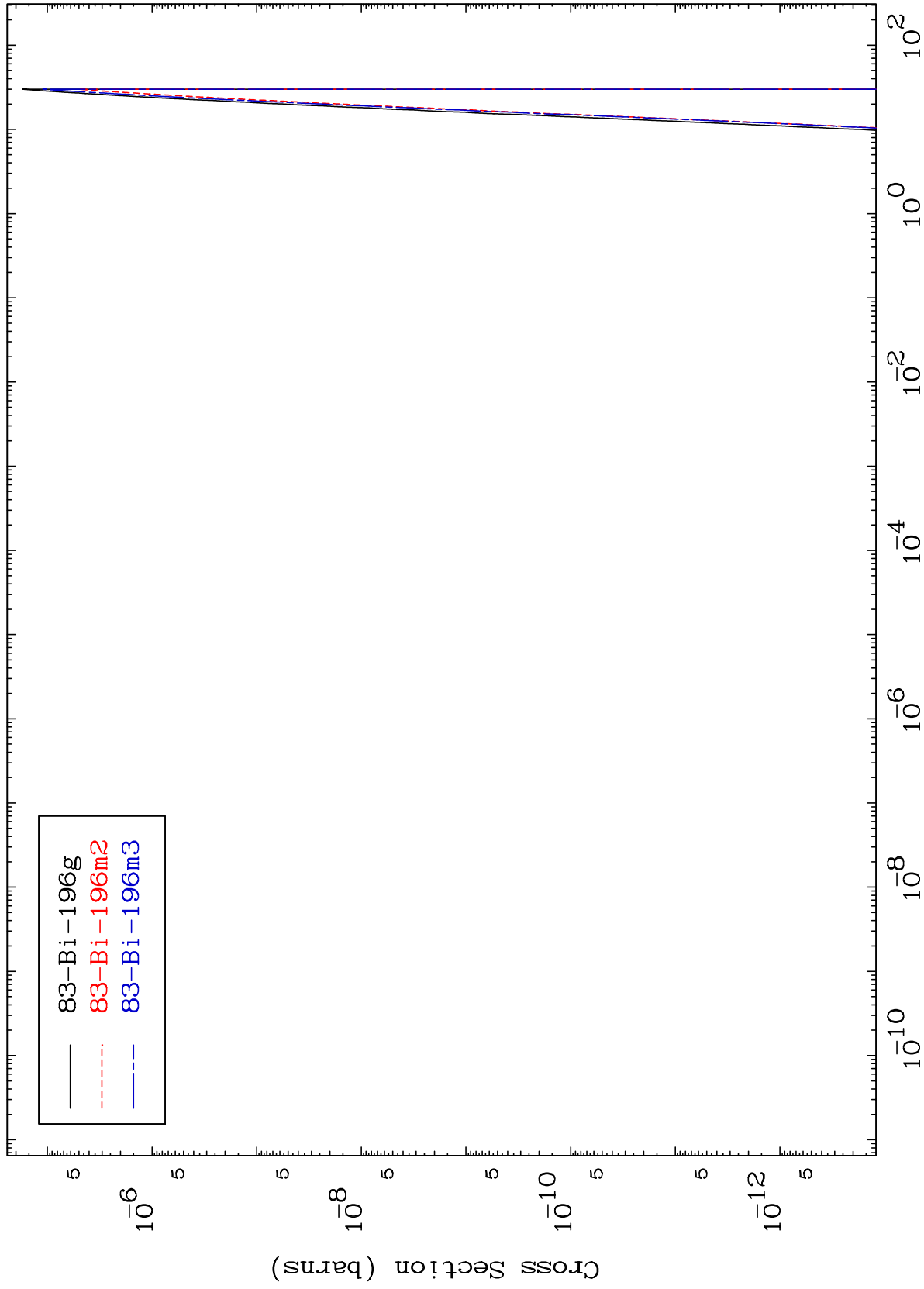
87-Fr-204m

MAT 8702

(n,n') 2 α

87-Fr-204m

Radionuclide Production Cross Section



25

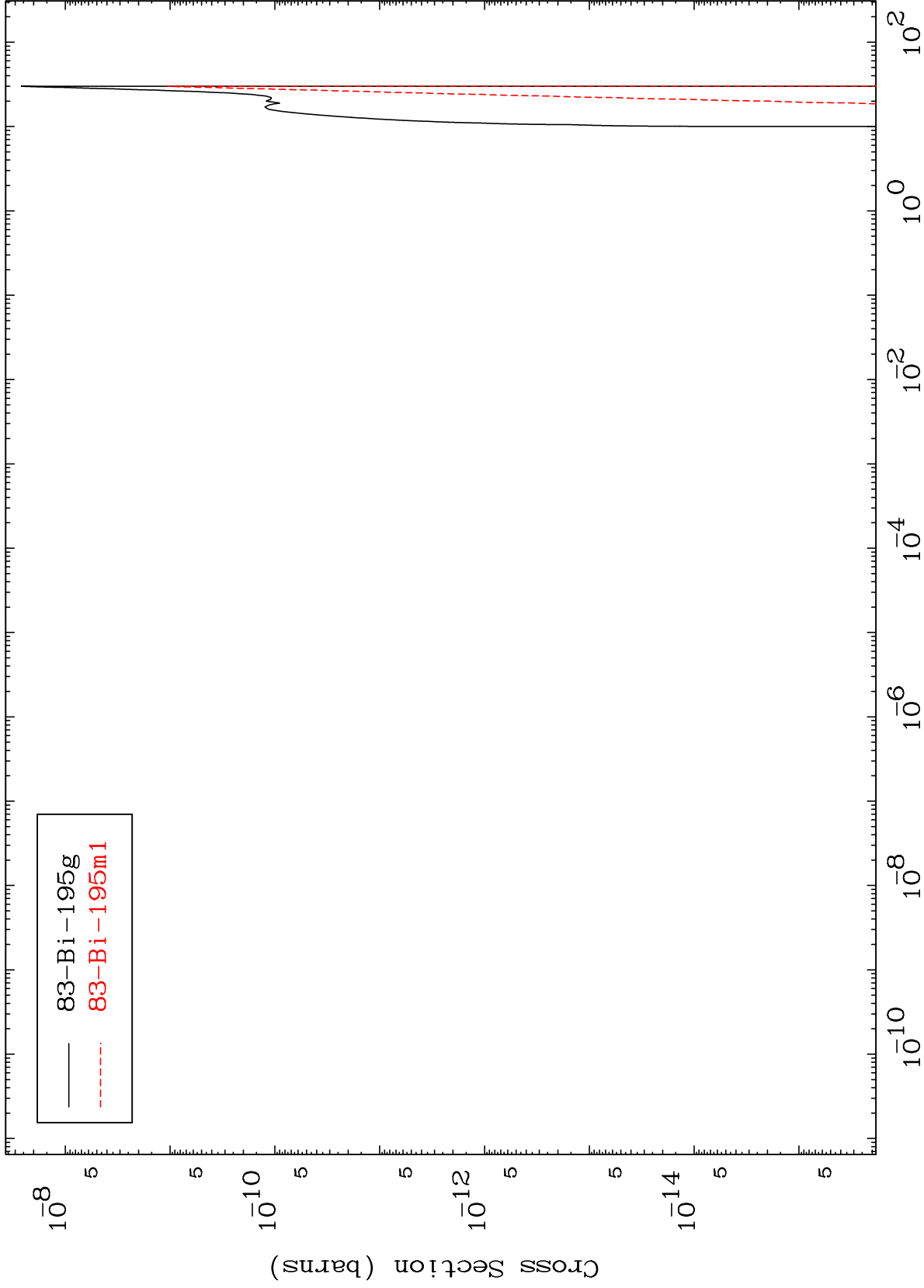
Incident Energy (MeV)

87-Fr-204m

MAT 8702

(n,2n) 2α
Radionuclide Production Cross Section

87-Fr-204m



26

Incident Energy (MeV)

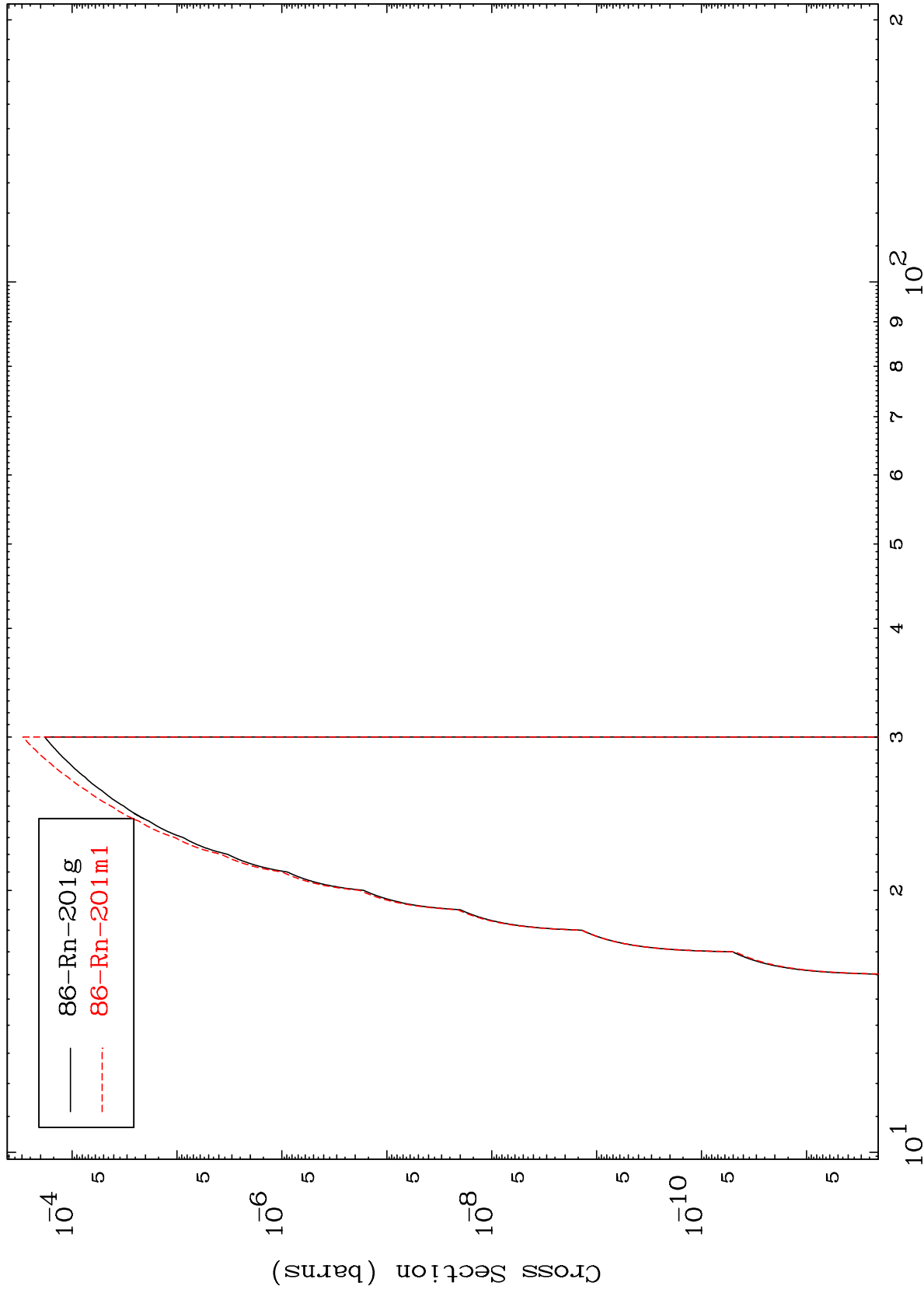
87-Fr-204m

MAT 8702

(n,n') t

87-Fr-204m

Radionuclide Production Cross Section



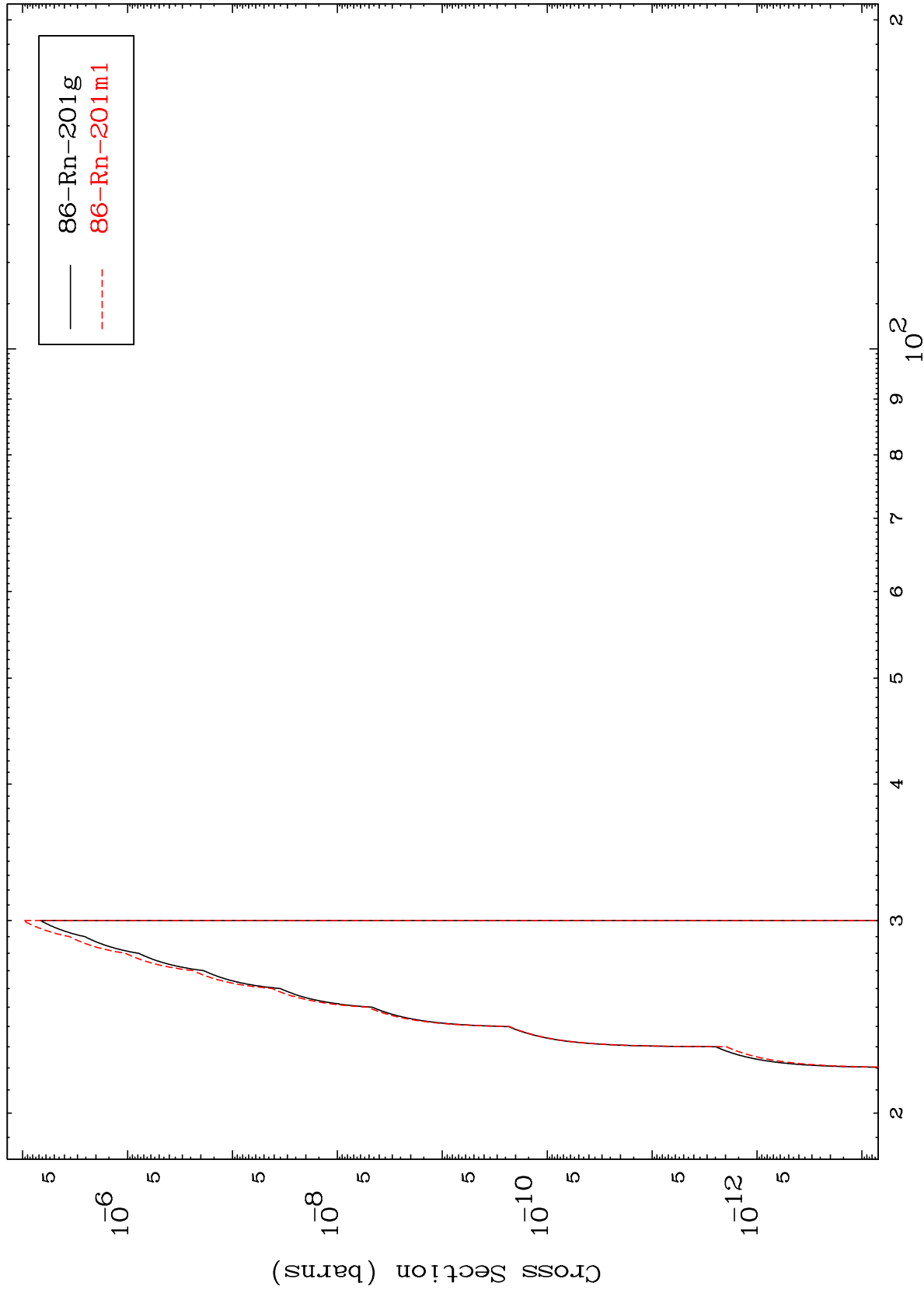
Incident Energy (MeV)

87-Fr-204m

MAT 8702

87-Fr-204m

(n,3n) p
Radionuclide Production Cross Section



28

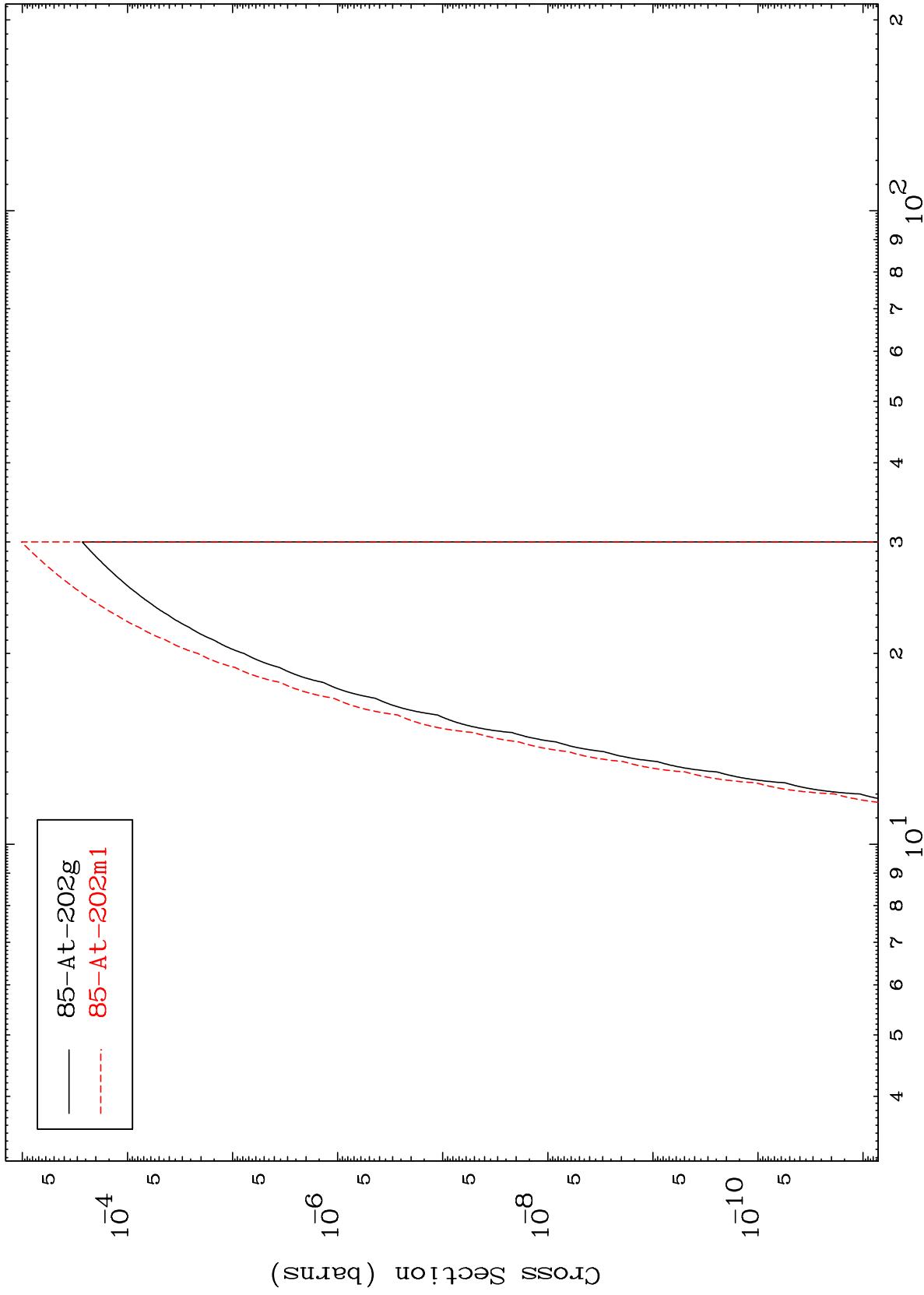
Incident Energy (MeV)

87-Fr-204m

MAT 8702

87-Fr-204m

(n,2n) p
Radionuclide Production Cross Section



29

Incident Energy (MeV)

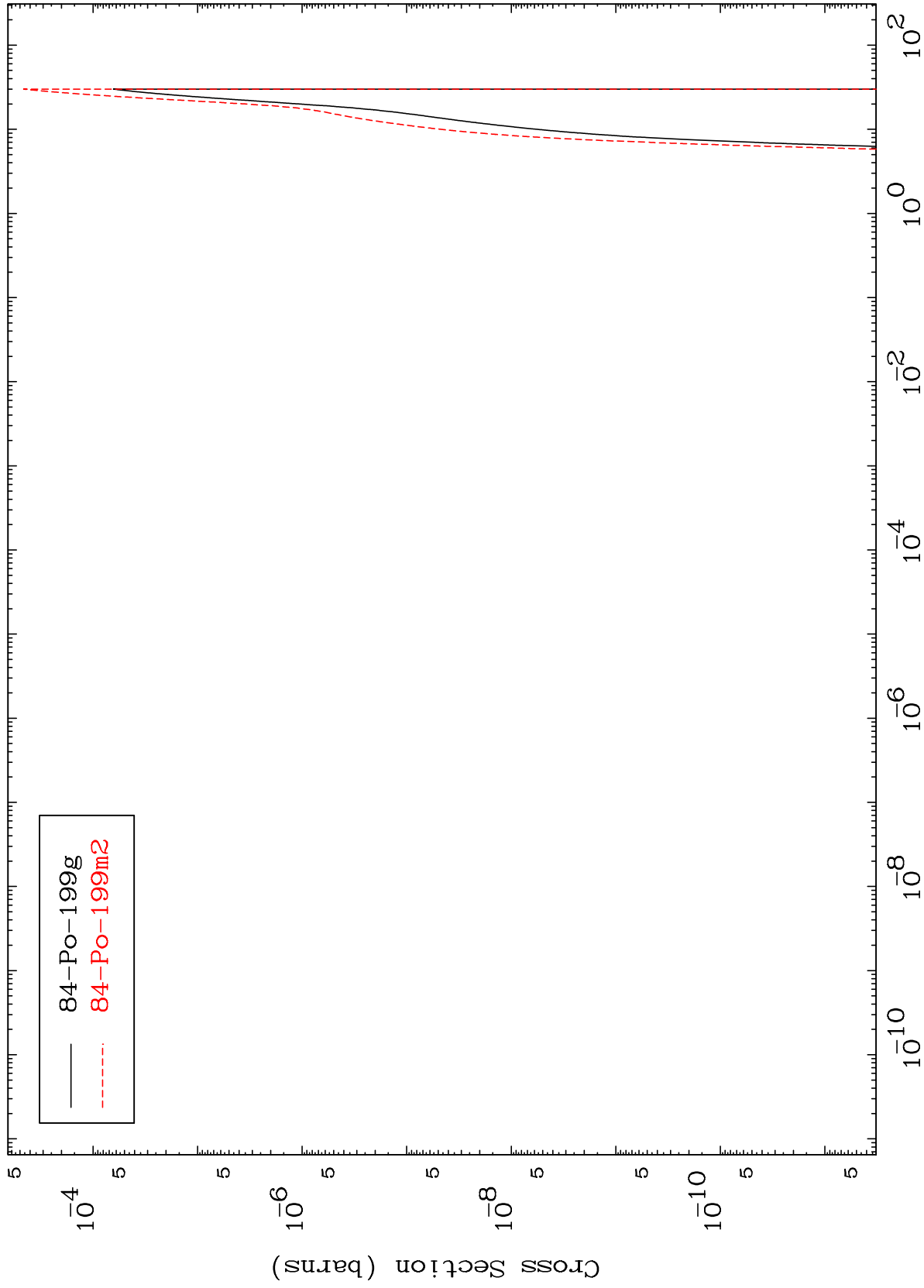
87-Fr-204m

MAT 8702

(n,n') p α

87-Fr-204m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

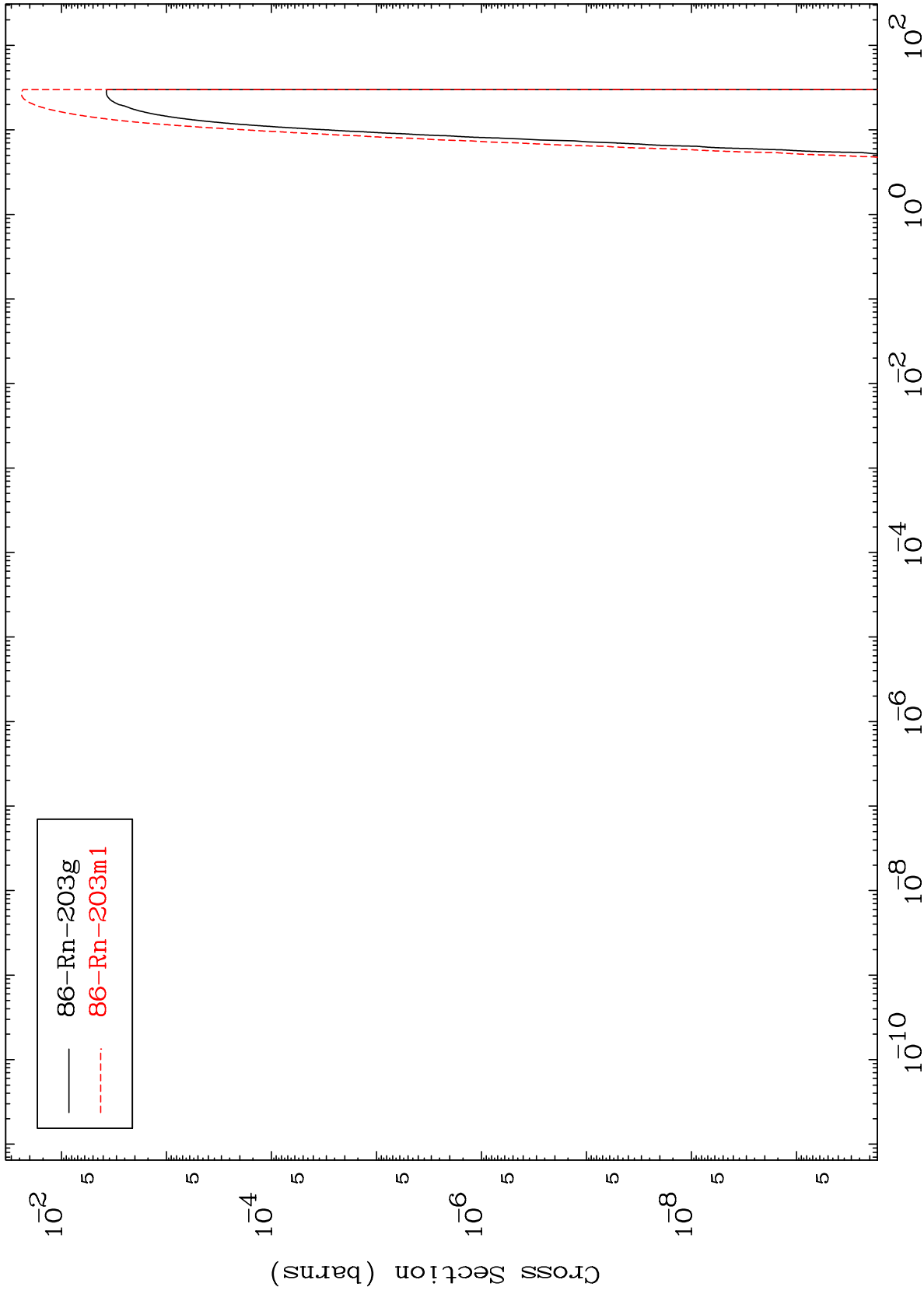
87-Fr-204m

MAT 8702

(n,d)

Radionuclide Production Cross Section

87-Fr-204m



31

Incident Energy (MeV)

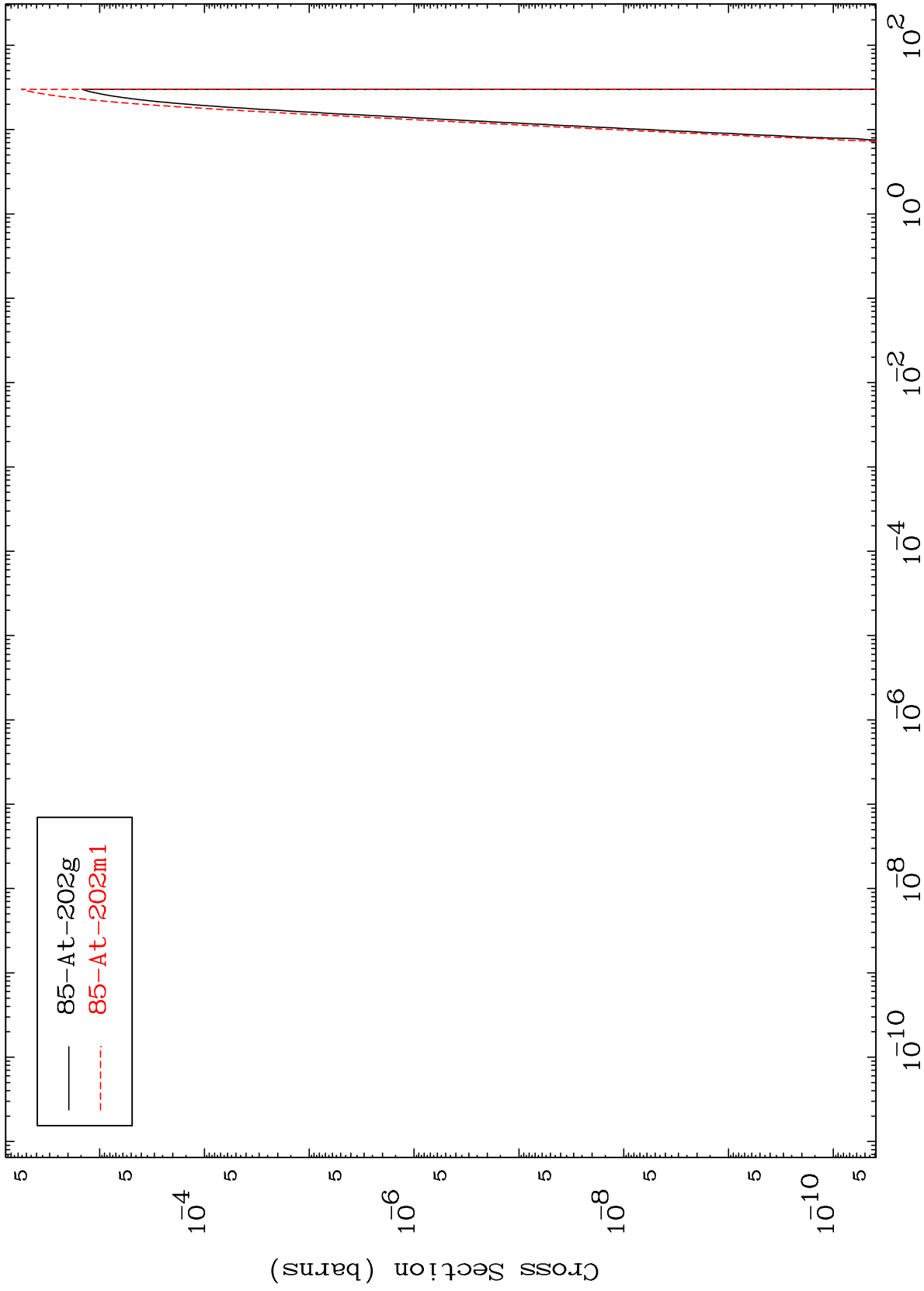
87-Fr-204m

MAT 8702

(n,He-3)

87-Fr-204m

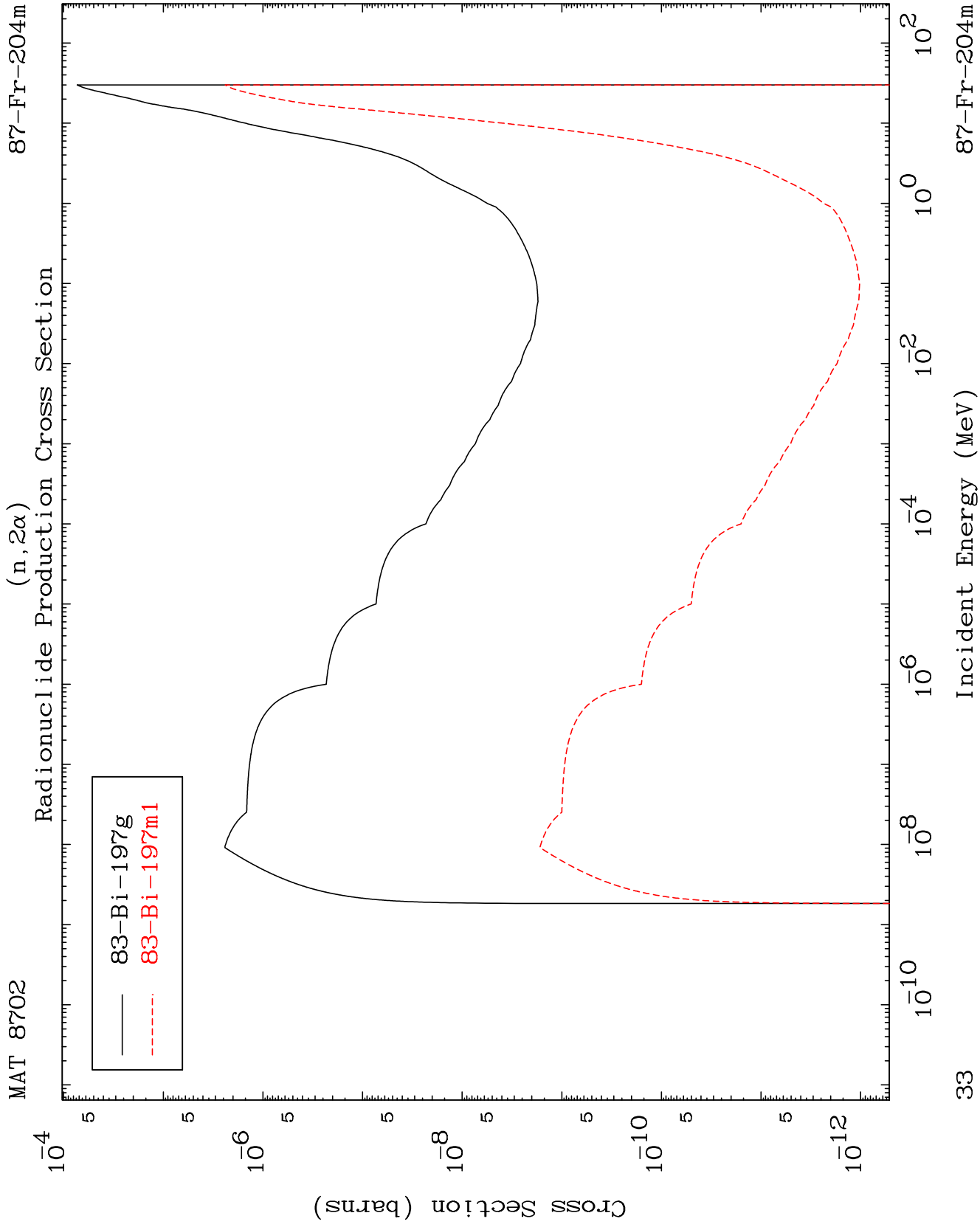
Radionuclide Production Cross Section



32

Incident Energy (MeV)

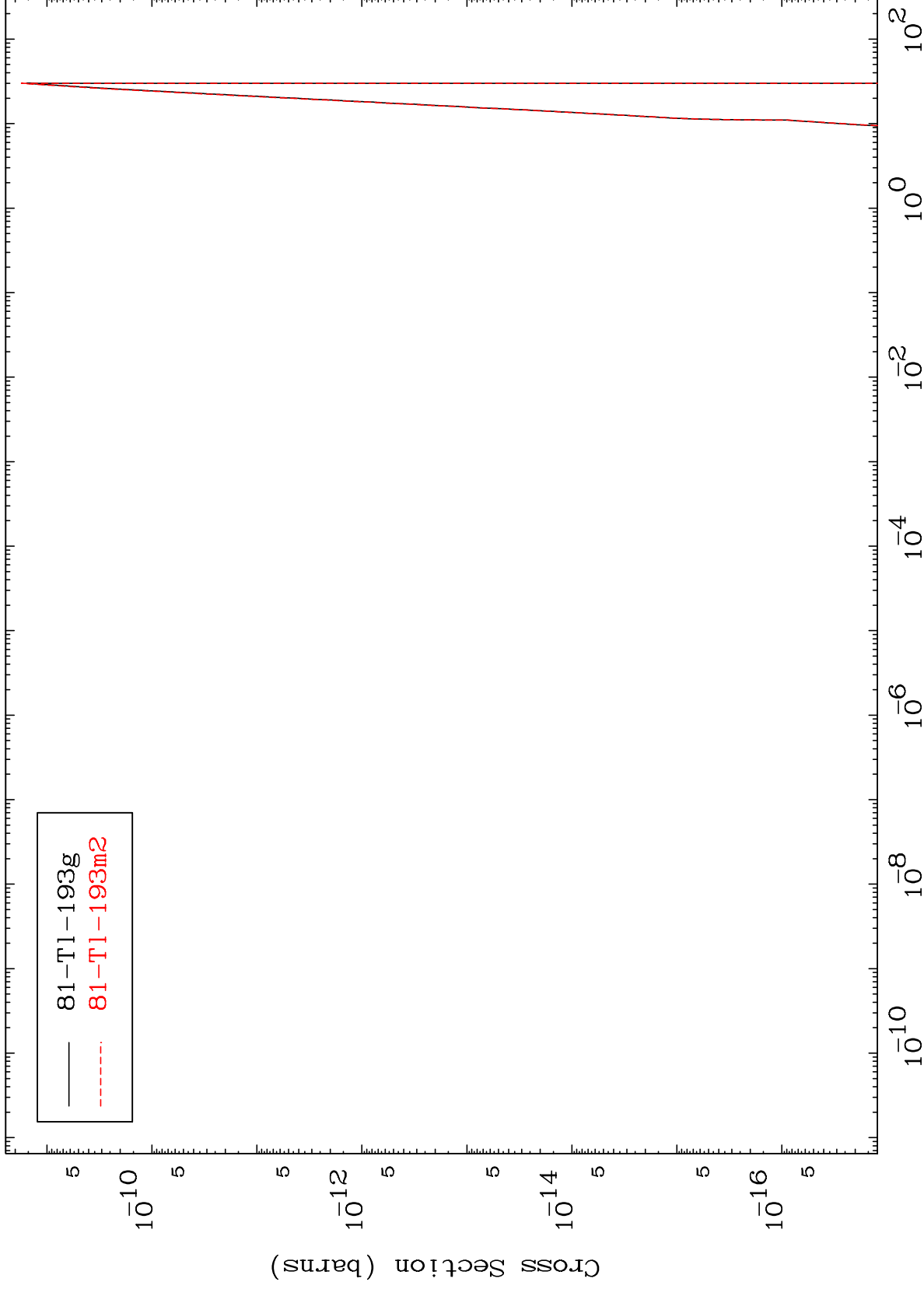
87-Fr-204m



MAT 8702

(n,3 α)
Radionuclide Production Cross Section

87-Fr-204m



34

Incident Energy (MeV)

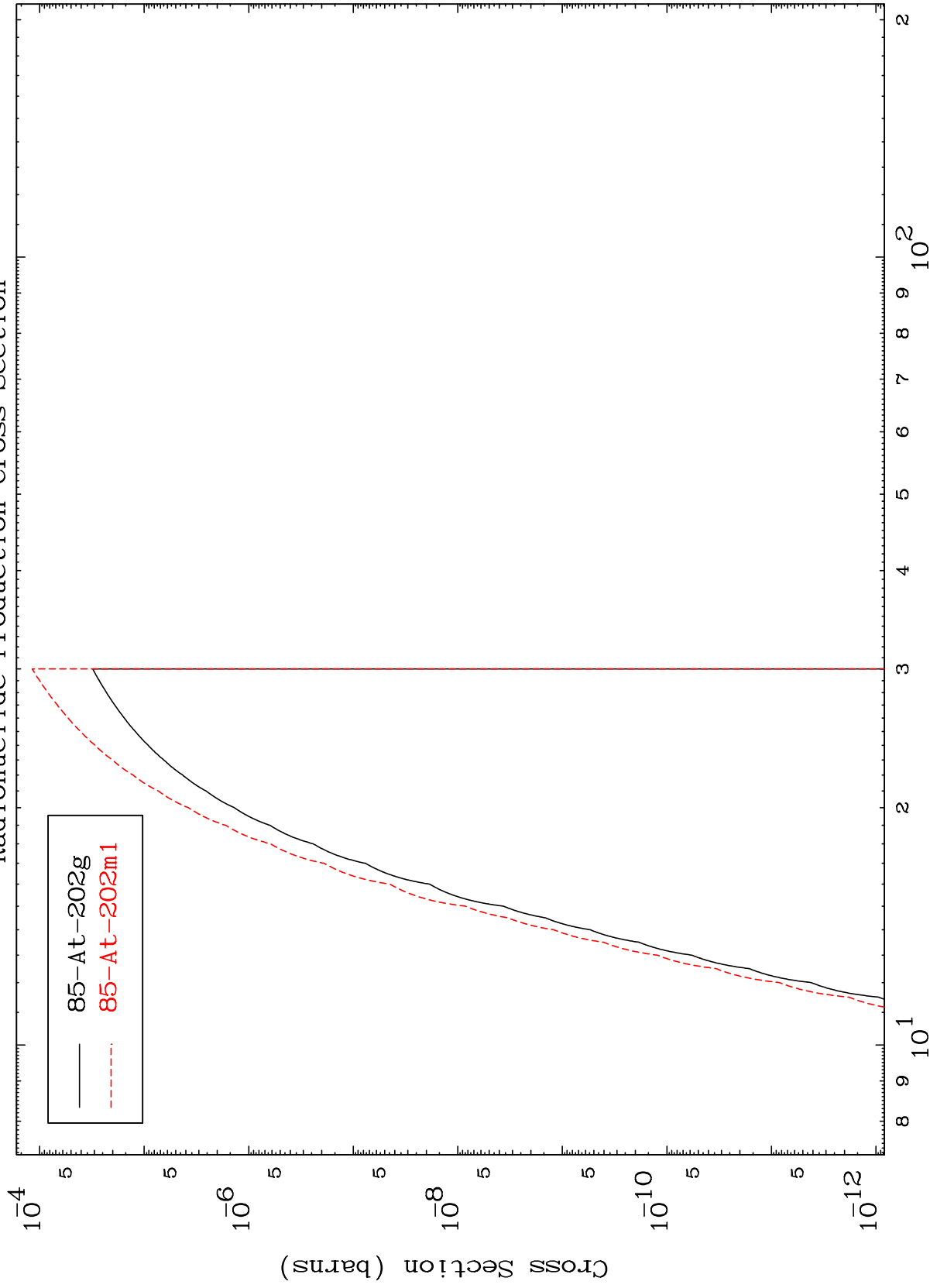
87-Fr-204m

MAT 8702

(n,p) d

87-Fr-204m

Radionuclide Production Cross Section



35

Incident Energy (MeV)

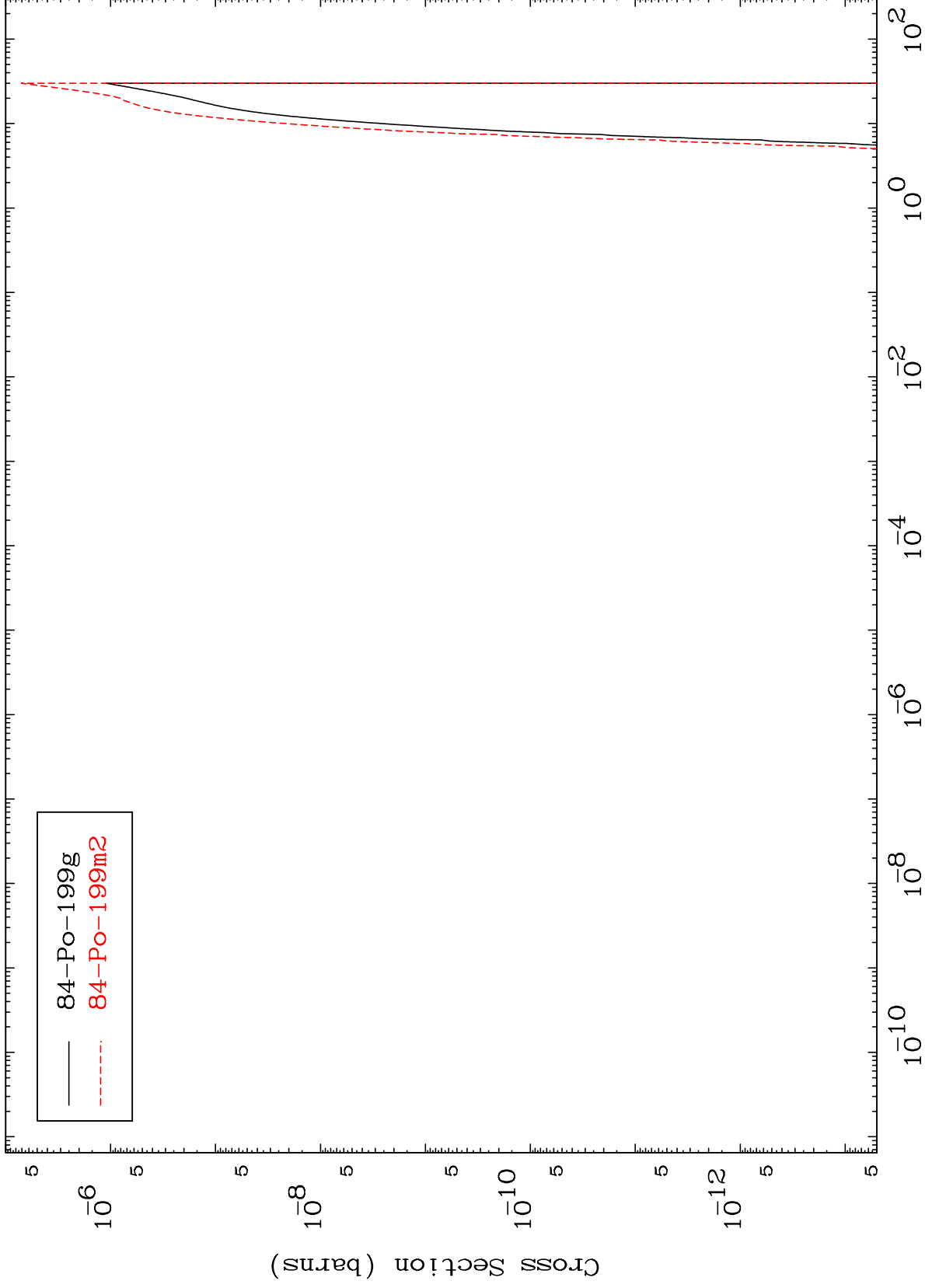
87-Fr-204m

MAT 8702

(n,d) α

87-Fr-204m

Radionuclide Production Cross Section



36

Incident Energy (MeV)

87-Fr-204m