

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

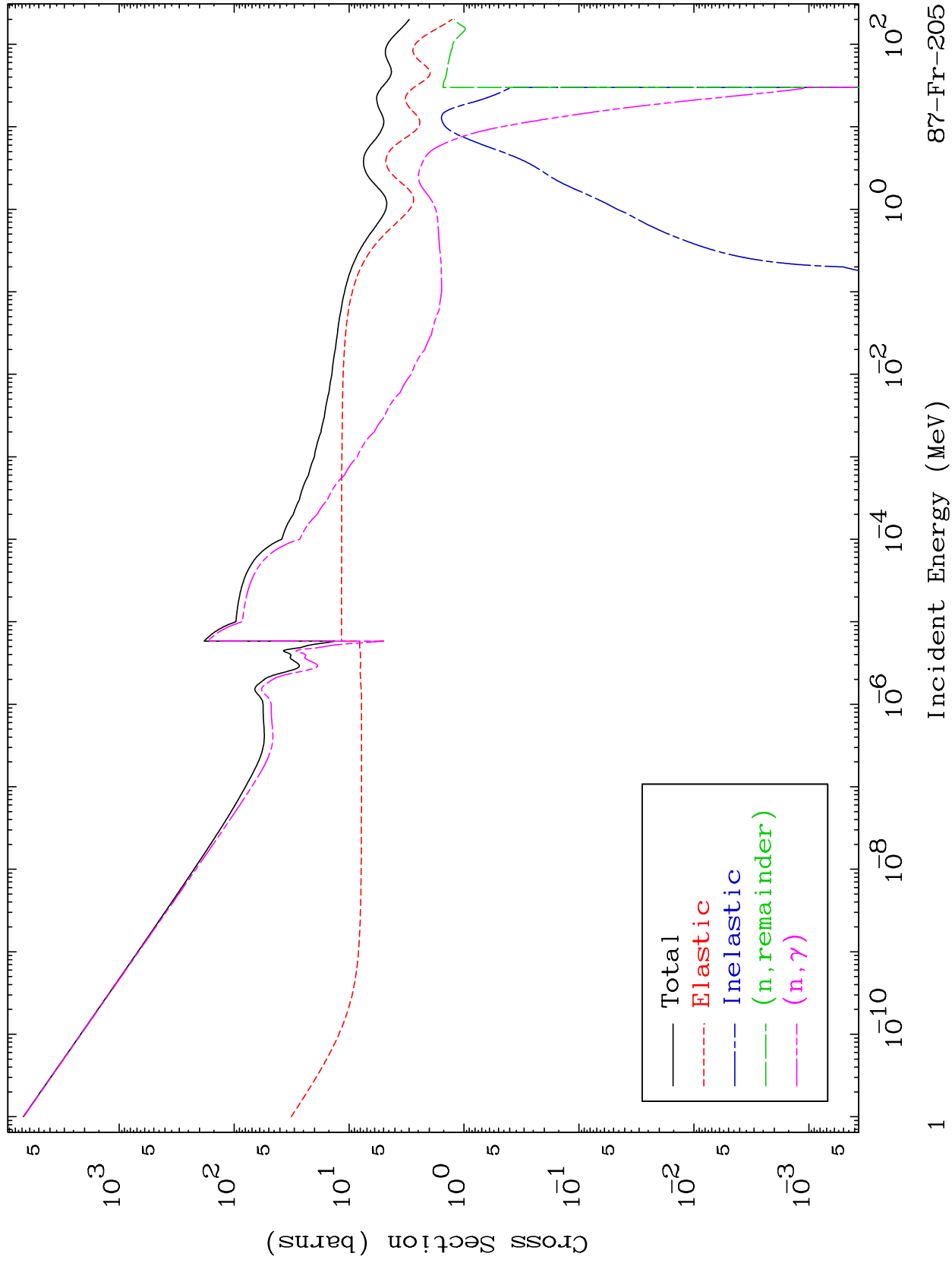
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8704

Major
293 Kelvin Cross Sections

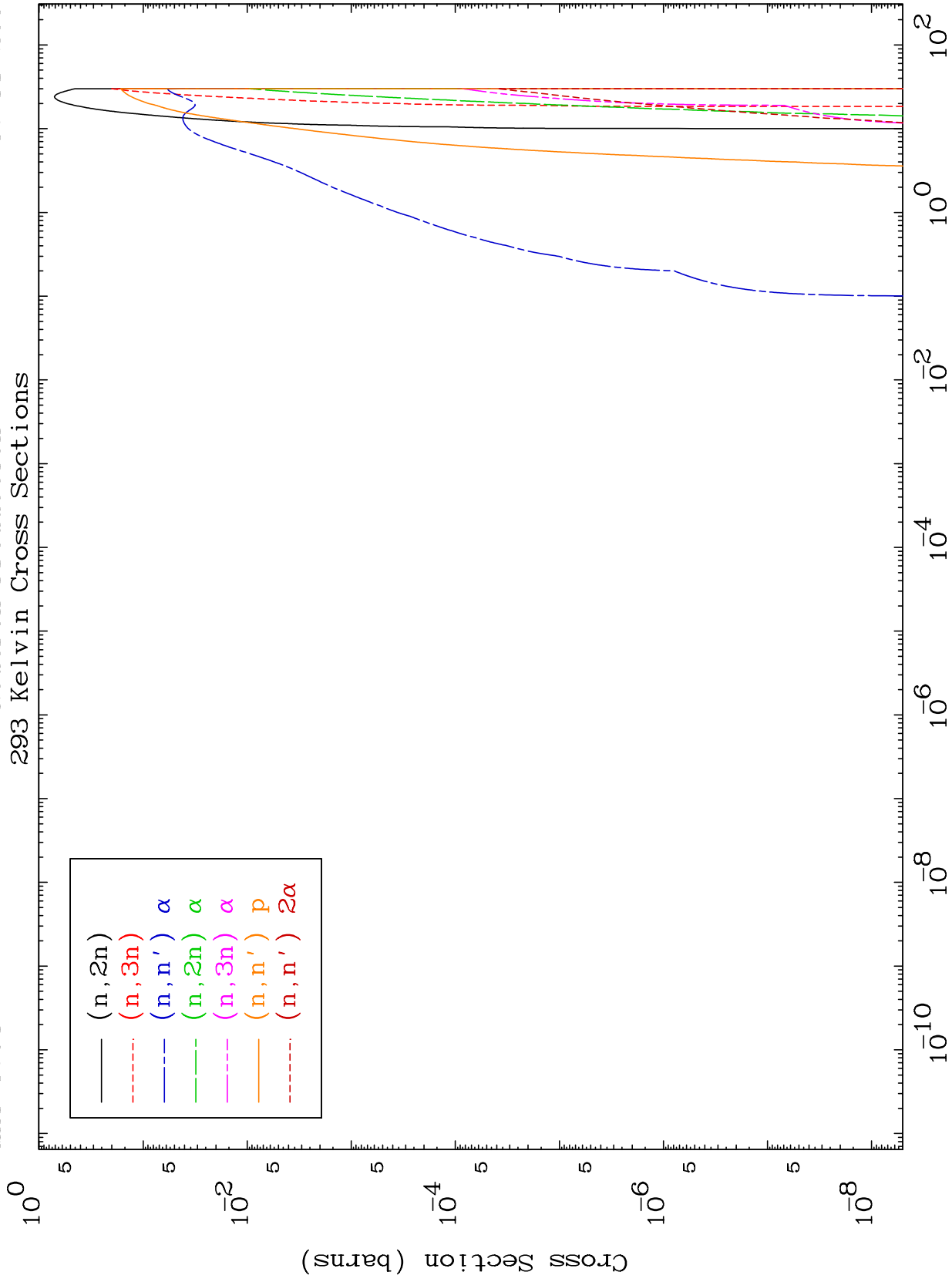
87-Fr-205



MAT 8704

Neutron Production
293 Kelvin Cross Sections

87-Fr-205



2

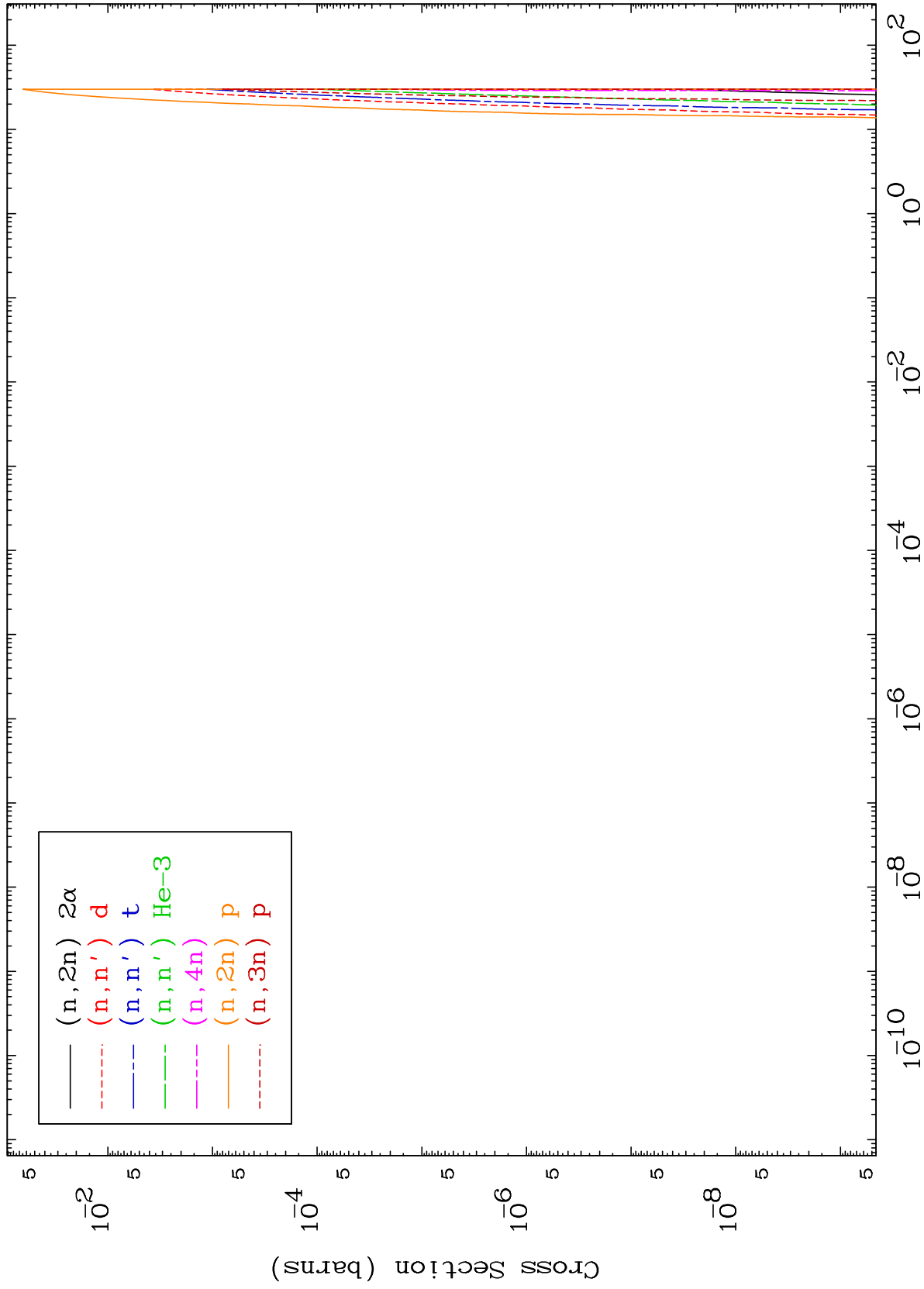
Incident Energy (MeV)

87-Fr-205

MAT 8704

Neutron Production
293 Kelvin Cross Sections

87-Fr-205



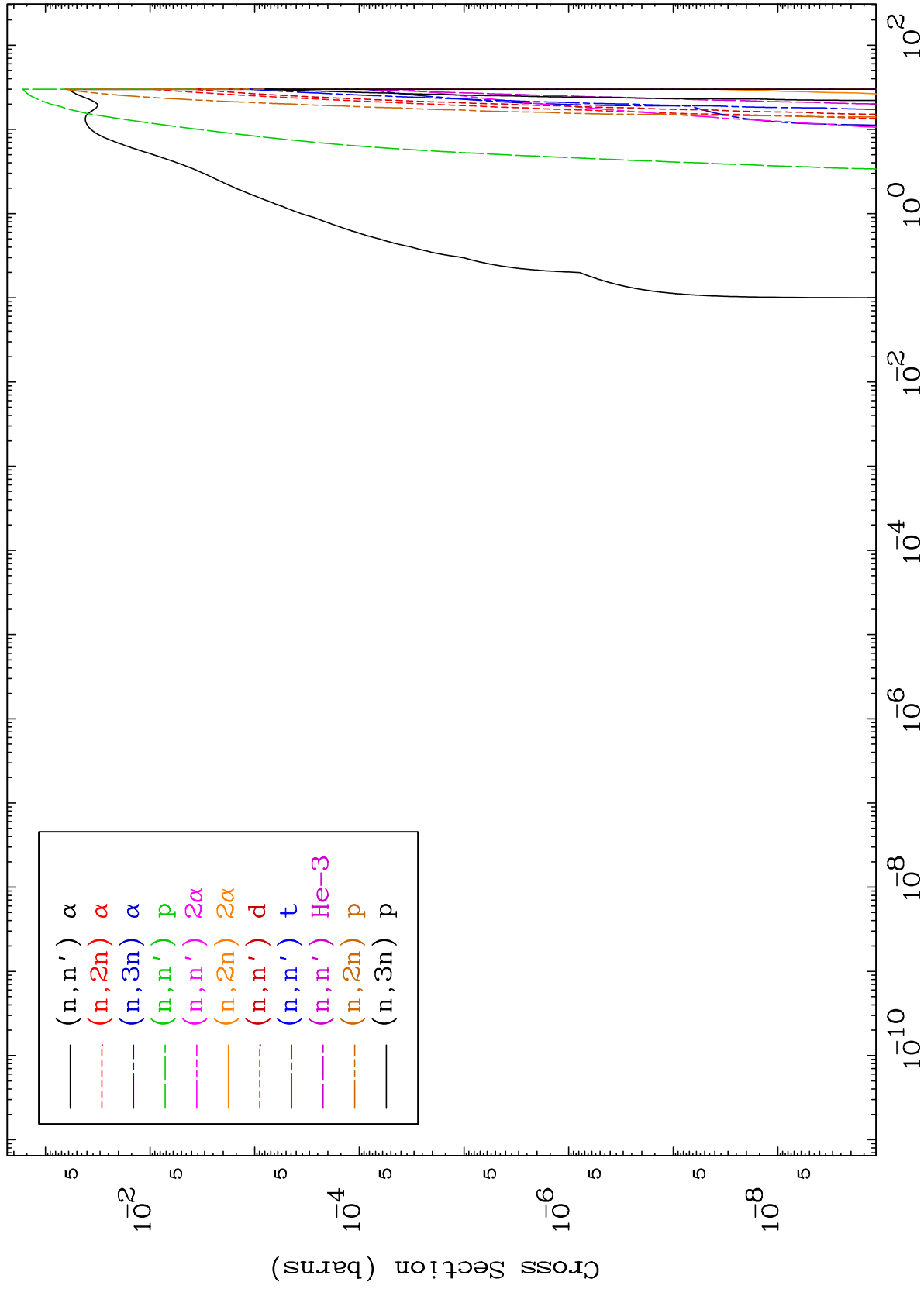
3

87-Fr-205

MAT 8704

Charged Particle
293 Kelvin Cross Sections

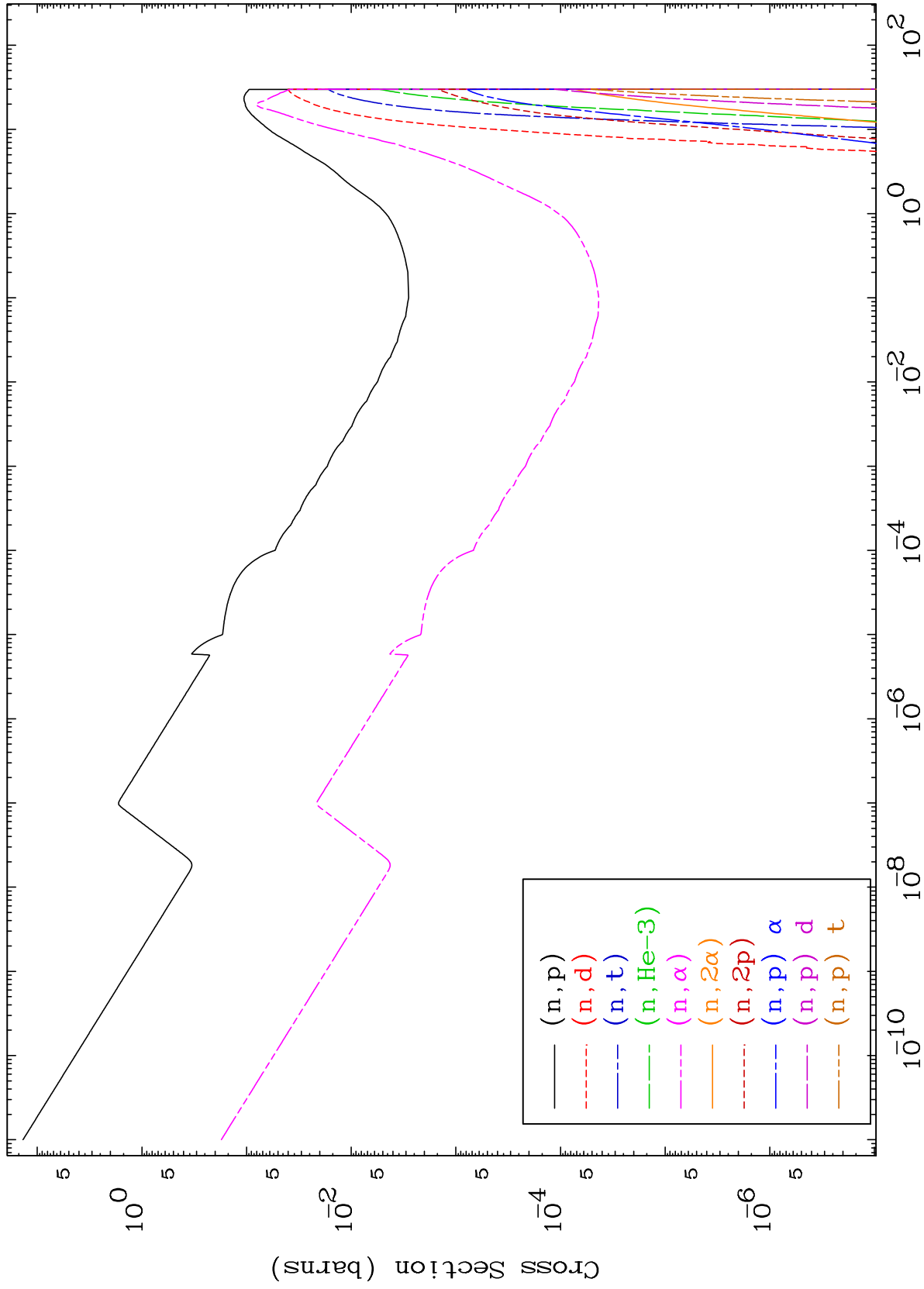
87-Fr-205



MAT 8704

293 Kelvin Cross Sections

87-Fr-205



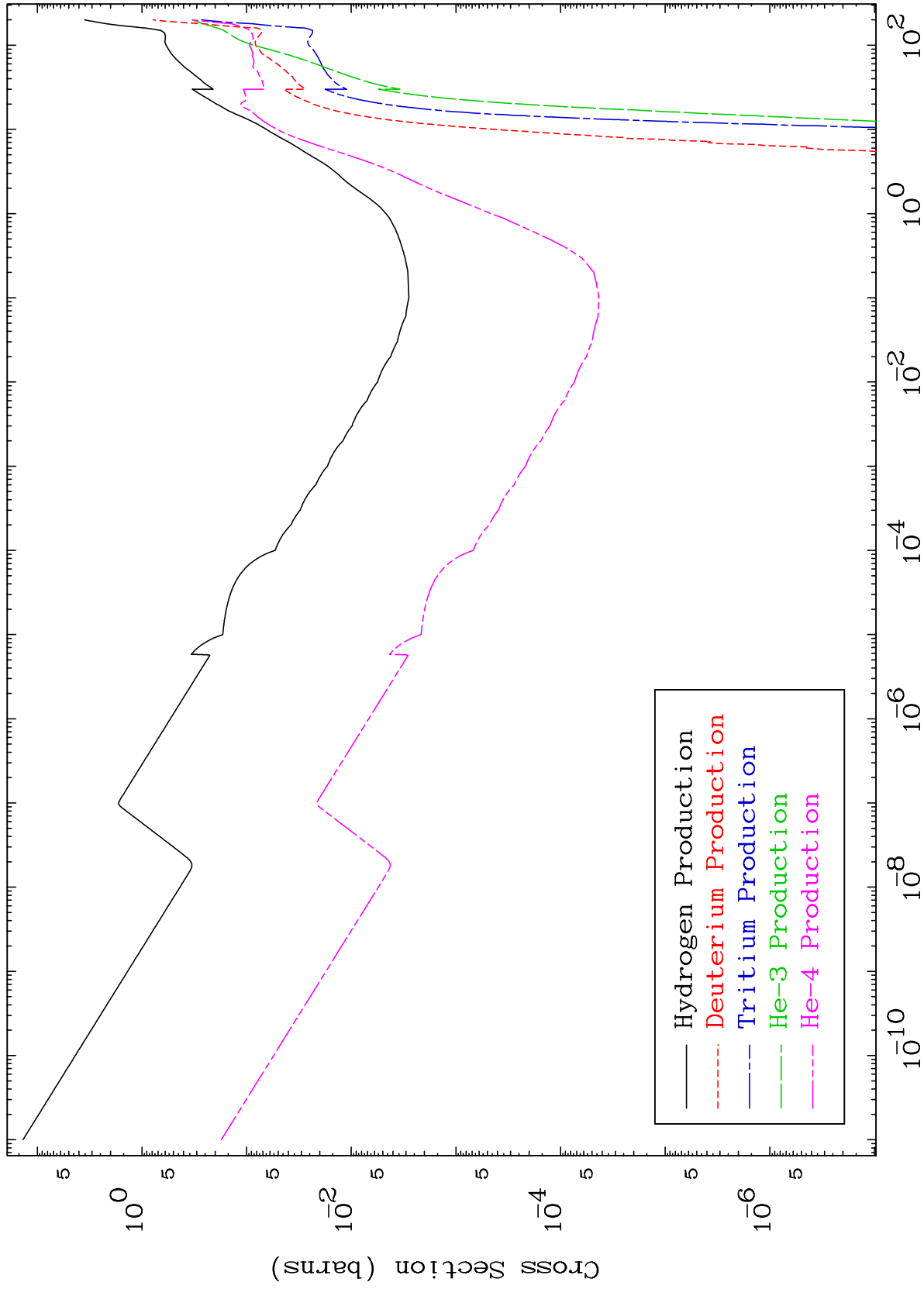
5

87-Fr-205

MAT 8704

Particle Production
293 Kelvin Cross Sections

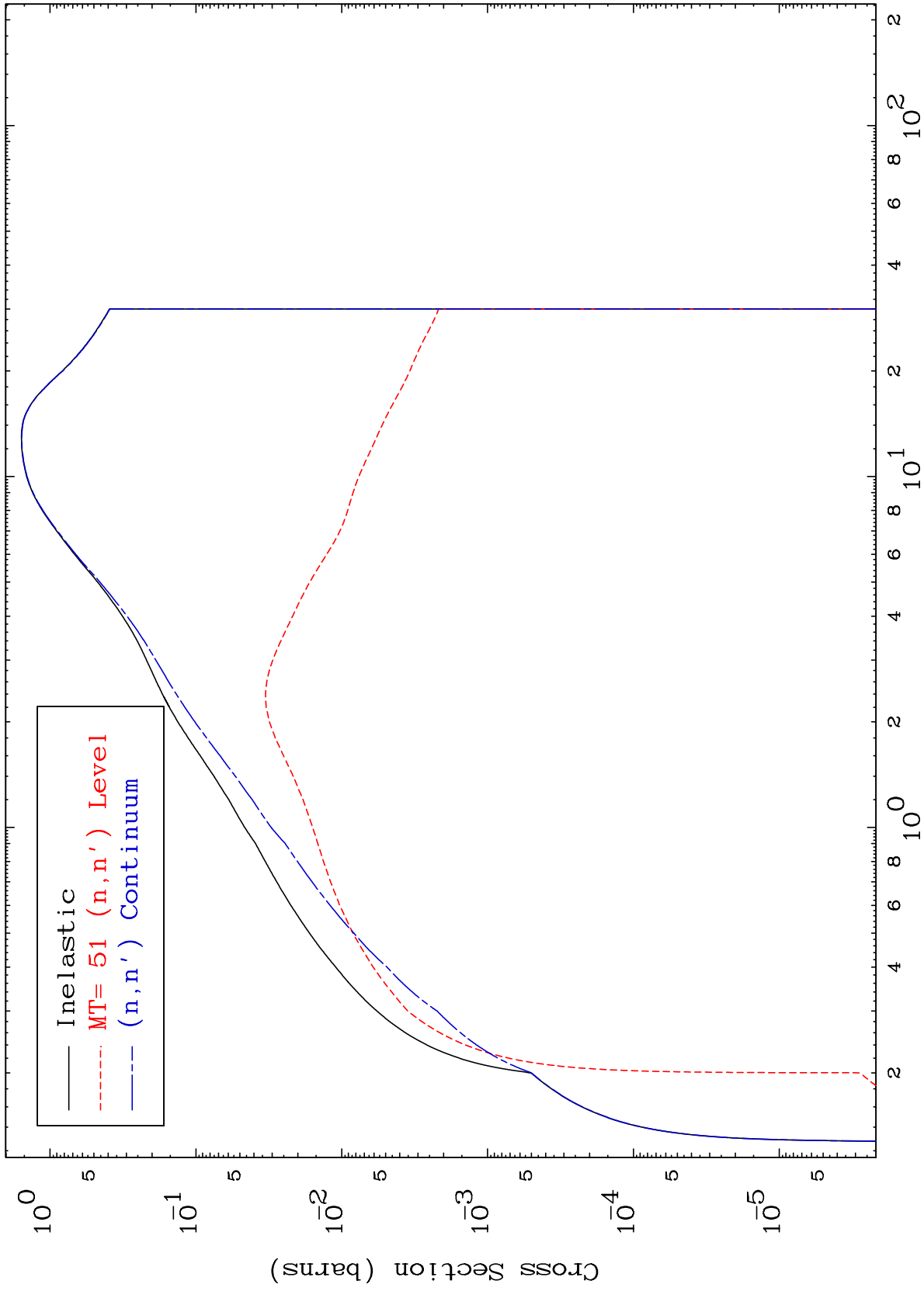
87-Fr-205



MAT 8704

87-Fr-205

(n,n') Level
293 Kelvin Cross Sections



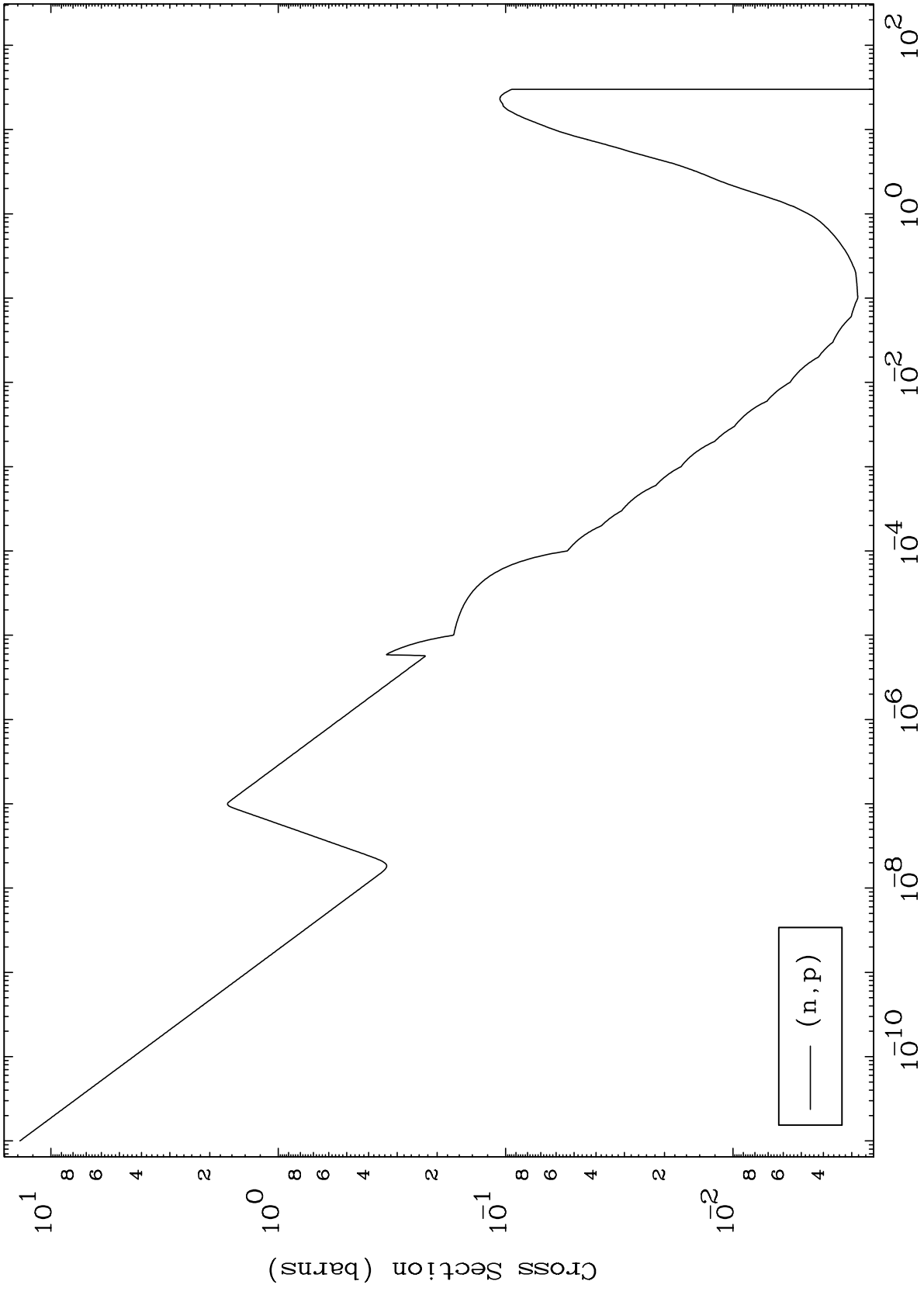
7

87-Fr-205

MAT 8704

(n,p) Levels
293 Kelvin Cross Sections

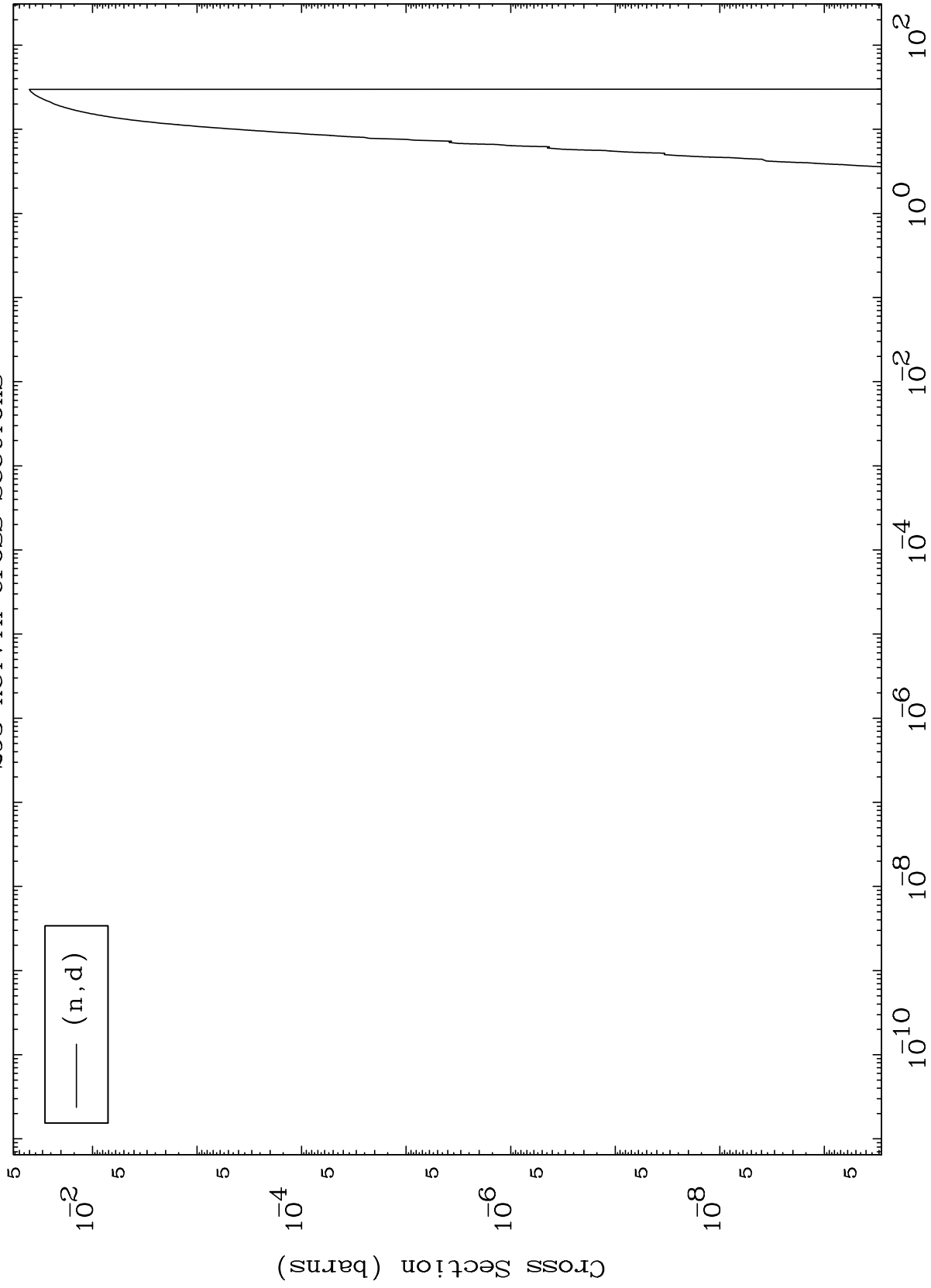
87-Fr-205



MAT 8704

(n,d) Levels
293 Kelvin Cross Sections

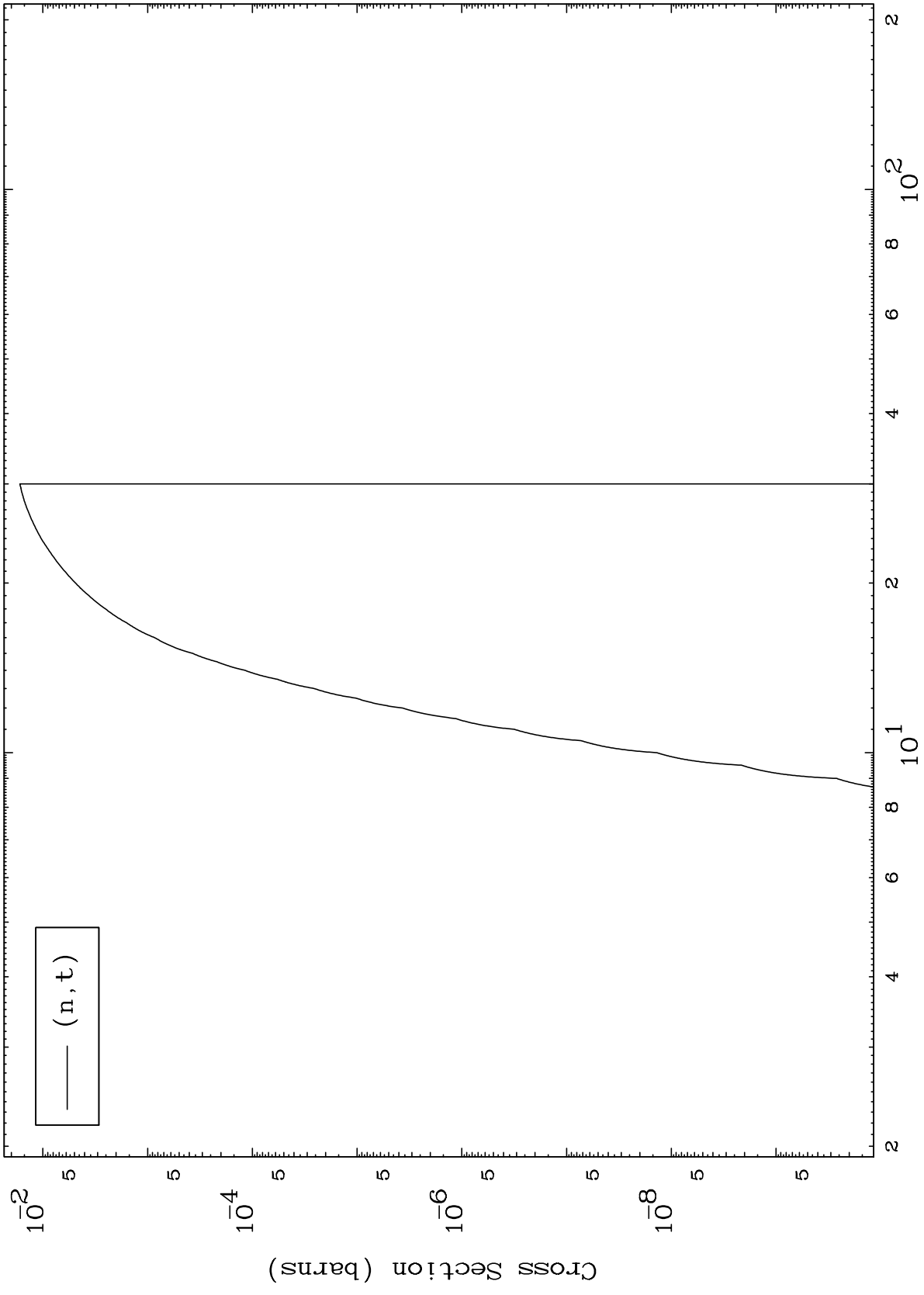
87-Fr-205



MAT 8704

(n,t) Levels
293 Kelvin Cross Sections

87-Fr-205



10

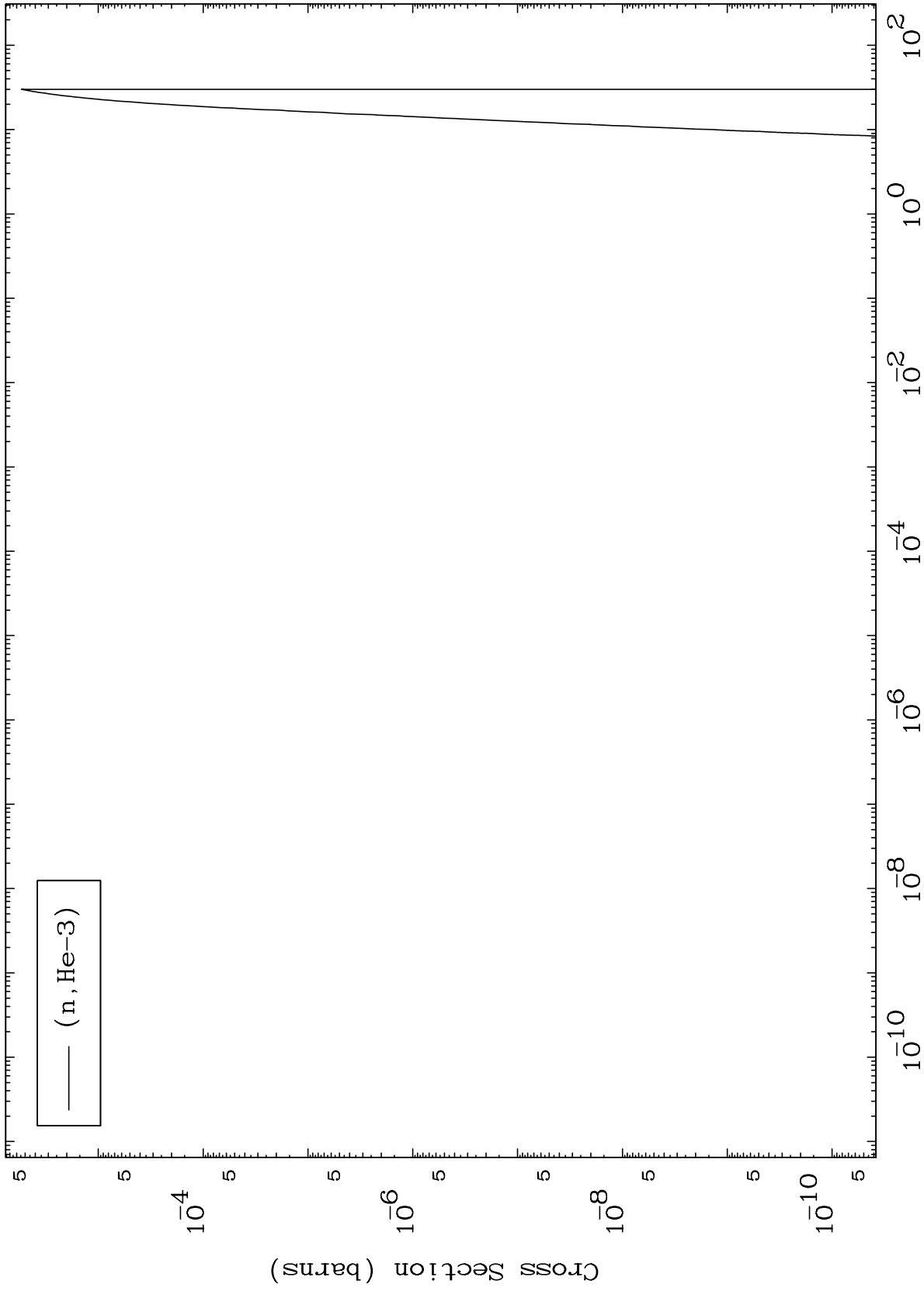
Incident Energy (MeV)

87-Fr-205

MAT 8704

(n,He3) Levels
293 Kelvin Cross Sections

87-Fr-205



11

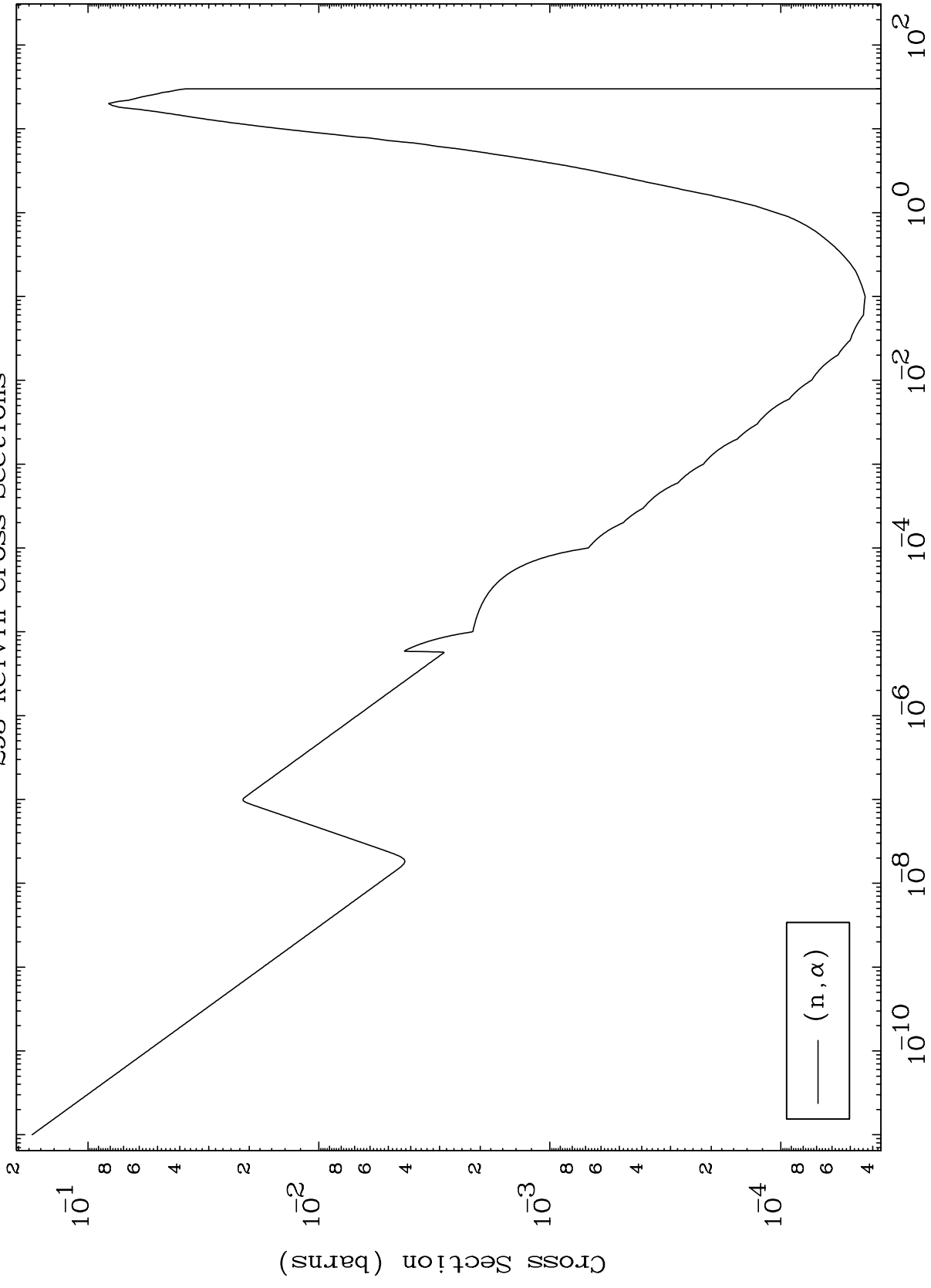
Incident Energy (MeV)

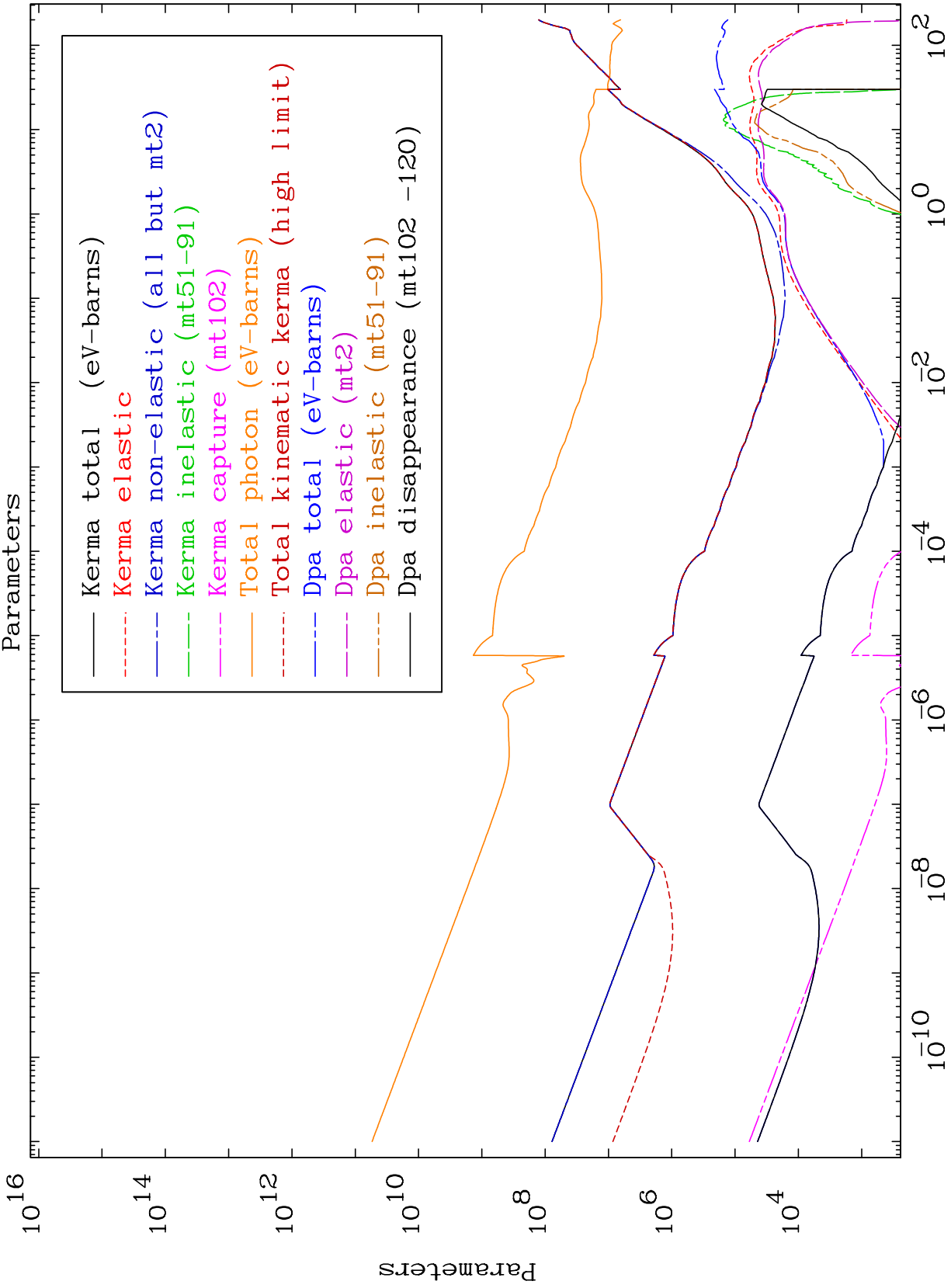
87-Fr-205

MAT 8704

(n,α) Levels
293 Kelvin Cross Sections

87-Fr-205

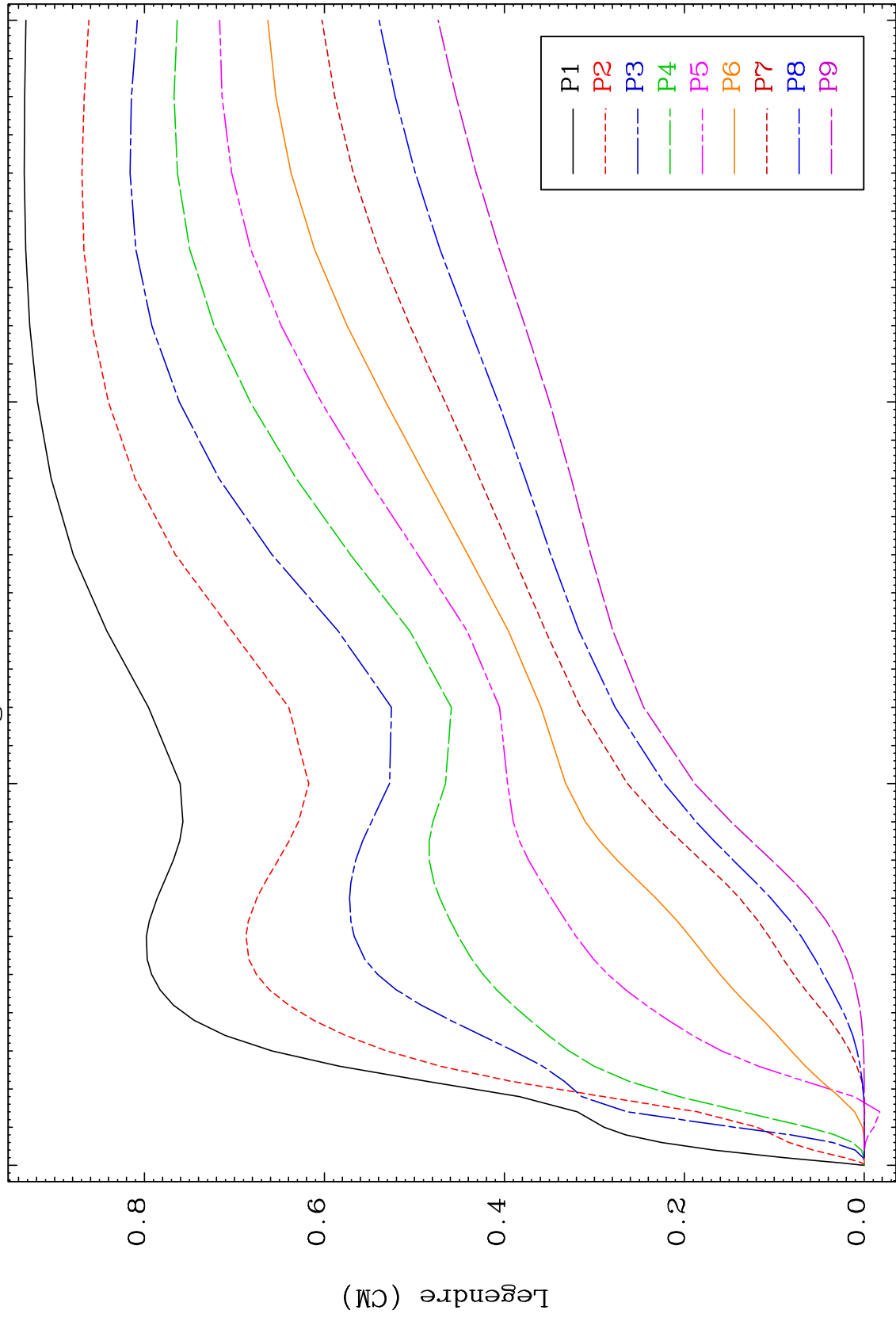




MAT 8704

Elastic Legendre Coefficients

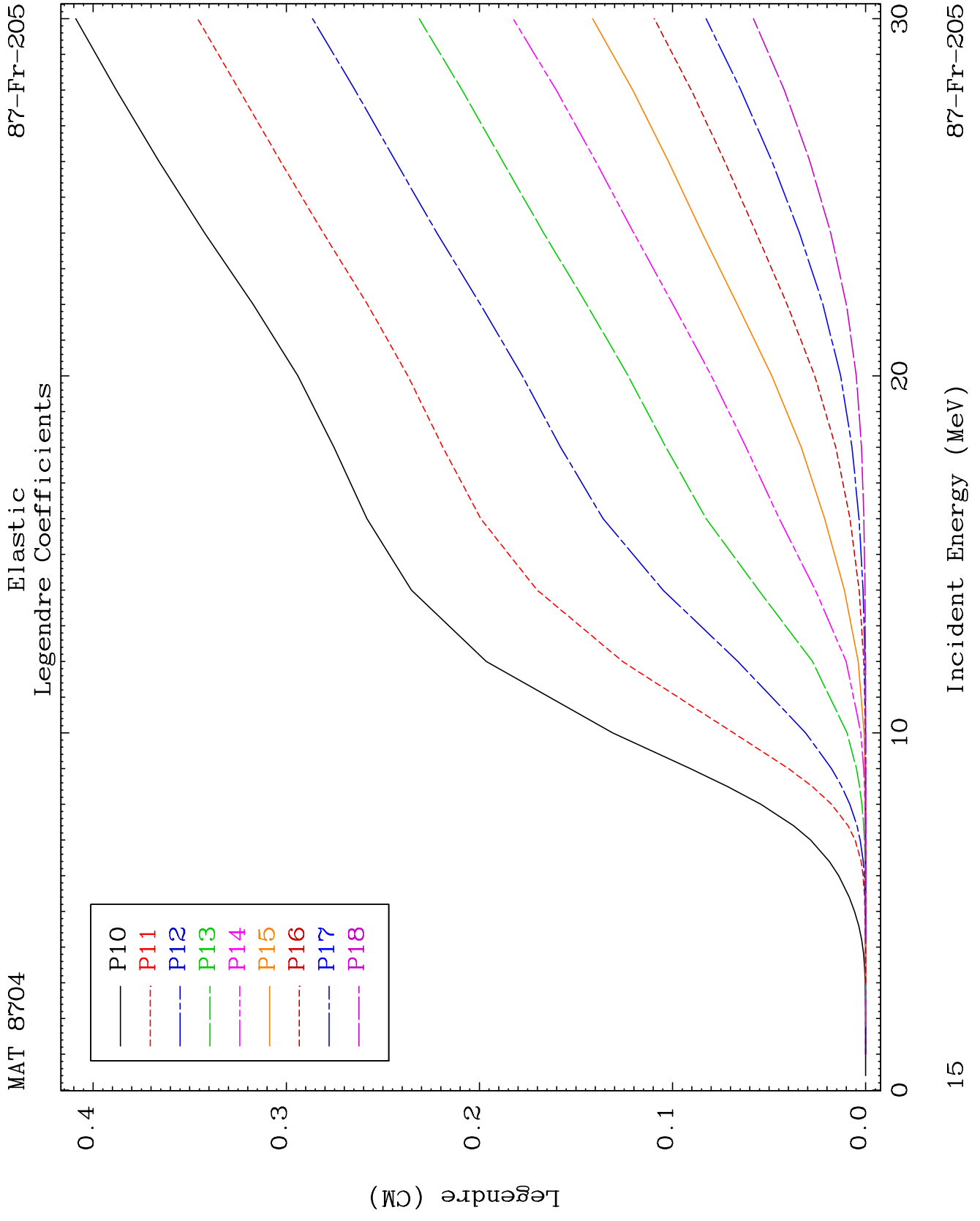
87-Fr-205



14

Incident Energy (MeV)

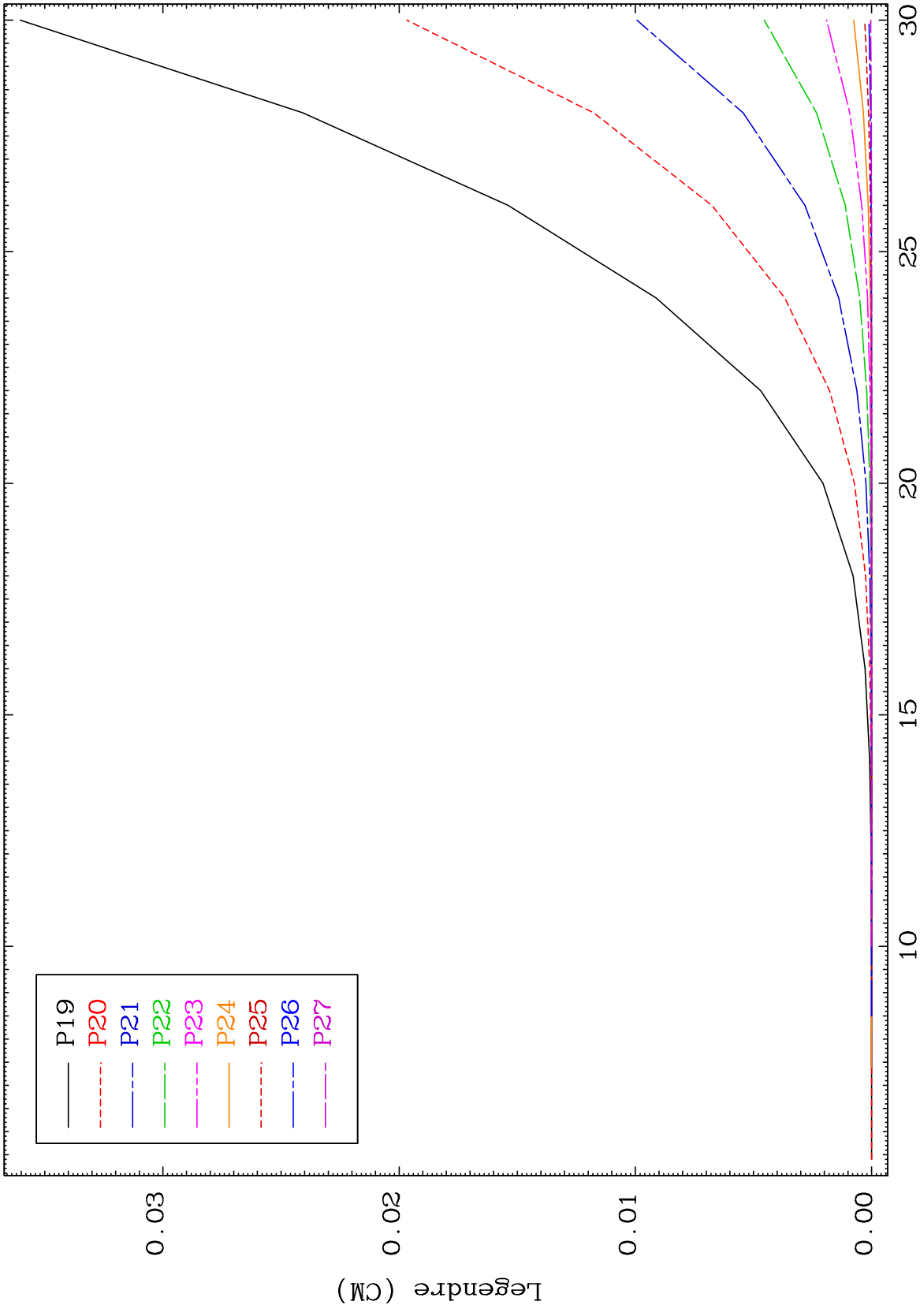
87-Fr-205



MAT 8704

Elastic Legendre Coefficients

87-Fr-205



16

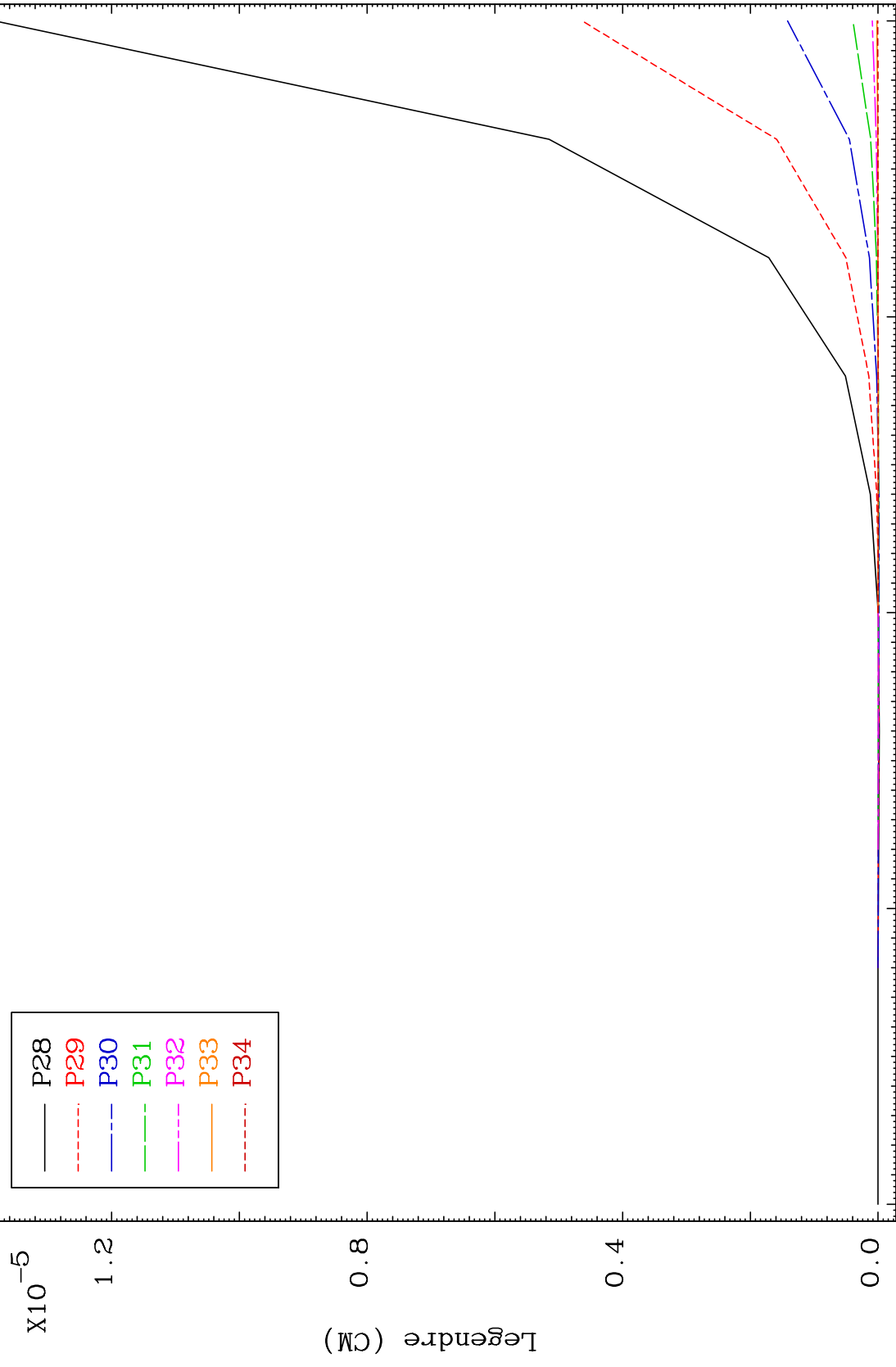
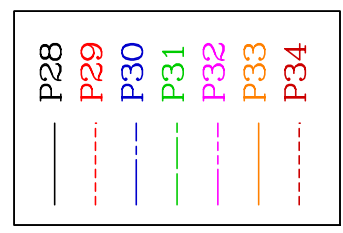
Incident Energy (MeV)

87-Fr-205

MAT 8704

Elastic Legendre Coefficients

87-Fr-205



17

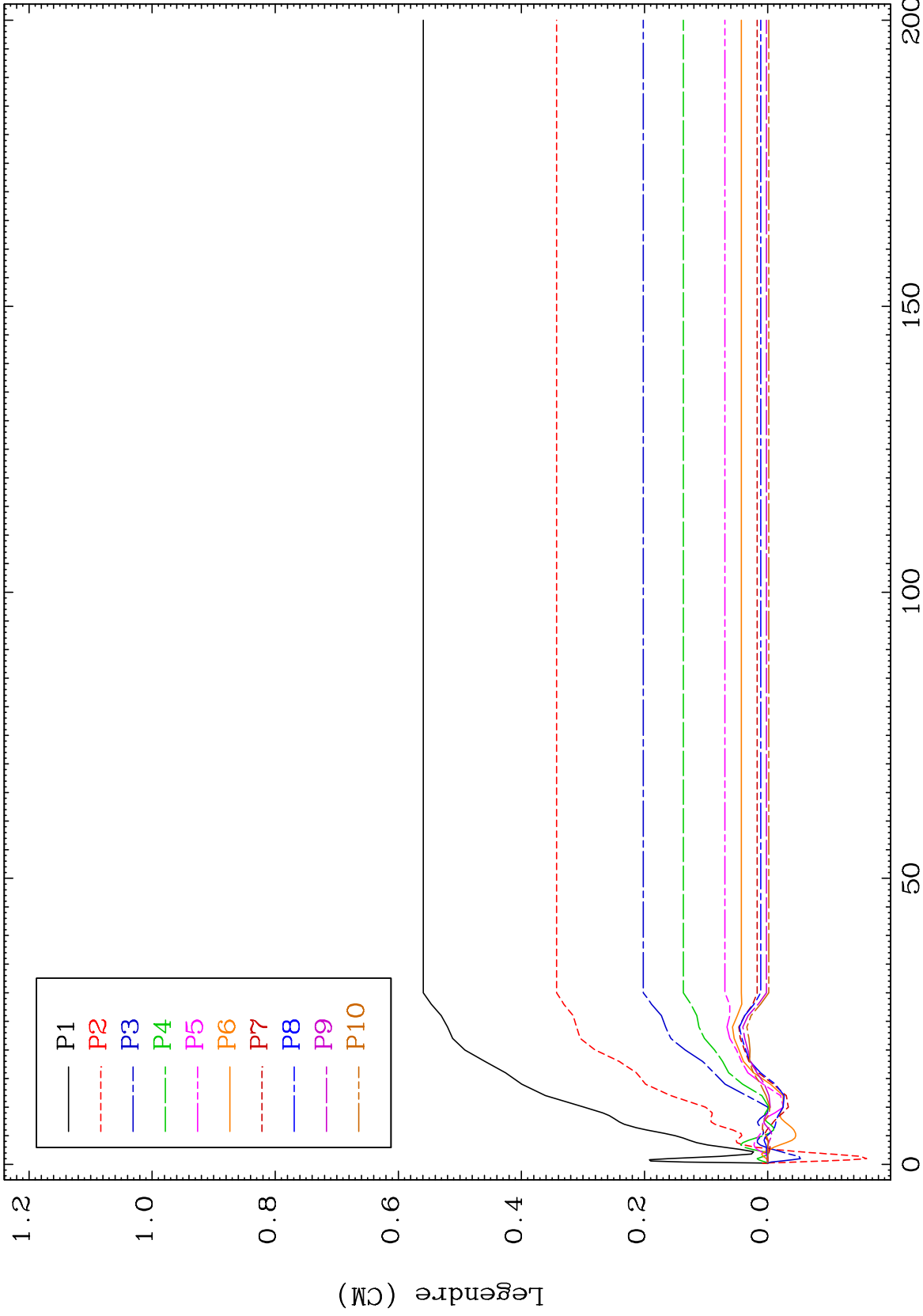
Incident Energy (MeV)

87-Fr-205

MAT 8704

MT= 51 (n,n') Level
Legendre Coefficients

87-Fr-205



18

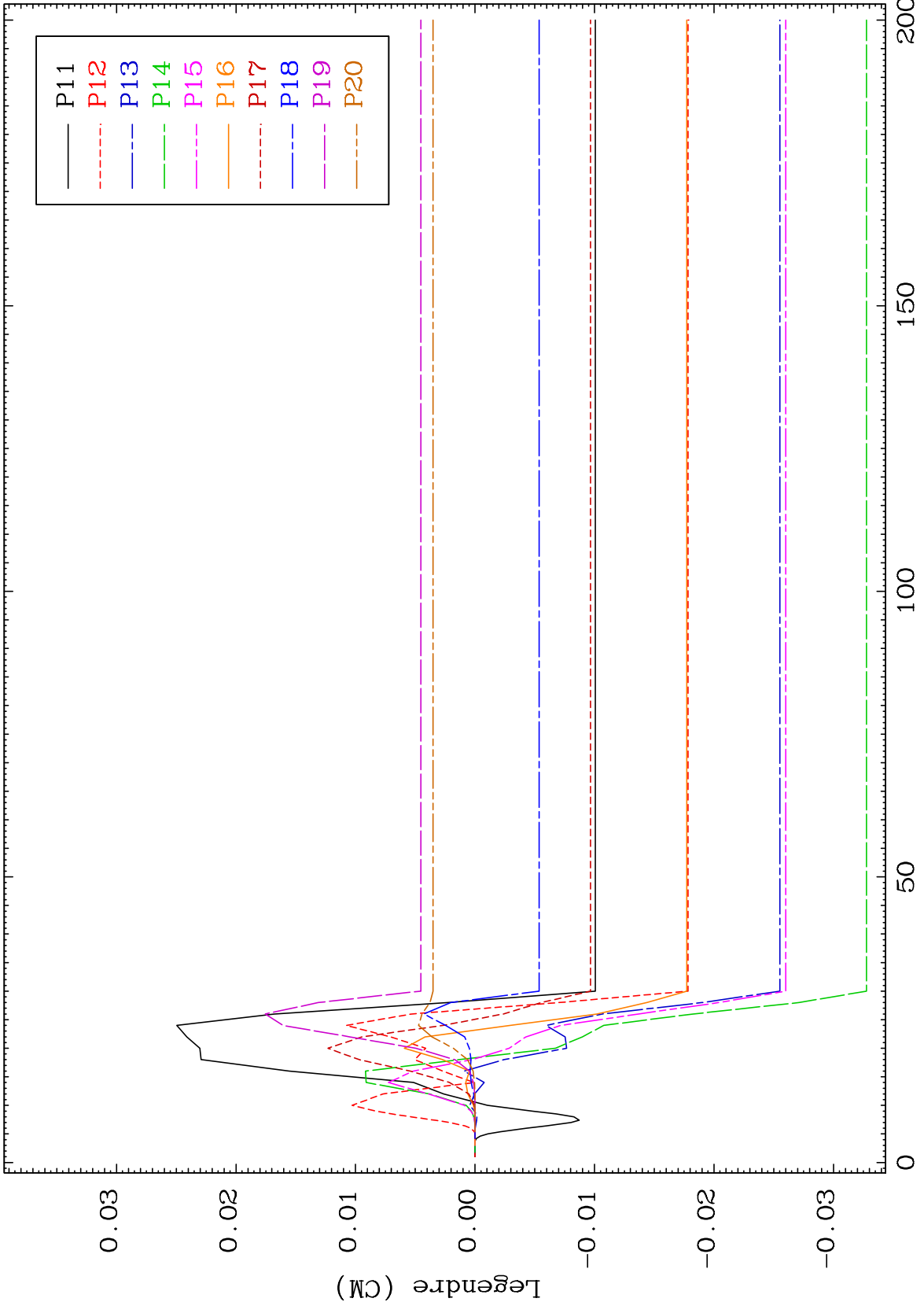
Incident Energy (MeV)

87-Fr-205

MAT 8704

MT= 51 (n,n') Level
Legendre Coefficients

87-Fr-205



19

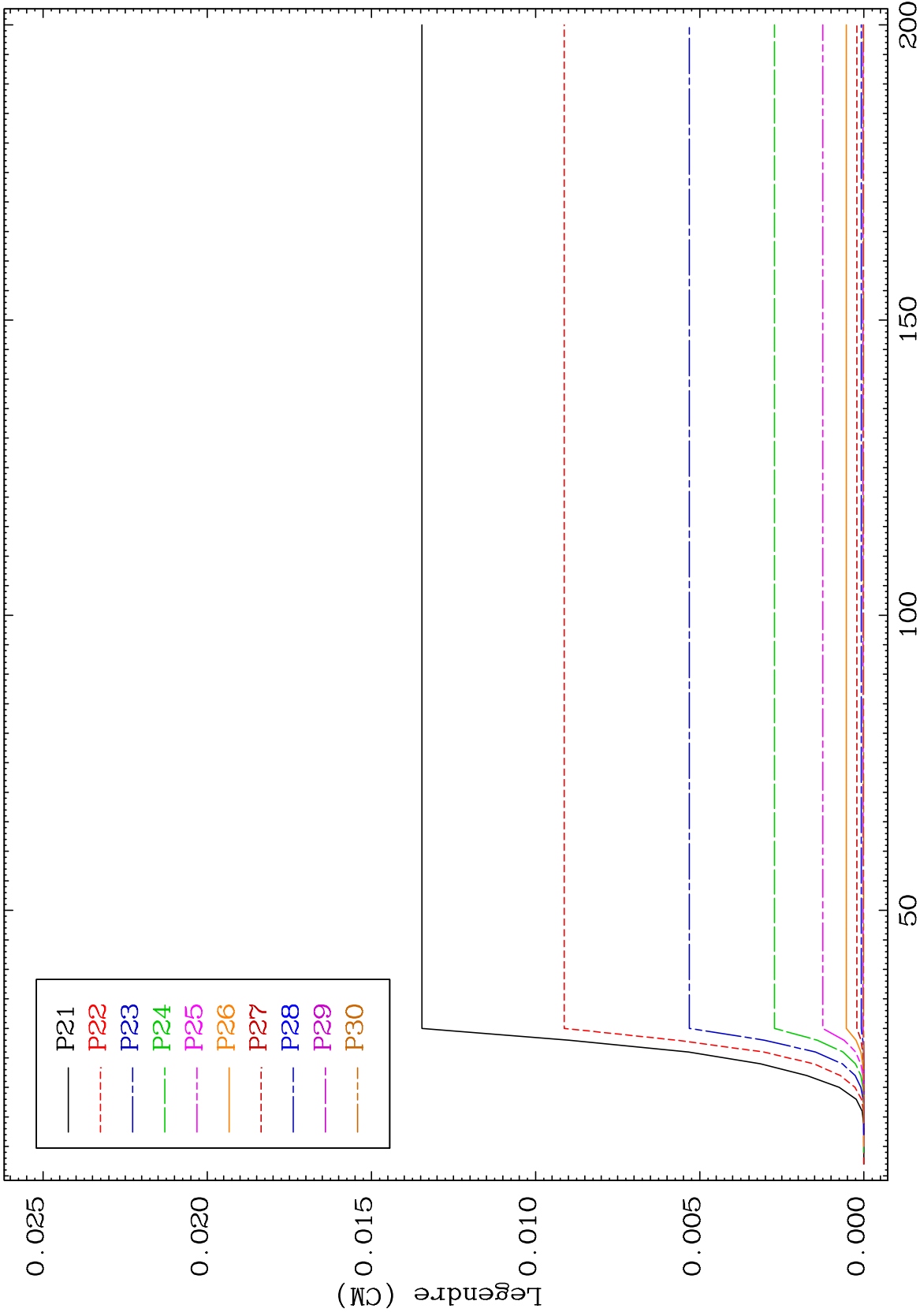
Incident Energy (MeV)

87-Fr-205

MAT 8704

MT= 51 (n,n') Level
Legendre Coefficients

87-Fr-205



20

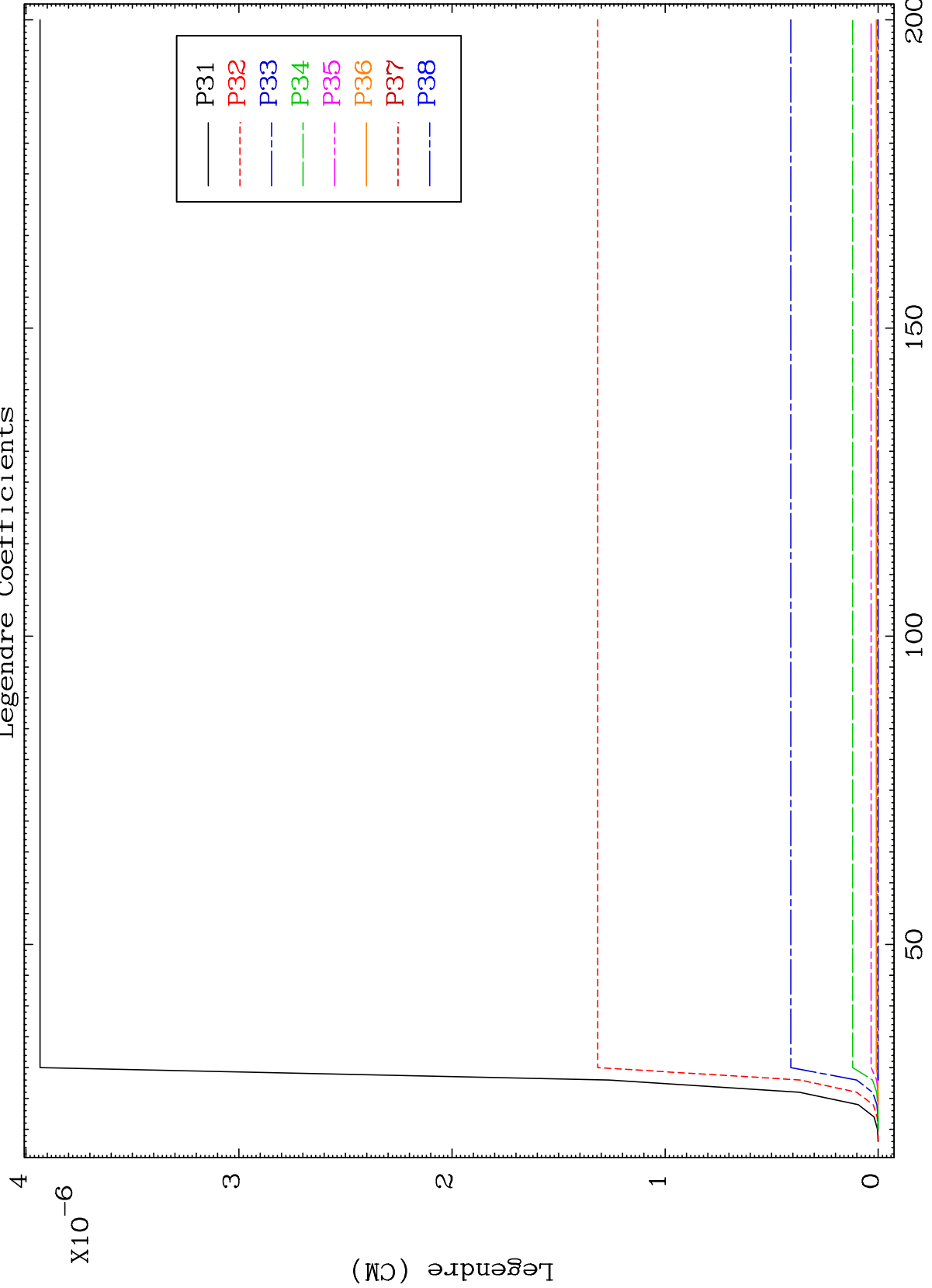
Incident Energy (MeV)

87-Fr-205

MAT 8704

MT= 51 (n,n') Level
Legendre Coefficients

87-Fr-205



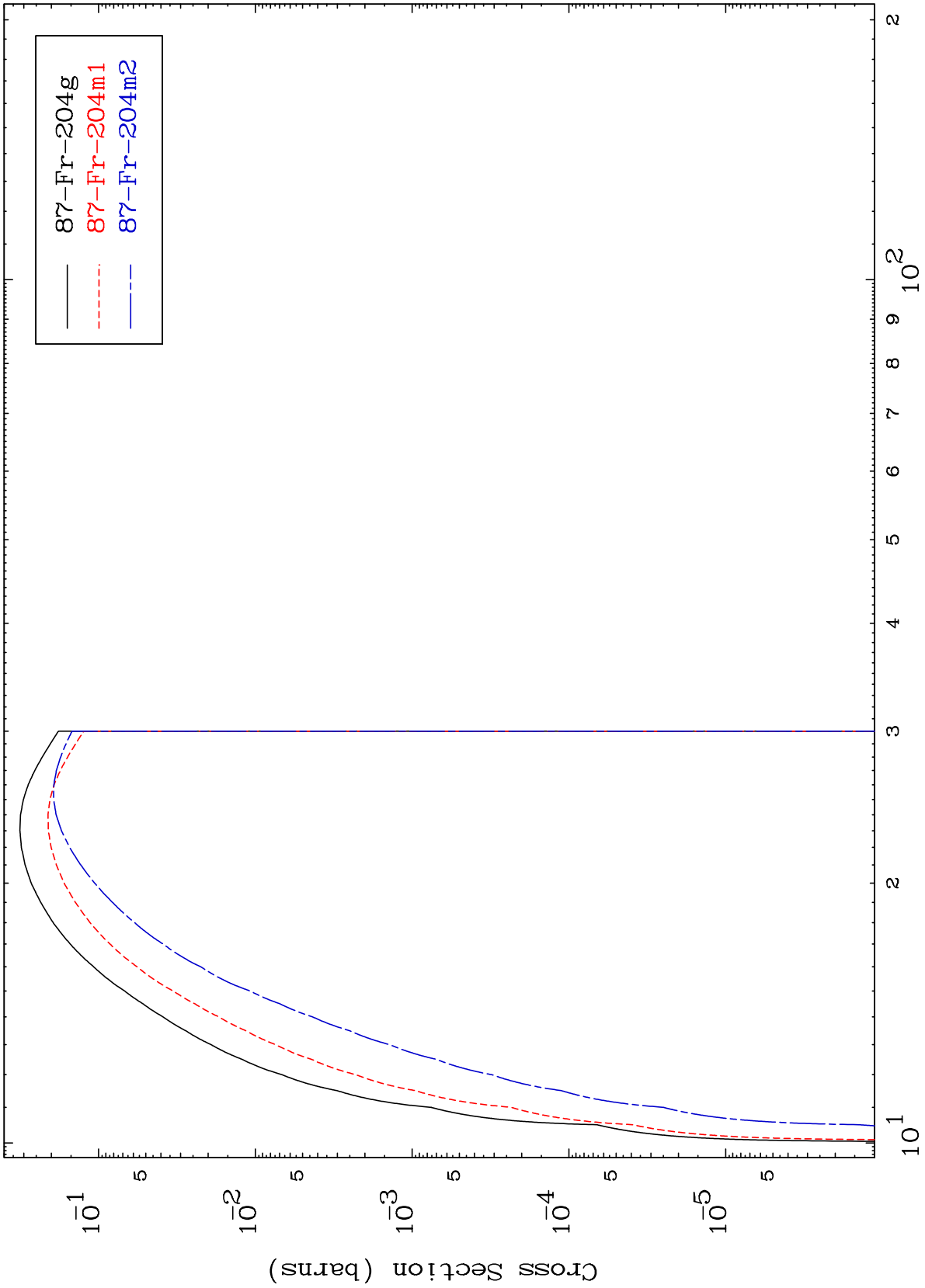
21

87-Fr-205

MAT 8704

87-Fr-205

(n,2n)
Radionuclide Production Cross Section



87-Fr-205

Incident Energy (MeV)

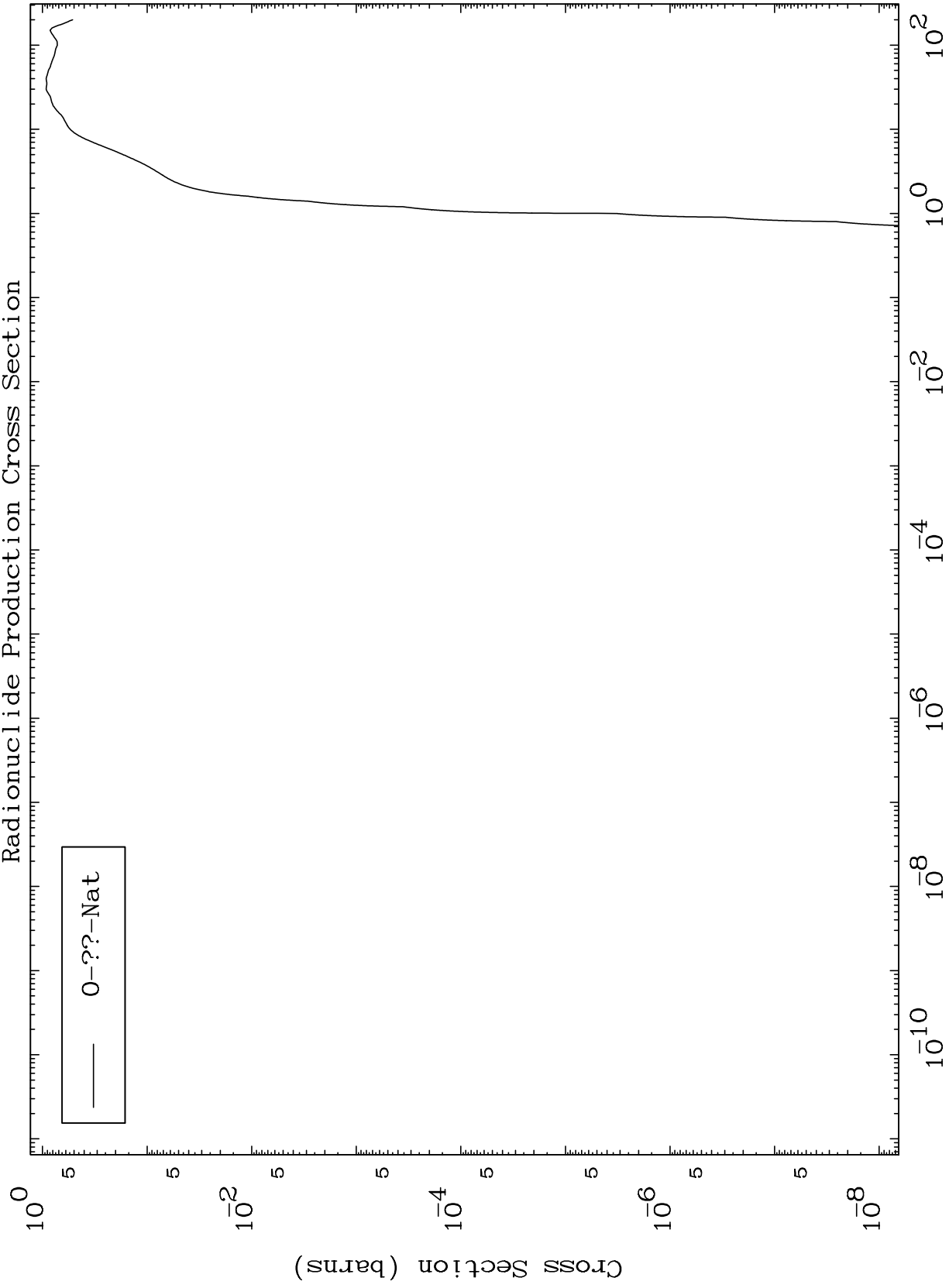
22

MAT 8704

Fission

⁸⁷Fr-205

Radionuclide Production Cross Section



23

Incident Energy (MeV)

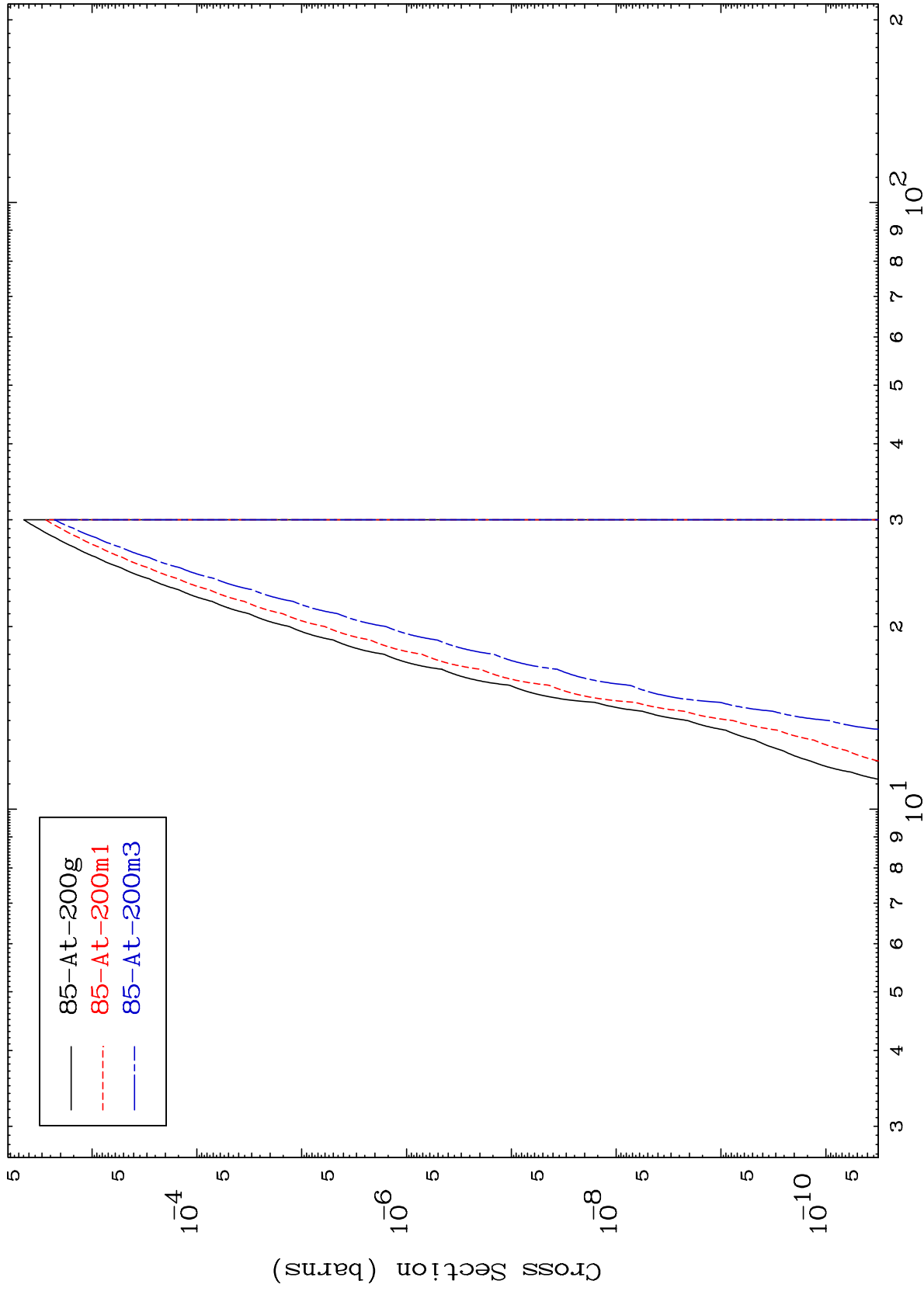
⁸⁷Fr-205

MAT 8704

(n,2n) α

87-Fr-205

Radionuclide Production Cross Section



24

Incident Energy (MeV)

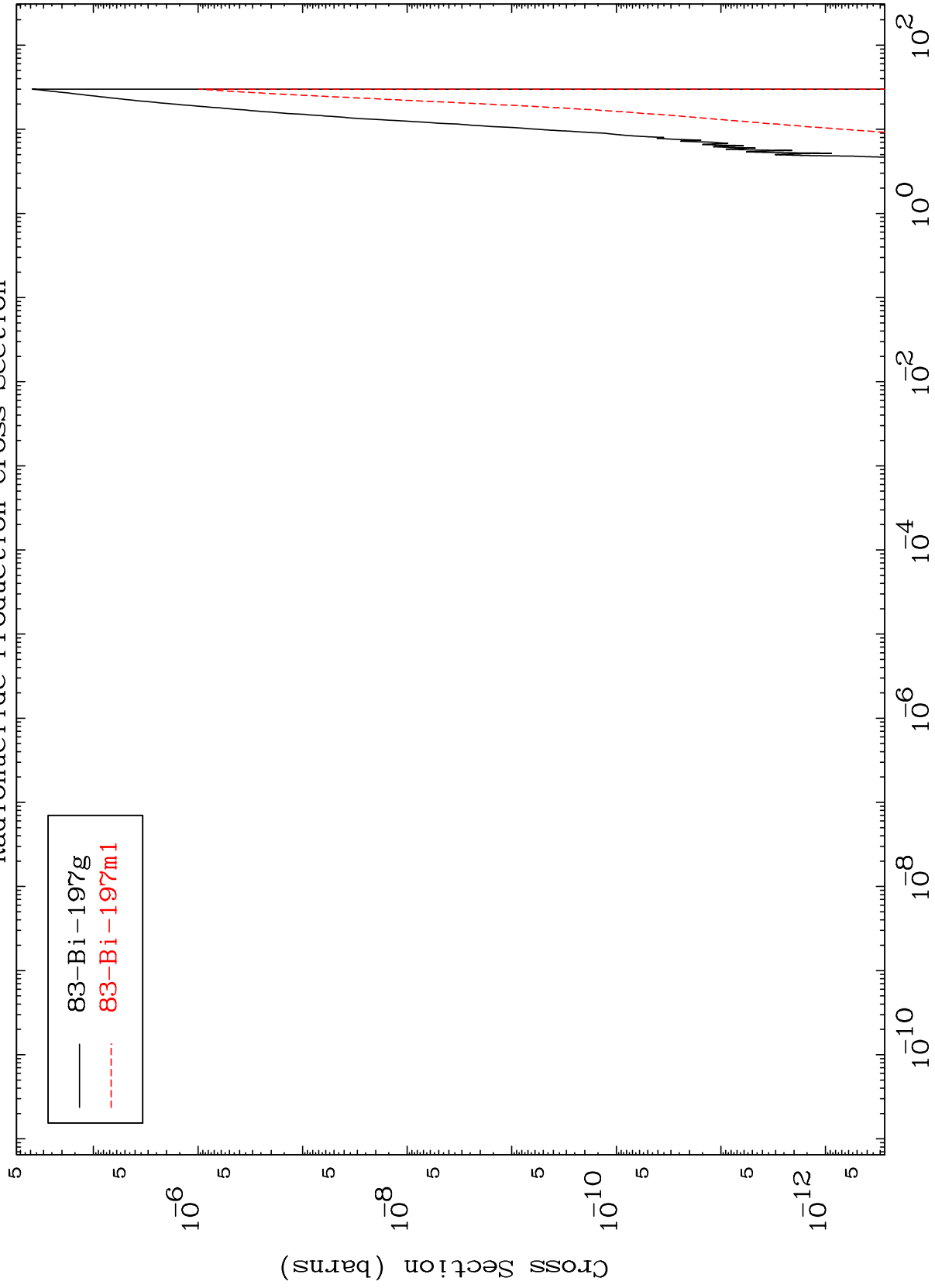
87-Fr-205

MAT 8704

(n,n') 2 α

87-Fr-205

Radionuclide Production Cross Section



25

Incident Energy (MeV)

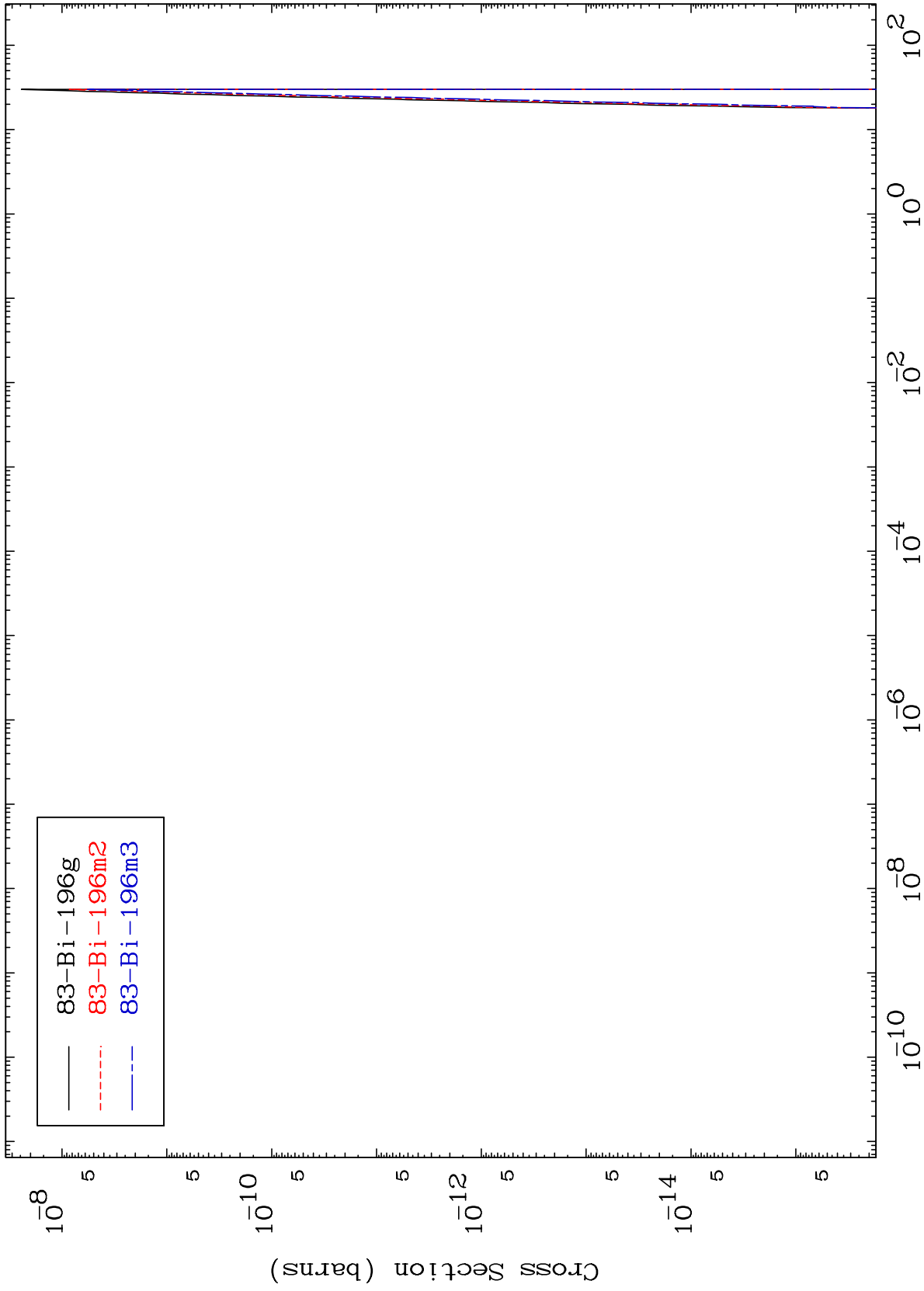
87-Fr-205

MAT 8704

(n,2n) 2 α

87-Fr-205

Radionuclide Production Cross Section



26

Incident Energy (MeV)

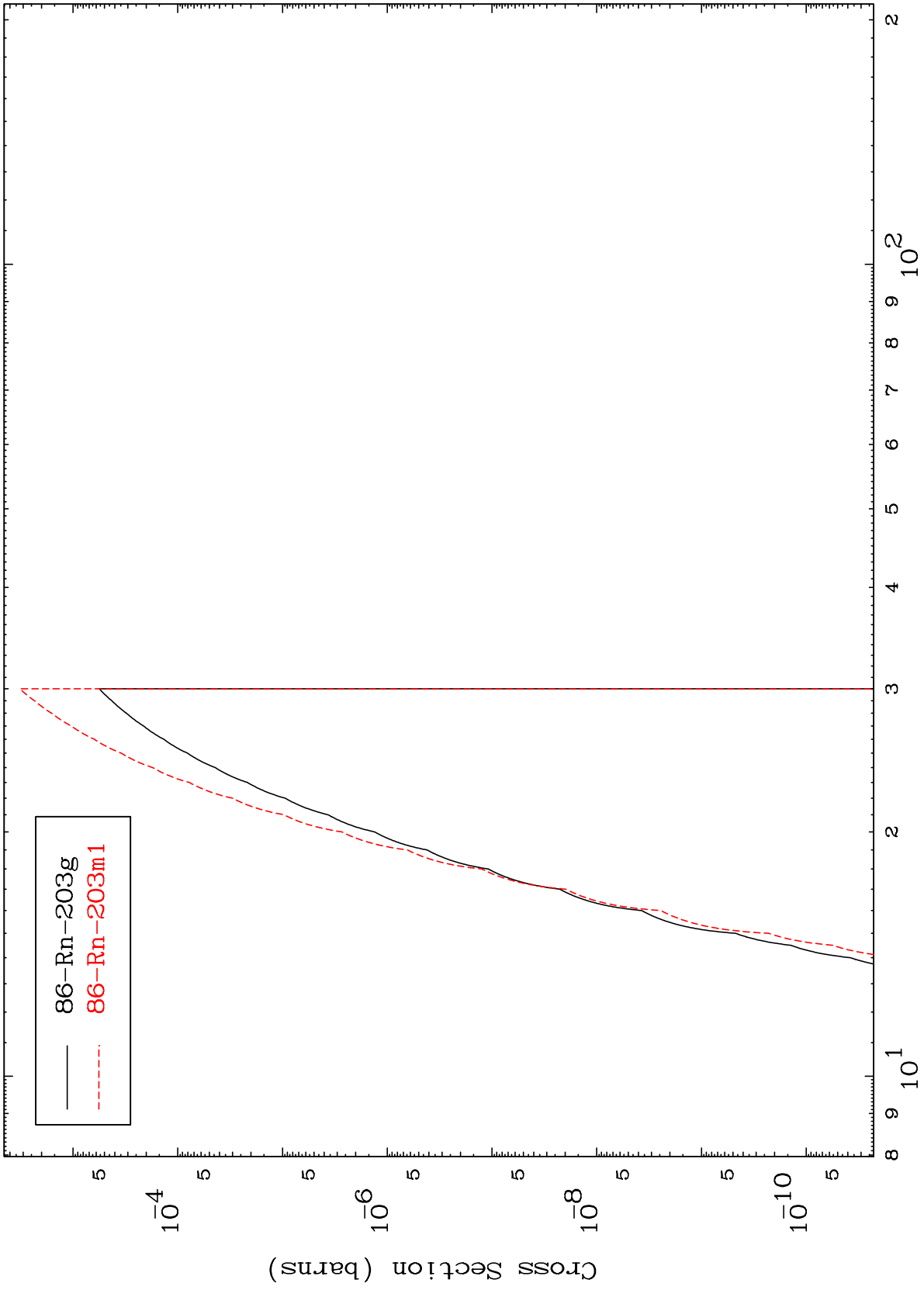
87-Fr-205

MAT 8704

(n,n') d

87-Fr-205

Radionuclide Production Cross Section



27

Incident Energy (MeV)

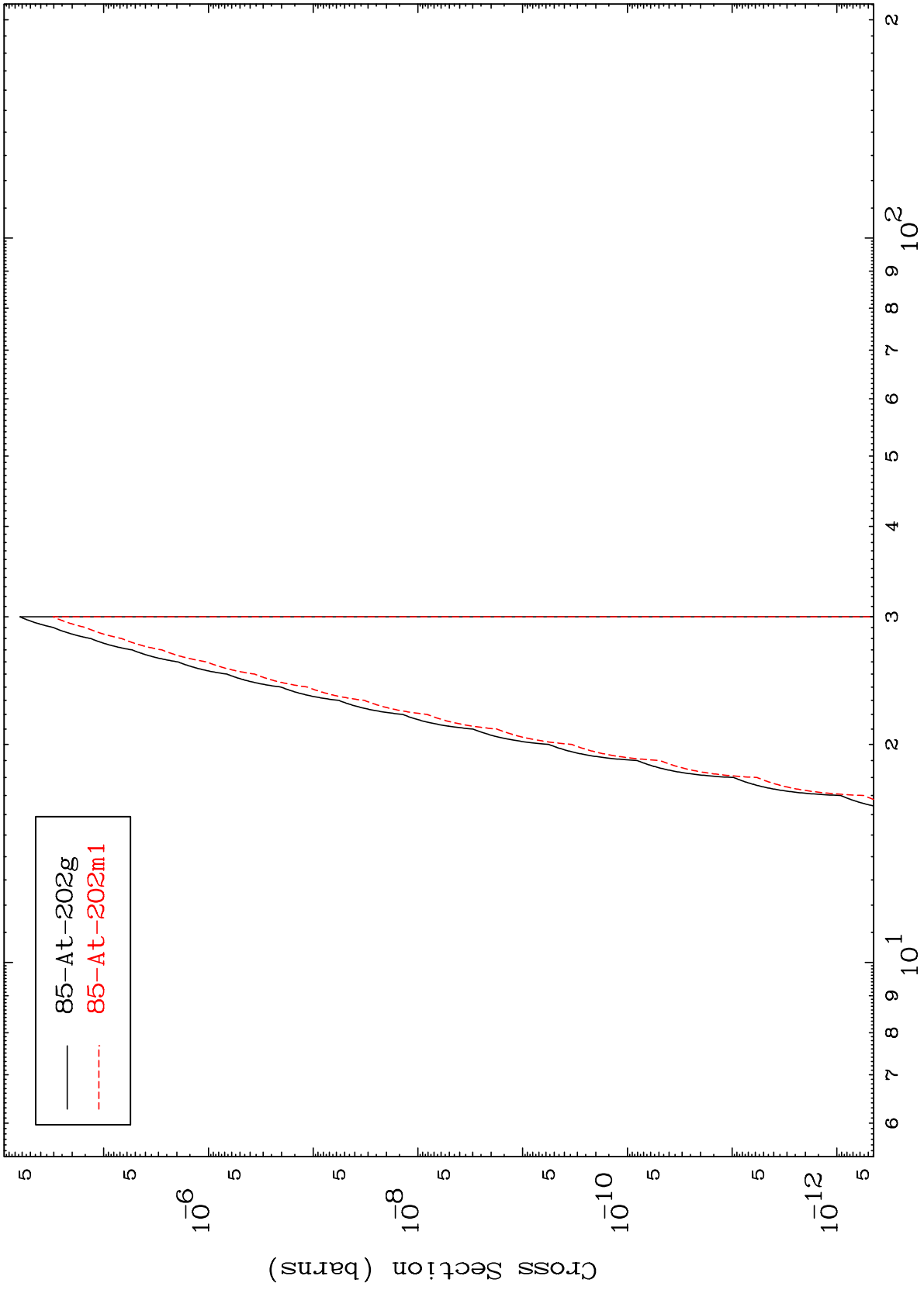
87-Fr-205

MAT 8704

(n, n') He-3

87-Fr-205

Radionuclide Production Cross Section



28

Incident Energy (MeV)

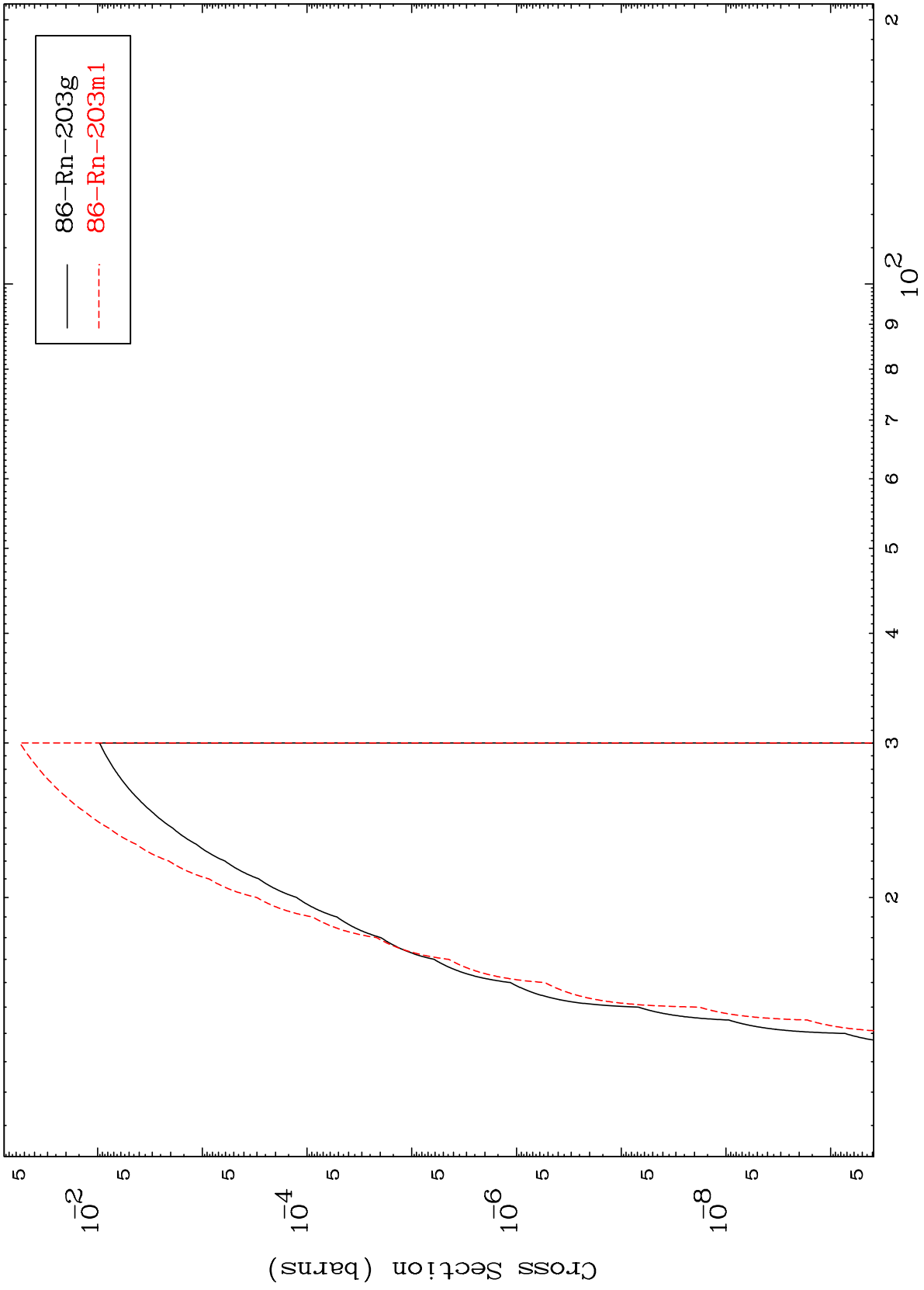
87-Fr-205

MAT 8704

(n,2n) p

87-Fr-205

Radionuclide Production Cross Section



29

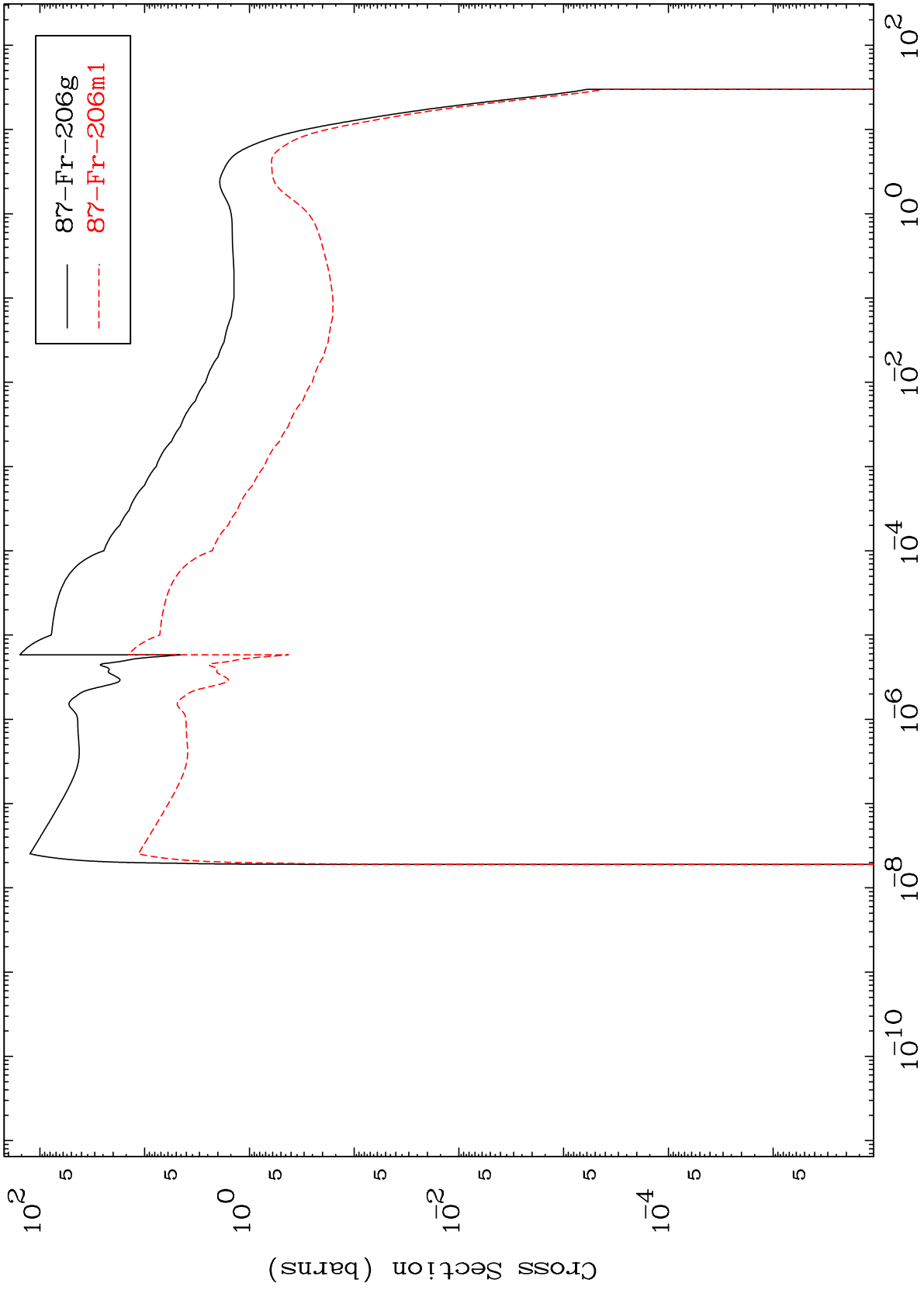
Incident Energy (MeV)

87-Fr-205

MAT 8704

87-Fr-205

(n,γ)
Radionuclide Production Cross Section



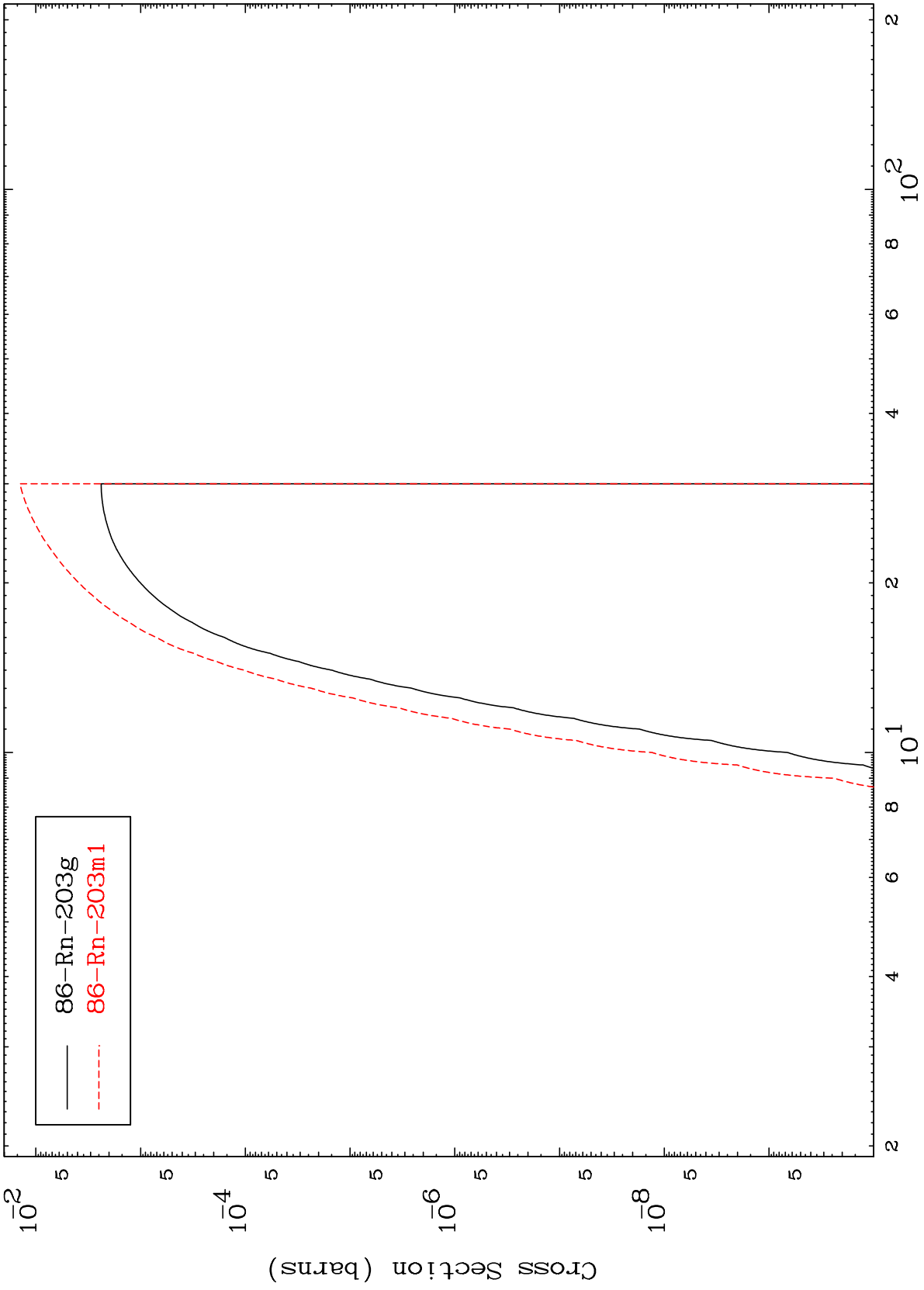
30

87-Fr-205

MAT 8704

87-Fr-205

(n, t)
Radionuclide Production Cross Section



87-Fr-205

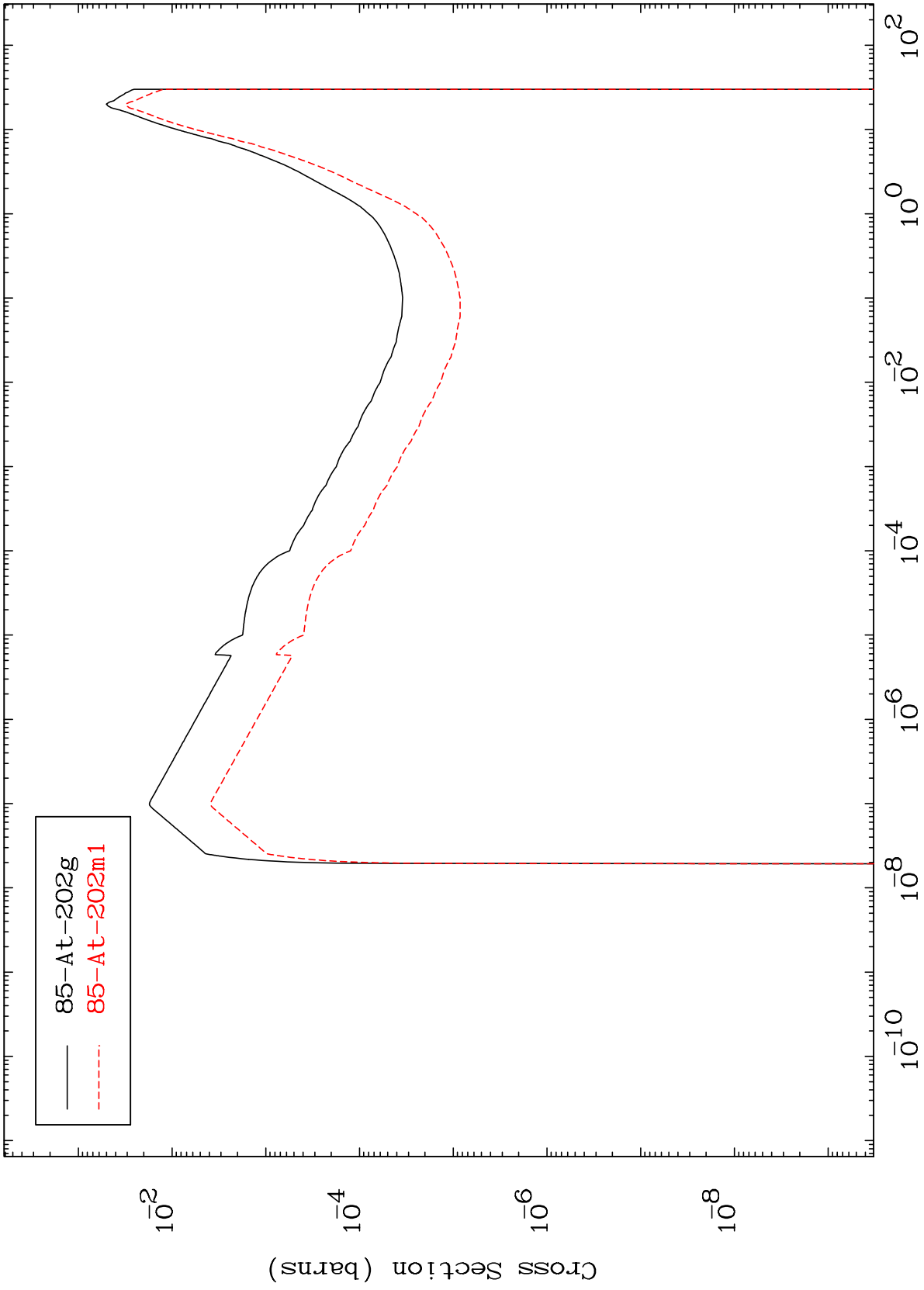
Incident Energy (MeV)

31

MAT 8704

Radionuclide Production Cross Section
(n, α)

87-Fr-205



85-At-202g
85-At-202m1

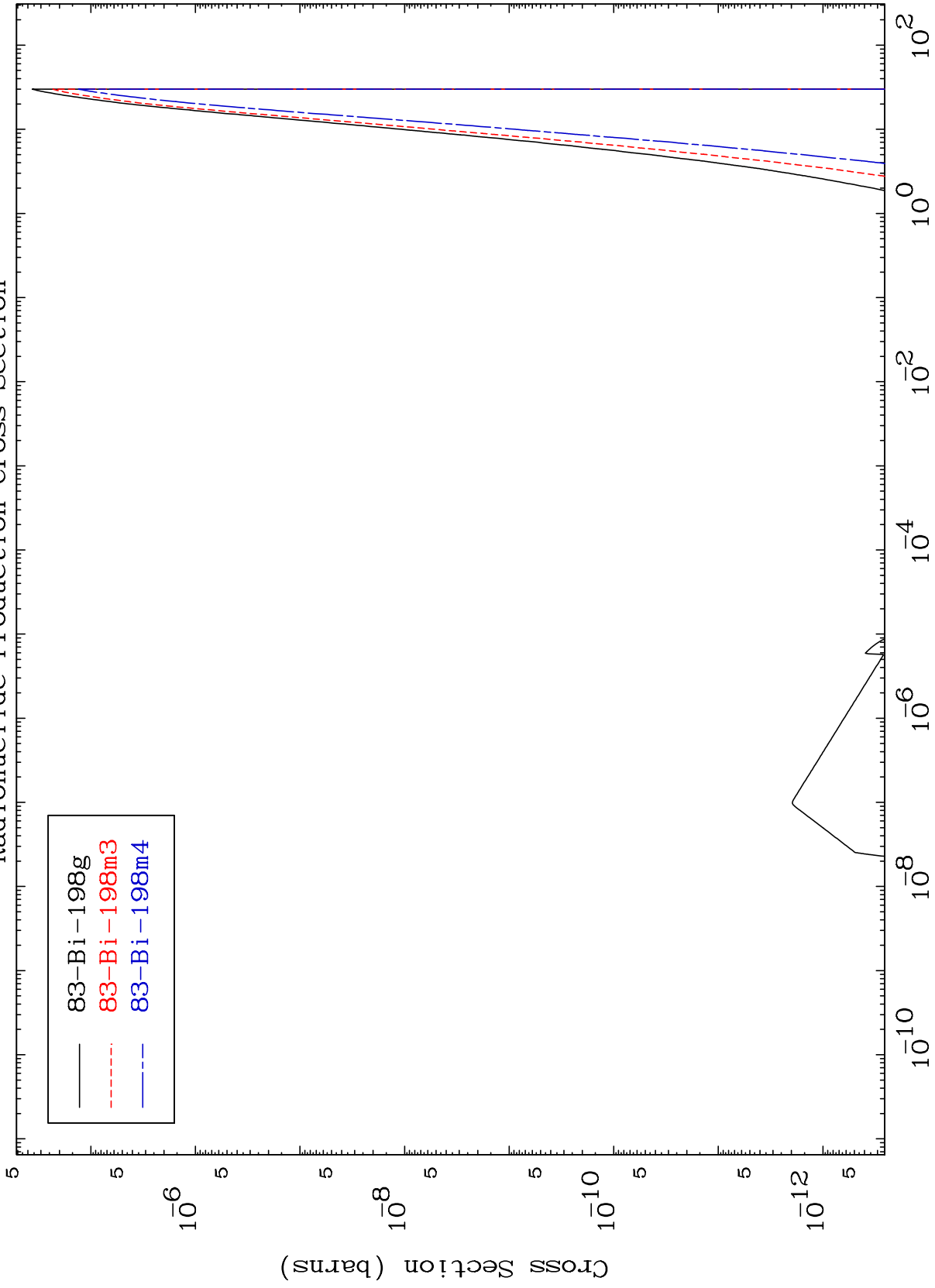
32

87-Fr-205

MAT 8704

87-Fr-205

(n,2α)
Radionuclide Production Cross Section



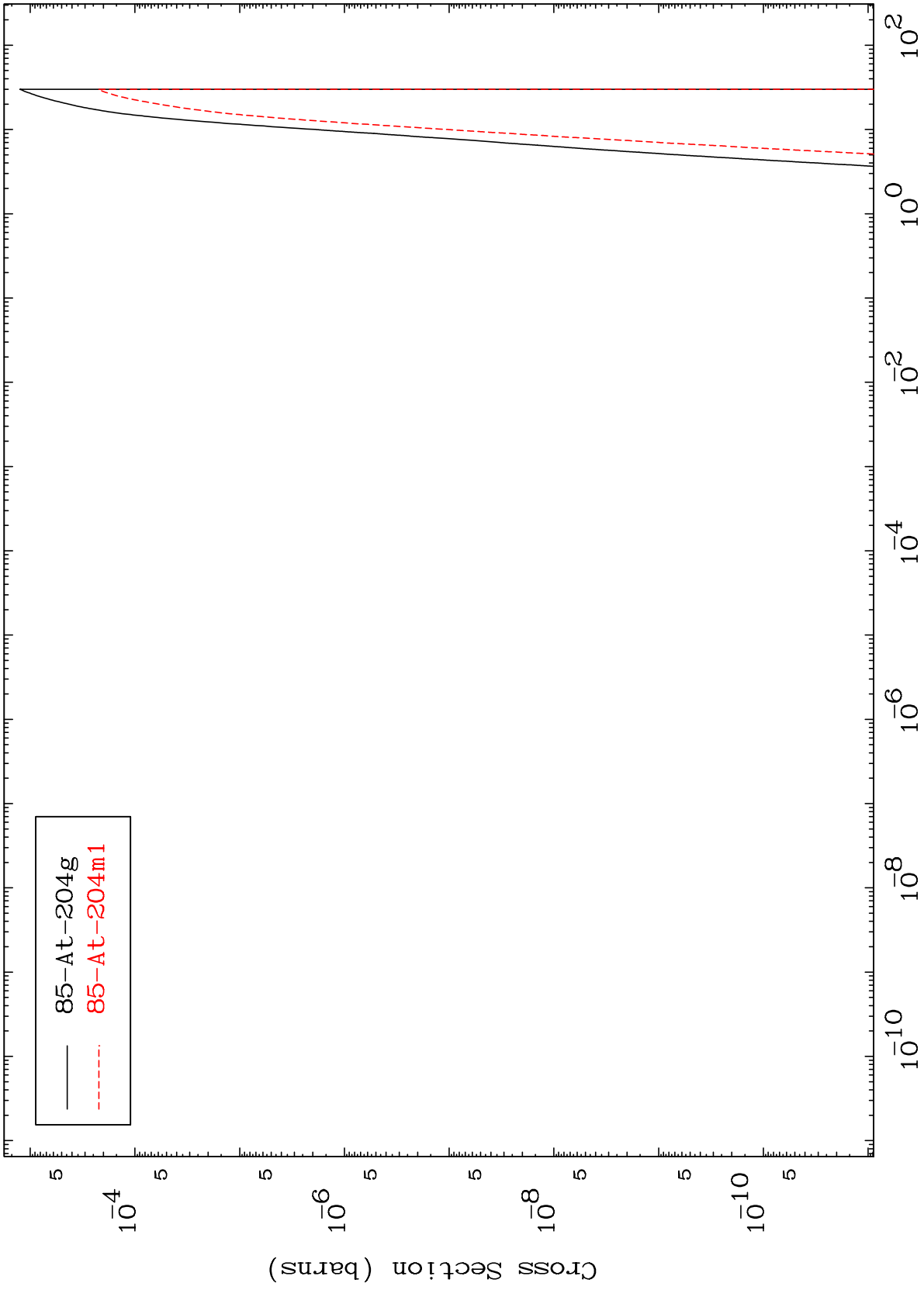
33

87-Fr-205

MAT 8704

(n,2p)
Radionuclide Production Cross Section

87-Fr-205



34

Incident Energy (MeV)

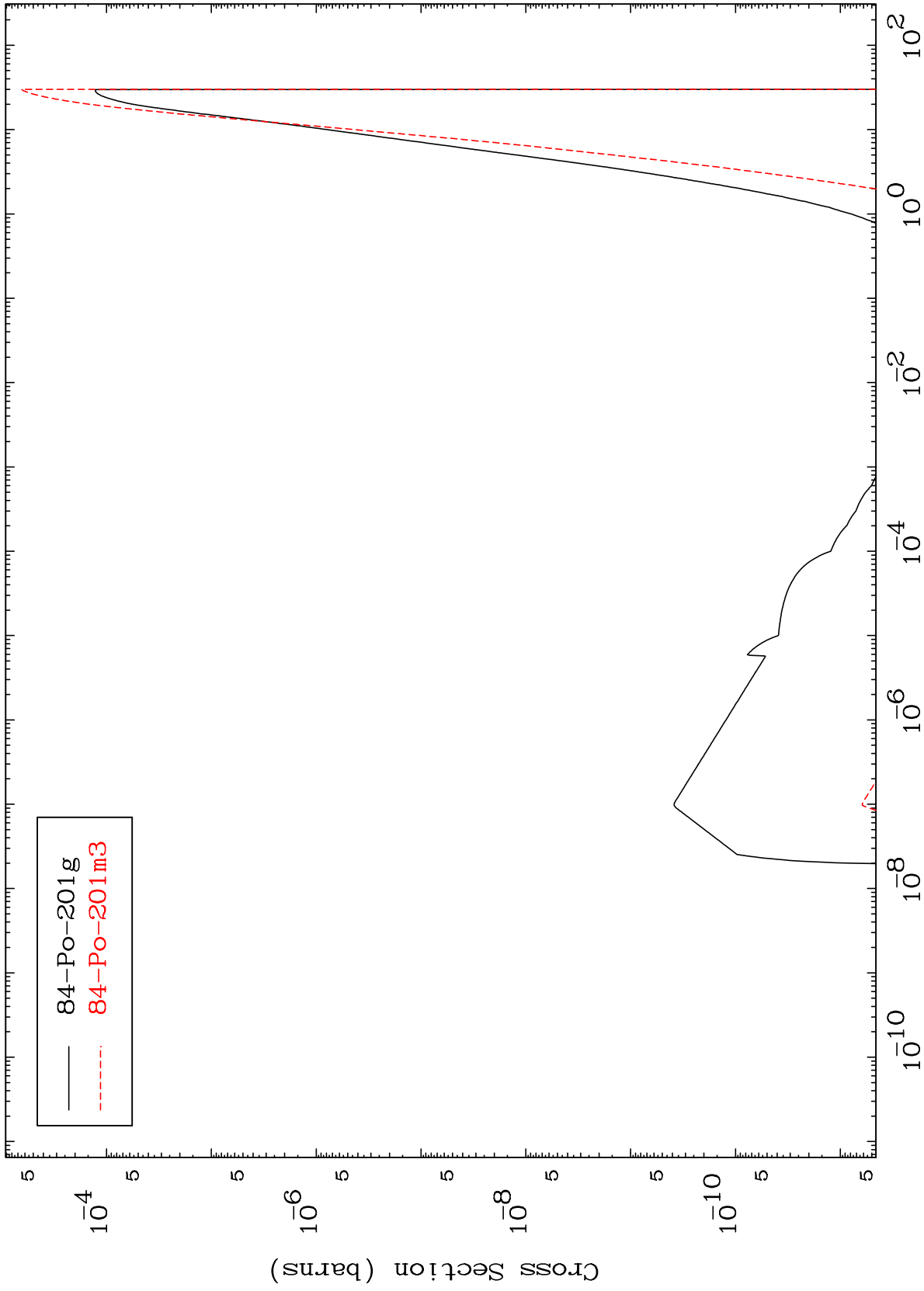
87-Fr-205

MAT 8704

(n,p) α

87-Fr-205

Radionuclide Production Cross Section



35

Incident Energy (MeV)

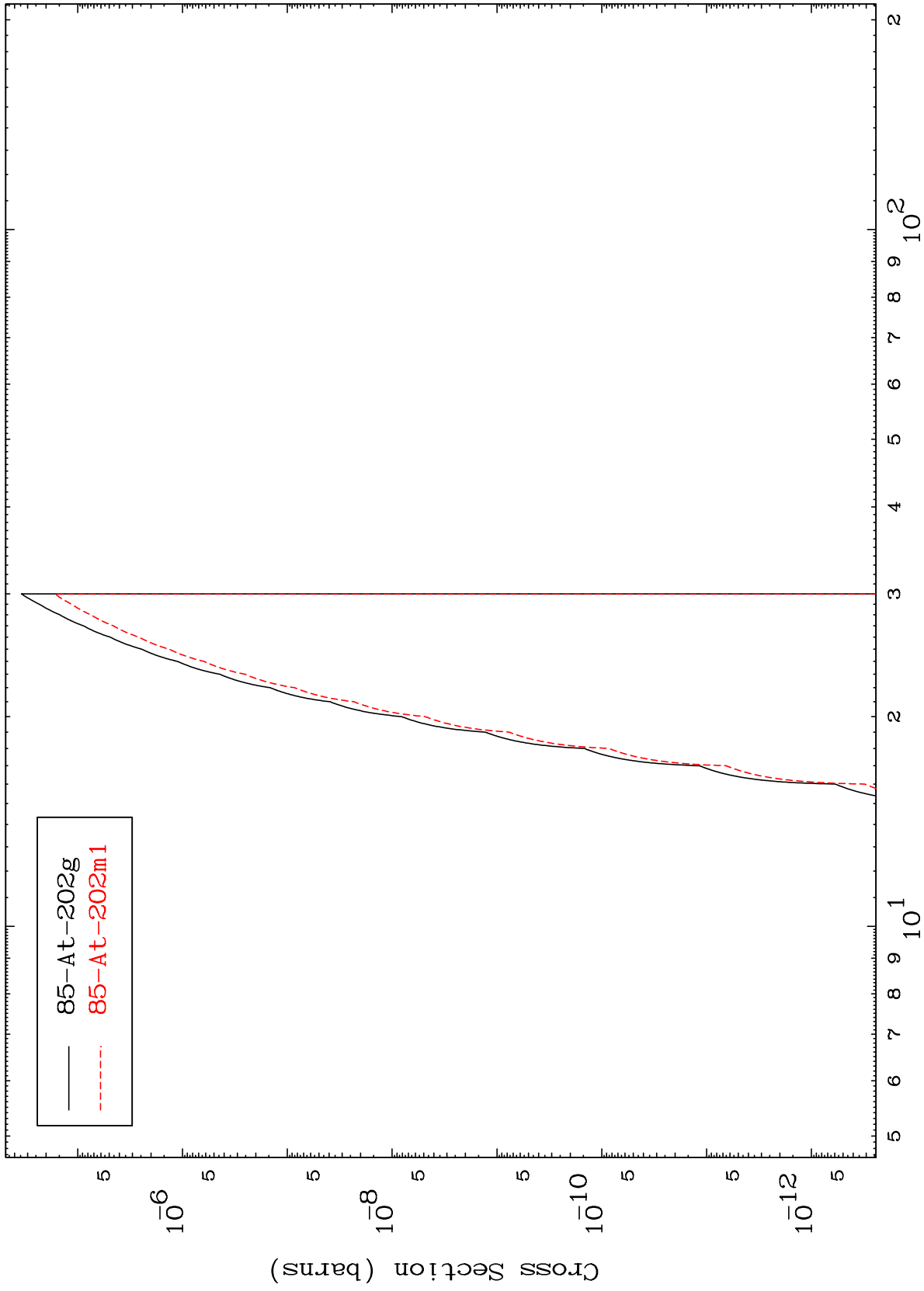
87-Fr-205

MAT 8704

(n,p) t

87-Fr-205

Radionuclide Production Cross Section



36

Incident Energy (MeV)

87-Fr-205