

Program EVALPLOT
(Version 2015-2)

by

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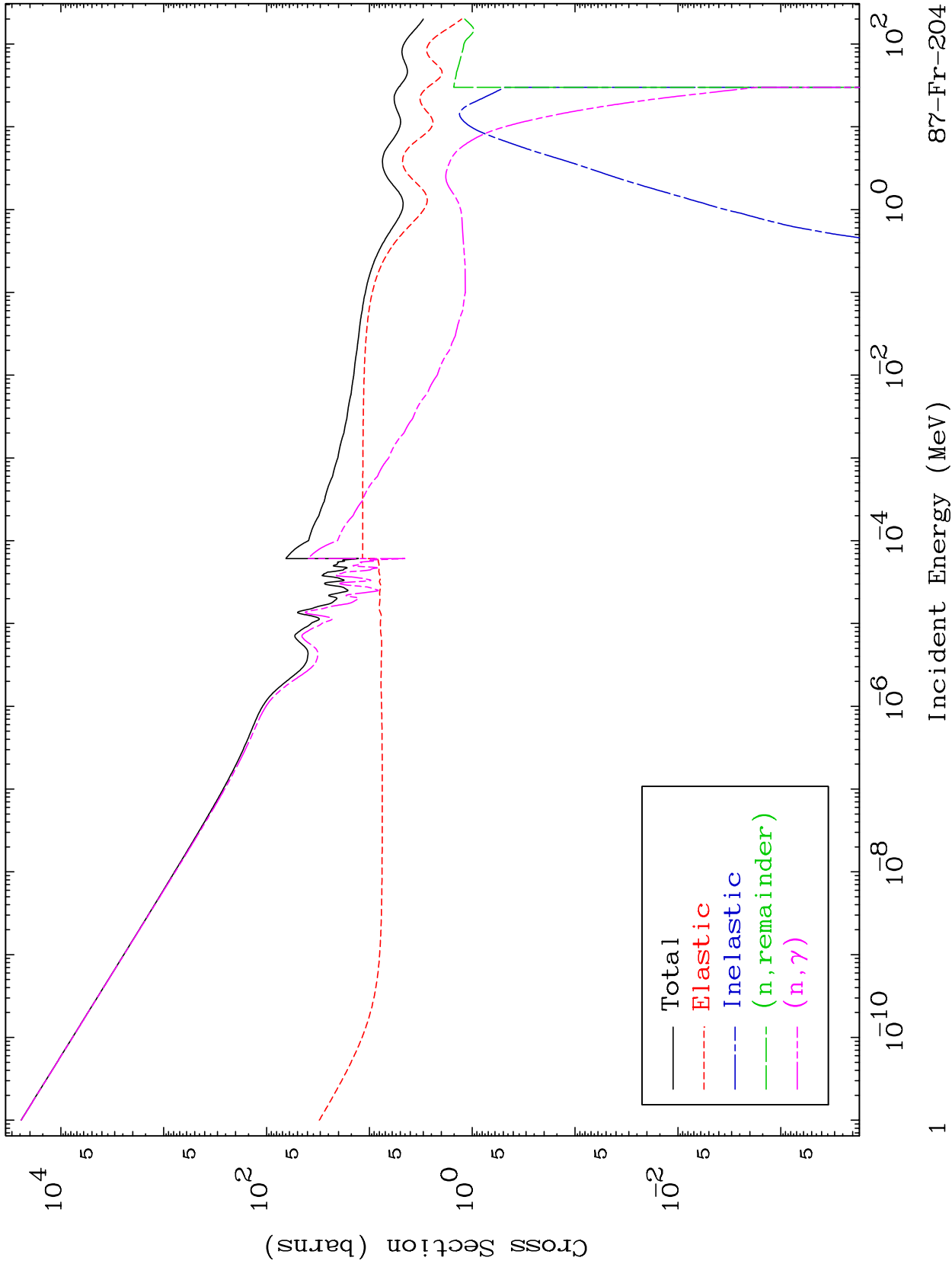
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 8702

Major
293 Kelvin Cross Sections

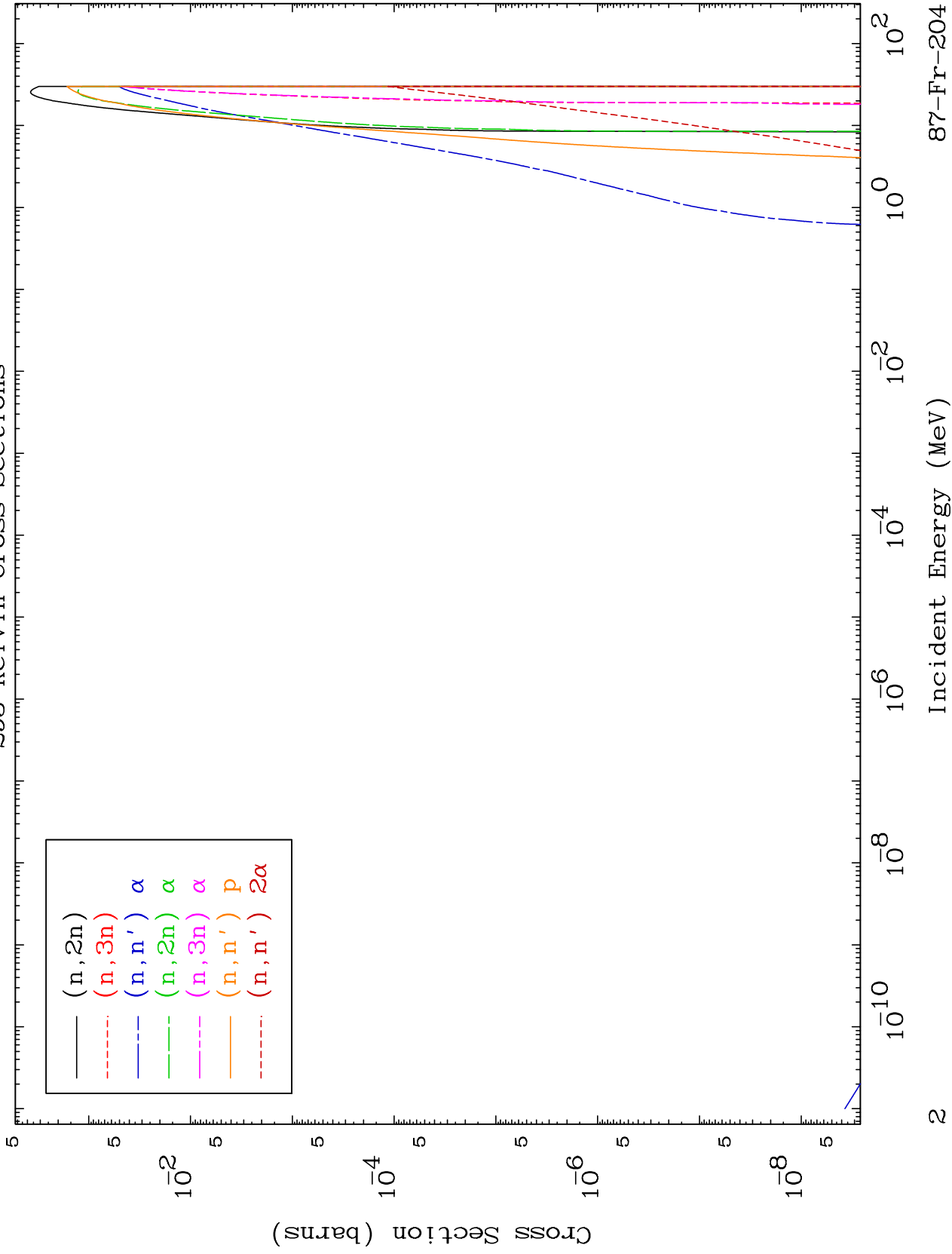
87-Fr-204



MAT 8702

Neutron Production
293 Kelvin Cross Sections

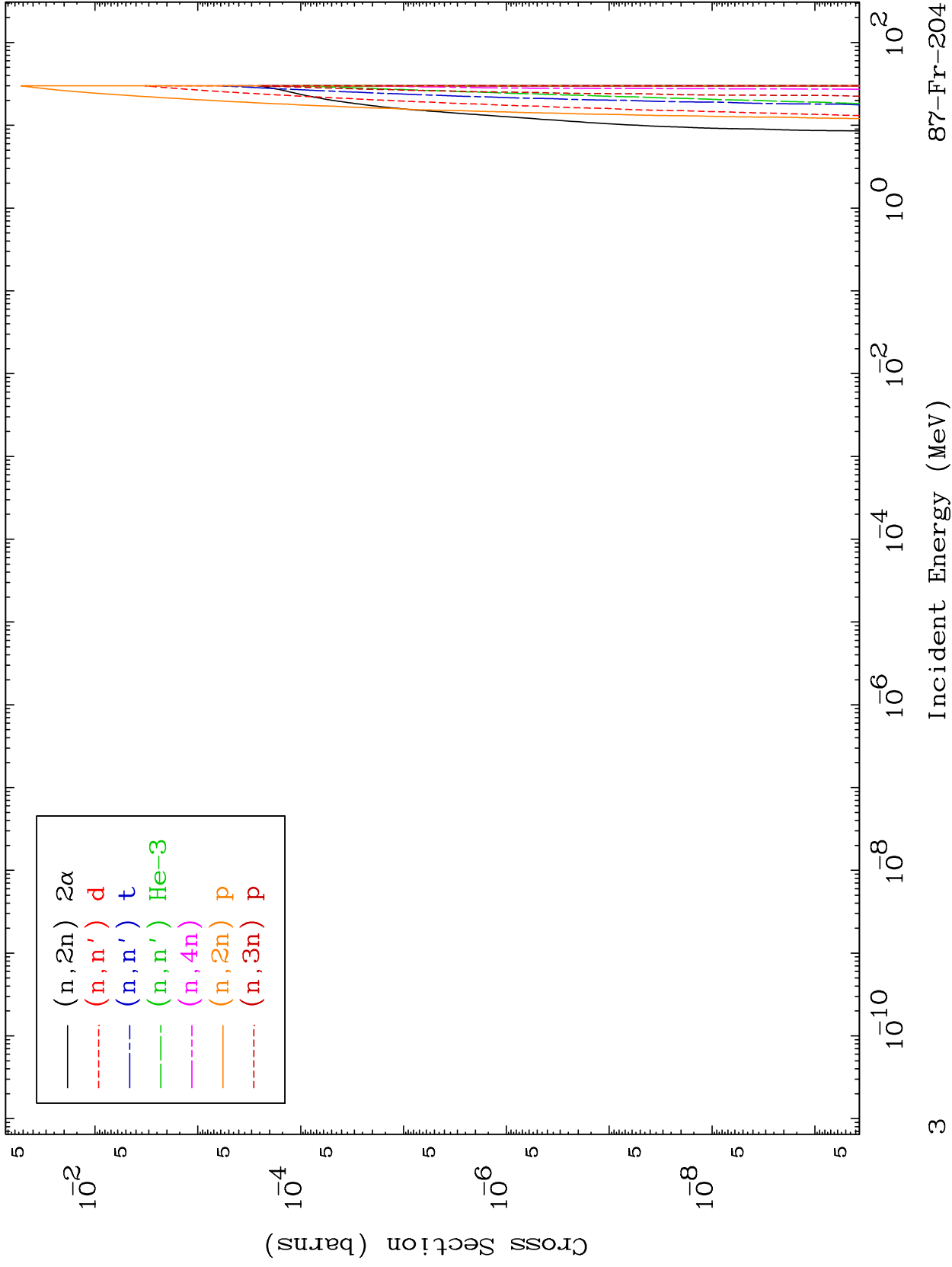
87-Fr-204



MAT 8702

Neutron Production
293 Kelvin Cross Sections

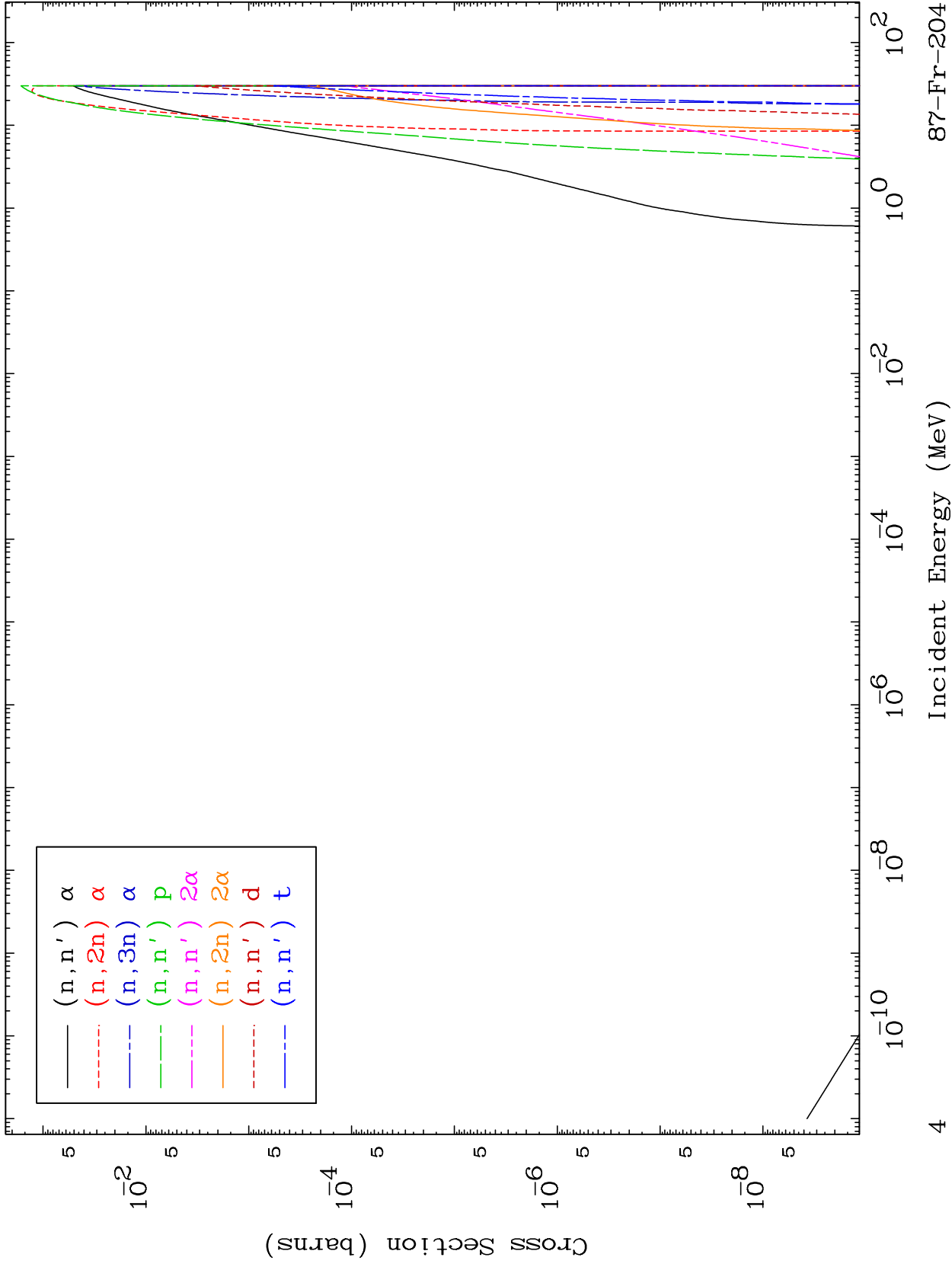
87-Fr-204



MAT 8702

Charged Particle
293 Kelvin Cross Sections

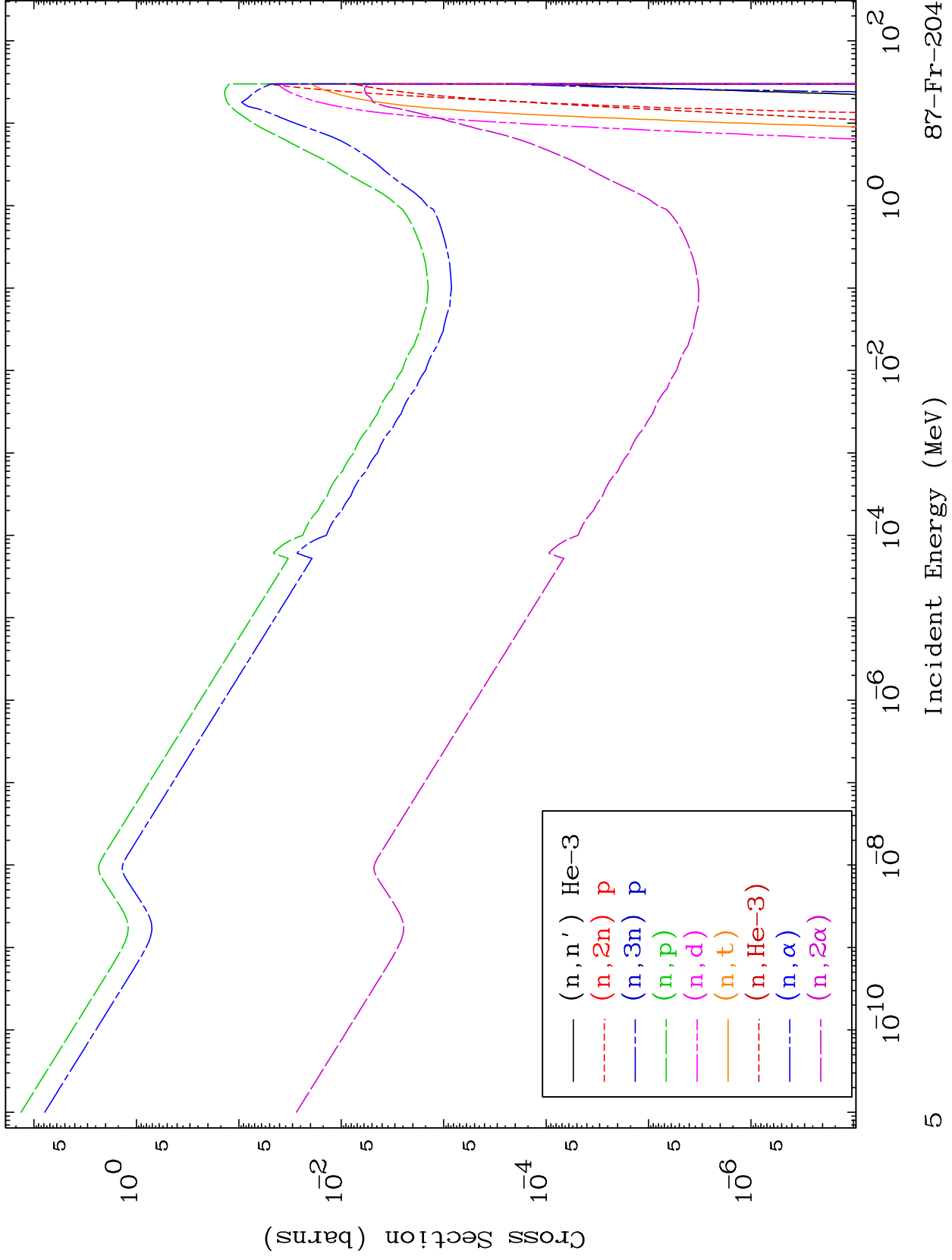
87-Fr-204



MAT 8702

Charged Particle
293 Kelvin Cross Sections

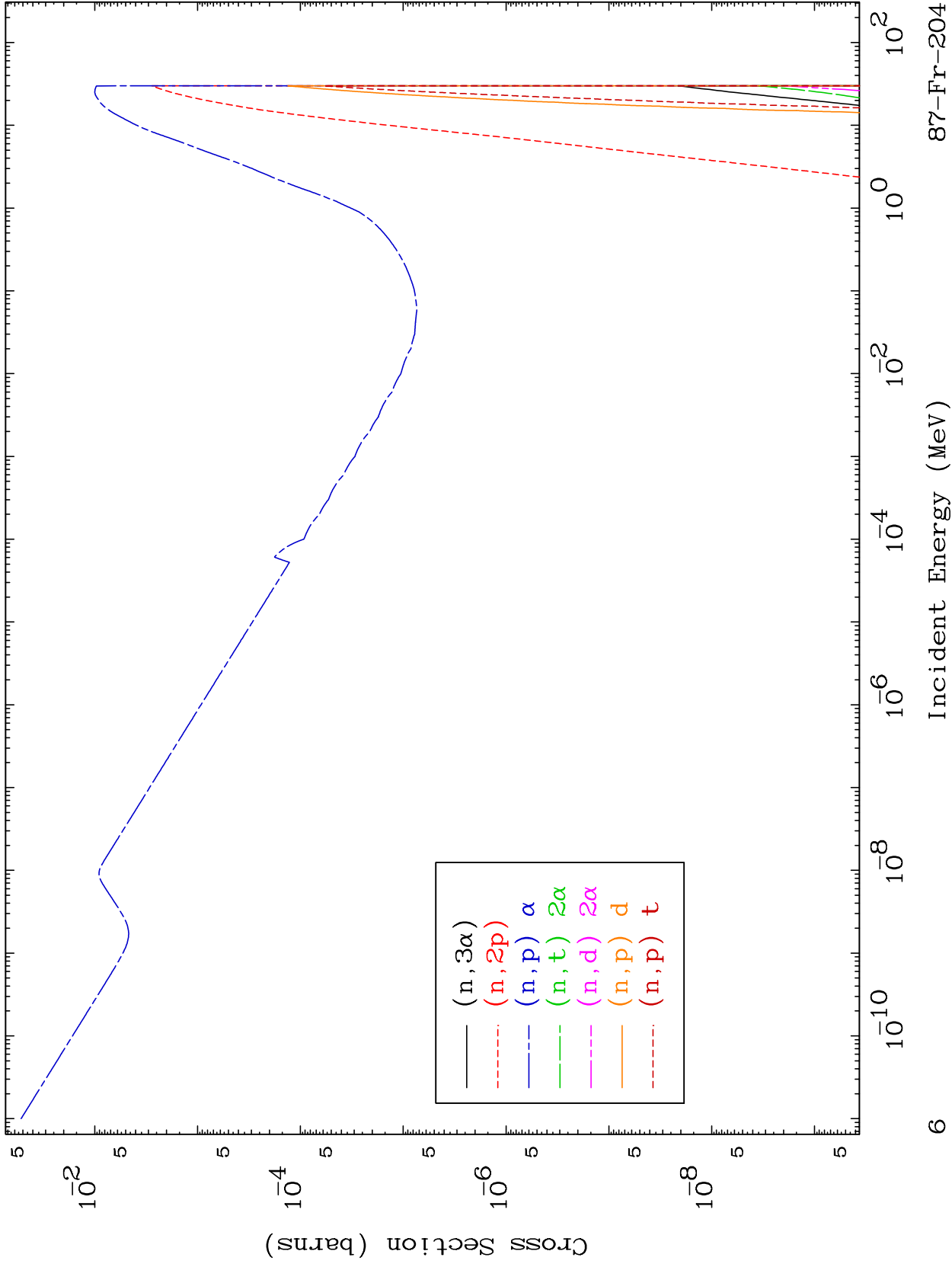
87-Fr-204



MAT 8702

Charged Particle
293 Kelvin Cross Sections

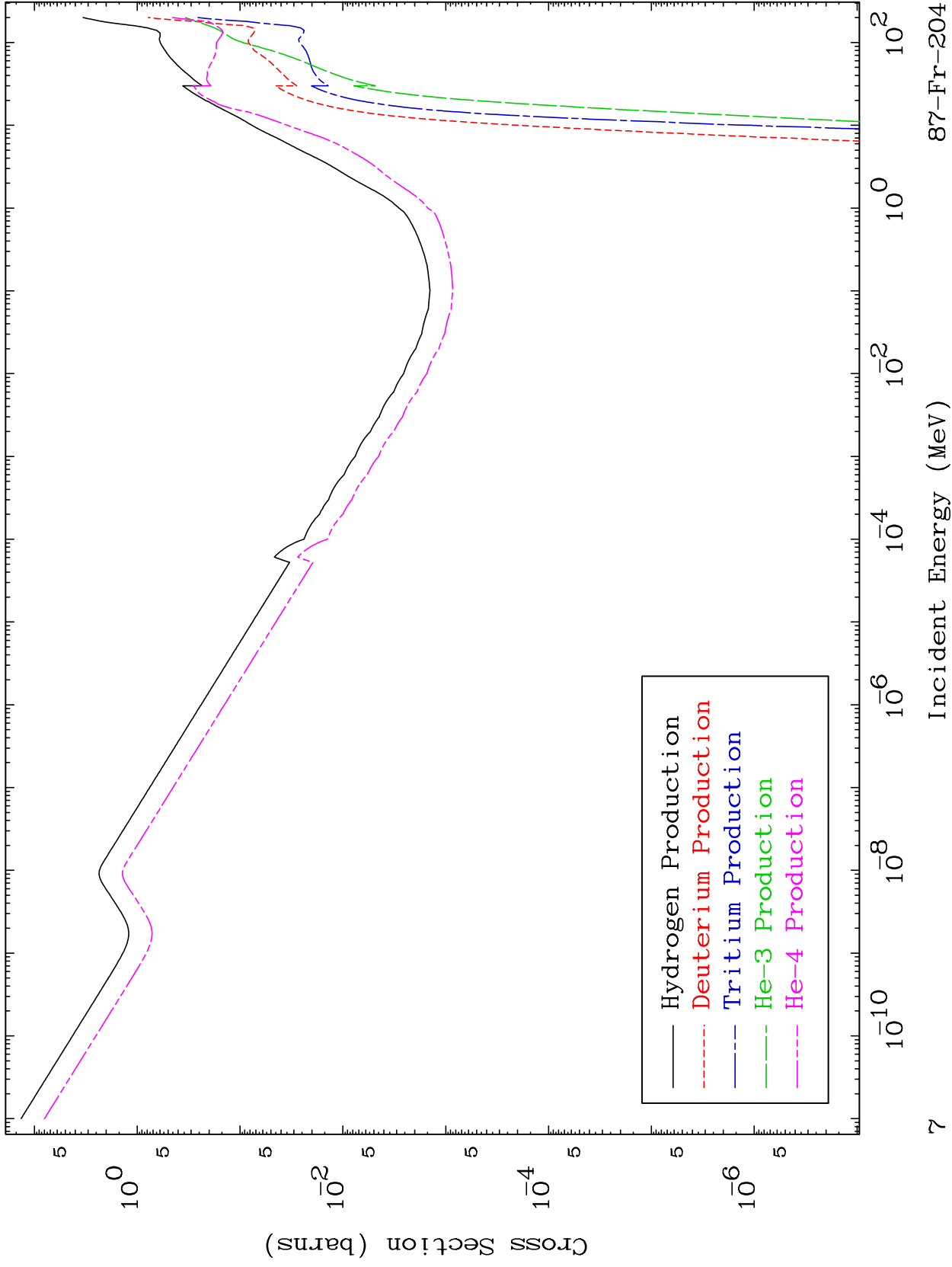
87-Fr-204



MAT 8702

Particle Production
293 Kelvin Cross Sections

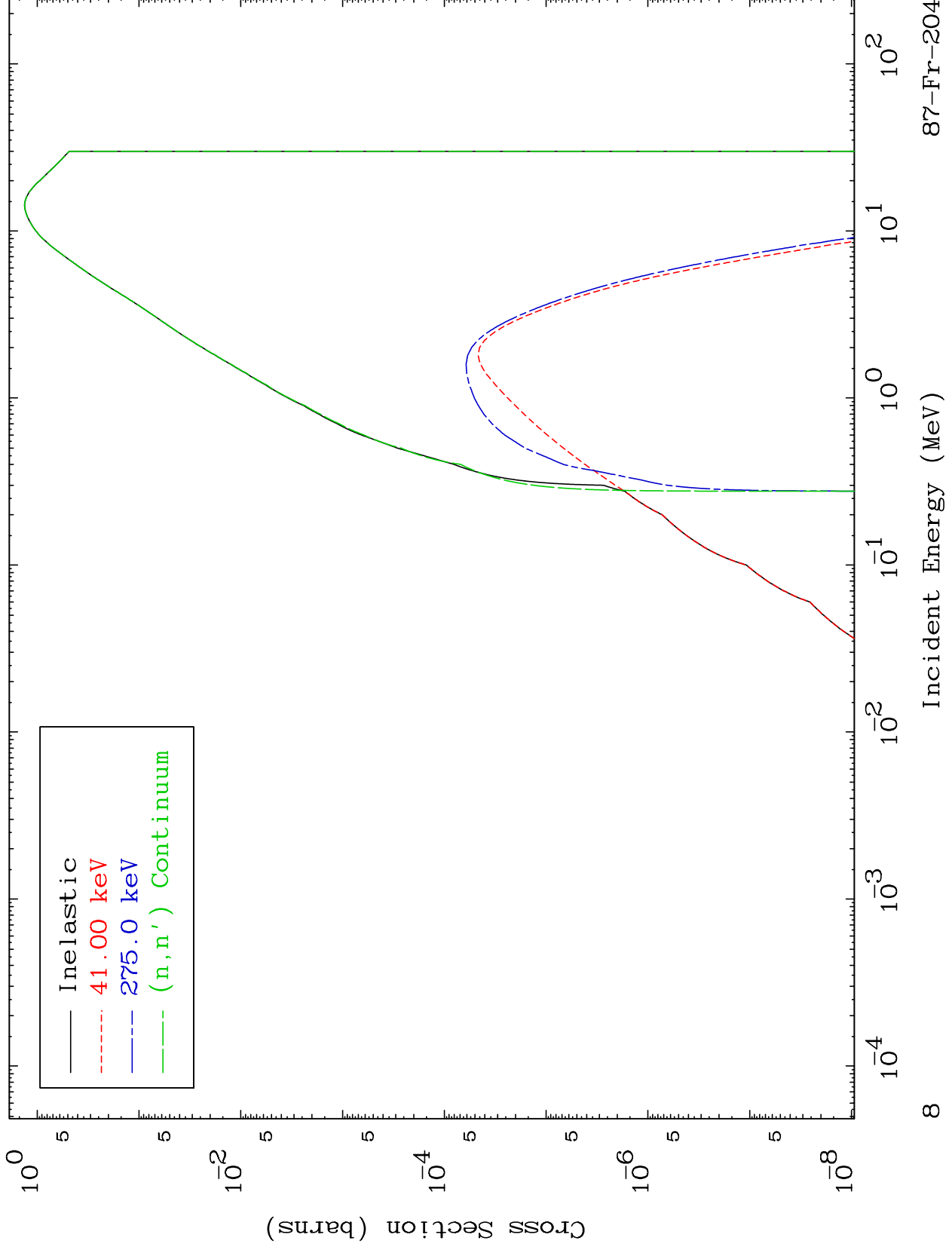
87-Fr-204



MAT 8702

(n,n') Level
293 Kelvin Cross Sections

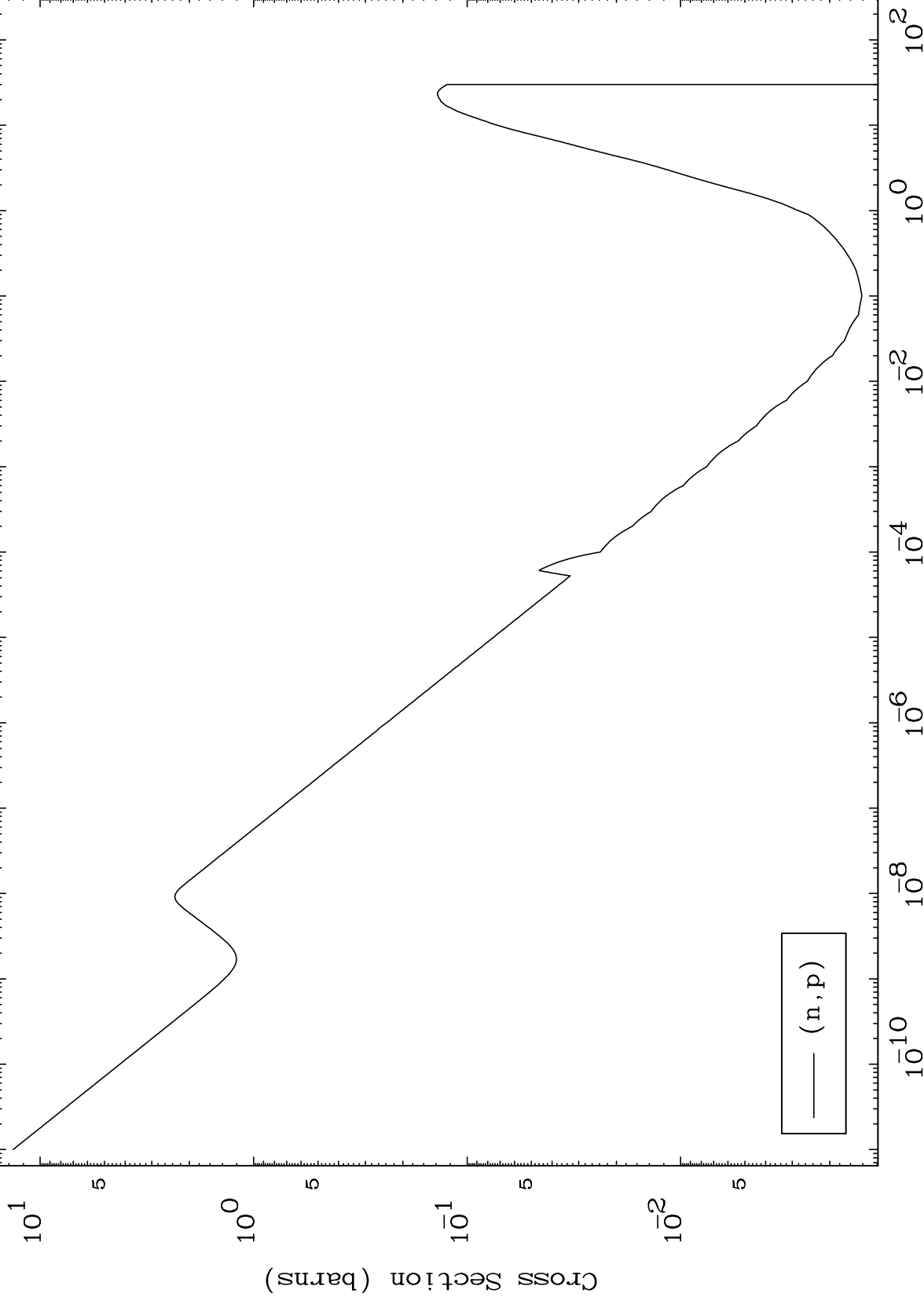
87-Fr-204



MAT 8702

(n,p) Levels
293 Kelvin Cross Sections

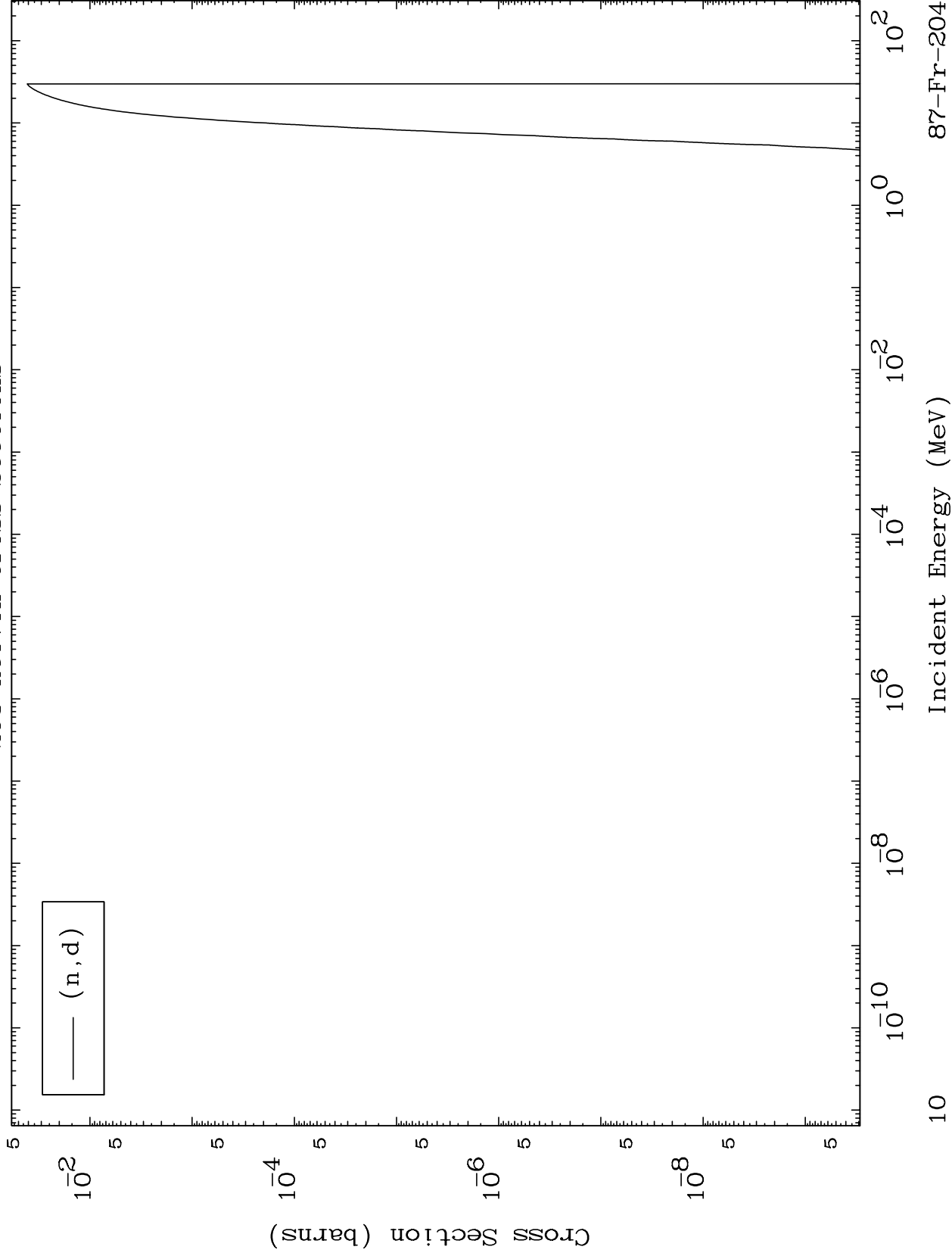
87-Fr-204



MAT 8702

(n,d) Levels
293 Kelvin Cross Sections

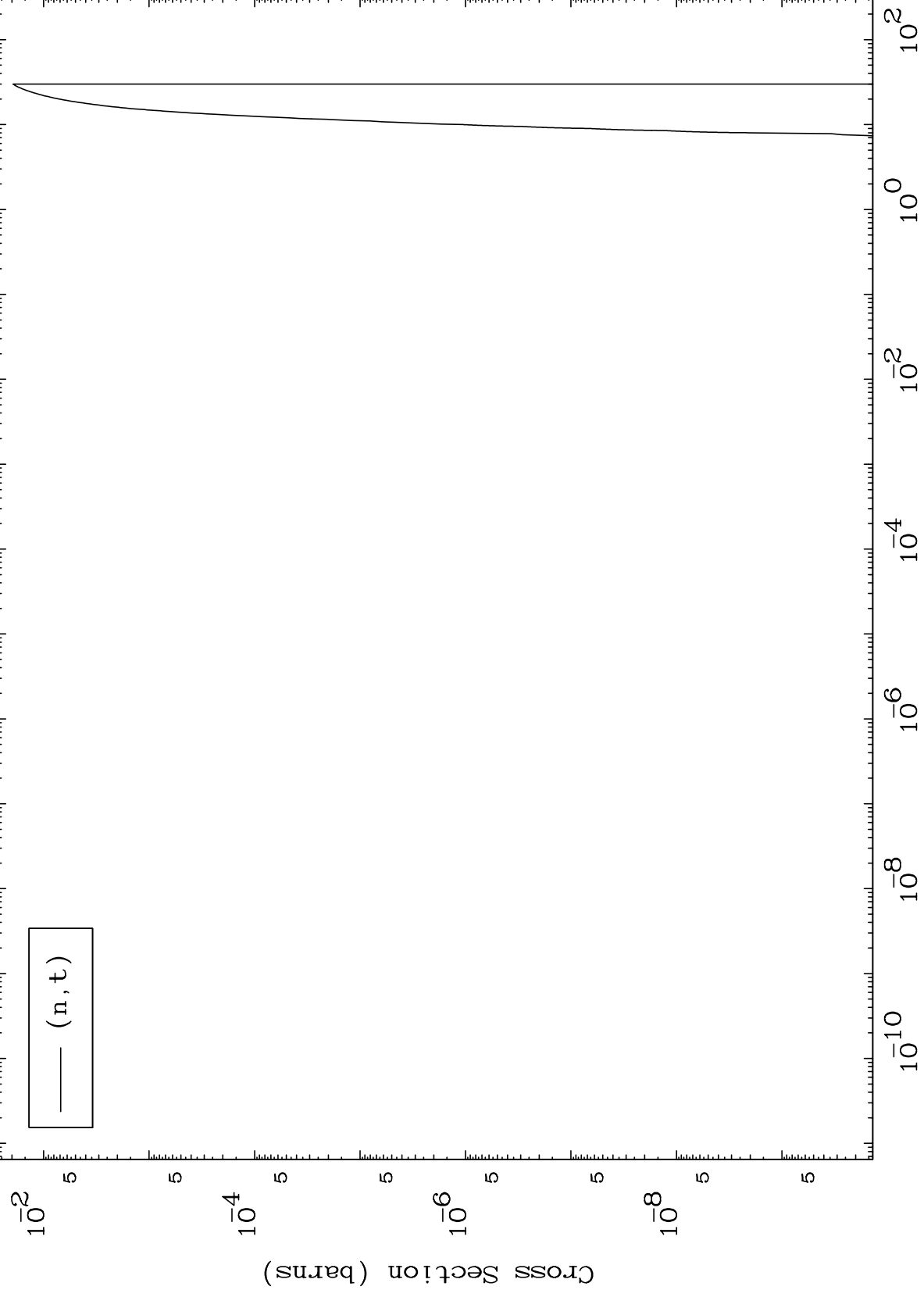
87-Fr-204



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(n,t) Levels
293 Kelvin Cross Sections

87-Fr-204

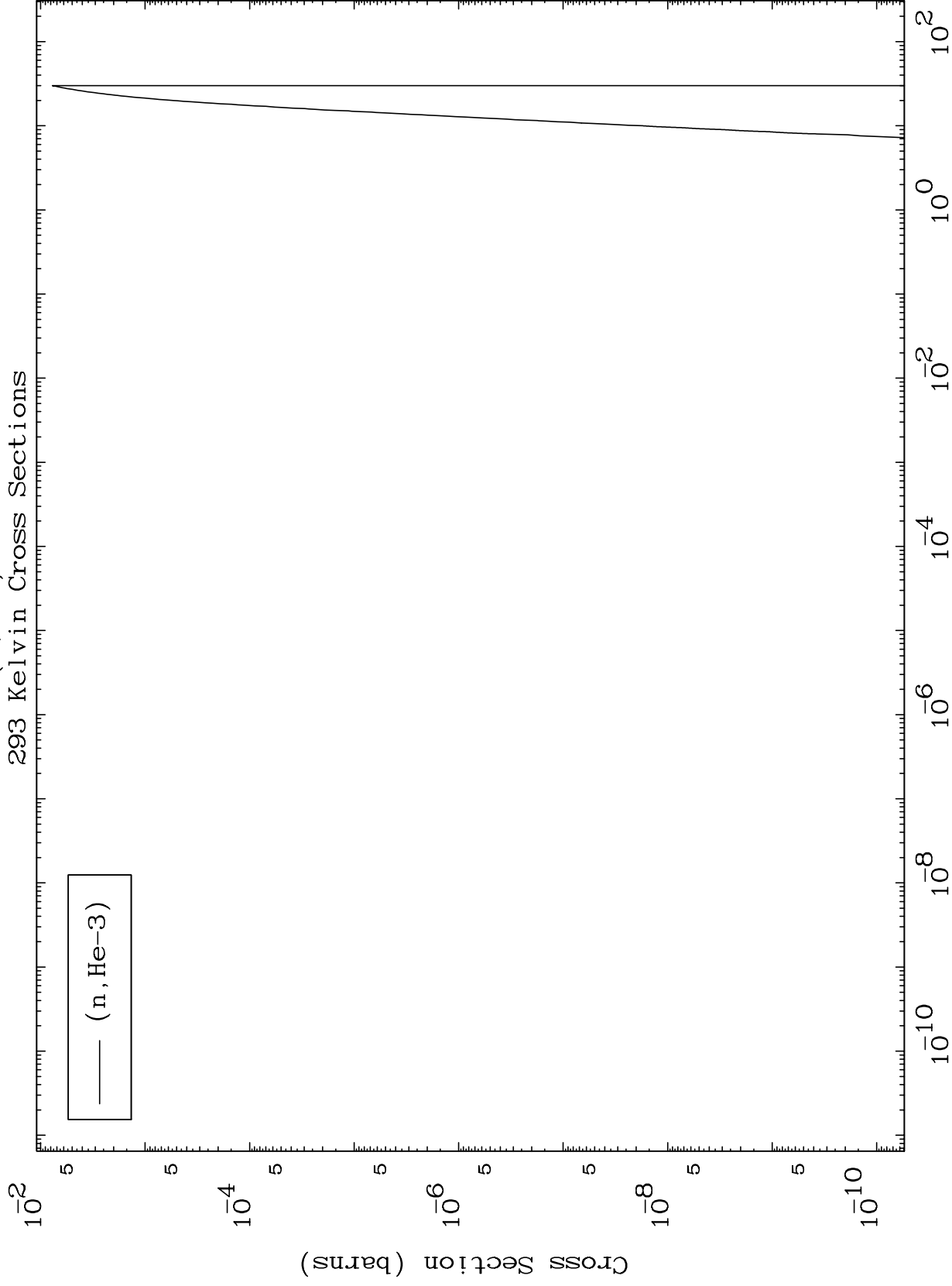


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(n,He3) Levels
293 Kelvin Cross Sections

87-Fr-204



12

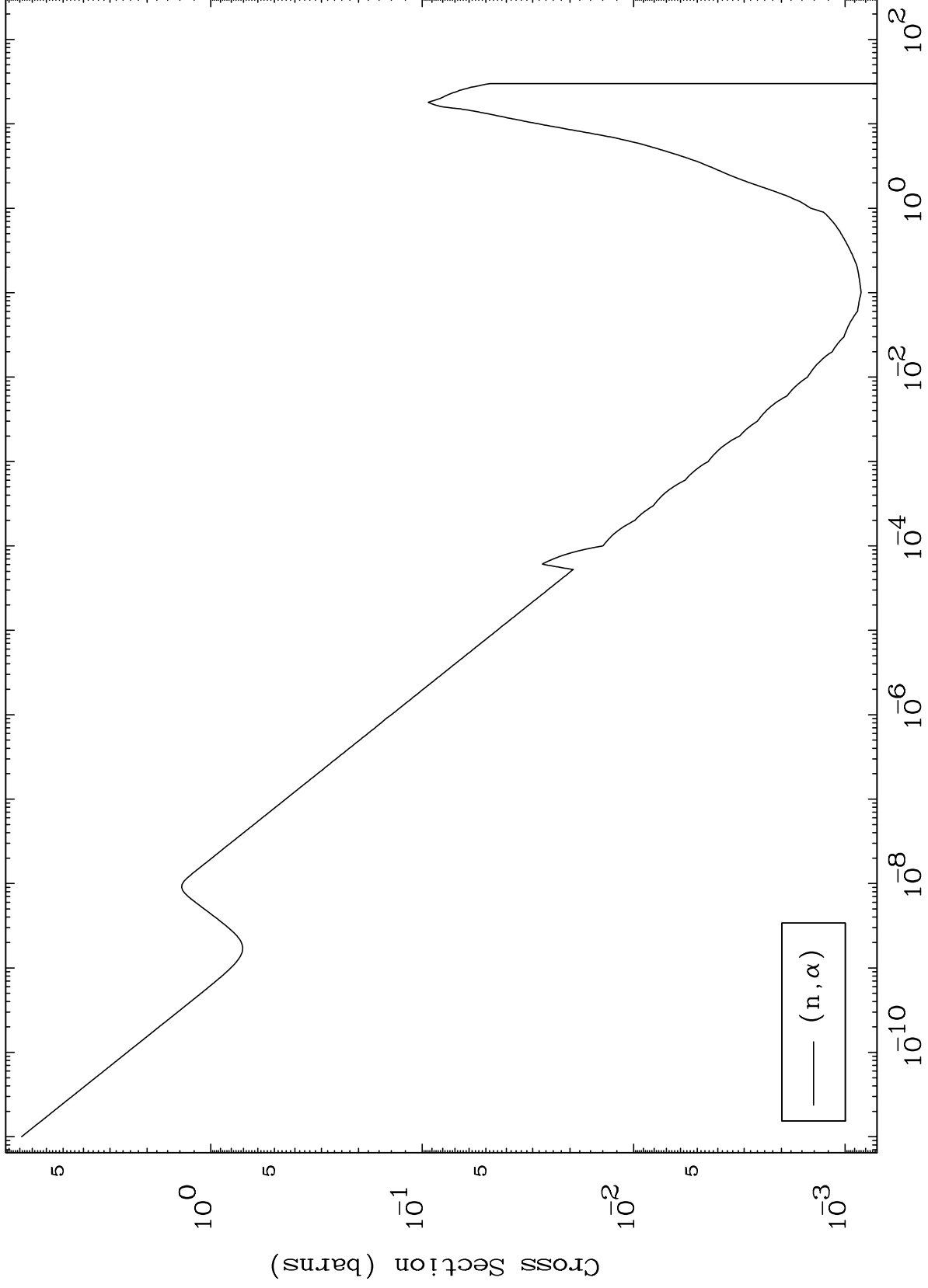
Incident Energy (MeV)

87-Fr-204

MAT 8702

(n, α) Levels
293 Kelvin Cross Sections

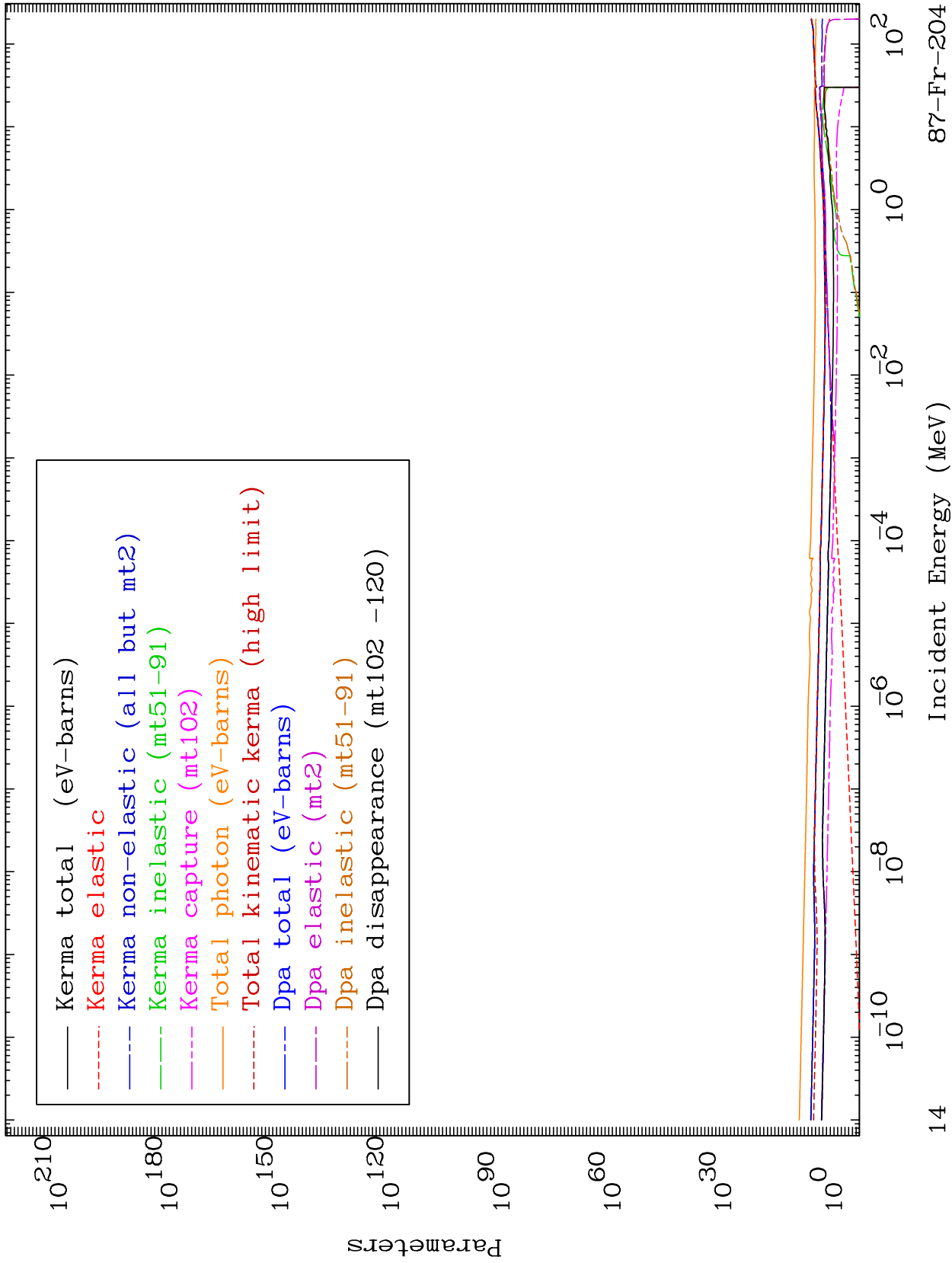
87-Fr-204



13

Incident Energy (MeV)

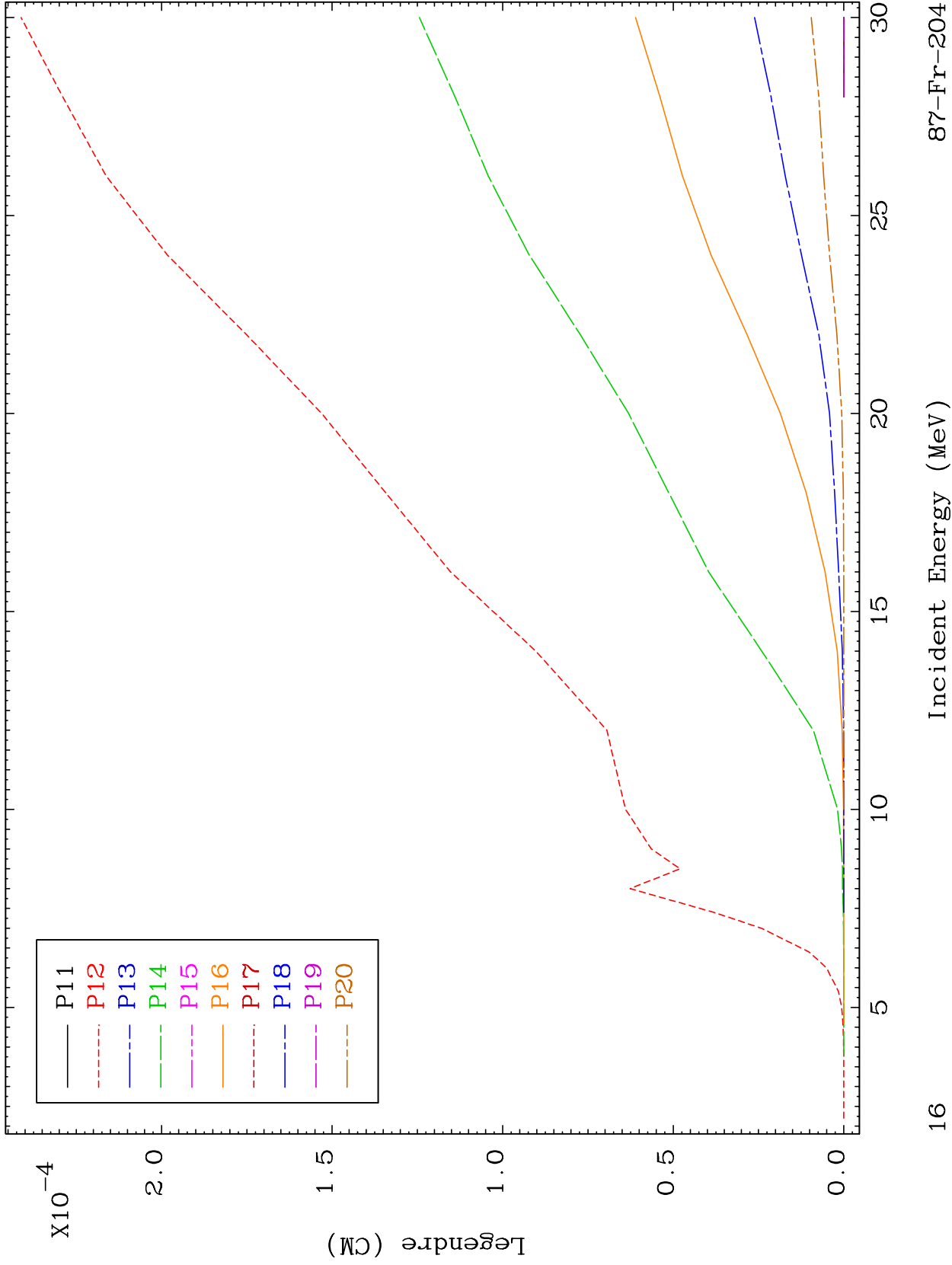
87-Fr-204



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Elastic Legendre Coefficients

87-Fr-204

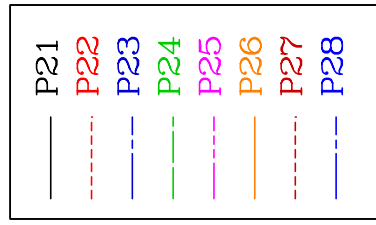


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Elastic
Legendre Coefficients

87-Fr-204



$\times 10^{-6}$

2.0

1.5

Legendre (CM)

1.0

0.5

0.0

15

20

25

30

17

Incident Energy (MeV)

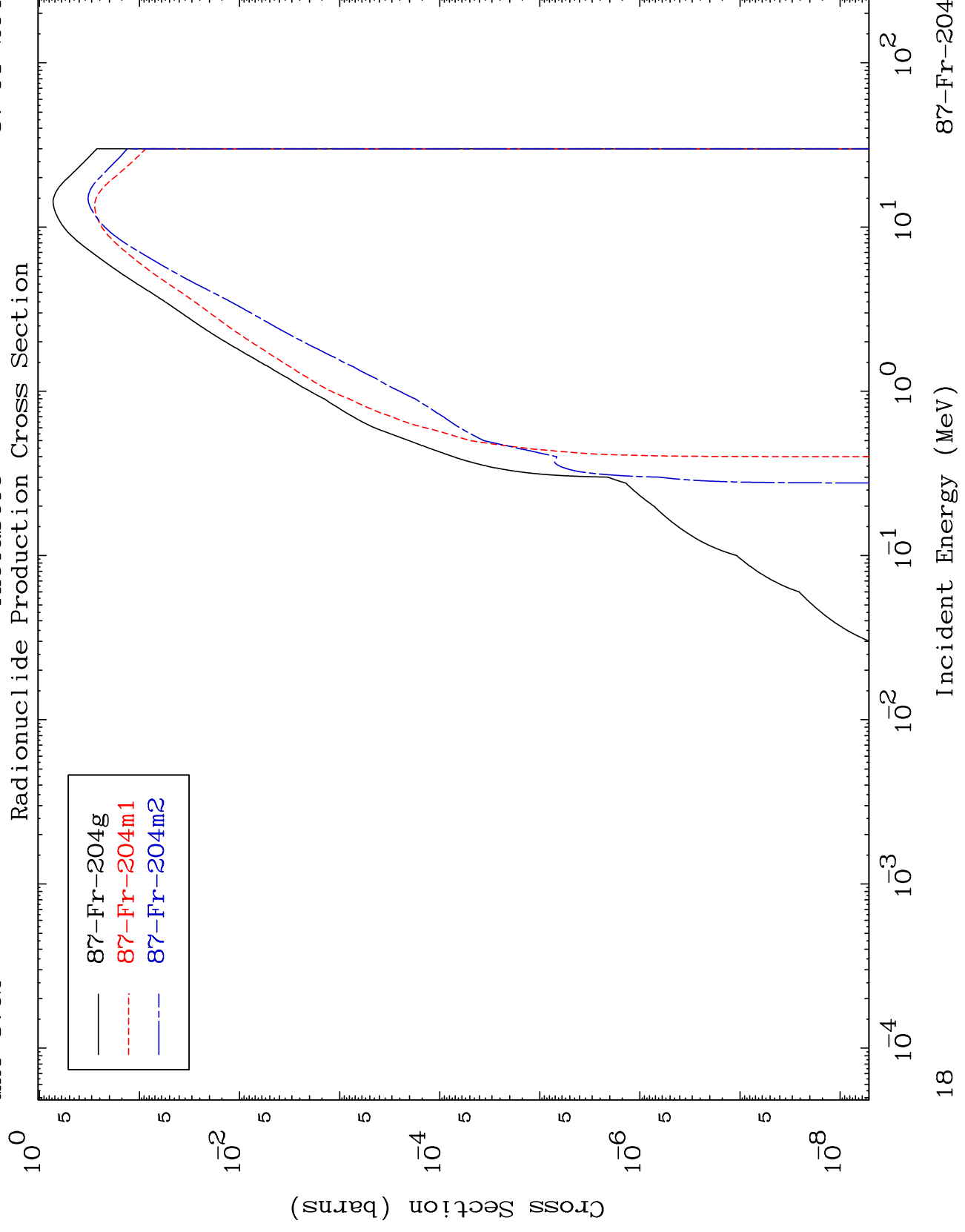
87-Fr-204



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Radionuclide Production Cross Section

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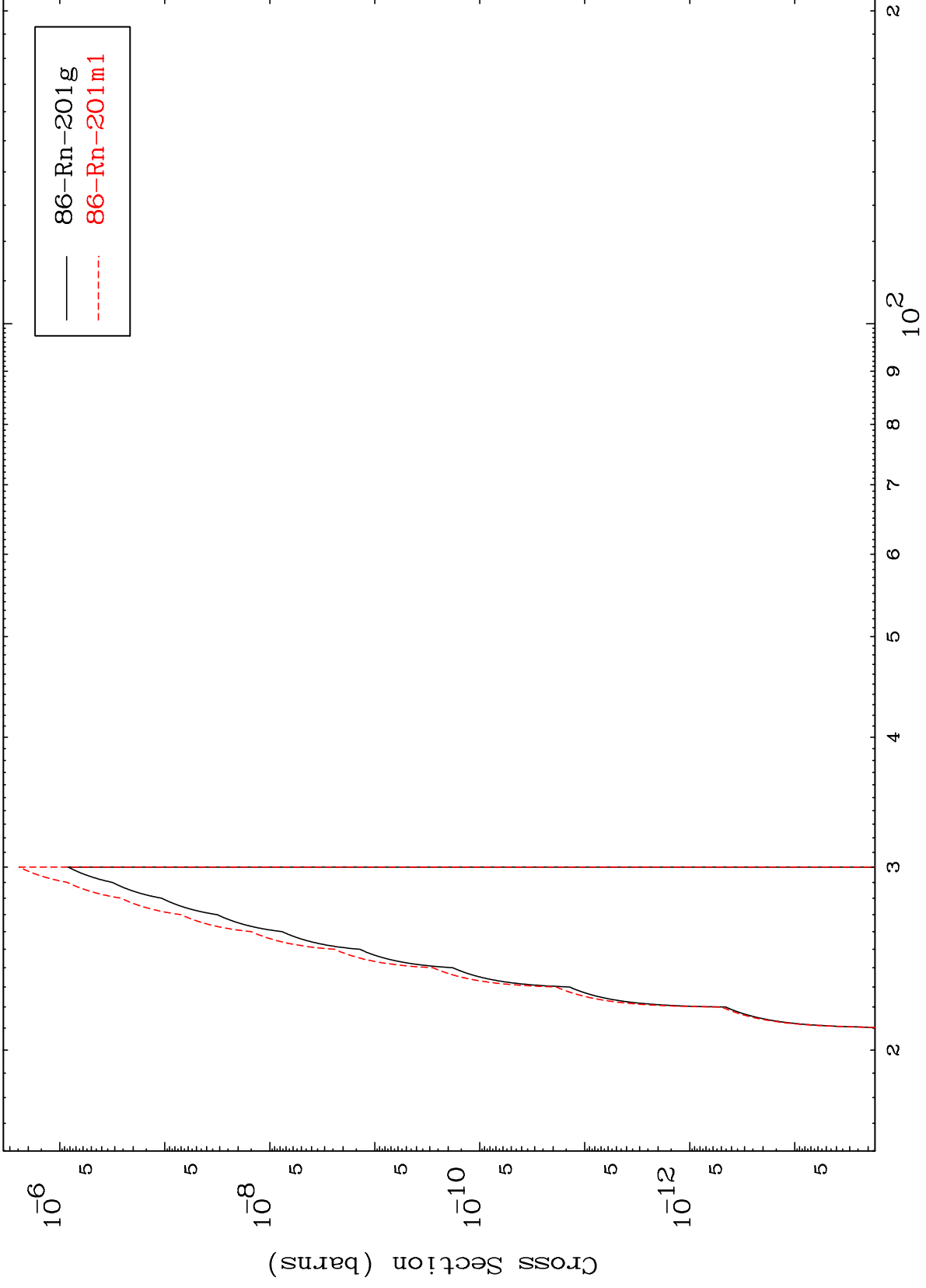
87-Fr-204

MAT 8702

(n,2n) d

87-Fr-204

Radionuclide Production Cross Section



19

Incident Energy (MeV)

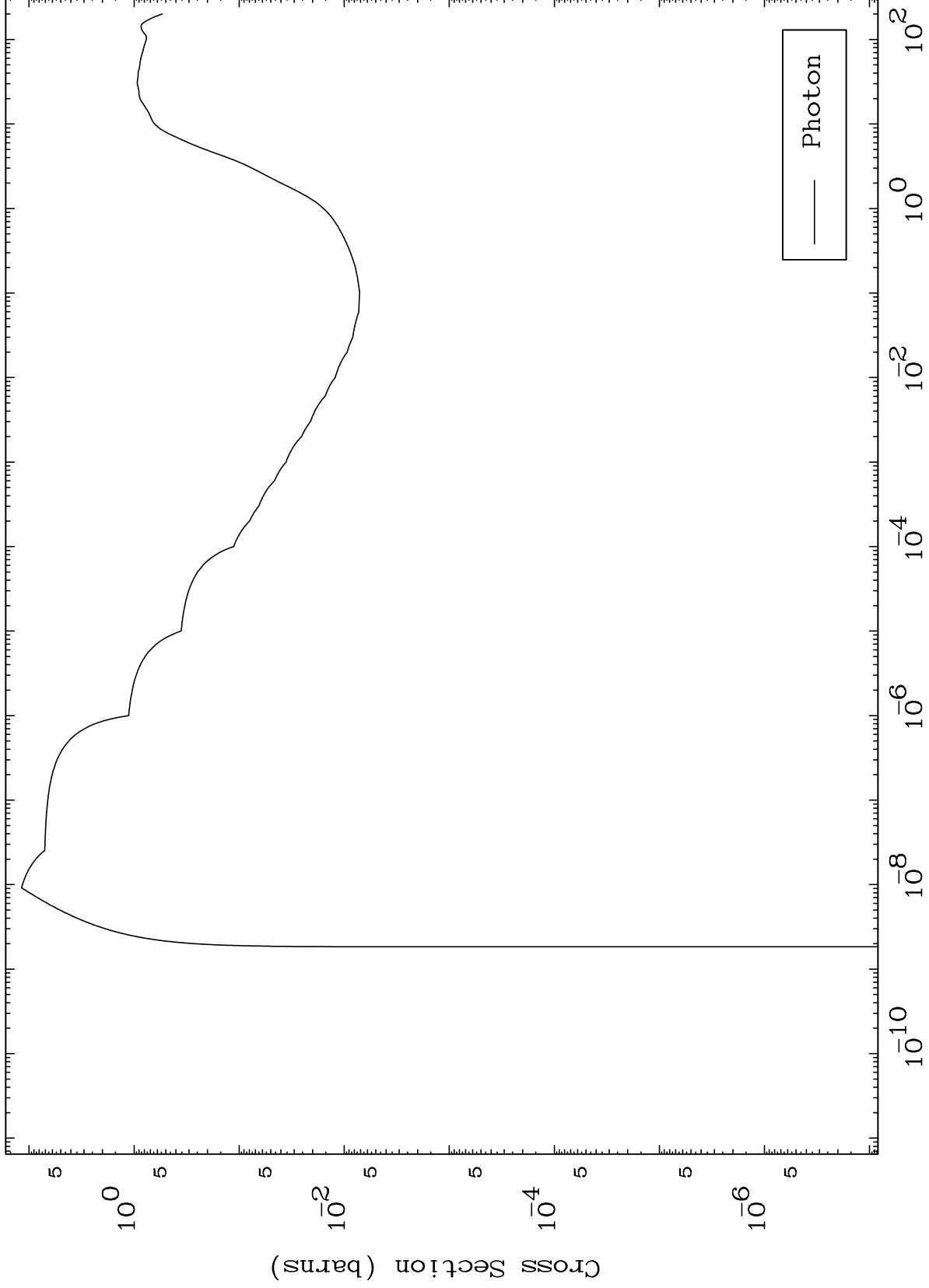
87-Fr-204

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Fission

87-Fr-204

Radionuclide Production Cross Section



20

Incident Energy (MeV)

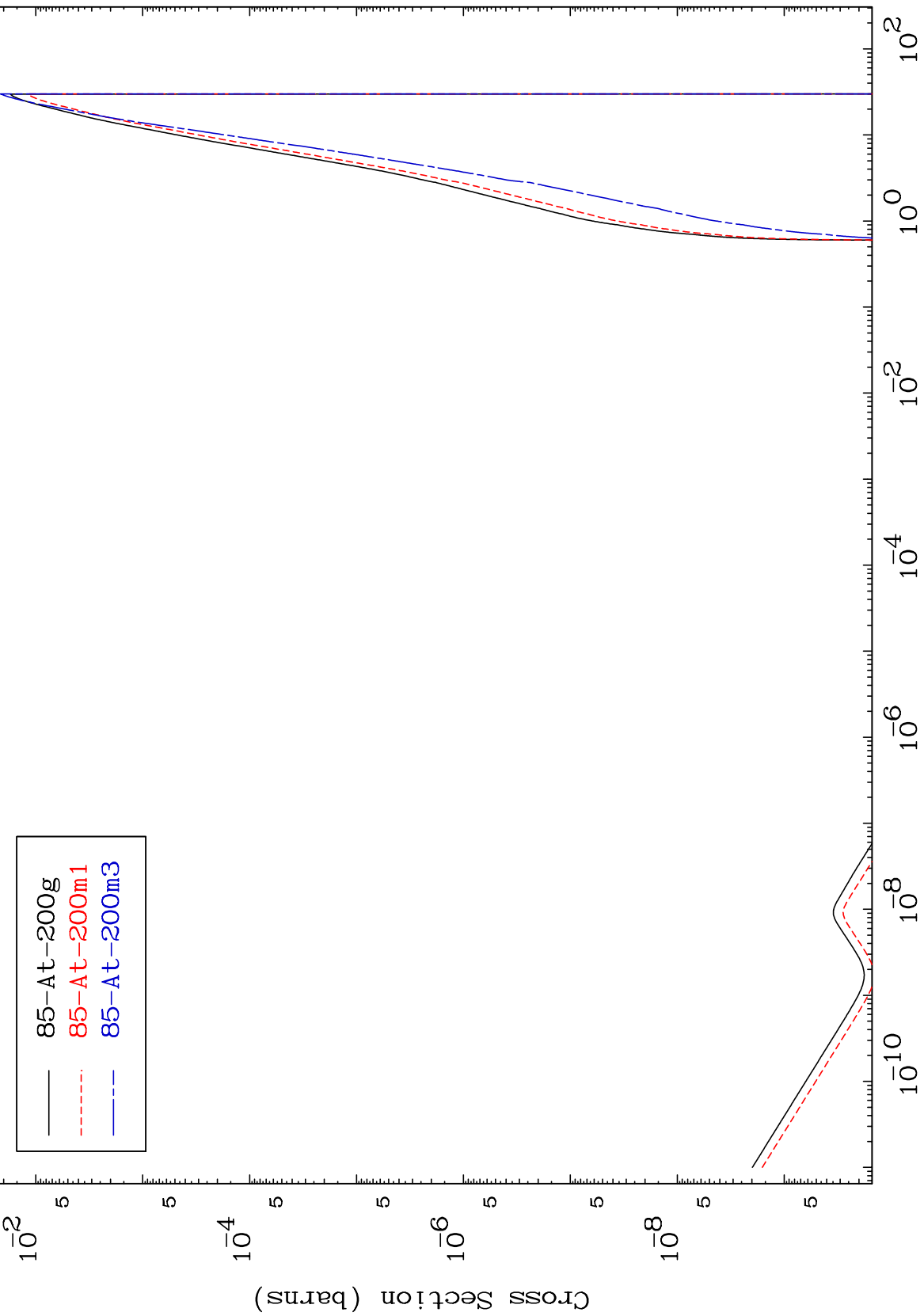
87-Fr-204

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$(n, n') \alpha$

87-Fr-204

Radionuclide Production Cross Section

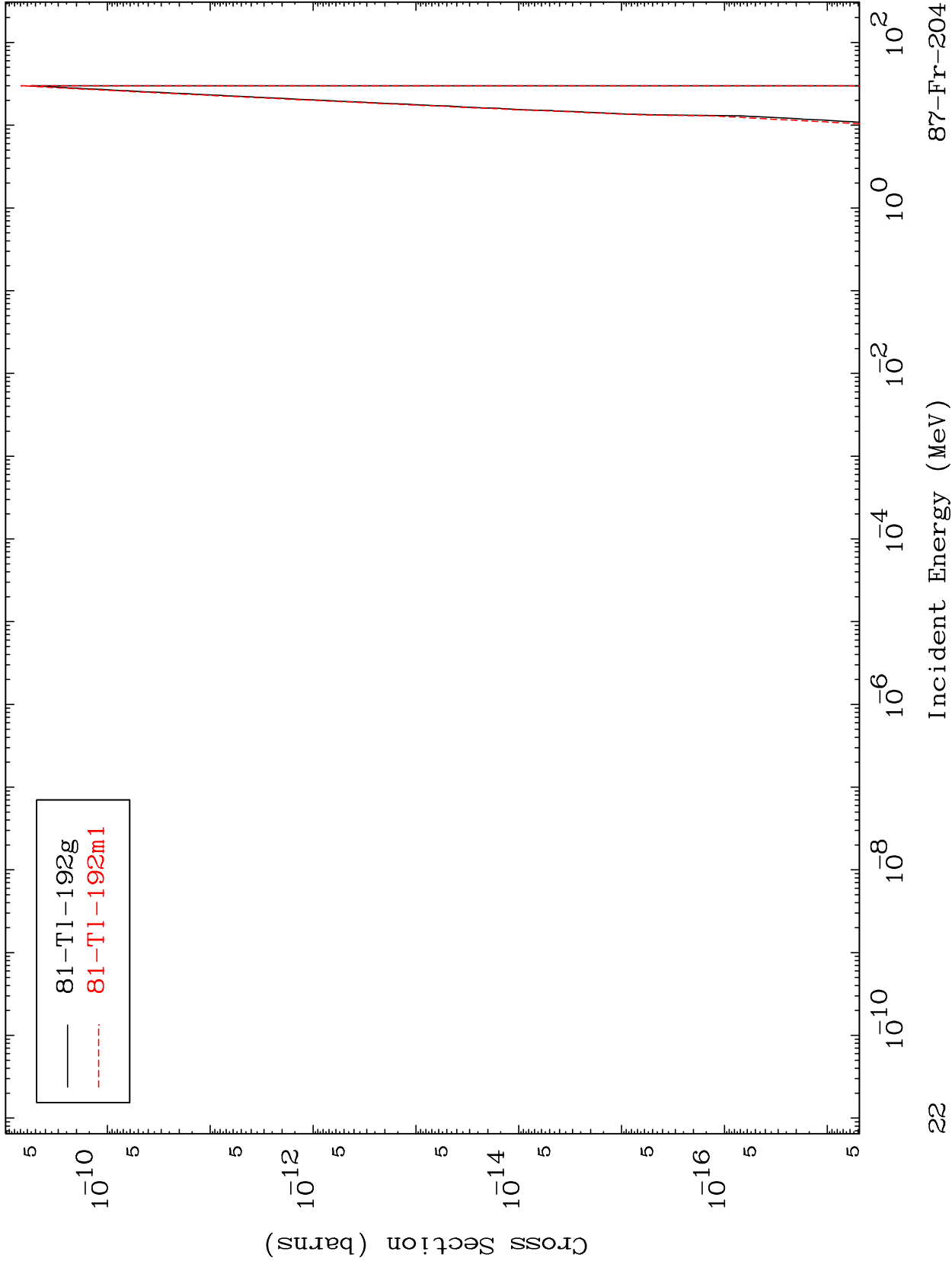


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(n,n') 3α

87-Fr-204

Radionuclide Production Cross Section



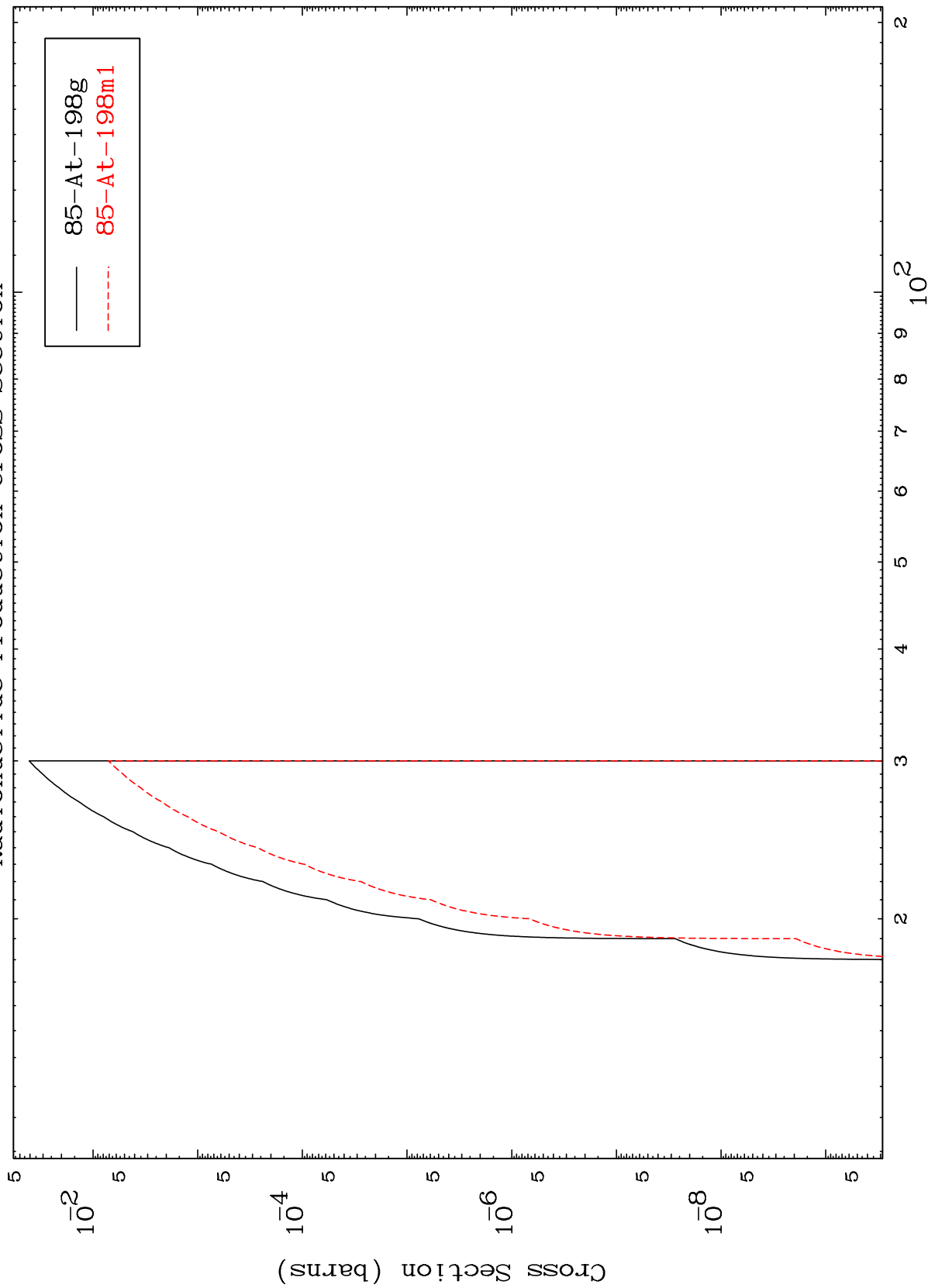
81-Tl-192g
81-Tl-192m1

MAT 8702

(n,3n) α

87-Fr-204

Radionuclide Production Cross Section

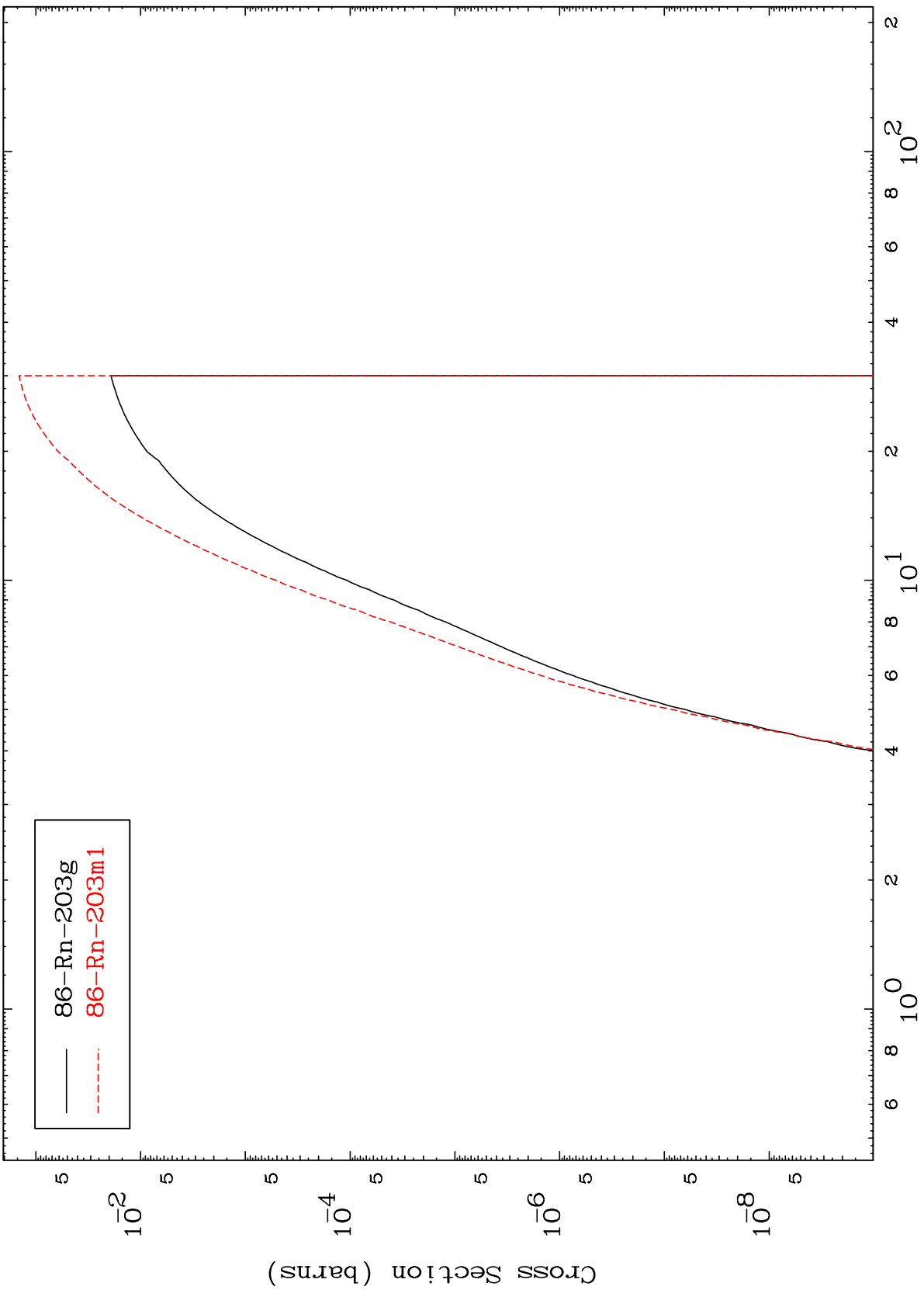
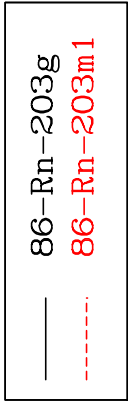


MAT 8702

(n,n') p

87-Fr-204

Radionuclide Production Cross Section



24

Incident Energy (MeV)

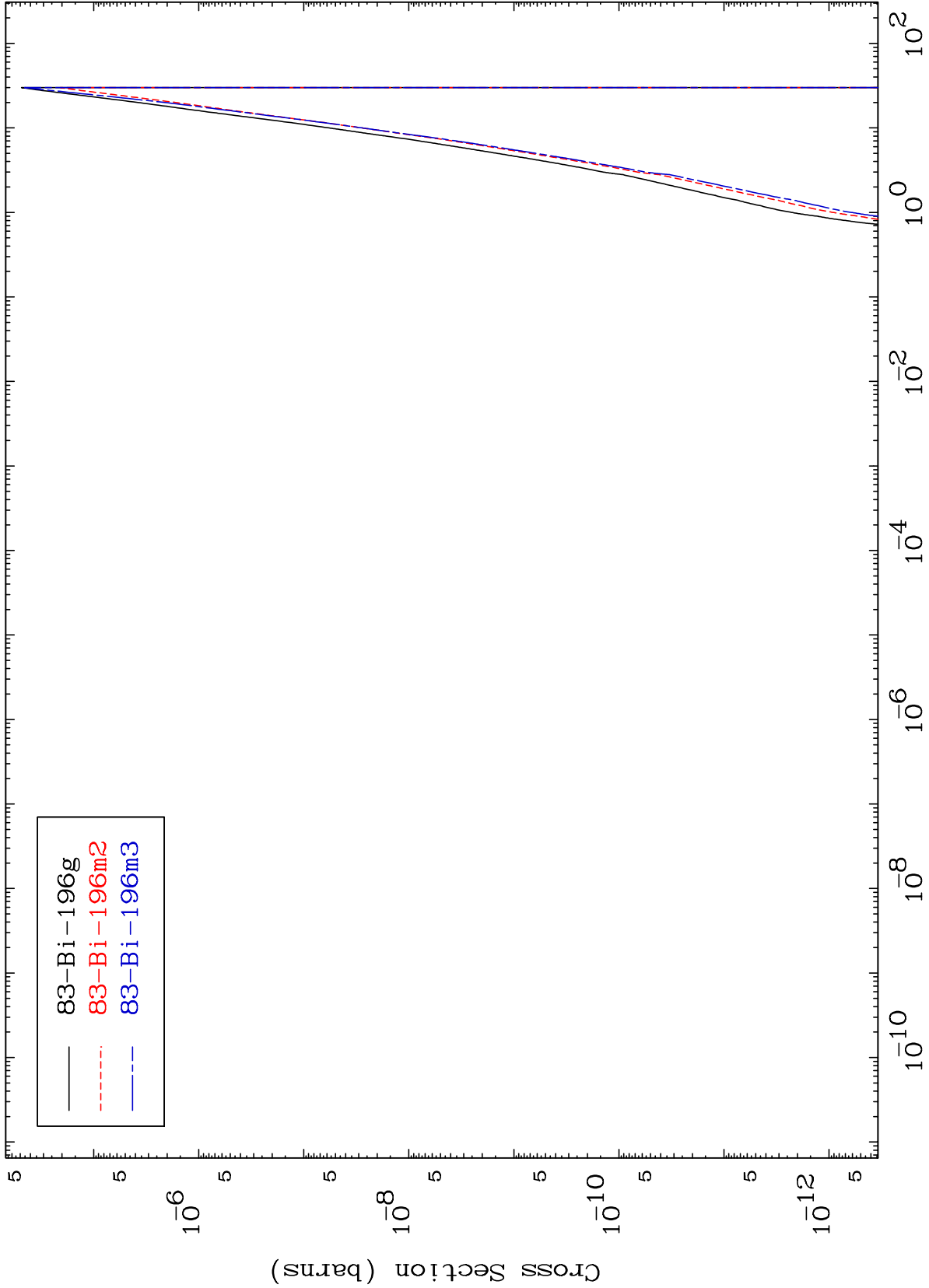
87-Fr-204

MAT 8702

(n,n') 2 α

87-Fr-204

Radionuclide Production Cross Section



25

Incident Energy (MeV)

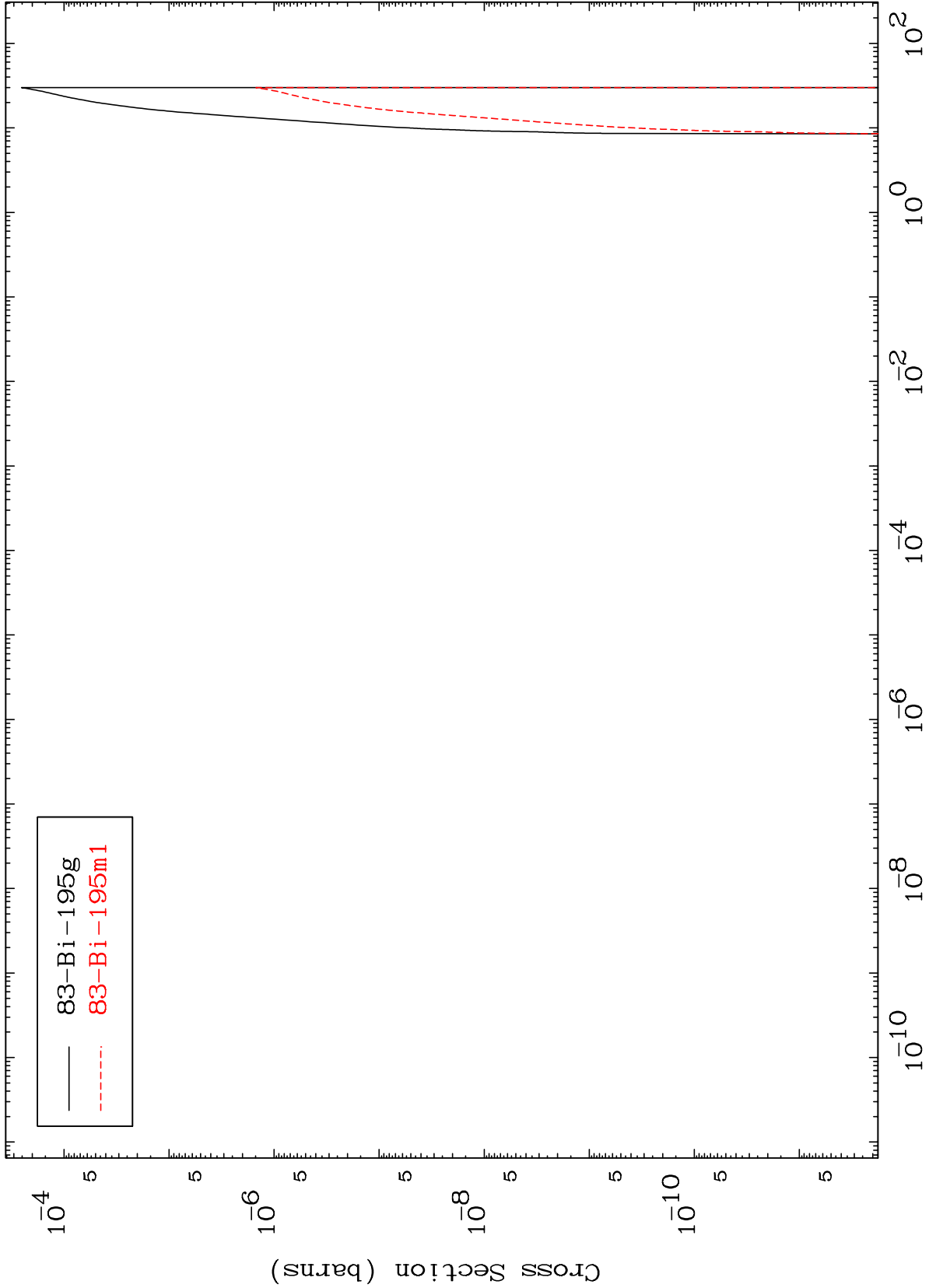
87-Fr-204

MAT 8702

(n,2n) 2 α

87-Fr-204

Radionuclide Production Cross Section

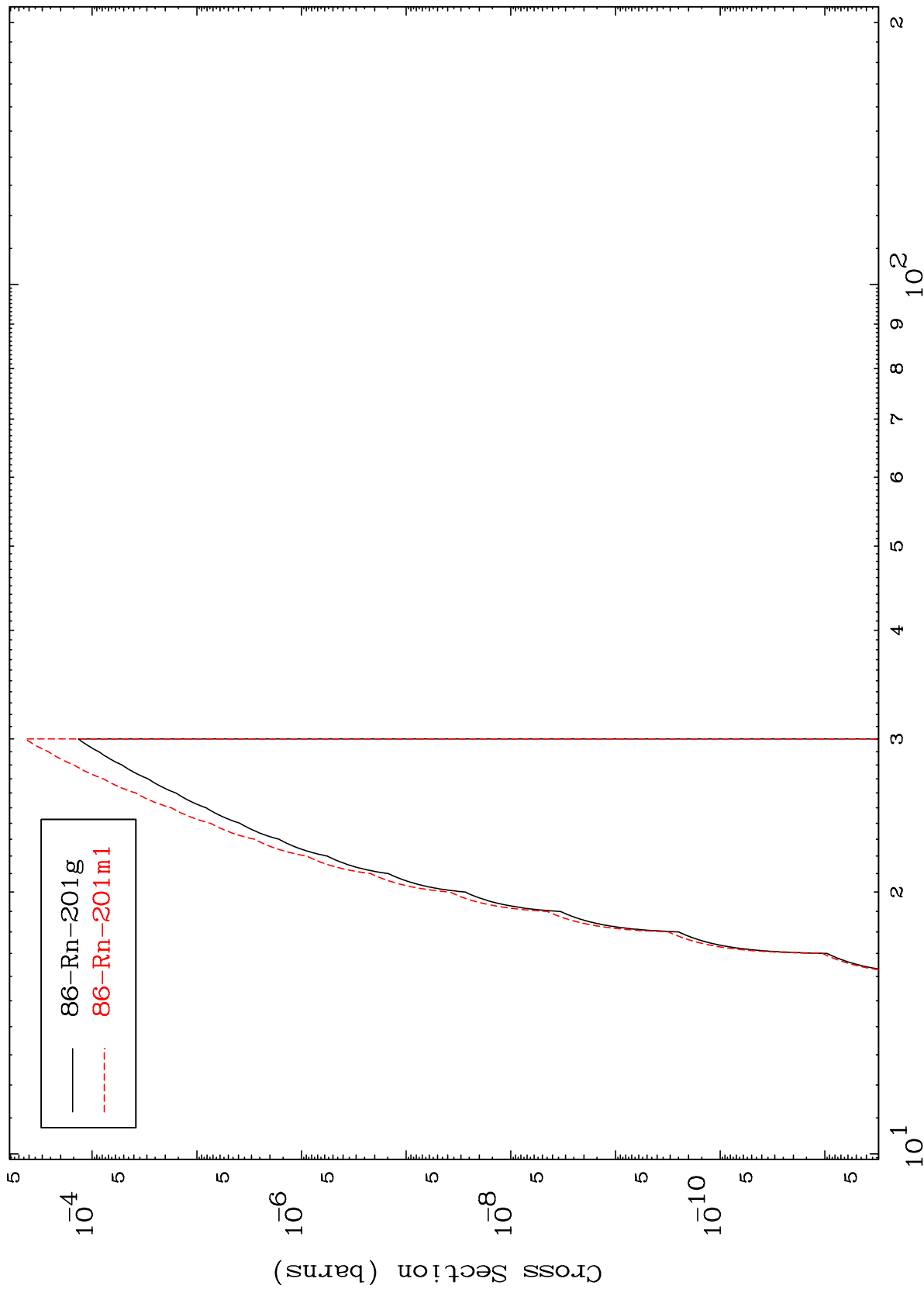


MAT 8702

(n,n') t

87-Fr-204

Radionuclide Production Cross Section



Incident Energy (MeV)

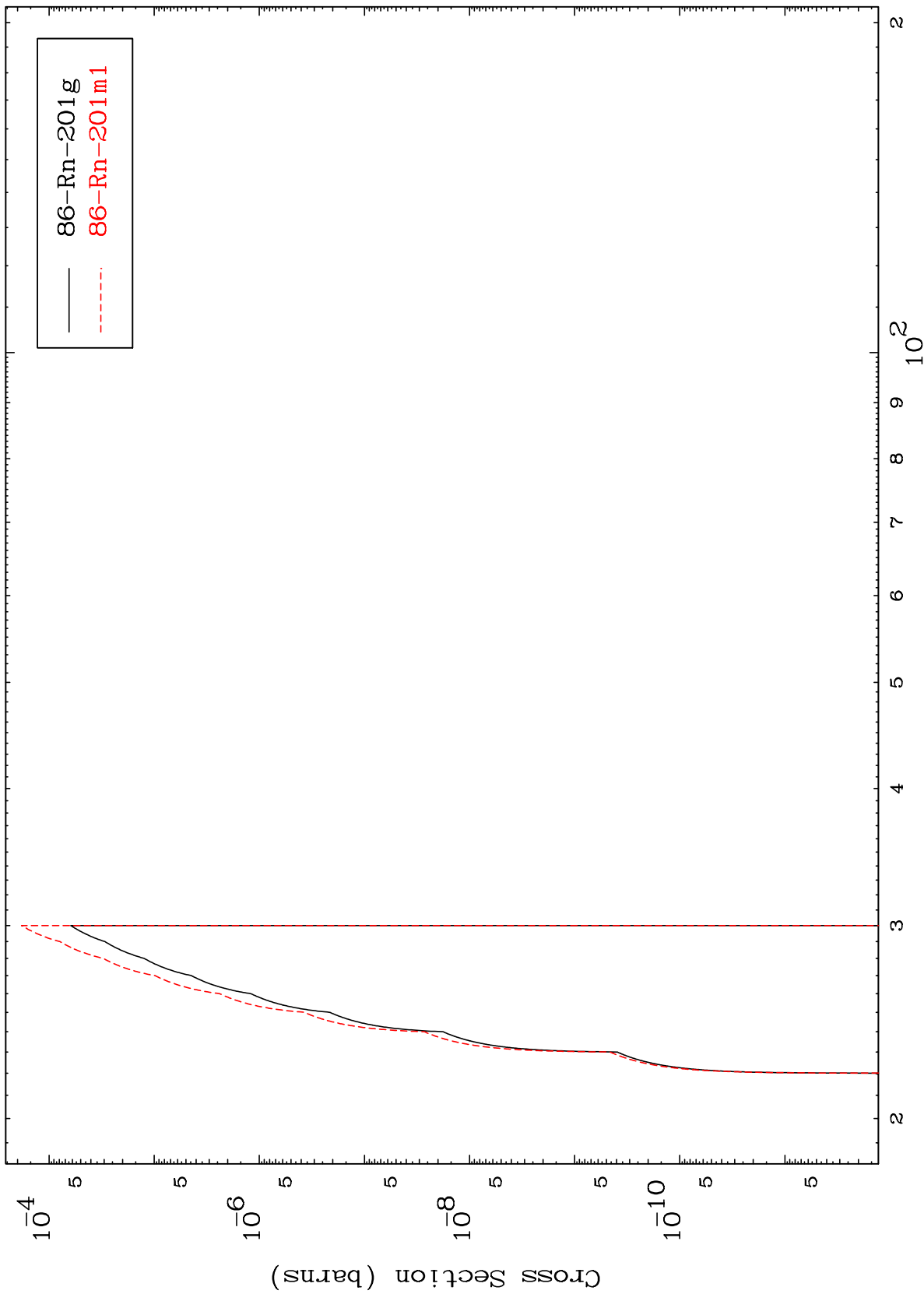
87-Fr-204

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MAT 8702

87-Fr-204

(n,3n) p
Radionuclide Production Cross Section



28

Incident Energy (MeV)

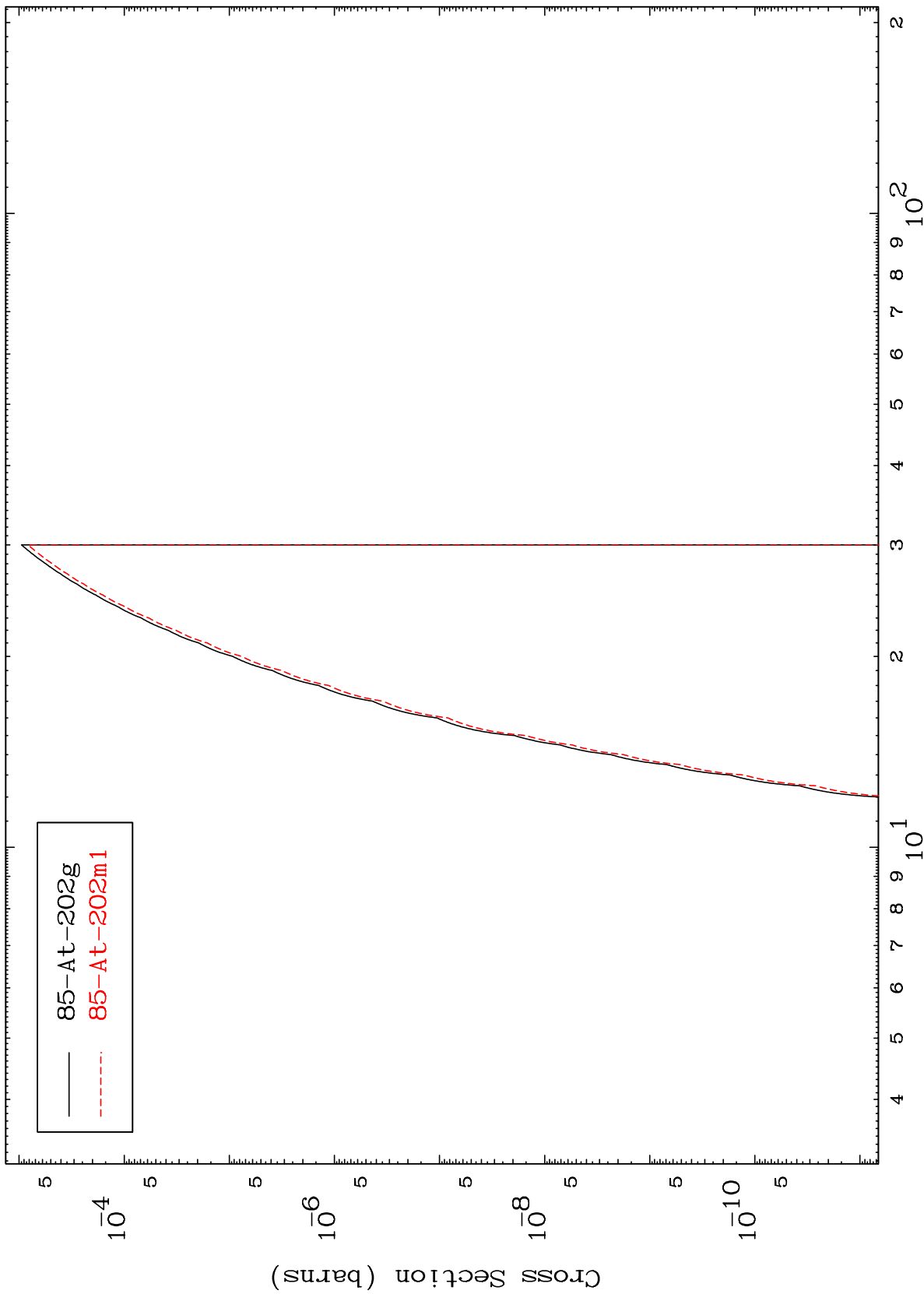
87-Fr-204

MAT 8702

(n,2n) p

87-Fr-204

Radionuclide Production Cross Section



29

Incident Energy (MeV)

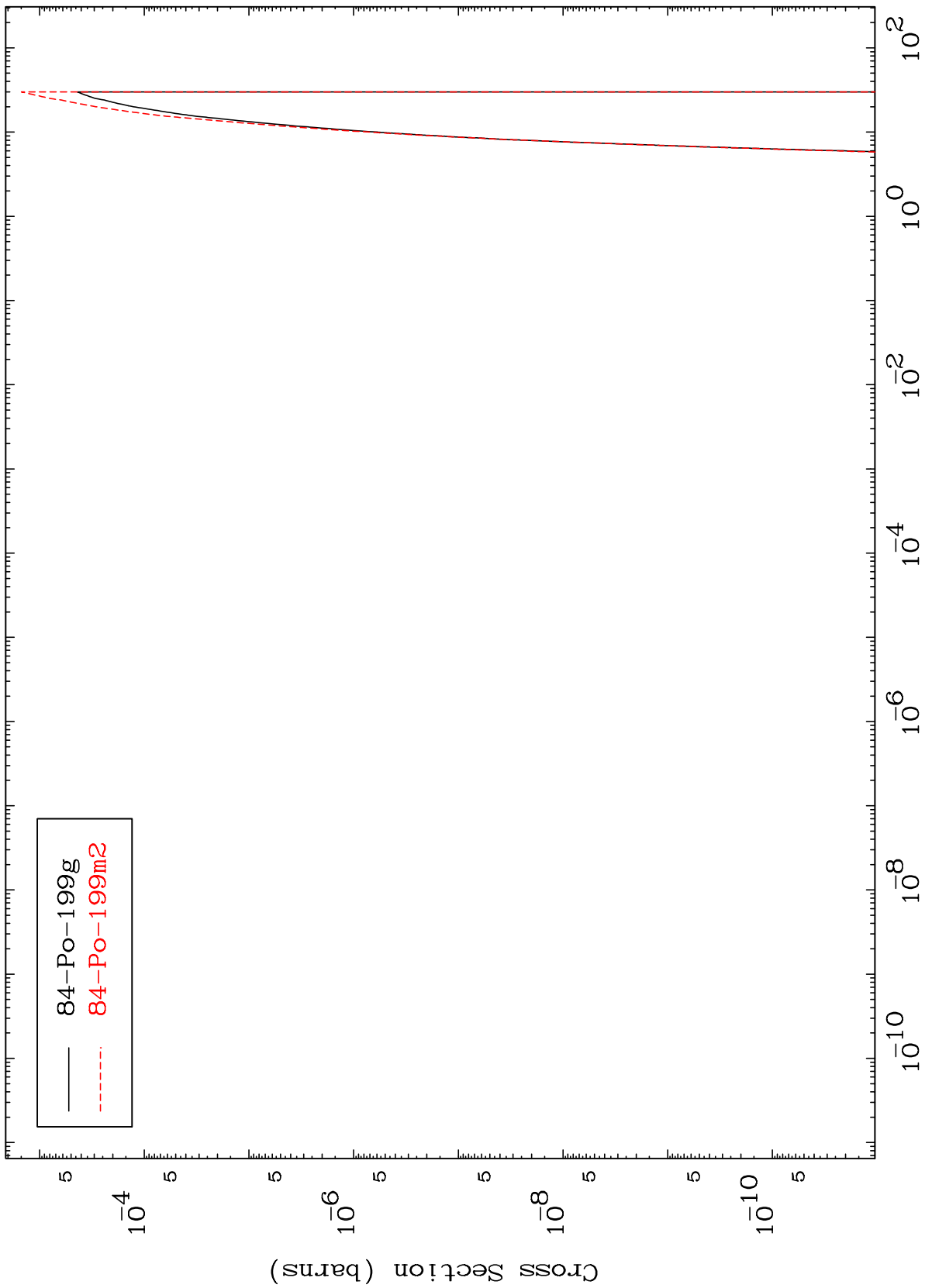
87-Fr-204

MAT 8702

(n,n') p α

87-Fr-204

Radionuclide Production Cross Section

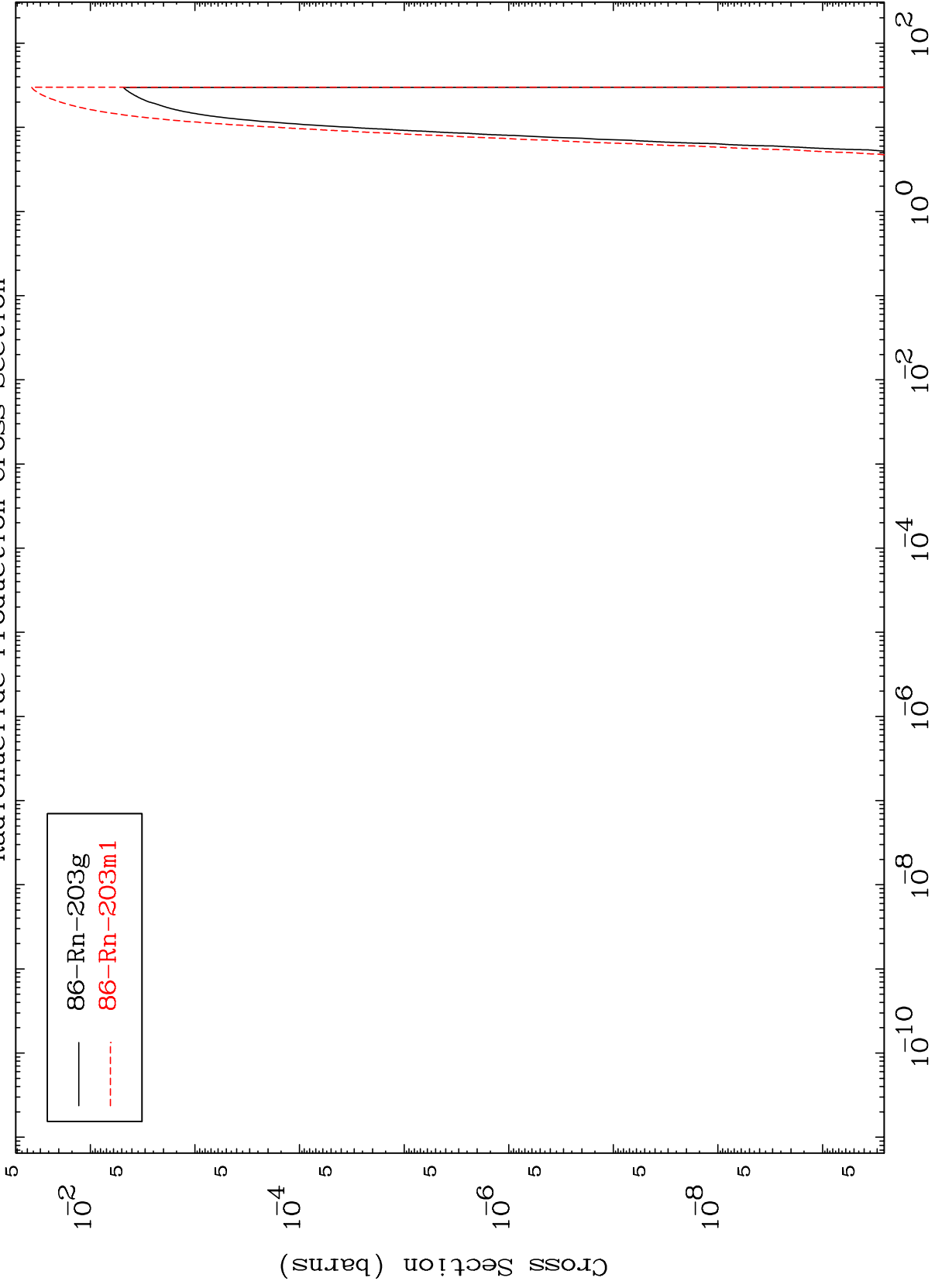


MAT 8702

(n,d)

87-Fr-204

Radionuclide Production Cross Section

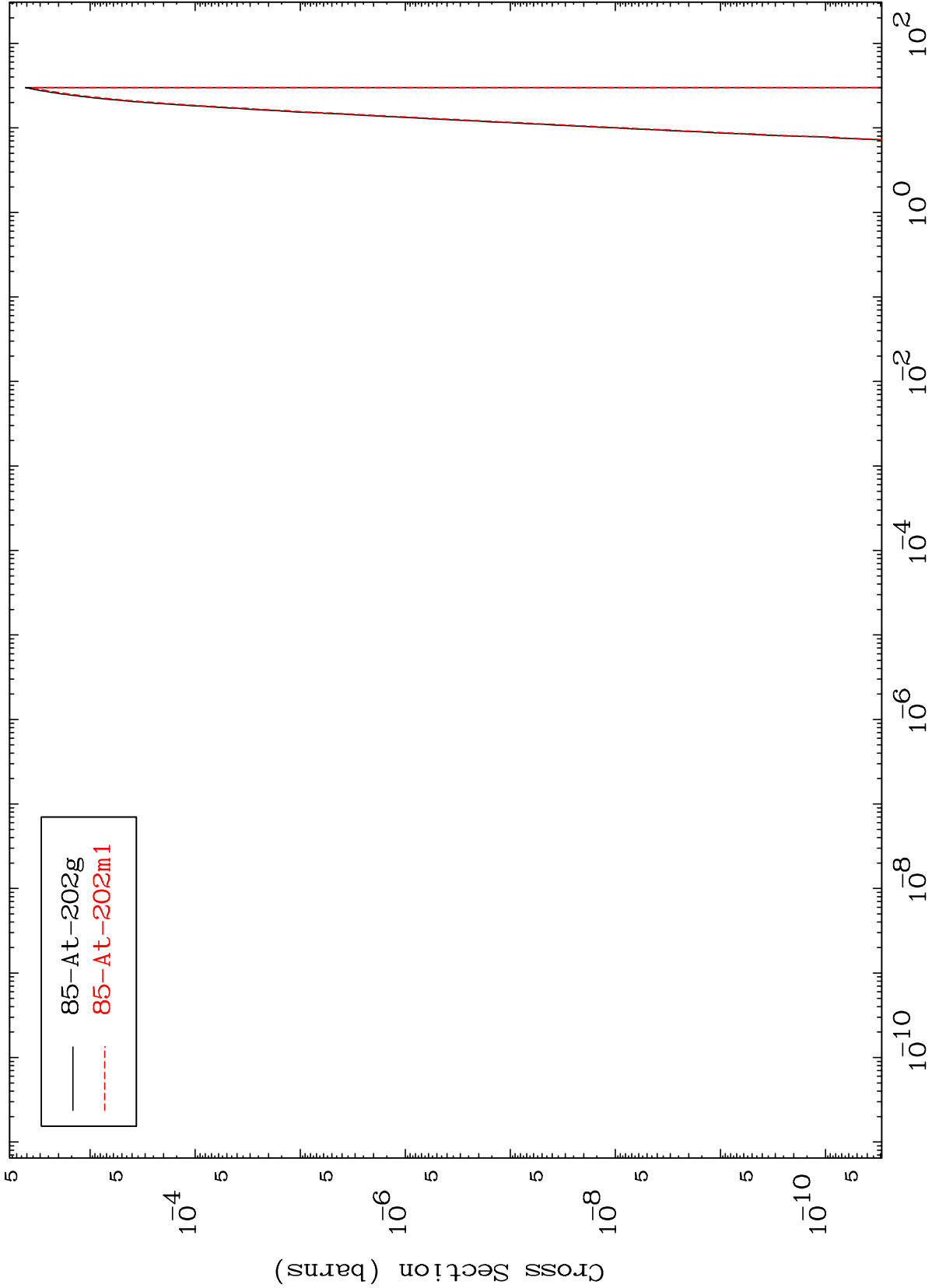


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(n,He-3)

87-Fr-204

Radionuclide Production Cross Section

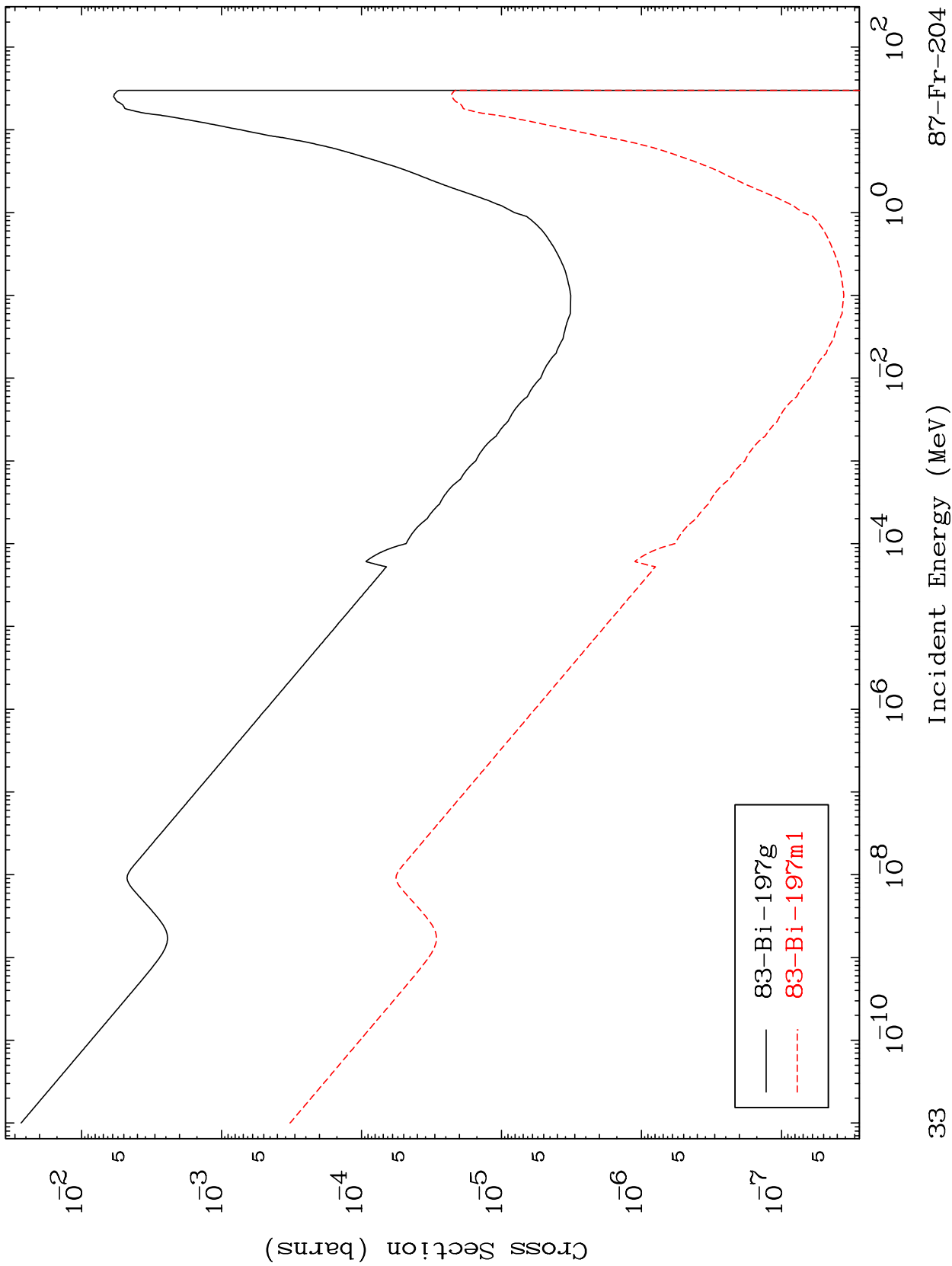


85-At-202g
85-At-202m1

MAT 8702

87-Fr-204

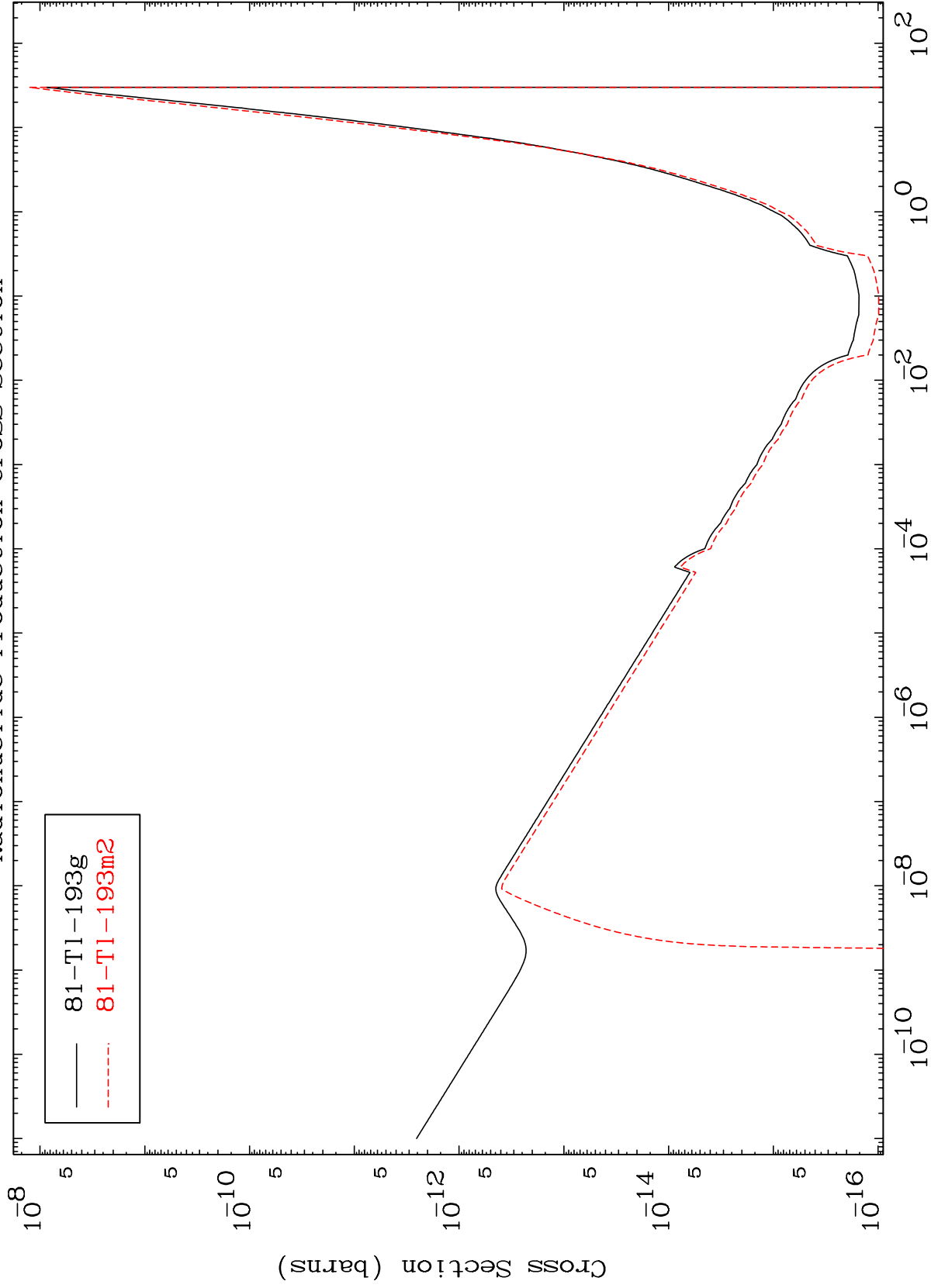
(n,2α)
Radionuclide Production Cross Section



MAT 8702

87-Fr-204

(n, 3 α)
Radionuclide Production Cross Section



87-Fr-204

Incident Energy (MeV)

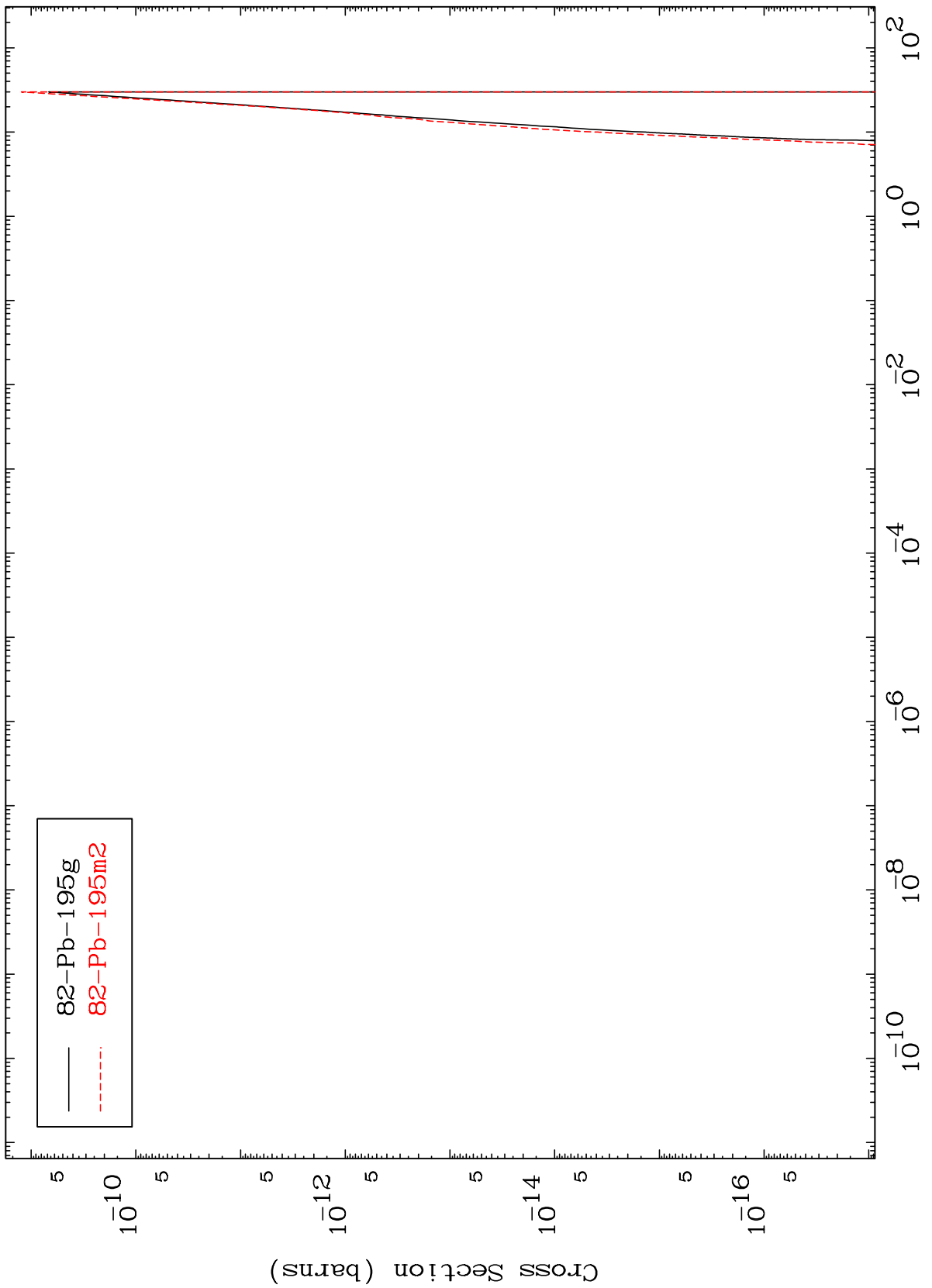
34

MAT 8702

(n,d) 2 α

87-Fr-204

Radionuclide Production Cross Section



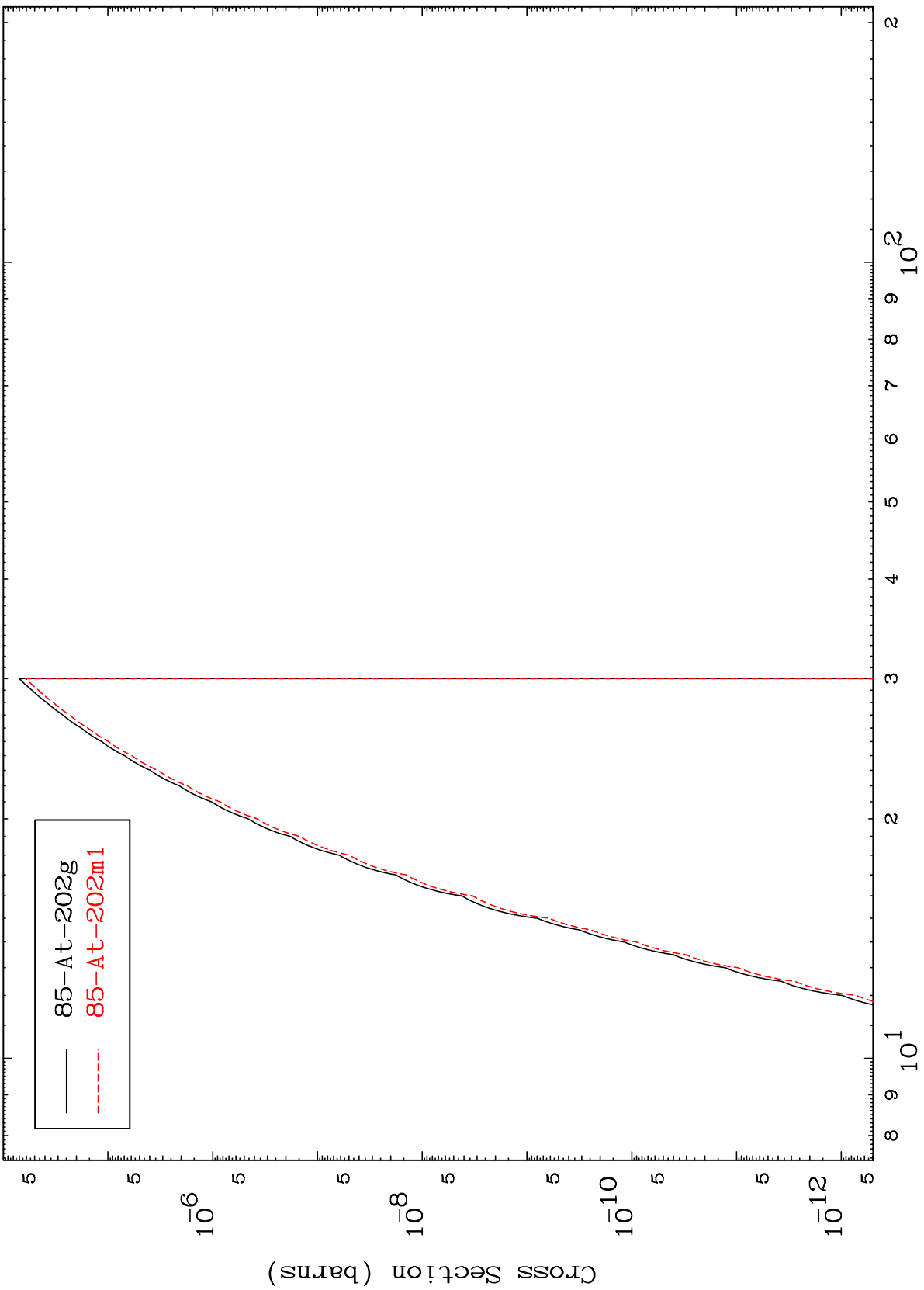
82-Pb-195g
82-Pb-195m2

MAT 8702

(n,p) d

87-Fr-204

Radionuclide Production Cross Section



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

36

Incident Energy (MeV)

87-Fr-204

MAT 8702

(n,d) α

87-Fr-204

Radionuclide Production Cross Section

