

Program EVALPLOT
(Version 2021-1)

by

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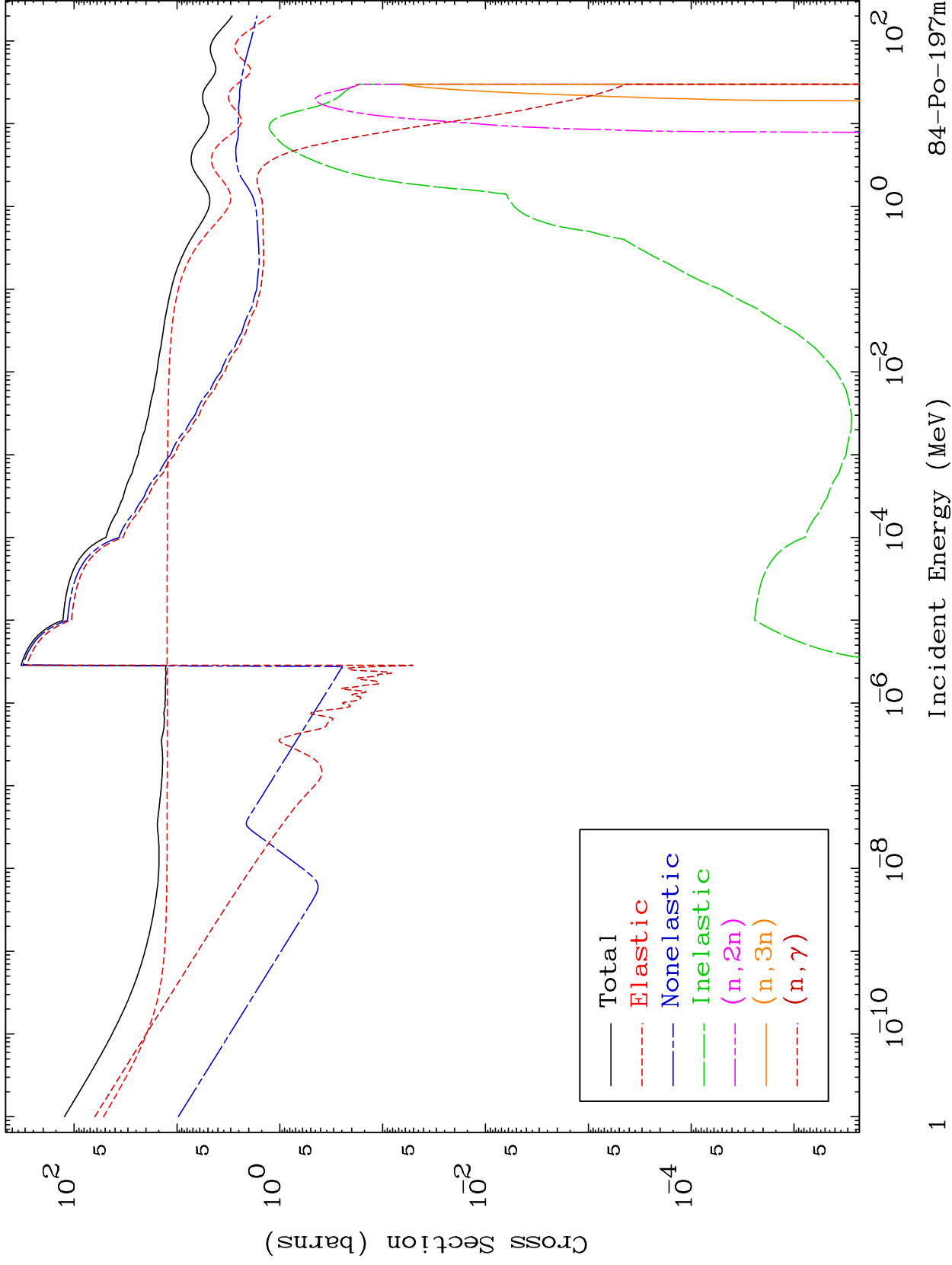
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8399

Neutron Major
293 Kelvin Cross Sections

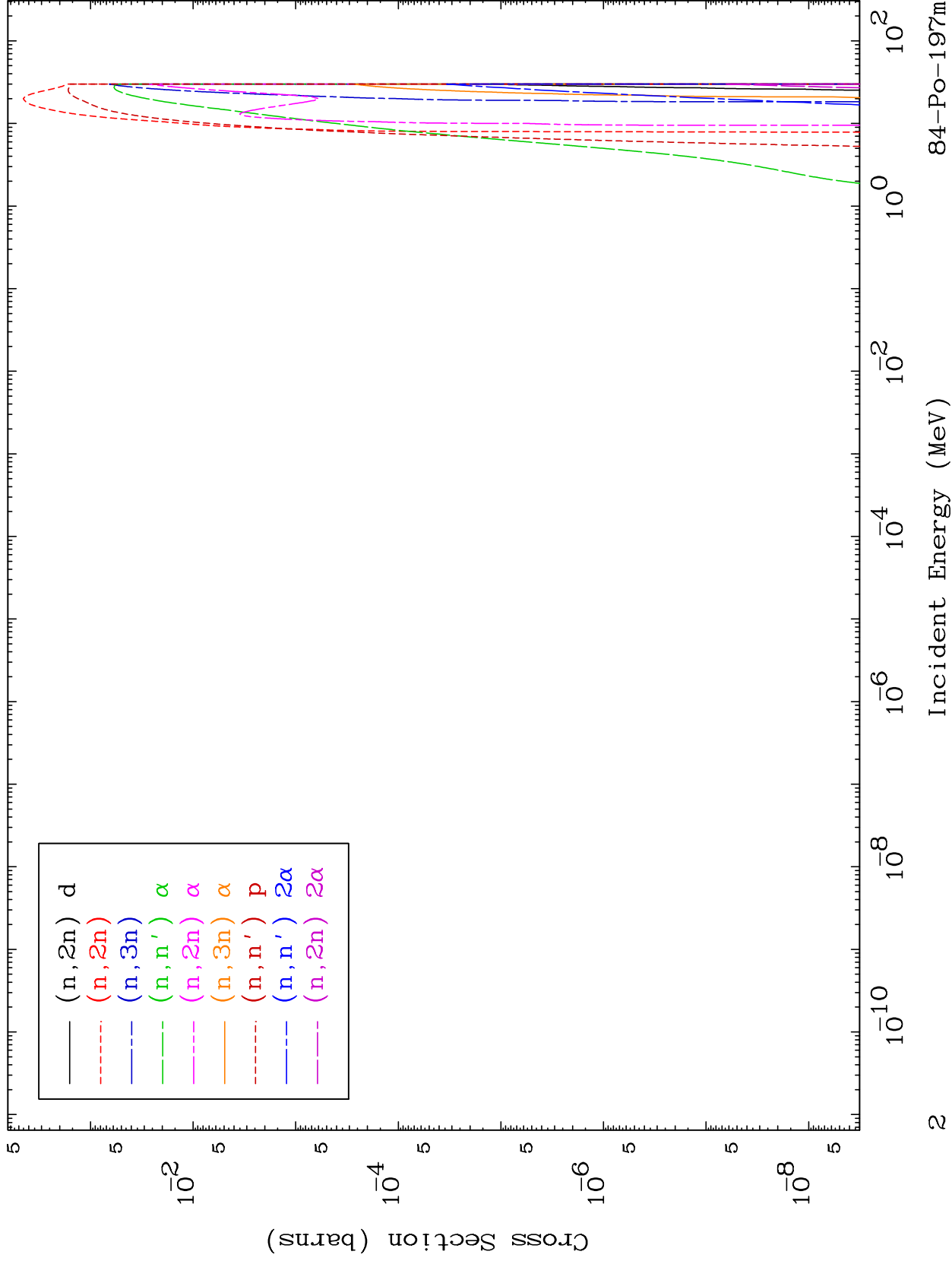
84-Po-197m



MAT 8399

Neutron Absorption
293 Kelvin Cross Sections

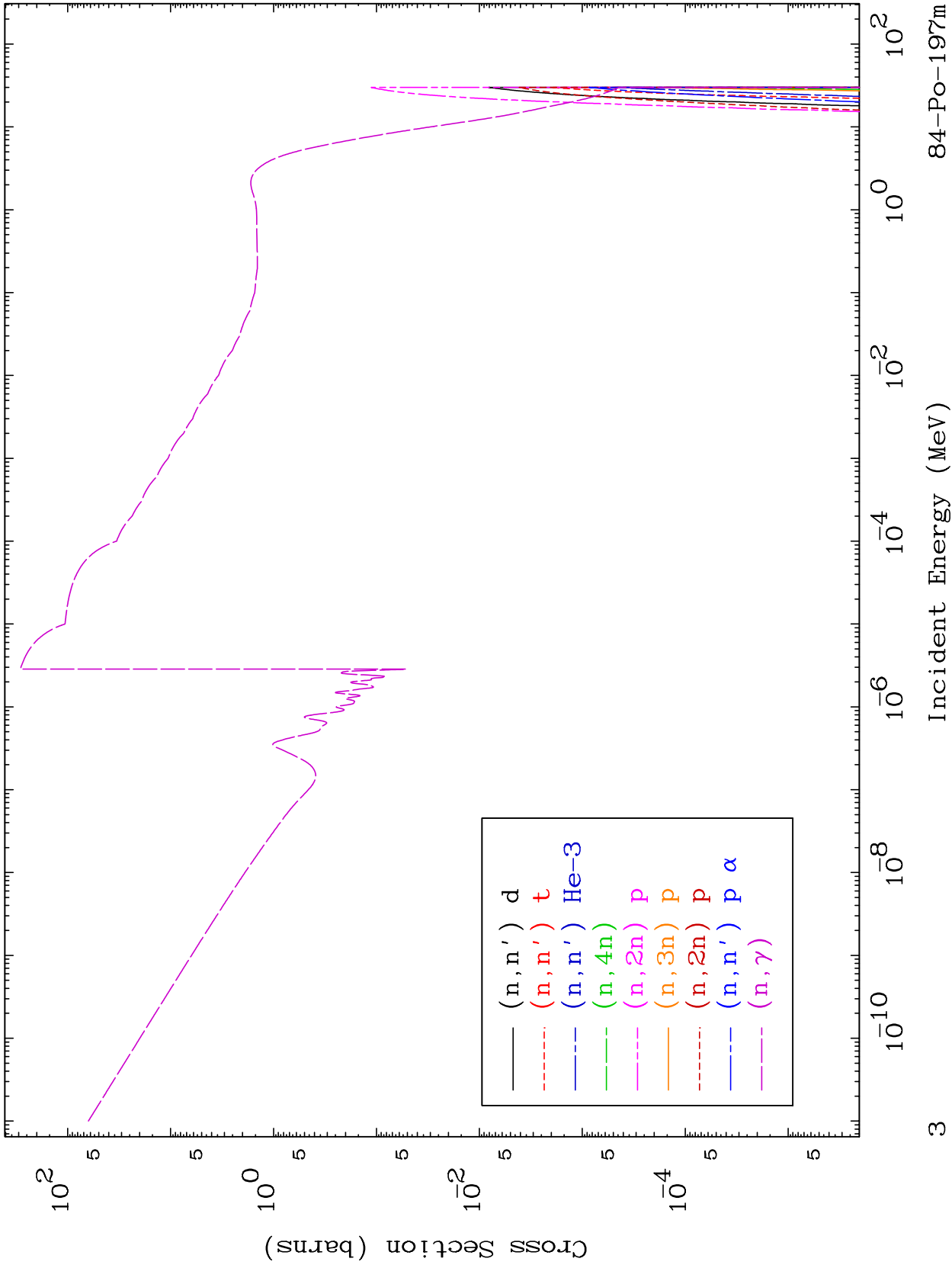
84-Po-197m



MAT 8399

Neutron Absorption
293 Kelvin Cross Sections

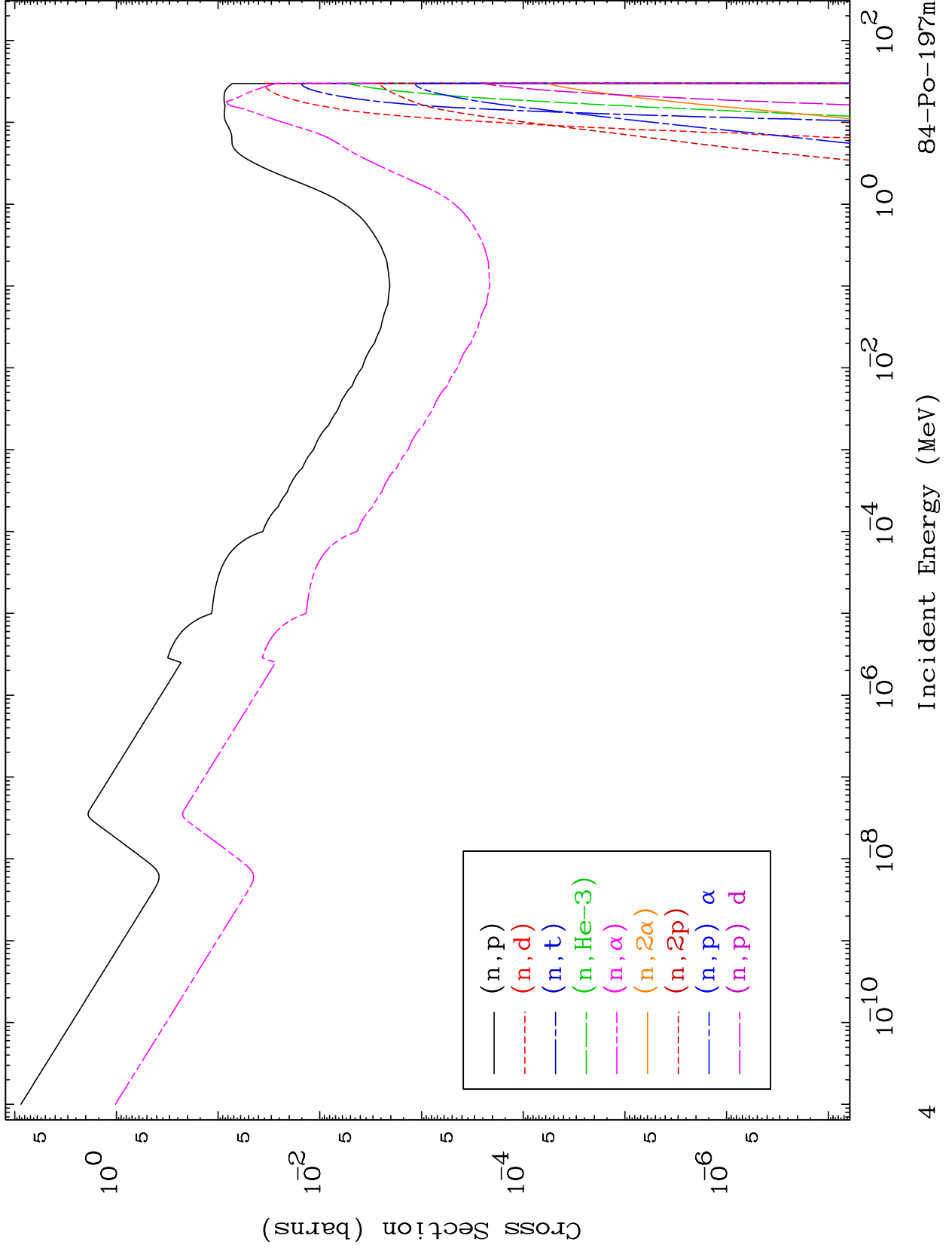
84-Po-197m



MAT 8399

Neutron Absorption
293 Kelvin Cross Sections

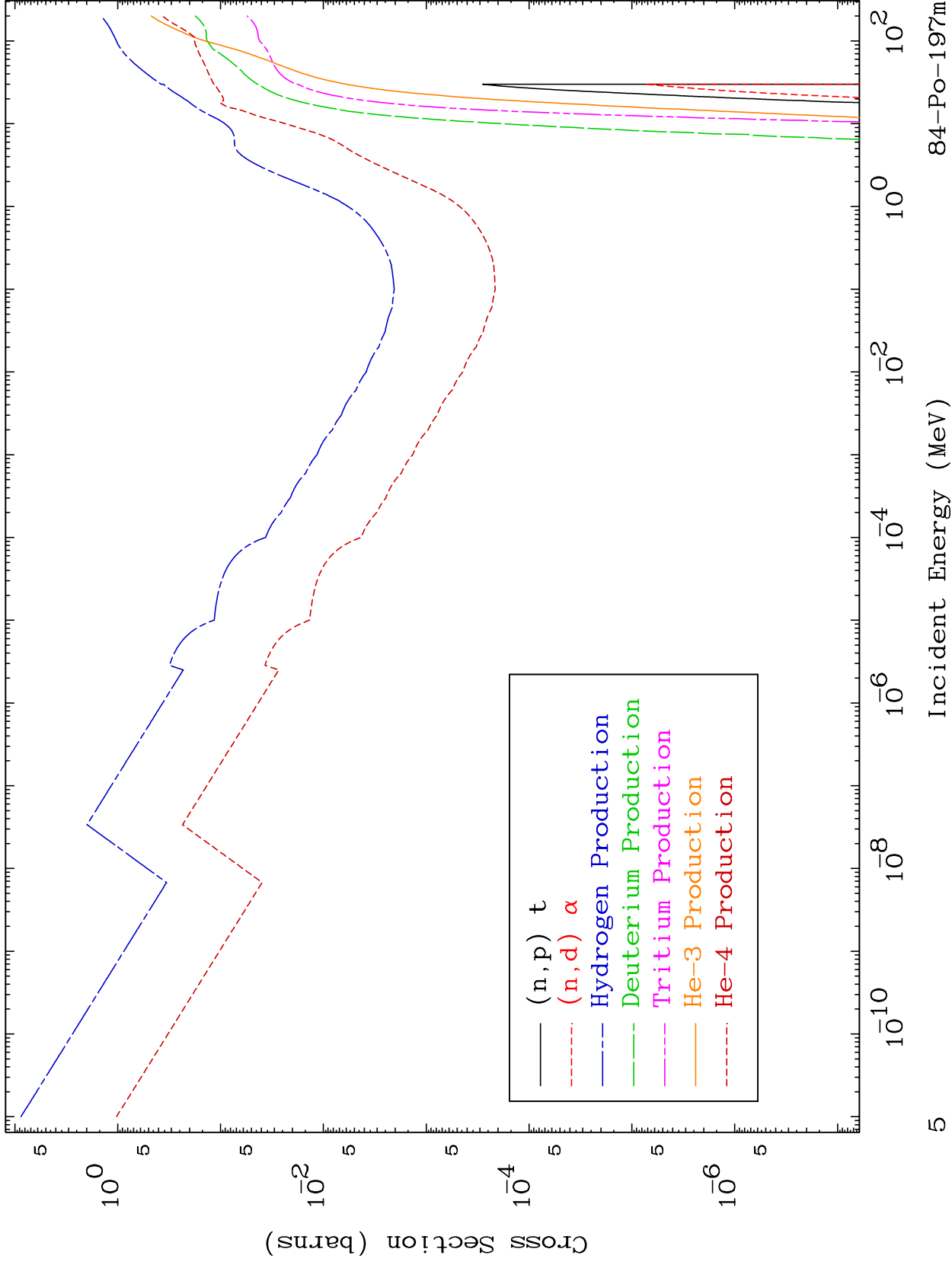
84-Po-197m



MAT 8399

Neutron Absorption
293 Kelvin Cross Sections

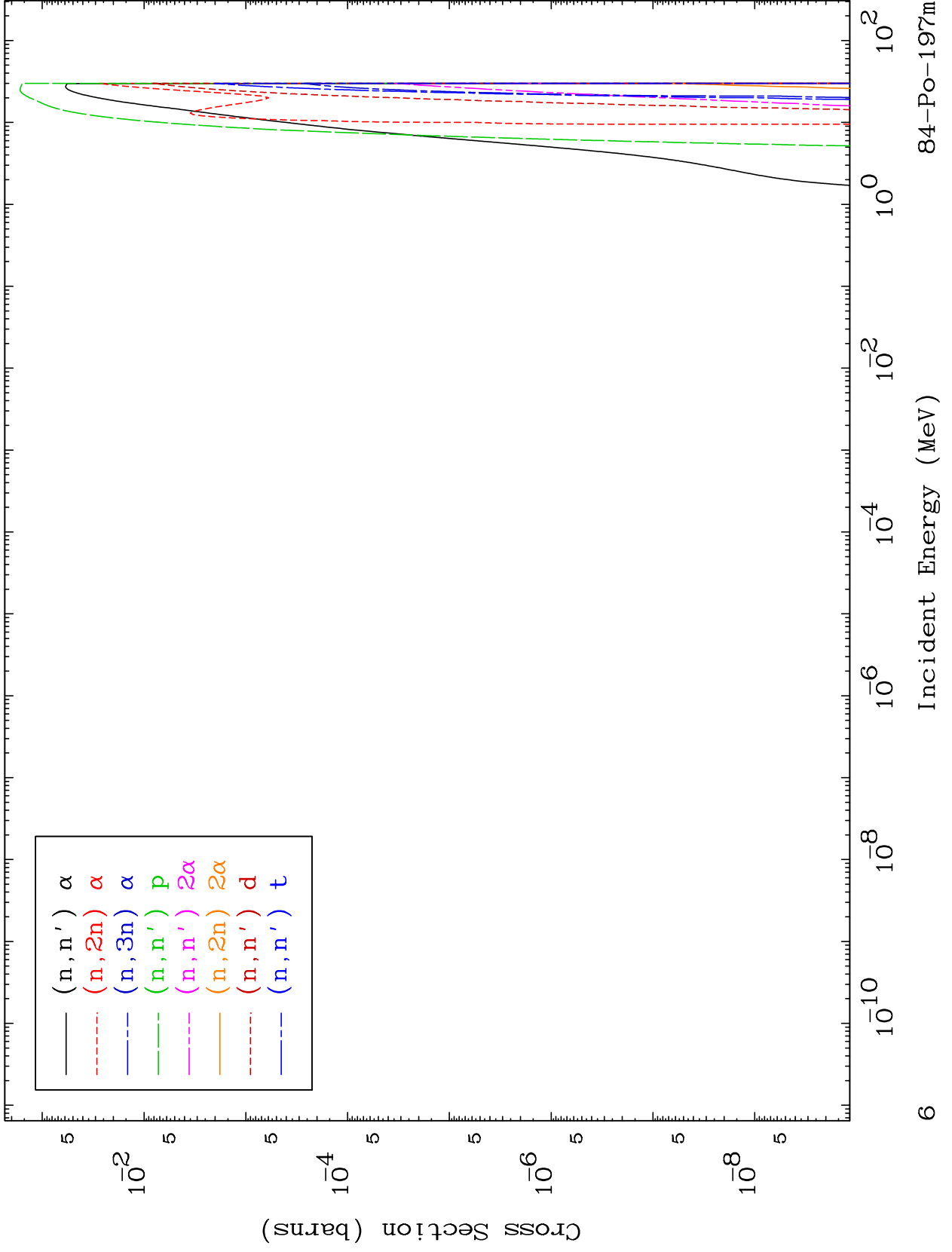
84-Po-197m



MAT 8399

Charged Particle
293 Kelvin Cross Sections

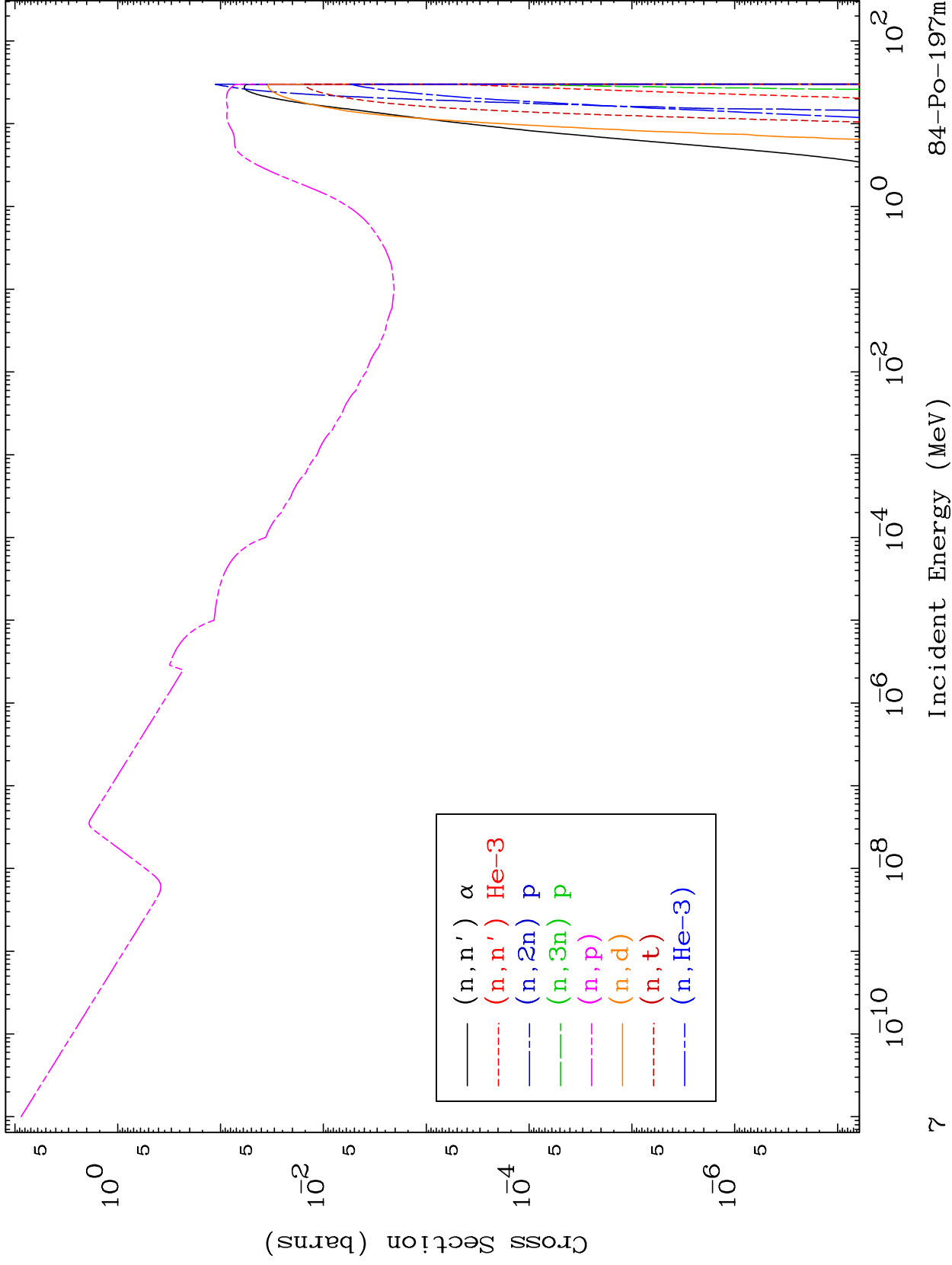
84-Po-197m



MAT 8399

Charged Particle
293 Kelvin Cross Sections

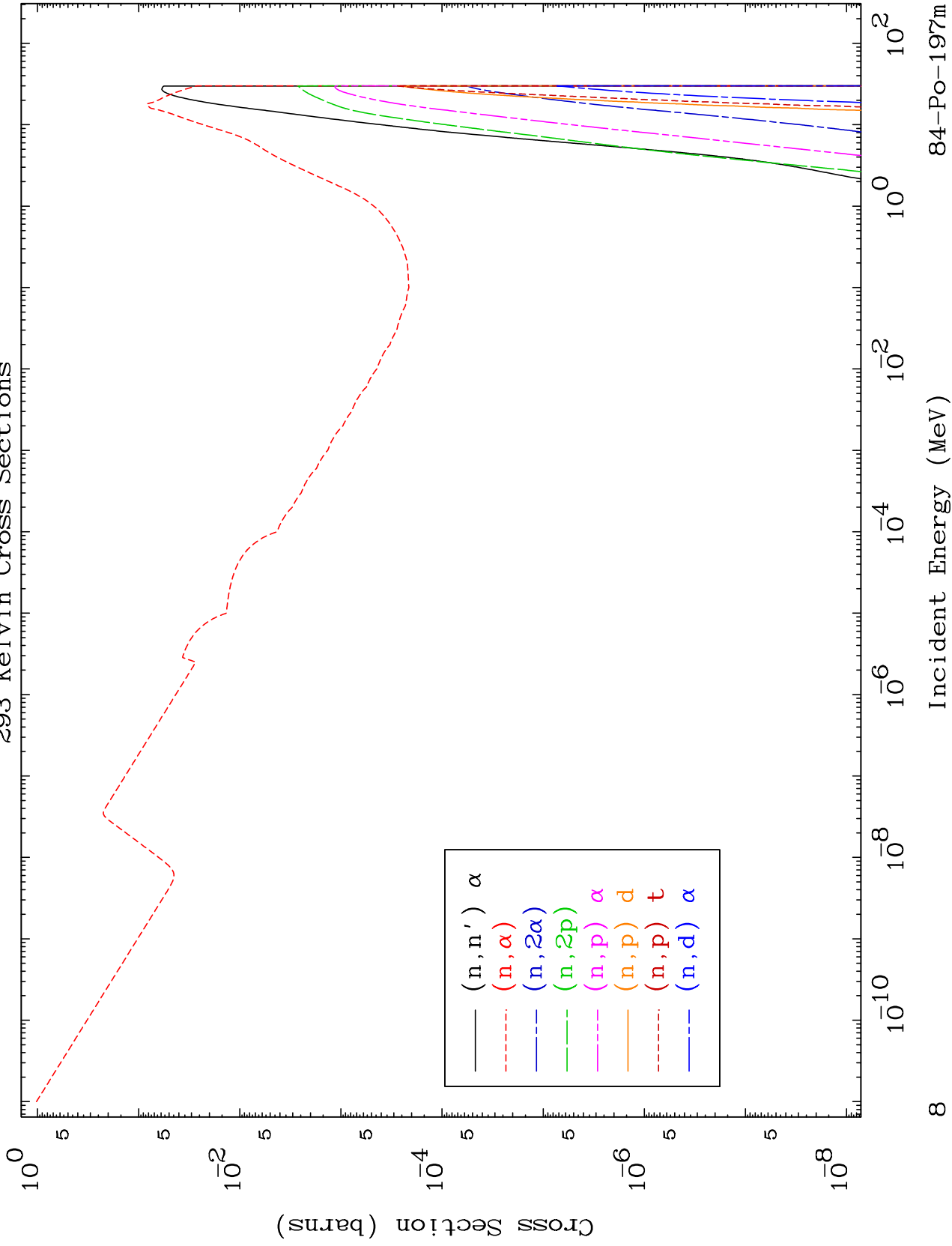
84-Po-197m



MAT 8399

Charged Particle
293 Kelvin Cross Sections

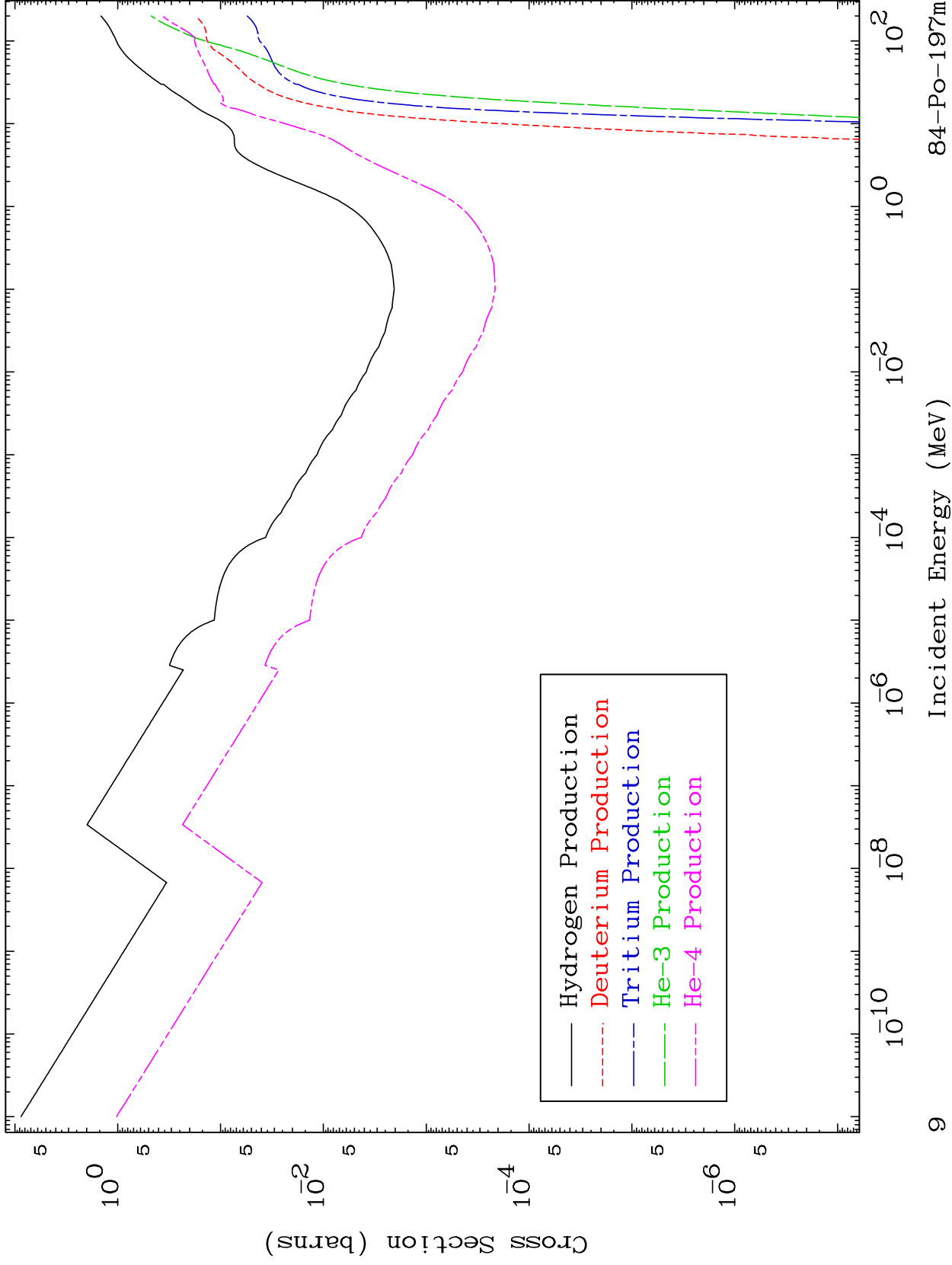
84-Po-197m



MAT 8399

Particle Production
293 Kelvin Cross Sections

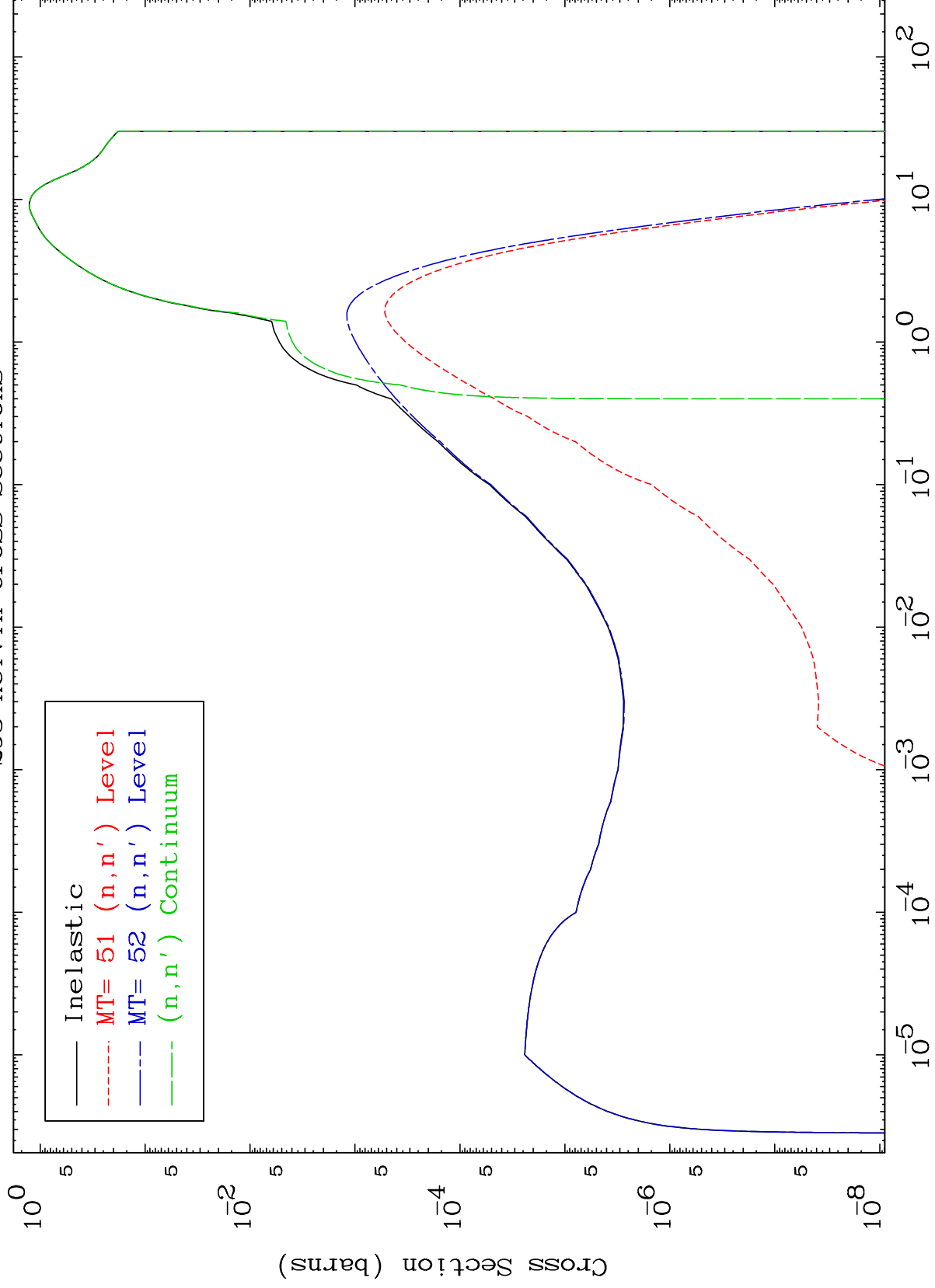
84-Po-197m



MAT 8399

(n,n') Levels
293 Kelvin Cross Sections

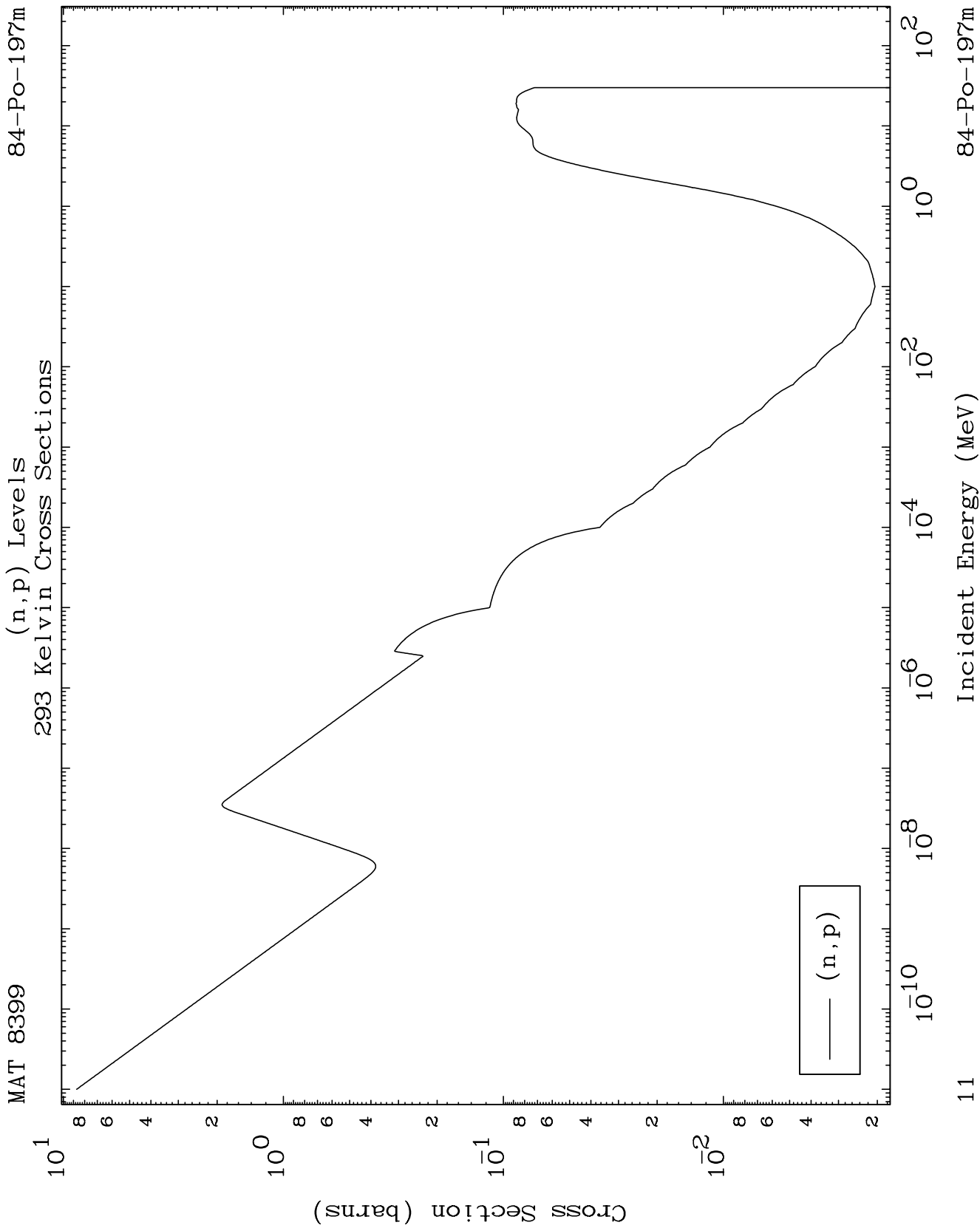
84-Po-197m



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Incident Energy (MeV)

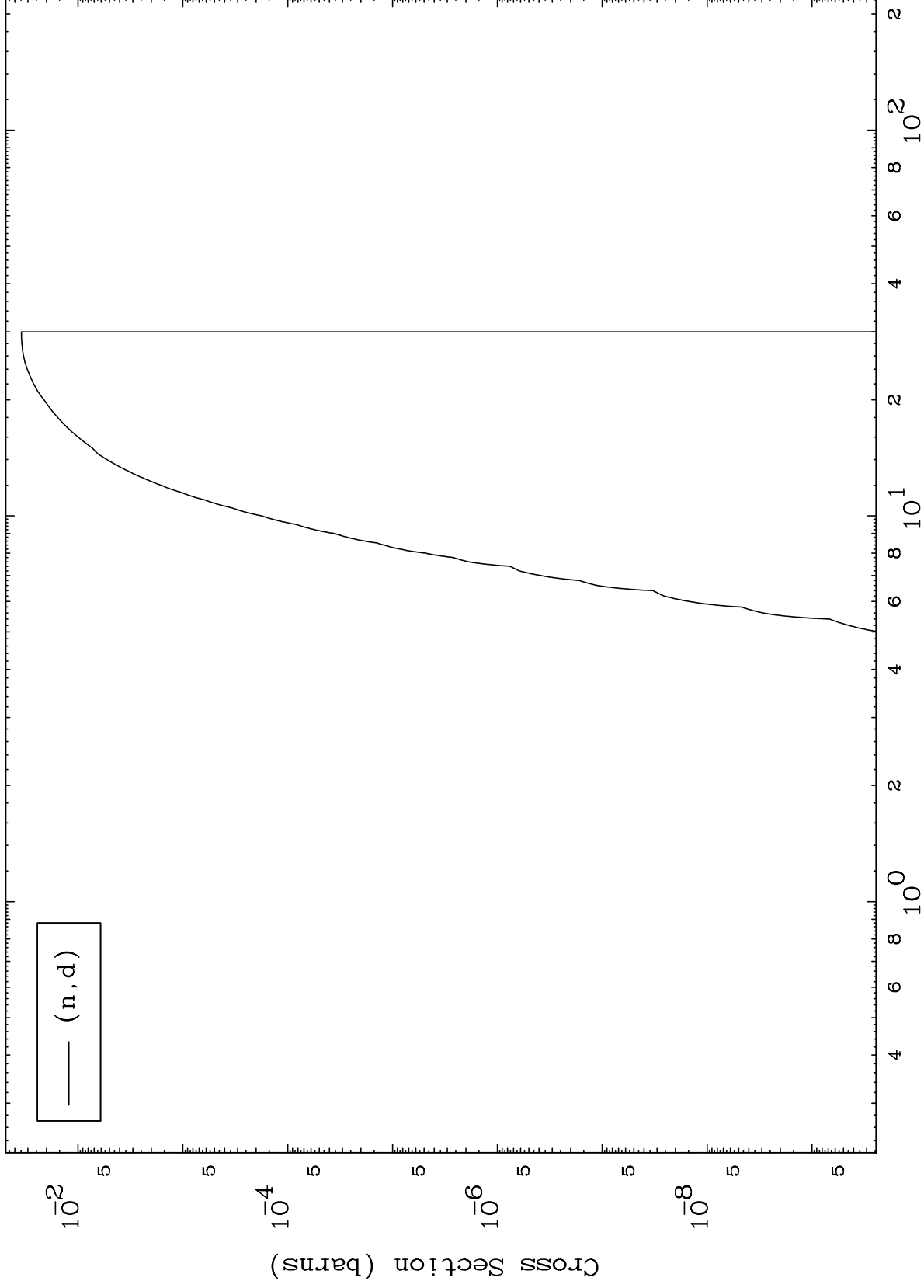
84-Po-197m



MAT 8399

(n,d) Levels
293 Kelvin Cross Sections

84-Po-197m



12

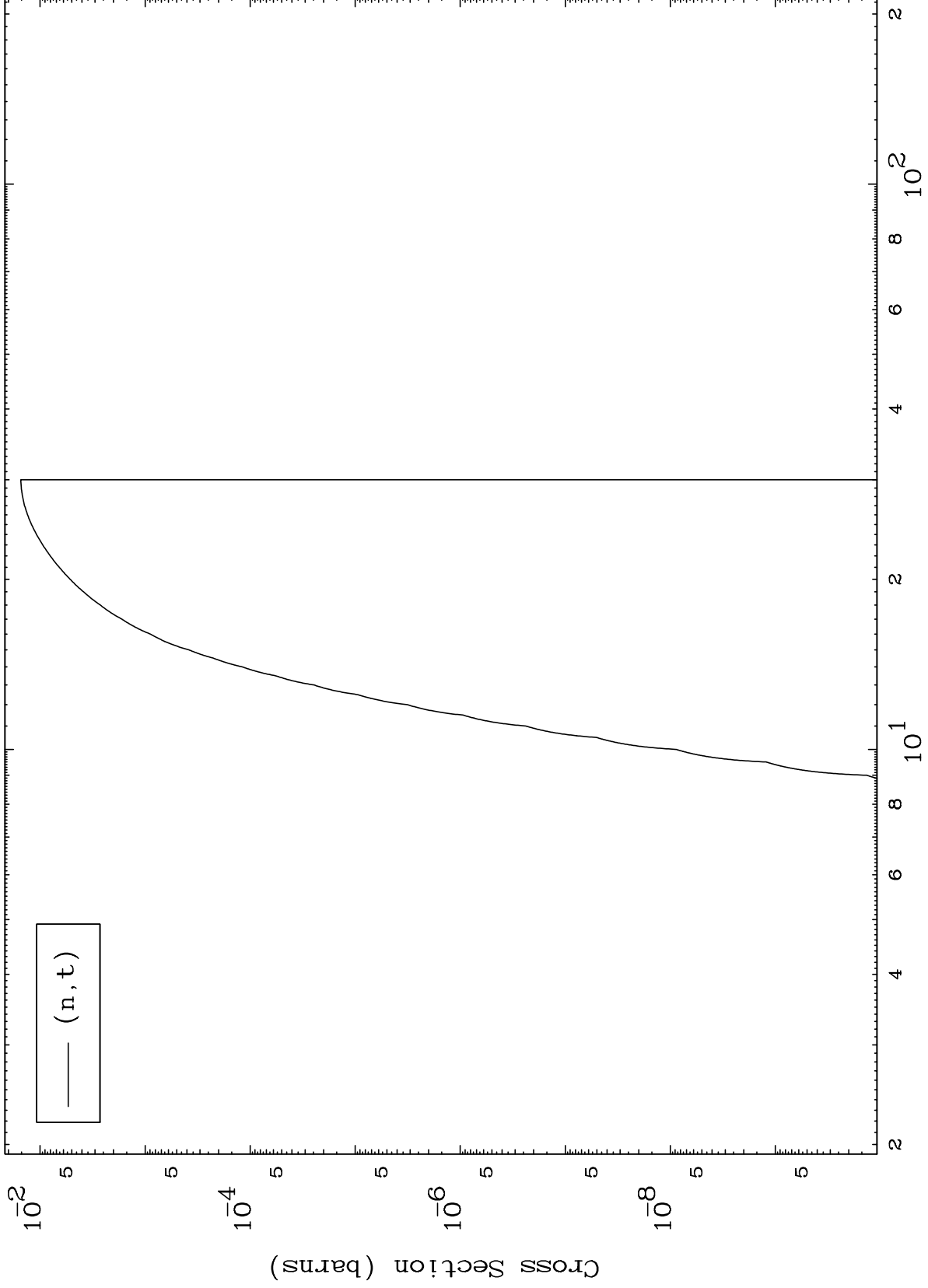
Incident Energy (MeV)

84-Po-197m

MAT 8399

(n,t) Levels
293 Kelvin Cross Sections

84-Po-197m



13

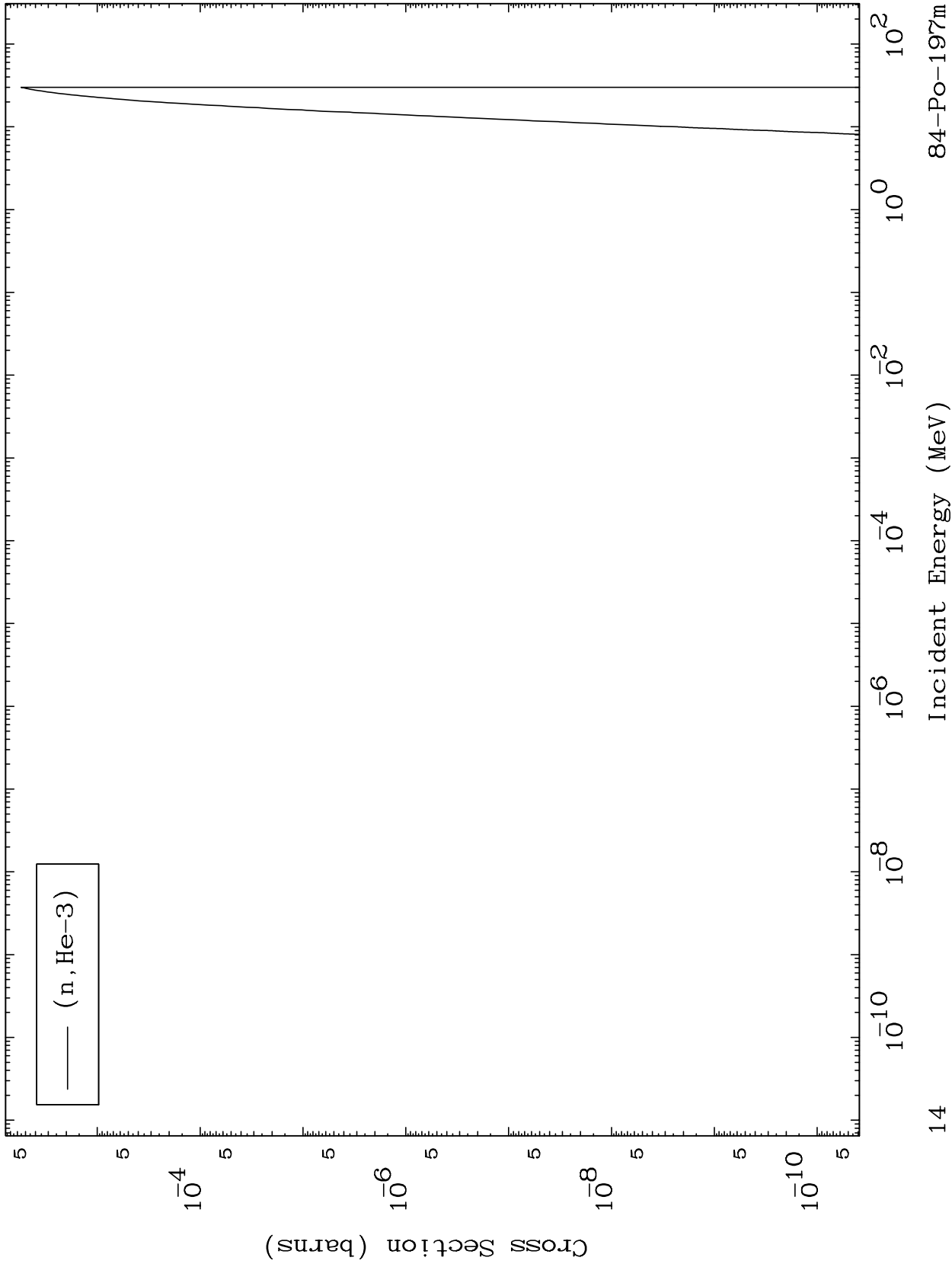
Incident Energy (MeV)

84-Po-197m

MAT 8399

(n,He3) Levels
293 Kelvin Cross Sections

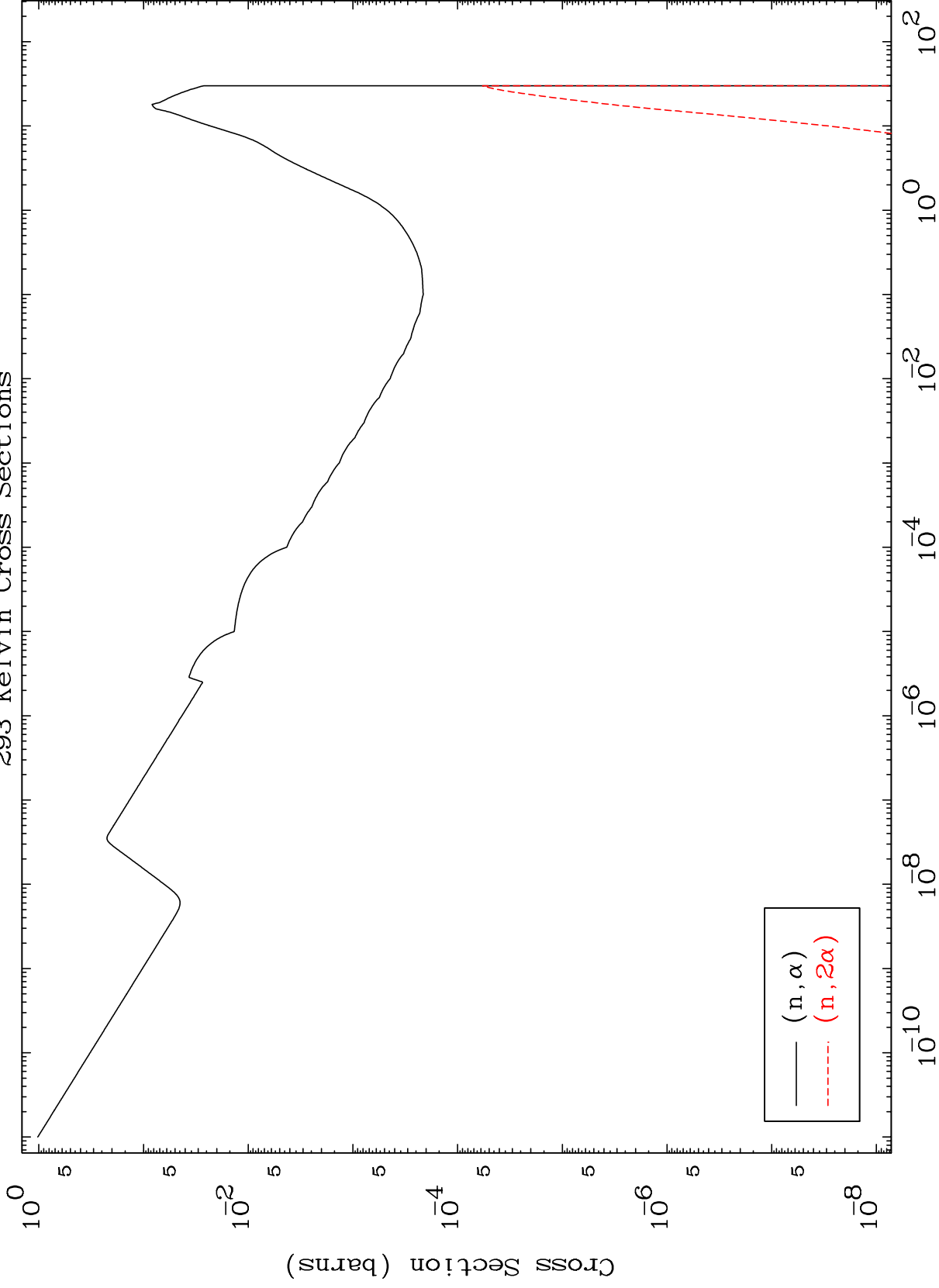
84-Po-197m



MAT 8399

(n,α) Levels
293 Kelvin Cross Sections

84-Po-197m



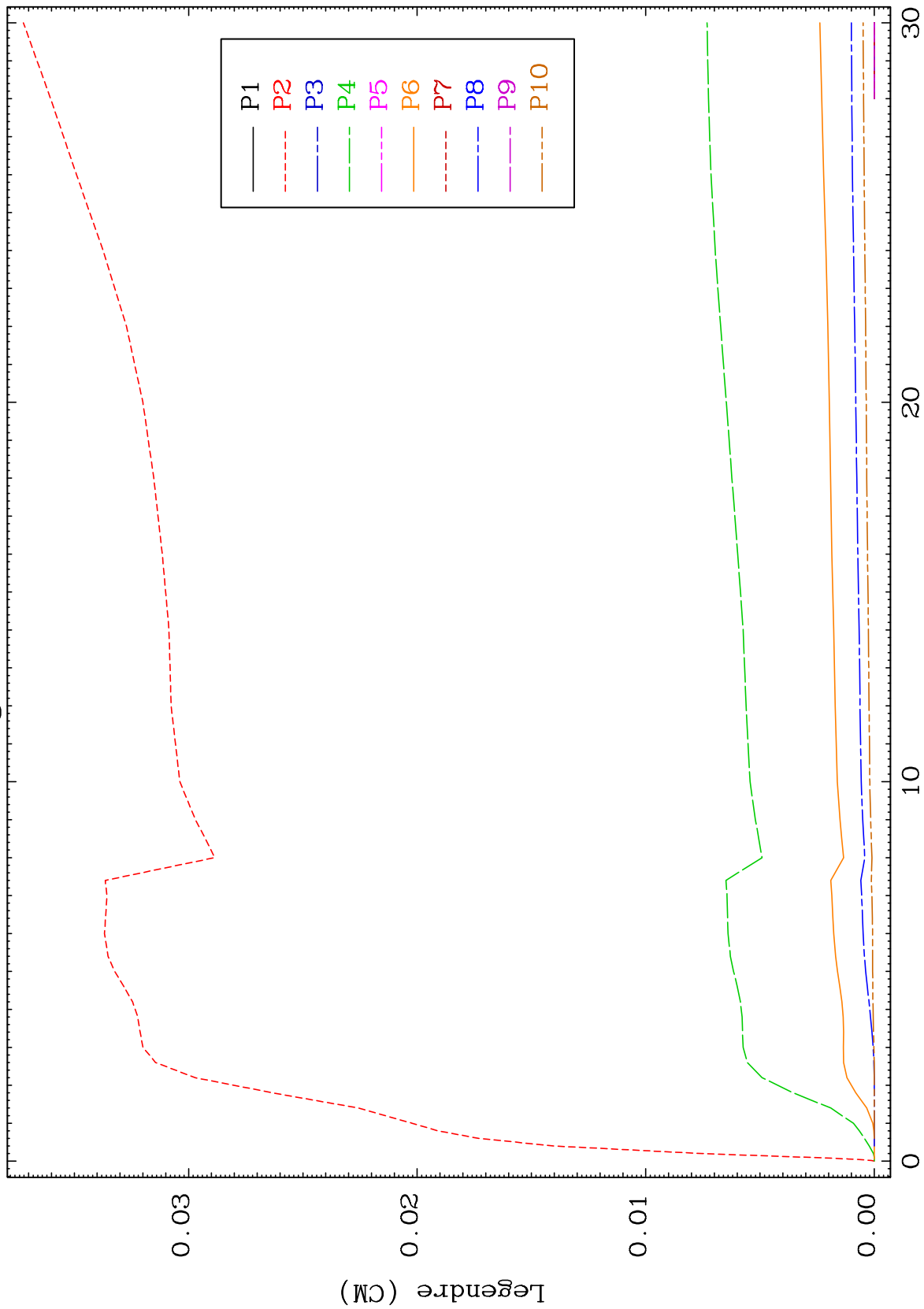
Incident Energy (MeV)

84-Po-197m

MAT 8399

Elastic Legendre Coefficients

84-Po-197m



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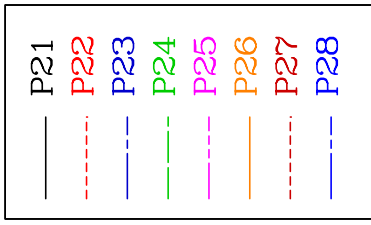
Incident Energy (MeV)

84-Po-197m

MAT 8399

Elastic
Legendre Coefficients

84-Po-197m



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

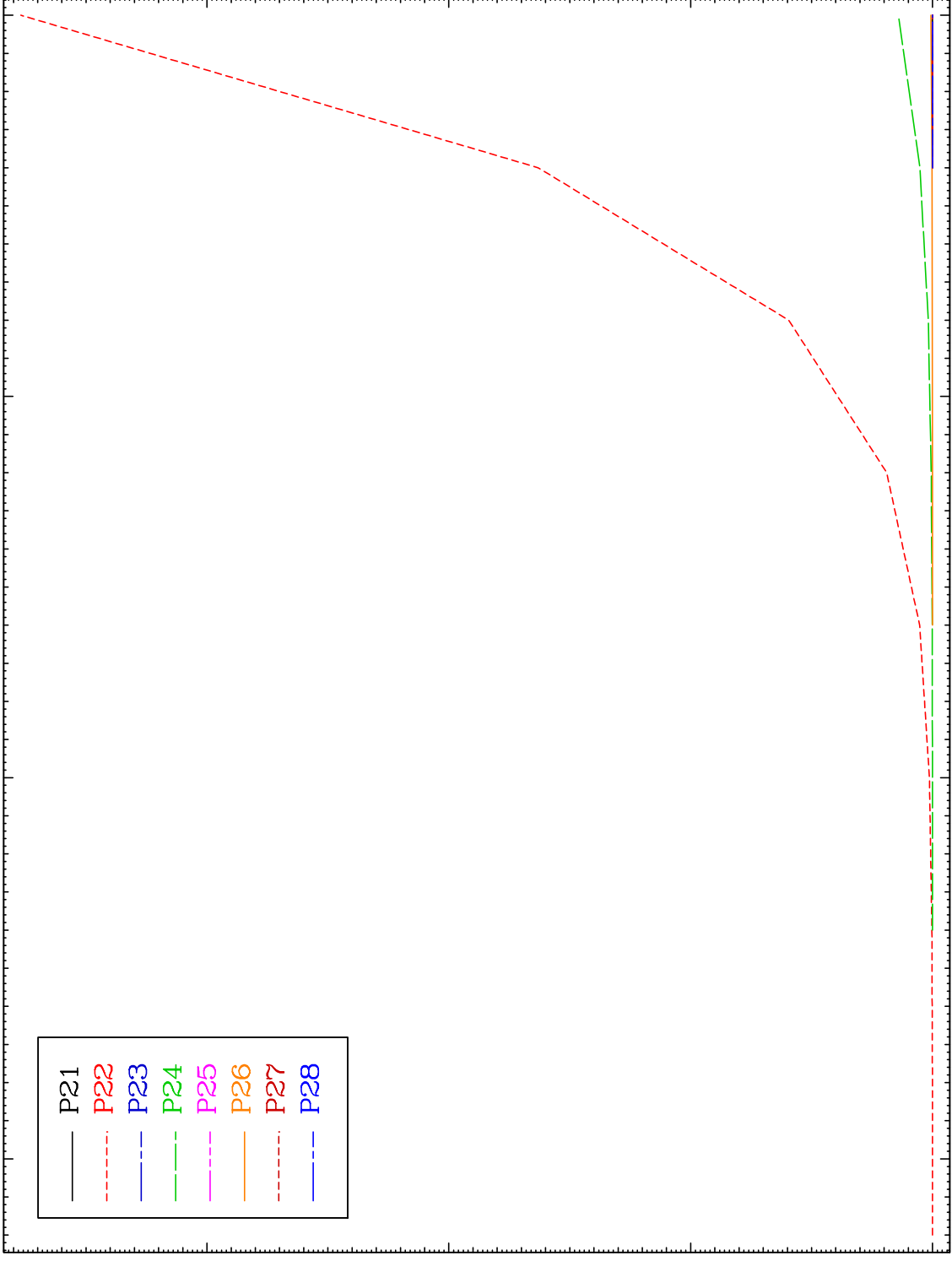
25

30

18

Incident Energy (MeV)

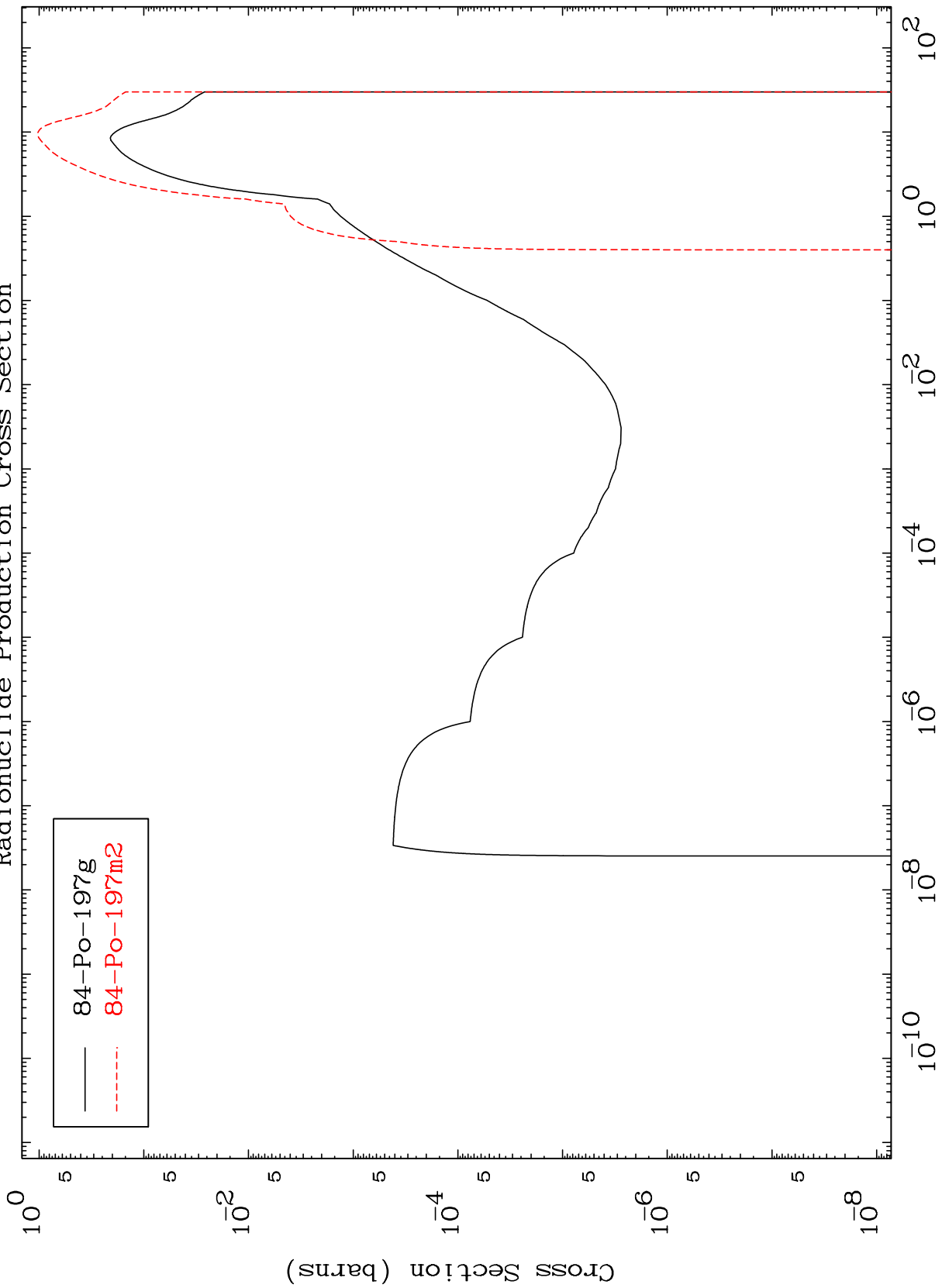
84-Po-197m



MAT 8399

Inelastic
Radionuclide Production Cross Section

84-Po-197m



84-Po-197m

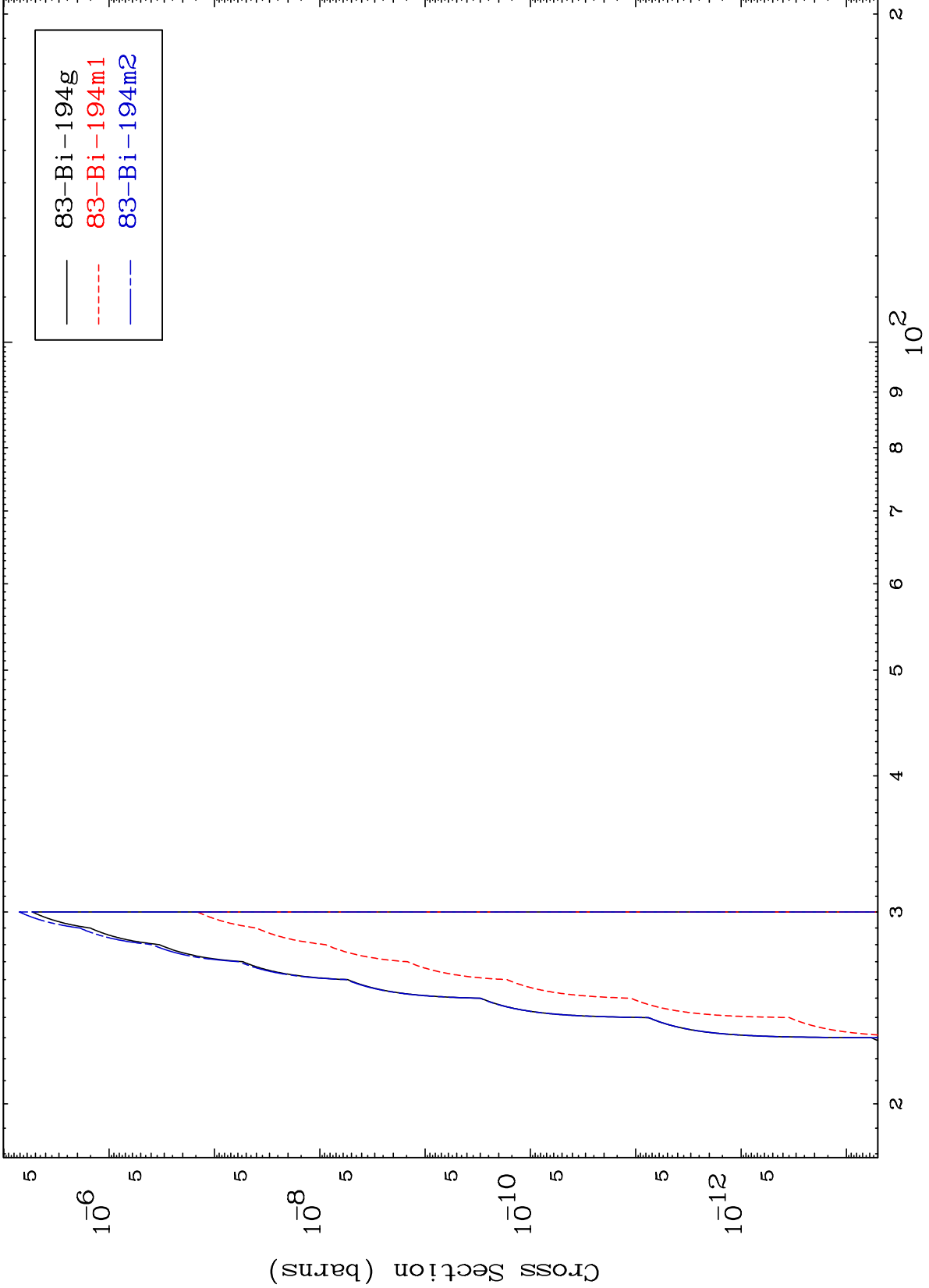
Incident Energy (MeV)

MAT 8399

(n,2n) d

84-Po-197m

Radionuclide Production Cross Section

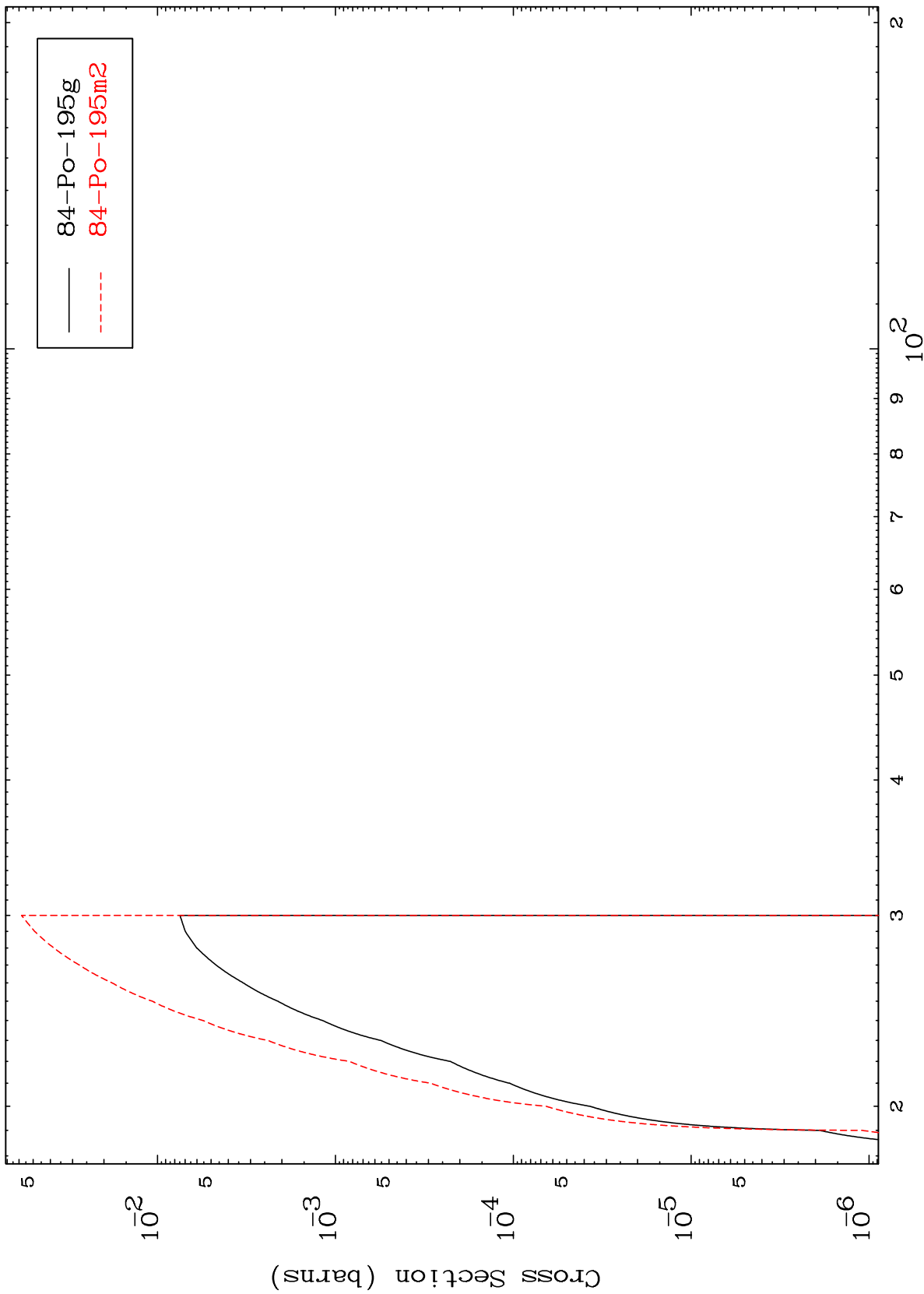


20

Incident Energy (MeV)

84-Po-197m

(n,3n)
Radionuclide Production Cross Section

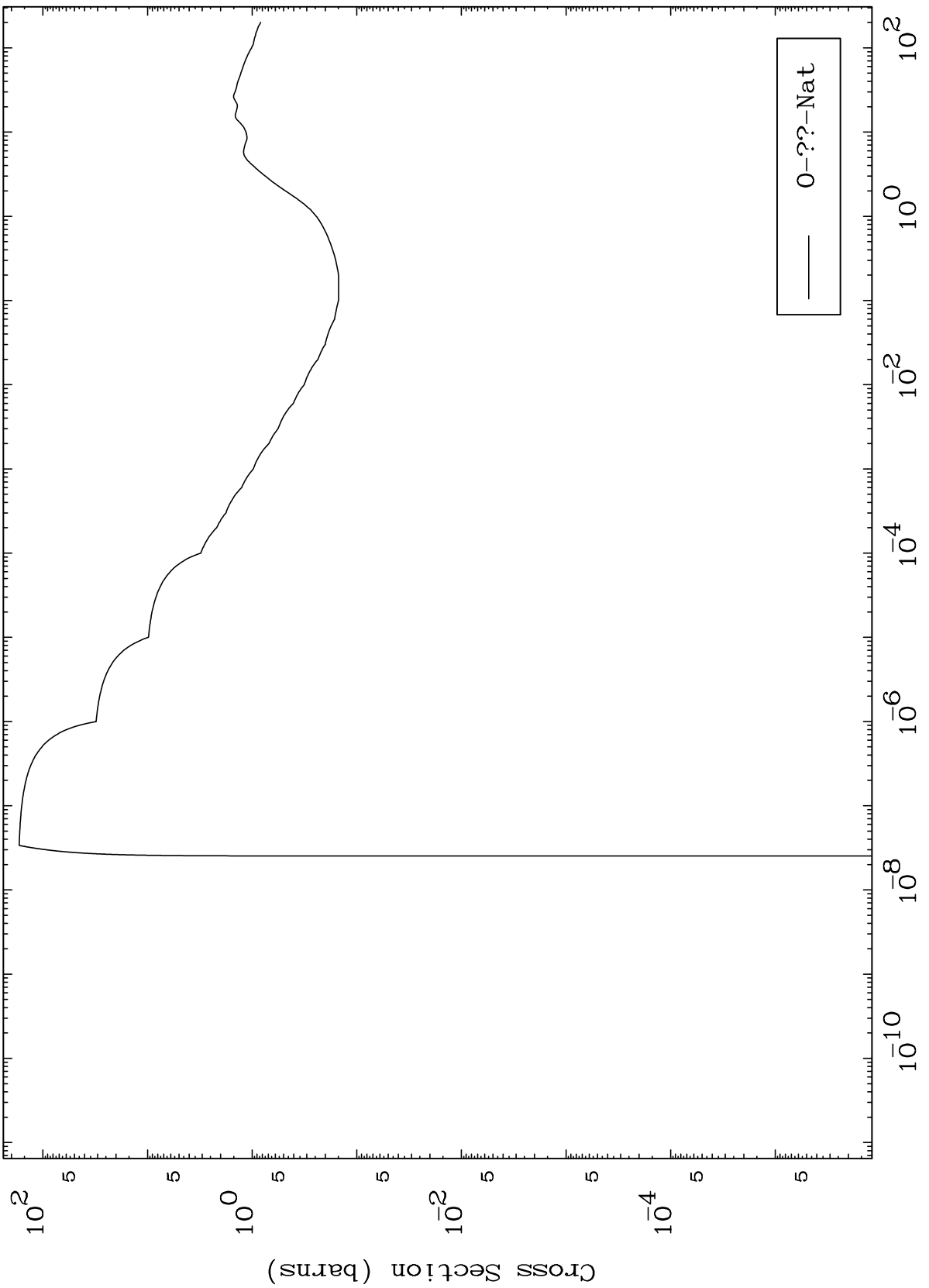


84-Po-195g
84-Po-195m2

MAT 8399

84-Po-197m

Fission
Radionuclide Production Cross Section



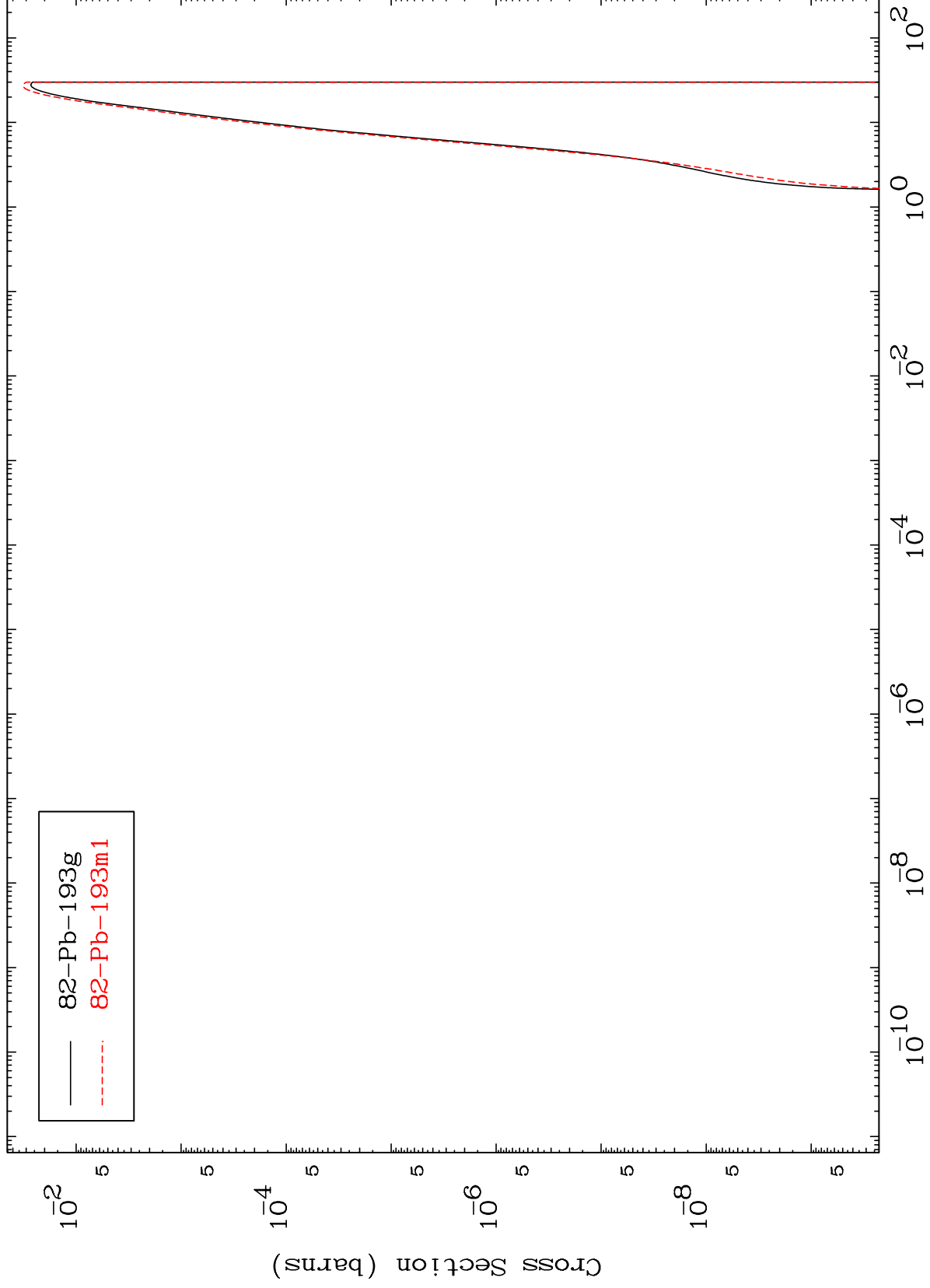
0-??-Nat

MAT 8399

$(n, n') \alpha$

84-Po-197m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

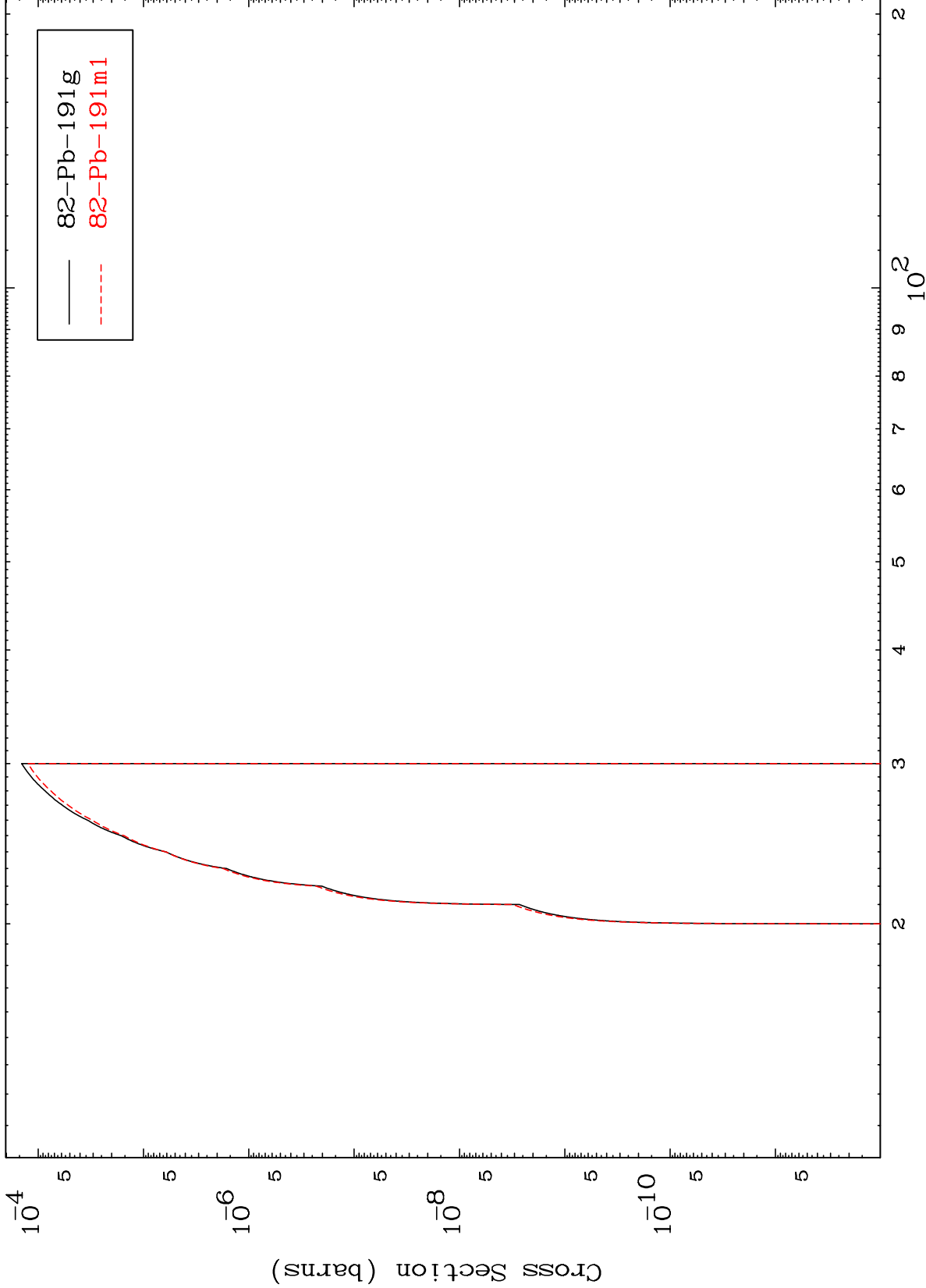
84-Po-197m

MAT 8399

(n,3n) α

84-Po-197m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

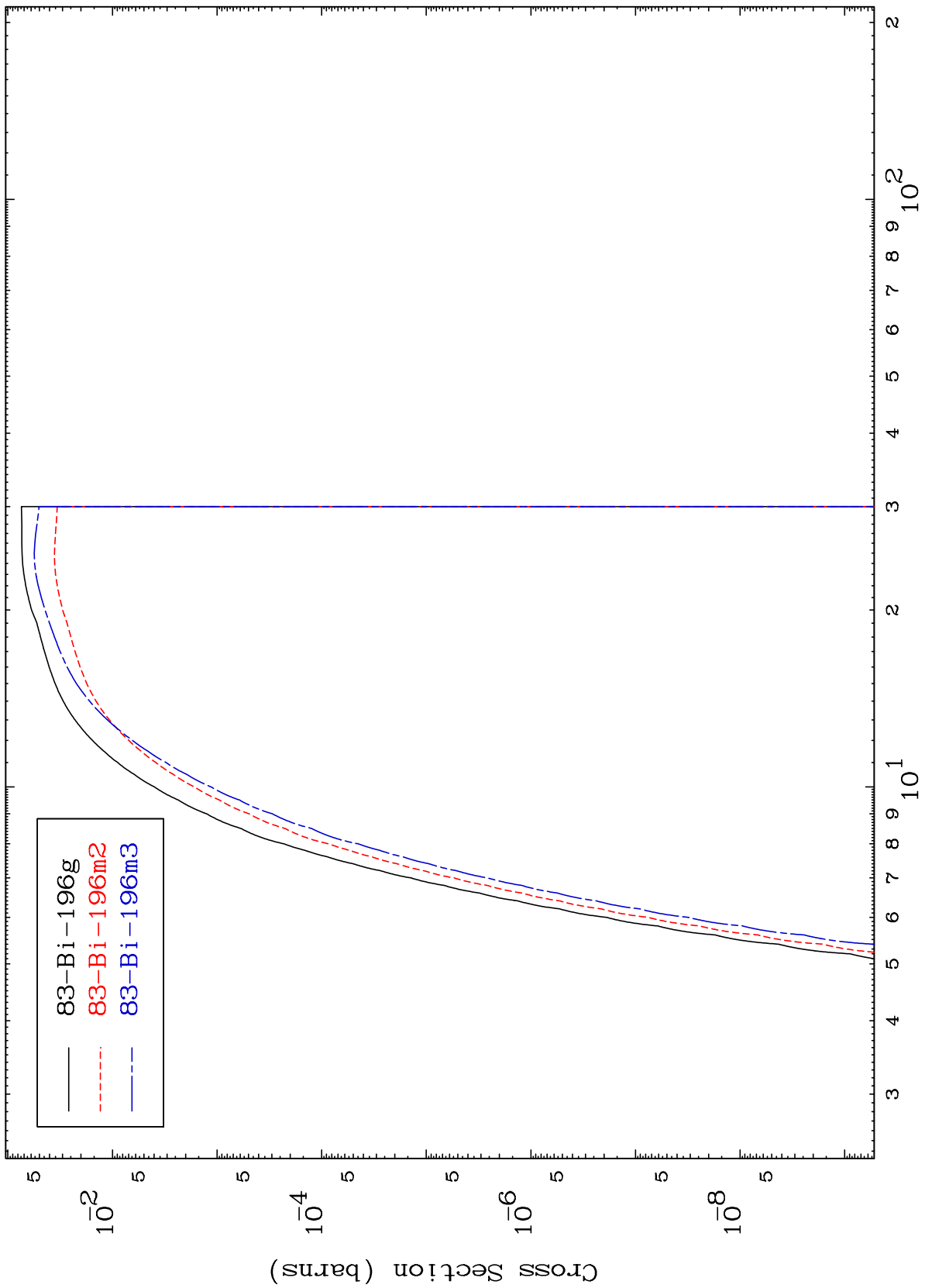
84-Po-197m

MAT 8399

84-Po-197m

(n,n') p

Radionuclide Production Cross Section



25

Incident Energy (MeV)

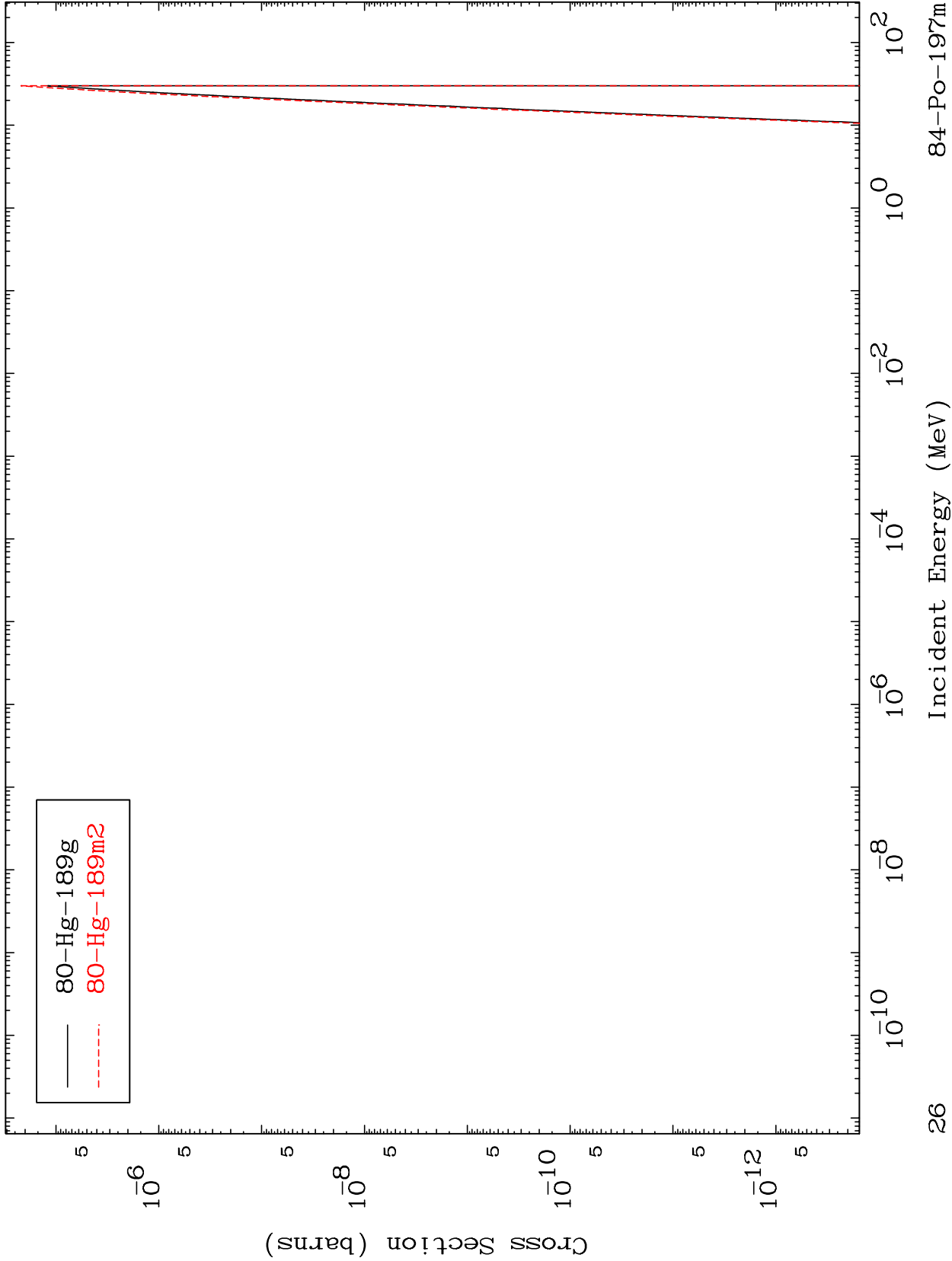
84-Po-197m

MAT 8399

(n,n') 2α

84-Po-197m

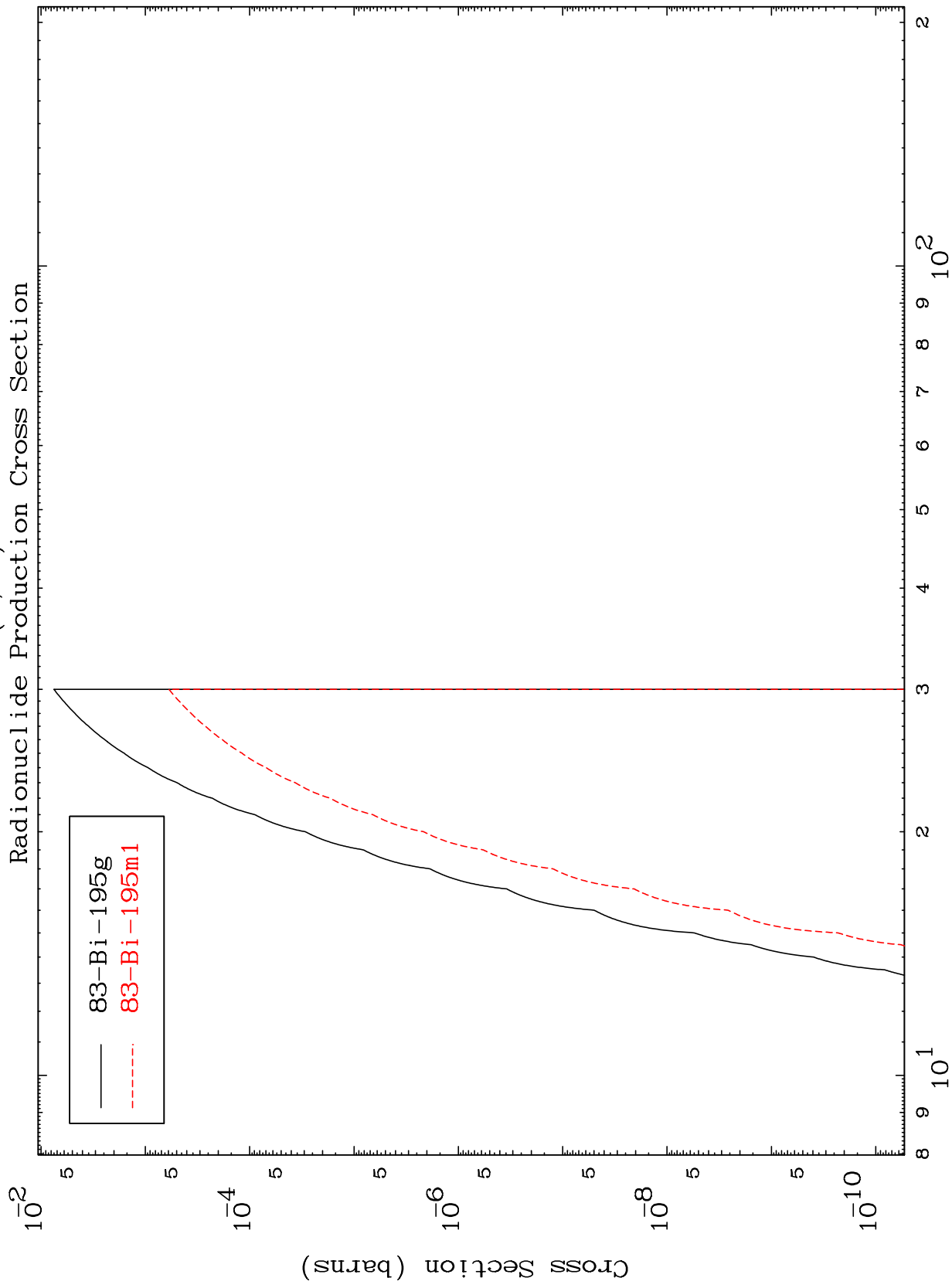
Radionuclide Production Cross Section



MAT 8399

(n,n') d

84-Po-197m

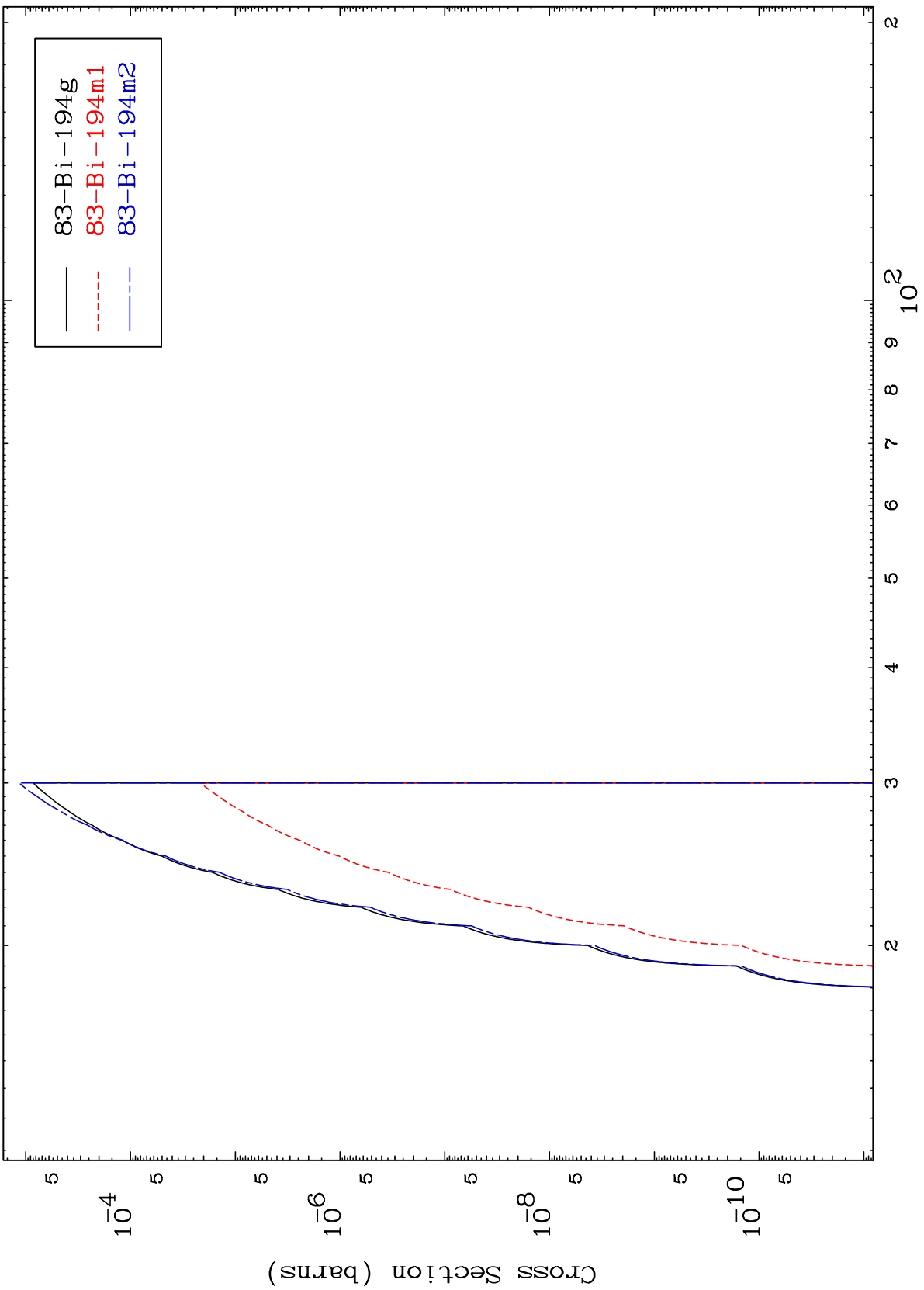


27

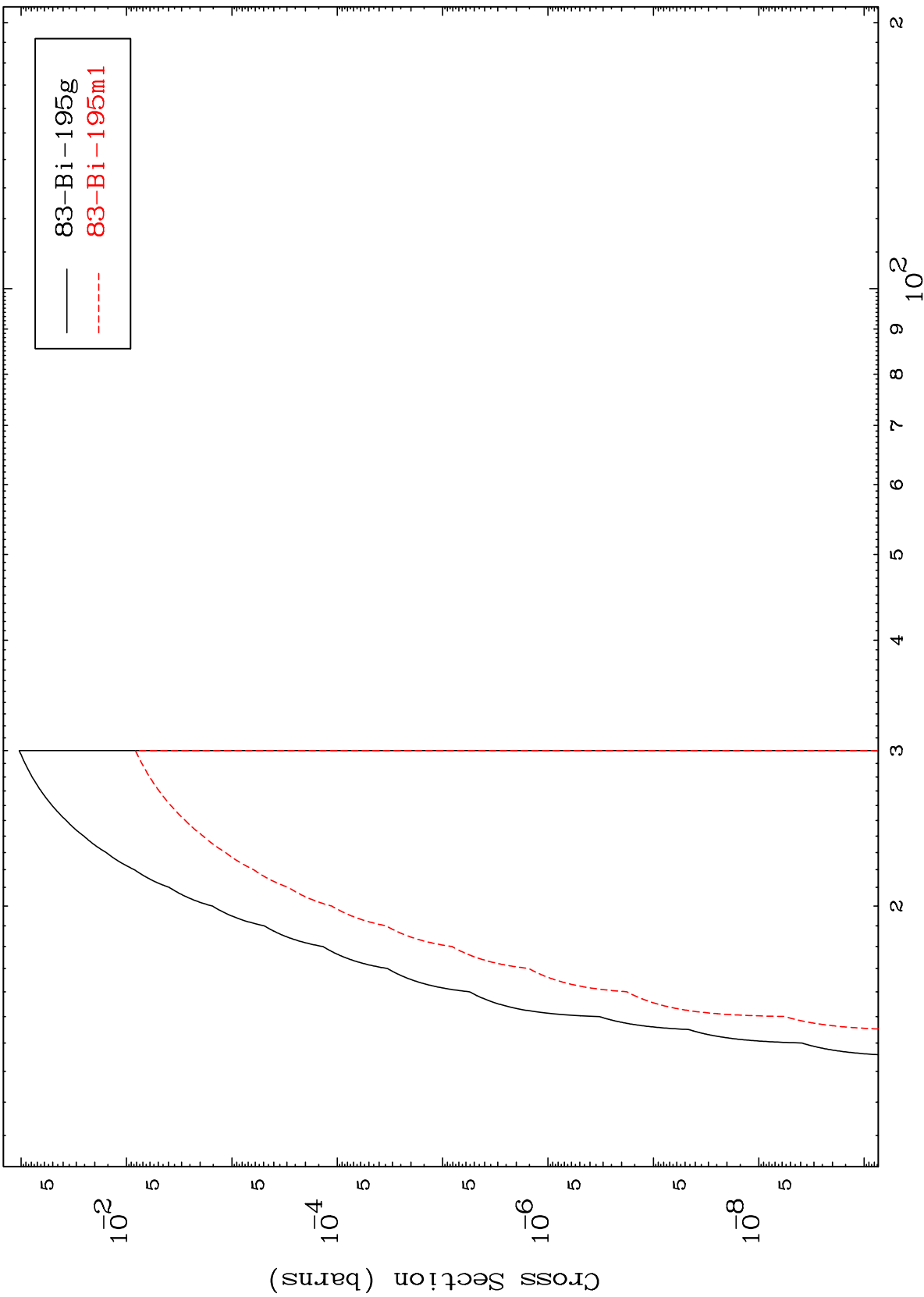
Incident Energy (MeV)

84-Po-197m

Radionuclide Production Cross Section



Radionuclide Production Cross Section



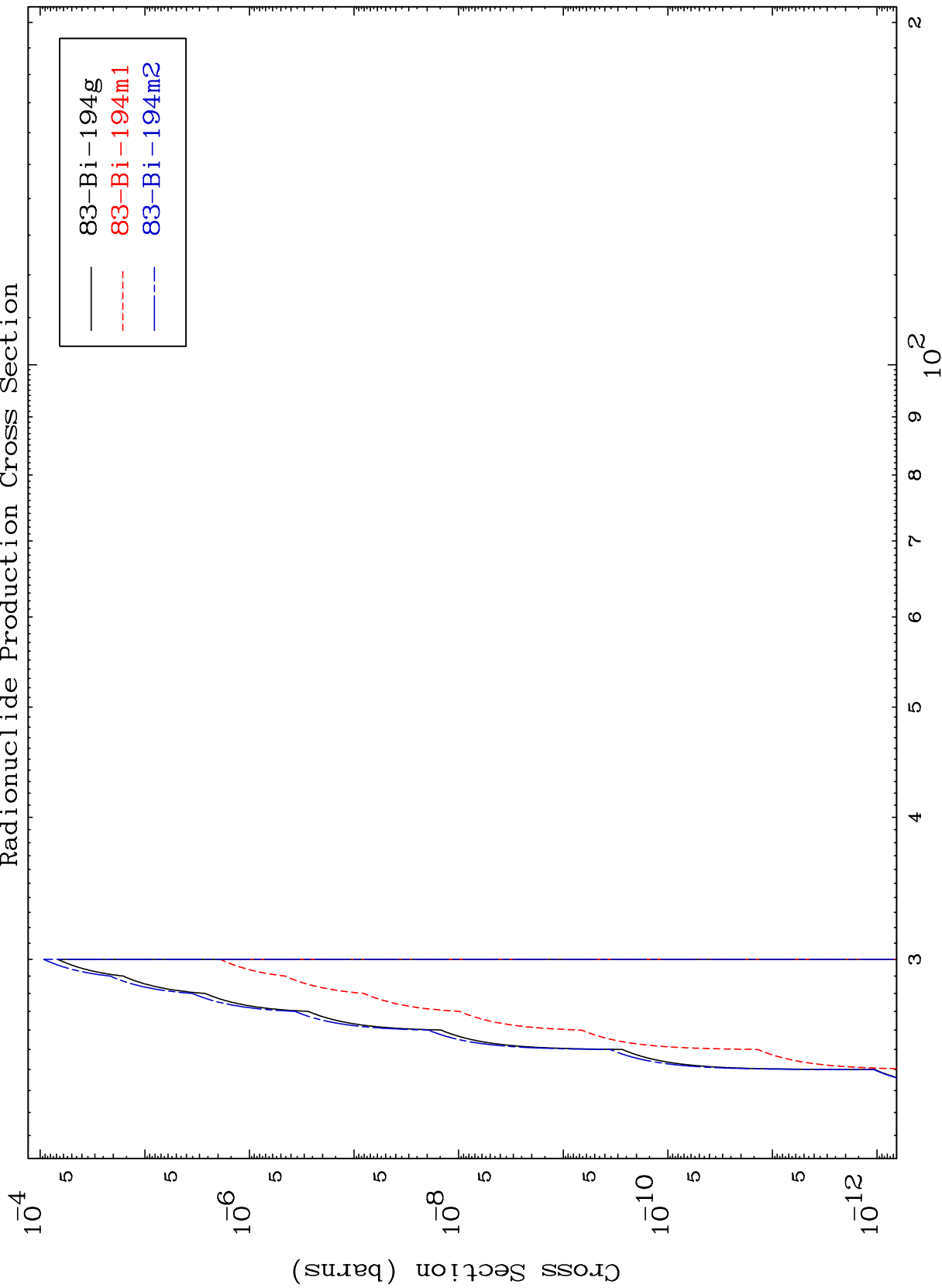
83-Bi-195g
83-Bi-195m1

MAT 8399

(n,3n) p

84-Po-197m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

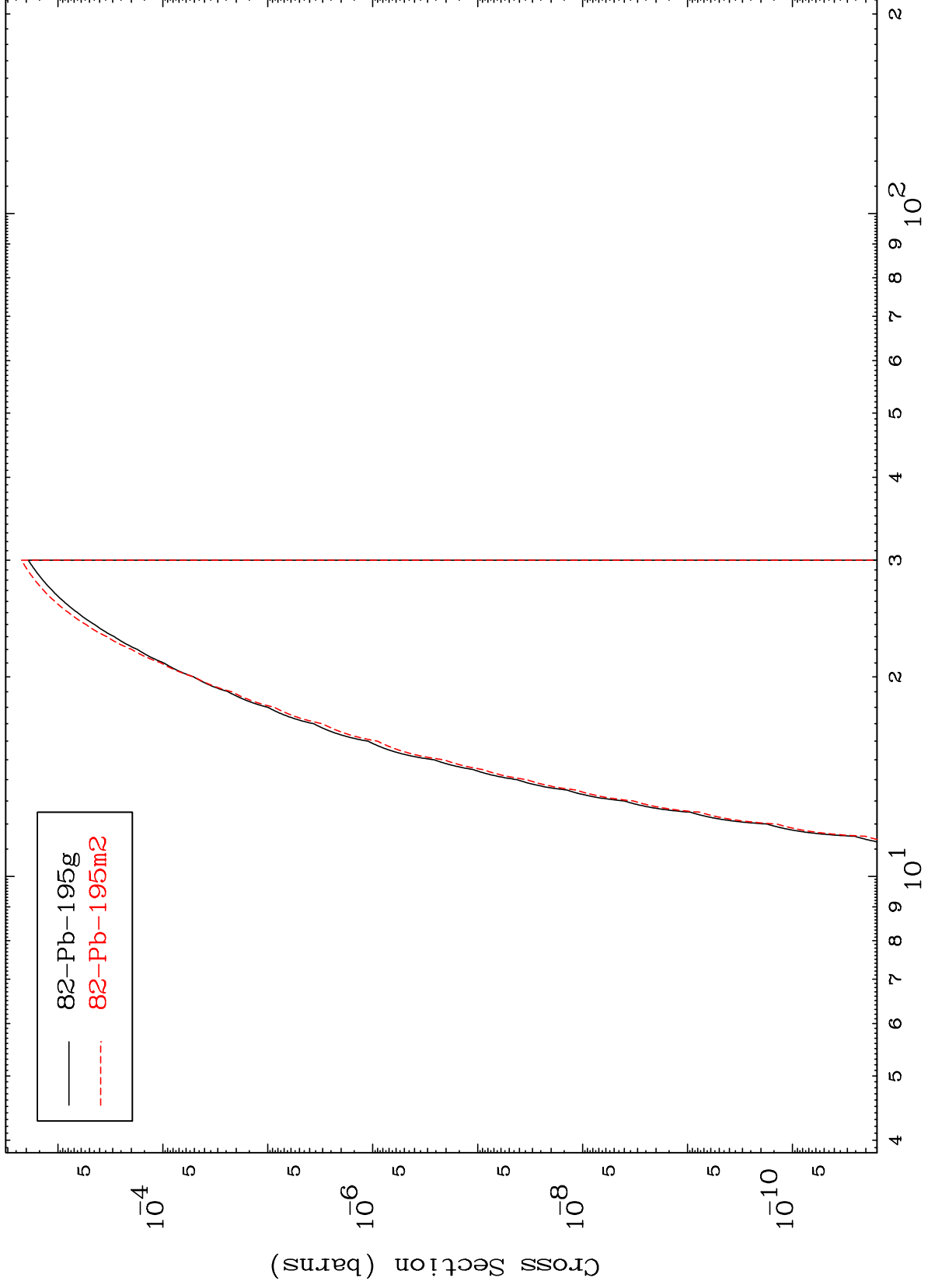
84-Po-197m

MAT 8399

(n,2n) p

84-Po-197m

Radionuclide Production Cross Section



31

Incident Energy (MeV)

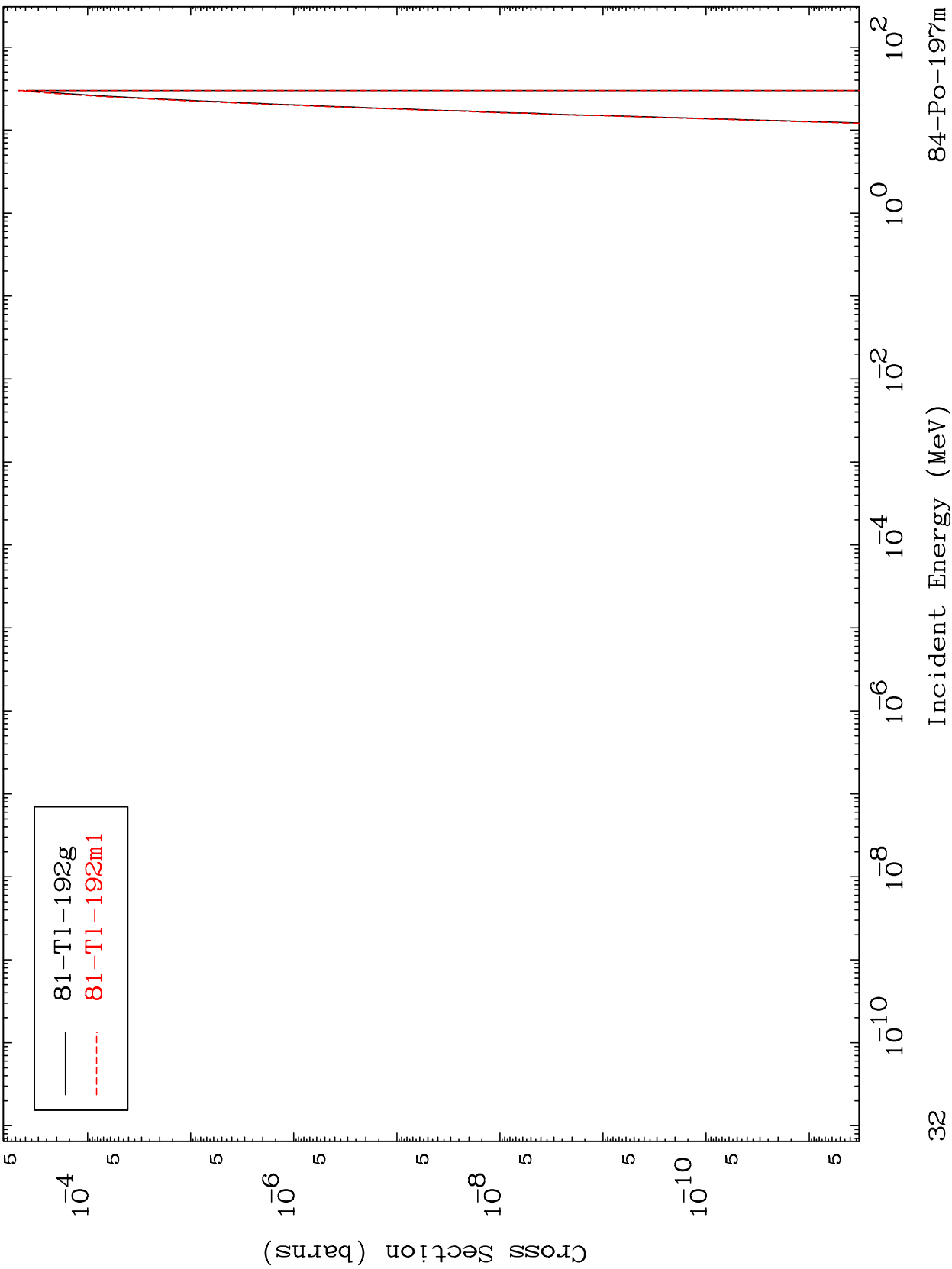
84-Po-197m

MAT 8399

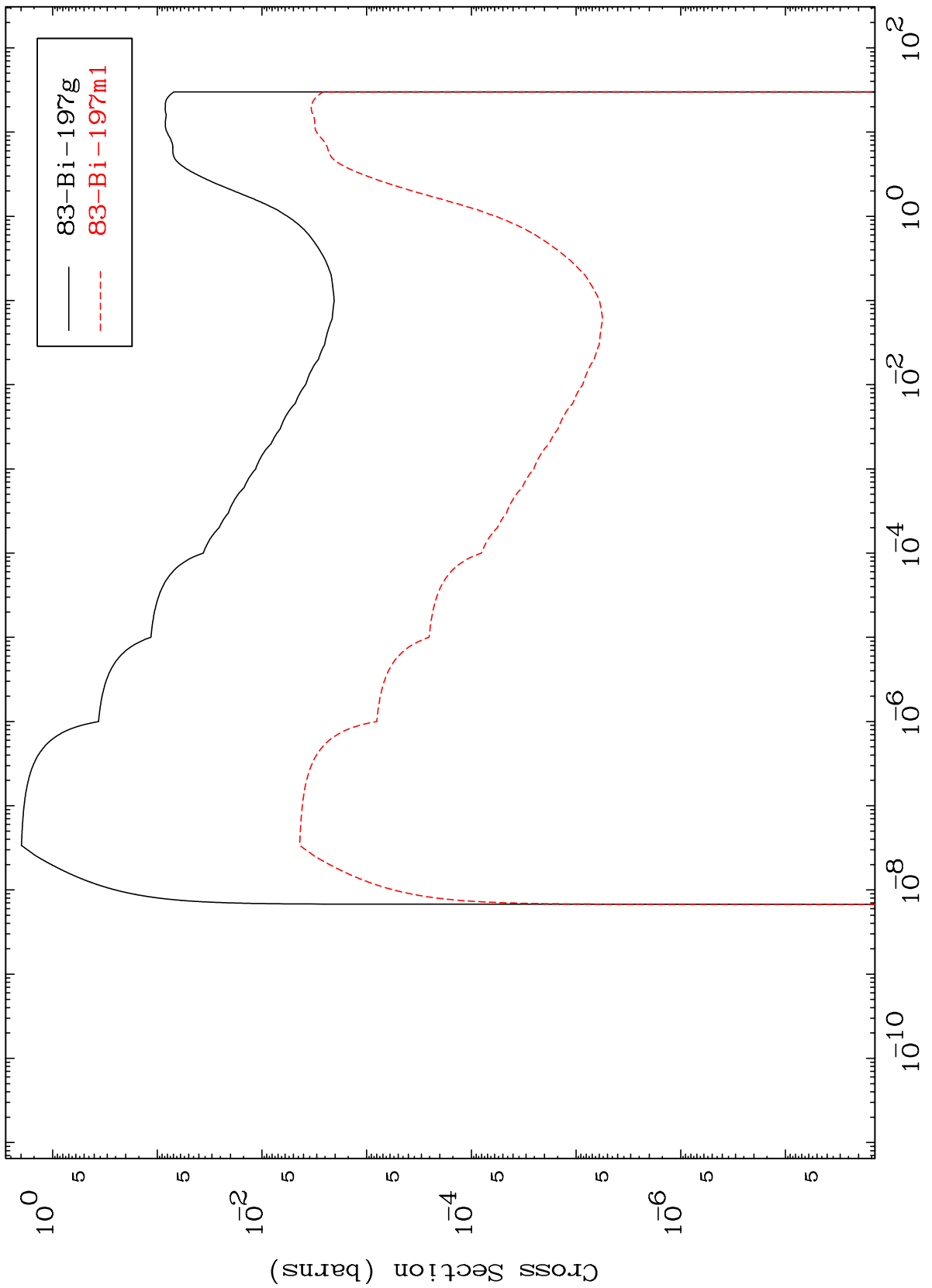
(n,n') p α

84-Po-197m

Radionuclide Production Cross Section



(n,p)
Radionuclide Production Cross Section

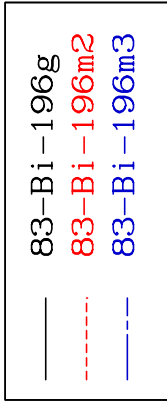
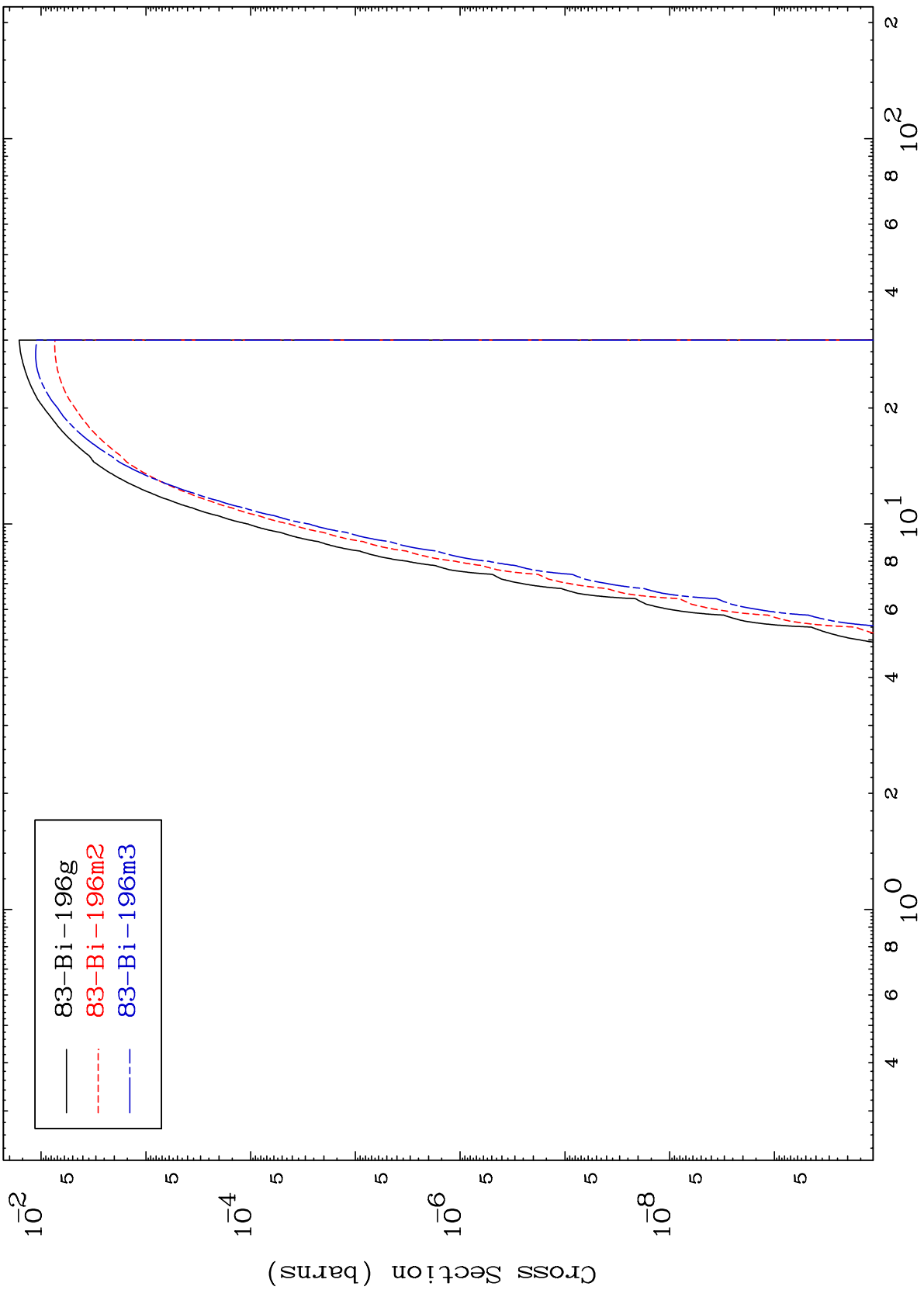


MAT 8399

(n, d)

84-Po-197m

Radionuclide Production Cross Section



34

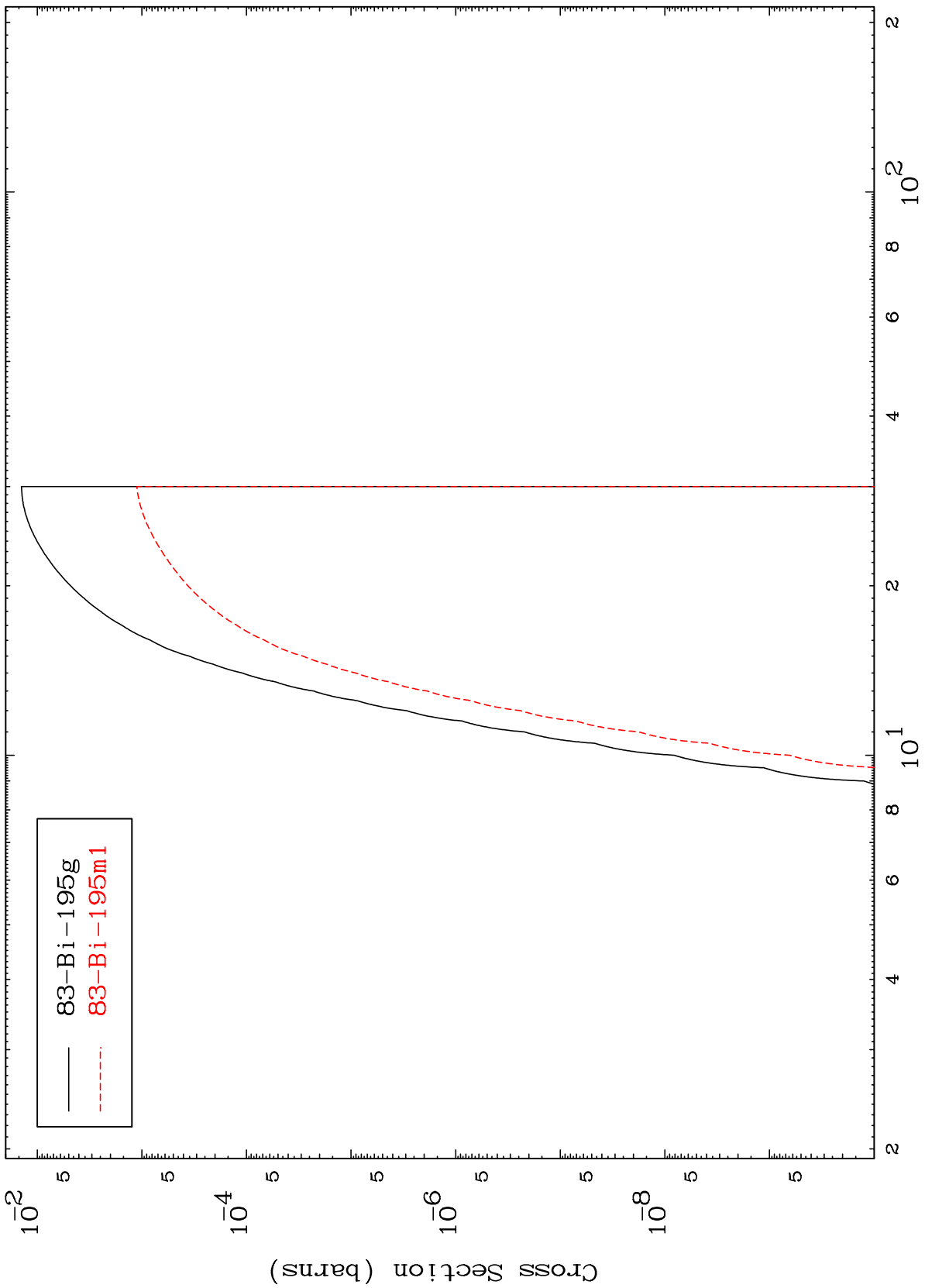
Incident Energy (MeV)

84-Po-197m

MAT 8399

84-Po-197m

Radionuclide Production Cross Section



35

Incident Energy (MeV)

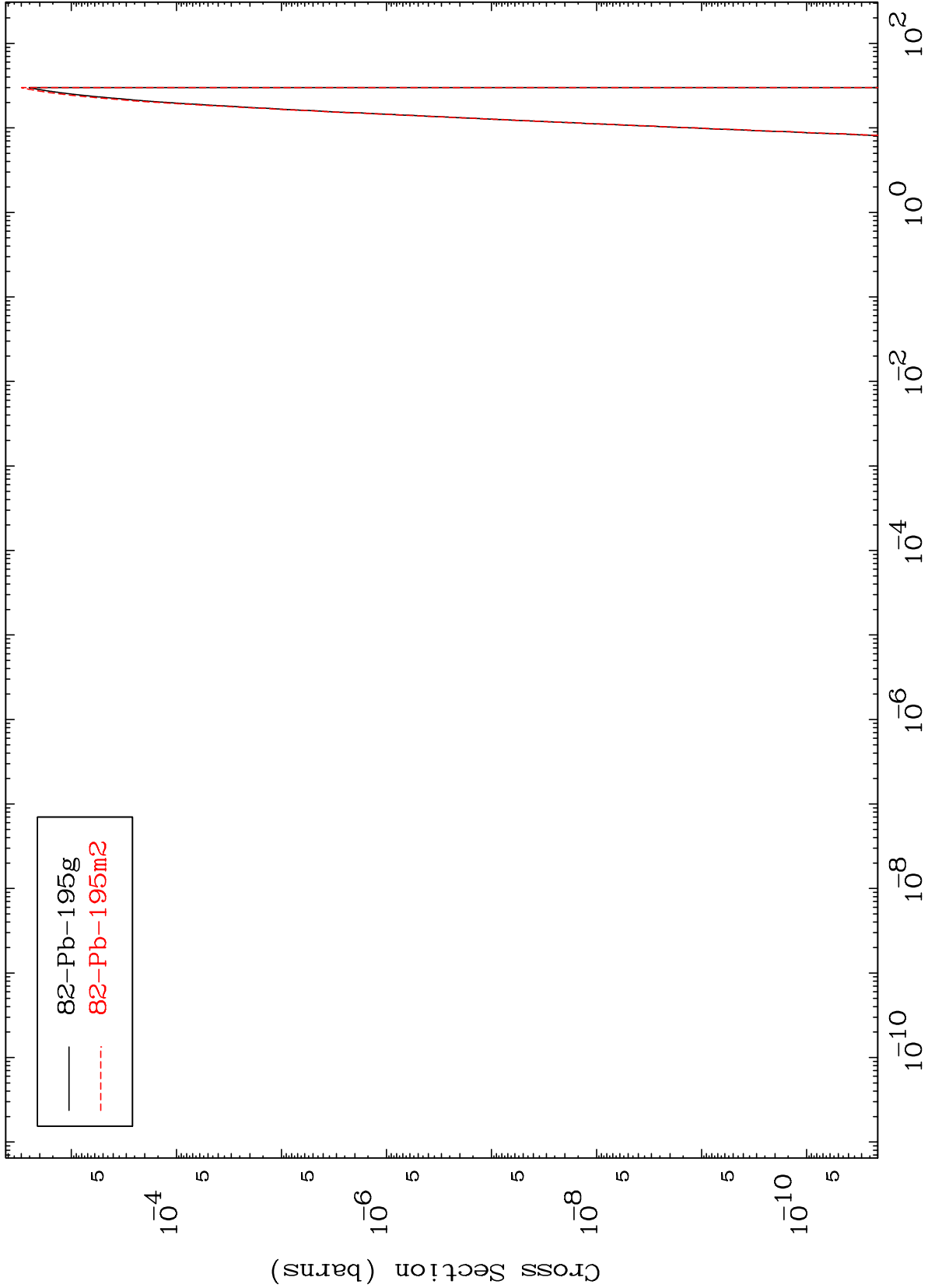
84-Po-197m

MAT 8399

(n,He-3)

84-Po-197m

Radionuclide Production Cross Section



36

Incident Energy (MeV)

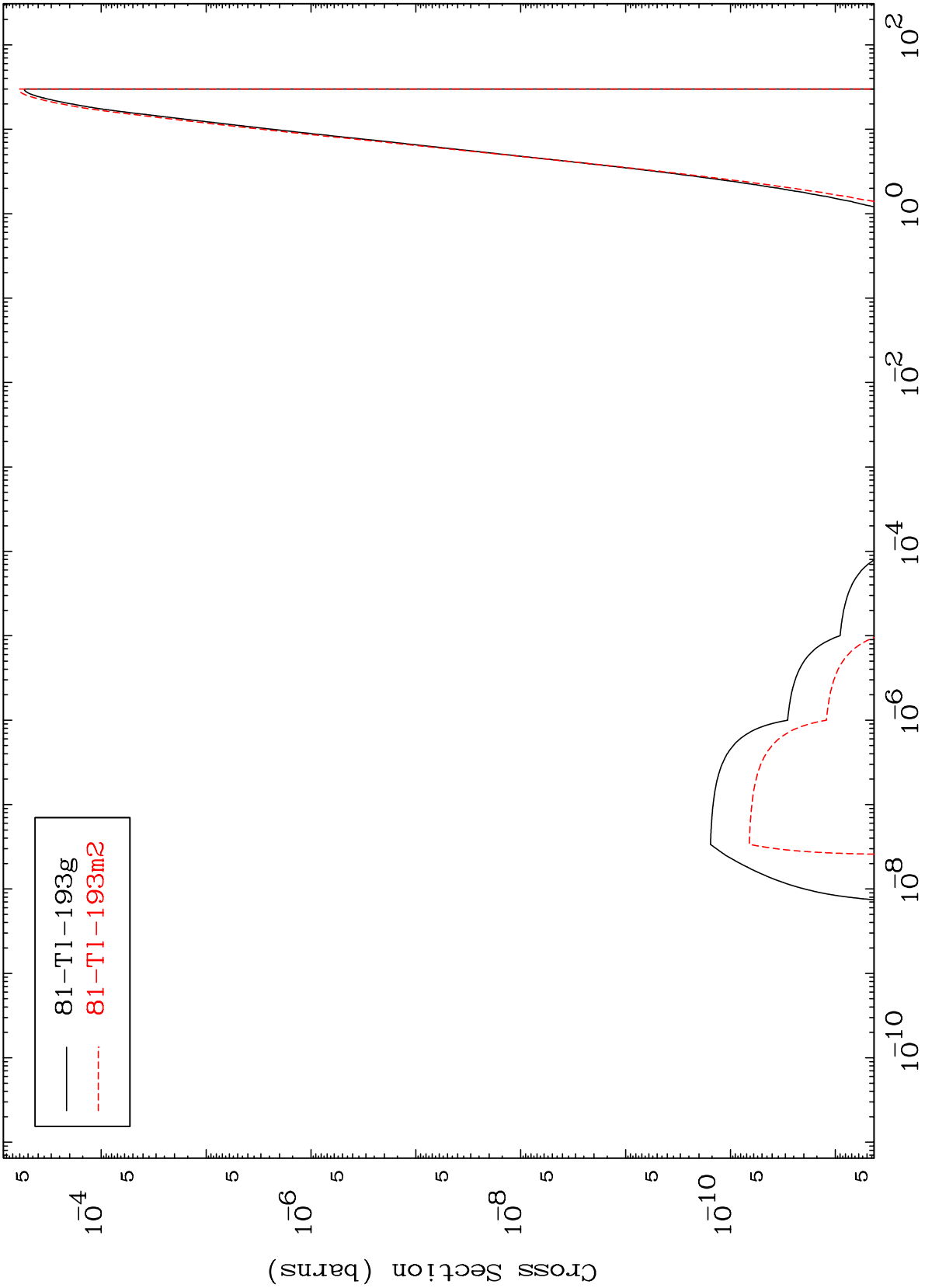
84-Po-197m

MAT 8399

(n,p) α

84-Po-197m

Radionuclide Production Cross Section

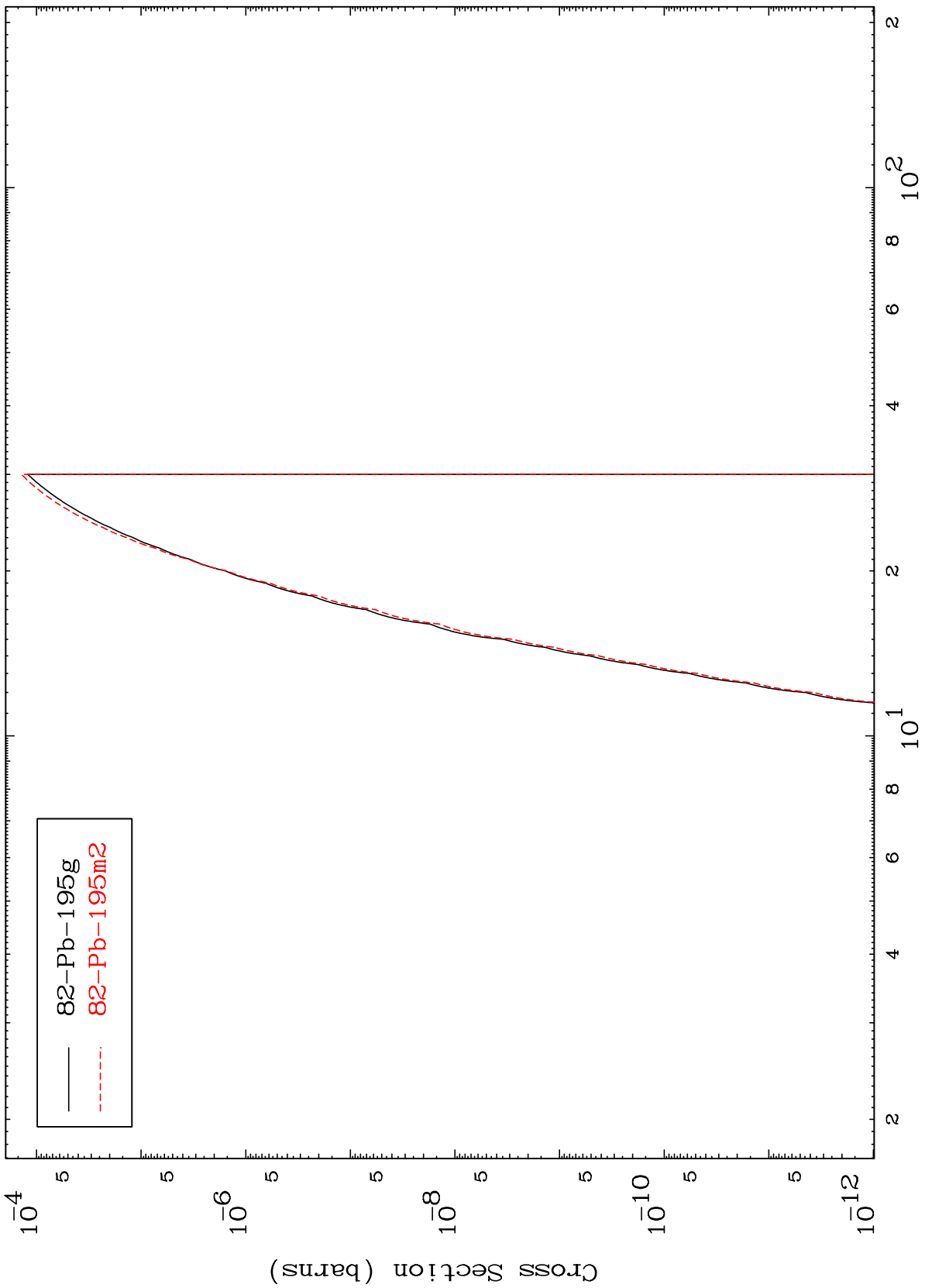


MAT 8399

(n,p) d

84-Po-197m

Radionuclide Production Cross Section



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

MAT 8399

(n,d) α

84-Po-197m

Radionuclide Production Cross Section

