

Program EVALPLOT
(Version 2021-1)

by

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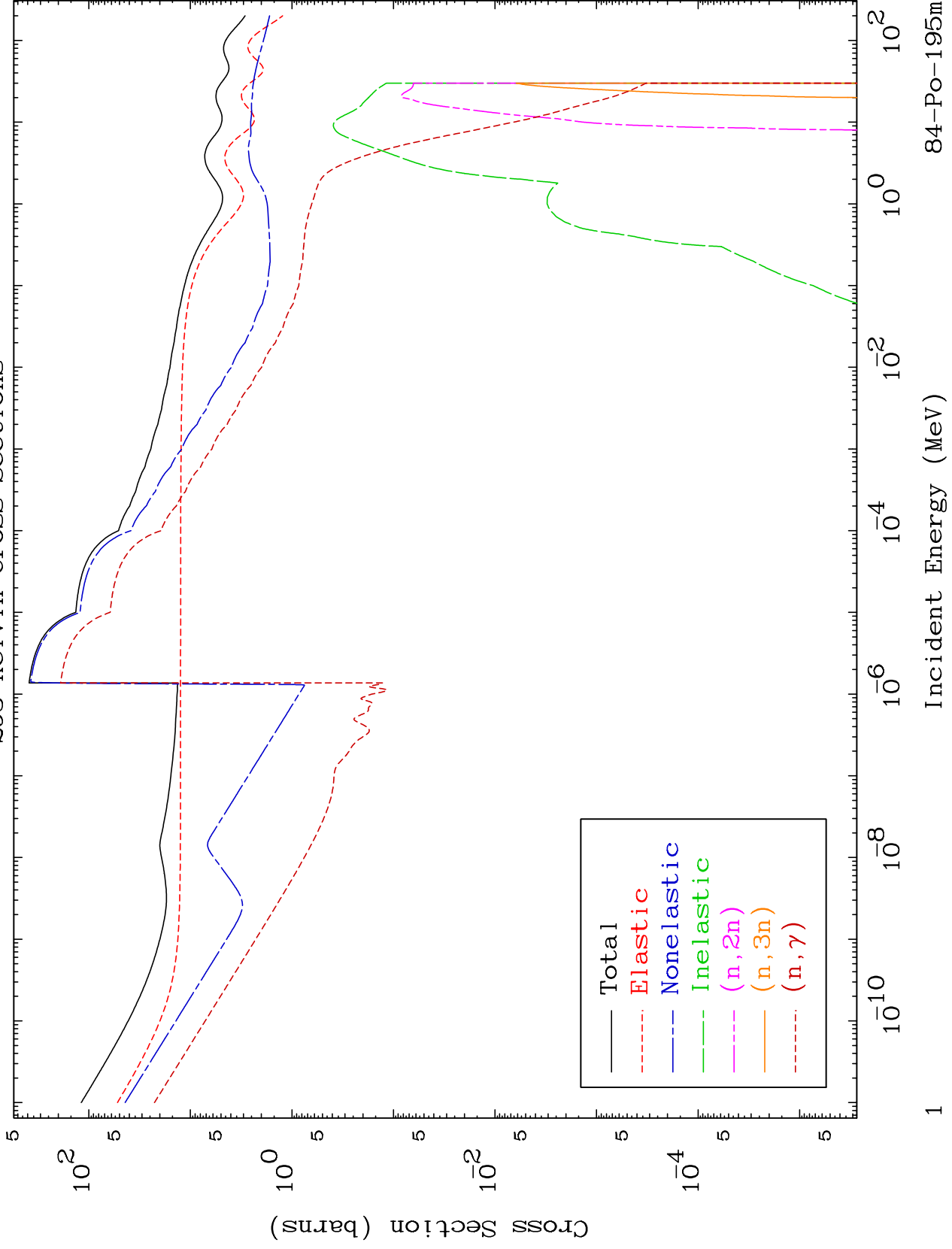
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8393

Neutron Major
293 Kelvin Cross Sections

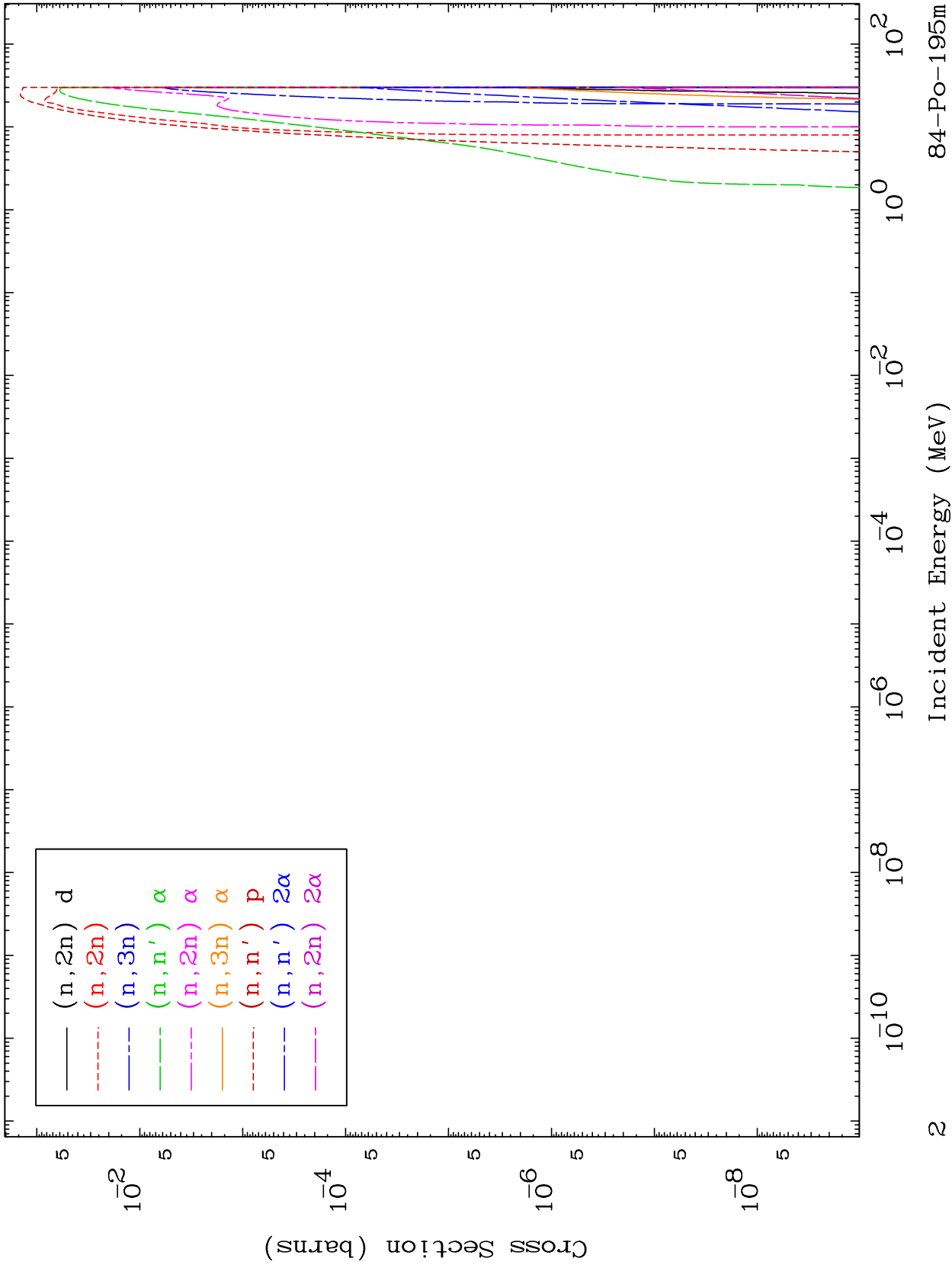
84-Po-195m



MAT 8393

Neutron Absorption
293 Kelvin Cross Sections

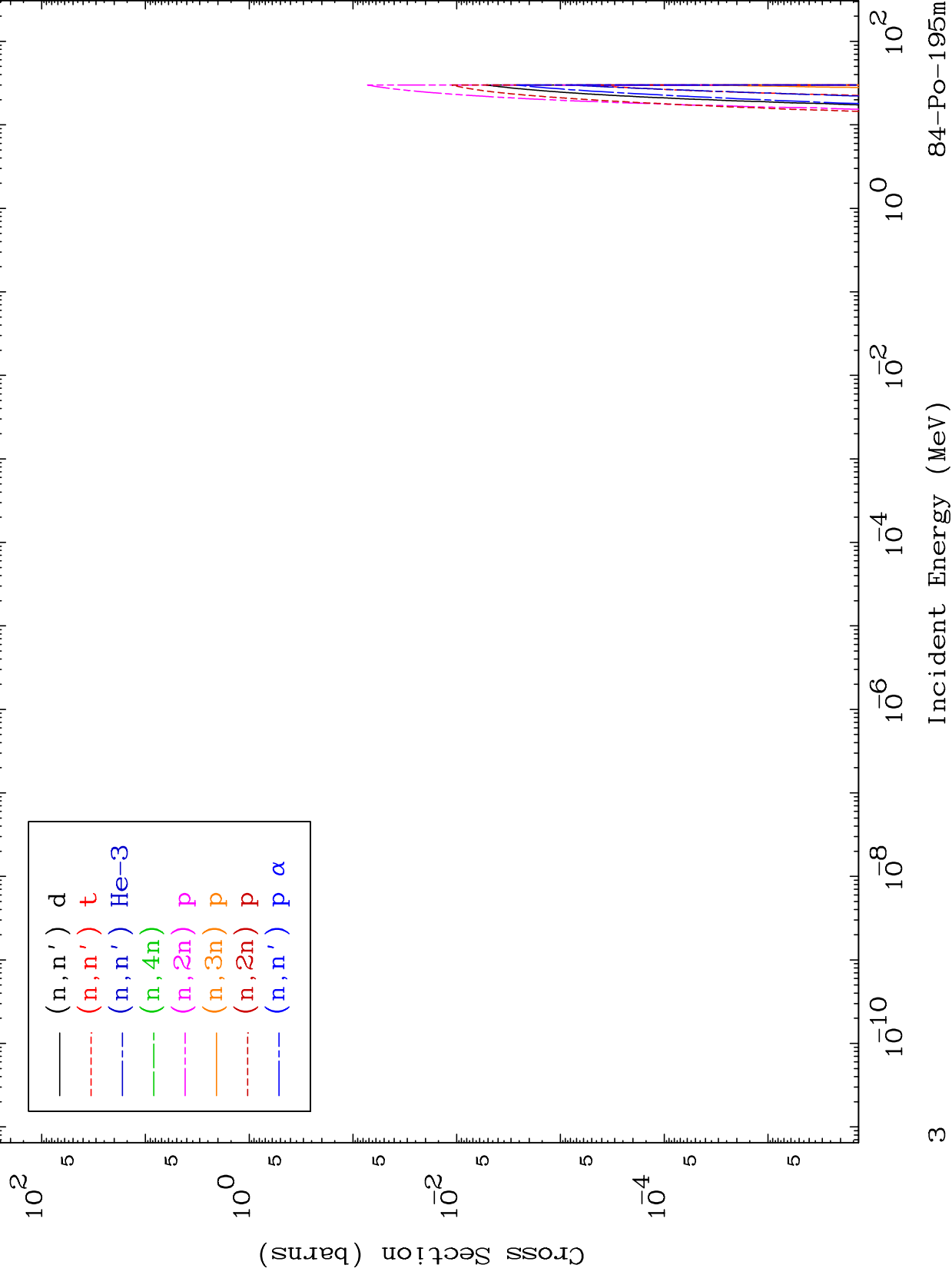
84-Po-195m



MAT 8393

Neutron Absorption
293 Kelvin Cross Sections

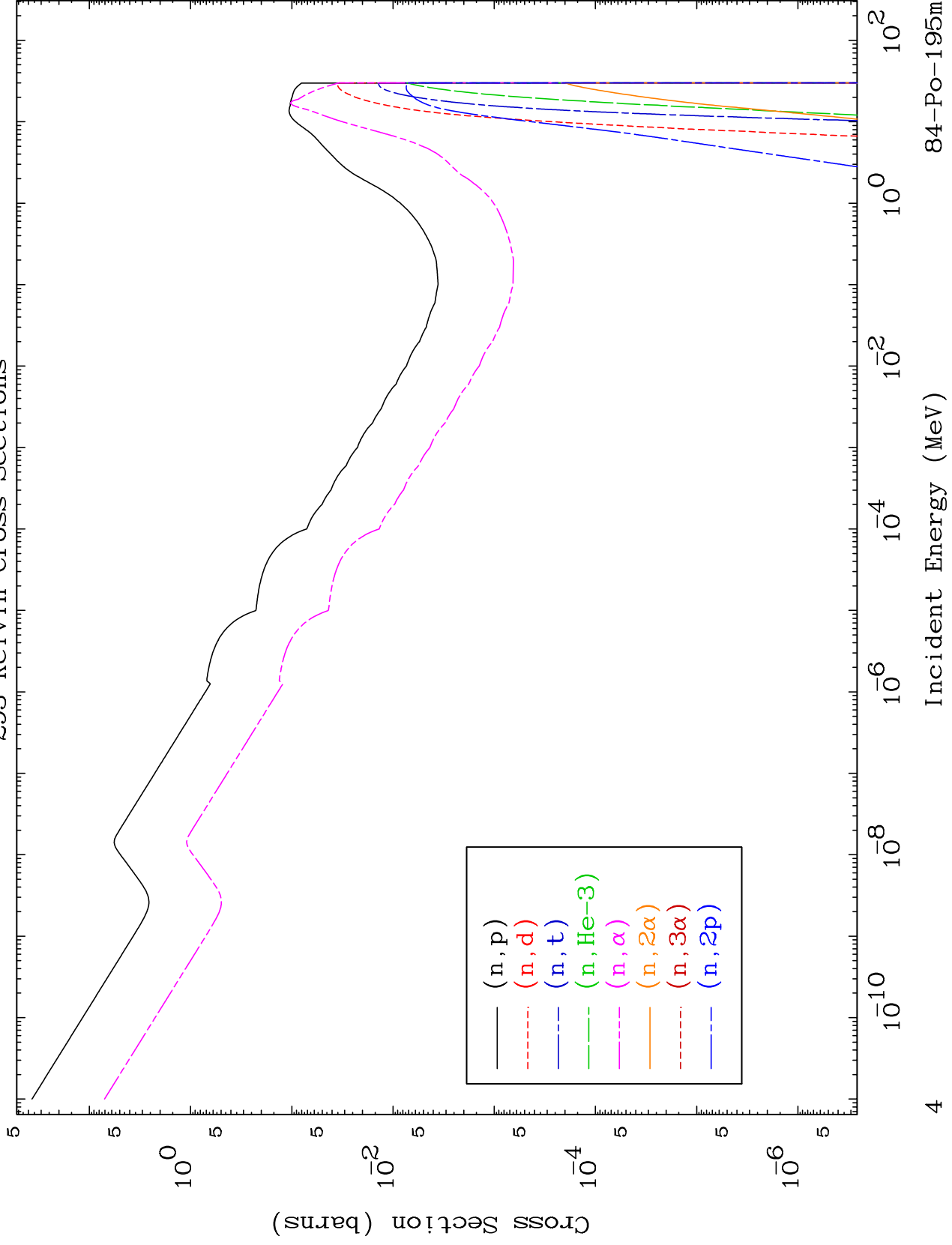
84-Po-195m



MAT 8393

Neutron Absorption
293 Kelvin Cross Sections

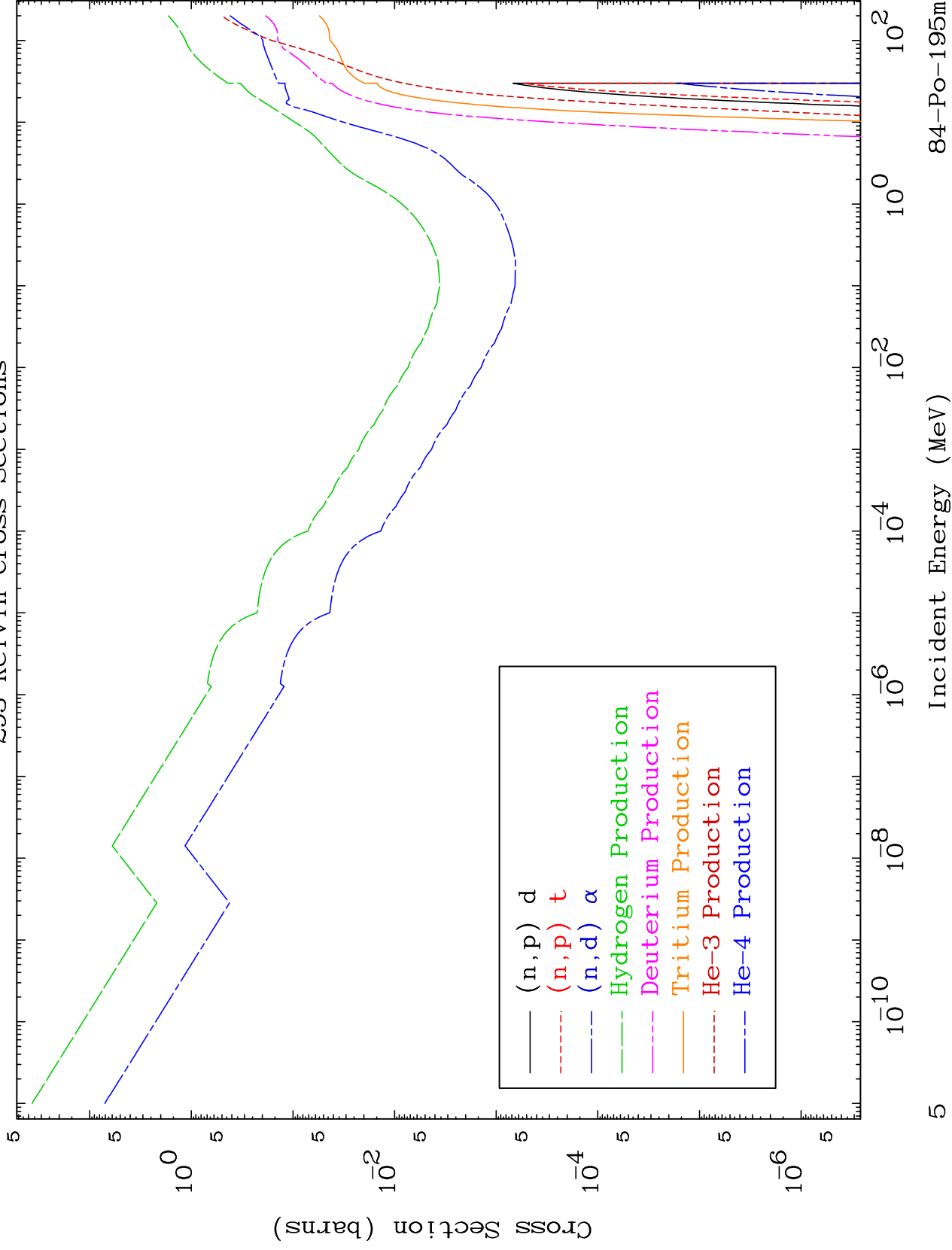
84-Po-195m



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Neutron Absorption
293 Kelvin Cross Sections

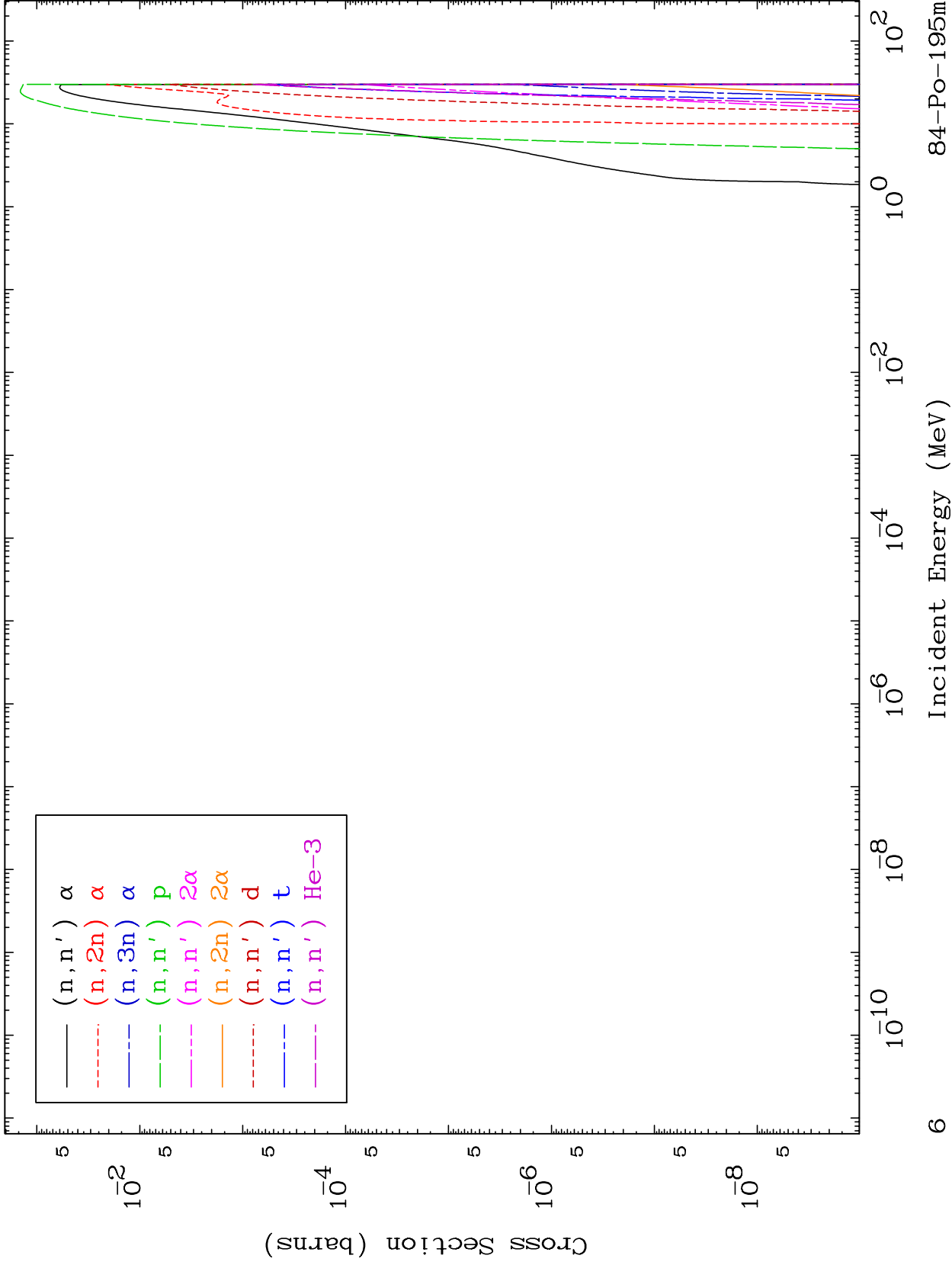
84-Po-195m



MAT 8393

Charged Particle
293 Kelvin Cross Sections

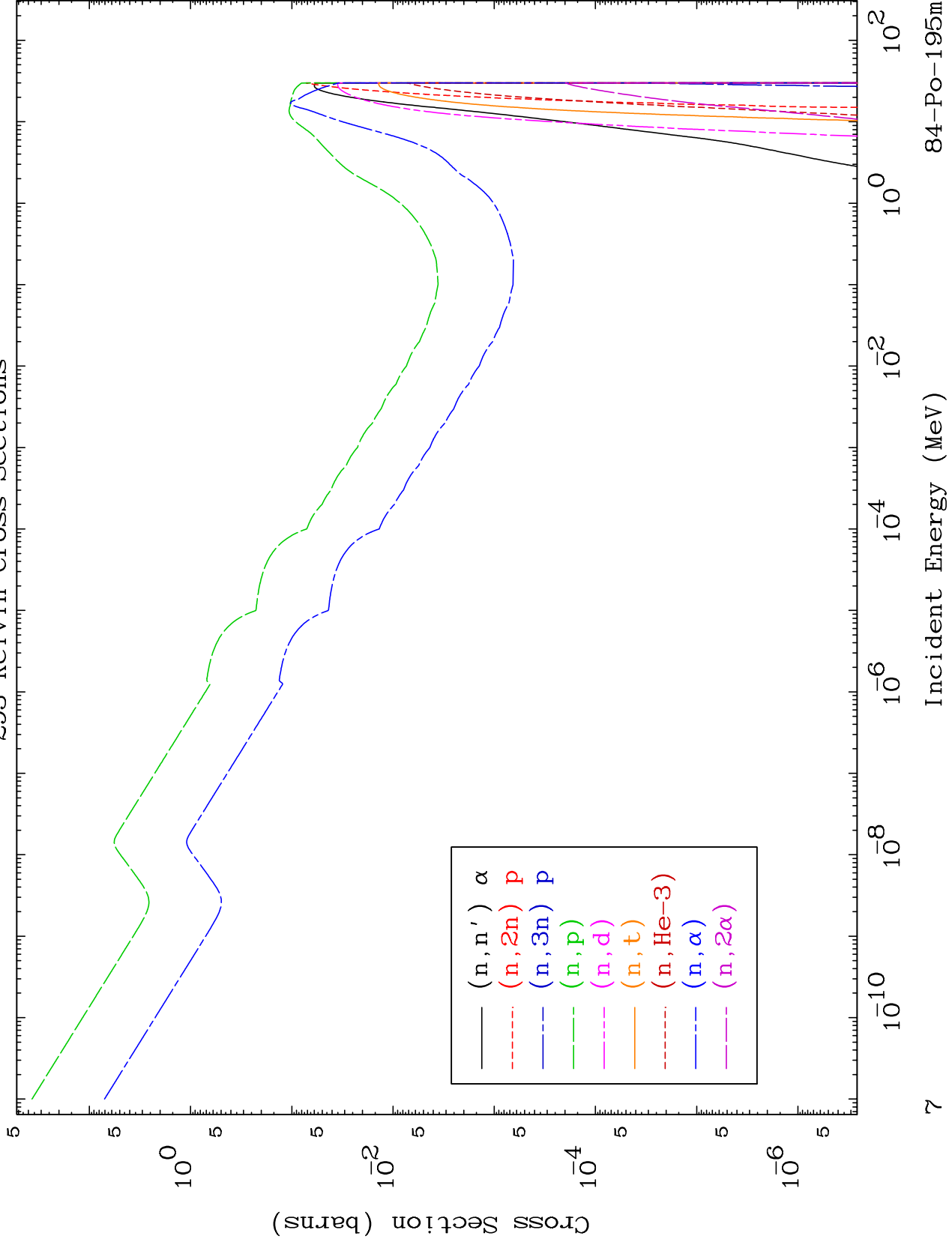
84-Po-195m



MAT 8393

Charged Particle
293 Kelvin Cross Sections

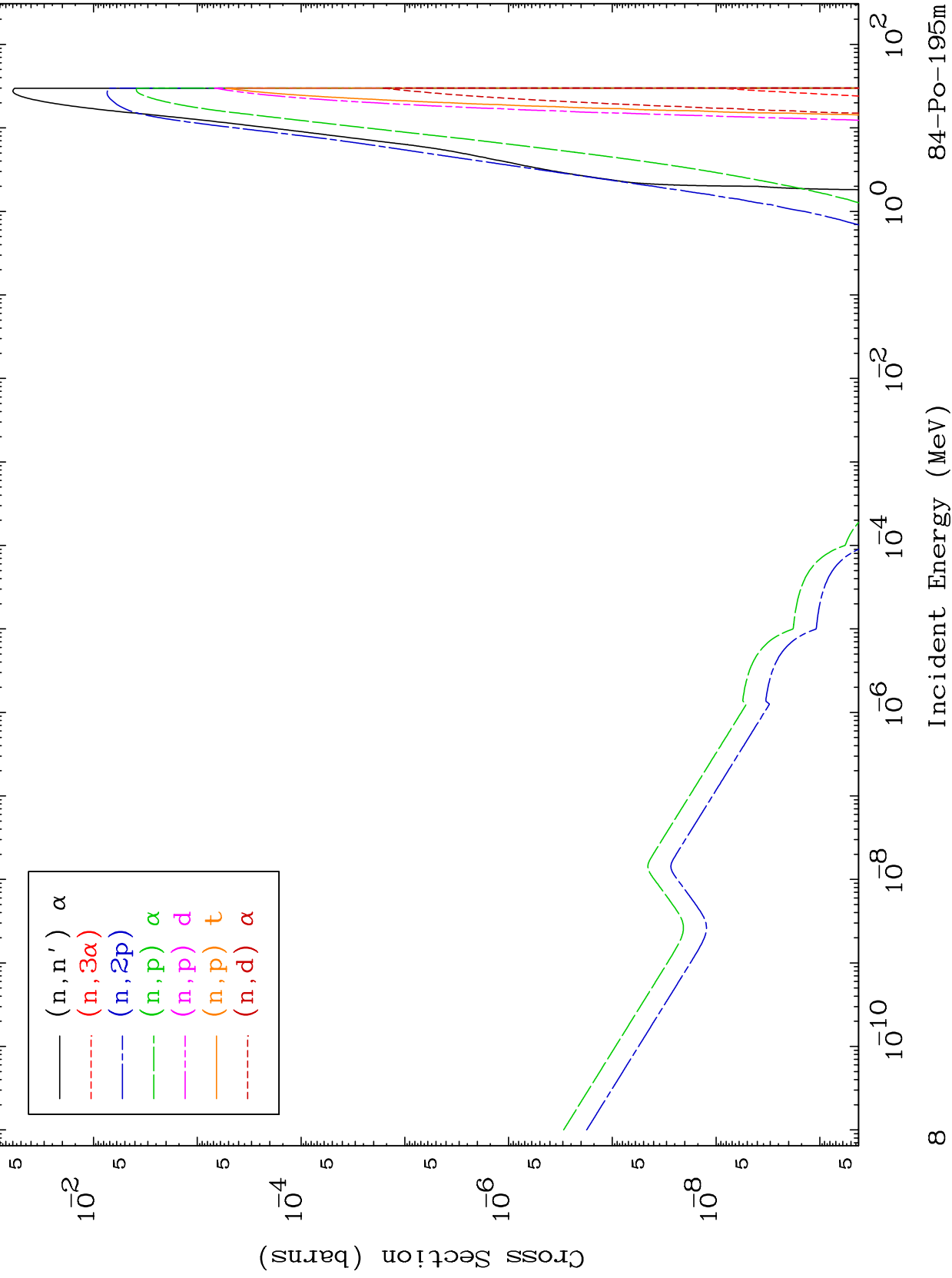
84-Po-195m



MAT 8393

Charged Particle
293 Kelvin Cross Sections

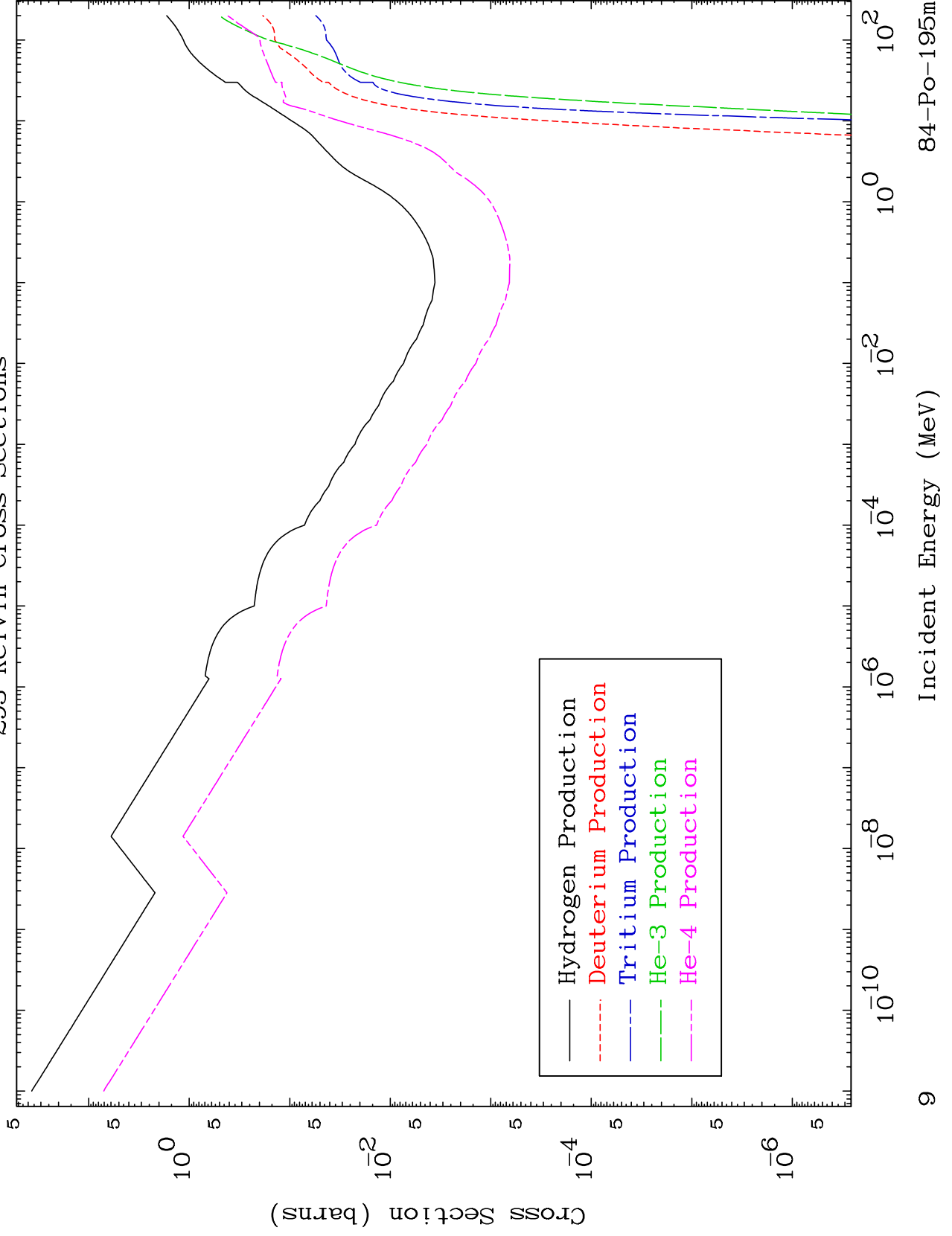
84-Po-195m



MAT 8393

Particle Production
293 Kelvin Cross Sections

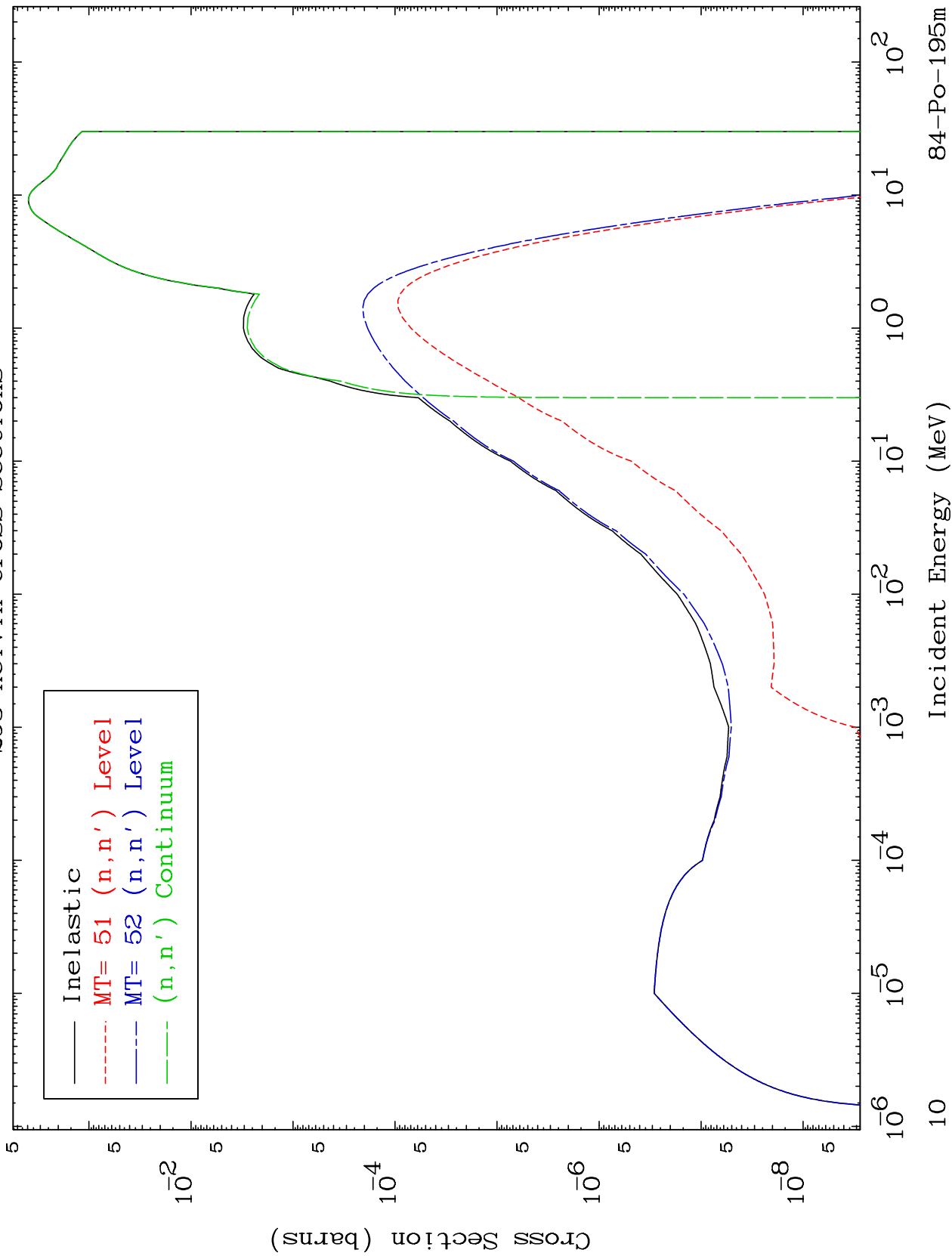
84-Po-195m



MAT 8393

(n,n') Levels
293 Kelvin Cross Sections

84-Po-195m



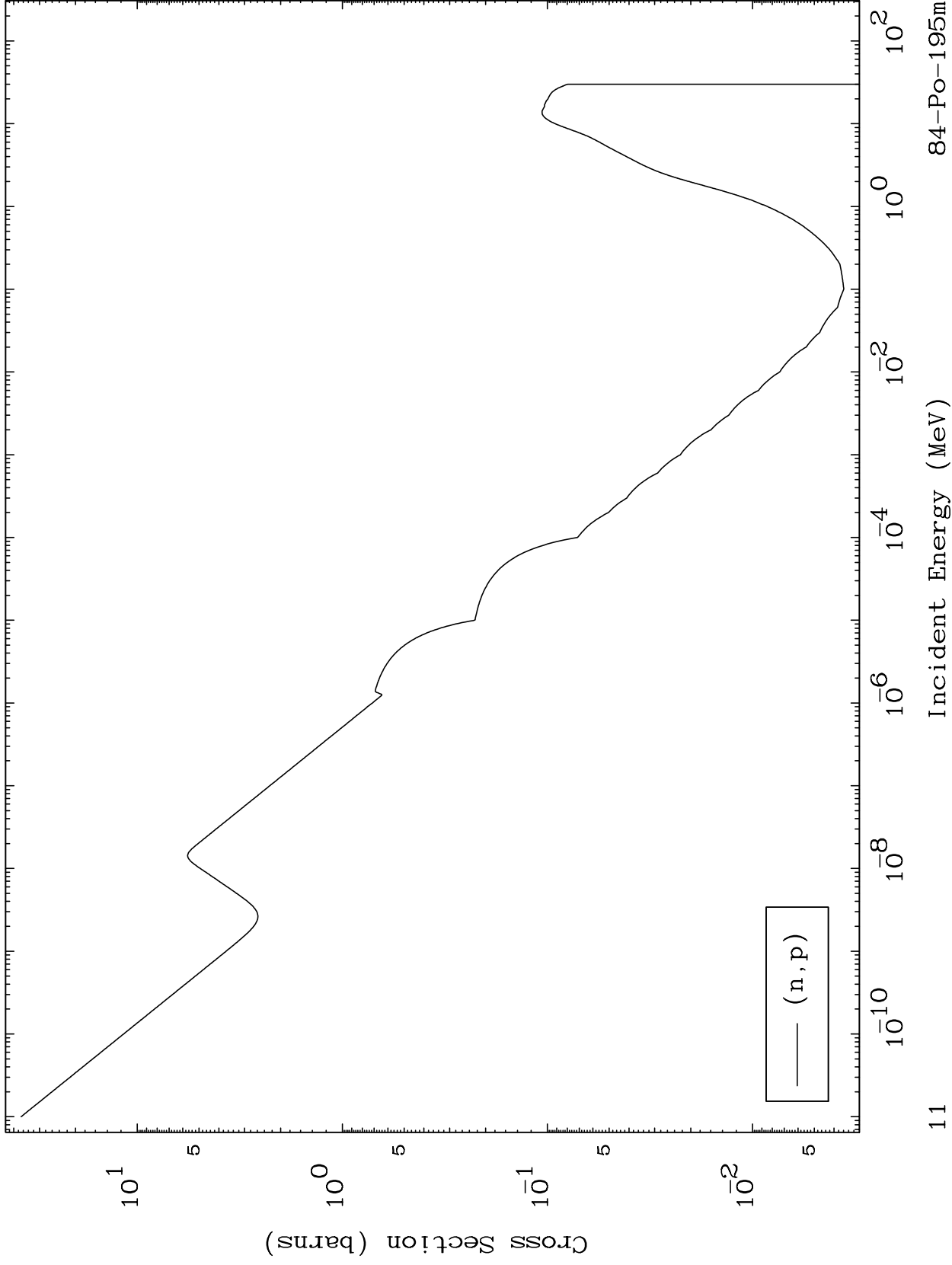
84-Po-195m

Incident Energy (MeV)

MAT 8393

(n,p) Levels
293 Kelvin Cross Sections

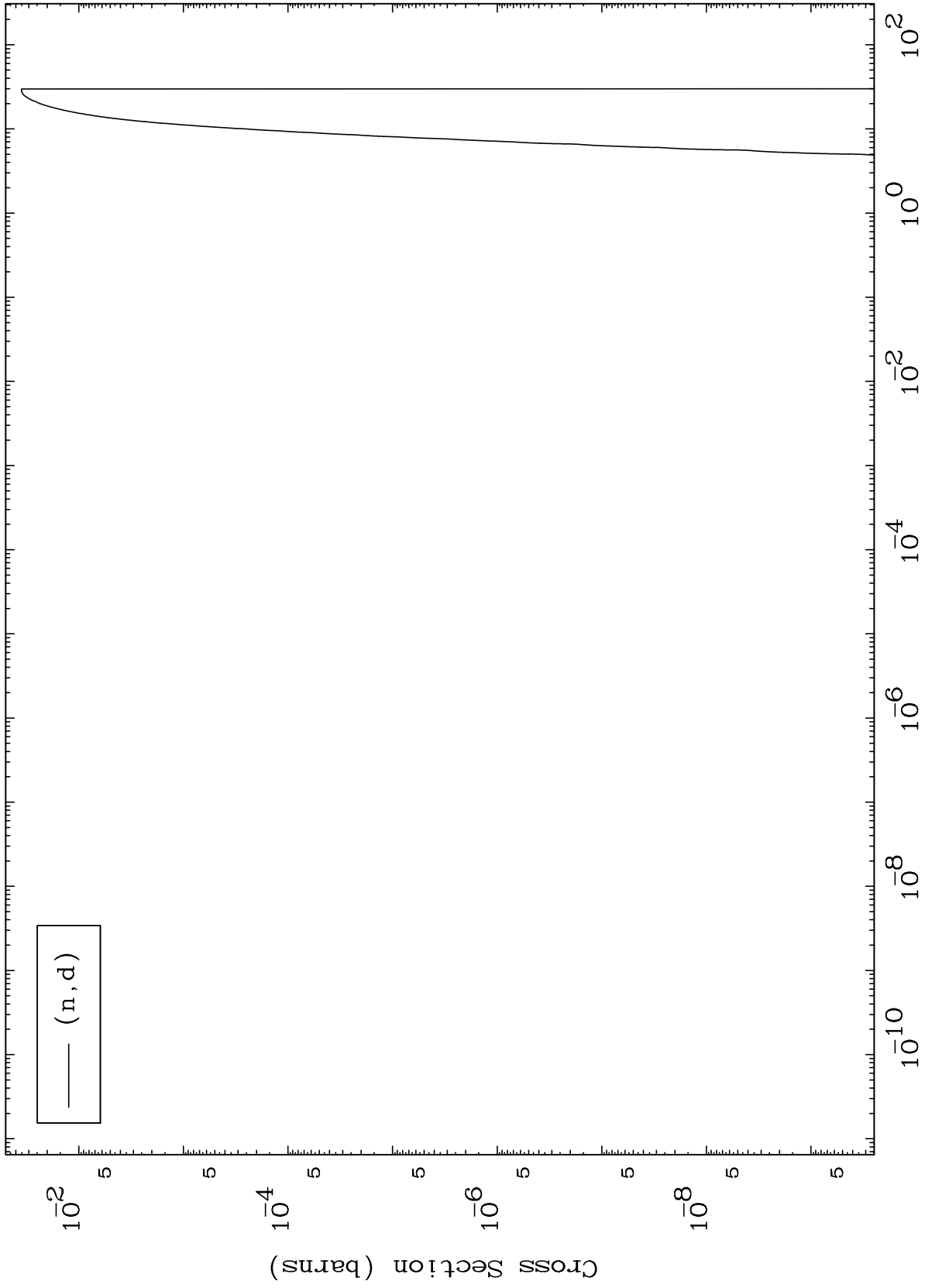
84-Po-195m



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(n,d) Levels
293 Kelvin Cross Sections

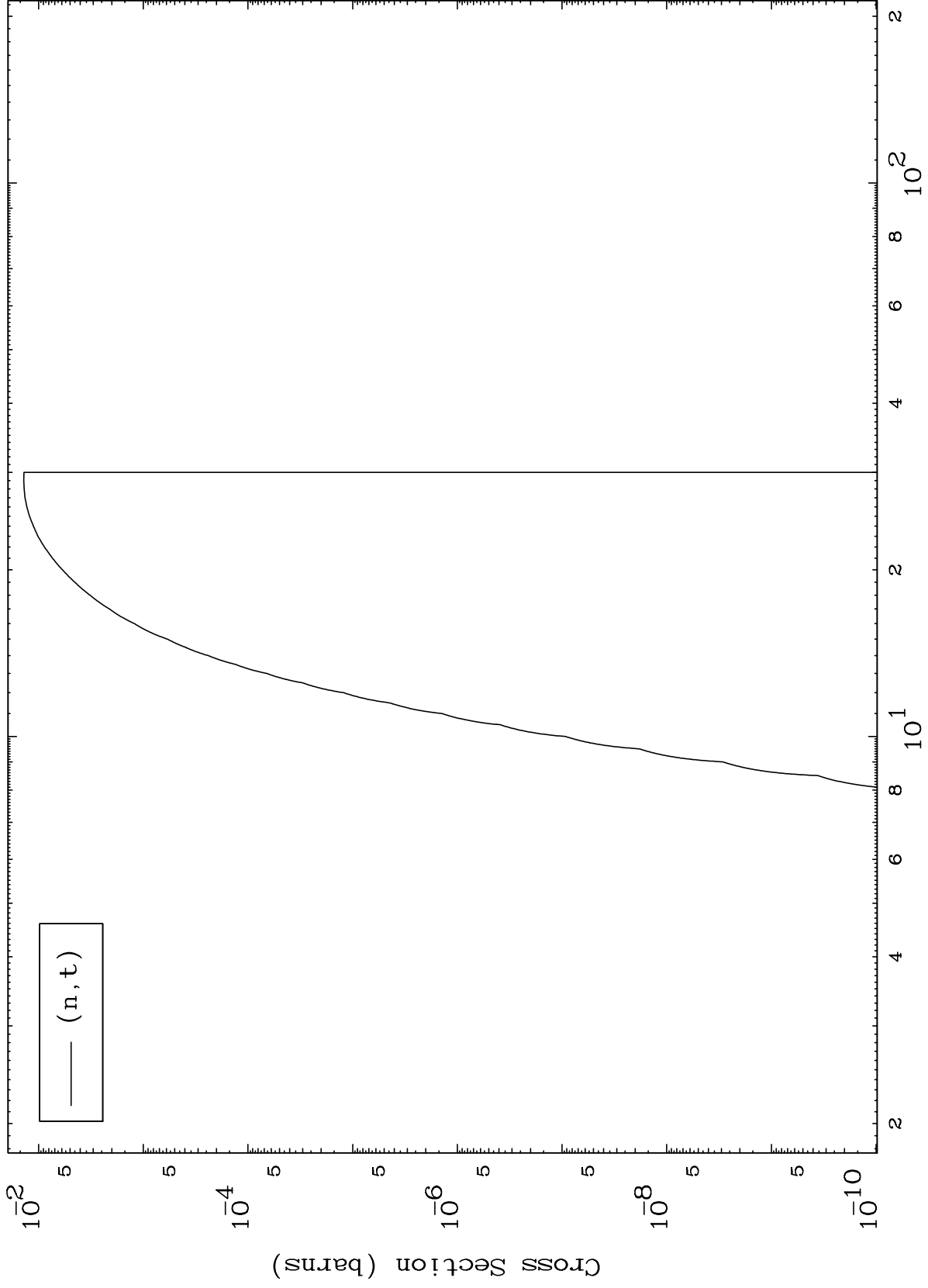
84-Po-195m



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(n,t) Levels
293 Kelvin Cross Sections

84-Po-195m



13

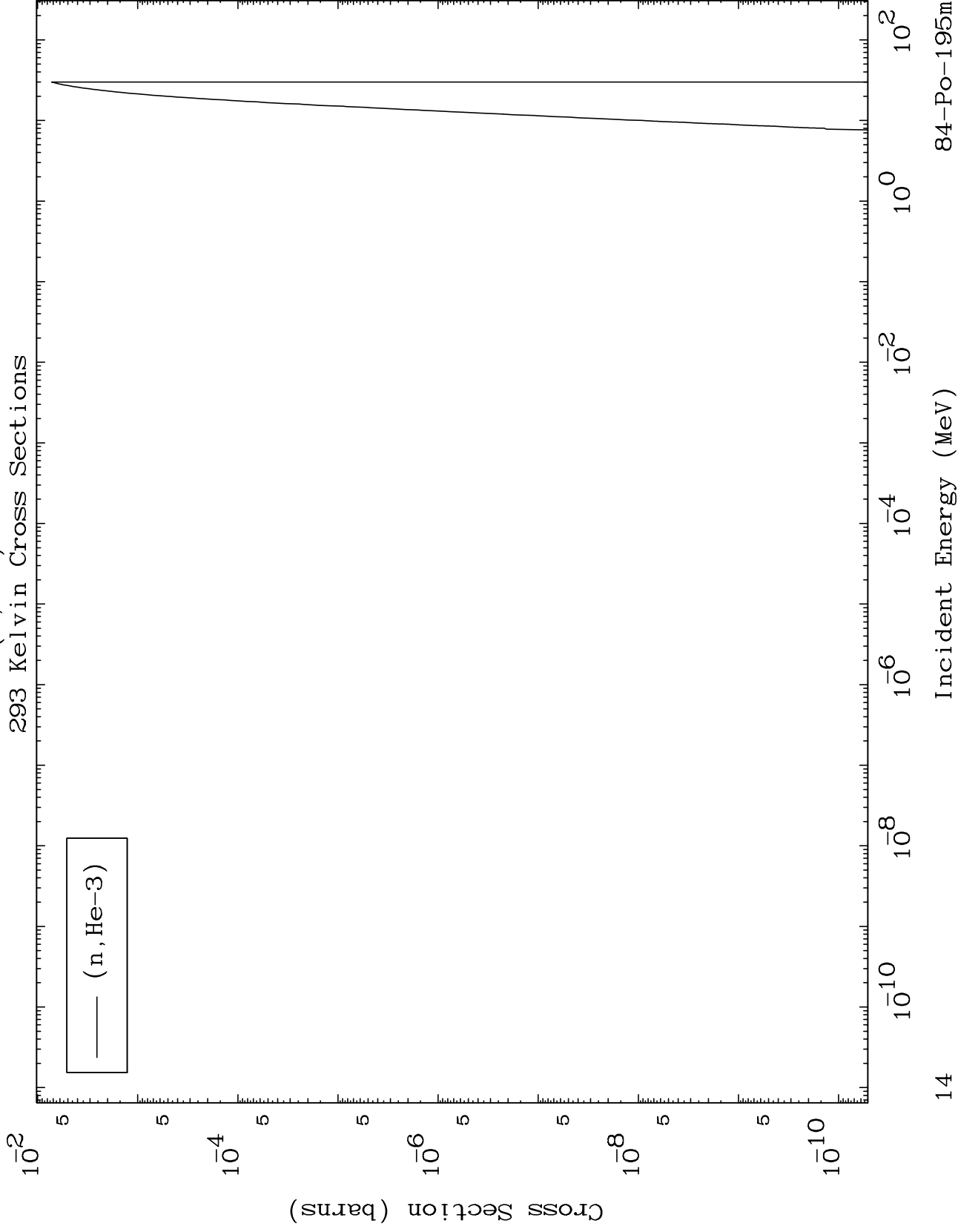
Incident Energy (MeV)

84-Po-195m

MAT 8393

(n,He3) Levels
293 Kelvin Cross Sections

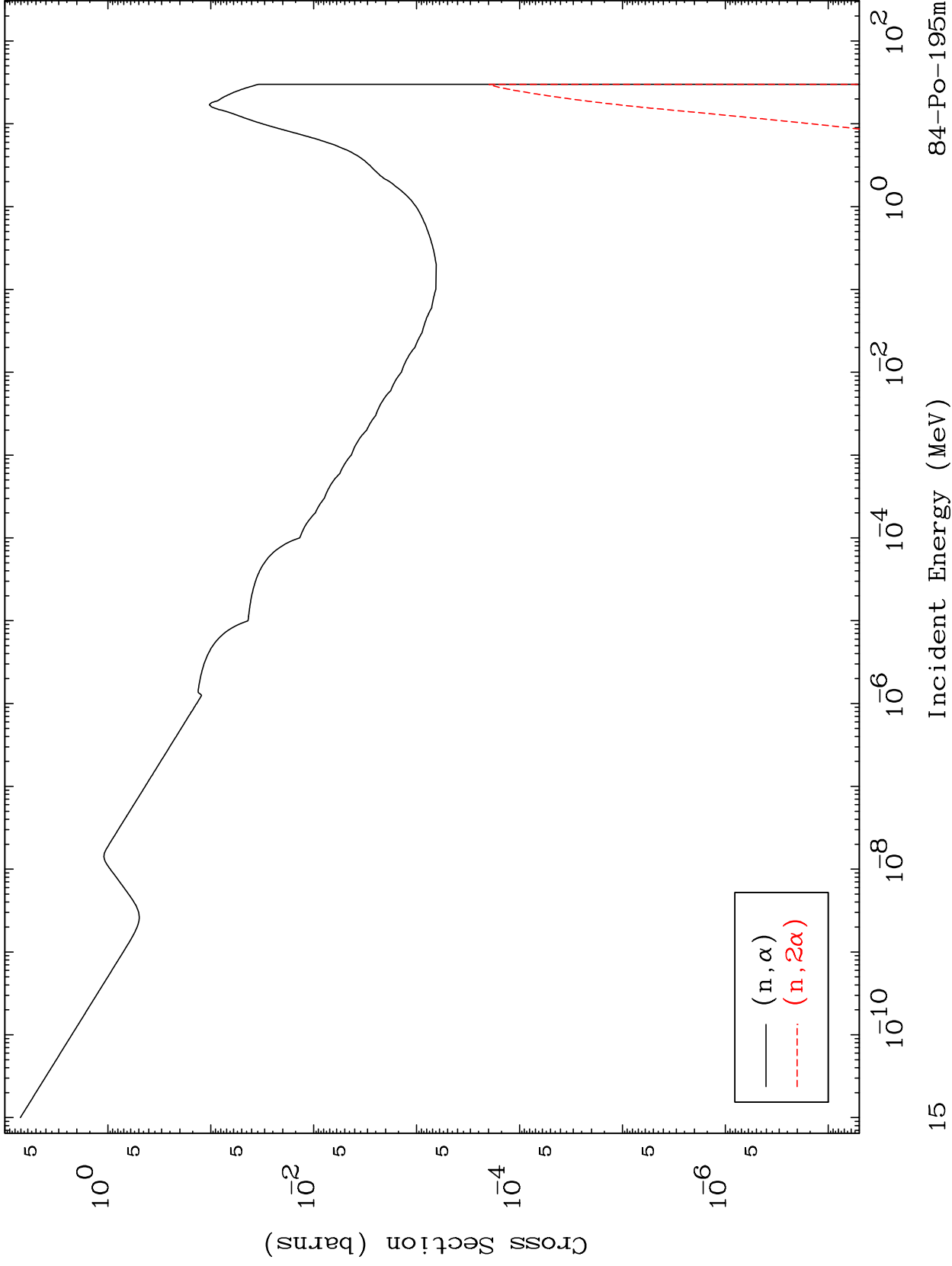
84-Po-195m



MAT 8393

(n, α) Levels
293 Kelvin Cross Sections

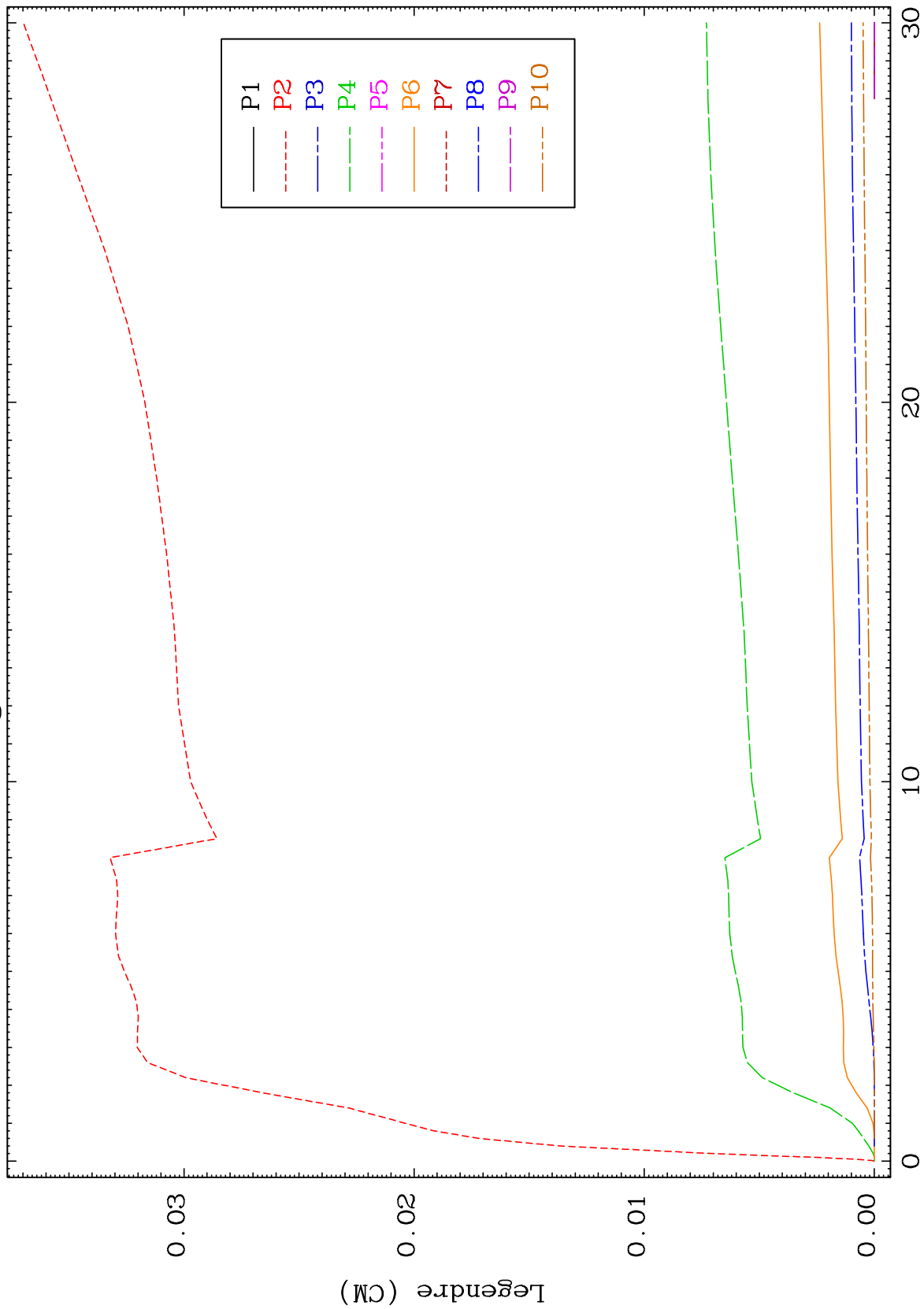
84-Po-195m



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Elastic Legendre Coefficients

84-Po-195m



16

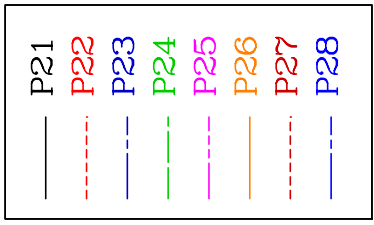
Incident Energy (MeV)

84-Po-195m

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Elastic Legendre Coefficients

84-Po-195m



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

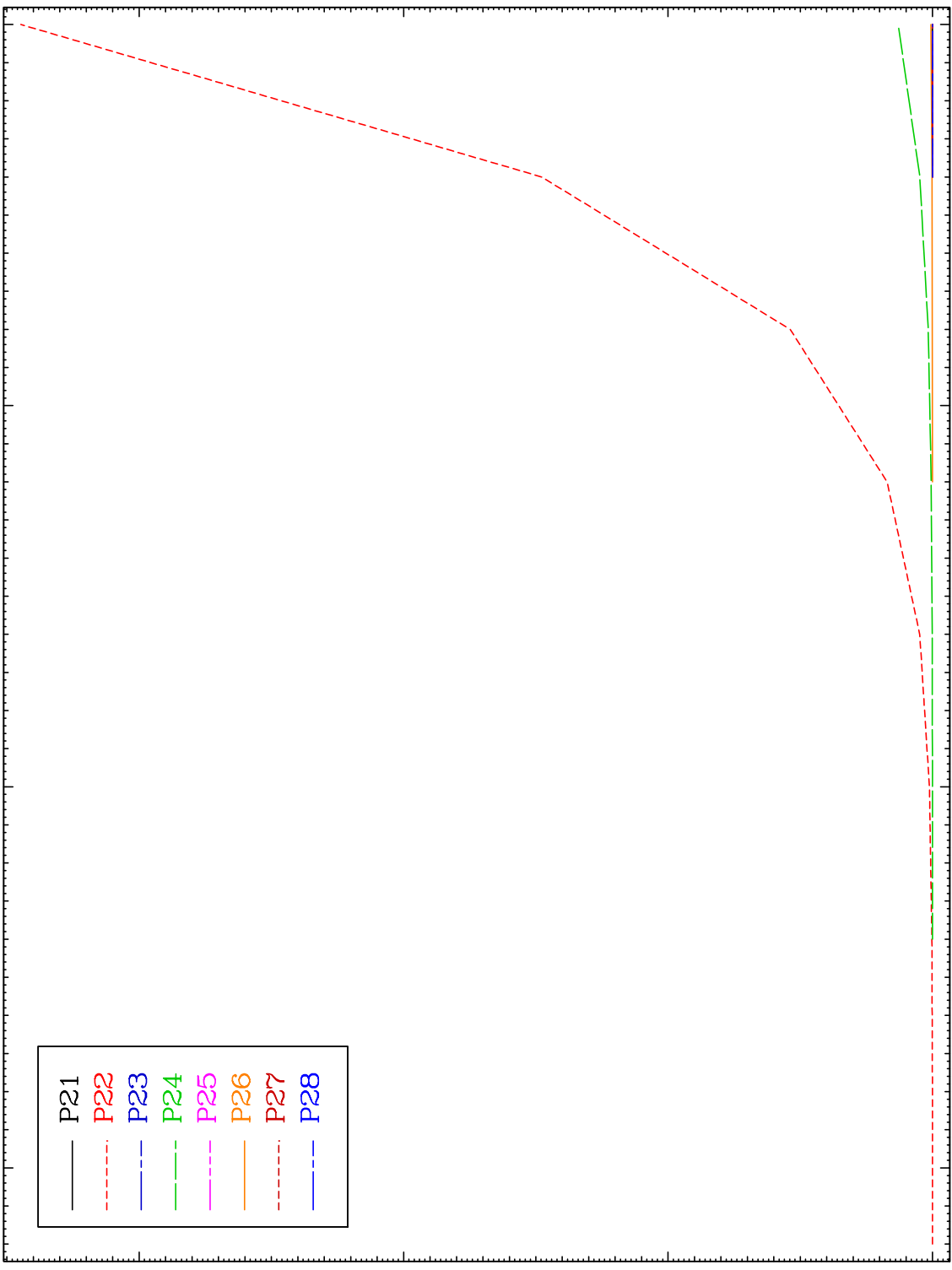
25

30

18

Incident Energy (MeV)

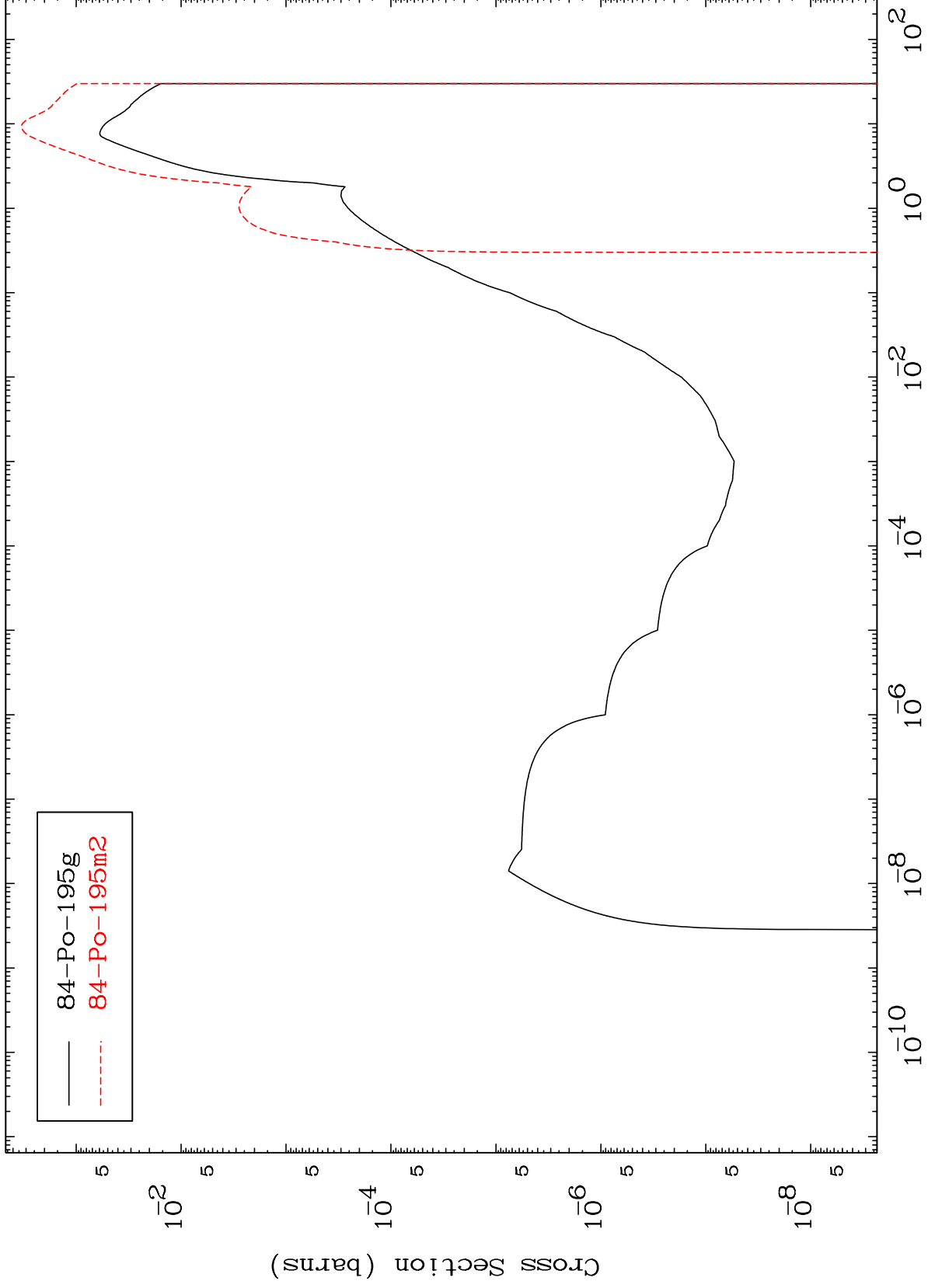
84-Po-195m



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Inelastic
Radionuclide Production Cross Section

84-Po-195m



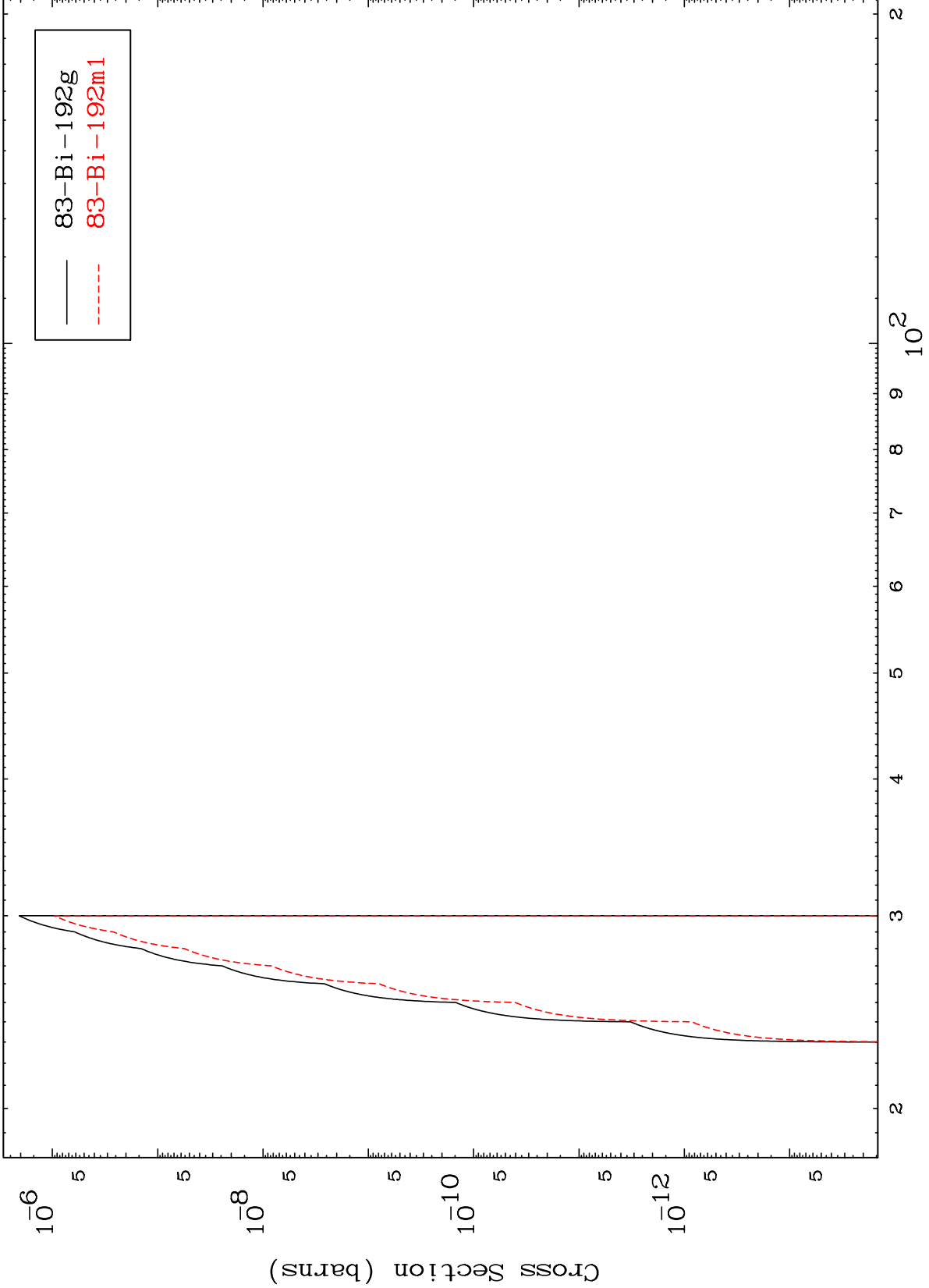
84-Po-195g
84-Po-195m2

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(n,2n) d

84-Po-195m

Radionuclide Production Cross Section



20

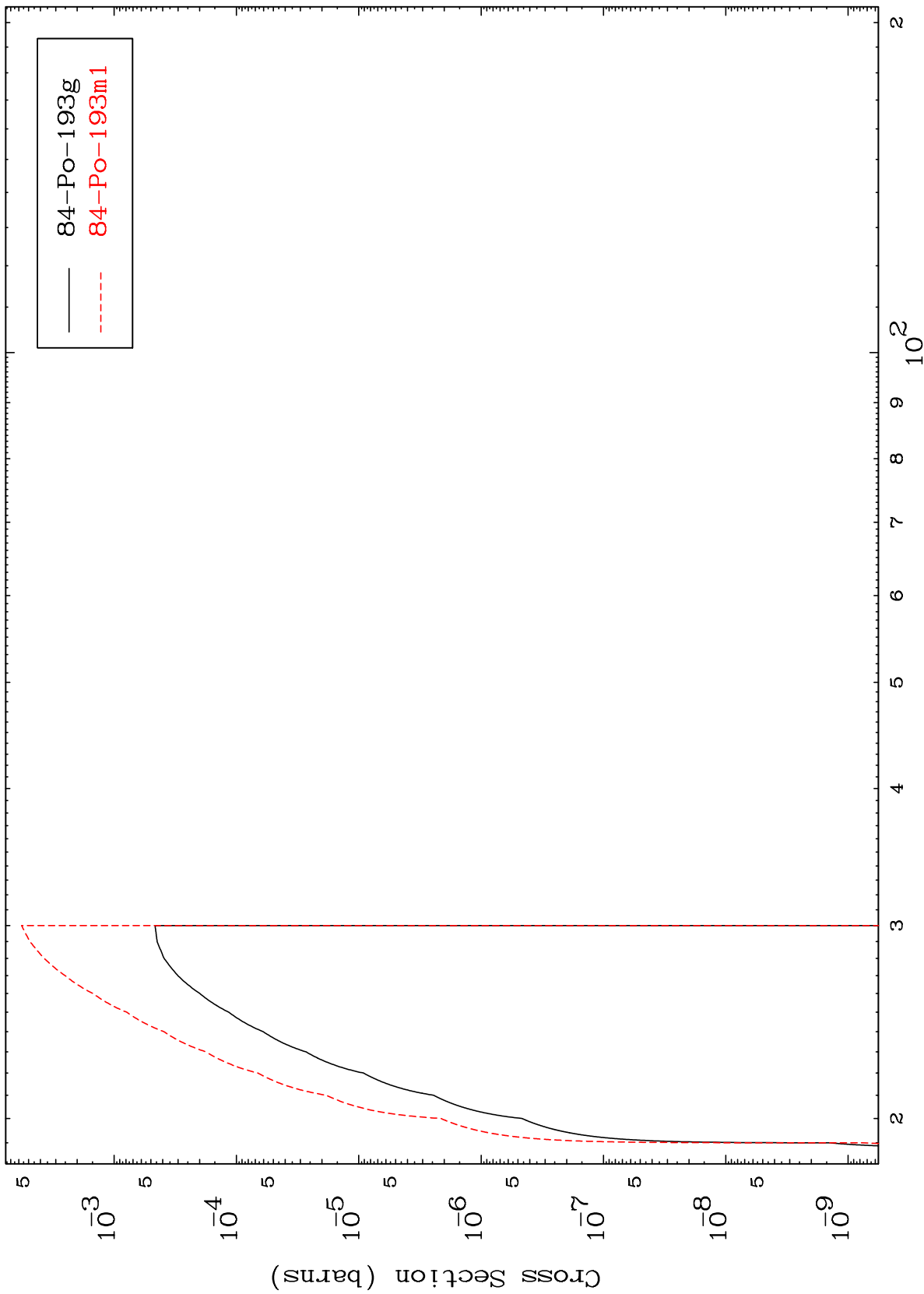
Incident Energy (MeV)

84-Po-195m

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84-Po-195m

(n,3n)
Radionuclide Production Cross Section



84-Po-193g
84-Po-193m1

84-Po-195m

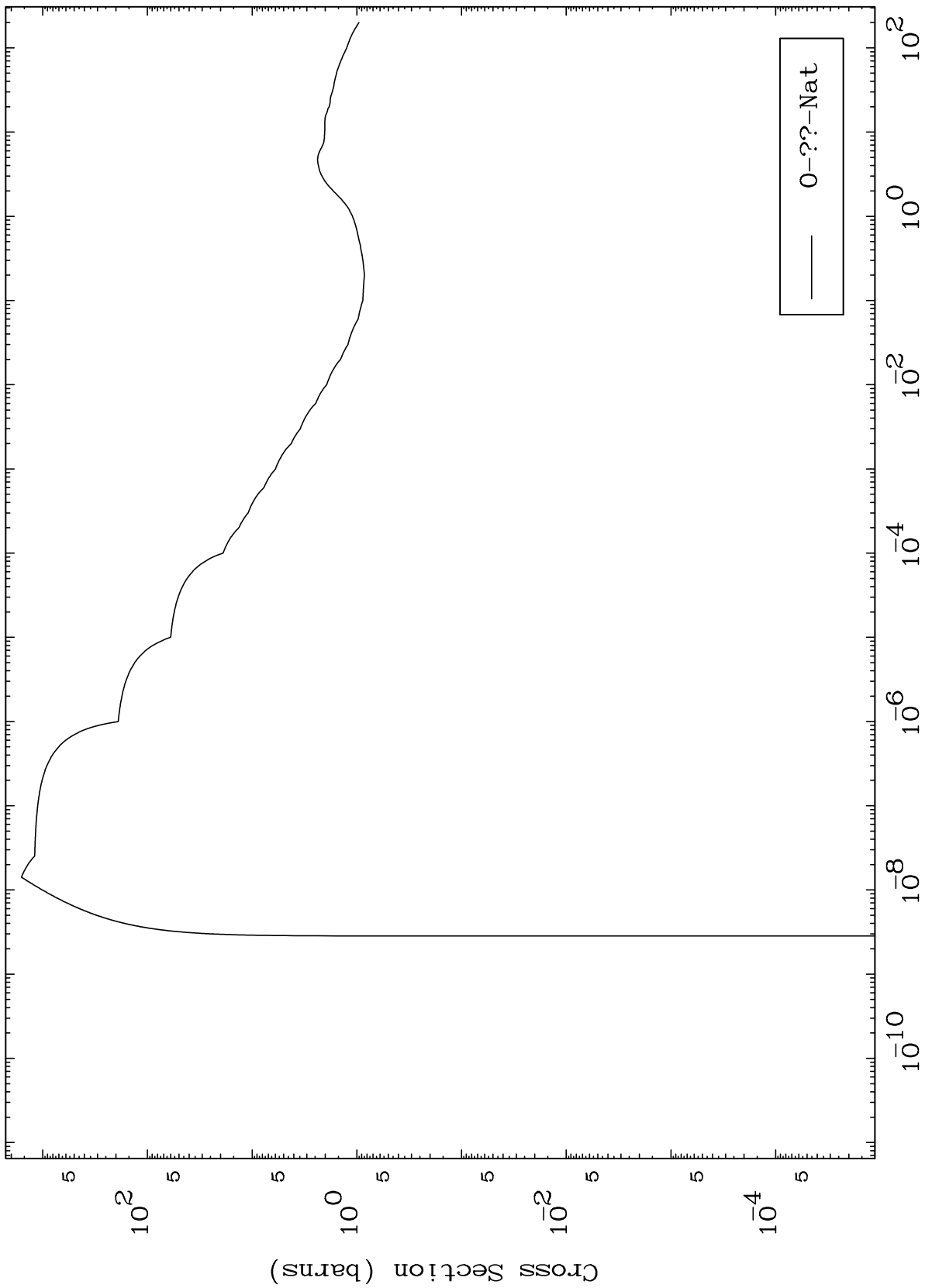
Incident Energy (MeV)

21

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84-Po-195m

Fission
Radionuclide Production Cross Section

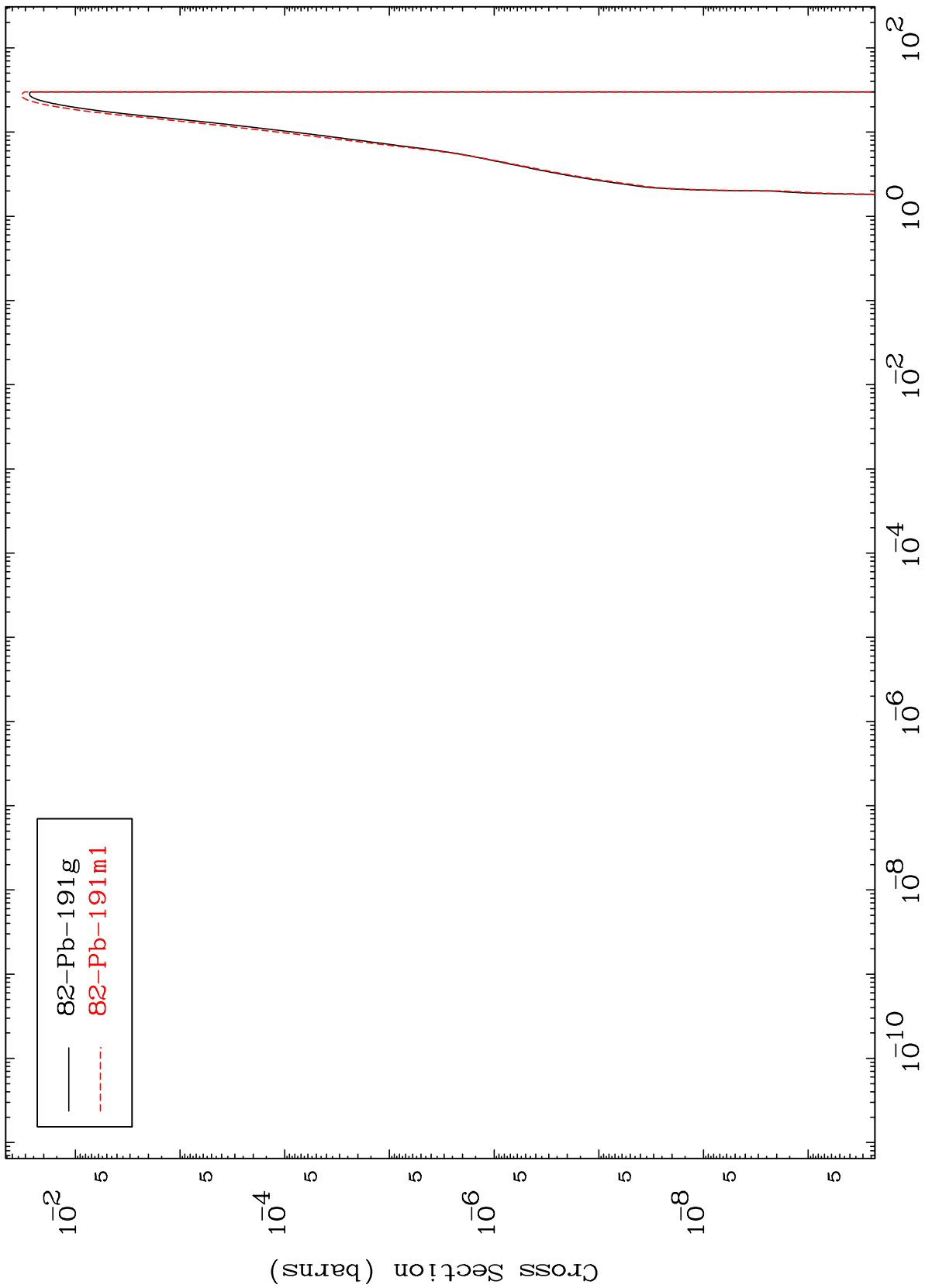


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$(n, n') \alpha$

84-Po-195m

Radionuclide Production Cross Section

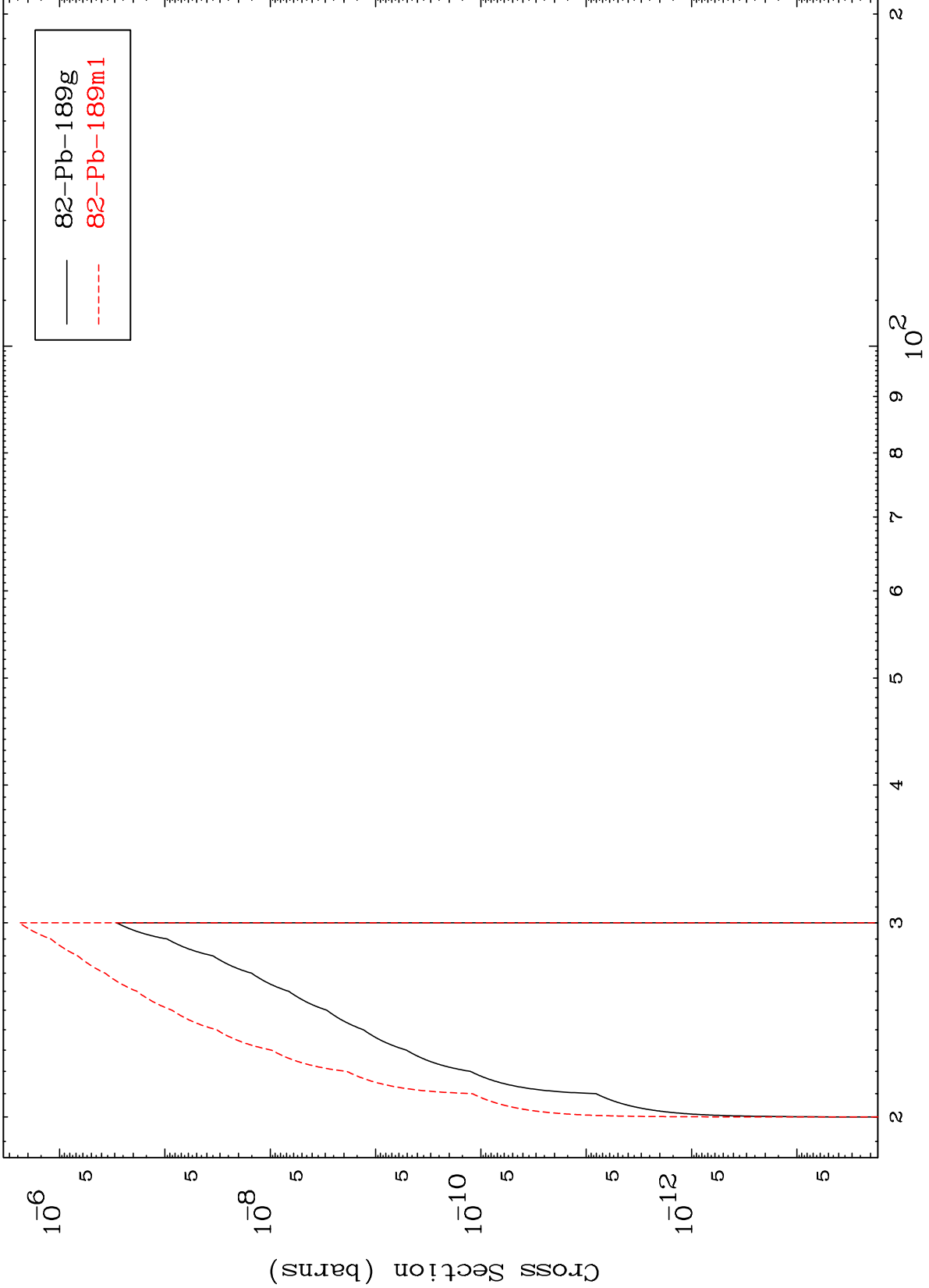


MAT 8393

(n,3n) α

84-Po-195m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

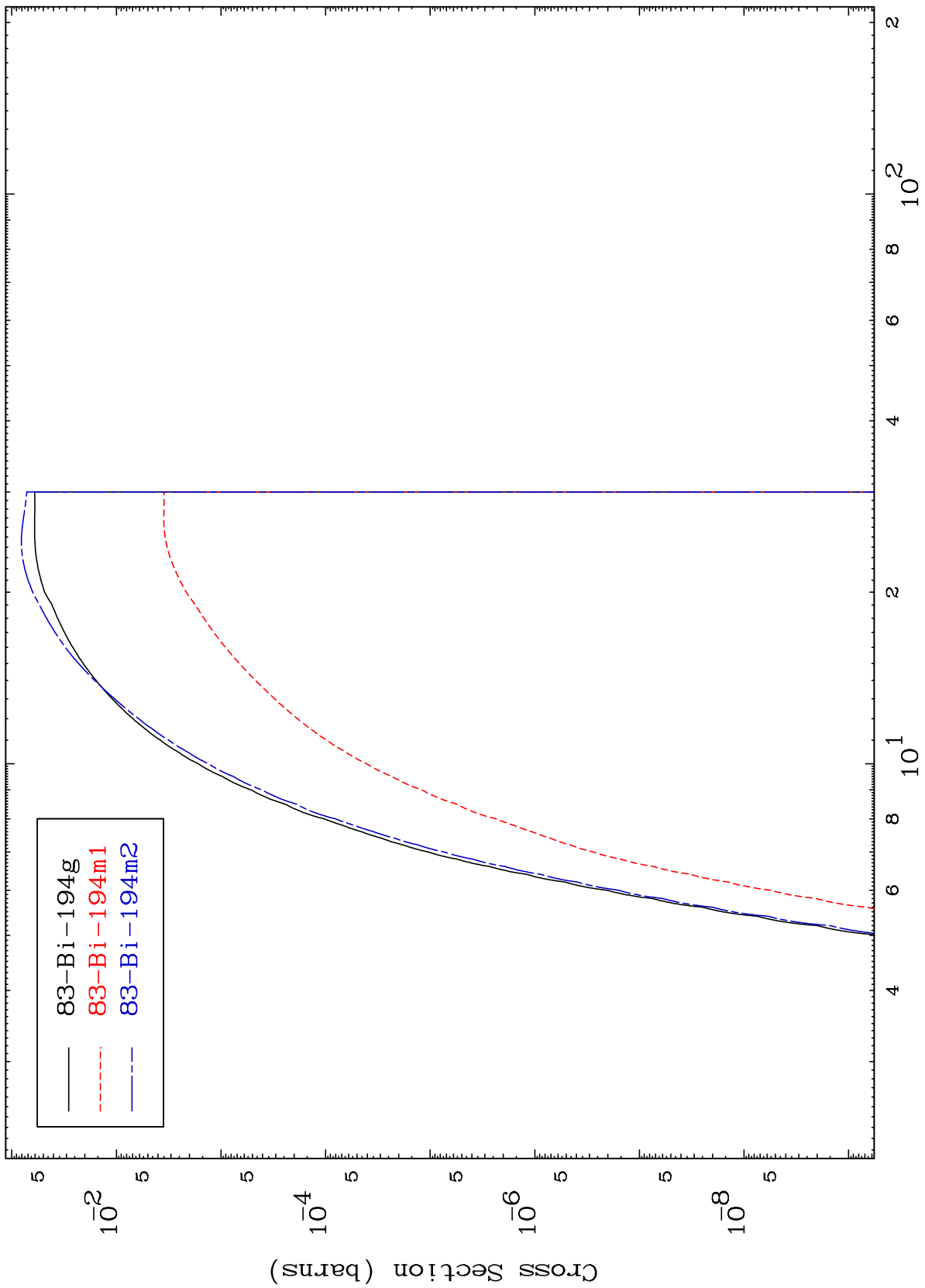
84-Po-195m

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84-Po-195m

(n,n') p

Radionuclide Production Cross Section

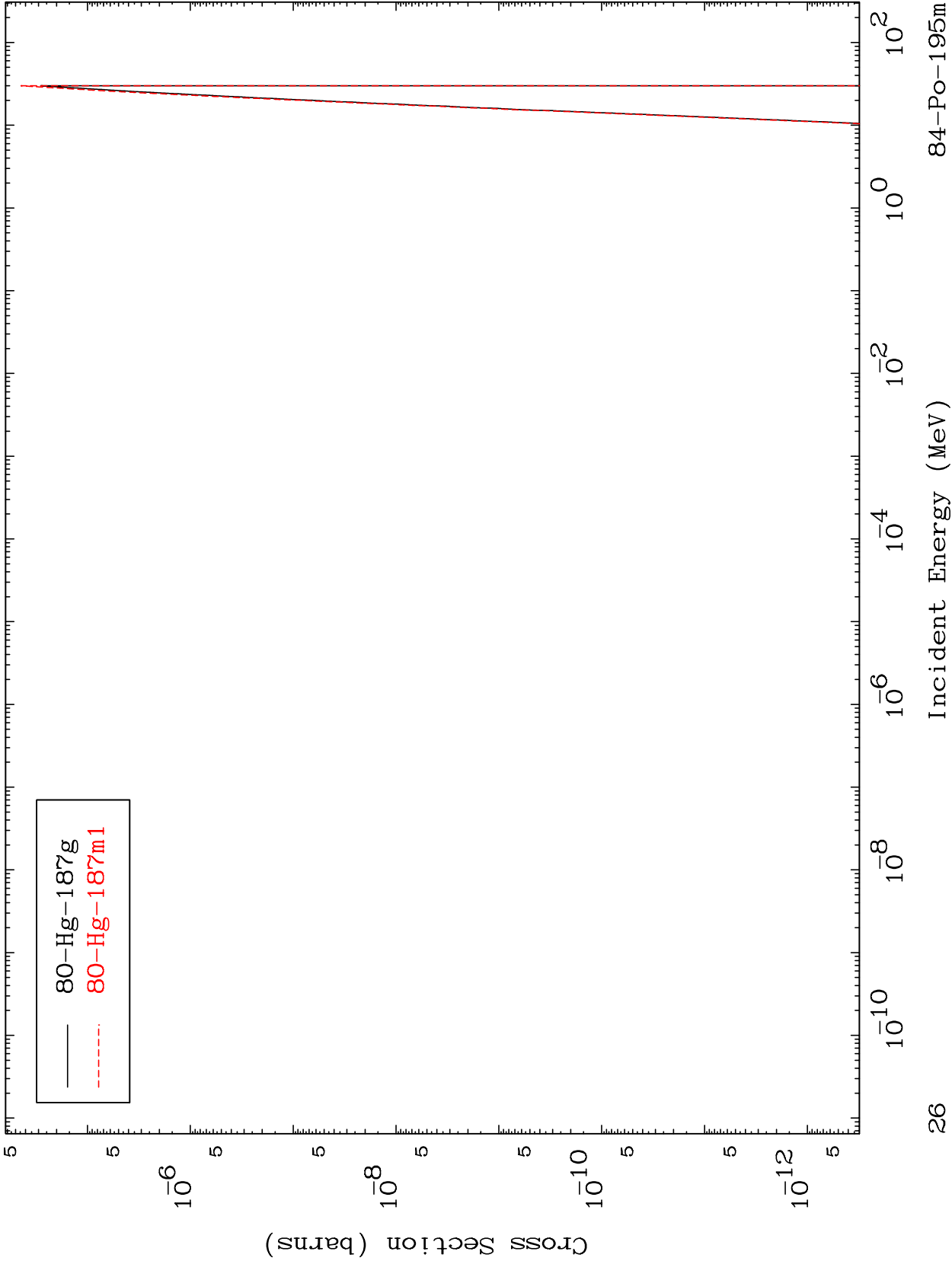


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(n,n') 2α

84-Po-195m

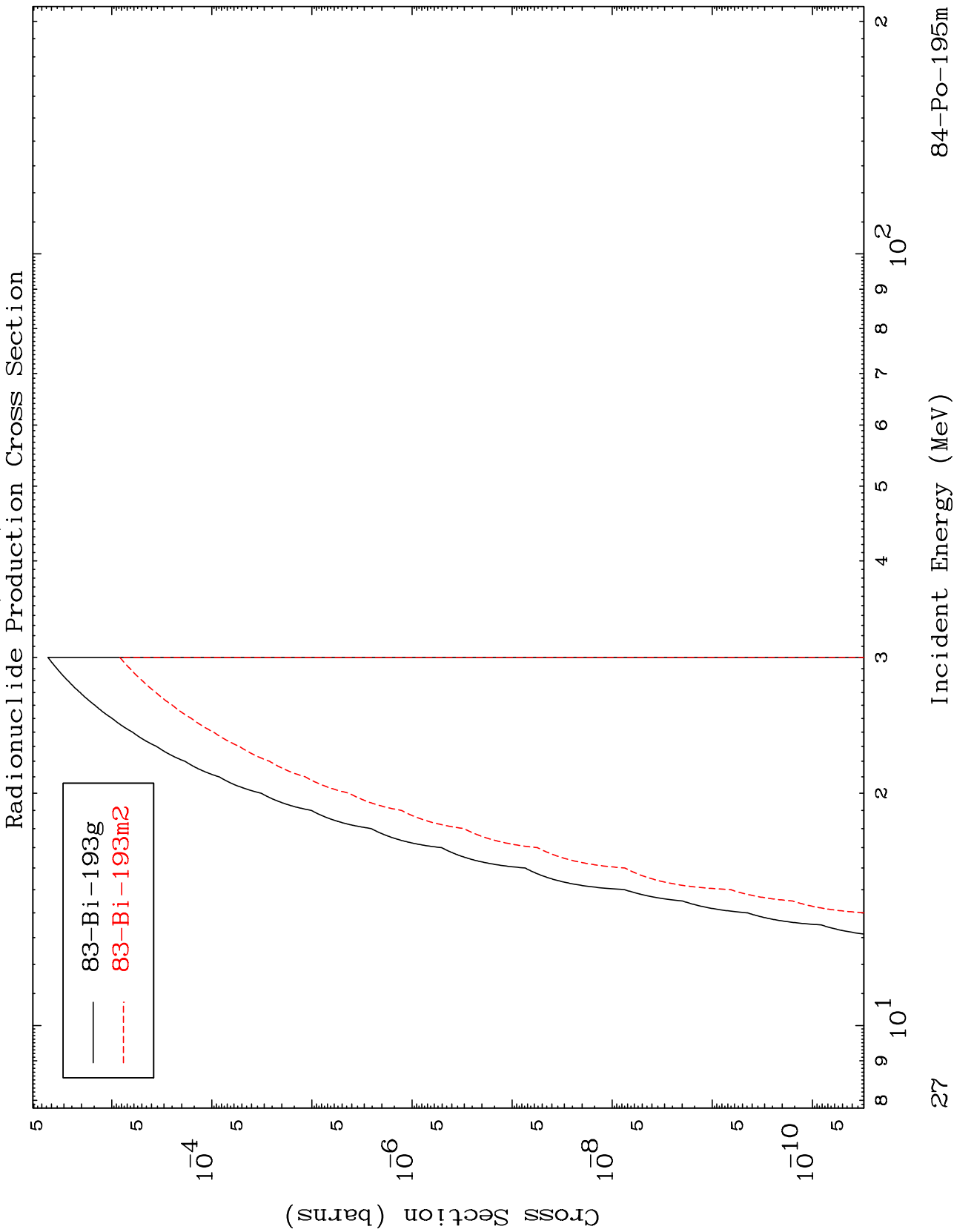
Radionuclide Production Cross Section



MAT 8393

(n,n') d

84-Po-195m



27

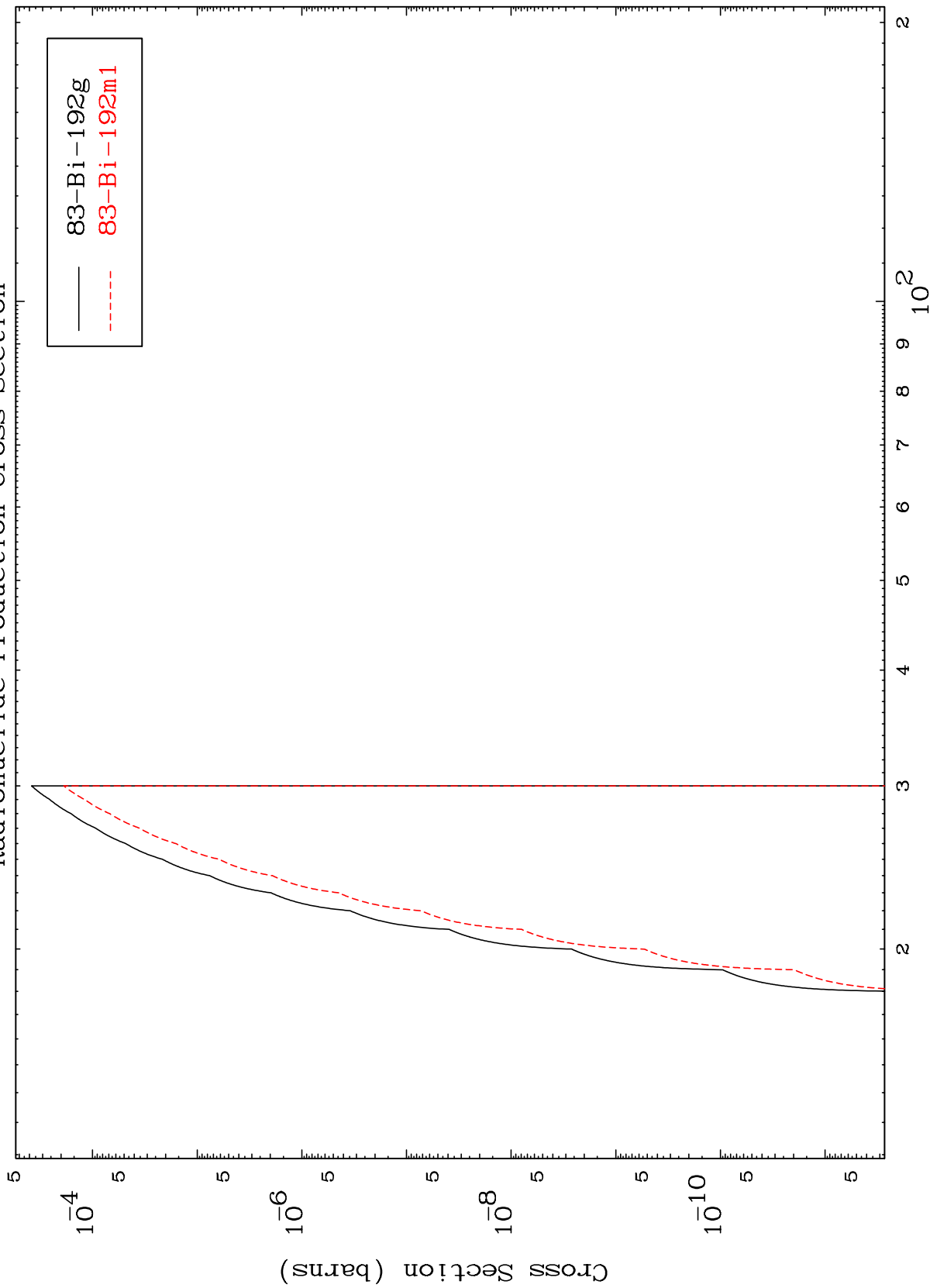
84-Po-195m

MAT 8393

(n,n') t

84-Po-195m

Radionuclide Production Cross Section

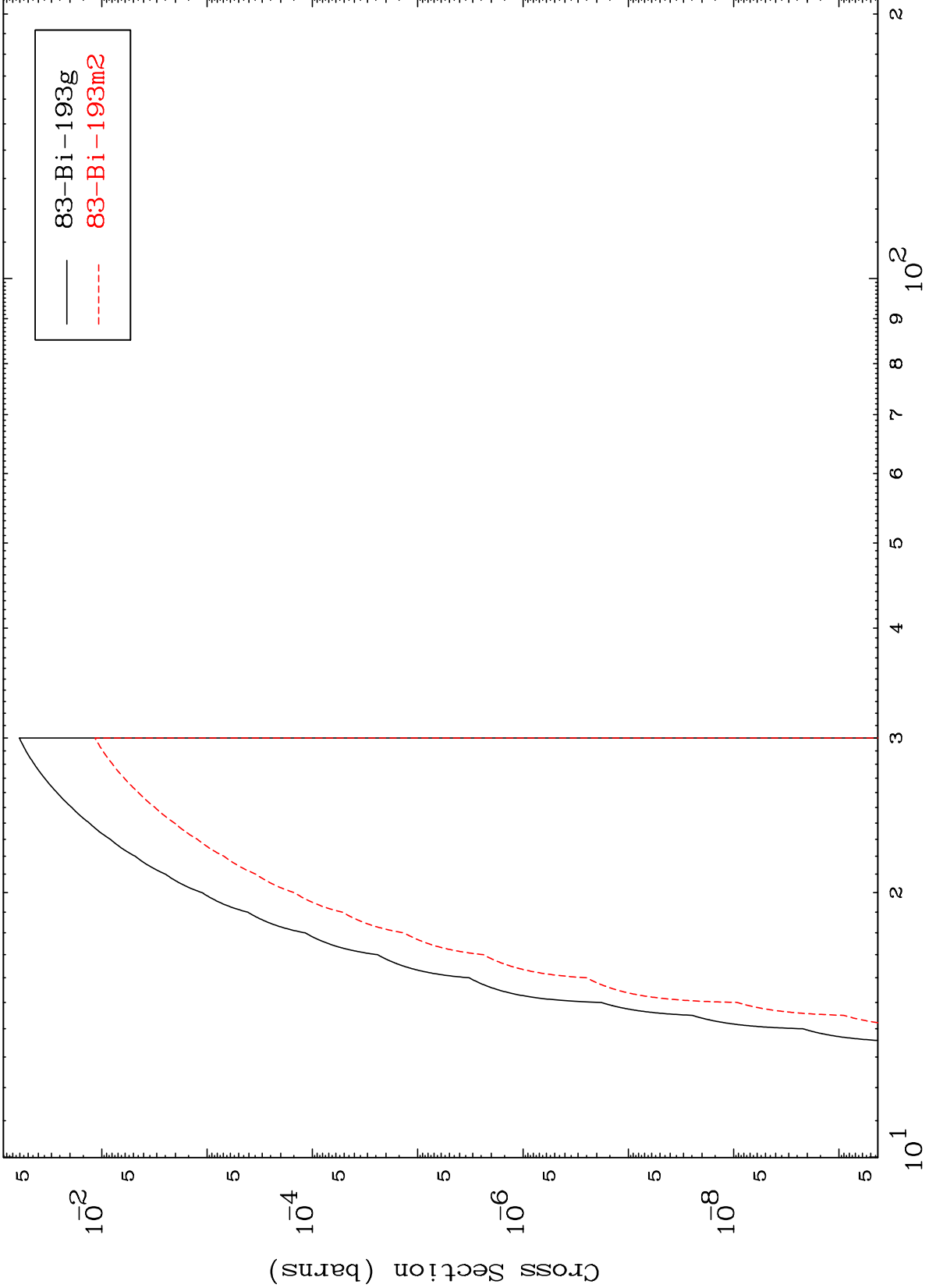


MAT 8393

(n,2n) p

84-Po-195m

Radionuclide Production Cross Section



Incident Energy (MeV)

84-Po-195m

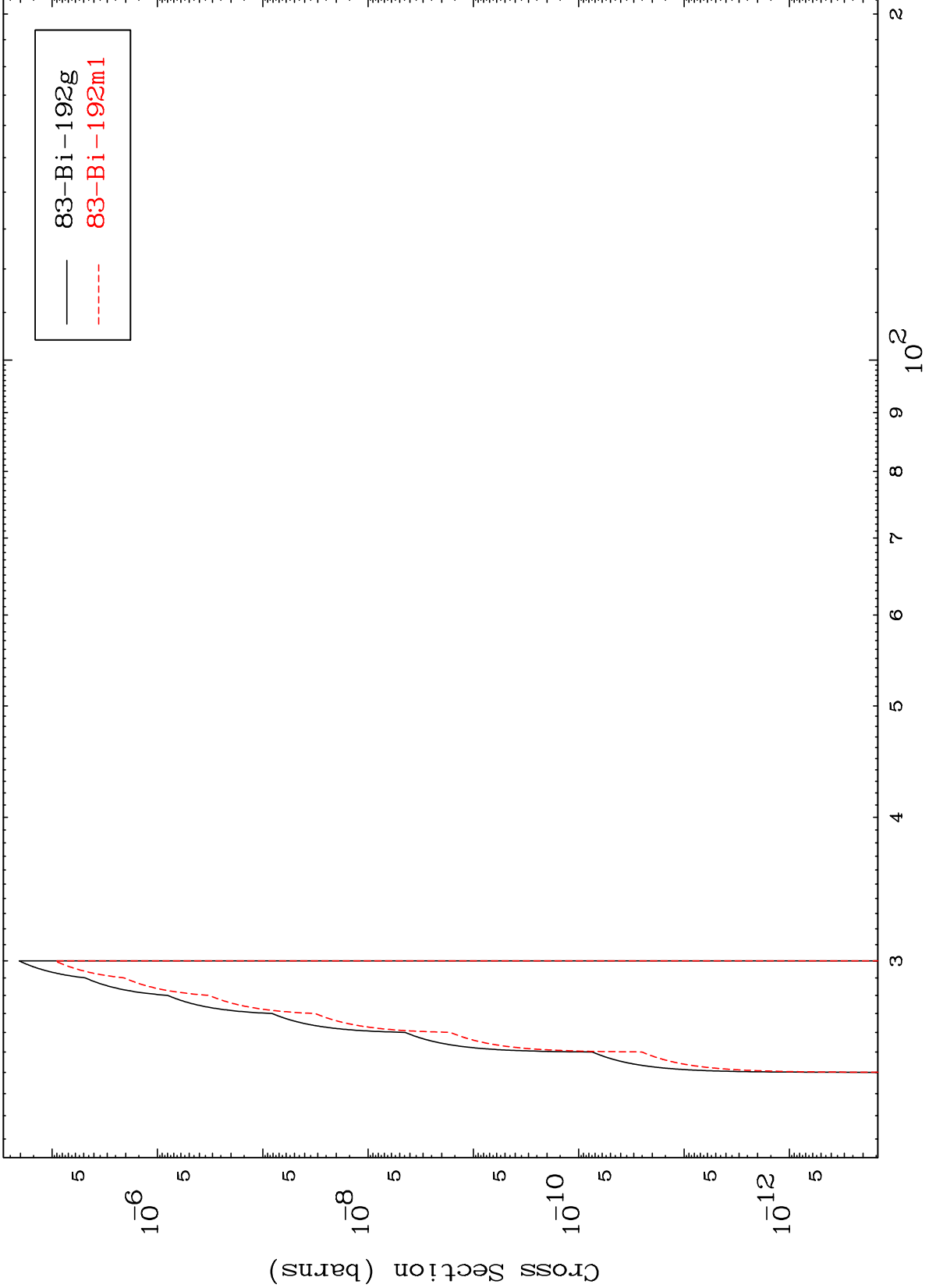
29

MAT 8393

(n,3n) p

84-Po-195m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

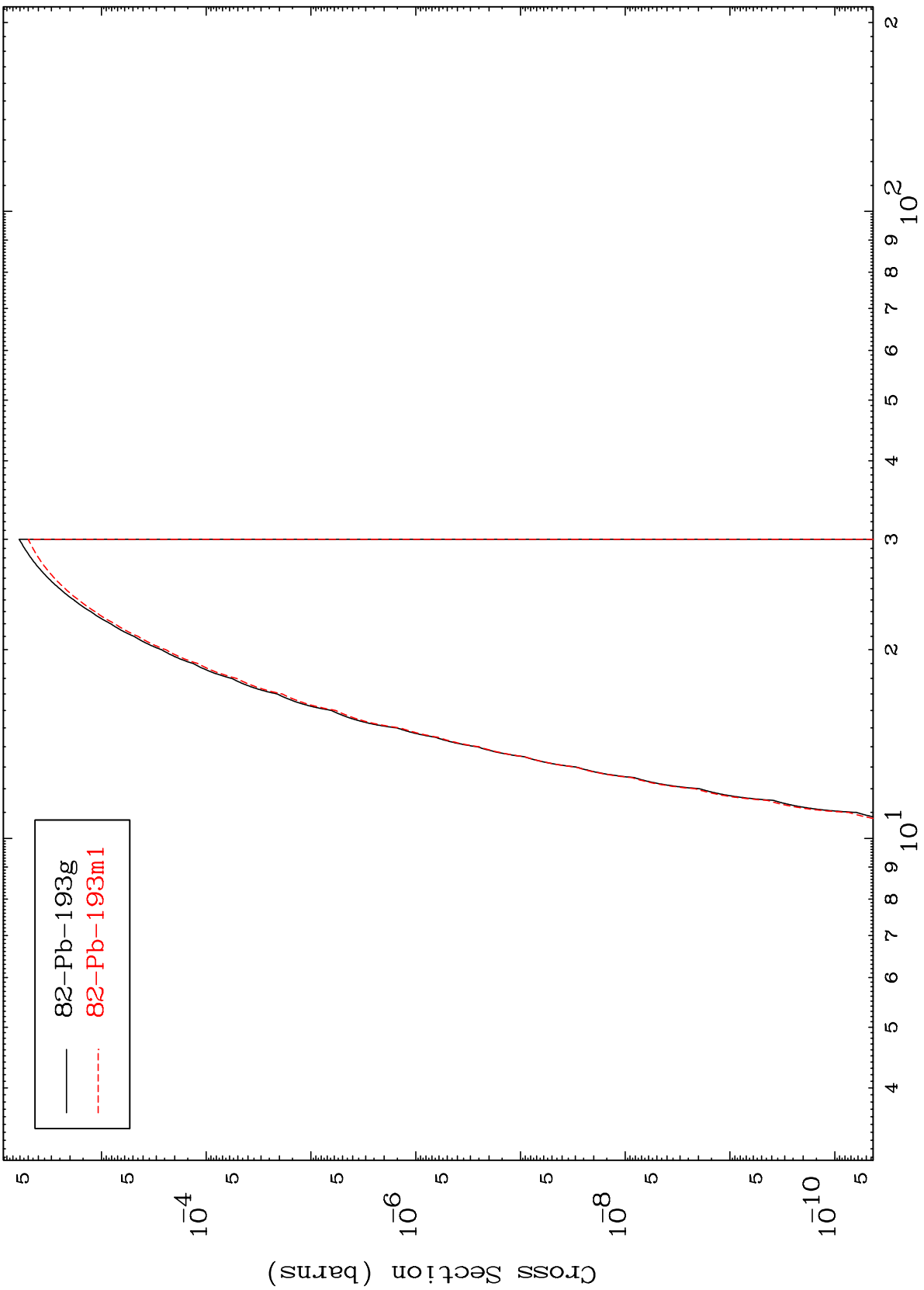
84-Po-195m

MAT 8393

(n,2n) p

84-Po-195m

Radionuclide Production Cross Section

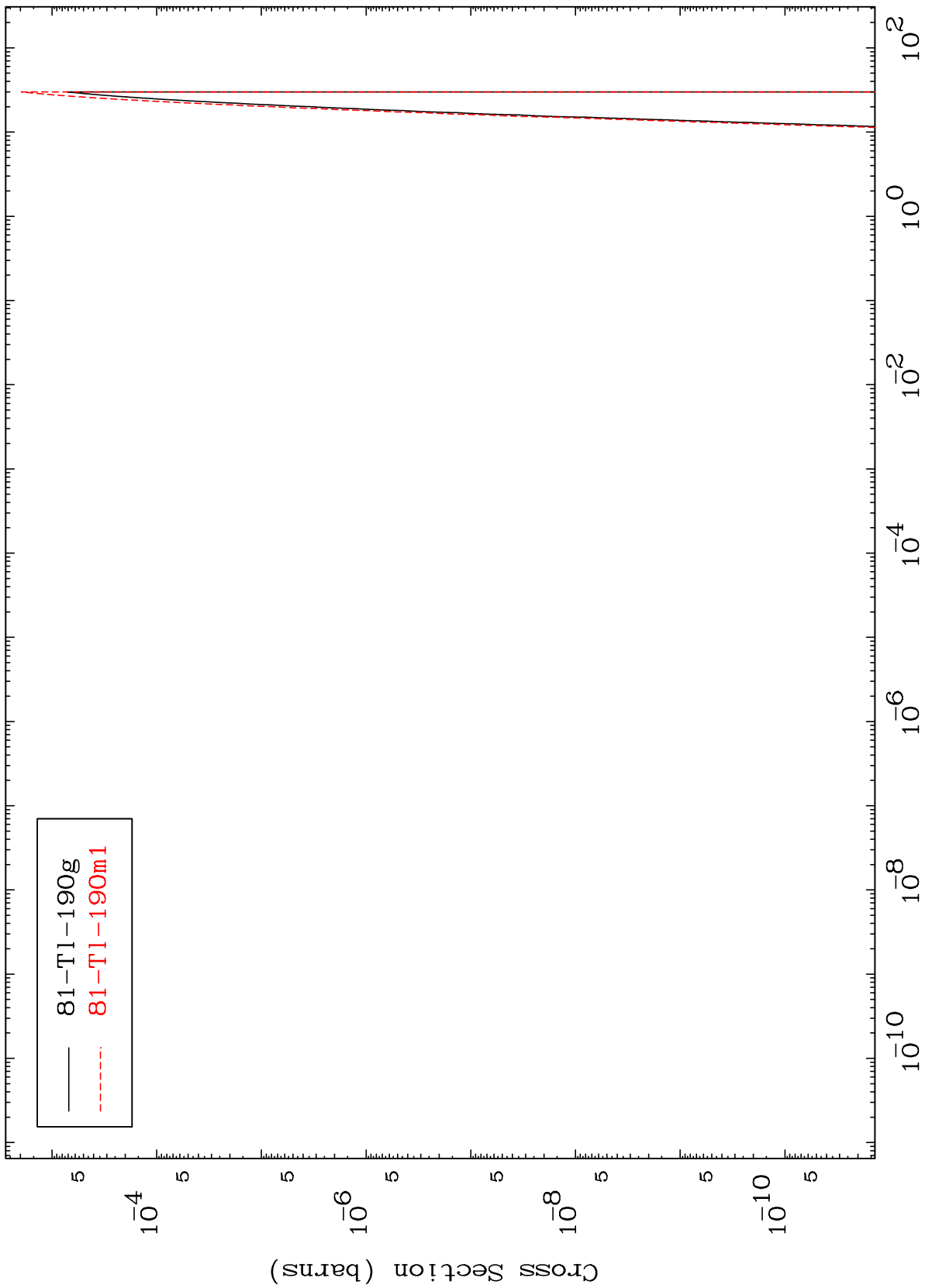


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(n,n') p α

84-Po-195m

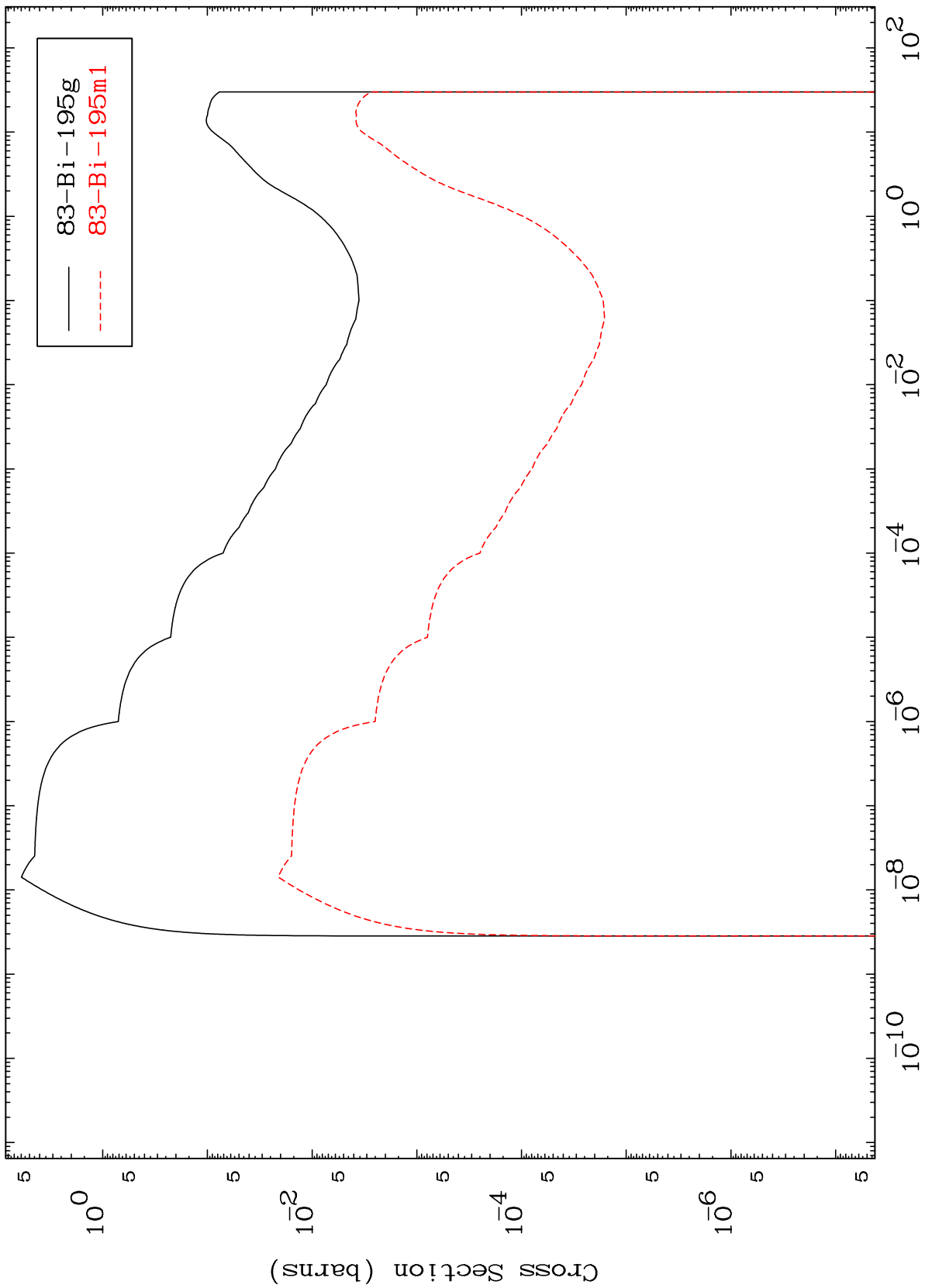
Radionuclide Production Cross Section



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84-Po-195m

(n,p)
Radionuclide Production Cross Section



33

84-Po-195m

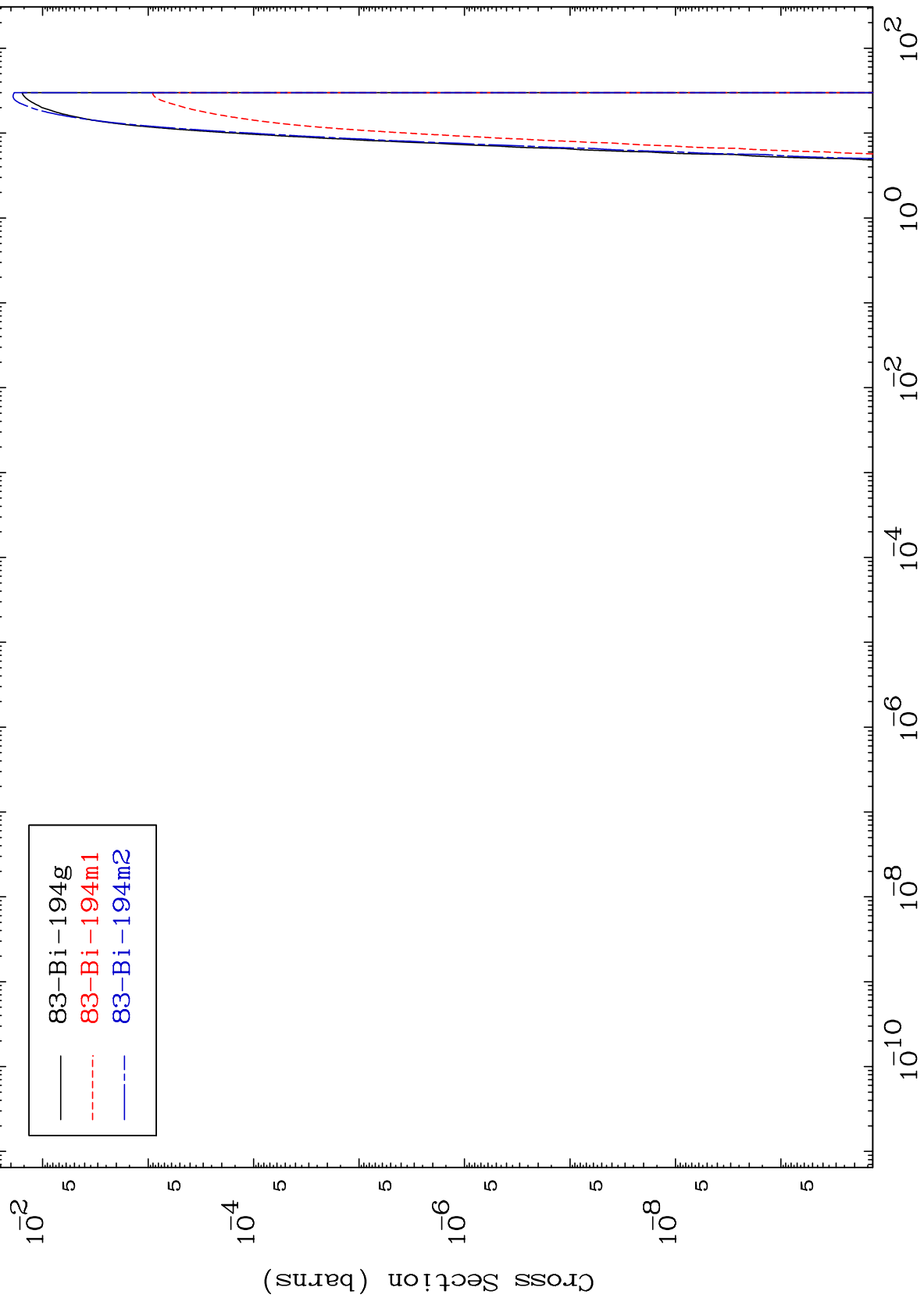
Incident Energy (MeV)

MAT 8393

(n,d)

84-Po-195m

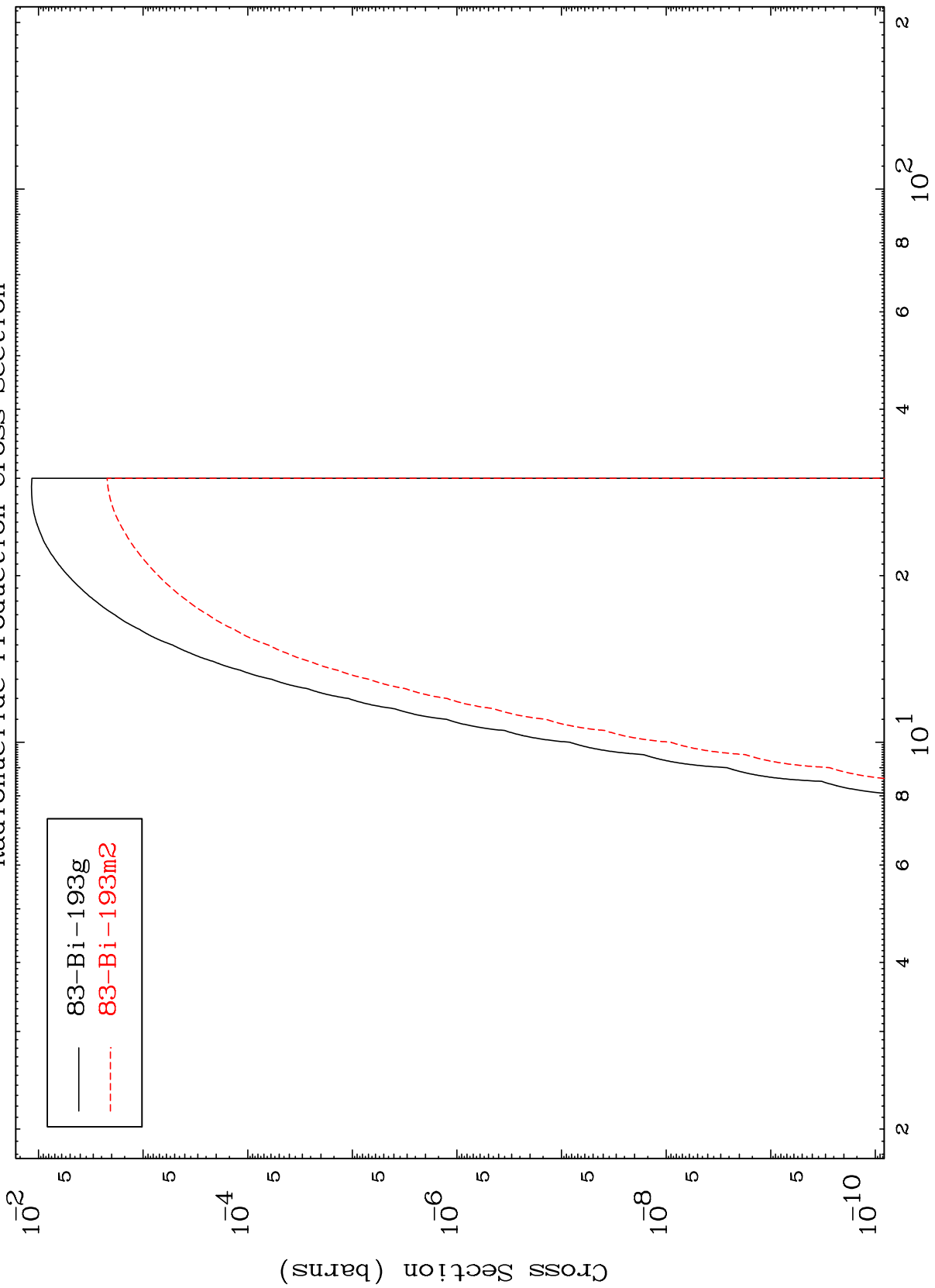
Radionuclide Production Cross Section



MAT 8393

84-Po-195m

(n,t)
Radionuclide Production Cross Section



— 83-Bi-193g
- - - 83-Bi-193m2

84-Po-195m

Incident Energy (MeV)

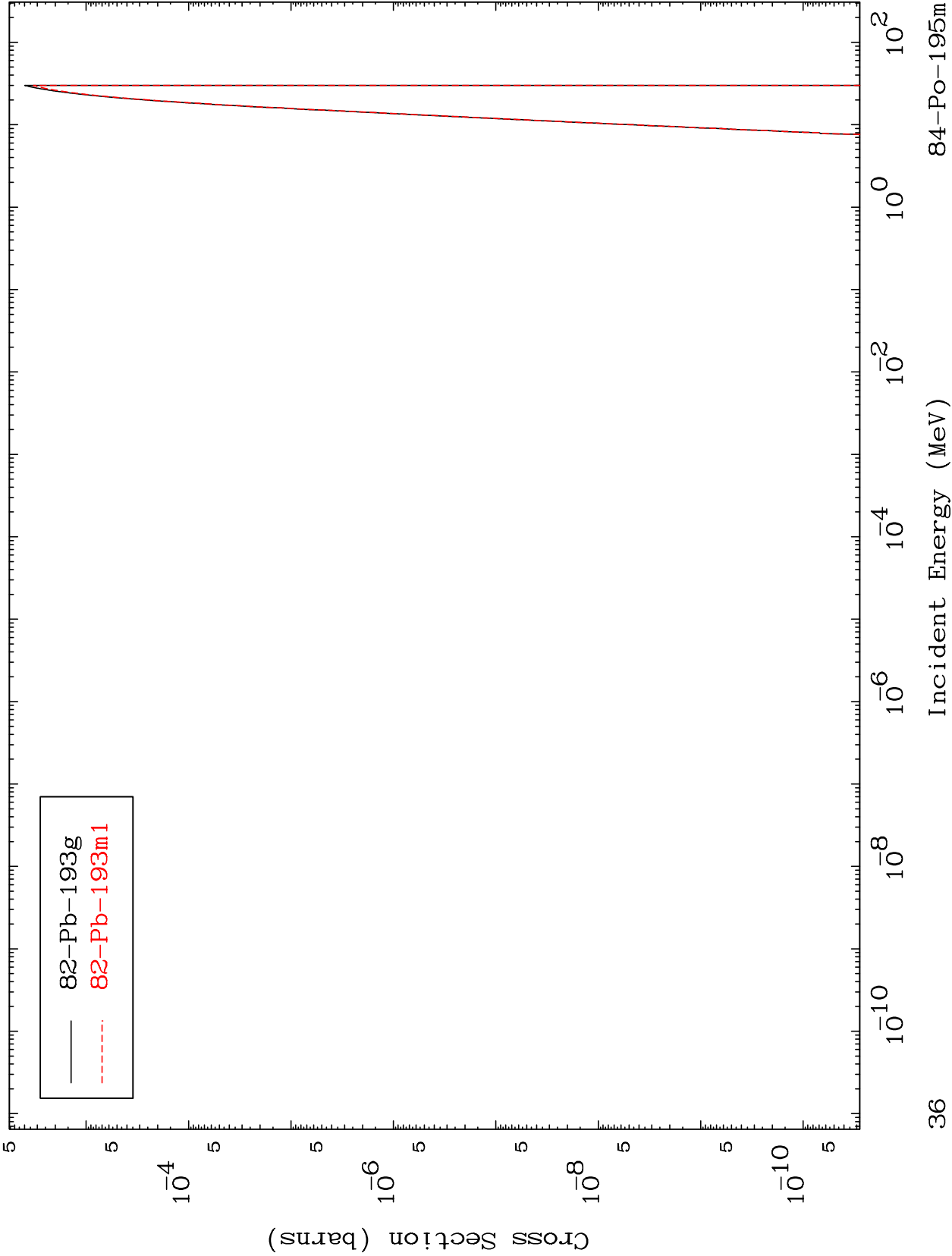
35

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(n,He-3)

84-Po-195m

Radionuclide Production Cross Section



36

Incident Energy (MeV)

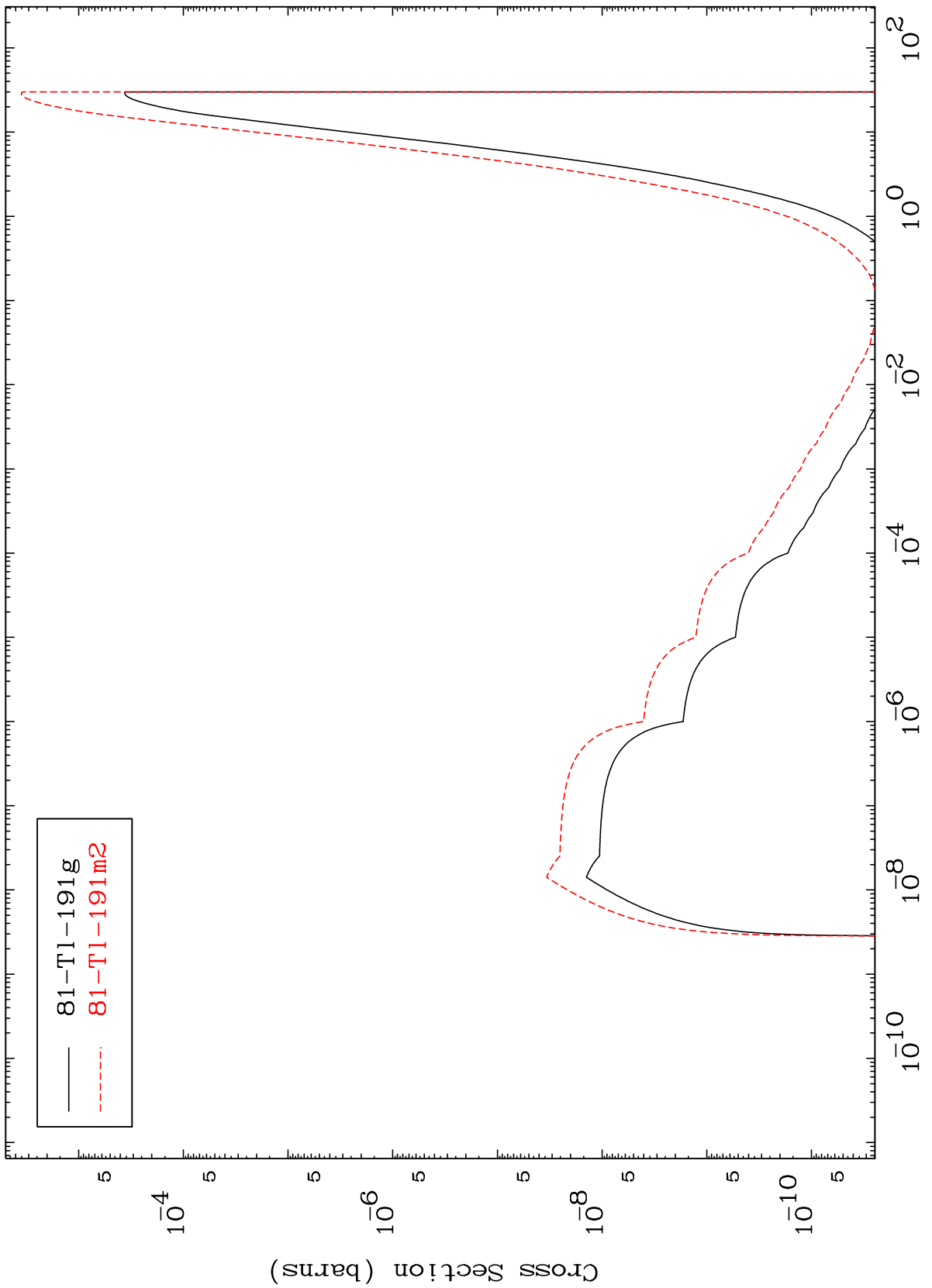
84-Po-195m

MAT 8393

(n,p) α

84-Po-195m

Radionuclide Production Cross Section

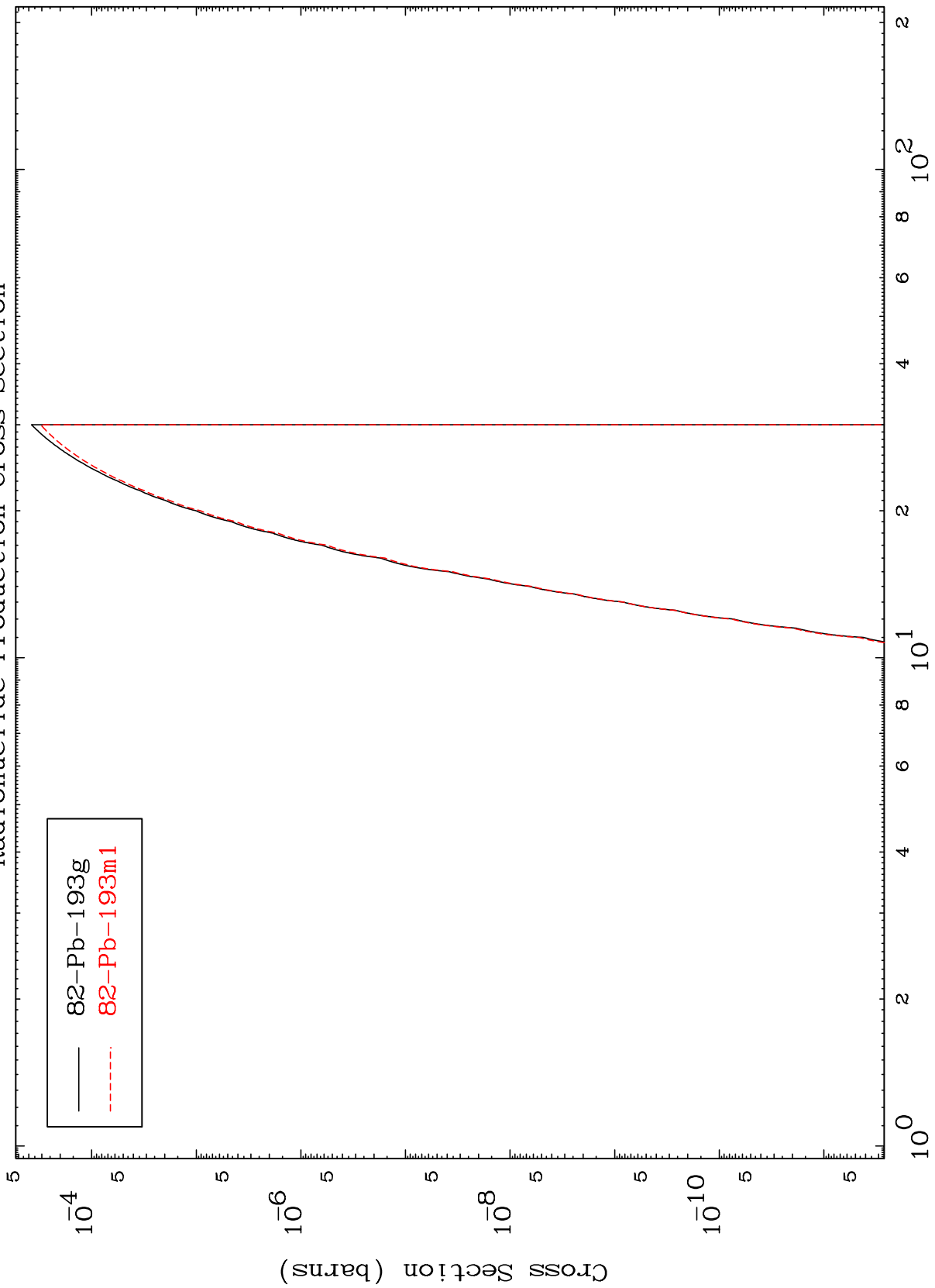


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(n,p) d

84-Po-195m

Radionuclide Production Cross Section



Incident Energy (MeV)

84-Po-195m

38

MAT 8393

(n,d) α

84-Po-195m

Radionuclide Production Cross Section

