

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

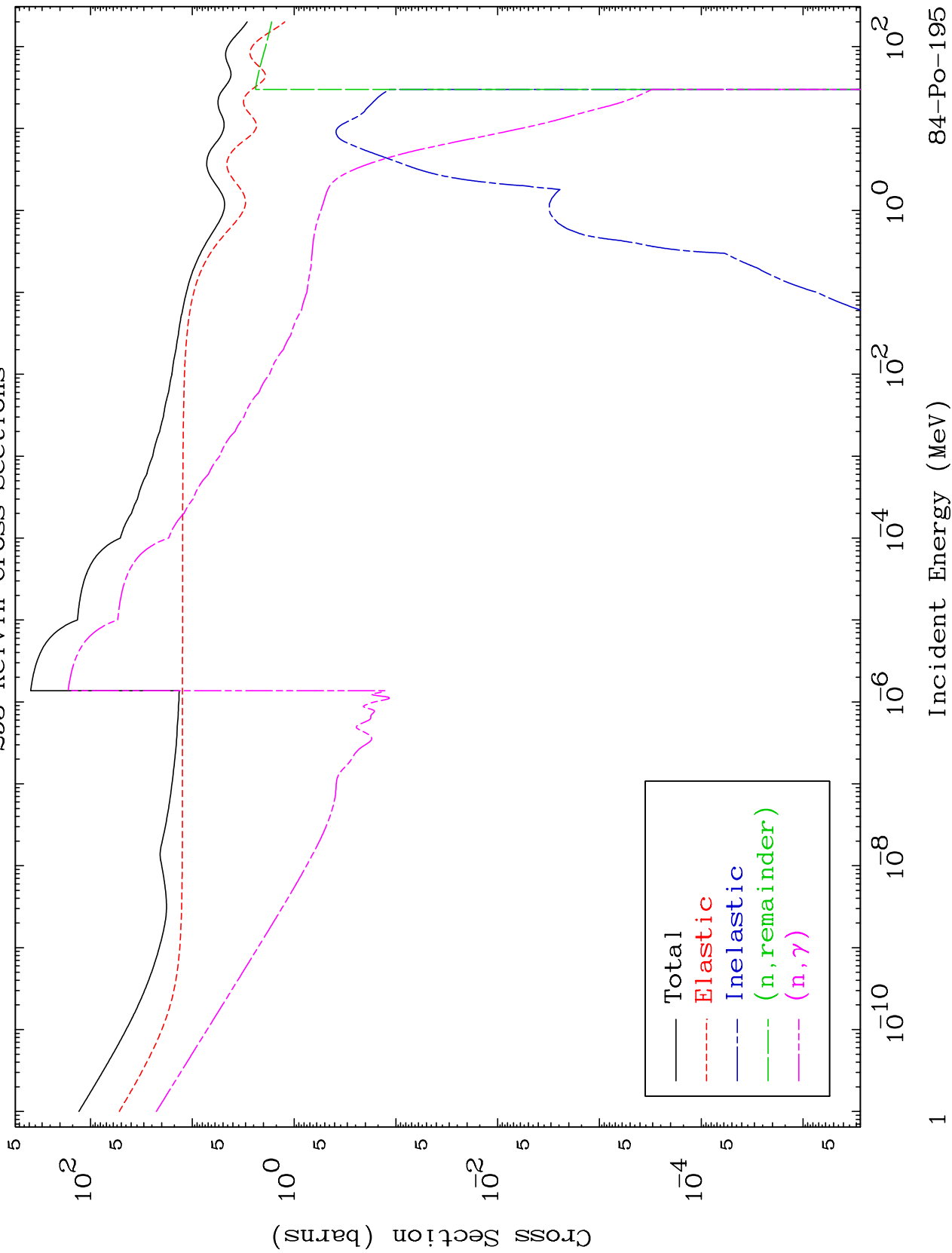
Press Mouse Button to Start

MAT 8393

Major

293 Kelvin Cross Sections

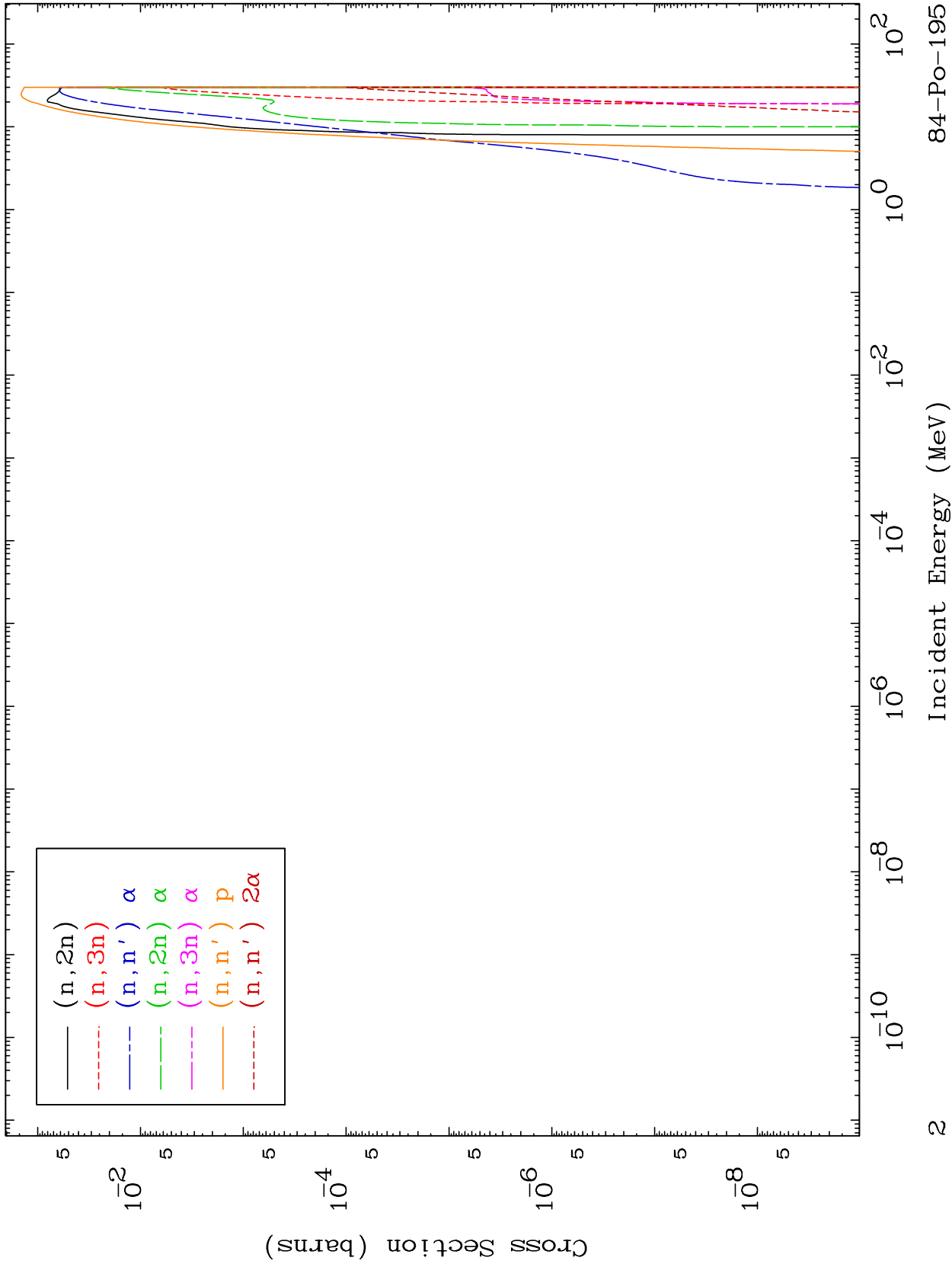
84-Po-195



MAT 8393

Neutron Production
293 Kelvin Cross Sections

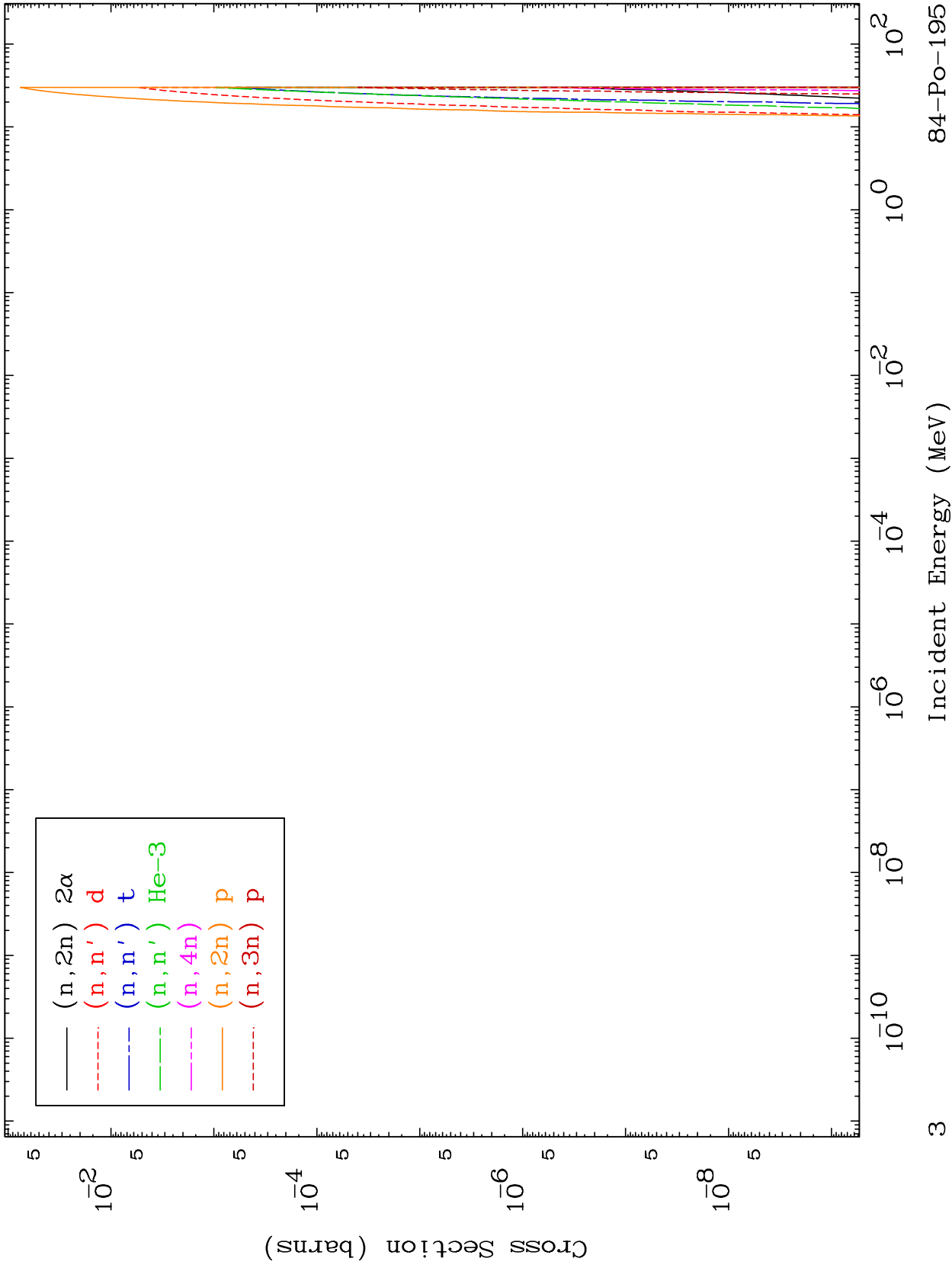
84-Po-195



MAT 8393

Neutron Production
293 Kelvin Cross Sections

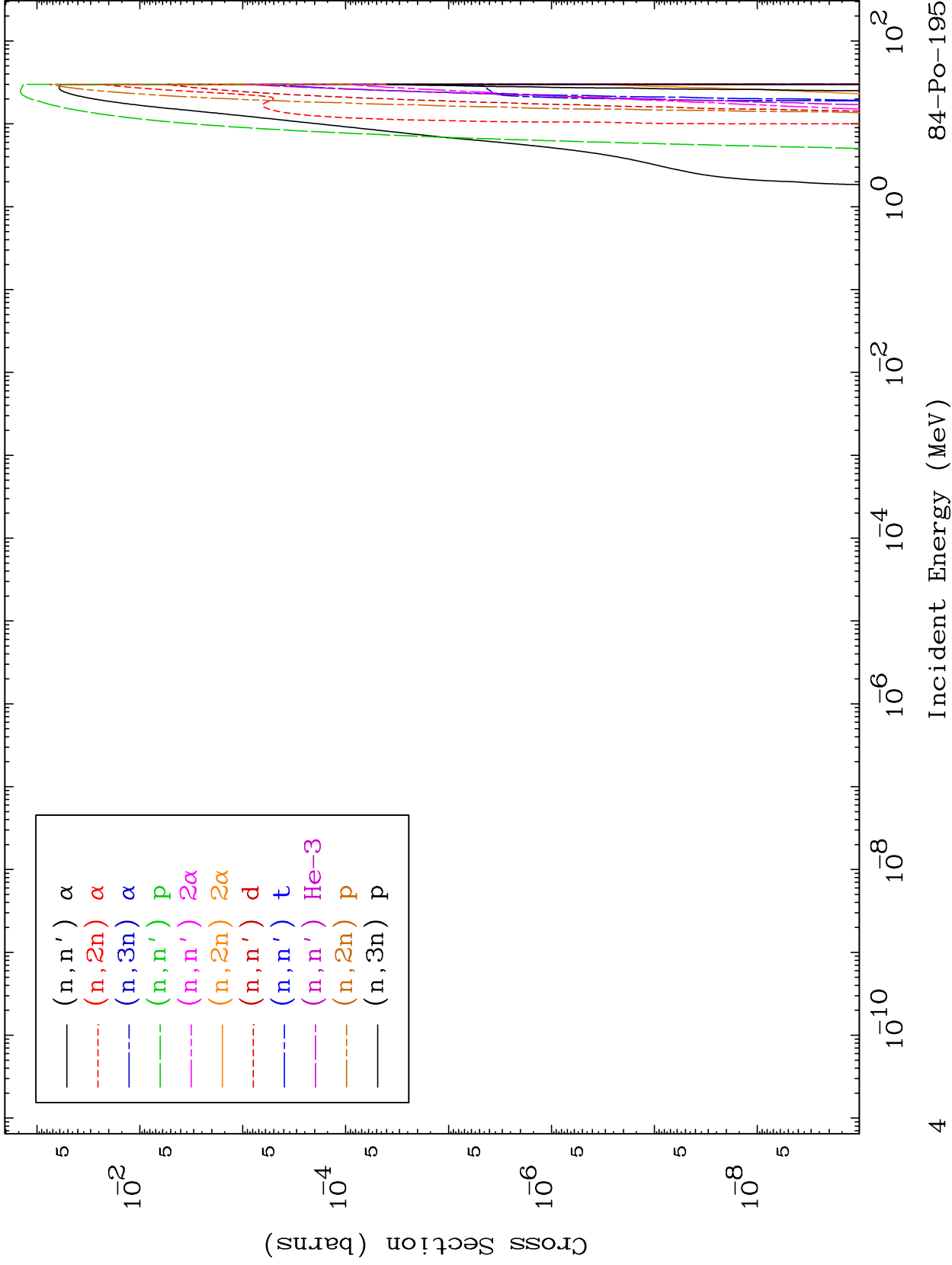
84-Po-195



MAT 8393

Charged Particle
293 Kelvin Cross Sections

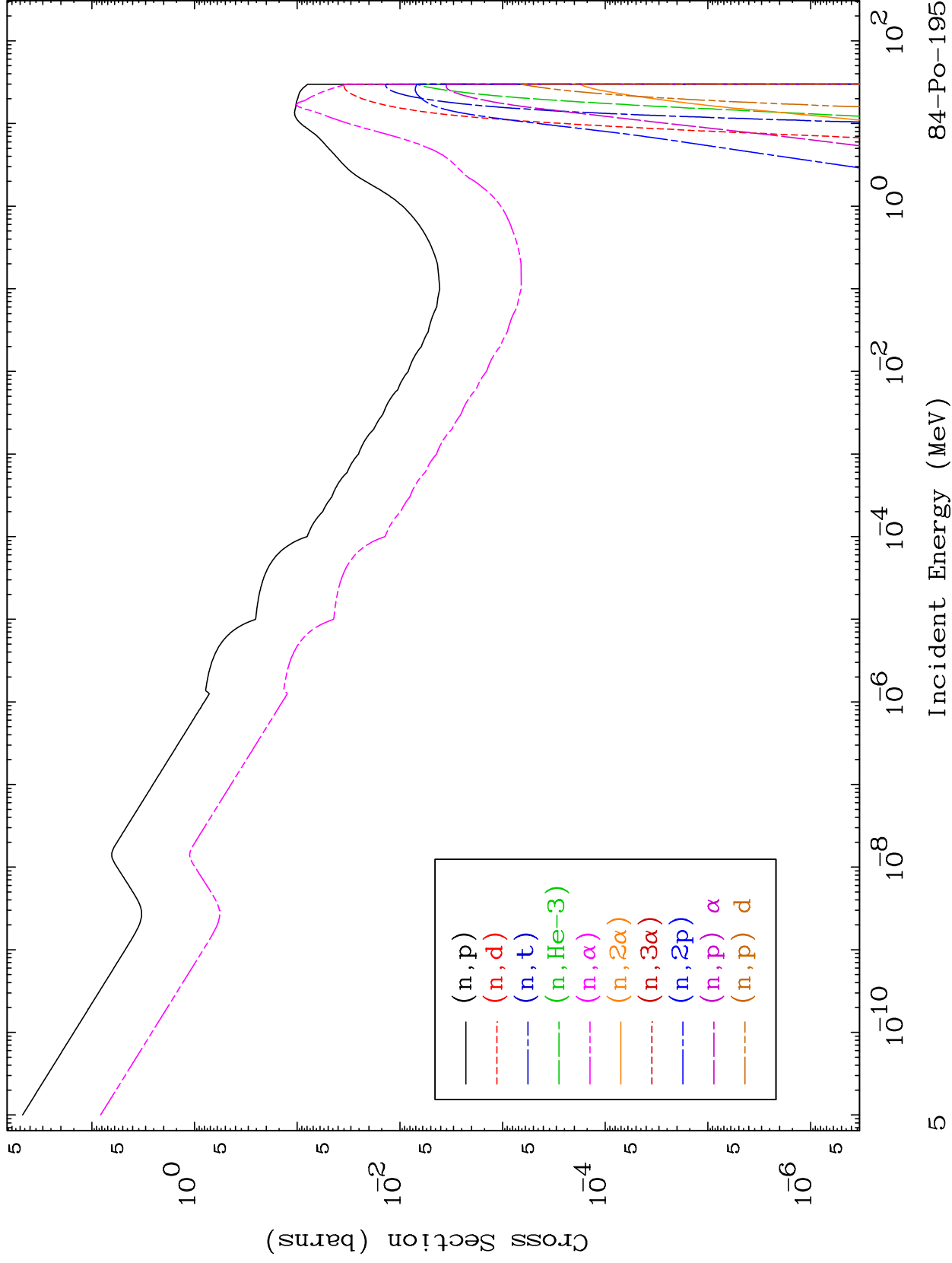
84-Po-195



MAT 8393

Charged Particle
293 Kelvin Cross Sections

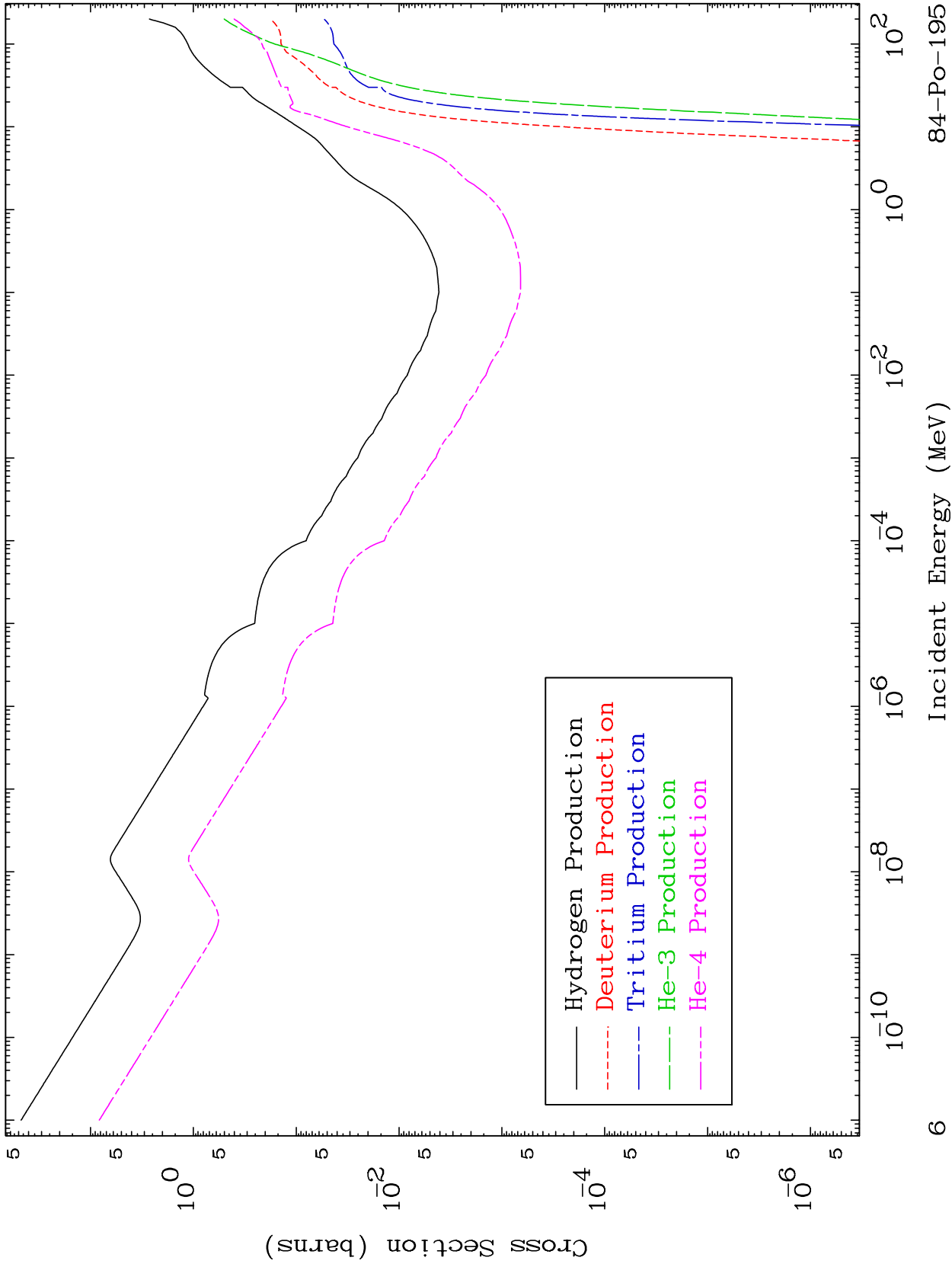
84-Po-195



MAT 8393

Particle Production
293 Kelvin Cross Sections

84-Po-195

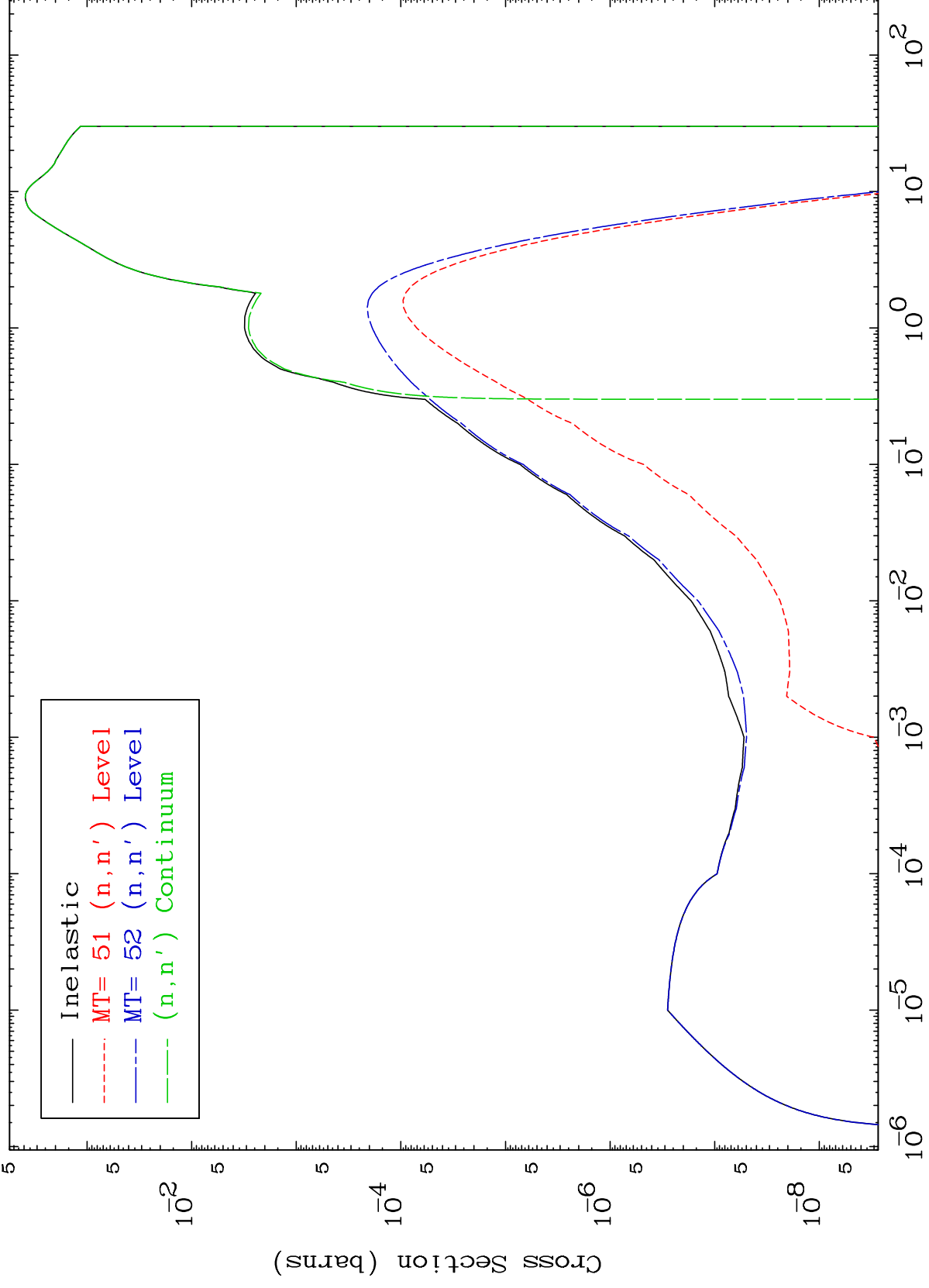


MAT 8393

(n,n') Level

84-Po-195

293 Kelvin Cross Sections

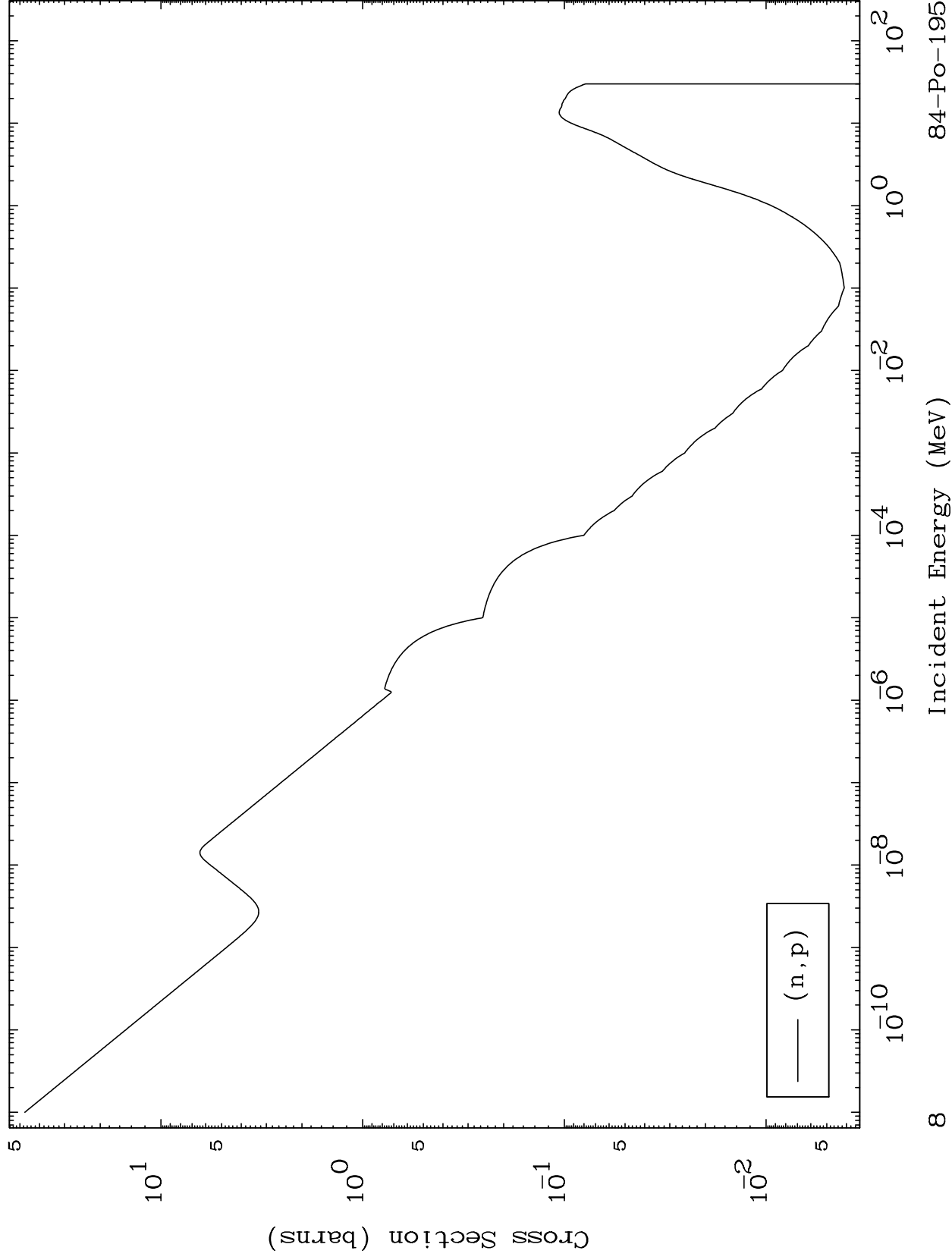


Legend:
— Inelastic
- - - MT= 51 (n,n') Level
- . - MT= 52 (n,n') Level
... (n,n') Continuum

MAT 8393

(n,p) Levels
293 Kelvin Cross Sections

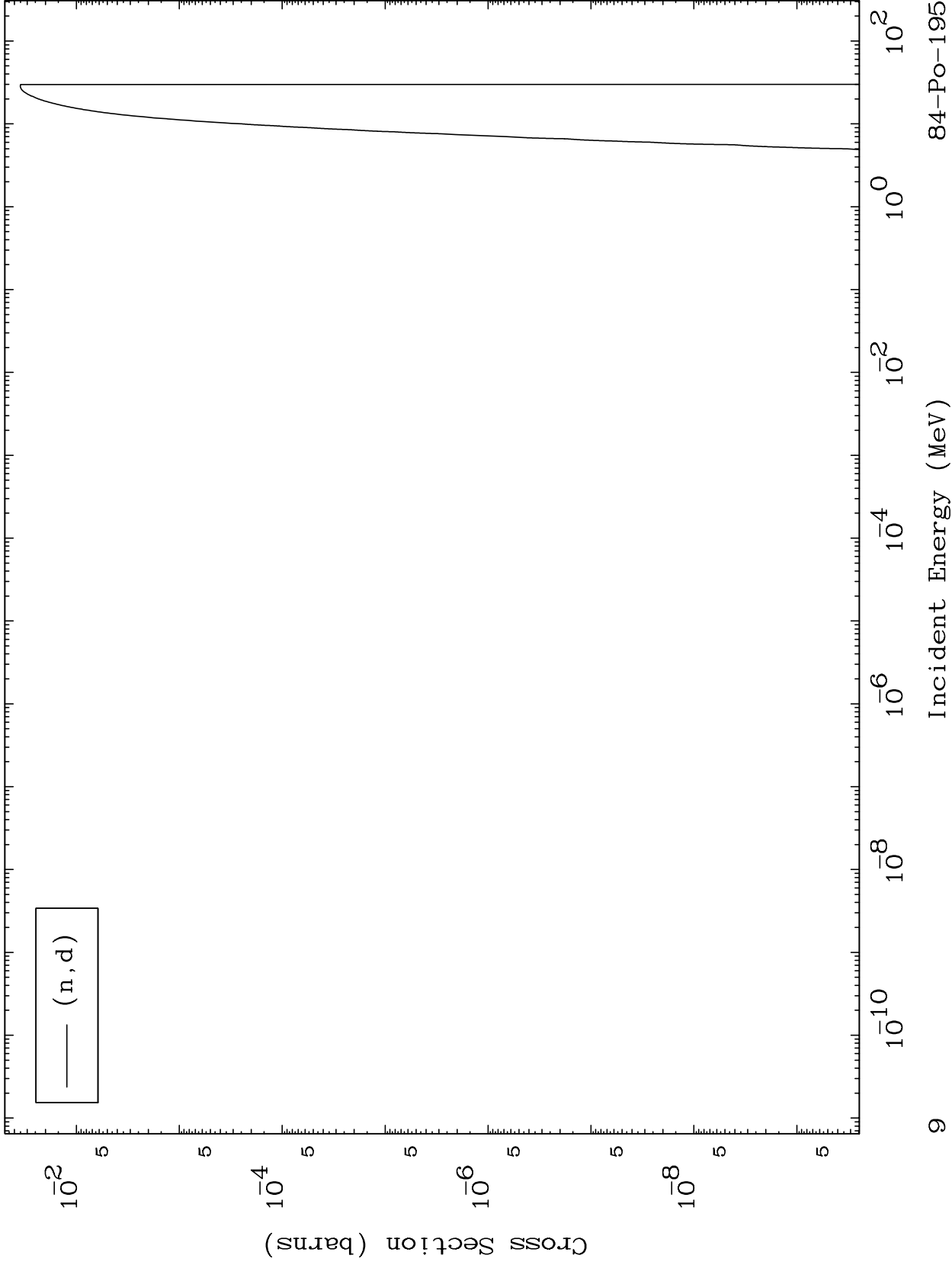
84-Po-195



MAT 8393

(n,d) Levels
293 Kelvin Cross Sections

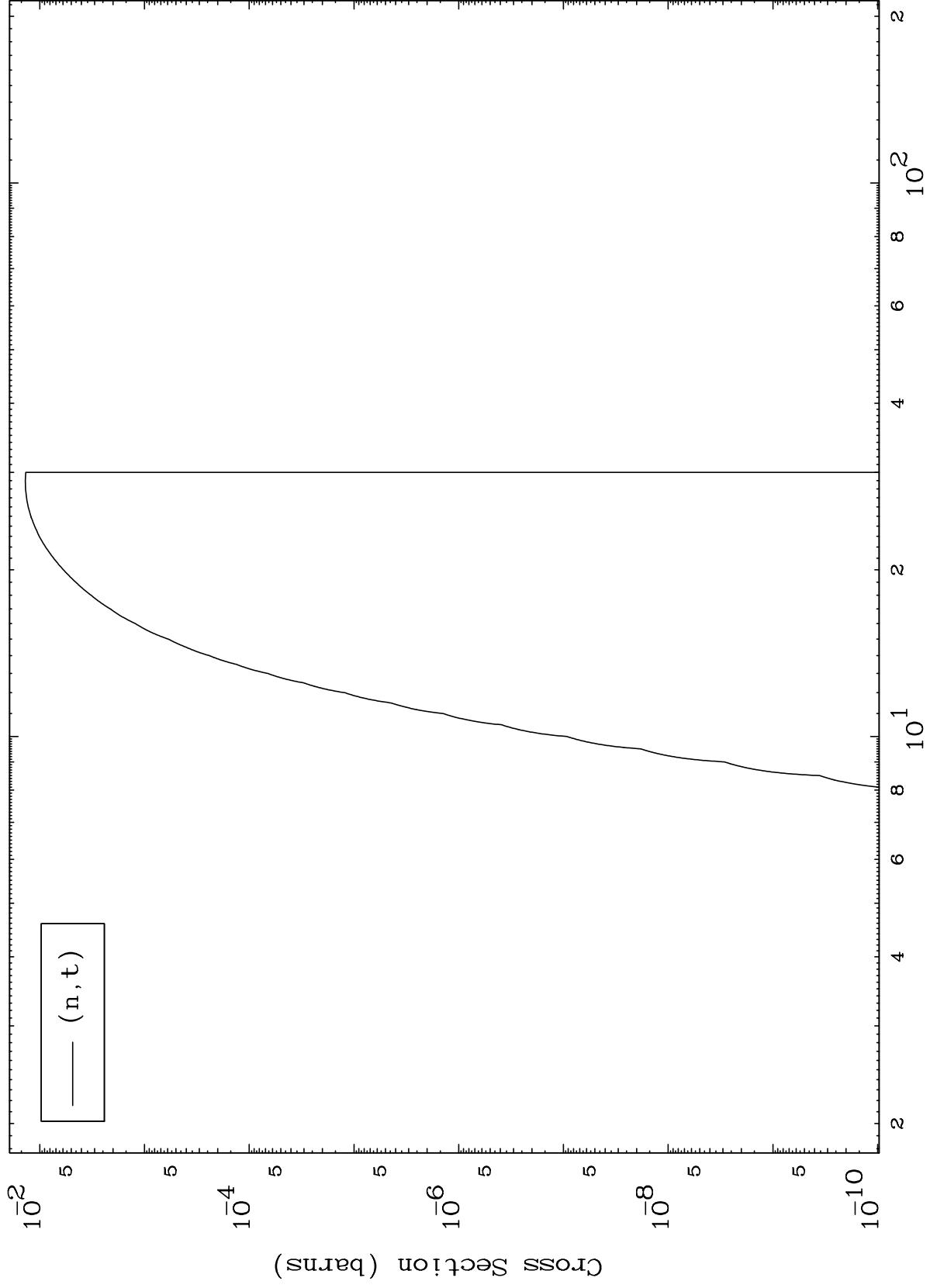
84-Po-195



MAT 8393

(n,t) Levels
293 Kelvin Cross Sections

84-Po-195



10

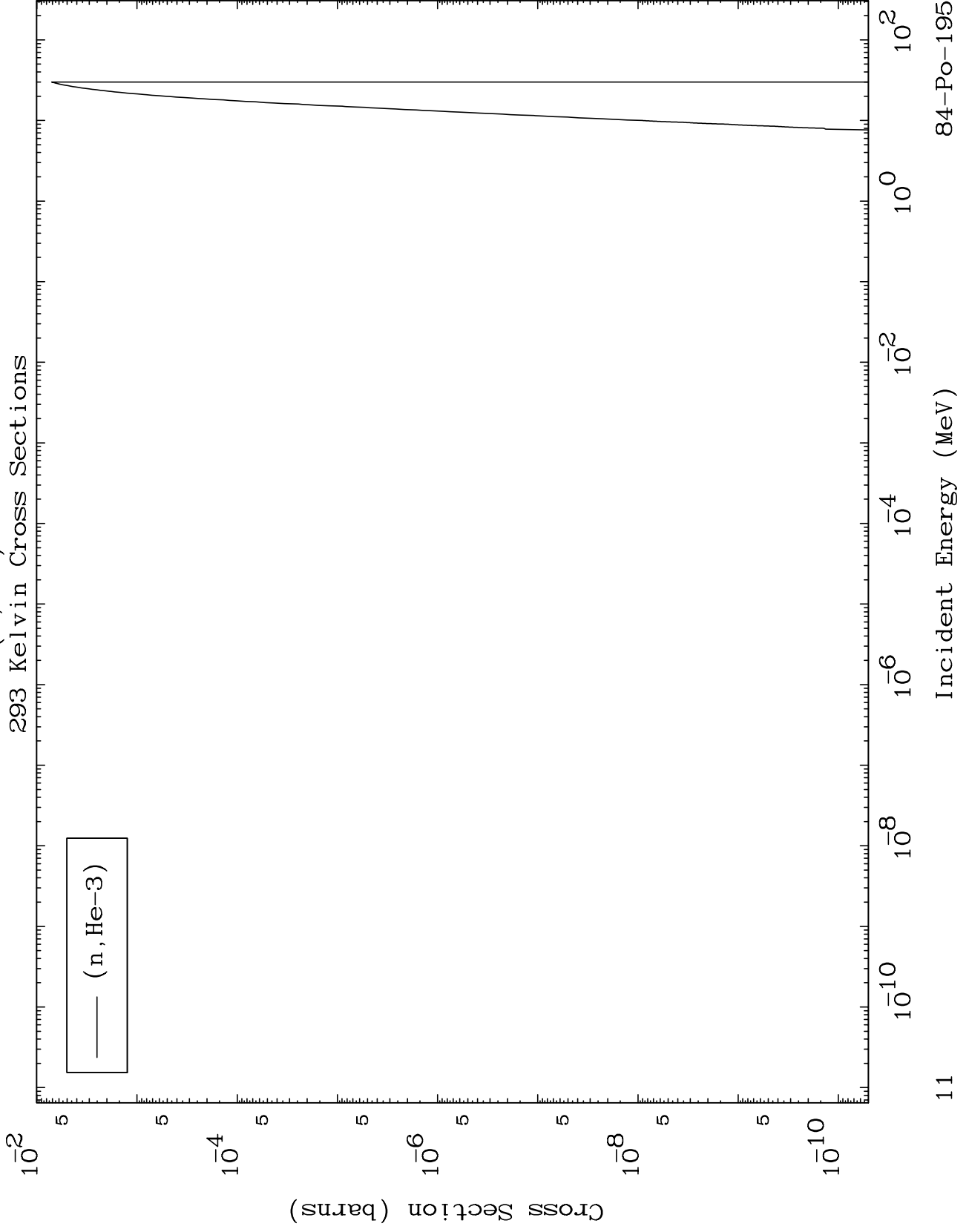
Incident Energy (MeV)

84-Po-195

MAT 8393

(n,He3) Levels
293 Kelvin Cross Sections

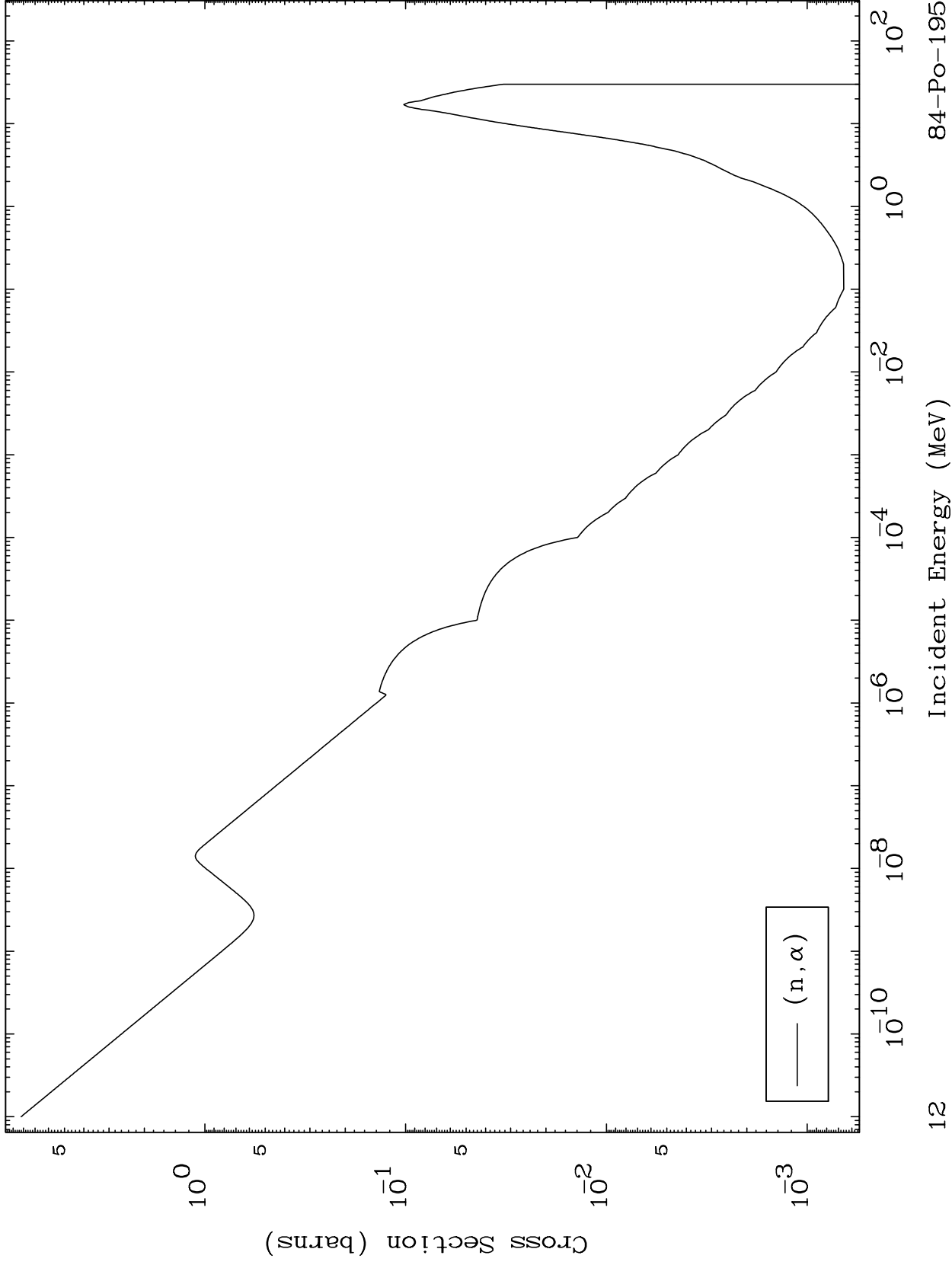
84-Po-195



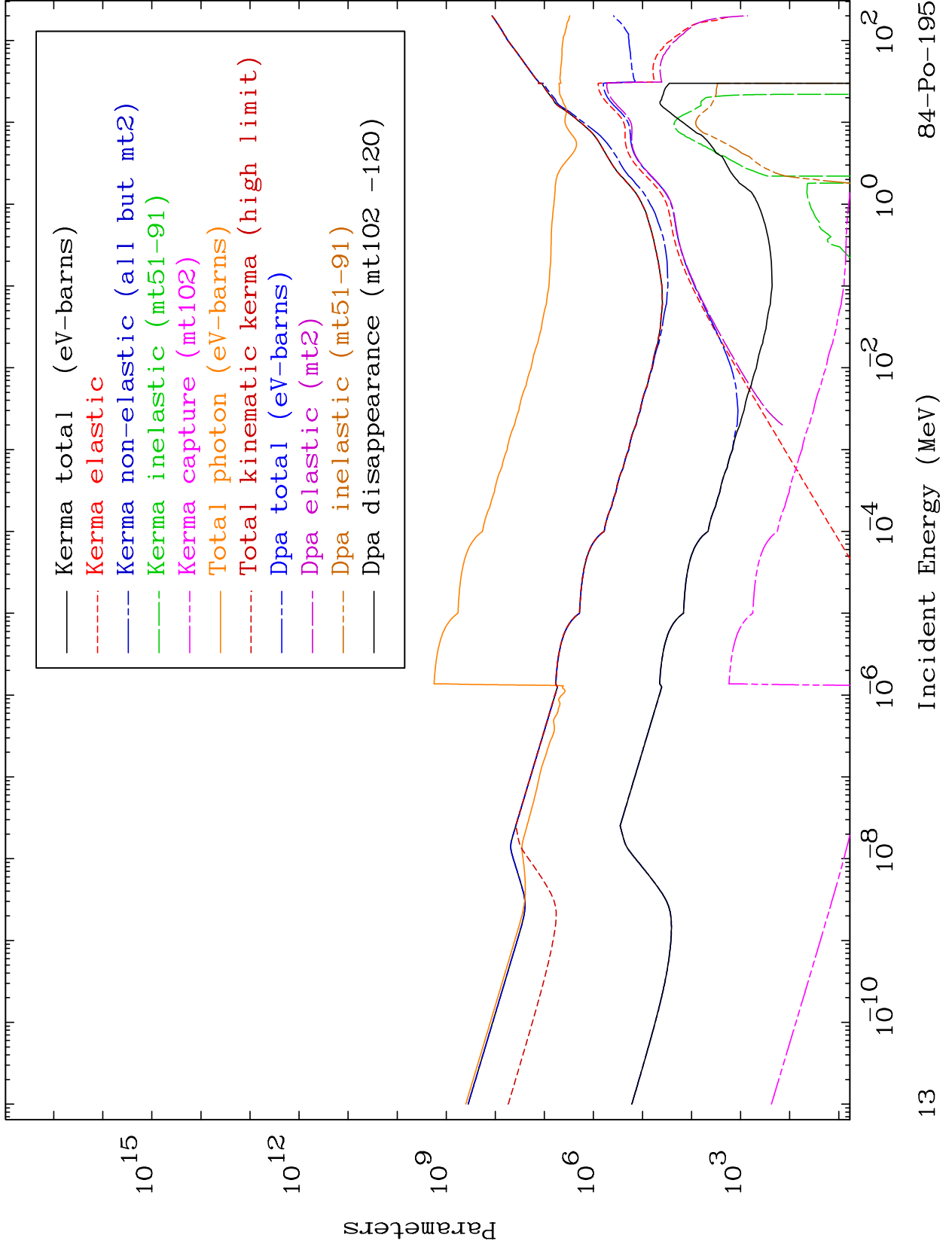
MAT 8393

(n, α) Levels
293 Kelvin Cross Sections

84-Po-195



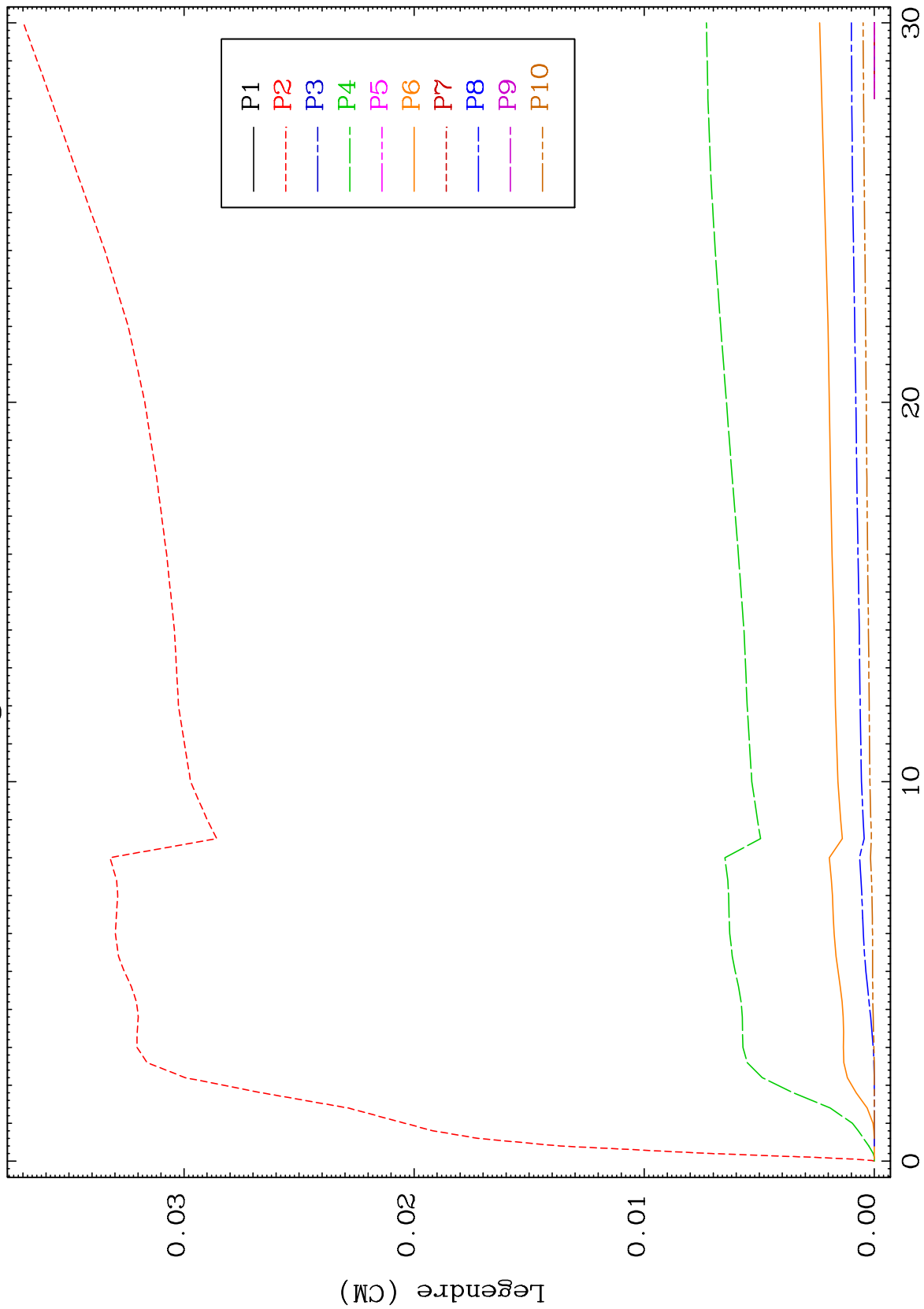
12



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Elastic Legendre Coefficients

84-Po-195



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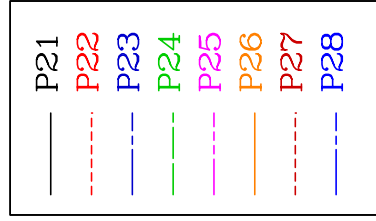
Incident Energy (MeV)

84-Po-195

MAT 8393

Elastic
Legendre Coefficients

84-Po-195



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

25

30

16

Incident Energy (MeV)

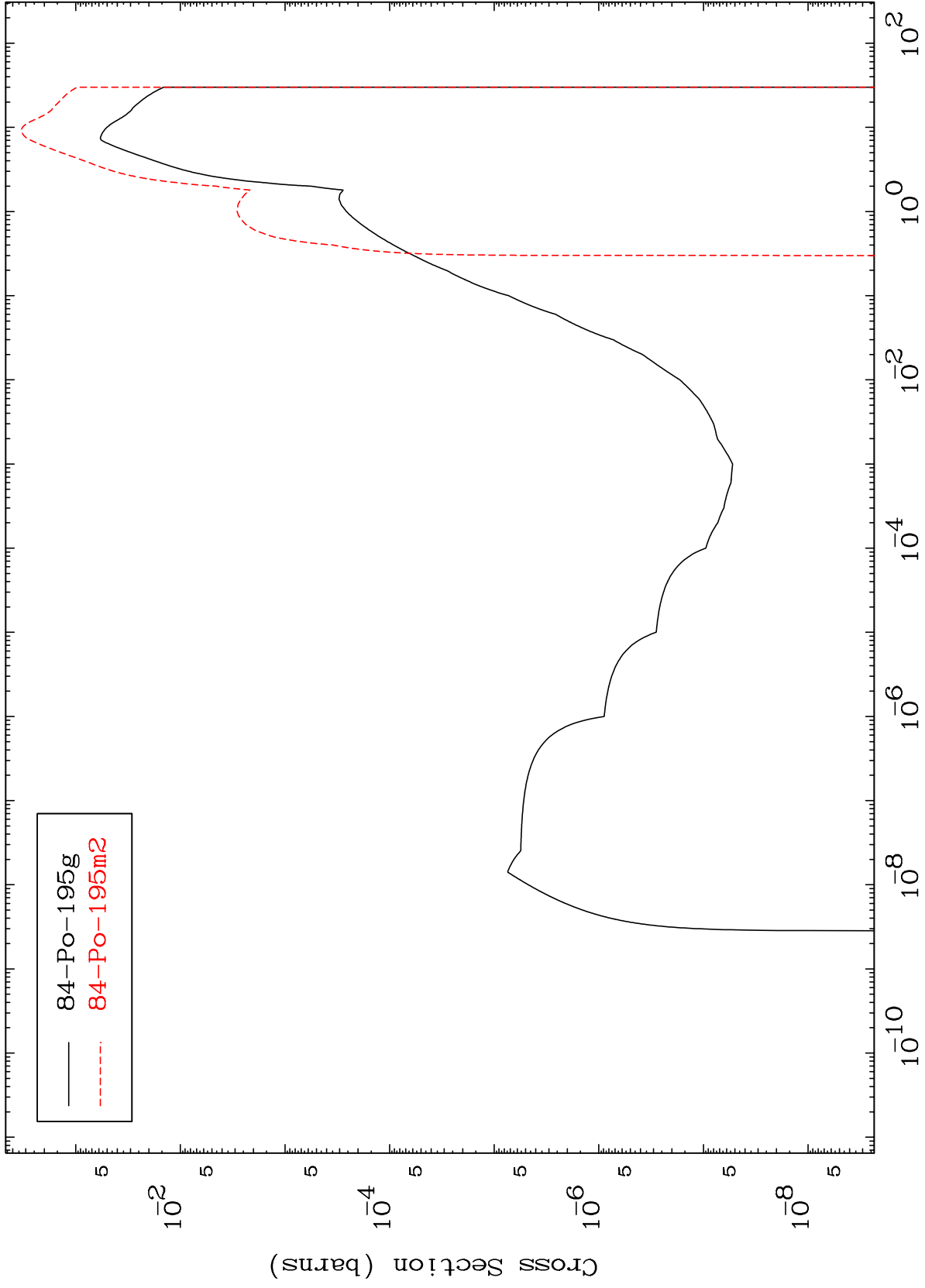
84-Po-195



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Inelastic
Radionuclide Production Cross Section

84-Po-195



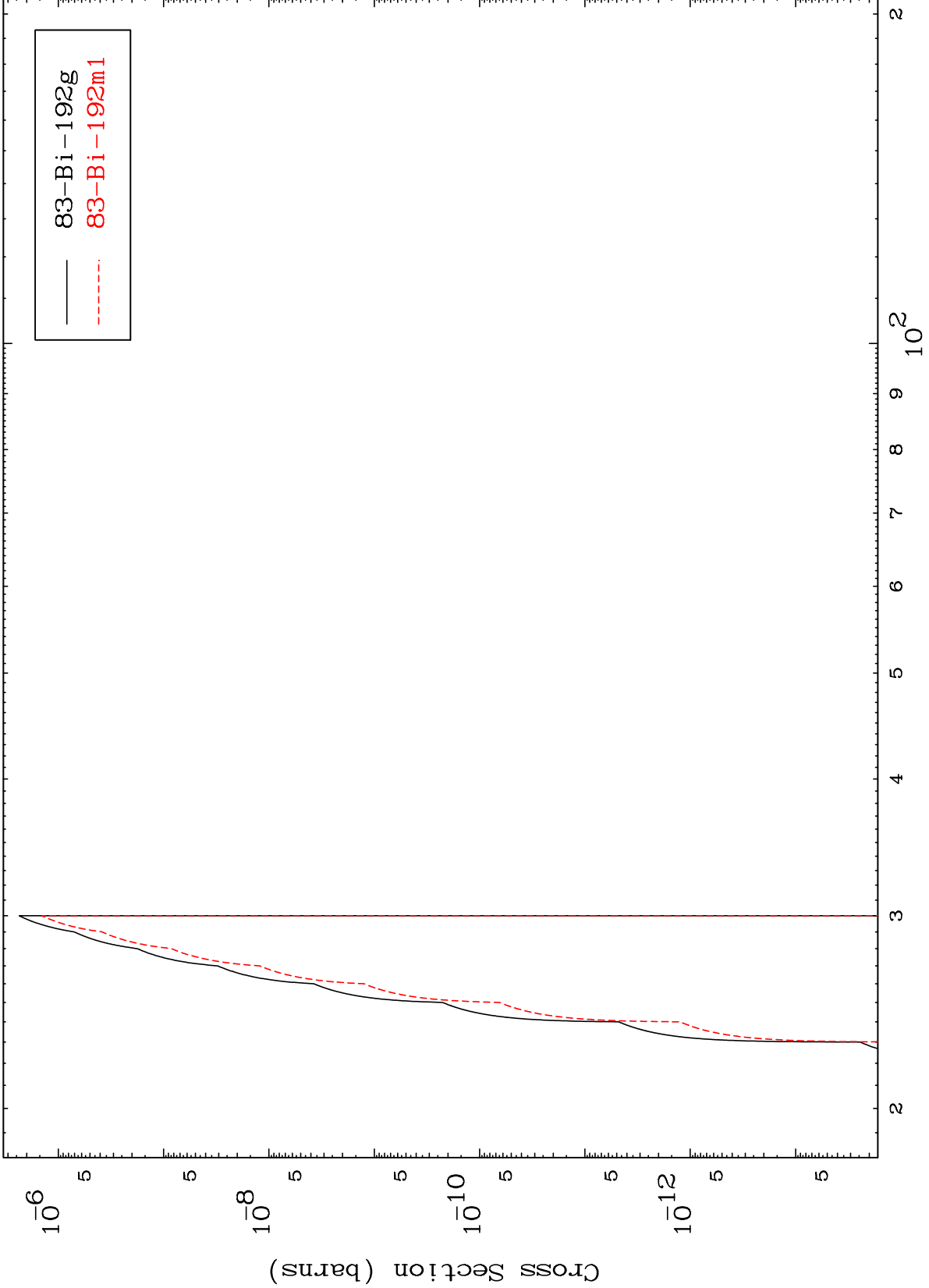
84-Po-195

MAT 8393

(n,2n) d

84-Po-195

Radionuclide Production Cross Section



83-Bi-192g
83-Bi-192m1

18

Incident Energy (MeV)

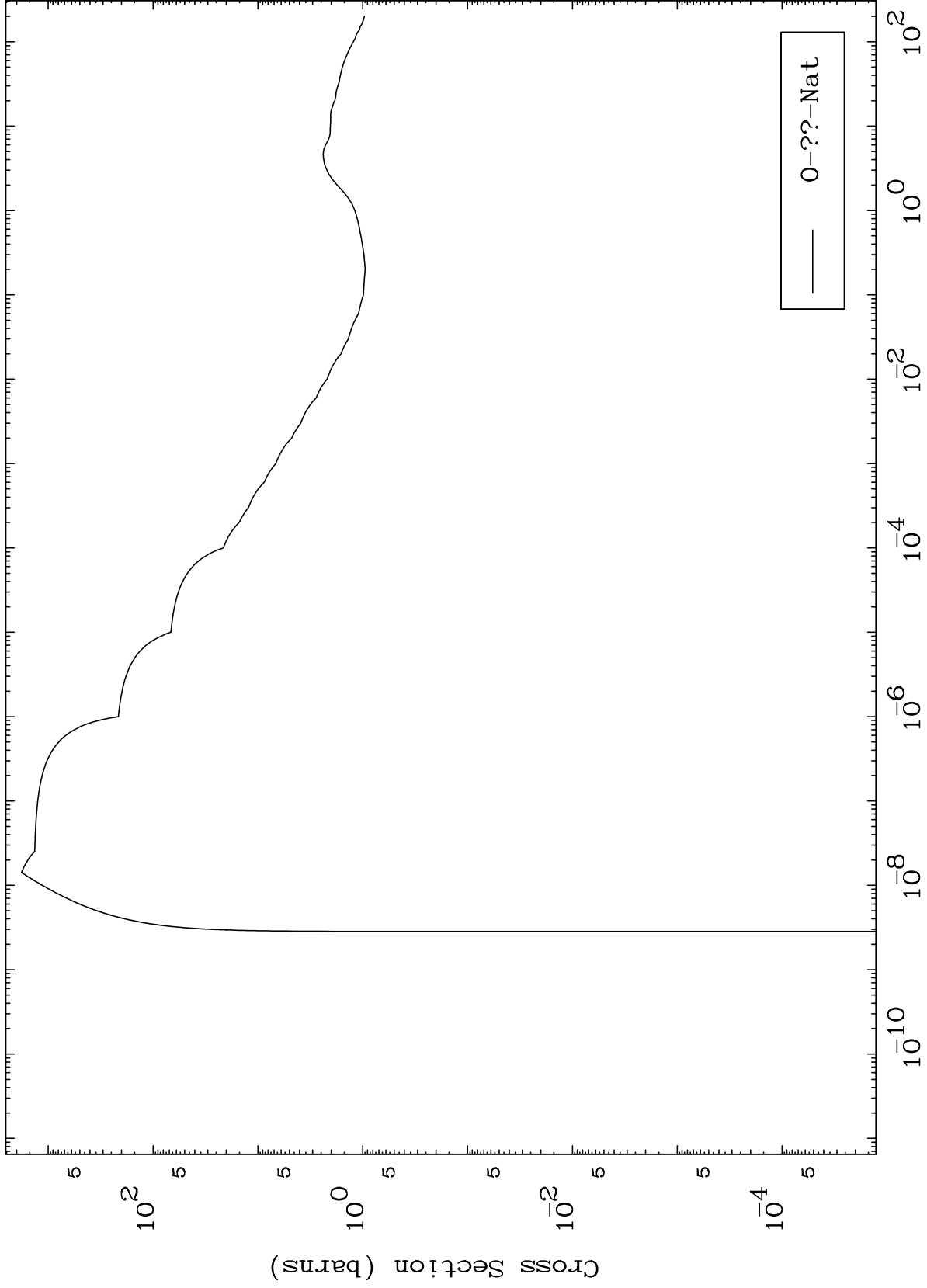
84-Po-195

MAT 8393

Fission

84-Po-195

Radionuclide Production Cross Section



19

Incident Energy (MeV)

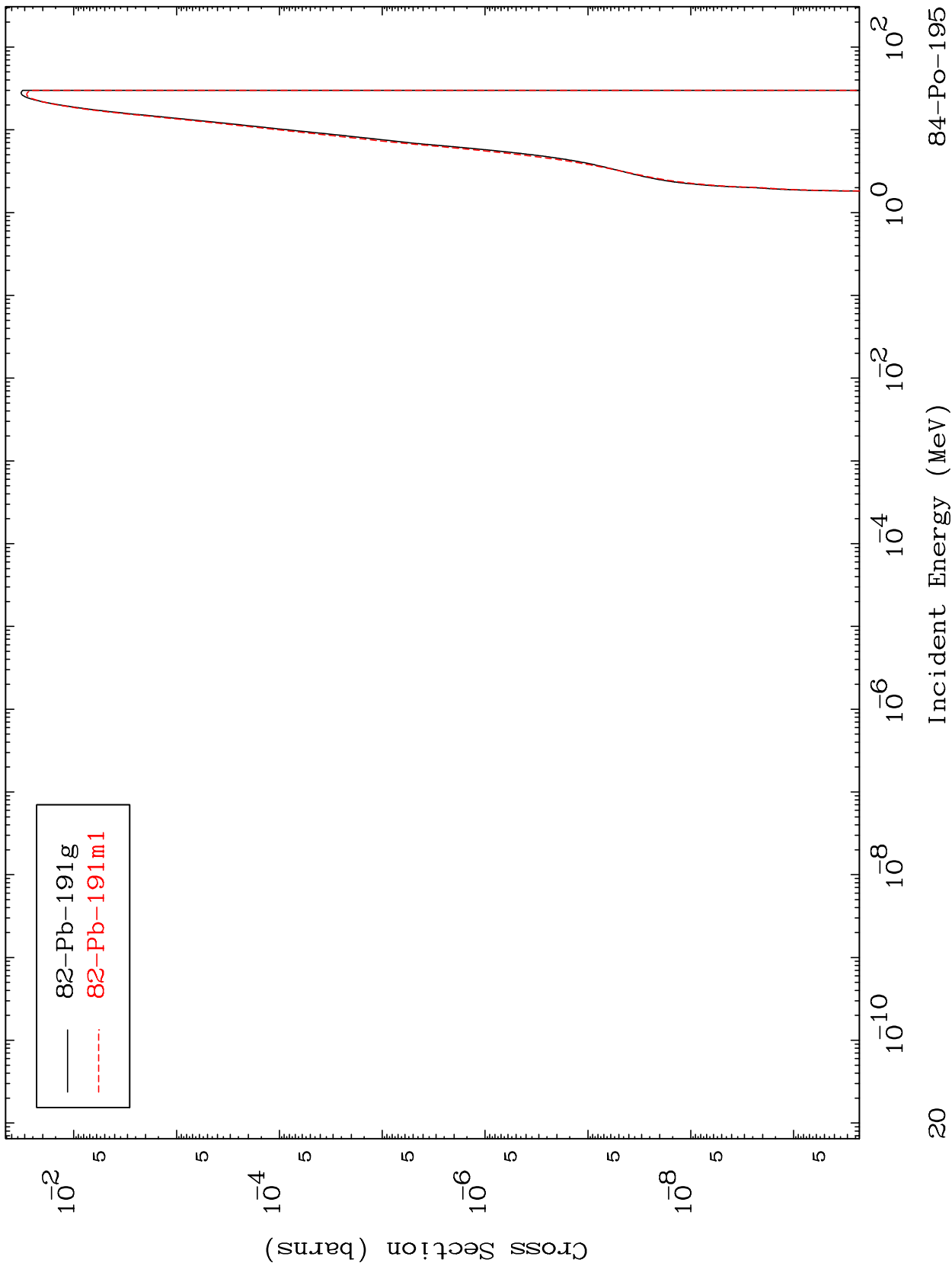
84-Po-195

MAT 8393

$(n, n') \alpha$

84-Po-195

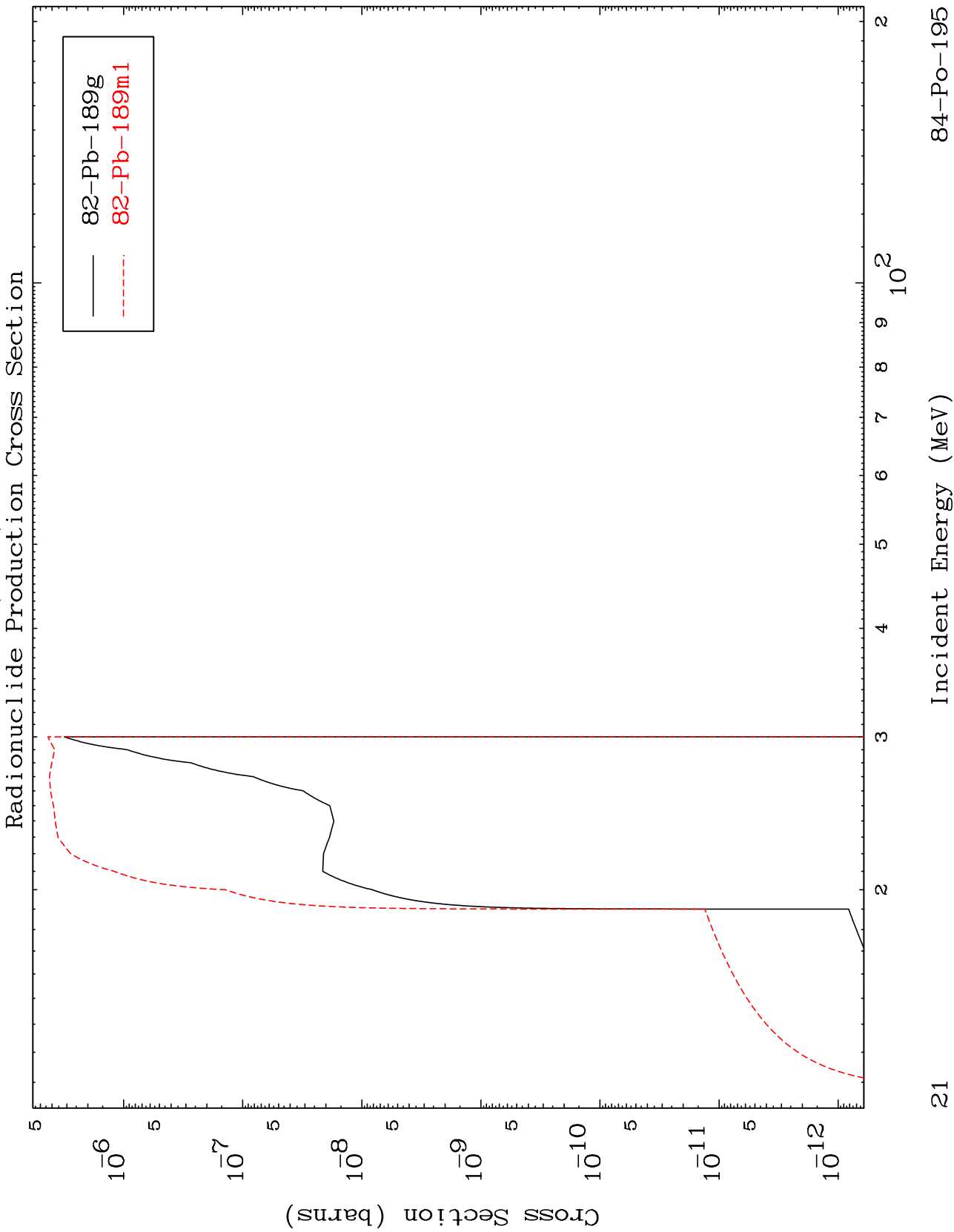
Radionuclide Production Cross Section



MAT 8393

(n,3n) α

84-Po-195

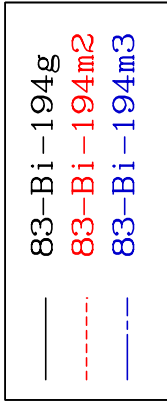
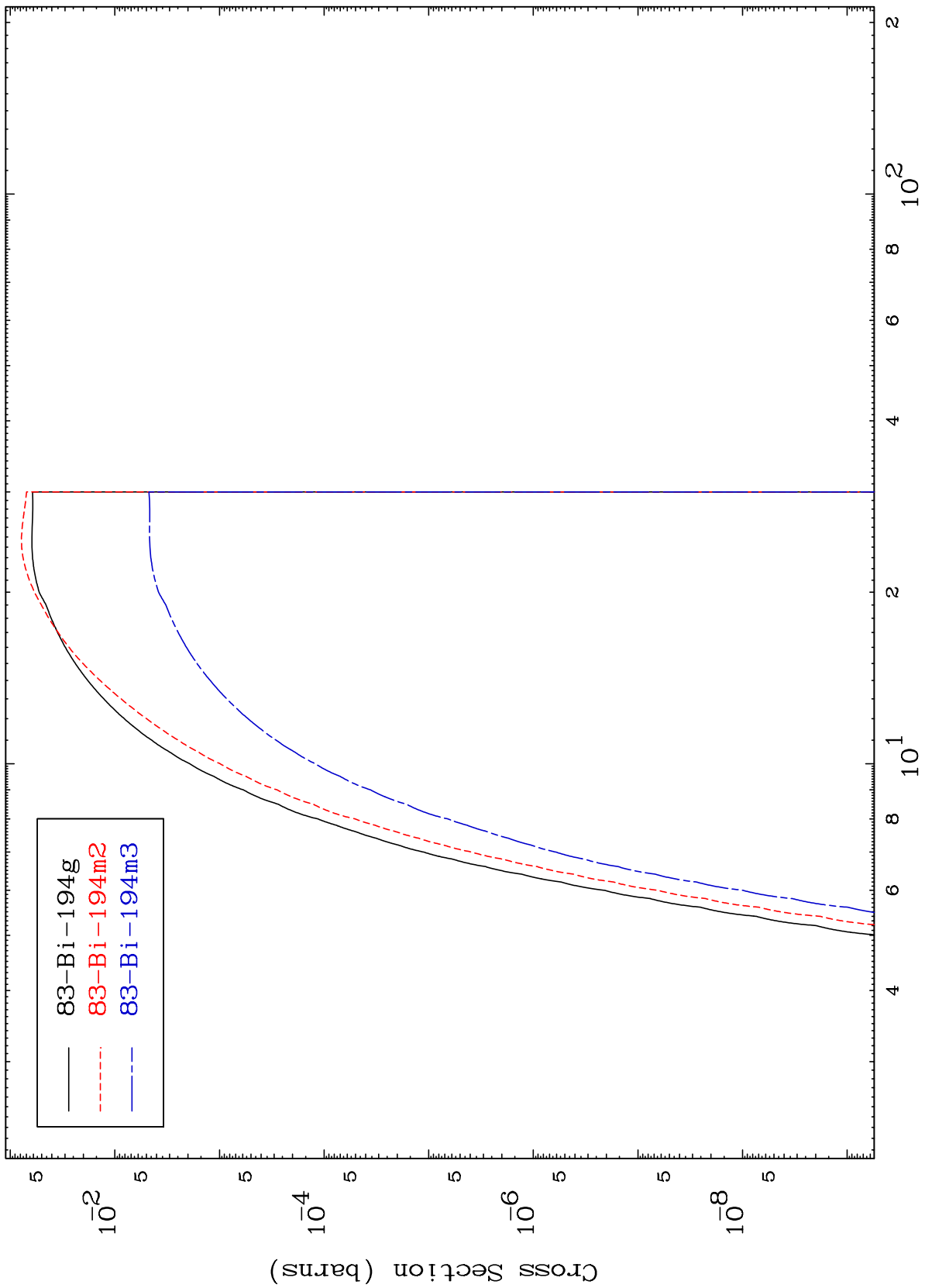


MAT 8393

(n,n') p

84-Po-195

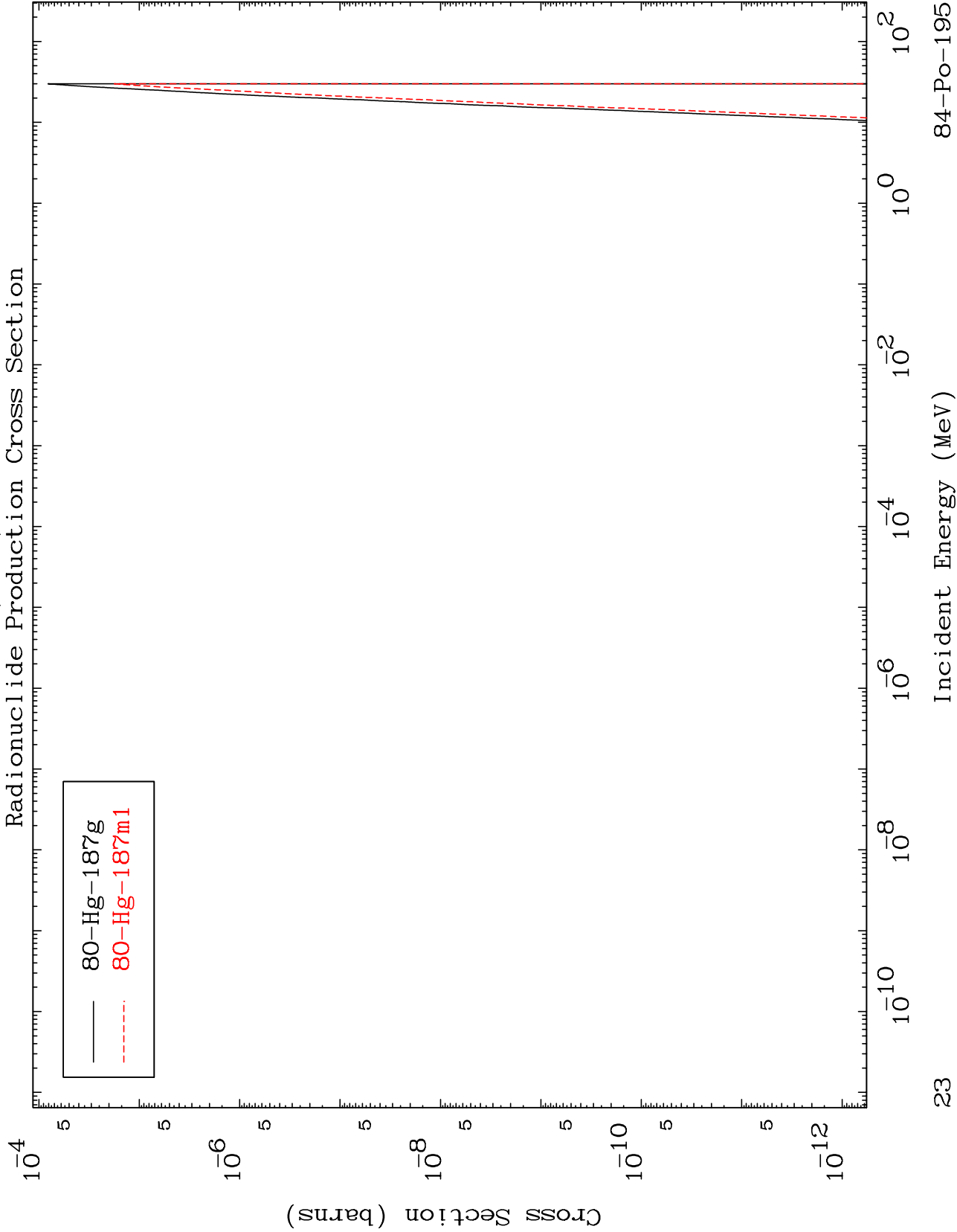
Radionuclide Production Cross Section



MAT 8393

(n,n') 2α

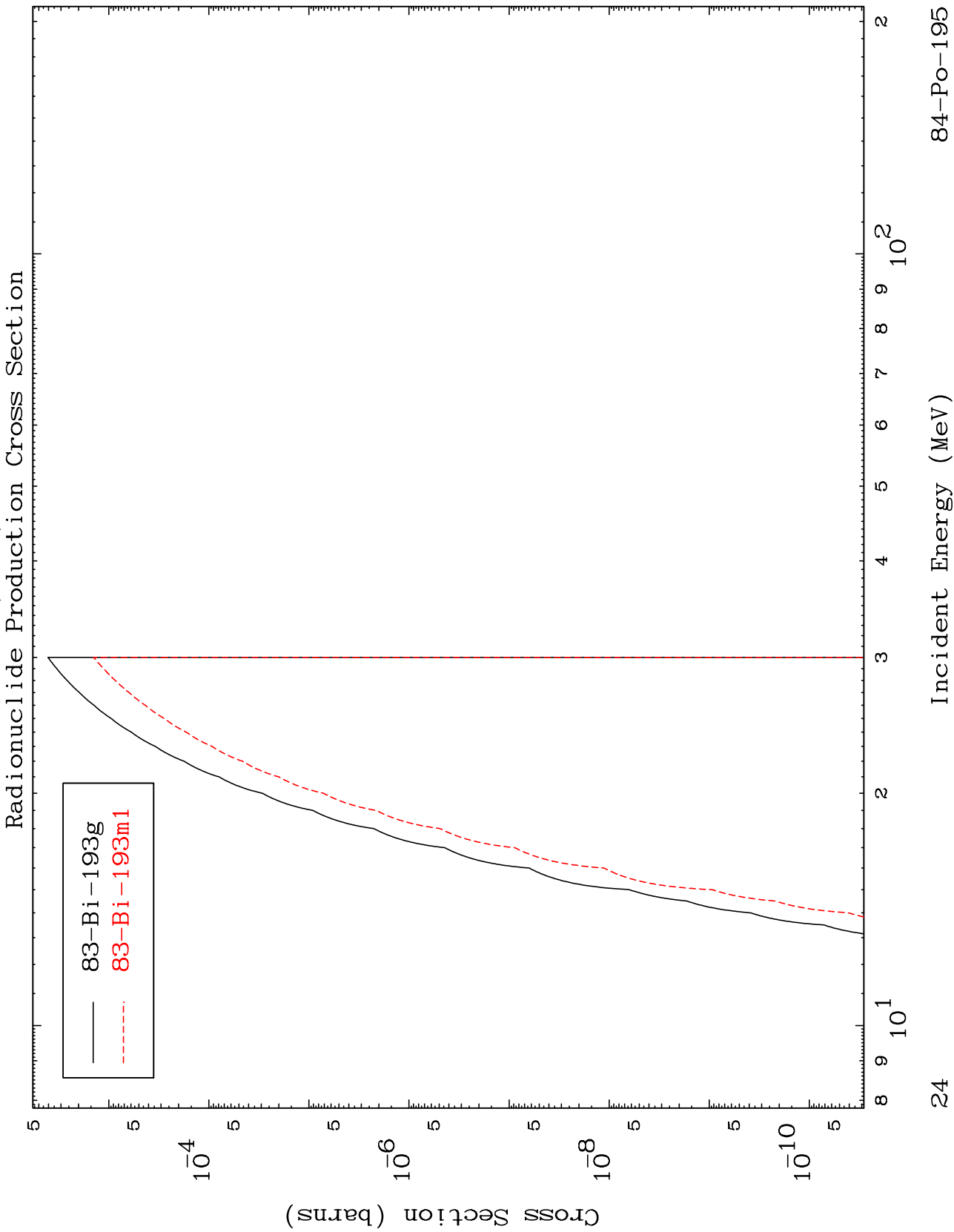
84-Po-195



MAT 8393

(n,n') d

84-Po-195

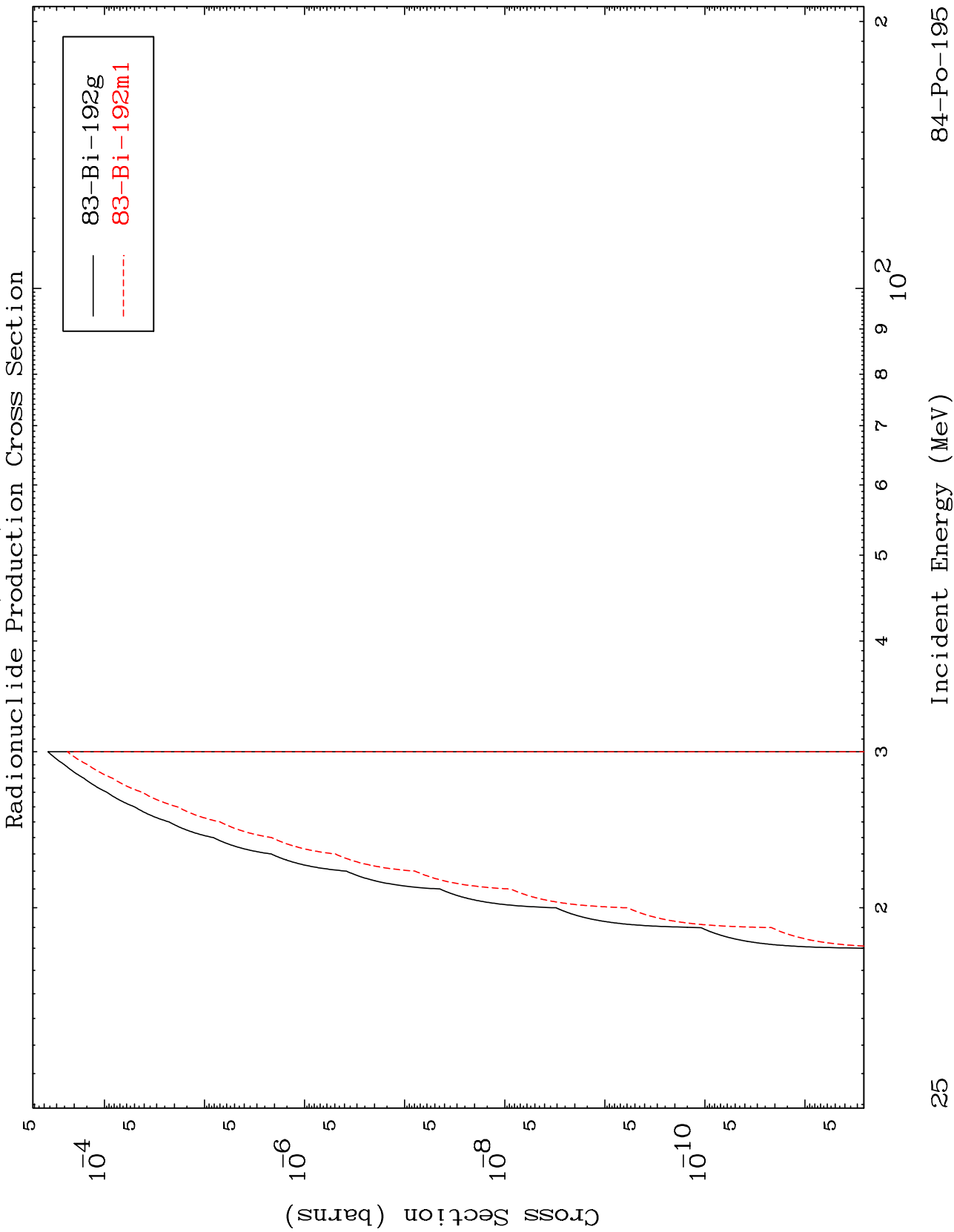


24

MAT 8393

(n,n') t

84-Po-195



25

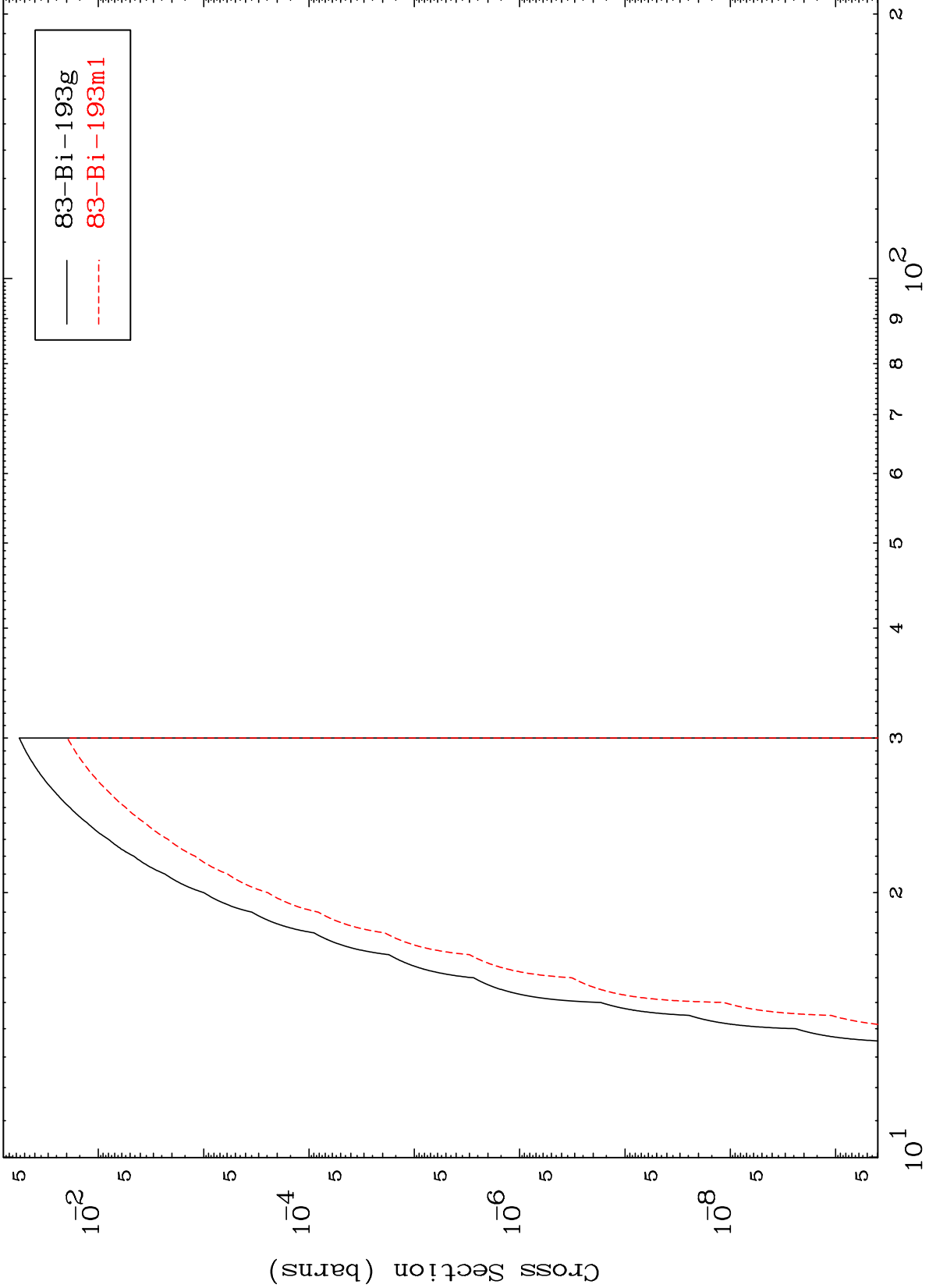
84-Po-195

MAT 8393

(n,2n) p

84-Po-195

Radionuclide Production Cross Section



26

Incident Energy (MeV)

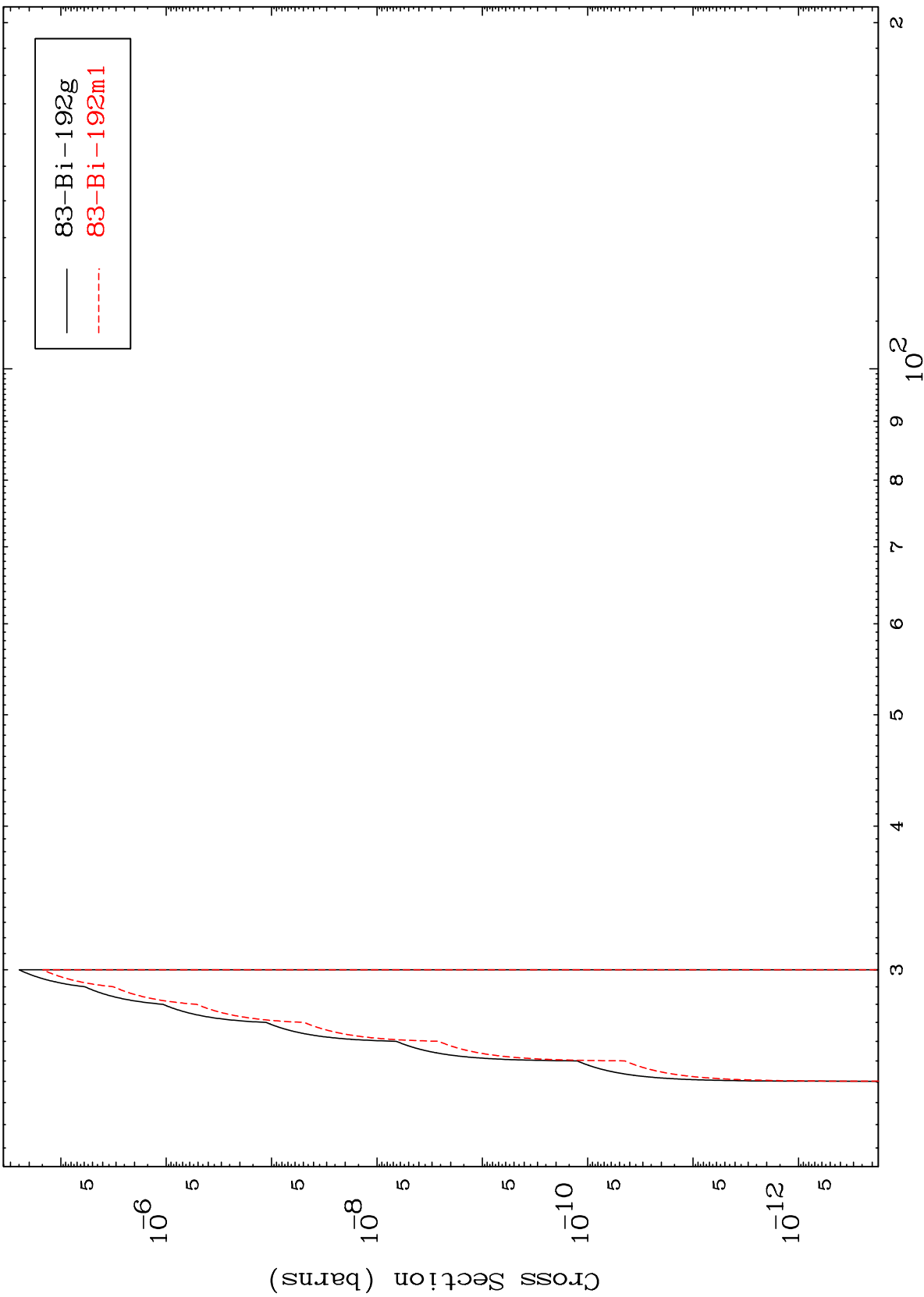
84-Po-195

MAT 8393

(n,3n) p

84-Po-195

Radionuclide Production Cross Section

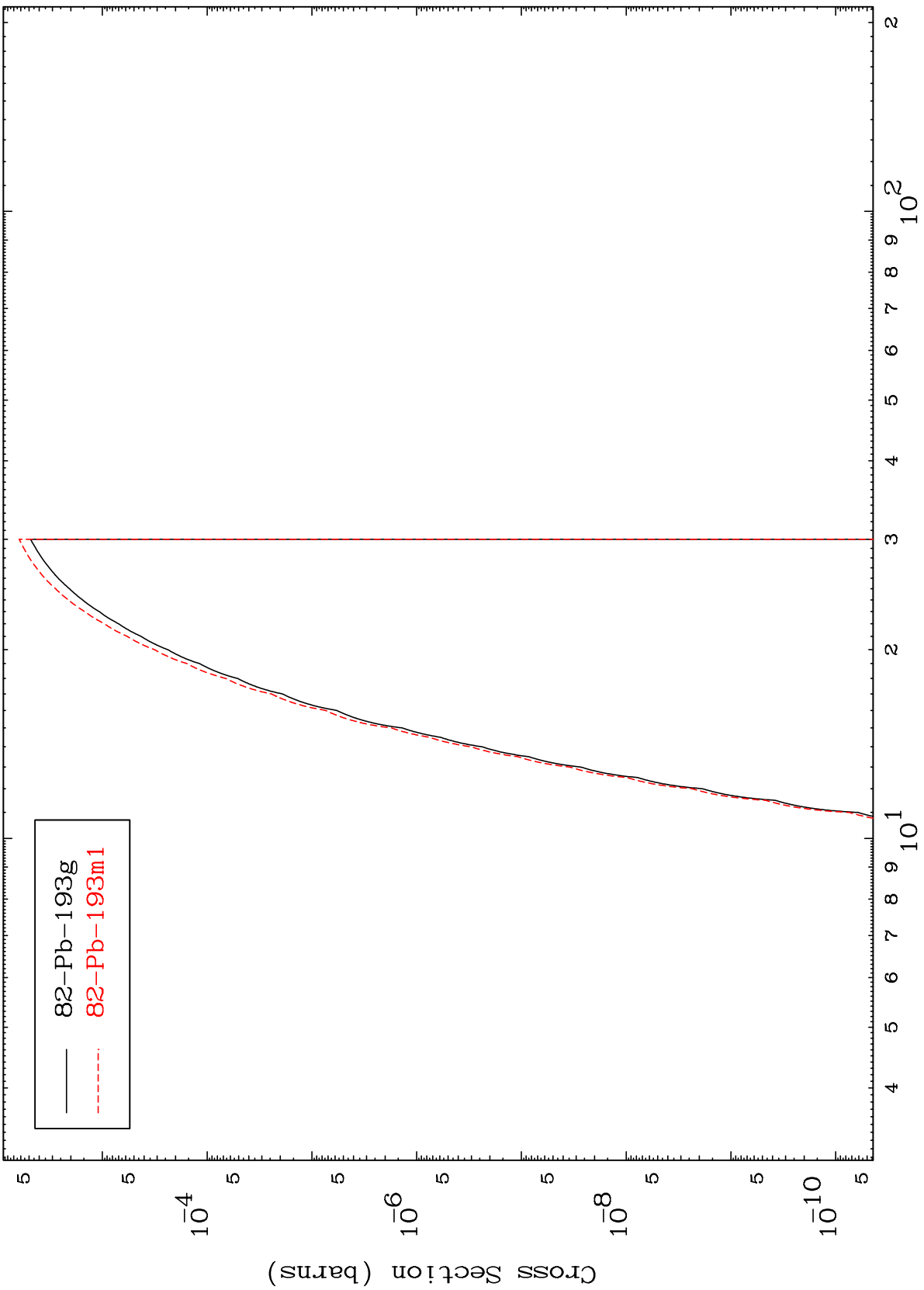


MAT 8393

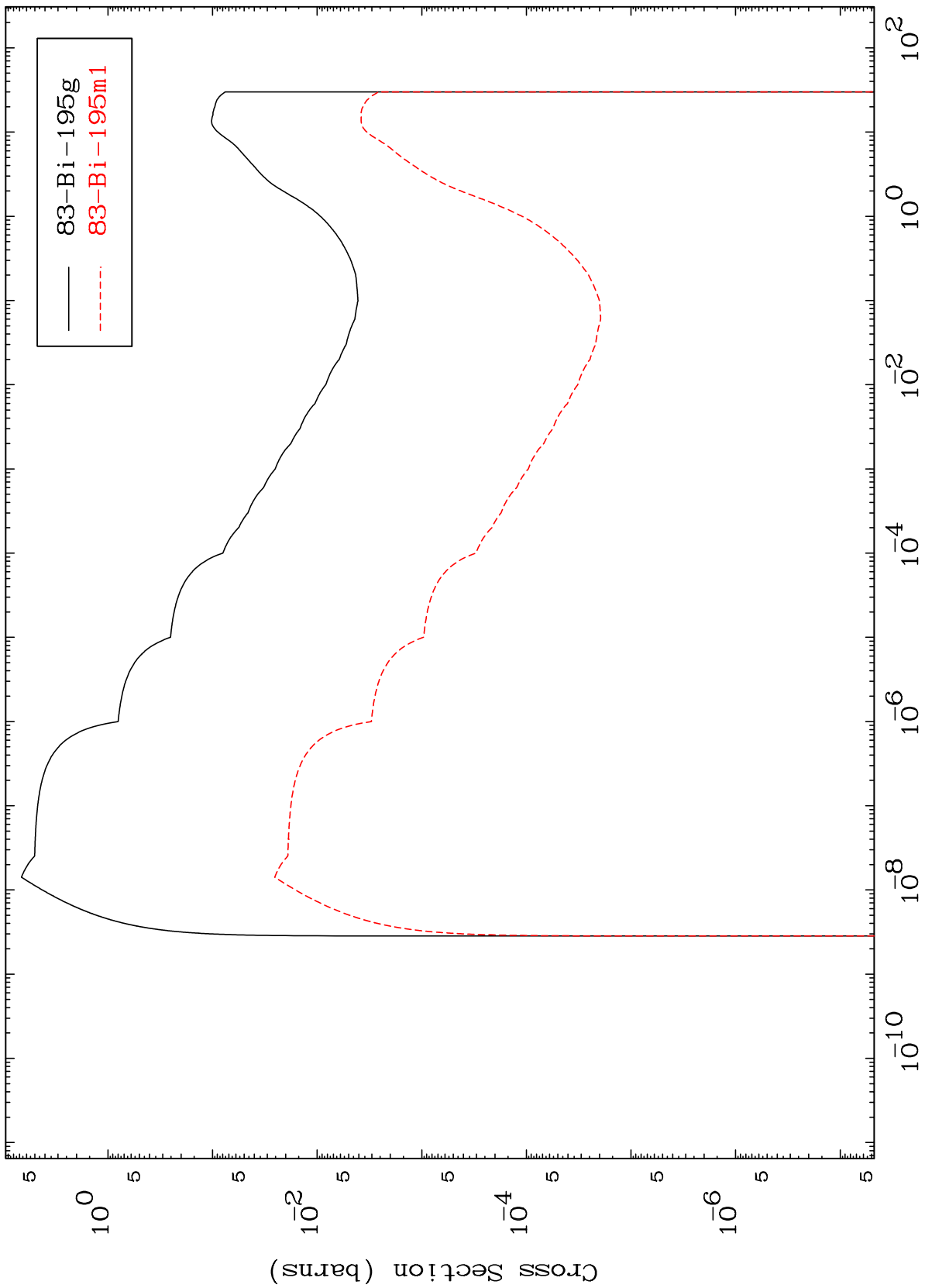
(n,2n) p

84-Po-195

Radionuclide Production Cross Section



(n,p)
Radionuclide Production Cross Section



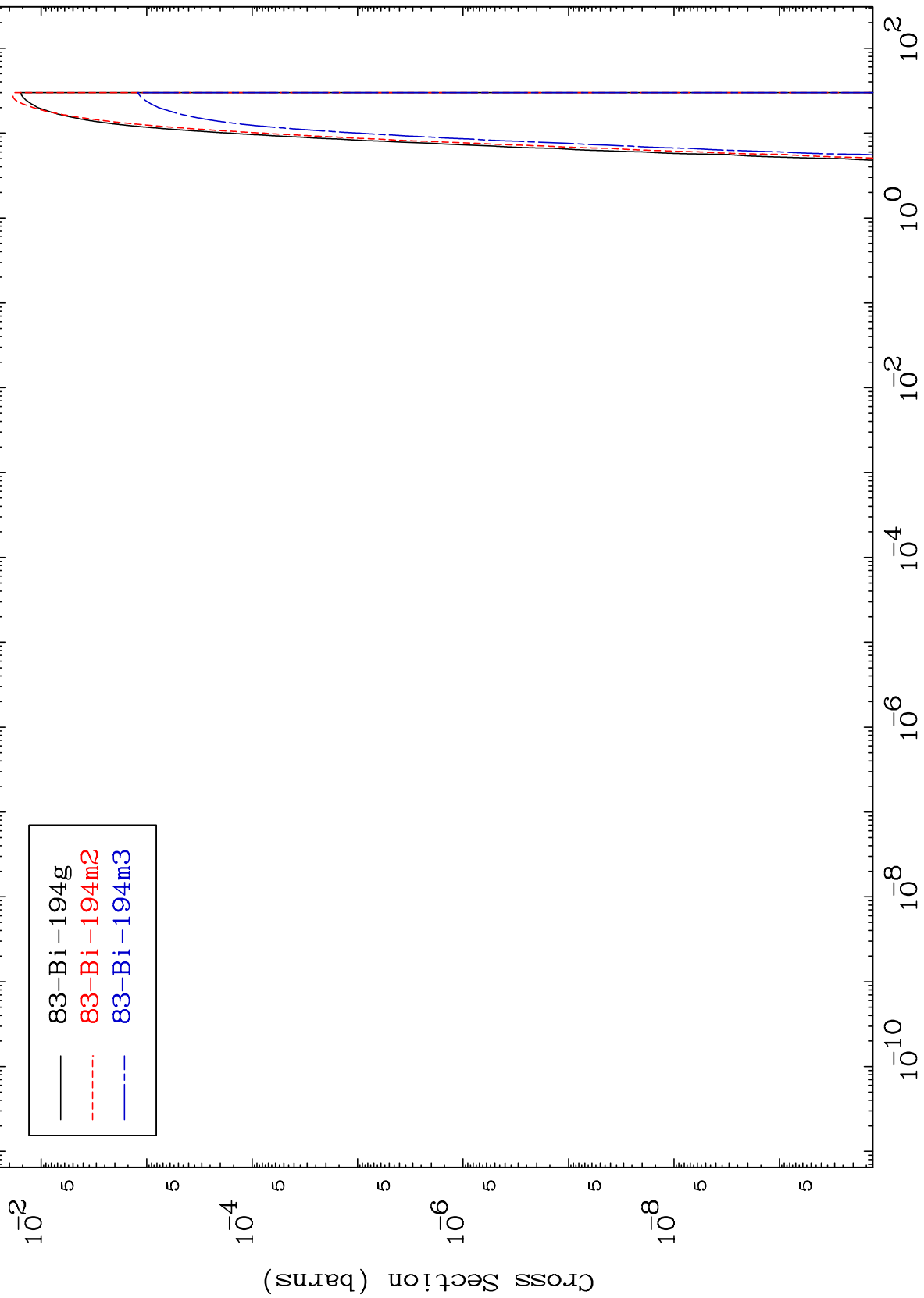
— 83-Bi-195g
- - - 83-Bi-195m1

MAT 8393

(n,d)

84-Po-195

Radionuclide Production Cross Section

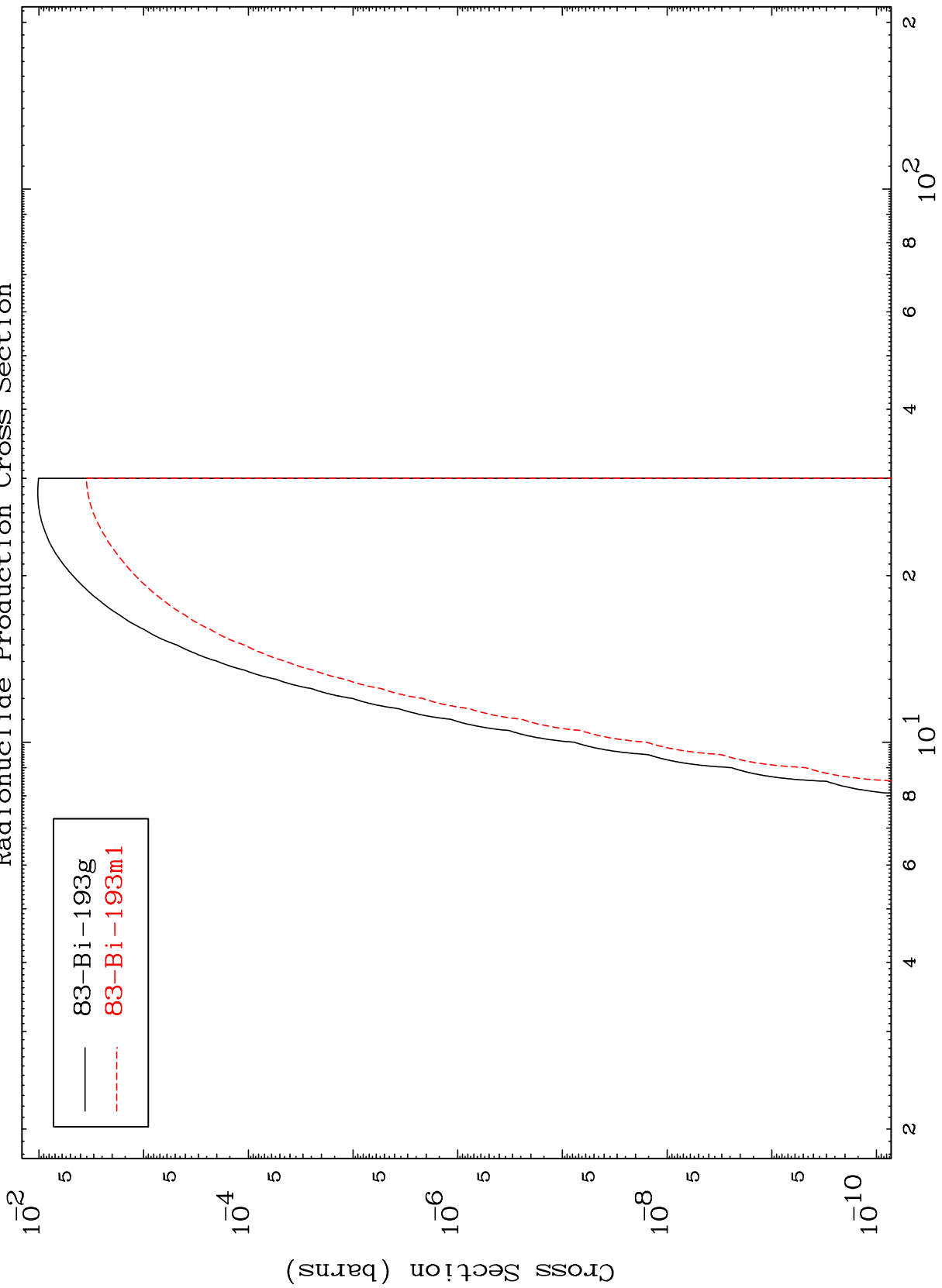


83-Bi-194g
83-Bi-194m2
83-Bi-194m3

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84-Po-195

(n,t)
Radionuclide Production Cross Section



— 83-Bi-193g
- - - 83-Bi-193m1

31

Incident Energy (MeV)

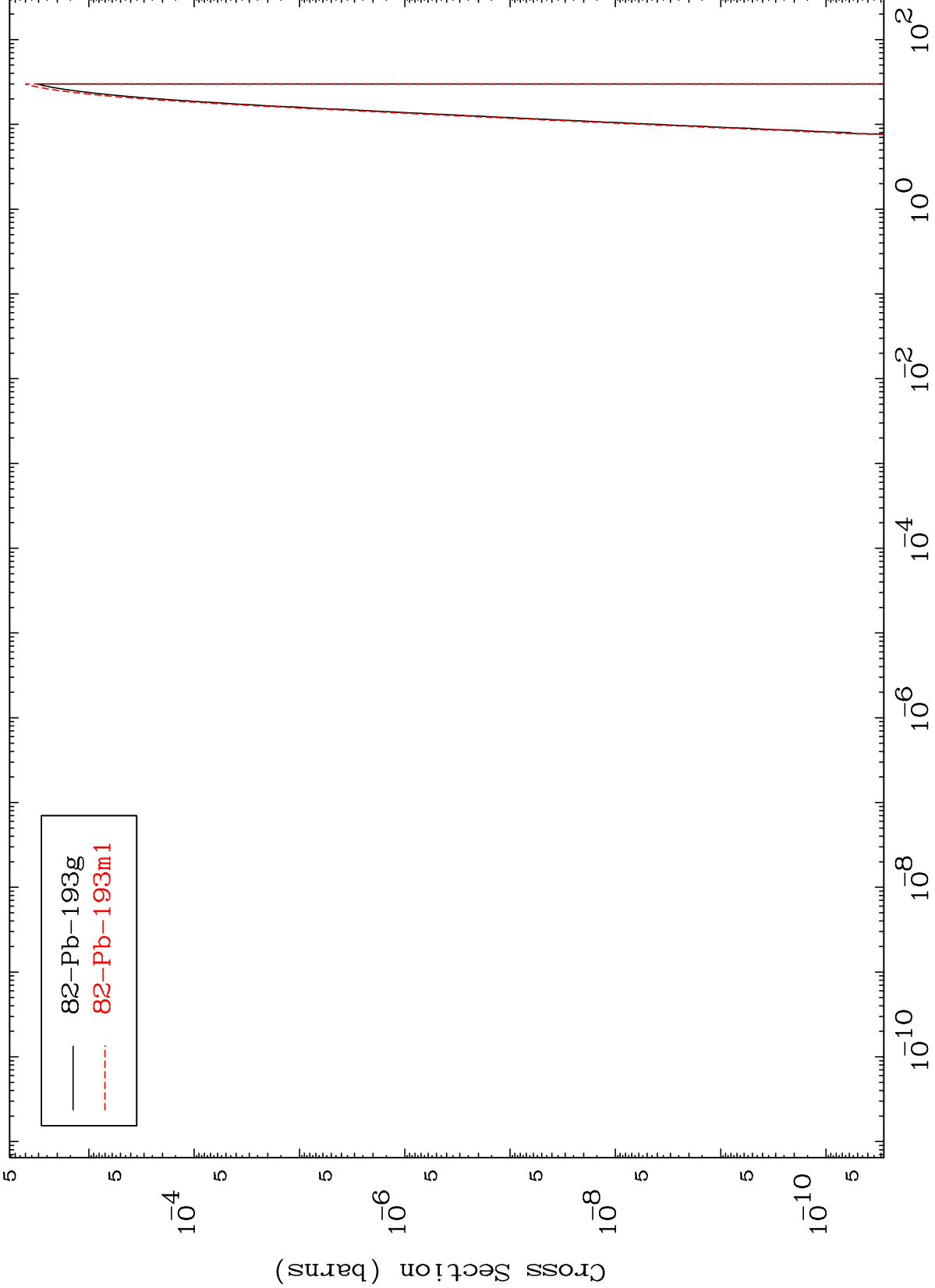
84-Po-195

MAT 8393

(n,He-3)

84-Po-195

Radionuclide Production Cross Section



32

Incident Energy (MeV)

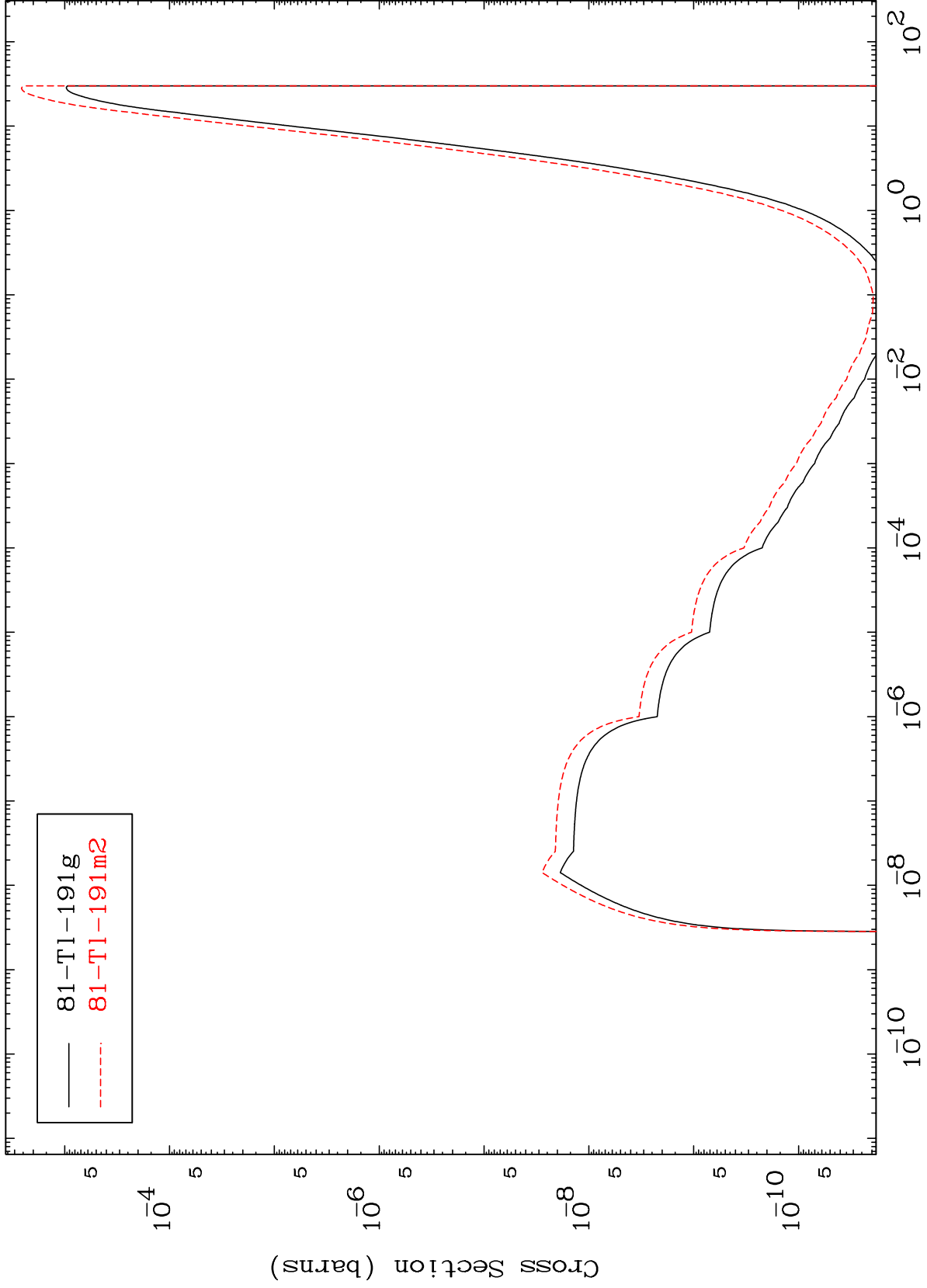
84-Po-195

MAT 8393

(n,p) α

84-Po-195

Radionuclide Production Cross Section



33

Incident Energy (MeV)

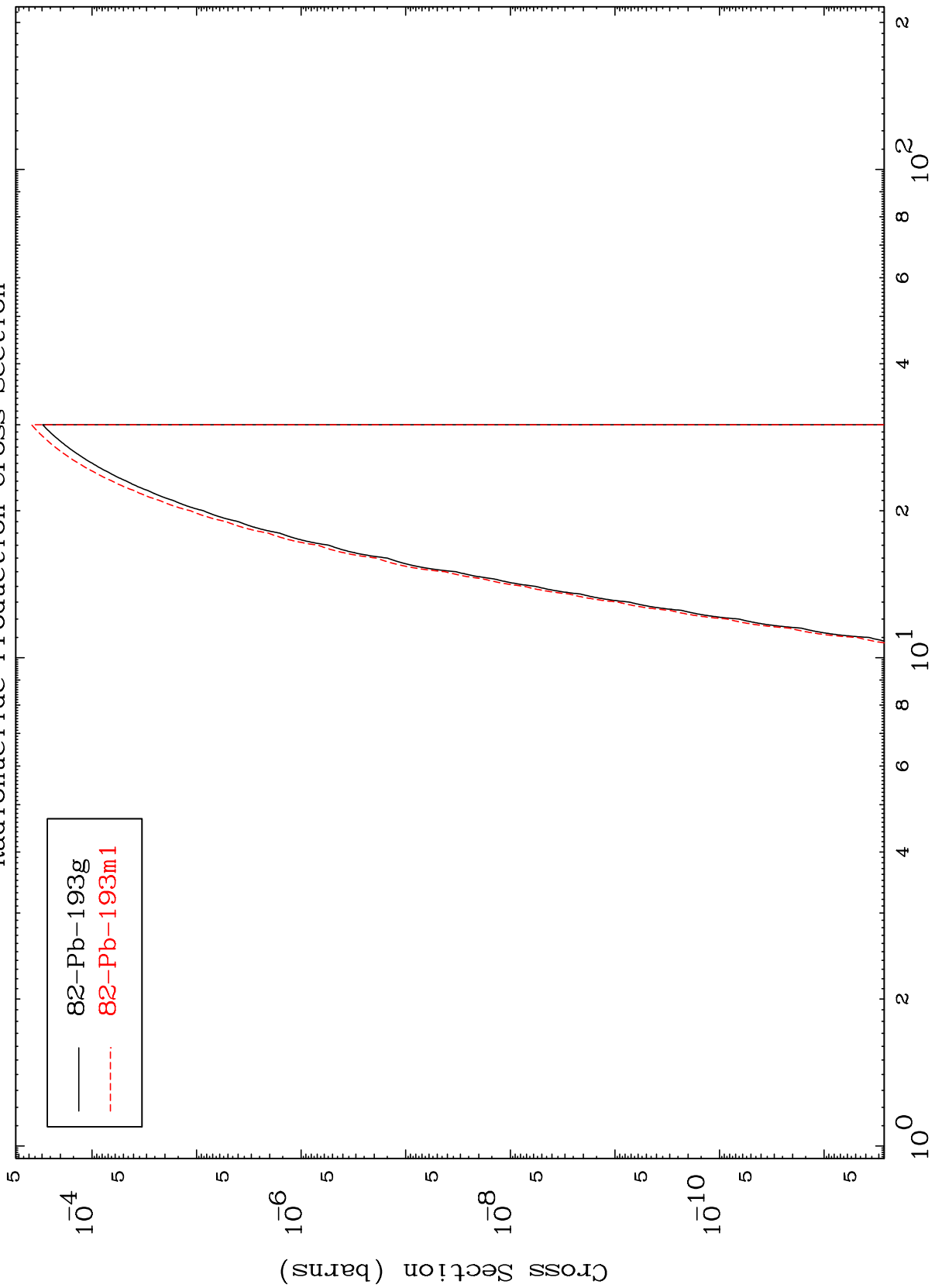
84-Po-195

MAT 8393

(n,p) d

84-Po-195

Radionuclide Production Cross Section



Incident Energy (MeV)

84-Po-195

34