

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

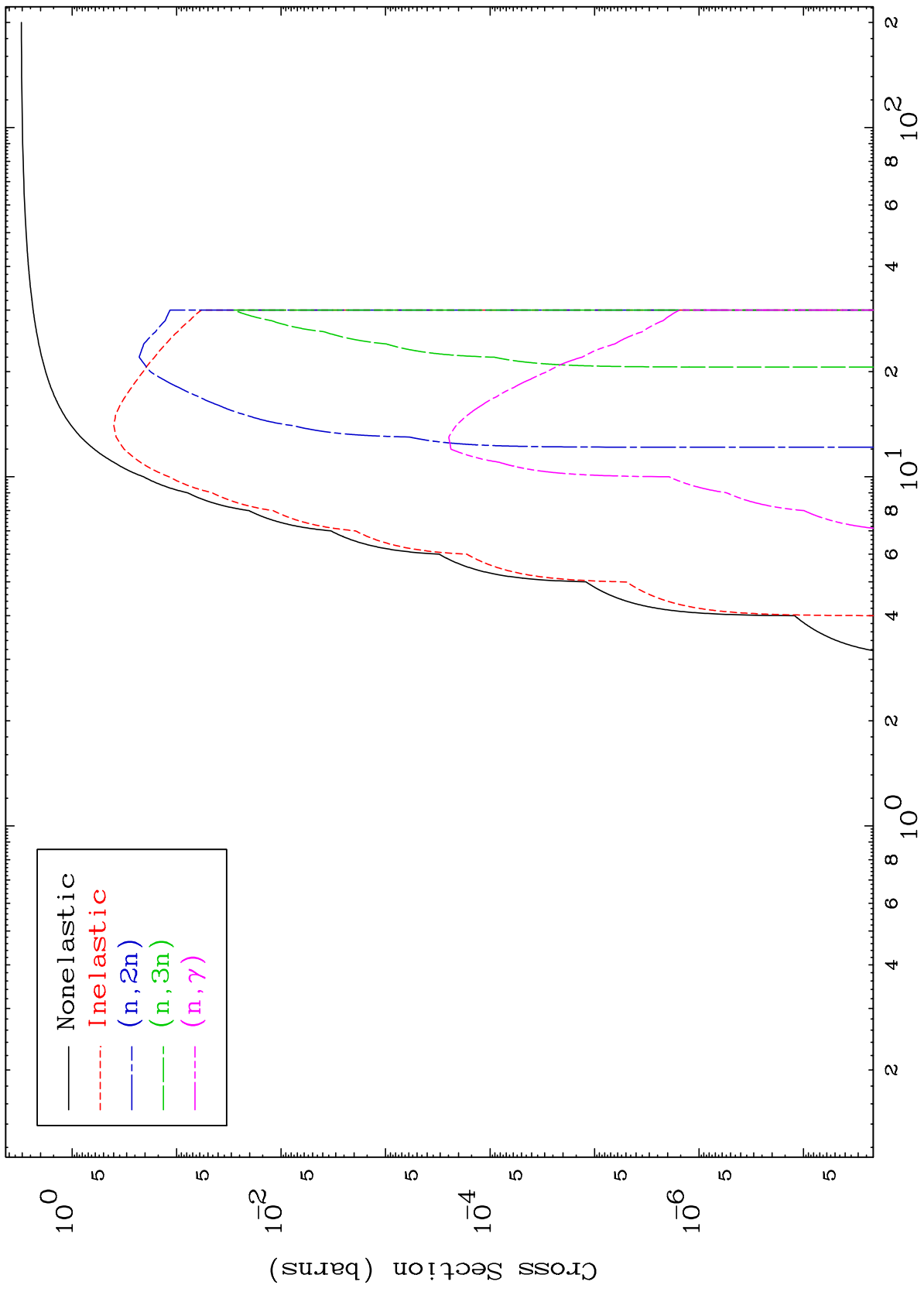
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

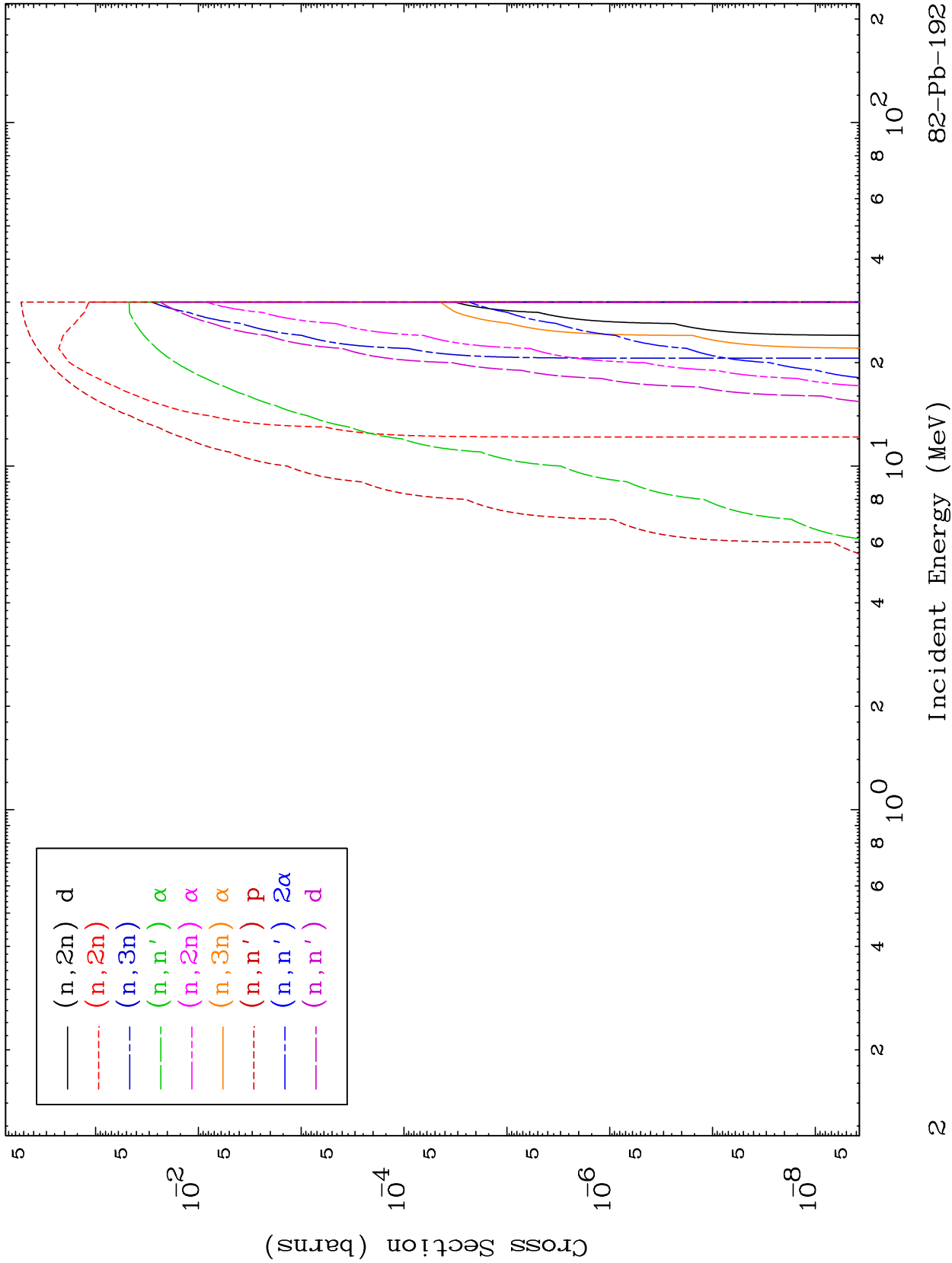
Tele: 925-443-1911

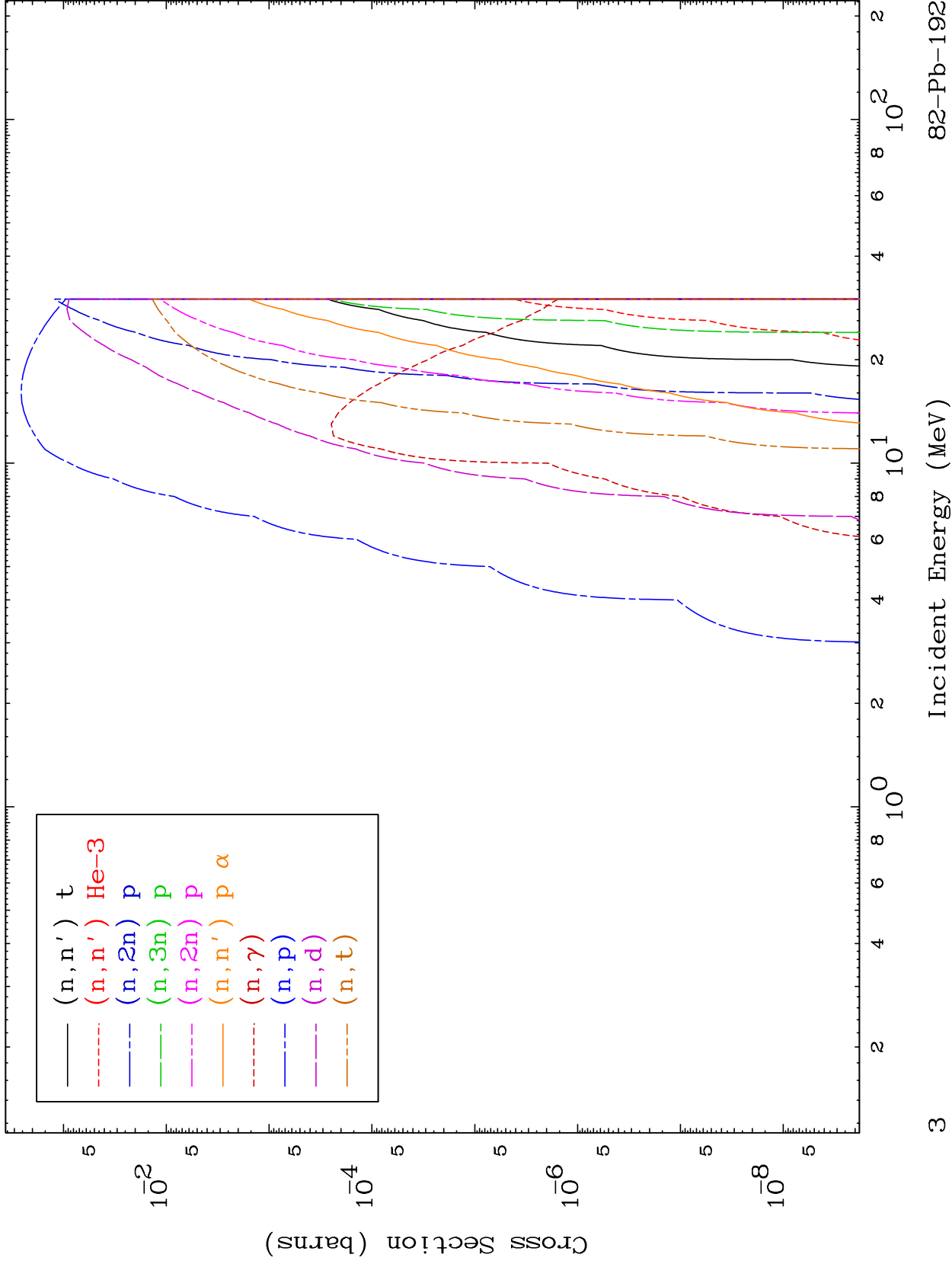
E-Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start



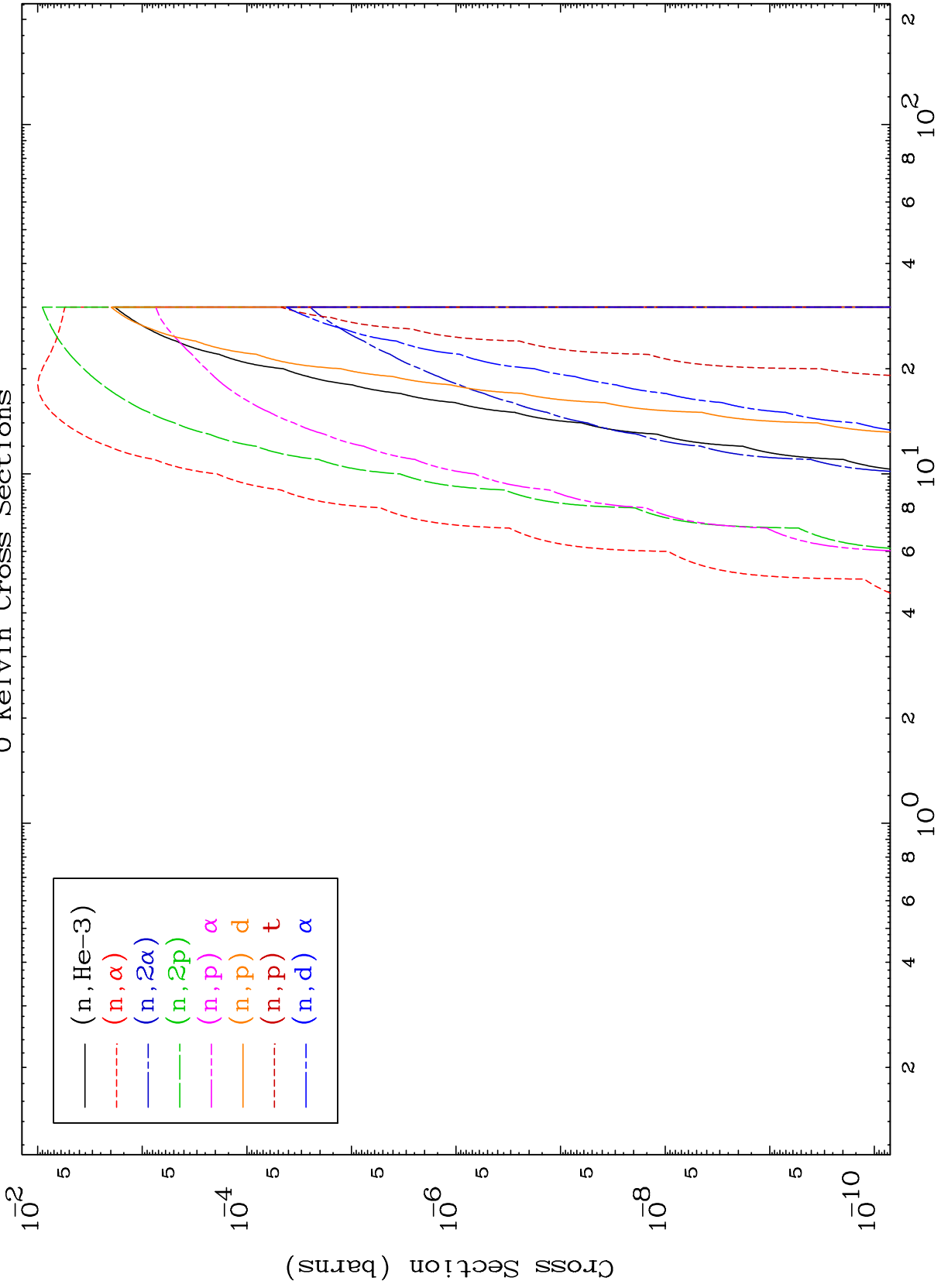


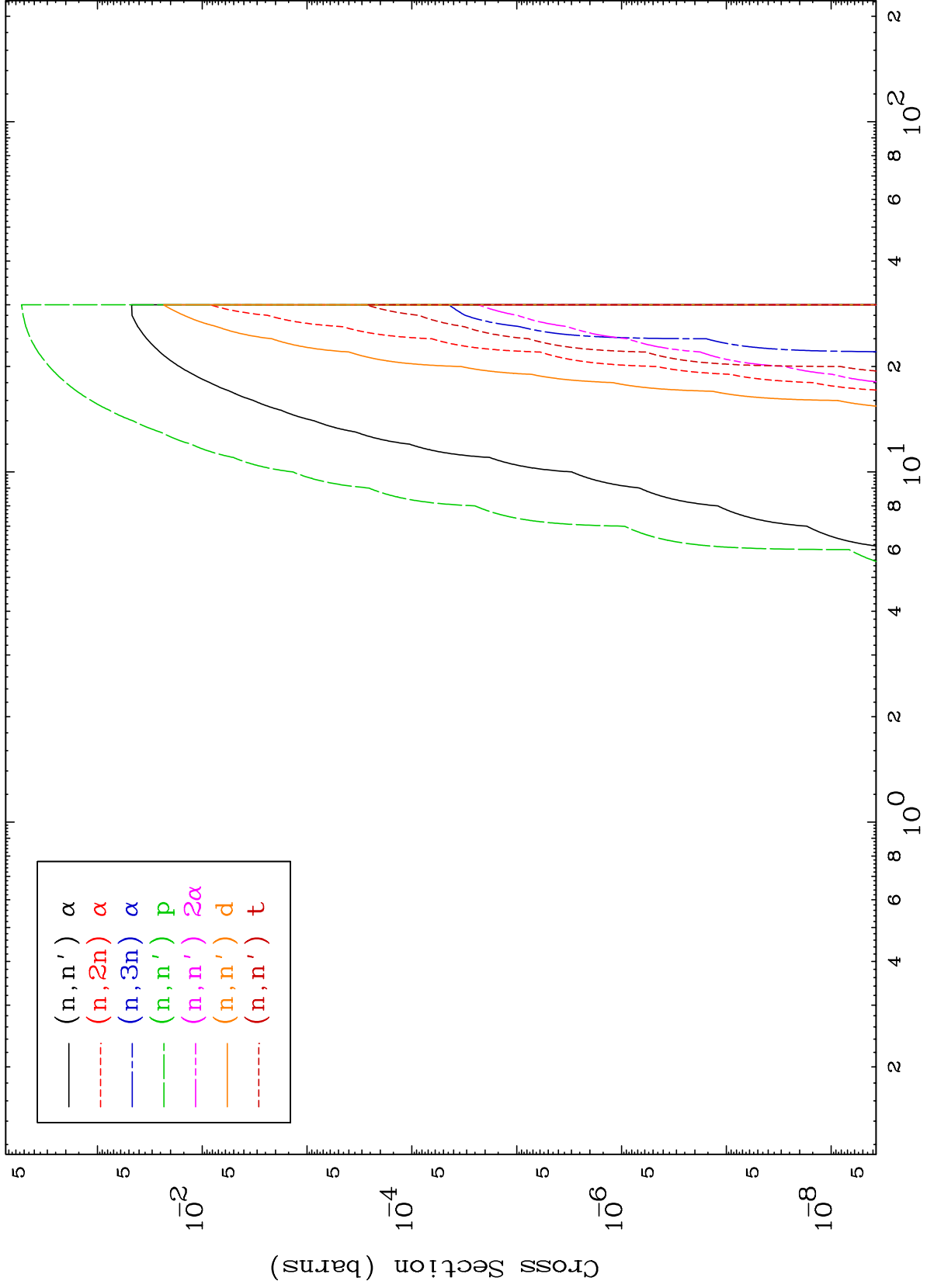


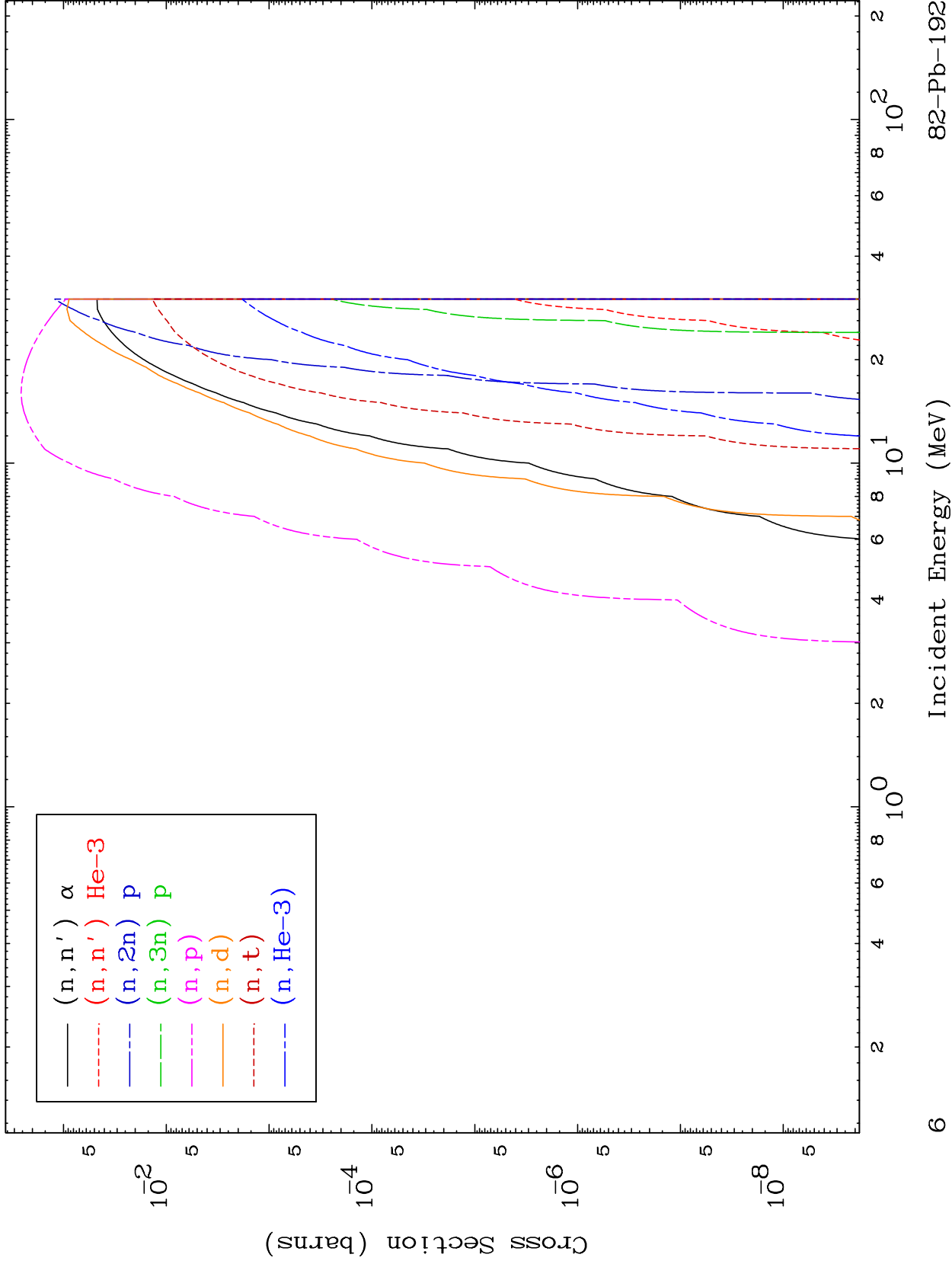
MAT 8189

Deuteron Neutron Absorption
0 Kelvin Cross Sections

82-Pb-192



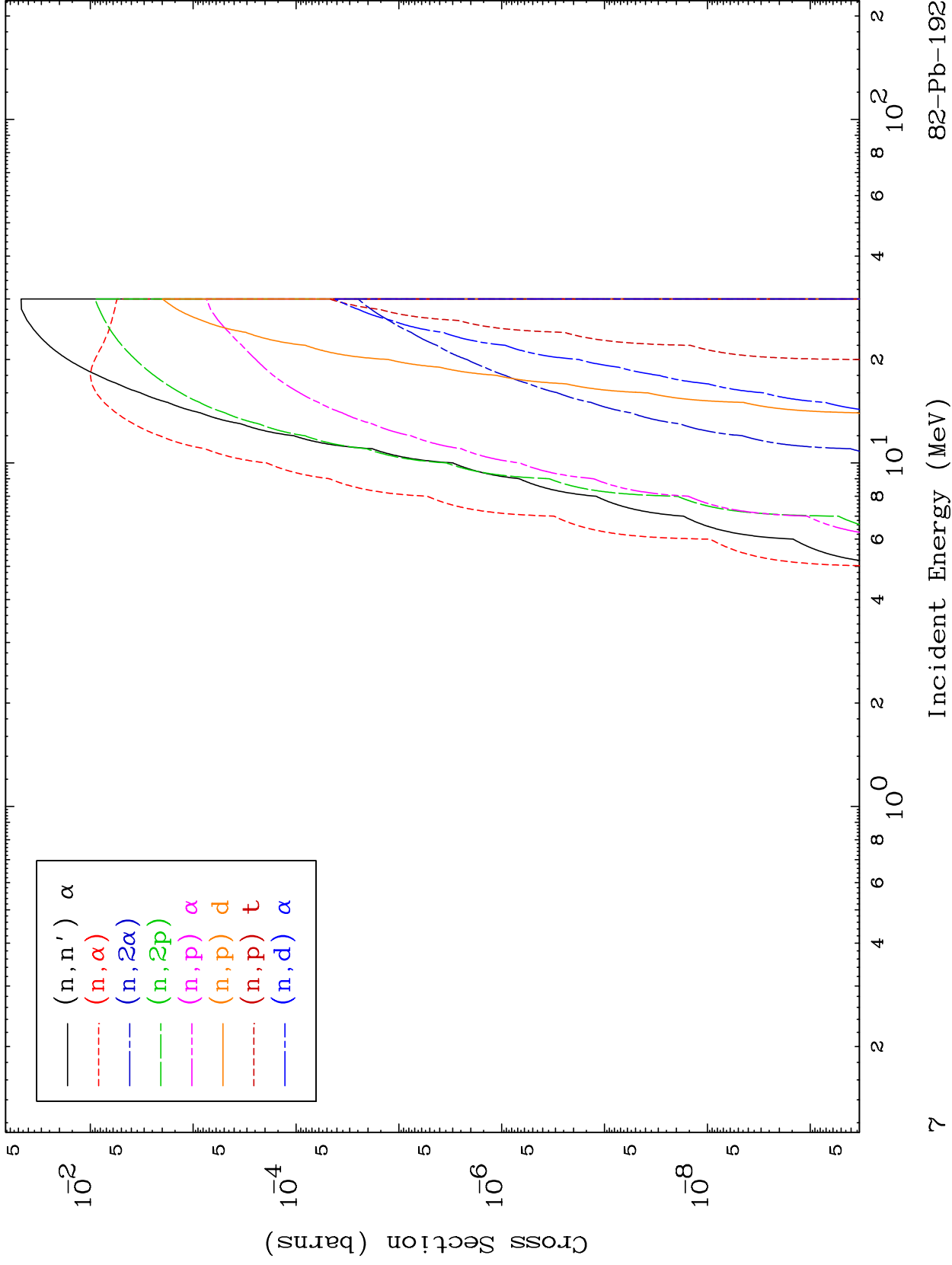




MAT 8189

Deuteron Charged Particle
0 Kelvin Cross Sections

82-Pb-192

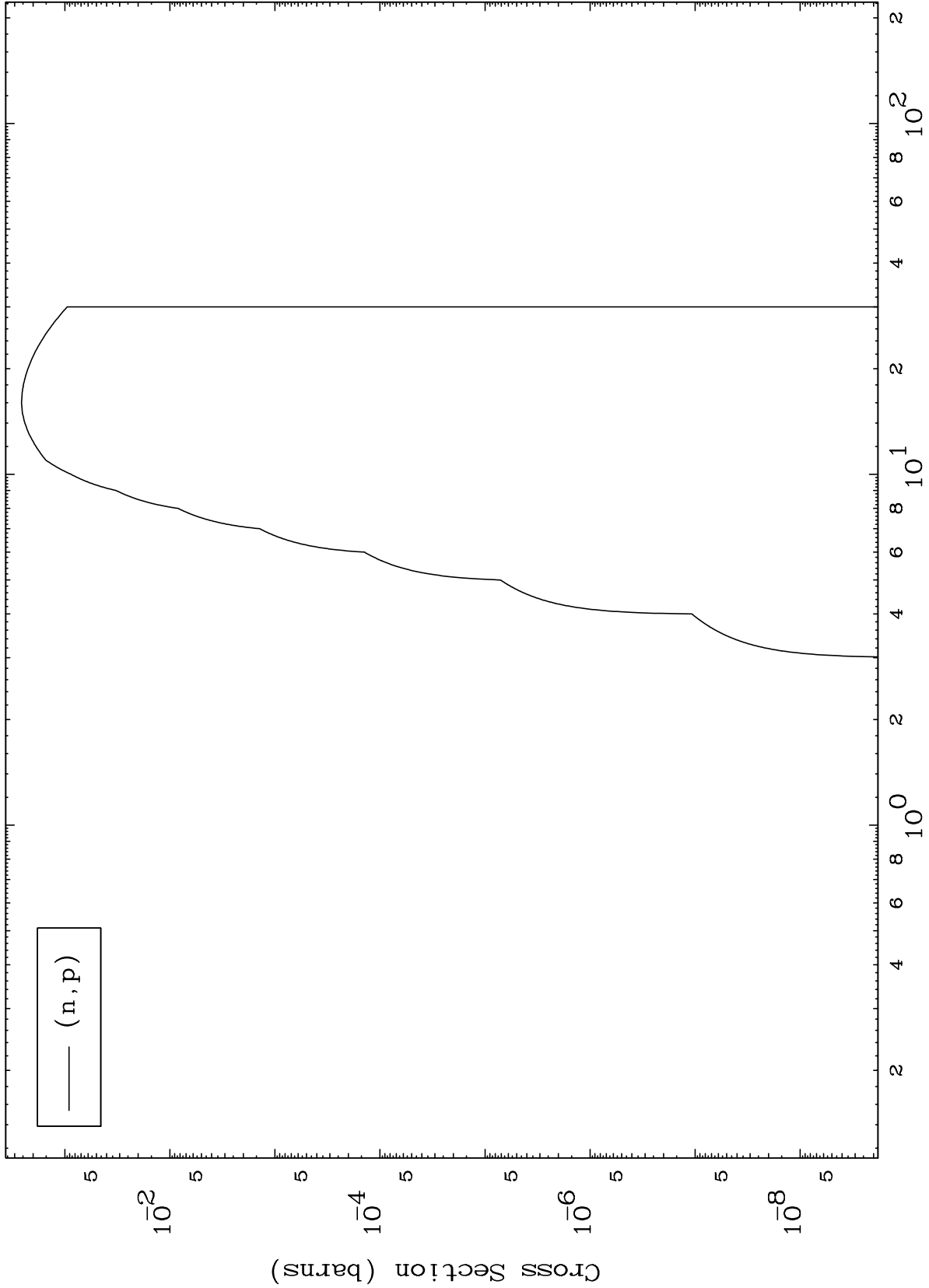


MAT 8189

(d,p) Levels

82-Pb-192

0 Kelvin Cross Sections



(n,p)

Incident Energy (MeV)

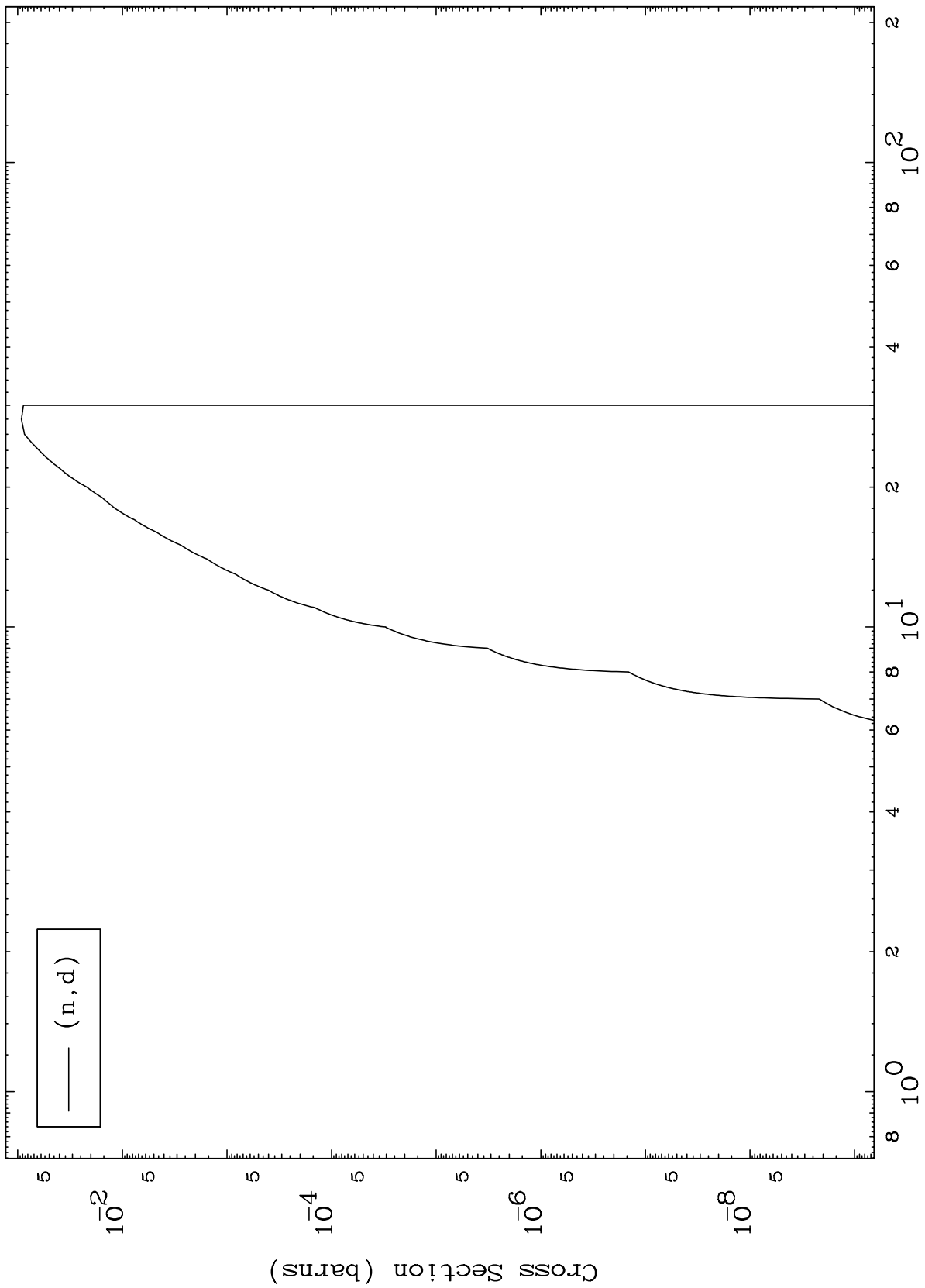
82-Pb-192

MAT 8189

(d,d) Levels

82-Pb-192

0 Kelvin Cross Sections



9

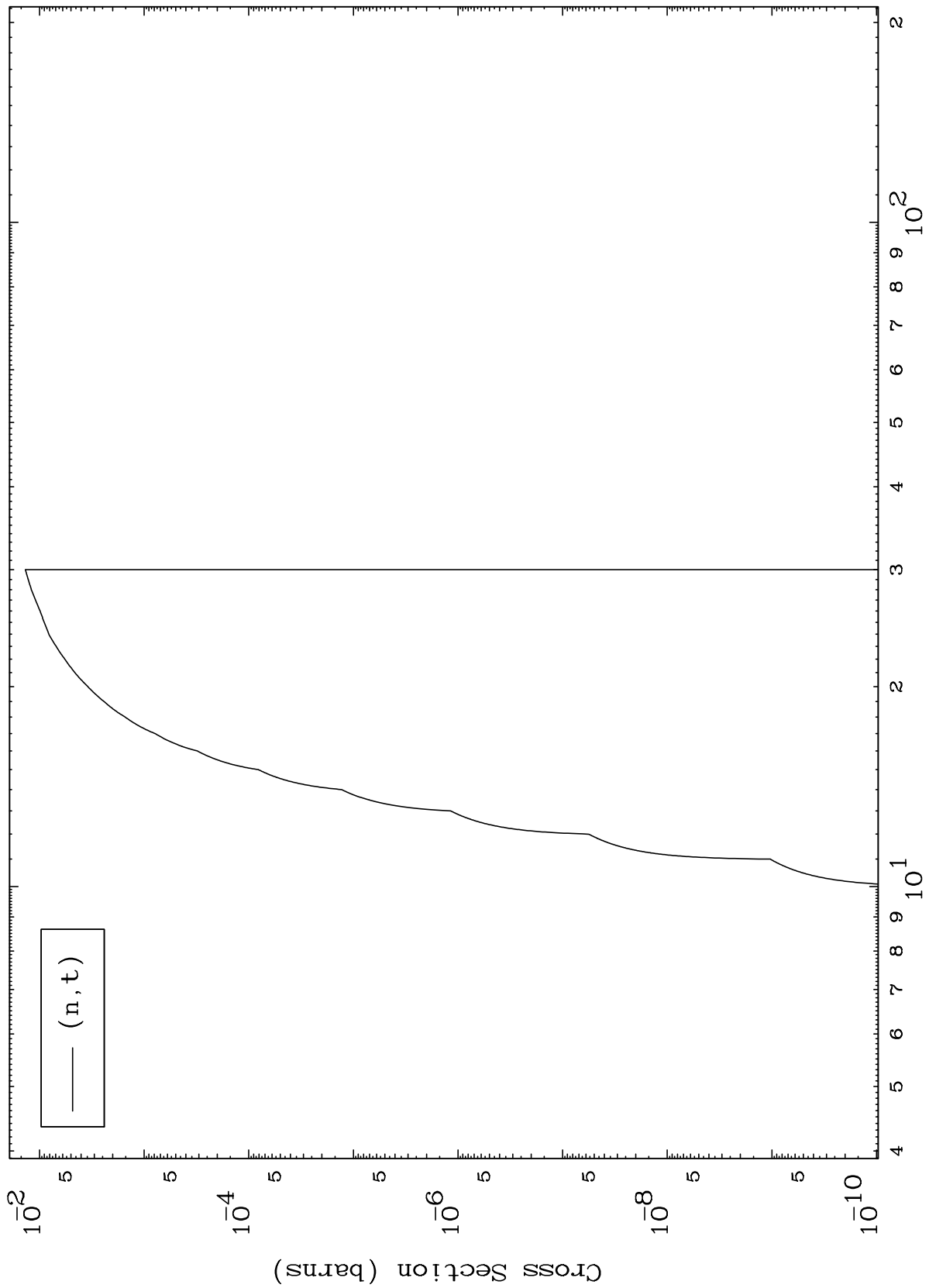
Incident Energy (MeV)

82-Pb-192

MAT 8189

(d,t) Levels
0 Kelvin Cross Sections

82-Pb-192



(n,t)

10

Incident Energy (MeV)

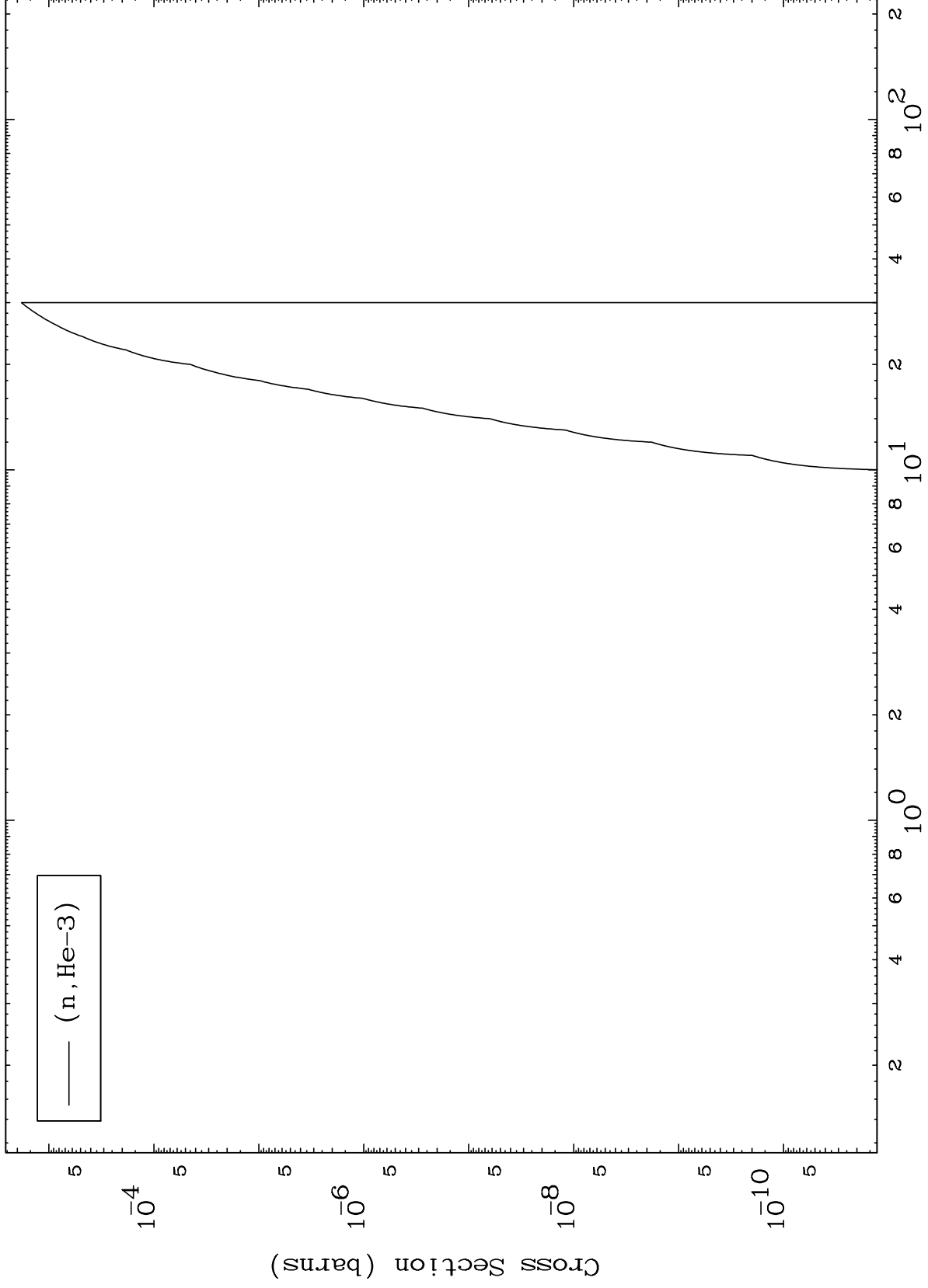
82-Pb-192

MAT 8189

(d,He3) Levels

82-Pb-192

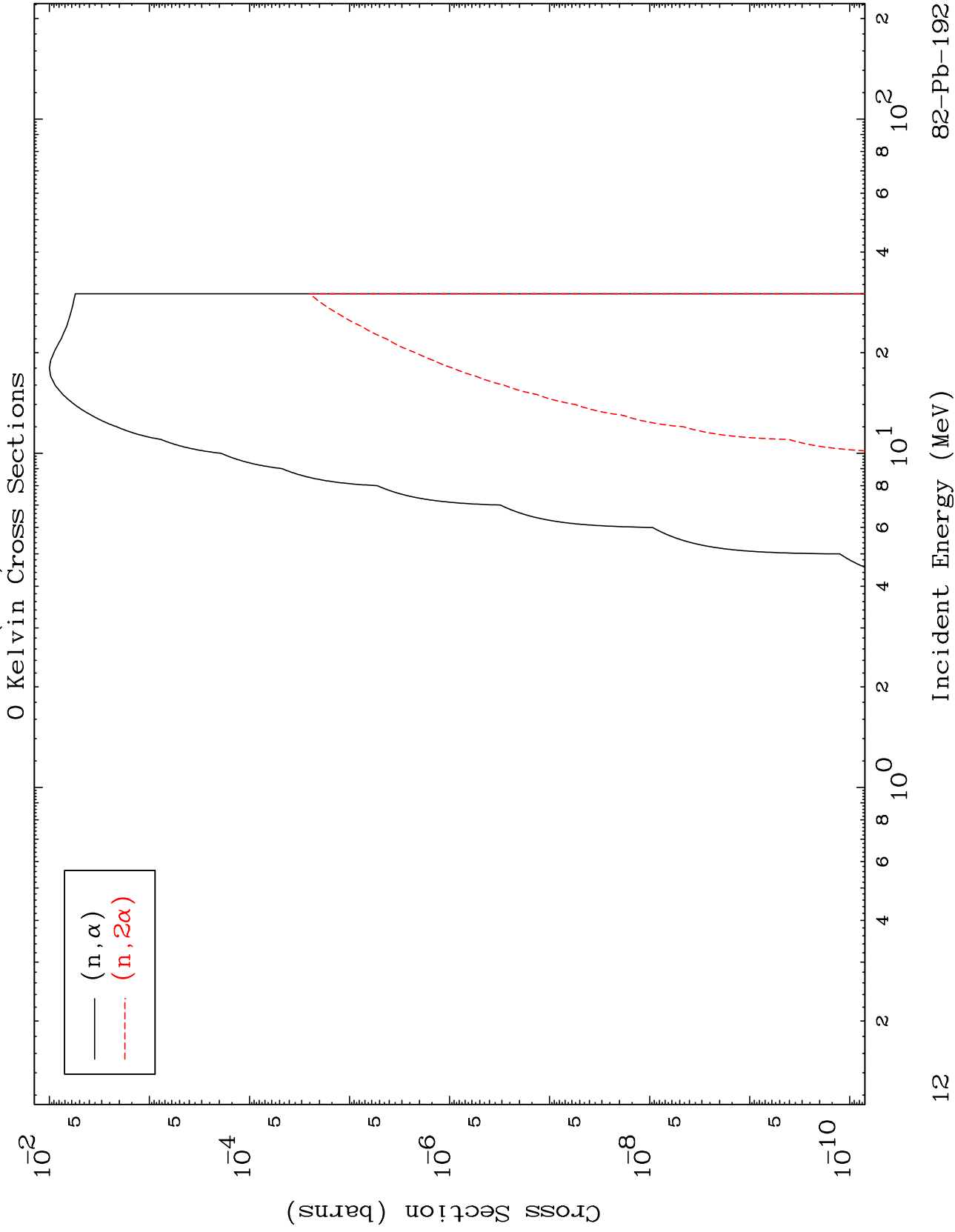
0 Kelvin Cross Sections



MAT 8189

(d, α) Levels

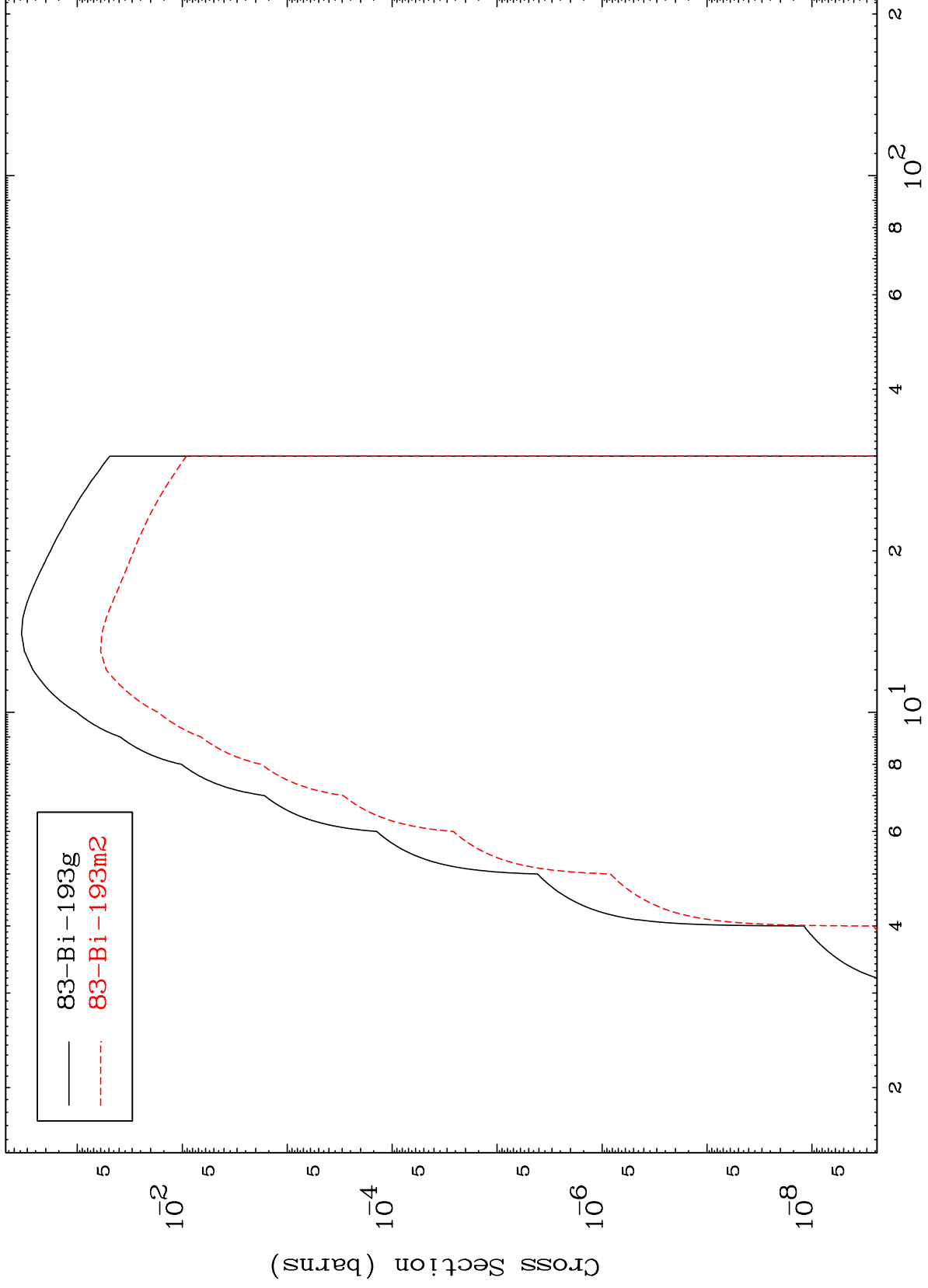
82-Pb-192



MAT 8189

Radionuclide Production Cross Section

82-Pb-192



83-Bi-193g
83-Bi-193m2

13

Incident Energy (MeV)

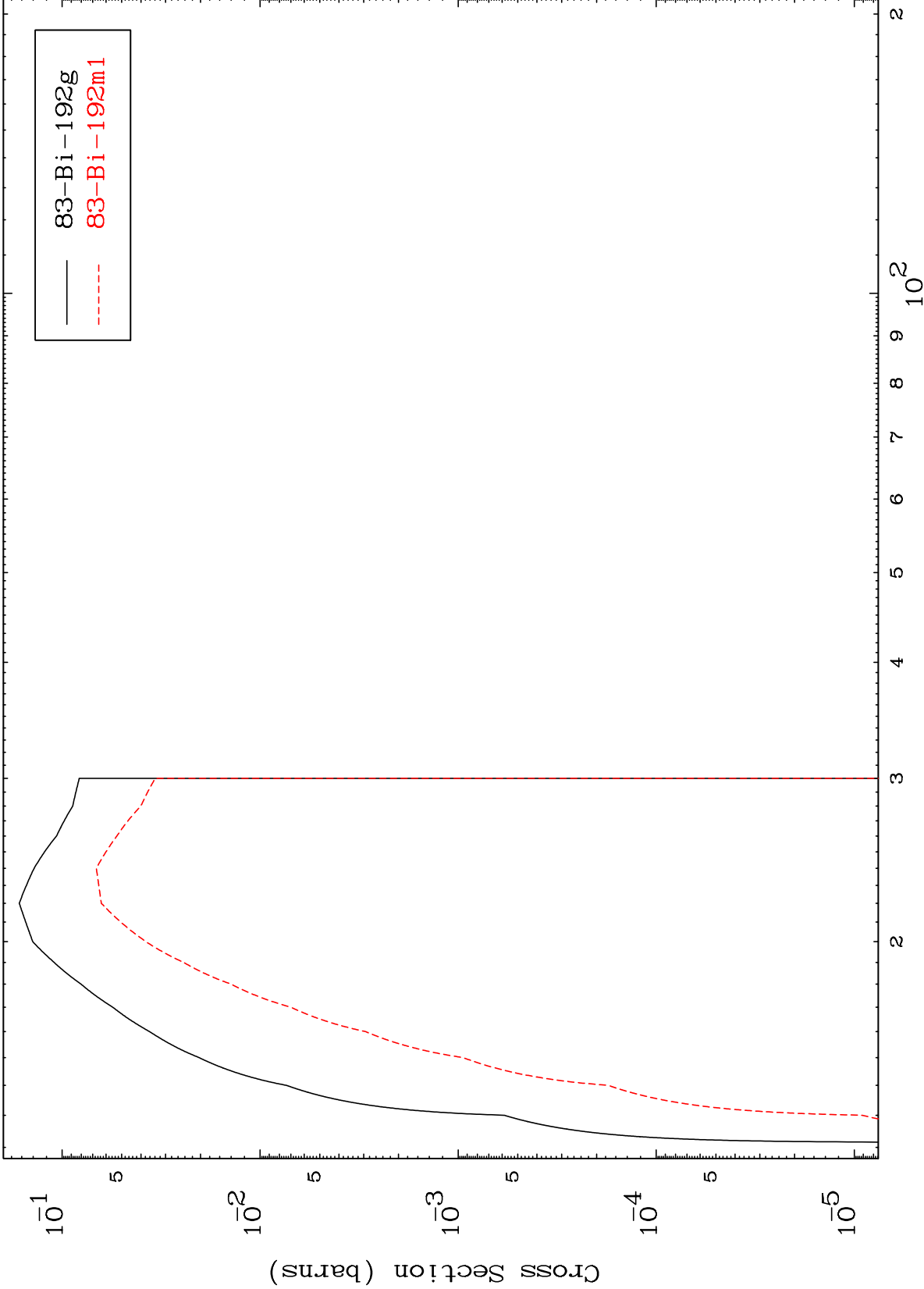
82-Pb-192

MAT 8189

(n,2n)

82-Pb-192

Radionuclide Production Cross Section



14

Incident Energy (MeV)

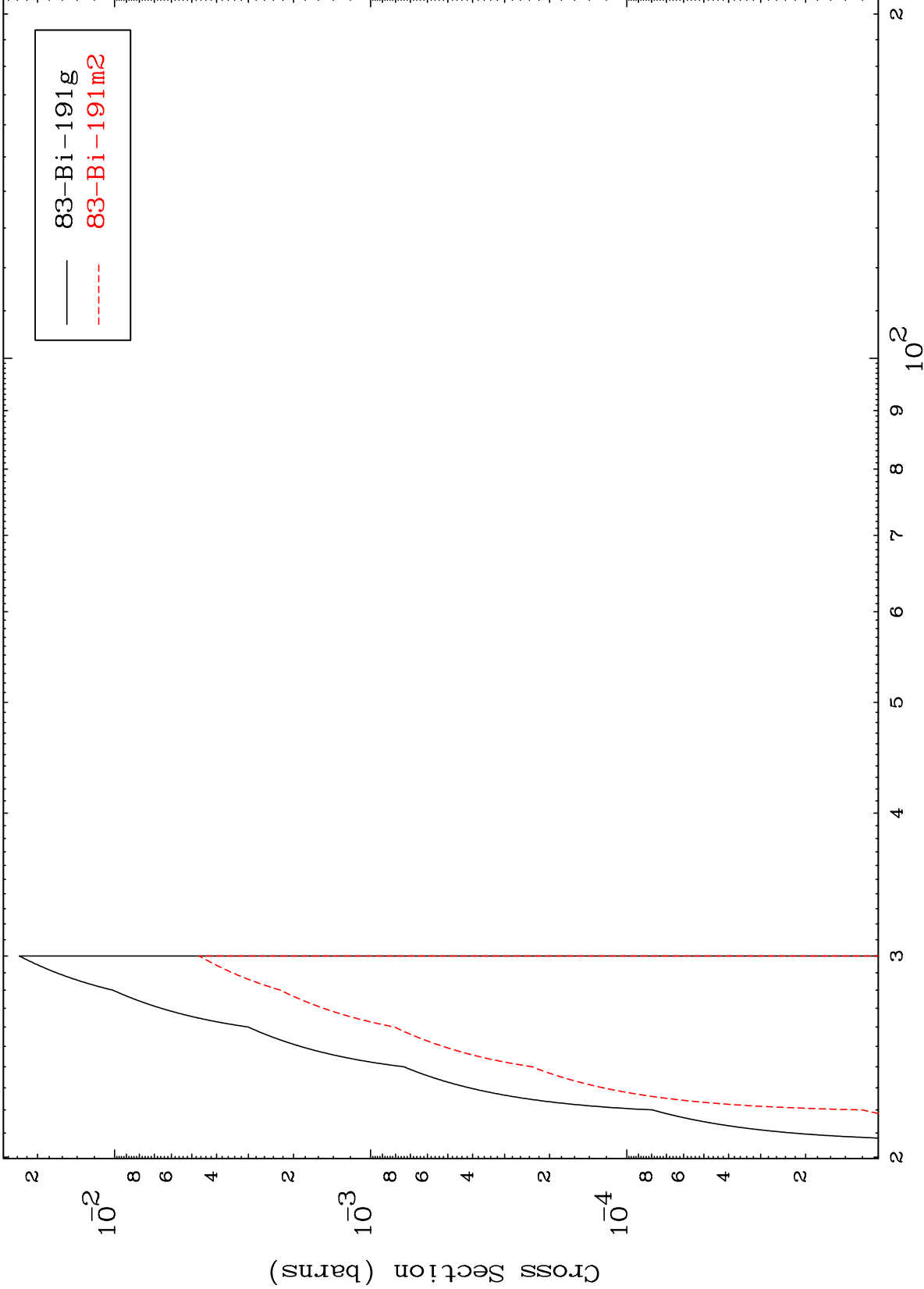
82-Pb-192

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(n,3n)

82-Pb-192

Radionuclide Production Cross Section



83-Bi-191g
83-Bi-191m2

15

Incident Energy (MeV)

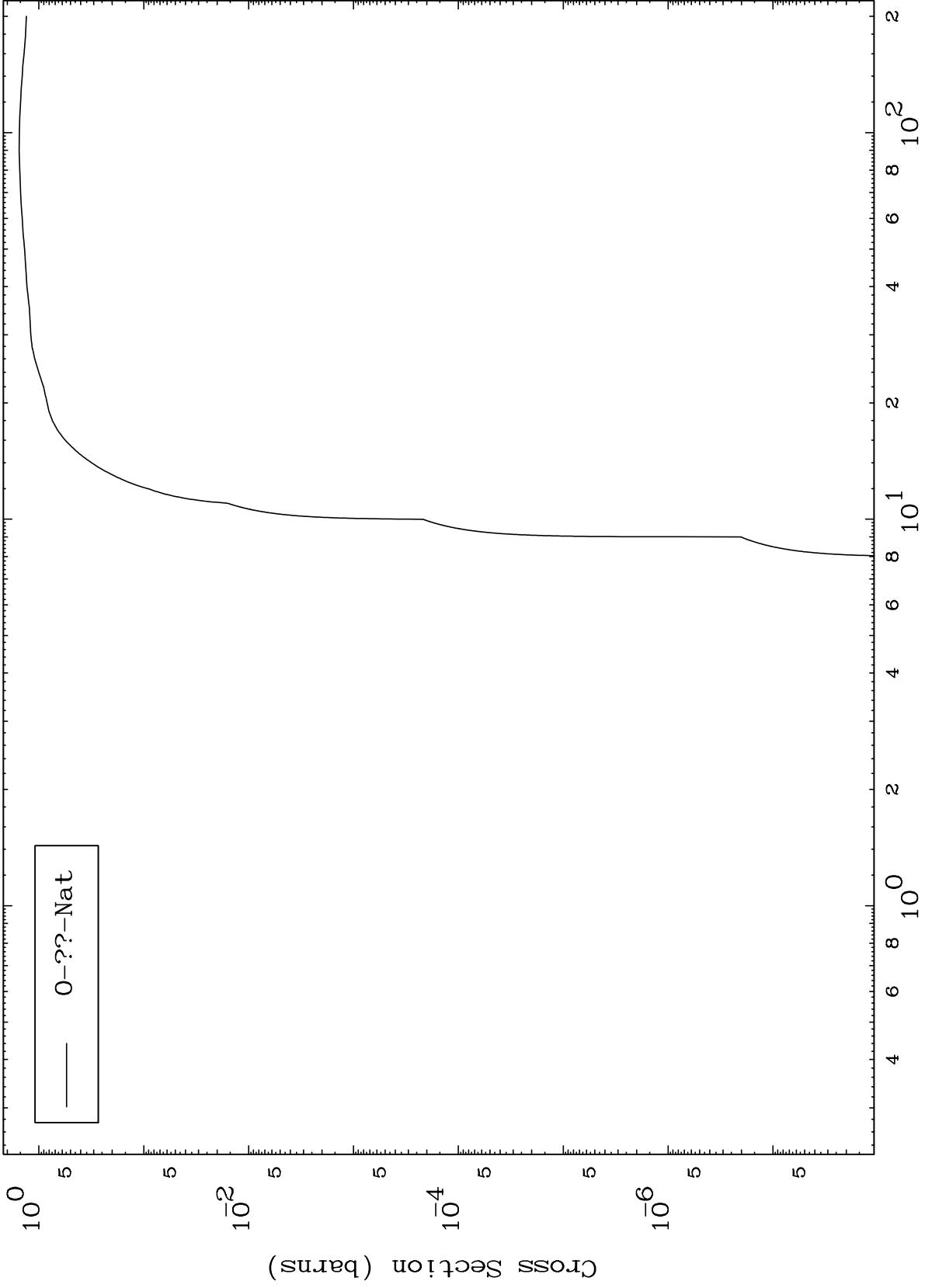
82-Pb-192

MAT 8189

Fission

82-Pb-192

Radionuclide Production Cross Section

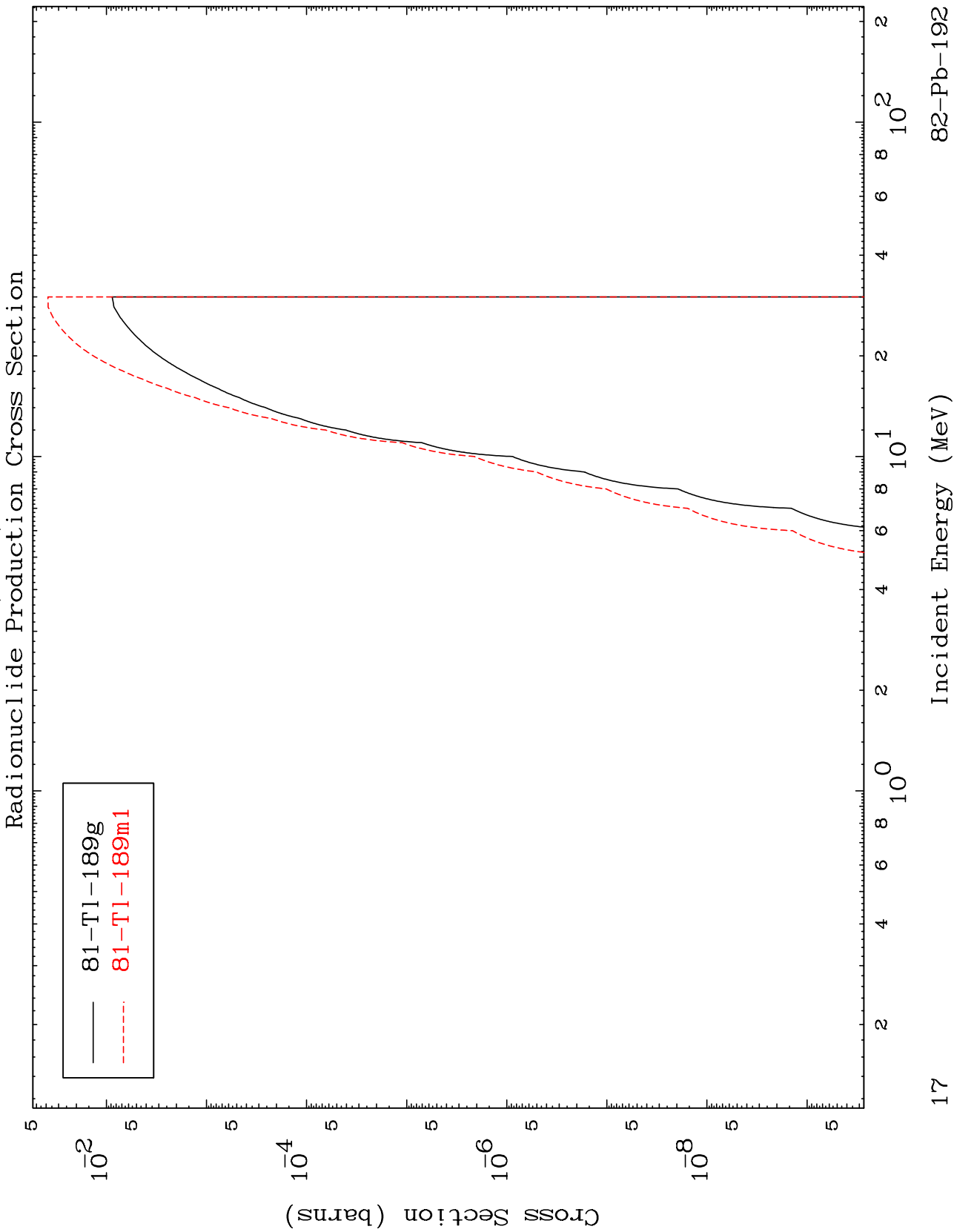


0-??-Nat

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$(n, n') \alpha$

82-Pb-192

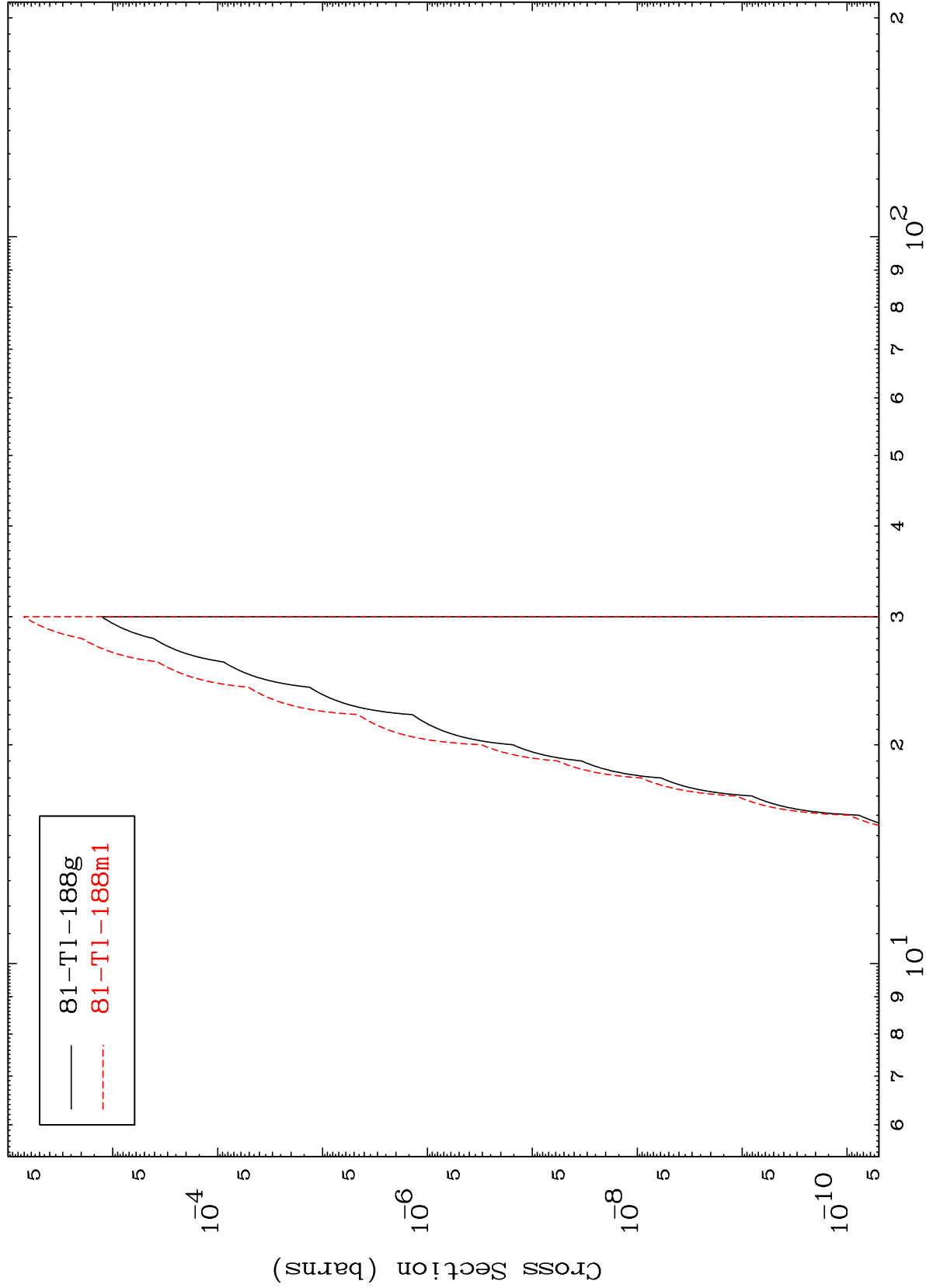


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(n,2n) α

82-Pb-192

Radionuclide Production Cross Section



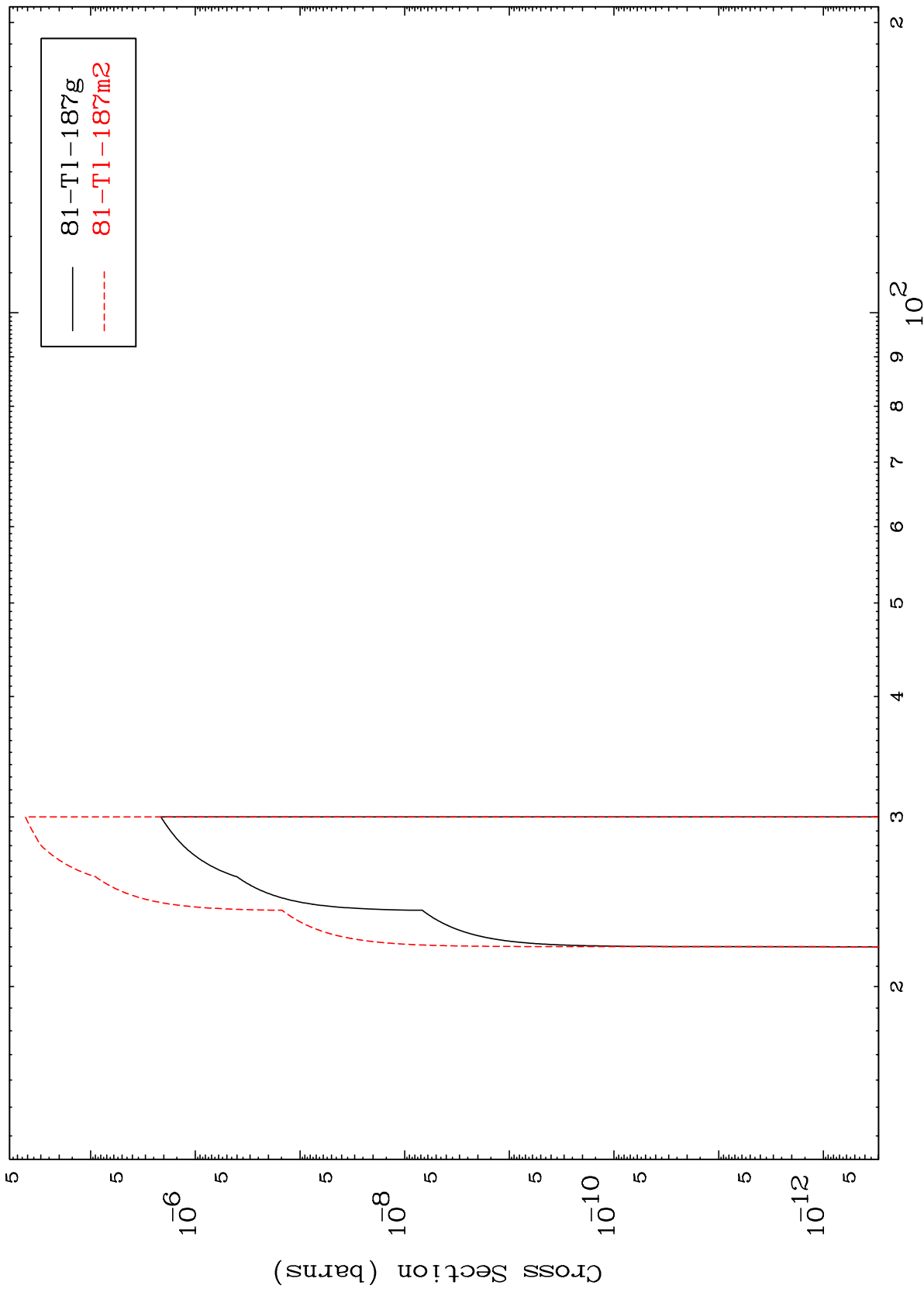
81-Tl-188g
81-Tl-188m1

18

Incident Energy (MeV)

82-Pb-192

Radionuclide Production Cross Section

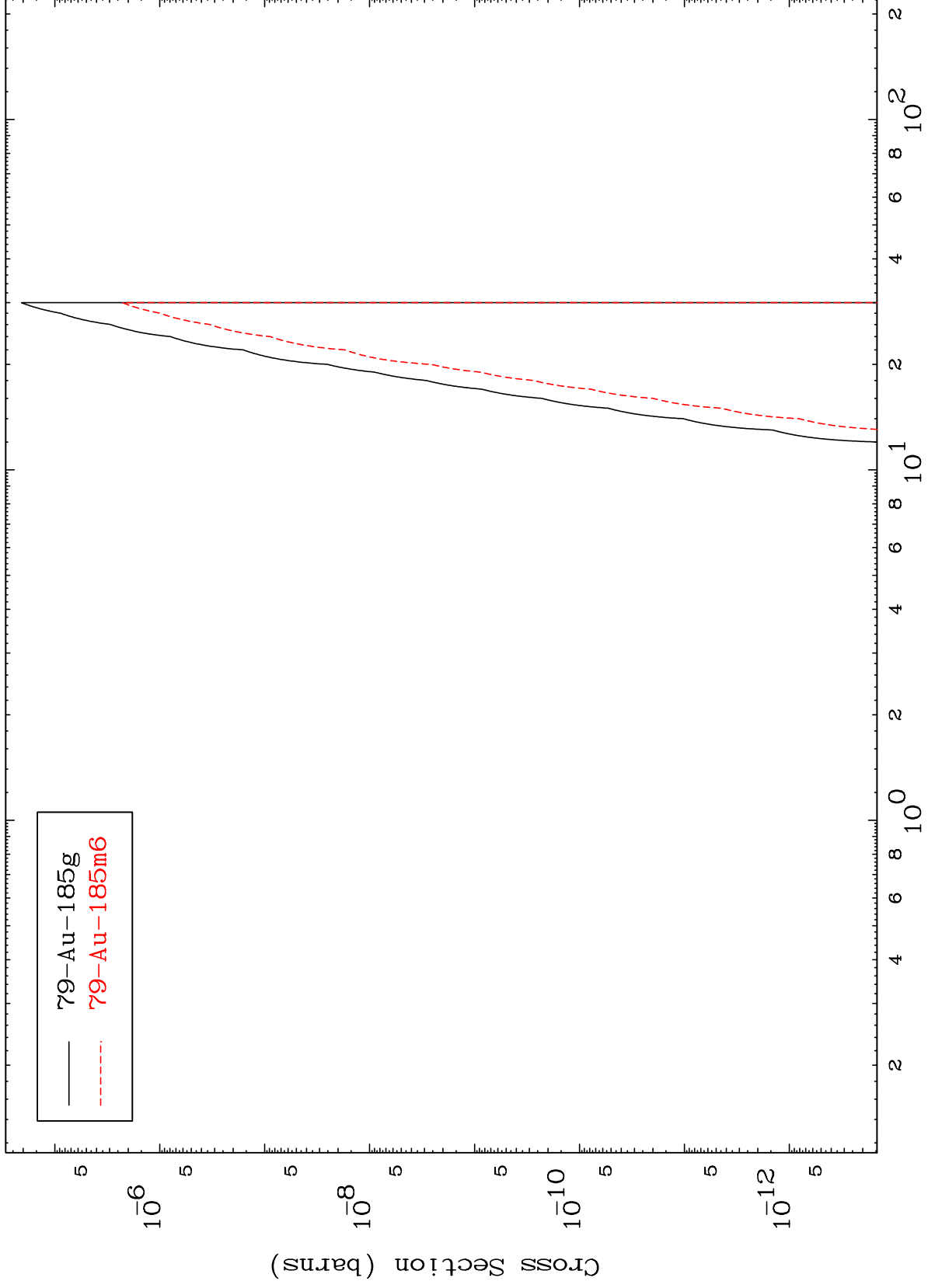


MAT 8189

(n,n') 2 α

82-Pb-192

Radionuclide Production Cross Section



20

Incident Energy (MeV)

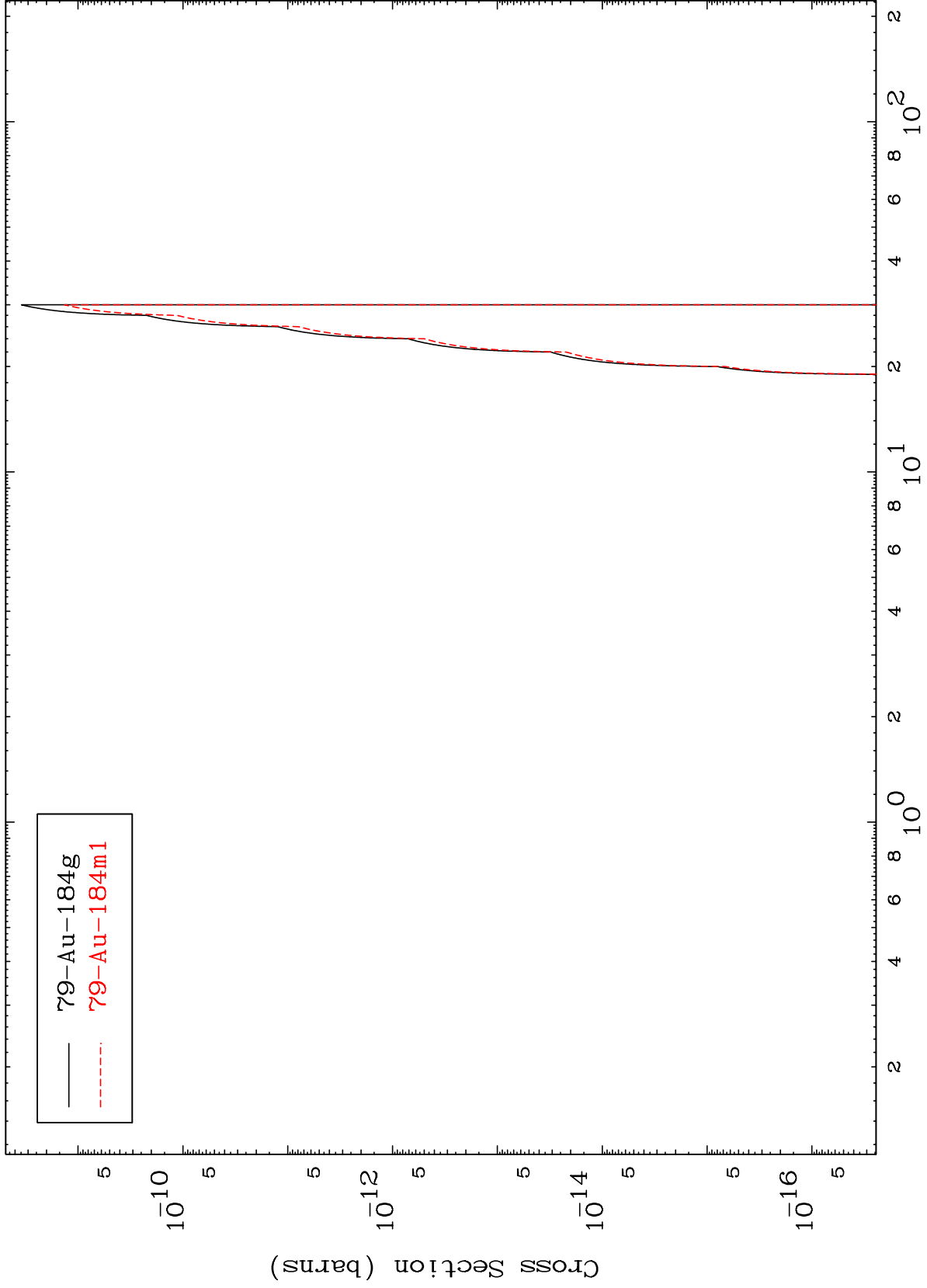
82-Pb-192

MAT 8189

(n,2n) 2 α

82-Pb-192

Radionuclide Production Cross Section

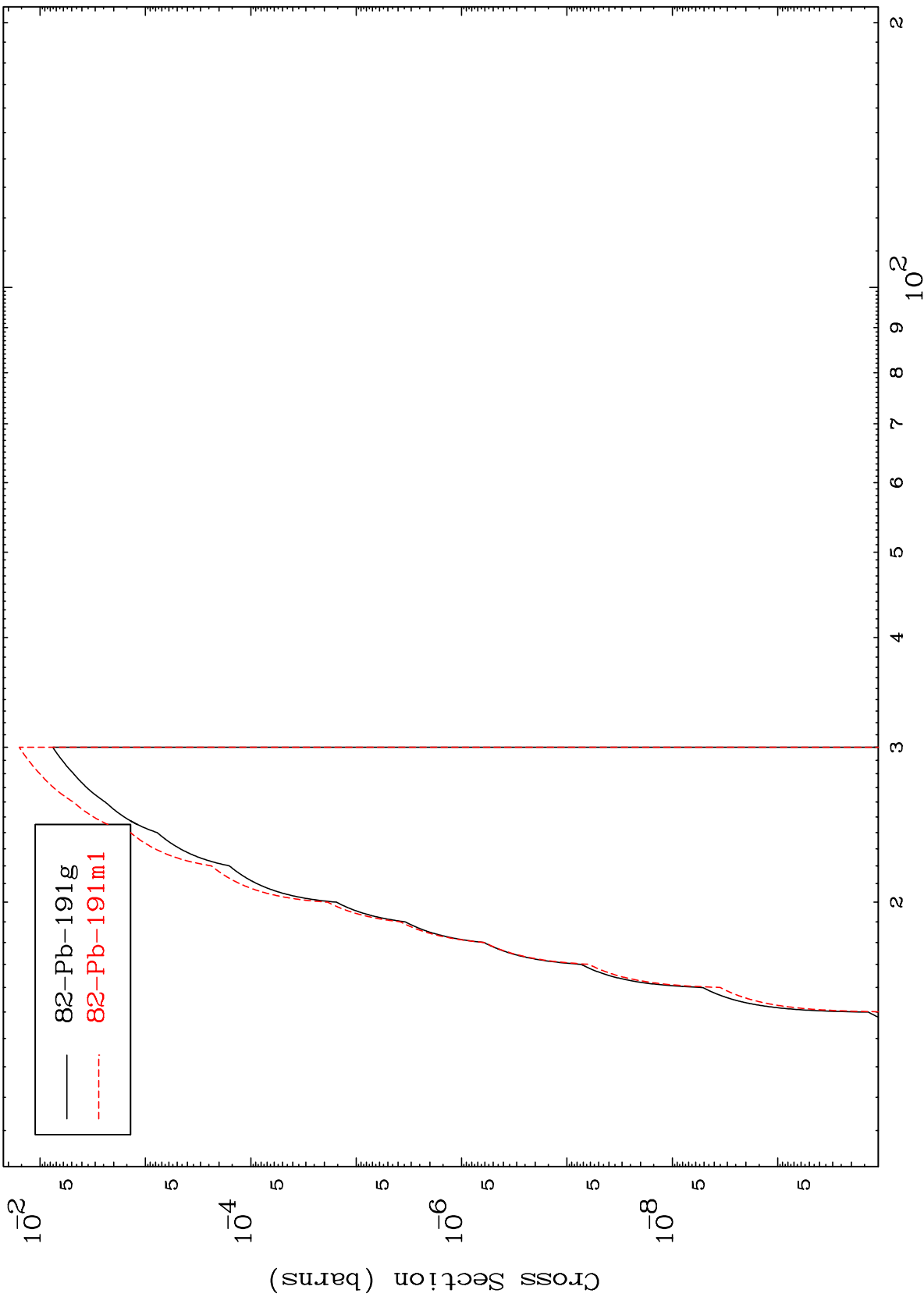


MAT 8189

(n,n') d

82-Pb-192

Radionuclide Production Cross Section

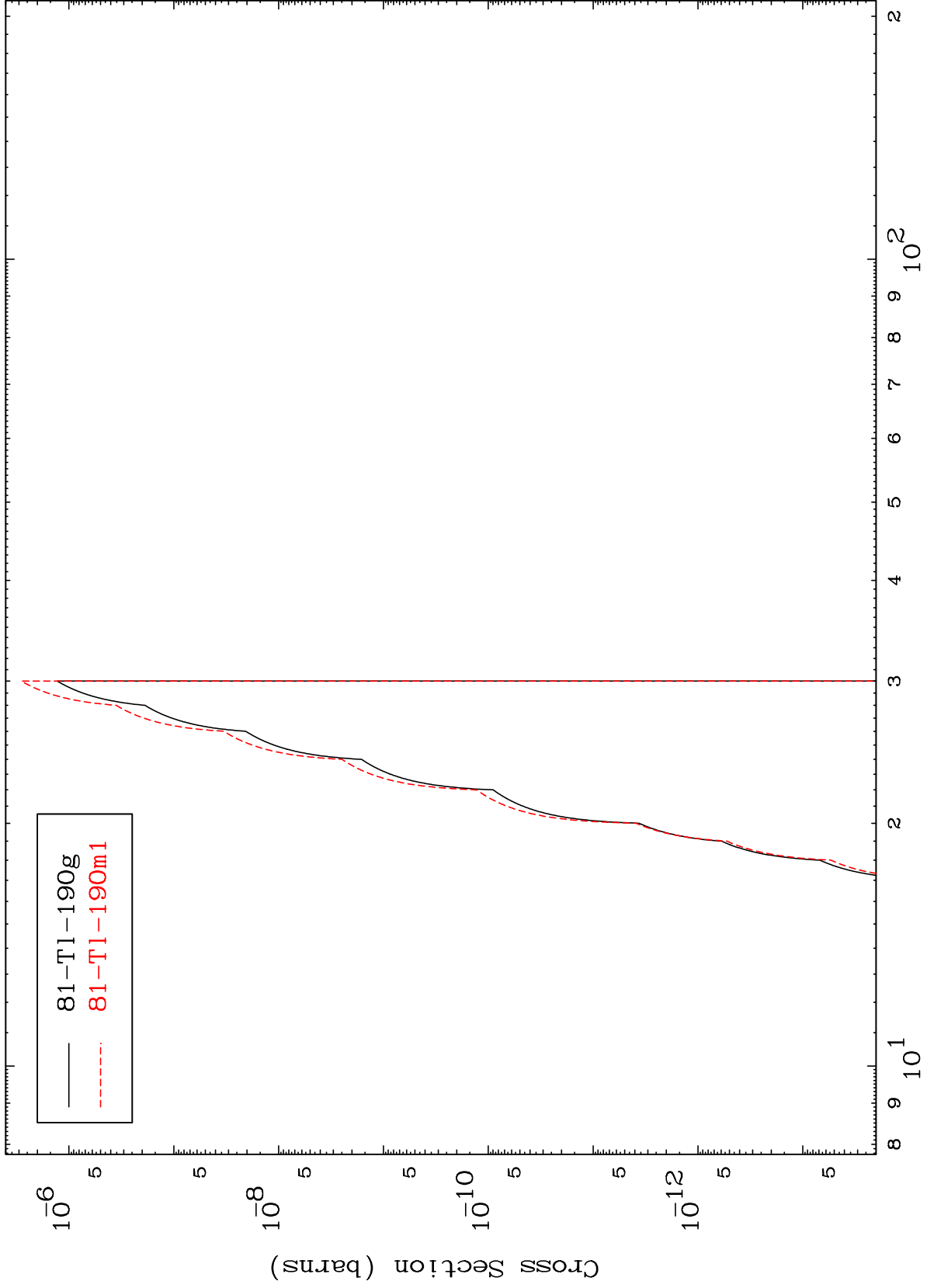


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(n,n') He-3

82-Pb-192

Radionuclide Production Cross Section



23

Incident Energy (MeV)

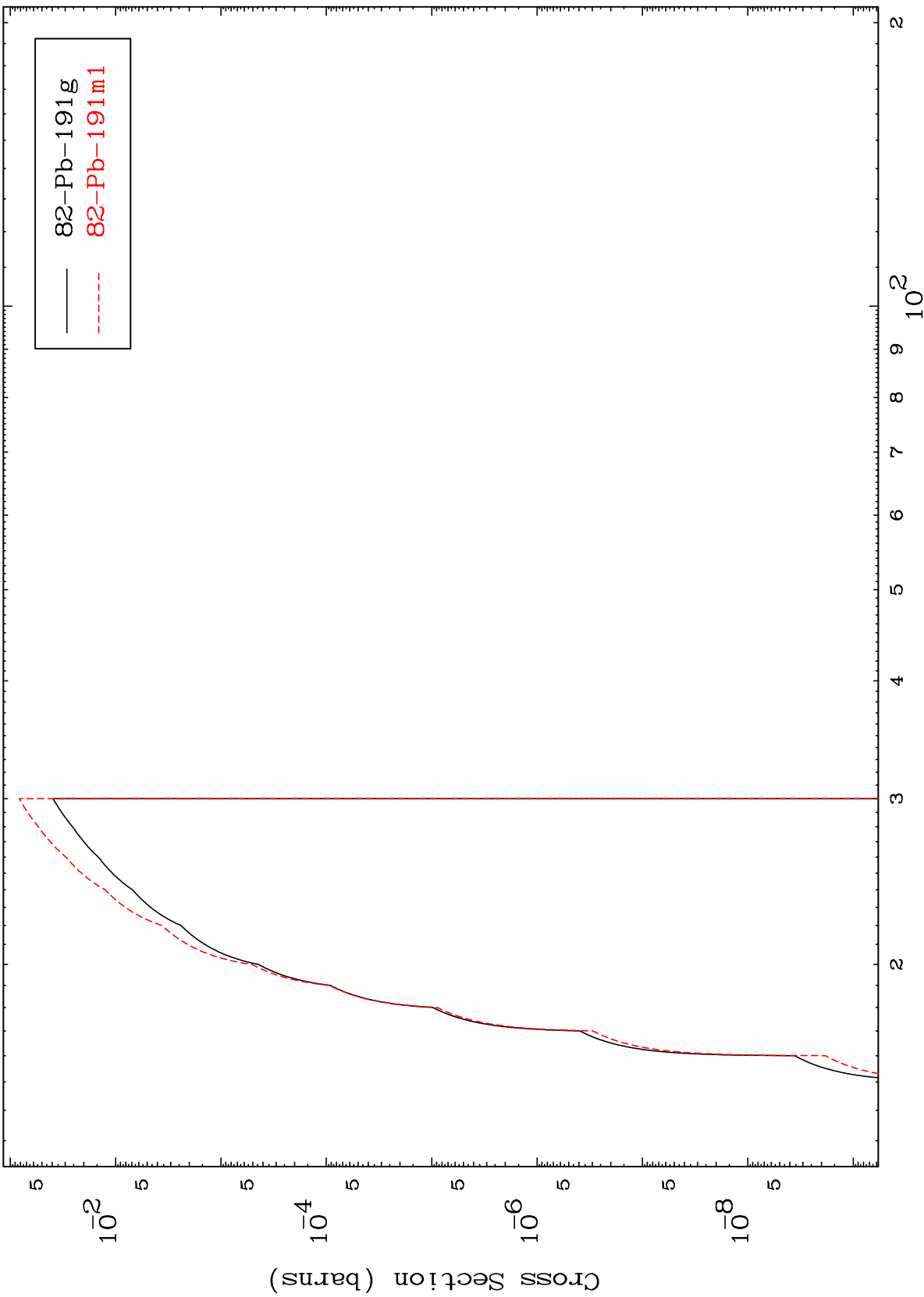
82-Pb-192

MAT 8189

(n,2n) p

82-Pb-192

Radionuclide Production Cross Section



82-Pb-191 g
82-Pb-191 m1

24

Incident Energy (MeV)

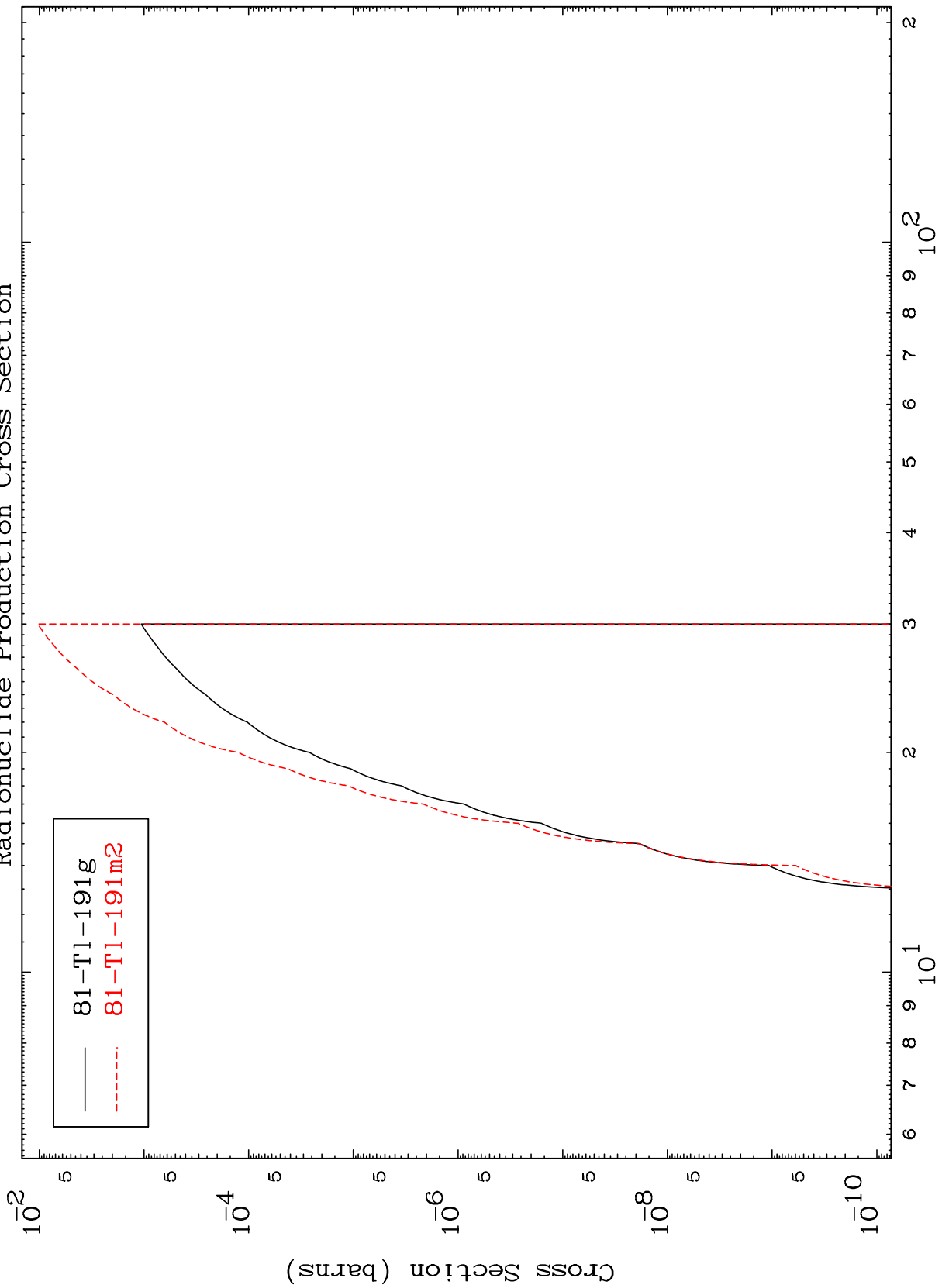
82-Pb-192

MAT 8189

(n,2n) p

82-Pb-192

Radionuclide Production Cross Section



25

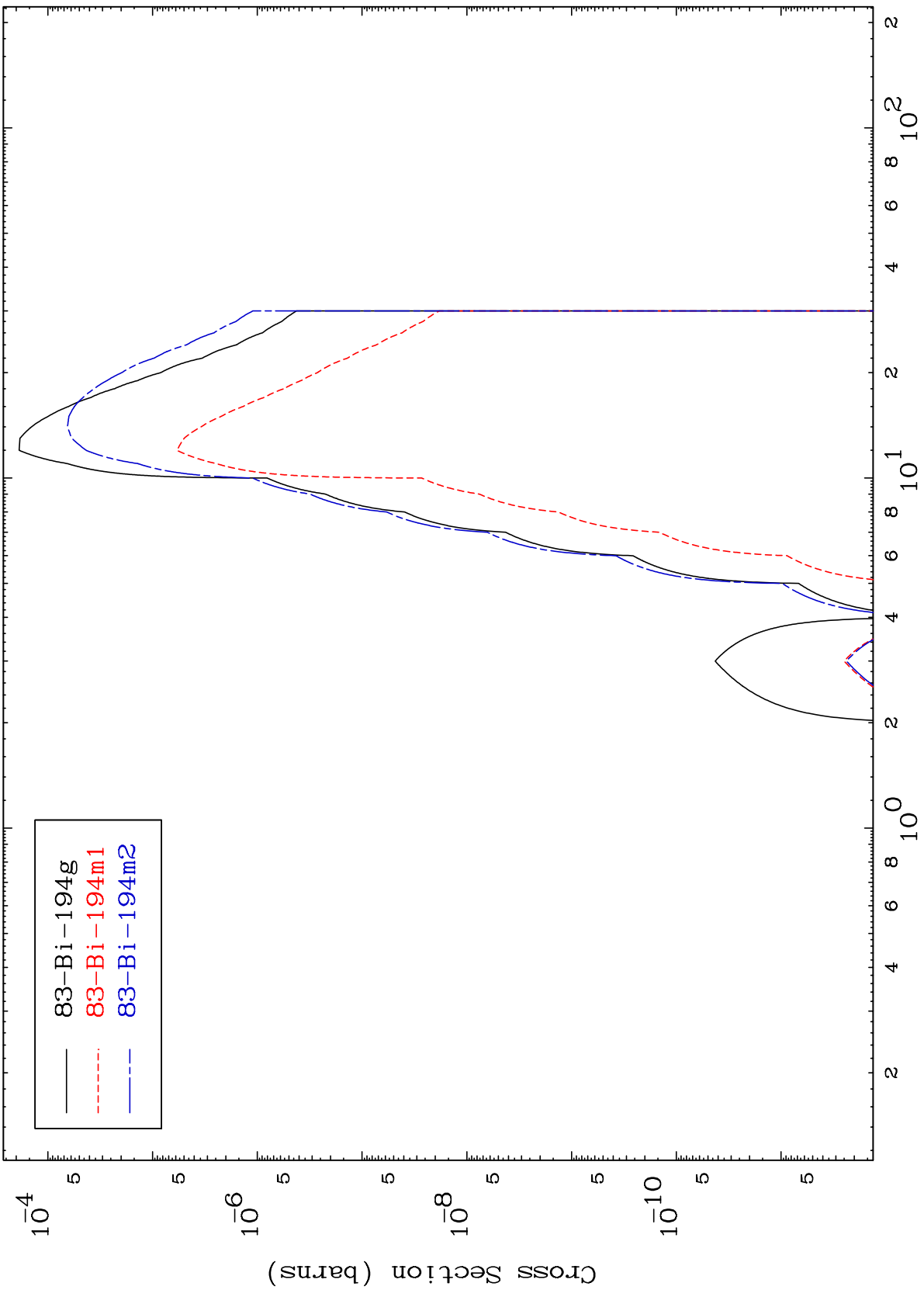
Incident Energy (MeV)

82-Pb-192

MAT 8189

82-Pb-192

(n, γ)
Radionuclide Production Cross Section



83-Bi-194g
83-Bi-194m1
83-Bi-194m2

82-Pb-192

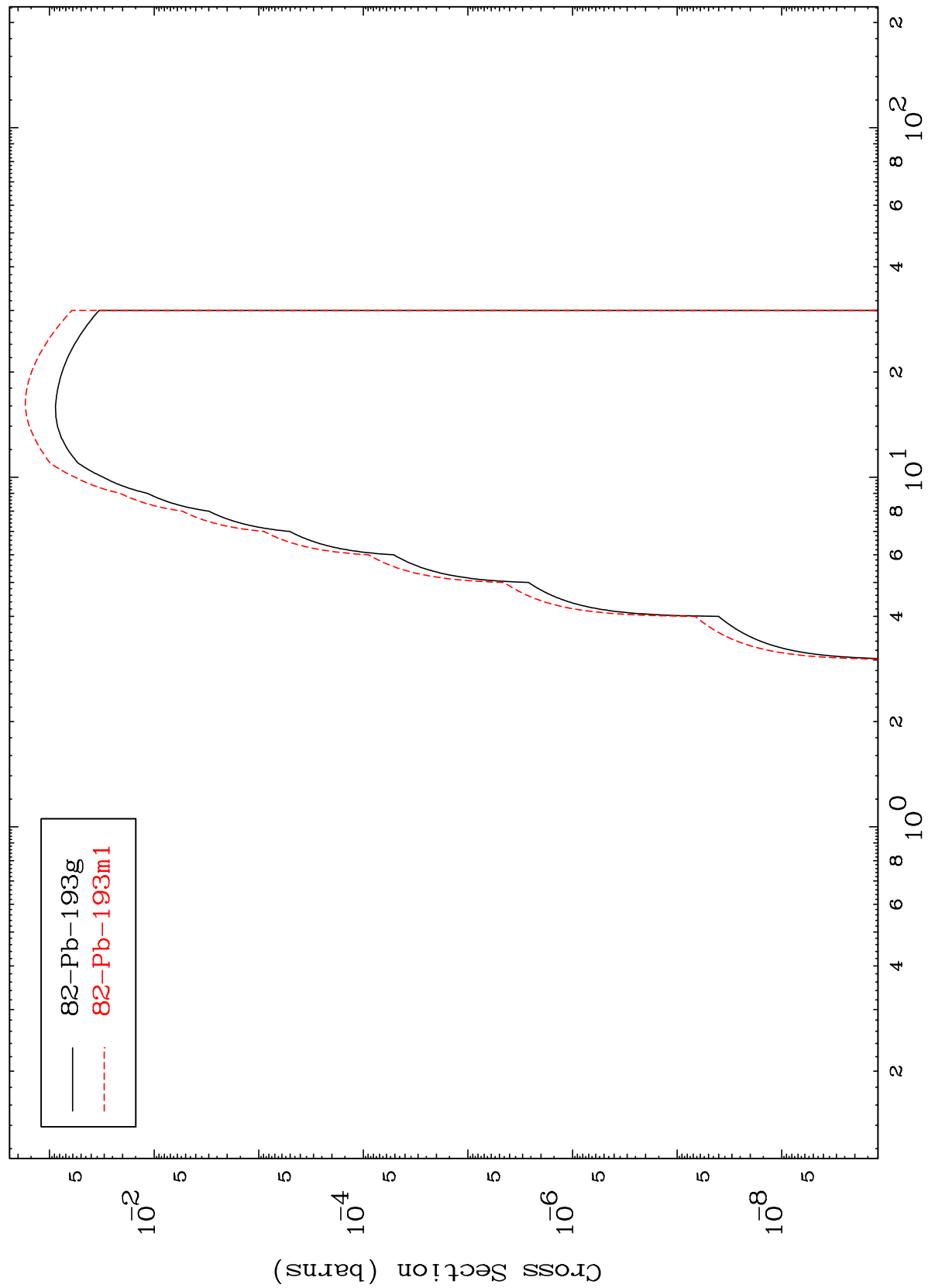
Incident Energy (MeV)

26

MAT 8189

82-Pb-192

(n,p)
Radionuclide Production Cross Section

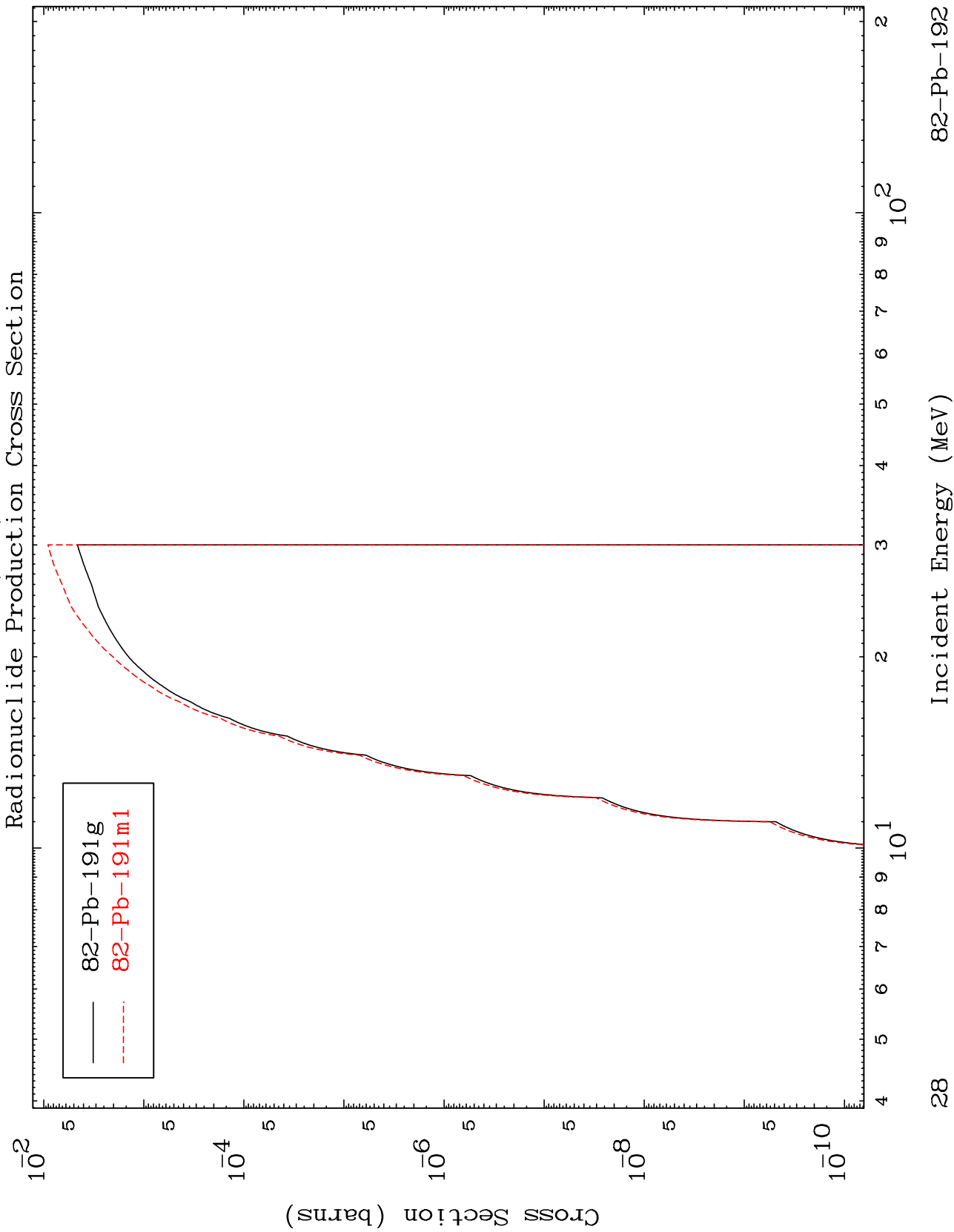


82-Pb-192

Incident Energy (MeV)

MAT 8189

82-Pb-192



28

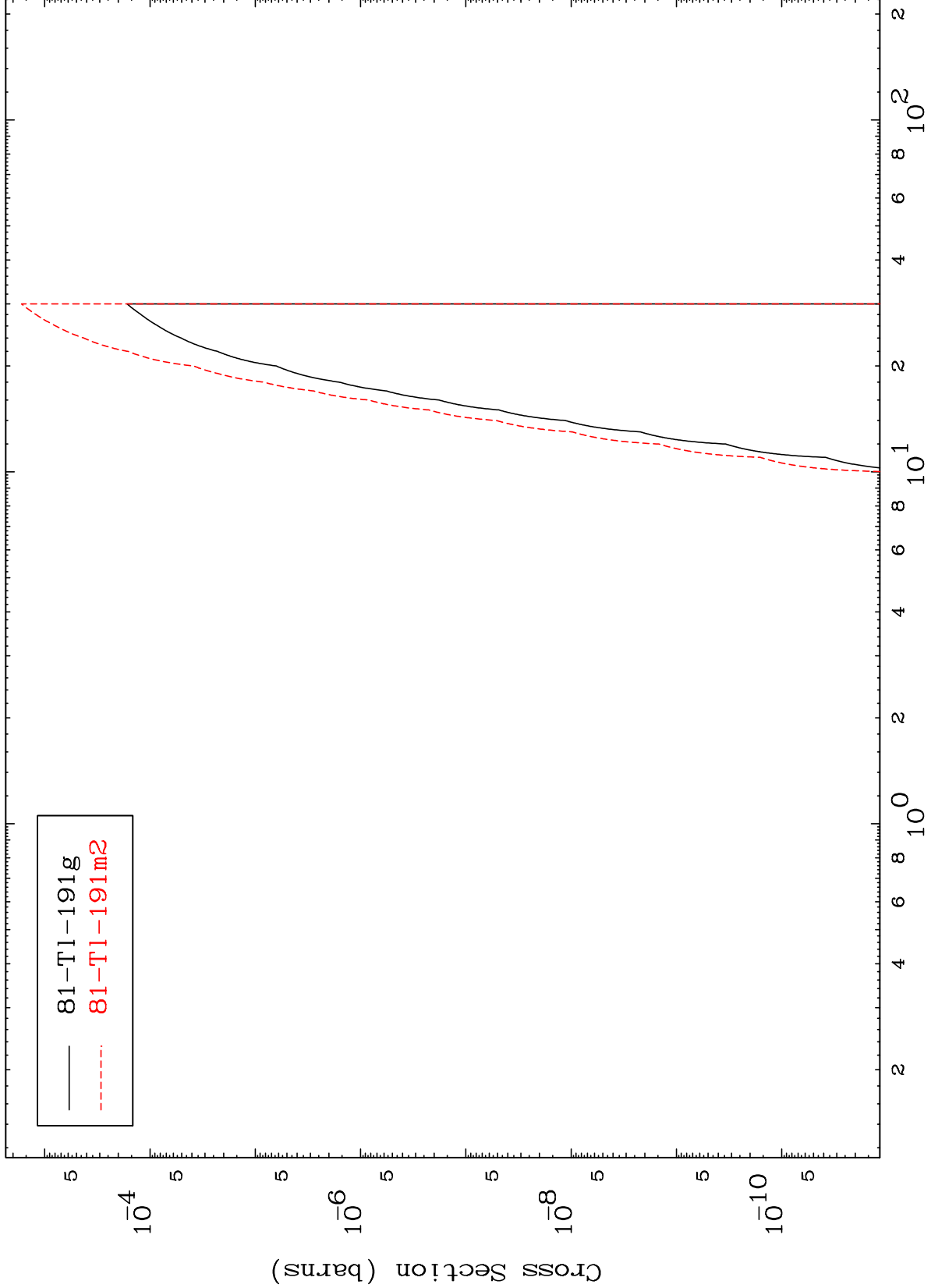
82-Pb-192

MAT 8189

(n,He-3)

82-Pb-192

Radionuclide Production Cross Section

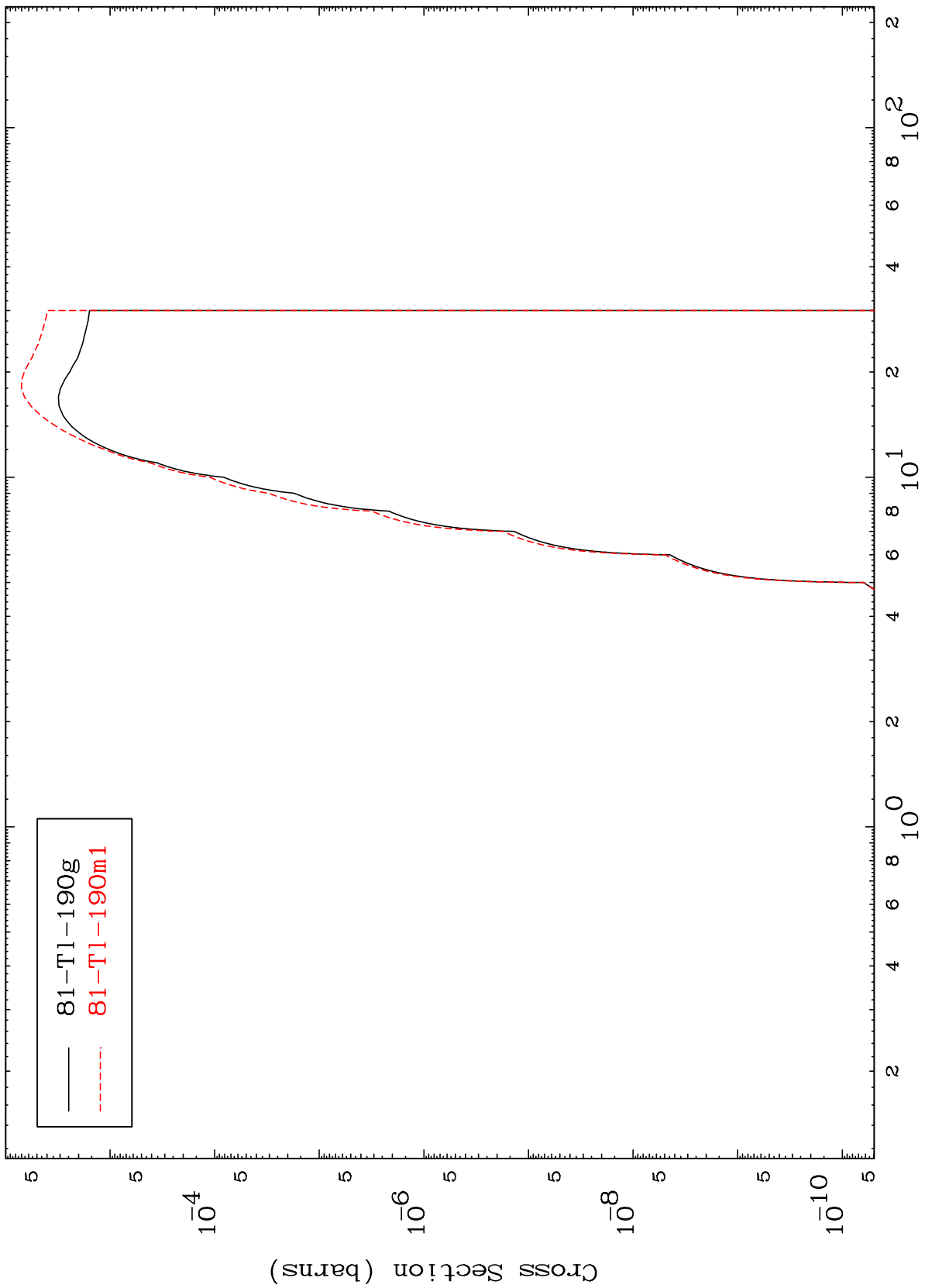


81-Tl-191g
81-Tl-191m2

MAT 8189

82-Pb-192

Radionuclide Production Cross Section
(n, α)



30

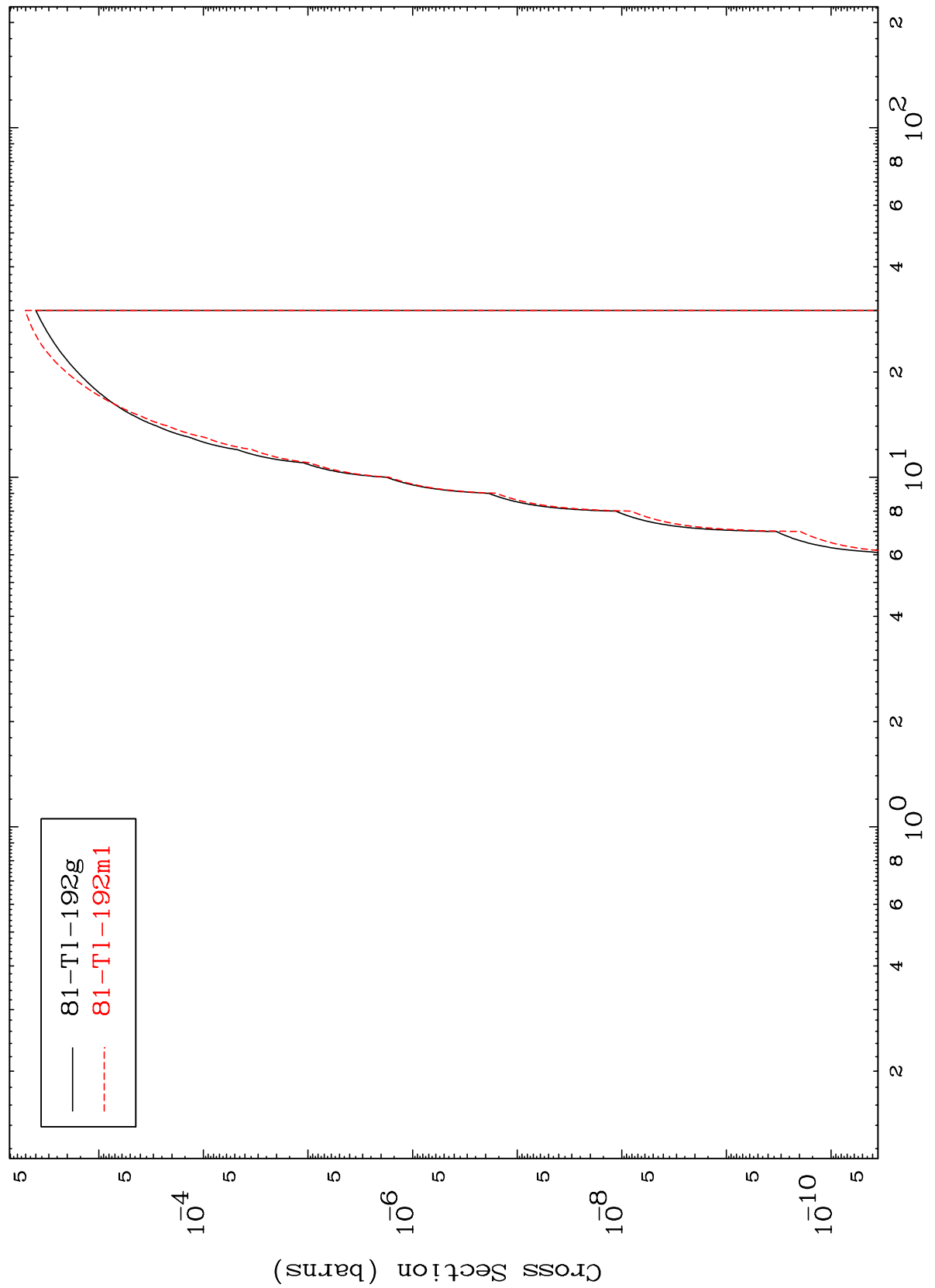
82-Pb-192

Incident Energy (MeV)

MAT 8189

82-Pb-192

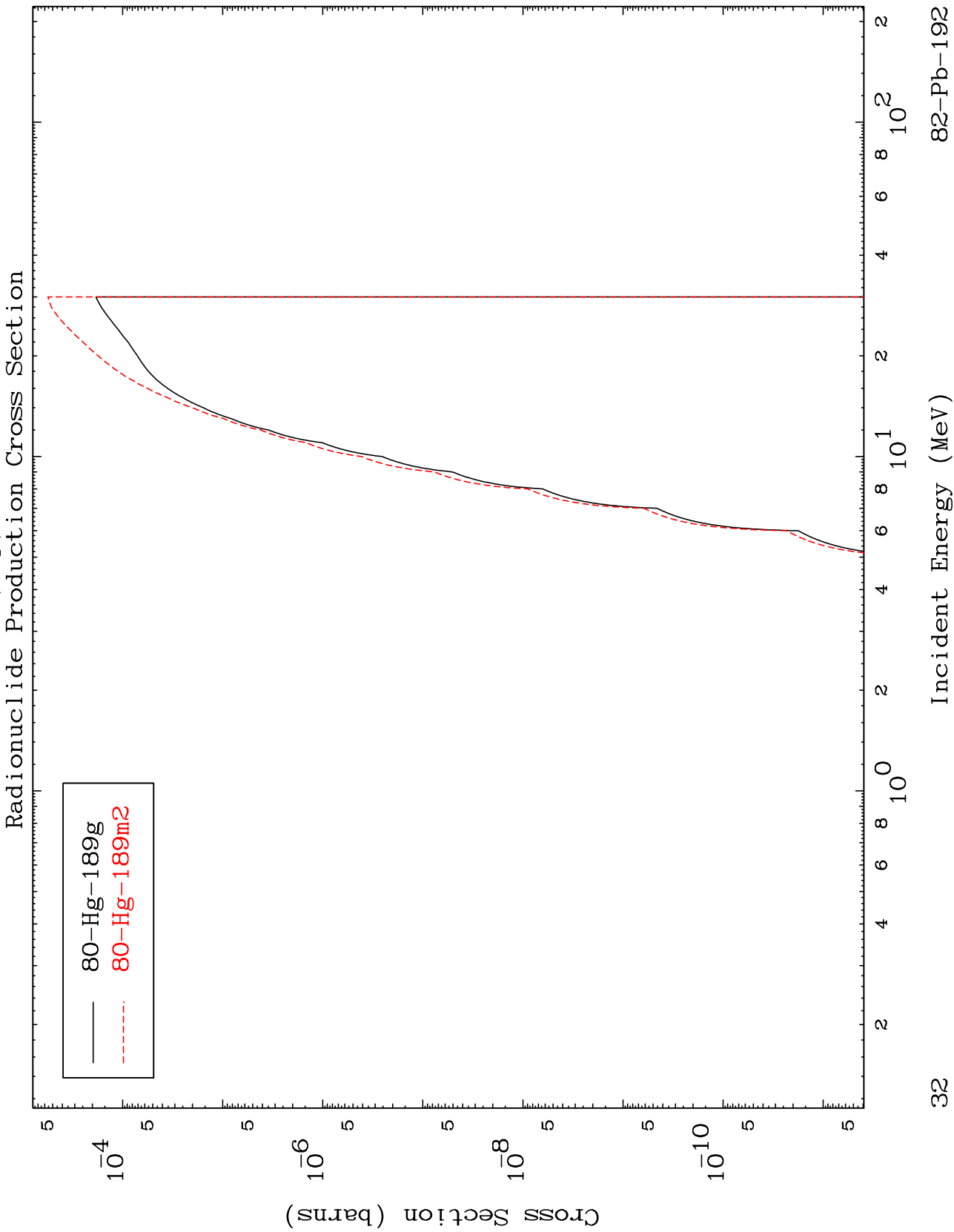
(n,2p)
Radionuclide Production Cross Section



MAT 8189

(n,p) α

82-Pb-192

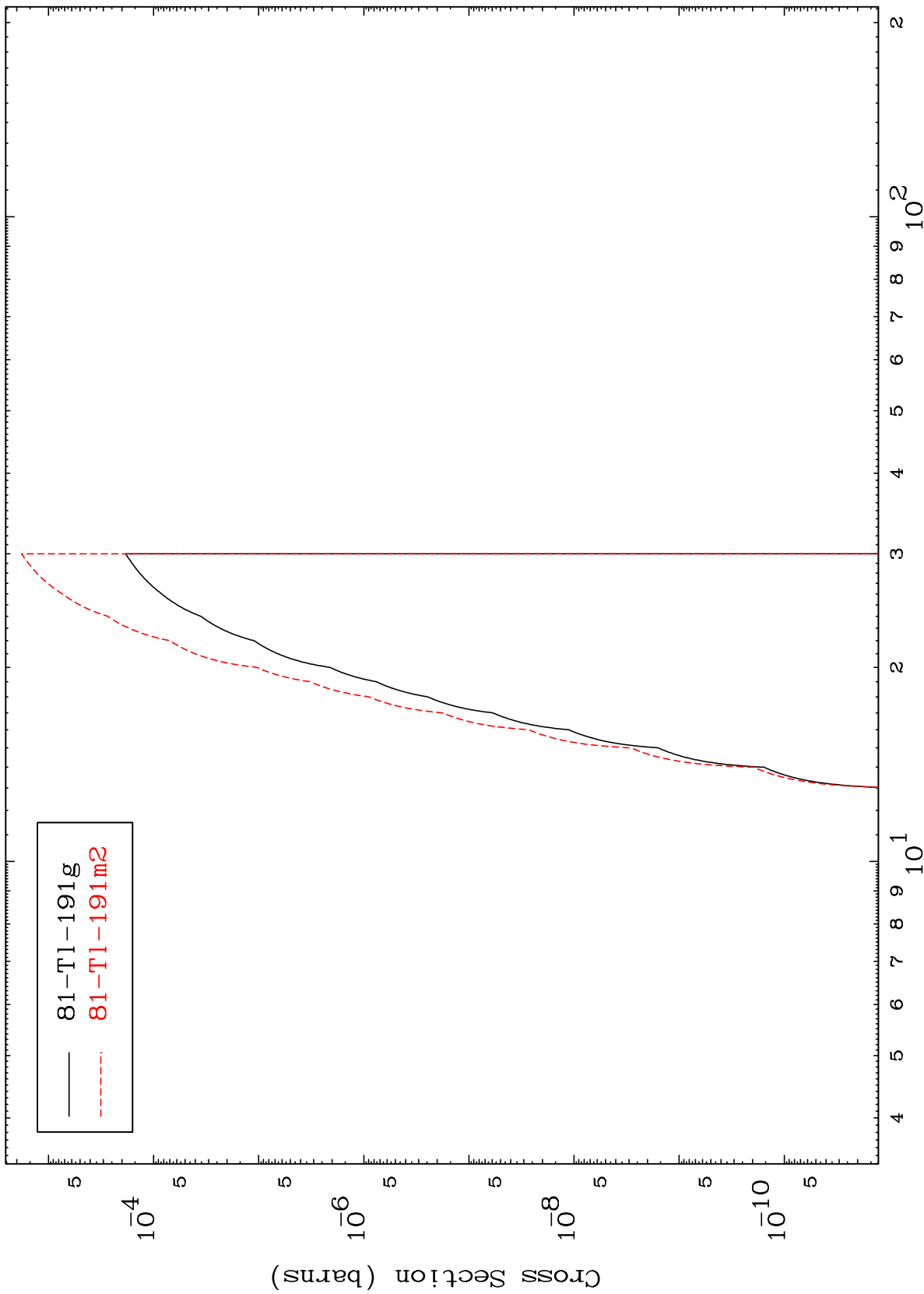


MAT 8189

(n,p) d

82-Pb-192

Radionuclide Production Cross Section

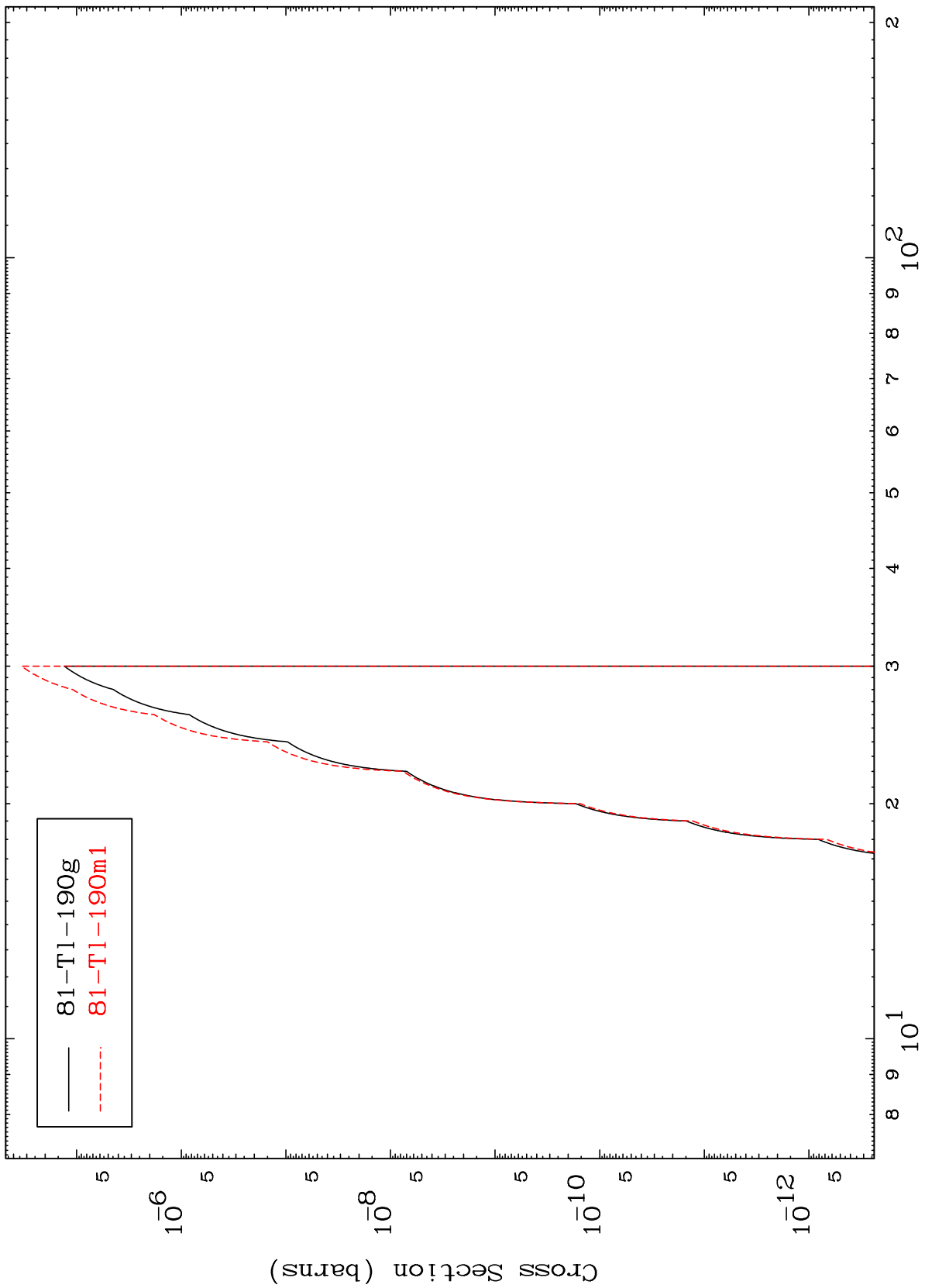


MAT 8189

(n,p) t

82-Pb-192

Radionuclide Production Cross Section



34

Incident Energy (MeV)

82-Pb-192