

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

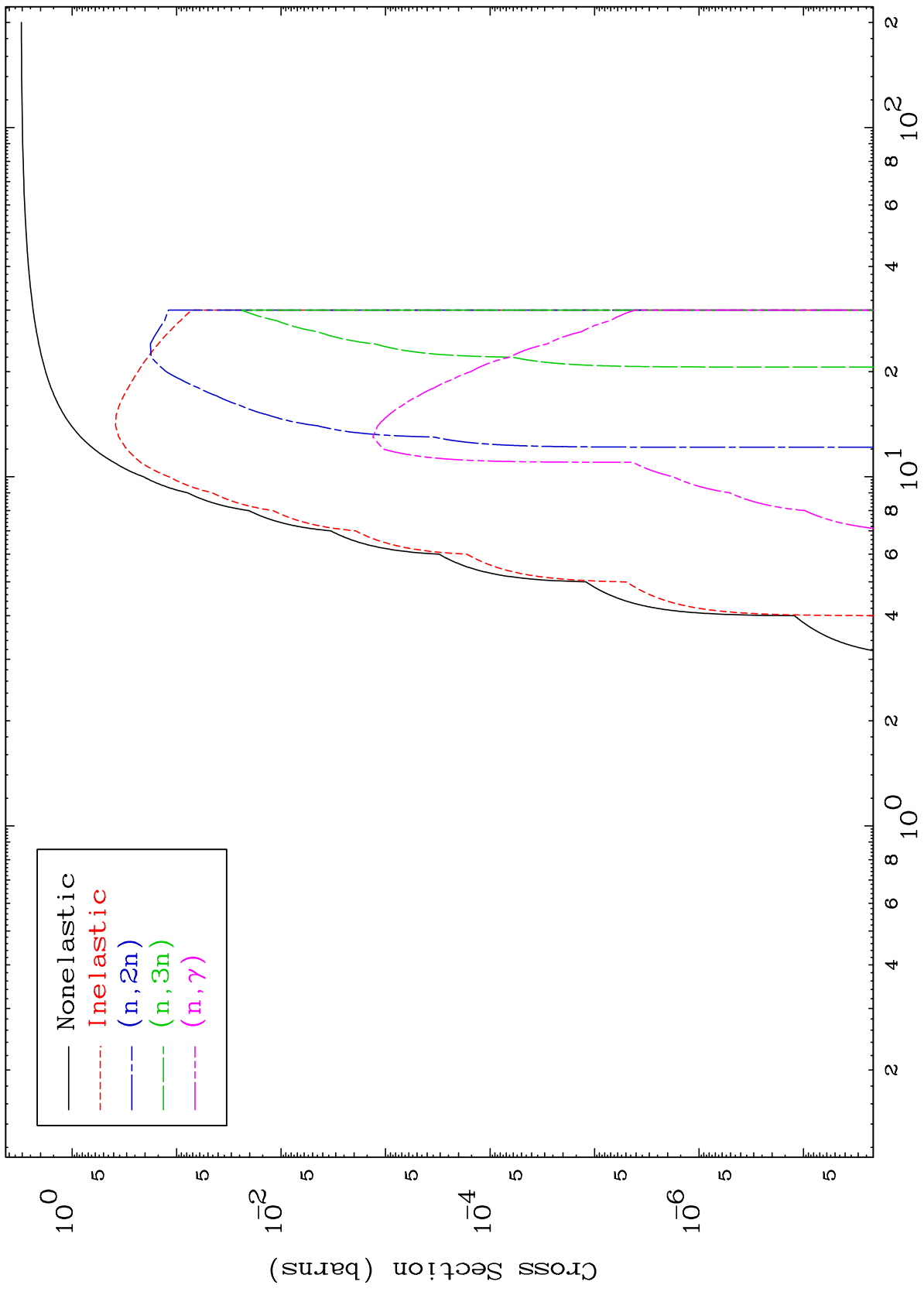
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

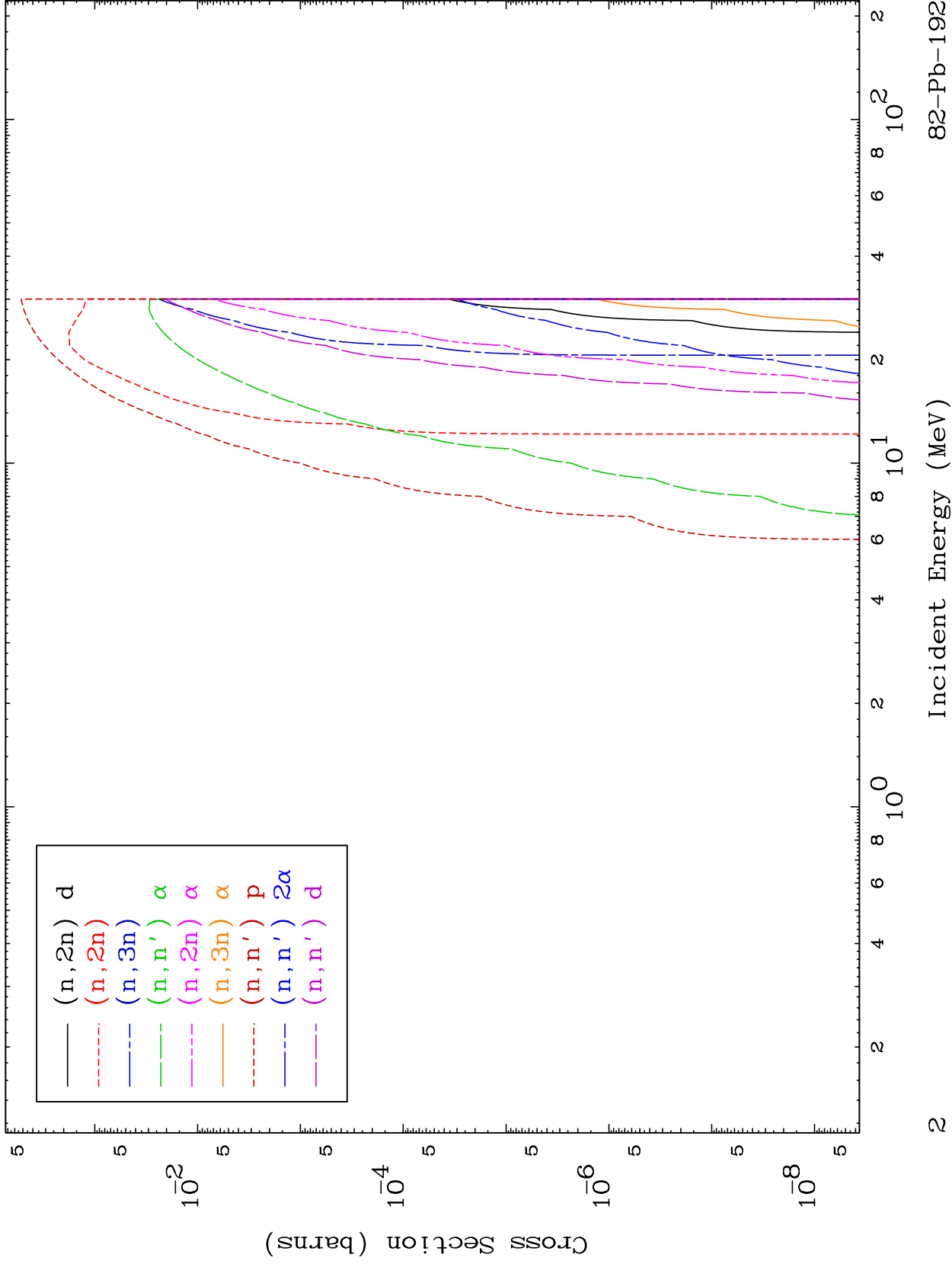
Tele: 925-443-1911

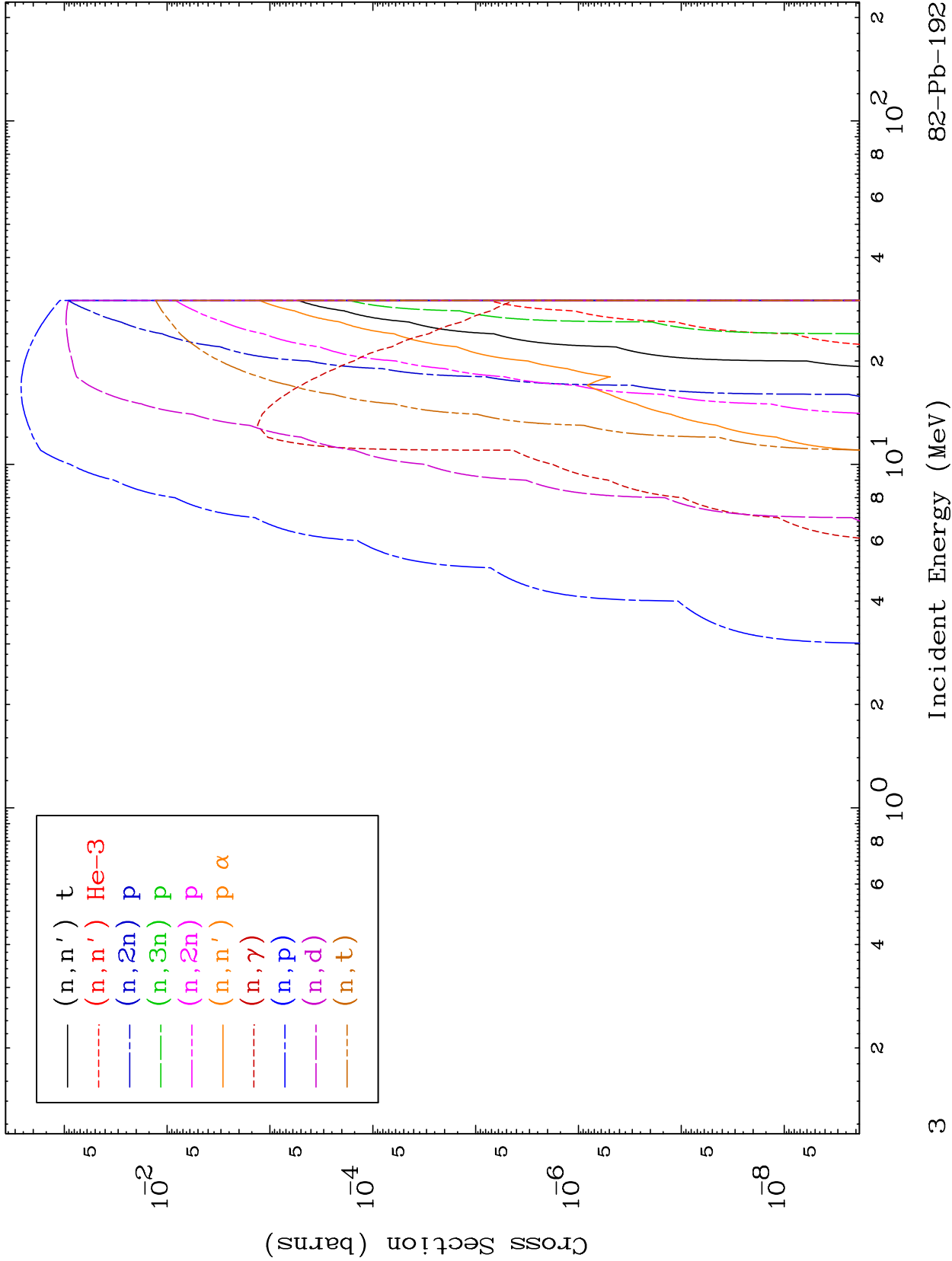
E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start



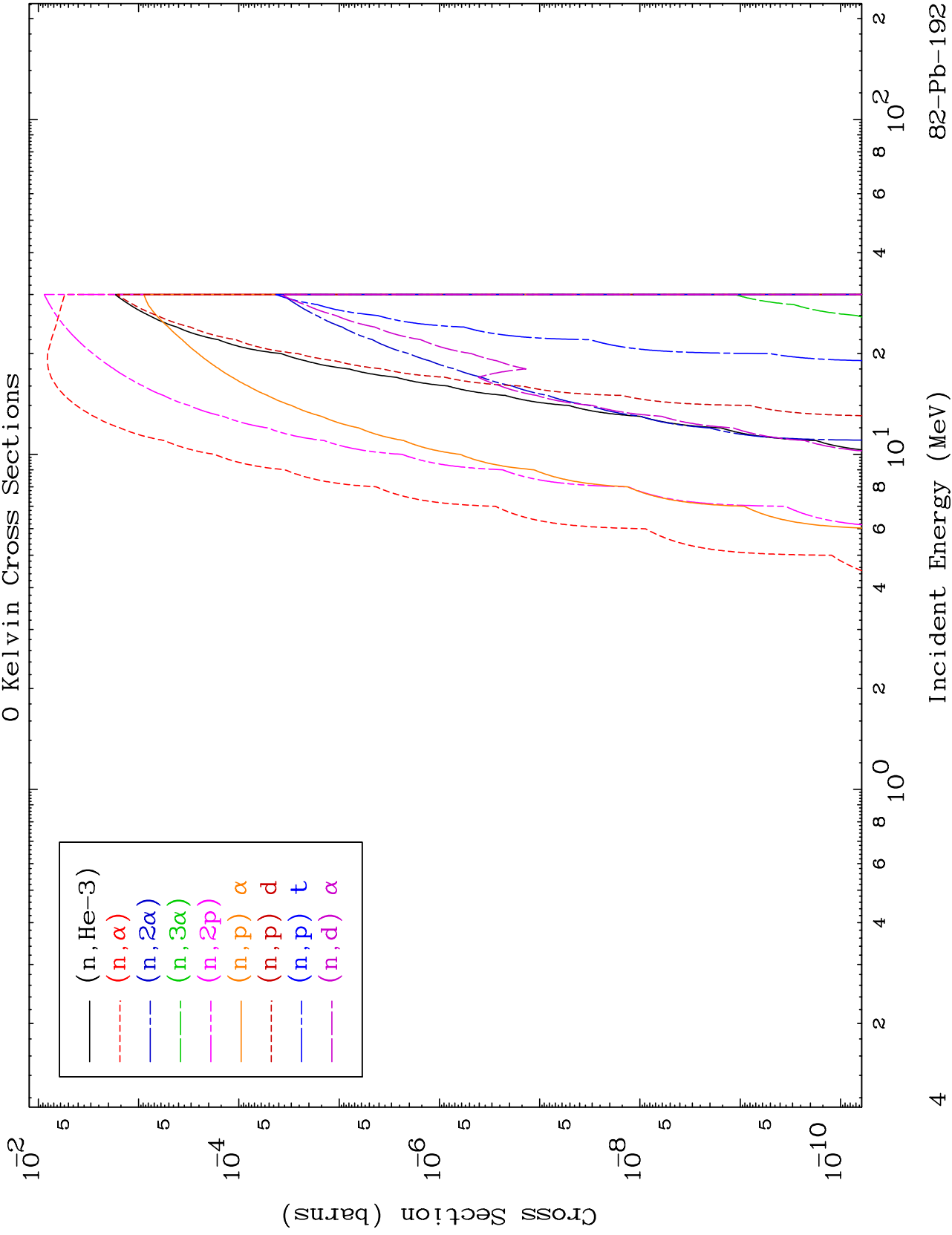


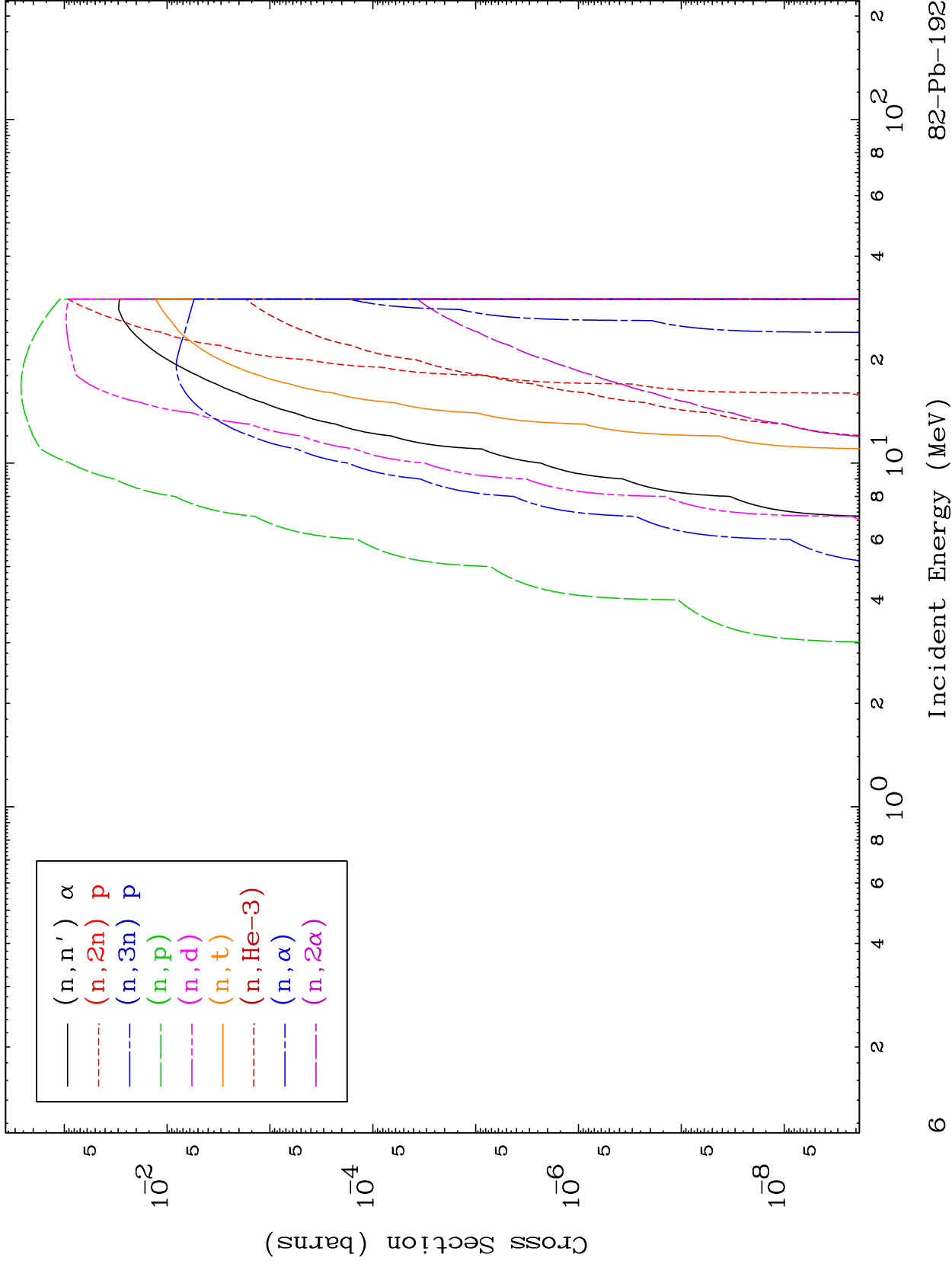


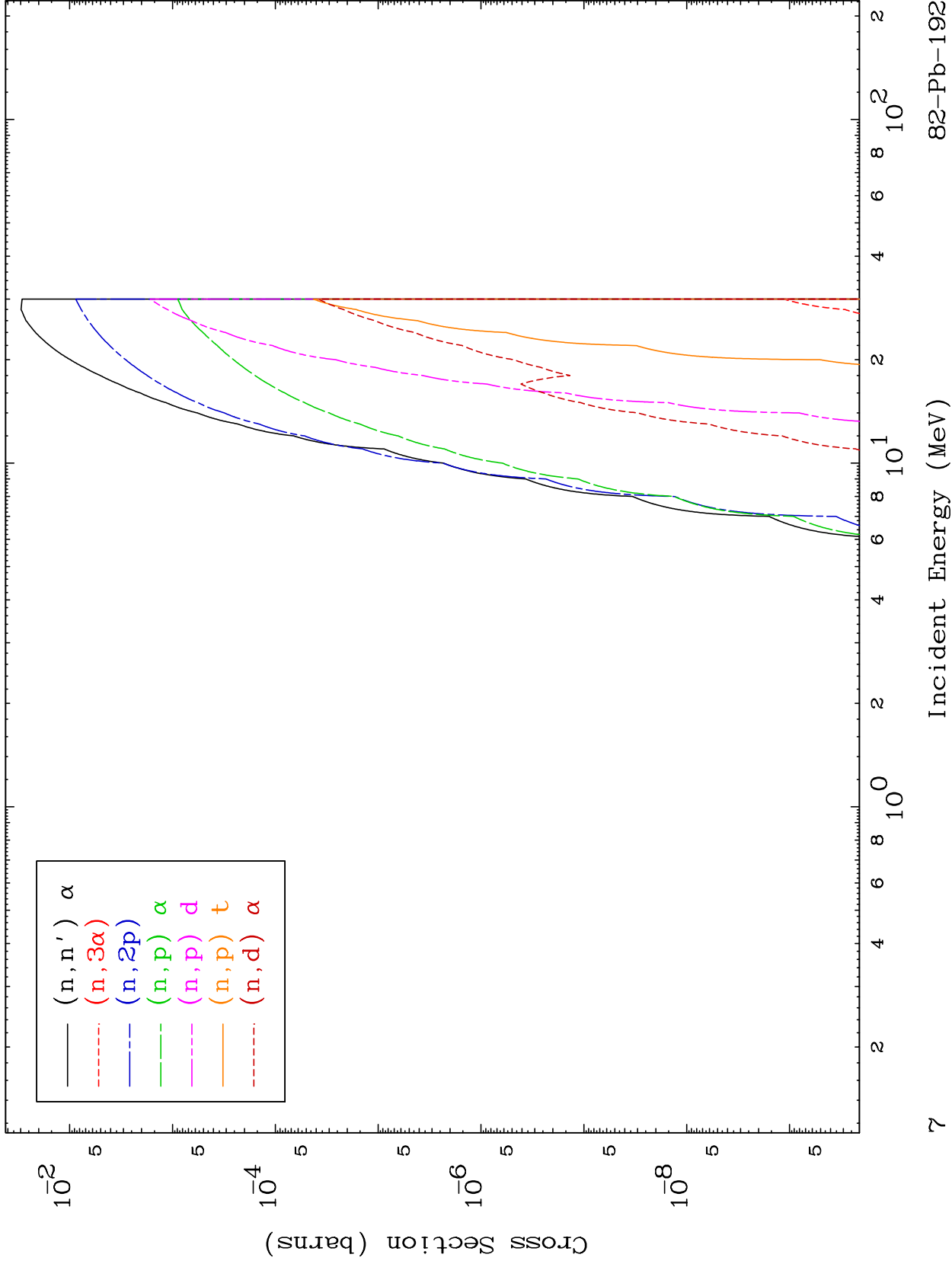
MAT 8189

Deuteron Neutron Absorption
0 Kelvin Cross Sections

82-Pb-192





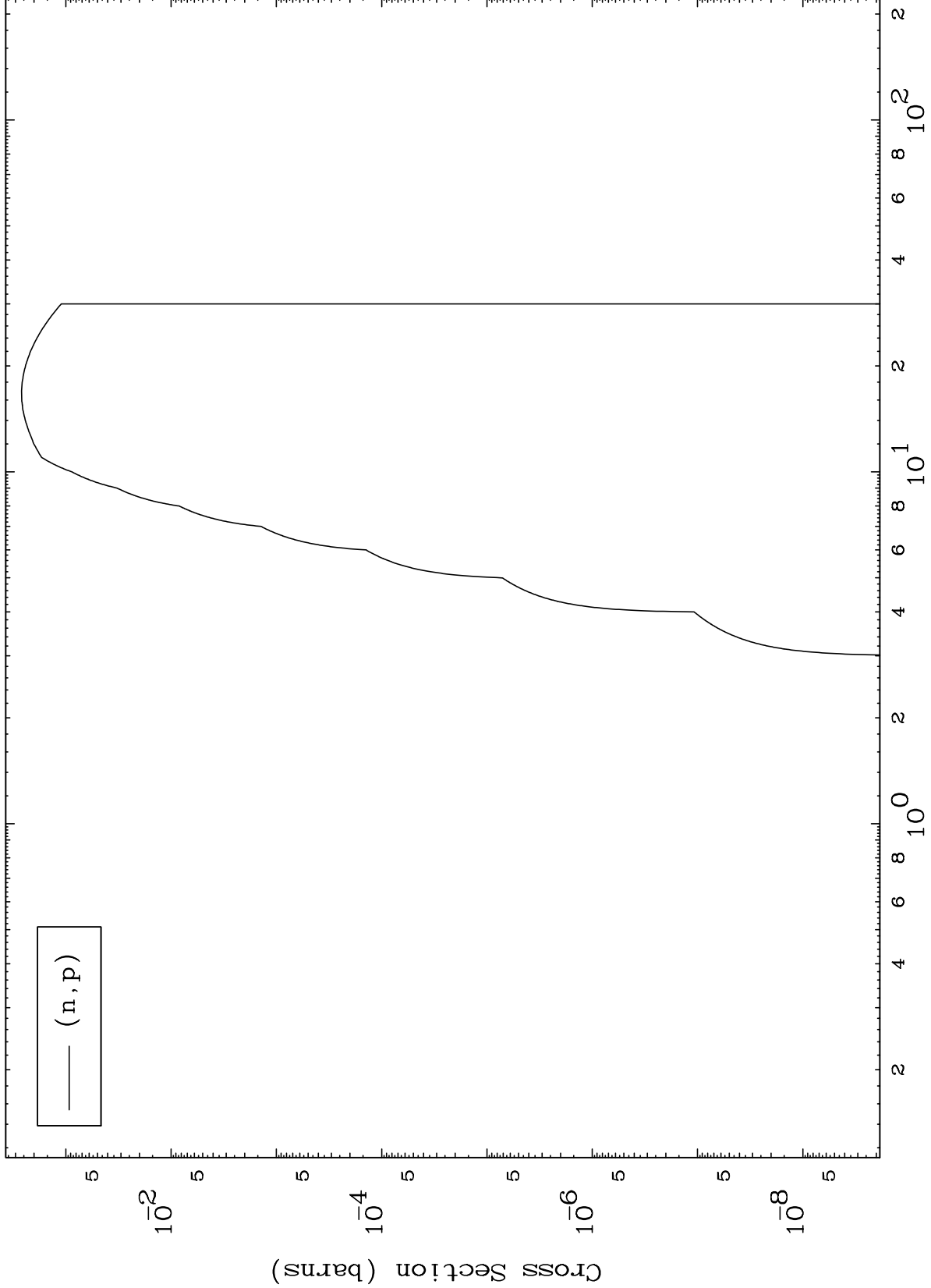


MAT 8189

(d,p) Levels

82-Pb-192

0 Kelvin Cross Sections



(n,p)

Incident Energy (MeV)

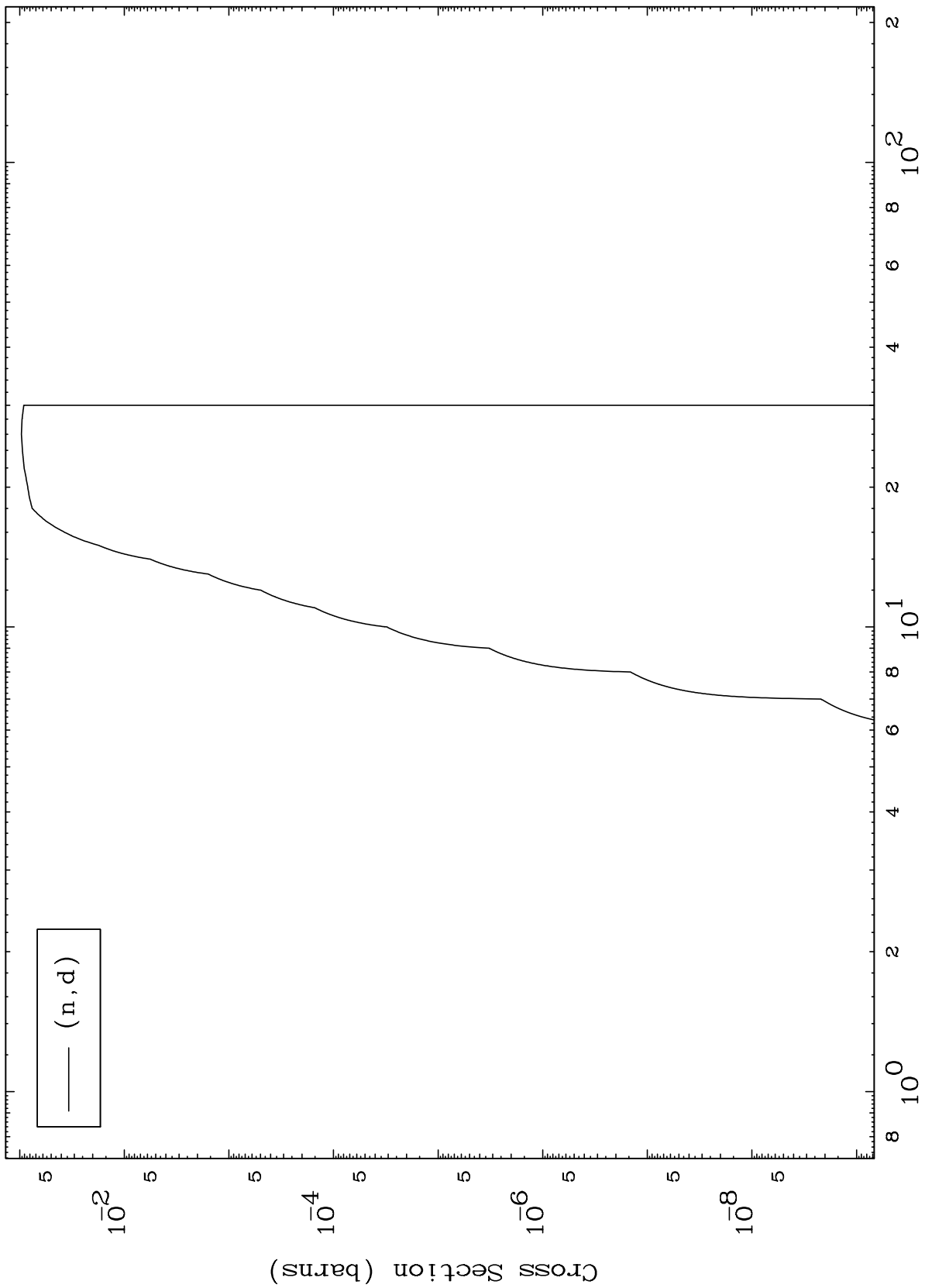
82-Pb-192

MAT 8189

(d,d) Levels

82-Pb-192

0 Kelvin Cross Sections



9

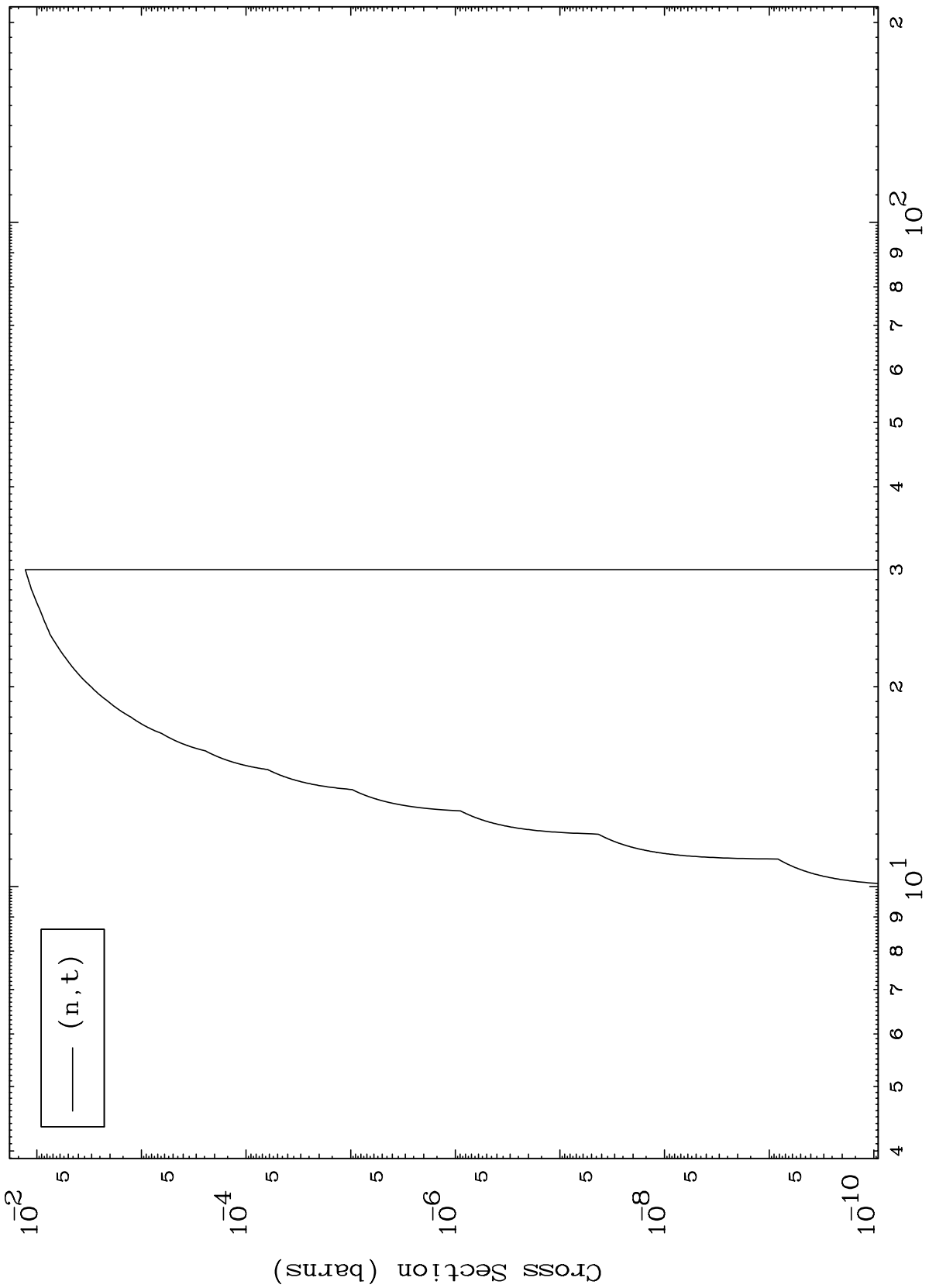
Incident Energy (MeV)

82-Pb-192

MAT 8189

82-Pb-192

(d,t) Levels
0 Kelvin Cross Sections



10

Incident Energy (MeV)

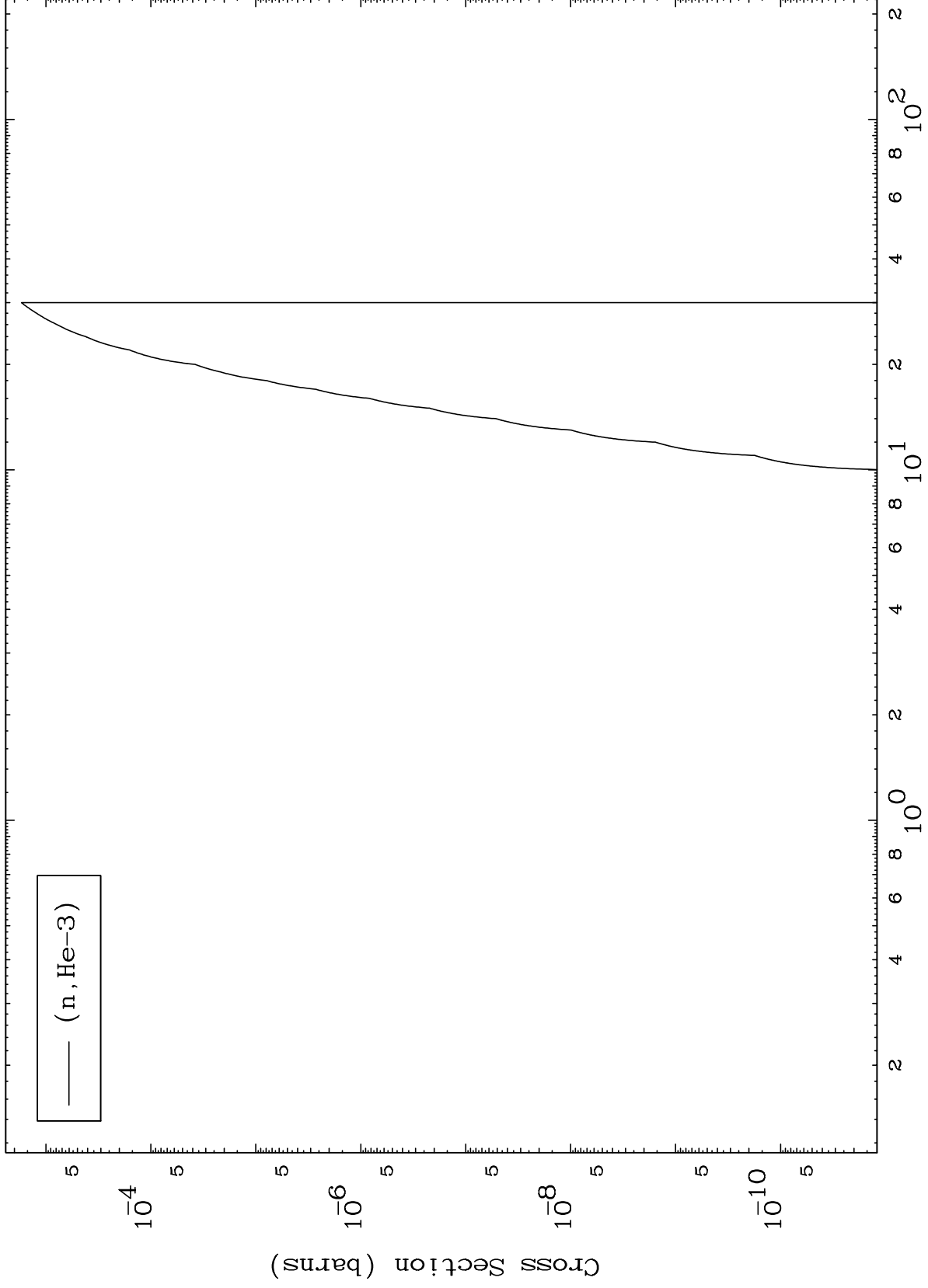
82-Pb-192

MAT 8189

(d,He3) Levels

82-Pb-192

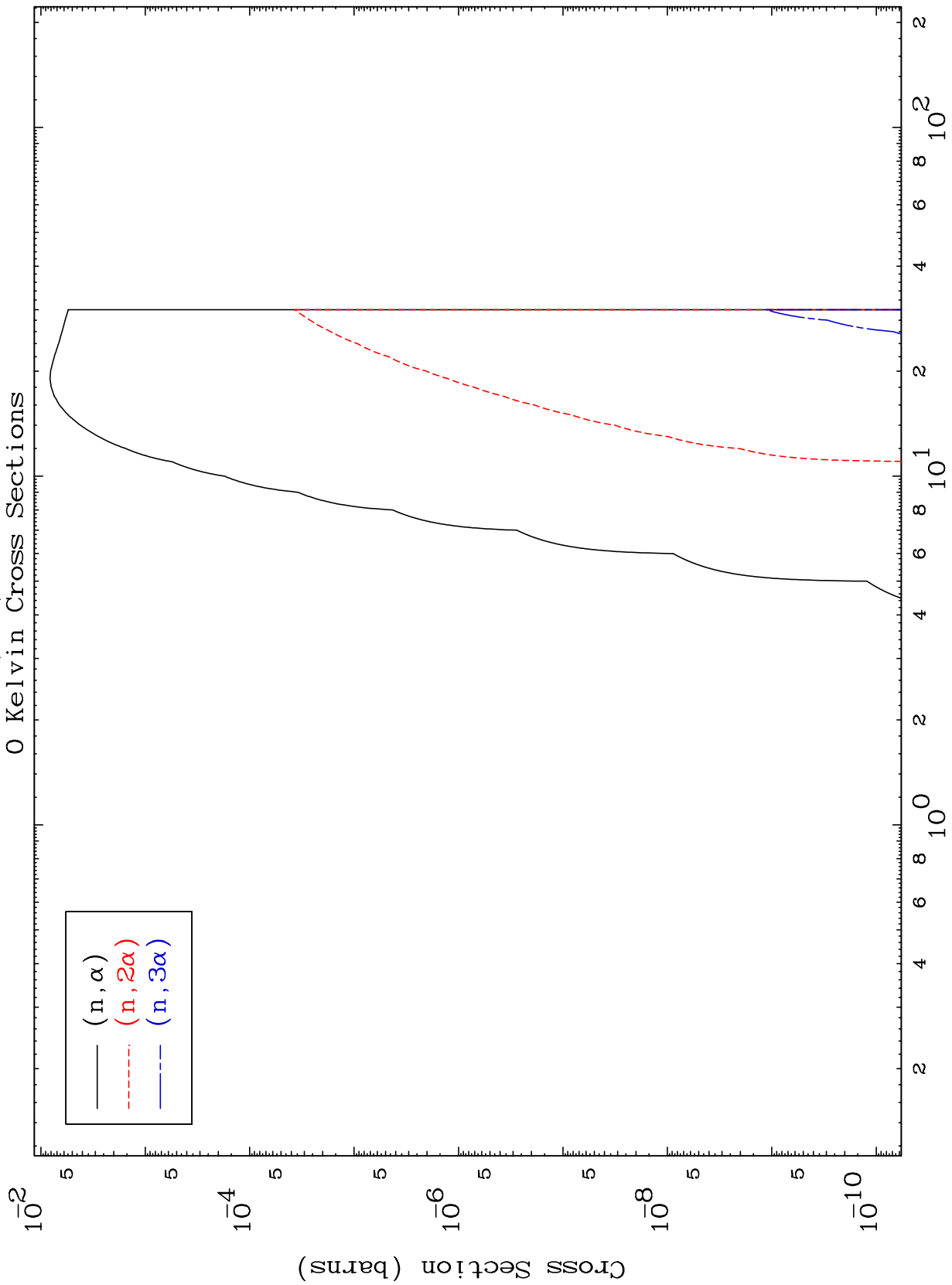
0 Kelvin Cross Sections



MAT 8189

82-Pb-192

(d, α) Levels
0 Kelvin Cross Sections



12

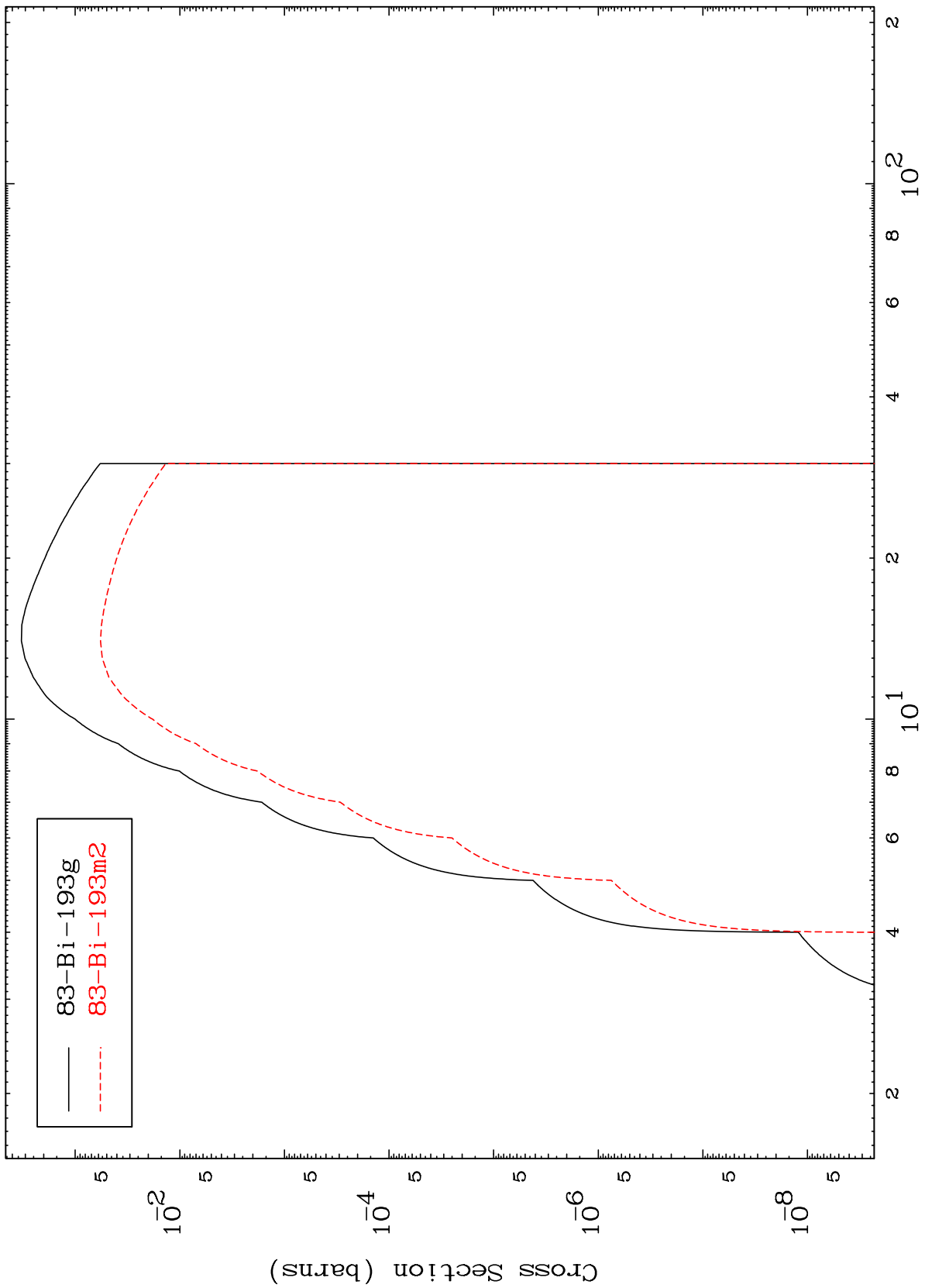
82-Pb-192

Incident Energy (MeV)

MAT 8189

82-Pb-192

Inelastic
Radionuclide Production Cross Section

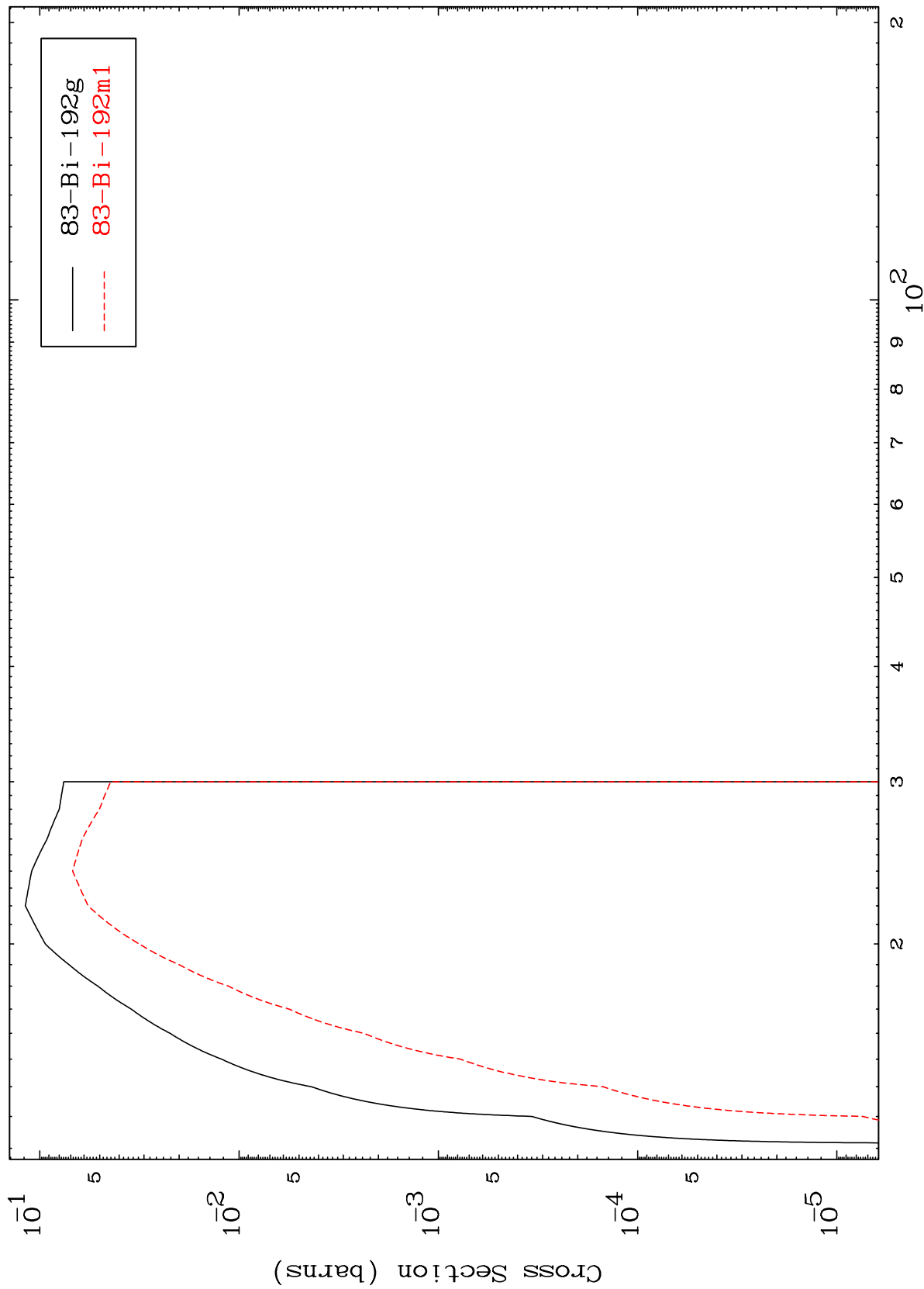


13

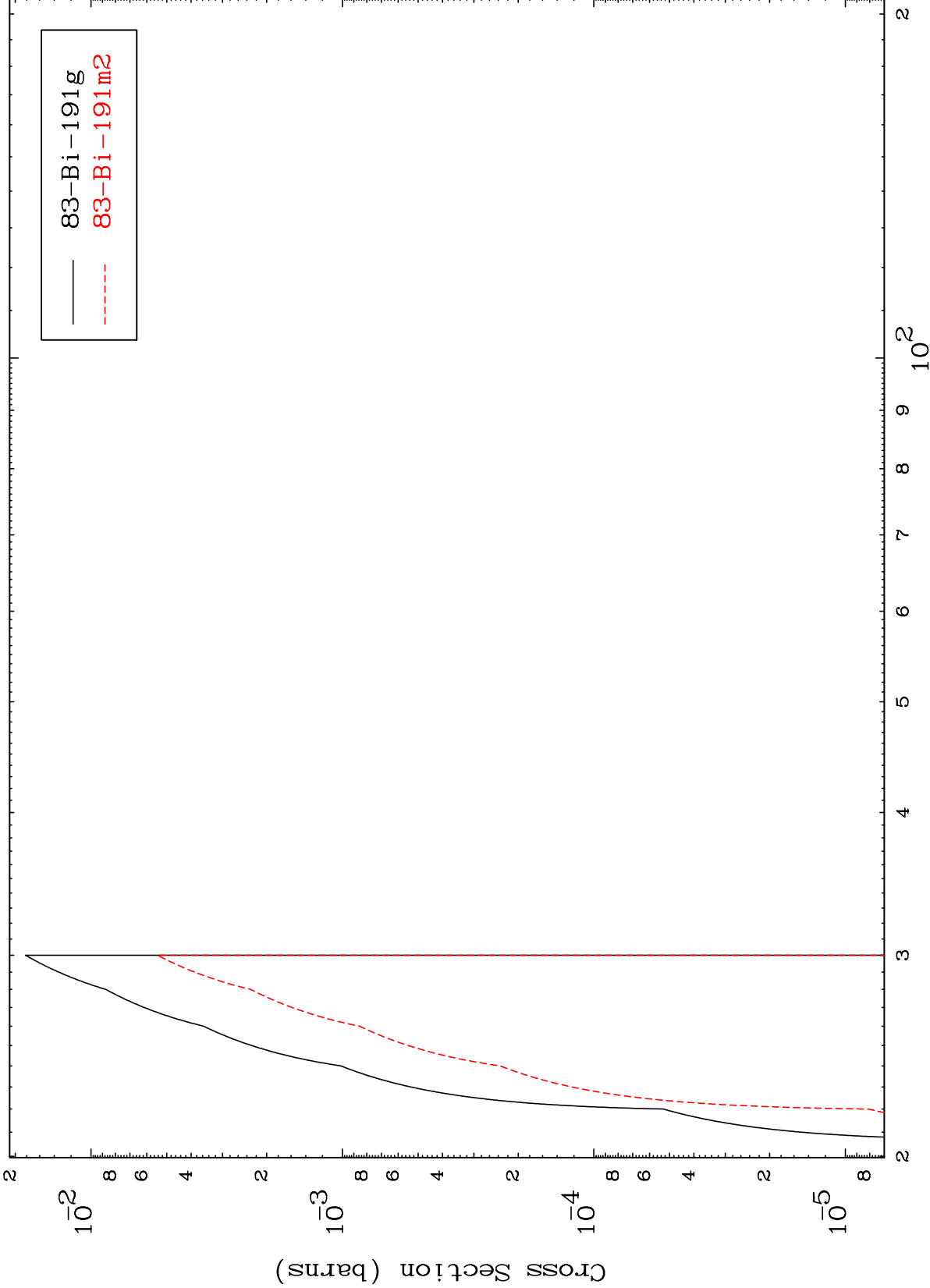
82-Pb-192

Incident Energy (MeV)

(n,2n)
Radionuclide Production Cross Section



Radionuclide Production Cross Section



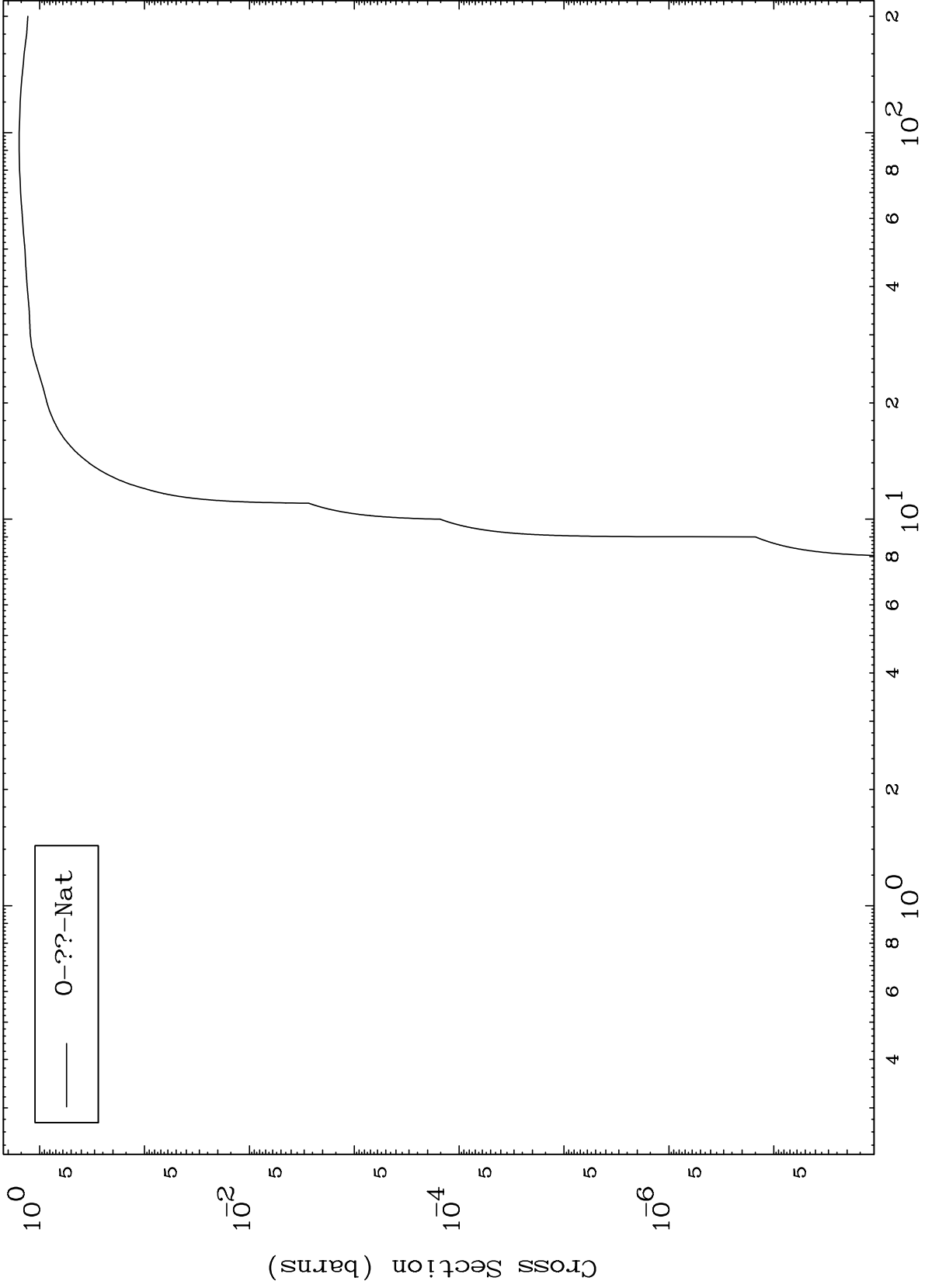
83-Bi-191g
83-Bi-191m2

MAT 8189

Fission

82-Pb-192

Radionuclide Production Cross Section

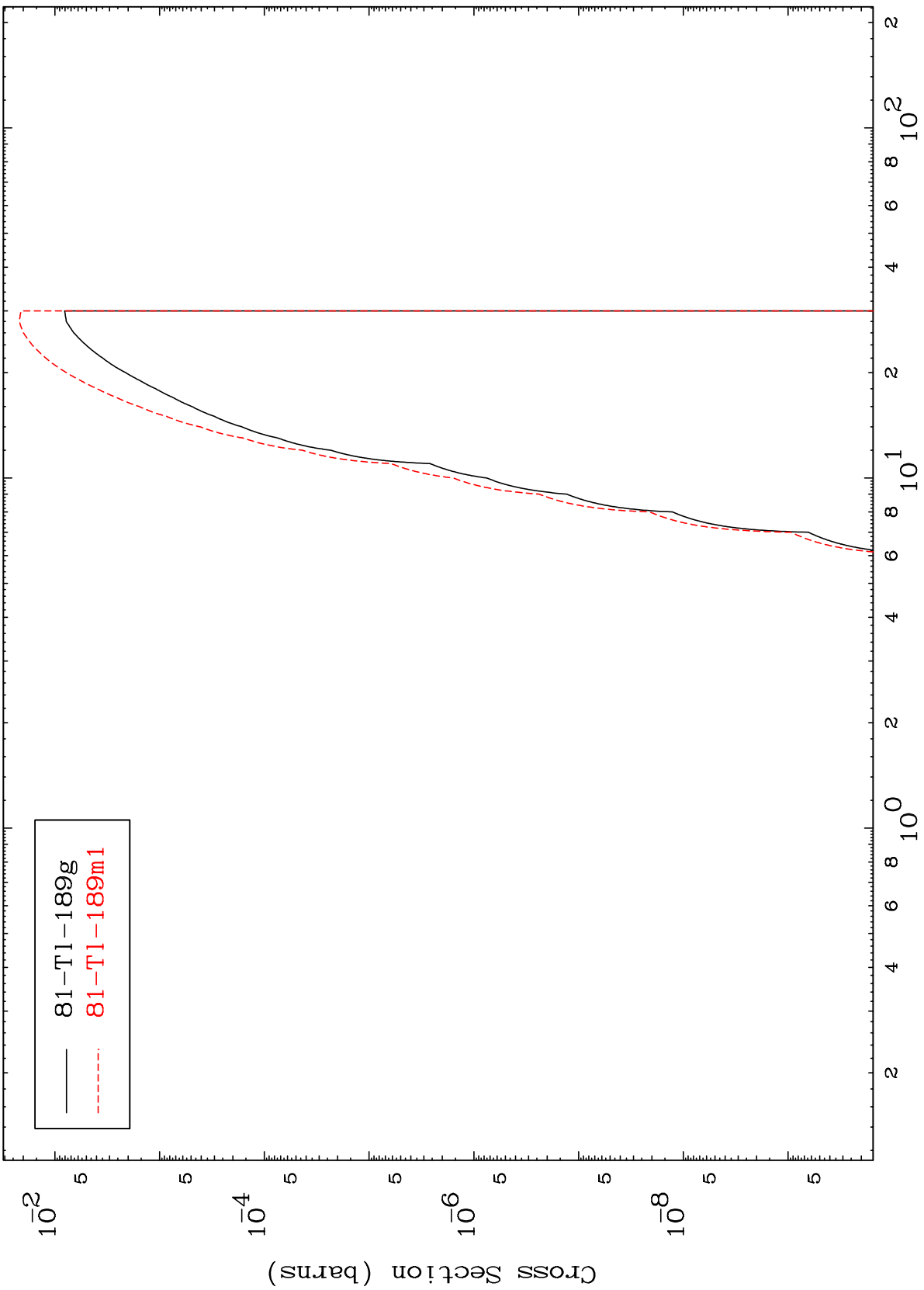


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$(n, n') \alpha$

82-Pb-192

Radionuclide Production Cross Section

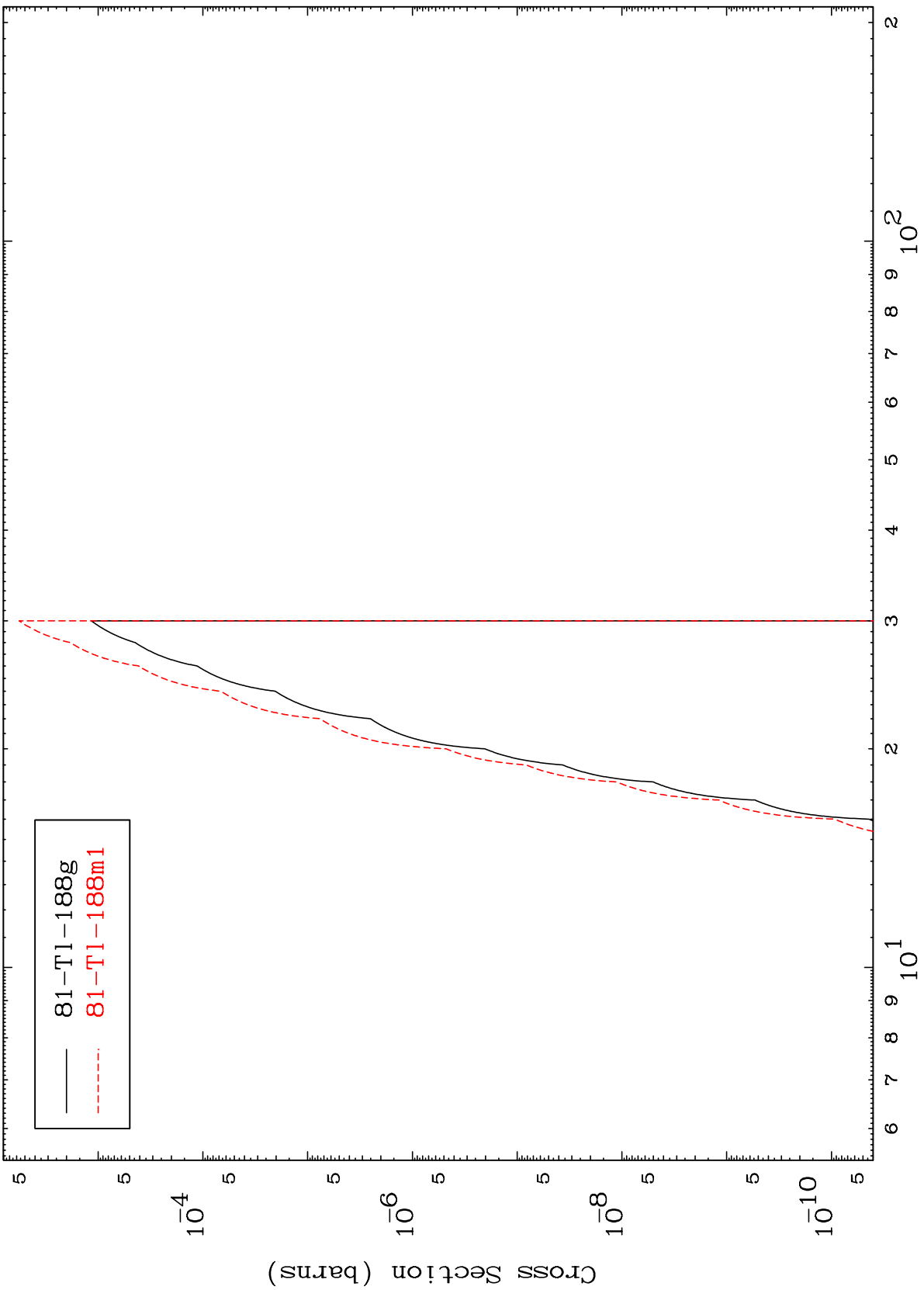


MAT 8189

(n,2n) α

82-Pb-192

Radionuclide Production Cross Section



18

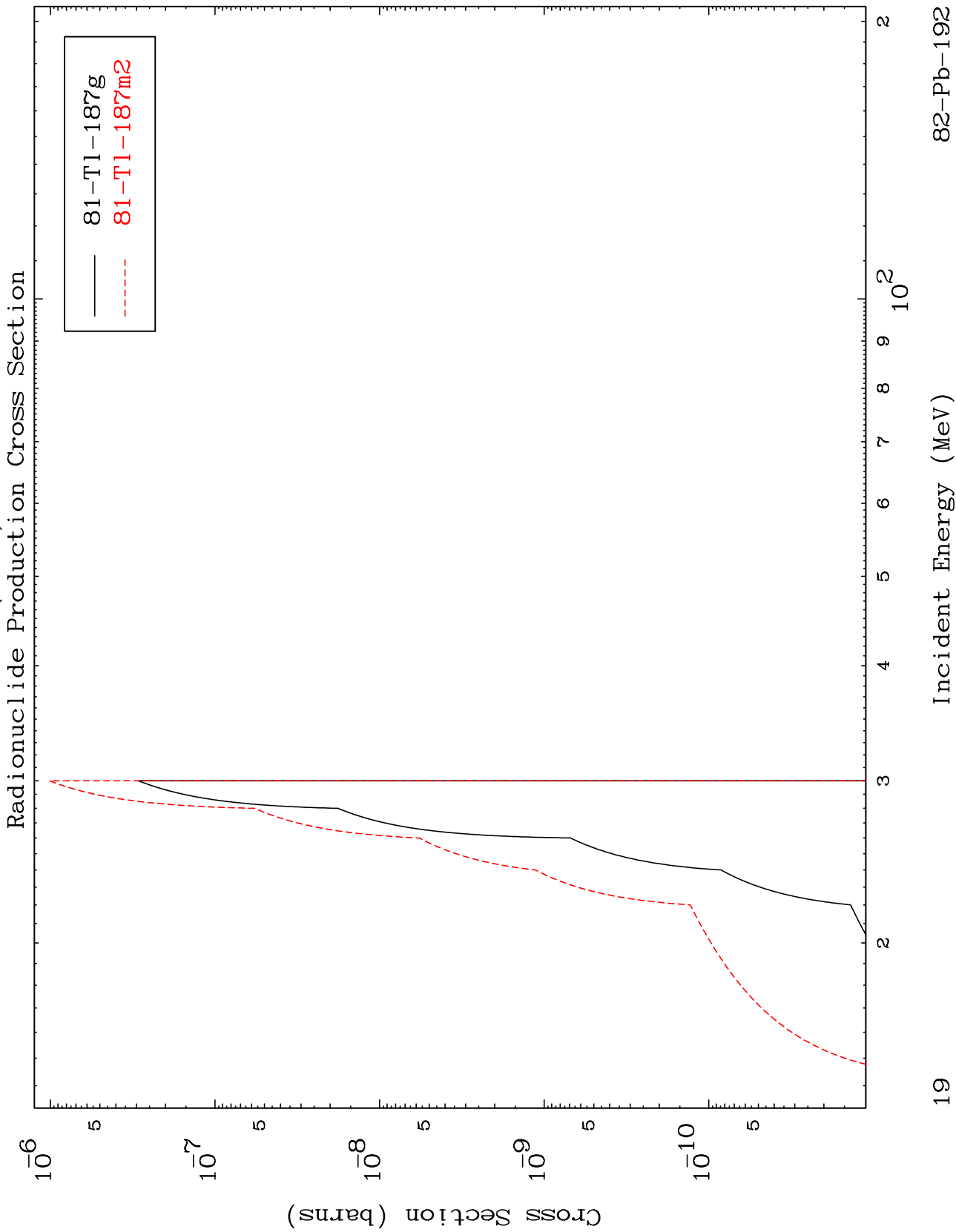
Incident Energy (MeV)

82-Pb-192

MAT 8189

(n,3n) α

82-Pb-192



19

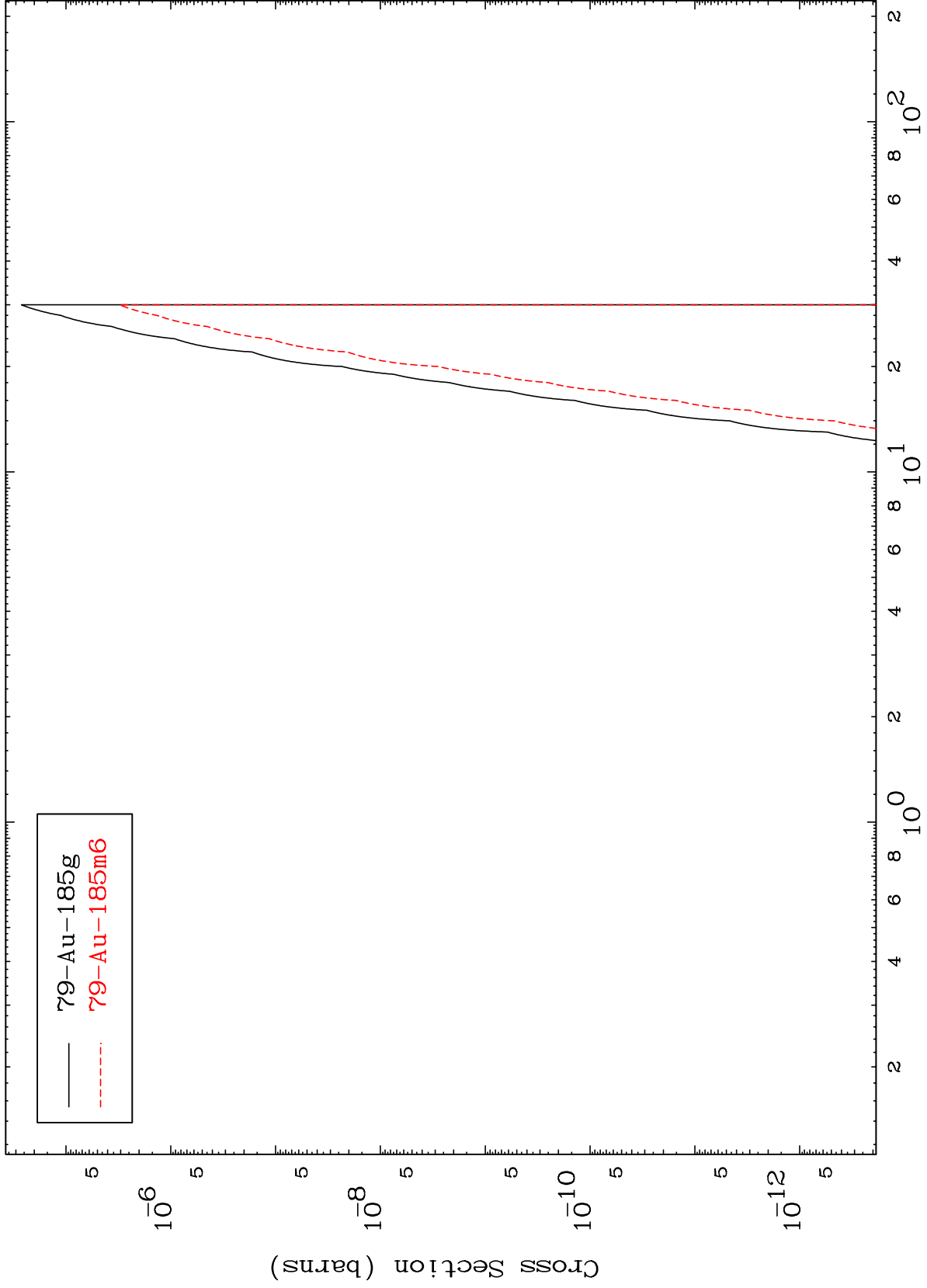
82-Pb-192

MAT 8189

(n,n') 2 α

82-Pb-192

Radionuclide Production Cross Section



20

Incident Energy (MeV)

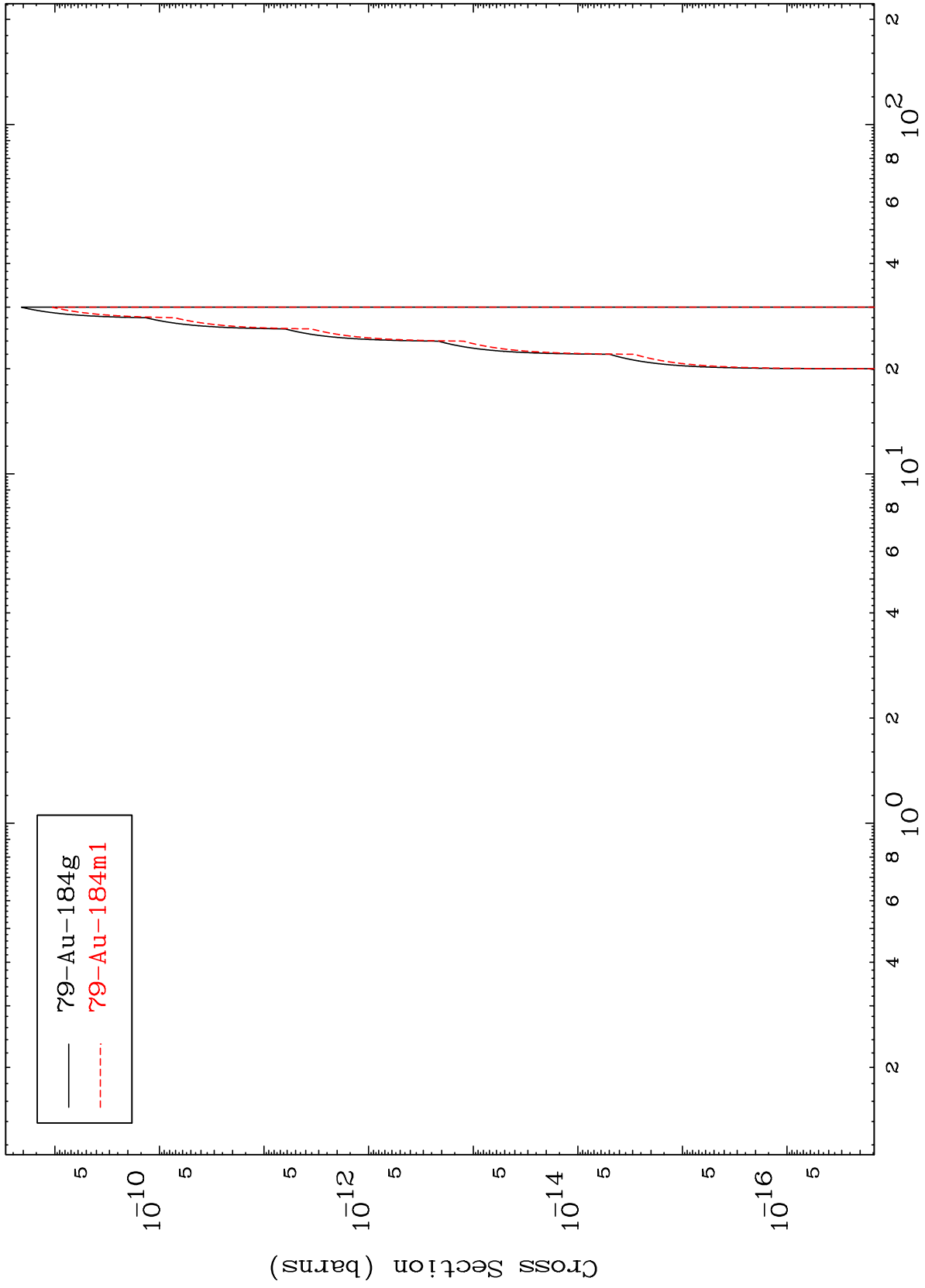
82-Pb-192

MAT 8189

(n,2n) 2 α

82-Pb-192

Radionuclide Production Cross Section

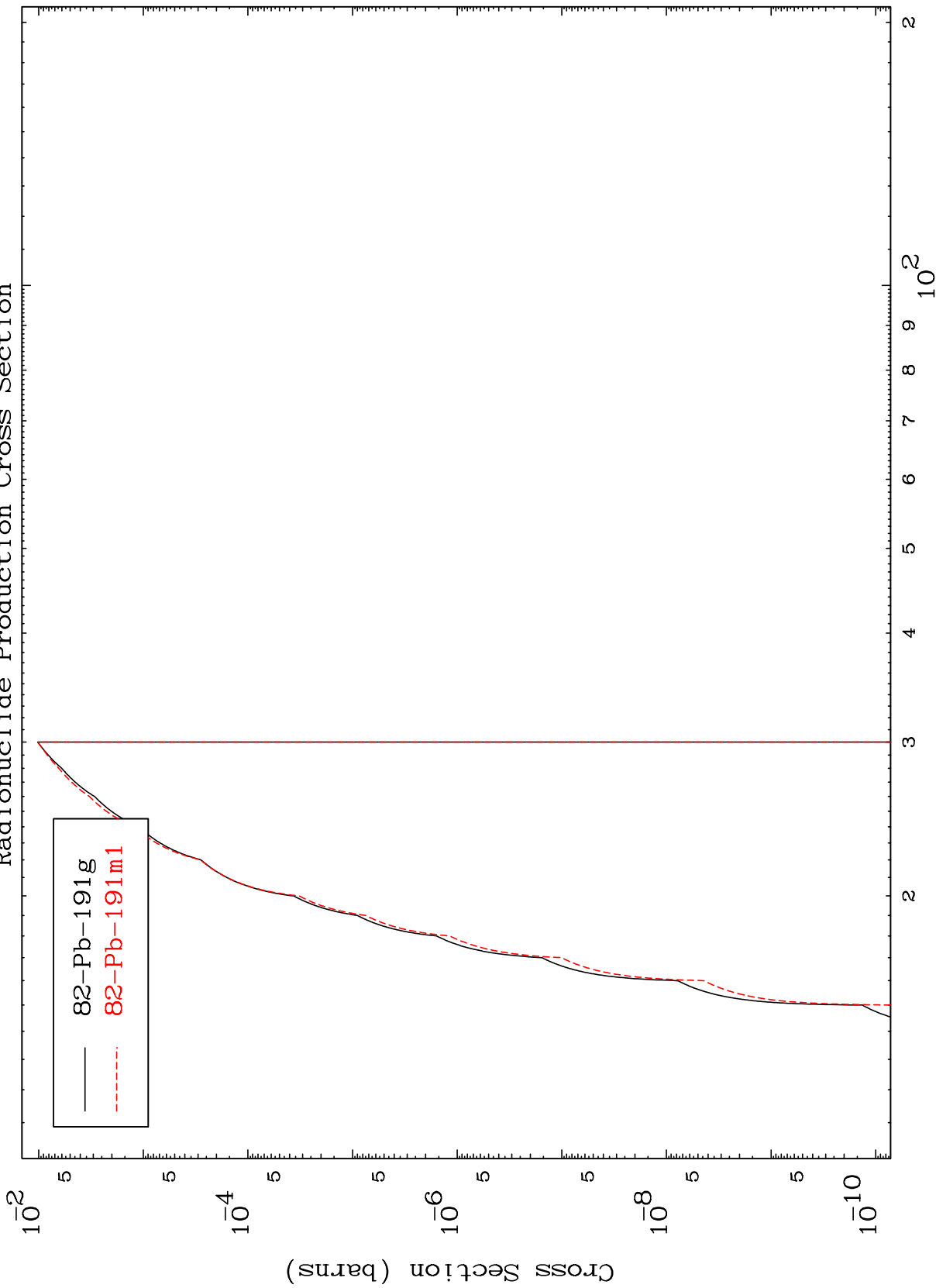


MAT 8189

(n,n') d

82-Pb-192

Radionuclide Production Cross Section



Incident Energy (MeV)

82-Pb-192

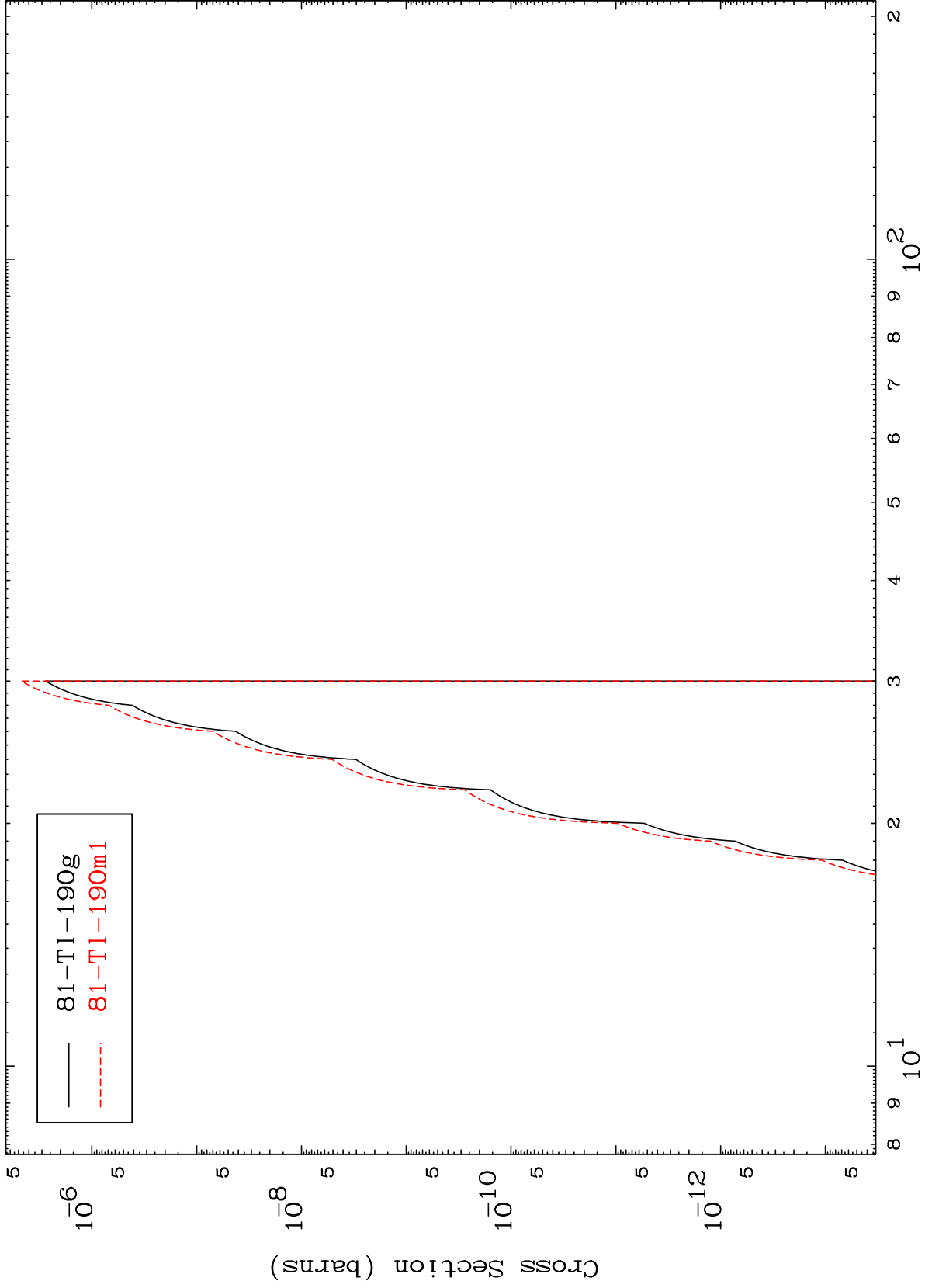
22

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(n,n') He-3

82-Pb-192

Radionuclide Production Cross Section



23

Incident Energy (MeV)

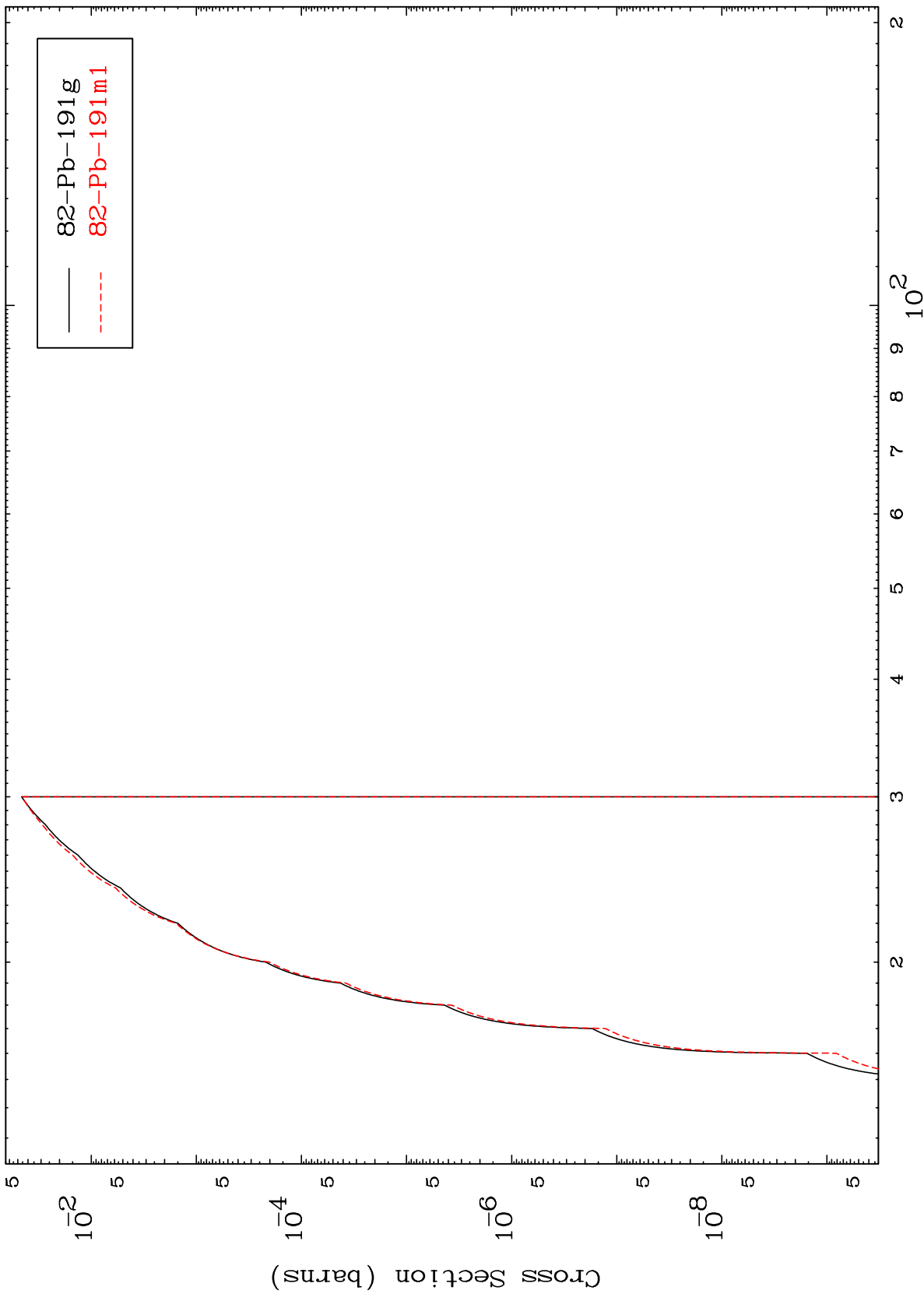
82-Pb-192

MAT 8189

(n,2n) p

82-Pb-192

Radionuclide Production Cross Section



24

Incident Energy (MeV)

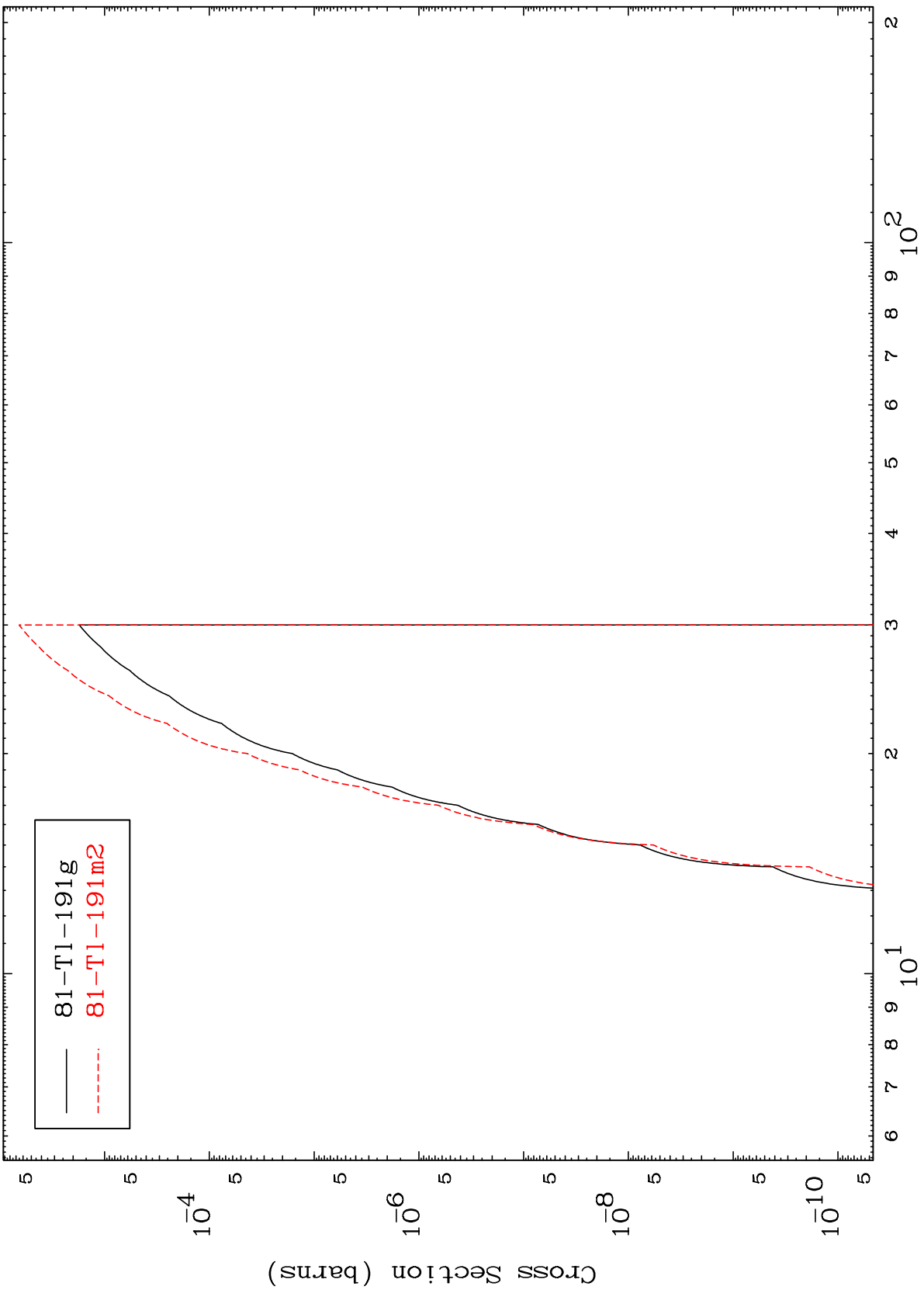
82-Pb-192

MAT 8189

(n,2n) p

82-Pb-192

Radionuclide Production Cross Section



25

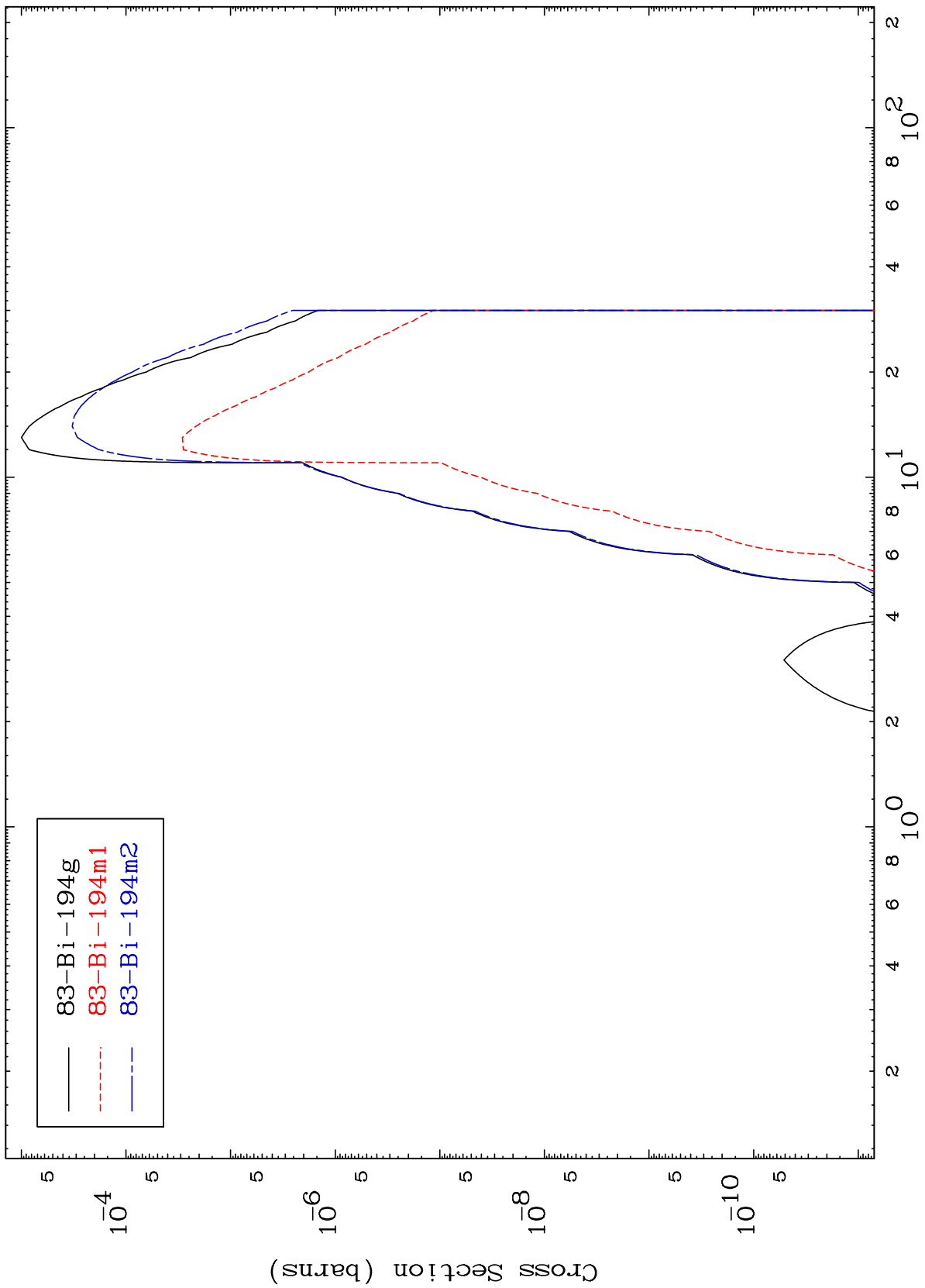
Incident Energy (MeV)

82-Pb-192

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82-Pb-192

(n, γ)
Radionuclide Production Cross Section



26

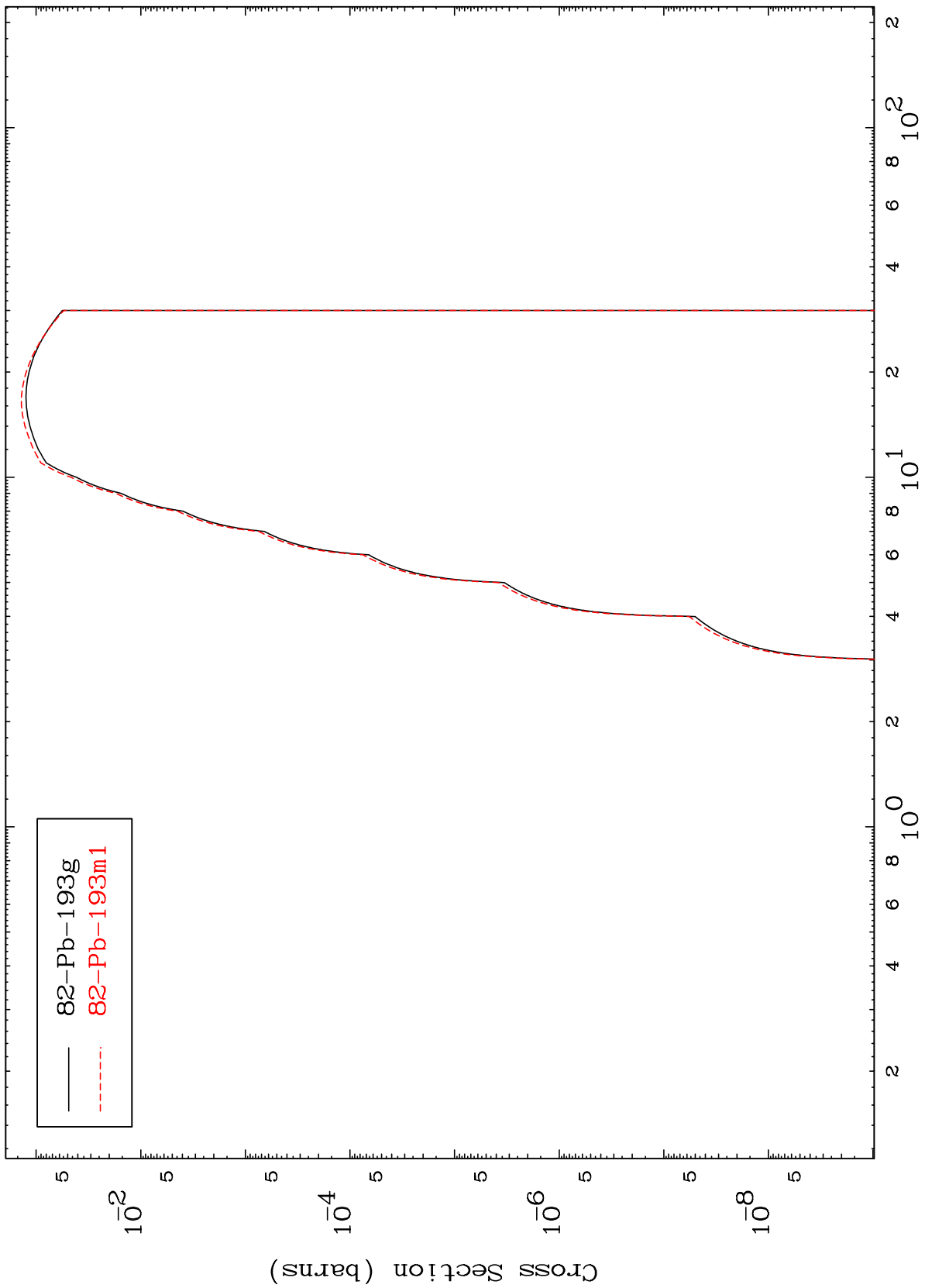
82-Pb-192

Incident Energy (MeV)

MAT 8189

82-Pb-192

(n,p)
Radionuclide Production Cross Section

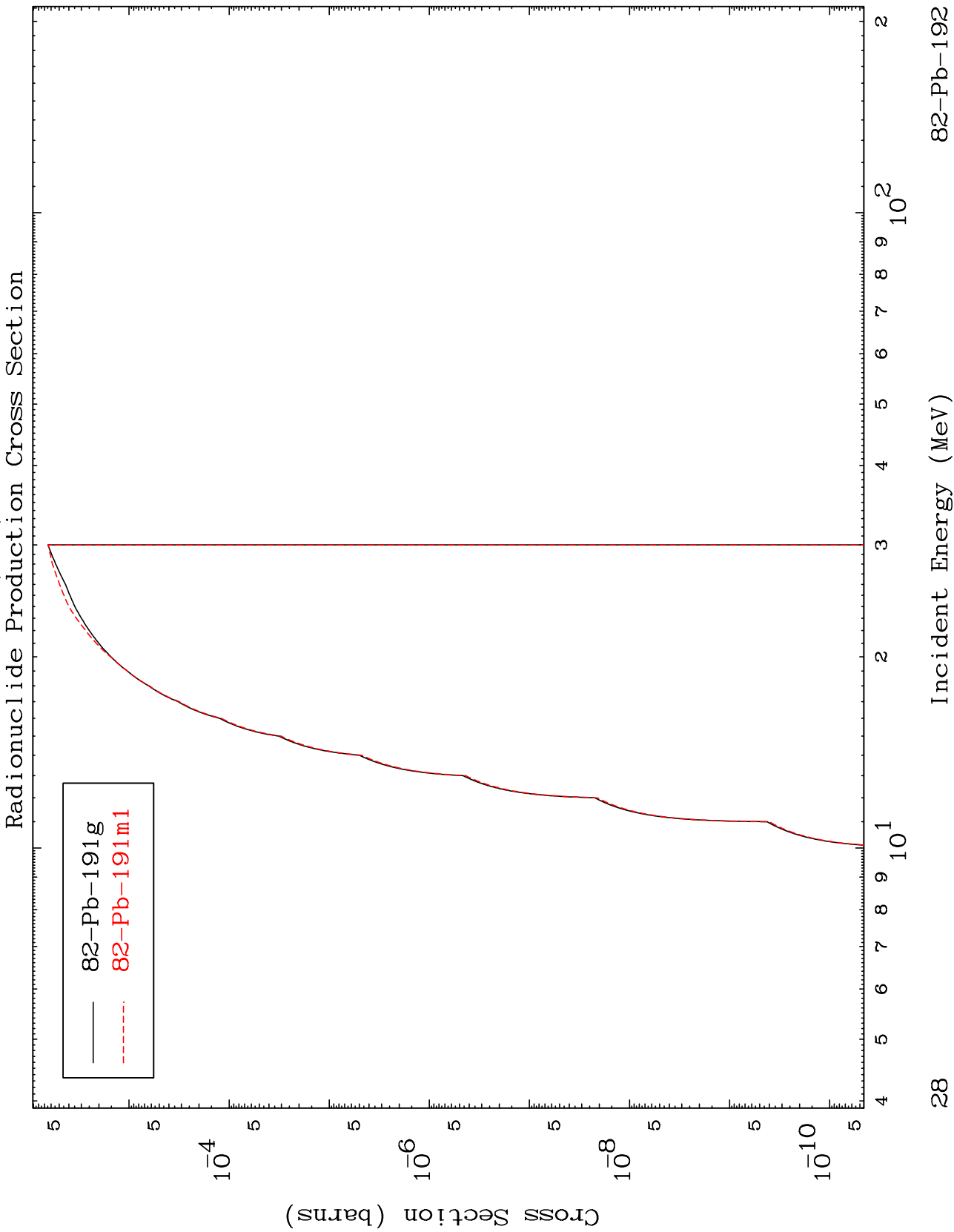


82-Pb-192

Incident Energy (MeV)

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82-Pb-192



28

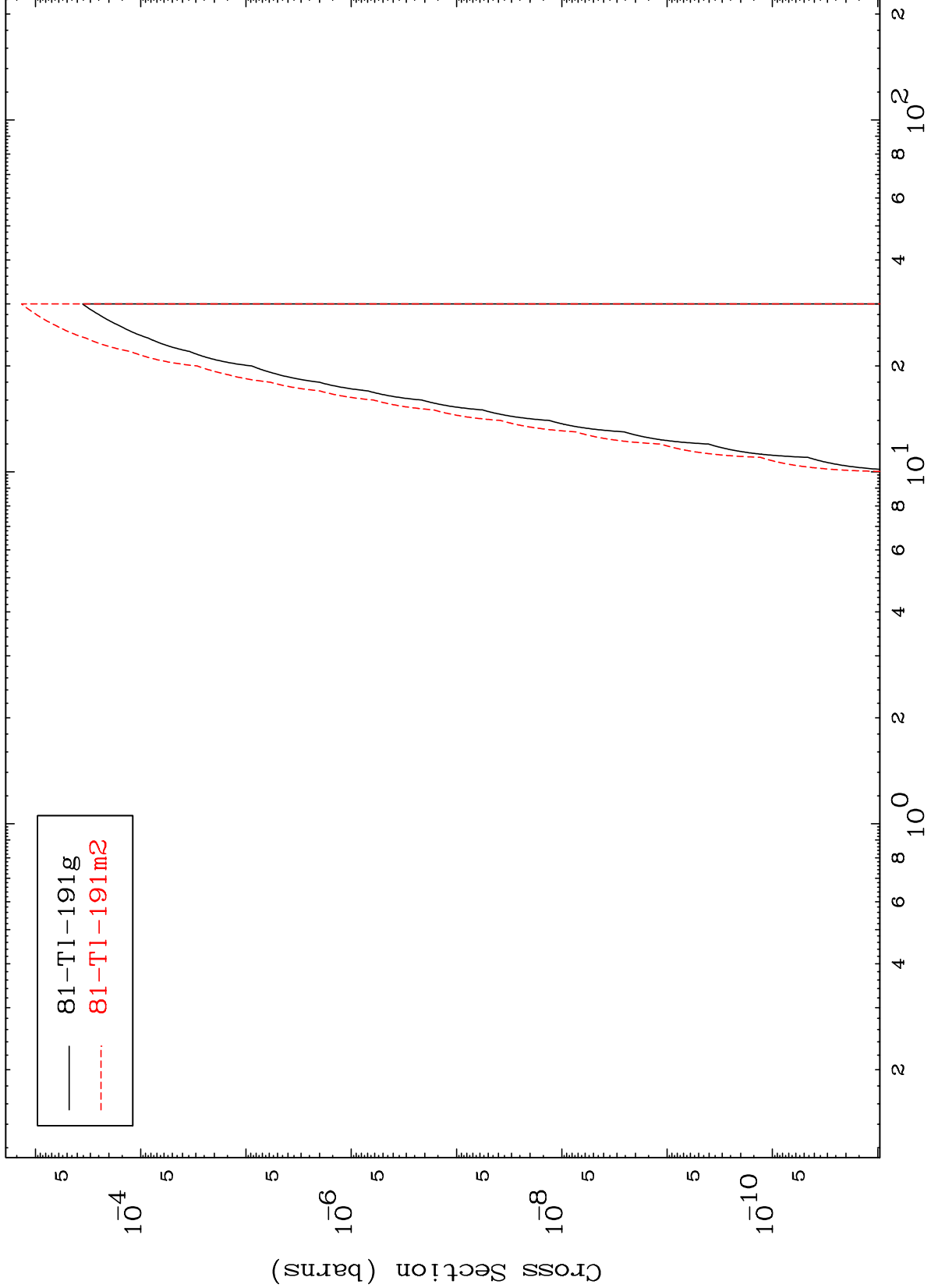
82-Pb-192

MAT 8189

(n,He-3)

82-Pb-192

Radionuclide Production Cross Section



29

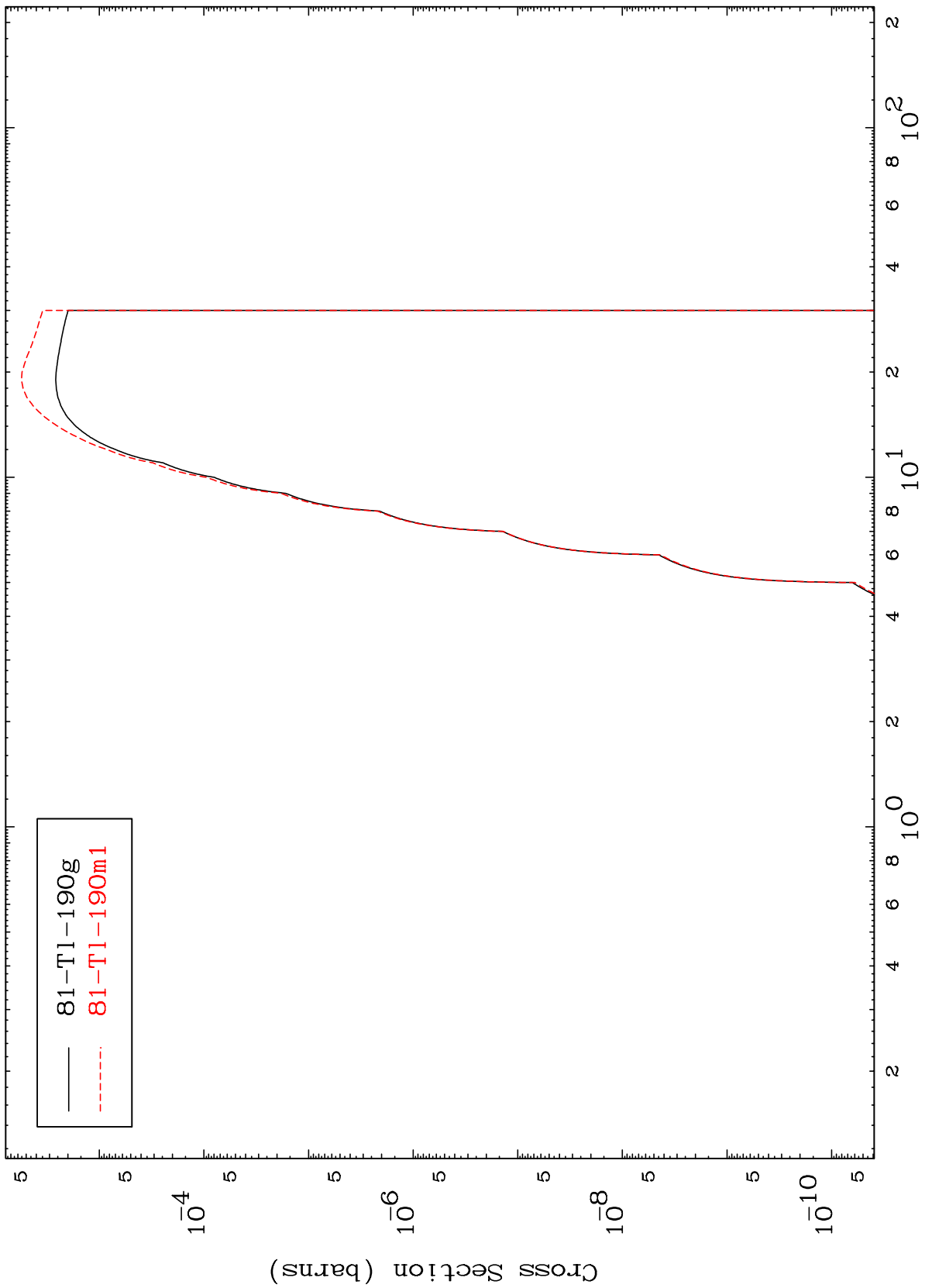
Incident Energy (MeV)

82-Pb-192

MAT 8189

82-Pb-192

(n, α)
Radionuclide Production Cross Section



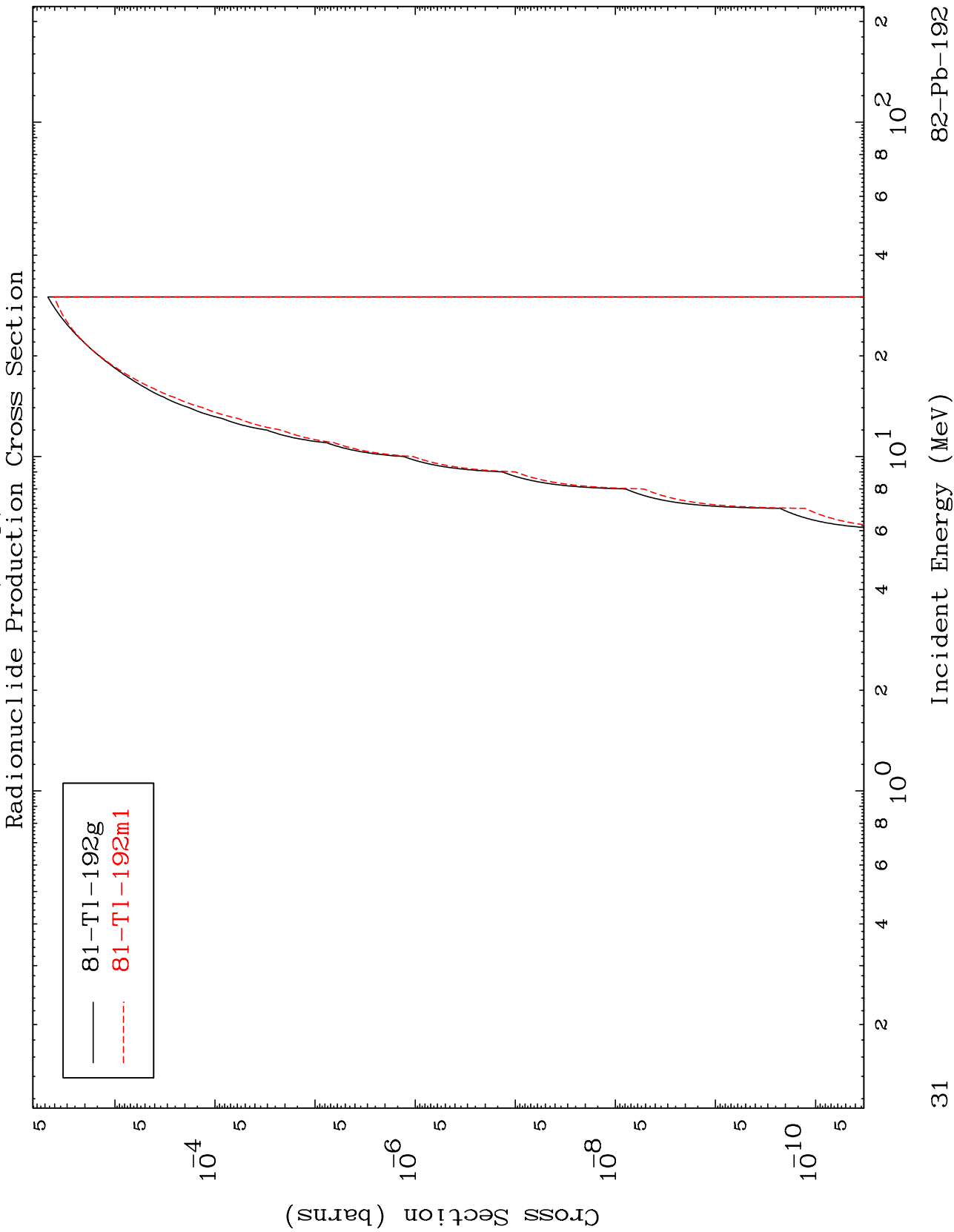
30

82-Pb-192

MAT 8189

82-Pb-192

(n,2p)

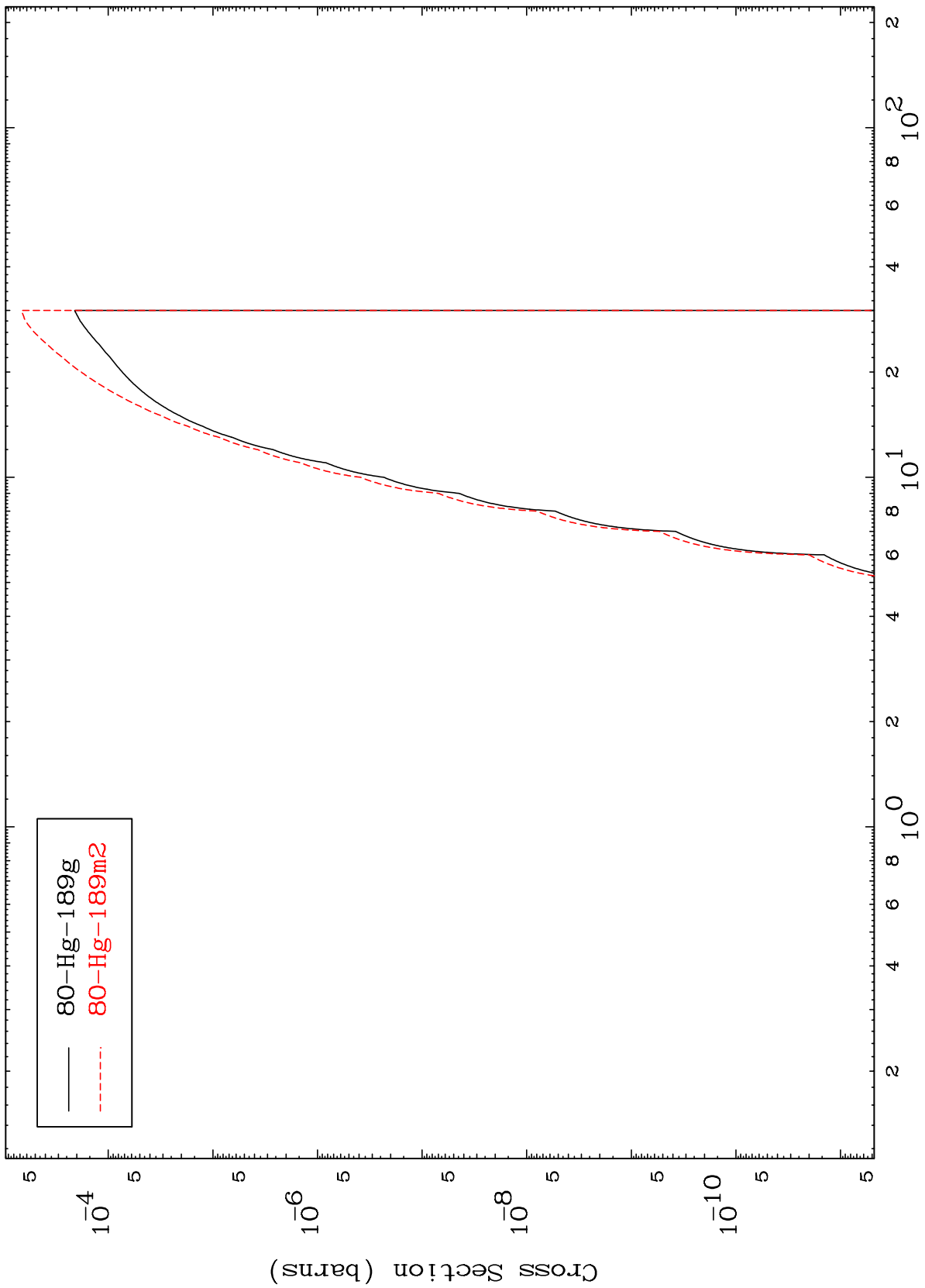


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(n,p) α

82-Pb-192

Radionuclide Production Cross Section

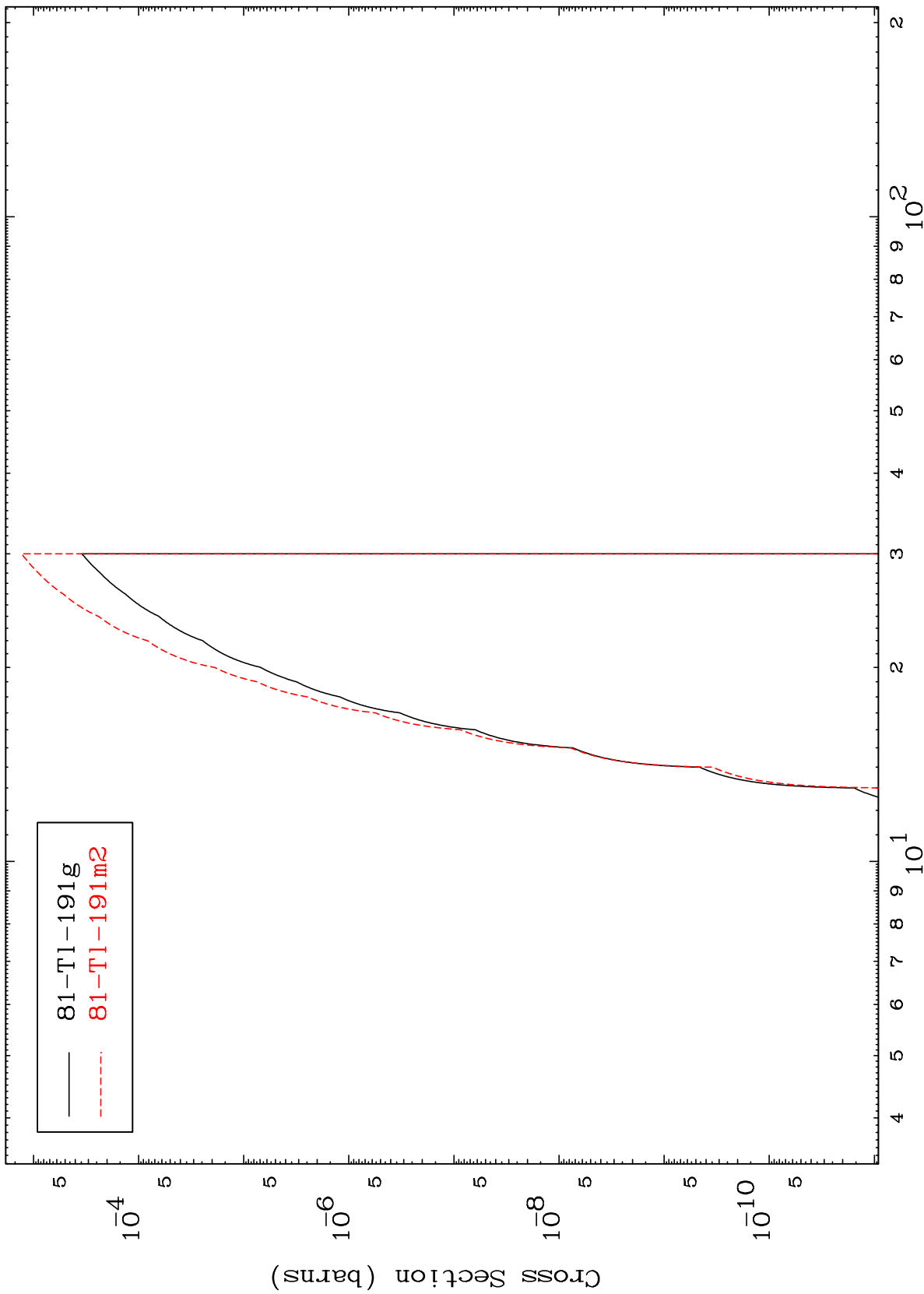


MAT 8189

(n,p) d

82-Pb-192

Radionuclide Production Cross Section

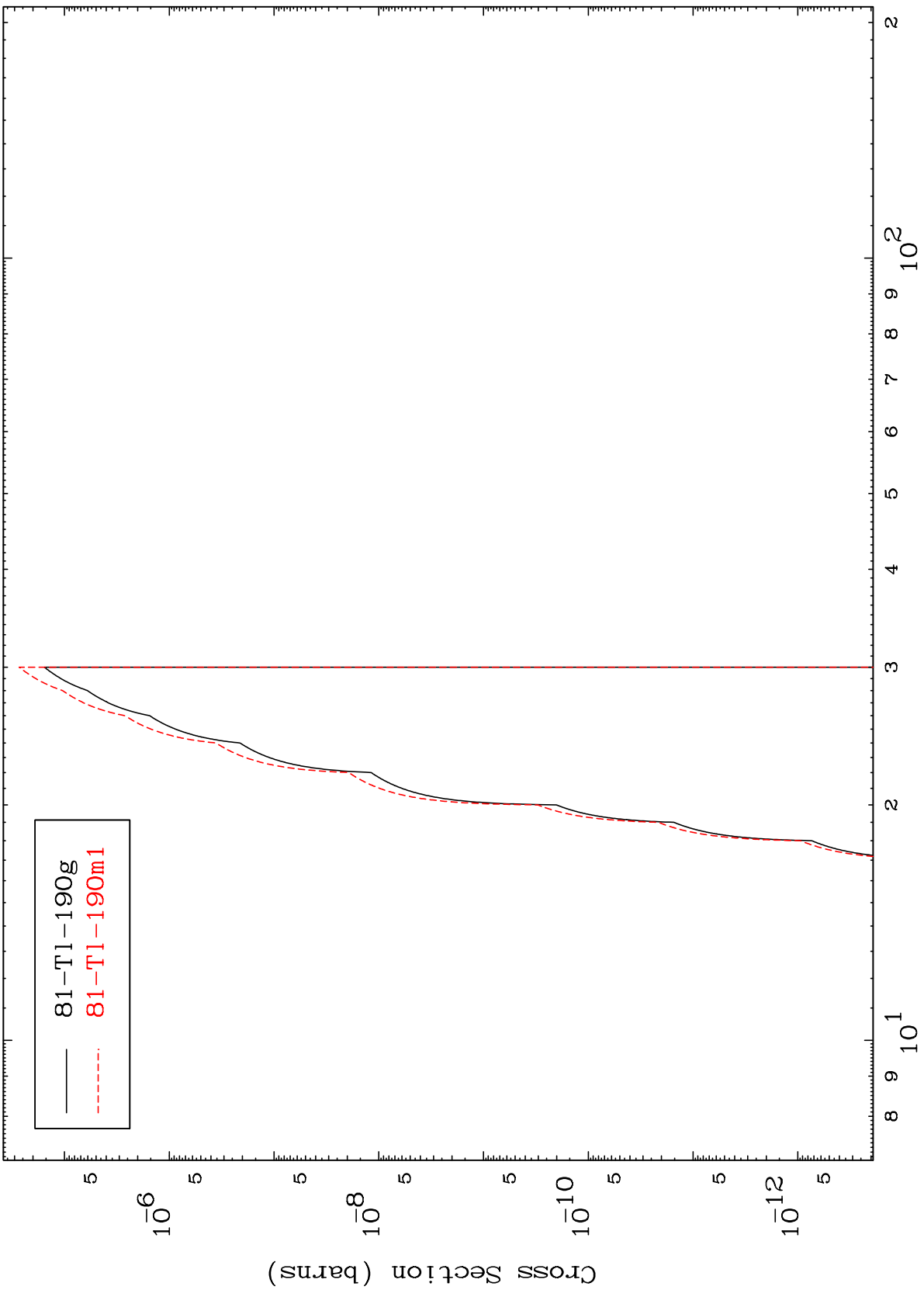


MAT 8189

(n,p) t

82-Pb-192

Radionuclide Production Cross Section



34

Incident Energy (MeV)

82-Pb-192