

Program EVALPLOT
(Version 2021-1)

by

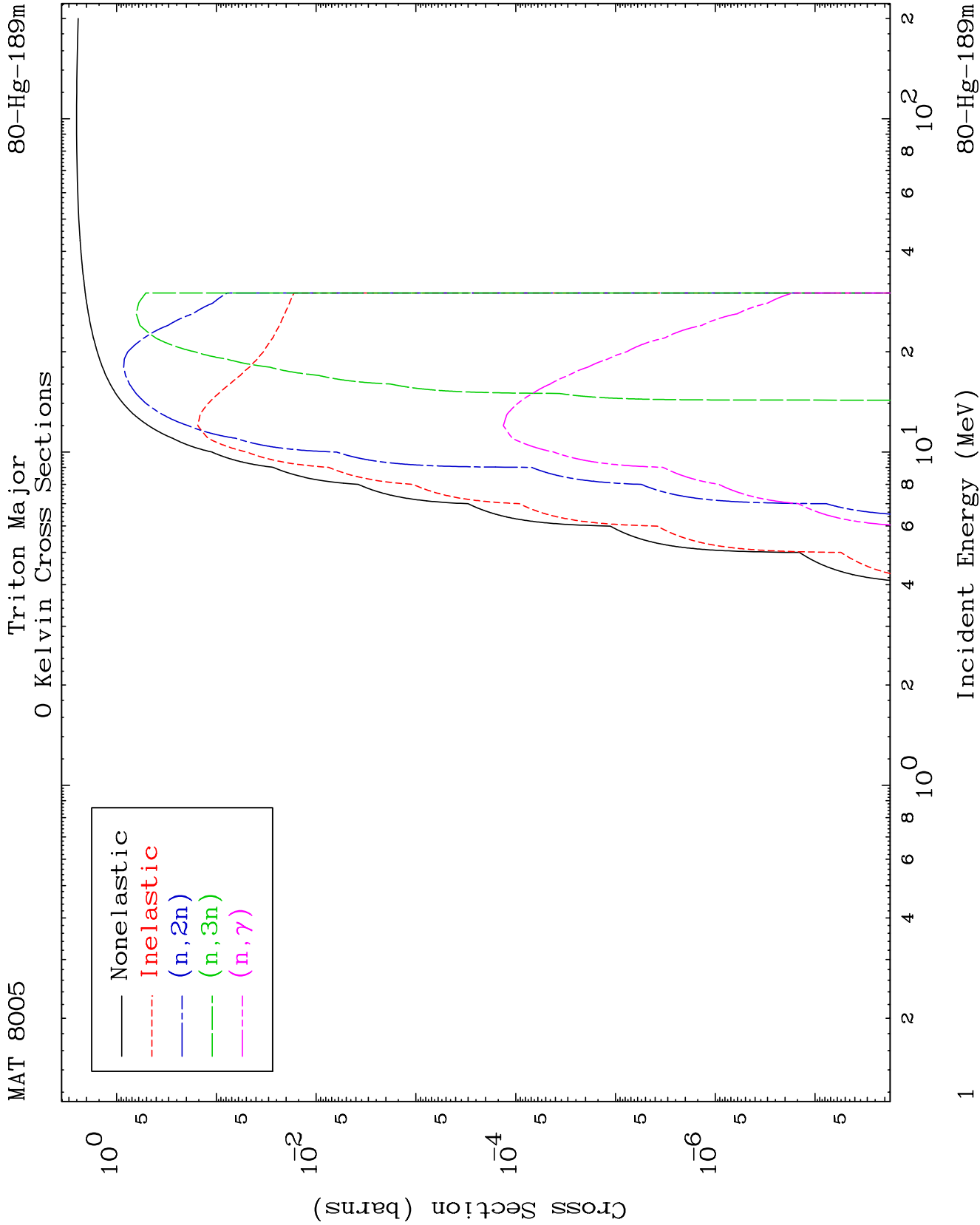
Dermott E. Cullen
(Present Contact Information)

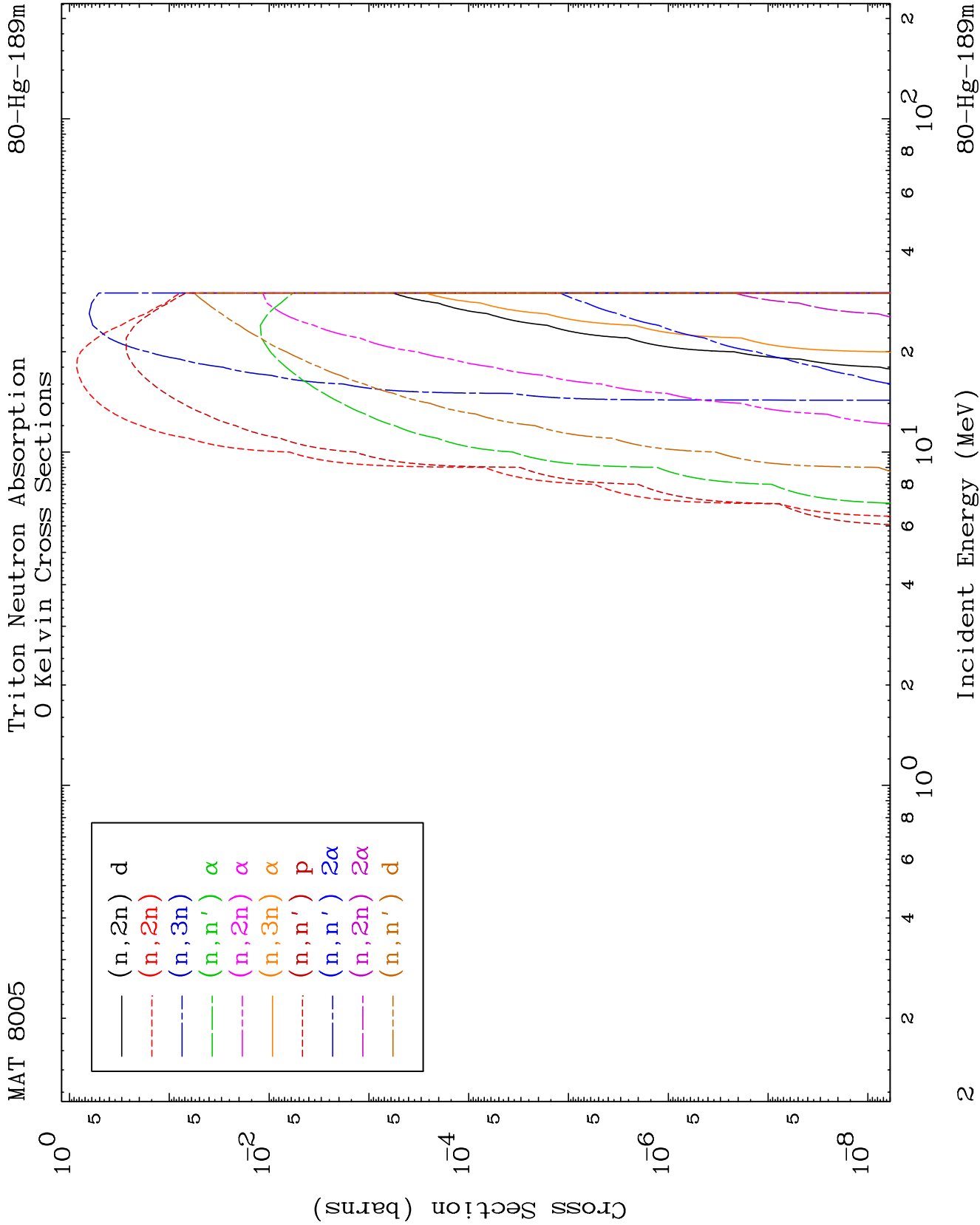
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

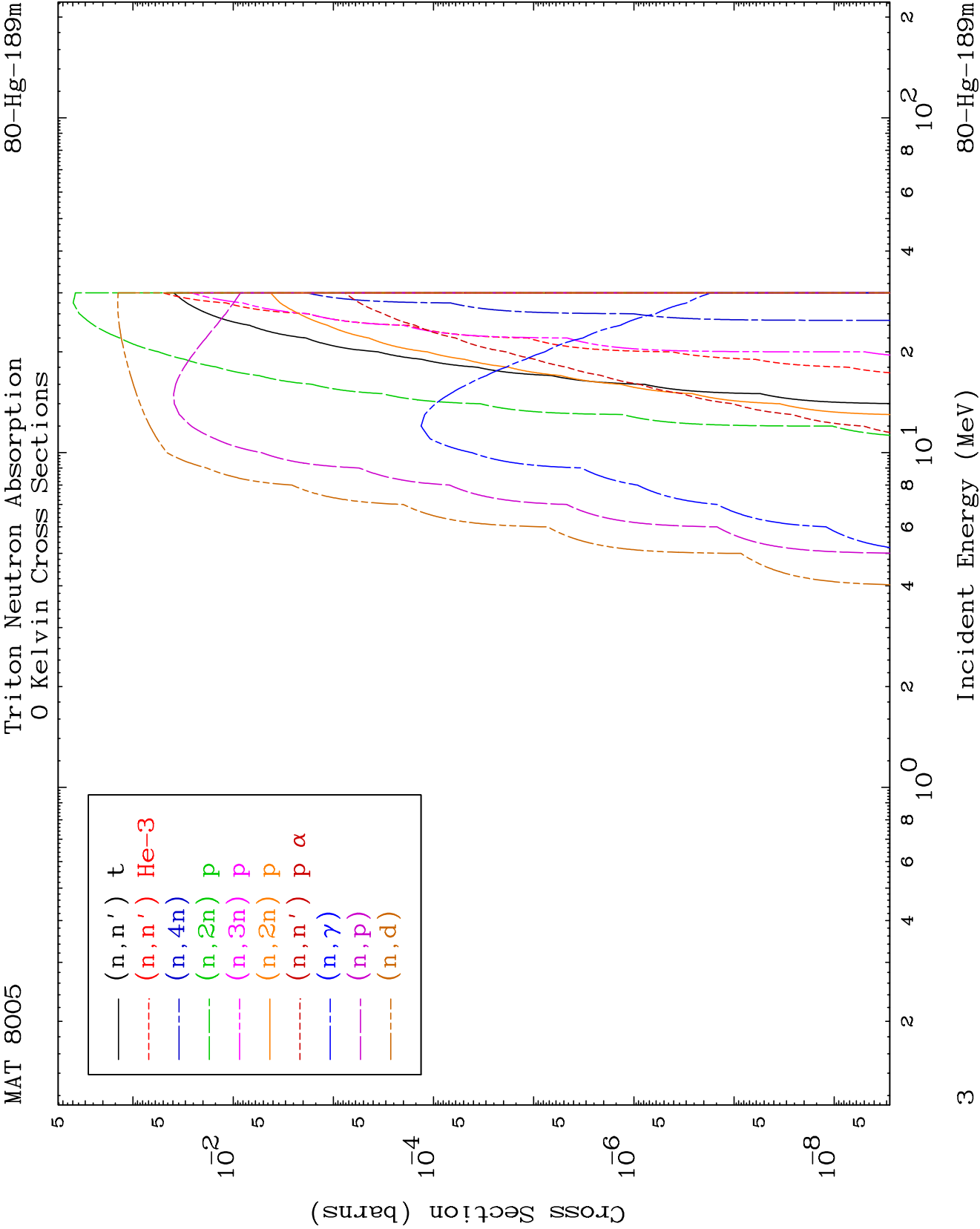
Tele: 925-443-1911

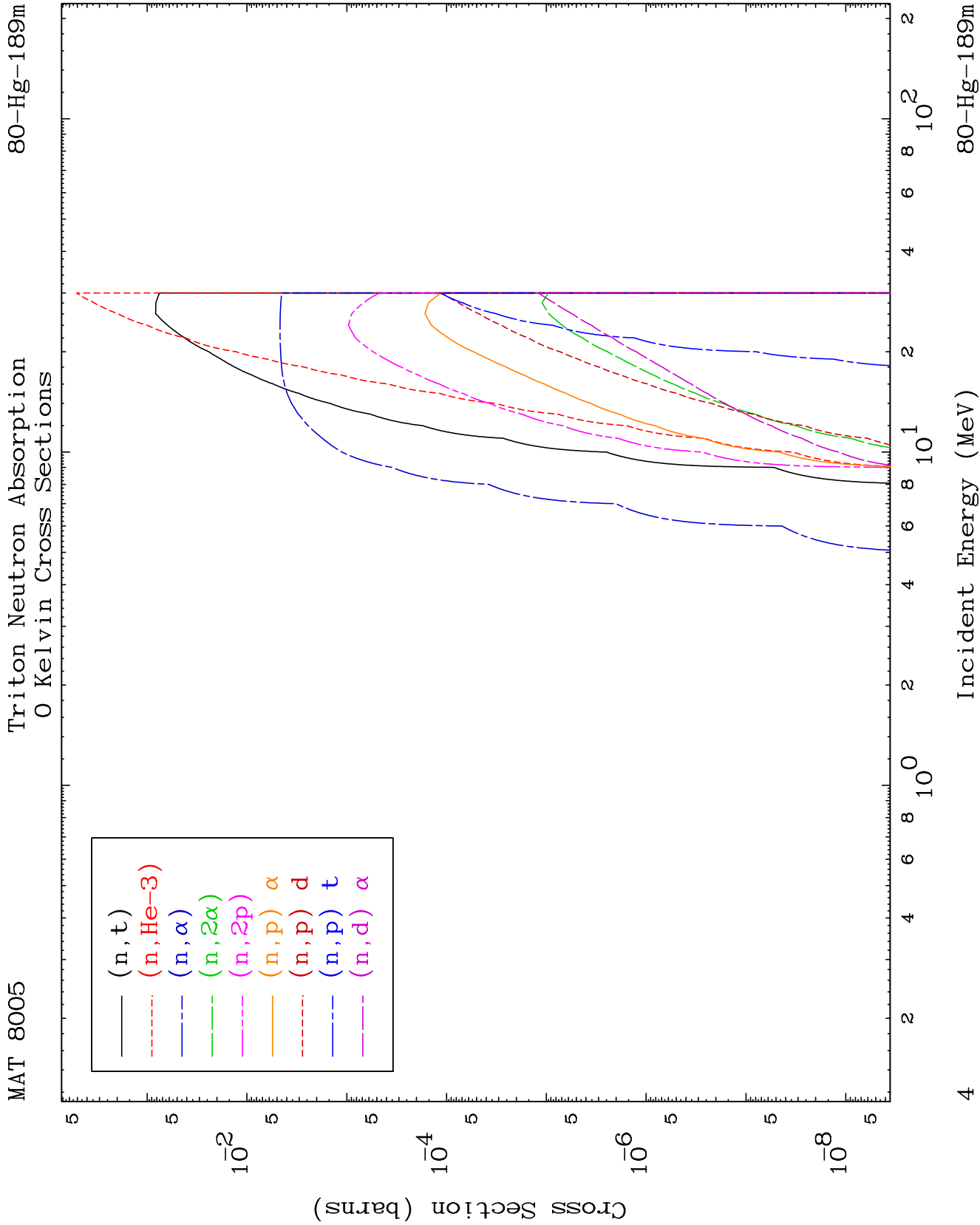
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start





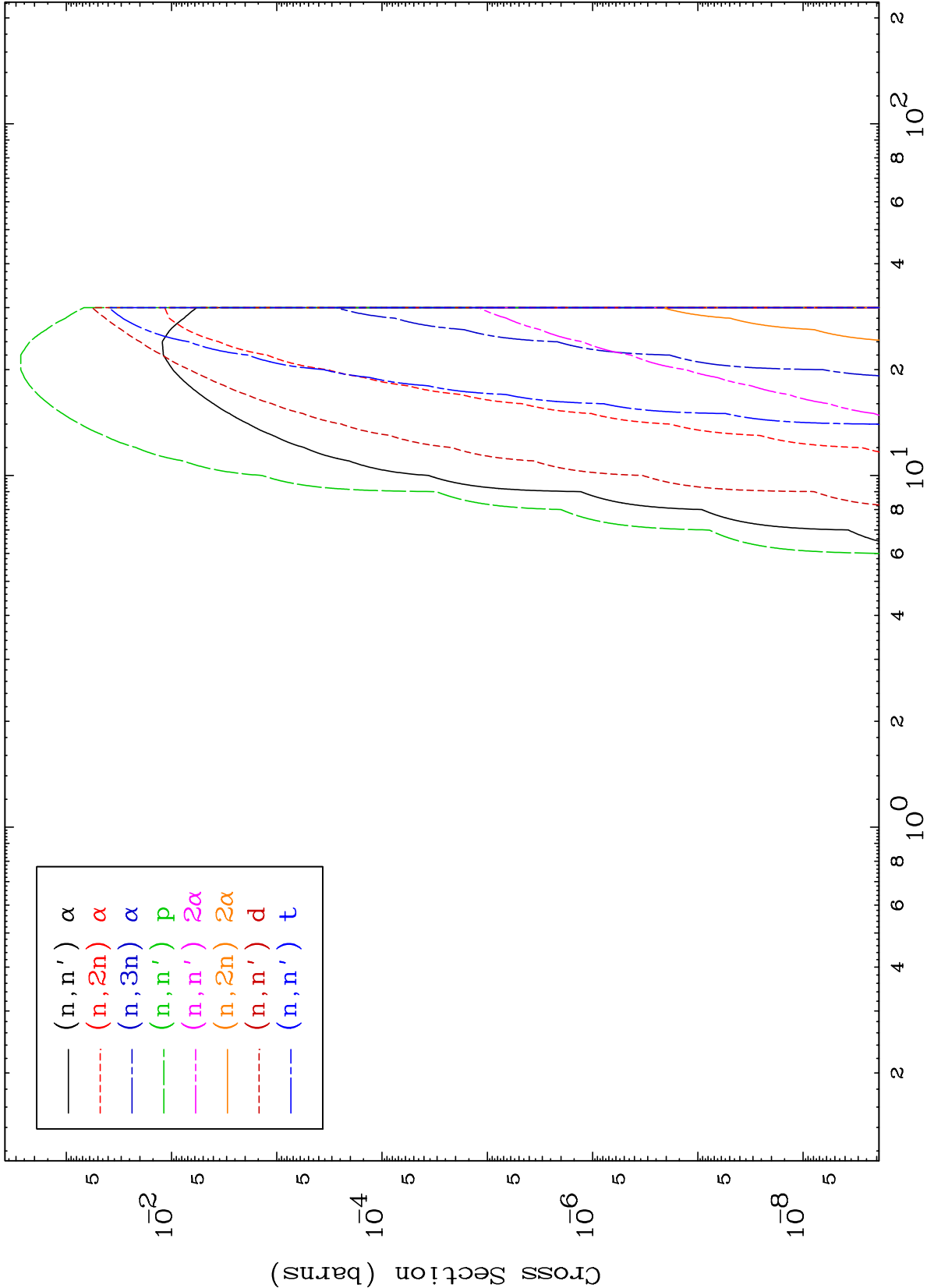


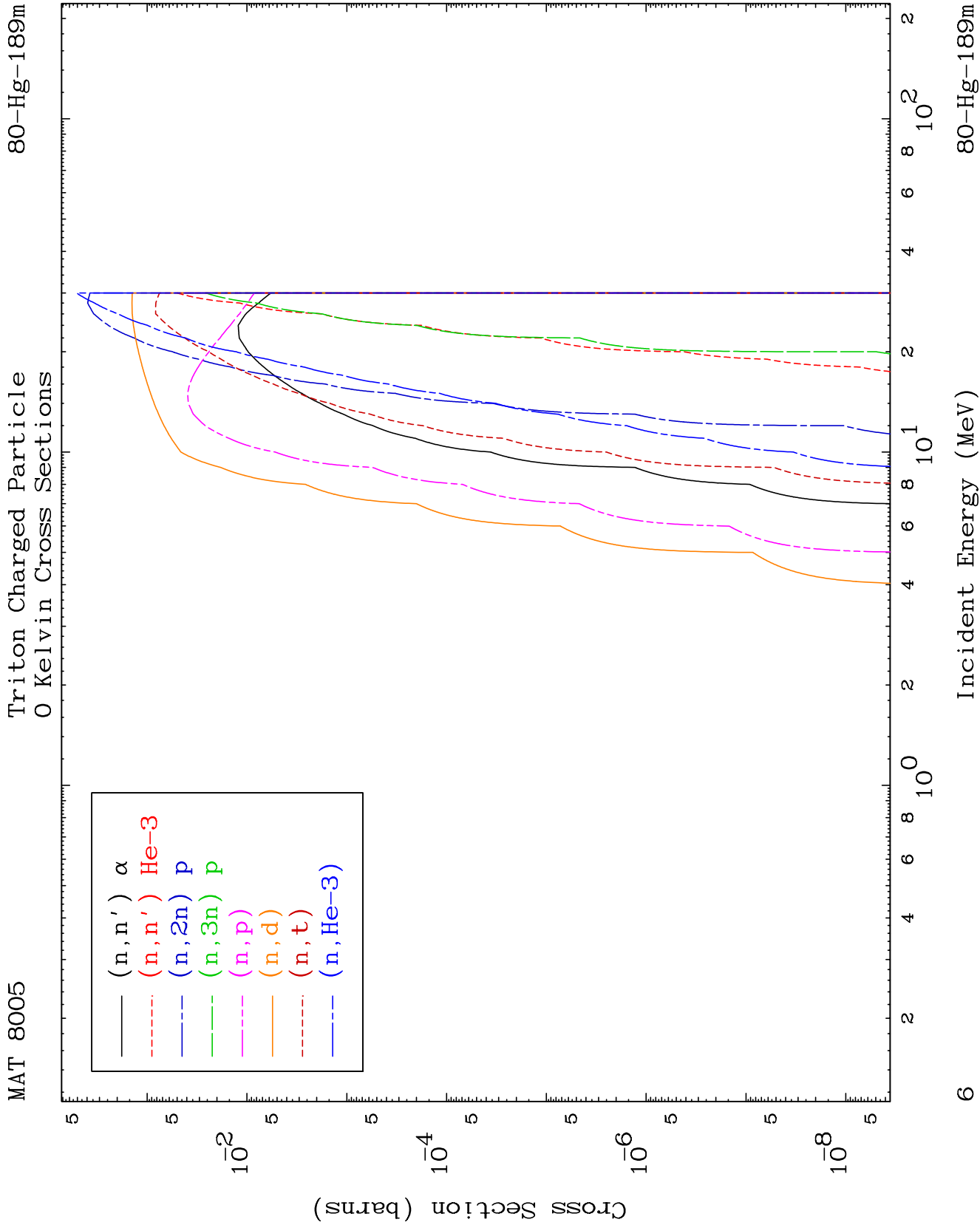


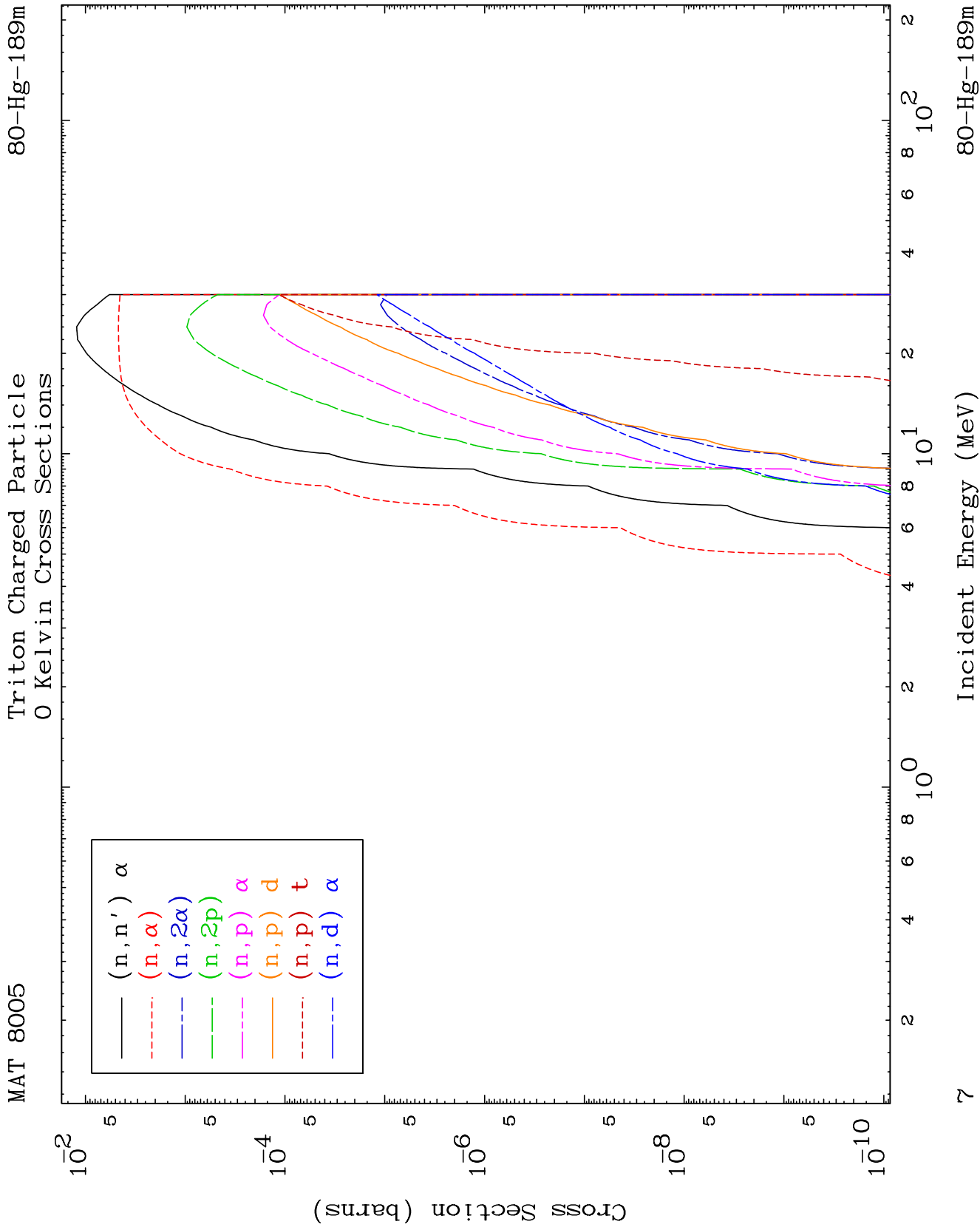
MAT 8005

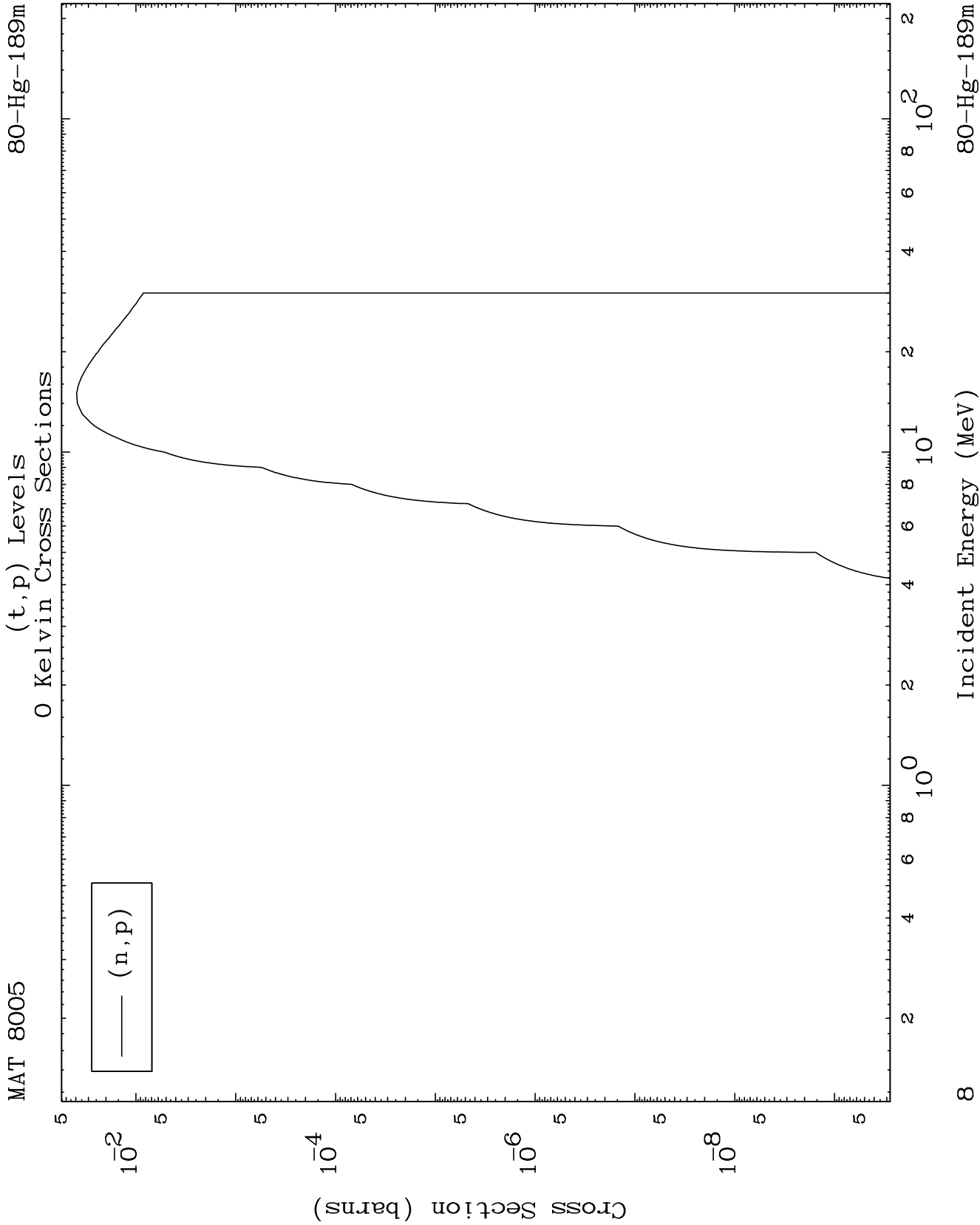
Triton Charged Particle
0 Kelvin Cross Sections

80-Hg-189m





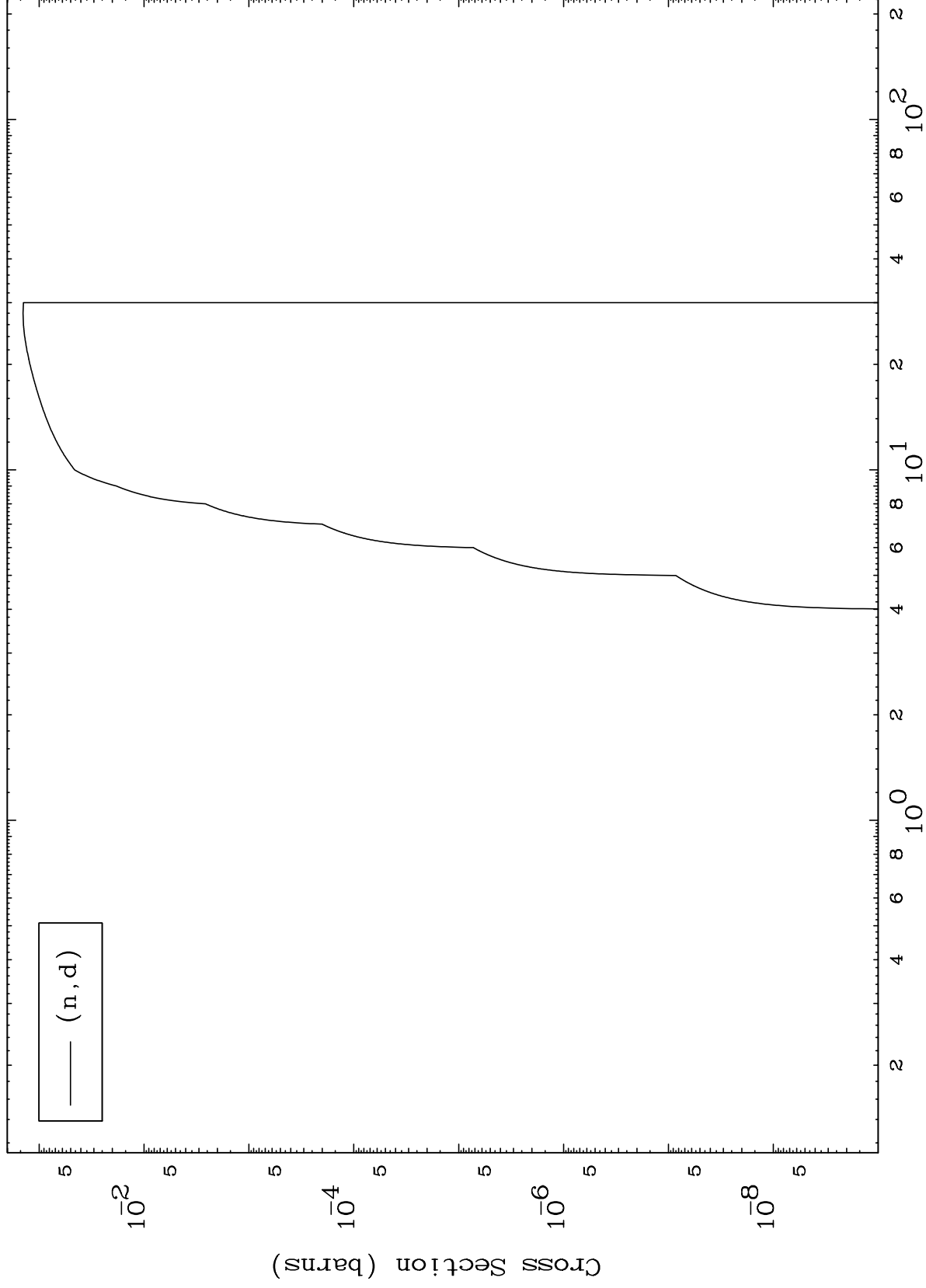


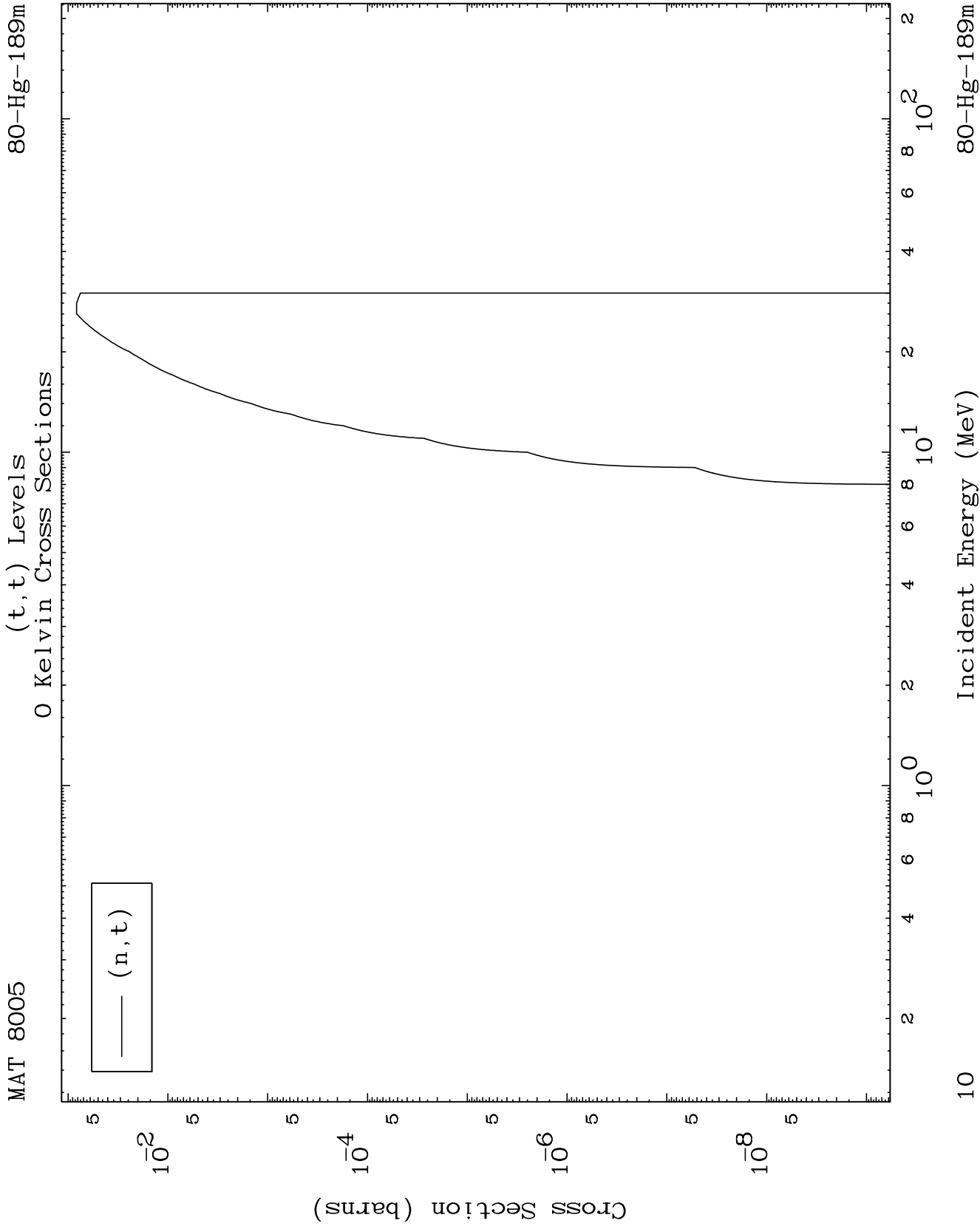


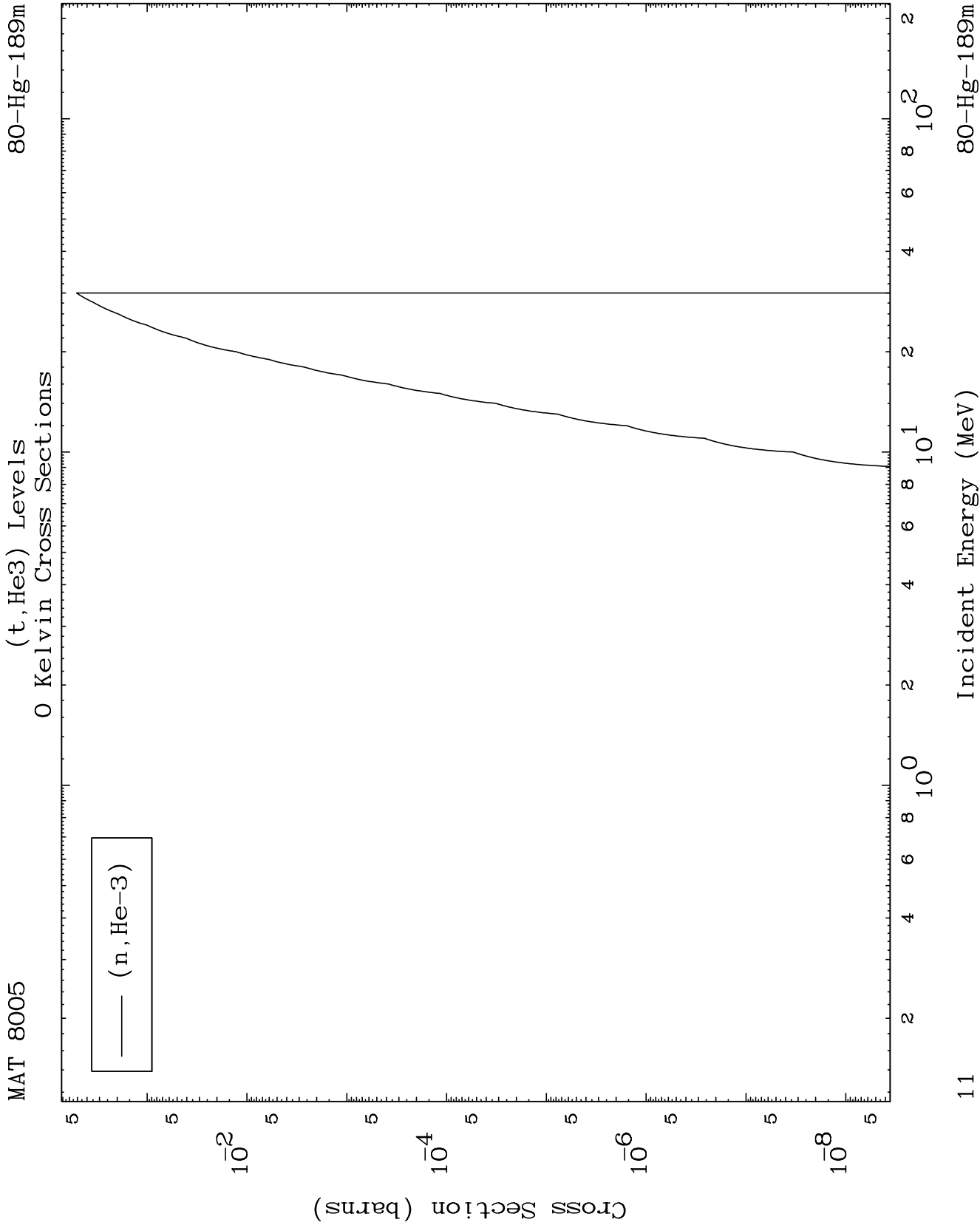
MAT 8005

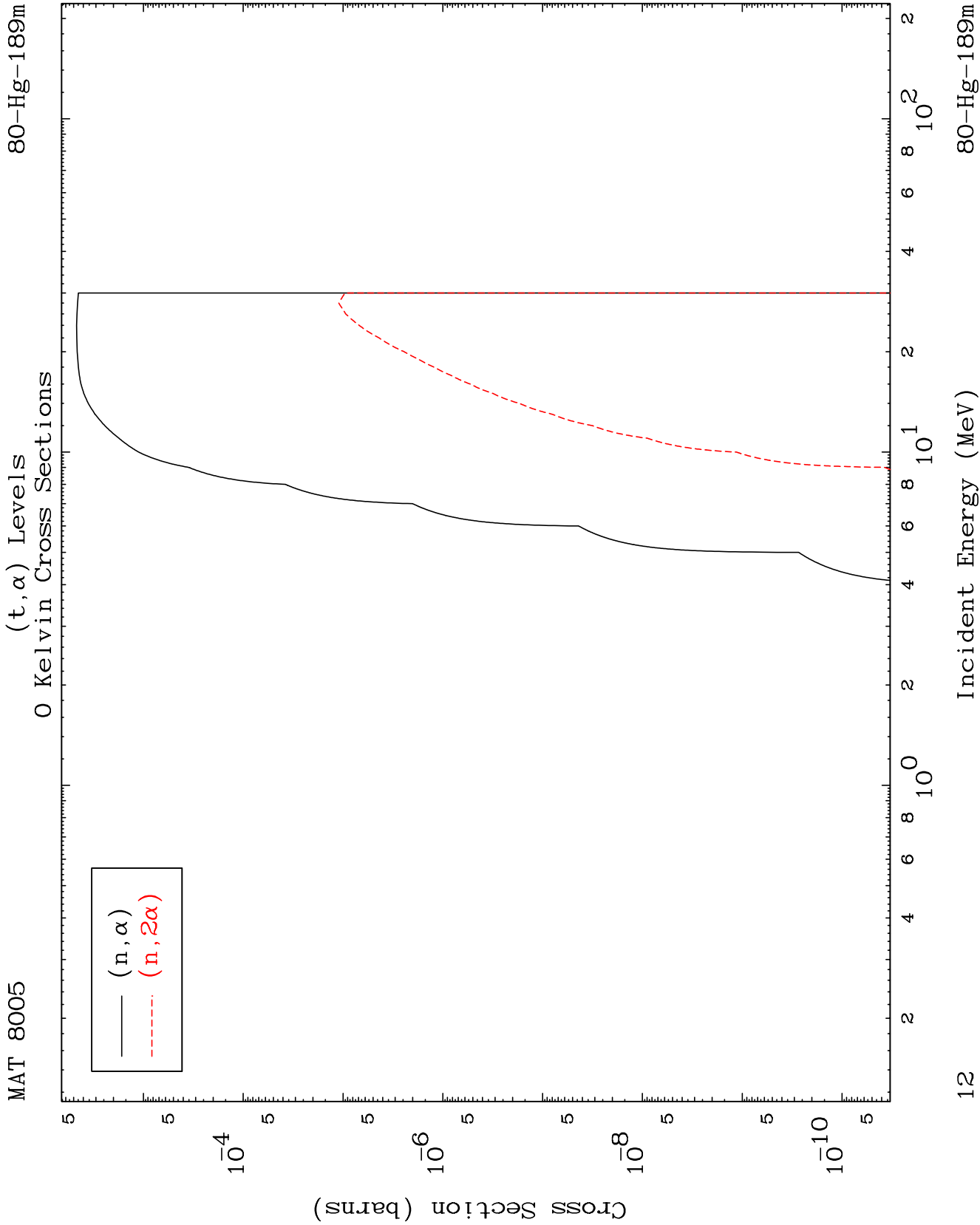
80-Hg-189m

(t,d) Levels
0 Kelvin Cross Sections





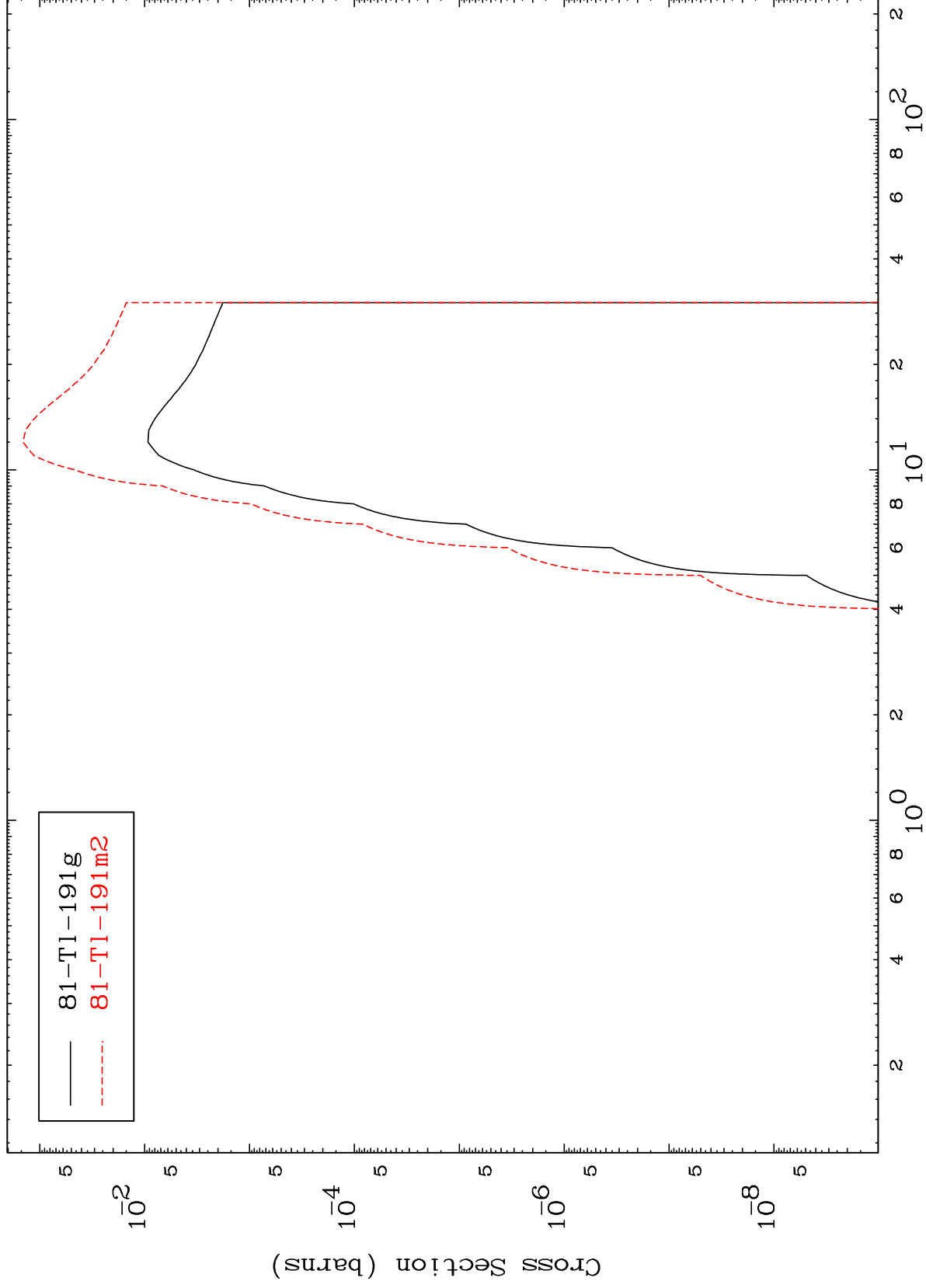




MAT 8005

Radionuclide Production Cross Section

80-Hg-189m



13

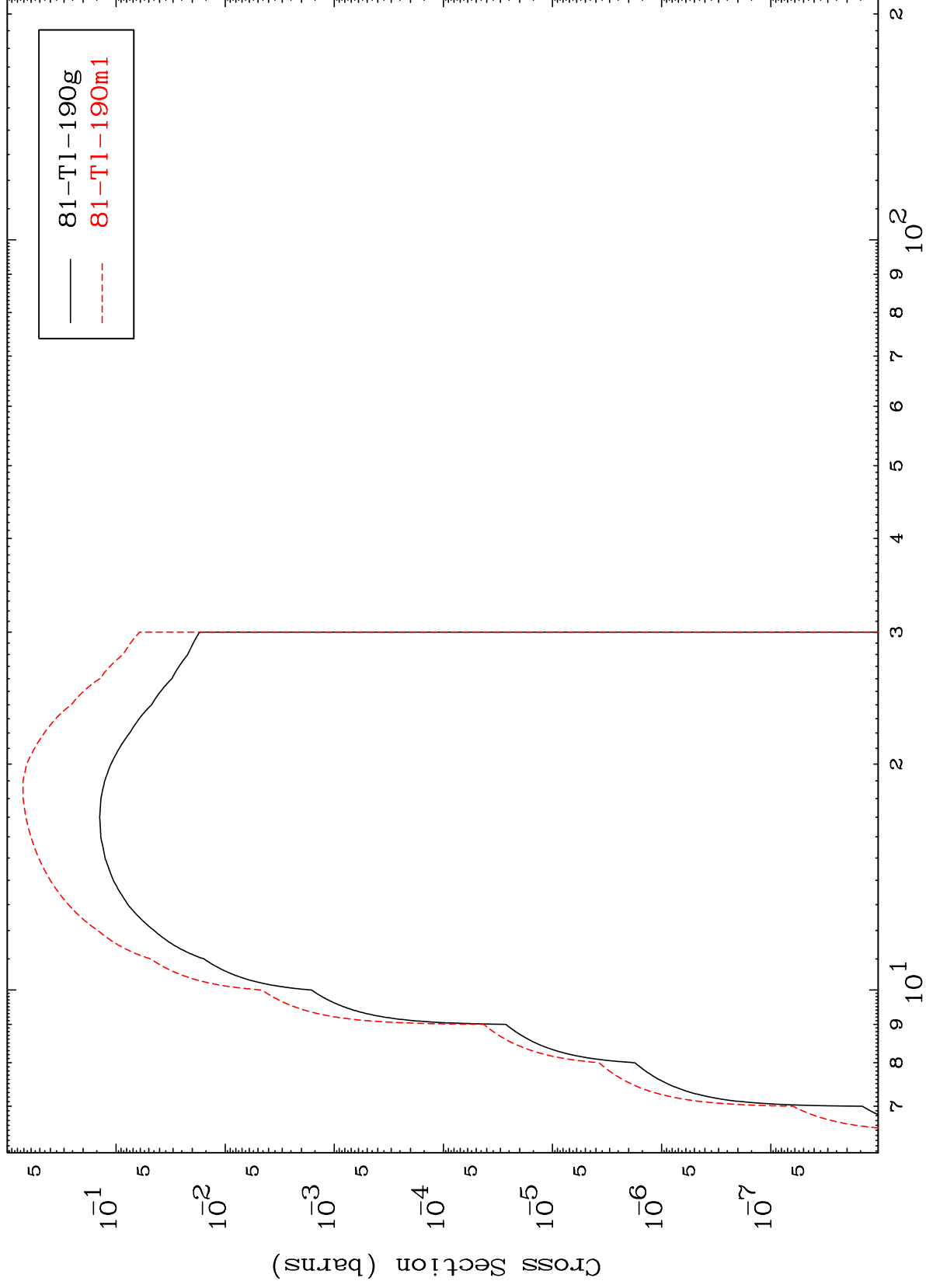
Incident Energy (MeV)

80-Hg-189m

MAT 8005

80-Hg-189m

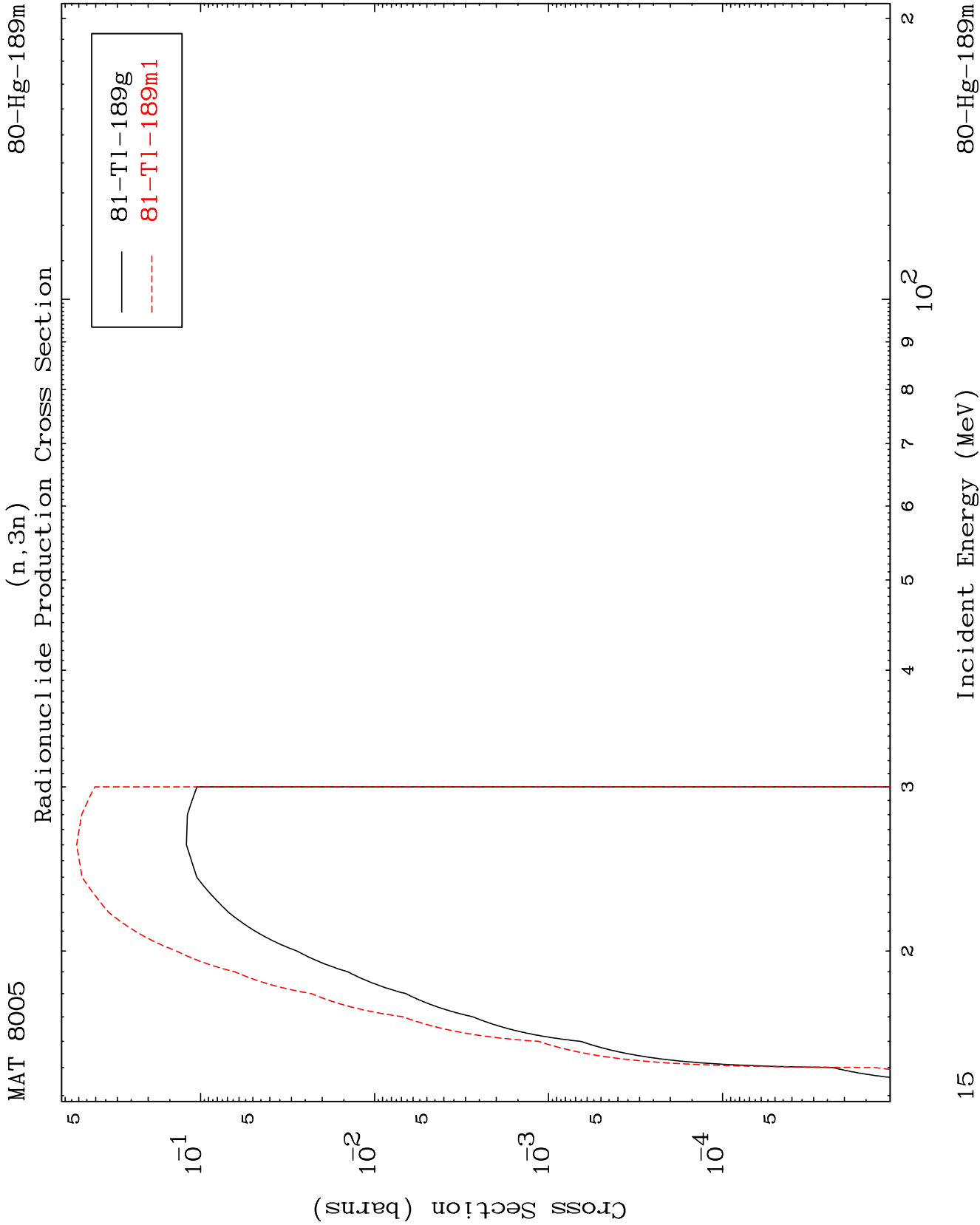
(n,2n)
Radionuclide Production Cross Section



80-Hg-189m

Incident Energy (MeV)

14



MAT 8005

Fission

80-Hg-189m

Radionuclide Production Cross Section

— 0-??-Nat

Cross Section (barns)

10^{-2}

10^{-4}

10^{-6}

10^{-8}

4 6 8 10⁰

2

4

6

8

10¹

2

4

6

8

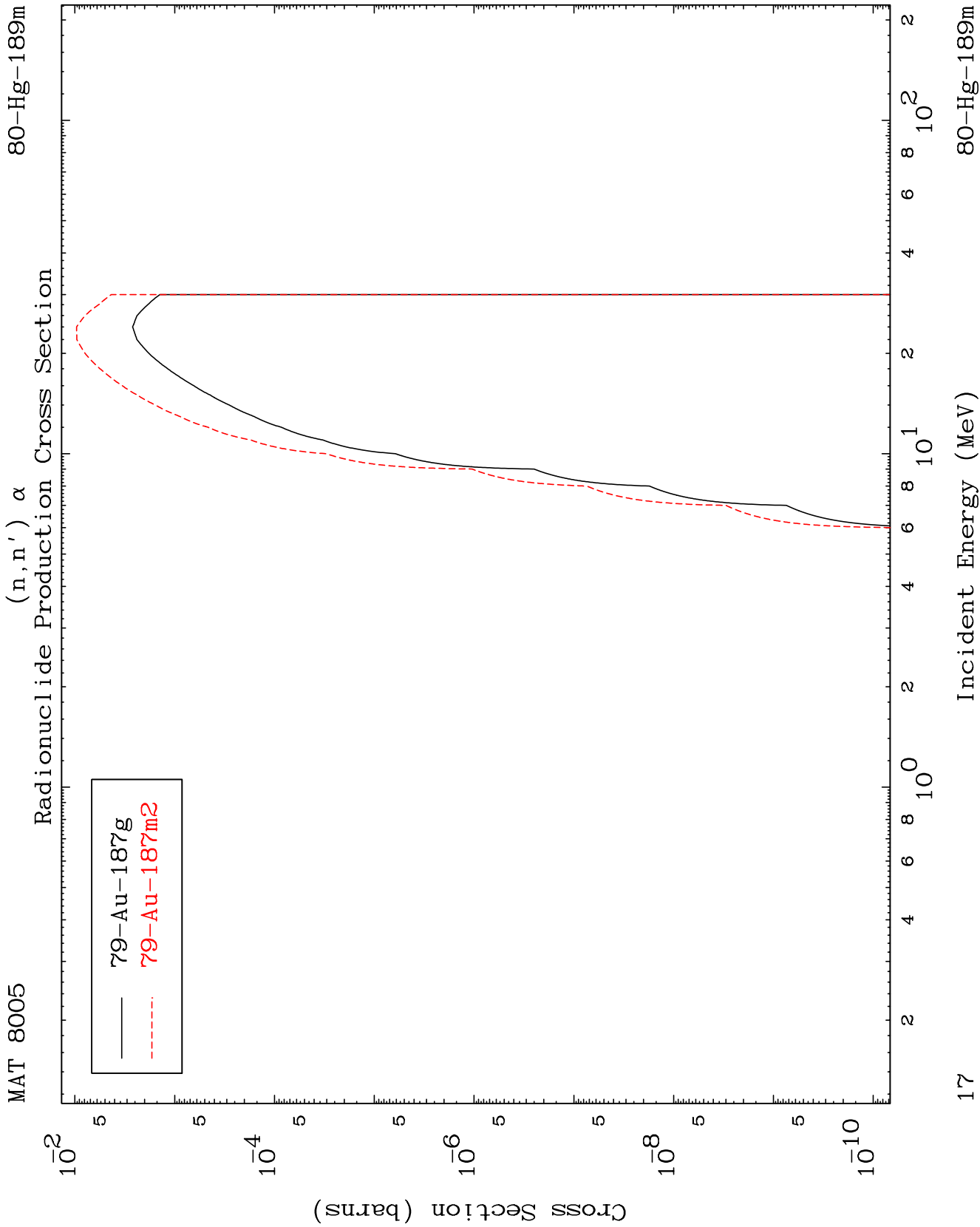
10²

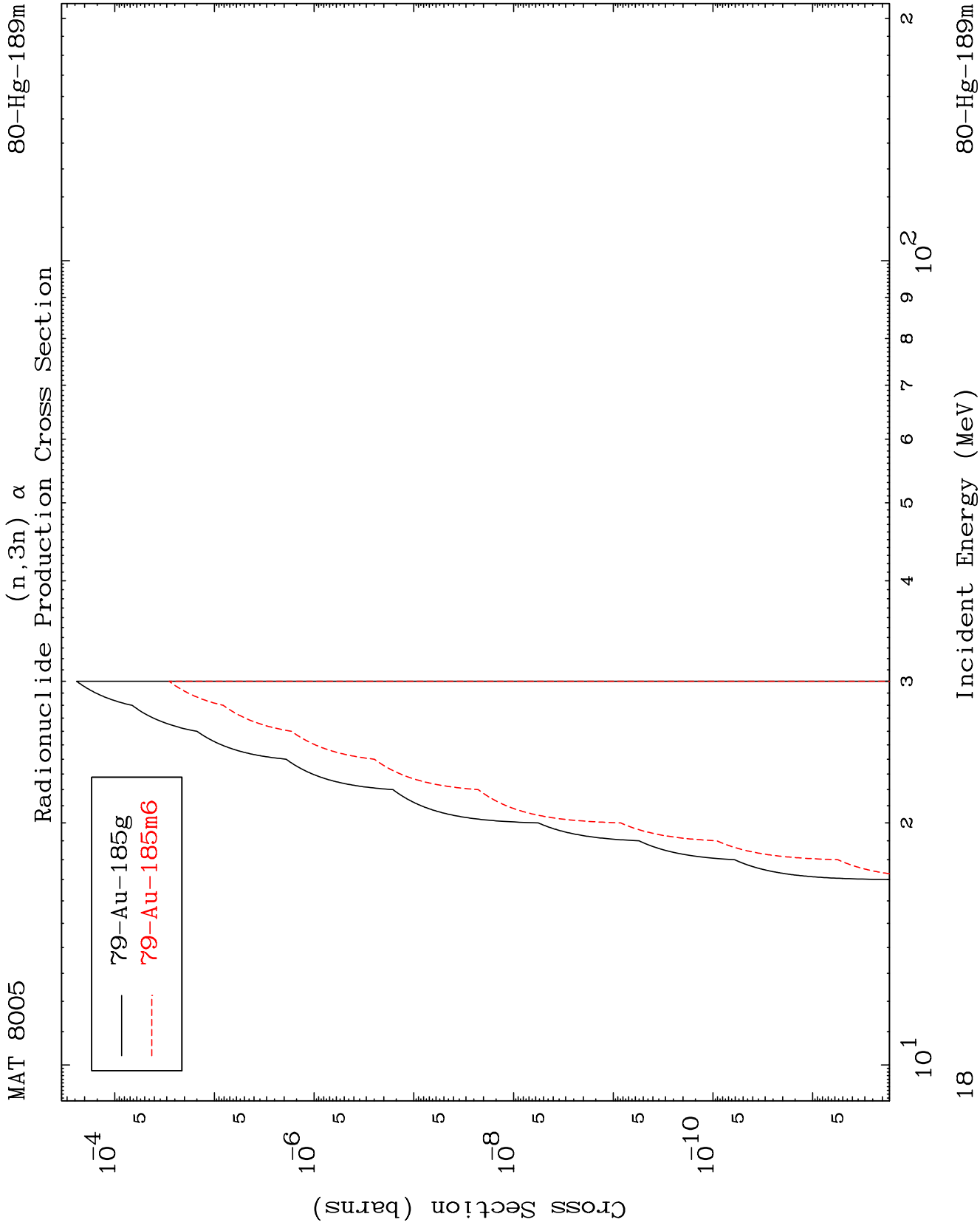
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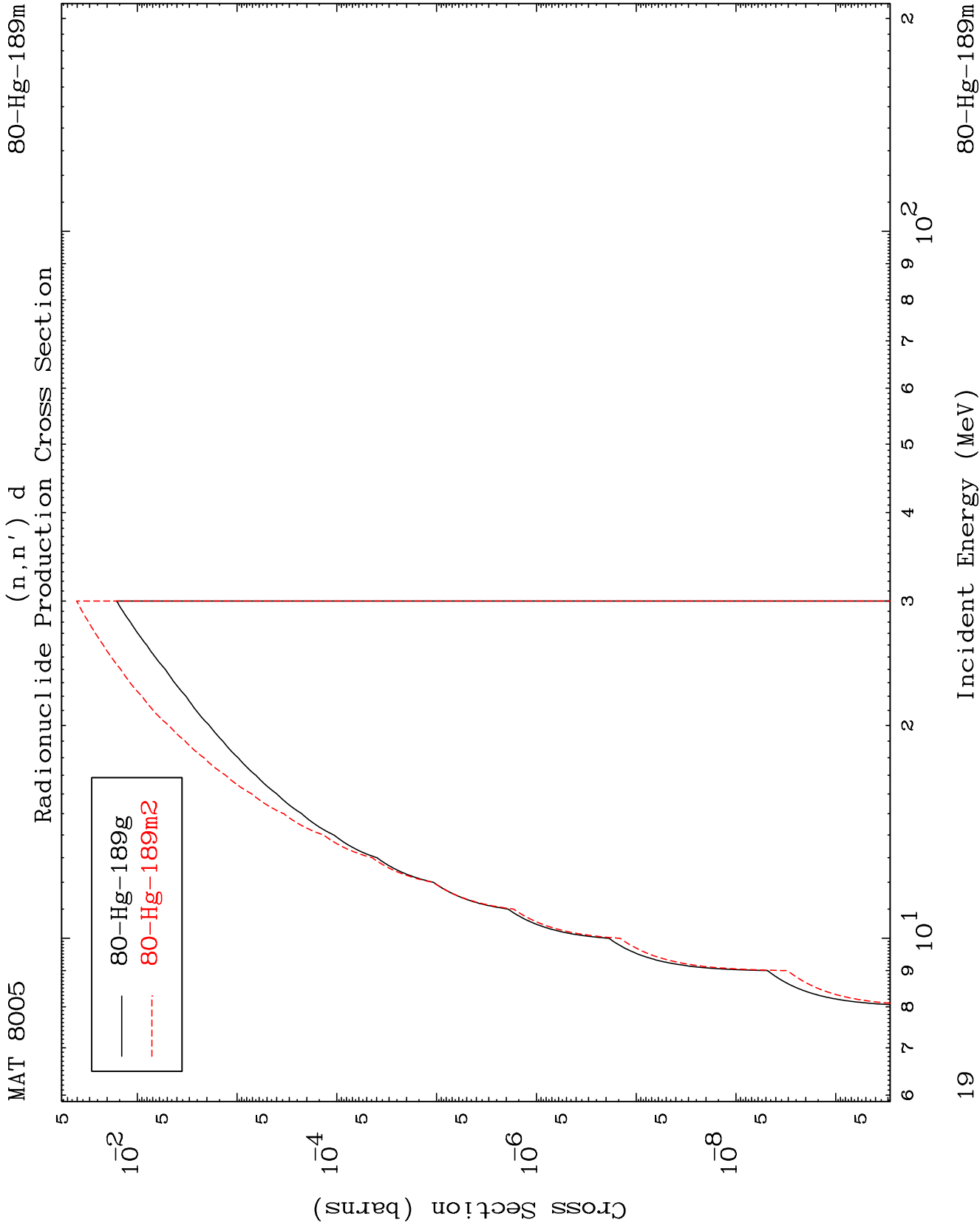
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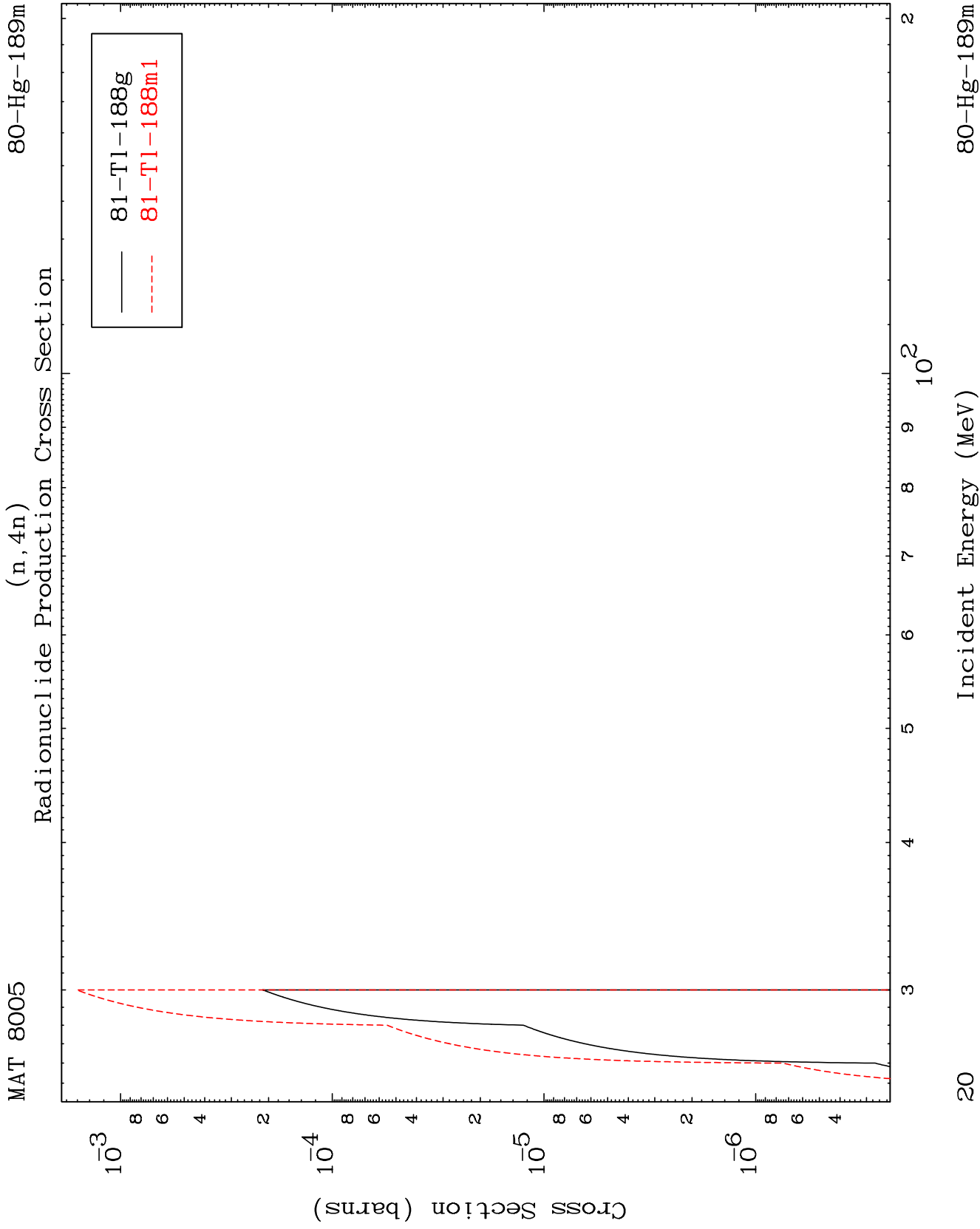
Incident Energy (MeV)

80-Hg-189m





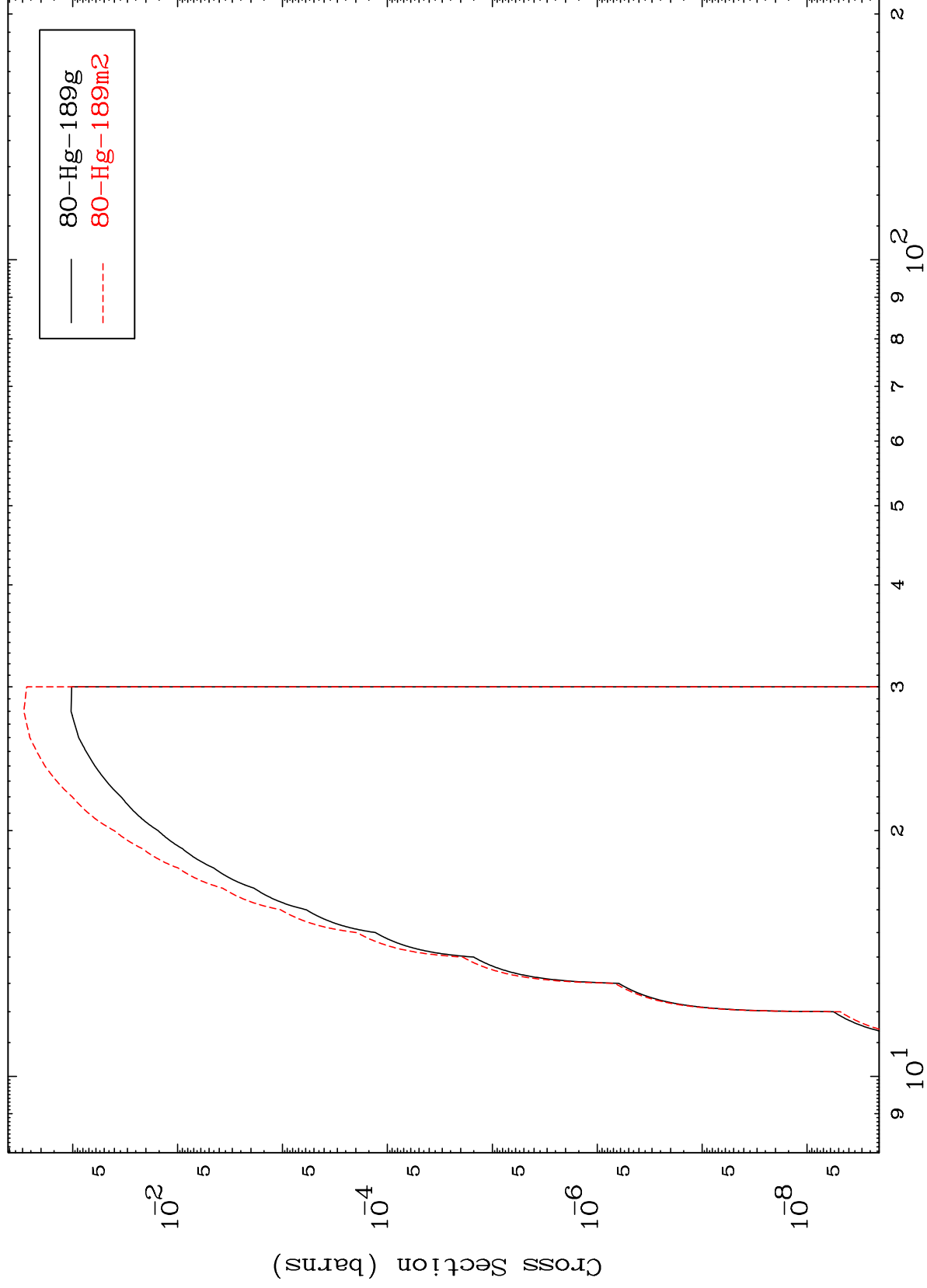




MAT 8005

80-Hg-189m

(n,2n) p
Radionuclide Production Cross Section



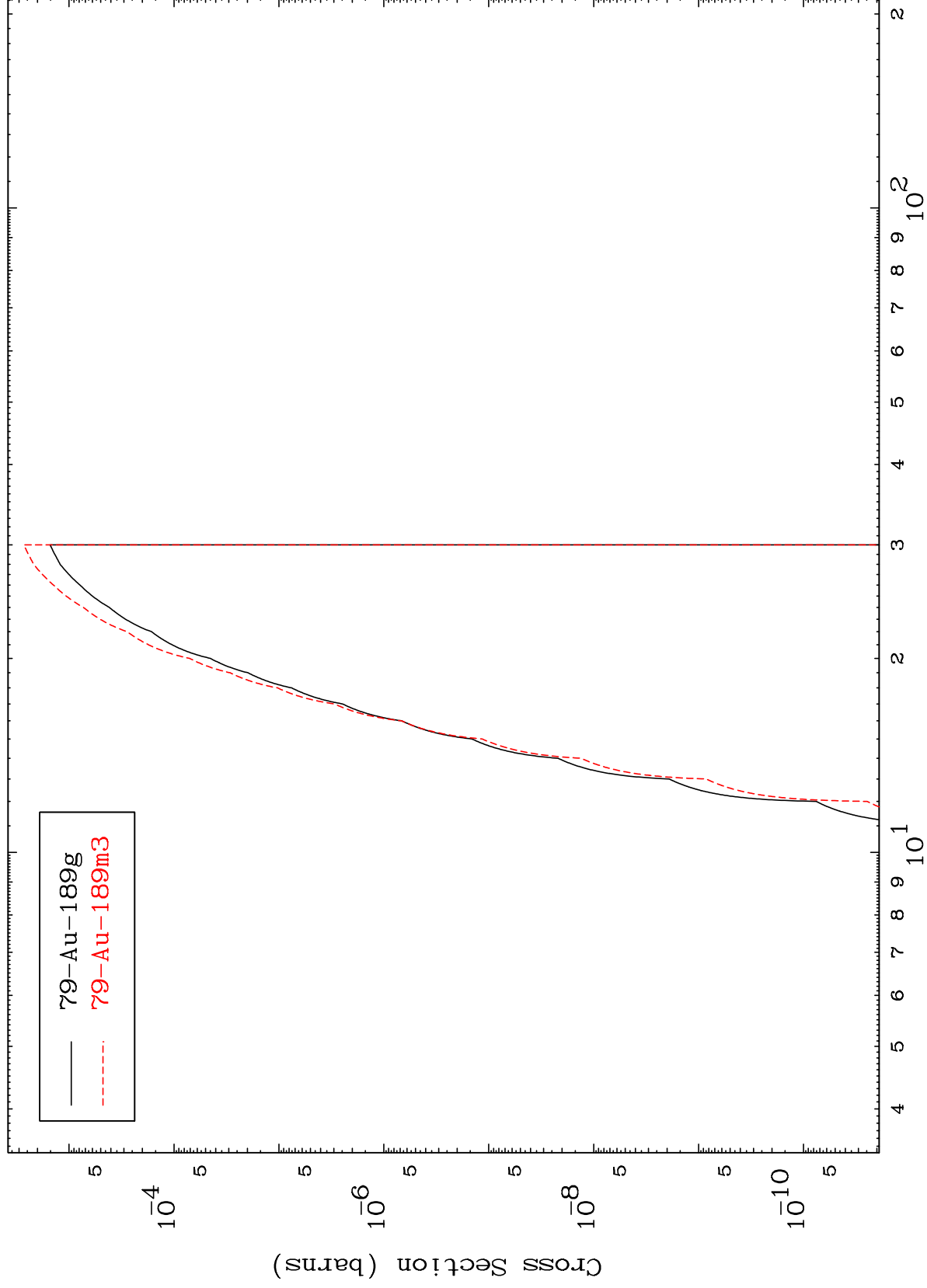
21

80-Hg-189m

MAT 8005

80-Hg-189m

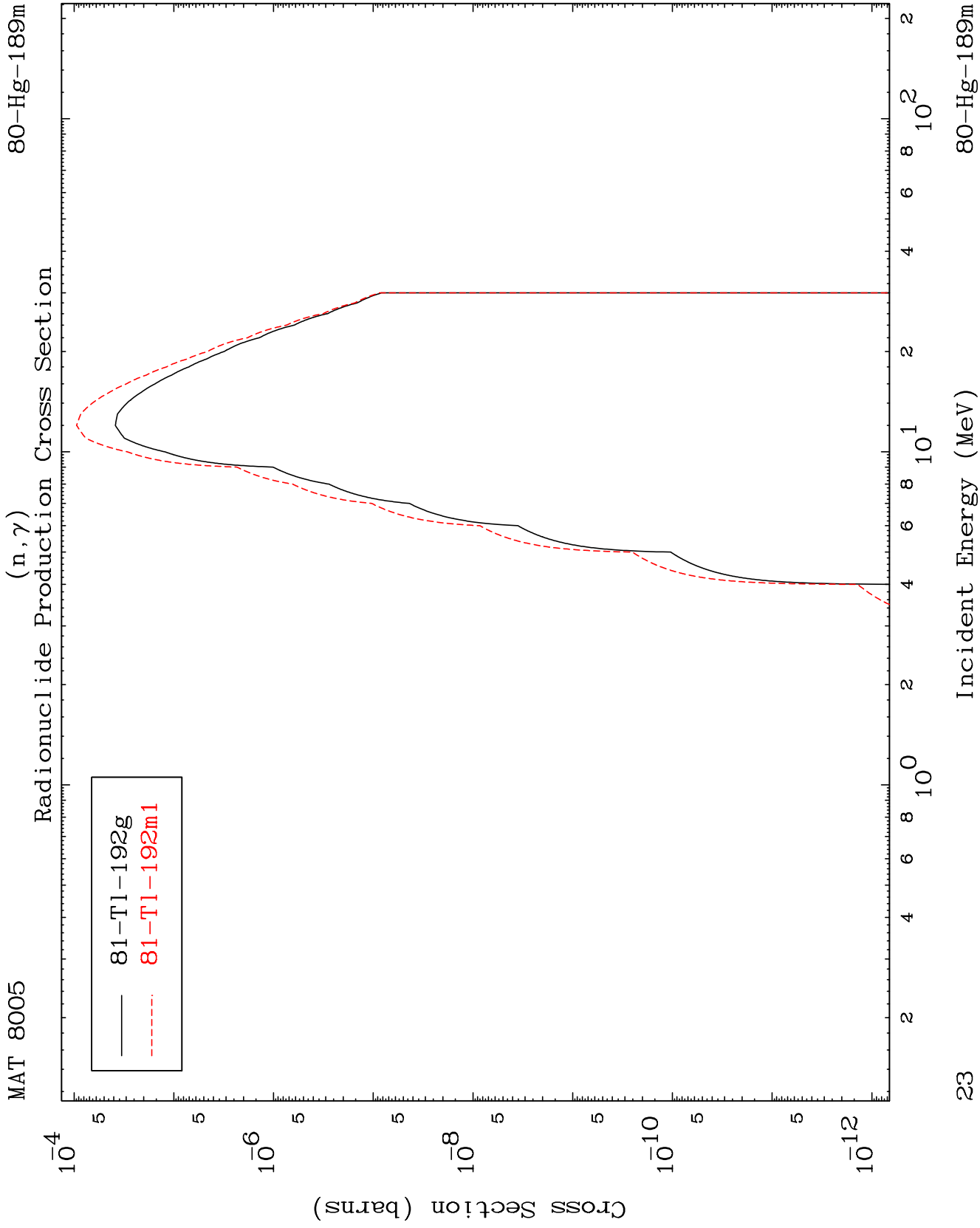
(n,2n) p
Radionuclide Production Cross Section



Incident Energy (MeV)

80-Hg-189m

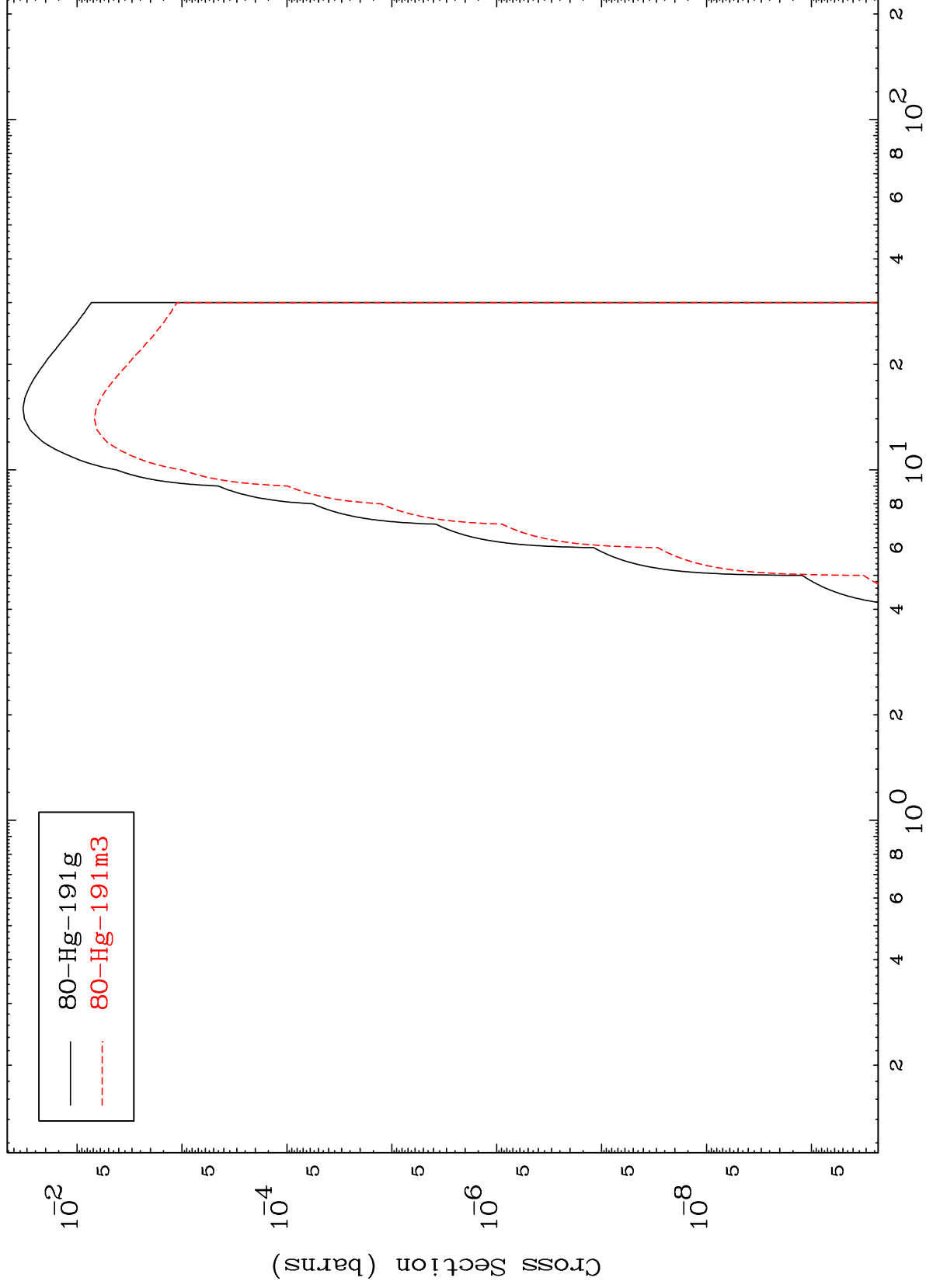
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MAT 8005

80-Hg-189m

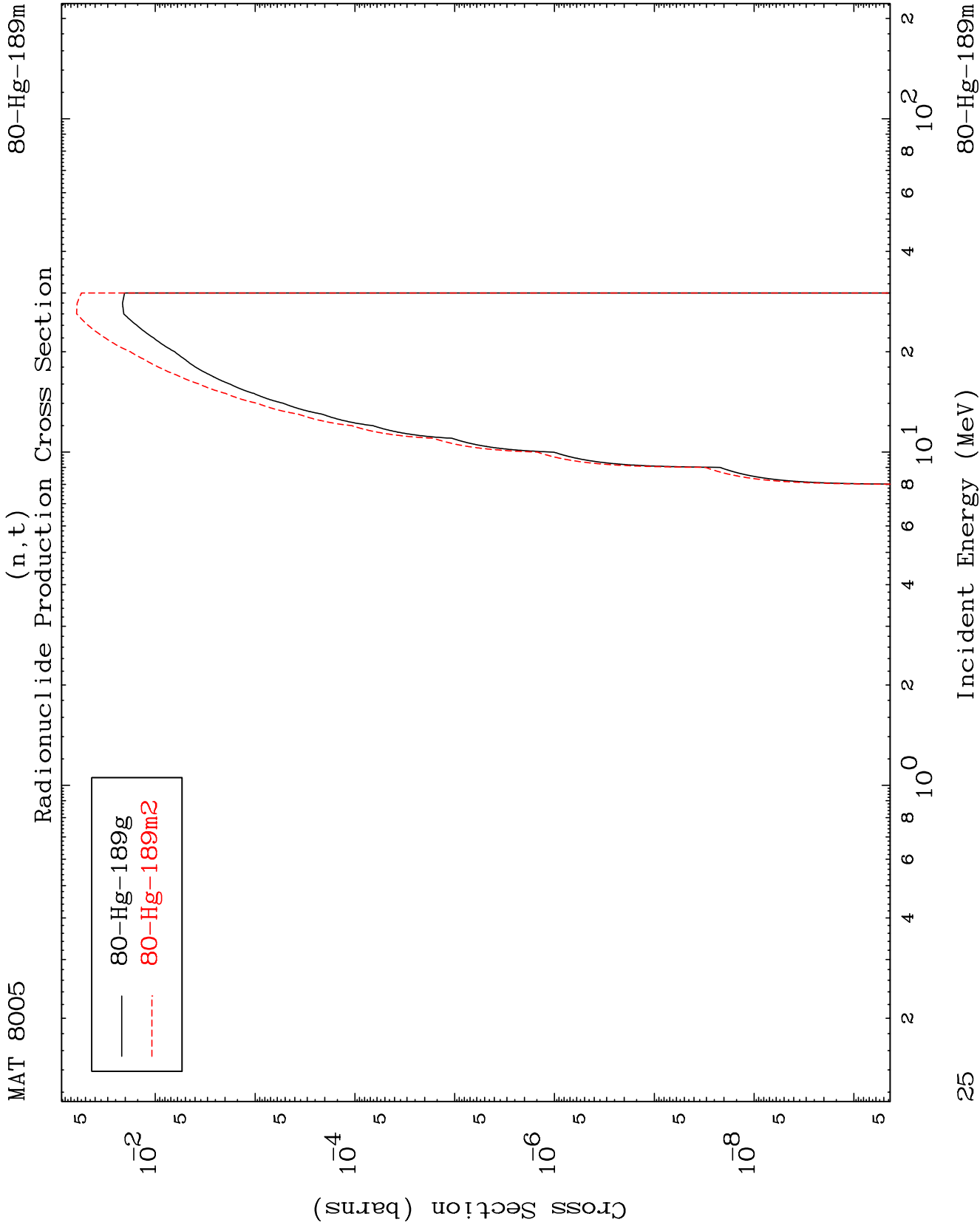
Radionuclide Production Cross Section
(n,p)



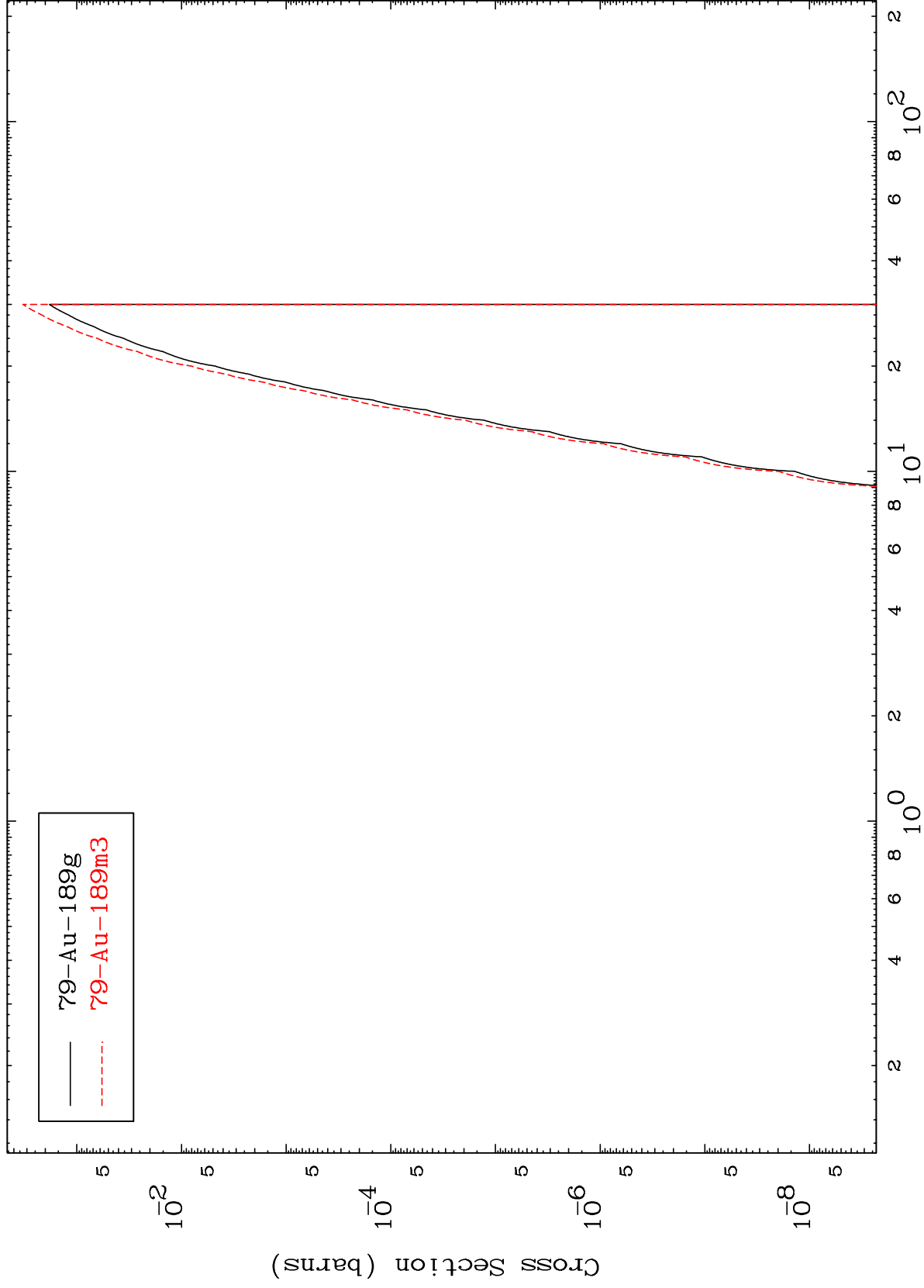
24

Incident Energy (MeV)

80-Hg-189m



Radionuclide Production Cross Section

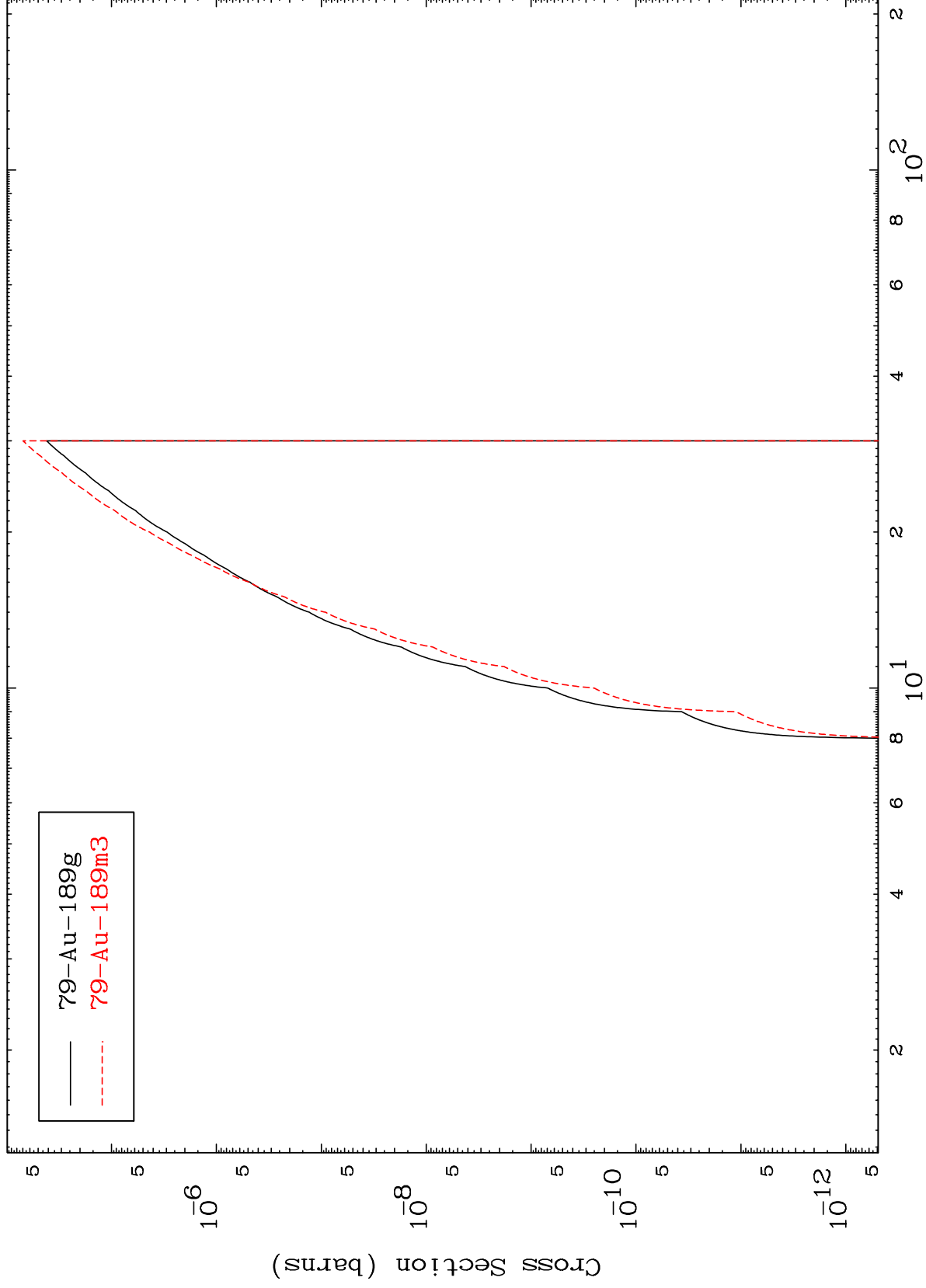


MAT 8005

(n,p) d

80-Hg-189m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

80-Hg-189m