

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

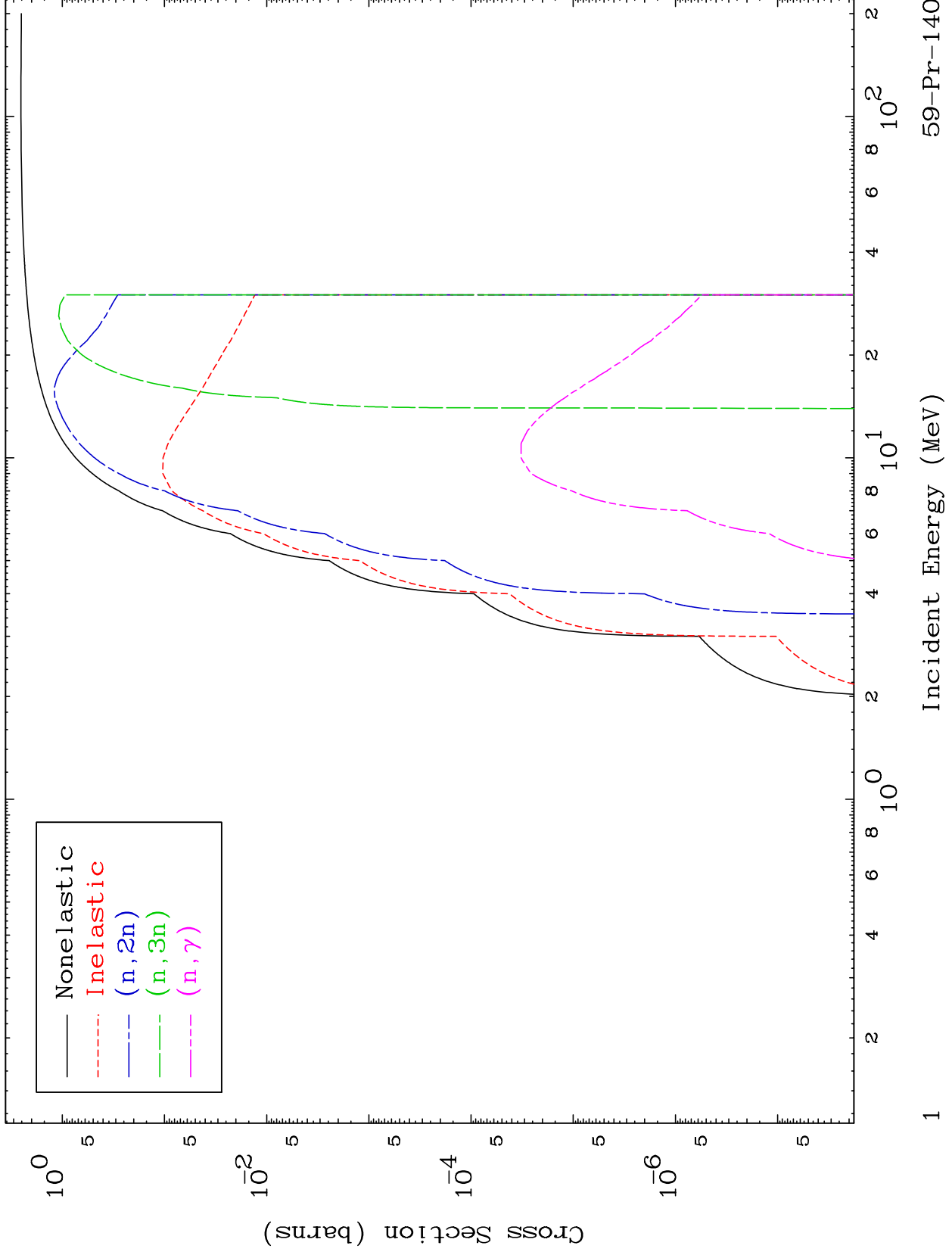
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

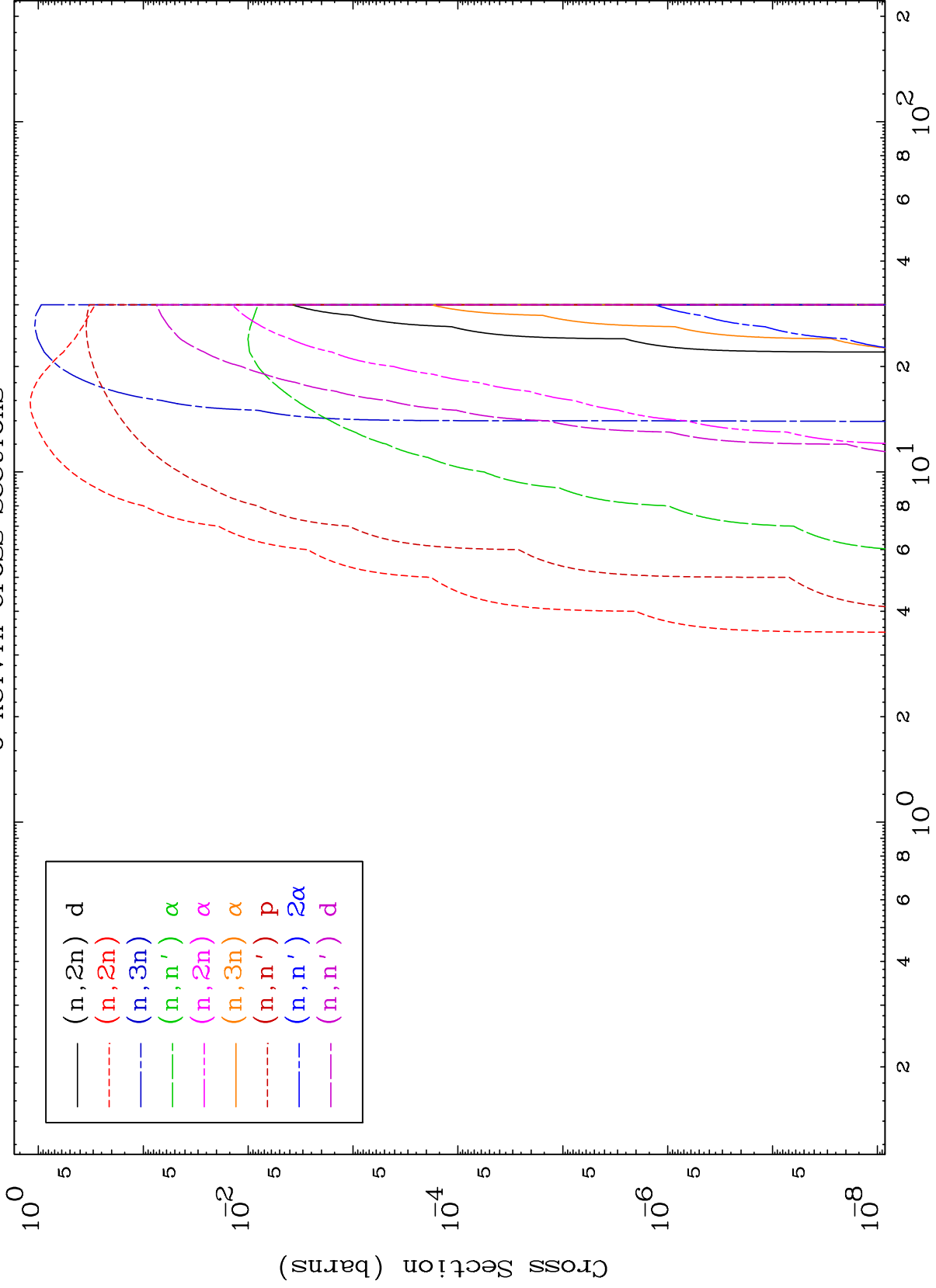
Tele: 925-443-1911

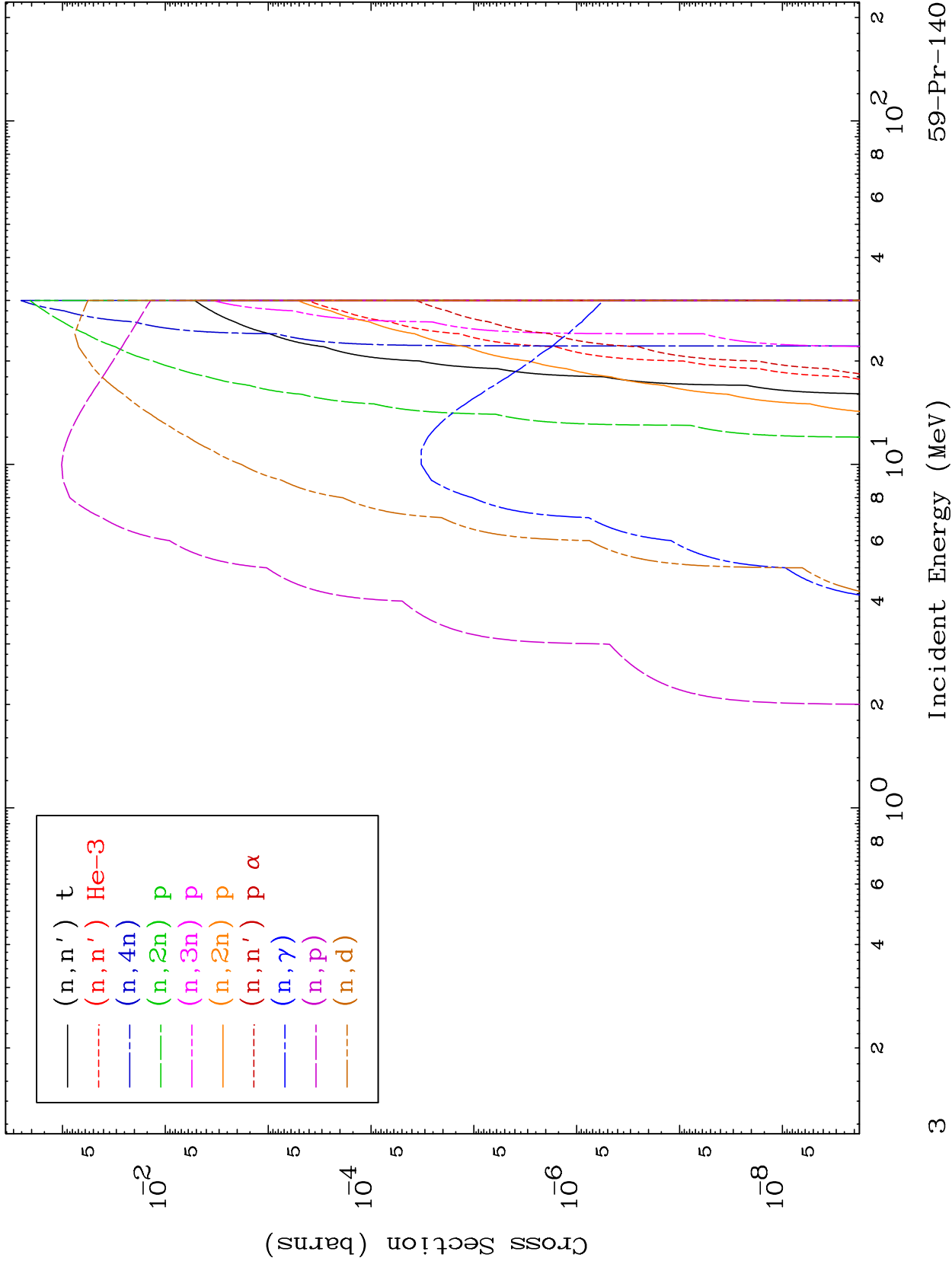
E.Mail:redcullen1@comcast.net

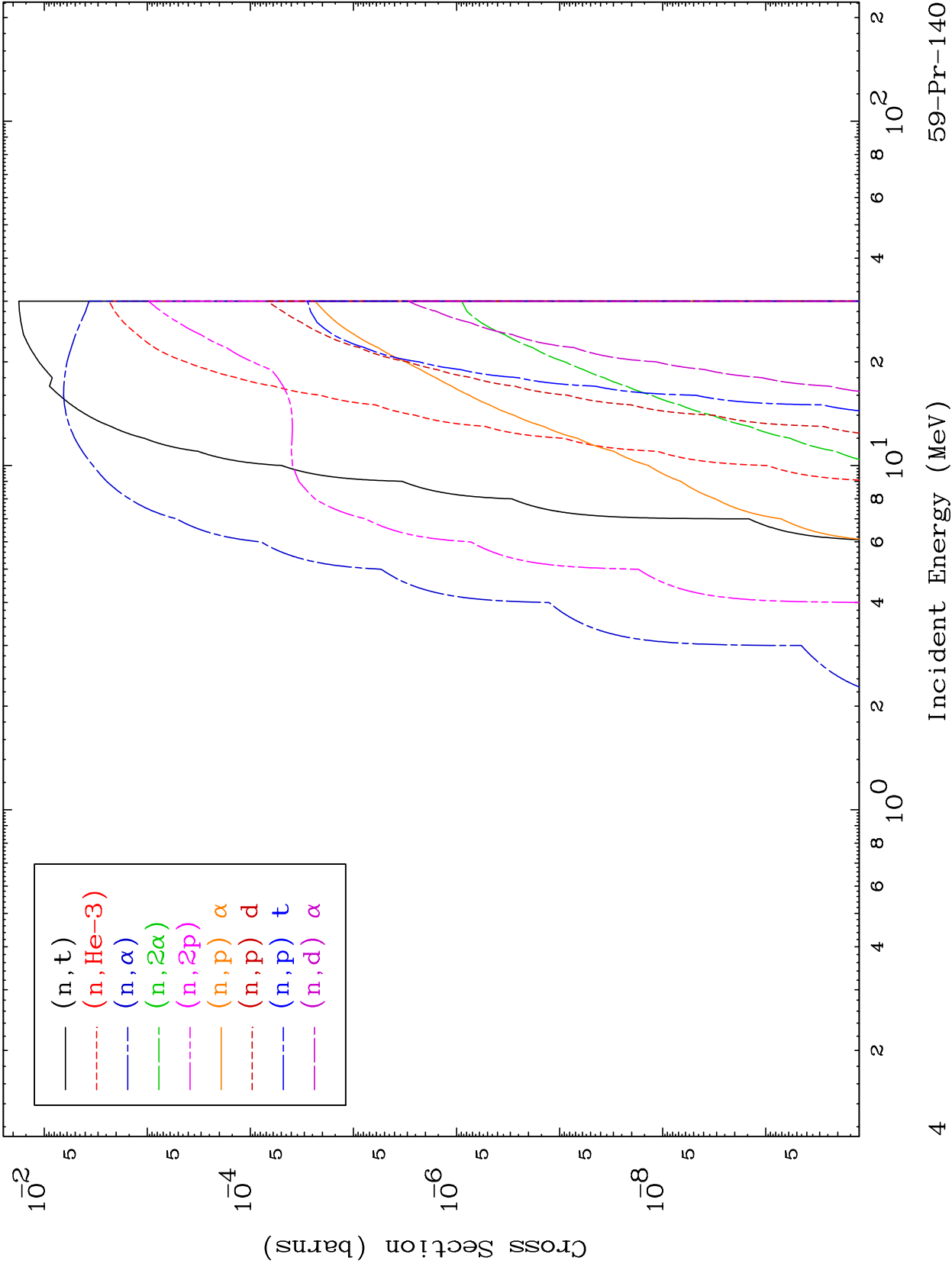
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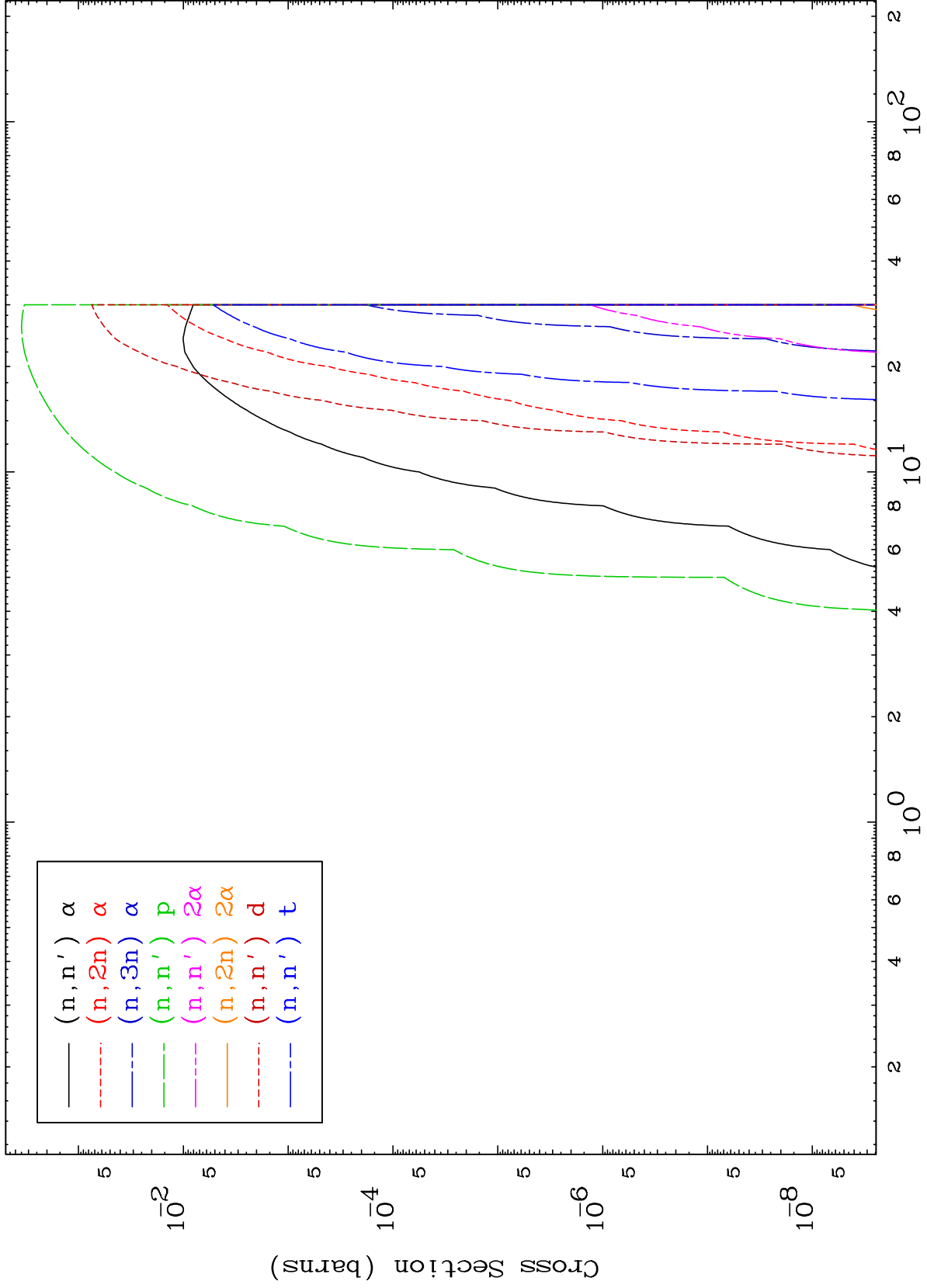
Press Mouse Button to Start

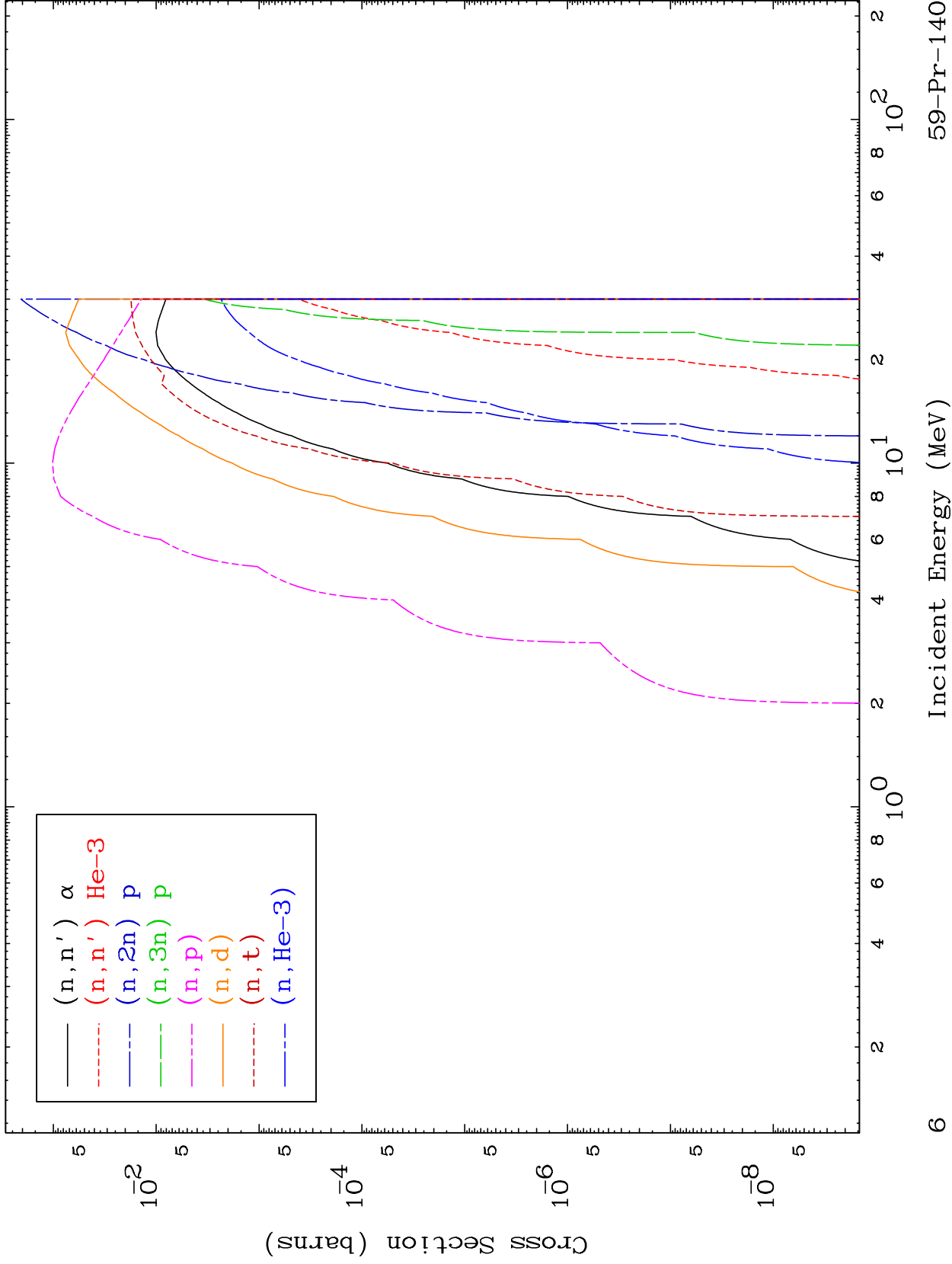


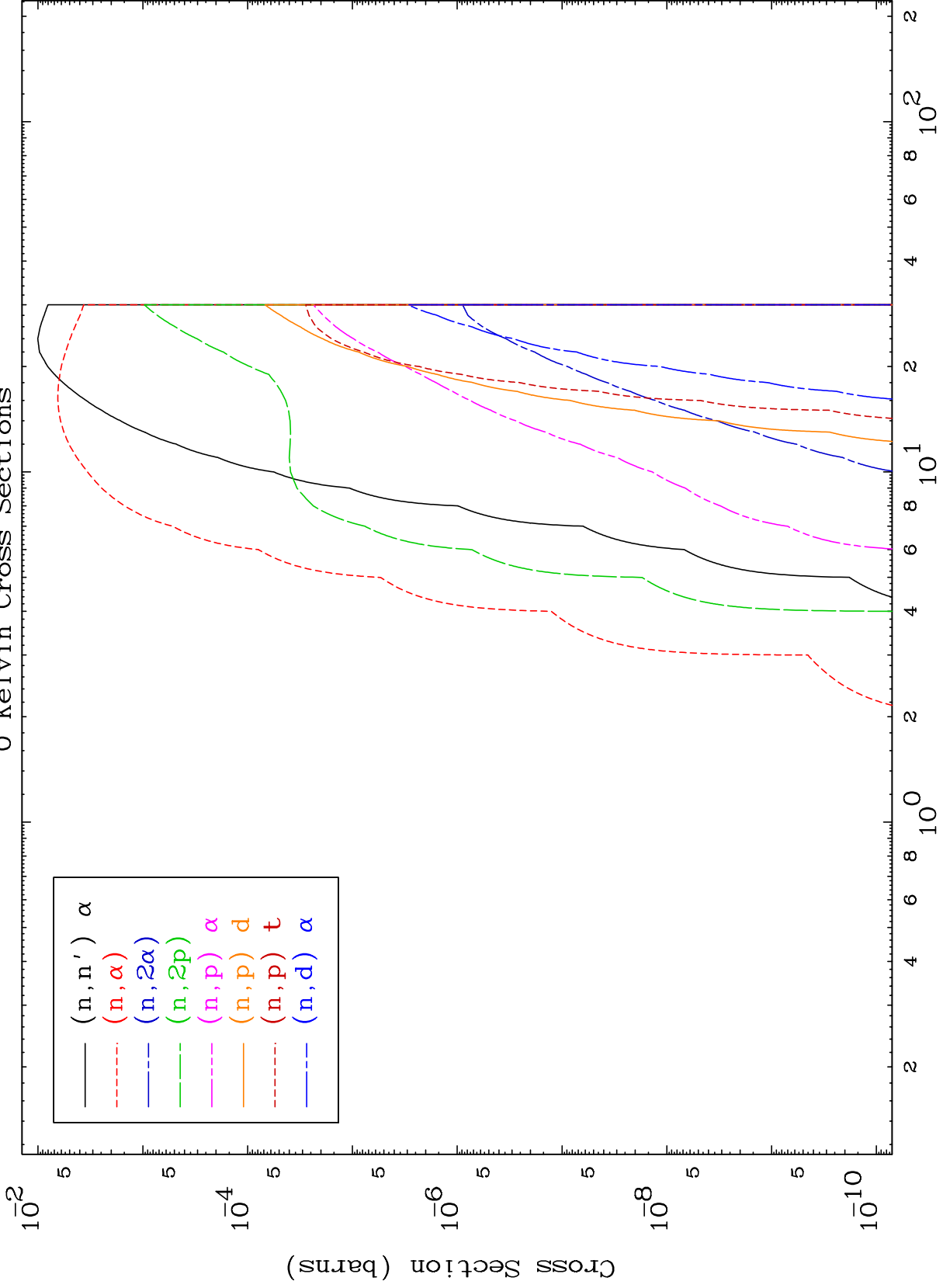










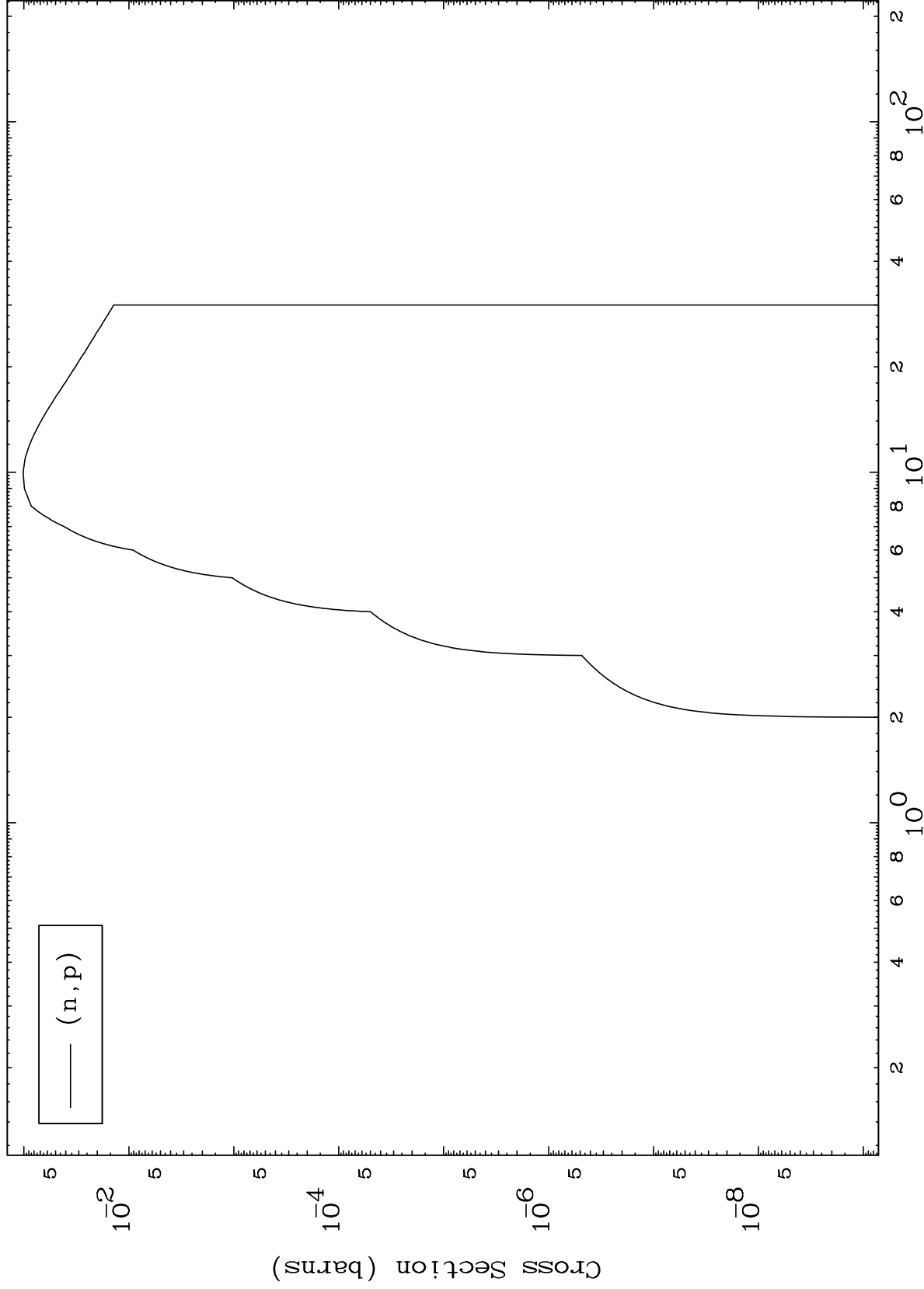


MAT 5922

(d,p) Levels

59-Pr-140

0 Kelvin Cross Sections

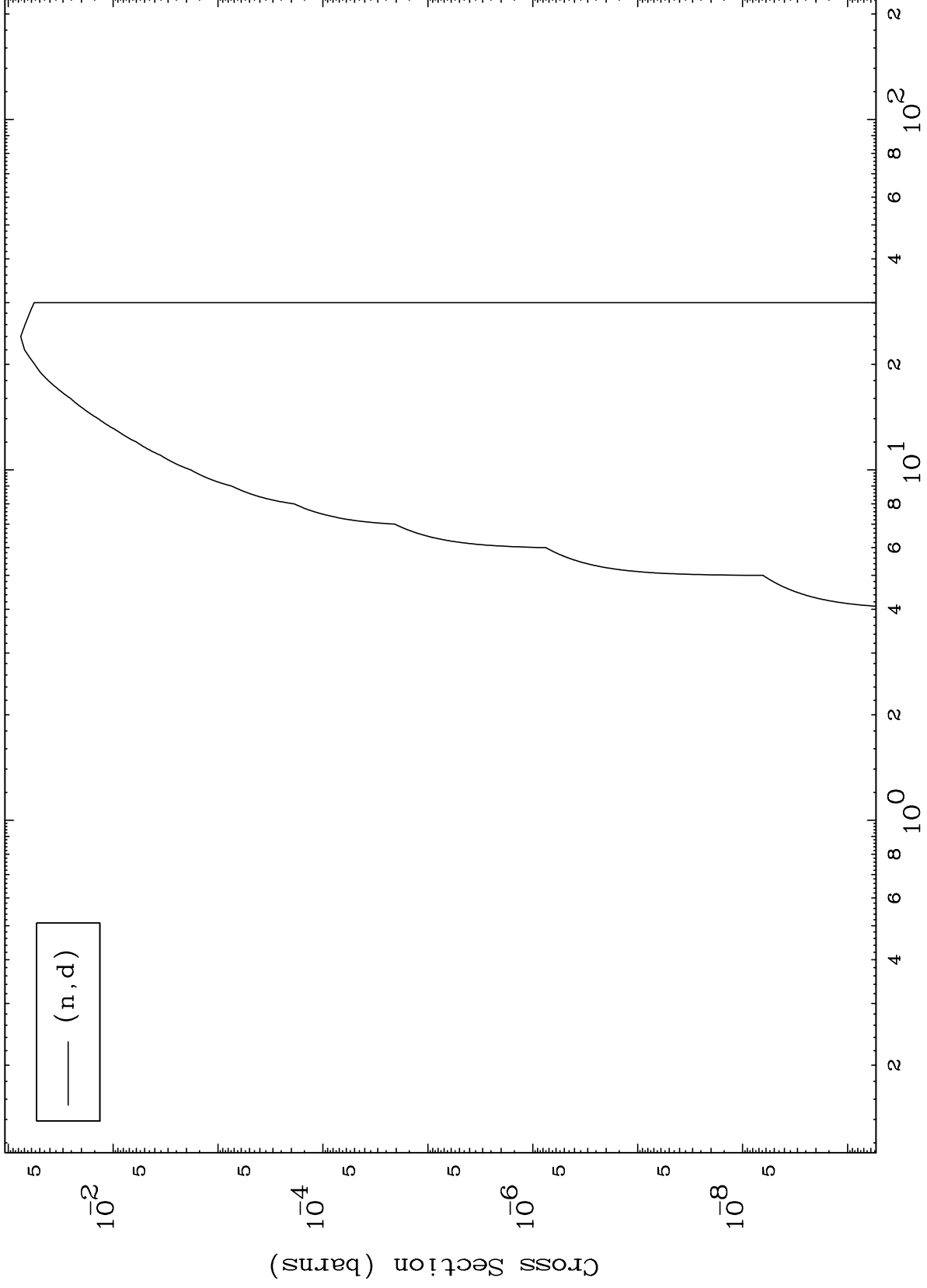


MAT 5922

(d,d) Levels

59-Pr-140

0 Kelvin Cross Sections

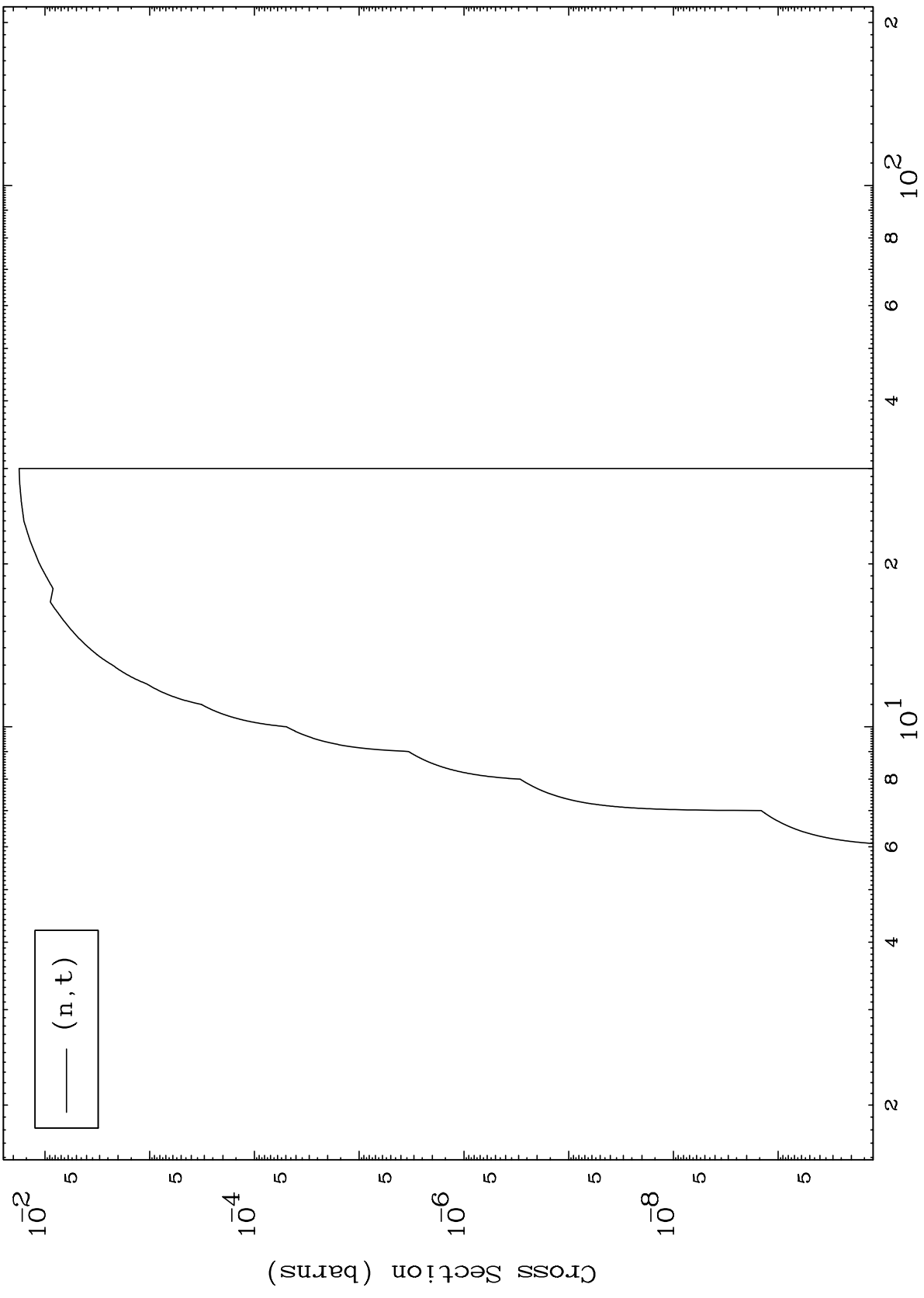


MAT 5922

(d,t) Levels

59-Pr-140

0 Kelvin Cross Sections



10

Incident Energy (MeV)

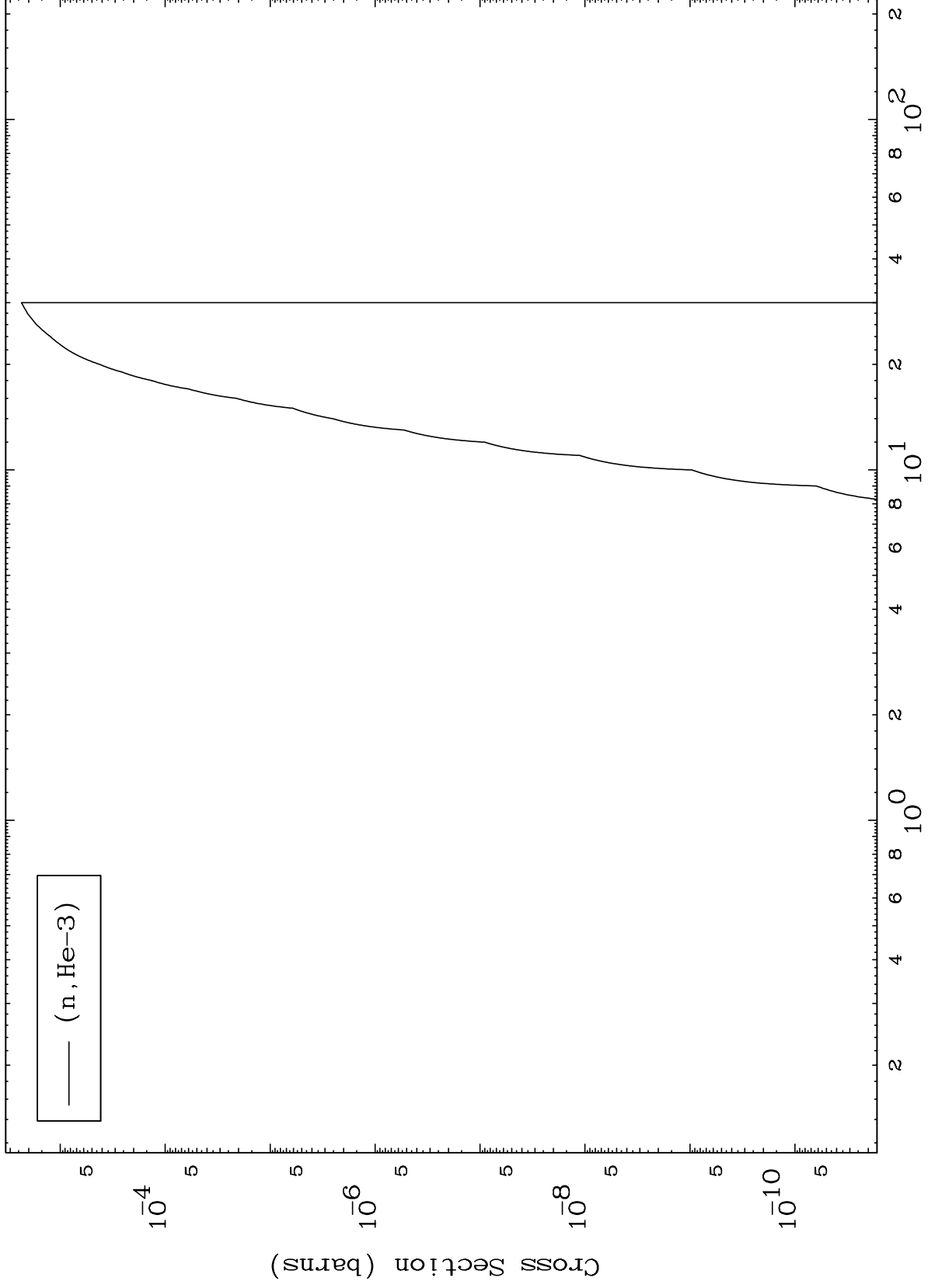
59-Pr-140

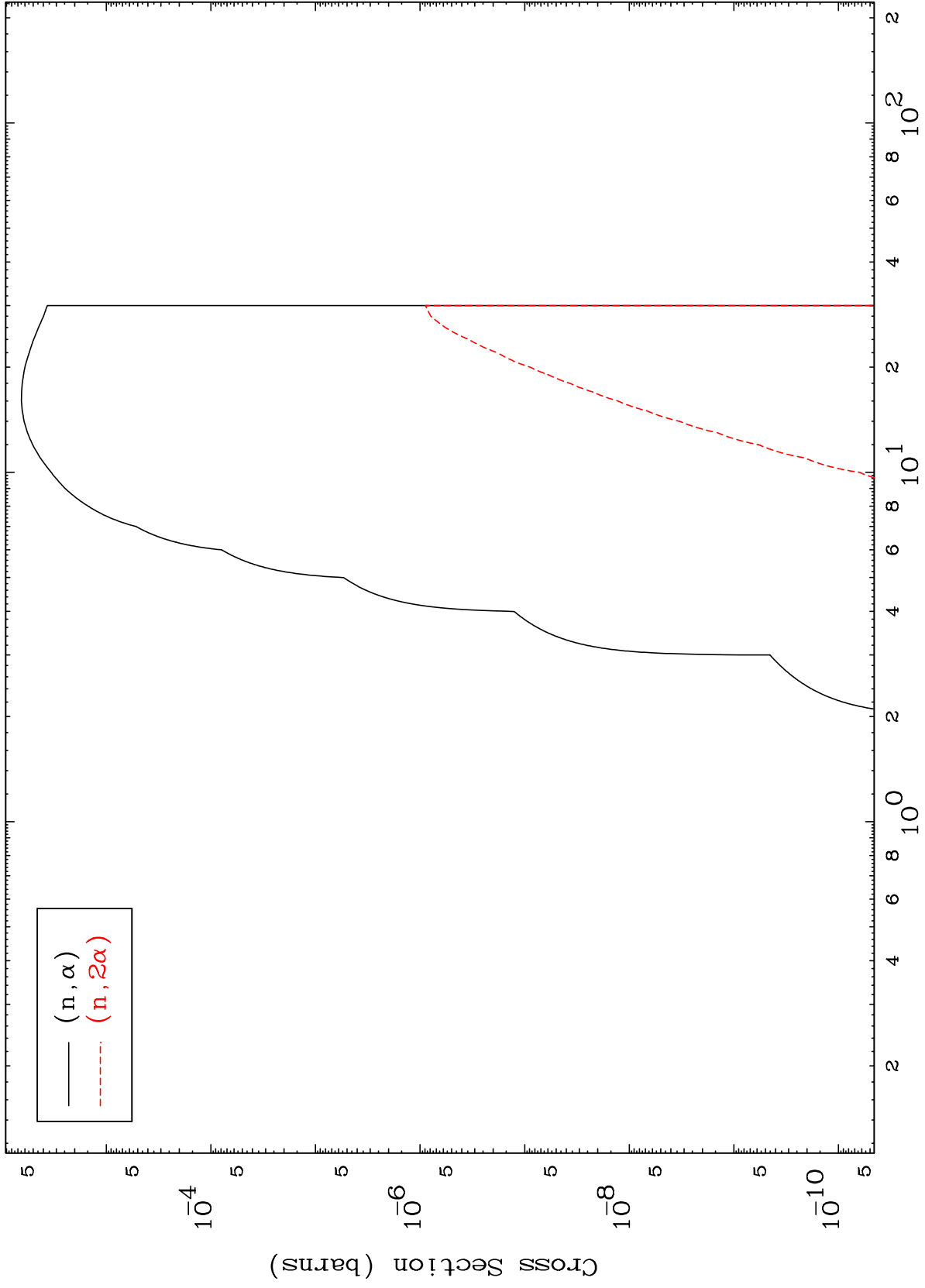
MAT 5922

(d,He3) Levels

59-Pr-140

0 Kelvin Cross Sections

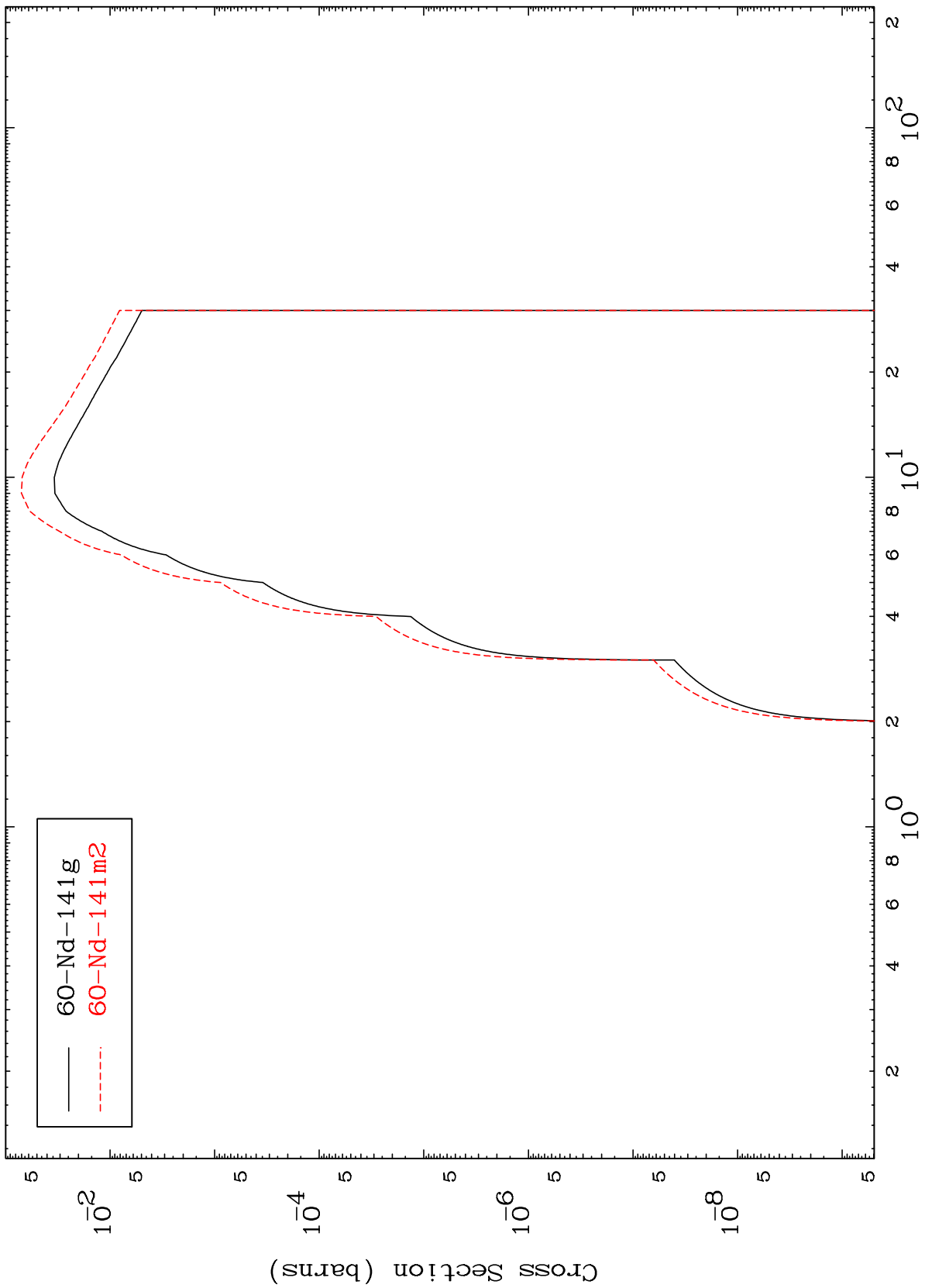




MAT 5922

59-Pr-140

Radionuclide Production Cross Section



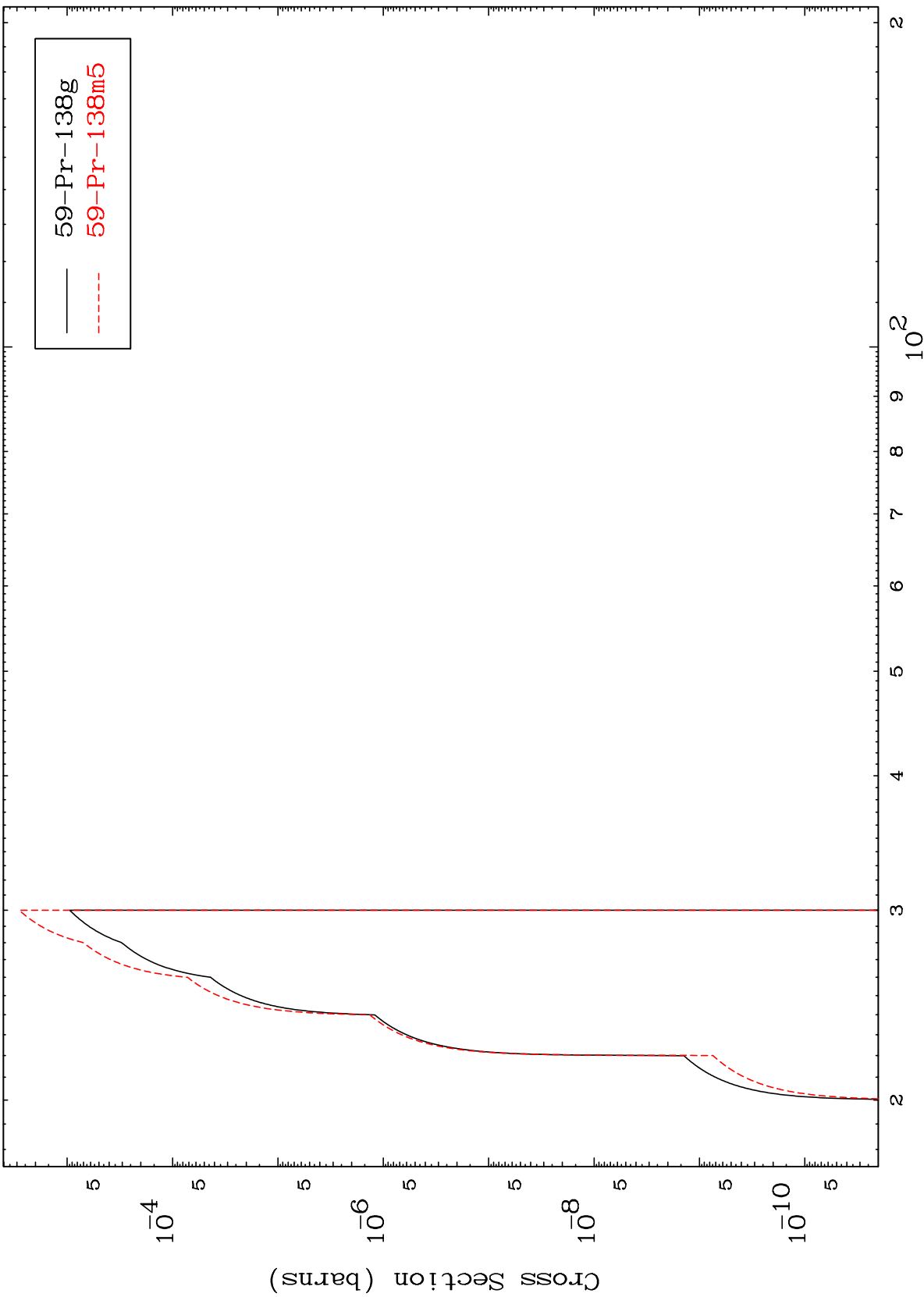
60-Nd-141g
60-Nd-141m2

59-Pr-140

Incident Energy (MeV)

13

Radionuclide Production Cross Section



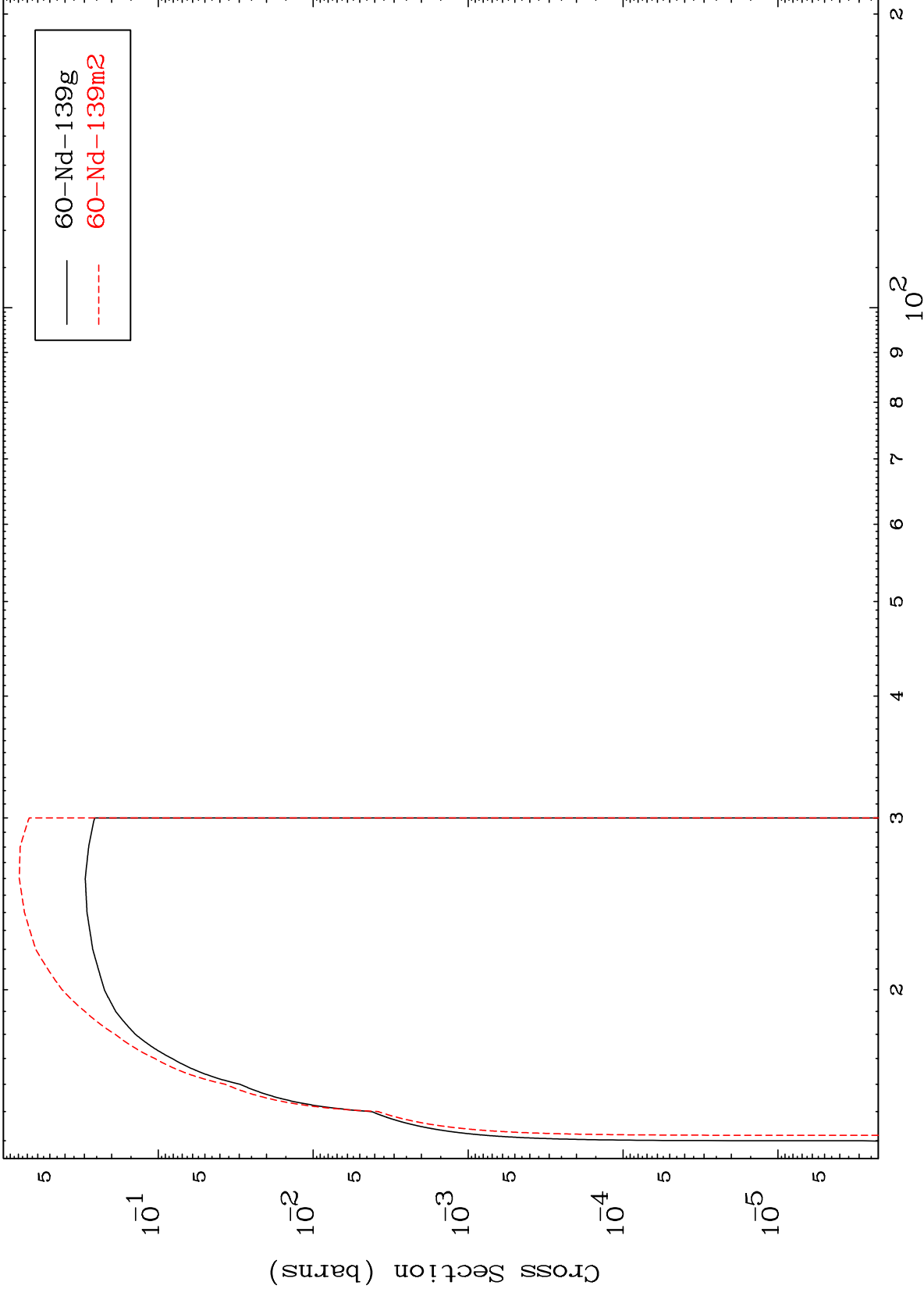
59-Pr-138g
59-Pr-138m5

MAT 5922

(n,3n)

59-Pr-140

Radionuclide Production Cross Section



15

Incident Energy (MeV)

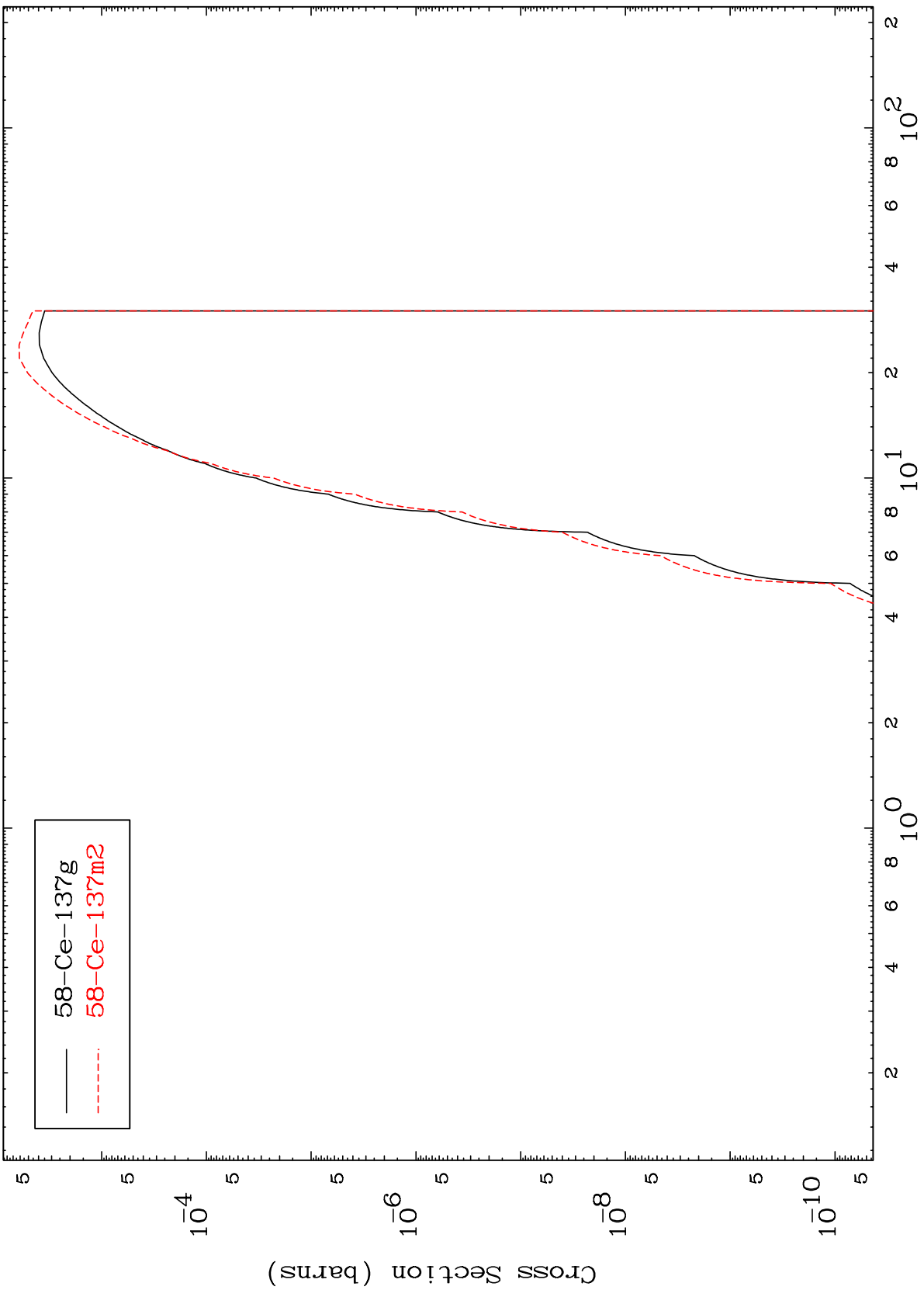
59-Pr-140

MAT 5922

(n,n') α

59-Pr-140

Radionuclide Production Cross Section

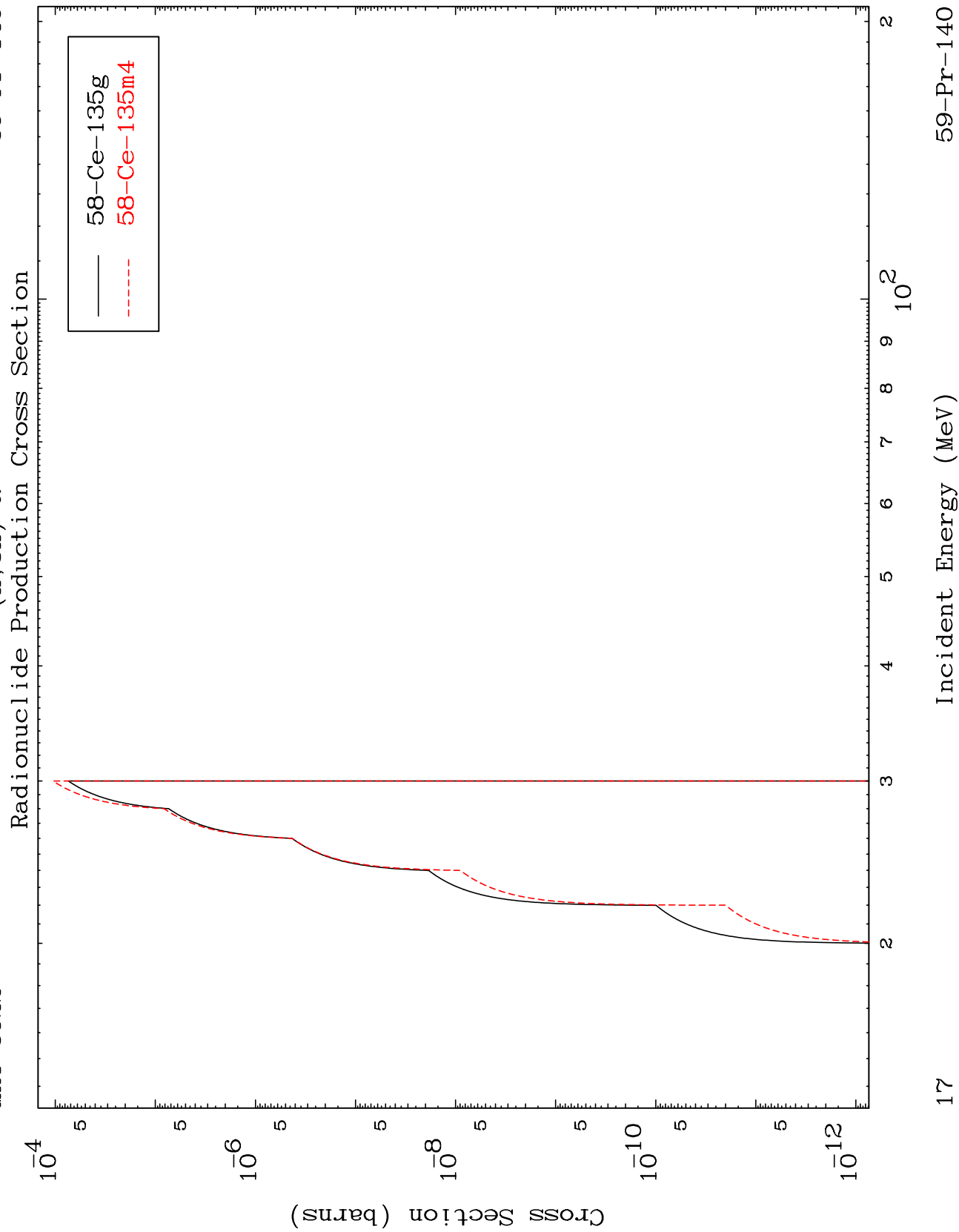


58-Ce-137g
58-Ce-137m2

16

Incident Energy (MeV)

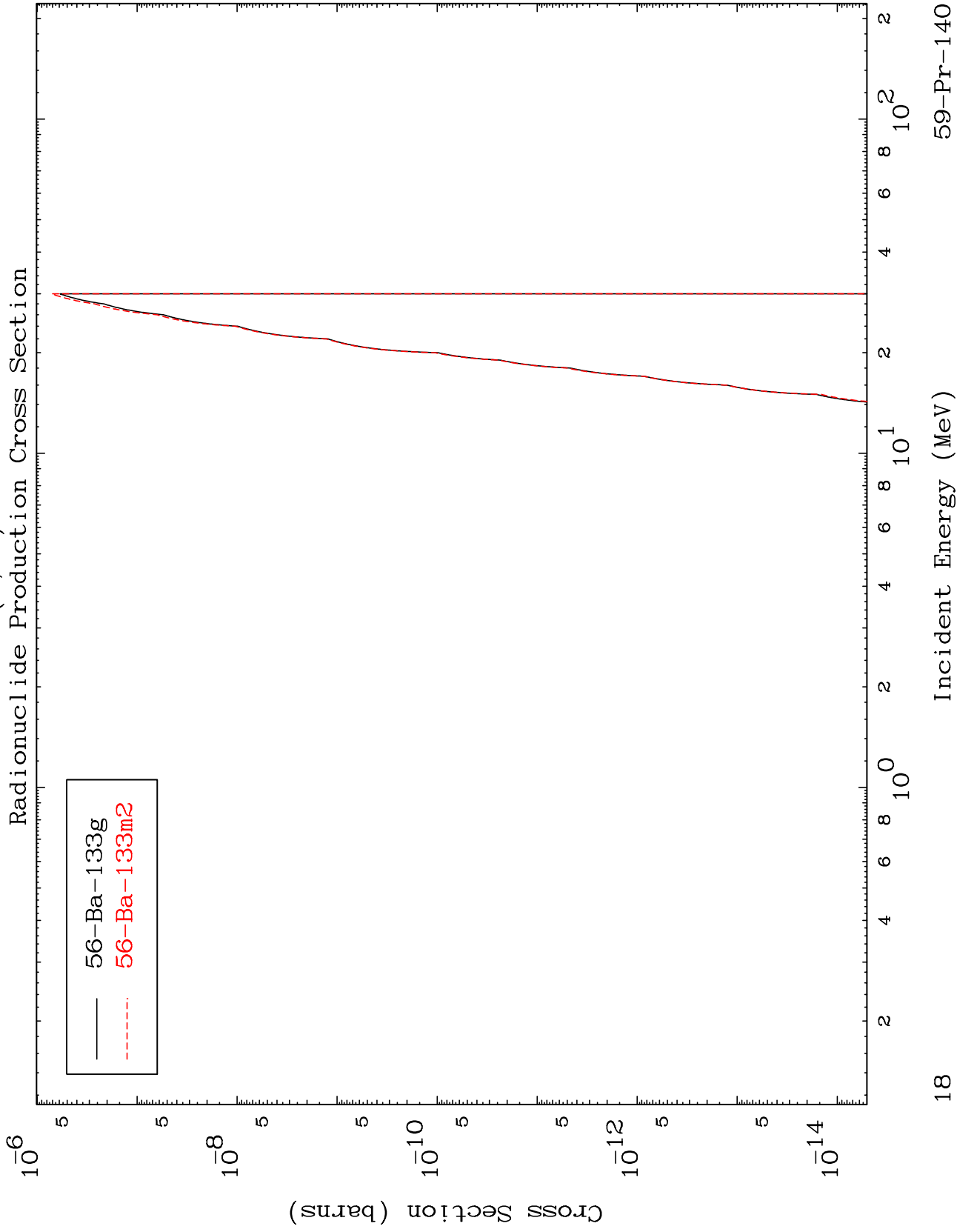
59-Pr-140

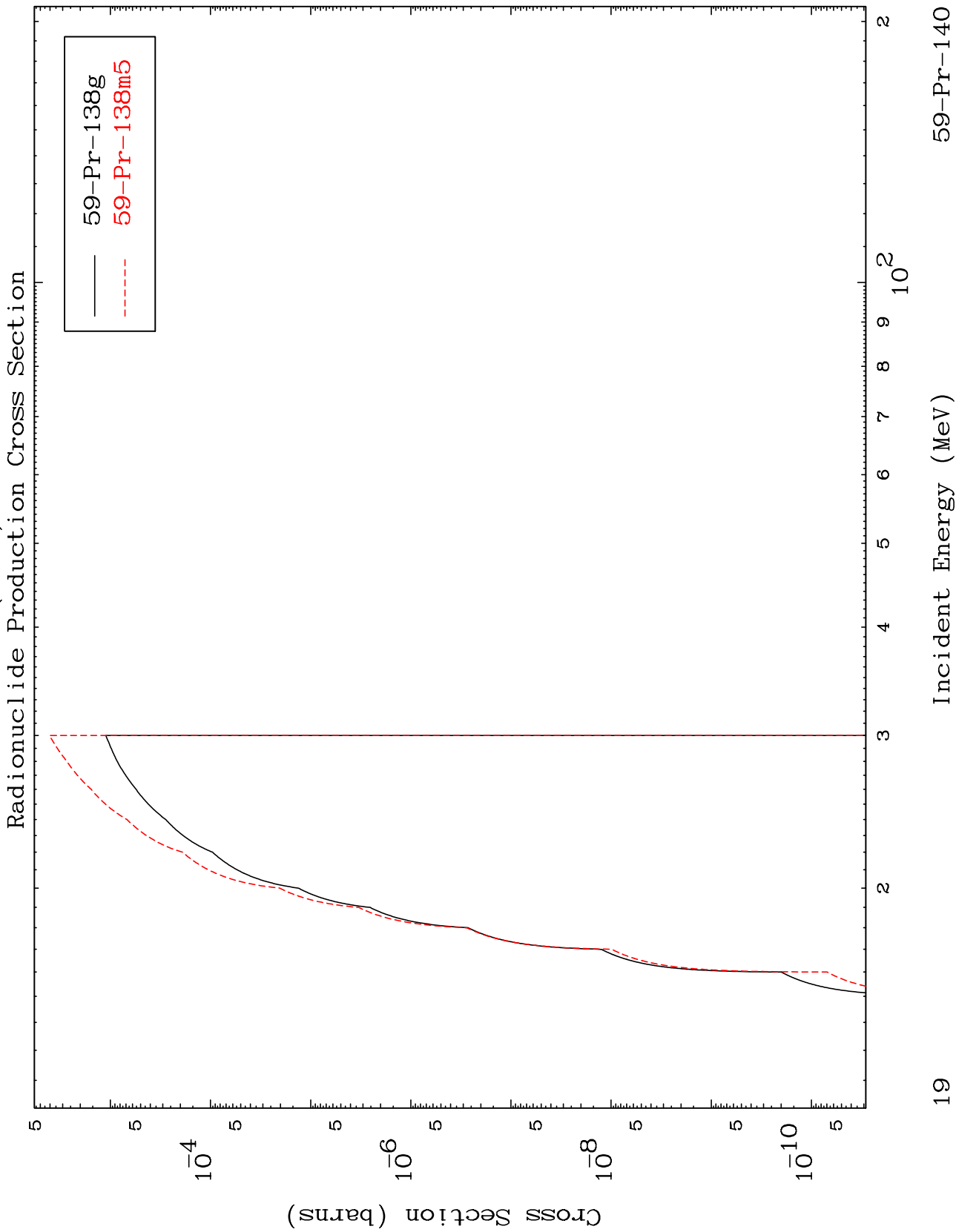


MAT 5922

(n,n') 2 α

59-Pr-140



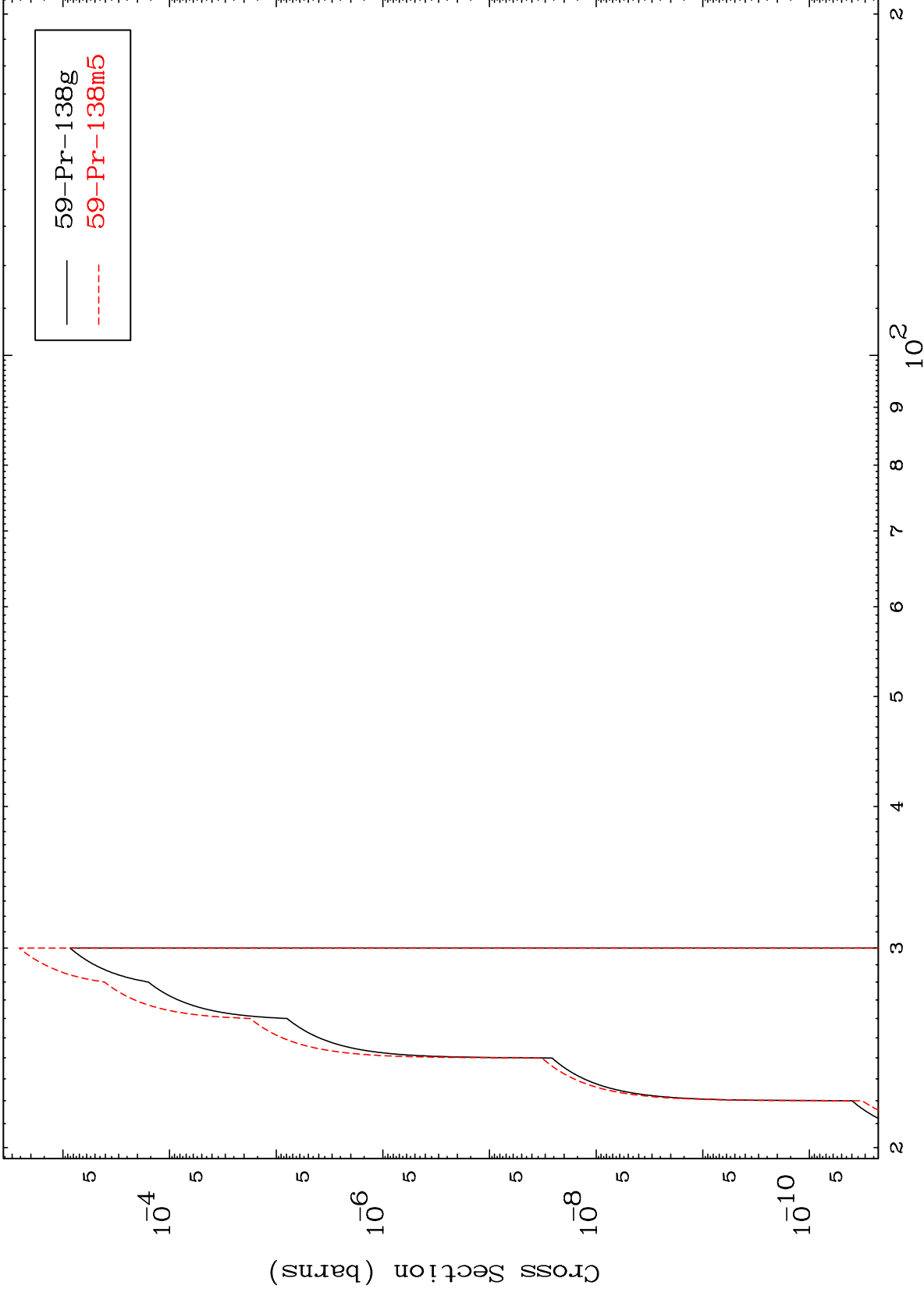


MAT 5922

(n,3n) p

59-Pr-140

Radionuclide Production Cross Section



20

Incident Energy (MeV)

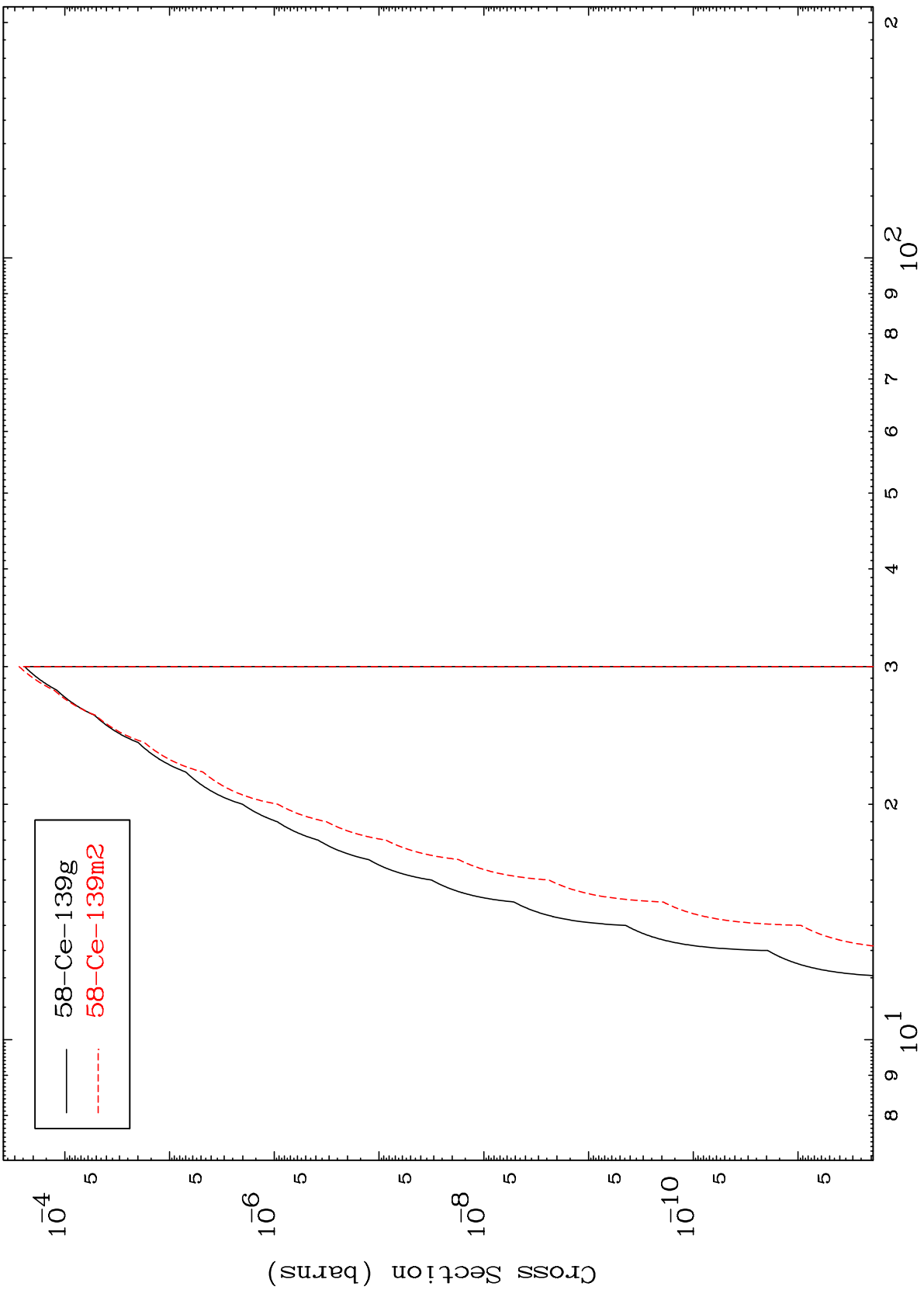
59-Pr-140

MAT 5922

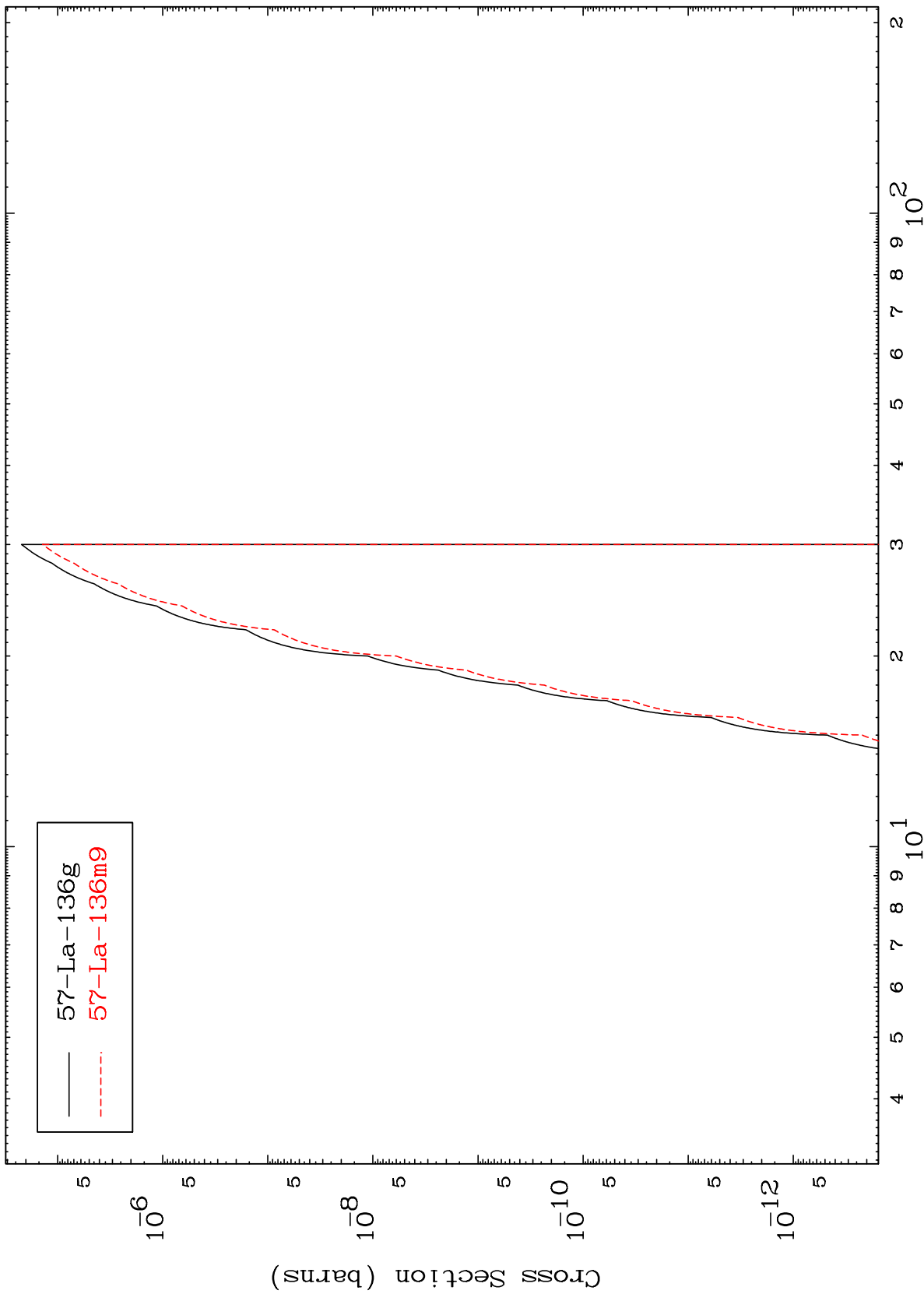
(n,2n) p

59-Pr-140

Radionuclide Production Cross Section



(n,n') p α
Radionuclide Production Cross Section



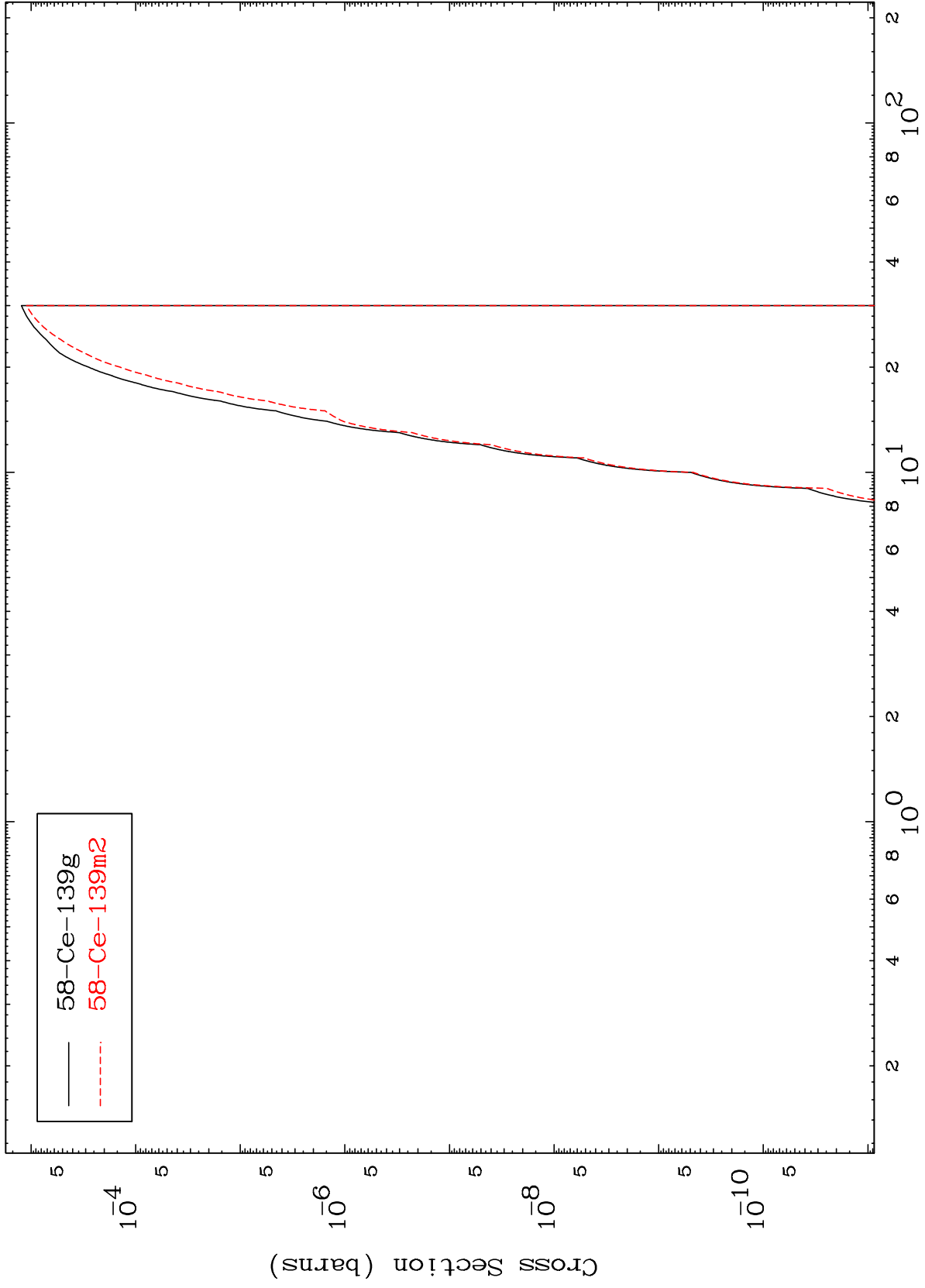
Incident Energy (MeV)

MAT 5922

(n,He-3)

59-Pr-140

Radionuclide Production Cross Section

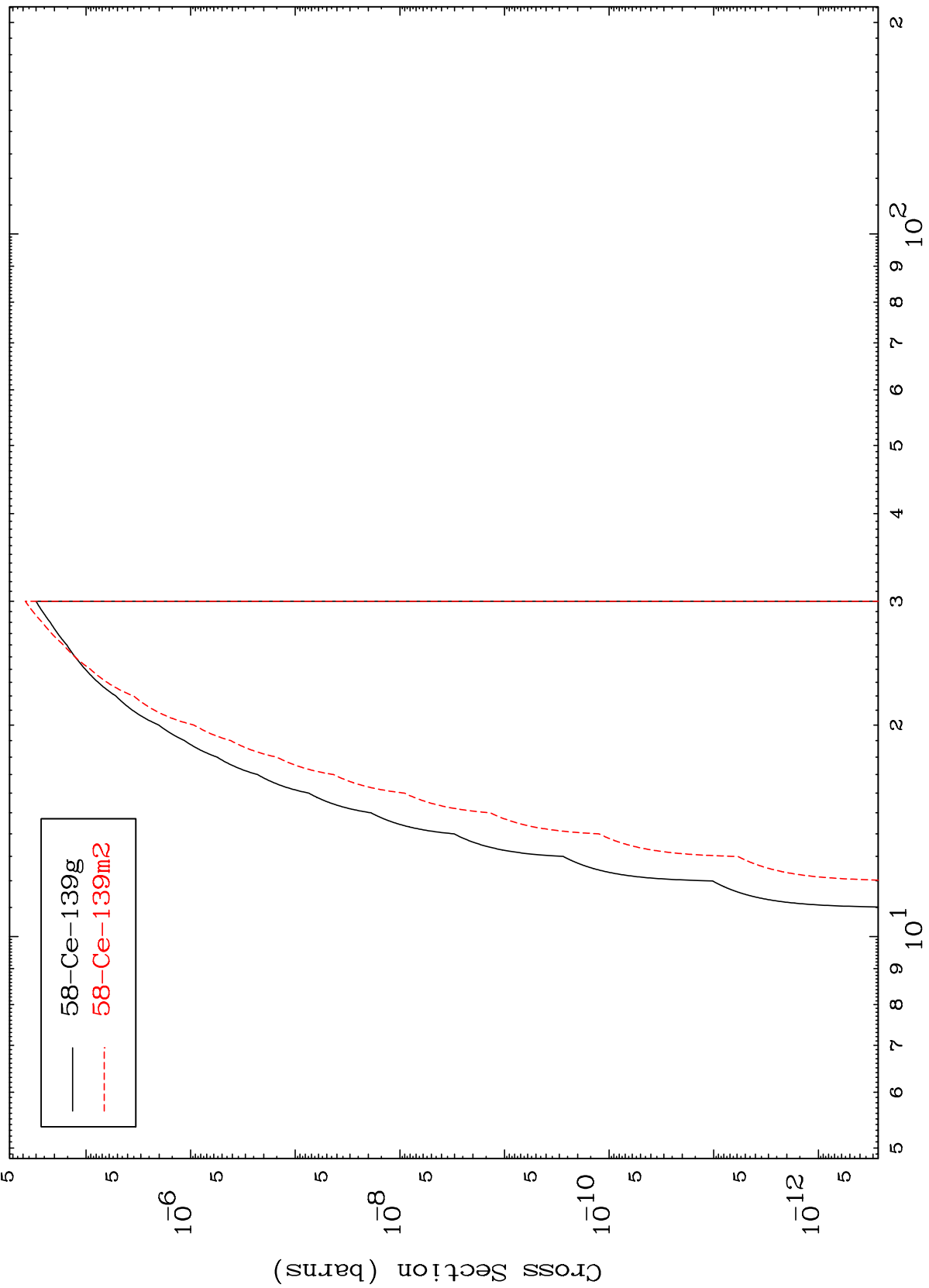


MAT 5922

(n,p) d

59-Pr-140

Radionuclide Production Cross Section



24

Incident Energy (MeV)

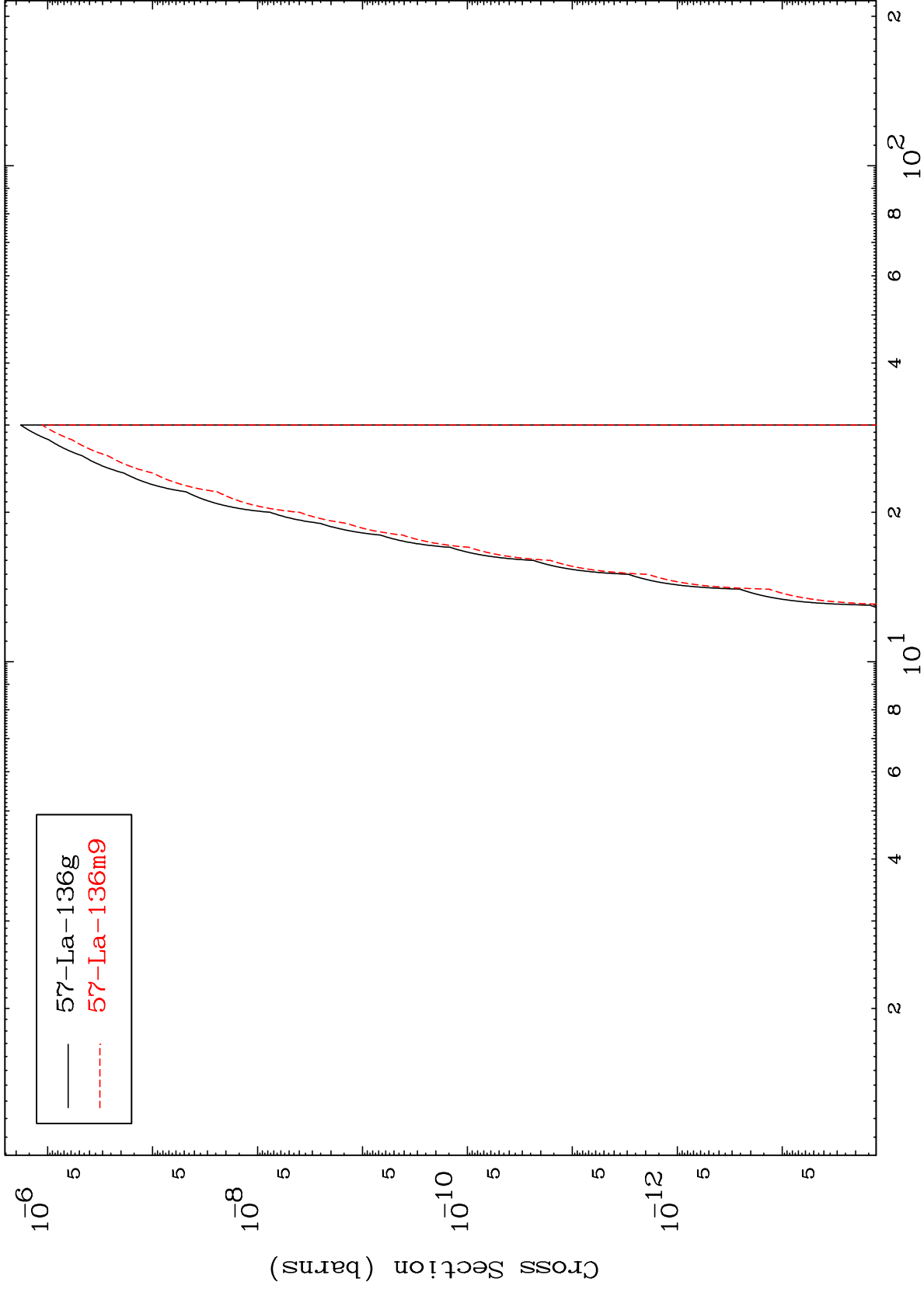
59-Pr-140

MAT 5922

(n,d) α

59-Pr-140

Radionuclide Production Cross Section



57-La-136g
57-La-136m9

25

Incident Energy (MeV)

59-Pr-140