

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

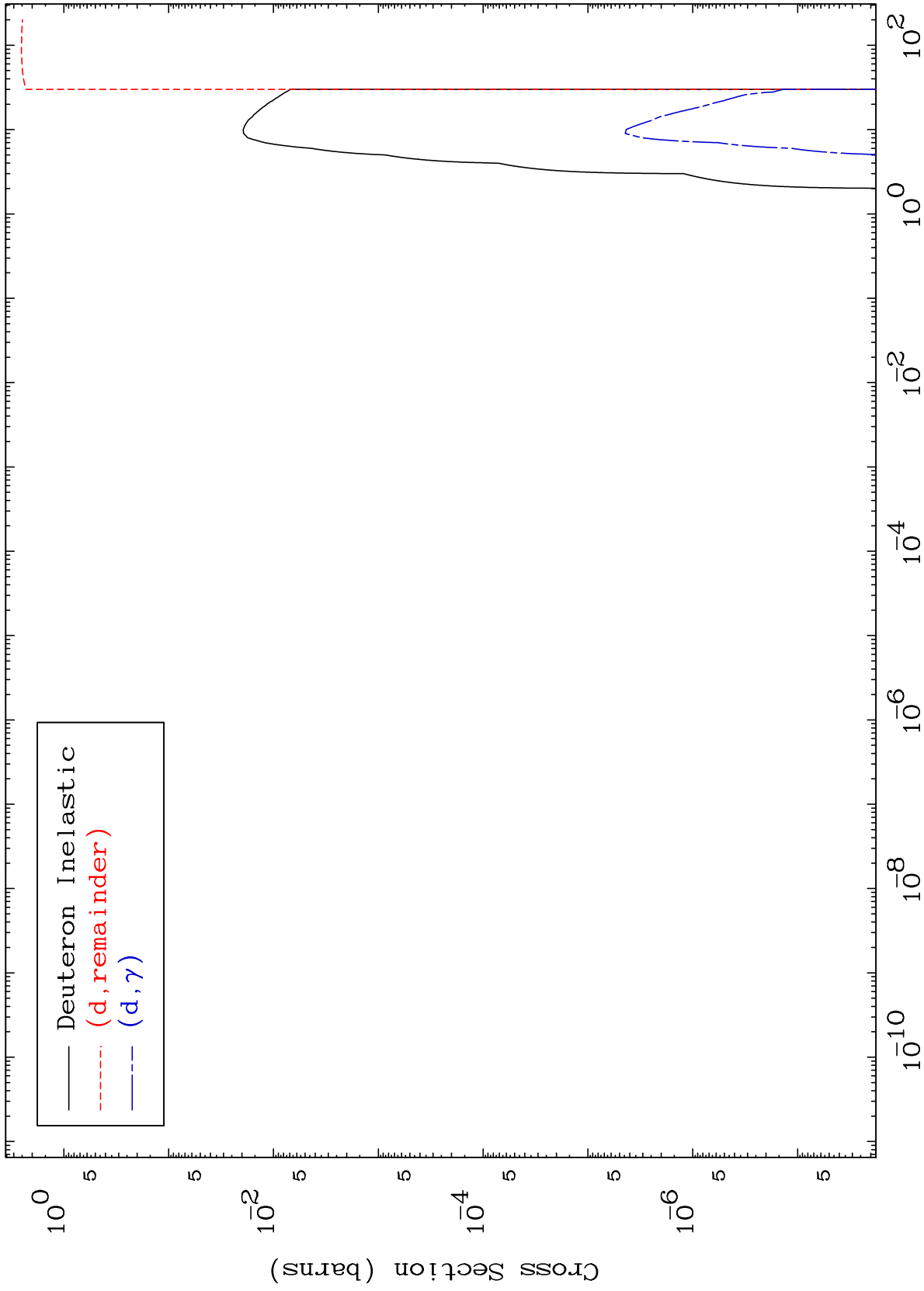
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5459

Deuteron Major
0 Kelvin Cross Sections

54-Xe-135



1

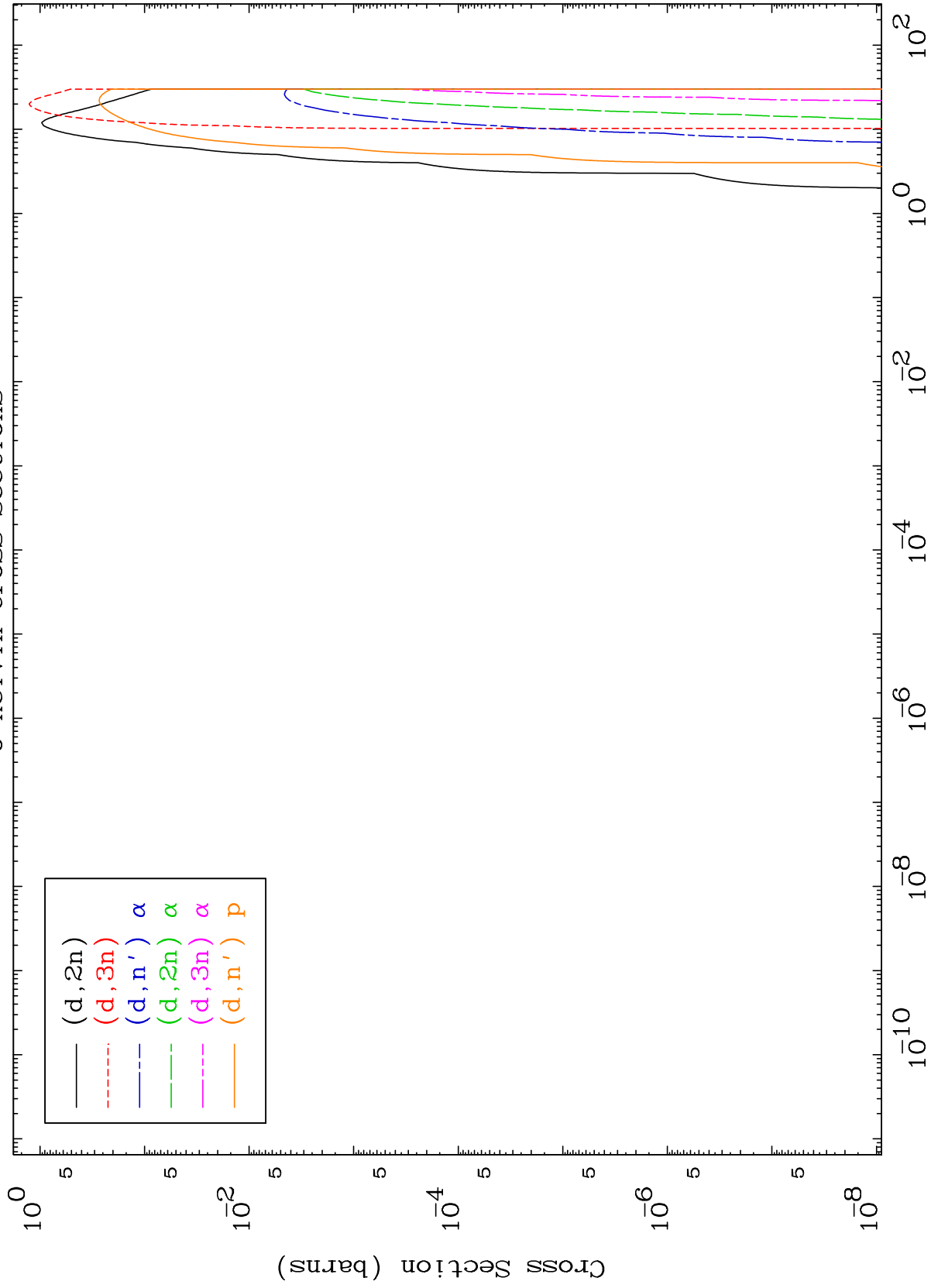
Incident Energy (MeV)

54-Xe-135

MAT 5459

Deuteron Neutron Production
0 Kelvin Cross Sections

54-Xe-135



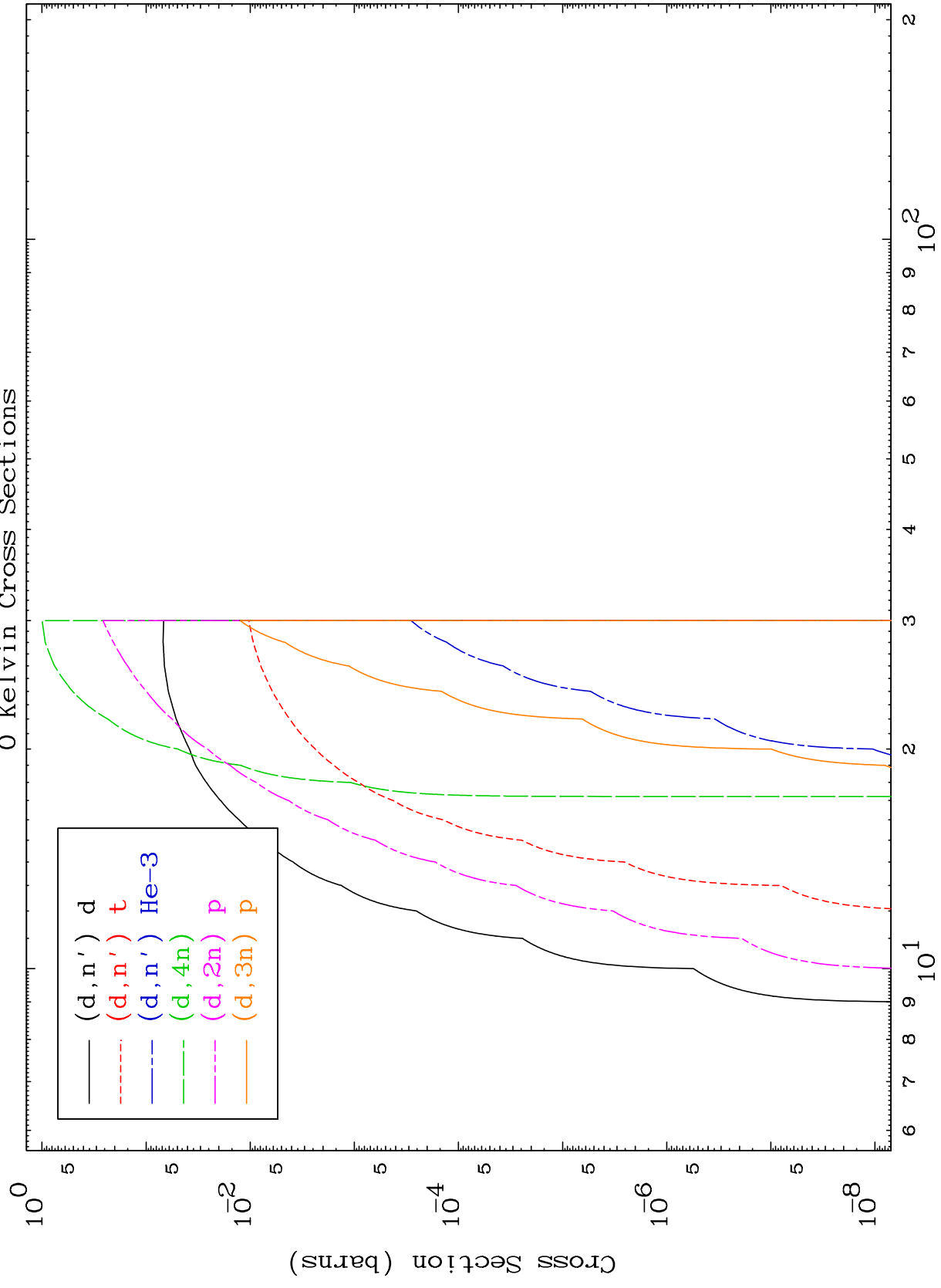
2

54-Xe-135

MAT 5459

Deuteron Neutron Production
0 Kelvin Cross Sections

54-Xe-135



3

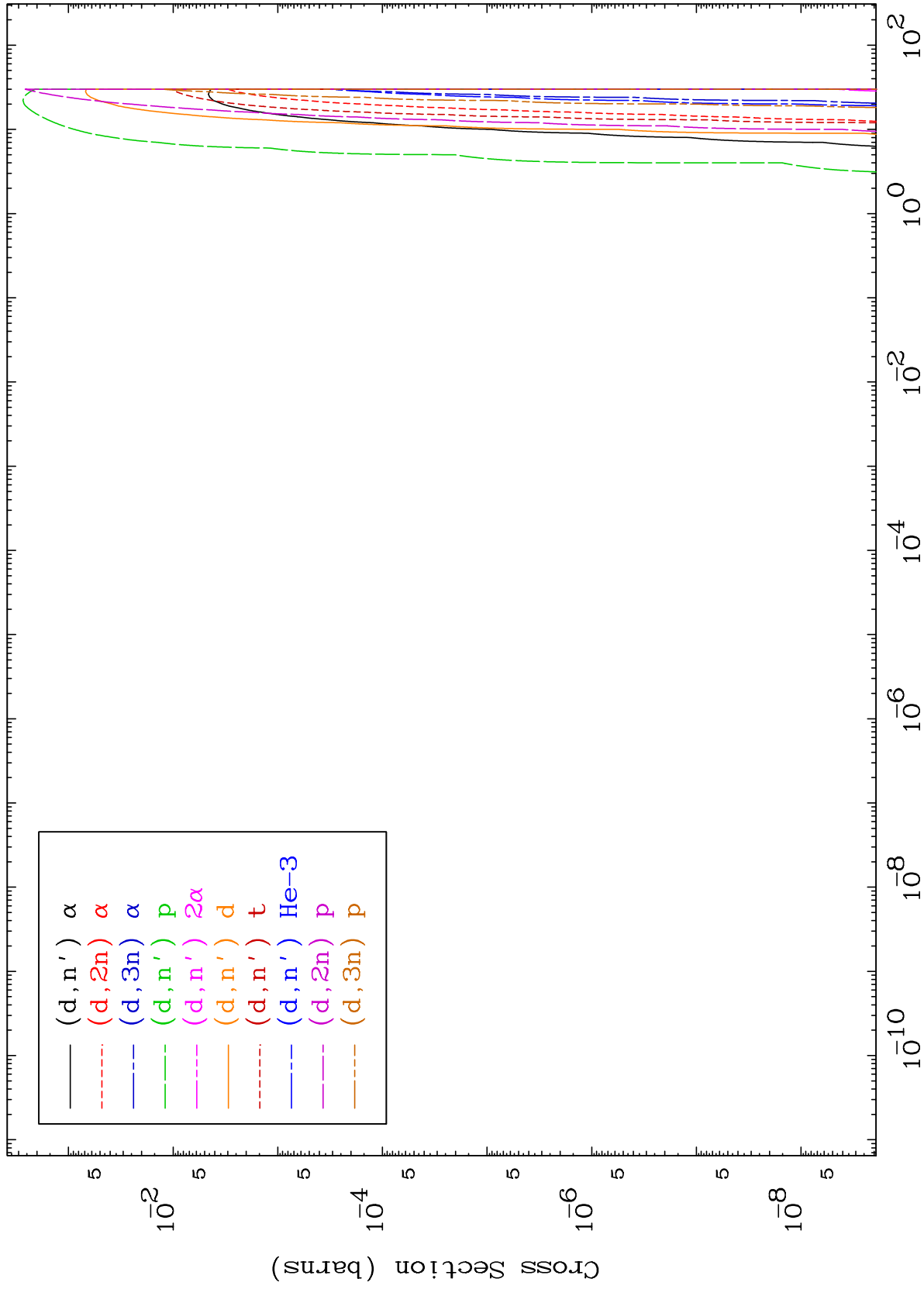
Incident Energy (MeV)

54-Xe-135

MAT 5459

Deuteron Charged Particle
0 Kelvin Cross Sections

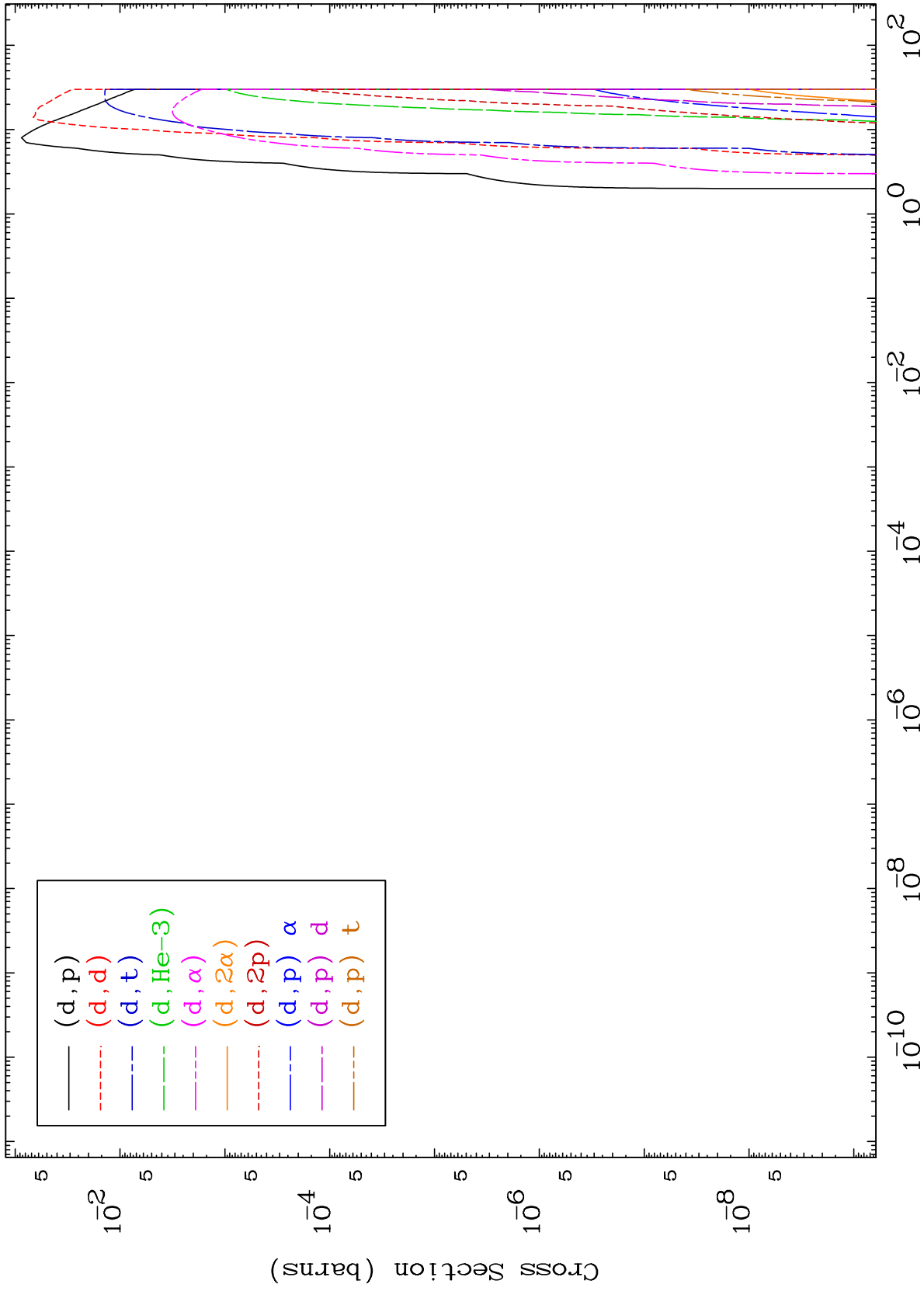
54-Xe-135



MAT 5459

Deuteron Charged Particle
0 Kelvin Cross Sections

54-Xe-135



5

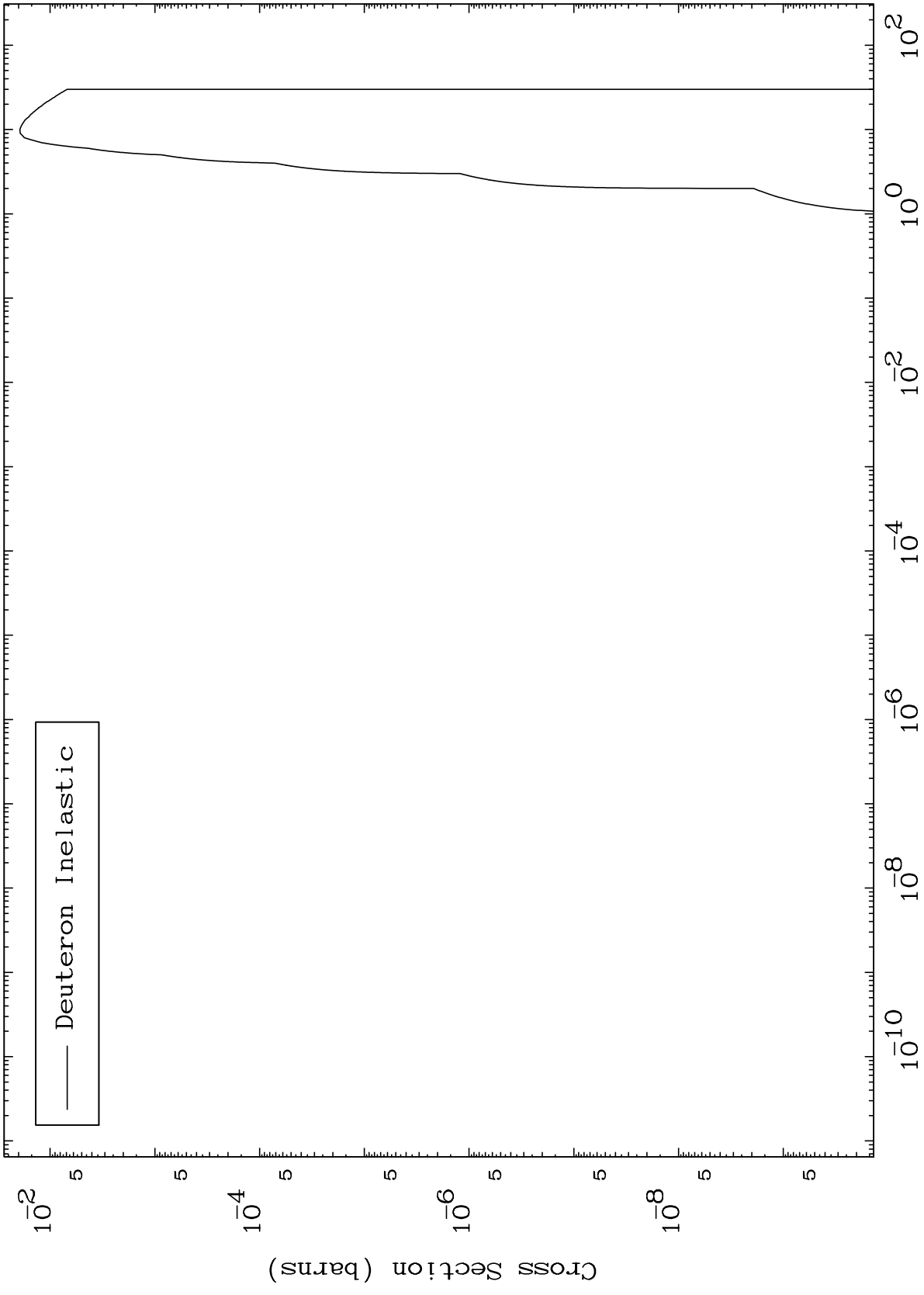
Incident Energy (MeV)

54-Xe-135

MAT 5459

(d,n') Level
0 Kelvin Cross Sections

54-Xe-135

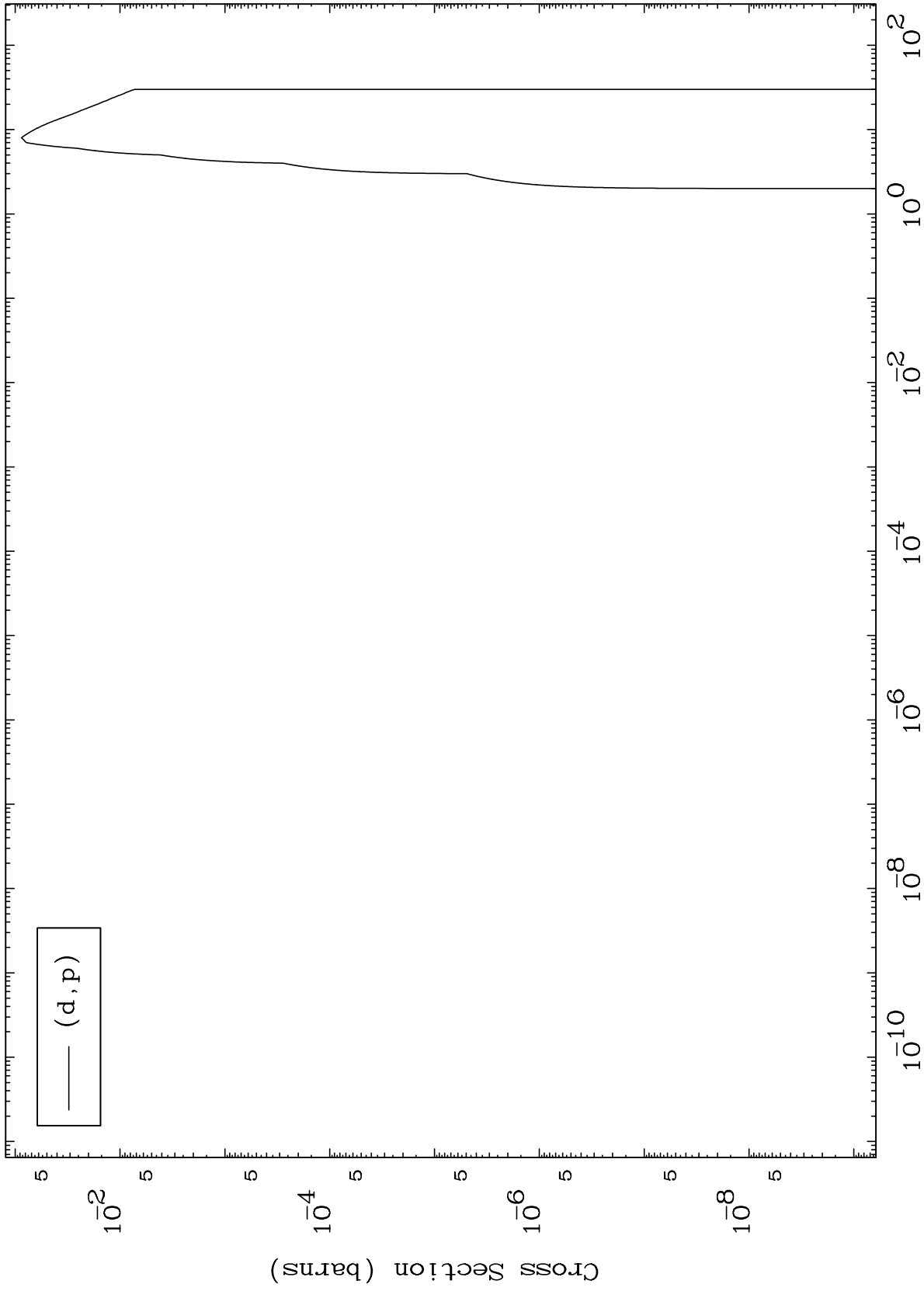


54-Xe-135

MAT 5459

(d,p) Levels
0 Kelvin Cross Sections

54-Xe-135



7

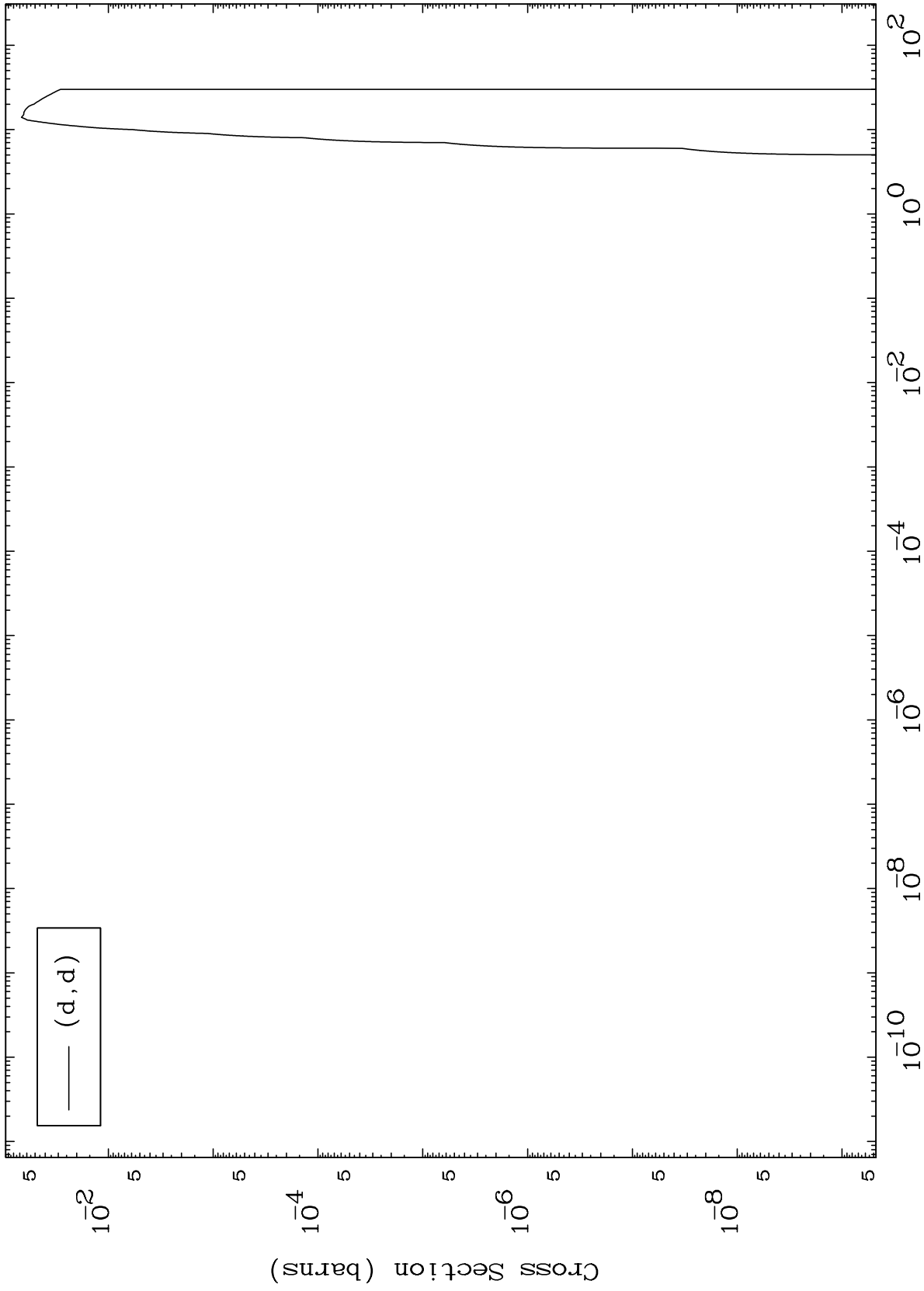
Incident Energy (MeV)

54-Xe-135

MAT 5459

(d,d) Levels
0 Kelvin Cross Sections

54-Xe-135



8

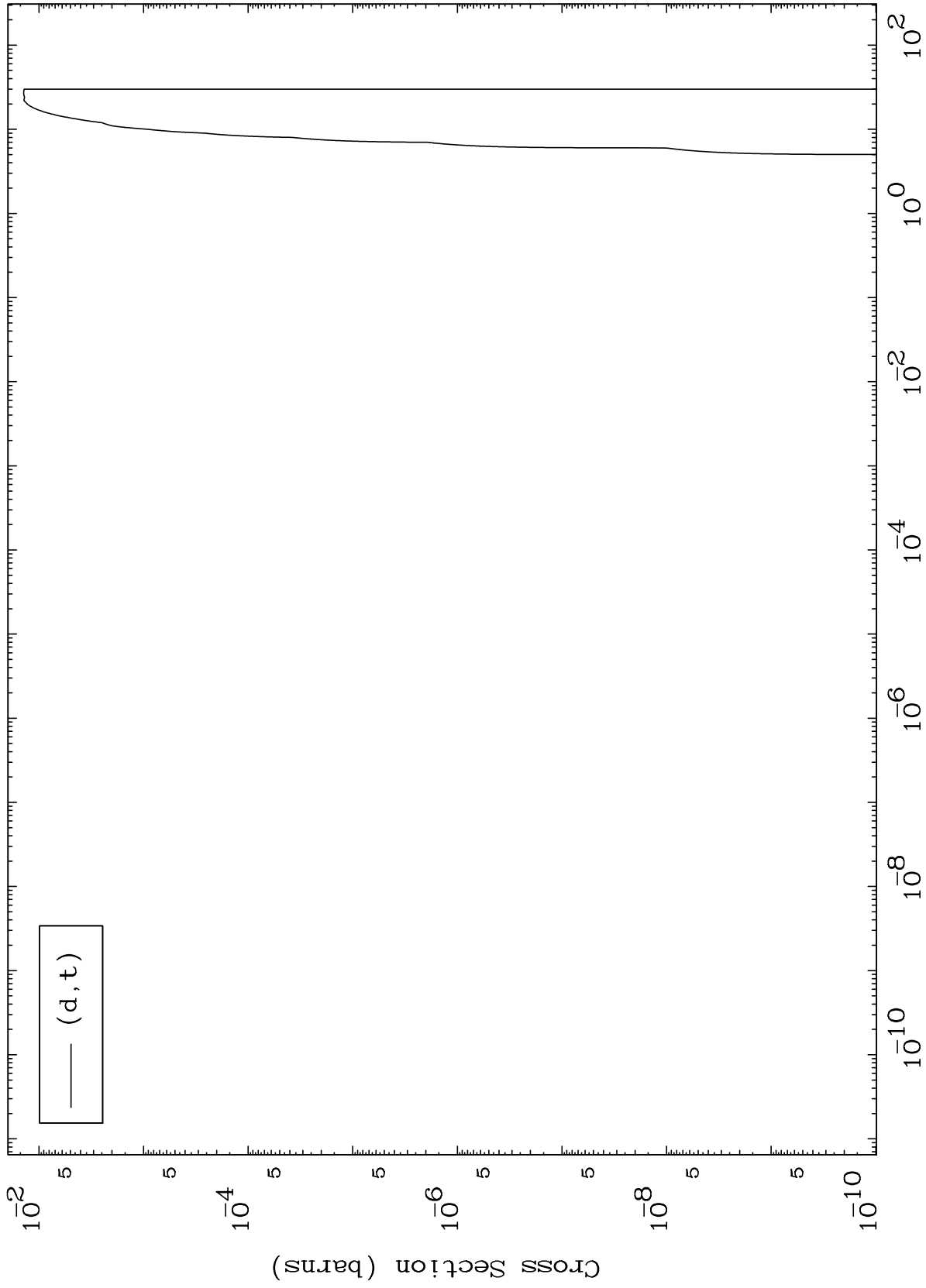
Incident Energy (MeV)

54-Xe-135

MAT 5459

(d,t) Levels
0 Kelvin Cross Sections

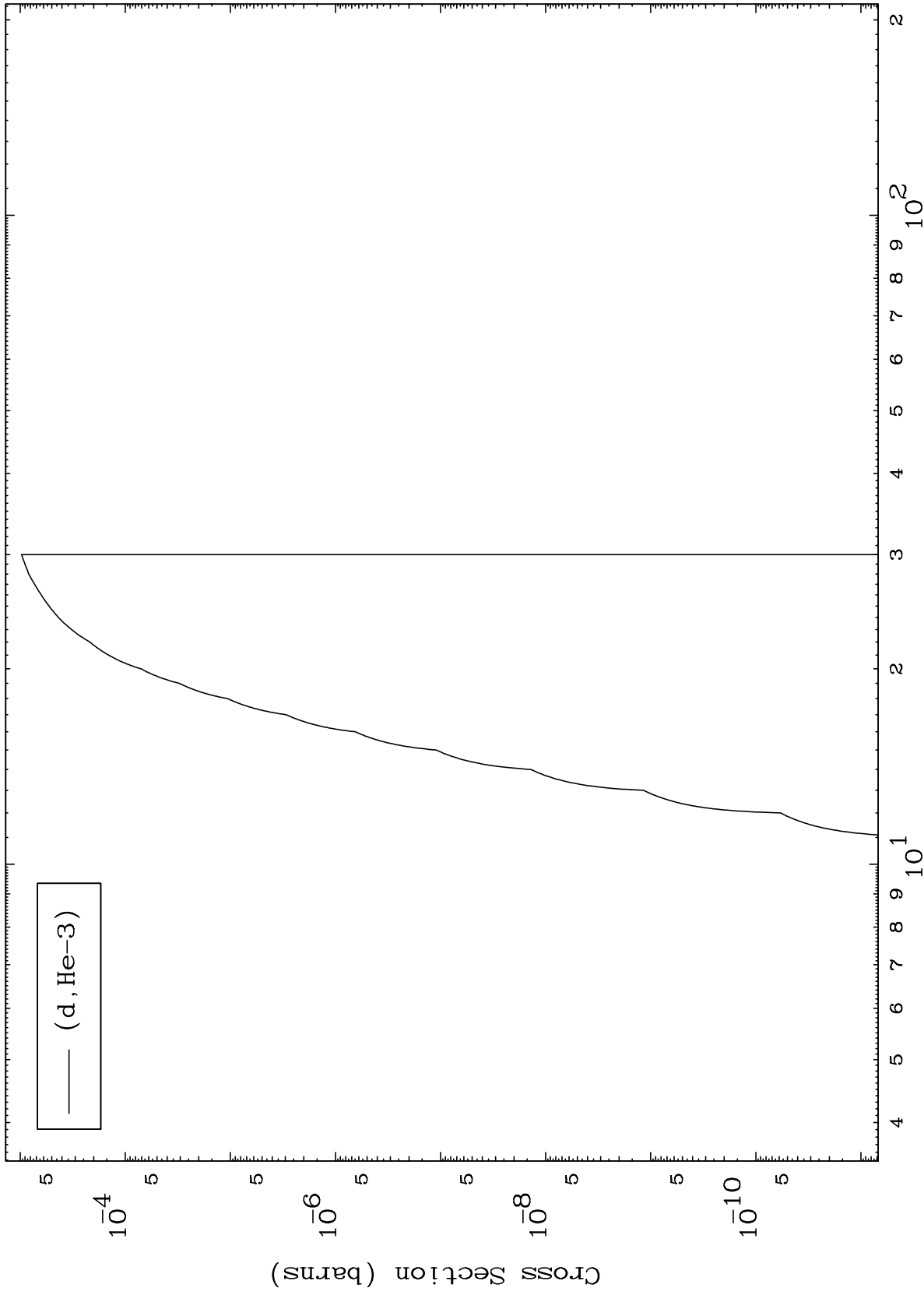
54-Xe-135



MAT 5459

(d,He3) Levels
0 Kelvin Cross Sections

54-Xe-135



10

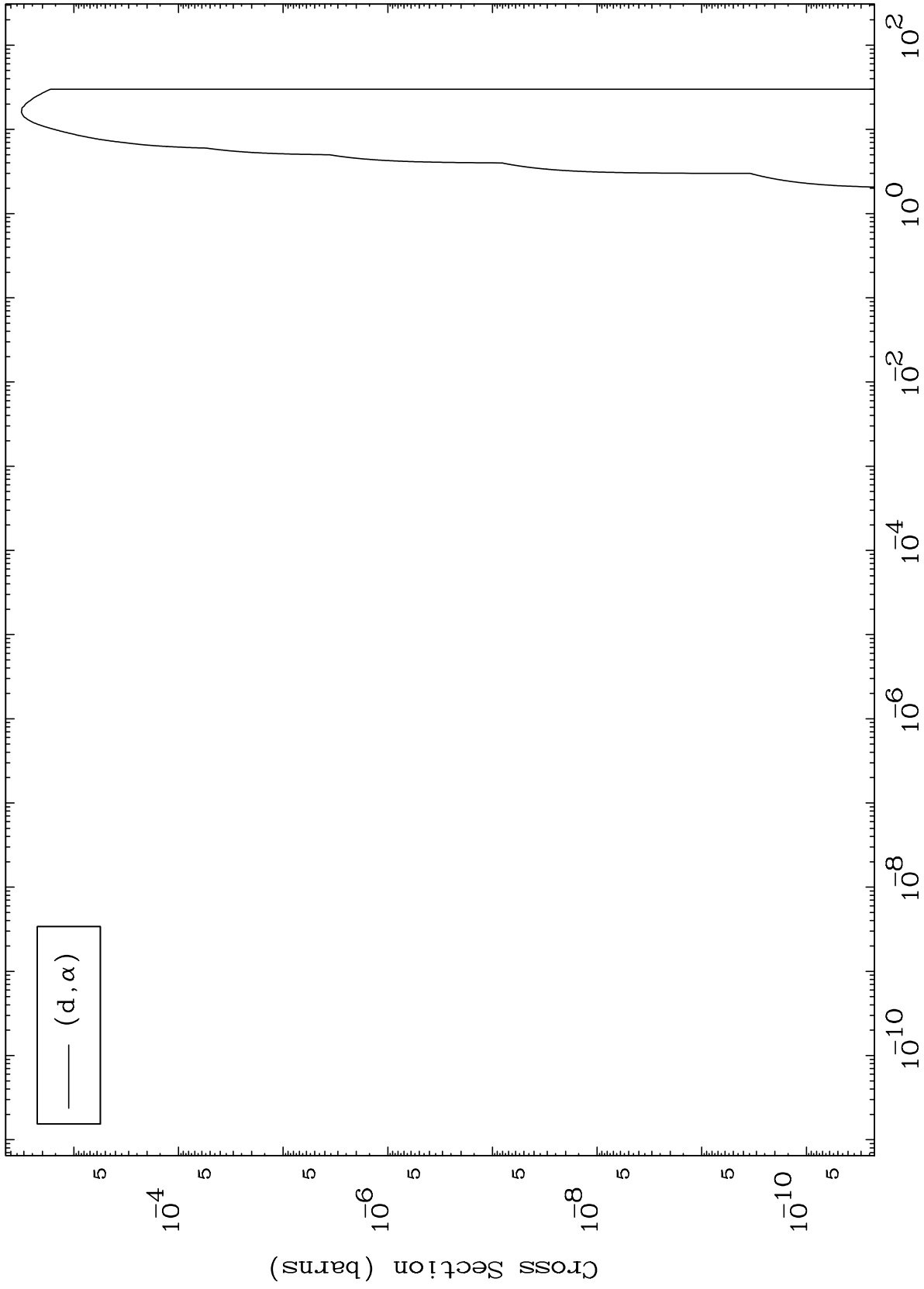
Incident Energy (MeV)

54-Xe-135

MAT 5459

(d, α) Levels
0 Kelvin Cross Sections

54-Xe-135



11

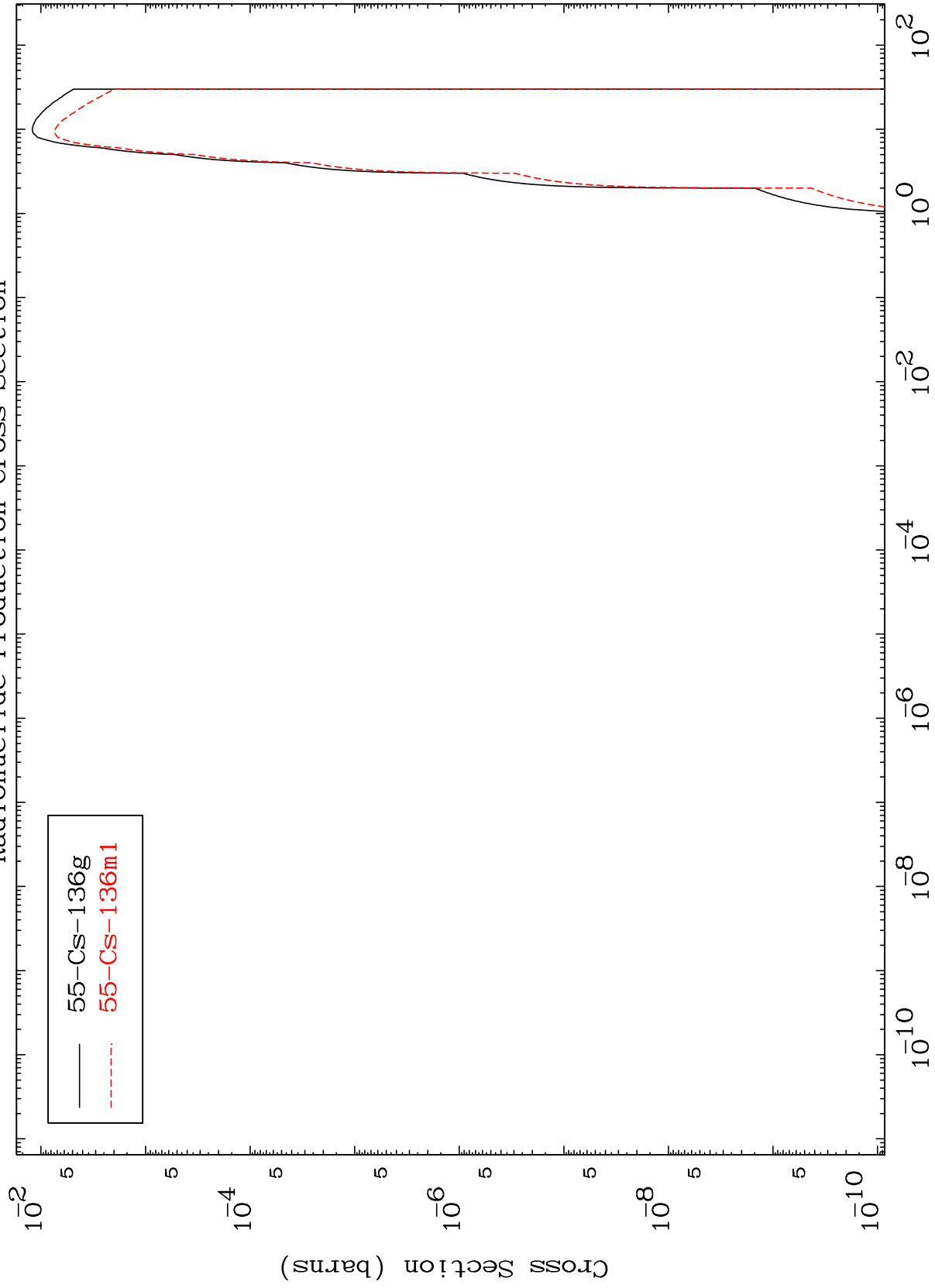
Incident Energy (MeV)

54-Xe-135

MAT 5459

Deuteron Inelastic
Radionuclide Production Cross Section

54-Xe-135



12

Incident Energy (MeV)

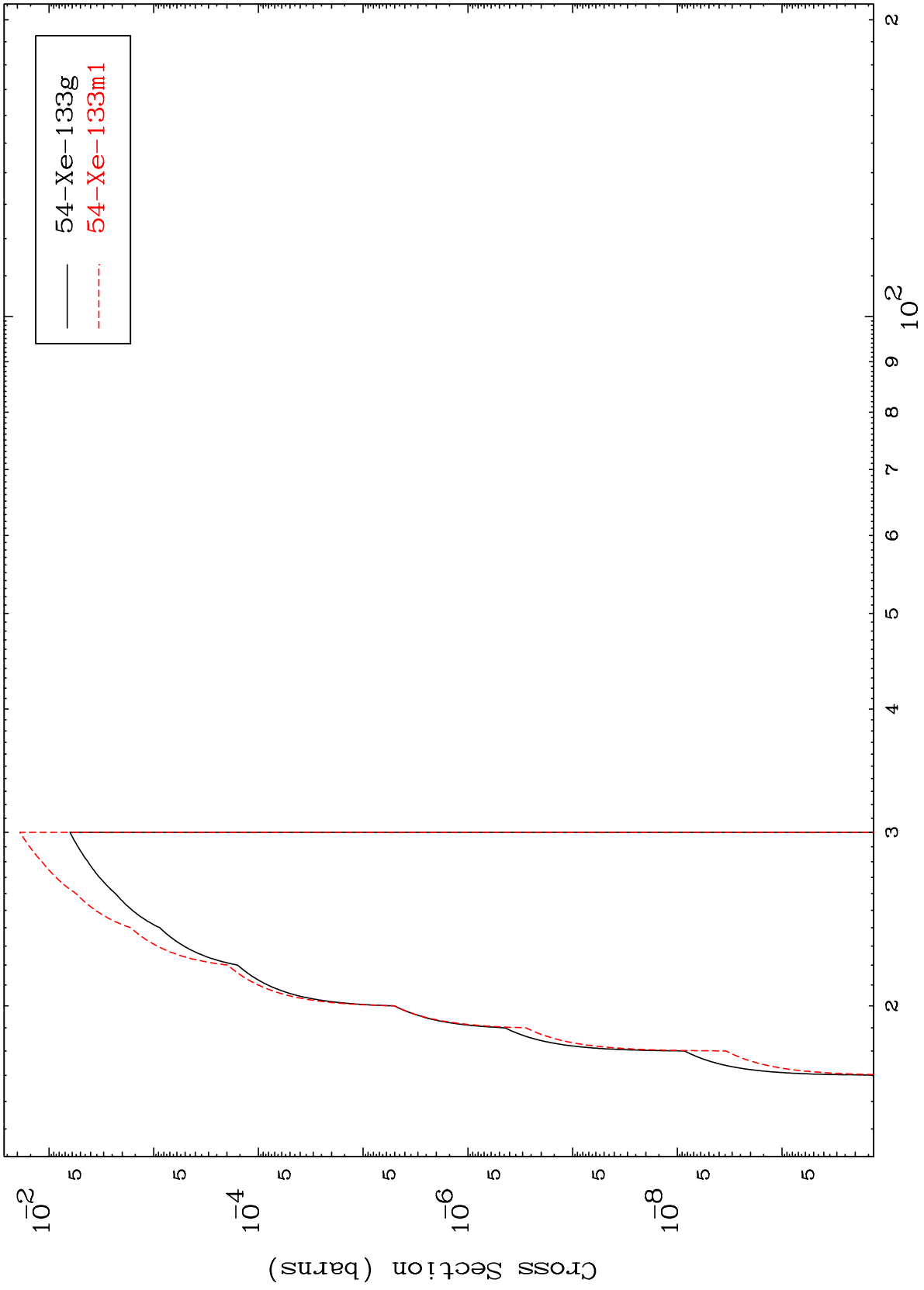
54-Xe-135

MAT 5459

(d,2n) d

54-Xe-135

Radionuclide Production Cross Section



13

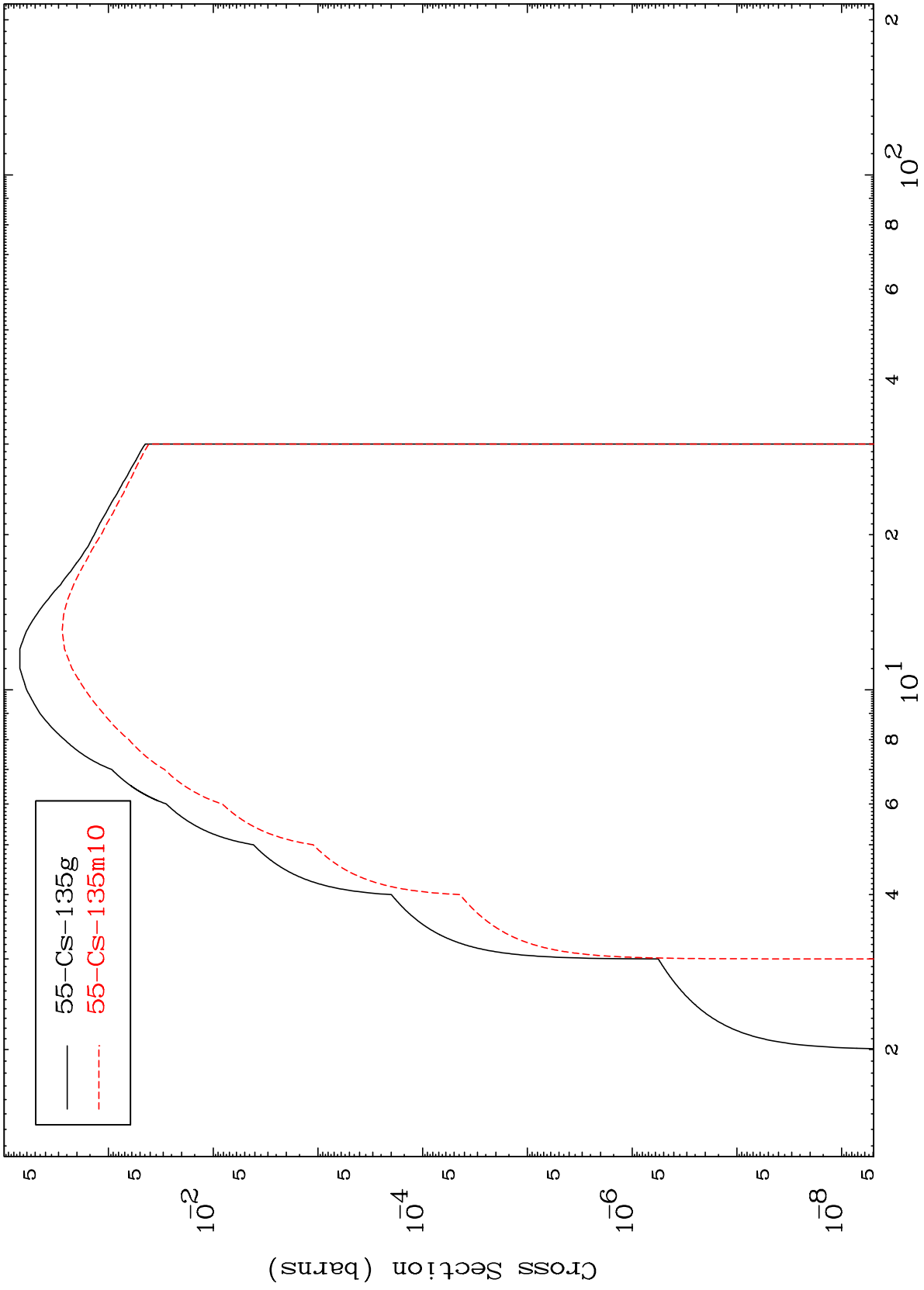
Incident Energy (MeV)

54-Xe-135

MAT 5459

54-Xe-135

Radionuclide Production Cross Section
(d,2n)



14

Incident Energy (MeV)

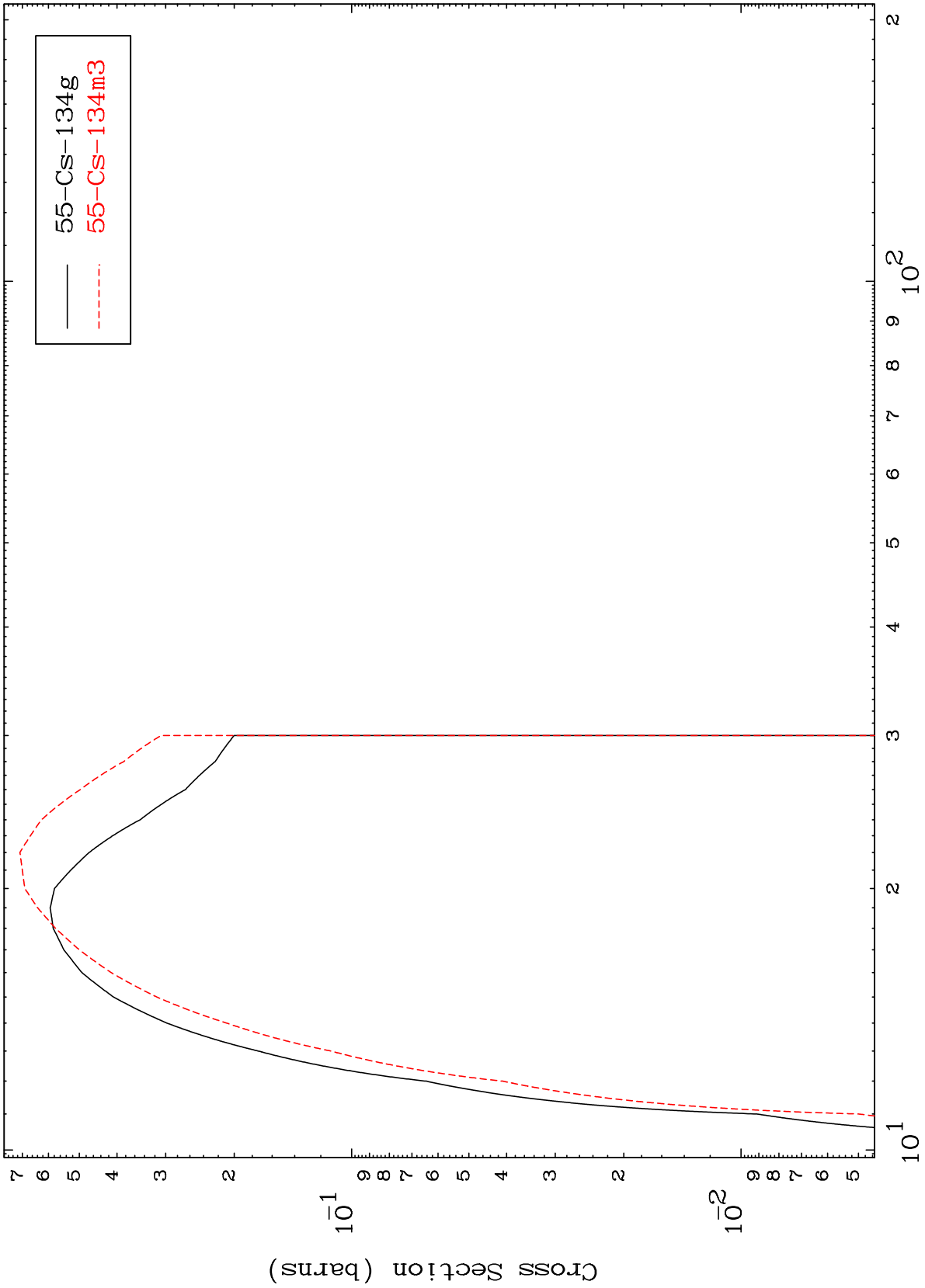
54-Xe-135

MAT 5459

(d,3n)

54-Xe-135

Radionuclide Production Cross Section



10¹

10²

Incident Energy (MeV)

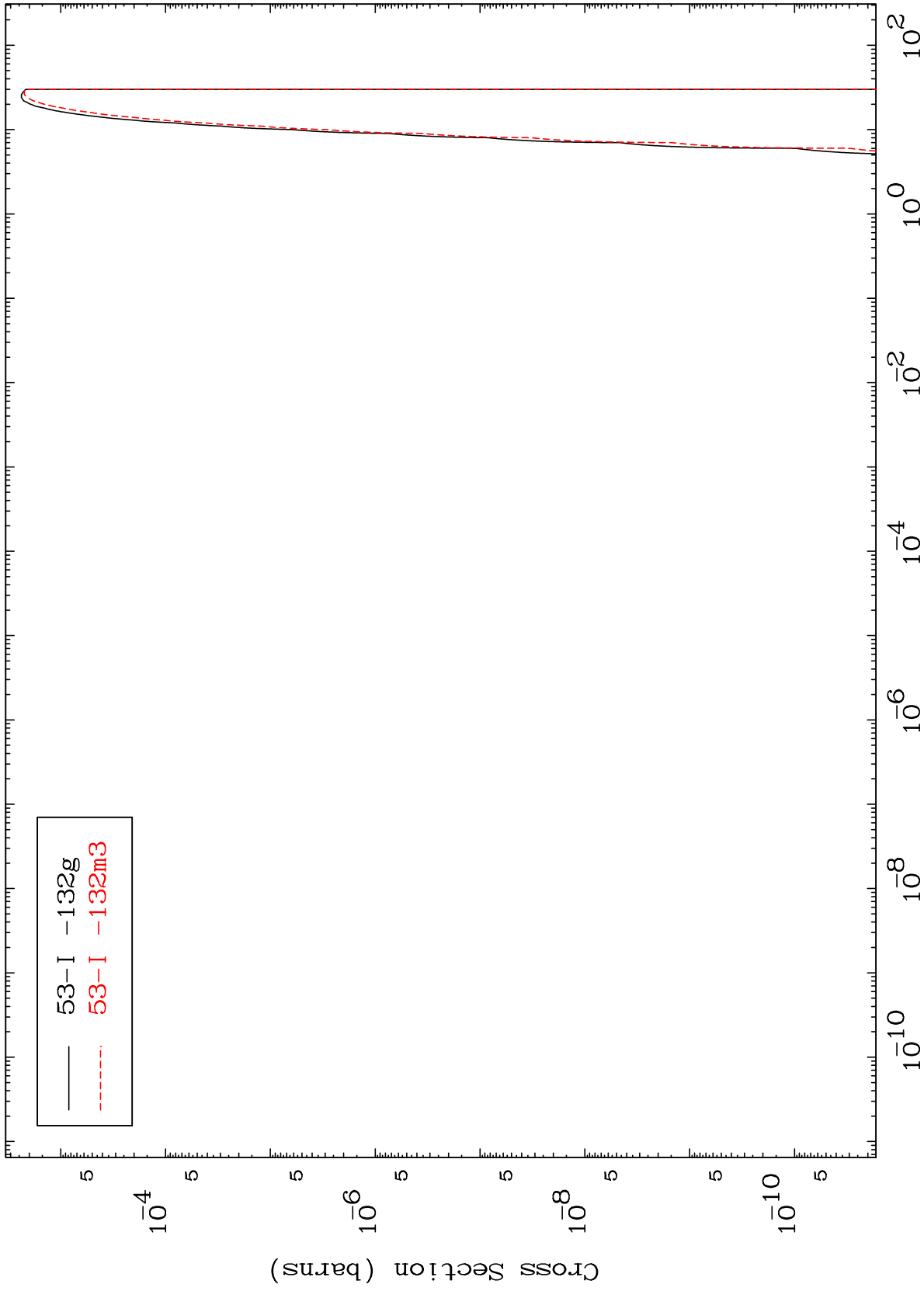
54-Xe-135

MAT 5459

(d,n') α

54-Xe-135

Radionuclide Production Cross Section



16

Incident Energy (MeV)

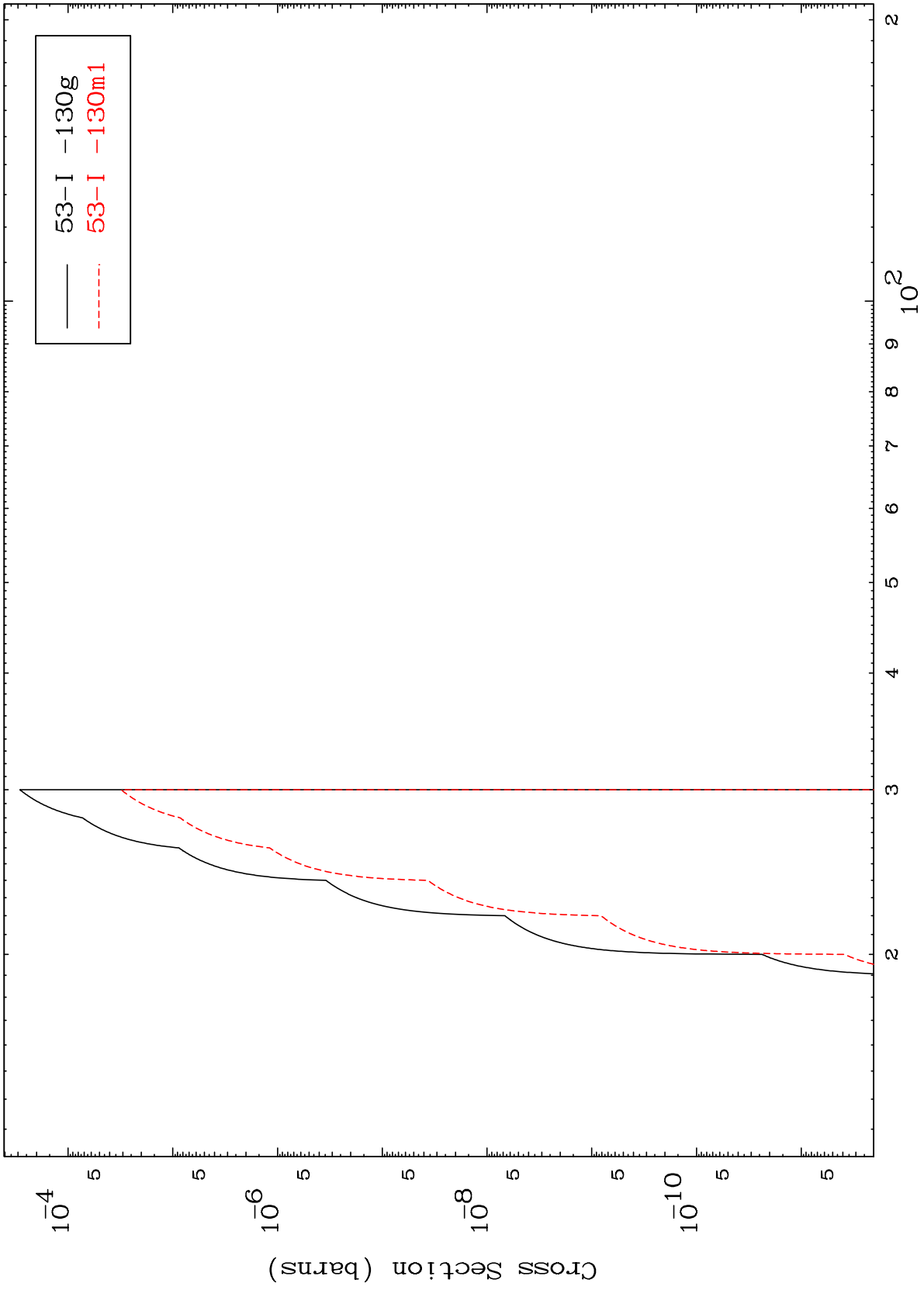
54-Xe-135

MAT 5459

(d,3n) α

54-Xe-135

Radionuclide Production Cross Section



17

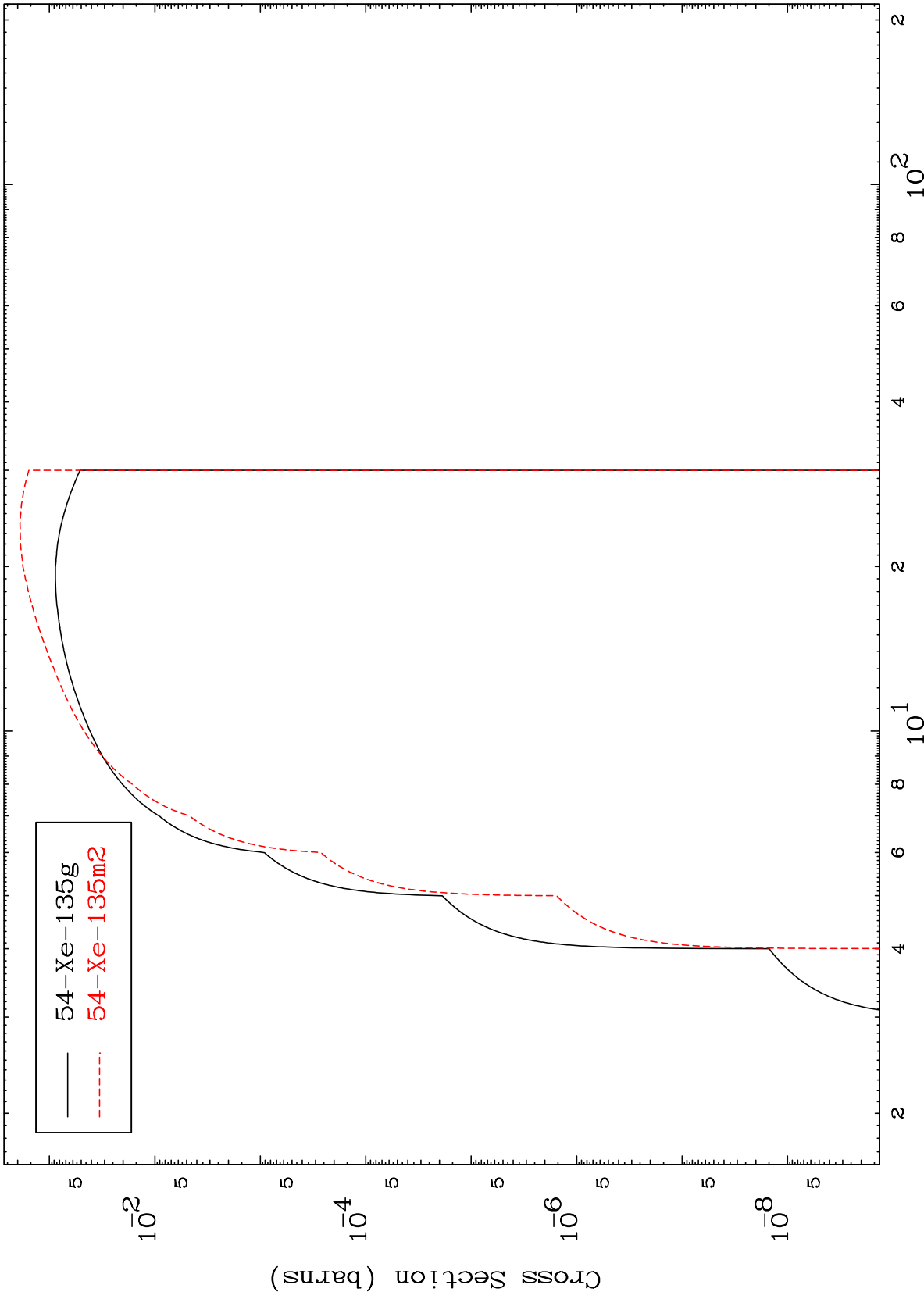
Incident Energy (MeV)

54-Xe-135

MAT 5459

54-Xe-135

(d,n') p
Radionuclide Production Cross Section



18

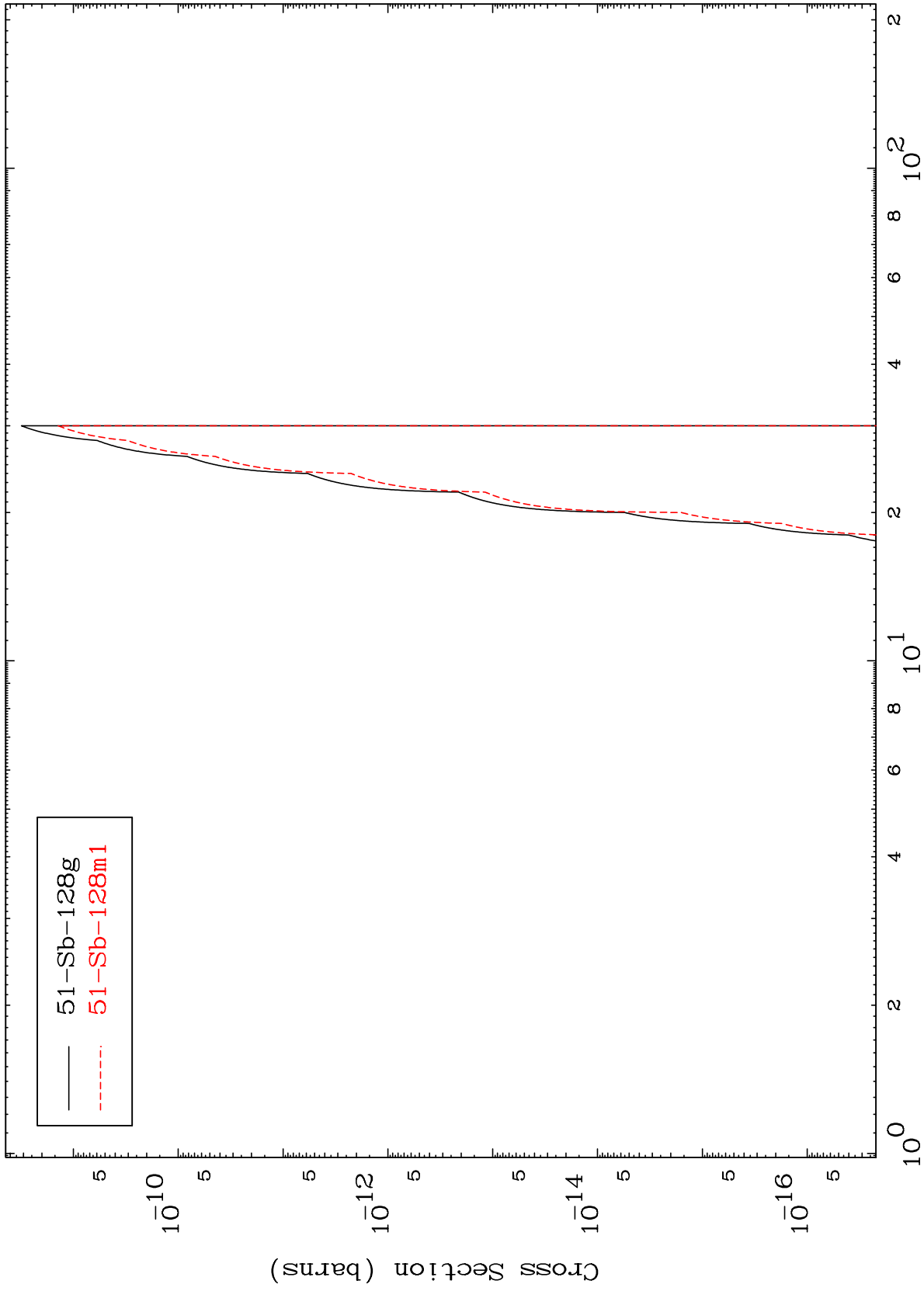
54-Xe-135

MAT 5459

(d,n') 2 α

54-Xe-135

Radionuclide Production Cross Section



19

Incident Energy (MeV)

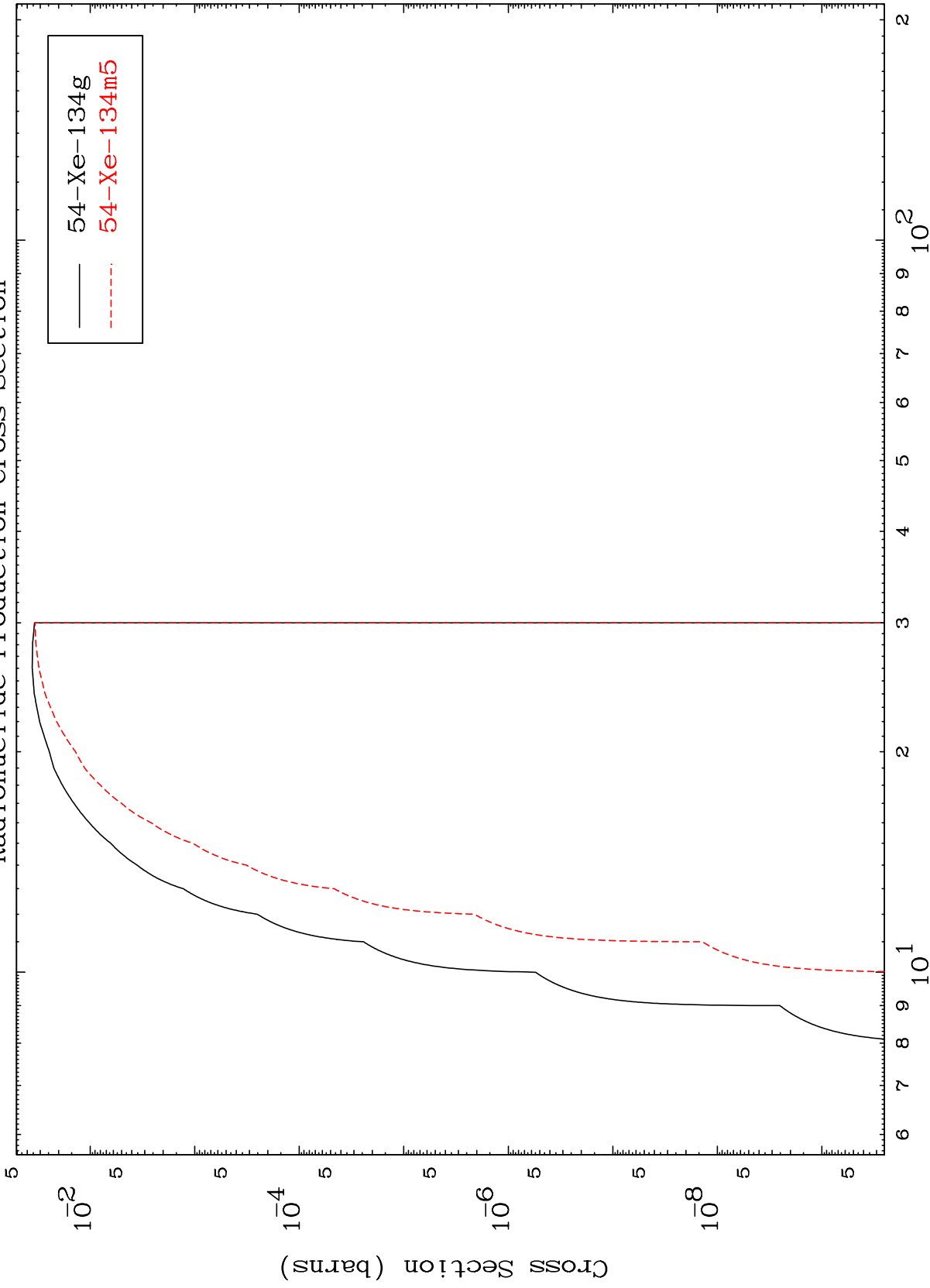
54-Xe-135

MAT 5459

(d,n') d

54-Xe-135

Radionuclide Production Cross Section



20

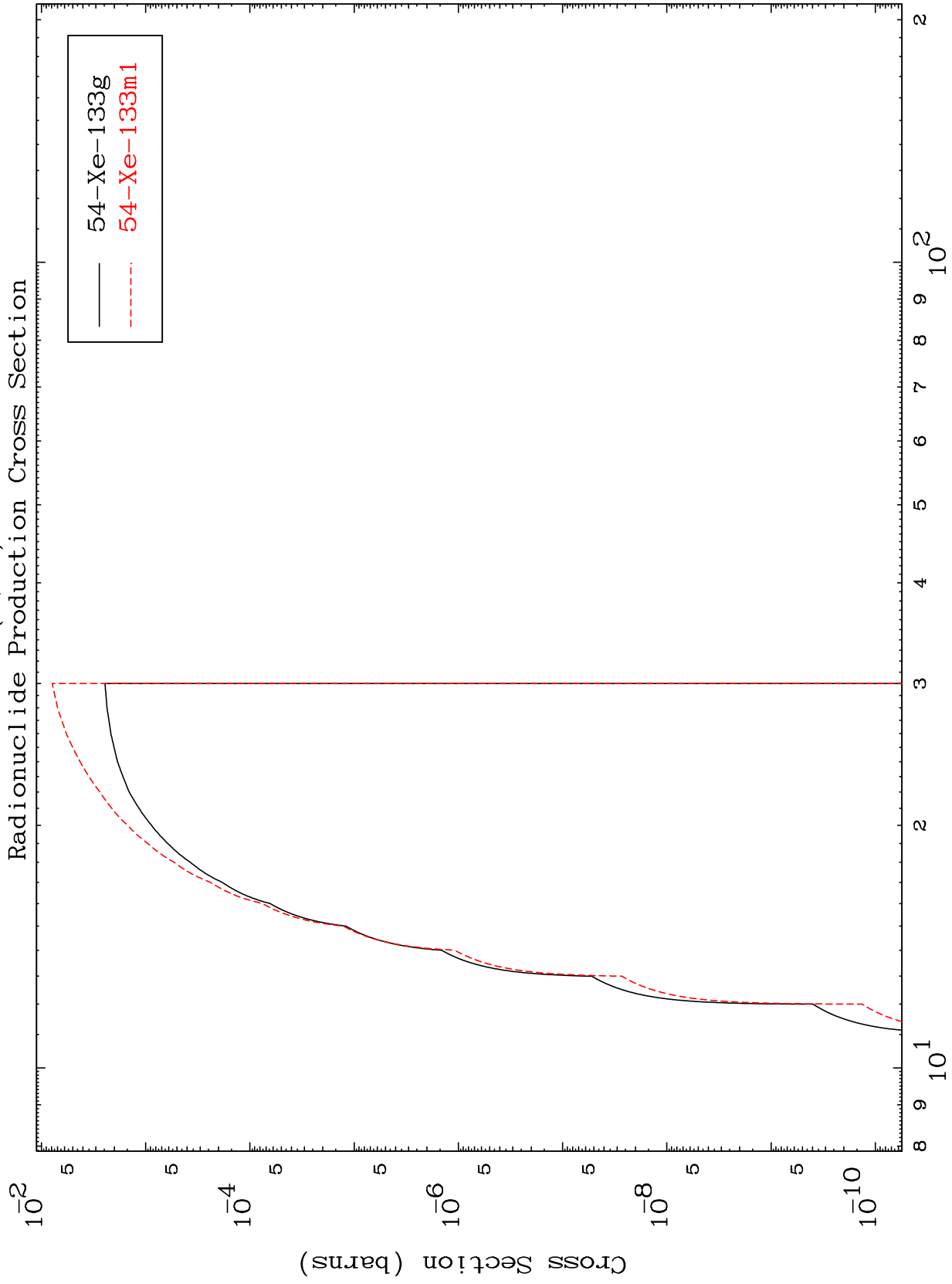
Incident Energy (MeV)

54-Xe-135

MAT 5459

(d,n') t

54-Xe-135



21

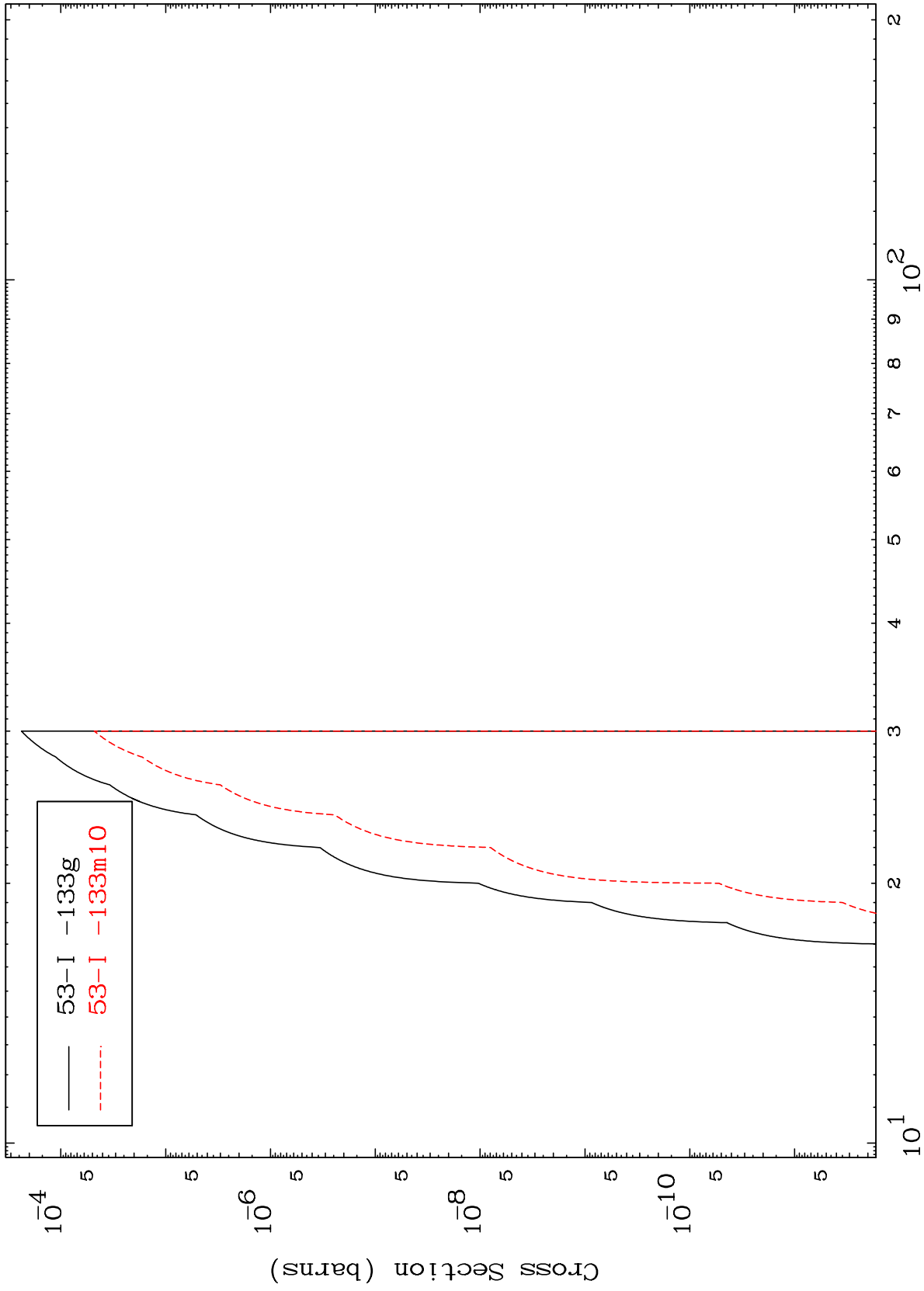
54-Xe-135

MAT 5459

(d,n') He-3

54-Xe-135

Radionuclide Production Cross Section



22

Incident Energy (MeV)

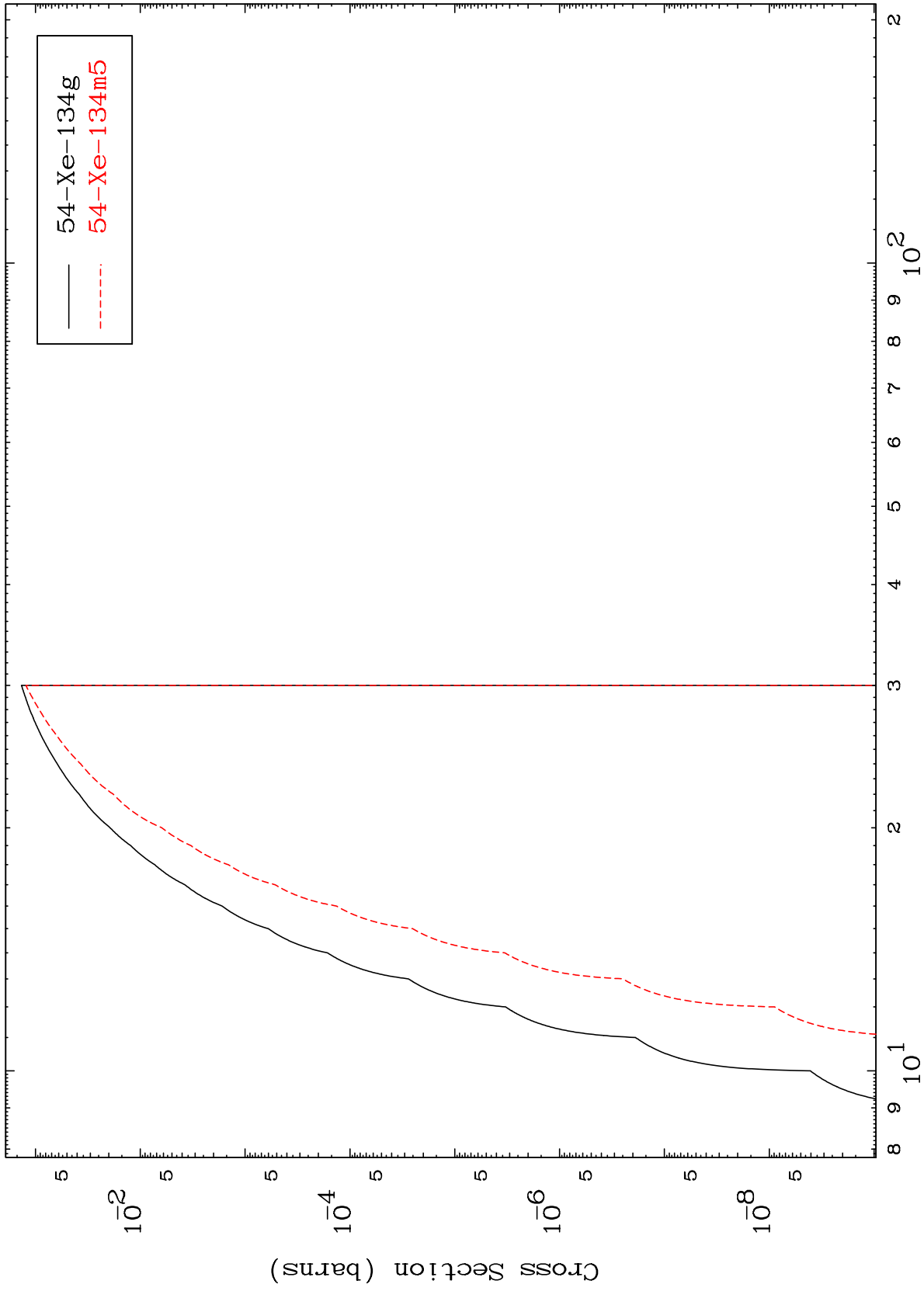
54-Xe-135

MAT 5459

(d,2n) p

⁵⁴Xe-135

Radionuclide Production Cross Section



23

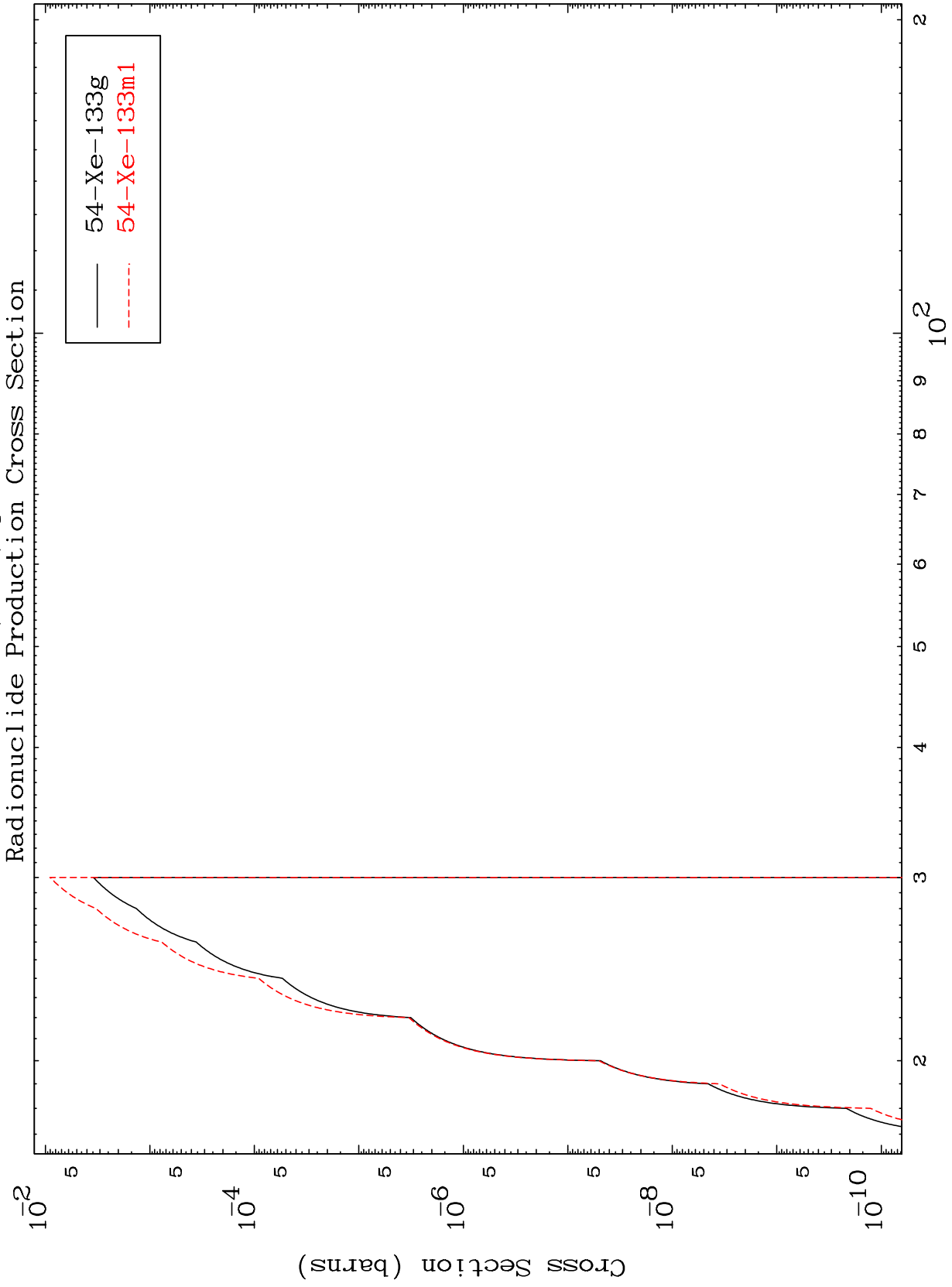
Incident Energy (MeV)

⁵⁴Xe-135

MAT 5459

(d,3n) p

54-Xe-135



24

Incident Energy (MeV)

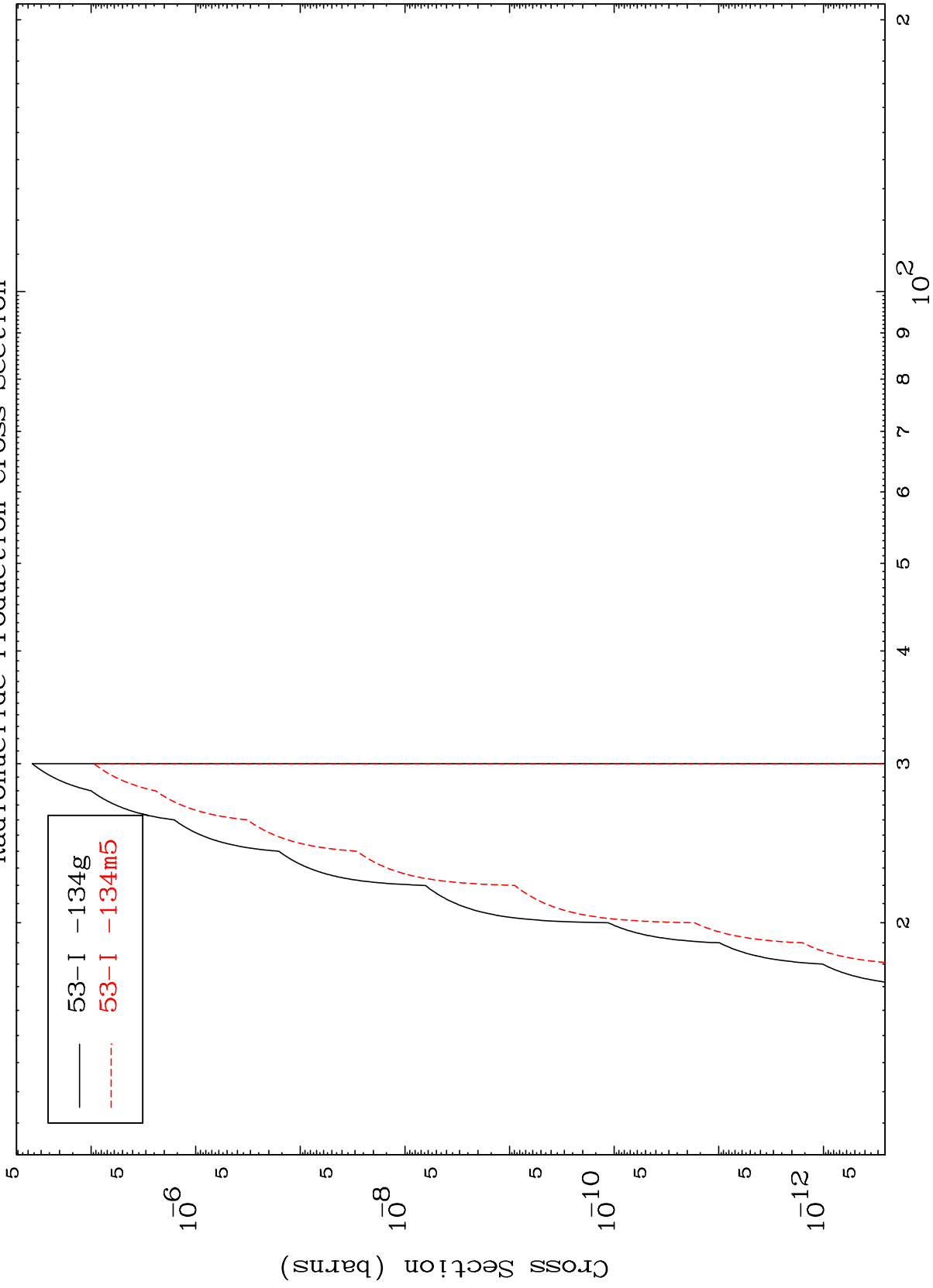
54-Xe-135

MAT 5459

(d,2n) p

54-Xe-135

Radionuclide Production Cross Section



25

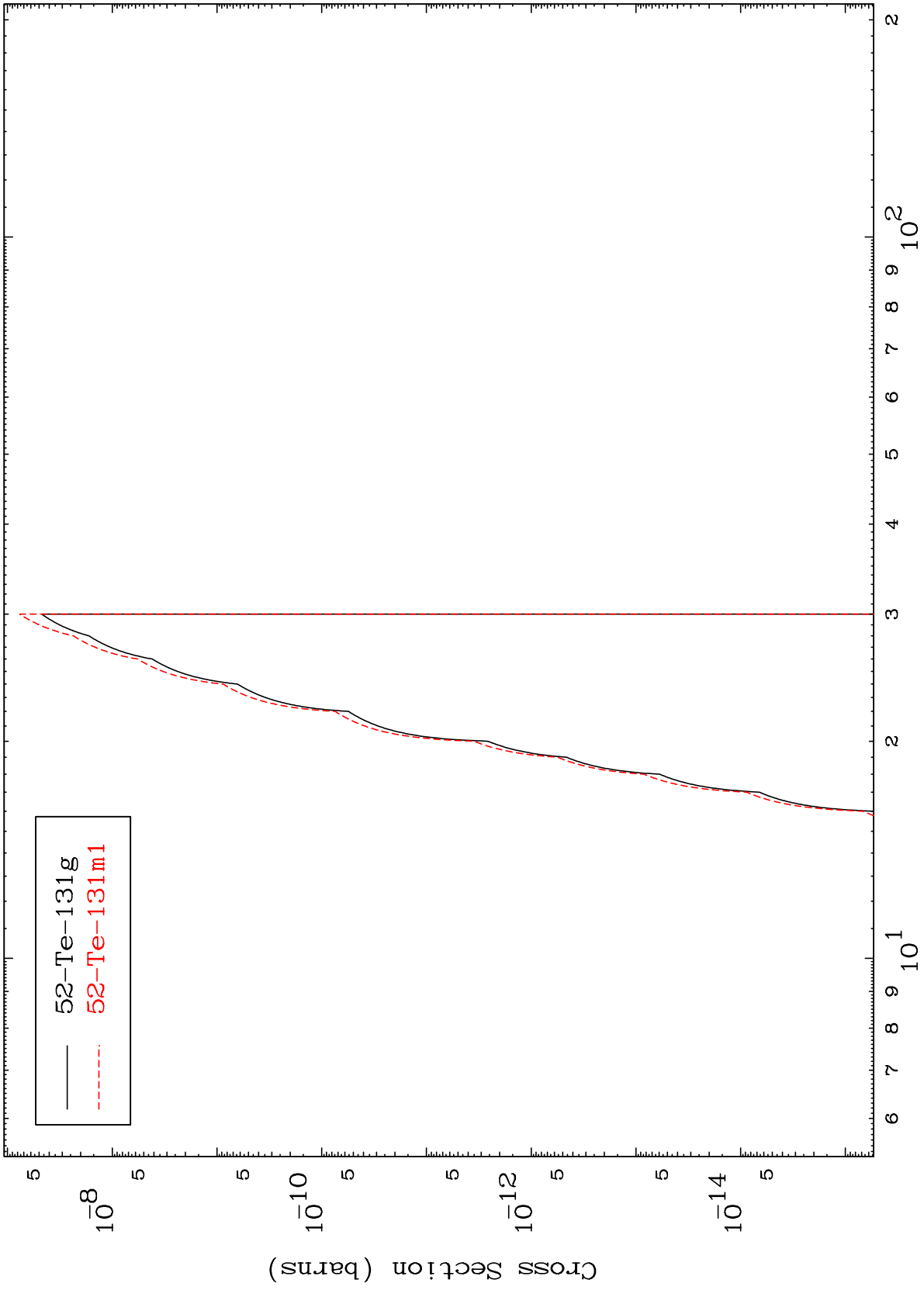
Incident Energy (MeV)

54-Xe-135

MAT 5459

54-Xe-135

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



26

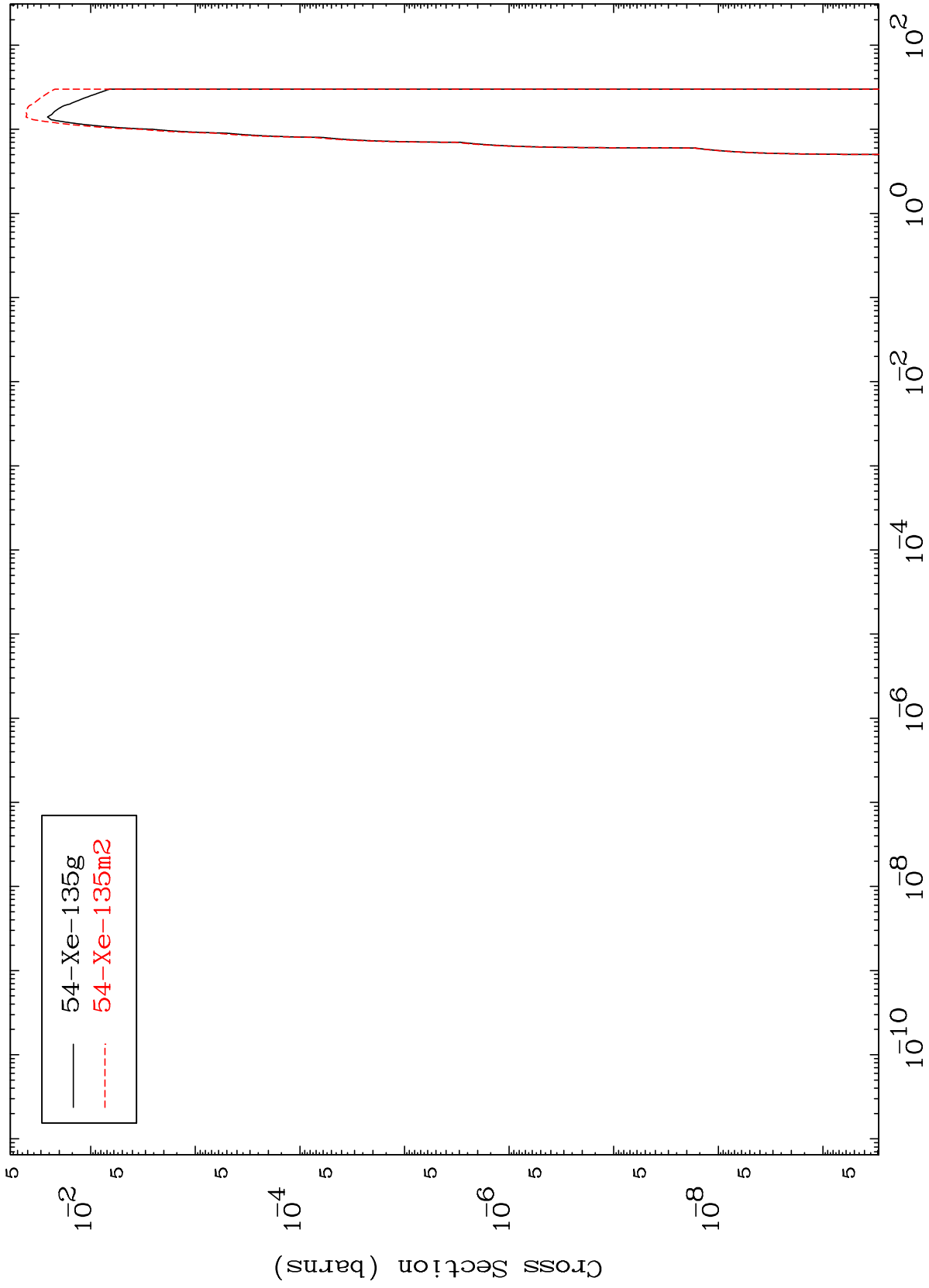
54-Xe-135

MAT 5459

(d,d)

54-Xe-135

Radionuclide Production Cross Section



27

54-Xe-135

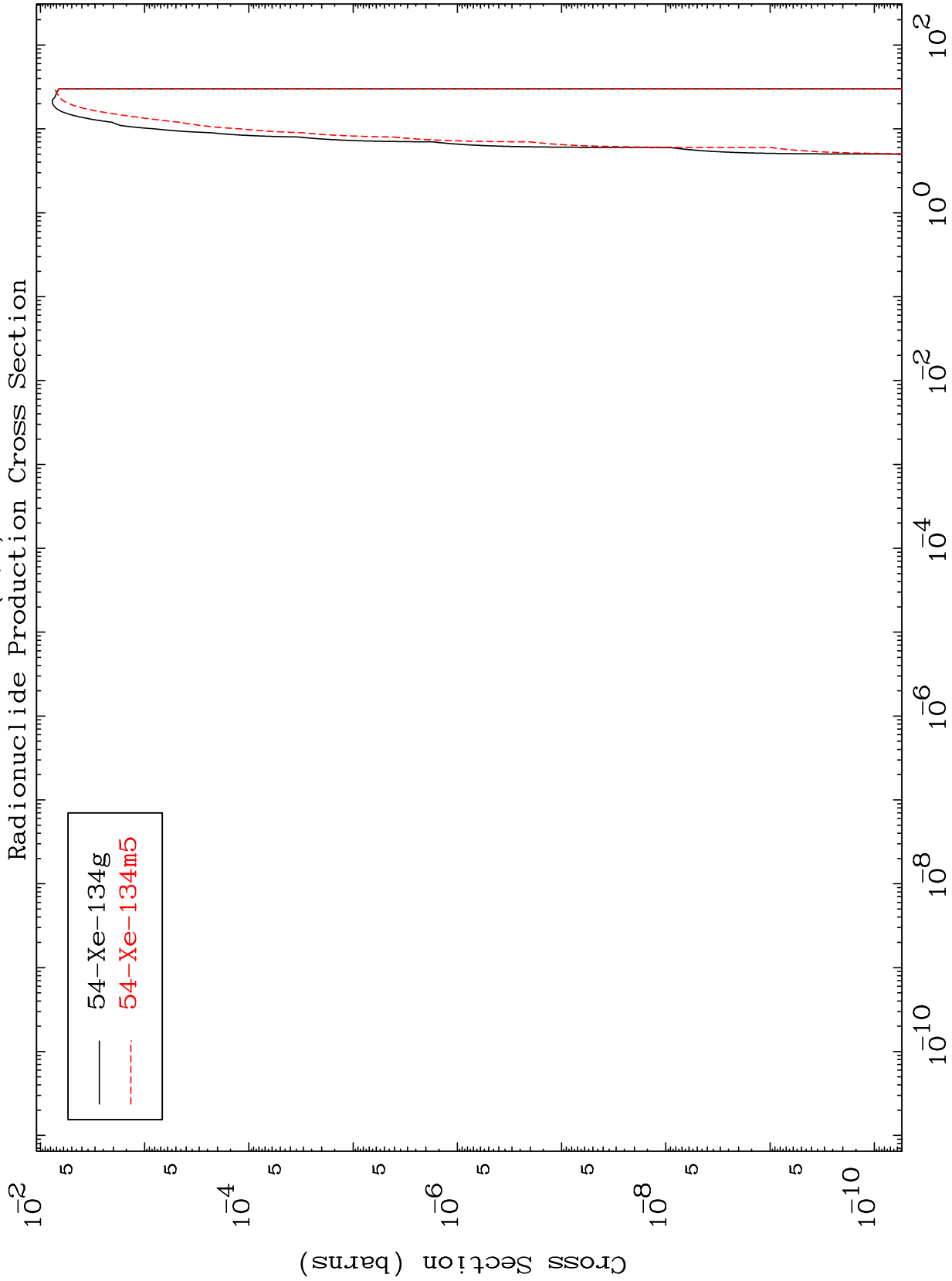
54-Xe-135

MAT 5459

(d, t)

54-Xe-135

Radionuclide Production Cross Section



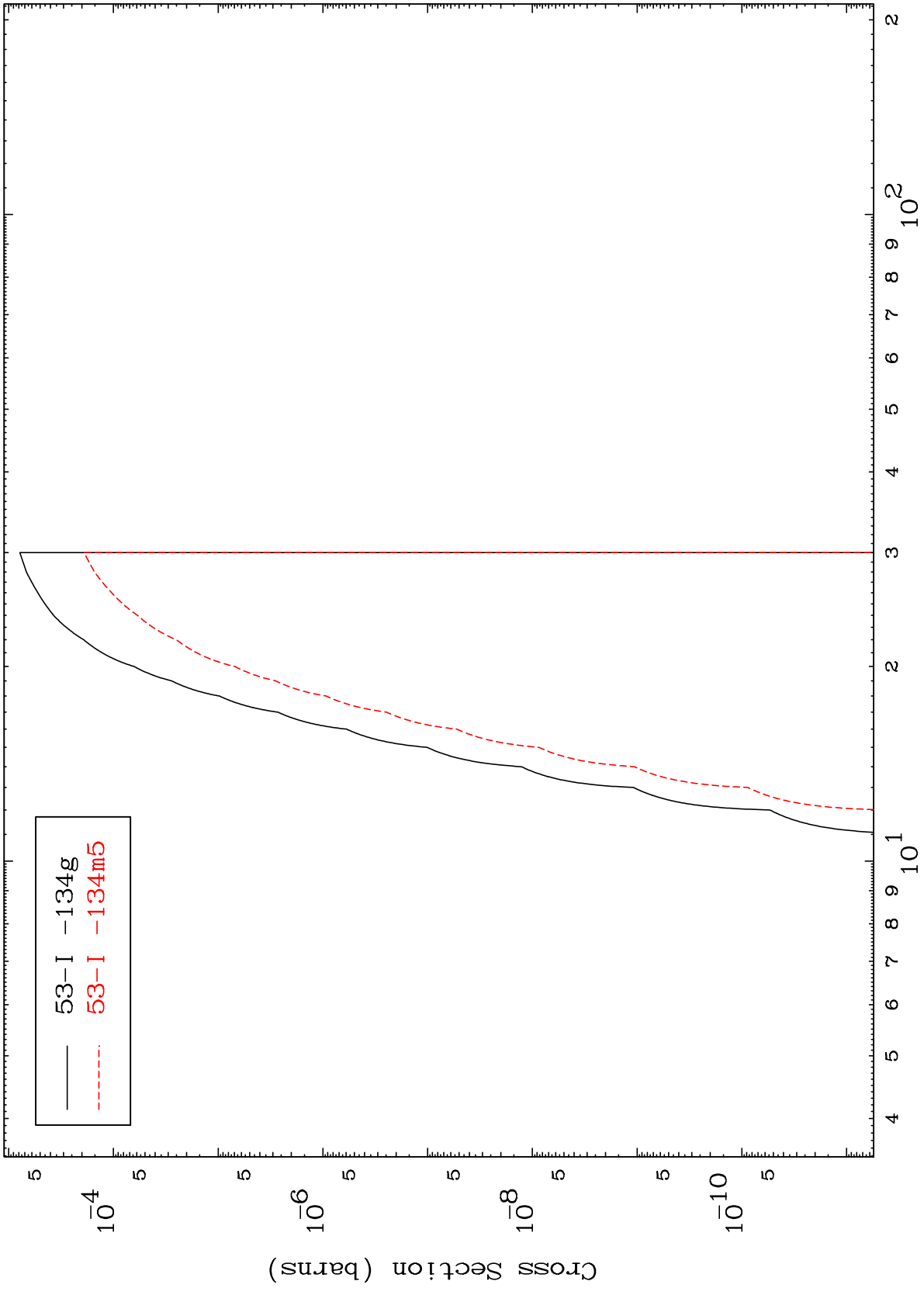
54-Xe-134g
54-Xe-134m5

MAT 5459

(d, He-3)

54-Xe-135

Radionuclide Production Cross Section



29

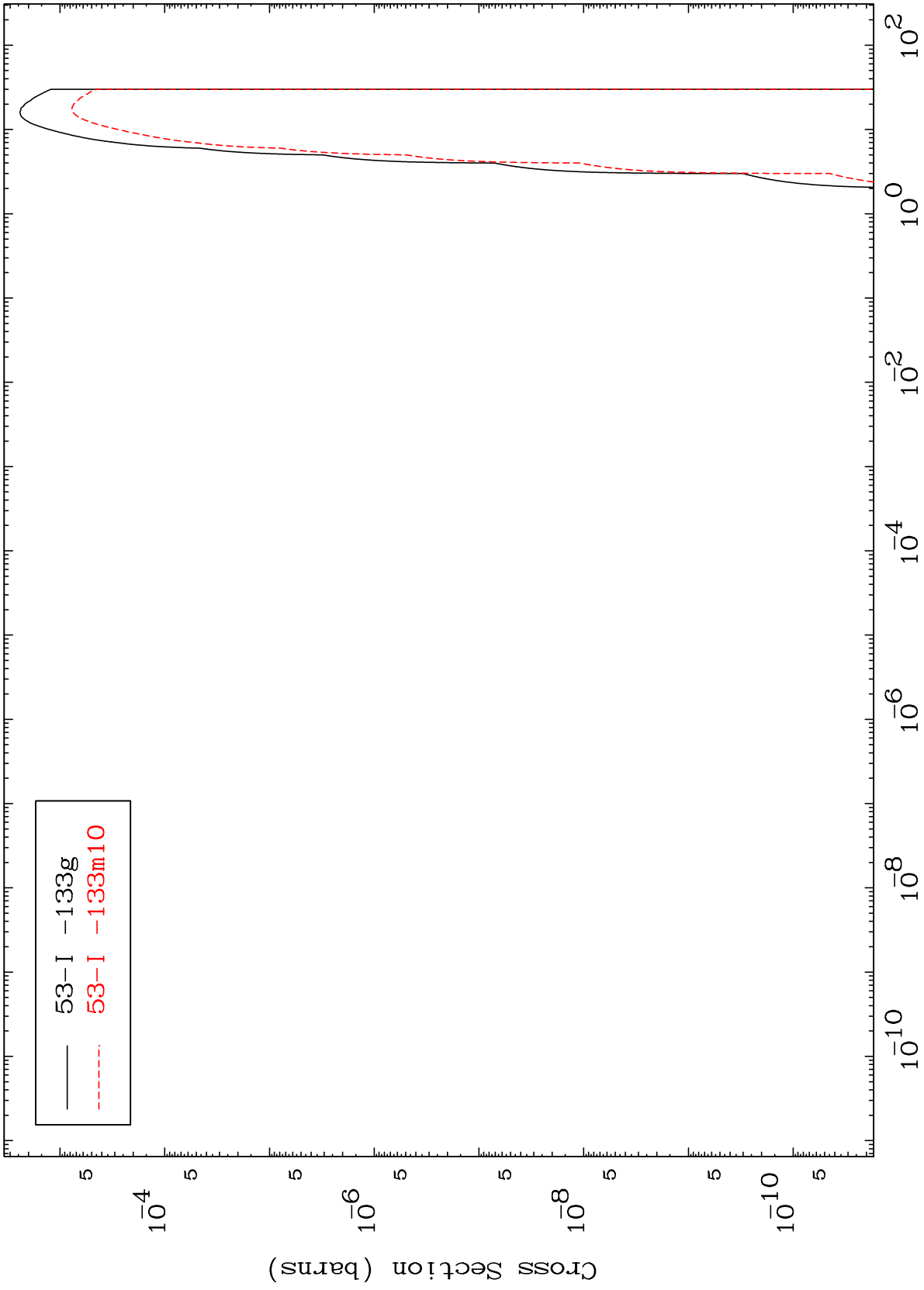
Incident Energy (MeV)

54-Xe-135

MAT 5459

(d, α)
Radionuclide Production Cross Section

54-Xe-135



30

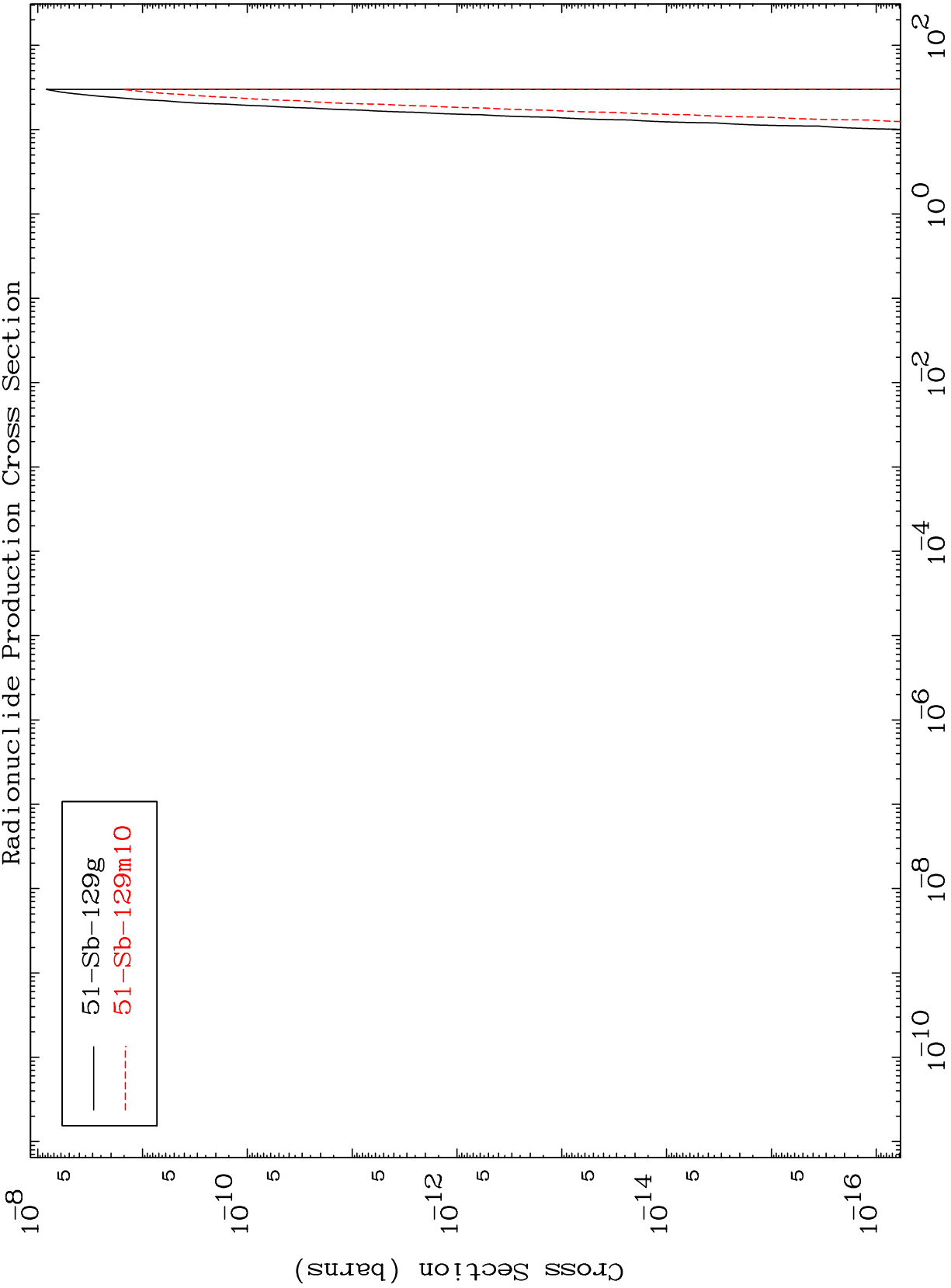
54-Xe-135

MAT 5459

(d,2α)

54-Xe-135

Radionuclide Production Cross Section



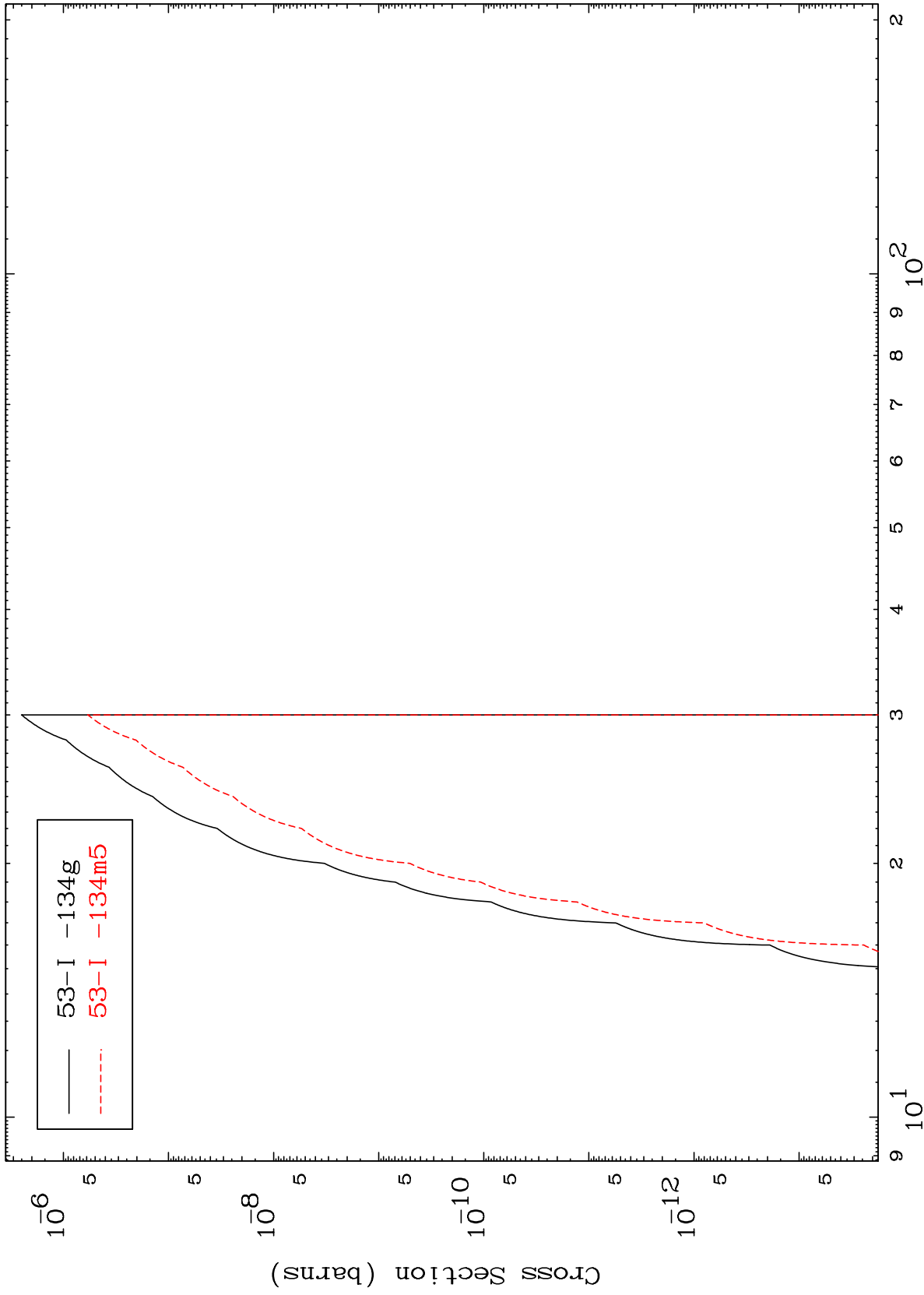
51-Sb-129g
51-Sb-129m10

MAT 5459

(d,p) d

54-Xe-135

Radionuclide Production Cross Section



32

Incident Energy (MeV)

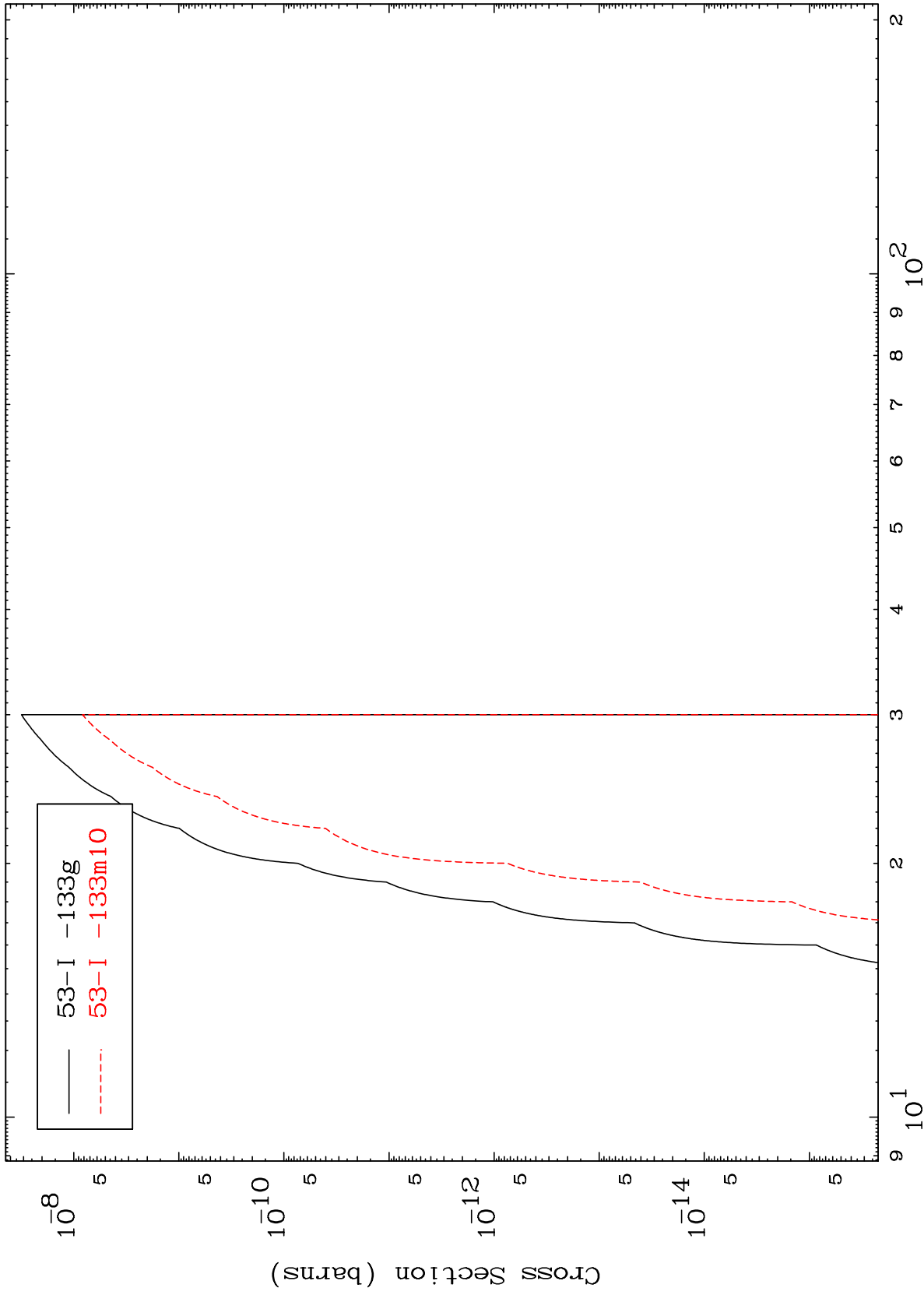
54-Xe-135

MAT 5459

(d,p) t

54-Xe-135

Radionuclide Production Cross Section



33

Incident Energy (MeV)

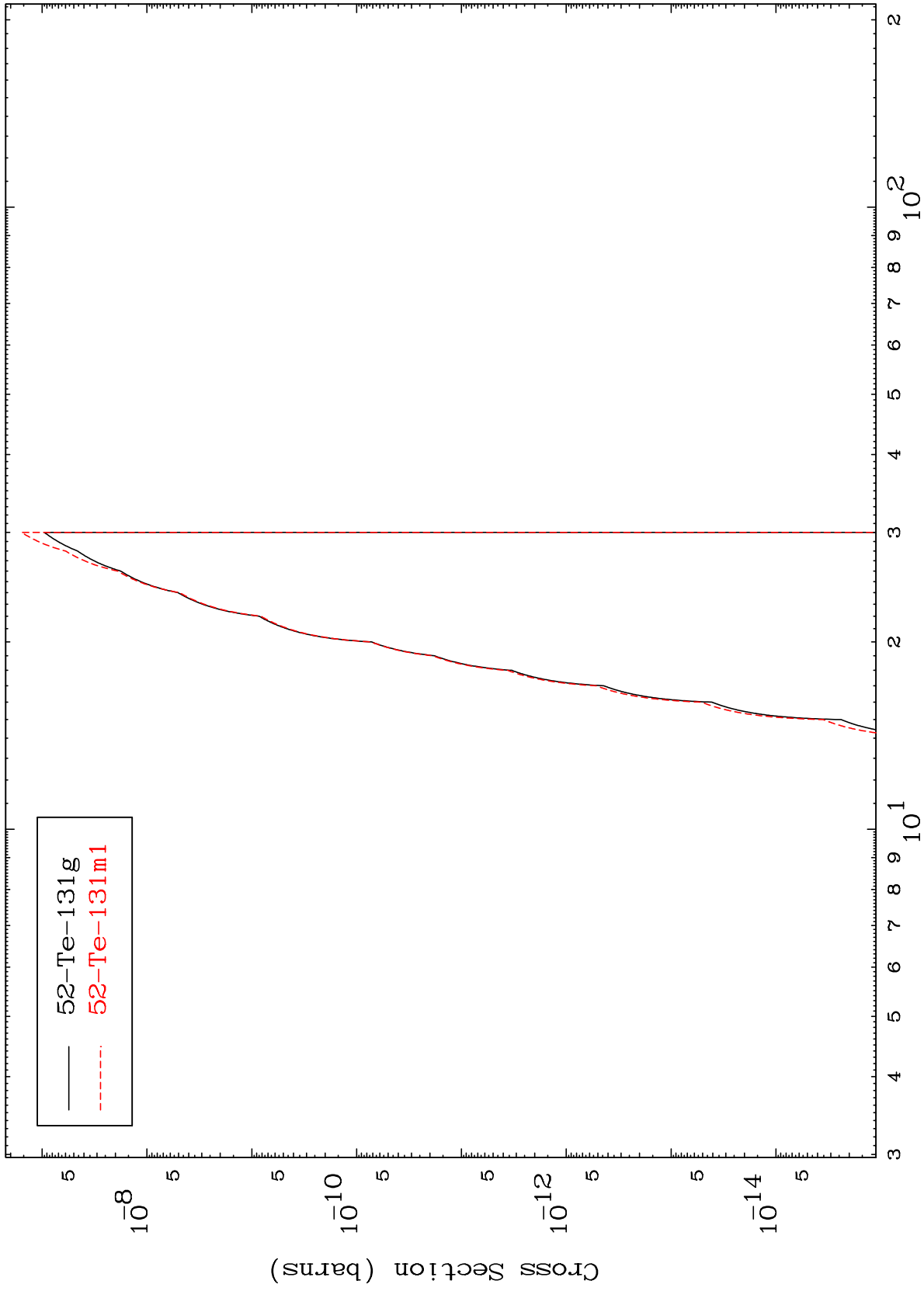
54-Xe-135

MAT 5459

(d,d) α

54-Xe-135

Radionuclide Production Cross Section



34

Incident Energy (MeV)

54-Xe-135