

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

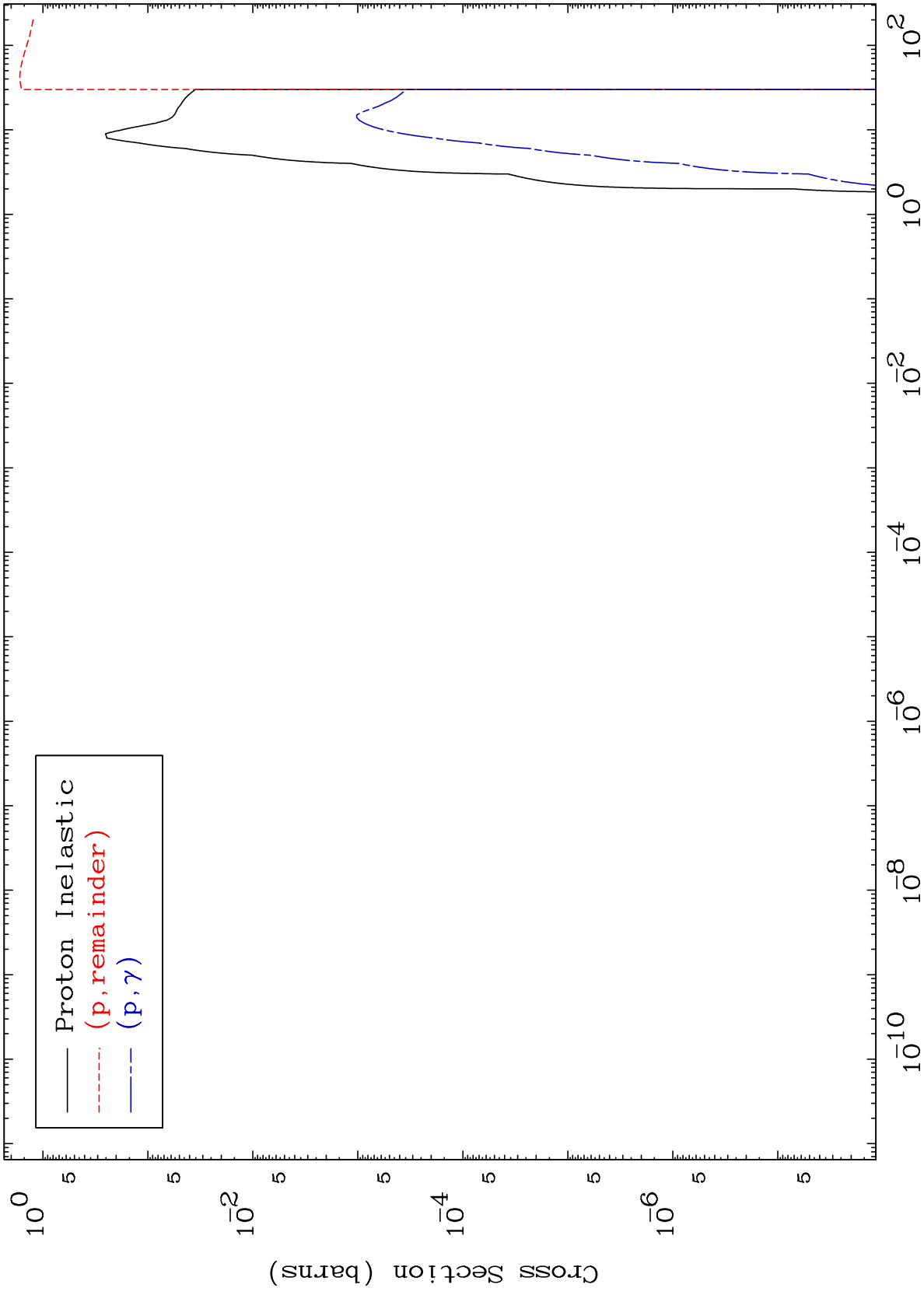
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5461

Proton Major  
0 Kelvin Cross Sections

54-Xe-136



1

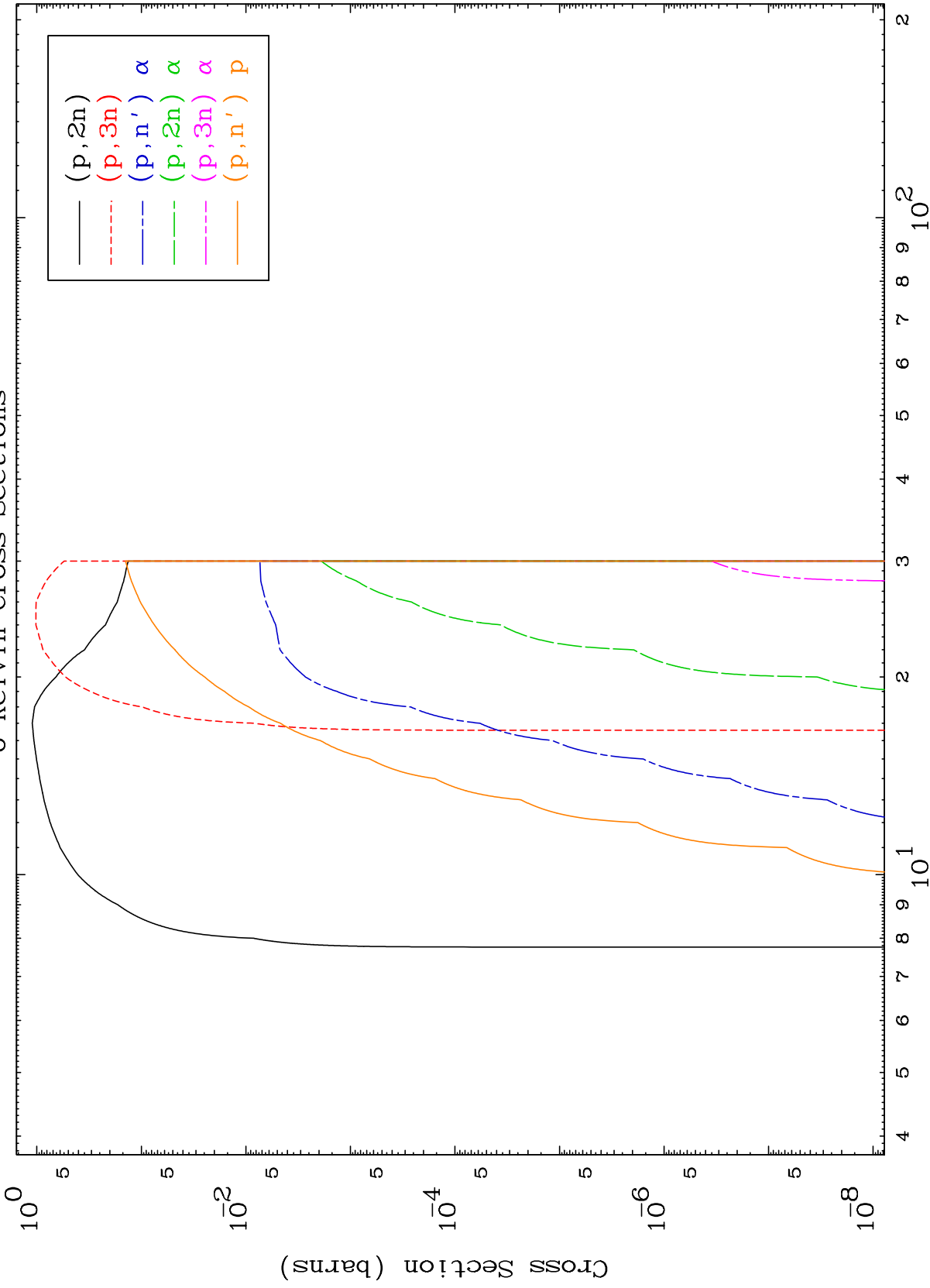
Incident Energy (MeV)

54-Xe-136

MAT 5461

Proton Neutron Production  
0 Kelvin Cross Sections

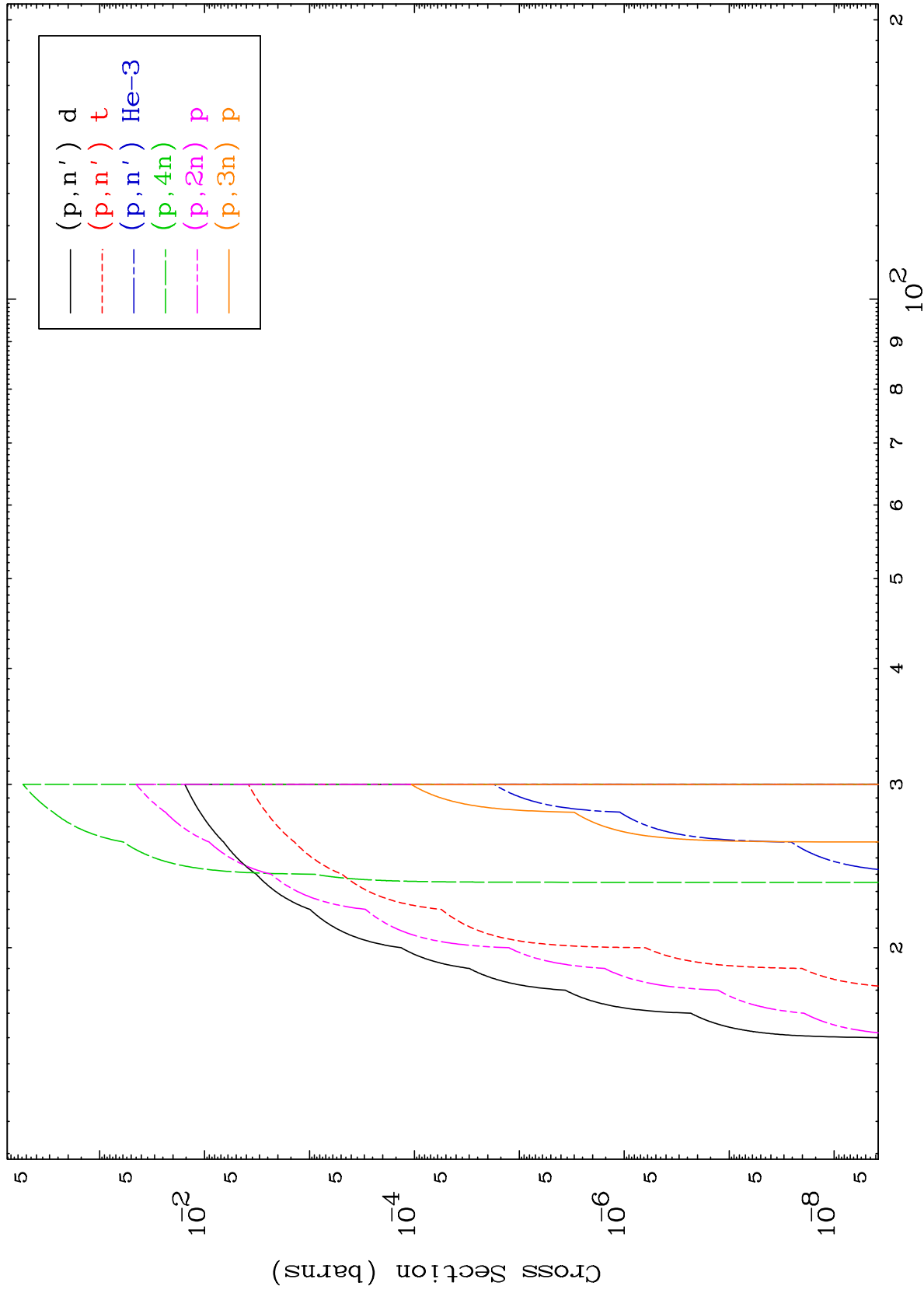
54-Xe-136

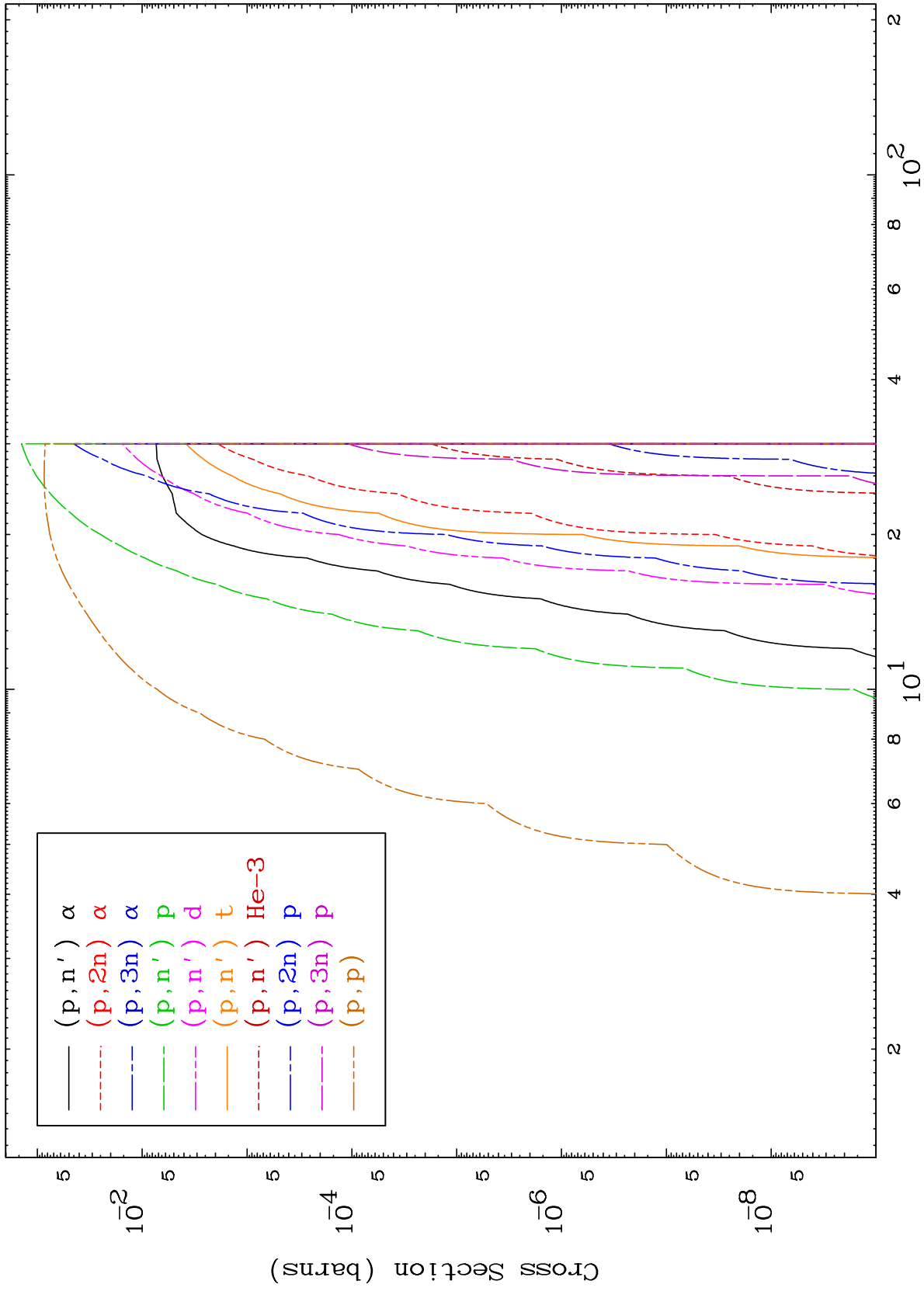


2

Incident Energy (MeV)

54-Xe-136

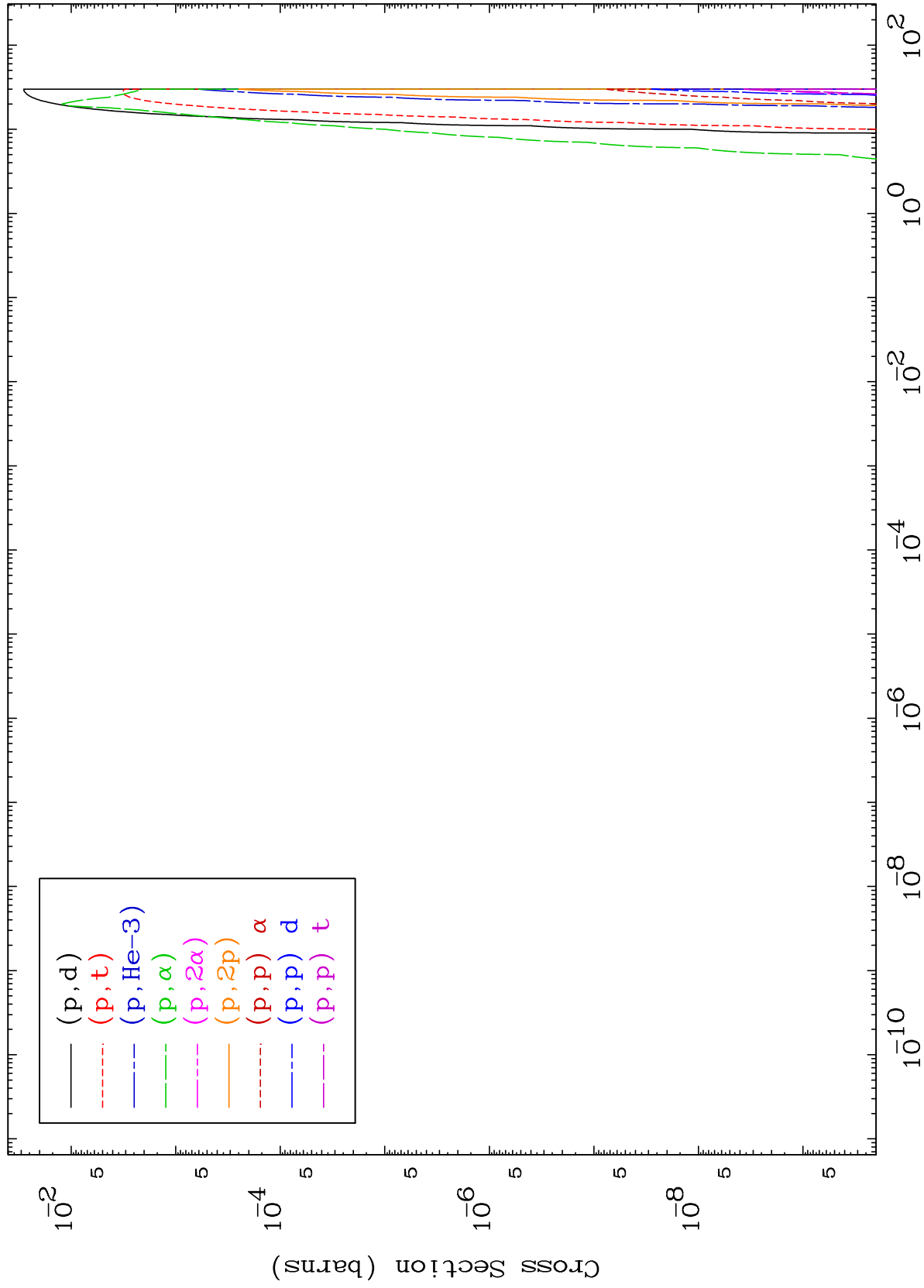




MAT 5461

Proton Charged Particle  
0 Kelvin Cross Sections

54-Xe-136



5

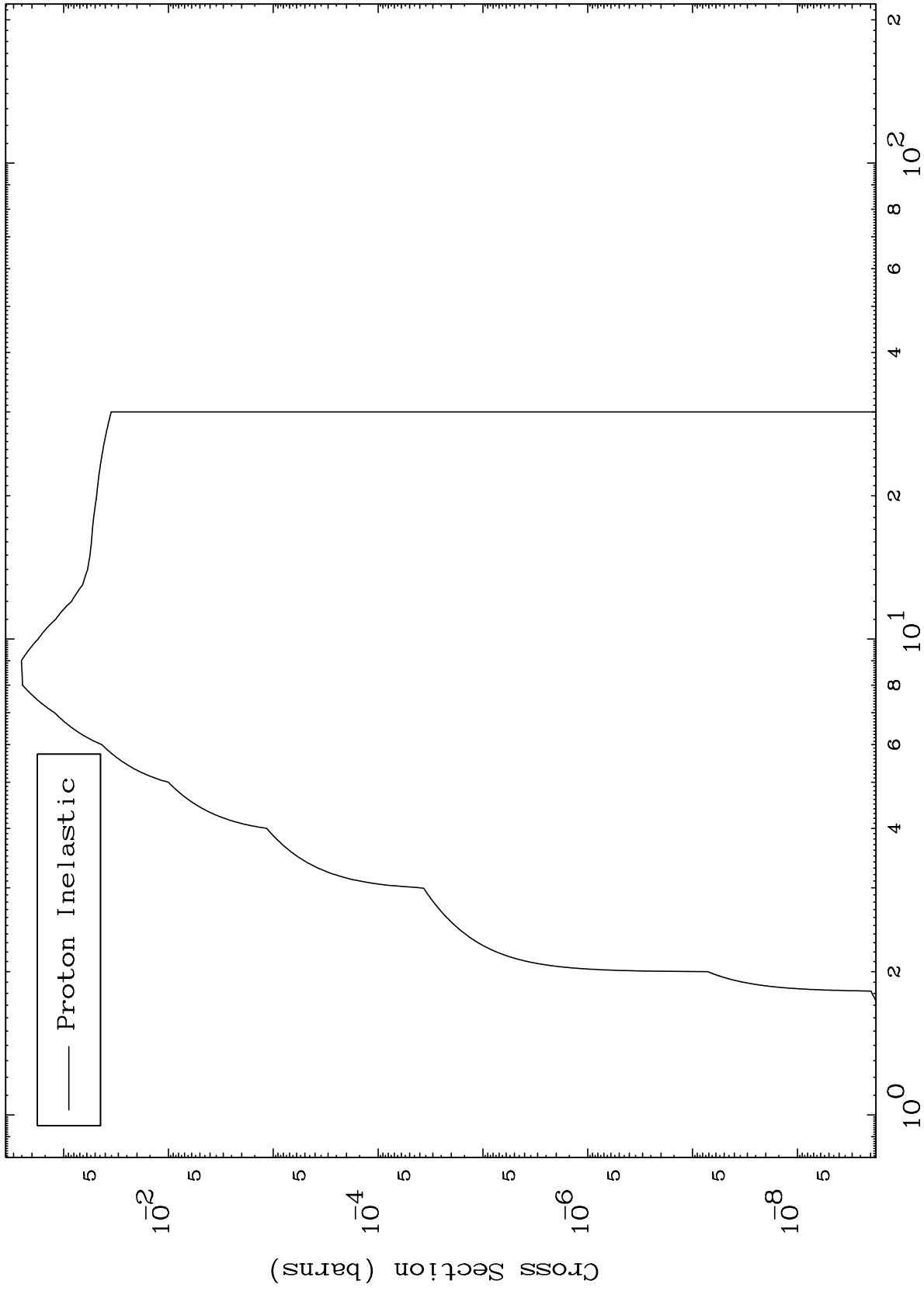
Incident Energy (MeV)

54-Xe-136

MAT 5461

(p,n') Level  
0 Kelvin Cross Sections

54-Xe-136



6

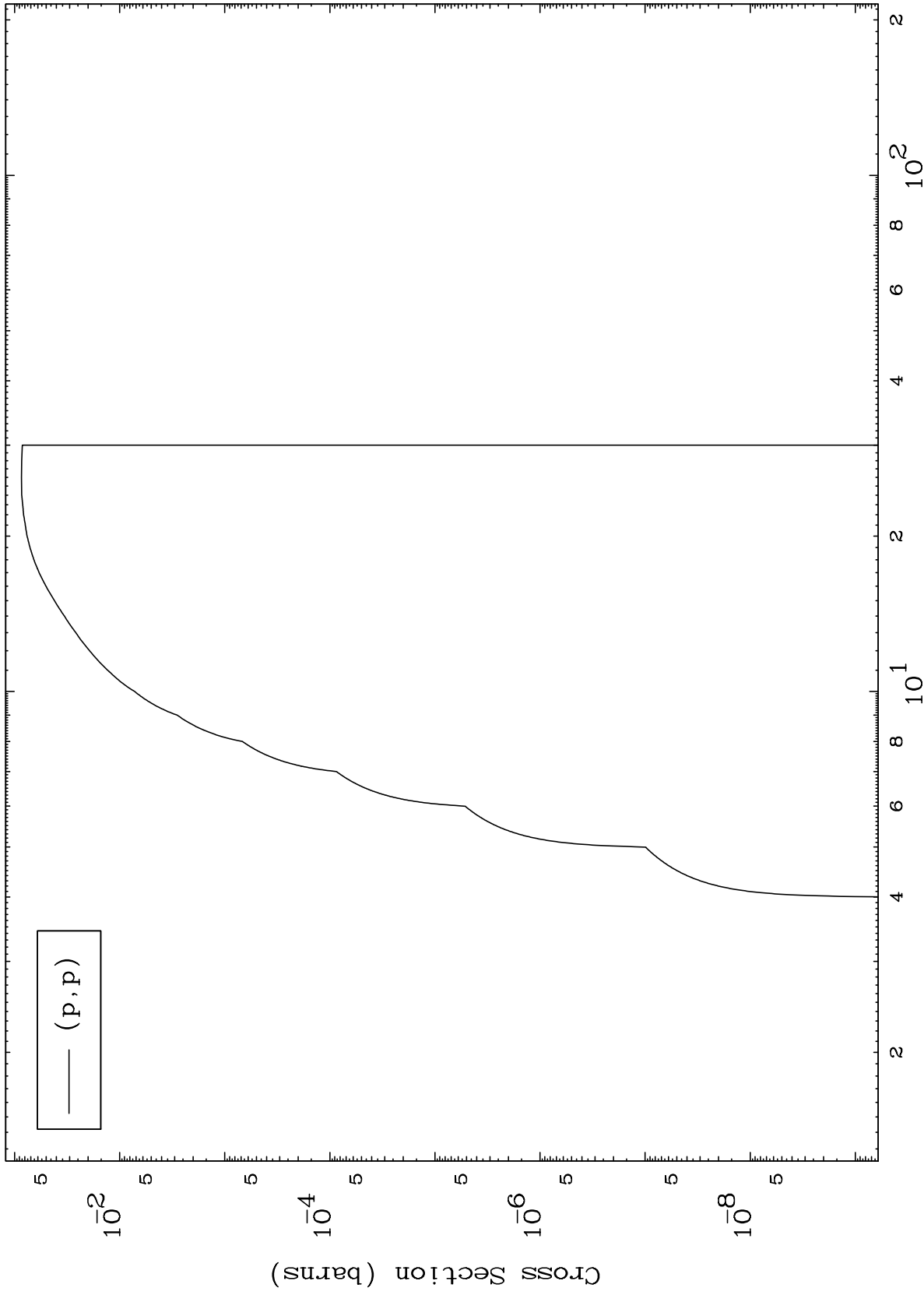
Incident Energy (MeV)

54-Xe-136

MAT 5461

(p,p) Levels  
0 Kelvin Cross Sections

54-Xe-136



7

Incident Energy (MeV)

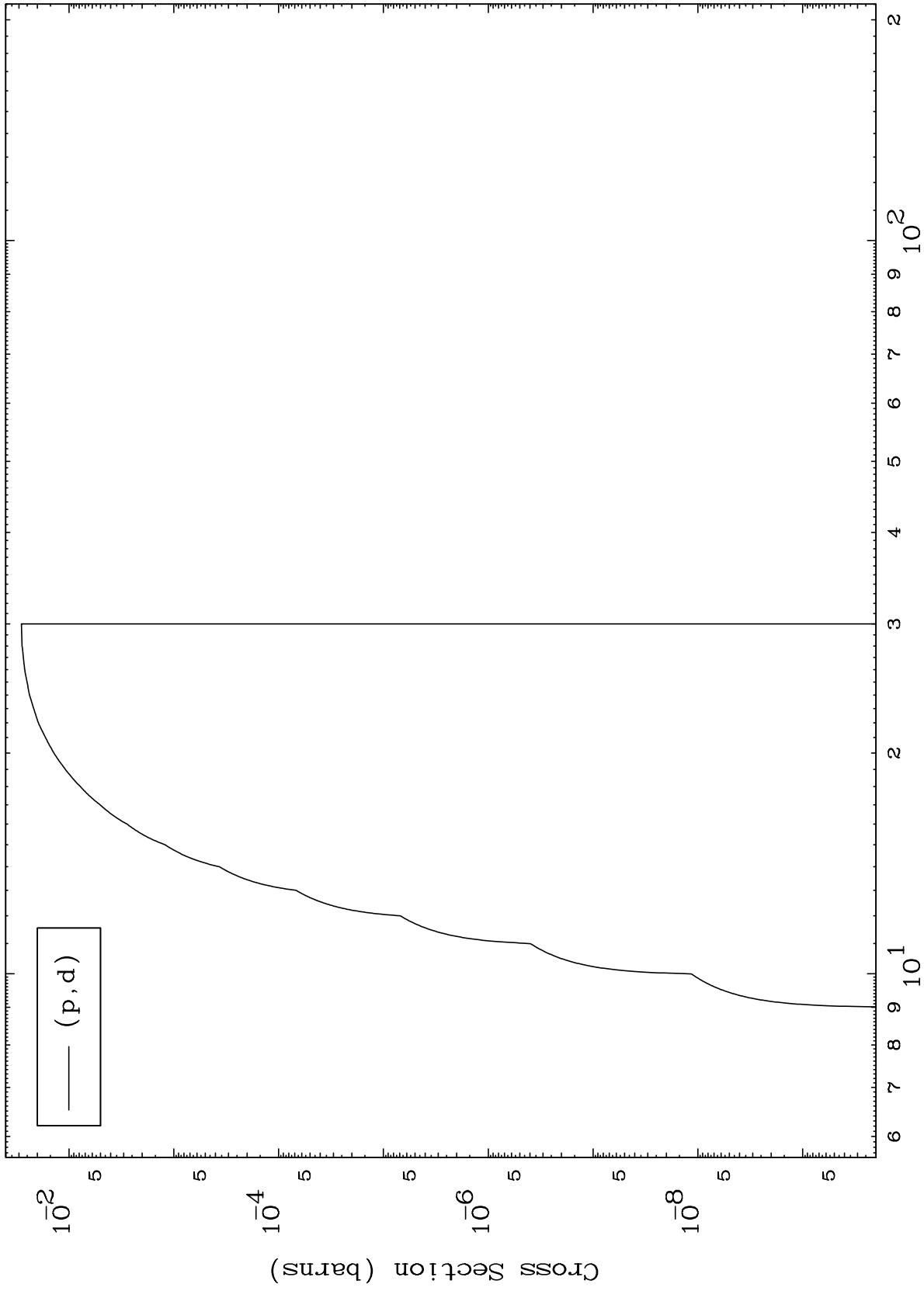
54-Xe-136



MAT 5461

(p,d) Levels  
0 Kelvin Cross Sections

54-Xe-136



8

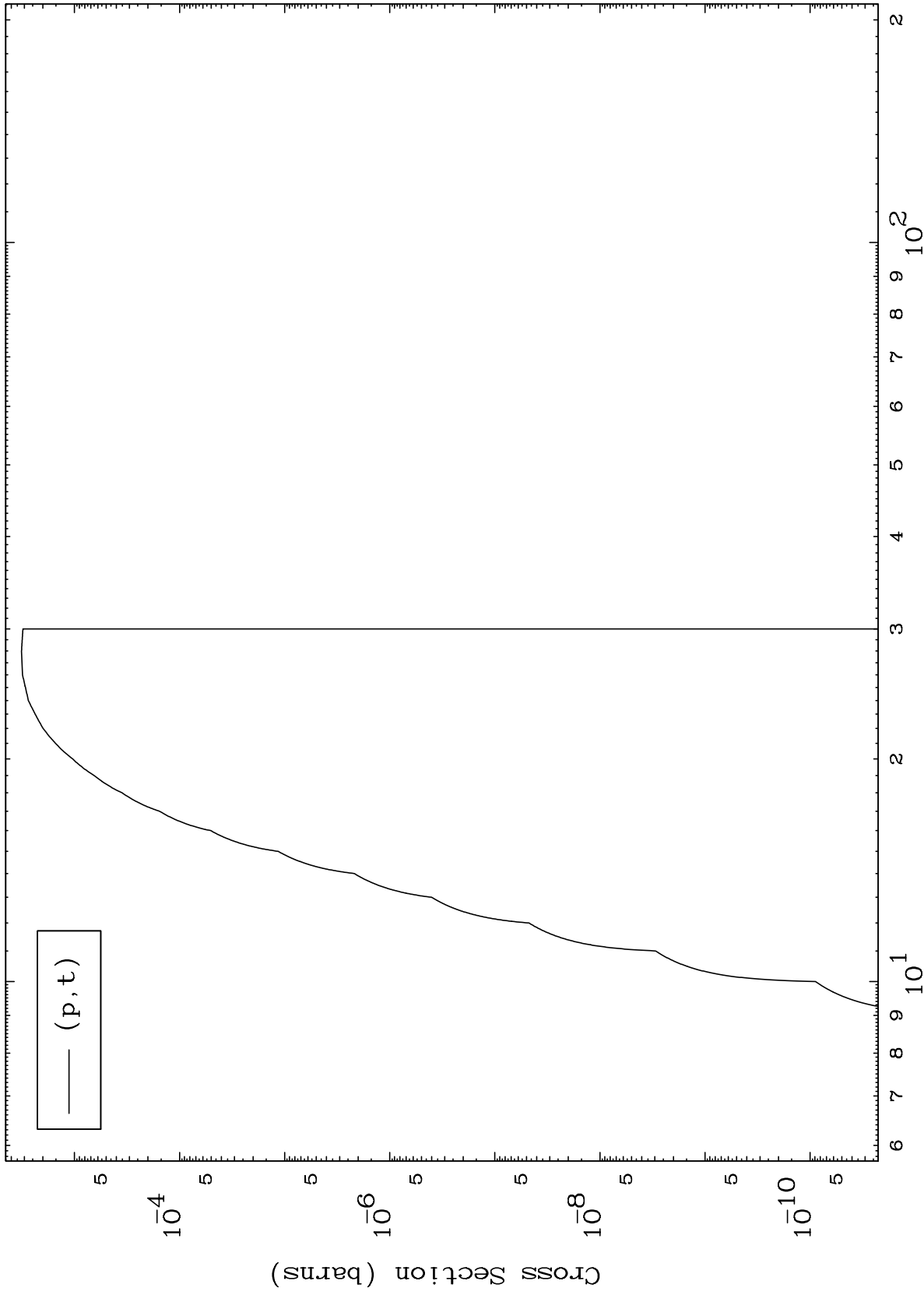
Incident Energy (MeV)

54-Xe-136

MAT 5461

(p,t) Levels  
0 Kelvin Cross Sections

54-Xe-136



9

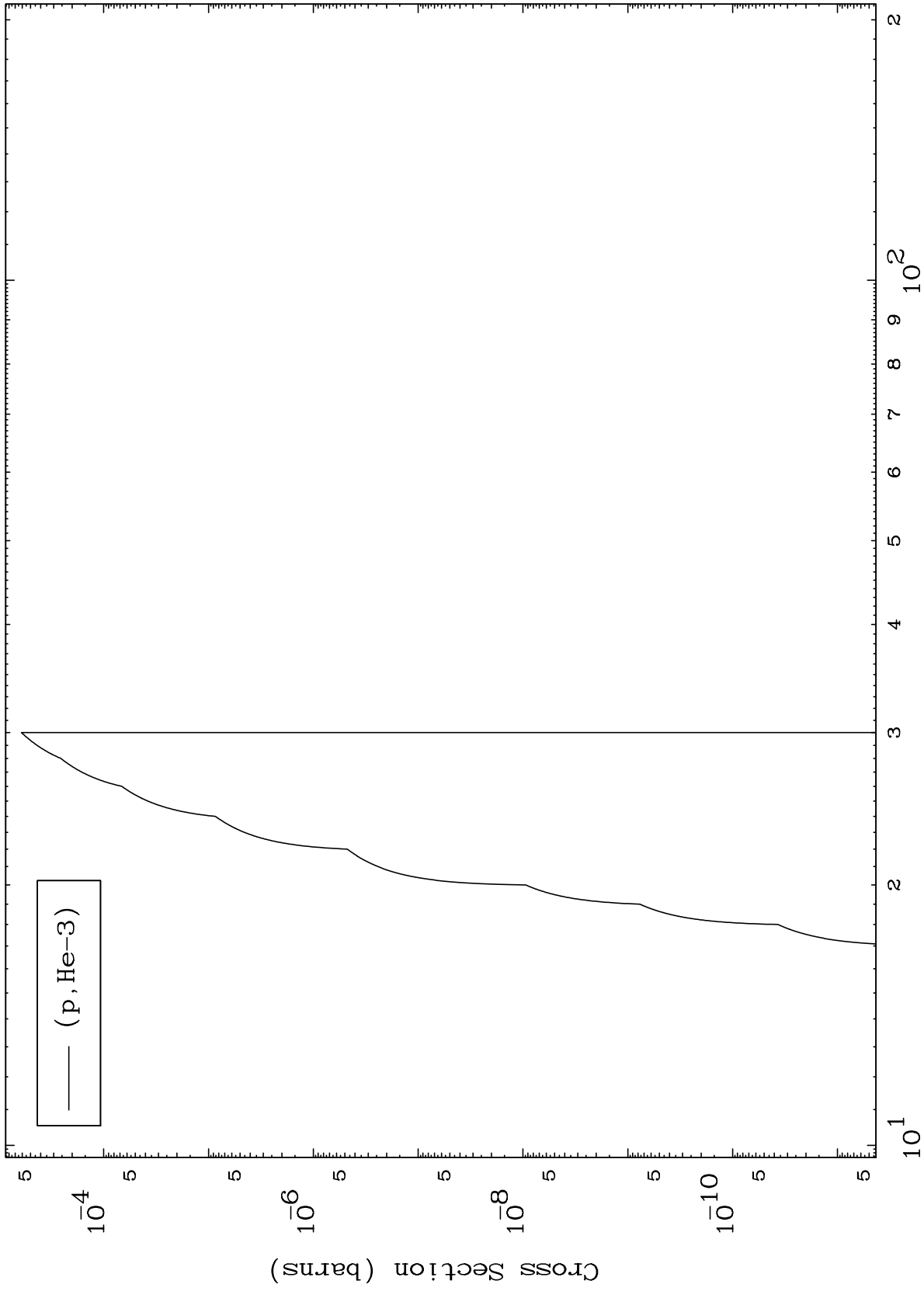
Incident Energy (MeV)

54-Xe-136

MAT 5461

(p,He3) Levels  
0 Kelvin Cross Sections

54-Xe-136



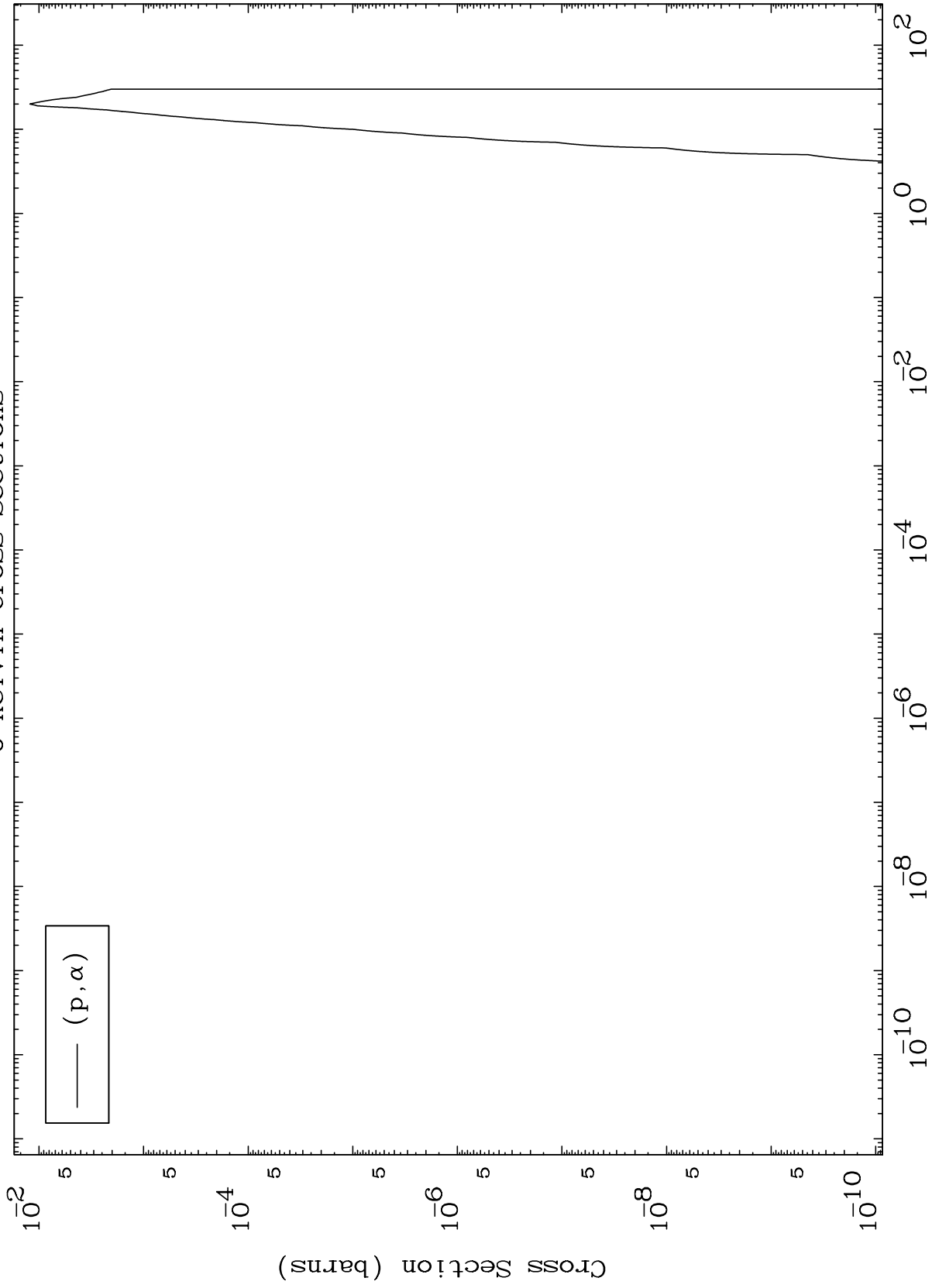
Incident Energy (MeV)

54-Xe-136

MAT 5461

(p,  $\alpha$ ) Levels  
0 Kelvin Cross Sections

54-Xe-136



11

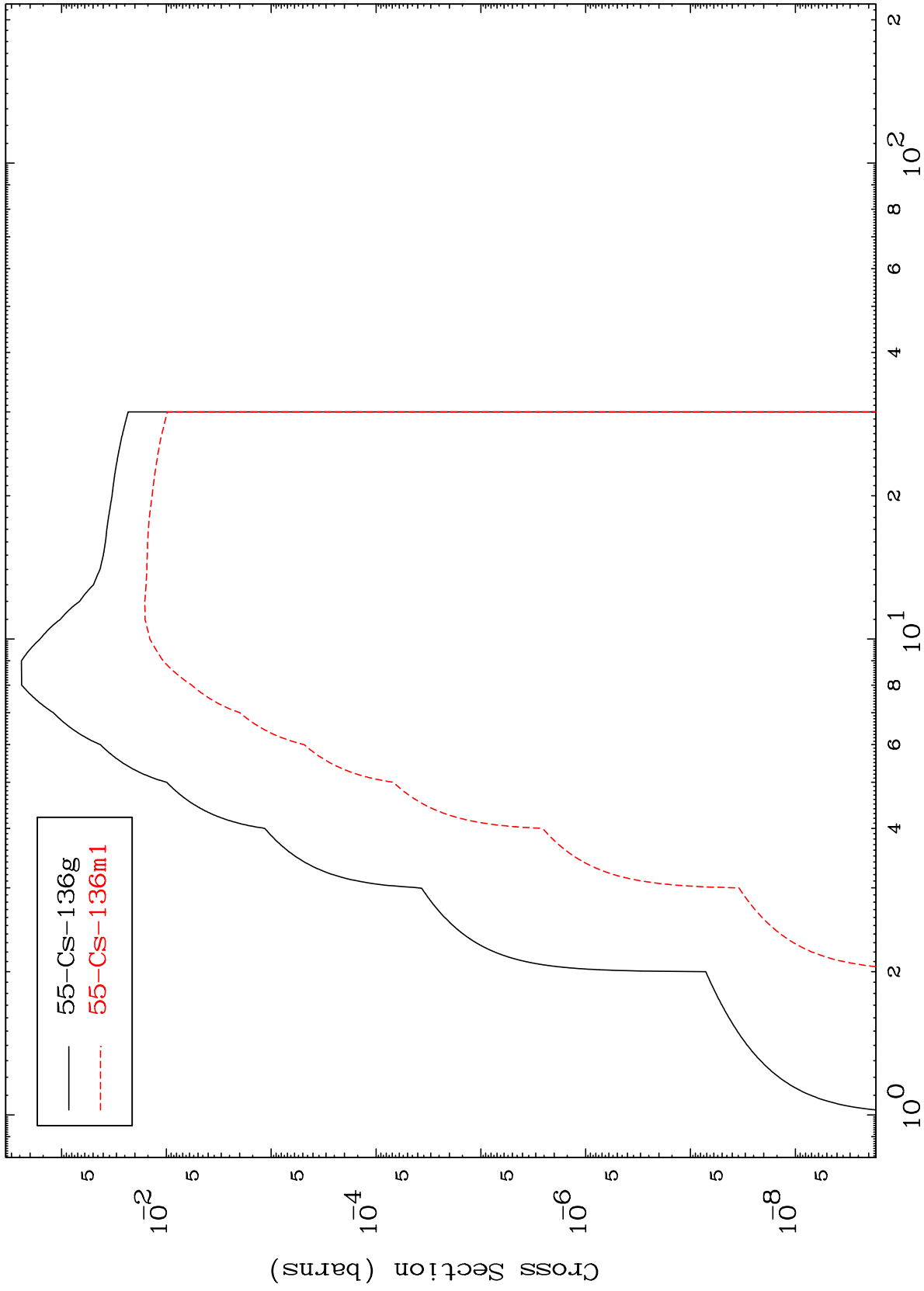
Incident Energy (MeV)

54-Xe-136

MAT 5461

### Proton Inelastic Radionuclide Production Cross Section

54-Xe-136



12

Incident Energy (MeV)

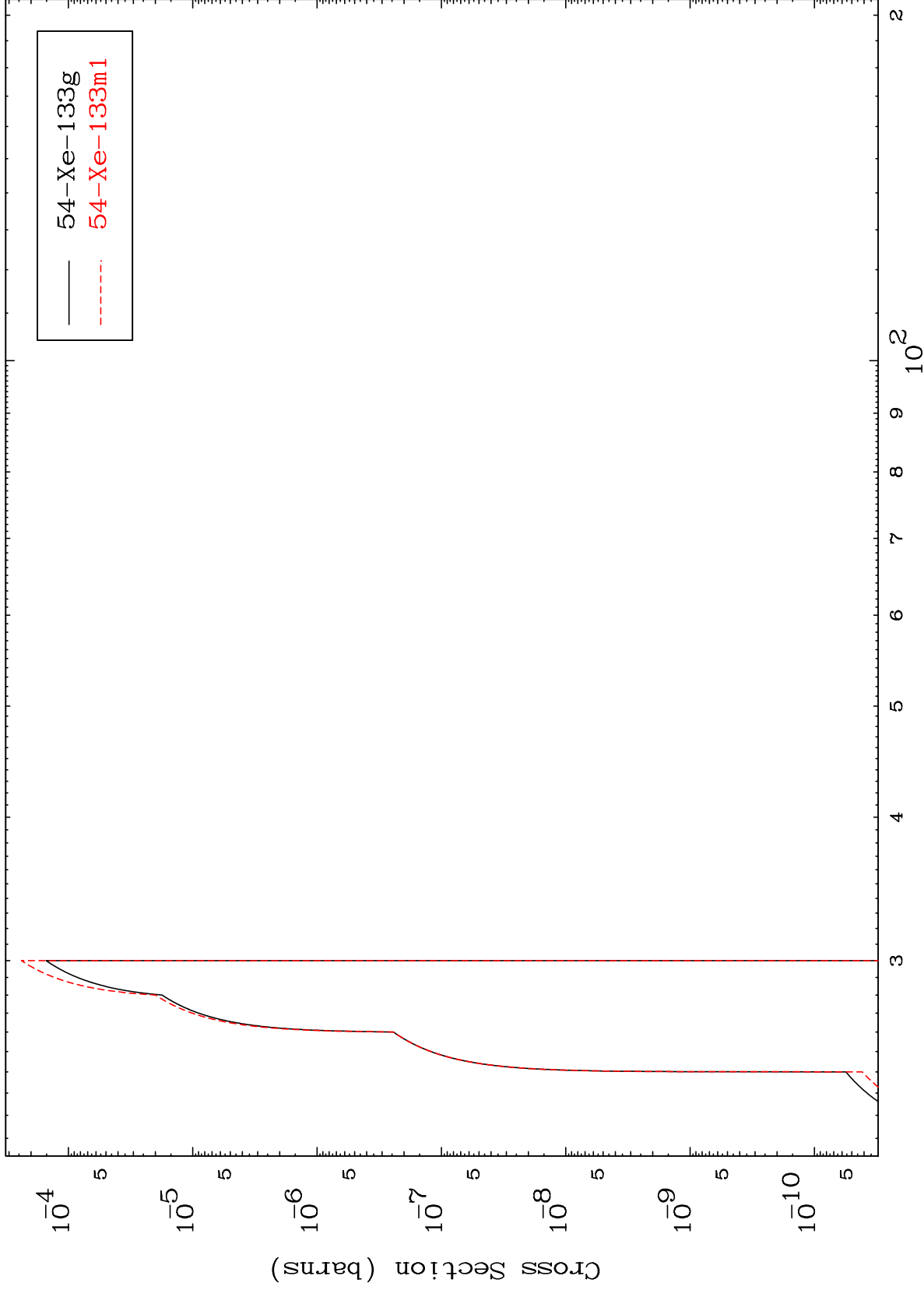
54-Xe-136

MAT 5461

(p,2n) d

54-Xe-136

Radionuclide Production Cross Section



13

Incident Energy (MeV)

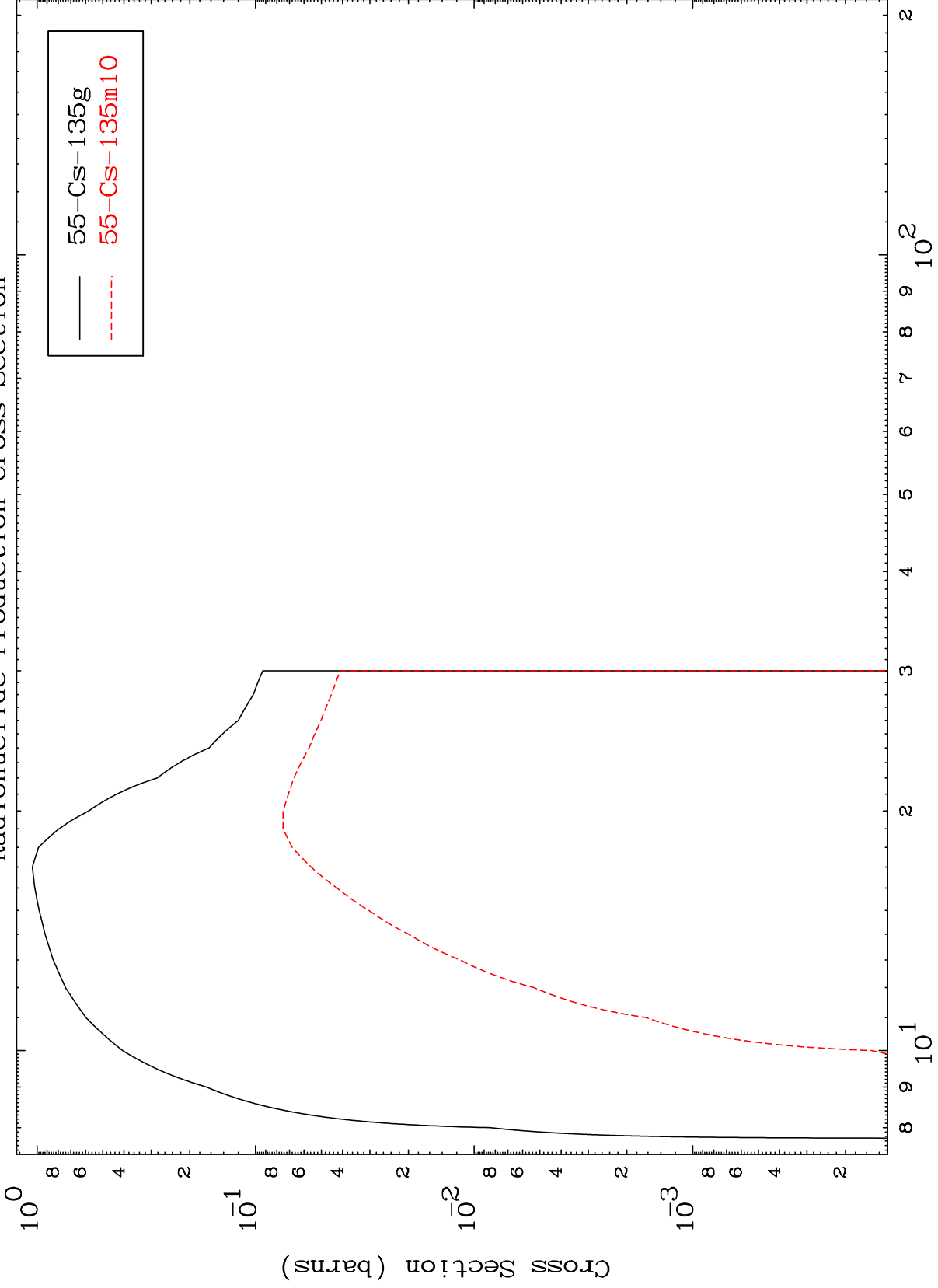
54-Xe-136

MAT 5461

(p,2n)

54-Xe-136

Radionuclide Production Cross Section



14

Incident Energy (MeV)

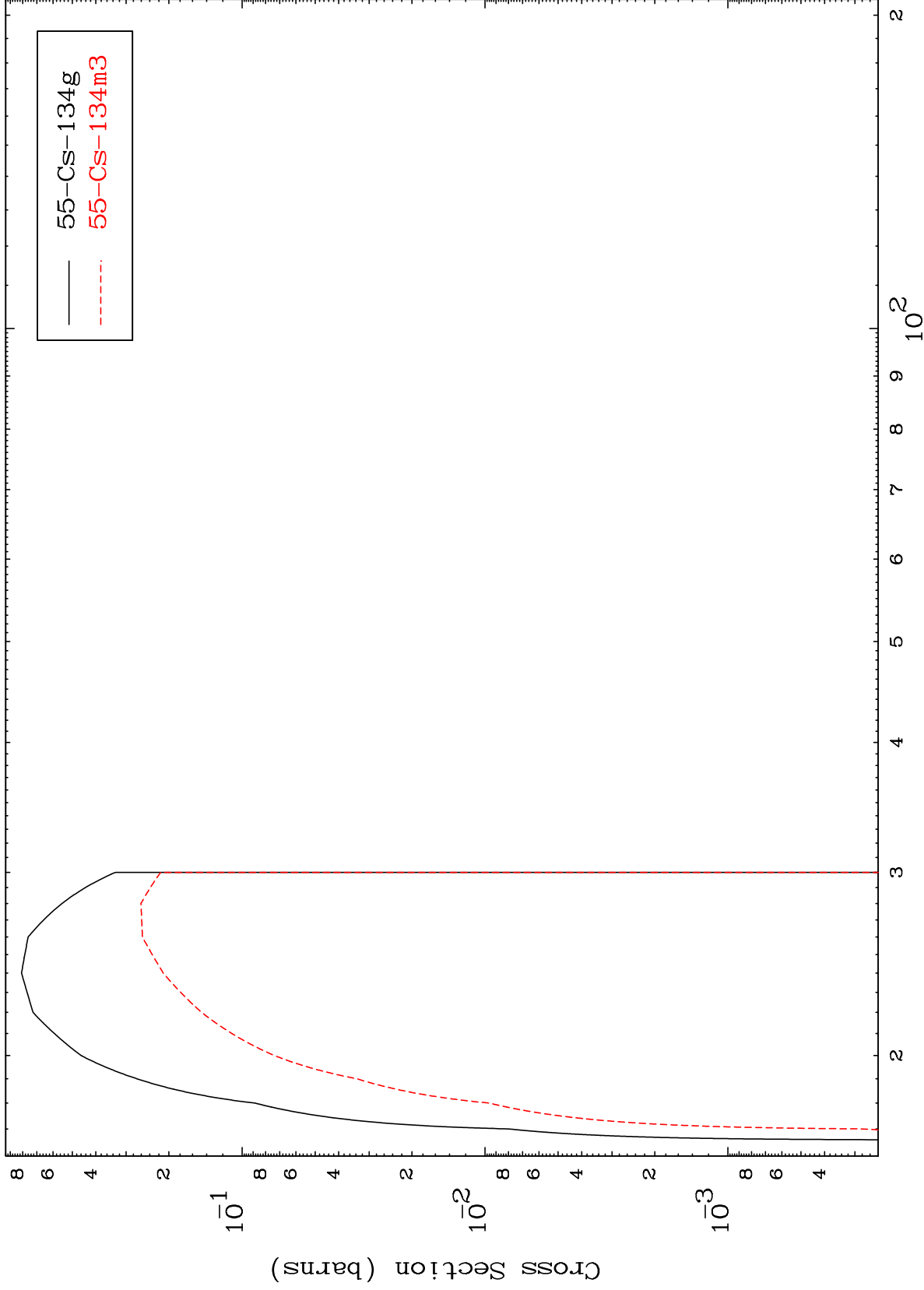
54-Xe-136

MAT 5461

(p,3n)

54-Xe-136

Radionuclide Production Cross Section



15

Incident Energy (MeV)

54-Xe-136

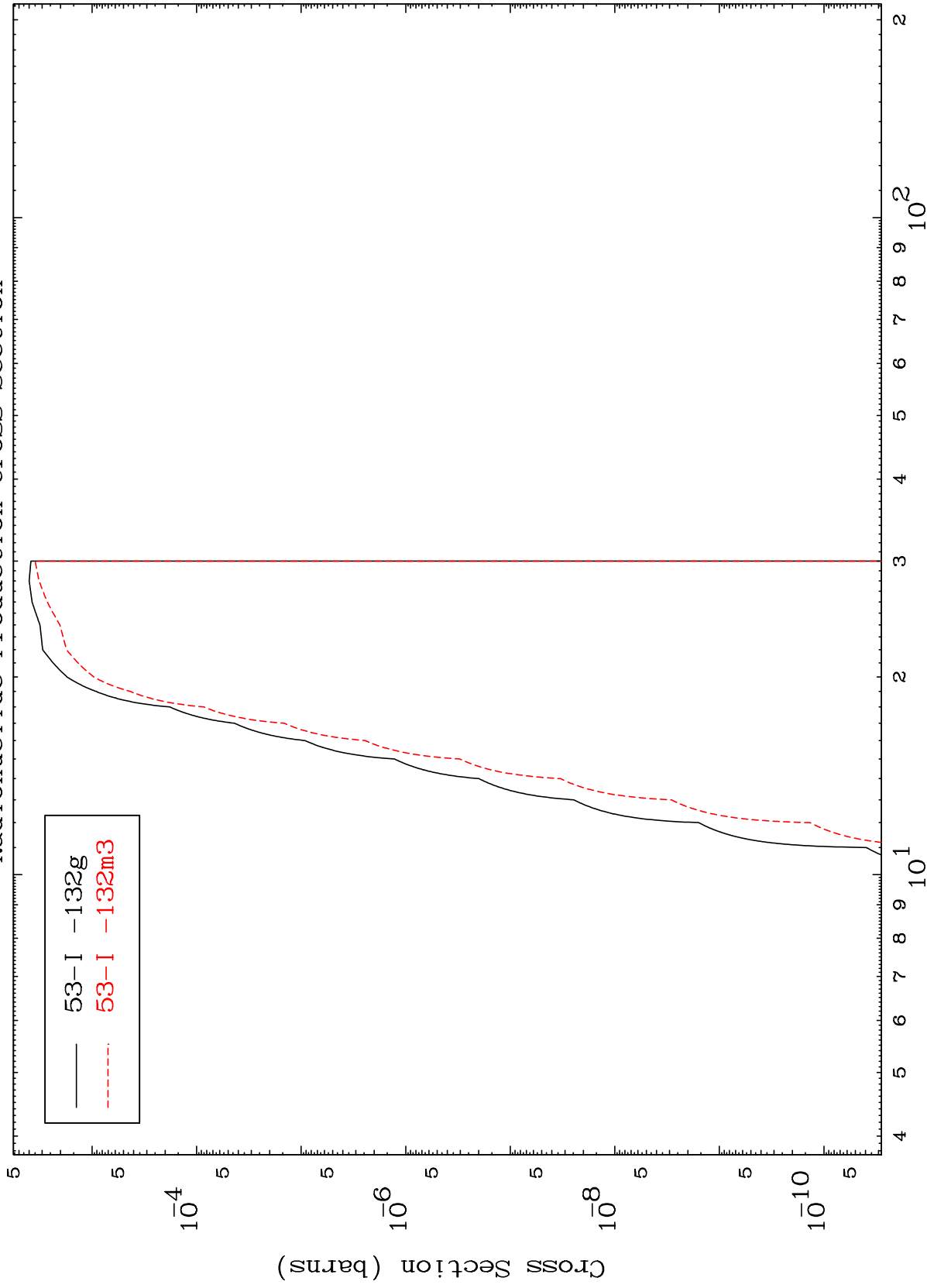


MAT 5461

(p,n')  $\alpha$

54-Xe-136

Radionuclide Production Cross Section



16

Incident Energy (MeV)

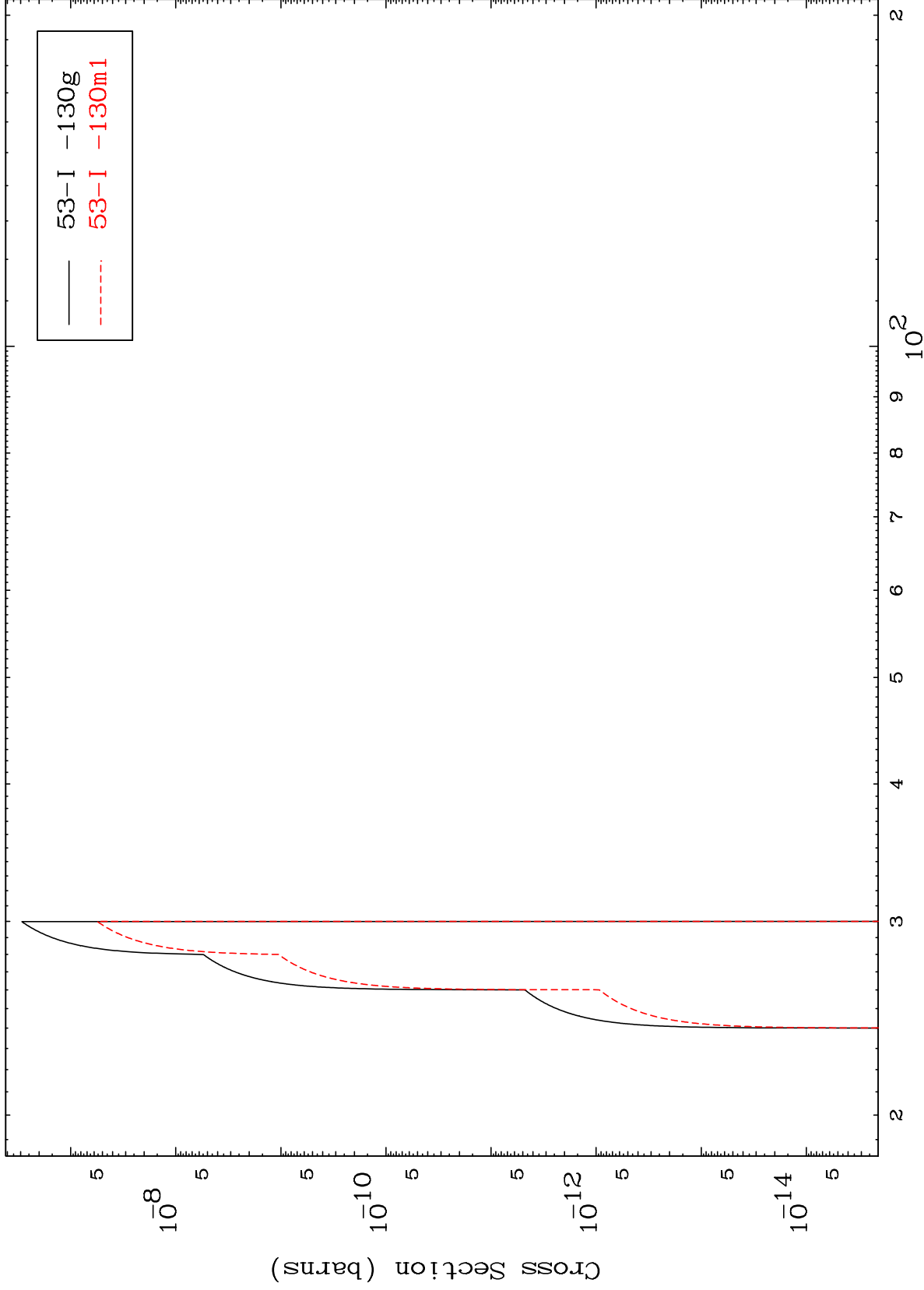
54-Xe-136

MAT 5461

(p,3n)  $\alpha$

54-Xe-136

Radionuclide Production Cross Section



17

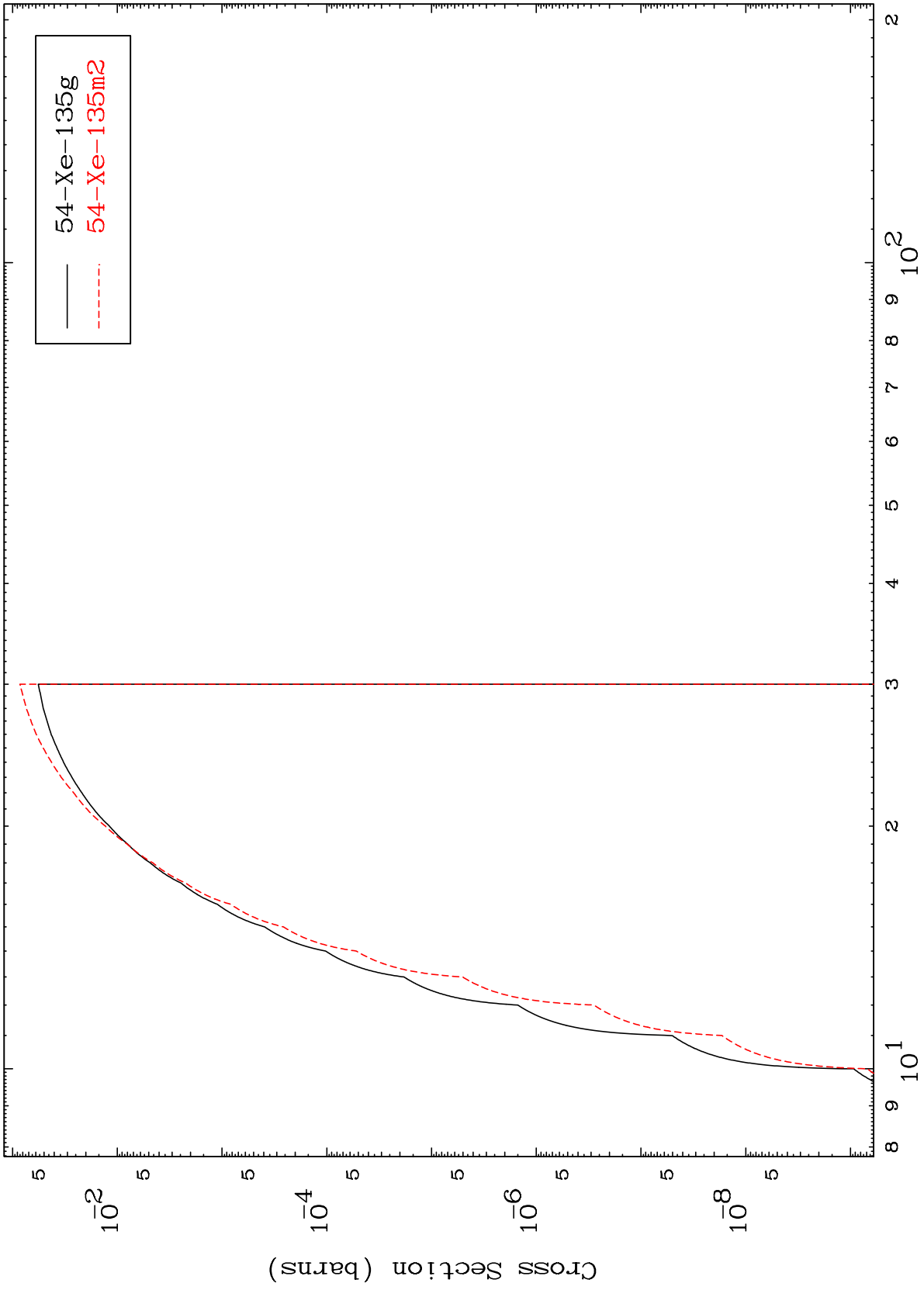
Incident Energy (MeV)

54-Xe-136

MAT 5461

54-Xe-136

(p,n') p  
Radionuclide Production Cross Section



18

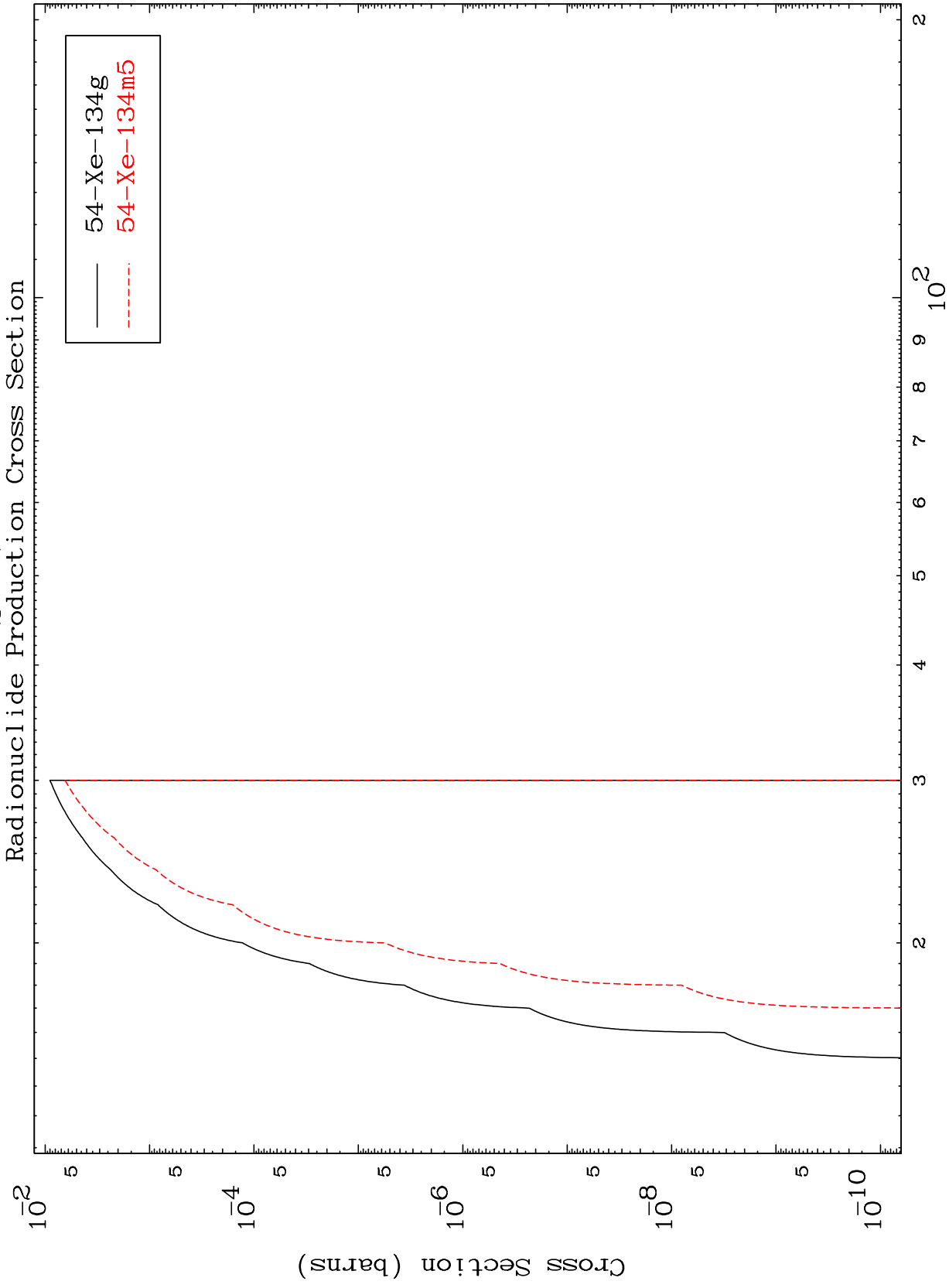
Incident Energy (MeV)

54-Xe-136

MAT 5461

(p,n') d

54-Xe-136



19

Incident Energy (MeV)

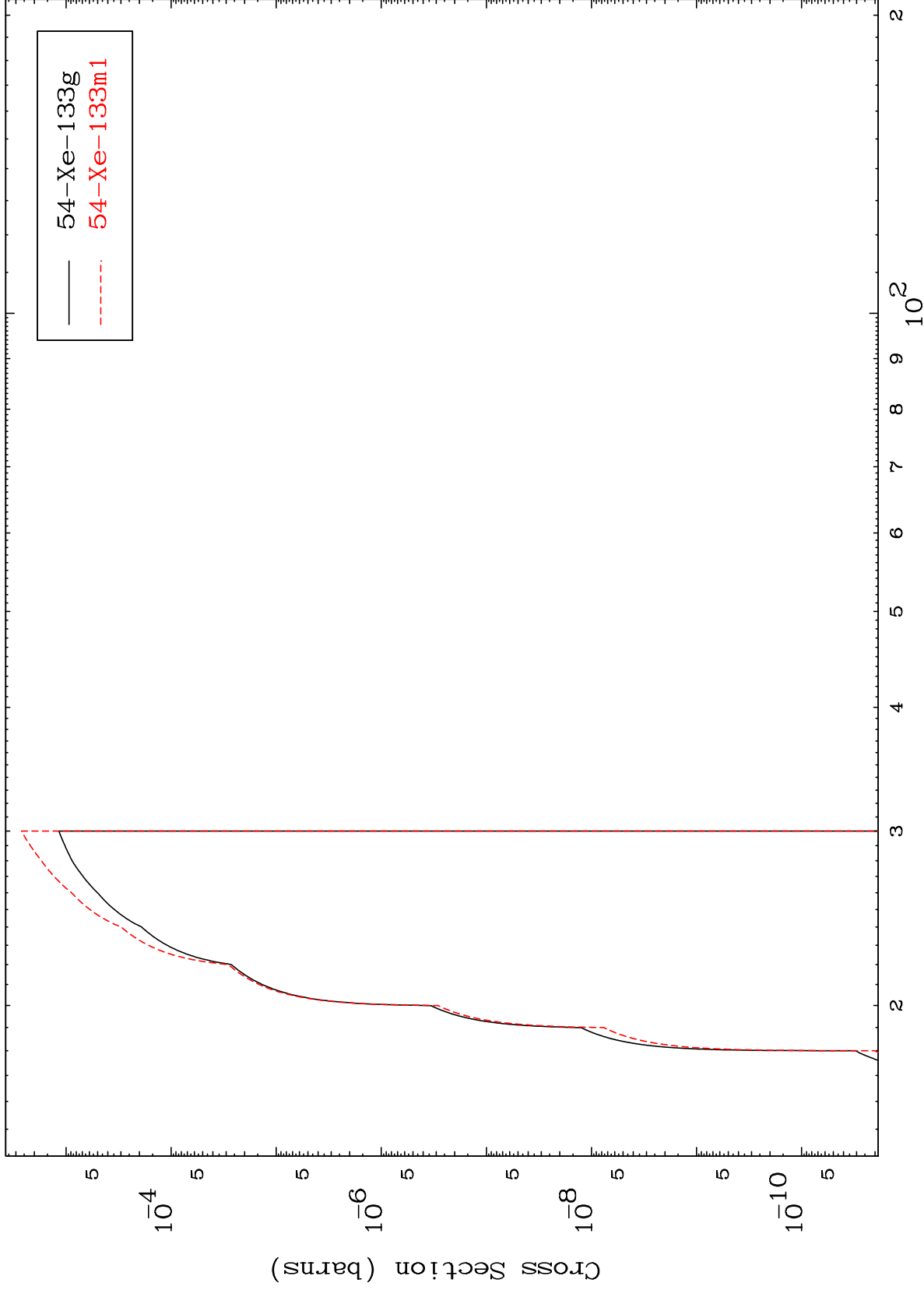
54-Xe-136

MAT 5461

(p,n') t

54-Xe-136

Radionuclide Production Cross Section



20

Incident Energy (MeV)

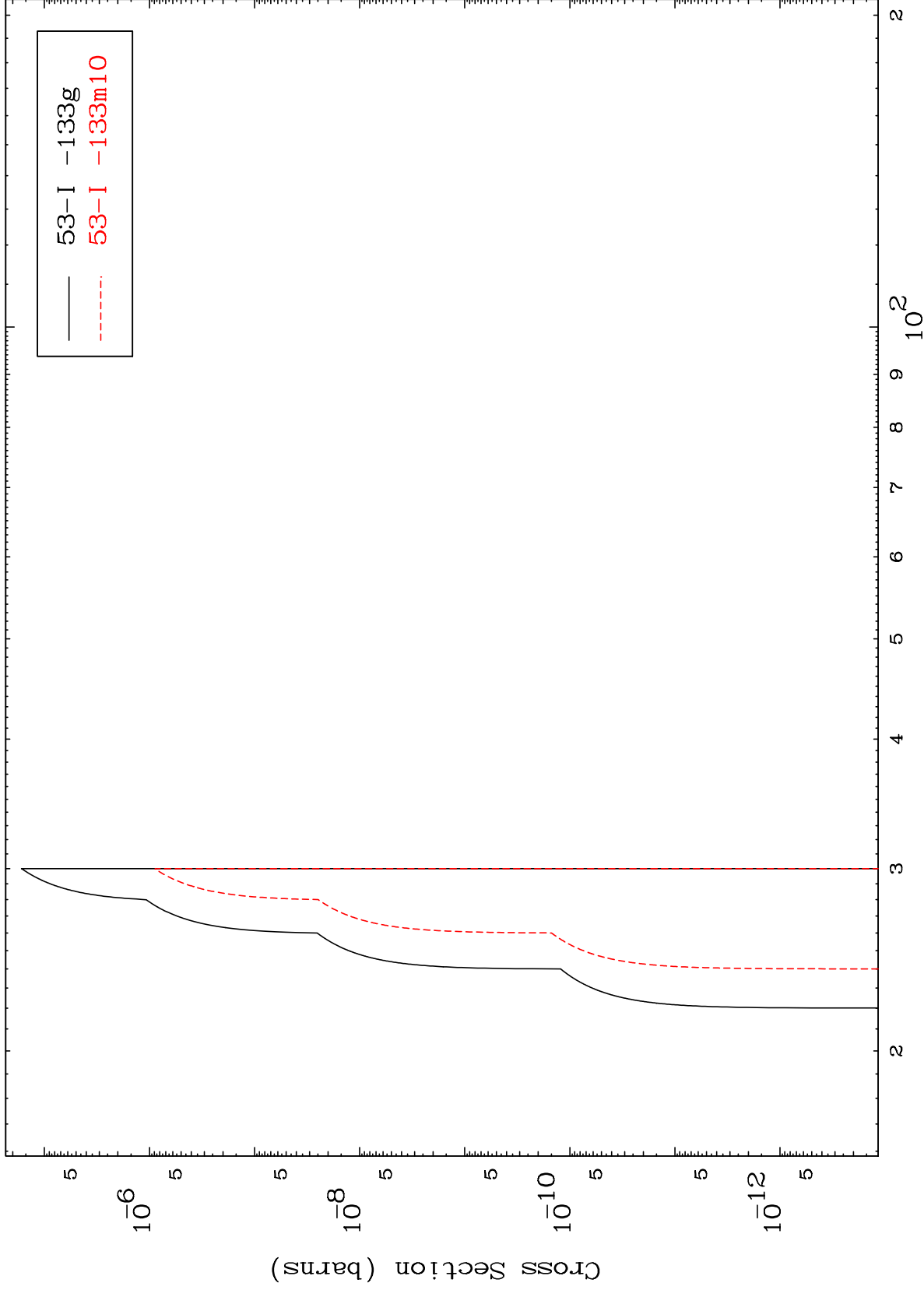
54-Xe-136

MAT 5461

(p,n') He-3

54-Xe-136

Radionuclide Production Cross Section



21

Incident Energy (MeV)

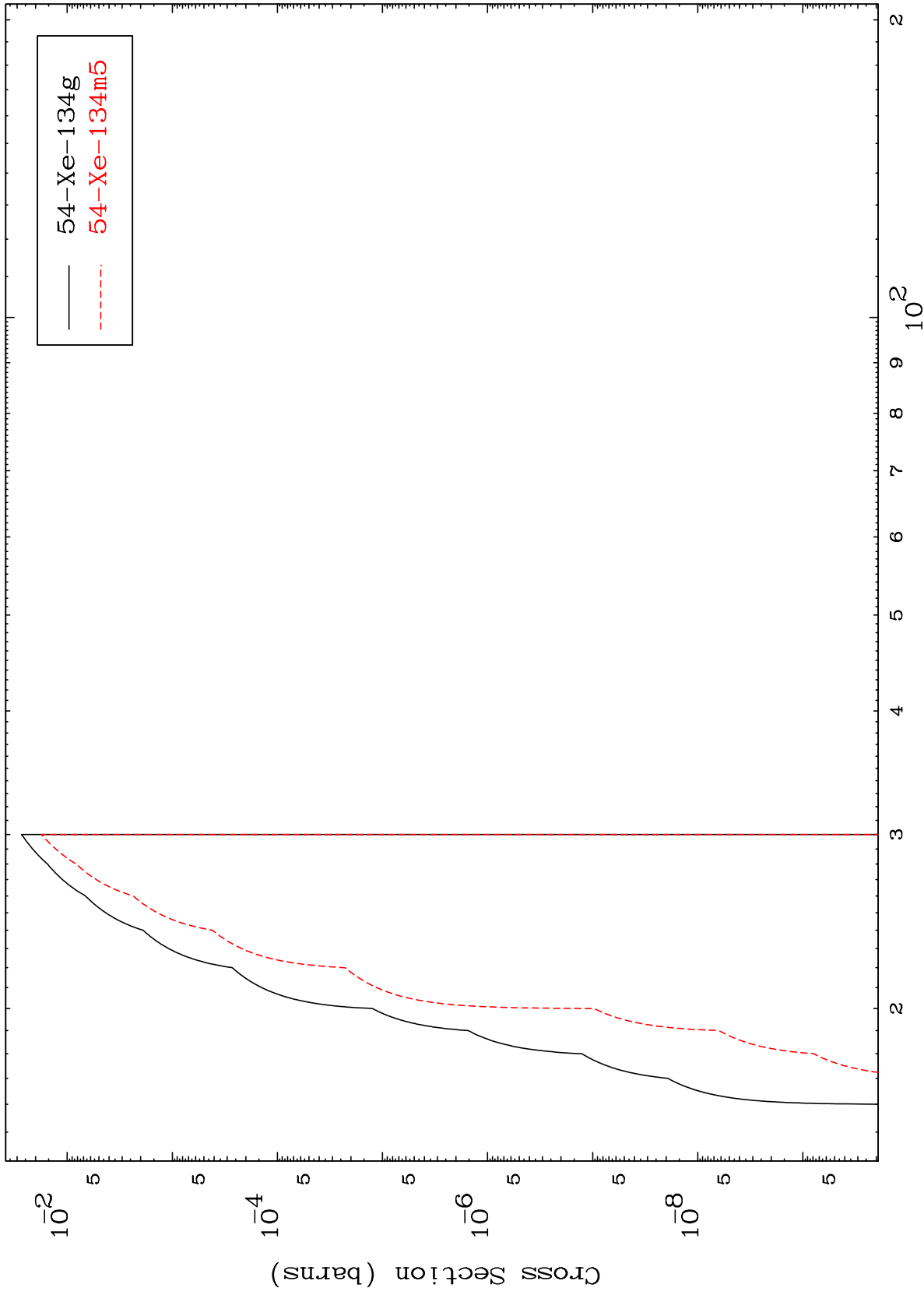
54-Xe-136

MAT 5461

(p,2n) p

54-Xe-136

Radionuclide Production Cross Section



22

Incident Energy (MeV)

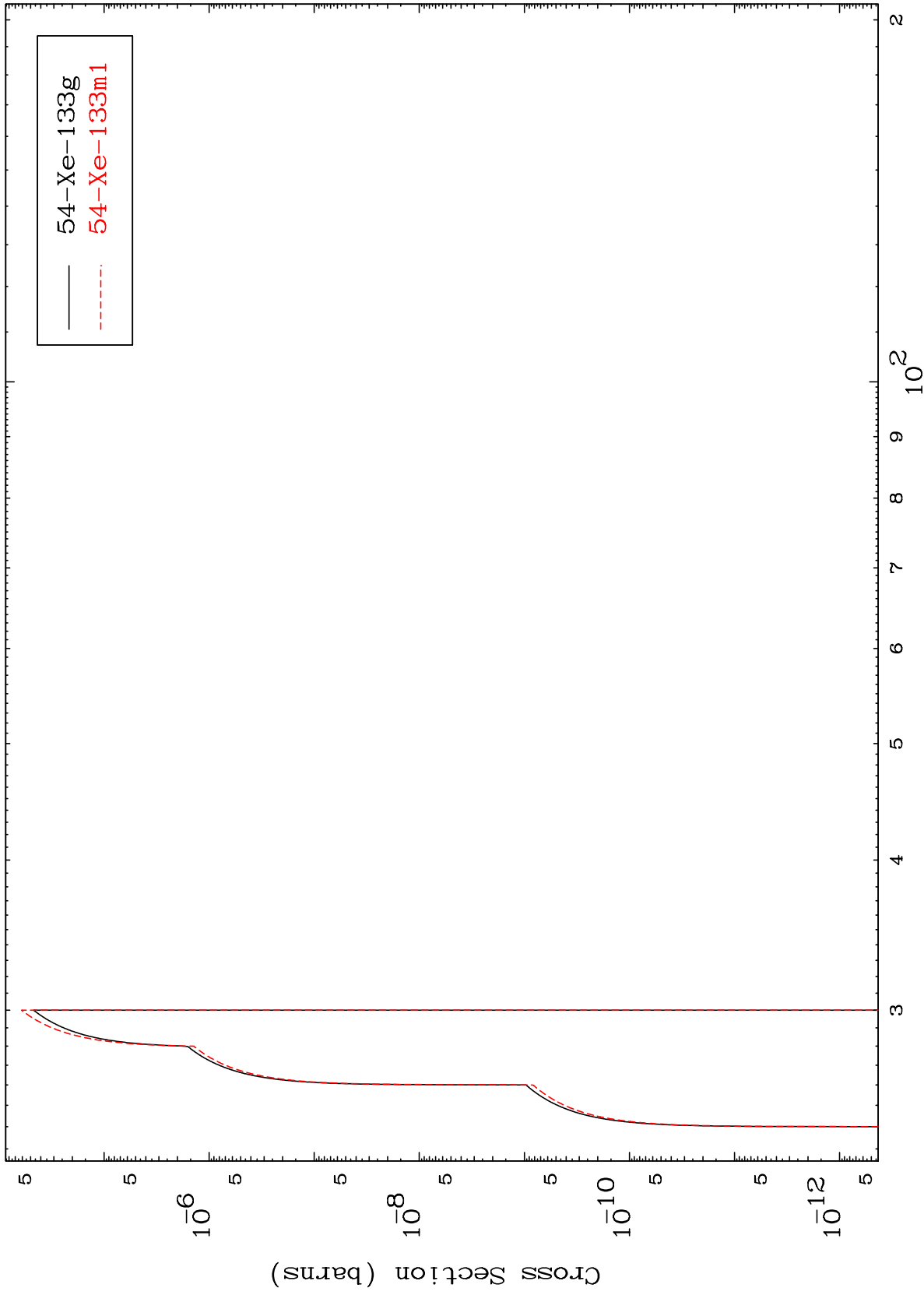
54-Xe-136

MAT 5461

(p,3n) p

<sup>54</sup>Xe-136

Radionuclide Production Cross Section



23

Incident Energy (MeV)

<sup>54</sup>Xe-136

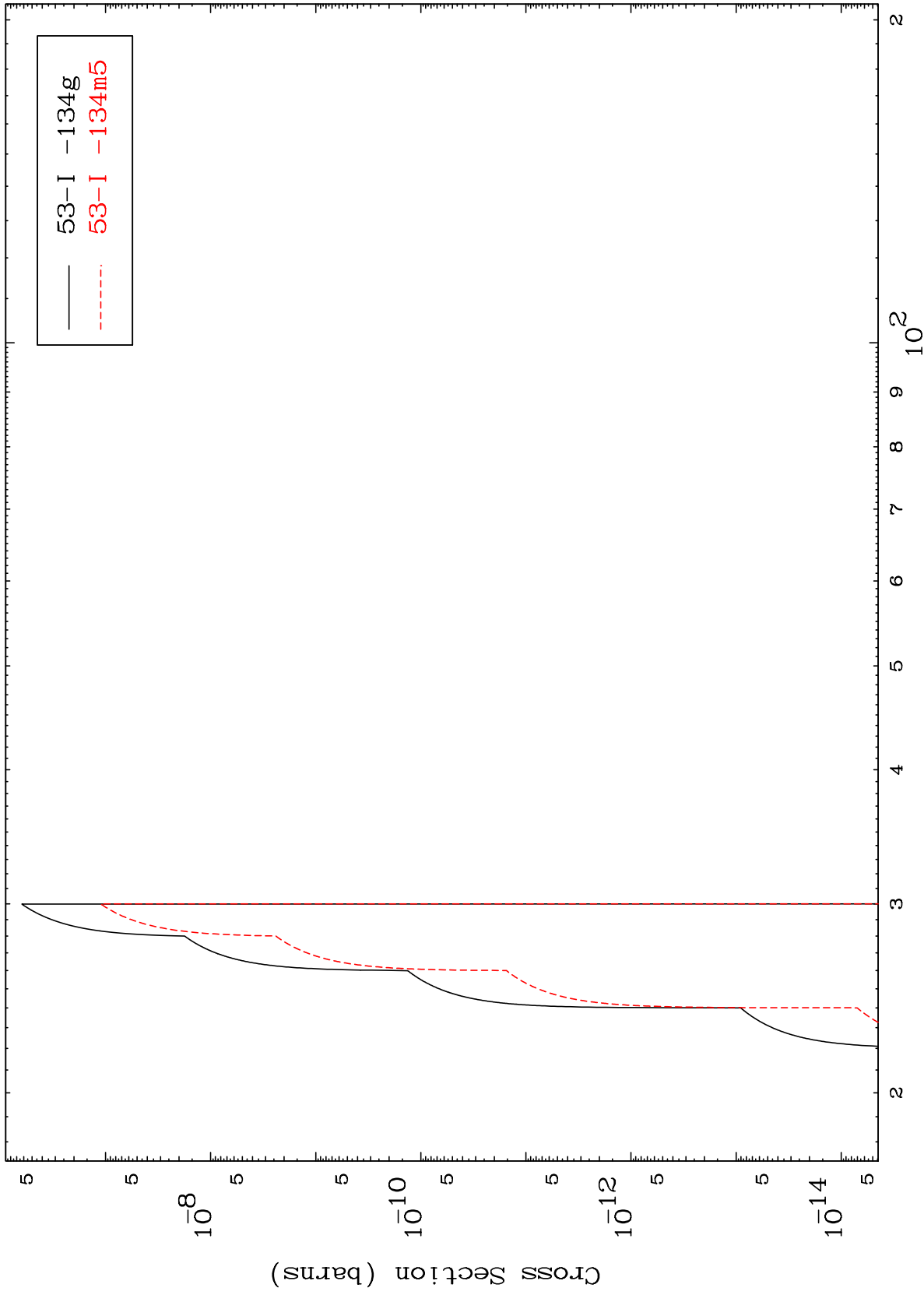


MAT 5461

(p,2n) p

54-Xe-136

Radionuclide Production Cross Section



24

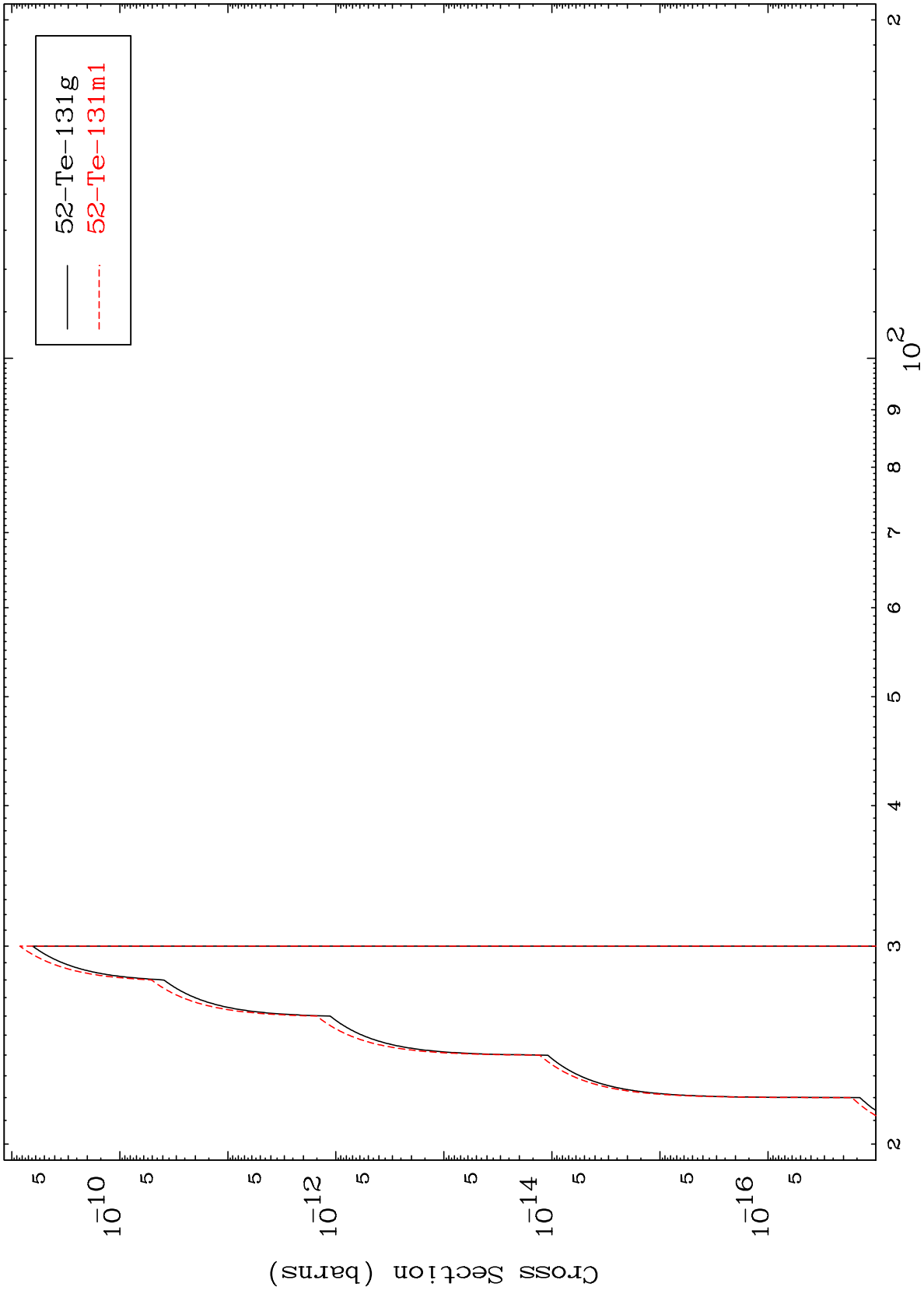
Incident Energy (MeV)

54-Xe-136

MAT 5461

54-Xe-136

(p,n') p  $\alpha$   
Radionuclide Production Cross Section



25

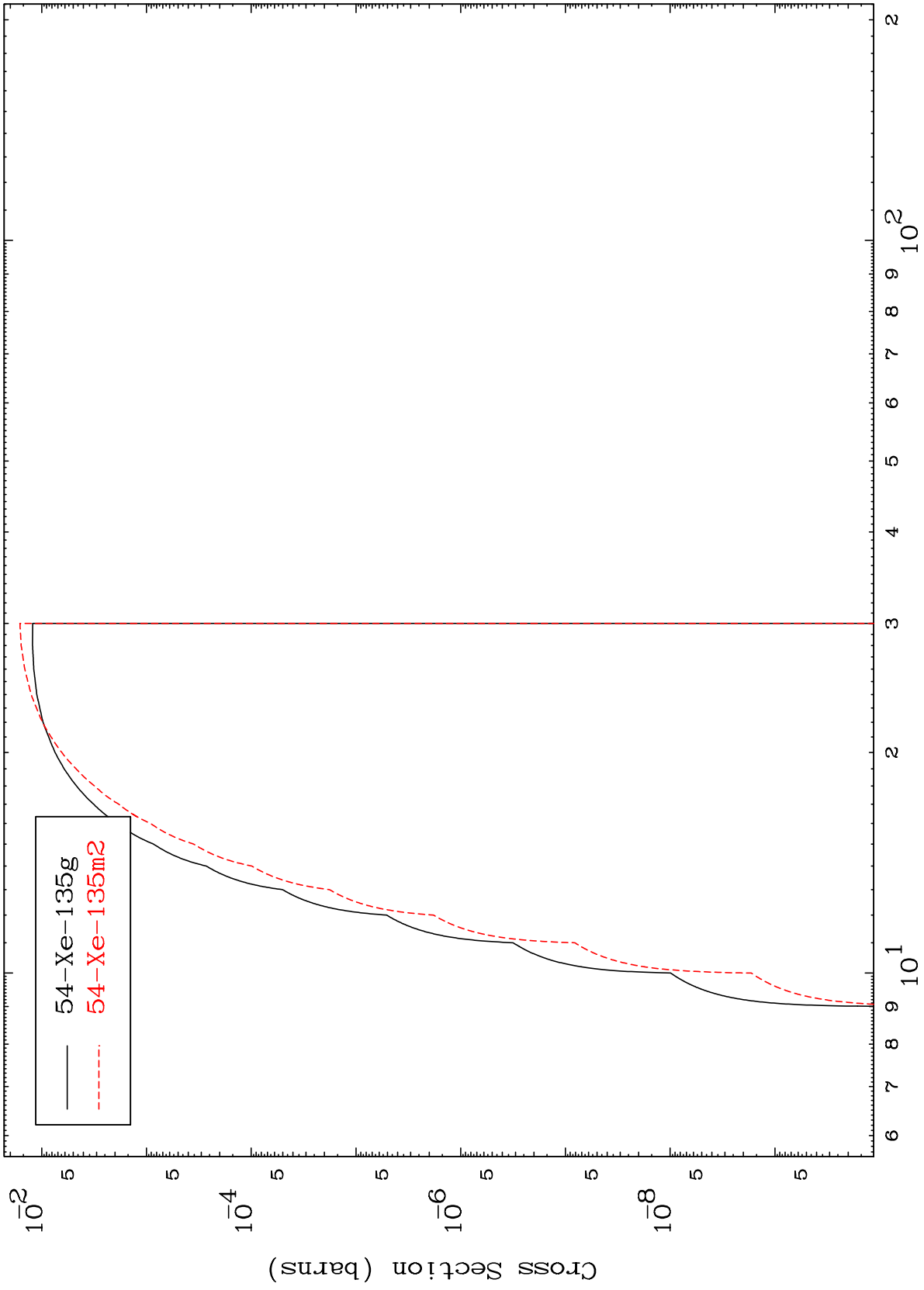
Incident Energy (MeV)

54-Xe-136

MAT 5461

54-Xe-136

(p,d)  
Radionuclide Production Cross Section



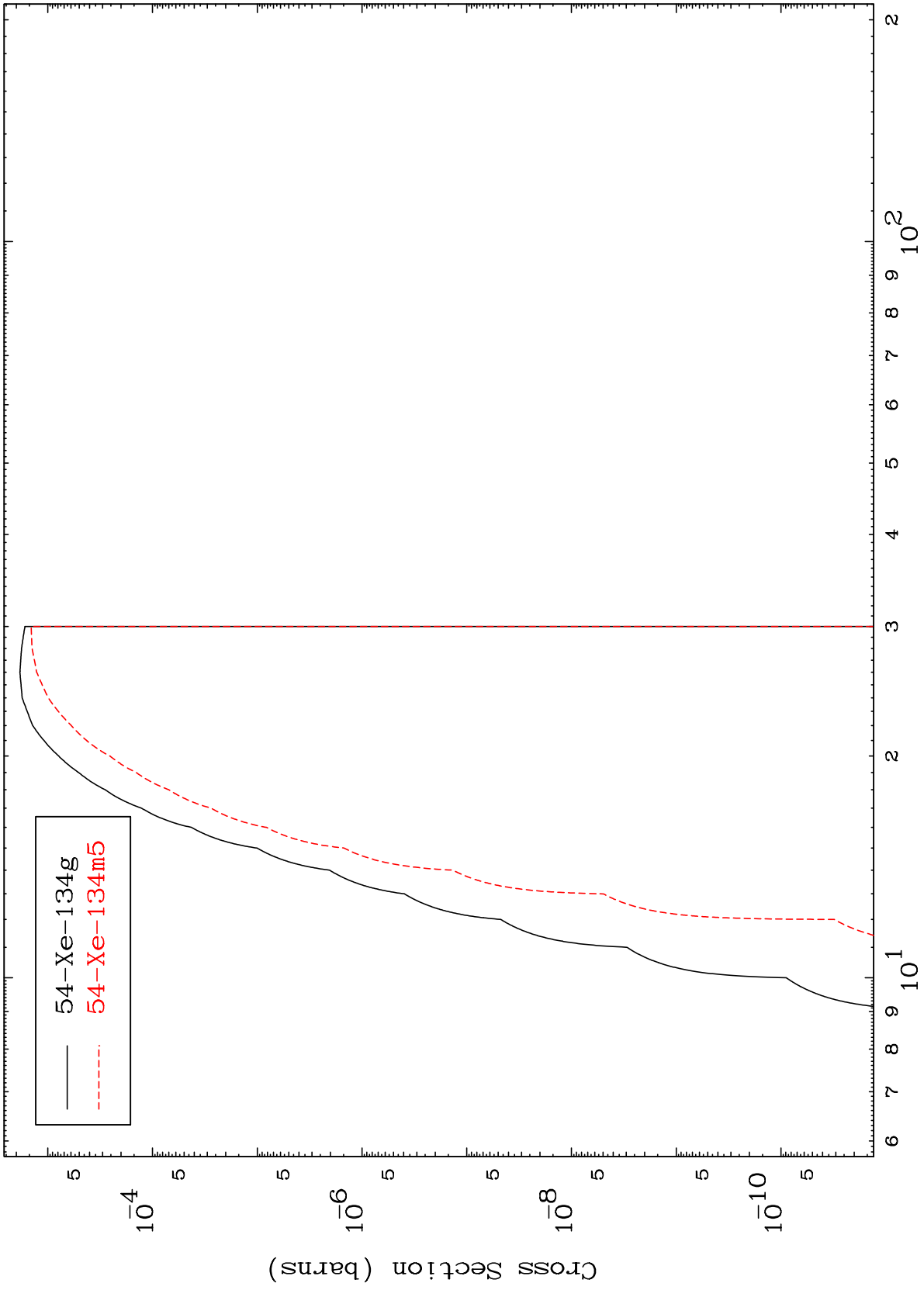
26

54-Xe-136

MAT 5461

54-Xe-136

(p, t)  
Radionuclide Production Cross Section



27

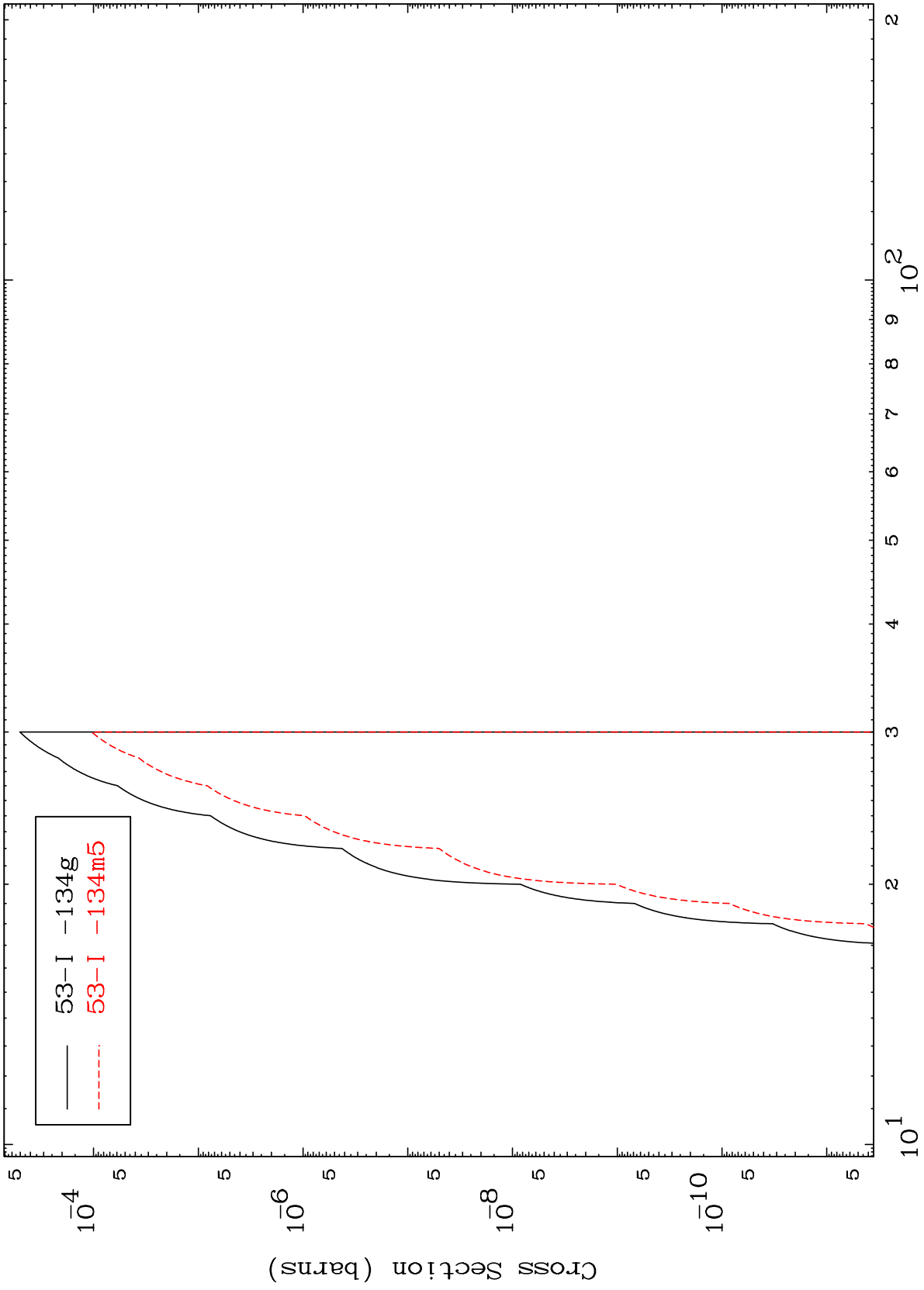
54-Xe-136

MAT 5461

(p,He-3)

54-Xe-136

Radionuclide Production Cross Section



53-I-134g  
53-I-134m5

28

Incident Energy (MeV)

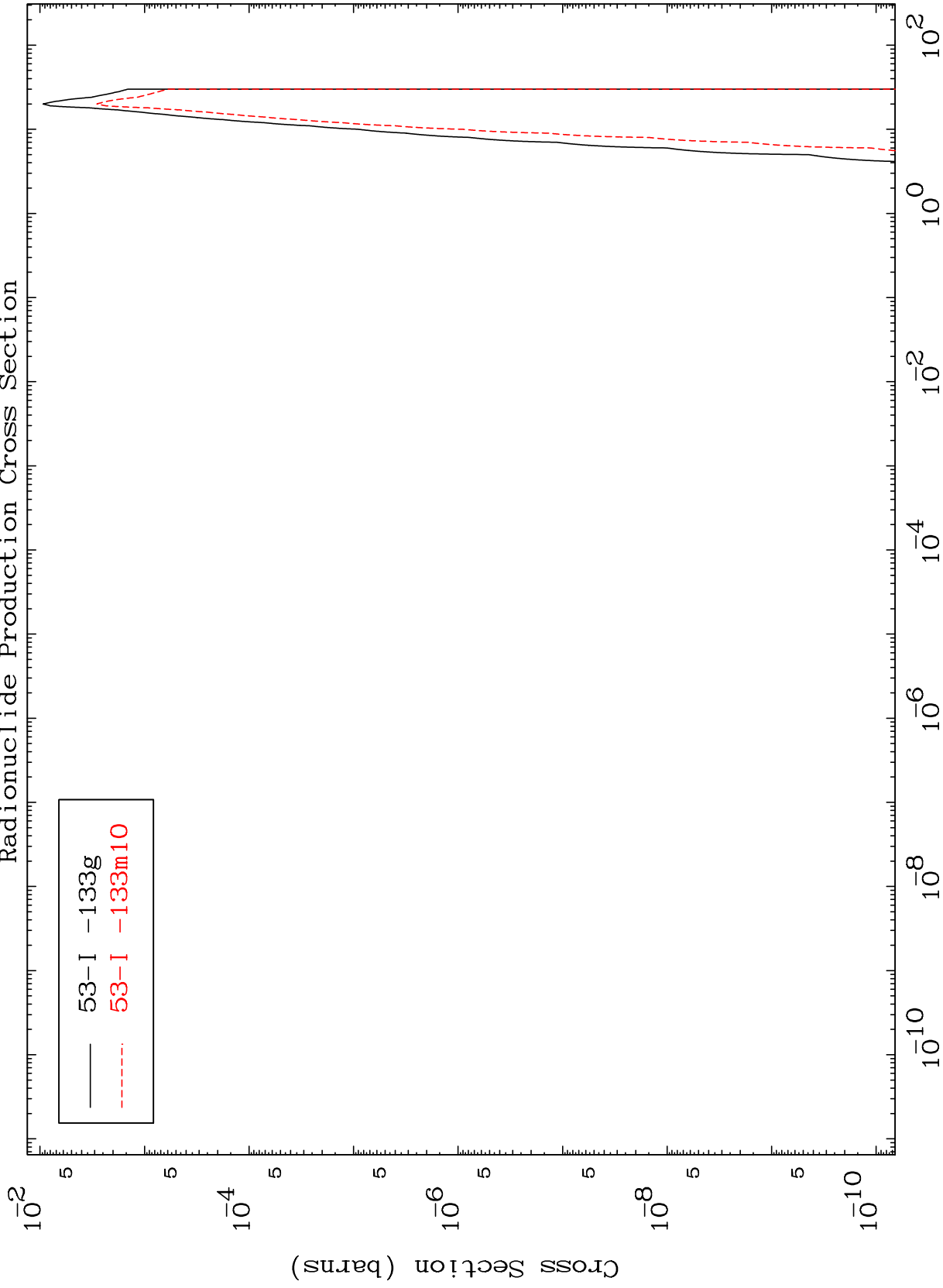
54-Xe-136

MAT 5461

(p,α)

54-Xe-136

Radionuclide Production Cross Section



29

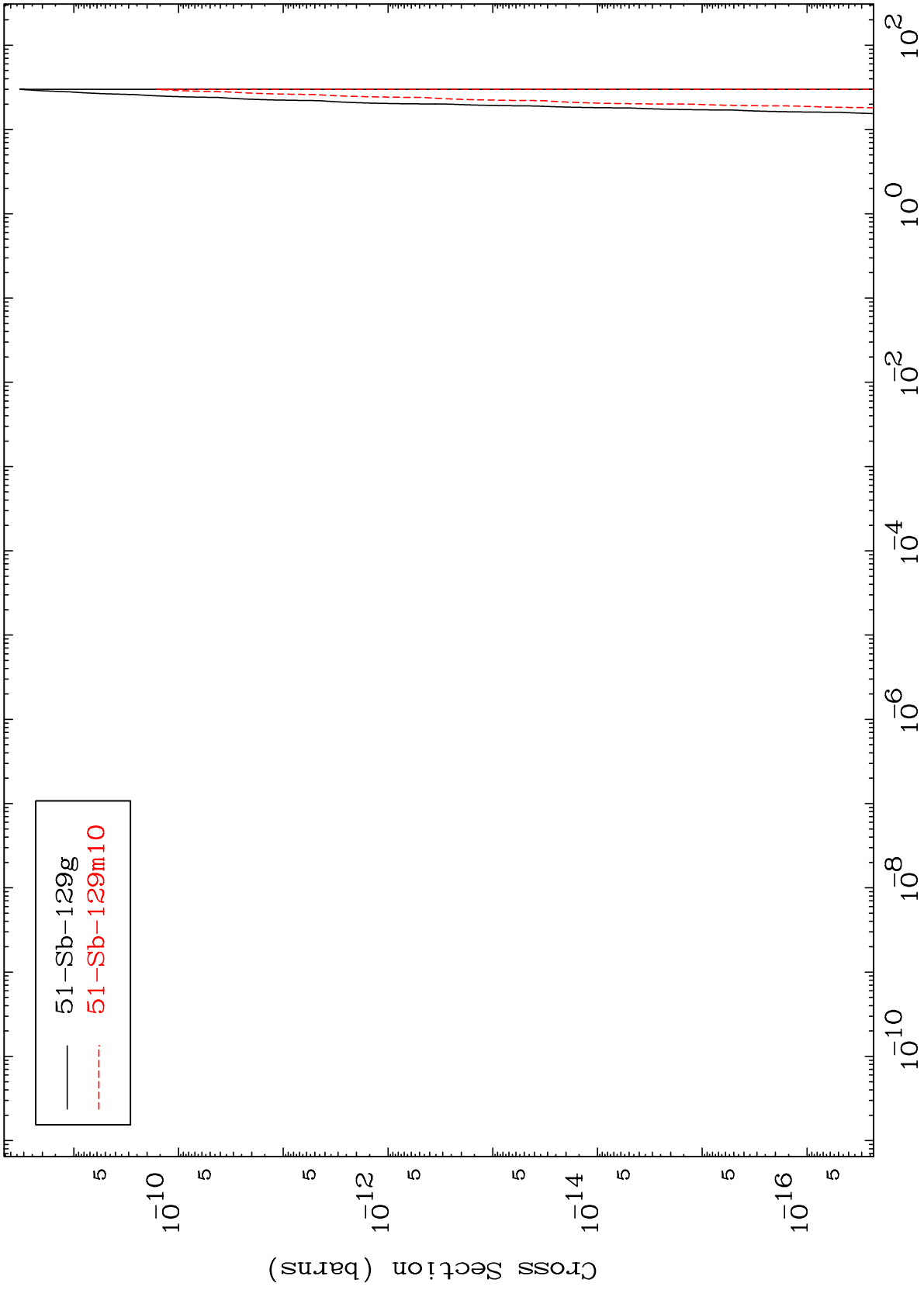
Incident Energy (MeV)

54-Xe-136

MAT 5461

Radionuclide Production Cross Section  
(p,2α)

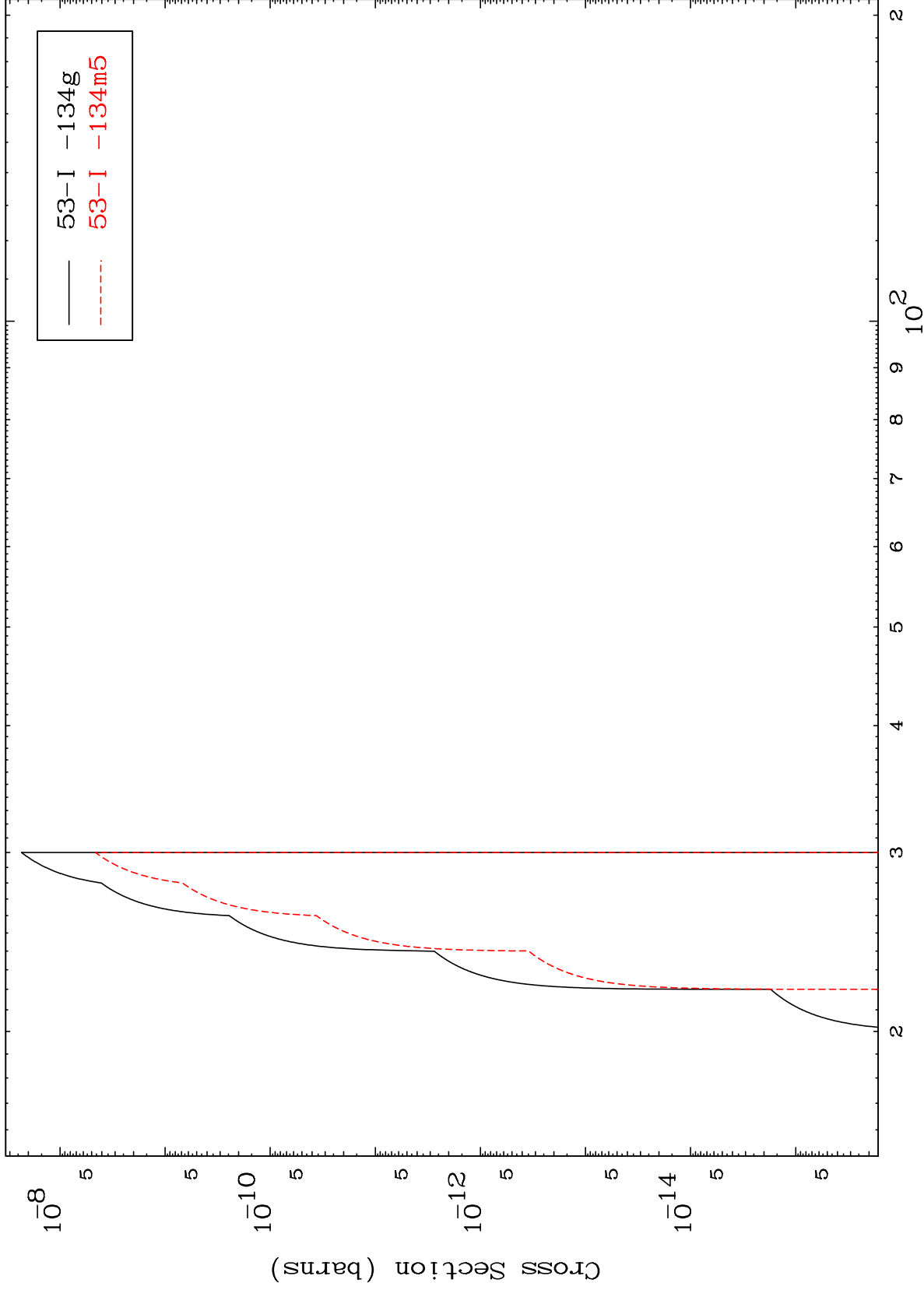
54-Xe-136



30

54-Xe-136

Radionuclide Production Cross Section



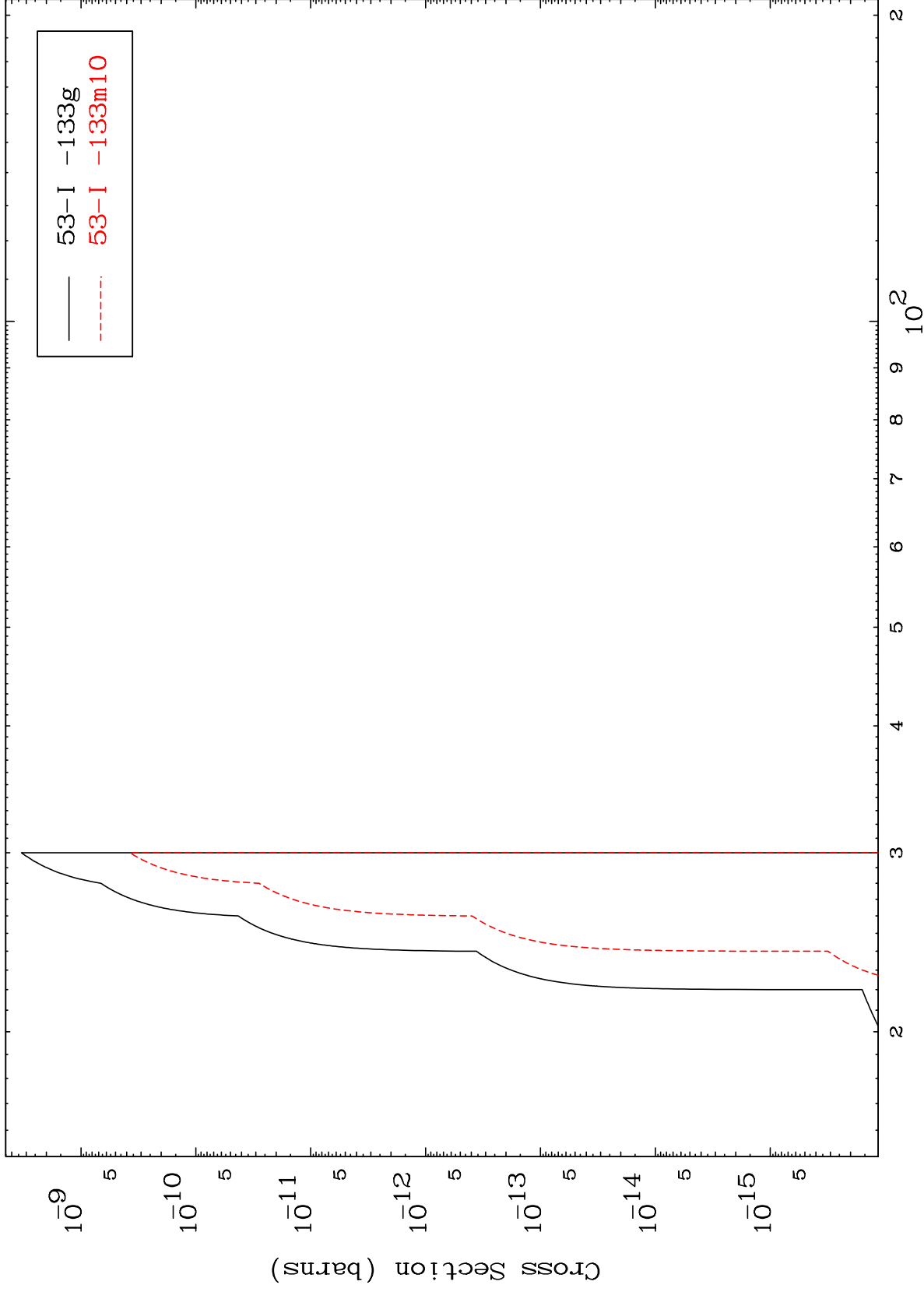


MAT 5461

(p,p) t

54-Xe-136

Radionuclide Production Cross Section



32

Incident Energy (MeV)

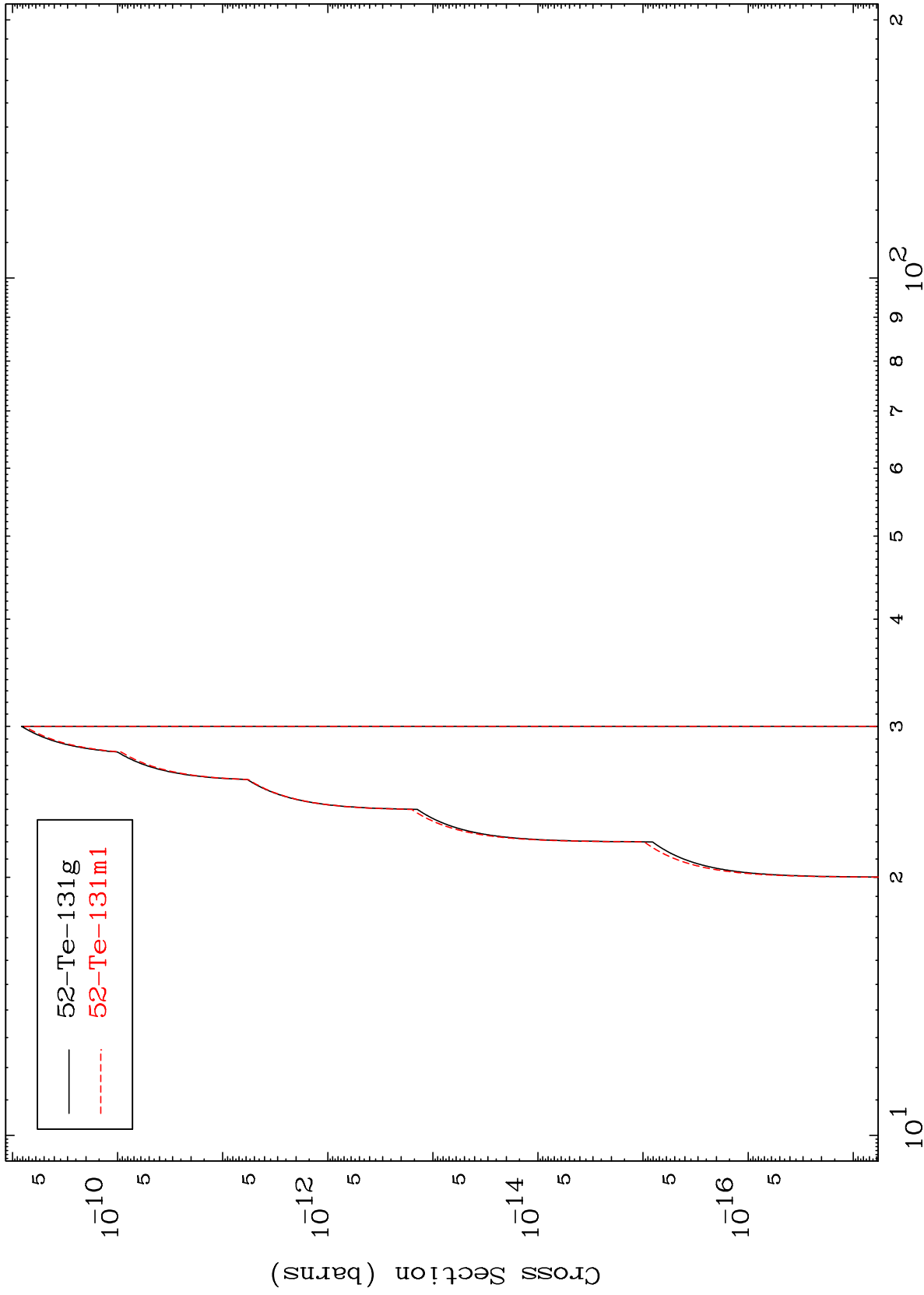
54-Xe-136

MAT 5461

(p,d)  $\alpha$

54-Xe-136

Radionuclide Production Cross Section



33

Incident Energy (MeV)

54-Xe-136