

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

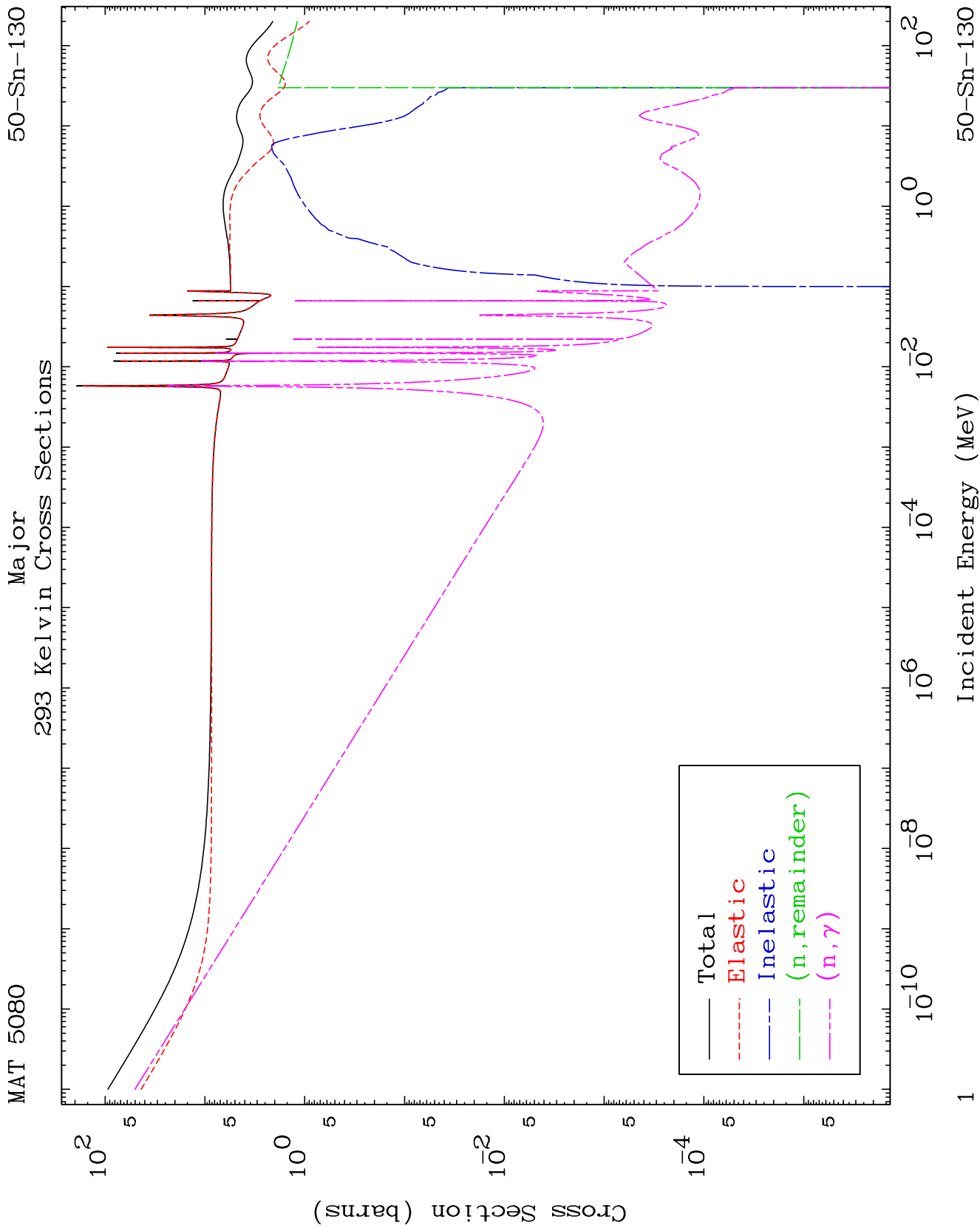
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

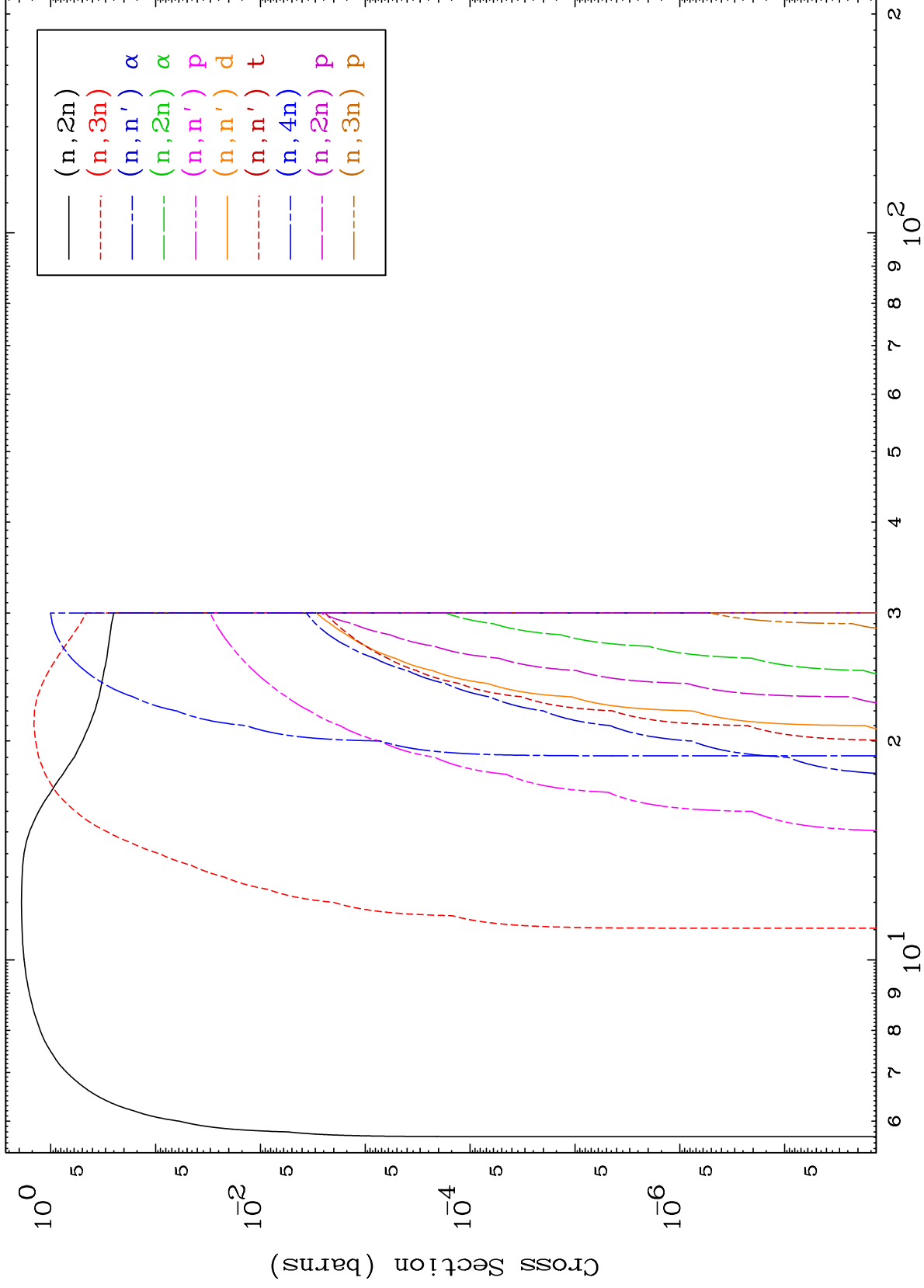
Press Mouse Button to Start



MAT 5080

Neutron Production
293 Kelvin Cross Sections

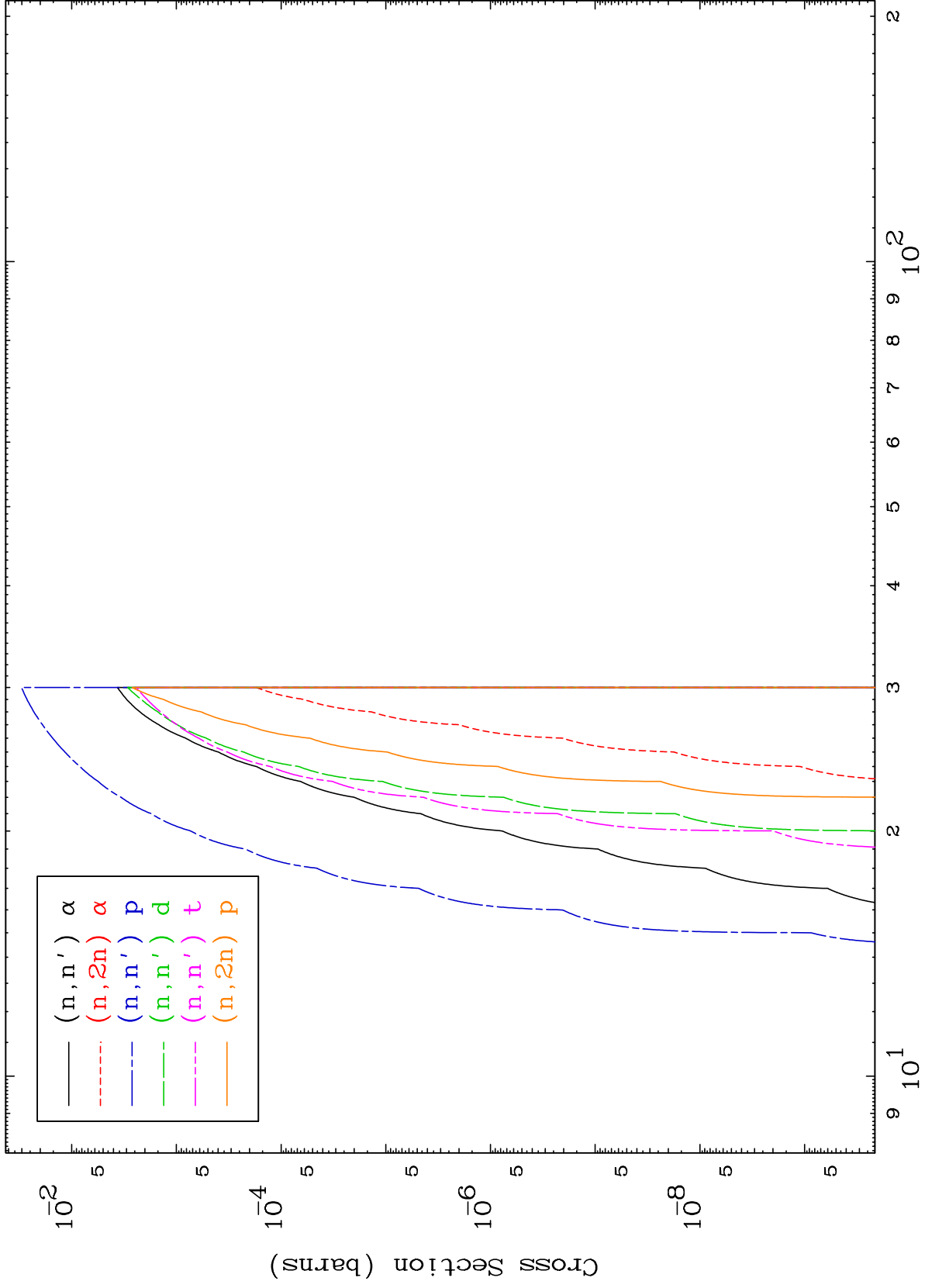
50-Sn-130



MAT 5080

Charged Particle
293 Kelvin Cross Sections

50-Sn-130



3

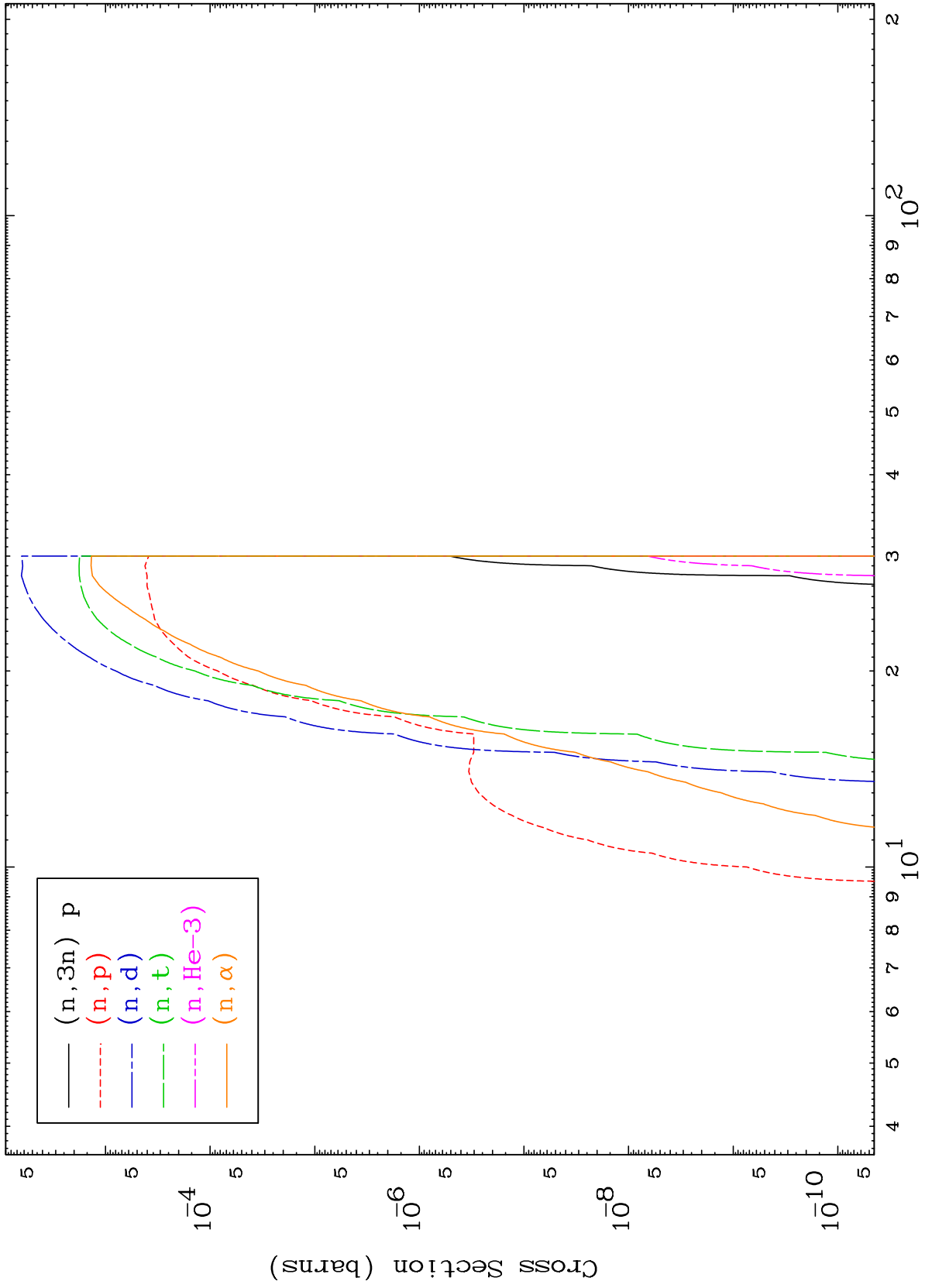
Incident Energy (MeV)

50-Sn-130

MAT 5080

Charged Particle
293 Kelvin Cross Sections

50-Sn-130



4

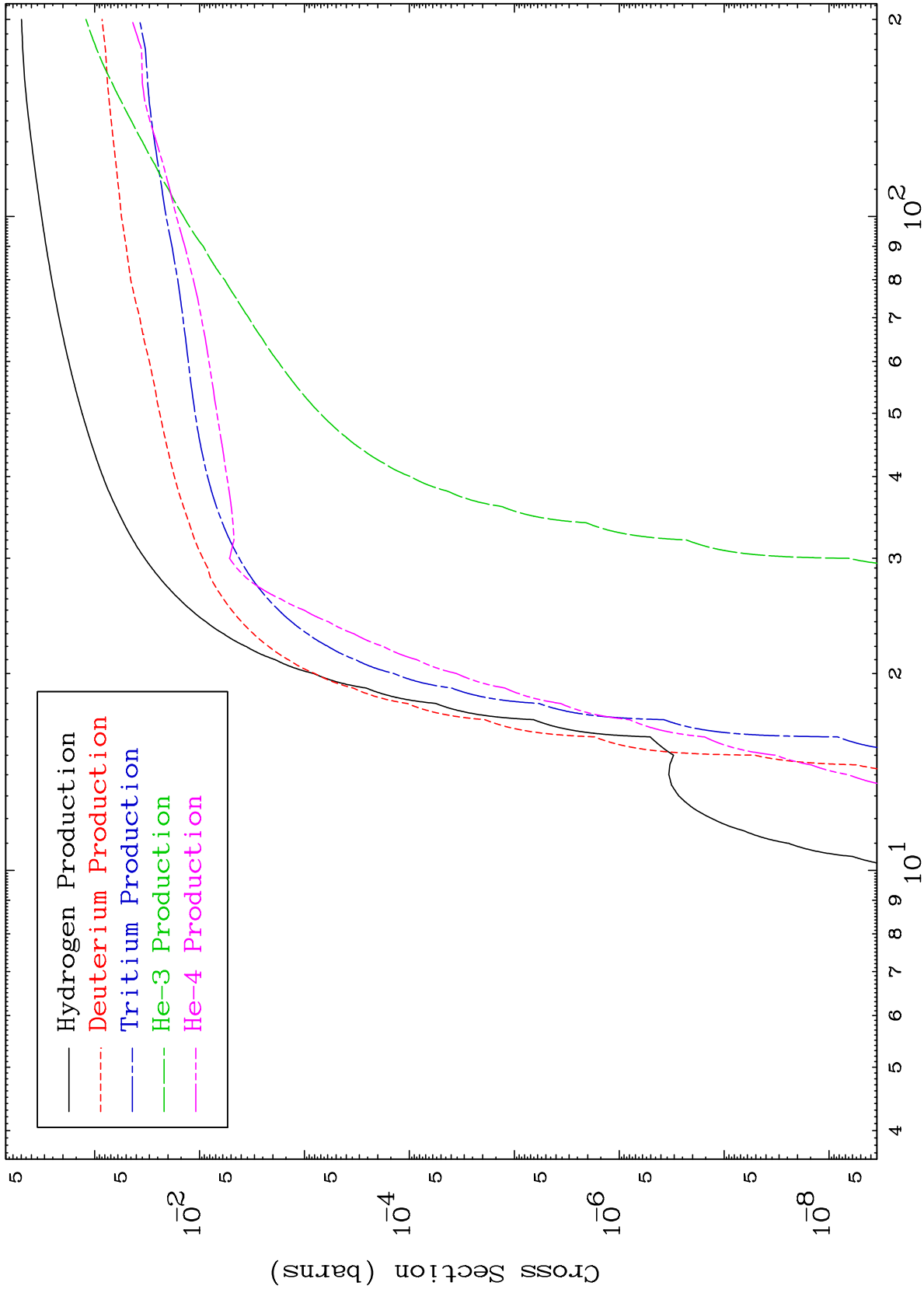
Incident Energy (MeV)

50-Sn-130

MAT 5080

Particle Production
293 Kelvin Cross Sections

50-Sn-130



5

Incident Energy (MeV)

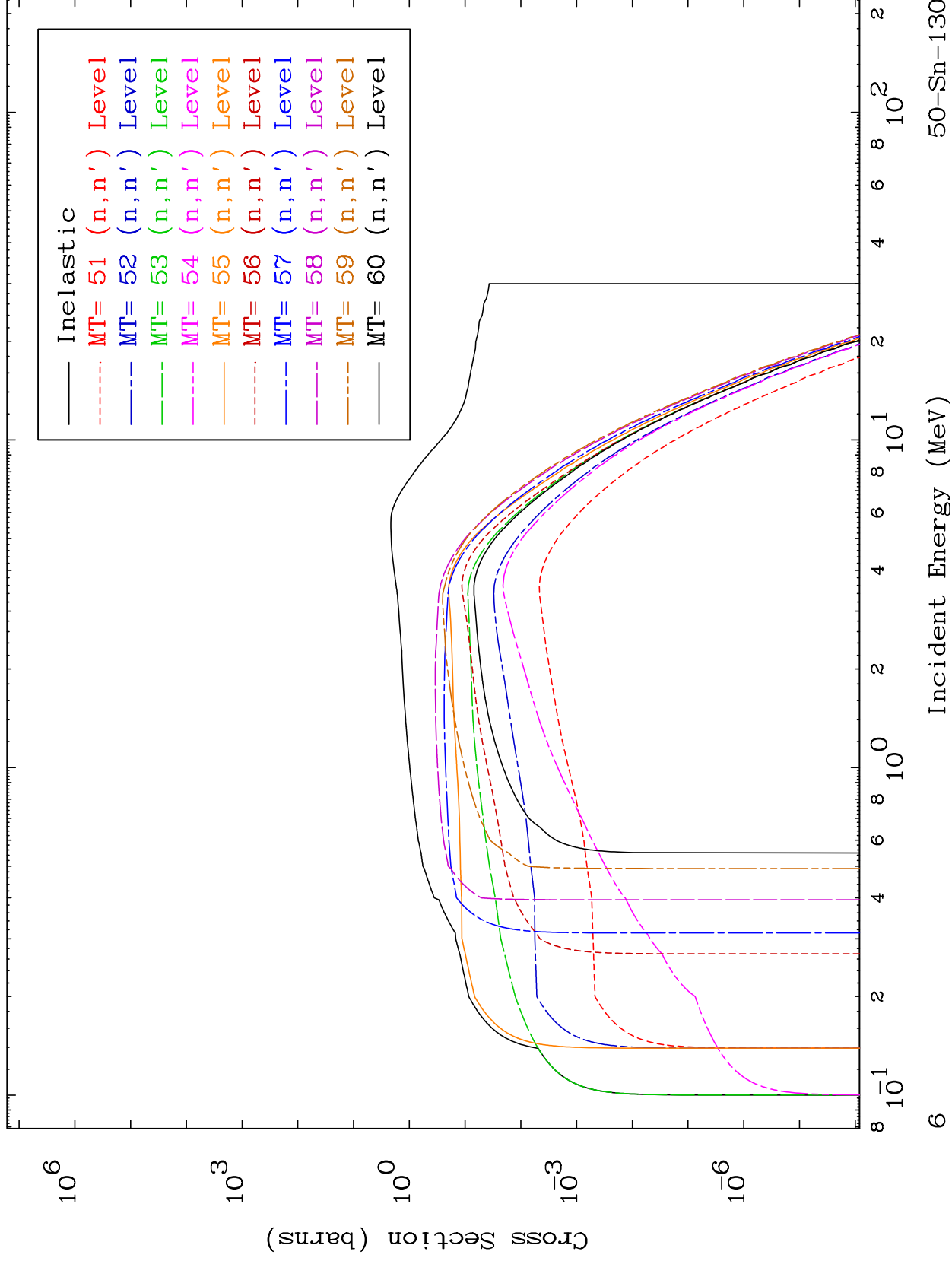
50-Sn-130

MAT 5080

(n,n') Level

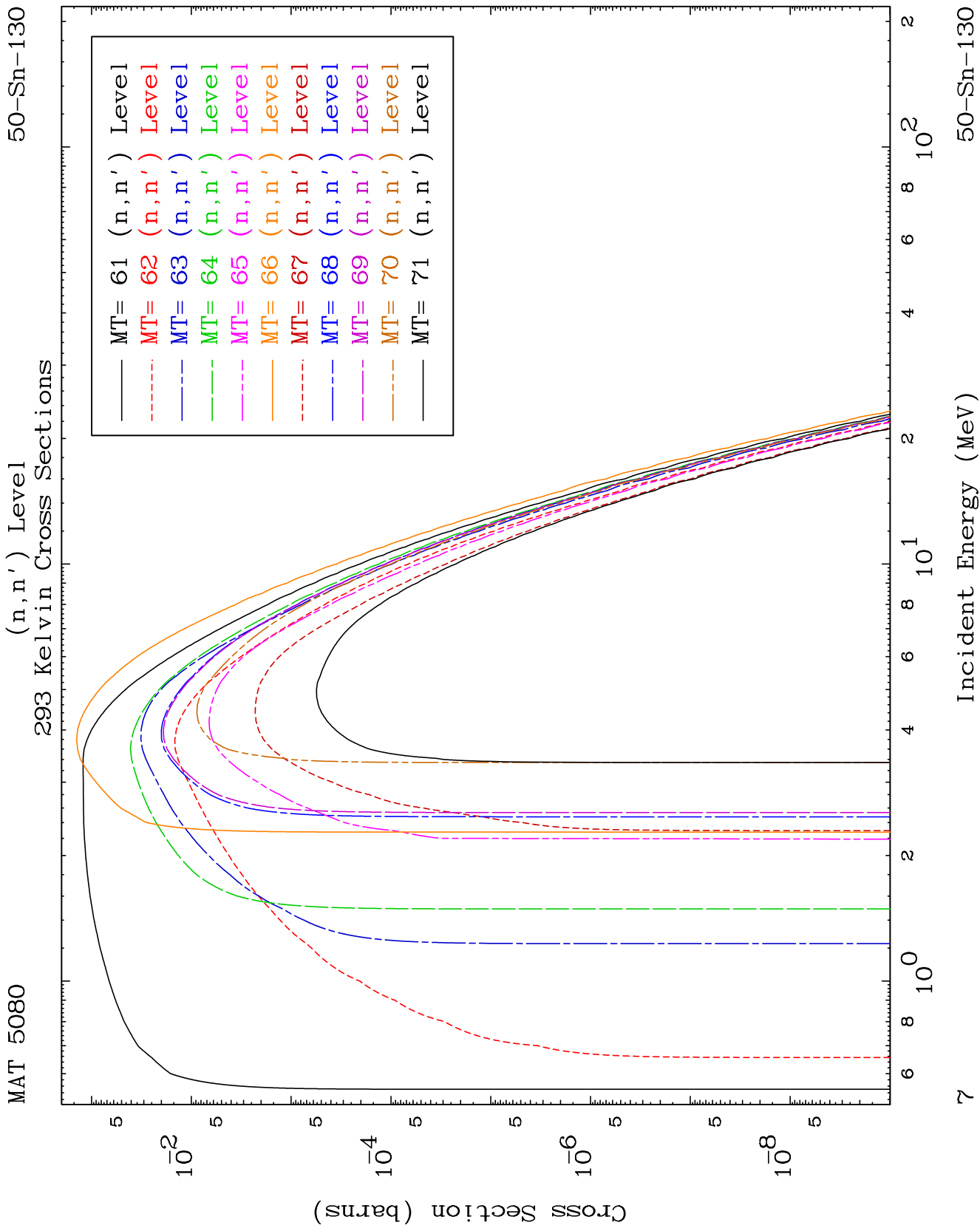
50-Sn-130

293 Kelvin Cross Sections



Incident Energy (MeV)

50-Sn-130

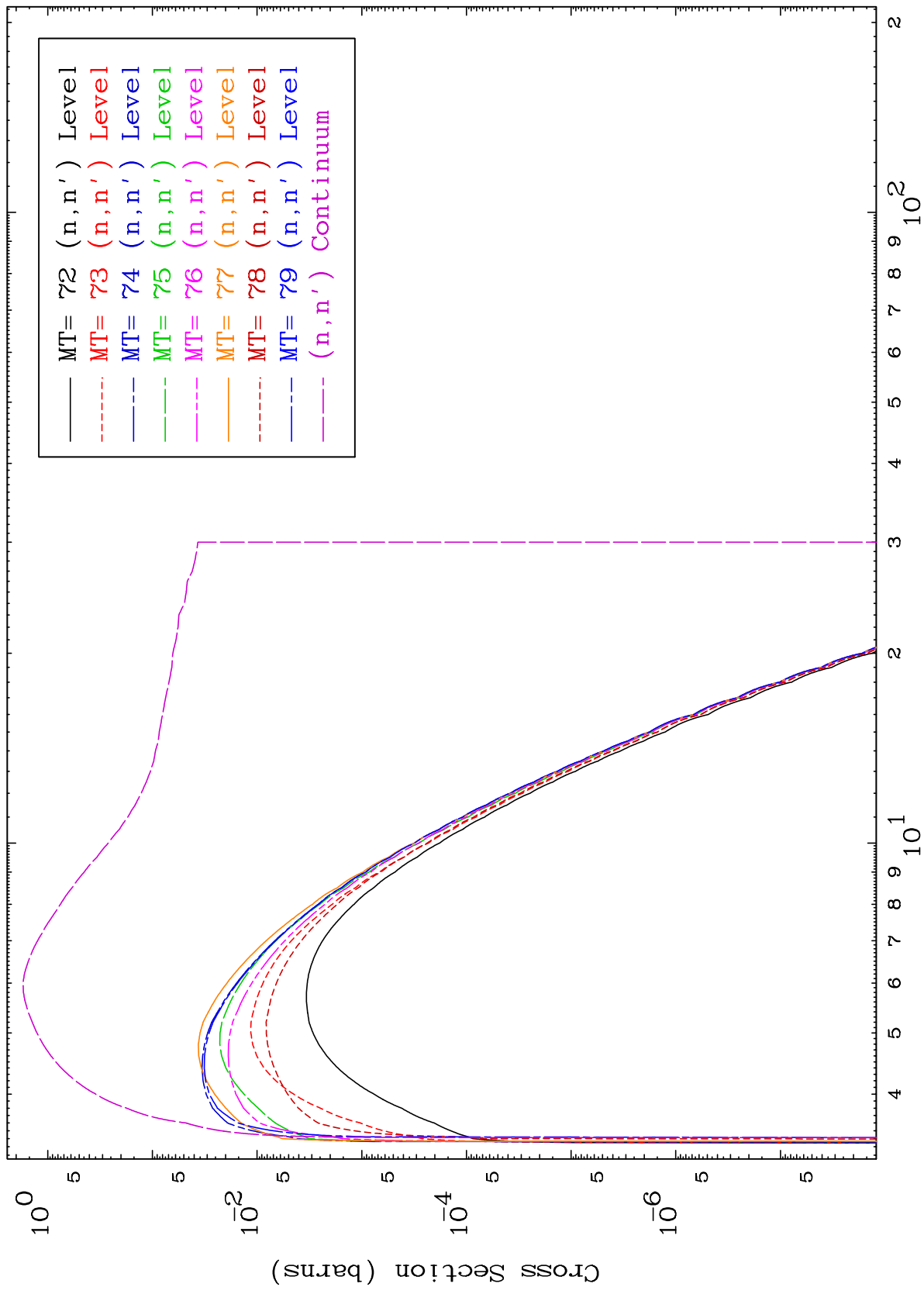


MAT 5080

(n,n') Level

50-Sn-130

293 Kelvin Cross Sections



8

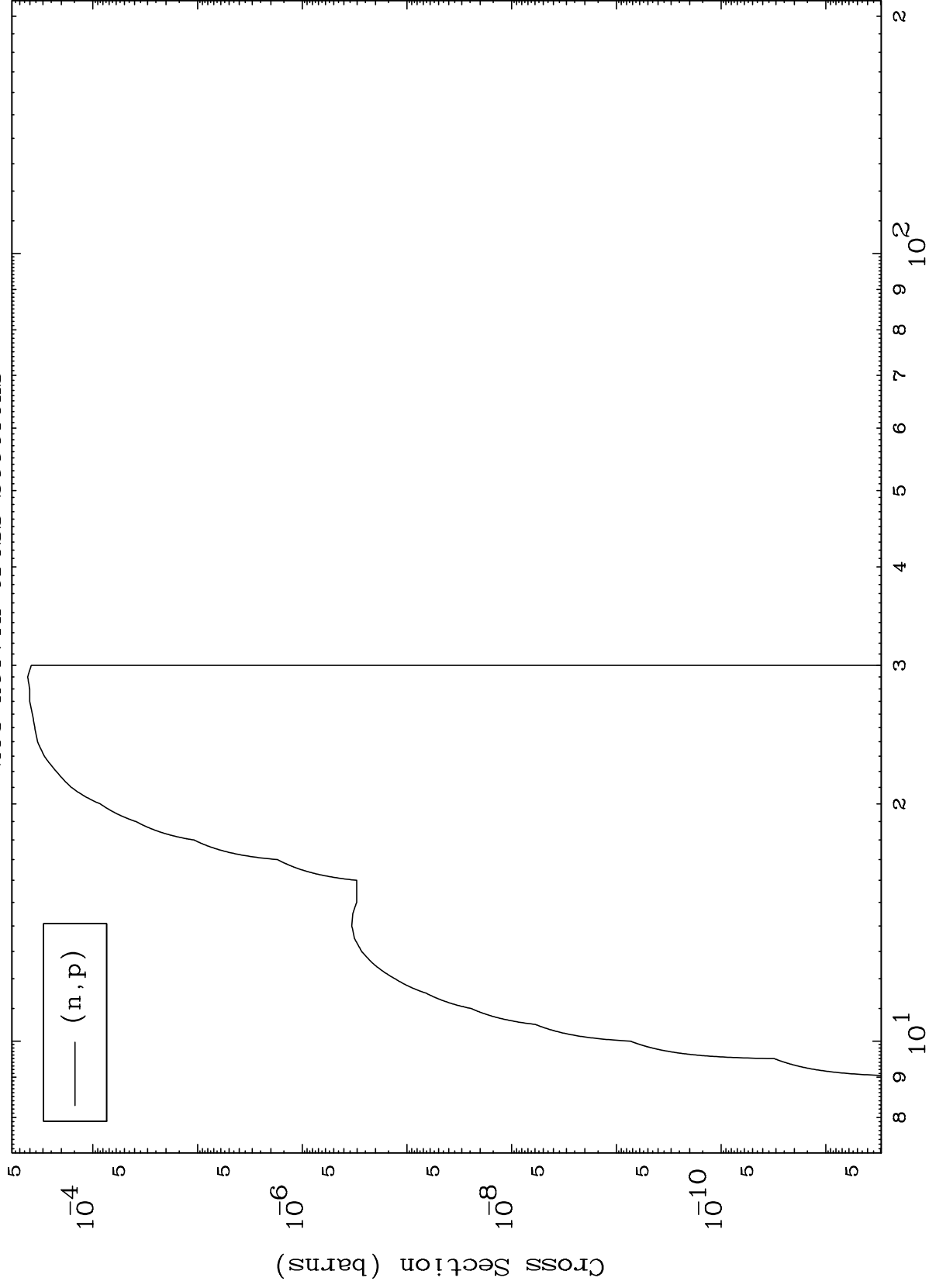
Incident Energy (MeV)

50-Sn-130

MAT 5080

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-130



9

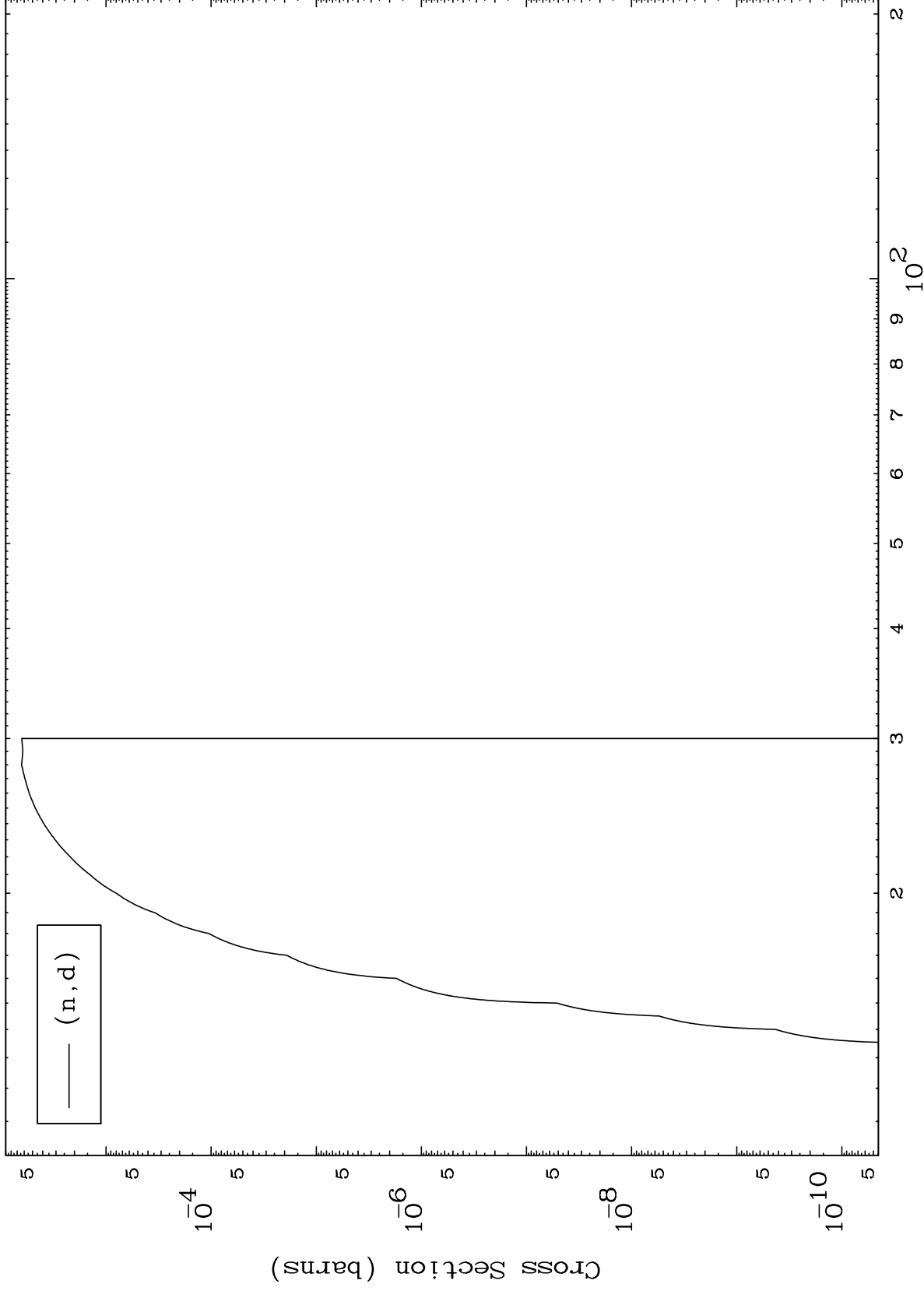
Incident Energy (MeV)

50-Sn-130

MAT 5080

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-130



10

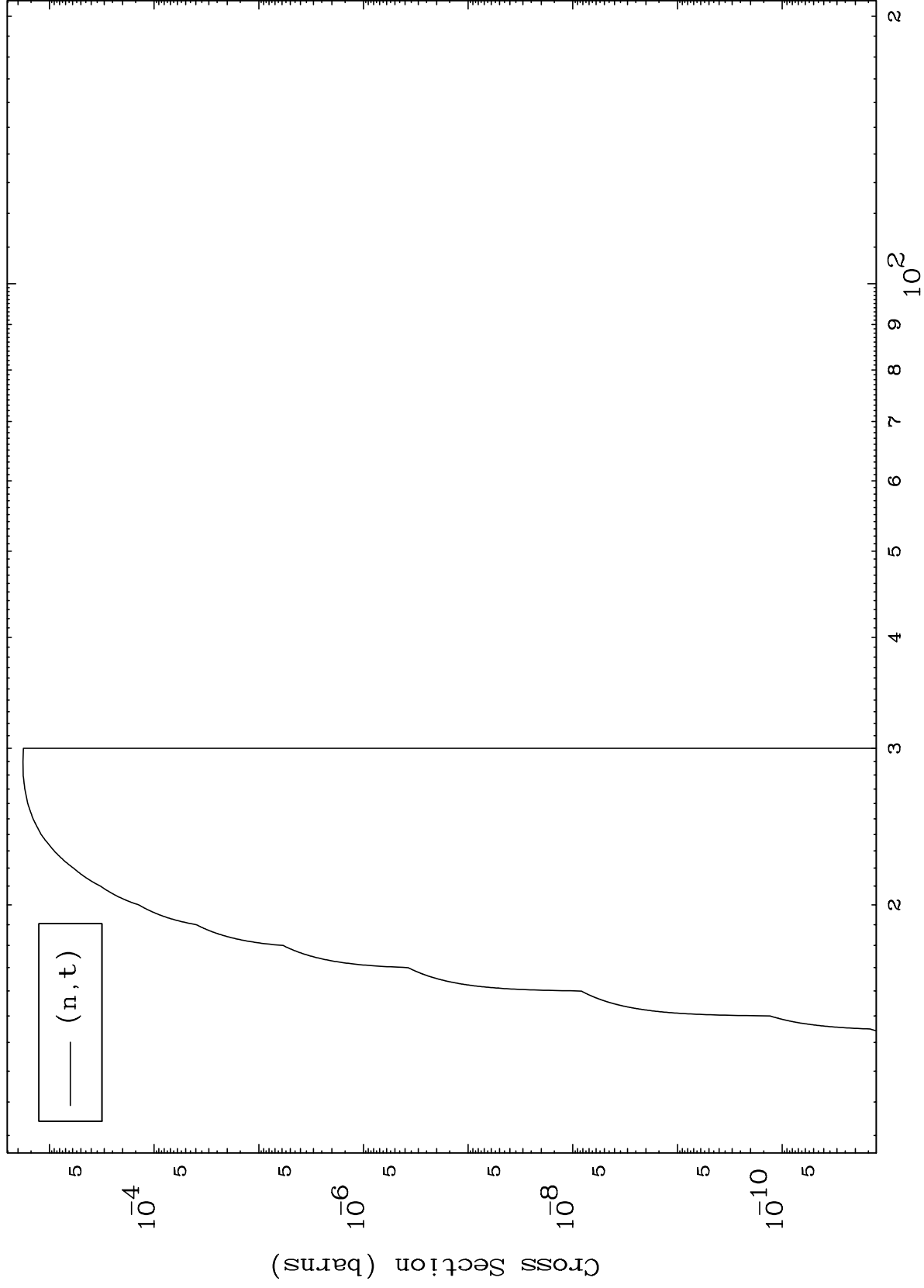
Incident Energy (MeV)

50-Sn-130

MAT 5080

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-130



11

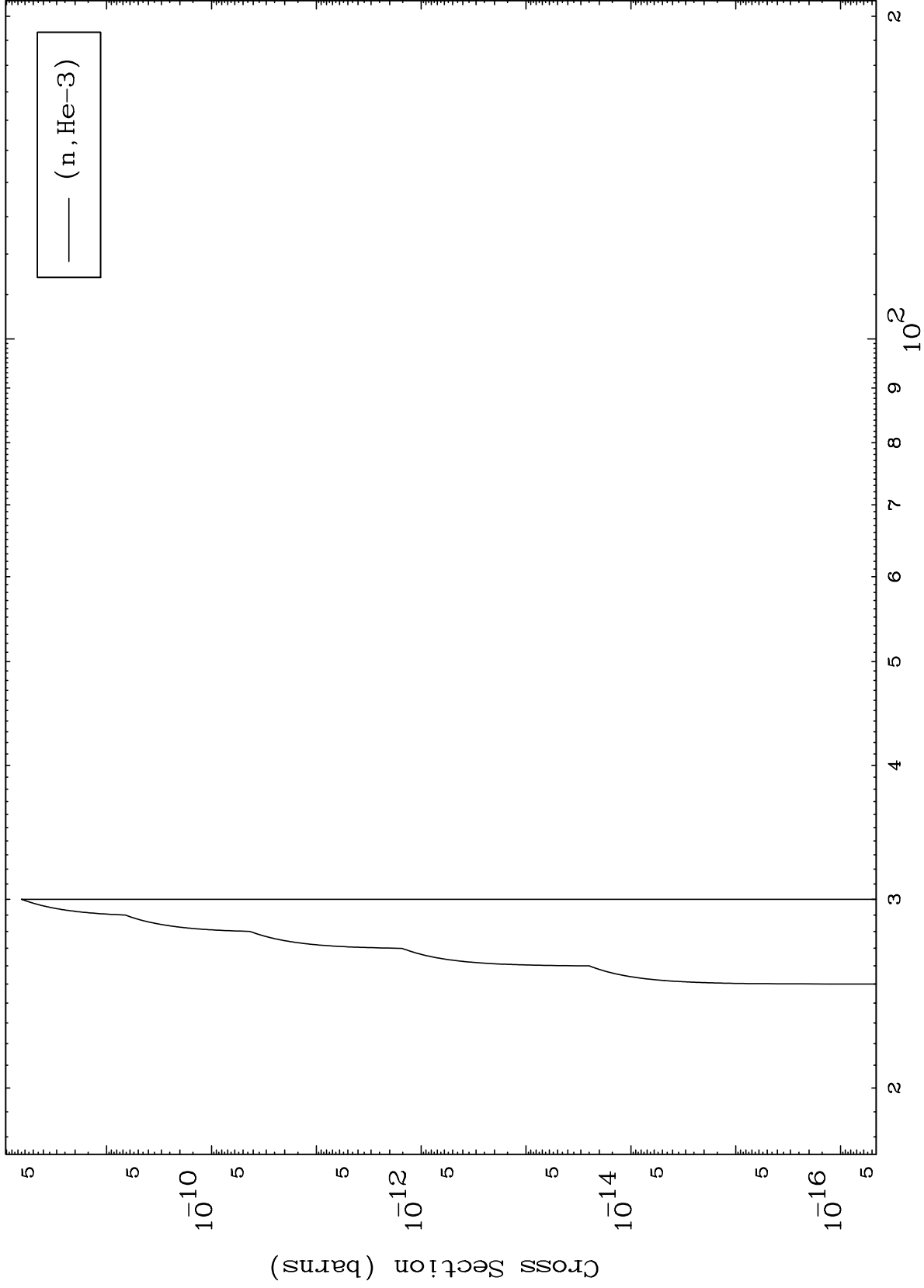
Incident Energy (MeV)

50-Sn-130

MAT 5080

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-130



12

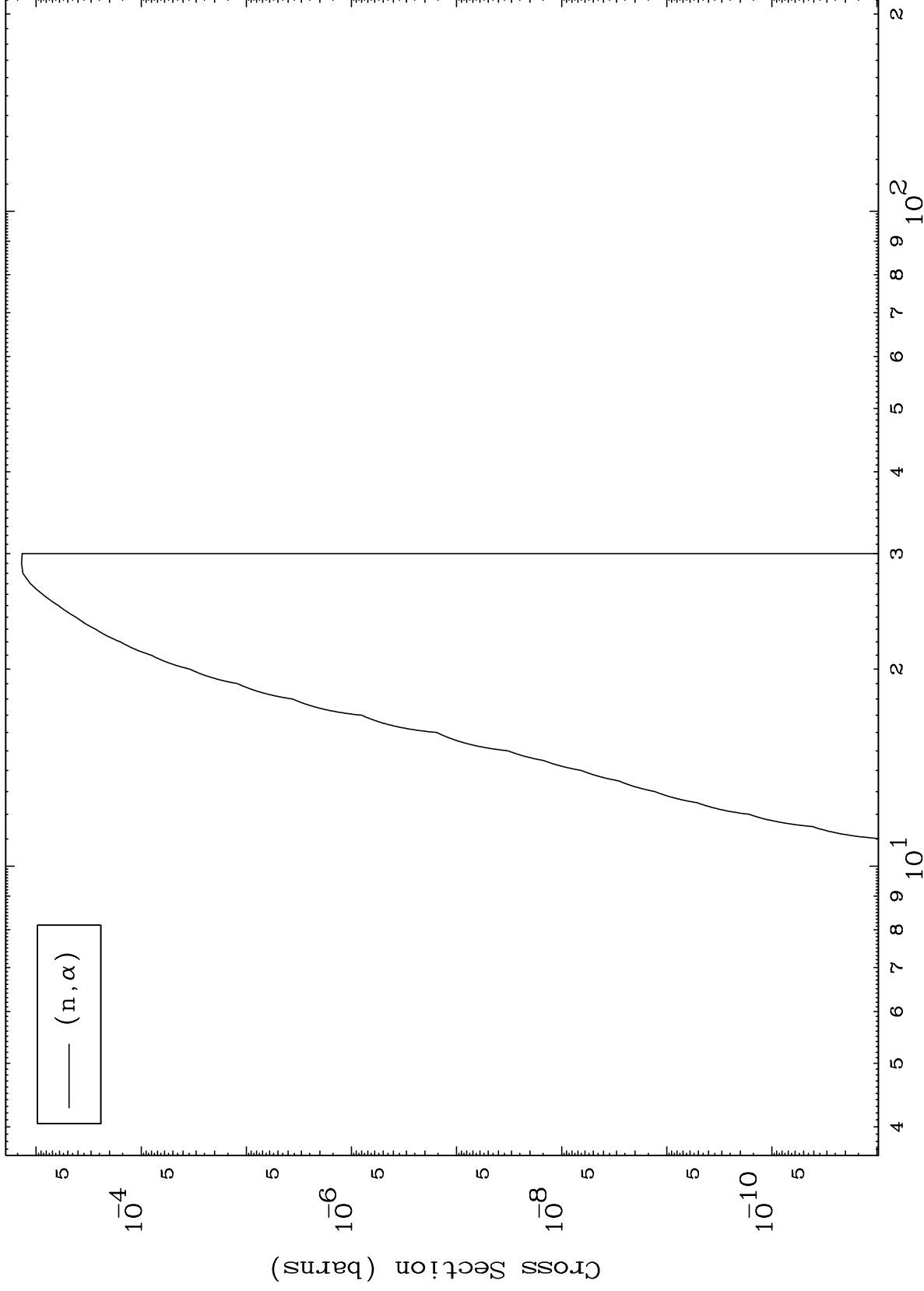
Incident Energy (MeV)

50-Sn-130

MAT 5080

(n, α) Levels
293 Kelvin Cross Sections

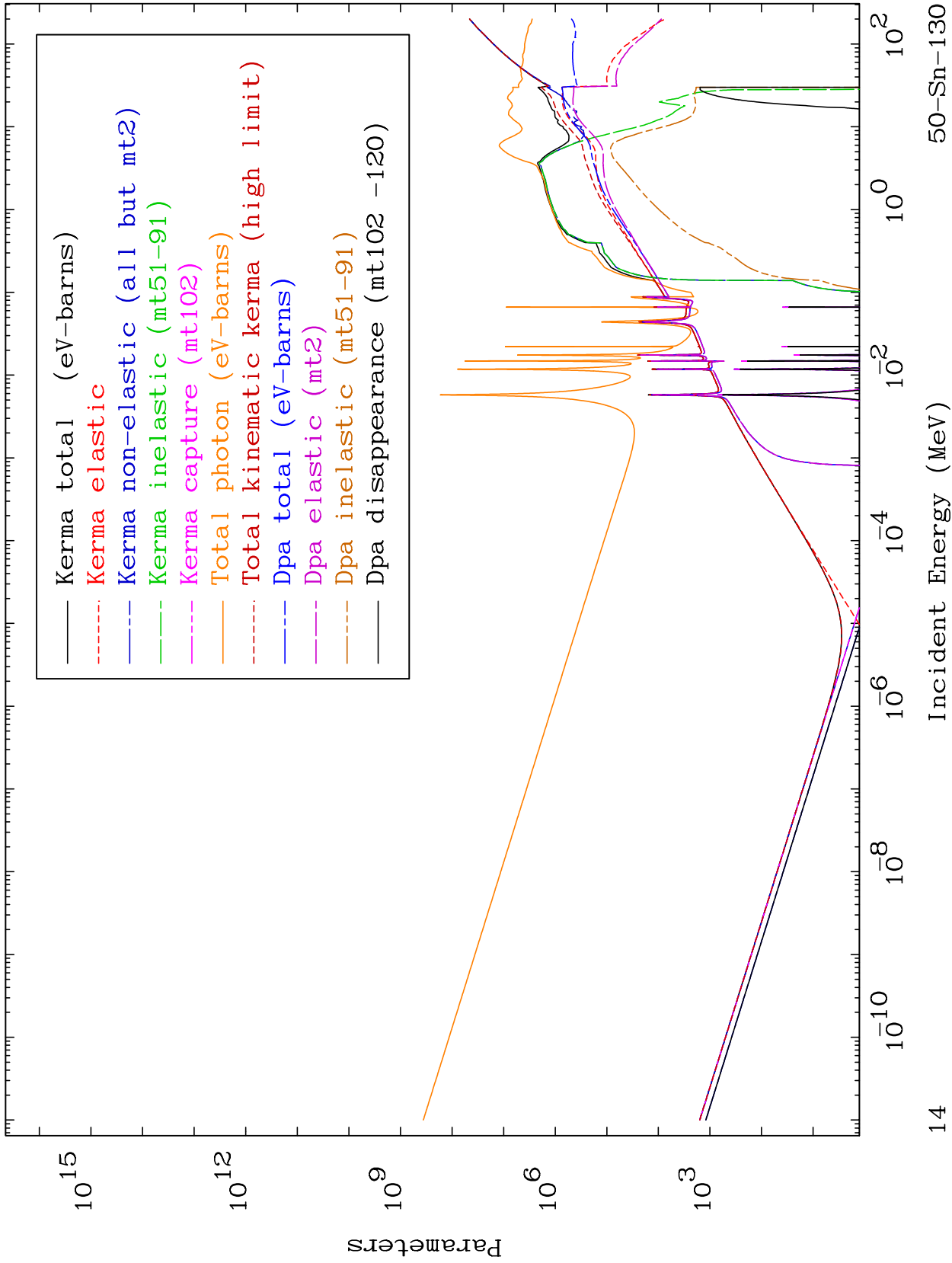
50-Sn-130

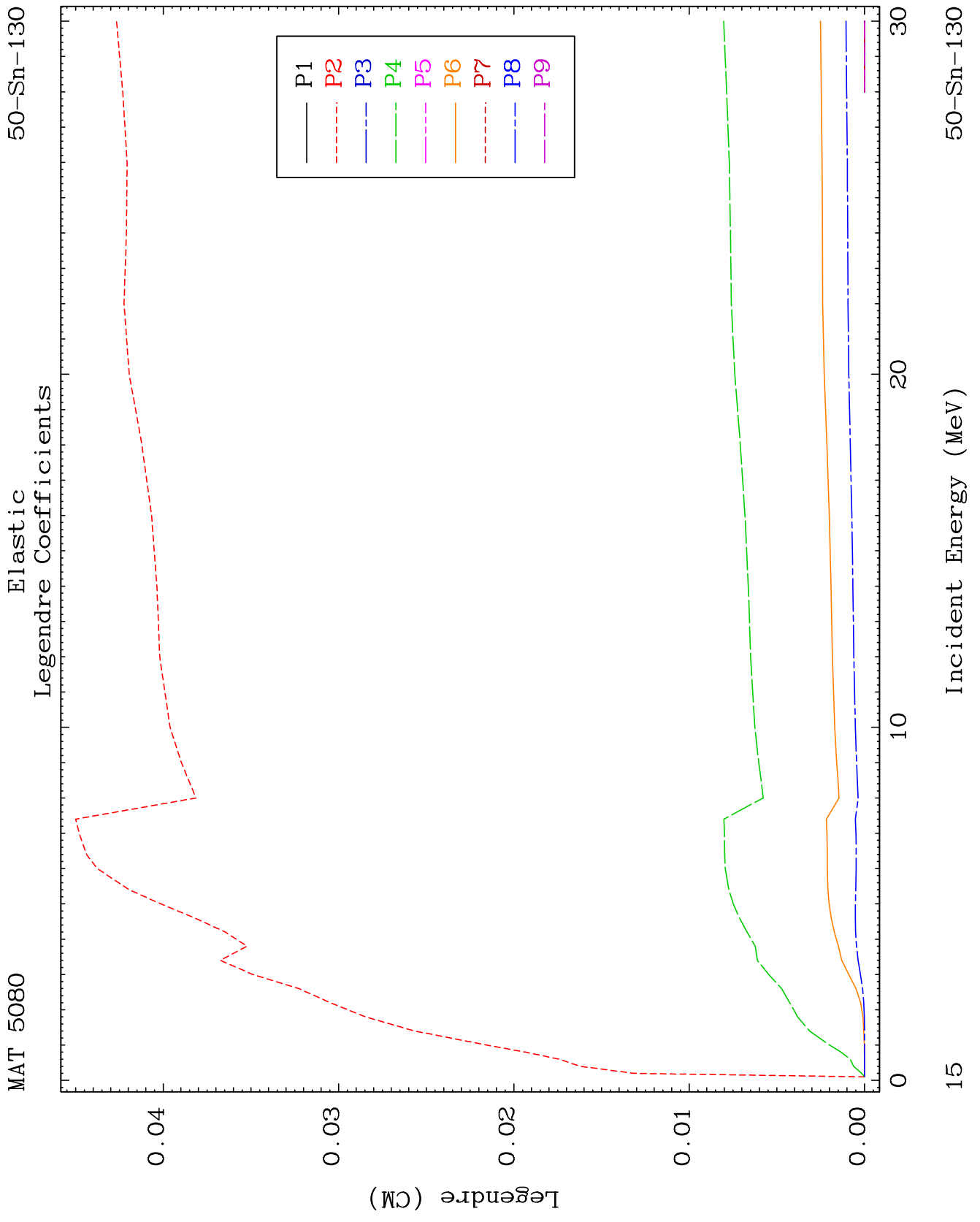


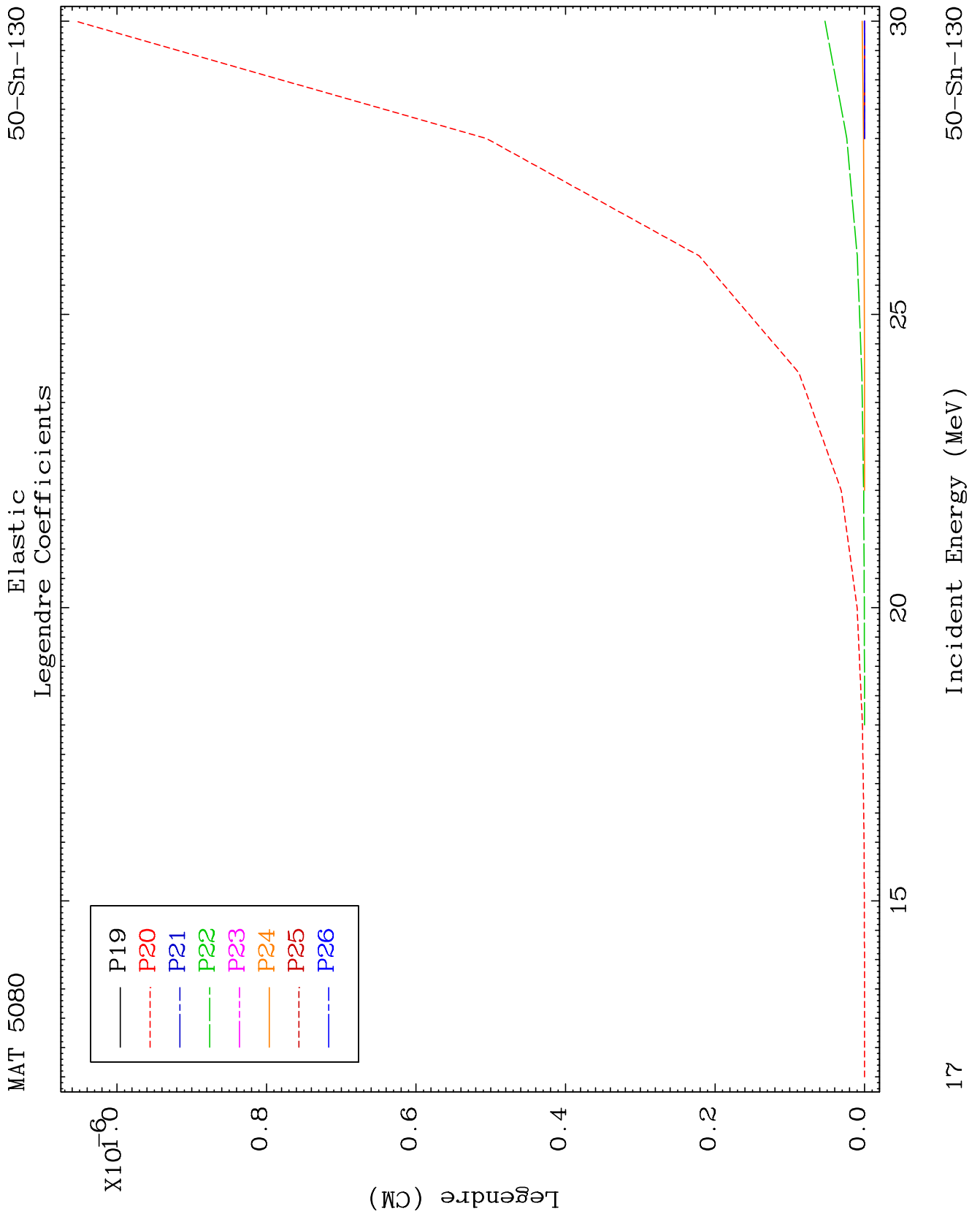
13

Incident Energy (MeV)

50-Sn-130



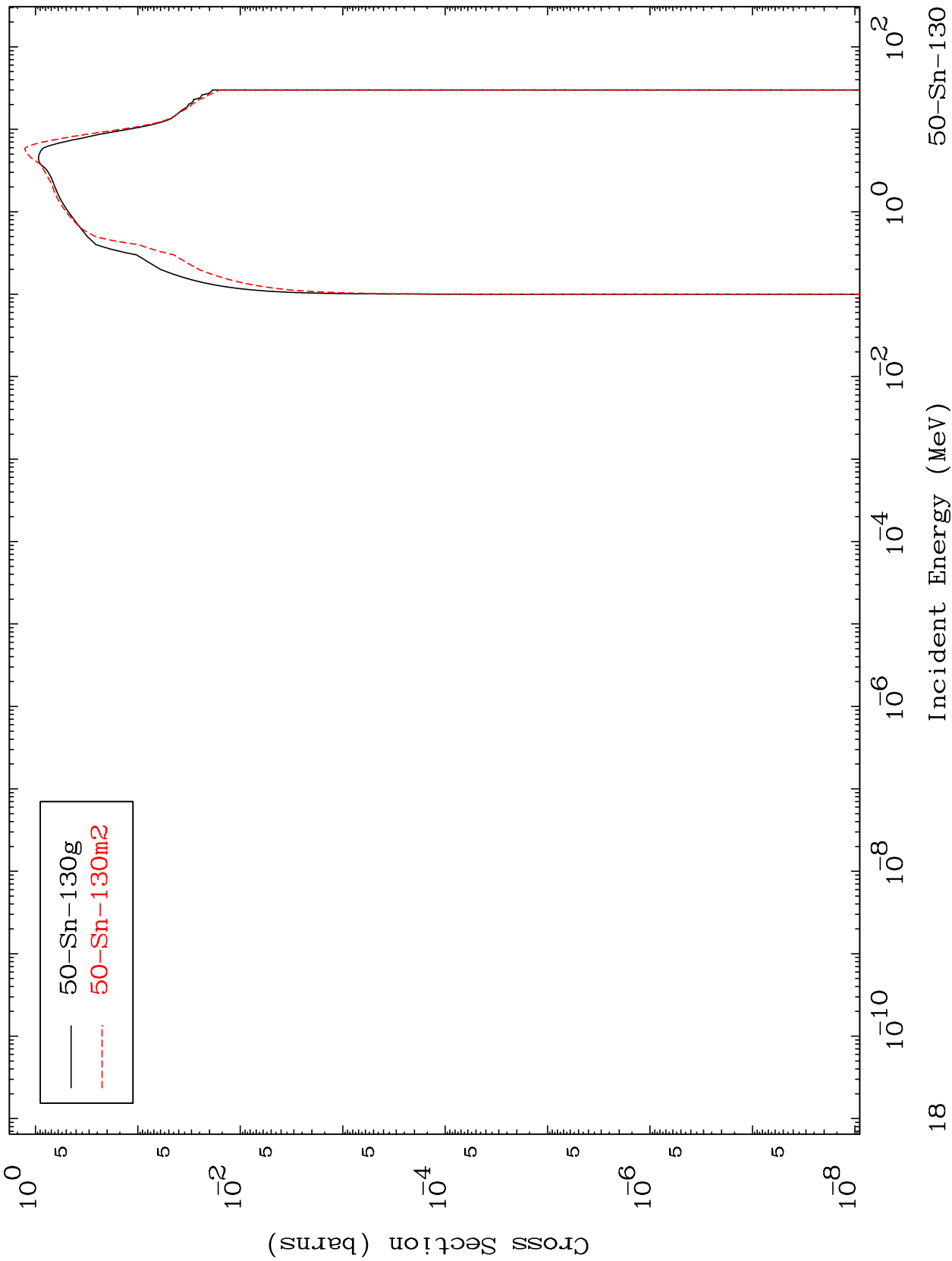




MAT 5080

50-Sn-130

Inelastic
Radionuclide Production Cross Section

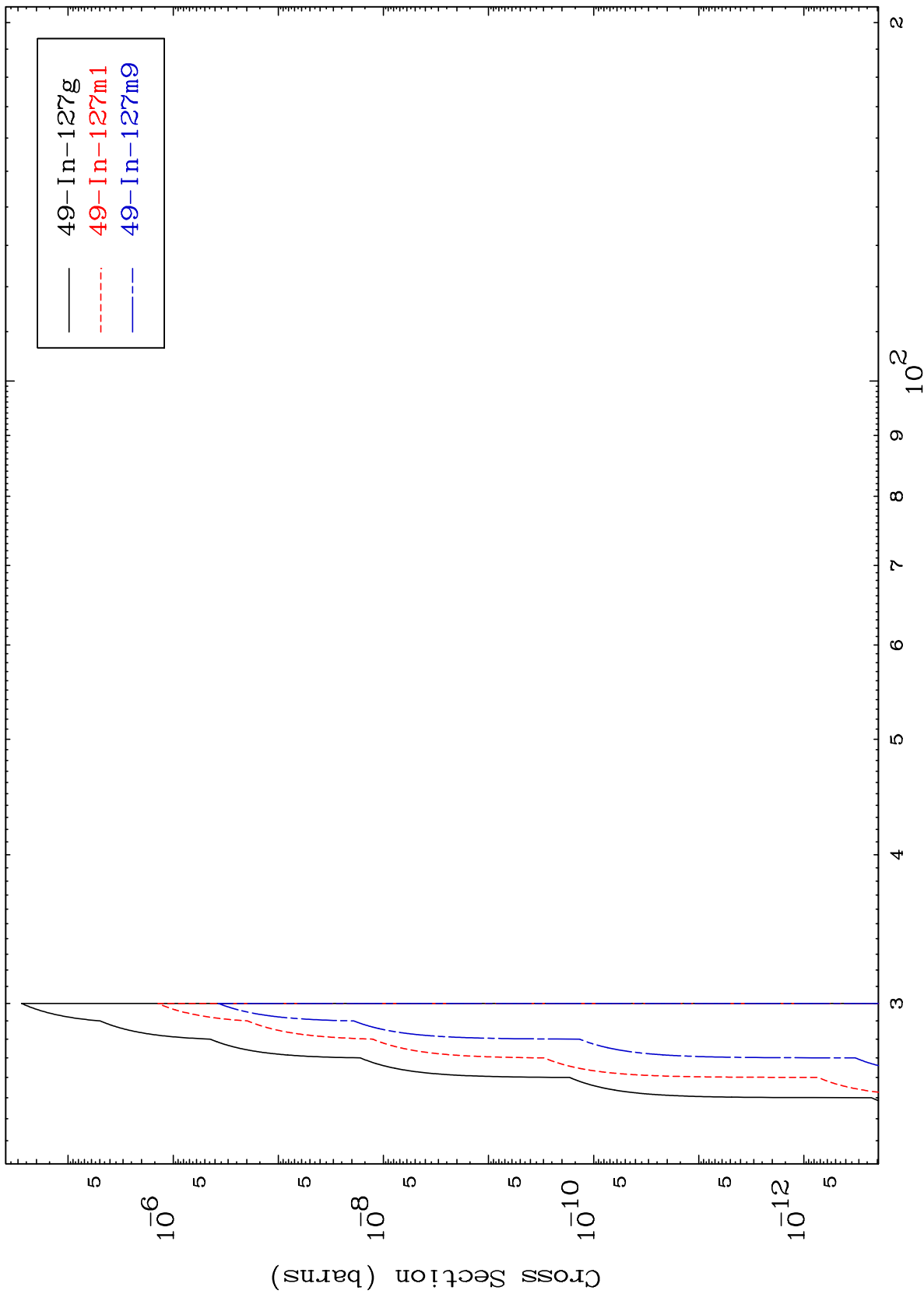


MAT 5080

(n,2n) d

50-Sn-130

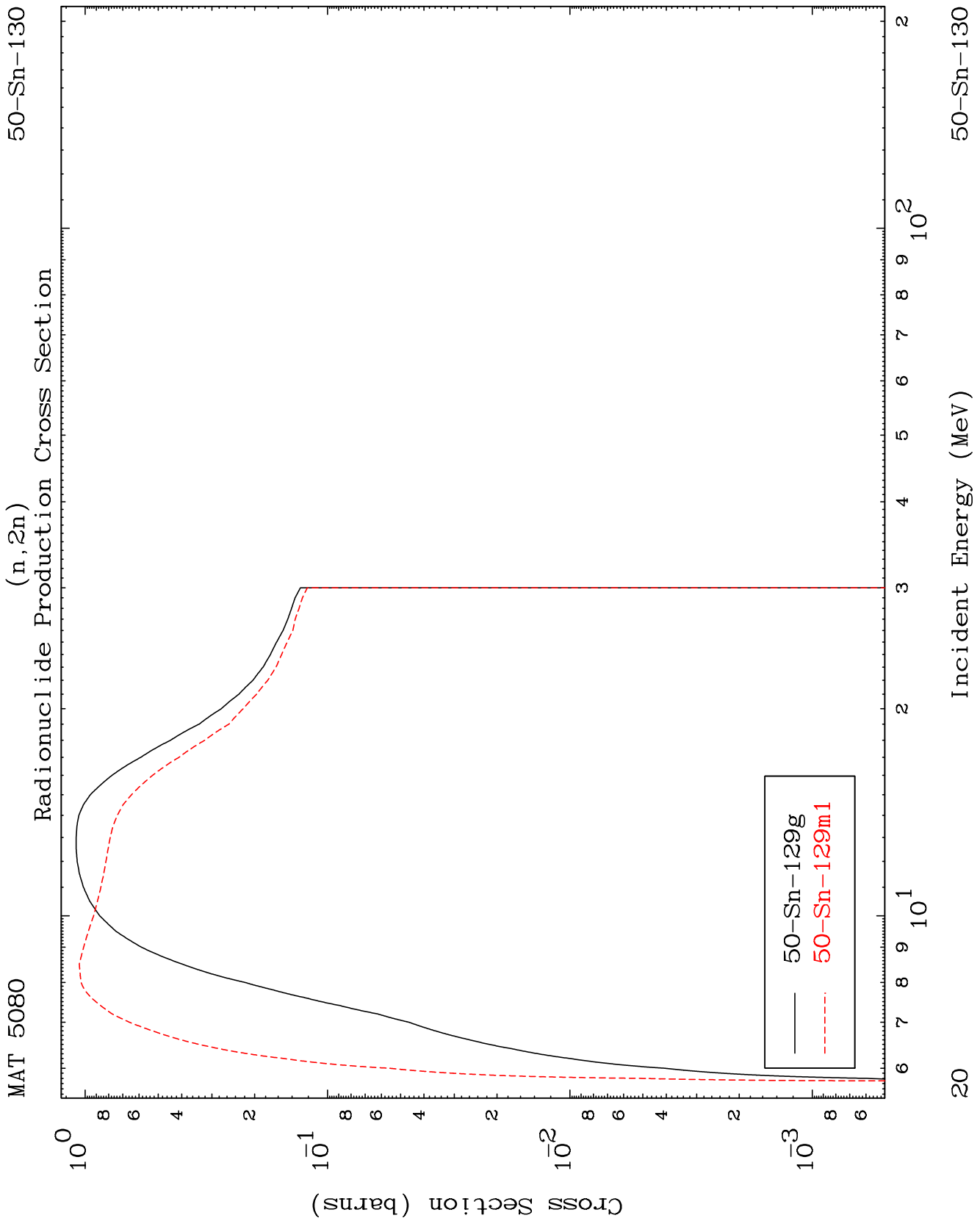
Radionuclide Production Cross Section

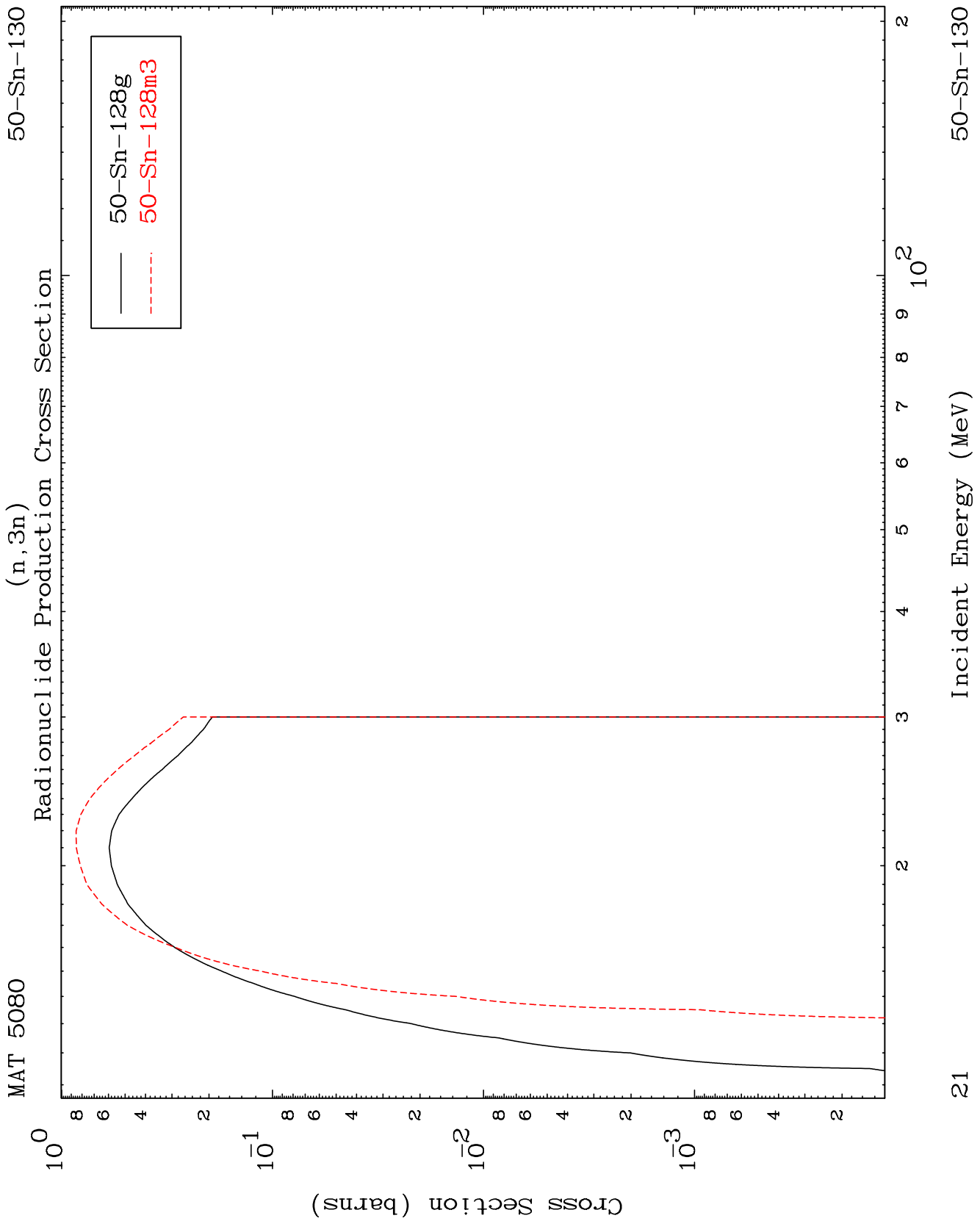


19

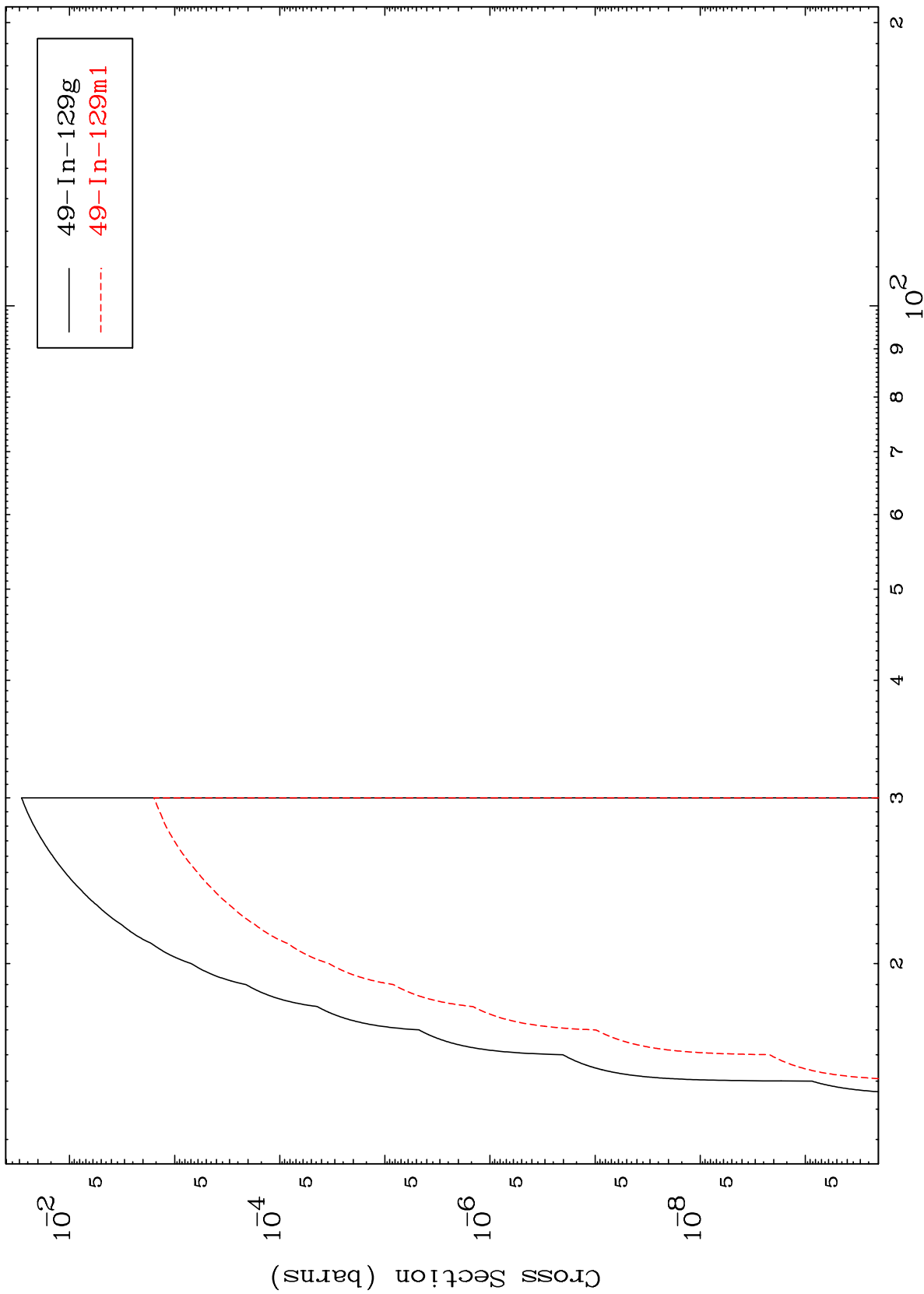
Incident Energy (MeV)

50-Sn-130

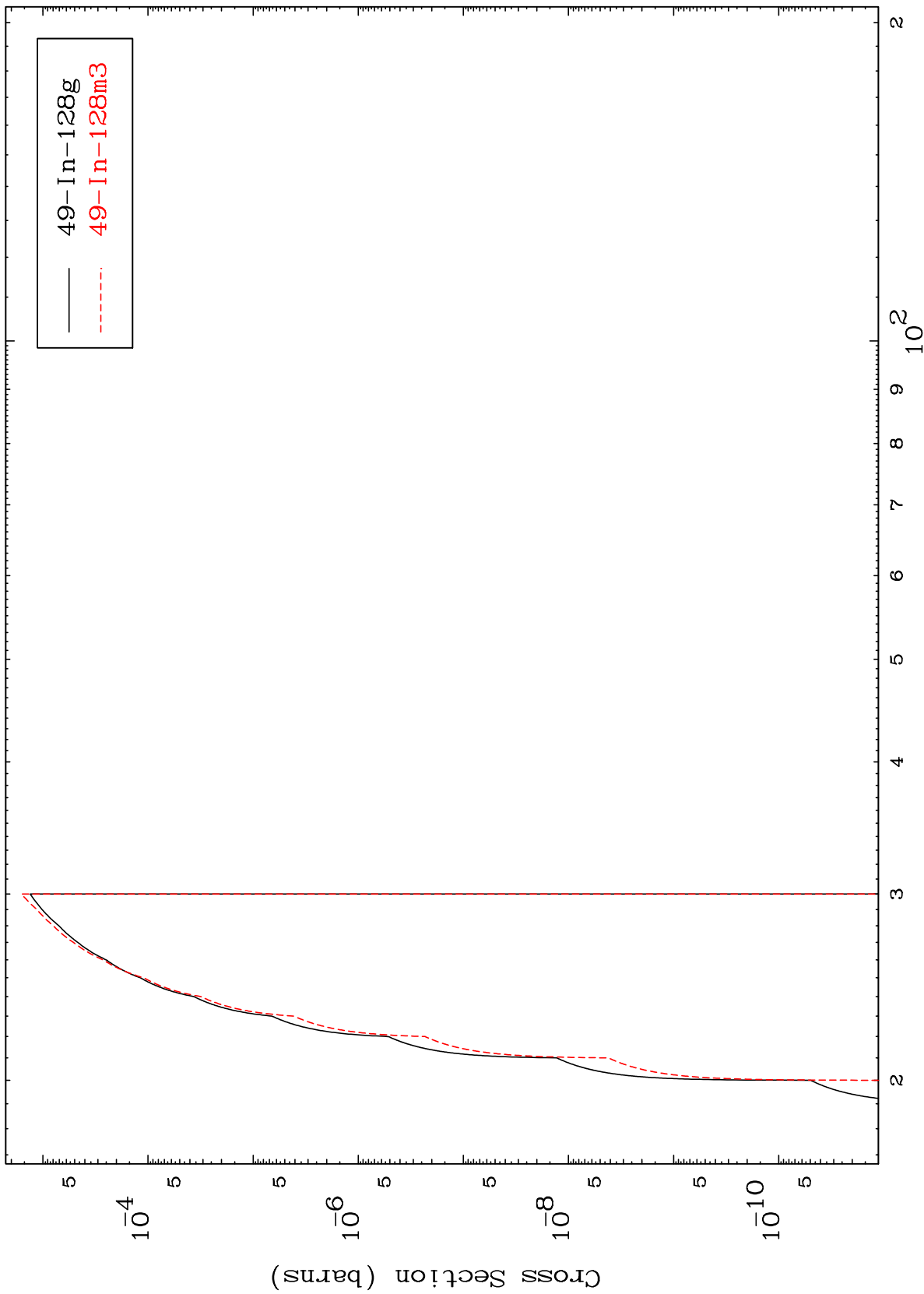




Radionuclide Production Cross Section



(n,n') d
Radionuclide Production Cross Section

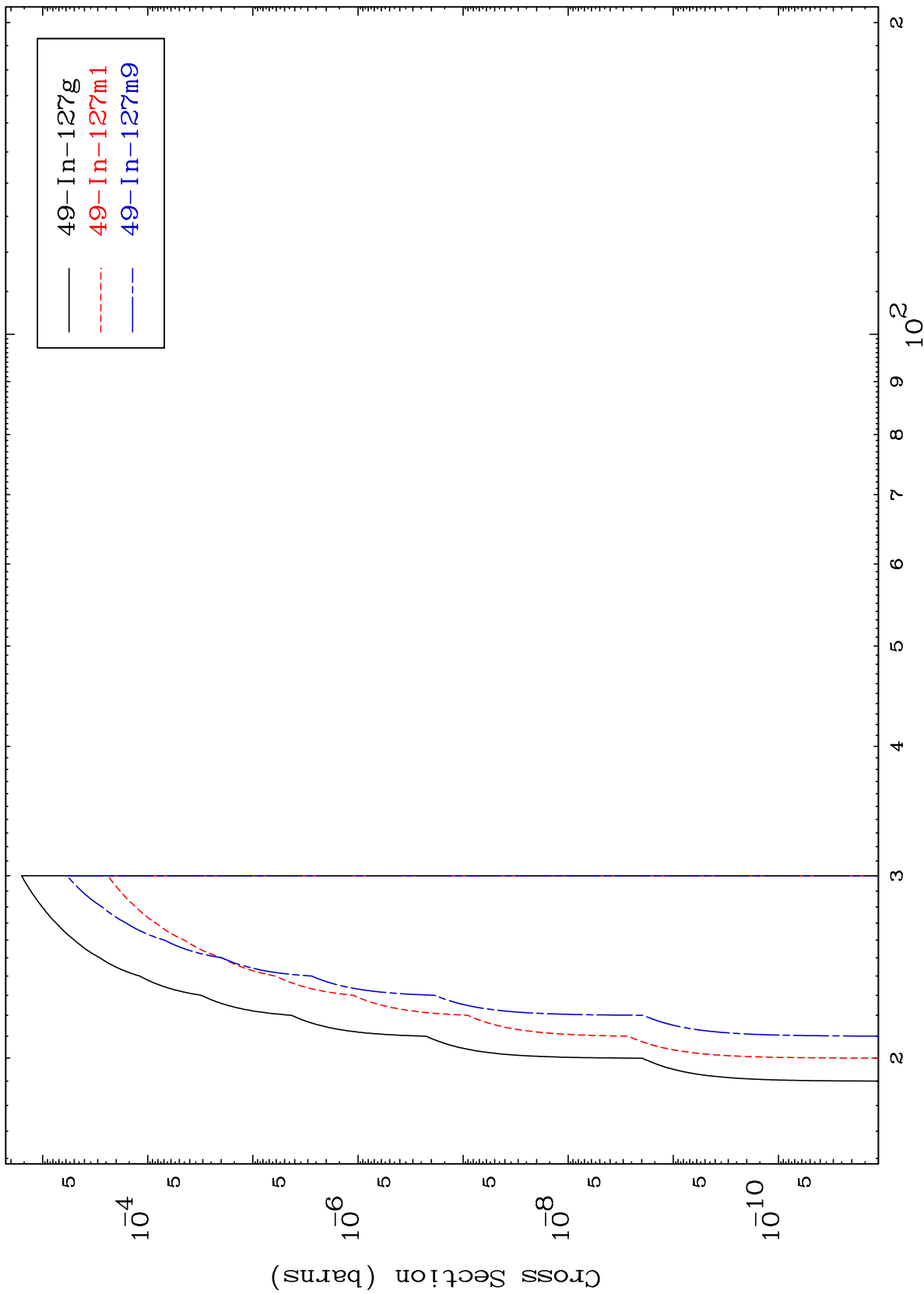


MAT 5080

(n,n') t

50-Sn-130

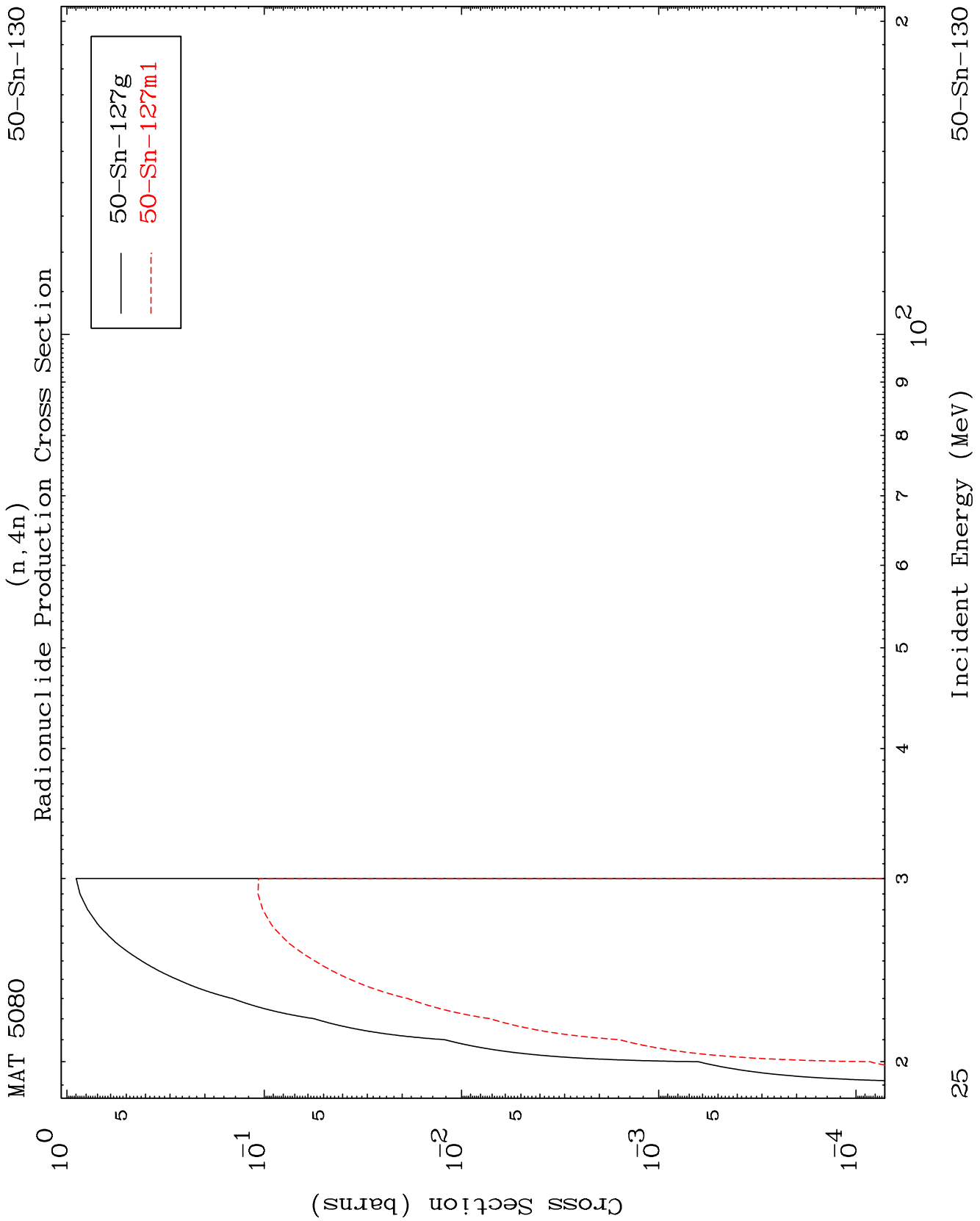
Radionuclide Production Cross Section



24

Incident Energy (MeV)

50-Sn-130

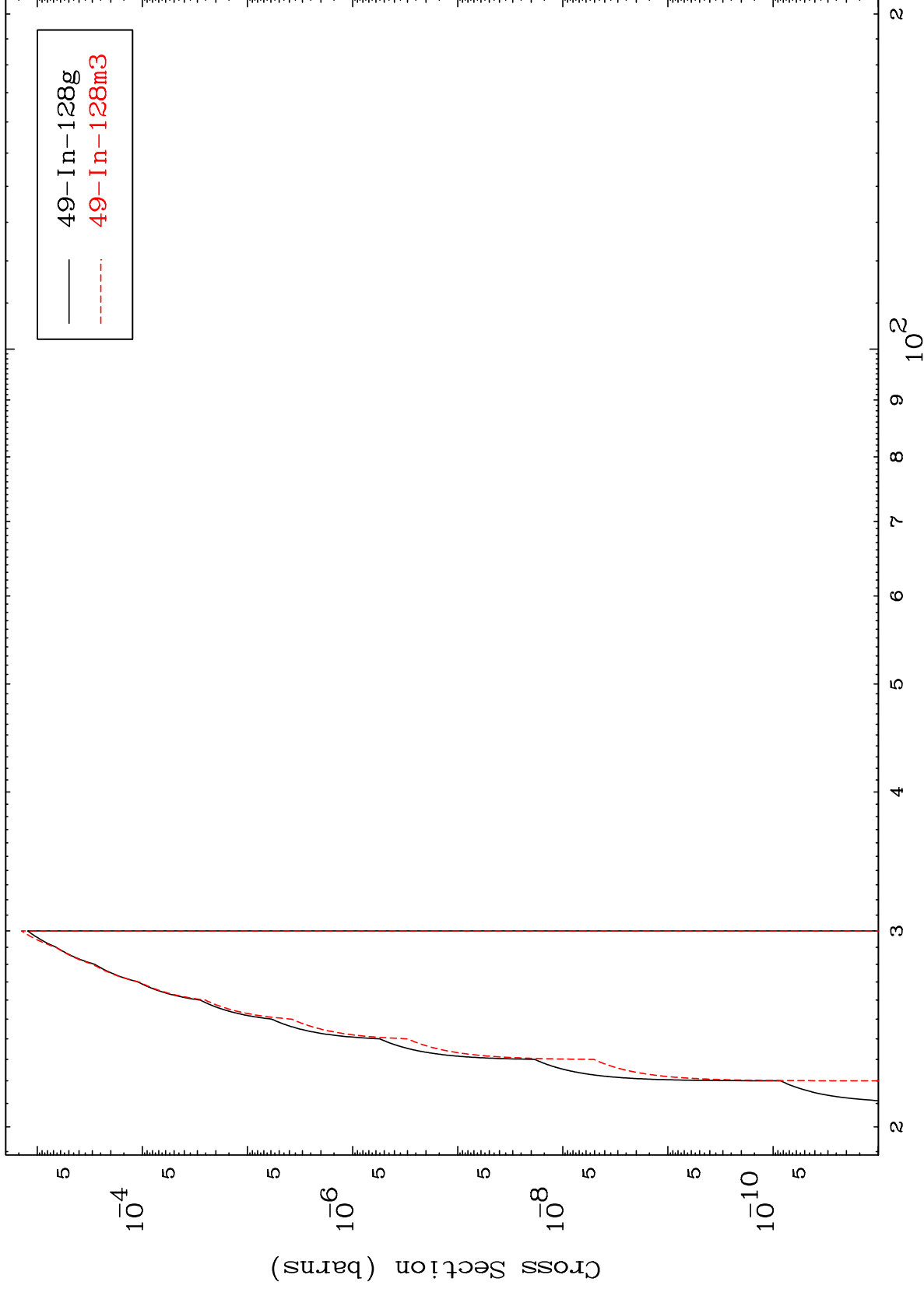


MAT 5080

(n,2n) p

50-Sn-130

Radionuclide Production Cross Section



26

Incident Energy (MeV)

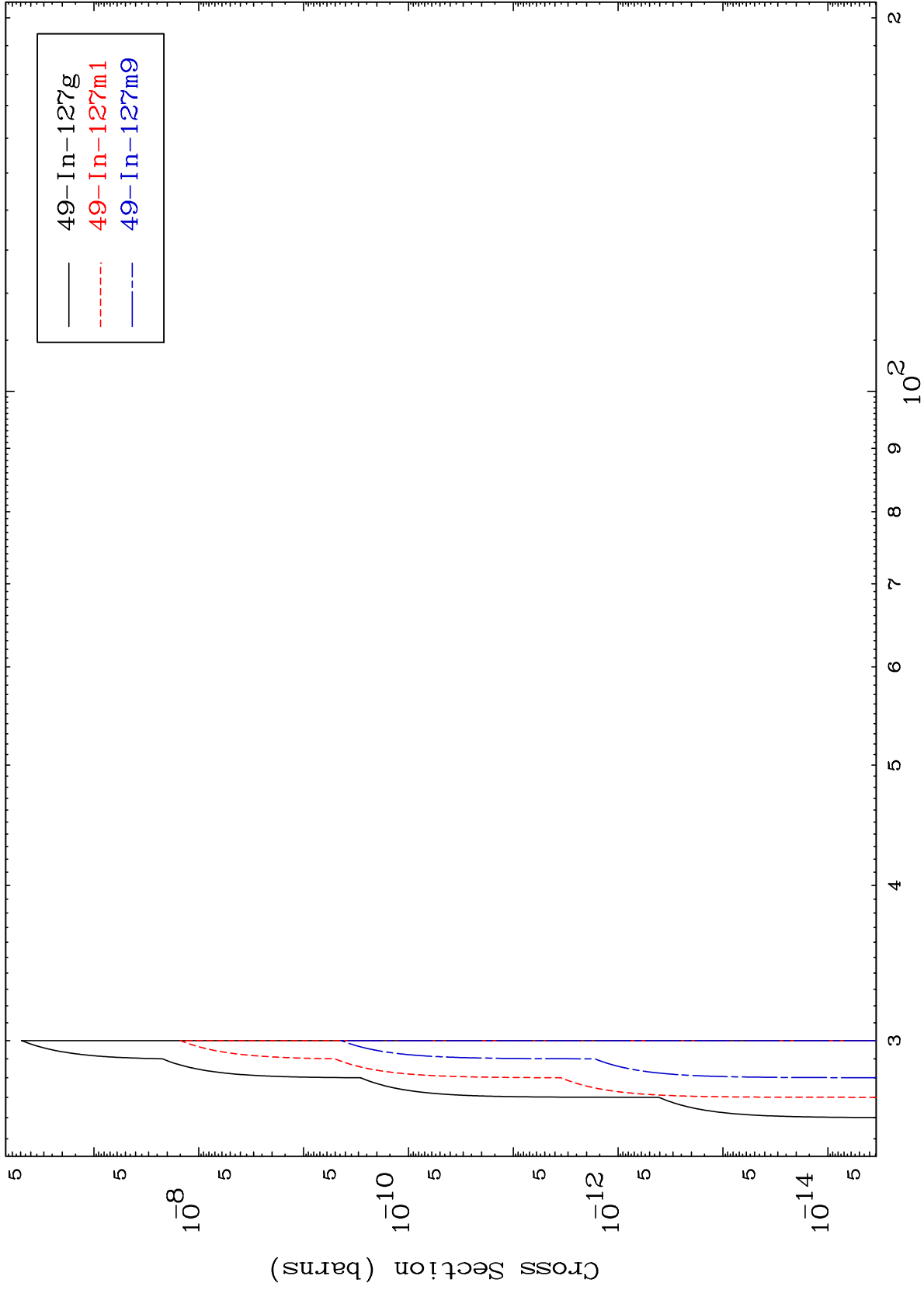
50-Sn-130

MAT 5080

(n,3n) p

50-Sn-130

Radionuclide Production Cross Section



27

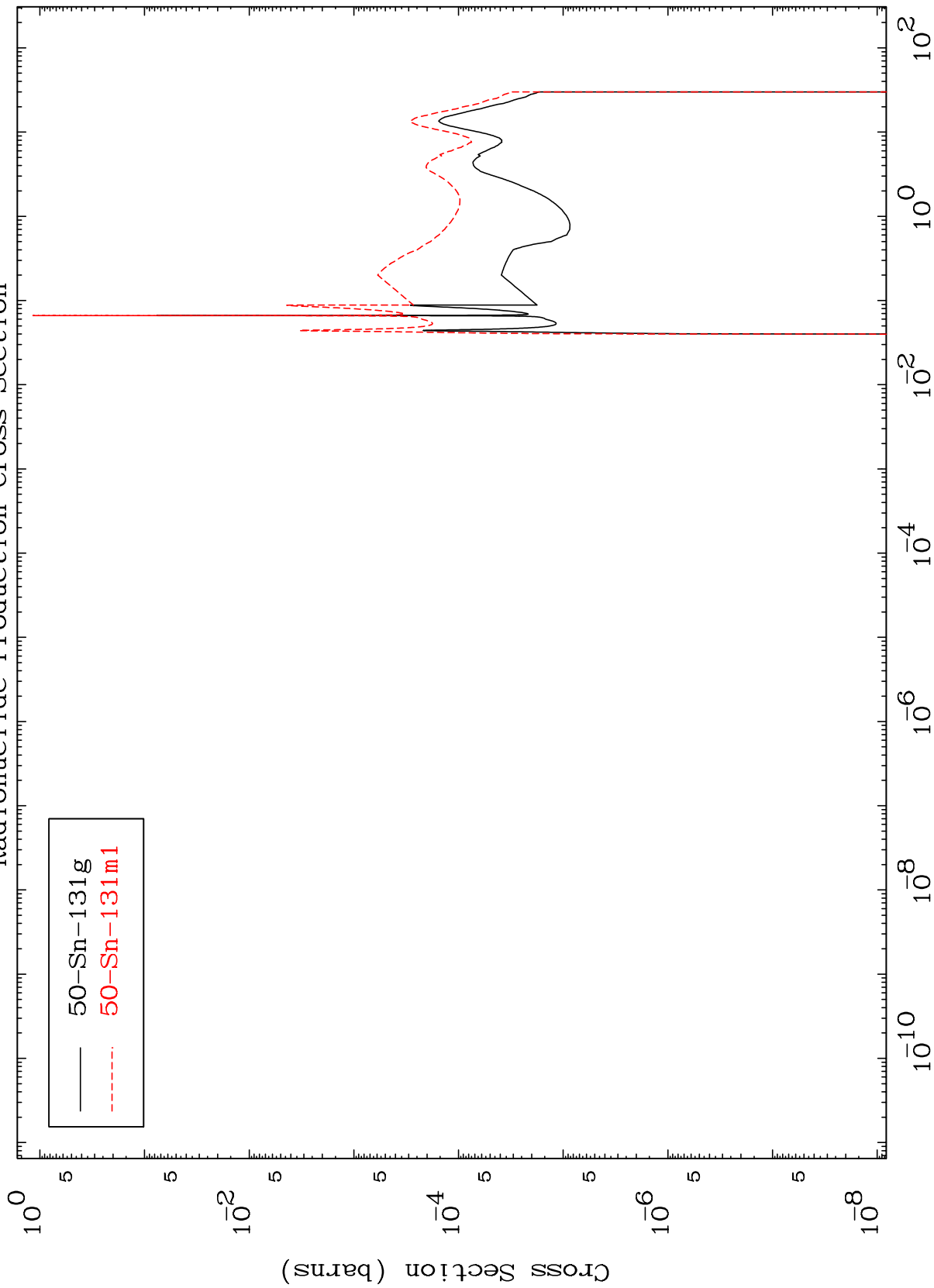
Incident Energy (MeV)

50-Sn-130

MAT 5080

50-Sn-130

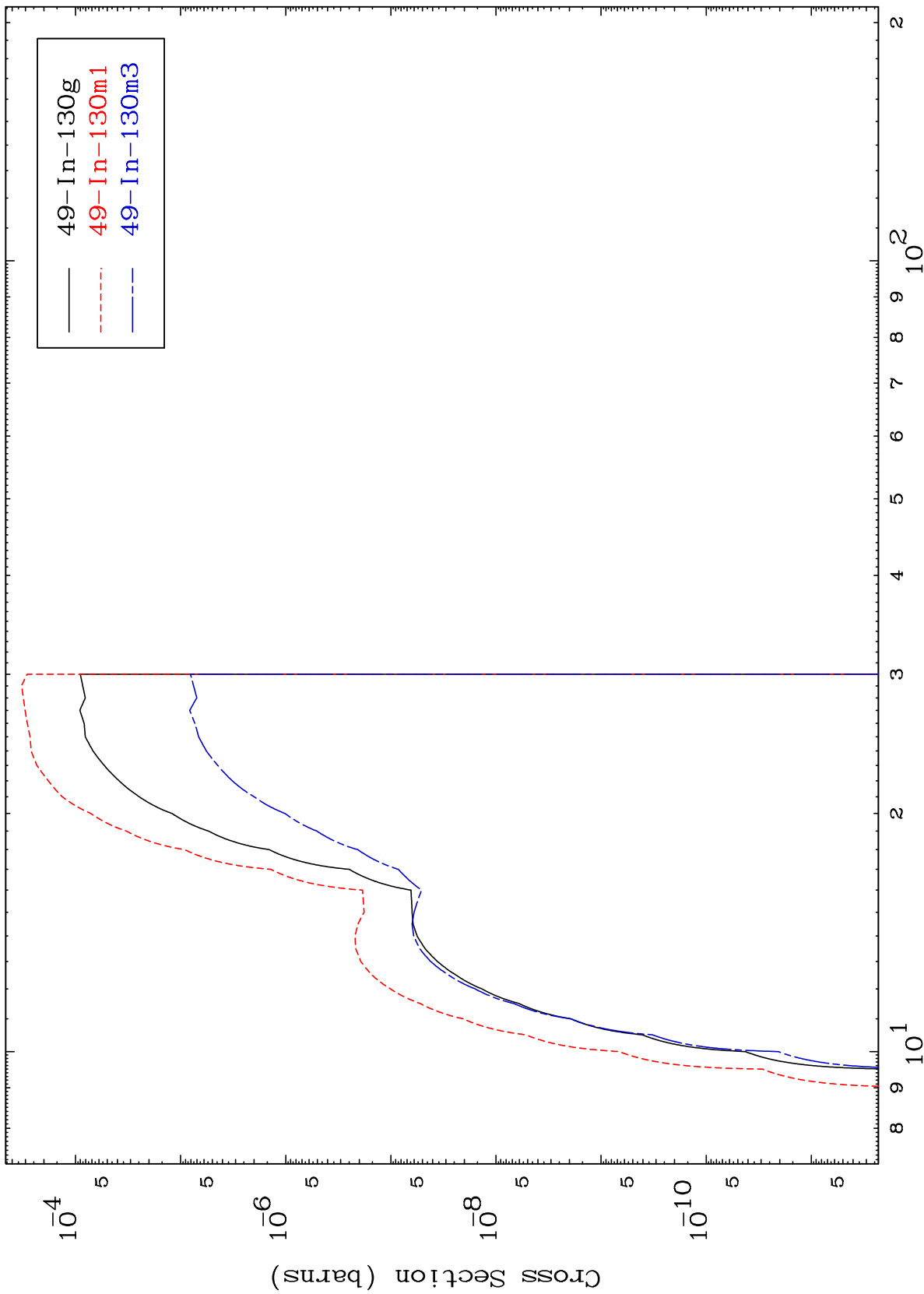
Radionuclide Production Cross Section
(n, γ)



MAT 5080

50-Sn-130

(n,p)
Radionuclide Production Cross Section



29

Incident Energy (MeV)

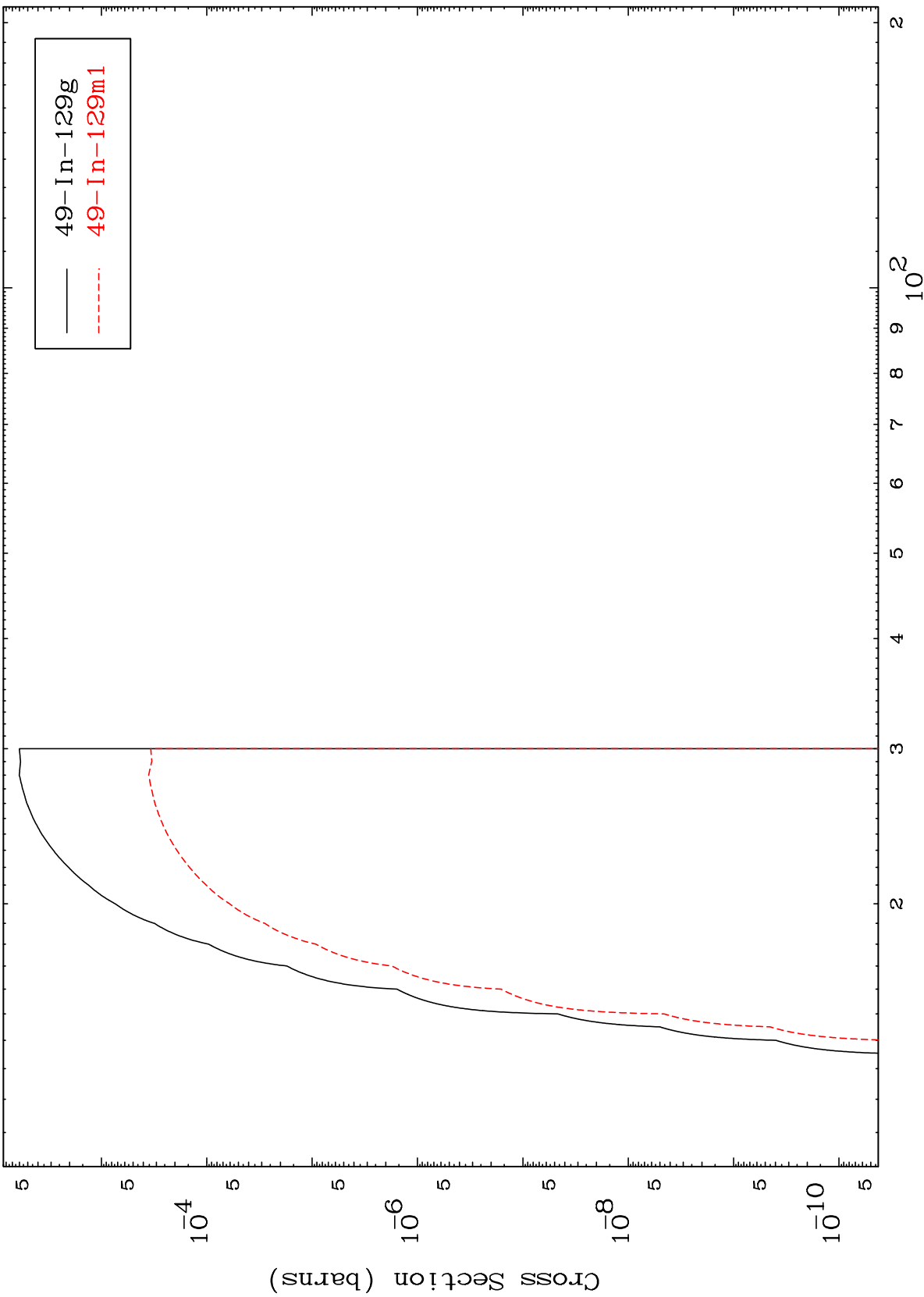
50-Sn-130

MAT 5080

(n,d)

50-Sn-130

Radionuclide Production Cross Section



30

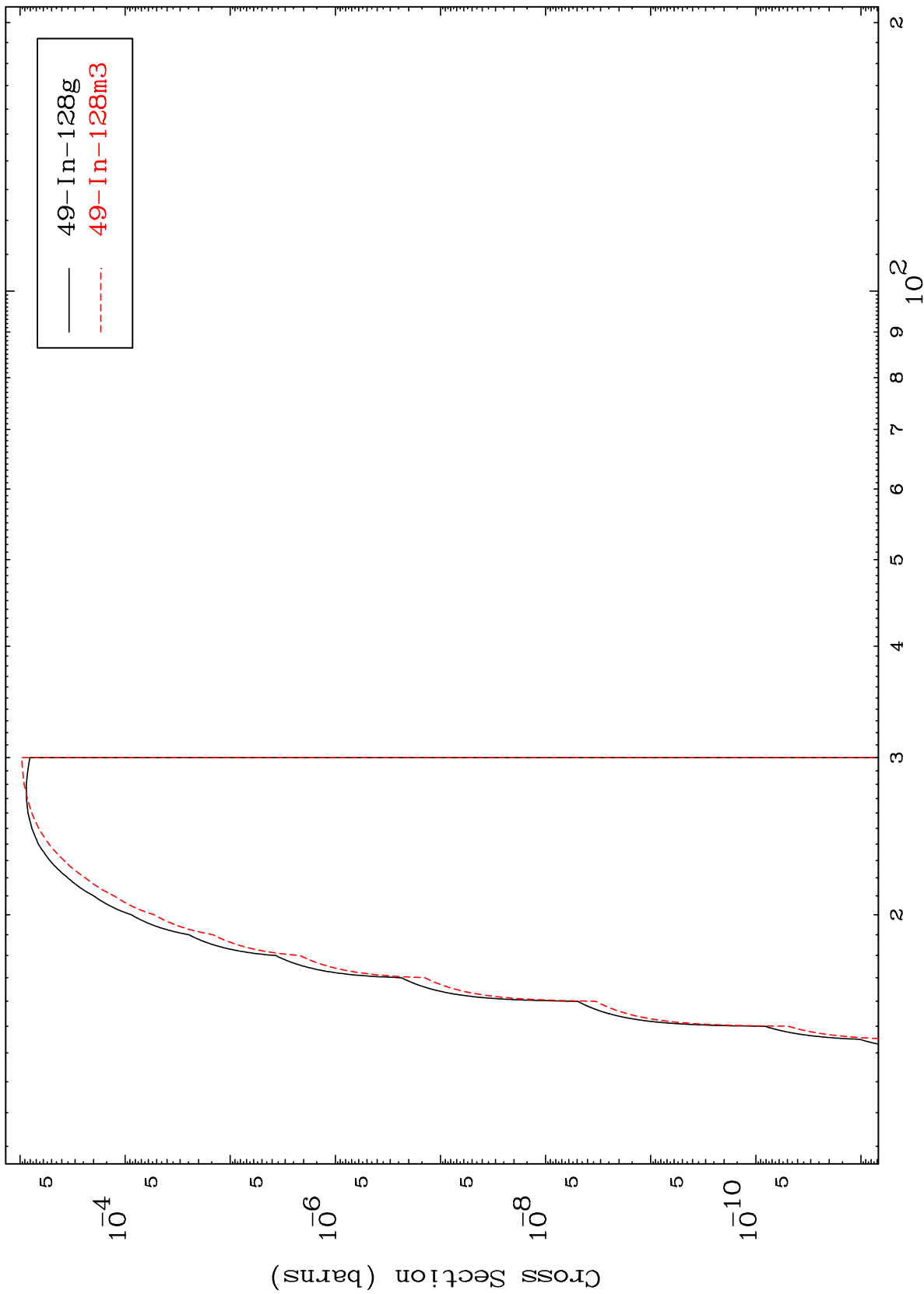
Incident Energy (MeV)

50-Sn-130

MAT 5080

50-Sn-130

(n,t)
Radionuclide Production Cross Section



49-In-128g
49-In-128m3

Incident Energy (MeV)

50-Sn-130

31