

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

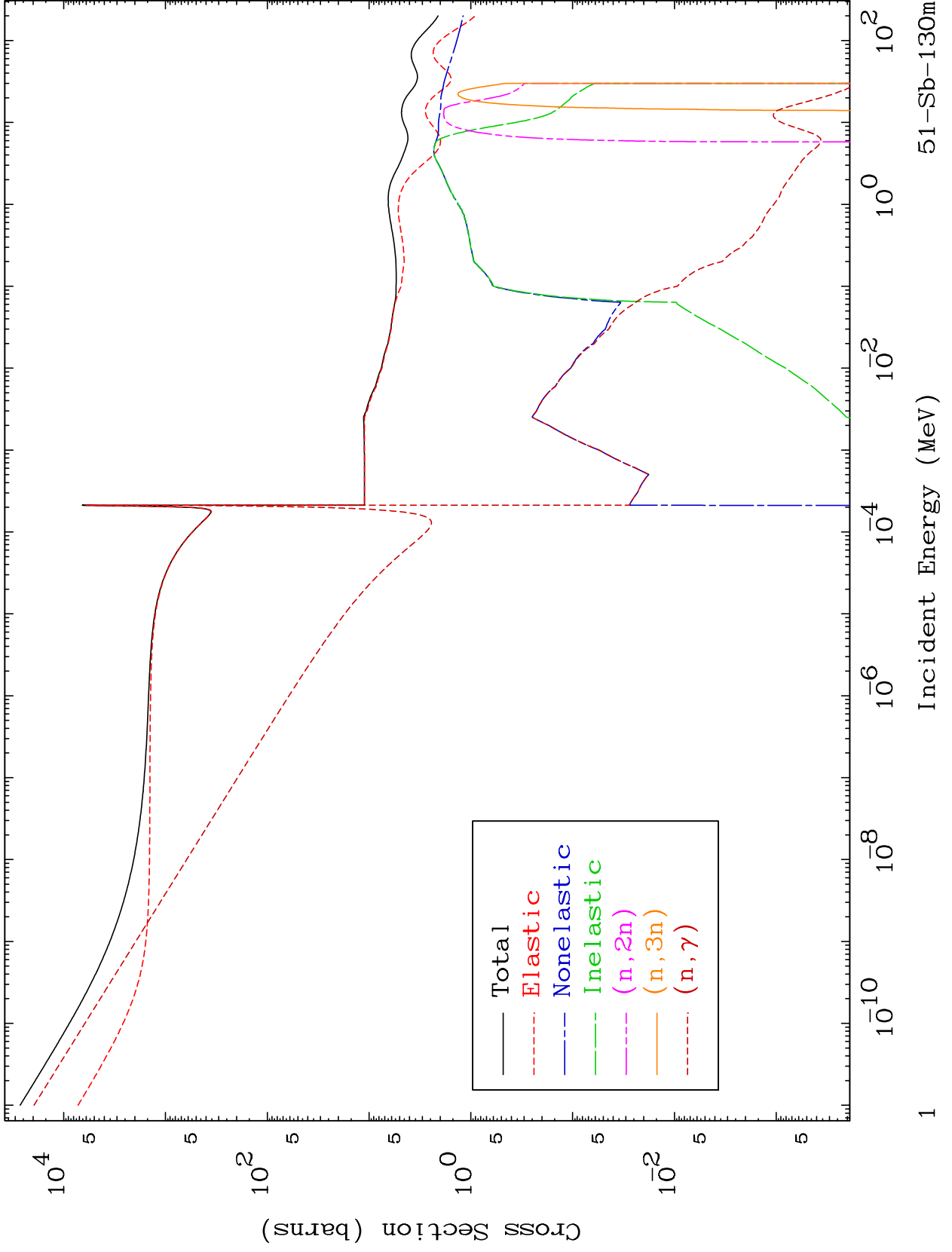
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5153

Neutron Major
293 Kelvin Cross Sections

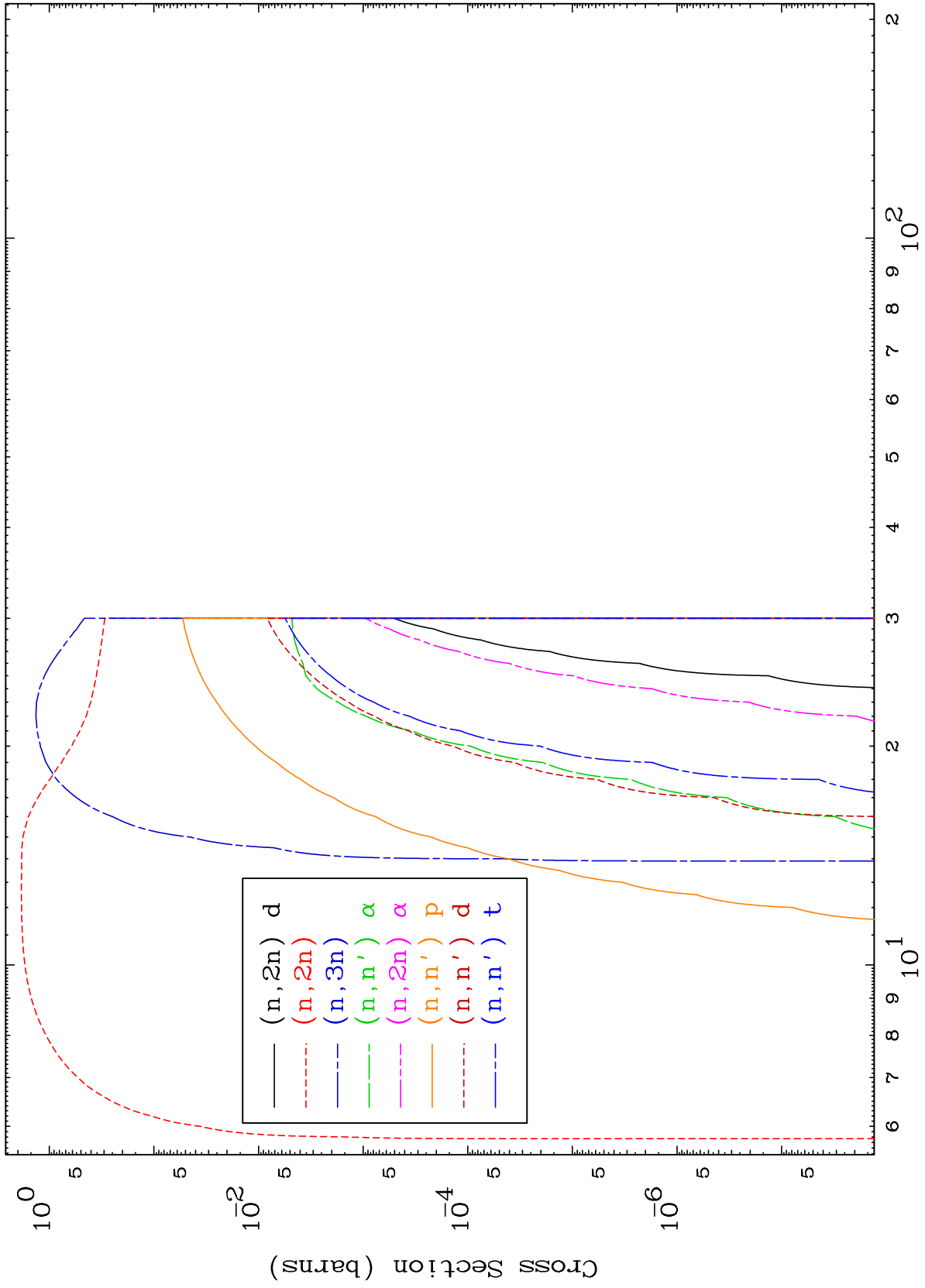
51-Sb-130m



MAT 5153

Neutron Absorption
293 Kelvin Cross Sections

51-Sb-130m



Incident Energy (MeV)

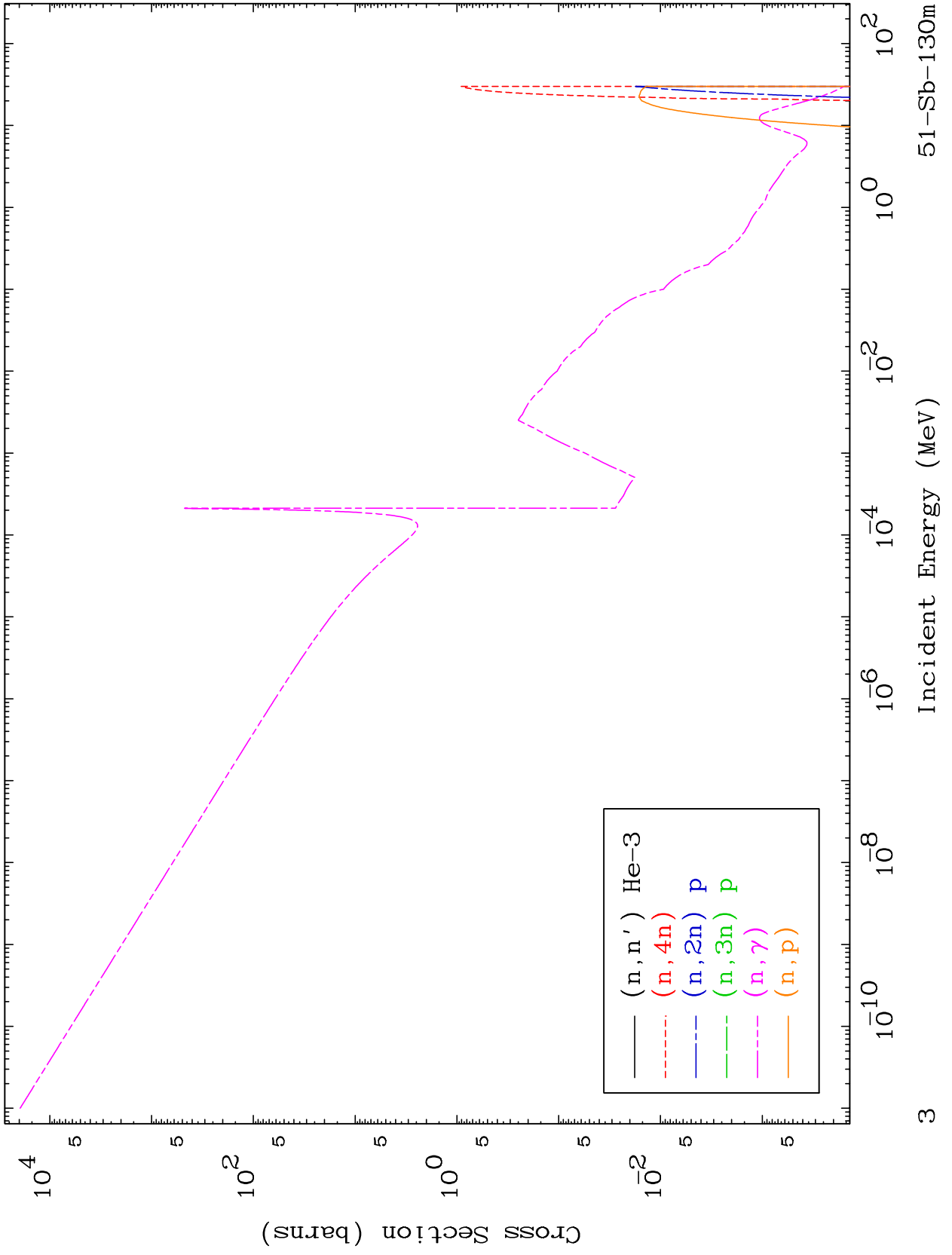
51-Sb-130m

2

MAT 5153

Neutron Absorption
293 Kelvin Cross Sections

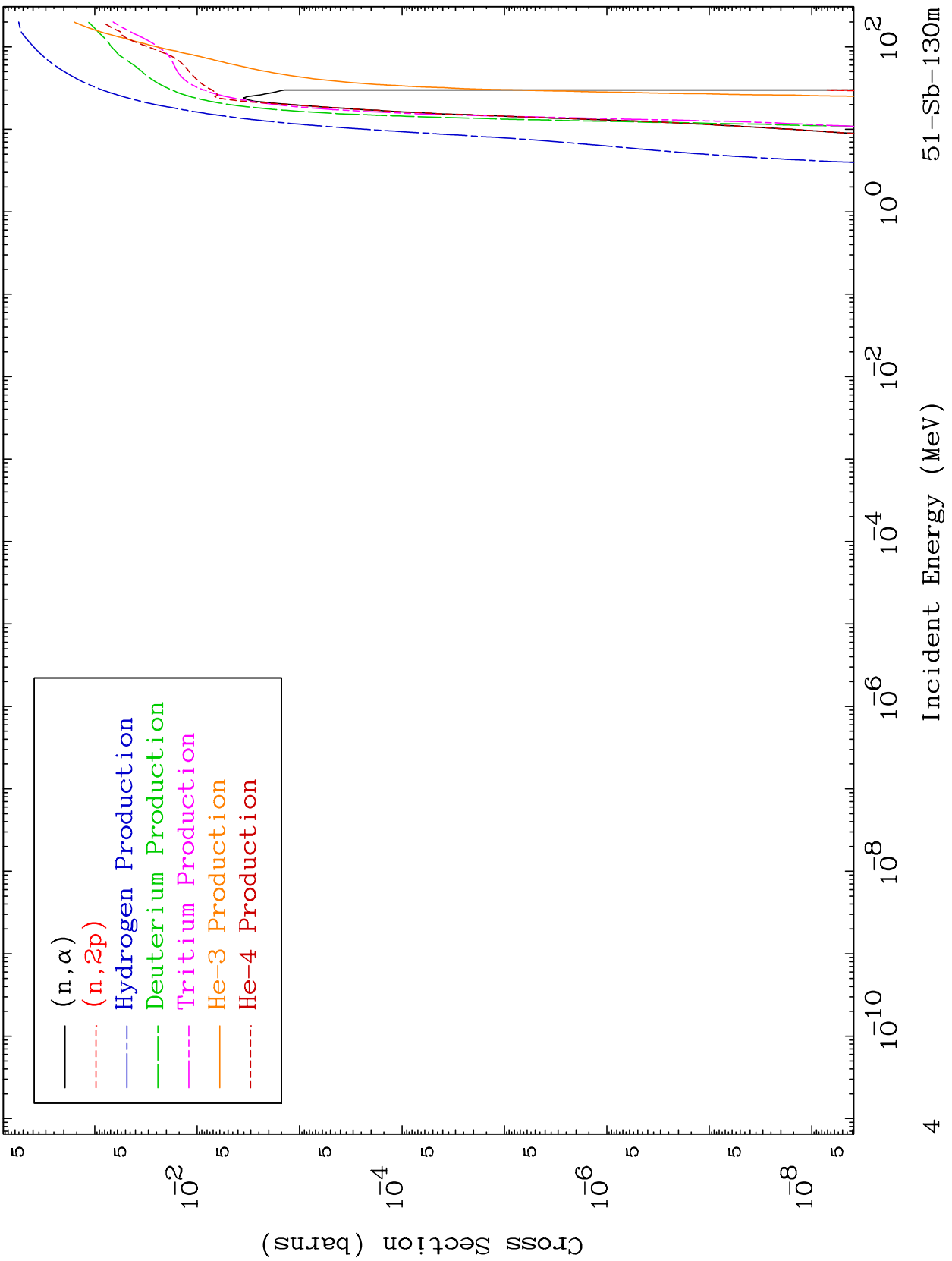
51-Sb-130m



MAT 5153

Neutron Absorption
293 Kelvin Cross Sections

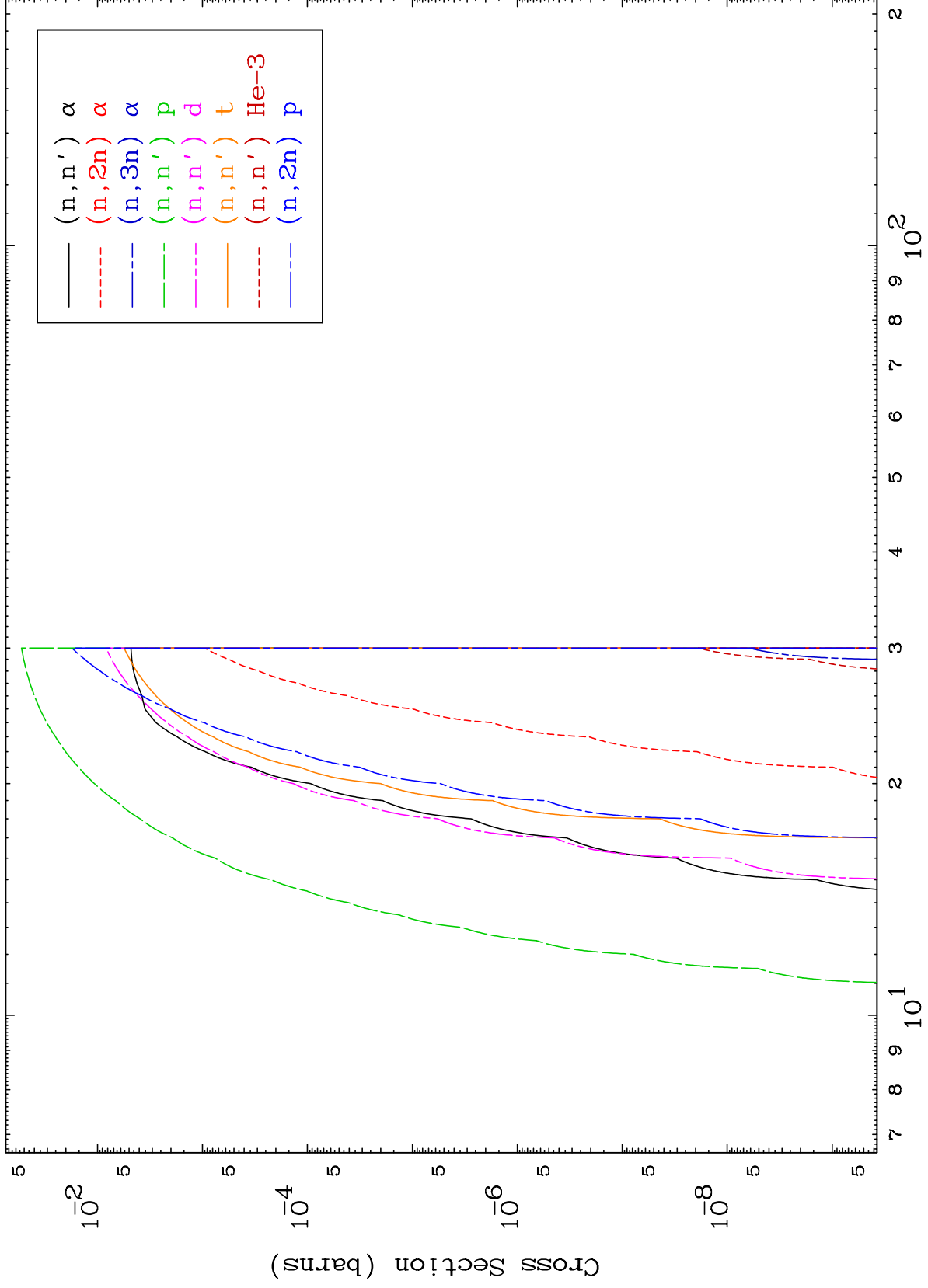
51-Sb-130m



MAT 5153

Charged Particle
293 Kelvin Cross Sections

51-Sb-130m



5

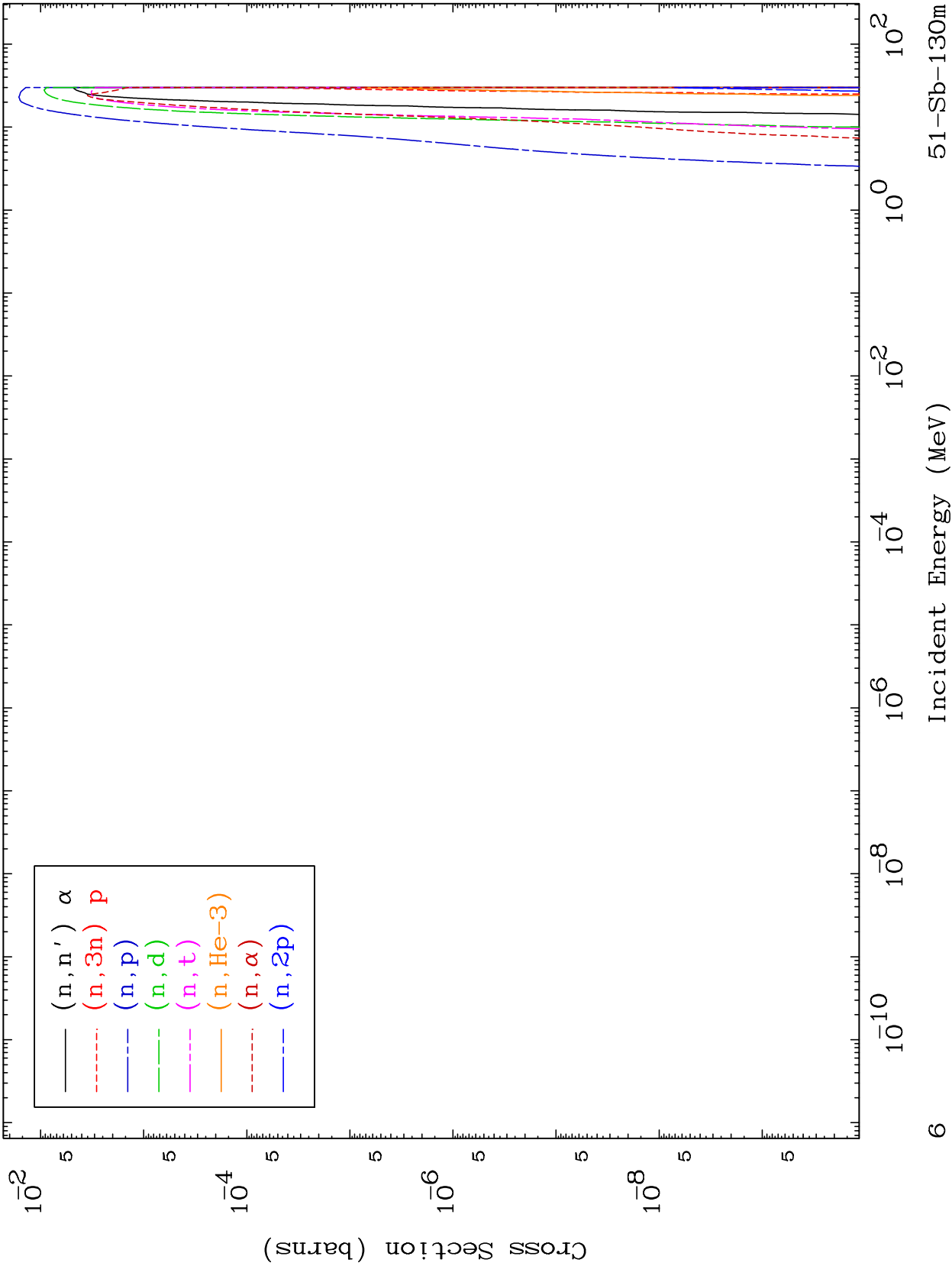
Incident Energy (MeV)

51-Sb-130m

MAT 5153

Charged Particle
293 Kelvin Cross Sections

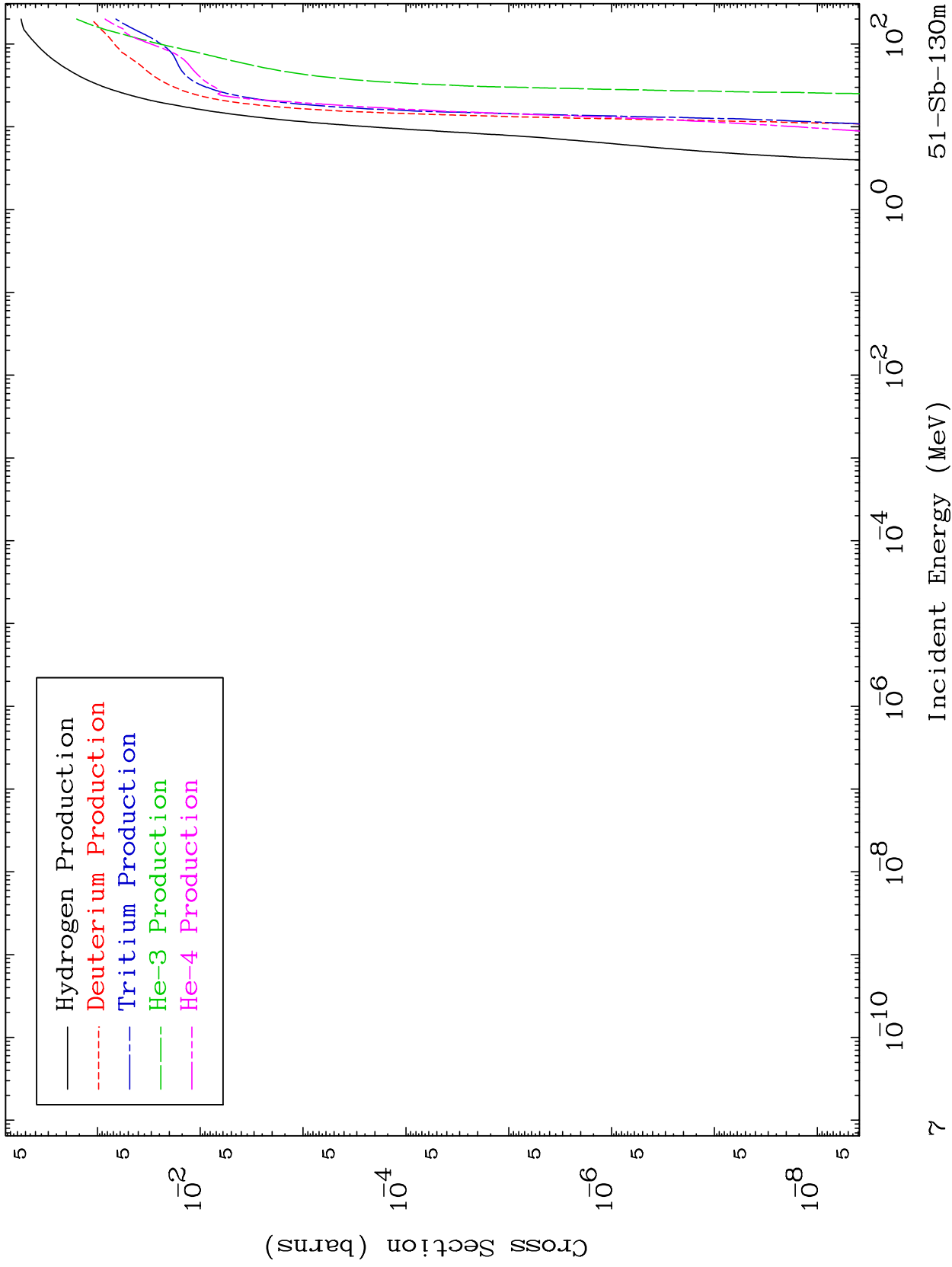
51-Sb-130m



MAT 5153

Particle Production
293 Kelvin Cross Sections

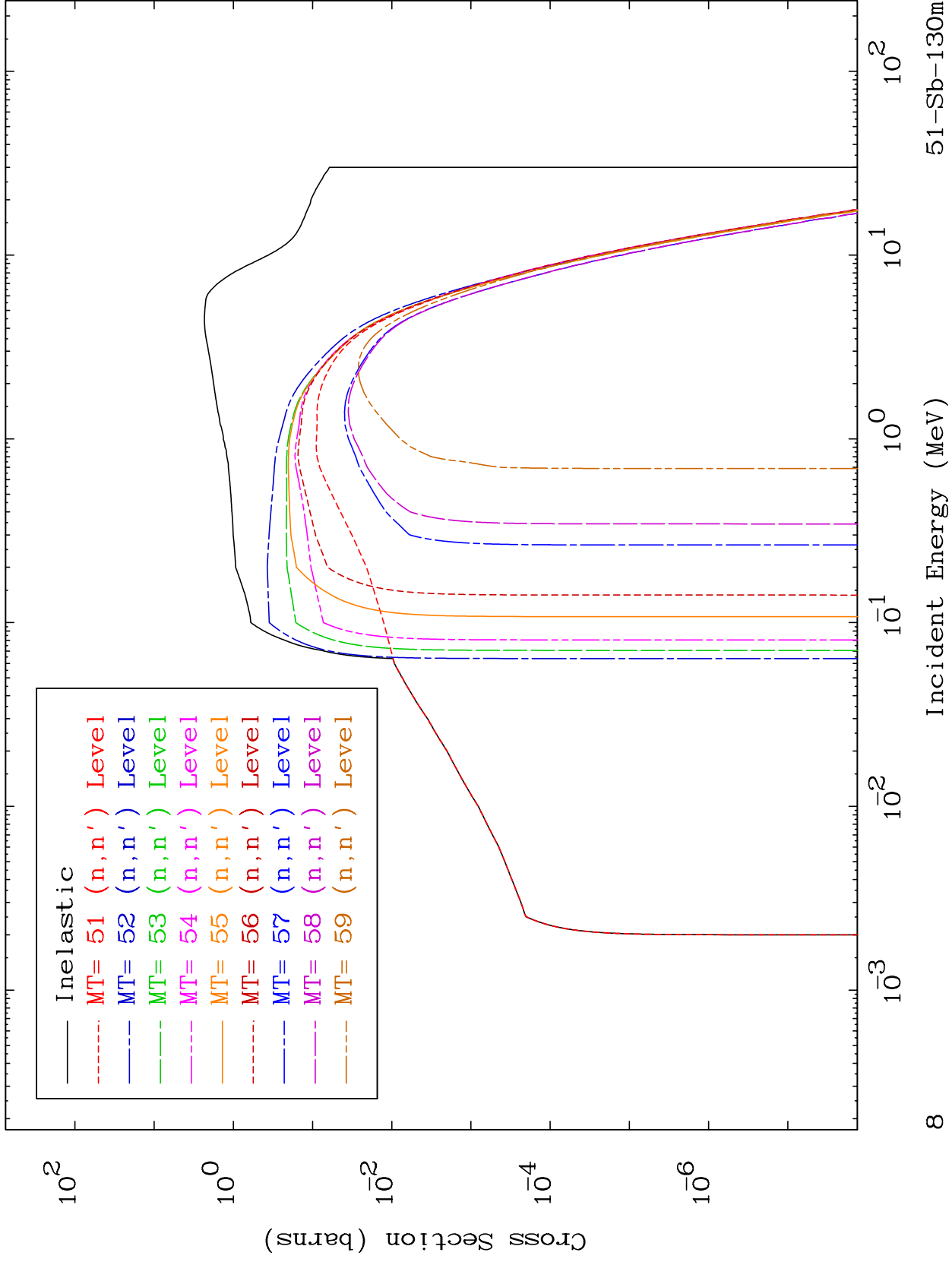
51-Sb-130m



MAT 5153

(n,n') Levels
293 Kelvin Cross Sections

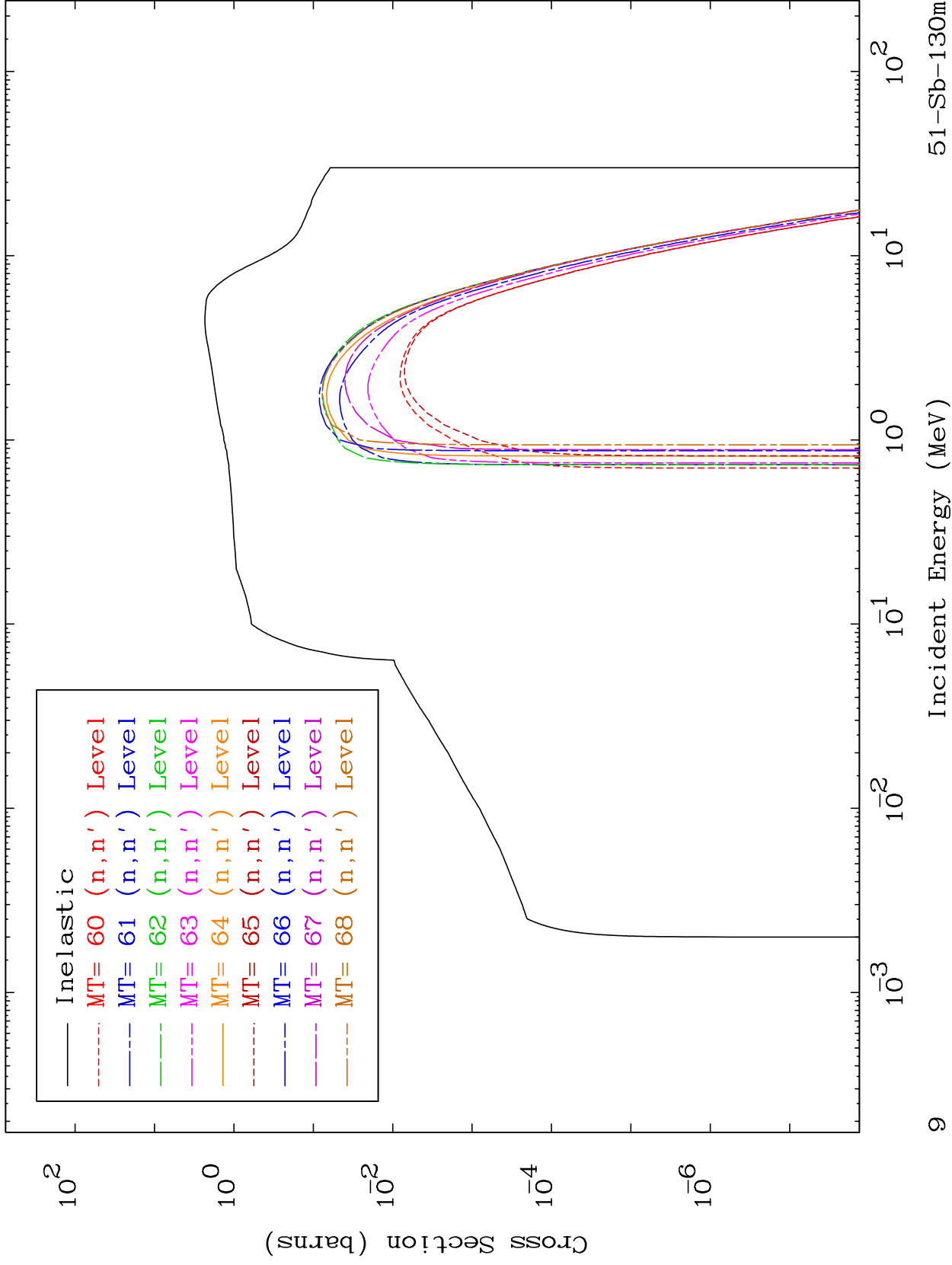
51-Sb-130m



MAT 5153

(n,n') Levels
293 Kelvin Cross Sections

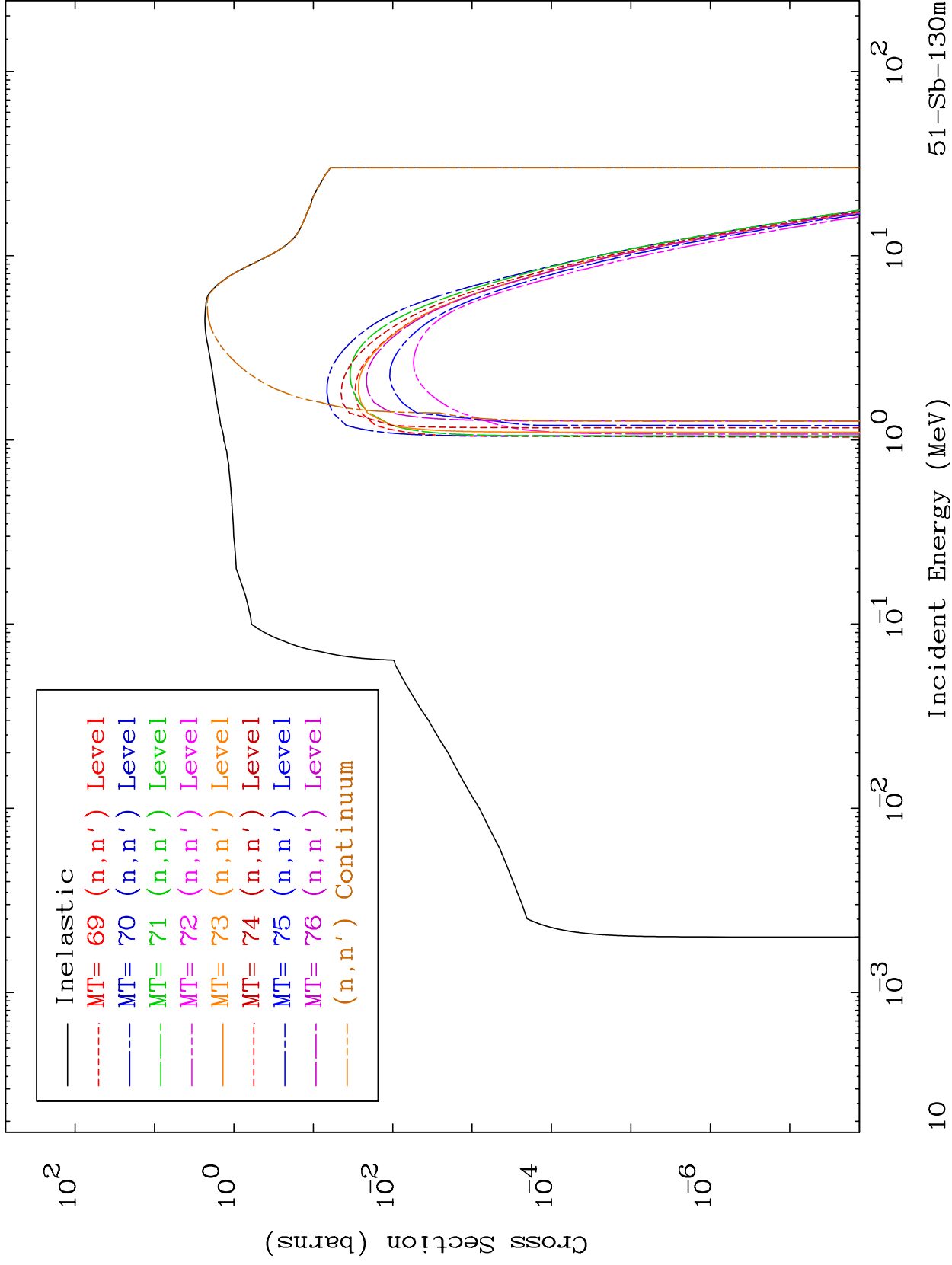
51-Sb-130m



MAT 5153

(n,n') Levels
293 Kelvin Cross Sections

51-Sb-130m



10

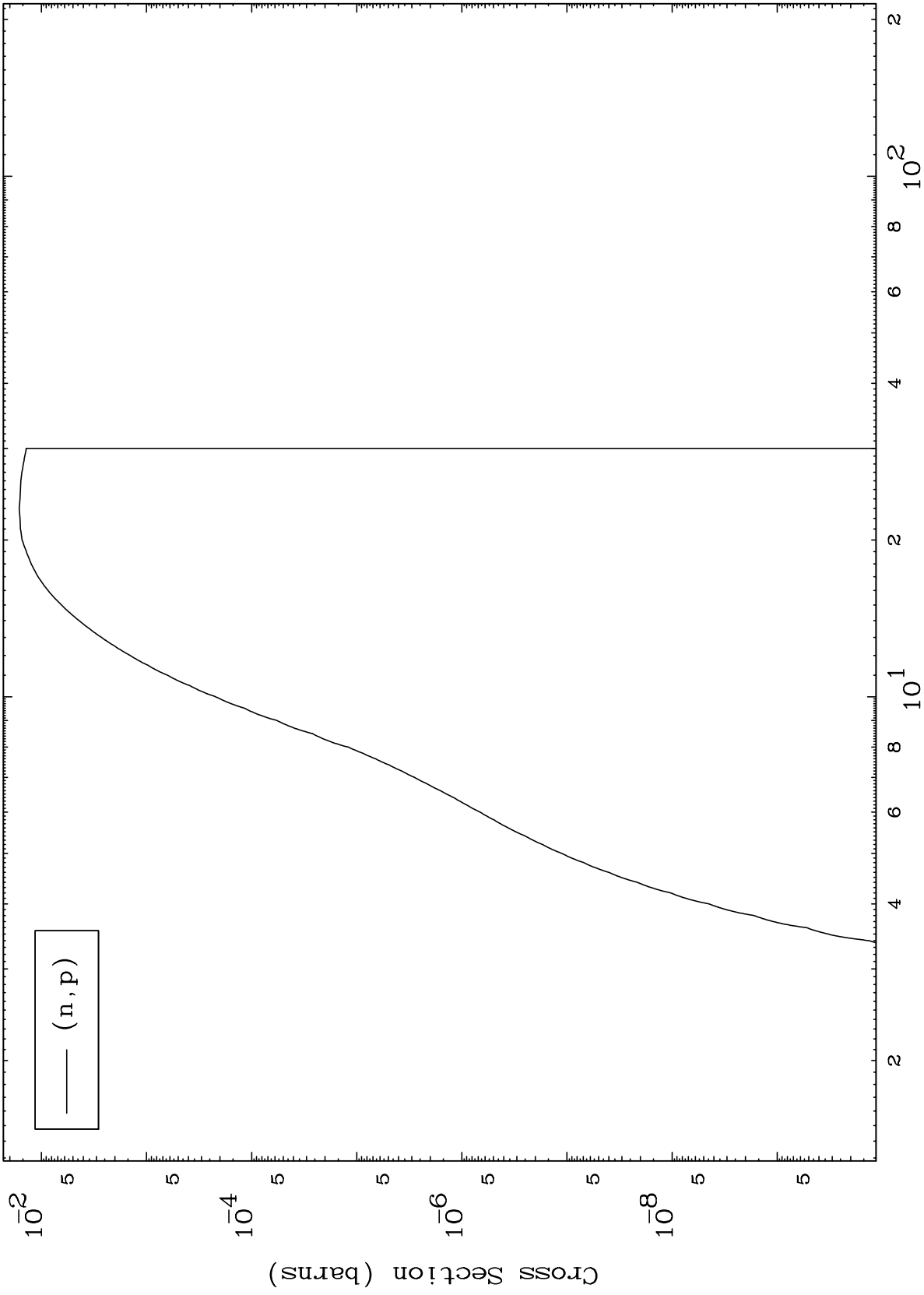
Incident Energy (MeV)

51-Sb-130m

MAT 5153

(n,p) Levels
293 Kelvin Cross Sections

51-Sb-130m



11

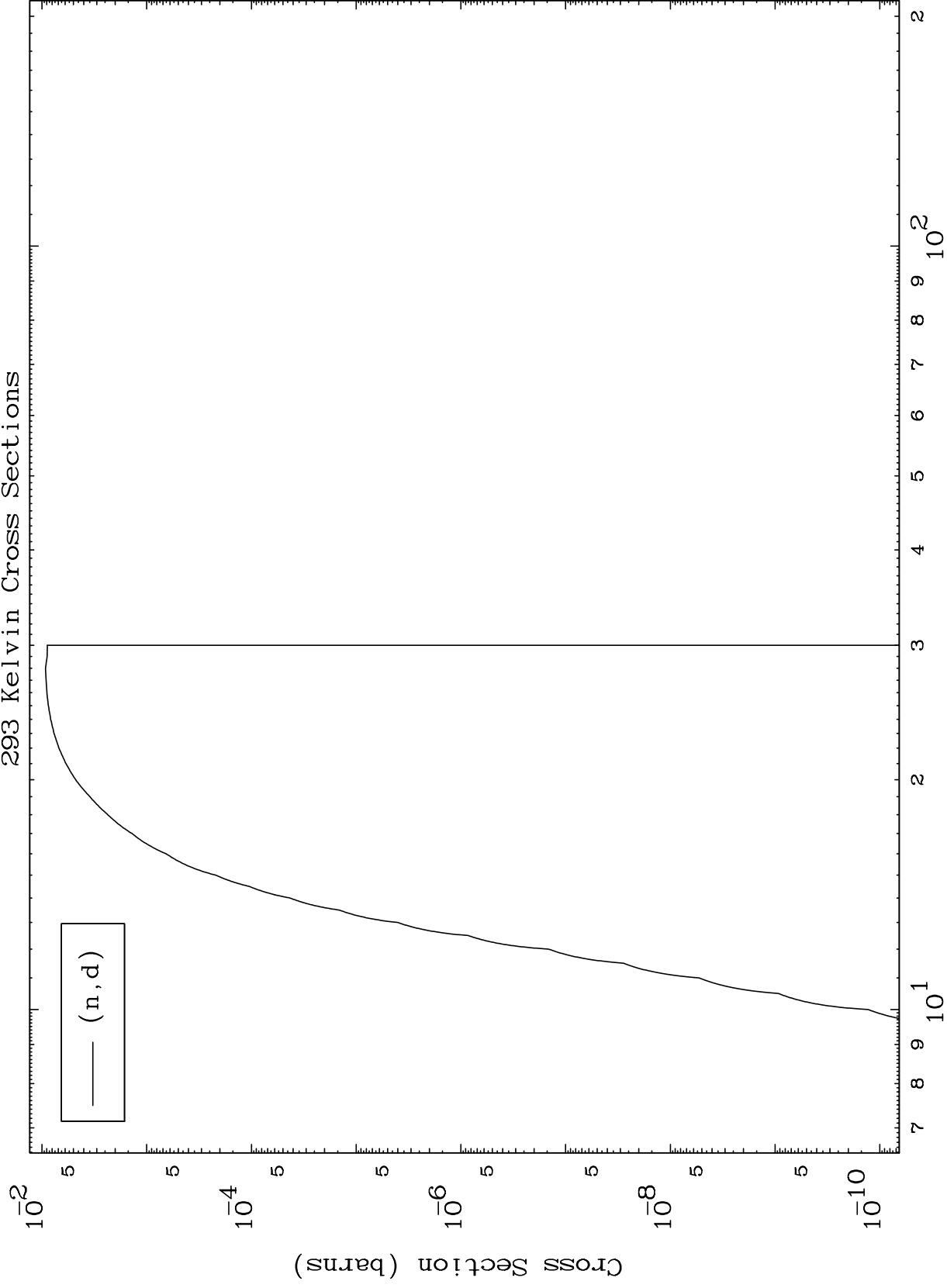
Incident Energy (MeV)

51-Sb-130m

MAT 5153

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-130m



12

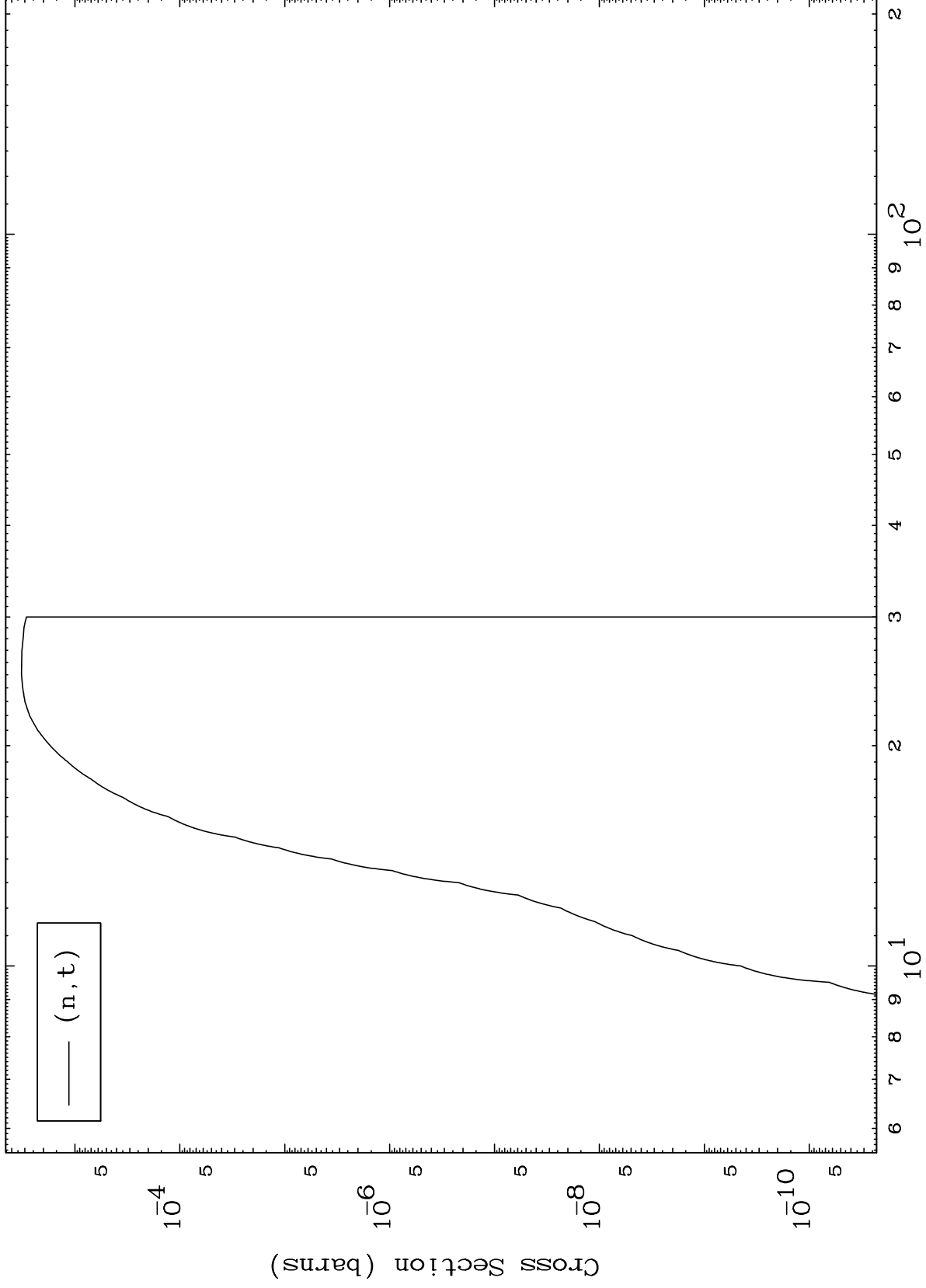
Incident Energy (MeV)

51-Sb-130m

MAT 5153

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-130m



13

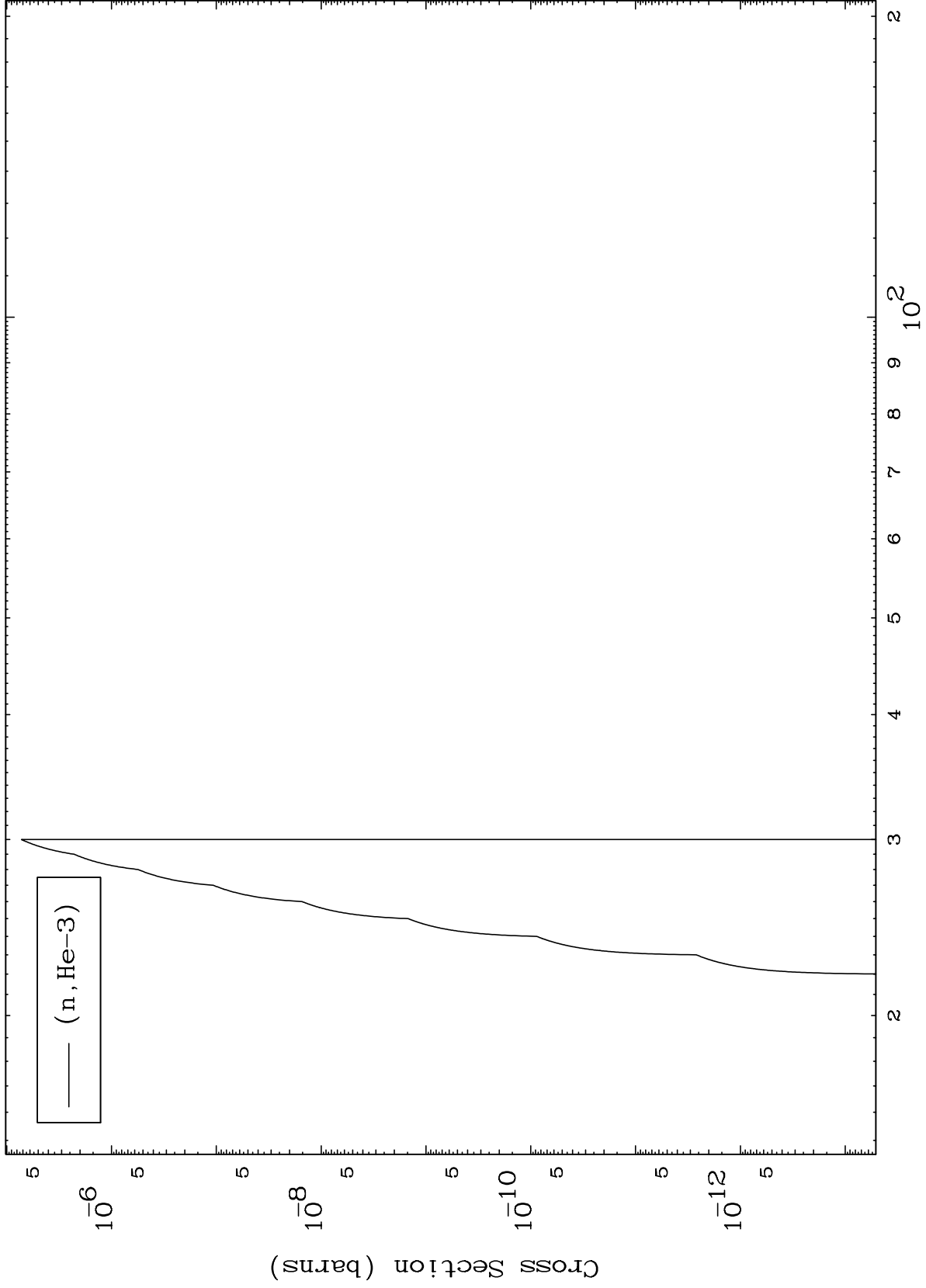
Incident Energy (MeV)

51-Sb-130m

MAT 5153

(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-130m



14

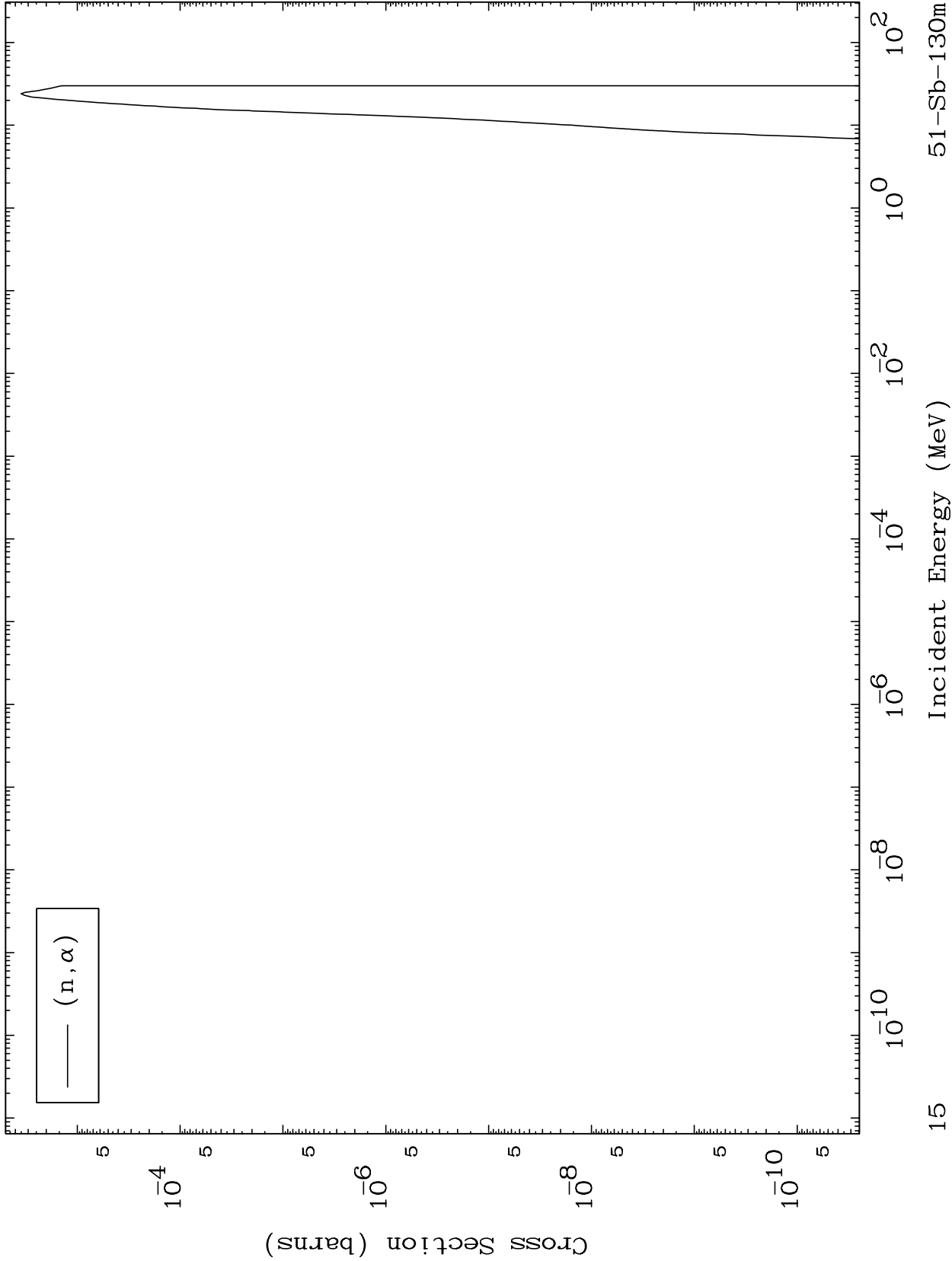
Incident Energy (MeV)

51-Sb-130m

MAT 5153

(n, α) Levels
293 Kelvin Cross Sections

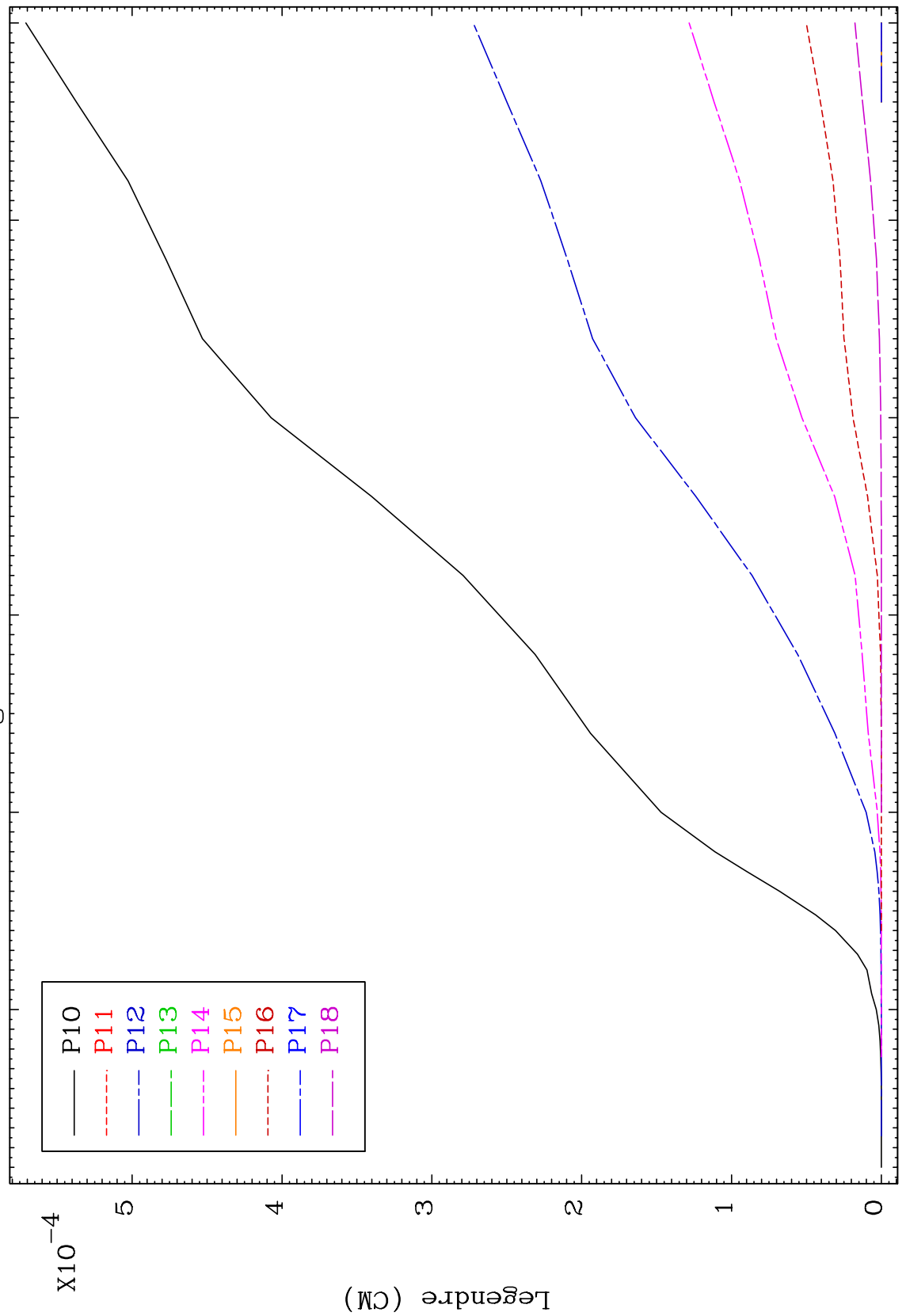
51-Sb-130m



MAT 5153

Elastic Legendre Coefficients

51-Sb-130m



17

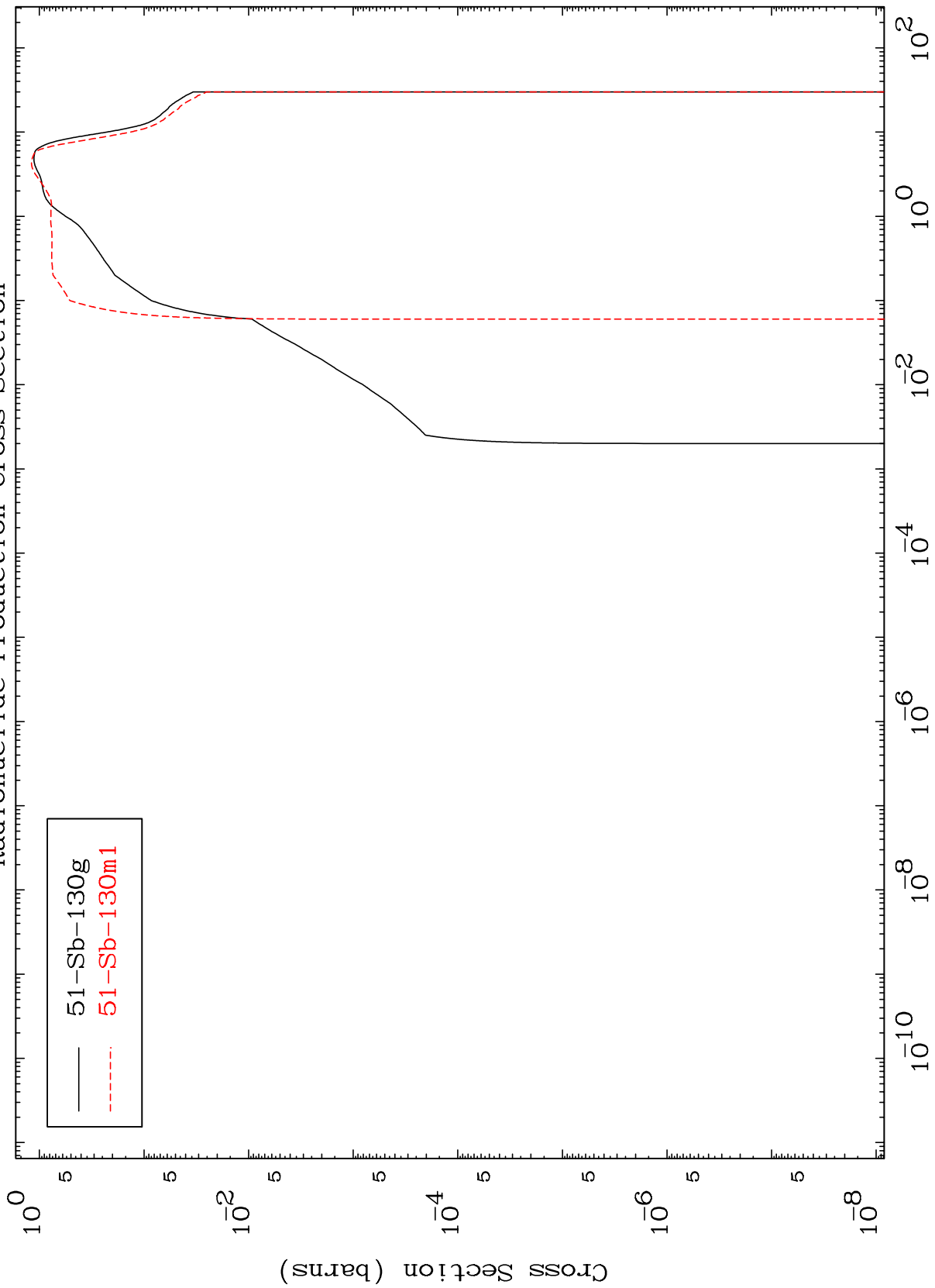
Incident Energy (MeV)

51-Sb-130m

MAT 5153

51-Sb-130m

Inelastic
Radionuclide Production Cross Section



51-Sb-130g
51-Sb-130m1

51-Sb-130m

Incident Energy (MeV)

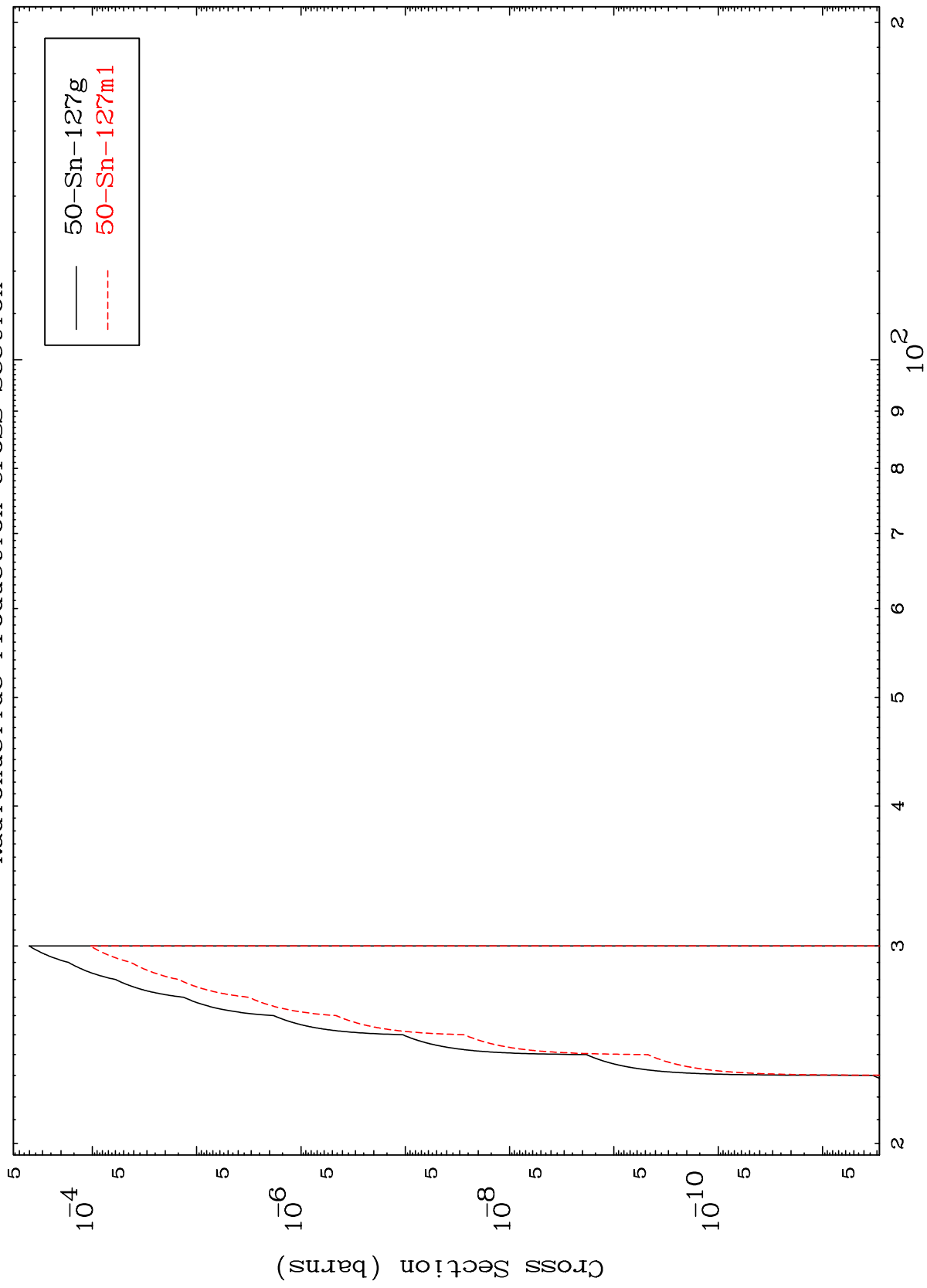
19

MAT 5153

(n,2n) d

51-Sb-130m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

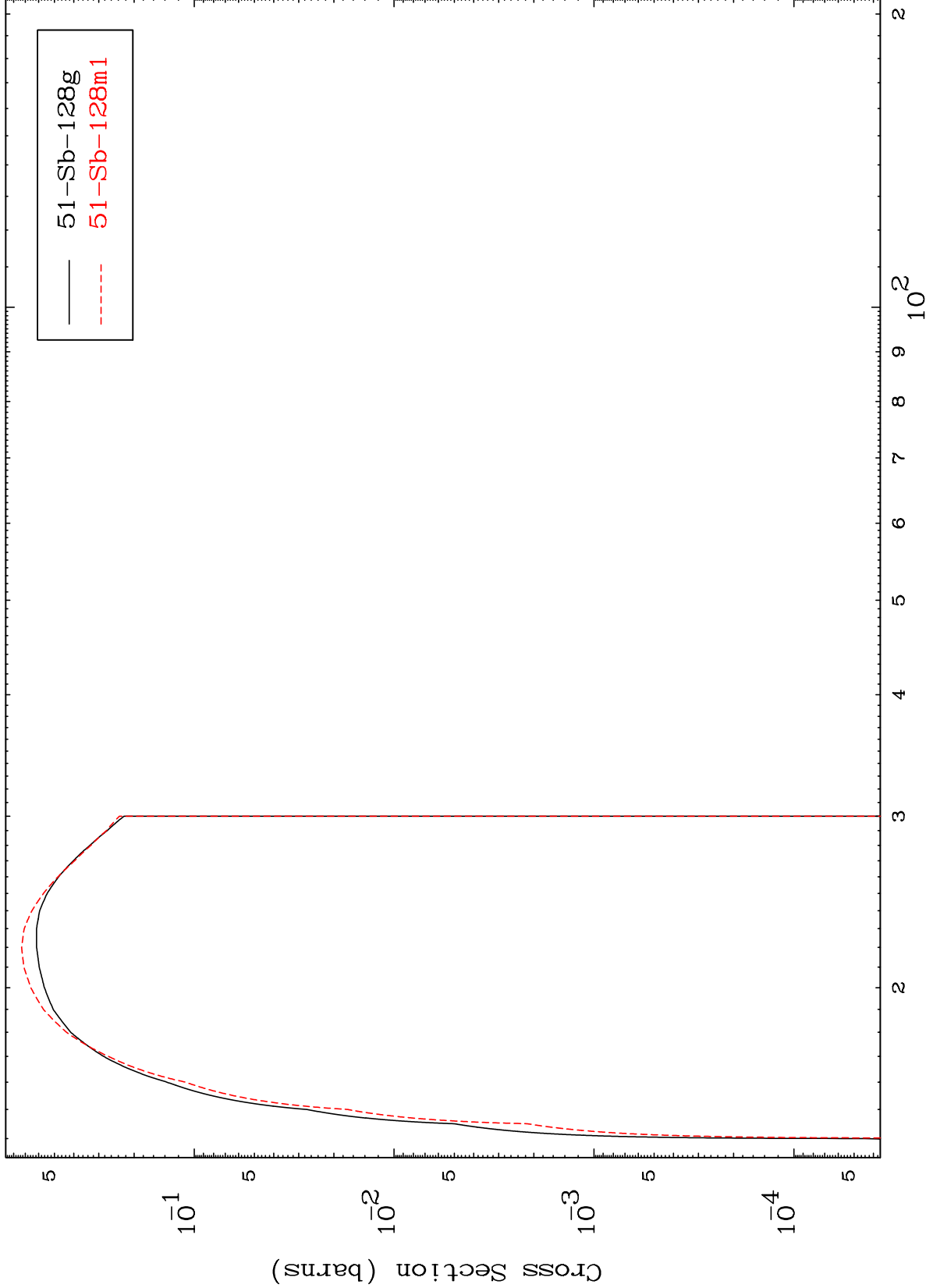
51-Sb-130m

MAT 5153

(n,3n)

51-Sb-130m

Radionuclide Production Cross Section

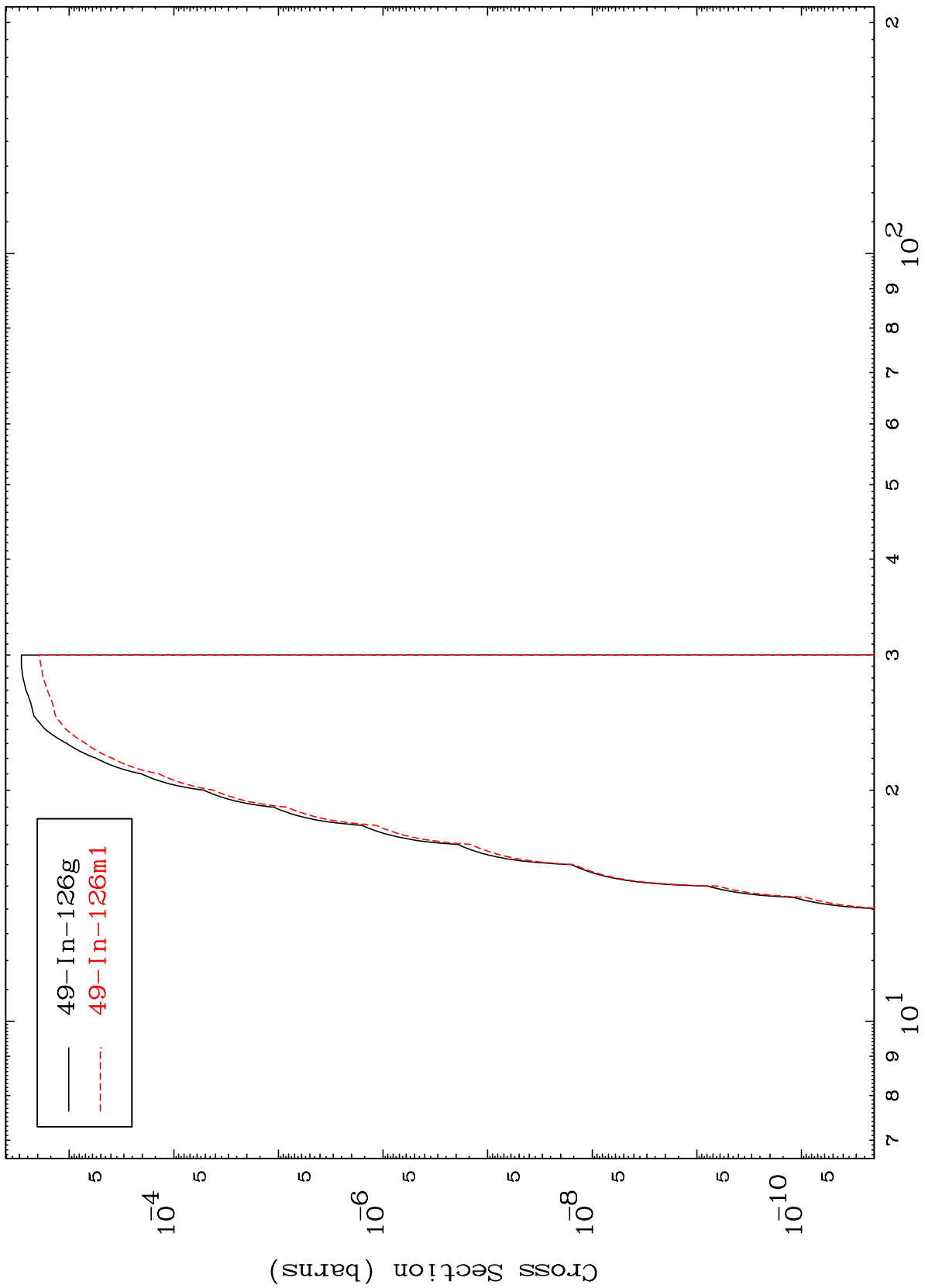


MAT 5153

$(n, n') \alpha$

51-Sb-130m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

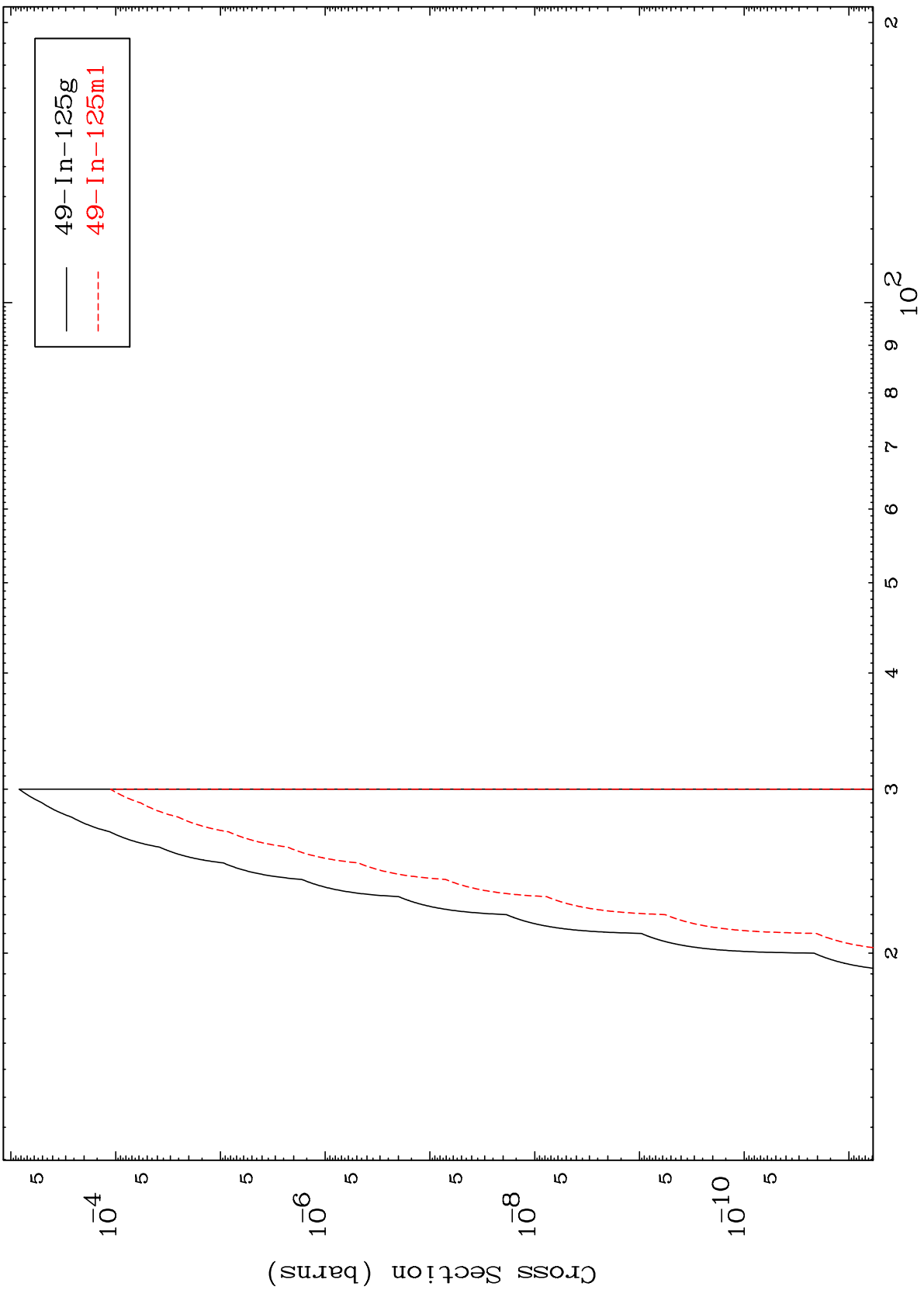
51-Sb-130m

MAT 5153

$(n,2n) \alpha$

51-Sb-130m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

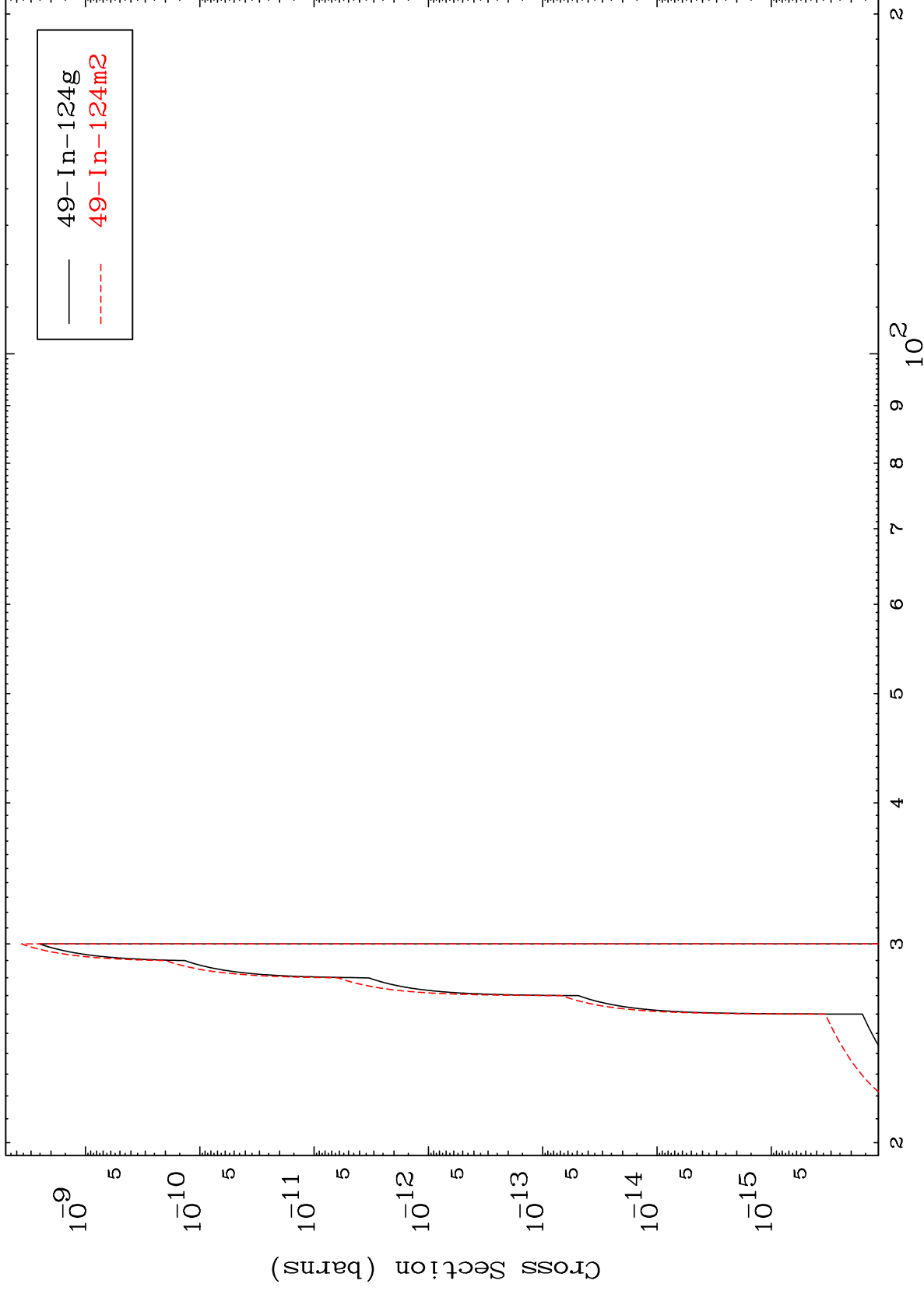
51-Sb-130m

MAT 5153

(n,3n) α

51-Sb-130m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

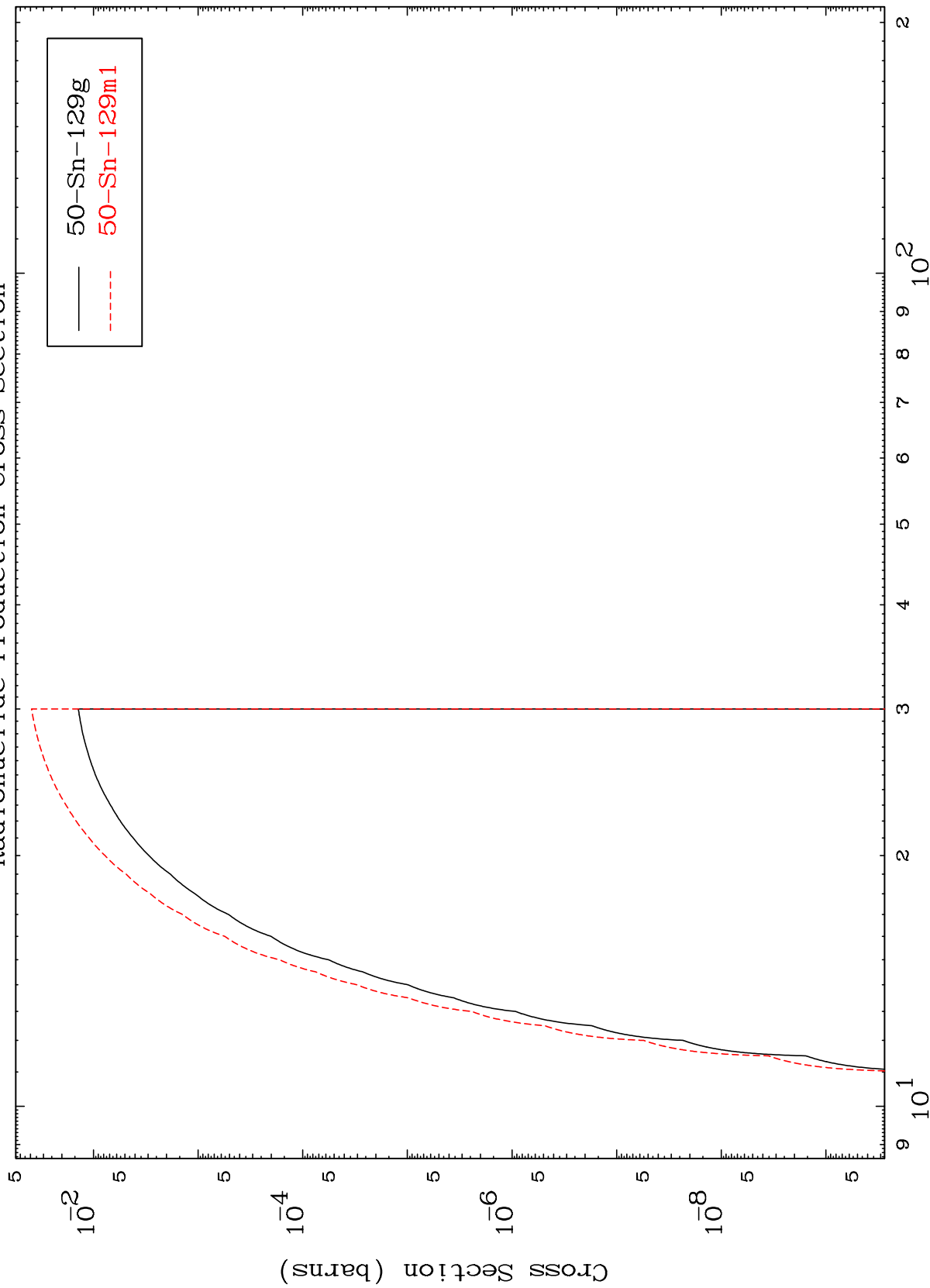
51-Sb-130m

MAT 5153

(n,n') p

51-Sb-130m

Radionuclide Production Cross Section



Incident Energy (MeV)

51-Sb-130m

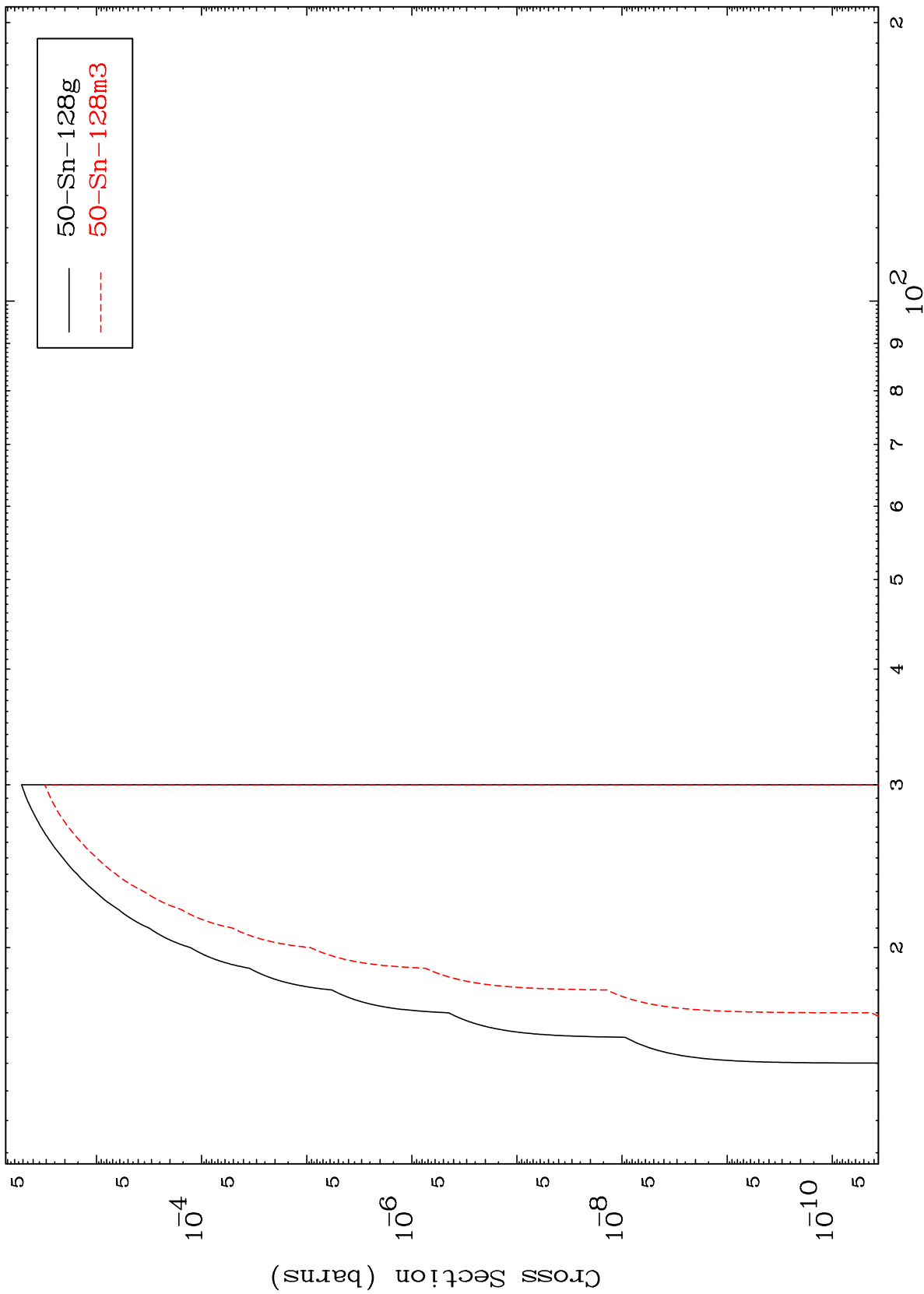
25

MAT 5153

(n,n') d

51-Sb-130m

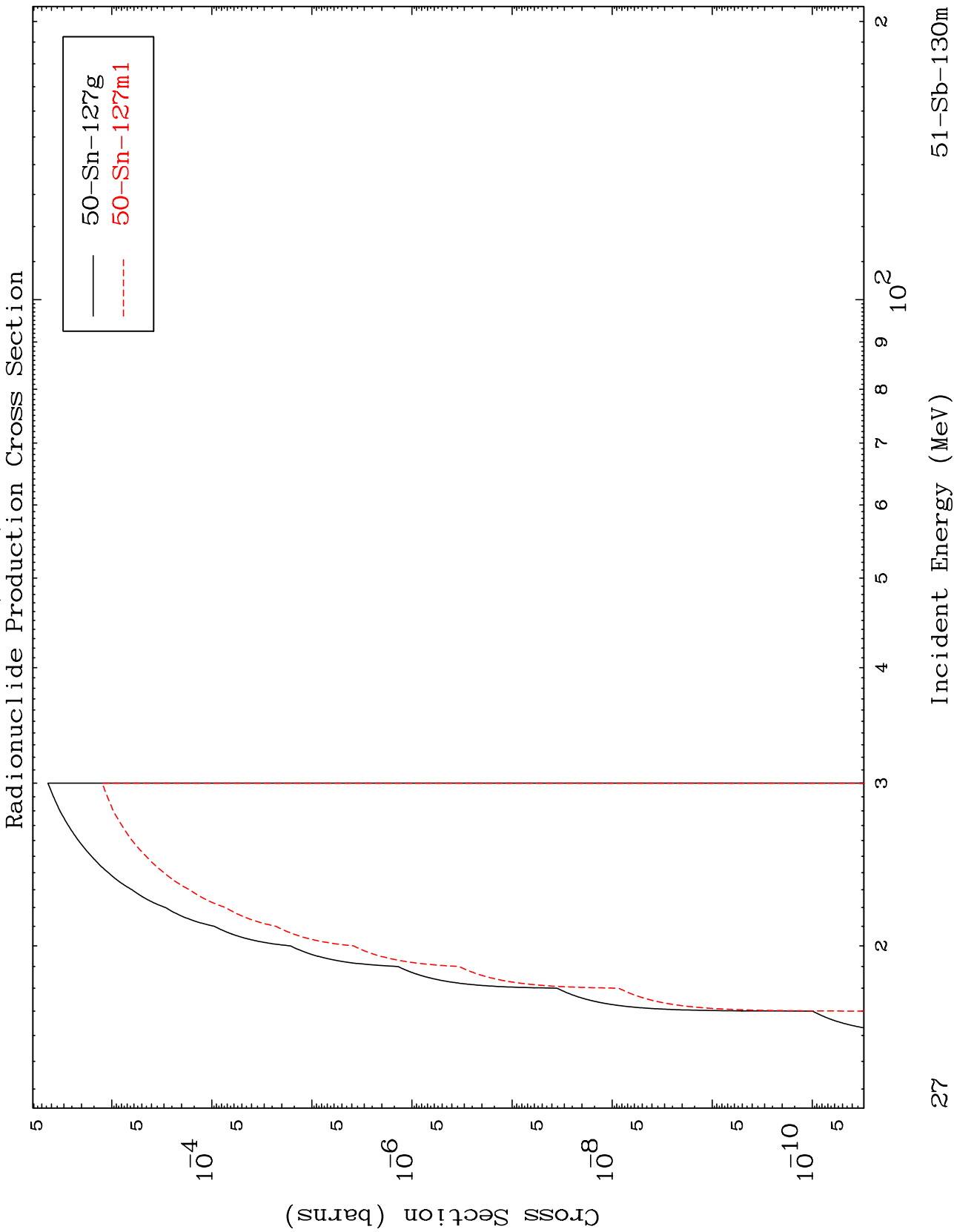
Radionuclide Production Cross Section



26

Incident Energy (MeV)

51-Sb-130m

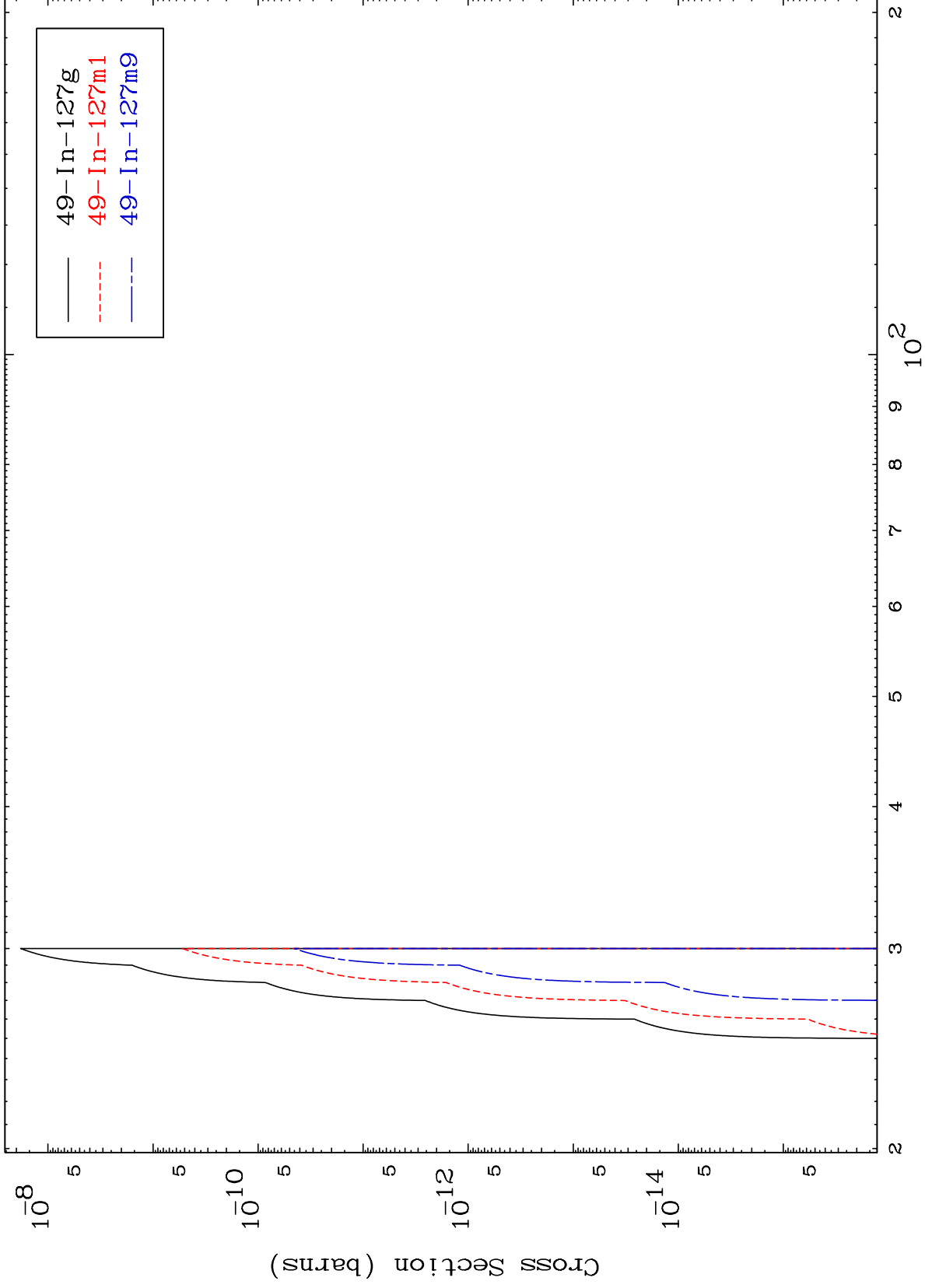


MAT 5153

(n,n') He-3

51-Sb-130m

Radionuclide Production Cross Section



28

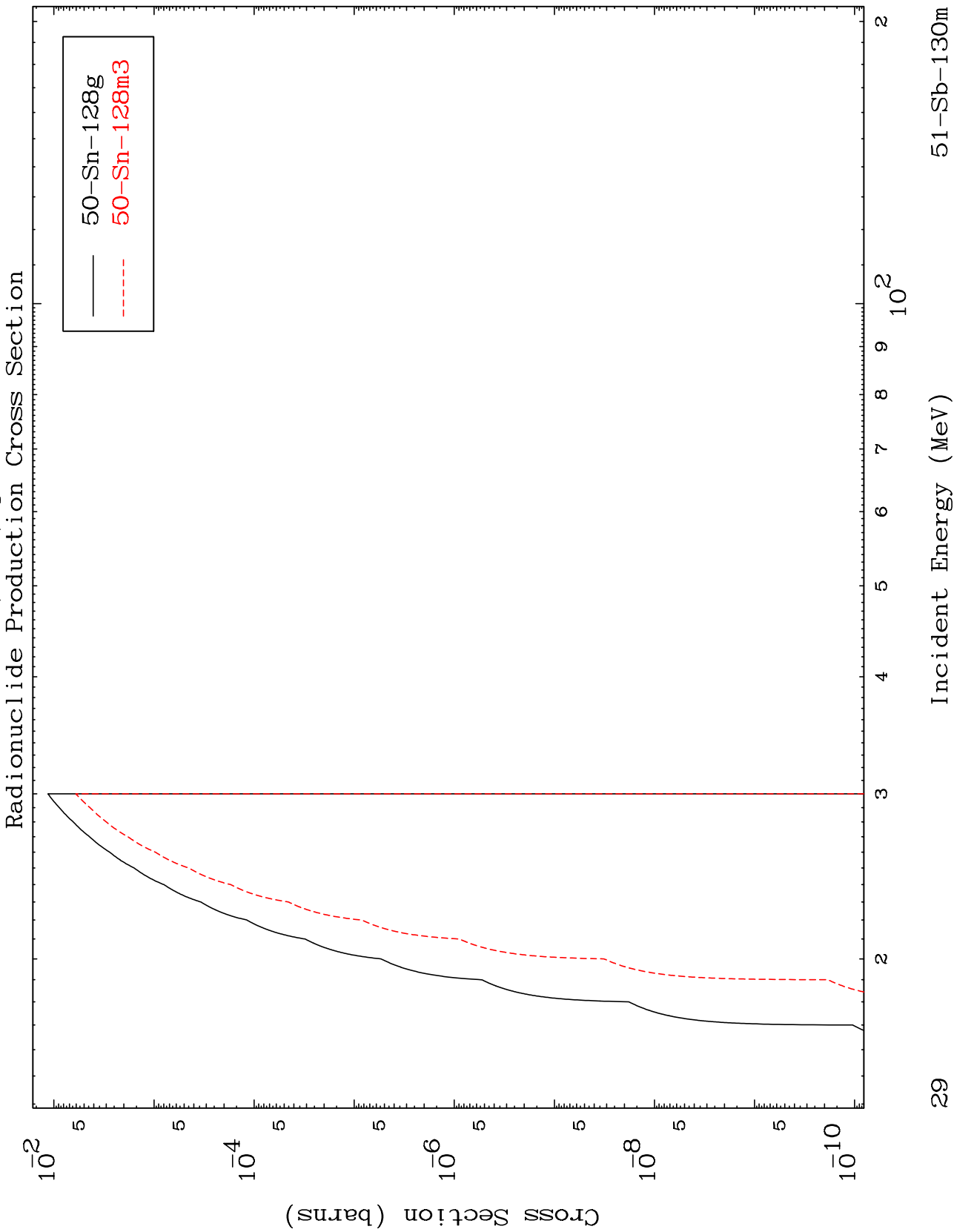
Incident Energy (MeV)

51-Sb-130m

MAT 5153

(n,2n) p

51-Sb-130m

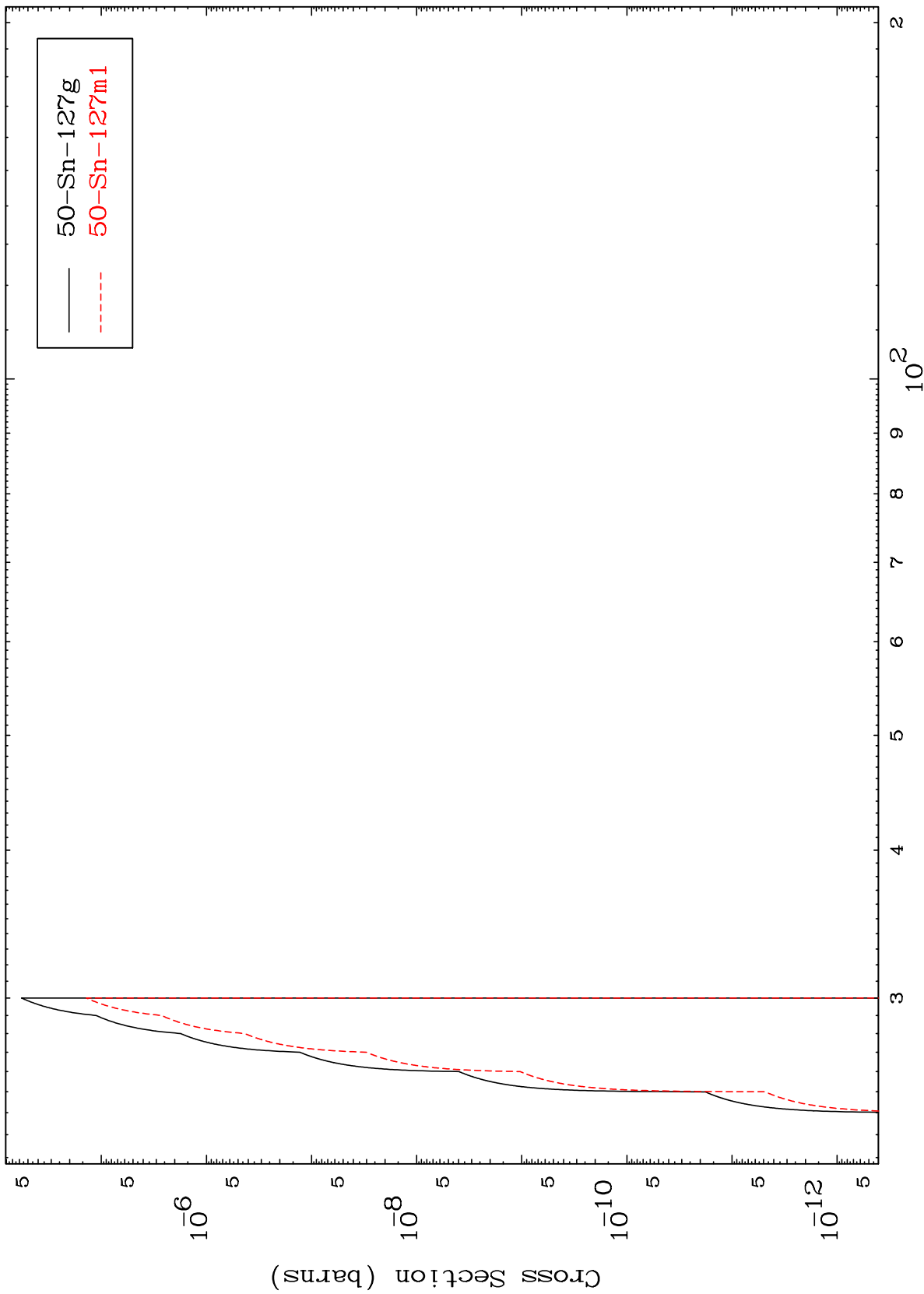


MAT 5153

(n,3n) p

51-Sb-130m

Radionuclide Production Cross Section



30

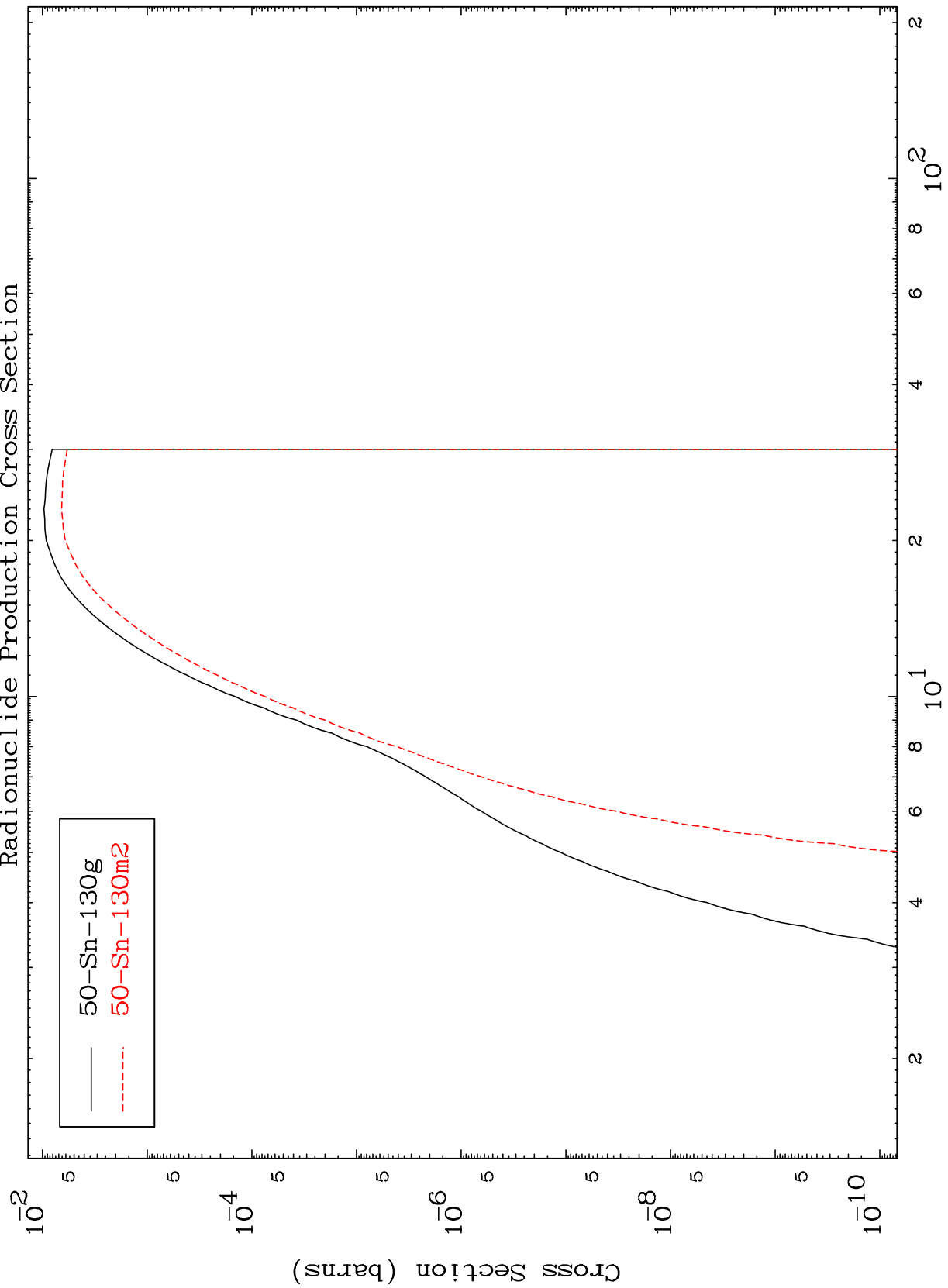
Incident Energy (MeV)

51-Sb-130m

MAT 5153

51-Sb-130m

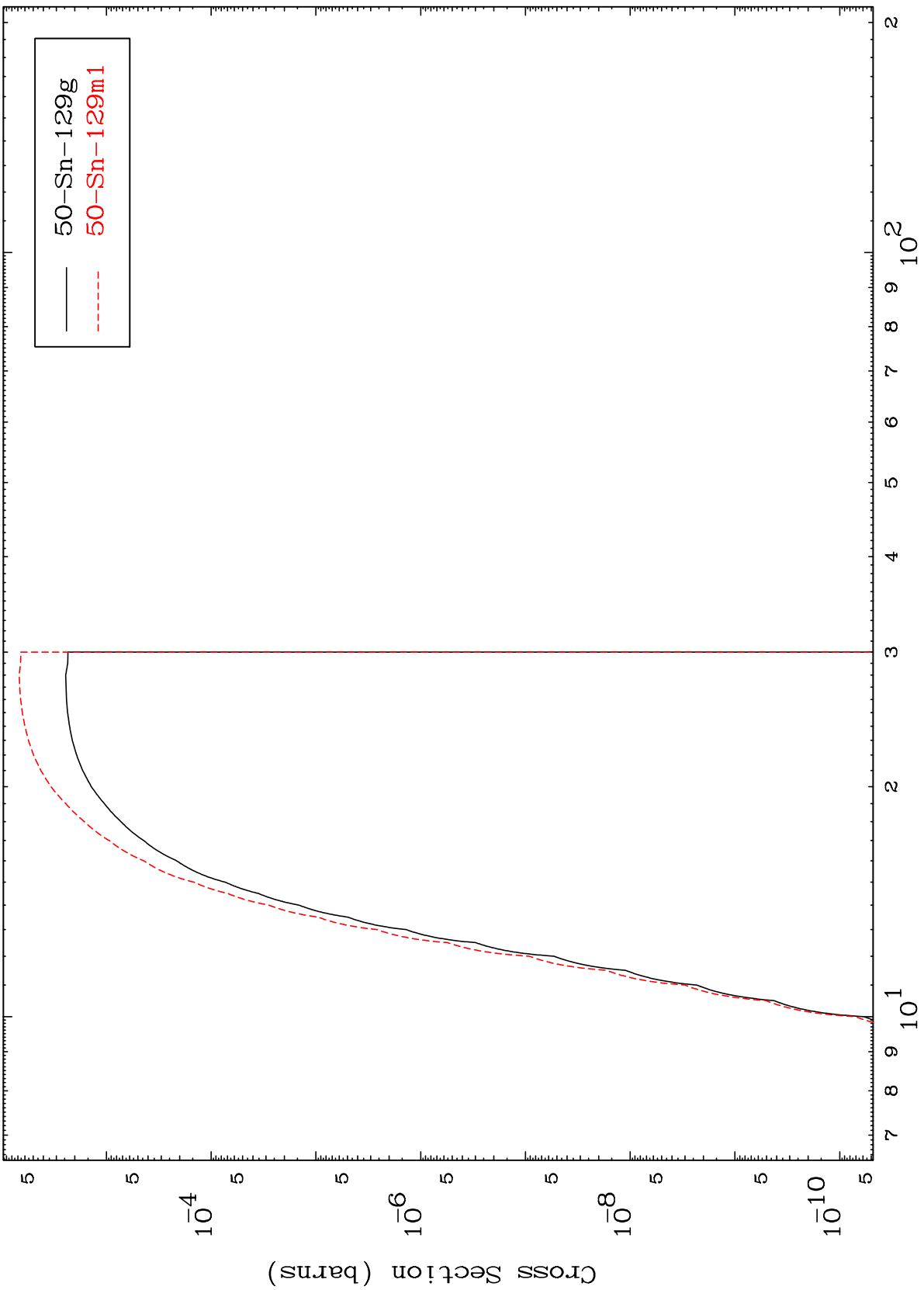
Radionuclide Production Cross Section (n,p)



MAT 5153

51-Sb-130m

(n,d)
Radionuclide Production Cross Section



32

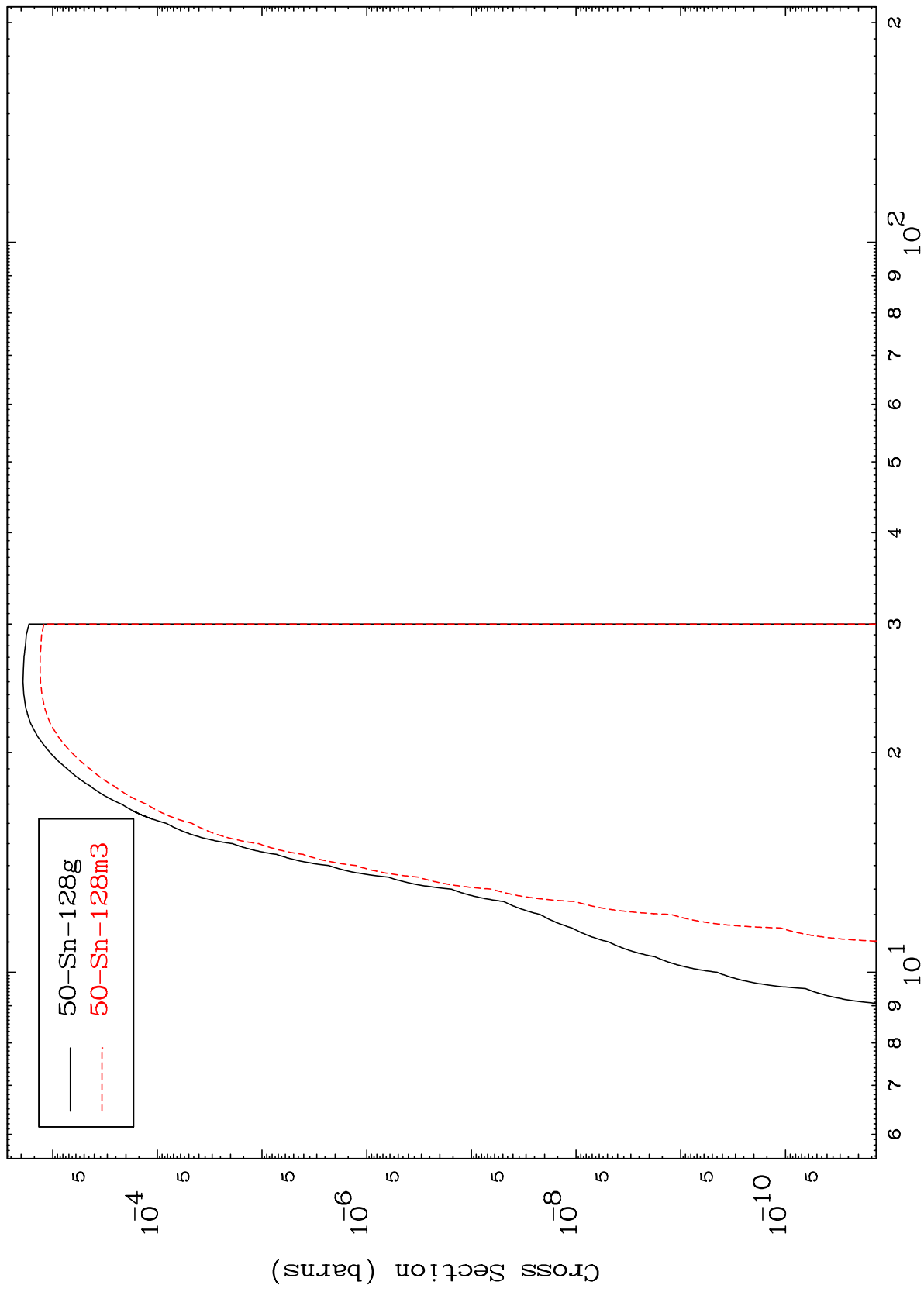
Incident Energy (MeV)

51-Sb-130m

MAT 5153

51-Sb-130m

Radionuclide Production Cross Section



51-Sb-130m

Incident Energy (MeV)

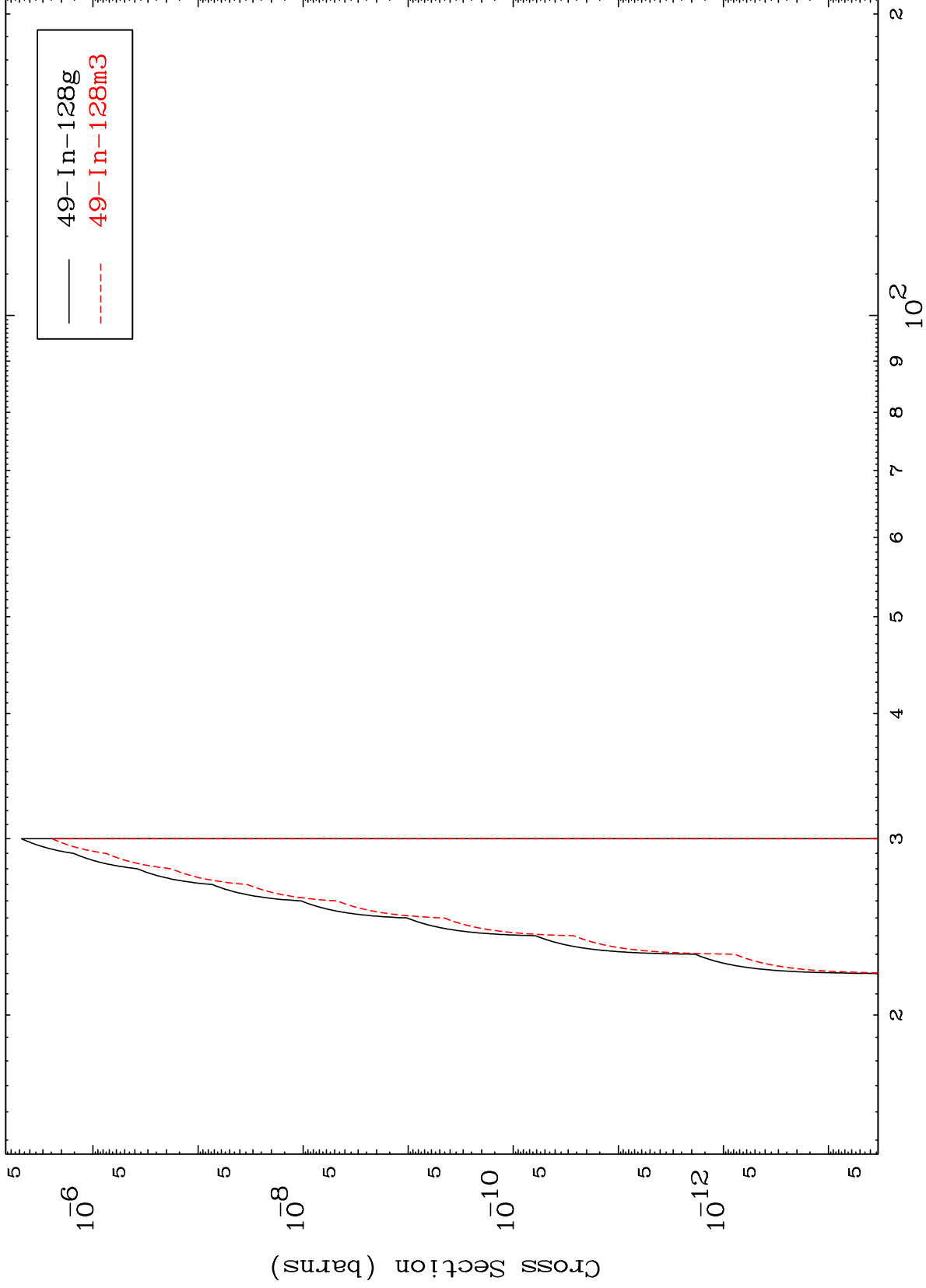
33

MAT 5153

(n,He-3)

51-Sb-130m

Radionuclide Production Cross Section



34

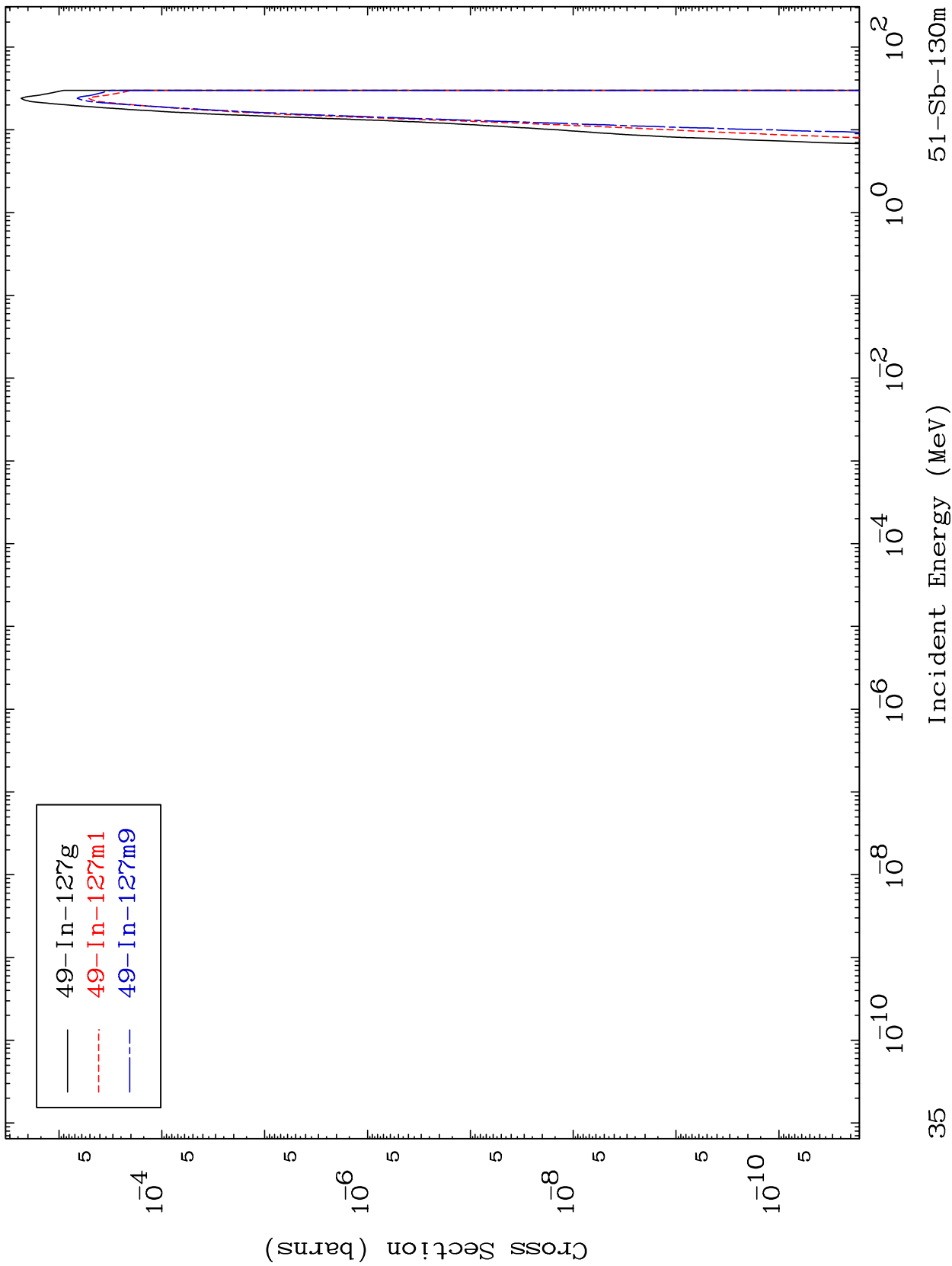
Incident Energy (MeV)

51-Sb-130m

MAT 5153

51-Sb-130m

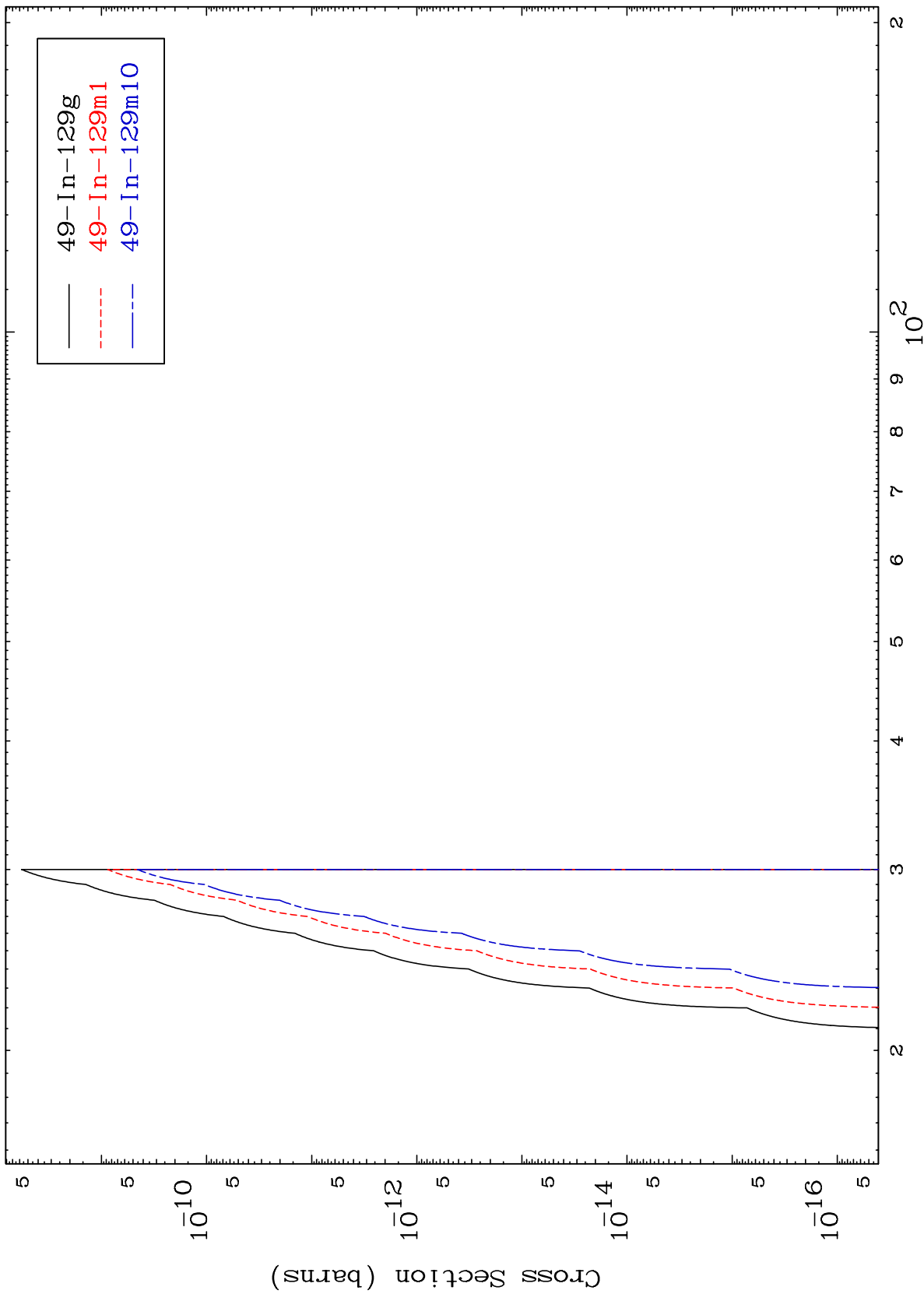
Radionuclide Production Cross Section



MAT 5153

51-Sb-130m

(n,2p)
Radionuclide Production Cross Section



36

51-Sb-130m

Incident Energy (MeV)