

Program EVALPLOT
(Version 2015-2)

by

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(Present Contact Information)

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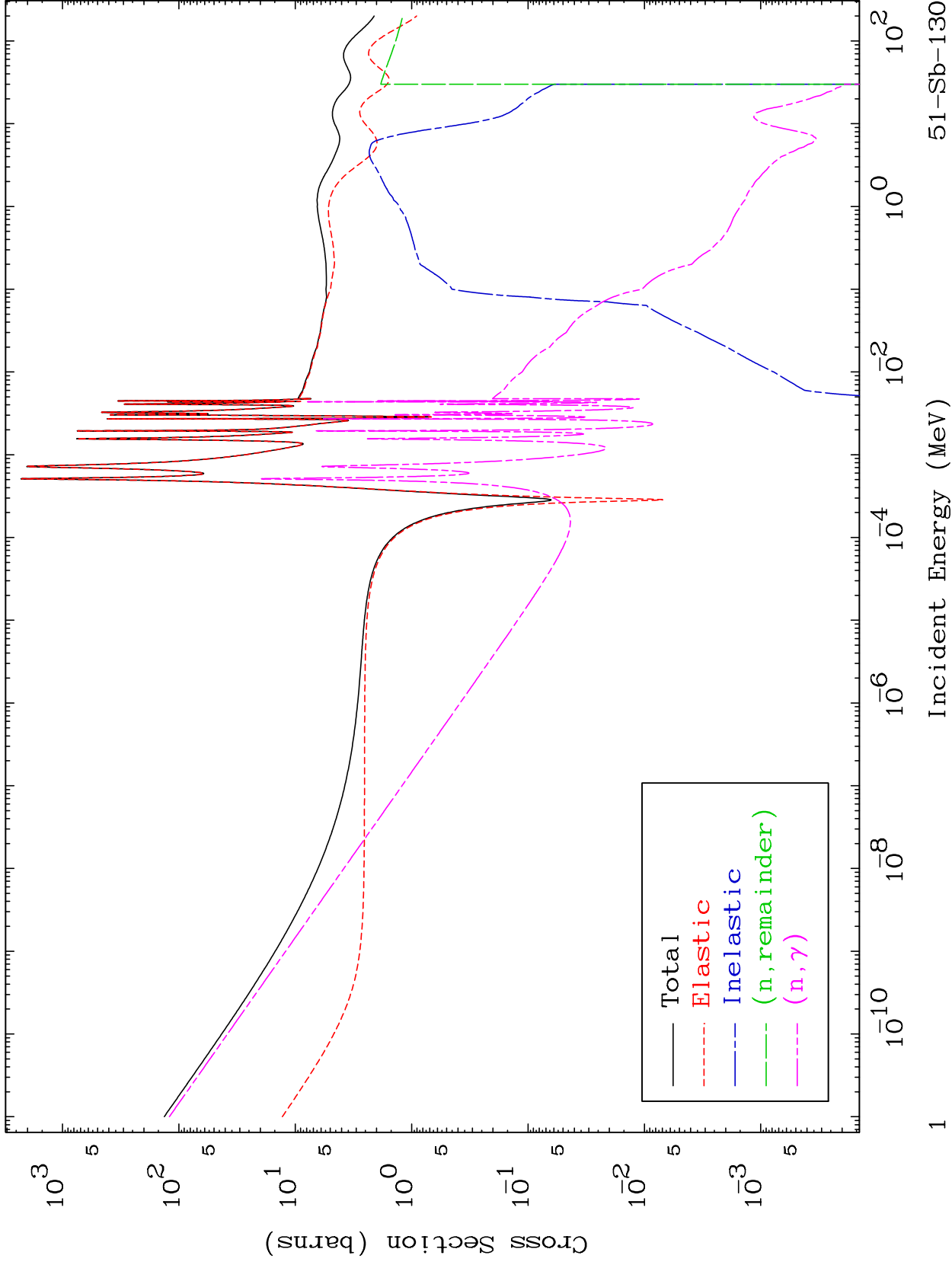
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 5153

Major
293 Kelvin Cross Sections

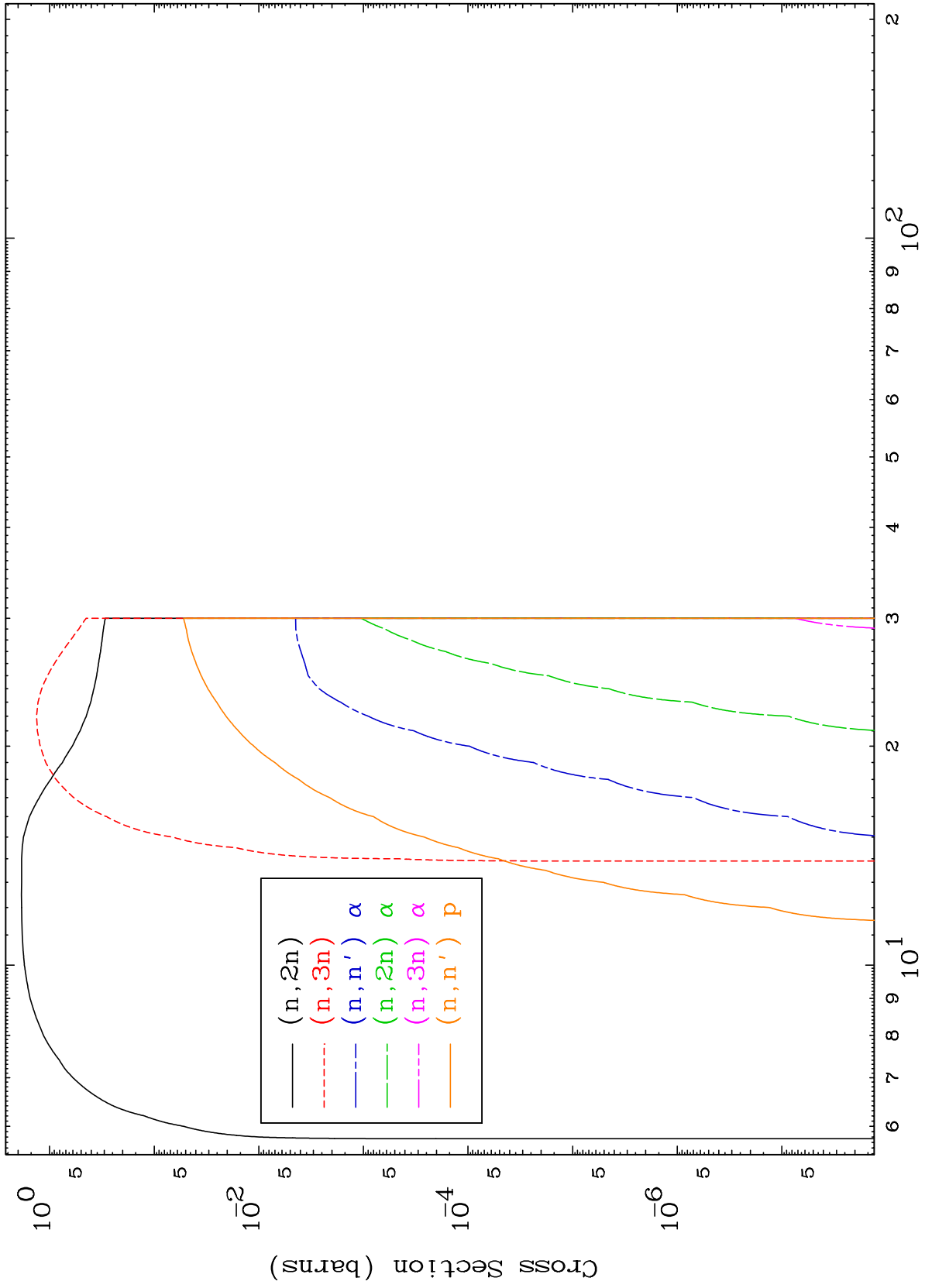
51-Sb-130



MAT 5153

Neutron Production
293 Kelvin Cross Sections

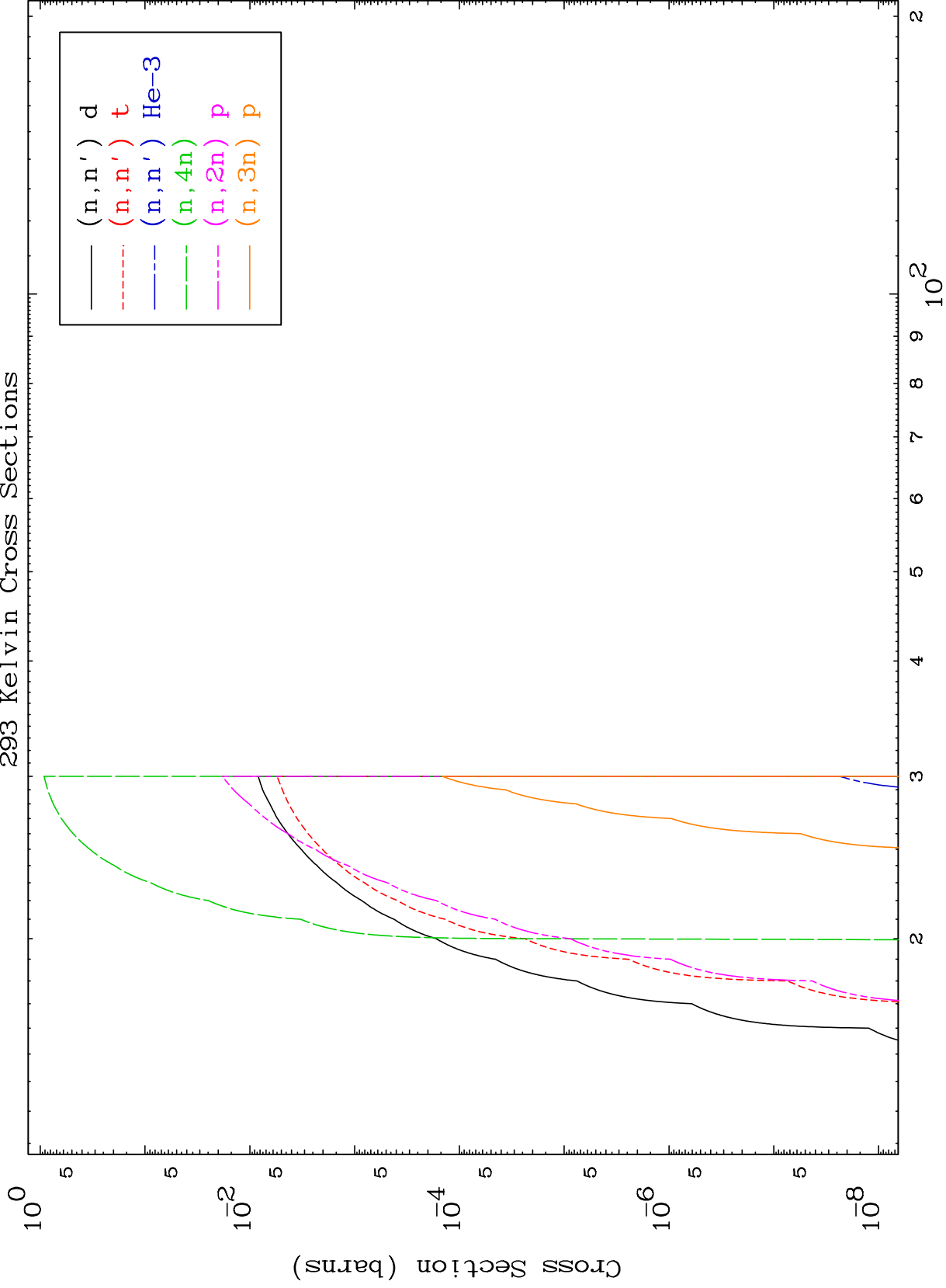
51-Sb-130

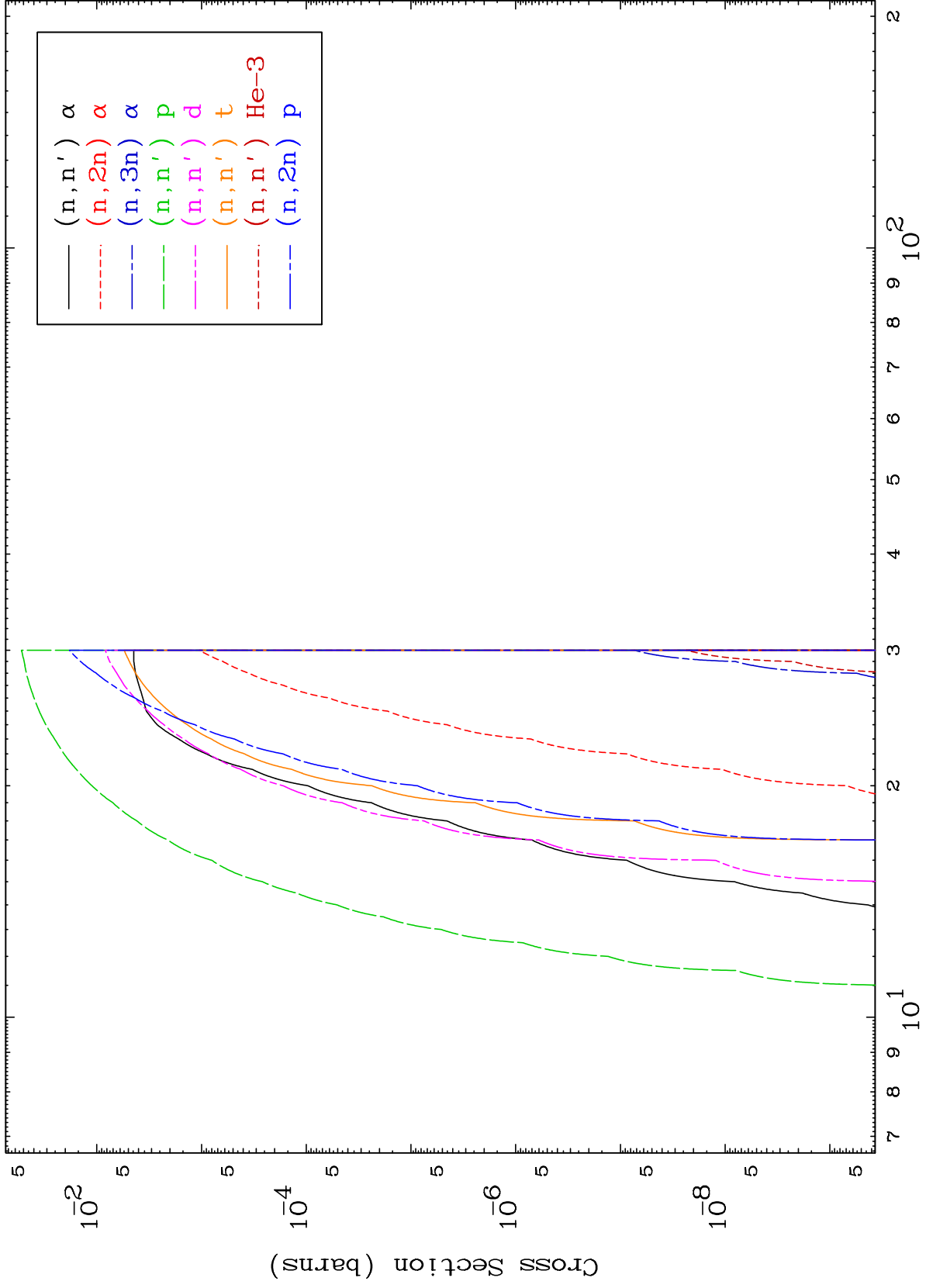


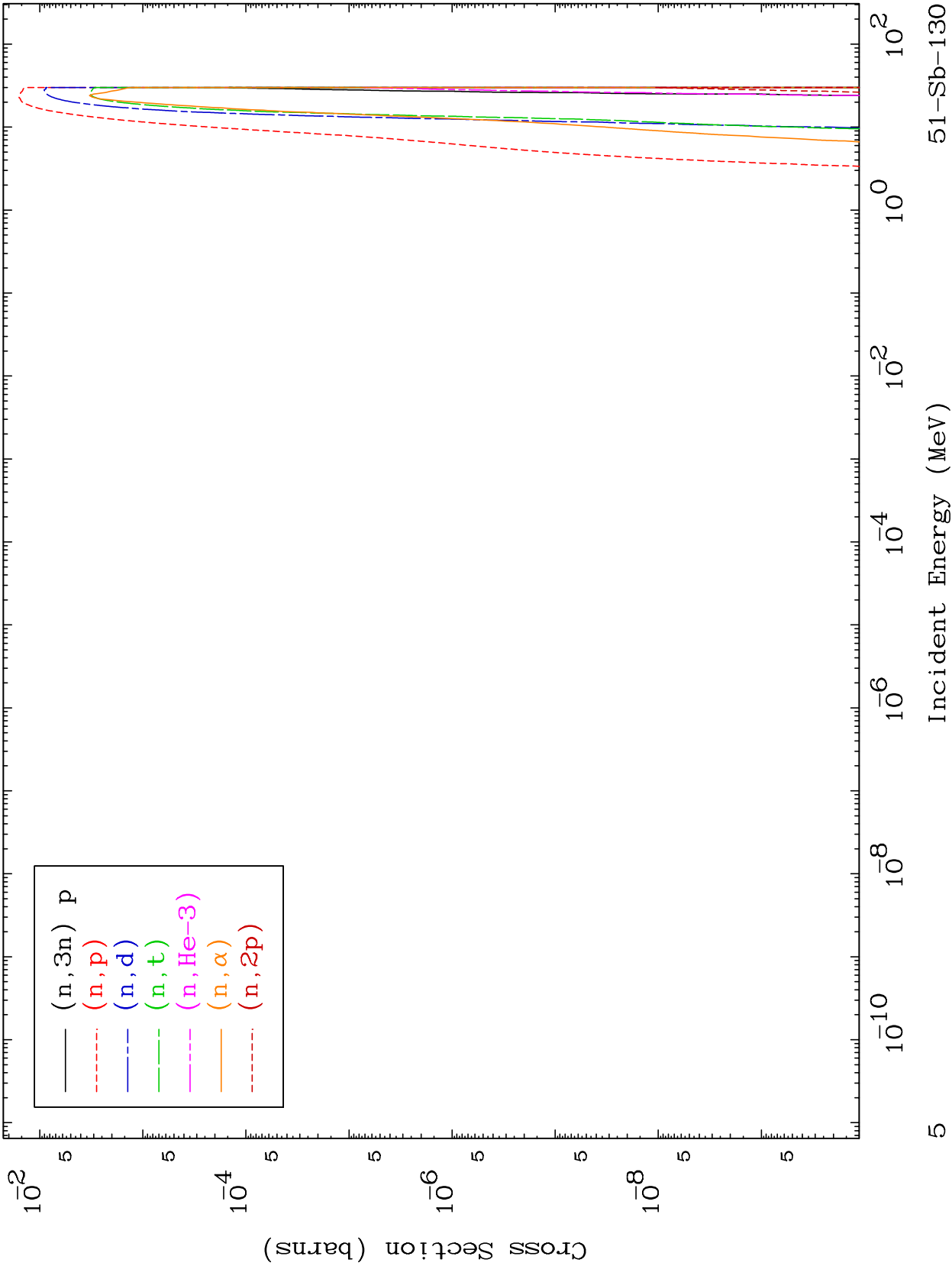
2

Incident Energy (MeV)

51-Sb-130



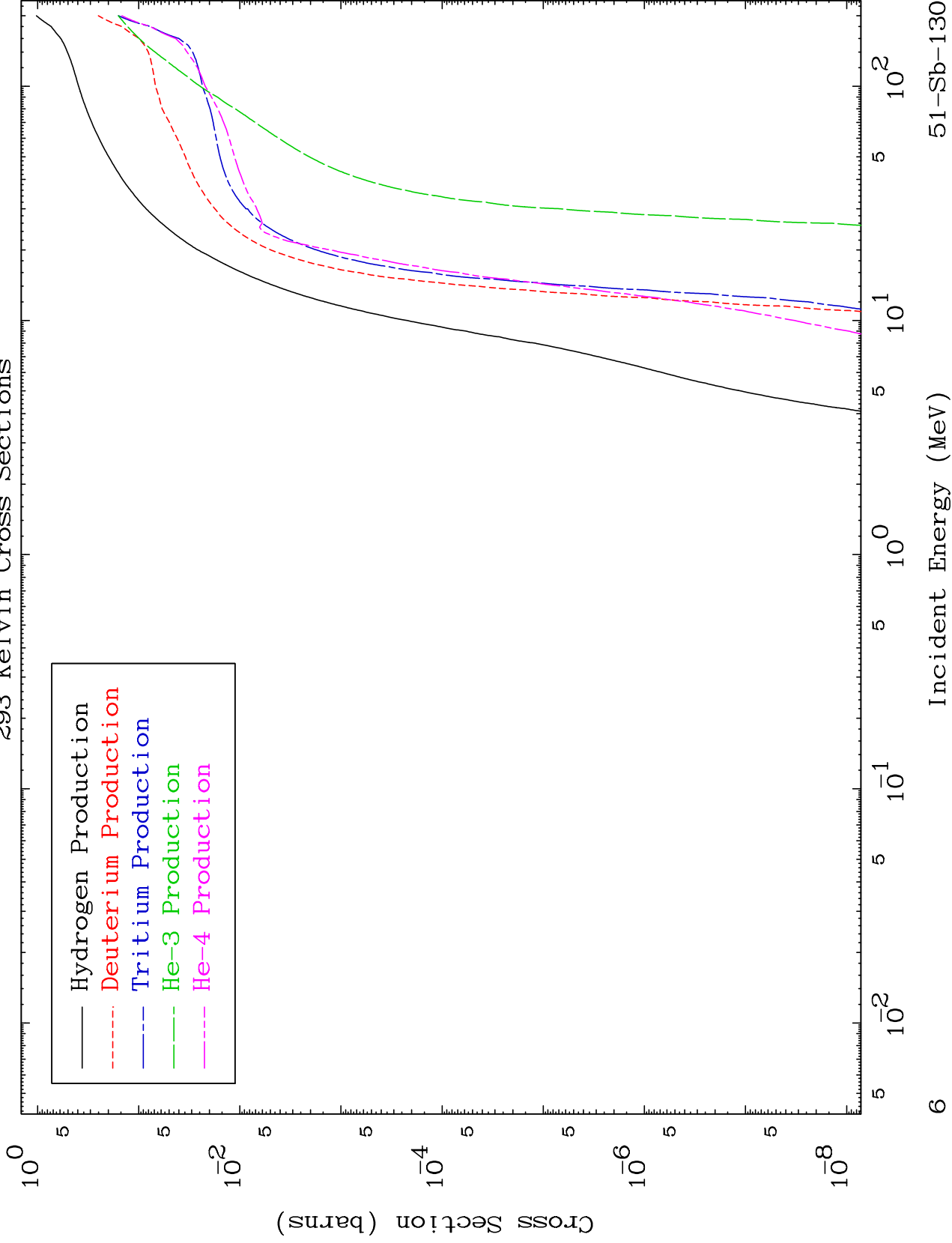




MAT 5153

Particle Production
293 Kelvin Cross Sections

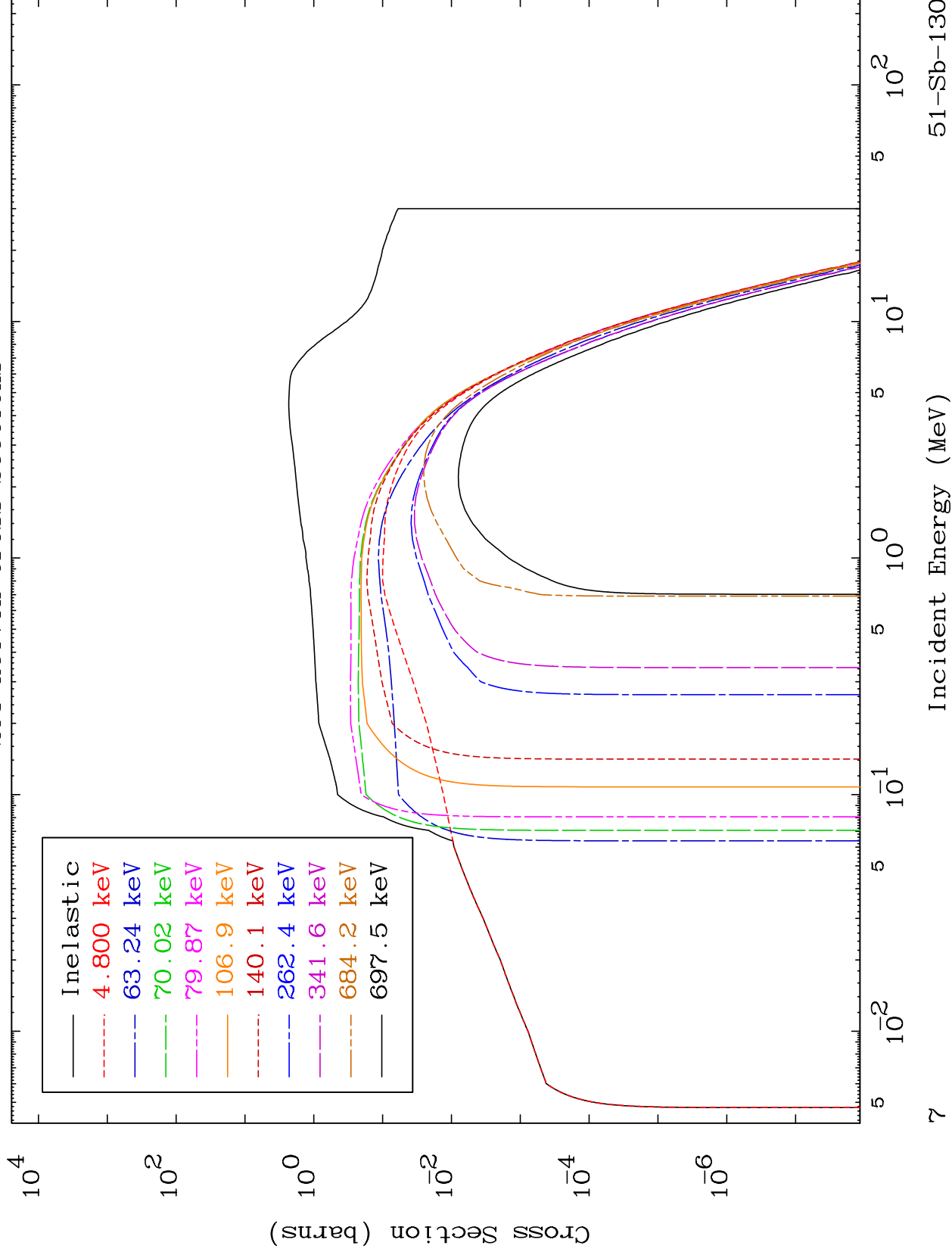
51-Sb-130



MAT 5153

(n,n') Level
293 Kelvin Cross Sections

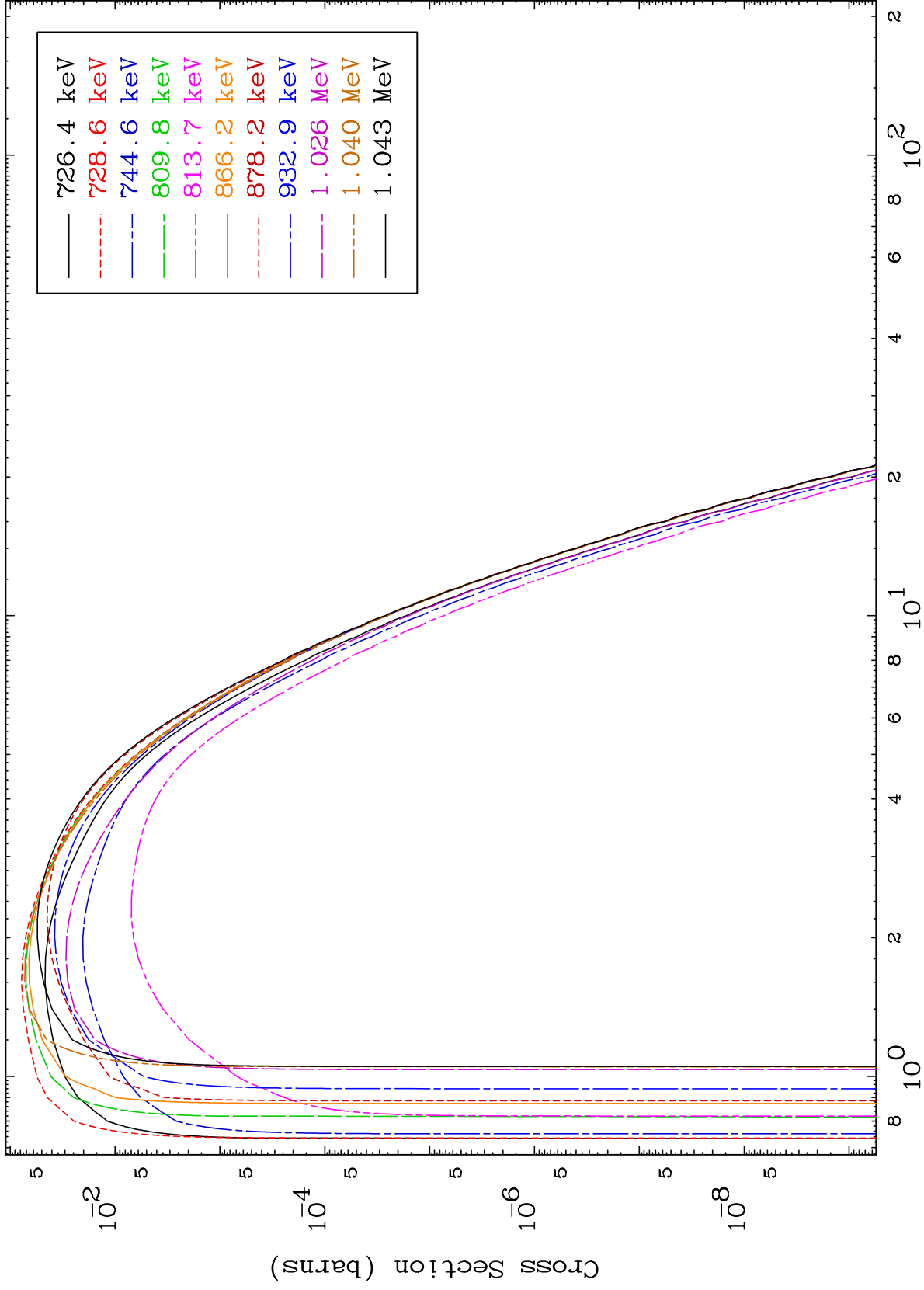
51-Sb-130



MAT 5153

(n,n') Level
293 Kelvin Cross Sections

51-Sb-130



8

Incident Energy (MeV)

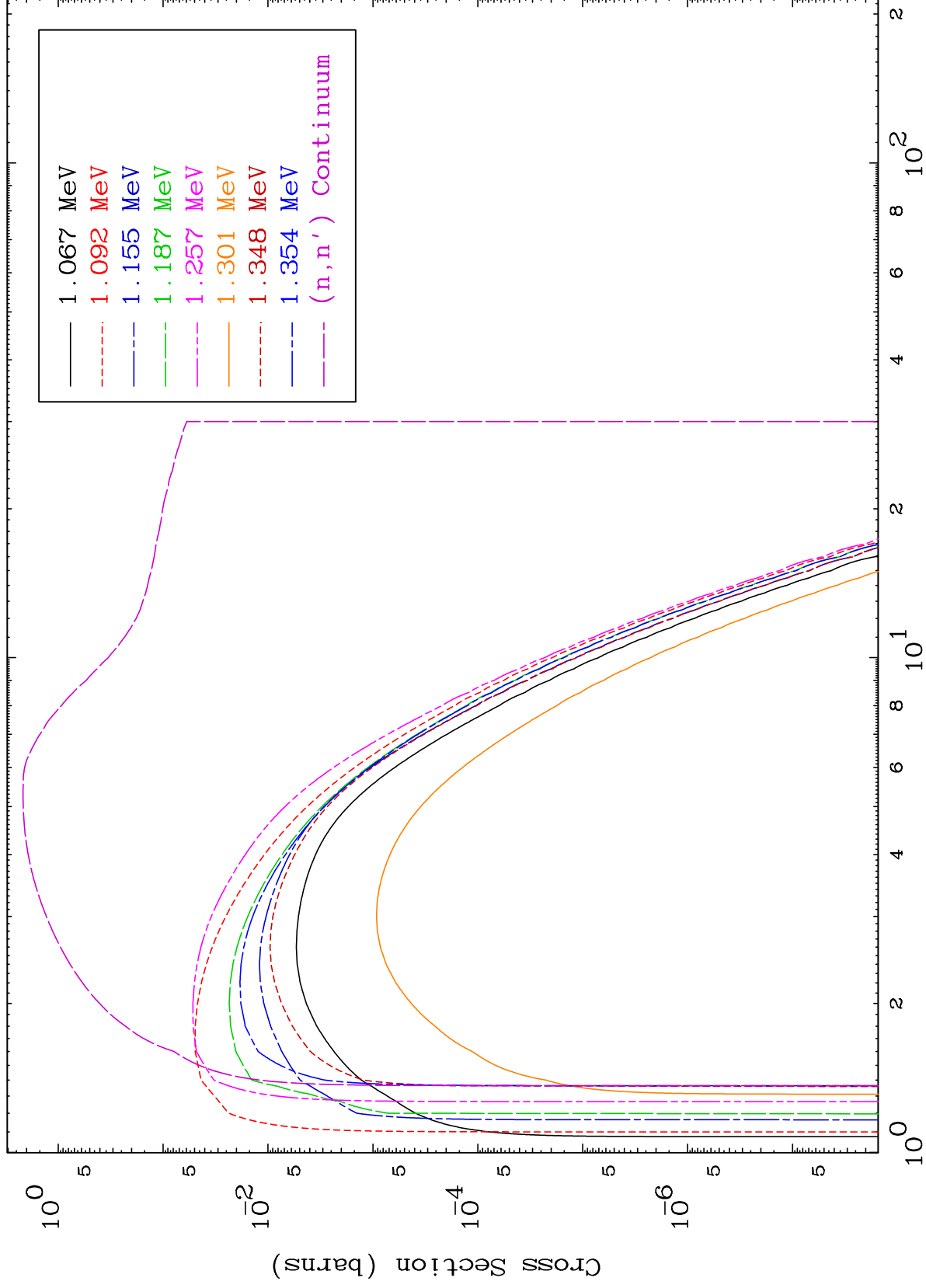
51-Sb-130

MAT 5153

(n,n') Level

51-Sb-130

293 Kelvin Cross Sections



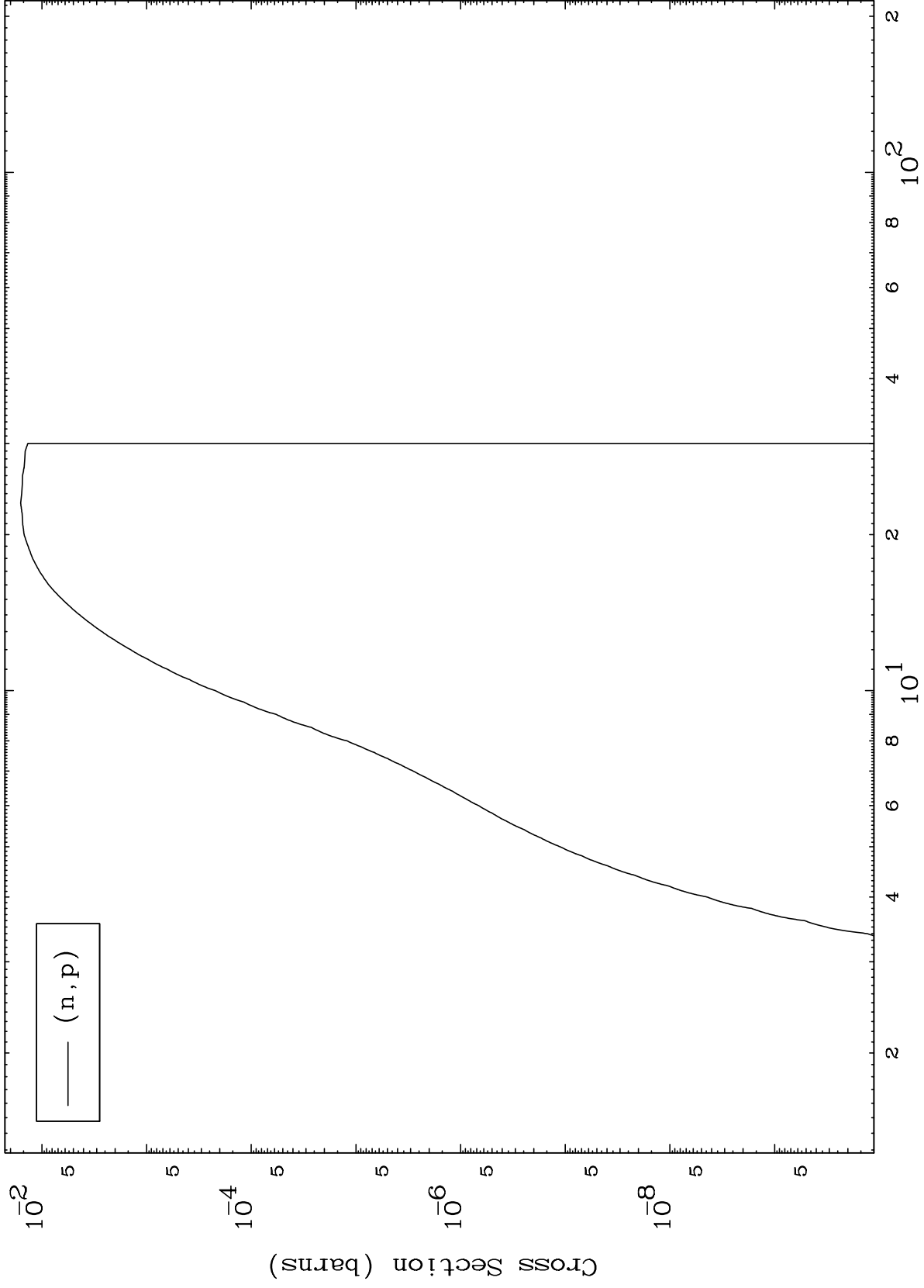
Incident Energy (MeV)

51-Sb-130

MAT 5153

(n,p) Levels
293 Kelvin Cross Sections

51-Sb-130



10

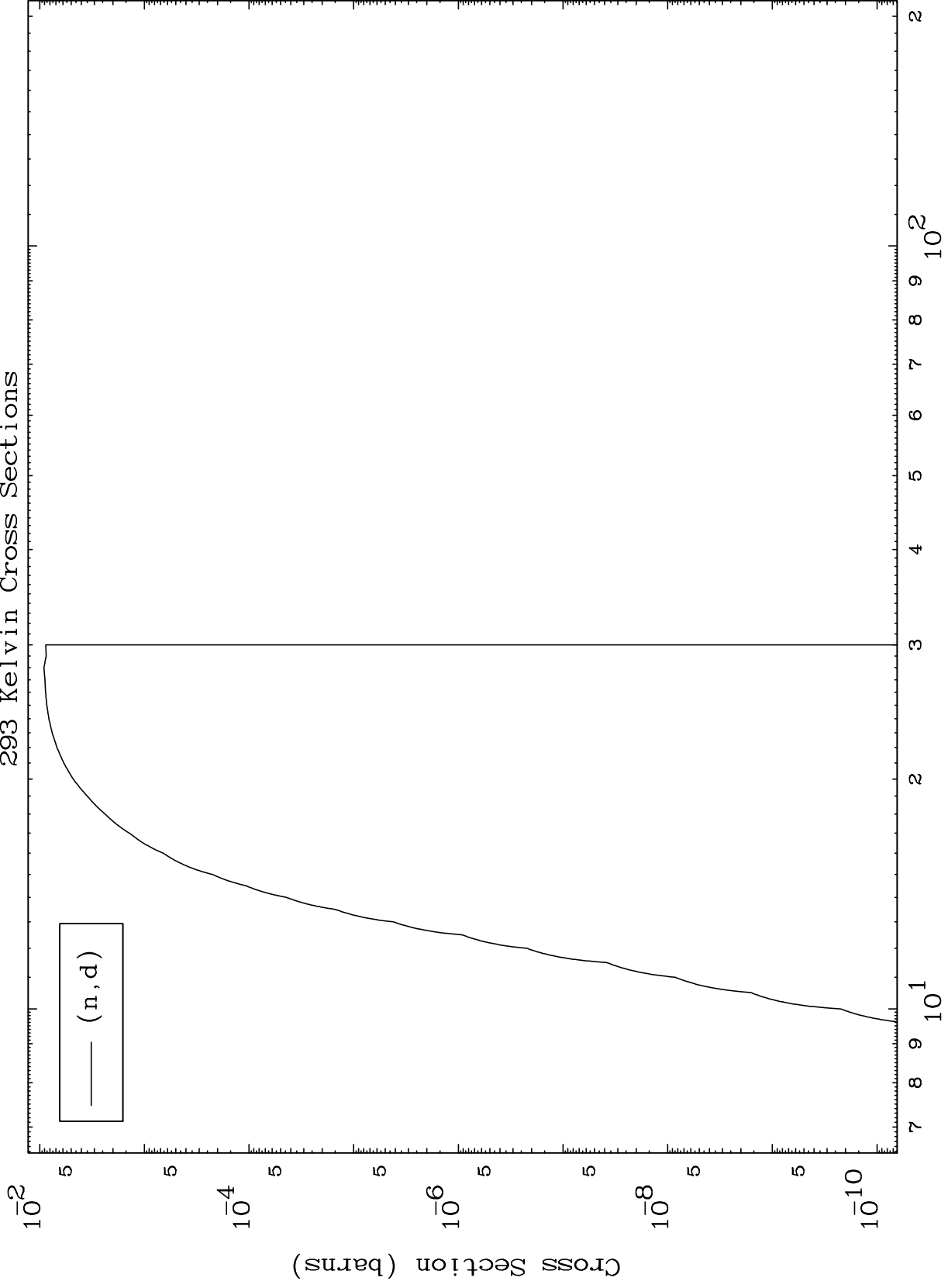
Incident Energy (MeV)

51-Sb-130

MAT 5153

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-130



11

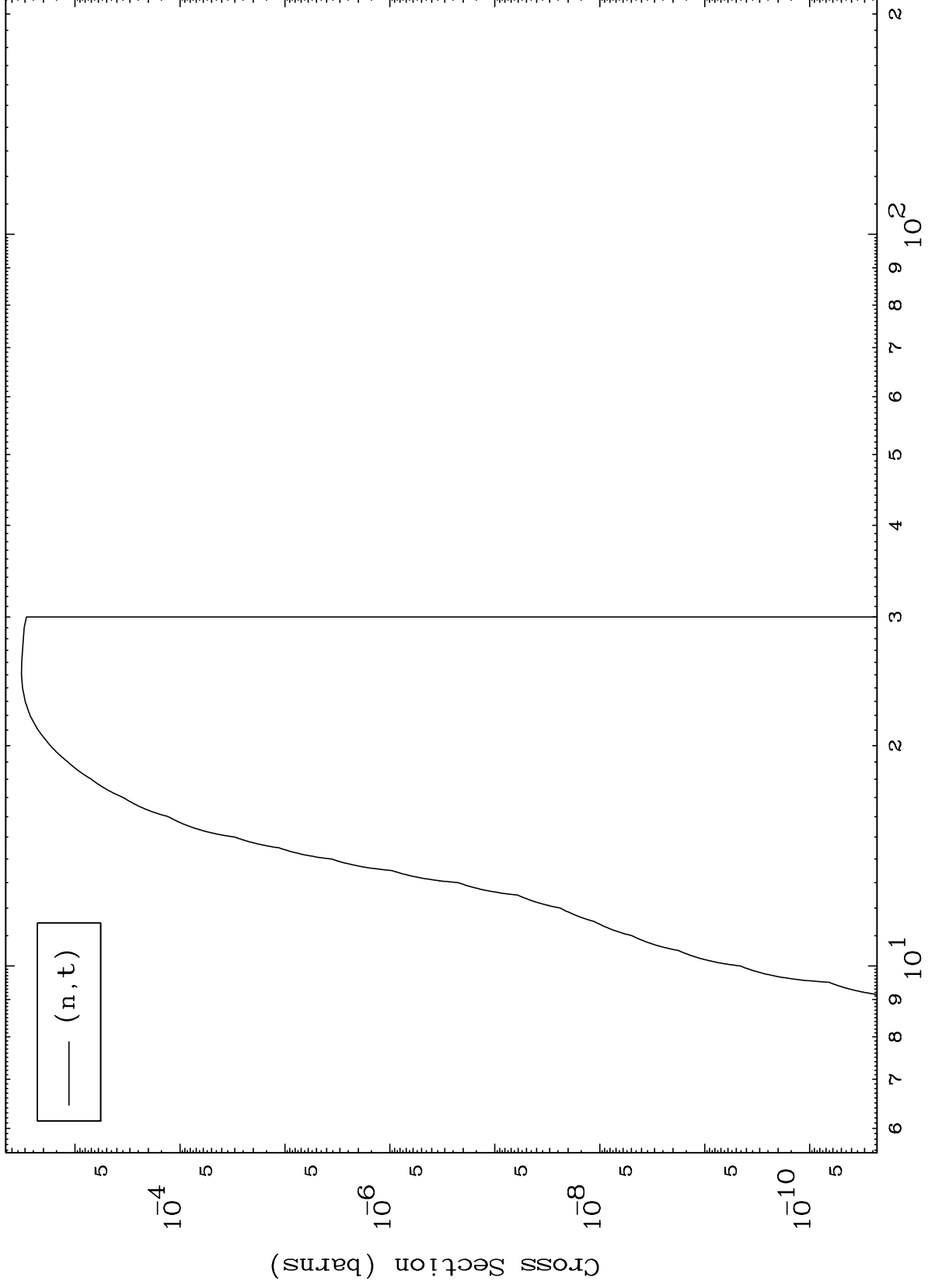
Incident Energy (MeV)

51-Sb-130

MAT 5153

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-130



12

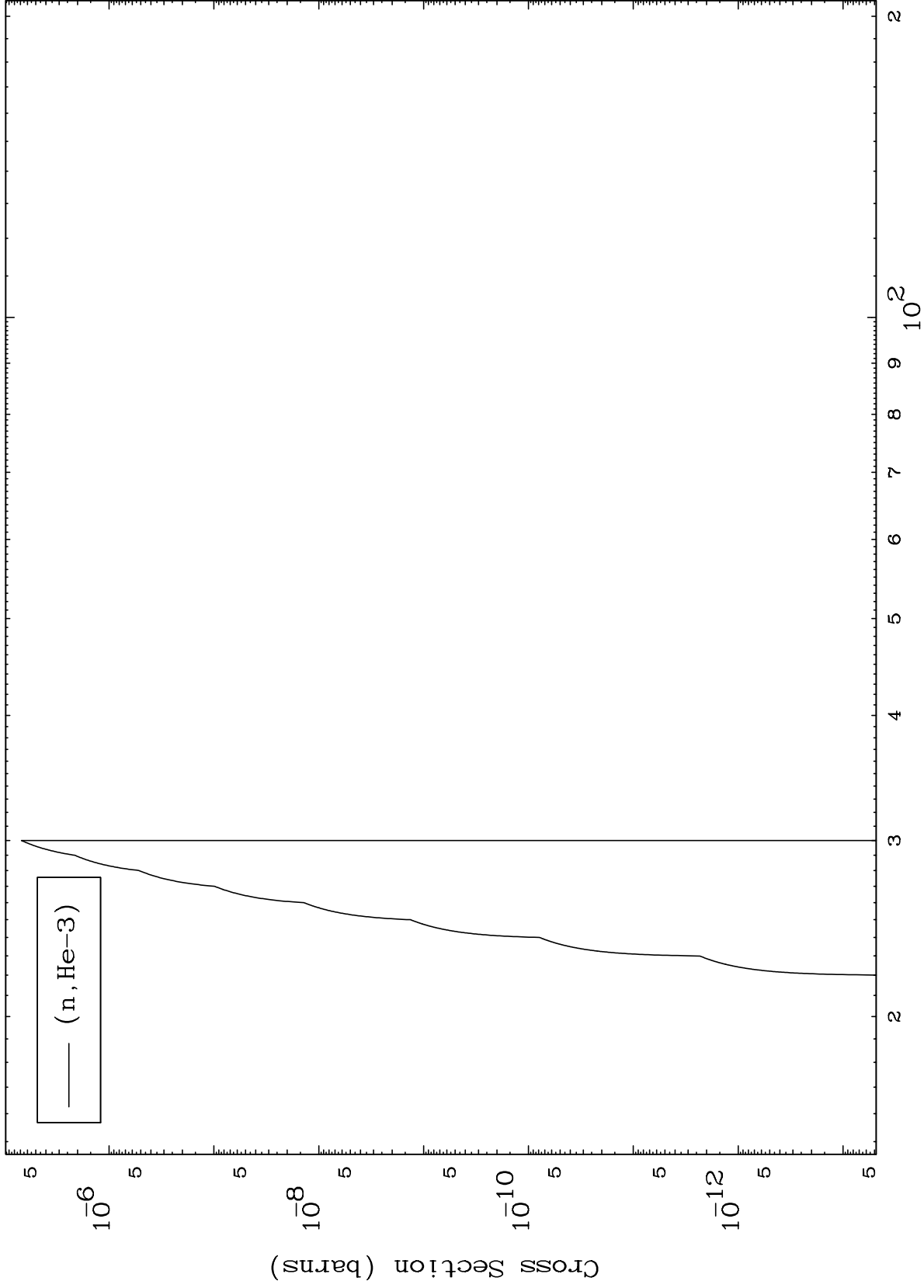
Incident Energy (MeV)

51-Sb-130

MAT 5153

(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-130



13

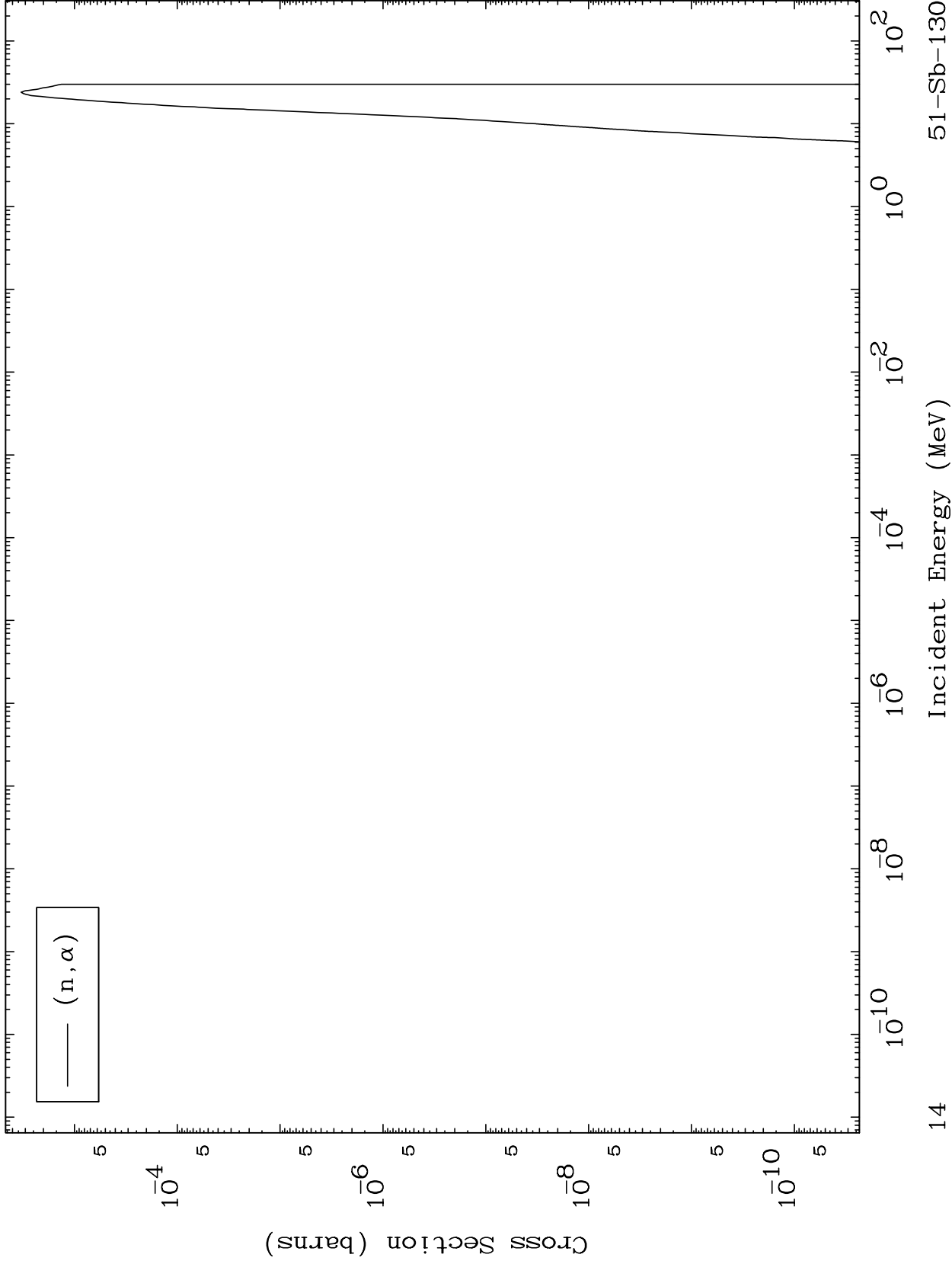
Incident Energy (MeV)

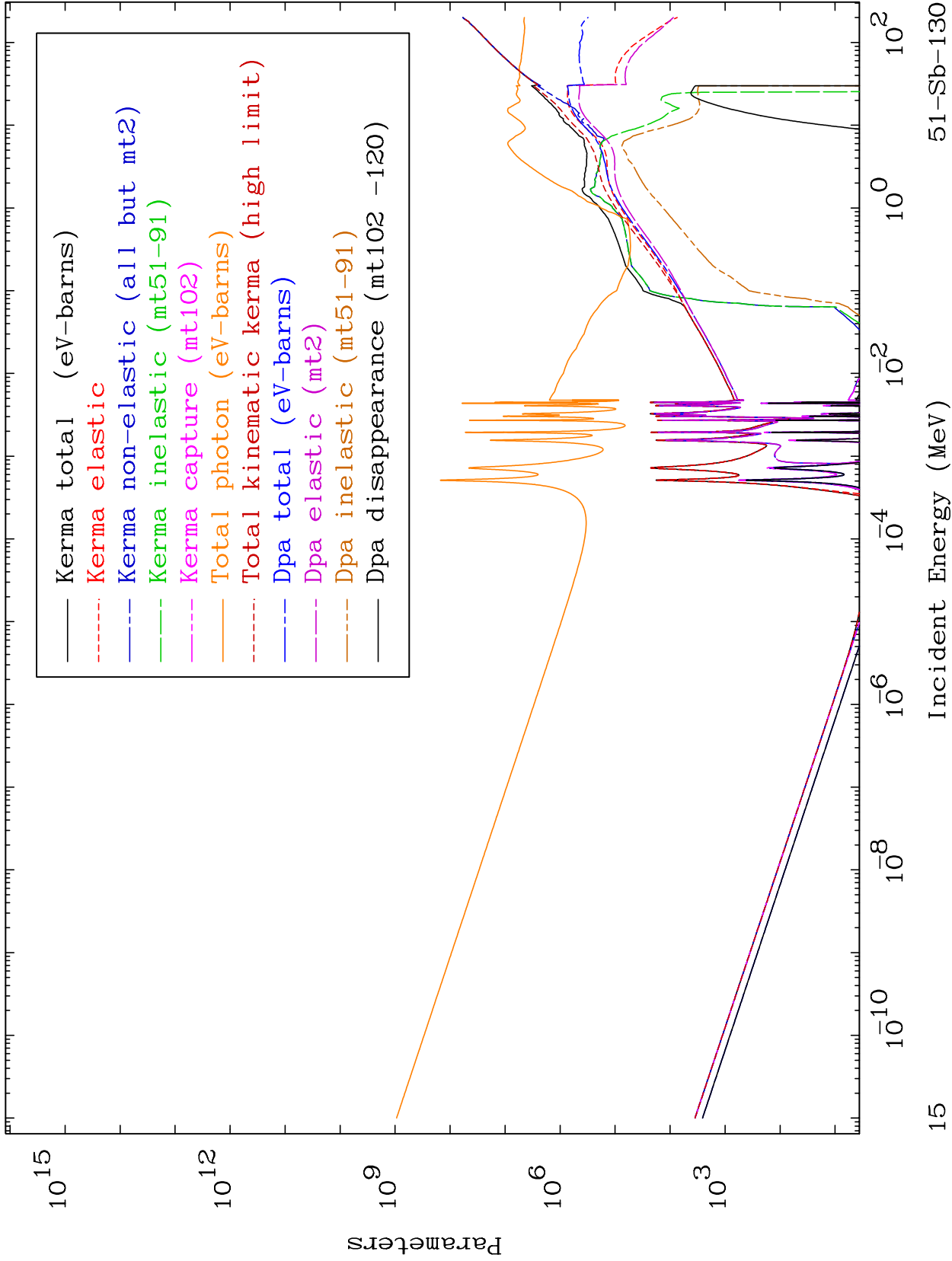
51-Sb-130

MAT 5153

(n, α) Levels
293 Kelvin Cross Sections

51-Sb-130

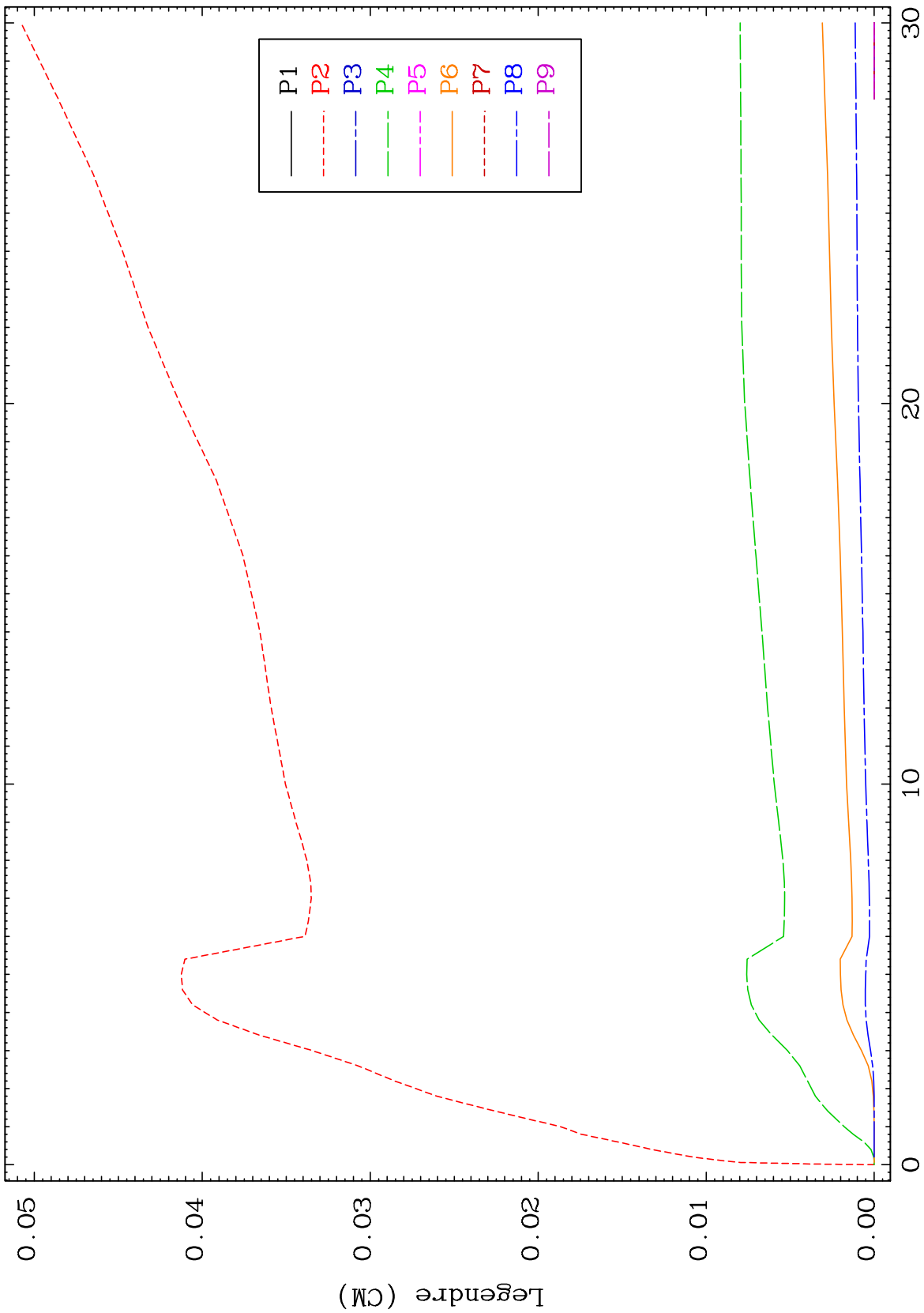




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Elastic Legendre Coefficients

51-Sb-130



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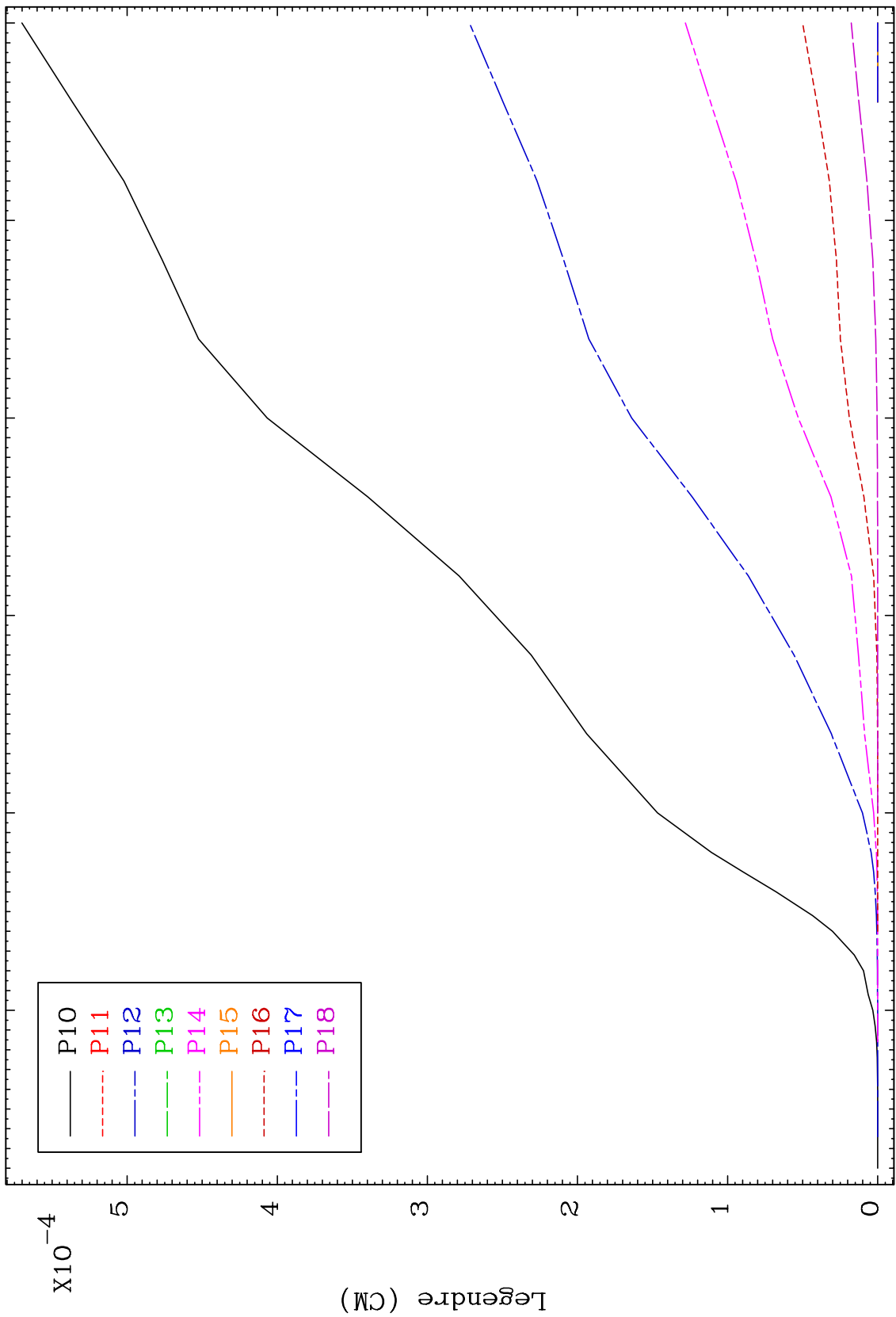
Incident Energy (MeV)

51-Sb-130

MAT 5153

Elastic Legendre Coefficients

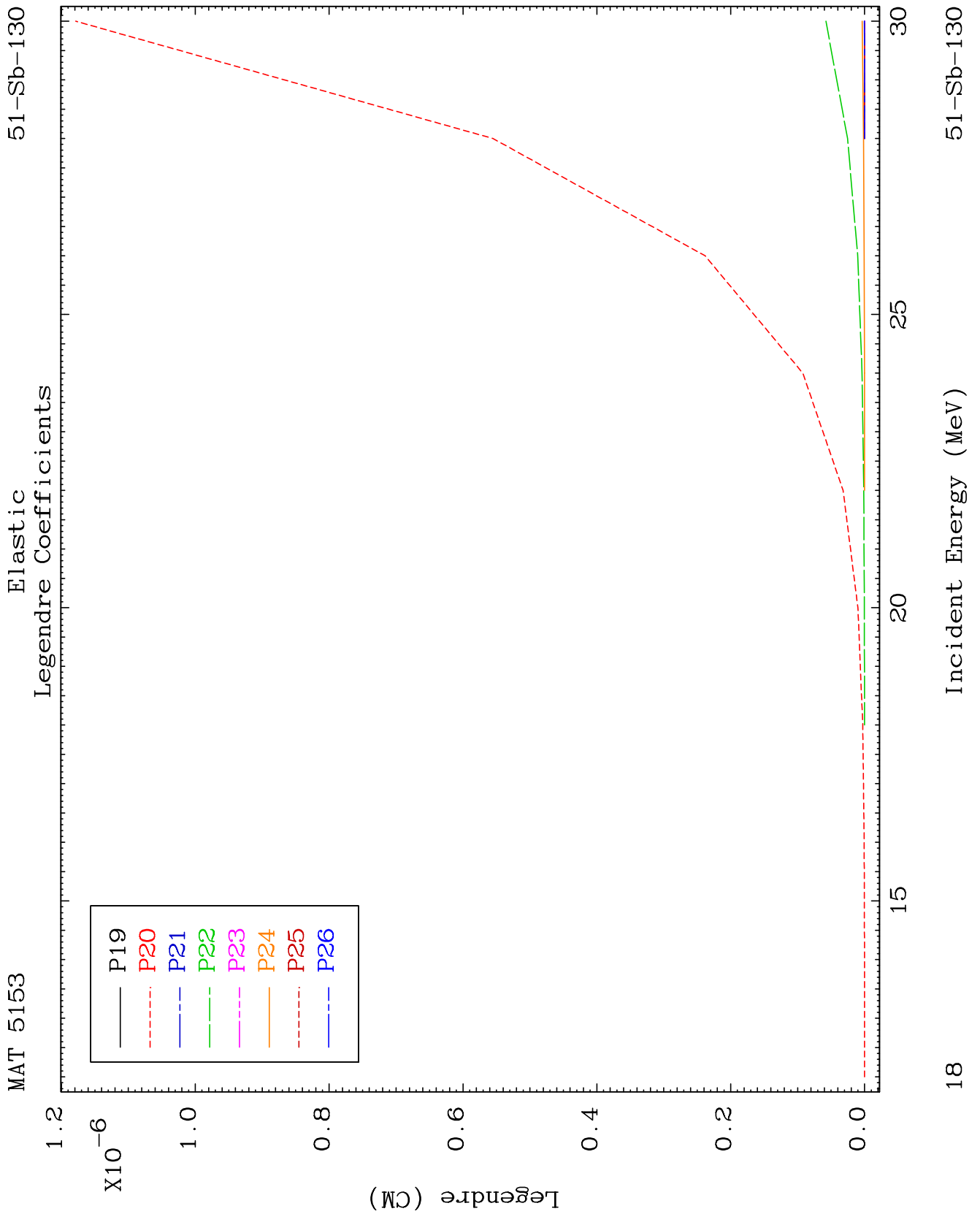
51-Sb-130



17

Incident Energy (MeV)

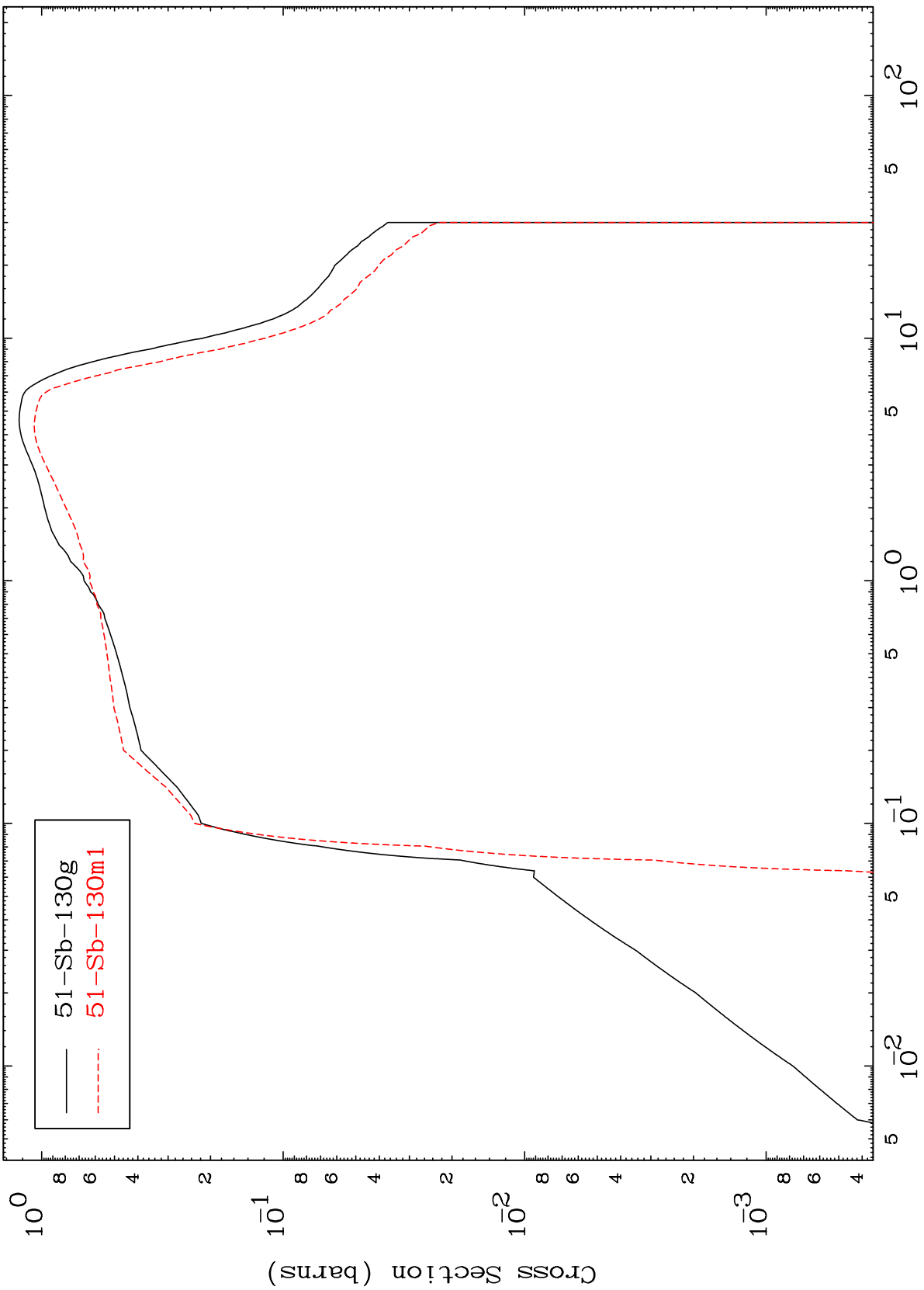
51-Sb-130



MAT 5153

51-Sb-130

Inelastic
Radionuclide Production Cross Section



— 51-Sb-130g
- - - 51-Sb-130m1

19

51-Sb-130

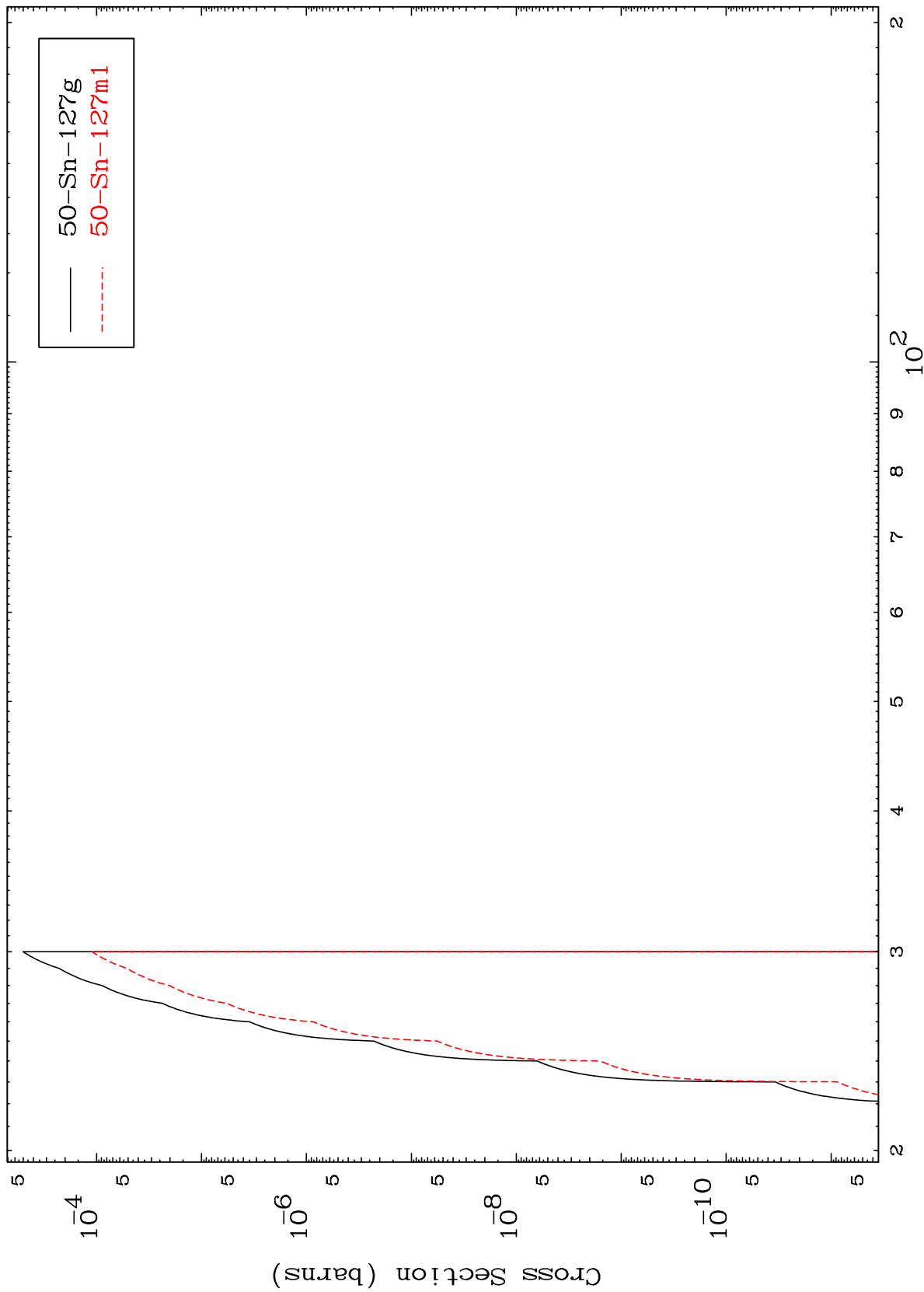
Incident Energy (MeV)

MAT 5153

(n,2n) d

51-Sb-130

Radionuclide Production Cross Section



20

Incident Energy (MeV)

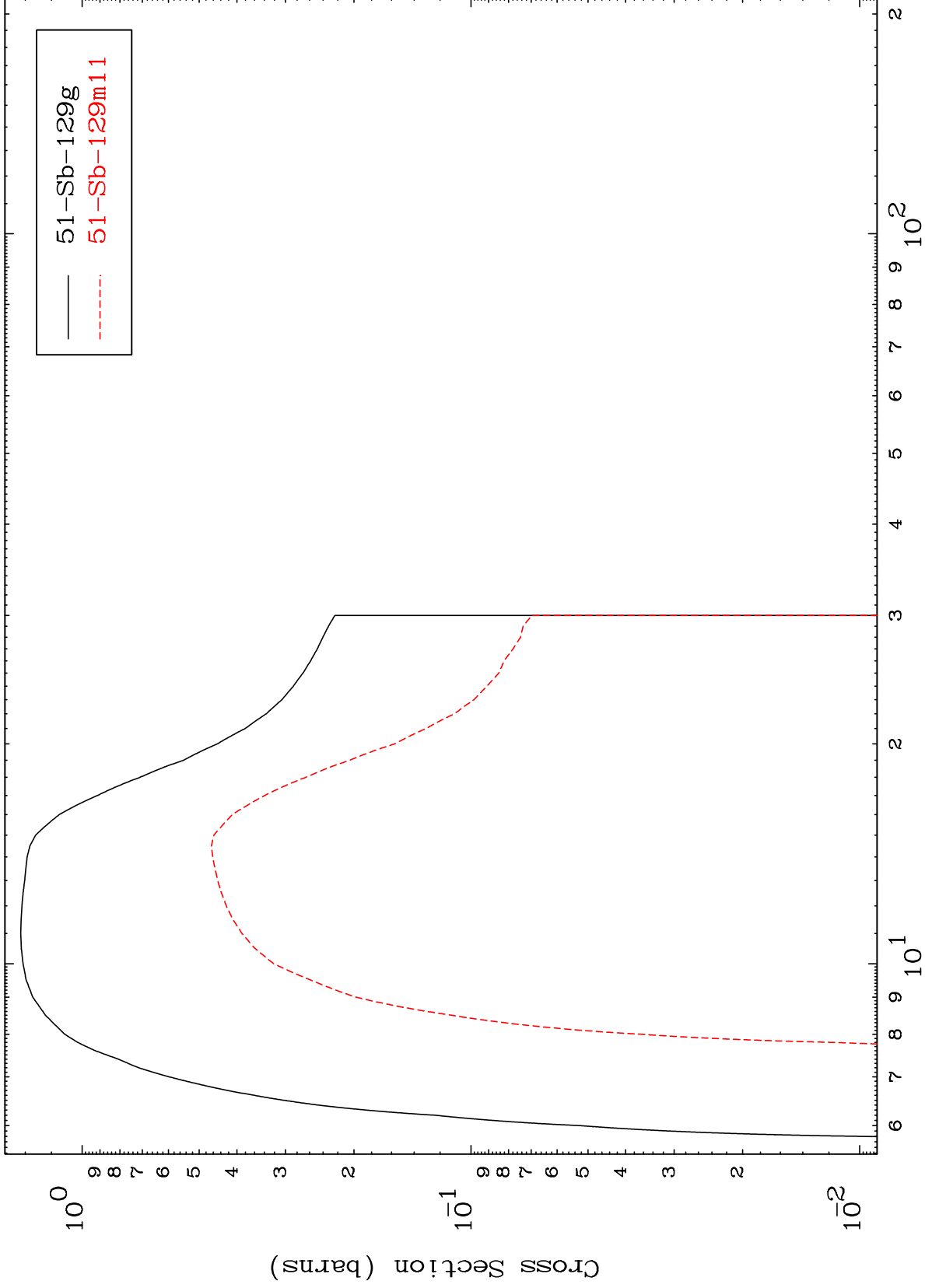
51-Sb-130

MAT 5153

(n,2n)

51-Sb-130

Radionuclide Production Cross Section



21

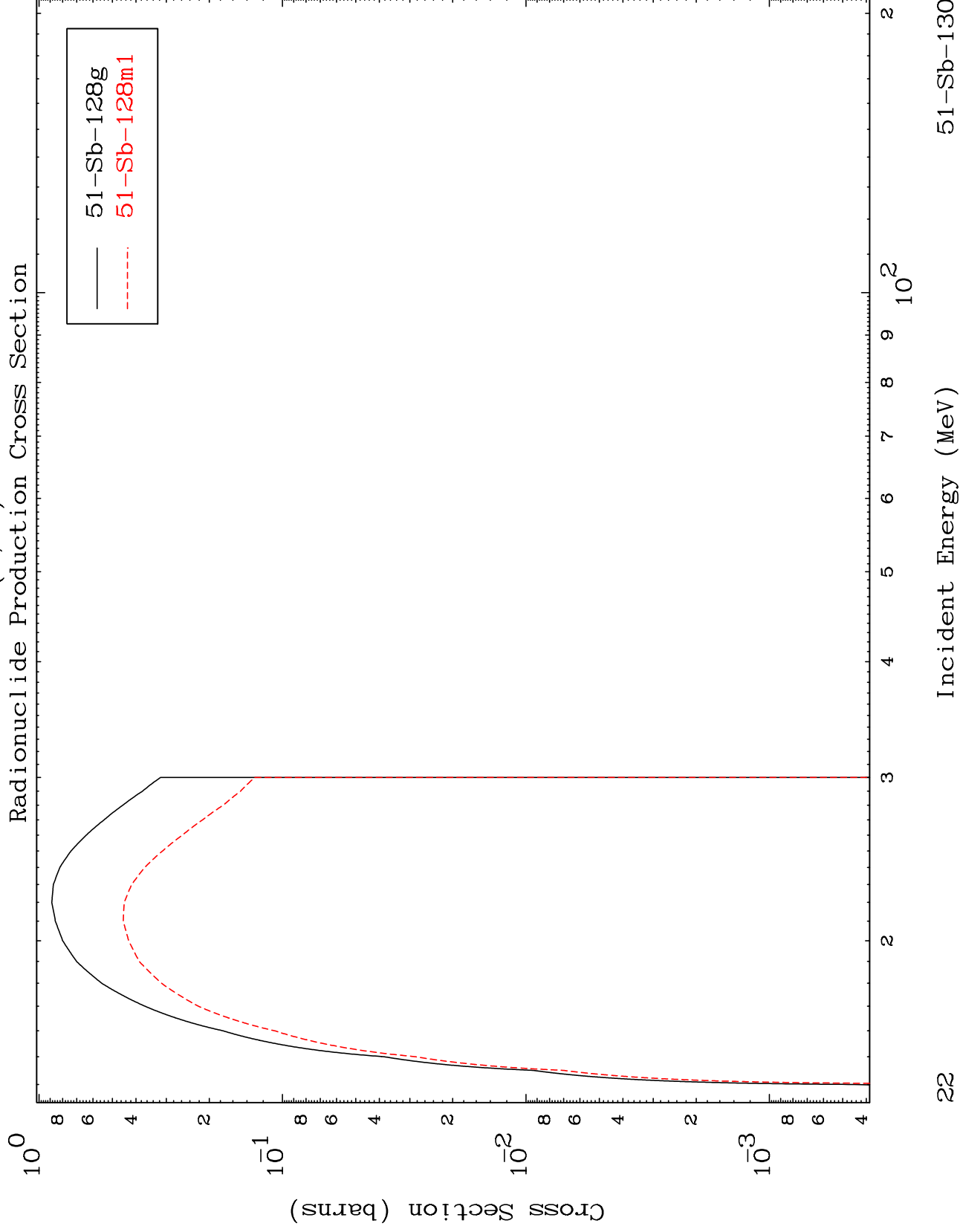
Incident Energy (MeV)

51-Sb-130

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(n,3n)

51-Sb-130



22

Incident Energy (MeV)

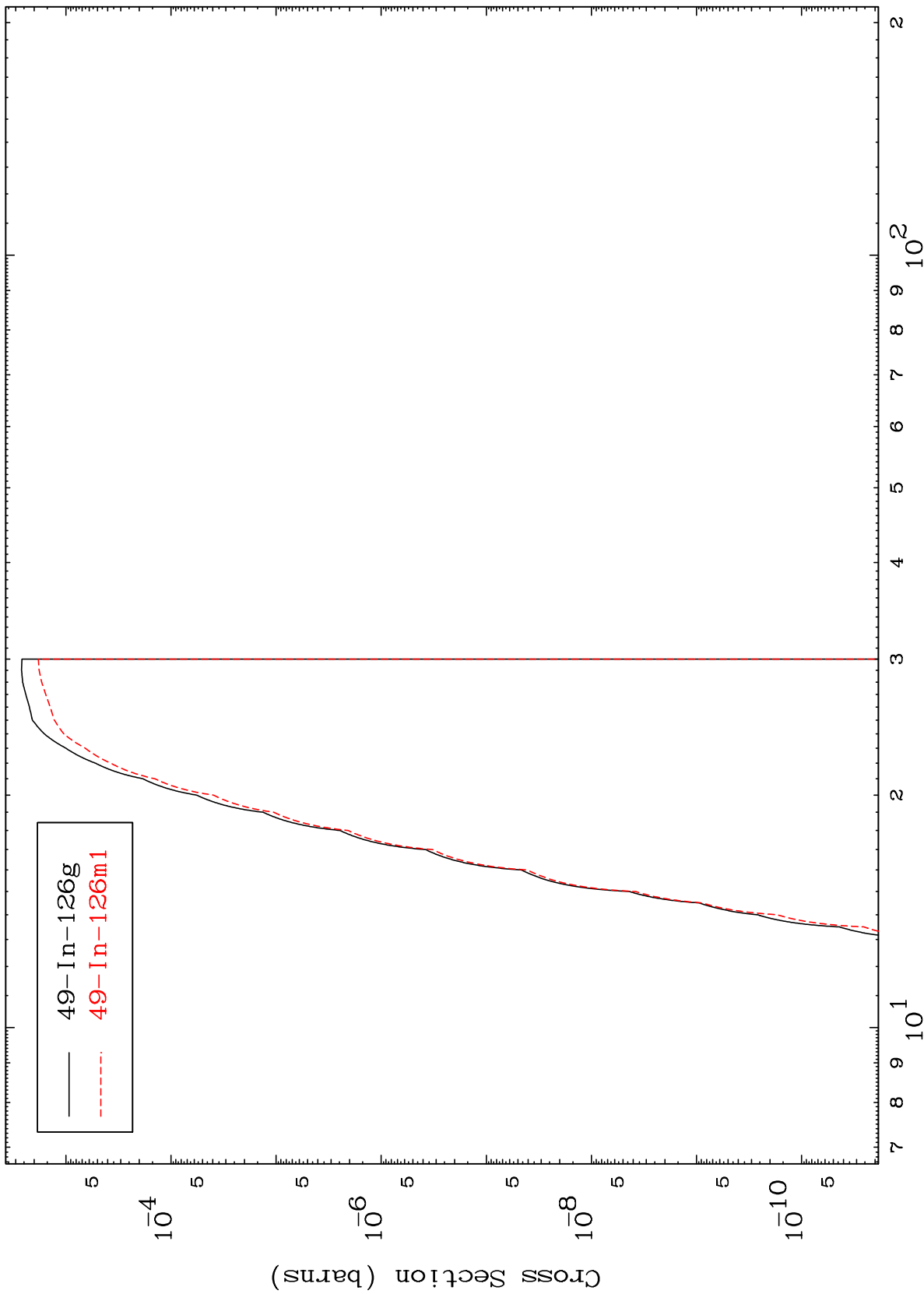
51-Sb-130

MAT 5153

(n,n') α

51-Sb-130

Radionuclide Production Cross Section

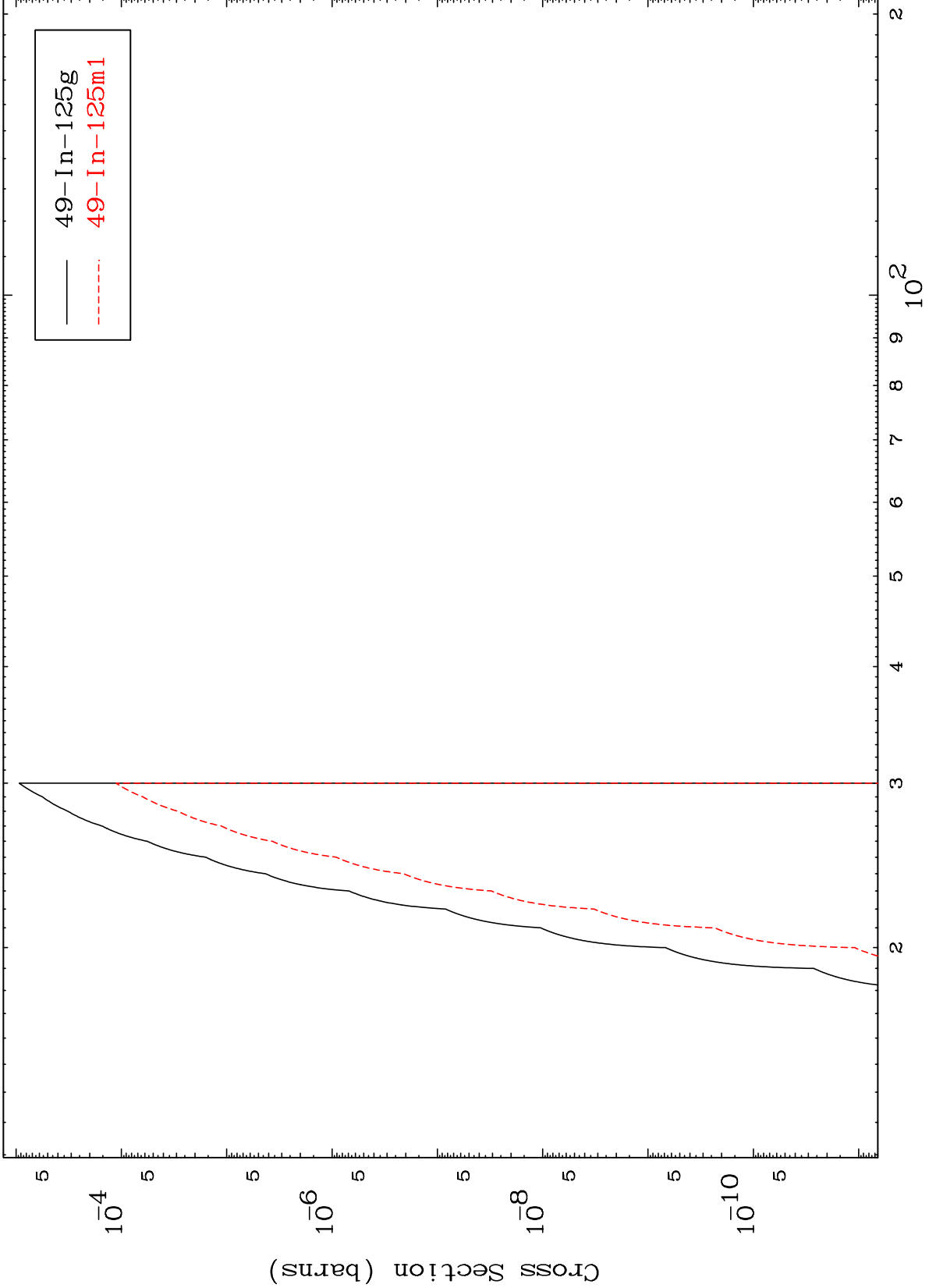


23

Incident Energy (MeV)

51-Sb-130

Radionuclide Production Cross Section

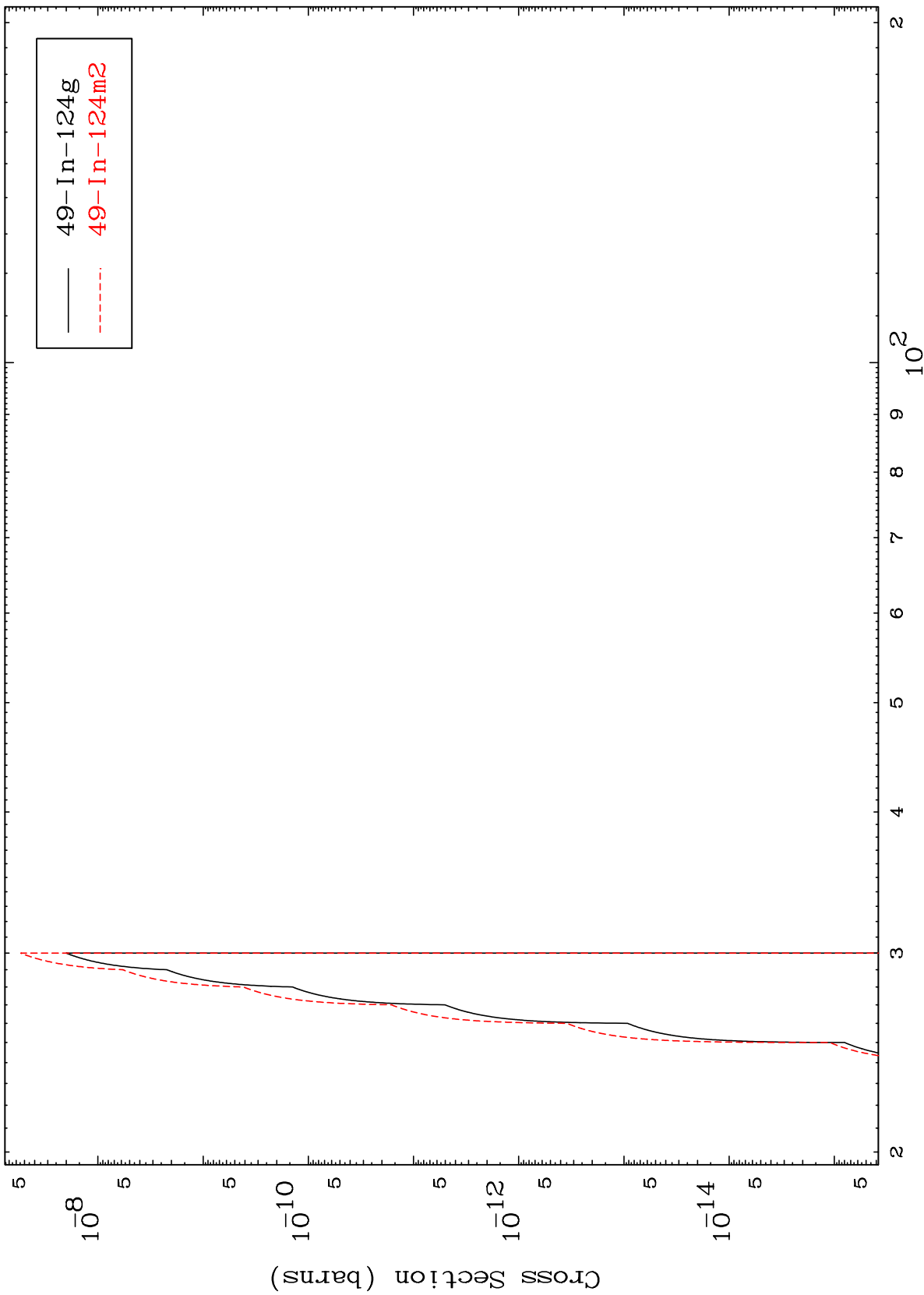


MAT 5153

(n,3n) α

51-Sb-130

Radionuclide Production Cross Section



25

Incident Energy (MeV)

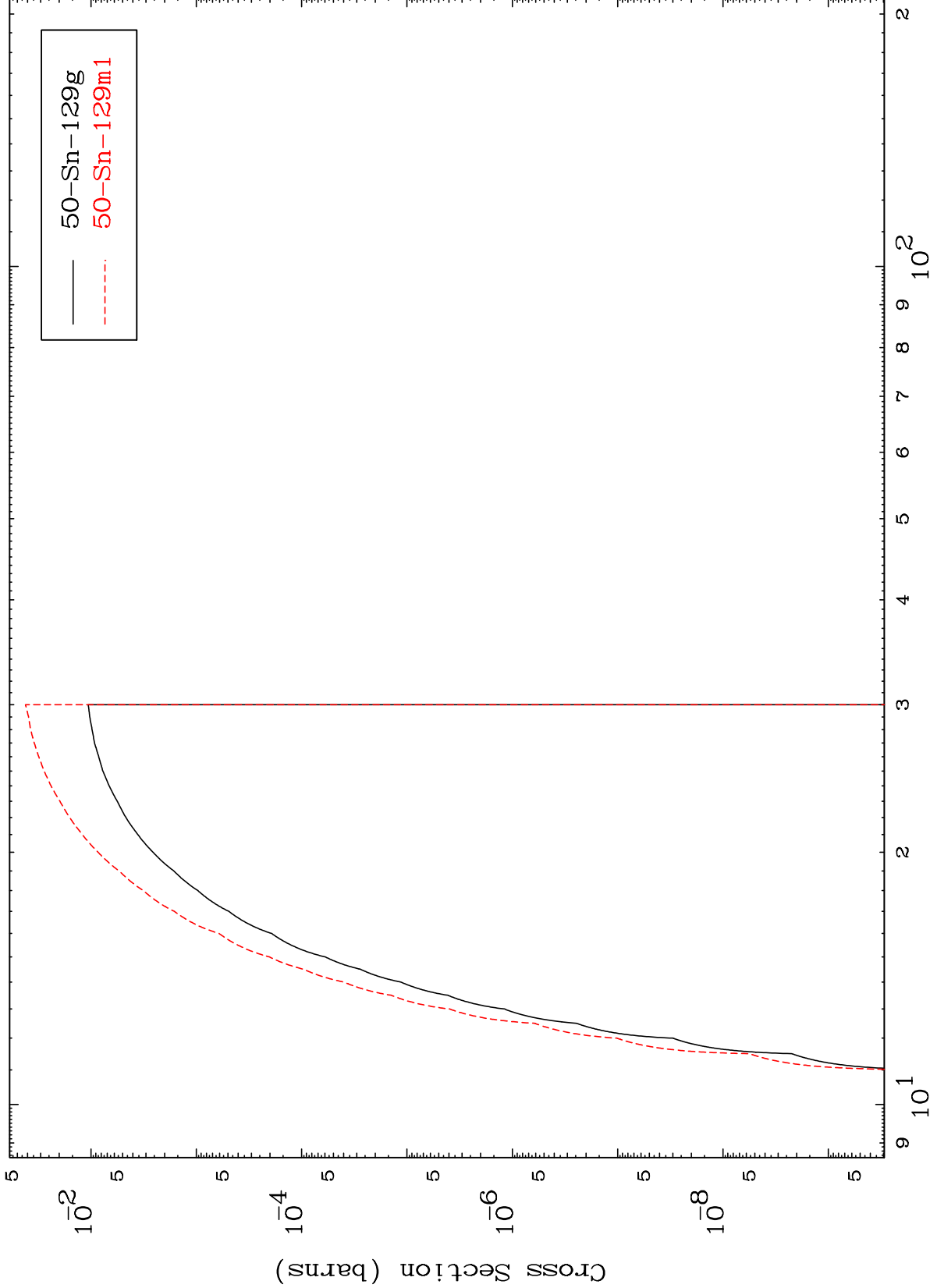
51-Sb-130

MAT 5153

(n,n') p

51-Sb-130

Radionuclide Production Cross Section

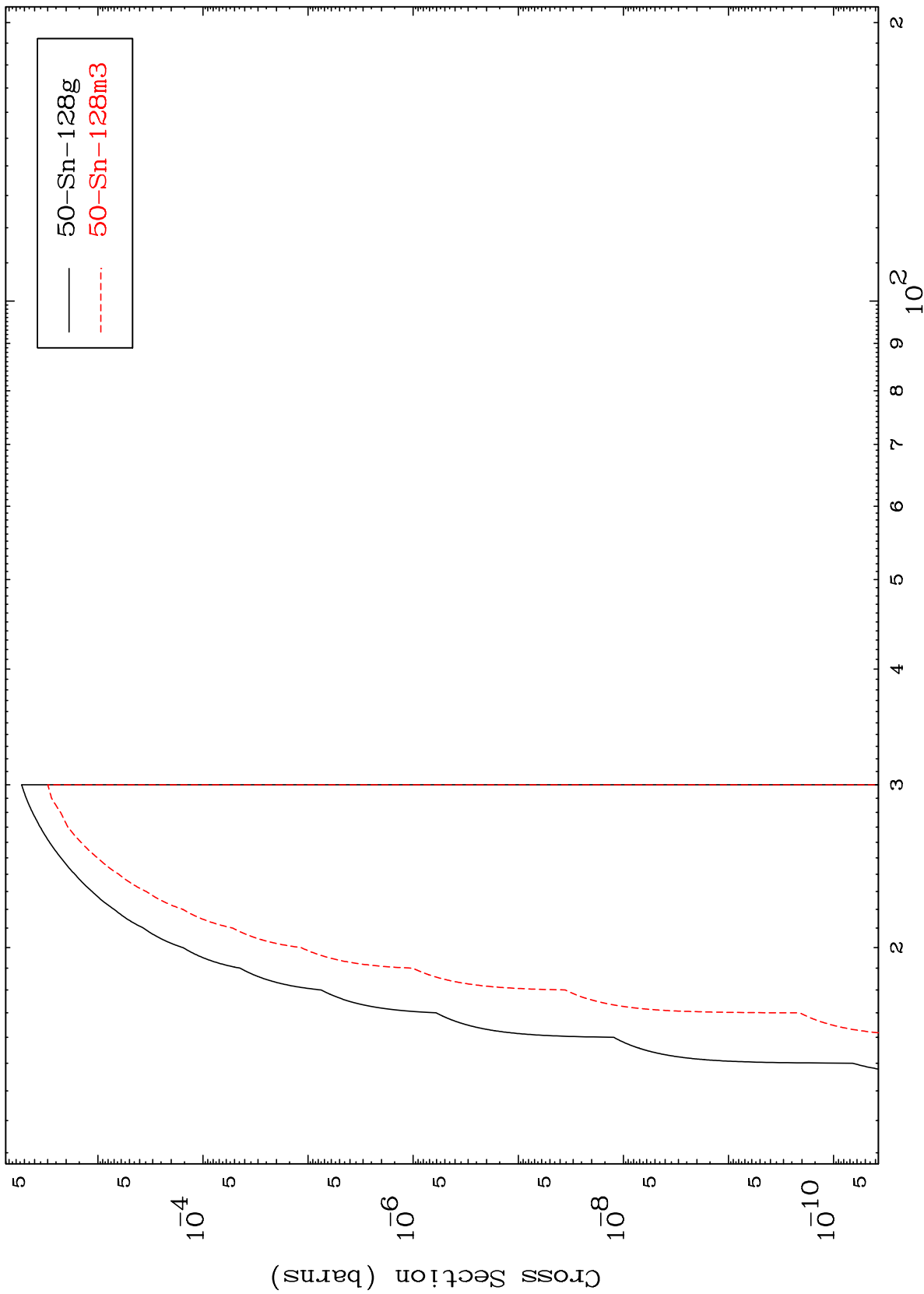


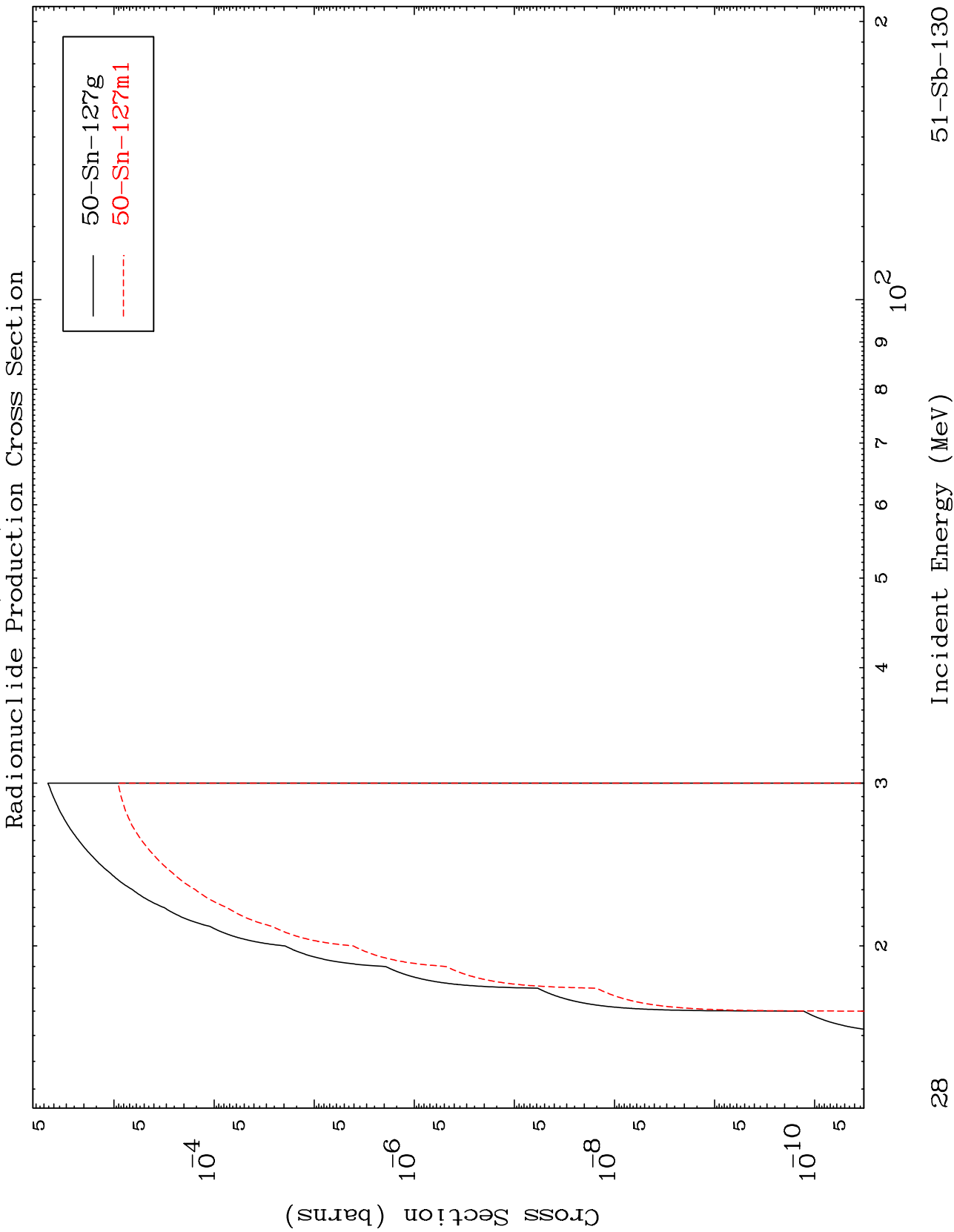
26

Incident Energy (MeV)

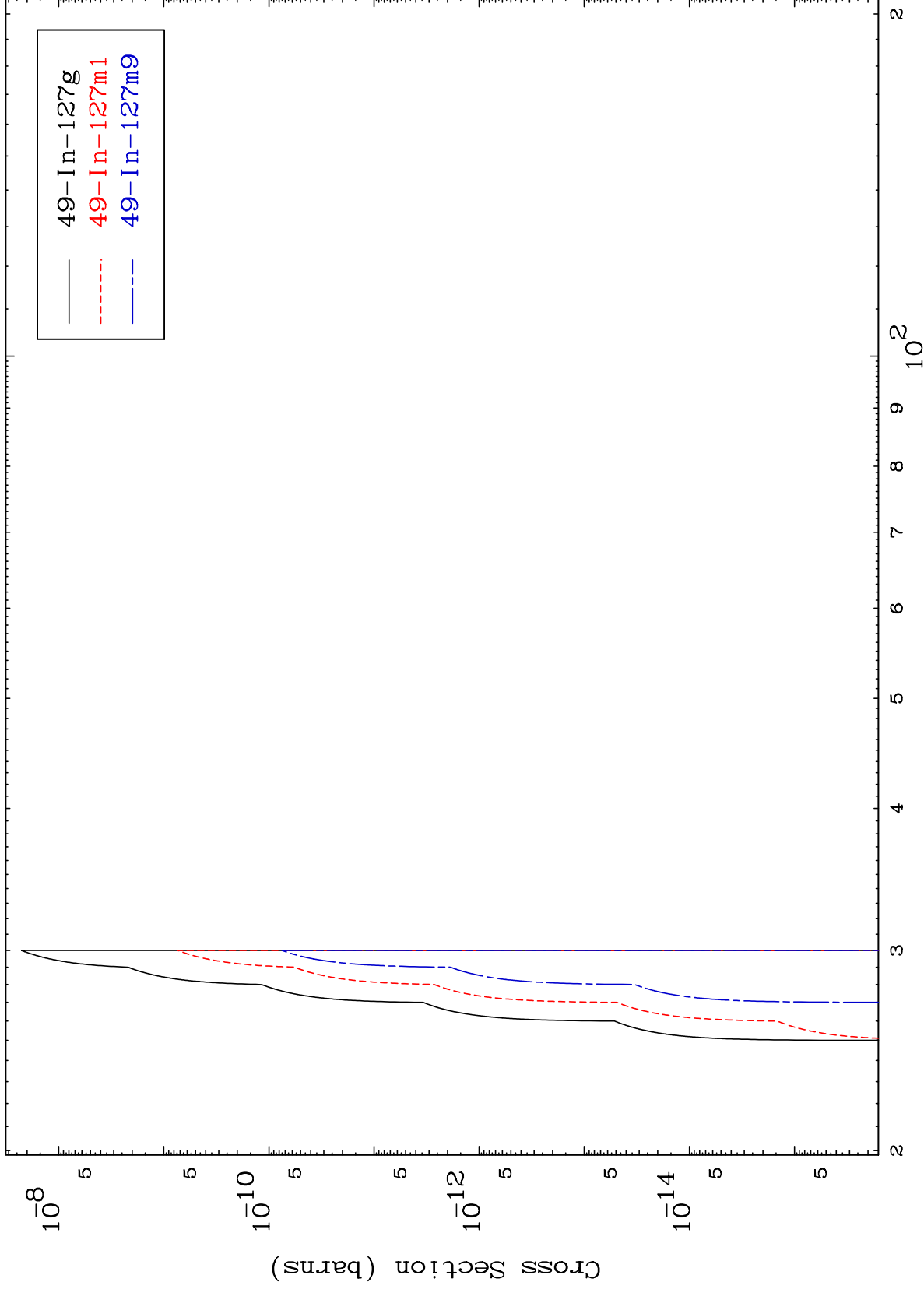
51-Sb-130

Radionuclide Production Cross Section





Radionuclide Production Cross Section

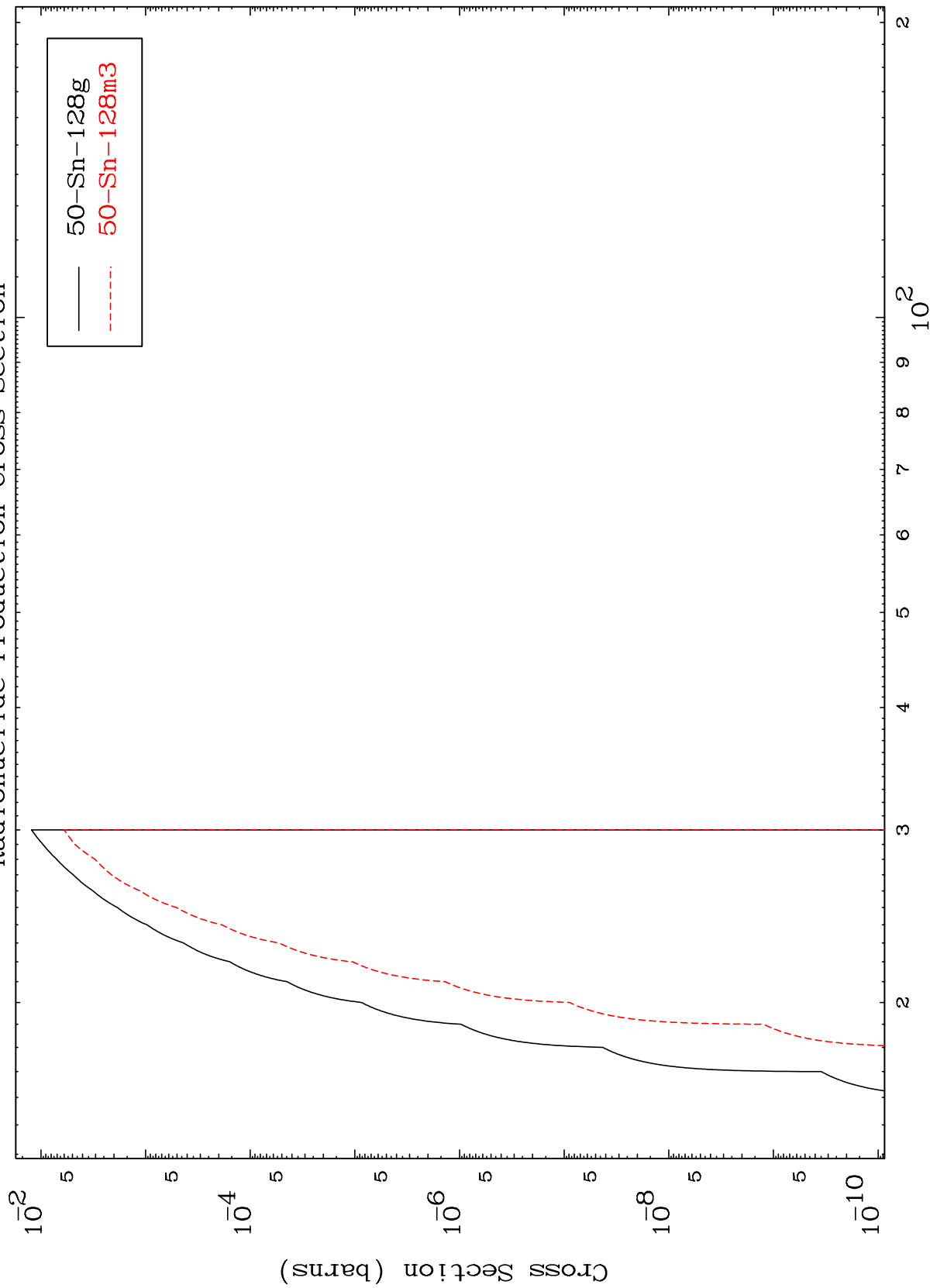


MAT 5153

(n,2n) p

51-Sb-130

Radionuclide Production Cross Section



30

Incident Energy (MeV)

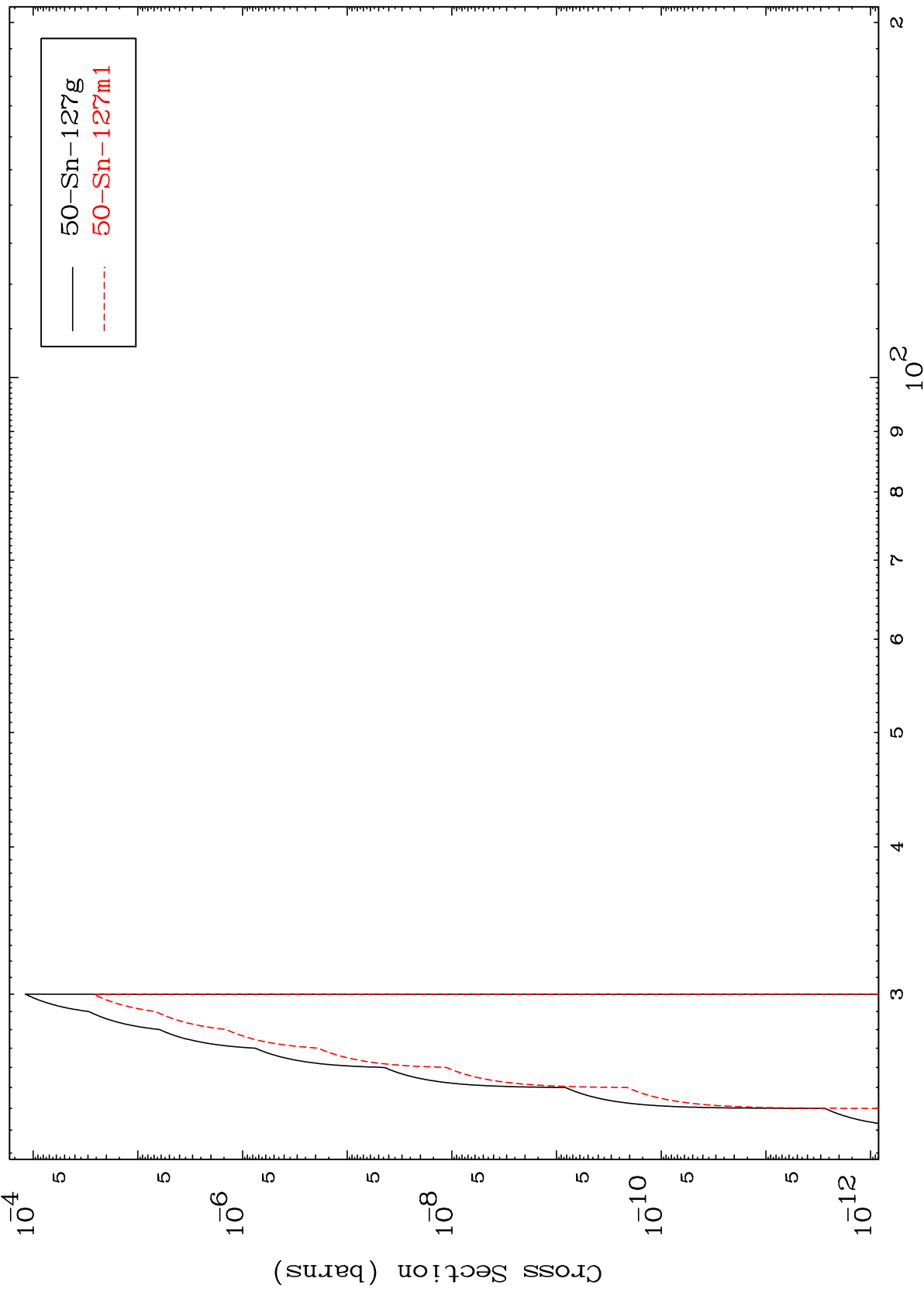
51-Sb-130

MAT 5153

(n,3n) p

51-Sb-130

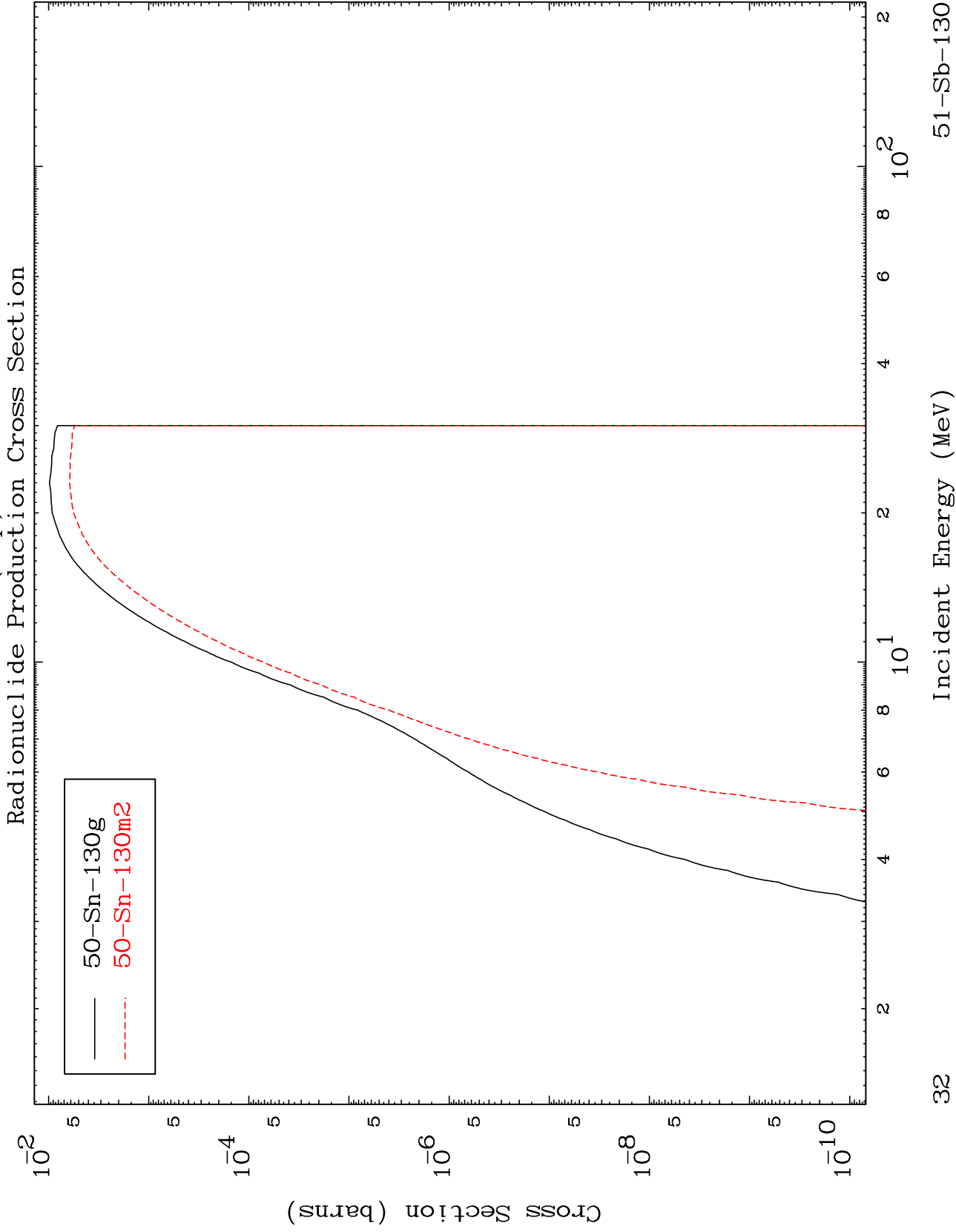
Radionuclide Production Cross Section



50-Sn-127g
50-Sn-127m1

MAT 5153

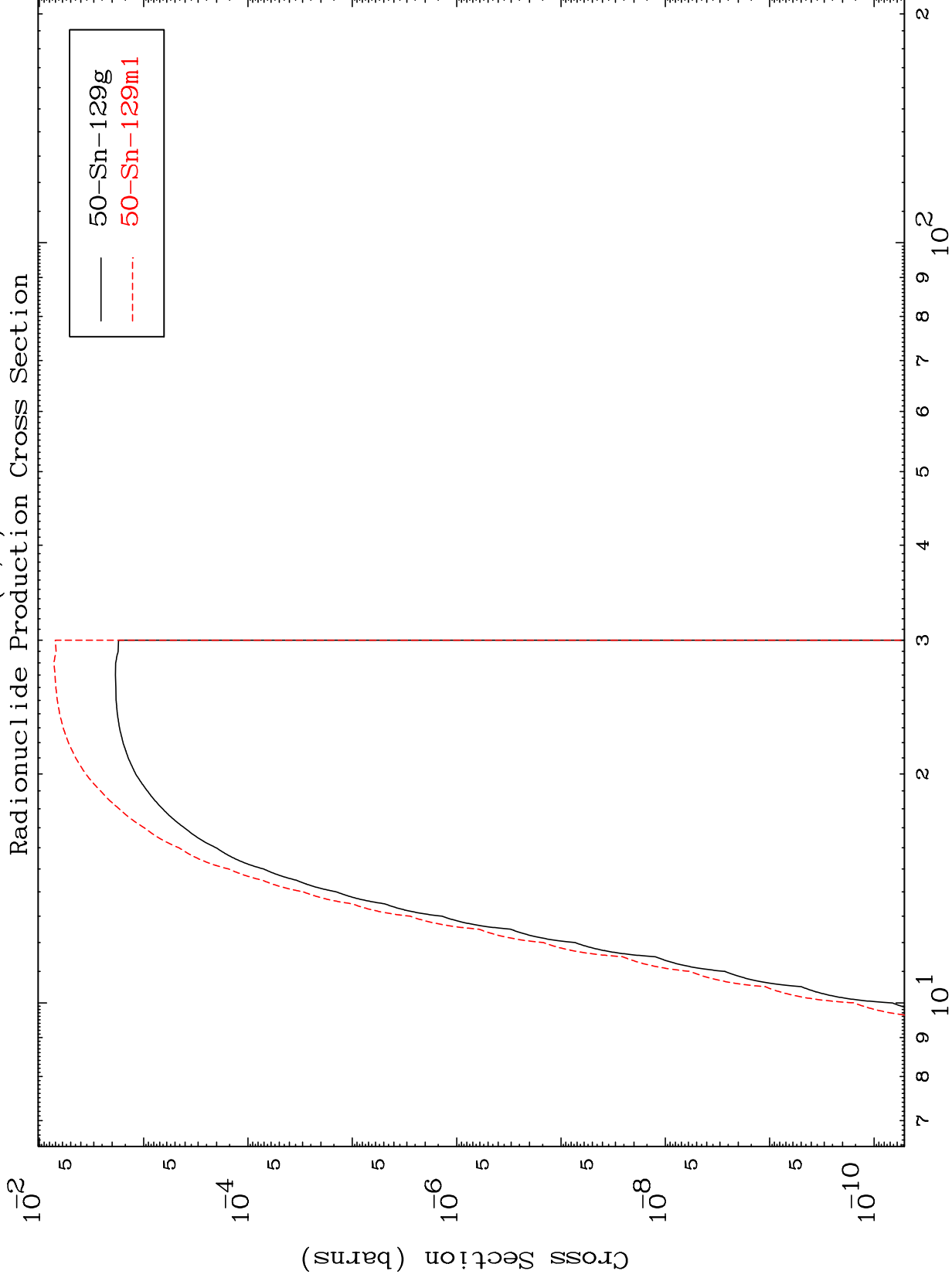
51-Sb-130



MAT 5153

(n,d)

51-Sb-130



33

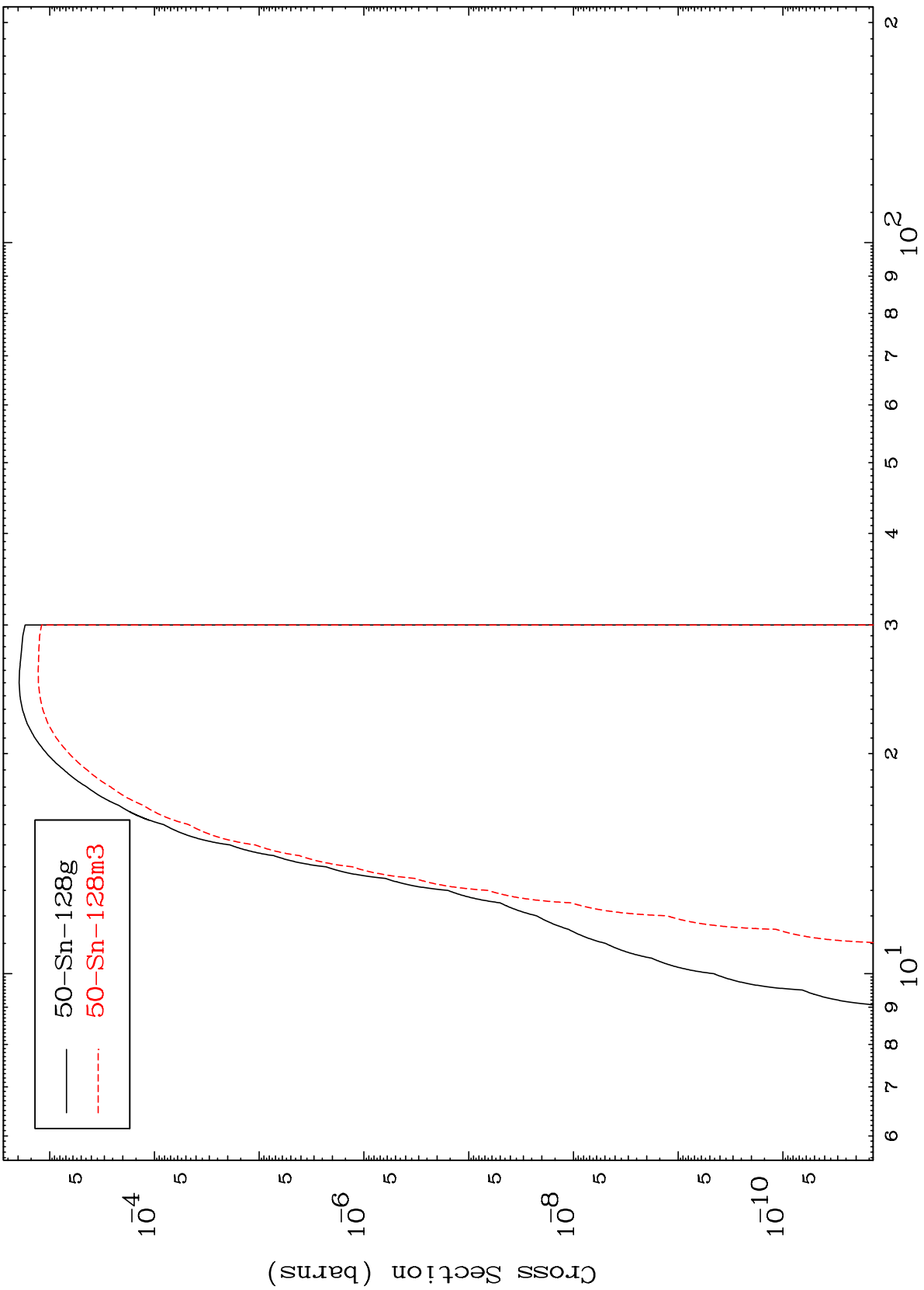
Incident Energy (MeV)

51-Sb-130

MAT 5153

51-Sb-130

(n,t)
Radionuclide Production Cross Section



34

Incident Energy (MeV)

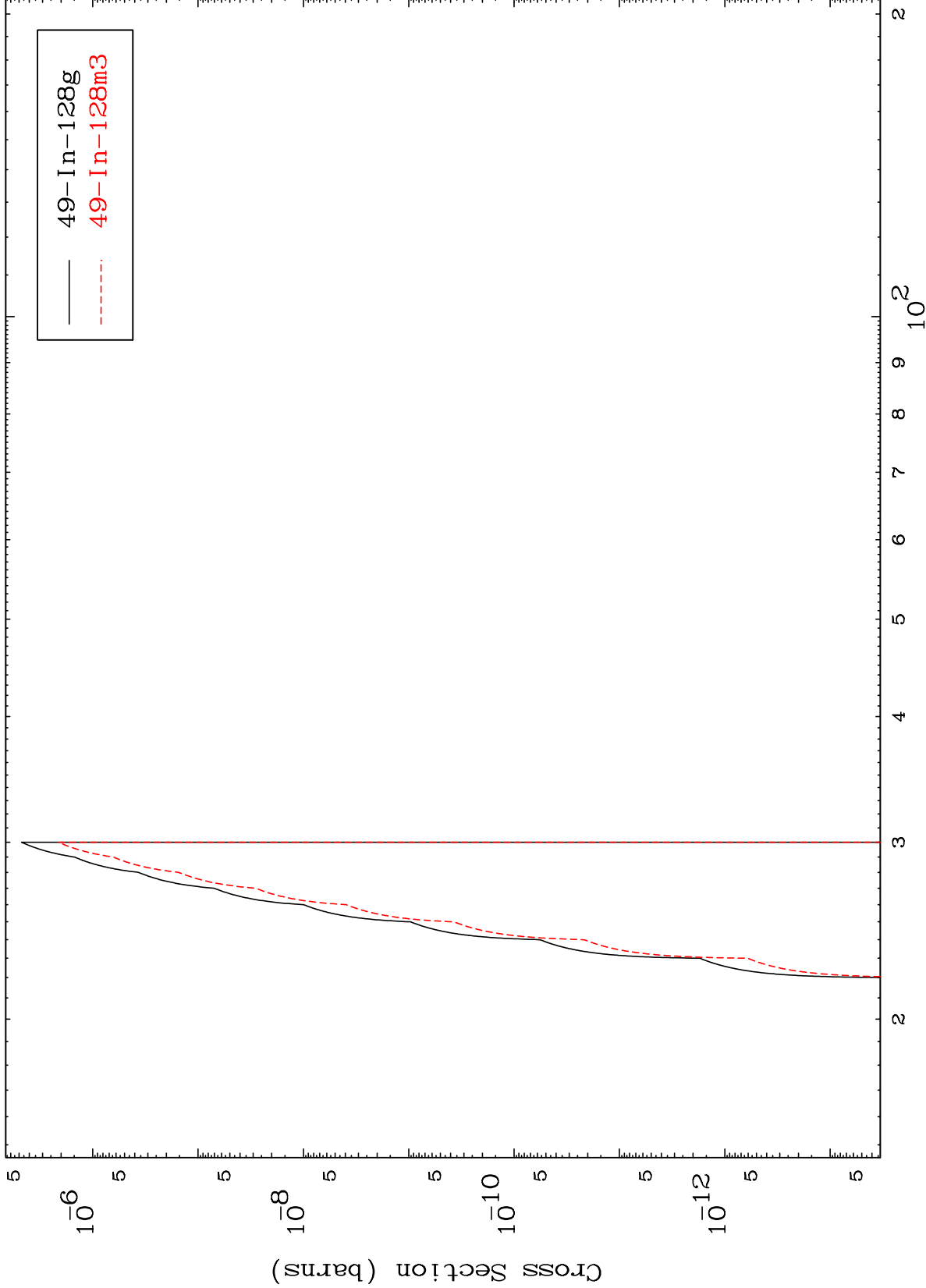
51-Sb-130

MAT 5153

(n,He-3)

51-Sb-130

Radionuclide Production Cross Section

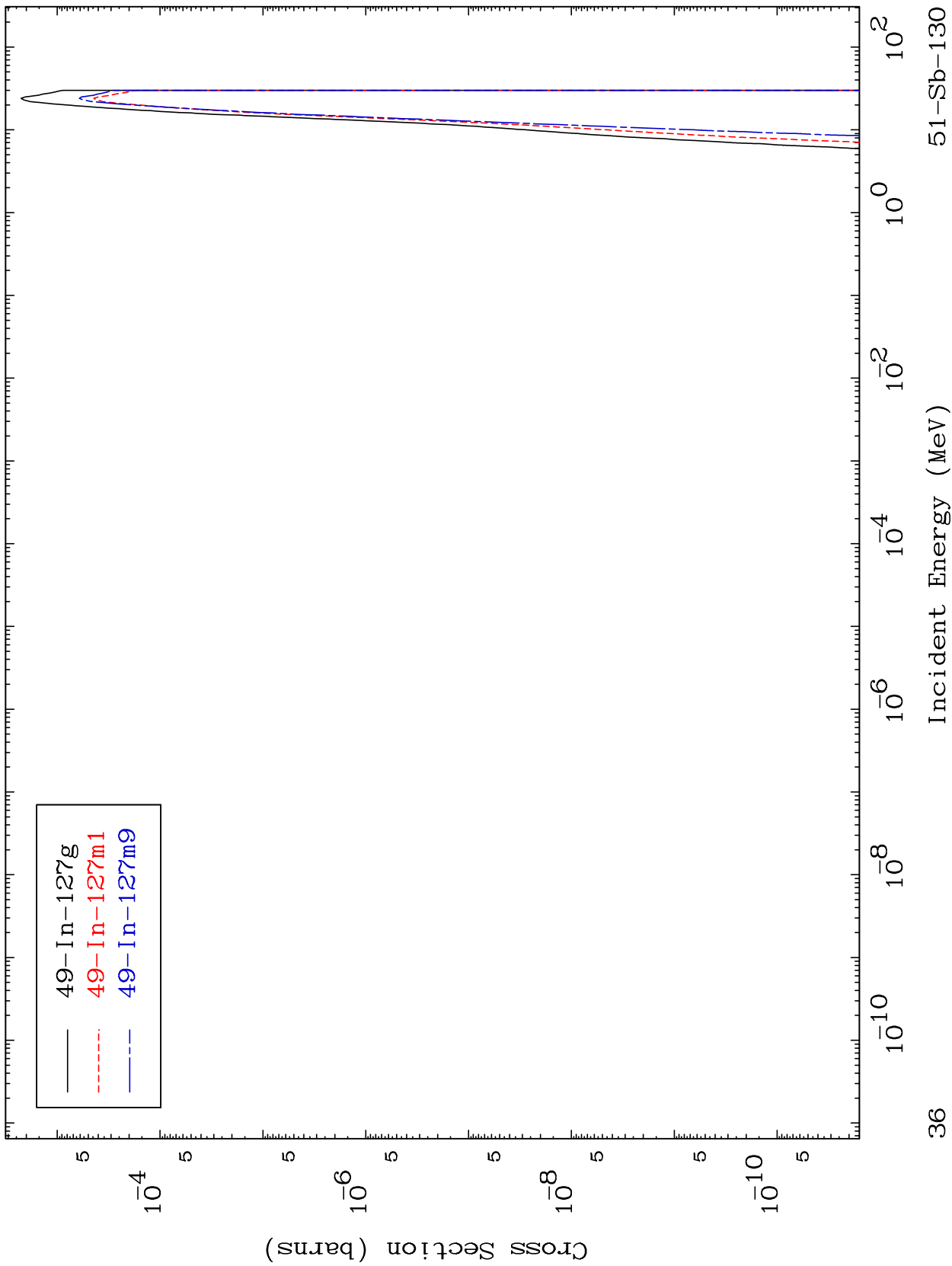


35

Incident Energy (MeV)

51-Sb-130

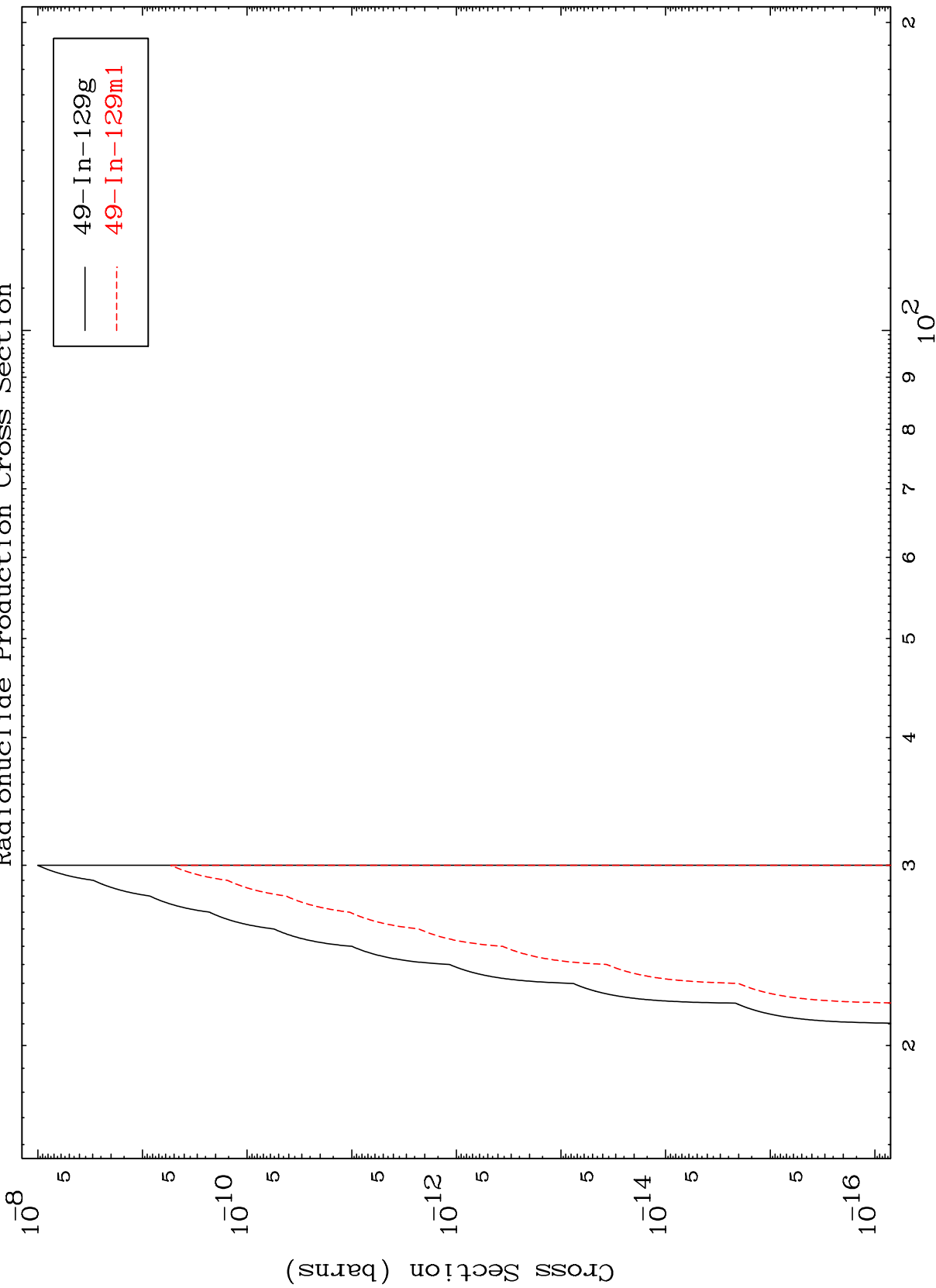
Radionuclide Production Cross Section (n,α)



MAT 5153

51-Sb-130

(n,2p)
Radionuclide Production Cross Section



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51-Sb-130

Incident Energy (MeV)