

Program EVALPLOT
(Version 2018-1)

by

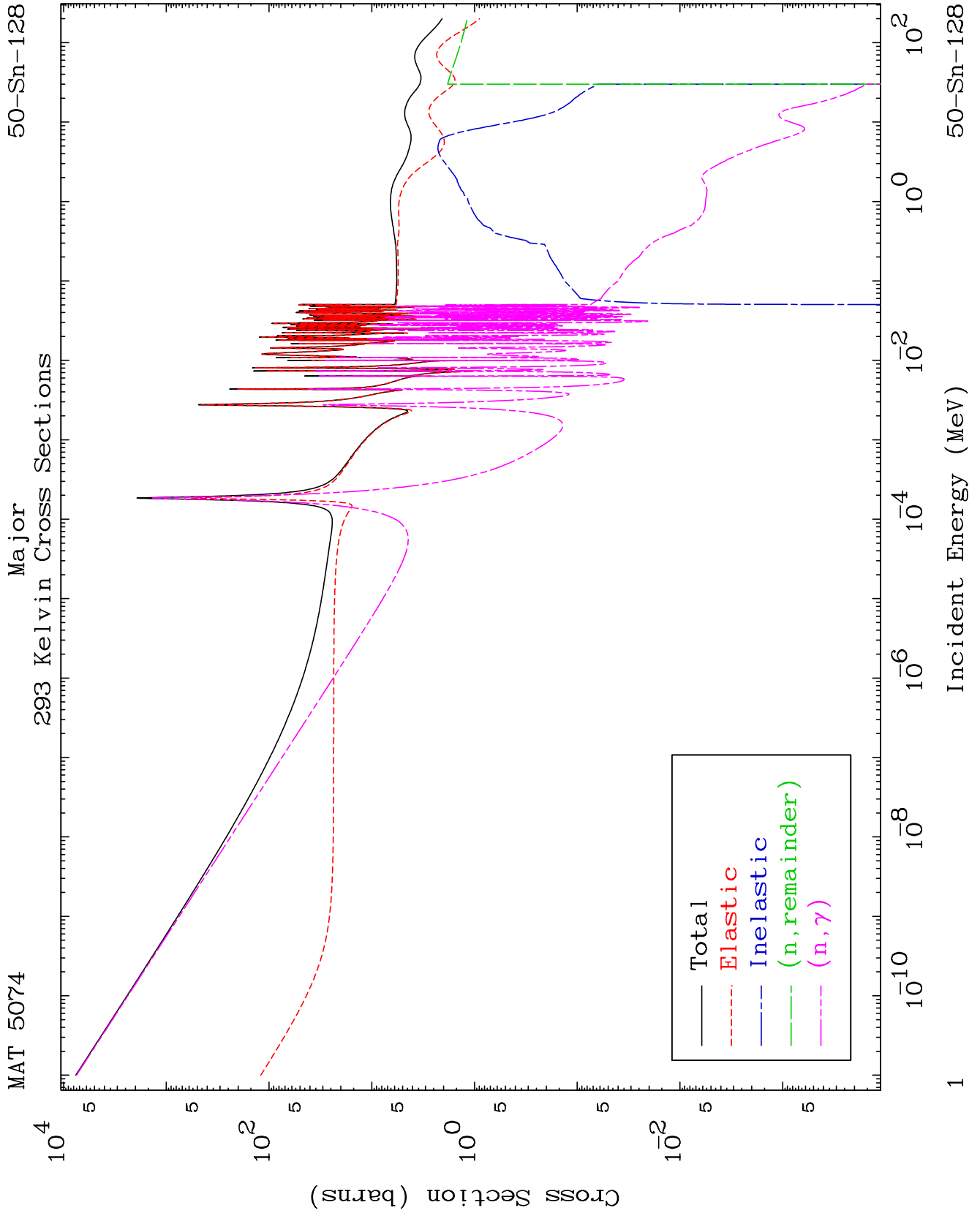
Dermott E. Cullen
(Present Contact Information)

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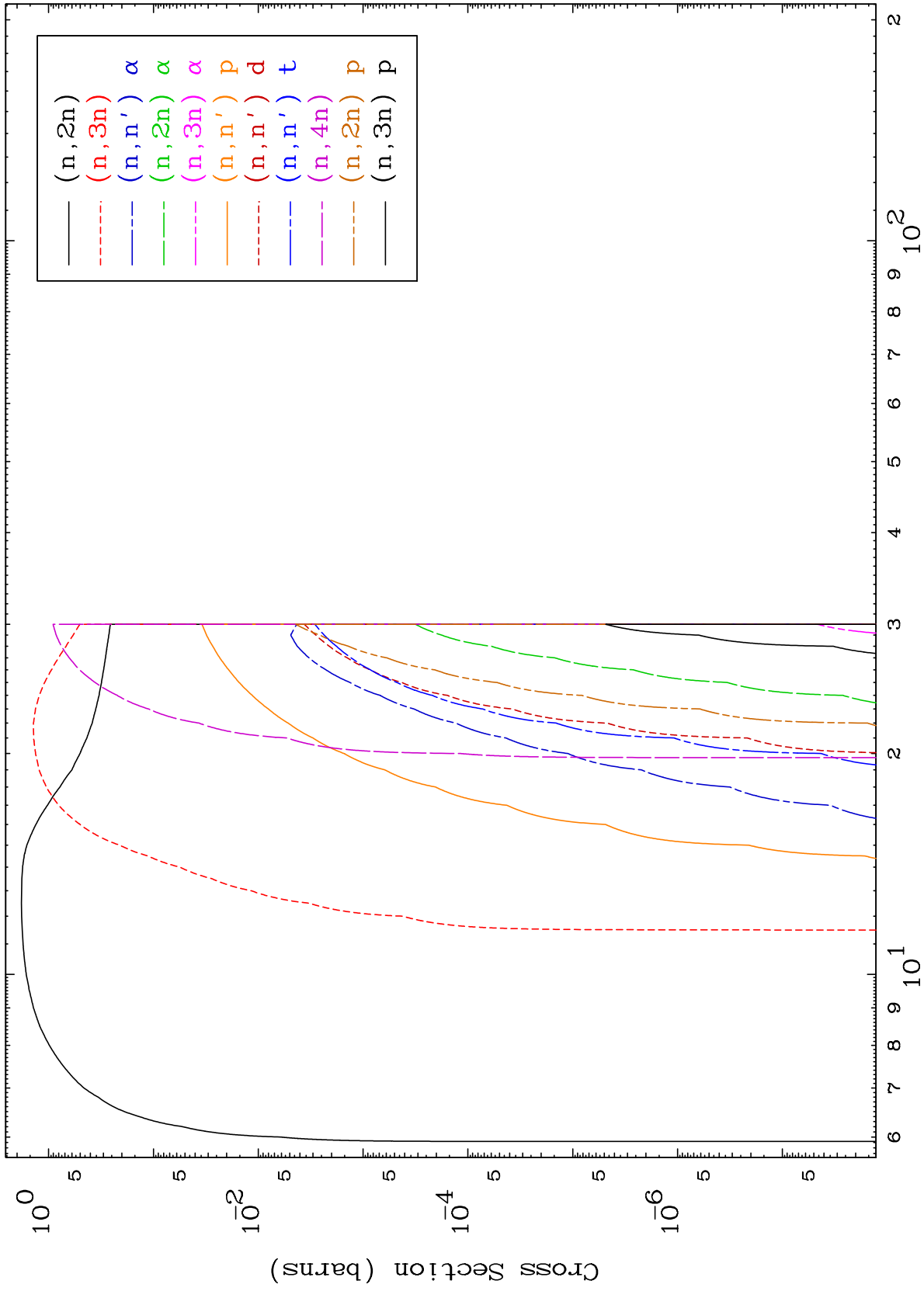
Press Mouse Button to Start



MAT 5074

Neutron Production
293 Kelvin Cross Sections

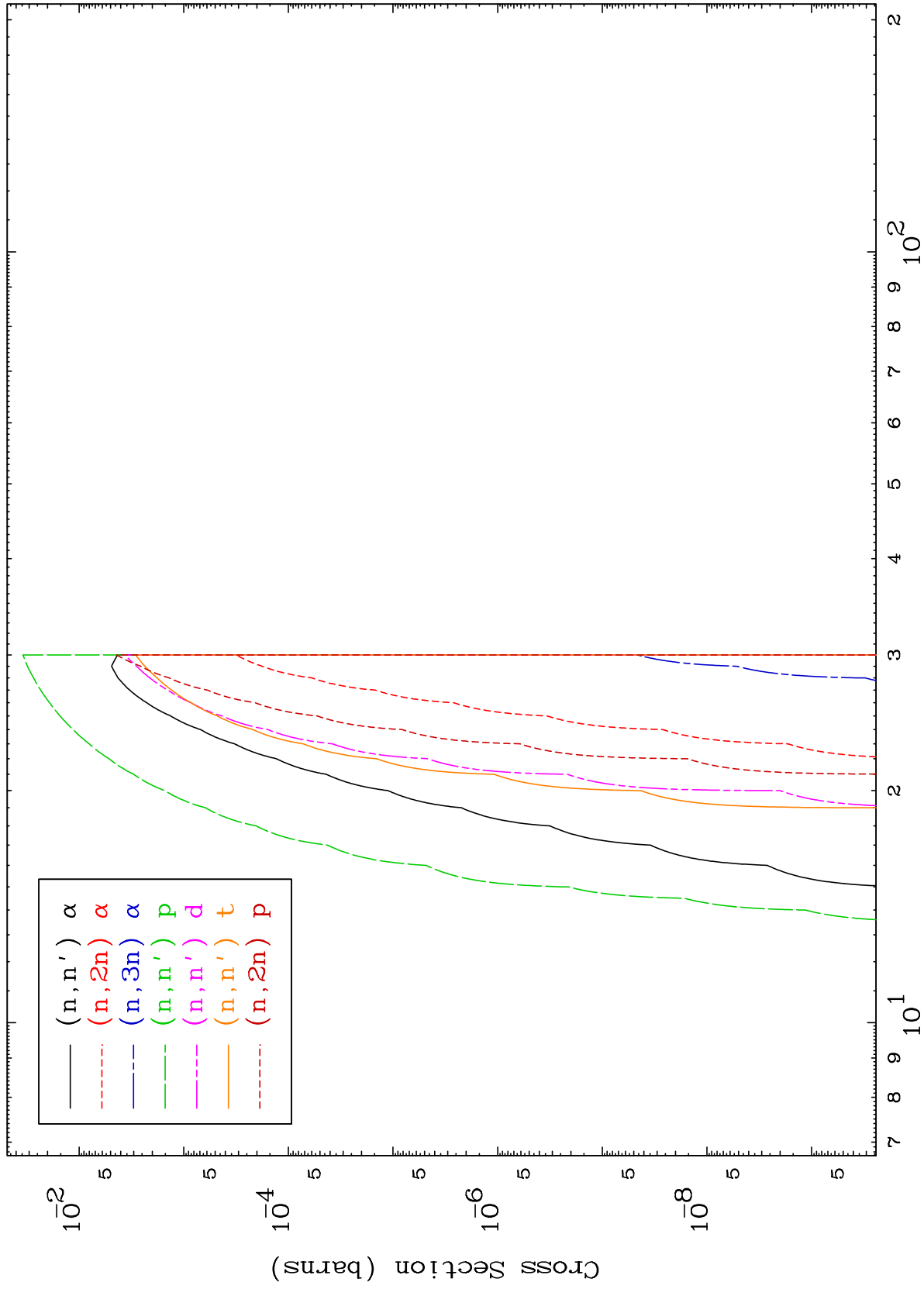
50-Sn-128



2

Incident Energy (MeV)

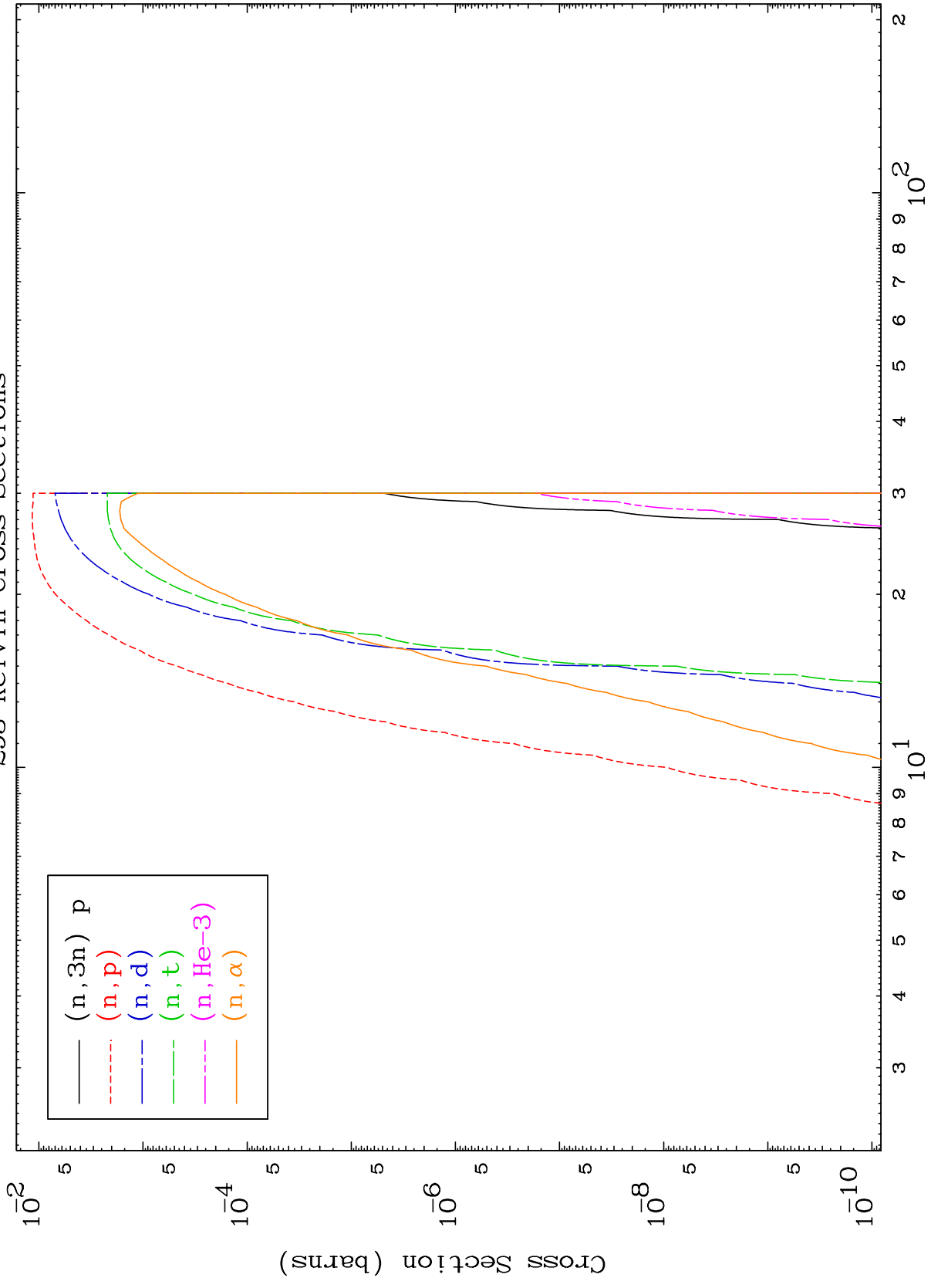
50-Sn-128



MAT 5074

Charged Particle
293 Kelvin Cross Sections

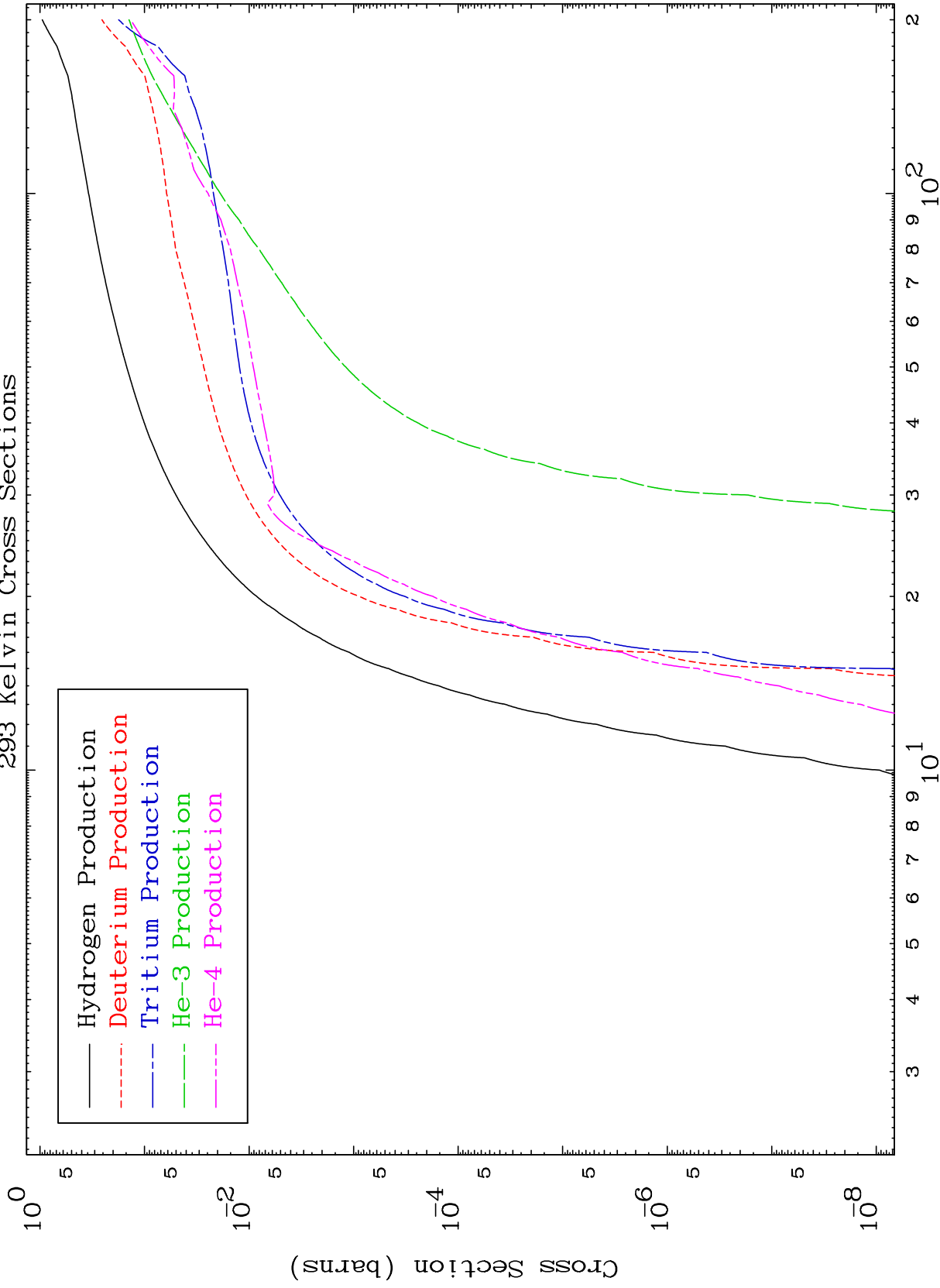
50-Sn-128



MAT 5074

293 Kelvin Production

50-Sn-128

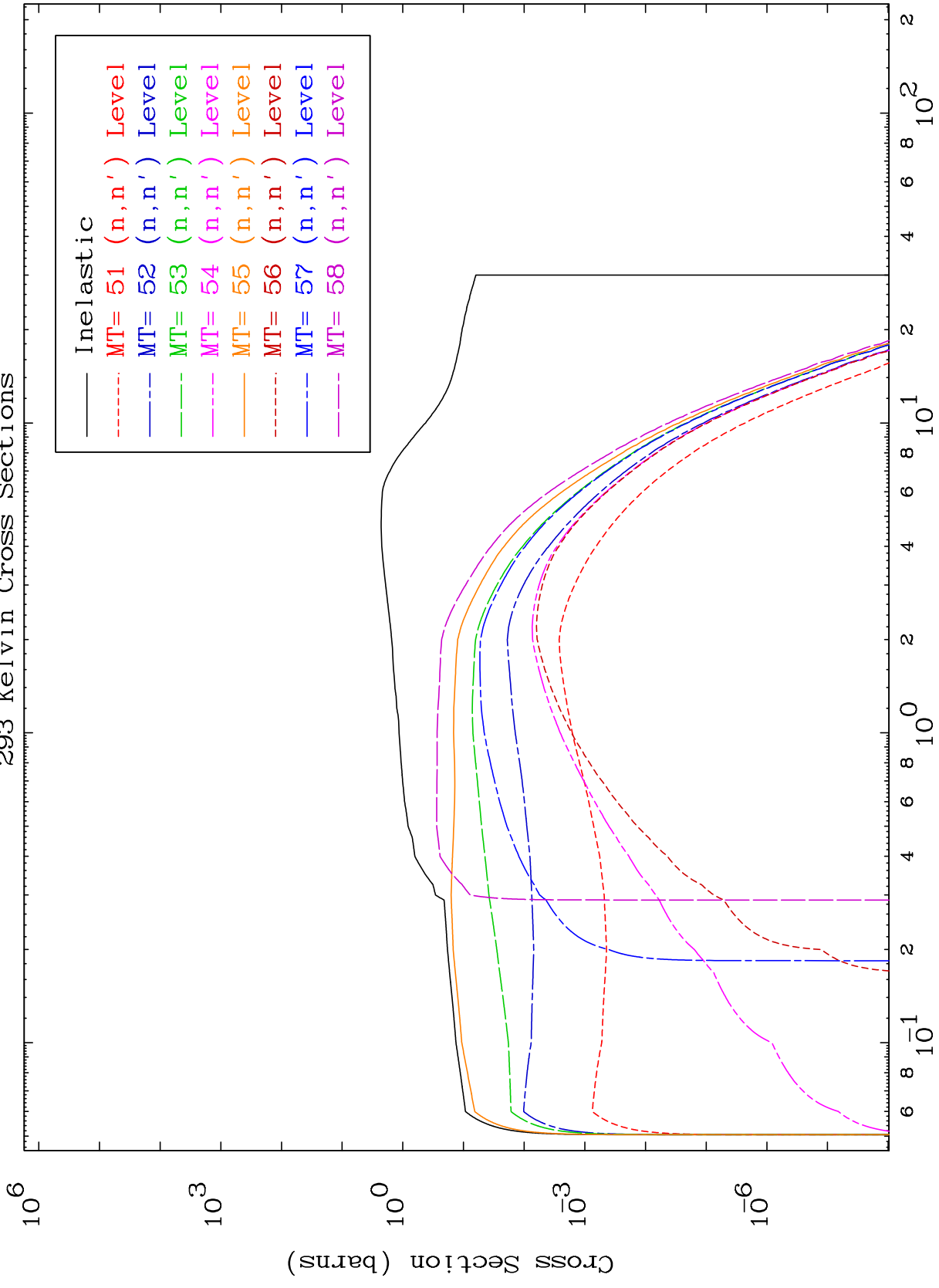


MAT 5074

(n,n') Level

50-Sn-128

293 Kelvin Cross Sections



6

Incident Energy (MeV)

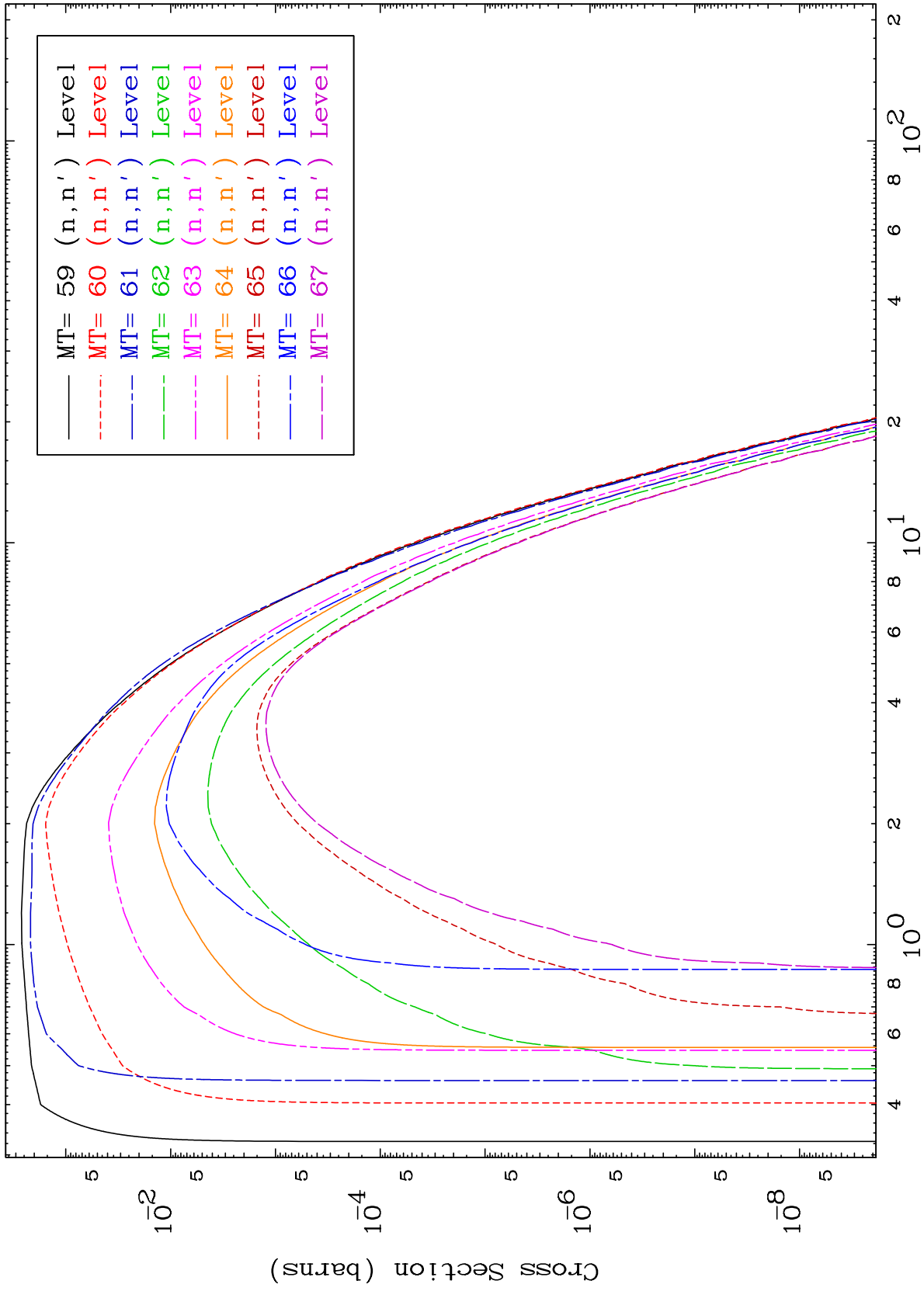
50-Sn-128

MAT 5074

(n,n') Level

50-Sn-128

293 Kelvin Cross Sections



7

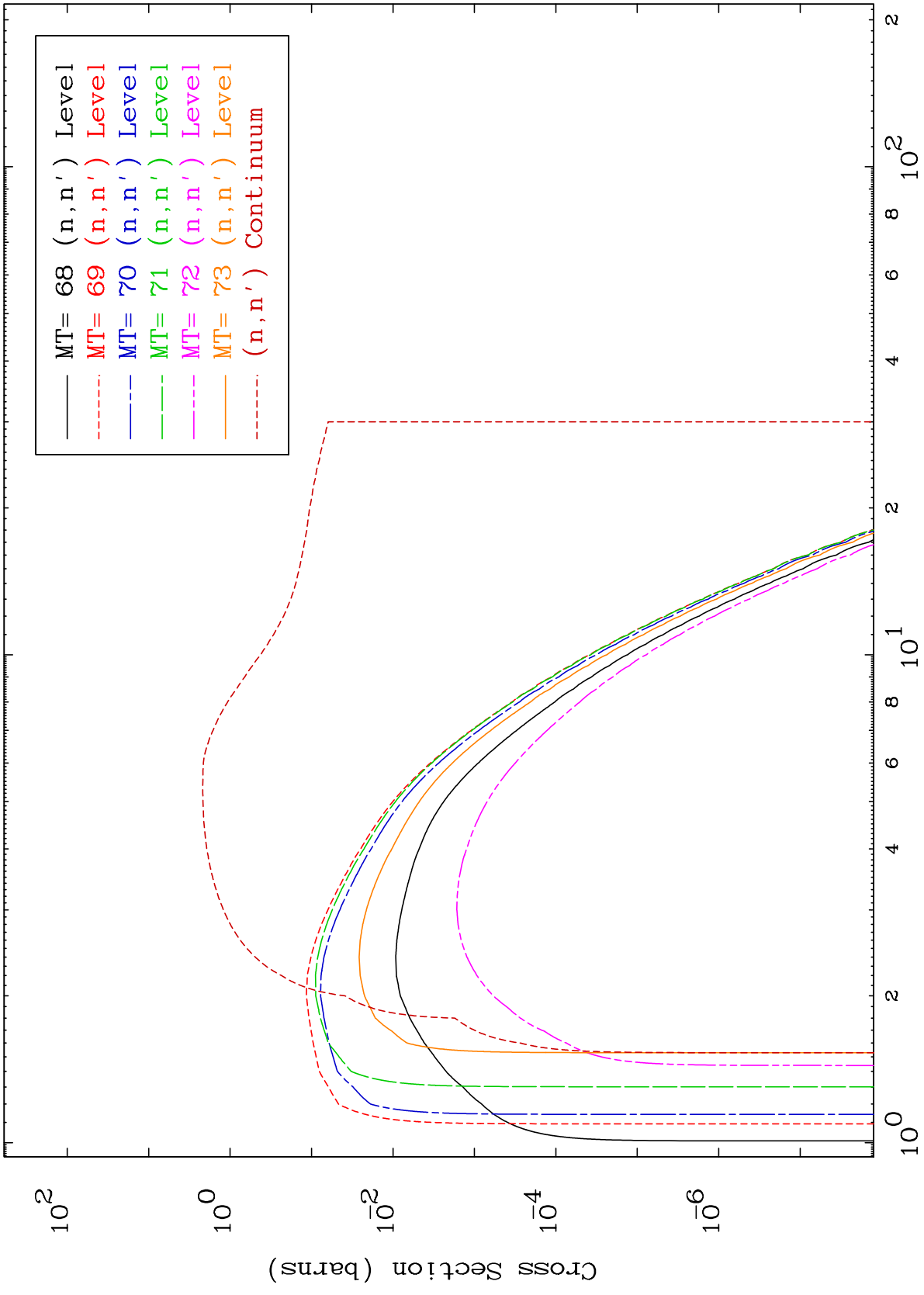
Incident Energy (MeV)

50-Sn-128

MAT 5074

(n,n') Level
293 Kelvin Cross Sections

50-Sn-128



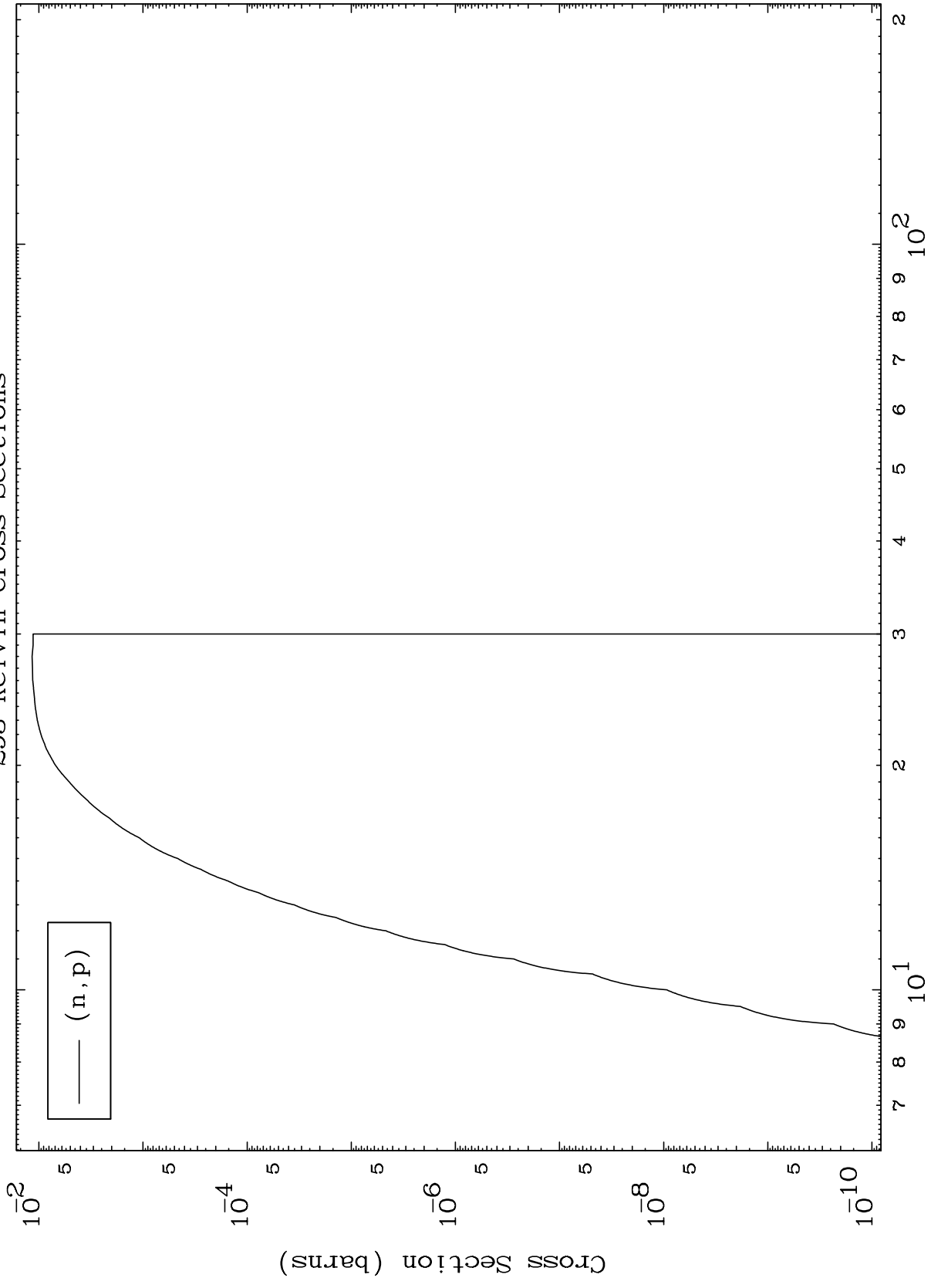
Incident Energy (MeV)

50-Sn-128

MAT 5074

(n,p) Levels
293 Kelvin Cross Sections

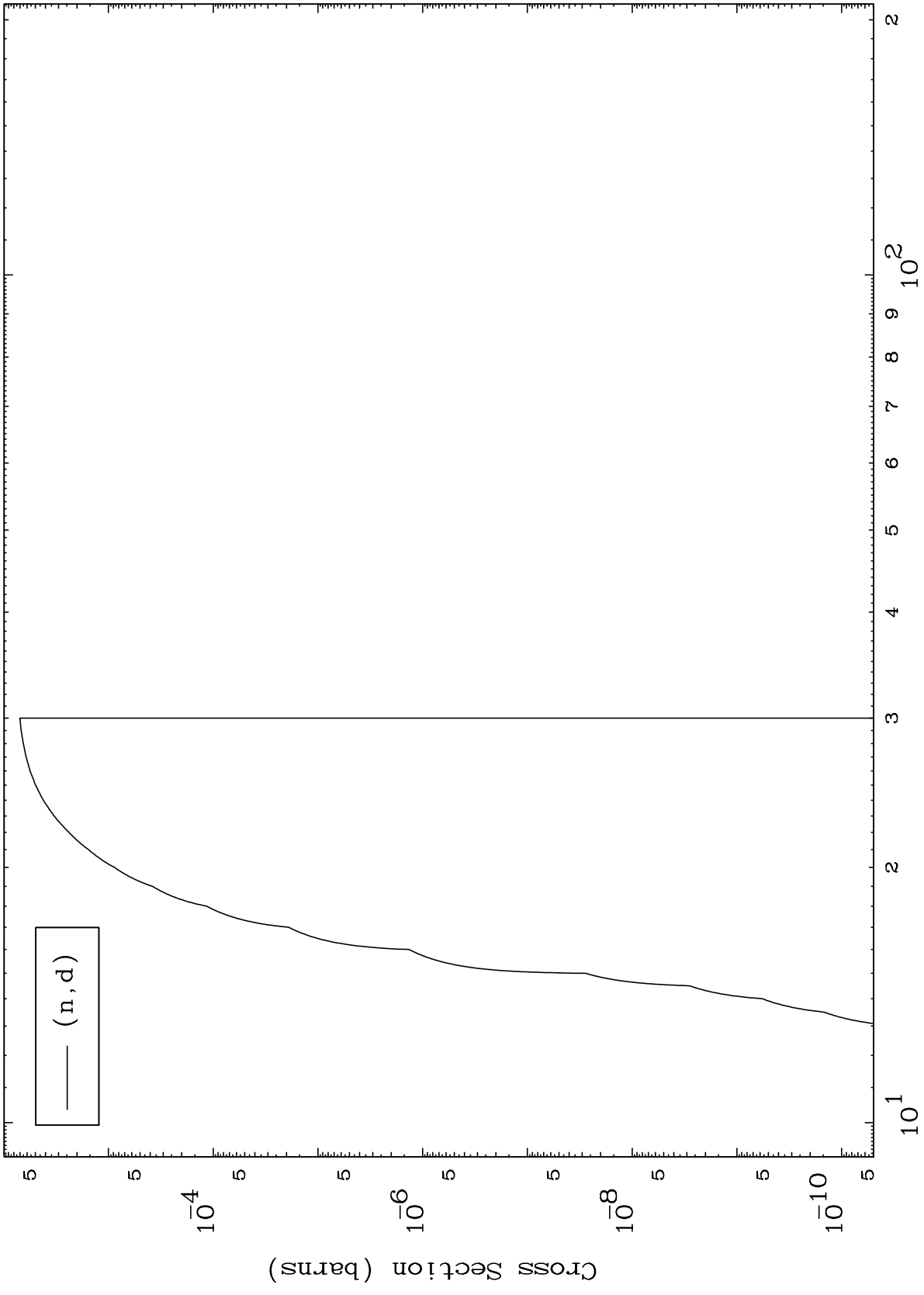
50-Sn-128



MAT 5074

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-128



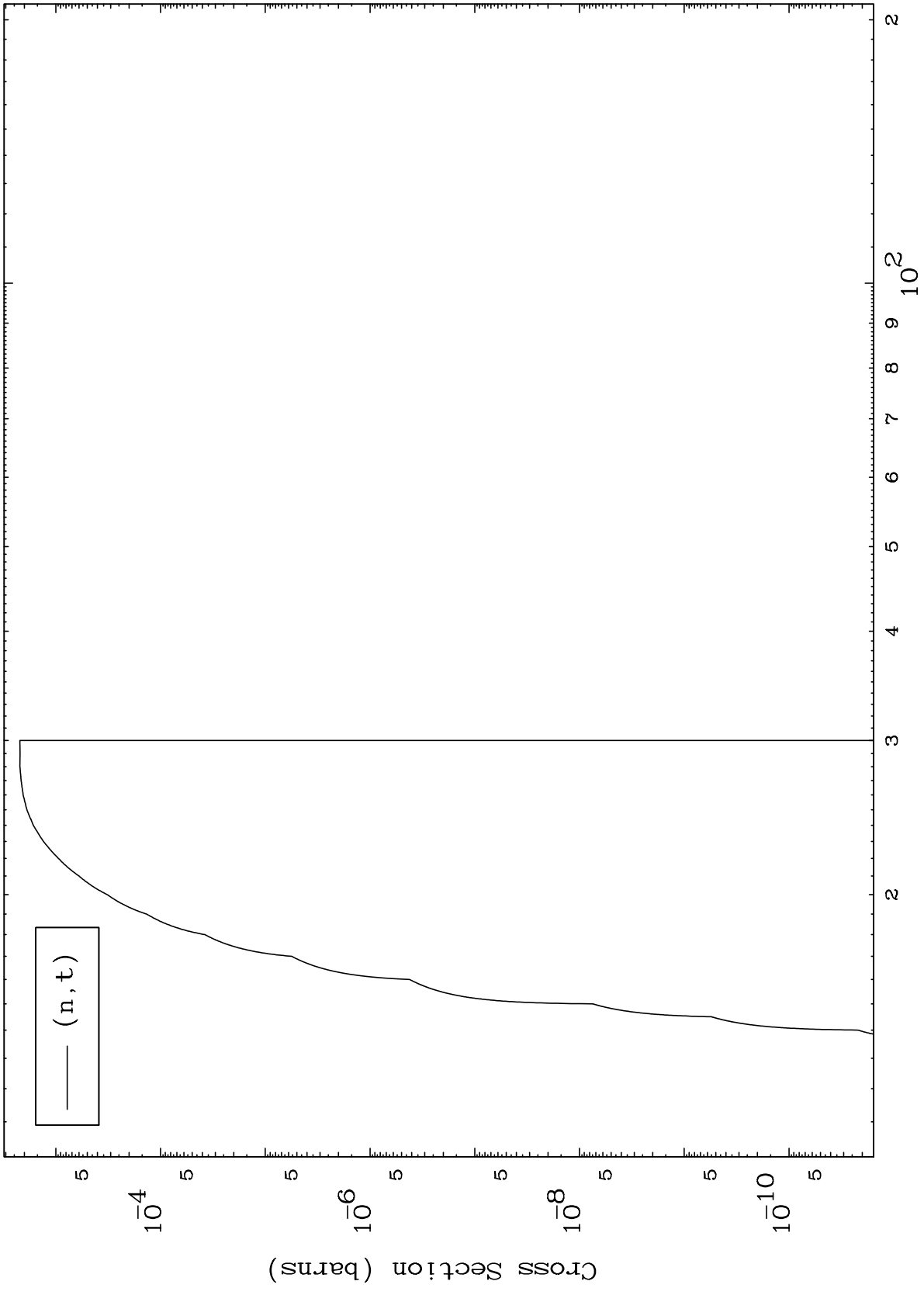
Incident Energy (MeV)

50-Sn-128

MAT 5074

(n,t) Levels
293 Kelvin Cross Sections

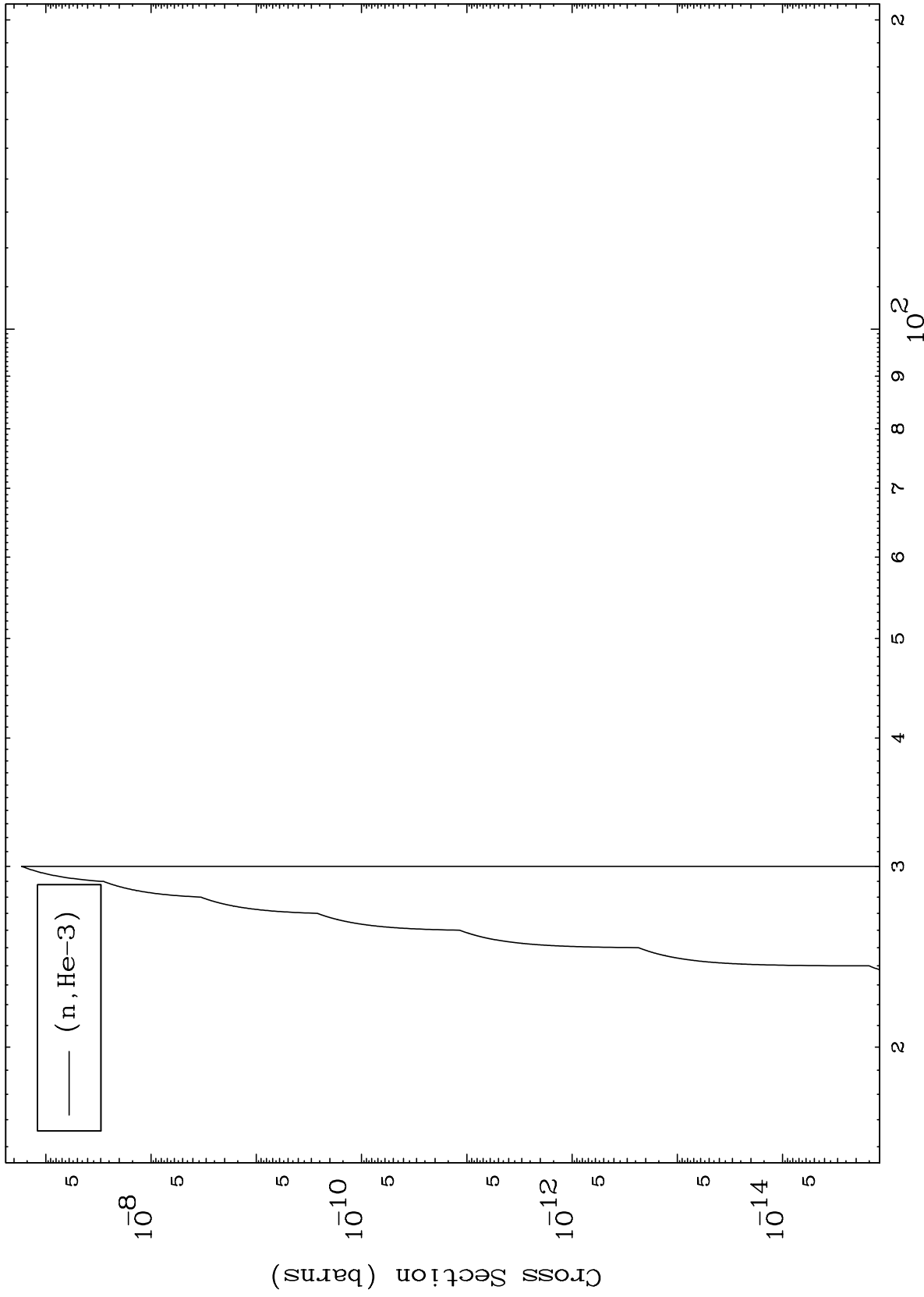
50-Sn-128



MAT 5074

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-128



12

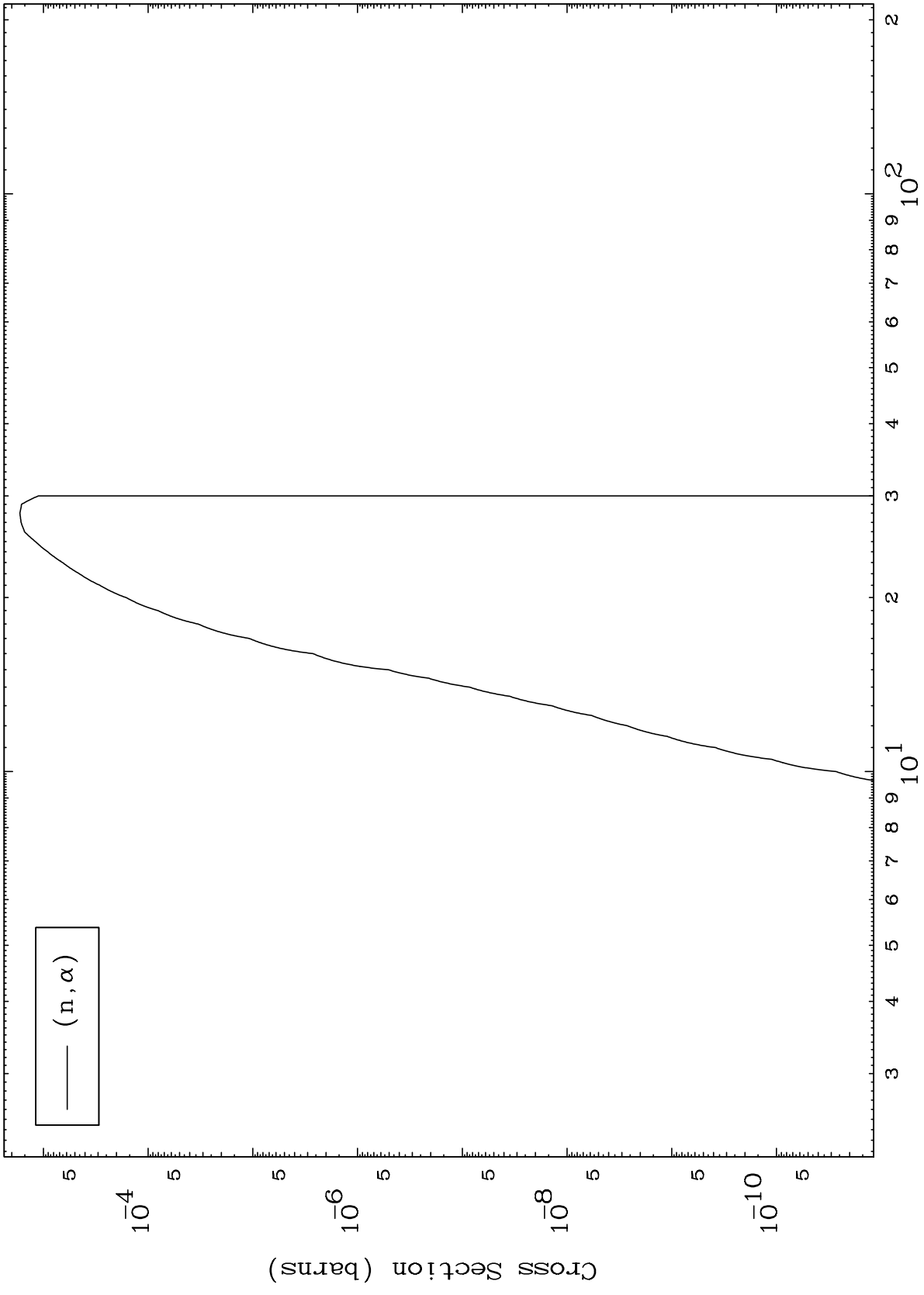
Incident Energy (MeV)

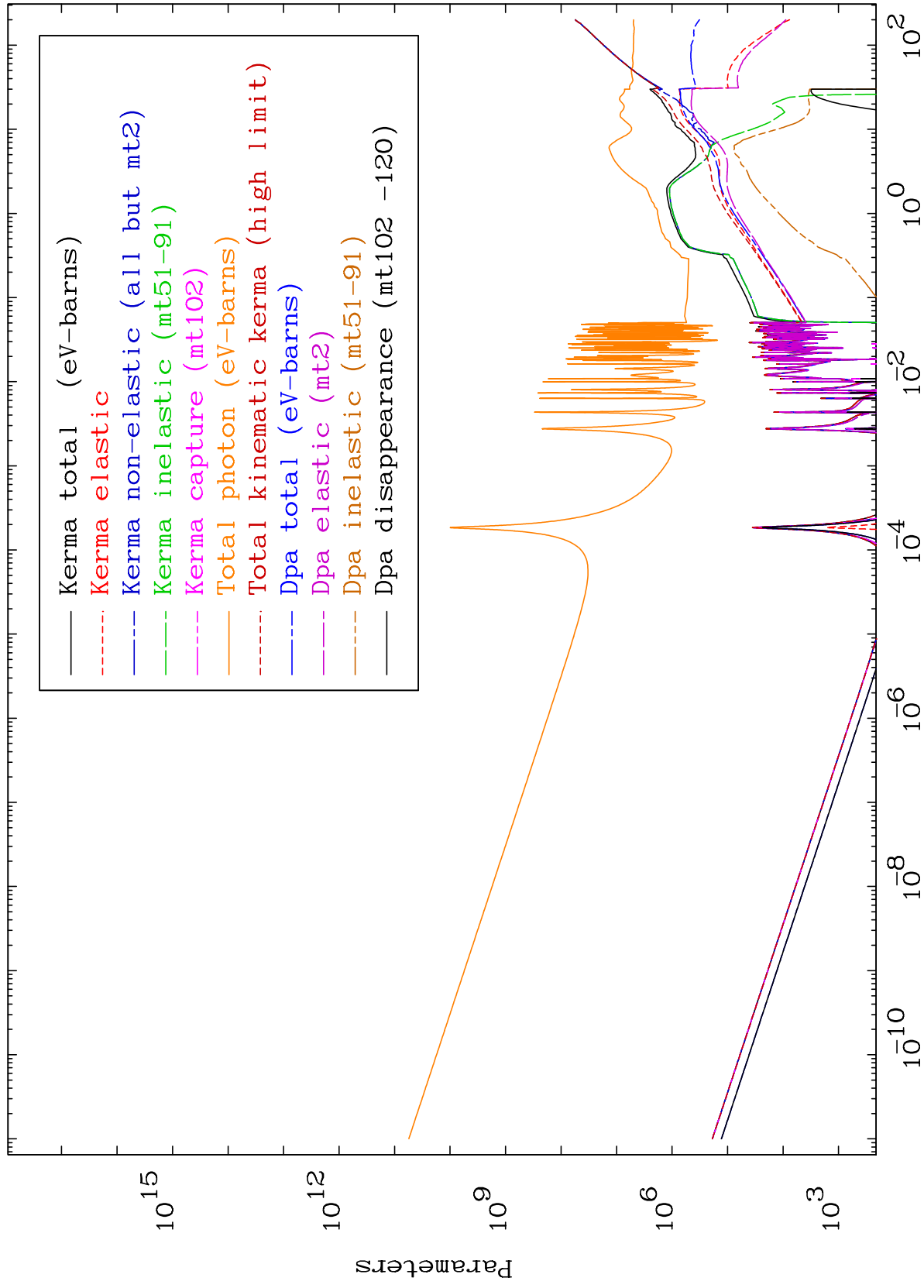
50-Sn-128

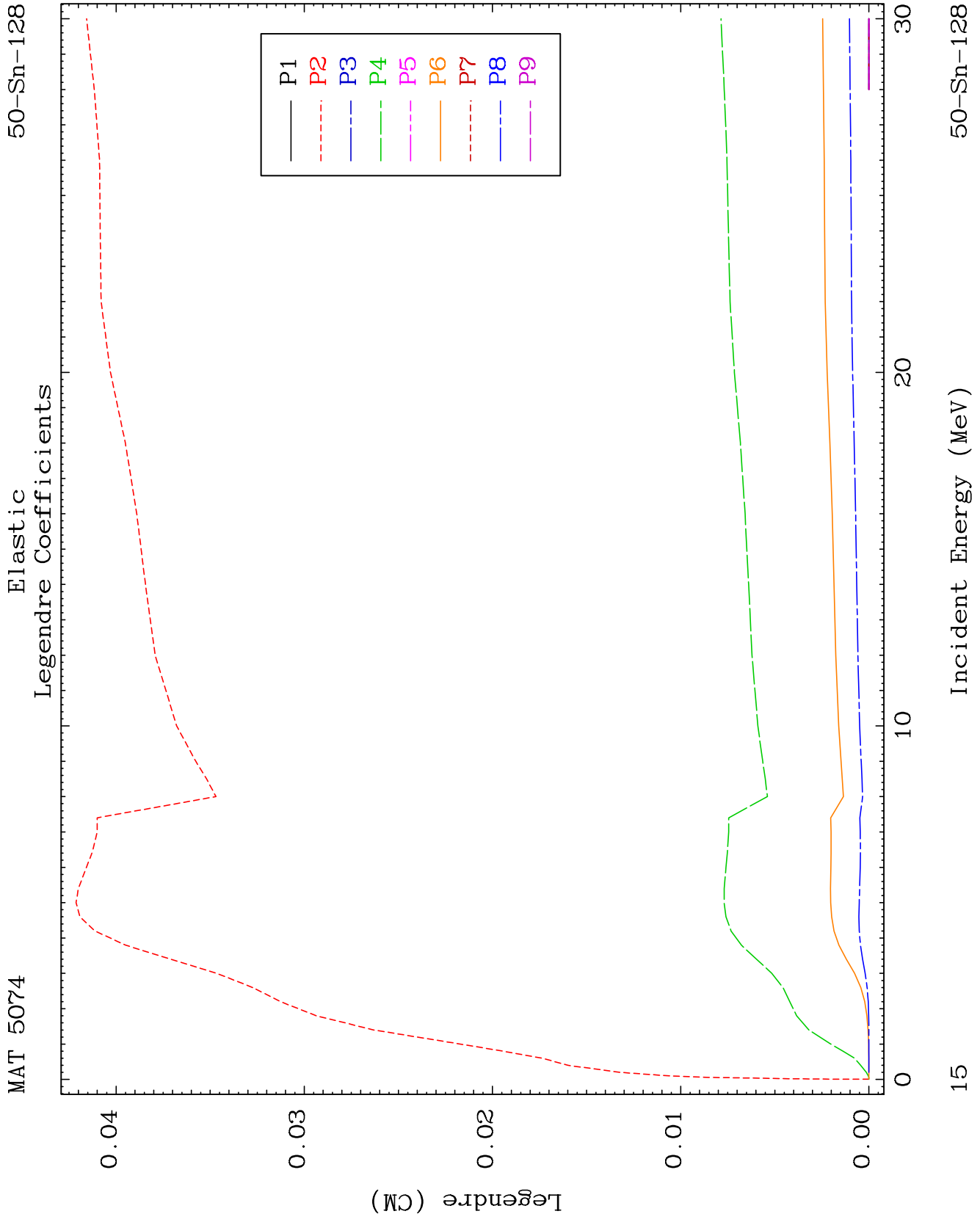
MAT 5074

(n,α) Levels
293 Kelvin Cross Sections

50-Sn-128



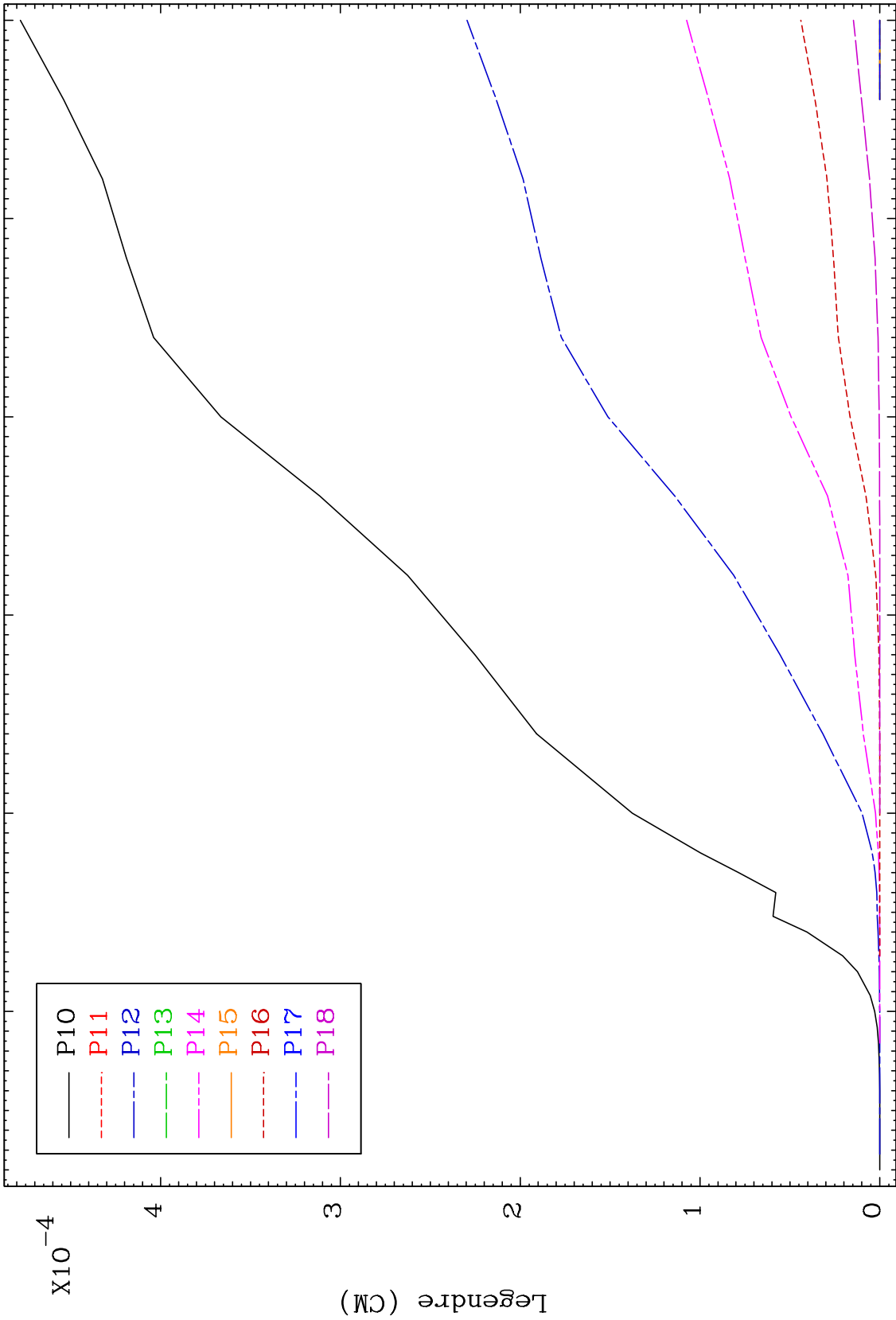




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Elastic Legendre Coefficients

50-Sn-128



16

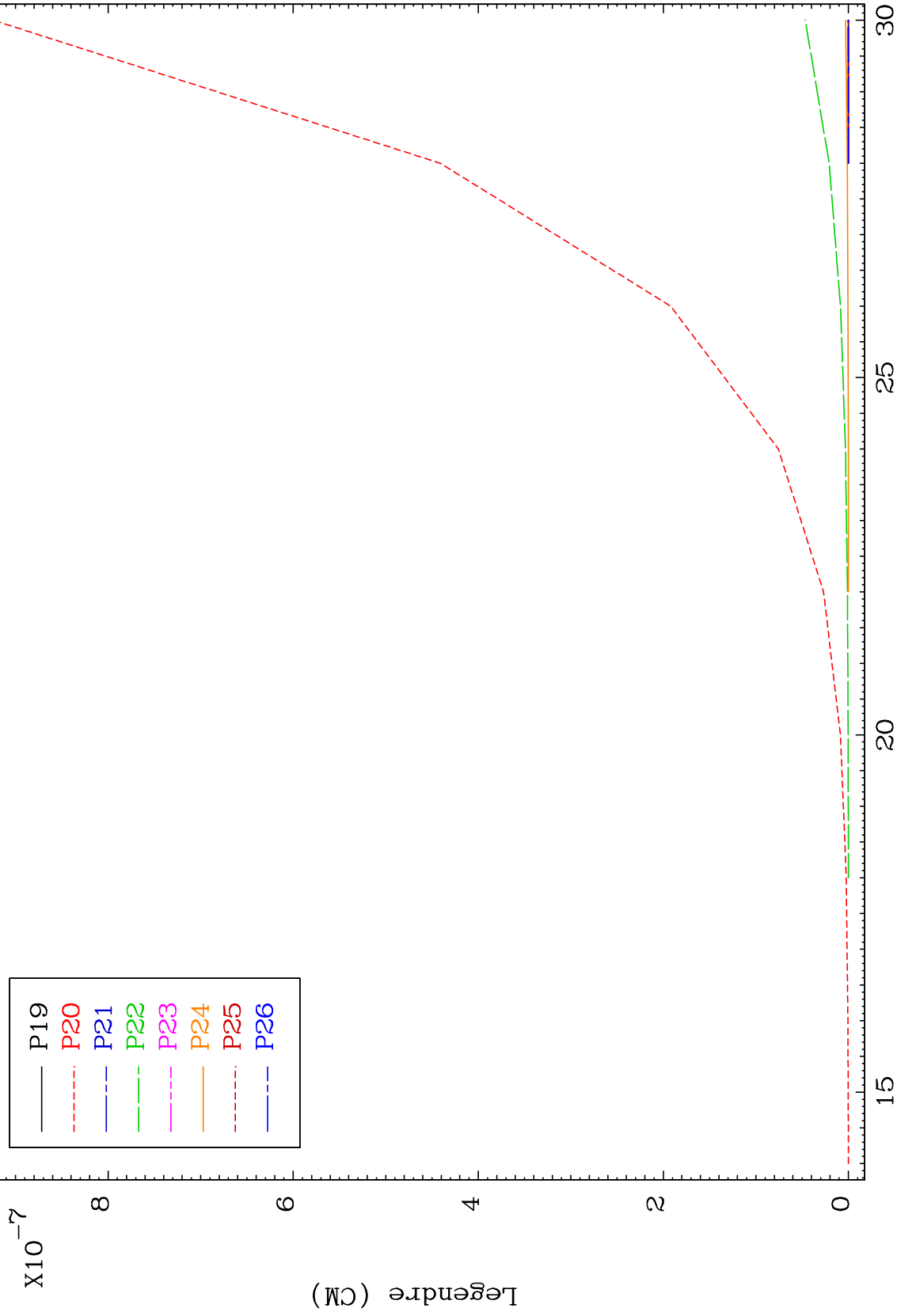
Incident Energy (MeV)

50-Sn-128

MAT 5074

Elastic Legendre Coefficients

50-Sn-128



17

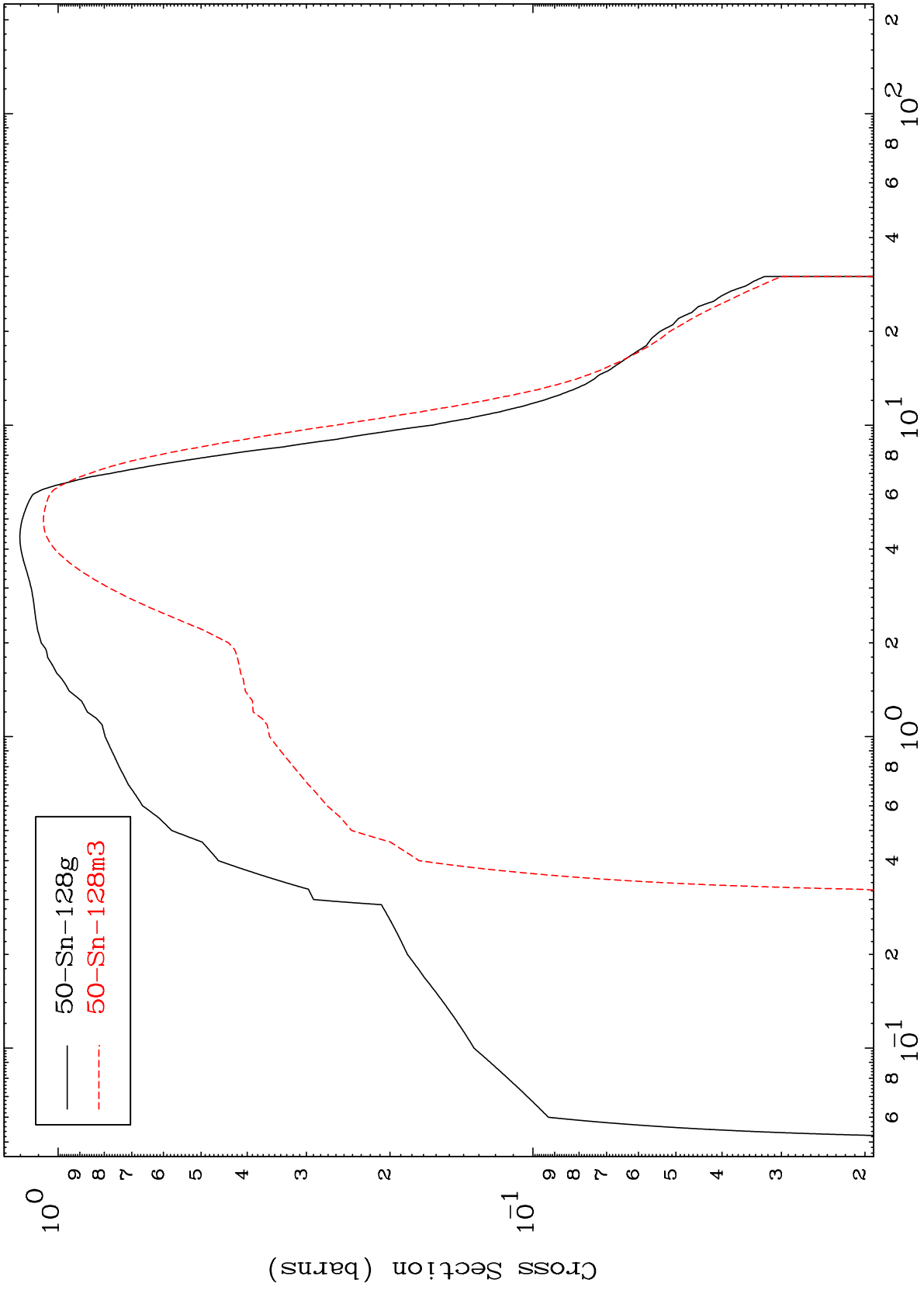
Incident Energy (MeV)

50-Sn-128

MAT 5074

Inelastic
Radionuclide Production Cross Section

50-Sn-128



— 50-Sn-128g
- - - 50-Sn-128m3

18

Incident Energy (MeV)

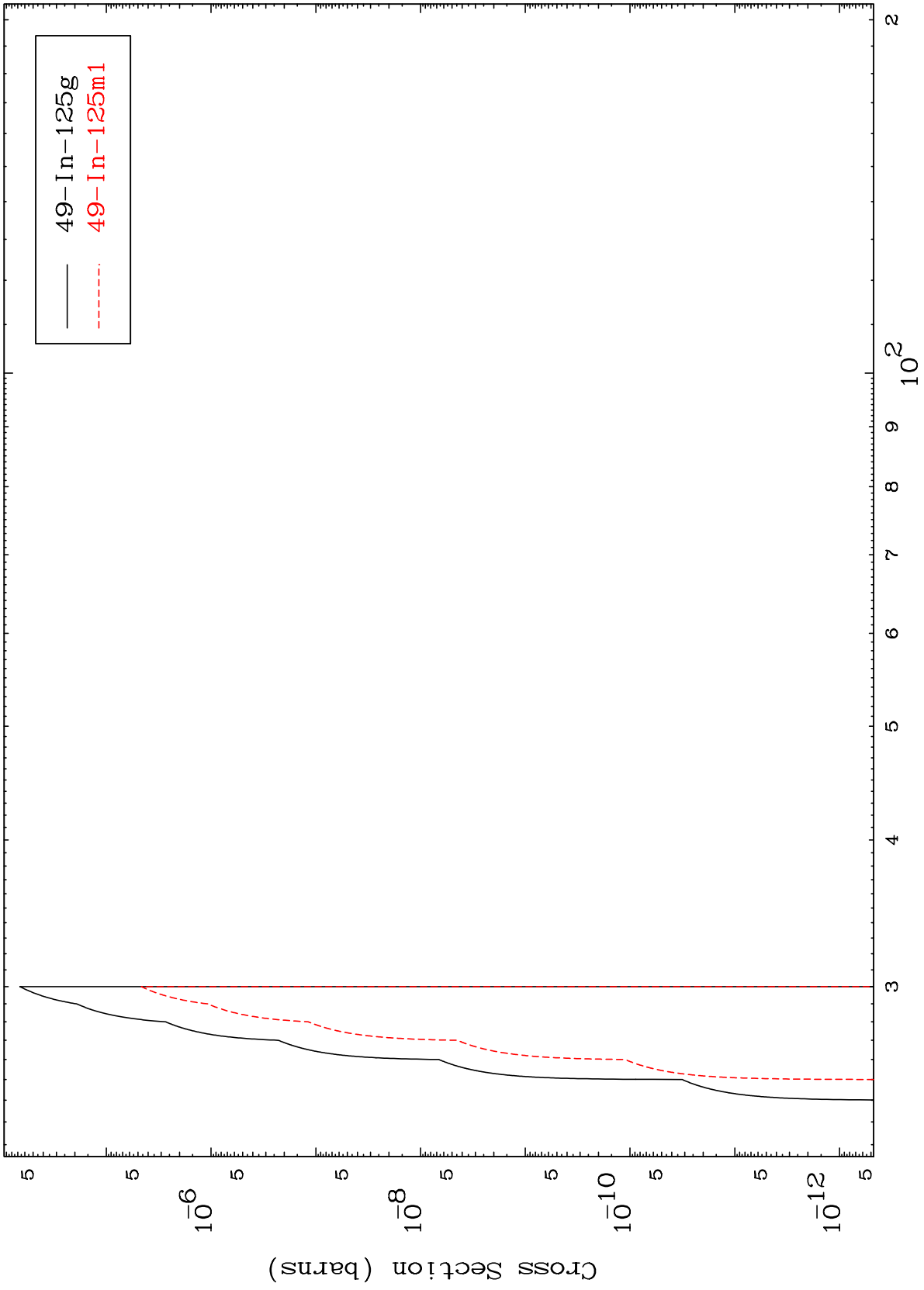
50-Sn-128

MAT 5074

(n,2n) d

50-Sn-128

Radionuclide Production Cross Section



19

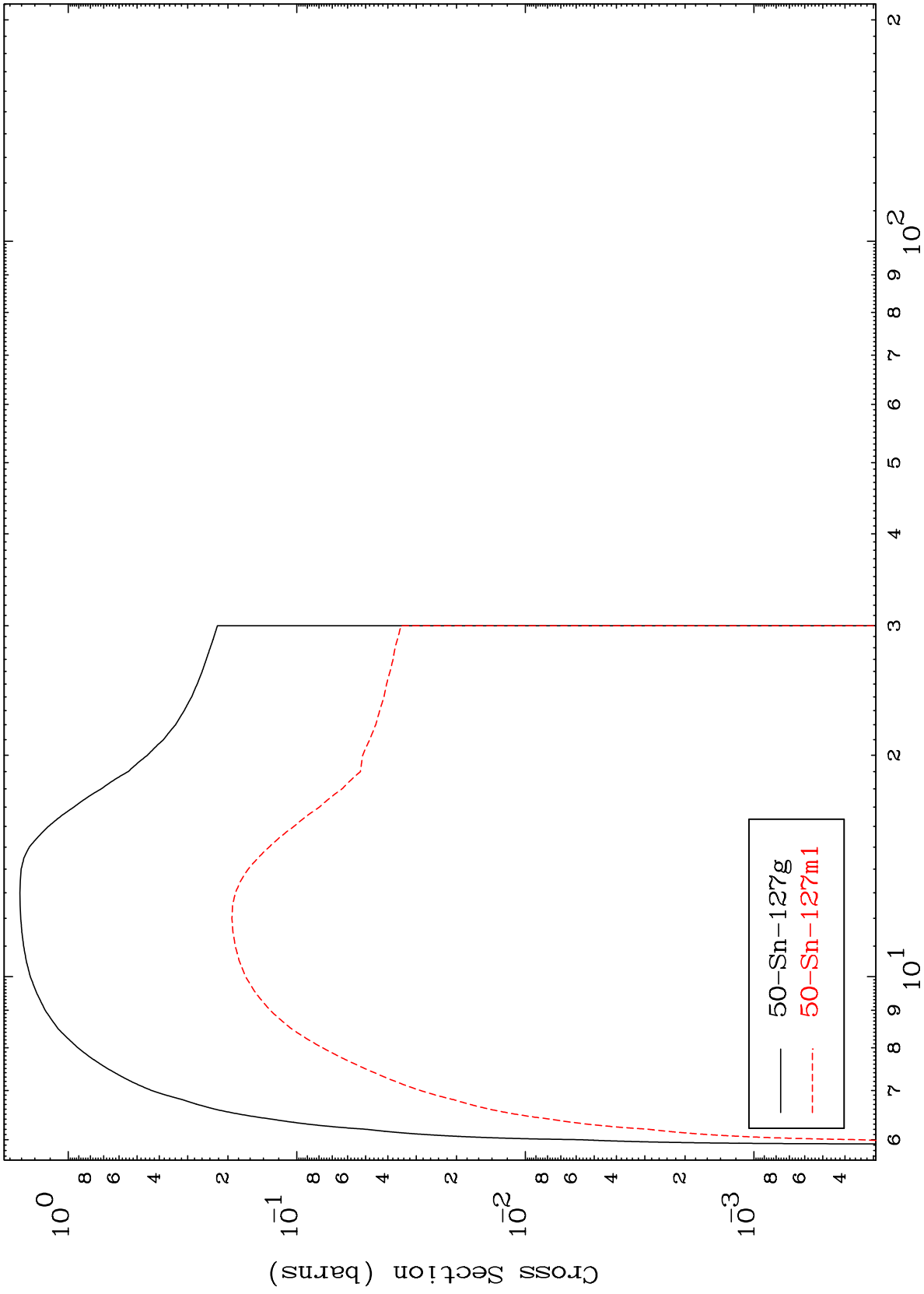
Incident Energy (MeV)

50-Sn-128

MAT 5074

50-Sn-128

Radionuclide Production Cross Section
(n,2n)



20

Incident Energy (MeV)

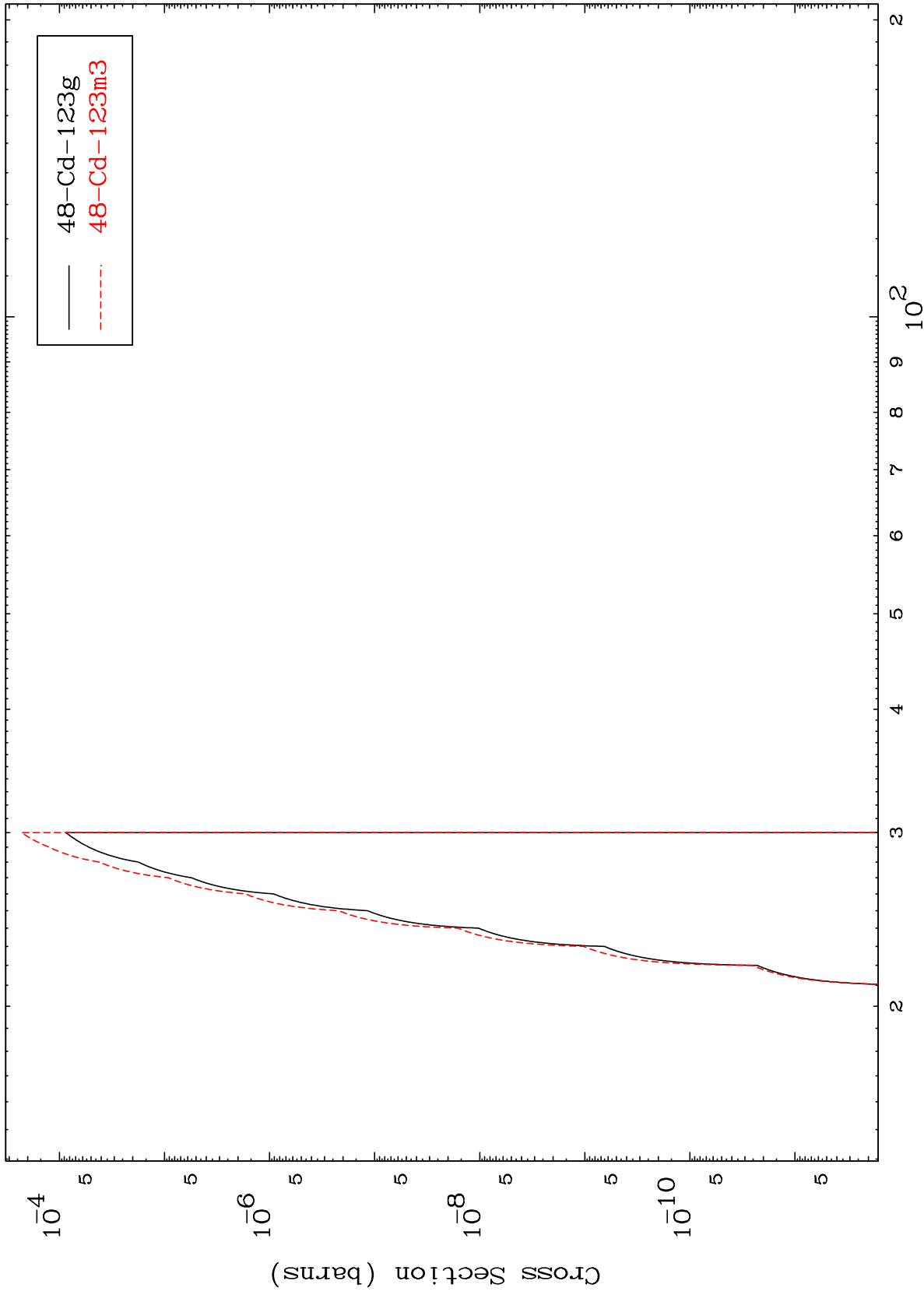
50-Sn-128

MAT 5074

(n,2n) α

50-Sn-128

Radionuclide Production Cross Section



21

Incident Energy (MeV)

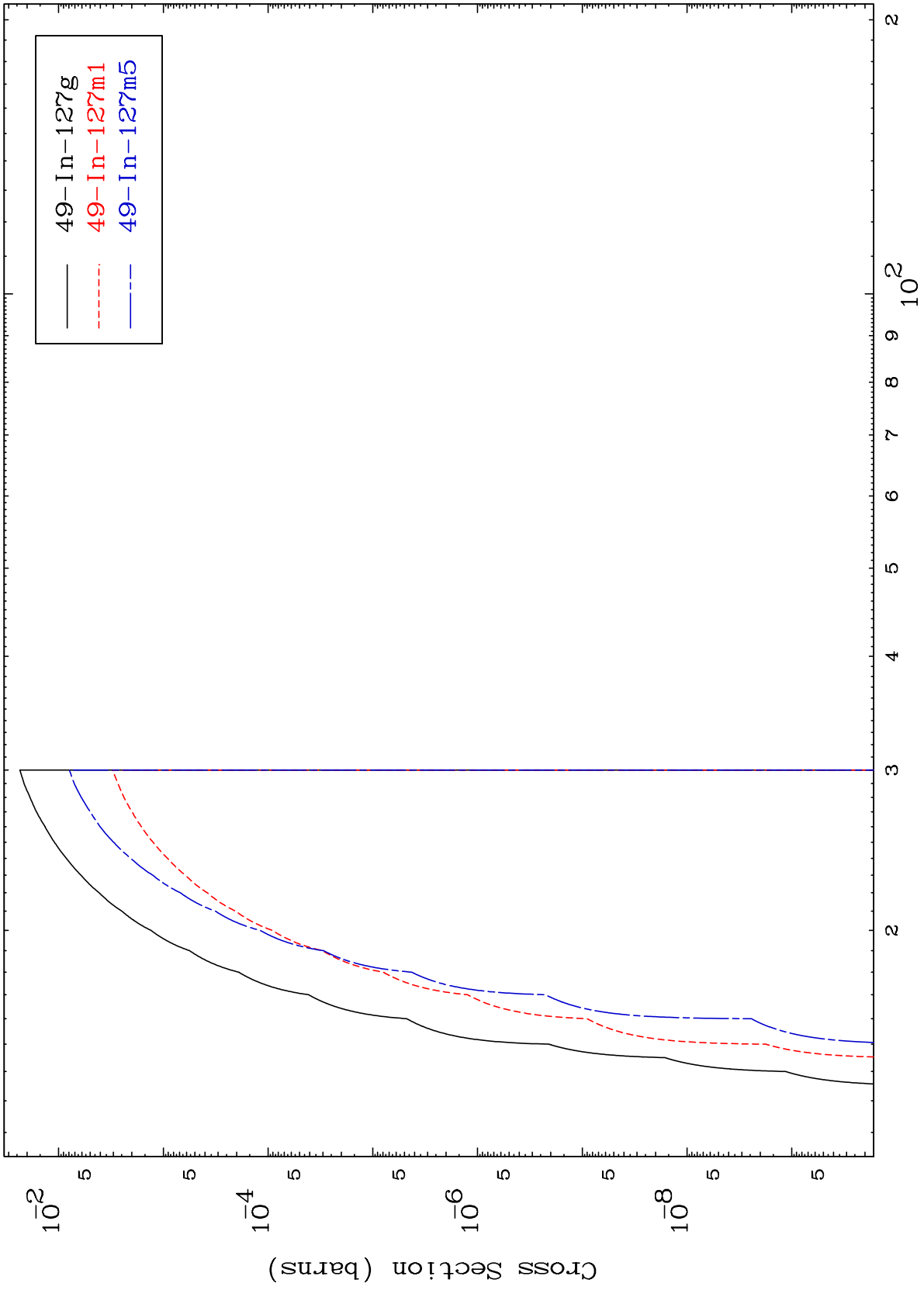
50-Sn-128

MAT 5074

(n,n') p

50-Sn-128

Radionuclide Production Cross Section



22

Incident Energy (MeV)

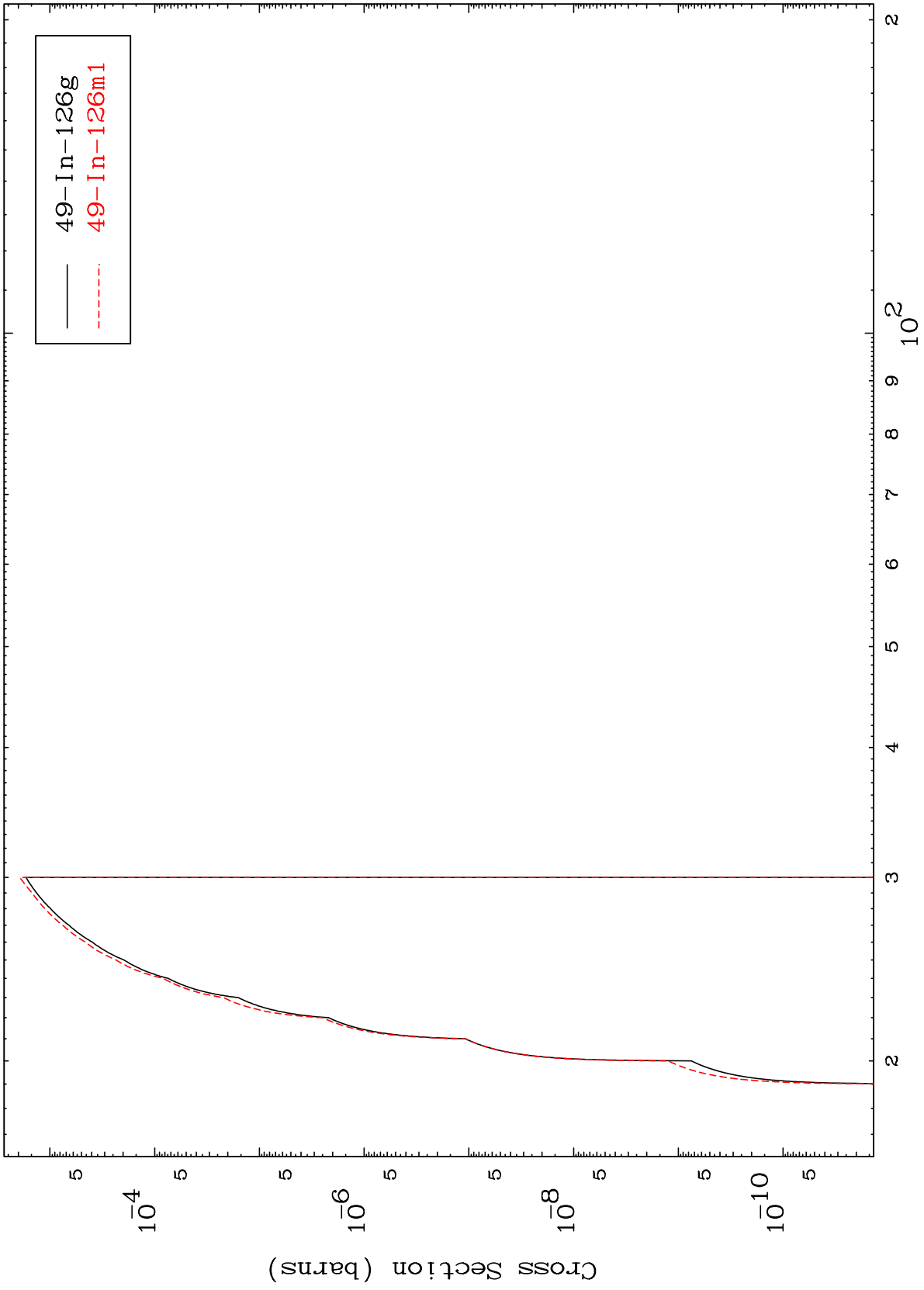
50-Sn-128

MAT 5074

(n,n') d

50-Sn-128

Radionuclide Production Cross Section



23

Incident Energy (MeV)

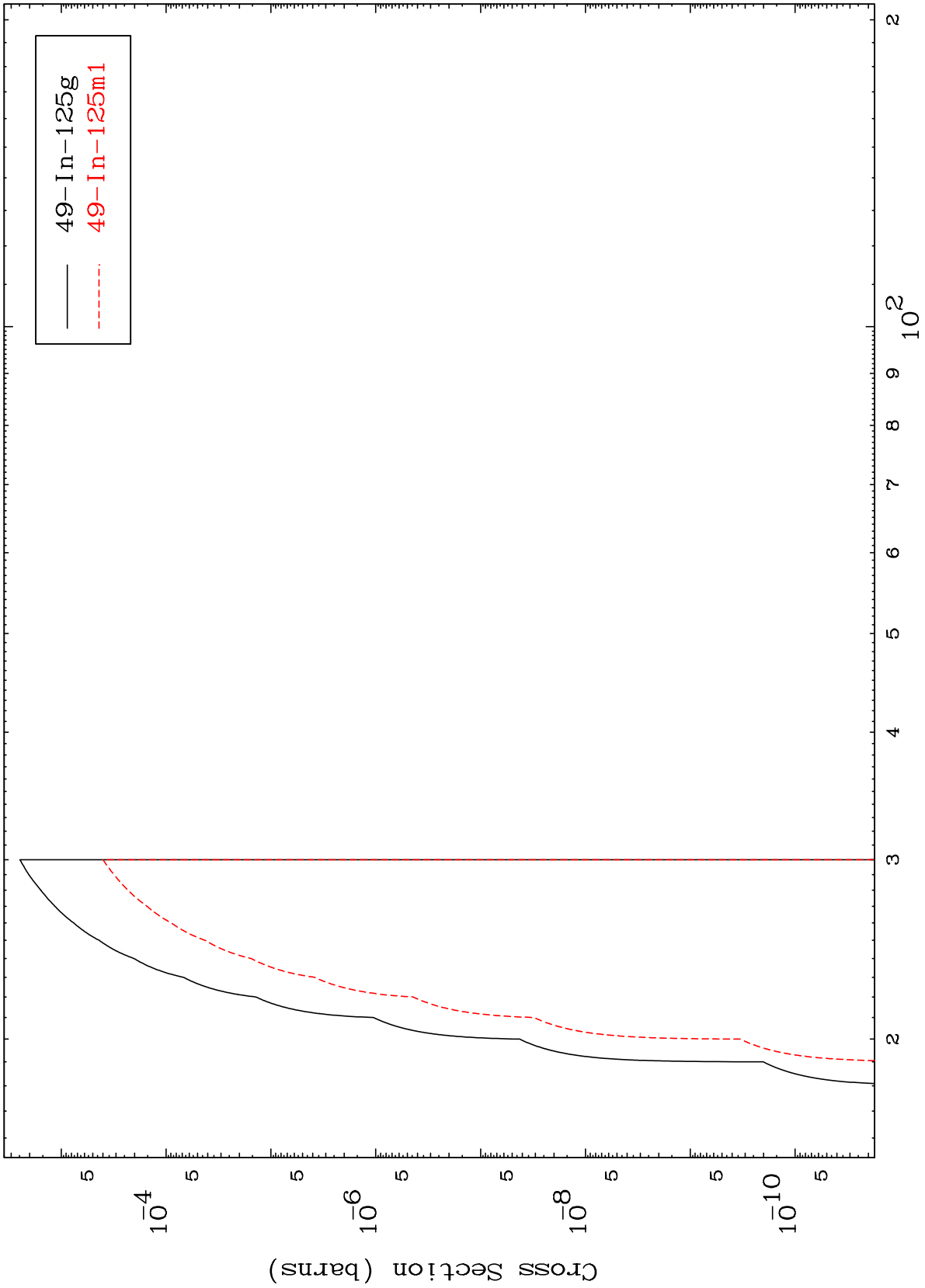
50-Sn-128

MAT 5074

(n,n') t

50-Sn-128

Radionuclide Production Cross Section



24

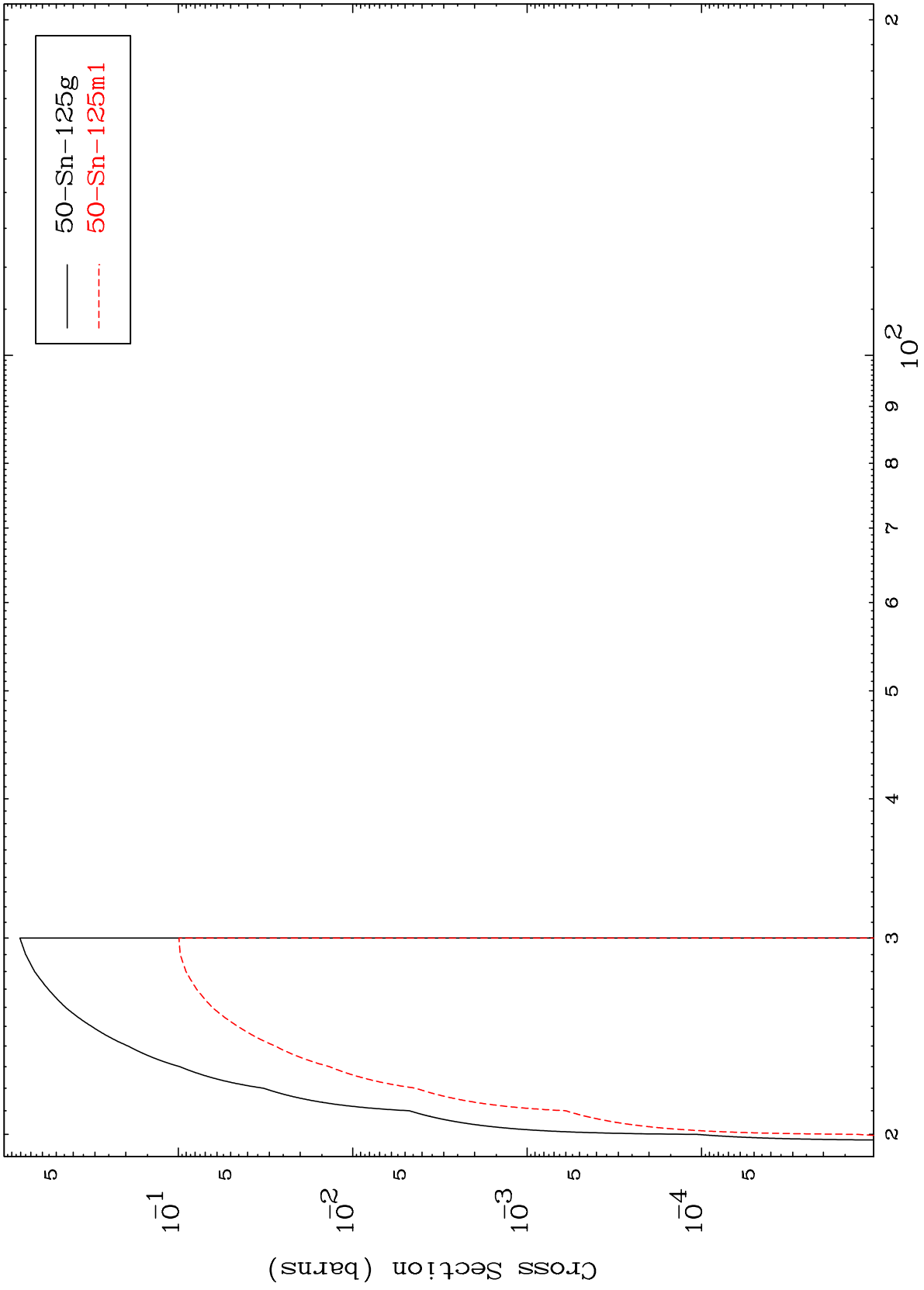
Incident Energy (MeV)

50-Sn-128

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50-Sn-128

(n,4n)
Radionuclide Production Cross Section



25

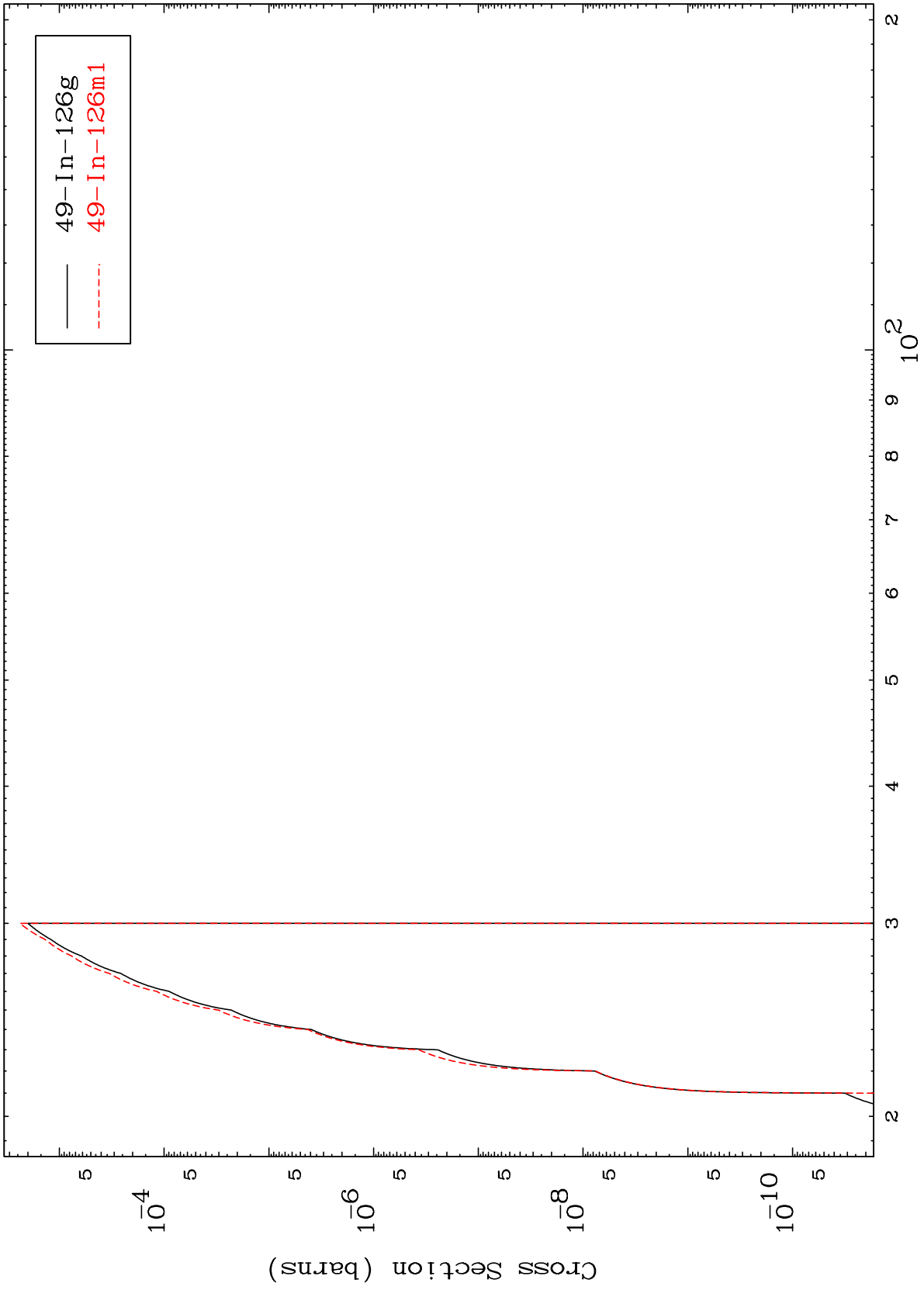
50-Sn-128

MAT 5074

(n,2n) p

50-Sn-128

Radionuclide Production Cross Section



26

Incident Energy (MeV)

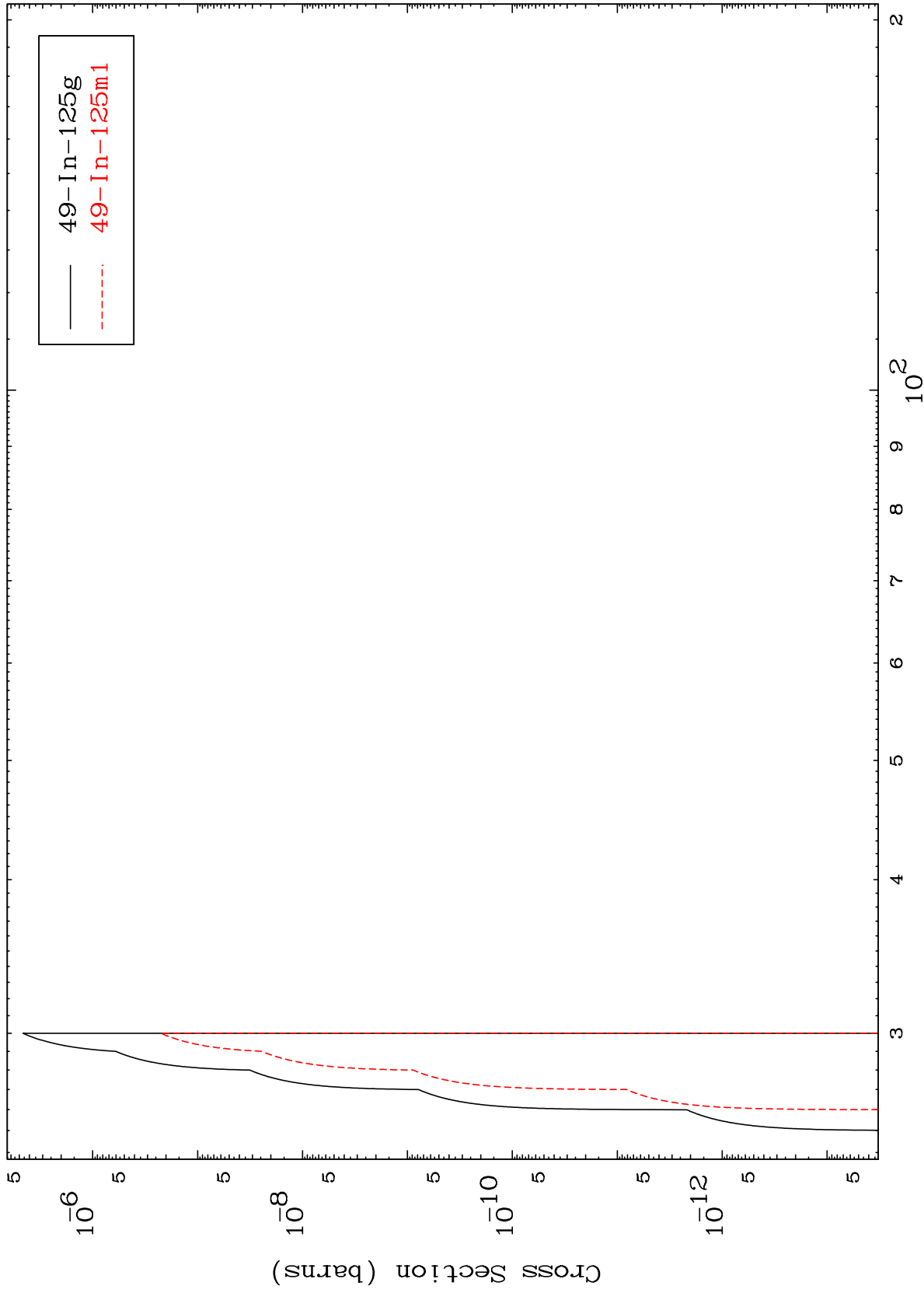
50-Sn-128

MAT 5074

(n,3n) p

50-Sn-128

Radionuclide Production Cross Section



27

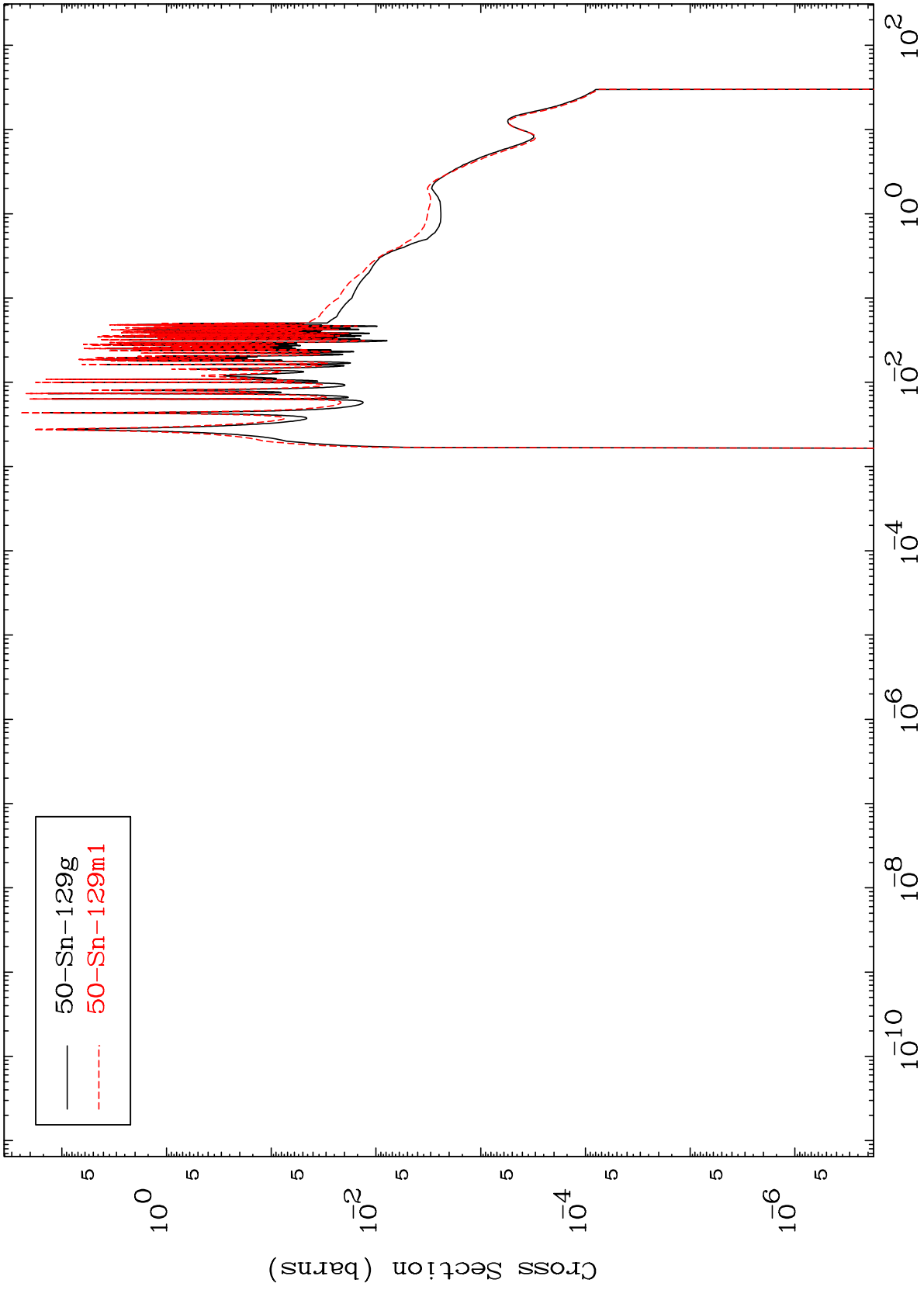
Incident Energy (MeV)

50-Sn-128

MAT 5074

50-Sn-128

Radionuclide Production Cross Section
(n, γ)

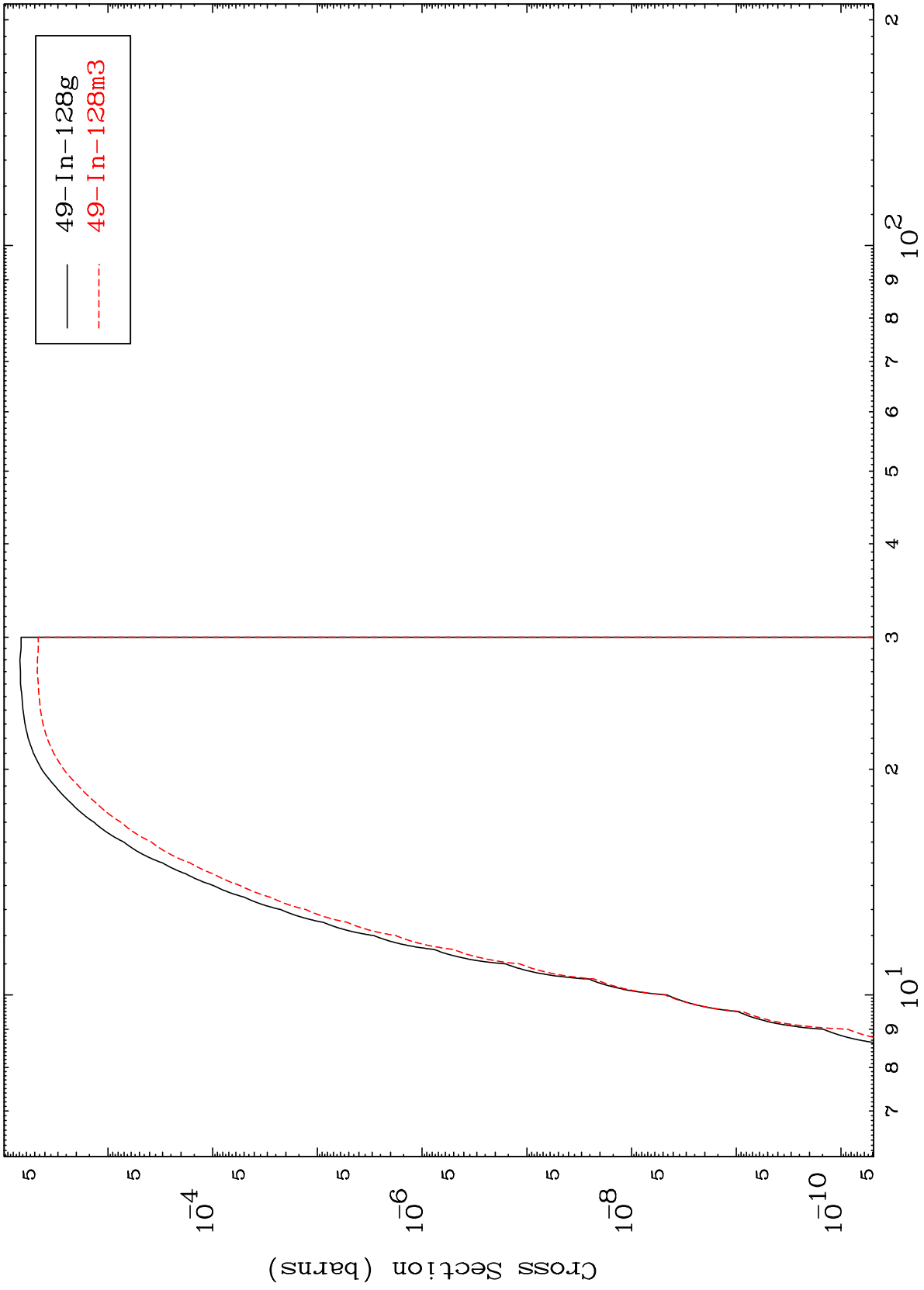


50-Sn-128

MAT 5074

50-Sn-128

(n,p)
Radionuclide Production Cross Section



29

Incident Energy (MeV)

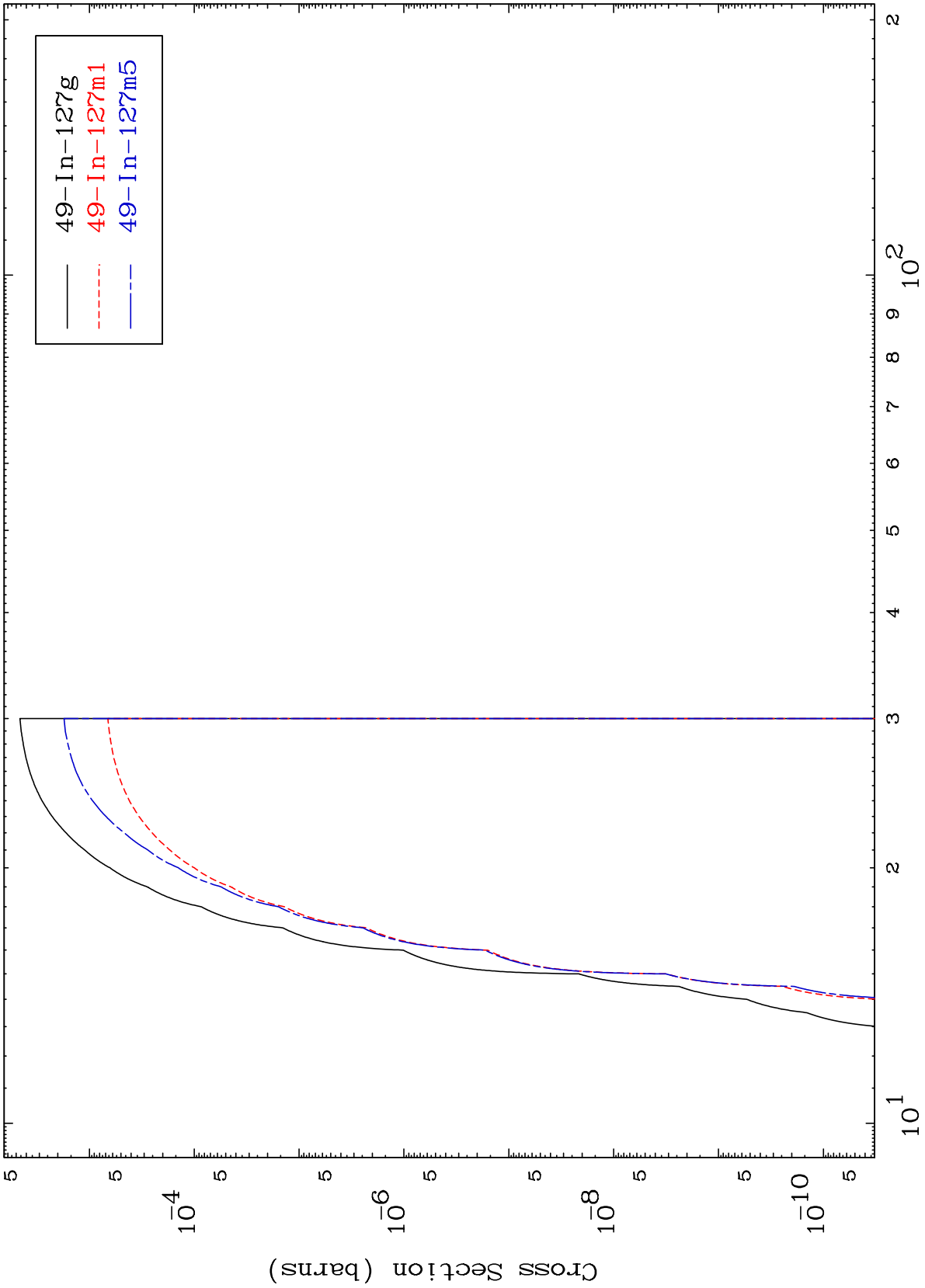
50-Sn-128

MAT 5074

(n,d)

50-Sn-128

Radionuclide Production Cross Section



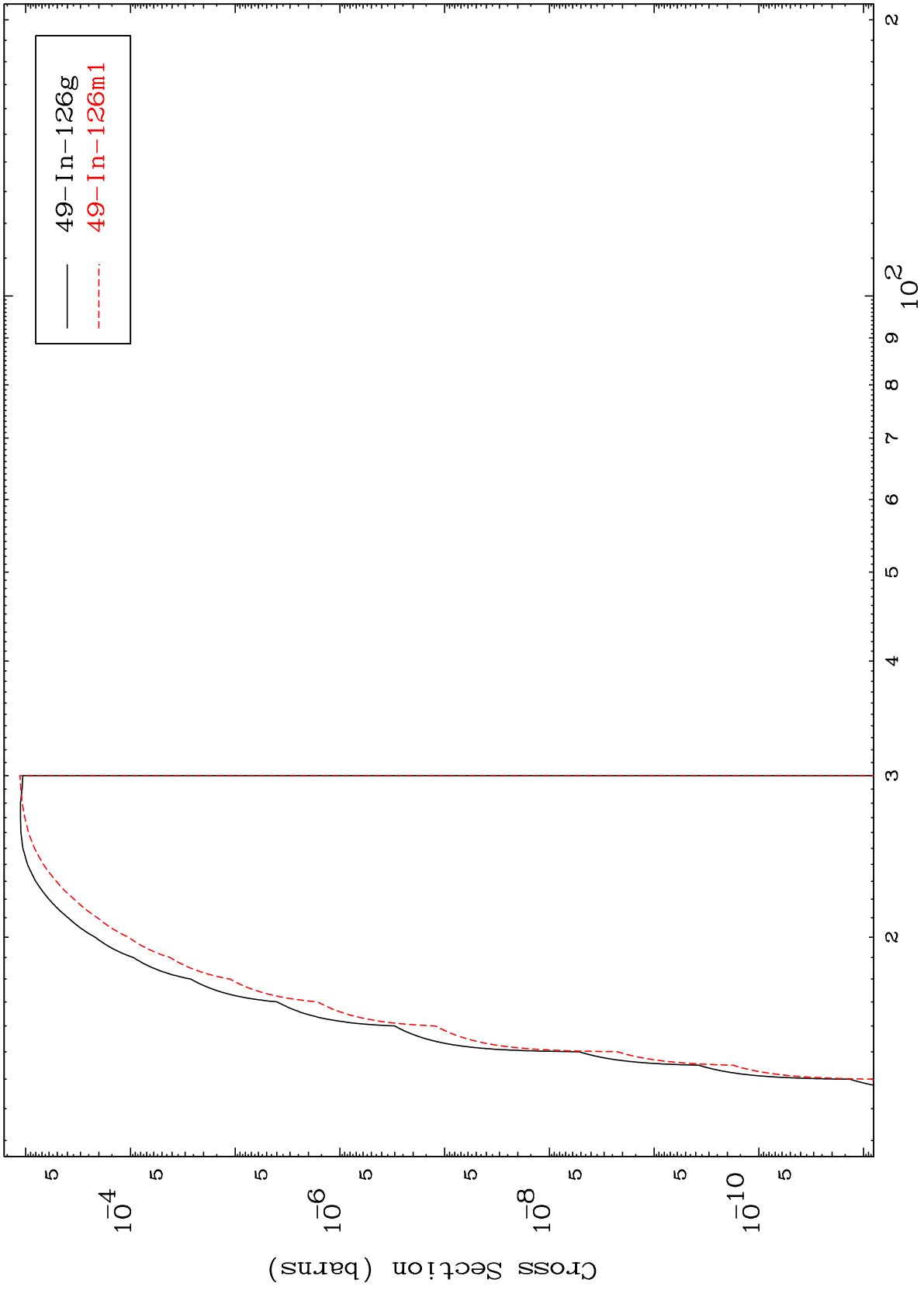
Incident Energy (MeV)

50-Sn-128

MAT 5074

50-Sn-128

(n, t)
Radionuclide Production Cross Section



31

50-Sn-128

Incident Energy (MeV)