

Program EVALPLOT
(Version 2018-1)

by

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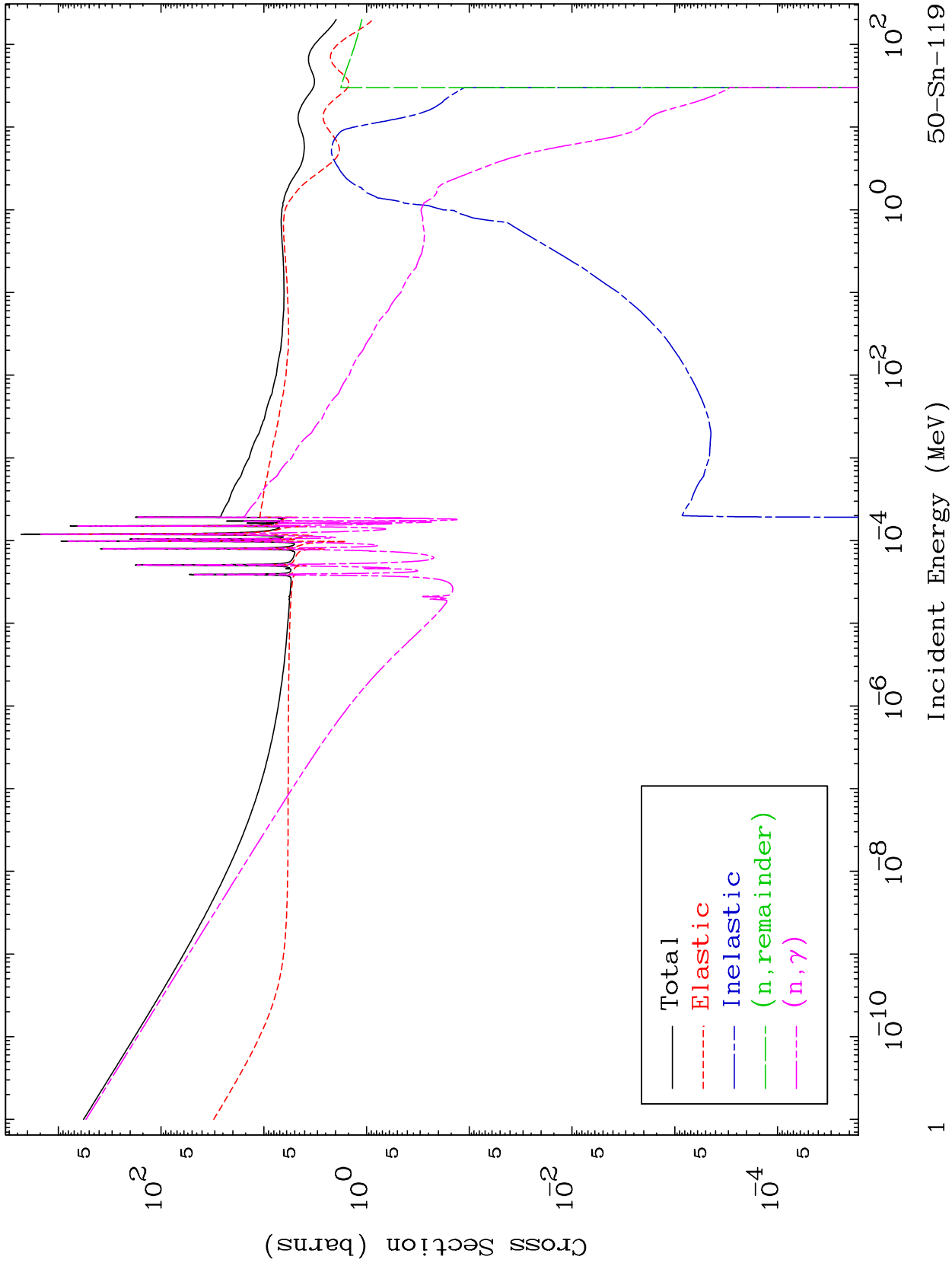
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5047

Major
293 Kelvin Cross Sections

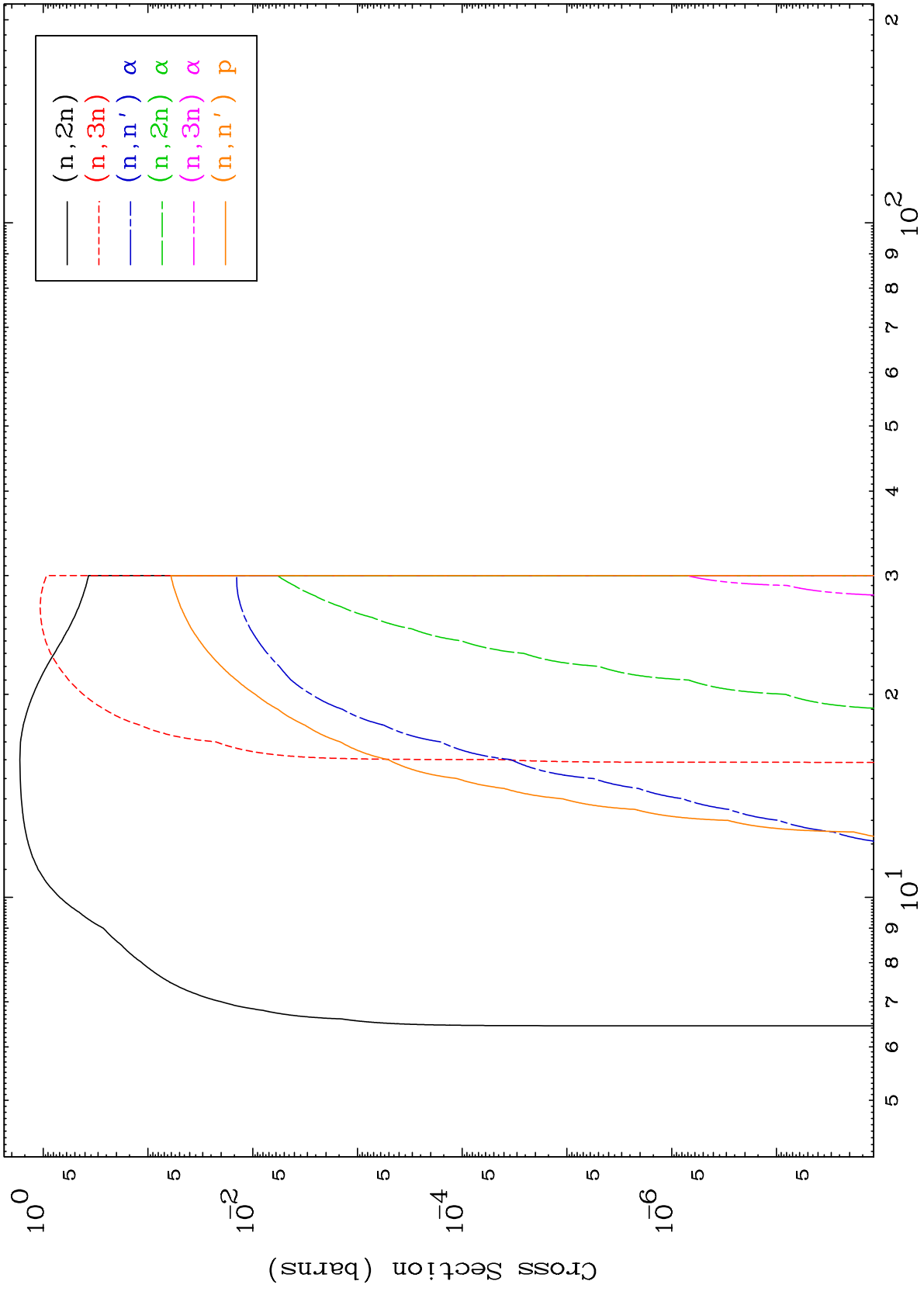
50-Sn-119



MAT 5047

Neutron Production
293 Kelvin Cross Sections

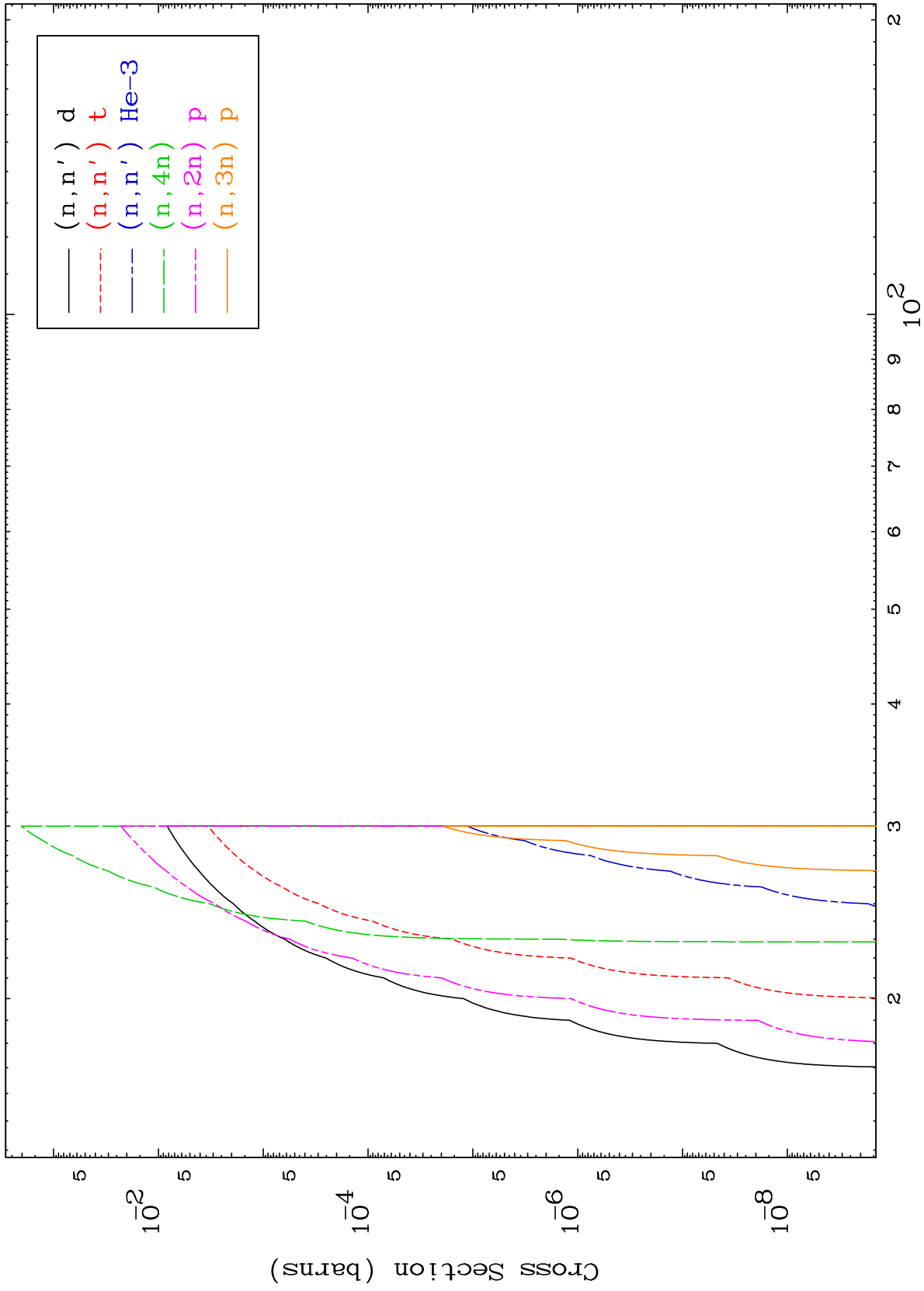
50-Sn-119

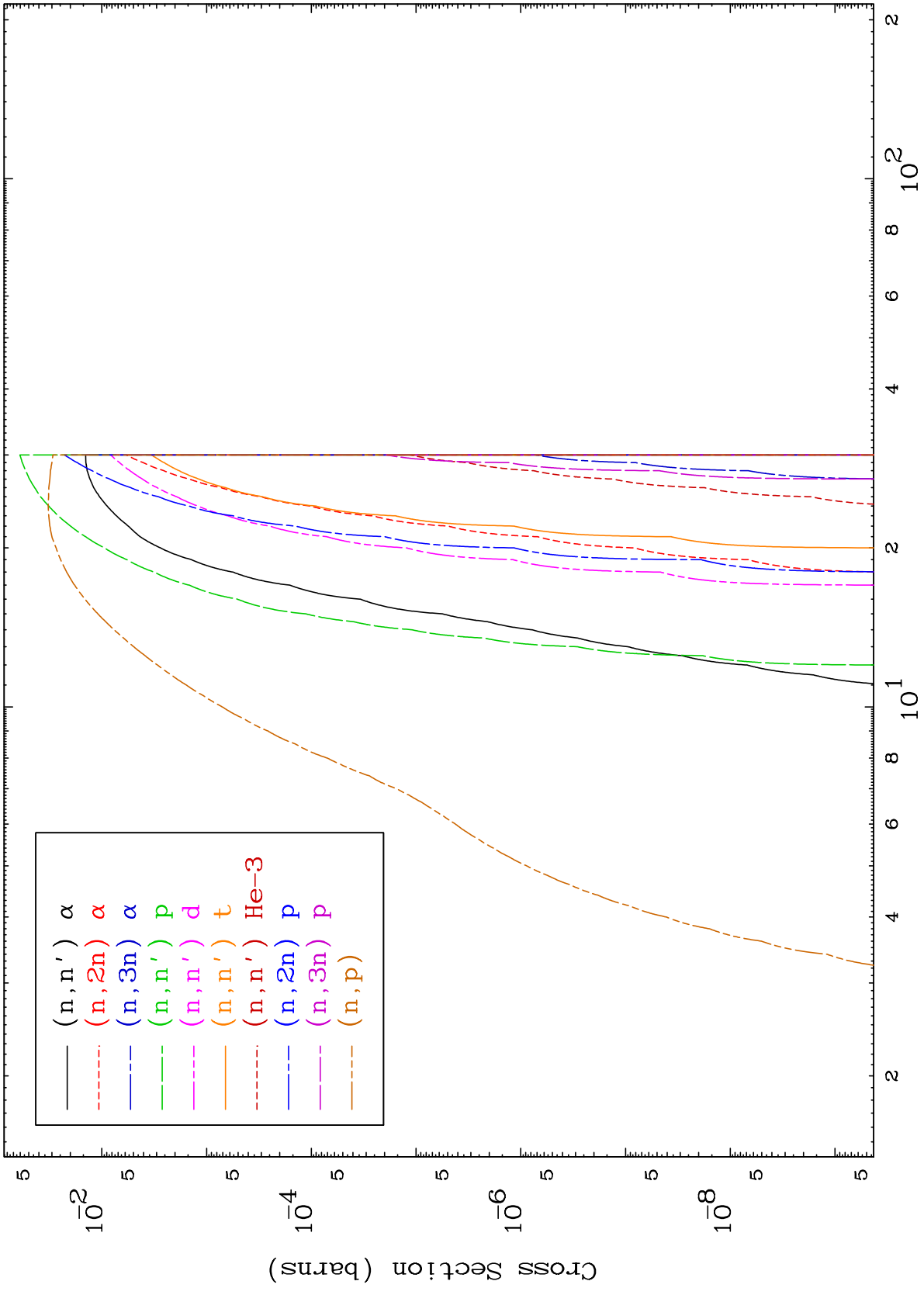


2

Incident Energy (MeV)

50-Sn-119

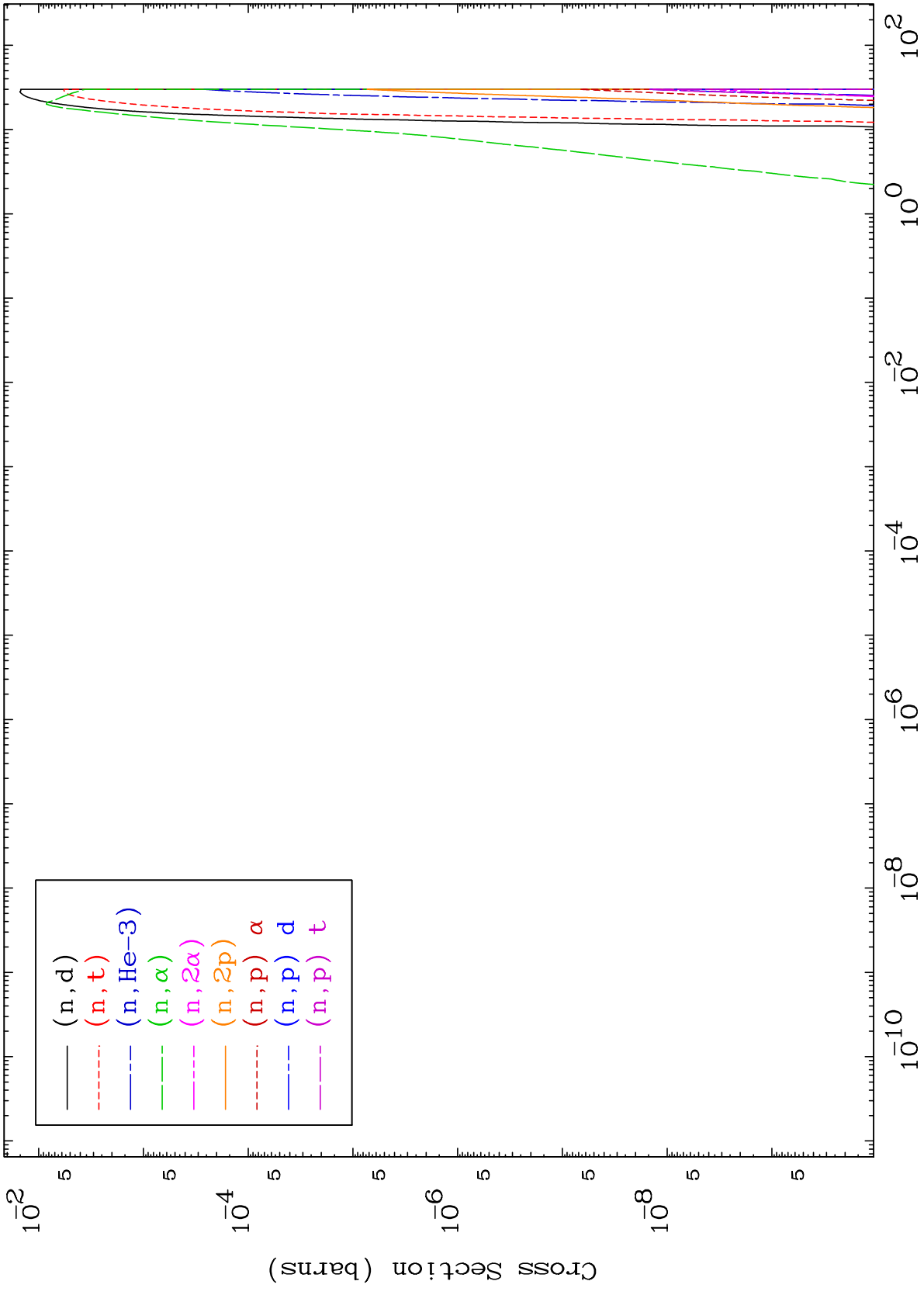




MAT 5047

293 Kelvin Cross Sections

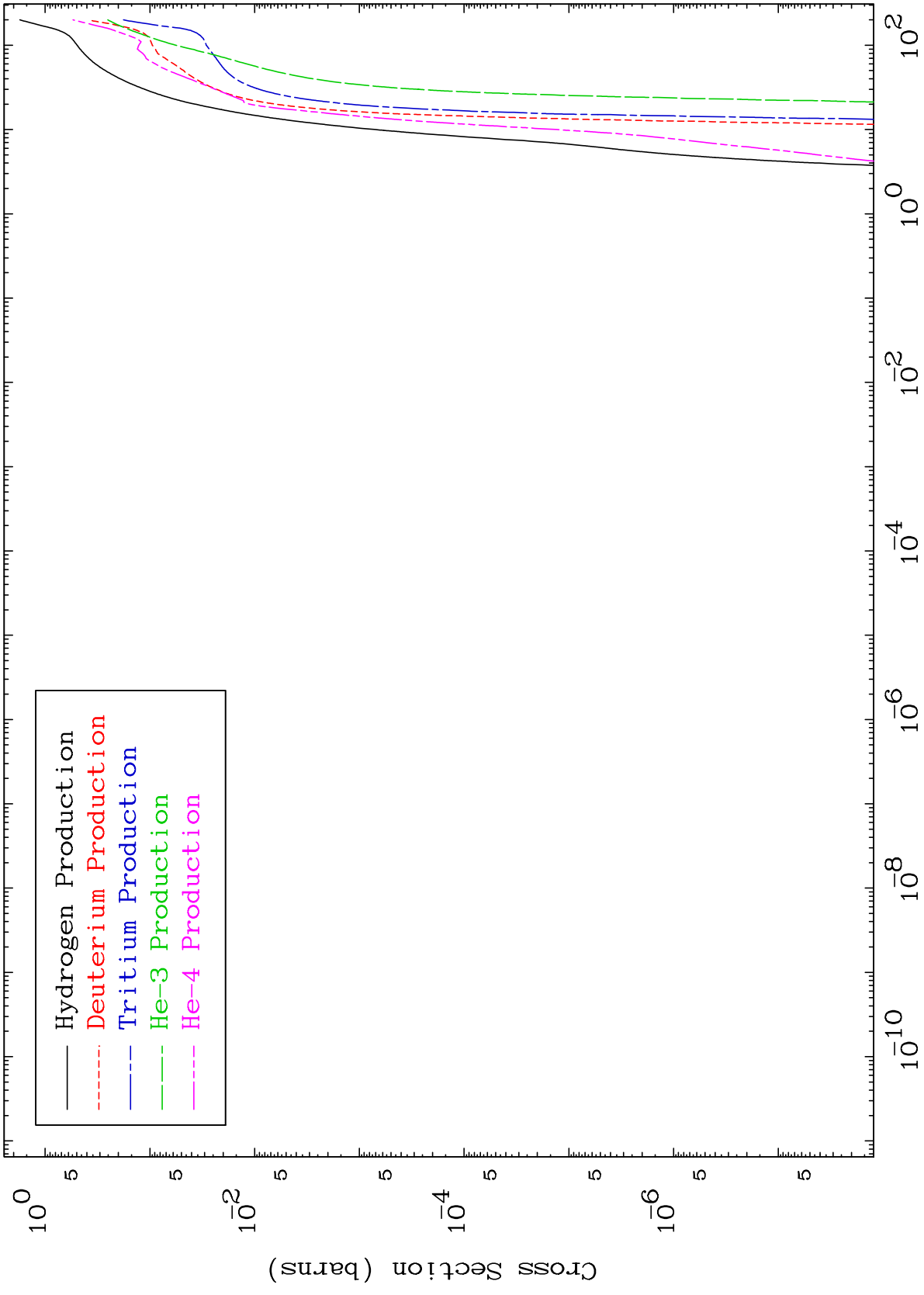
50-Sn-119



MAT 5047

Particle Production
293 Kelvin Cross Sections

50-Sn-119

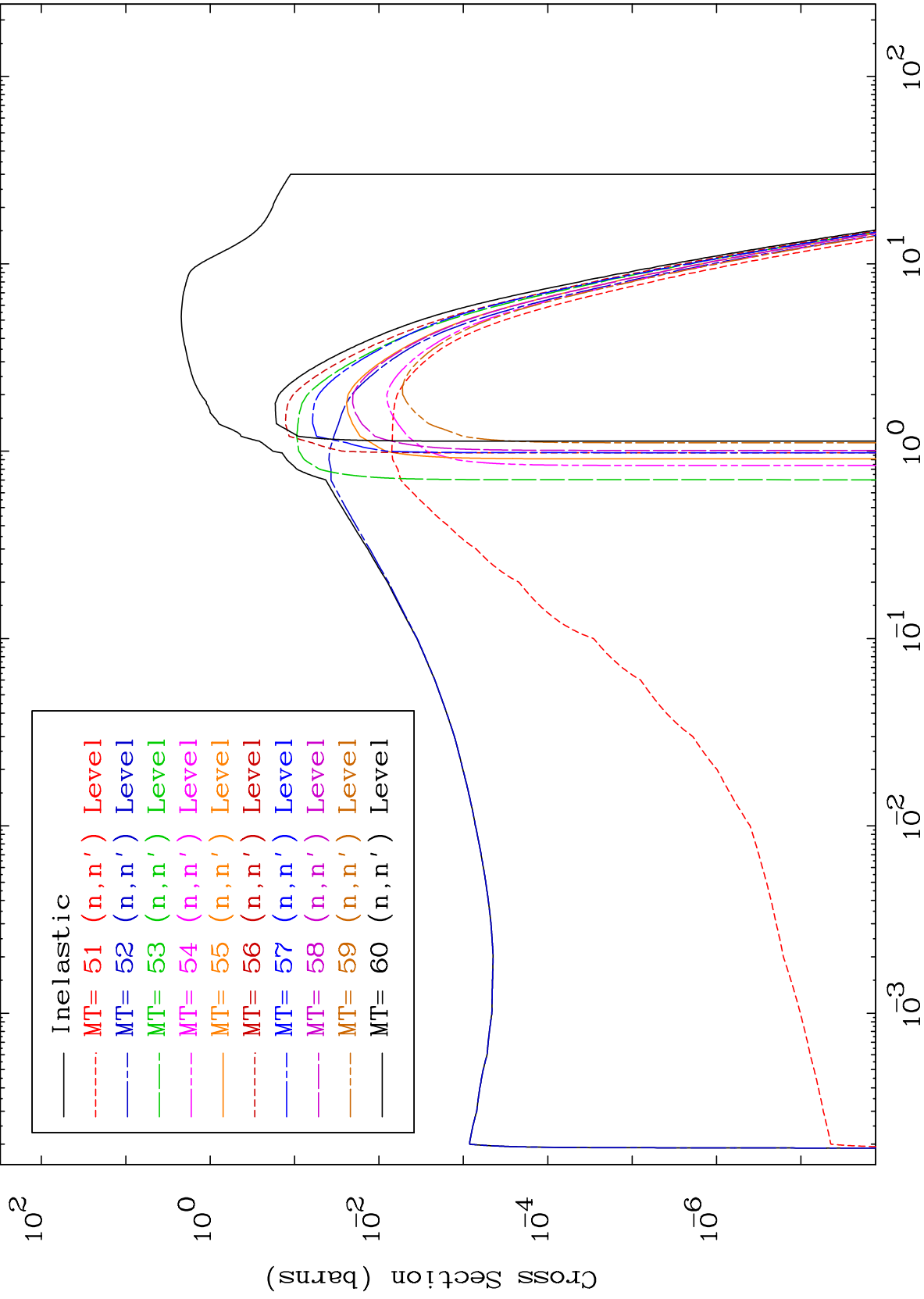


50-Sn-119

MAT 5047

(n,n') Level
293 Kelvin Cross Sections

50-Sn-119



7

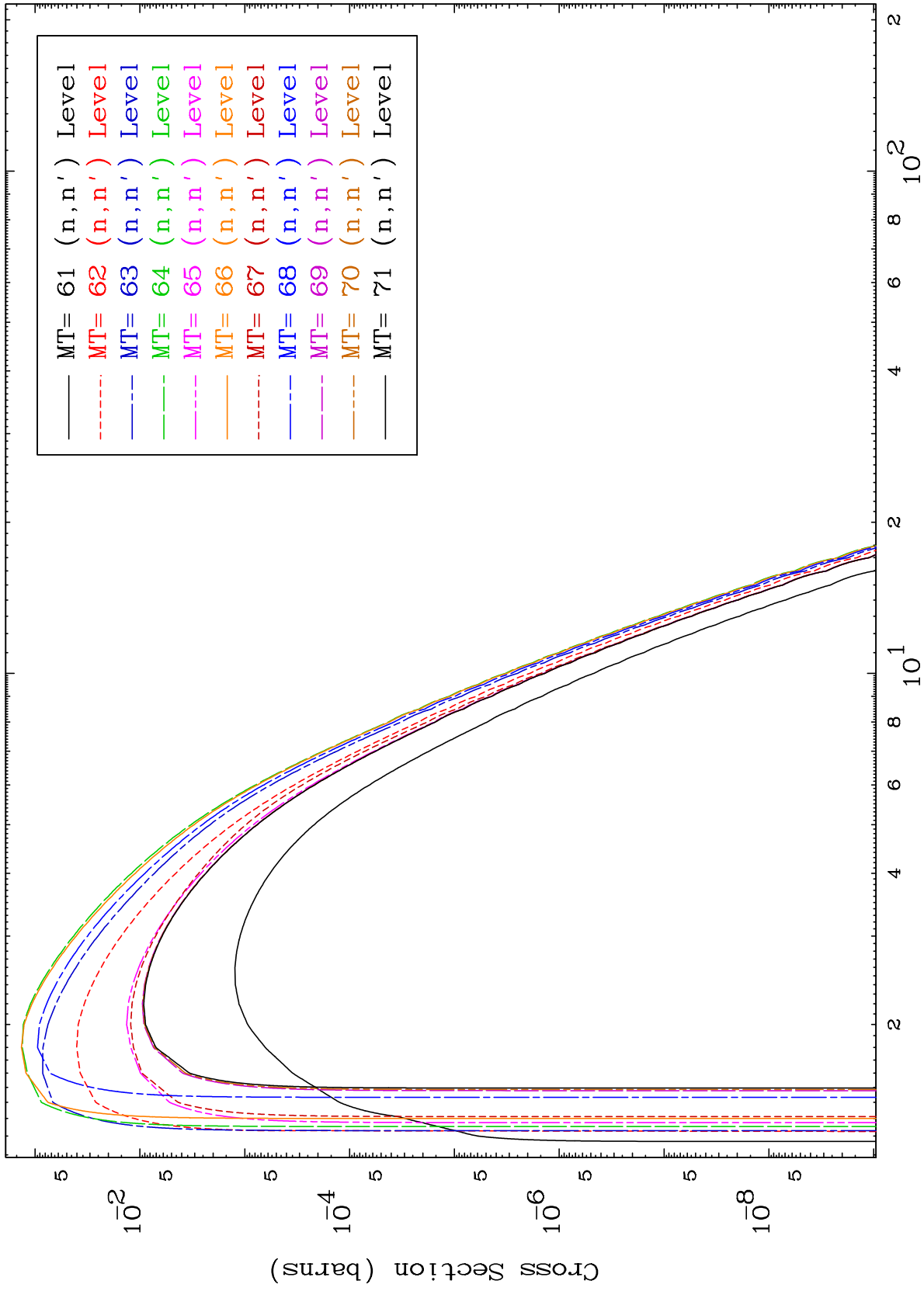
50-Sn-119

MAT 5047

(n,n') Level

50-Sn-119

293 Kelvin Cross Sections



8

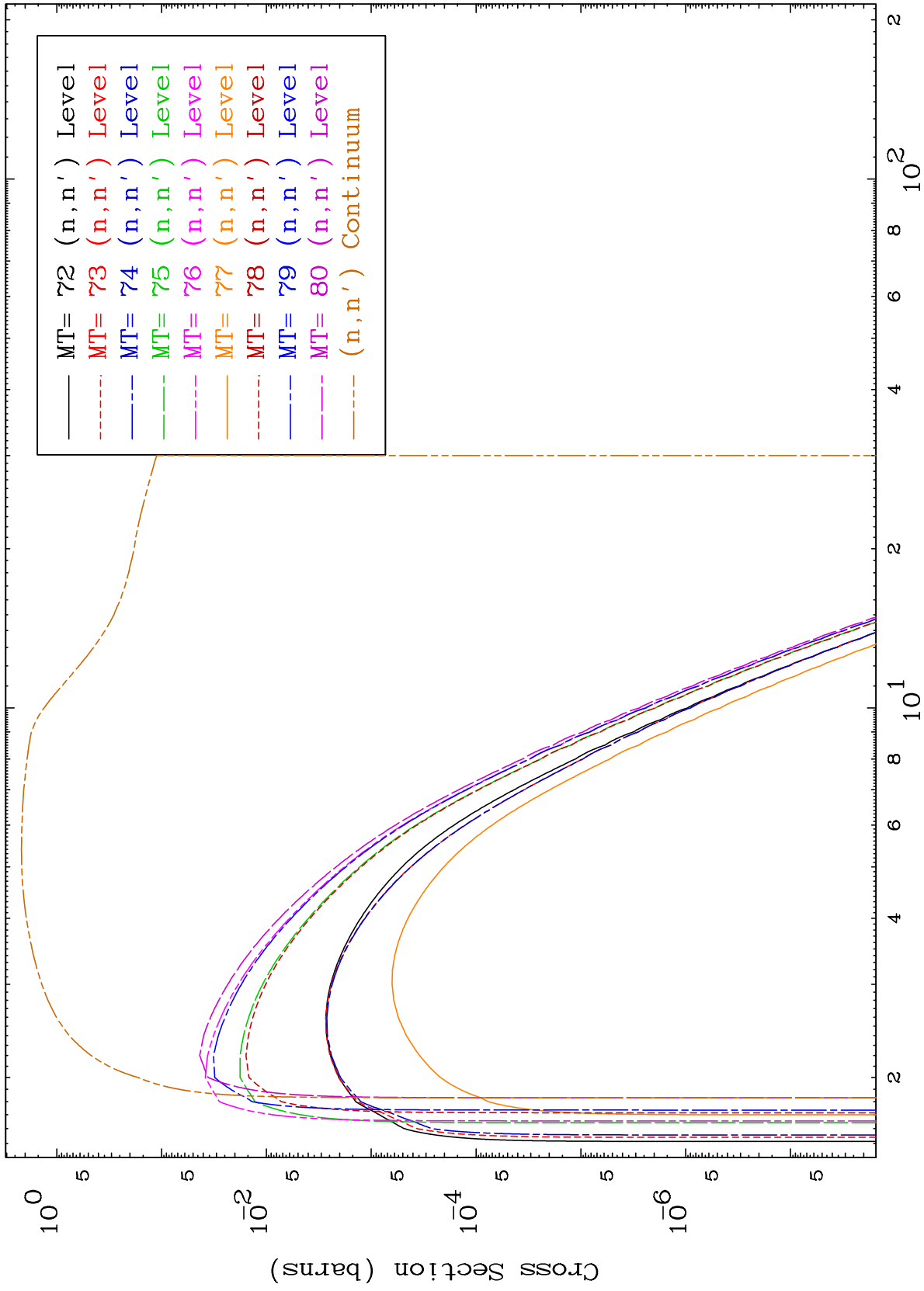
Incident Energy (MeV)

50-Sn-119

MAT 5047

(n,n') Level
293 Kelvin Cross Sections

50-Sn-119



9

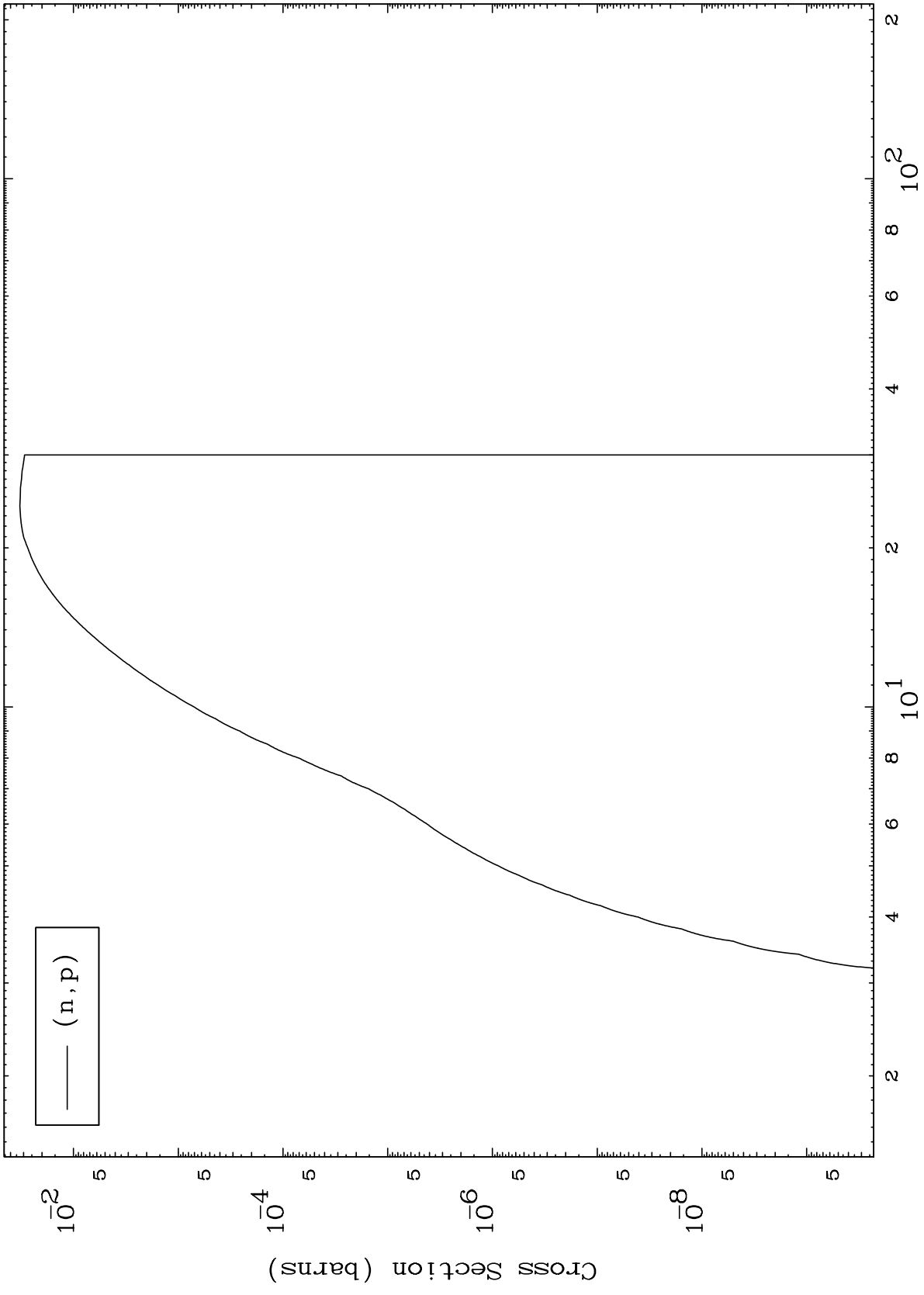
Incident Energy (MeV)

50-Sn-119

MAT 5047

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-119



10

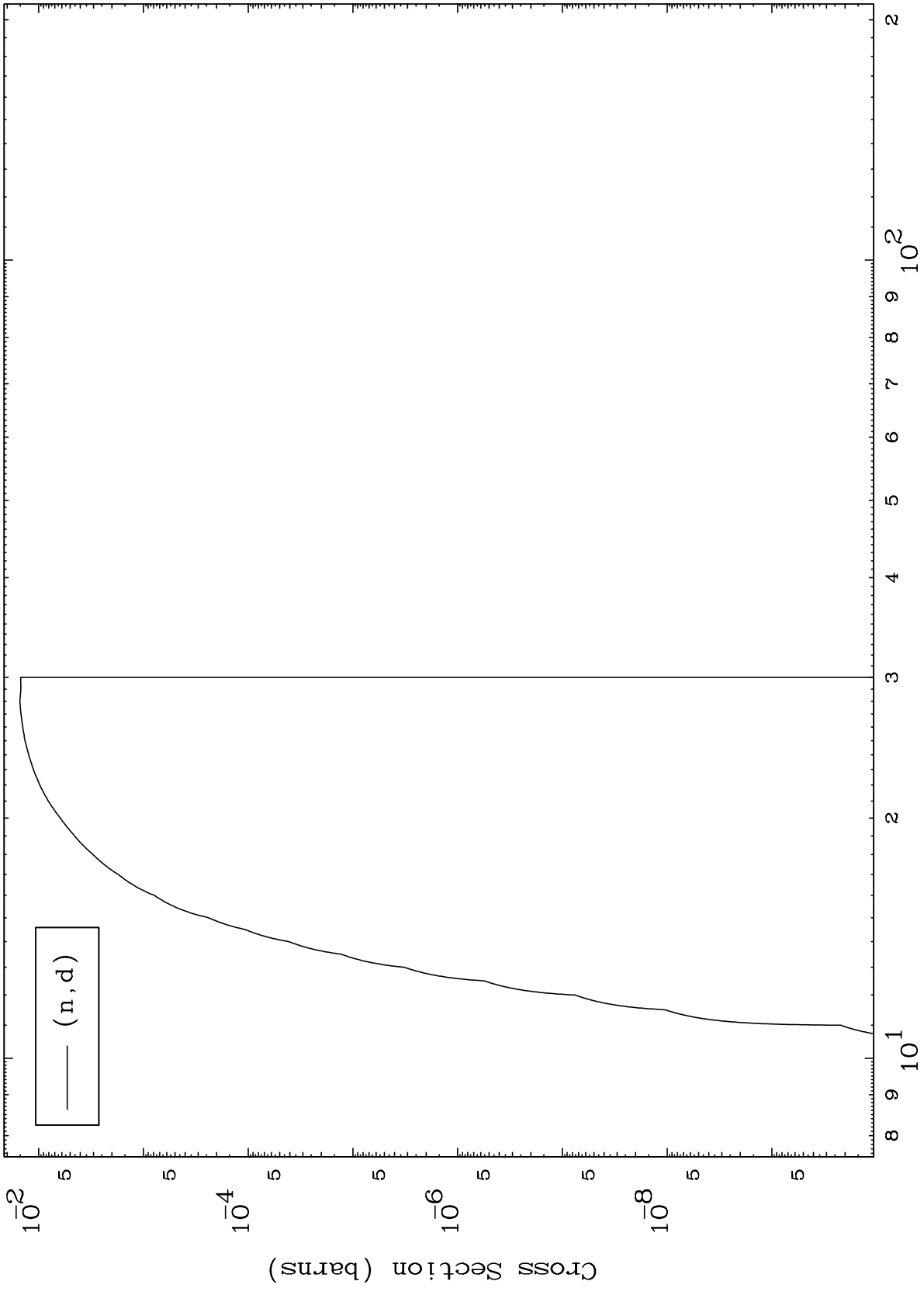
Incident Energy (MeV)

50-Sn-119

MAT 5047

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-119



11

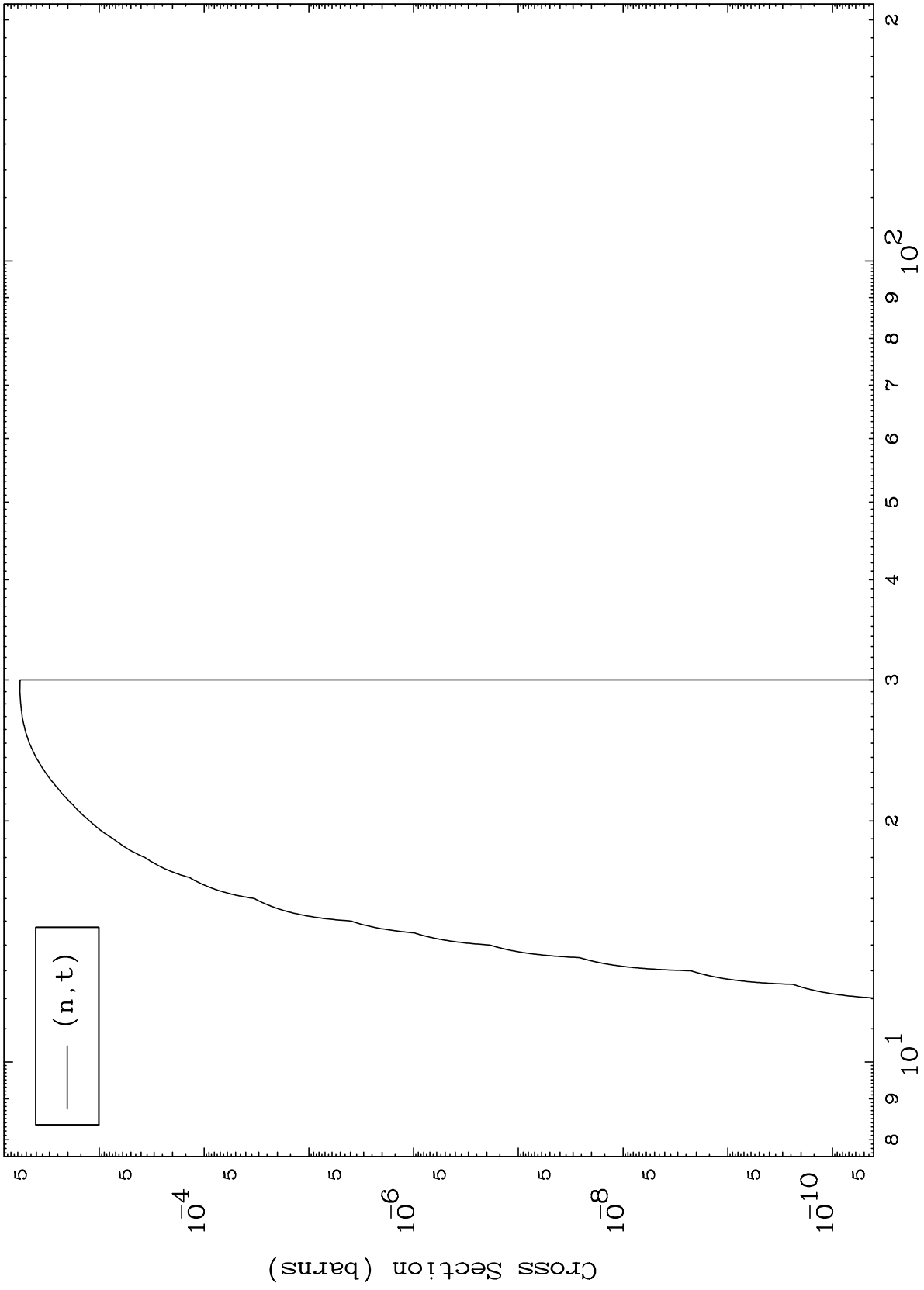
Incident Energy (MeV)

50-Sn-119

MAT 5047

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-119



12

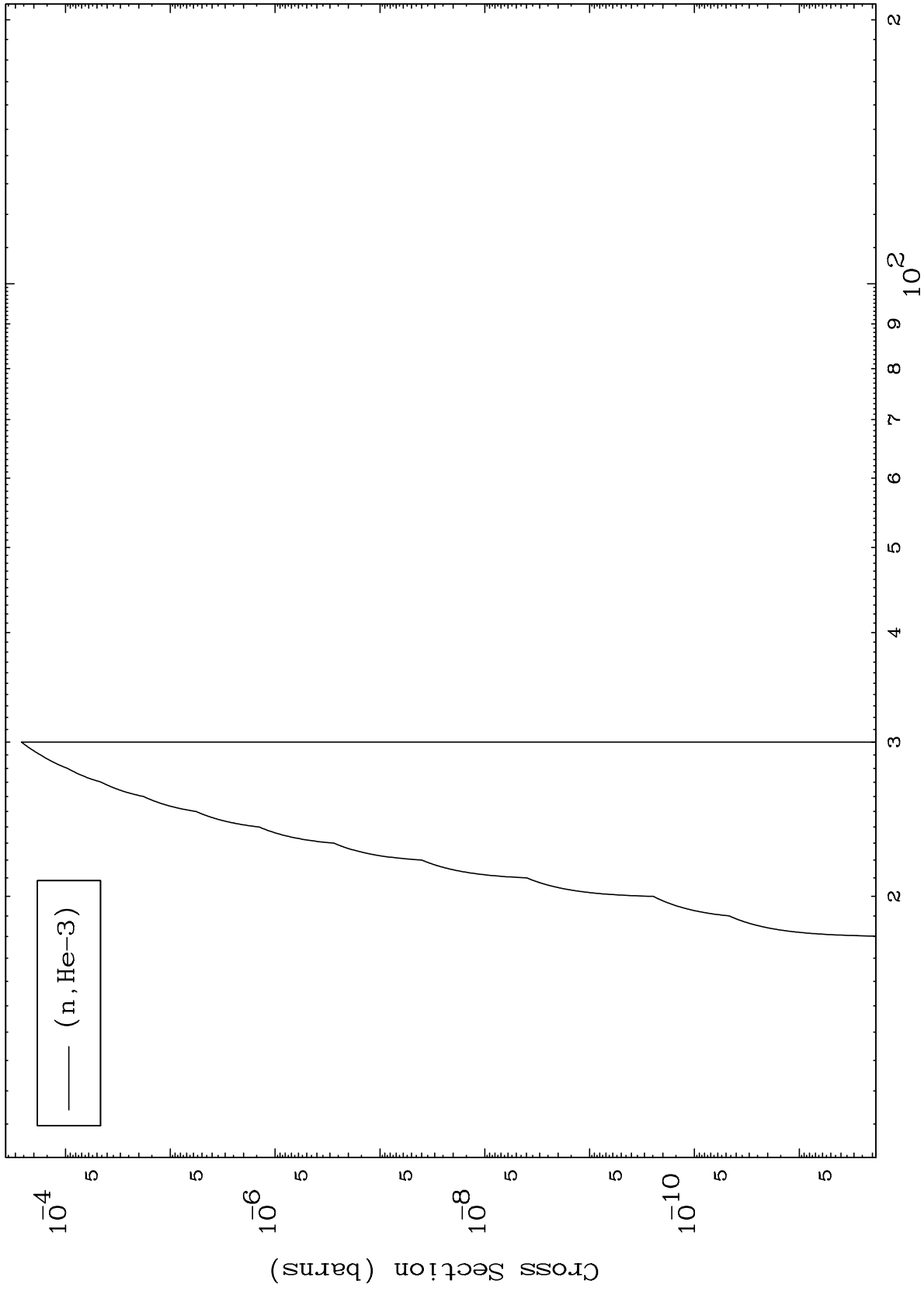
Incident Energy (MeV)

50-Sn-119

MAT 5047

(n,He3) Levels
293 Kelvin Cross Sections

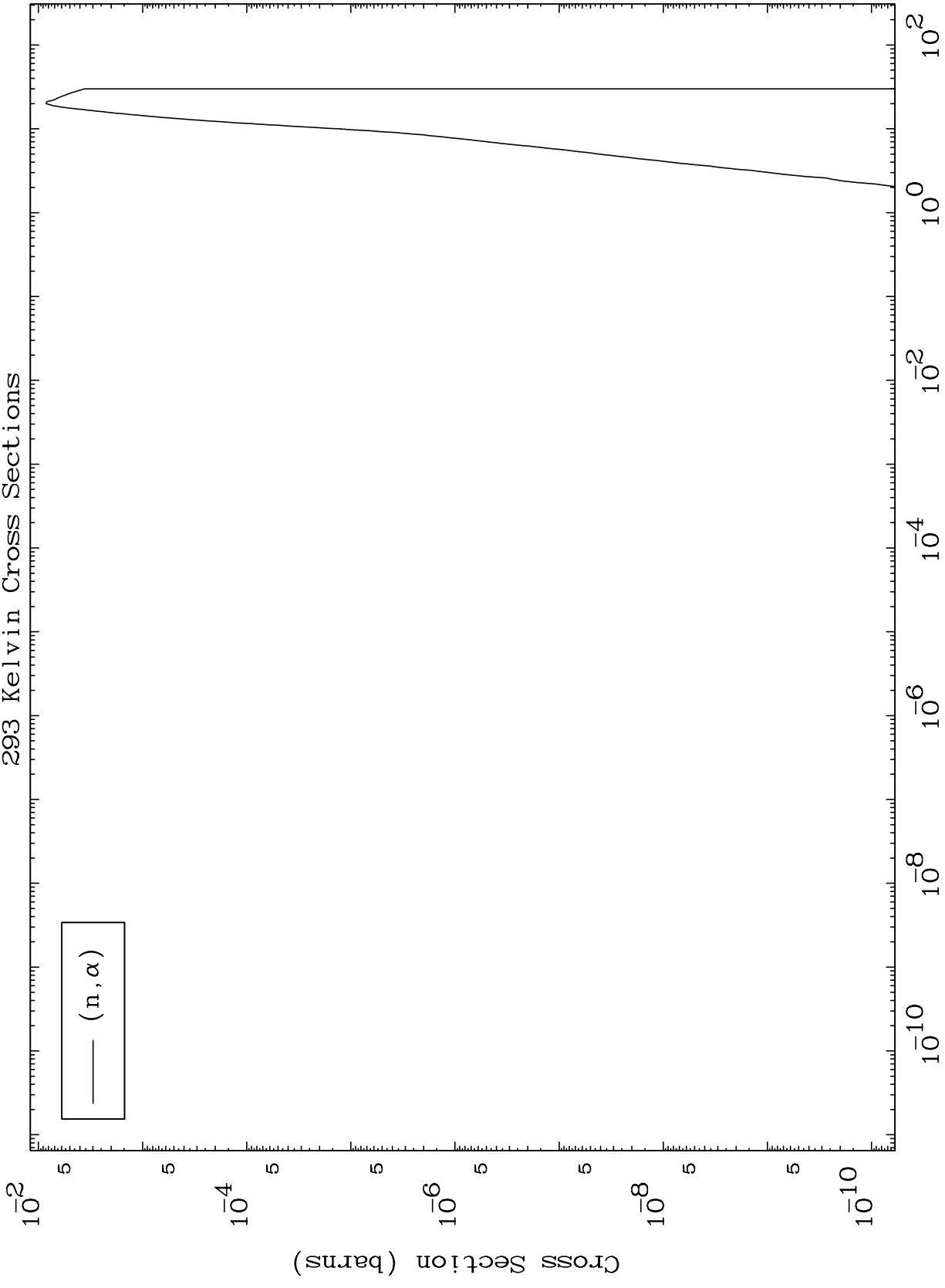
50-Sn-119

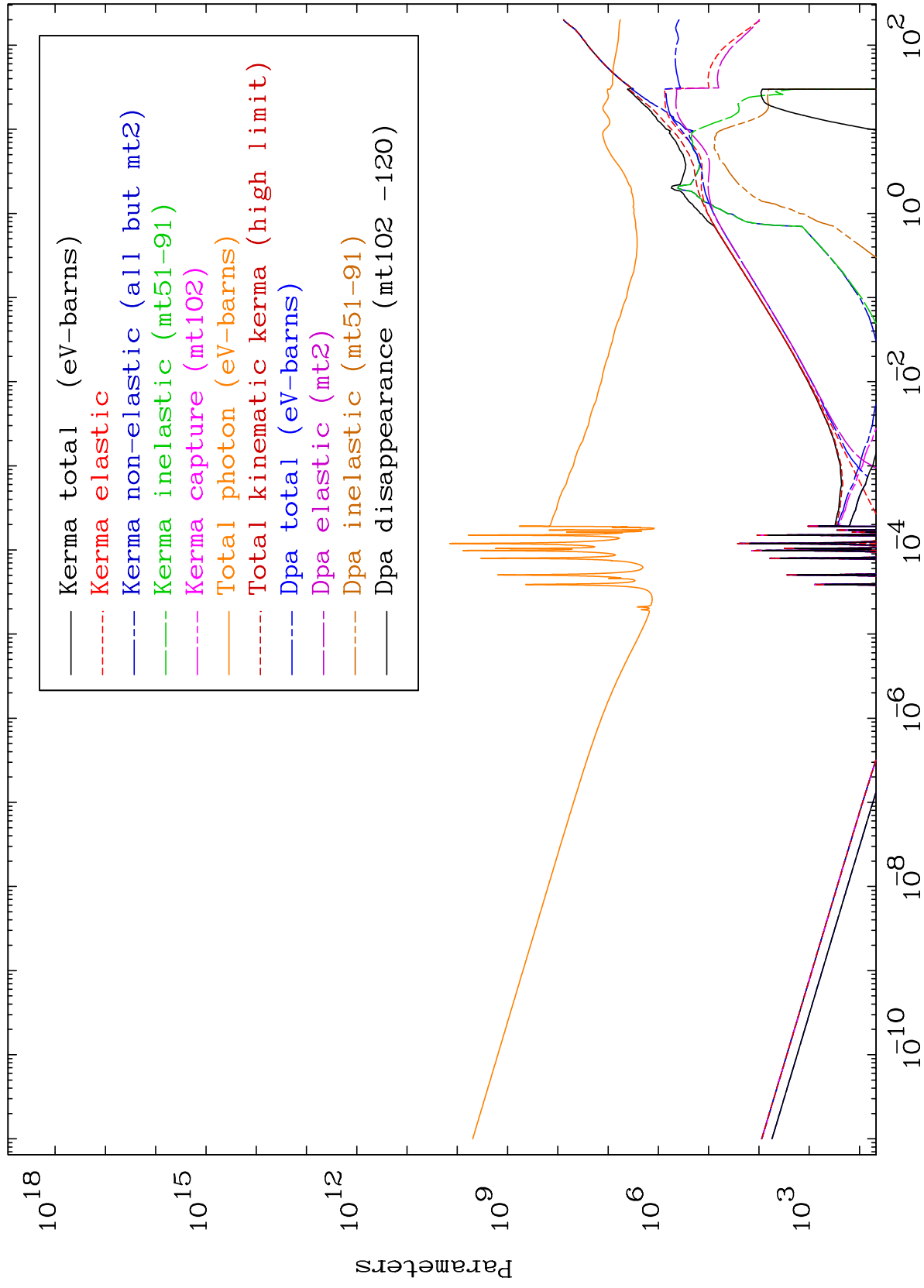


MAT 5047

(n,α) Levels
293 Kelvin Cross Sections

50-Sn-119

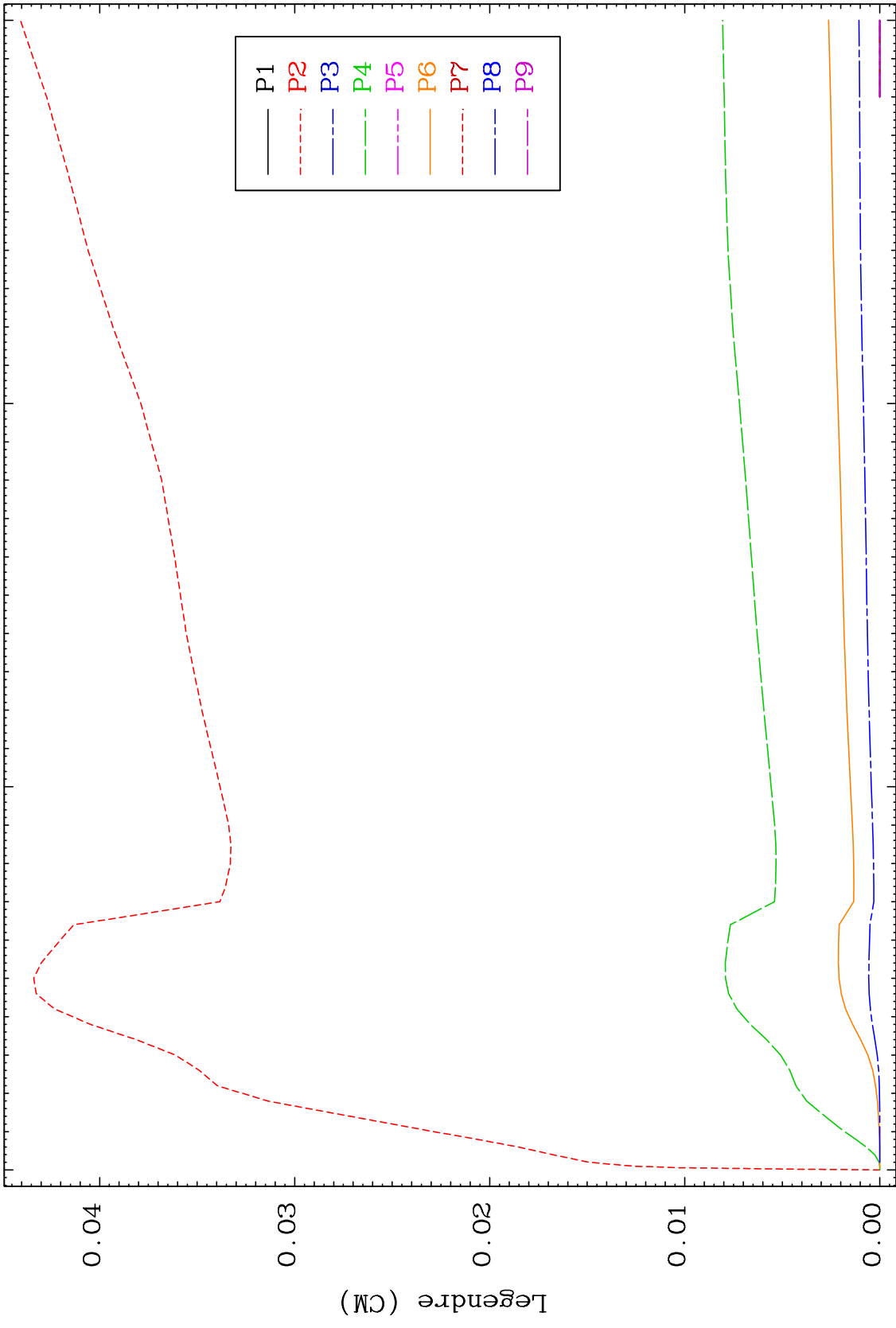




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Elastic Legendre Coefficients

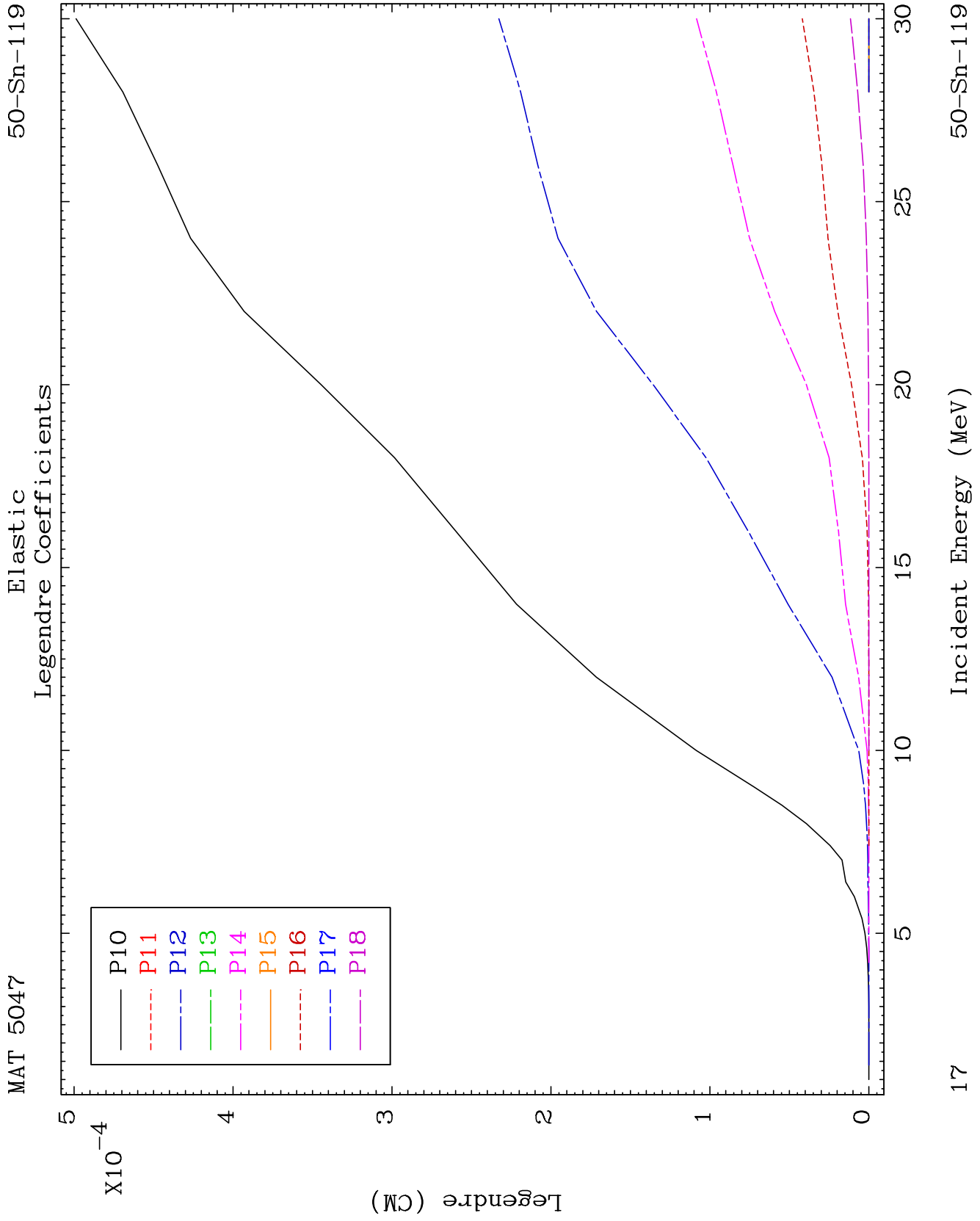
50-Sn-119



50-Sn-119

Incident Energy (MeV)

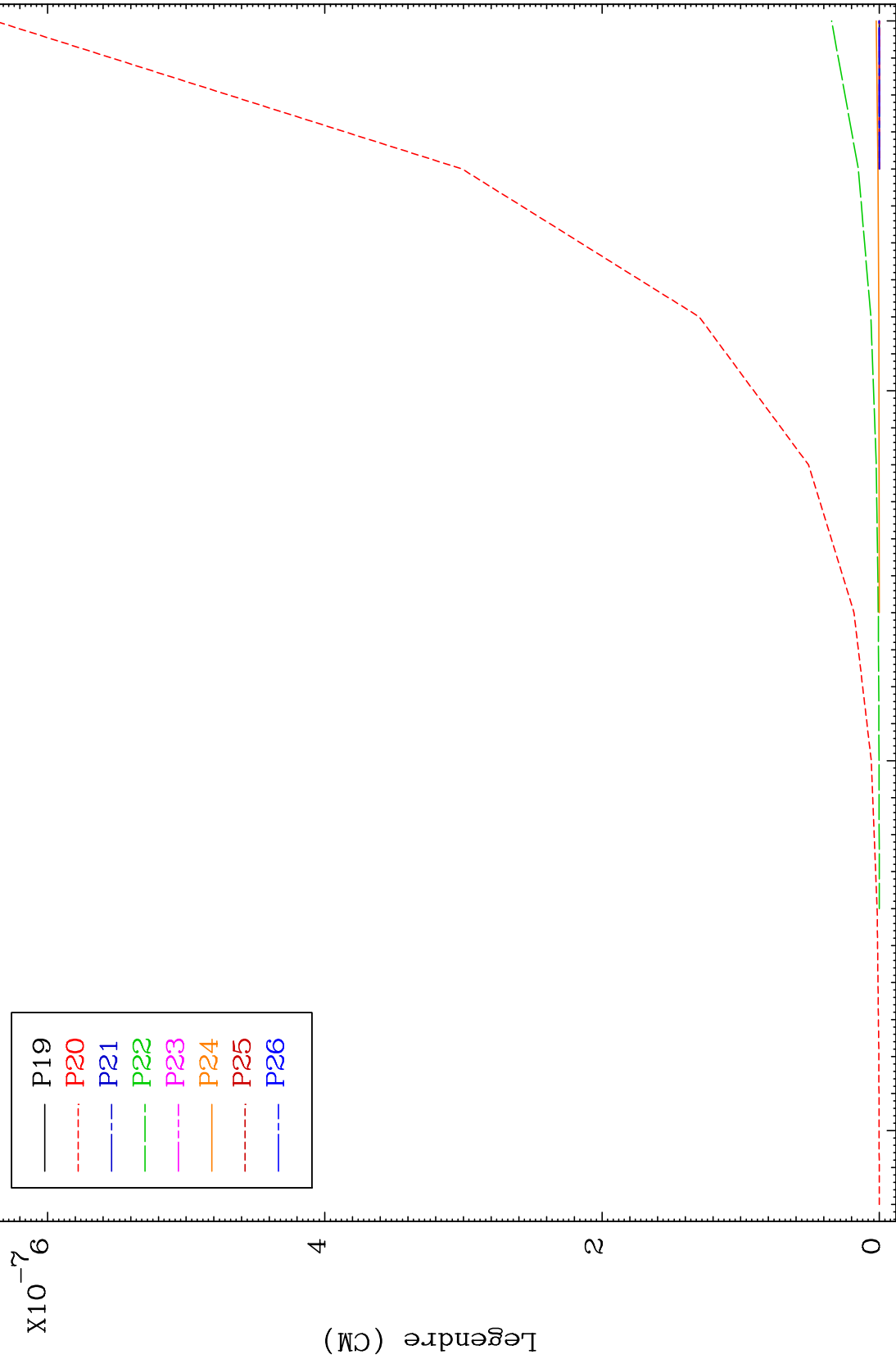
16



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Elastic Legendre Coefficients

50-Sn-119



18

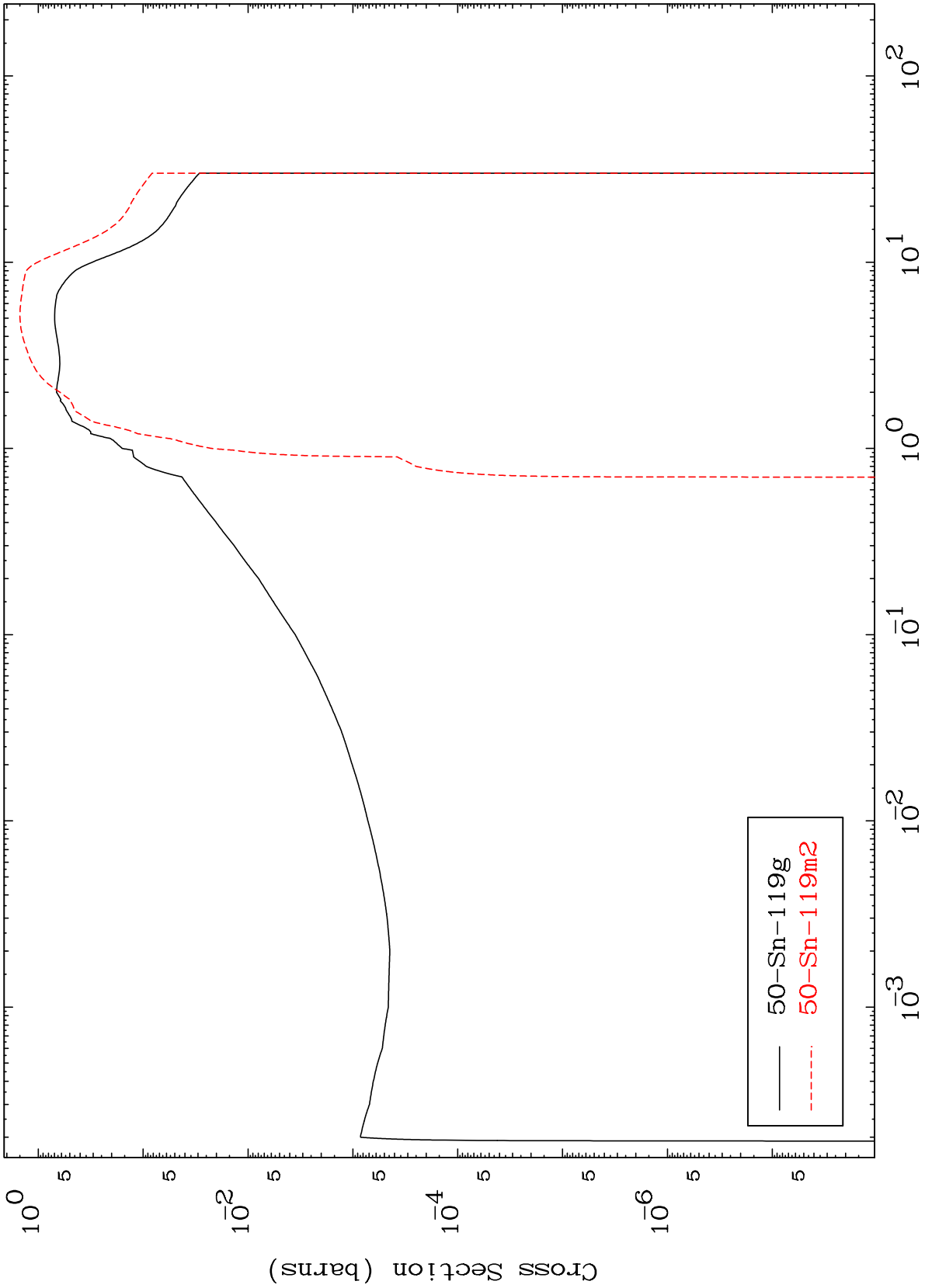
Incident Energy (MeV)

50-Sn-119

MAT 5047

50-Sn-119

Inelastic
Radionuclide Production Cross Section

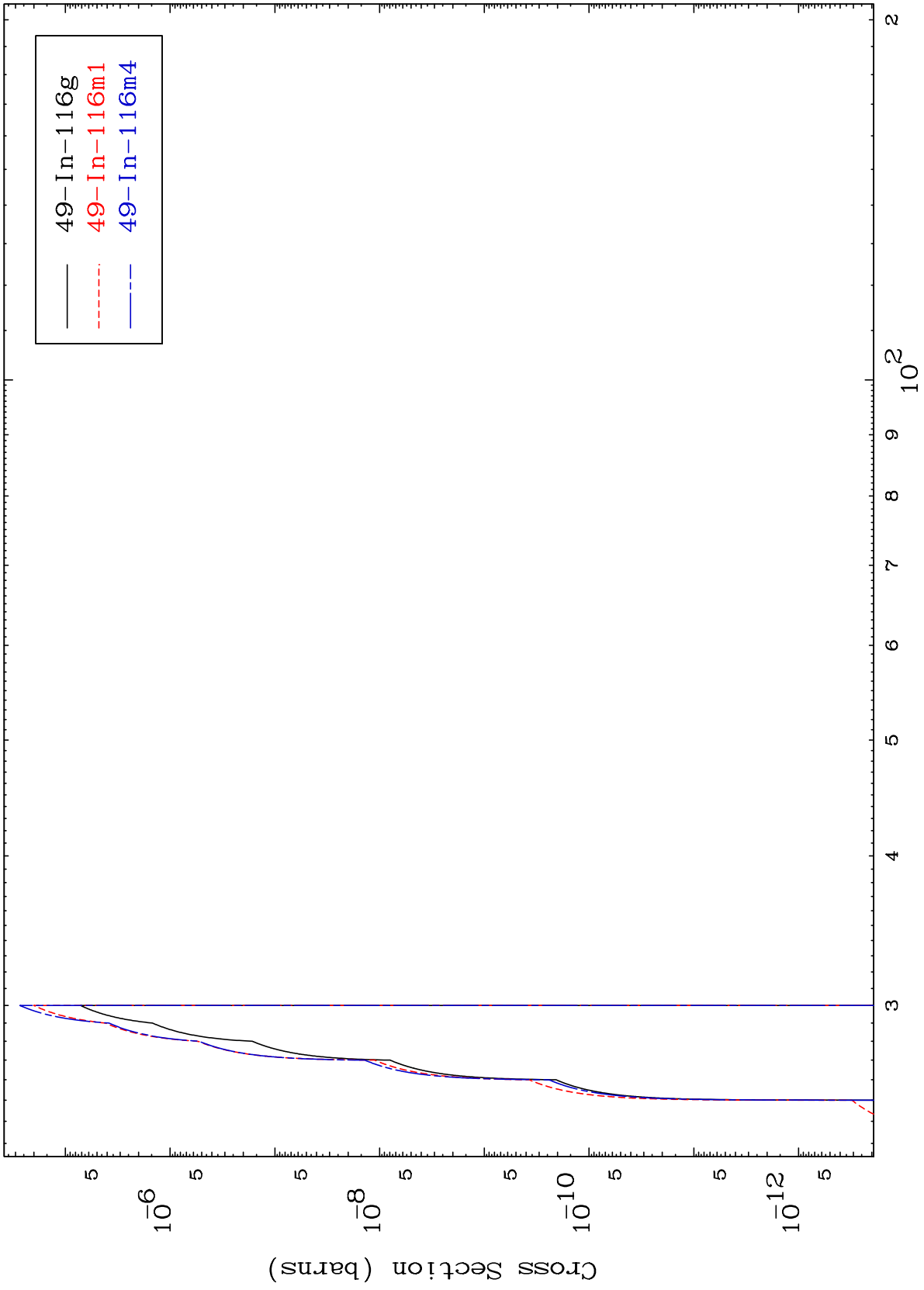


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(n,2n) d

50-Sn-119

Radionuclide Production Cross Section



20

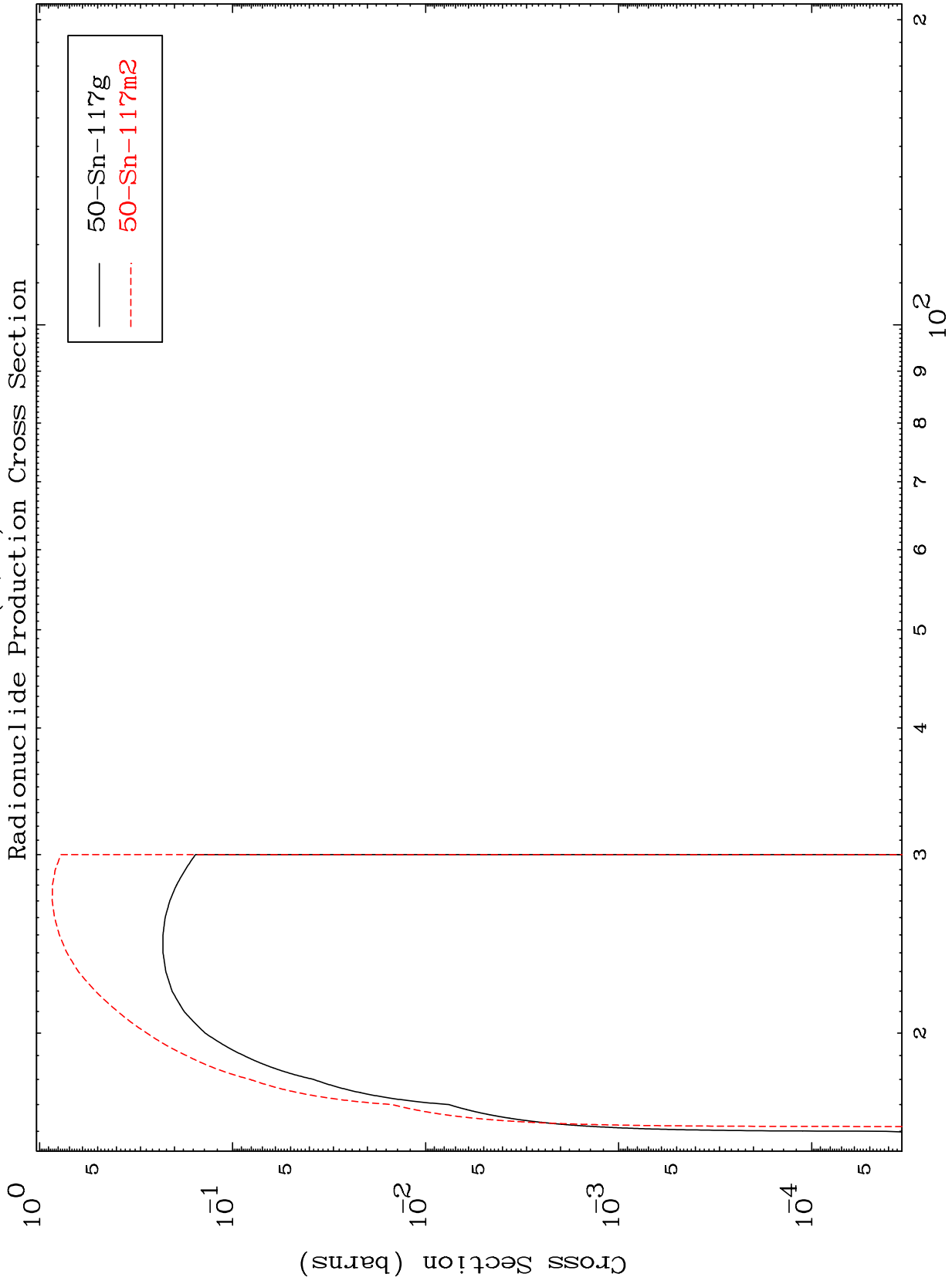
Incident Energy (MeV)

50-Sn-119

MAT 5047

50-Sn-119

(n,3n)
Radionuclide Production Cross Section



21

Incident Energy (MeV)

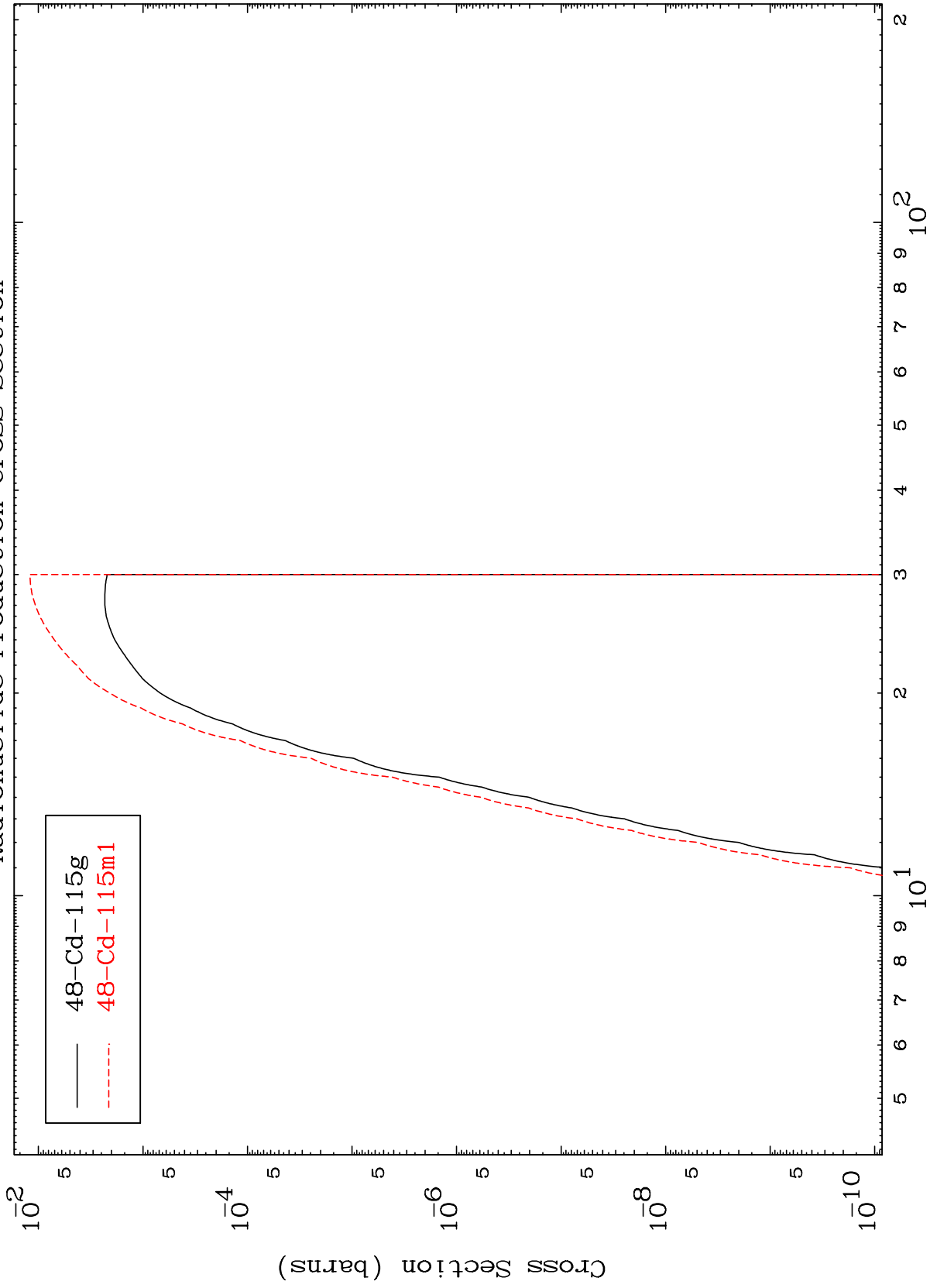
50-Sn-119

MAT 5047

(n,n') α

50-Sn-119

Radionuclide Production Cross Section



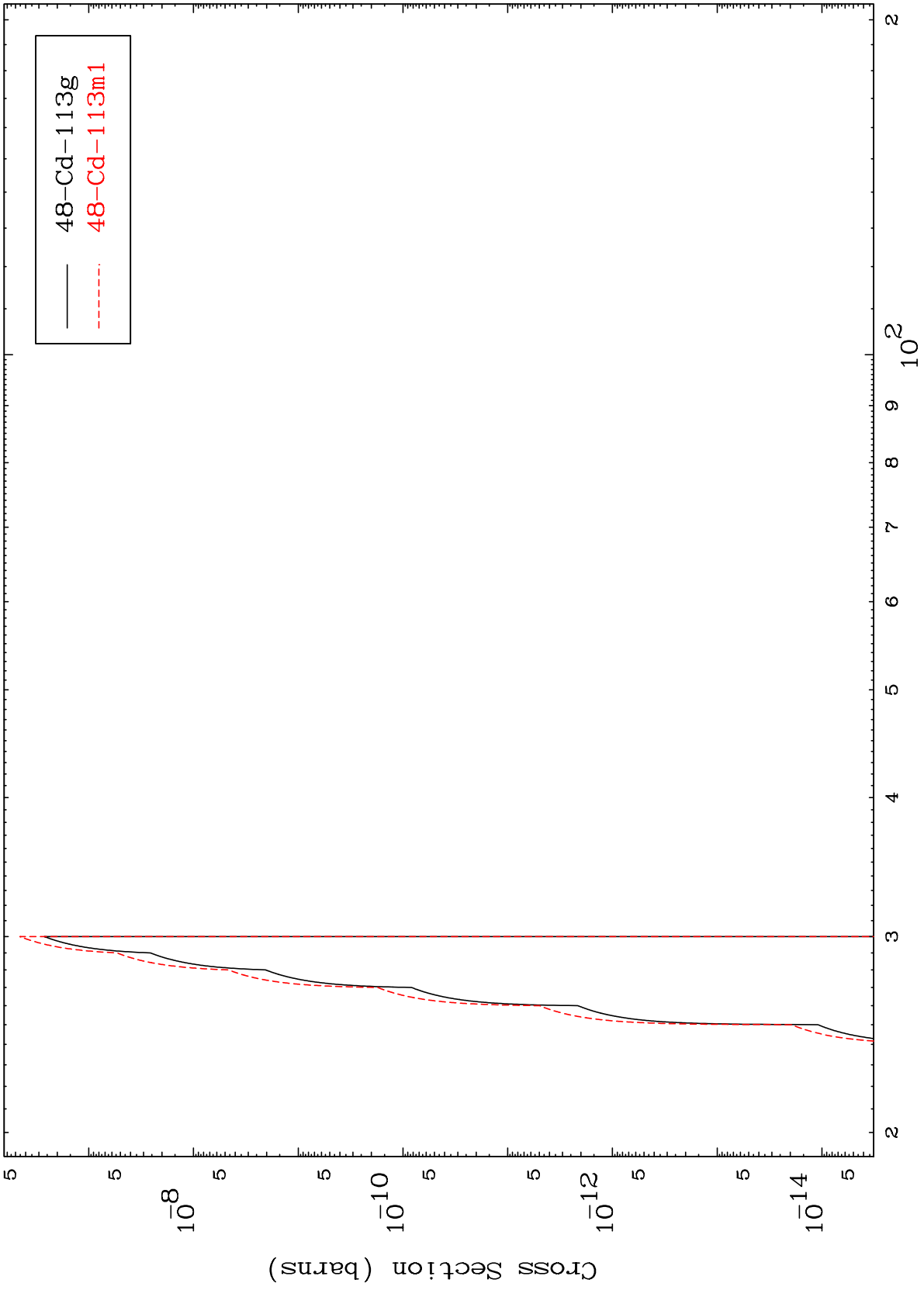
48-Cd-115g
48-Cd-115m1

MAT 5047

(n,3n) α

50-Sn-119

Radionuclide Production Cross Section



23

Incident Energy (MeV)

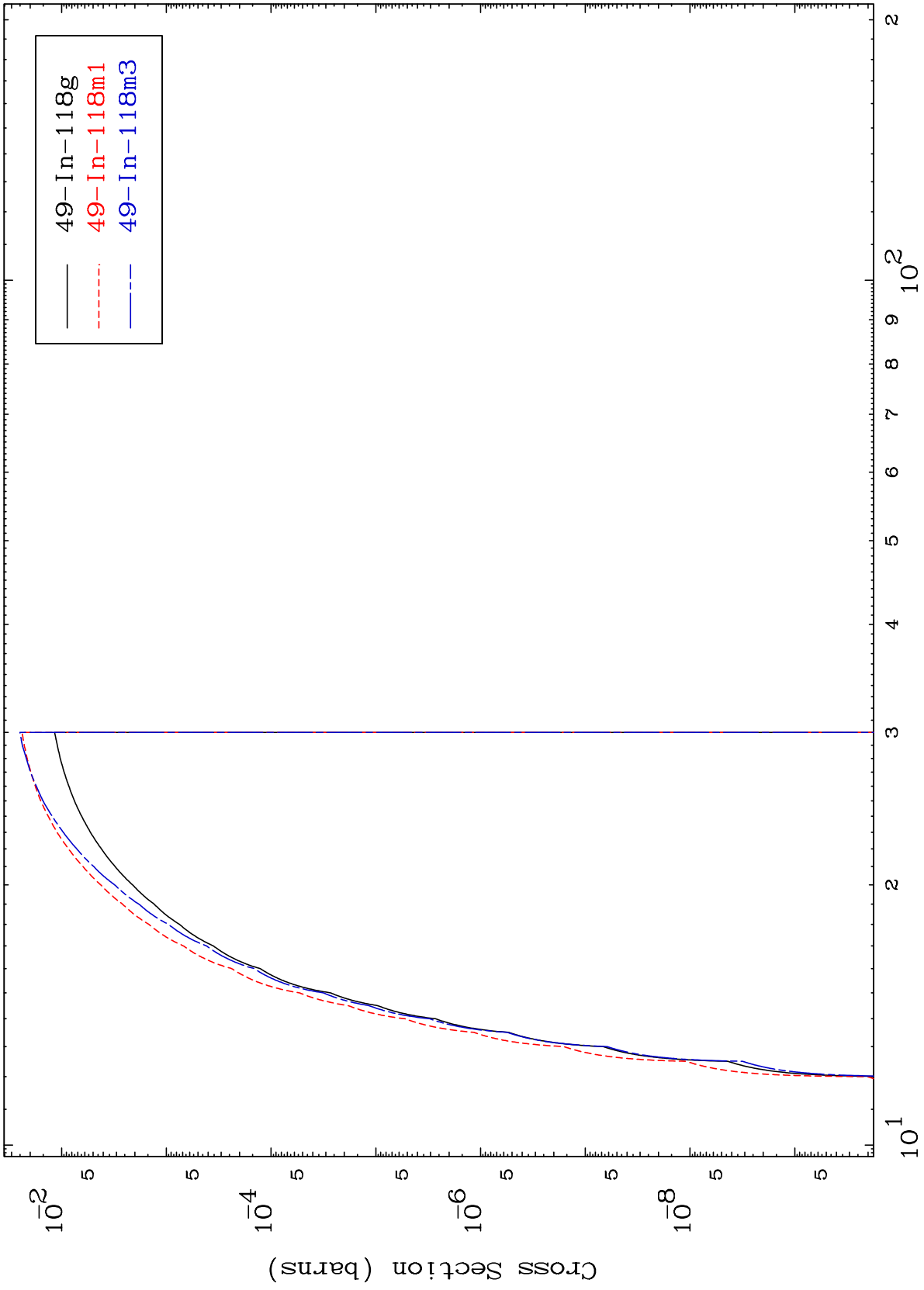
50-Sn-119

MAT 5047

(n,n') p

50-Sn-119

Radionuclide Production Cross Section



10¹

Incident Energy (MeV)

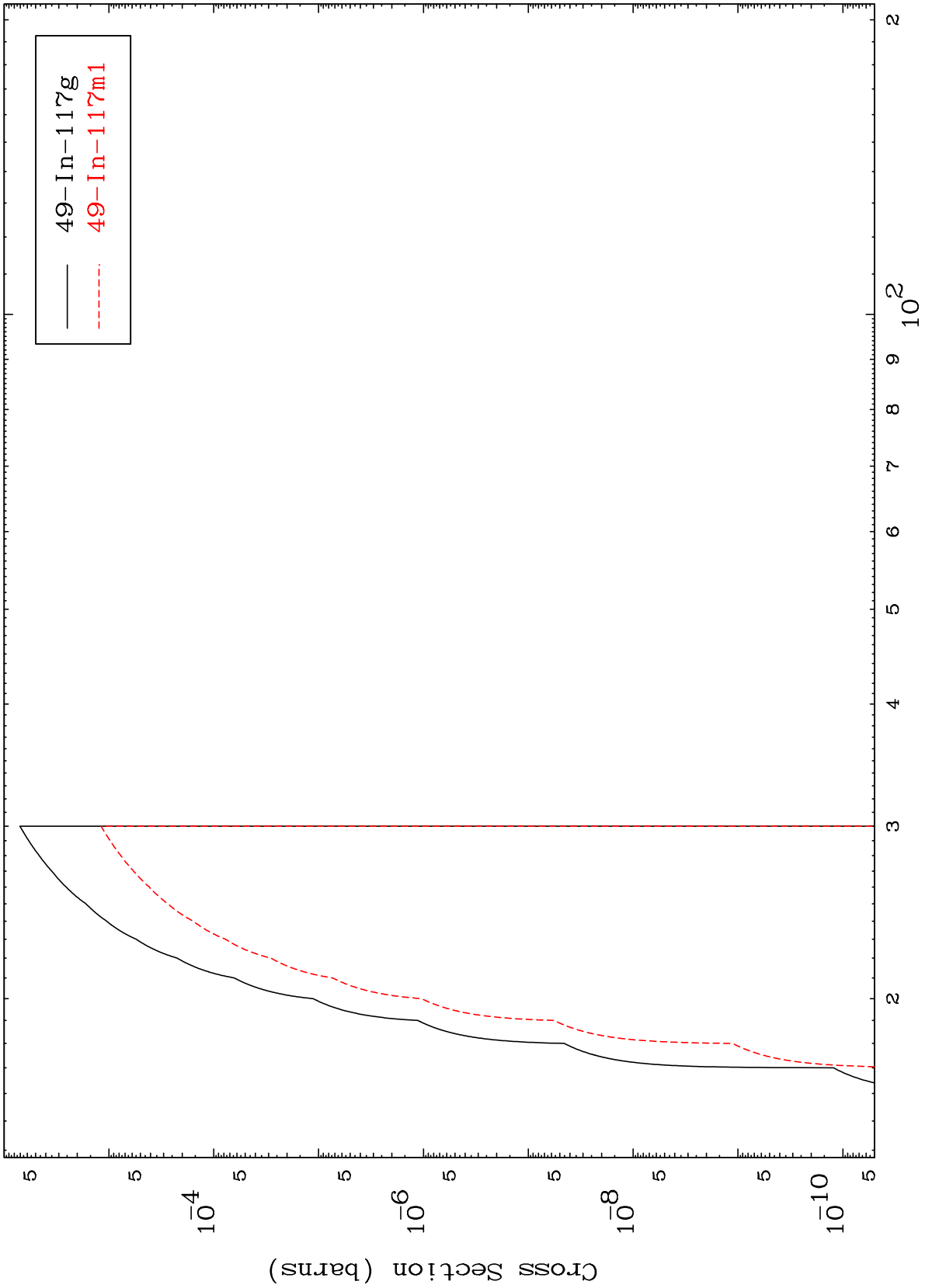
50-Sn-119

MAT 5047

(n,n') d

50-Sn-119

Radionuclide Production Cross Section



25

Incident Energy (MeV)

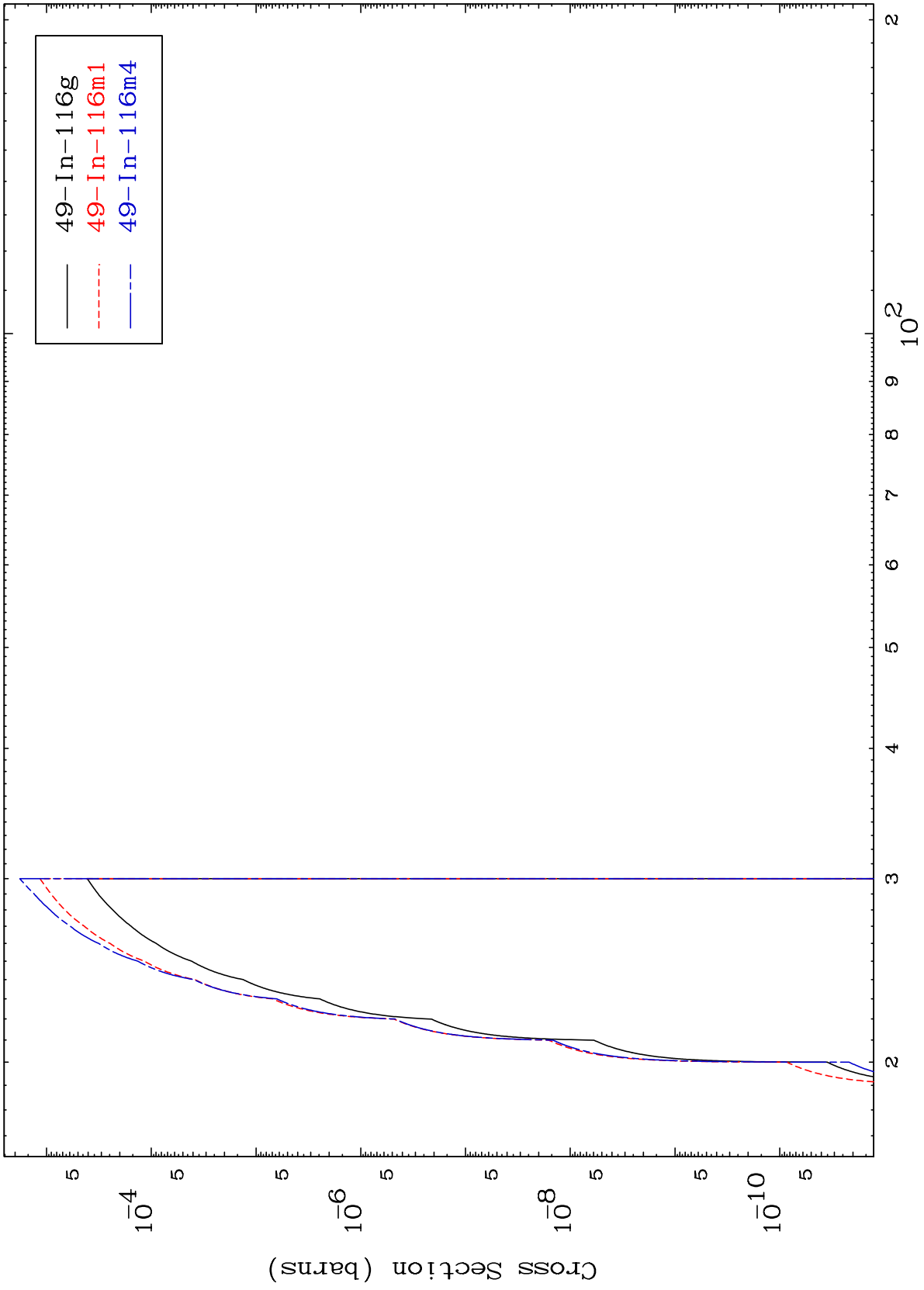
50-Sn-119

MAT 5047

(n,n') t

50-Sn-119

Radionuclide Production Cross Section



26

Incident Energy (MeV)

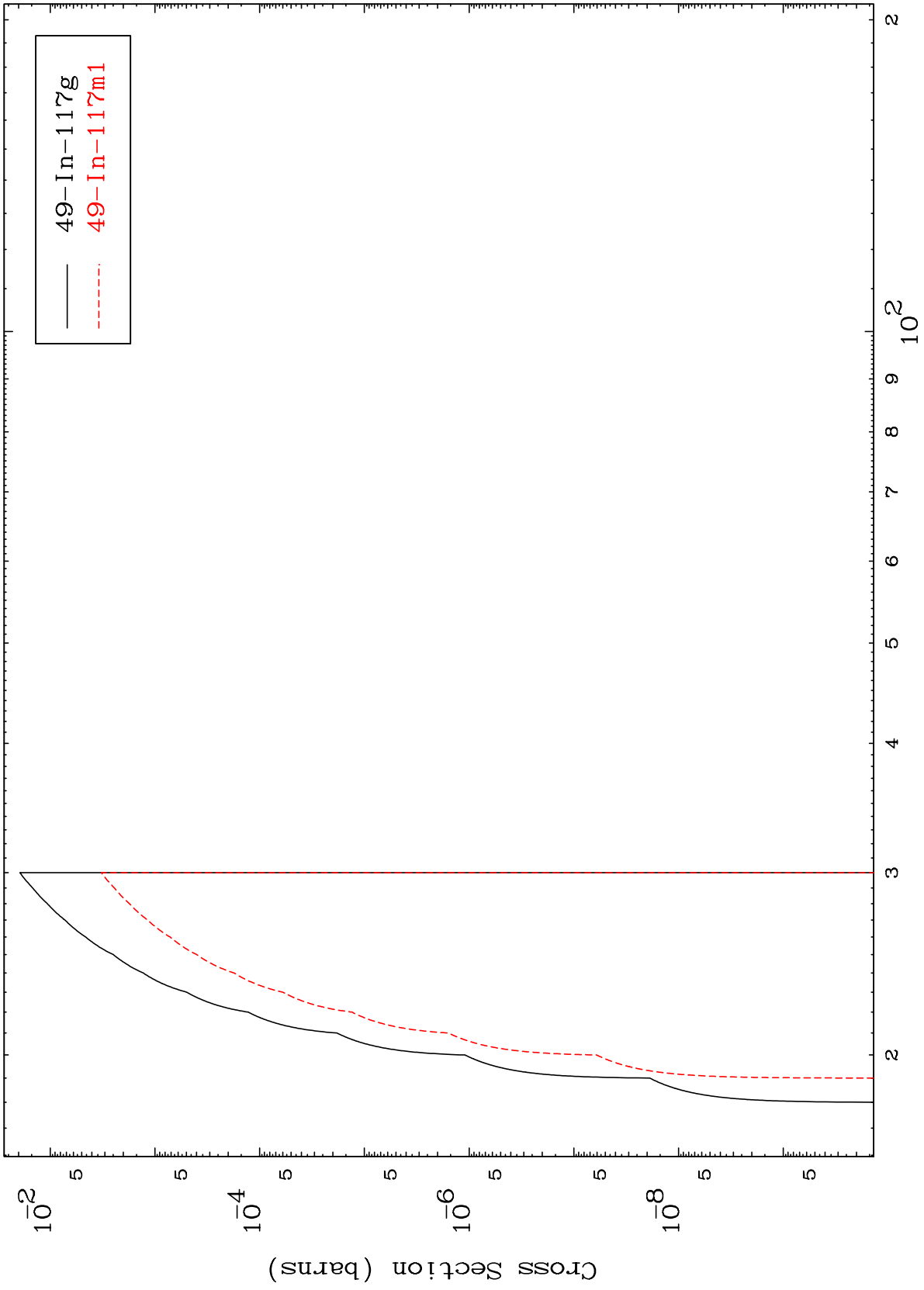
50-Sn-119

MAT 5047

(n,2n) p

50-Sn-119

Radionuclide Production Cross Section



27

Incident Energy (MeV)

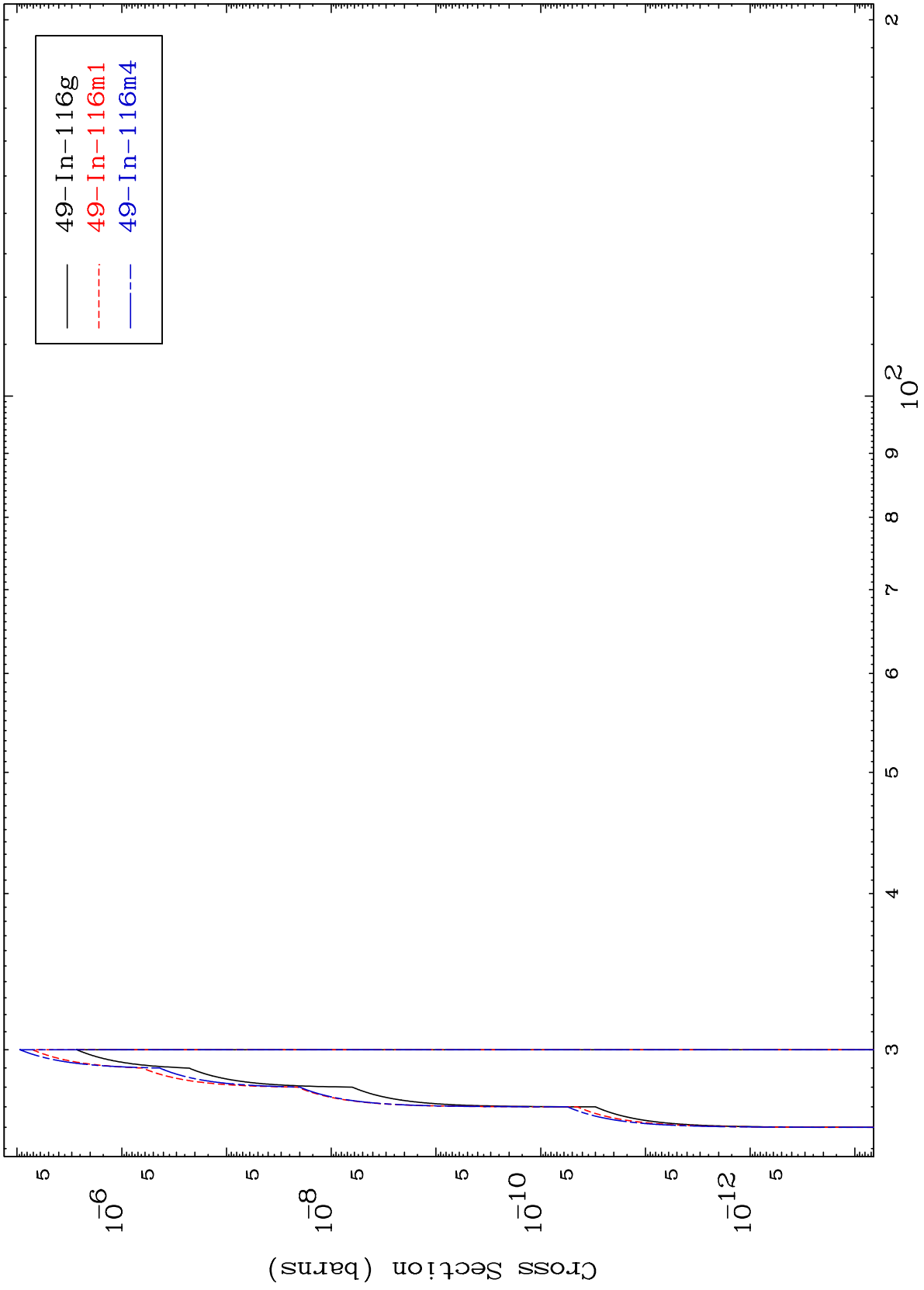
50-Sn-119

MAT 5047

(n,3n) p

50-Sn-119

Radionuclide Production Cross Section



28

Incident Energy (MeV)

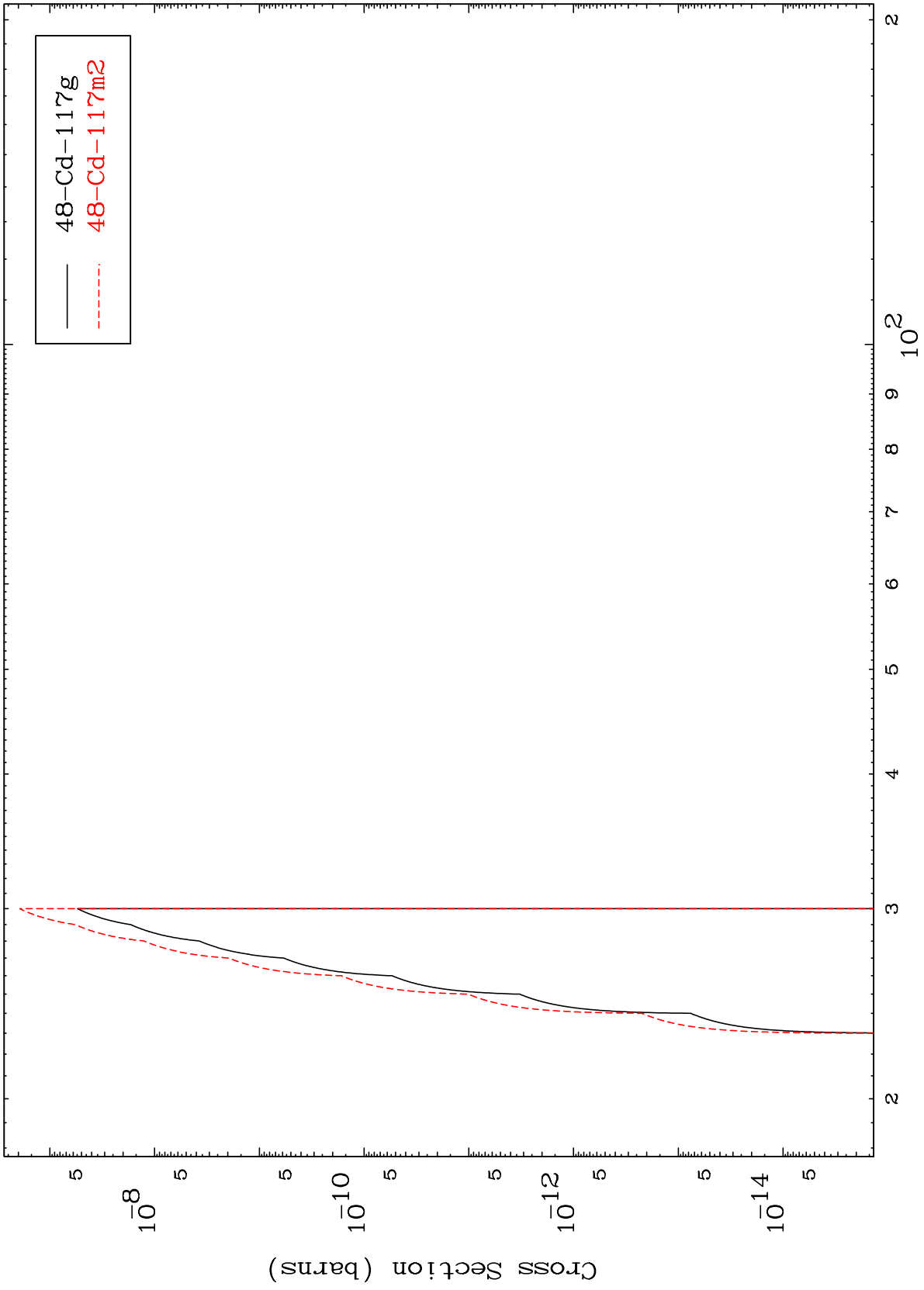
50-Sn-119

MAT 5047

(n,2n) p

50-Sn-119

Radionuclide Production Cross Section



29

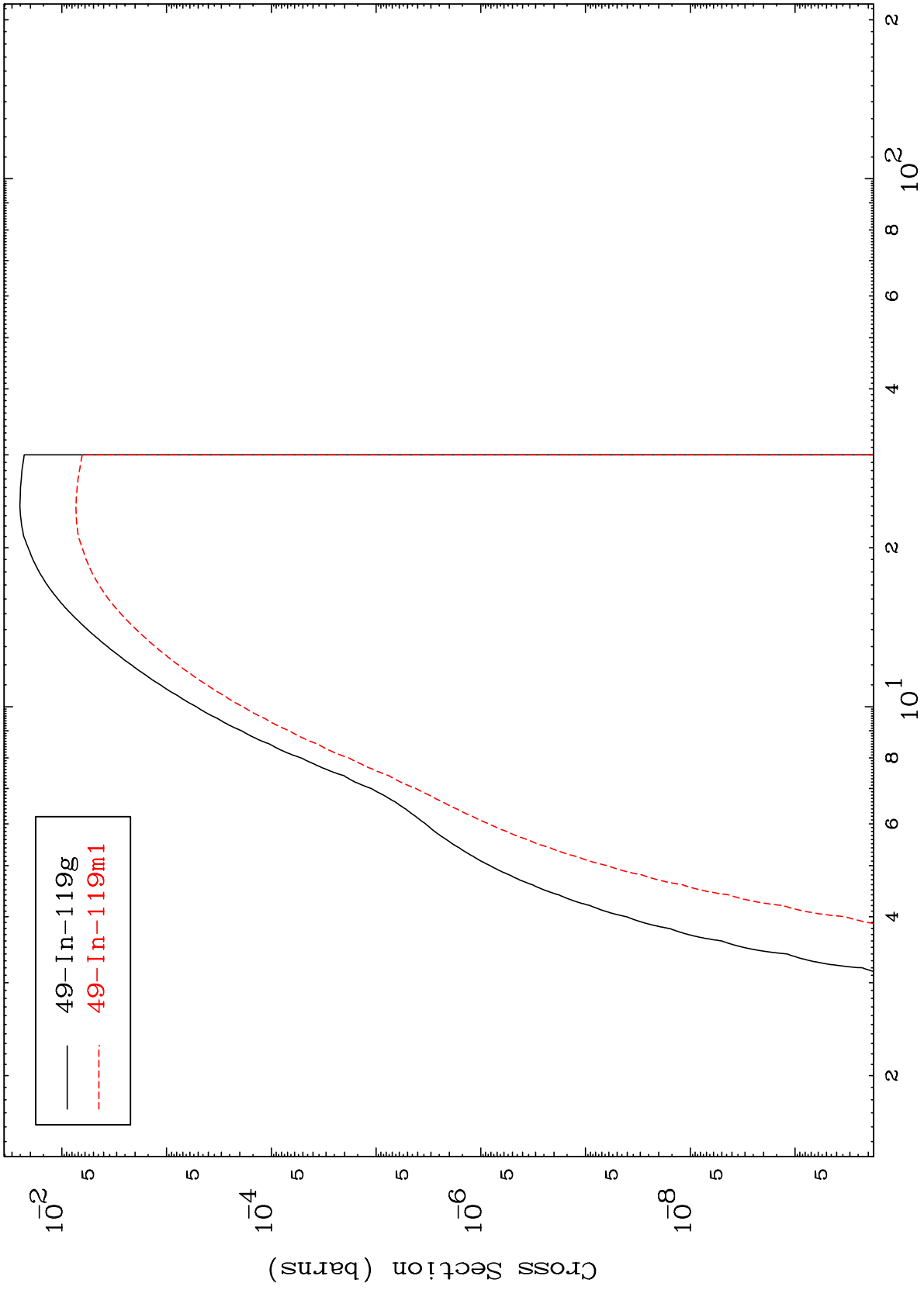
Incident Energy (MeV)

50-Sn-119

MAT 5047

50-Sn-119

(n,p)
Radionuclide Production Cross Section



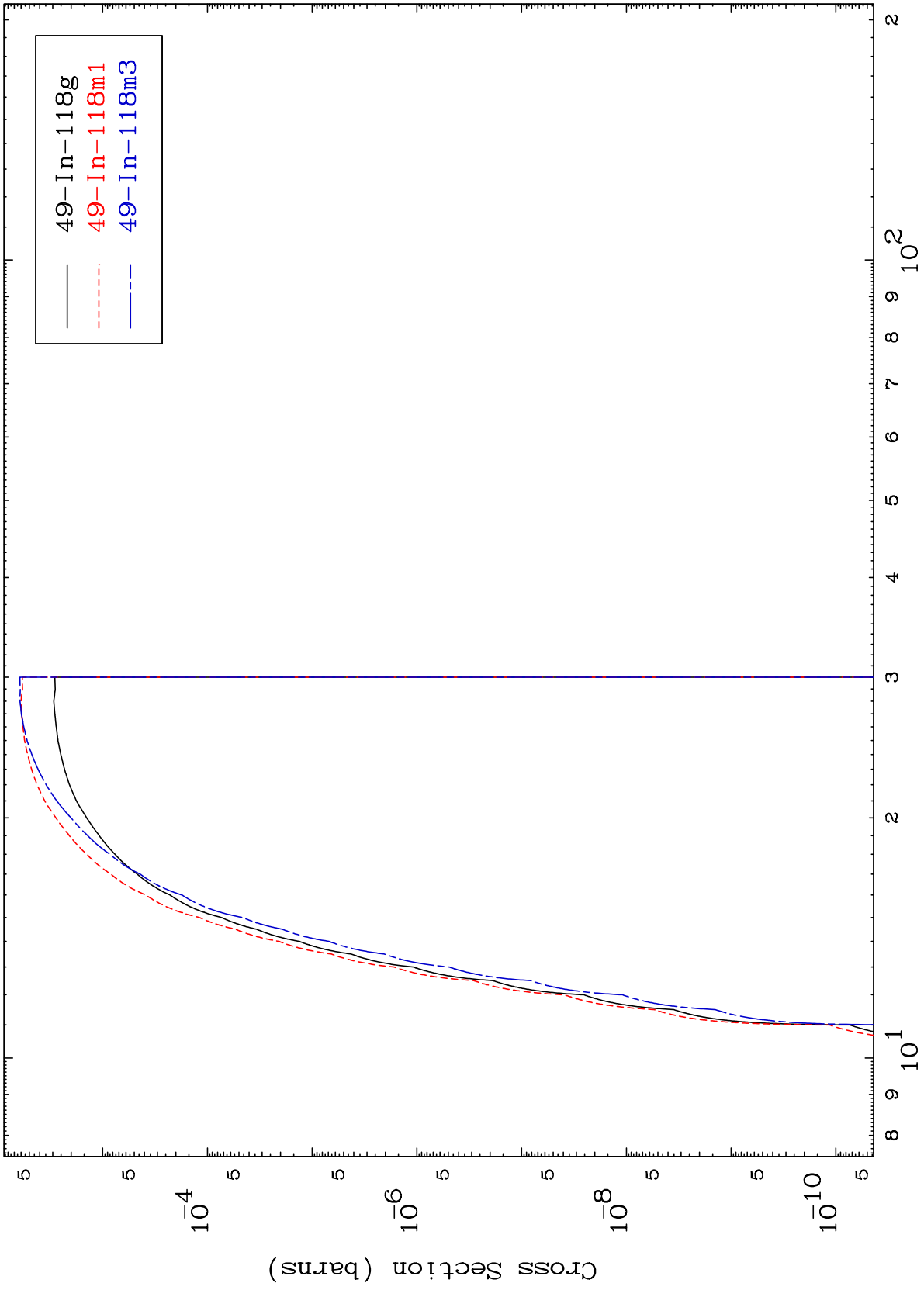
30

50-Sn-119

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50-Sn-119

(n,d)
Radionuclide Production Cross Section



31

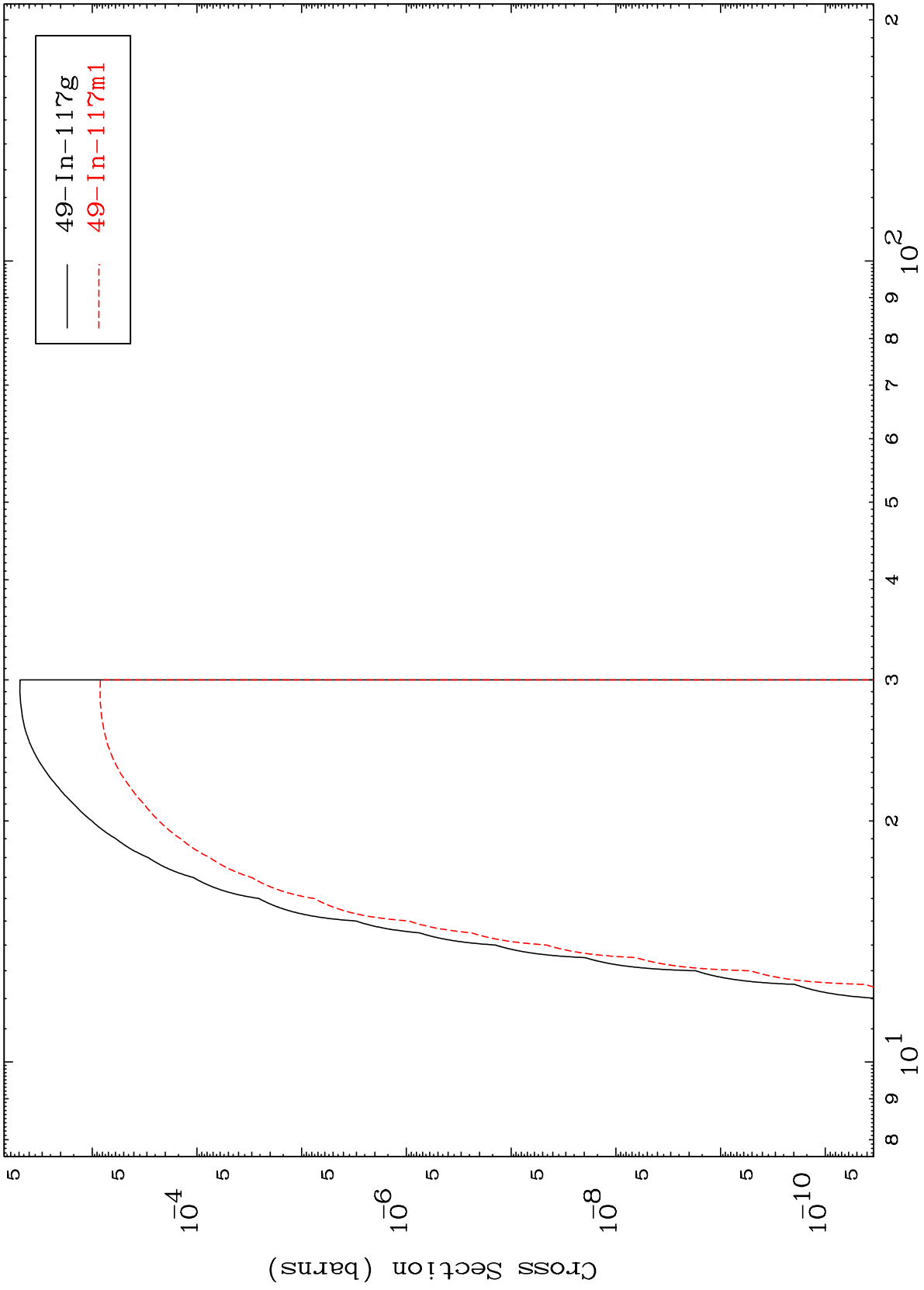
Incident Energy (MeV)

50-Sn-119

MAT 5047

50-Sn-119

(n, t)
Radionuclide Production Cross Section



32

Incident Energy (MeV)

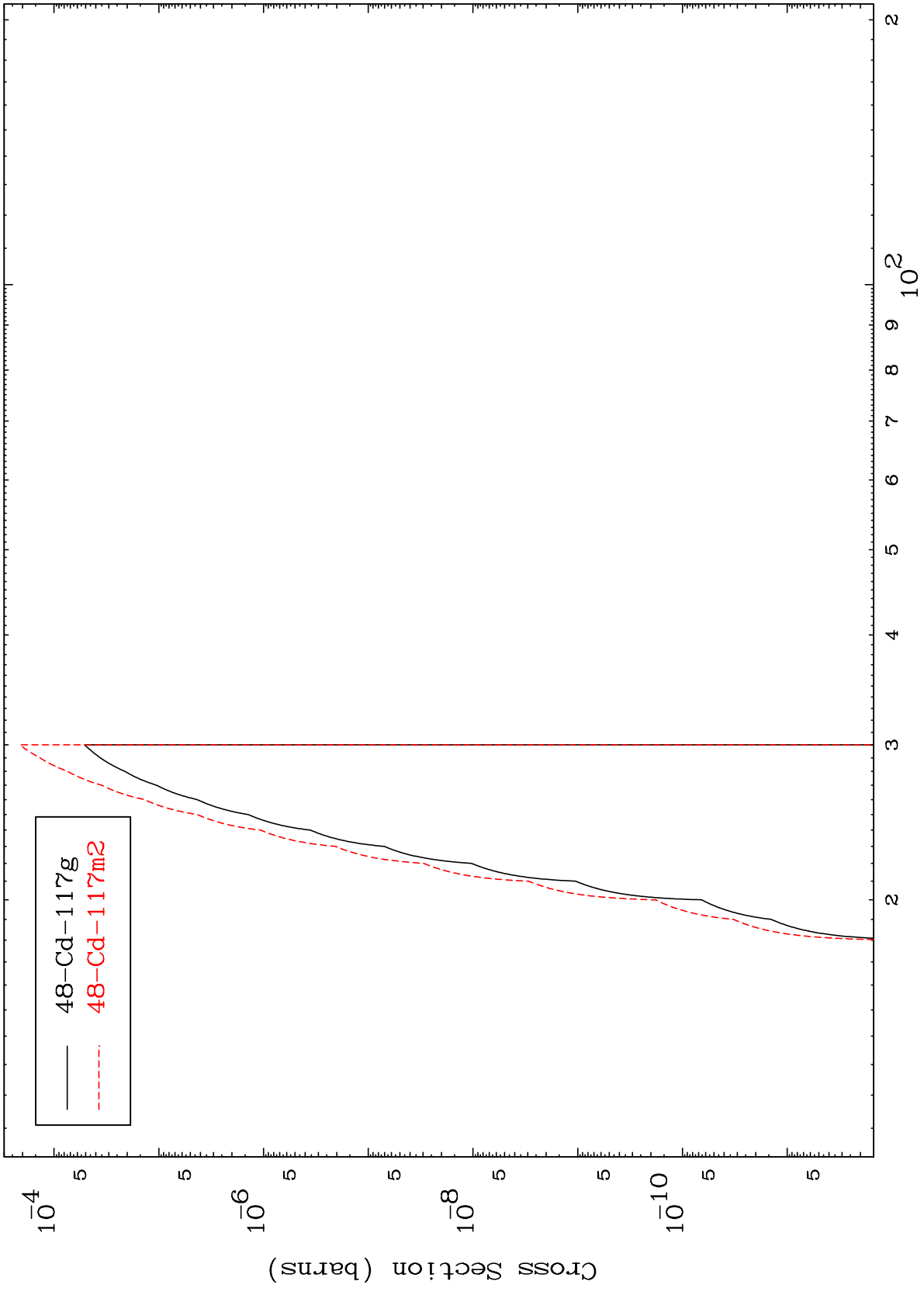
50-Sn-119

MAT 5047

(n,He-3)

50-Sn-119

Radionuclide Production Cross Section

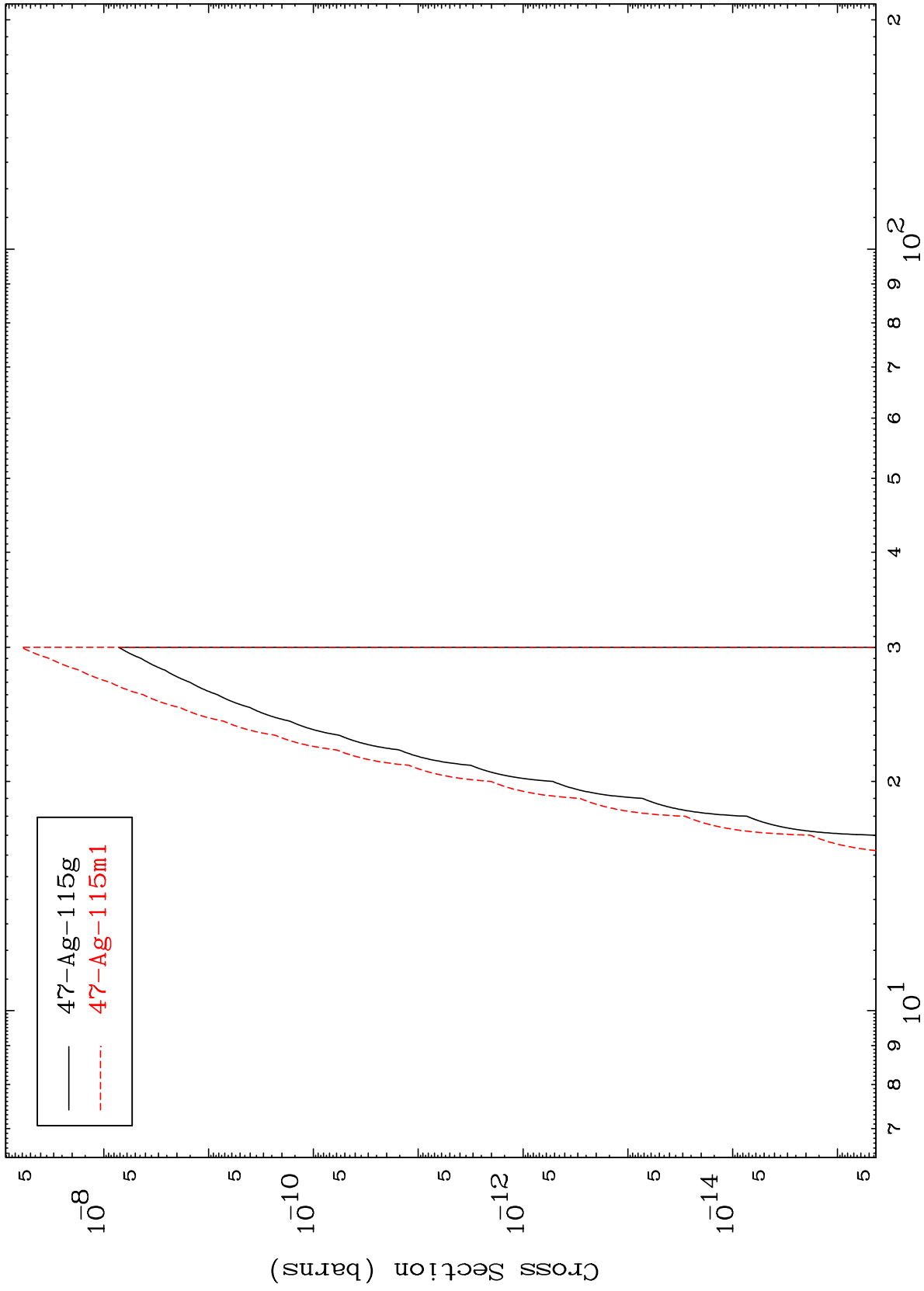


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(n,p) α

50-Sn-119

Radionuclide Production Cross Section



34

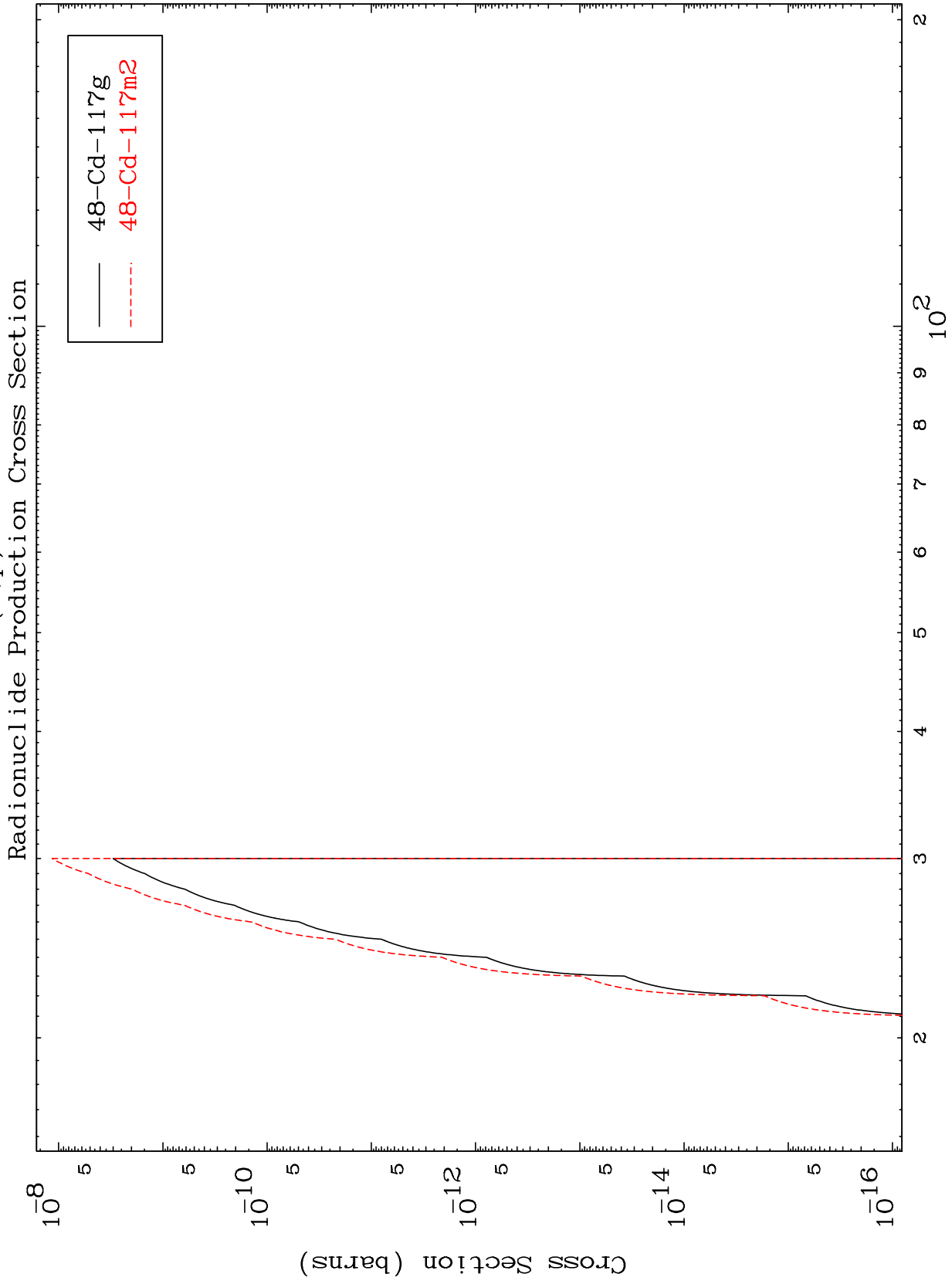
Incident Energy (MeV)

50-Sn-119

MAT 5047

(n,p) d

50-Sn-119



35

Incident Energy (MeV)

50-Sn-119