

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

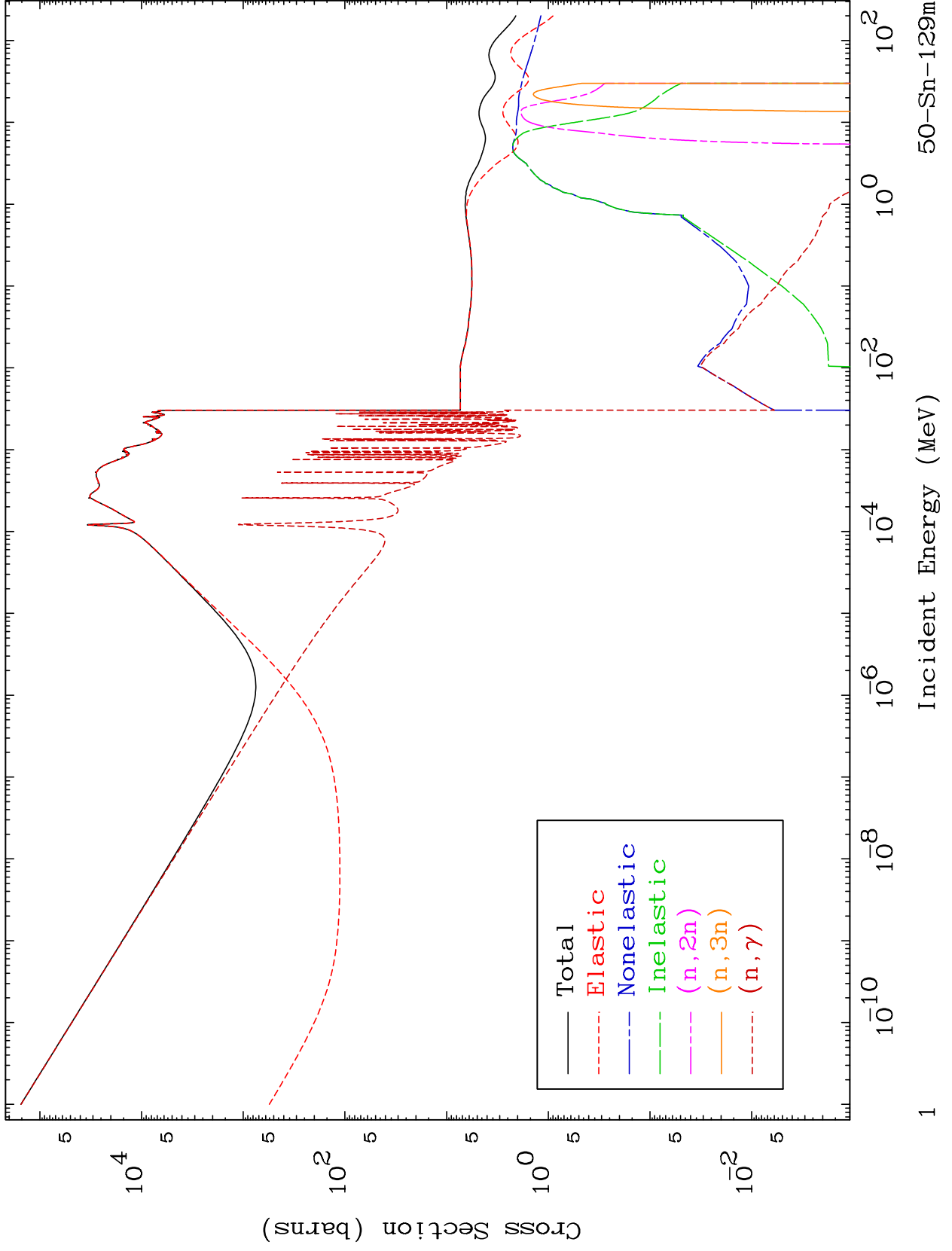
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5077

Neutron Major
293 Kelvin Cross Sections

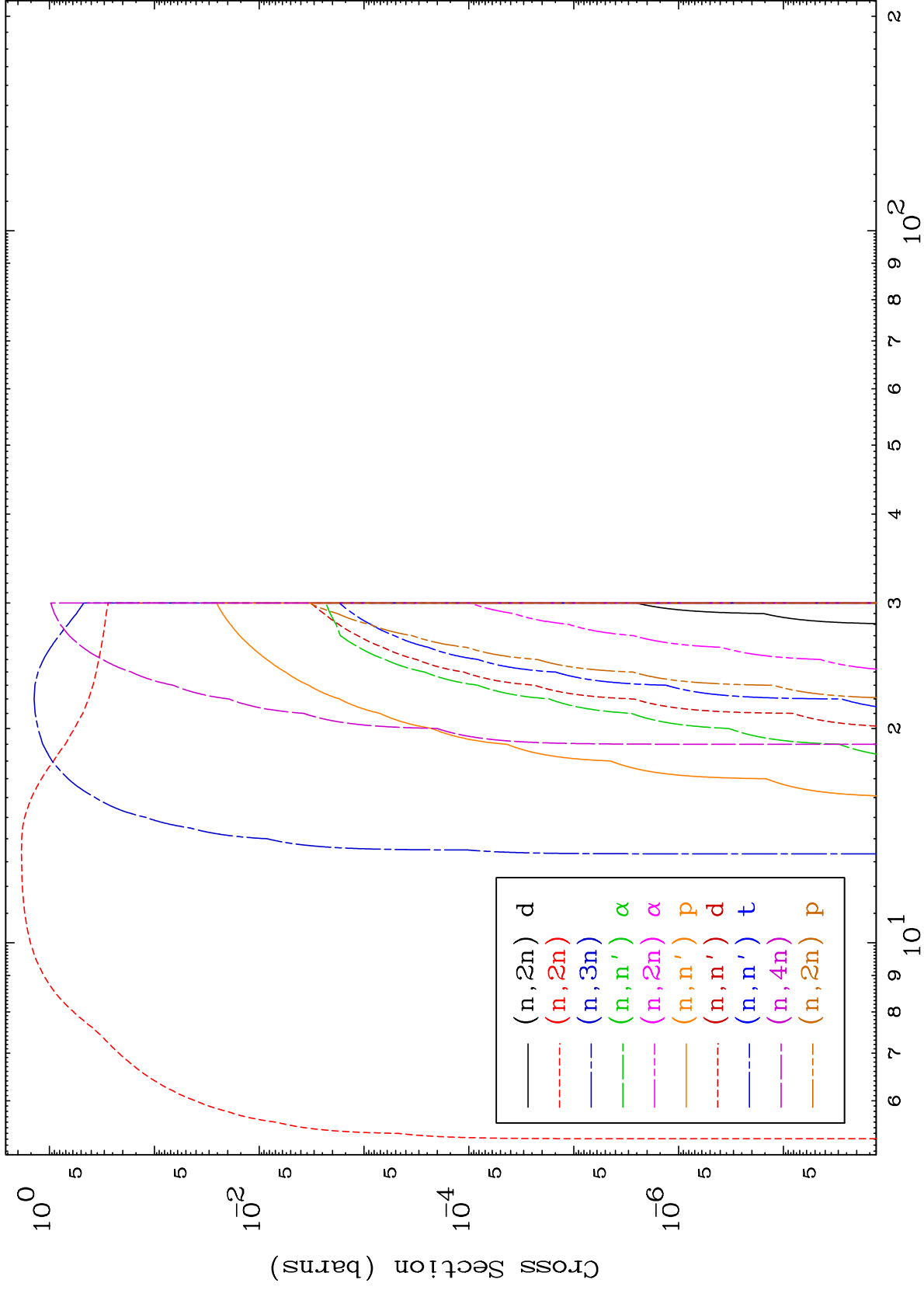
50-Sn-129m



MAT 50777

Neutron Absorption
293 Kelvin Cross Sections

50-Sn-129m



2

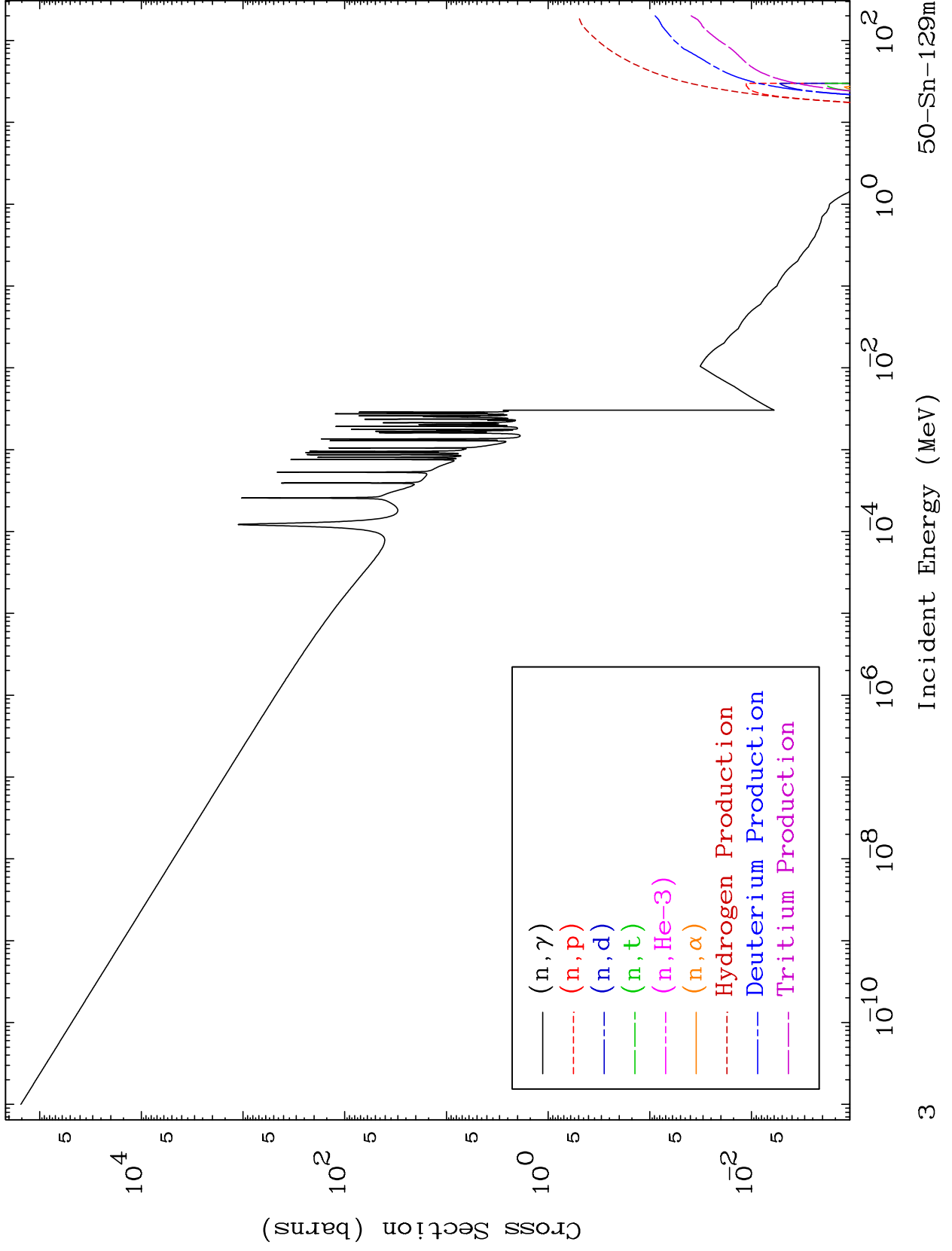
Incident Energy (MeV)

50-Sn-129m

MAT 50777

Neutron Absorption
293 Kelvin Cross Sections

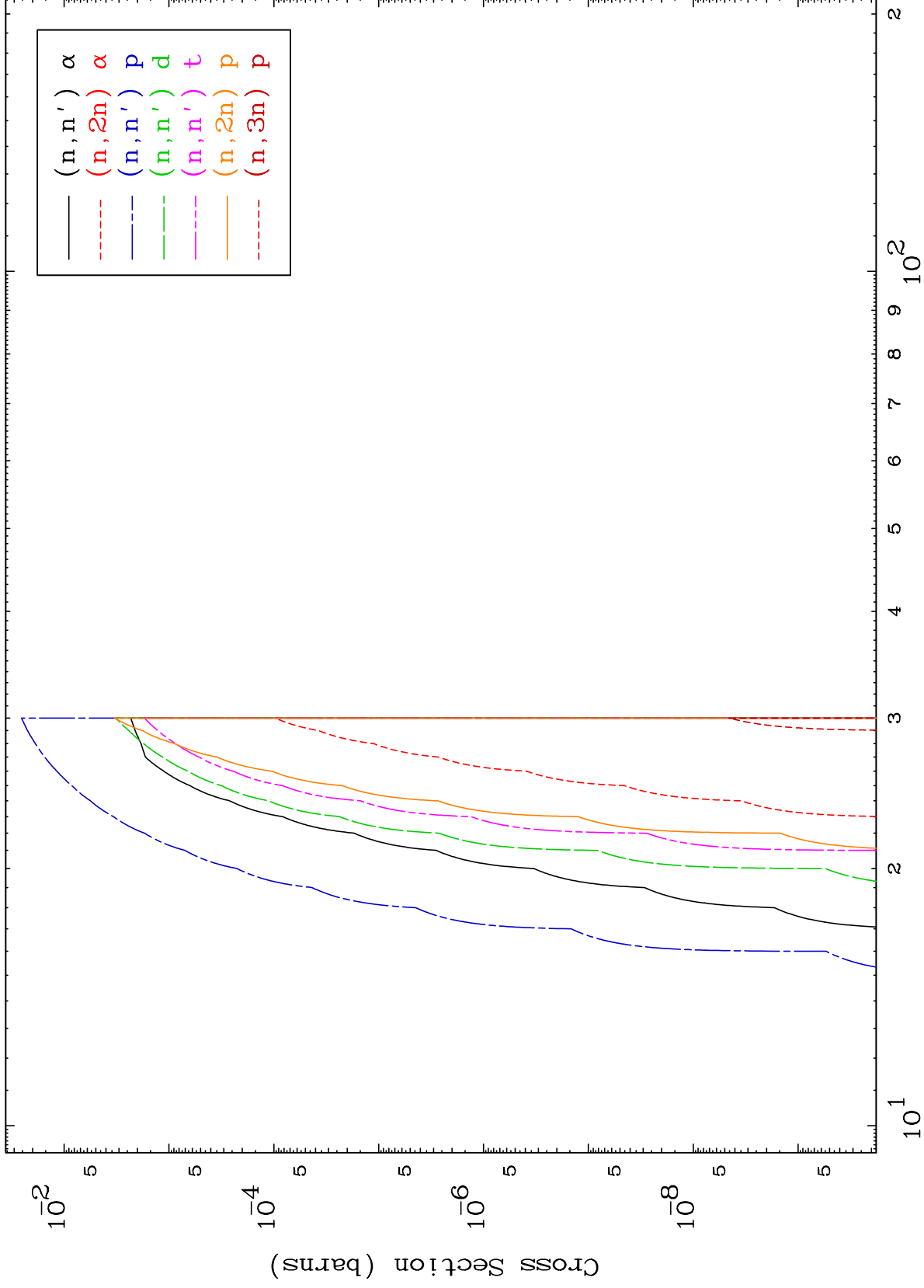
50-Sn-129m



MAT 5077

Charged Particle
293 Kelvin Cross Sections

50-Sn-129m



50-Sn-129m

Incident Energy (MeV)

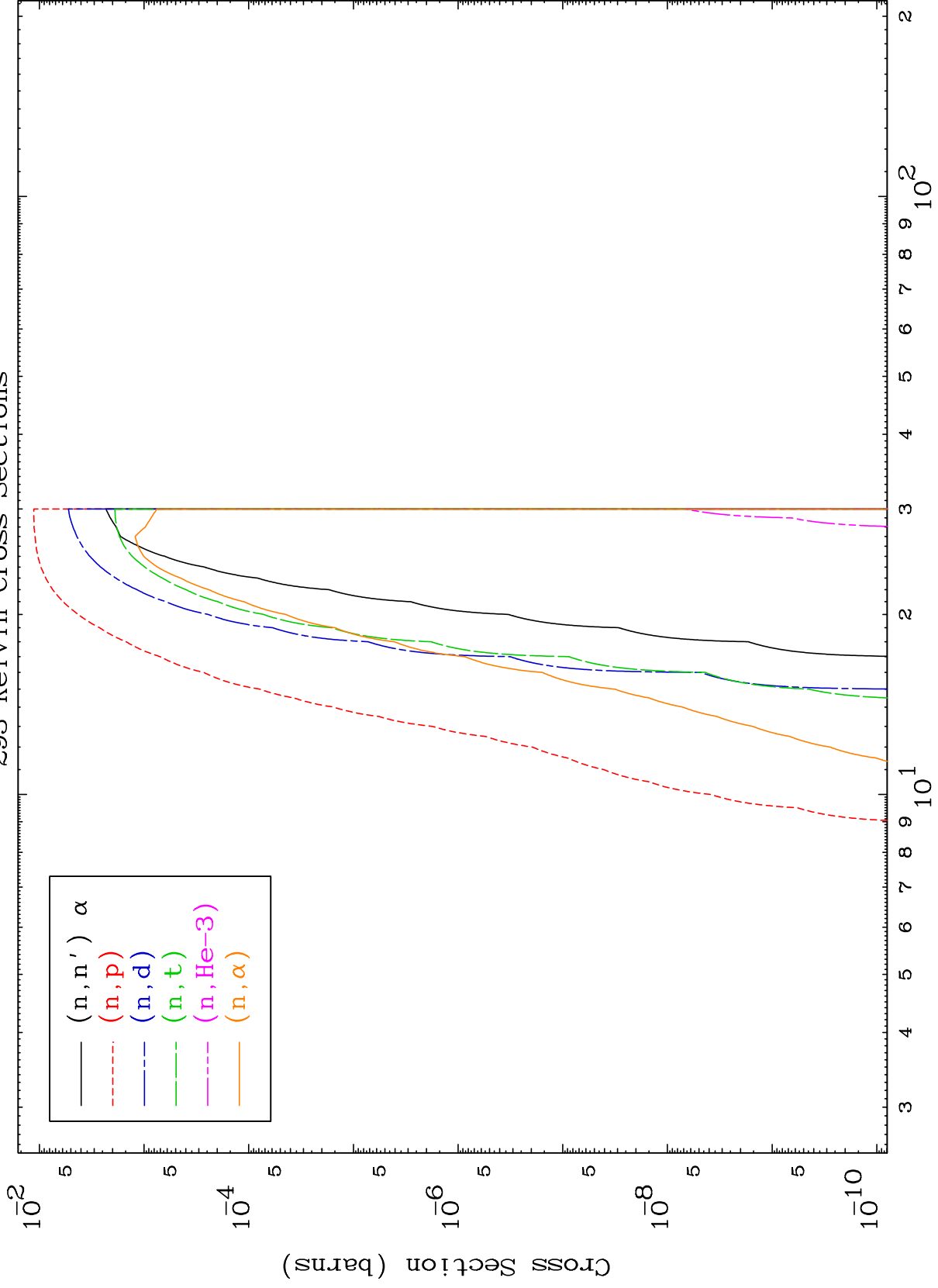
10¹

10²

MAT 5077

Charged Particle
293 Kelvin Cross Sections

50-Sn-129m



5

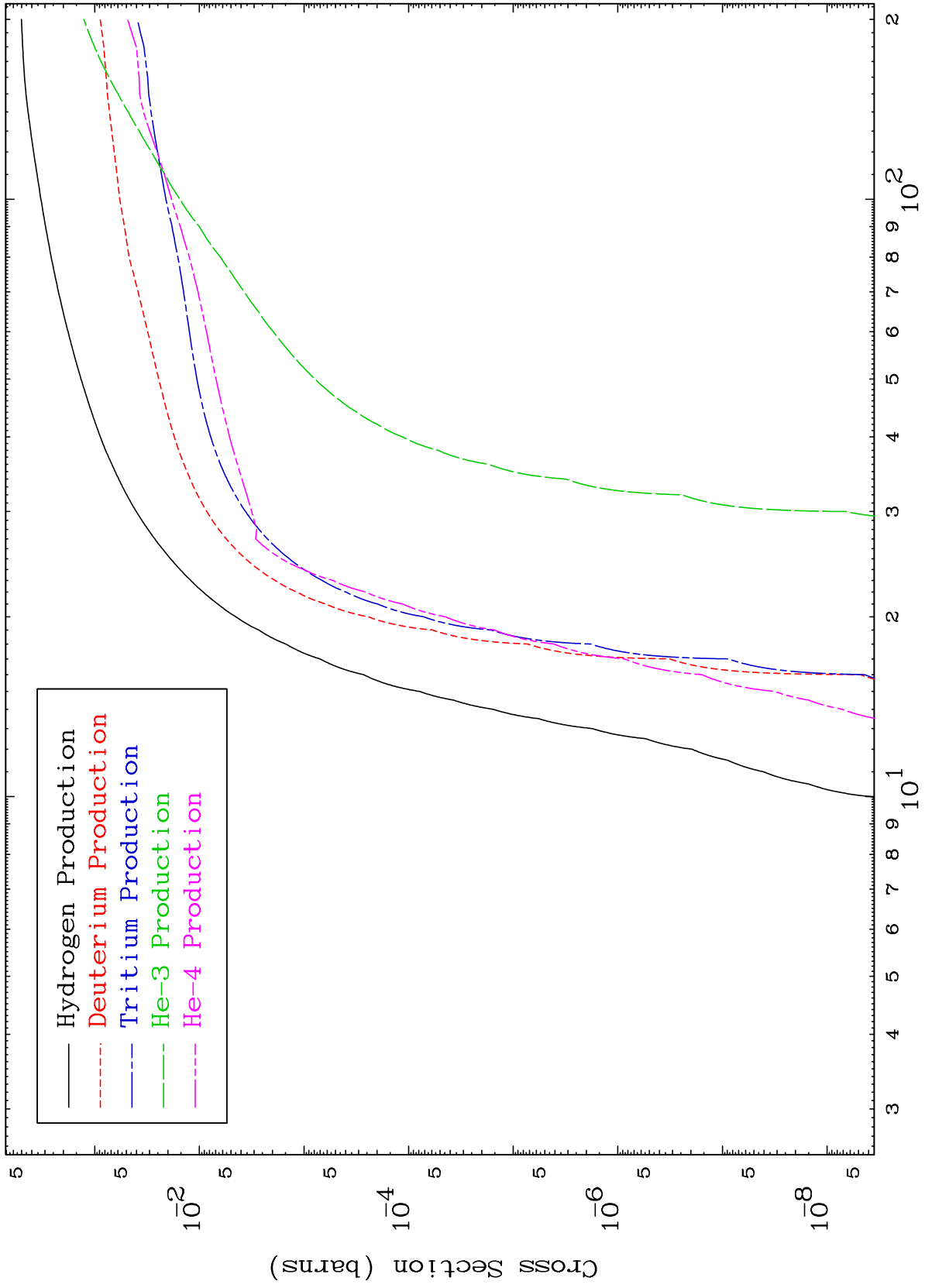
Incident Energy (MeV)

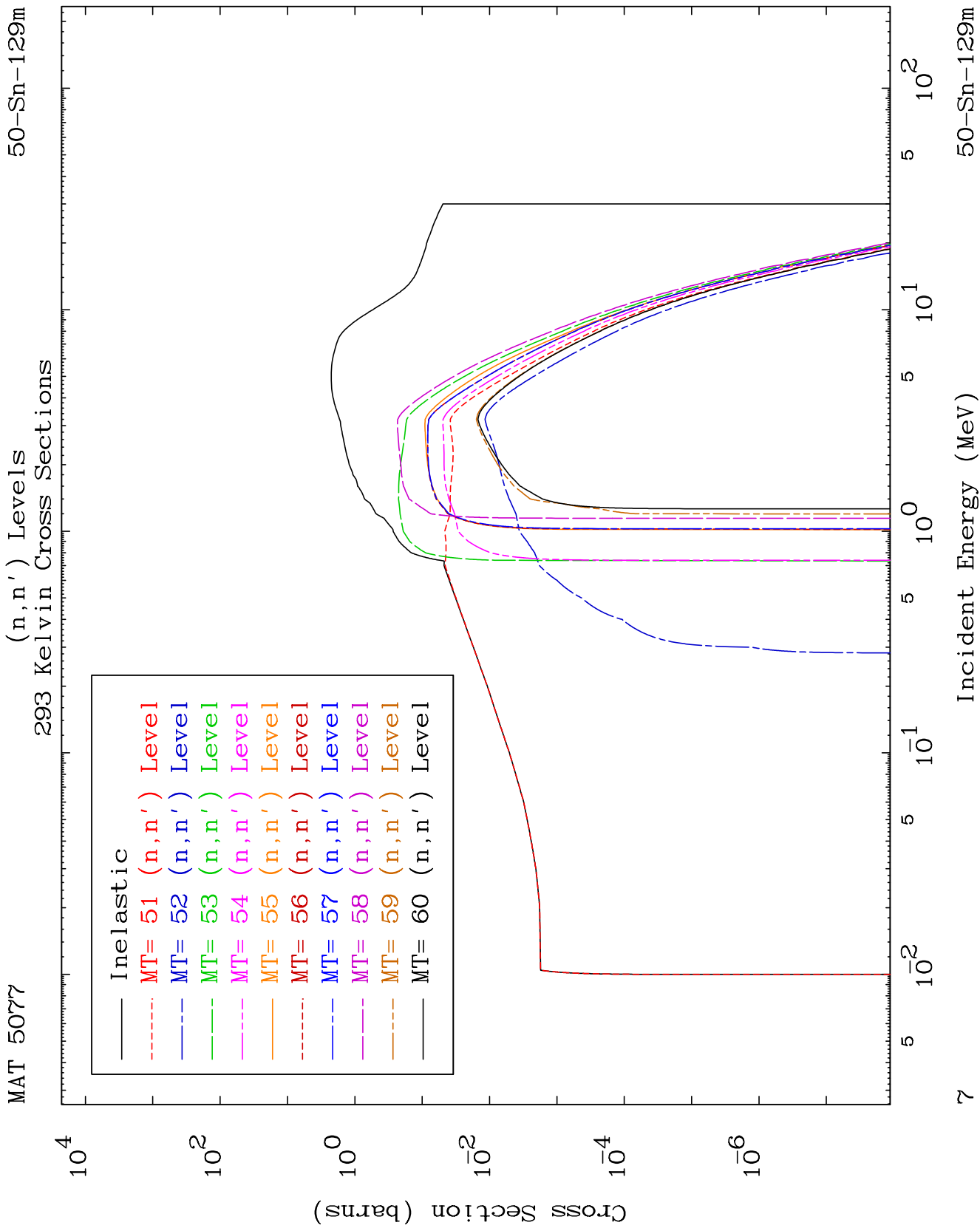
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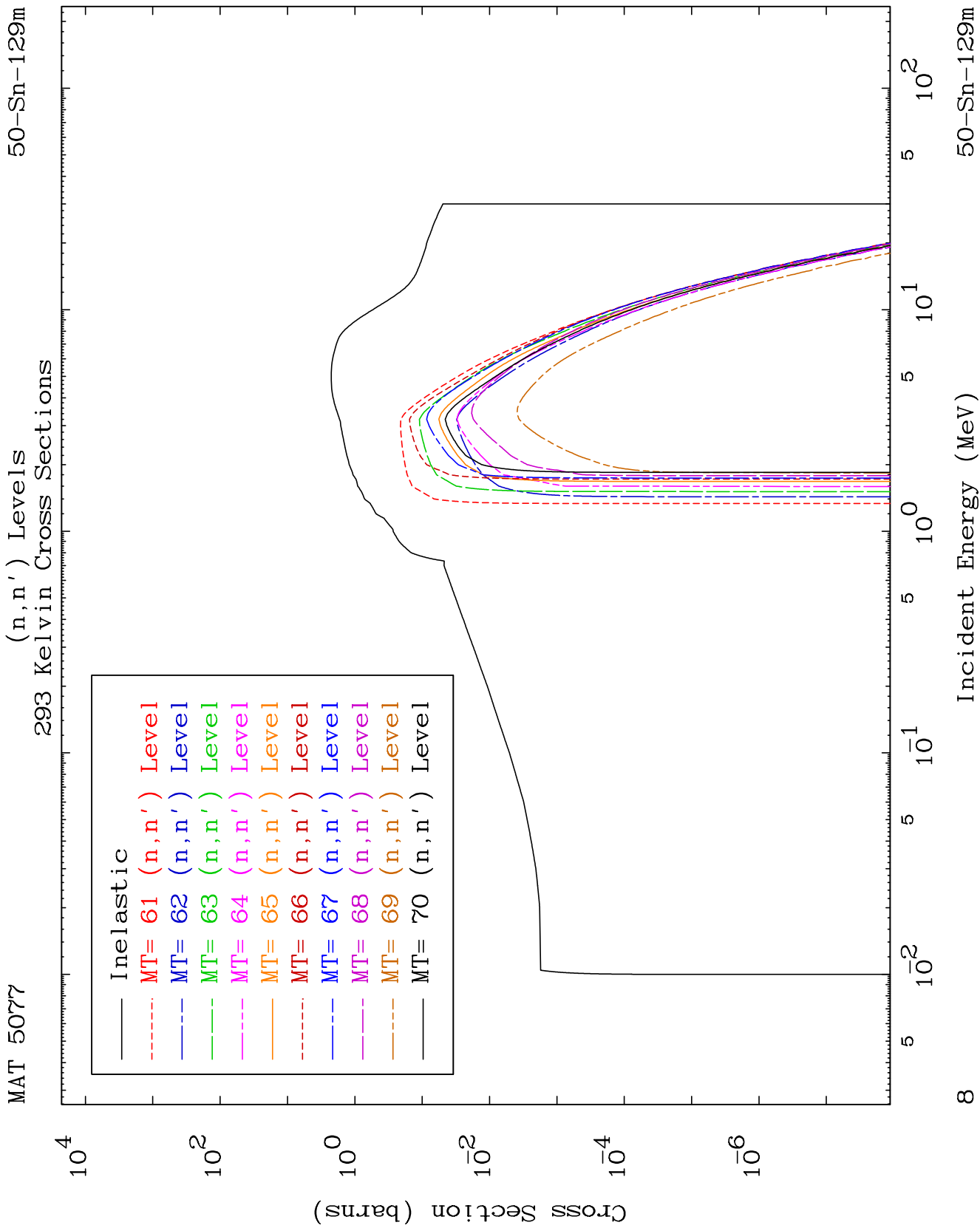
MAT 5077

Particle Production
293 Kelvin Cross Sections

50-Sn-129m



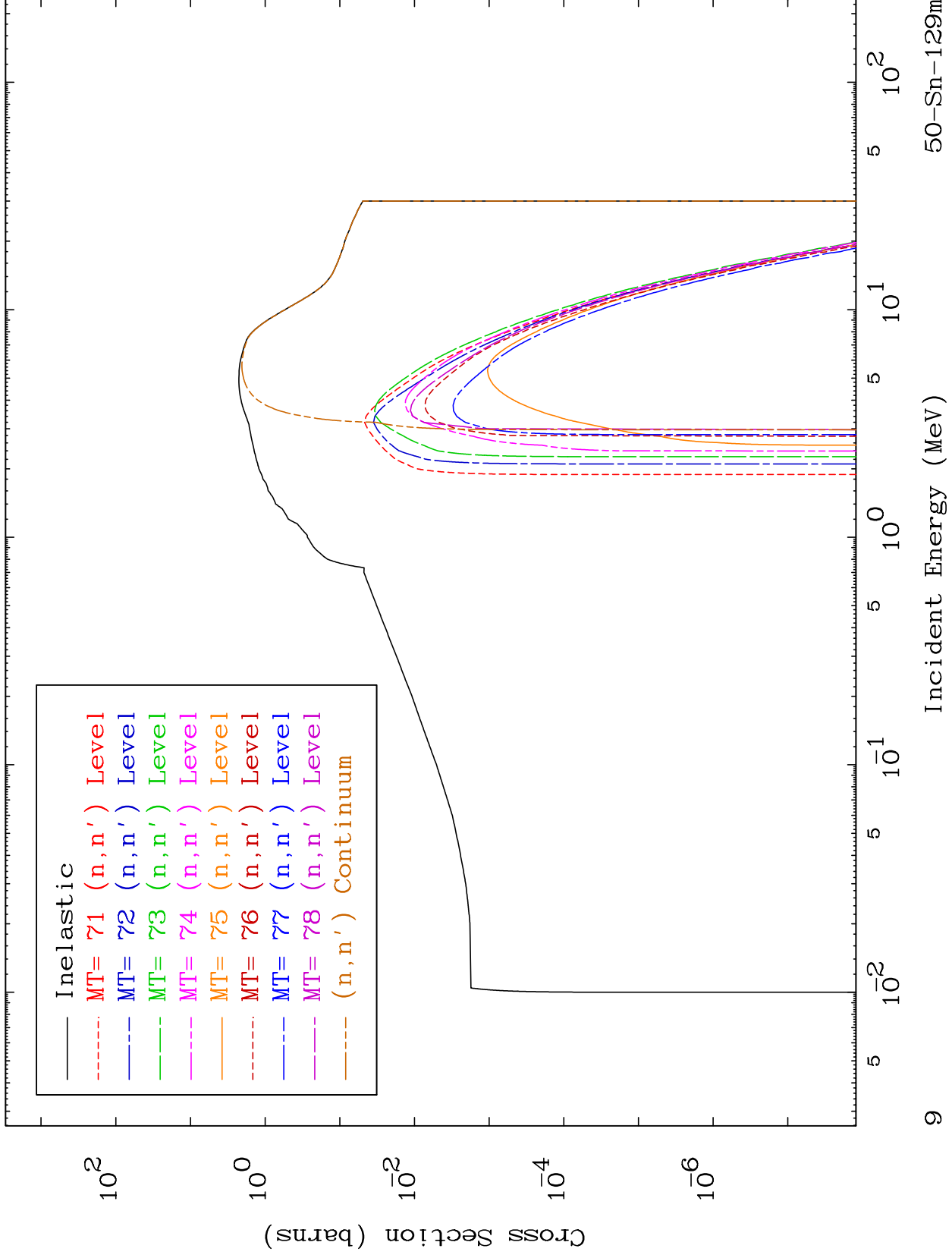




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(n,n') Levels
293 Kelvin Cross Sections

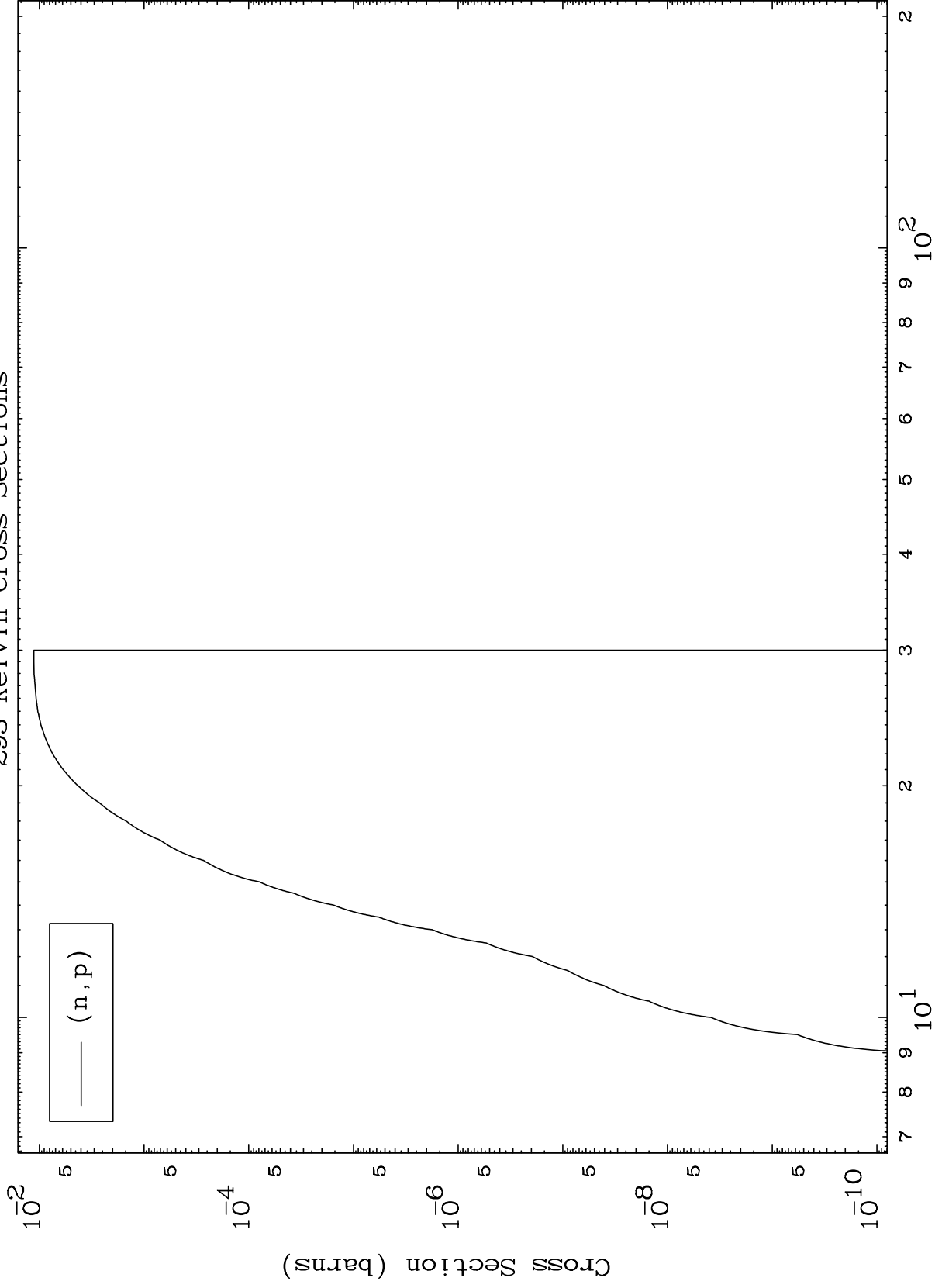
50-Sn-129m



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(n,p) Levels
293 Kelvin Cross Sections

50-Sn-129m



50-Sn-129m

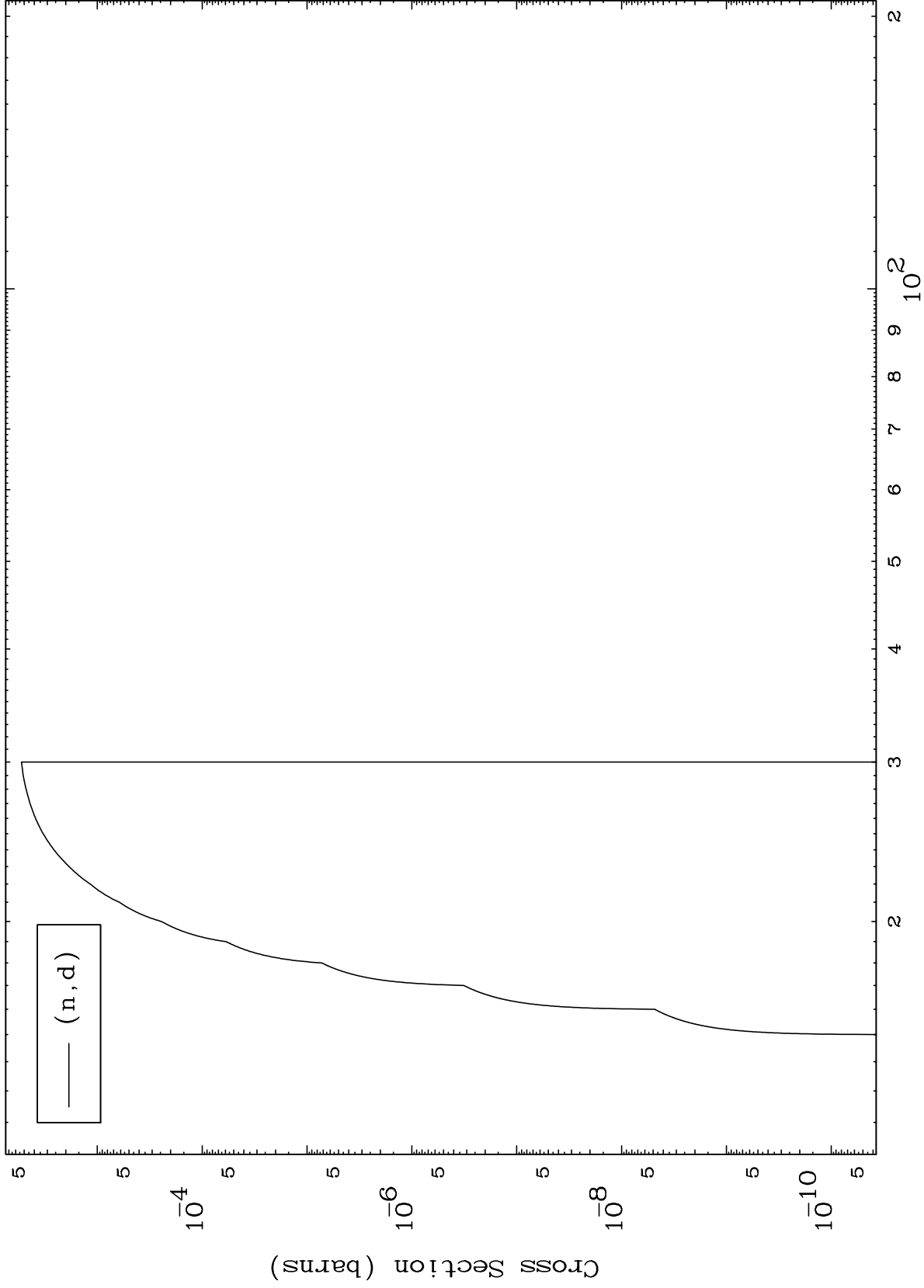
Incident Energy (MeV)

10

MAT 5077

(n,d) Levels
293 Kelvin Cross Sections

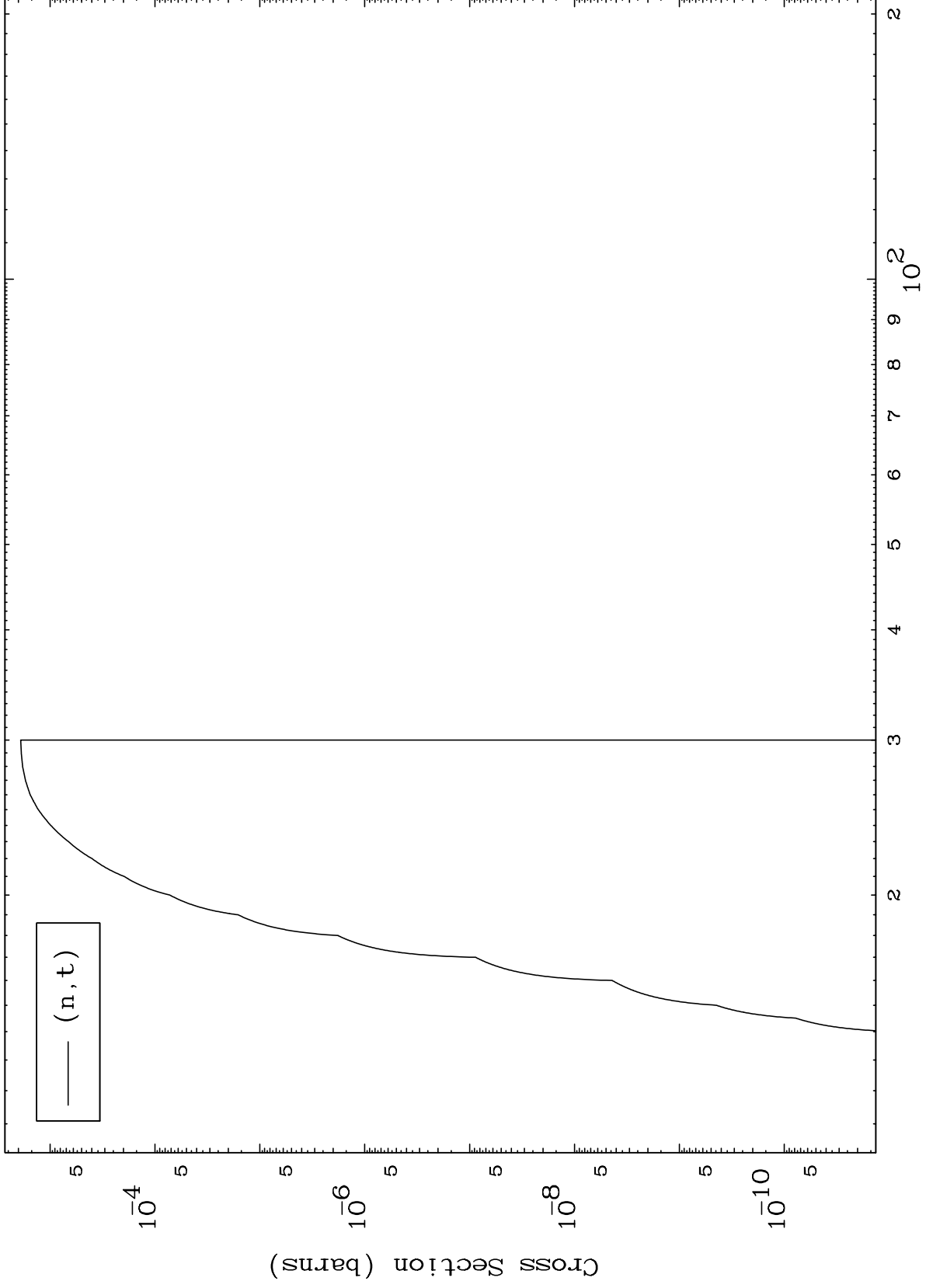
50-Sn-129m



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(n,t) Levels
293 Kelvin Cross Sections

50-Sn-129m



12

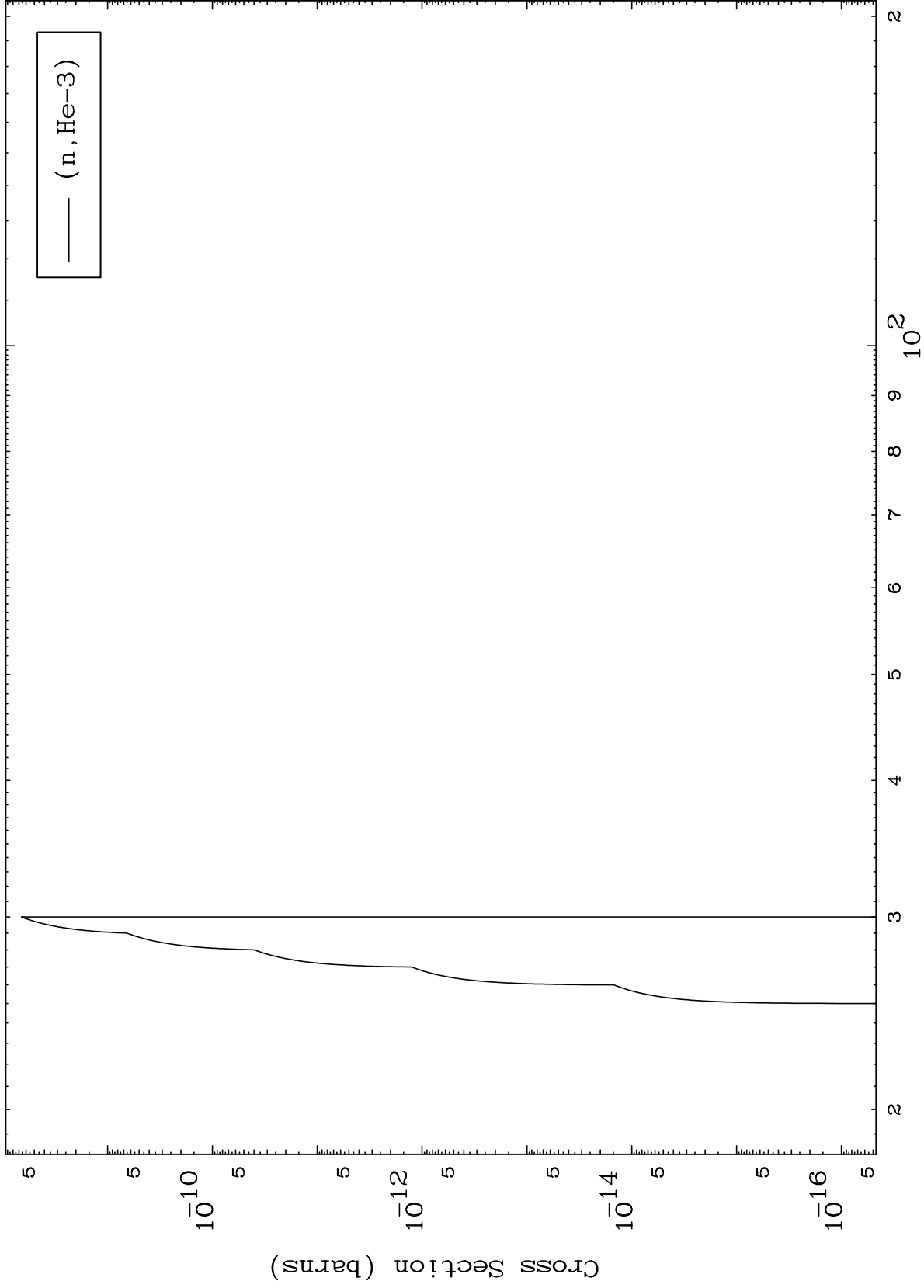
Incident Energy (MeV)

50-Sn-129m

MAT 5077

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-129m



13

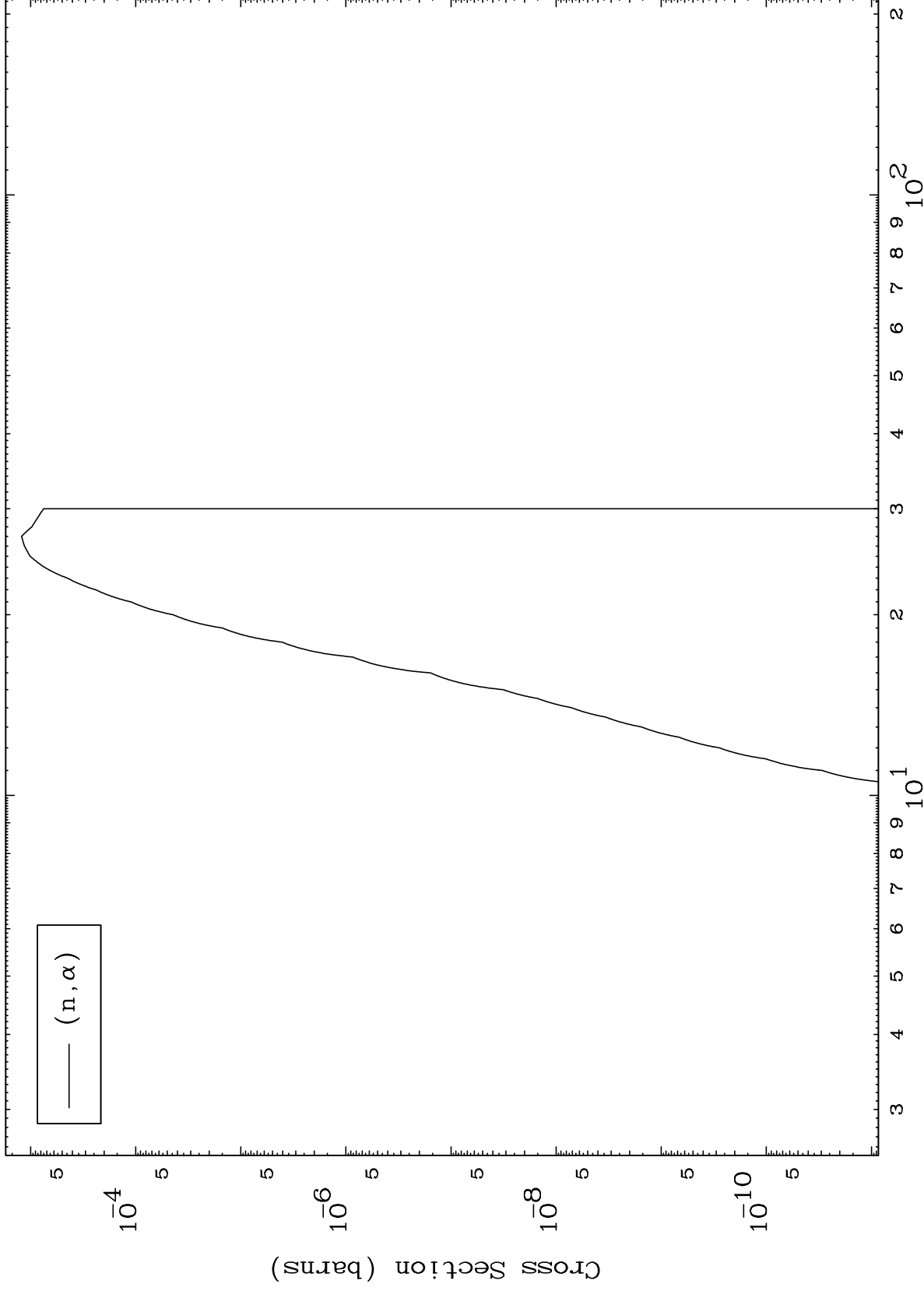
Incident Energy (MeV)

50-Sn-129m

MAT 5077

(n,α) Levels
293 Kelvin Cross Sections

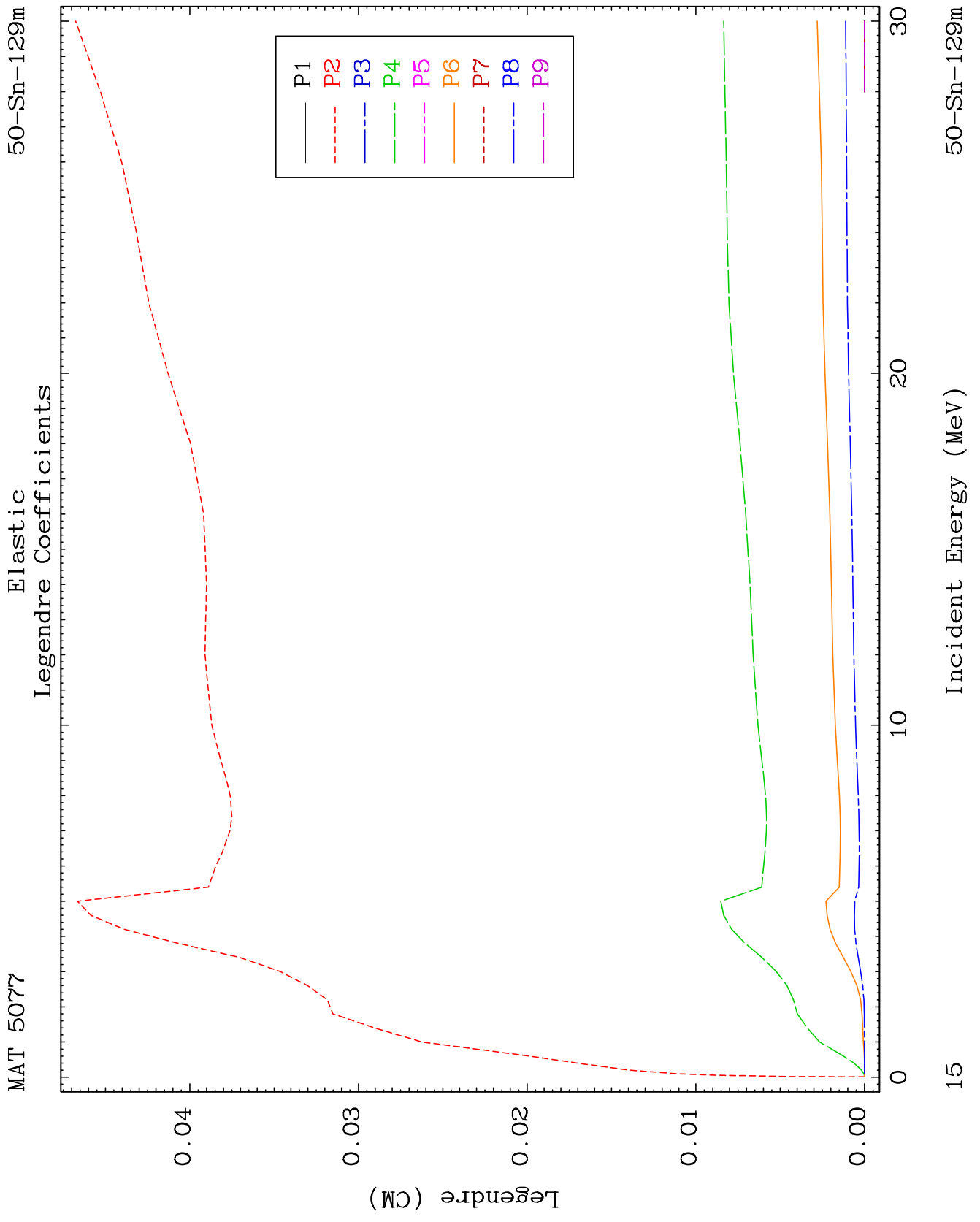
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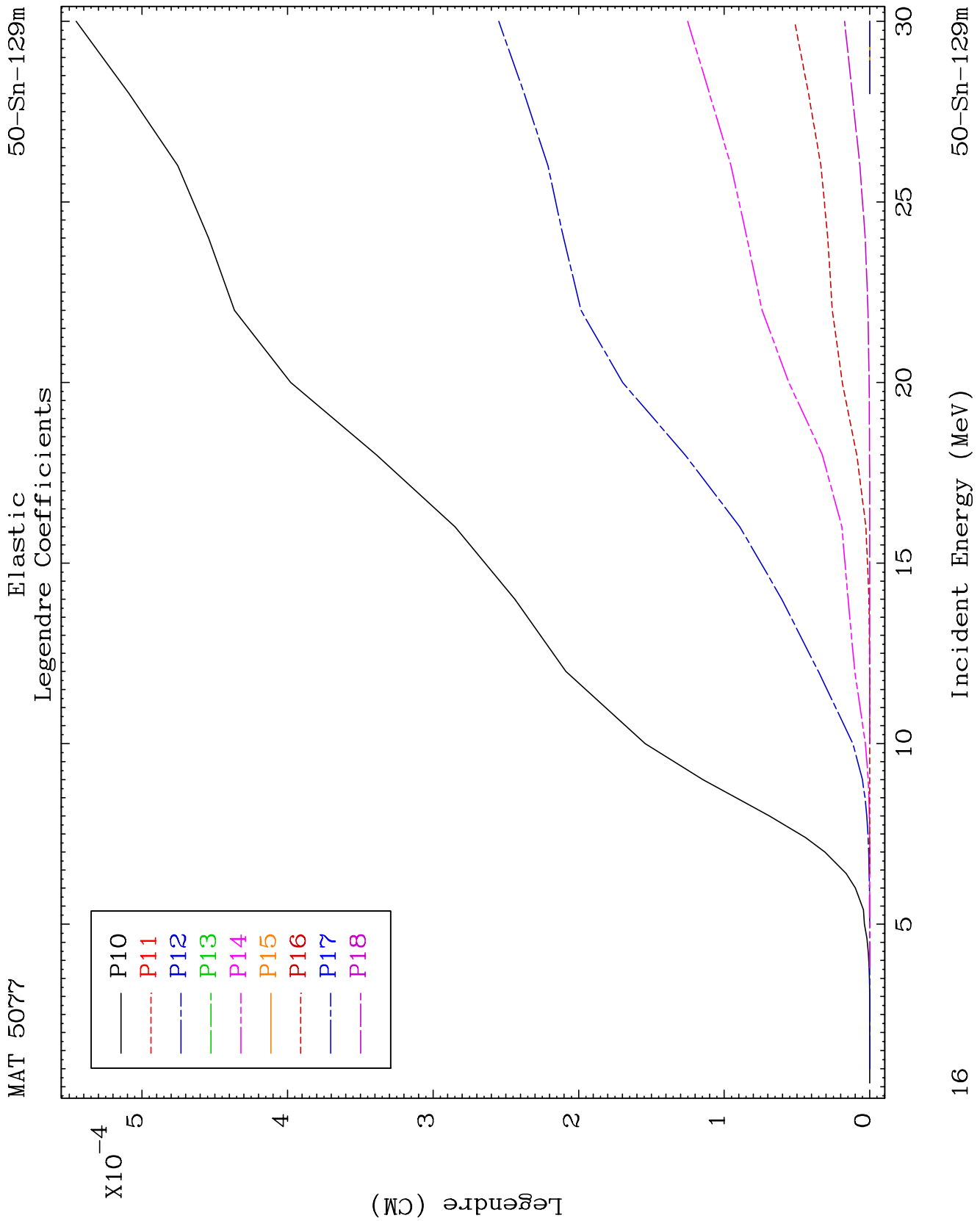


14

Incident Energy (MeV)

50-Sn-129m

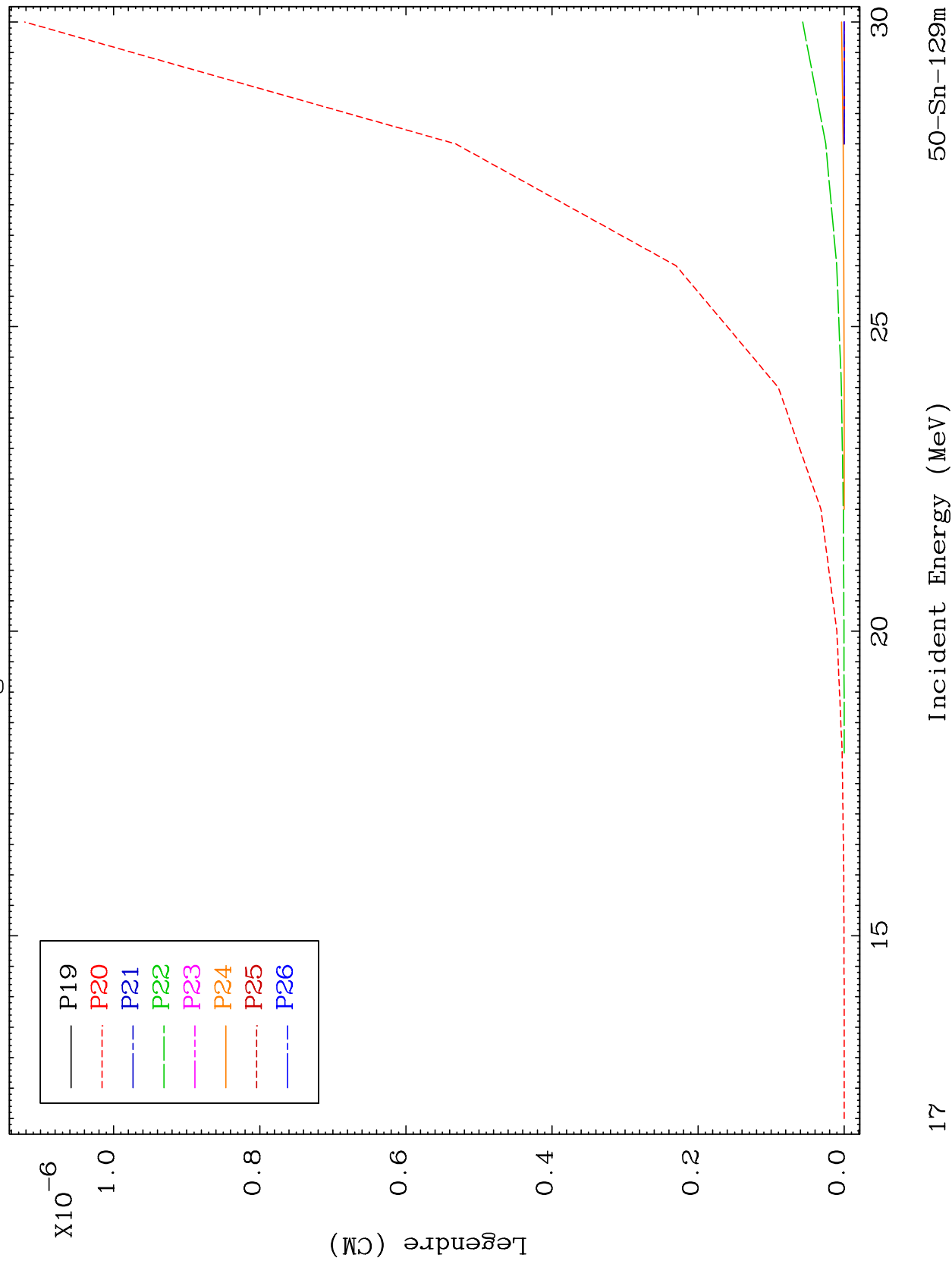




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Elastic
Legendre Coefficients

50-Sn-129m



17

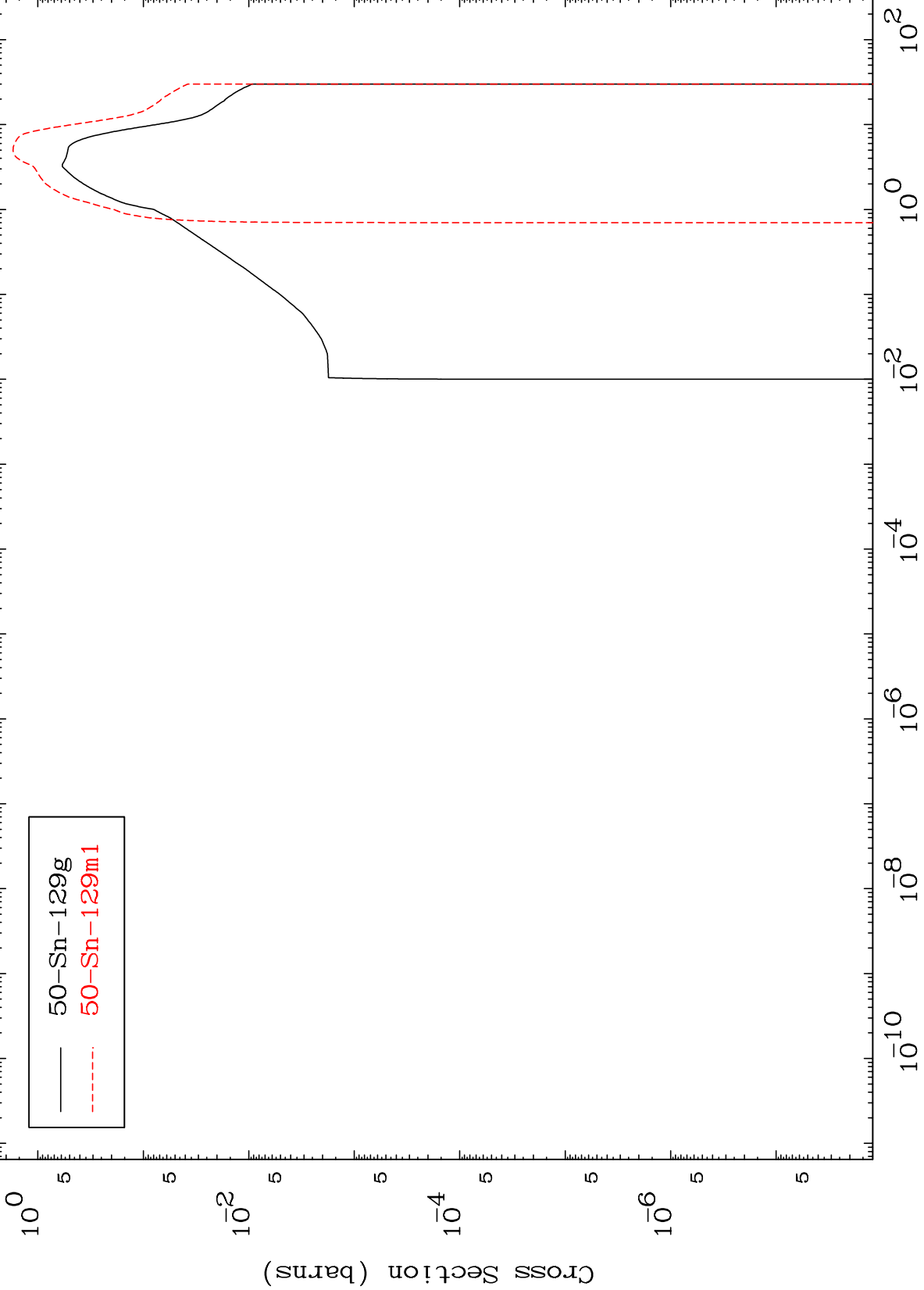
50-Sn-129m

Incident Energy (MeV)

MAT 5077

Inelastic
Radionuclide Production Cross Section

50-Sn-129m



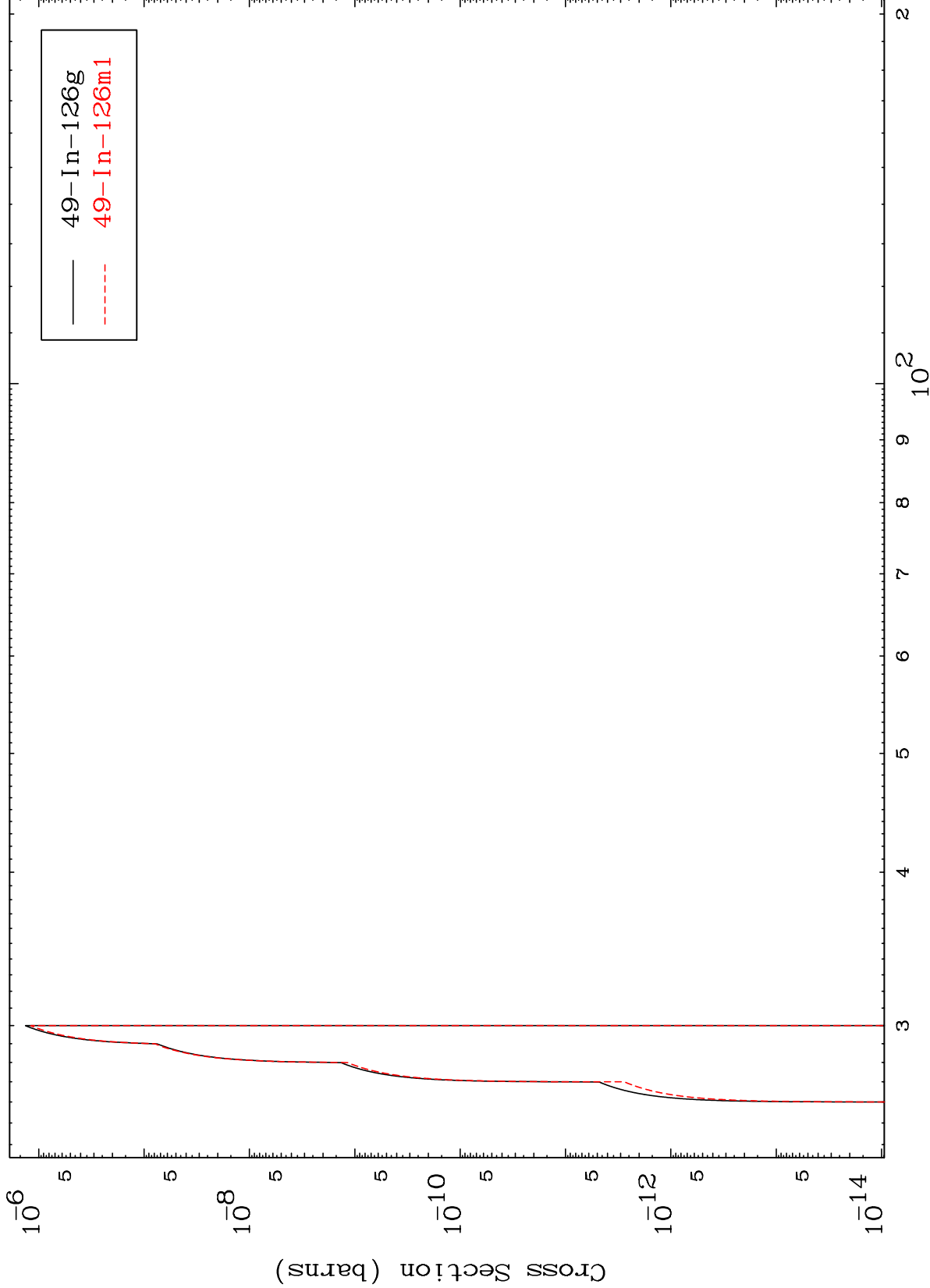
50-Sn-129g
50-Sn-129m1

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(n,2n) d

50-Sn-129m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

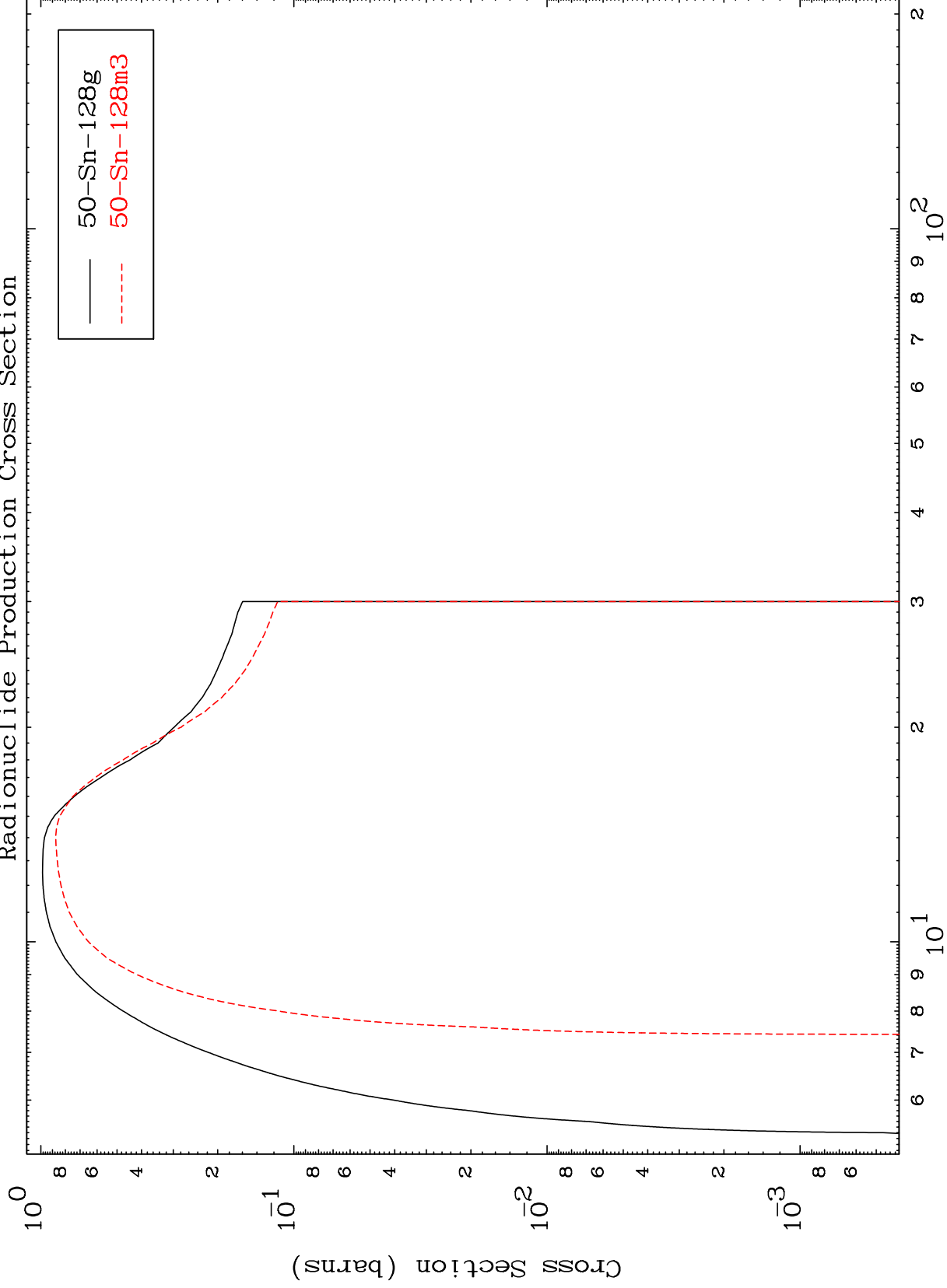
50-Sn-129m

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(n,2n)

50-Sn-129m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

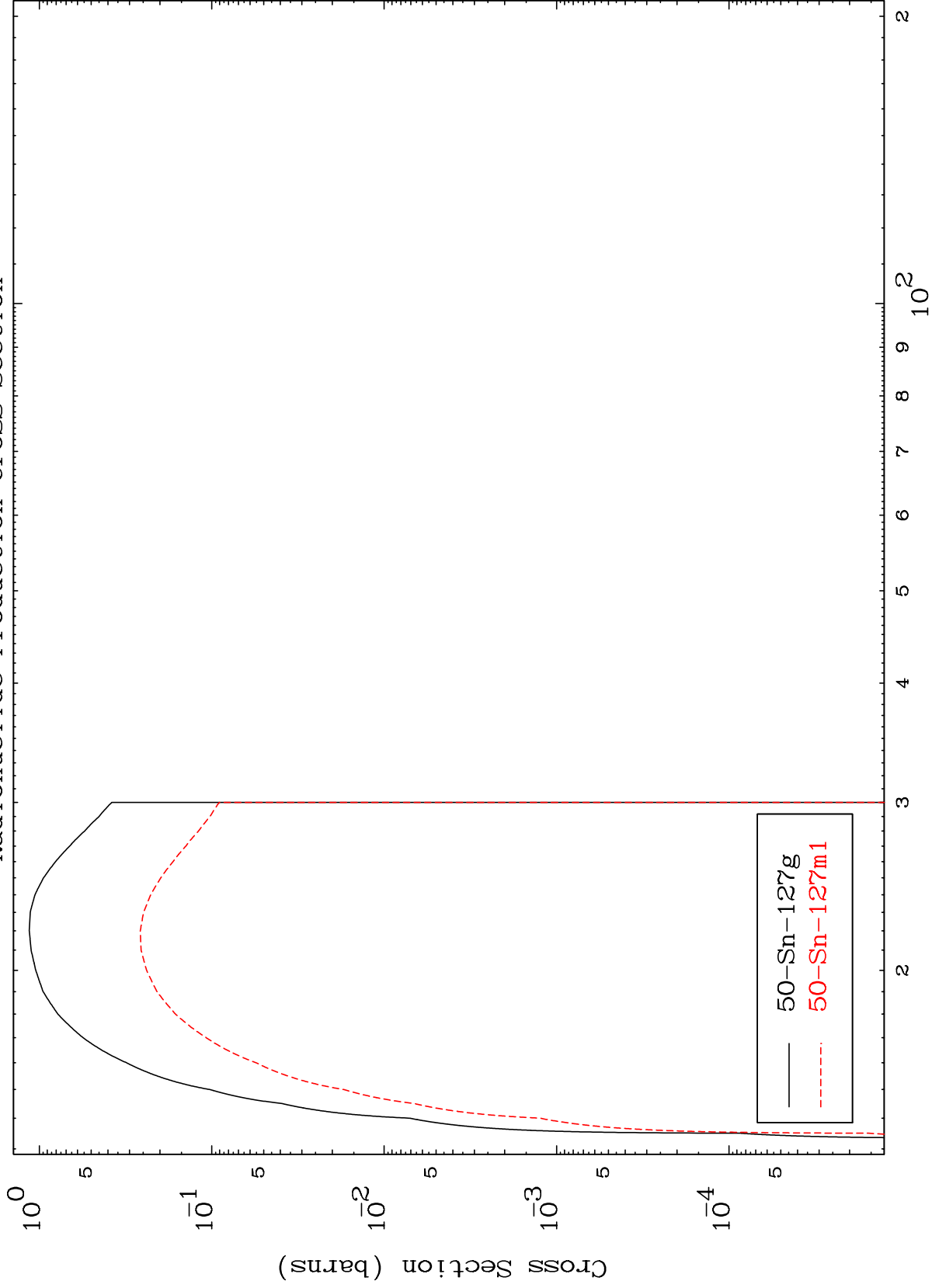
50-Sn-129m

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(n,3n)

50-Sn-129m

Radionuclide Production Cross Section

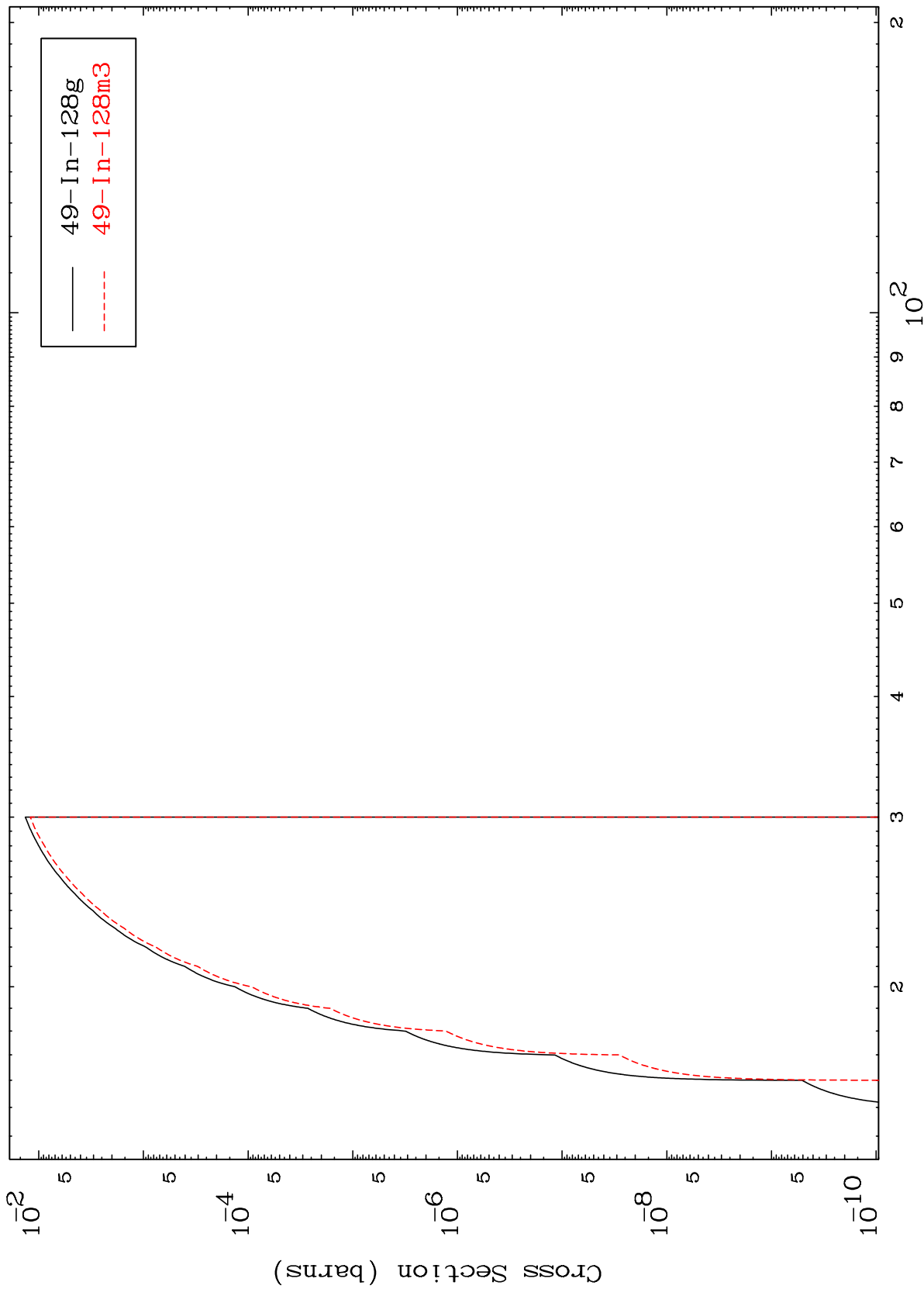


21

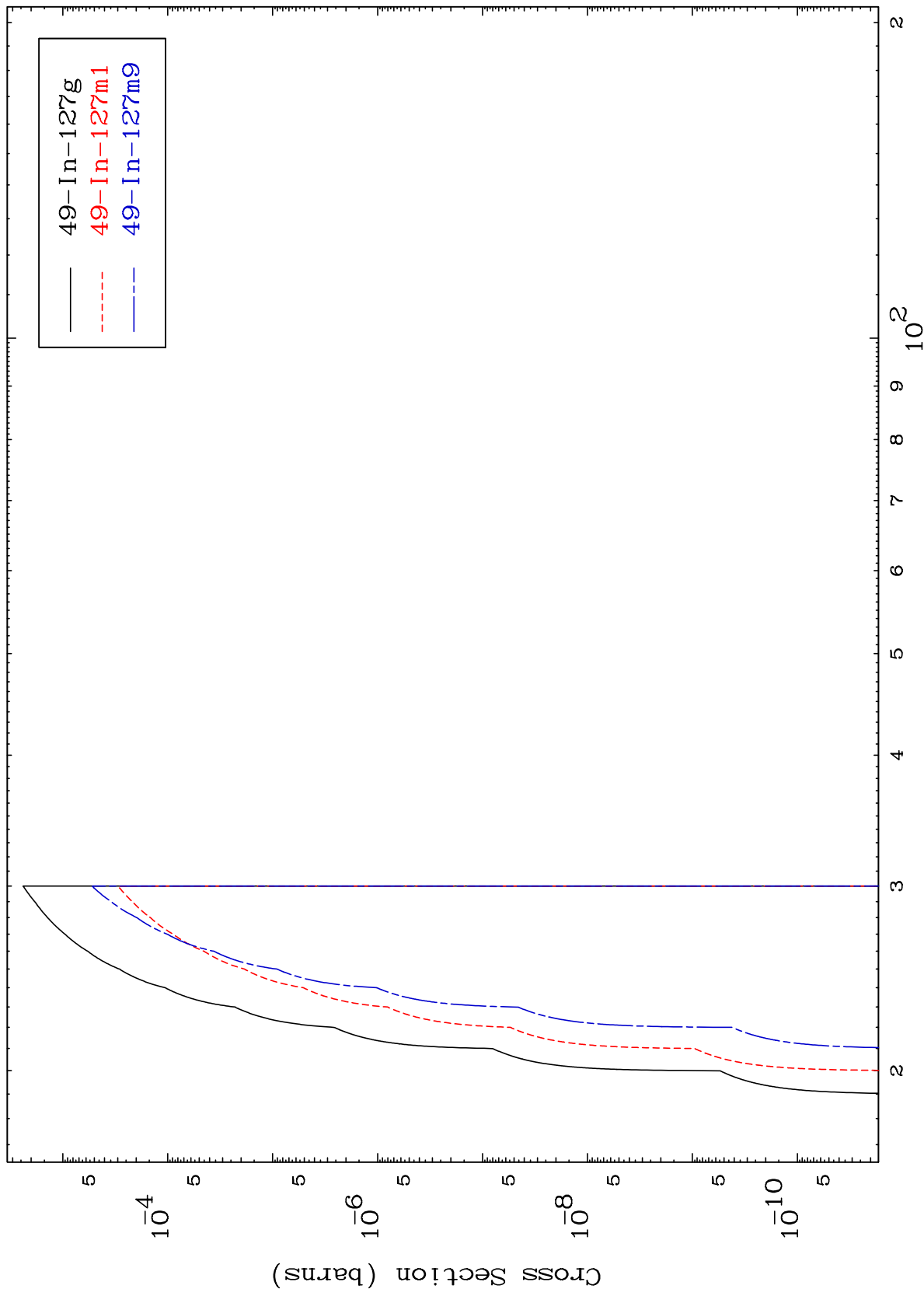
Incident Energy (MeV)

50-Sn-129m

Radionuclide Production Cross Section



Radionuclide Production Cross Section

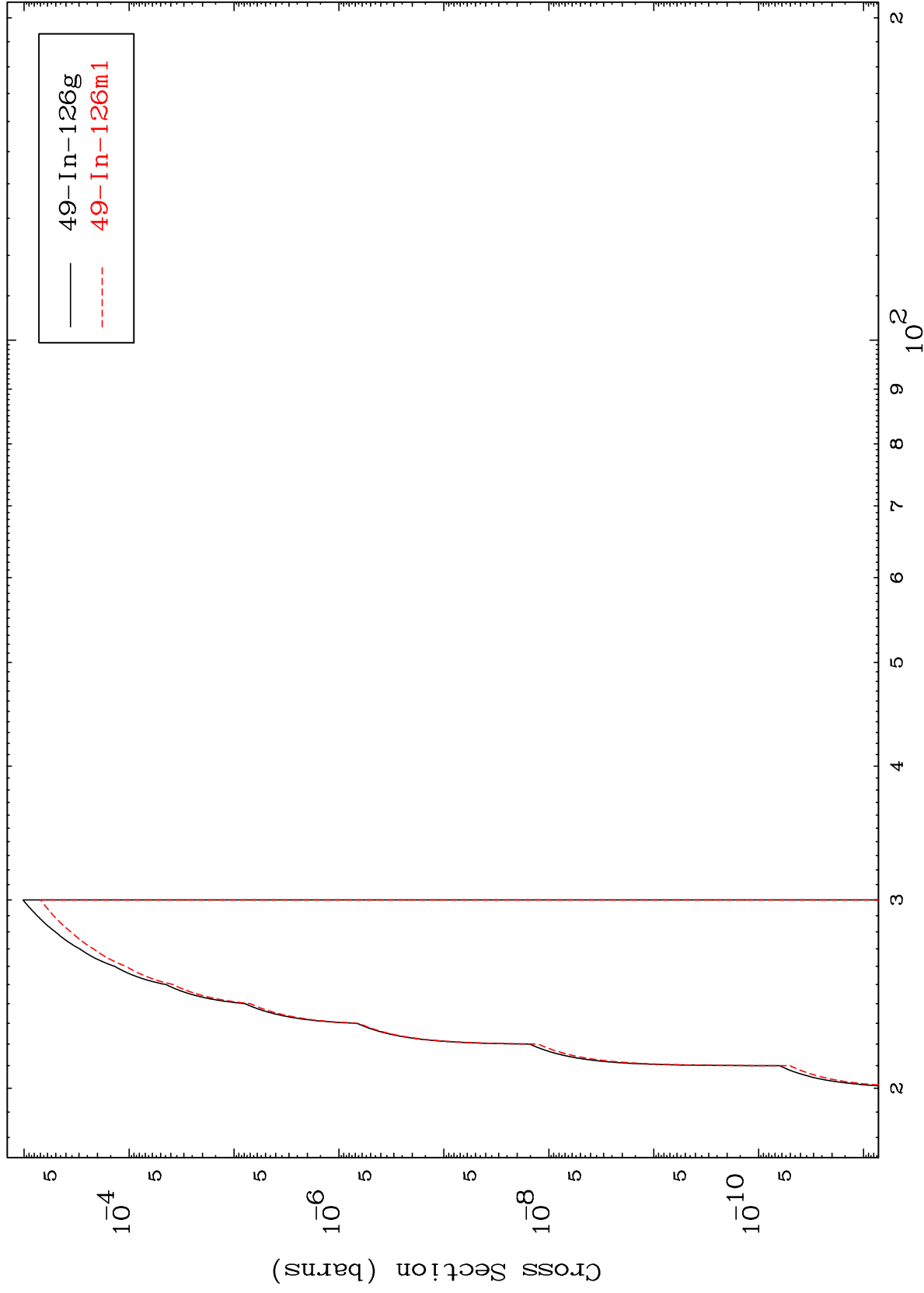


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(n,n') t

50-Sn-129m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

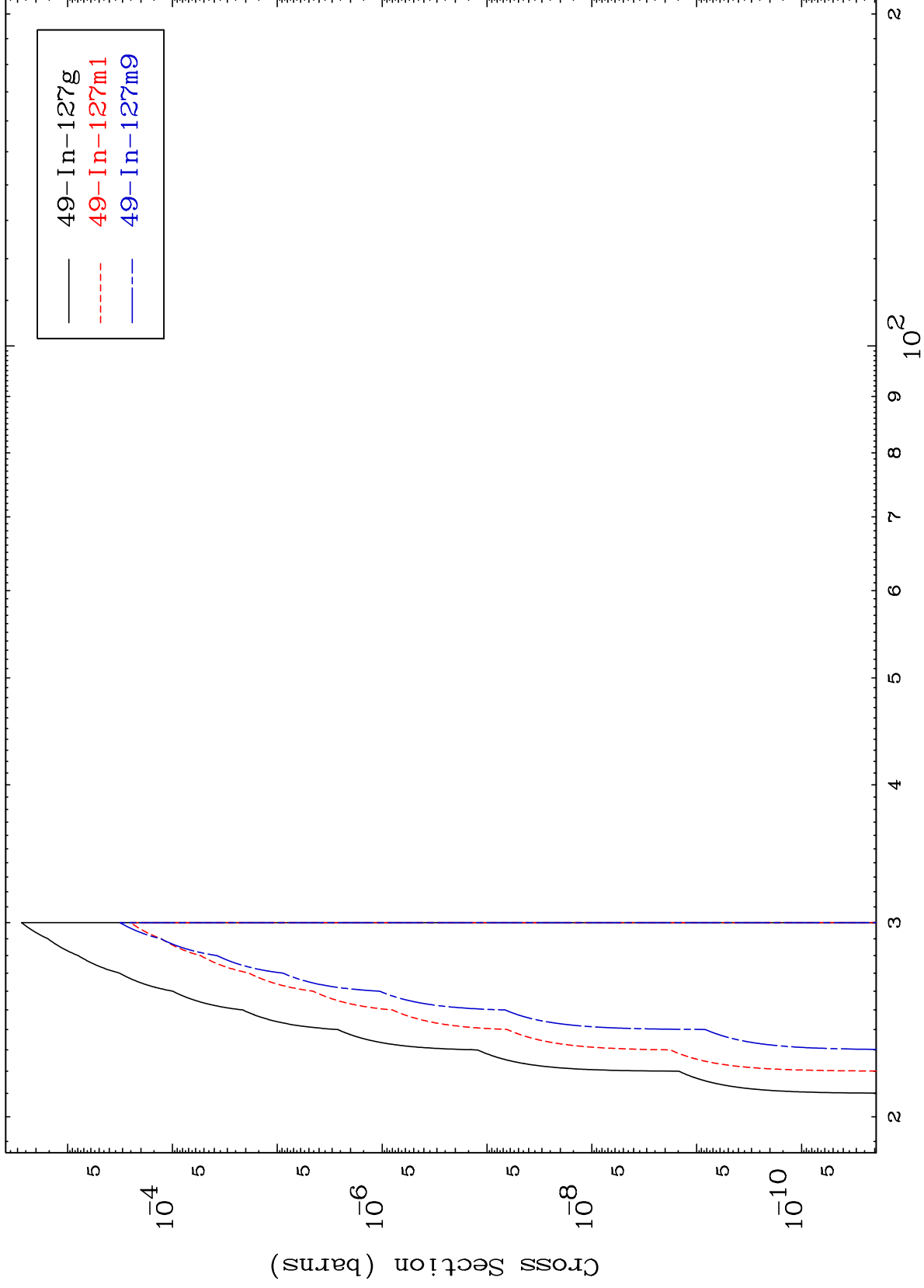
50-Sn-129m

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(n,2n) p

50-Sn-129m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

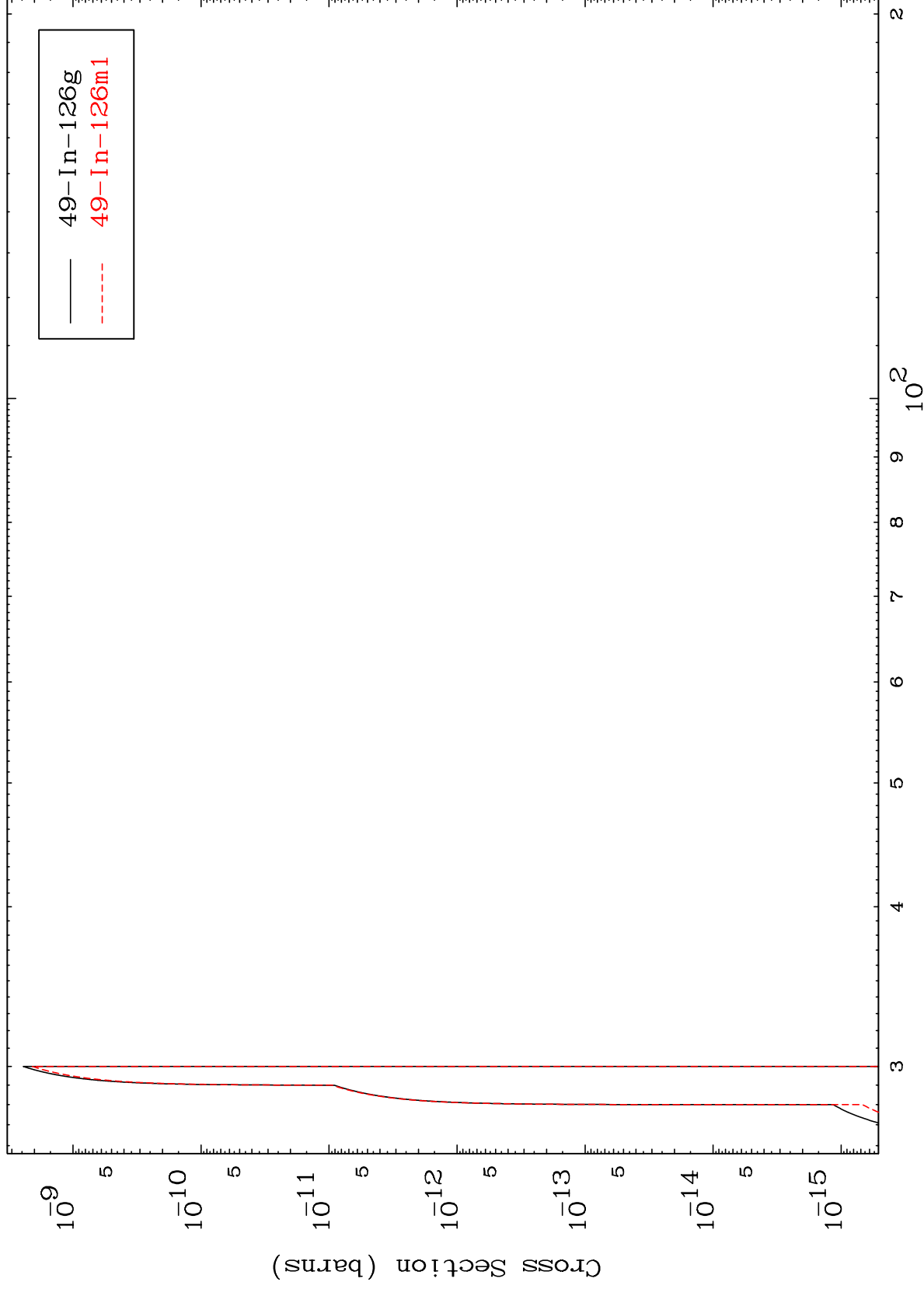
50-Sn-129m

MAT 5077

(n,3n) p

50-Sn-129m

Radionuclide Production Cross Section



26

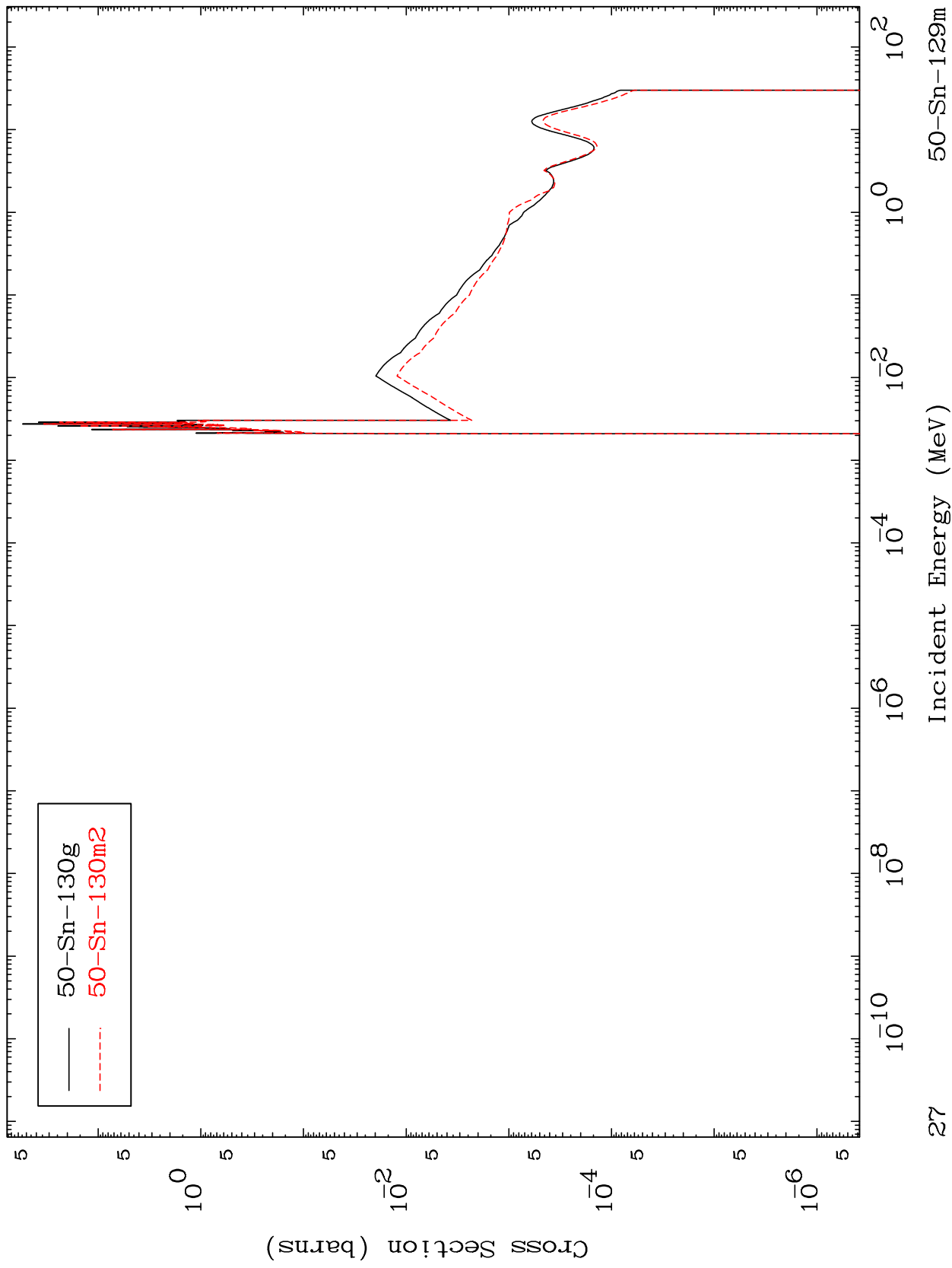
Incident Energy (MeV)

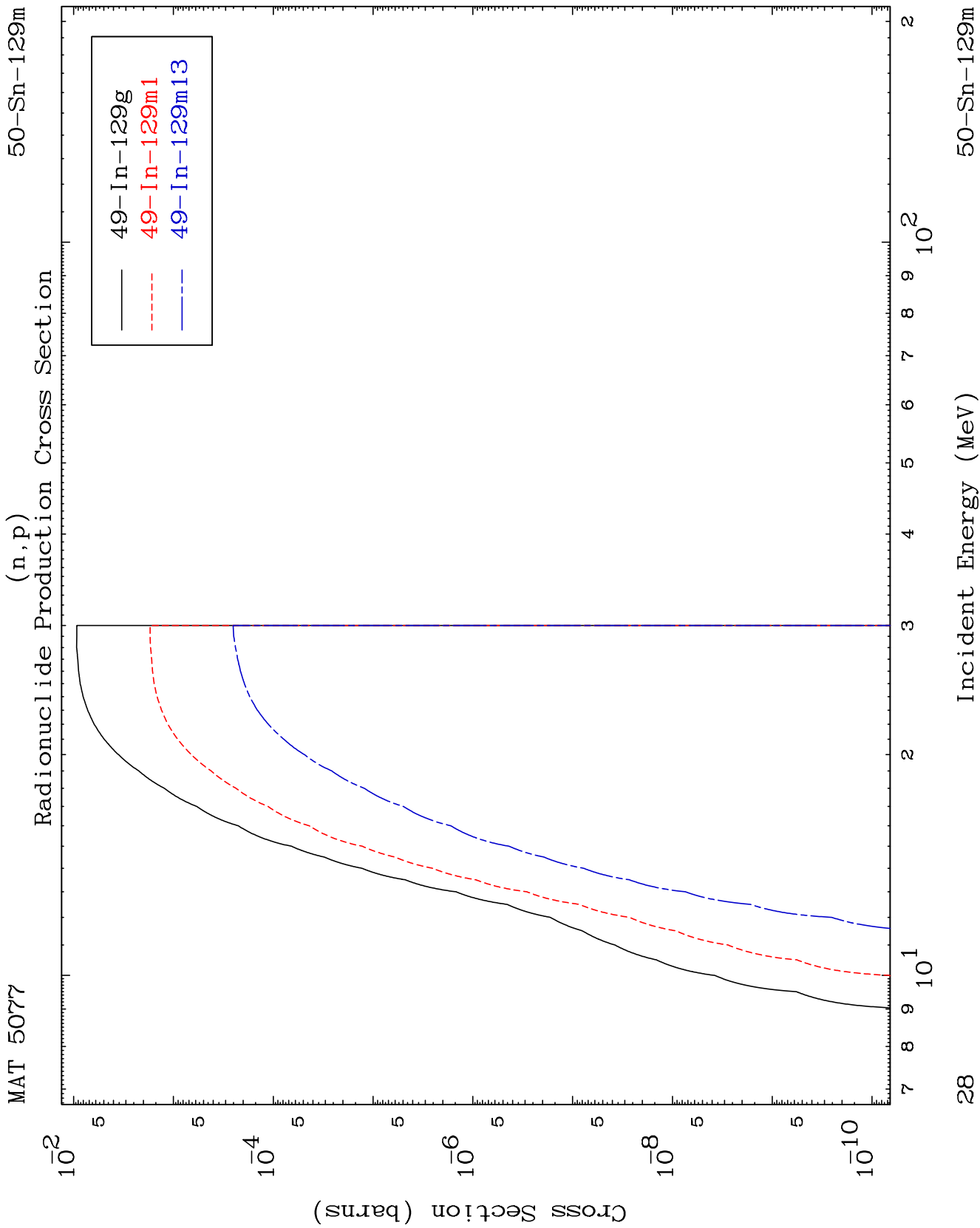
50-Sn-129m

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50-Sn-129m

Radionuclide Production Cross Section
(n, γ)



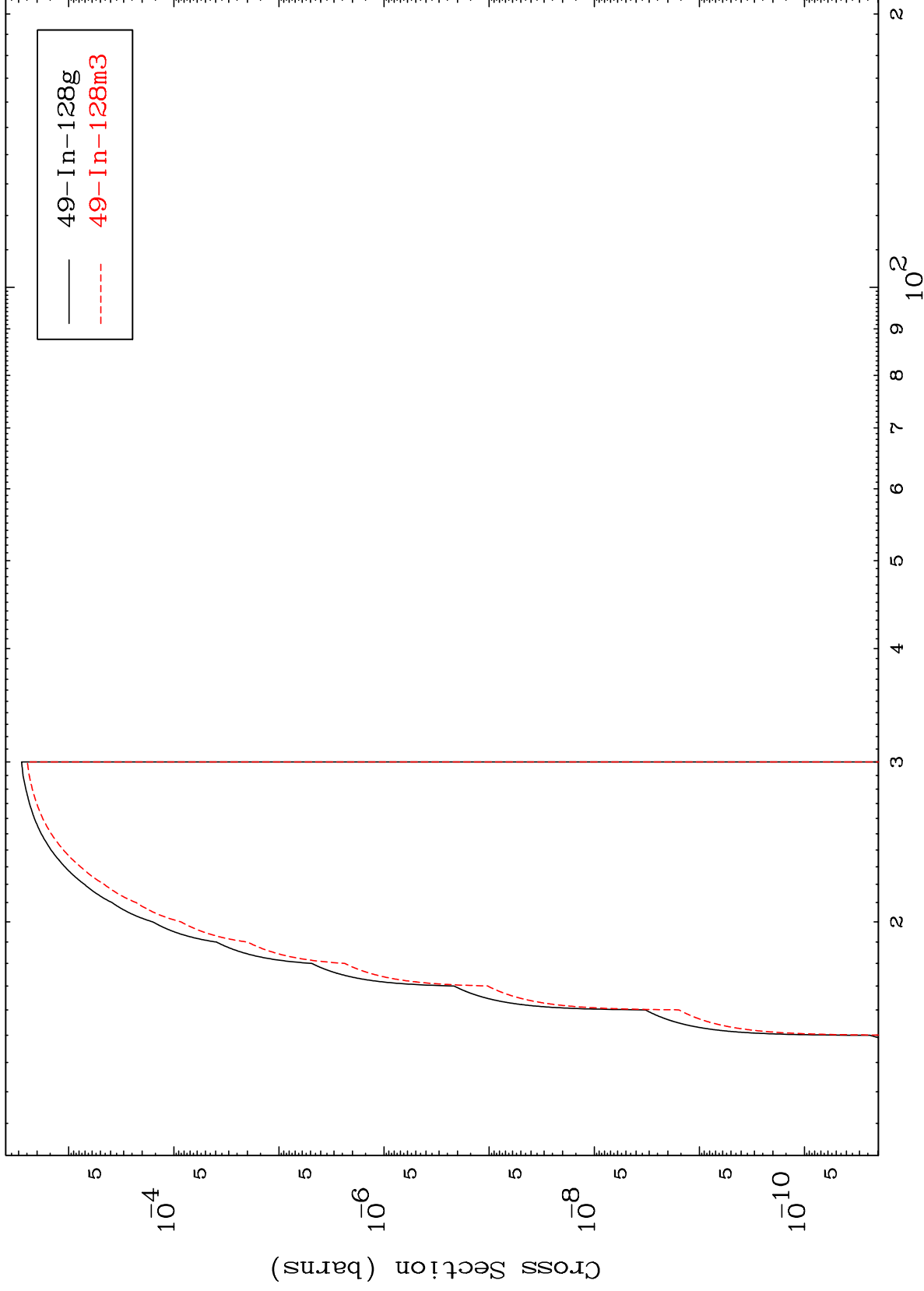


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(n,d)

50-Sn-129m

Radionuclide Production Cross Section



29

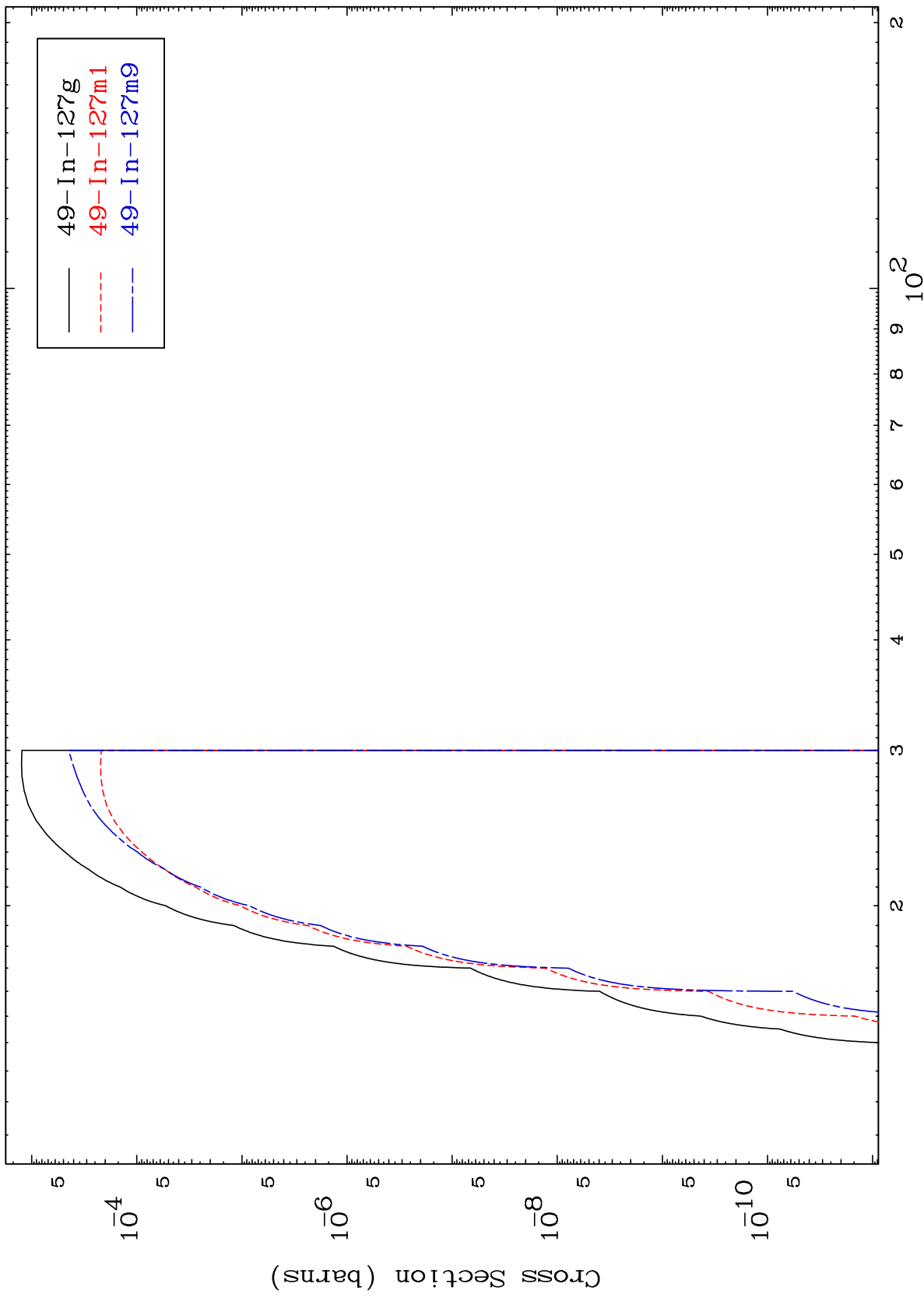
Incident Energy (MeV)

50-Sn-129m

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50-Sn-129m

(n,t)
Radionuclide Production Cross Section



30

Incident Energy (MeV)

50-Sn-129m