

Program EVALPLOT  
(Version 2018-1)

by

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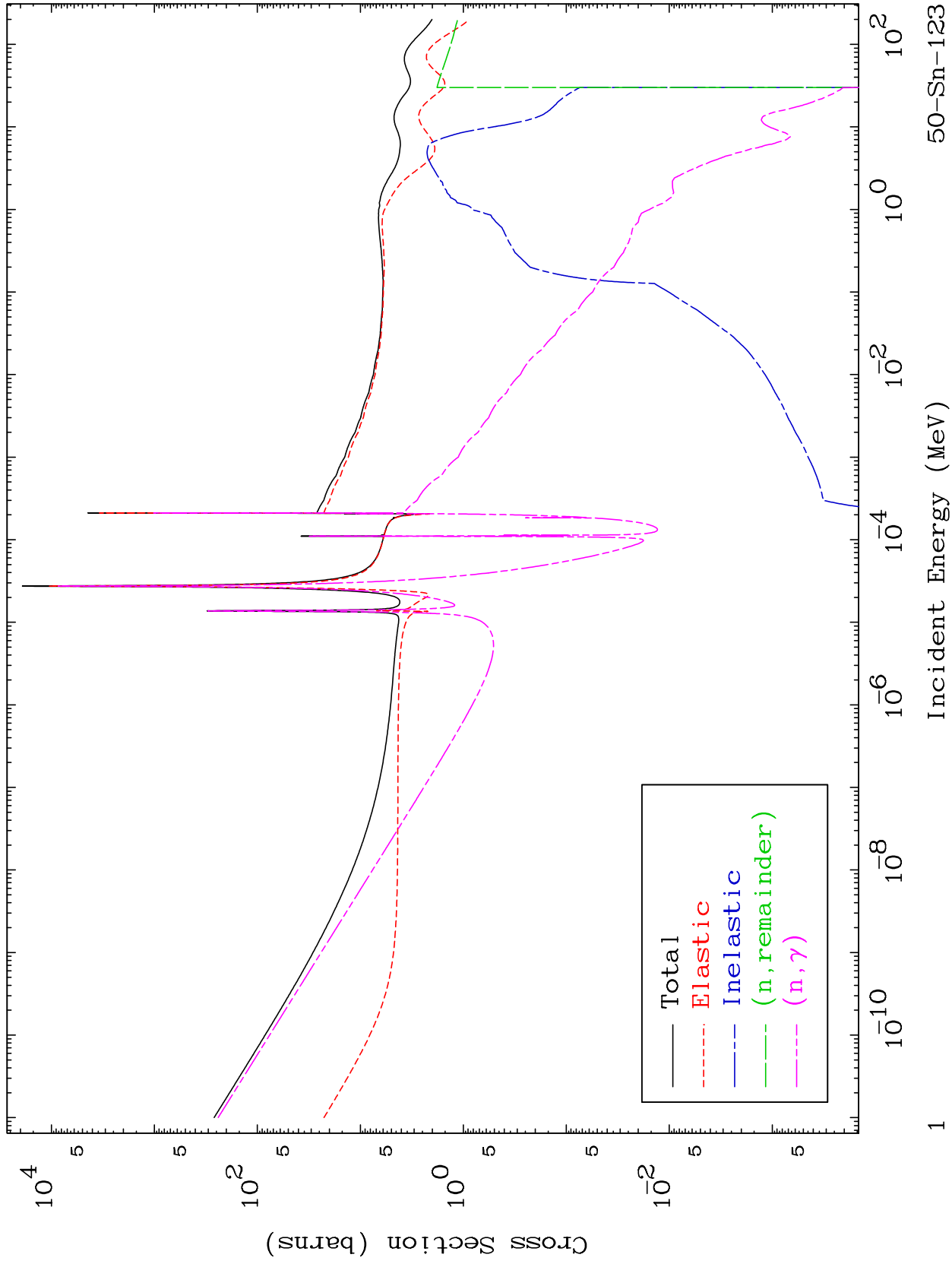
Press Mouse Button to Start

MAT 5059

Major

293 Kelvin Cross Sections

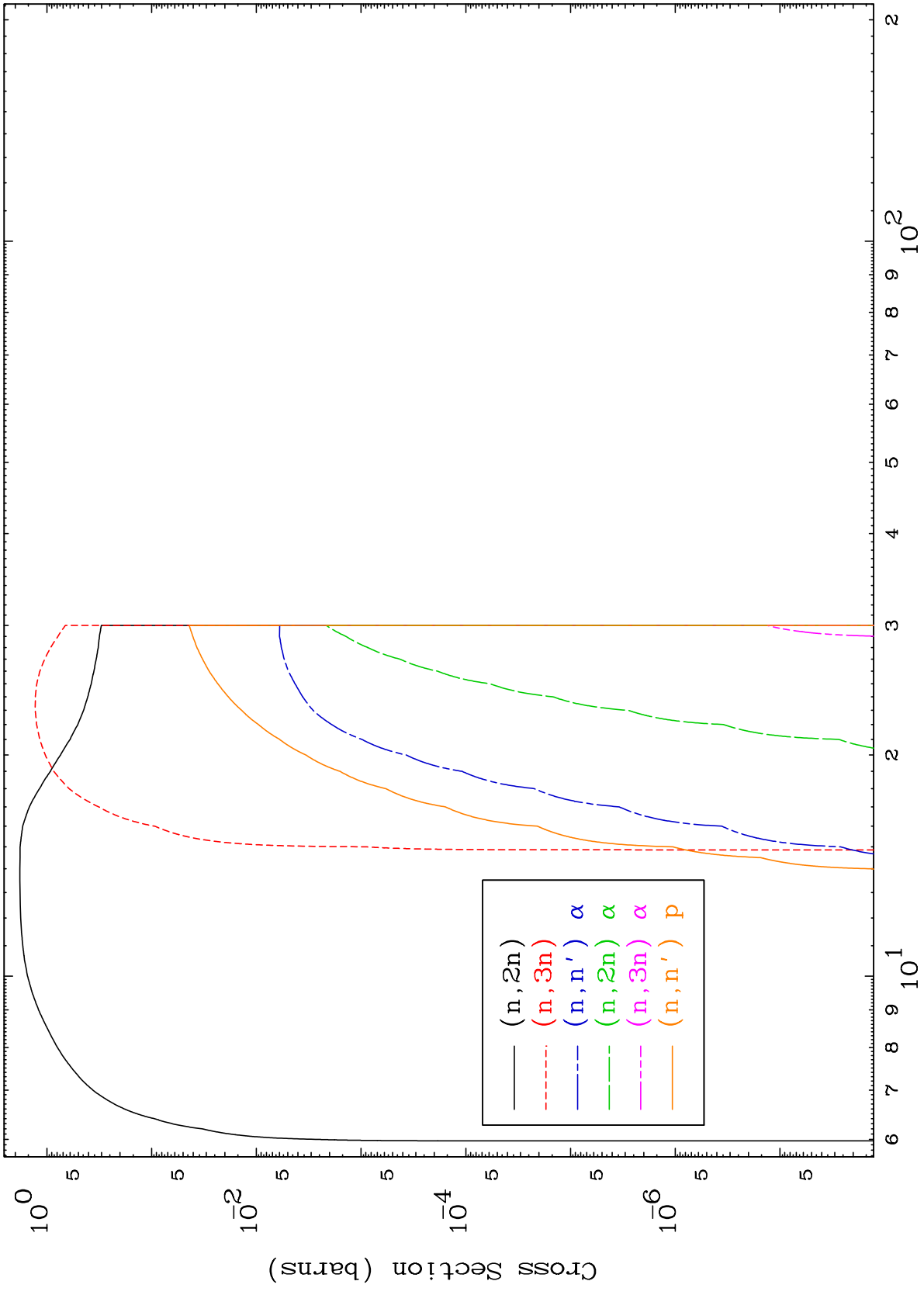
50-Sn-123



MAT 5059

Neutron Production  
293 Kelvin Cross Sections

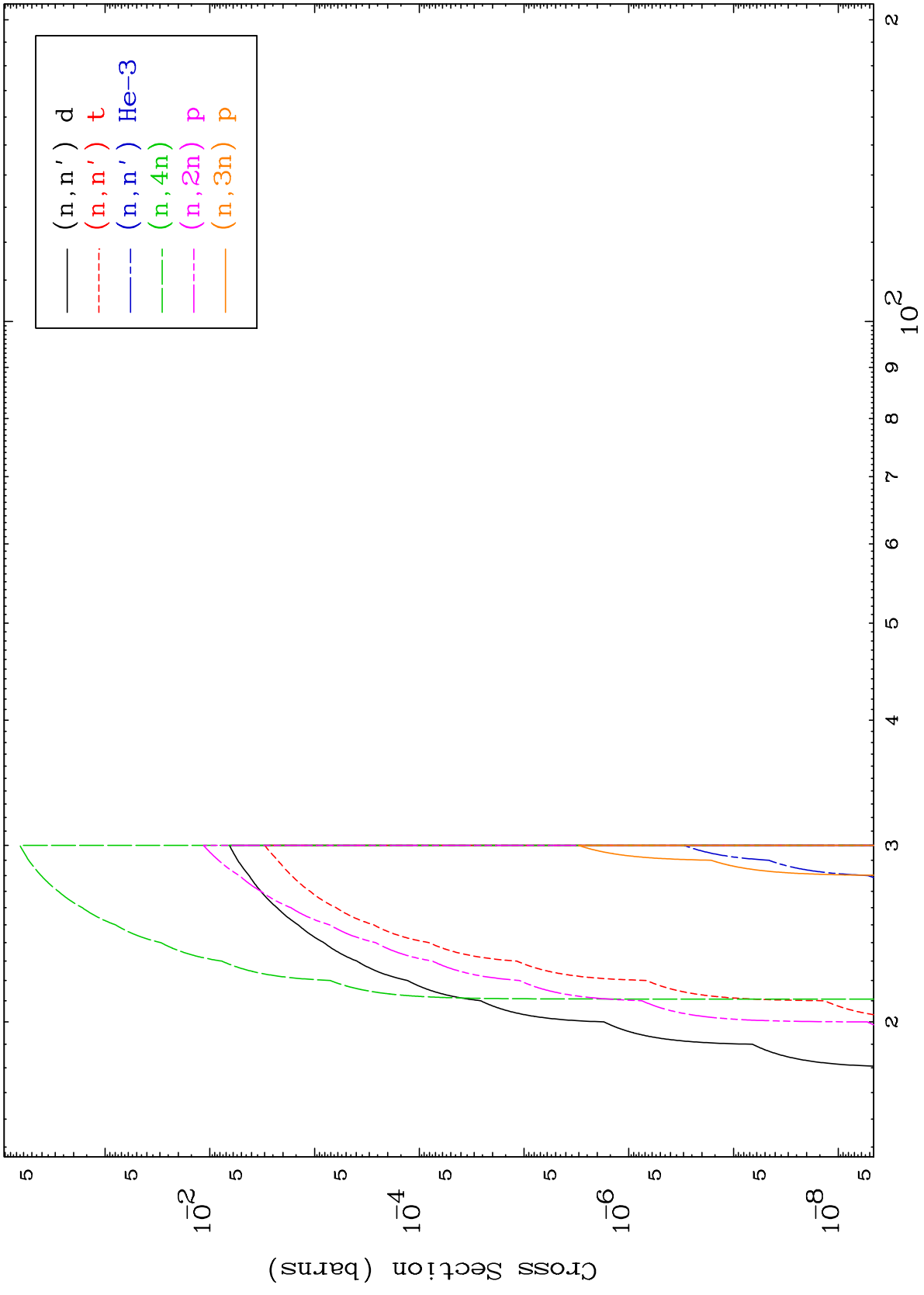
50-Sn-123

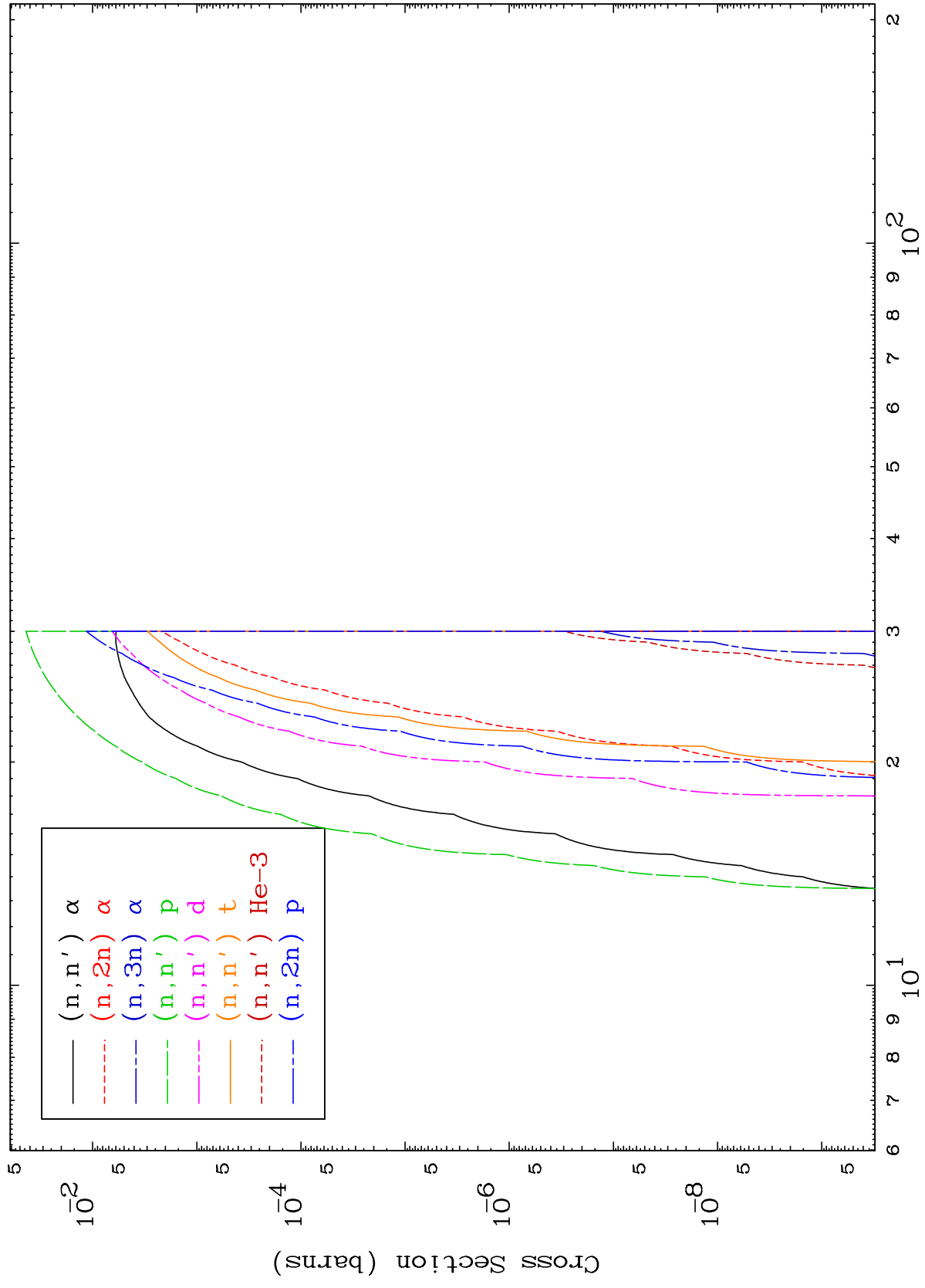


2

Incident Energy (MeV)

50-Sn-123

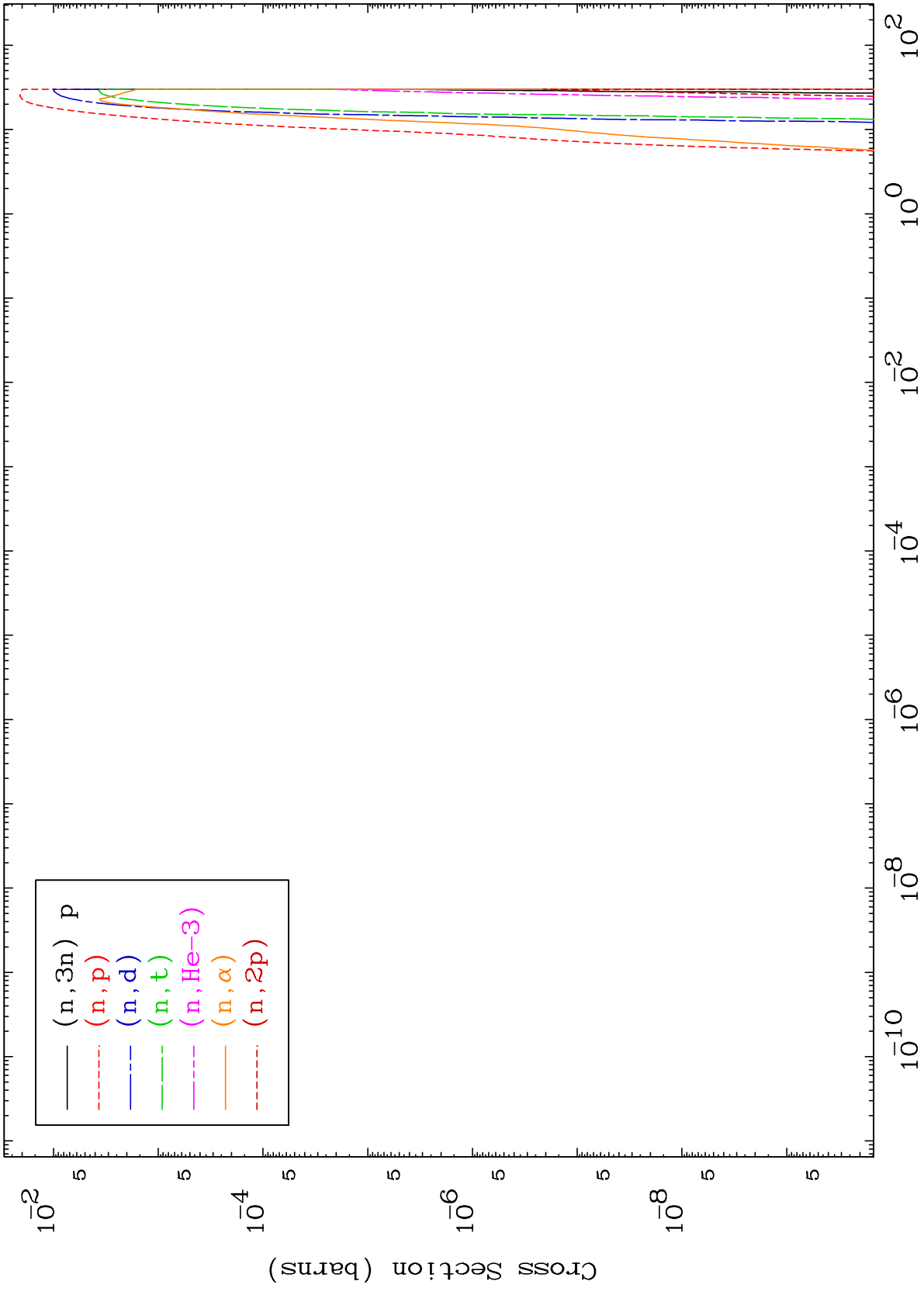




MAT 5059

Charged Particle  
293 Kelvin Cross Sections

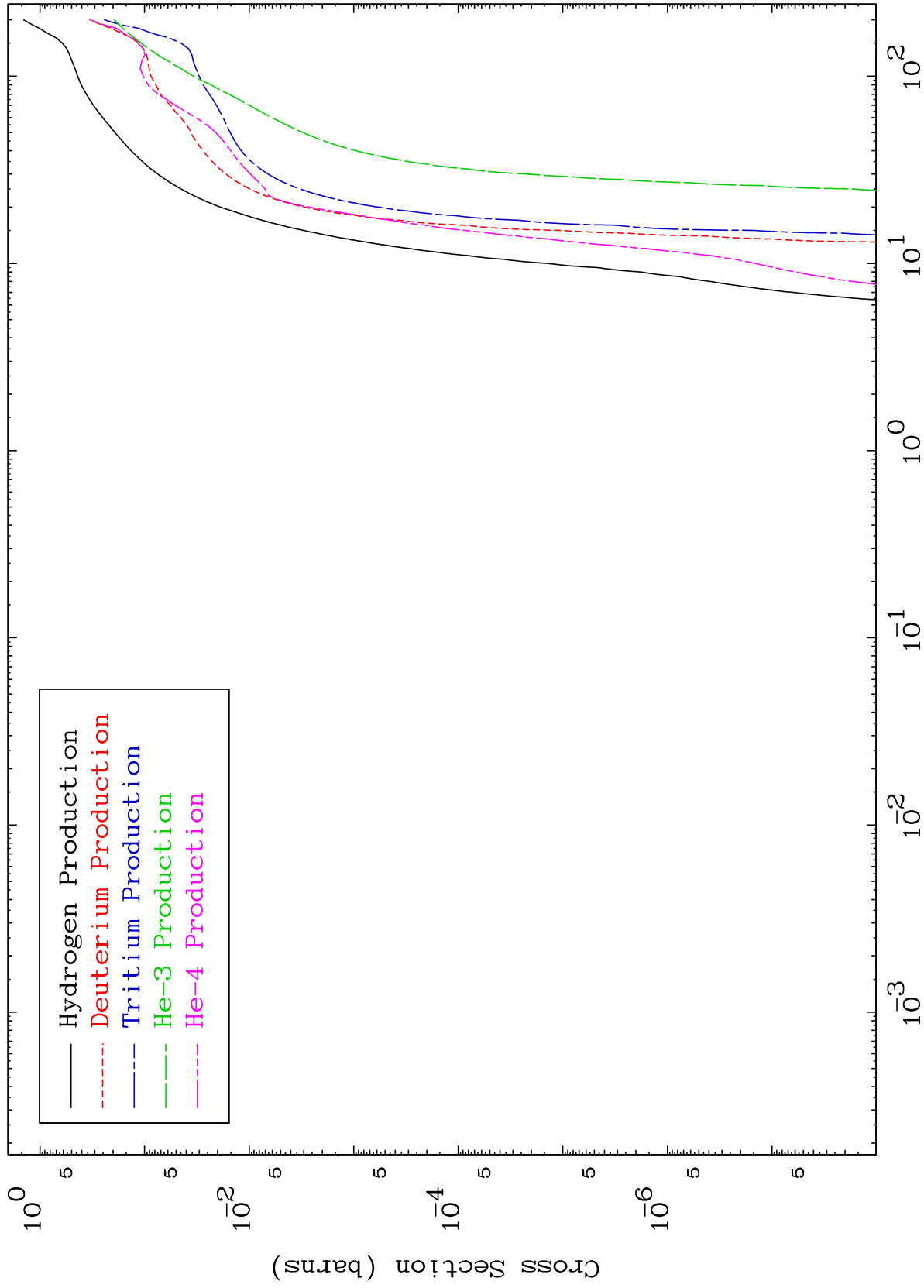
50-Sn-123



MAT 5059

Particle Production  
293 Kelvin Cross Sections

50-Sn-123



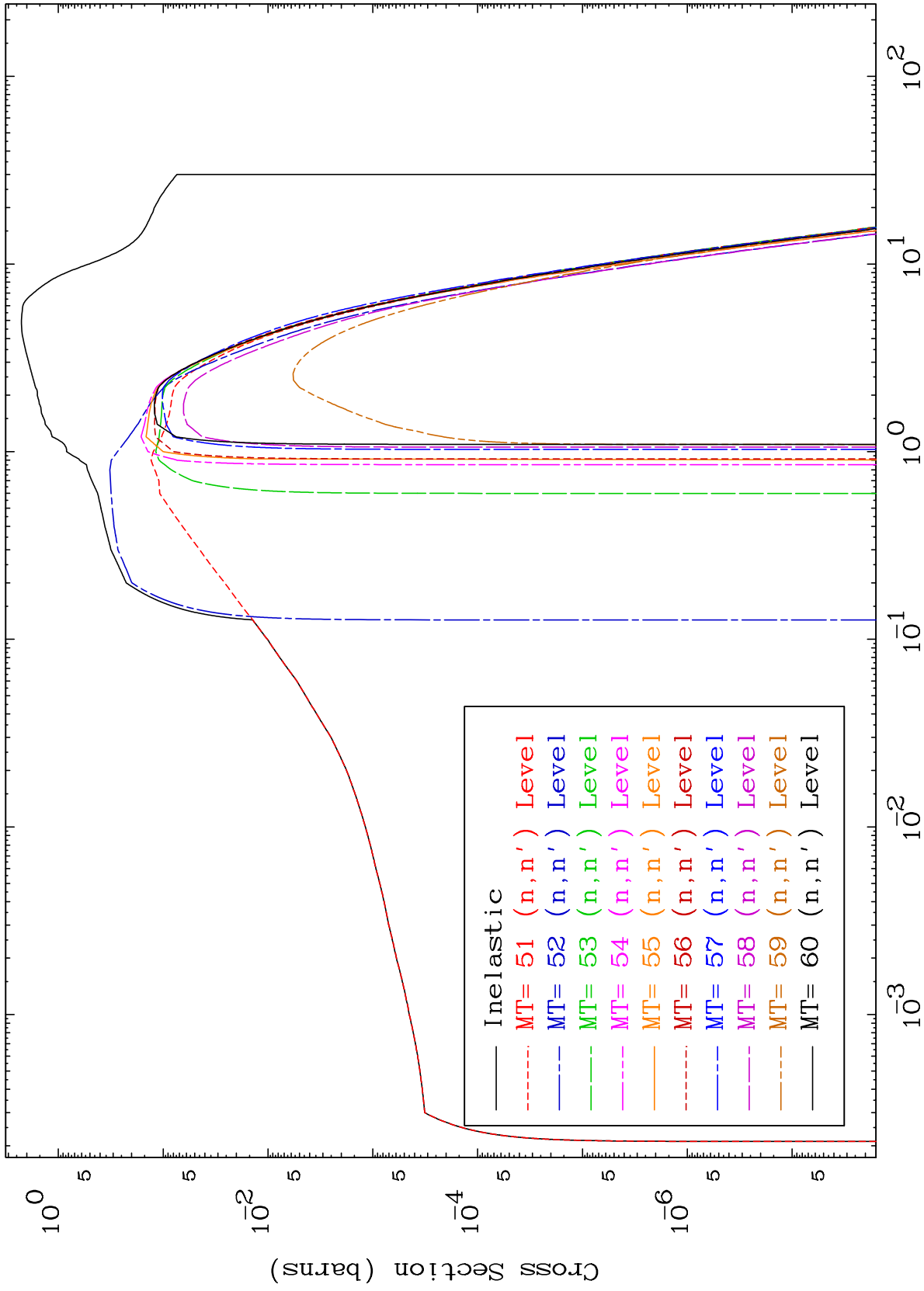
6

50-Sn-123

MAT 5059

(n,n') Level  
293 Kelvin Cross Sections

50-Sn-123

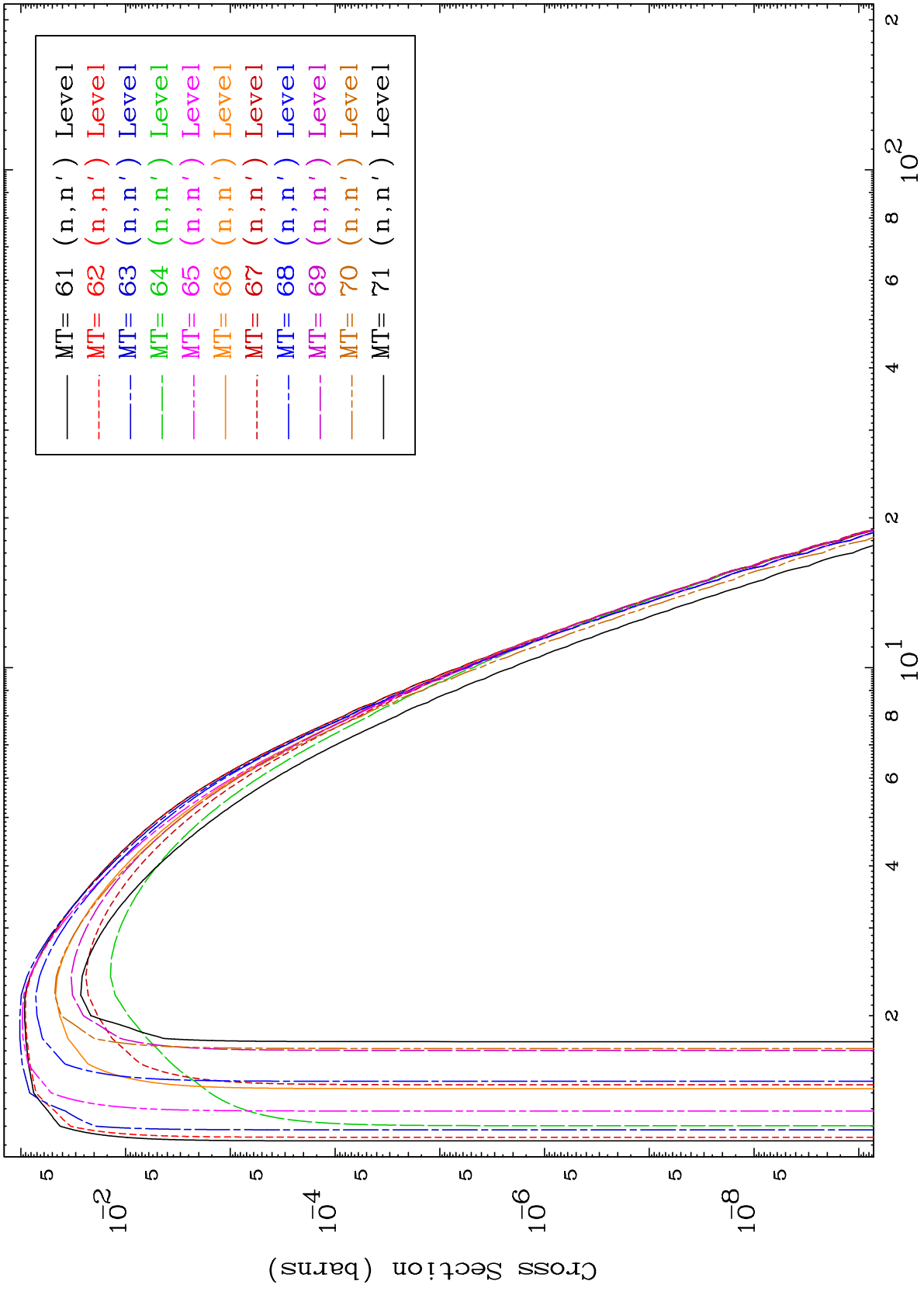




MAT 5059

(n,n') Level  
293 Kelvin Cross Sections

50-Sn-123



8

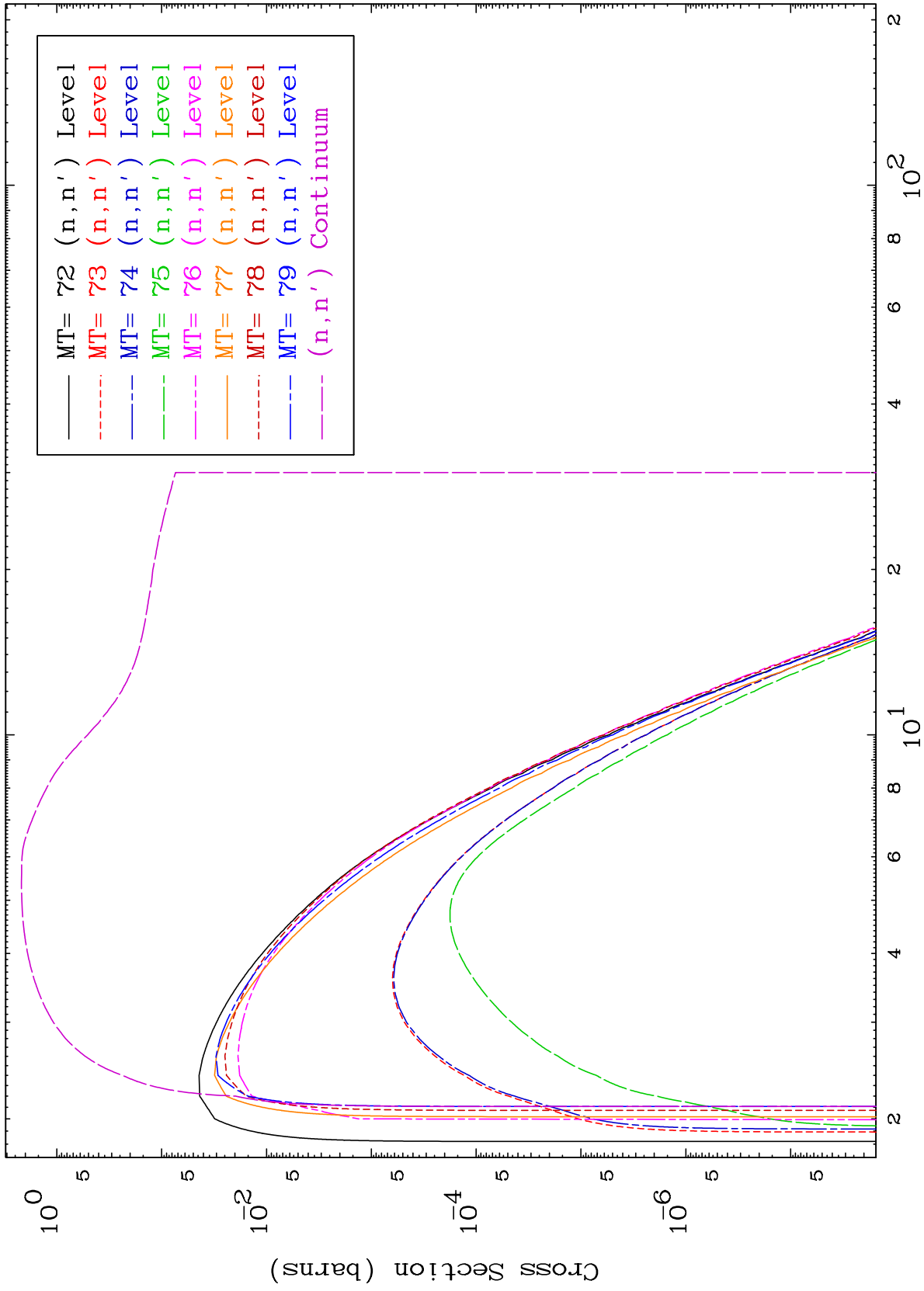
Incident Energy (MeV)

50-Sn-123

MAT 5059

(n,n') Level  
293 Kelvin Cross Sections

50-Sn-123



9

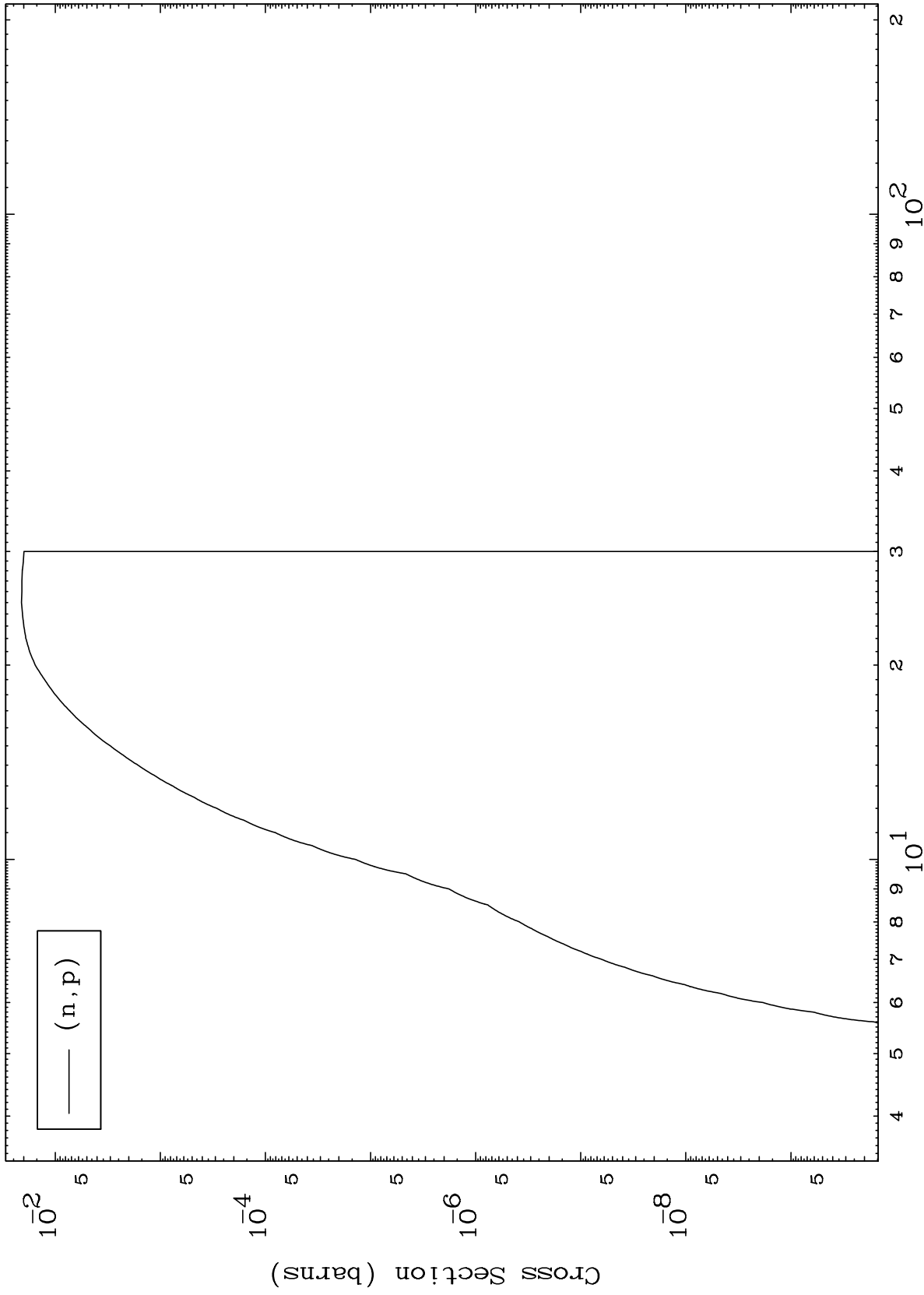
Incident Energy (MeV)

50-Sn-123

MAT 5059

(n,p) Levels  
293 Kelvin Cross Sections

50-Sn-123



10

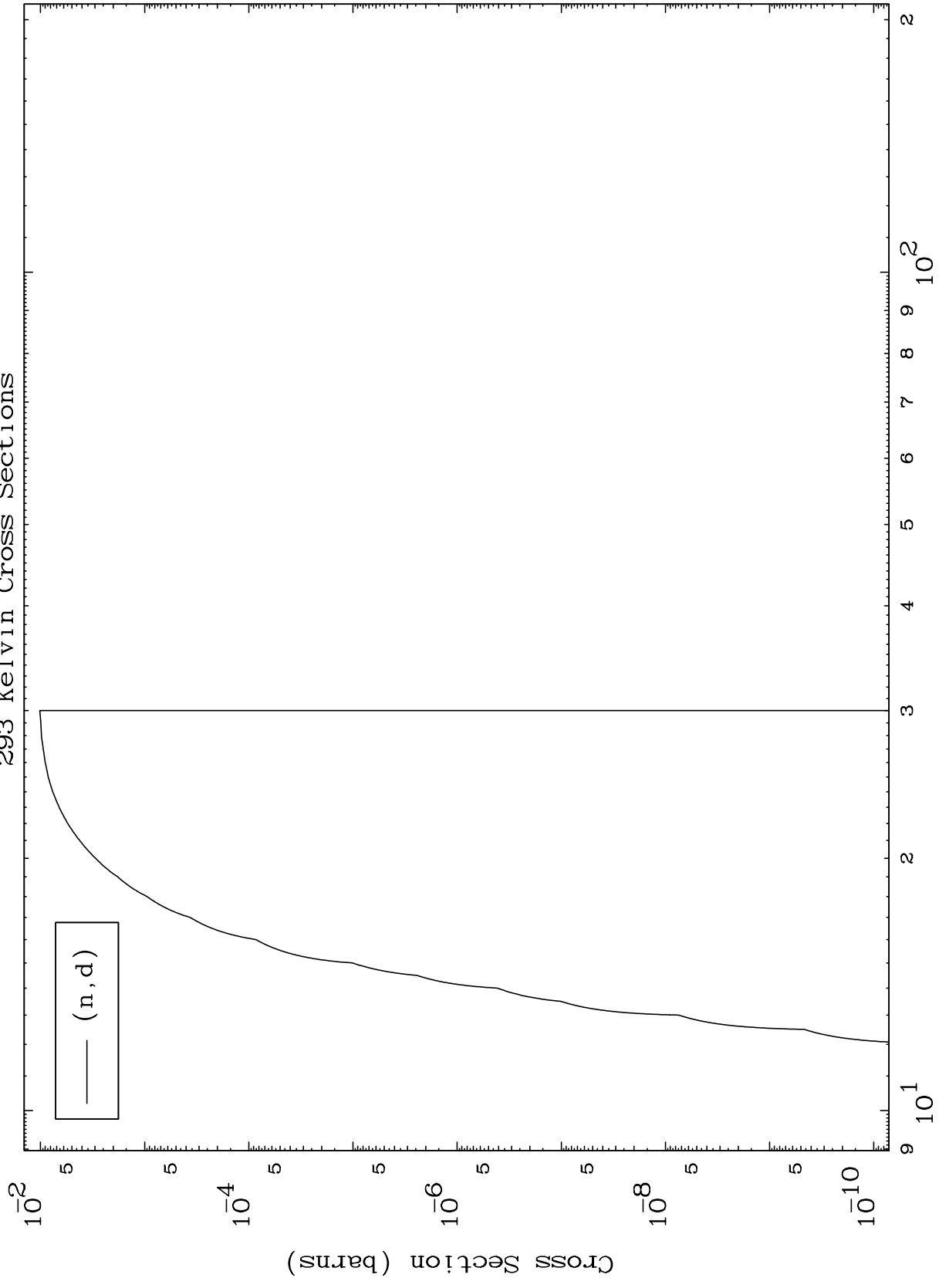
Incident Energy (MeV)

50-Sn-123

MAT 5059

(n,d) Levels  
293 Kelvin Cross Sections

50-Sn-123



11

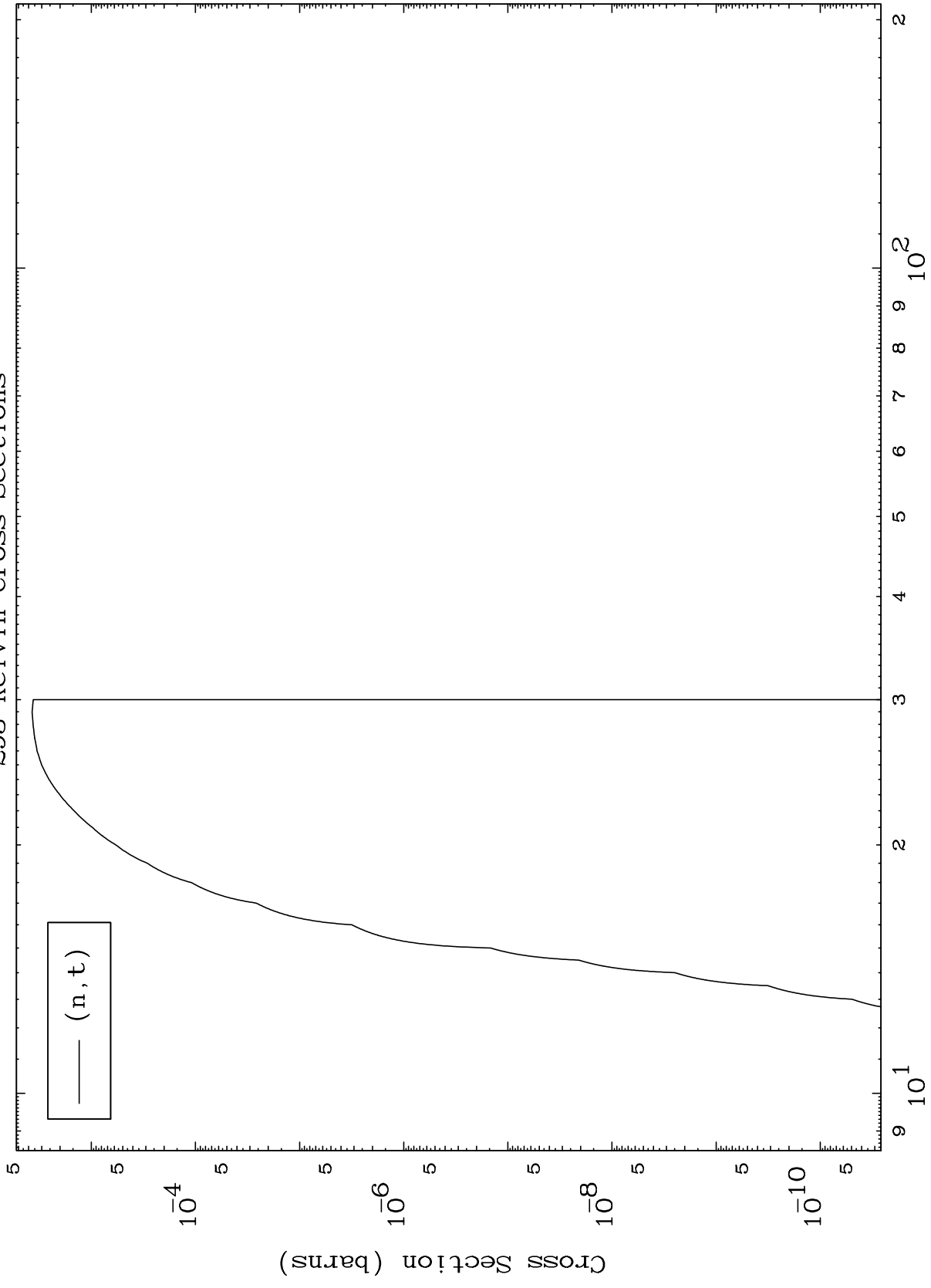
Incident Energy (MeV)

50-Sn-123

MAT 5059

(n,t) Levels  
293 Kelvin Cross Sections

50-Sn-123



12

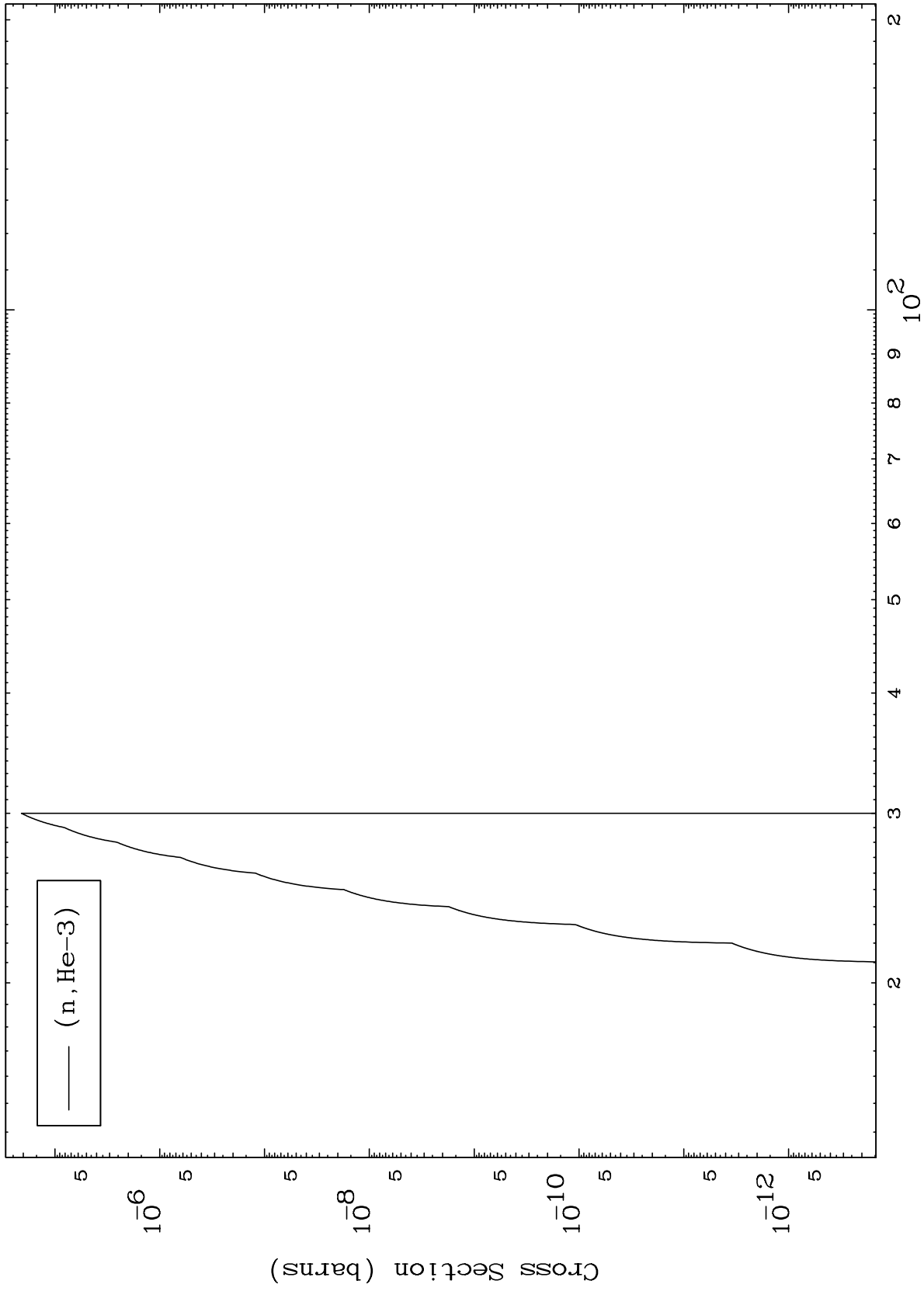
Incident Energy (MeV)

50-Sn-123

MAT 5059

(n,He3) Levels  
293 Kelvin Cross Sections

50-Sn-123



13

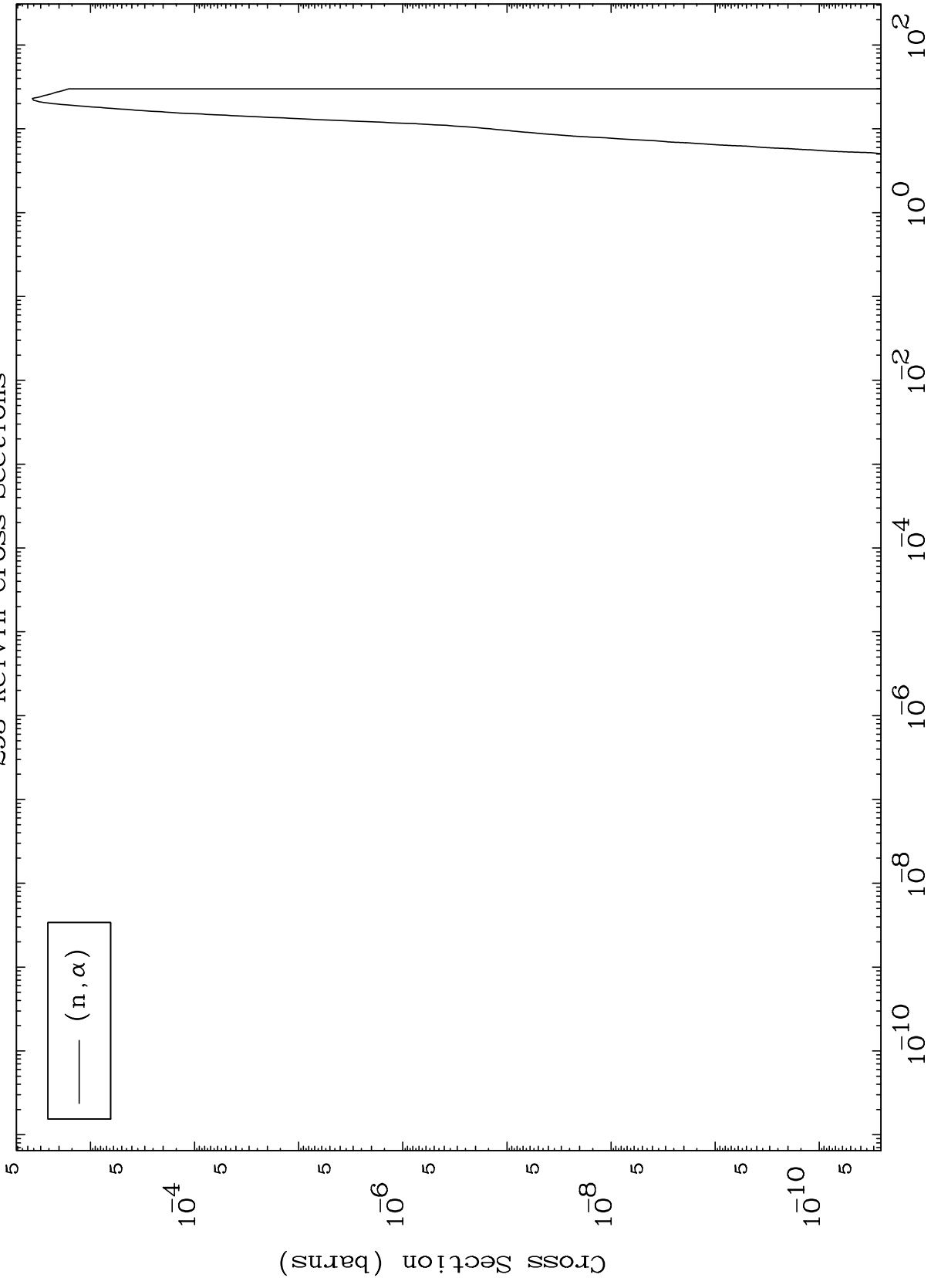
Incident Energy (MeV)

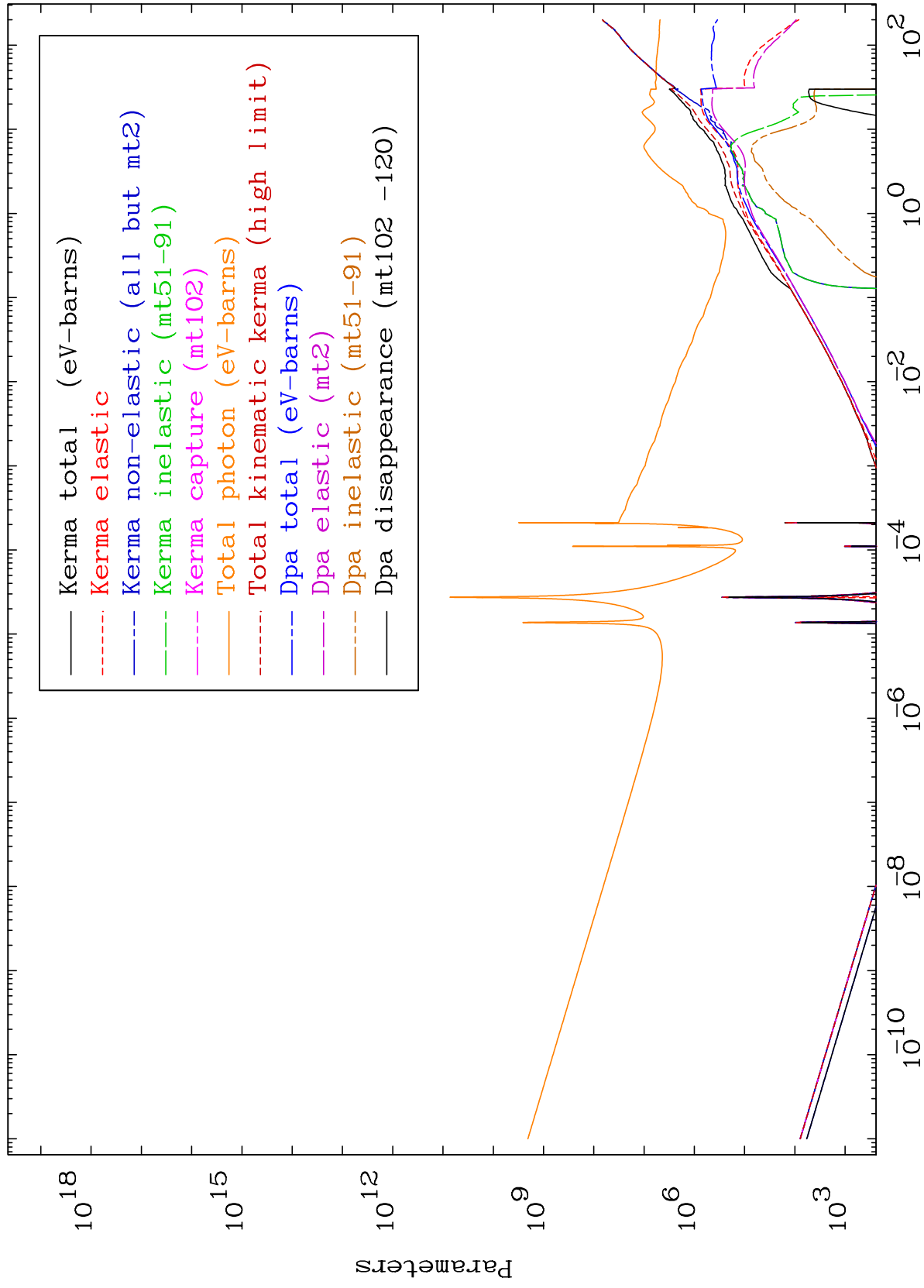
50-Sn-123

MAT 5059

(n,α) Levels  
293 Kelvin Cross Sections

50-Sn-123



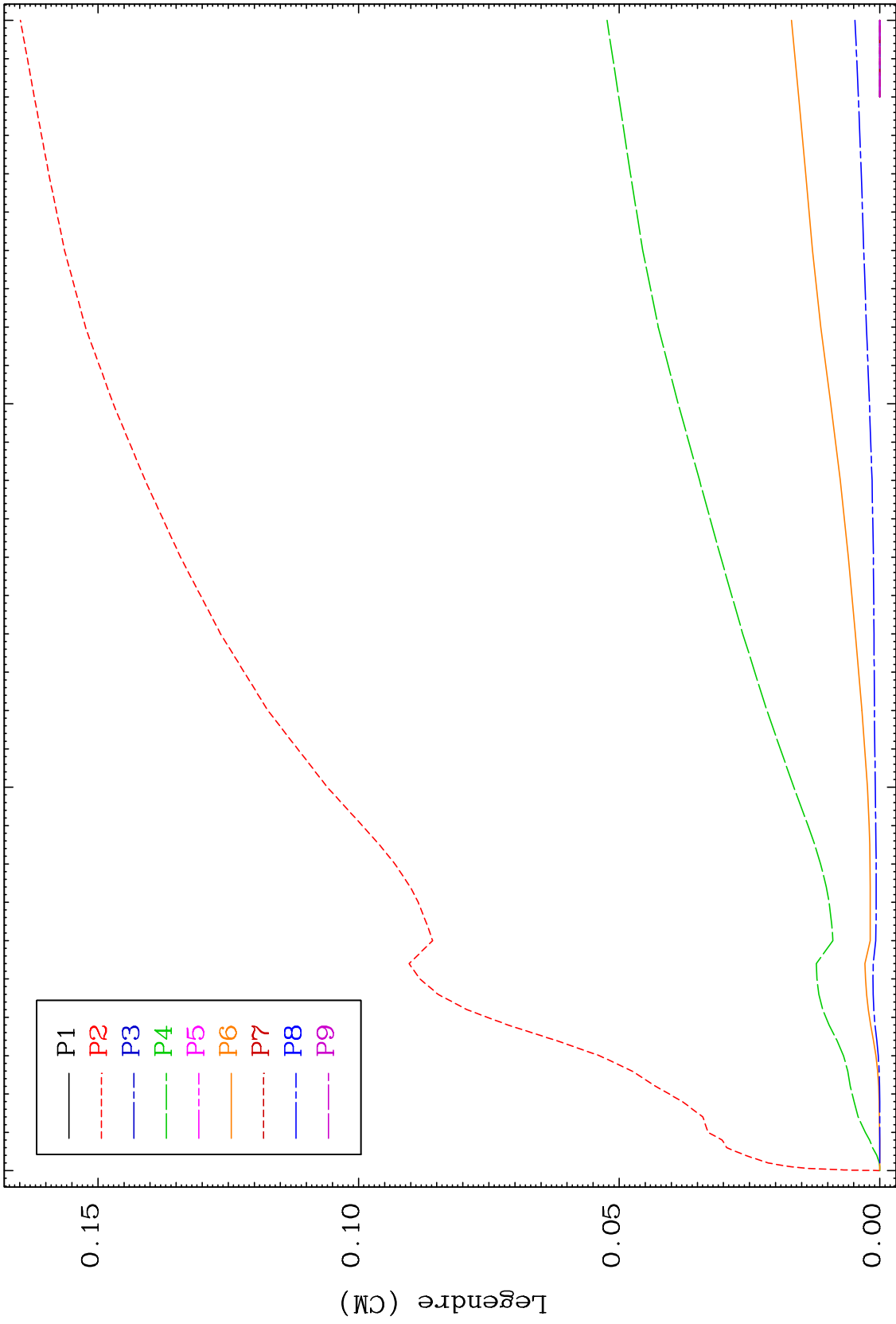




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Elastic Legendre Coefficients

50-Sn-123



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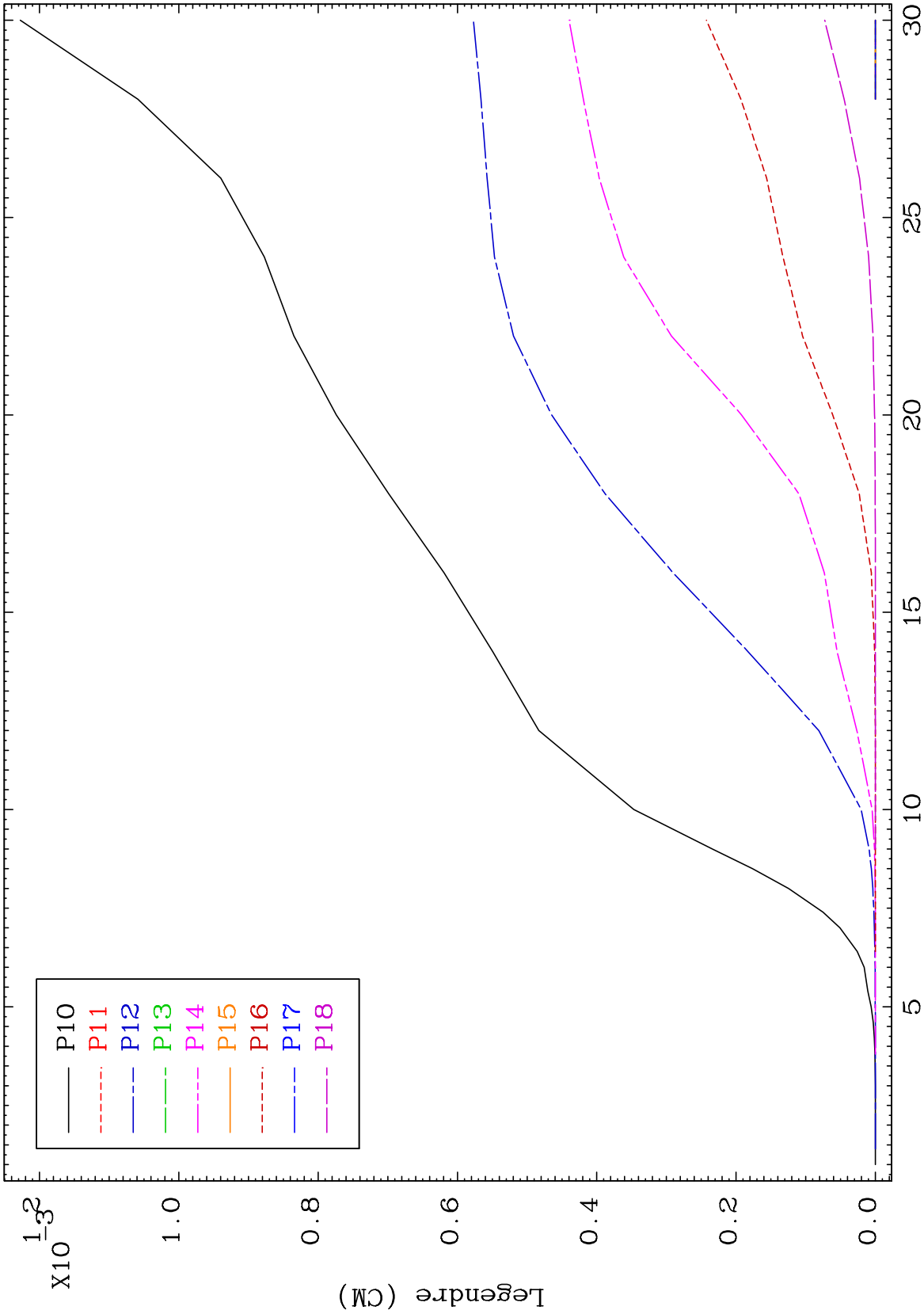
Incident Energy (MeV)

50-Sn-123

MAT 5059

Elastic Legendre Coefficients

50-Sn-123



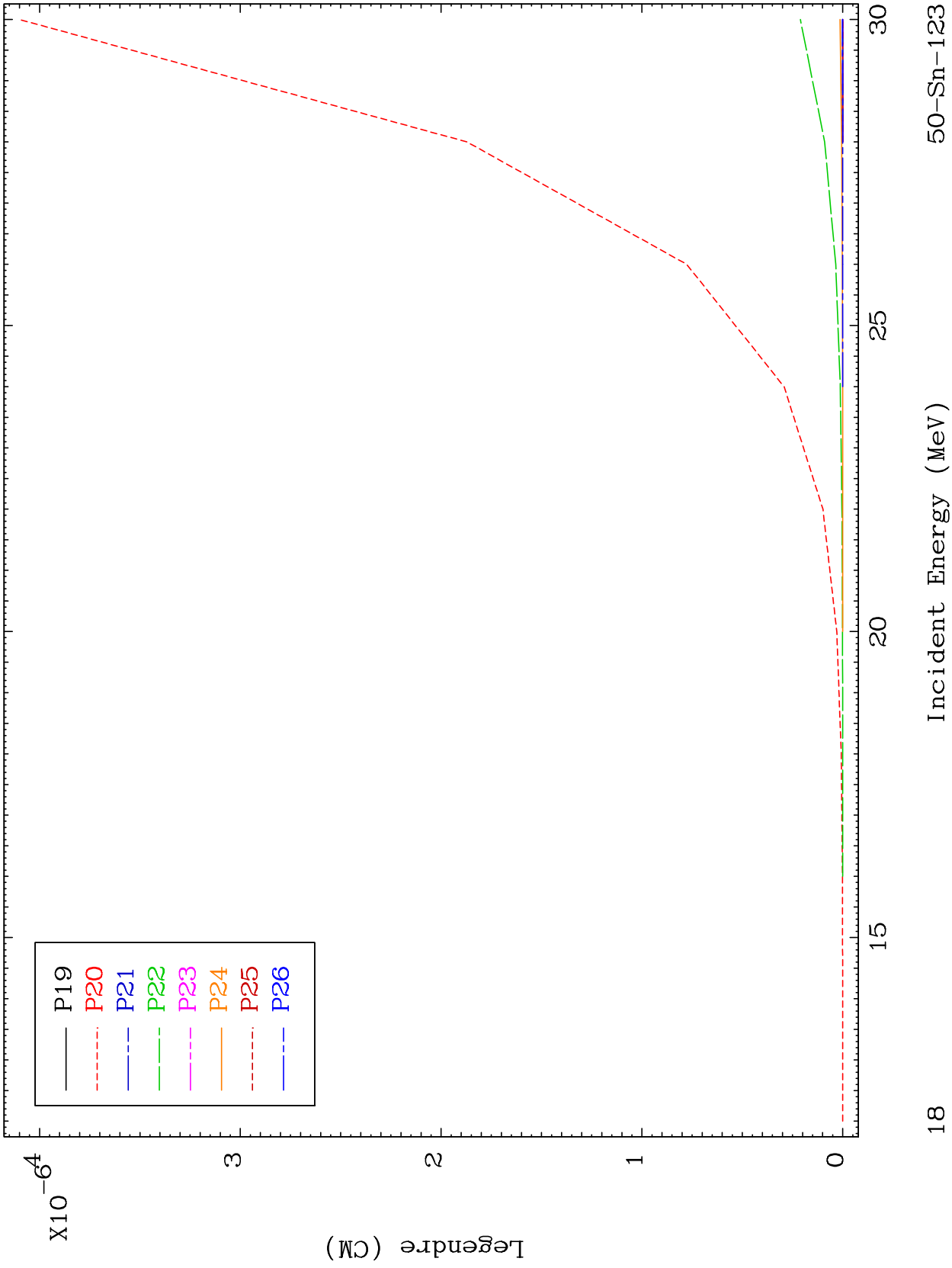
17

50-Sn-123

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Elastic  
Legendre Coefficients

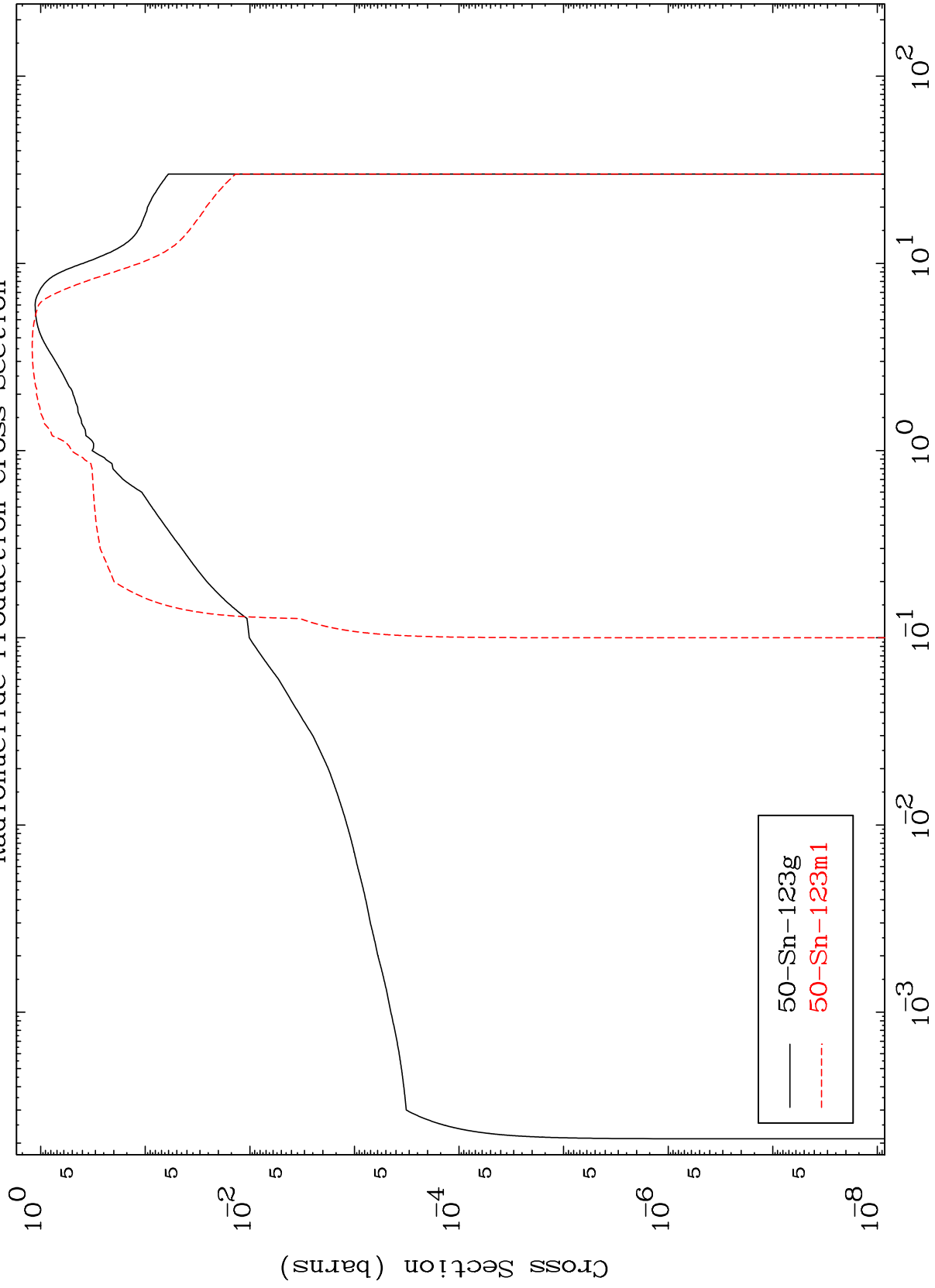
50-Sn-123



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50-Sn-123

Inelastic  
Radionuclide Production Cross Section



19

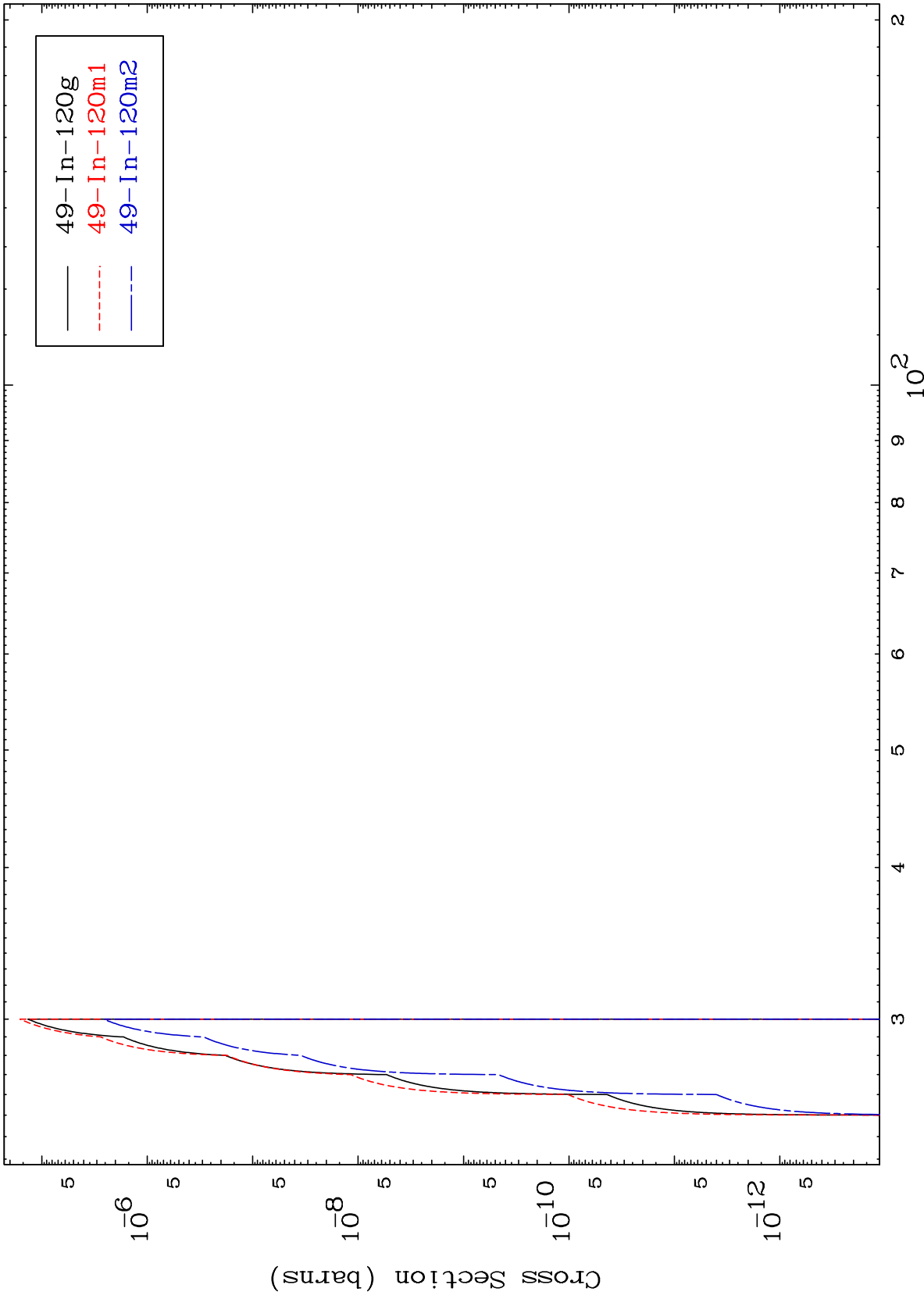
50-Sn-123

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(n,2n) d

50-Sn-123

Radionuclide Production Cross Section



20

Incident Energy (MeV)

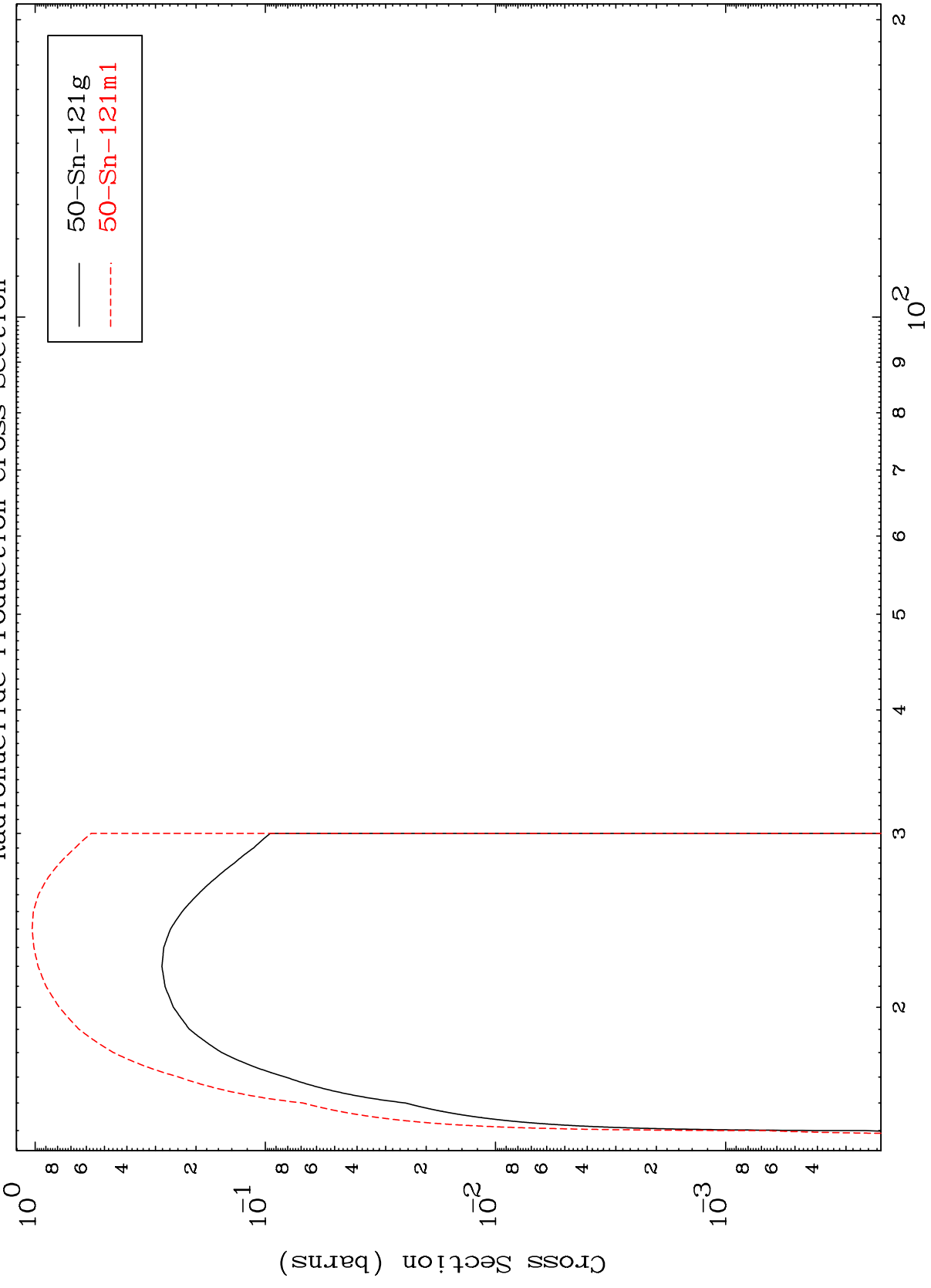
50-Sn-123

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(n,3n)

50-Sn-123

Radionuclide Production Cross Section



50-Sn-121g  
50-Sn-121m1

21

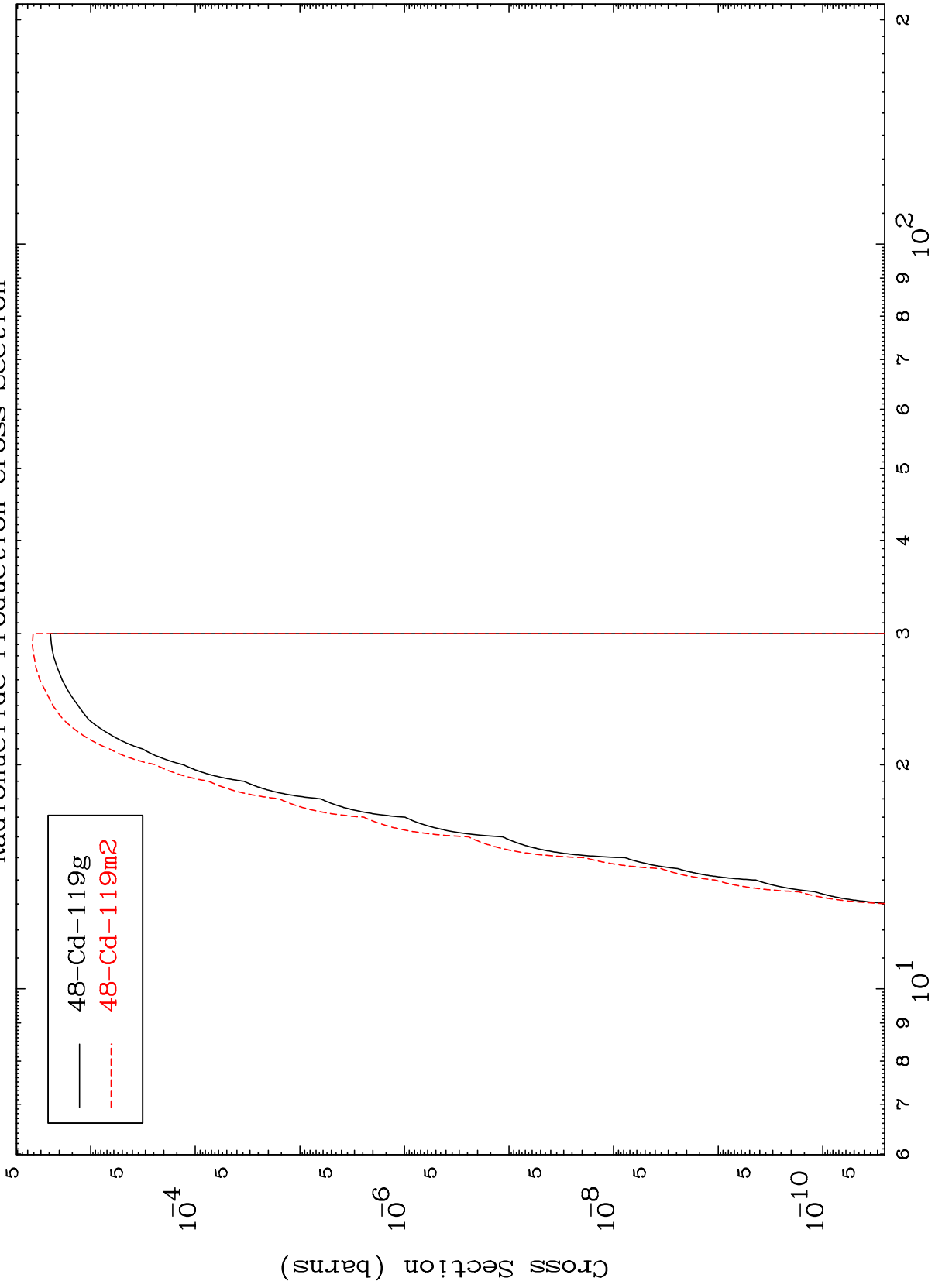
Incident Energy (MeV)

50-Sn-123

MAT 5059

50-Sn-123

(n,n')  $\alpha$   
Radionuclide Production Cross Section



22

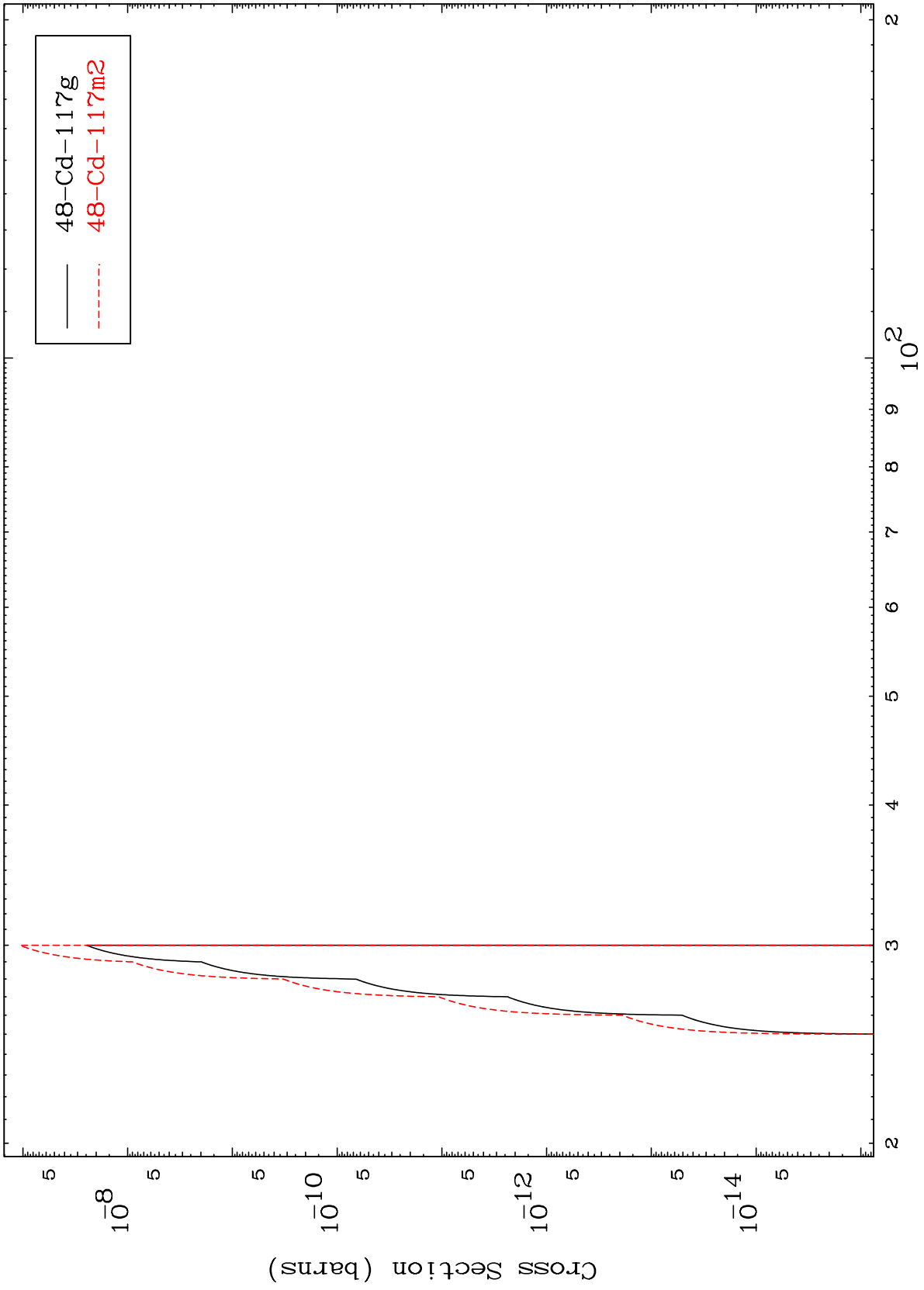
50-Sn-123

MAT 5059

(n,3n)  $\alpha$

50-Sn-123

Radionuclide Production Cross Section



23

Incident Energy (MeV)

50-Sn-123

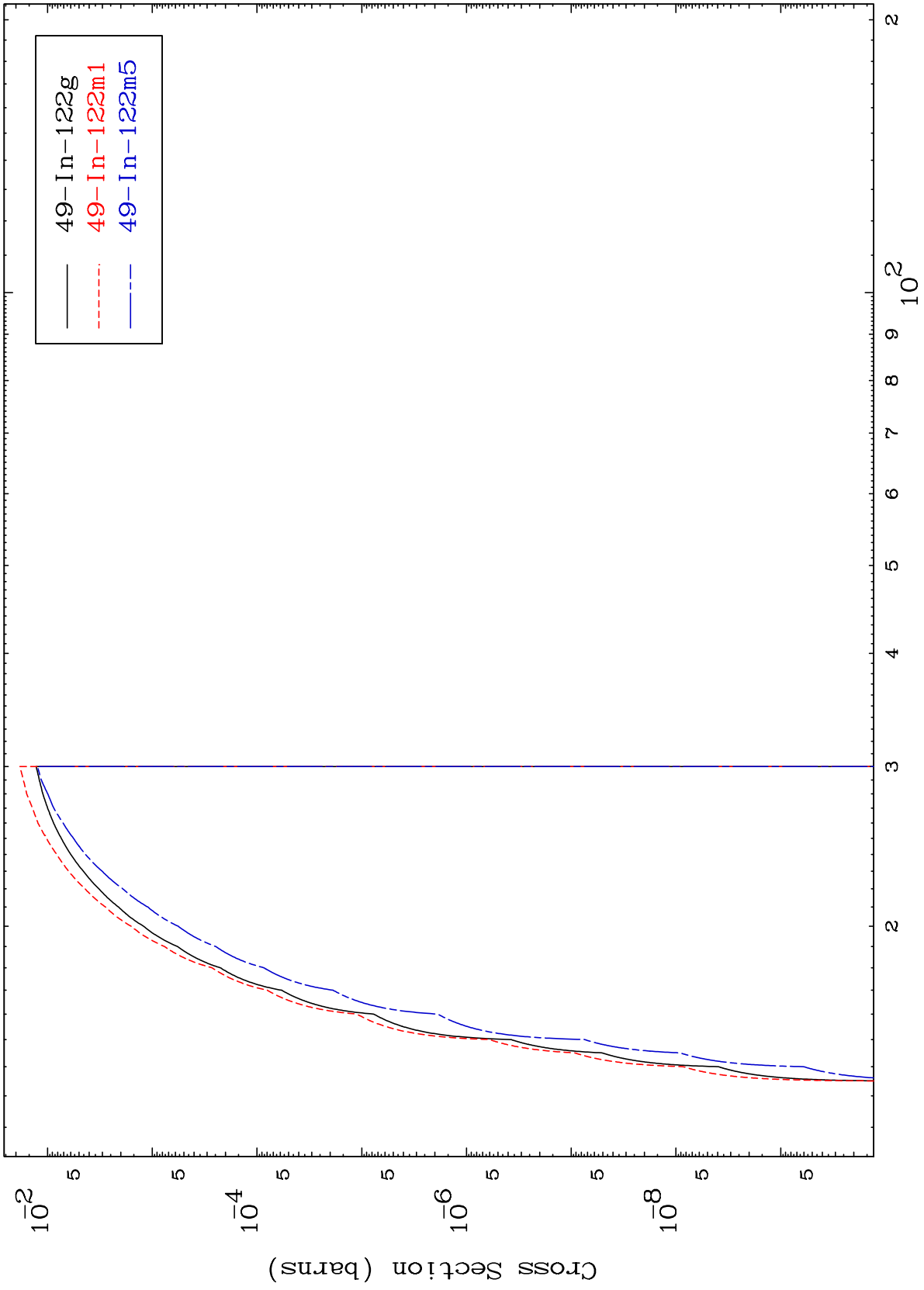


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(n,n') p

50-Sn-123

Radionuclide Production Cross Section



24

Incident Energy (MeV)

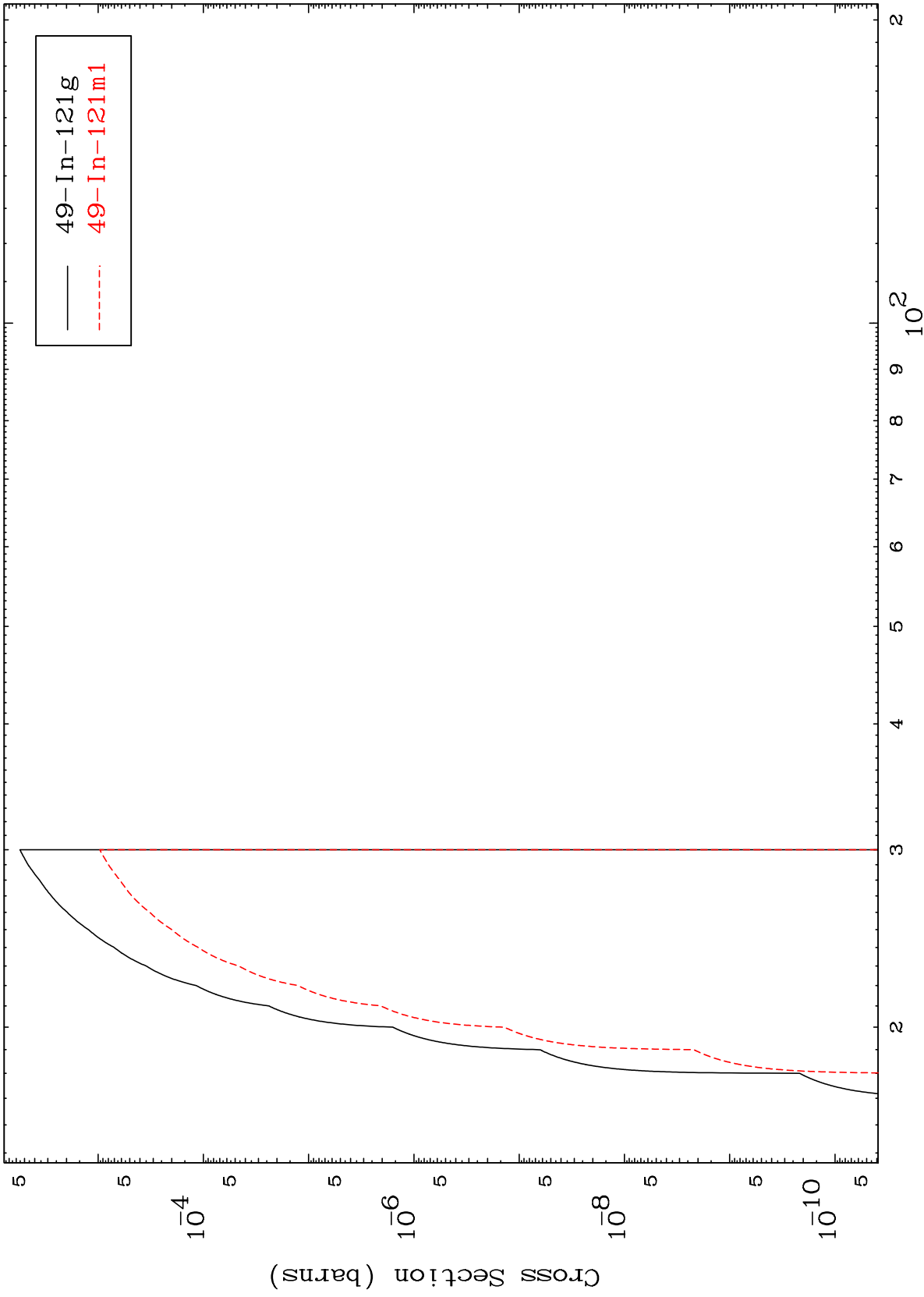
50-Sn-123

MAT 5059

(n,n') d

50-Sn-123

Radionuclide Production Cross Section



25

Incident Energy (MeV)

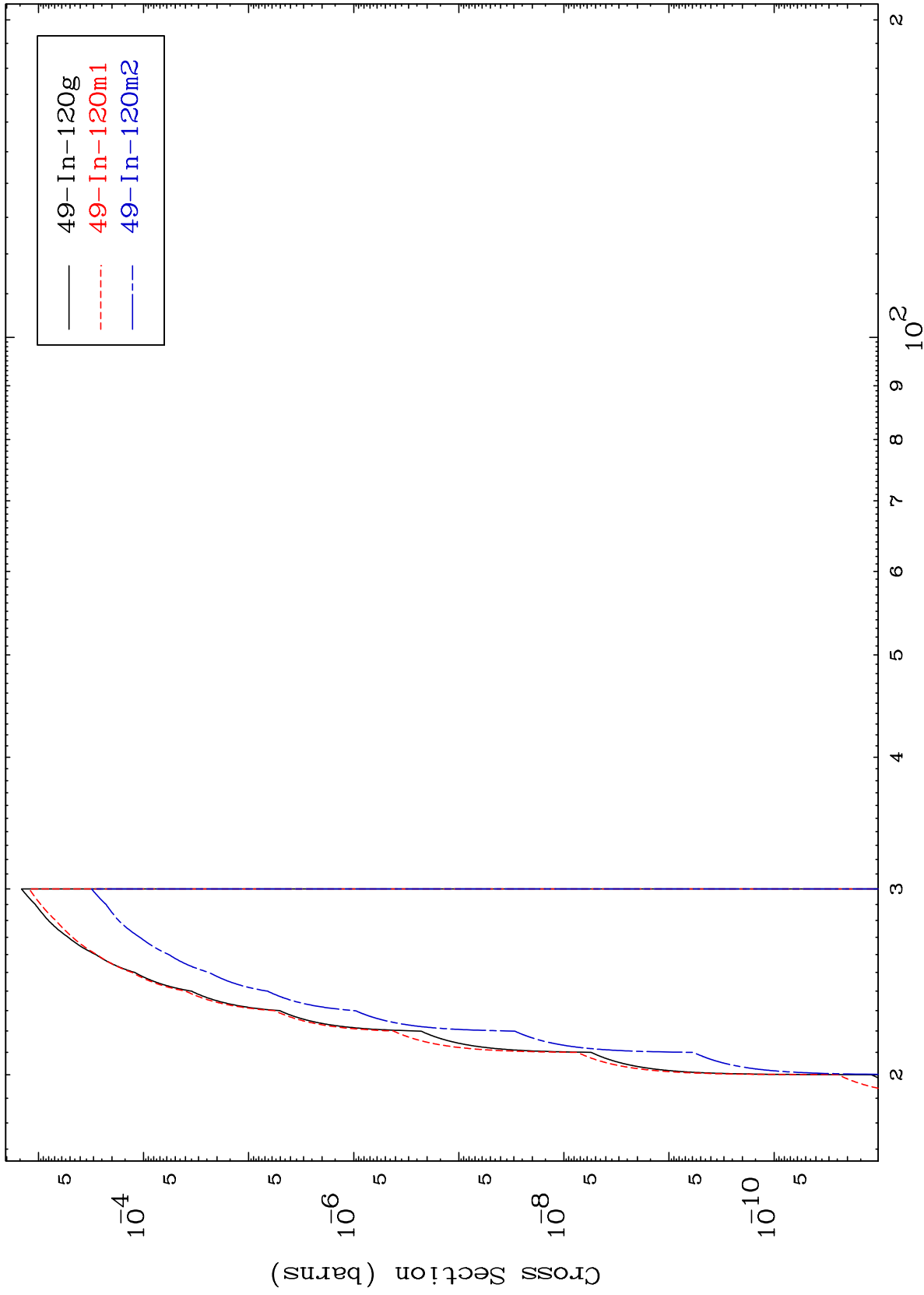
50-Sn-123

MAT 5059

(n,n') t

50-Sn-123

Radionuclide Production Cross Section



26

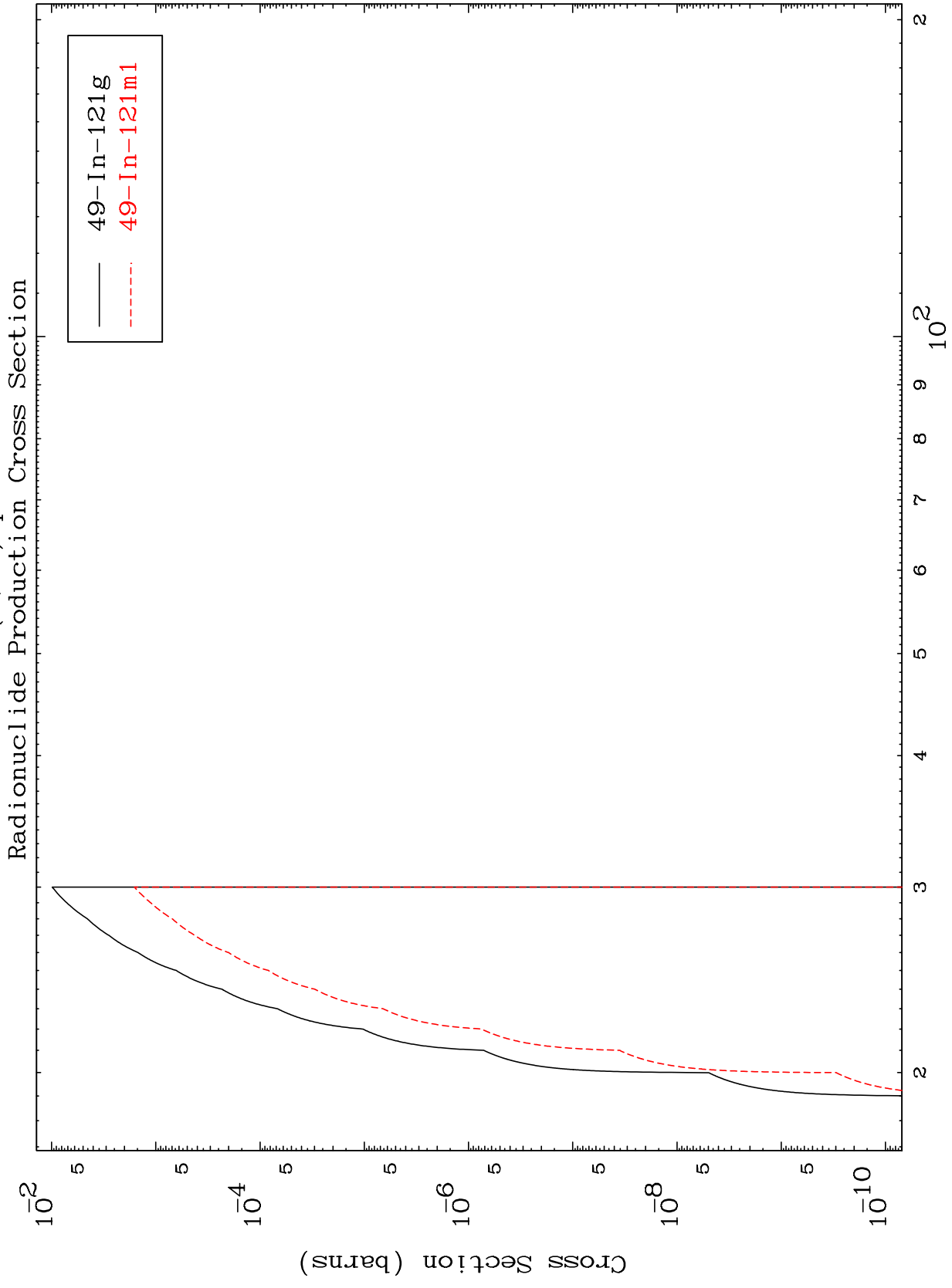
Incident Energy (MeV)

50-Sn-123

MAT 5059

(n,2n) p

50-Sn-123



27

Incident Energy (MeV)

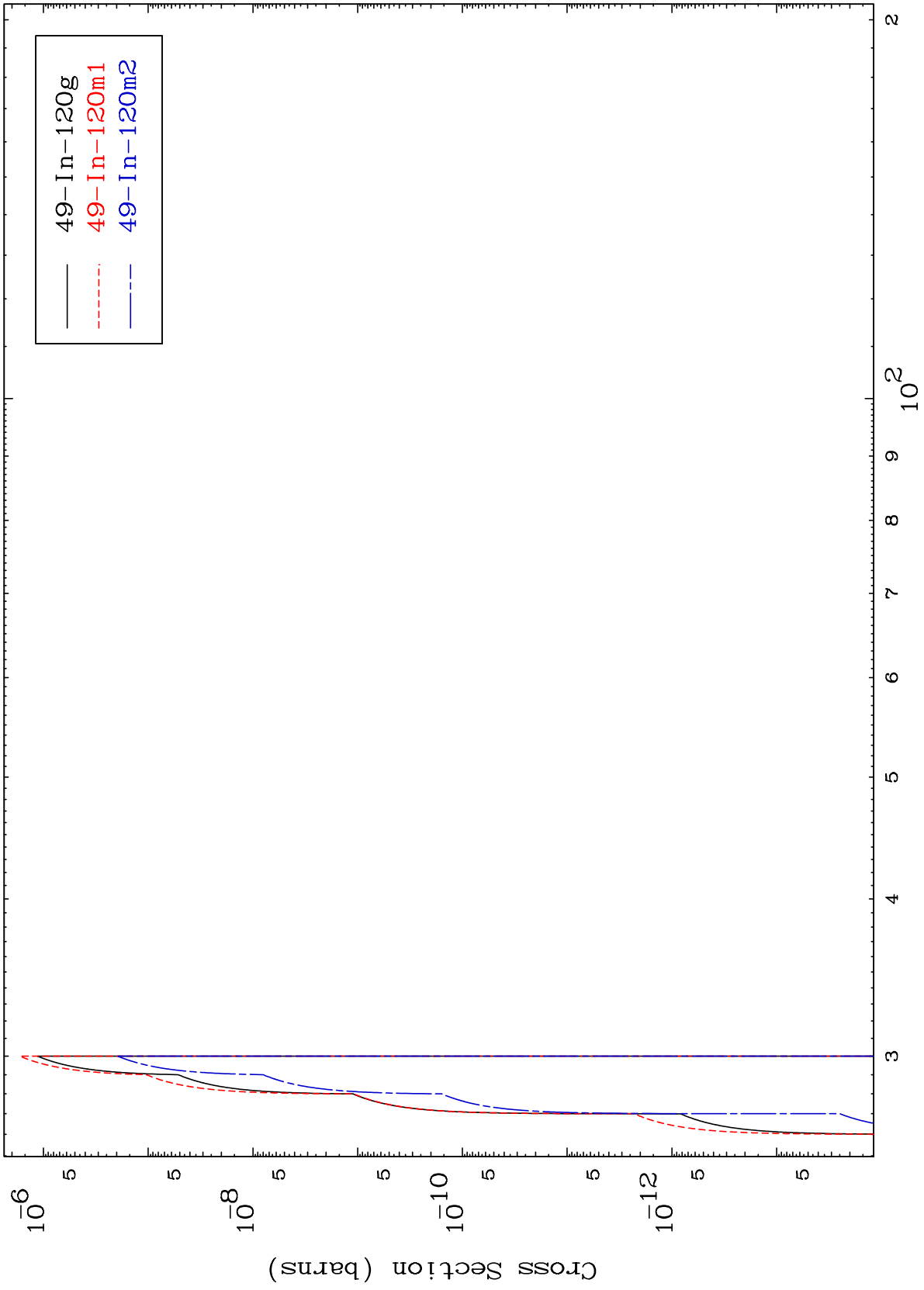
50-Sn-123

MAT 5059

(n,3n) p

50-Sn-123

Radionuclide Production Cross Section



28

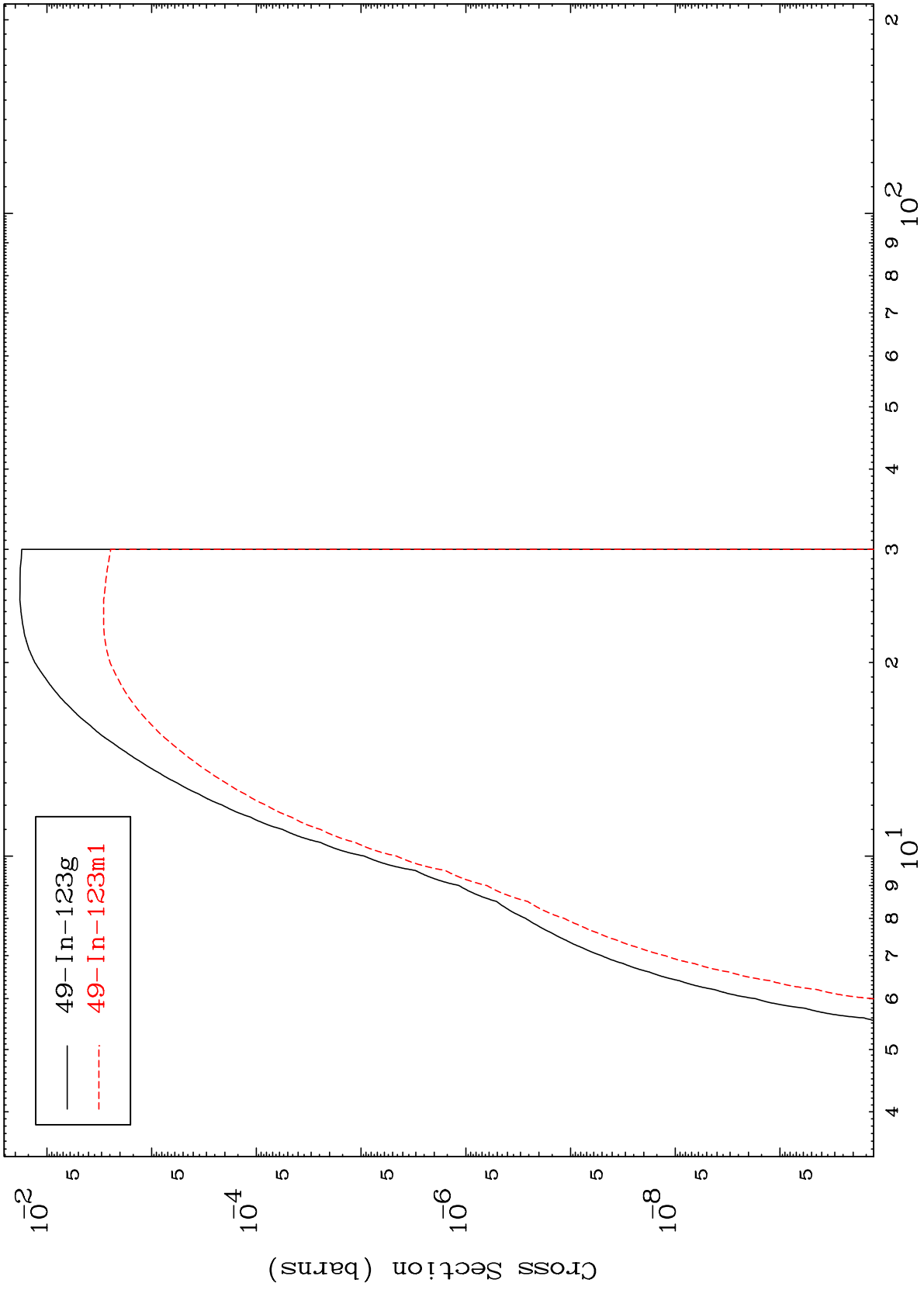
Incident Energy (MeV)

50-Sn-123

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(n,p)  
Radionuclide Production Cross Section

50-Sn-123



29

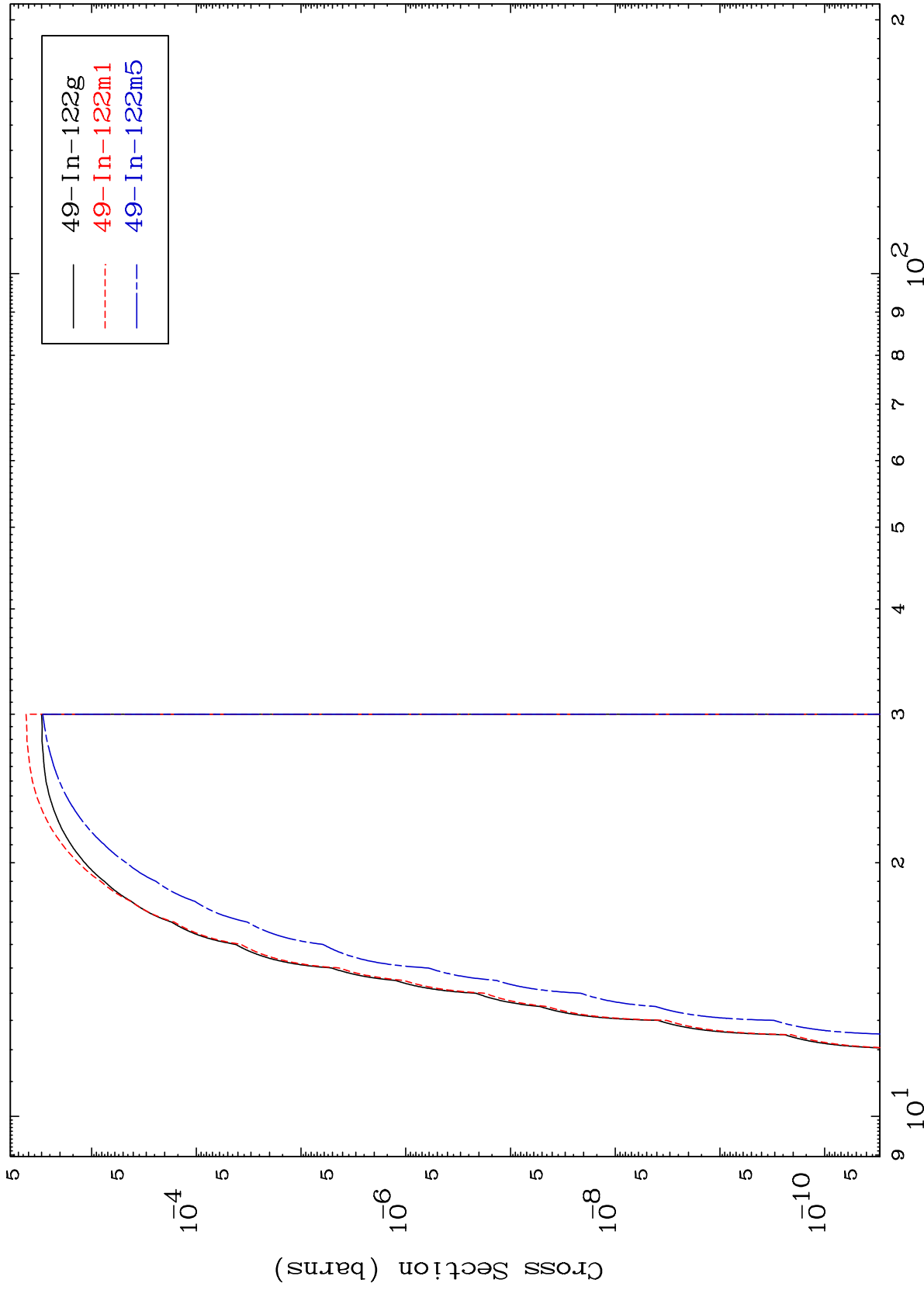
Incident Energy (MeV)

50-Sn-123

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50-Sn-123

(n,d)  
Radionuclide Production Cross Section



50-Sn-123

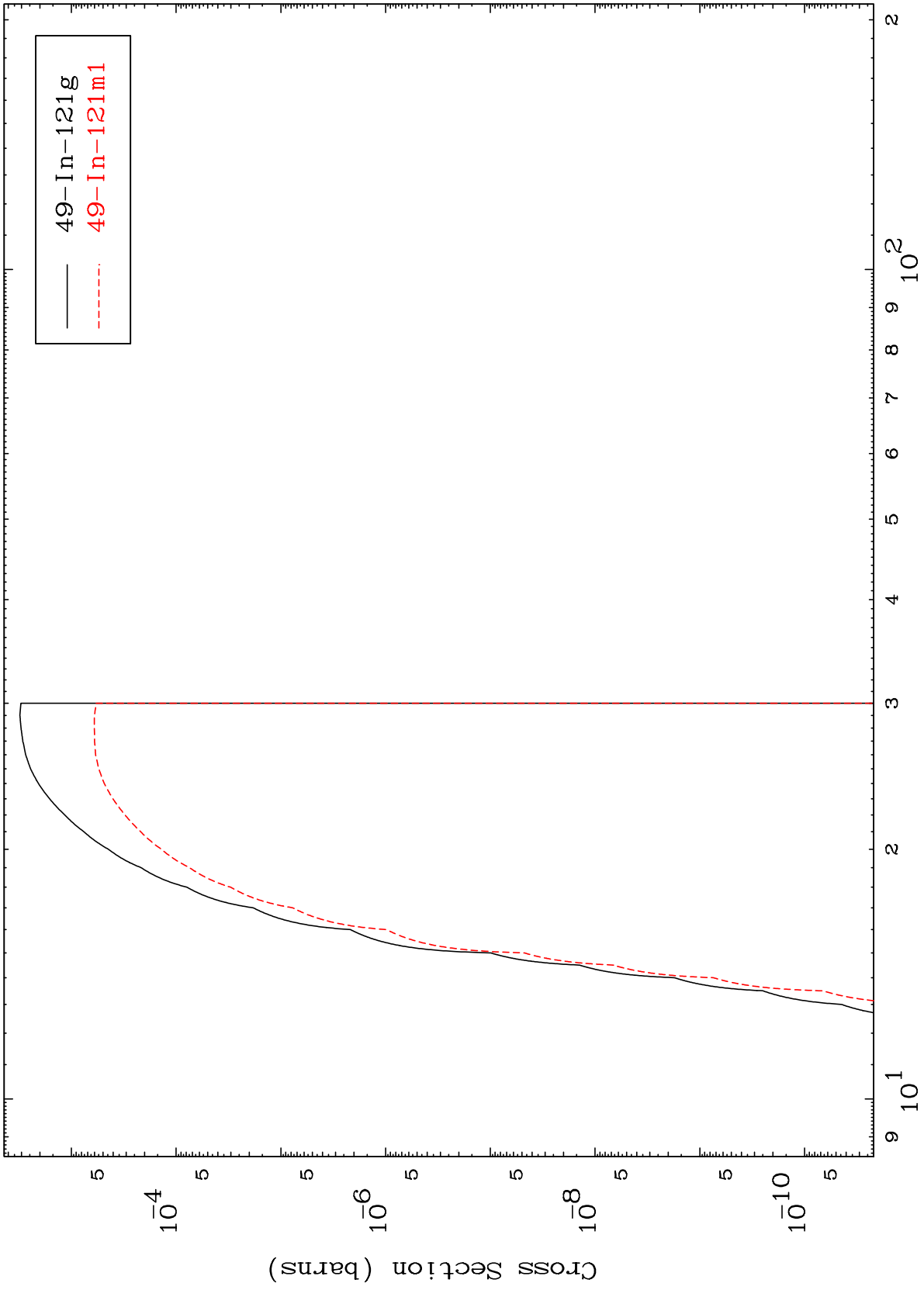
Incident Energy (MeV)

30

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50-Sn-123

(n, t)  
Radionuclide Production Cross Section



31

Incident Energy (MeV)

50-Sn-123

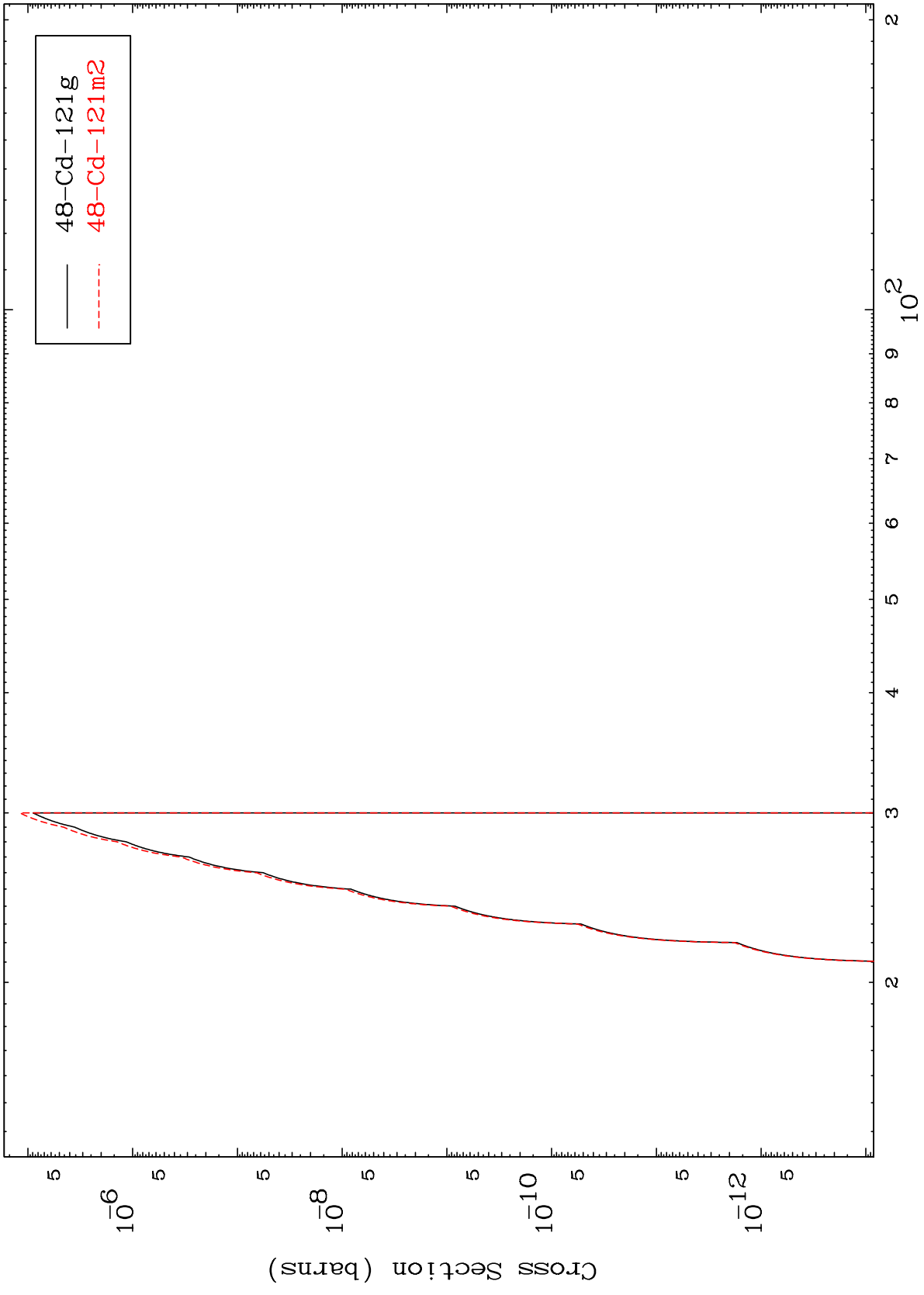


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(n, He-3)

50-Sn-123

Radionuclide Production Cross Section



32

Incident Energy (MeV)

50-Sn-123