

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

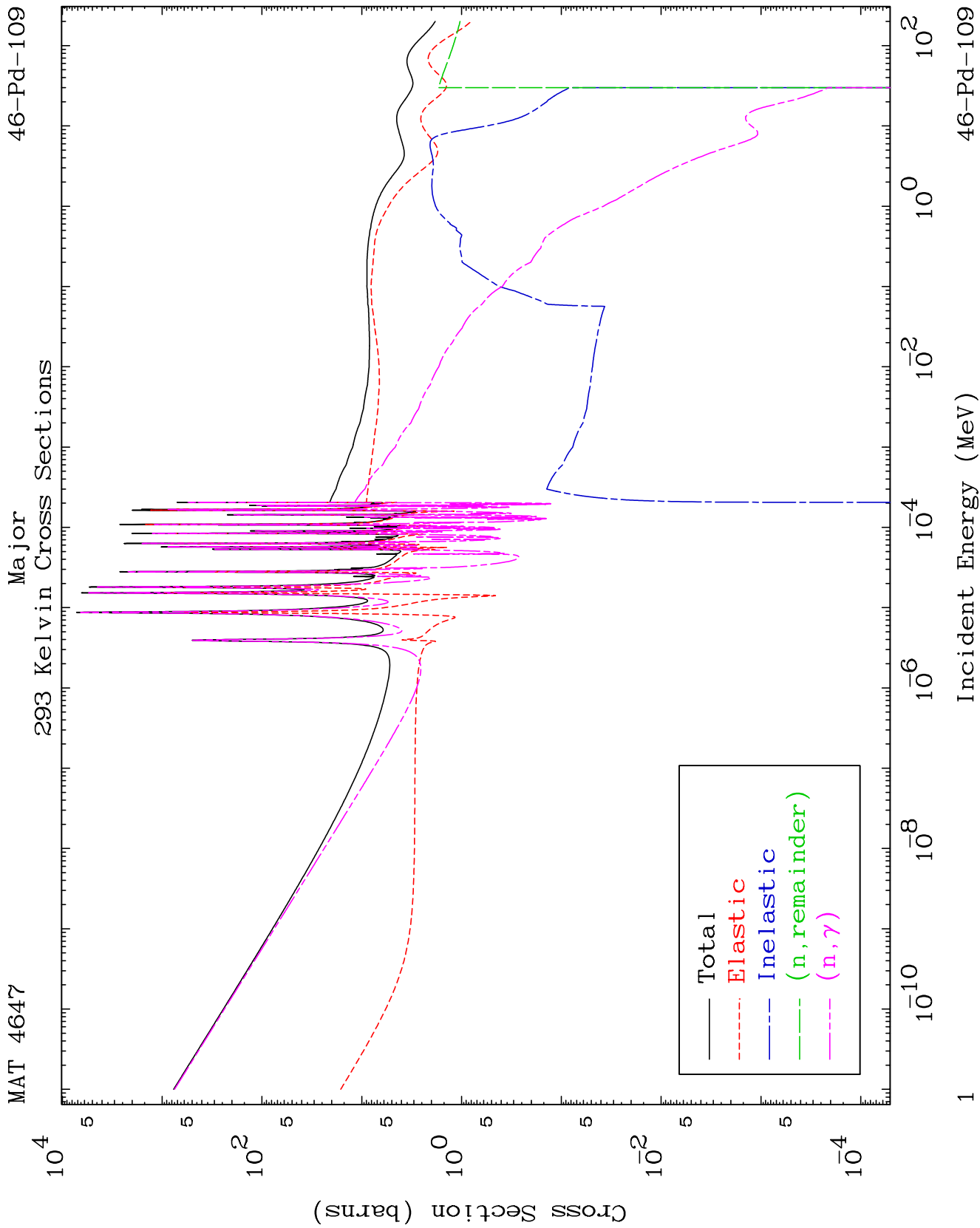
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Web: redcullen1.net/HOMEPAGE.NEW

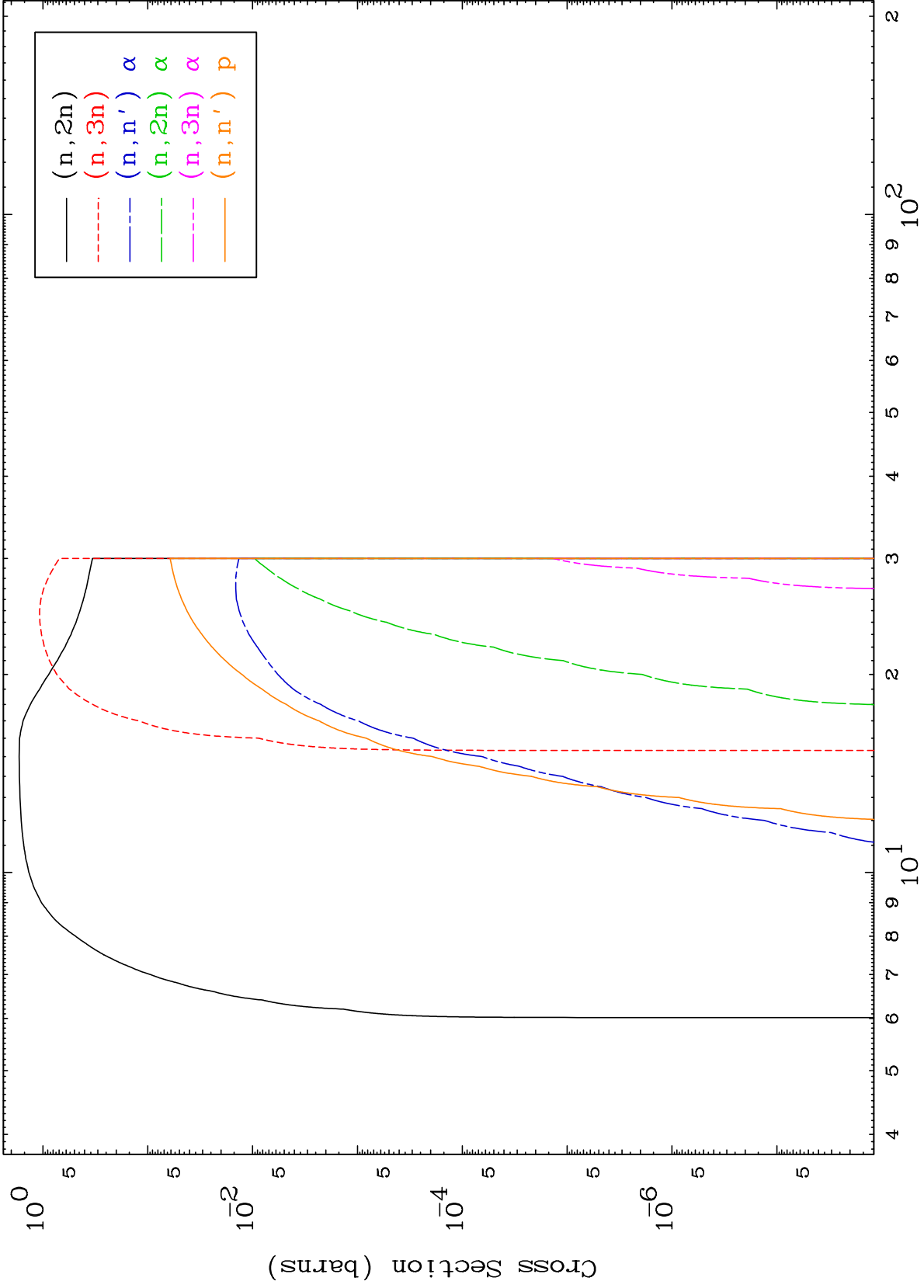
Press Mouse Button to Start



MAT 4647

Neutron Production
293 Kelvin Cross Sections

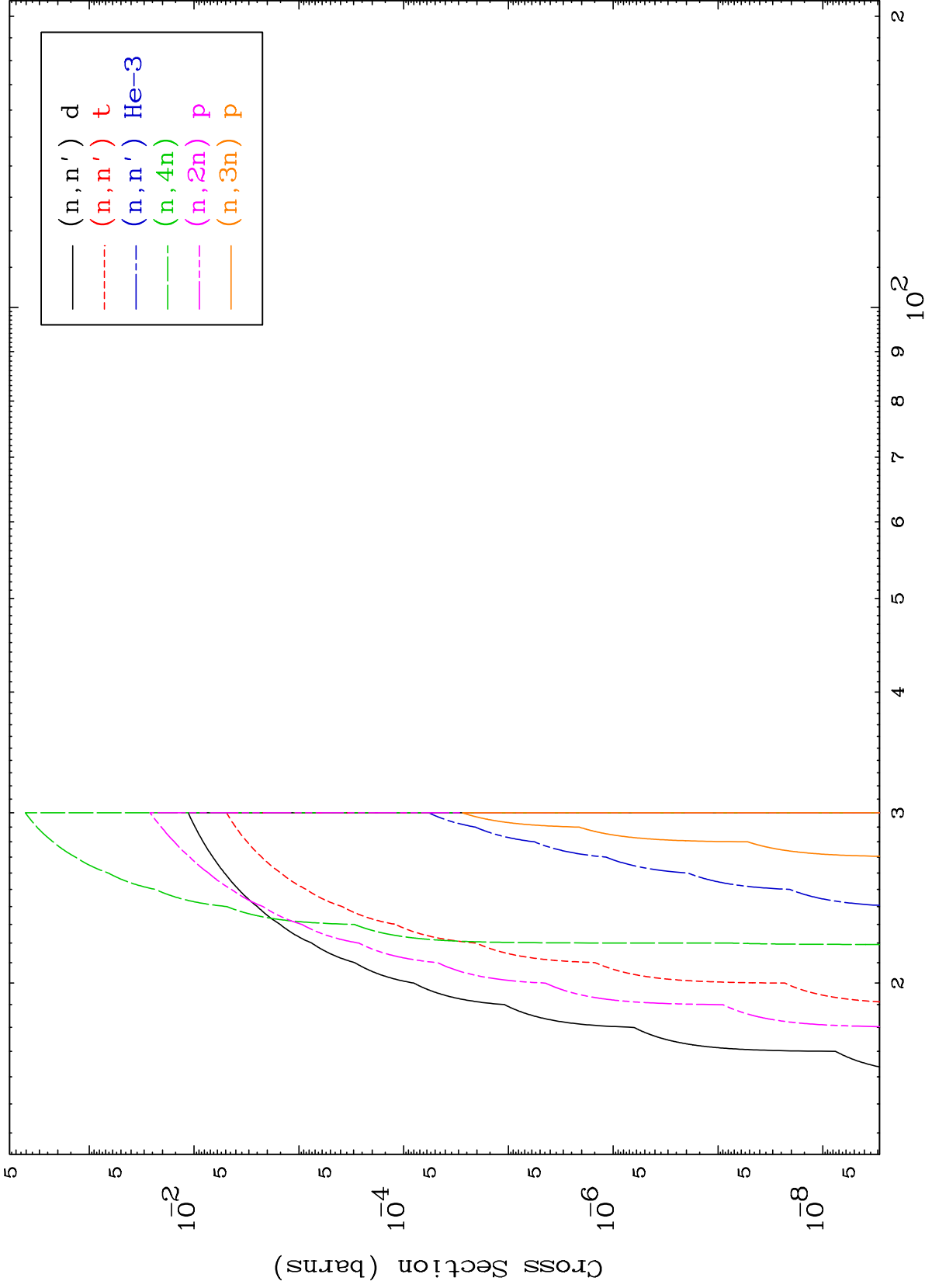
46-Pd-109

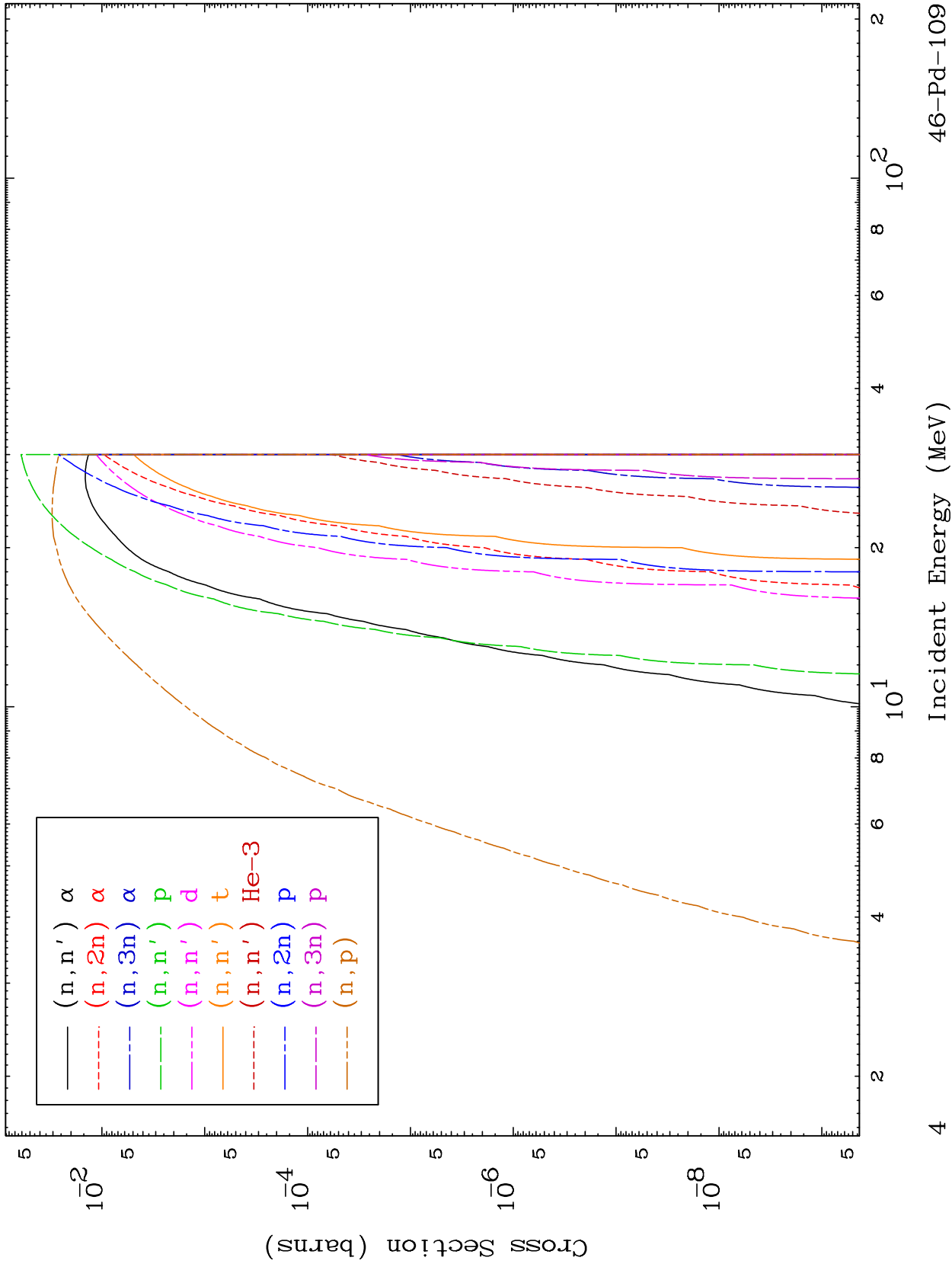


2

Incident Energy (MeV)

46-Pd-109

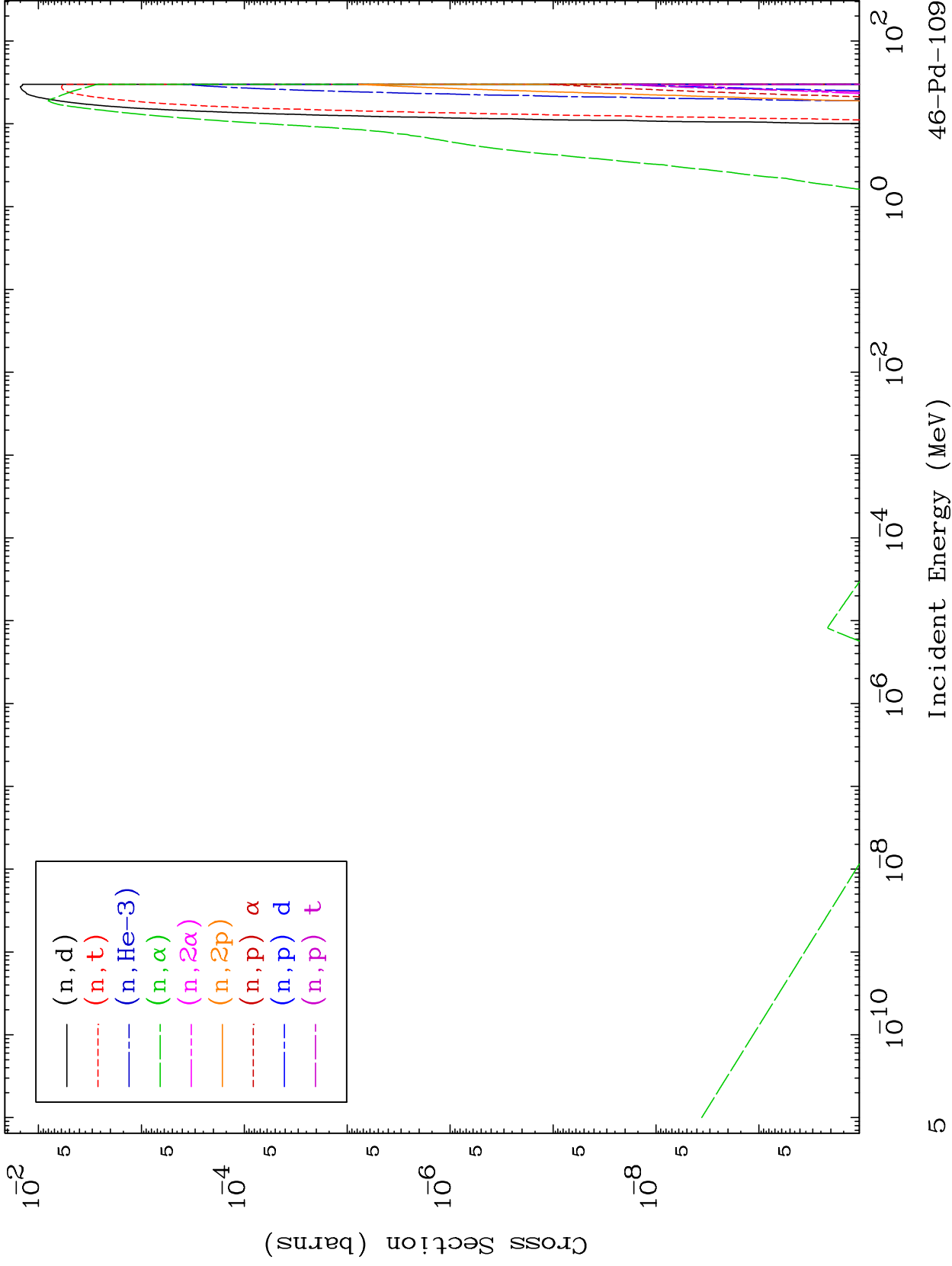




MAT 4647

Charged Particle
293 Kelvin Cross Sections

46-Pd-109



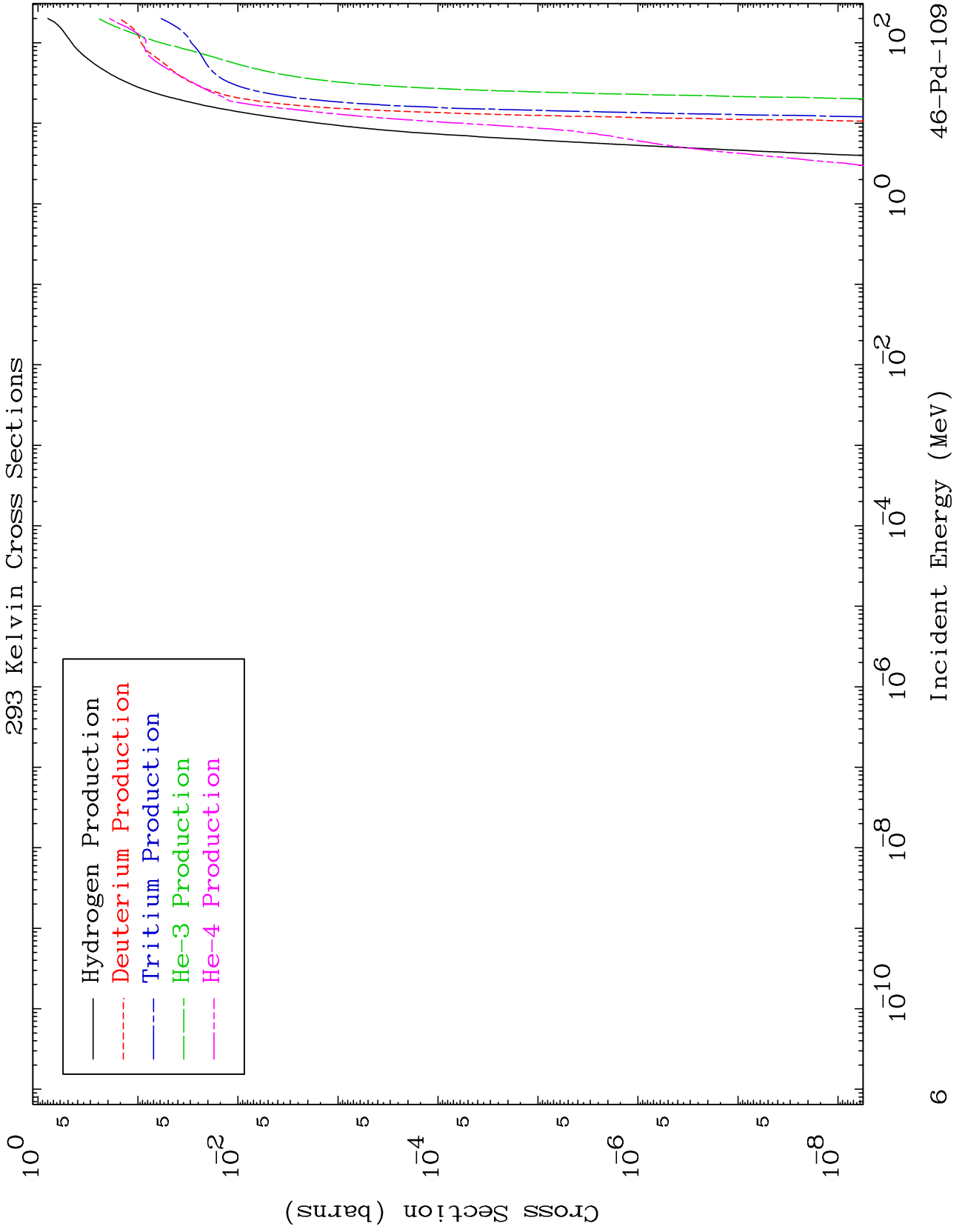
5

46-Pd-109

MAT 4647

Particle Production
293 Kelvin Cross Sections

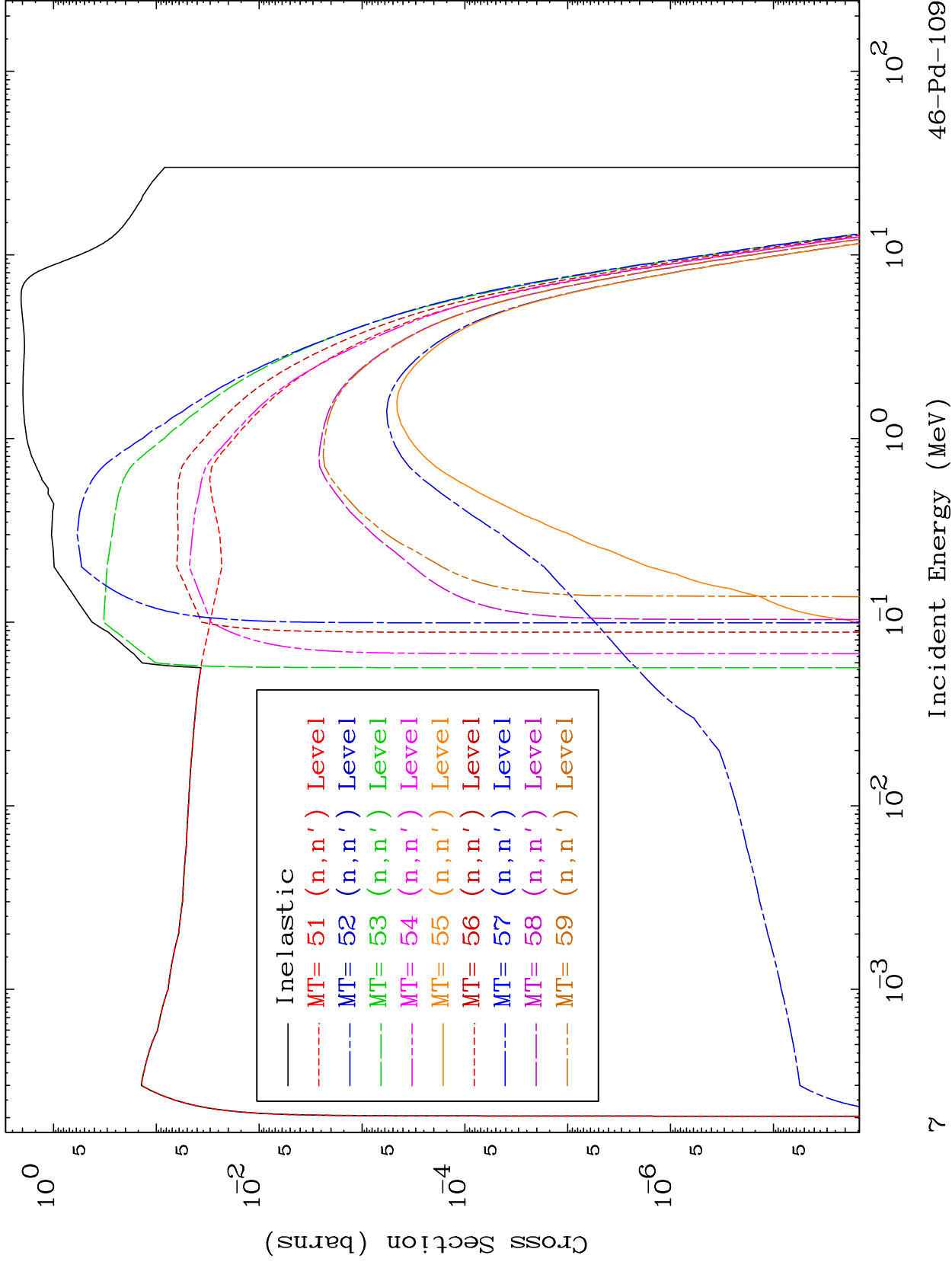
46-Pd-109



MAT 4647

(n,n') Level
293 Kelvin Cross Sections

46-Pd-109

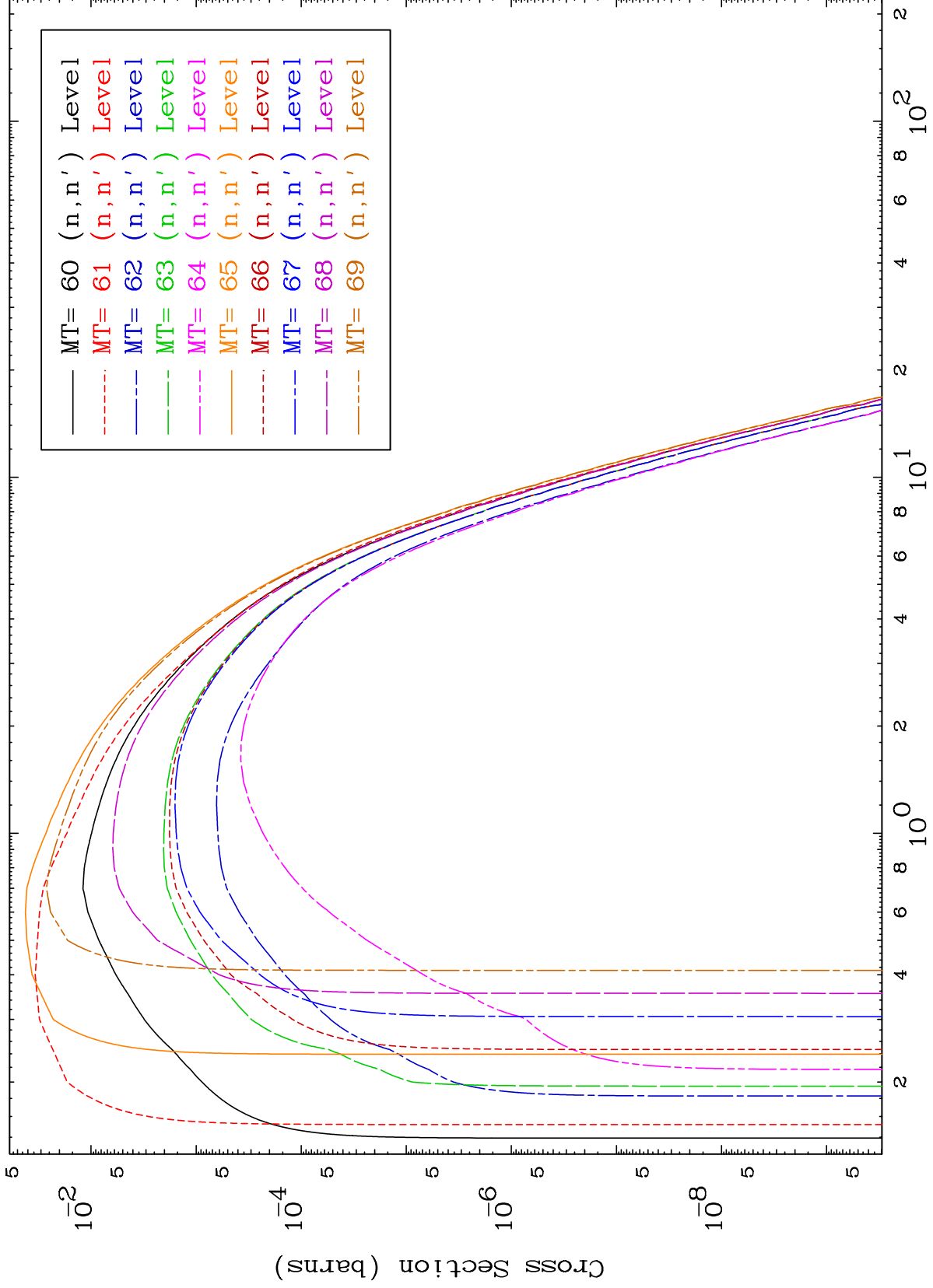


MAT 4647

(n,n') Level

46-Pd-109

293 Kelvin Cross Sections



8

Incident Energy (MeV)

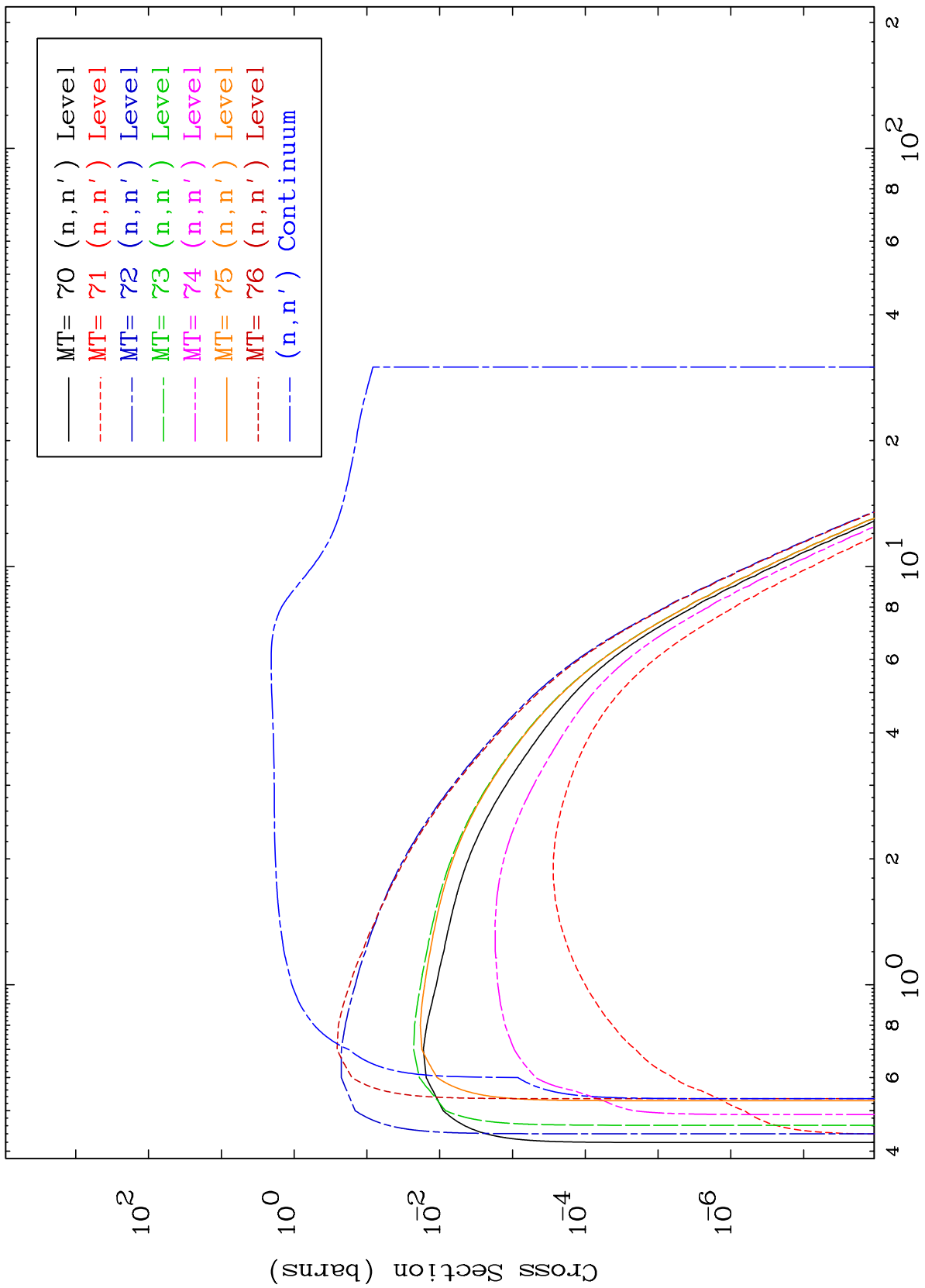
46-Pd-109

MAT 4647

(n,n') Level

46-Pd-109

293 Kelvin Cross Sections



9

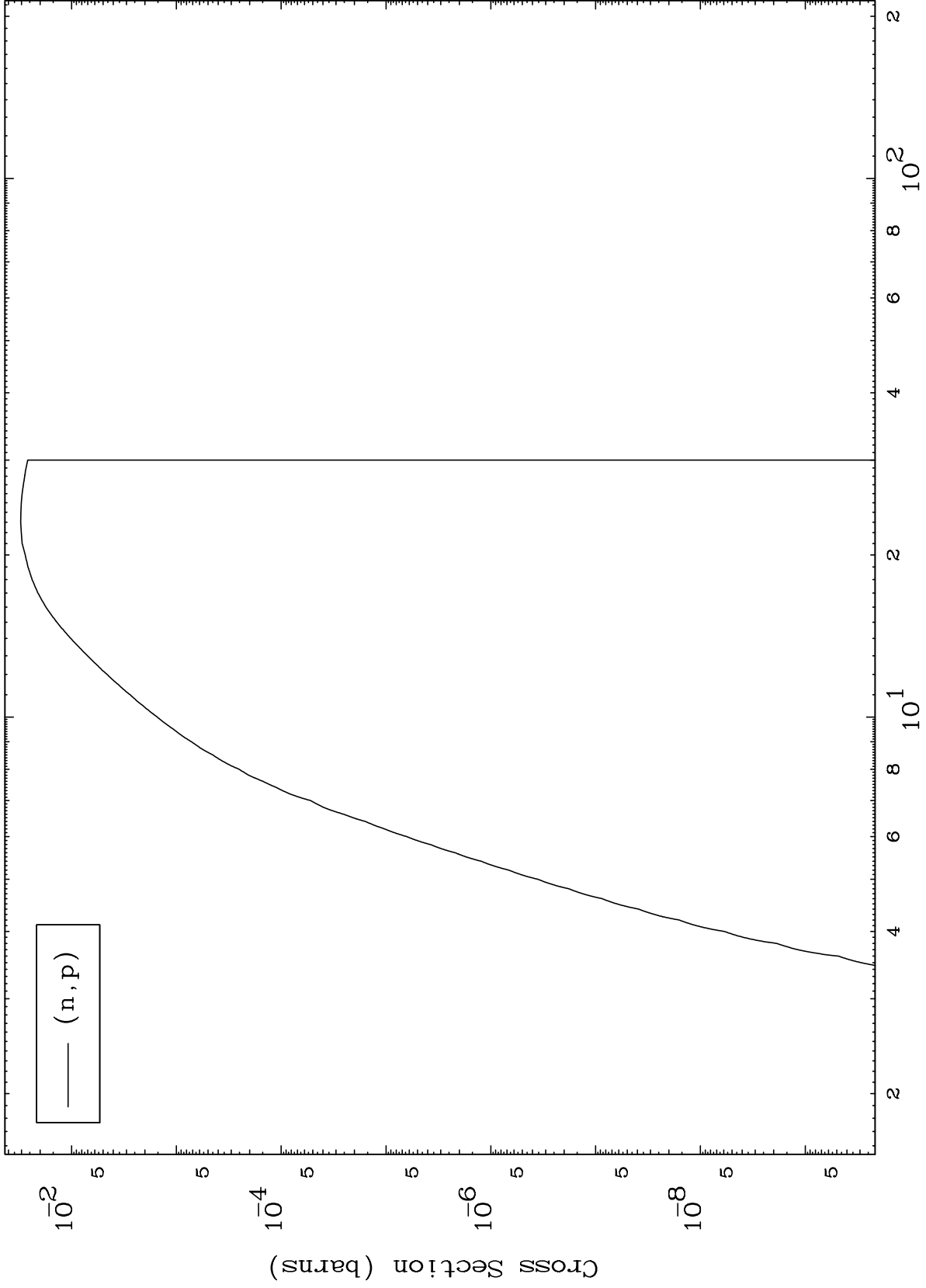
Incident Energy (MeV)

46-Pd-109

MAT 4647

(n,p) Levels
293 Kelvin Cross Sections

46-Pd-109



10

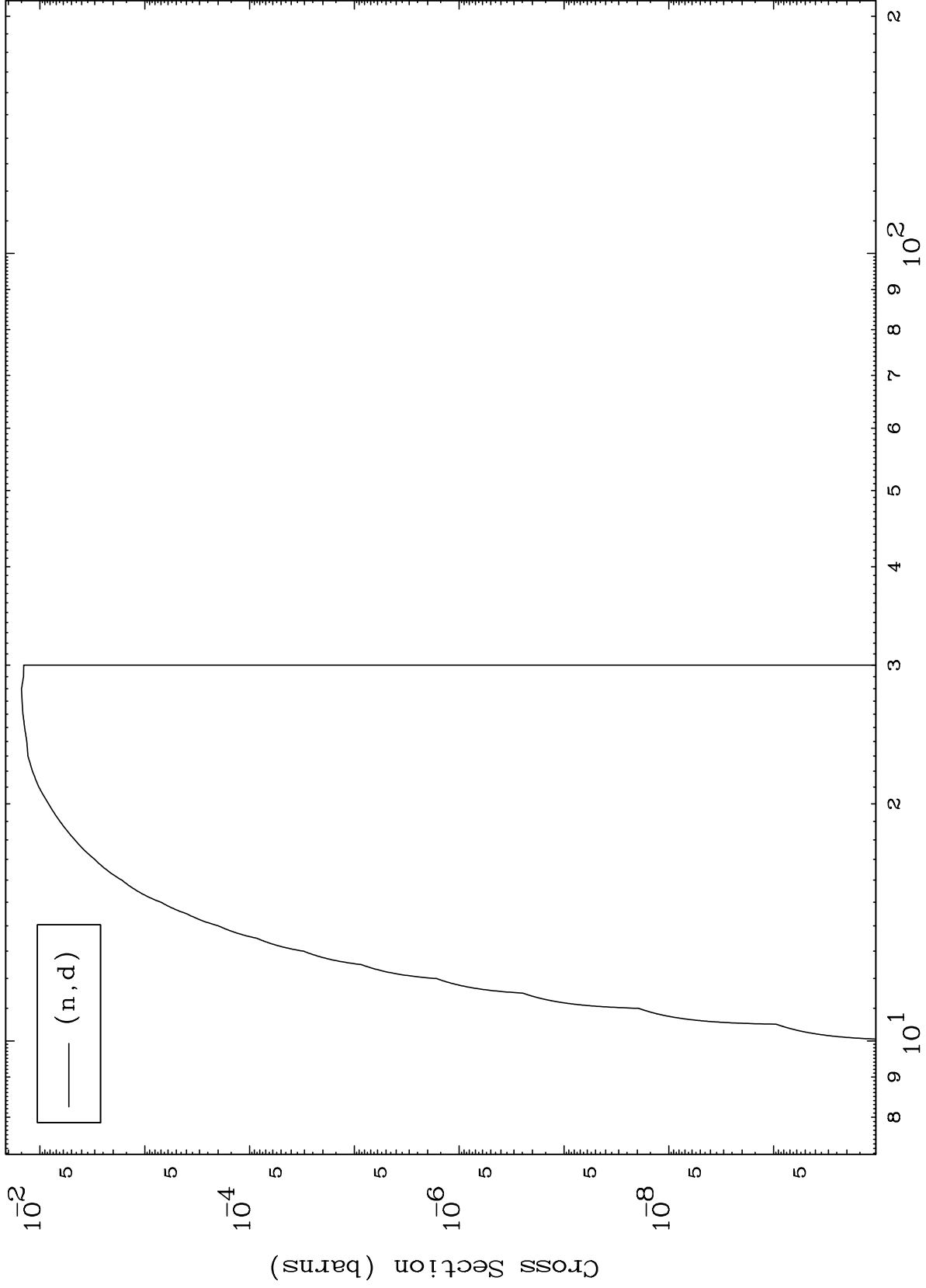
Incident Energy (MeV)

46-Pd-109

MAT 4647

(n,d) Levels
293 Kelvin Cross Sections

46-Pd-109



11

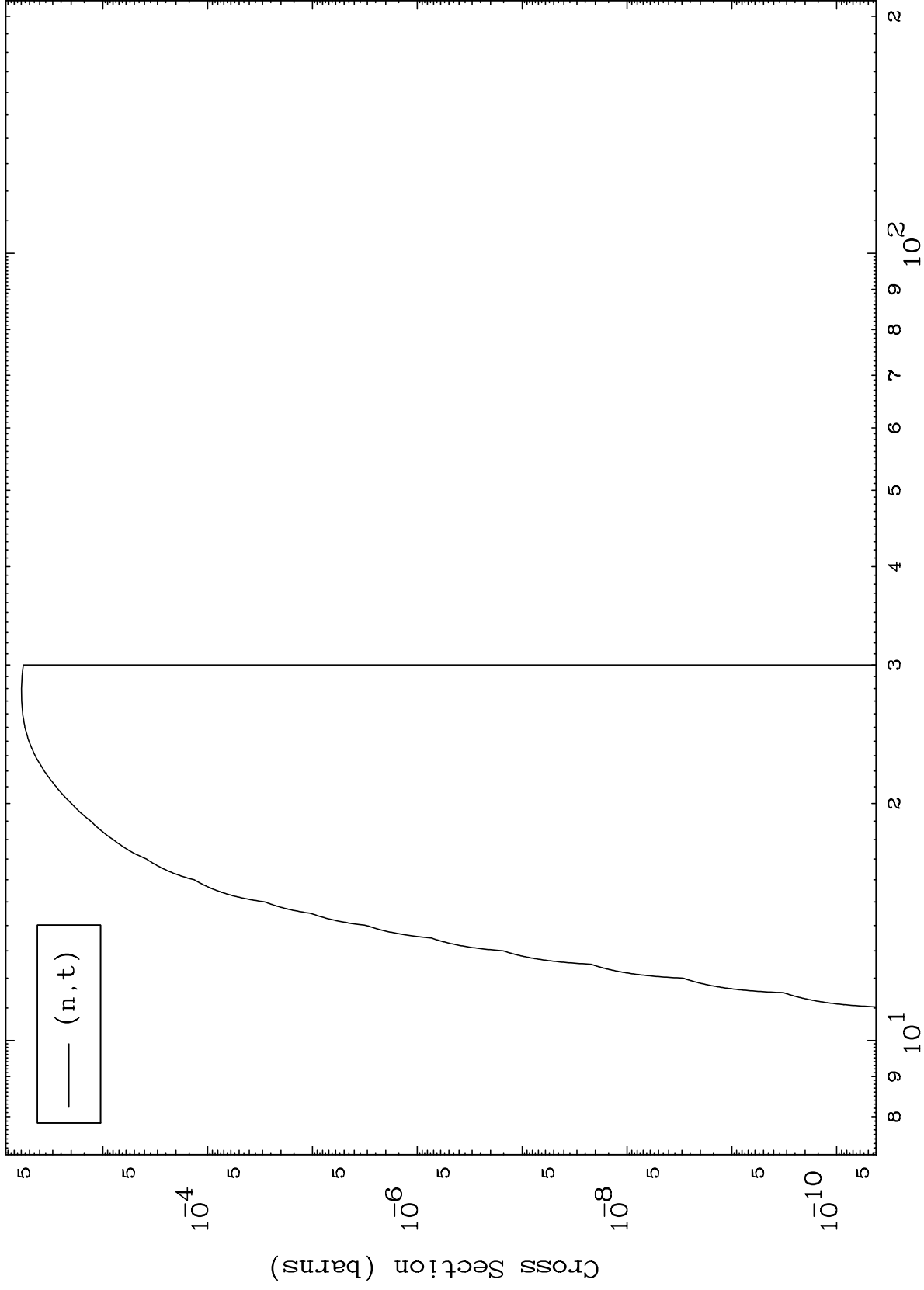
Incident Energy (MeV)

46-Pd-109

MAT 4647

(n,t) Levels
293 Kelvin Cross Sections

46-Pd-109



12

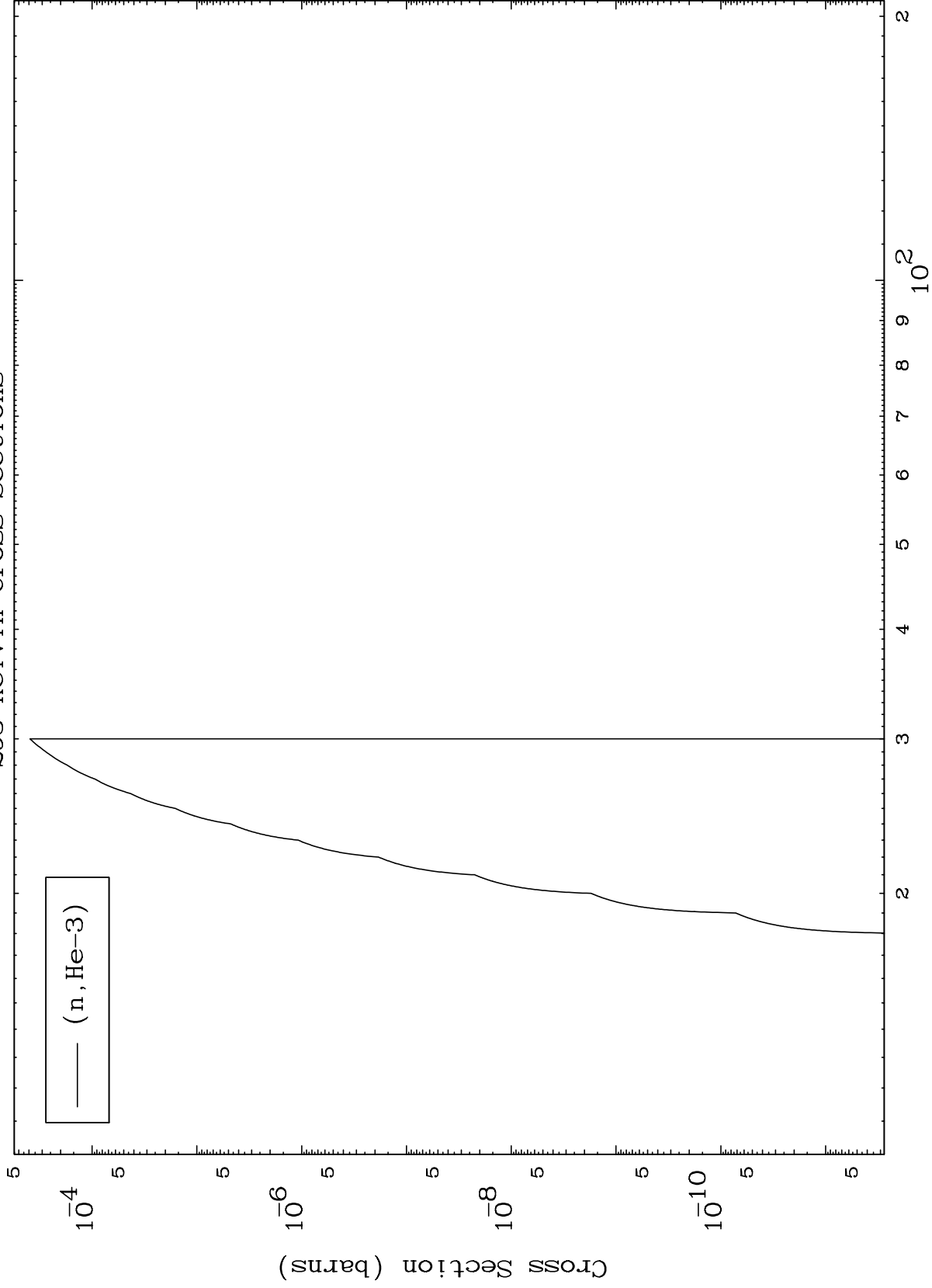
Incident Energy (MeV)

46-Pd-109

MAT 4647

(n,He3) Levels
293 Kelvin Cross Sections

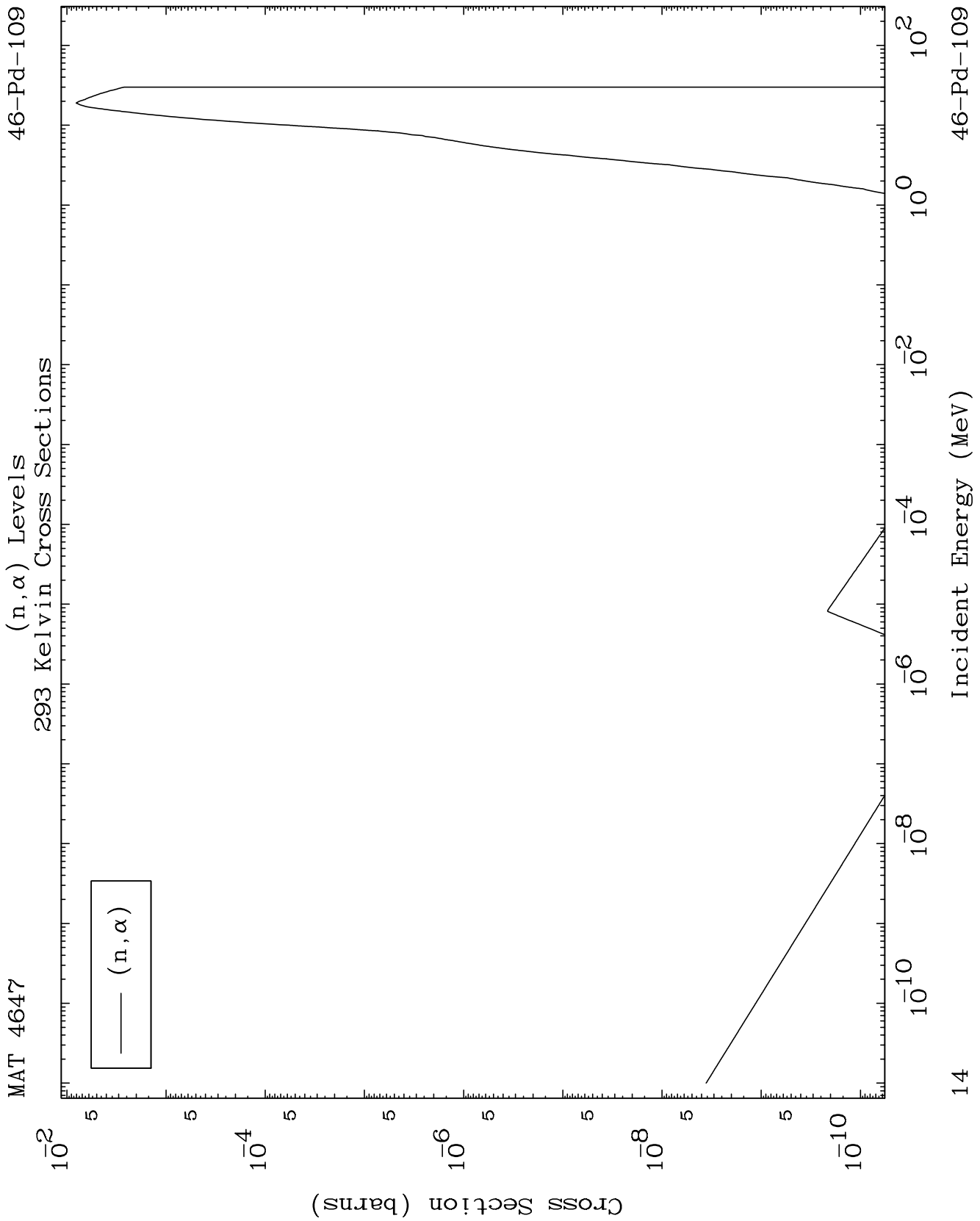
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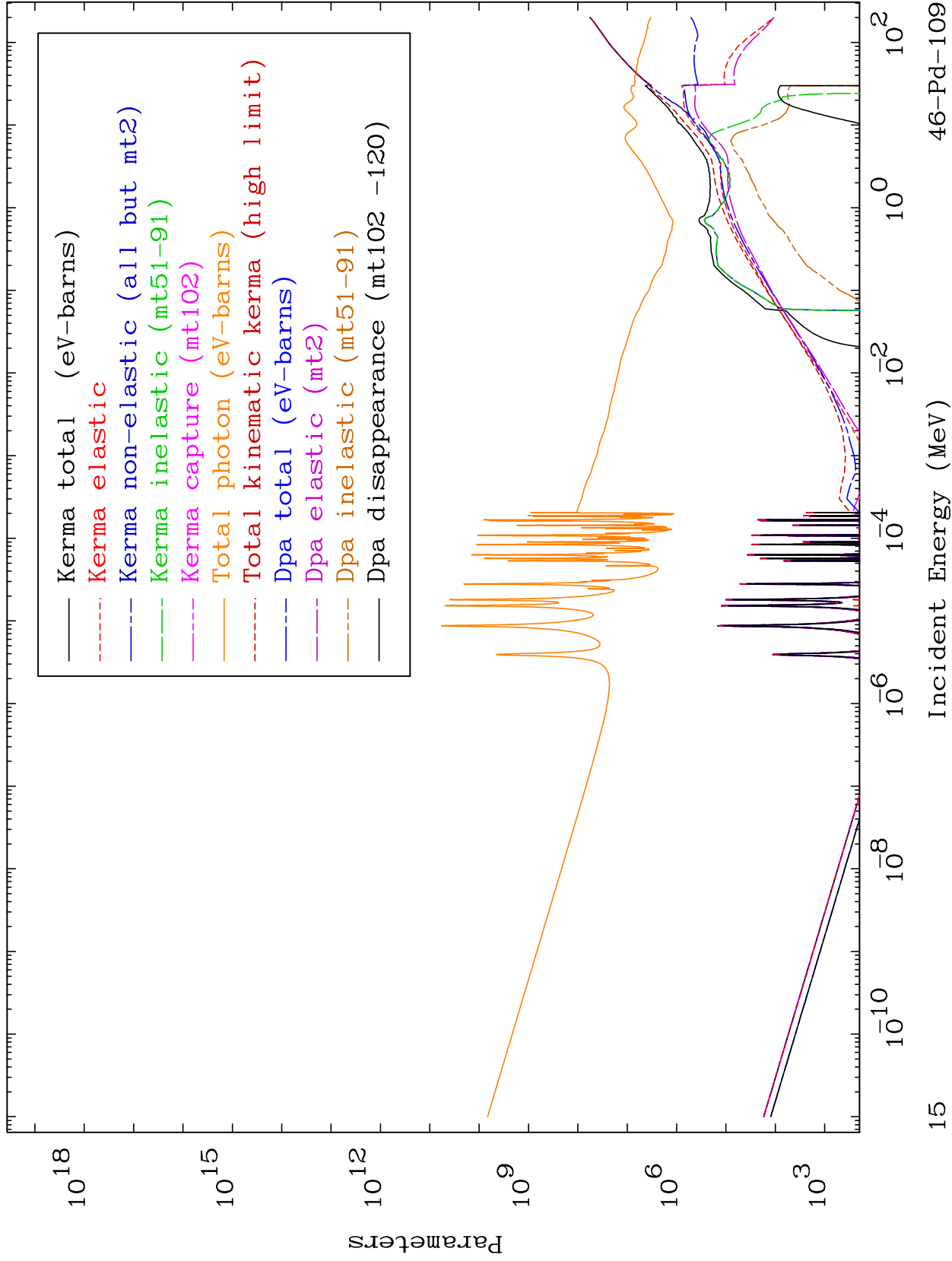


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Incident Energy (MeV)

46-Pd-109

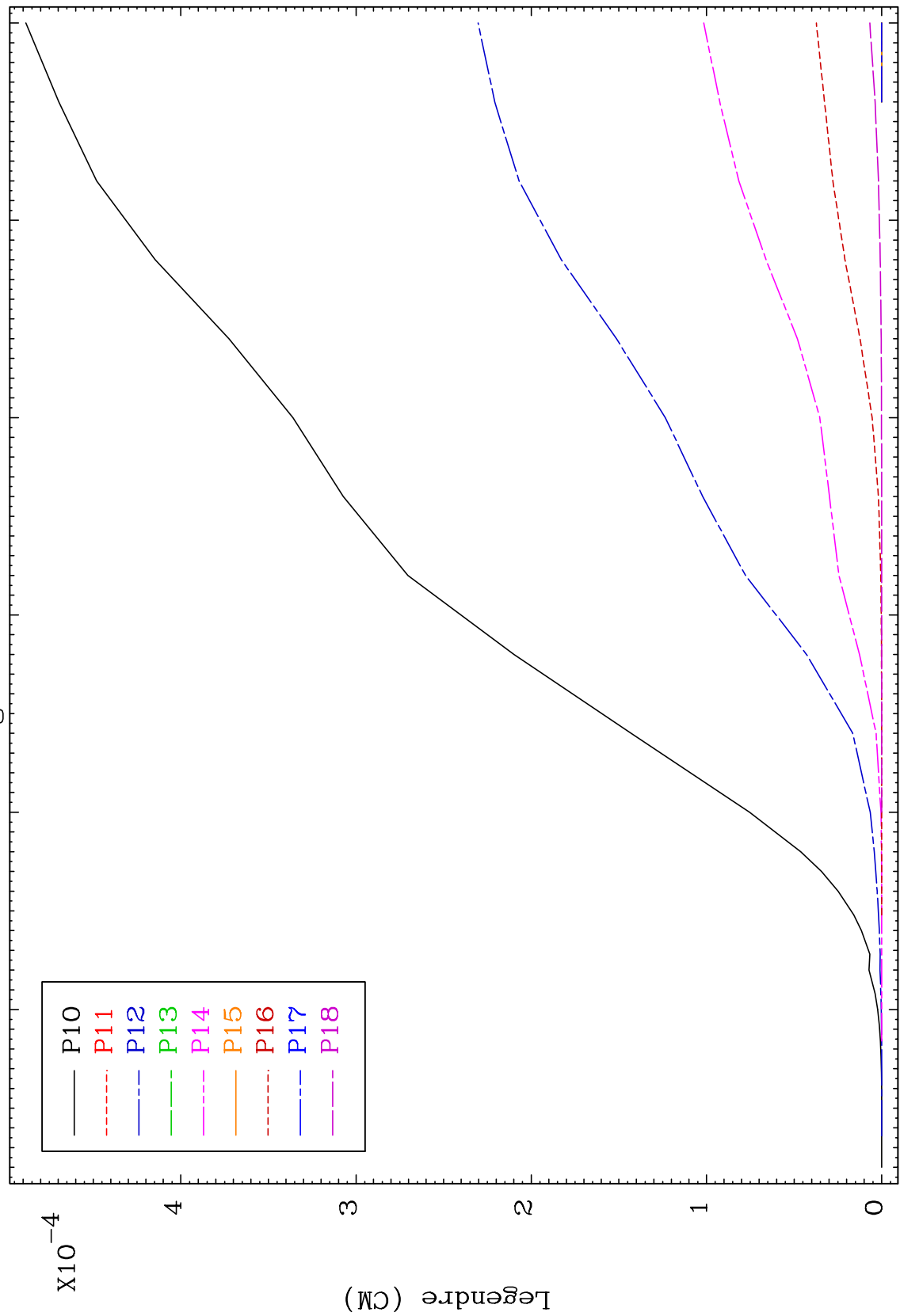




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Elastic Legendre Coefficients

46-Pd-109



17

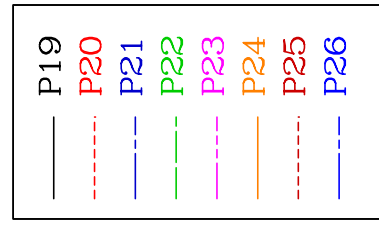
Incident Energy (MeV)

46-Pd-109

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Elastic
Legendre Coefficients

46-Pd-109



$\times 10^{-7}$

Legendre (CM)

3

2

1

0

15

20

25

30

18

Incident Energy (MeV)

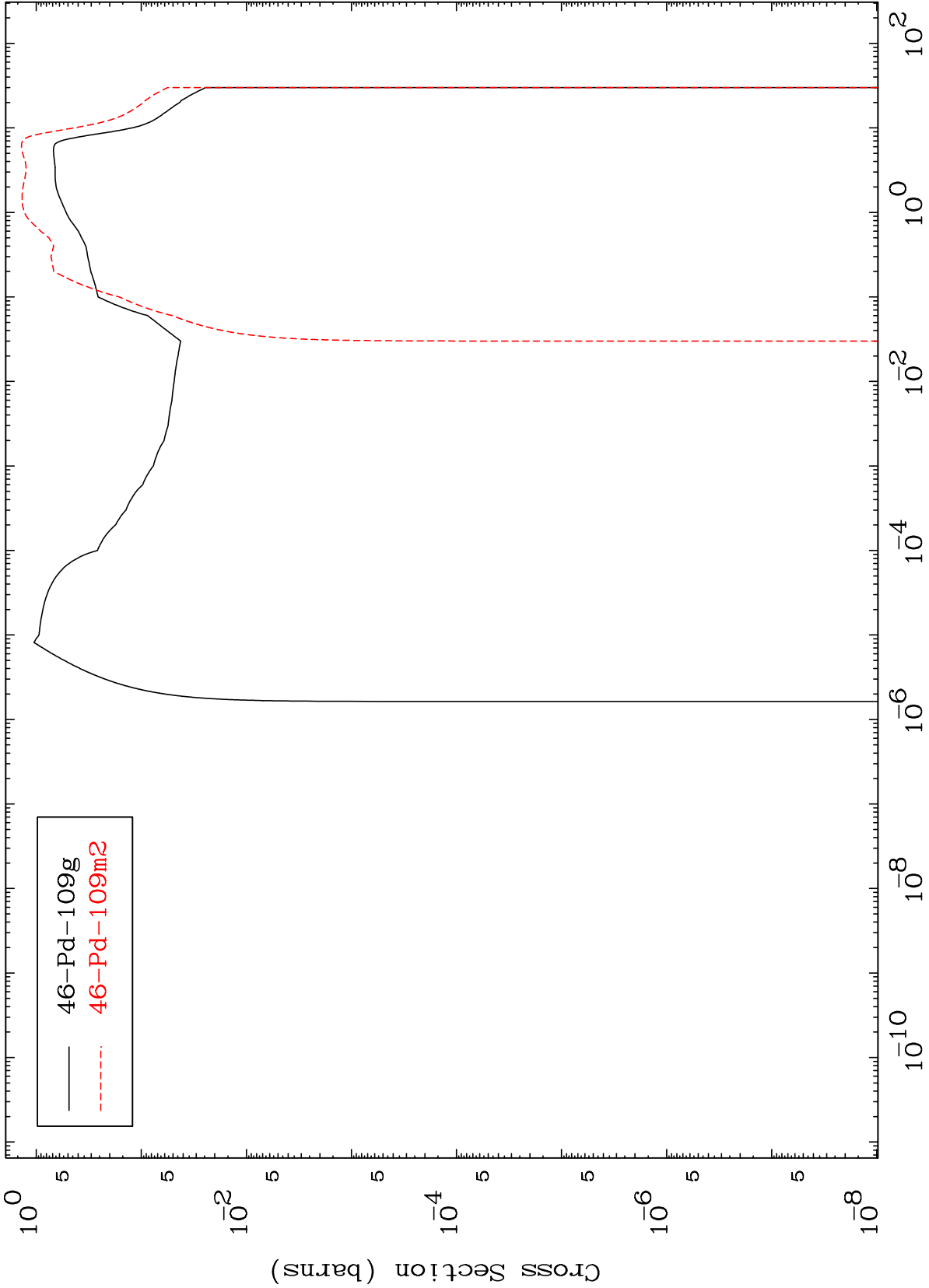
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46-Pd-109

Inelastic
Radionuclide Production Cross Section

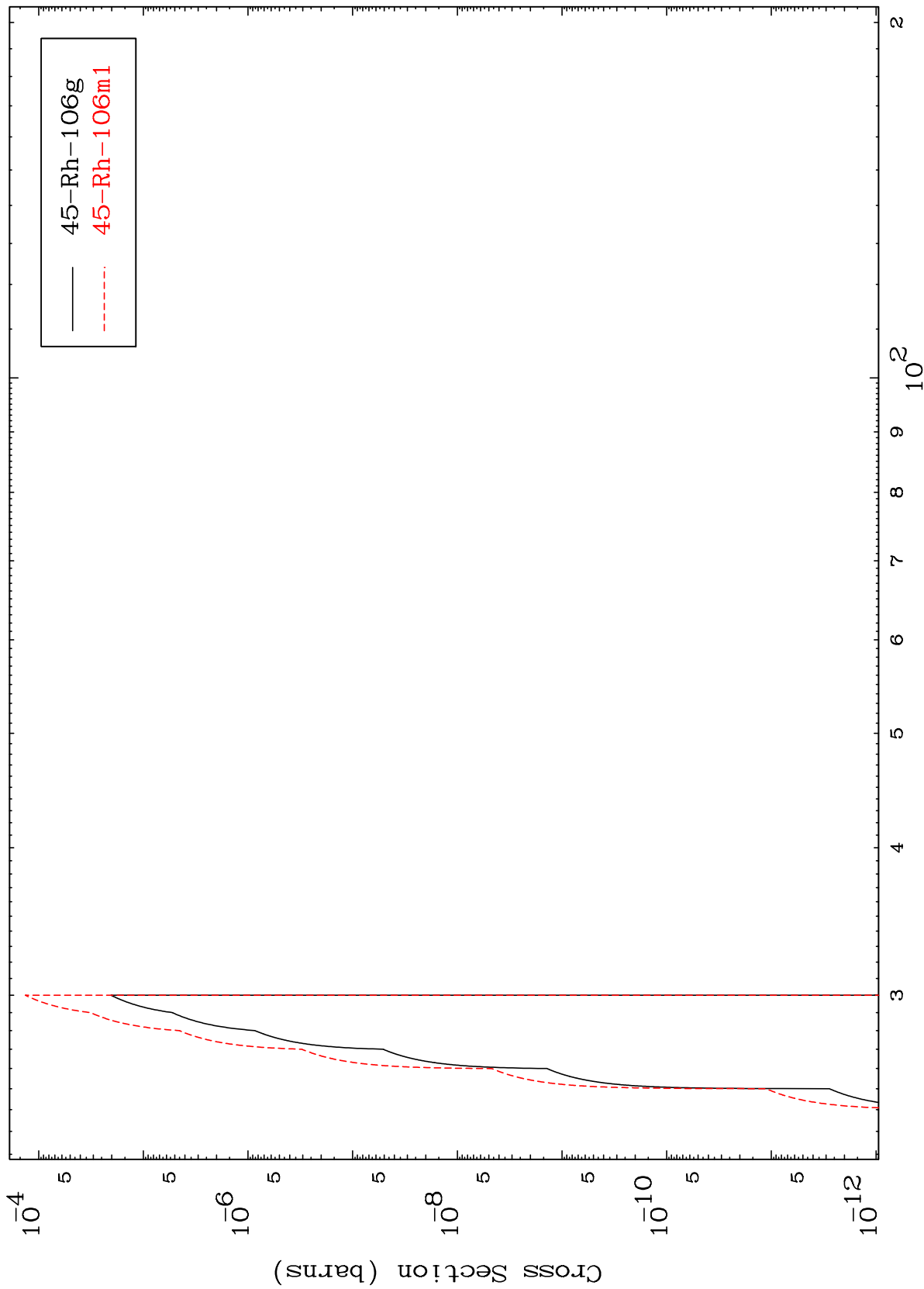


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(n,2n) d

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Radionuclide Production Cross Section



45-Rh-106g
45-Rh-106m1

20

Incident Energy (MeV)

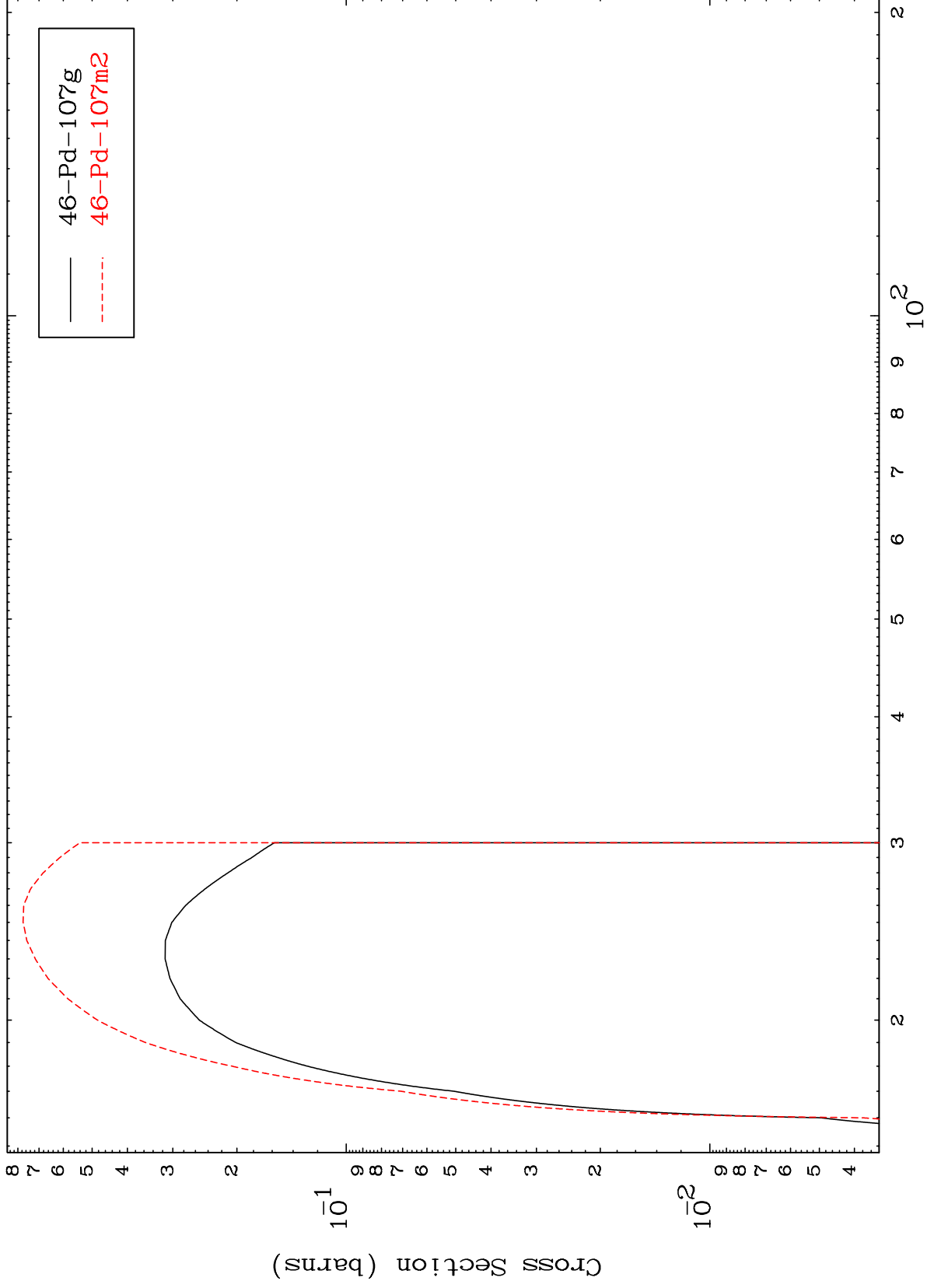
46-Pd-109

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(n,3n)

46-Pd-109

Radionuclide Production Cross Section



21

Incident Energy (MeV)

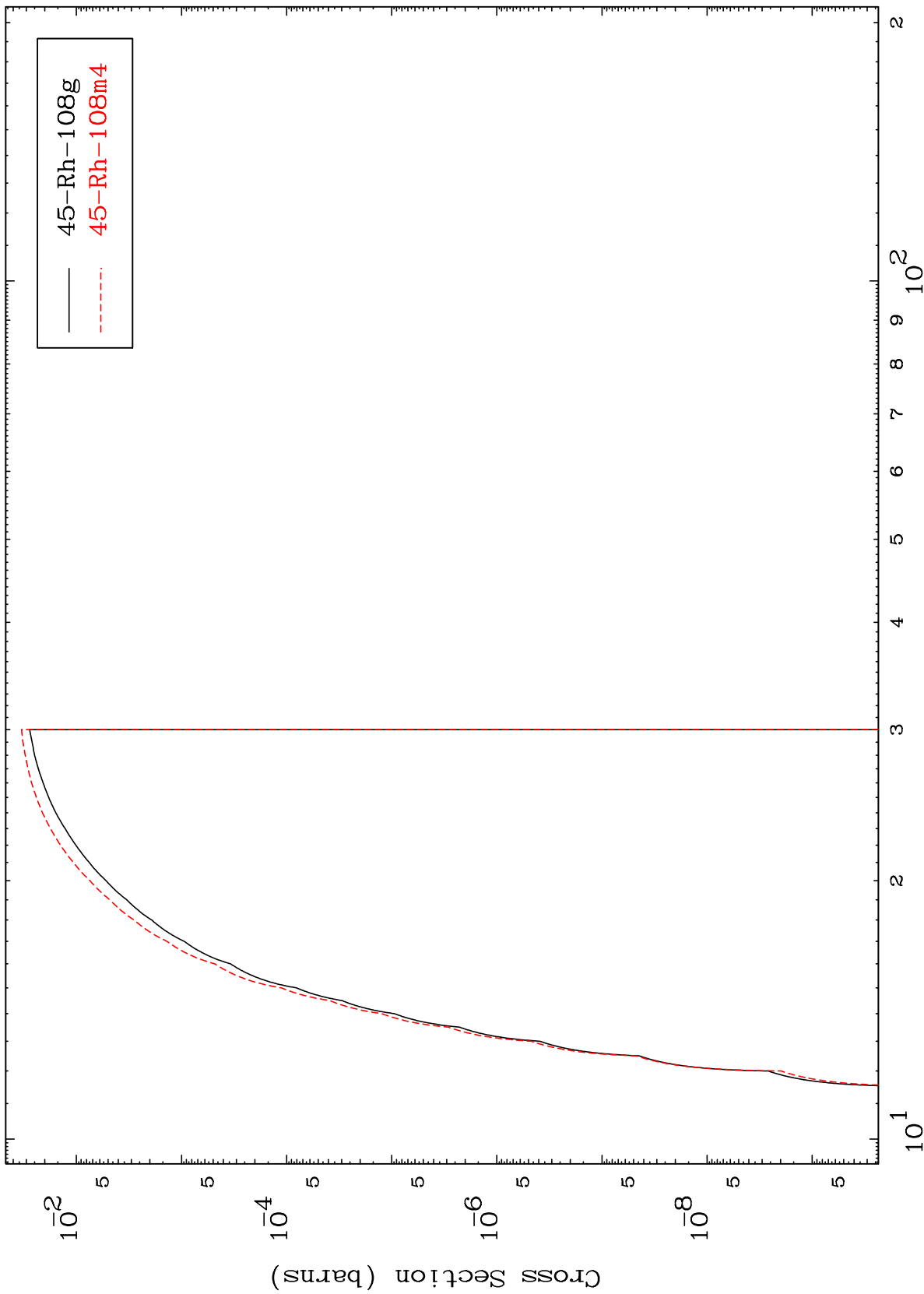
46-Pd-109

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(n,n') p

46-Pd-109

Radionuclide Production Cross Section



Incident Energy (MeV)

46-Pd-109

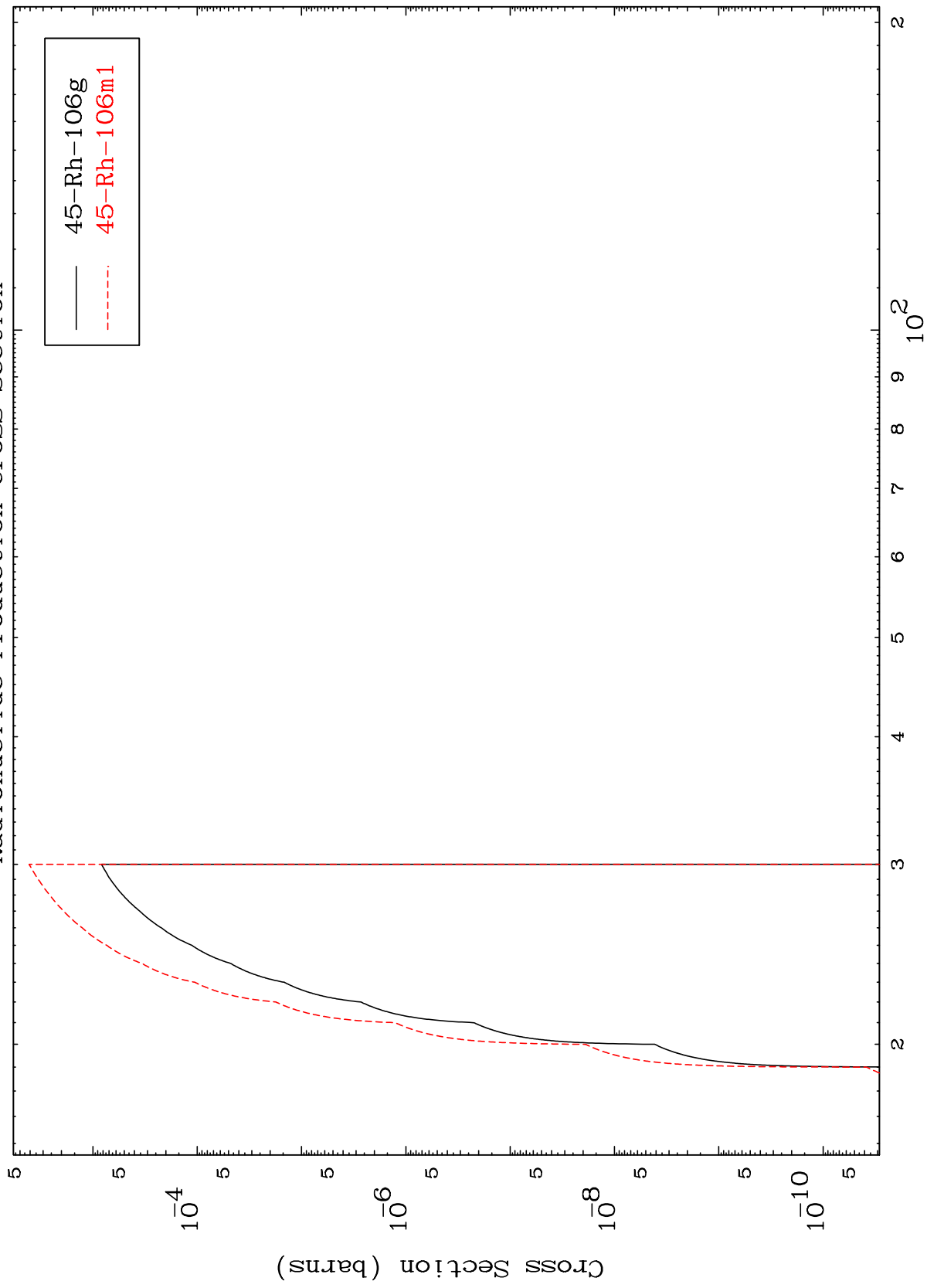
22

MAT 4647

(n,n') t

46-Pd-109

Radionuclide Production Cross Section



23

Incident Energy (MeV)

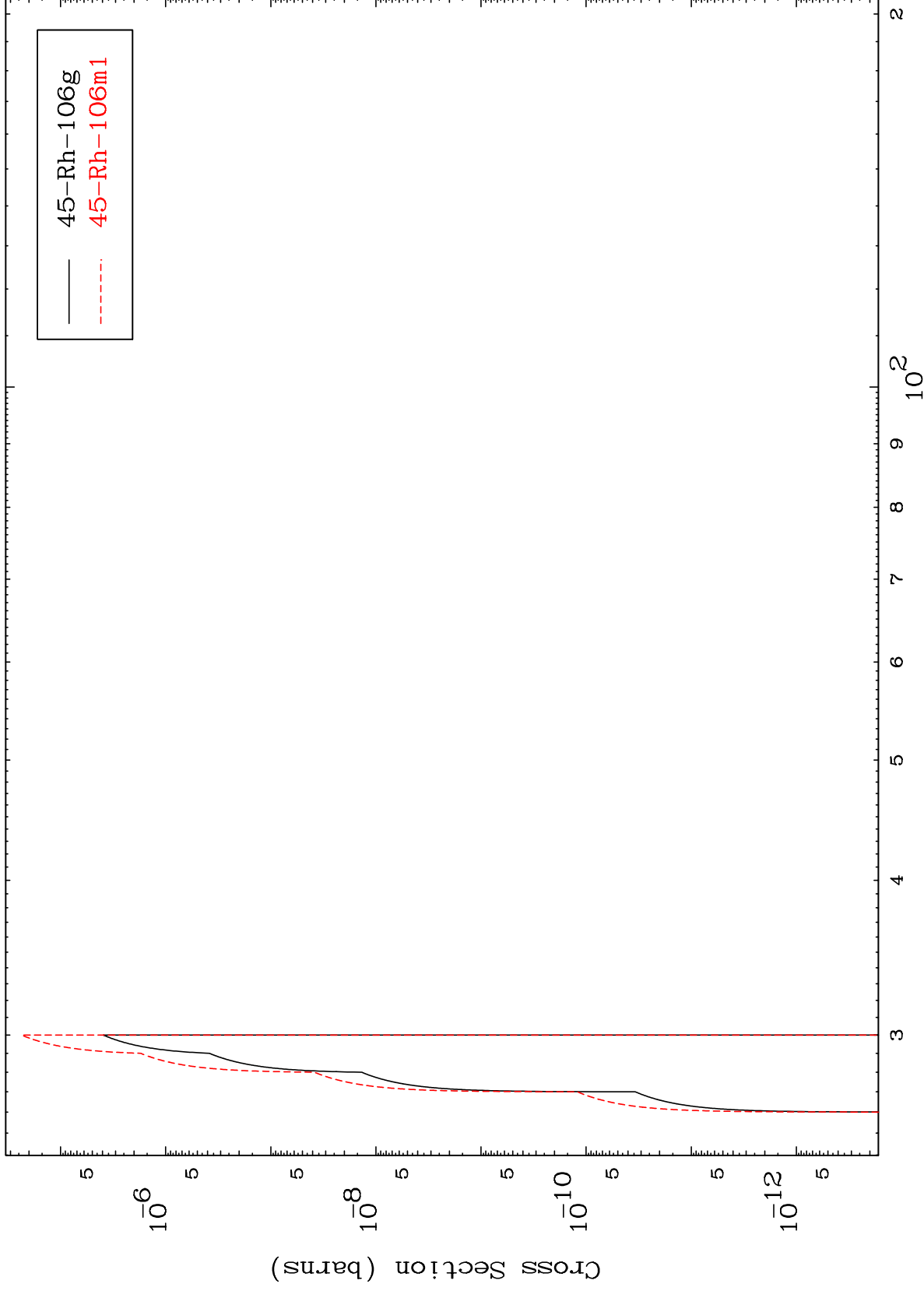
46-Pd-109

MAT 4647

(n,3n) p

46-Pd-109

Radionuclide Production Cross Section



24

Incident Energy (MeV)

46-Pd-109

