

Program EVALPLOT
(Version 2021-1)

by

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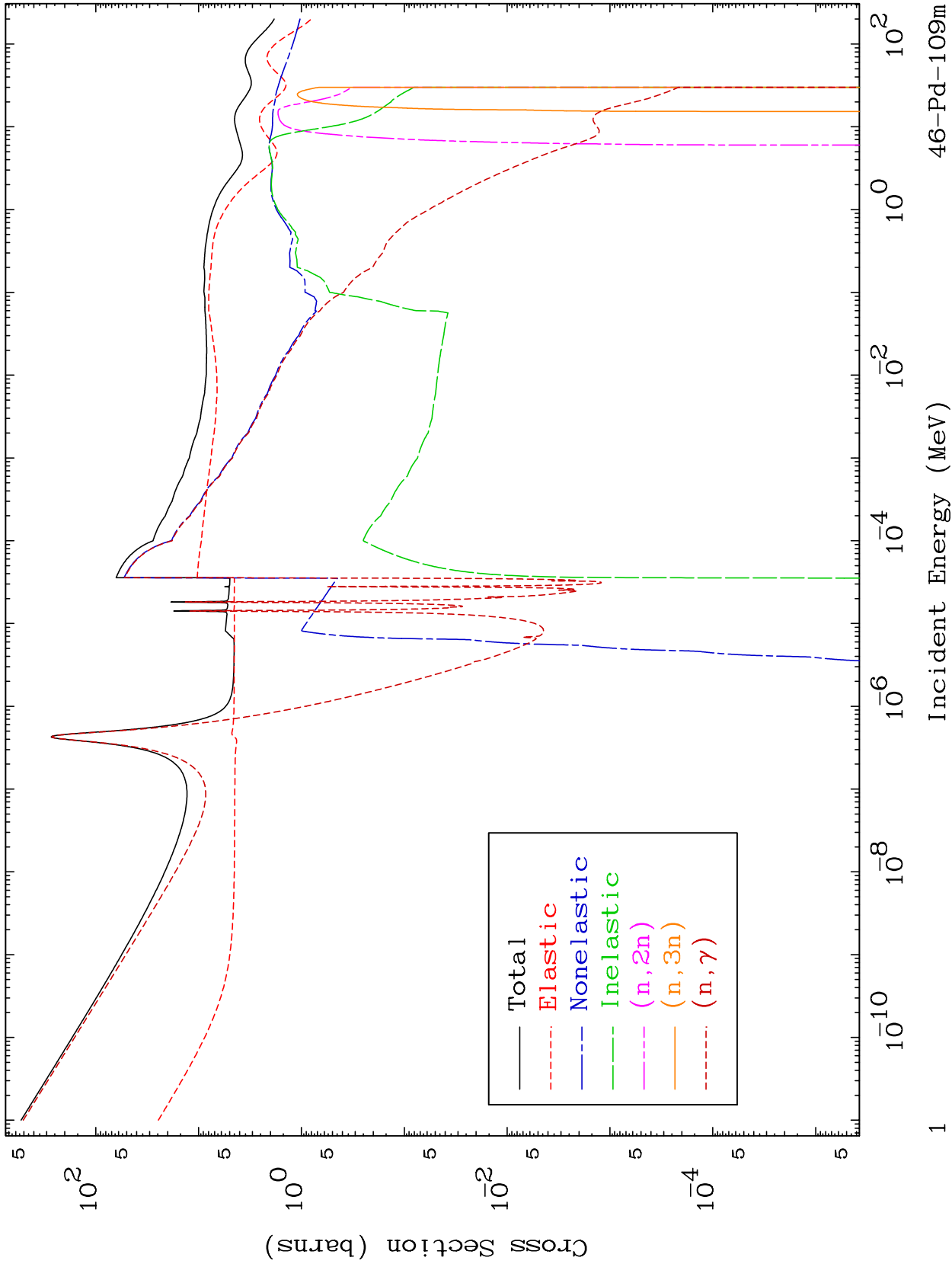
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4647

Neutron Major
293 Kelvin Cross Sections

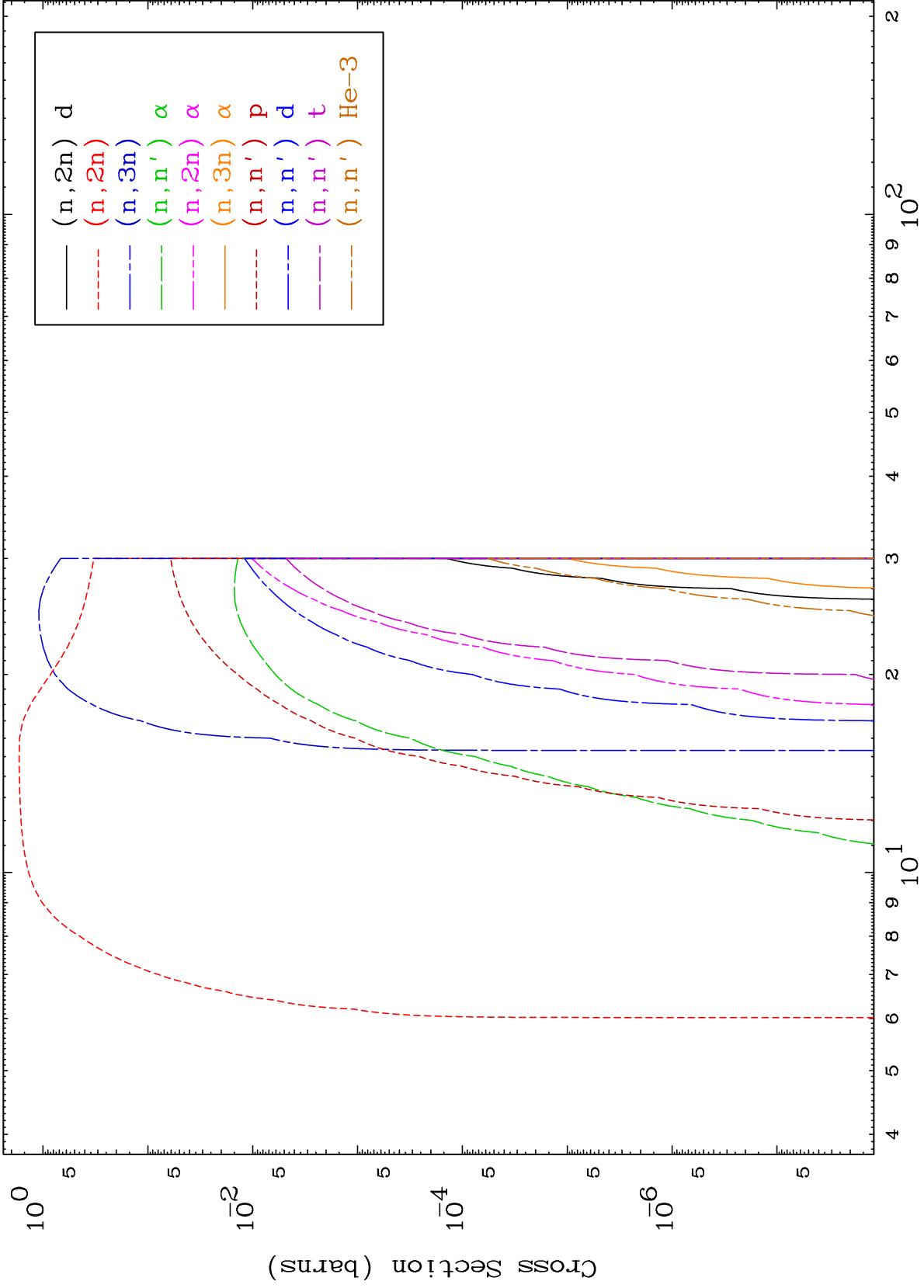
46-Pd-109m



MAT 4647

Neutron Absorption
293 Kelvin Cross Sections

46-Pd-109m



2

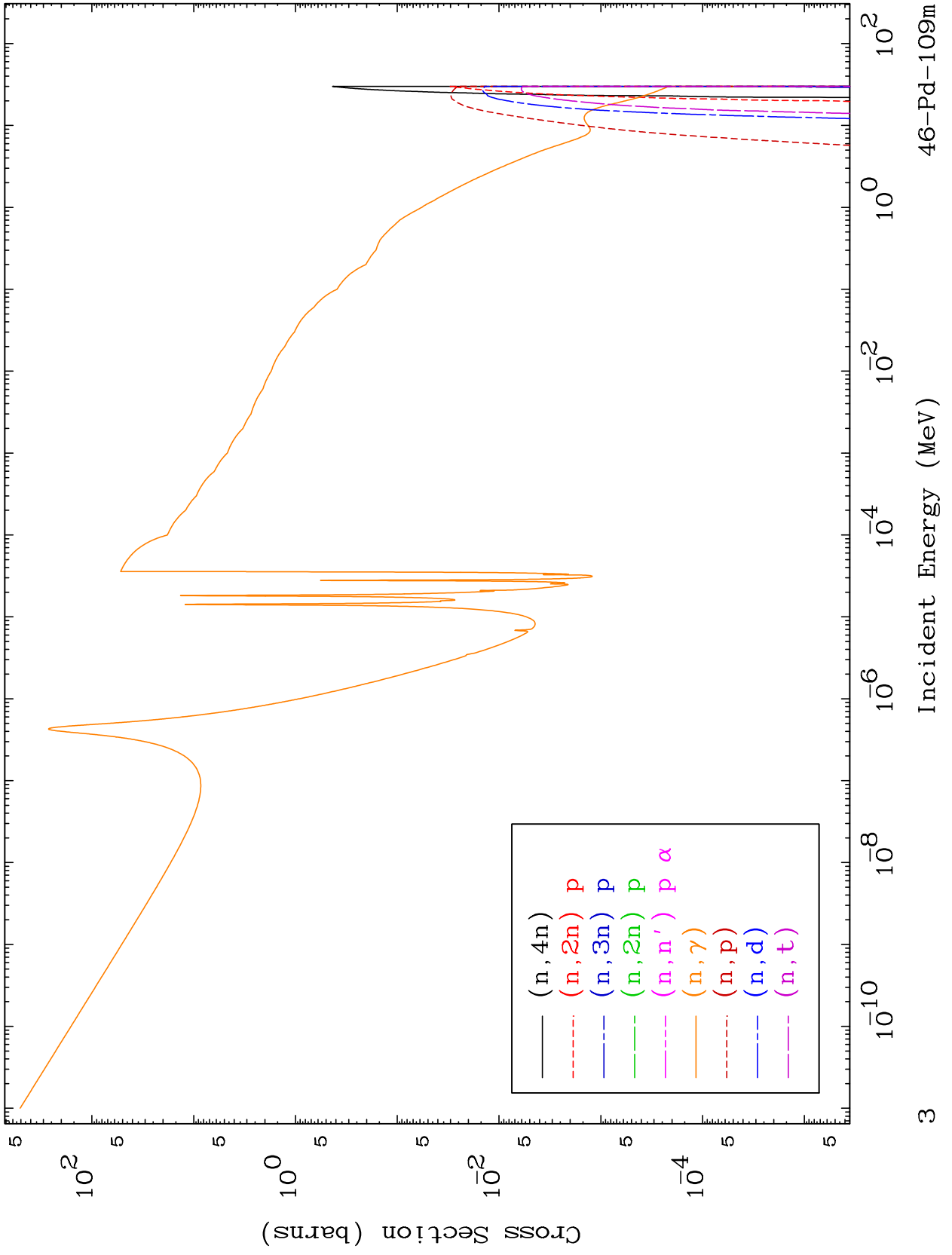
Incident Energy (MeV)

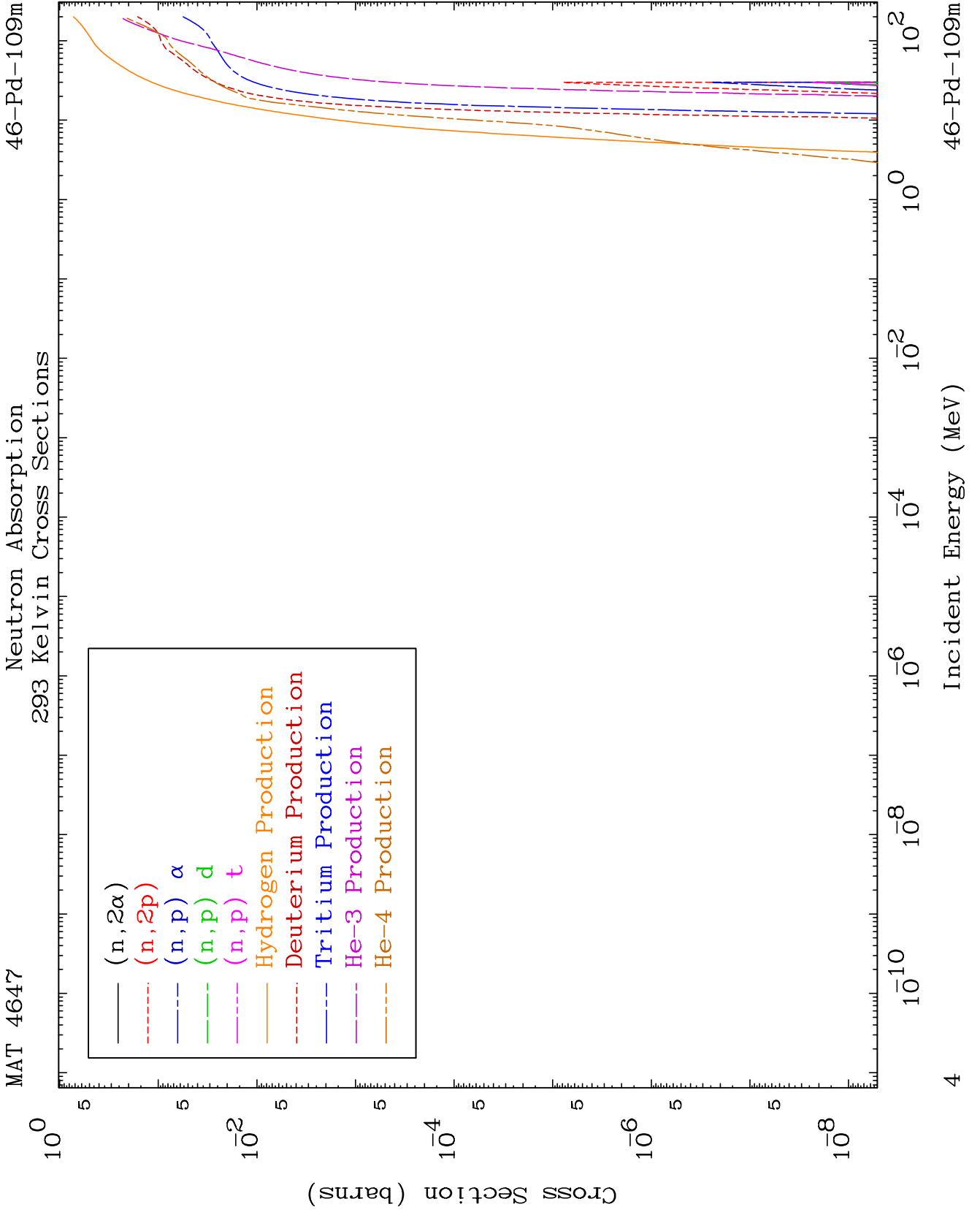
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MAT 4647

Neutron Absorption
293 Kelvin Cross Sections

46-Pd-109m

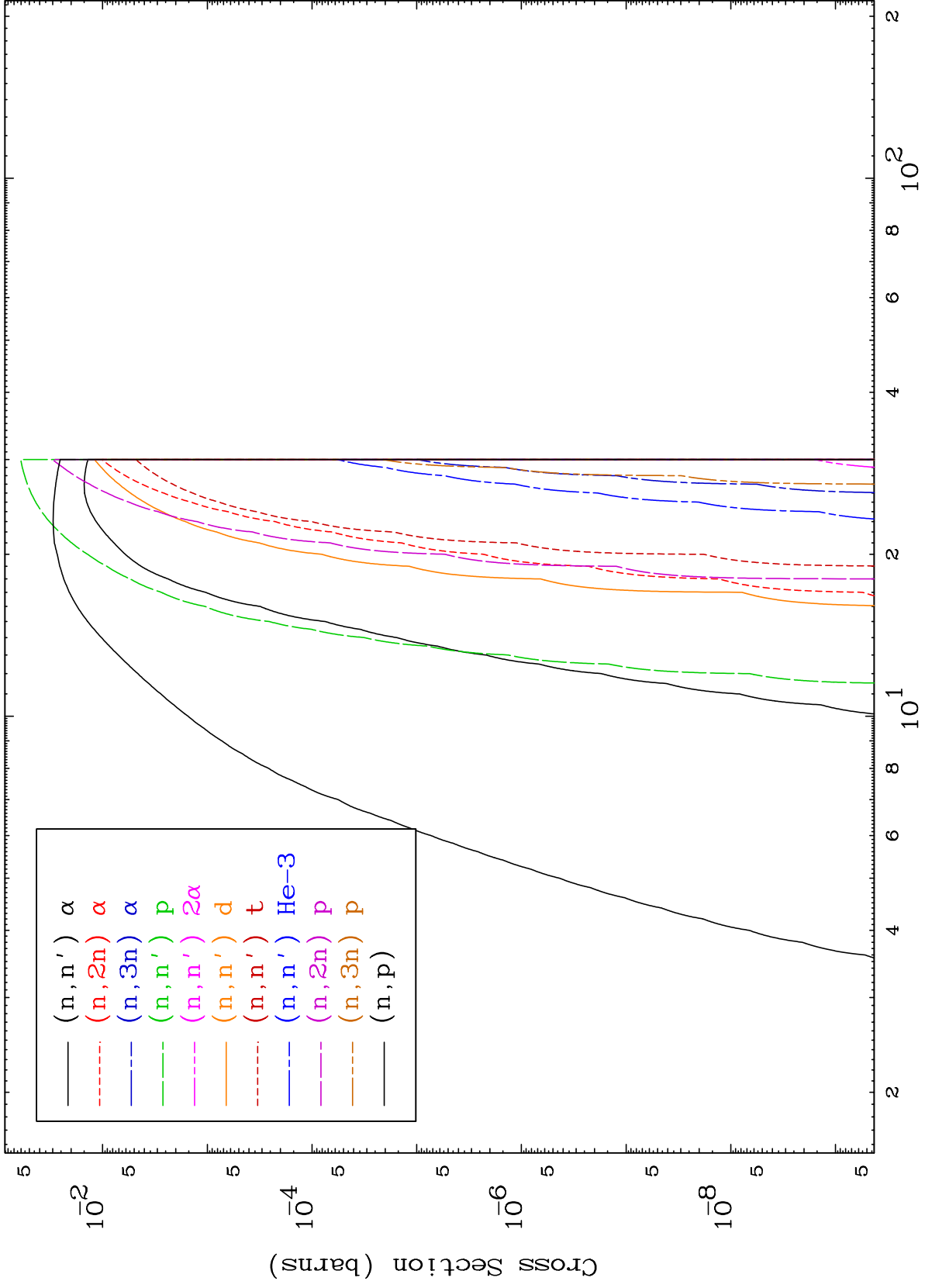




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Charged Particle
293 Kelvin Cross Sections

46-Pd-109m



5

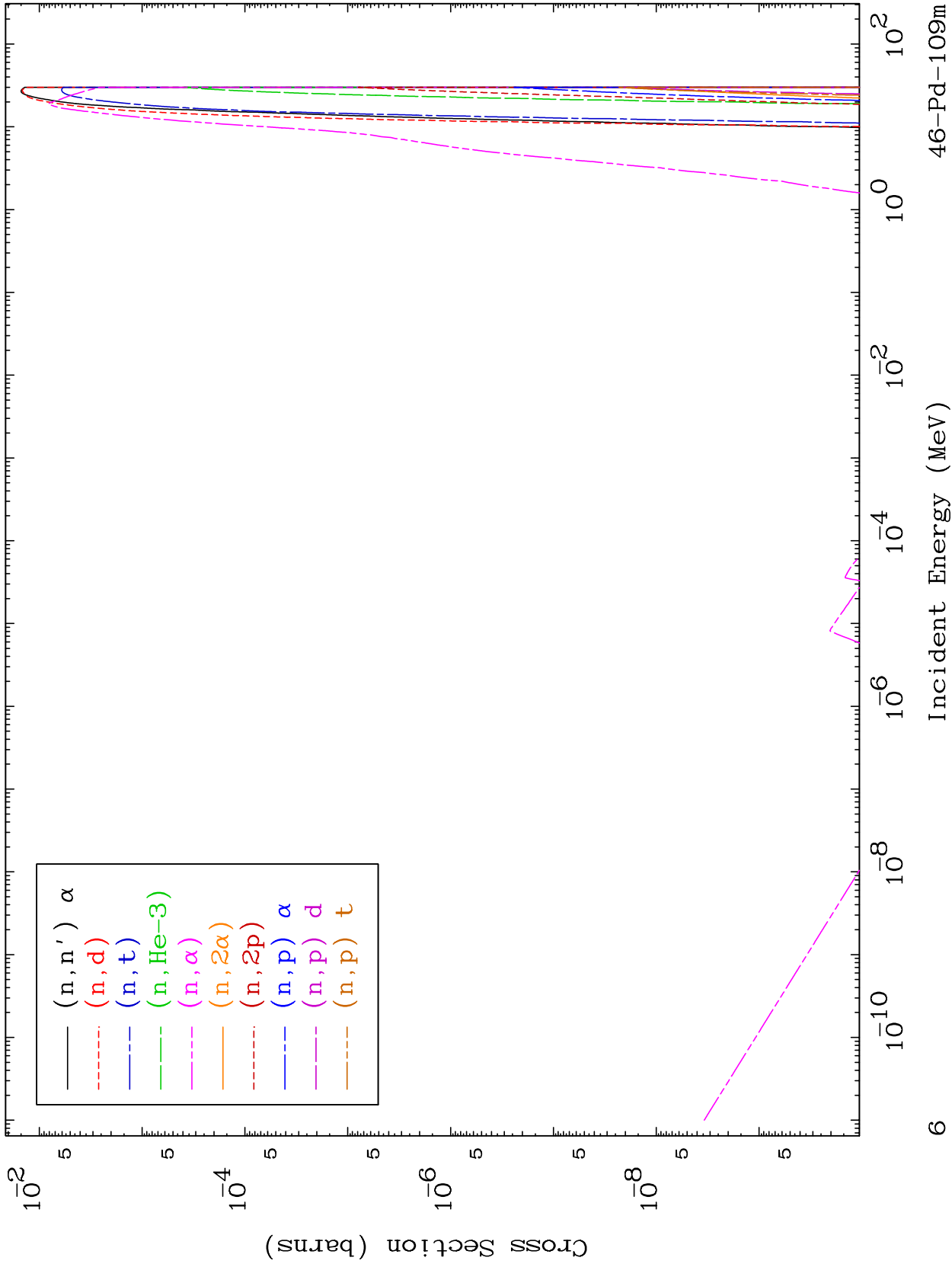
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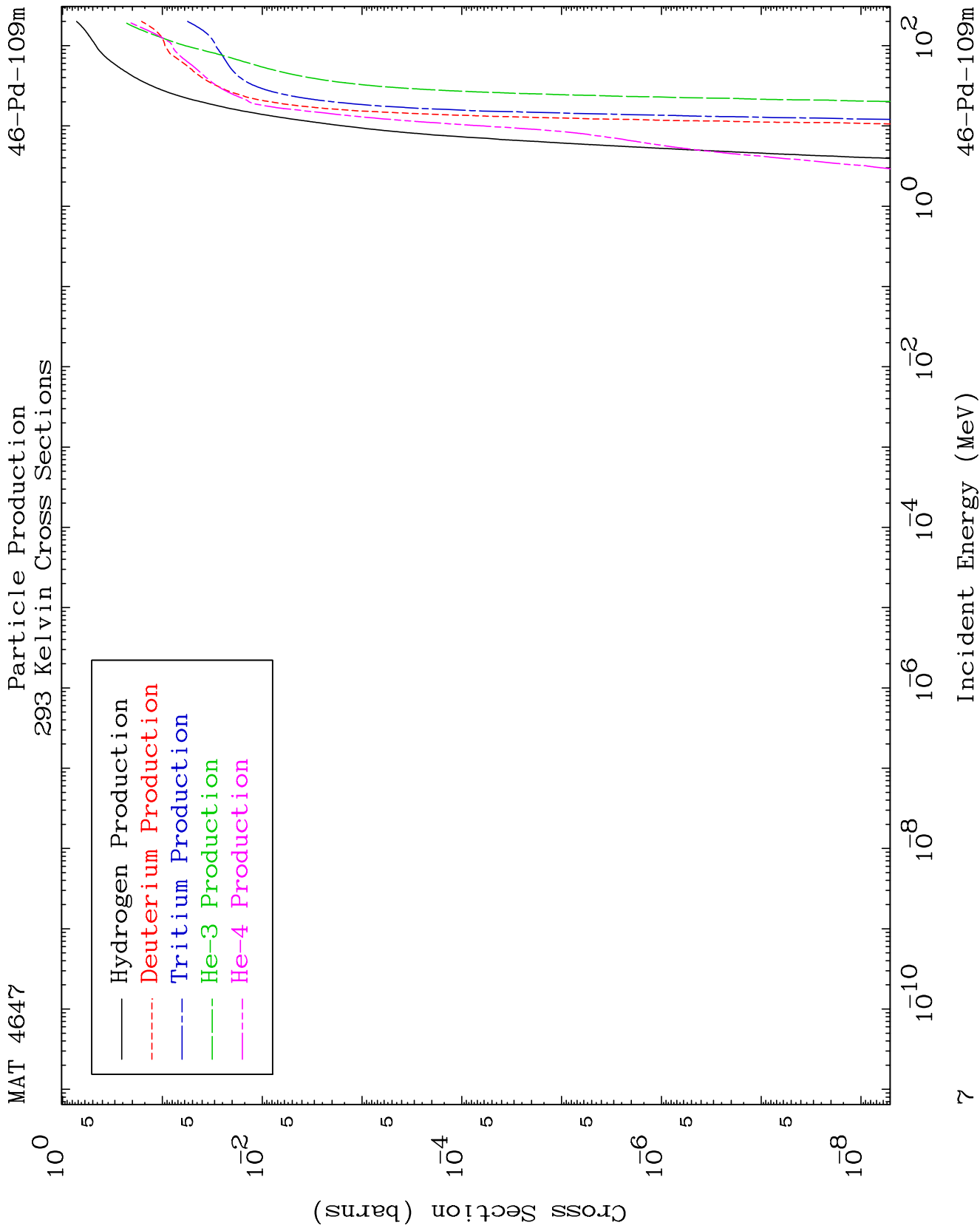
46-Pd-109m

MAT 4647

Charged Particle
293 Kelvin Cross Sections

46-Pd-109m

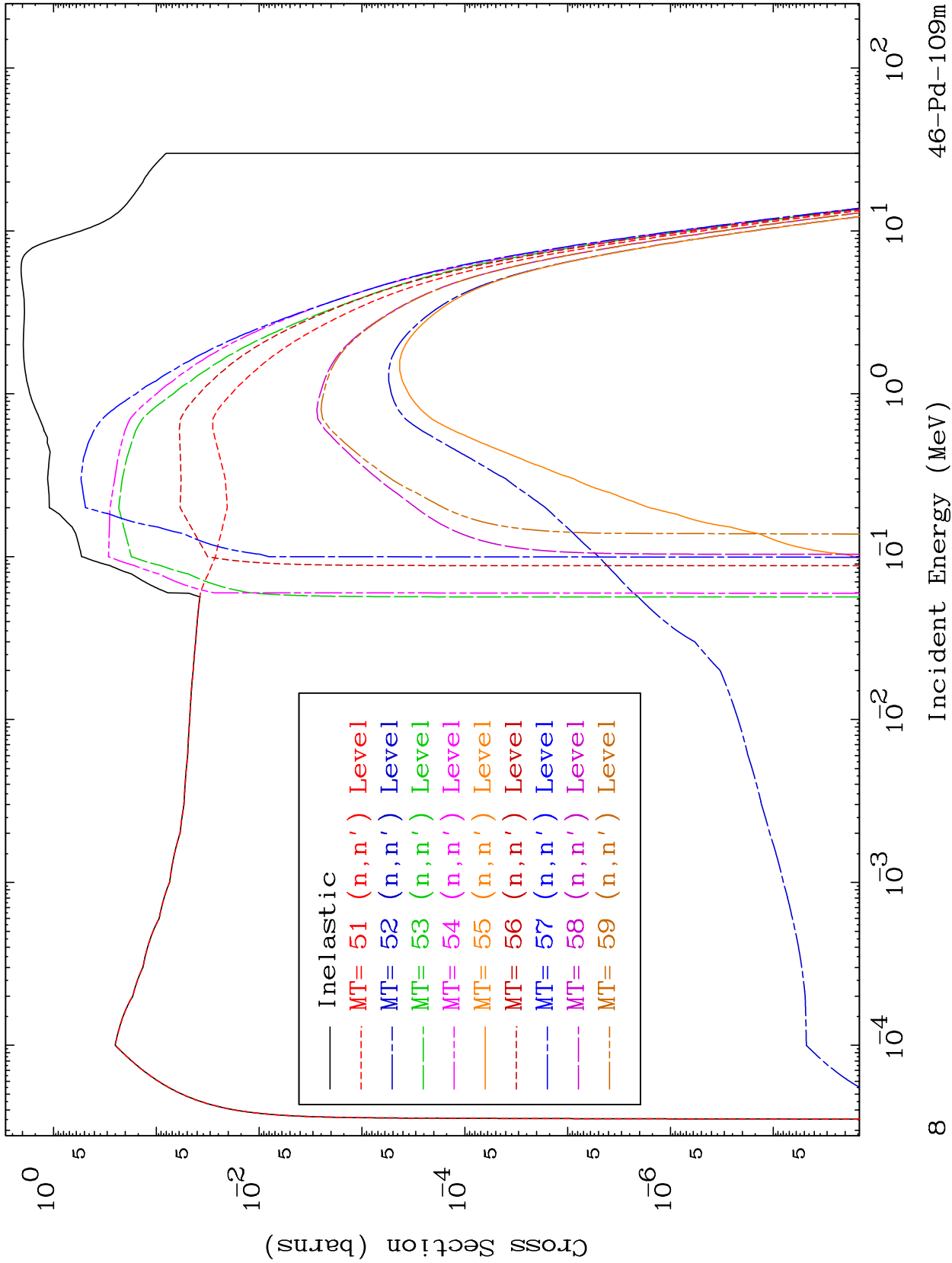




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(n,n') Levels
293 Kelvin Cross Sections

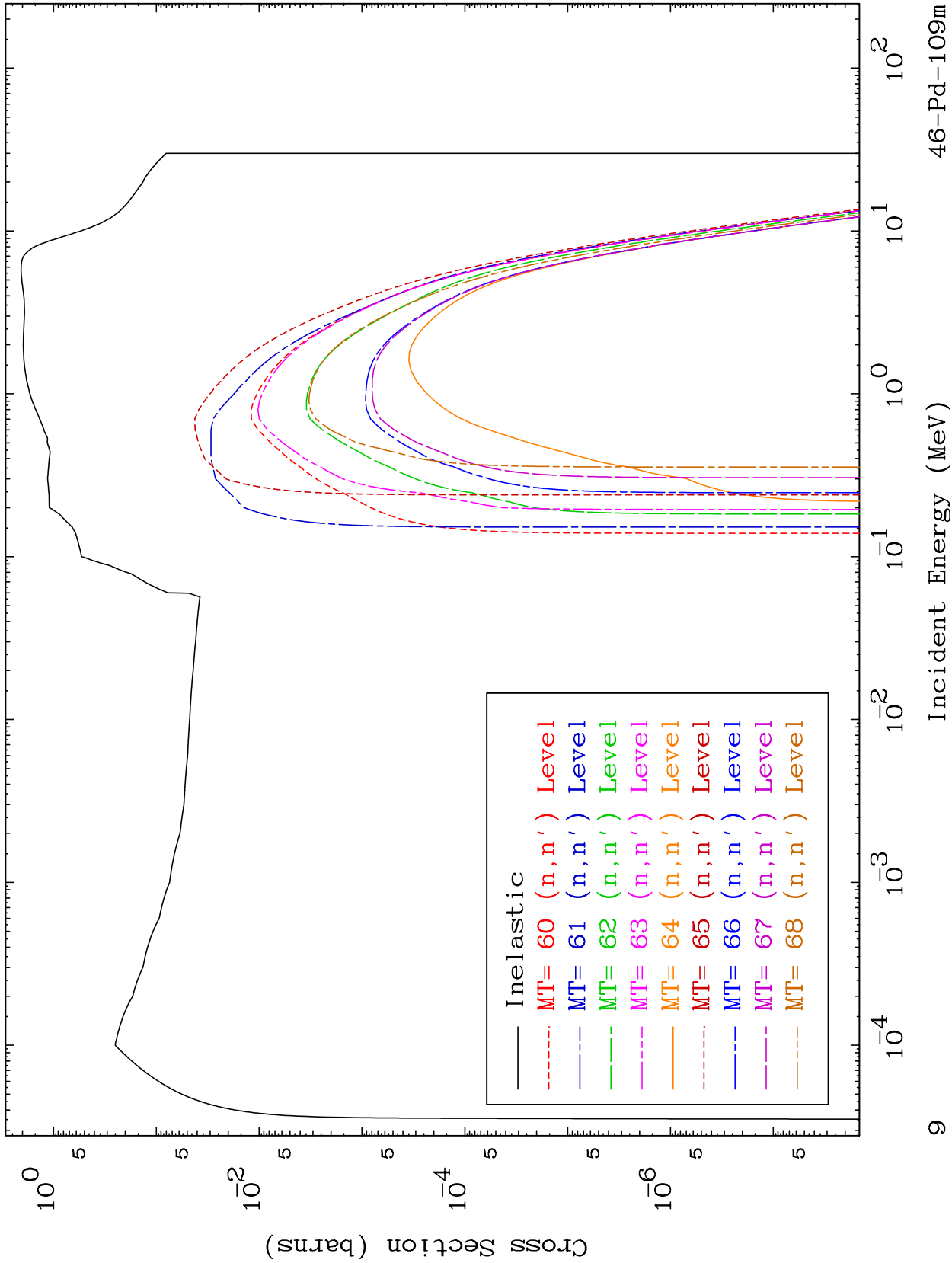
46-Pd-109m



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(n,n') Levels
293 Kelvin Cross Sections

46-Pd-109m

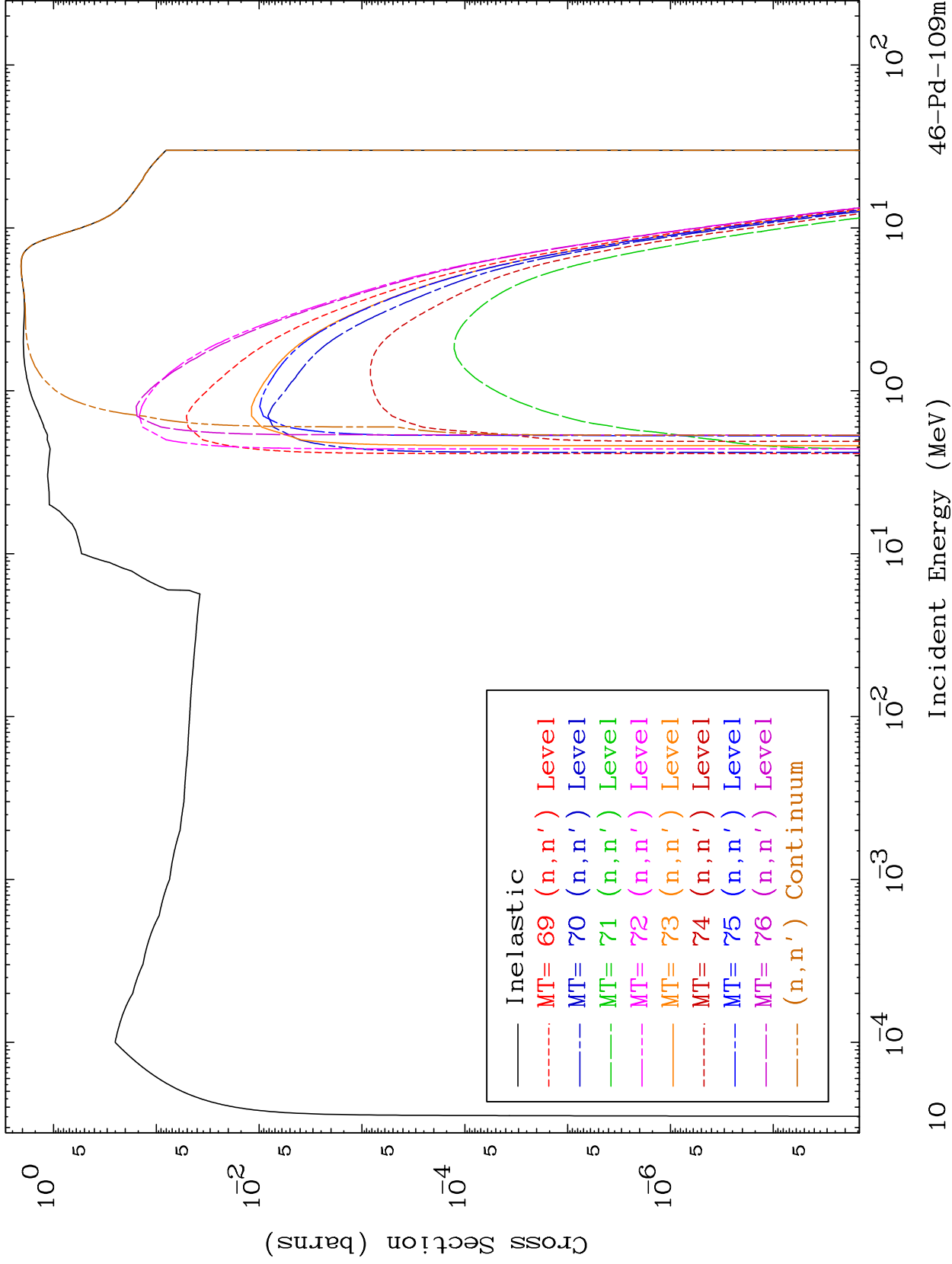


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(n,n') Levels

46-Pd-109m

293 Kelvin Cross Sections



10

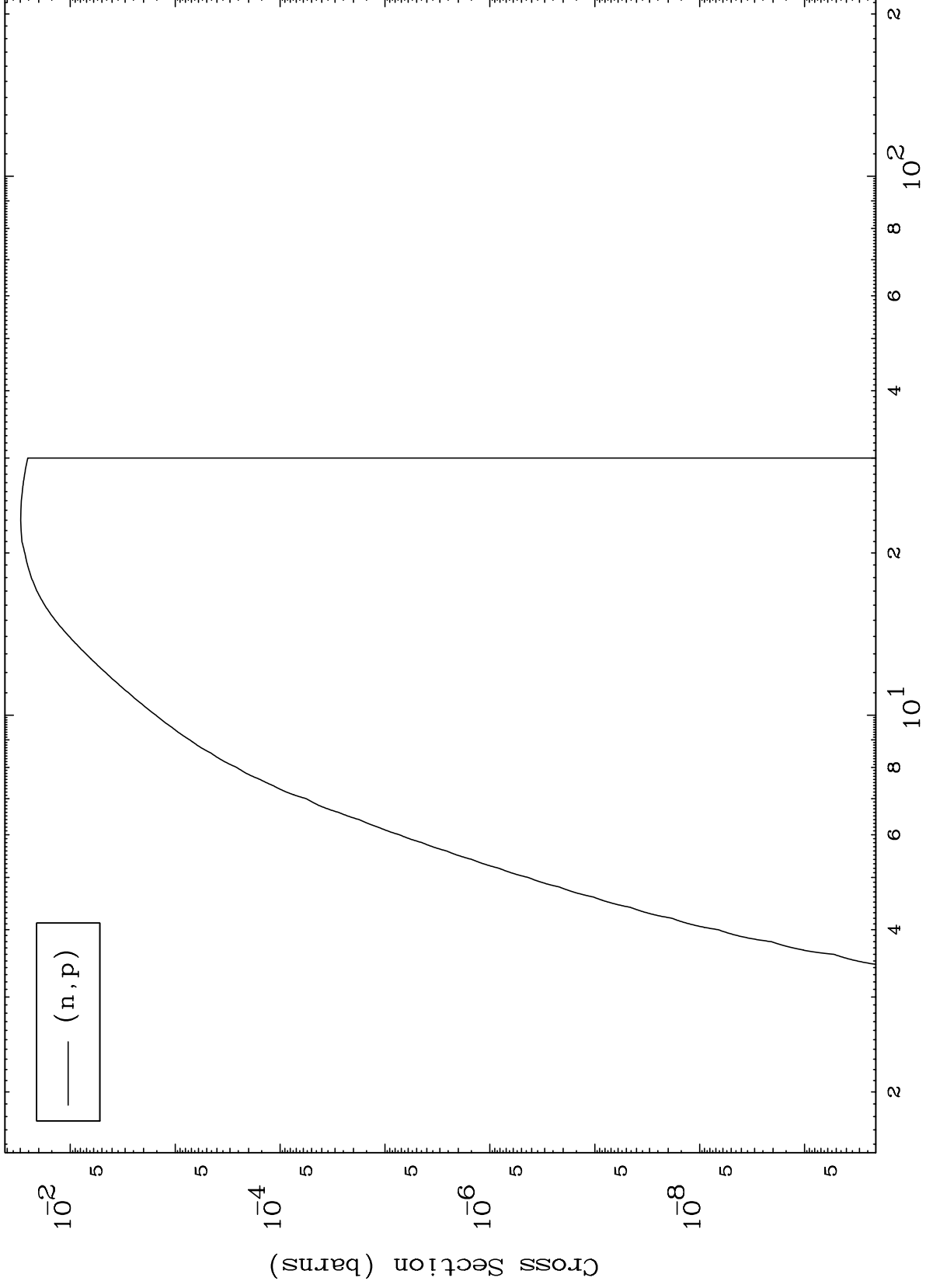
Incident Energy (MeV)

46-Pd-109m

MAT 4647

(n,p) Levels
293 Kelvin Cross Sections

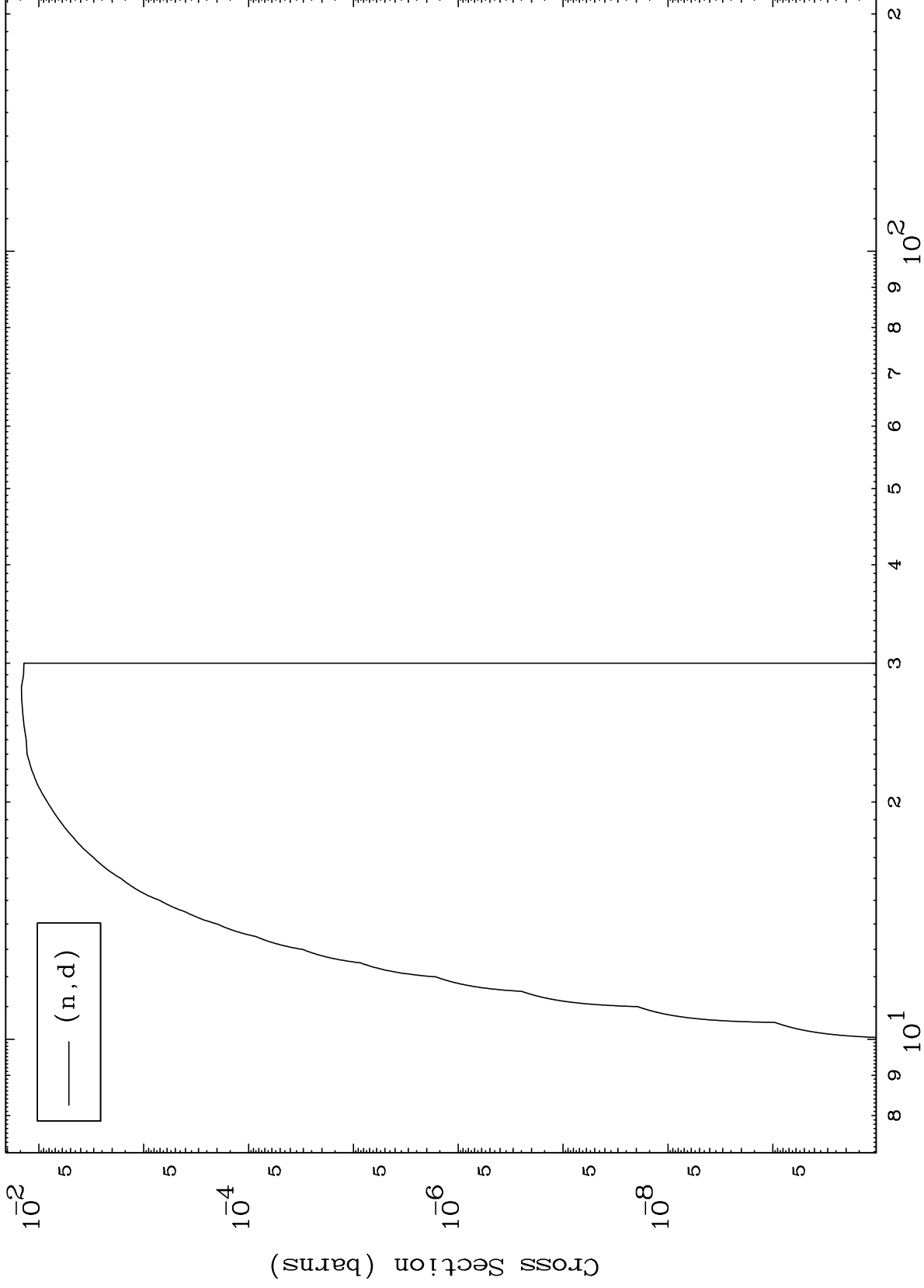
46-Pd-109m



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(n,d) Levels
293 Kelvin Cross Sections

46-Pd-109m



12

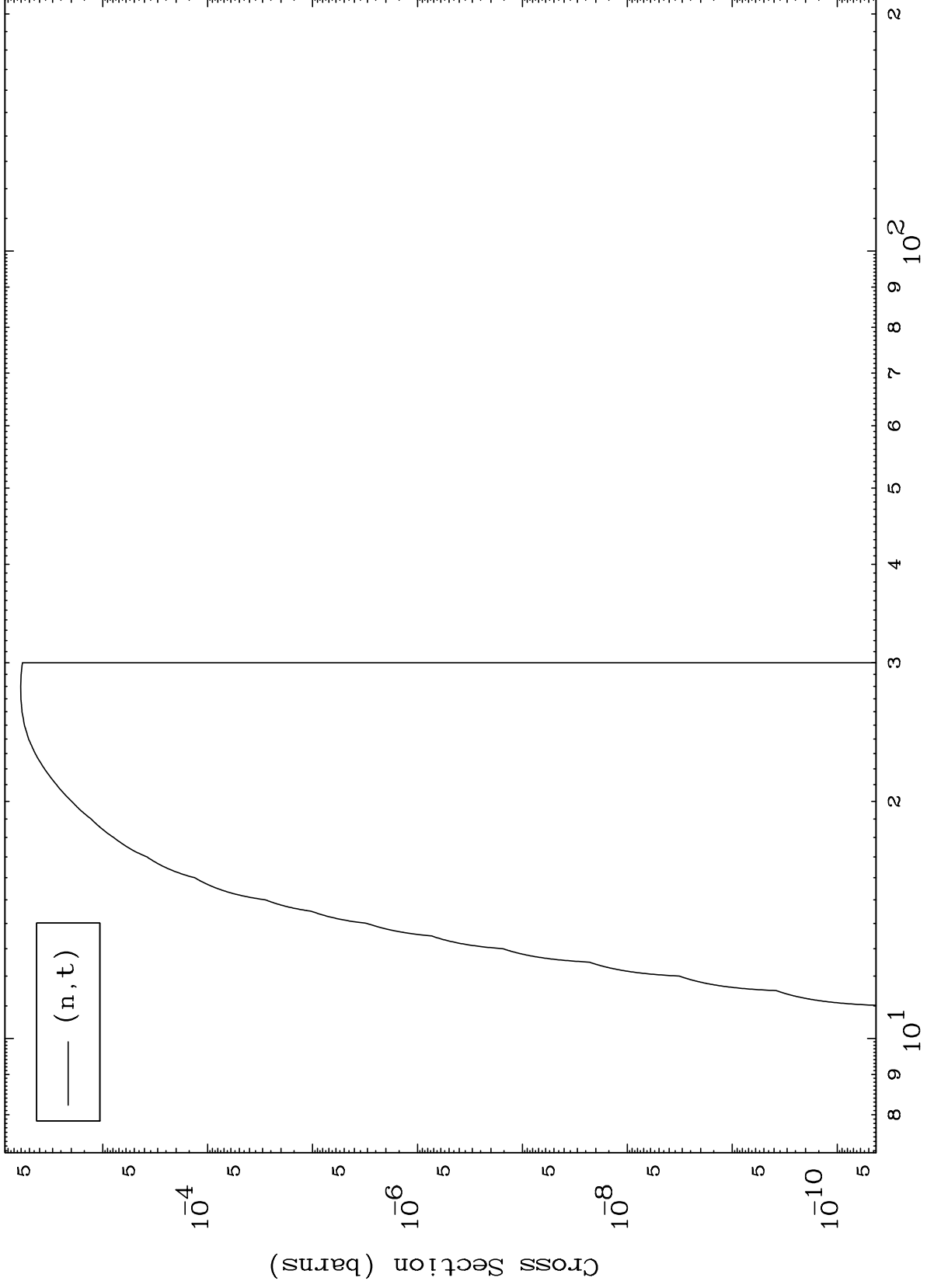
Incident Energy (MeV)

46-Pd-109m

MAT 4647

(n,t) Levels
293 Kelvin Cross Sections

46-Pd-109m



13

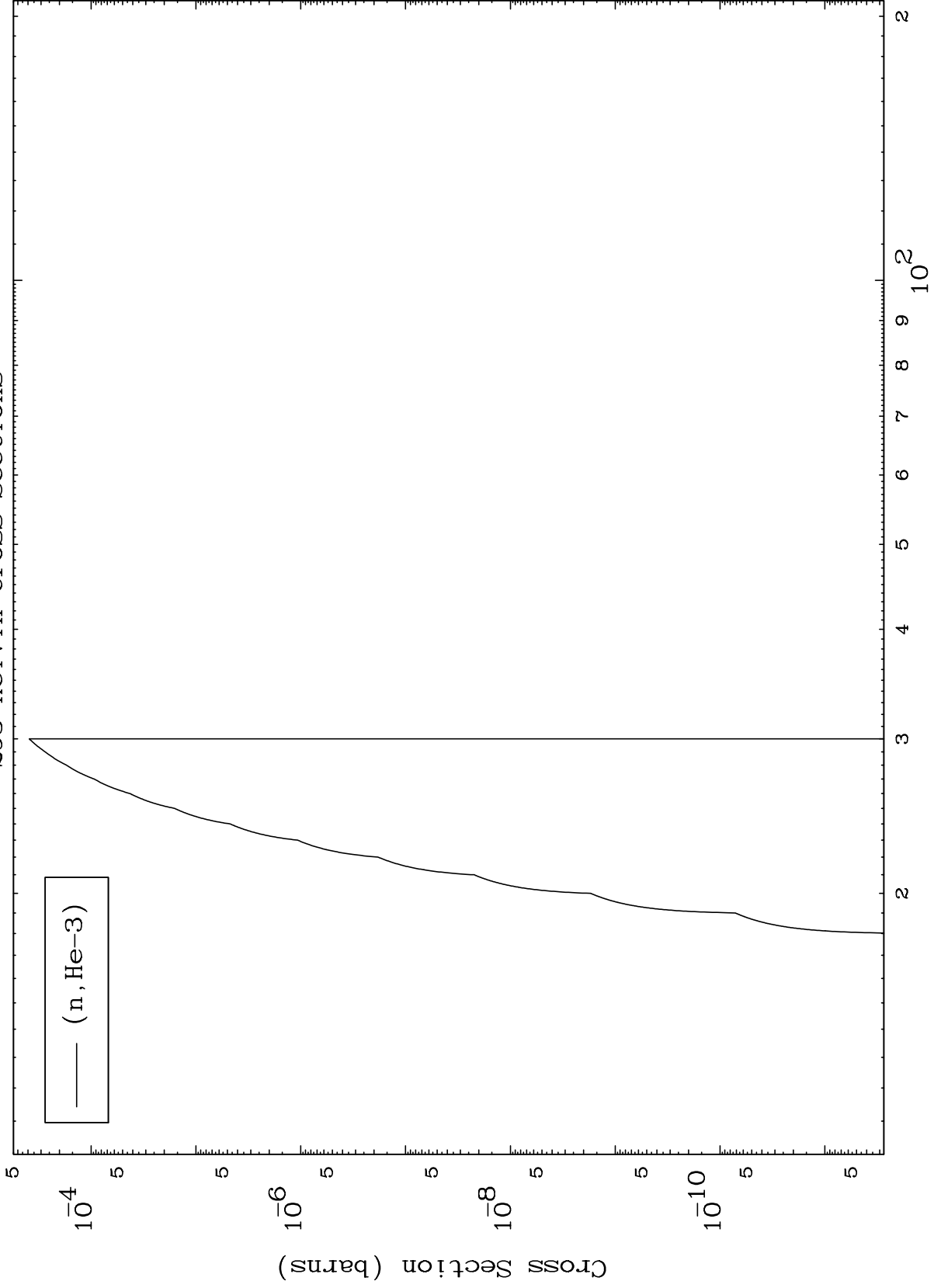
Incident Energy (MeV)

46-Pd-109m

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(n,He3) Levels
293 Kelvin Cross Sections

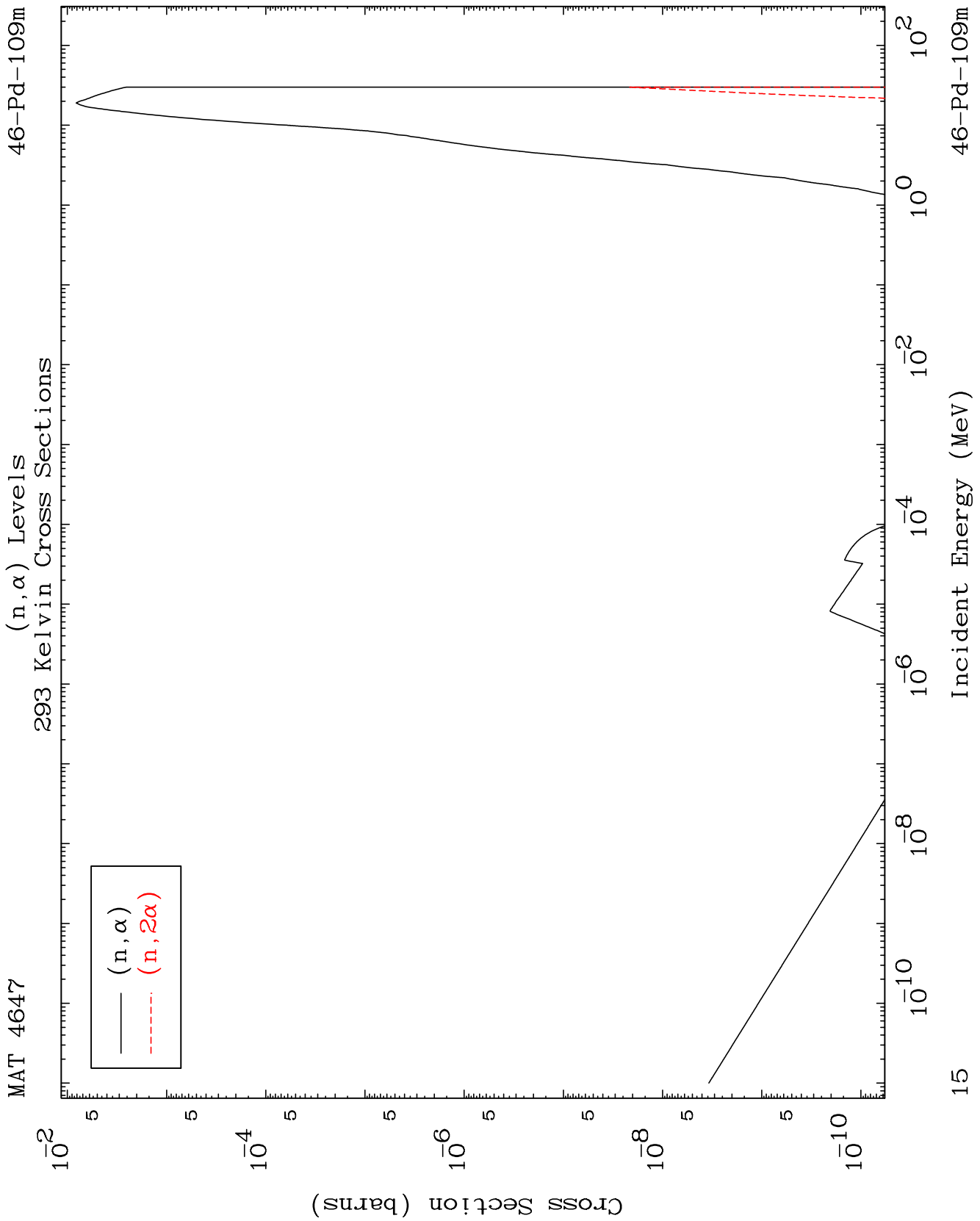
46-Pd-109m



14

Incident Energy (MeV)

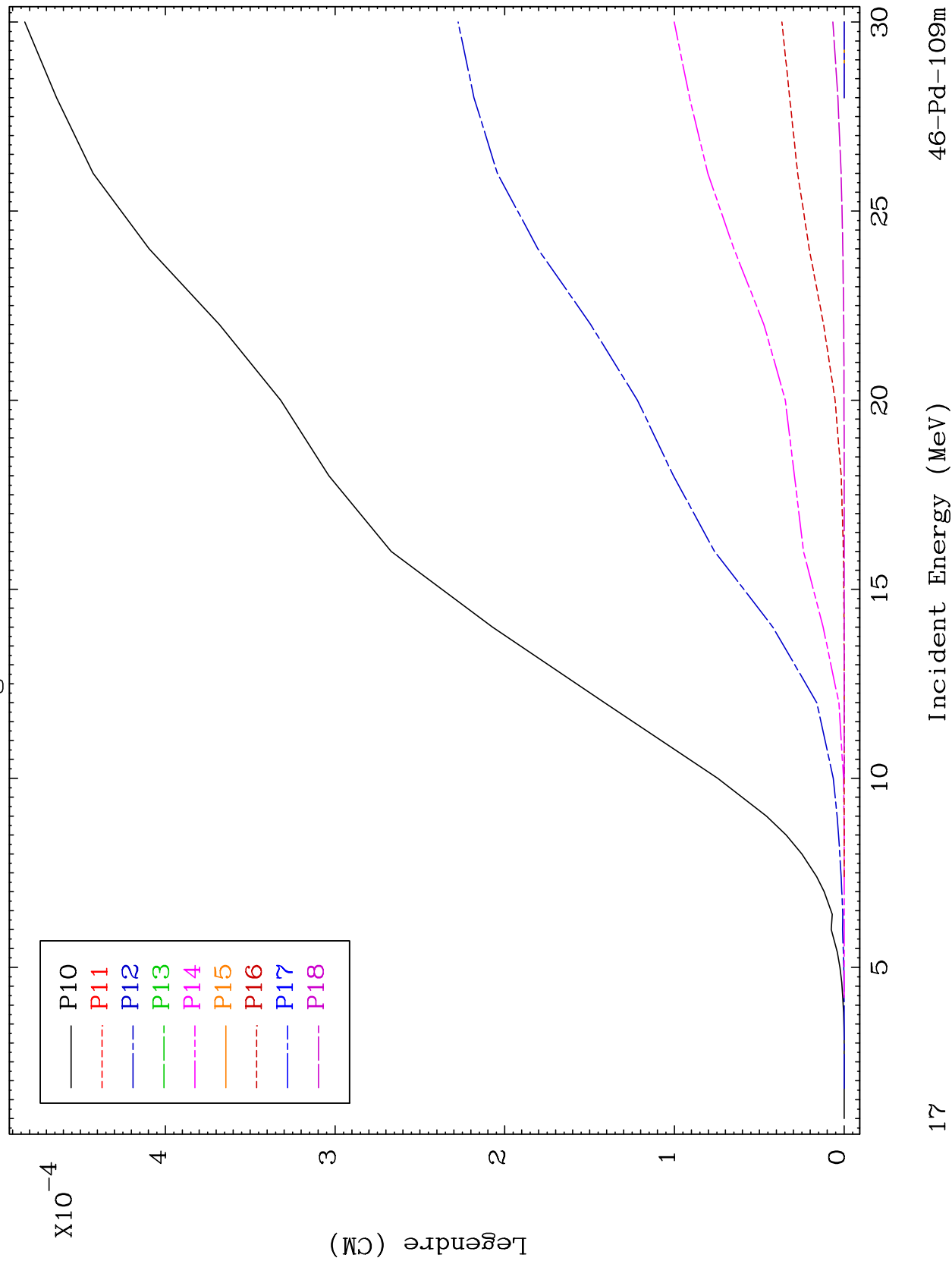
46-Pd-109m



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Elastic Legendre Coefficients

46-Pd-109m



17

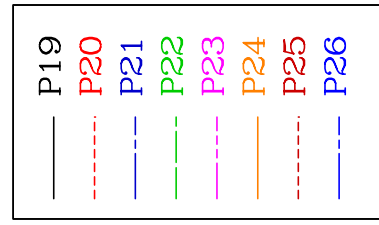
46-Pd-109m

Incident Energy (MeV)

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Elastic
Legendre Coefficients

46-Pd-109m



$\times 10^{-7}$

Legendre (CM)

3

2

1

0

15

20

25

30

18

Incident Energy (MeV)

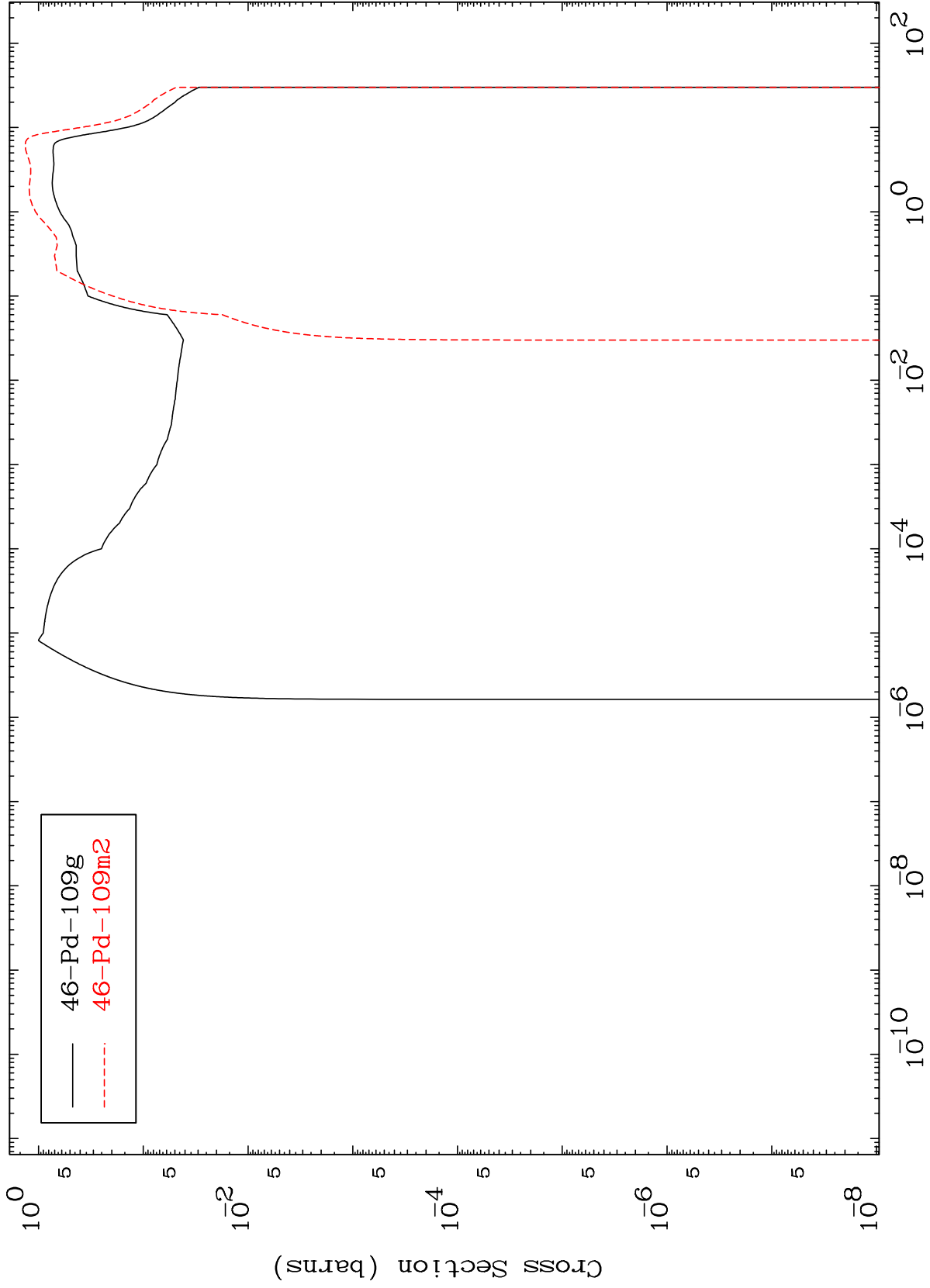
46-Pd-109m



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46-Pd-109m

Inelastic
Radionuclide Production Cross Section



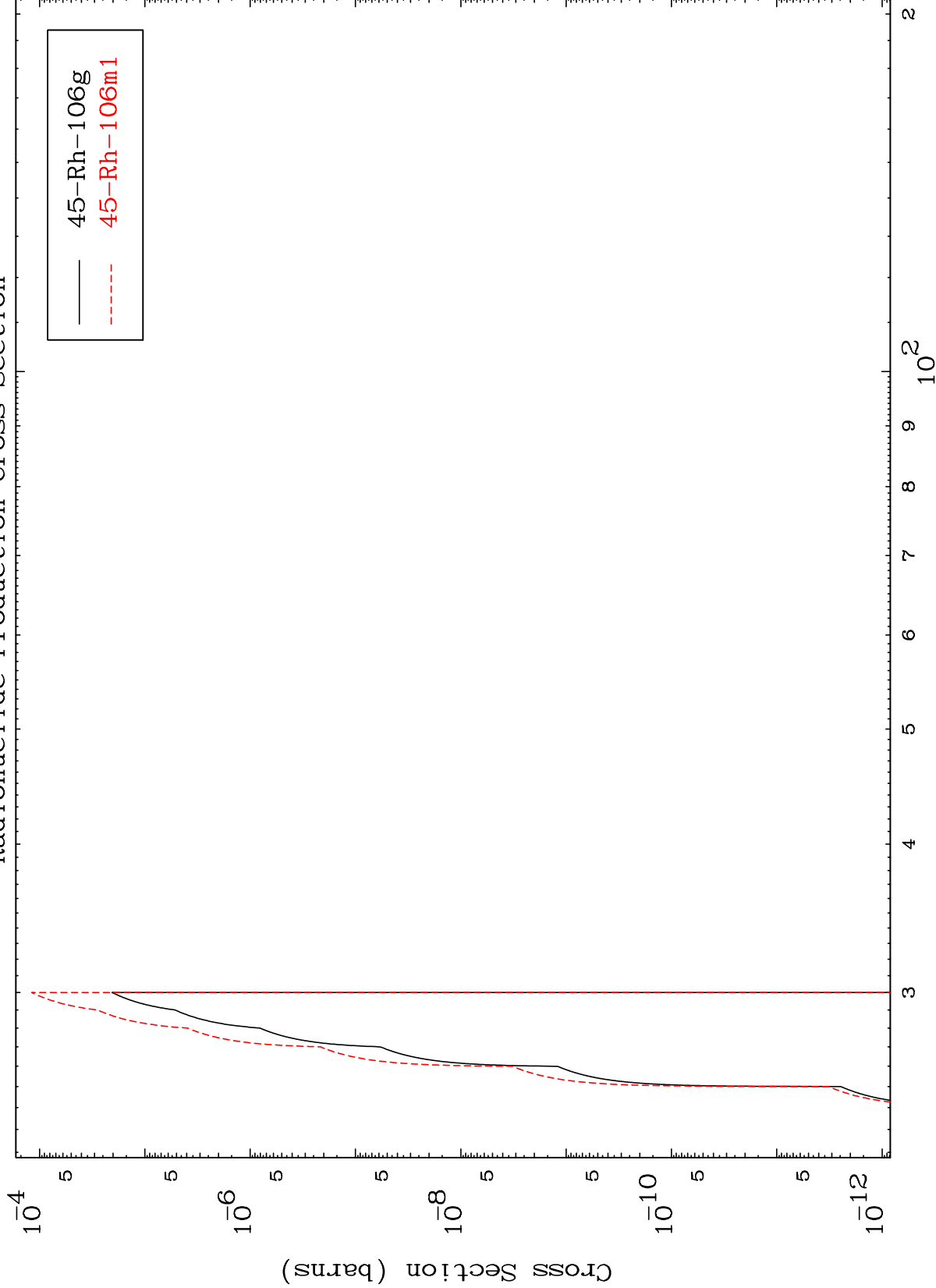
— 46-Pd-109g
- - - 46-Pd-109m2

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(n,2n) d

46-Pd-109m

Radionuclide Production Cross Section



20

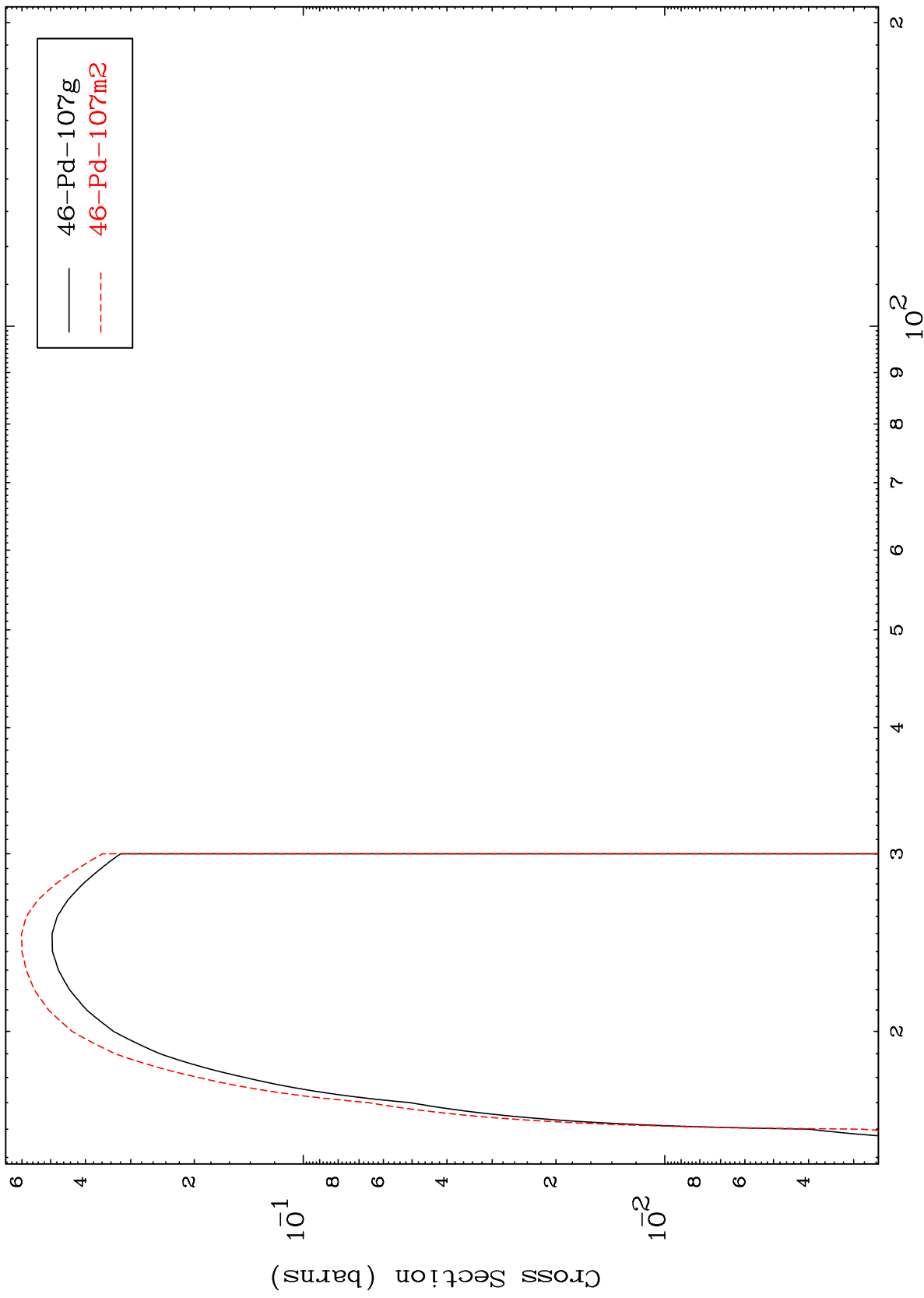
Incident Energy (MeV)

46-Pd-109m

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46-Pd-109m

(n,3n)
Radionuclide Production Cross Section



21

Incident Energy (MeV)

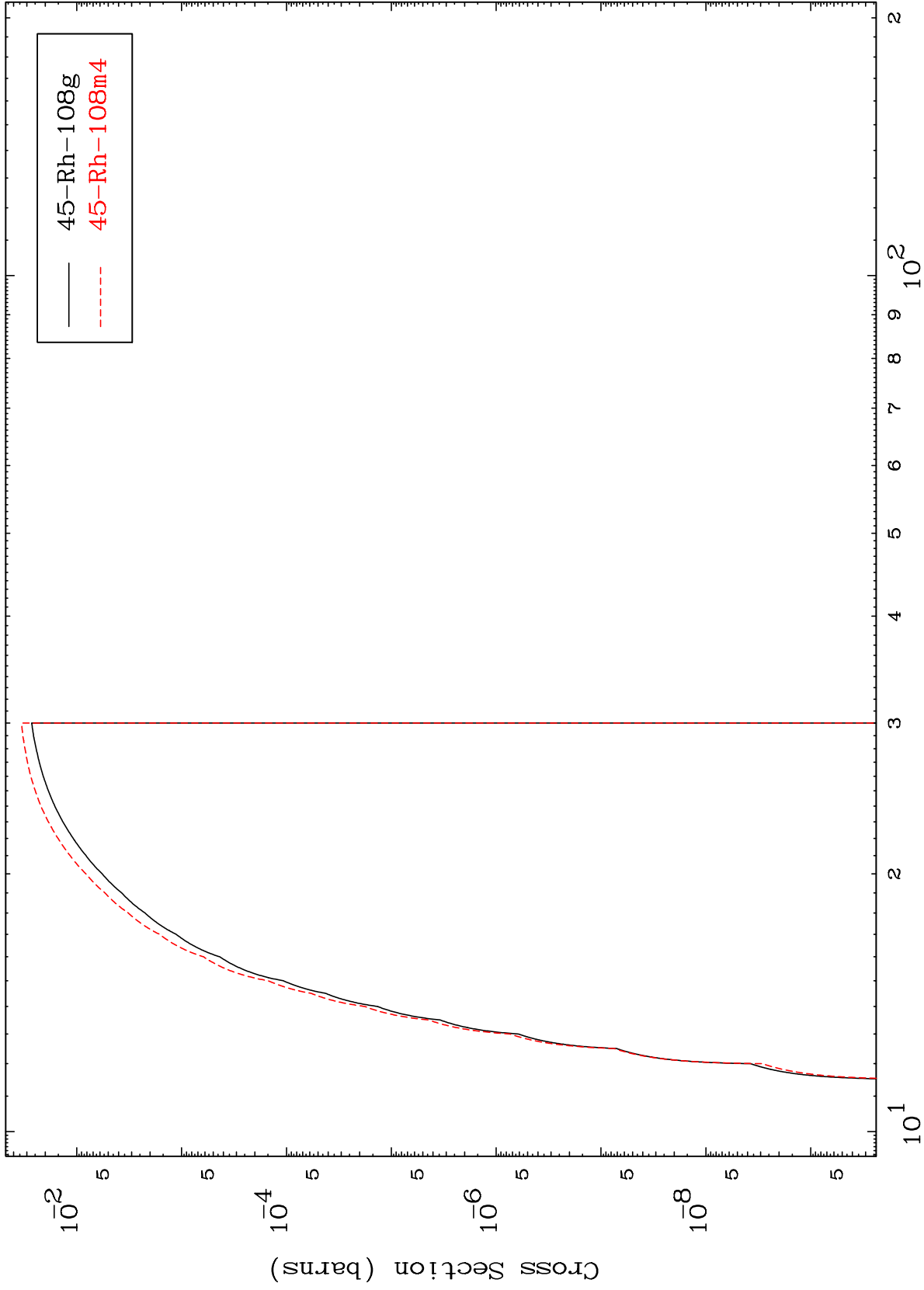
46-Pd-109m

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(n,n') p

46-Pd-109m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

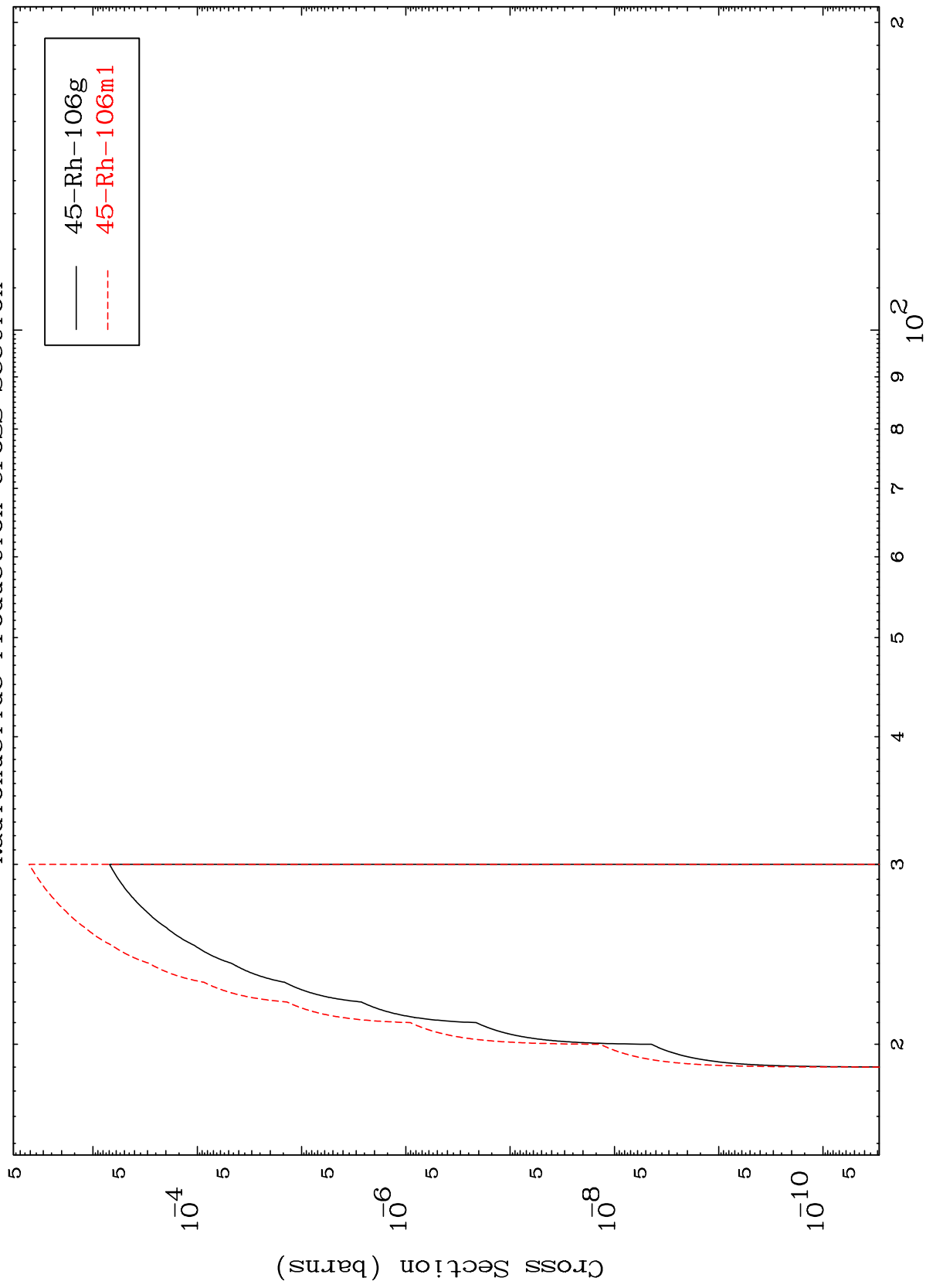
46-Pd-109m

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(n,n') t

46-Pd-109m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

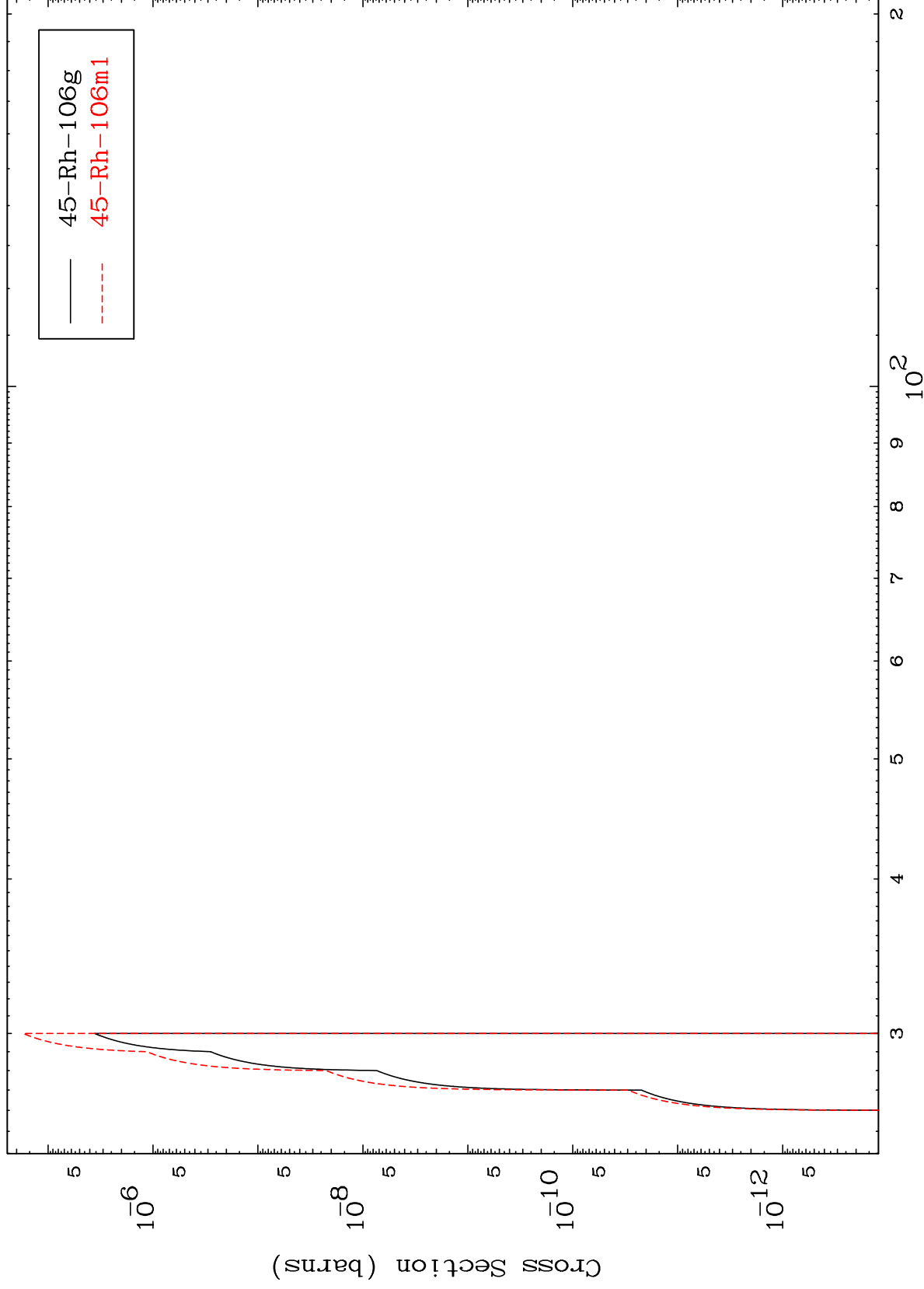
46-Pd-109m

MAT 4647

(n,3n) p

46-Pd-109m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

46-Pd-109m

