

Program EVALPLOT
(Version 2021-1)

by

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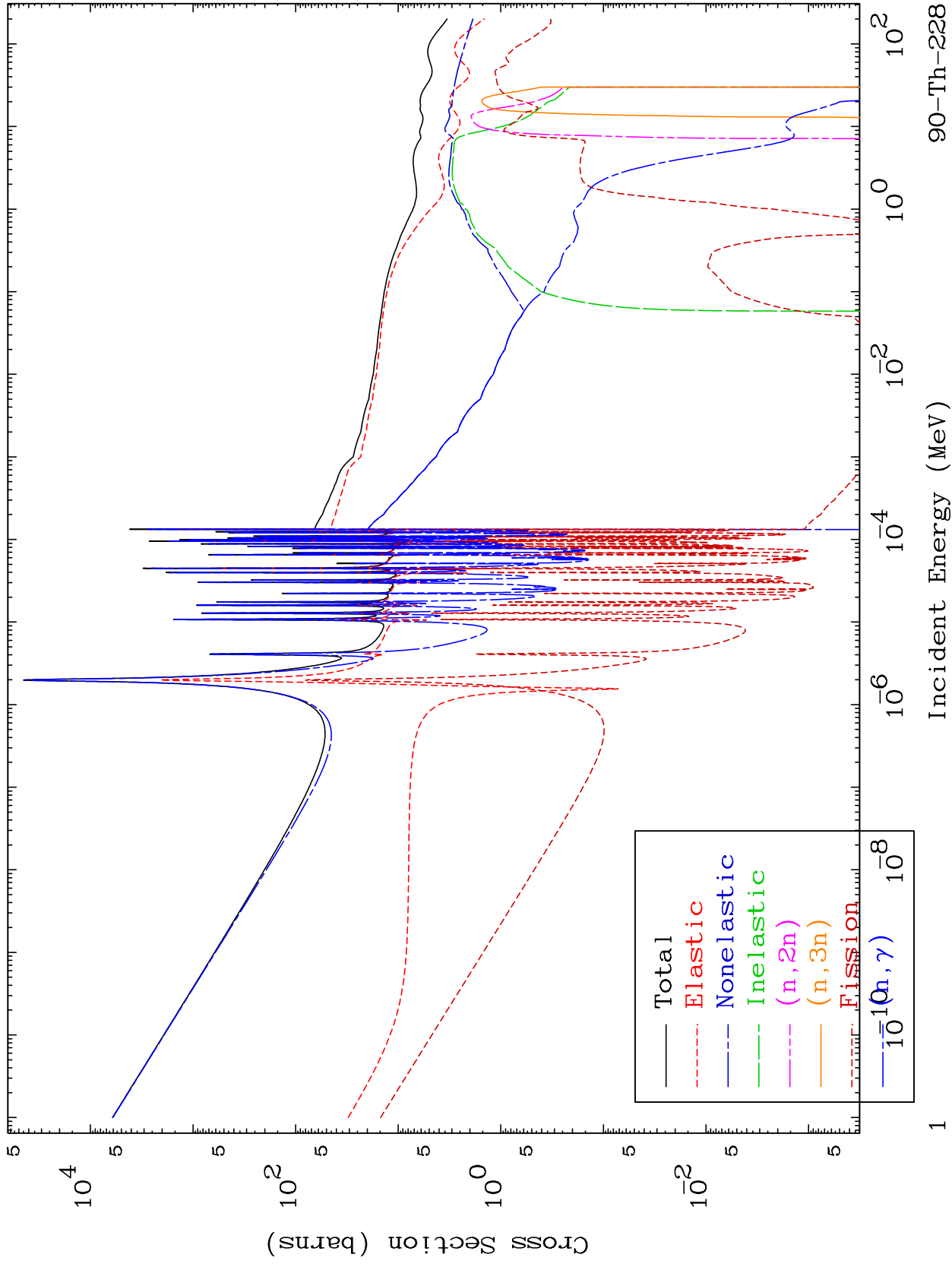
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9028

Neutron Major
293 Kelvin Cross Sections

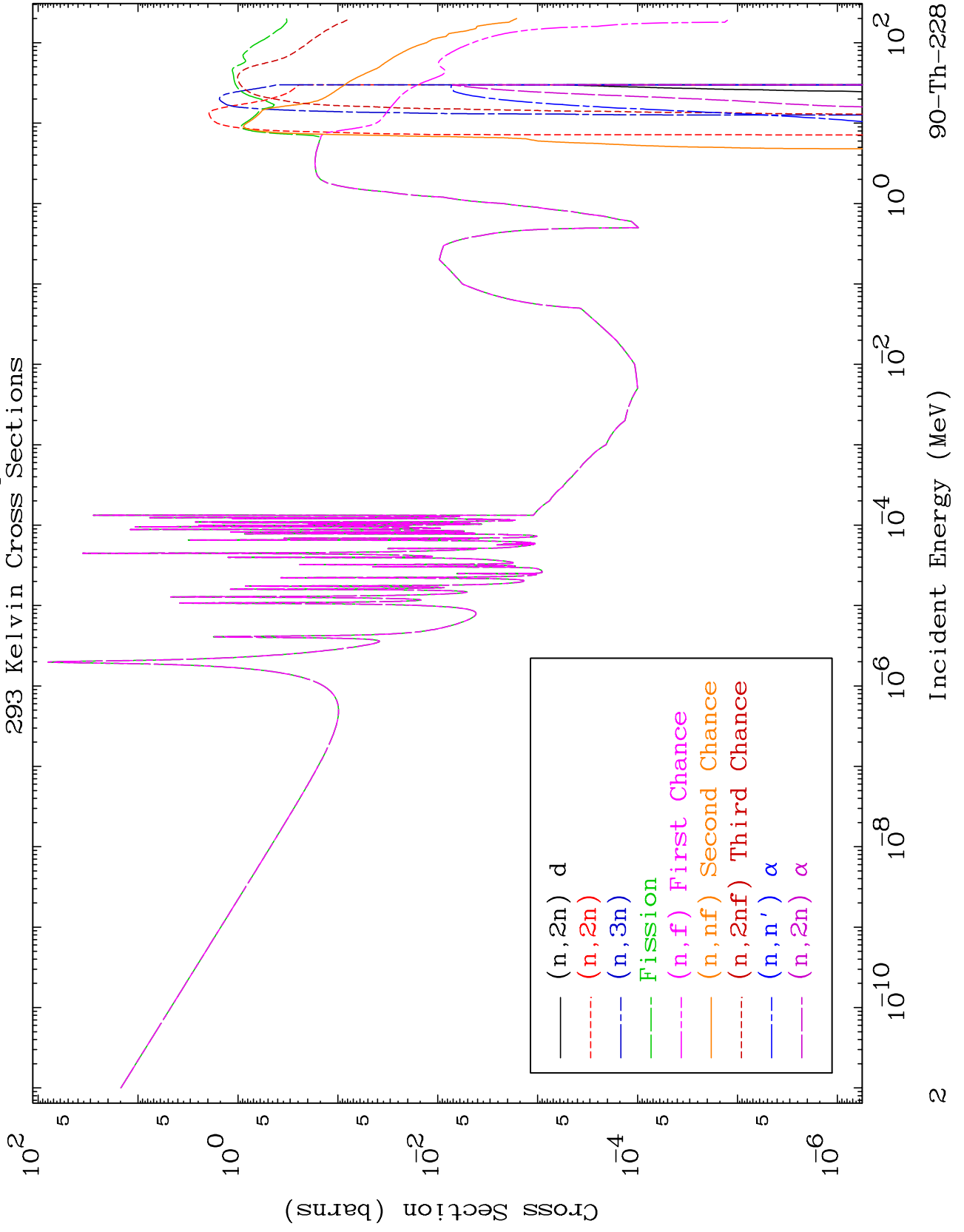
90-Th-228

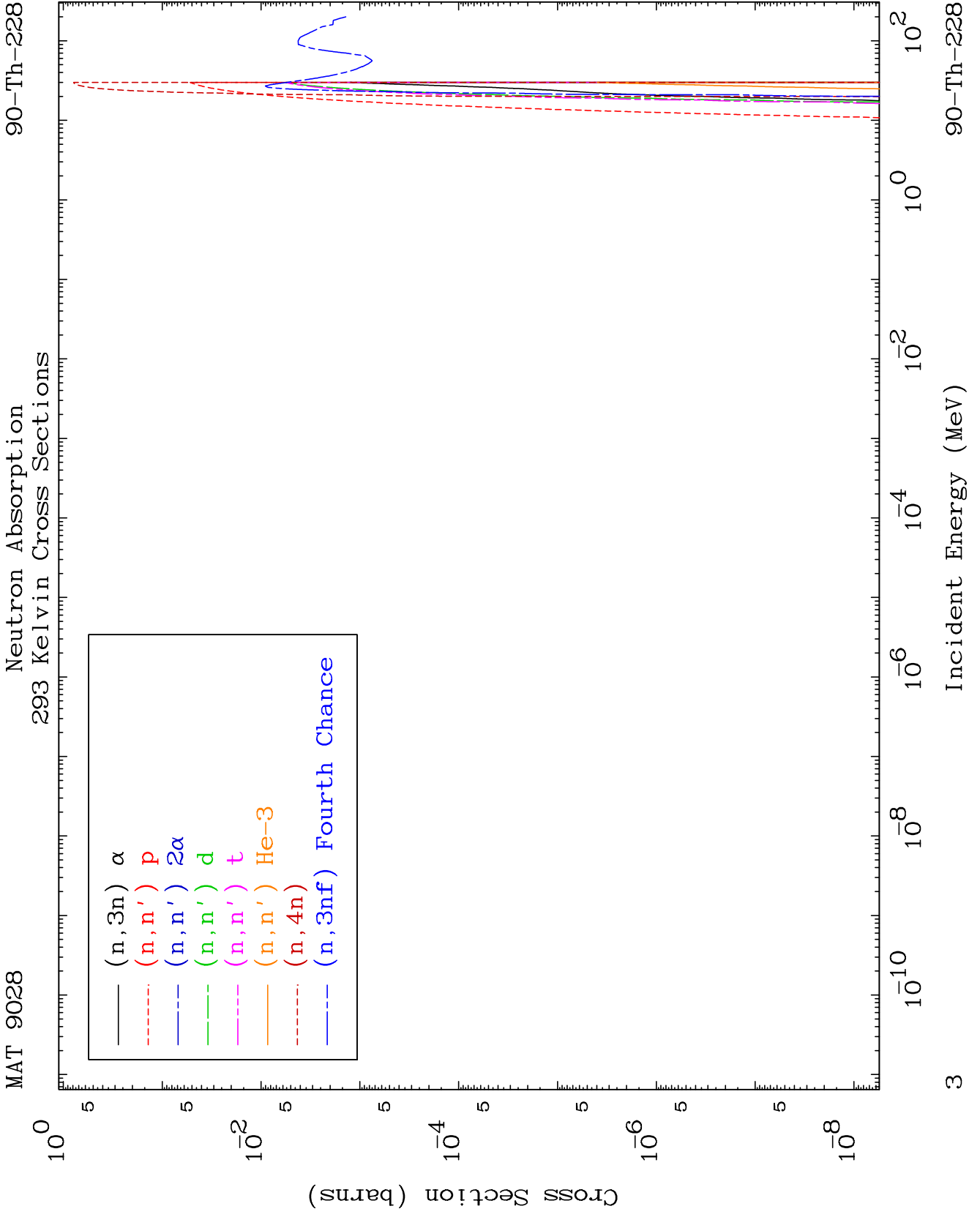


MAT 9028

Neutron Absorption
293 Kelvin Cross Sections

90-Th-228

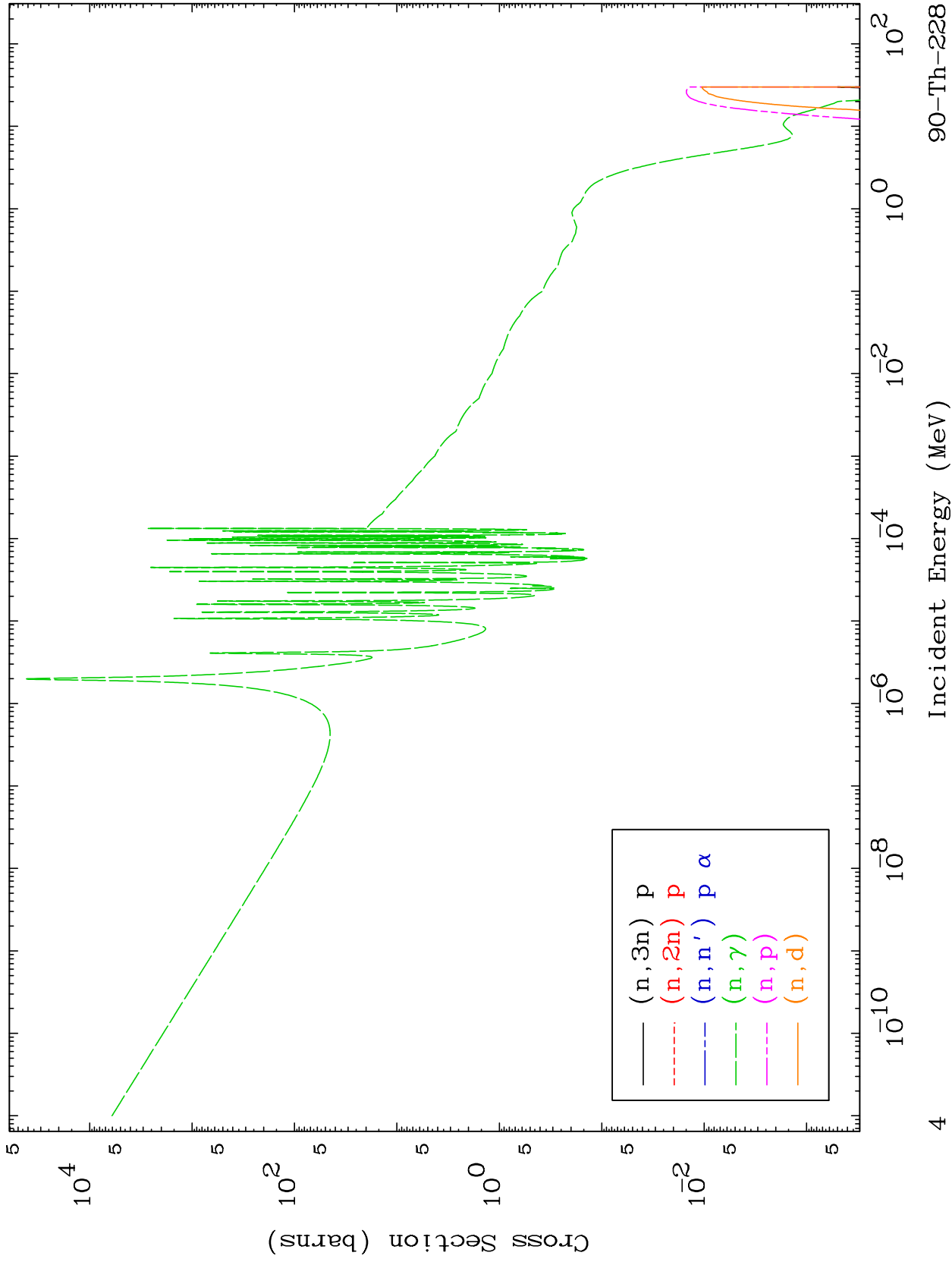




MAT 9028

Neutron Absorption
293 Kelvin Cross Sections

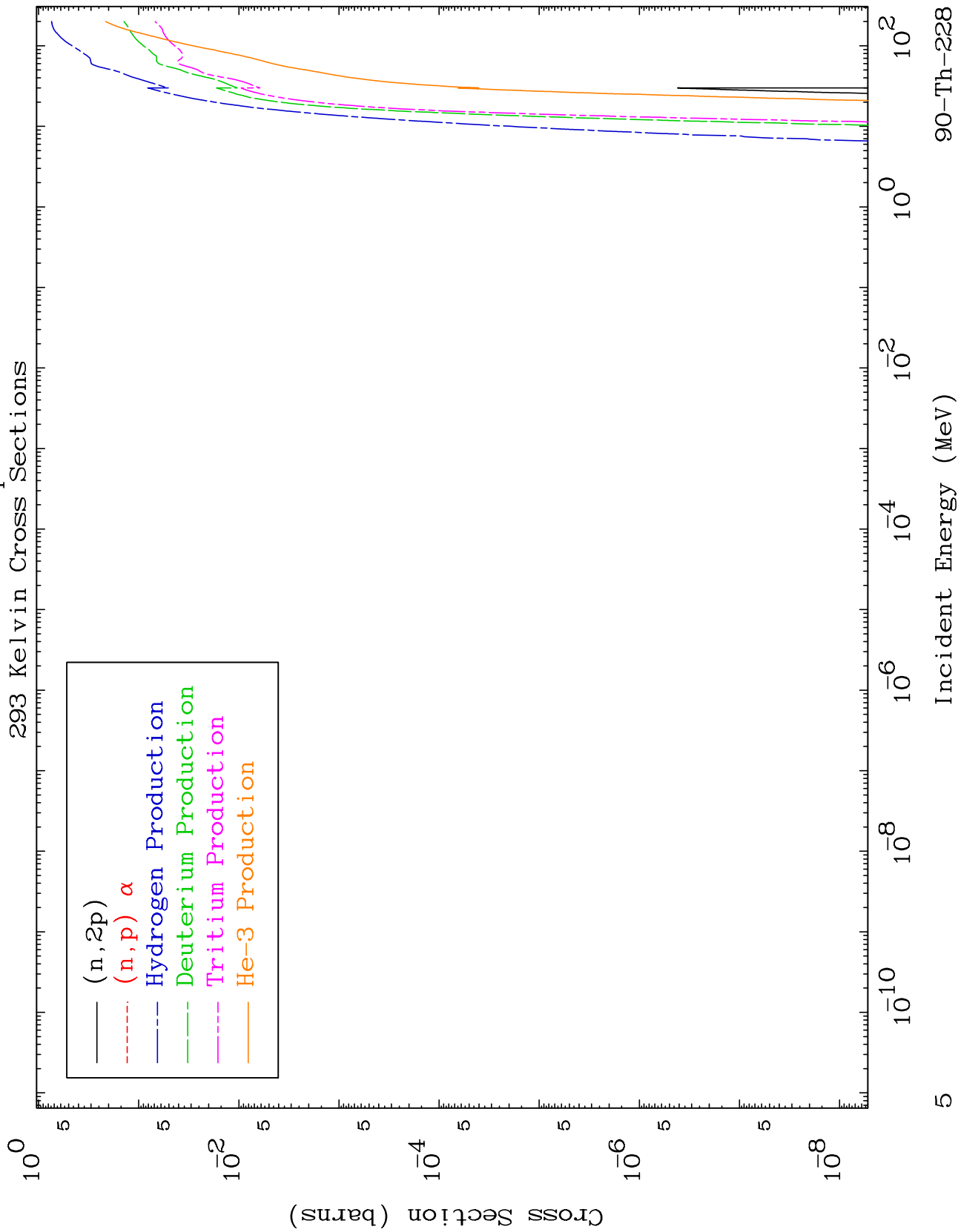
90-Th-228



MAT 9028

Neutron Absorption
293 Kelvin Cross Sections

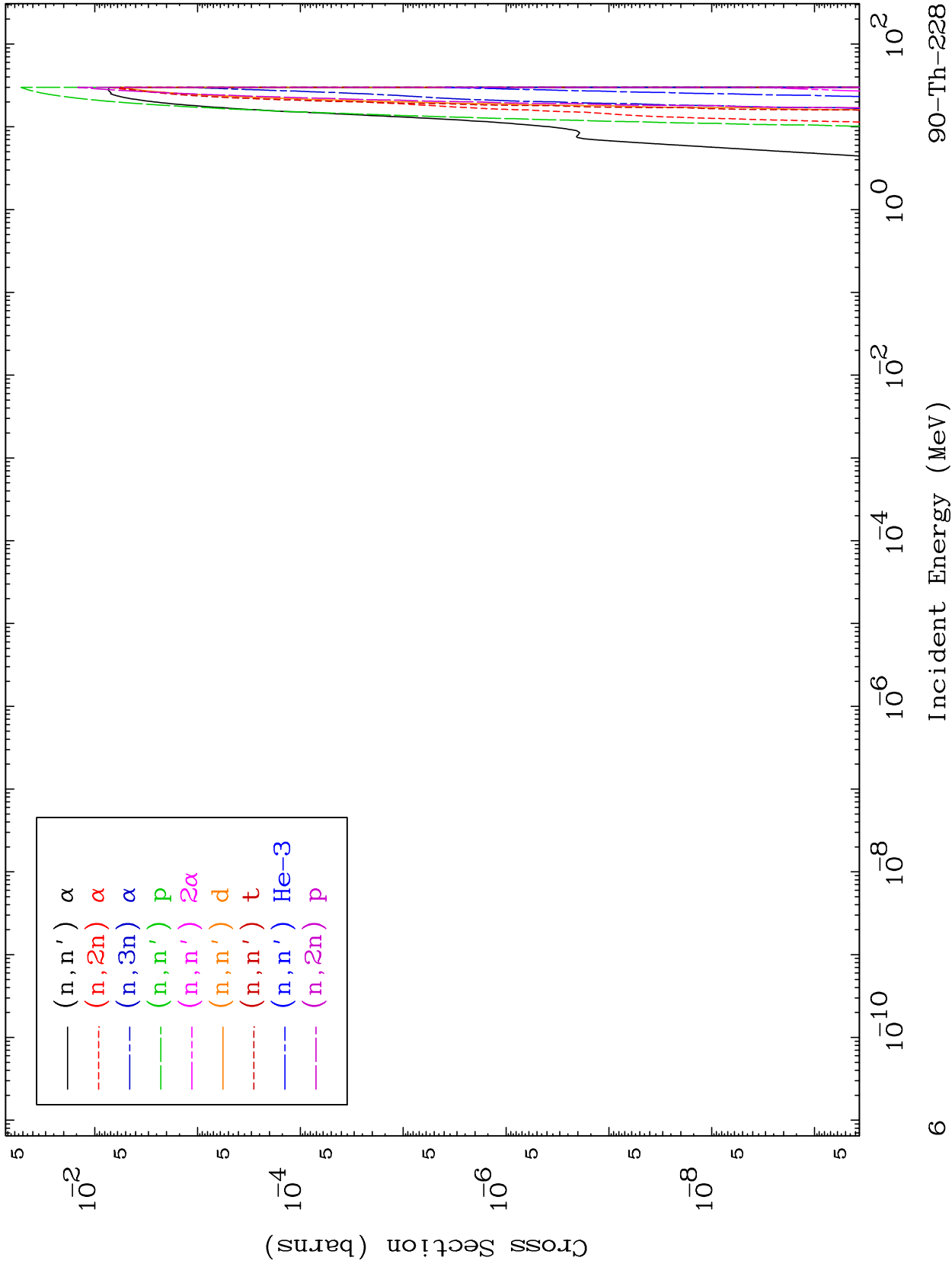
90-Th-228



MAT 9028

Charged Particle
293 Kelvin Cross Sections

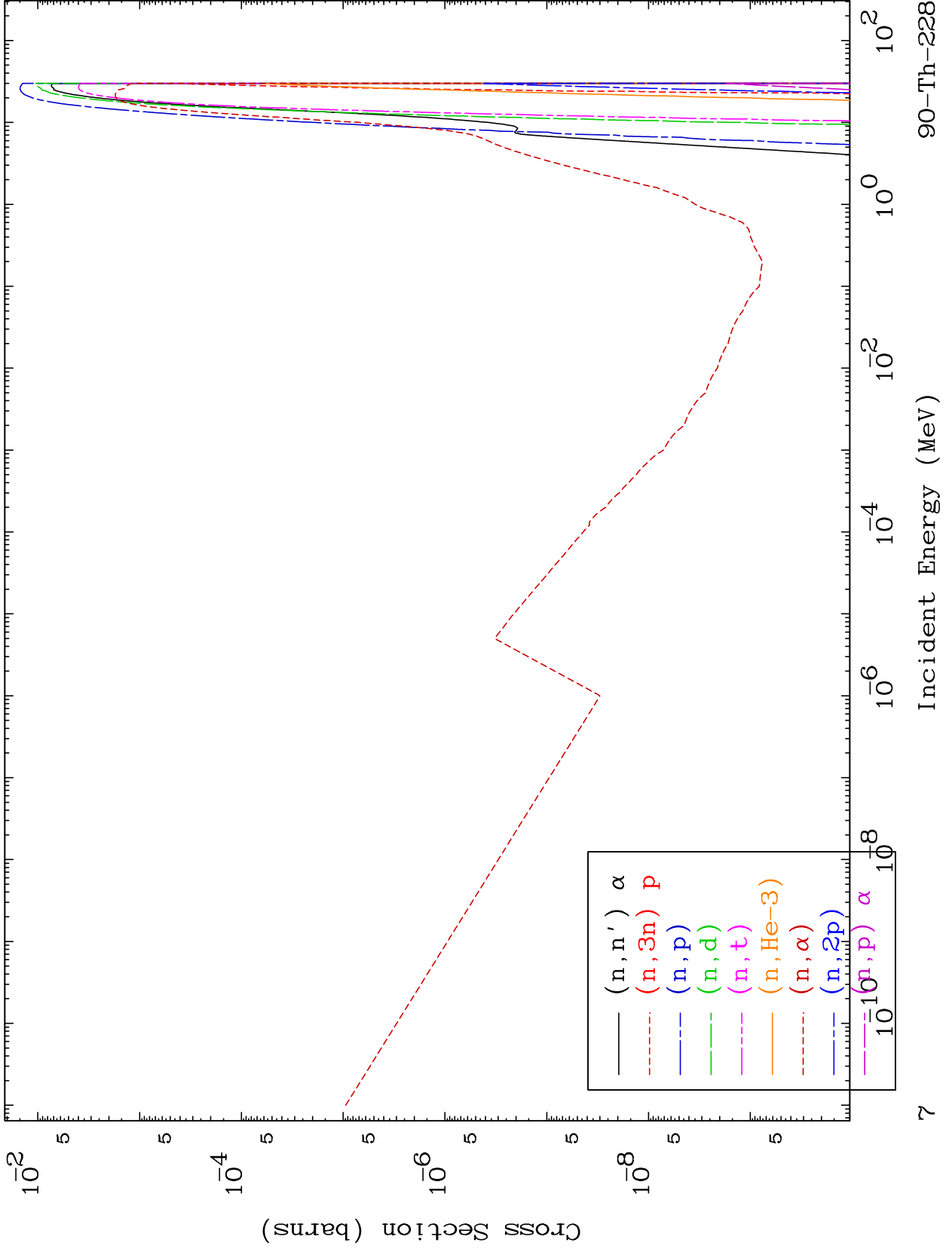
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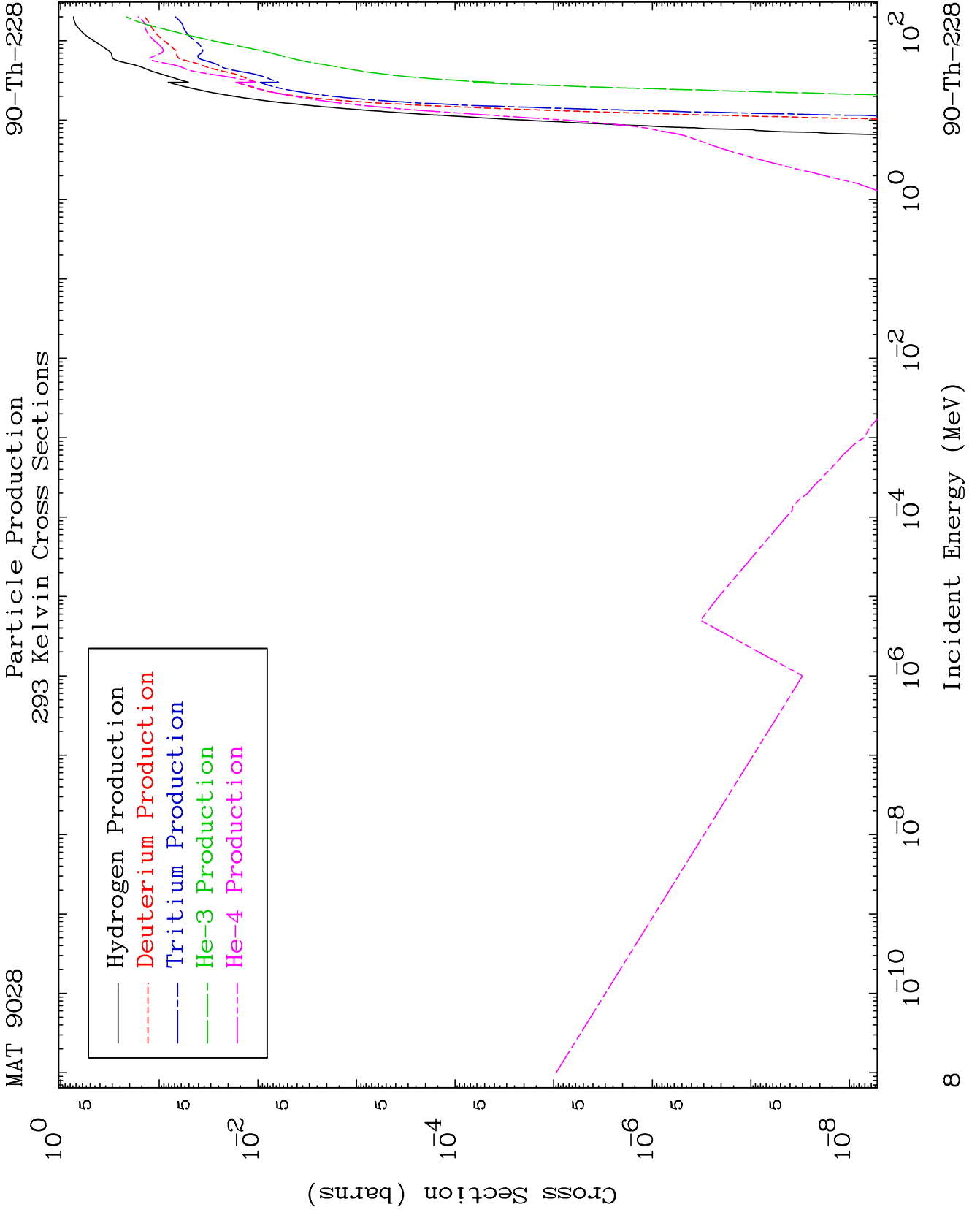


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Charged Particle
293 Kelvin Cross Sections

90-Th-228

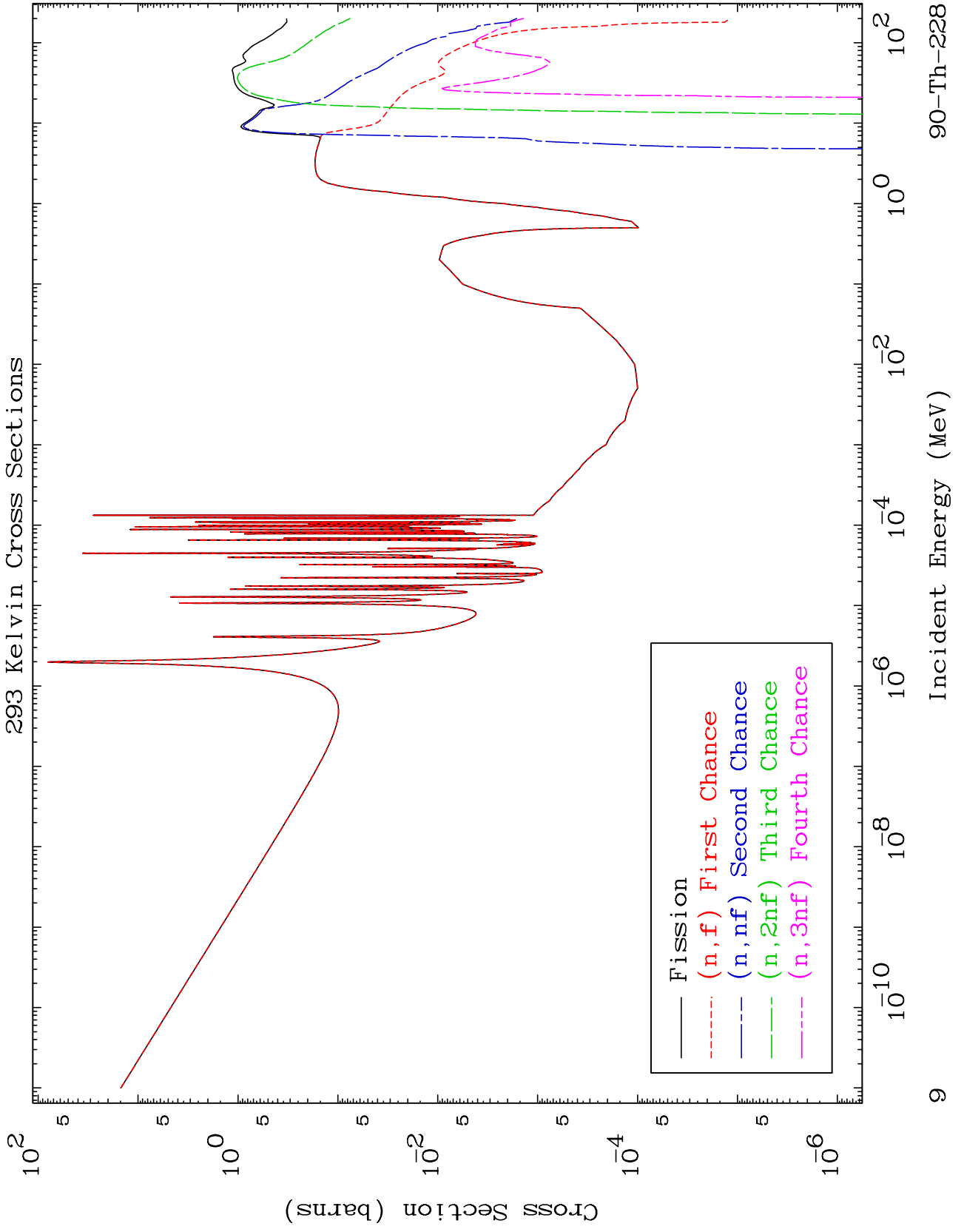




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Fission
293 Kelvin Cross Sections

90-Th-228

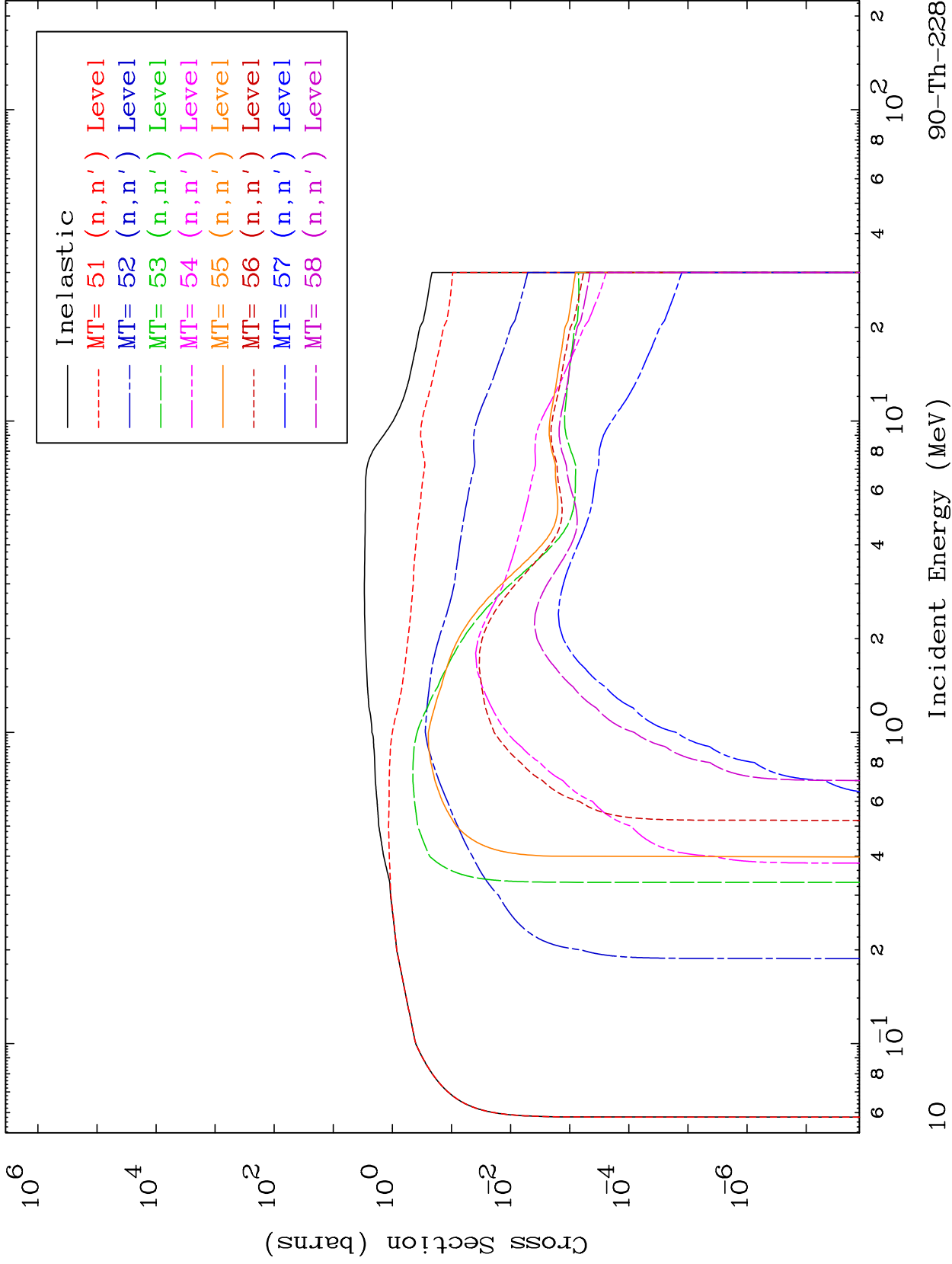


MAT 9028

(n,n') Levels

293 Kelvin Cross Sections

90-Th-228



90-Th-228

Incident Energy (MeV)

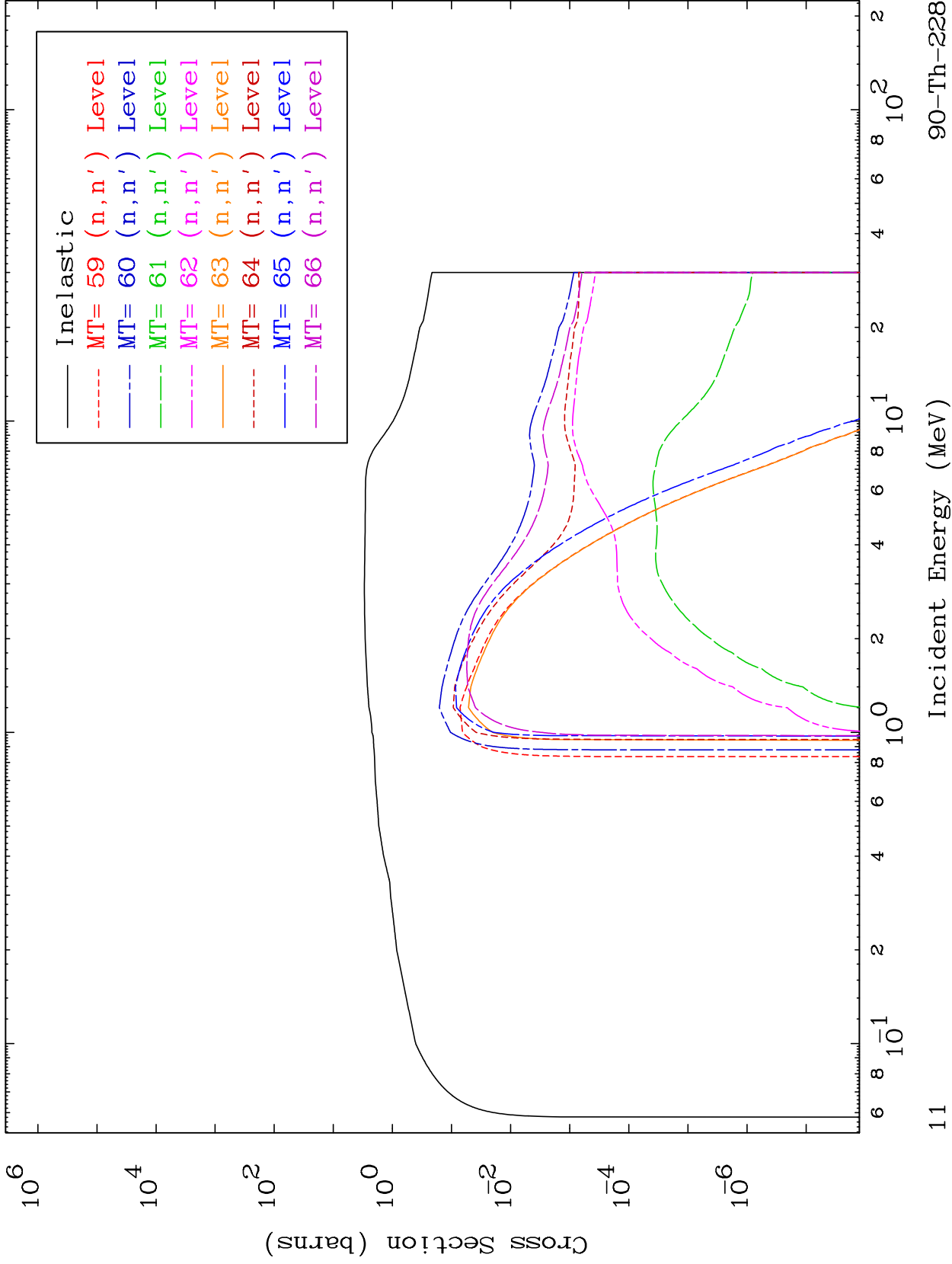
10

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(n,n') Levels

293 Kelvin Cross Sections

90-Th-228

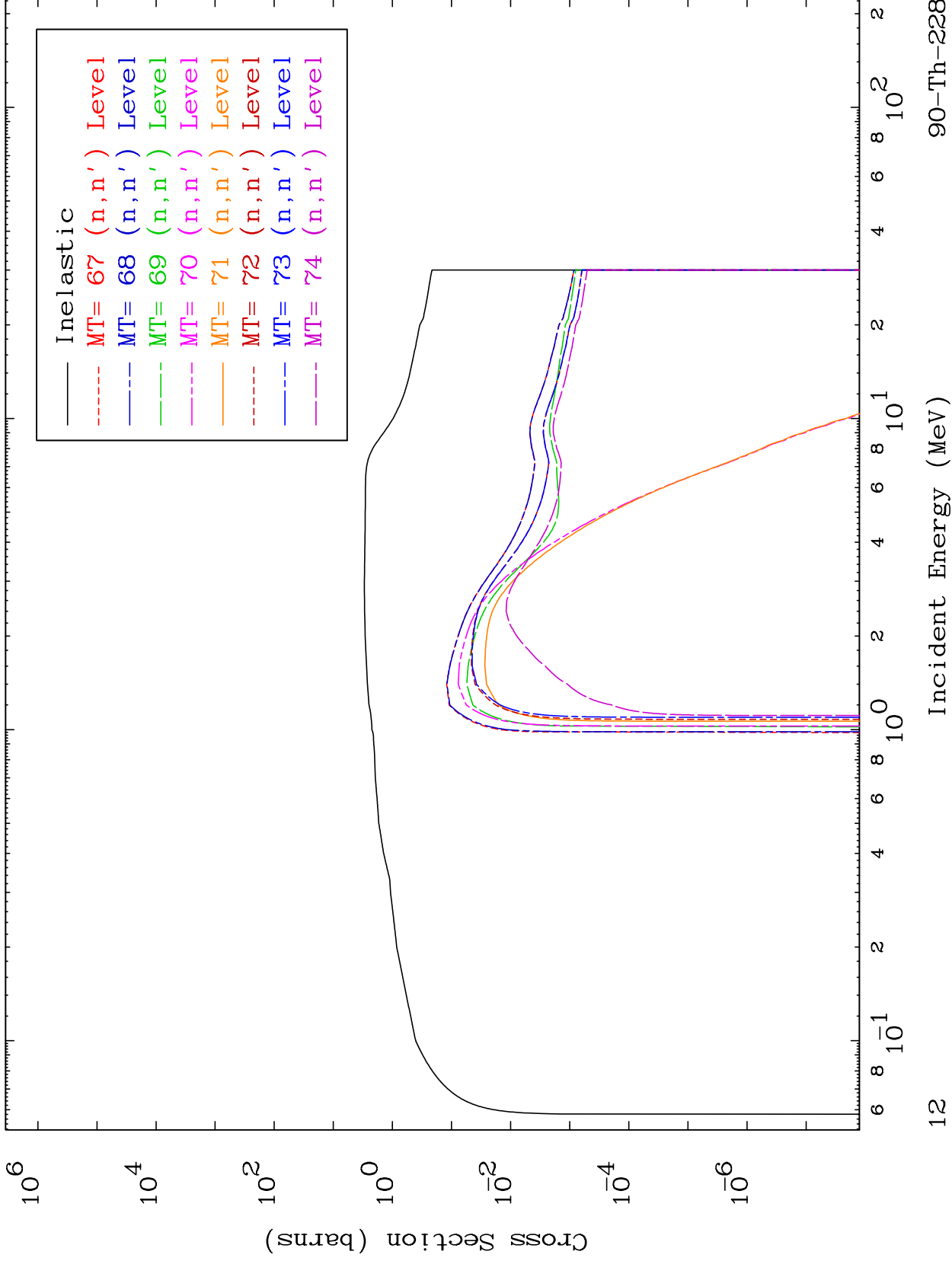


MAT 9028

(n,n') Levels

293 Kelvin Cross Sections

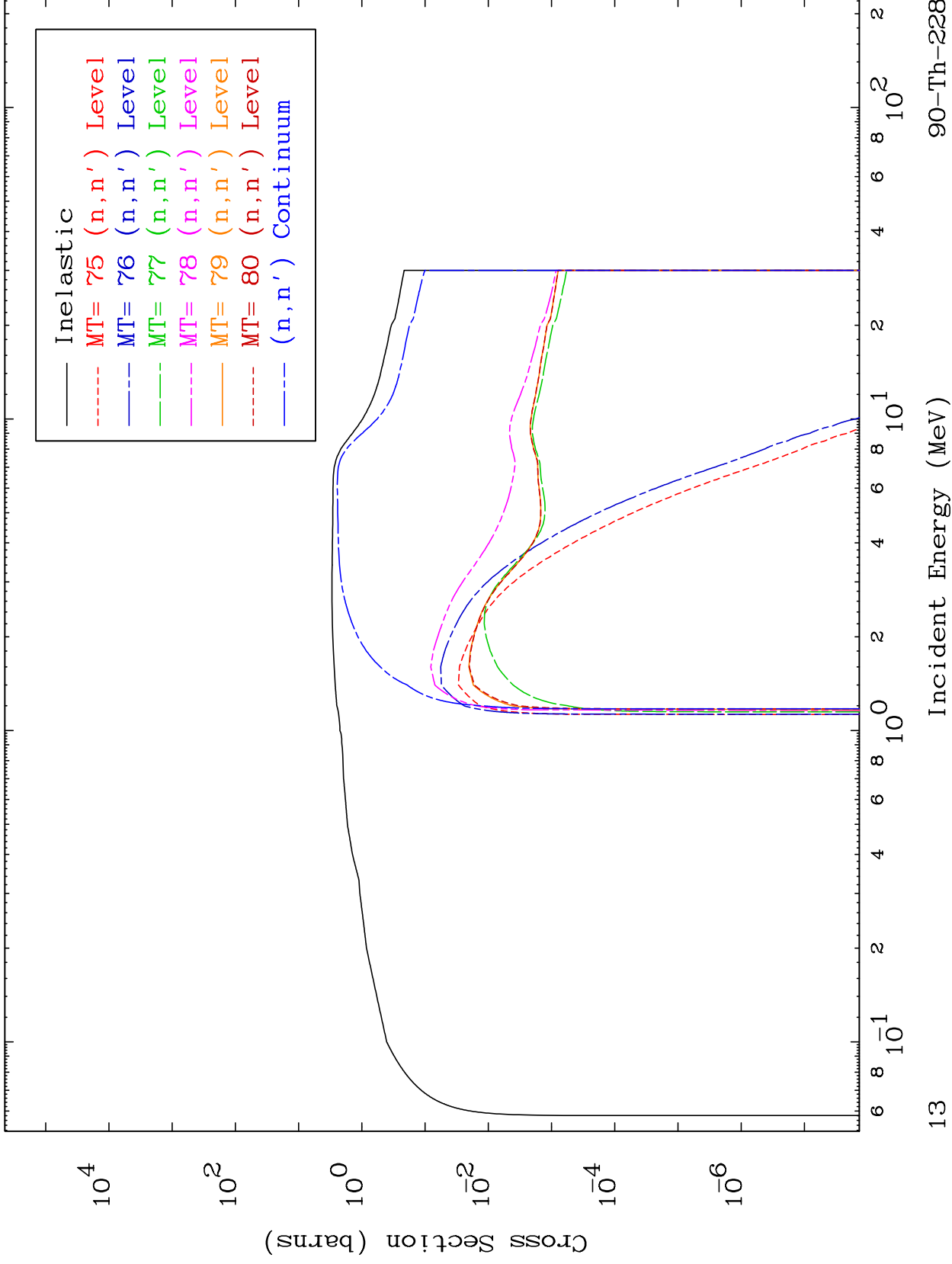
90-Th-228



MAT 9028

(n,n') Levels
293 Kelvin Cross Sections

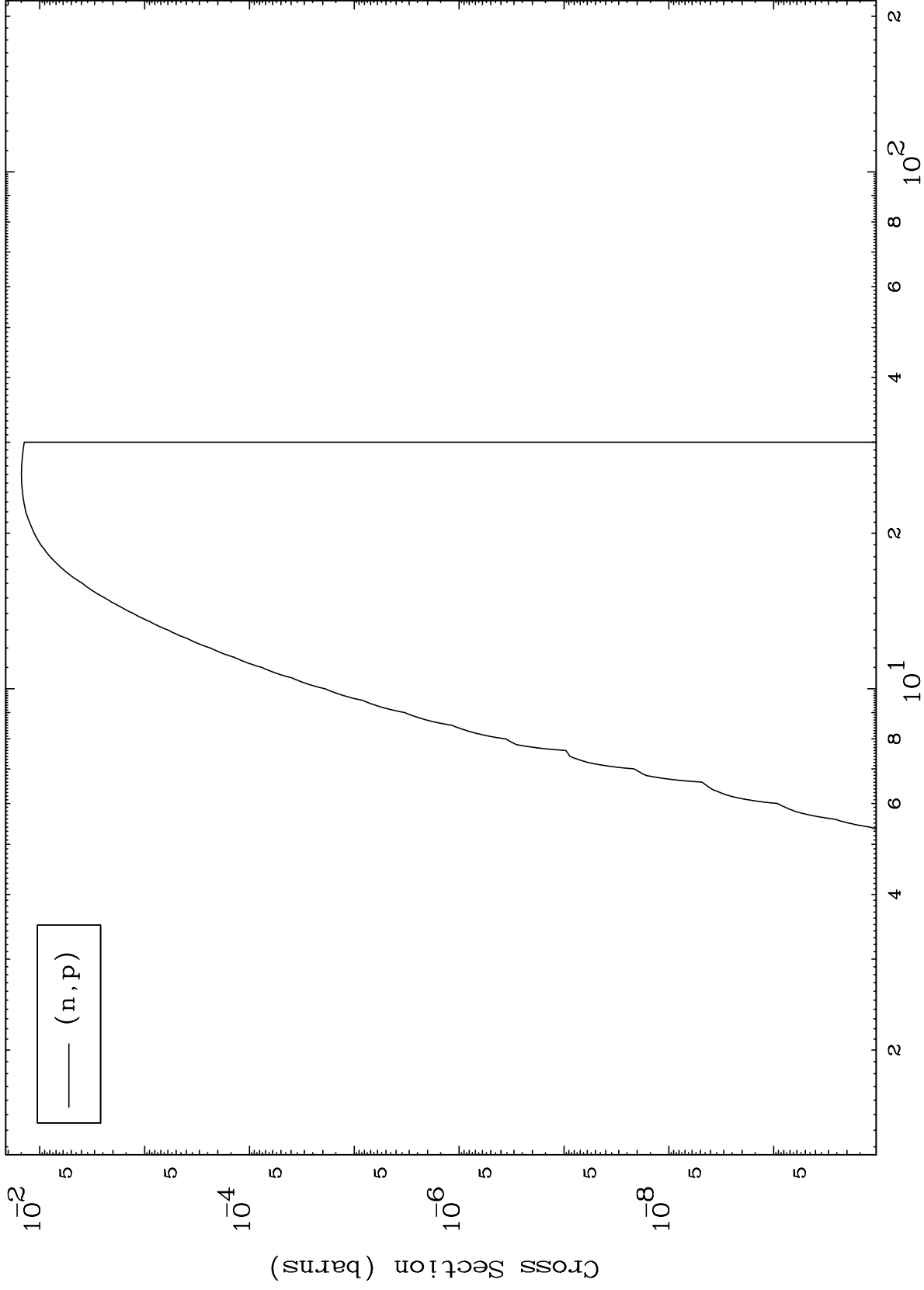
90-Th-228



MAT 9028

(n,p) Levels
293 Kelvin Cross Sections

90-Th-228



14

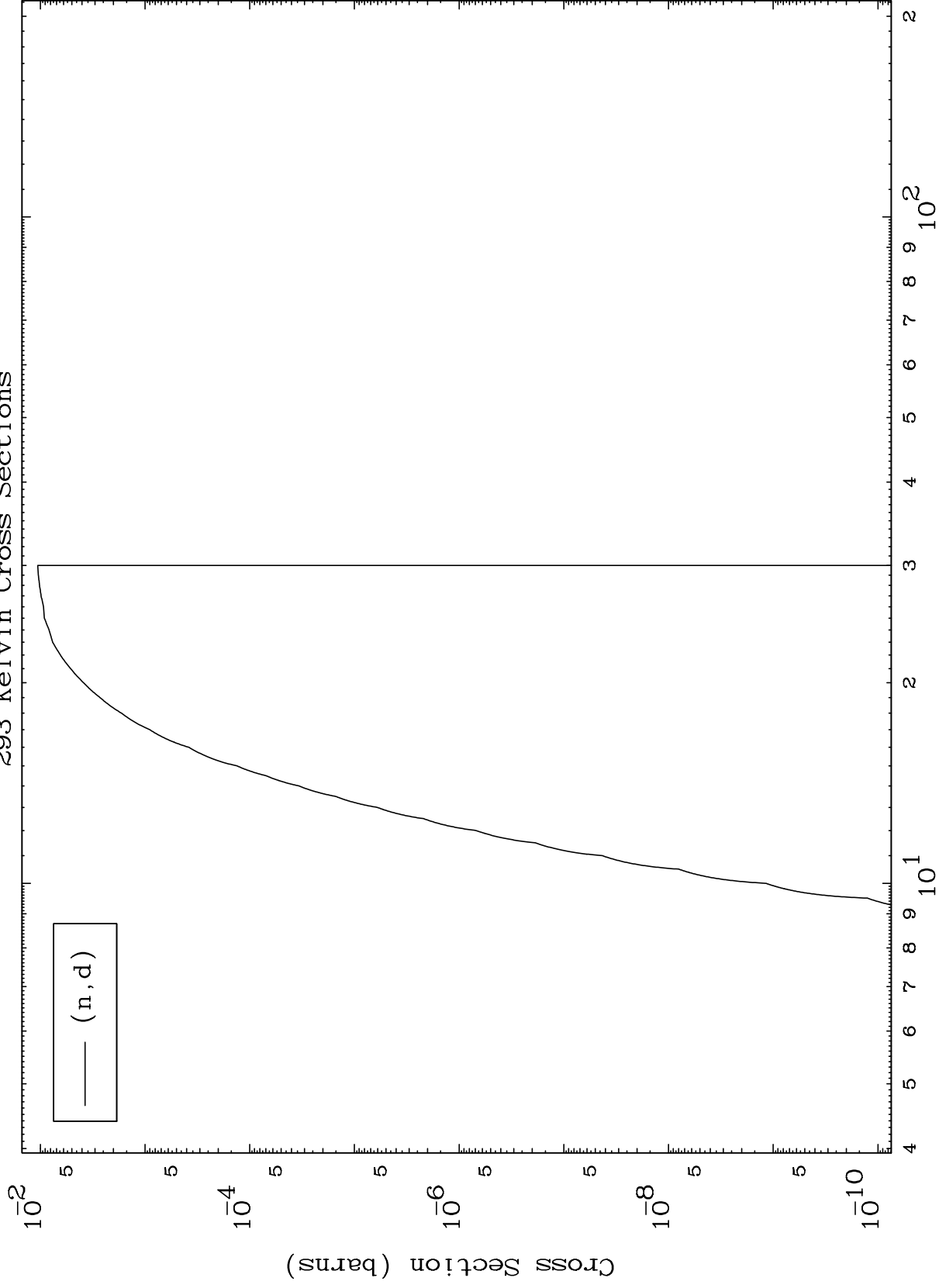
Incident Energy (MeV)

90-Th-228

MAT 9028

(n,d) Levels
293 Kelvin Cross Sections

90-Th-228



15

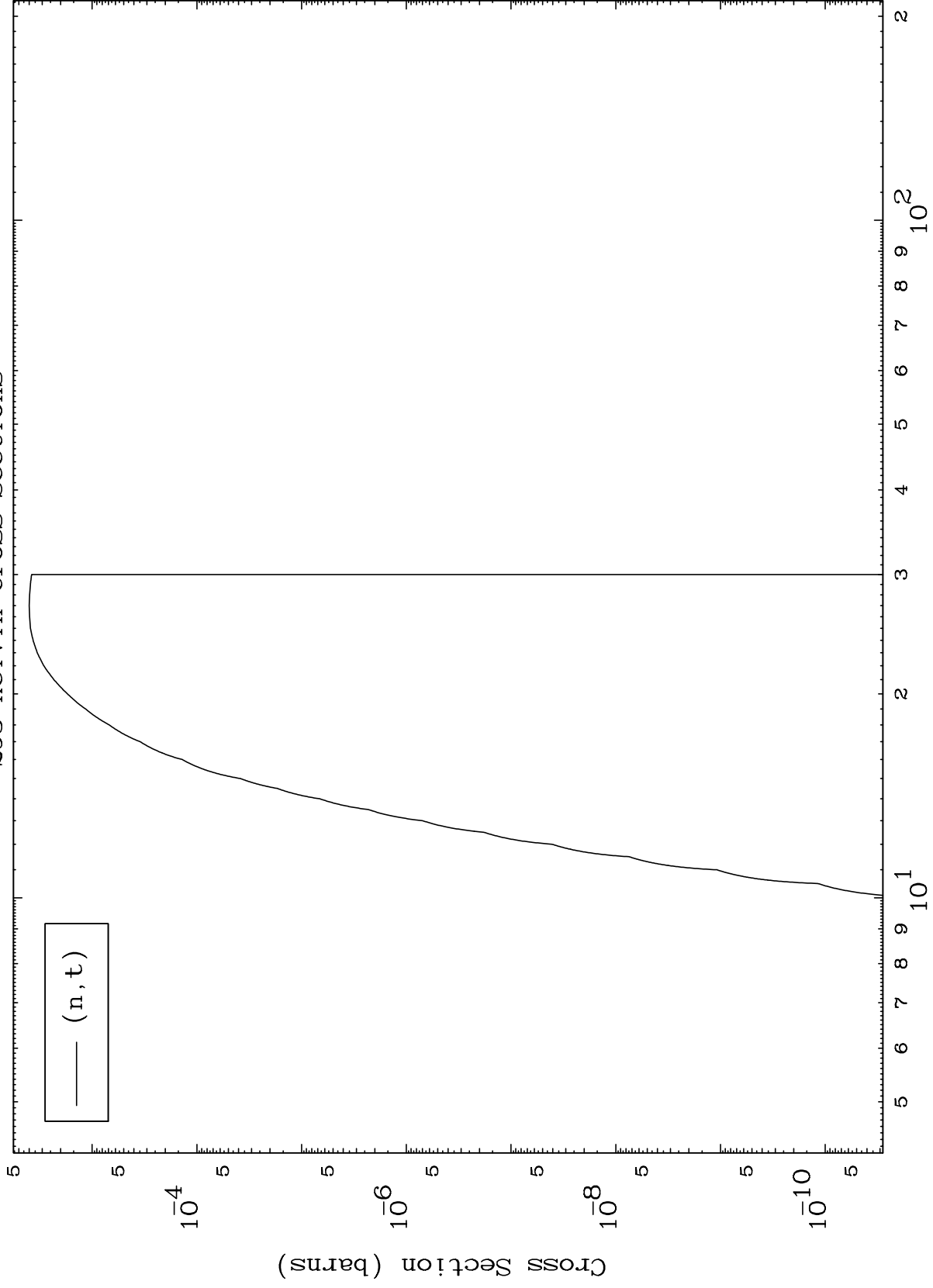
Incident Energy (MeV)

90-Th-228

MAT 9028

(n,t) Levels
293 Kelvin Cross Sections

90-Th-228



16

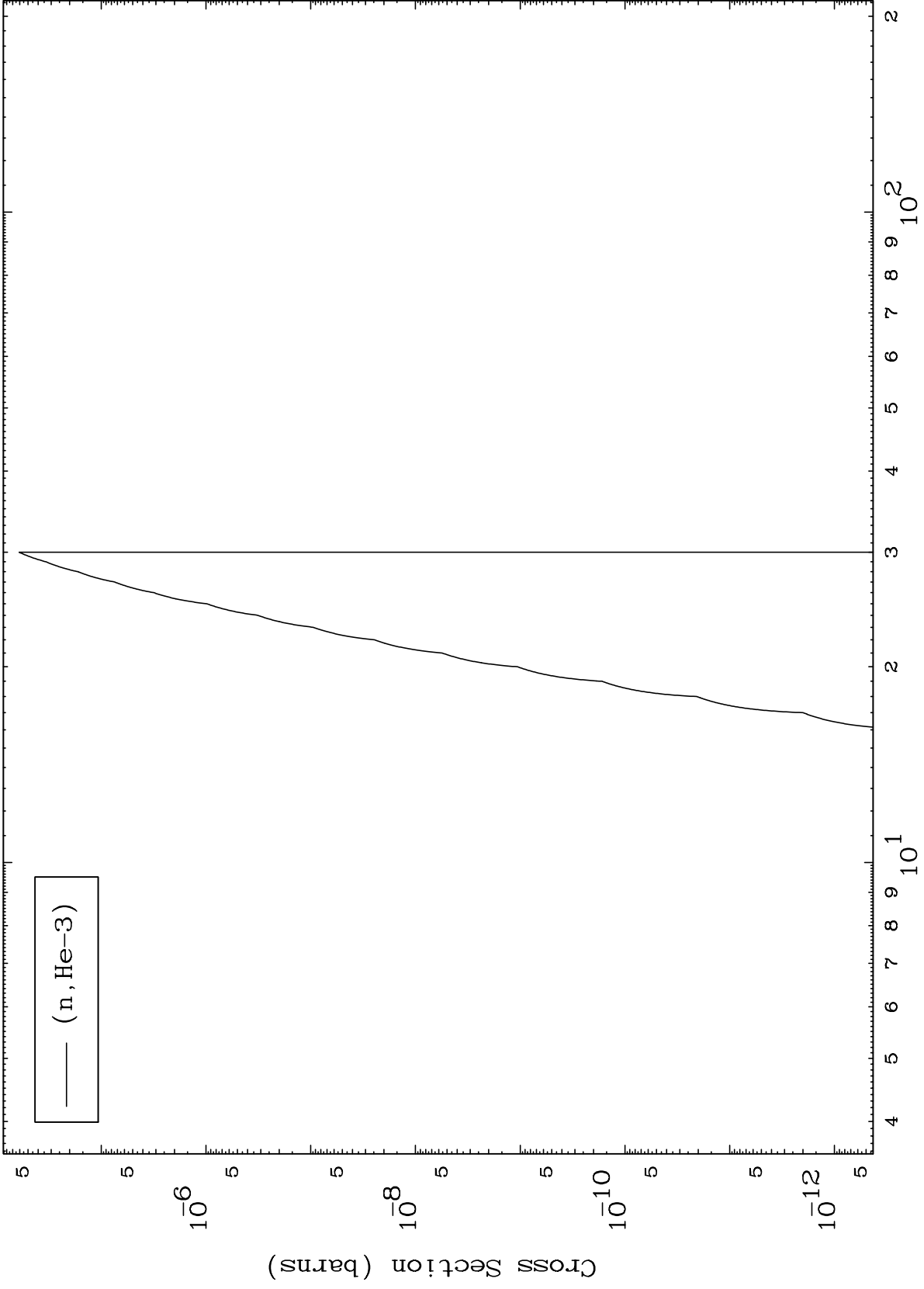
Incident Energy (MeV)

90-Th-228

MAT 9028

(n,He3) Levels
293 Kelvin Cross Sections

90-Th-228



17

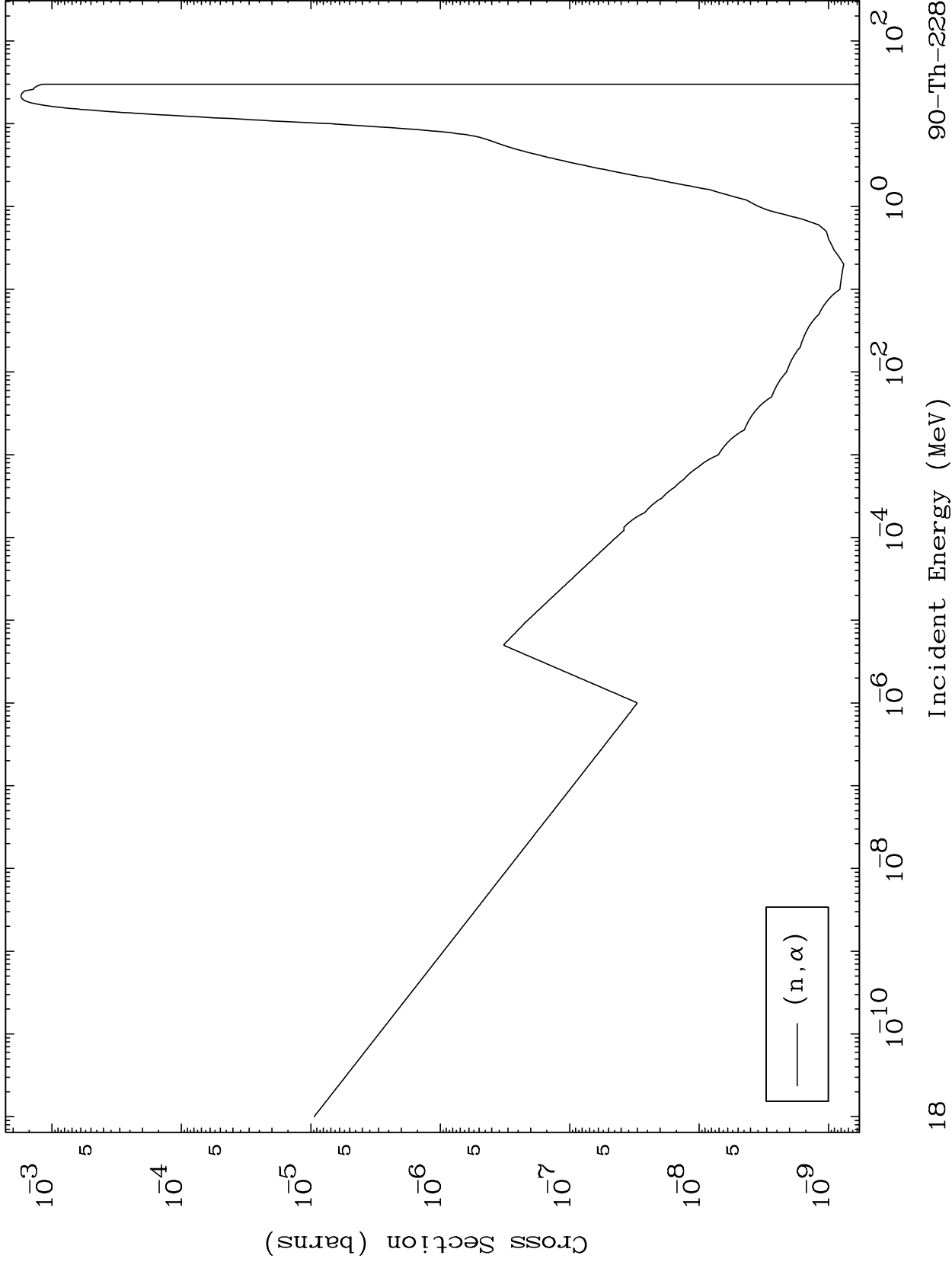
Incident Energy (MeV)

90-Th-228

MAT 9028

(n,α) Levels
293 Kelvin Cross Sections

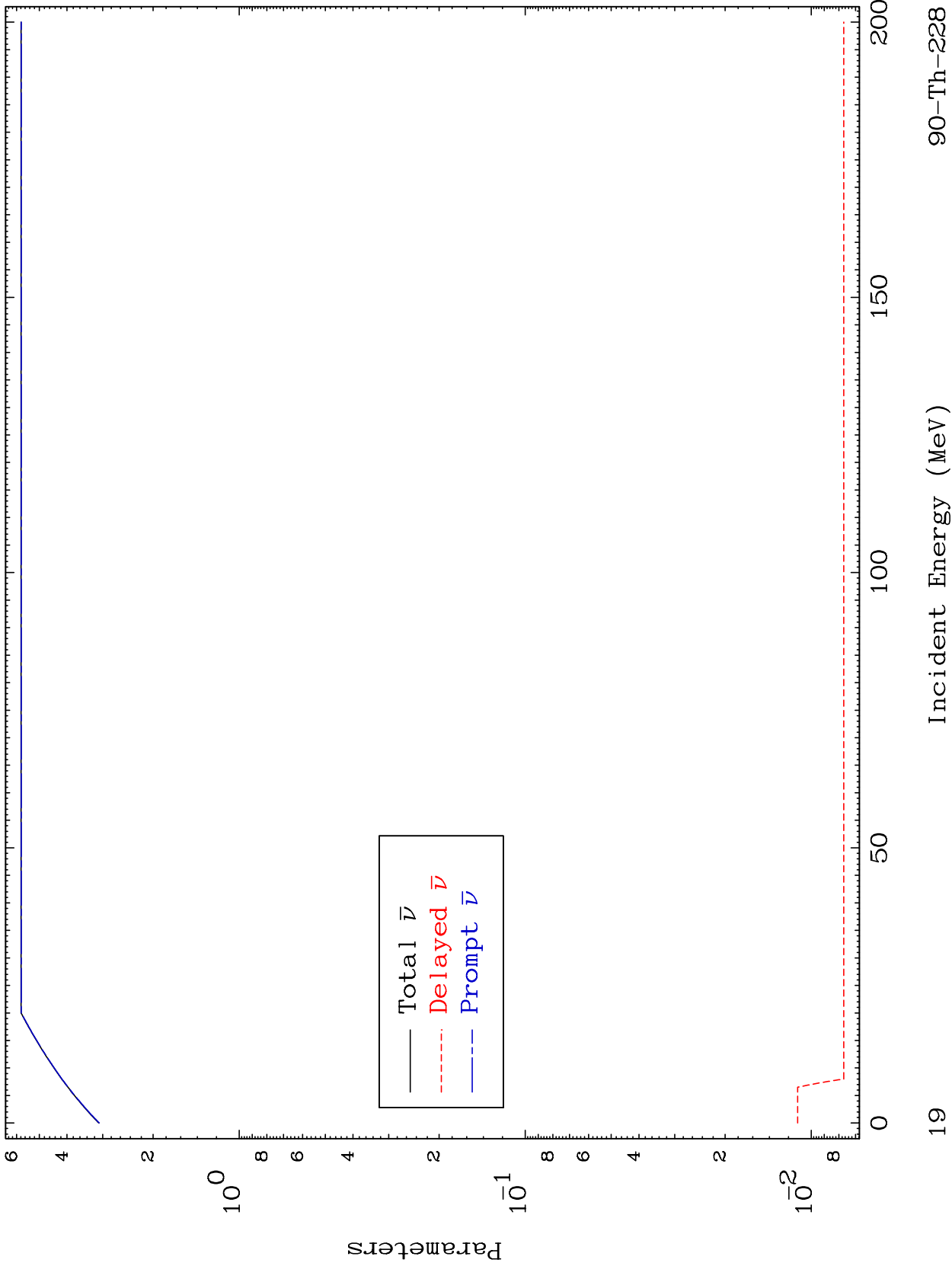
90-Th-228



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Energy Release
Parameters

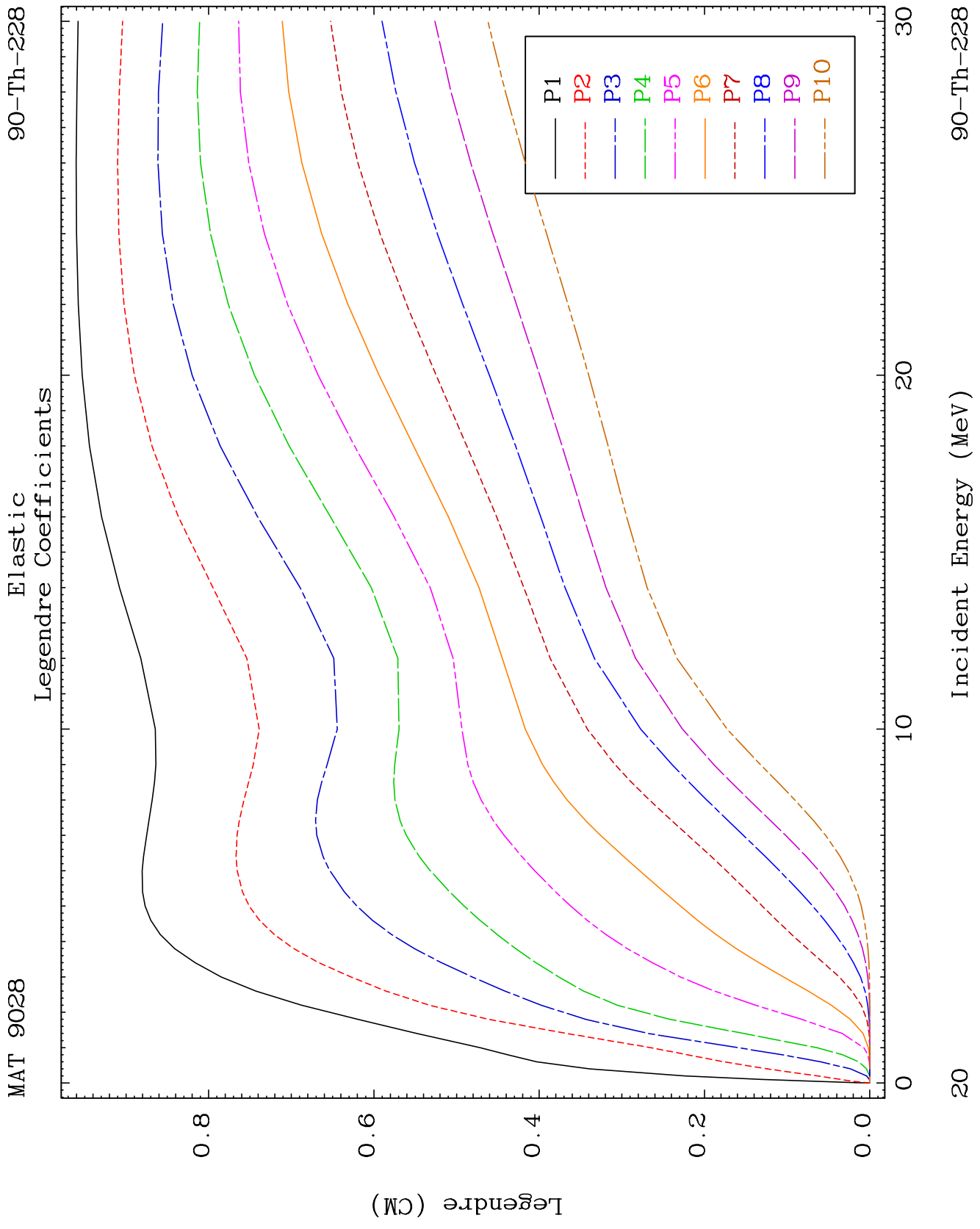
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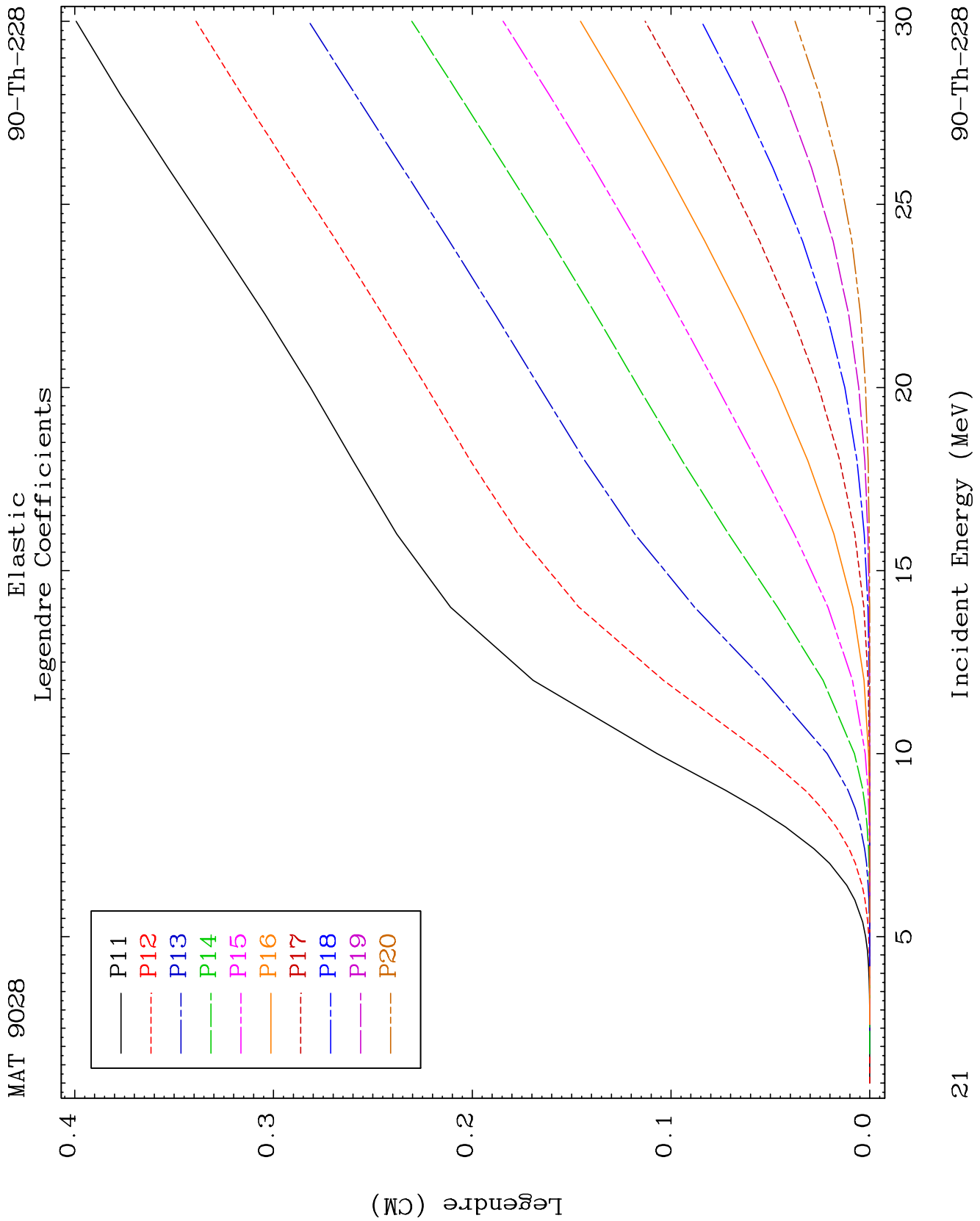


19

Incident Energy (MeV)

90-Th-228

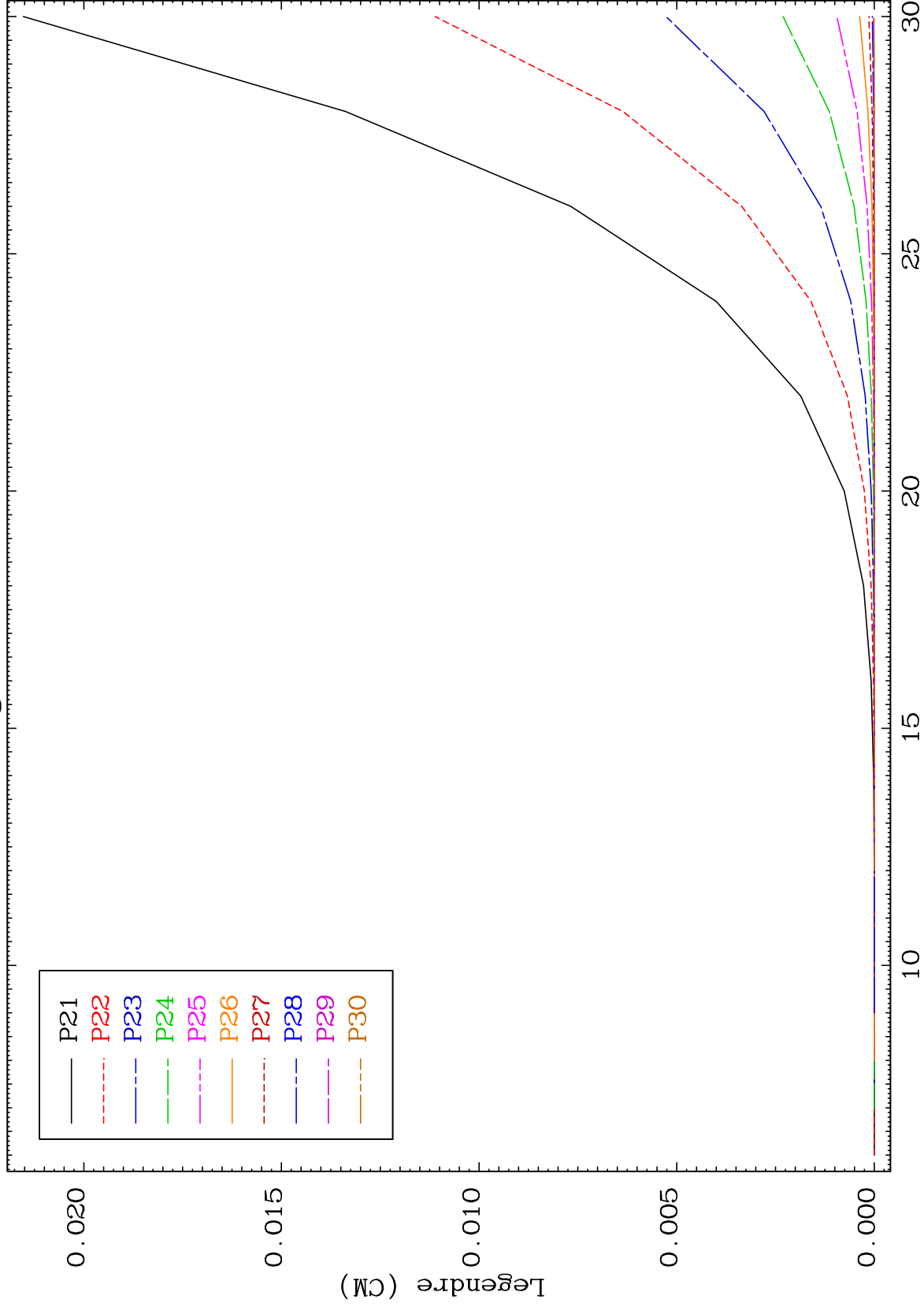




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Elastic Legendre Coefficients

90-Th-228



22

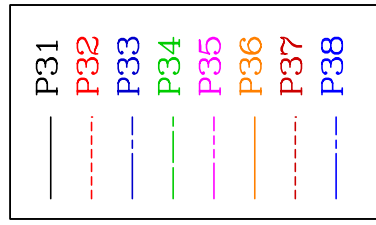
Incident Energy (MeV)

90-Th-228

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Elastic Legendre Coefficients

90-Th-228



$\times 10^{-6}$

Legendre (CM)

1.0

0.5

0.0

16

18

20

22

24

26

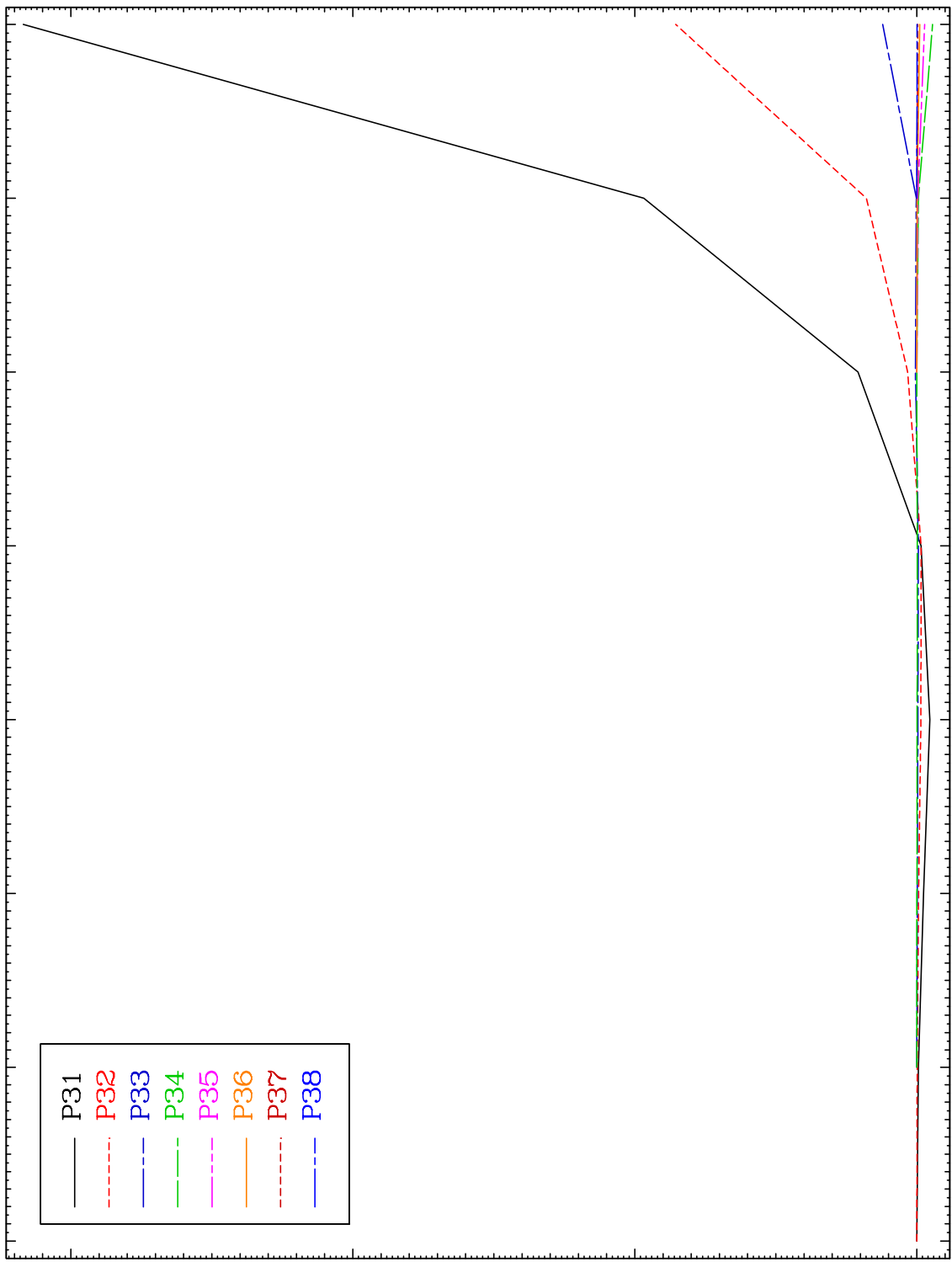
28

30

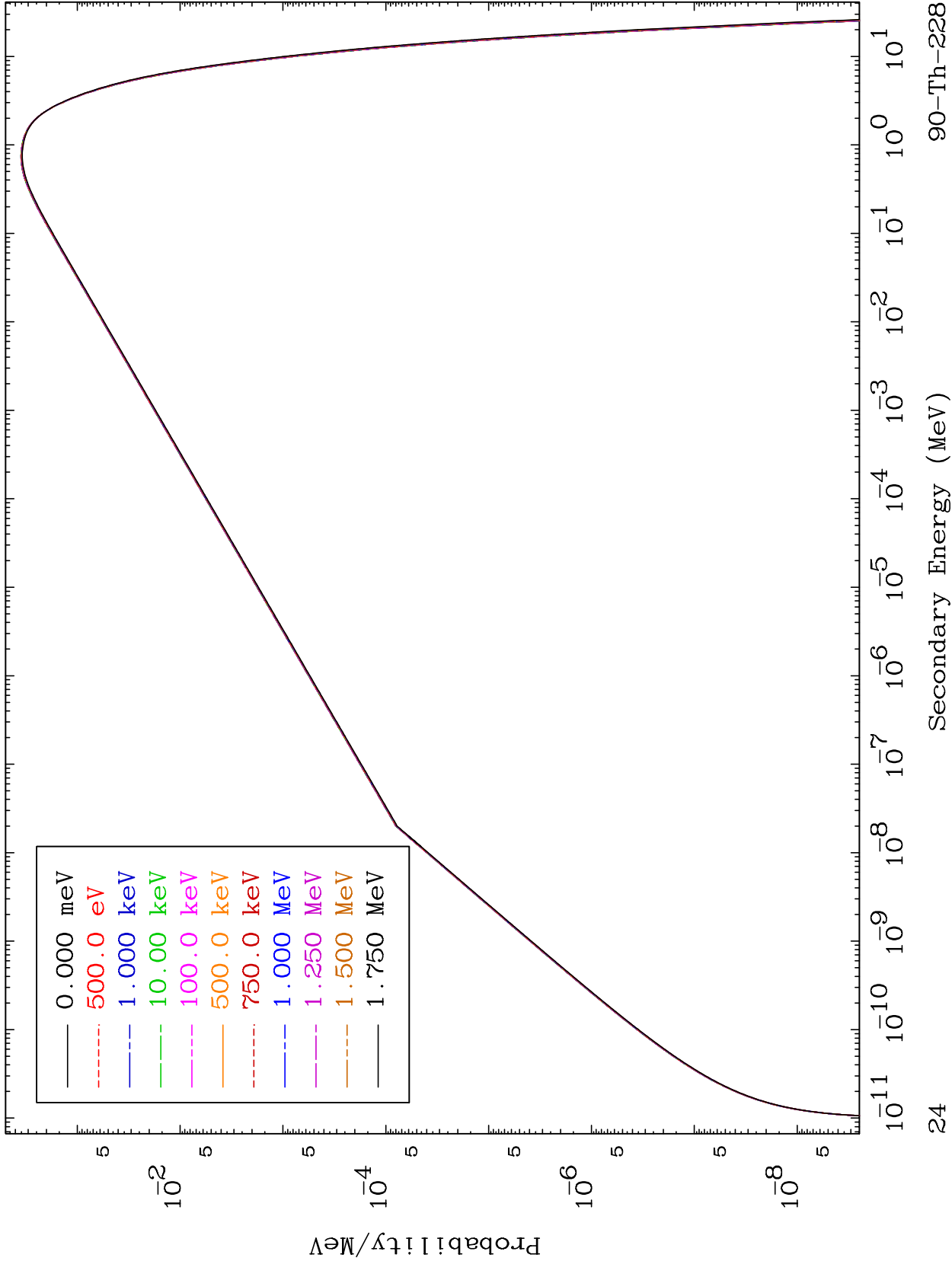
Incident Energy (MeV)

90-Th-228

23



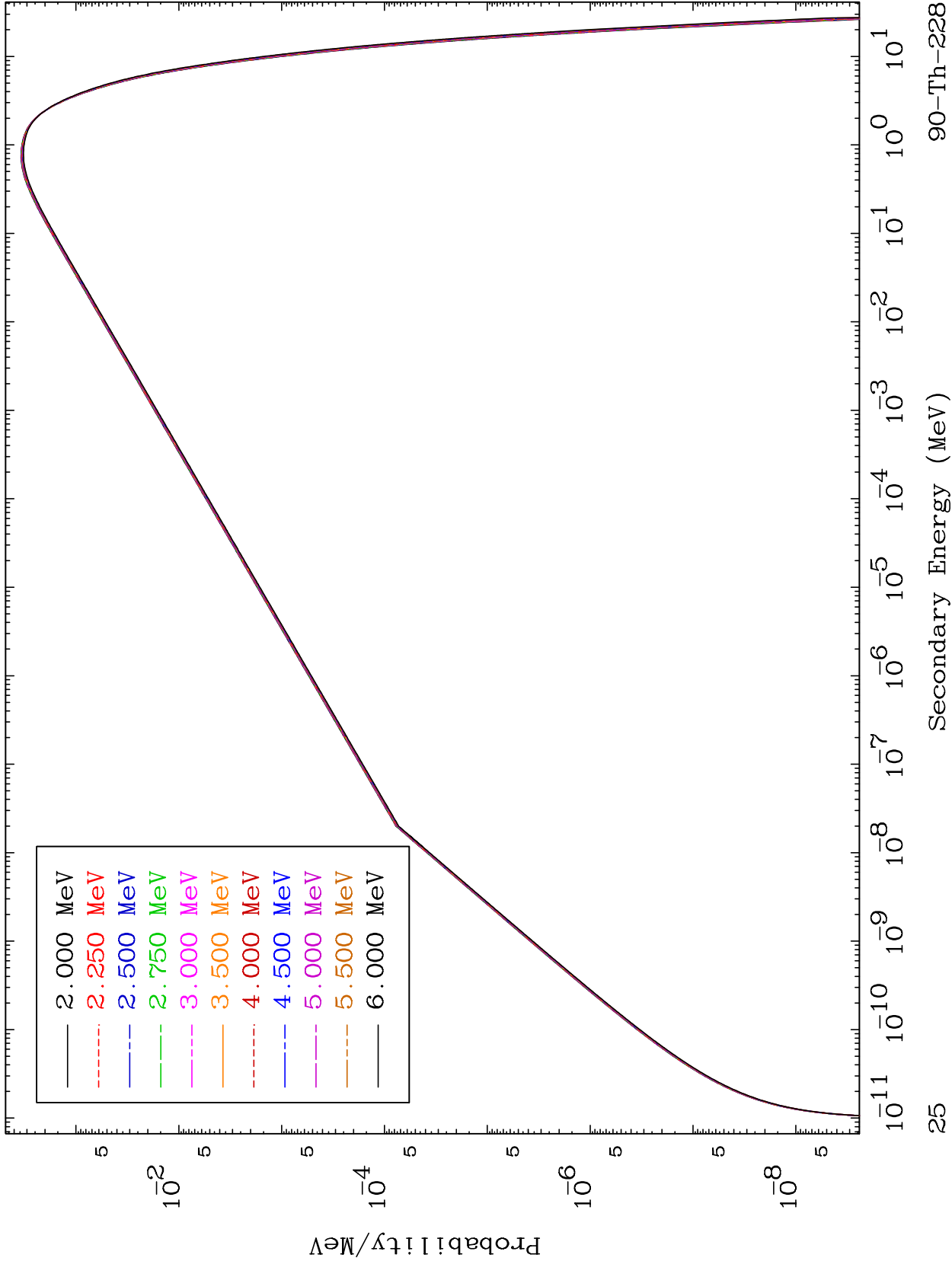
Fission Energy Distributions



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Fission Energy Distributions

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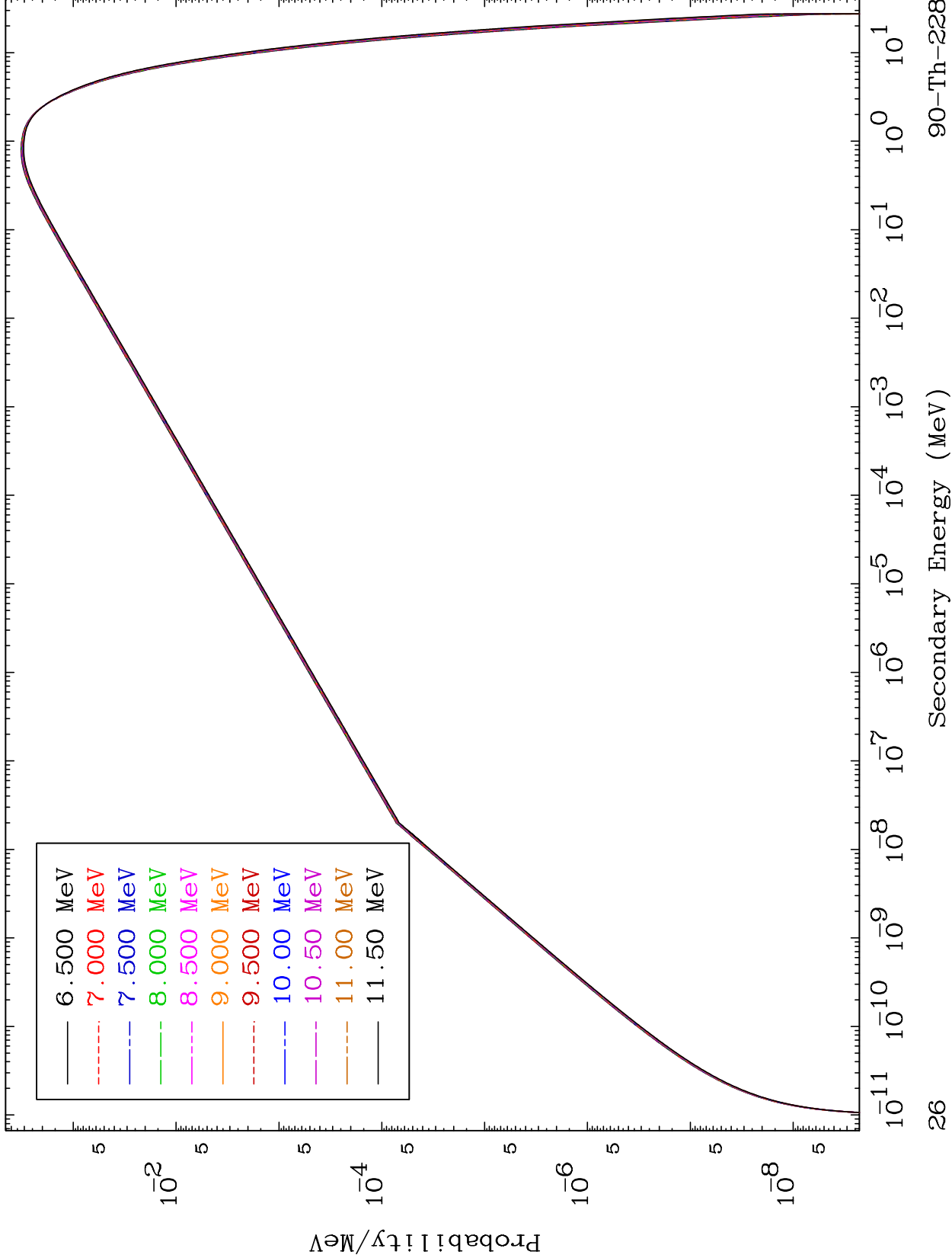
Secondary Energy (MeV)

25

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Fission Energy Distributions

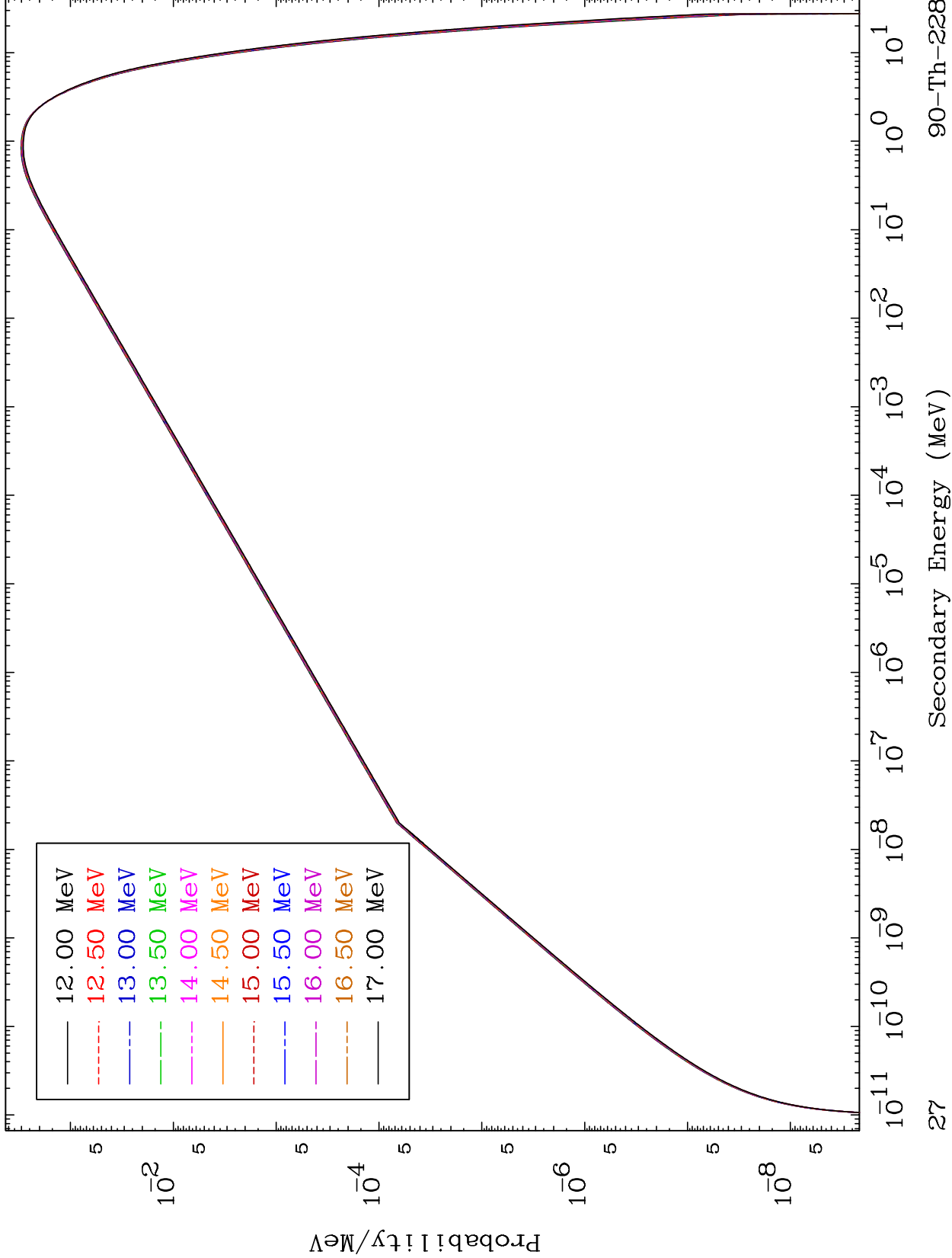
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Fission Energy Distributions

90-Th-228

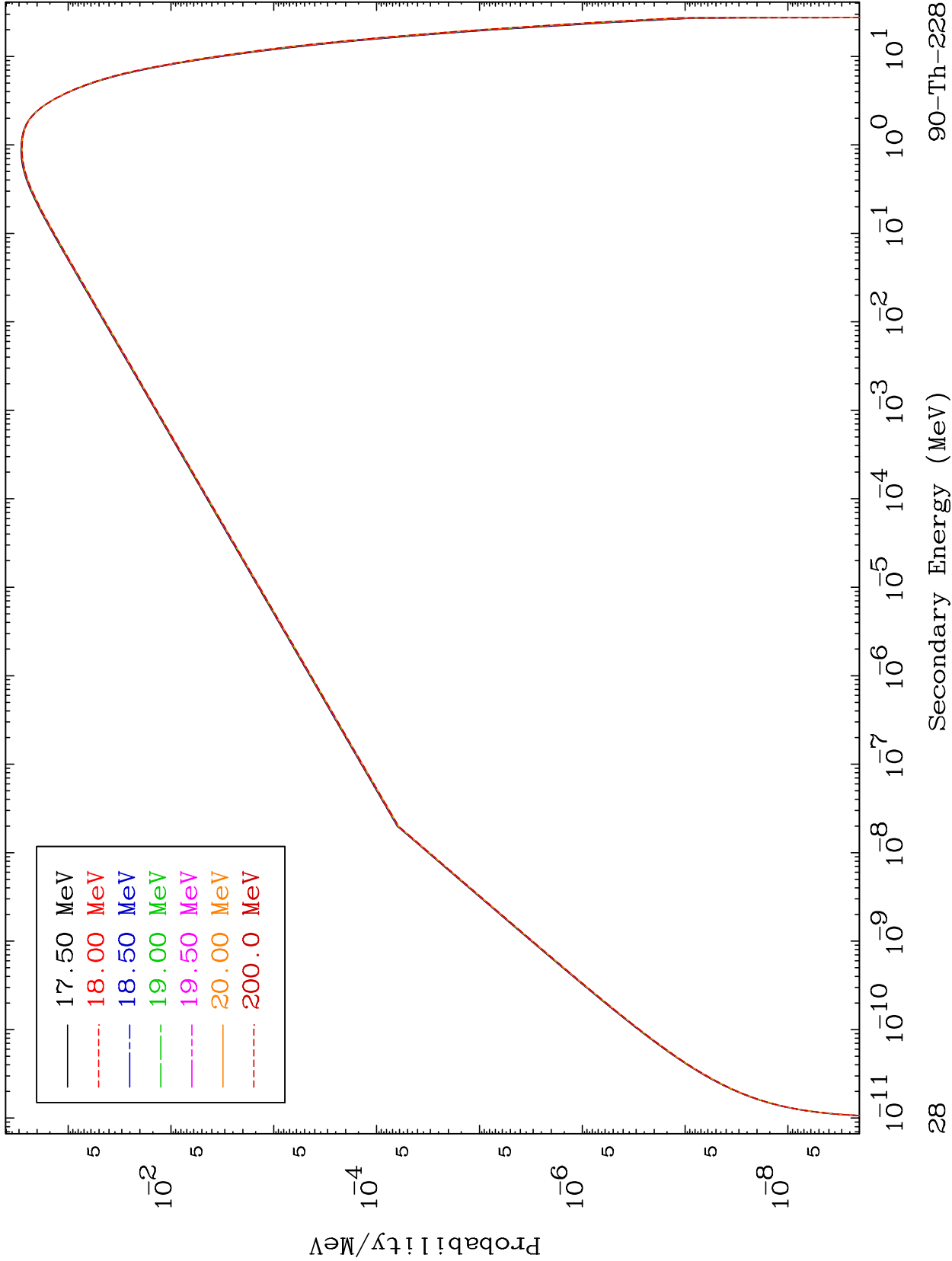


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Fission Energy Distributions

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- 17.50 MeV
- 18.00 MeV
- 18.50 MeV
- 19.00 MeV
- 19.50 MeV
- 20.00 MeV
- 200.0 MeV

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(n,p) α

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Radionuclide Production Cross Section

