

Program EVALPLOT  
(Version 2018-1)

by

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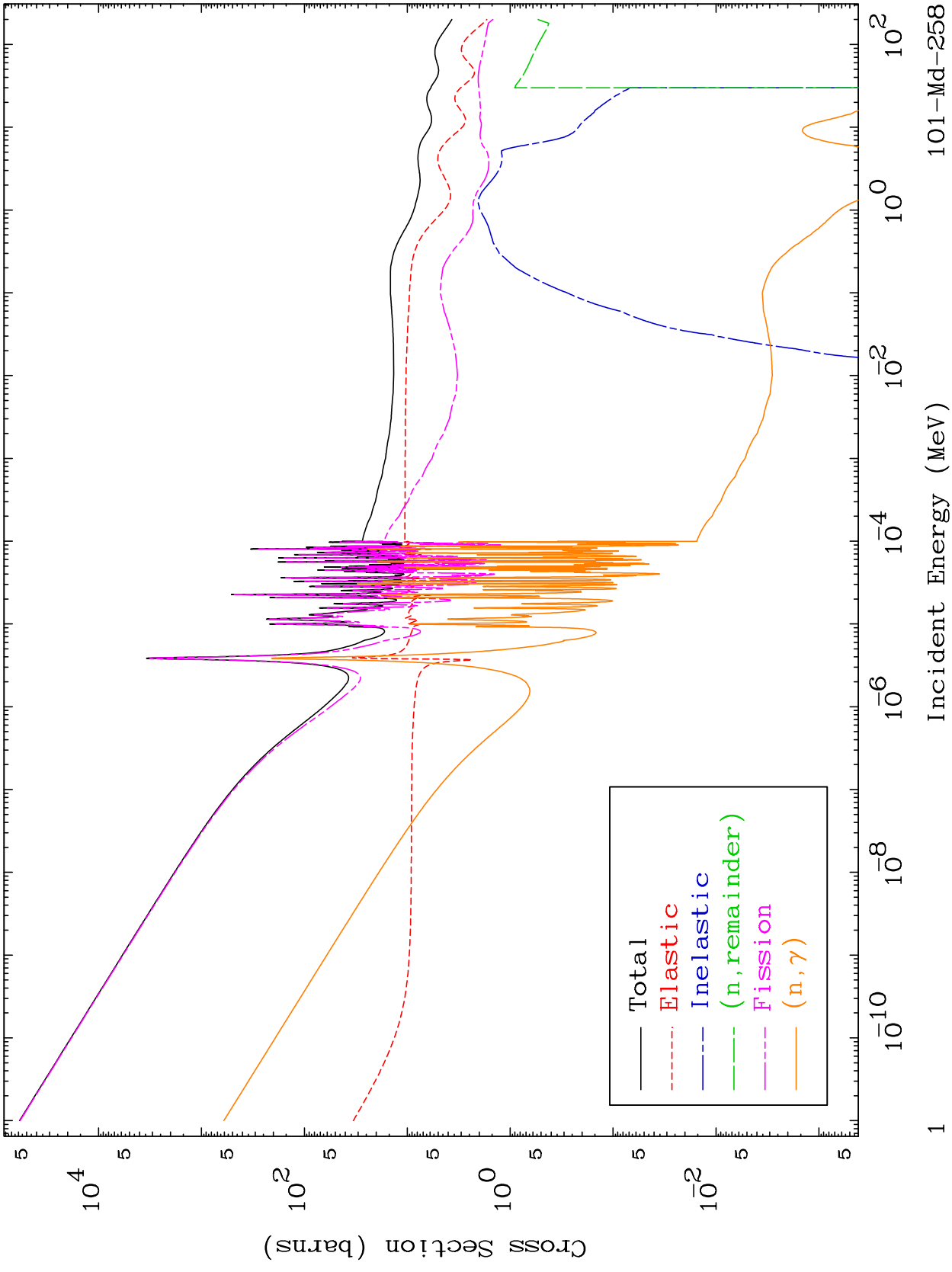
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9964

Major  
293 Kelvin Cross Sections

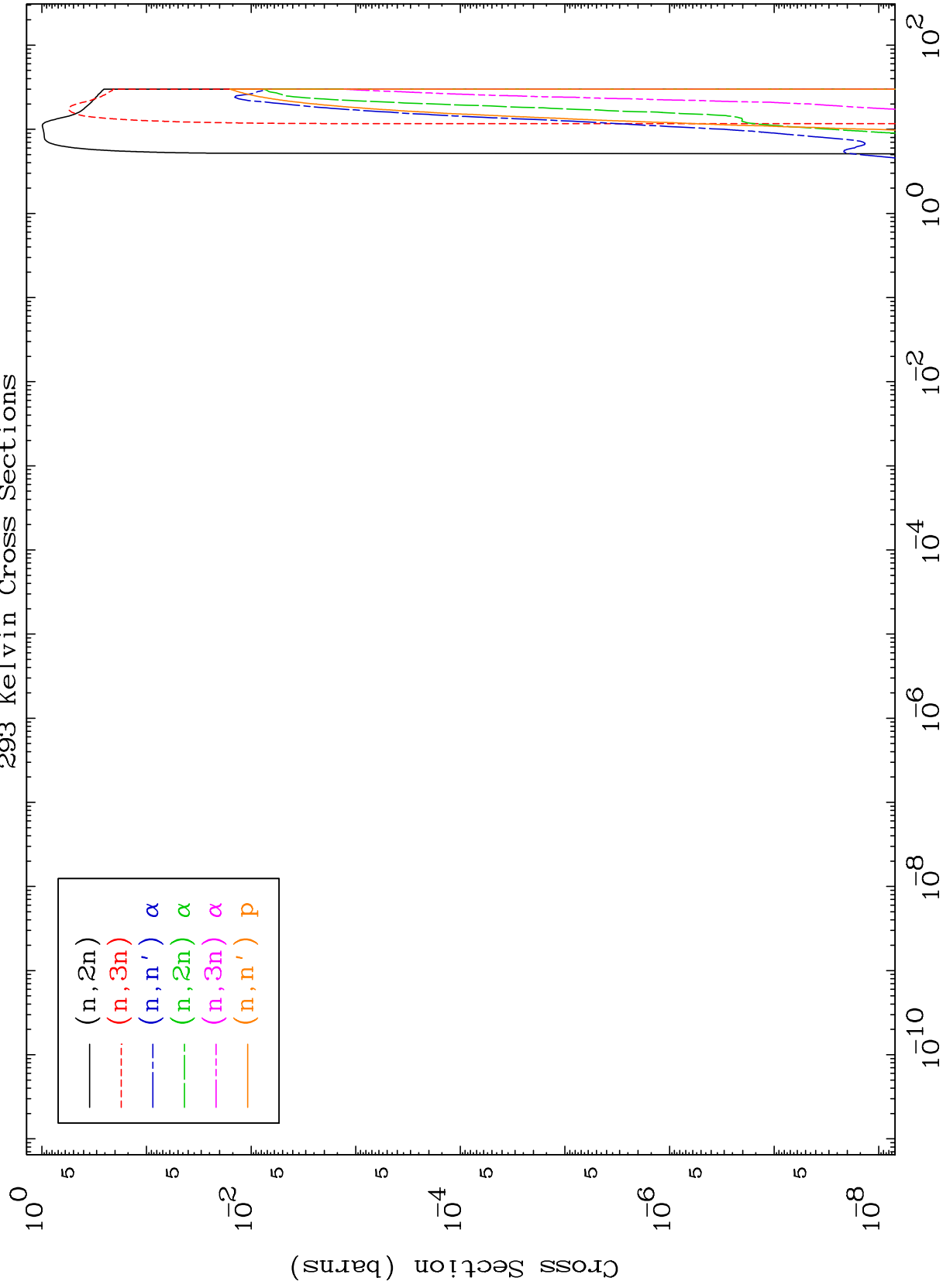
101-Md-258

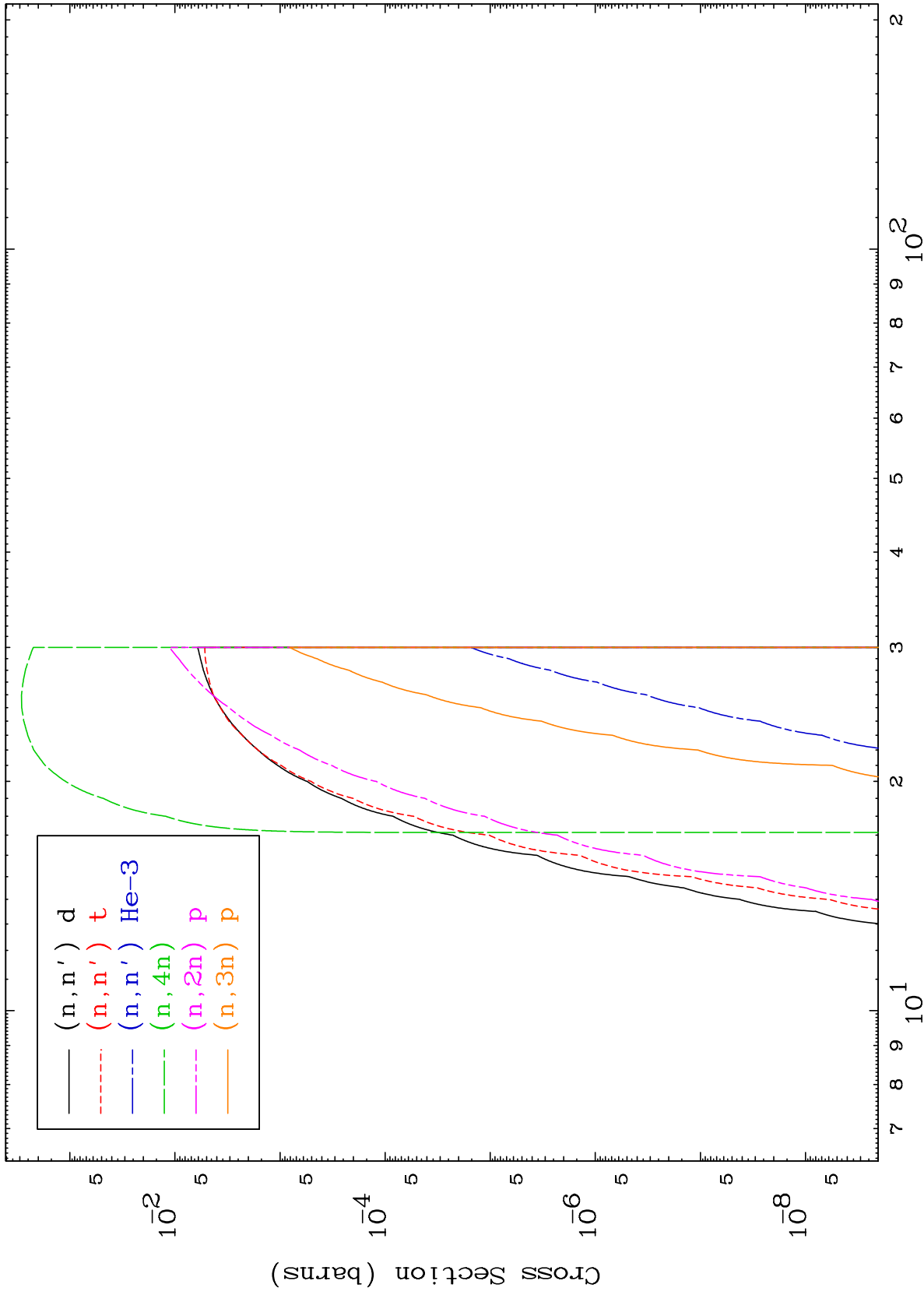


MAT 9964

Neutron Production  
293 Kelvin Cross Sections

101-Md-258

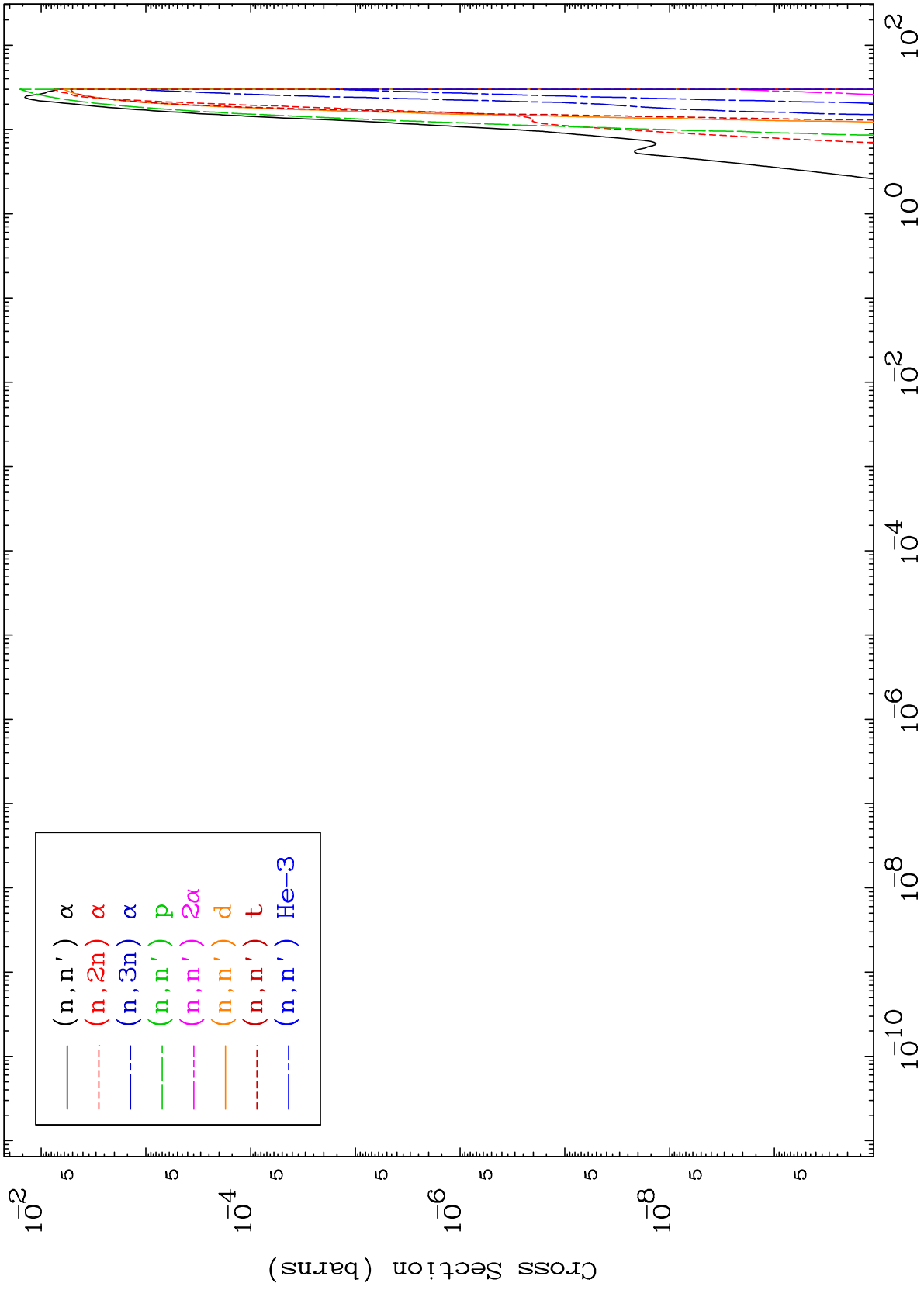




MAT 9964

Charged Particle  
293 Kelvin Cross Sections

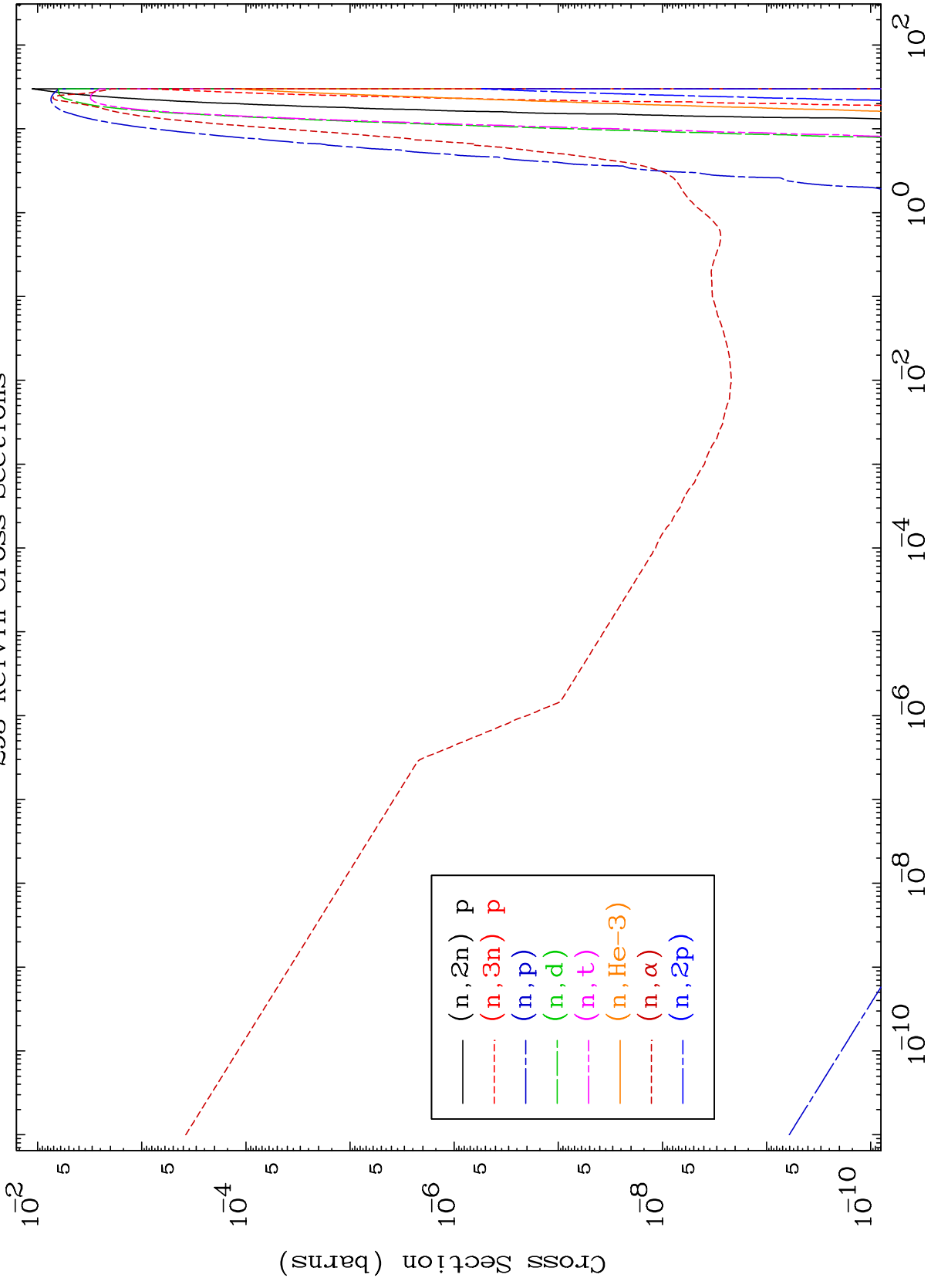
101-Md-258



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293 Kelvin Cross Sections  
Charged Particle

101-Md-258



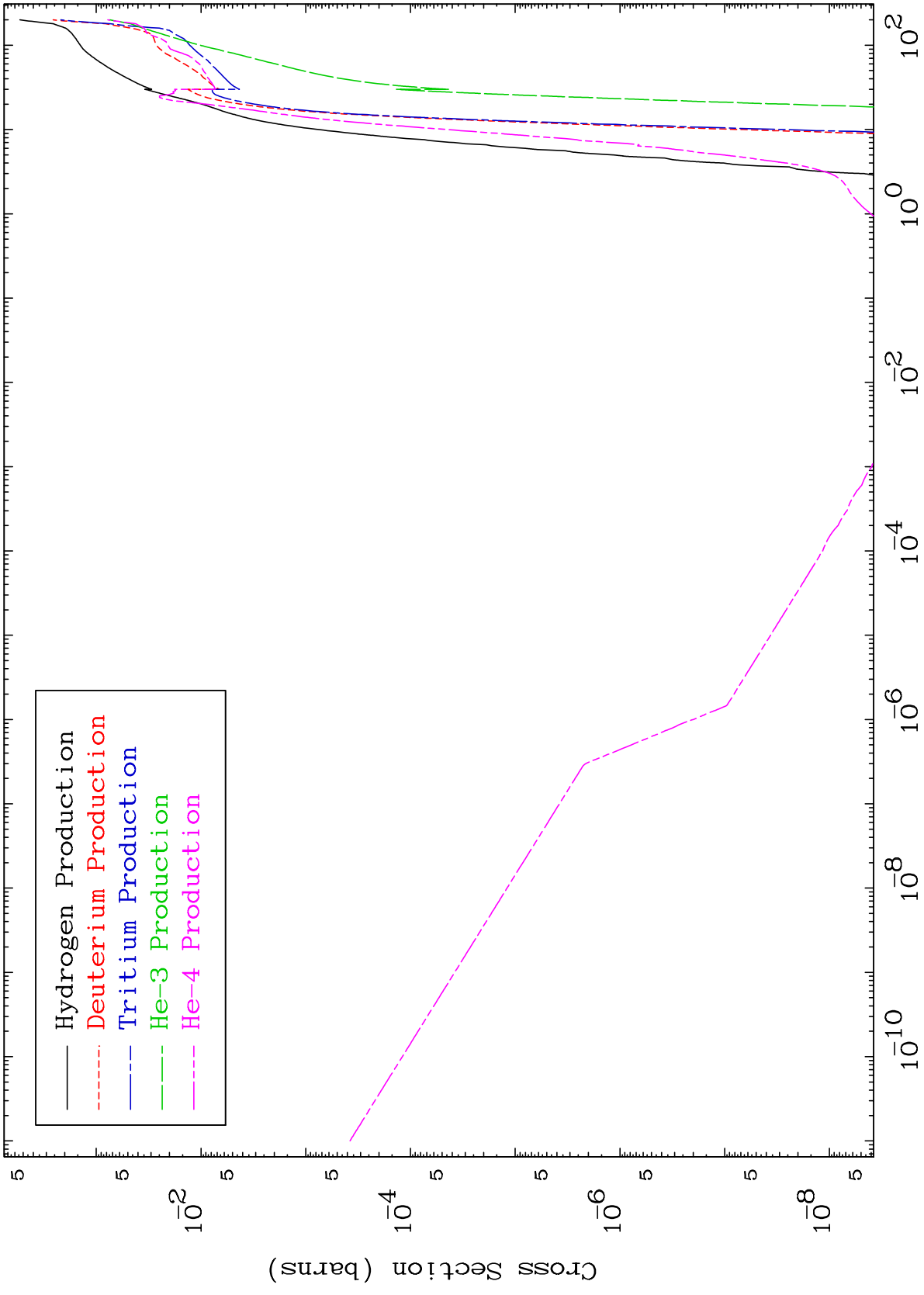
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Particle Production  
293 Kelvin Cross Sections

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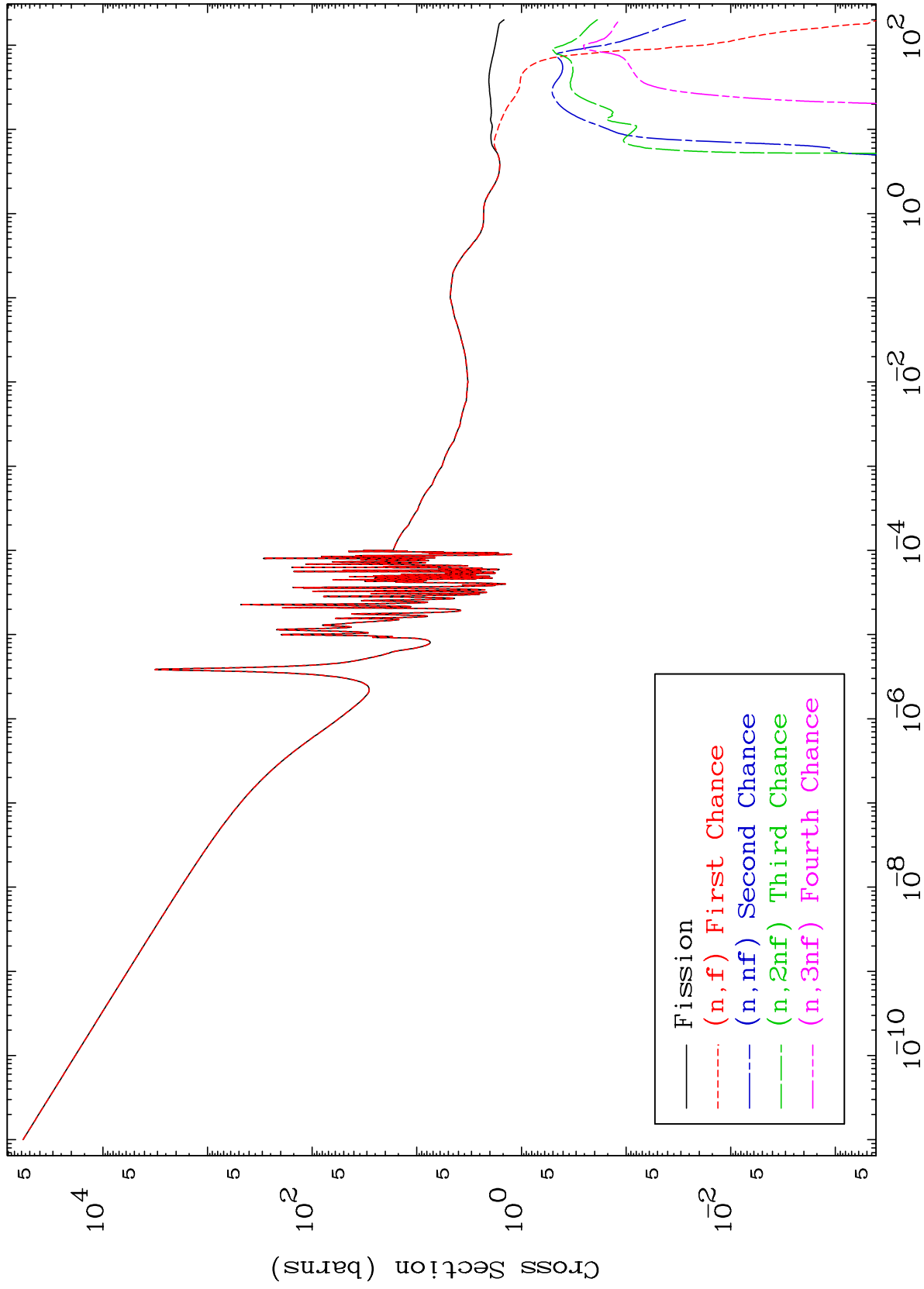
6

101-Md-258

MAT 9964

Fission  
293 Kelvin Cross Sections

101-Md-258

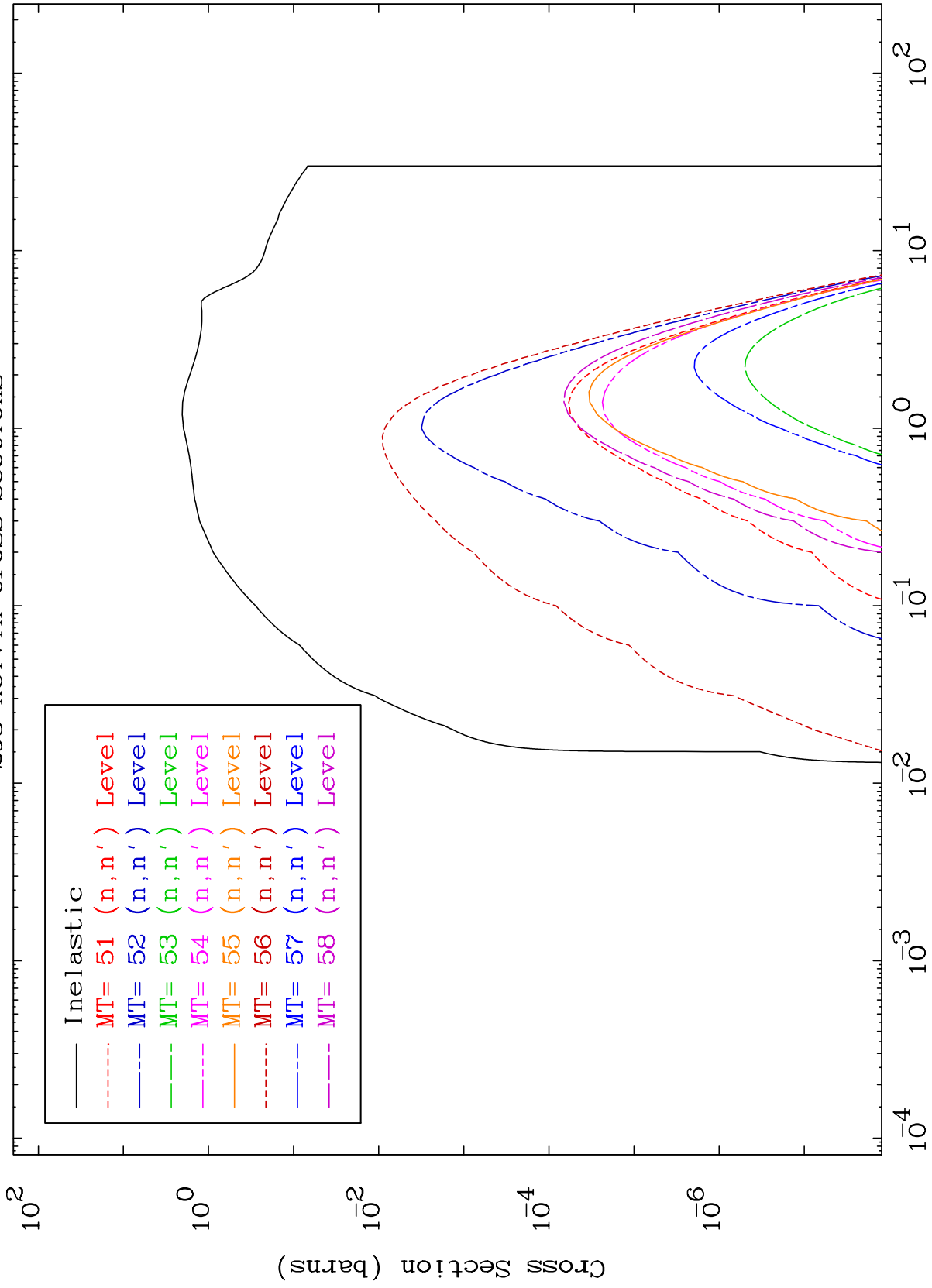




MAT 9964

293 Kelvin Cross Sections  
(n,n') Level

101-Md-258



—	Inelastic
- - -	MT= 51 (n,n') Level
- · - ·	MT= 52 (n,n') Level
- - -	MT= 53 (n,n') Level
- · - ·	MT= 54 (n,n') Level
- - -	MT= 55 (n,n') Level
- · - ·	MT= 56 (n,n') Level
- - -	MT= 57 (n,n') Level
- · - ·	MT= 58 (n,n') Level

101-Md-258

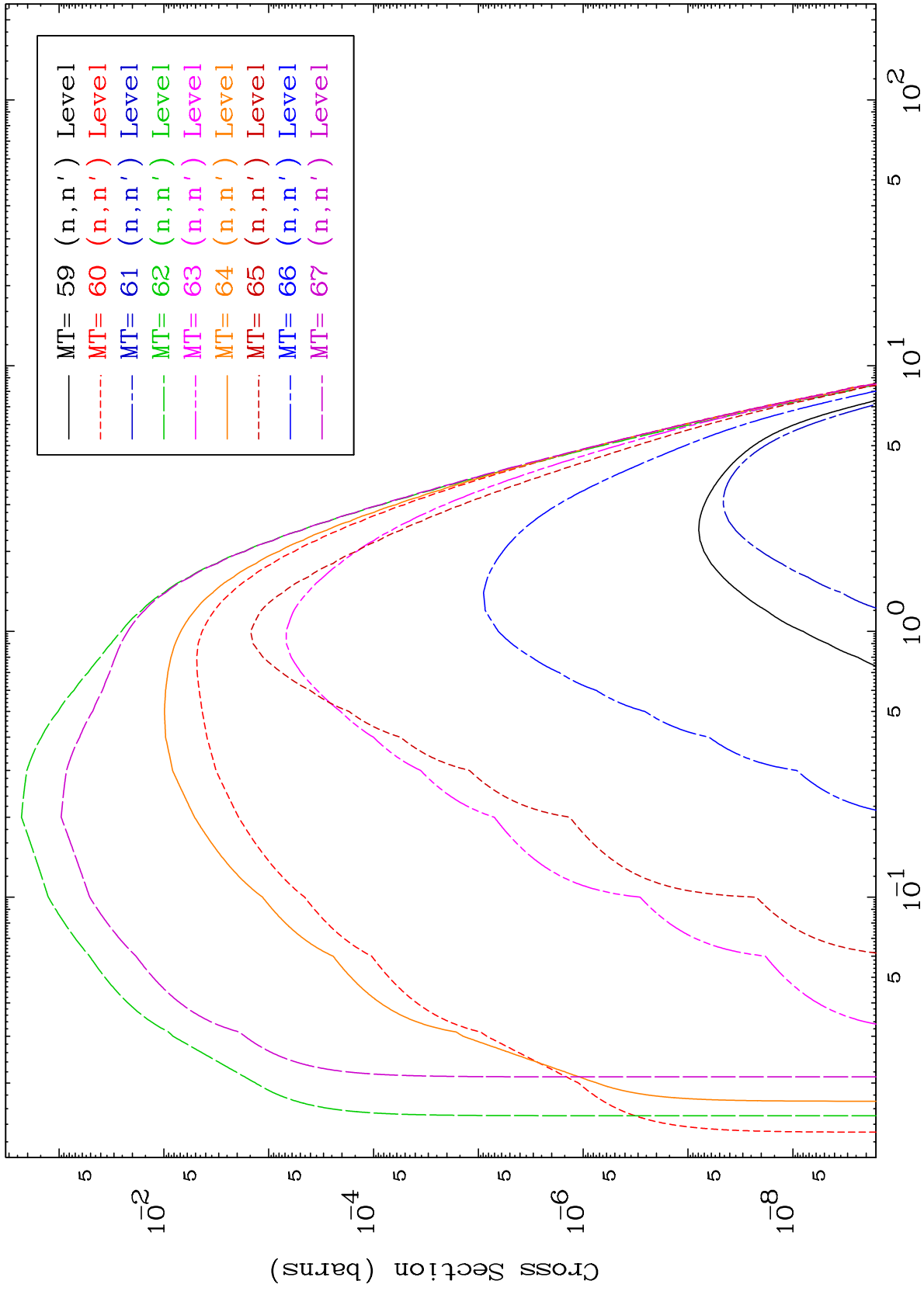
Incident Energy (MeV)

MAT 9964

(n,n') Level

101-Md-258

293 Kelvin Cross Sections



9

Incident Energy (MeV)

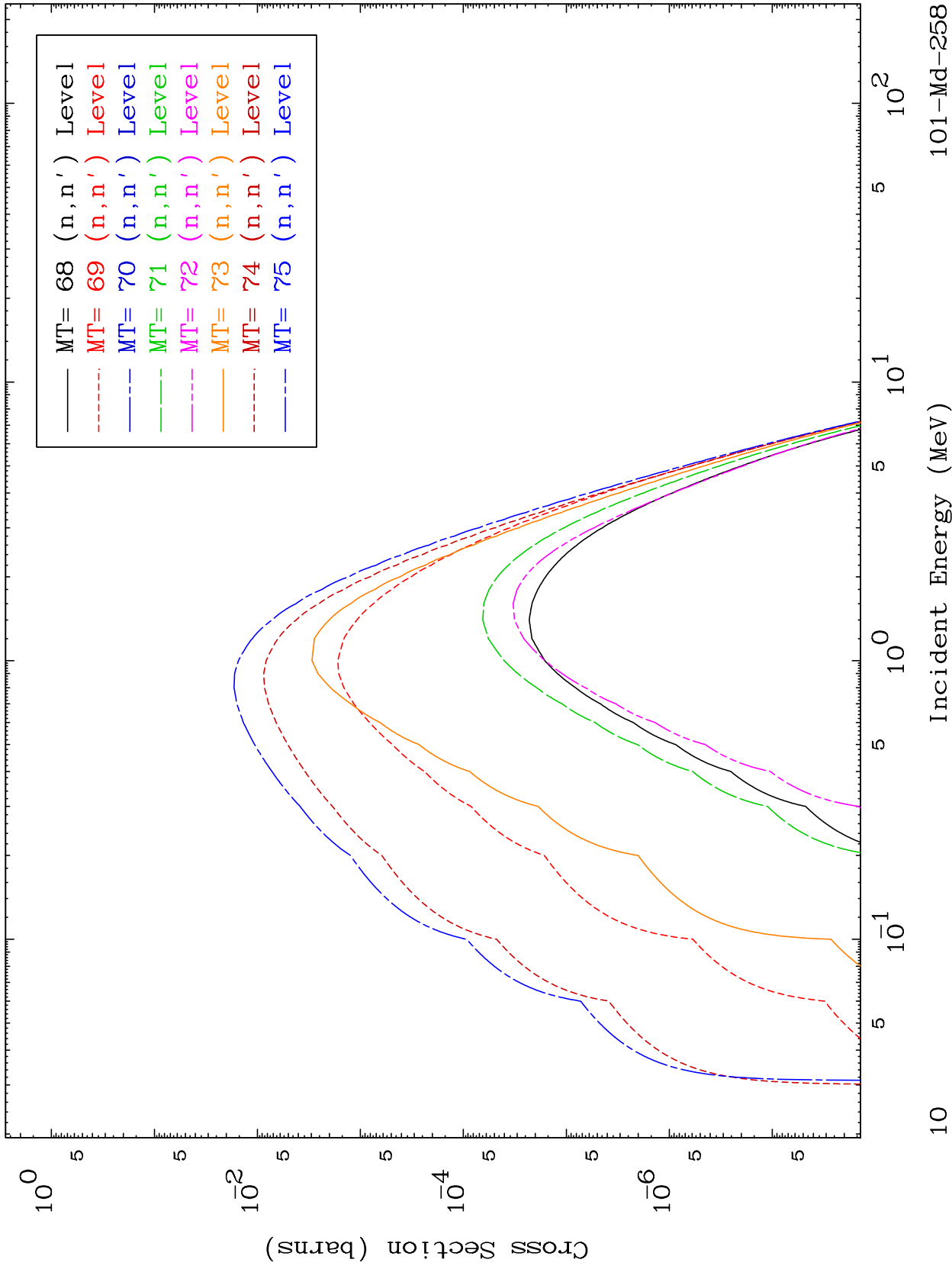
101-Md-258

MAT 9964

(n,n') Level

101-Md-258

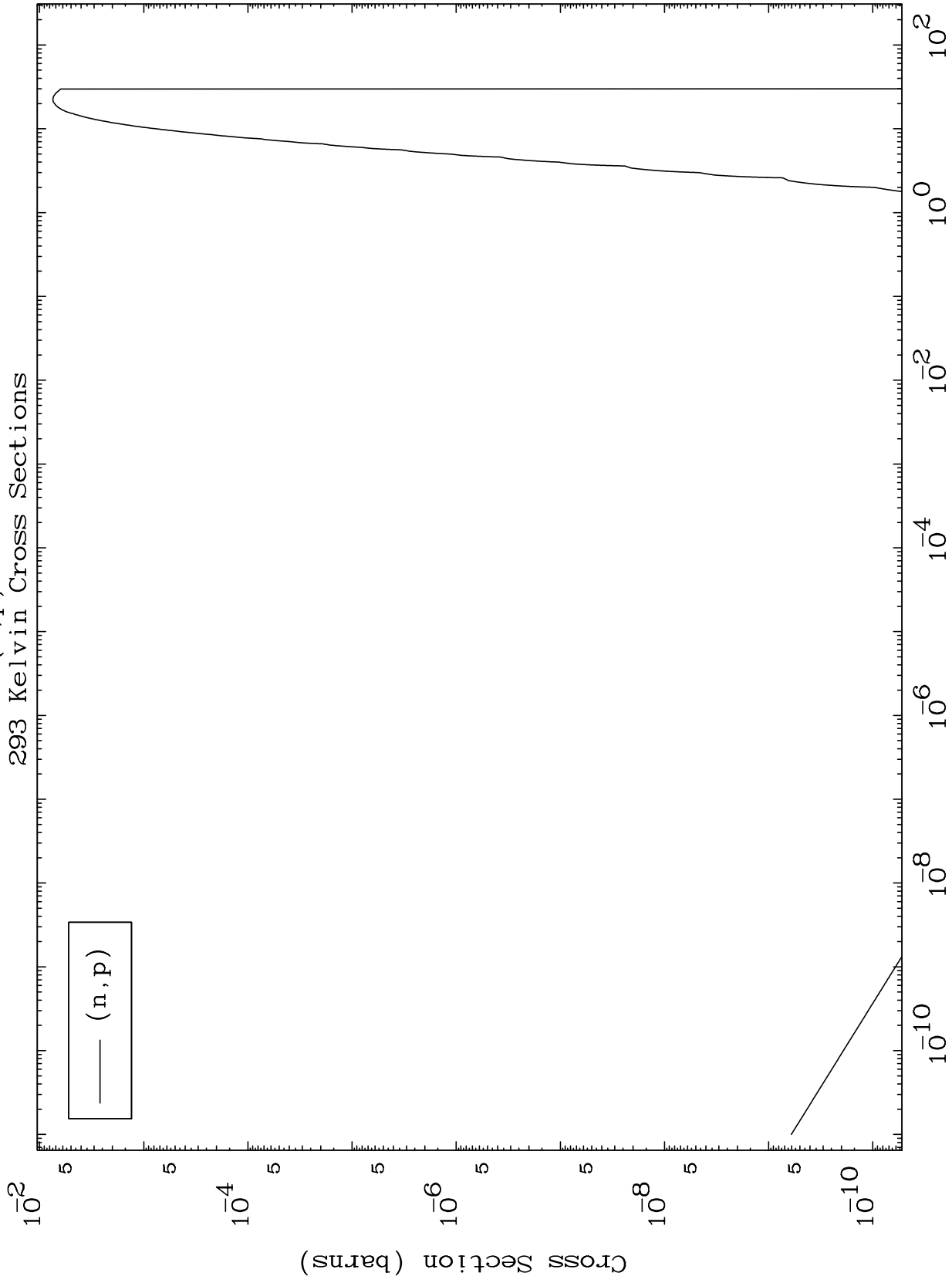
293 Kelvin Cross Sections



MAT 9964

(n,p) Levels  
293 Kelvin Cross Sections

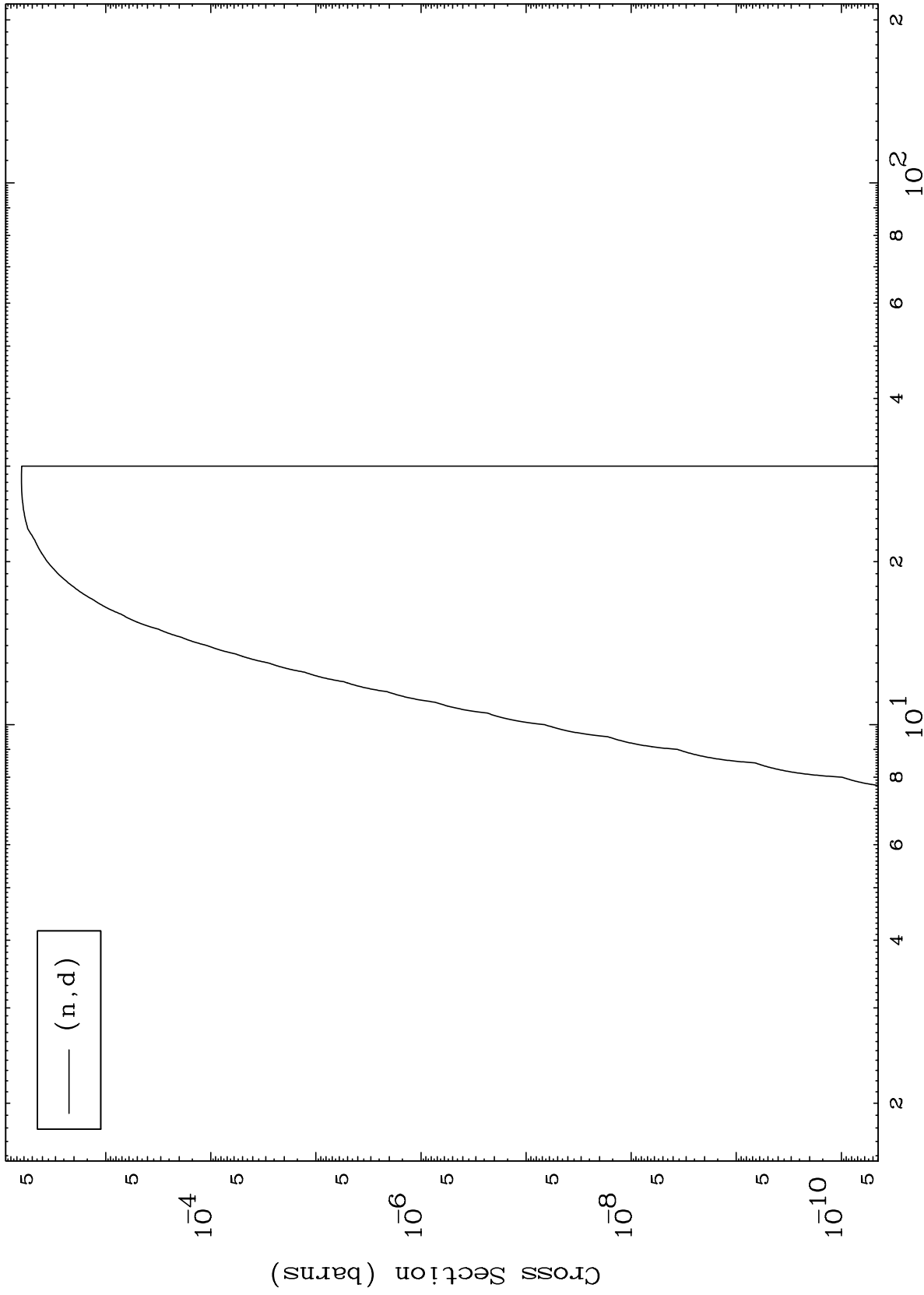
101-Md-258



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(n,d) Levels  
293 Kelvin Cross Sections

101-Md-258



12

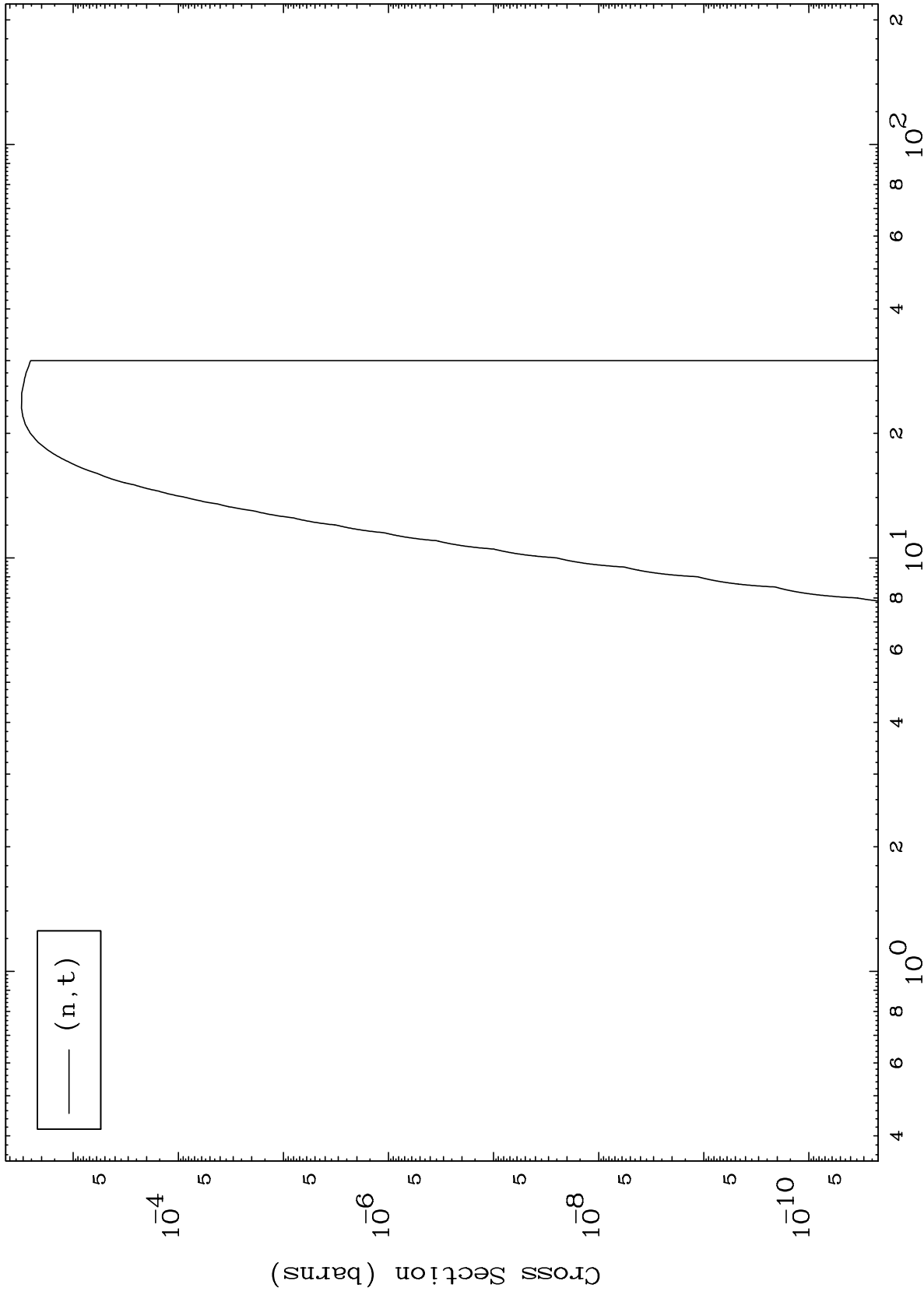
Incident Energy (MeV)

101-Md-258

MAT 9964

(n,t) Levels  
293 Kelvin Cross Sections

101-Md-258



13

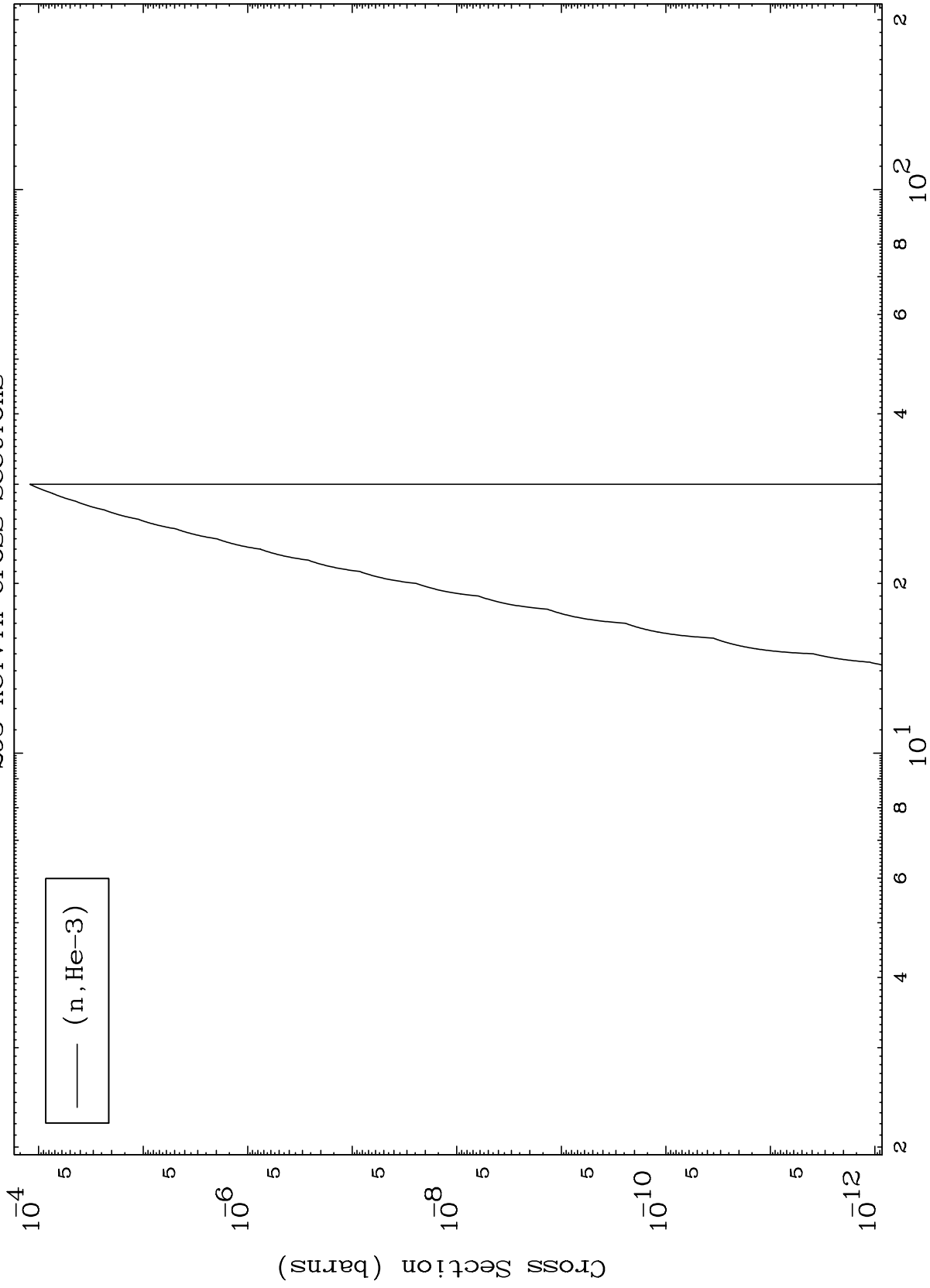
Incident Energy (MeV)

101-Md-258

MAT 9964

(n,He3) Levels  
293 Kelvin Cross Sections

101-Md-258



14

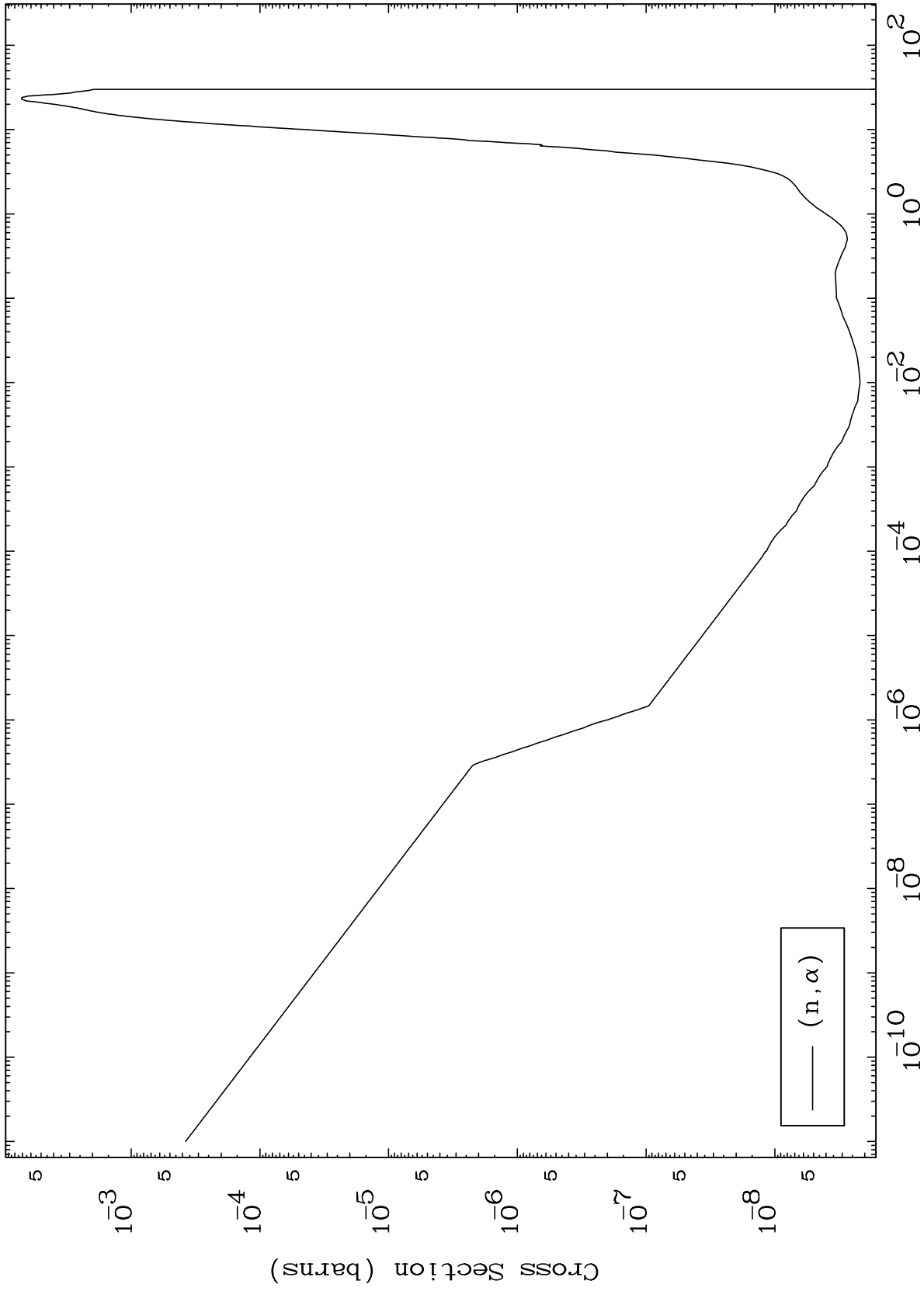
Incident Energy (MeV)

101-Md-258

MAT 9964

(n,α) Levels  
293 Kelvin Cross Sections

101-Md-258

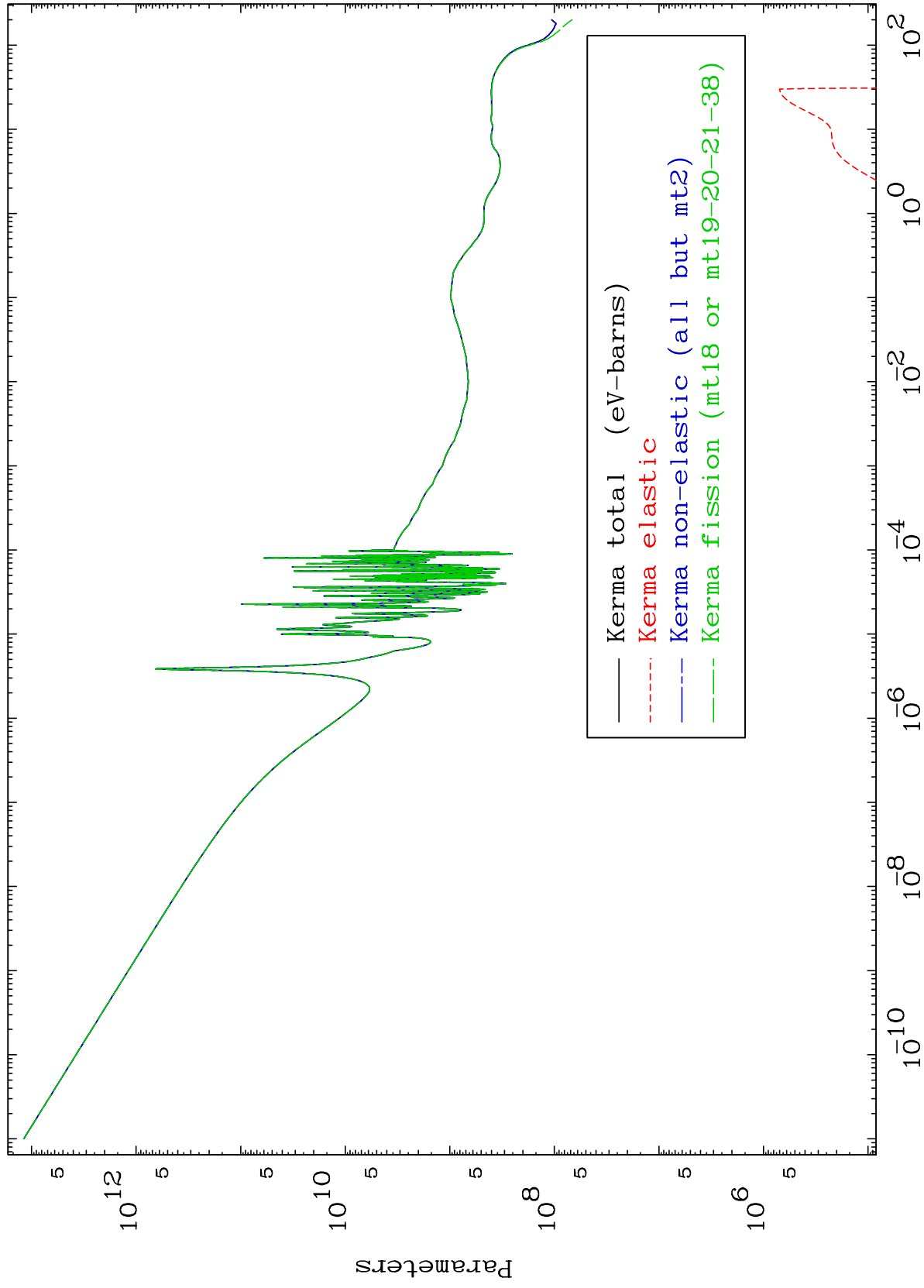


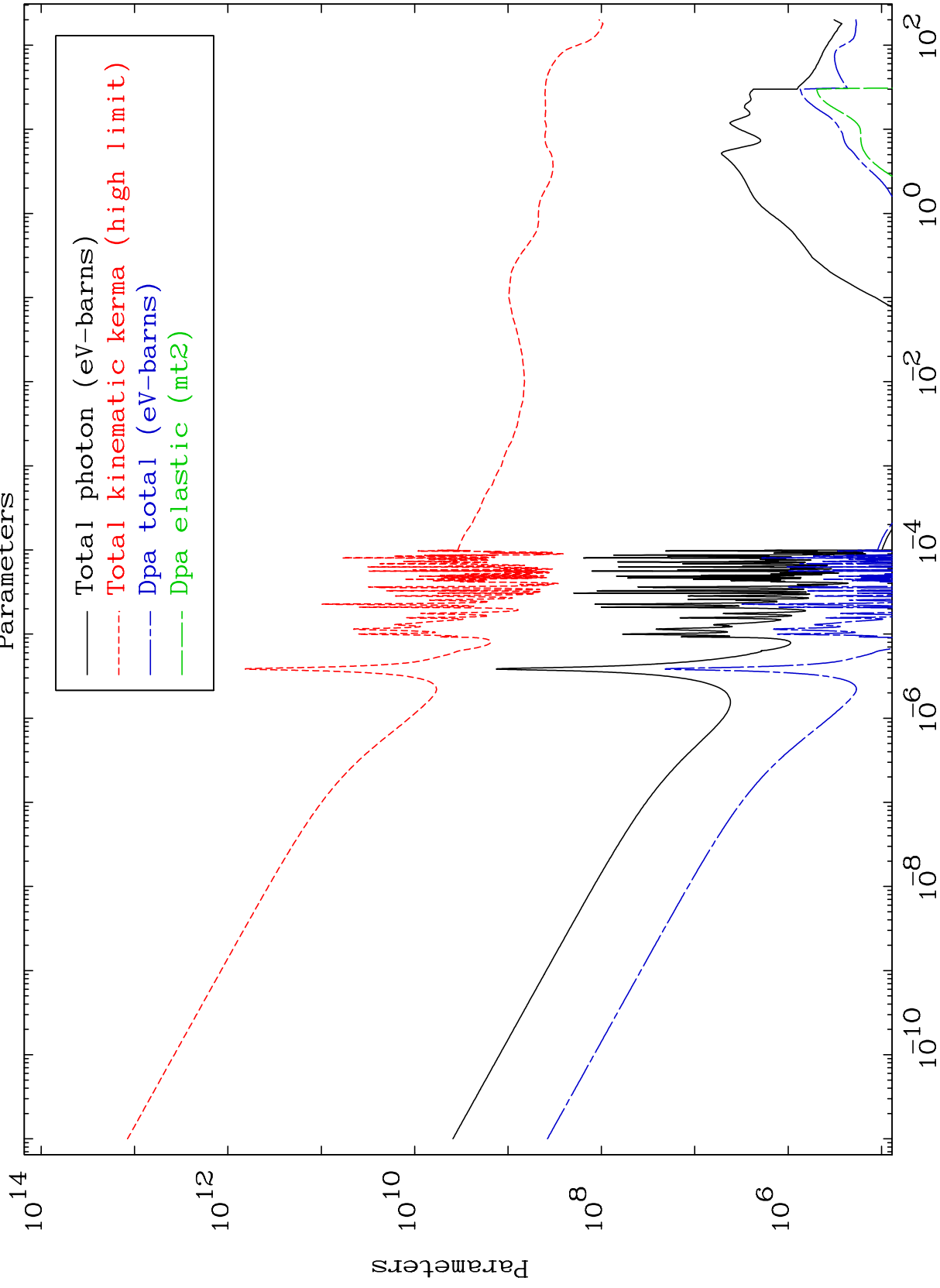
15

Incident Energy (MeV)

101-Md-258





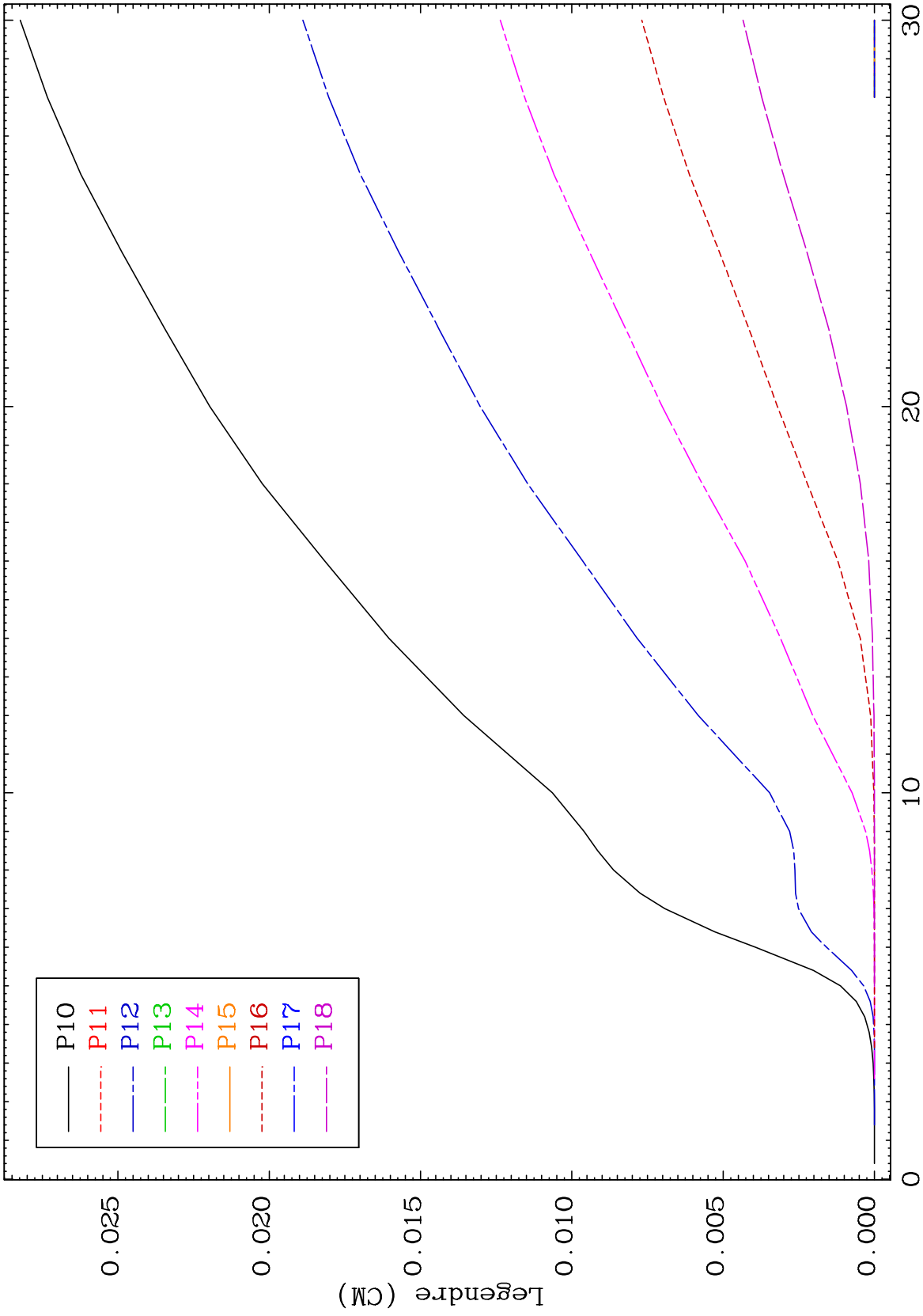




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Elastic Legendre Coefficients

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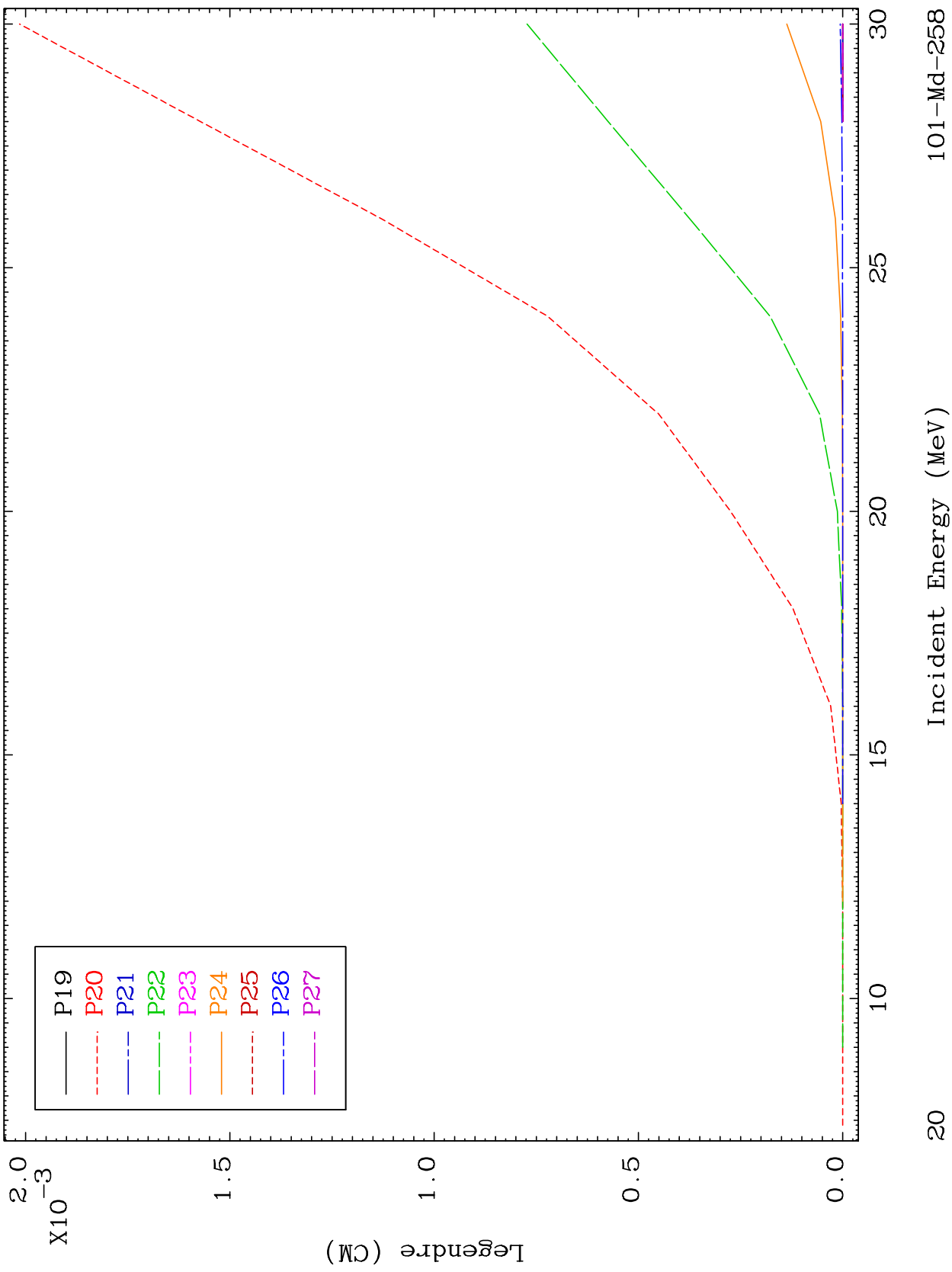
Incident Energy (MeV)

101-Md-258

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Elastic  
Legendre Coefficients

101-Md-258



101-Md-258

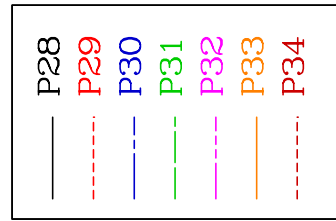
Incident Energy (MeV)

20

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Elastic Legendre Coefficients

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$\times 10^{-7}$

Legendre (CM)

3

2

1

0

18

20

22

24

26

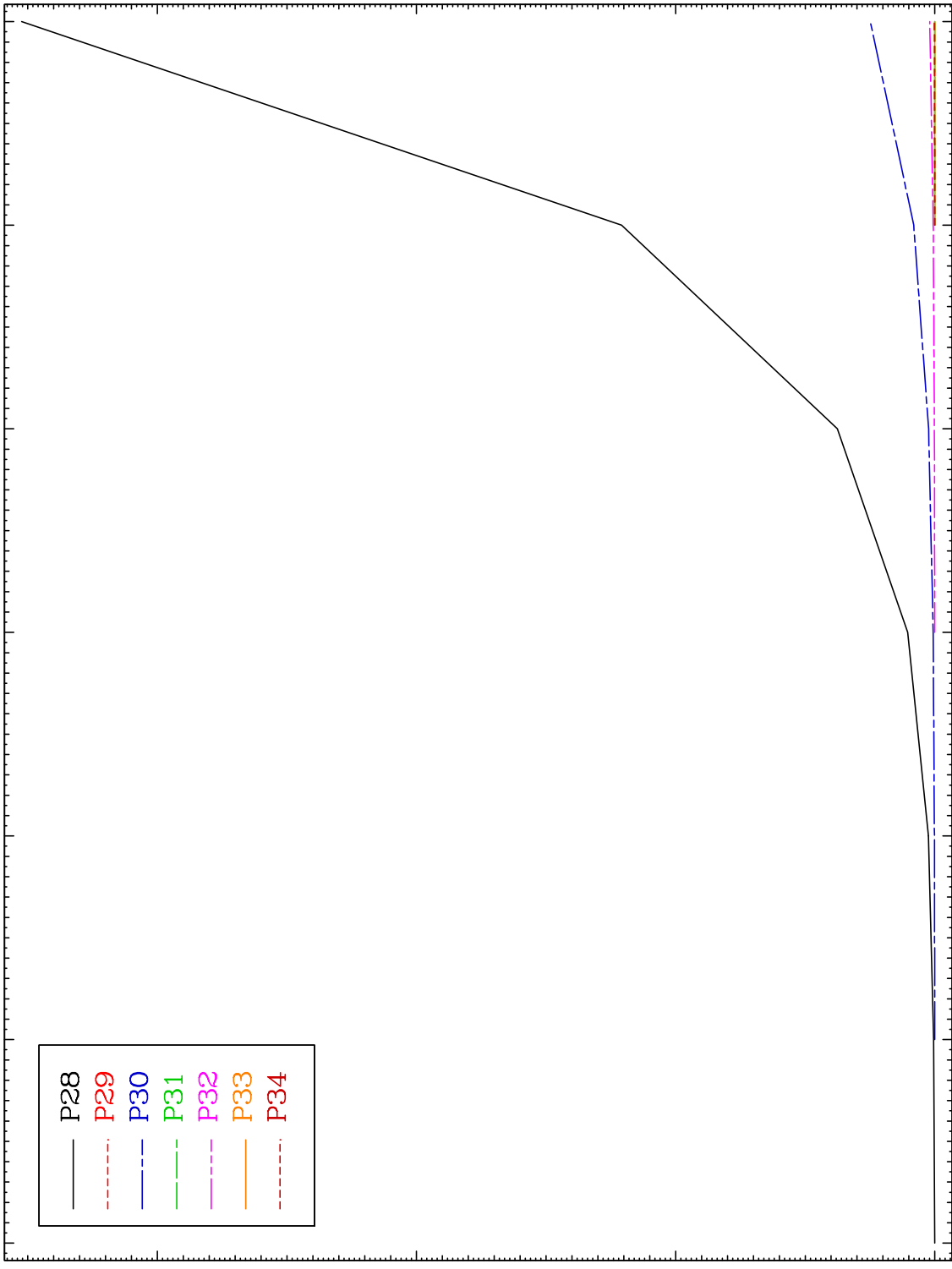
28

30

101-Md-258

Incident Energy (MeV)

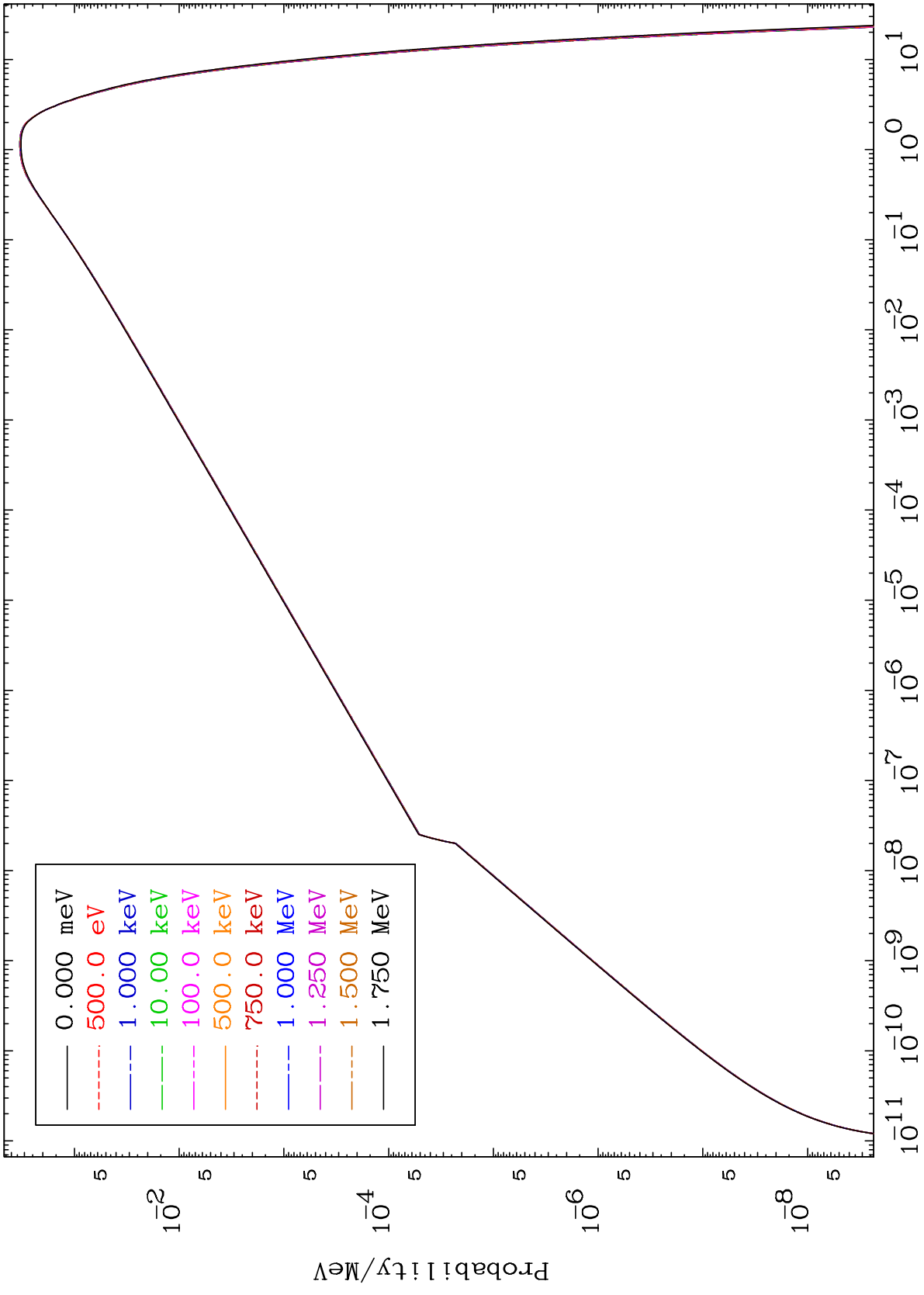
21



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### Fission Energy Distribution

101-Md-258

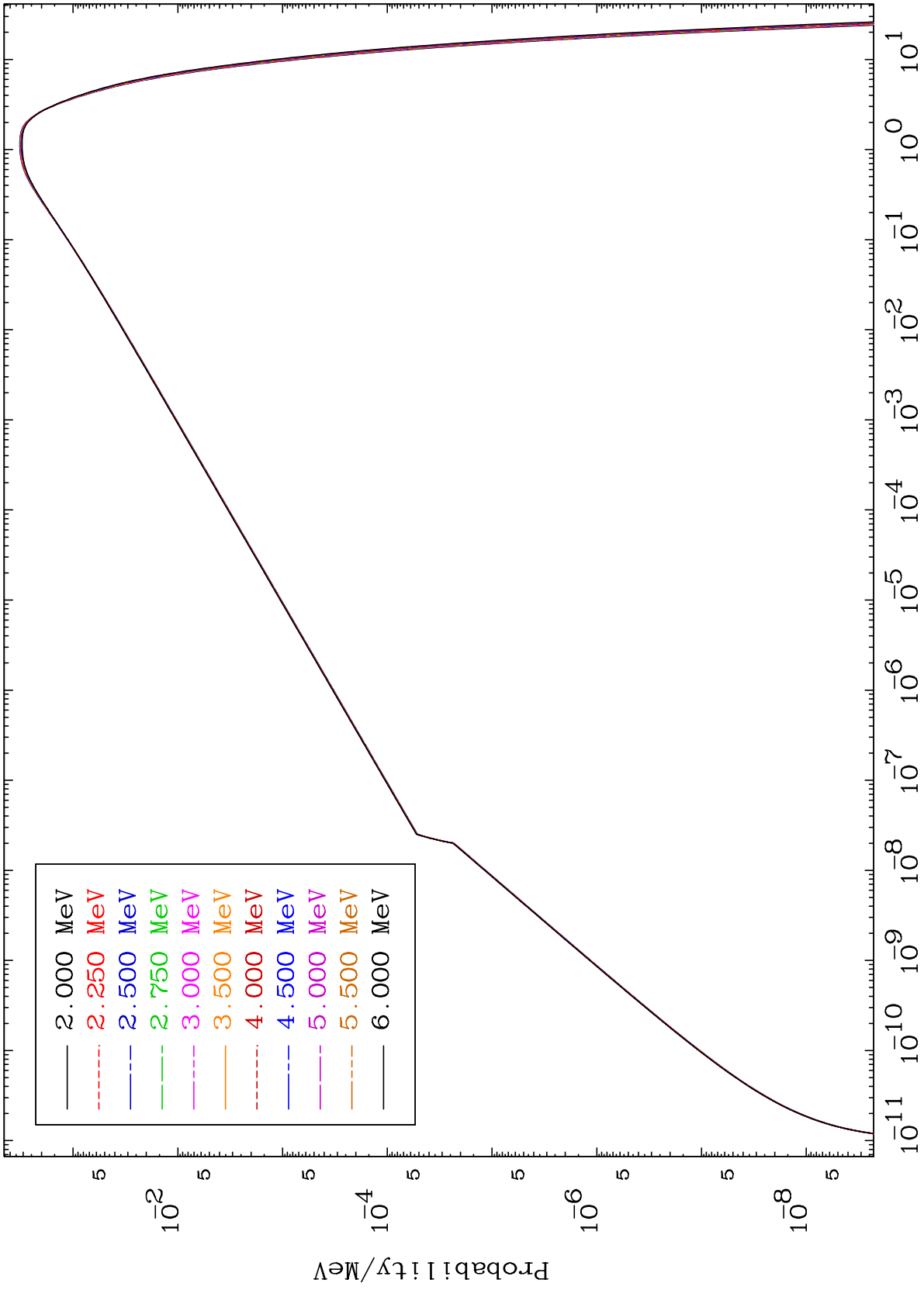


101-Md-258

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# Fission Energy Distribution

101-Md-258



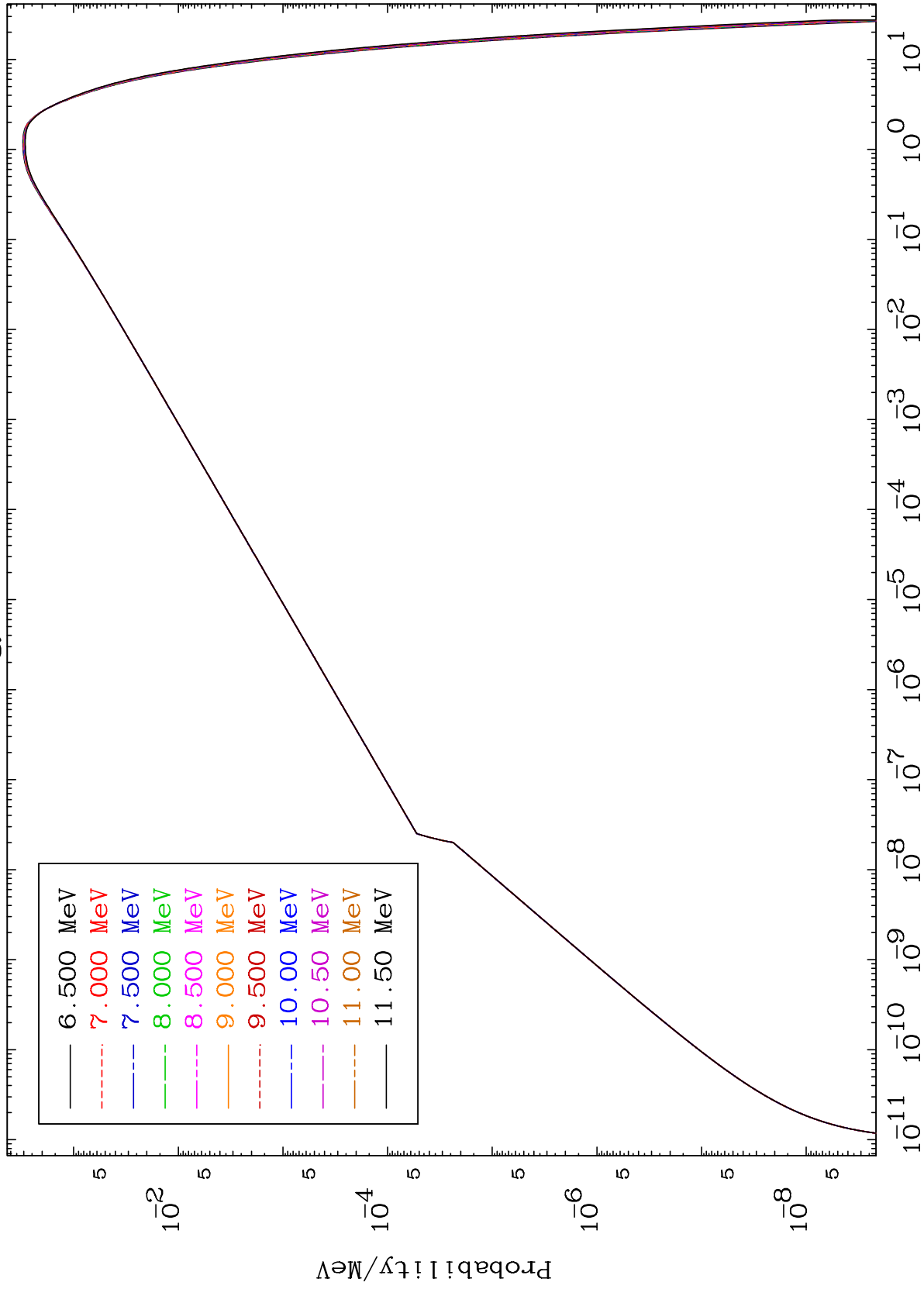
101-Md-258



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# Fission Energy Distribution

101-Md-258

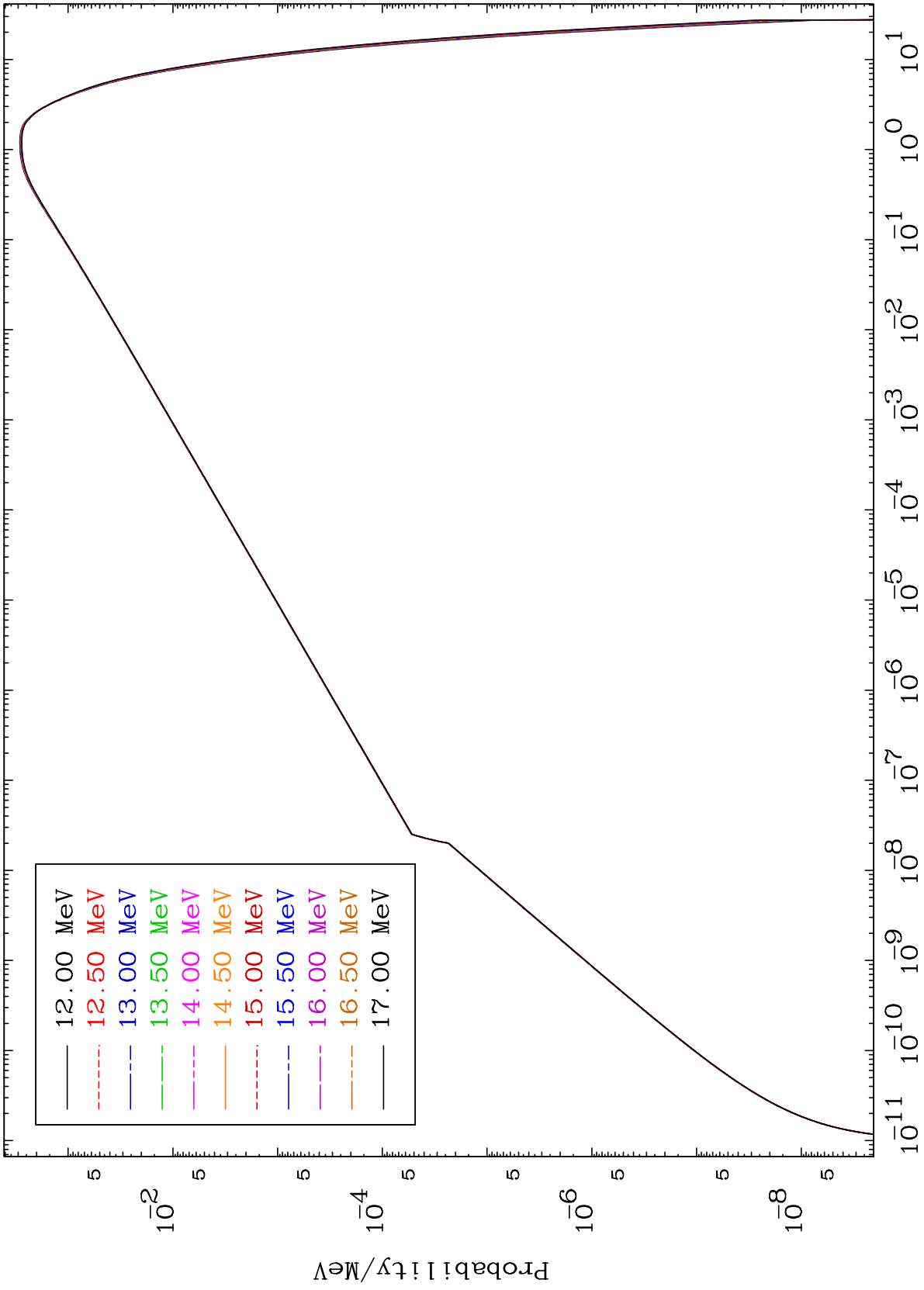


101-Md-258

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# Fission Energy Distribution

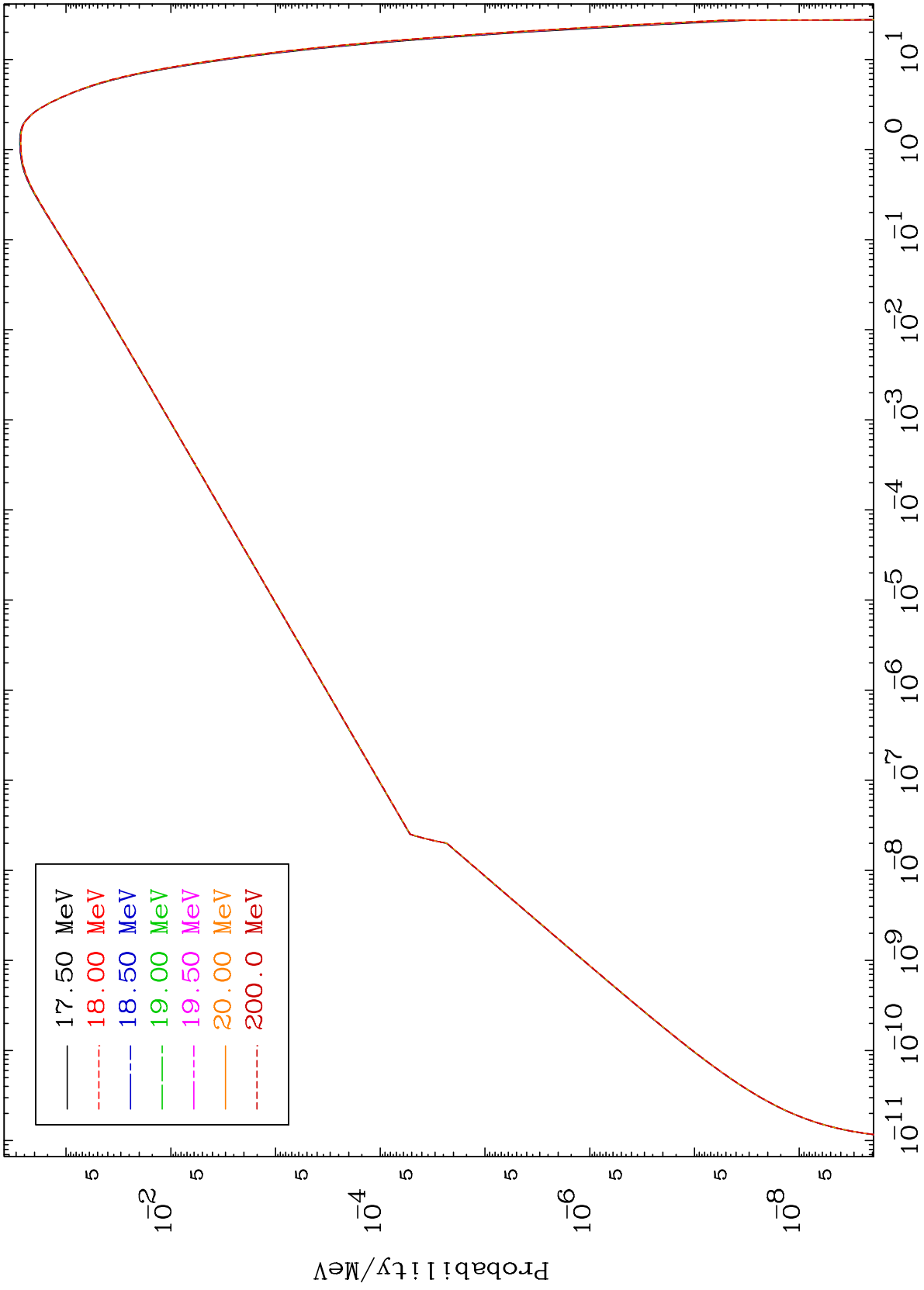
101-Md-258



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# Fission Energy Distribution

101-Md-258

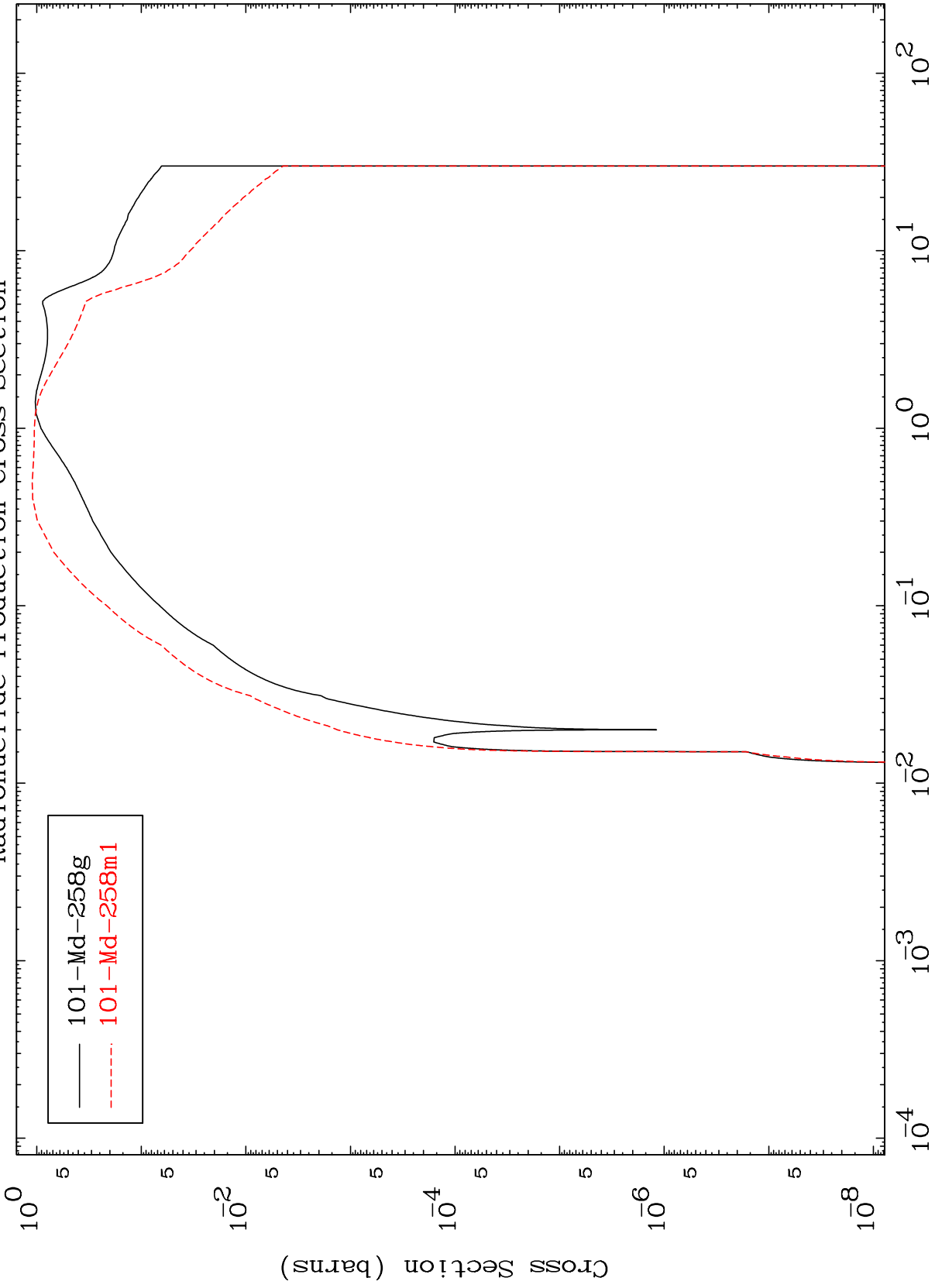


—	17.50	MeV
- - -	18.00	MeV
- · - ·	18.50	MeV
- - -	19.00	MeV
- · - ·	19.50	MeV
- - -	20.00	MeV
- - -	200.0	MeV

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Inelastic  
Radionuclide Production Cross Section



27

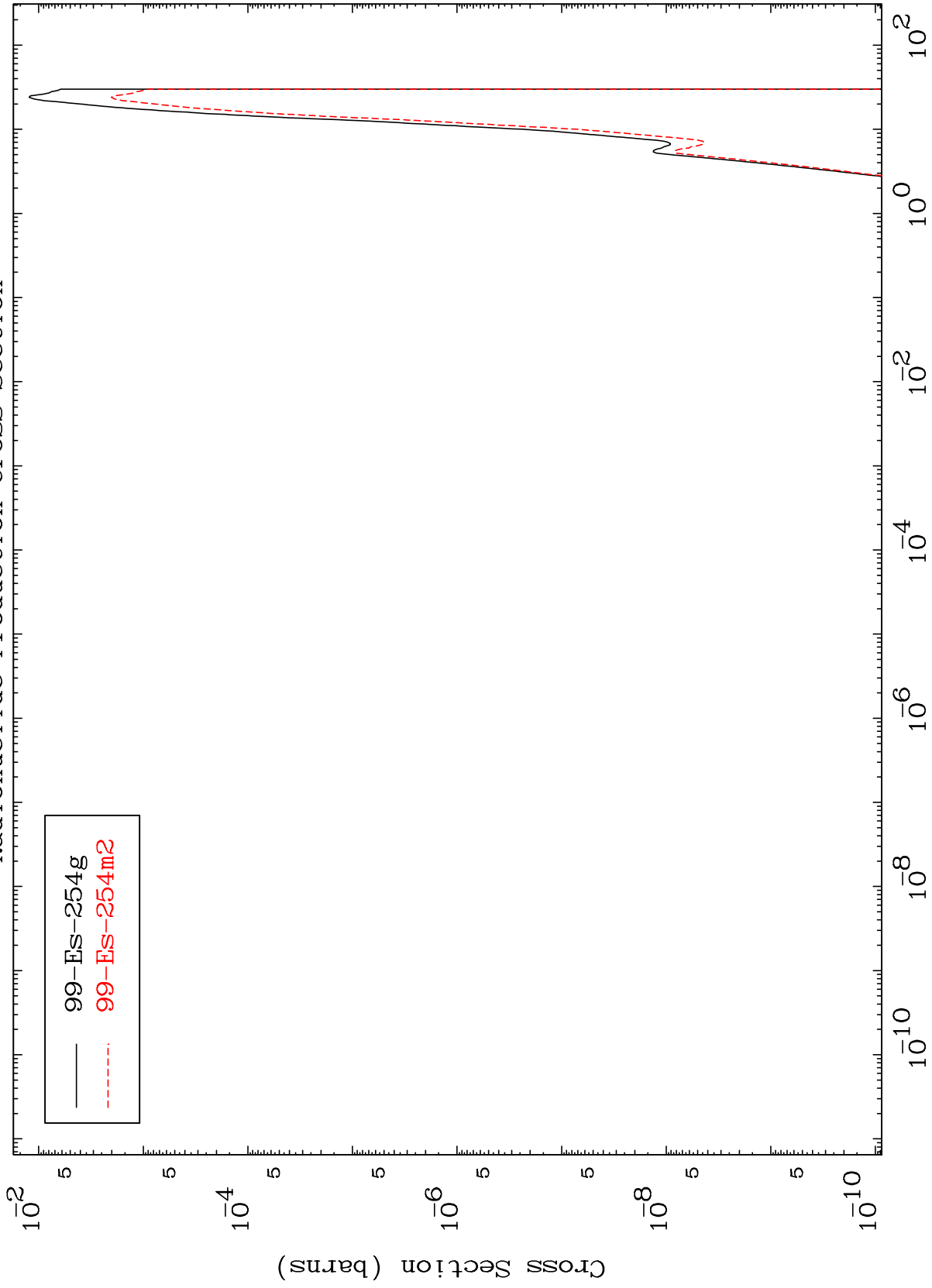
101-Md-258

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(n,n')  $\alpha$

101-Md-258

Radionuclide Production Cross Section



28

Incident Energy (MeV)

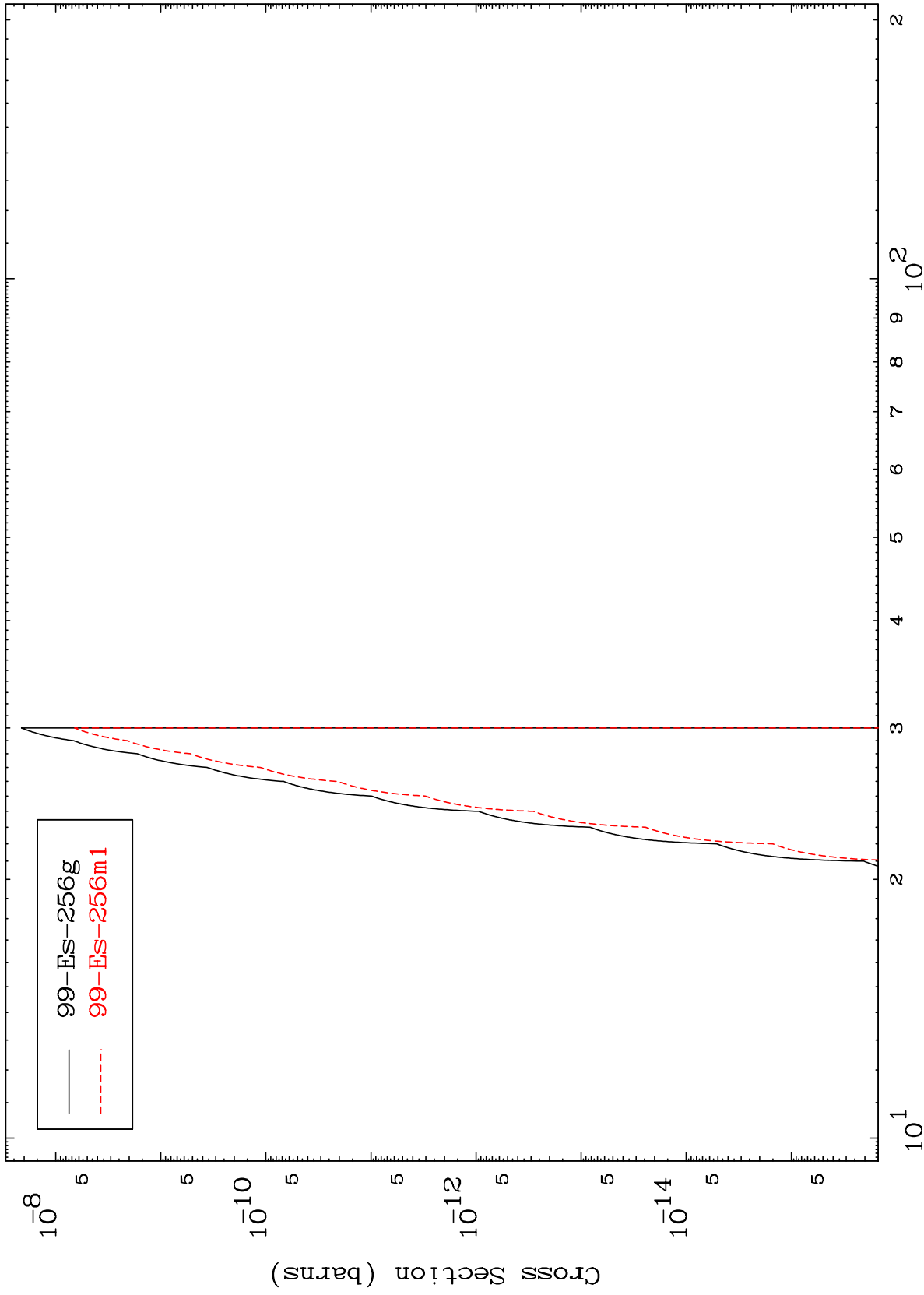
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(n,2n) p

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Radionuclide Production Cross Section



29

Incident Energy (MeV)

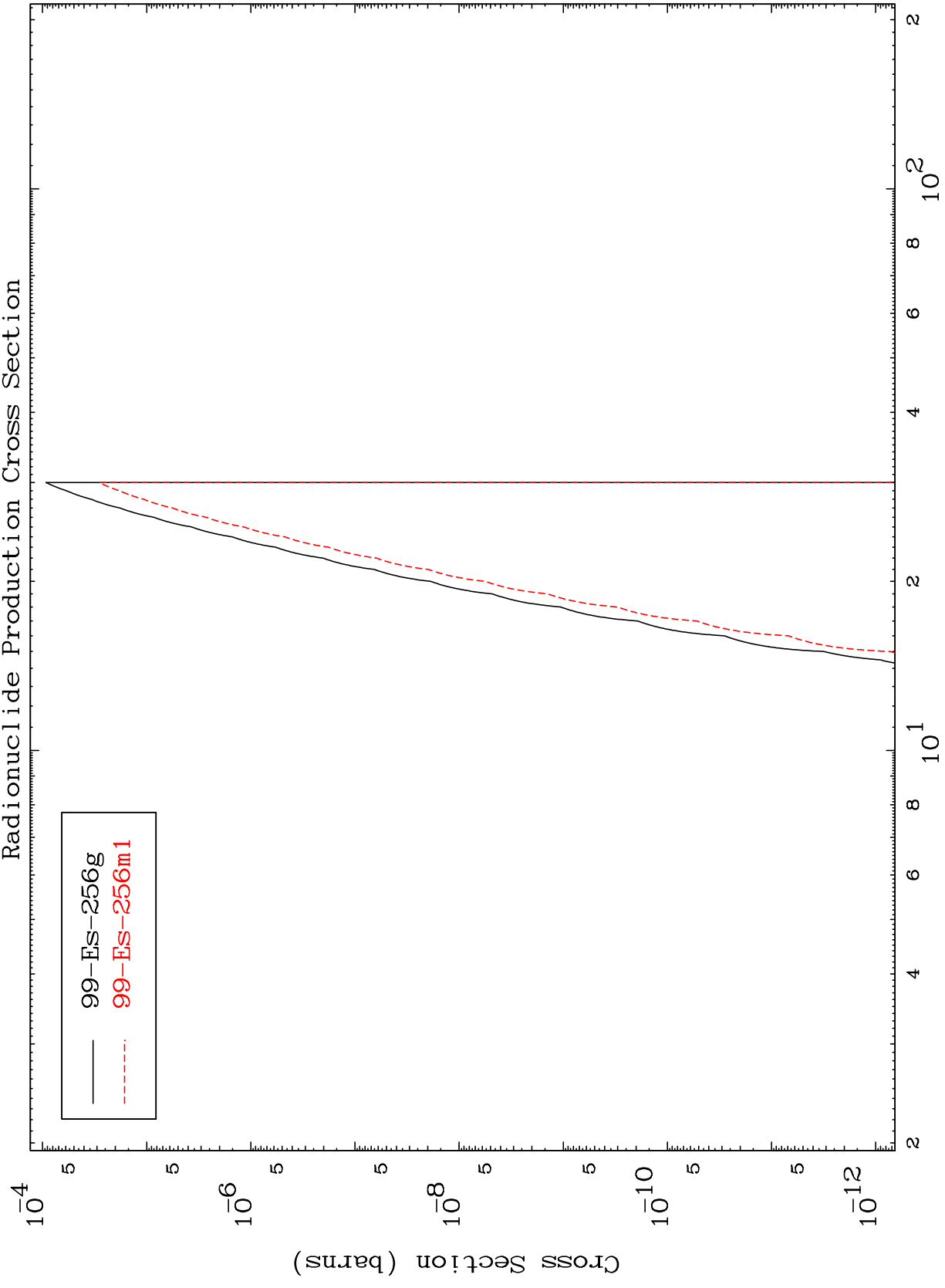
101-Md-258

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(n, He-3)

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Radionuclide Production Cross Section



30

Incident Energy (MeV)

101-Md-258