

Program EVALPLOT  
(Version 2018-1)

by

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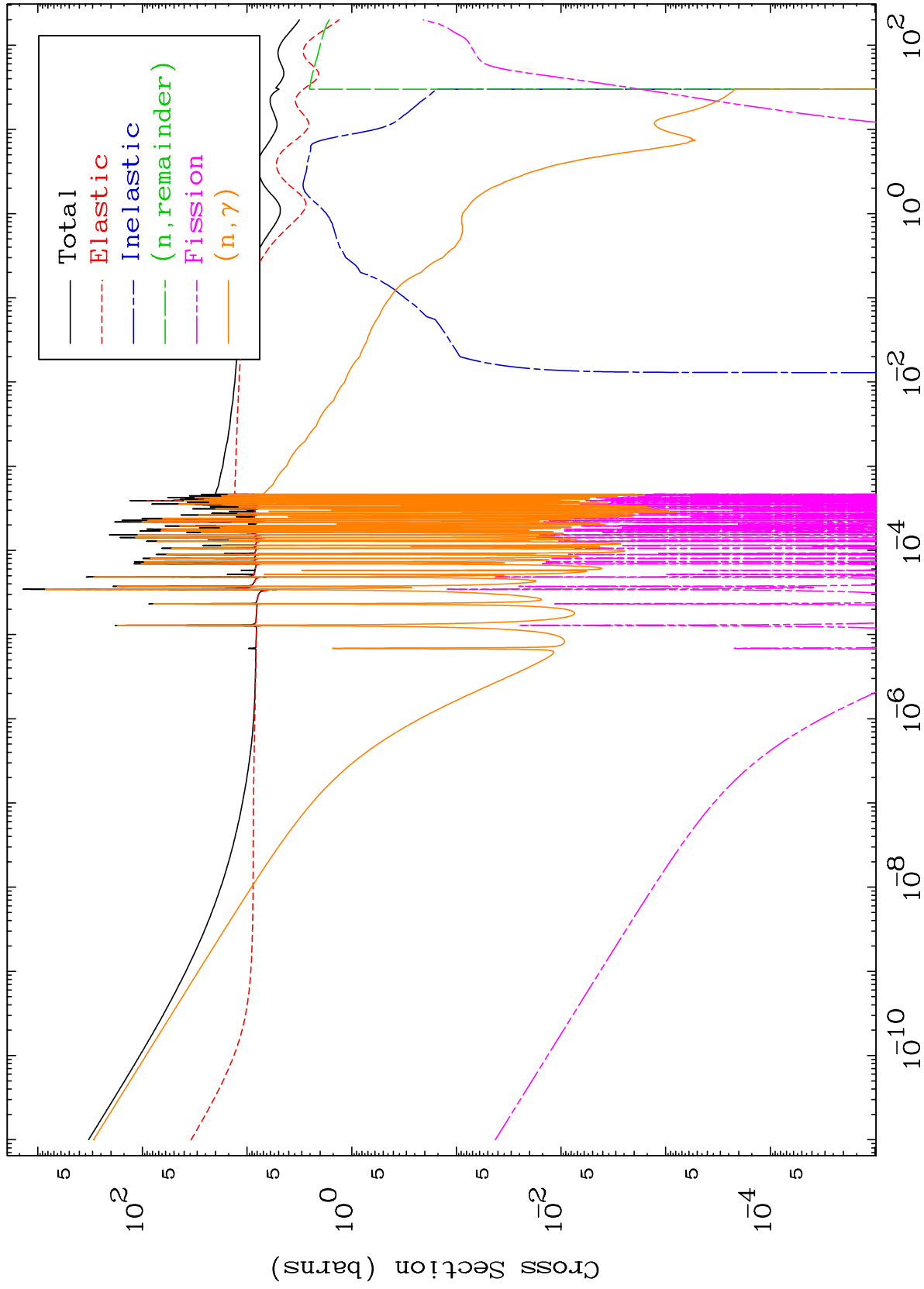
Press Mouse Button to Start

MAT 8758

Major

293 Kelvin Cross Sections

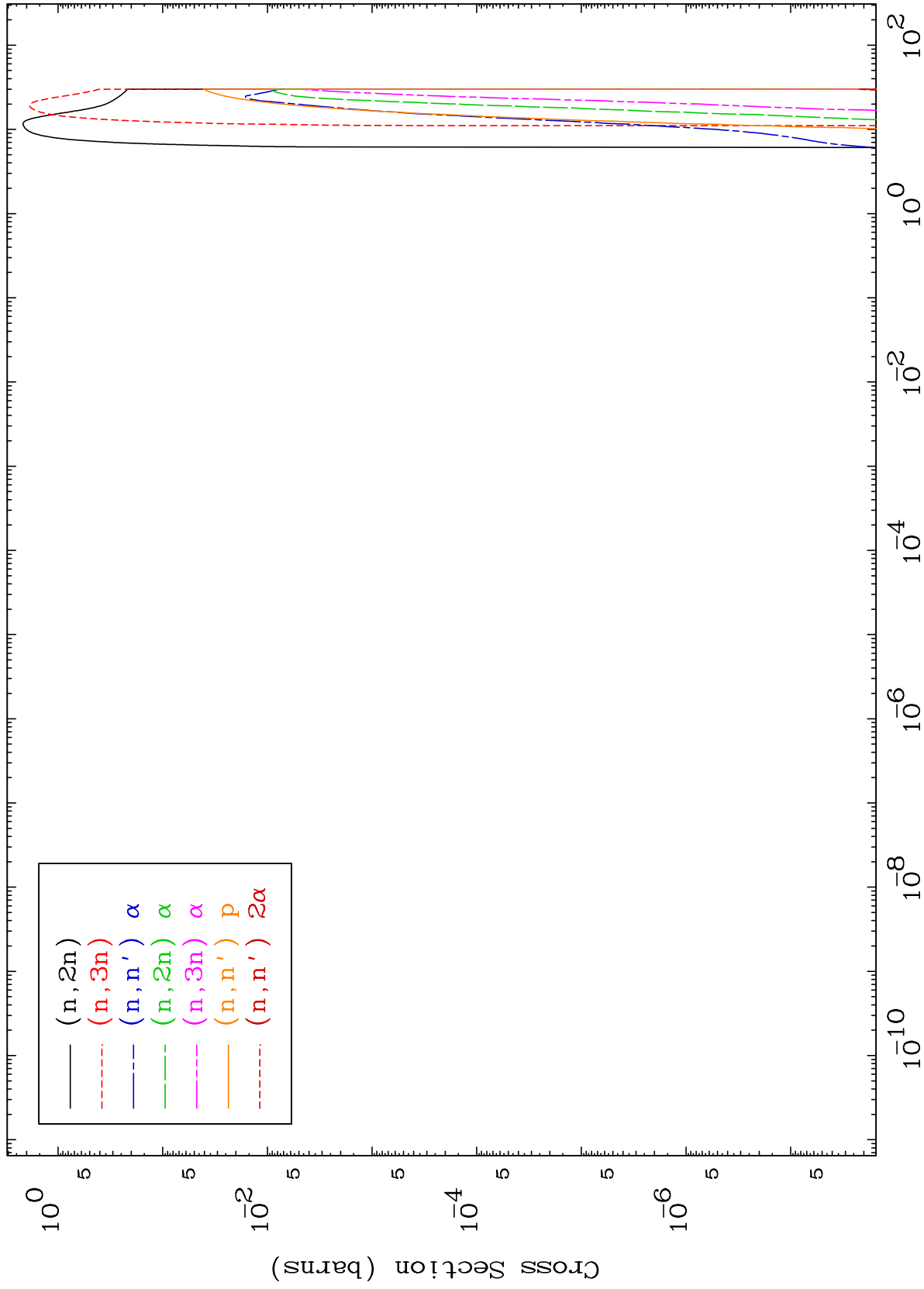
87-Fr-223



MAT 8758

Neutron Production  
293 Kelvin Cross Sections

87-Fr-223



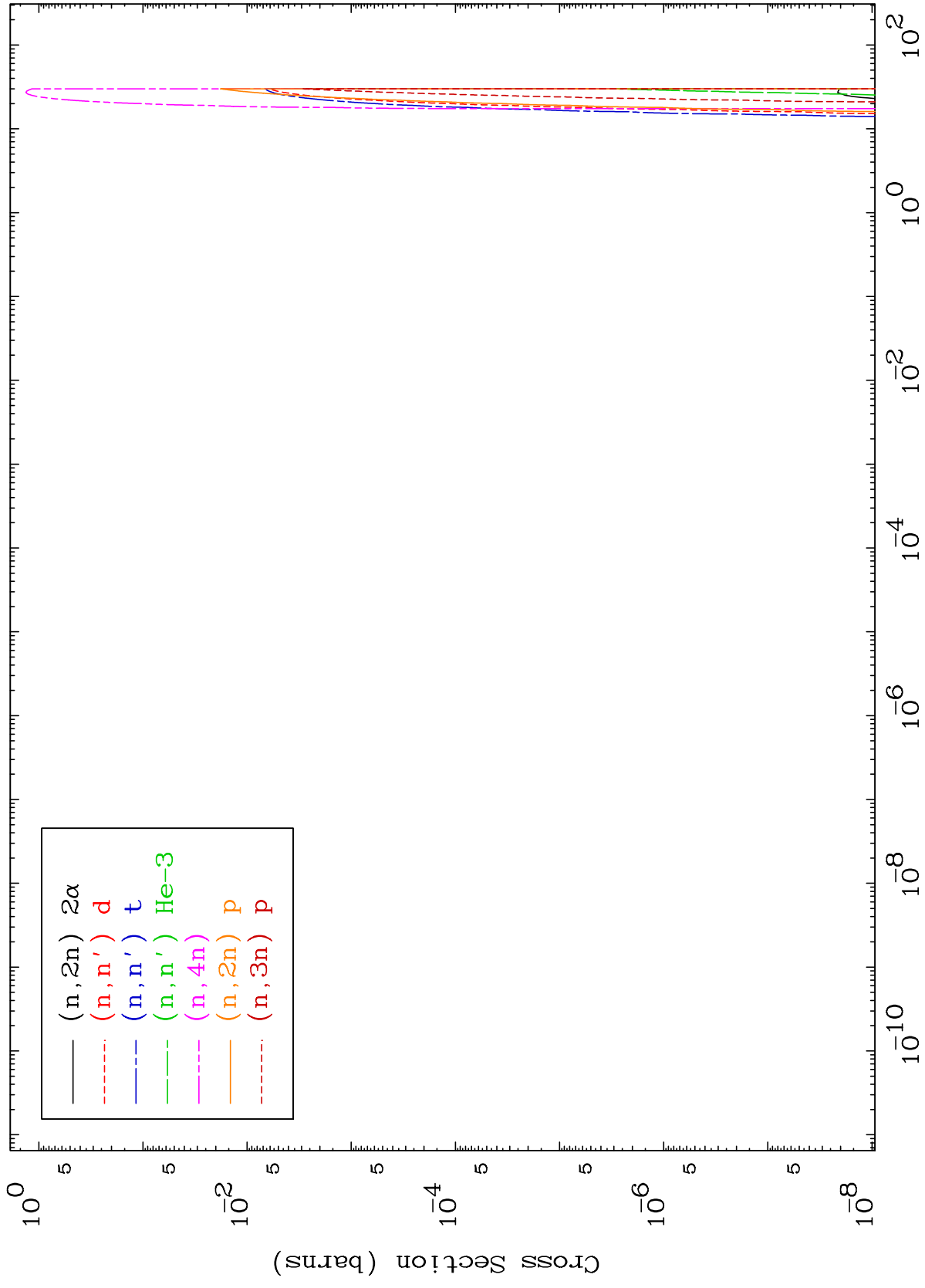
2

87-Fr-223

MAT 8758

Neutron Production  
293 Kelvin Cross Sections

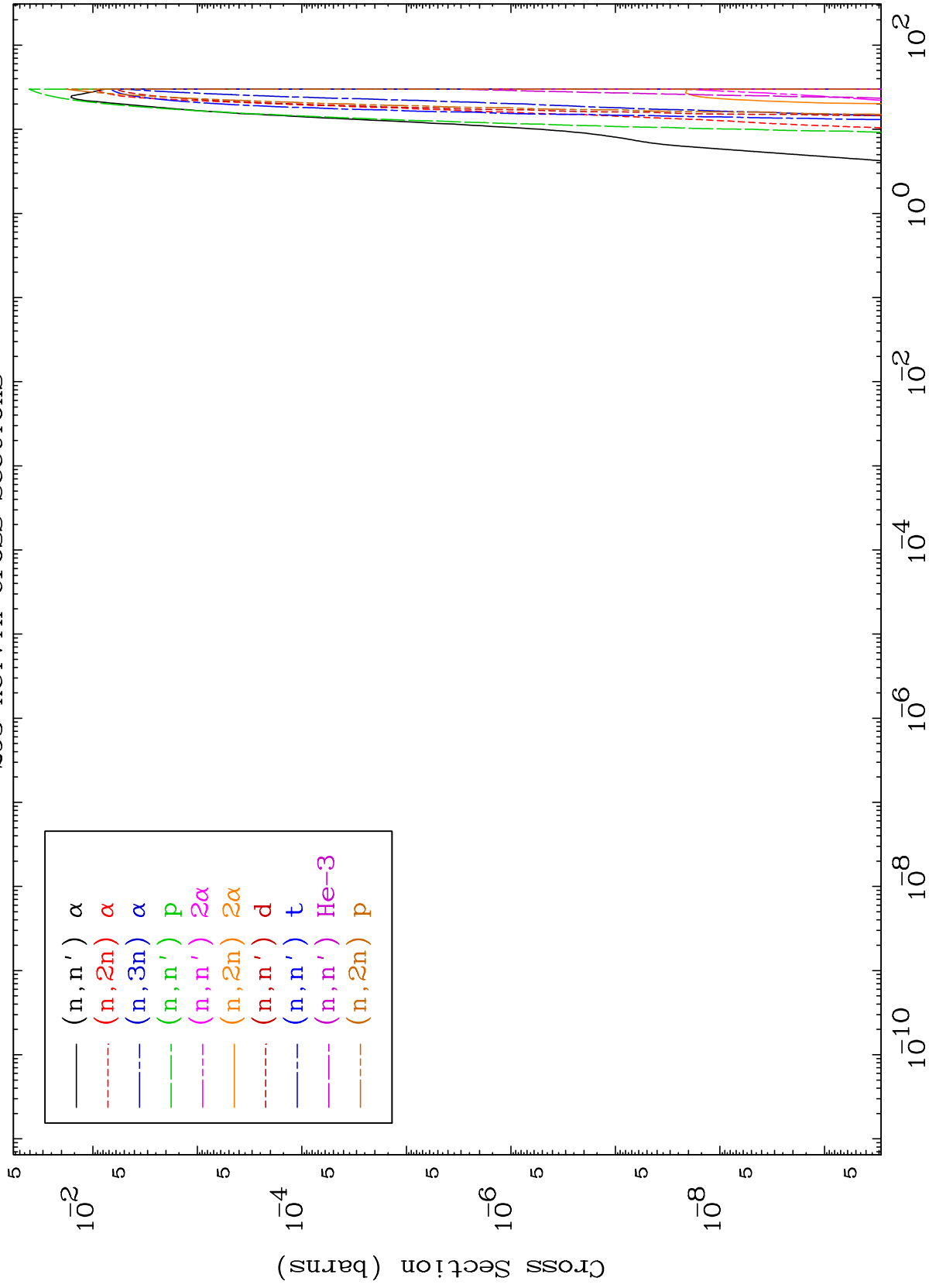
87-Fr-223



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293 Kelvin Cross Sections  
Charged Particle

87-Fr-223



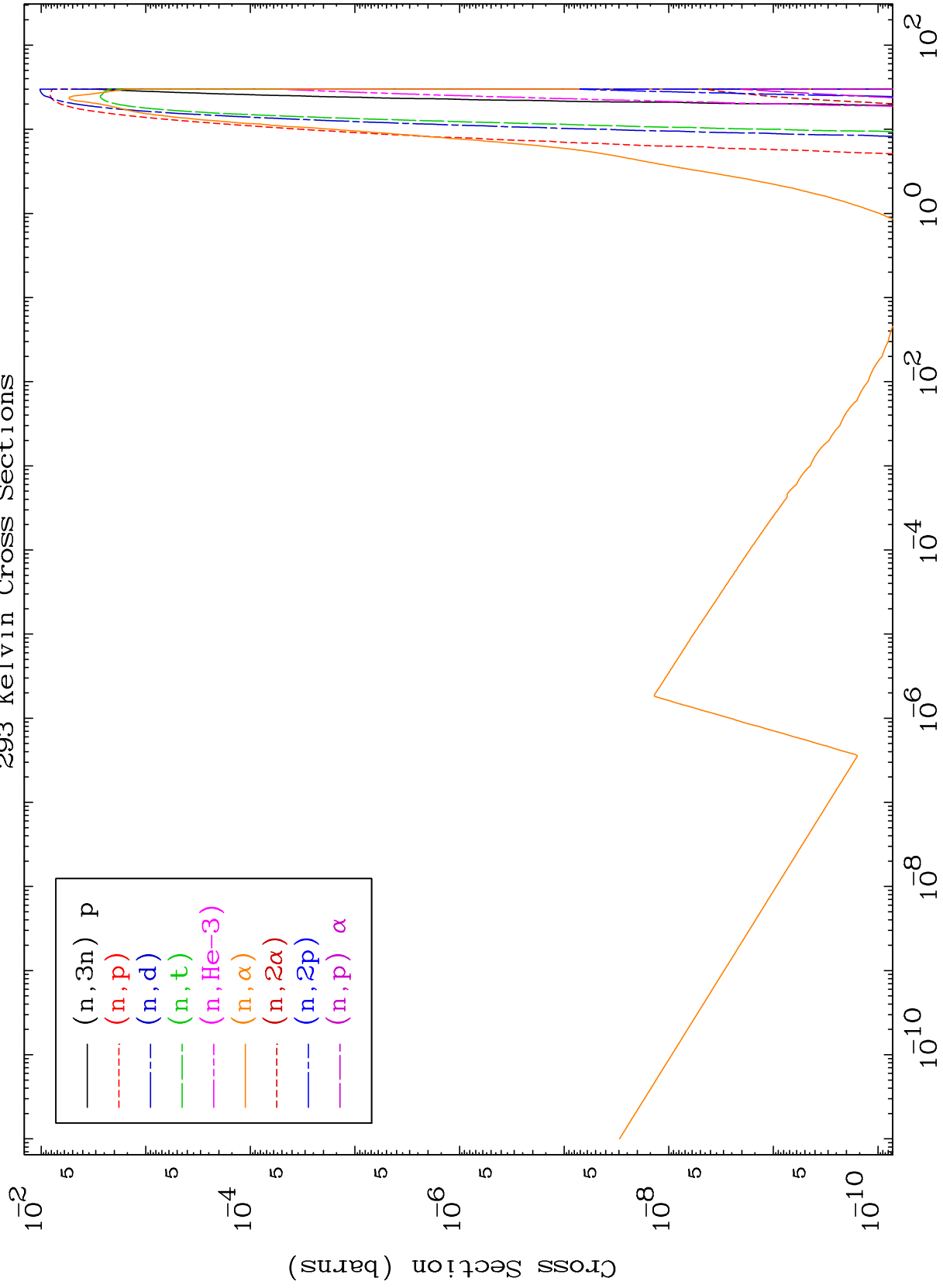
87-Fr-223

Incident Energy (MeV)

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Charged Particle  
293 Kelvin Cross Sections

87-Fr-223



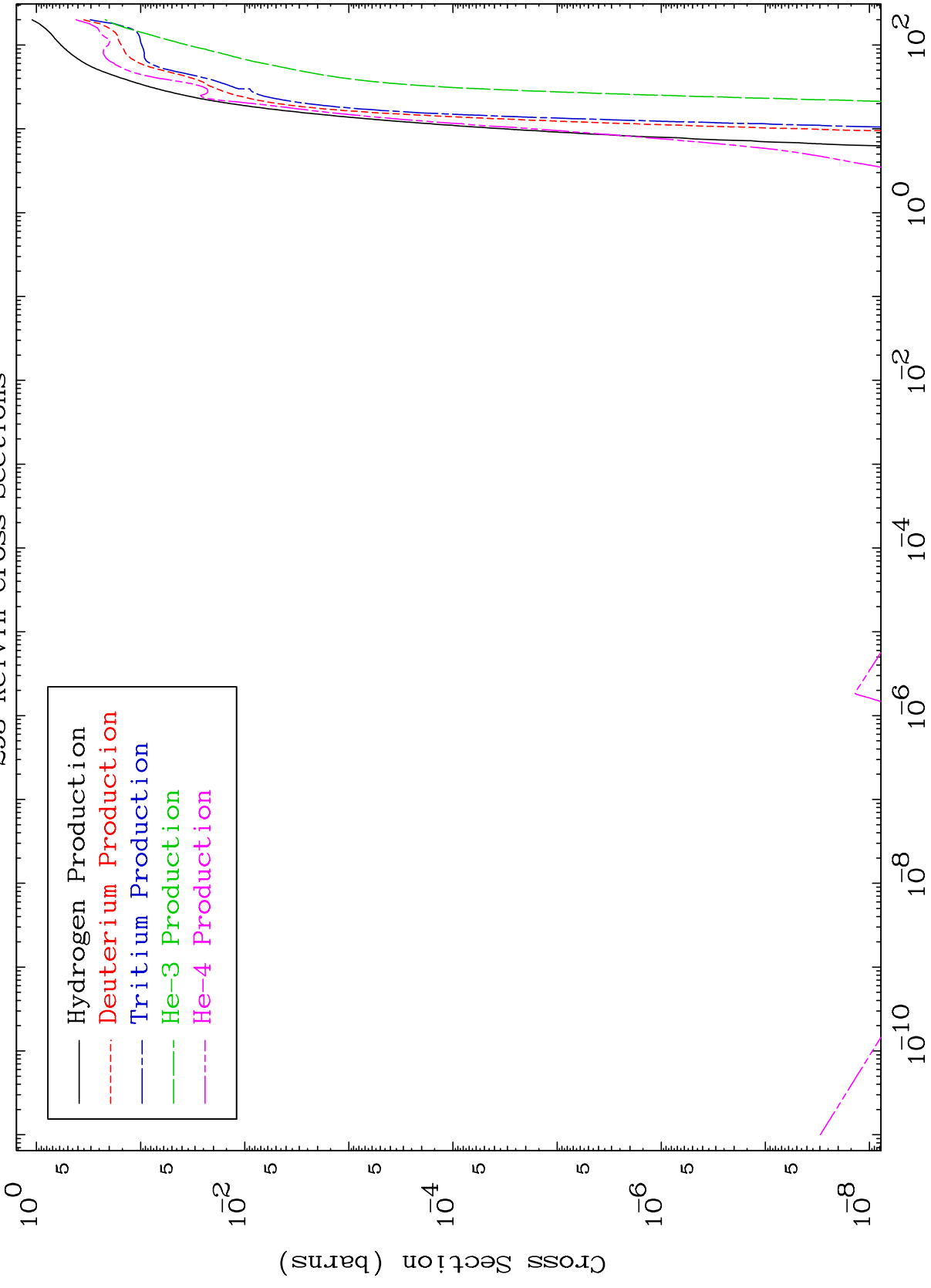
5

87-Fr-223

MAT 8758

Particle Production  
293 Kelvin Cross Sections

87-Fr-223



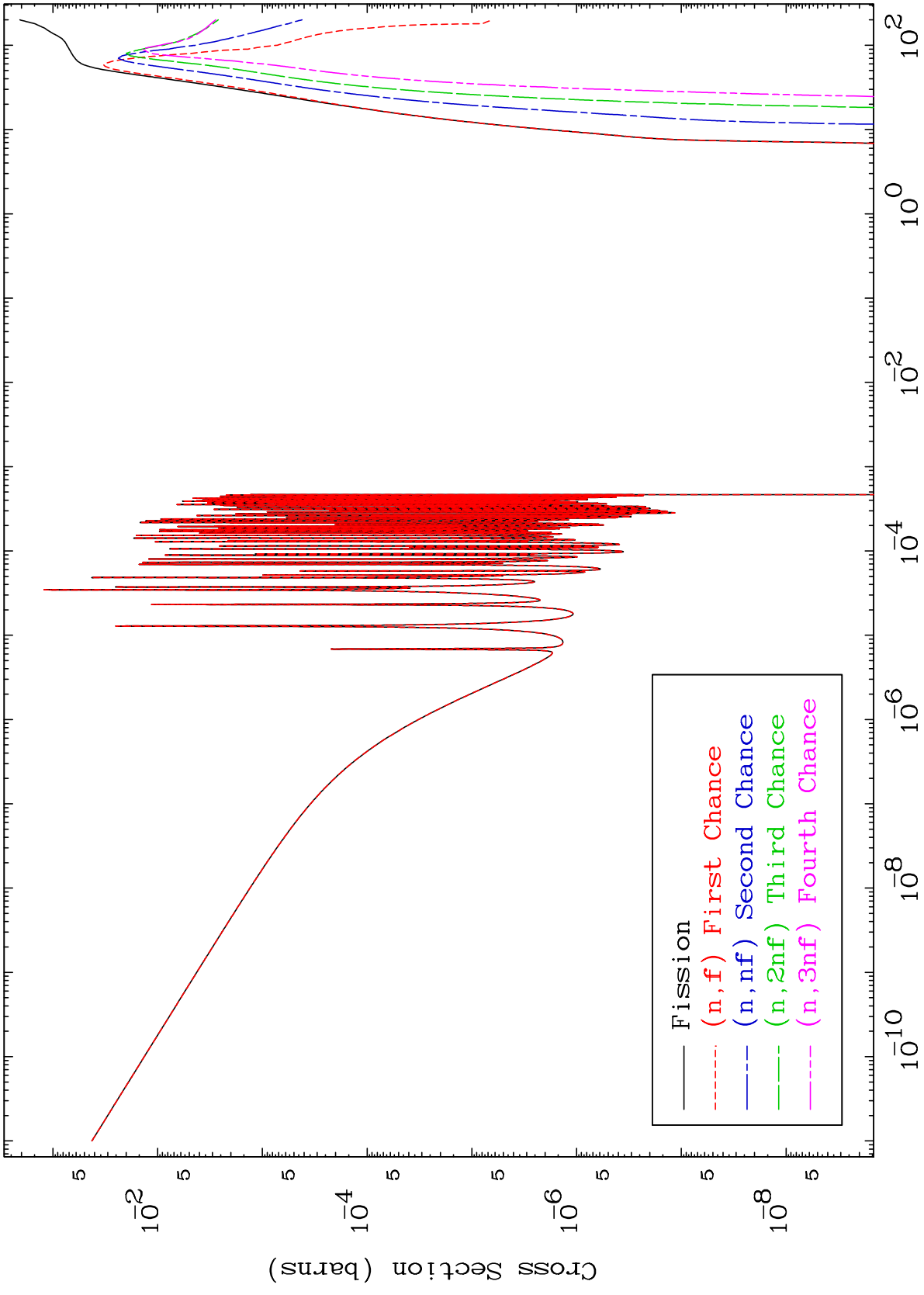
6

87-Fr-223

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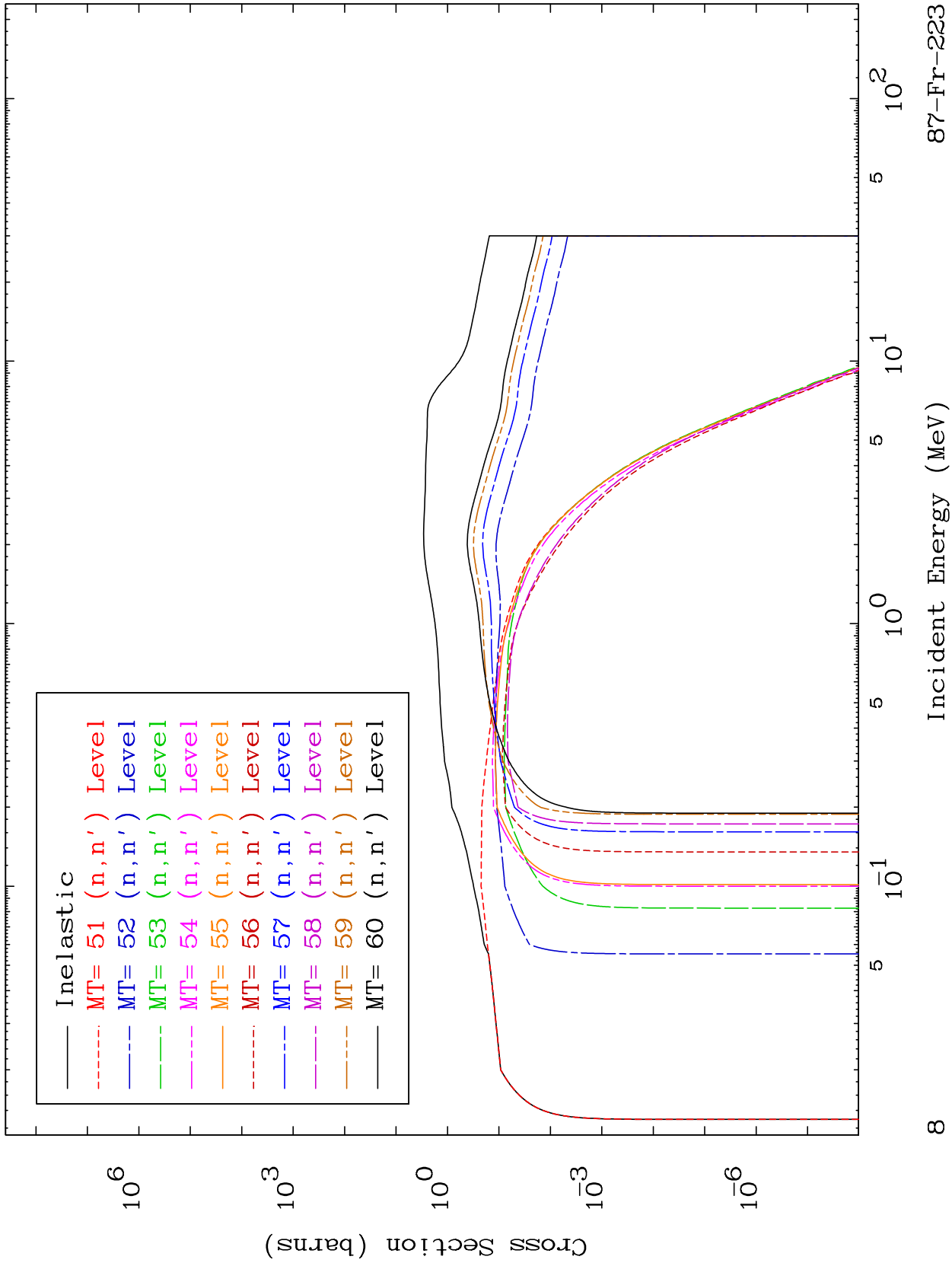
Fission  
293 Kelvin Cross Sections

87-Fr-223



87-Fr-223

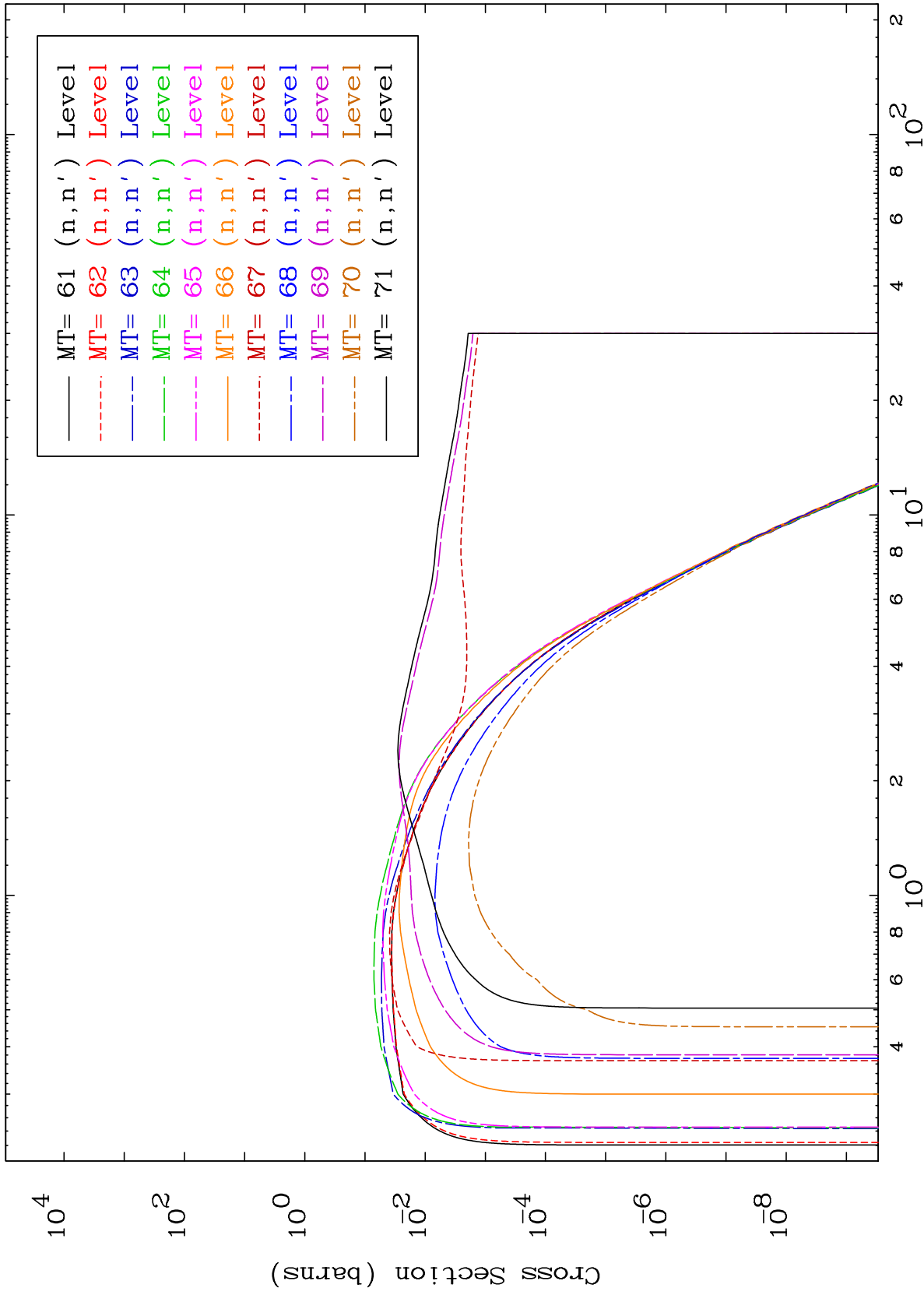




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(n,n') Level  
293 Kelvin Cross Sections

87-Fr-223



9

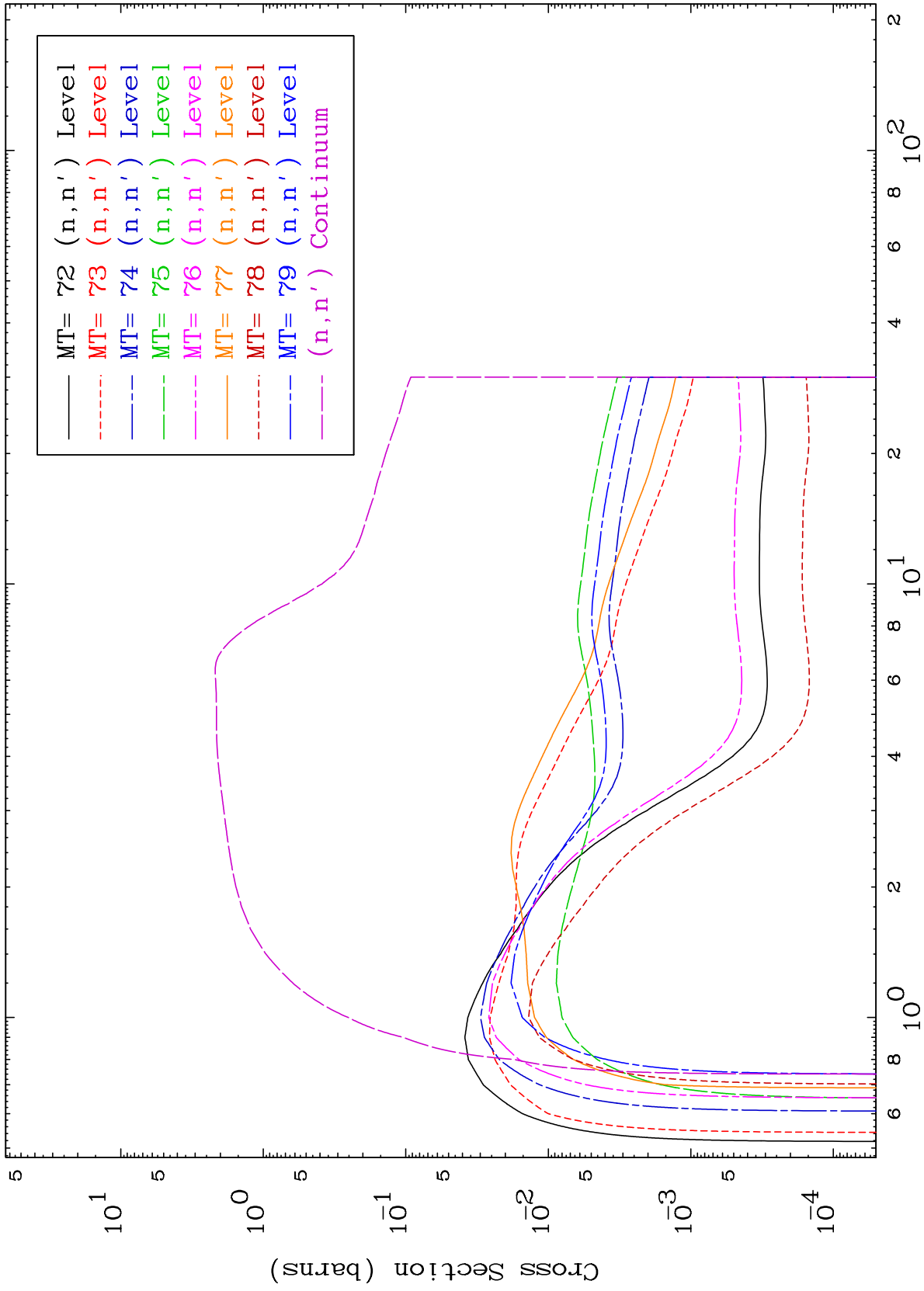
Incident Energy (MeV)

87-Fr-223

MAT 8758

(n,n') Level  
293 Kelvin Cross Sections

87-Fr-223



10

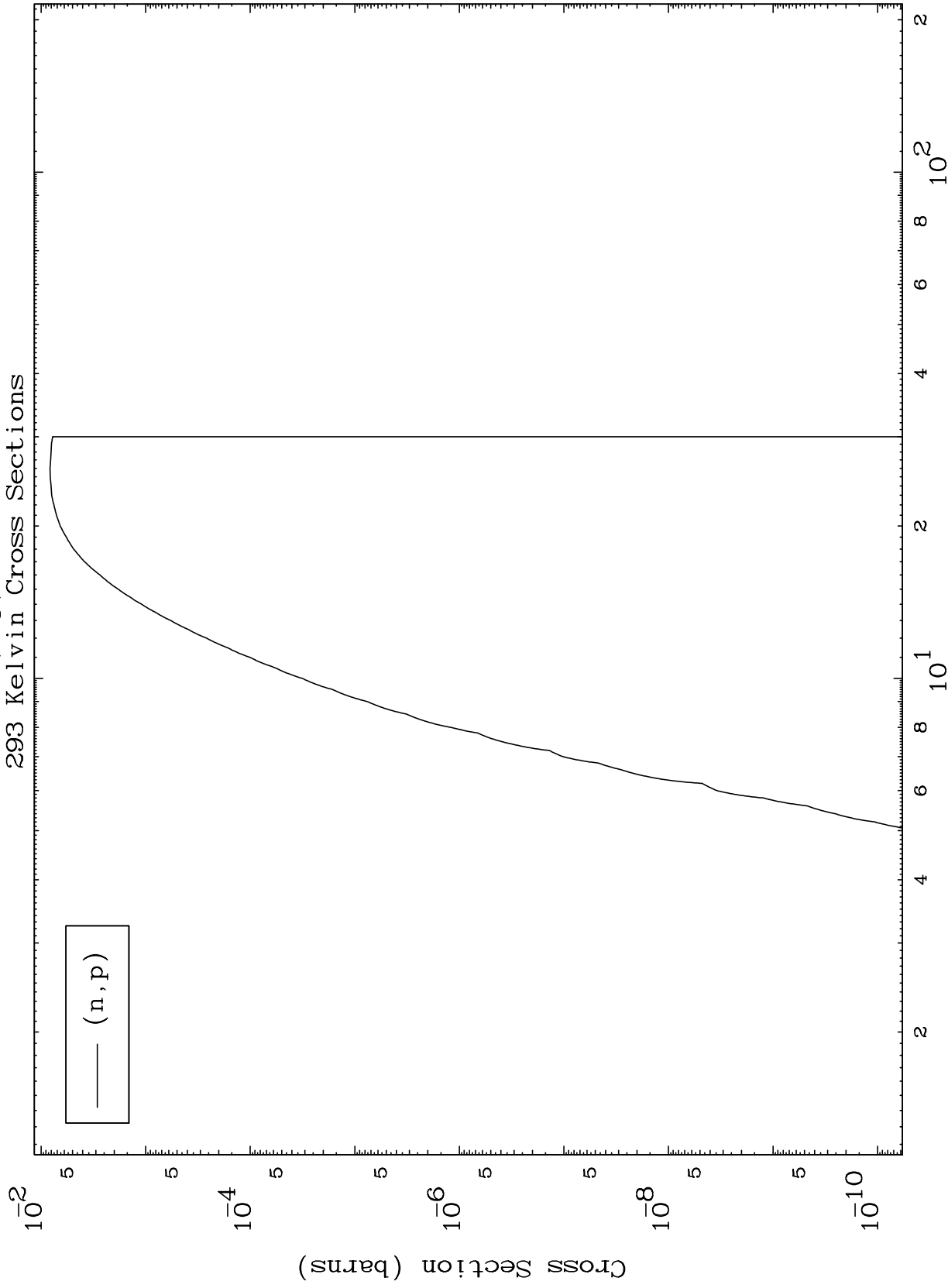
Incident Energy (MeV)

87-Fr-223

MAT 8758

(n,p) Levels  
293 Kelvin Cross Sections

87-Fr-223



11

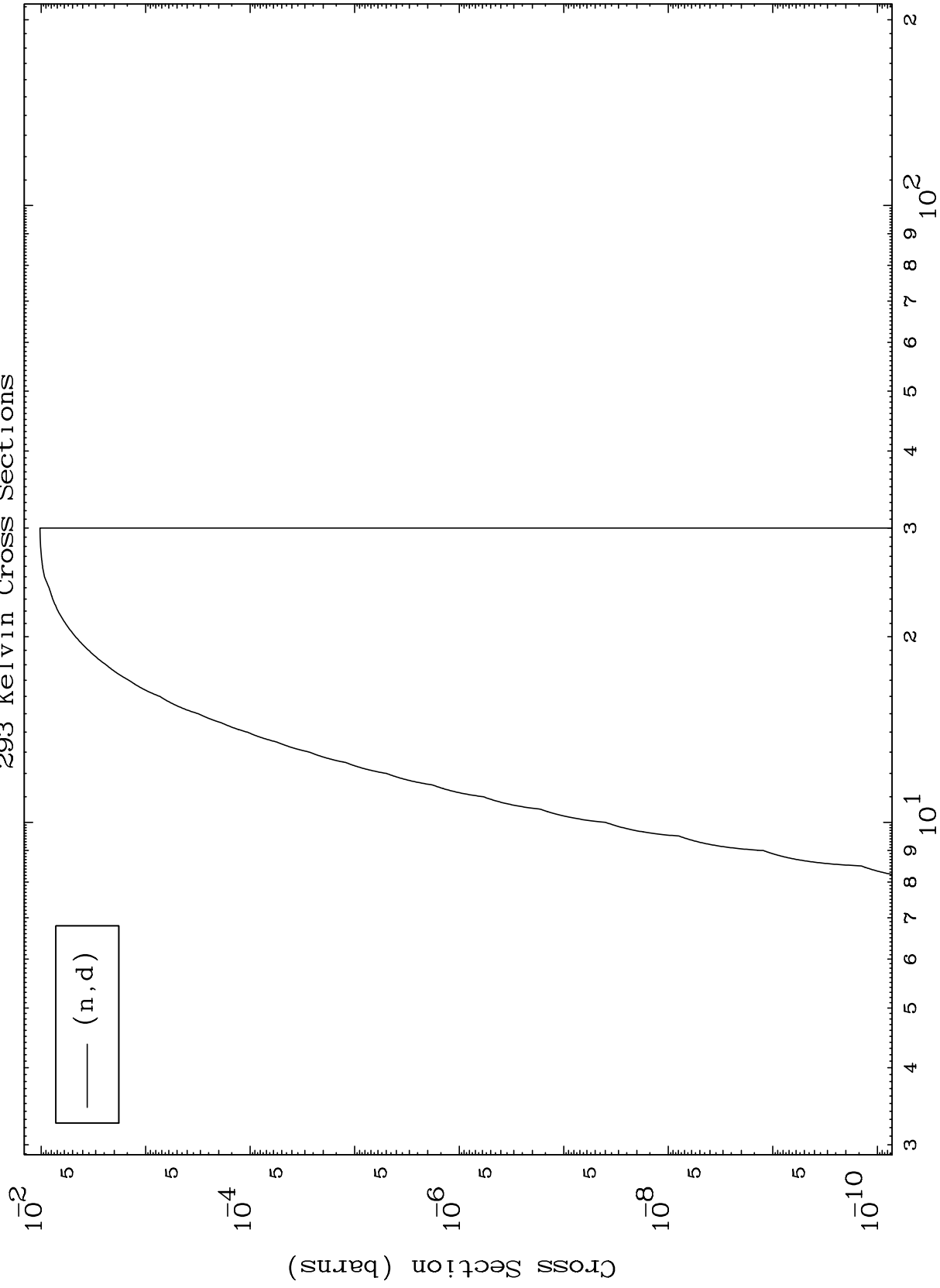
Incident Energy (MeV)

87-Fr-223

MAT 8758

(n,d) Levels  
293 Kelvin Cross Sections

87-Fr-223



12

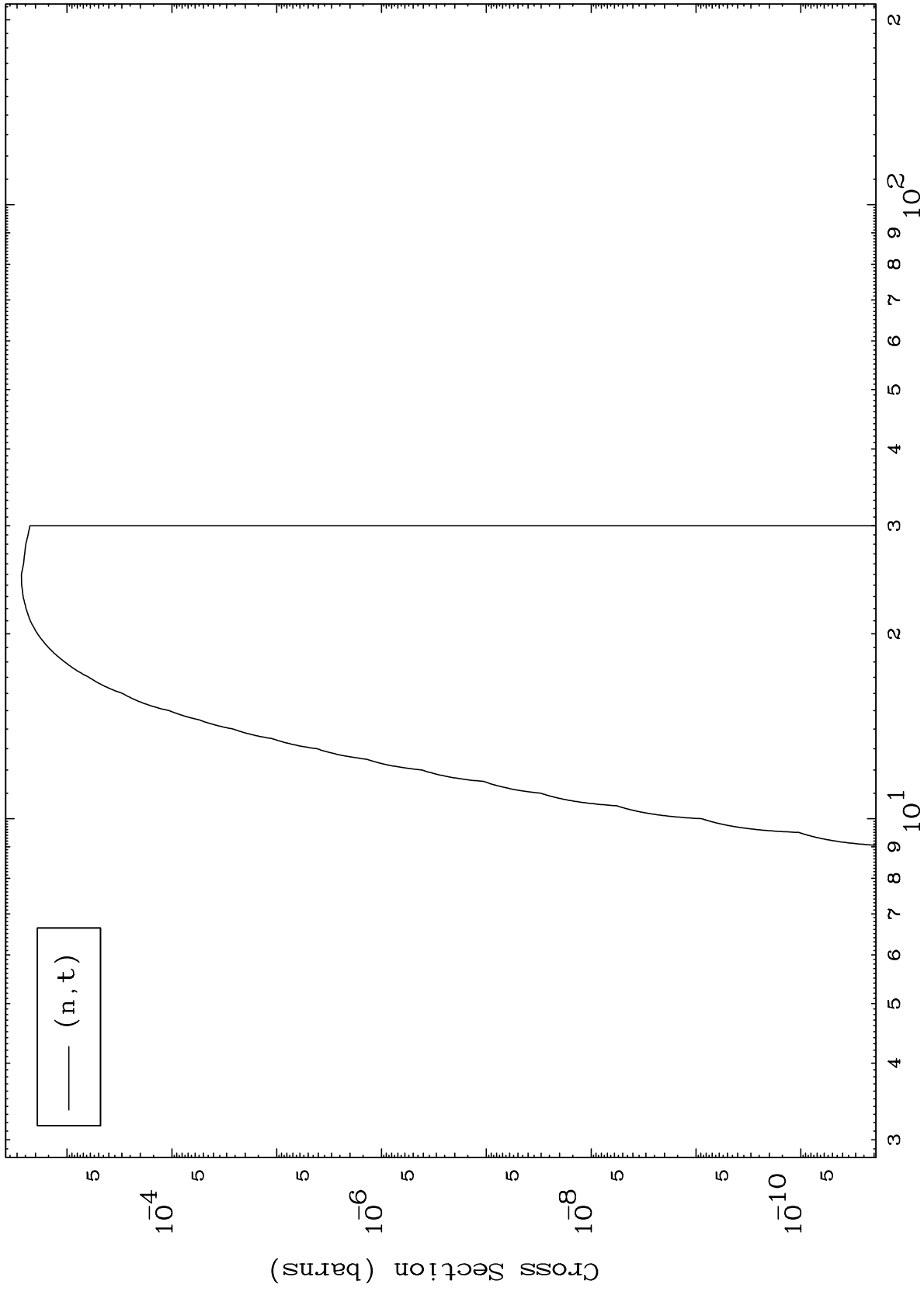
Incident Energy (MeV)

87-Fr-223

MAT 8758

(n,t) Levels  
293 Kelvin Cross Sections

87-Fr-223



13

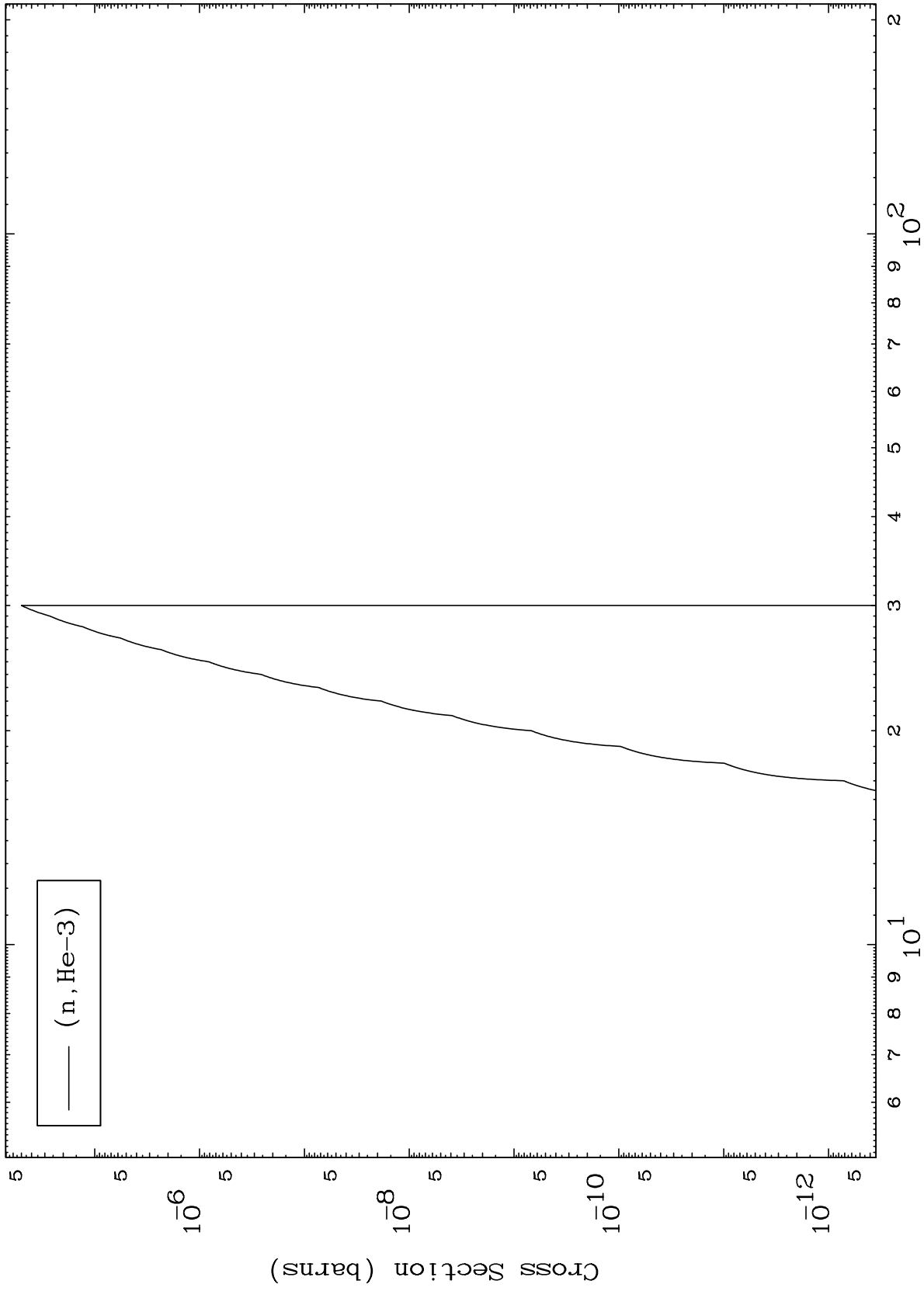
Incident Energy (MeV)

87-Fr-223

MAT 8758

(n,He3) Levels  
293 Kelvin Cross Sections

87-Fr-223



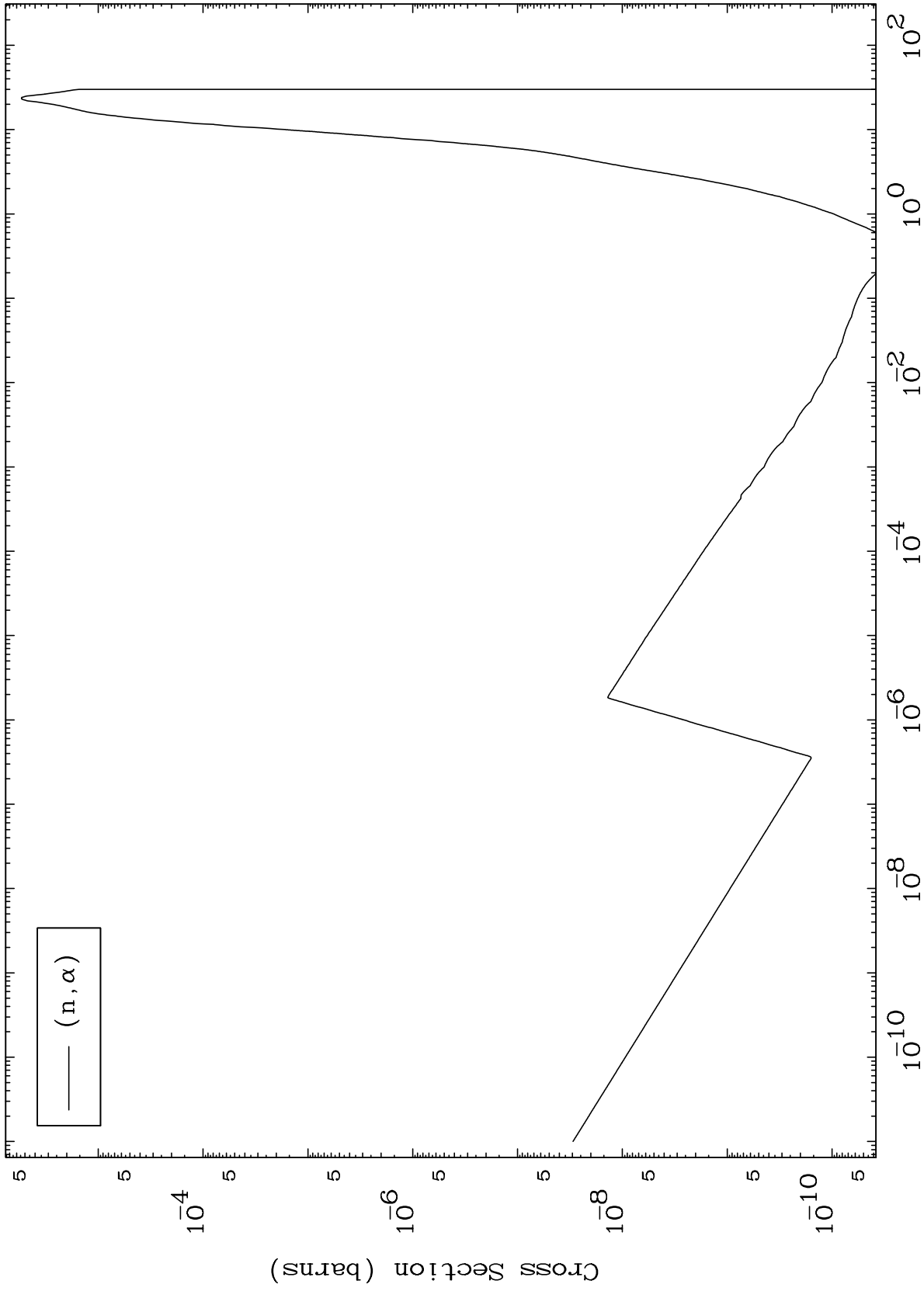
14

87-Fr-223

MAT 8758

(n, $\alpha$ ) Levels  
293 Kelvin Cross Sections

87-Fr-223

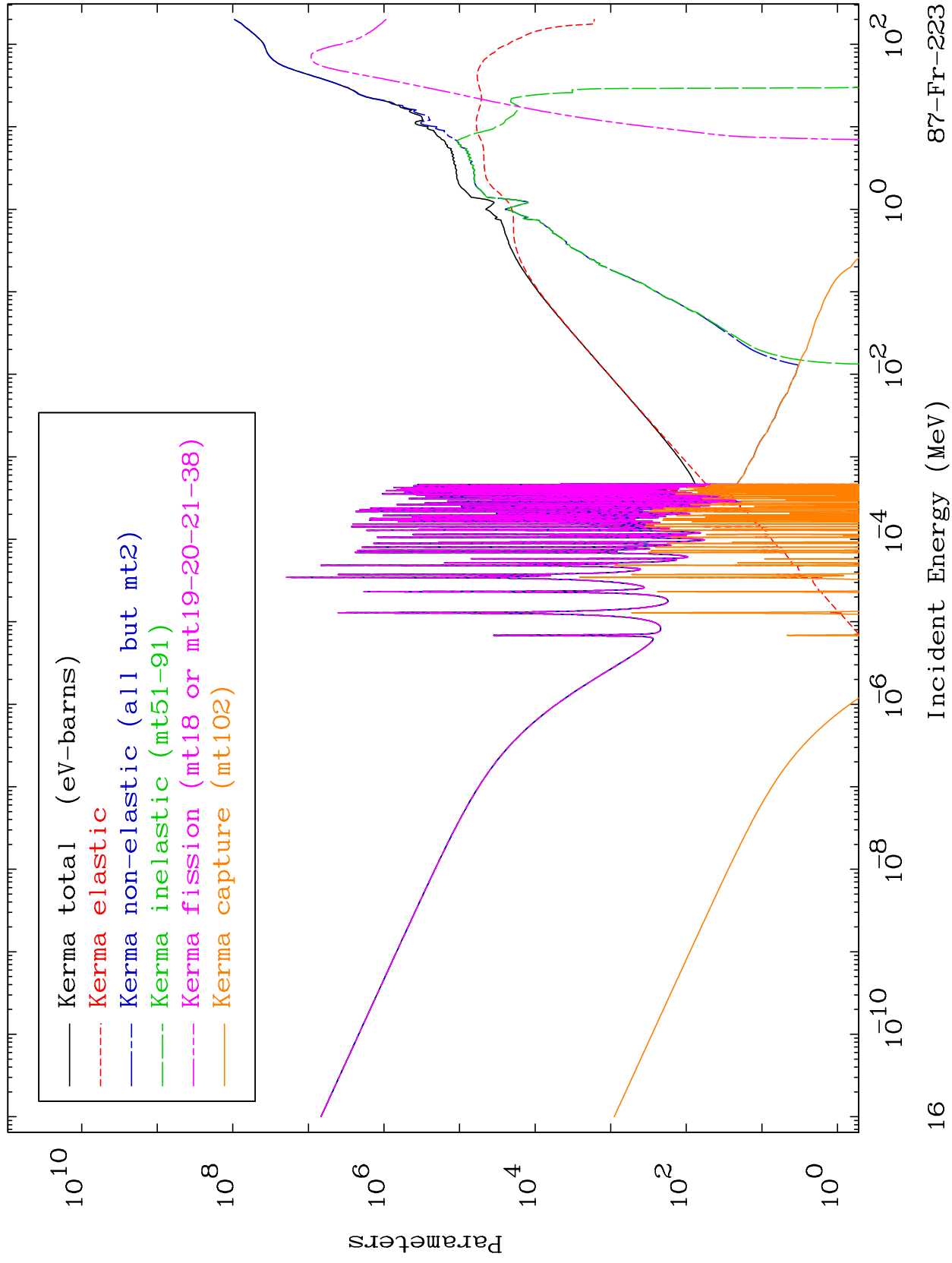


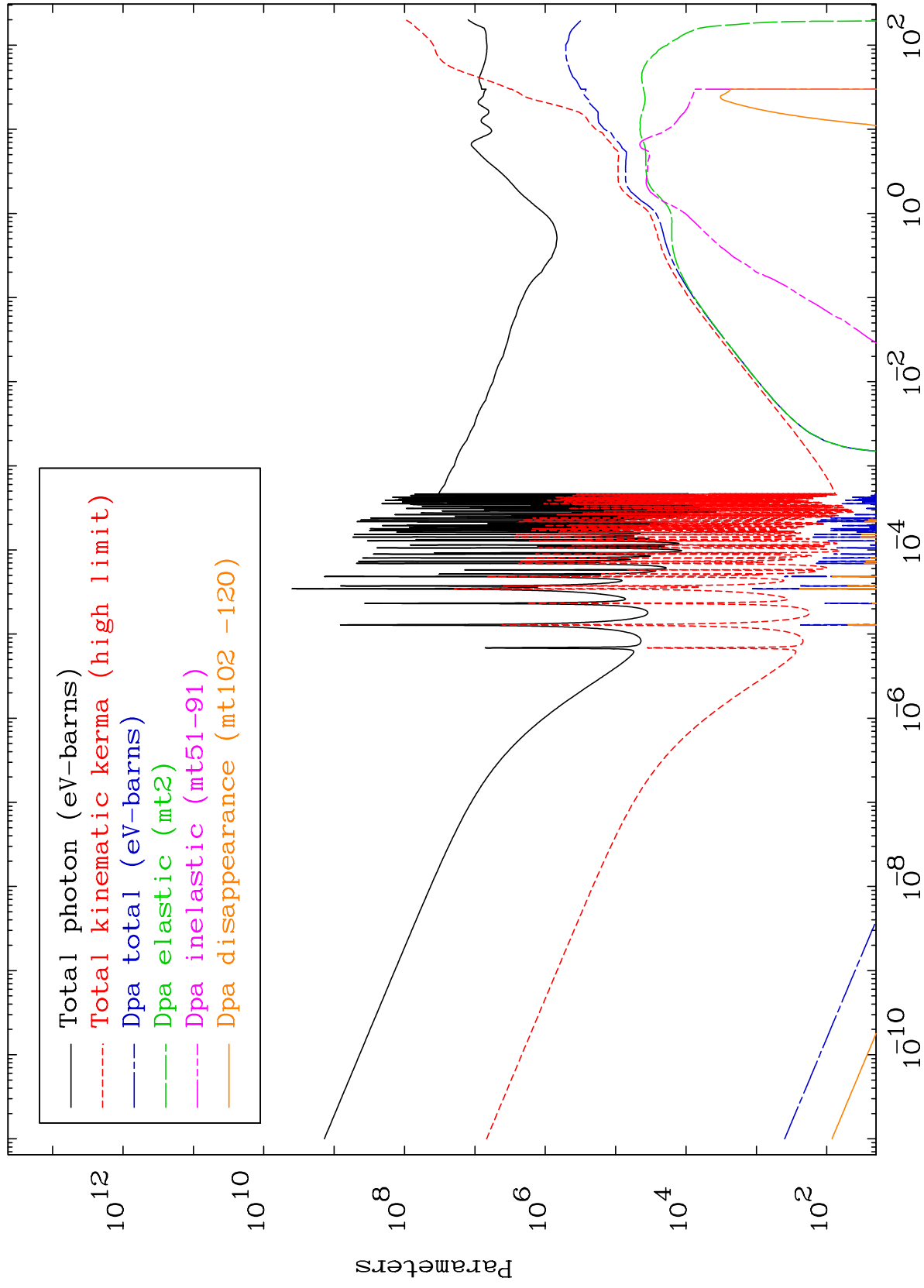
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Incident Energy (MeV)

87-Fr-223



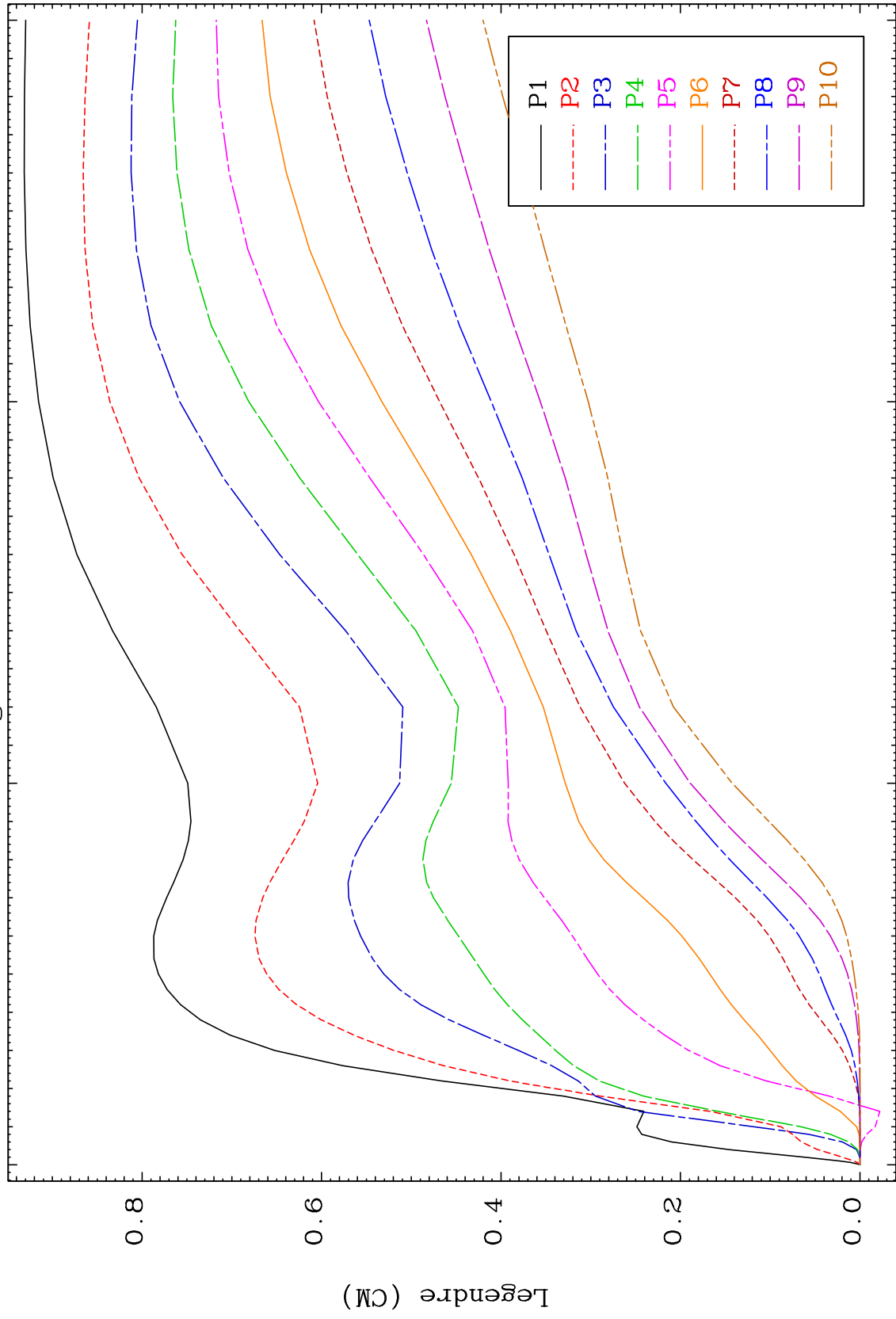




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Elastic Legendre Coefficients



18

Incident Energy (MeV)

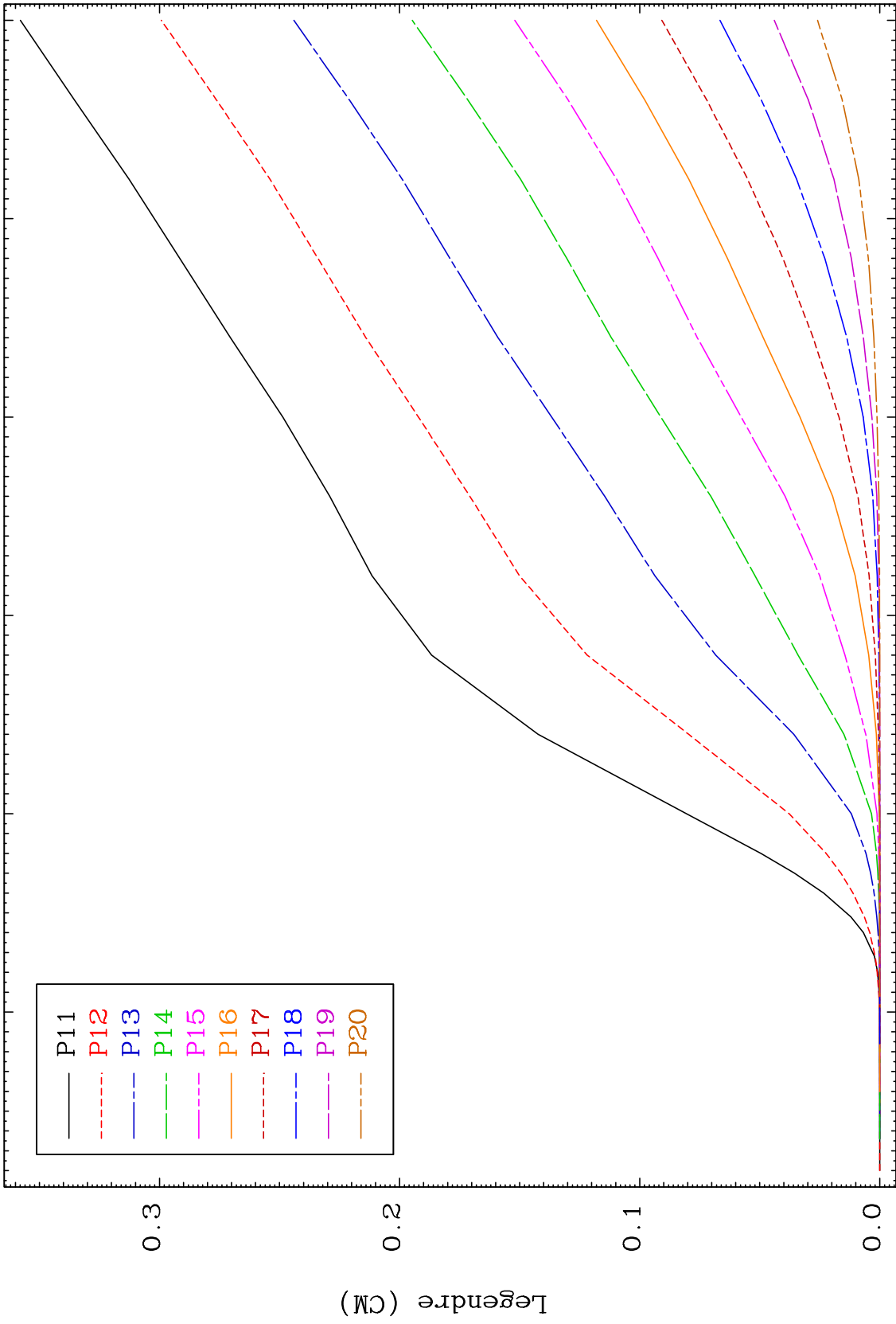
30

87-Fr-223

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Elastic Legendre Coefficients

87-Fr-223



19

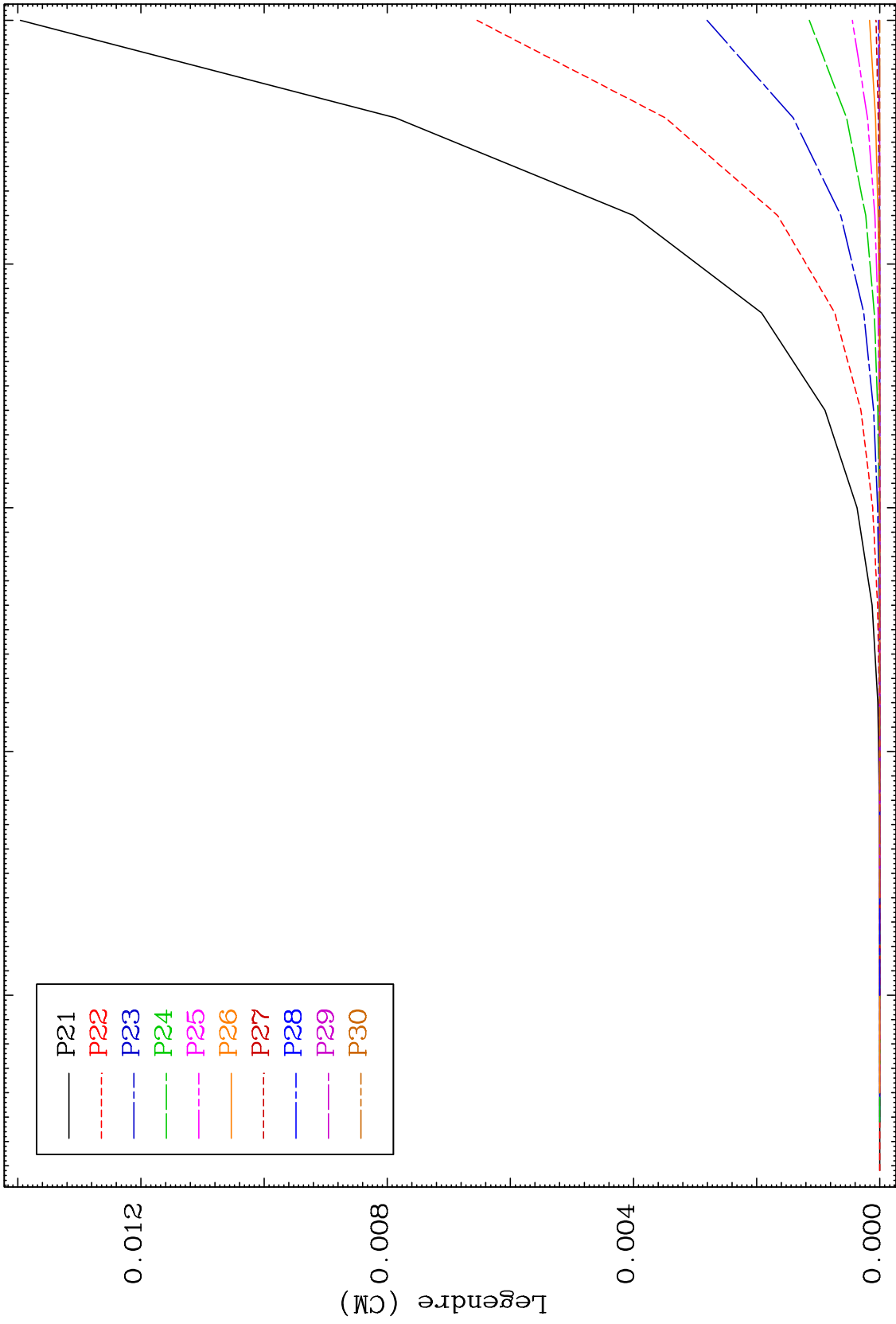
Incident Energy (MeV)

87-Fr-223

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### Elastic Legendre Coefficients

87-Fr-223



20

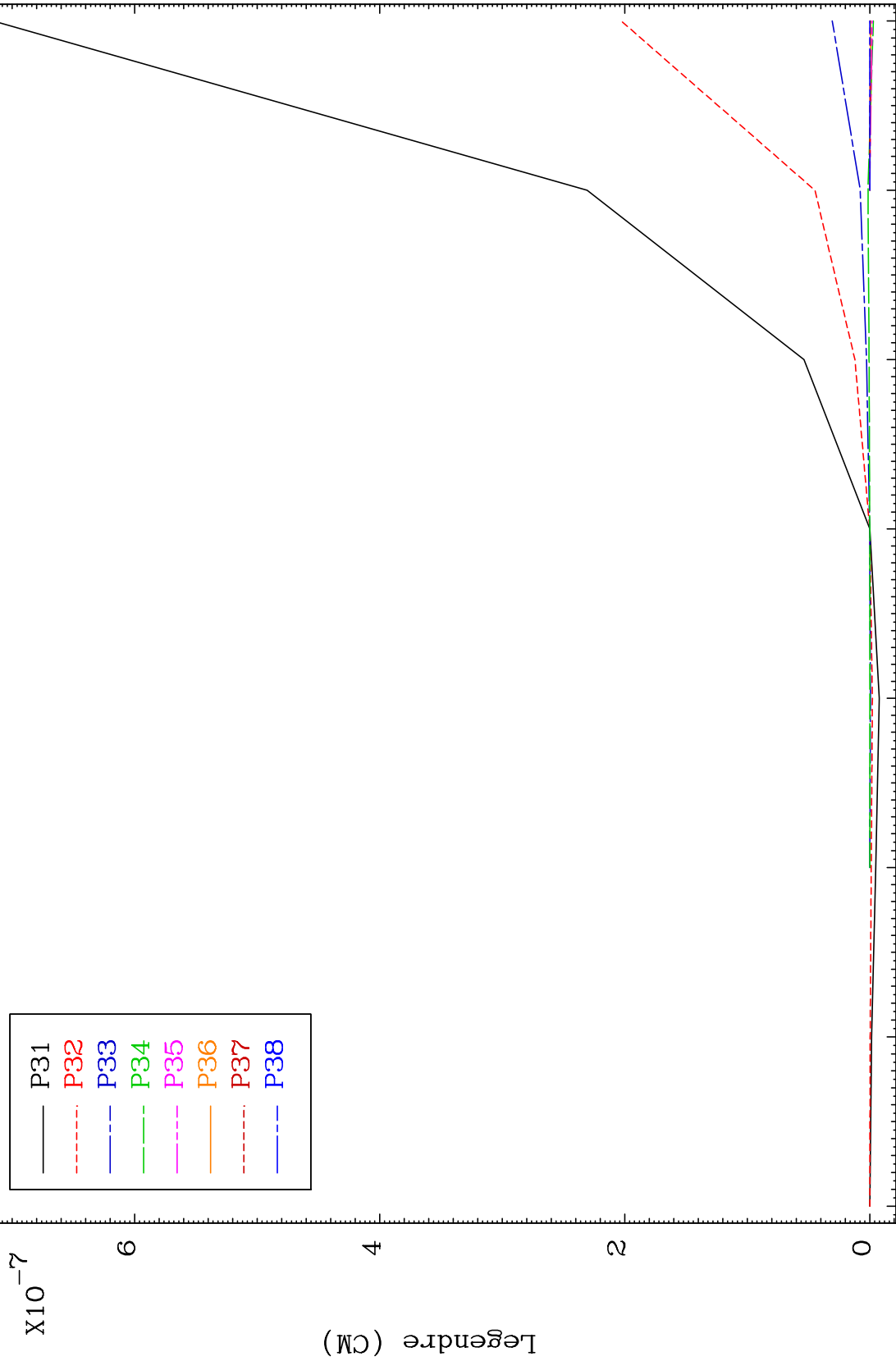
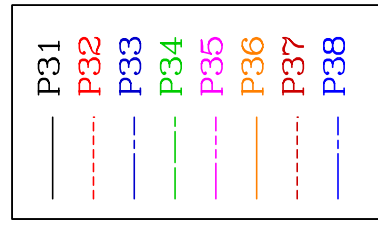
Incident Energy (MeV)

87-Fr-223

MAT 8758

Elastic Legendre Coefficients

87-Fr-223



21

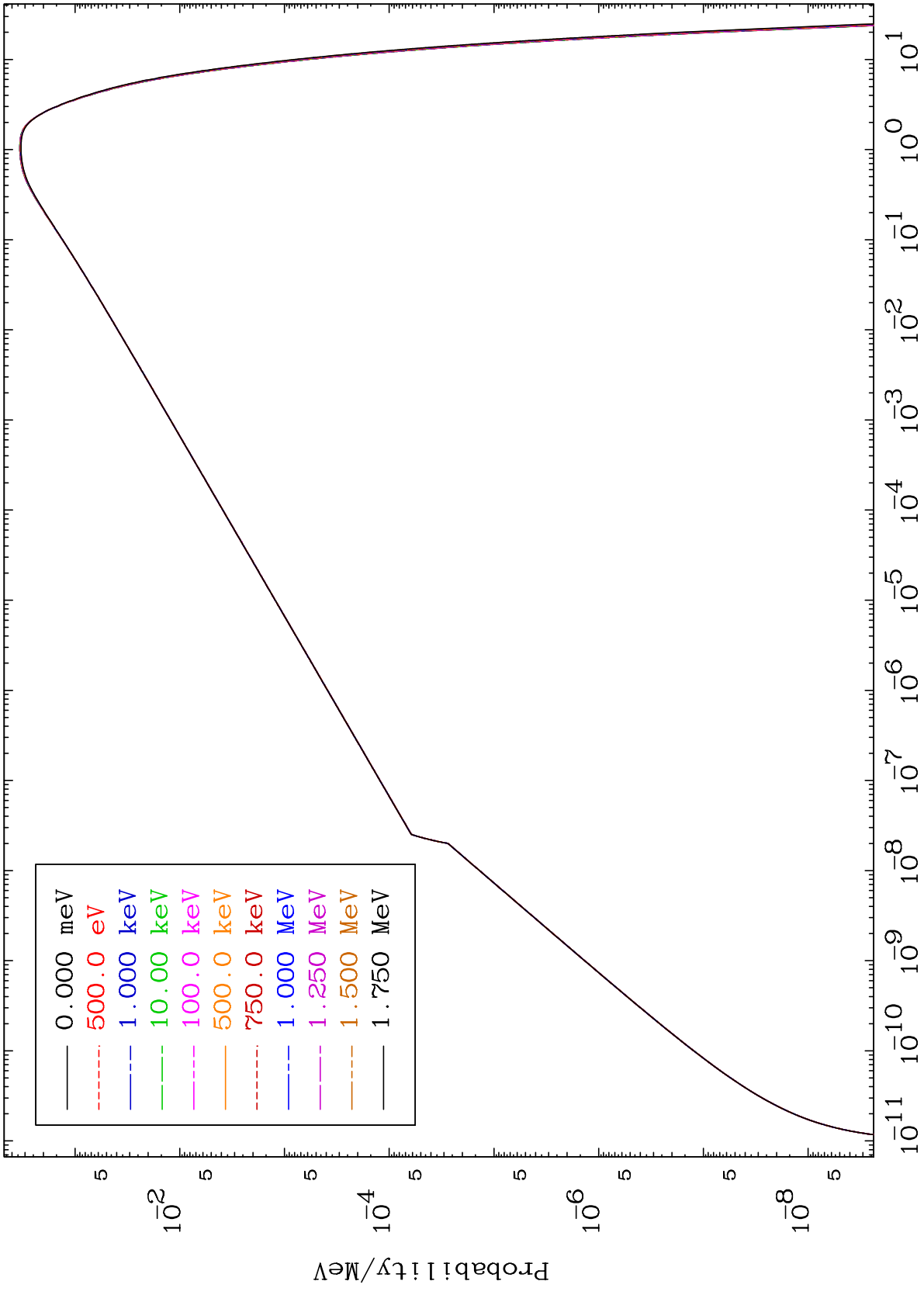
Incident Energy (MeV)

87-Fr-223

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### Fission Energy Distribution

<sup>87</sup>Fr-223

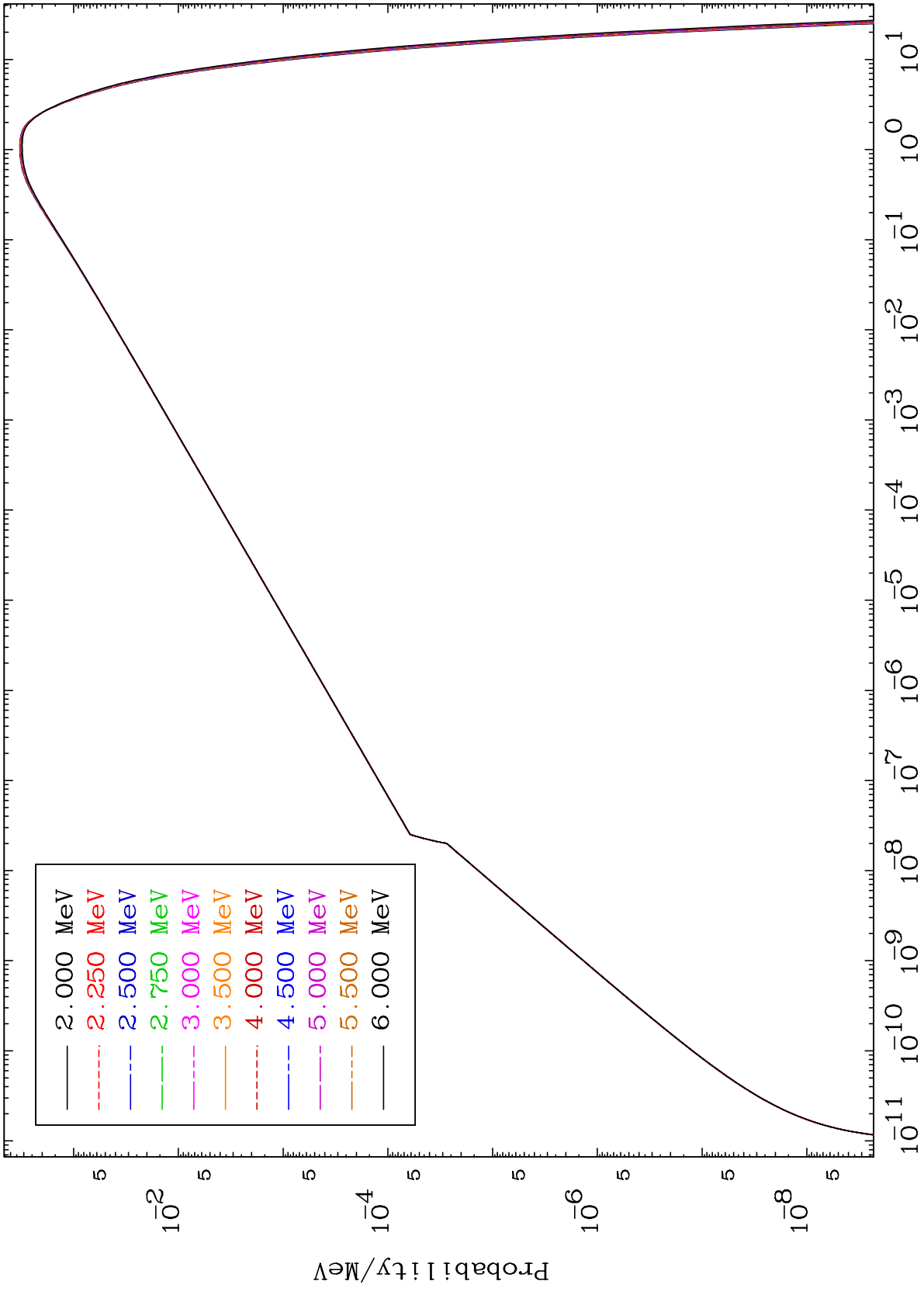


<sup>87</sup>Fr-223

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### Fission Energy Distribution

87-Fr-223



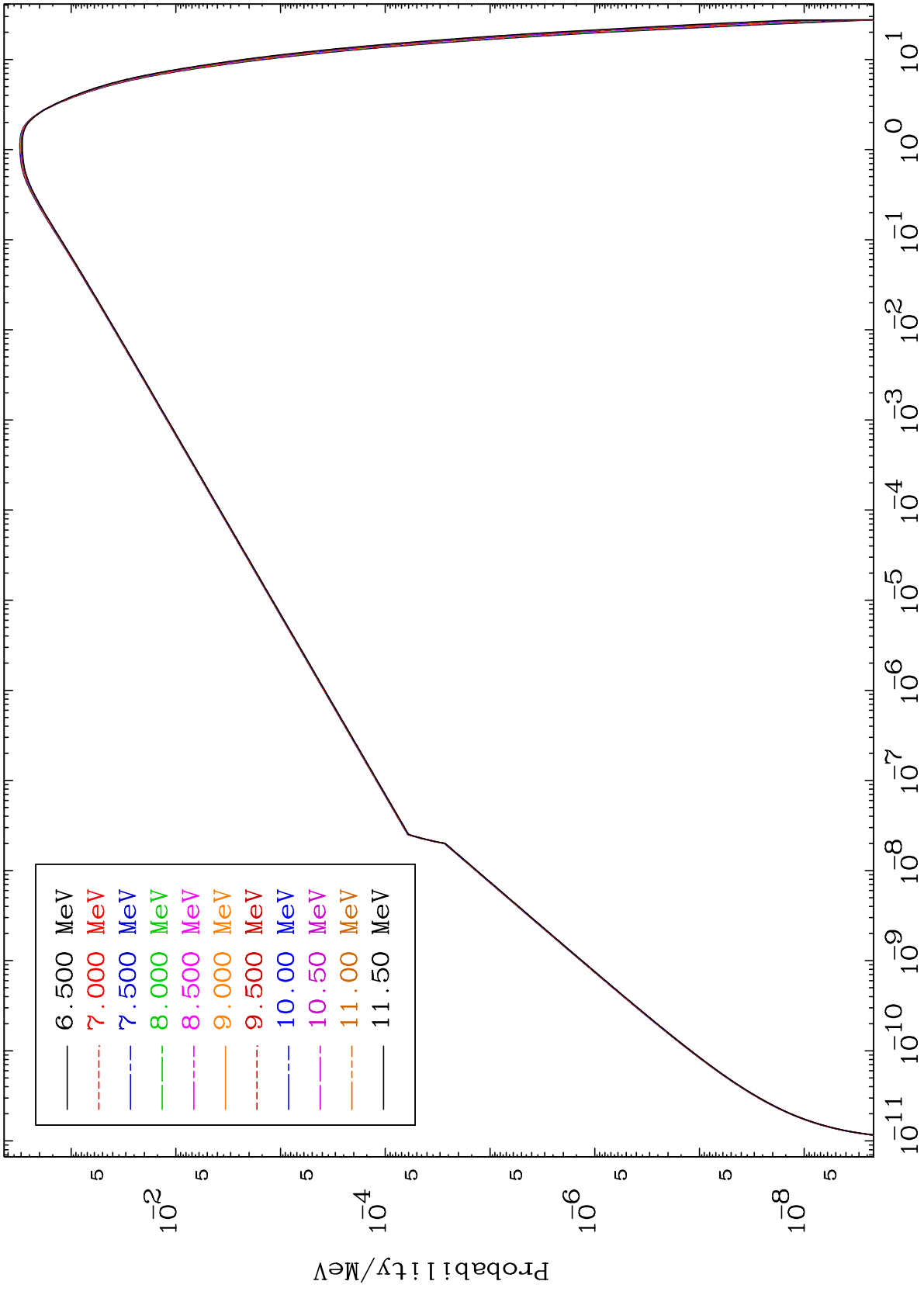
87-Fr-223



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Fission Energy Distribution

87-Fr-223



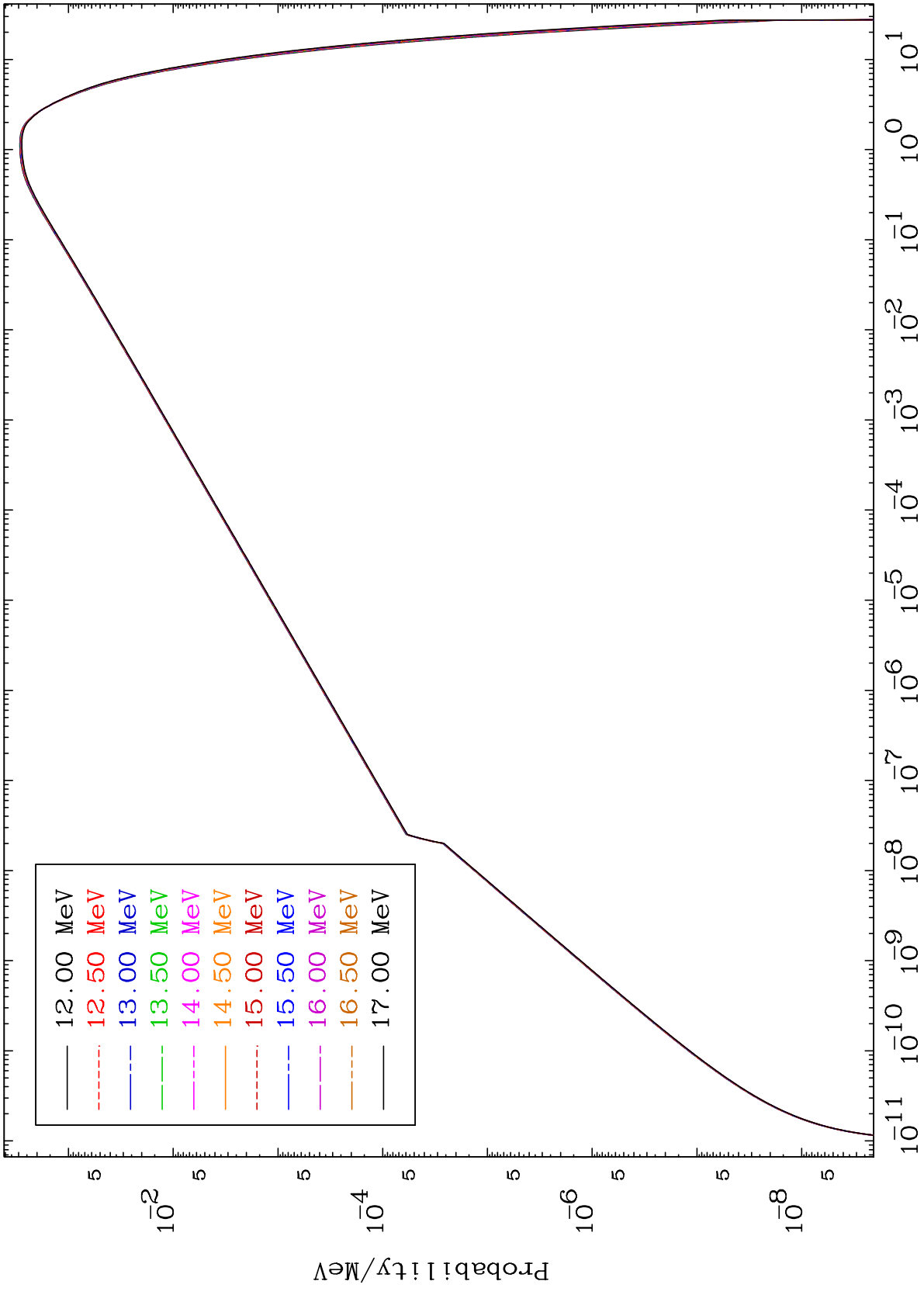
87-Fr-223

Secondary Energy (MeV)

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### Fission Energy Distribution

87-Fr-223



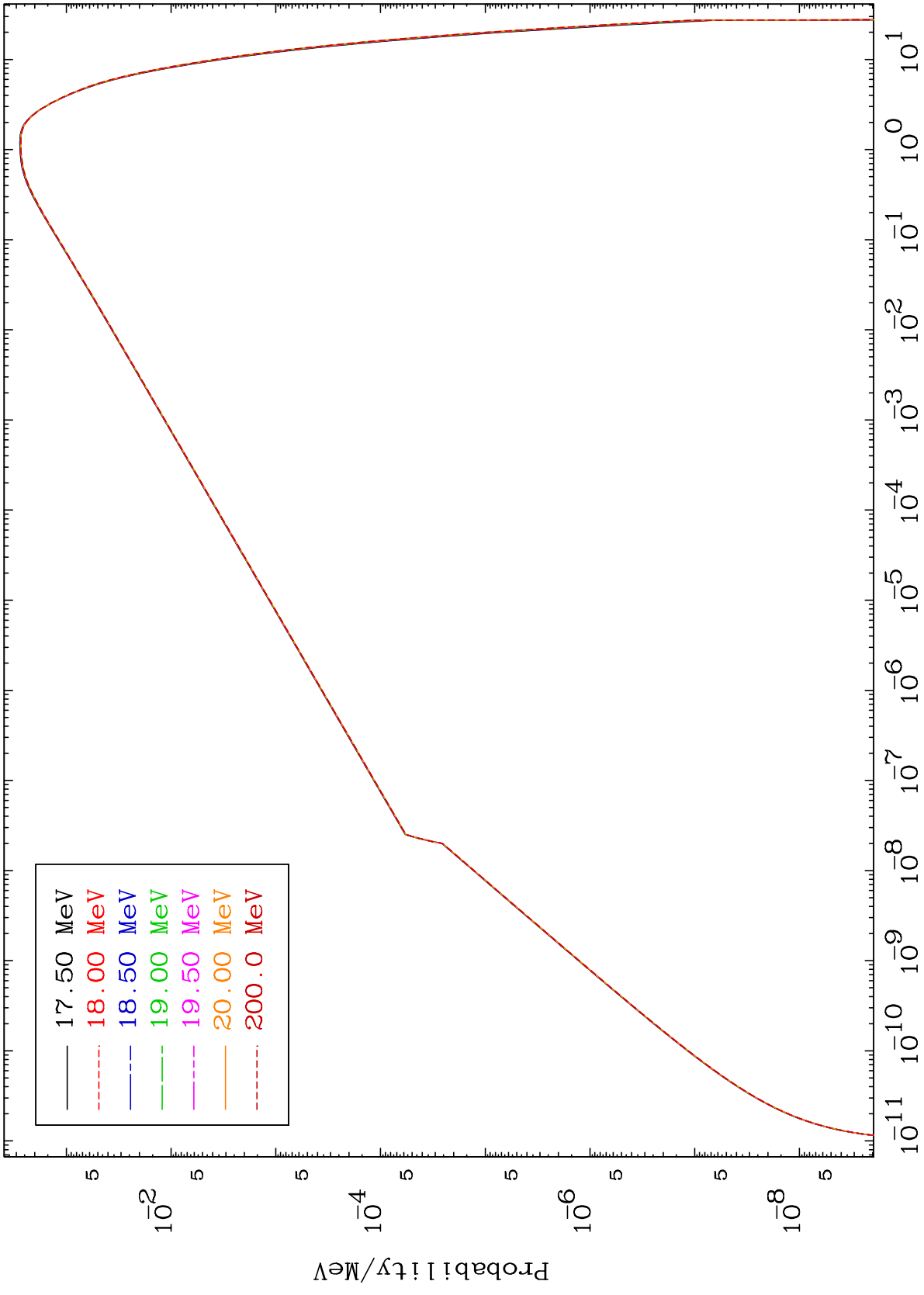
87-Fr-223

Secondary Energy (MeV)

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### Fission Energy Distribution

87-Fr-223



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

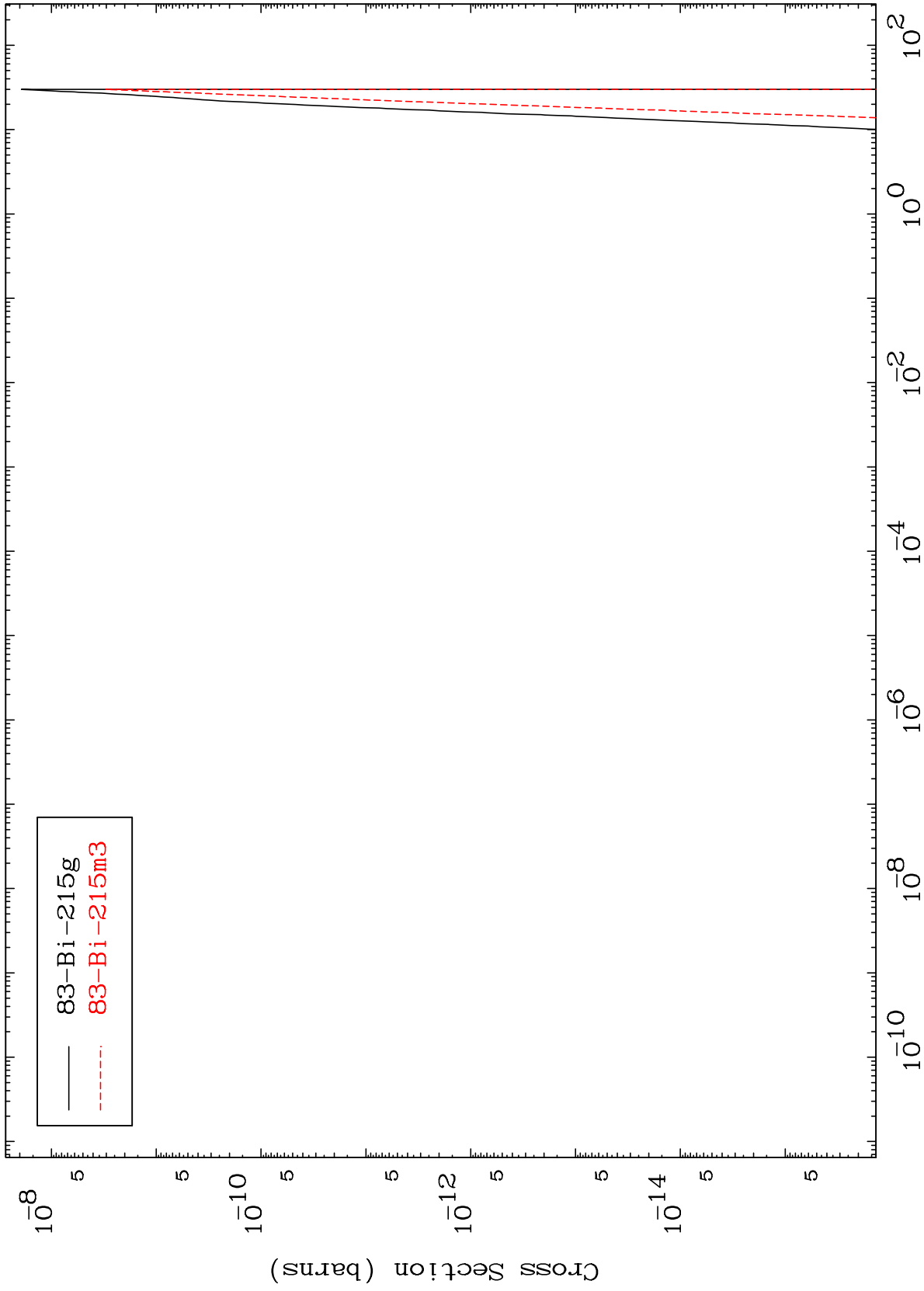
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(n,n') 2 $\alpha$

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Radionuclide Production Cross Section



27

Incident Energy (MeV)

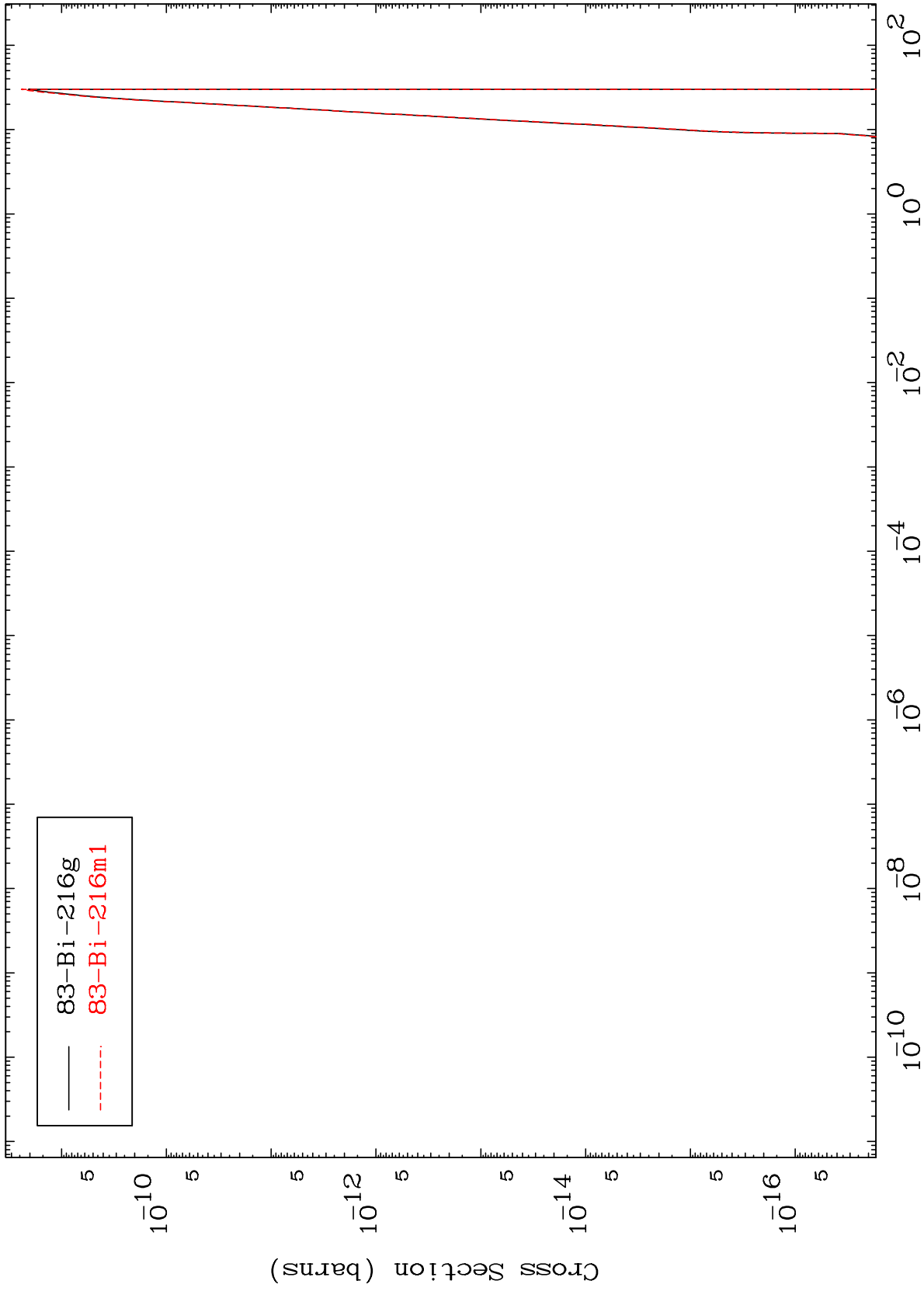
87-Fr-223

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(n,2α)

87-Fr-223

Radionuclide Production Cross Section



28

Incident Energy (MeV)

87-Fr-223