

Program EVALPLOT
(Version 2021-1)

by

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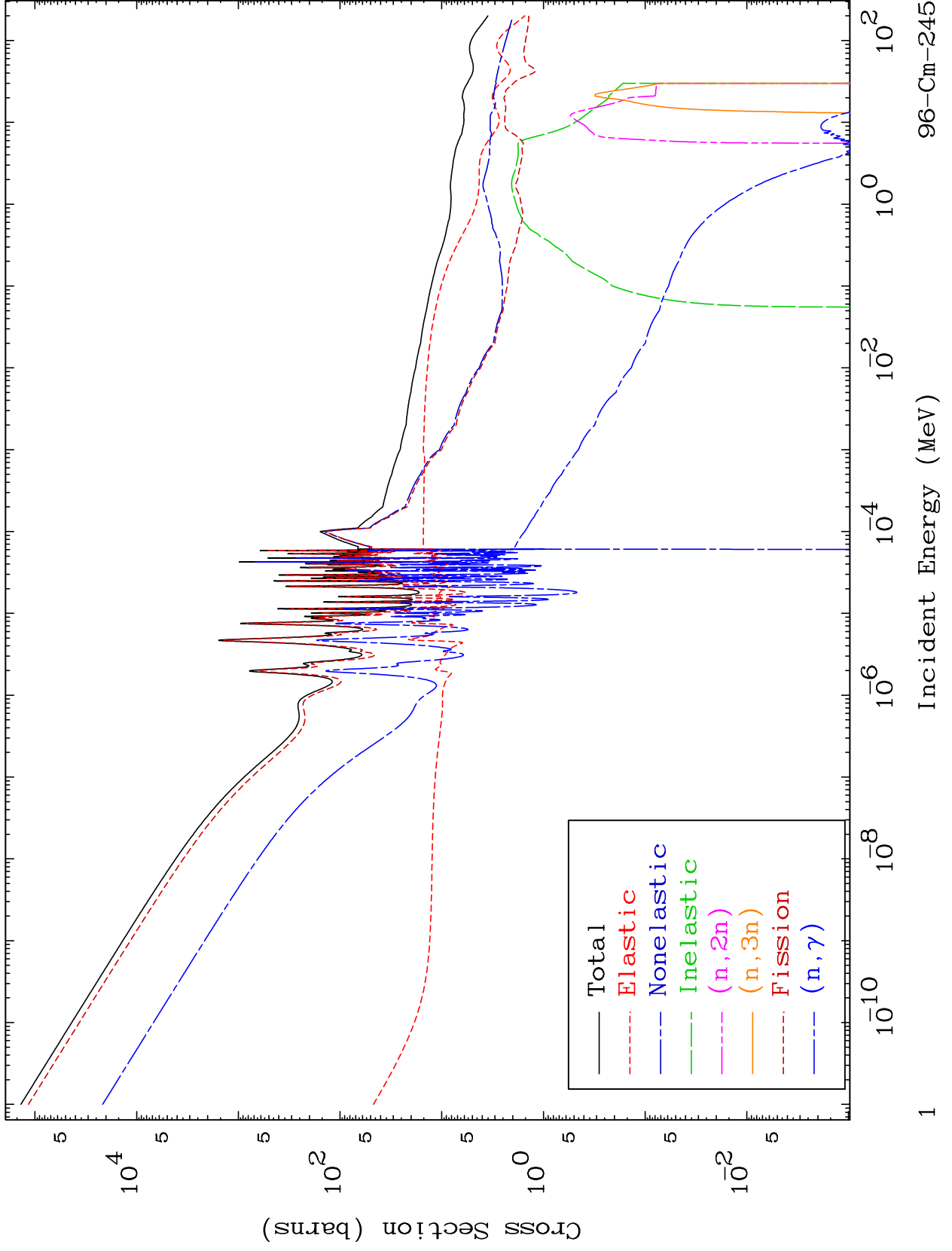
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9640

Neutron Major
293 Kelvin Cross Sections

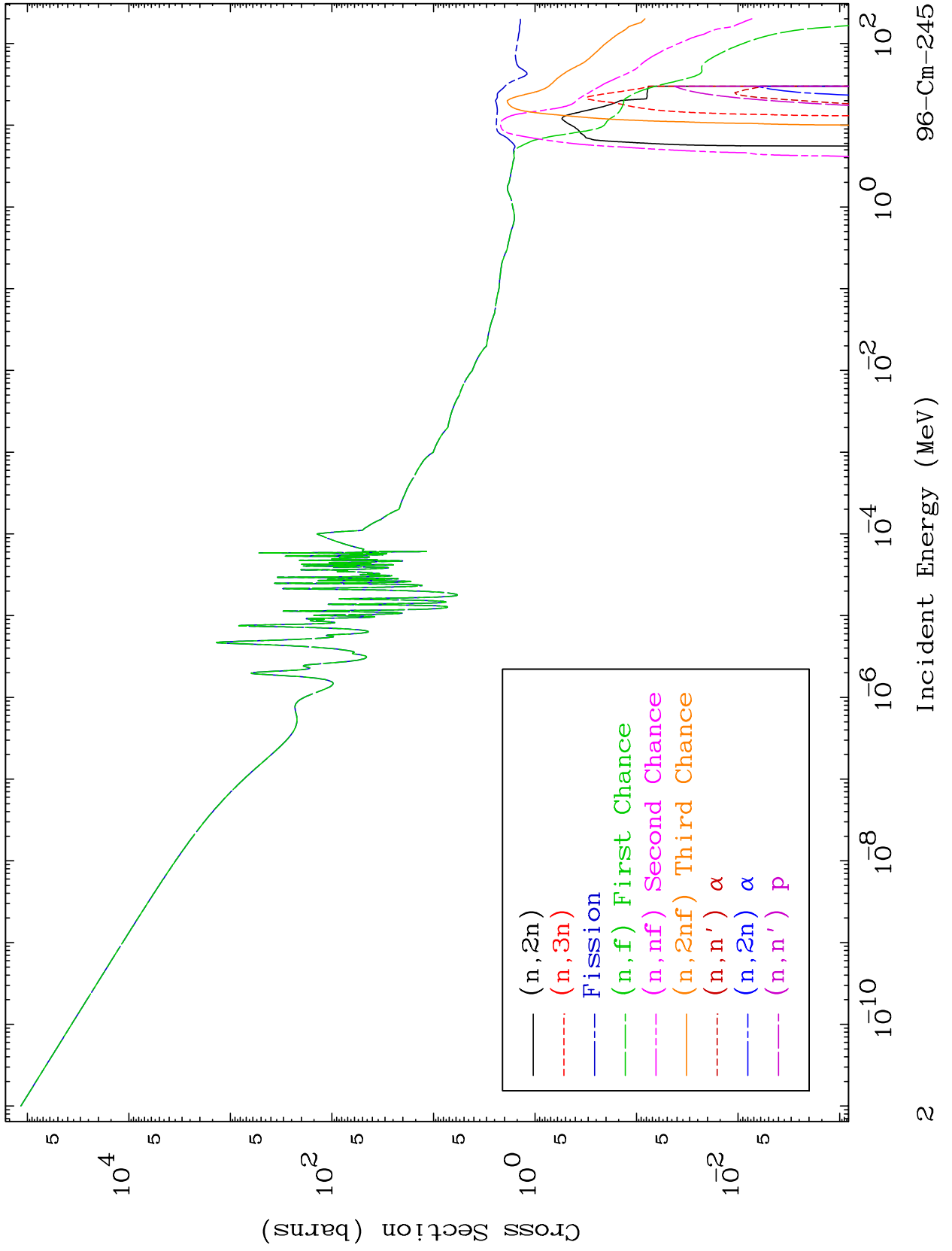
96-Cm-245



MAT 9640

Neutron Absorption
293 Kelvin Cross Sections

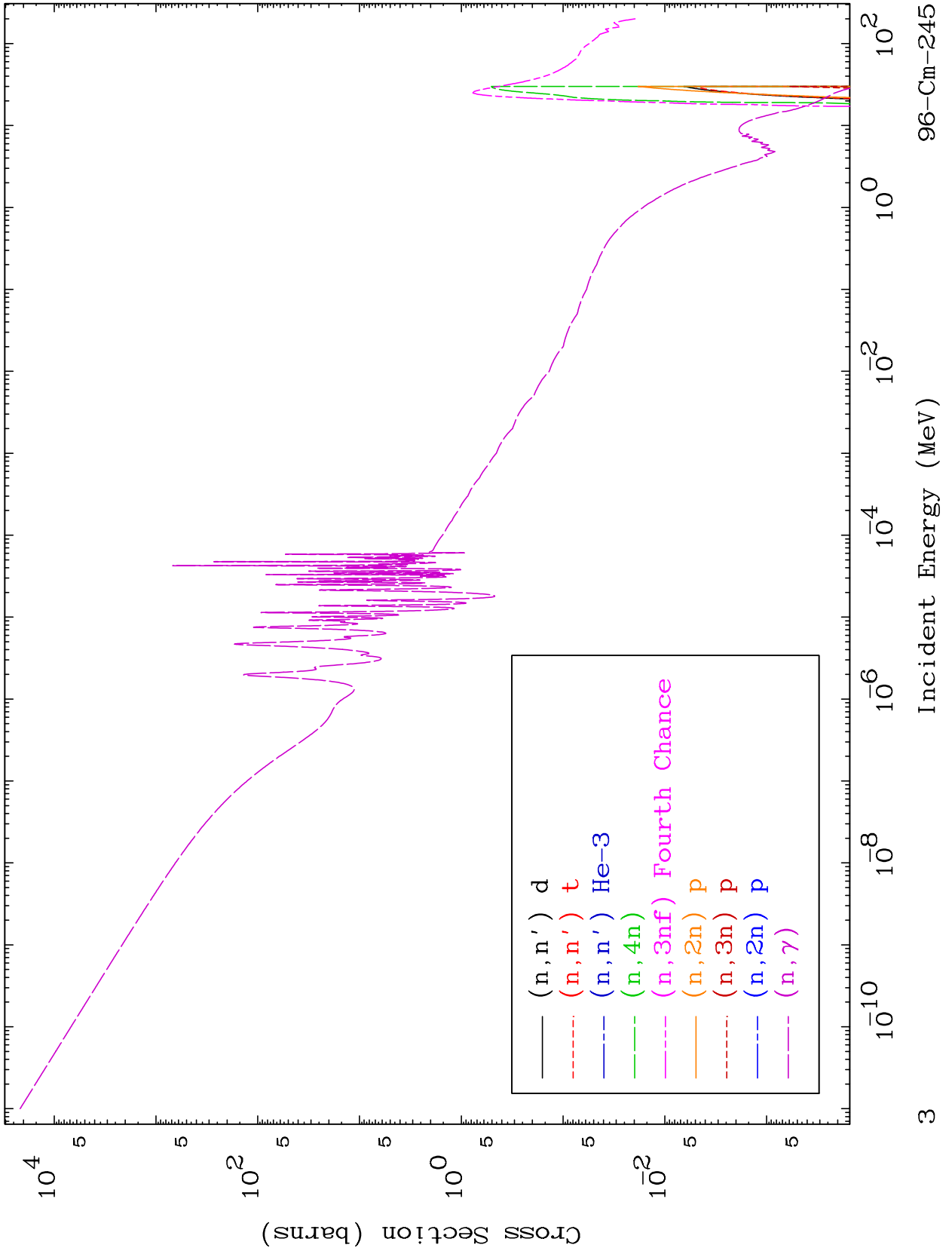
96-Cm-245



MAT 9640

Neutron Absorption
293 Kelvin Cross Sections

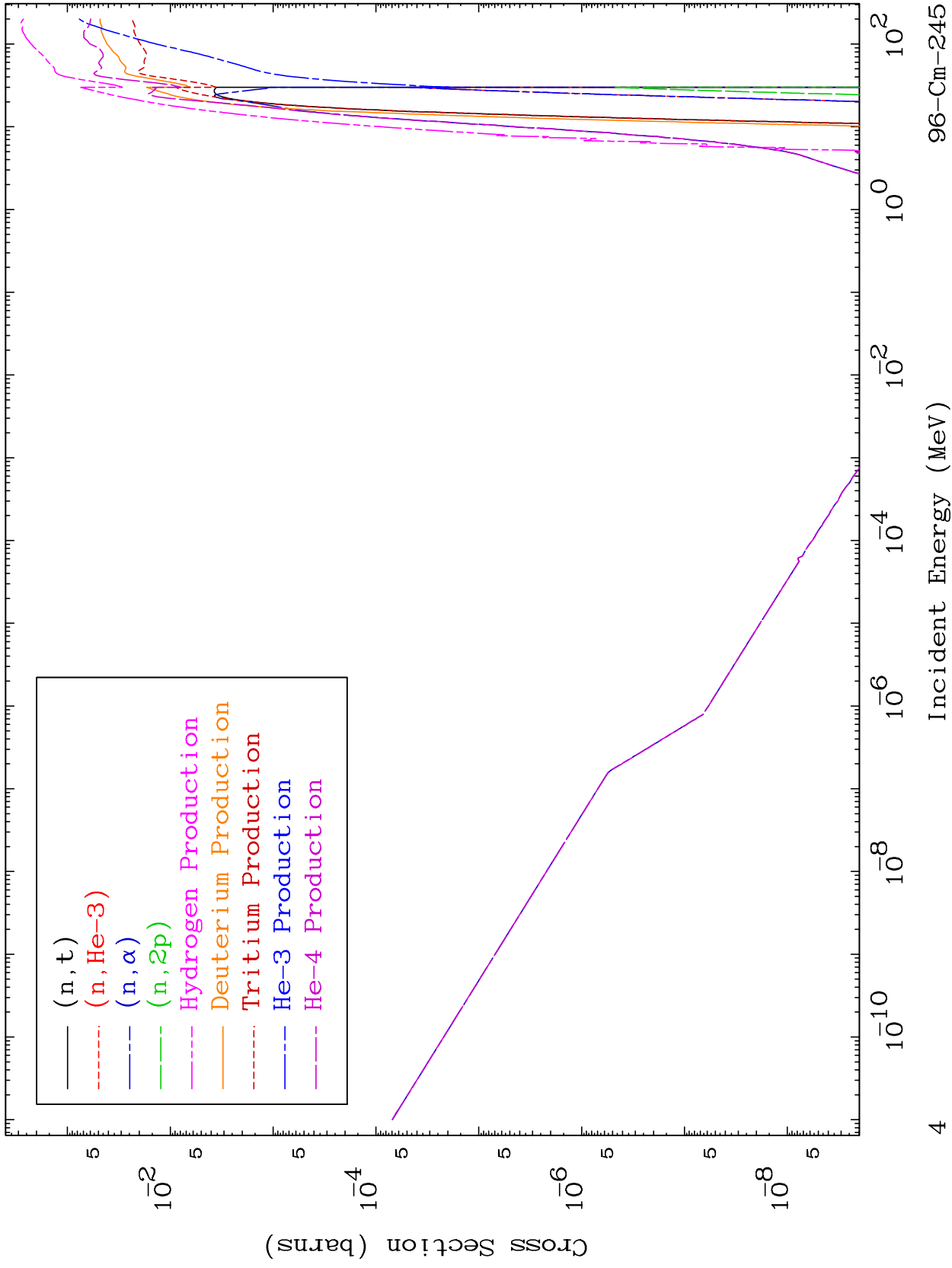
96-Cm-245



MAT 9640

Neutron Absorption
293 Kelvin Cross Sections

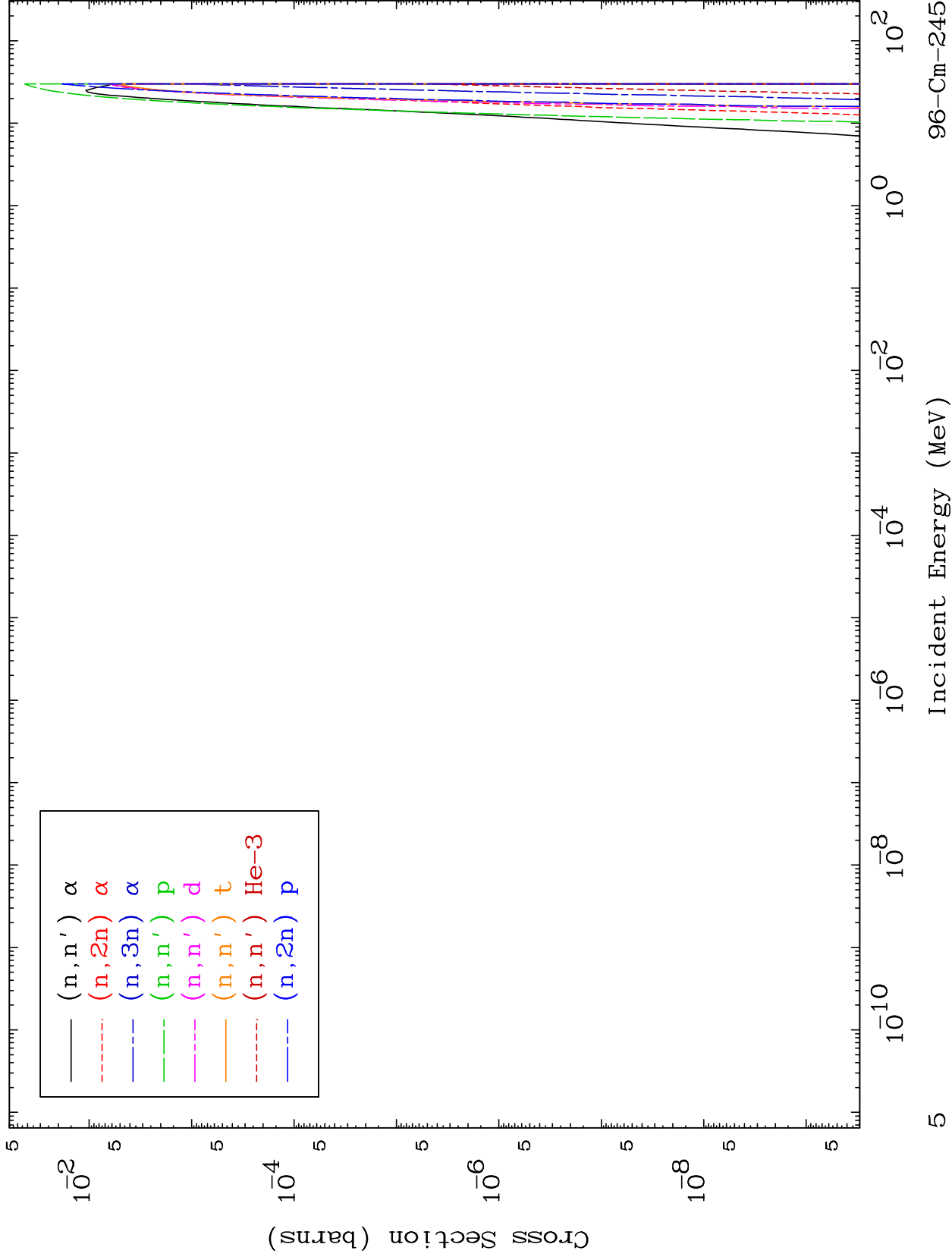
96-Cm-245



MAT 9640

Charged Particle
293 Kelvin Cross Sections

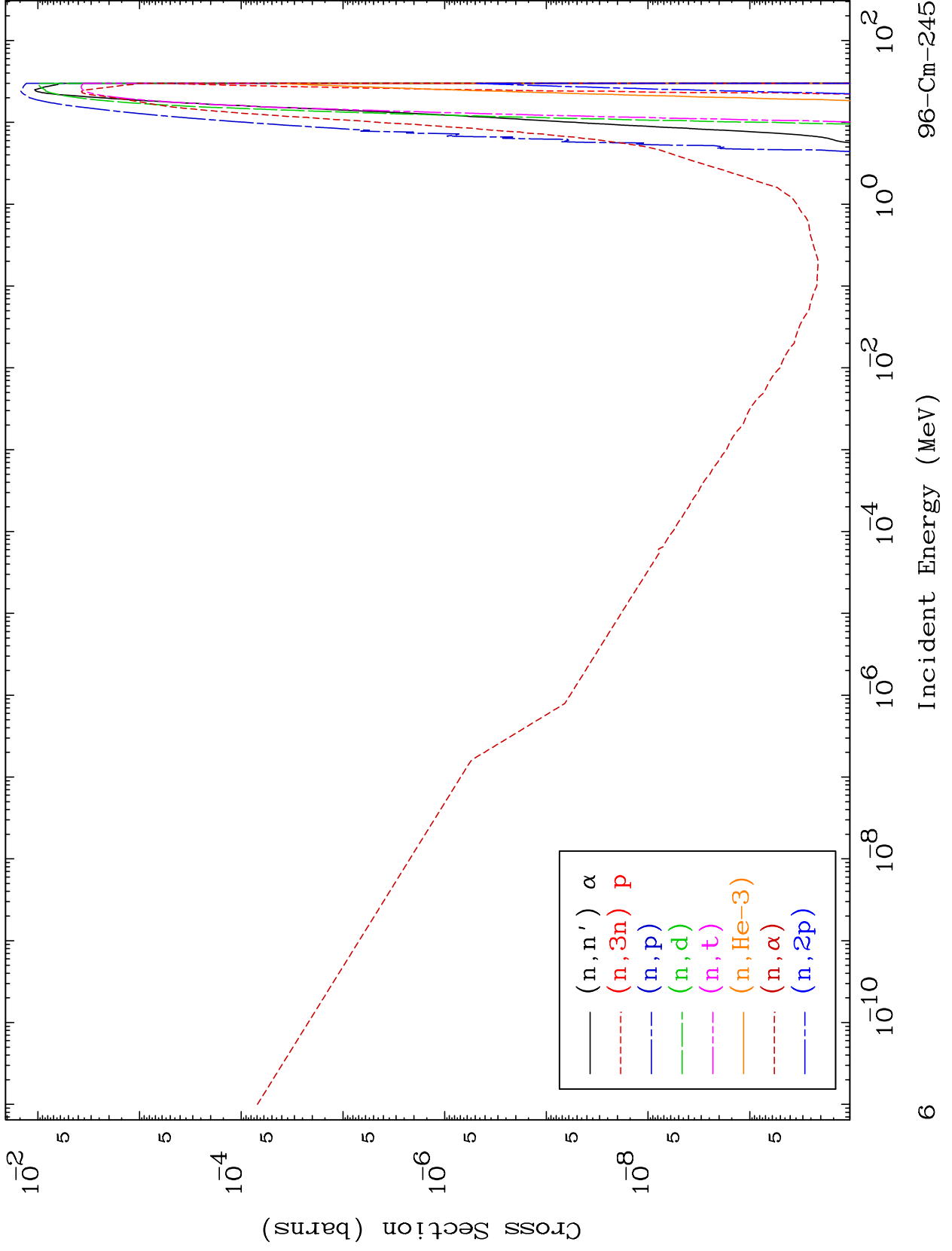
96-Cm-245



MAT 9640

Charged Particle
293 Kelvin Cross Sections

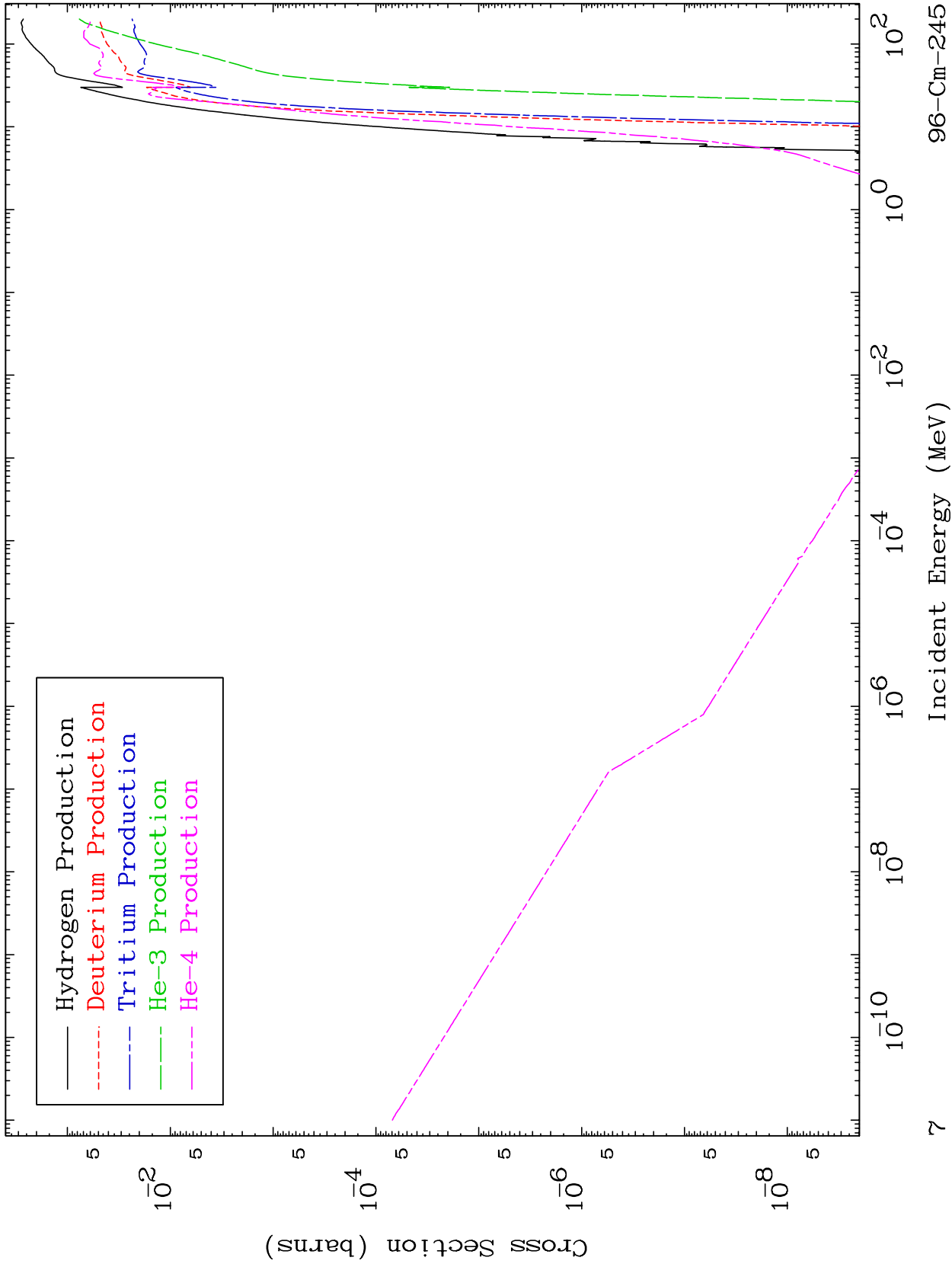
96-Cm-245



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Particle Production
293 Kelvin Cross Sections

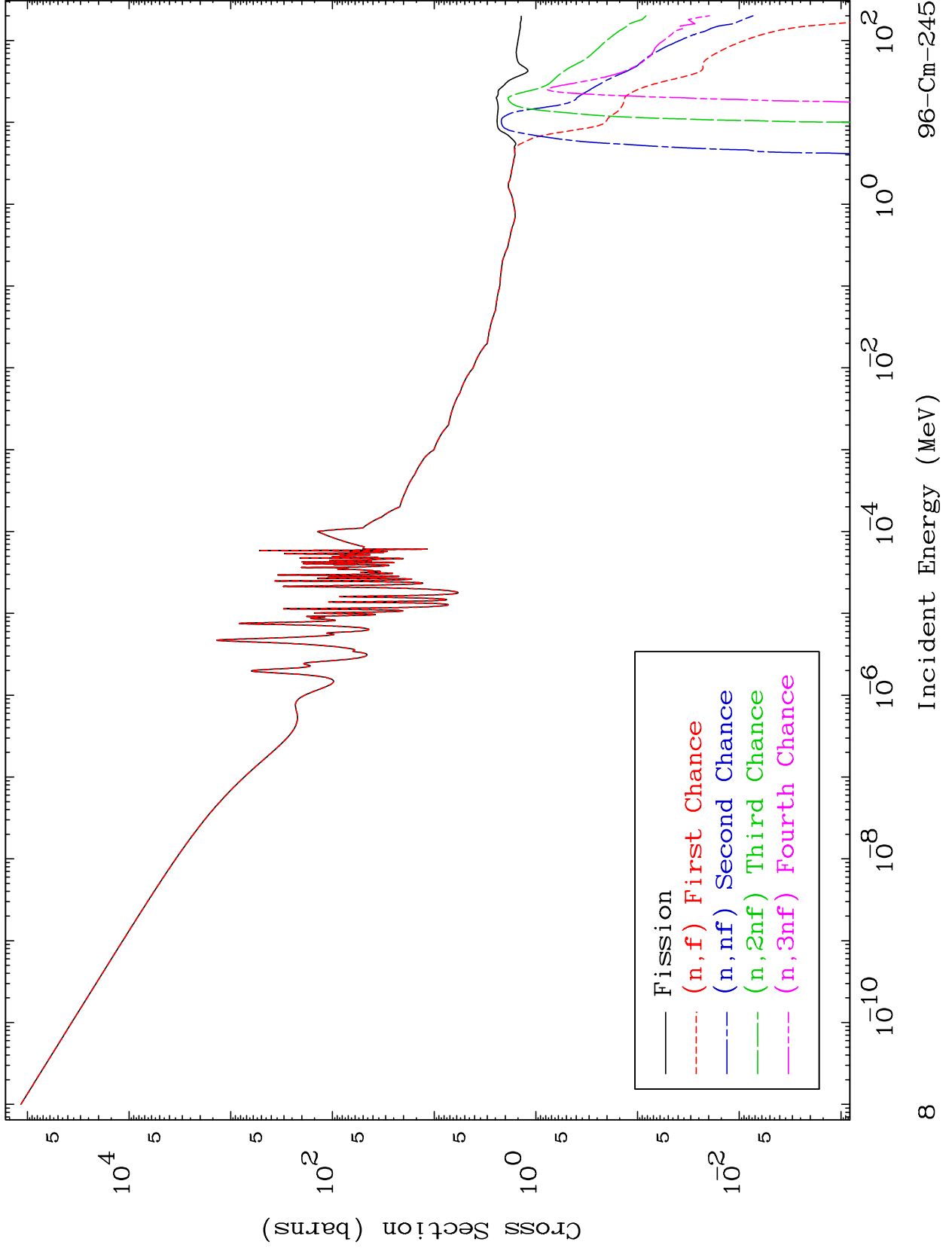
96-Cm-245



MAT 9640

Fission
293 Kelvin Cross Sections

96-Cm-245

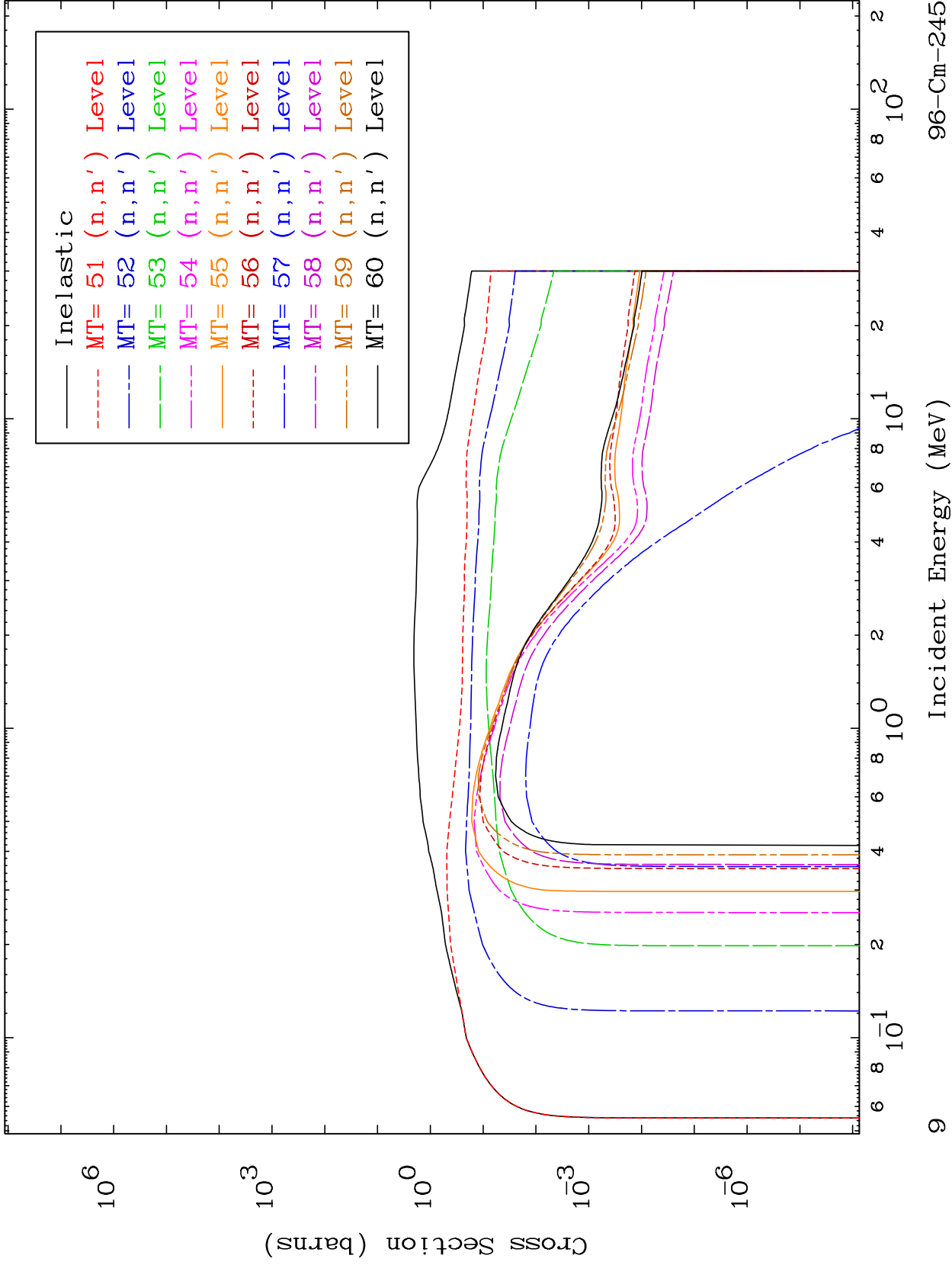


MAT 9640

(n,n') Levels

96-Cm-245

293 Kelvin Cross Sections

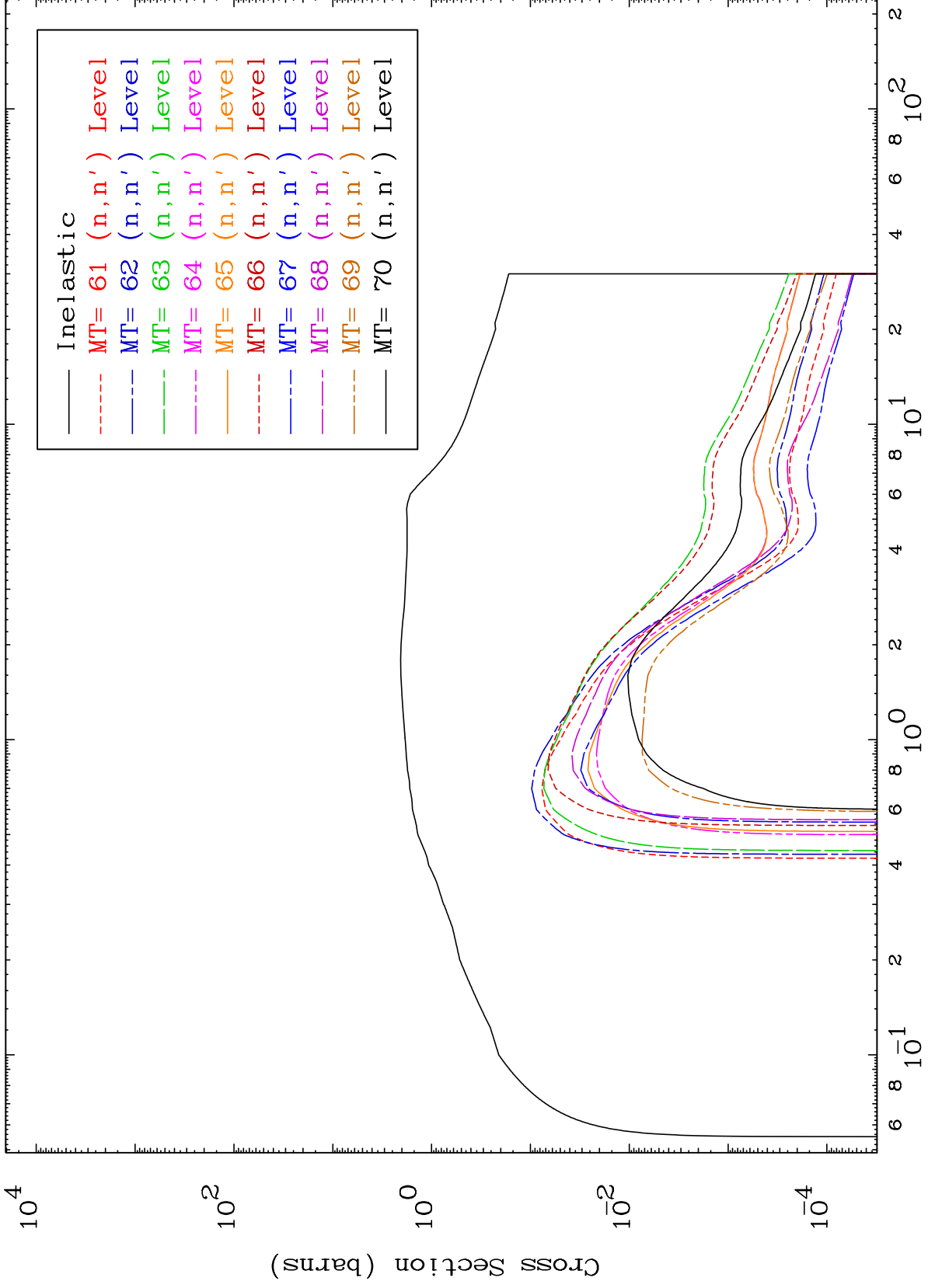


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(n,n') Levels

293 Kelvin Cross Sections

96-Cm-245



—	Inelastic
- - -	MT= 61 (n,n') Level
- · -	MT= 62 (n,n') Level
- - -	MT= 63 (n,n') Level
- · -	MT= 64 (n,n') Level
- - -	MT= 65 (n,n') Level
- · -	MT= 66 (n,n') Level
- - -	MT= 67 (n,n') Level
- · -	MT= 68 (n,n') Level
- - -	MT= 69 (n,n') Level
- · -	MT= 70 (n,n') Level

10

Incident Energy (MeV)

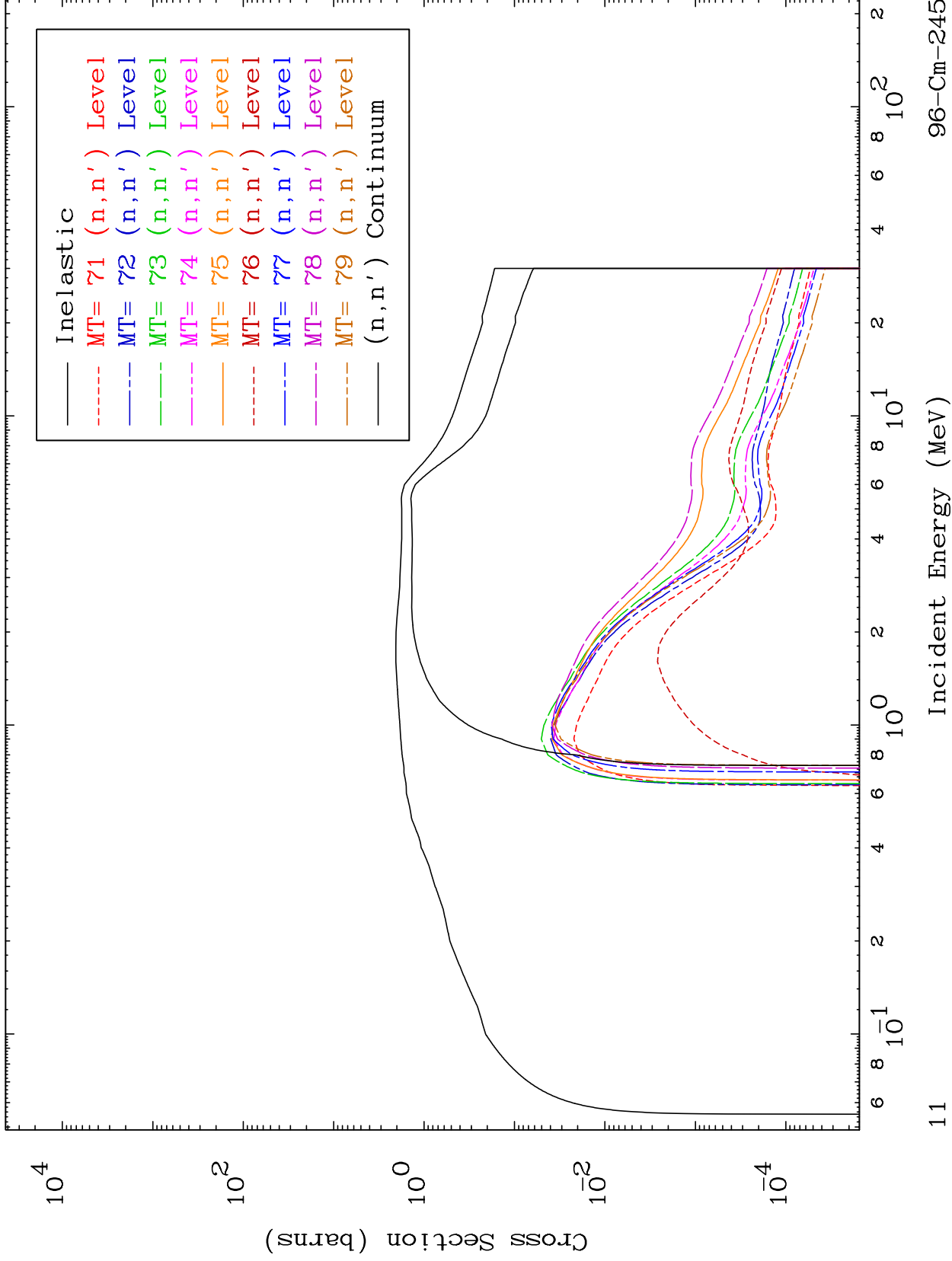
96-Cm-245

MAT 9640

(n,n') Levels

96-Cm-245

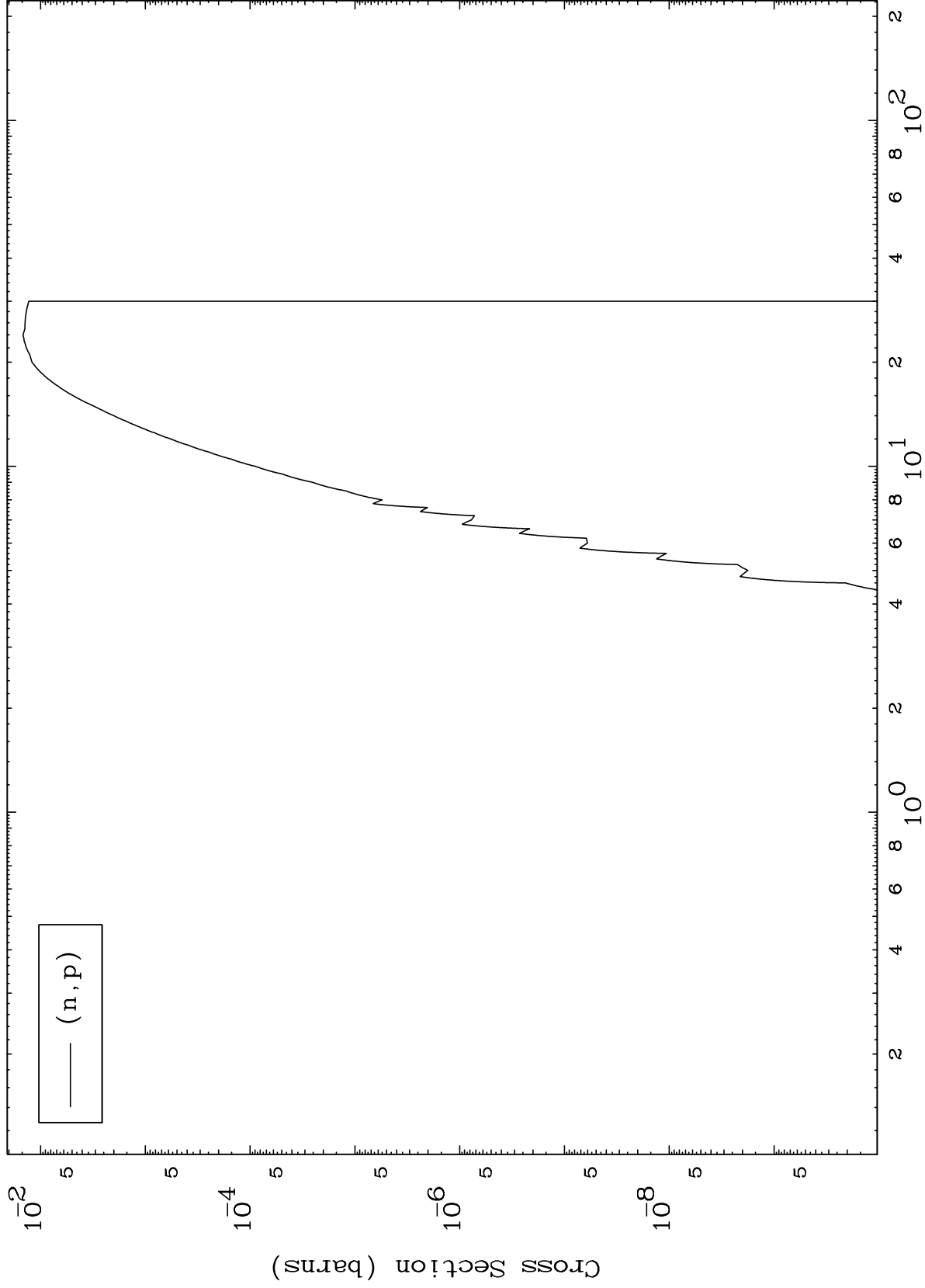
293 Kelvin Cross Sections



MAT 9640

(n,p) Levels
293 Kelvin Cross Sections

96-Cm-245



12

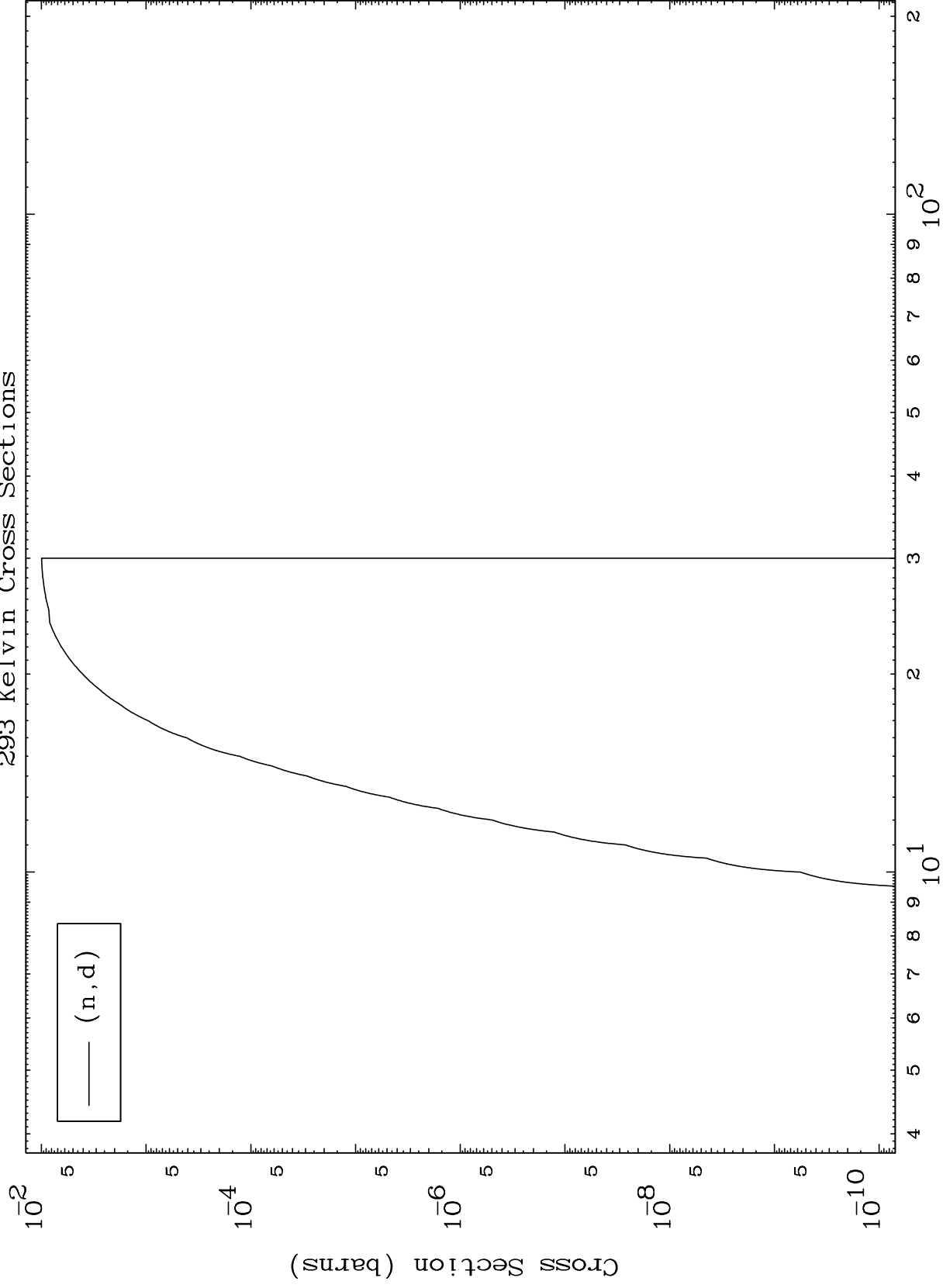
Incident Energy (MeV)

96-Cm-245

MAT 9640

(n,d) Levels
293 Kelvin Cross Sections

96-Cm-245



13

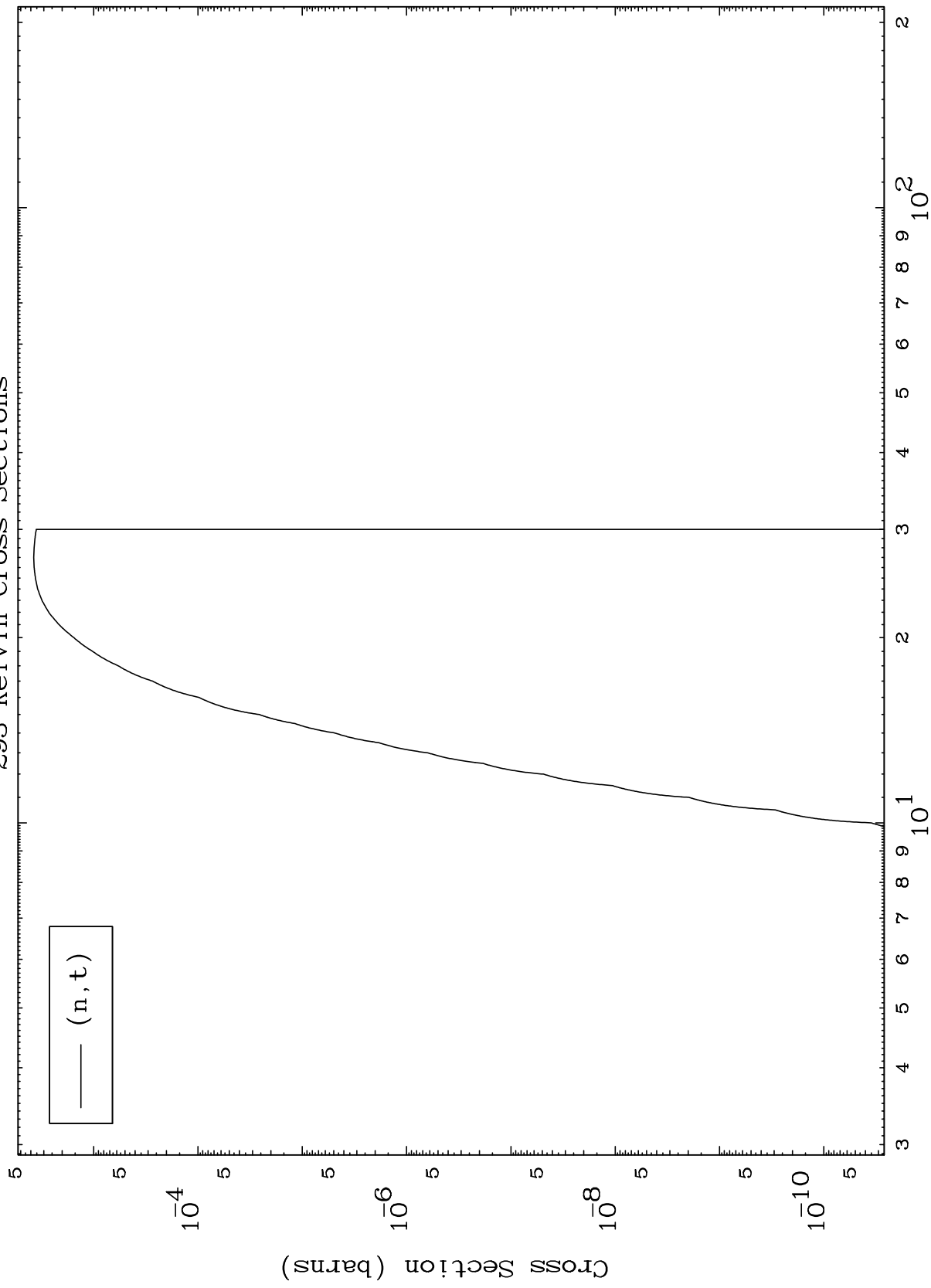
Incident Energy (MeV)

96-Cm-245

MAT 9640

96-Cm-245

(n,t) Levels
293 Kelvin Cross Sections



96-Cm-245

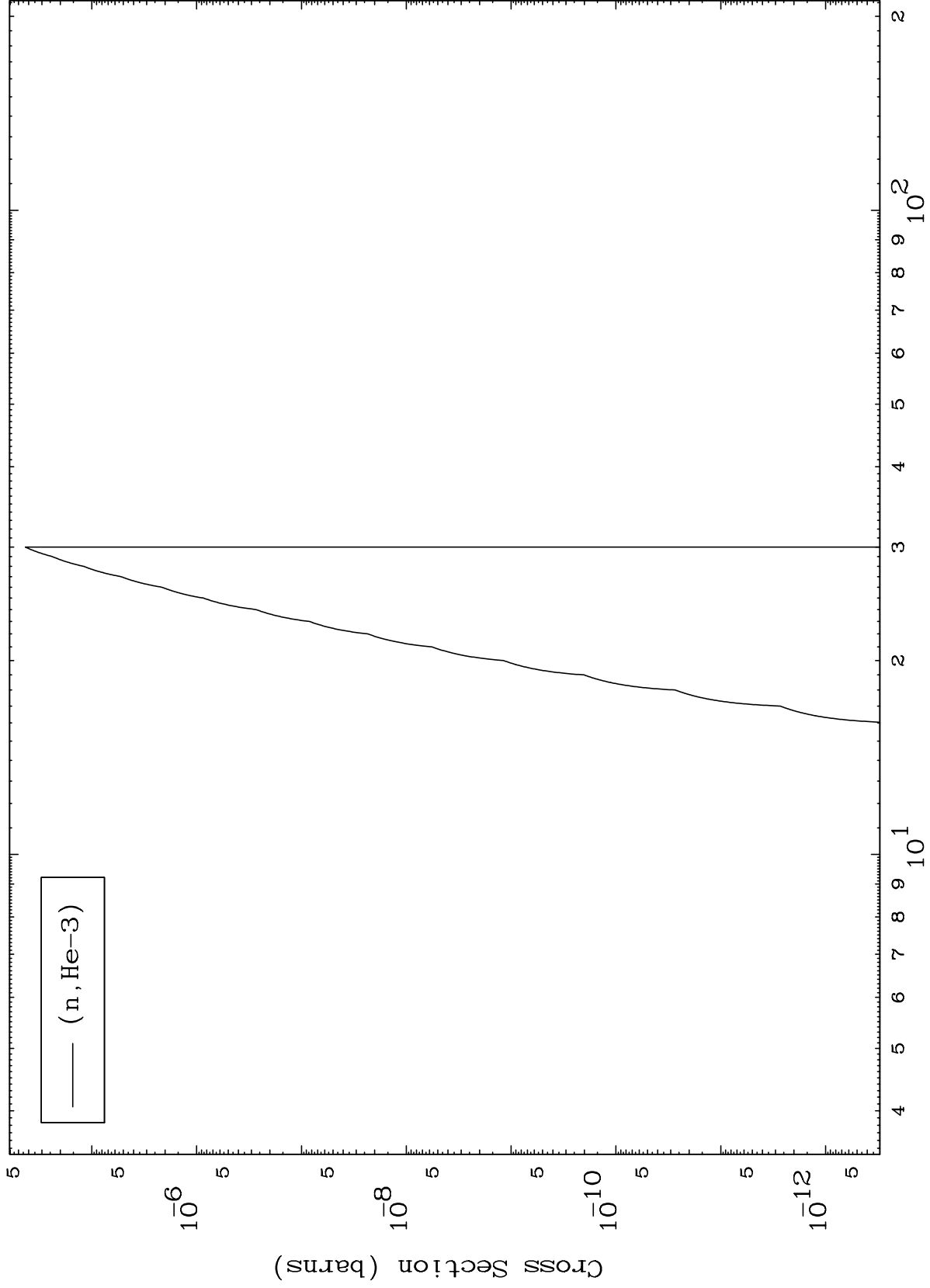
Incident Energy (MeV)

14

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(n,He3) Levels
293 Kelvin Cross Sections

96-Cm-245



15

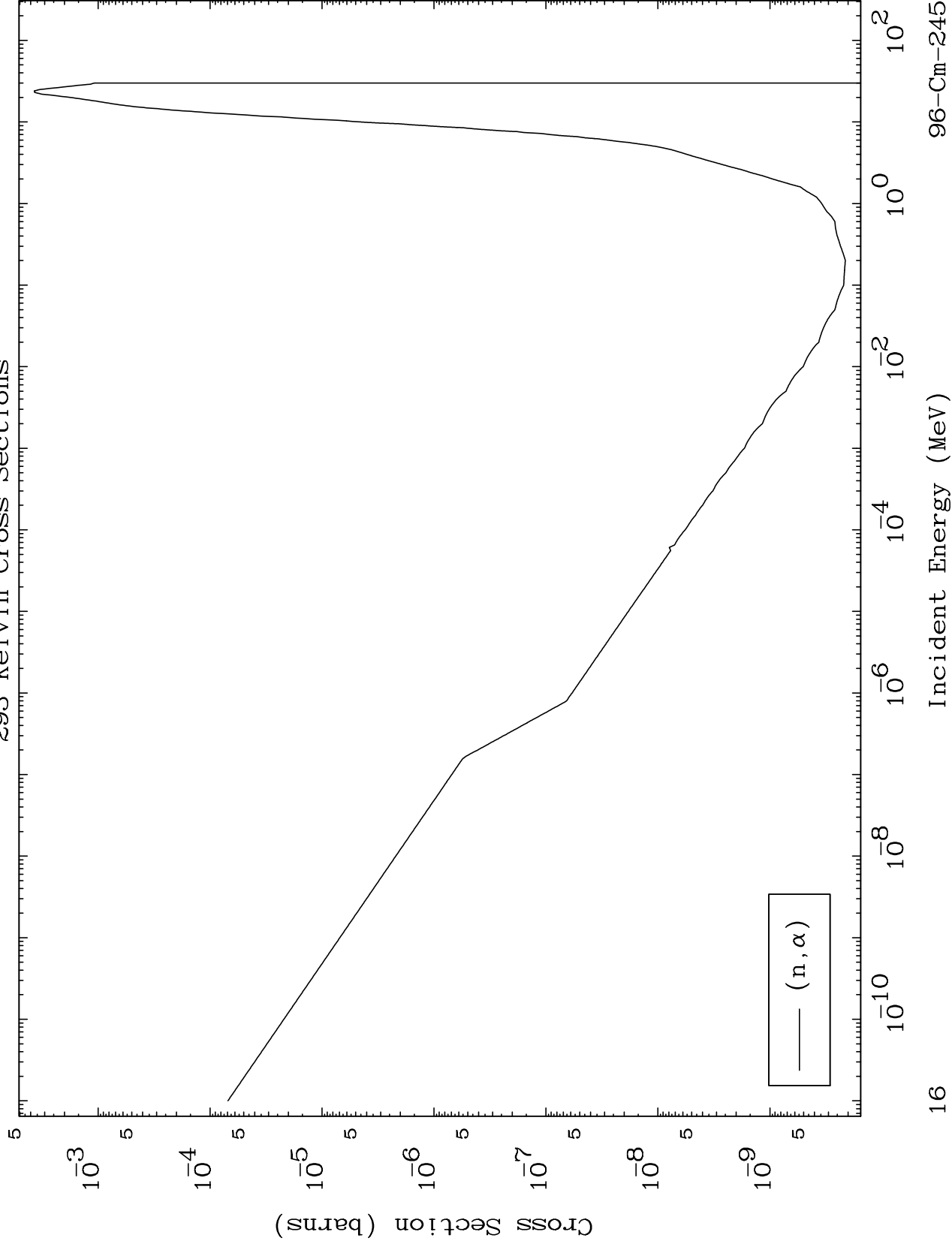
Incident Energy (MeV)

96-Cm-245

MAT 9640

(n, α) Levels
293 Kelvin Cross Sections

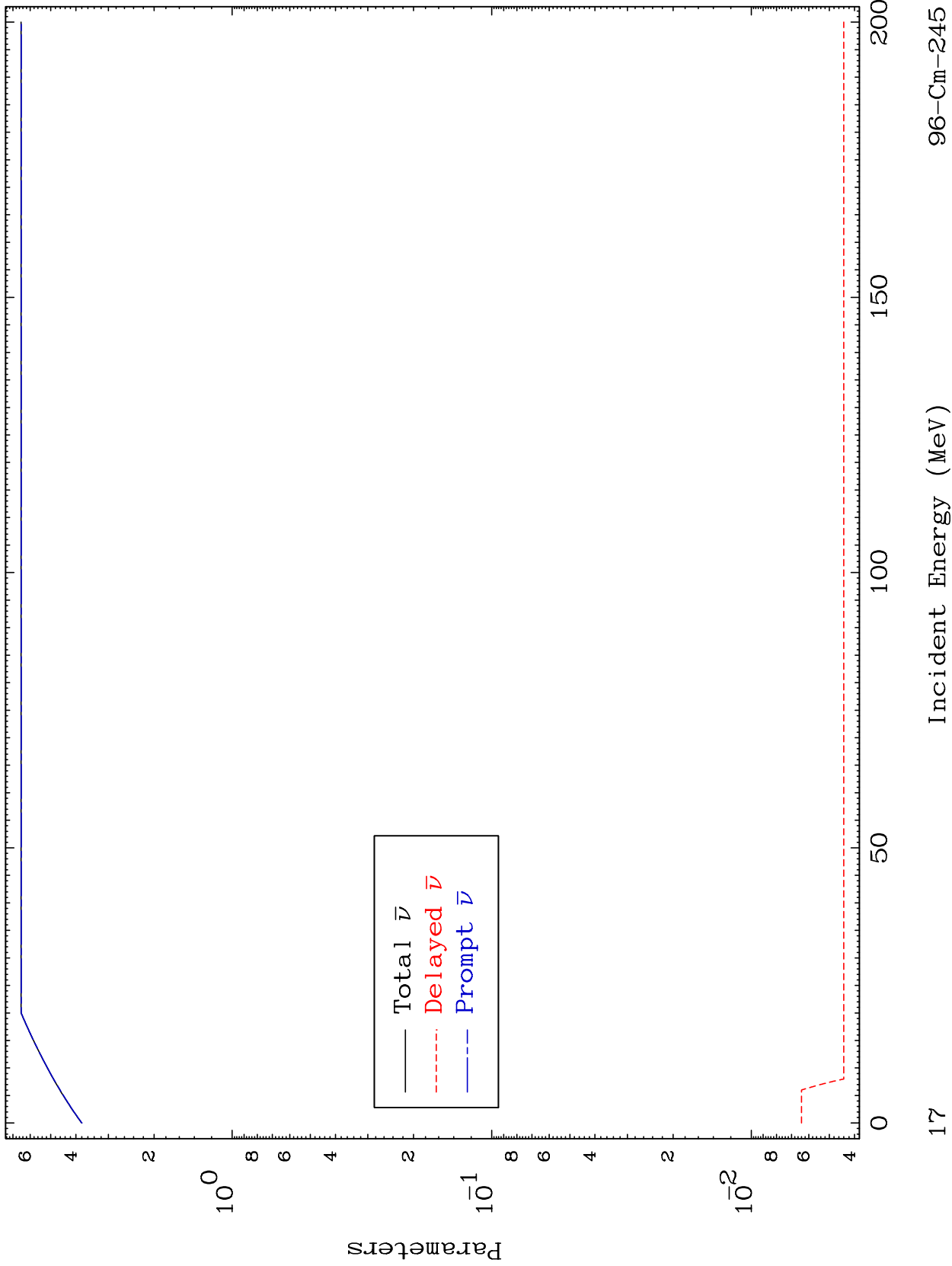
96-Cm-245



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Energy Release
Parameters

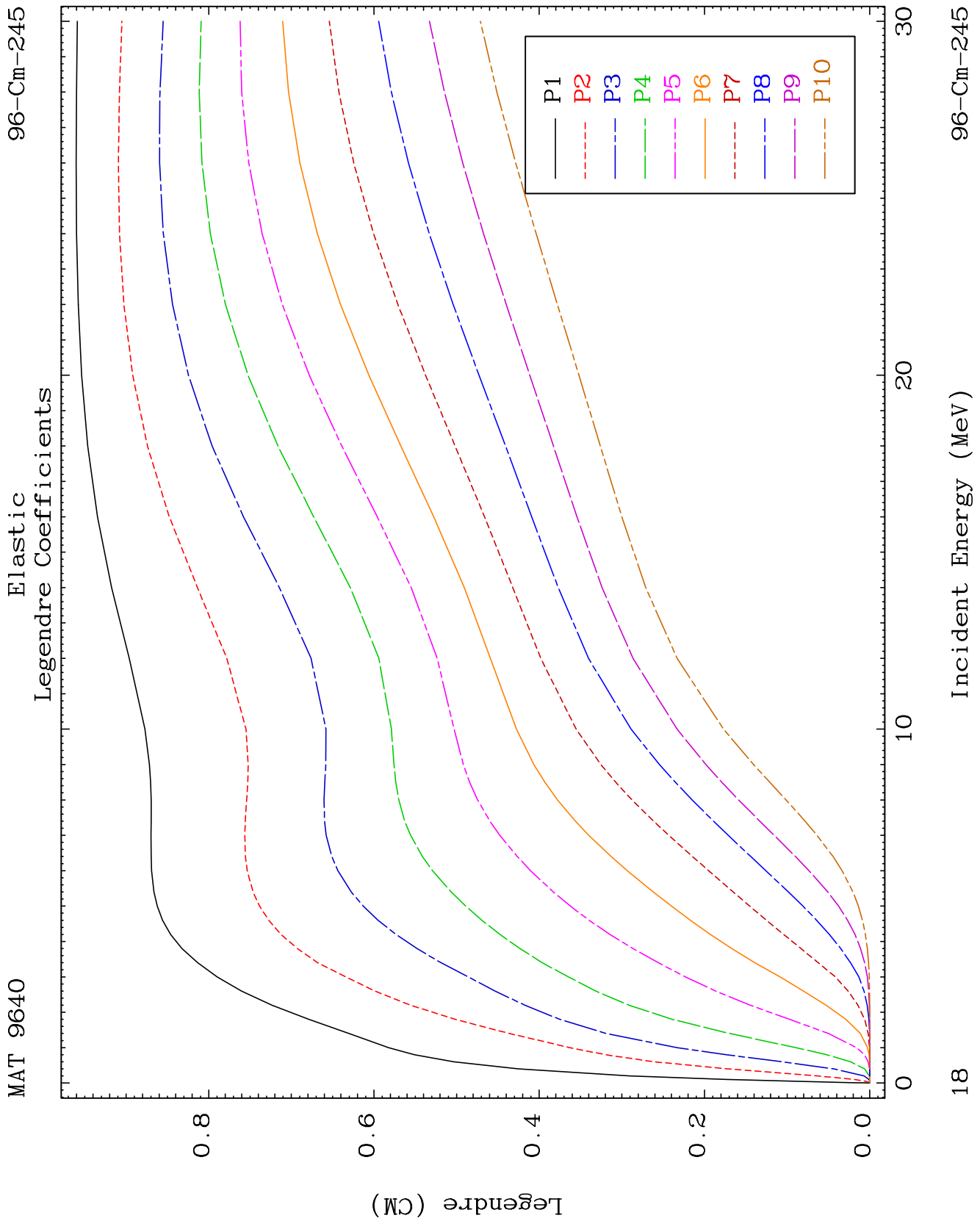
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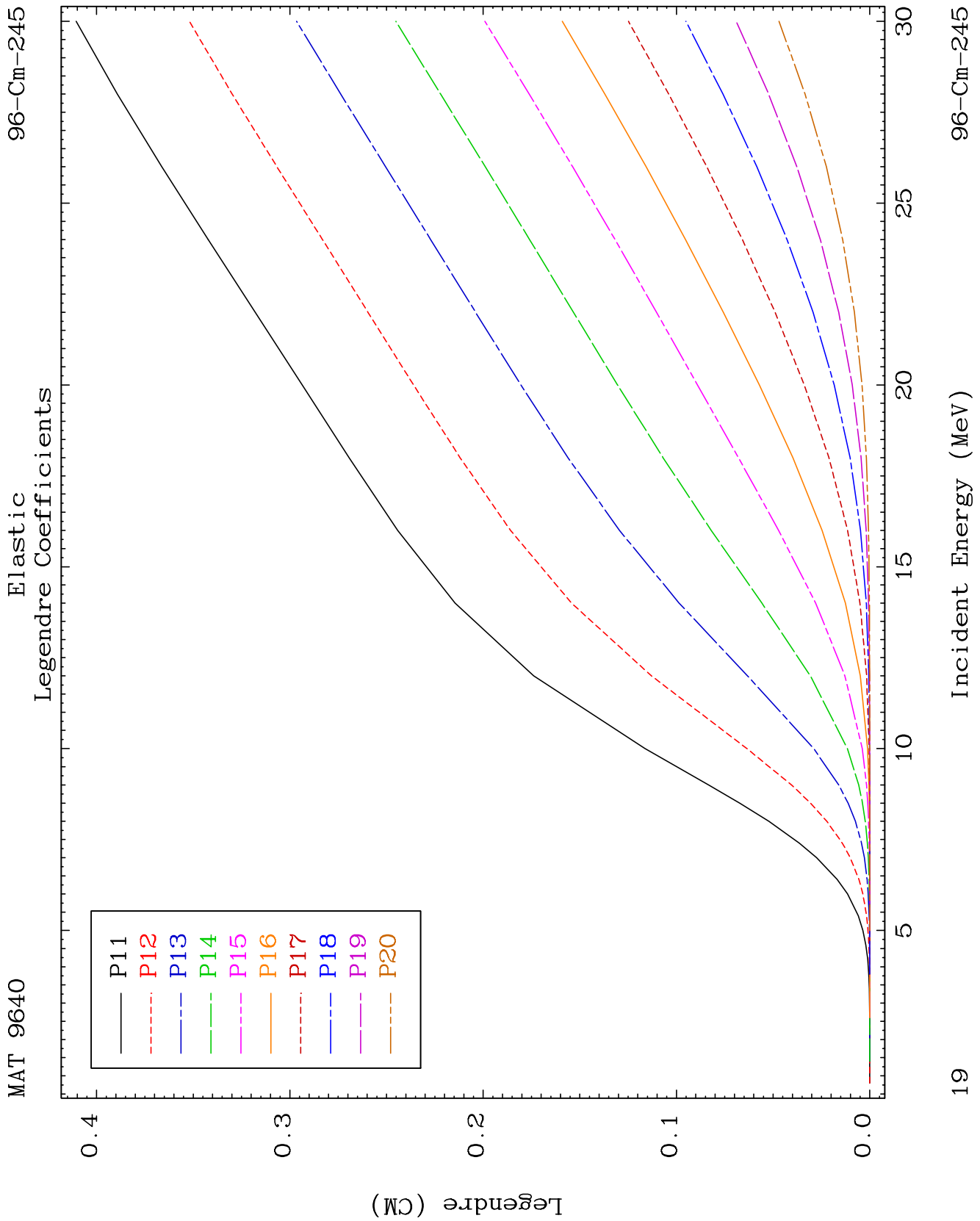


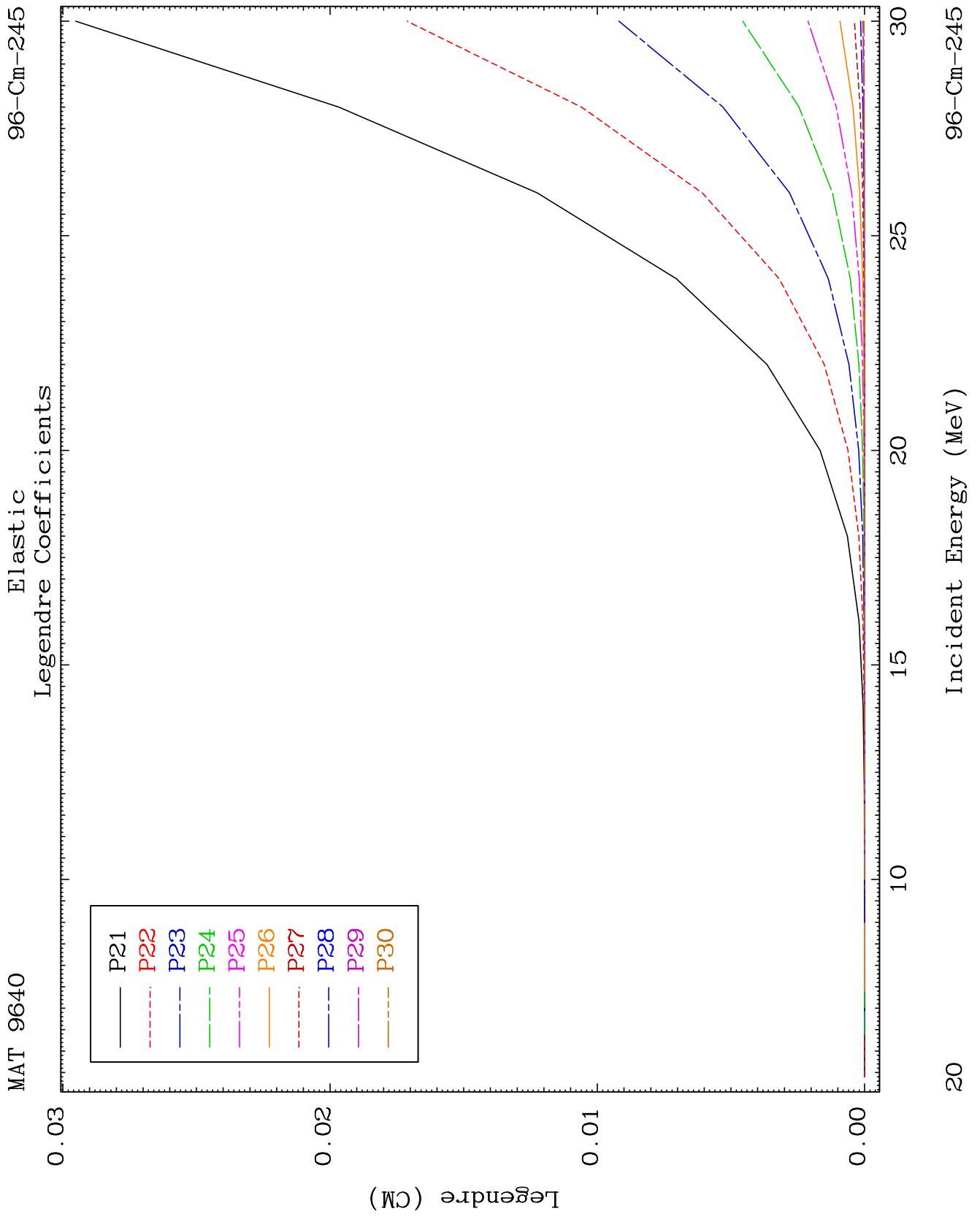
17

Incident Energy (MeV)

96-Cm-245



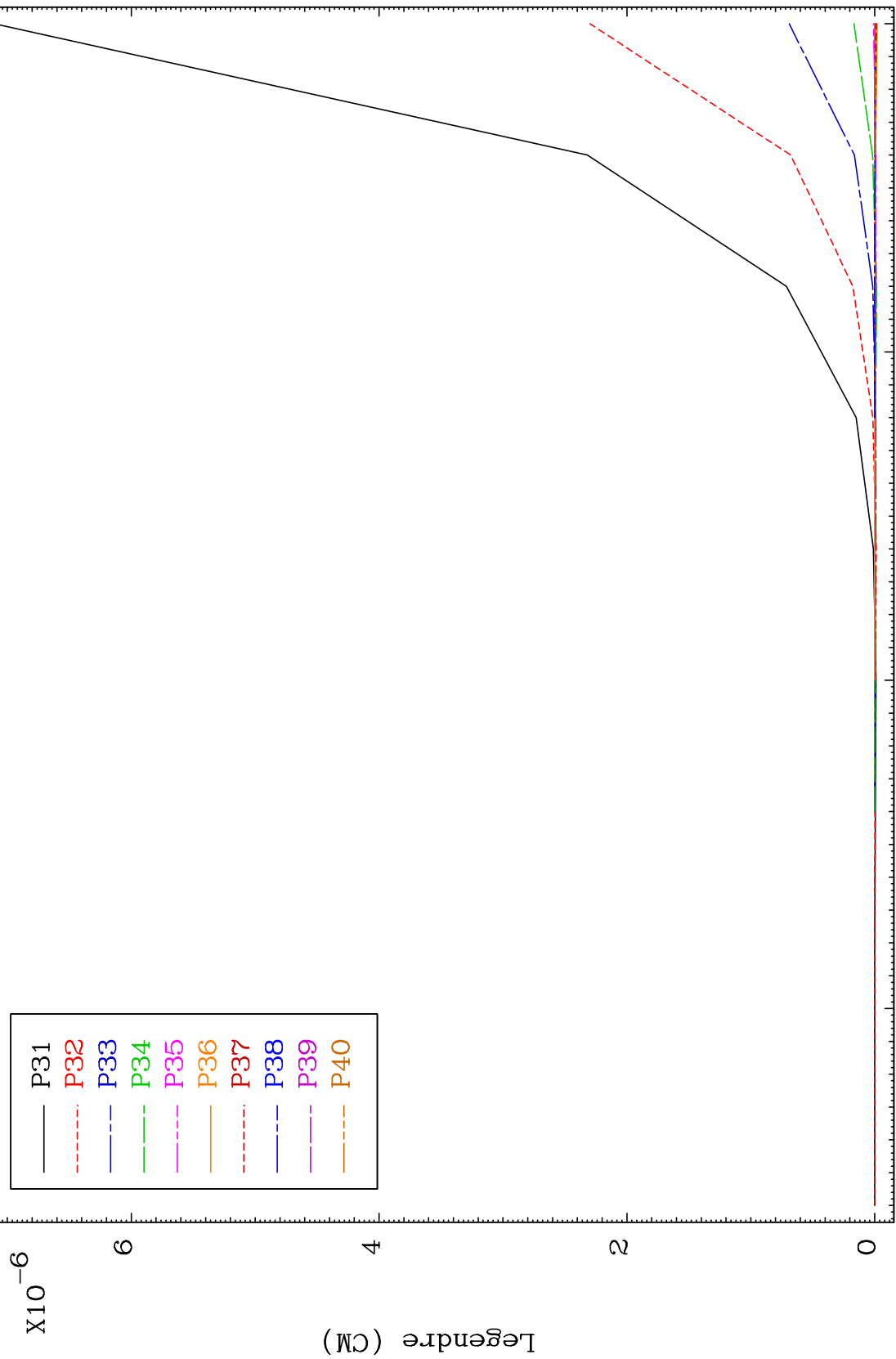
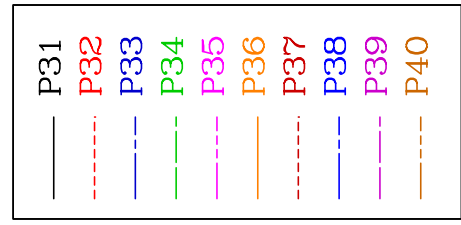




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Elastic Legendre Coefficients

96-Cm-245



21

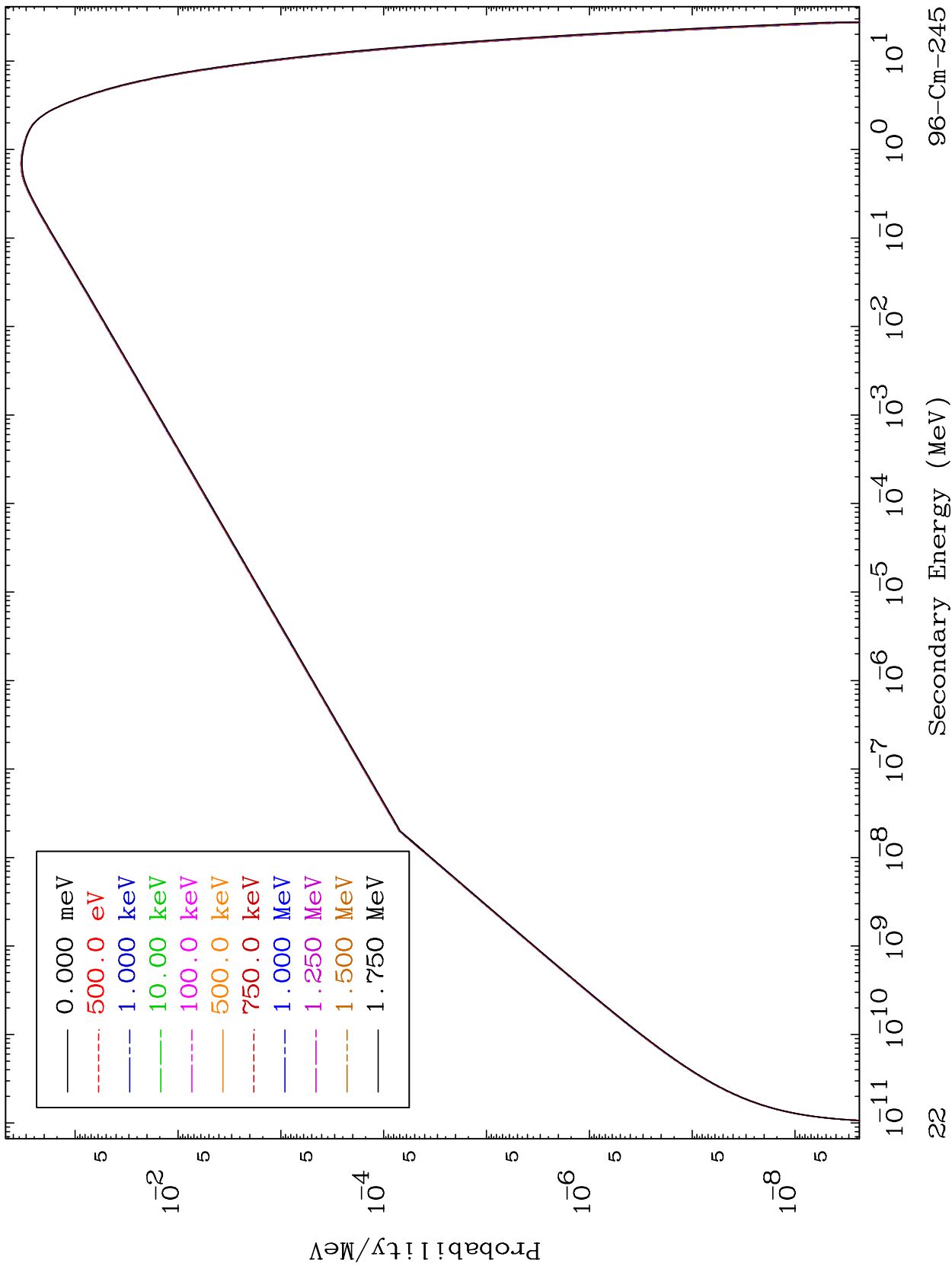
Incident Energy (MeV)

96-Cm-245

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Fission Energy Distributions

96-Cm-245



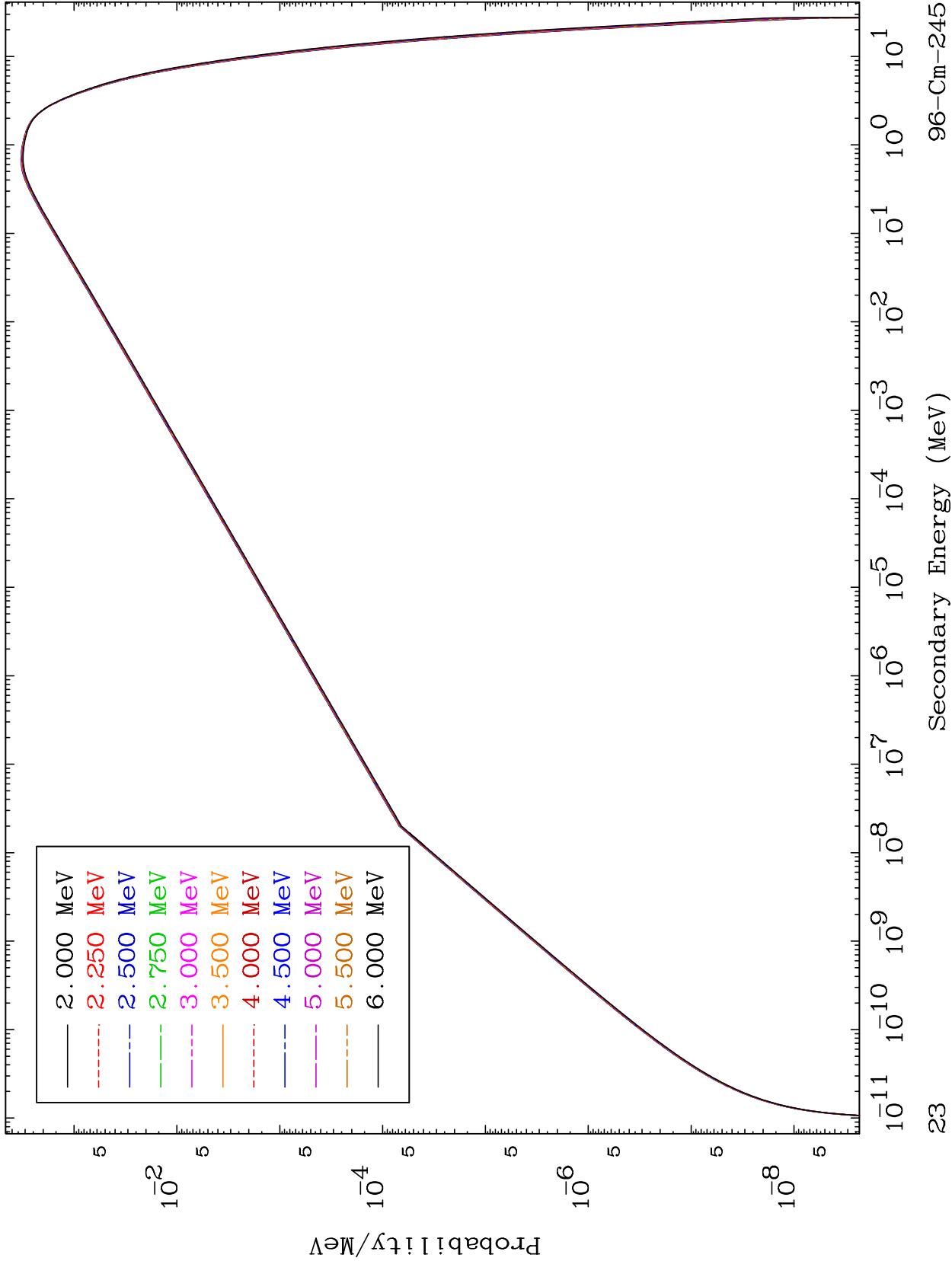
96-Cm-245

Secondary Energy (MeV)

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Fission Energy Distributions

96-Cm-245



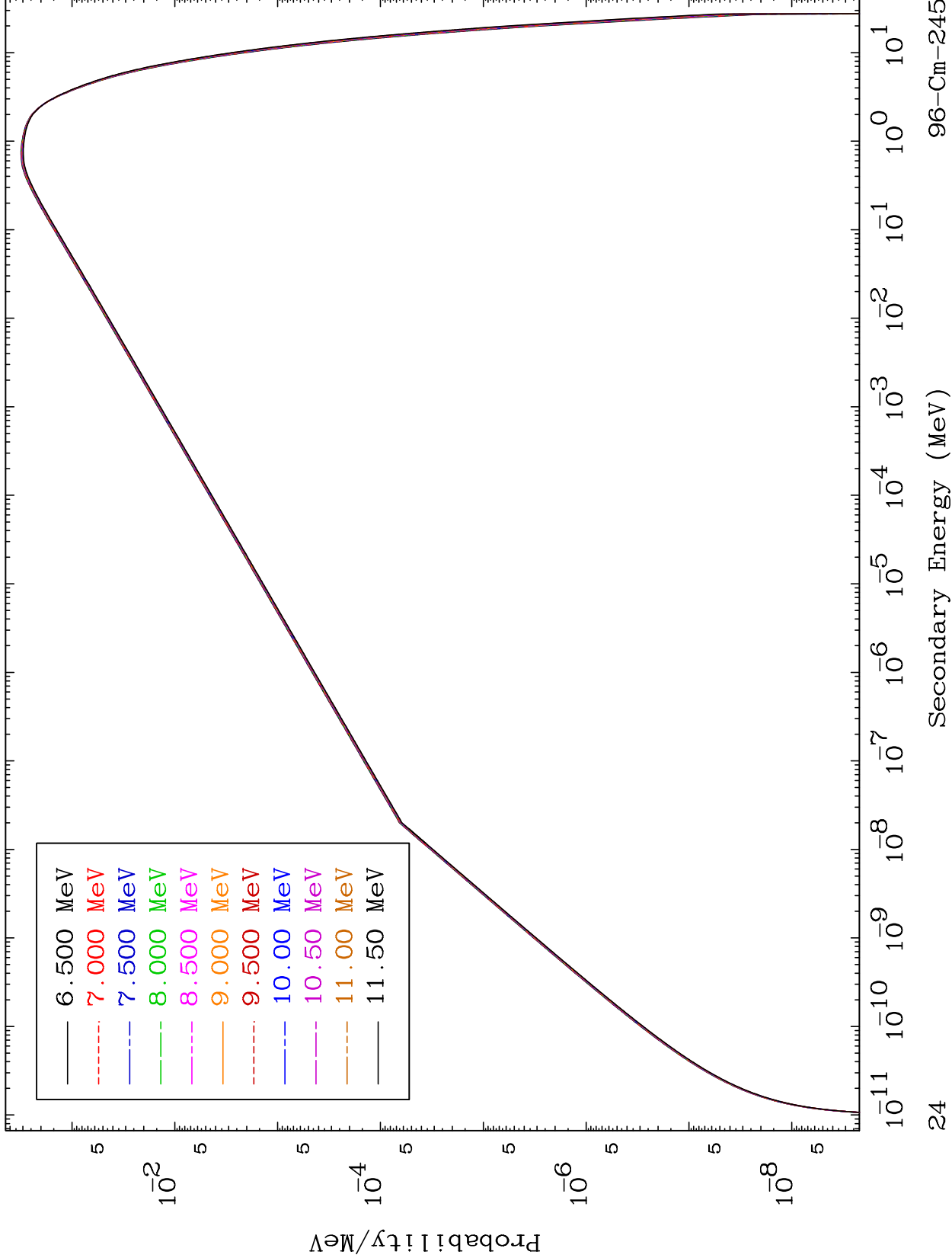
96-Cm-245

Secondary Energy (MeV)

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Fission Energy Distributions

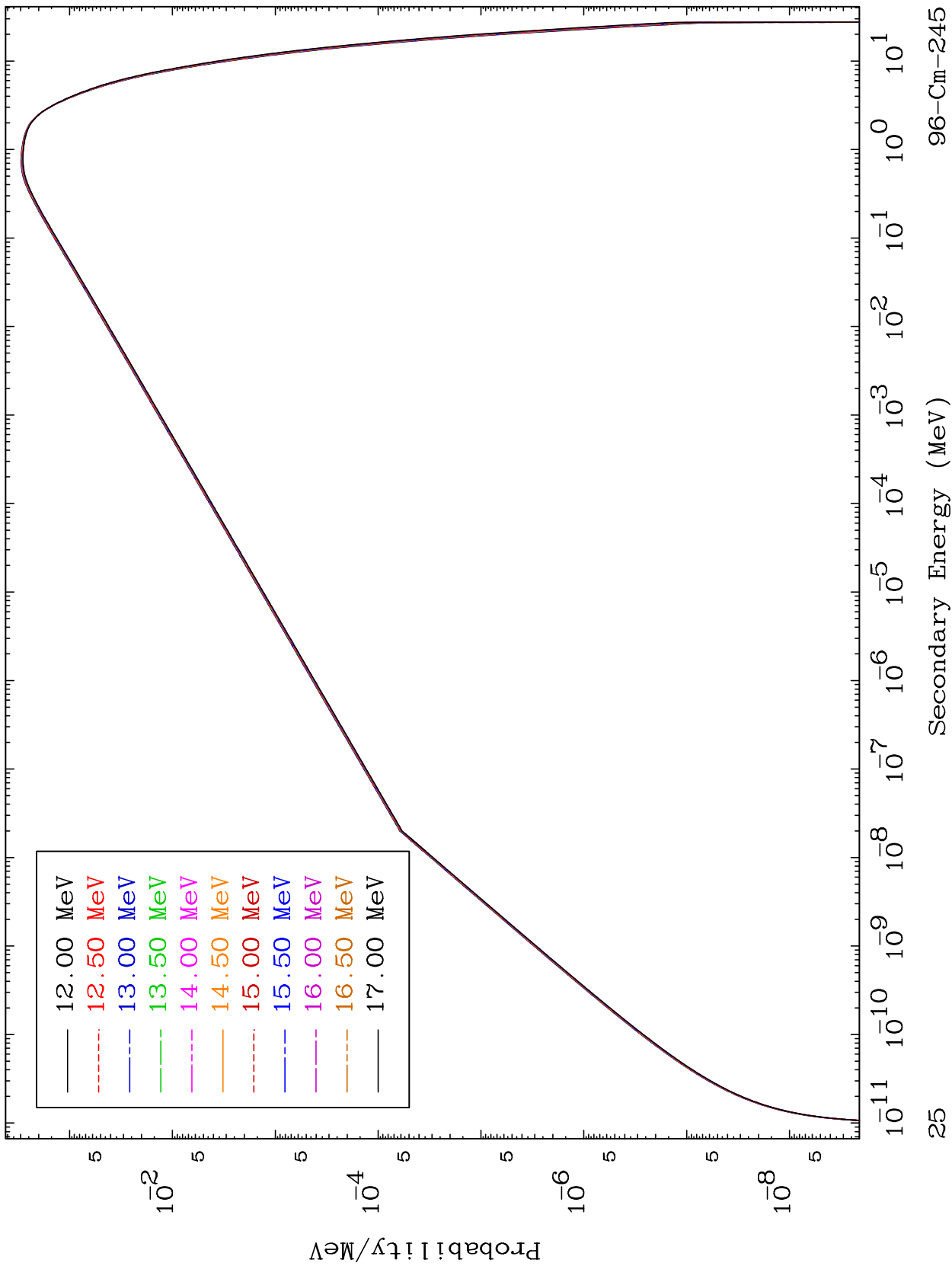
96-Cm-245



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Fission Energy Distributions

96-Cm-245



96-Cm-245

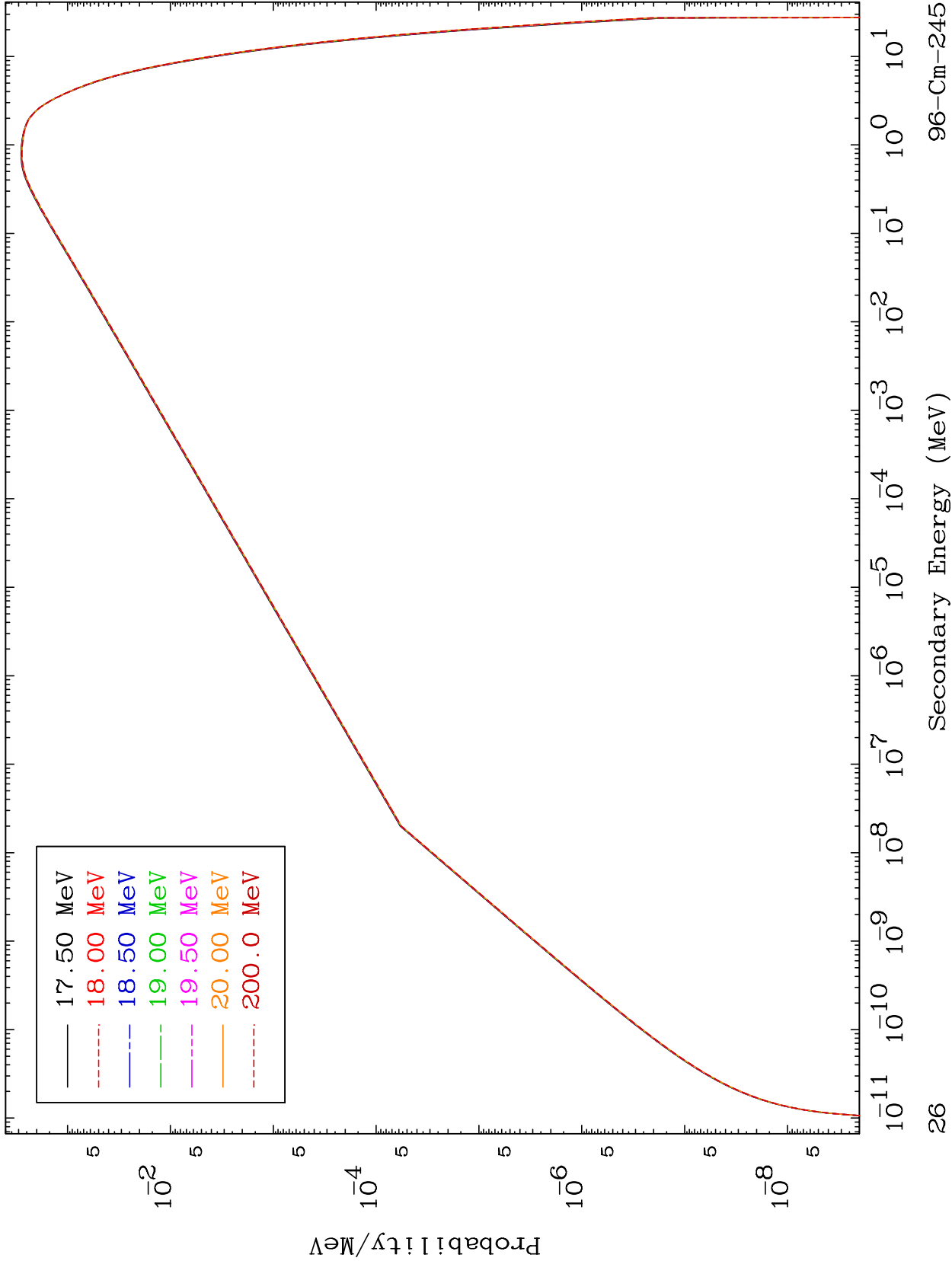
Secondary Energy (MeV)

25

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Fission Energy Distributions

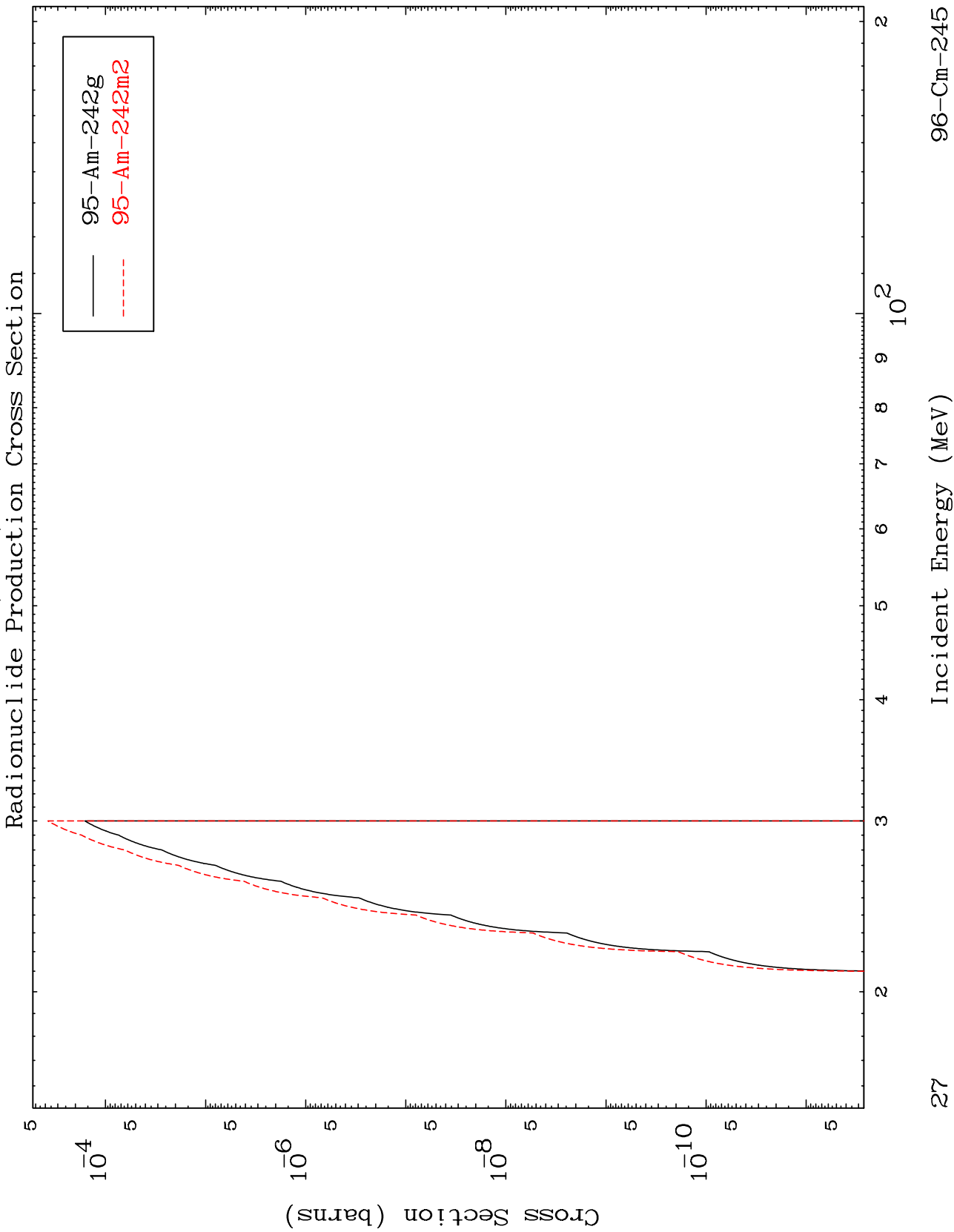
96-Cm-245



MAT 9640

(n,2n) d

96-Cm-245



27

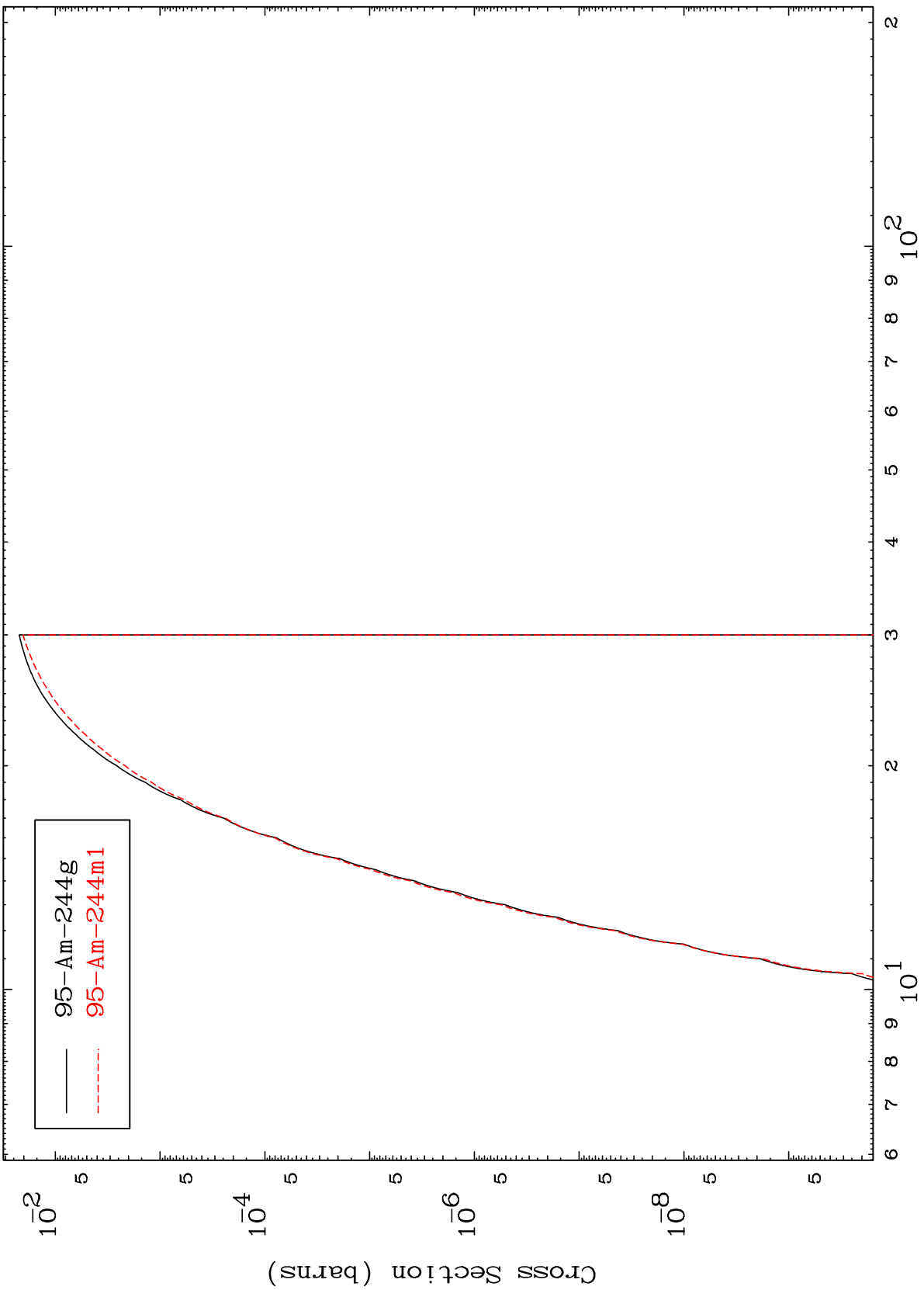
96-Cm-245

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(n,n') p

96-Cm-245

Radionuclide Production Cross Section



95-Am-244g
95-Am-244m1

28

Incident Energy (MeV)

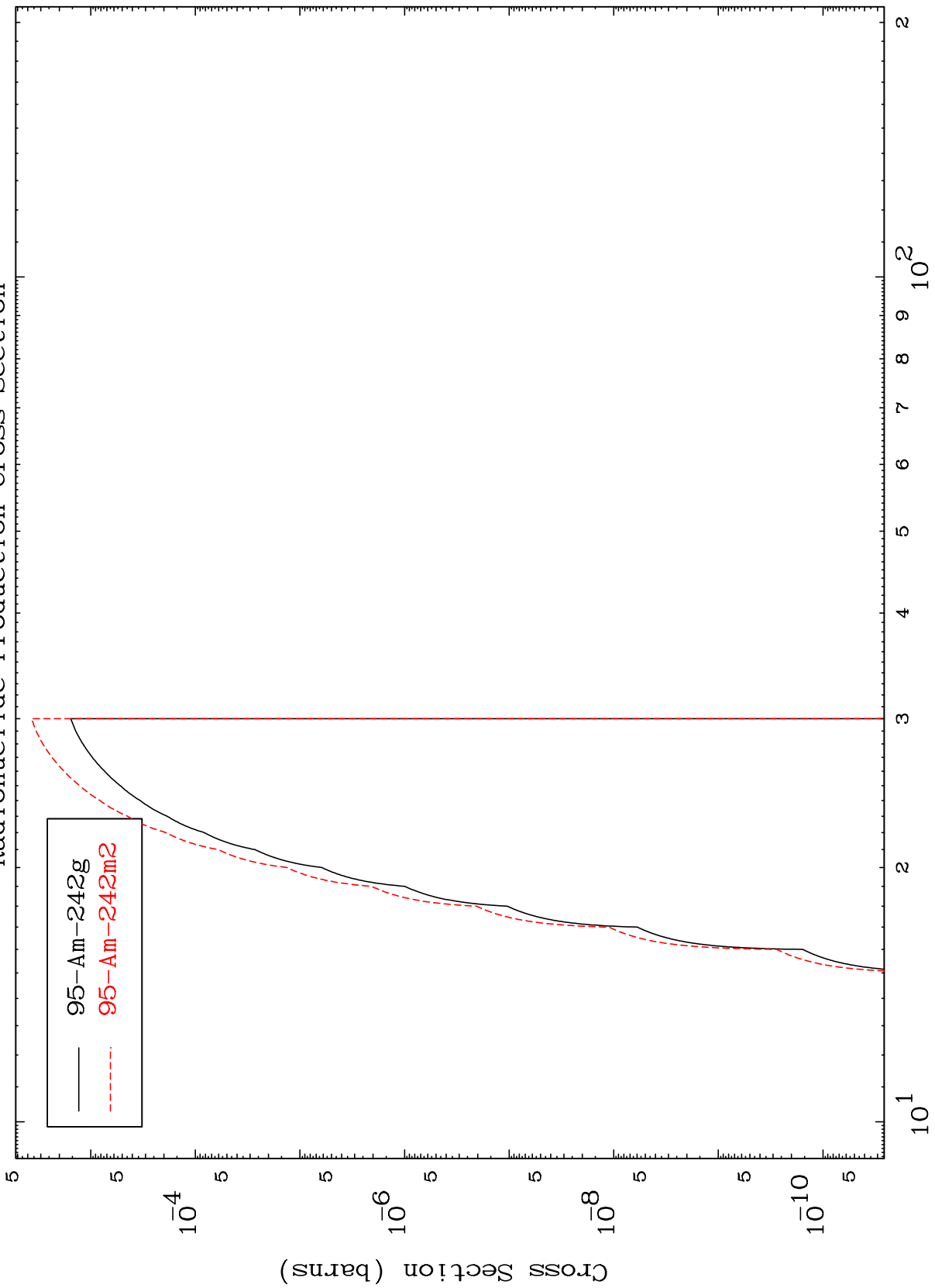
96-Cm-245

MAT 9640

(n,n') t

96-Cm-245

Radionuclide Production Cross Section



29

Incident Energy (MeV)

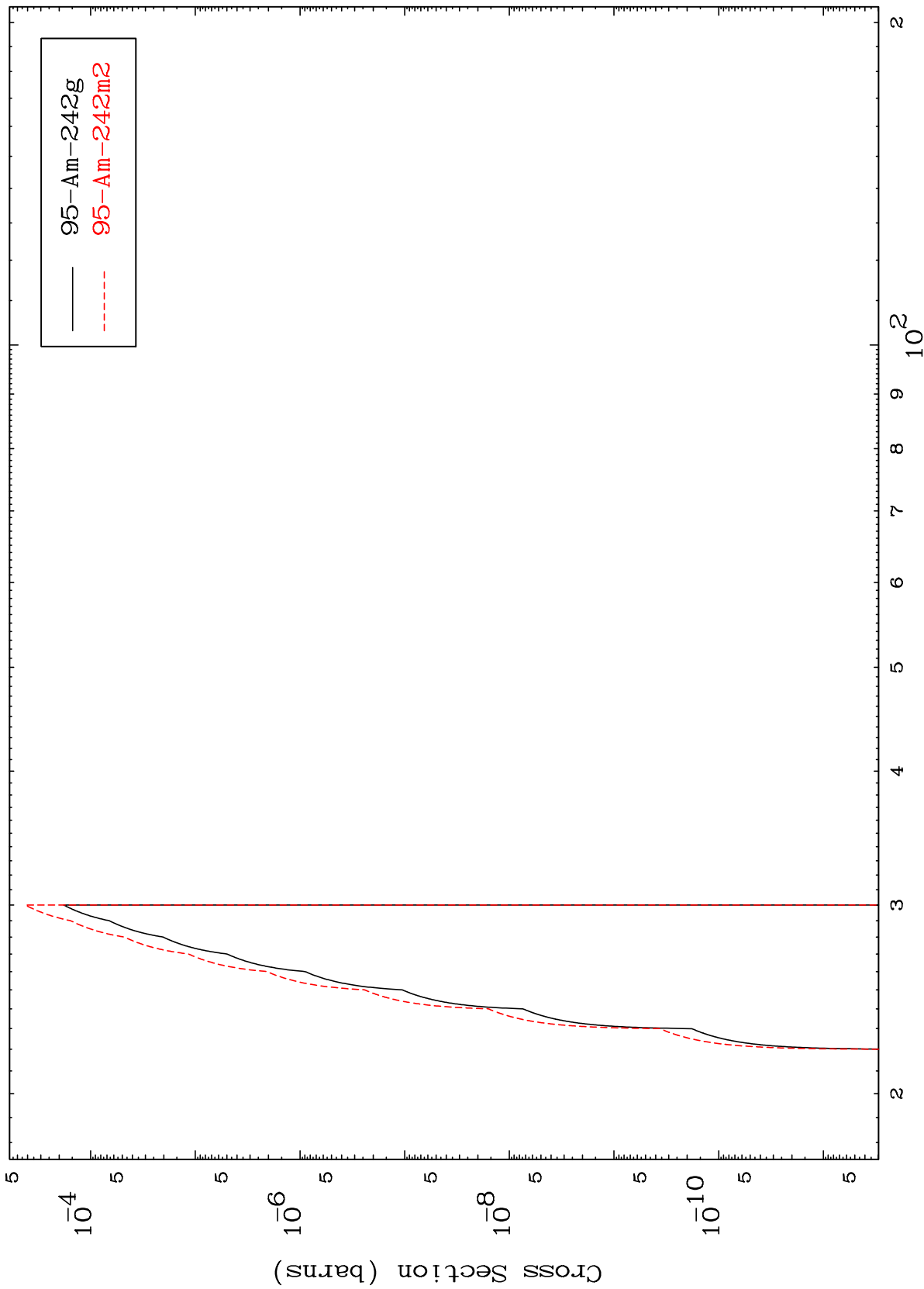
96-Cm-245

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(n,3n) p

96-Cm-245

Radionuclide Production Cross Section



30

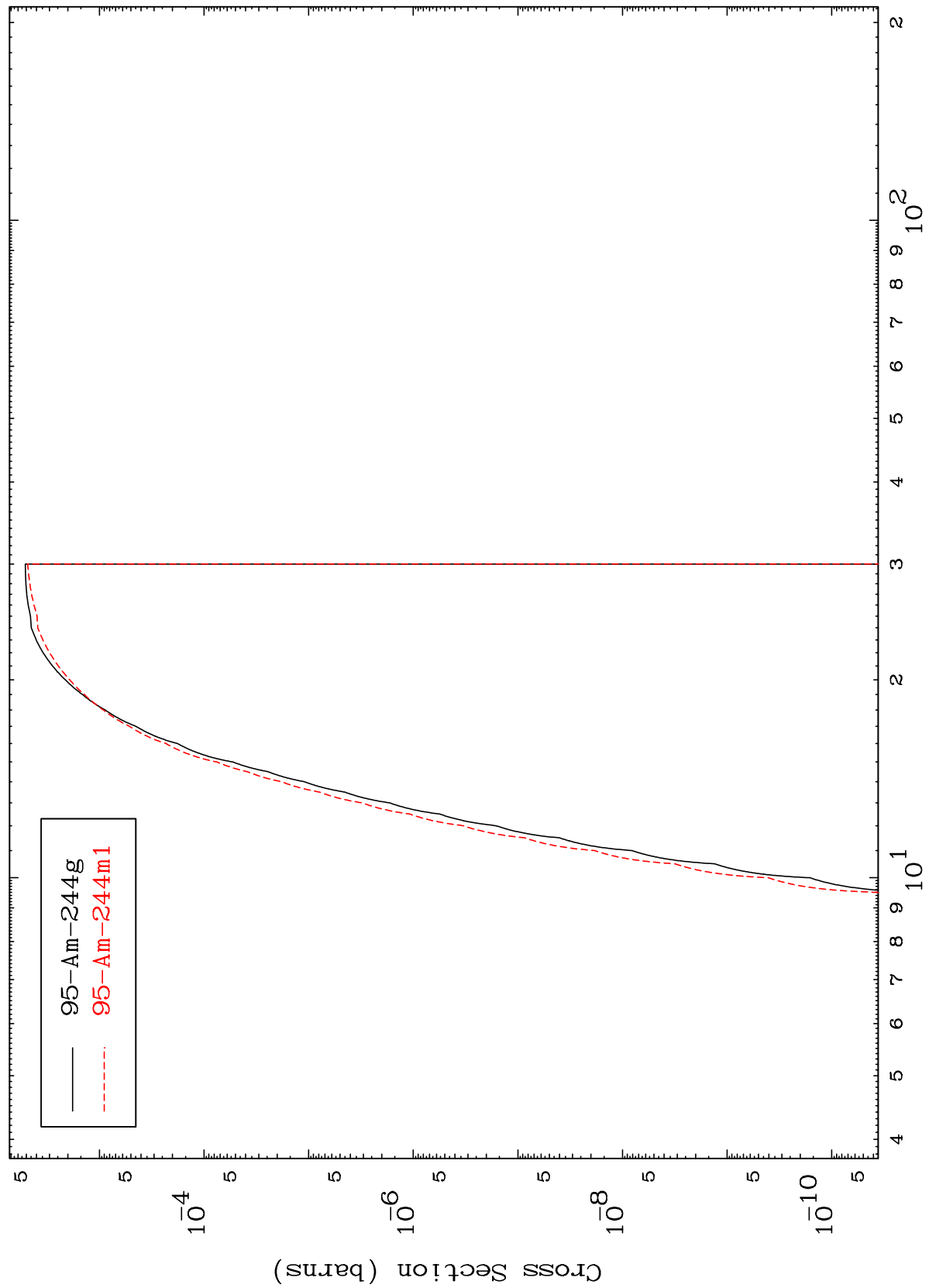
Incident Energy (MeV)

96-Cm-245

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96-Cm-245

(n,d)
Radionuclide Production Cross Section



96-Cm-245

Incident Energy (MeV)

31