

Program EVALPLOT
(Version 2018-1)

by

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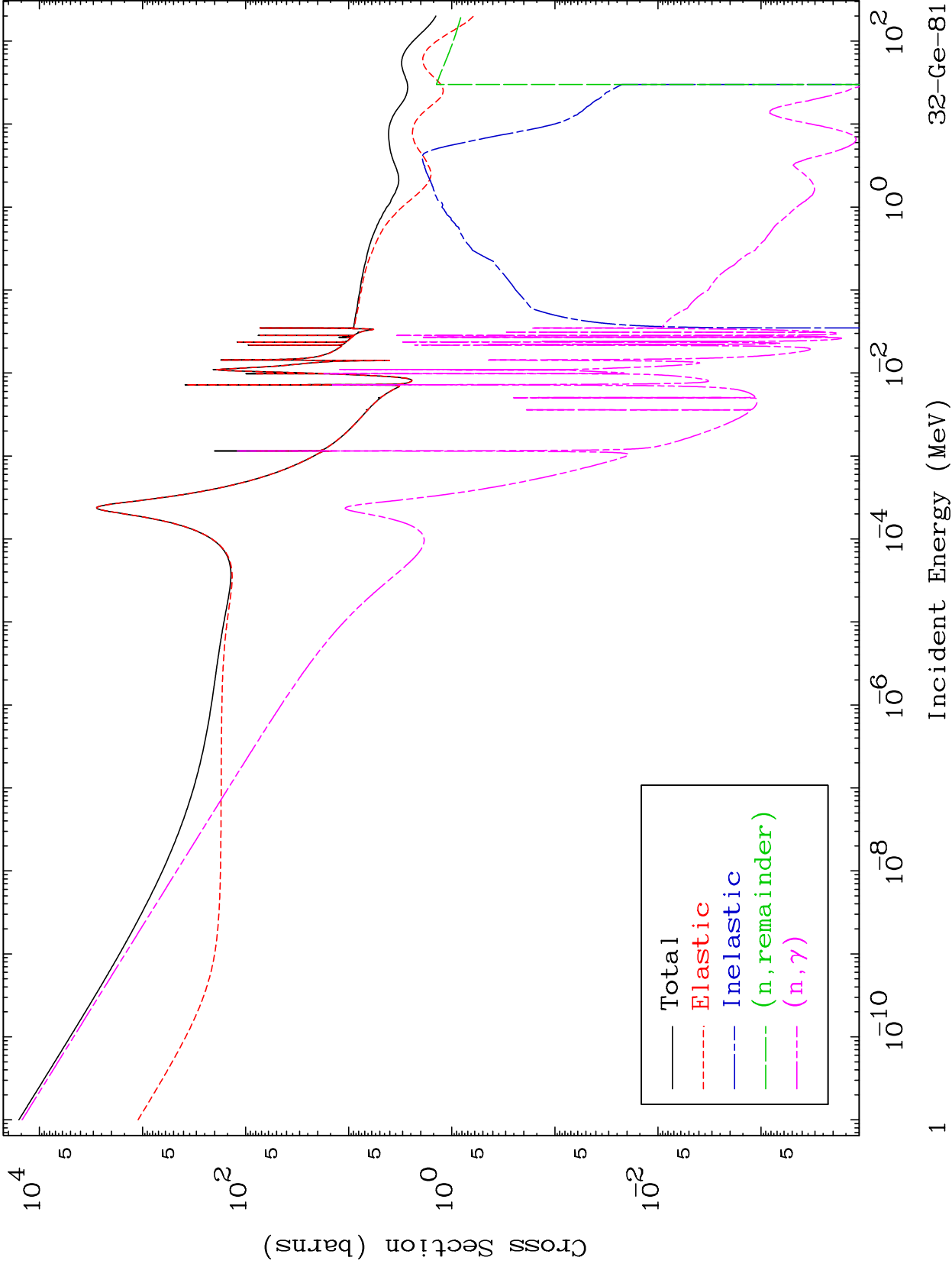
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3259

Major
293 Kelvin Cross Sections

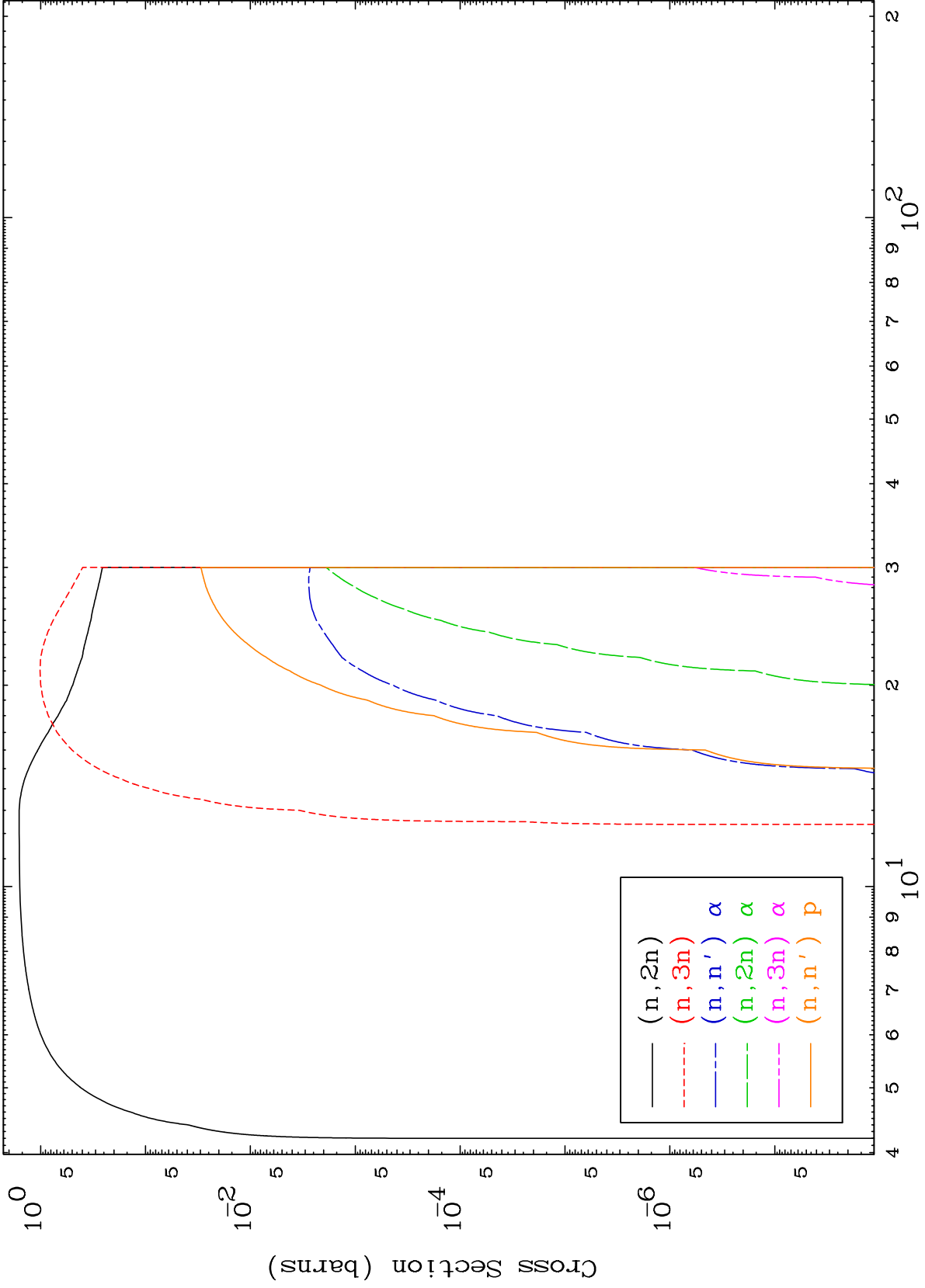
32-Ge-81

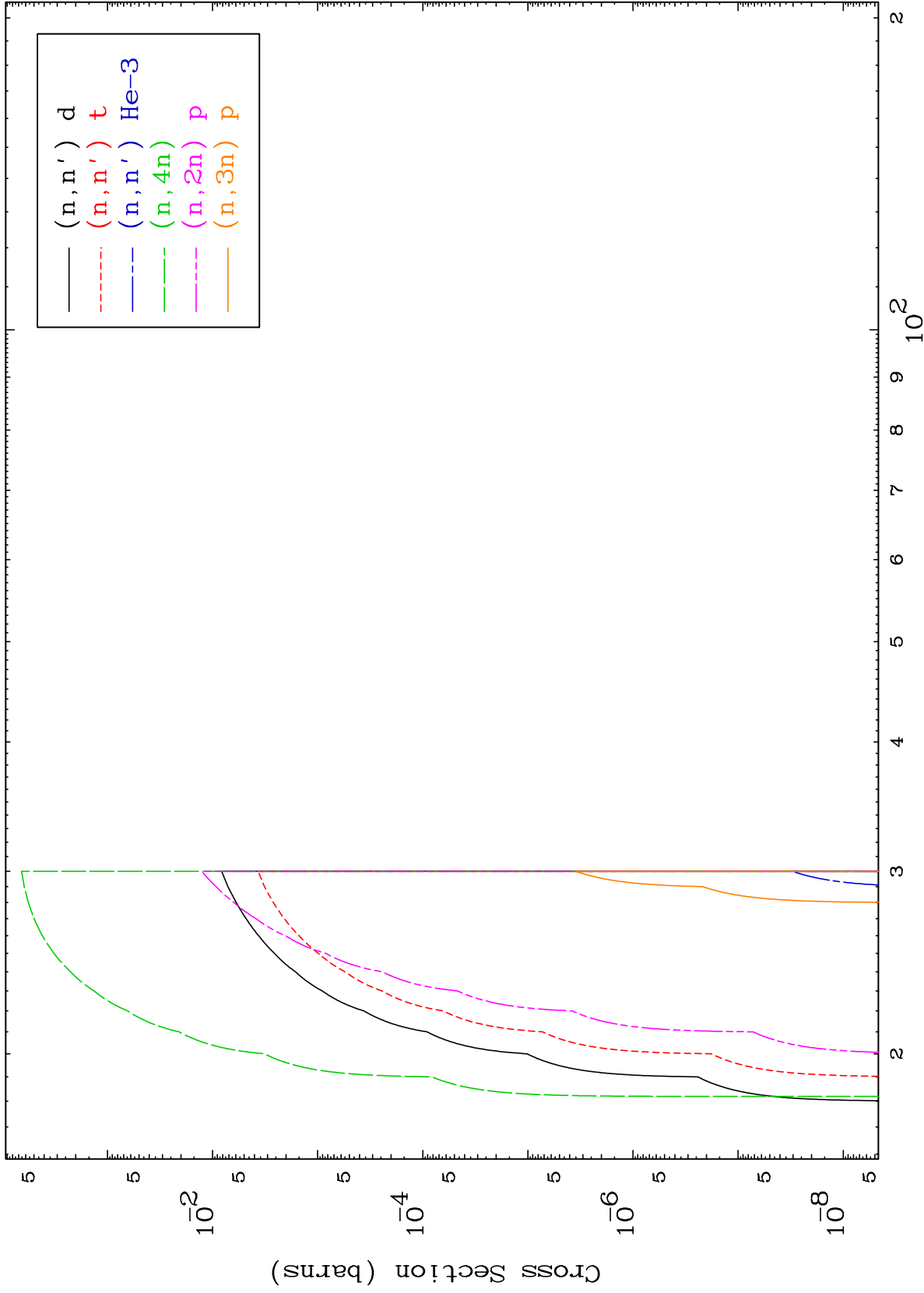


MAT 3259

Neutron Production
293 Kelvin Cross Sections

32-Ge-81

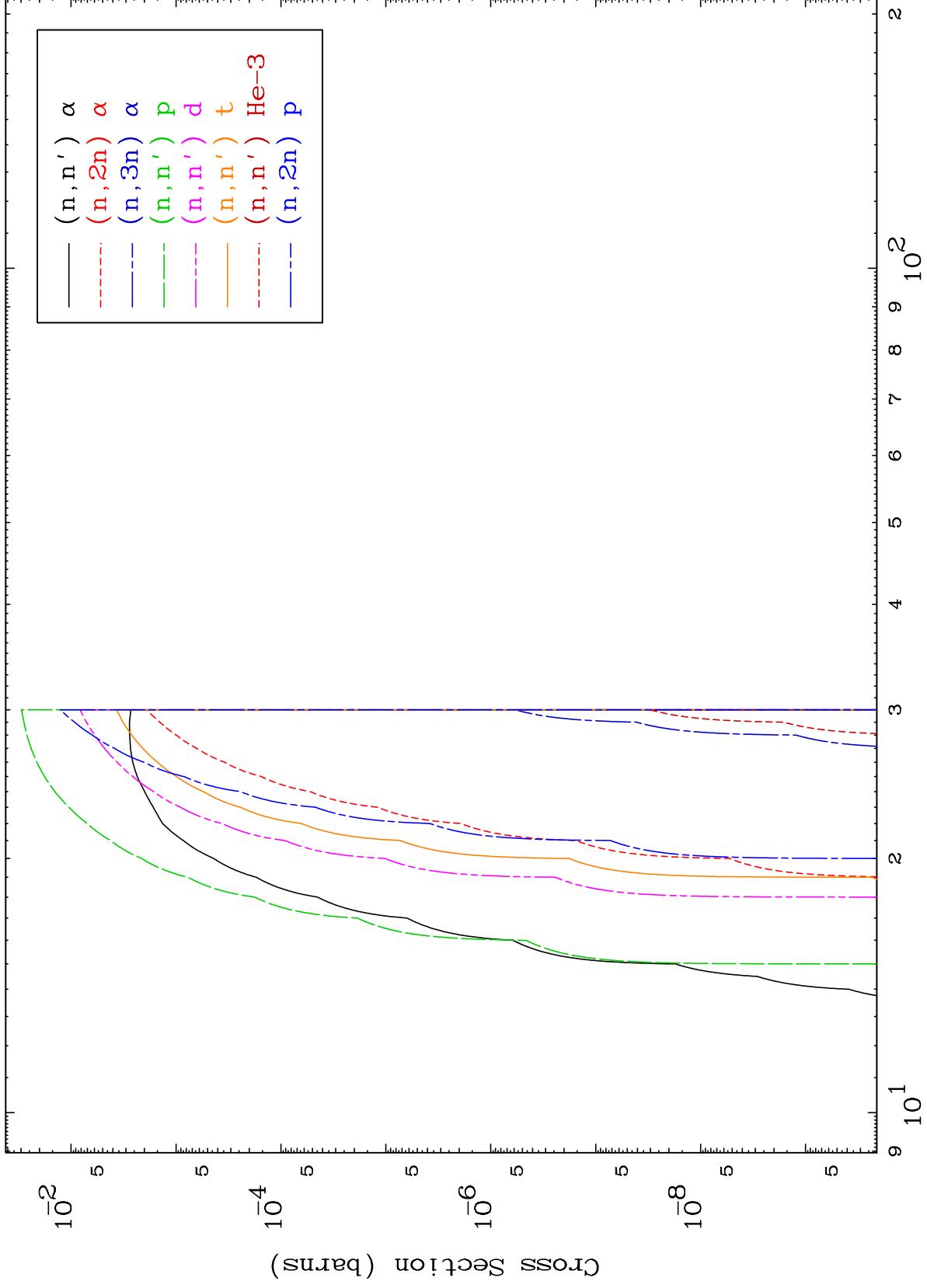




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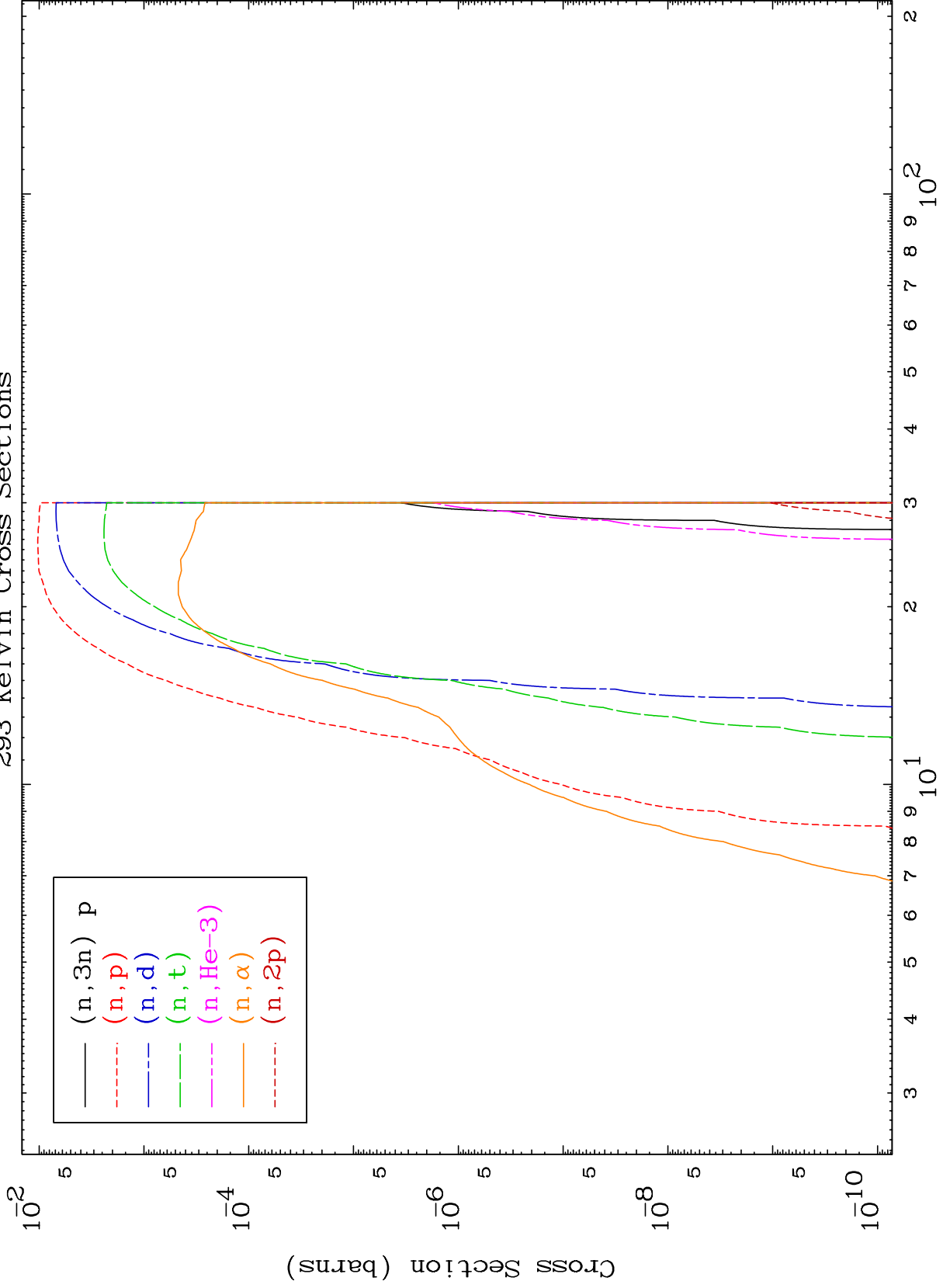
Charged Particle
293 Kelvin Cross Sections

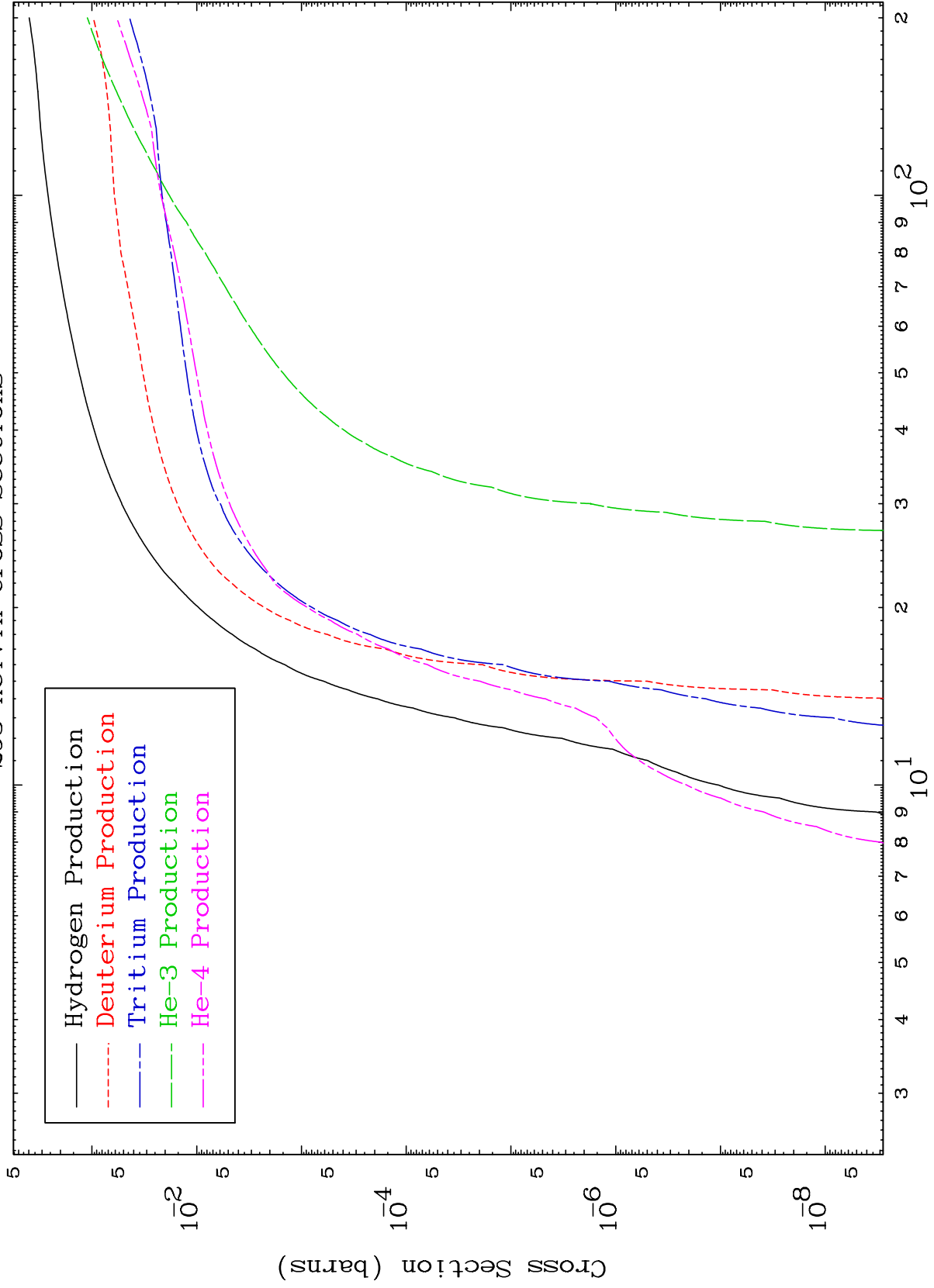
32-Ge-81



Incident Energy (MeV)

32-Ge-81



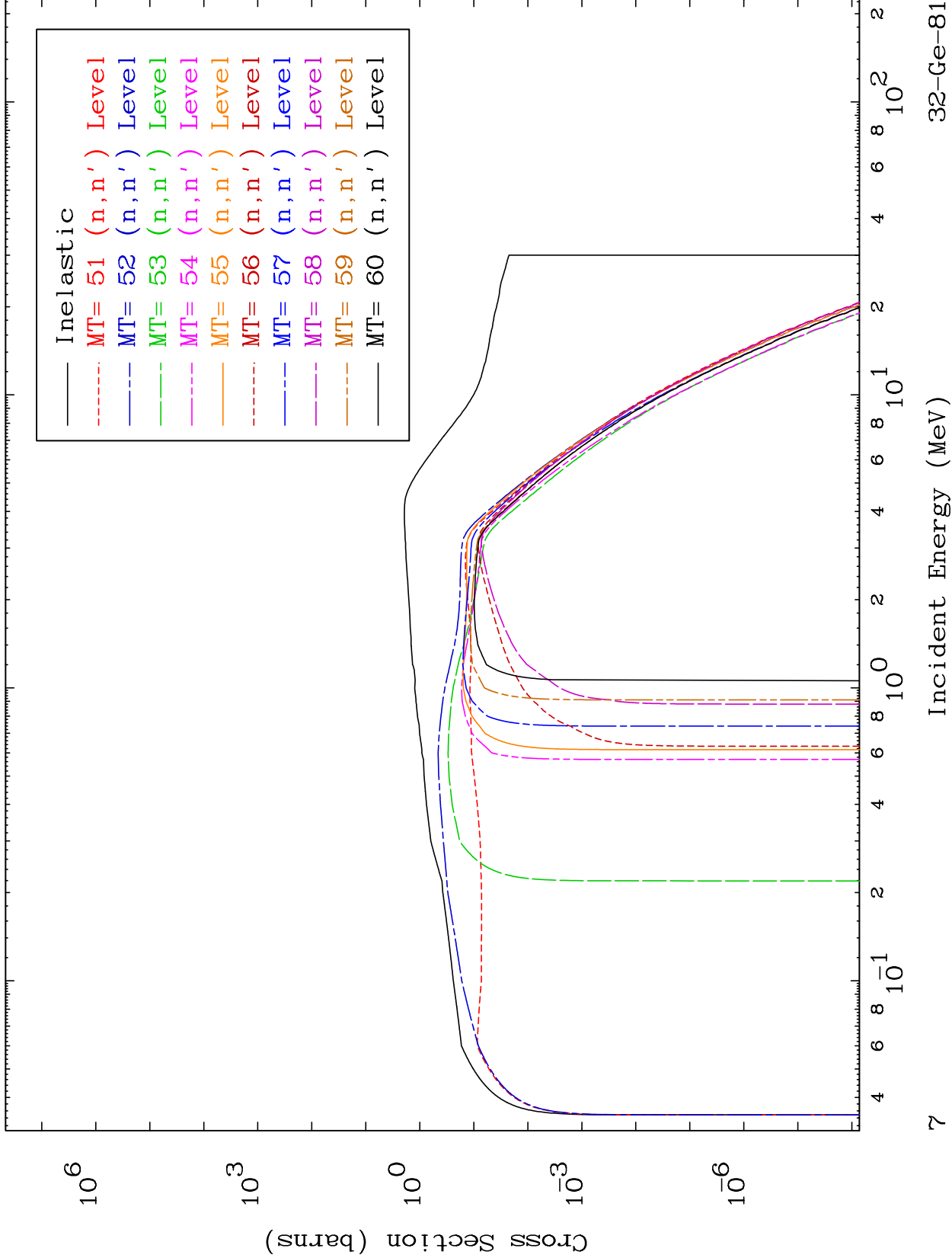


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(n,n') Level

32-Ge-81

293 Kelvin Cross Sections

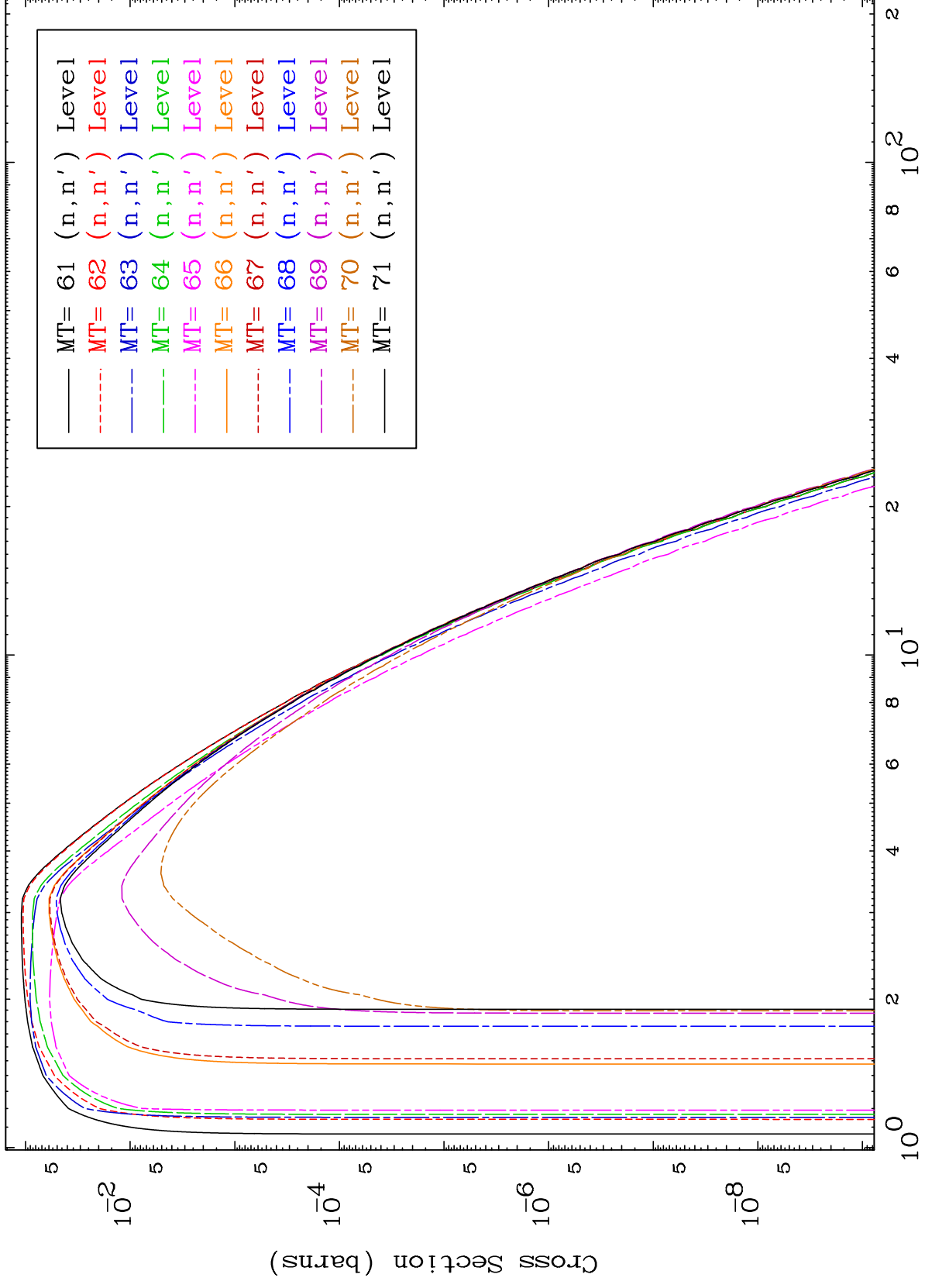


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(n,n') Level

32-Ge-81

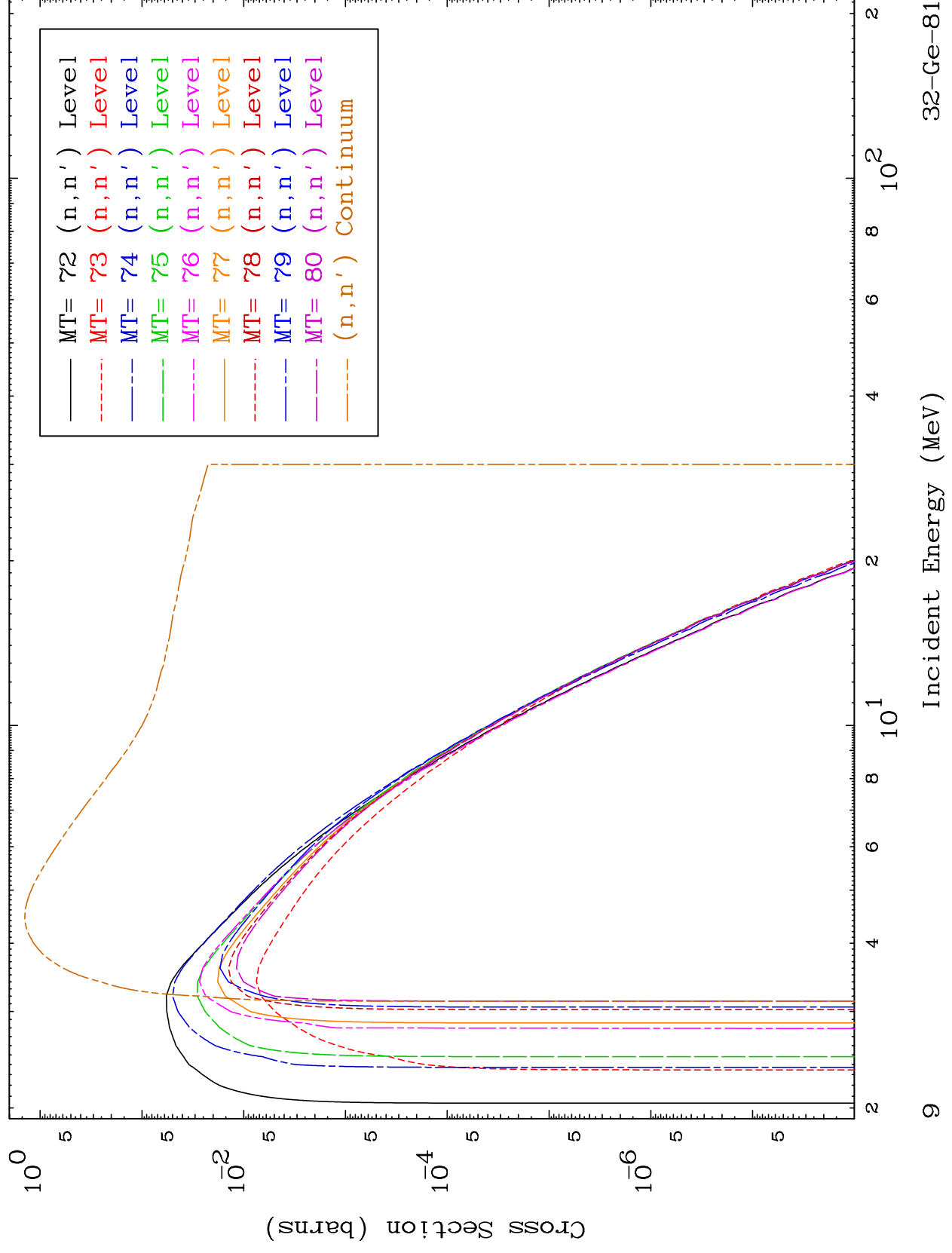
293 Kelvin Cross Sections



Incident Energy (MeV)

32-Ge-81

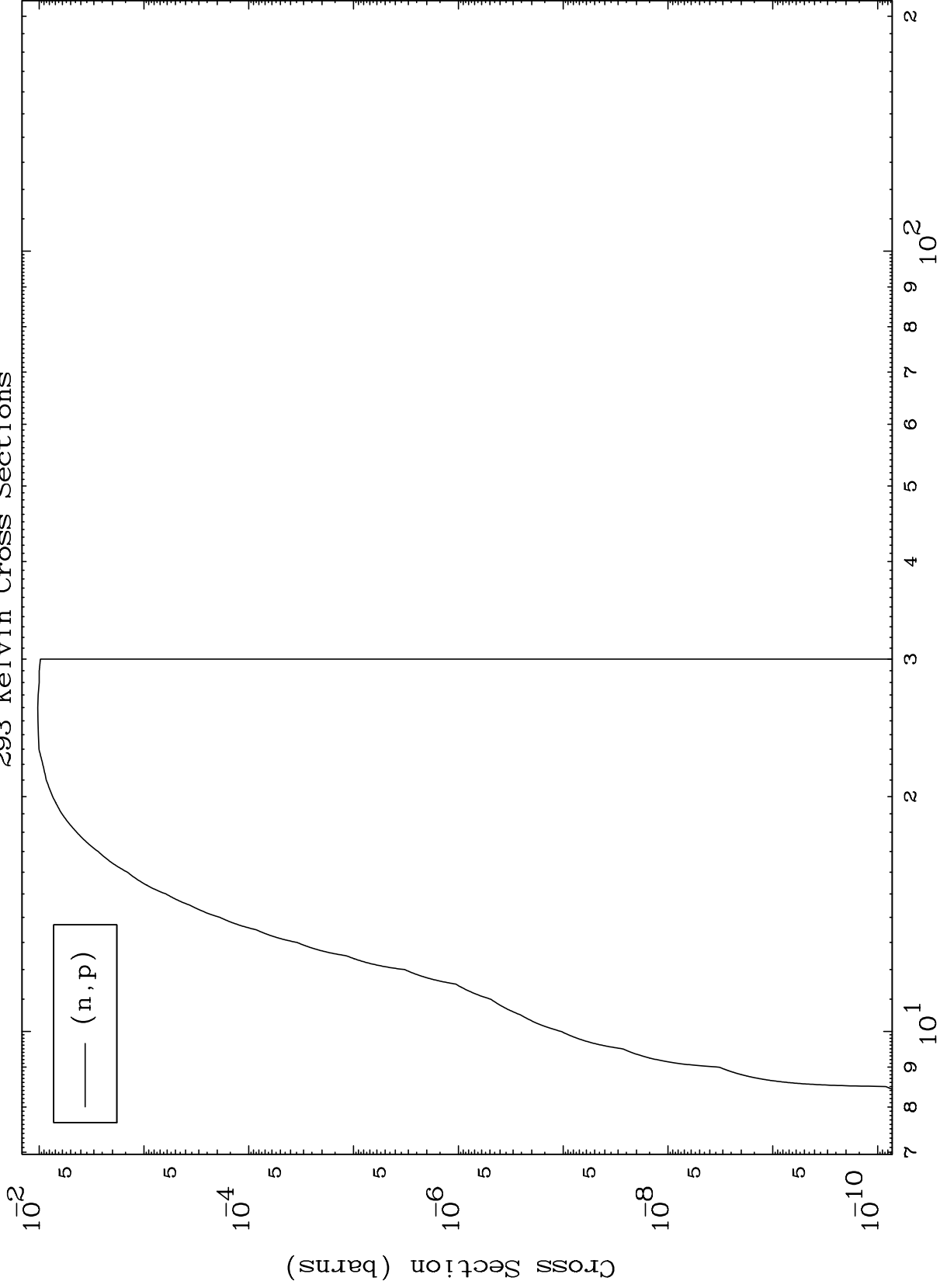
293 Kelvin Cross Sections



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(n,p) Levels
293 Kelvin Cross Sections

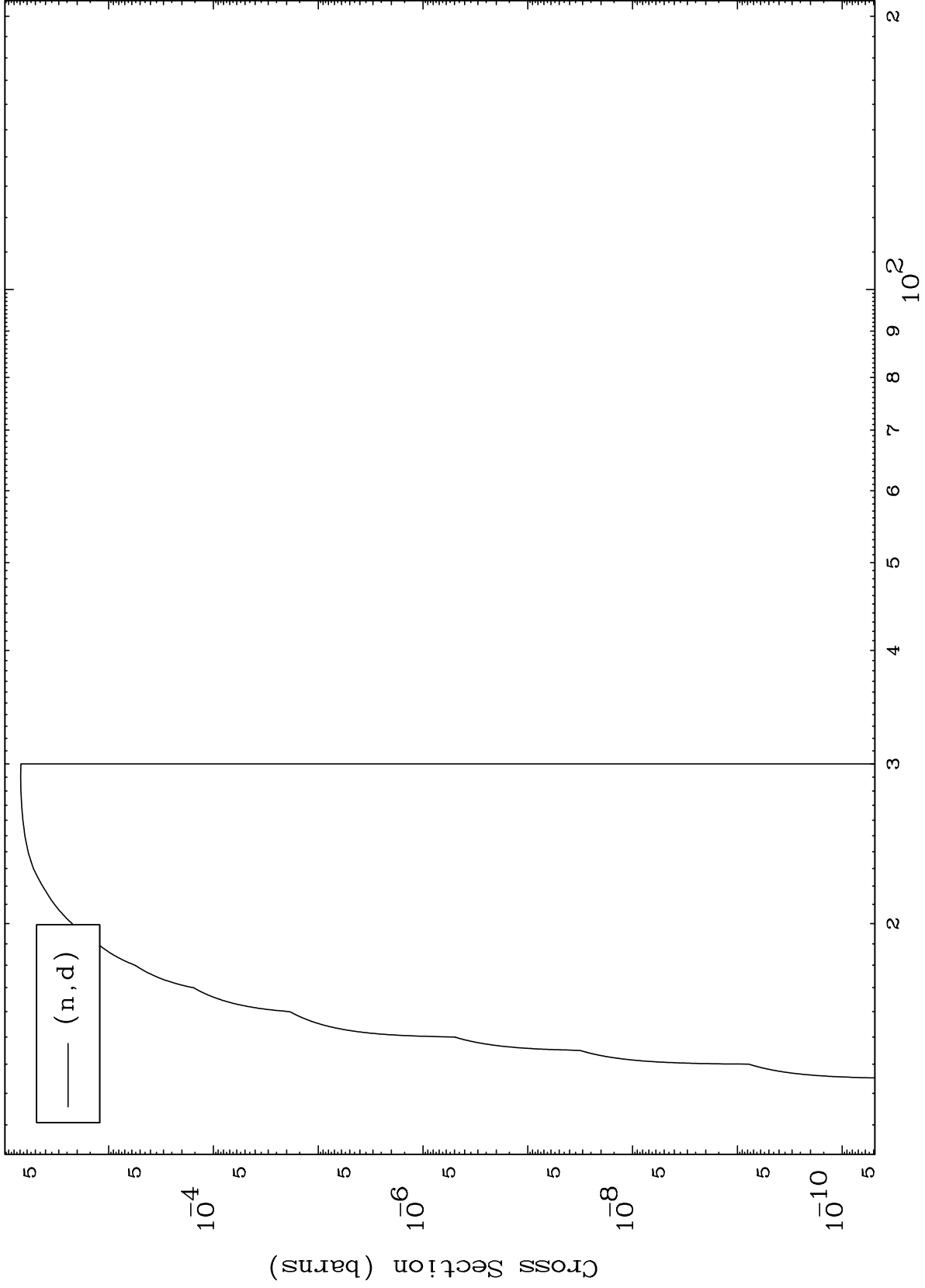
³²Ge-81



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Incident Energy (MeV)

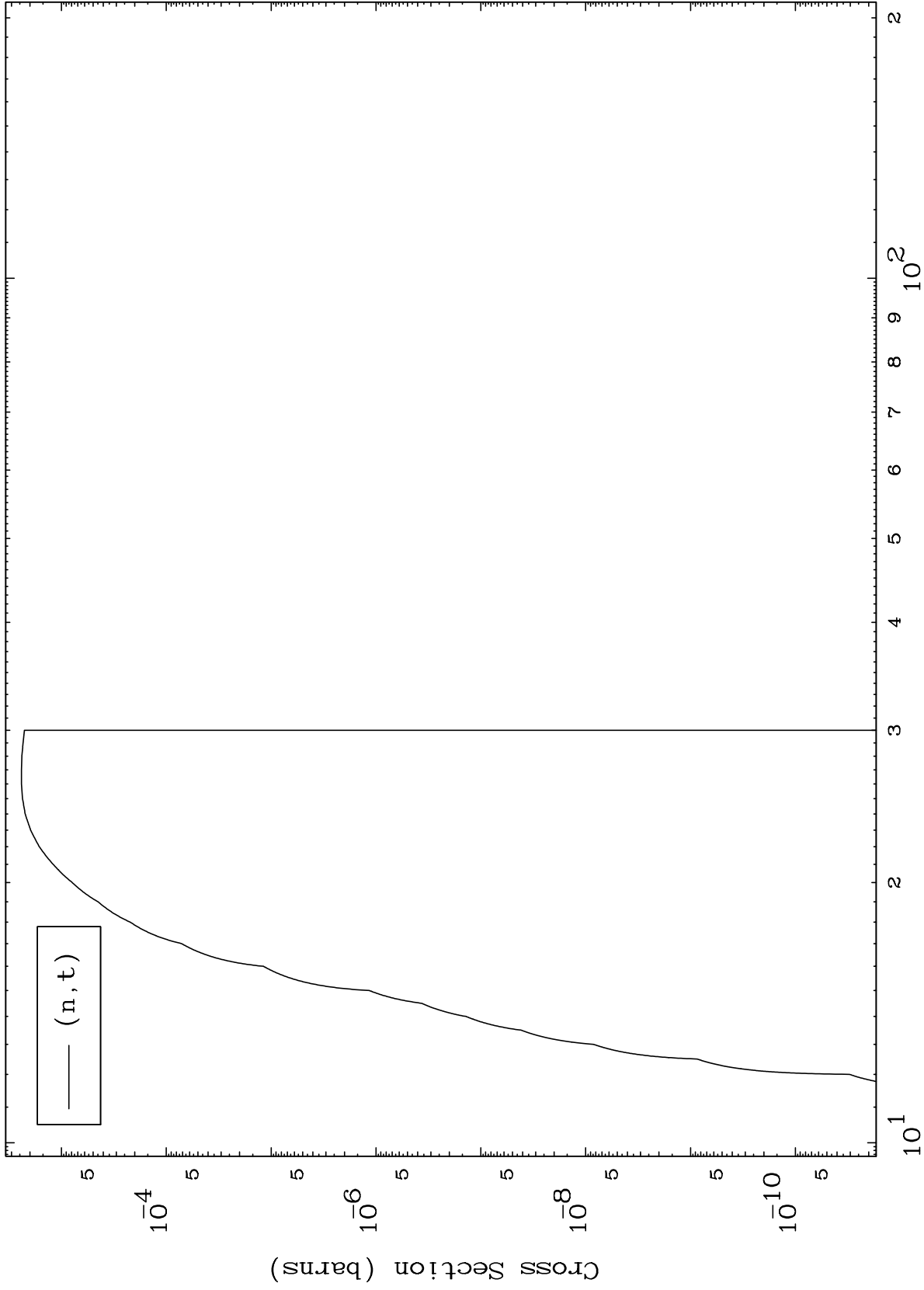
³²Ge-81



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(n,t) Levels
293 Kelvin Cross Sections

³²Ge-81



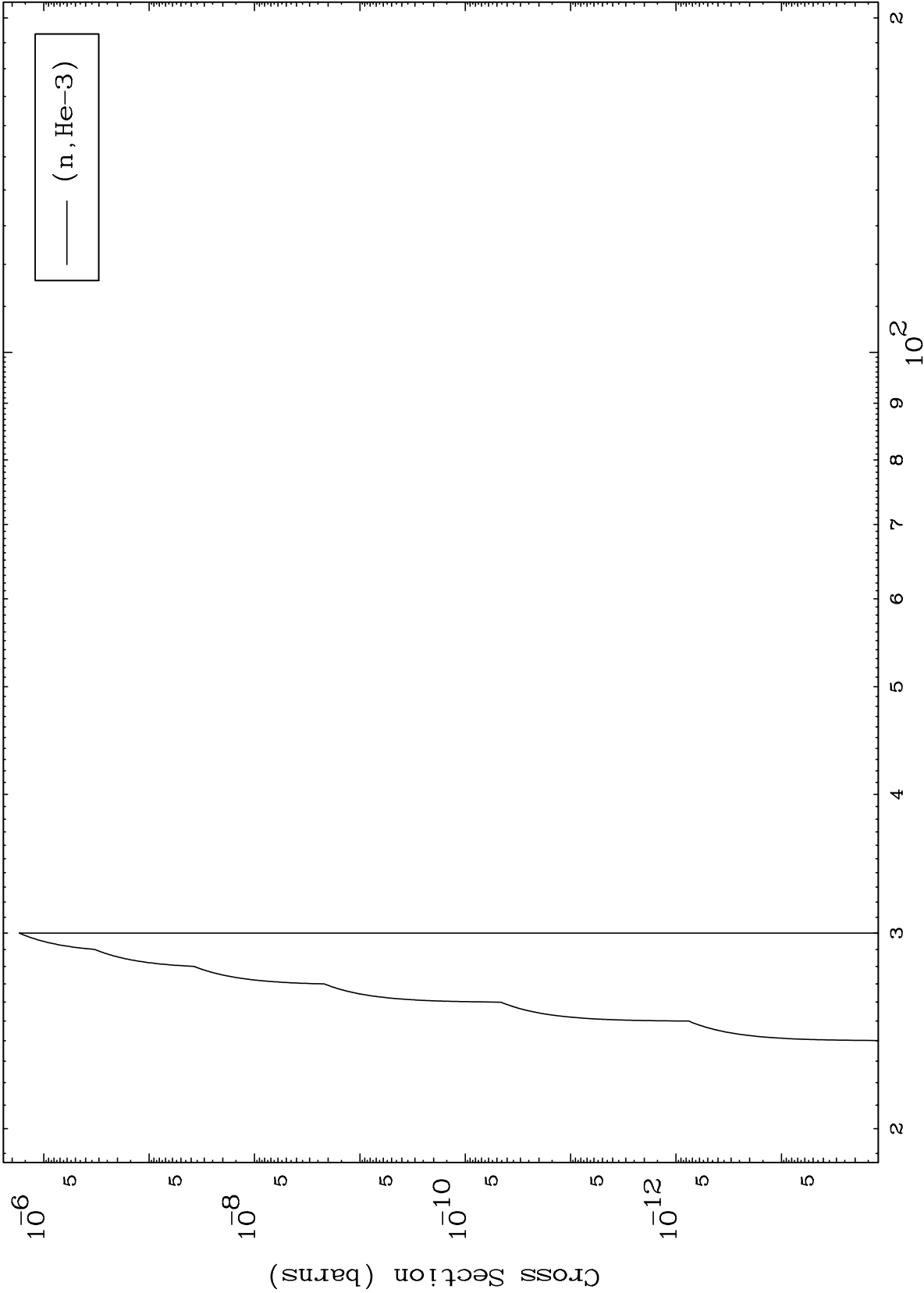
Incident Energy (MeV)

³²Ge-81

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32-Ge-81

(n,He3) Levels
293 Kelvin Cross Sections



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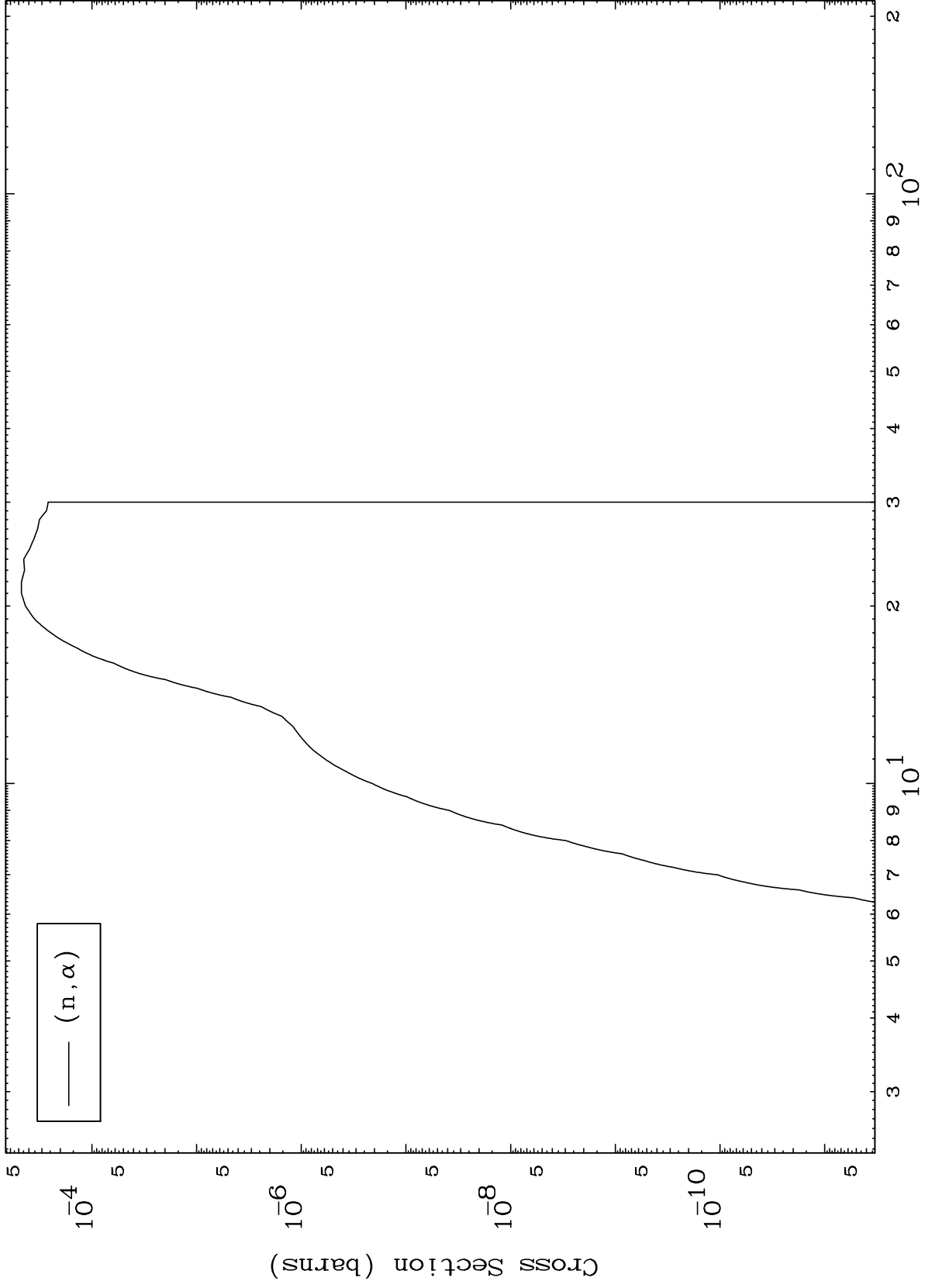
32-Ge-81

Incident Energy (MeV)

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(n,α) Levels
293 Kelvin Cross Sections

32-Ge-81



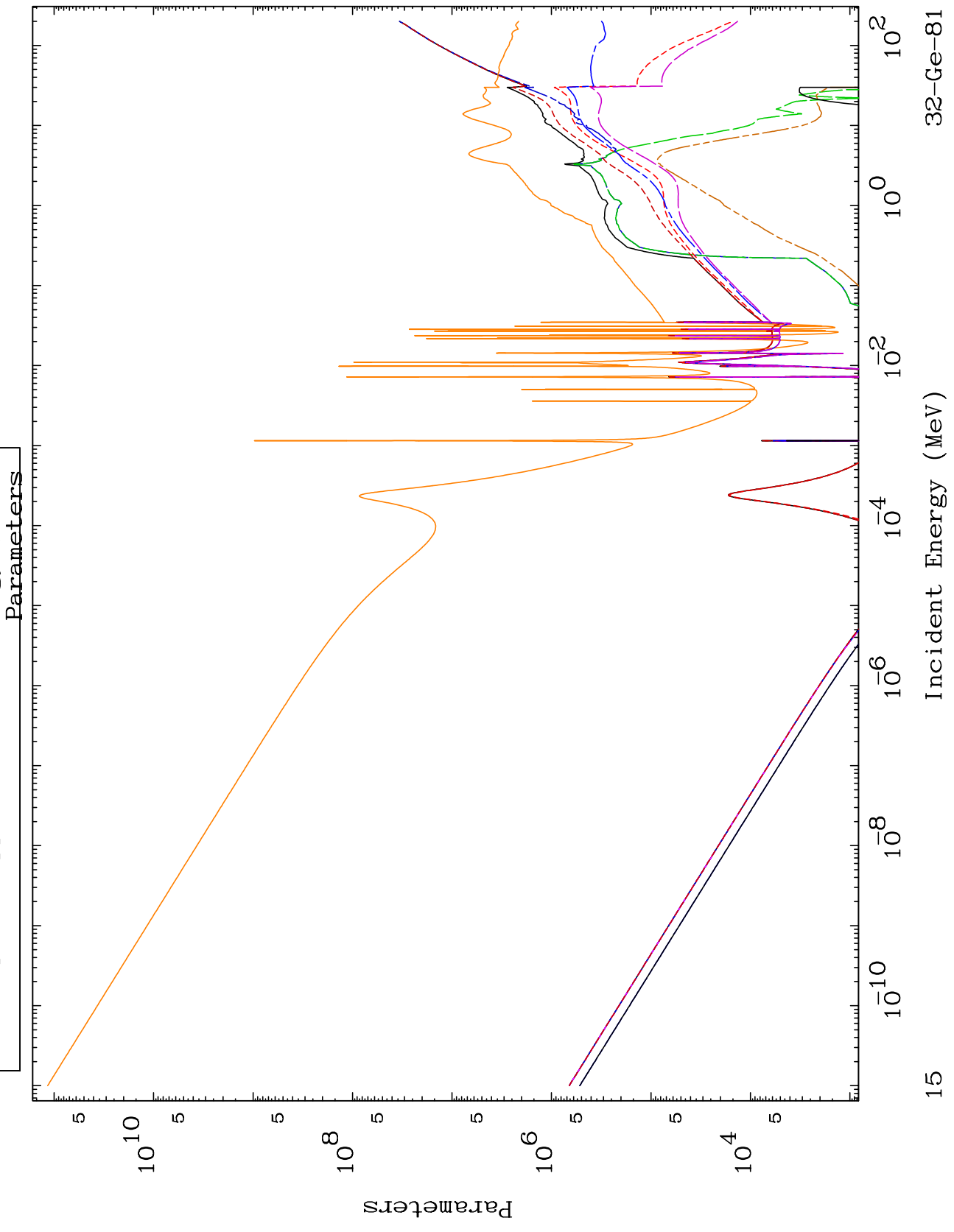
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Incident Energy (MeV)

32-Ge-81

--- Total kinematic kerma (high limit)
 --- Dpa total (eV-barns)
 --- Dpa elastic (mt2)
 --- Dpa inelastic (mt51-91)
 MAT-3259 Dpa disappearance (mt100erg20)

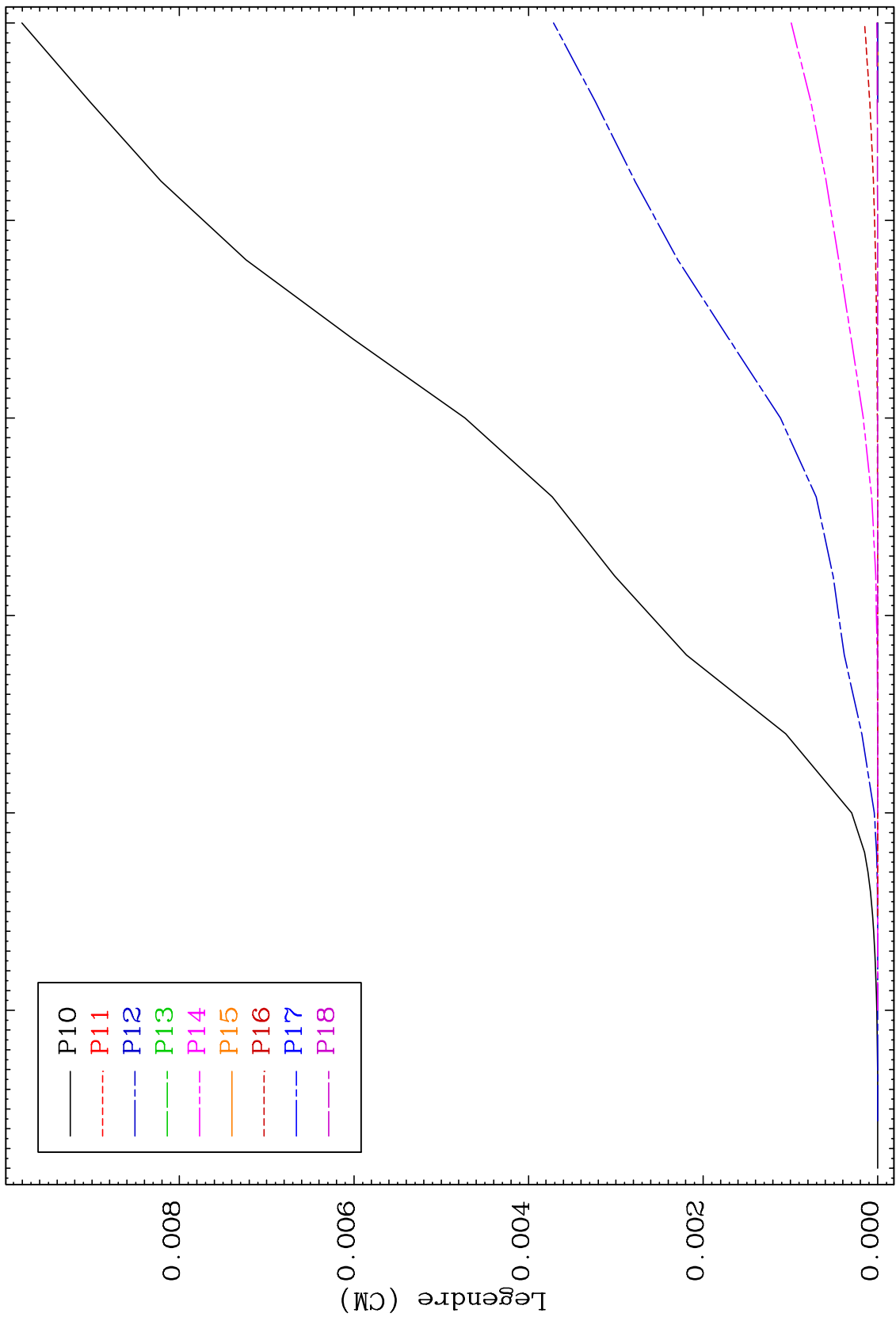
32-Ge-81



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Elastic Legendre Coefficients

³²Ge-81



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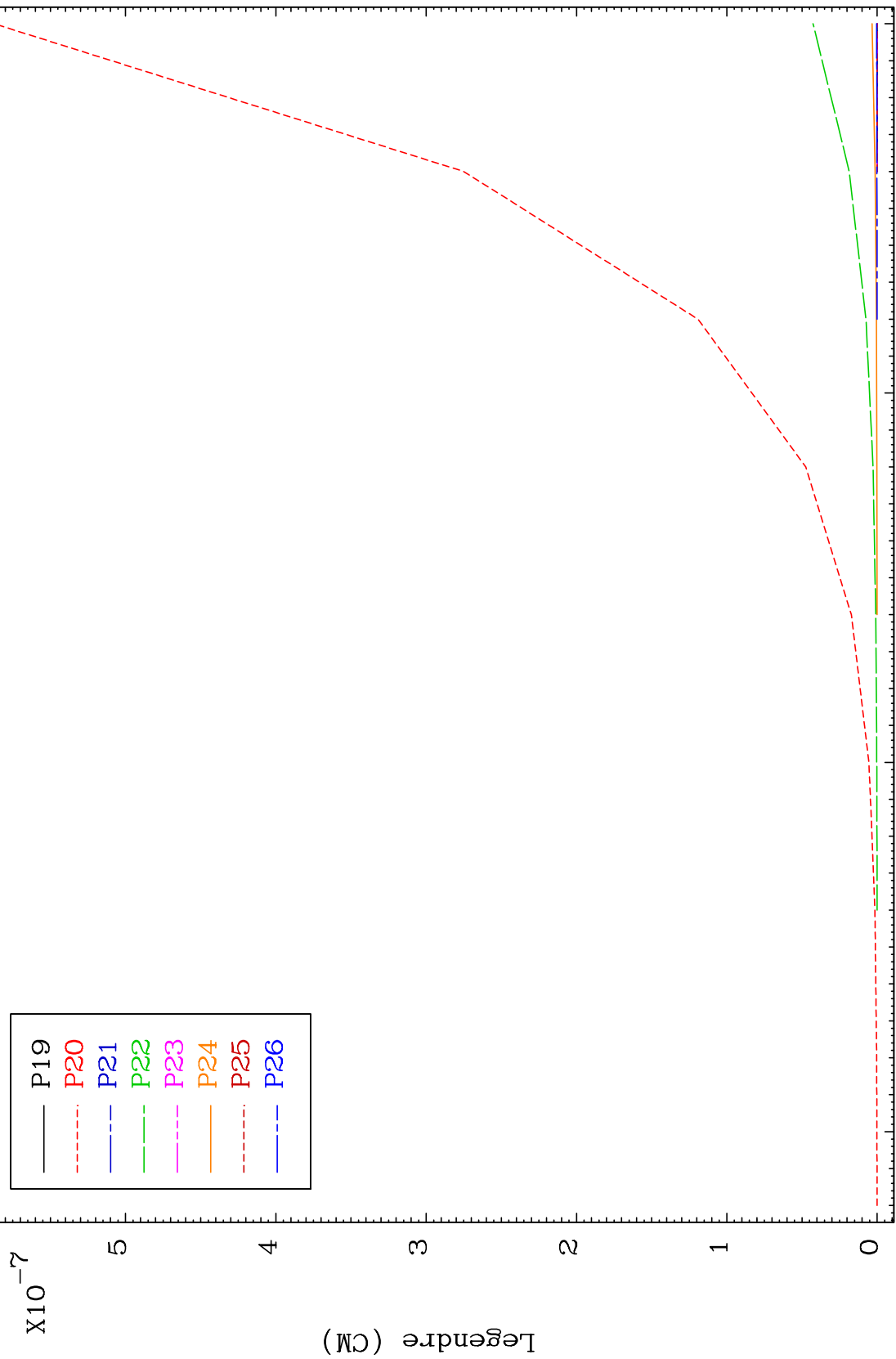
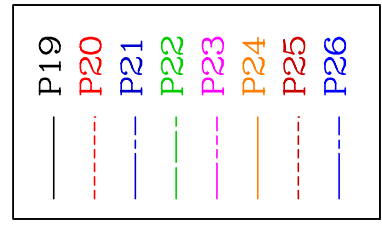
³²Ge-81

Incident Energy (MeV)

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Elastic Legendre Coefficients

³²Ge-81



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Incident Energy (MeV)

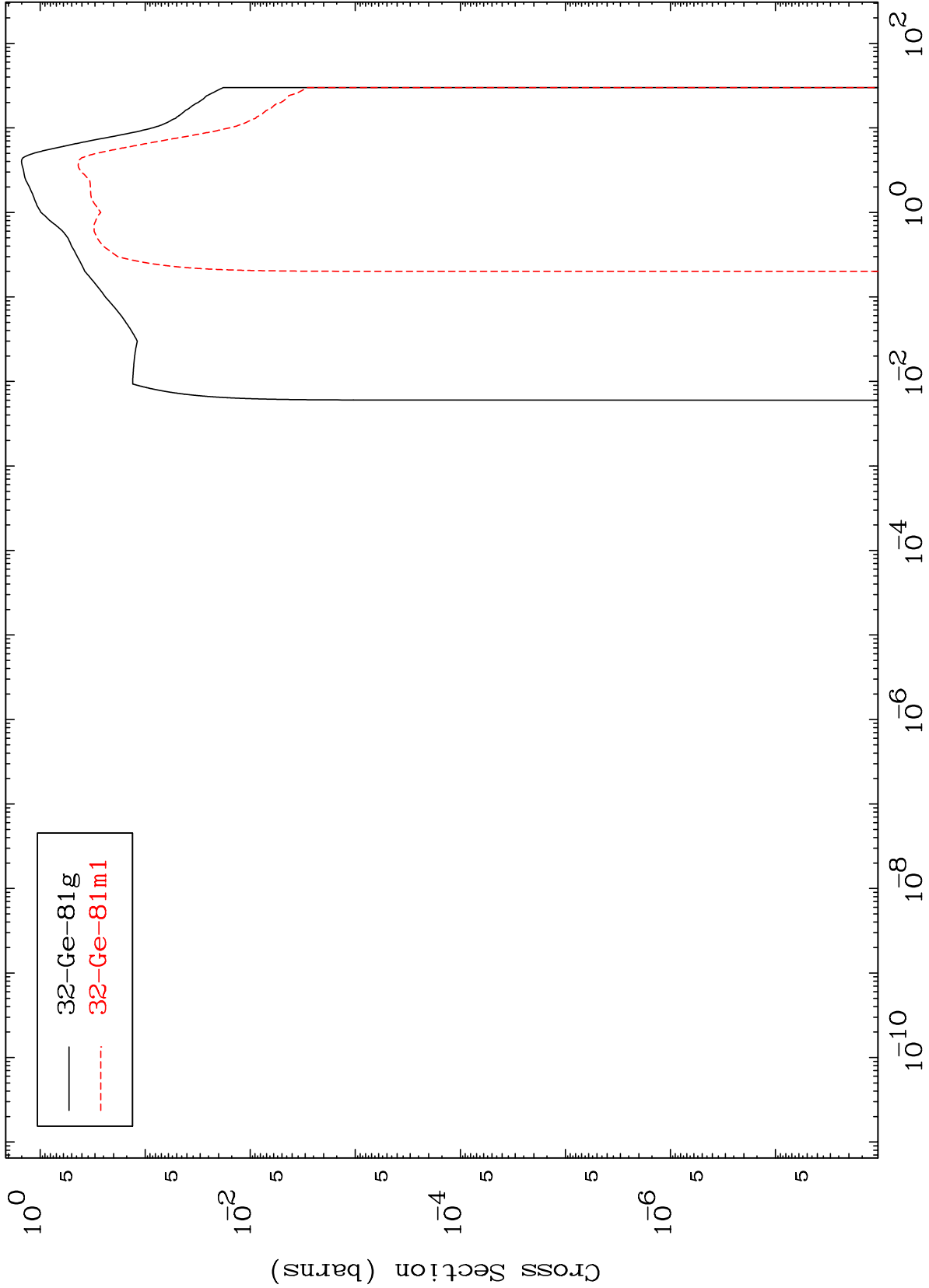
³²Ge-81

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³²Ge-81

Inelastic

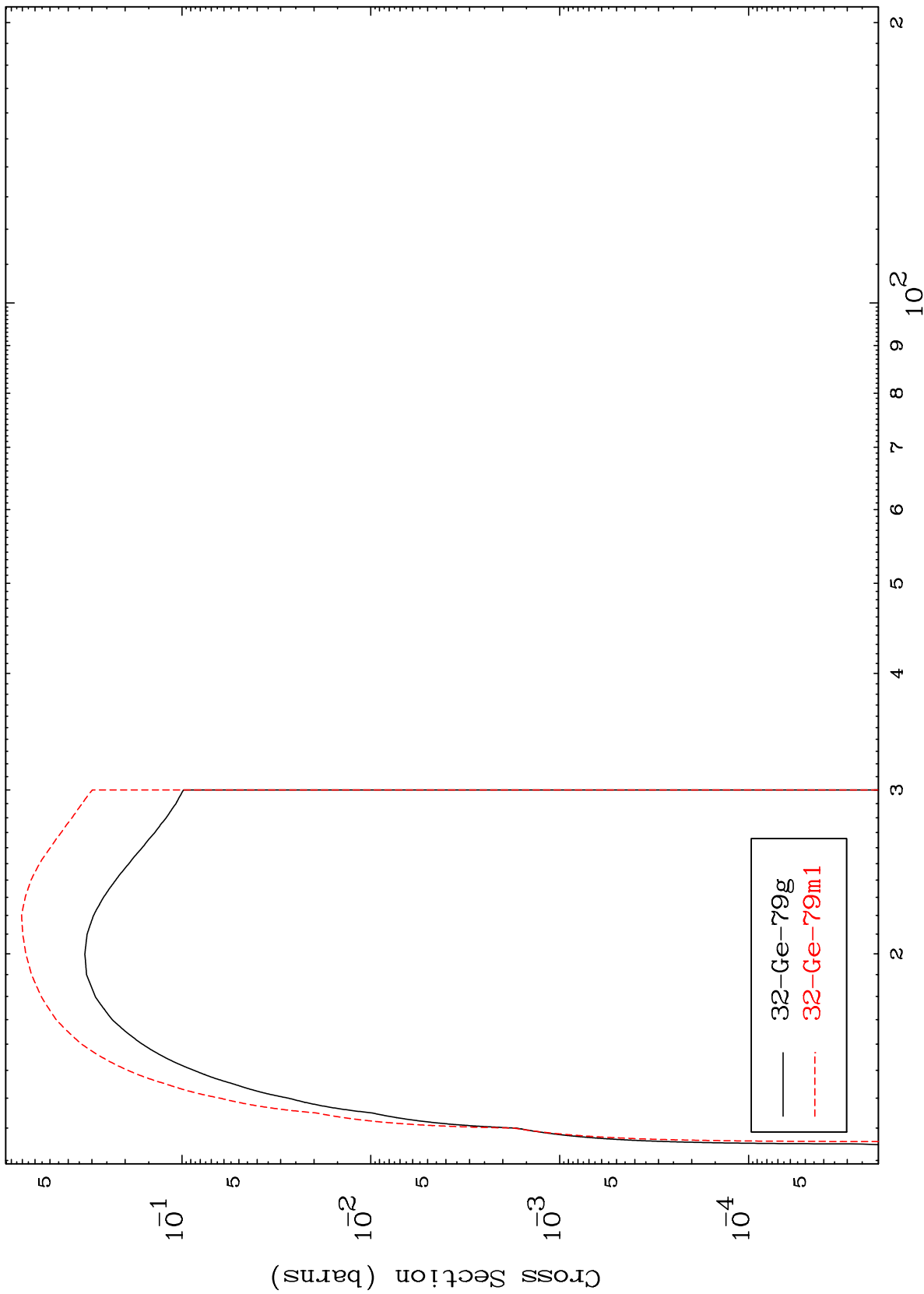
Radionuclide Production Cross Section



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³²Ge-81

Radionuclide Production Cross Section (n,3n)



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Incident Energy (MeV)

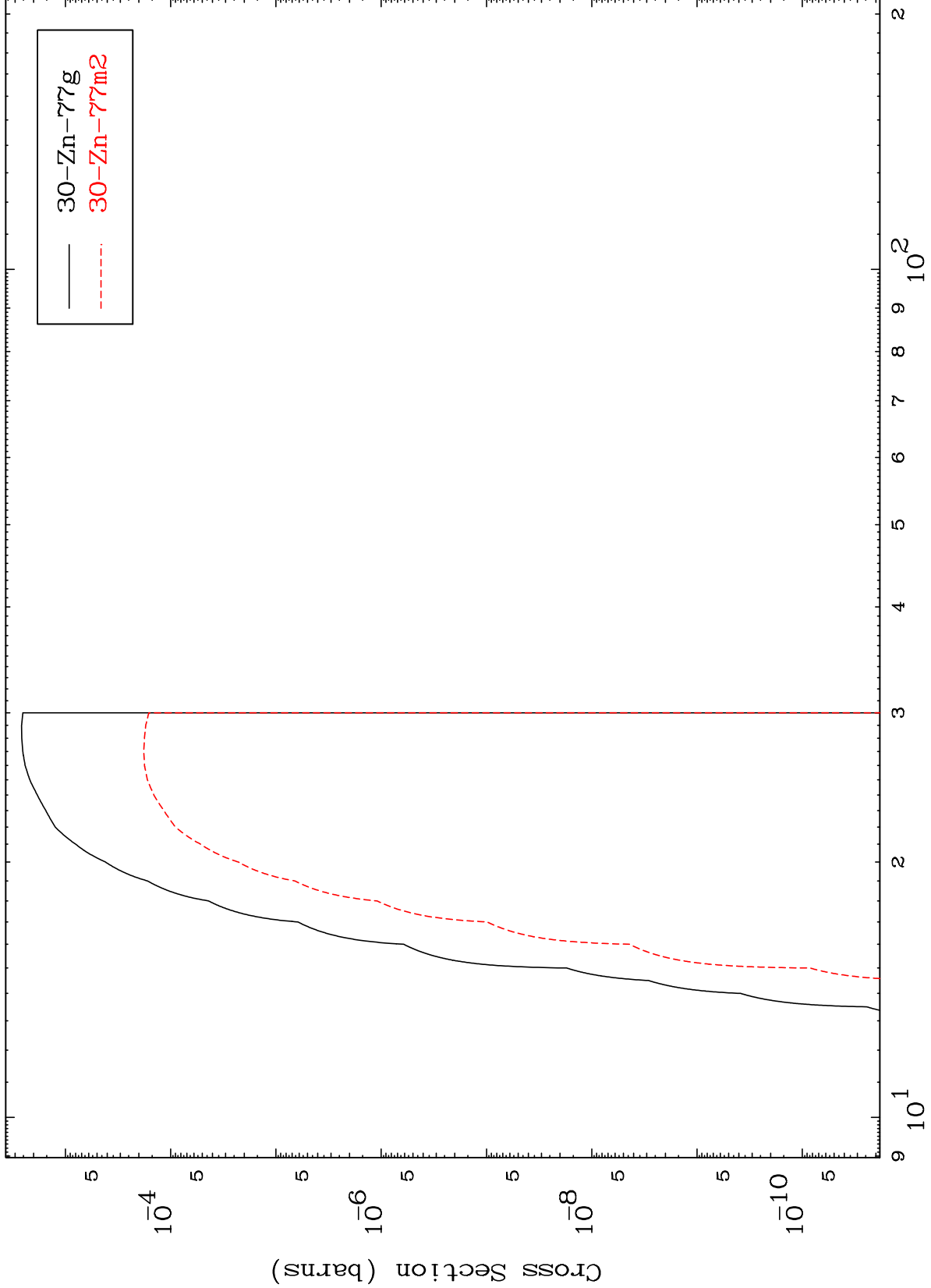
³²Ge-81

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$(n, n') \alpha$

$^{32}\text{Ge-81}$

Radionuclide Production Cross Section



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Incident Energy (MeV)

$^{32}\text{Ge-81}$