

Program EVALPLOT
(Version 2015-2)

by

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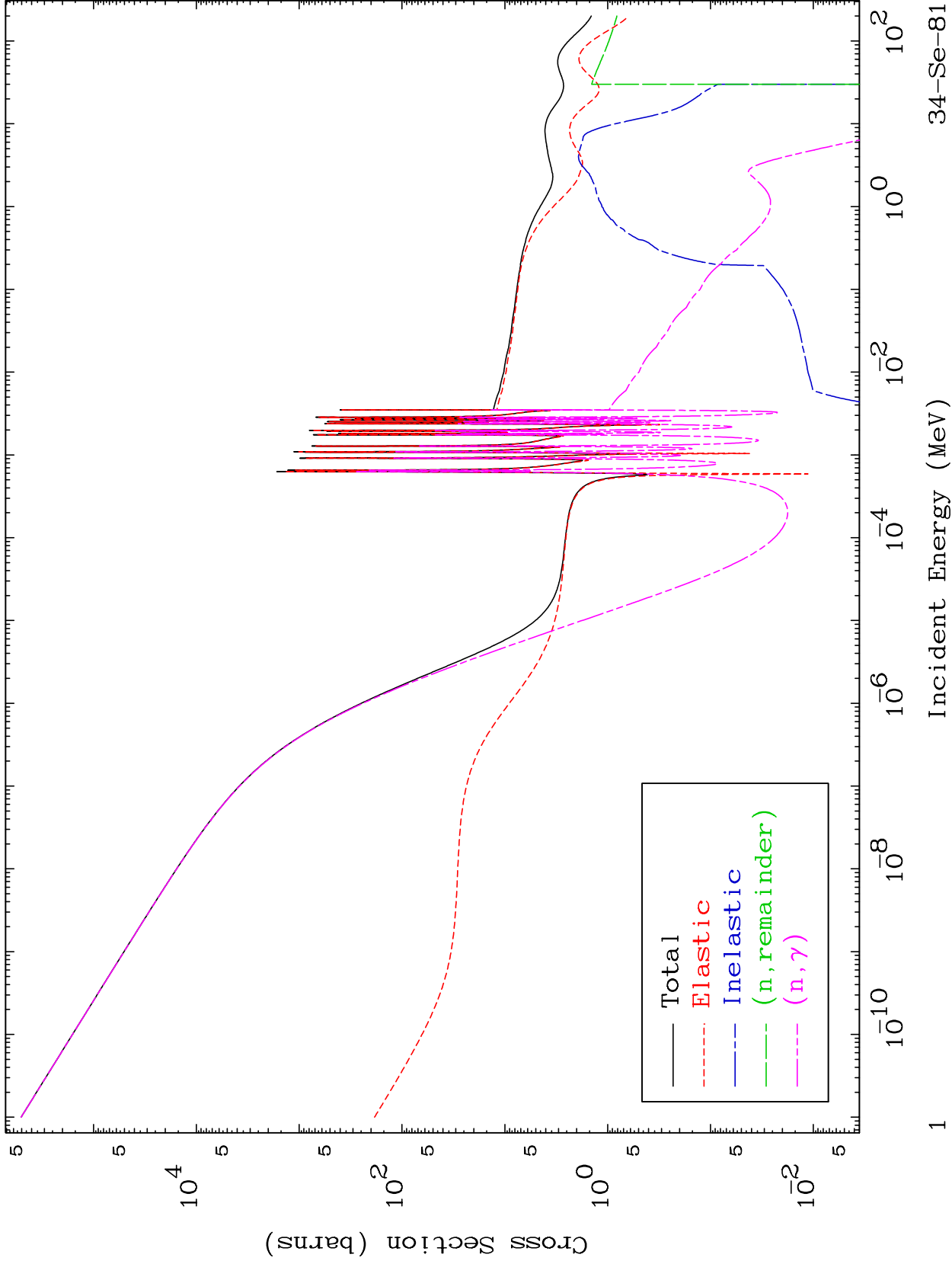
Press Mouse Button to Start

MAT 3447

Major

293 Kelvin Cross Sections

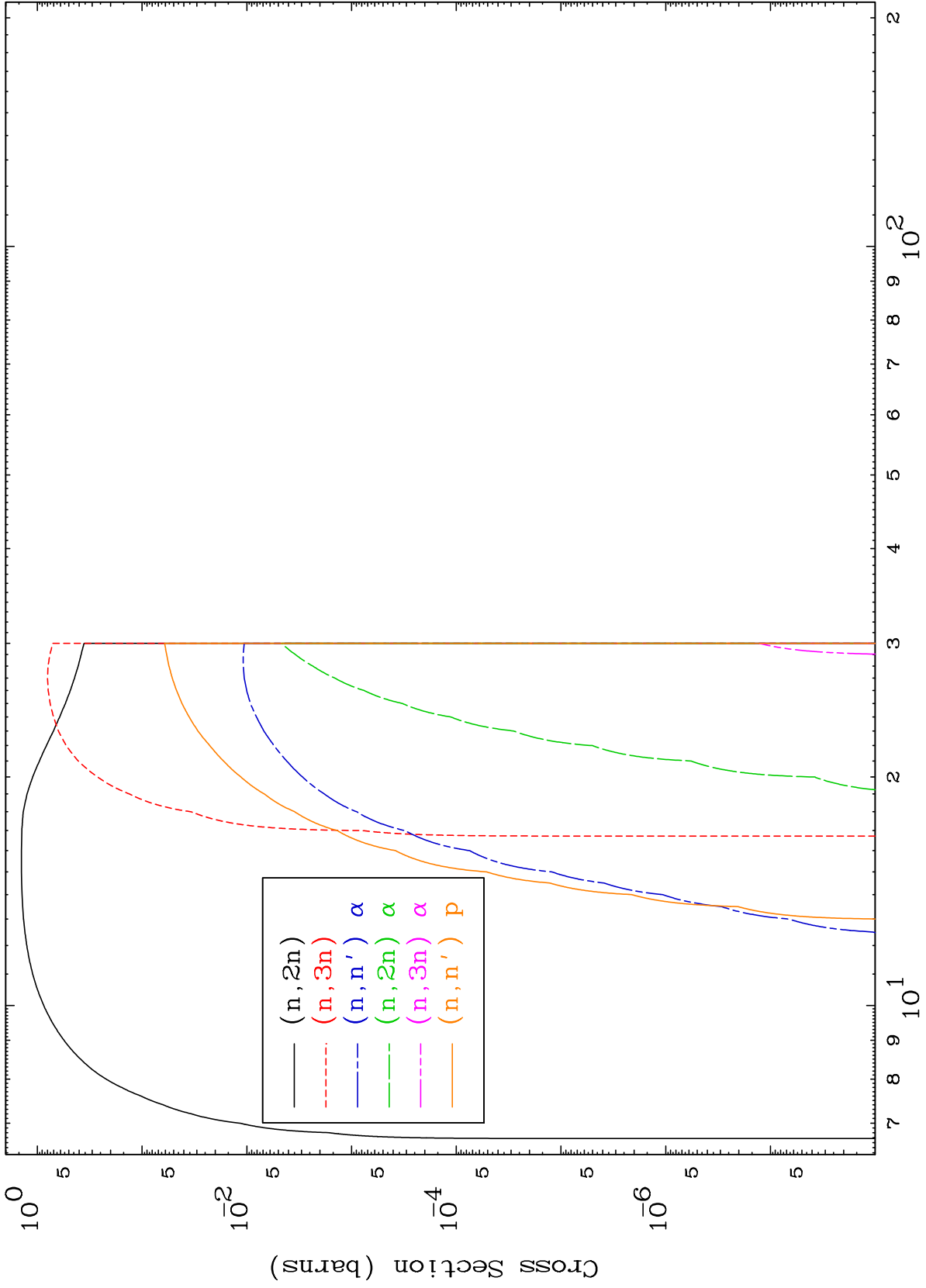
³⁴Se-81



MAT 3447

Neutron Production
293 Kelvin Cross Sections

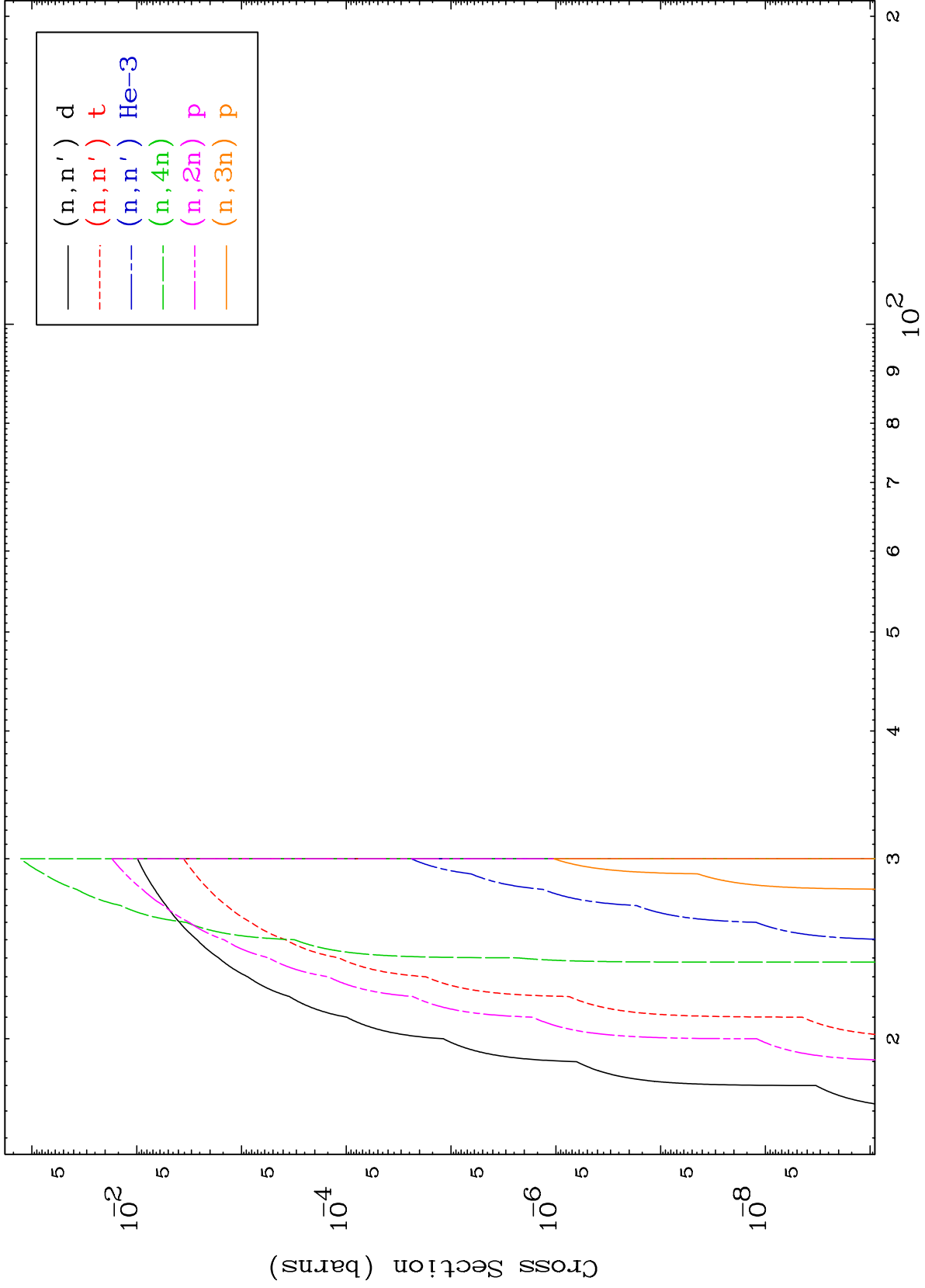
³⁴Se-81

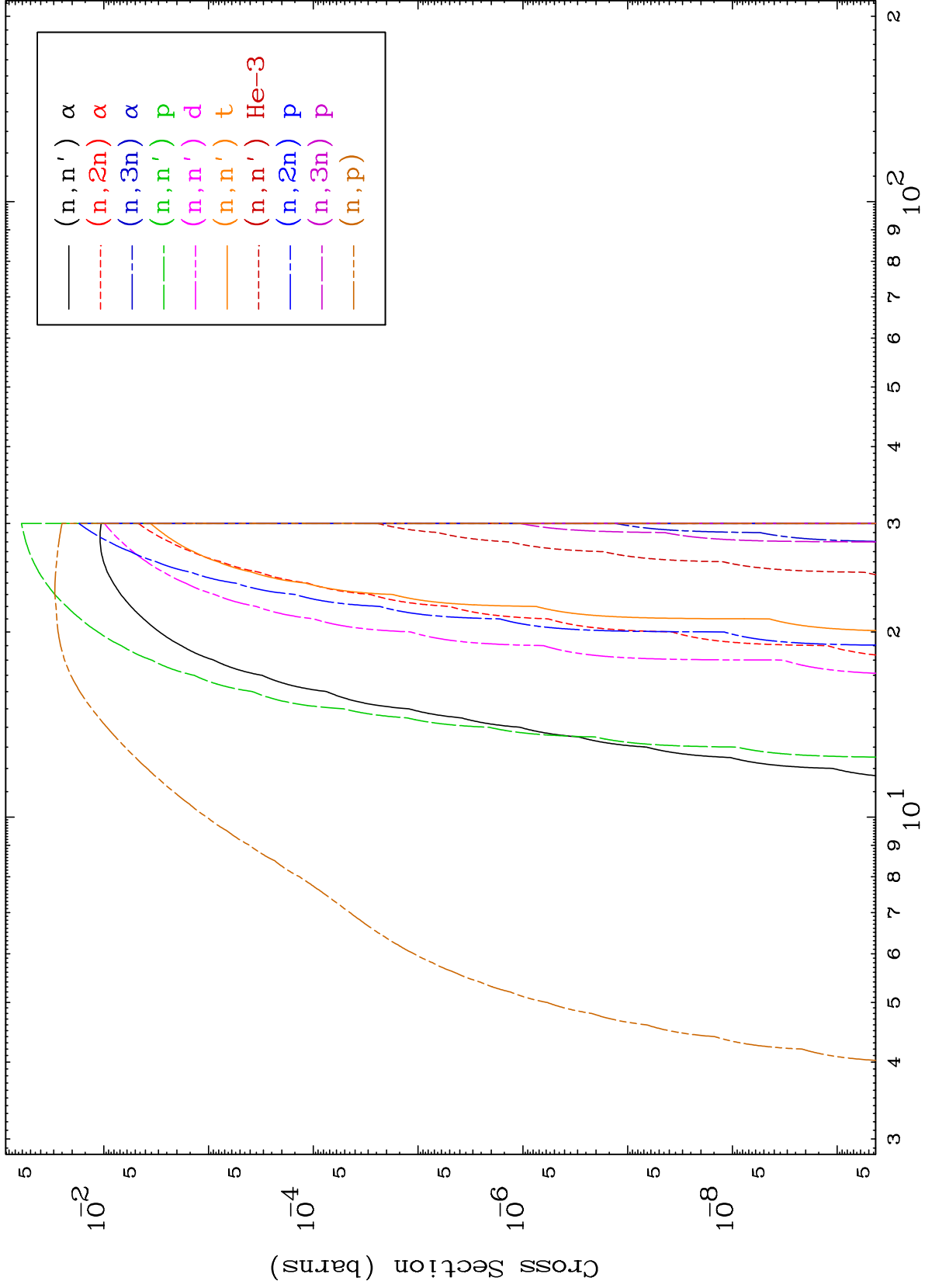


2

Incident Energy (MeV)

³⁴Se-81

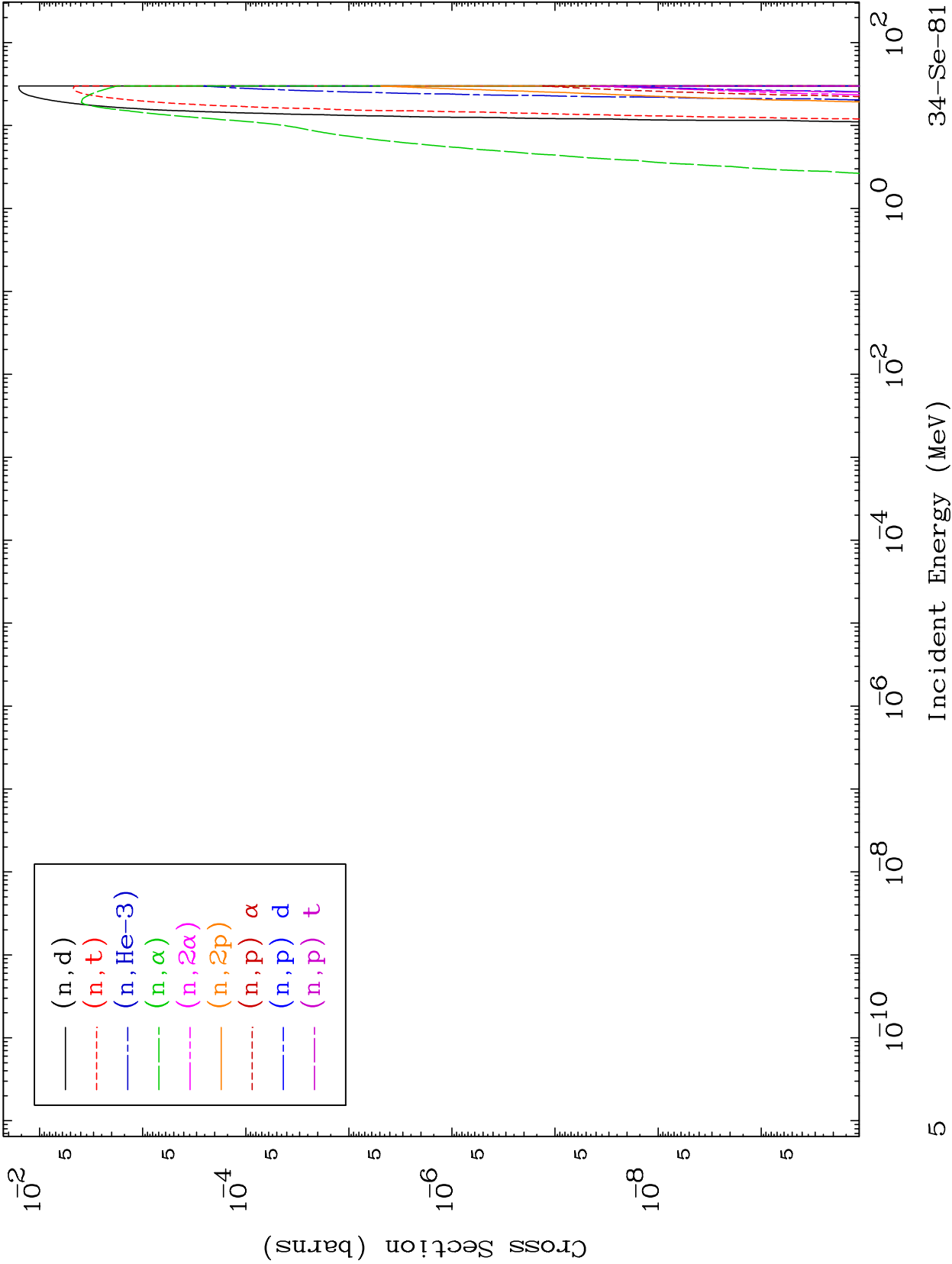




MAT 3447

Charged Particle
293 Kelvin Cross Sections

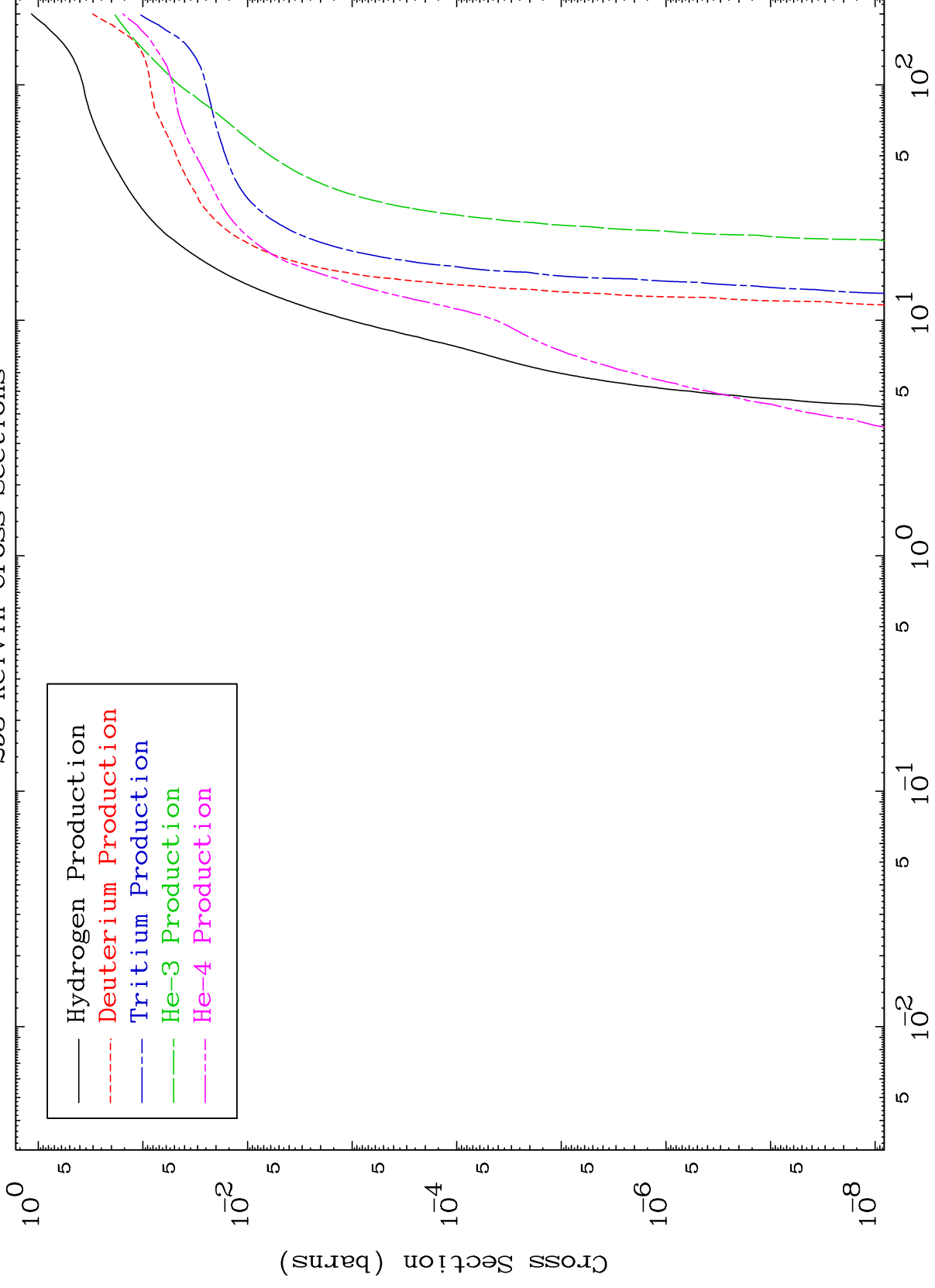
34-Se-81



MAT 3447

Particle Production
293 Kelvin Cross Sections

³⁴Se-81



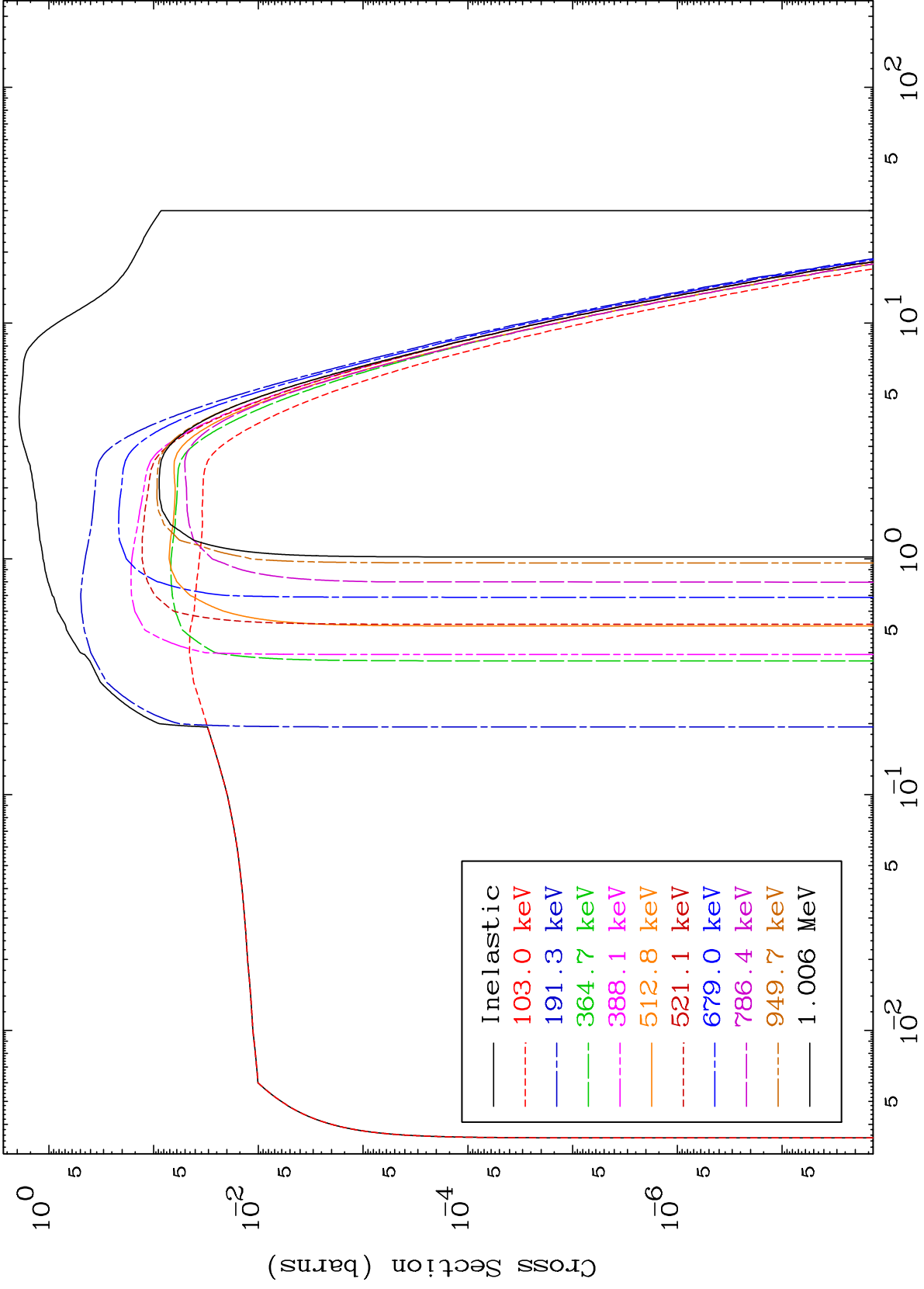
6

³⁴Se-81

MAT 3447

(n,n') Level
293 Kelvin Cross Sections

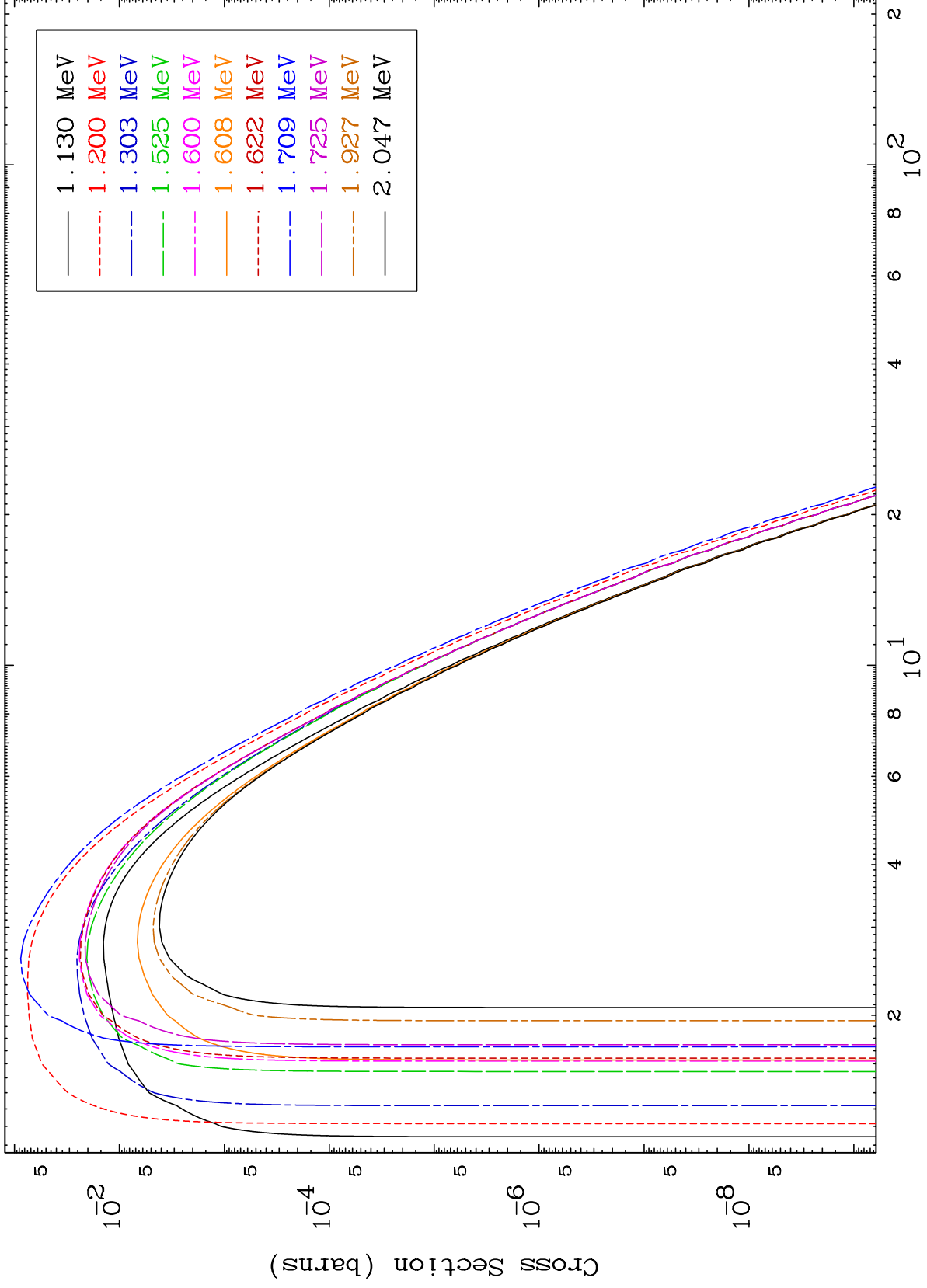
³⁴Se-81



MAT 3447

(n,n') Level
293 Kelvin Cross Sections

34-Se-81



8

Incident Energy (MeV)

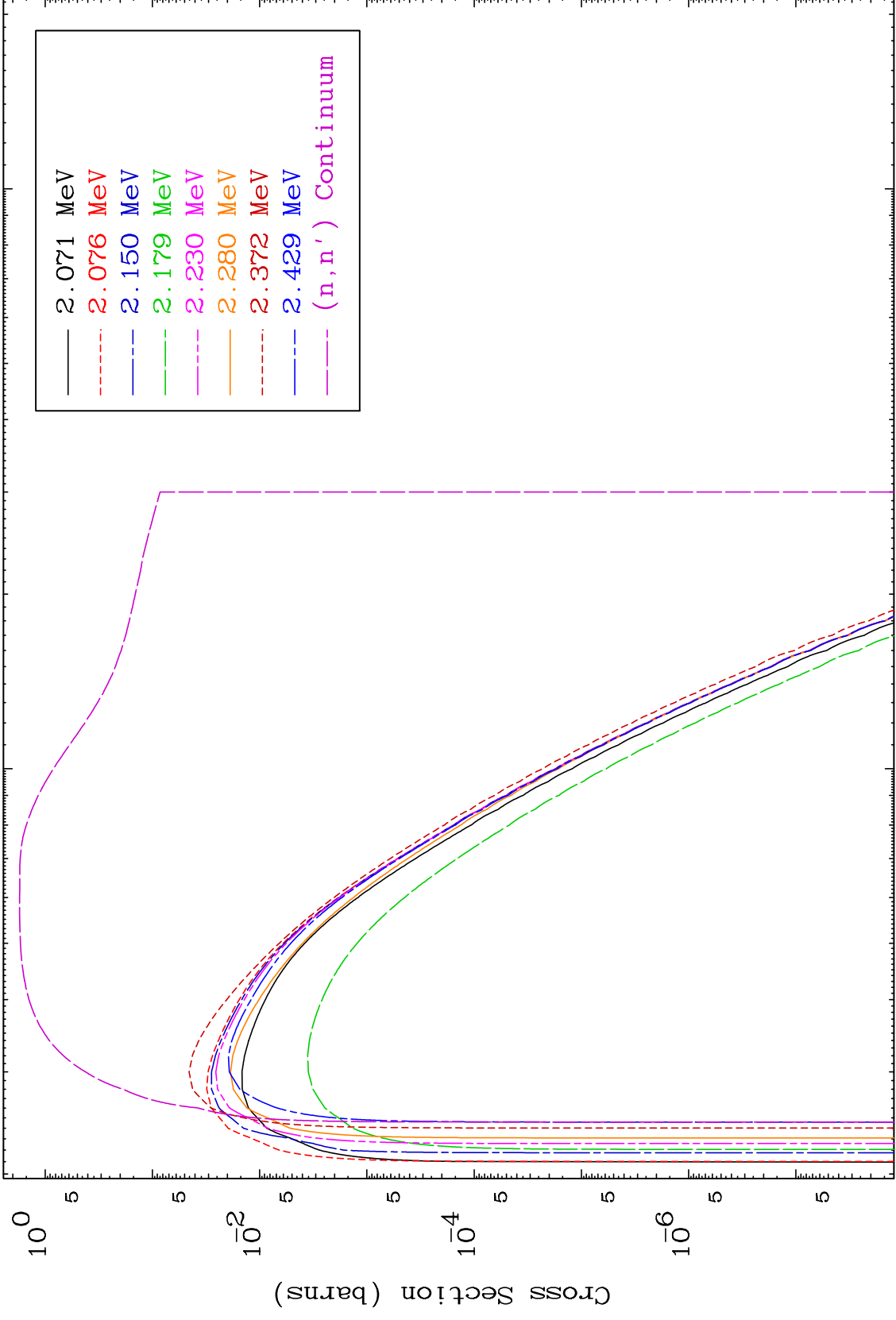
34-Se-81

MAT 3447

(n,n') Level

³⁴Se-81

293 Kelvin Cross Sections



³⁴Se-81

9

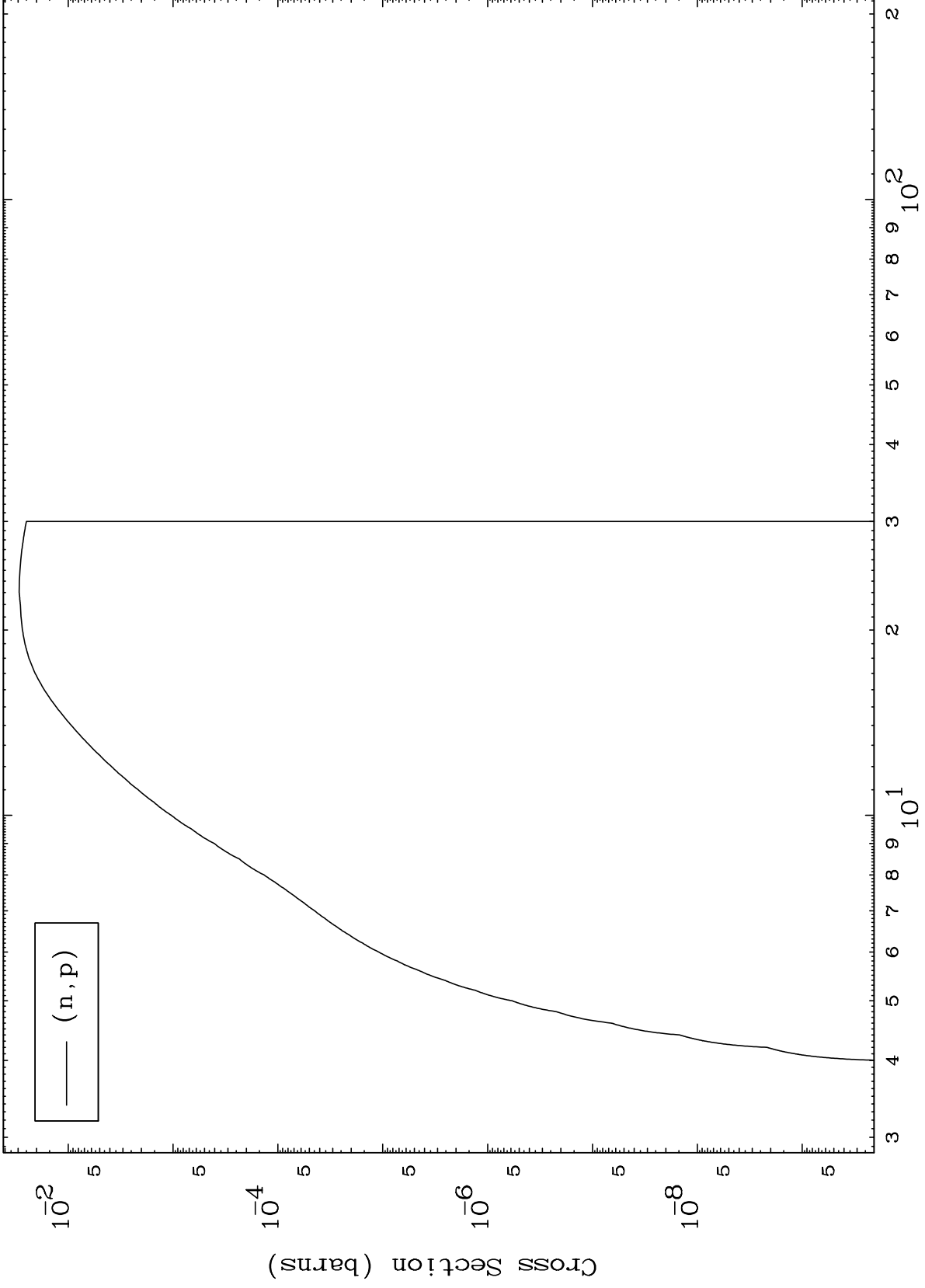
Incident Energy (MeV)

³⁴Se-81

MAT 3447

(n,p) Levels
293 Kelvin Cross Sections

³⁴Se-81



10

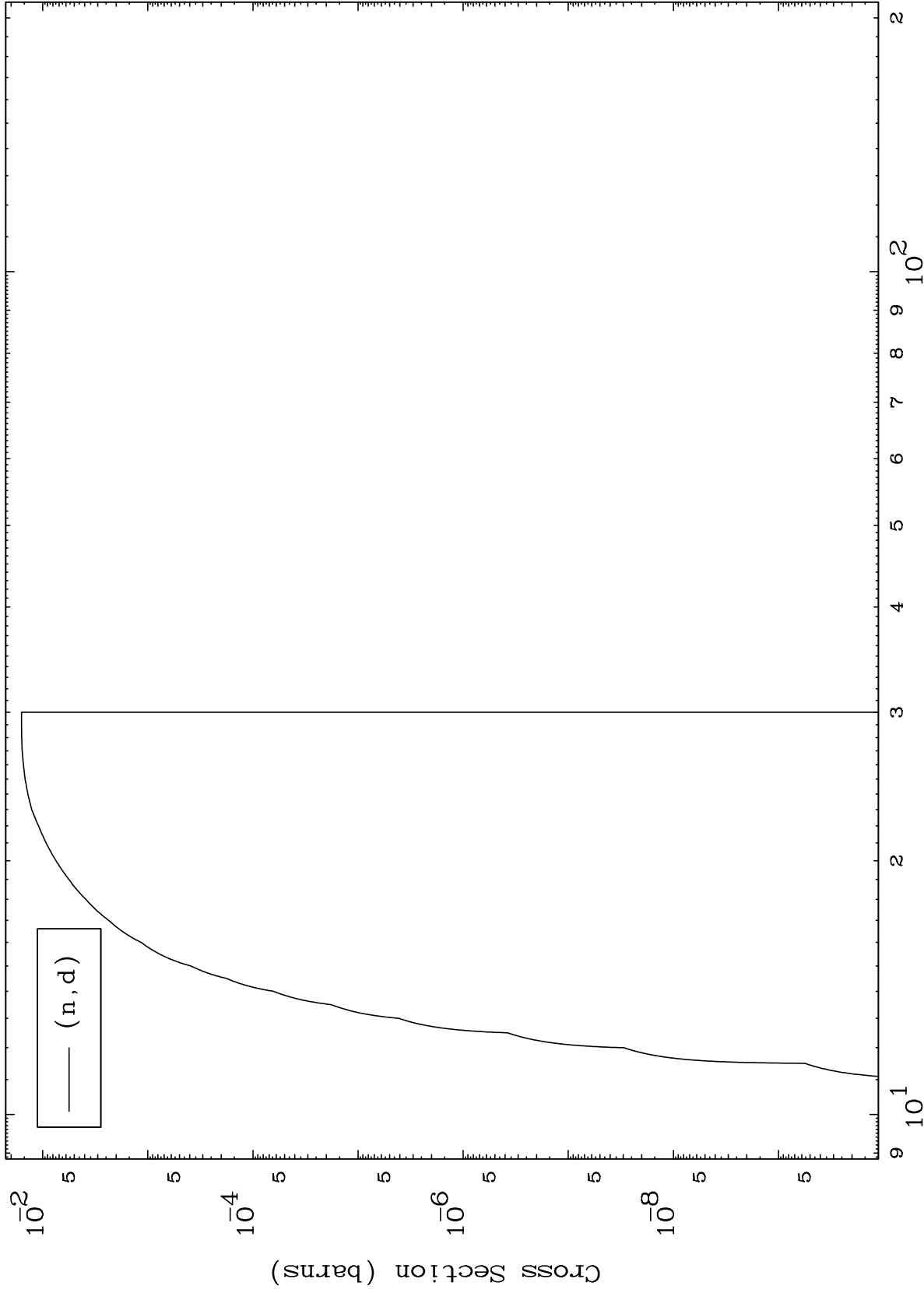
Incident Energy (MeV)

³⁴Se-81

MAT 3447

(n,d) Levels
293 Kelvin Cross Sections

³⁴Se-81



11

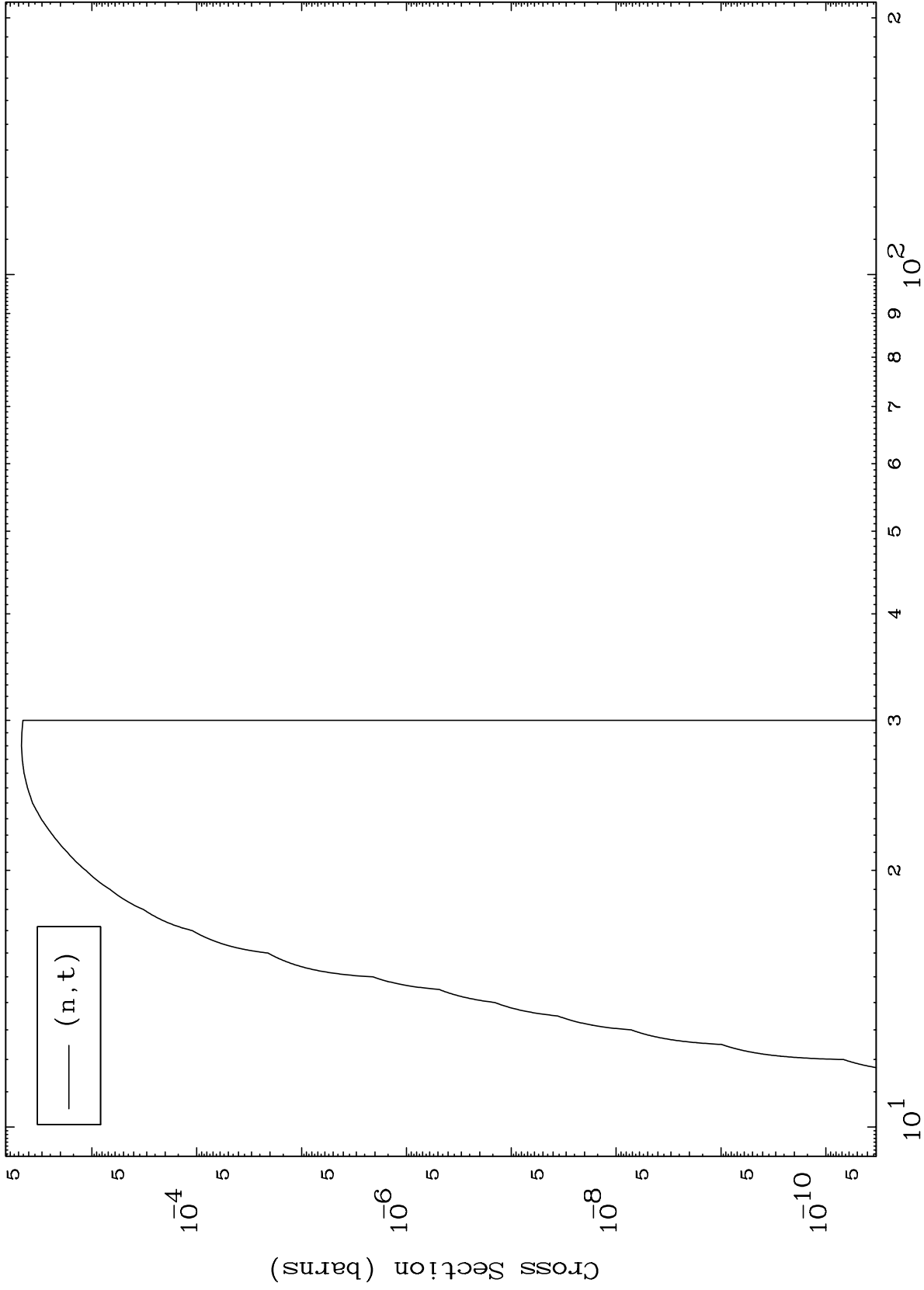
Incident Energy (MeV)

³⁴Se-81

MAT 3447

(n,t) Levels
293 Kelvin Cross Sections

³⁴Se-81



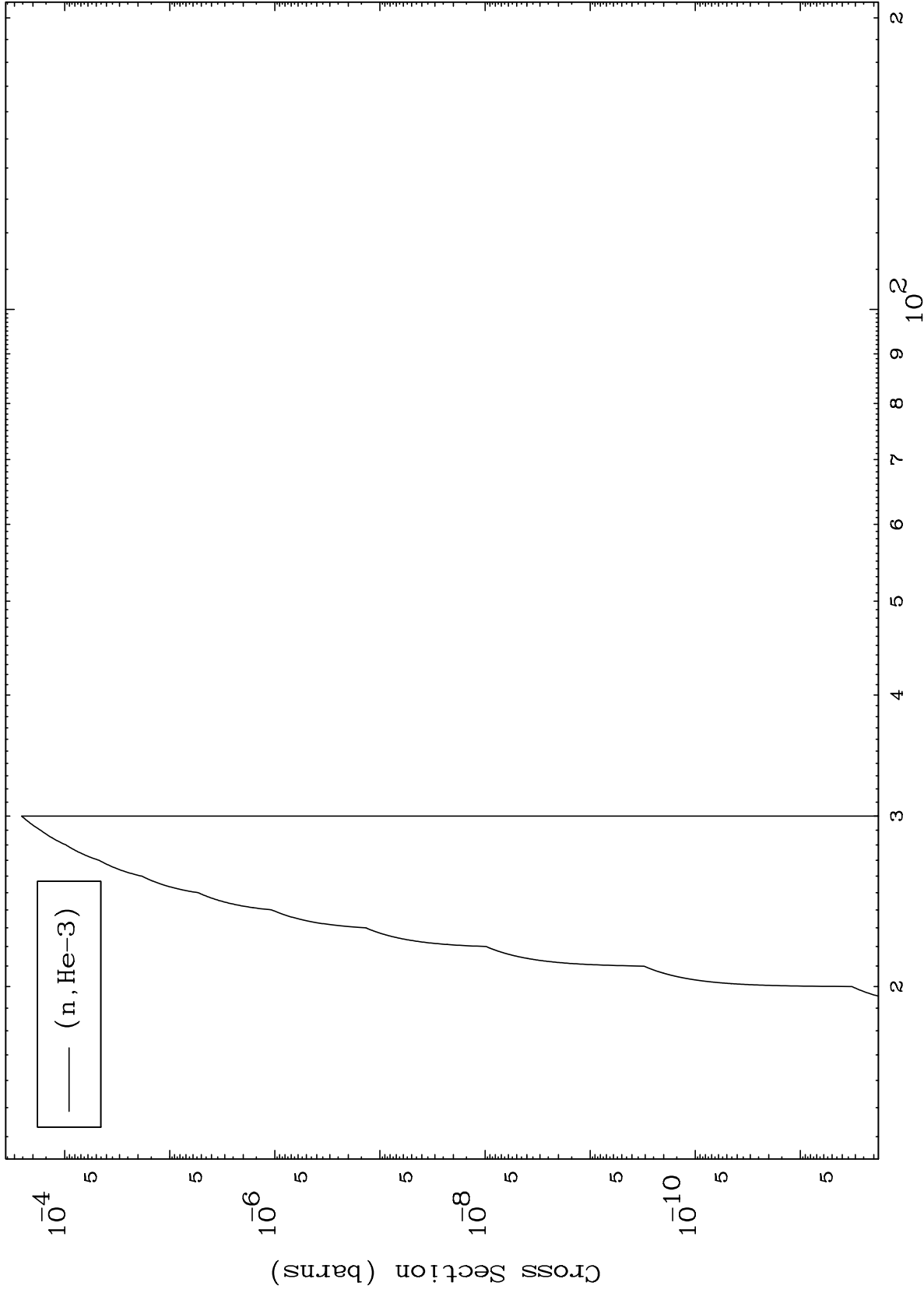
Incident Energy (MeV)

³⁴Se-81

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(n,He3) Levels
293 Kelvin Cross Sections

34-Se-81



13

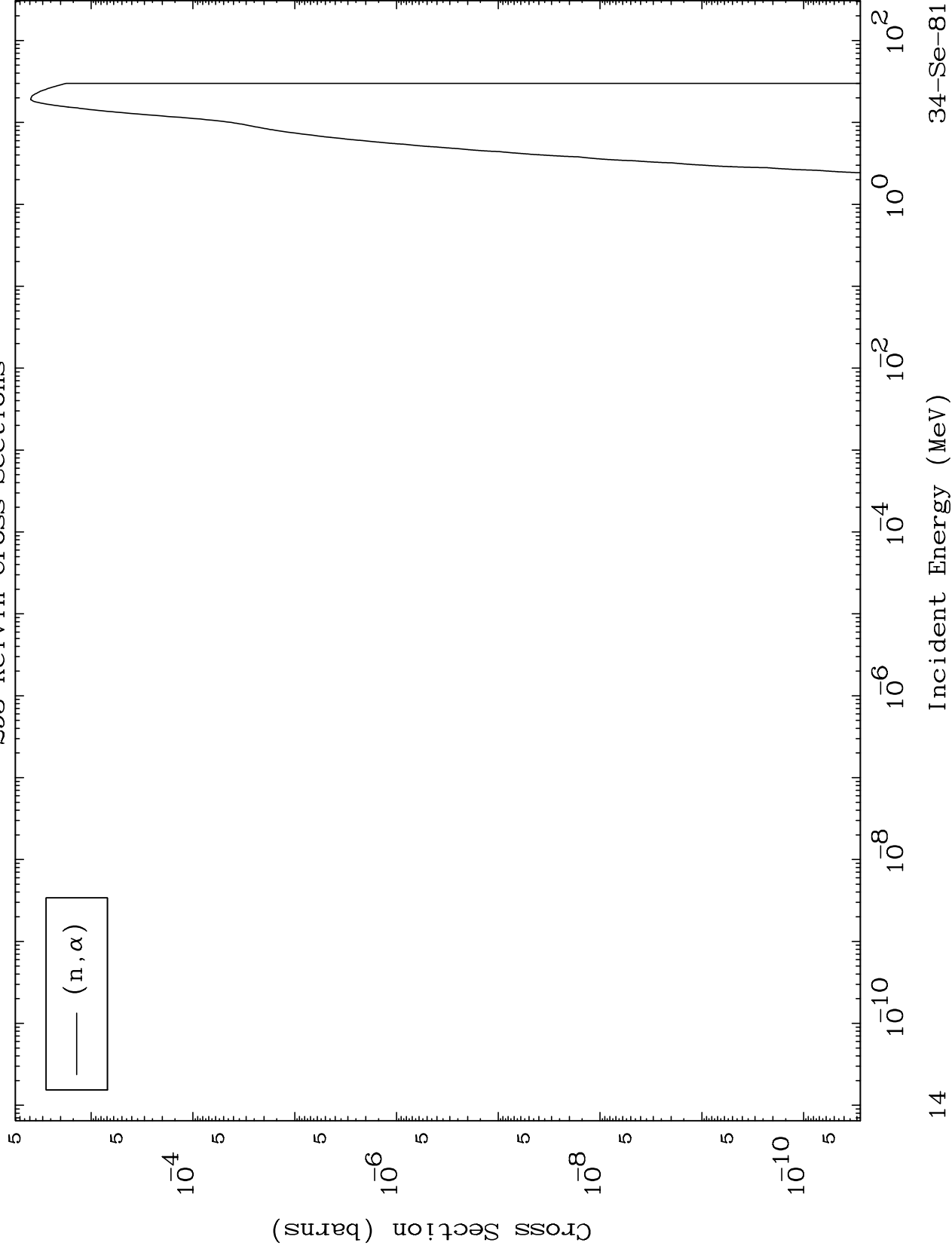
Incident Energy (MeV)

34-Se-81

MAT 3447

(n, α) Levels
293 Kelvin Cross Sections

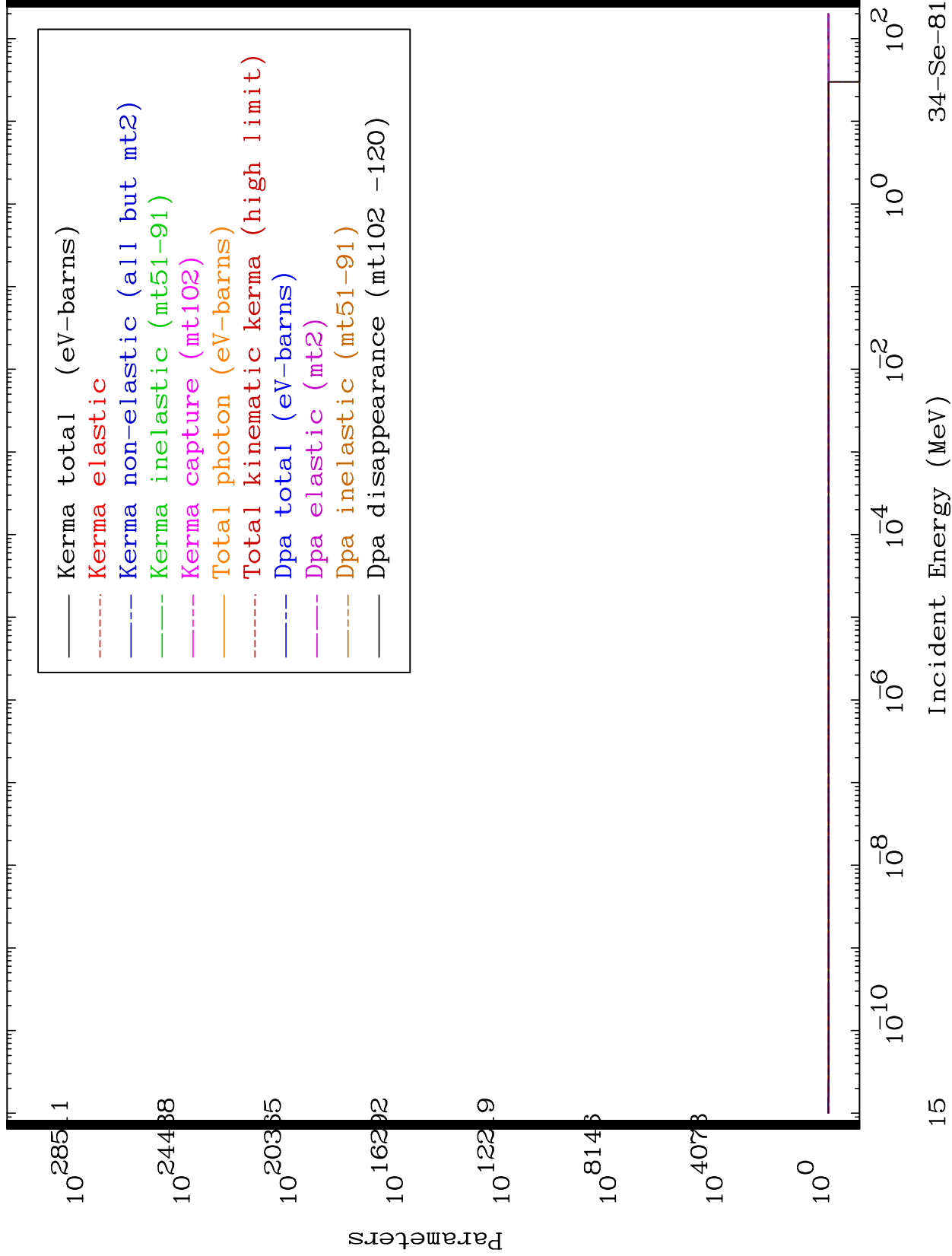
34-Se-81



14

Incident Energy (MeV)

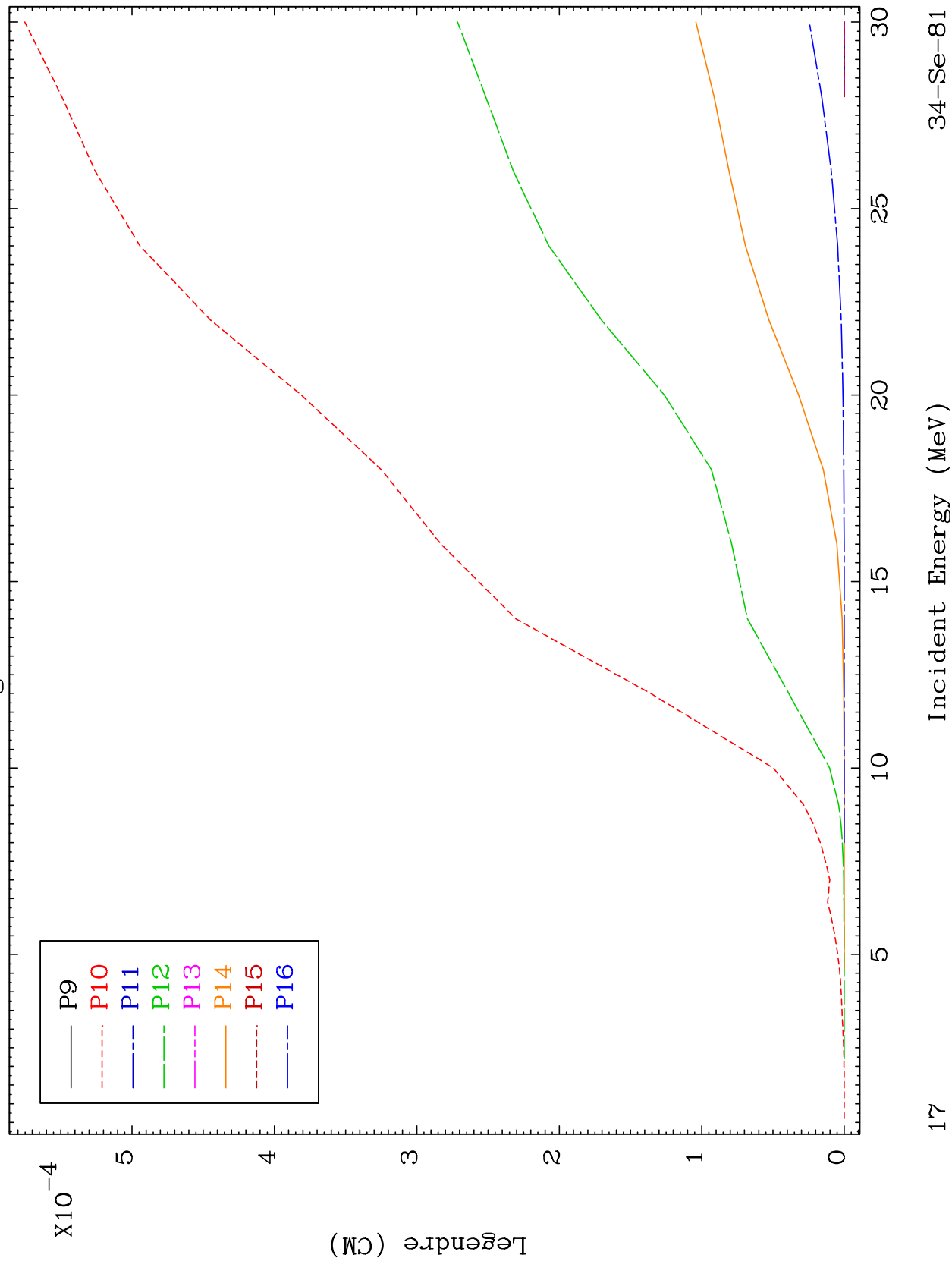
34-Se-81



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Elastic Legendre Coefficients

³⁴Se-81



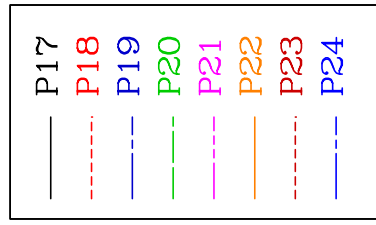
17

³⁴Se-81

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Elastic
Legendre Coefficients

³⁴Se-81



$\times 10^{-6}$

Legendre (CM)

1.5

1.0

0.5

0.0

18

Incident Energy (MeV)

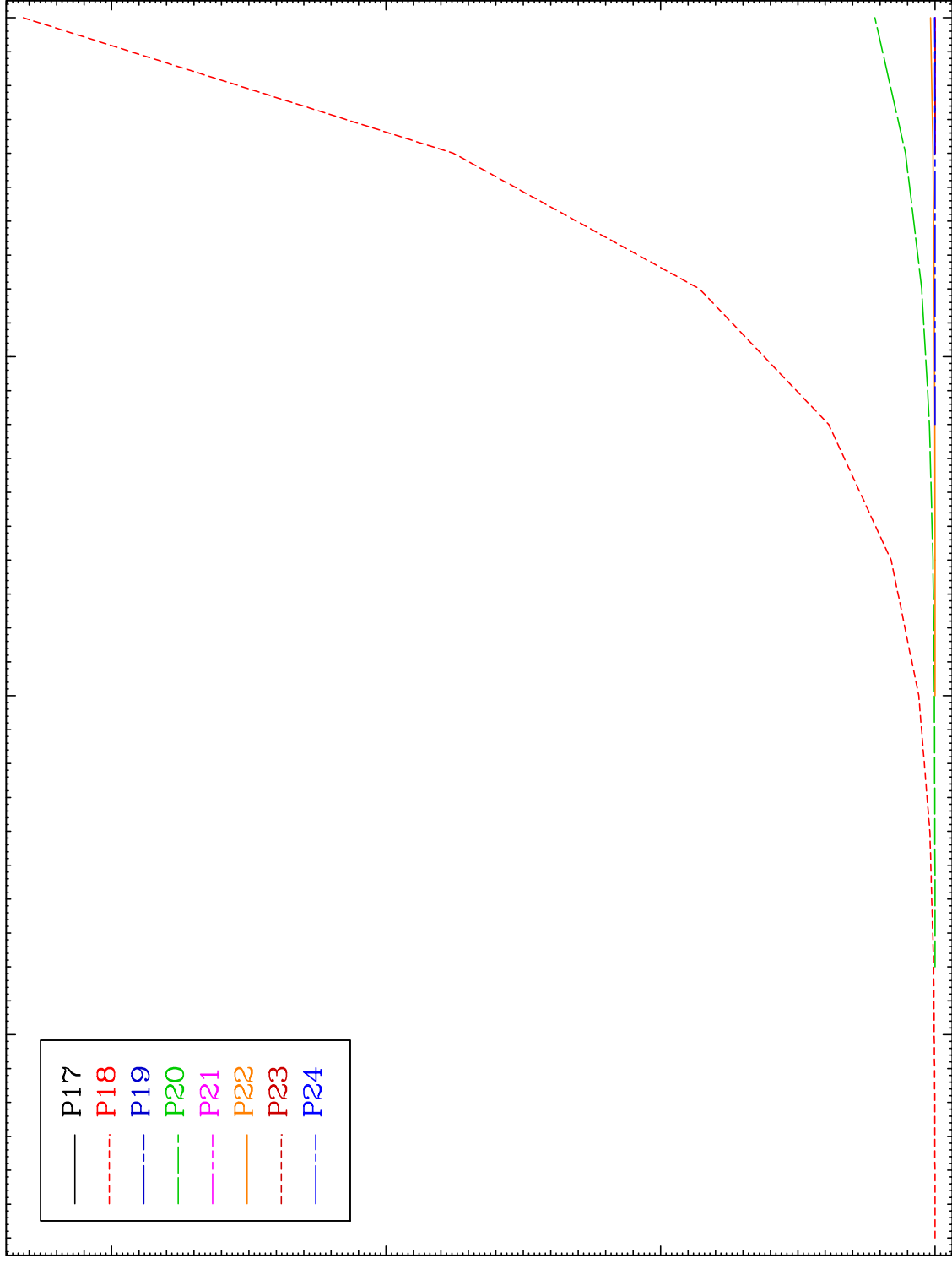
15

20

25

30

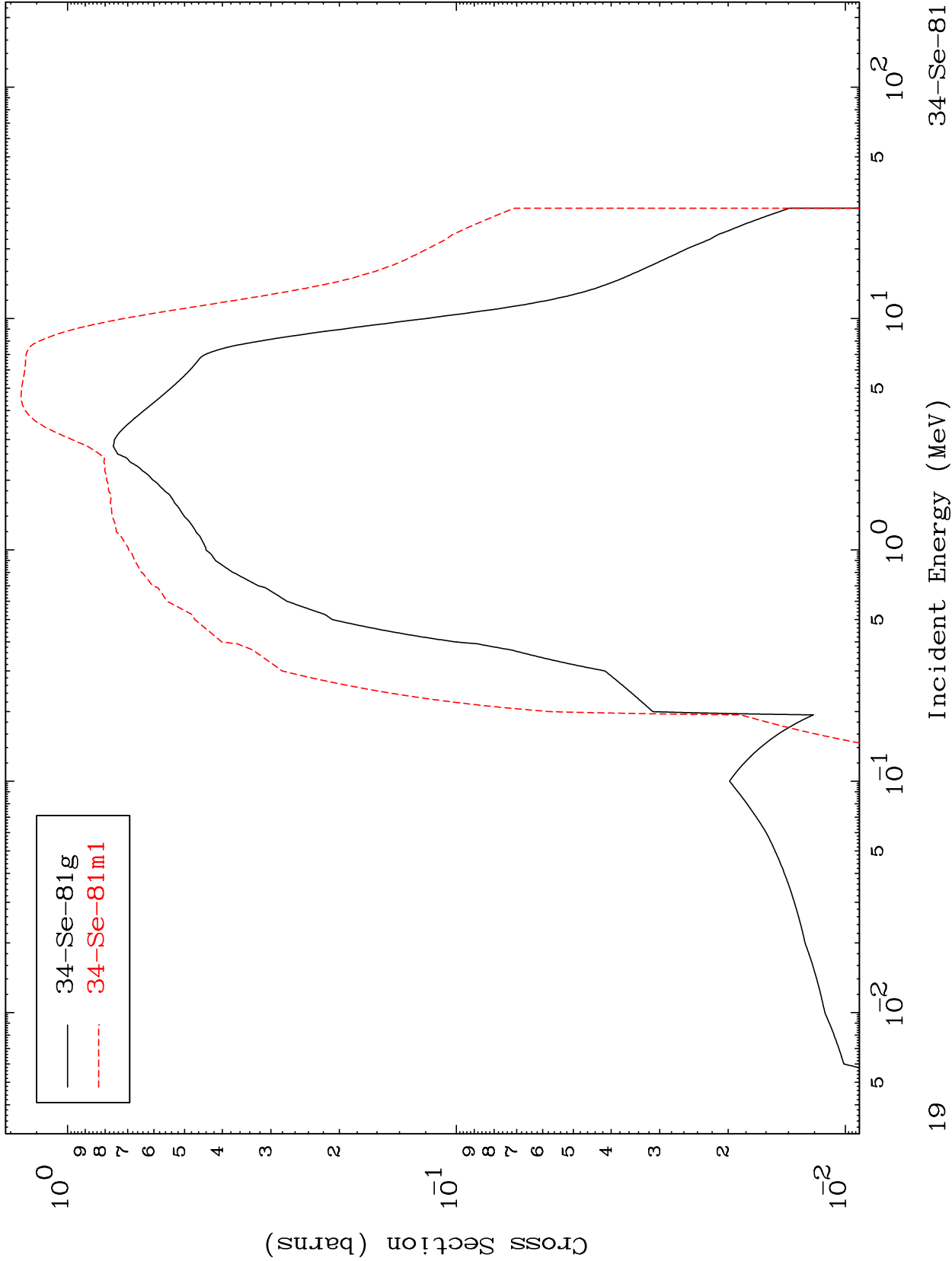
³⁴Se-81



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³⁴Se-81

Inelastic
Radionuclide Production Cross Section



19

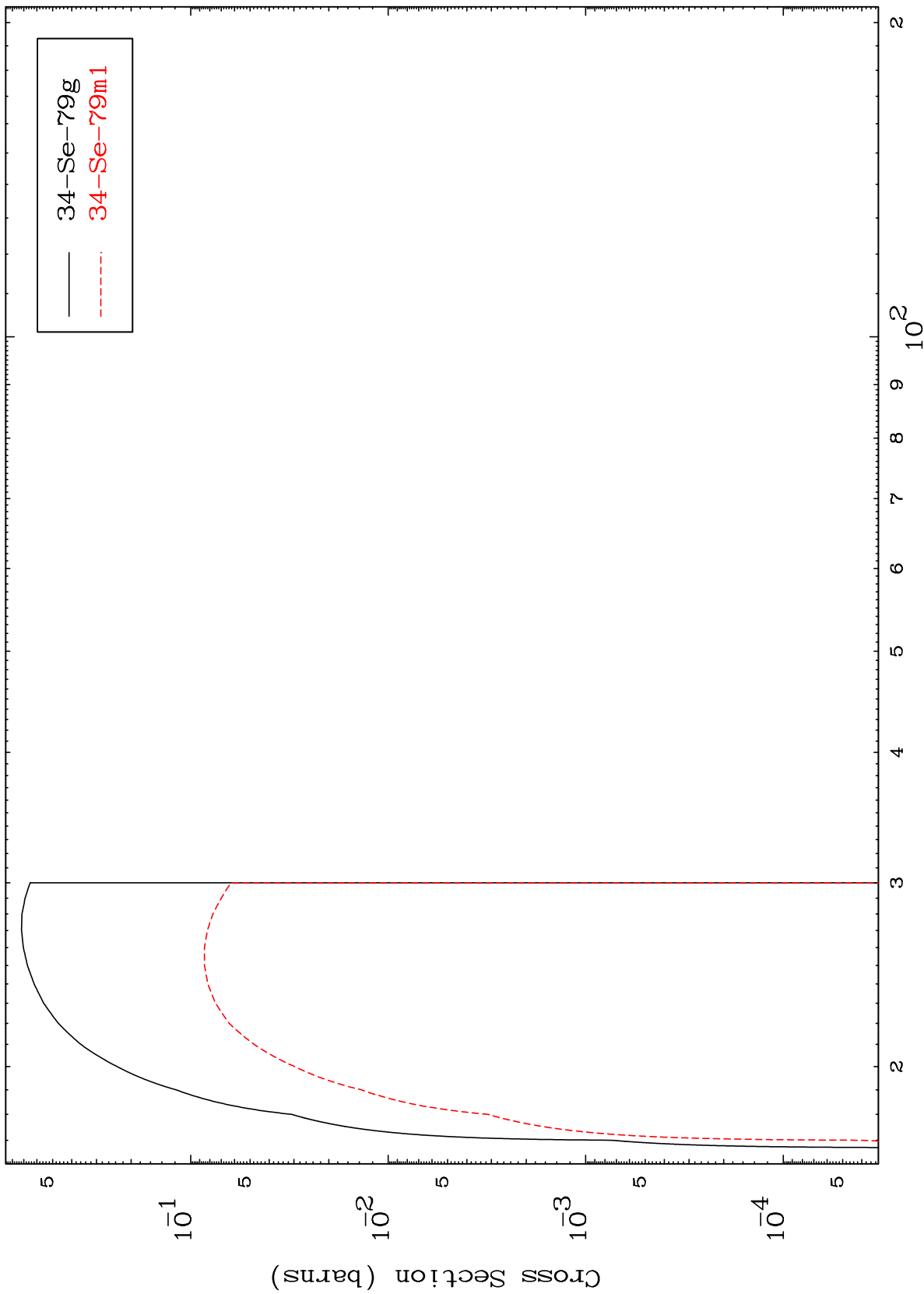
³⁴Se-81

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³⁴Se-81

(n,3n)

Radionuclide Production Cross Section



³⁴Se-81

Incident Energy (MeV)

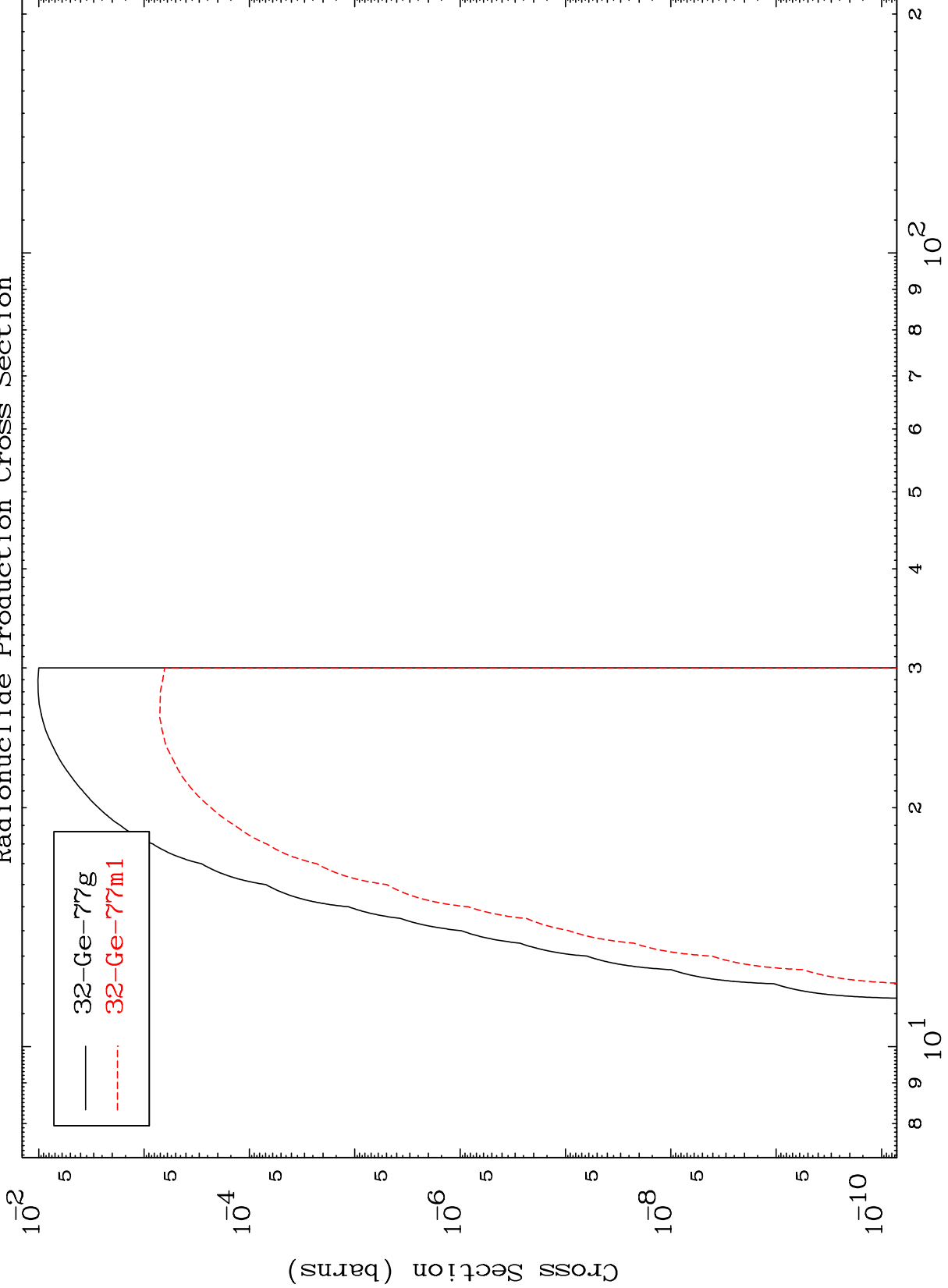
20

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$(n, n') \alpha$

$^{34}\text{Se-81}$

Radionuclide Production Cross Section

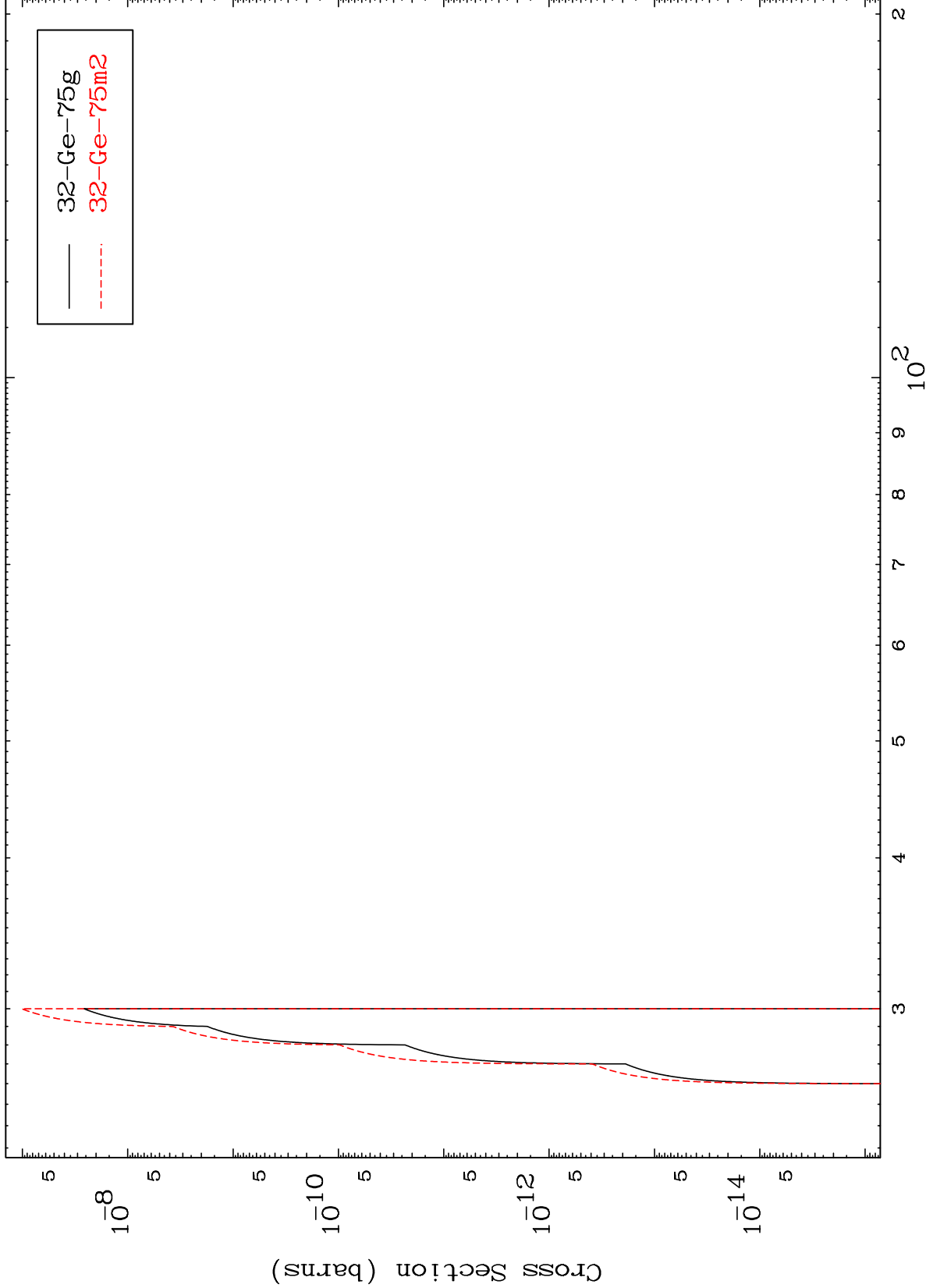


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(n,3n) α

34-Se-81

Radionuclide Production Cross Section



22

Incident Energy (MeV)

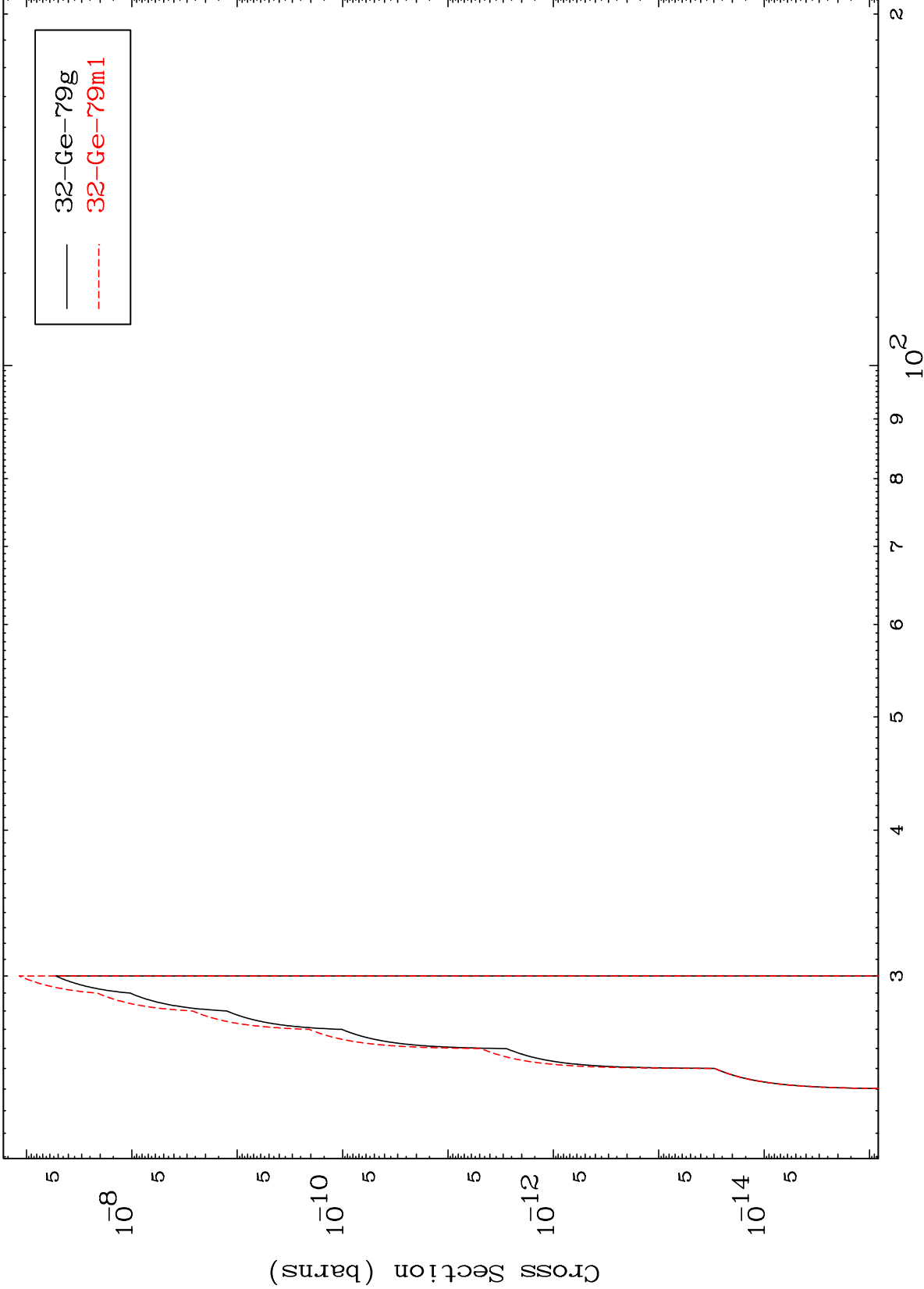
34-Se-81

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(n,2n) p

34-^{Se-81}

Radionuclide Production Cross Section



23

Incident Energy (MeV)

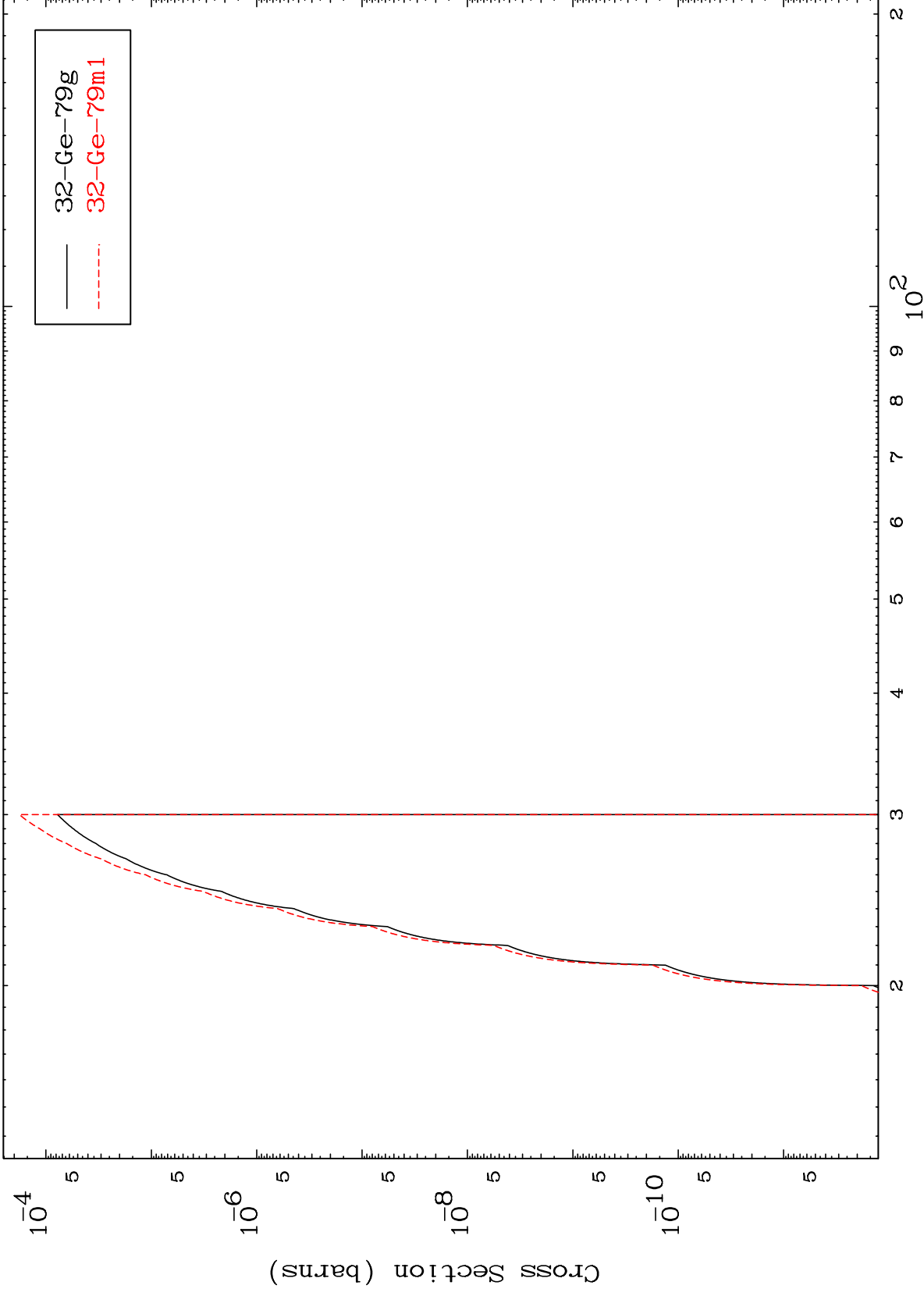
34-^{Se-81}

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(n,He-3)

34-Se-81

Radionuclide Production Cross Section



24

Incident Energy (MeV)

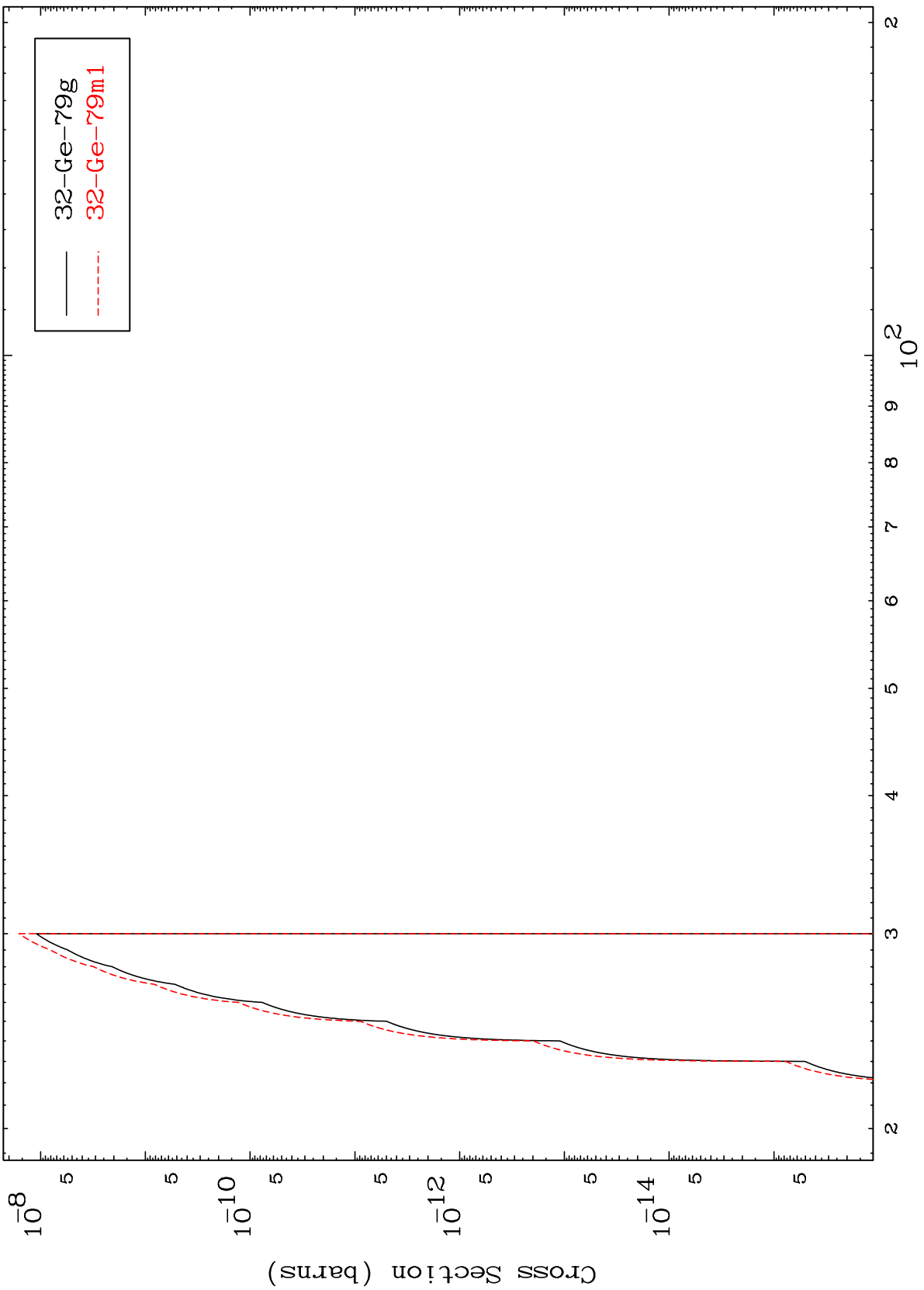
34-Se-81

MAT 3447

(n,p) d

³⁴Se-81

Radionuclide Production Cross Section



— 32-Ge-79g
- - - 32-Ge-79m1

25

Incident Energy (MeV)

³⁴Se-81