

Program EVALPLOT
(Version 2018-1)

by

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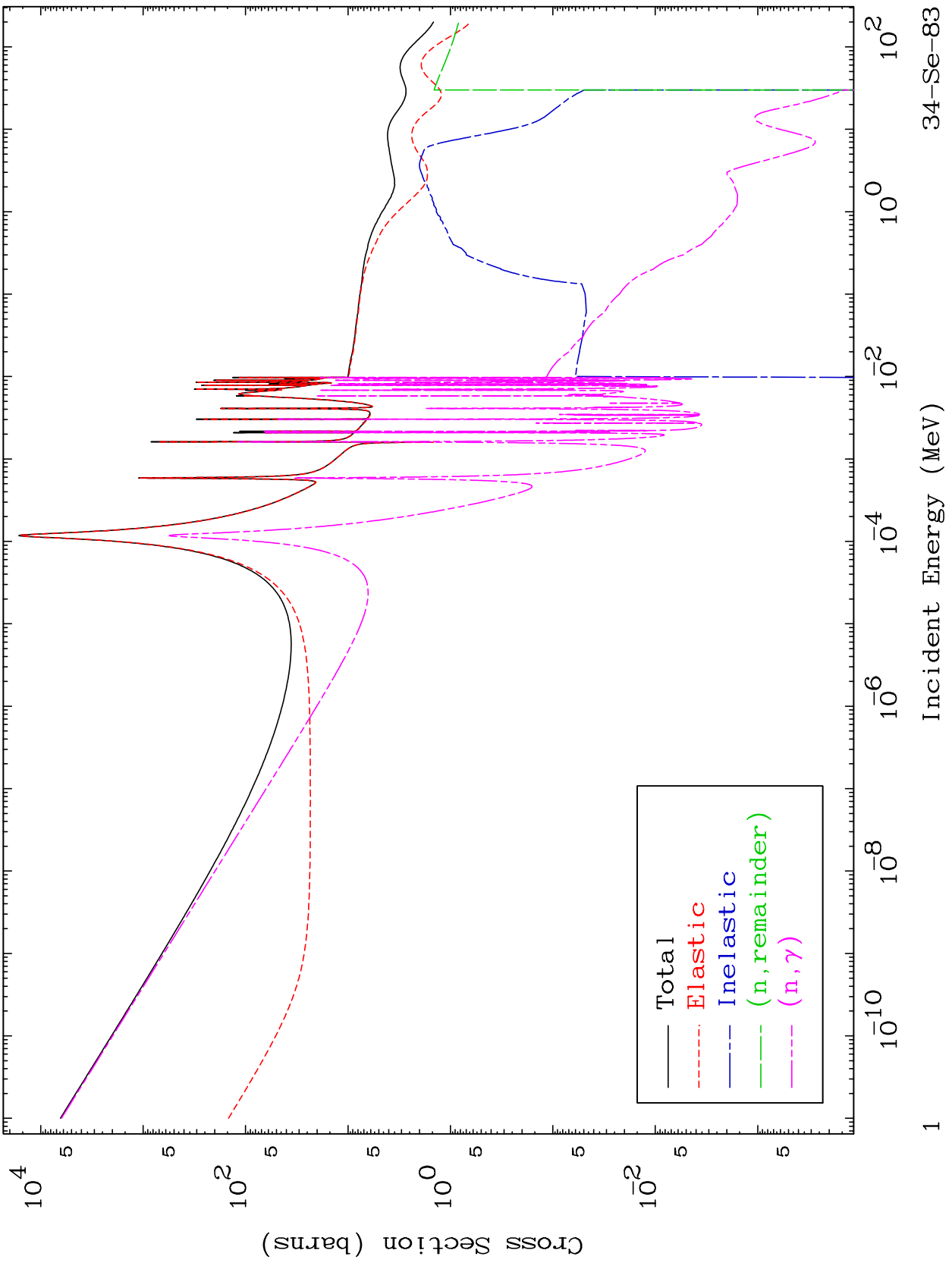
Press Mouse Button to Start

MAT 3453

Major

293 Kelvin Cross Sections

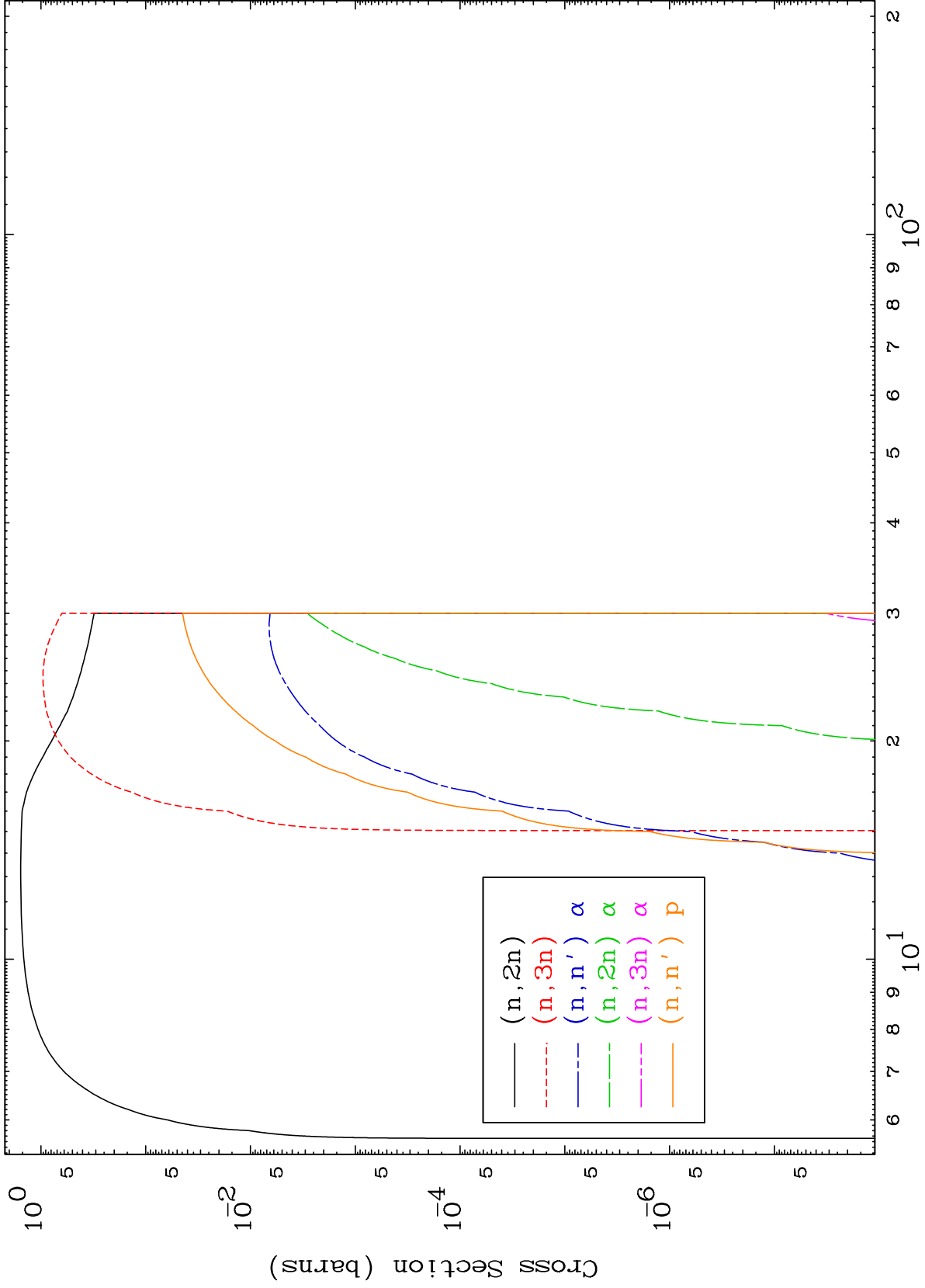
34-Se-83



MAT 3453

Neutron Production
293 Kelvin Cross Sections

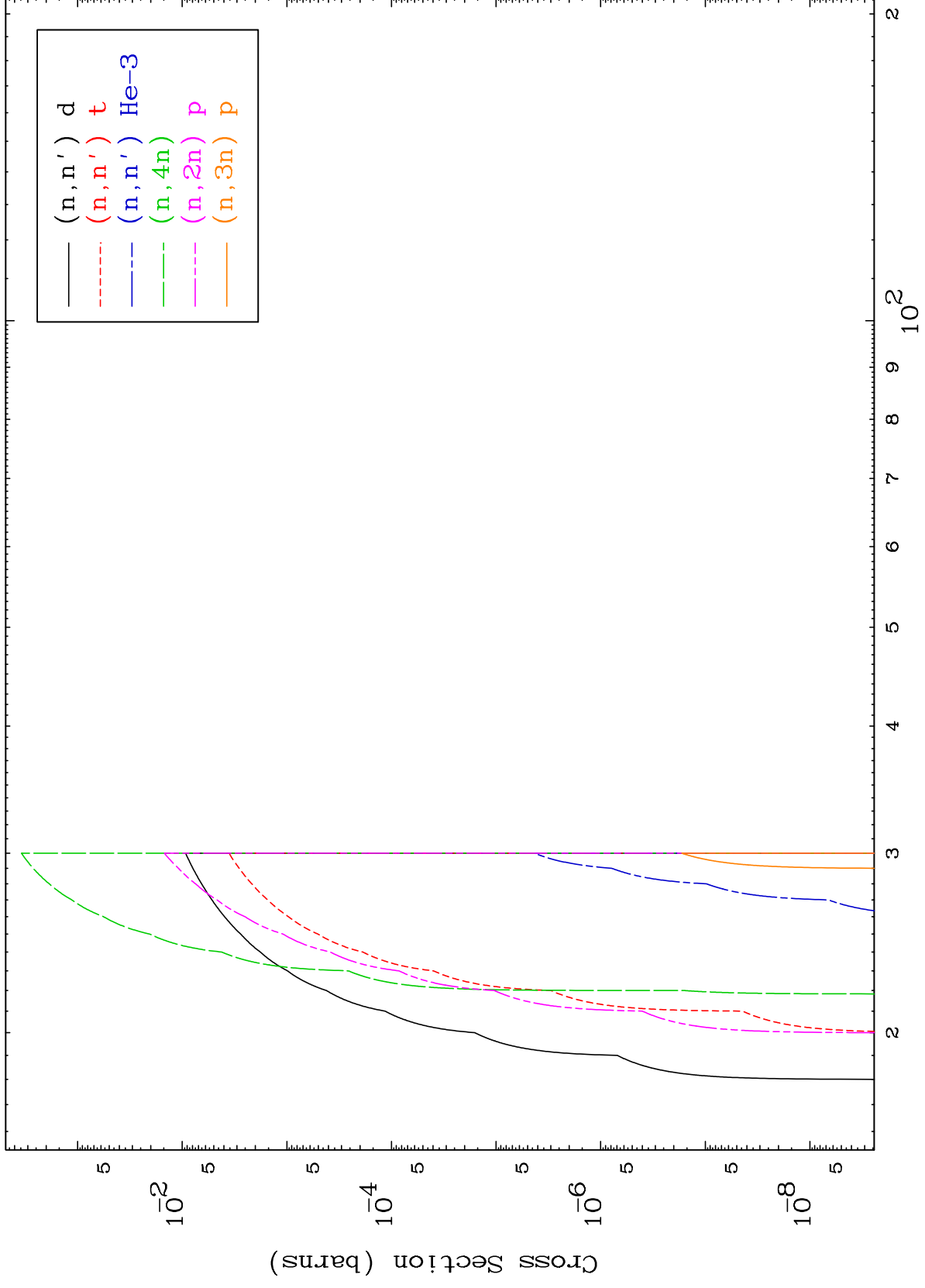
³⁴Se-83

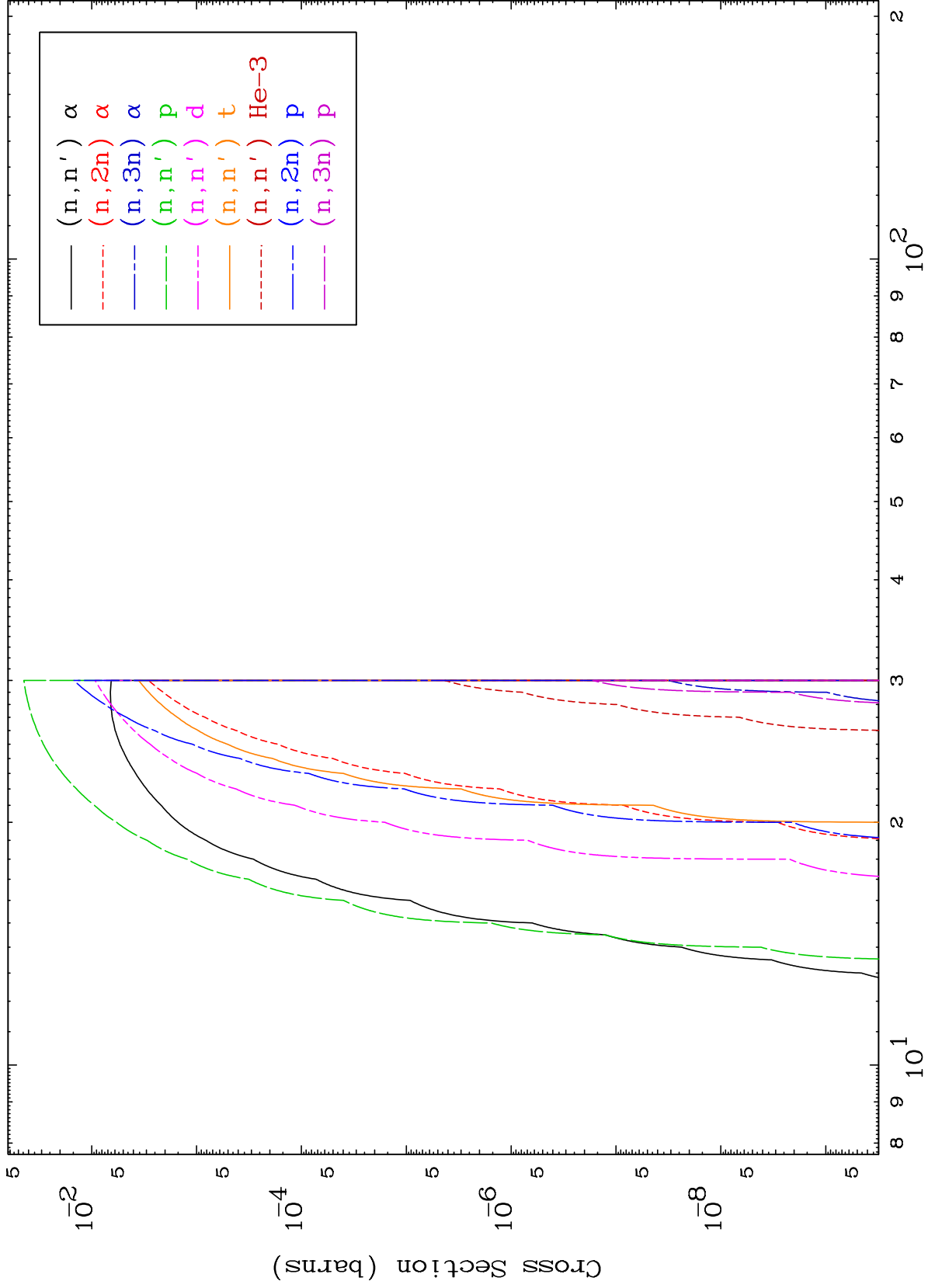


2

Incident Energy (MeV)

³⁴Se-83

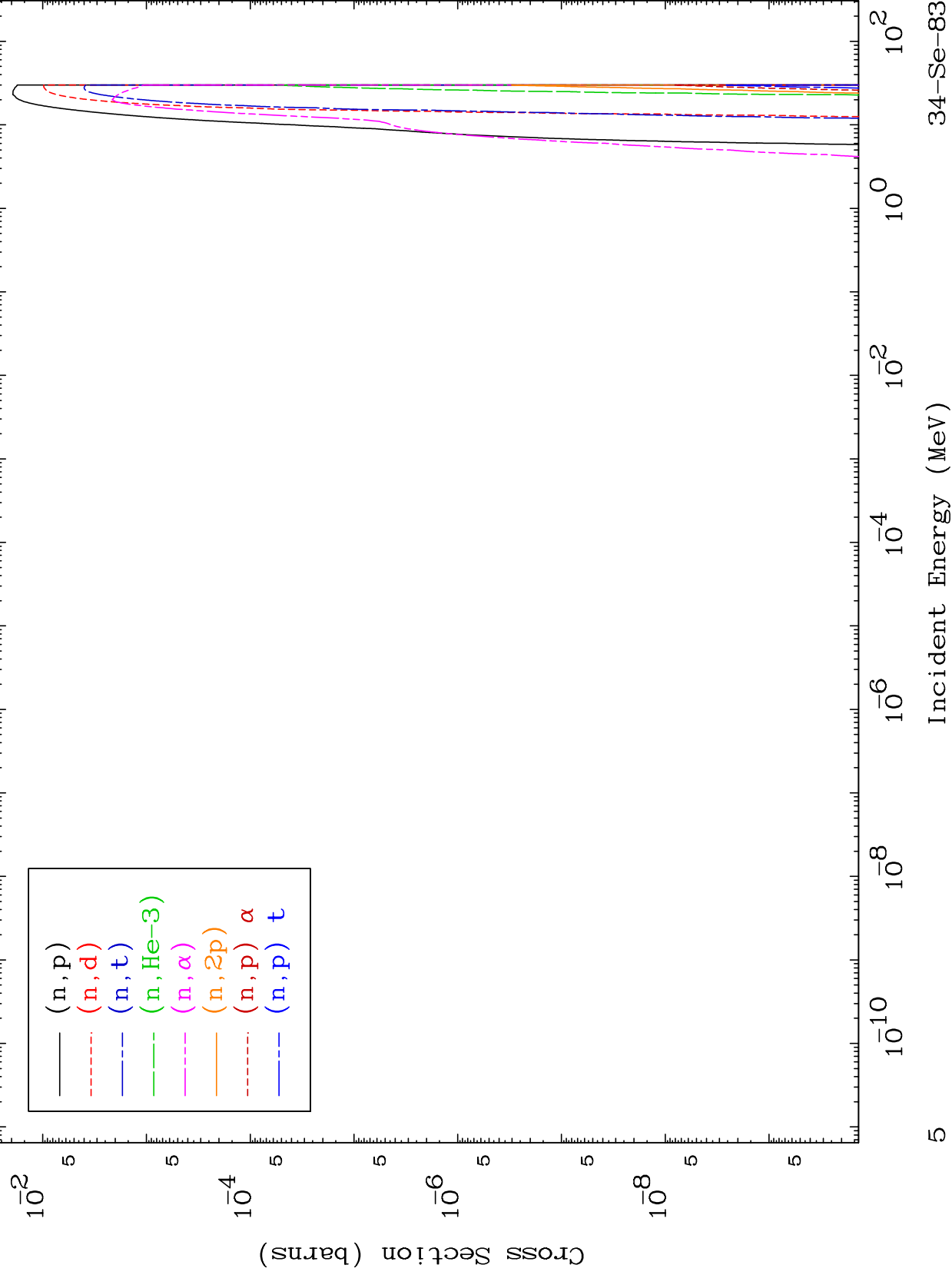




MAT 3453

Charged Particle
293 Kelvin Cross Sections

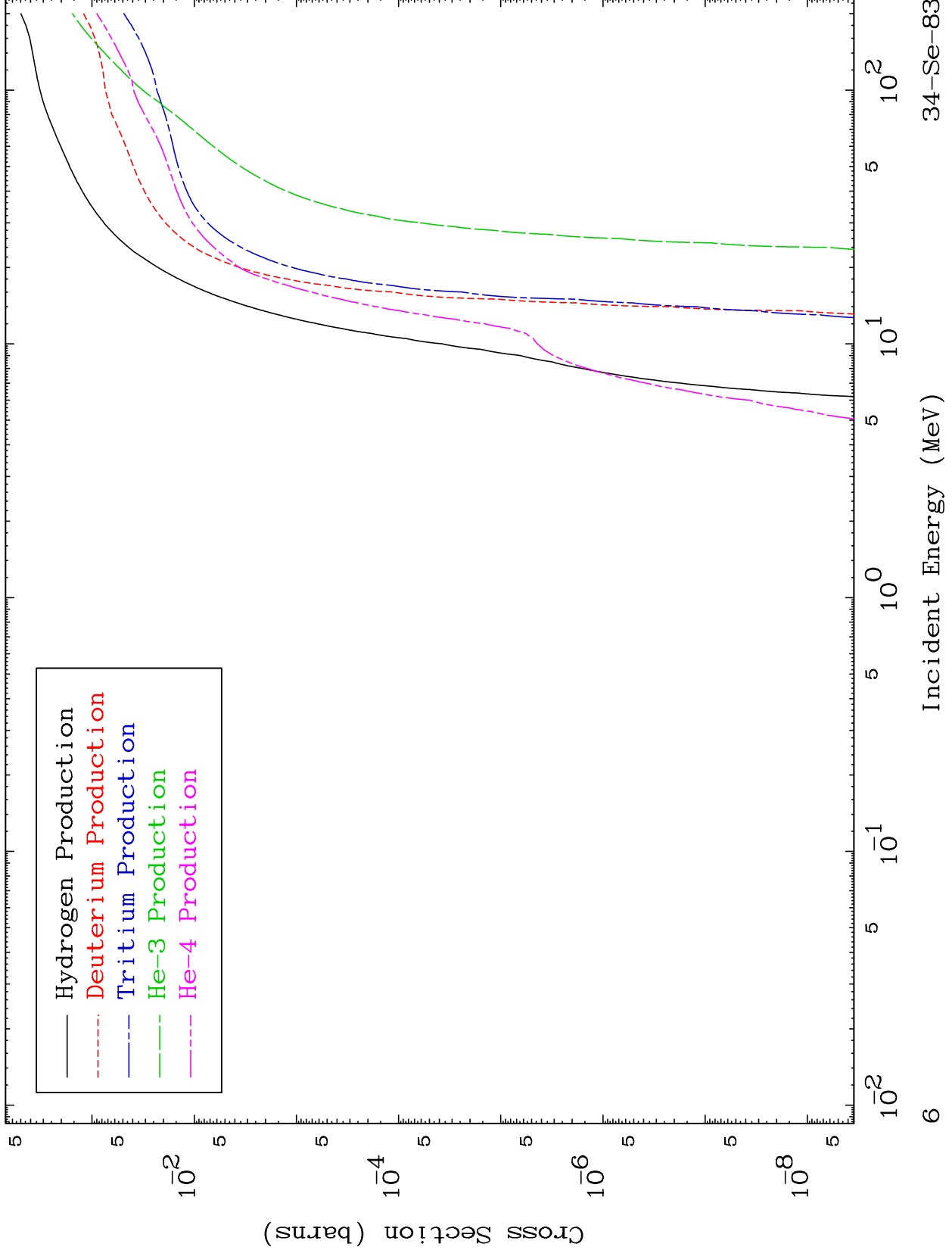
34-Se-83



MAT 3453

Particle Production
293 Kelvin Cross Sections

³⁴Se-83



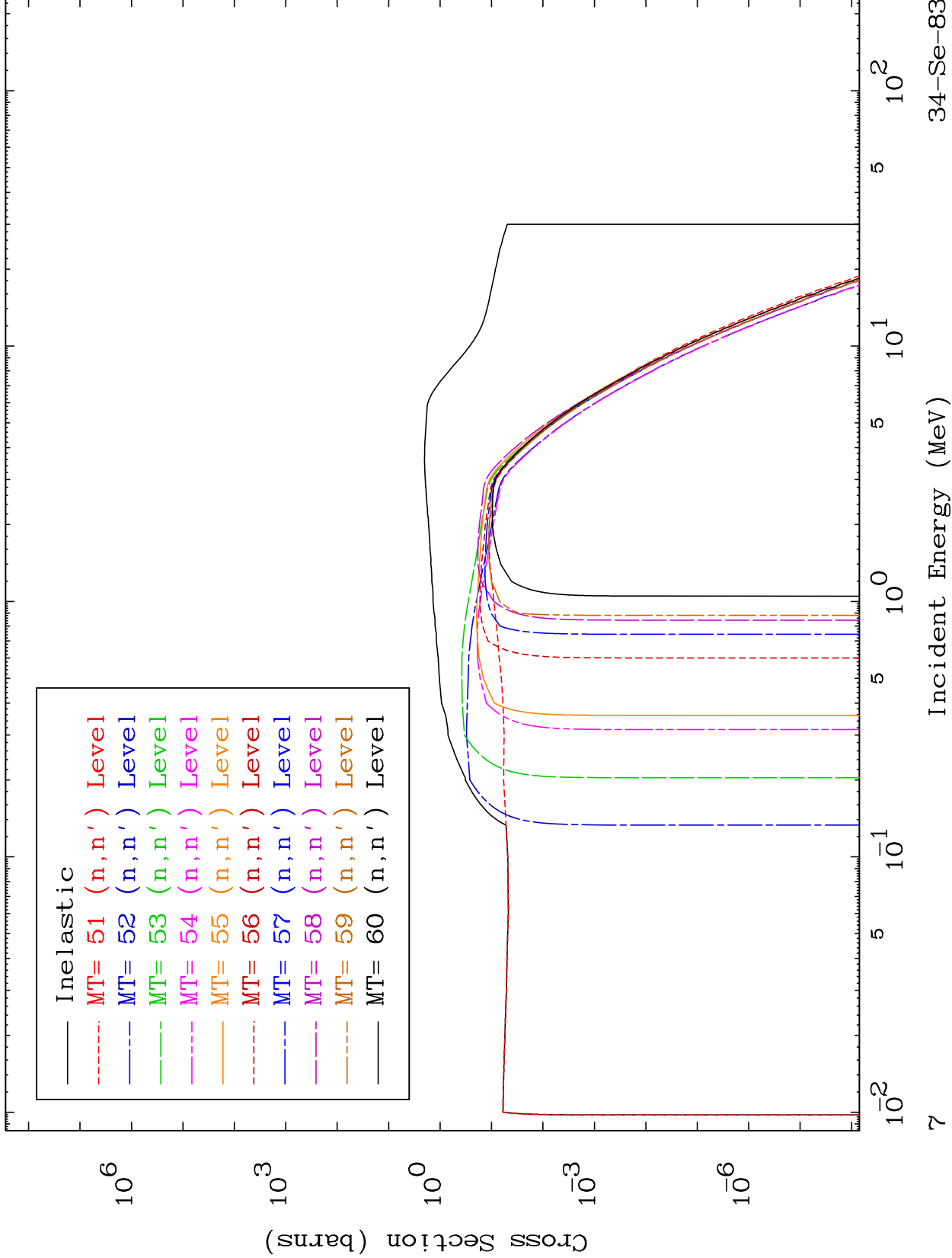
³⁴Se-83

MAT 3453

(n,n') Level

34-Se-83

293 Kelvin Cross Sections

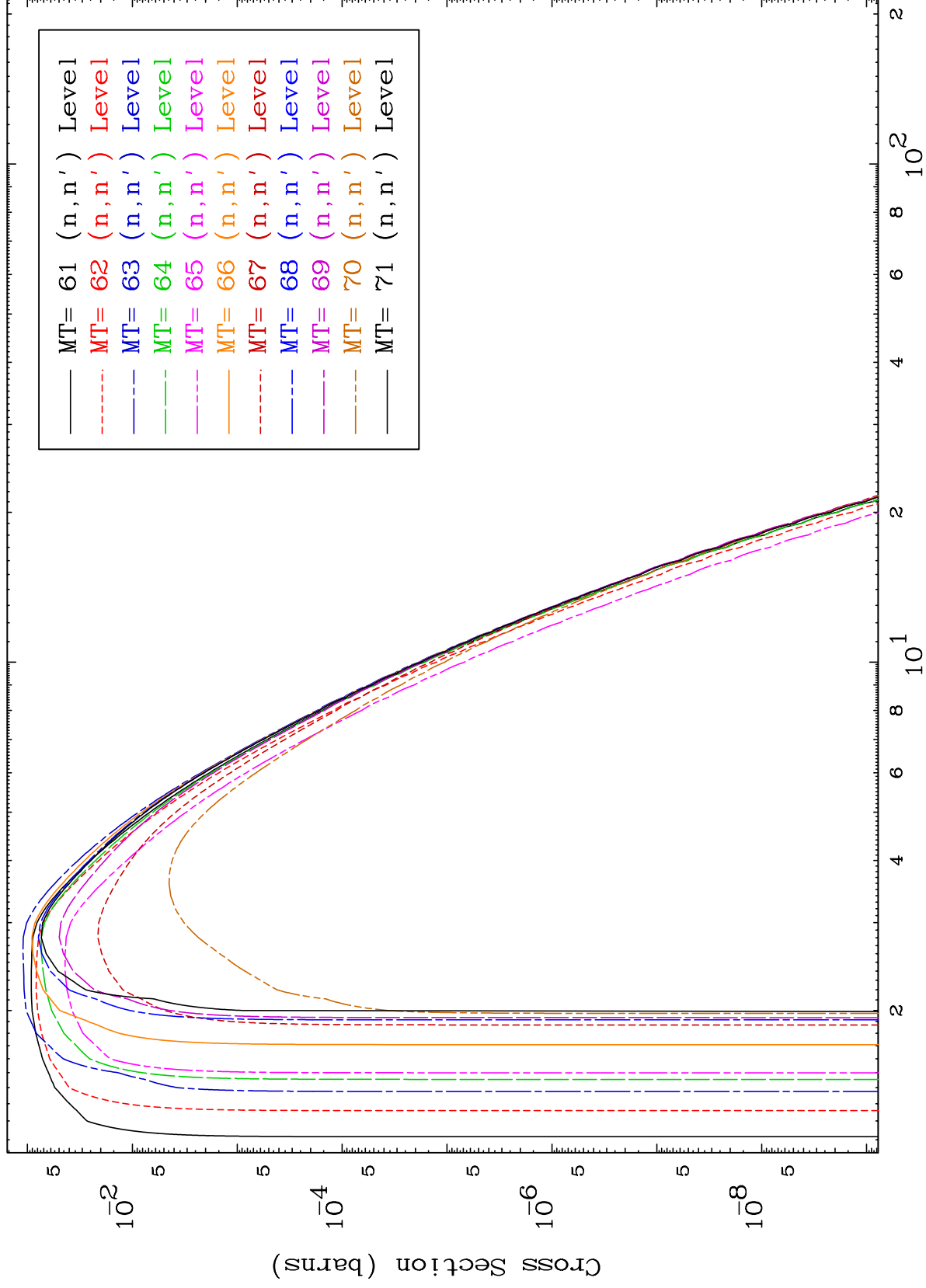


MAT 3453

(n,n') Level

34-Se-83

293 Kelvin Cross Sections



8

Incident Energy (MeV)

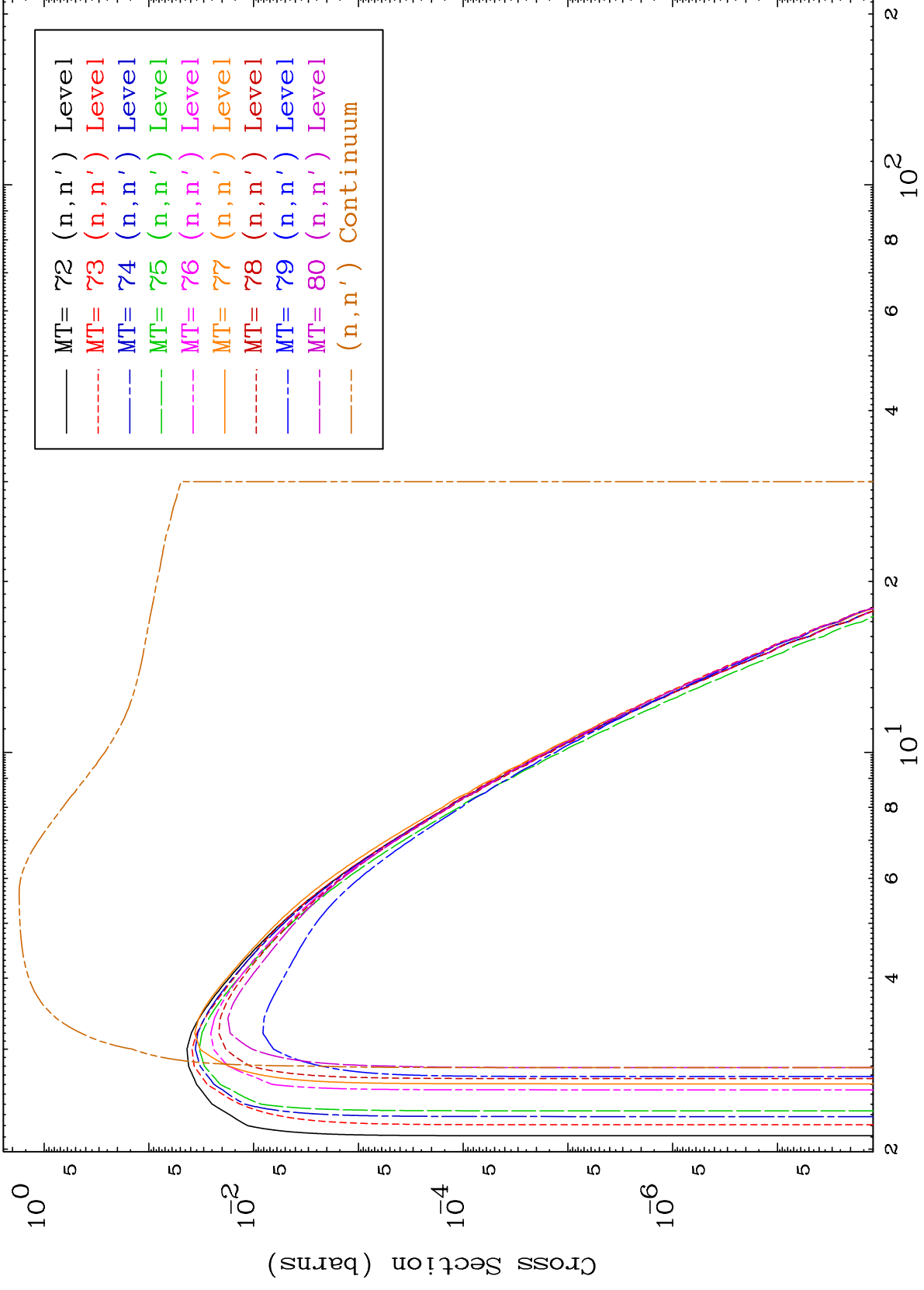
34-Se-83

MAT 3453

(n,n') Level

34-Se-83

293 Kelvin Cross Sections



9

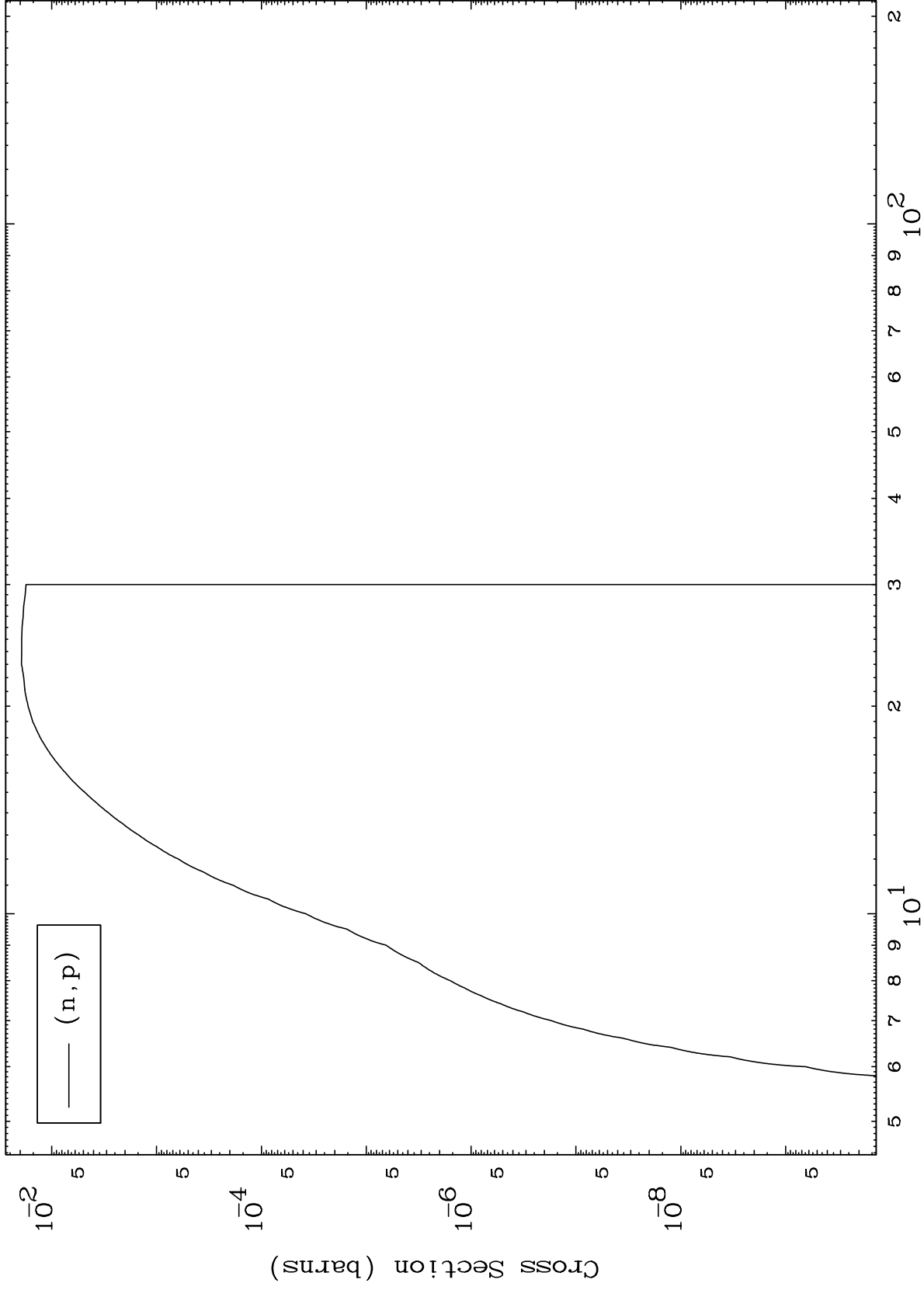
Incident Energy (MeV)

34-Se-83

MAT 3453

(n,p) Levels
293 Kelvin Cross Sections

34-Se-83



10

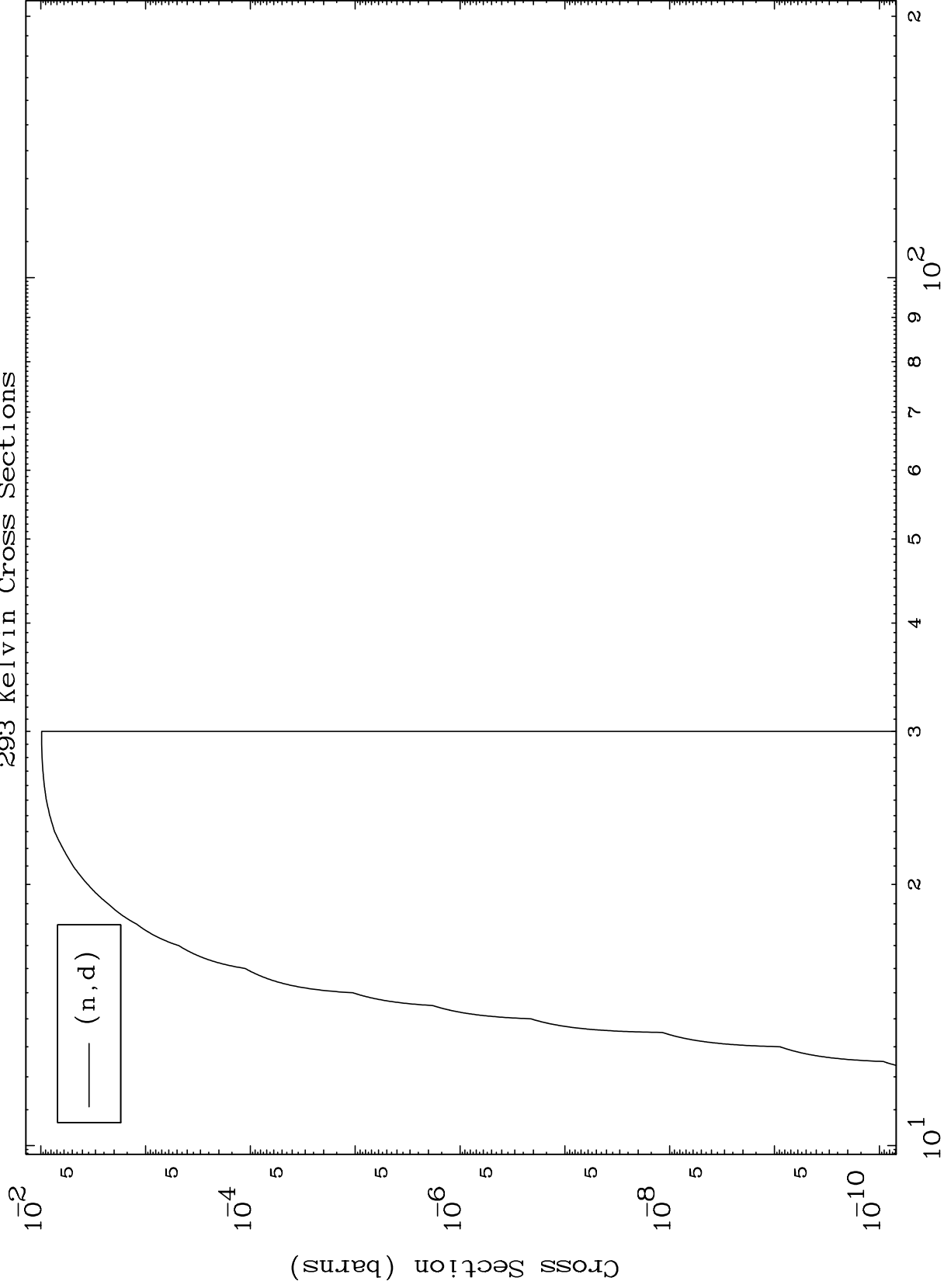
Incident Energy (MeV)

34-Se-83

MAT 3453

(n,d) Levels
293 Kelvin Cross Sections

³⁴Se-83



³⁴Se-83

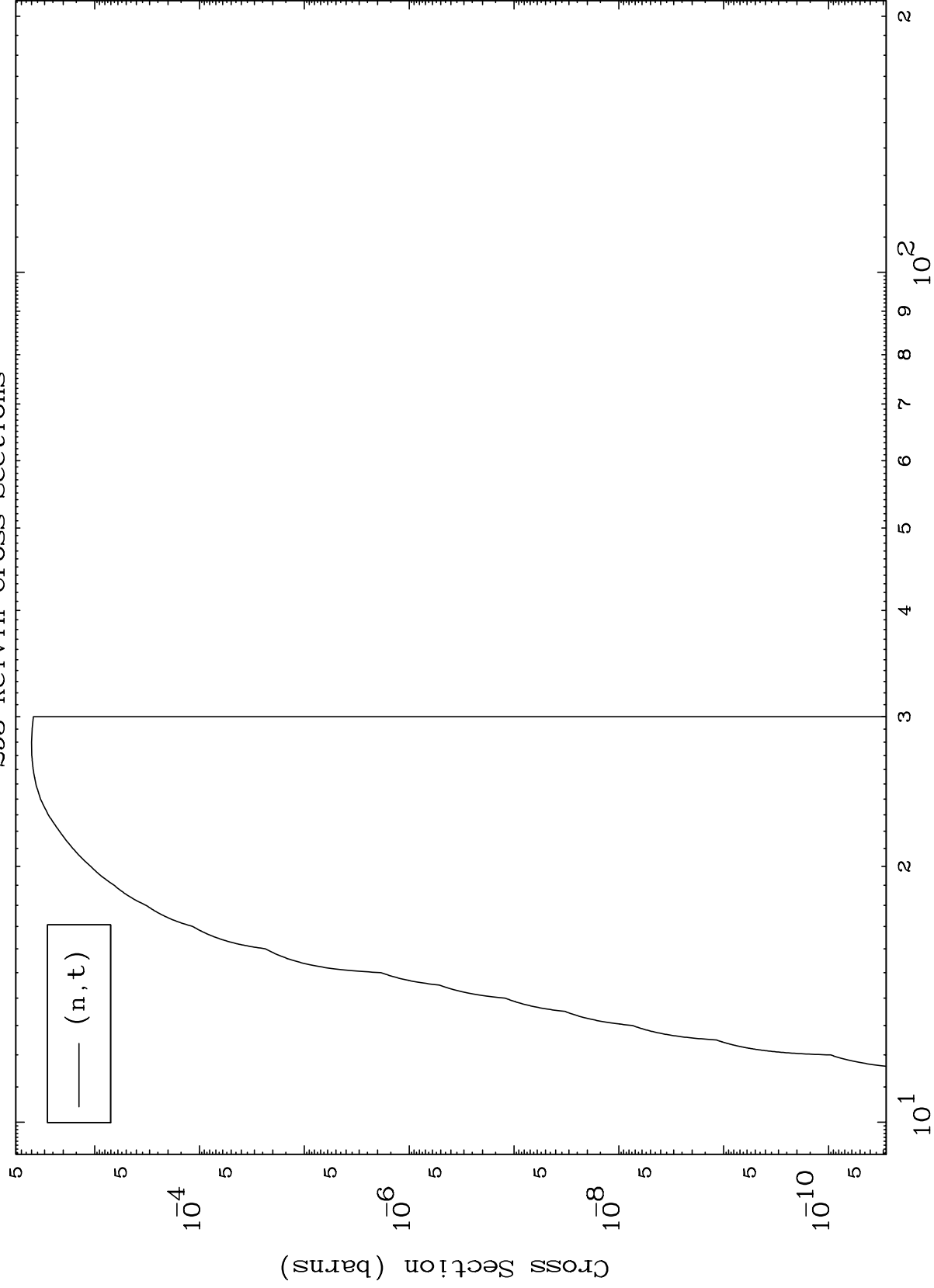
Incident Energy (MeV)

11

MAT 3453

(n,t) Levels
293 Kelvin Cross Sections

³⁴Se-83



Incident Energy (MeV)

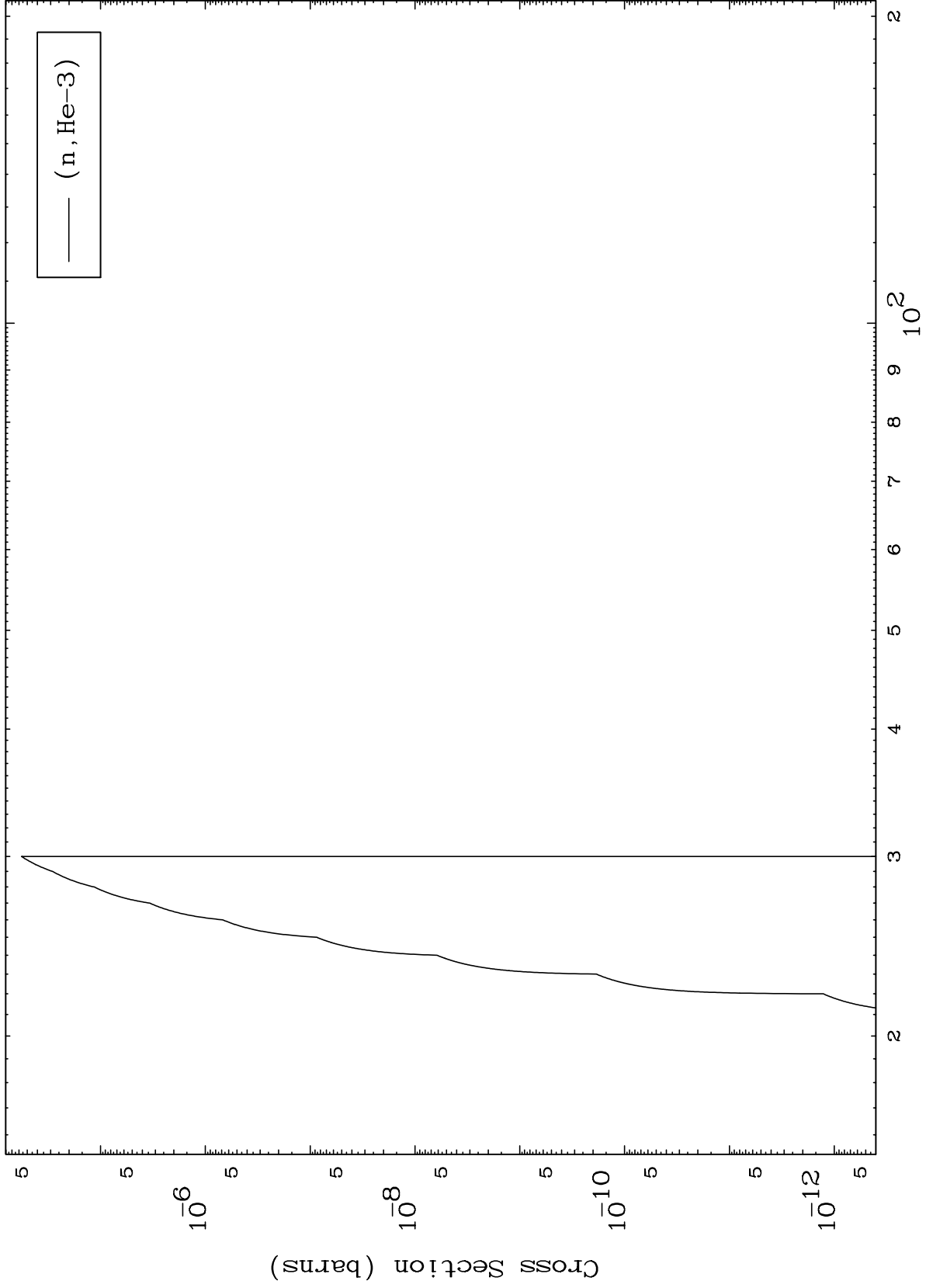
³⁴Se-83

12

MAT 3453

(n,He3) Levels
293 Kelvin Cross Sections

34-Se-83



13

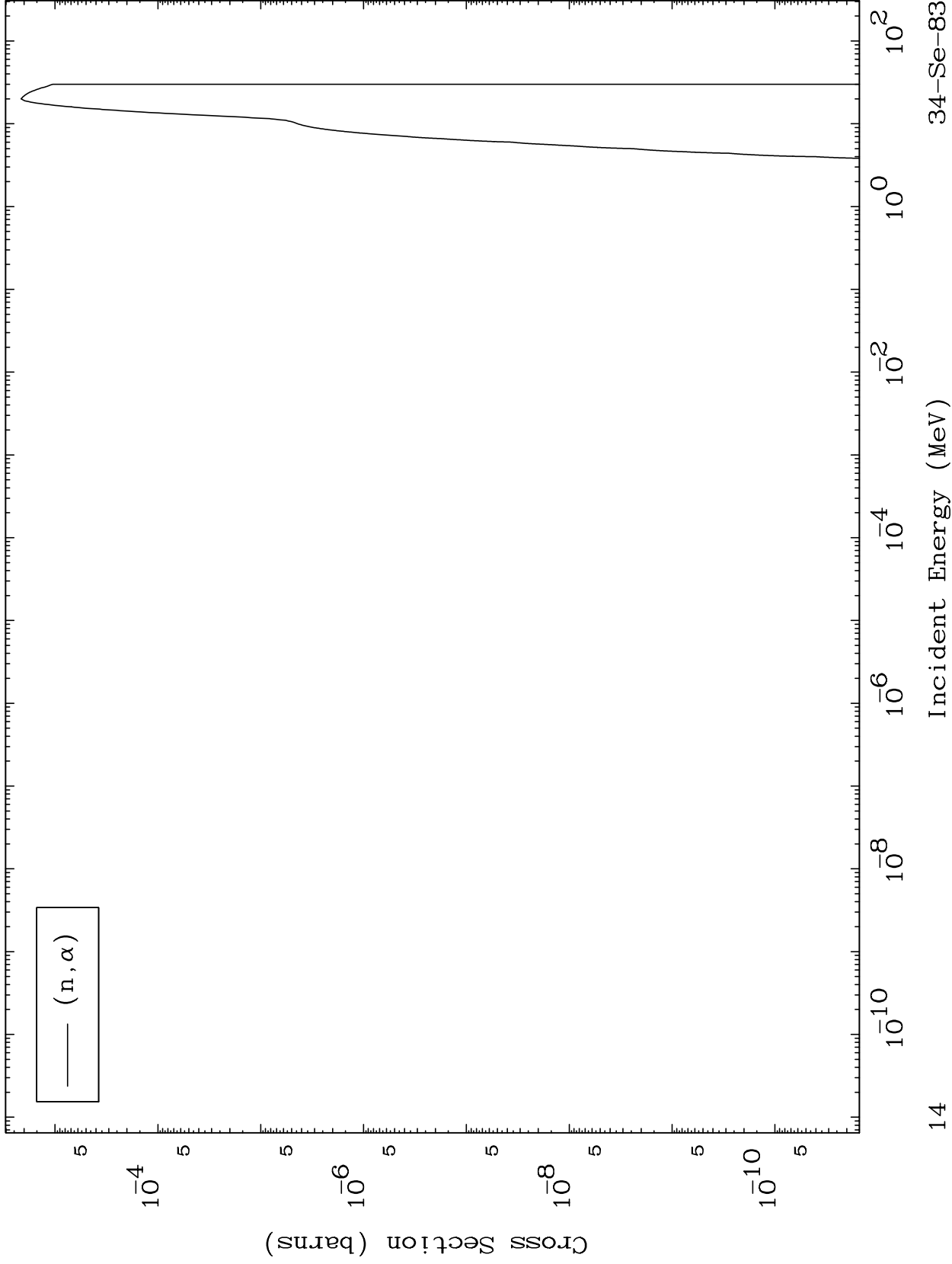
Incident Energy (MeV)

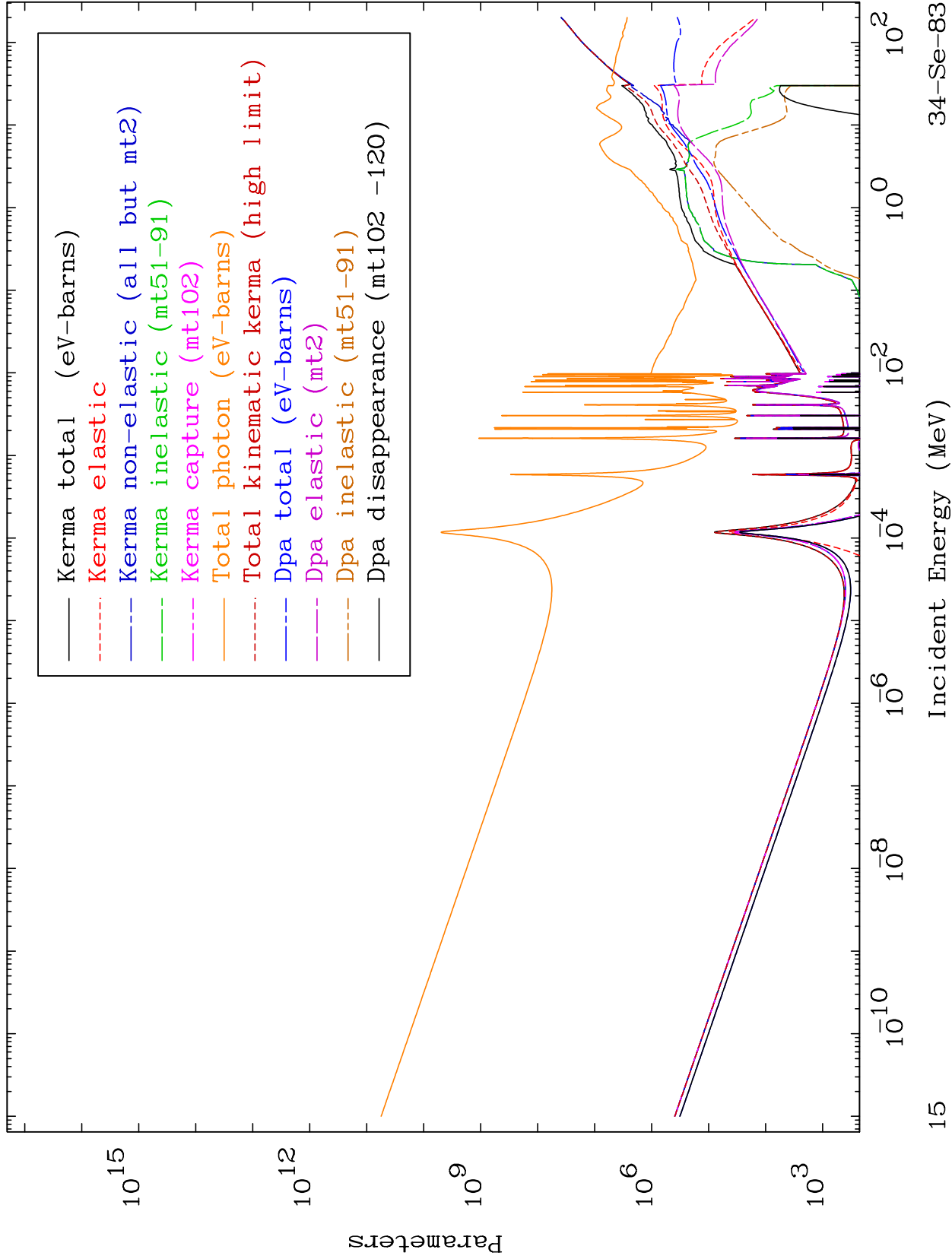
34-Se-83

MAT 3453

(n, α) Levels
293 Kelvin Cross Sections

34-Se-83

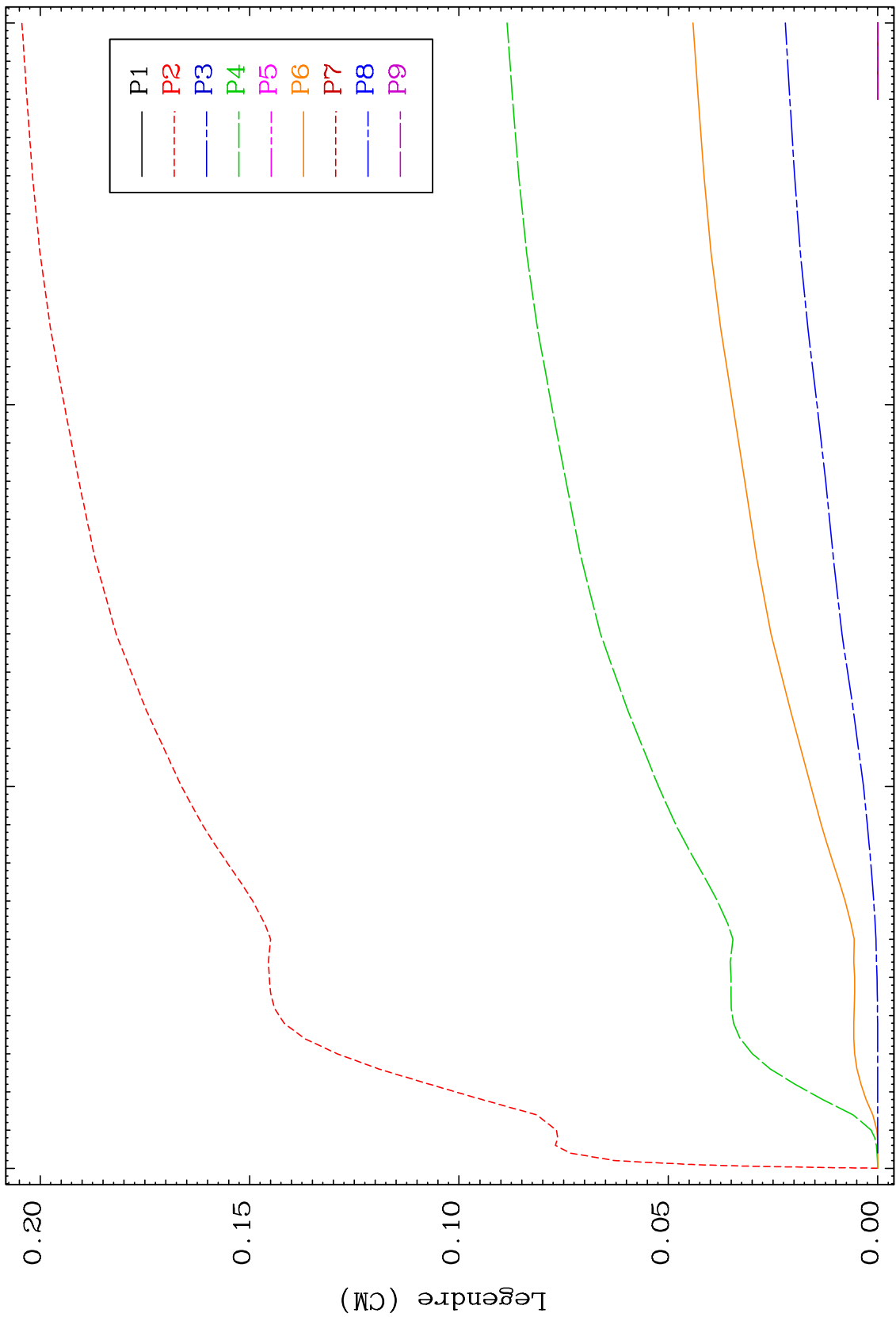




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Elastic Legendre Coefficients

³⁴Se-83



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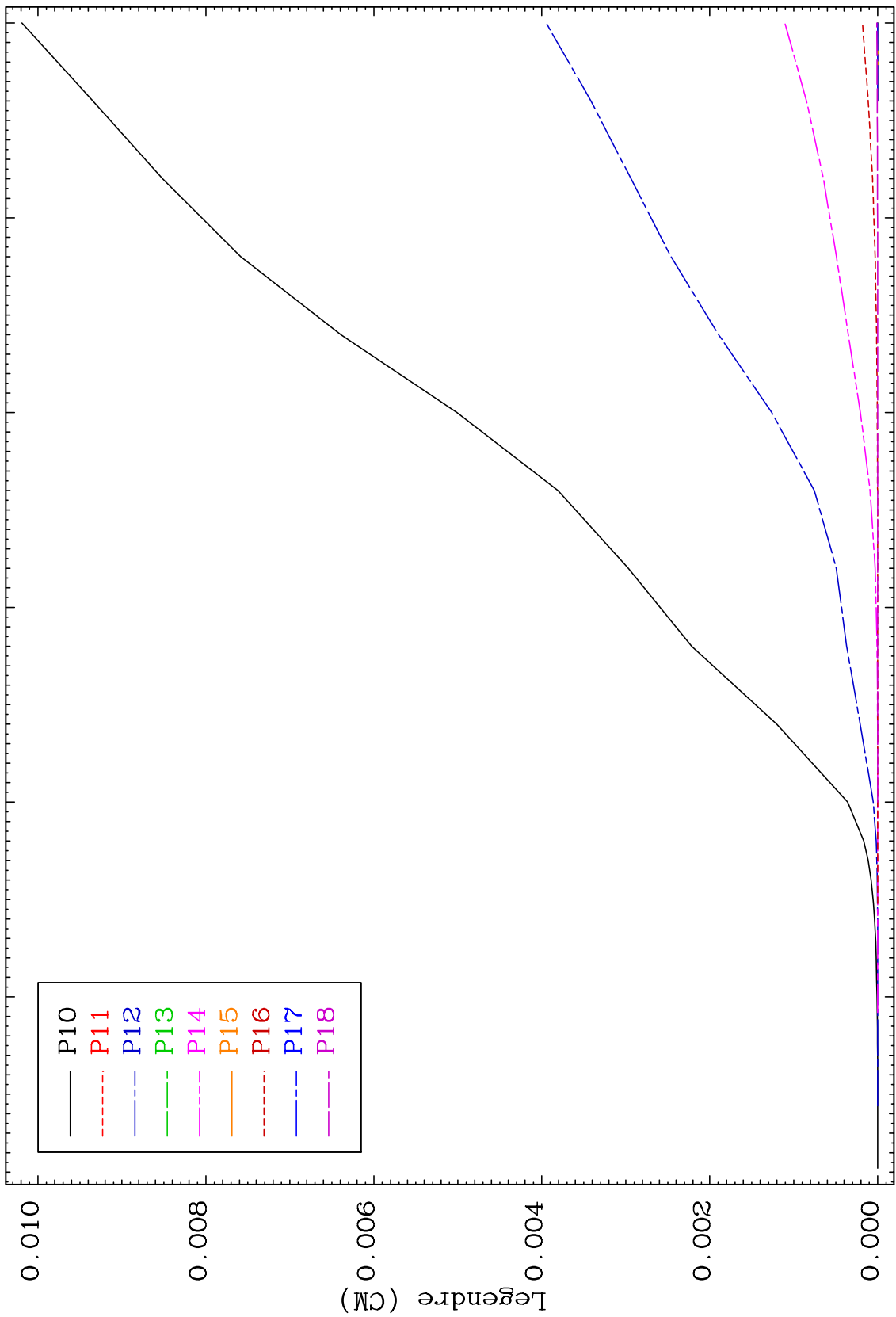
Incident Energy (MeV)

³⁴Se-83

MAT 3453

Elastic Legendre Coefficients

³⁴Se-83



17

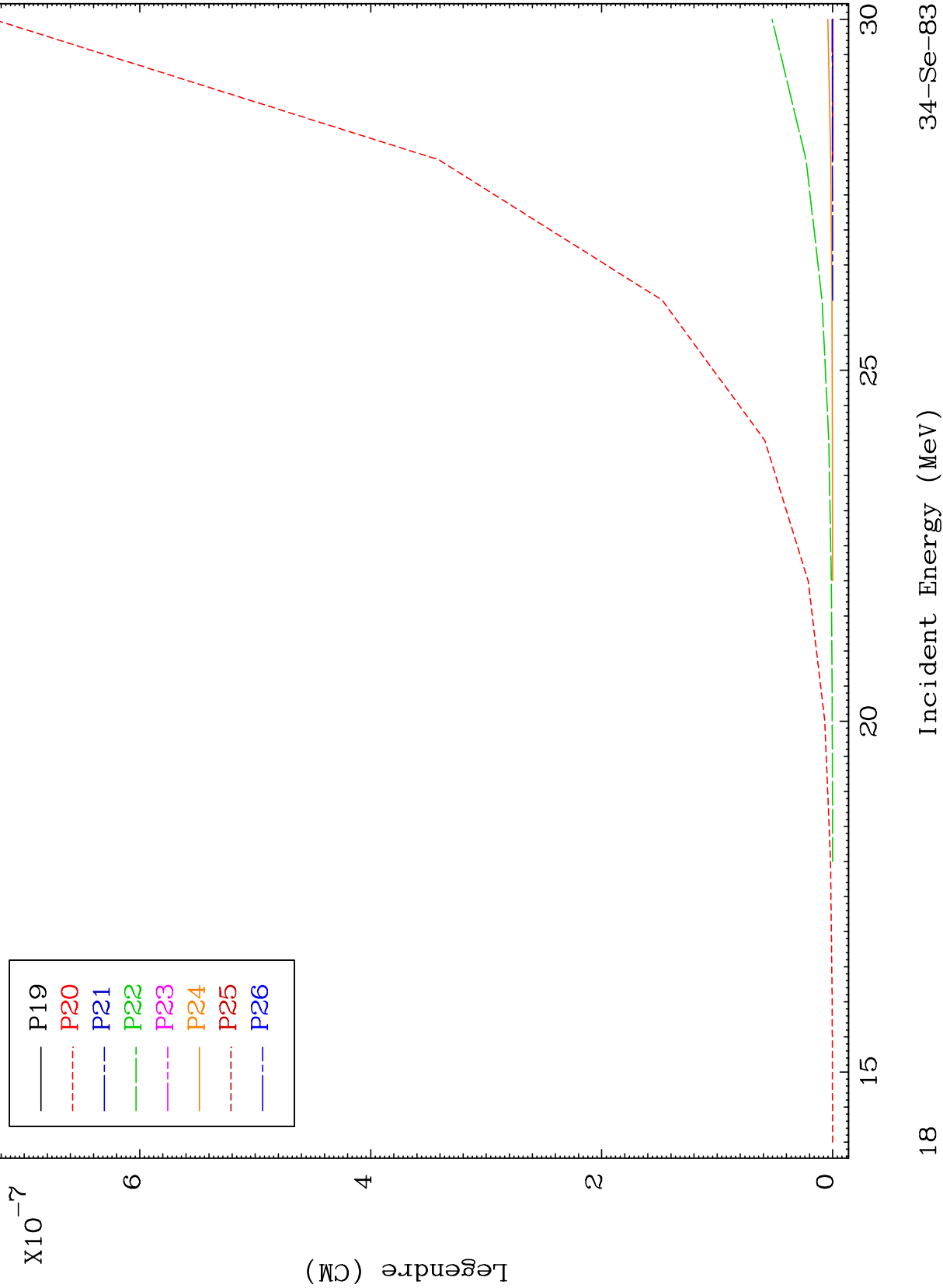
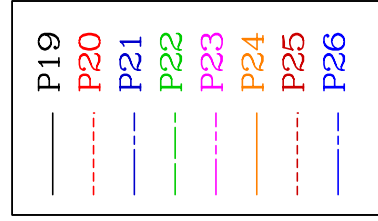
³⁴Se-83

Incident Energy (MeV)

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Elastic Legendre Coefficients

³⁴Se-83



18

Incident Energy (MeV)

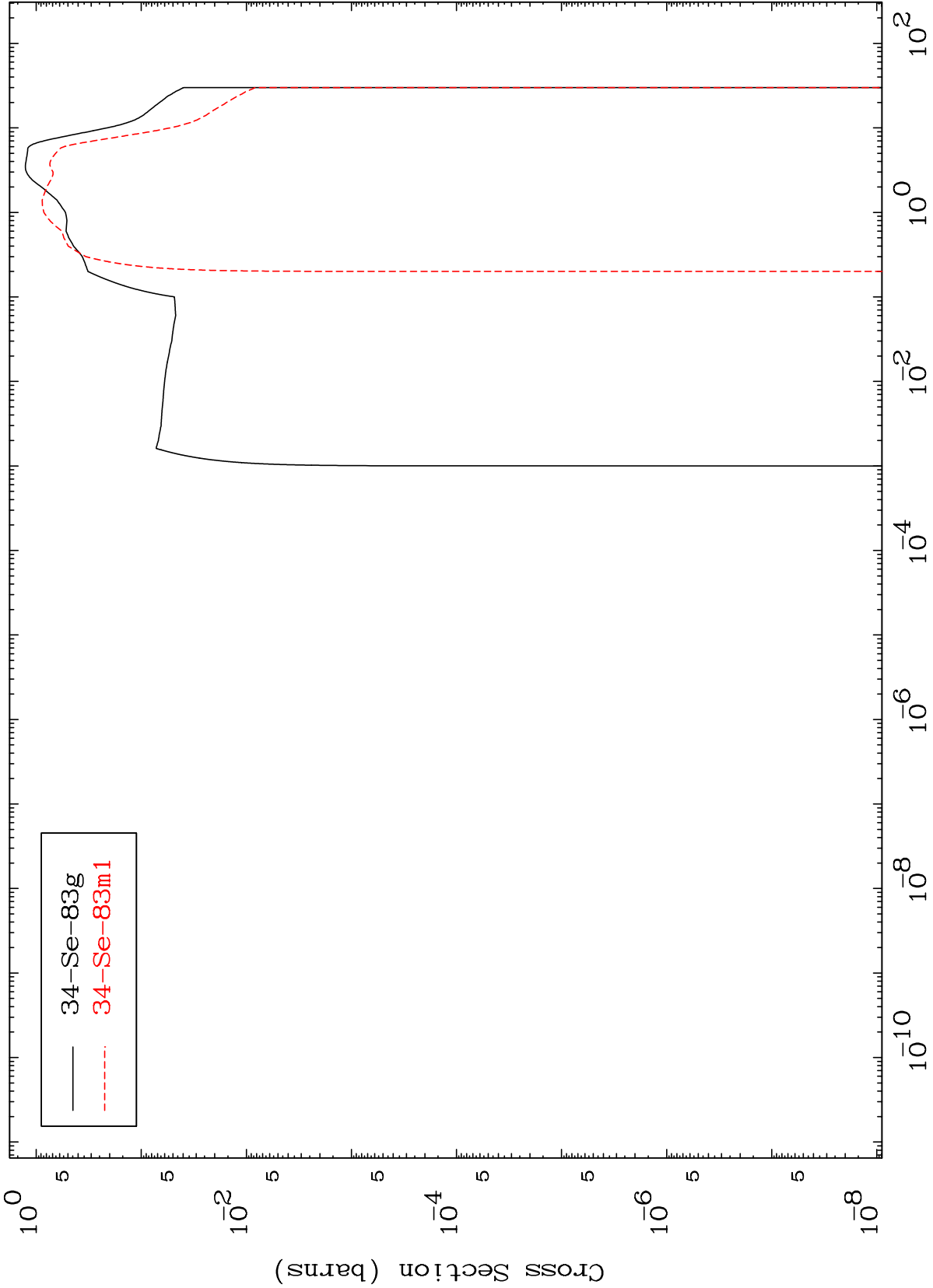
³⁴Se-83

MAT 3453

³⁴Se-83

Inelastic

Radionuclide Production Cross Section



— 34-Se-83g
- - - 34-Se-83m1

Incident Energy (MeV)

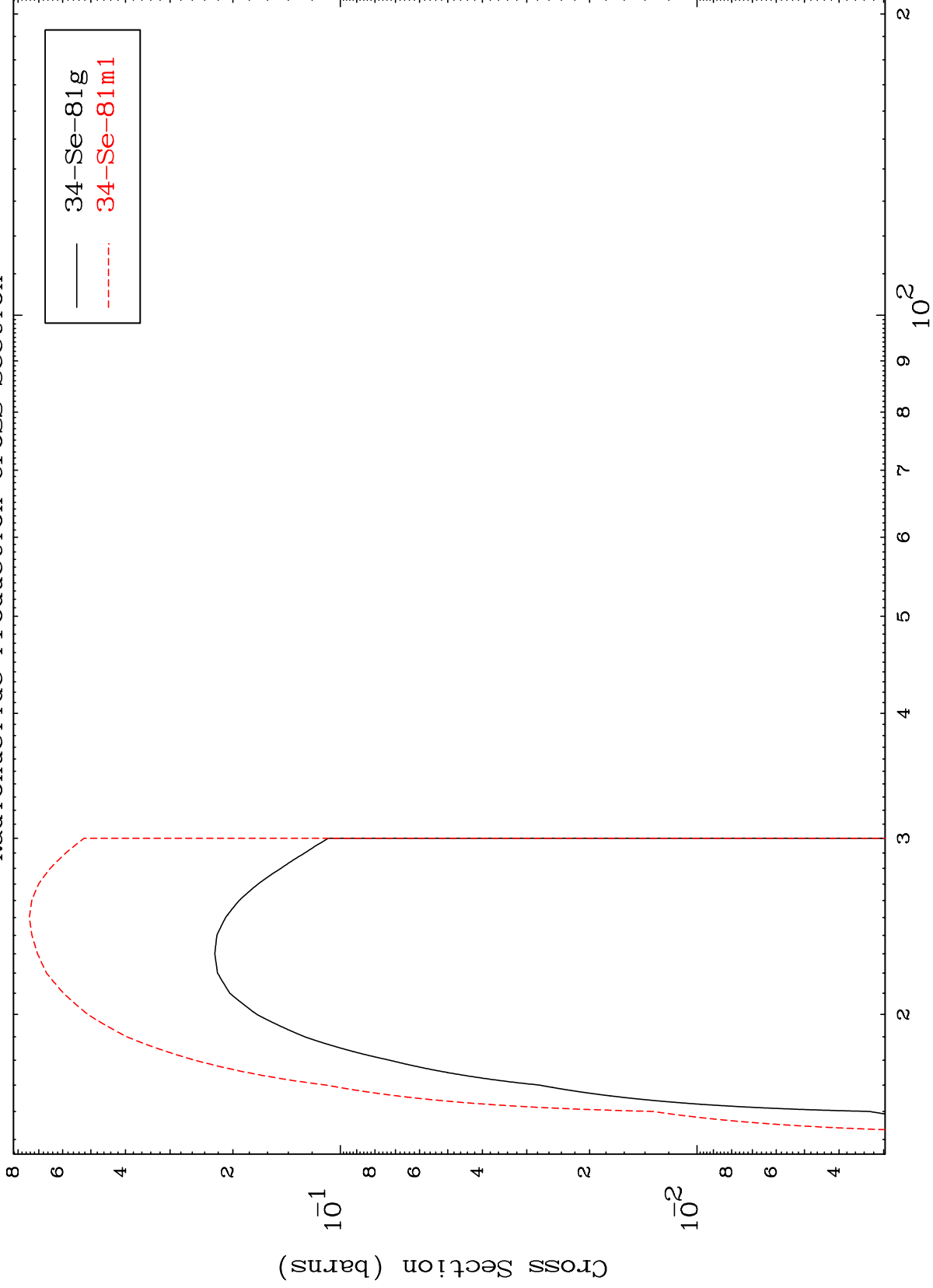
³⁴Se-83

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(n,3n)

³⁴Se-83

Radionuclide Production Cross Section



20

Incident Energy (MeV)

10²

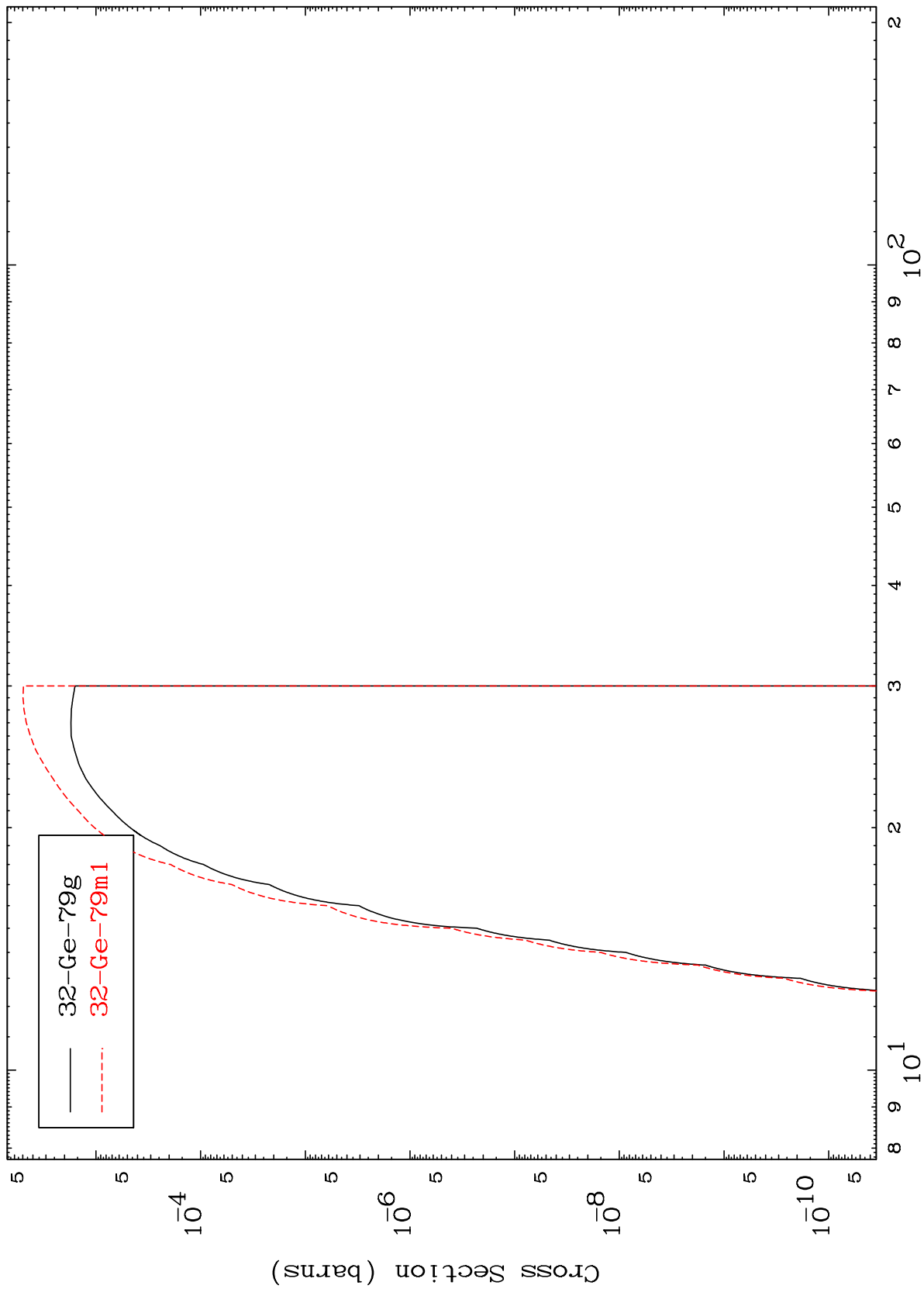
³⁴Se-83

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$(n, n') \alpha$

$^{34}\text{Se-83}$

Radionuclide Production Cross Section



21

Incident Energy (MeV)

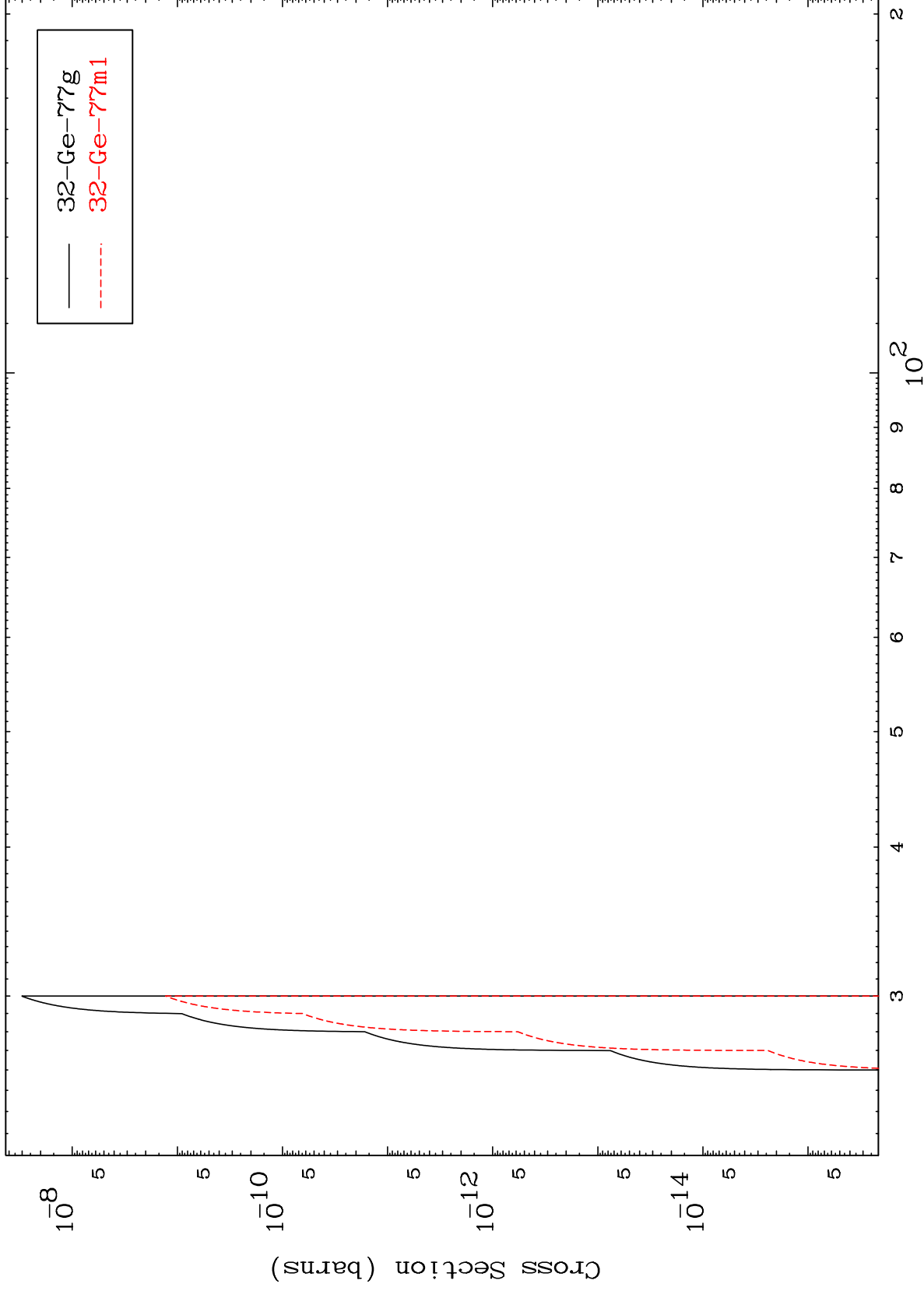
$^{34}\text{Se-83}$

MAT 3453

(n,3n) α

34-^{Se}-83

Radionuclide Production Cross Section

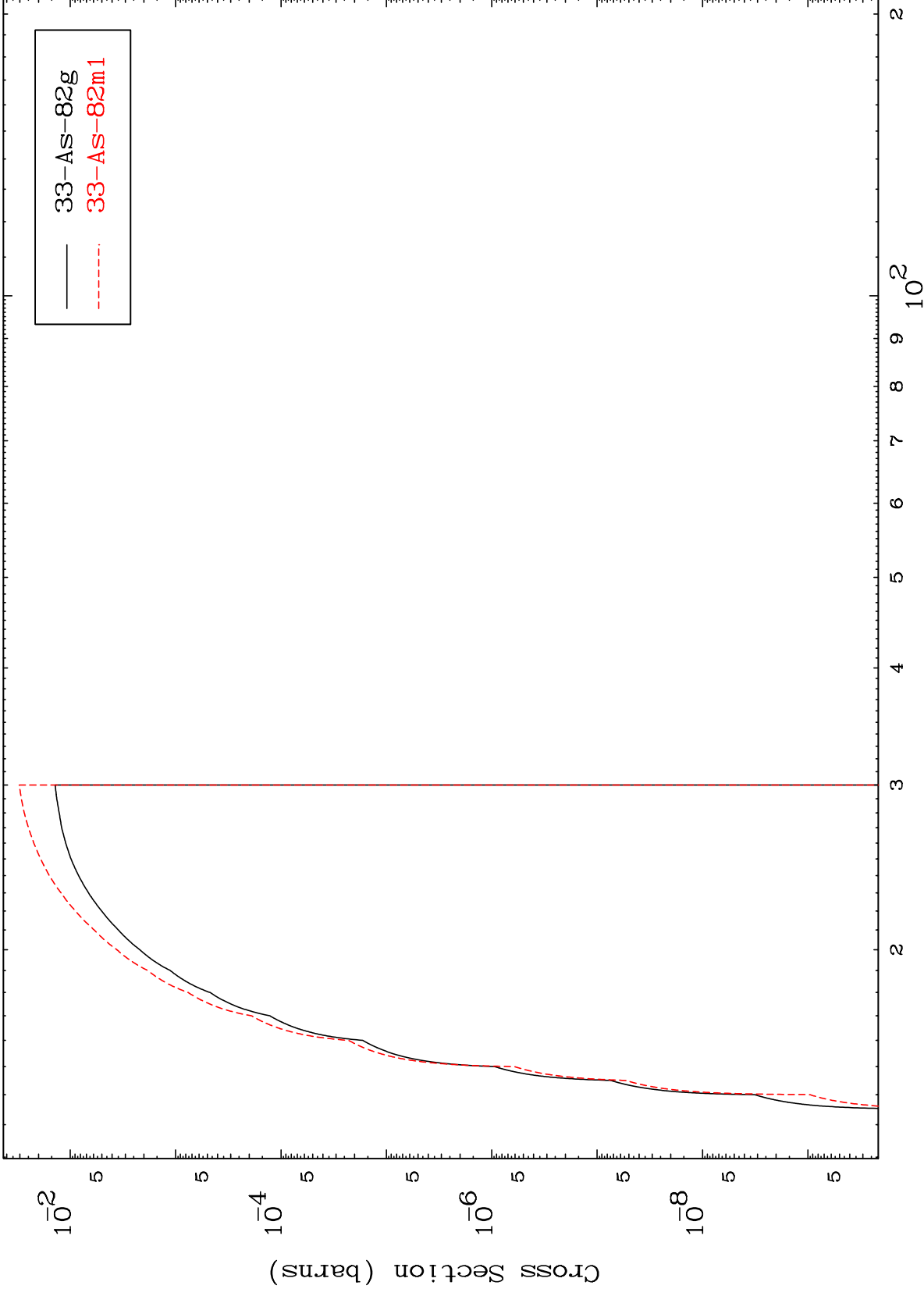


22

Incident Energy (MeV)

34-^{Se}-83

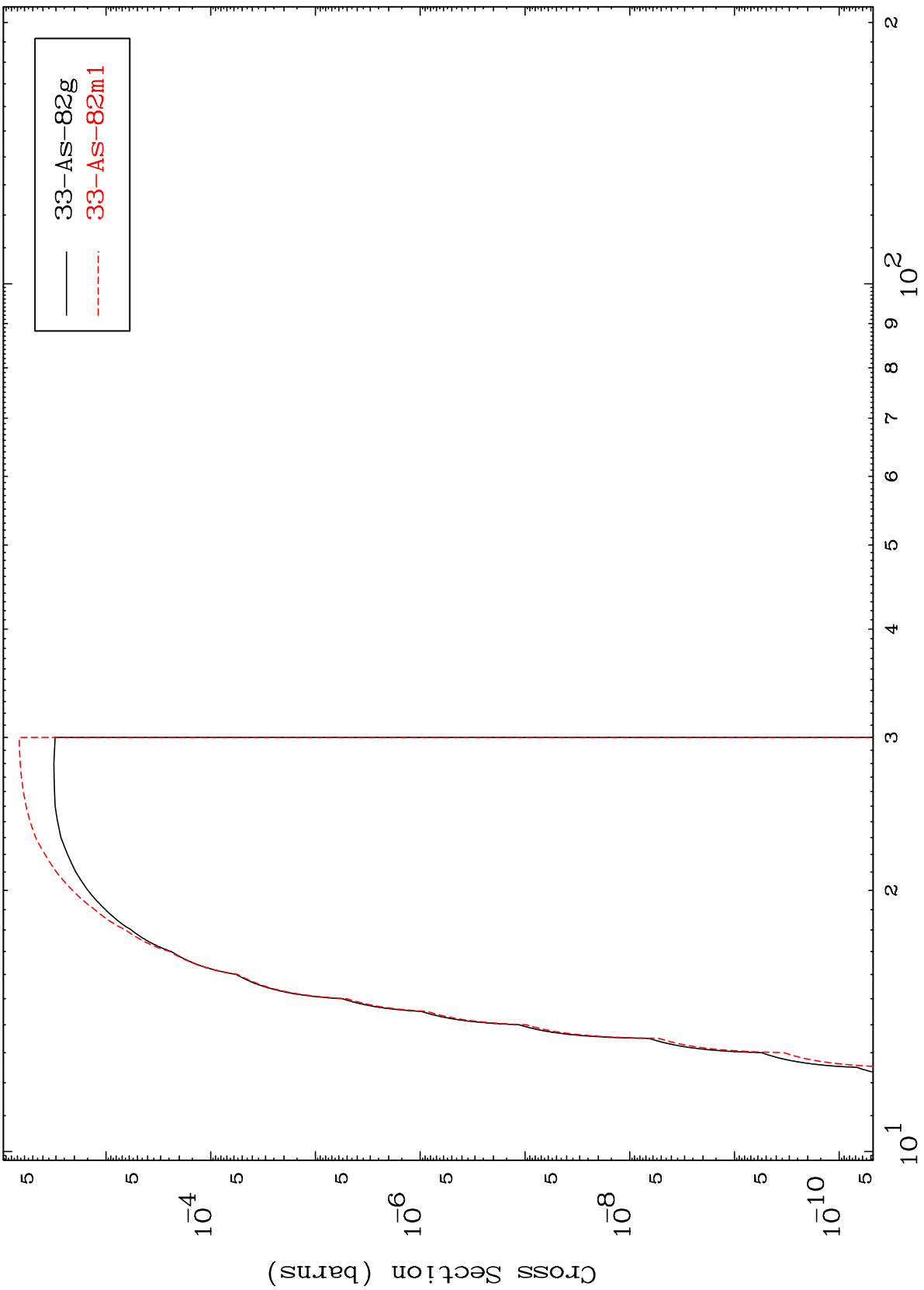
Radionuclide Production Cross Section



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34-Se-83

(n,d)
Radionuclide Production Cross Section



34-Se-83

Incident Energy (MeV)

24

