

Program EVALPLOT
(Version 2018-1)

by

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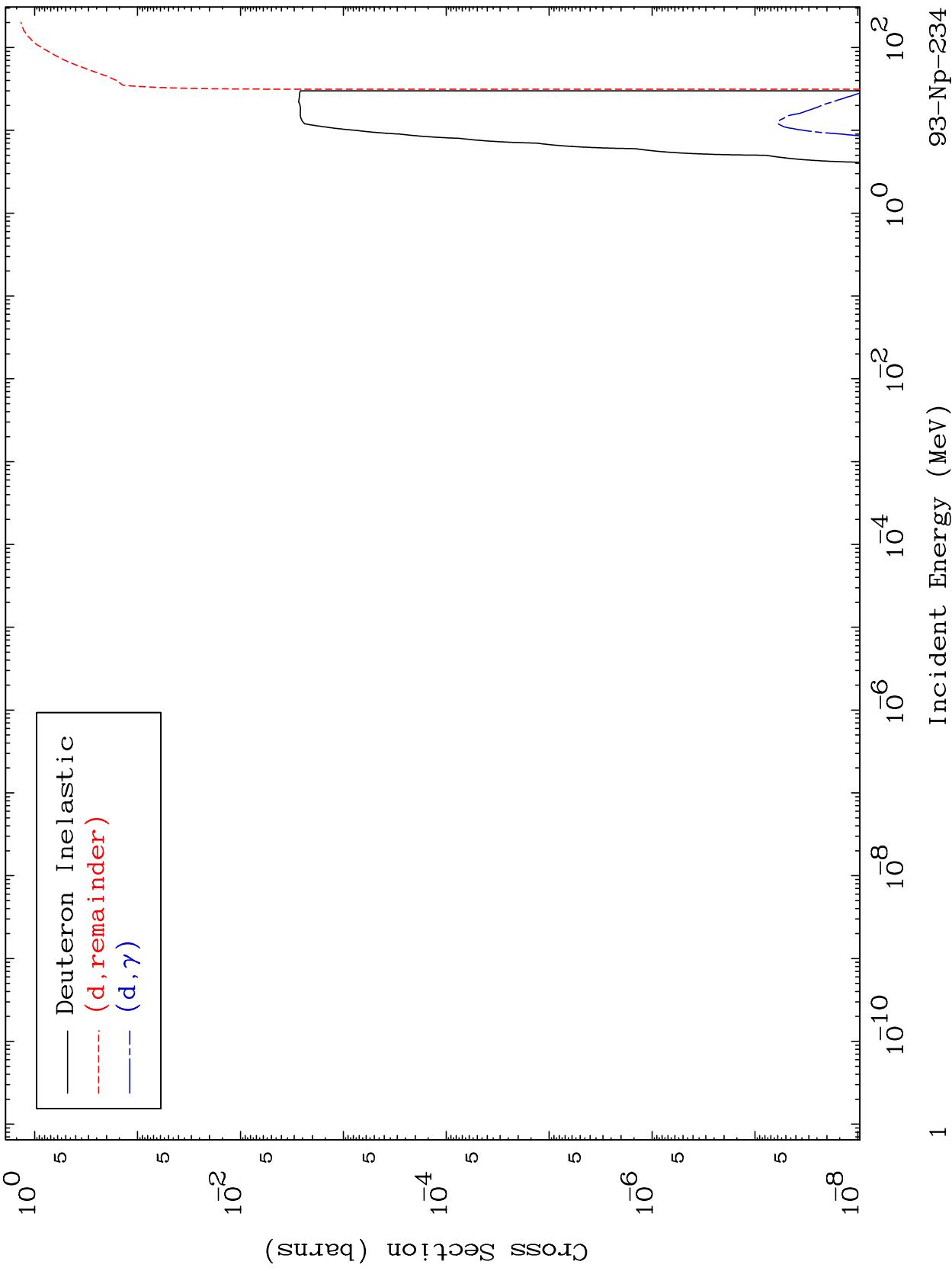
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Press Mouse Button to Start

MAT 9337

93-Np-234

Deuteron Major
0 Kelvin Cross Sections

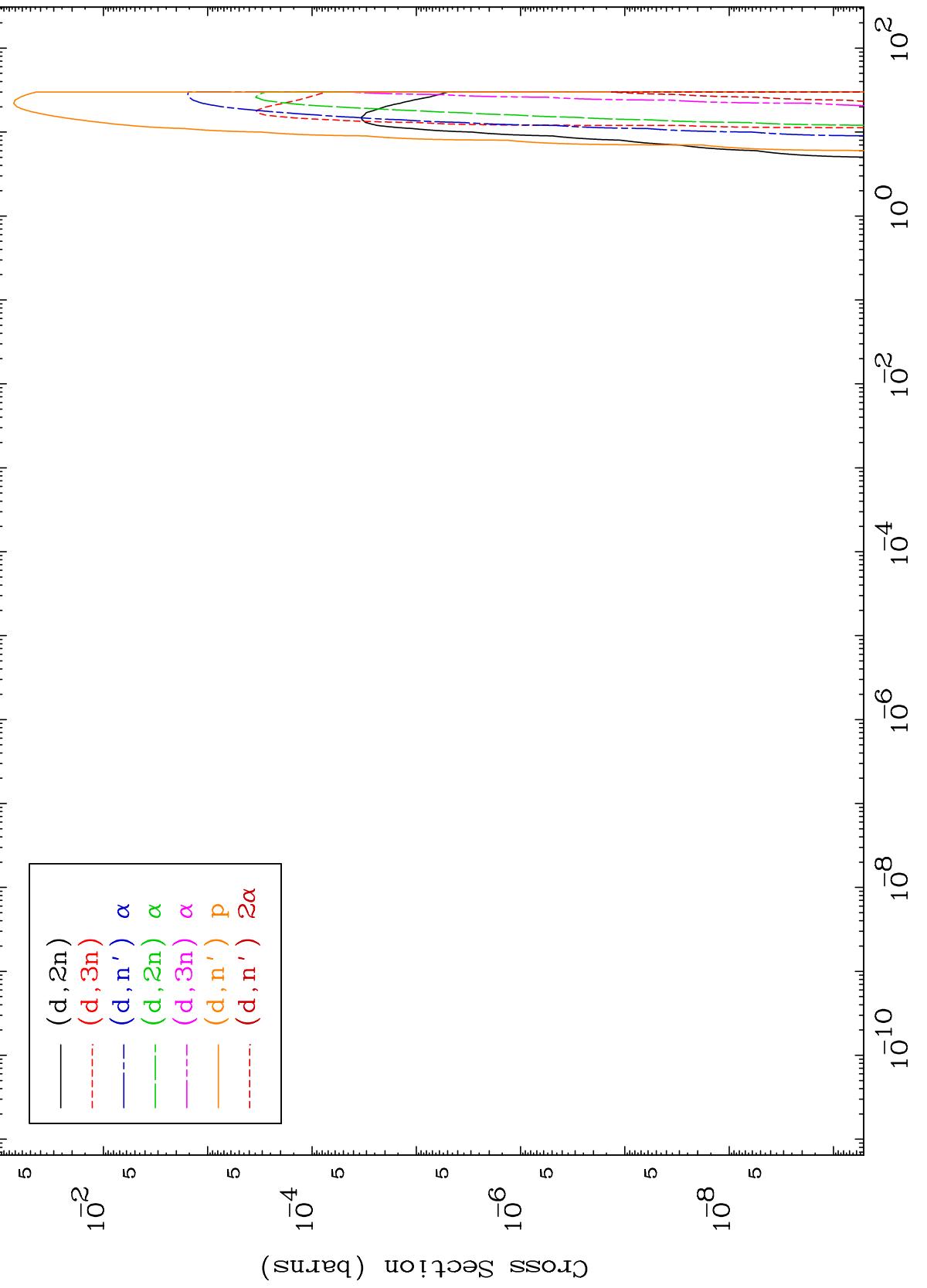
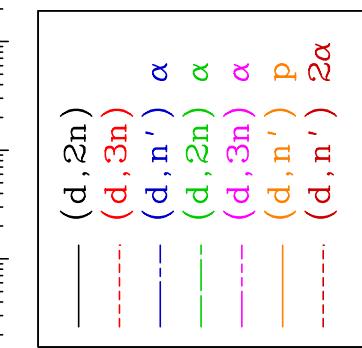
93-Np-234

1

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Deuteron Neutron Production
0 Kelvin Cross Sections

93-Np-234



2

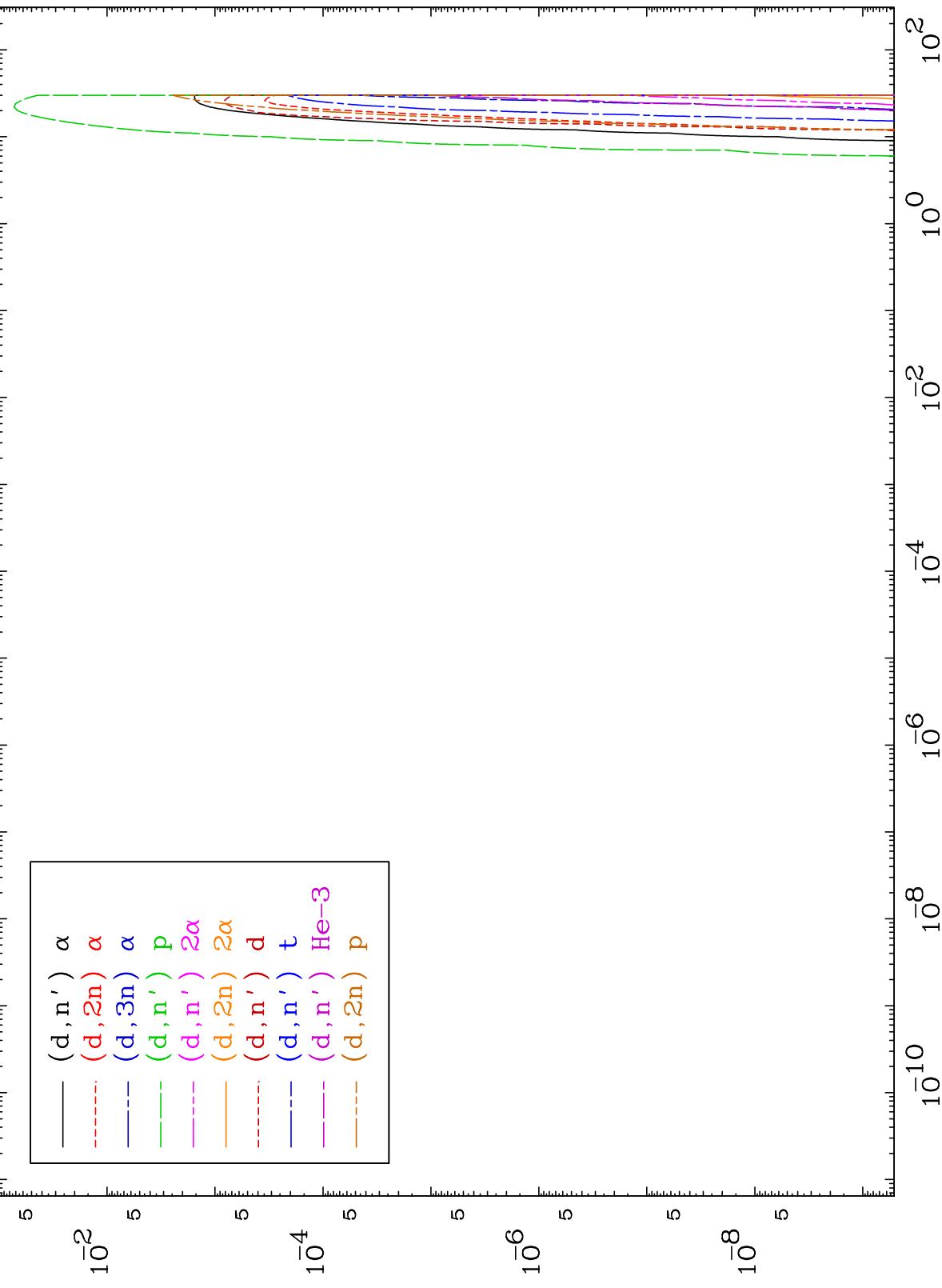


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Deuteron Charged Particle
0 Kelvin Cross Sections

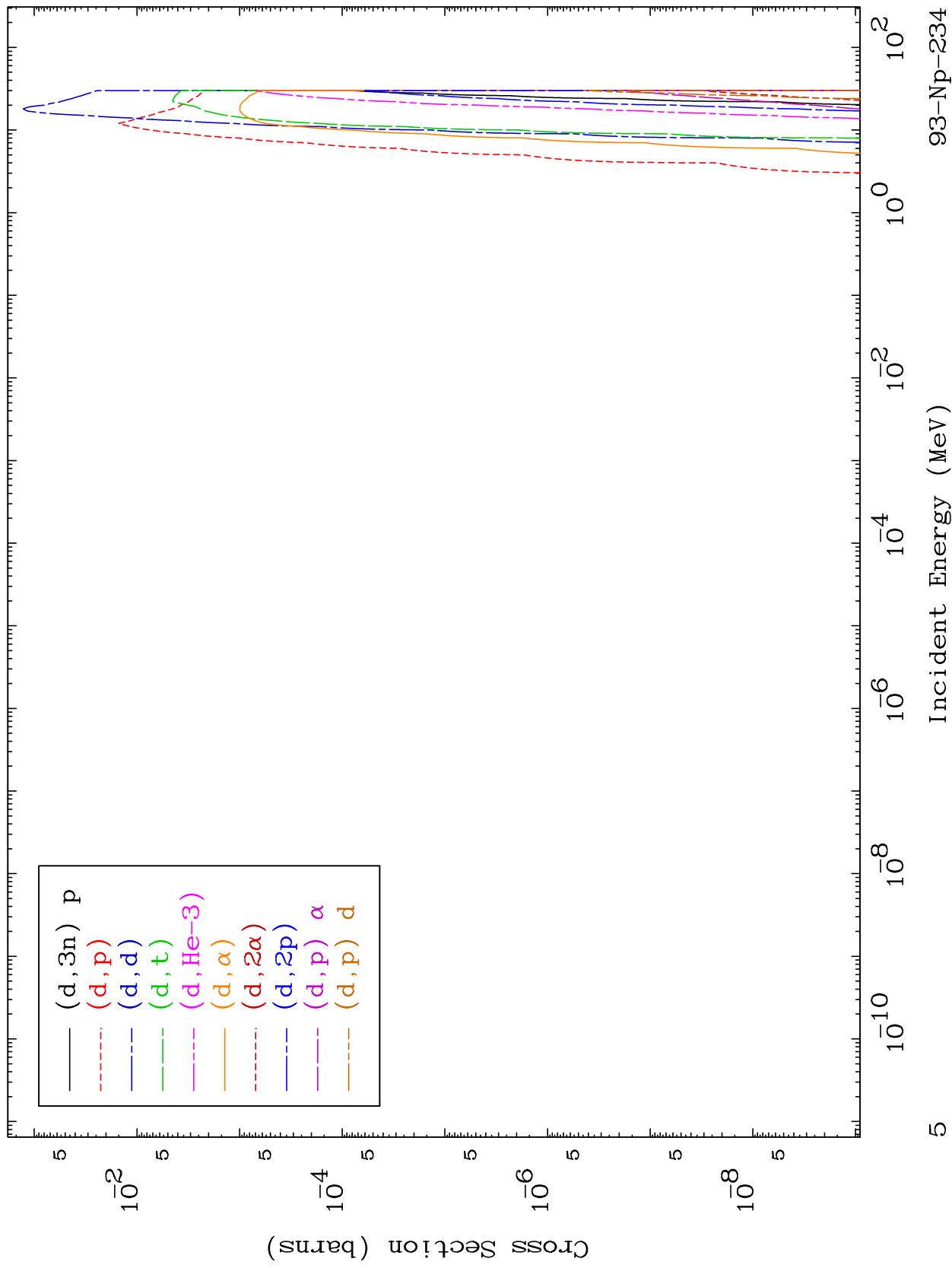
93-Np-234

(d, n')	α
$(d, 2n)$	α
$(d, 3n)$	α
(d, n')	p
(d, n')	2α
$(d, 2n)$	2α
(d, n')	d
(d, n')	t
(d, n')	$He-3$
$(d, 2n)$	p



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Deuteron Charged Particle
O Kelvin Cross Sections



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(d, n') Level
0 Kelvin Cross Sections

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10^{-4} 10^{-6} 10^{-8} 10^{-10}

Cross Section (bars)

Deuteron Inelastic

6

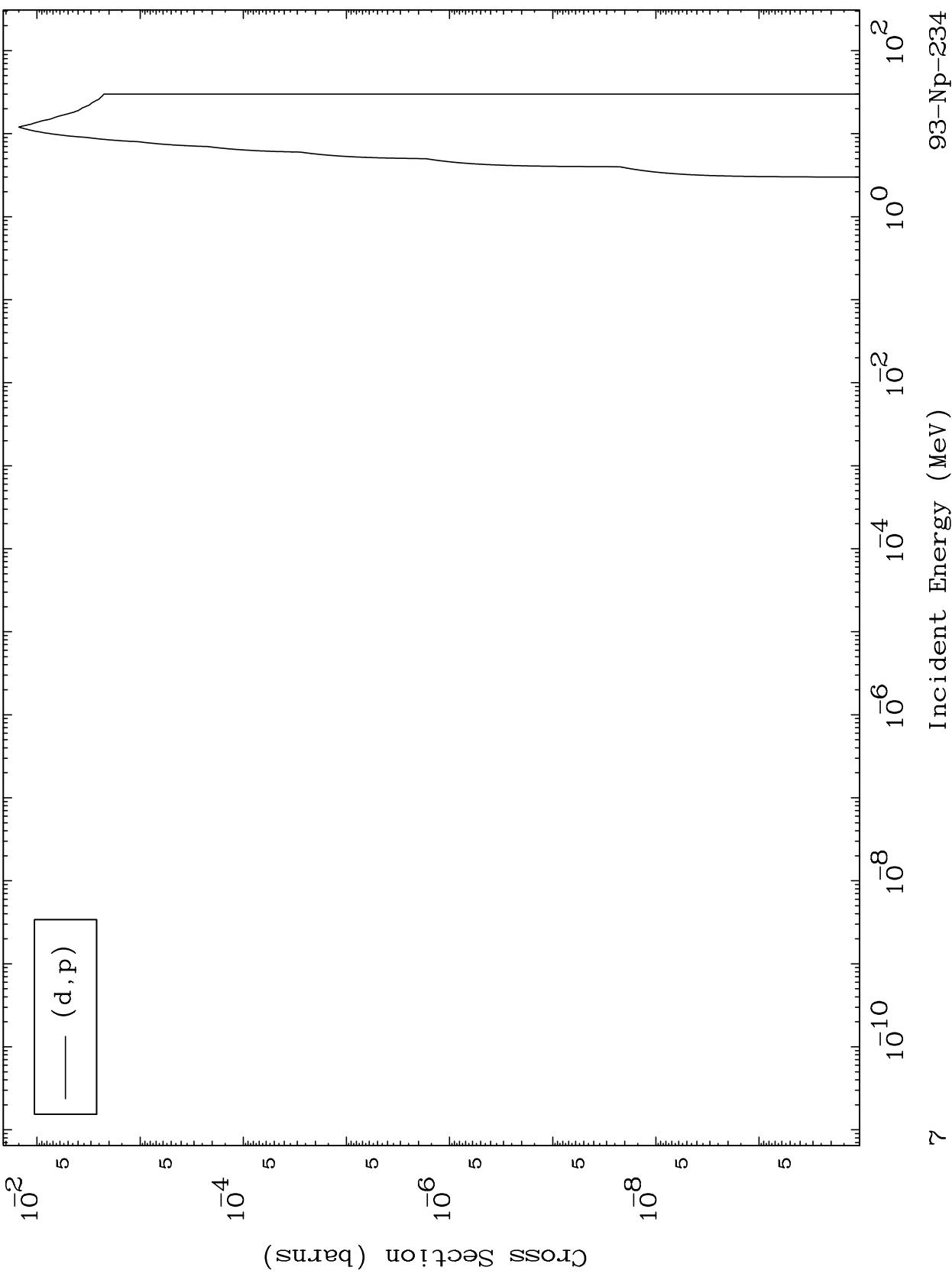
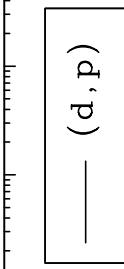
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10^0 10^2
 10^{-6} 10^{-4} 10^{-2}

Incident Energy (MeV)

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93-Np-234
(d,p) Levels
O Kelvin Cross Sections

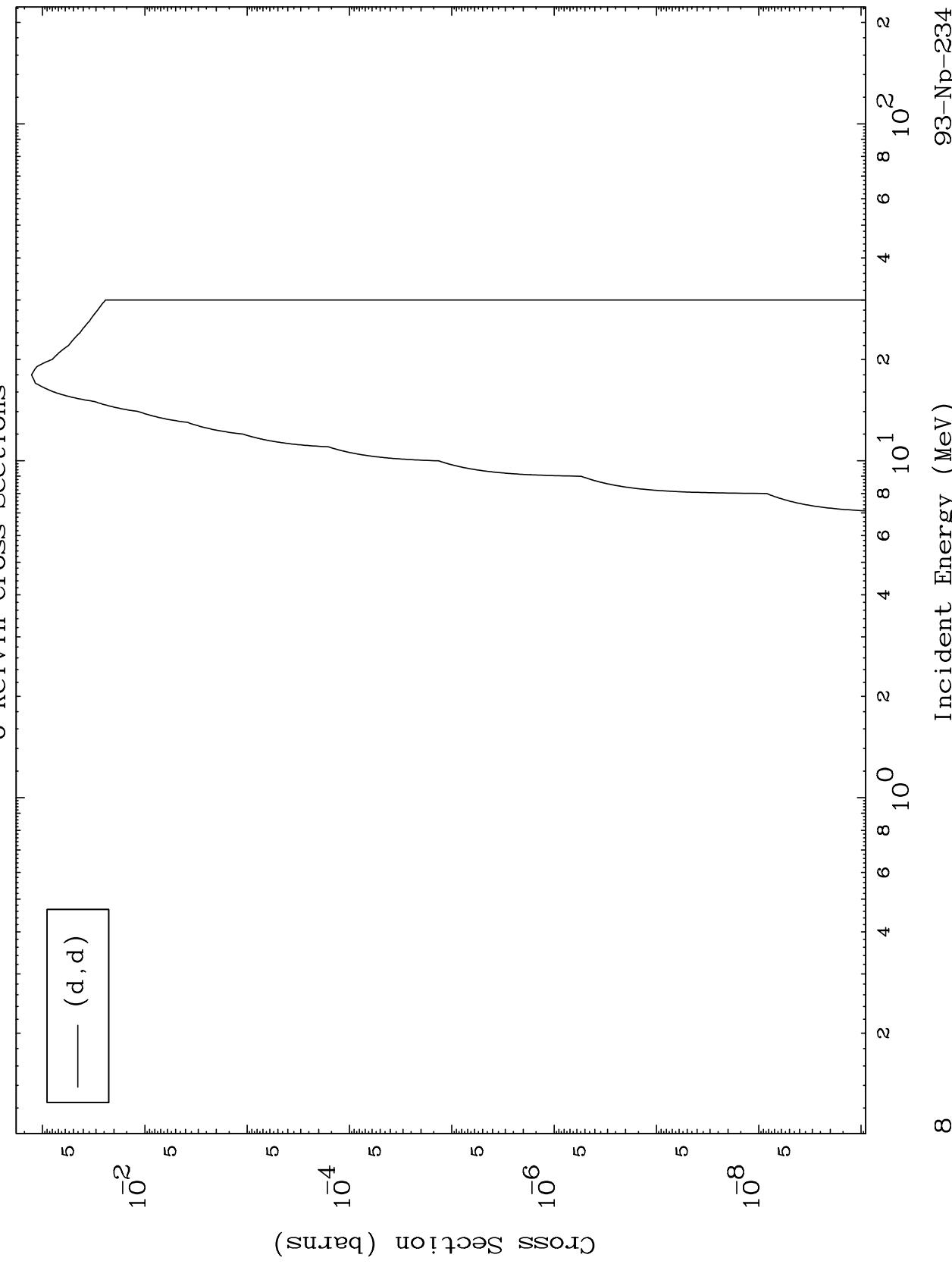


7

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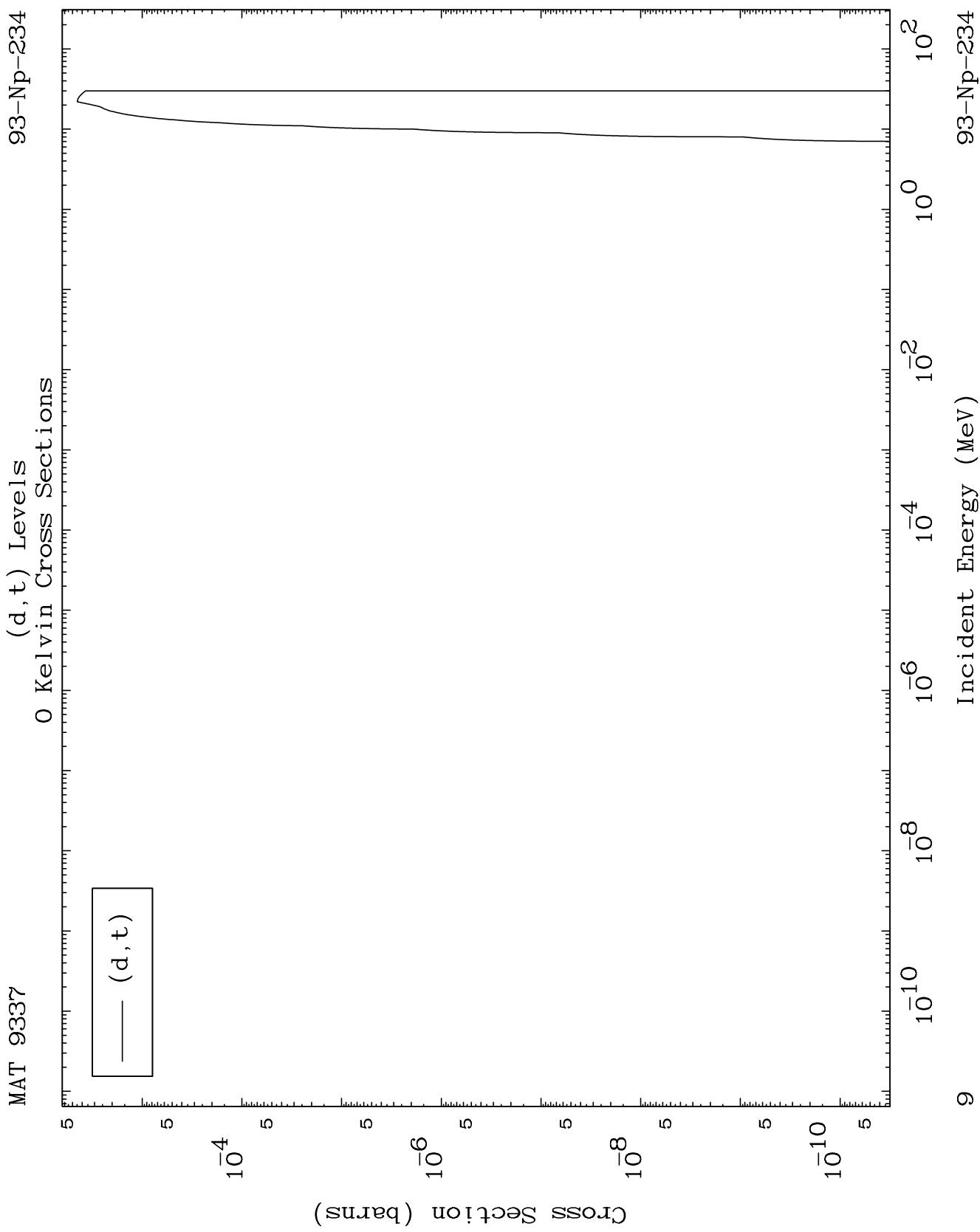
93-Np-234
(d,d) Levels
0 Kelvin Cross Sections

— (d,d)



8

93-Np-234
Incident Energy (MeV)



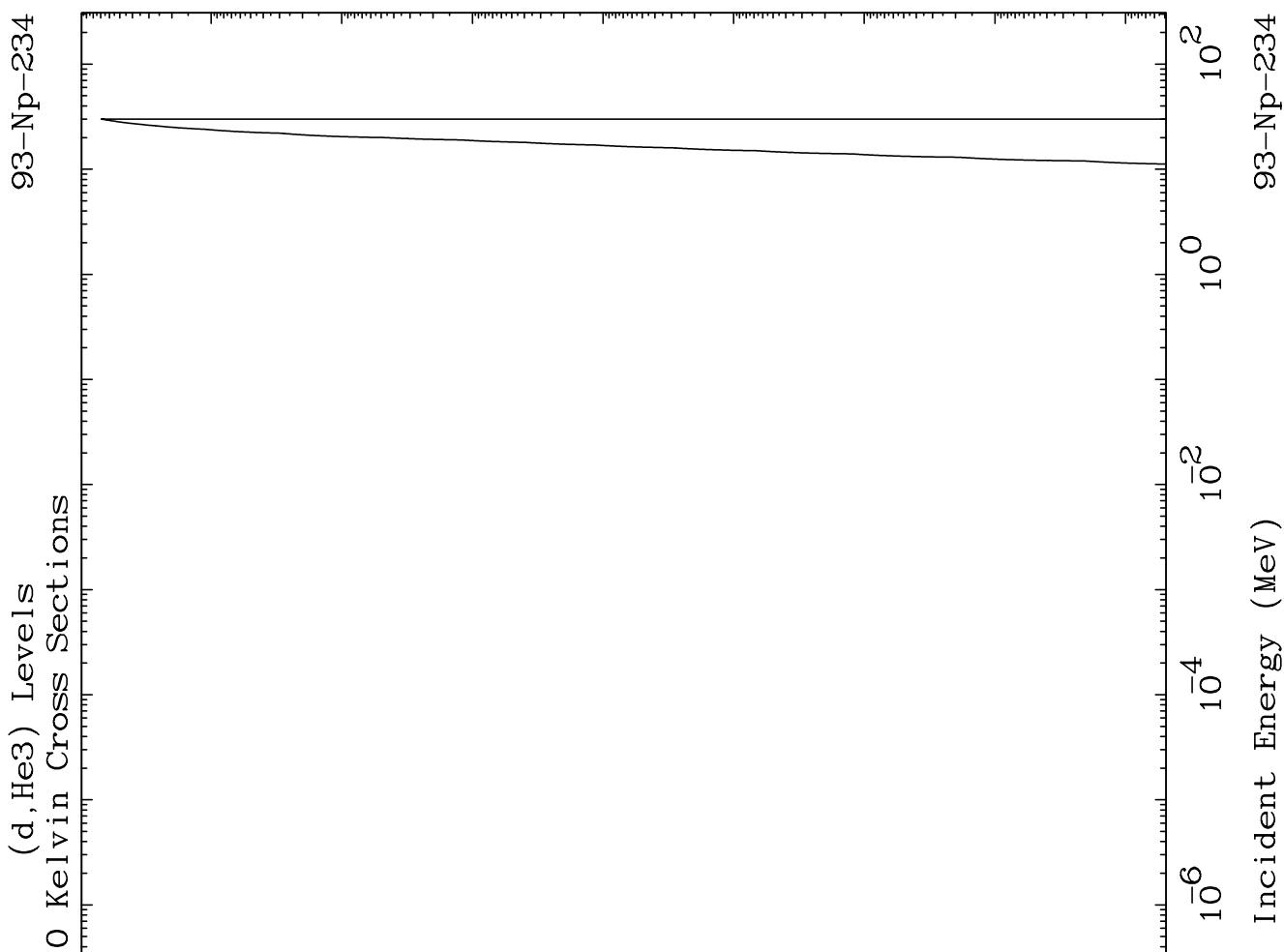
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(d,He3) Levels
O Kelvin Cross Sections

— (d, He-3)

Cross Section (bars)

10⁻⁴ 10⁻⁶ 10⁻⁸ 10⁻¹⁰



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93-Np-234
(d, α) Levels
0 Kelvin Cross Sections

— (d, α)

5

10⁻⁴

5

10⁻⁶

5

10⁻⁸

5

10⁻¹⁰

5

10⁻²

Cross Section (barns)

11

93-Np-234
Incident Energy (MeV)

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Deuteron Fission
Radionuclide Production Cross Section

10^0

10^{-2}

10^{-4}

10^{-6}

Cross Section (barns)

— 0-??-Nat



12