



Update: Stability of APAM Doping in Si November, 14^{th,} 2022

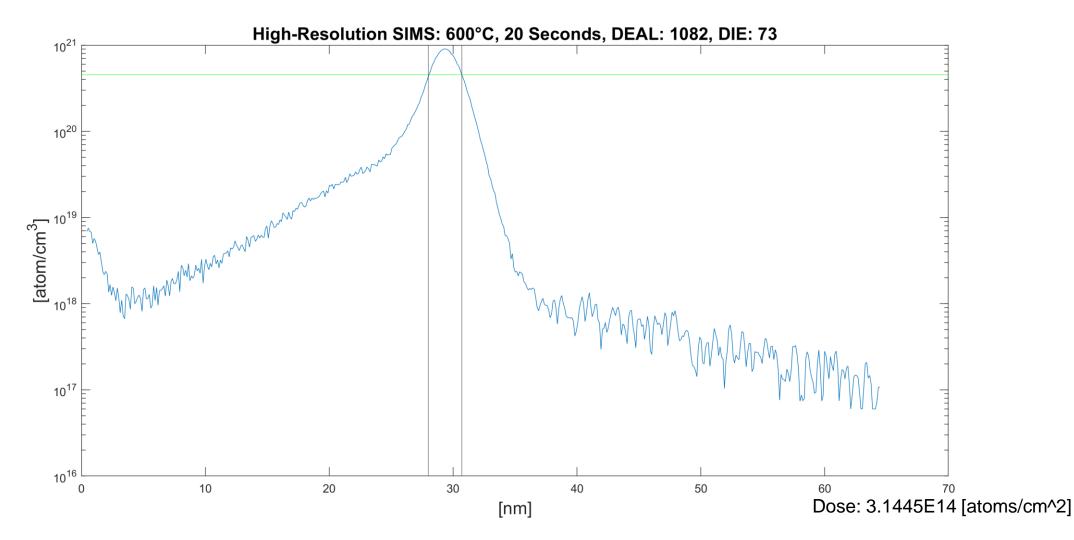
PRESENTED BY

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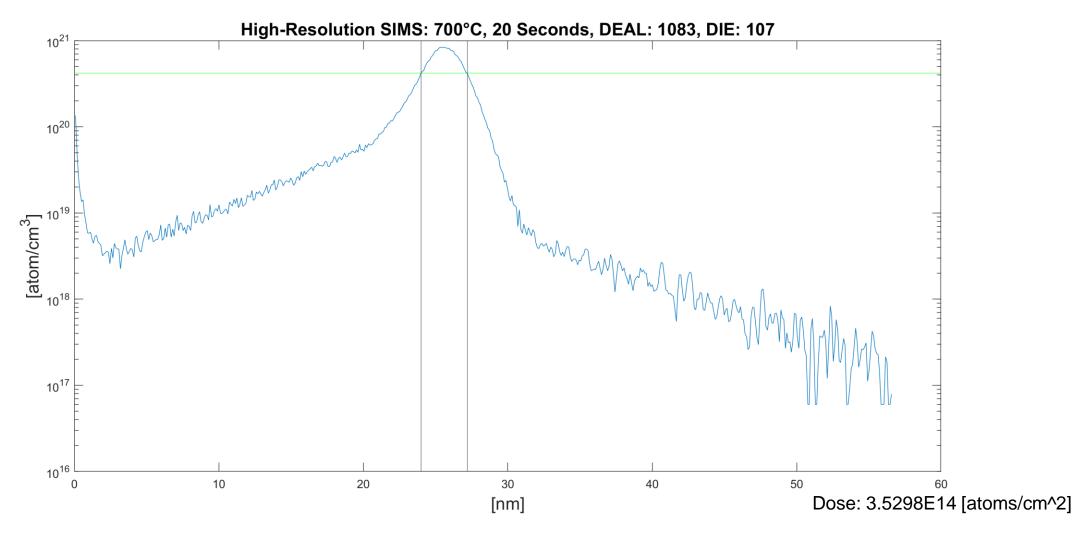
High-Resolution SIMS: Double Dose, 600C, 20s



Peak Concentration: 9.046E20 [atoms/cm^3]

Full Width at Half Max: 2.7 +/- 0.1 [nm]

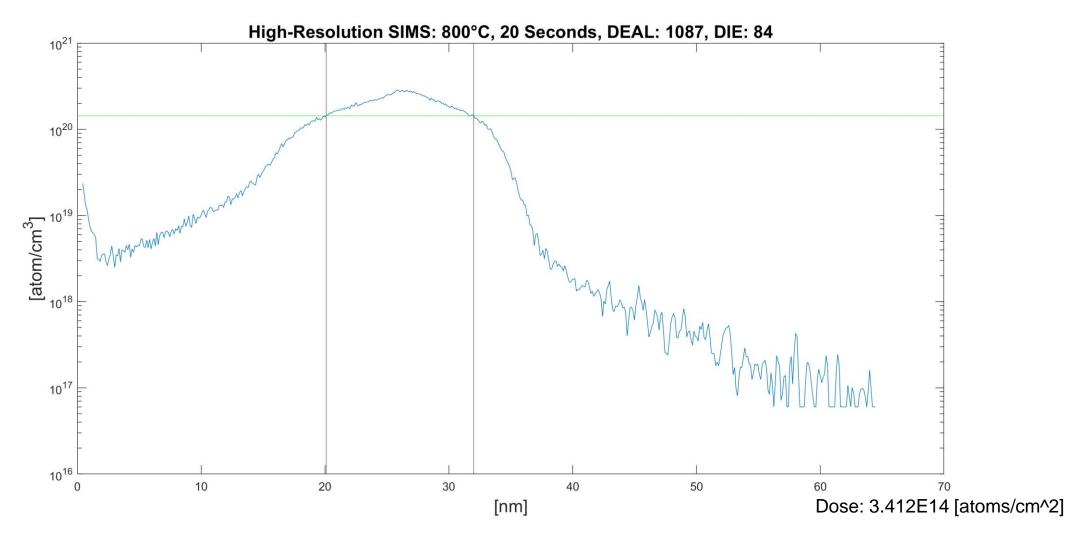
High-Resolution SIMS: Double Dose, 700C, 20s



Peak Concentration: 8.408E20 [atoms/cm^3]

Full Width at Half Max: 3.2 +/- 0.1 [nm]

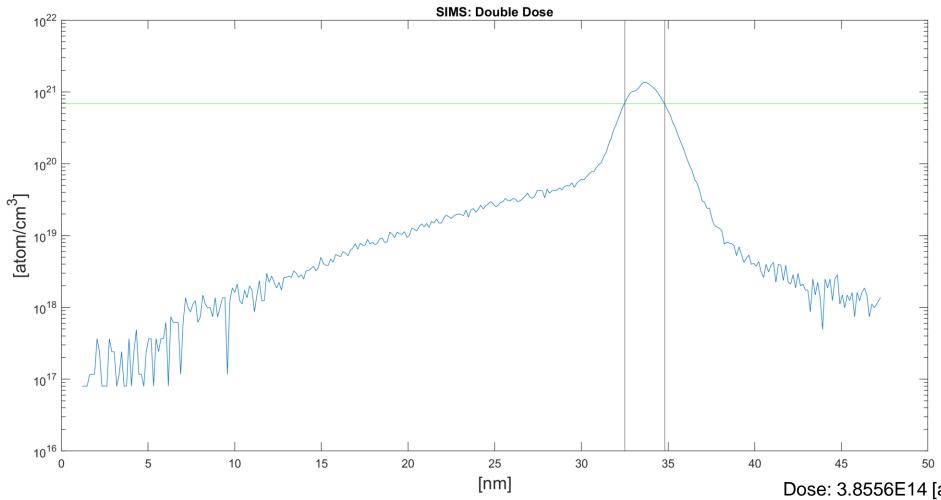
High-Resolution SIMS: Double Dose, 800C, 20s



Peak Concentration: 2.858E20 [atoms/cm^3]

Full Width at Half Max: 11.9 +/- 0.1 [nm]

High-Resolution SIMS: Double Dose As Grown

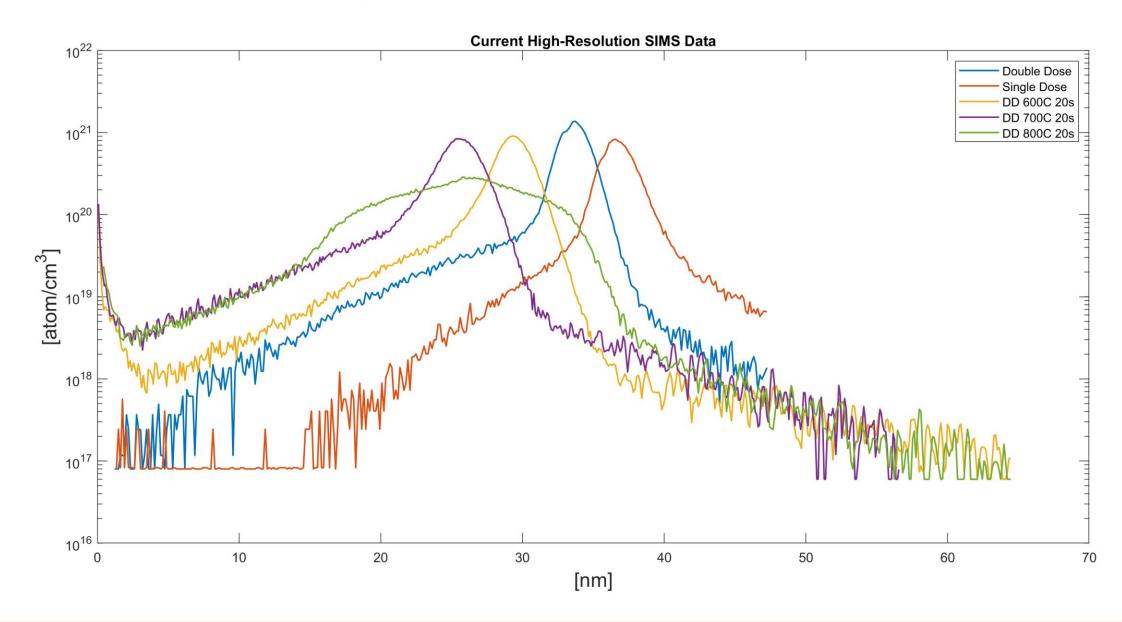


Dose: 3.8556E14 [atoms/cm^2]

Peak Concentration: 1.36973E21 [atoms/cm^3]

Full Width at Half Max: 2.3 +/- 0.1 [nm]

Current Library of High-Resolution SIMS Data



Current Library of High-Resolution SIMS Data

Sample	Peak Concentration [atoms/cm^3]	Dose [atoms/cm^2]	Full Width at Half Max (FWHM) [nm]
Double Dose As Grown	1.36973E21	3.8556E14	2.3
Double Dose 600C 20s	9.046E20	3.1445E14	2.7
Double Dose 700C 20s	8.408E20	3.5298E14	3.2
Double Dose 800C 20s	2.858E20	3.4120E14	11.9