## Achieving Leakage Resilience through Dual System Encryption

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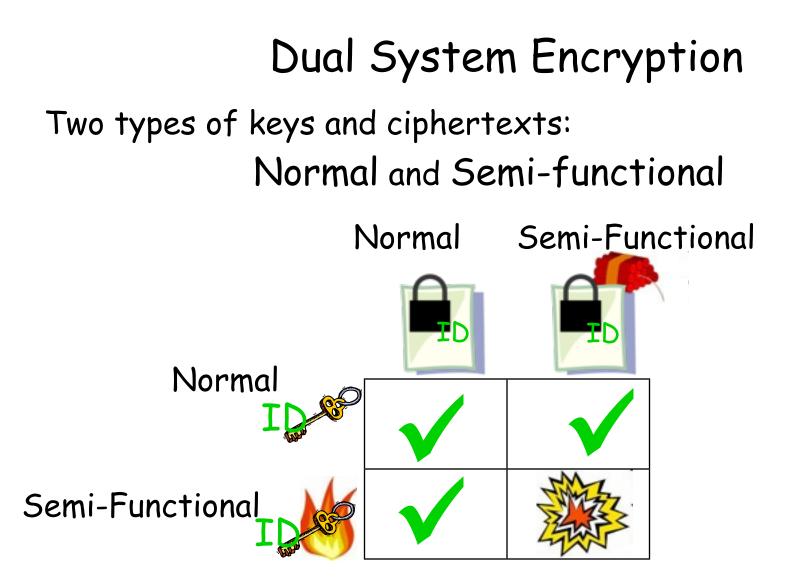


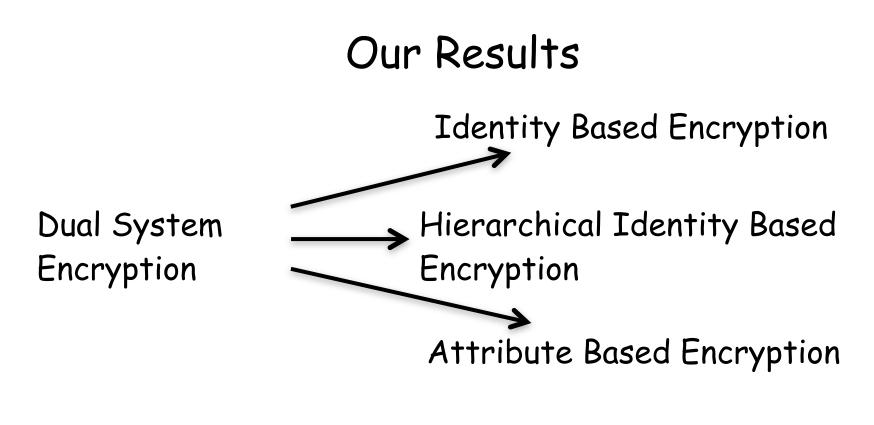
## Leakage Resilience

Exploding Field: [ISW03, MR04, HSHCPCFAF08, DP08, P09, AGV09, DKL09, NS09, ADW09, KV09, FKPR10, ADNSWW10, BG10, DP10, JV10, GR10, CDRW10 ...]

- Continual Leakage Model [BKKV10, DHLW10]
  - Signatures, PKE, Continual, IBE
  - "Tailored" subspace techniques for IBE
  - Limitations: Selective, Master Leakage, HIBE, ABE?

Can we leverage recent advances in IBE/ Functional Encryption?





- Adaptive security
- Master key leakage