

output  $\leq 127$   
(Salsa20)

circuit output  $\geq 128$   
interpreted as quantum random data stream

quantum  
random  
data

Salsa20  
(2 rounds)

circuit output  $\leq 127$   
interpreted as Salsa20 stream

output  $\geq 128$   
(random)

$0 \times 10^3$     $1 \times 10^3$     $2 \times 10^3$     $3 \times 10^3$     $4 \times 10^3$     $5 \times 10^3$     $6 \times 10^3$     $7 \times 10^3$     $8 \times 10^3$     $9 \times 10^3$     $10 \times 10^3$

circuit output values (sorted, colored by value)

