Hockey 10^{-9} Uplink Loudest Talker Less Energy Combining Hamming+RS Shannon 8 Hard Shannon Polyanskiy Polyanskiy BSC Converse Transmitter SNR Needed (dB) 6 **Error Exponent** 2 0 **-**2 -4 -6 -8 r 5 10 15 20 25 30 35 **Number of Nodes**