AWGN:  $r = 0.64 n = 1536 n_{sh} = 256$ 10<sup>0</sup>  $k_{sh}$ QAM PS  $k_{sh}$ =128 QAM PS  $k_{sh}$ =144 QAM PS  $k_{sh}$ =160 QAM PS  $k_{sh}$ =176  $10^{-1}$ QAM PS  $k_{sh}$ =192 QAM PS  $k_{sh}$ =208 Coded BLER QAM PS  $k_{sh}$ =224 QAM PS  $k_{sh}$ =240 QAM Baseline  $k_{sh}$ =256  $10^{-2}$  $10^{-3}$  $10^{-4}$ 4.00 4.25 4.50 4.75 5.00 5.25 5.50 5.75 6.00  $E_b/N_0$  (dB)