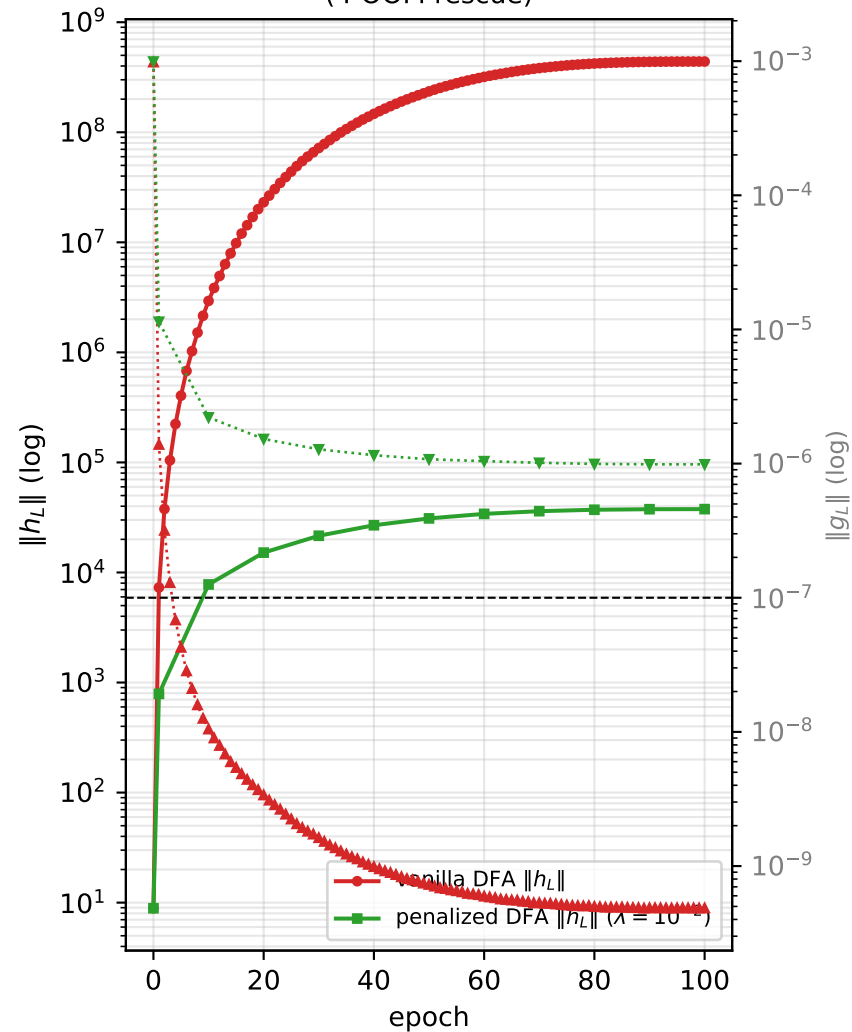
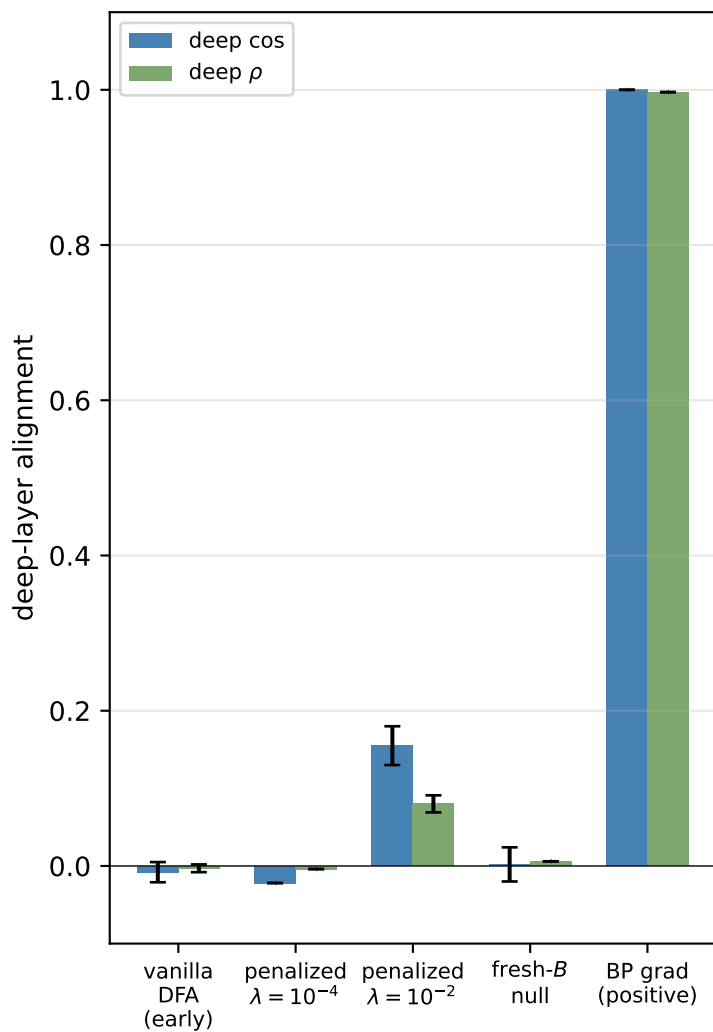


(a) penalty contains residual stream
(4 OOM rescue)



(b) two metrics agree across conditions
(measurement vs random feedback)



(c) BP+penalty 2×2 control
(BP-pen-cost -8pp; gap 17pp = credit quality)

