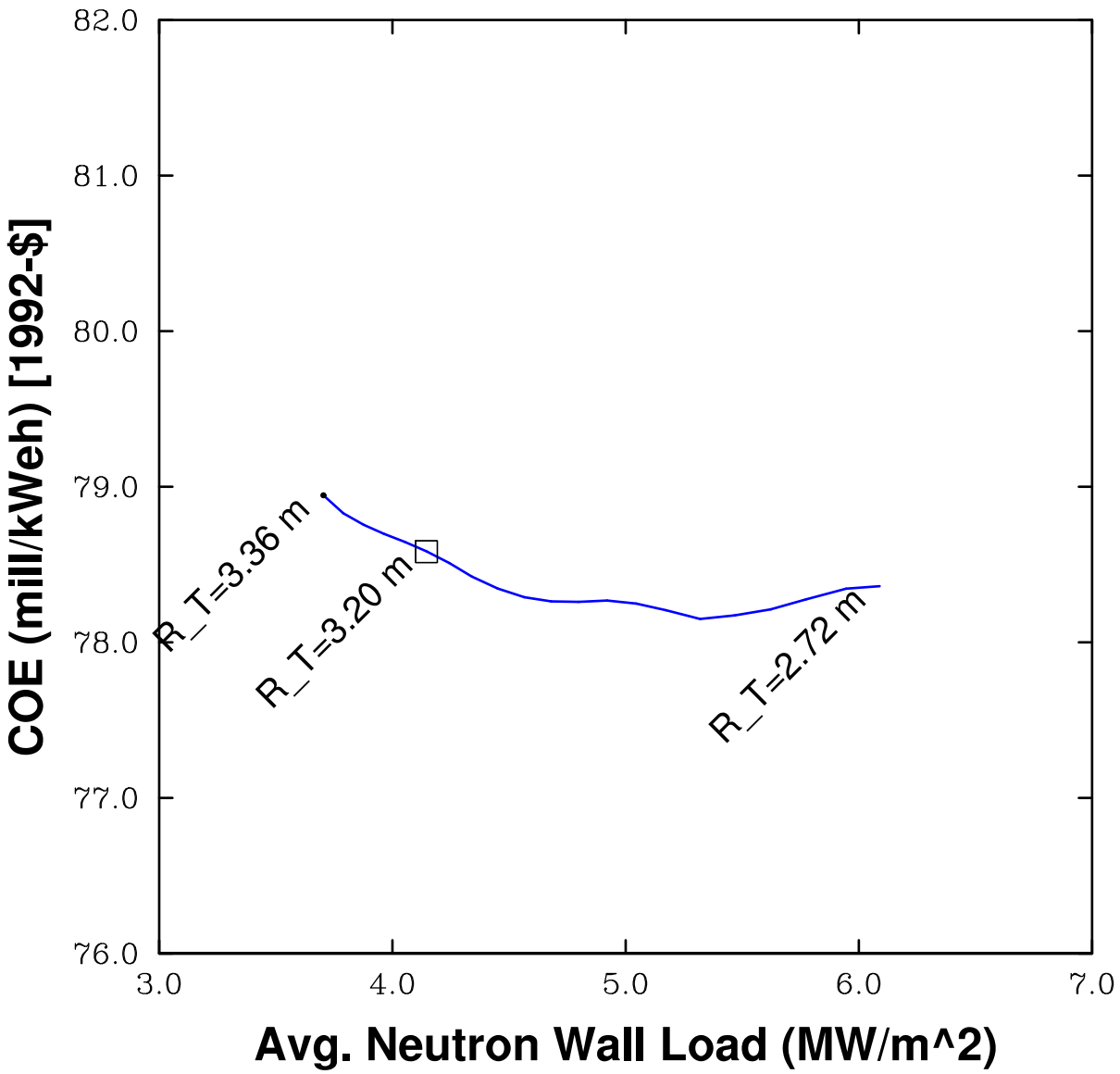ARIES-ST, A = 1.6, P_E = 1.0 GWe