State cosHD\_isinVA\_chi\_sweep\_45  $W, \eta = 45$  $W_{l}, \eta = 45$ 0.15 0.10 Witness value 0.05 0.00 -0.05 -0.10 0.3 0.4 0.5 0.6 0.7 0.1 0.0 0.2 0.8