

$\kappa_Z - 1$ 

0.08

0.06

0.04

0.02

0.00

 $\kappa_\lambda$ 

0

2

4

6

8

10

HS BFP ( $\Delta\chi^2 = 12.6$ ) $(\kappa_\lambda = 1.96, \kappa_Z - 1 = 0.00499)$ 

— HS 68.3% CL

- - HS 95.4% CL

... HS 99.7% CL

14048 Points

 $\kappa_\lambda^{\text{Exp}}(\text{HL-LHC}) = 2 \pm 0.05$ 

Inert Doublet Model

12

11

 $\Delta\chi^2$ 