

A.U.

ATLAS Internal $qq \rightarrow H(\text{NWA}) \rightarrow WW \rightarrow \ell\nu qq$ $m(\text{Scalar}) = 2.0 \text{ TeV}$

— Signal Region (before QCD cut)

- - - Signal Region (after QCD cut)

— W^+ before cut— W^- before cut

0.08

0.06

0.04

0.02

0

-1

-0.8

-0.6

-0.4

-0.2

0

0.2

0.4

0.6

0.8

1

 $\text{Cos}(\theta_{e,W})$ 