$H^0 \rightarrow ZZ \rightarrow 4l$

BACKGROUND

- no reducible background
- irreducible ZZ continuum

SELECTION CRITERIA

- 4 μ/e: $p_t^{1,2,3,4} > 40, 30, 20, 10$ GeV
- both pairs: $m_{ll} = m_Z \pm 4$ GeV

very high resolution required