

MATTHEW KENZIE  
LIST OF PUBLICATIONS AND TALKS

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**Publications:**

- CMS Collaboration, “Observation of a new boson with mass near 125 GeV in pp collisions at  $\sqrt{s}=7$  and 8 TeV”, *JHEP* **06** (2013) 081,  
doi:10.1007/JHEP06(2013)081
- CMS Collaboration, “Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC”, *Phys. Lett. B* **716** (2012) 30,  
doi:10.1016/j.physletb.2012.08.021
- CMS Collaboration, “Search for the standard model Higgs boson decaying into two photons in pp collisions at  $\sqrt{s} = 7\text{TeV}$ ”, *Phys. Lett. B* **710** (2012) 403,  
doi:10.1016/j.physletb.2012.03.003
- CMS Collaboration, “Updated measurements of the Higgs boson at 125 GeV in the two photon decay channel”, *CMS Physics Analysis Summary CMS-PAS-HIG-13-016* (2013)
- CMS Collaboration, “Properties of the observed Higgs-like resonance decaying into two photons”, *CMS Physics Analysis Summary CMS-PAS-HIG-13-001* (2013)

**Conference talks and posters:**

- Higgs Hunting, Orsay 2013  
**Higgs to two photons at CMS** (On behalf of CMS collaboration)  
*Conference plenary invited talk*
- LHC Collider Cross Talk, CERN 2013  
**Higgs to two photons at CMS** (On behalf of CMS collaboration)  
*Invited workshop chalk and talk*
- CMS UK, Oxford 2013  
**Jackknifing the Higgs to gamma gamma analysis**  
*Invited workshop talk*
- CERN Summer School, Arequipa 2013  
**Higgs to two photons at CMS**  
*Poster*
- RAL High Energy Physics Summer School, Oxford 2011  
**Higgs to two photons at CMS**  
*Poster*