

CMS Higgs-related Public Notes forming the basis of the Physics Technical Design Report:

(and a few notes approved soon after the PTDR had been published)

CMS Note 2007/014 [↗](#) A. K. Nayak, A. Nikitenko & T. Aziz **Evaluation of b-jet Energy Corrections Using bbZ ; $Z \rightarrow ll$ Process**

CMS Note 2007/011 [↗](#) E. Yazgan et al. ... **Standard Model Higgs Boson in CMS via VBF in the $H \rightarrow WW \rightarrow ll$ Channel**

CMS Note 2006/136 [↗](#) D. Futyan, D. Fortin & D. Giordano ... **Standard Model Higgs Boson in the $2e2\mu$ Final State with CMS**

CMS Note 2006/130 [↗](#) P. Bartalini et al. **NLO vs. LO: kinematical differences for signal and background in $H \rightarrow ZZ^* \rightarrow 4\mu$...**

CMS Note 2006/126 [↗](#) S. Gennai, A. Nikitenko & L. Wendland **Search for MSSM Heavy Neutral Higgs Boson in jj ...**

CMS Note 2006/125 [↗](#) C. Charlot, R. Salerno & Y. Sirois ... **Heavy Neutral SUSY Higgs Bosons Decaying into Neutralinos**

CMS Note 2006/122 [↗](#) S. Abdullin et al. ... **SM Higgs Boson in the $H \rightarrow ZZ \rightarrow 4\mu$ Decay ... using $M(4\mu)$ -Dependent Cuts**

CMS Note 2006/119 [↗](#) D. Benedetti et al. **Search for $H \rightarrow bb$ in Association with a top Pair at CMS** (*published*)

CMS Note 2006/115 [↗](#) S. Baffioni et al. **Discovery Potential for the SM Higgs Boson in the $H \rightarrow ZZ^* \rightarrow 4e$ Decay Channel**

CMS Note 2006/114 [↗](#) F. Beaudette et al. ... **Light Standard Model Higgs Model in the $H \rightarrow WW^* \rightarrow 2e2\mu$ Channel**

CMS Note 2006/112 [↗](#) M. Pieri et al. **Inclusive Search for the Higgs Boson in the $H \rightarrow 2\gamma$ Channel**

CMS Note 2006/110 [↗](#) M. Lethuillier et al. **Search for a Neutral Higgs Boson with $WH/ZH, H \rightarrow 2\gamma$ Channel**

CMS Note 2006/109 [↗](#) S. Lowette, J. D'Hondt & P. Vanlaer **Charged MSSM Higgs Boson Observability in the $H \rightarrow tb$ Decay**

CMS Note 2006/107 [↗](#) M. Aldaya et al. ... **Mass, Cross-Section and width of the SM Higgs boson using $H \rightarrow ZZ^* \rightarrow 4\mu$...**

CMS Note 2006/106 [↗](#) M. Aldaya et al. ... **SM Higgs boson in the $H \rightarrow ZZ^* \rightarrow 4\mu$... using a mass-independent analysis**

CMS Note 2006/105 [↗](#) A. Kalinowski, M. Konecki & D. Kotlinski ... **MSSM Heavy Neutral Higgs Boson in μj ...**

CMS Note 2006/101 [↗](#) S. Lehti **Study of $H/A \rightarrow e\mu + X$ in CMS**

- CMS Note 2006/100 [↗](#) R. Kinnunen ... **Heavy Charged MSSM Higgs bosons with the $H \rightarrow j$**
- CMS Note 2006/099 [↗](#) S. Lehti **Observability of bbZ Events at CMS as a Benchmark for MSSM bbH Search**
- CMS Note 2006/097 [↗](#) M. Dubinin et al. **Vector Boson Fusion Production with $H \rightarrow ZZ \rightarrow 2e2\mu$**
- CMS Note 2006/094 [↗](#) M. Bluj **A Study of Angular Correlations in $H \rightarrow ZZ \rightarrow 2e2\mu$**
- CMS Note 2006/092 [↗](#) H. Pi et al. ... **SM Higgs Boson via VBF in the $H \rightarrow W+W- \rightarrow 1jj$ with $120 < M_H < 250$ GeV/c²**
- CMS Note 2006/090 [↗](#) F. Moortgat et al. **Search for a light Higgs boson in SUSY cascades**
- CMS Note 2006/088 [↗](#) C. Foudas, A. Nikitenko & M. Takahashi ... **Standard Model Higgs boson via $H \rightarrow l + \text{jet}$ Channel**
- CMS Note 2006/081 [↗](#) T. Rommerskirchen & T. Hebbeker .. **Pair-Produced Doubly Charged Higgs Bosons ... 4μ Final State ...**
- CMS Note 2006/080 [↗](#) J. Fernandez, **Search for MSSM heavy neutral Higgs bosons in the four-b final state**
- CMS Note 2006/079 [↗](#) K. Karafasoulis et al. **Little Higgs Model and Top-like Heavy Quark at CMS**
- CMS Note 2006/075 [↗](#) R. Kinnunen & S. Lehti ... **Heavy Neutral MSSM Higgs Bosons with the $H/A \rightarrow e j$ Decay Mode**
- CMS Note 2006/063 [↗](#) G. Daskalakis & G. Anagnostou, **Search for the MSSM $A \rightarrow Zh$ decay with $Z \rightarrow ll, h \rightarrow bb$**
- CMS Note 2006/056 [↗](#) M. Baarmand, M. Hashemi & A. Nikitenko, **Light Charged Higgs .. in $H \rightarrow \tau \nu$...**
- CMS Note 2006/055 [↗](#) V. Drollinger et al. **Physics Study of the Higgs Decay Channel $H \rightarrow WW \rightarrow 2\mu 2$**
- CMS Note 2006/053 [↗](#) C. Delaere, **Study of associated WH production with $H \rightarrow WW^*$ in the 3 leptons final state**
- CMS Note 2006/048 [↗](#) G. Davatz et al., **Systematic uncertainties of the top background in the $H \rightarrow WW$ channel**
- CMS Note 2006/047 [↗](#) G. Davatz et al., **Standard Model Higgs Discovery Potential of CMS in $H \rightarrow WW \rightarrow 2l2$ channel**

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