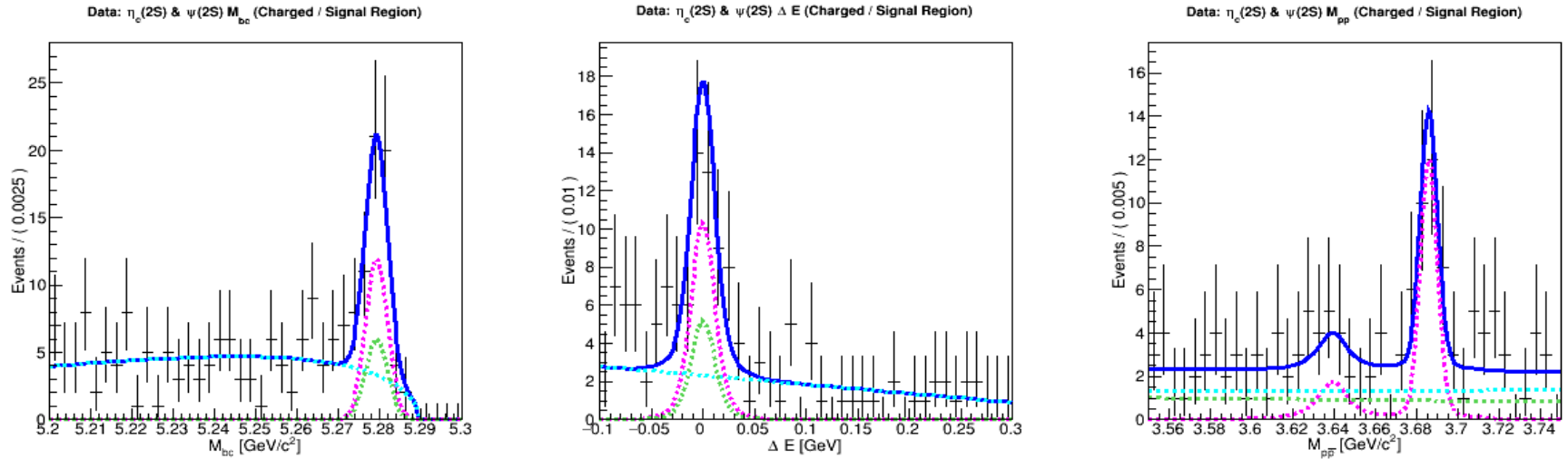
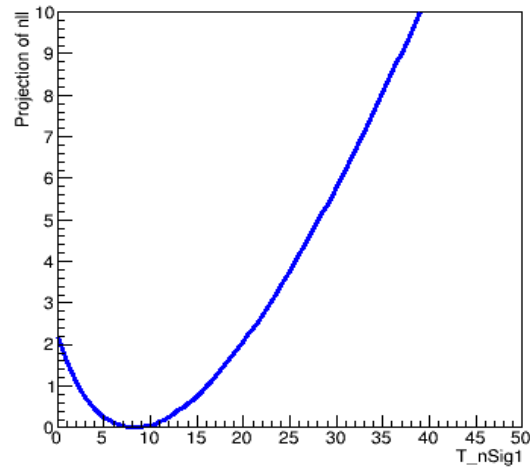
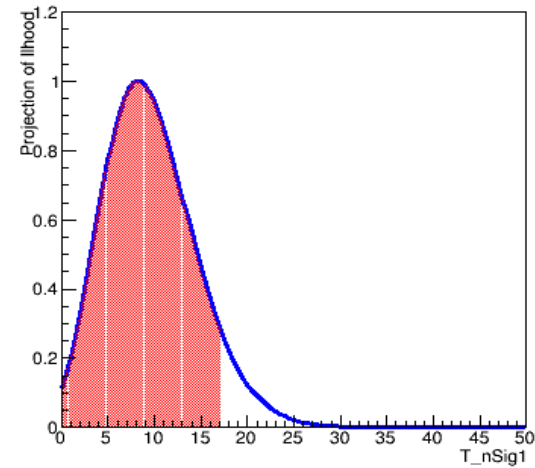
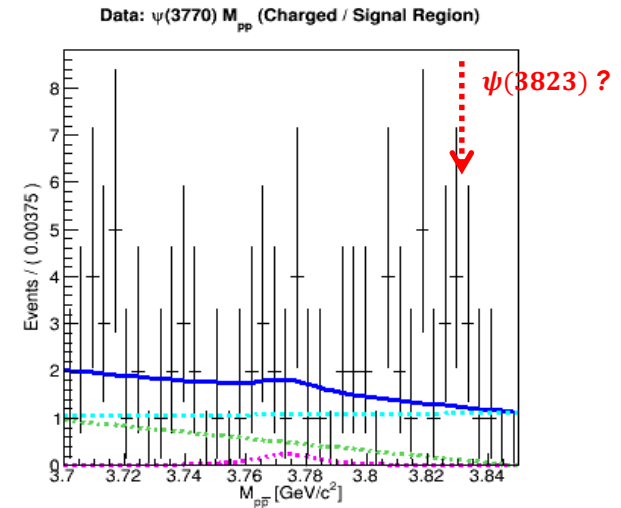
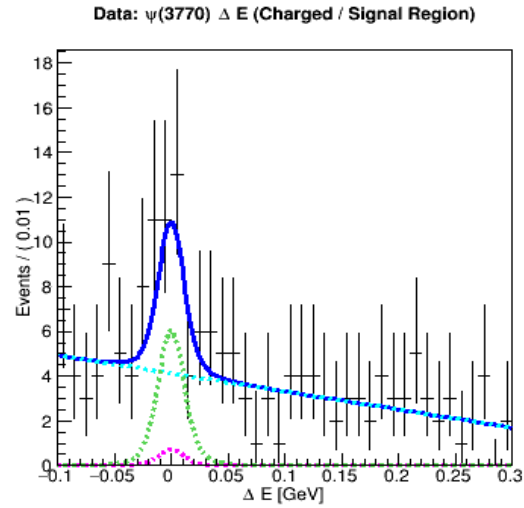
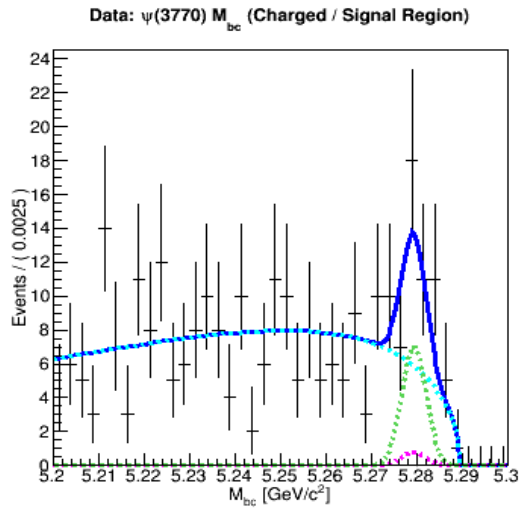
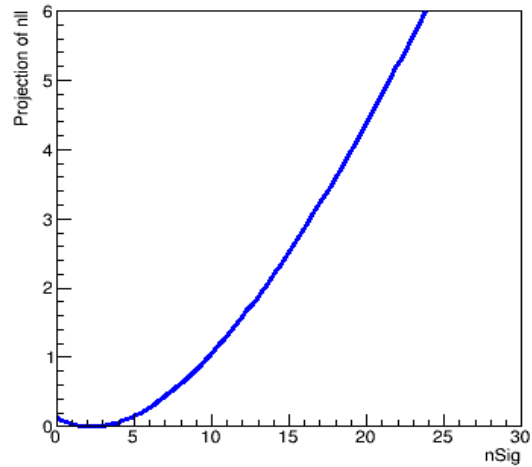
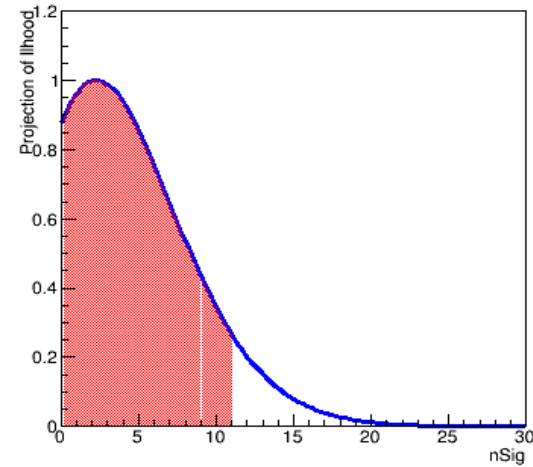


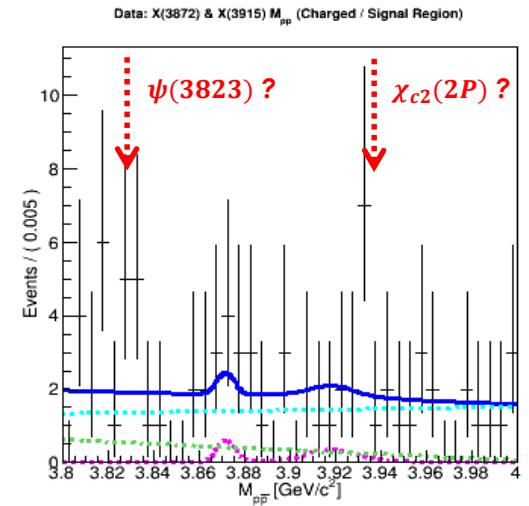
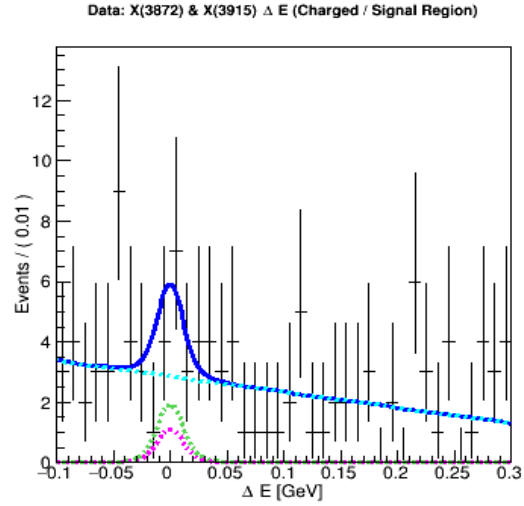
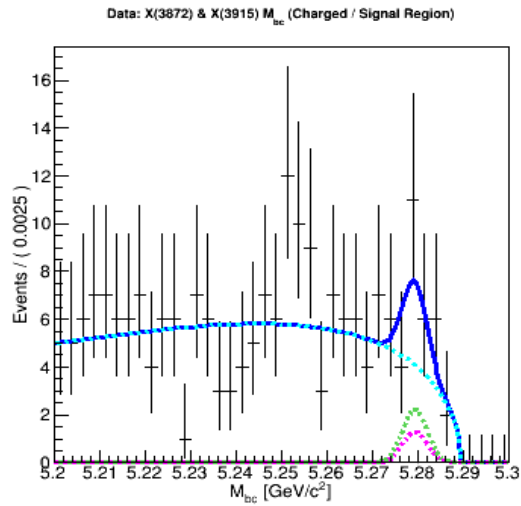
$$B^+ \rightarrow \eta_c(2S), \psi(2S) K^+ \rightarrow p\bar{p}K^+$$

NLL: $\eta_c(2S)$ Likelihood: $\eta_c(2S)$ 

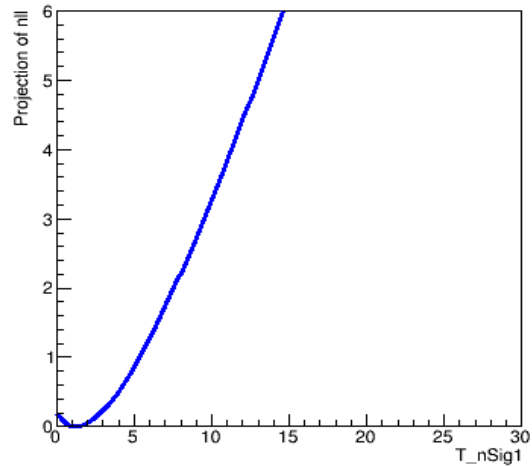
$$B^+ \rightarrow \psi(3770) K^+ \rightarrow p \bar{p} K^+$$

NLL: $\psi(3770)$ Likelihood: $\psi(3770)$ 

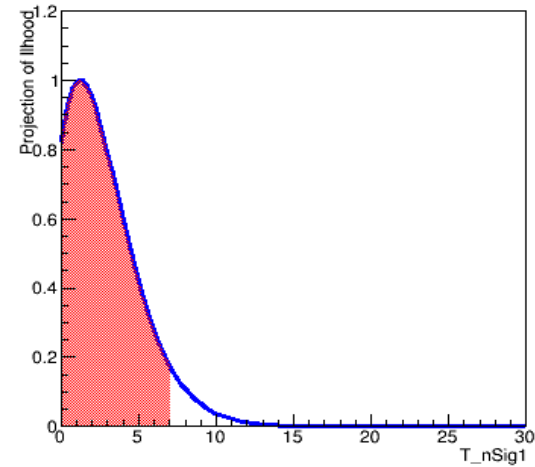
$$B^+ \rightarrow X(3872), X(3915) K^+ \rightarrow p \bar{p} K^+$$



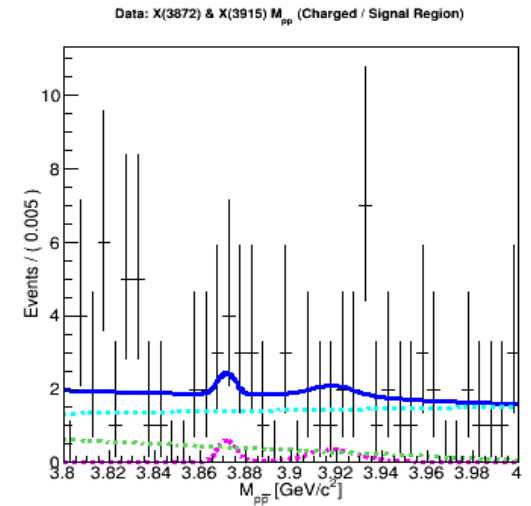
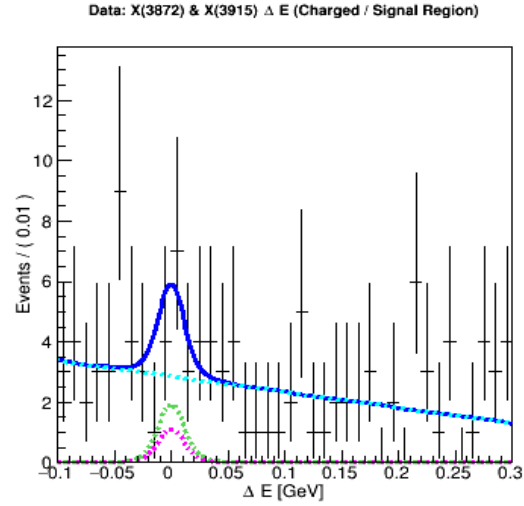
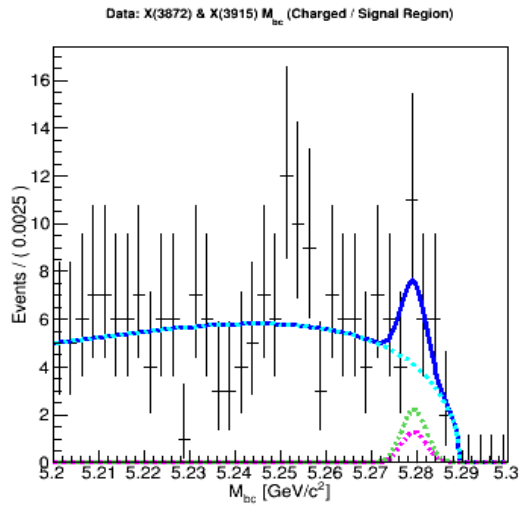
NLL: X(3872)



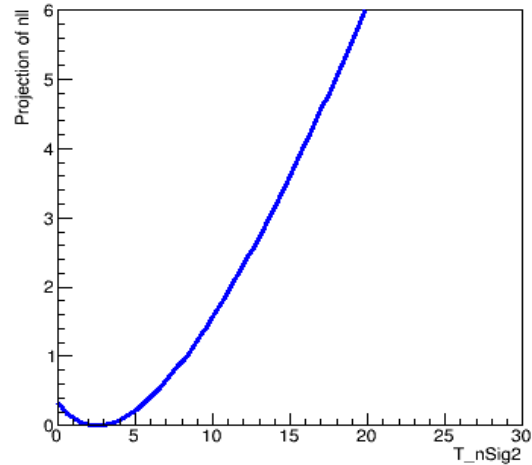
Likelihood: X(3872)



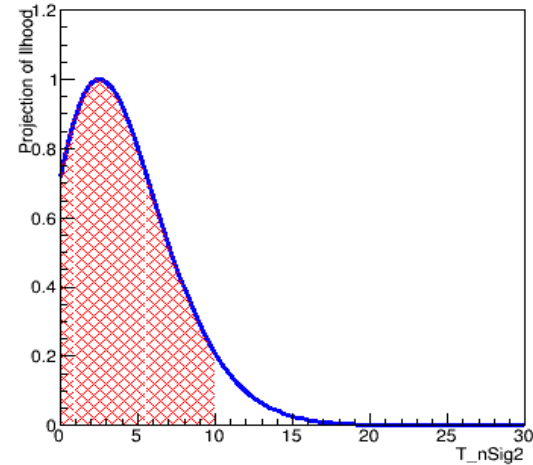
$$B^+ \rightarrow X(3872), X(3915) K^+ \rightarrow p \bar{p} K^+$$



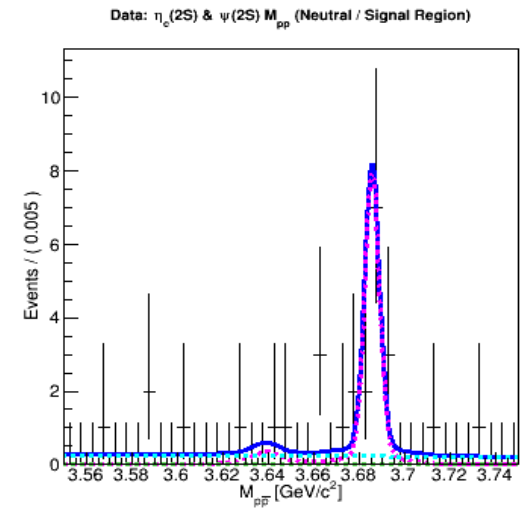
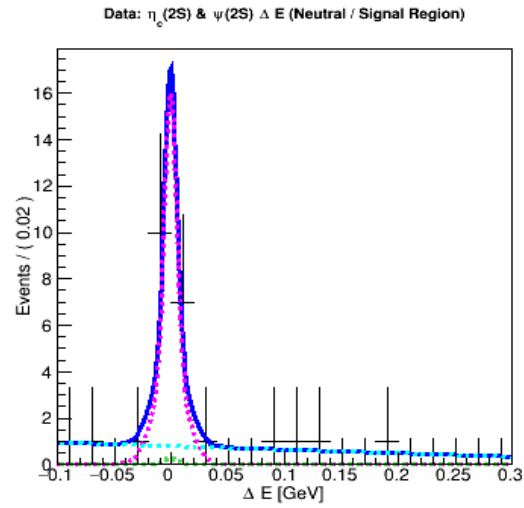
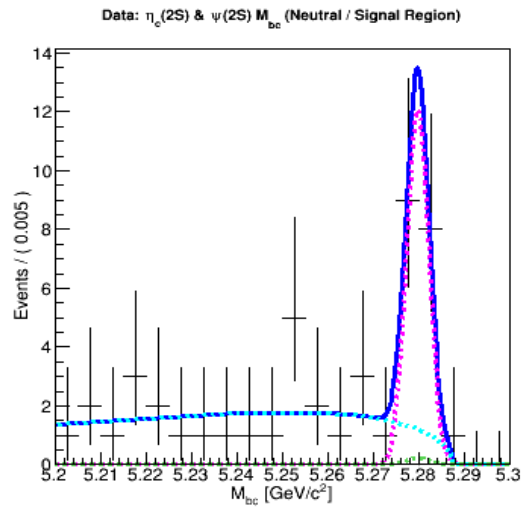
NLL:X(3915)



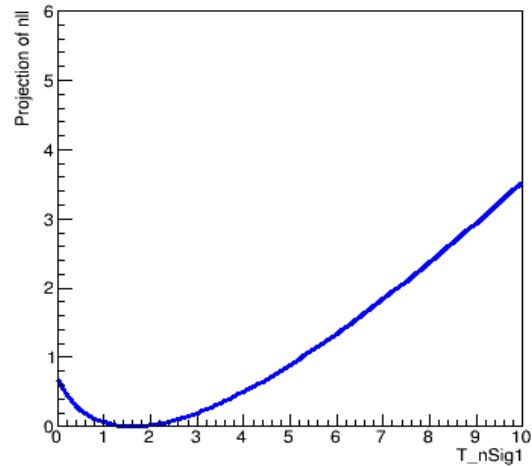
Likelihood:X(3915)



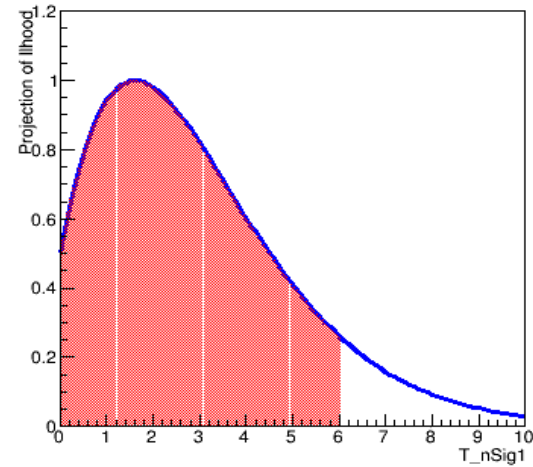
$$B^0 \rightarrow \eta_c(2S), \psi(2S) K_s^0 \rightarrow p \bar{p} K_s^0$$



NLL: $\eta_c(2S)$



Likelihood: $\eta_c(2S)$



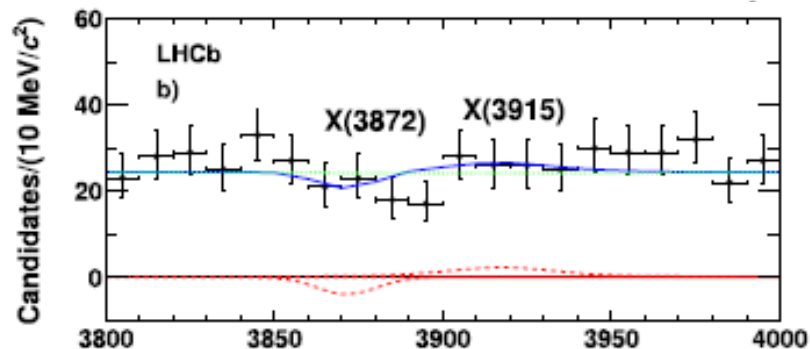
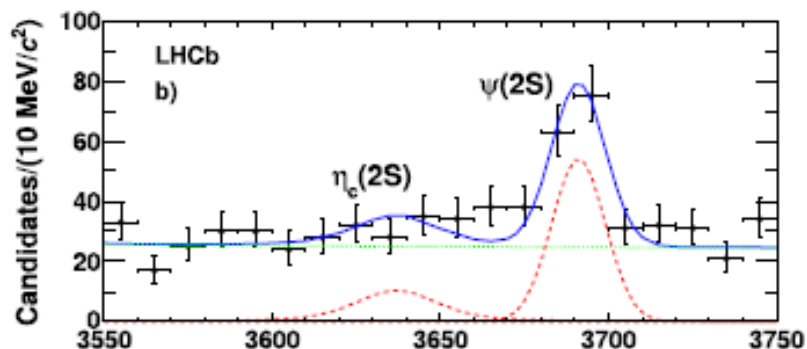
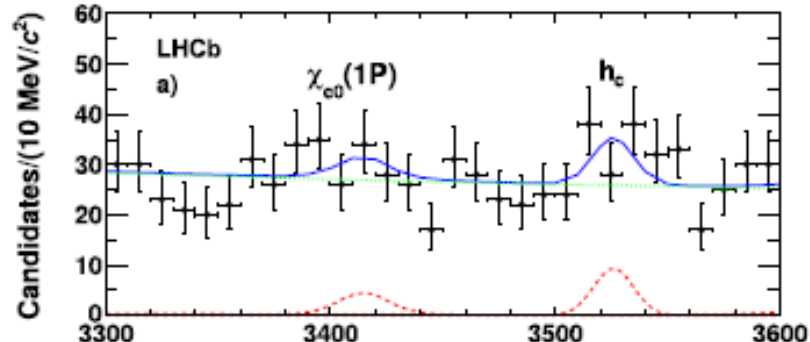
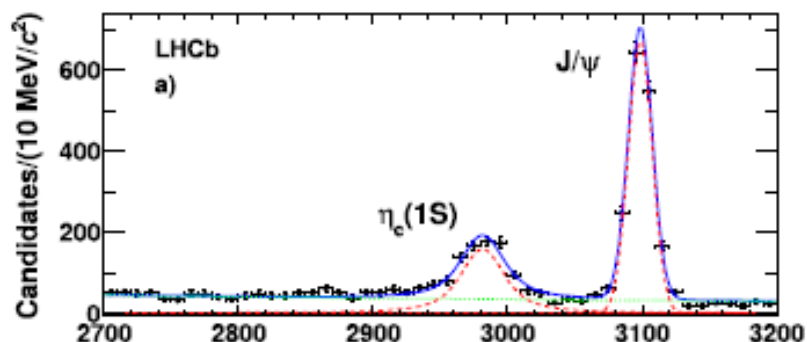
Preliminary Results

statistical error only

B ⁺ Decay	Yield	UL (90% CL)	Eff [%]	Significance (σ)	BF ($\times 10^{-6}$)	UL (90% CL)	PDG 2016 ($\times 10^{-6}$)
$\eta_c(1S)$	327 ± 32	-	30.28	13.47	1.40 ± 0.14		1.44 ± 0.23
J/ψ	535 ± 25	-	31.55	35.26	2.20 ± 0.10		2.18 ± 0.07
$\chi_{c0}(1P)$	15 ± 6	-	19.94	3.21	0.097 ± 0.038		0.0338 ± 0.0036
$\eta_c(2S)$	8.27 ± 5.31	< 17	20.14	1.81	0.0518 ± 0.0333	< 0.106	< 0.106 (95% CL)
$\Psi(2S)$	27.05 ± 6.15	-	20.63	6.65	0.165 ± 0.038		0.180 ± 0.009
$\Psi(3770)$	2.20 ± 5.70	< 11	19.54	1.43	0.0146 ± 0.0378	< 0.073	-
$X(3872)$	1.24 ± 2.35	< 7	20.47	0.59	0.00765 ± 0.0145	< 0.043	< 0.017 (95% CL)
$X(3915)$	2.51 ± 4.06	< 10	19.94	0.64	0.0159 ± 0.0257	< 0.063	< 0.071 (95% CL)

B ⁰ Decay	Yield	UL (90% CL)	Eff [%]	Significance (σ)	BF ($\times 10^{-6}$)	UL (90% CL)	PDG 2016 ($\times 10^{-6}$)
$\eta_c(1S)$	90 ± 11	-	21.18	8.98	0.551 ± 0.069		0.60 ± 0.11
J/ψ	150 ± 13	-	21.90	20.15	0.888 ± 0.076		0.93 ± 0.04
$\chi_{c0}(1P)$							0.0165 ± 0.0031
$\eta_c(2S)$	1.61 ± 0.56	< 6	13.37	0.91	0.016 ± 0.006	< 0.060	-
$\Psi(2S)$	14.17 ± 2.73	-	13.25	6.61	0.143 ± 0.027		0.0835 ± 0.00766
$\Psi(3770)$							-
$X(3872)$							-
$X(3915)$							-

Comparison with LHCb results



B ⁺ Decay	BF (x10 ⁻⁶)	UL (90% CL)	BF (x10 ⁻⁶)	UL (95% CL)
$\eta_c(1S)$	1.40 ± 0.14		1.27 ± 0.08	
$\chi_{c0}(1P)$	0.097 ± 0.038		0.024 ± 0.021	< 0.062
$\eta_c(2S)$	0.052 ± 0.033	< 0.106	0.063 ± 0.025	< 0.106
$\Psi(2S)$	0.165 ± 0.038		0.175 ± 0.027	
X(3872)	0.008 ± 0.015	< 0.043	-0.015 ± 0.013	< 0.017
X(3915)	0.016 ± 0.026	< 0.063	0.022 ± 0.029	< 0.071

Comparison with LHCb results

