

		BDT				
		0. – 0.25	0.25 – 0.5	0.5 – 0.75	0.75 – 1.	
Invariant mass [MeV/ c^2]	5298 – 5318	Expected comb. bkg	$575.5^{+6.5}_{-6.0}$	$6.96^{+0.63}_{-0.57}$	$1.19^{+0.39}_{-0.35}$	$0.111^{+0.083}_{-0.066}$
		Expected peak. bkg	$0.126^{+0.037}_{-0.030}$	$0.124^{+0.037}_{-0.030}$	$0.124^{+0.037}_{-0.030}$	$0.127^{+0.038}_{-0.031}$
		Expected signal	$0.059^{+0.023}_{-0.022}$	$0.0329^{+0.0128}_{-0.0095}$	$0.0415^{+0.0120}_{-0.0085}$	$0.0411^{+0.0135}_{-0.0099}$
		Observed	533	10	1	0
	5318 – 5338	Expected comb. bkg	$566.8^{+6.3}_{-5.8}$	$6.90^{+0.61}_{-0.55}$	$1.16^{+0.38}_{-0.34}$	$0.109^{+0.079}_{-0.063}$
		Expected peak. bkg	$0.052^{+0.023}_{-0.018}$	$0.054^{+0.026}_{-0.019}$	$0.052^{+0.024}_{-0.018}$	$0.051^{+0.023}_{-0.018}$
		Expected signal	$0.205^{+0.073}_{-0.074}$	$0.114^{+0.040}_{-0.031}$	$0.142^{+0.036}_{-0.025}$	$0.142^{+0.042}_{-0.031}$
		Observed	525	9	0	1
	5338 – 5358	Expected comb. bkg	$558.2^{+6.1}_{-5.6}$	$6.84^{+0.59}_{-0.54}$	$1.14^{+0.37}_{-0.33}$	$0.106^{+0.075}_{-0.060}$
		Expected peak. bkg	$0.024^{+0.028}_{-0.012}$	$0.025^{+0.026}_{-0.012}$	$0.024^{+0.027}_{-0.012}$	$0.025^{+0.025}_{-0.012}$
		Expected signal	$0.38^{+0.14}_{-0.14}$	$0.213^{+0.075}_{-0.058}$	$0.267^{+0.065}_{-0.047}$	$0.265^{+0.077}_{-0.058}$
		Observed	561	6	2	1
	5358 – 5378	Expected comb. bkg	$549.8^{+6.0}_{-5.4}$	$6.77^{+0.57}_{-0.52}$	$1.11^{+0.36}_{-0.32}$	$0.103^{+0.073}_{-0.057}$
		Expected peak. bkg	$0.0145^{+0.0220}_{-0.0091}$	$0.0151^{+0.0230}_{-0.0091}$	$0.0153^{+0.0232}_{-0.0098}$	$0.015^{+0.023}_{-0.010}$
		Expected signal	$0.38^{+0.14}_{-0.14}$	$0.213^{+0.075}_{-0.057}$	$0.267^{+0.065}_{-0.047}$	$0.265^{+0.077}_{-0.057}$
		Observed	515	7	0	0
5378 – 5398	Expected comb. bkg	$541.5^{+5.8}_{-5.3}$	$6.71^{+0.55}_{-0.51}$	$1.09^{+0.34}_{-0.31}$	$0.101^{+0.070}_{-0.054}$	
	Expected peak. bkg	$0.0115^{+0.0175}_{-0.0086}$	$0.0116^{+0.0177}_{-0.0090}$	$0.0118^{+0.0179}_{-0.0090}$	$0.0118^{+0.0179}_{-0.0088}$	
	Expected signal	$0.204^{+0.073}_{-0.074}$	$0.114^{+0.040}_{-0.031}$	$0.142^{+0.036}_{-0.026}$	$0.141^{+0.042}_{-0.031}$	
	Observed	547	10	1	1	
5398 – 5418	Expected comb. bkg	$533.4^{+5.7}_{-5.2}$	$6.65^{+0.53}_{-0.49}$	$1.07^{+0.34}_{-0.30}$	$0.098^{+0.068}_{-0.051}$	
	Expected peak. bkg	$0.0089^{+0.0136}_{-0.0065}$	$0.0088^{+0.0133}_{-0.0066}$	$0.0091^{+0.0138}_{-0.0070}$	$0.0090^{+0.0137}_{-0.0065}$	
	Expected signal	$0.058^{+0.024}_{-0.021}$	$0.0323^{+0.0128}_{-0.0093}$	$0.0407^{+0.0120}_{-0.0087}$	$0.0402^{+0.0137}_{-0.0097}$	
	Observed	501	4	1	0	