

TABLE I: Predicted spectra of pentaquarks $nnnb\bar{n}$.

State	J^P	R_0	M_{bag}	μ_{bag}	
$(nnnb\bar{n})^{I_{nnn}=3/2}$	$5/2^-$	5.94	6.735	7.33, 4.15, 0.97, -2.20, -5.38	
		$3/2^-$	5.95	6.852	3.93, 1.33, 0.74, 0.15, -2.45
			5.91	6.714	6.55, 0.78, 0.92, 1.06, -4.71
			5.88	6.571	3.96, 1.36, 0.76, 0.15, -2.45
	$1/2^-$	5.99	6.954	0.15, 0.39, 0.08, -0.22, 0.01	
			5.96	6.860	2.53, 0.68, 0.48, 0.26, -1.58
			5.87	6.563	2.56, 0.66, 0.47, 0.28, -1.62
	$(nnnb\bar{n})^{I_{nnn}=1/2}$	$5/2^-$	5.94	6.735	4.15, 0.97, -2.20
		$3/2^-$	5.93	6.726	2.62, 0.88, -0.86
				5.90	6.705
			5.87	6.489	2.01, 0.09, -1.83
			5.81	6.236	1.99, 0.75, -0.50
$1/2^-$		5.91	6.709	1.42, 0.44, -0.54	
			5.88	6.574	-0.06, -0.19, -0.32
			5.85	6.476	1.41, 0.15, -1.12
			5.80	6.274	-0.05, 0.00, 0.05
		5.74	6.195	1.36, 0.56, -0.25	

TABLE II: Predicted spectra of pentaquarks $nnnb\bar{n}$.

State	J^P	M_{bag}	Threshold	
$(nnnb\bar{n})^{I_{nnn}=3/2}$	$5/2^-$	6.735	$\Sigma_b^*\omega(6.616), \Delta B^*(6.557)$	
		6.852	$\Sigma_b^*\omega(6.616), \Delta B^*(6.557), \Sigma_b\omega(6.597), \Delta B(6.512), NB^*(6.264), \Sigma_b^*\pi(5.973)$	
		6.714		
		6.571		
	$1/2^-$	6.954	$\Sigma_b^*\omega(6.616), \Delta B^*(6.557), \Sigma_b\omega(6.597), NB^*(6.264), NB(6.219), \Sigma_b\pi(5.954), \Lambda_b\pi(5.760)$	
		6.860		
		6.563		
	$(nnnb\bar{n})^{I_{nnn}=1/2}$	$5/2^-$	6.735	$\Sigma_b^*\omega(6.616), \Delta B^*(6.557)$
			6.726	$\Sigma_b^*\omega(6.616), \Delta B^*(6.557), \Sigma_b\omega(6.597), \Delta B(6.512), \Lambda_b\omega(6.403), NB^*(6.264), \Sigma_b^*\pi(5.973)$
			6.705	
6.489				
$1/2^-$		6.236		
		6.709	$\Sigma_b^*\omega(6.616), \Delta B^*(6.557), \Sigma_b\omega(6.597), \Lambda_b\omega(6.403), NB^*(6.264), NB(6.219), \Sigma_b\pi(5.954), \Lambda_b\pi(5.760)$	
		6.574		
6.476				
6.274				
6.195				

TABLE III: Predicted spectra of pentaquarks $nnnb\bar{s}$.

State	J^P	R_0	M_{bag}	μ_{bag}
$(nnnb\bar{s})^{I=3/2}$	$5/2^-$	5.95	6.836	7.06, 3.88, 0.69, -2.49
		5.98	6.971	3.53, 1.91, 0.29, -1.33
		5.93	6.821	6.11, 3.46, 0.82, -1.83
		5.87	6.742	4.43, 2.15, -0.14, -2.42
	$1/2^-$	6.03	7.085	0.15, -0.02, -0.18, -0.34
		5.99	6.973	2.29, 1.31, 0.33, -0.65
		5.87	6.738	2.72, 1.40, 0.08, -1.24
$(nnnb\bar{s})^{I=1/2}$	$5/2^-$	5.97	6.884	3.89, 0.69
		3/2 $^-$	5.97	6.869
		5.94	6.850	2.64, 0.68
		5.87	6.615	1.85, 0.36
		5.80	6.452	1.85, 0.29
	$1/2^-$	5.95	6.848	1.36, 0.23
		5.91	6.701	-0.09, -0.02
		5.86	6.607	1.30, 0.34
		5.80	6.452	0.05, 0.00
		5.73	6.408	1.20, 0.14

TABLE IV: Predicted spectra of pentaquarks $nnnb\bar{s}$.

State	J^P	M_{bag}	Threshold	
$(nnnb\bar{s})^{I=3/2}$	$5/2^-$	6.836	$\Sigma_b^* K^*(6.727), \Delta B_s^*(6.647)$	
		$3/2^-$	6.971	$\Sigma_b^* K^*(6.727), \Sigma_b K^*(6.708), \Delta B_s^*(6.647), \Delta B_s(6.599), \Sigma_b^* K(6.329)$
		6.821		
		6.742		
	$1/2^-$	7.085	$\Sigma_b^* K^*(6.727), \Sigma_b K^*(6.708), \Delta B_s^*(6.647), \Sigma_b K(6.310)$	
		6.973		
		6.738		
	$(nnnb\bar{s})^{I=1/2}$	$5/2^-$	6.884	$\Sigma_b^* K^*(6.727)$
		$3/2^-$	6.869	$\Sigma_b^* K^*(6.727), \Sigma_b K^*(6.708), NB_s^*(6.354), \Lambda_b K^*(6.514), \Sigma_b^* K(6.329)$
6.850				
6.615				
6.452				
$1/2^-$		6.848	$\Sigma_b^* K^*(6.727), \Sigma_b K^*(6.708), NB_s^*(6.354), \Lambda_b K^*(6.514), \Sigma_b K(6.310), NB_s(6.306), \Lambda_b K(6.116)$	
		6.701		
		6.607		
		6.452		
		6.408		

TABLE V: Predicted spectra of pentaquarks $nnnc\bar{n}$.

State	J^P	R_0	M_{bag}	μ_{bag}	
$(nnnc\bar{n})^{I_{nnn}=3/2}$	$5/2^-$	6.07	3.348	8.09, 4.84, 1.59, -1.66, -4.92	
		$3/2^-$	6.06	3.442	4.55, 1.79, 1.29, 0.80, -1.96
			6.05	3.310	5.90, 0.17, 0.55, 0.93, -4.80
			5.94	3.147	5.09, 2.39, 1.44, 0.49, -2.21
	$1/2^-$	6.14	3.569	1.24, 1.57, 0.83, 0.07, 0.40	
			6.05	3.451	1.95, 0.12, 0.21, 0.30, -1.53
			5.97	3.144	2.34, 0.27, 0.22, 0.16, -1.92
	$(nnnc\bar{n})^{I_{nnn}=1/2}$	$5/2^-$	6.07	3.348	4.84, 1.59, -1.66
		$3/2^-$	6.07	3.338	2.88, 1.25, -0.39
				5.98	3.270
			5.99	3.092	2.66, 1.27, -1.39
			5.96	2.857	2.63, 1.38, 0.11
$1/2^-$		6.04	3.304	1.20, 0.37, -0.47	
			5.97	3.160	0.58, 0.20, -0.19
			5.96	3.060	1.21, -0.08, -1.38
			5.92	2.871	0.58, 0.69, 0.79
		5.79	2.738	1.16, 0.39, -0.38	

TABLE VI: Predicted spectra of pentaquarks $nnnc\bar{n}$.

State	J^P	M_{bag}	Threshold	
$(nnnc\bar{n})^{I_{nnn}=3/2}$	$5/2^-$	3.348	$\Sigma_c^*\omega(3.301), \Delta D^*(3.241)$	
		3.442	$\Sigma_c^*\omega(3.301), \Delta D^*(3.241), \Sigma_c\omega(3.237), \Delta D(3.100), ND^*(2.948), \Sigma_c^*\pi(2.658)$	
		3.310		
		3.147		
	$1/2^-$	3.569	$\Sigma_c^*\omega(3.301), \Delta D^*(3.241), \Sigma_c\omega(3.237), ND^*(2.948), ND(2.807), \Sigma_c\pi(2.594), \Lambda_c\pi(2.426)$	
		3.451		
		3.144		
	$(nnnc\bar{n})^{I_{nnn}=1/2}$	$5/2^-$	3.348	$\Sigma_c^*\omega(3.301), \Delta D^*(3.241)$
			3.338	$\Sigma_c^*\omega(3.301), \Delta D^*(3.241), \Sigma_c\omega(3.237), \Delta D(3.100), \Lambda_c\omega(3.069), ND^*(2.948), \Sigma_c^*\pi(2.658)$
			3.270	
3.092				
$1/2^-$		2.857		
		3.304	$\Sigma_c^*\omega(3.301), \Delta D^*(3.241), \Sigma_c\omega(3.237), \Lambda_c\omega(3.069), ND^*(2.948), ND(2.807), \Sigma_c\pi(2.594), \Lambda_c\pi(2.426)$	
		3.160		
		3.060		
		2.871		
		2.738		

TABLE VII: Predicted spectra of pentaquarks $nnnc\bar{s}$.

State	J^P	R_0	M_{bag}	μ_{bag}
$(nnnc\bar{s})^{I=3/2}$	$5/2^-$	6.09	3.461	7.81, 4.56, 1.30, -1.96
		6.09	3.569	4.17, 2.54, 0.90, -0.74
		6.08	3.443	5.46, 3.06, 0.65, -1.76
		5.93	3.321	5.50, 2.88, 0.27, -2.35
	$1/2^-$	6.17	3.696	1.22, 0.71, 0.20, -0.32
		6.08	3.566	1.80, 1.04, 0.27, -0.50
		5.96	3.330	2.43, 1.20, -0.03, -1.26
		5.96	3.330	2.43, 1.20, -0.03, -1.26
$(nnnc\bar{s})^{I=1/2}$	$5/2^-$	6.10	3.496	4.57, 1.30
		6.10	3.478	2.83, 0.54
		6.01	3.415	3.03, 0.69
		5.99	3.221	2.47, 1.02
	$1/2^-$	5.95	3.081	2.50, 0.85
		6.08	3.439	1.17, 0.00
		6.00	3.291	0.49, 0.65
		5.97	3.204	1.08, 0.26
		5.92	3.063	0.64, 0.36
		5.77	2.957	1.08, 0.02
		5.77	2.957	1.08, 0.02

TABLE VIII: Predicted spectra of pentaquarks $nnnc\bar{s}$.

State	J^P	M_{bag}	Threshold
$(nnnc\bar{s})^{I=3/2}$	$5/2^-$	3.461	$\Sigma_c^* K^*(3.412), \Delta D_s^*(3.344)$
	$3/2^-$	3.569	$\Sigma_c^* K^*(3.412), \Sigma_c K^*(3.348), \Delta D_s^*(3.344), \Delta D_s(3.200), \Sigma_c^* K(3.014)$
		3.443	
		3.321	
	$1/2^-$	3.696	$\Sigma_c^* K^*(3.412), \Sigma_c K^*(3.348), \Delta D_s^*(3.344), \Sigma_c K(2.950)$
		3.566	
		3.330	
		3.330	
$(nnnc\bar{s})^{I=1/2}$	$5/2^-$	3.496	$\Sigma_c^* K^*(3.412)$
	$3/2^-$	3.478	$\Sigma_c^* K^*(3.412), \Sigma_c K^*(3.348), ND_s^*(3.051), \Lambda_c K^*(3.180), \Sigma_c^* K(3.014)$
		3.415	
		3.221	
	$1/2^-$	3.081	
		3.439	$\Sigma_c^* K^*(3.412), \Sigma_c K^*(3.348), ND_s^*(3.051), \Lambda_c K^*(3.180), \Sigma_c K(2.950), ND_s(2.907), \Lambda_c K(2.782)$
		3.291	
		3.204	
		3.063	
		2.957	

TABLE IX: Predicted spectra of pentaquarks $nmsb\bar{n}$.

State	J^P	R_0	M_{bag}	μ_{bag}
$(nmsb\bar{n})^{I_{nn}=1}$	$5/2^-$	5.90	6.889	4.40, 1.25, -1.91, -5.07
		5.90	6.857	4.40, 1.25, -1.91, -5.07
	$3/2^-$	5.90	6.975	2.09, 0.91, -0.50, -2.17
		5.90	6.876	2.15, 0.65, -1.17, -2.67
		5.90	6.865	3.49, 0.81, -1.58, -4.25
		5.90	6.834	3.56, 0.81, -1.63, -4.38
		5.90	6.718	2.95, 1.34, -0.87, -2.48
		5.90	6.680	4.02, 1.51, -0.70, -3.21
		5.90	6.453	2.68, 1.36, -0.88, -2.20
		5.90	7.055	0.06, 0.18, -0.09, 0.03
		5.90	6.983	1.33, 0.49, -0.57, -1.40
		5.90	6.862	0.91, 0.13, -0.67, -1.45
		5.90	6.768	-0.31, -0.41, -0.16, -0.26
		5.90	6.709	2.00, 0.85, -0.49, -1.65
		5.90	6.665	2.82, 1.16, -0.37, -2.02
		5.90	6.444	-0.55, -0.37, -0.24, -0.05
		5.90	6.416	2.42, 1.39, -0.33, -1.37
	$5/2^-$	5.90	6.857	1.91, -1.25
		5.90	6.843	0.66, -0.87
	$3/2^-$	5.90	6.827	1.68, -1.18
		5.90	6.653	0.13, -2.61
		5.90	6.621	0.96, -2.14
		5.90	6.360	-0.24, -0.76
		5.90	6.824	0.71, -0.19
		5.90	6.705	0.16, -0.26
		5.90	6.637	0.16, -1.62
		5.90	6.621	0.69, -1.33
$(nmsb\bar{n})^{I_{nn}=0}$	$1/2^-$	5.90	6.475	-0.15, 0.10
		5.90	6.325	-0.10, -0.47
		5.90	6.107	-0.09, -0.12

TABLE X: Predicted spectra of pentaquarks $nnsb\bar{n}$.

State	J^P	M_{bag}	Threshold
$(nnsb\bar{n})^{I_{nn}=1}$	$5/2^-$	6.889	$\Xi_b^*\omega(6.737), \Sigma_b^*K^*(6.727)$
		6.857	
	$3/2^-$	6.975	$\Xi_b^*\omega(6.737), \Sigma_b^*K^*(6.727), \Sigma_b K^*(6.708), \Xi_b\omega(6.577), \Lambda_b K^*(6.514), \Lambda B^*(6.441), \Sigma_b^*K(6.329), \Xi_b^*\pi(6.094)$
		6.876	
		6.865	
		6.834	
		6.718	
		6.680	
		6.453	
	$1/2^-$	7.055	$\Xi_b^*\omega(6.737), \Sigma_b^*K^*(6.727), \Sigma_b K^*(6.708), \Xi_b\omega(6.577), \Lambda_b K^*(6.514), \Lambda B^*(6.441), \Lambda B(6.396), \Sigma_b K(6.310)$ $\Lambda_b K(6.116), \Xi_b\pi(5.934)$
		6.983	
		6.862	
		6.768	
		6.709	
		6.665	
		6.444	
		6.416	
$(nnsb\bar{n})^{I_{nn}=0}$	$5/2^-$	6.857	$\Xi_b^*\omega(6.737), \Sigma_b^*K^*(6.727)$
	$3/2^-$	6.843	$\Xi_b^*\omega(6.737), \Sigma_b^*K^*(6.727), \Sigma_b K^*(6.708), \Xi_b\omega(6.577), \Lambda_b K^*(6.514), \Lambda B^*(6.441), \Sigma_b^*K(6.329), \Xi_b^*\pi(6.094)$
		6.827	
		6.653	
		6.621	
		6.360	
	$1/2^-$	6.824	$\Xi_b^*\omega(6.737), \Sigma_b^*K^*(6.727), \Sigma_b K^*(6.708), \Xi_b\omega(6.577), \Lambda_b K^*(6.514), \Lambda B^*(6.441), \Lambda B(6.396), \Sigma_b K(6.310)$ $\Lambda_b K(6.116), \Xi_b\pi(5.934)$
		6.705	
		6.637	
		6.621	
		6.475	
		6.325	
		6.107	

TABLE XI: Predicted spectra of pentaquarks $nmsb\bar{s}$.

State	J^P	R_0	M_{bag}	μ_{bag}
$(nmsb\bar{s})^{I=1}$	$5/2^-$	5.92	7.028	4.14, 0.97, -2.20
		5.92	6.973	4.14, 0.97, -2.20
	$3/2^-$	5.92	7.091	2.05, 0.37, -1.31
		5.92	7.019	2.18, 0.22, -1.73
		5.92	7.000	2.68, 0.70, -1.29
		5.92	6.959	3.57, 1.00, -1.57
		5.92	6.890	3.03, 0.46, -2.10
		5.92	6.796	3.59, 1.29, -1.02
		5.92	6.670	2.85, 0.70, -1.44
	$1/2^-$	5.92	7.189	0.06, -0.15, -0.35
		5.92	7.095	1.29, 0.33, -0.62
		5.92	7.004	0.82, 0.03, -0.77
		5.92	6.889	0.25, -0.08, -0.41
		5.92	6.884	1.46, 0.46, -0.55
		5.92	6.788	2.47, 0.96, -0.55
		5.92	6.642	0.01, -0.15, -0.32
		5.92	6.621	1.97, 0.60, -0.77
$(nmsb\bar{s})^{I=0}$	$5/2^-$	5.92	7.005	0.97
	$3/2^-$	5.92	6.989	0.57
		5.92	6.972	1.37
		5.92	6.772	0.12
		5.92	6.766	0.43
		5.92	6.587	-0.24
	$1/2^-$	5.92	6.967	0.63
		5.92	6.833	0.03
		5.92	6.768	0.50
		5.92	6.760	0.10
		5.92	6.643	-0.07
		5.92	6.551	-0.17
		5.92	6.368	-0.10

TABLE XII: Predicted spectra of pentaquarks $n\bar{n}sc\bar{n}$.

State	J^P	R_0	M_{bag}	μ_{bag}
$(n\bar{n}sc\bar{n})^{I_{nn}=1}$	$5/2^-$	6.02	3.500	5.09, 1.87, -1.35, -4.57
		6.02	3.476	5.09, 1.87, -1.35, -4.57
	$3/2^-$	6.02	3.567	2.76, 1.46, -0.43, -1.73
		6.02	3.493	0.44, 1.51, -0.04, -2.13
		6.02	3.453	3.90, 0.99, -1.66, -4.58
		6.02	3.410	2.93, 0.28, -1.82, -4.47
		6.02	3.301	3.92, 2.14, -0.49, -2.27
		6.02	3.286	4.43, 1.98, -0.24, -2.68
		6.02	3.076	3.33, 1.98, -0.30, -1.65
	$1/2^-$	6.02	3.677	0.78, 0.91, 0.23, 0.36
		6.02	3.576	1.04, 0.23, -0.49, -1.31
		6.02	3.466	0.92, 0.25, -0.66, -1.33
		6.02	3.354	-0.02, -0.34, 0.16, -0.16
		6.02	3.293	1.82, 0.59, -0.70, -1.93
		6.02	3.251	2.65, 1.00, -0.50, -2.14
		6.02	3.049	0.00, 0.25, 0.23, 0.48
		6.02	2.969	2.47, 1.39, -0.42, -1.50
$(n\bar{n}sc\bar{n})^{I_{nn}=0}$	$5/2^-$	6.02	3.476	1.87, -1.35
		6.02	3.459	0.97, -0.14
	$3/2^-$	6.02	3.407	1.68, -1.53
		6.02	3.255	0.75, -2.19
		6.02	3.225	1.54, -1.64
		6.02	2.985	0.35, -0.15
	$1/2^-$	6.02	3.426	0.40, -0.16
		6.02	3.299	1.02, -0.04
		6.02	3.227	0.35, -1.60
		6.02	3.219	0.24, -1.79
		6.02	3.069	0.24, 0.91
		6.02	2.884	-0.32, -0.69
		6.02	2.713	0.48, 0.40

TABLE XIII: Predicted spectra of pentaquarks $n\bar{n}s\bar{c}\bar{n}$.

State	J^P	M_{bag}	Threshold
$(n\bar{n}s\bar{c}\bar{n})^{I_{nn}=1}$	$5/2^-$	3.500	$\Xi_c^*\omega(3.429), \Sigma_c^*K^*(3.412)$
		3.476	
	$3/2^-$	3.567	$\Xi_c^*\omega(3.429), \Sigma_c^*K^*(3.412), \Sigma_c K^*(3.348), \Xi_c\omega(3.252), \Lambda_c K^*(3.180), \Lambda D^*(3.125), \Sigma_c^*K(3.014), \Xi_c^*\pi(2.786)$
		3.493	
		3.453	
		3.410	
		3.301	
		3.286	
		3.076	
	$1/2^-$	3.677	$\Xi_c^*\omega(3.429), \Sigma_c^*K^*(3.412), \Sigma_c K^*(3.348), \Xi_c\omega(3.252), \Lambda_c K^*(3.180), \Lambda D^*(3.125), \Lambda D(2.984), \Sigma_c K(2.950)$ $\Lambda_c K(2.782), \Xi_c\pi(2.609)$
		3.576	
		3.466	
		3.354	
		3.293	
		3.251	
		3.049	
		2.969	
$(n\bar{n}s\bar{c}\bar{n})^{I_{nn}=0}$	$5/2^-$	3.476	$\Xi_c^*\omega(3.429), \Sigma_c^*K^*(3.412)$
	$3/2^-$	3.459	$\Xi_c^*\omega(3.429), \Sigma_c^*K^*(3.412), \Sigma_c K^*(3.348), \Xi_c\omega(3.252), \Lambda_c K^*(3.180), \Lambda D^*(3.125), \Sigma_c^*K(3.014), \Xi_c^*\pi(2.786)$
		3.407	
		3.255	
		3.225	
		2.985	
	$1/2^-$	3.426	$\Xi_c^*\omega(3.429), \Sigma_c^*K^*(3.412), \Sigma_c K^*(3.348), \Xi_c\omega(3.252), \Lambda_c K^*(3.180), \Lambda D^*(3.125), \Lambda D(2.984), \Sigma_c K(2.950)$ $\Lambda_c K(2.782), \Xi_c\pi(2.609)$
		3.299	
		3.227	
		3.219	
		3.069	
		2.884	
		2.713	

TABLE XIV: Predicted spectra of pentaquarks $n\bar{n}sc\bar{s}$.

State	J^P	R_0	M_{bag}	μ_{bag}
$(n\bar{n}sc\bar{s})^{I=1}$	$5/2^-$	6.03	3.642	4.81, 1.58, -1.64
		6.03	3.600	4.81, 1.58, -1.64
	$3/2^-$	6.03	3.692	2.71, 1.01, -0.69
		6.03	3.635	2.34, 0.52, -1.30
		6.03	3.589	3.53, 0.98, -1.58
		6.03	3.558	2.56, 0.56, -1.44
		6.03	3.474	3.77, 0.85, -2.07
		6.03	3.409	4.21, 1.93, -0.35
		6.03	3.298	3.48, 1.26, -0.96
	$1/2^-$	6.03	3.806	0.83, 0.24, -0.34
		6.03	3.692	0.97, 0.27, -0.42
		6.03	3.603	0.88, -0.07, -1.02
		6.03	3.484	0.48, 0.20, -0.08
		6.03	3.473	1.32, 0.57, -0.17
		6.03	3.393	2.21, 0.84, -0.52
		6.03	3.252	-0.09, -0.06, -0.02
		6.03	3.183	2.70, 0.83, -1.05
$(n\bar{n}sc\bar{s})^{I=0}$	$5/2^-$	6.03	3.623	1.58
	$3/2^-$	6.03	3.600	0.83
		6.03	3.551	1.41
		6.03	3.378	0.45
		6.03	3.370	1.28
		6.03	3.219	0.35
	$1/2^-$	6.03	3.564	0.33
		6.03	3.431	0.78
		6.03	3.370	0.27
		6.03	3.361	0.12
		6.03	3.251	0.35
		6.03	3.113	-0.39
		6.03	2.975	0.46

TABLE XV: Predicted spectra of pentaquarks $ssnb\bar{n}$.

State	J^P	R_0	M_{bag}	μ_{bag}
$ssnb\bar{n}$	$5/2^-$	5.92	7.030	1.53, -1.64, -4.80
		5.92	6.982	1.53, -1.64, -4.80
	$3/2^-$	5.92	7.102	0.23, -0.85, -1.93
		5.92	7.008	1.63, -1.29, -4.19
		5.92	6.976	0.54, -1.07, -2.69
		5.92	6.959	2.24, -0.88, -3.99
		5.92	6.858	1.27, -0.58, -2.43
		5.92	6.833	-0.56, -1.67, -2.77
		5.92	6.530	-1.07, -1.15, -1.82
		5.92	7.159	-0.17, -0.06, 0.06
	$1/2^-$	5.92	7.110	0.26, -0.49, -1.24
		5.92	6.963	0.81, -0.34, -1.48
		5.92	6.872	0.44, 0.03, -0.38
		5.92	6.849	1.02, -0.30, -1.62
		5.92	6.816	-0.48, -1.06, -1.65
		5.92	6.657	-0.17, -0.08, 0.00
		5.92	6.500	-0.70, -0.92, -1.13

TABLE XVI: Predicted spectra of pentaquarks $ssnb\bar{n}$.

State	J^P	M_{bag}	Threshold
$ssnb\bar{n}$	$5/2^-$	7.030	$\Omega_b^*\omega(6.895), \Xi^*B^*(6.858), \Xi_b^*K^*(6.848)$
		6.982	
	$3/2^-$	7.102	$\Omega_b^*\omega(6.895), \Xi^*B^*(6.858), \Xi_b^*K^*(6.848), \Omega_b\omega(6.829), \Xi^*B(6.813), \Xi_bK^*(6.688), \Xi B^*(6.643), \Xi_b^*K(6.450), \Omega_b^*\pi(6.252)$
		7.008	
		6.976	
		6.959	
		6.858	
		6.833	
		6.530	
	$1/2^-$	7.159	
		7.110	
		6.963	
		6.872	
		6.849	
		6.816	
		6.657	
		6.500	

TABLE XVII: Predicted spectra of pentaquarks $ssnb\bar{s}$.

State	J^P	R_0	M_{bag}	μ_{bag}
$ssnb\bar{s}$	$5/2^-$	5.94	7.150	1,26, -1,92
		5.94	7.114	1.26, -1.92
	$3/2^-$	5.94	7.215	0.41, -1.30
		5.94	7.132	1.08, -1.69
		5.94	7.118	1.09, -1.13
		5.94	7.097	1.58, -1.30
		5.94	7.032	0.97, -1.74
		5.94	6.944	-0.75, -0.47
		5.94	6.760	-1.16, -1.23
	$1/2^-$	5.94	7.296	-0.11, -0.37
		5.94	7.220	0.32, -0.60
		5.94	7.108	0.74, -0.70
		5.94	7.028	0.78, -0.84
		5.94	6.993	0.15, 0.05
		5.94	6.935	-0.28, -0.18
		5.94	6.829	-0.12, -0.24
		5.94	6.728	-0.84, -0.72

TABLE XVIII: Predicted spectra of pentaquarks $ssnc\bar{n}$.

State	J^P	R_0	M_{bag}	μ_{bag}
$ssnc\bar{n}$	$5/2^-$	6.03	3.643	2.17, -1.06, -4.29
		6.03	3.607	2.17, -1.06, -4.29
	$3/2^-$	6.03	3.697	0.93, -0.31, -1.54
		6.03	3.600	0.71, -0.87, -2.45
		6.03	3.595	1.81, -1.15, -4.10
		6.03	3.547	2.16, -0.99, -4.15
		6.03	3.447	1.49, -0.31, -2.10
		6.03	3.436	0.04, -1.13, -2.28
		6.03	3.160	-0.48, -0.87, -1.25
	$1/2^-$	6.03	3.789	0.11, 0.21, 0.30
		6.03	3.703	0.36, -0.35, -1.06
		6.03	3.572	0.47, -0.43, -1.31
		6.03	3.470	1.35, 0.47, -0.41
		6.03	3.399	0.94, -0.47, -1.87
		6.03	3.348	-0.55, -1.14, -1.73
		6.03	3.255	0.16, 0.39, 0.62
		6.03	3.070	-1.01, -1.16, -1.30

TABLE XIX: Predicted spectra of pentaquarks $ssnc\bar{n}$.

State	J^P	M_{bag}	Threshold
$ssnc\bar{n}$	$5/2^-$	3.643	$\Omega_c^*\omega(3.549), \Xi^*D^*(3.542), \Xi_c^*K^*(3.540)$
		3.607	
	$3/2^-$	3.697	$\Omega_c^*\omega(3.549), \Xi^*D^*(3.542), \Xi_c^*K^*(3.540), \Omega_c\omega(3.478), \Xi^*D(3.401), \Xi_cK^*(3.363), \Xi D^*(3.327), \Xi_cK(3.142), \Omega_c^*\pi(2.906)$
		3.600	
		3.595	
		3.547	
		3.447	
		3.436	
	$1/2^-$	3.160	
		3.789	$\Omega_c^*\omega(3.549), \Xi^*D^*(3.542), \Xi_c^*K^*(3.540), \Omega_c\omega(3.478), \Xi_cK^*(3.363), \Xi D^*(3.327), \Xi D(3.186), \Xi_cK(2.965), \Omega_c\pi(2.835)$
		3.703	
		3.572	
		3.470	
		3.399	
		3,348	
		3.255	
		3.070	

TABLE XX: Predicted spectra of pentaquarks $ssnc\bar{s}$.

State	J^P	R_0	M_{bag}	μ_{bag}
$ssnc\bar{s}$	$5/2^-$	6.05	3.770	1.88, -1.36
		6.05	3.742	1.88, -1.36
	$3/2^-$	6.05	3.819	1.09, -0.66
		6.05	3.744	0.71, -1.20
		6.05	3.733	1.45, -1.42
		6.05	3.694	1.89, -1.19
		6.05	3.620	1.25, -1.76
		6.05	3.556	-0.27, 0.21
		6.05	3.394	-0.54, -0.71
	$1/2^-$	6.05	3.919	0.30, -0.38
		6.05	3.821	0.27, -0.35
		6.05	3.713	0.39, -0.93
		6.05	3.625	0.62, -0.87
		6.05	3.596	1.02, 0.72
		6.05	3.539	-0.19, -0.10
		6.05	3.437	0.22, -0.06
		6.05	3.299	-1.17, -0.89

TABLE XXI: Predicted spectra of pentaquarks $sssb\bar{n}$.

State	J^P	R_0	M_{bag}	μ_{bag}
$sssb\bar{n}$	$5/2^-$	6.02	7.176	-1.36, -4.59
		3/2 ⁻	7.234	-1.72, -1.61
	$1/2^-$	5.99	7.153	-1.11, -3.92
		5.95	6.998	-0.76, -2.31
		6.11	7.270	-0.85, 0.07
		6.06	7.239	-0.39, -1.08
		5.94	6.989	-0.27, -1.55

TABLE XXII: Predicted spectra of pentaquarks $sssb\bar{n}$.

State	J^P	M_{bag}	Threshold
$sssb\bar{n}$	$5/2^-$	7.176	$\Omega B^*(6.997), \Omega_b^* K^*(7.006)$
	$3/2^-$	7.234	$\Omega B^*(6.997), \Omega_b^* K^*(7.006), \Omega_b K^*(6.940), \Omega B(6.952), \Omega_b^* K(6.608)$
		7.153	
		6.998	
	$1/2^-$	7.270	$\Omega B^*(6.997), \Omega_b^* K^*(7.006), \Omega_b K^*(6.940), \Omega_b K(6.542)$
		7.239	
		6.989	

TABLE XXIII: Predicted spectra of pentaquarks $sssb\bar{s}$.

State	J^P	R_0	M_{bag}	μ_{bag}
$sssb\bar{s}$	$5/2^-$	6.04	7.277	-1.66
		3/2 ⁻	7.345	-1.30
	$1/2^-$	6.01	7.262	-1.20
		5.95	7.174	-1.38
		6.13	7.409	-0.40
		6.09	7.351	-0.58
		5.94	7.168	-0.61

TABLE XXIV: Predicted spectra of pentaquarks $sssb\bar{s}$.

State	J^P	M_{bag}	Threshold
$sssb\bar{s}$	$5/2^-$	7.277	$\Omega_b^* \phi(7.131), \Omega B_s^*(7.087)$
	$3/2^-$	7.345	$\Omega_b^* \phi(7.131), \Omega B_s^*(7.087), \Omega_b \phi(7.065), \Omega B_s(7.039)$
		7.262	
		7.174	
	$1/2^-$	7.409	$\Omega_b^* \phi(7.131), \Omega B_s^*(7.087), \Omega_b \phi(7.065)$
		7.351	
		7.168	

TABLE XXV: Predicted spectra of pentaquarks $sssc\bar{n}$.

State	J^P	R_0	M_{bag}	μ_{bag}
$sssc\bar{n}$	$5/2^-$	6.15	3.790	-0.78, -4.07
		3/2 ⁻	3.832	-0.90, -1.43
	$1/2^-$	6.12	3.740	-0.95, -4.03
		6.02	3.591	-0.83, -1.77
		6.25	3.907	-0.89, 0.21
		6.15	3.833	-0.05, -0.78
		6.03	3.586	-0.40, -1.81

TABLE XXVI: Predicted spectra of pentaquarks $sssc\bar{n}$.

State	J^P	M_{bag}	Threshold
$sssc\bar{n}$	$5/2^-$	3.790	$\Omega D^*(3.681), \Omega_c^* K^*(3.660)$
	$3/2^-$	3.832	$\Omega D^*(3.681), \Omega_c^* K^*(3.660), \Omega_c K^*(3.589), \Omega D(3.540), \Omega_c^* K(3.262)$
		3.740	
		3.591	
	$1/2^-$	3.907	$\Omega D^*(3.681), \Omega_c^* K^*(3.660), \Omega_c K^*(3.589), \Omega_c K(3.191)$
		3.833	
		3.586	

TABLE XXVII: Predicted spectra of pentaquarks $sssc\bar{s}$.

State	J^P	R_0	M_{bag}	μ_{bag}
$sssc\bar{s}$	$5/2^-$	6.16	3.903	-1.08
		3/2 ⁻	3.952	-0.64
	$1/2^-$	6.14	3.879	-1.03
		6.01	3.765	-1.42
		6.27	4.038	-0.44
		6.17	3.955	-0.28
		6.03	3.769	-0.69

TABLE XXVIII: Predicted spectra of pentaquarks $sssc\bar{s}$.

State	J^P	M_{bag}	Threshold
$sssc\bar{s}$	$5/2^-$	3.903	$\Omega_c^* \phi(3.785), \Omega D_s^*(3.784)$
	$3/2^-$	3.952	$\Omega_c^* \phi(3.785), \Omega D_s^*(3.784), \Omega_c \phi(3.714), \Omega D_s(3.640)$
		3.879	
		3.765	
	$1/2^-$	4.038	$\Omega_c^* \phi(3.785), \Omega D_s^*(3.784), \Omega_c \phi(3.714)$
		3.955	
		3.769	