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

State	J^P	R_0	M_{bag}	μ_{bag}
$bbbb\bar{n}$	$3/2^-$	4.30	20.377	-1.71, 0.60
	$1/2^-$	4.40	20.419	0.41, -0.38

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

State	J^P	M_{bag}	Threshold
$bbbb\bar{n}$	$3/2^-$	20.377	$\Omega_{bbb}B^*(19.951)$, $\Omega_{bbb}B(19.906)$
	$1/2^-$	20.419	$\Omega_{bbb}B^*(19.951)$

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

State	J^P	R_0	M_{bag}	μ_{bag}
$bbbb\bar{s}$	$3/2^-$	4.38	20.475	0.45
	$1/2^-$	4.46	20.510	-0.32

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

State	J^P	M_{bag}	Threshold
$bbbb\bar{s}$	$3/2^-$	20.475	$\Omega_{bbb}B_s^*(20.041)$, $\Omega_{bbb}B_s(19.993)$
	$1/2^-$	20.510	$\Omega_{bbb}B_s^*(20.041)$

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

State	J^P	R_0	M_{bag}	μ_{bag}
$bbbc\bar{n}$	$5/2^-$	4.67	17.053	1.07, -1.43
	$3/2^-$	4.62	17.073	-1.03, 1.06
		4.65	17.049	-0.88, 0.50
		4.39	16.905	-0.25, -0.25
	$1/2^-$	4.69	17.109	0.82, -0.01
		4.63	17.078	-1.15, 0.54
		4.60	17.039	-0.26, -0.29

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

State	J^P	M_{bag}	Threshold
$bbbc\bar{n}$	$5/2^-$	17.053	$\Omega^*_{cbb}B^*(16.727)$, $\Omega_{bbb}D^*(16.635)$
	$3/2^-$	17.073	$\Omega^*_{cbb}B^*(16.727)$, $\Omega^*_{cbb}B(16.682)$, $\Omega_{cbb}B^*(16.698)$, $\Omega_{bbb}D^*(16.635)$, $\Omega_{bbb}D(16.494)$
		17.049	
		16.905	
	$1/2^-$	17.109	$\Omega^*_{cbb}B^*(16.727)$, $\Omega_{cbb}B^*(16.698)$, $\Omega_{cbb}B(16.653)$, $\Omega_{bbb}D^*(16.635)$
		17.078	
		17.039	

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

State	J^P	R_0	M_{bag}	μ_{bag}
$bbbc\bar{s}$	$5/2^-$	4.72	17.158	0.90
	$3/2^-$	4.68	17.170	0.86
		4.70	17.154	0.46
		4.46	17.033	-0.24
	$1/2^-$	4.74	17.201	0.02
		4.69	17.174	0.37
		4.65	17.143	-0.20

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

State	J^P	M_{bag}	Threshold
$bbbc\bar{s}$	$5/2^-$	17.158	$\Omega^*_{cbb}B^*_s(16.817)$, $\Omega_{bbb}D^*_s(16.738)$
	$3/2^-$	17.170	$\Omega^*_{cbb}B^*_s(16.817)$, $\Omega^*_{cbb}B_s(16.769)$, $\Omega_{cbb}B^*_s(16.788)$, $\Omega_{bbb}D^*_s(16.738)$, $\Omega_{bbb}D_s(16.594)$
		17.154	
		17.033	
	$1/2^-$	17.201	$\Omega^*_{cbb}B^*_s(16.817)$, $\Omega_{cbb}B^*_s(16.788)$, $\Omega_{cbb}B_s(16.740)$, $\Omega_{bbb}D^*_s(16.738)$
		17.174	
		17.143	

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

State	J^P	R_0	M_{bag}	μ_{bag}
$ccbb\bar{n}$	$5/2^-$	4.90	13.746	1.69, -0.93
	$3/2^-$	4.88	13.763	-0.31, 1.46
		4.90	13.742	-1.22, 0.89
		4.87	13.728	-0.45, 1.26
		4.71	13.621	-0.21, 0.43
	$1/2^-$	4.93	13.790	1.17, 0.35
		4.94	13.755	-0.34, -0.17
		4.82	13.715	-0.09, 0.96
		4.70	13.621	0.08, -0.33

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

State	J^P	M_{bag}	Threshold
$ccbb\bar{n}$	$5/2^-$	13.746	$\Omega^*_{ccb}B^*(13.458)$, $\Omega^*_{cbb}D^*(13.411)$
	$3/2^-$	13.763	$\Omega^*_{ccb}B^*(13.458)$, $\Omega^*_{ccb}B(13.413)$, $\Omega_{ccb}B^*(13.437)$, $\Omega^*_{cbb}D^*(13.411)$, $\Omega^*_{cbb}D(13.270)$, $\Omega_{cbb}D^*(13.382)$
		13.742	
		13.728	
		13.621	
	$1/2^-$	13.790	$\Omega^*_{ccb}B^*(13.458)$, $\Omega_{ccb}B^*(13.437)$, $\Omega_{ccb}B(13.392)$, $\Omega^*_{cbb}D^*(13.411)$, $\Omega_{cbb}D^*(13.382)$, $\Omega_{cbb}D(13.241)$
		13.755	
		13.715	
		13.621	

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

State	J^P	R_0	M_{bag}	μ_{bag}
$ccbb\bar{s}$	$5/2^-$	4.94	13.847	1.50
	$3/2^-$	4.93	13.859	1.16
		4.93	13.843	0.85
		4.91	13.833	1.19
		4.77	13.745	0.39
	$1/2^-$	4.98	13.882	0.37
		4.97	13.857	-0.13
		4.87	13.819	0.88
		4.75	13.743	-0.29

TABLE XII: Predicted spectra of pentaquarks $ccbb\bar{s}$.

State	J^P	M_{bag}	Threshold
$ccbb\bar{s}$	$5/2^-$	13.847	$\Omega^*_{ccb}B^*_s(13.548)$, $\Omega^*_{cbb}D^*_s(13.514)$
	$3/2^-$	13.859	$\Omega^*_{ccb}B^*_s(13.548)$, $\Omega^*_{ccb}B_s(13.500)$, $\Omega_{ccb}B^*_s(13.527)$, $\Omega^*_{cbb}D^*_s(13.514)$, $\Omega^*_{cbb}D_s(13.370)$, $\Omega_{cbb}D^*_s(13.485)$
		13.843	
		13.833	
		13.745	
	$1/2^-$	13.882	$\Omega^*_{ccb}B^*_s(13.548)$, $\Omega_{ccb}B^*_s(13.527)$, $\Omega_{ccb}B_s(13.479)$, $\Omega^*_{cbb}D^*_s(13.514)$, $\Omega_{cbb}D^*_s(13.485)$, $\Omega_{cbb}D_s(13.341)$
		13.857	
		13.819	
		13.743	

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

State	J^P	R_0	M_{bag}	μ_{bag}
$cccb\bar{n}$	$5/2^-$	5.10	10.434	2.32, -0.41
	$3/2^-$	5.13	10.447	0.62, 1.14
		5.06	10.400	0.23, 1.91
		5.00	10.326	-0.39, 1.17
	$1/2^-$	5.16	10.458	1.27, 0.53
		5.17	10.430	-0.18, -0.01
		5.00	10.327	-0.53, 0.90

TABLE XIV: Predicted spectra of pentaquarks $ccc b\bar{n}$.

State	J^P	M_{bag}	Threshold
$cccb\bar{n}$	$5/2^-$	10.434	$\Omega_{ccc}B^*(10.166)$, $\Omega^*_{ccb}D^*(10.142)$
	$3/2^-$	10.447	$\Omega_{ccc}B^*(10.166)$, $\Omega_{ccc}B(10.121)$, $\Omega^*_{ccb}D^*(10.142)$, $\Omega^*_{ccb}D(10.001)$, $\Omega_{ccb}D^*(10.121)$
		10.400	
		10.326	
	$1/2^-$	10.458	$\Omega_{ccc}B^*(10.166)$, $\Omega^*_{ccb}D^*(10.142)$, $\Omega_{ccb}D^*(10.121)$, $\Omega_{ccb}D(9.980)$
		10.430	
		10.327	

TABLE XV: Predicted spectra of pentaquarks $cccb\bar{s}$.

State	J^P	R_0	M_{bag}	μ_{bag}
$cccb\bar{s}$	$5/2^-$	5.14	10.531	2.11
	$3/2^-$	5.16	10.542	1.08
		5.10	10.505	1.80
		5.04	10.447	1.06
	$1/2^-$	5.20	10.553	0.53
		5.20	10.534	0.04
		5.04	10.447	0.79

TABLE XVI: Predicted spectra of pentaquarks $cccb\bar{s}$.

State	J^P	M_{bag}	Threshold
$cccb\bar{s}$	$5/2^-$	10.531	$\Omega_{ccc}B^*_s(10.256)$, $\Omega^*_{ccb}D^*_s(10.245)$
	$3/2^-$	10.542	$\Omega_{ccc}B^*_s(10.256)$, $\Omega_{ccc}B_s(10.208)$, $\Omega^*_{ccb}D^*_s(10.245)$, $\Omega^*_{ccb}D_s(10.101)$, $\Omega_{ccb}D^*_s(10.224)$
		10.505	
		10.447	
	$1/2^-$	10.553	$\Omega_{ccc}B^*_s(10.256)$, $\Omega^*_{ccb}D^*_s(10.245)$, $\Omega_{ccb}D^*_s(10.224)$, $\Omega_{ccb}D_s(10.080)$
		10.534	
		10.447	

TABLE XVII: Predicted spectra of pentaquarks $cccc\bar{n}$.

State	J^P	R_0	M_{bag}	μ_{bag}
$cccc\bar{n}$	$3/2^-$	5.26	7.023	-0.88, 1.94
	$1/2^-$	5.39	7.116	1.31, 0.35

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

State	J^P	M_{bag}	Threshold
$cccc\bar{n}$	$3/2^-$	7.023	$\Omega_{ccc}D^*(6.850)$, $\Omega_{ccc}D(6.709)$
	$1/2^-$	7.116	$\Omega_{ccc}D^*(6.850)$

TABLE XIX: Predicted spectra of pentaquarks $cccc\bar{s}$.

State	J^P	R_0	M_{bag}	μ_{bag}
$cccc\bar{s}$	$3/2^-$	5.29	7.143	1.72
	$1/2^-$	5.41	7.219	0.43

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

State	J^P	M_{bag}	Threshold
$ccc c\bar{s}$	$3/2^-$	7.143	$\Omega_{ccc}D_s^*(6.953)$, $\Omega_{ccc}D_s(6.809)$
	$1/2^-$	7.219	$\Omega_{ccc}D_s^*(6.953)$