Testing hepparticles

December 1, 2014

1 Concrete names

	Normal				Italic				Slant			
Normal	B	$\overline{\mathrm{B}}$	$\widetilde{\mathrm{B}}$	$\overline{\widetilde{\mathrm{B}}}$	B	$\overline{B}$	$\widetilde{B}$	$\overline{\widetilde{B}}$	B	$\overline{B}$	$\widetilde{B}$	$\overline{\widetilde{B}}$
	$\mathrm{B_d}$	$\overline{\mathrm{B}}_\mathrm{d}$	$\widetilde{\mathrm{B}}_\mathrm{d}$	$\overline{\widetilde{\mathrm{B}}}_\mathrm{d}$	B_d	$\overline{B}_d$	$\widetilde{B}_d$	$\overline{\widetilde{B}}_d$	B_d	$\overline{B}_d$	$\widetilde{B}_d$	$\overline{\widetilde{B}}_d$
	B^0	$\overline{\mathrm{B}}^0$	$\widetilde{\mathrm{B}}^0$	$\overline{\widetilde{\mathrm{B}}}^0$	B^0	$\overline{B}^0$	$\widetilde{B}^0$	$\overline{\widetilde{B}}^0$	B^0	$\overline{B}^0$	$\widetilde{B}^0$	$\overline{\widetilde{B}}^0$
	B_d^0	$\overline{\mathrm{B}}_\mathrm{d}^0$	$\widetilde{\mathrm{B}}_\mathrm{d}^0$	$\overline{\widetilde{\mathrm{B}}}_\mathrm{d}^0$	B_d^0	$\overline{B}_d^0$	$\widetilde{B}_d^0$	$\overline{\widetilde{B}}_d^0$	B_d^0	$\overline{B}_d^0$	$\widetilde{B}_d^0$	$\overline{\widetilde{B}}_d^0$
Bold	$\mathbf{B}$	$\overline{\mathbf{B}}$	$\widetilde{\mathbf{B}}$	$\overline{\widetilde{\mathbf{B}}}$	$\boldsymbol{B}$	$\overline{\boldsymbol{B}}$	$\widetilde{\boldsymbol{B}}$	$\overline{\widetilde{\boldsymbol{B}}}$	$\boldsymbol{B}$	$\overline{\boldsymbol{B}}$	$\widetilde{\boldsymbol{B}}$	$\overline{\widetilde{\boldsymbol{B}}}$
	$\mathbf{B_d}$	$\overline{\mathbf{B}}_\mathbf{d}$	$\widetilde{\mathbf{B}}_\mathbf{d}$	$\overline{\widetilde{\mathbf{B}}}_\mathbf{d}$	$\boldsymbol{B_d}$	$\overline{\boldsymbol{B}}_{\boldsymbol{d}}$	$\widetilde{\boldsymbol{B}}_{\boldsymbol{d}}$	$\overline{\widetilde{\boldsymbol{B}}}_{\boldsymbol{d}}$	$\boldsymbol{B_d}$	$\overline{\boldsymbol{B}}_{\boldsymbol{d}}$	$\widetilde{\boldsymbol{B}}_{\boldsymbol{d}}$	$\overline{\widetilde{\boldsymbol{B}}}_{\boldsymbol{d}}$
	$\mathbf{B^0}$	$\overline{\mathbf{B}}^\mathbf{0}$	$\widetilde{\mathbf{B}}^\mathbf{0}$	$\overline{\widetilde{\mathbf{B}}}^\mathbf{0}$	$\boldsymbol{B^0}$	$\overline{\boldsymbol{B}}^{\boldsymbol{0}}$	$\widetilde{\boldsymbol{B}}^{\boldsymbol{0}}$	$\overline{\widetilde{\boldsymbol{B}}}^{\boldsymbol{0}}$	$\boldsymbol{B^0}$	$\overline{\boldsymbol{B}}^{\boldsymbol{0}}$	$\widetilde{\boldsymbol{B}}^{\boldsymbol{0}}$	$\overline{\widetilde{\boldsymbol{B}}}^{\boldsymbol{0}}$
	$\mathbf{B}_\mathbf{d}^\mathbf{0}$	$\overline{\mathbf{B}}_\mathbf{d}^\mathbf{0}$	$\widetilde{\mathbf{B}}_\mathbf{d}^\mathbf{0}$	$\overline{\widetilde{\mathbf{B}}}_\mathbf{d}^\mathbf{0}$	$\boldsymbol{B_d^0}$	$\overline{\boldsymbol{B}}_{\boldsymbol{d}}^{\boldsymbol{0}}$	$\widetilde{\boldsymbol{B}}_{\boldsymbol{d}}^{\boldsymbol{0}}$	$\overline{\widetilde{\boldsymbol{B}}}_{\boldsymbol{d}}^{\boldsymbol{0}}$	$\boldsymbol{B_d^0}$	$\overline{\boldsymbol{B}}_{\boldsymbol{d}}^{\boldsymbol{0}}$	$\widetilde{\boldsymbol{B}}_{\boldsymbol{d}}^{\boldsymbol{0}}$	$\overline{\widetilde{\boldsymbol{B}}}_{\boldsymbol{d}}^{\boldsymbol{0}}$
Sans	B	$\overline{\mathsf{B}}$	$\widetilde{\mathsf{B}}$	$\overline{\widetilde{\mathsf{B}}}$	B	$\overline{B}$	$\widetilde{B}$	$\overline{\widetilde{B}}$	B	$\overline{B}$	$\widetilde{B}$	$\overline{\widetilde{B}}$
	$\mathsf{B_d}$	$\overline{\mathsf{B}}_\mathsf{d}$	$\widetilde{\mathsf{B}}_\mathsf{d}$	$\overline{\widetilde{\mathsf{B}}}_\mathsf{d}$	B_d	$\overline{B}_d$	$\widetilde{B}_d$	$\overline{\widetilde{B}}_d$	B_d	$\overline{B}_d$	$\widetilde{B}_d$	$\overline{\widetilde{B}}_d$
	B^0	$\overline{\mathsf{B}}^0$	$\widetilde{\mathsf{B}}^0$	$\overline{\widetilde{\mathsf{B}}}^0$	B^0	$\overline{B}^0$	$\widetilde{B}^0$	$\overline{\widetilde{B}}^0$	B^0	$\overline{B}^0$	$\widetilde{B}^0$	$\overline{\widetilde{B}}^0$
	B_d^0	$\overline{\mathsf{B}}_\mathsf{d}^0$	$\widetilde{\mathsf{B}}_\mathsf{d}^0$	$\overline{\widetilde{\mathsf{B}}}_\mathsf{d}^0$	B_d^0	$\overline{B}_d^0$	$\widetilde{B}_d^0$	$\overline{\widetilde{B}}_d^0$	B_d^0	$\overline{B}_d^0$	$\widetilde{B}_d^0$	$\overline{\widetilde{B}}_d^0$
Bold sans	$\mathbf{B}$	$\overline{\mathbf{B}}$	$\widetilde{\mathbf{B}}$	$\overline{\widetilde{\mathbf{B}}}$	$\boldsymbol{B}$	$\overline{\boldsymbol{B}}$	$\widetilde{\boldsymbol{B}}$	$\overline{\widetilde{\boldsymbol{B}}}$	$\boldsymbol{B}$	$\overline{\boldsymbol{B}}$	$\widetilde{\boldsymbol{B}}$	$\overline{\widetilde{\boldsymbol{B}}}$
	$\mathbf{B_d}$	$\overline{\mathbf{B}}_\mathbf{d}$	$\widetilde{\mathbf{B}}_\mathbf{d}$	$\overline{\widetilde{\mathbf{B}}}_\mathbf{d}$	$\boldsymbol{B_d}$	$\overline{\boldsymbol{B}}_{\boldsymbol{d}}$	$\widetilde{\boldsymbol{B}}_{\boldsymbol{d}}$	$\overline{\widetilde{\boldsymbol{B}}}_{\boldsymbol{d}}$	$\boldsymbol{B_d}$	$\overline{\boldsymbol{B}}_{\boldsymbol{d}}$	$\widetilde{\boldsymbol{B}}_{\boldsymbol{d}}$	$\overline{\widetilde{\boldsymbol{B}}}_{\boldsymbol{d}}$
	$\mathbf{B^0}$	$\overline{\mathbf{B}}^\mathbf{0}$	$\widetilde{\mathbf{B}}^\mathbf{0}$	$\overline{\widetilde{\mathbf{B}}}^\mathbf{0}$	$\boldsymbol{B^0}$	$\overline{\boldsymbol{B}}^{\boldsymbol{0}}$	$\widetilde{\boldsymbol{B}}^{\boldsymbol{0}}$	$\overline{\widetilde{\boldsymbol{B}}}^{\boldsymbol{0}}$	$\boldsymbol{B^0}$	$\overline{\boldsymbol{B}}^{\boldsymbol{0}}$	$\widetilde{\boldsymbol{B}}^{\boldsymbol{0}}$	$\overline{\widetilde{\boldsymbol{B}}}^{\boldsymbol{0}}$
	$\mathbf{B}_\mathbf{d}^\mathbf{0}$	$\overline{\mathbf{B}}_\mathbf{d}^\mathbf{0}$	$\widetilde{\mathbf{B}}_\mathbf{d}^\mathbf{0}$	$\overline{\widetilde{\mathbf{B}}}_\mathbf{d}^\mathbf{0}$	$\boldsymbol{B_d^0}$	$\overline{\boldsymbol{B}}_{\boldsymbol{d}}^{\boldsymbol{0}}$	$\widetilde{\boldsymbol{B}}_{\boldsymbol{d}}^{\boldsymbol{0}}$	$\overline{\widetilde{\boldsymbol{B}}}_{\boldsymbol{d}}^{\boldsymbol{0}}$	$\boldsymbol{B_d^0}$	$\overline{\boldsymbol{B}}_{\boldsymbol{d}}^{\boldsymbol{0}}$	$\widetilde{\boldsymbol{B}}_{\boldsymbol{d}}^{\boldsymbol{0}}$	$\overline{\widetilde{\boldsymbol{B}}}_{\boldsymbol{d}}^{\boldsymbol{0}}$

2 Generic names

	Normal				Italic				Slant			
Normal	B	$\overline{B}$	$\widetilde{B}$	$\overline{\overline{B}}$	B	$\overline{B}$	$\widetilde{B}$	$\overline{\overline{B}}$	B	$\overline{B}$	$\widetilde{B}$	$\overline{\overline{B}}$
	B_{d}	$\overline{B}_{\mathrm{d}}$	$\widetilde{B}_{\mathrm{d}}$	$\overline{\overline{B}}_{\mathrm{d}}$	B_d	$\overline{B}_d$	$\widetilde{B}_d$	$\overline{\overline{B}}_d$	B_d	$\overline{B}_d$	$\widetilde{B}_d$	$\overline{\overline{B}}_d$
	B^0	$\overline{B}^0$	$\widetilde{B}^0$	$\overline{\overline{B}}^0$	B^0	$\overline{B}^0$	$\widetilde{B}^0$	$\overline{\overline{B}}^0$	B^0	$\overline{B}^0$	$\widetilde{B}^0$	$\overline{\overline{B}}^0$
	B^0_{d}	$\overline{B}^0_{\mathrm{d}}$	$\widetilde{B}^0_{\mathrm{d}}$	$\overline{\overline{B}}^0_{\mathrm{d}}$	B^0_d	$\overline{B}^0_d$	$\widetilde{B}^0_d$	$\overline{\overline{B}}^0_d$	B^0_d	$\overline{B}^0_d$	$\widetilde{B}^0_d$	$\overline{\overline{B}}^0_d$
Bold	$\boldsymbol{B}$	$\overline{\boldsymbol{B}}$	$\widetilde{\boldsymbol{B}}$	$\overline{\overline{\boldsymbol{B}}}$	$\boldsymbol{B}$	$\overline{\boldsymbol{B}}$	$\widetilde{\boldsymbol{B}}$	$\overline{\overline{\boldsymbol{B}}}$	$\boldsymbol{B}$	$\overline{\boldsymbol{B}}$	$\widetilde{\boldsymbol{B}}$	$\overline{\overline{\boldsymbol{B}}}$
	$\boldsymbol{B}_{\mathrm{d}}$	$\overline{\boldsymbol{B}}_{\mathrm{d}}$	$\widetilde{\boldsymbol{B}}_{\mathrm{d}}$	$\overline{\overline{\boldsymbol{B}}}_{\mathrm{d}}$	$\boldsymbol{B}_d$	$\overline{\boldsymbol{B}}_d$	$\widetilde{\boldsymbol{B}}_d$	$\overline{\overline{\boldsymbol{B}}}_d$	$\boldsymbol{B}_d$	$\overline{\boldsymbol{B}}_d$	$\widetilde{\boldsymbol{B}}_d$	$\overline{\overline{\boldsymbol{B}}}_d$
	$\boldsymbol{B}^0$	$\overline{\boldsymbol{B}}^0$	$\widetilde{\boldsymbol{B}}^0$	$\overline{\overline{\boldsymbol{B}}}^0$	$\boldsymbol{B}^0$	$\overline{\boldsymbol{B}}^0$	$\widetilde{\boldsymbol{B}}^0$	$\overline{\overline{\boldsymbol{B}}}^0$	$\boldsymbol{B}^0$	$\overline{\boldsymbol{B}}^0$	$\widetilde{\boldsymbol{B}}^0$	$\overline{\overline{\boldsymbol{B}}}^0$
	$\boldsymbol{B}^0_{\mathrm{d}}$	$\overline{\boldsymbol{B}}^0_{\mathrm{d}}$	$\widetilde{\boldsymbol{B}}^0_{\mathrm{d}}$	$\overline{\overline{\boldsymbol{B}}}^0_{\mathrm{d}}$	$\boldsymbol{B}^0_d$	$\overline{\boldsymbol{B}}^0_d$	$\widetilde{\boldsymbol{B}}^0_d$	$\overline{\overline{\boldsymbol{B}}}^0_d$	$\boldsymbol{B}^0_d$	$\overline{\boldsymbol{B}}^0_d$	$\widetilde{\boldsymbol{B}}^0_d$	$\overline{\overline{\boldsymbol{B}}}^0_d$
Sans	B	$\overline{\mathsf{B}}$	$\widetilde{\mathsf{B}}$	$\overline{\overline{\mathsf{B}}}$	B	$\overline{\mathsf{B}}$	$\widetilde{\mathsf{B}}$	$\overline{\overline{\mathsf{B}}}$	B	$\overline{\mathsf{B}}$	$\widetilde{\mathsf{B}}$	$\overline{\overline{\mathsf{B}}}$
	B_{d}	$\overline{\mathsf{B}}_{\mathrm{d}}$	$\widetilde{\mathsf{B}}_{\mathrm{d}}$	$\overline{\overline{\mathsf{B}}}_{\mathrm{d}}$	B_d	$\overline{\mathsf{B}}_d$	$\widetilde{\mathsf{B}}_d$	$\overline{\overline{\mathsf{B}}}_d$	B_d	$\overline{\mathsf{B}}_d$	$\widetilde{\mathsf{B}}_d$	$\overline{\overline{\mathsf{B}}}_d$
	B^0	$\overline{\mathsf{B}}^0$	$\widetilde{\mathsf{B}}^0$	$\overline{\overline{\mathsf{B}}}^0$	B^0	$\overline{\mathsf{B}}^0$	$\widetilde{\mathsf{B}}^0$	$\overline{\overline{\mathsf{B}}}^0$	B^0	$\overline{\mathsf{B}}^0$	$\widetilde{\mathsf{B}}^0$	$\overline{\overline{\mathsf{B}}}^0$
	$\mathsf{B}^0_{\mathrm{d}}$	$\overline{\mathsf{B}}^0_{\mathrm{d}}$	$\widetilde{\mathsf{B}}^0_{\mathrm{d}}$	$\overline{\overline{\mathsf{B}}}^0_{\mathrm{d}}$	B^0_d	$\overline{\mathsf{B}}^0_d$	$\widetilde{\mathsf{B}}^0_d$	$\overline{\overline{\mathsf{B}}}^0_d$	B^0_d	$\overline{\mathsf{B}}^0_d$	$\widetilde{\mathsf{B}}^0_d$	$\overline{\overline{\mathsf{B}}}^0_d$
Bold sans	$\boldsymbol{\mathsf{B}}$	$\overline{\boldsymbol{\mathsf{B}}}$	$\widetilde{\boldsymbol{\mathsf{B}}}$	$\overline{\overline{\boldsymbol{\mathsf{B}}}}$	$\boldsymbol{\mathsf{B}}$	$\overline{\boldsymbol{\mathsf{B}}}$	$\widetilde{\boldsymbol{\mathsf{B}}}$	$\overline{\overline{\boldsymbol{\mathsf{B}}}}$	$\boldsymbol{\mathsf{B}}$	$\overline{\boldsymbol{\mathsf{B}}}$	$\widetilde{\boldsymbol{\mathsf{B}}}$	$\overline{\overline{\boldsymbol{\mathsf{B}}}}$
	$\boldsymbol{\mathsf{B}}_{\mathrm{d}}$	$\overline{\boldsymbol{\mathsf{B}}}_{\mathrm{d}}$	$\widetilde{\boldsymbol{\mathsf{B}}}_{\mathrm{d}}$	$\overline{\overline{\boldsymbol{\mathsf{B}}}}_{\mathrm{d}}$	$\boldsymbol{\mathsf{B}}_d$	$\overline{\boldsymbol{\mathsf{B}}}_d$	$\widetilde{\boldsymbol{\mathsf{B}}}_d$	$\overline{\overline{\boldsymbol{\mathsf{B}}}}_d$	$\boldsymbol{\mathsf{B}}_d$	$\overline{\boldsymbol{\mathsf{B}}}_d$	$\widetilde{\boldsymbol{\mathsf{B}}}_d$	$\overline{\overline{\boldsymbol{\mathsf{B}}}}_d$
	$\boldsymbol{\mathsf{B}}^0$	$\overline{\boldsymbol{\mathsf{B}}}^0$	$\widetilde{\boldsymbol{\mathsf{B}}}^0$	$\overline{\overline{\boldsymbol{\mathsf{B}}}}^0$	$\boldsymbol{\mathsf{B}}^0$	$\overline{\boldsymbol{\mathsf{B}}}^0$	$\widetilde{\boldsymbol{\mathsf{B}}}^0$	$\overline{\overline{\boldsymbol{\mathsf{B}}}}^0$	$\boldsymbol{\mathsf{B}}^0$	$\overline{\boldsymbol{\mathsf{B}}}^0$	$\widetilde{\boldsymbol{\mathsf{B}}}^0$	$\overline{\overline{\boldsymbol{\mathsf{B}}}}^0$
	$\boldsymbol{\mathsf{B}}^0_{\mathrm{d}}$	$\overline{\boldsymbol{\mathsf{B}}}^0_{\mathrm{d}}$	$\widetilde{\boldsymbol{\mathsf{B}}}^0_{\mathrm{d}}$	$\overline{\overline{\boldsymbol{\mathsf{B}}}}^0_{\mathrm{d}}$	$\boldsymbol{\mathsf{B}}^0_d$	$\overline{\boldsymbol{\mathsf{B}}}^0_d$	$\widetilde{\boldsymbol{\mathsf{B}}}^0_d$	$\overline{\overline{\boldsymbol{\mathsf{B}}}}^0_d$	$\boldsymbol{\mathsf{B}}^0_d$	$\overline{\boldsymbol{\mathsf{B}}}^0_d$	$\widetilde{\boldsymbol{\mathsf{B}}}^0_d$	$\overline{\overline{\boldsymbol{\mathsf{B}}}}^0_d$

3 Processes

$\mathrm{B_d^0} \to \mathrm{K_S^0}\,\pi^0$
$\mathrm{B_d^0} \to \mathrm{K_S^0}\,\pi^0$

4 Resonances

$\mathrm{B_d^0}(1234)_1^*$
$\mathrm{B_d^0}(1234)_1^*\,\mathrm{P_{11}^{\pm}}$
$\mathrm{B_d^0}(1234)_1^*$
$\mathrm{B_d^0}(1234)_1^*\,\mathrm{P_{11}^{\pm}}$

5 Mixed concrete and generic

Using math sub/super-scripts:

B_i	B^j	B_i^j
$\mathrm{B_d}_i$	$\mathrm{B_d}^j$	$\mathrm{B_d}_i^j$
$\mathrm{B}^0{}_i$	B^{0j}	$\mathrm{B}^{0j}{}_i$
$\mathrm{B}_{\mathrm{d}\,i}^0$	$\mathrm{B}_{\mathrm{d}}^{0j}$	$\mathrm{B}_{\mathrm{d}\,i}^{0j}$

B_i	B^j	B_i^j
$B_{\mathrm{d}\,i}$	$B_{\mathrm{d}}{}^j$	$B_{\mathrm{d}\,i}^j$
$B^0{}_i$	B^{0j}	$B^{0j}{}_i$
$B_{\mathrm{d}\,i}^0$	B_{d}^{0j}	$B_{\mathrm{d}\,i}^{0j}$

6 Integration with text

This is a B.
This is a B.

This is a B particle
This is a B particle
This is a $\mathrm{B_u^+}$ particle
This is a $\mathrm{B^0}$ particle

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Proin fringilla, wisi eget aliquet tempor, risus tellus luctus est, ac accumsan pede enim vehicula tortor. Nulla $\mathrm{B^0}$ scelerisque placerat enim. Nullam aliquet lorem eget augue. Nullam semper feugiat neque. Nam aliquet iaculis ante. Fusce ac mi. $\overline{\mathrm{B}}^0$ pellentesque sed ante. Maecenas consectetuer porta dolor. Pellentesque enim. Mauris augue orci, suscipit a, vestibulum nec, $\widetilde{\mathrm{B}}^0$ congue ac, elit. Donec lectus dui, molestie sed, molestie sed, sollicitudin nec, justo. Morbi porttitor odio at urna. Nam bibendum dui tempor lectus. Phasellus $\widetilde{\overline{\mathrm{B}}}^0$ porttitor vehicula sem. Sed a elit.
In volutpat. Sed quis arcu. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos $\hat{q^d}$ hymenaeos. Aenean vitae wisi. Praesent condimentum iaculis est. Praesent consectetuer est non erat. Fusce eget erat at arcu pretium condimentum. Aliquam $\bar{\ell}^+$ mauris dui, tincidunt eget, iaculis id, hendrerit non, lacus. Integer et odio ut arcu sollicitudin nonummy.

Vestibulum vel orci cursus sapien luctus $\tilde{q}$ sagittis. Curabitur mollis eros id nunc. Fusce risus quam, molestie at, bibendum sed, sodales at, urna. In hac habitasse platea $\tilde{\tilde{\chi}}^{0}$ dictumst.

7 Testing sans-serif

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Proin fringilla, wisi eget aliquet tempor, risus tellus luctus est, ac accumsan pede enim vehicula tortor. Nulla B^{0} scelerisque placerat enim. Nullam aliquet lorem eget augue. Nullam semper feugiat neque. Nam aliquet iaculis ante. Fusce ac mi. $\overline{\mathsf{B}}^{0}$ pellentesque sed ante. Maecenas consectetuer porta dolor. Pellentesque enim. Mauris augue orci, suscipit a, vestibulum nec, $\widetilde{\mathsf{B}}^{0}$ congue ac, elit. Donec lectus dui, molestie sed, molestie sed, sollicitudin nec, justo. Morbi porttitor odio at urna. Nam bibendum dui tempor lectus. Phasellus $\widetilde{\overline{\mathsf{B}}}^{0}$ porttitor vehicula sem. Sed a elit. In volutpat. Sed quis arcu. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos B^{0} hymenaeos. Aenean vitae wisi. Praesent condimentum iaculis est. Praesent consectetuer est non erat. Fusce eget erat at arcu pretium condimentum. Aliquam $\bar{B}^{0}$ mauris dui, tincidunt eget, iaculis id, hendrerit non, lacus. Integer et odio ut arcu sollicitudin nonummy. Vestibulum vel orci cursus sapien luctus $\widetilde{B}^{0}$ sagittis. Curabitur mollis eros id nunc. Fusce risus quam, molestie at, bibendum sed, sodales at, urna. In hac habitasse platea $\widetilde{\bar{B}}^{0}$ dictumst.

8 Misc

$\pi\ \lambda\ \pi\ \lambda$