# Testing hepparticles

December 1, 2014

## 1 Concrete names

	Normal	Italic	Slant
Normal	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Bold	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$egin{array}{cccccccccccccccccccccccccccccccccccc$	$egin{array}{cccccccccccccccccccccccccccccccccccc$
Sans	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
Bold sans	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

## 2 Generic names

	Norm	nal			]	Italic					Slant			
Normal	$B_{\rm d} \\ B^{\rm 0} \\ B^{\rm 0}_{\rm d}$	$ar{B}_{ m d}$ $ar{B}^{ m 0}$ $ar{B}^{ m 0}_{ m d}$	$egin{array}{c} \widetilde{B} & & & \\ \widetilde{B}_{ m d} & & & \\ \widetilde{B}^{ heta} & & & \\ \widetilde{B}^{ heta}_{ m d} & & & \end{array}$	$egin{array}{c} \widetilde{\widetilde{B}} \\ \widetilde{\widetilde{B}}_{ m d} \\ \widetilde{\widetilde{B}}^{\it 0} \\ \widetilde{\widetilde{B}}^{\it 0}_{ m d} \end{array}$	-	$B$ $B_d$ $B^0$ $B_d^0$	$ar{B}_d$ $ar{B}^o$ $ar{B}^o_d$	$\widetilde{B}_d$ $\widetilde{B}^0$ $\widetilde{B}^0_d$	$egin{array}{c} \overline{\widetilde{B}}_d \\ \overline{\widetilde{B}}_d \\ \overline{\widetilde{B}}^0 \\ \overline{\widetilde{B}}_d^0 \end{array}$		$B$ $B_d$ $B^0$ $B_d^0$	$ar{B}_d$ $ar{B}^o$ $ar{B}^o_d$	$\widetilde{B}_d$ $\widetilde{B}_d$ $\widetilde{B}^0$ $\widetilde{B}_d^0$	$\begin{array}{c} \overline{\widetilde{B}} \\ \overline{\widetilde{B}}_d \\ \overline{\widetilde{B}}^0 \\ \overline{\widetilde{B}}^0_d \end{array}$
Bold	$egin{array}{c} B \ B_{ m d} \ B_{ m d}^{ heta} \ \end{array}$	$egin{array}{c} ar{B}_{ m d} \ ar{B}^{\it 0}_{ m d} \ ar{B}^{\it 0}_{ m d} \end{array}$	$egin{array}{c} \widetilde{B} & & & & & & & & & & & & & & & & & & &$	$egin{array}{c} \widetilde{\widetilde{B}} & \ \widetilde{\widetilde{B}}^0 & \ \widetilde{\widetilde{B}}^0 & \ \widetilde{\widetilde{B}}^0 & \ \widetilde{\widetilde{B}}^0 & \ \end{array}$	_	$egin{array}{c} B \ B_d \ B^0 \ B^0_d \end{array}$	$egin{array}{c} ar{B}_d \ ar{B}^0 \ ar{B}^0_d \end{array}$	$egin{array}{c} \widetilde{B} & & & & & & & & & & & & & & & & & & &$	$egin{array}{c} \widetilde{\widetilde{B}}_d \ \widetilde{\widetilde{B}}_d^0 \ \widetilde{\widetilde{B}}_d^0 \end{array}$		$egin{array}{c} B \ B_d \ B^0 \ B_d^0 \end{array}$	$egin{array}{c} ar{B}_d \ ar{B}^0 \ ar{B}^0_d \end{array}$	$egin{array}{c} \widetilde{B} & & & & & & & & & & & & & & & & & & &$	$egin{array}{c} \widetilde{\widetilde{B}} & \ \widetilde{\widetilde{B}}_d & \ \widetilde{\widetilde{B}}^0 & \ \widetilde{\widetilde{B}}_d^0 & \ \widetilde{\widetilde{B}}_d^0 & \end{array}$
Sans	B B <sub>d</sub> B <sup>0</sup> B <sub>d</sub>	$ar{B}_{d}$ $ar{B}^{0}$ $ar{B}^{0}_{d}$	$\widetilde{B}$ $\widetilde{B}_{d}$ $\widetilde{B}^{0}$ $\widetilde{B}_{d}^{0}$	$\widetilde{\widetilde{B}}_{d}$ $\widetilde{\widetilde{B}}_{d}$ $\widetilde{\widetilde{B}}_{d}$ $\widetilde{\widetilde{B}}_{d}$	-	$B \\ B_d \\ B^0 \\ B_d^0$	$ar{B}_d$ $ar{B}^0$ $ar{B}^0_d$	$\widetilde{B}$ $\widetilde{B}_d$ $\widetilde{B}^0$ $\widetilde{B}_d^0$	$egin{array}{c} \widetilde{\widetilde{B}} \\ \widetilde{\widetilde{B}}_d \\ \widetilde{\widetilde{B}}^0 \\ \widetilde{\widetilde{B}}_d^0 \end{array}$		$B \\ B_d \\ B^0 \\ B_d^0$	$ar{B}_d$ $ar{B}^0$ $ar{B}^0_d$	$\widetilde{B}$ $\widetilde{B}_d$ $\widetilde{B}^0$ $\widetilde{B}_d^0$	$ \widetilde{\widetilde{B}}_{d} $ $ \widetilde{\widetilde{B}}_{d} $ $ \widetilde{\widetilde{B}}_{d} $ $ \widetilde{\widetilde{B}}_{d} $
Bold sans	B B <sub>d</sub> B <sup>0</sup> B <sup>0</sup> <sub>d</sub>	$ar{B}_{ ext{d}}$ $ar{B}_{ ext{d}}^0$ $ar{B}_{ ext{d}}^0$	$\widetilde{m{B}}_{d}$ $\widetilde{m{B}}_{d}^{0}$ $\widetilde{m{B}}_{d}^{0}$	$egin{array}{c} \overline{\widetilde{B}} \\ \overline{\widetilde{B}}_{\mathbf{d}} \\ \overline{\widetilde{B}} \\ 0 \end{array}$	_	B B <sub>d</sub> B <sup>0</sup> B <sup>0</sup> <sub>d</sub>	$ar{B}_d$ $ar{B}^0$ $ar{B}_d^0$	$\widetilde{B}_d$ $\widetilde{B}_d$ $\widetilde{B}_d^0$ $\widetilde{B}_d^0$	$\vec{\tilde{B}}_d$ $\vec{\tilde{B}}_d$ $\vec{\tilde{B}}_d$ $\vec{\tilde{B}}_d$ $\vec{\tilde{B}}_d$ $\vec{\tilde{B}}_d$	•	$B$ $B_d$ $B^0$ $B_d^0$	$ar{B}_d$ $ar{B}_d^0$ $ar{B}_d^0$	$\widetilde{B}$ $\widetilde{B}_d$ $\widetilde{B}^0$ $\widetilde{B}_d^0$	$egin{array}{c} \widetilde{\widetilde{B}} & \\ \widetilde{\widetilde{B}}_d & \\ \widetilde{\widetilde{B}}^0 & \\ \widetilde{\widetilde{B}}_d^0 & \\ \widetilde{\widetilde{B}}_d^0 & \end{array}$

#### 3 Processes

$$\begin{array}{l} B_d^0 \to K_S^0 \pi^0 \\ B_d^0 \to K_S^0 \pi^0 \end{array}$$

#### 4 Resonances

 $\begin{array}{l} B_d^0(1234)_1^* \\ B_d^0(1234)_1^* \, P_{11}^{\pm} \\ B_d^0(1234)_1^* \\ B_d^0(1234)_1^* \, P_{11}^{\pm} \end{array}$ 

### 5 Mixed concrete and generic

Using math sub/super-scripts:

$ \begin{array}{c} B_i \\ B_{d_i} \\ B^0_i \\ B^0_{d_i} \end{array} $	$B_{d}^{j}$ $B_{d}^{0j}$ $B_{d}^{0j}$	$B_{i}^{j}$ $B_{d_{i}}^{j}$ $B_{i}^{0j}$ $B_{d_{i}}^{0j}$
$ \begin{array}{c} B_i \\ B_{d_i} \\ B^0_{i} \\ B^0_{d_i} \end{array} $	$B^{j}$ $B_{d}^{j}$ $B^{0j}$ $B_{d}^{0j}$	$B_{i}^{j}$ $B_{d_{i}}^{j}$ $B_{d_{i}}^{0j}$ $B_{d_{i}}^{0j}$

## 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  $B_u^+$  particle This is a  $B^0$  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  $B^0$  scelerisque placerat enim. Nullam aliquet lorem eget augue. Nullam semper feugiat neque. Nam aliquet iaculis ante. Fusce ac mi.  $\overline{B}^0$  pellentesque sed ante. Maecenas consectetuer porta dolor. Pellentesque enim. Mauris augue orci, suscipit a, vestibulum nec,  $\widetilde{B}^0$  congue ac, elit. Donec lectus dui, molestie sed, molestie sed, sollicitudin nec, justo. Morbi porttitor odio at urna. Nam bibendum dui tempor lectus. Phasellus  $\overline{\widetilde{B}}^0$  porttitor vehicula sem. Sed a elit.

In volut<br/>pat. Sed quis arcu. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per incepto<br/>s $q^{\hat{d}}$ hymenaeos. Aenean vitae wisi. Praesent condimentum iaculis est. Praesent consecte<br/>tuer est non erat. Fusce eget erat at arcu pretium condimentum. Aliquam<br/>  $\bar{\ell}^+$  mauris dui, tincidunt eget, iaculis id, hendrerit non, lacus. Integer et odio ut arcu sollicitud<br/>in 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  $\bar{\chi}^0$  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.  $\overline{B}^0$  pellentesque sed ante. Maecenas consectetuer porta dolor. Pellentesque enim. Mauris augue orci, suscipit a, vestibulum nec,  $\widetilde{B}^0$  congue ac, elit. Donec lectus dui, molestie sed, molestie sed, sollicitudin nec, justo. Morbi porttitor odio at urna. Nam bibendum dui tempor lectus. Phasellus  $\overline{\widetilde{B}}^0$  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  $\overline{B}^0$  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  $\overline{\widetilde{B}}^0$  dictumst.

#### 8 Misc

 $\pi \lambda \pi \lambda$