TABLES

TABLE I. Preliminary $\pi\beta$ Branching Ratio Parameters: 1/4 Fall 1999 Data Set

Run Number (`runlog.txt`)	21200–21720	σ	Remark
Run Date (`e-log`)	10/18–11/12		
$N_{\pi\beta}$ (`HID=236010`)	1411±37	2.62%	Number of $\pi\beta$ events
N_{PISTOP} (`odbhist`)	$0.9242 \cdot 10^{12}$	<0.01%	Number of πSTOPs
f_{π^+} (`HID=281000`)	0.9238±0.0070	0.76%	π^+ fraction in πSTOP
f_{DPG} (`HID=201010`)	0.4254±0.0035	0.84%	Delayed gate fraction
A (`GEANT`)	0.5611±0.0030	0.53%	Detector acceptance
τ_{cl} (`odbhist`)	0.8562±0.0001	0.01%	Computer live fraction
f_{CPP} (`HID=290004`)	0.8460±0.0002	0.02%	CP veto pile-up
$f_{\pi^0\to\gamma\gamma}$ (PDP)	0.9880±0.00003	0.03%	$\pi^0 \to \gamma\gamma$ BR
f_{t} (`GEANT`)	0.953±0.003	0.30%	Energy tail correction

$$\mathrm{BR}_{\pi\beta} = \frac{N_{\pi\beta}}{N_{\mathrm{PISTOP}} \cdot f_{\pi^+} \cdot f_{\mathrm{DPG}} \cdot A \cdot \tau_{\mathrm{cl}} \cdot f_{\mathrm{CPP}} \cdot f_{\pi^0\to\gamma\gamma} \cdot f_{\mathrm{t}}} \tag{0.1}$$

$$\mathrm{BR}_{\pi\beta} = \frac{1411}{0.9242 \cdot 10^{12} \cdot 0.9238 \cdot 0.4254 \cdot 0.5611 \cdot 0.8562 \cdot 0.8460 \cdot 0.988 \cdot 0.953} = (1.015 \pm 0.030) \cdot 10^{-8} \tag{0.2}$$

$$\mathrm{BR}_{\pi\beta}\ (\mathrm{PDP98}) = (1.025 \pm 0.034) \cdot 10^{-8} \tag{0.3}$$

$$\mathrm{BR}_{\pi\beta}\ (\mathrm{CVC}) = (1.0482 \pm 0.0048) \cdot 10^{-8} \tag{0.4}$$