

**my opinions on ψ '' running
(plus a comment)**

Stephen Olsen

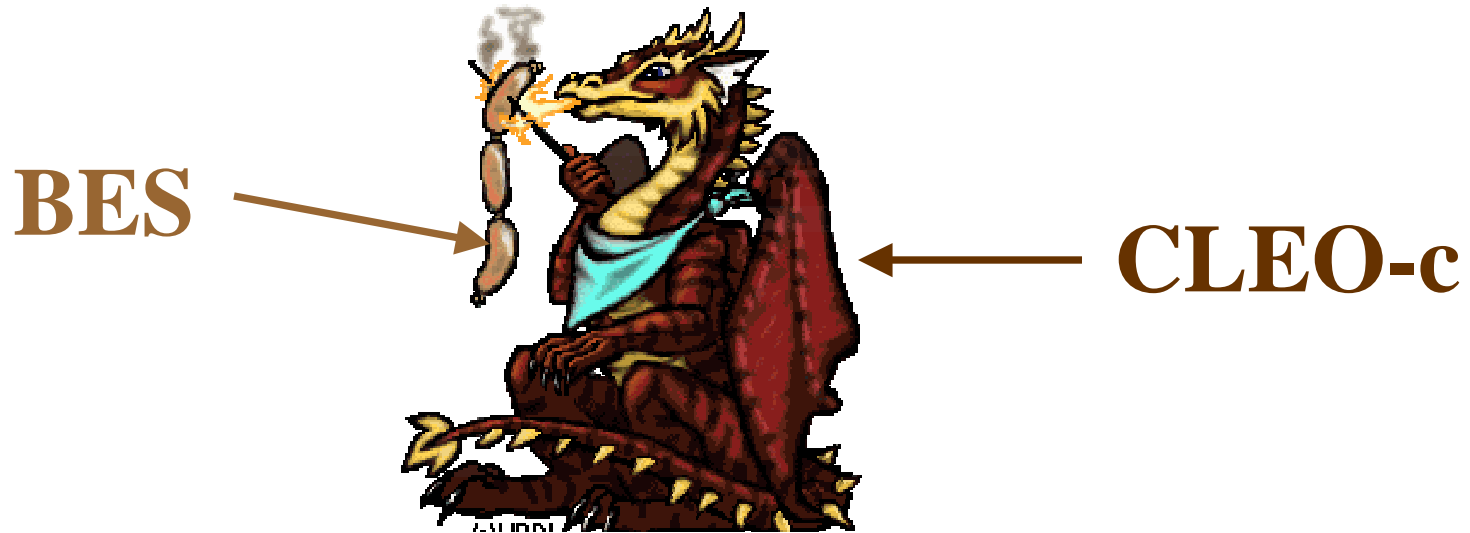
- **absolute $\text{Br}(\text{D} \rightarrow \text{K}^- \pi^+)$?**
 - $\pm 4\%$ (stat) $\pm 4\%$ (stat) \leftrightarrow $< \pm 5\%$ (tot) PDG
 - CLEO will get $\sim \pm 1\%$
- **non-DD decays of ψ'' ?**
 - long-shot (non-BB decays of the $\Upsilon(4S) < 1 \sim 2\%$)
 - hard measurement (CLEO did it wrong)
- **$\text{D} \rightarrow \mu^+ \nu$?**
 - not very definitive (< 10 events; CLEO will get > 100)
- **$\psi'' \rightarrow \pi^+ \pi^- \text{J}/\psi$?**
 - not fundamental; not worth 2 yrs running
 - theories (probably wrong) have lots of flexibility
- **studies of the σ & κ in $\text{D} \rightarrow \text{K} \pi \pi$ decays?**
 - already done with 100's of events
- **$\text{D} \rightarrow \text{K} \text{l}^+ \nu$; $\text{K}^* \text{l}^+ \nu$ & $\pi \text{l}^+ \nu$ Br's & form factors?**
 - already done
 - $|V_{cd}|/|V_{cs}|$ already at level of theory errors

Moreover

- **CLEO-c will start run ~2003**
 - **~50 times the luminosity** (1 yr of BES-II/2 days)
 - **5~10 times better detector**
 - $\sigma(E_\gamma)/E_g$ @ 1GeV: CLEO:~2% BESII: ~22%
 - $\sigma(p_\tau)/p_t$ @ 1GeV/c: CLEO:<0.5% BESII: ~1.5%
 - **CLEO has ability to publish promptly**
 - BES does not
- **BES will have too little and too late**

Why be CLEO-c's punching bag?

CLEO-c is an 800 lb Gorilla!! (Dragon??)



We should run away from it as fast
and as far as possible

i.e., run on continuum & @ ψ'