

Observation of a Pair Decay of Short-Lived Neutral Particles Produced in 400 GeV/c Proton Interactions.

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In this paper there are some errors due to an uncorrect transcription from the original manuscript:

- 1) Page 581, bottom. Instead of $(4.21^{+0.50}_{-1.53}) \cdot 10^{-14}$ s
one should read $(4.21^{+0.50}_{-0.53}) \cdot 10^{-14}$ s.
- 2) Page 583, 3rd row from the bottom. Instead of $\tau_{X^0} = (1.18^{+0.34}_{-0.21}) \cdot 10^{-12}$ s
one should read $\tau_{X^0} = (1.18^{+0.34}_{-0.20}) \cdot 10^{-12}$ s.
- 3) Page 583, 3rd row from the bottom. Instead of 5 GeV/c
one should read 5.7 GeV/c.
- 4) Page 584, 10th row from the bottom. Instead of « Detection efficiency »
one should read « Detection efficiency of ».
- 5) Page 584. The corrected table is the following:

TABLE I. - Summary of the two *vees*.

| | V^0 | X^0 |
|----------------------------------|---|---|
| Flight length (μm) | 320 ± 20 | 2930 ± 200 |
| Emitting angle (rad) | $1.89 \cdot 10^{-2}$ | $2.83 \cdot 10^{-2}$ |
| Daughters | had $+ e^\pm + ?$ | $\pi^0 + ?$ |
| θ_{daughter} (rad) | $\theta_{\text{had}} = 1.23 \cdot 10^{-2}$ $\theta_e = 3.90 \cdot 10^{-2}$ | $\theta_{\pi^0} = 1.4 \cdot 10^{-2}$ |
| Visible momentum (GeV/c) | $P_{\text{had}} = 52^{+8}_{-6}$ | $P_{\gamma d} = 11.1 \pm 3$ |
| | $P_e = 6.25^{+1.60}_{-0.82}$ | $P_{\gamma e} = 2.9 \pm 0.9$ |
| Assumed meson decay mode | $K^\pm e^\mp \nu_e$ | $\pi^0 K^0$ |
| Mass (GeV) | 1.863 if $P_\nu = 7 \text{ GeV}/c$ | 1.863 if $P_{K^0} = 1.2 \text{ GeV}/c$ |
| P_t (GeV/c) | $1.23^{+0.31}_{-0.13}$ | 0.43 ± 0.10 |
| τ (s) | $(3.02^{+0.39}_{-0.42}) \cdot 10^{-14}$ | $(1.18^{+0.34}_{-0.20}) \cdot 10^{-12}$ |
| Assumed baryon decay mode | $\Xi^- e^+ \nu_e$ | $\pi^0 \Xi^0$ |
| Mass (GeV) | 2.48 if $P_\nu = 4.5 \text{ GeV}/c$ | 2.48 if $P_{\Xi^0} = 5.7 \text{ GeV}/c$ |
| P_t (GeV) | $1.18^{+0.18}_{-0.13}$ | 0.56 ± 0.13 |
| τ (s) | $(4.21^{+0.50}_{-0.53}) \cdot 10^{-14}$ | $(1.23^{+0.37}_{-0.24}) \cdot 10^{-12}$ |

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