

| $ZH \rightarrow \ell^+ \ell^- + \text{invisible}$ |      | CDF Run II Preliminary, $\mathcal{L} = 9.7 \text{ fb}^{-1}$ |      |            |                 |                 |           |      |
|---|------|---|------|------------|-----------------|-----------------|-----------|------|
| Systematic Uncertainties (%)                      | $ZZ$ | $WZ$  | $WW$ | $t\bar{t}$ | $W+\text{jets}$ | $Z+\text{jets}$ | $W\gamma$ | $ZH$ |
| Theory cross section                              | 6    | 6   | 6    | 10         |                 | 33              | 10        | 5    |
| NLO acceptance                                    | 5    | 5   |      | 10         |                 |                 | 5         | 10   |
| Luminosity  | 5.9  | 5.9   | 5.9  | 5.9        |                 |                 | 5.9       | 5.9  |
| Electron conversion                               |      |   |      |            |                 |                 | 10        | 5.9  |
| Jet-energy scale                                  | 2    | 4   | 1    | 4          |                 | 28              | 3         | 1    |
| Initial/final state radiation                     |      |   |      |            |                 |                 |           | 8    |
| Fake lepton rate                                  |      |   |      |            |                 | 15              |           |      |
| Lepton ID   | 3    | 3   | 3    | 3          |                 | 3               |           | 3    |
| Trigger efficiency                                | 2    | 2   | 2    | 2          |                 | 2               |           | 2    |