

| Systematic sources     | Analysis      |    | Detector scenarios |              |          |
|------------------------|---------------|----|--------------------|--------------|----------|
|                        | $W^\pm W^\pm$ | WZ | Phase I            | Phase I aged | Phase II |
| jet energy scale       | X             | X  | 1–3%               | 1.5–4%       | 1–3%     |
| jet energy resol.      | X             | X  | 5%                 | 6.5%         | 5%       |
| muon energy scale      | X             | X  | 1%                 | 2%           | 1%       |
| muon energy resol.     | X             | X  | 1%                 | 2%           | 1%       |
| electron energy scale  | X             | X  | 2%                 | 4%           | 2%       |
| electron energy resol. | X             | X  | 2%                 | 4%           | 2%       |
| lepton efficiency      | X             | X  | 2%                 | 2%           | 2%       |
| lepton fake rate       | X             |    | 30%                | 30%          | 30%      |
| lepton wrong charge    | X             |    | 30%                | 30%          | 30%      |
| b-tag efficiency       | X             |    | 4%                 | 5.5%         | 4%       |
| signal acceptance      | X             | X  | 2%                 | 2%           | 2%       |
| QCD scale choice       | X             | X  | 3%                 | 3%           | 3%       |
| parton densities       | X             | X  | 7%                 | 7%           | 7%       |
| LHC luminosity         | X             | X  | 2.6%               | 2.6%         | 2.6%     |