

# THE ZOO OF FIELD THEORY MODELS

## 1. ABBREVIATIONS

- **M**: Maxwell
- **CS**: Chern-Simmons
- **H**: Higgs
- **N**: Neutral scalar field
- **Eim**: Electric impurity
- **O(3)**:  $O(3)$  Sigma model

## 2. MODELS

- Lee-Yi: CS-H-Eimp on  $\mathbb{R}^2$  [**PhysRevD.52.2412**].
- Kim-Lee-Lee: M-CS-N-H-O(3) on  $\mathbb{R}^2$  [**PhysRevD.53.4436**].