**Comments (revision 2)**

**It is reading much better! I think it would be worth thinking more about the organization, if you are willing.**

1. Section 3 should be titles **Preliminary Results** because there is no proposed research presented.

2. I totally appreciate the issue you describe where the proposed research does not align with the organization of the proposed experiments. However, if possible, I strongly suggest we need find a way to synch the Objectives with the Research Aims (ie, Research Plan and Methodology sections 3.2-3.5). As currently written, we have three objectives, but it is not clear how the four research tasks (Aims) align to achieve the individual objectives (Research Objectives). My sense is that reviewers will find the plan confusing without a clear link organizationally to guide their thinking.

**Section 2. Research Objectives and Expected Significance.**

- Objective 1. Investigation of the spin-dependent plasmonic effects in the vicinity of the

K, K’ point

- Objective 2. Plasmonic edge states.

- Objective 3. Investigation of plasmonic heterostructures with TMDs.

**Section 3. (Research Plan and Methodology)**

- 3.2 Establishing a solid connection between the structure geometry and the

spin-dependent plasmonic effects

- 3.3 Verification of the helical phase.

- 3.4 Realizing topological metasurface based on chiral unit-cell array

- 3.5 Combining plasmonic metasurfaces with a TMD layer

Suggestions:

Can we somehow categorize each aim (sections 3.2 to 3.5) under one or more Objectives? For example, can we organize it as below. I realize that my example is not technically appropriate, but it gives an example of a structure that connects your research objectives with specific aims to achieve those objectives. It may require some re-writing but it should improve the clarity for reviewers. Alternatively, can we make your objectives match you aims presented in section 3? For example, Objective 1 could be “Establishing a solid connection between the structure geometry and the spin-dependent plasmonic effects”. This might make require less re-writing or re-organization, assuming that this text makes sense as an objective. Please let me know if you have questions at any time.

**Research Plan and Methodology**

To achieve research Objective 1

**Aim 1. Establishing a solid connection between the structure geometry and the**

**spin-dependent plasmonic effects**. Specific Aim 1 will address Research Objective 1 (Investigation of the spin-dependent plasmonic effects in the vicinity of the K, K’ point) by performing a systematic study of the plasmonic structures possessing space-inversion symmetry breaking. etc.

**Aim 2. Verification of the helical phase.** Specific Aim 2 will address Research Objective 2 (Plasmonic edge states) by verifying the phase through direct measurement and by means of a numerical and a semi-analytical calculations. etc.

**Aim 3. Realizing topological metasurface based on chiral unit-cell array.** Specific Aim 3 will further address Objective 2 (Plasmonic edge states) by investigating additional plasmonic structures.

**Aim 4. Combining plasmonic metasurfaces with a TMD layer.** Aim 4 will address Objective 3 (Investigation of plasmonic heterostructures with TMDs) by combining plasmonic structure with a broken space-inversion symmetry within the TMD layer.