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## Optimization of the Selection of Exotic Particles in the SHiP Experiment

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The Search for Hidden Particles experiment is currently being prepared. Amongst other purposes, it will try to detect for the first time the direct decays of Hidden Sector particles to Standard Model ones. Amongst these, are Dark Photons and Heavy Neutral Leptons. I will be talking about the preparation for this experiment, and more specifically, the optimization of the selection of specific branchings of the aforementioned particles.

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