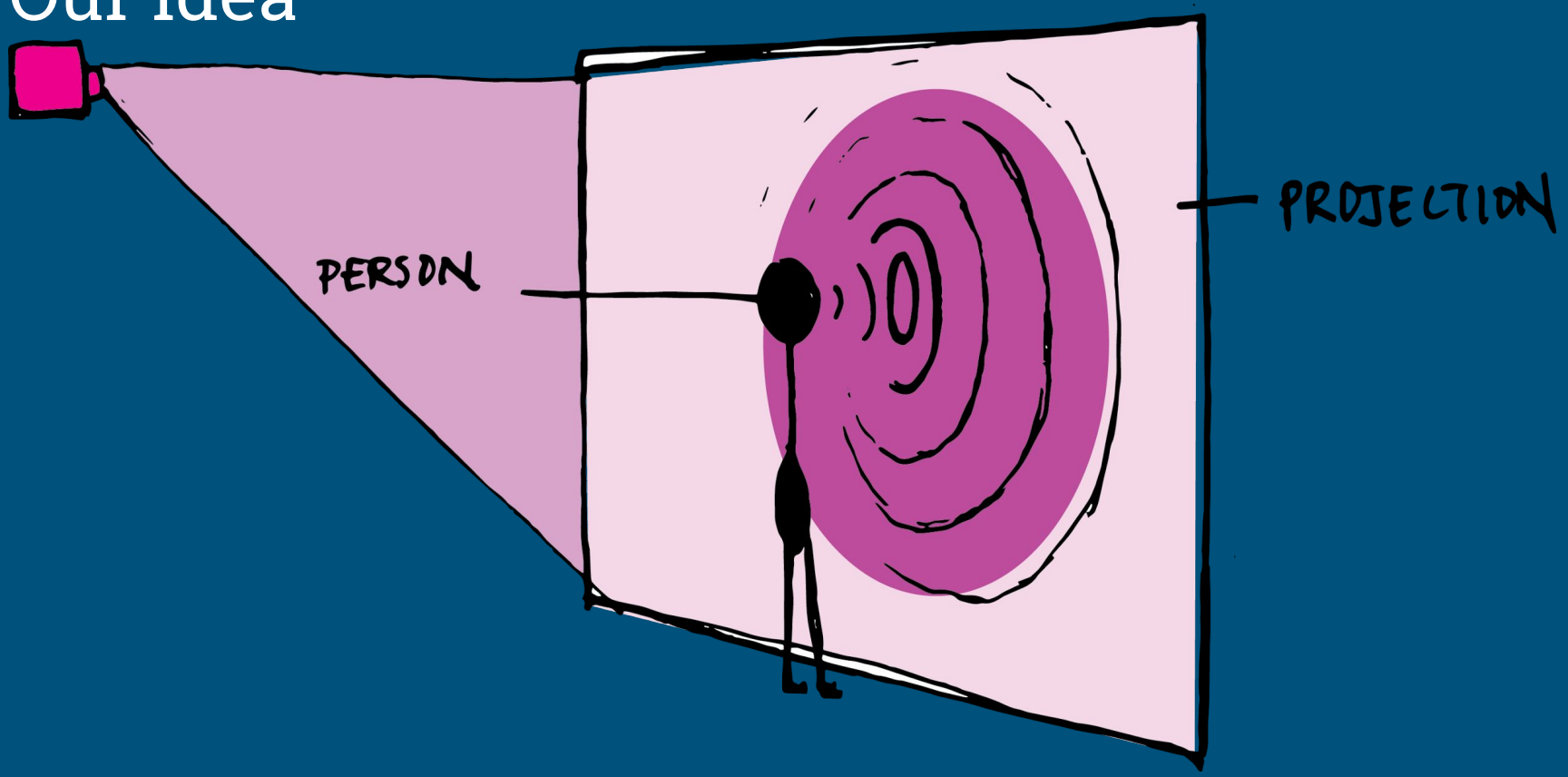
SSTSSOPE

Super Special Top Secret Special Operative Project Echo

Agenda

+ Introduce project idea *(5 min)*
+ Brainstorm user interaction *(5 min)*
+ Brainstorm sensing *(5 min)*
+ Brainstorm data visualization *(5 min)*
+ Clarify any lingering questions *(5 min)*

Our Idea



User Interactions

+ Given that our mission is to visualize echos
+ And that we are using sound and video collection

What kinds of interactions can you imagine imagine imagine imagine imagine imagine?

Sensing

+ In using a camera to track location, what sort of visual marker should we put on the person? We're searching for something that doesn't retract from the experience (it optimally adds to the experience), yet is still easy for us to track.
+ What sort of audio detection should we use? Is a mic pack too much trouble? Would a boom mic be too inaccurate?

Data Visualization [1/2]

+ We are currently exploring pygame to visualize the data that we are collecting. What other libraries can we utilize in conjunction with or instead of pygame? How can we best use pygame to accomplish what we want?
+ What characteristics of the audio should we pay attention to? Pitch? Volume? Length of noise made?

Data Visualization [2/2]

+ What hardware bests allows us to capture that?
+ We are going to be making complicated shapes with complex interactions between the shapes. What are some resources or tools (mathematical formulas) that we can use to make and track the movement of these shapes?