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|  | *Pros* | *Cons* |
| *Design 1* | -Good use of space  -Clips are good idea to hold  different layers  -Good place for Geiger tube  -Gear to wind it up  -Magnets to hold the things  -Included a camera  -Separate mechanism to move each piece of plastic  Included camera | -Cluttered  -Strings get tangled  -No way to get plastic to the  Geiger tube  -Magnets could interfere with electronics  -When the plastic is pulled  loose from the wall, design is  doesn’t function  -Pulley looks like it’s behind  the Geiger tube  -Too cramped  -Camera not wired yet  -Pulley system won’t pull the  plastic in the right place |
| *Design 2* | -Plenty of space  -Well organized  -Looks functional  -Simple design, reliable  -Plastic layer that separates box  -Included a camera  -Works well in microgravity  -Space efficient  -Simple to sketch  -Good camera angle  -Simple, easy to get parts  -Simple design  -Not very problematic  -Easily viewed by the camera | -Have wires outside the box  -Plastic layer goes all the way  across the box  -One directional motor  -Tangling of the string  -Breakage of the string  -Ground based might have  other issues  -Motor placed too high  -Placement of tube  -No space for redundant system  -Motor too far away |
| *Design 3* | -Geiger tube in the middle  -More layers  -Included a camera  -Efficient use of space  -Unique design  -Camera placement is good | -Too complicated (unreliable)  -Constant power needed for  electromagnets is problematic  -Coding difficult  -Magnets could interfere with  electronics  -Power consumption higher  -No wiring or mounting device  for the camera  -Motor is oriented incorrectly  -Hard to fit 2 motors  -Camera looks flat |