**Graphs of motion ILDs** Name pd

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| **What the demo is** | **My initial prediction without talking to people** | **My prediction after talking to people** | **What the actual result was** |
| The cart rolls across the surface at a constant velocity away from the detector. |  |  |  |
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| The cart rolls across the surface at a constant velocity toward the detector. |  |  |  |
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| **What the demo is** | **My initial prediction without talking to people** | **My prediction after talking to people** | **What the actual result was** |
| The track is slanted away from the detector. The cart is initially at rest near the detector, and is released so it accelerates away from the detector. |  |  |  |
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| The track is slanted away from the detector. The cart starts at the opposite end of the track from the detector after having been given a push toward the detector.  It rolls to a stop up the ramp |  |  |  |
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| **What the demo is** | **My initial prediction without talking to people** | **My prediction after talking to people** | **What the actual result was** |
| The track is slanted toward the detector. The cart is initially at rest near the far end, and is released so it accelerates toward the detector. |  |  |  |
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| The track is slanted toward the detector. The cart starts at the same end of the track as the detector. I give it a push up the ramp away from the detector. It rolls to a stop up the ramp away from the detector |  |  |  |
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| **What the demo is** | **My initial prediction without talking to people** | **My prediction after talking to people** | **What the actual result was** |
| The track is slanted toward the detector. The cart starts near the detector, is given a push away from the detector.It rolls away from the detector, and then comes back to its original position. |  |  |  |
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| The track is slanted away from the detector. The cart starts at the opposite end of the track from the detector after having been given a push toward the detector. It rolls toward the detector, and then comes back to its original position. |  |  |  |
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