QuarkNet Johns Hopkins summer 2020 chat day 1

From Andrei Gritsan to Everyone: (9:45 AM)
https://gritsan.pha.jhu.edu/talks/talk_jhu_Aug2020.pdf

From Kevin to Everyone: (12:31 PM)
https://home.cern/news/press-release/physics/cern-experiments-announce-first-indications-rare-higgs-boson-process
From Matthew Jacobs to Everyone: (12:33 PM)
Latest XKCD comic may be of amusement to folks here: https://xkcd.com/2340/
From Matthew Jochmans to Everyone: (12:39 PM)
https://quarknet.org/content/2020-jhu-workshop-agenda-list-talks

From Matthew Jacobs to Everyone: (1:19 PM)
I have used both Physics Toolbox and PhyPhox apps. My high school IB students were able to use PhyPhox to do experiments pretty easily, and get good results. They liked using it.
From James Rittner to Everyone: (1:21 PM)
I encountered a cool friction lab with phone sensors online the other night. I'll try to find the link. It uses rubber bands to accelerate phones across a level surface and then it coasts to a stop. You can also do impulse momentum change.

From Greg Hrinda to Everyone: (1:55 PM)
https://projects.delta.ncsu.edu/mytech/#

From Greg Hrinda to Everyone: (2:10 PM)
Does anyone use Vernier's PIVOT Interactives
https://www.vernier.com/product/pivot-interactives/?Does it have a school license?
From Matthew Jacobs to Everyone: (2:22 PM)
Pivot Interactives, to my knowledge, does not sell school licenses. It's a flat $5 per student. So, it can get expensive.
From Reid Mumford to Everyone: (2:30 PM)
https://www.vernier.com/til/1890How to adjust the frame rate

From Me to Everyone: (2:34 PM)
30 day version of logger pro or download https://www.vernier.com/til/3096
From Ray Hodges to Everyone: (2:35 PM)
the free logger pro lite has no video analysisif you have a site license for logger pro and kids download with a code, they have video analysis
From James Rittner to Everyone: (2:40 PM)
I'm thinking of doing a non-tech motion lab having students use stair steps or side-walk slabs as a coordinate system. Give them x1, x2, and x3 and time how long each segment takes to construct a position time graph.

From James Rittner to Everyone: (2:40 PM)

You can do conservation of energy with a pendulumconservation of momentum

From Mark Hermano to Everyone: (2:47 PM)

https://teacher.desmos.com/activitybuilder/custom/56e0b6af0133822106a0bed1

From christine to Everyone: (2:55 PM)

I teach thermo and ideal gases in my physics curriculum.

From Jeremy Smith to Everyone: (2:56 PM)

we'll introduce the last thing at 3pm