Scholl Matthew A. (Eod)
(b) (G)
(c) (C)
(c) (C From: To: Subject: Date:

Yup. Spend the last two days with IBM and Google talking about this. I will be sure to let you know when we meet Do you want to also be in on potential Q RNG standards. That is something we are late on as you noted

------ Original Message From: Timothy Granec**Hp (6)** Date: Wech, December 11, 2019 1:36 PM -J800 To: "Scholl, Mathew A, (Fed)" «matthew scholl@nist.gov"> Subject: Re: Energytions - Scientists Crack Longest Encryption Key Ever Subject: Re: Energytions - Scientists Crack Longest Encryption Key Ever

please include me. spent a good bit of time at inti pursuing this. a big part of the challenge is the sheer engineering effort. if there is some material science breakthrough or microsoft is correct about topological qubits, or algorithm breakthrough searching quantum state space, the number of high quality, coherent qubits needed could change

Sent from my iPad

On Dec 11, 2019, at 3:39 PM, Scholl, Matthew A. (Fed) <matthew.scholl@nist.gov> wrote:

Met with a guy today at the Q2B conference who Carl Williams thinks is light who believes it can be done with 10K qbits They are going to come to NIST and meet with us

------ Original Message ------From: Timothy Granes (**b)** (**b**) Date: Wed, December 11, 2019 12:18 PM -0800 To: "Scholl, Mathew A, (Fed)" - smatthew acholi@nist.gov>-Subject: Re: Energytions - Scientists Crack Longest Energytion Key Ever still very far away and even further on a practical level.

a million qubits is also a tall order.

Sent from my iPad

On Dec 11, 2019, at 2:55 PM, Scholl, Matthew A. (Fed) <matthew.scholl@nist.gov> wrote:

Awww crap I got a side bet with Andy on what's gonna break RSA first, classic or quantum. Looks like both might win

------ Original Message ------From: Timothy Grandelly) (6) Dat: Wed, December 11, 2019 11:26 AM-0800 Date: March 11, 2019 11:26 AM-0800 Date: March

https://gcoll_safclinks.geotection_outlook.com?haf=https?i3A%2F%2Fwww_popularmechanies.com?hi?Ewienech/2Fwi049512%2Fkongest-encryption=ever; cracked%2F&_data=02%7C01%2Cmatthew.scholl#40mist.gov%2Cea673a30507e51489208477c700e30%7C2ab548248fad*97a93a054655e6idee%2C1%7C1%7C637116892053565375&_sdata=ByVWLnpvA6vm%2BdibZYdHUWJcC04%2B0BA59hvG9ecD5e%3D&_reserved=0

Sent from my iPad