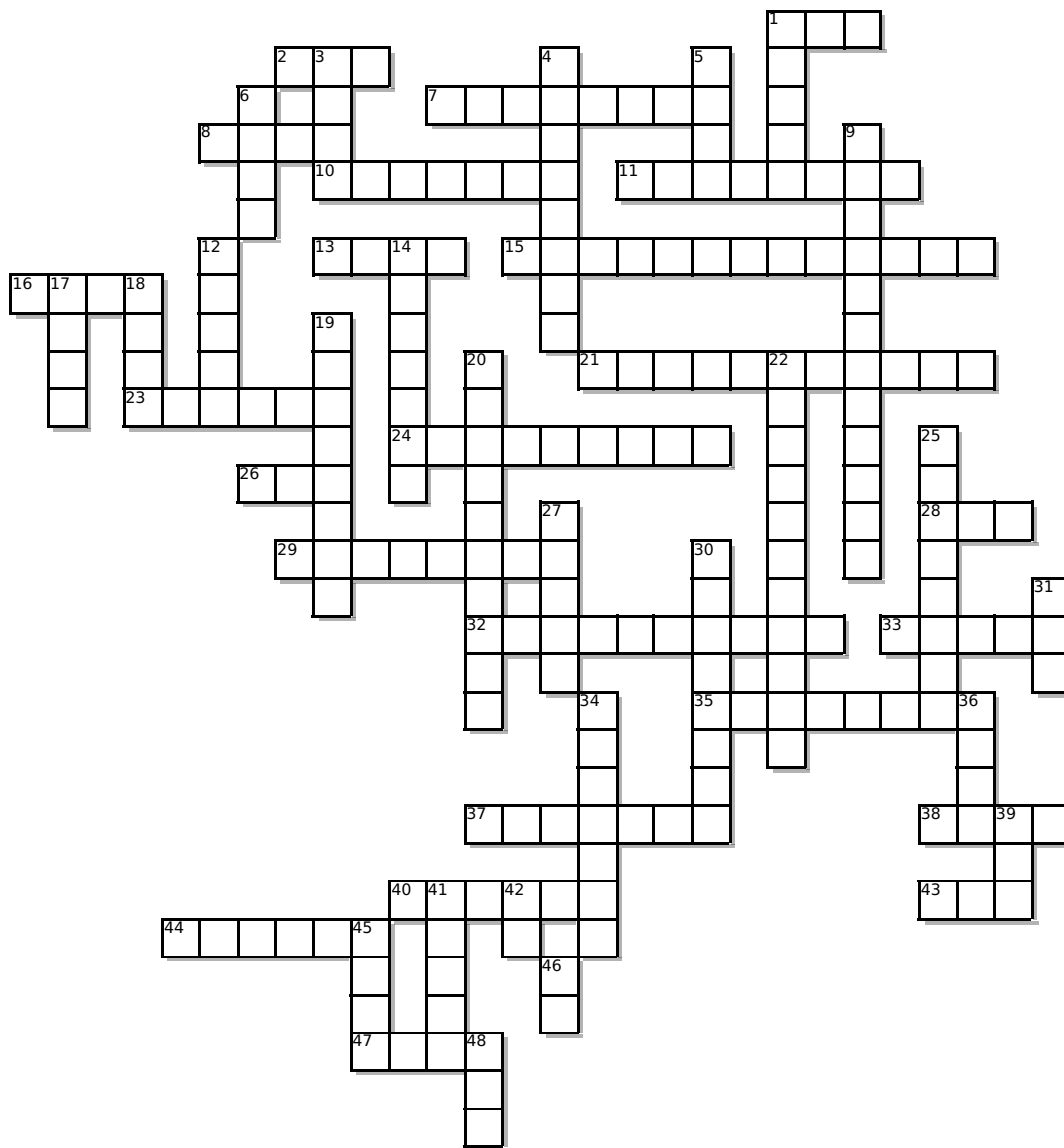


# QuarkNet Summer 2020 Crossword



## ACROSS

- 1 starts August 12
- 2 home to RHIC, for short
- 7 animal with mass equivalent to all dark matter in earth volume; also partner to moose
- 8 silicon photomultiplier, for short
- 10 sees neutrinos at the South Pole
- 11 the mass times the acceleration
- 13 online CMS masterclass
- 15 they met online before meeting online was cool
- 16 abbreviation for Mexico City, in Spanish
- 21 the only news source you need aside from the others
- 23 spacecraft that returned from ISS and made history
- 24 how we met, mostly, in 2020
- 26 QuarkNet center spotlighted in the last Super Summer Special
- 28 planned straight-line e+e- collider in Japan, for short
- 29 best particle physics education program
- 32 cartoon with unusual laws of physics
- 33 LHCb found a tetraquark entirely of this one flavor
- 35 rare Higgs decay seen at LHC
- 37 ATLAS saw these collide to make weak force carriers
- 38 the charming meson so nice they named it twice
- 40 city close to CERN and Fermilab
- 43 photomultiplier tube, for short
- 44 QuarkNet center in New England
- 47 big summer meeting 2020 was online for this organization

## DOWN

- 1 webinar series that ended in June
- 3 Neutrinos from the Main Injector
- 4 longer than half-life but similar in concept
- 5 Blast from the past: QuarkNet an der...
- 6 saw GW evidence of an object too heavy for a neutron star and too light for a black hole
- 9 CRMD counters have this to make photons
- 12 name of Greek letter for photon
- 14 neutrino masterclass subject
- 17 seen at the beach this summer or later under Lead SD
- 18 one place where Quarknetters get our chuckles
- 19 coupled, can model neutrino oscillations
- 20 like dark matter but more of it and we know even less
- 22 Cole Porter song about quarks?
- 25 particle, in German
- 27 biggest LHC detector
- 30 decade of DS9 or July temps
- 31 densest LHC detector
- 34 set your counters
- 36 supersymmetric partner of most massive quark
- 39 Concorde or class
- 41 software to communicate with the QuarkNet DAQ
- 42 really transverse momentum but measured in ECAL; phone home
- 45 experiment to measure neutrino oscillations
- 46 good Higgs decay channel
- 48 heavier cousin of muon