

CROSSWORD

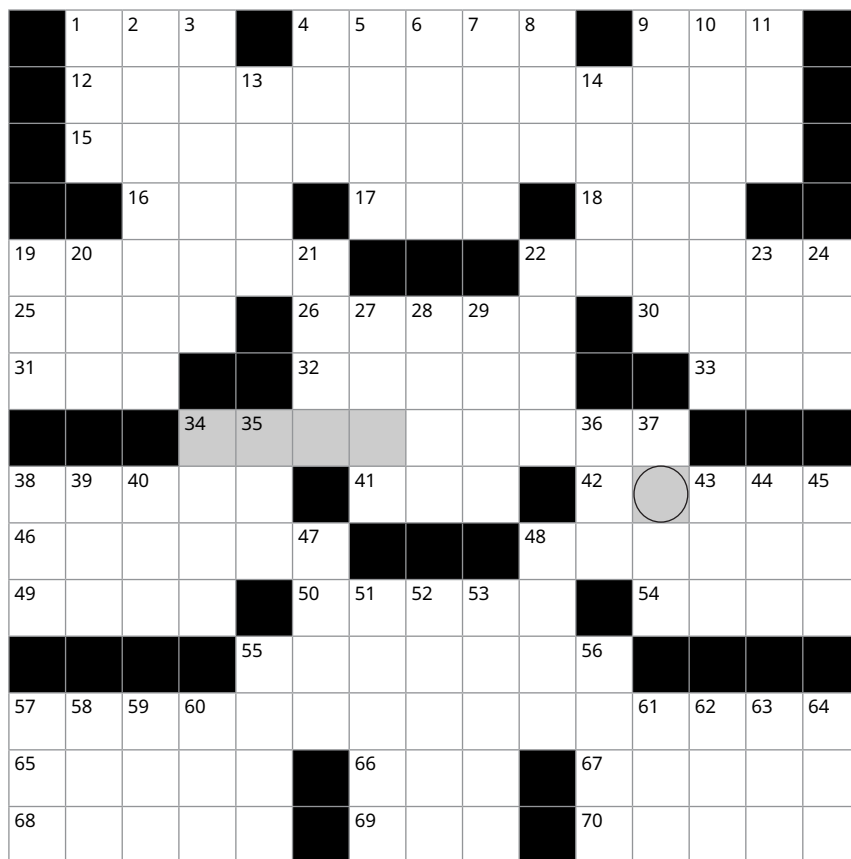
Copenhagen interpretation

By Doug Mar

The theme of this puzzle is the observational collapse of a quantum wavefunction into a single state. The shaded squares each represent two potential “states”—that is, they have two simultaneous solutions—except where the clue to 42-Across collapses the wavefunction in the circle into one of the two choices.

ACROSS

- 1 General on a Chinese menu
- 4 Word that, when searched, causes Google to display results off-kilter
- 9 Dined
- 12 Quantum mechanics phenomenon describing multiple simultaneous states that, upon observation, collapse to a single state
- 15 Elementary objects with quantum properties opposite to their counterparts
- 16 Accomplished
- 17 Govt. org. with a cryptologic museum
- 18 Container that is found overhead
- 19 ___ model (1913 contribution of Copenhagen’s Niels Bohr)
- 22 Planetary magnetic field generator
- 25 Reciprocal of micro
- 26 Following
- 30 Lass
- 31 Word of assent
- 32 Work of praise
- 33 Cornea cover
- 34 Charged leptons
- 38 New identity of a signal that exceeds the Nyquist limit
- 41 What A represents in hexadecimal
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- 55 NASA mission that was ended by being deliberately crashed into Jupiter
- 57 Feline that is subjected to 12-Across in a thought experiment
- 65 “Encore!”
- 66 By way of
- 67 In medical slang, this animal represents a surprising and exotic diagnosis



- 68 Gnat-like insect
 - 69 112.5° on a compass (abbr.)
 - 70 Watering holes
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 - 3 Best conditions
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 - 5 Stretch across
 - 6 Fashion designer Michael
 - 7 “¿Cómo ___ usted?”
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 - 10 Pedicure focus
 - 11 What every neutron has two of?
 - 13 Muslim holiday tradition
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	1	T	2	S	3	O		4	A	5	S	6	K	7	E	8	W		9	A	10	T	11	E	
	12	S	U	P	13	E	R	P	O	S	I	14	T	I	O	N									
	15	A	N	T	I	P	A	R	T	I	C	L	E	S											
		16	D	I	D		17	N	S	A		18	B	I	N										
19	20	A	T	O	M	I	21	C				22	D	Y	N	A	23	M	24	O					
25		M	E	G	A		26	A	F	T	E	R		30	G	I	R	L							
31		Y	E	S			32	P	A	E	A	N				33	L	I	D						
					34	P	O	S	I	T	R	O	36	N	37	S									
38	39	A	L	I	A	S		41	T	E	N		42	B	I	43	S	O	45	N					
46		T	I	S	S	U	47	E				48	B	A	N	A	N	A							
49		M	U	S	T		50	G	O	F	A	R		54	G	W	E	N							
						55	G	A	L	I	L	E	56												
57	58	S	C	H	R	O	D	I	N	G	E	R	61	S	62	C	63	A	64	T					
65		A	G	A	I	N		66	V	I	A		67	Z	E	B	R	A							
68		M	I	D	G	E		69	E	S	E		70	O	A	S	E	S							

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