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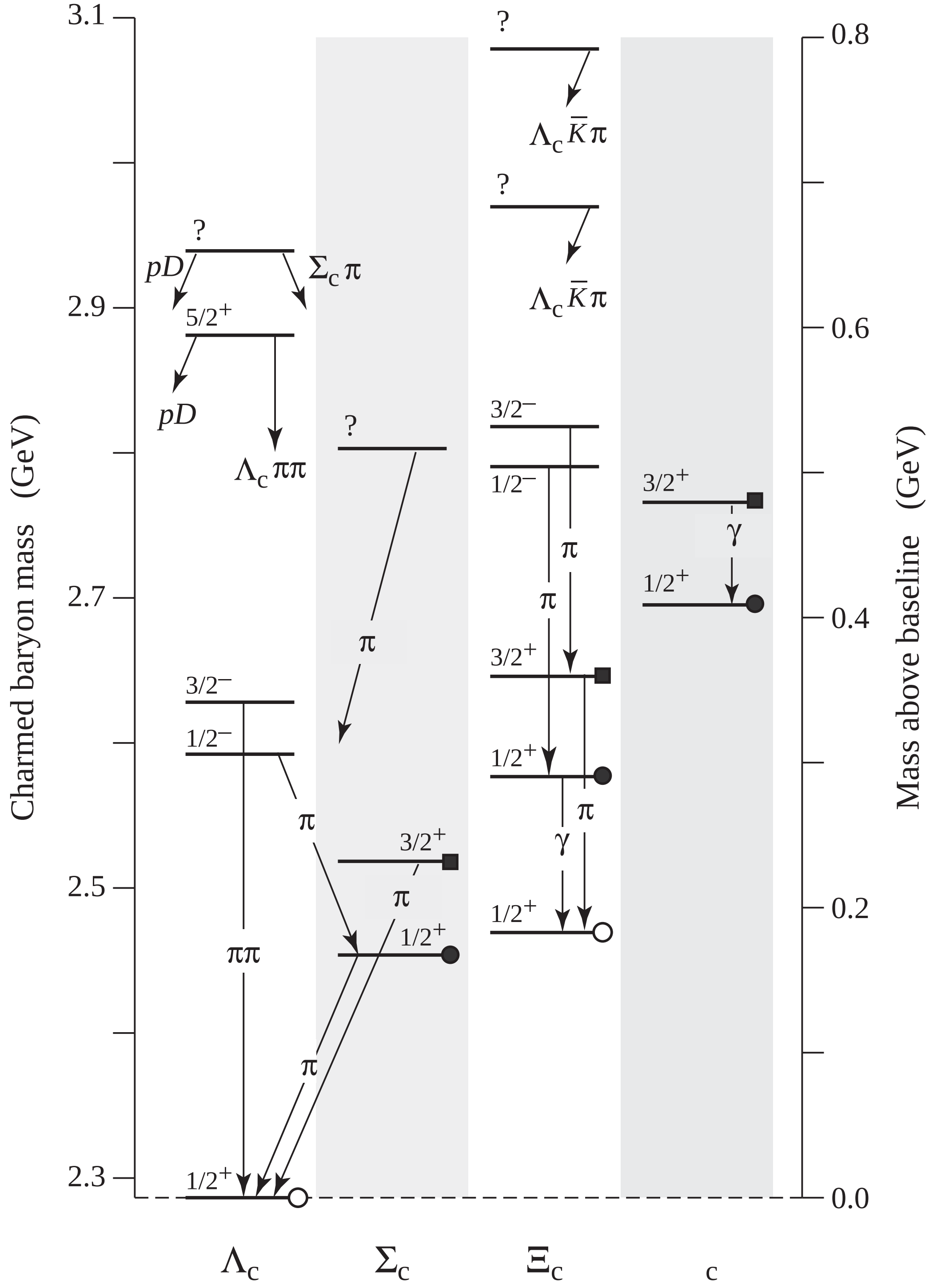

Figure 1. There are a lot of established c baryons, 17 in all.

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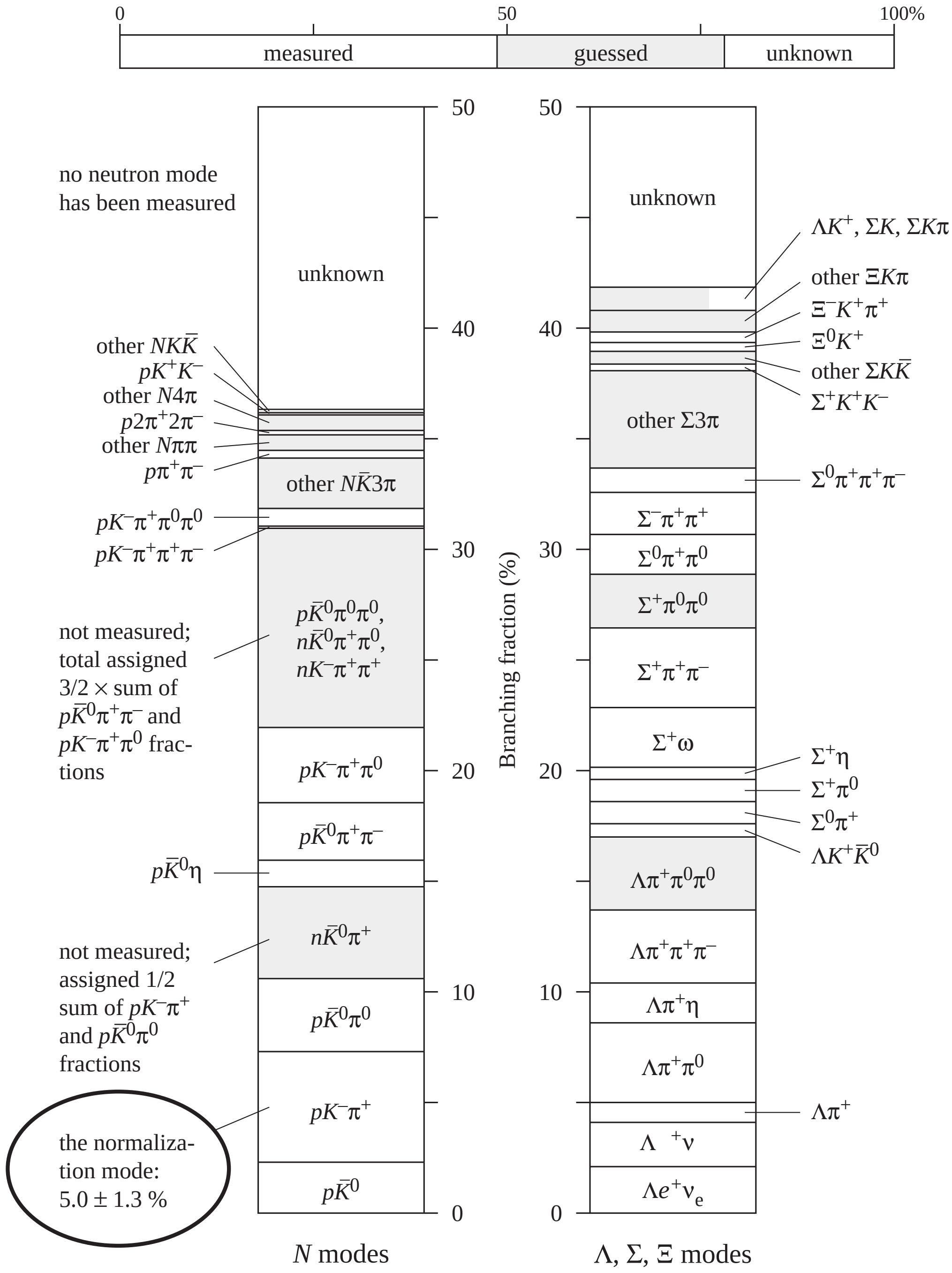

Figure 2. The Λ_c branching fractions for the 2002–2014 Reviews. The normalization fraction is from two discordant, model-dependent measurements, with a ±26% error.

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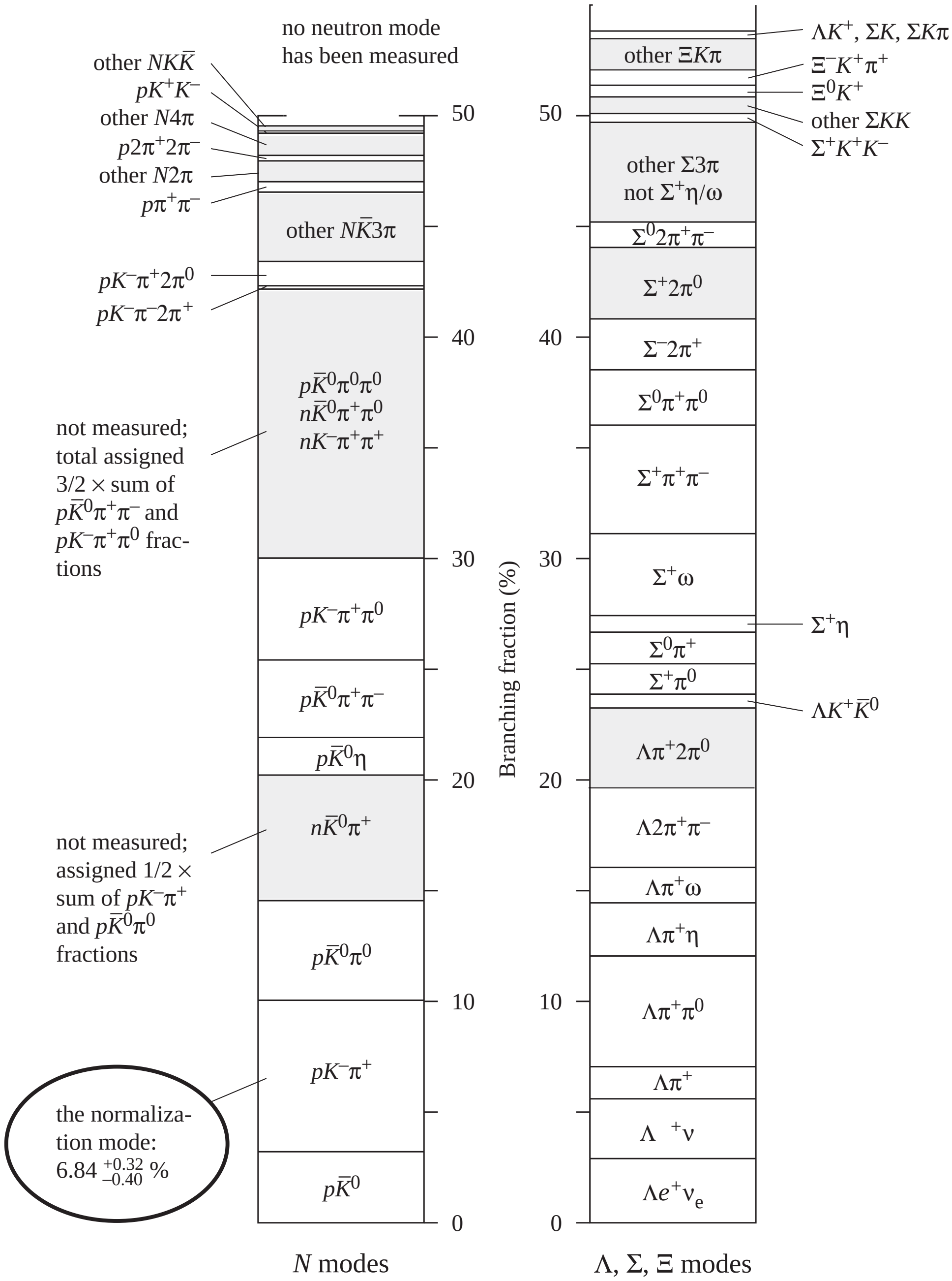

Figure 3. The Λ_c branching fractions for 2015. The normalization fraction is from Zupanc et al., PRL 113 (2014) 042002, measuring $e^+e^- \to D^{(*)-}\bar{p}\pi^+\Lambda_c^+$. The error is now ±5.3%.

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Ξ_c^+ DECAY MODES

	Mode		Fraction (Γ_i/Γ)	Confidence level
	No absolute branching fractions have been measured. The following are branching *ratios* relative to $\Xi^- 2\pi^+$.			
	Cabibbo-favored ($S = -2$) decays — relative to $\Xi^- 2\pi^+$			
Γ_1	$p 2K_S^0$		0.087 ± 0.021	
Γ_2	$\Lambda \overline{K}^0 \pi^+$		—	
Γ_3	$\Sigma(1385)^+ \overline{K}^0$	[a]	1.0 ± 0.5	
Γ_4	$\Lambda K^- 2\pi^+$		0.323 ± 0.033	
Γ_5	$\Lambda \overline{K}^*(892)^0 \pi^+$	[a]	<0.16	90%
Γ_6	$\Sigma(1385)^+ K^- \pi^+$	[a]	<0.23	90%
Γ_7	$\Sigma^+ K^- \pi^+$		0.94 ± 0.10	
Γ_8	$\Sigma^+ \overline{K}^*(892)^0$	[a]	0.81 ± 0.15	
Γ_9	$\Sigma^0 K^- 2\pi^+$		0.27 ± 0.12	
Γ_{10}	$\Xi^0 \pi^+$		0.55 ± 0.16	
Γ_{11}	$\Xi^- 2\pi^+$		**DEFINED AS 1**	
Γ_{12}	$\Xi(1530)^0 \pi^+$	[a]	<0.10	90%
Γ_{13}	$\Xi^0 \pi^+ \pi^0$		2.3 ± 0.7	
Γ_{14}	$\Xi^0 \pi^- 2\pi^+$		1.7 ± 0.5	
Γ_{15}	$\Xi^0 e^+ \nu_e$		$2.3 \ ^{+0.7}_{-0.8}$	
Γ_{16}	$\Omega^- K^+ \pi^+$		0.07 ± 0.04	
	Cabibbo-suppressed decays — relative to $\Xi^- 2\pi^+$			
Γ_{17}	$p K^- \pi^+$		0.21 ± 0.04	
Γ_{18}	$p \overline{K}^*(892)^0$	[a]	0.116 ± 0.030	
Γ_{19}	$\Sigma^+ \pi^+ \pi^-$		0.48 ± 0.20	
Γ_{20}	$\Sigma^- 2\pi^+$		0.18 ± 0.09	
Γ_{21}	$\Sigma^+ K^+ K^-$		0.15 ± 0.06	
Γ_{22}	$\Sigma^+ \phi$	[a]	<0.11	90%
Γ_{23}	$\Xi(1690)^0 K^+$, $\Xi(1690)^0 \to \Sigma^+ K^-$		<0.05	90%

[a] This branching fraction includes all the decay modes of the final-state resonance.

Figure 4. Even with no absolute fraction known, there is sometimes a better way than just putting "seen" for everything.

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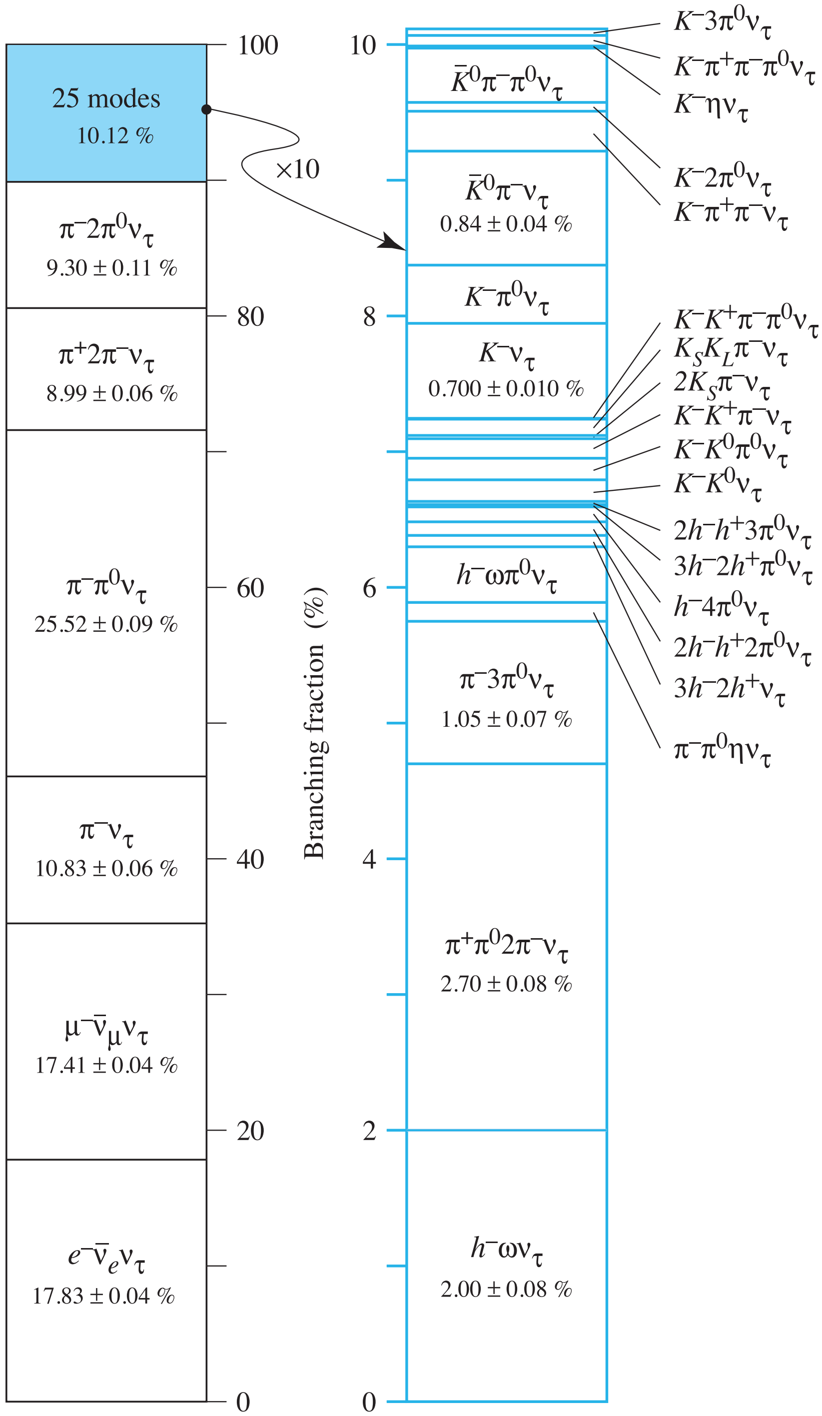

Figure 5. The 31 branching fractions of the τ. Are there other particles that would look good this way?

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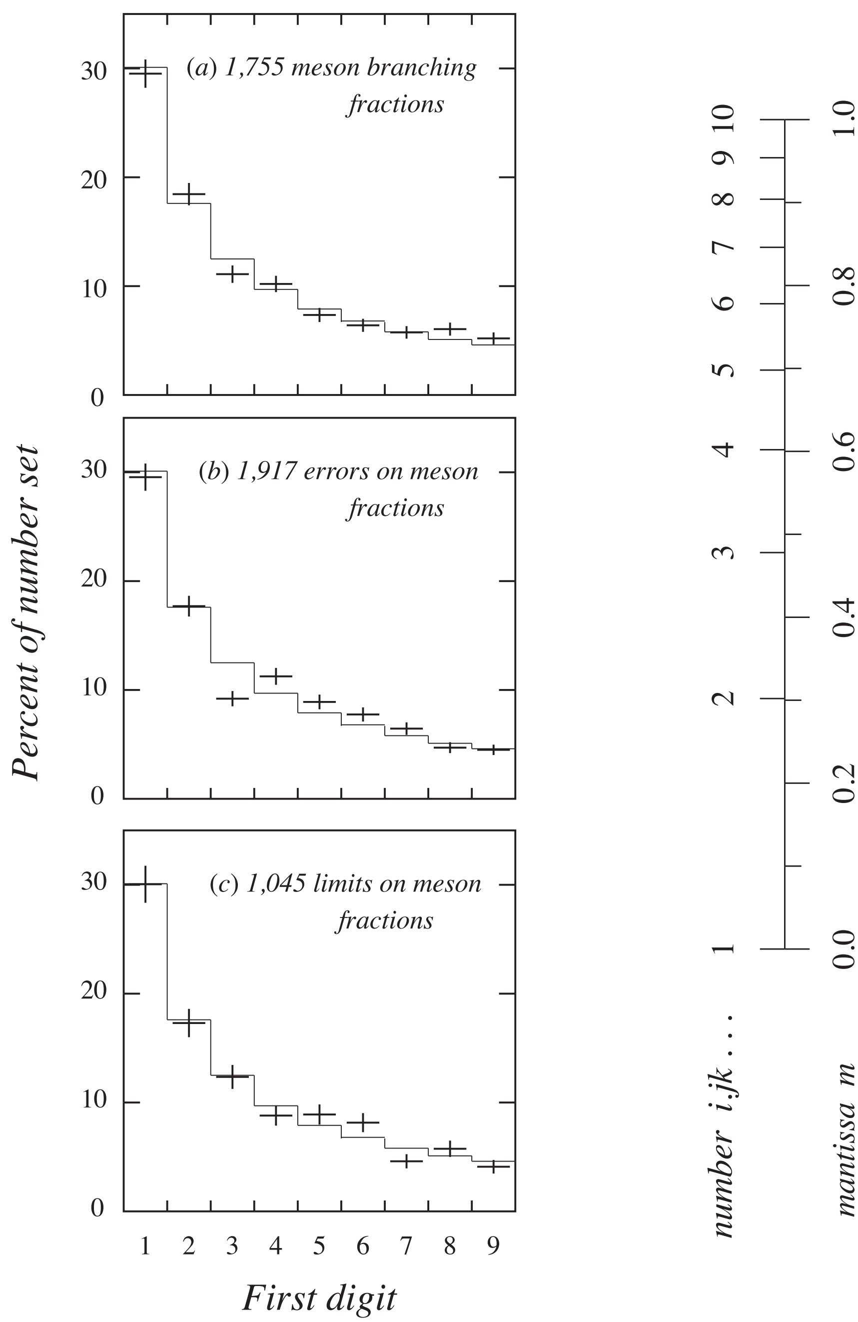

Figure 6. The distribution of first digits: (a) of meson branching fractions; (b) of errors on those fractions: and (c) of limits on rare or forbidden fractions. These distributions (and many others) obey Benford's first-digit law.

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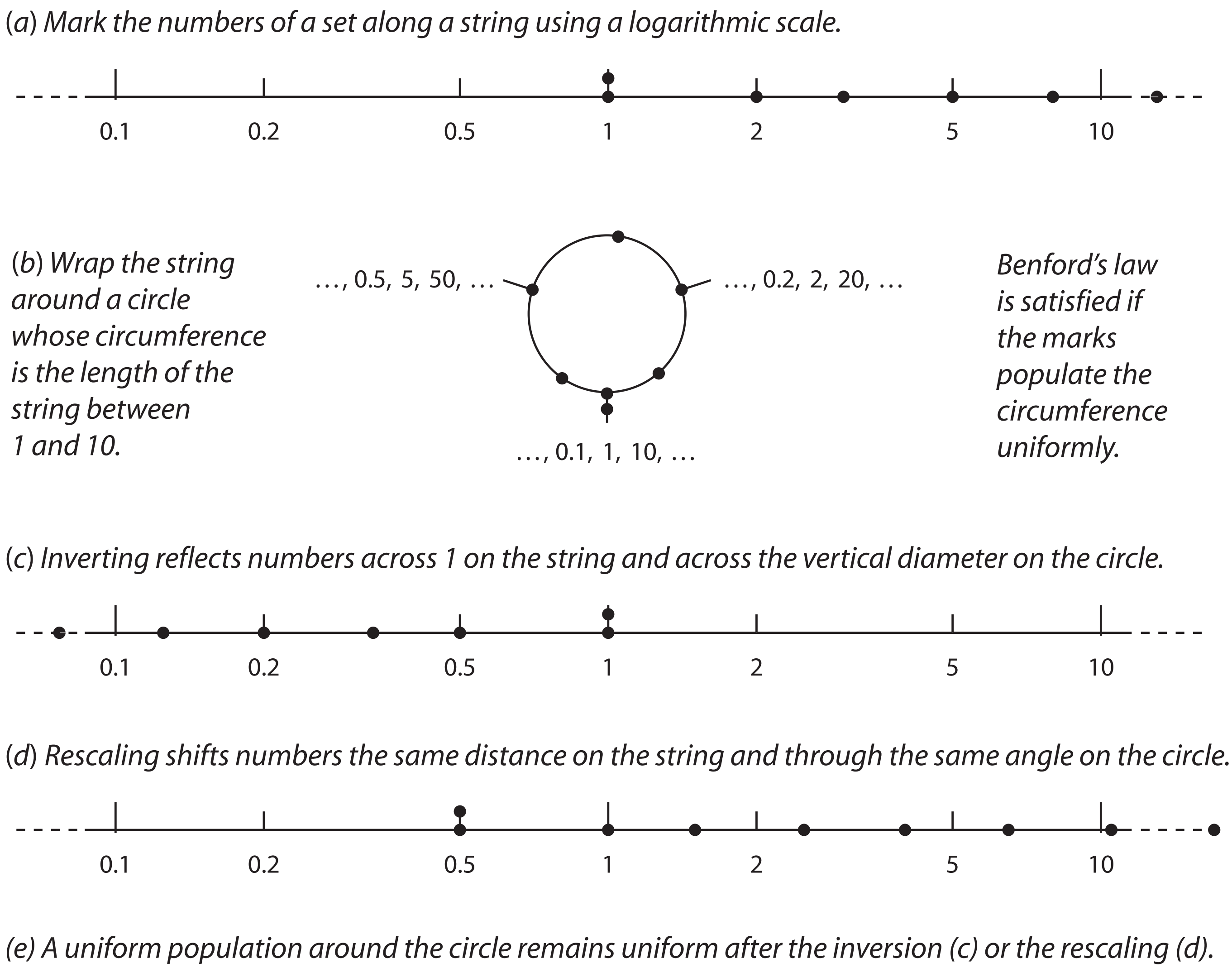

Figure 7. Proofs of inversion and scale invariance of a distribution that obeys Benford's law are reduced to symmetry operations on a circle. A few Fibonacci numbers are shown for illustration.