

fork rate  $C(\Delta_0)$  [%]

1.2

1.0

0.8

0.6

0.4

0.2

0.0

—  $C(\Delta_0)_{\{\lambda_i\} \sim \text{TPL}(\alpha, \beta)}$

—  $C(\Delta_0 | \{\lambda_i = \frac{b_i \cdot \Lambda}{B}\})$

— historically measured fork rate

$\Delta_0$  to propagate  
50% of network

block propagation time  $\Delta_0$  [s]

8

6

4

2

0

2015-06 2015-12 2016-07 2017-02 2017-08 2018-03 2018-09 2019-04 2019-10 2020-05 2020-12 2021-06 2022-01 2022-07 2023-02 2023-08 2024-03 2024-10 2025-04