

Analytic model for CMB temperature angular power spectrum from cosmic (super-)strings

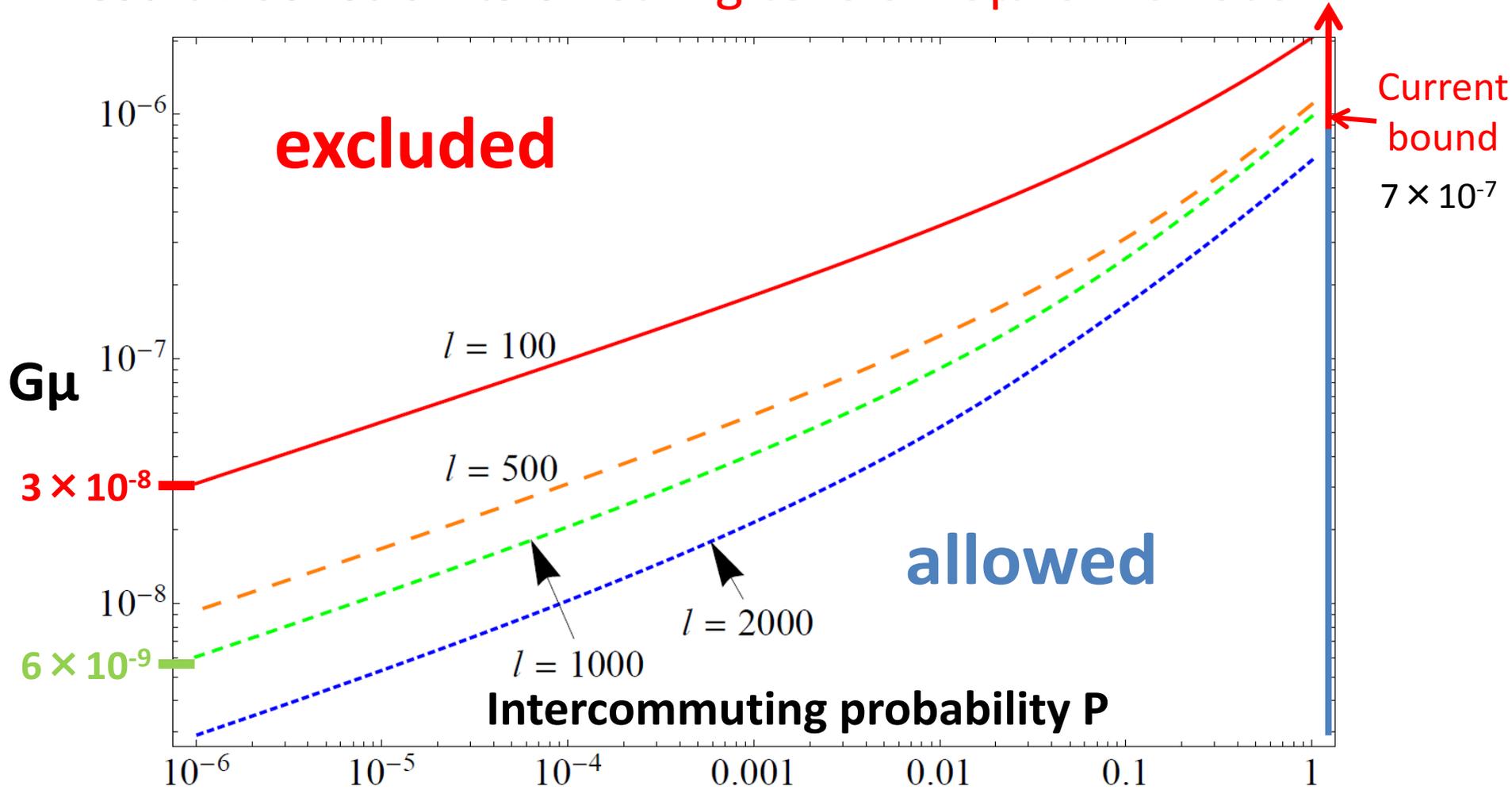
Daisuke Yamauchi (YITP, Kyoto)

K. Takahashi (Nagoya), Y. Sendouda (Paris7, APC), C.-M. Yoo, M. Sasaki (YITP)

ABSTRACT

- ✓ We present **a new analytic method** to calculate the small scale CMB temperature power spectrum due to **field-theoretic cosmic strings/cosmic superstrings**.
- ✓ We clarify the dependence on **the intercommuting probability P** .
- ✓ We estimate the upper bound of the dimensionless tension of the string **“ $G\mu$ ” for various value of P** .

➤ Result : Constraints on string tension $G\mu$ for various P



✓ As P decreases the amplitude due to strings increases, hence the tension of strings with smaller P is tightly constrained !

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