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Status of the SU3 Lambda Scale

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We compare the non-perturbative SU(3) lambada scale of Necco and Sommer with the lambda scale derived by Bazavov et al. from deconfining phase transition data of the Bielefeld group and others. Though the relative discrepancy is never larger than 2%, it matters in some applications. Differences are encountered between results from the set of smaller lattices of Necco and Sommer and pseudo-deconfining temperatures on similarly sized lattices, while their set of less accurate calculations on larger lattices is consistent with either of the results from smaller lattices. In conclusion, more accurate calculations on large lattices are desirable.

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