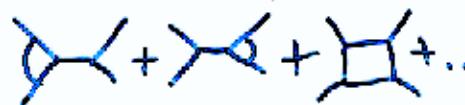


S. JADACH PADUA

CPU BARRIER

OLD PROBLEM $O(2)$

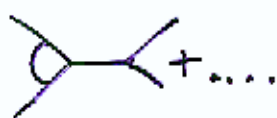
GENERATE $u^+ u^- \gamma$ TAKES $\sim 10^{-4}$ sec CPU

CALCULATE  + ... MAY TAKE 1 sec CPU

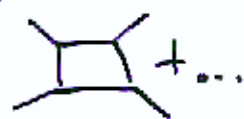
$10^{8 \pm 1}$ EVENT SAMPLE IS TYPICAL FOR 0.2% PREC.

THIS HOWEVER $\rightarrow 3 \cdot 10^{\pm 1}$ YEARS OF CPU

OLD SOLUTION



$$\sim u^{\text{BORN}} (1 + \delta(s))$$

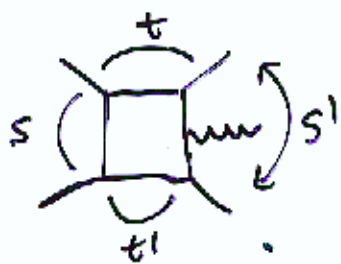


$$\sim \delta u^{\text{BOX}}(s, t)$$

LOOK-UP TABLES + INTERPOLATION

(KORALZ, KKMC, RACONWW...)

NEW PROBLEM



$$\rightarrow \delta(s, s', t, t', u, u')$$

LOOK-UP TABLES UNPRACTICAL!
TOO MANY VARIABLES

SOLUTION?

SPECIAL RESTRUCTURING OF V.C. ?
TRADE PRECISION FOR SPEED ?