

BNL

13 SEP 2000

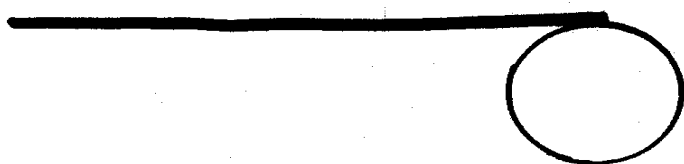
STACKING BUNCHES

O. Summers

Mississippi

TRANSVERSE
STRAIGHT

COOLING
RING



ONE BUNCH OR MANY?

MULTIPLE BUNCHES

→ BOTH μ^+ μ^- FROM

ONE PROTON BUNCH?

ALA e^+ e^- AT SLAC
FOR ACCELERATION

BUNCHES

$\mu^- \mu^+ \mu^- \mu^+ \mu^- \mu^+ \mu^- \mu^+ \mu^- \mu^+$

EXAMPLES OF
STACKING
TOPPING OF PEP-II
P ACUMULATOR AT FINAL

HOW TO COALESCE?
CHARGE SHEET SEPTA?
CURRENT SHEET SEPTA?

SUMMARY

BUNCH BUNCHES - μ^+
 μ^-

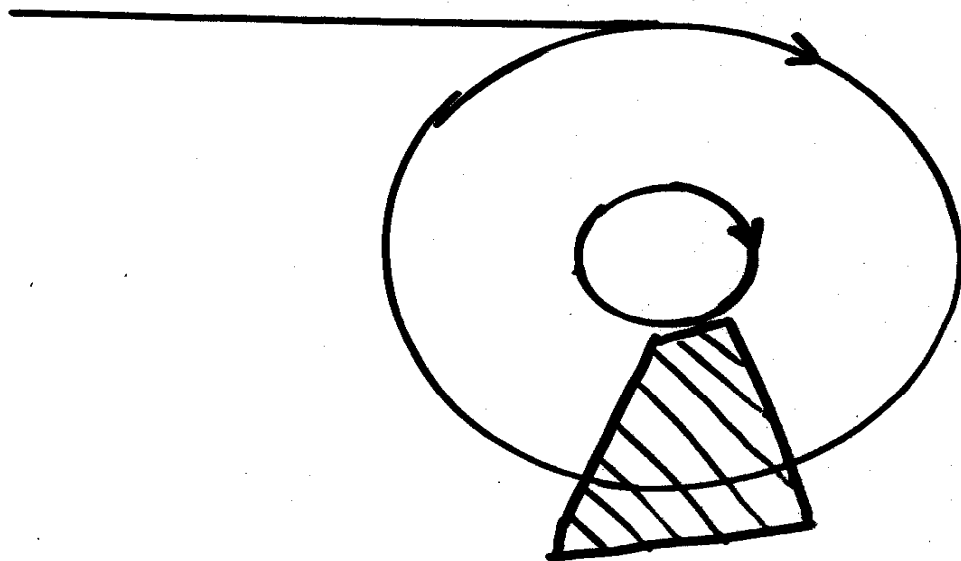
STRAIGHT TRANSVERSE COOLING

STACK IN A RING

$$R = \frac{P}{.3B} = \frac{0.2}{.3(4)} \approx 0.16 \text{ meter}$$

OR BIGGER

COOL TRANSEVERSELY
AGAIN IN THE RING



RF kick the disc of
moons $\perp$ to the ring