

MESSAGES: 1. WE ARE ALL FRIENDS.



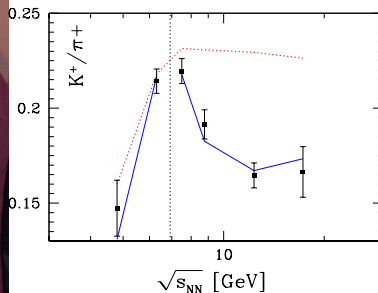
2. Irrespective of how a common QCD phase - the QGP state was created at SPS, RHIC, *and* LHC and how it evolves to hadronization, we observe in the final state the same physical conditions of the fireball particle source – with varying V and s .
4. Given universal hadronization conditions we realize that when QGP hadronizes it evaporates into free-streaming hadrons.

WE ALL WORK IN: QUARK KITCHEN

1. SHM Description of particle production in HI experiments
2. QGP fireball physical properties at break-up
3. Universal Hadronization Conditions



PARTICLE YIELDS DESCRIBED, HORN TRACKED



MESSAGE OF THIS TALK



YELLOW SUBMARINE

IN THE TOWN WHERE I WAS BORN
LIVED A MAN WHO SAILED TO SEA
AND HE TOLD US OF HIS LIFE
IN THE LAND OF SUBMARINES

SO WE SAILED UP TO THE SUN
TILL WE FOUND A SEA OF GREEN
AND WE LIVED BENEATH THE WAVES
IN OUR YELLOW SUBMARINE

WE ALL LIVE IN A YELLOW SUBMARINE
YELLOW SUBMARINE, YELLOW SUBMARINE
WE ALL LIVE IN A YELLOW SUBMARINE
YELLOW SUBMARINE, YELLOW SUBMARINE

AND OUR FRIENDS ARE ALL ABOARD
MANY MORE OF THEM LIVE NEXT DOOR
AND THE BAND BEGINS TO PLAY

ta ta ta ta ta ta
WE ALL LIVE IN A YELLOW SUBMARINE
YELLOW SUBMARINE, YELLOW SUBMARINE
WE ALL LIVE IN A YELLOW SUBMARINE
YELLOW SUBMARINE, YELLOW SUBMARINE

she she she she she oh oh oh
AS WE LIVE A LIFE OF EASE
EVERYONE OF US HAS ALL WE NEED
SKY OF BLUE AND SEA OF GREEN (echos)
IN OUR YELLOW SUBMARINE

WE ALL LIVE IN A YELLOW SUBMARINE
YELLOW SUBMARINE, YELLOW SUBMARINE
WE ALL LIVE IN A YELLOW SUBMARINE
YELLOW SUBMARINE, YELLOW SUBMARINE

WE ALL LIVE IN A YELLOW SUBMARINE
YELLOW SUBMARINE, YELLOW SUBMARINE
WE ALL LIVE IN A YELLOW SUBMARINE (fade)
YELLOW SUBMARINE, YELLOW SUBMARINE

THE LATEST VARIANT DEDICATED TO LUDWIK



ION Submarine

AN ION TOLD US OF HIS LIFE
IN THE LAND OF HEAVY MACHINES
WHEN HE SAILED IN THE BEAM
HE HIT THE LHC SUBMARINE

QUARK, QUARK, QUARK, ELUSIVE THING
LET US LOOK AT THE REAL THING
AND THE BAND BEGINS TO BING
RHIC, RHIC, RHIC IS OUR THING

HIGGS, HIGGS, HIGGS IS THE NEW DING
AND THE BAND BEGINS TO PLAY
WE GOT THE QUARK PLASMA THING
WE GOT THE QUARK PLASMA THING

LUDWIK: 1944–2014+4

February 17, 2014 Wroclaw, Repeat January 7, 2018



Dedicated to Ludwik Turko on occasion of his 70'th birthday

RED LOBSTER 17 FEB 1999



RECEIVING THE 10 COMMANDMENTS



REALLY TRUE THESE COMMANDMENTS?



ENDURING MORE COMMANDMENTS



SURROUNDED BY ADMIRERS – LANDEK

FEBRUARY 2003



AND SURROUNDED BY FAMILY



THANK YOU ALL FOR BEING HERE



AU REVOIR IN 2018/9

