



ALICE, HOW IT LOOKS LIKE?!

PUSAN NATIONAL UNIVERSITY

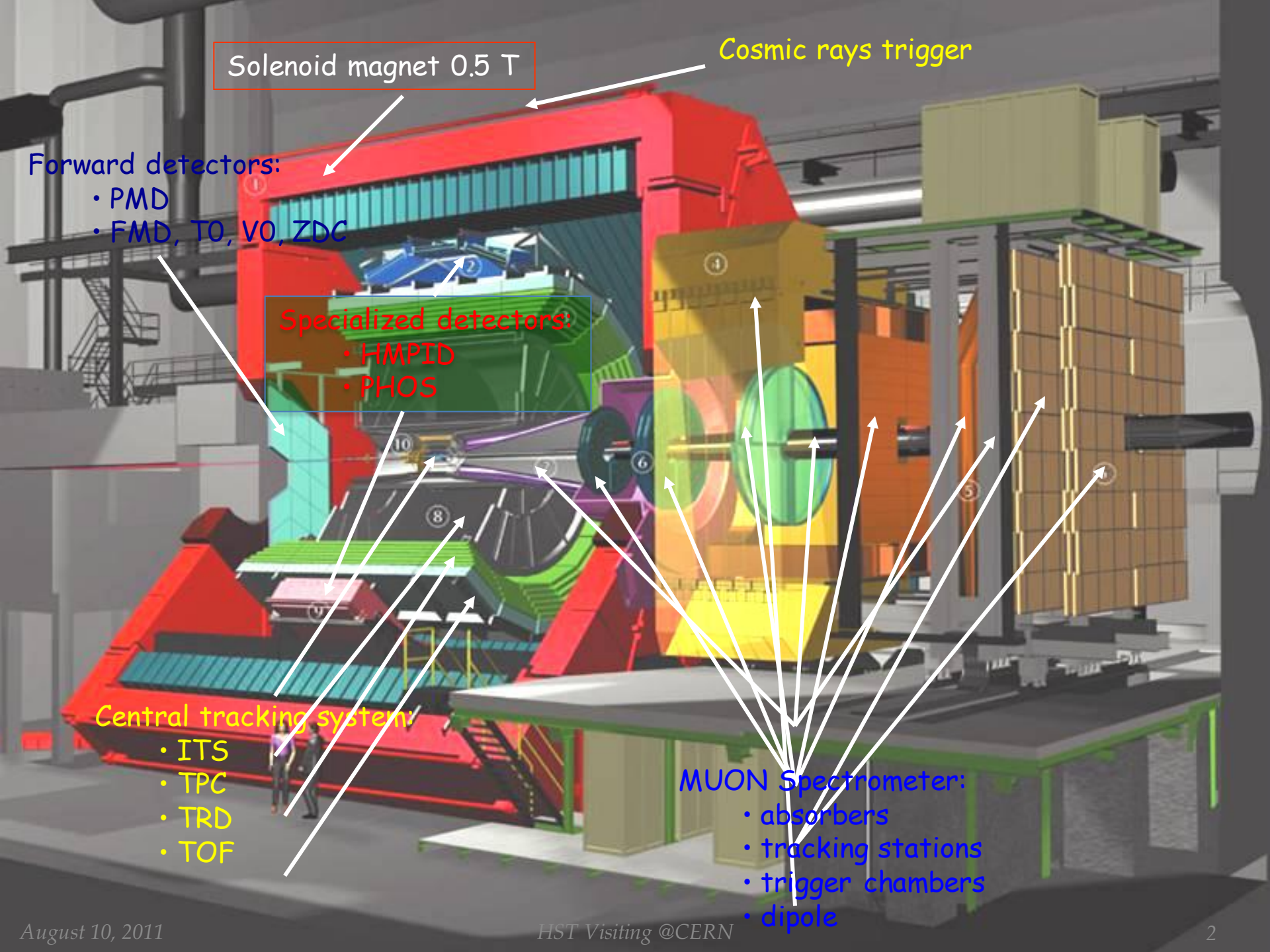
JUNGYU YI

FOR THE ALICE COLLABORATION



A Large Ion Collider Experiment

- focused on Heavy Ion physics
- 26m long, 16m height, 16m wide
- 10000 ton
- 115 MCHF
- Solenoid Magnet
- Central barrel detectors
 - ITS, TPC, TOF
- Single arm forward muon spectrometer
- Forward Detectors
 - PMD, FMD, To, Vo, ZDC
- Specialized Detectors
 - HMPID, PHOS



Solenoid magnet 0.5 T

Cosmic rays trigger

Forward detectors:

- PMD
- FMD, TO, VO, ZDC

Specialized detectors:

- HMPID
- PHOS

Central tracking system:

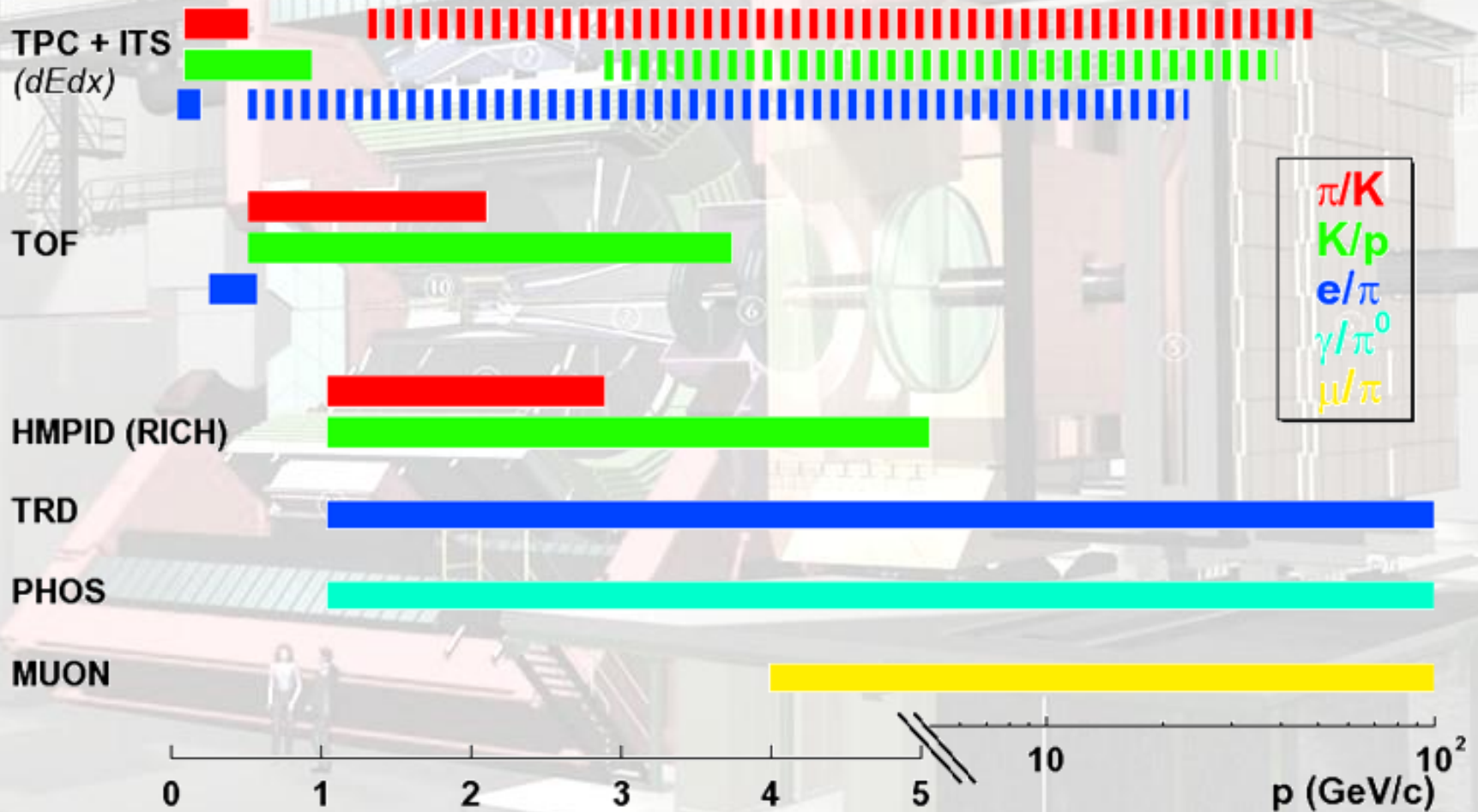
- ITS
- TPC
- TRD
- TOF

MUON Spectrometer:

- absorbers
- tracking stations
- trigger chambers
- dipole

WHY SO COMPLEX...?!

Dynamic range of Particle IDentification in ALICE



ALICE CONTROL ROOM



























Current Shift Crew | ALICE Electronic Logbook | ALICE Electronic Logbook | OP Vistars


Night Shift - 00:00h : 08:00h (2011-04-01, Friday)

Last up

Legend : Shift Leader SLIMOS taken not taken disabled

ShiftLeader	DAQ+CTP	DQM+HLT	DCS	Offline1	ITS	HLT	Offline2
 Jungyu Yi	 Zubayer Ahammed	 Anatolii Fedunov	 Jungyu Yi	 Bjarte Kileng			
T0	TPC+TRD	ACORDE	HMPID	SPD	SDD	SSD	TOF
 None None		 None None		 None None	 None None		
V0	FMD	PMD	PHOS	MTR	MCH	ZDC	EMCAL
 None None		 None None		 None None	 None None	 None None	

DAQ+CTP	DAQ OnCall	Giuseppe.Simonetti	161392
DAQ+CTP	CTP OnCall	Roman.Lietava	161902
DQM+HLT	HLT OnCall	Artur.Szostak	168755
DQM+HLT	DQM OnCall	Francesca.Bellini	161036
DCS	OnCall	Peter.Chochula	164838
Offline	OnCall	Costin.Grigoras	+41764499545
T0	OnCall	Andrei.Reshetin	165844
TPC+TRD	TPC HV	Danilo.Vranic	163691
TPC+TRD	TPC	Chilo.Garabatos.Cuad..	165327
TPC+TRD	TRD OnCall1	none	none
TPC+TRD	TRD OnCall2	Joerg.Lehnert	163368
TPC+TRD	TRD OnCall3	none	none
ACORDE	OnCall	Guillermo.Tejada.Mun..	162201
HMPID	OnCall	Levente.Molnar	161398
ITS	SPD OnCall	Valerio.Altini	169385
ITS	SDD OnCall	Giacomo.Ortona	165939
ITS	SSD OnCall	Panos.Christakoglou	162853
TOF	OnCall	Francesca.Bellini	161036
PMD	OnCall	Shuaib.Ahmad.Khan	165901
PHOS	OnCall	Dmitri.Aleksandrov	161161
MTR	Elec.+DQM	Francesco.Bossu	169438
MTR	DCS	DISABLED	None
MCH	OnCall1	Herve.Borel	16 8711
MCH	OnCall2	IndraniI.Das	168731
ZDC	DAQ	Francesco.Bossu	169438
ZDC	DCS/DQM	DISABLED	None
EMCAL	OnCall	David.Silvermyr	164973
V0	OnCall	none	none
FMD	DCS+DAQ	Borge.Nielsen	164221
FMD	DQM	DISABLED	None
RP	RPE	David.Silvermyr	164973
RP	RPA	none	none
SLIMOS	OnCall1	none	none
SLIMOS	OnCall2	none	none

STATUS		Run Coordinator		Period Coordinator		ALICE ACR	
SLIMOS	Yes		Paolo Martinengo		Daniele De Gruttola		77702
Shifts	59%		163757		162255	ALICE	76329
						GLIMOS	162237

it had no pictures or conversations in it, 'and what is the use of a book,' thought Alice 'without pictures or conversation?'

ACTIVITIES IN ACR



Run Coordination



ECS : Experiment Control System



RC : Run coordinator

PRC : Period Run Coordinator

SL : Shift Leader



Data taking



Main **DAQ** (Data AcQsition) shift



DQM (Data Quality Monitoring) & Offline shift



Detector Operation & Maintenance



Main **DCS** (Detector Control System) shift



Sub detector **On call** Shift



Safety



GLIMOS : Global Leader In Matter Of Safety



SLIMOS (Shift Leader In Matter Of Safety) shift

The 1st Heavy Ion Collision in ALICE !!

